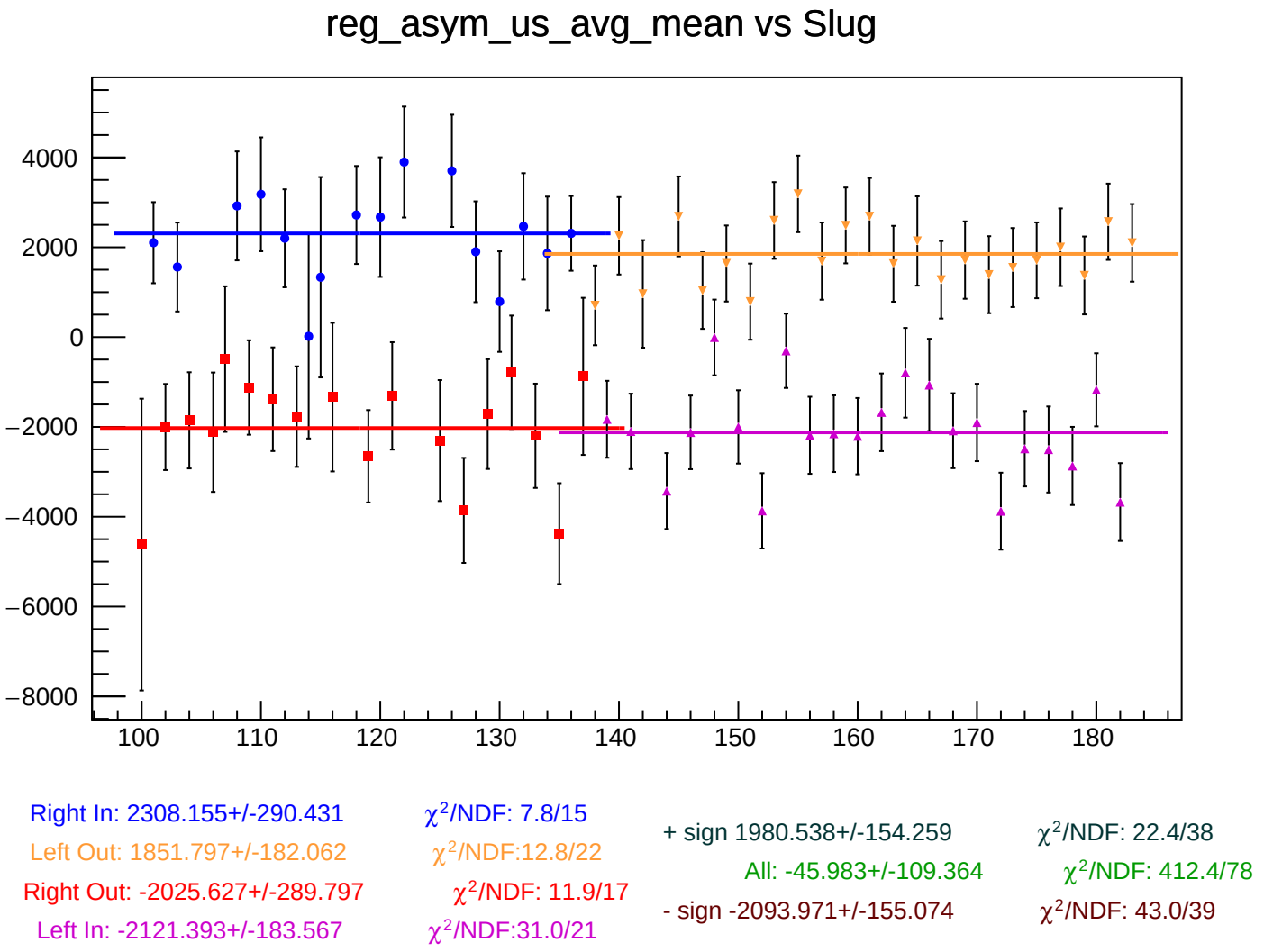


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1851.797+/-182.062 χ^2/NDF:12.8/22

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

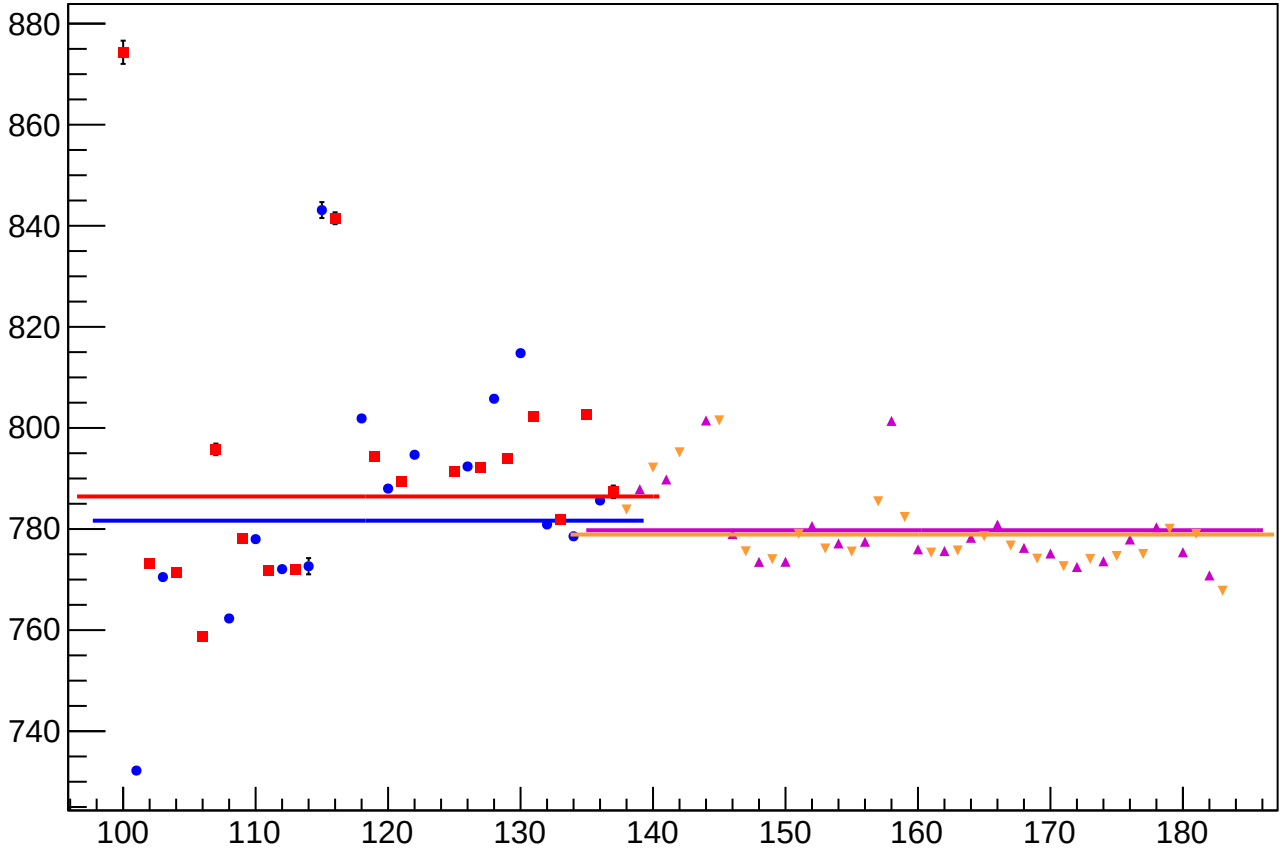
Left In: -2121.393+/-183.567 χ^2/NDF:31.0/21

+ sign 1980.538+/-154.259 χ^2/NDF: 22.4/38

All: -45.983+/-109.364 χ^2/NDF: 412.4/78

- sign -2093.971+/-155.074 χ^2/NDF: 43.0/39

reg_asym_us_avg_rms vs Slug



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

Left Out: 778.909+/-0.129 χ^2/NDF:3222.1/22

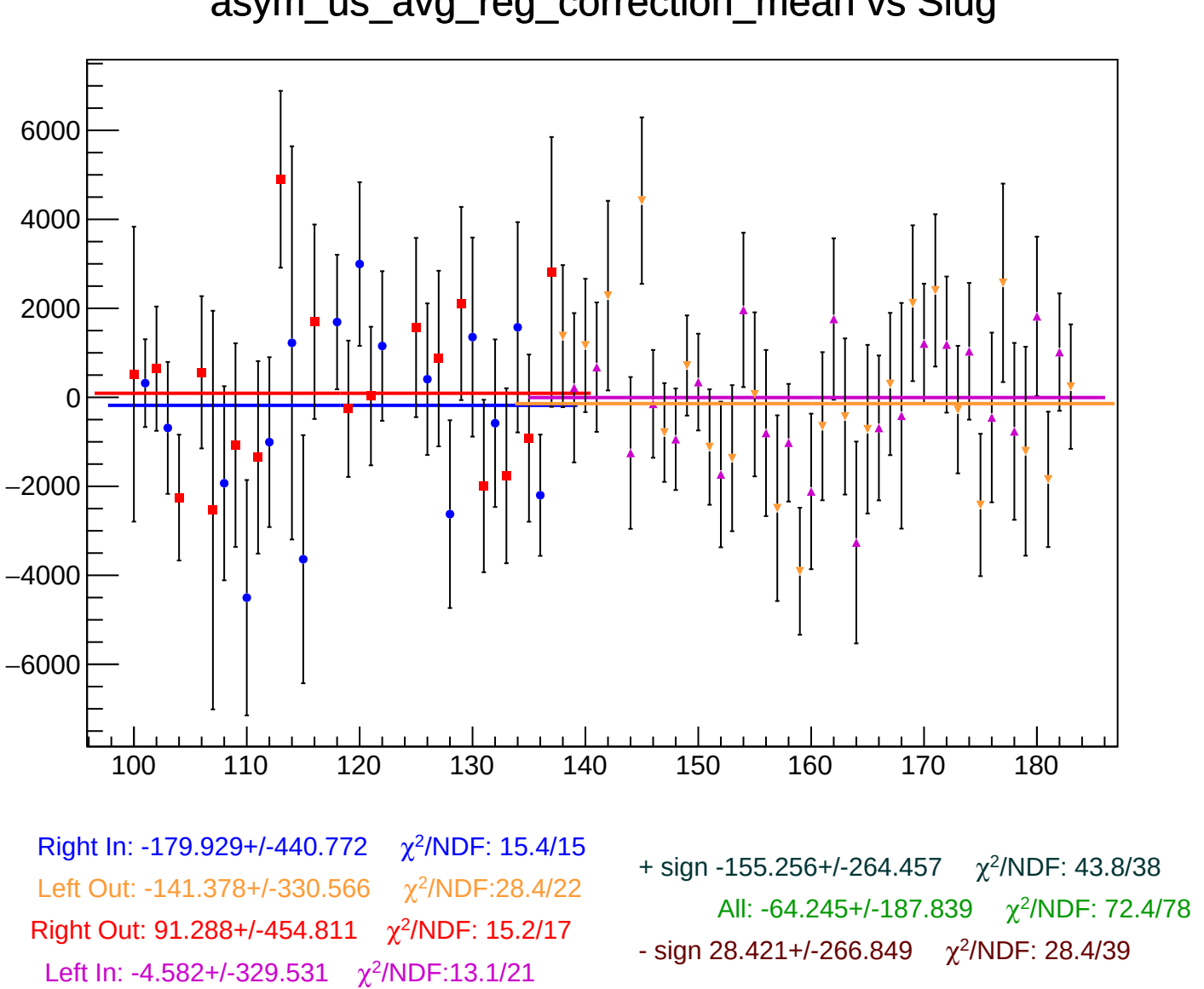
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 779.759+/-0.130 χ^2/NDF:4051.7/21

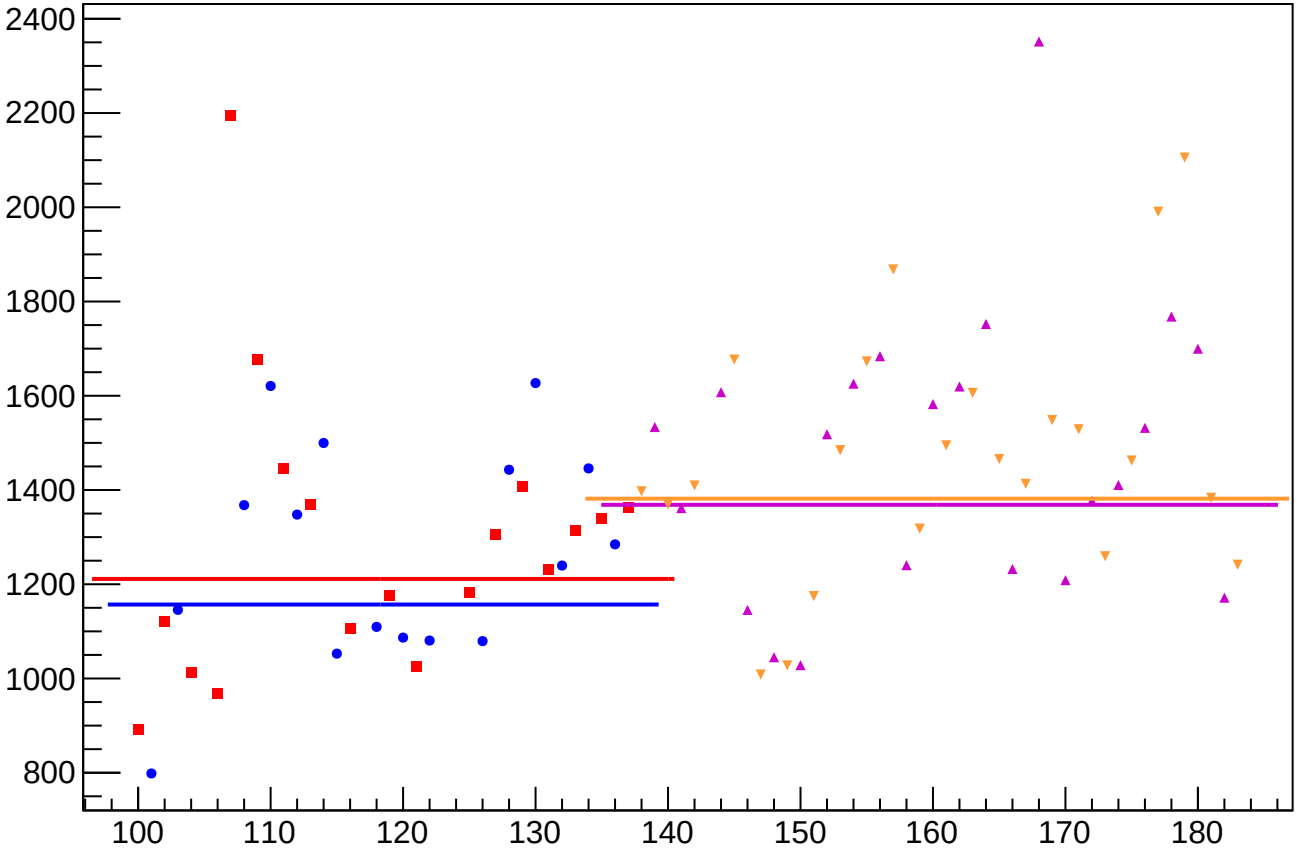
+ sign 779.683+/-0.109 χ^2/NDF: 15669.4/38

All: 780.673+/-0.077 χ^2/NDF: 27847.5/78

- sign 781.673+/-0.110 χ^2/NDF: 12012.5/39


asym_us_avg_reg_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -141.378+/-330.566 χ²/NDF:28.4/22
Right Out: 91.288+/-454.811 χ²/NDF: 15.2/17
Left In: -4.582+/-329.531 χ²/NDF:13.1/21
+ sign -155.256+/-264.457 χ²/NDF: 43.8/38
All: -64.245+/-187.839 χ²/NDF: 72.4/78
- sign 28.421+/-266.849 χ²/NDF: 28.4/39

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1381.613+/-0.234 χ^2/NDF:1153936.1/22

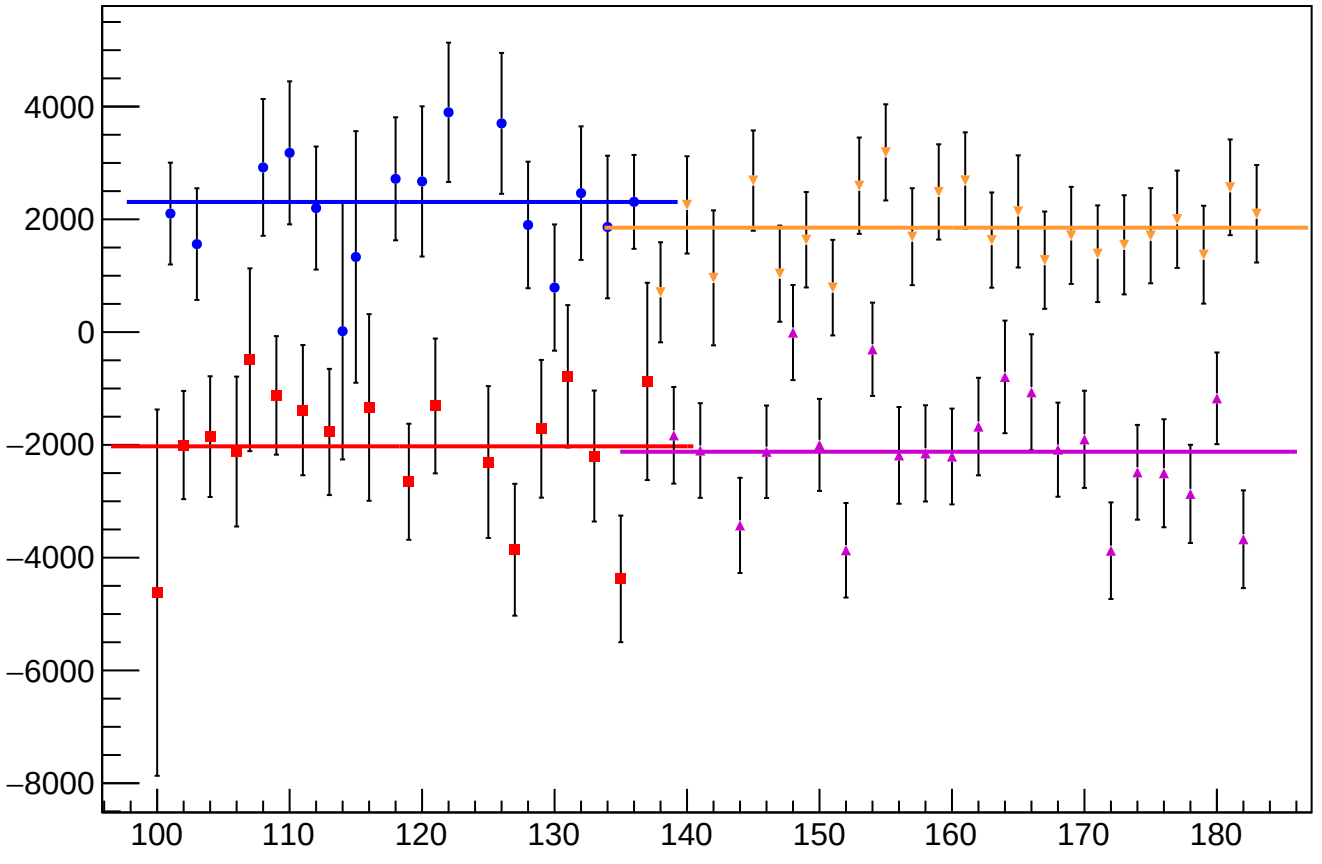
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1368.559+/-0.233 χ^2/NDF:1298201.6/21

\+ sign 1300.737+/-0.187 χ^2/NDF: 2055611.9/38

All: 1307.512+/-0.133 χ^2/NDF: 3911045.6/78

\- sign 1314.410+/-0.189 χ^2/NDF: 1852784.8/39



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

Left Out: 1851.797+/-182.062 χ^2/NDF:12.8/22

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

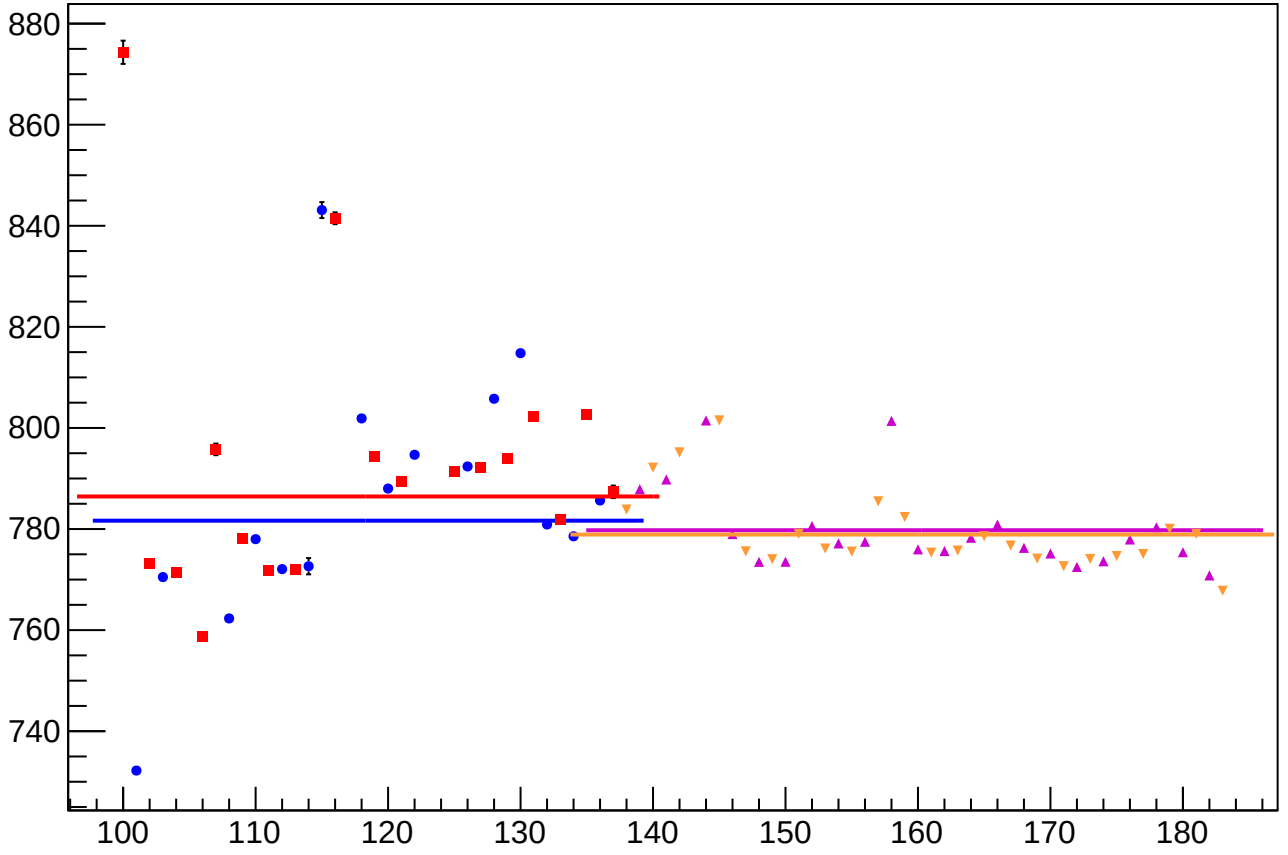
Left In: -2121.393+/-183.567 χ^2/NDF:31.0/21

+ sign 1980.538+/-154.259 χ^2/NDF: 22.4/38

All: -45.983+/-109.364 χ^2/NDF: 412.4/78

- sign -2093.971+/-155.074 χ^2/NDF: 43.0/39

cor_asym_us_avg_rms vs Slug



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

Left Out: 778.909+/-0.129 χ^2/NDF:3222.1/22

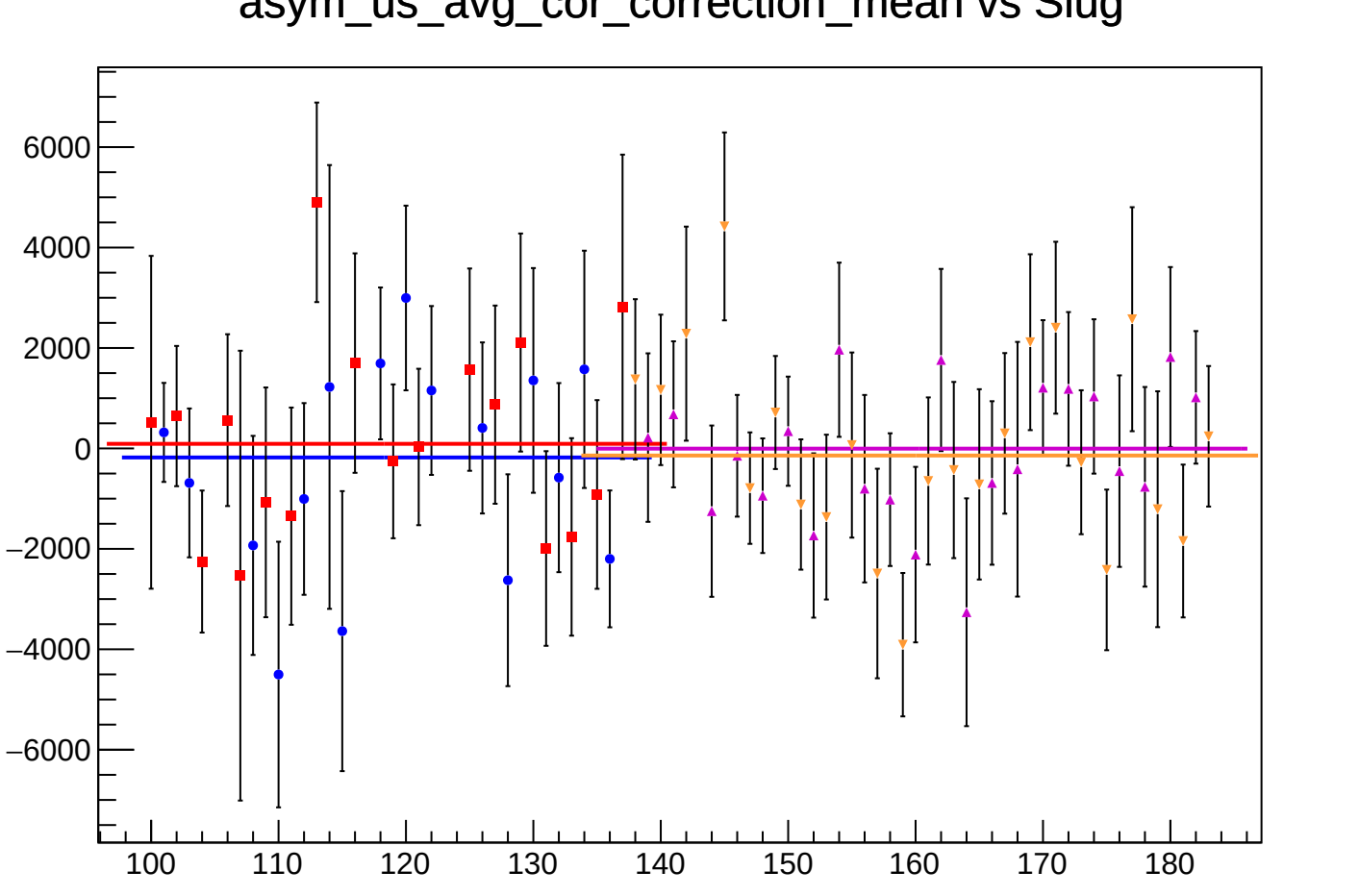
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 779.759+/-0.130 χ^2/NDF:4051.7/21

+ sign 779.683+/-0.109 χ^2/NDF: 15669.4/38

All: 780.673+/-0.077 χ^2/NDF: 27847.5/78

- sign 781.673+/-0.110 χ^2/NDF: 12012.5/39



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

Left Out: -141.378+/-330.566 χ^2/NDF:28.4/22

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

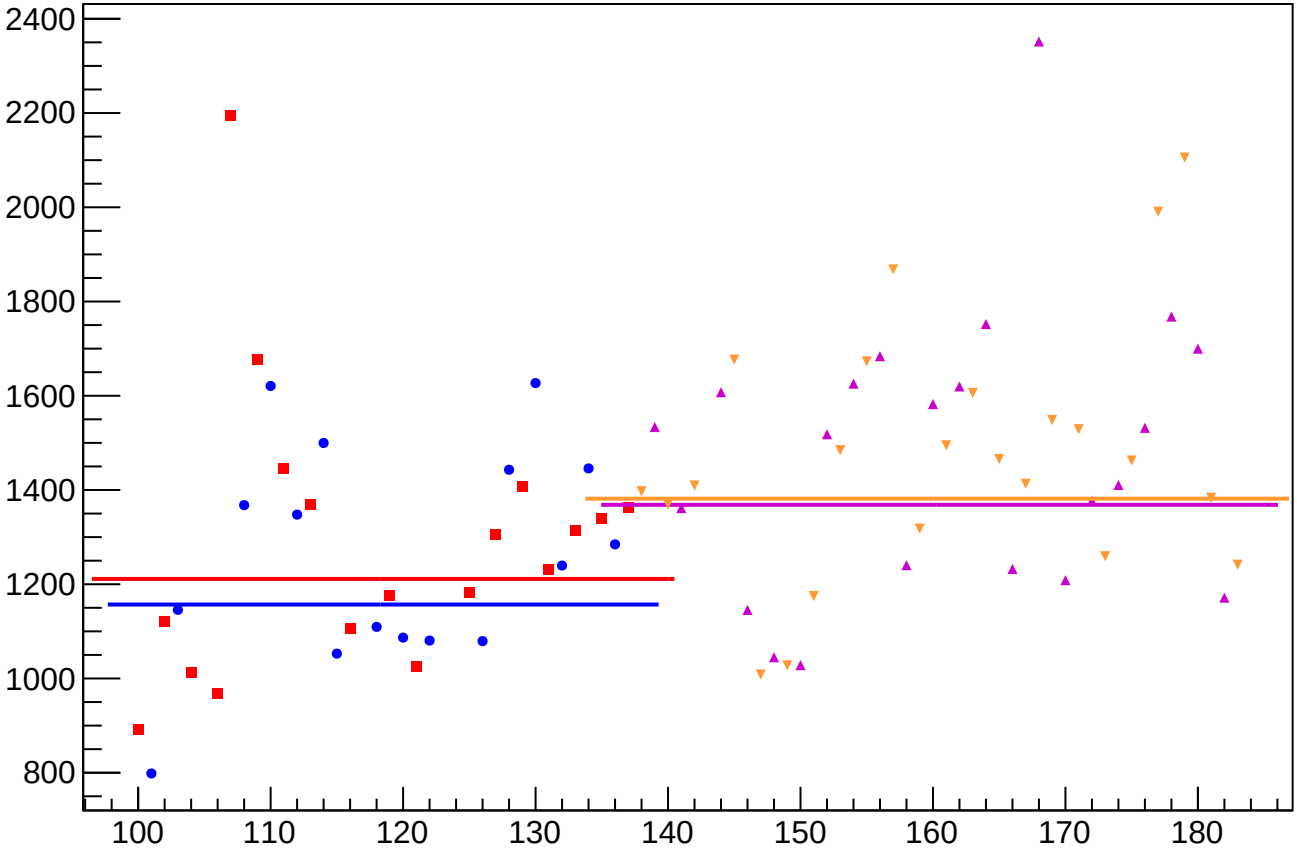
Left In: -4.582+/-329.531 χ^2/NDF:13.1/21

\+ sign -155.256+/-264.457 χ^2/NDF: 43.8/38

All: -64.245+/-187.839 χ^2/NDF: 72.4/78

\- sign 28.421+/-266.849 χ^2/NDF: 28.4/39

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1381.613+/-0.234 χ^2/NDF:1153936.1/22

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

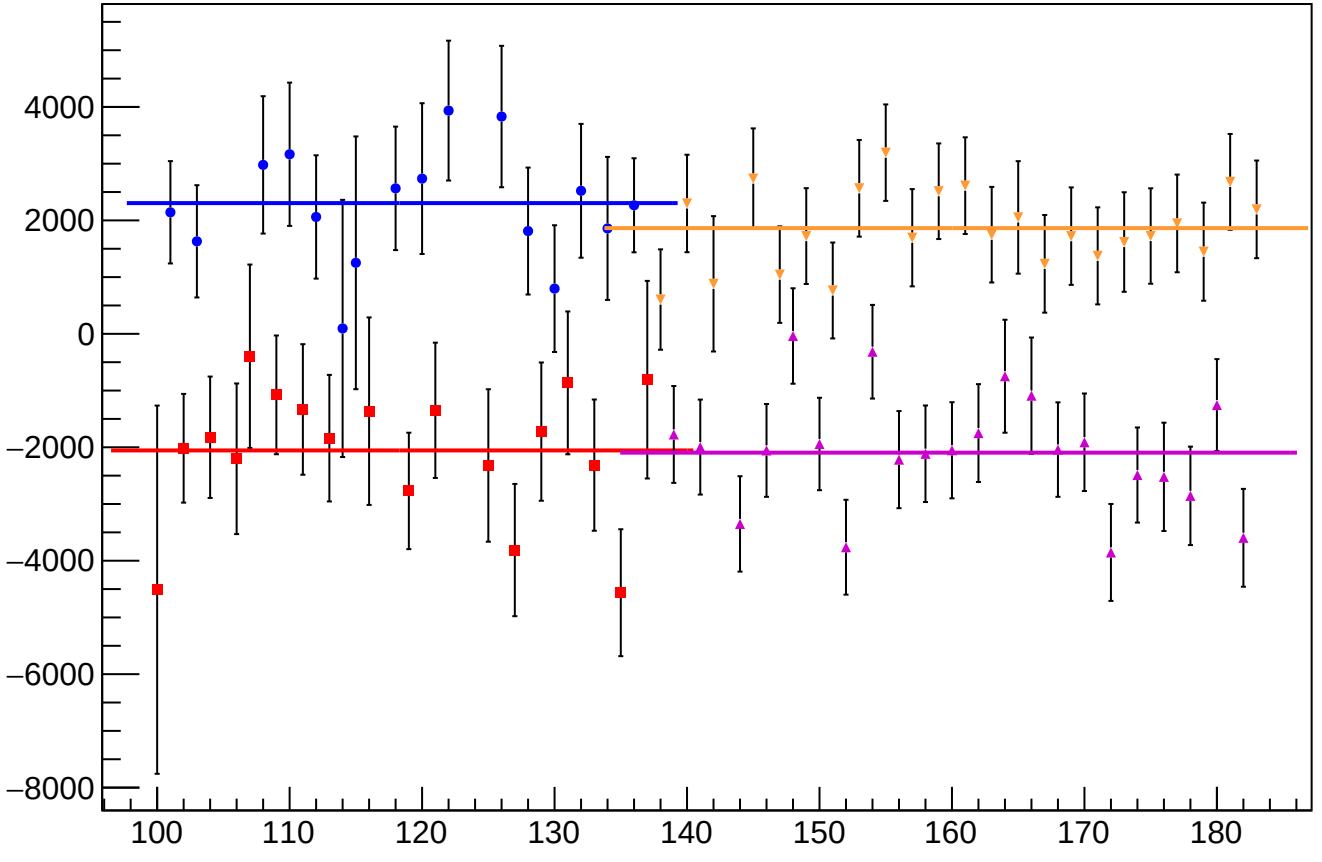
Left In: 1368.559+/-0.233 χ^2/NDF:1298201.6/21

+ sign 1300.737+/-0.187 χ^2/NDF: 2055611.9/38

All: 1307.512+/-0.133 χ^2/NDF: 3911045.6/78

- sign 1314.410+/-0.189 χ^2/NDF: 1852784.8/39

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1864.045+/-181.548 χ^2/NDF:13.5/22

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

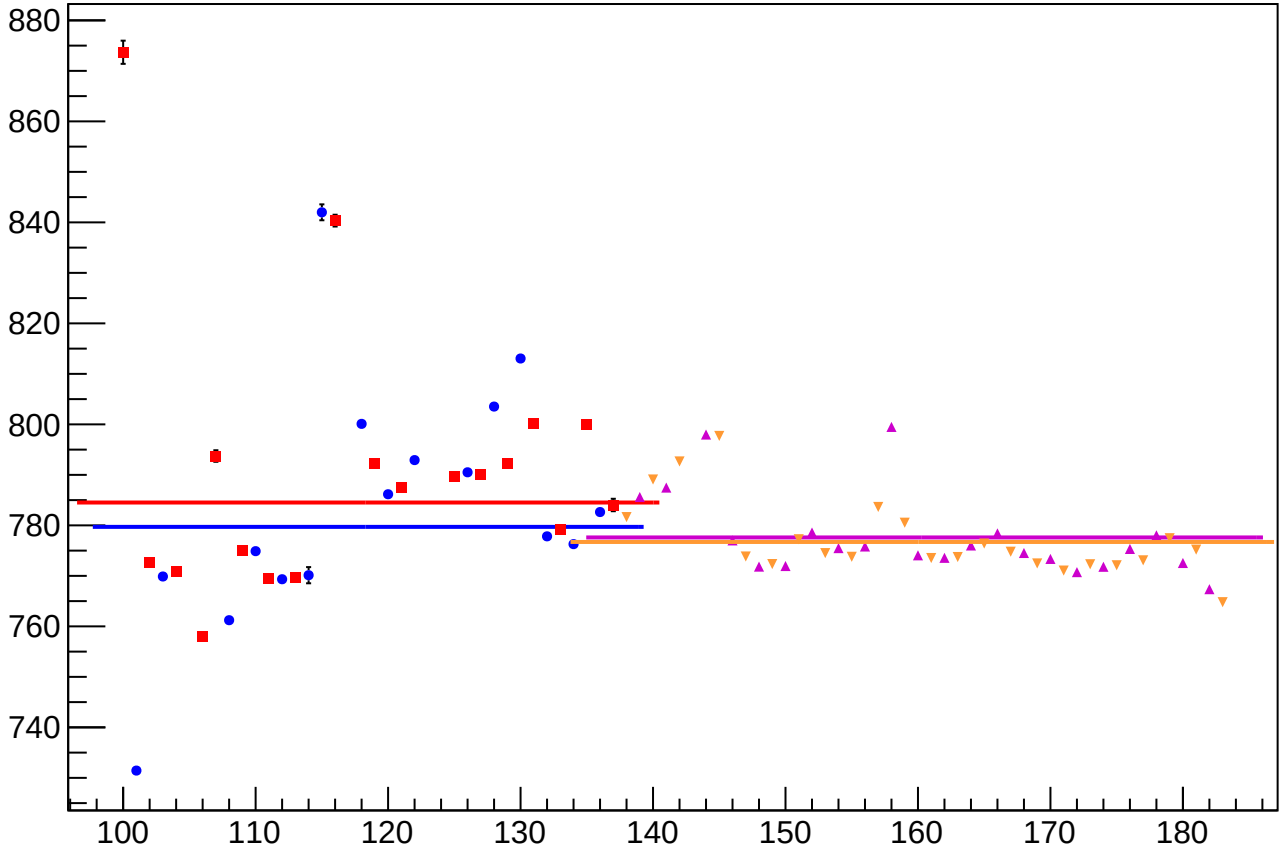
Left In: -2094.659+/-183.060 χ^2/NDF:29.6/21

+ sign 1988.342+/-153.837 χ^2/NDF: 23.2/38

All: -36.717+/-109.069 χ^2/NDF: 414.1/78

- sign -2083.499+/-154.660 χ^2/NDF: 42.5/39

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 776.714+/-0.128 χ^2/NDF:2983.9/22

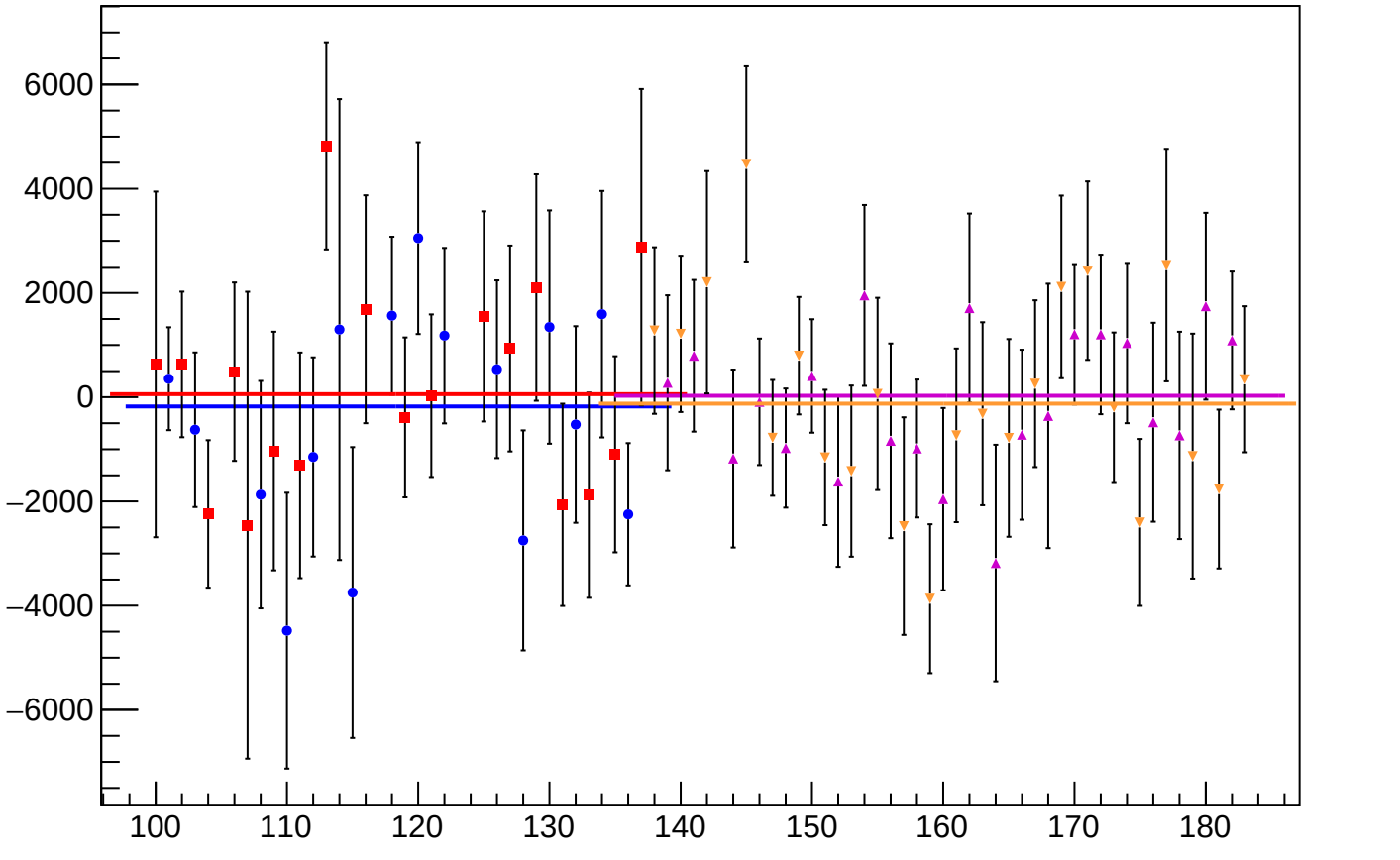
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 777.608+/-0.129 χ^2/NDF:3925.7/21

+ sign 777.557+/-0.109 χ^2/NDF: 15196.9/38

All: 778.567+/-0.077 χ^2/NDF: 27273.1/78

- sign 779.588+/-0.109 χ^2/NDF: 11902.8/39



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

Left Out: -124.601+/-330.887 χ^2/NDF:28.3/22

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

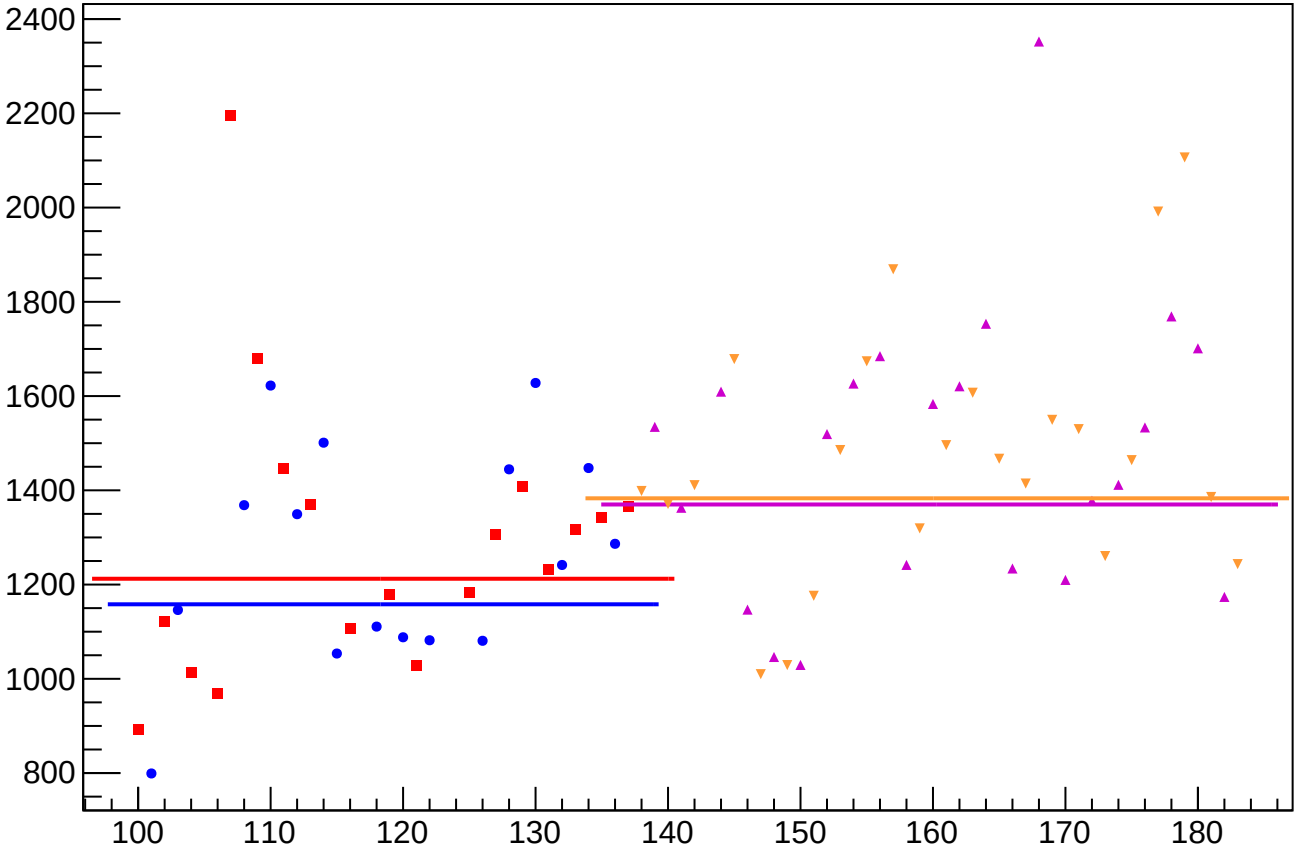
Left In: 26.672+/-329.846 χ^2/NDF:12.7/21

+ sign -143.987+/-264.717 χ^2/NDF: 44.0/38

All: -54.070+/-188.020 χ^2/NDF: 72.2/78

- sign 37.472+/-267.099 χ^2/NDF: 28.0/39

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1383.038+/-0.234 χ^2/NDF:1150876.2/22

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

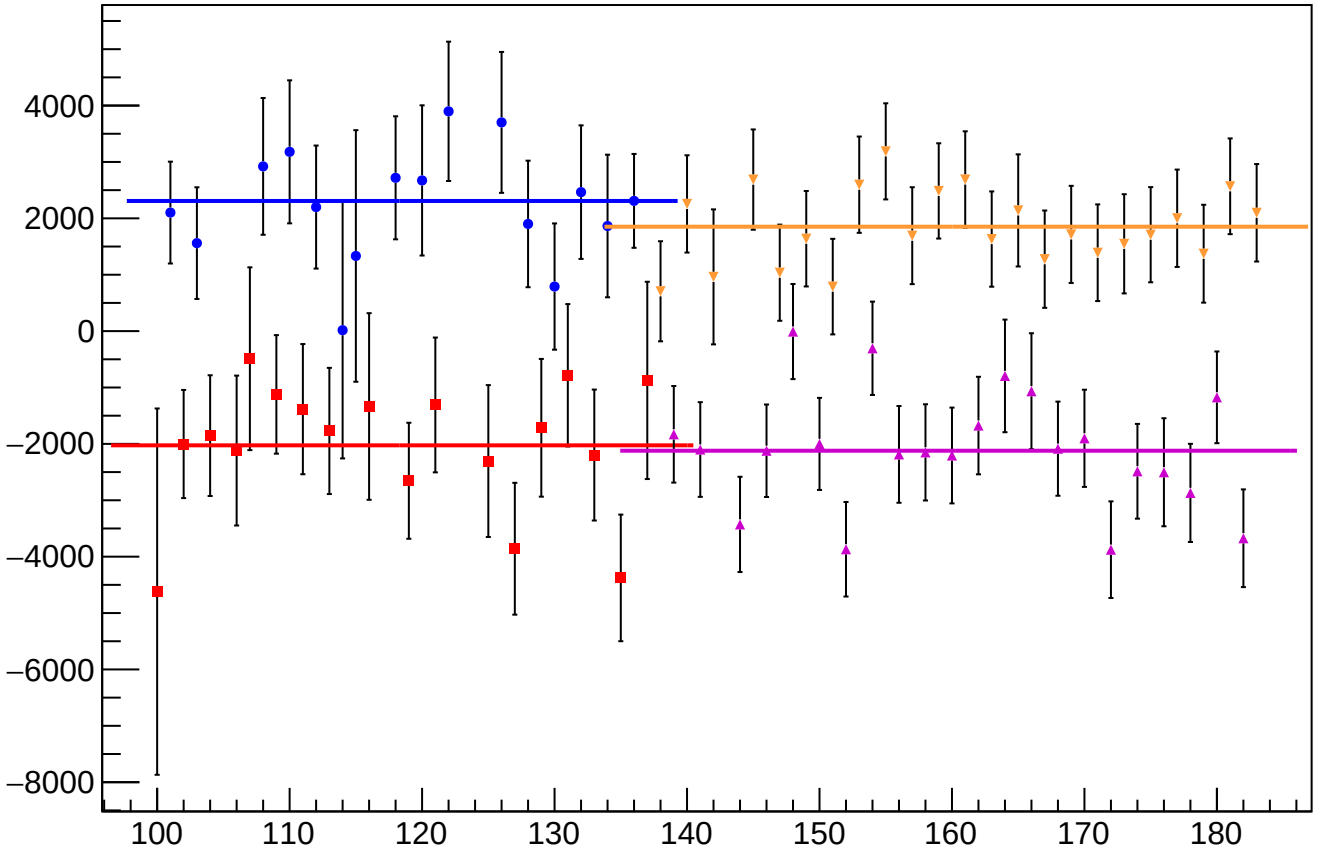
Left In: 1369.944+/-0.233 χ^2/NDF:1294868.6/21

+ sign 1302.081+/-0.187 χ^2/NDF: 2052624.0/38

All: 1308.823+/-0.133 χ^2/NDF: 3905235.3/78

- sign 1315.687+/-0.189 χ^2/NDF: 1849993.1/39

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1851.797+/-182.062 χ^2/NDF:12.8/22

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

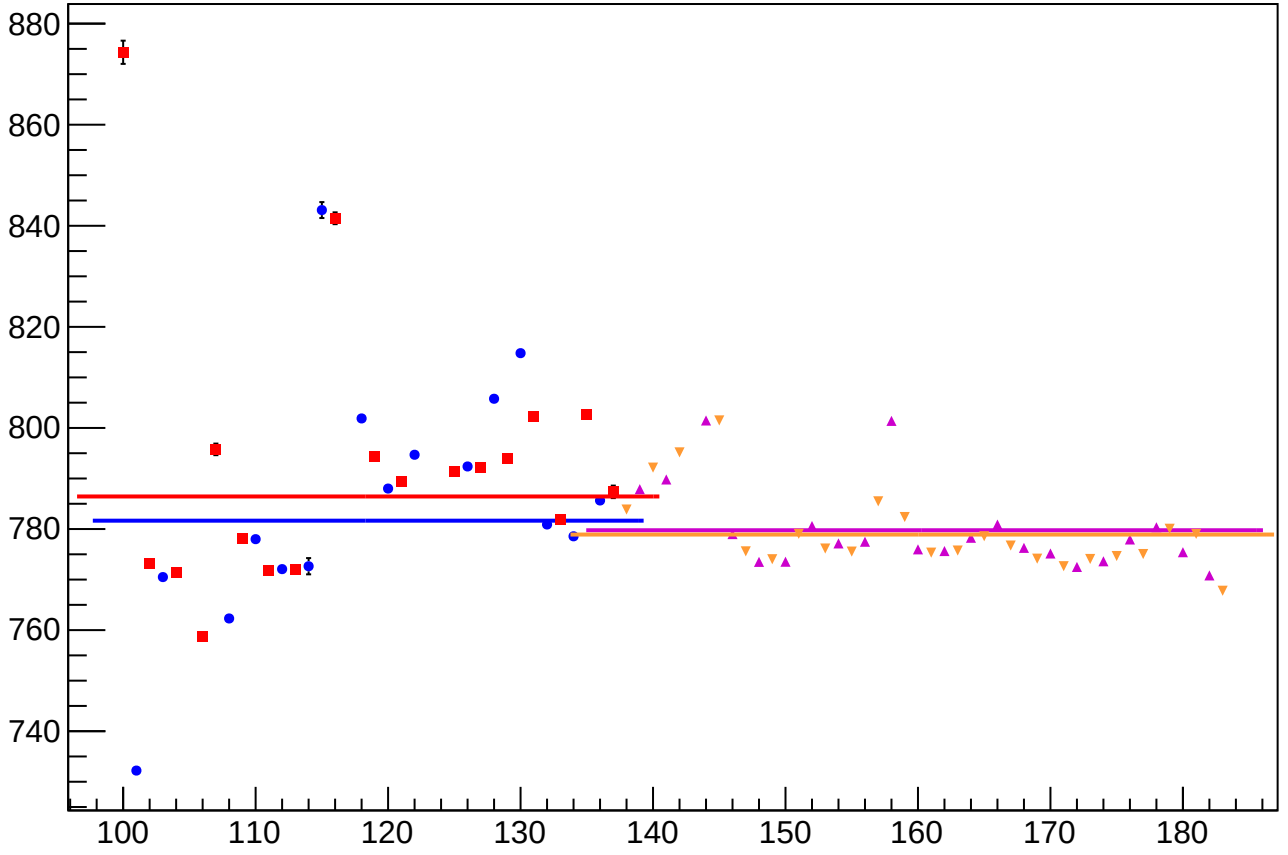
Left In: -2121.393+/-183.567 χ^2/NDF:31.0/21

+ sign 1980.538+/-154.259 χ^2/NDF: 22.4/38

All: -45.983+/-109.364 χ^2/NDF: 412.4/78

- sign -2093.971+/-155.074 χ^2/NDF: 43.0/39

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 778.909+/-0.129 χ^2/NDF:3222.1/22

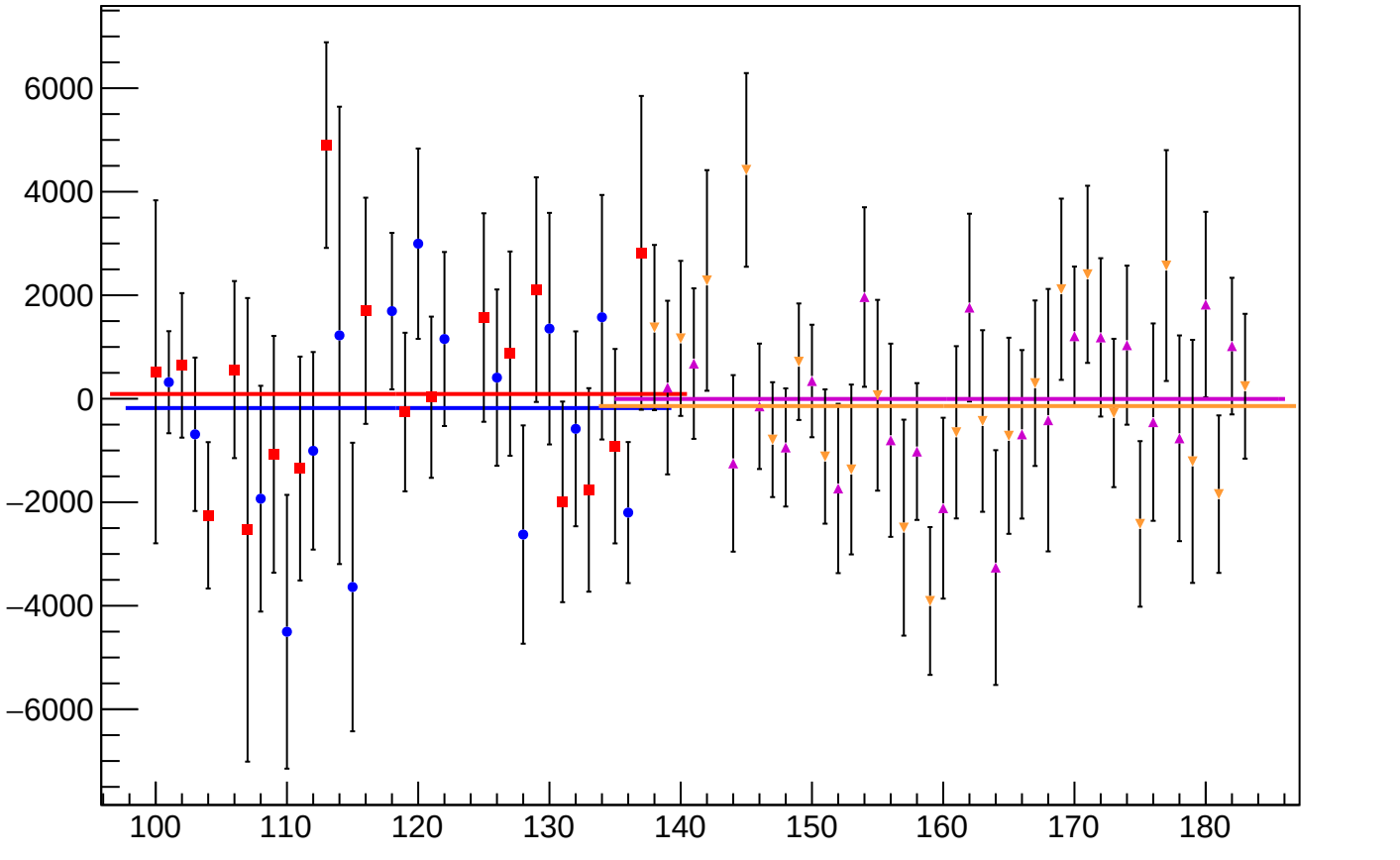
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 779.759+/-0.130 χ^2/NDF:4051.7/21

+ sign 779.683+/-0.109 χ^2/NDF: 15669.4/38

All: 780.673+/-0.077 χ^2/NDF: 27847.5/78

- sign 781.673+/-0.110 χ^2/NDF: 12012.5/39



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

Left Out: -141.378+/-330.566 χ^2/NDF:28.4/22

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

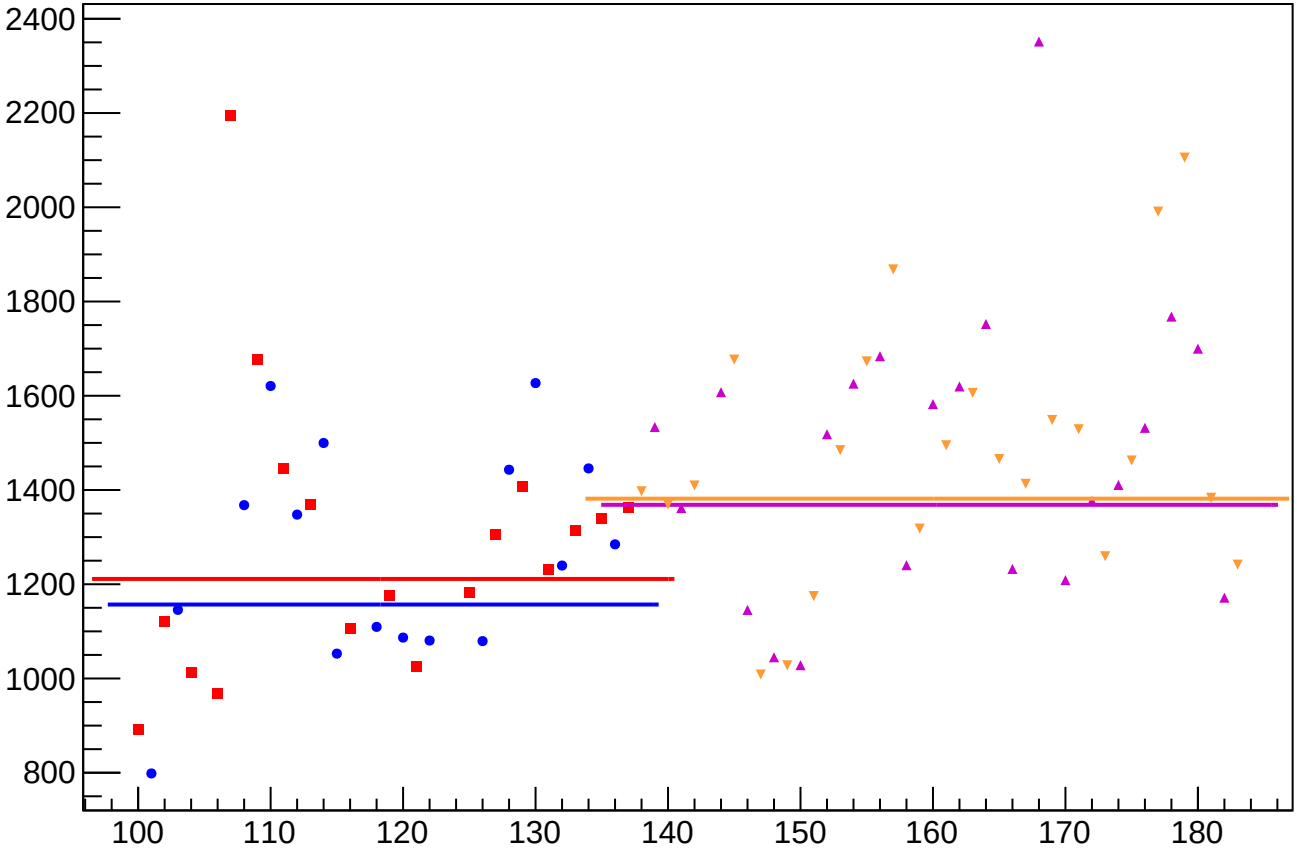
Left In: -4.582+/-329.531 χ^2/NDF:13.1/21

\+ sign -155.256+/-264.457 χ^2/NDF: 43.8/38

All: -64.245+/-187.839 χ^2/NDF: 72.4/78

\- sign 28.421+/-266.849 χ^2/NDF: 28.4/39

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1381.613+/-0.234 χ^2/NDF:1153936.1/22

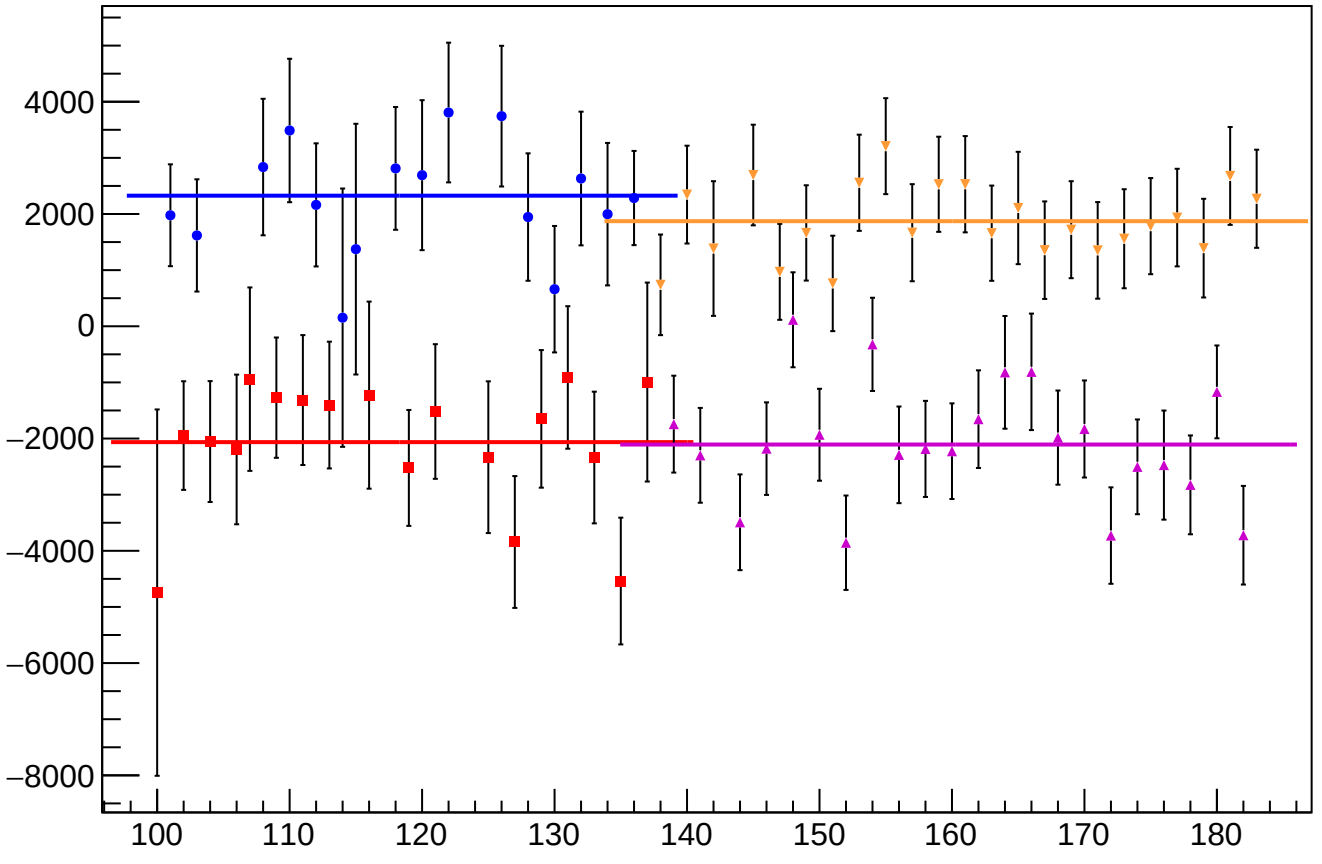
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1368.559+/-0.233 χ^2/NDF:1298201.6/21

+ sign 1300.737+/-0.187 χ^2/NDF: 2055611.9/38

All: 1307.512+/-0.133 χ^2/NDF: 3911045.6/78

- sign 1314.410+/-0.189 χ^2/NDF: 1852784.8/39



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

Left Out: 1872.330+/-183.322 χ^2/NDF:12.5/22

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

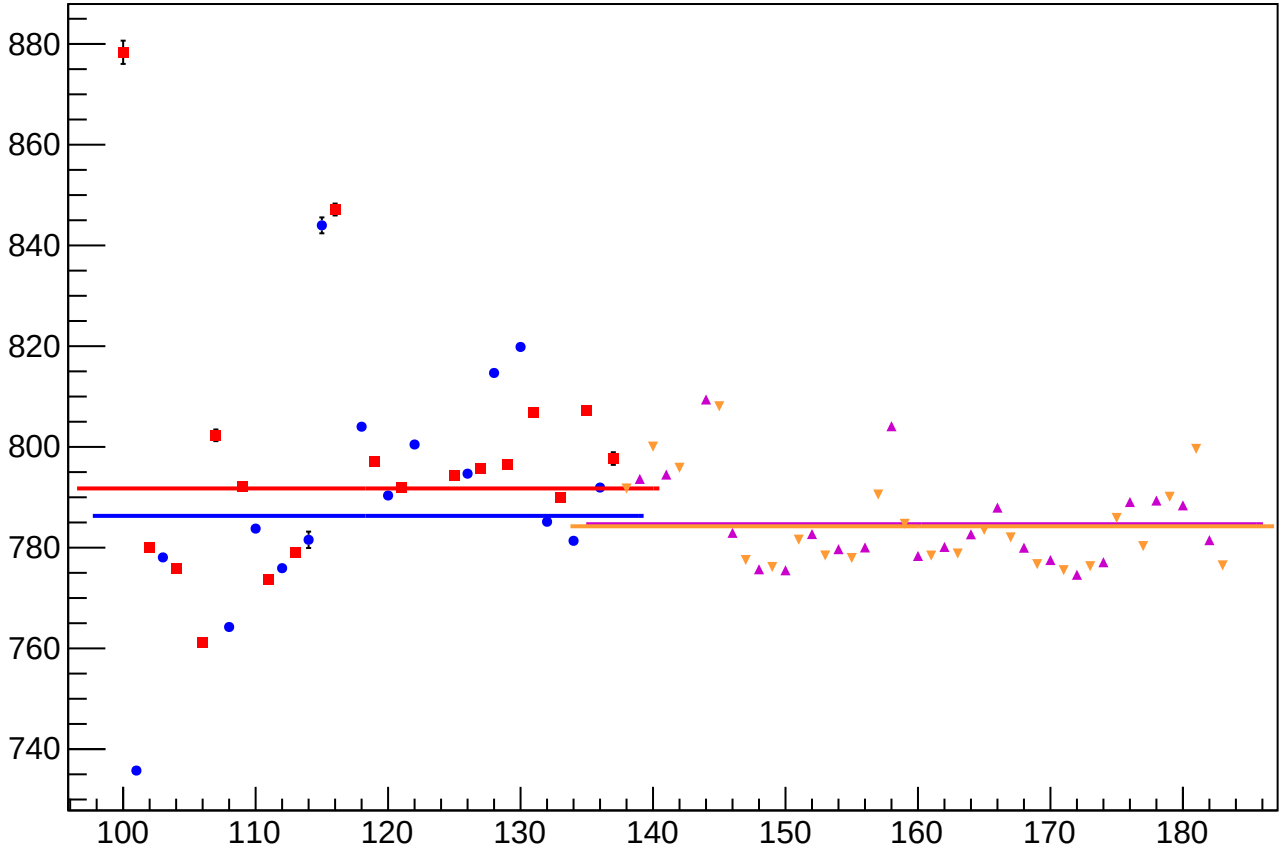
Left In: -2106.771+/-184.726 χ^2/NDF:31.7/21

+ sign 2000.602+/-155.286 χ^2/NDF: 22.4/38

All: -36.548+/-110.083 χ^2/NDF: 411.7/78

- sign -2094.527+/-156.078 χ^2/NDF: 43.3/39

dit_asym_us_avg_rms vs Slug



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

Left Out: 784.242+/-0.130 χ^2/NDF:4651.9/22

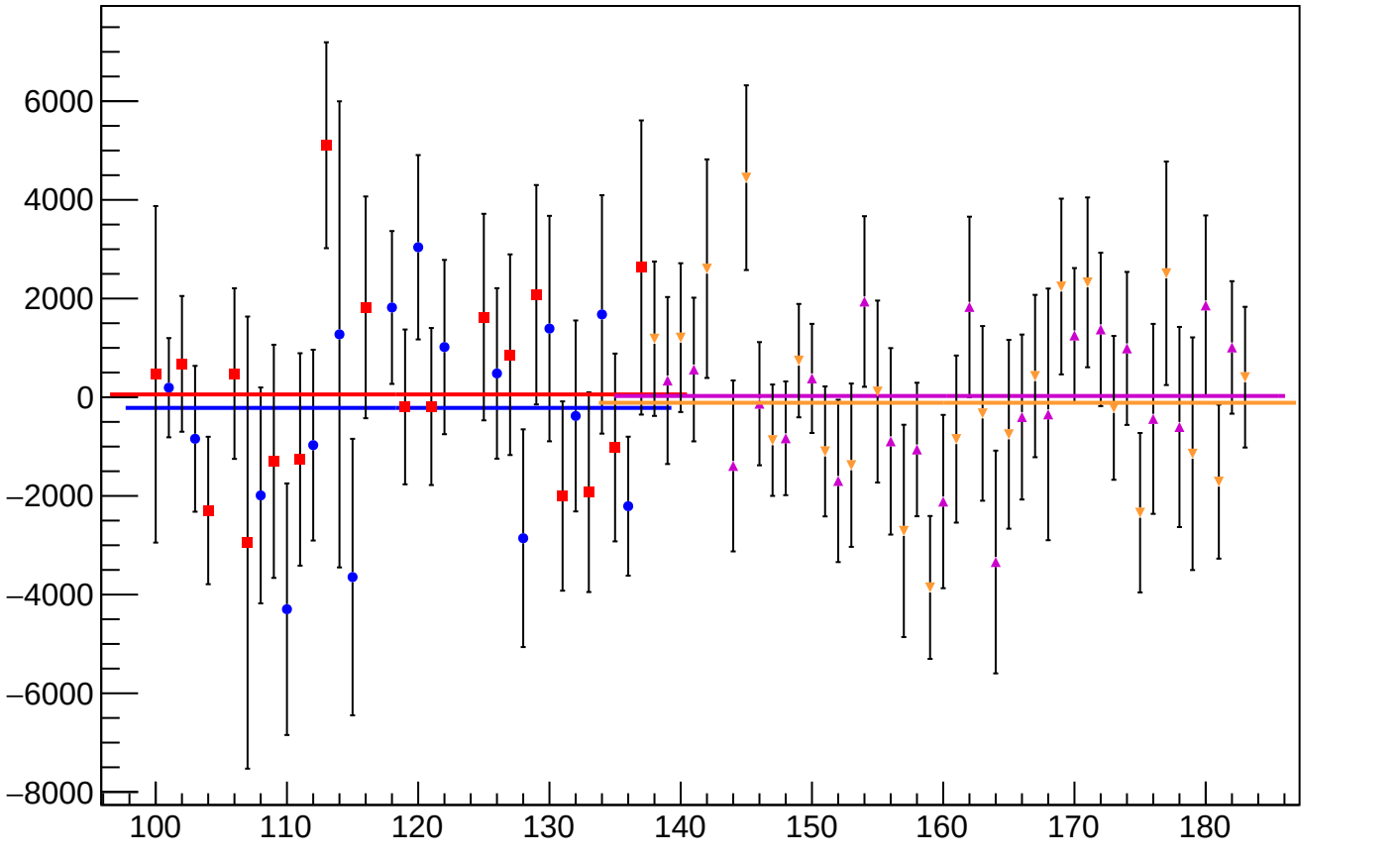
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.651+/-0.131 χ^2/NDF:4815.2/21

+ sign 784.826+/-0.110 χ^2/NDF: 17294.9/38

All: 785.750+/-0.078 χ^2/NDF: 30114.1/78

- sign 786.684+/-0.110 χ^2/NDF: 12676.8/39



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

Left Out: -112.401+/-335.135 χ^2/NDF:28.0/22

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

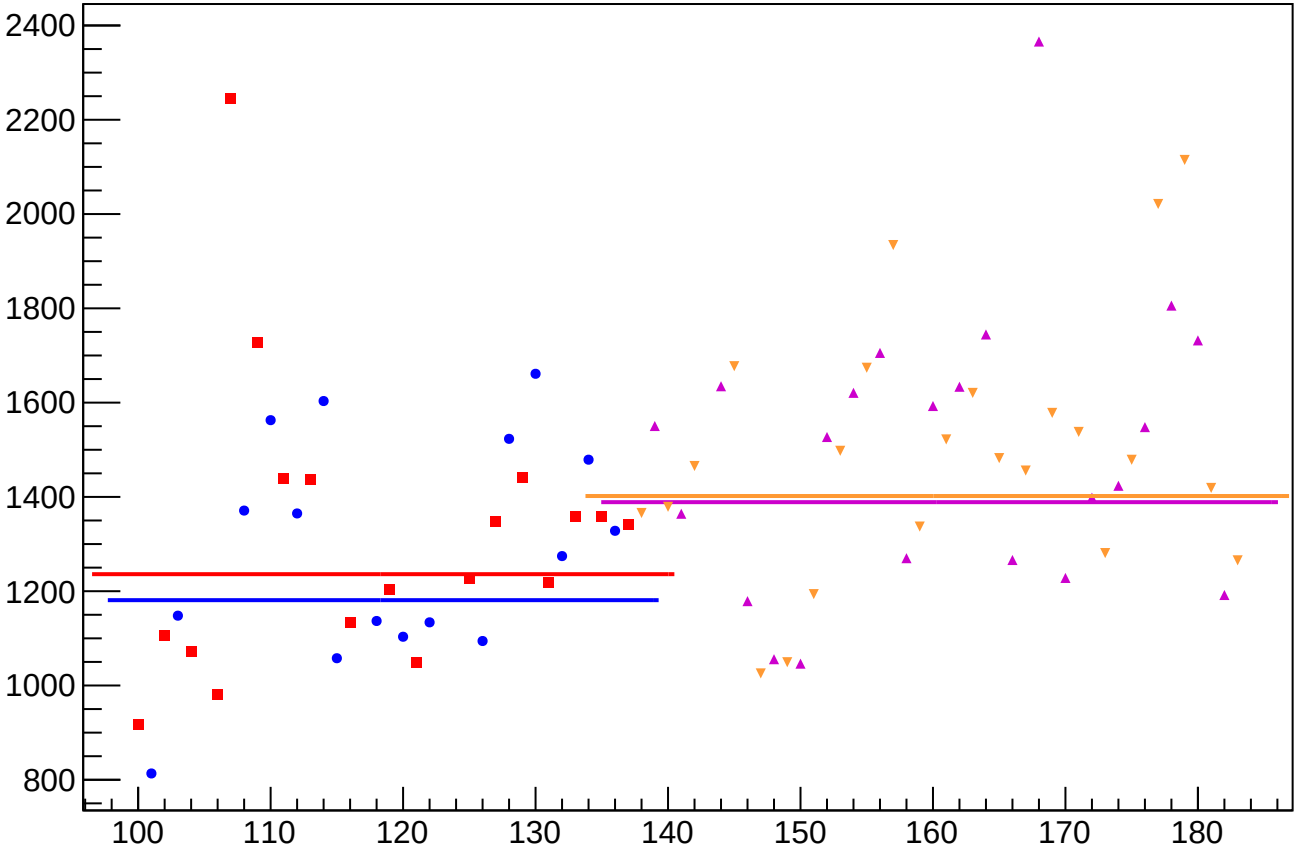
Left In: 25.511+/-334.042 χ^2/NDF:13.1/21

+ sign -149.477+/-268.686 χ^2/NDF: 43.3/38

All: -57.472+/-190.835 χ^2/NDF: 71.8/78

- sign 36.187+/-271.093 χ^2/NDF: 28.3/39

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1401.900+/-0.237 χ^2/NDF:1131498.0/22

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

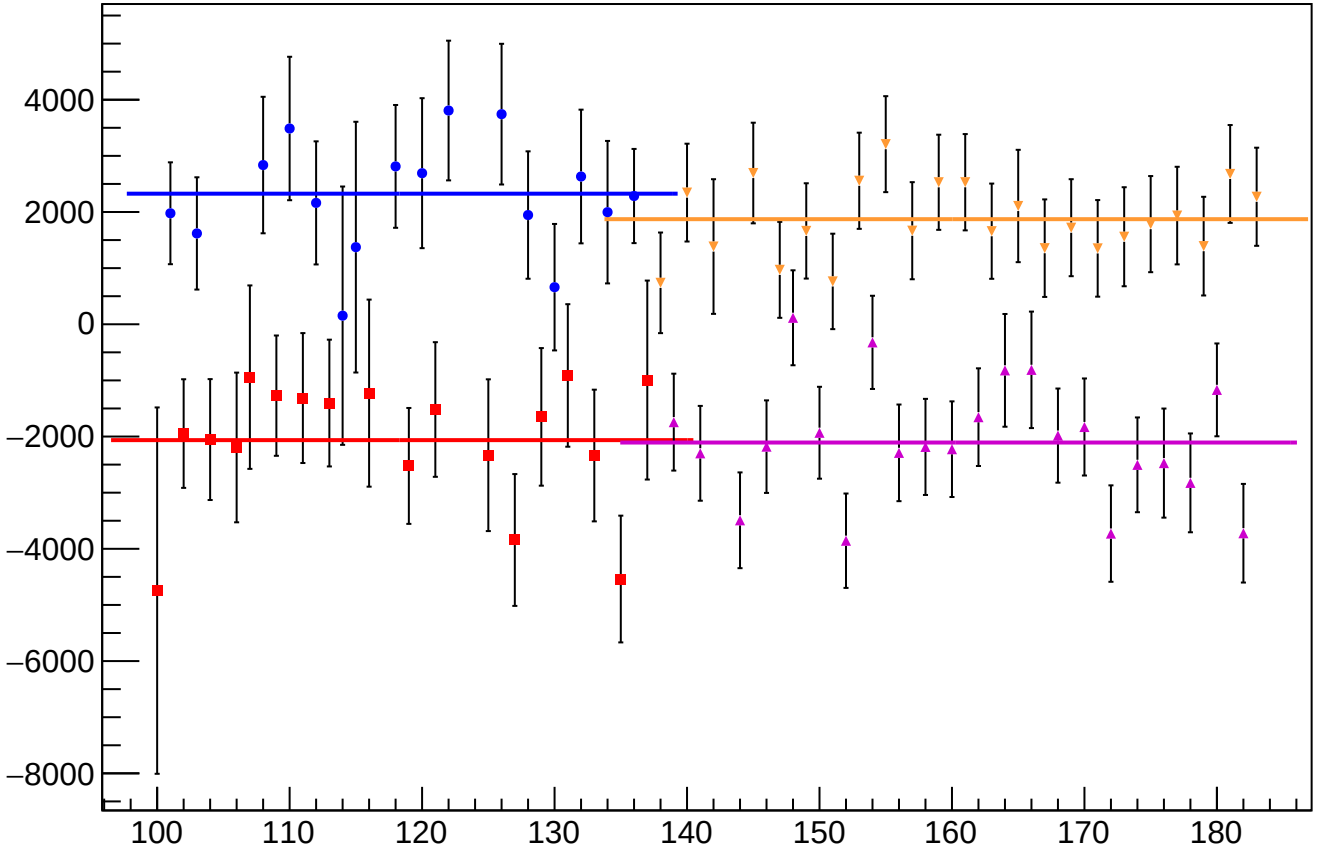
Left In: 1388.869+/-0.236 χ^2/NDF:1253790.9/21

+ sign 1322.985+/-0.190 χ^2/NDF: 2013026.3/38

All: 1329.795+/-0.135 χ^2/NDF: 3809391.7/78

- sign 1336.728+/-0.192 χ^2/NDF: 1793772.6/39

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1872.328+/-183.322 χ^2/NDF:12.5/22

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

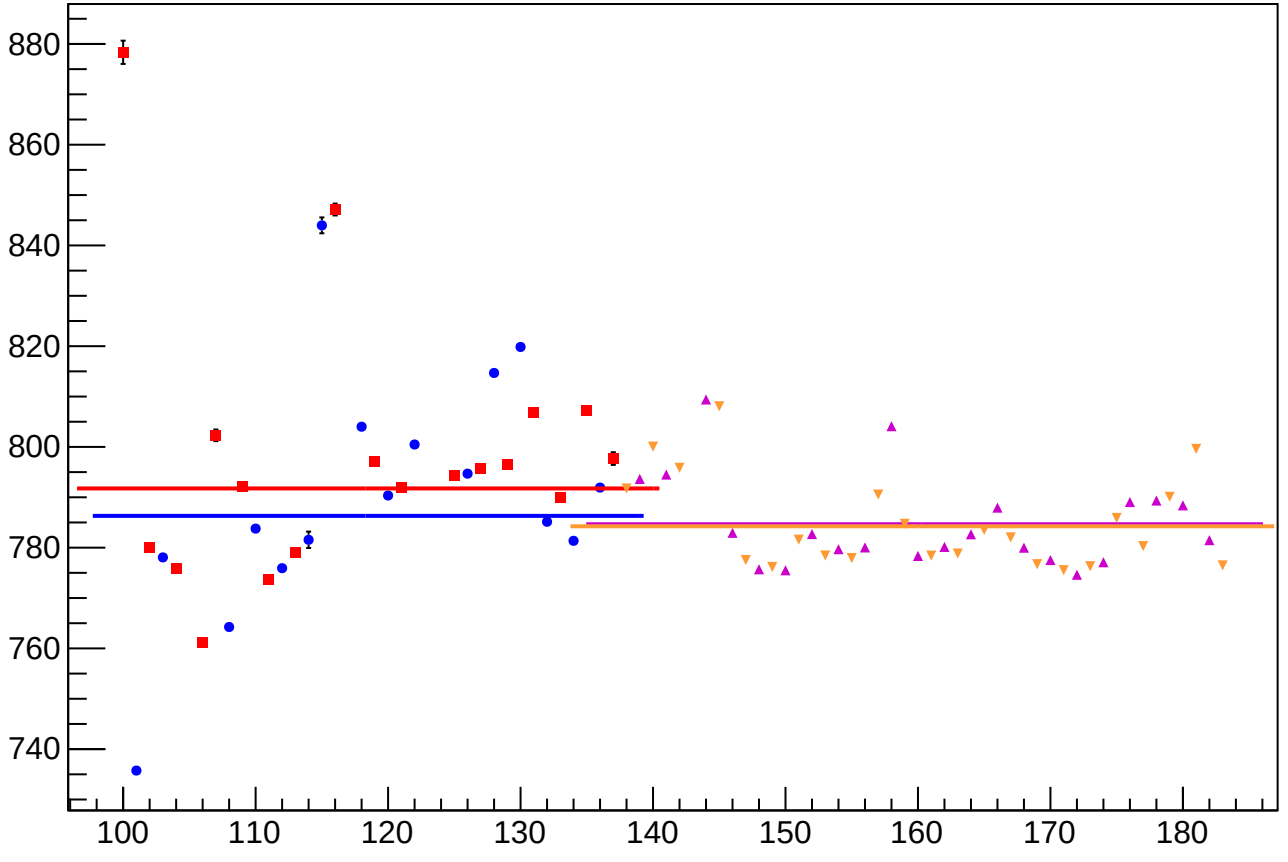
Left In: -2106.772+/-184.726 χ^2/NDF:31.7/21

+ sign 2000.600+/-155.286 χ^2/NDF: 22.4/38

All: -36.549+/-110.083 χ^2/NDF: 411.7/78

- sign -2094.527+/-156.078 χ^2/NDF: 43.3/39

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 784.242+/-0.130 χ^2/NDF:4651.9/22

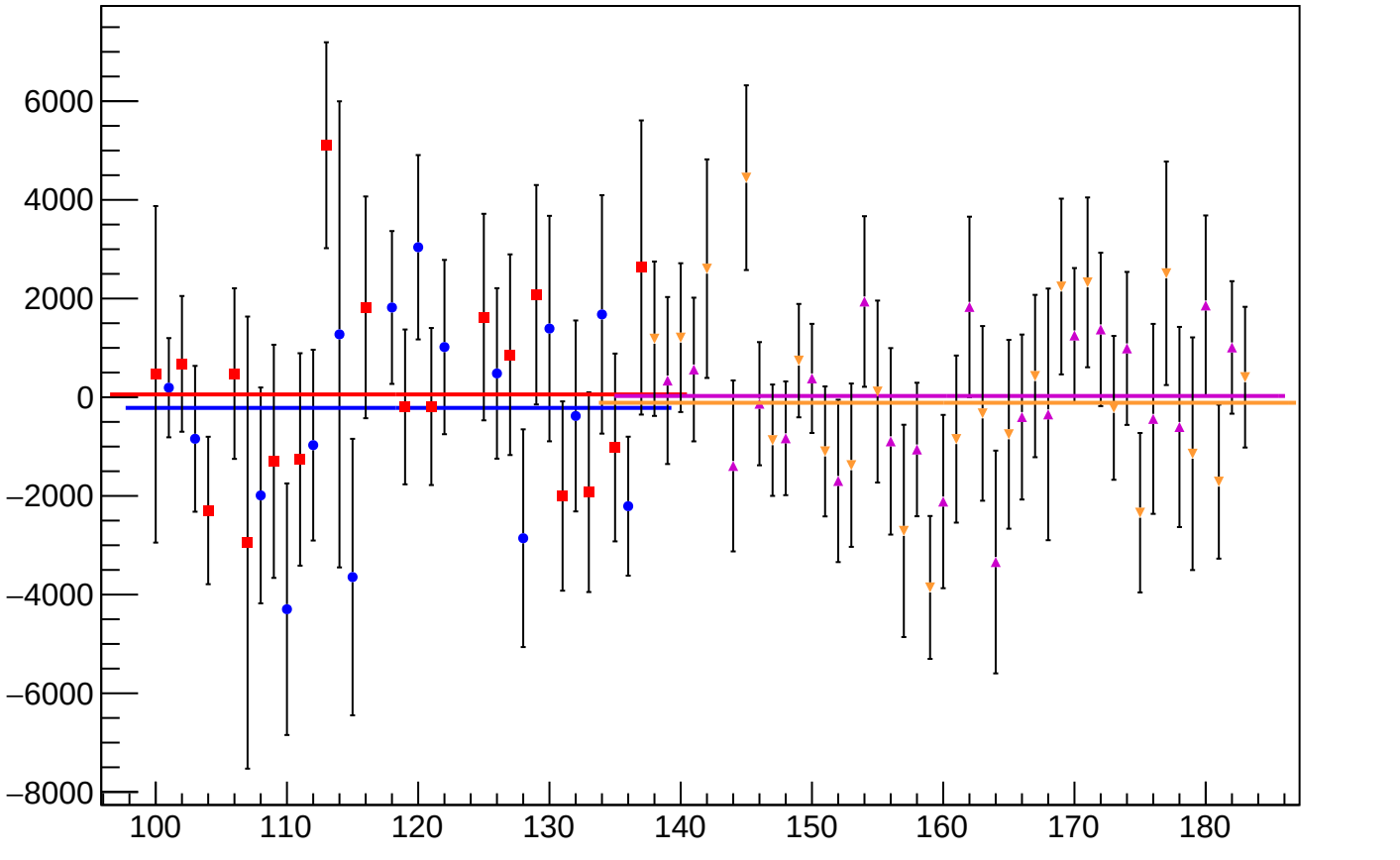
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.651+/-0.131 χ^2/NDF:4815.2/21

+ sign 784.826+/-0.110 χ^2/NDF: 17294.8/38

All: 785.750+/-0.078 χ^2/NDF: 30114.0/78

- sign 786.684+/-0.110 χ^2/NDF: 12676.8/39



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

Left Out: -112.405+/-335.136 χ^2/NDF:28.0/22

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

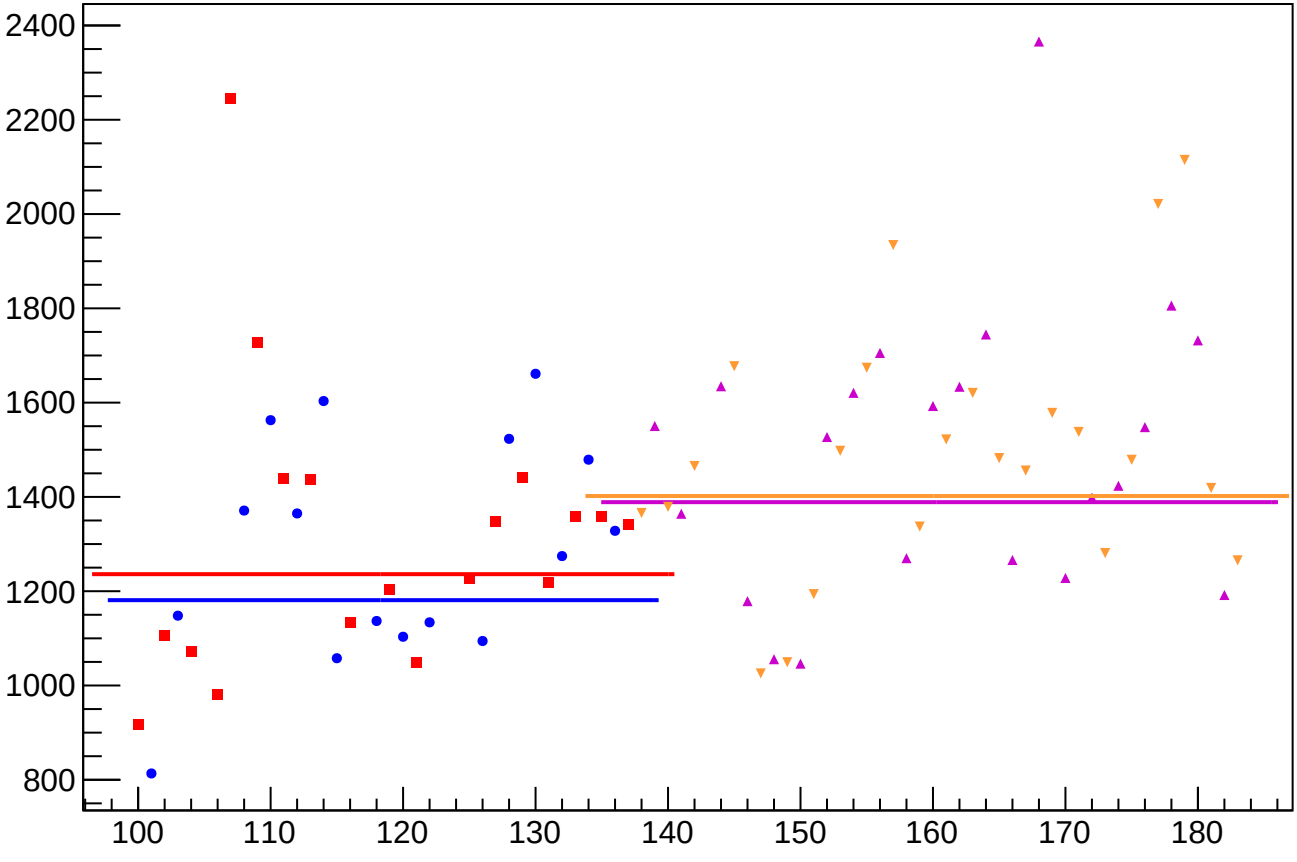
Left In: 25.511+/-334.043 χ^2/NDF:13.1/21

+ sign -149.479+/-268.686 χ^2/NDF: 43.3/38

All: -57.474+/-190.835 χ^2/NDF: 71.8/78

- sign 36.187+/-271.093 χ^2/NDF: 28.3/39

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1401.903+/-0.237 χ^2/NDF:1131499.2/22

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

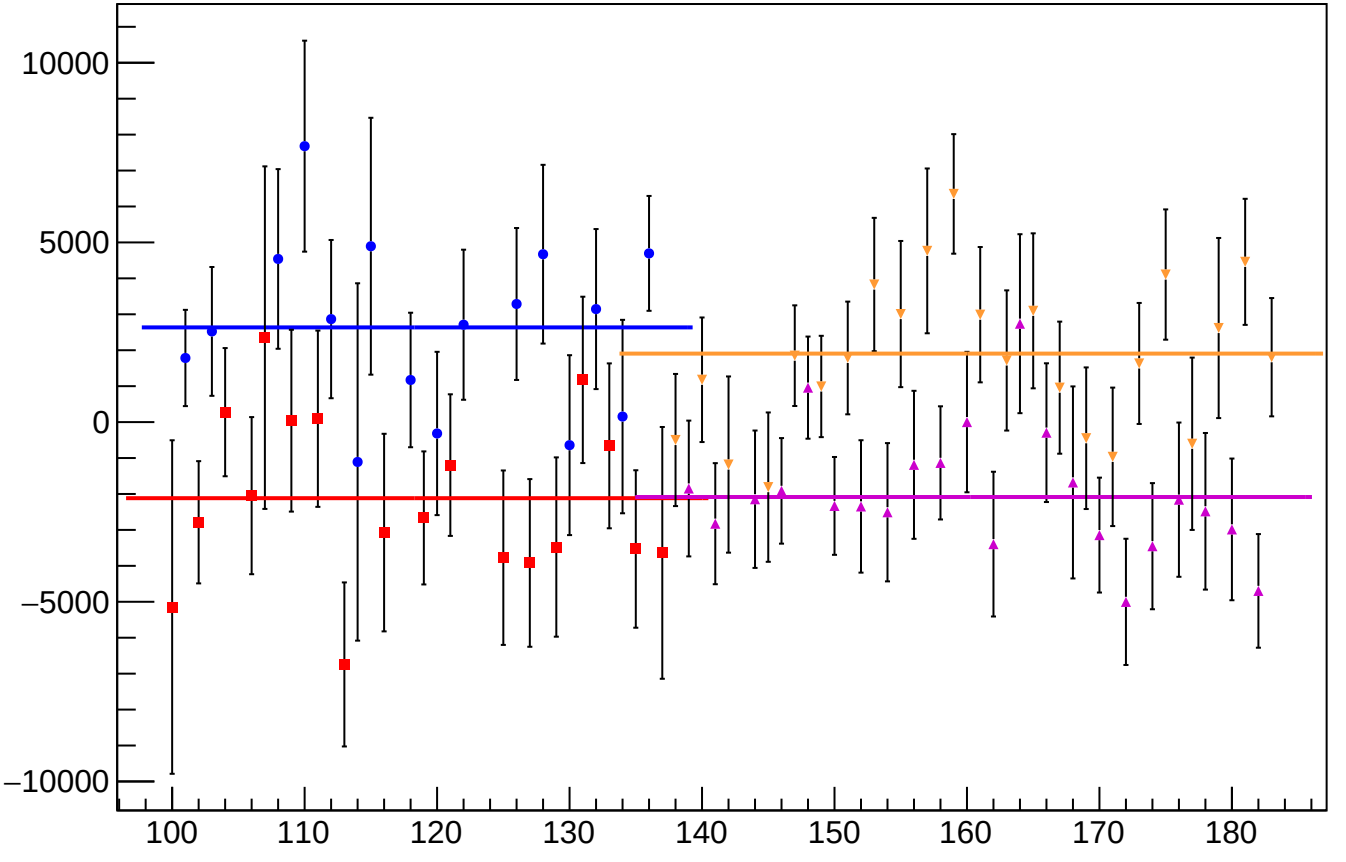
Left In: 1388.872+/-0.236 χ^2/NDF:1253791.5/21

+ sign 1322.986+/-0.190 χ^2/NDF: 2013041.6/38

All: 1329.796+/-0.135 χ^2/NDF: 3809417.6/78

- sign 1336.728+/-0.192 χ^2/NDF: 1793783.2/39

asym_us_avg_mean vs Slug



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

Left Out: 1906.189+/-383.568 χ^2/NDF:26.5/22

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

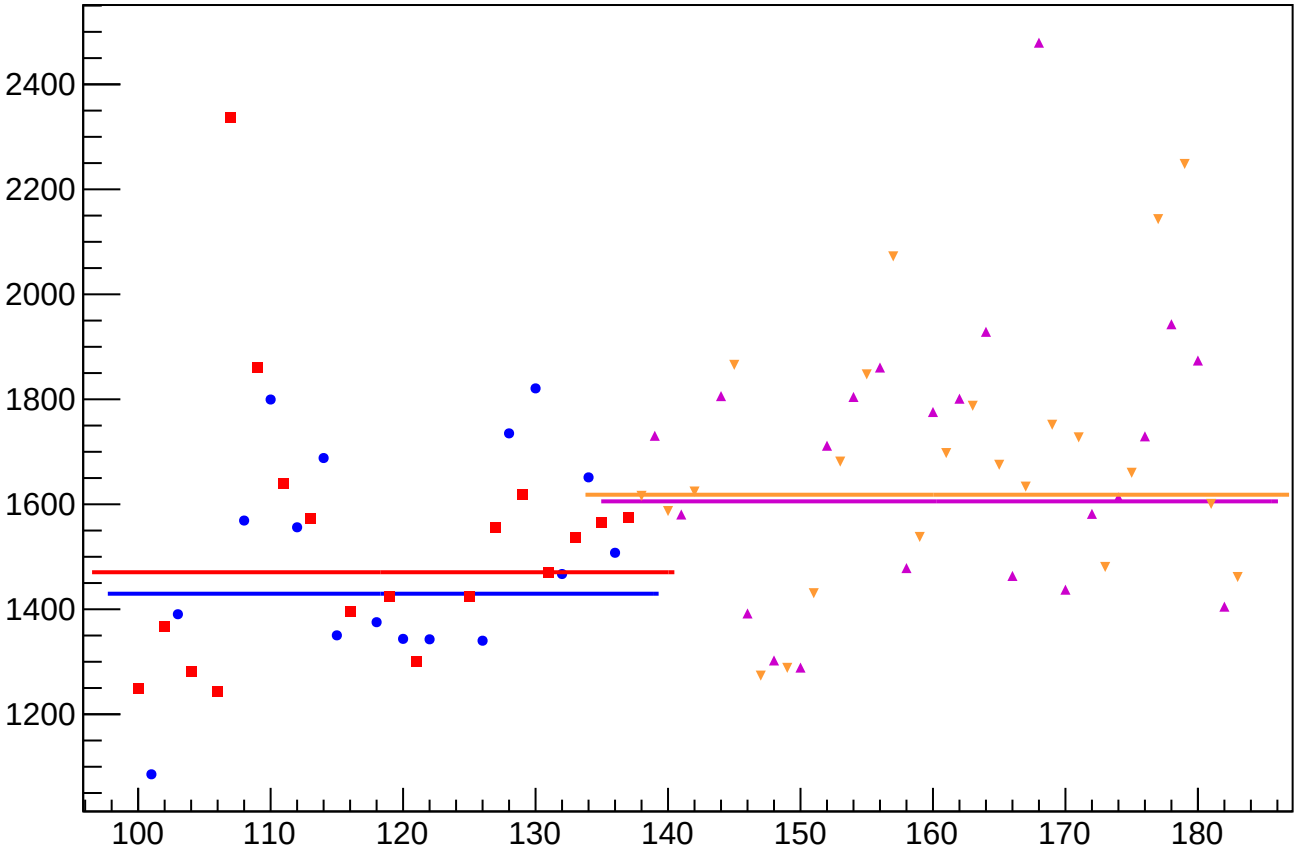
Left In: -2084.600+/-383.162 χ^2/NDF:18.4/21

+ sign 2151.913+/-312.326 χ^2/NDF: 40.0/38

All: 39.111+/-221.409 χ^2/NDF: 164.2/78

- sign -2095.306+/-313.919 χ^2/NDF: 32.2/39

asym_us_avg_rms vs Slug



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

Left Out: 1618.246+/-0.271 χ^2/NDF:689811.6/22

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

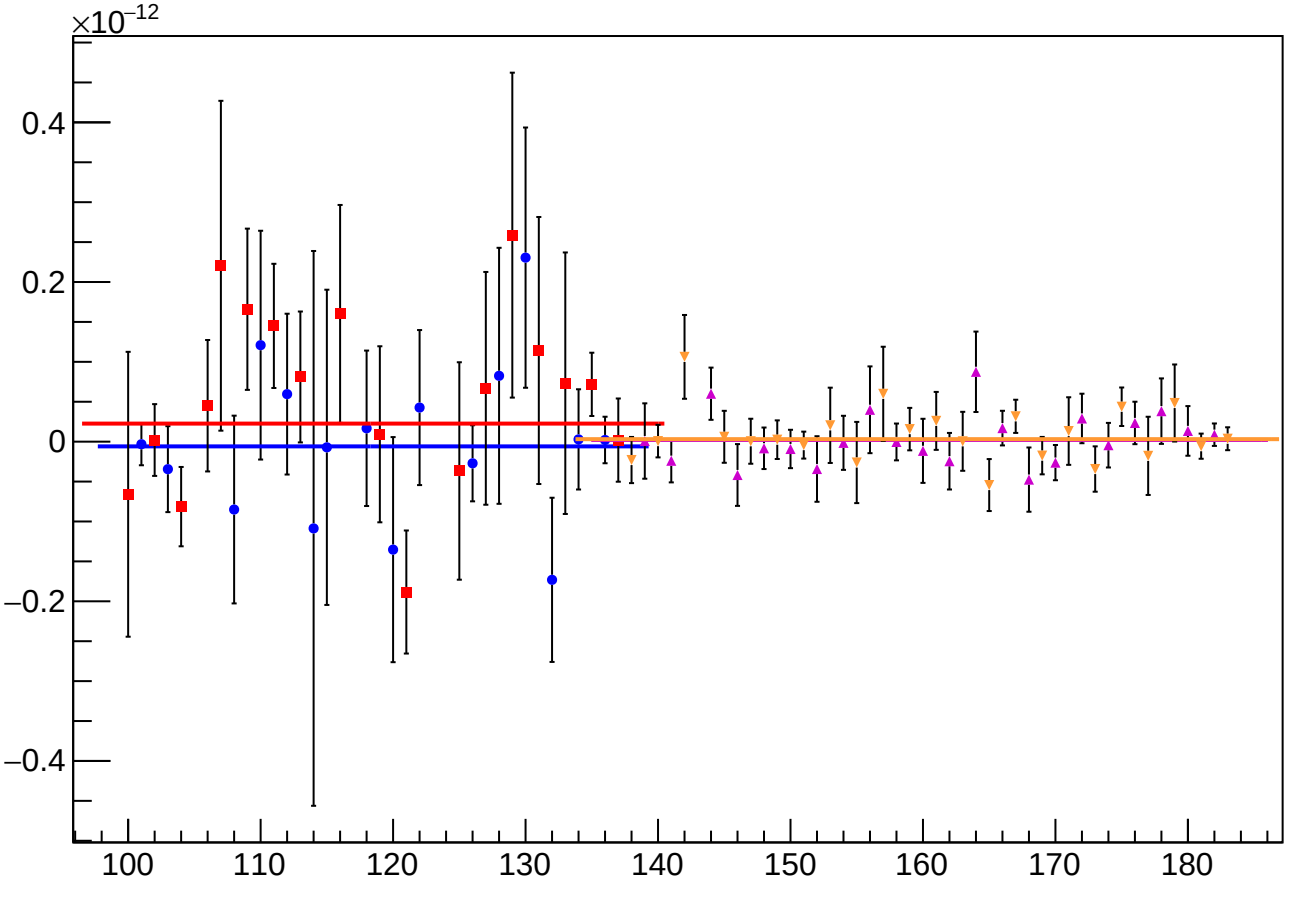
Left In: 1605.577+/-0.271 χ^2/NDF:783094.0/21

+ sign 1554.695+/-0.221 χ^2/NDF: 1146124.7/38

All: 1557.926+/-0.157 χ^2/NDF: 2229356.5/78

- sign 1561.189+/-0.222 χ^2/NDF: 1082801.7/39

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/22

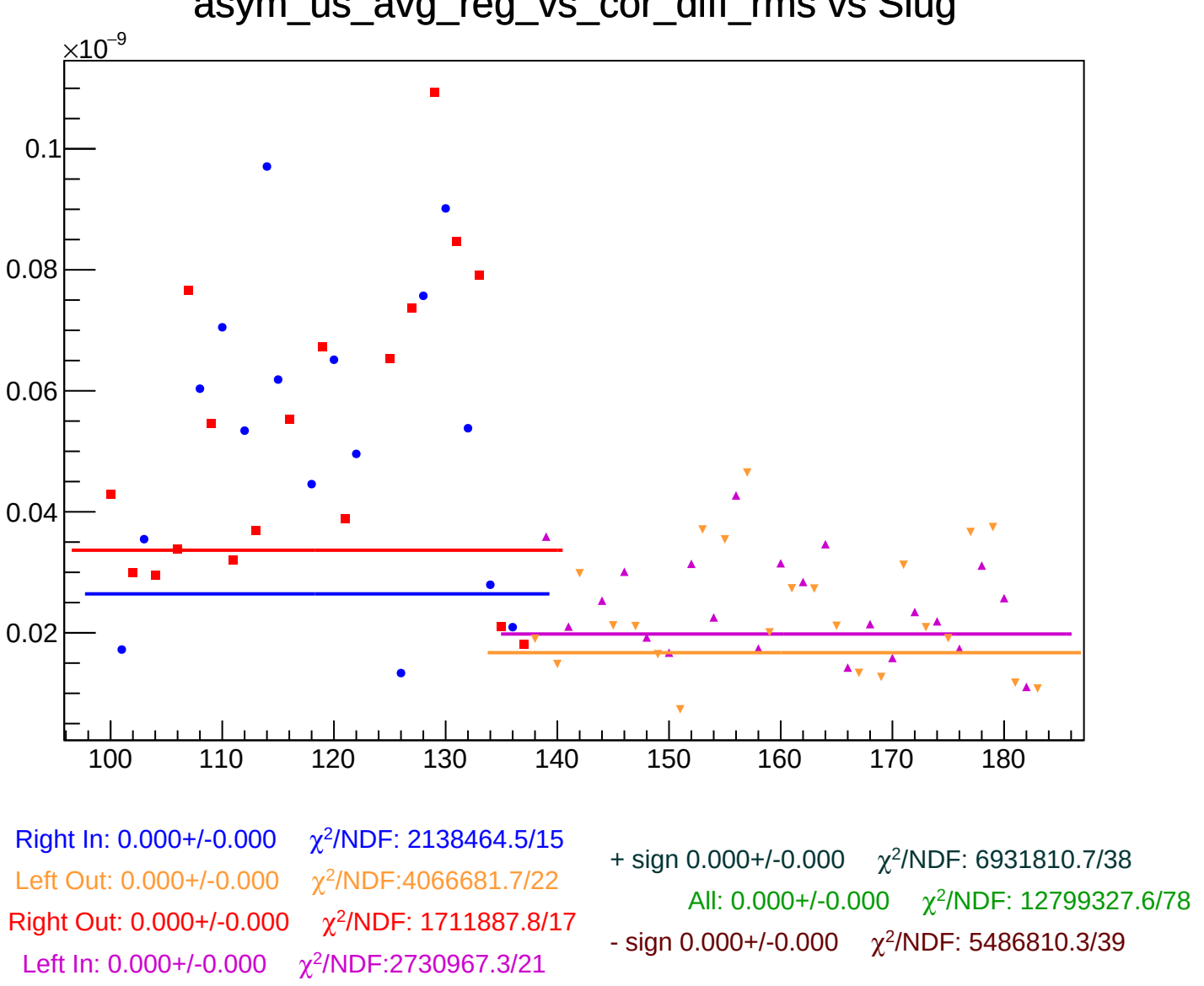
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: 0.000+/-0.000 χ^2/NDF:16.8/21

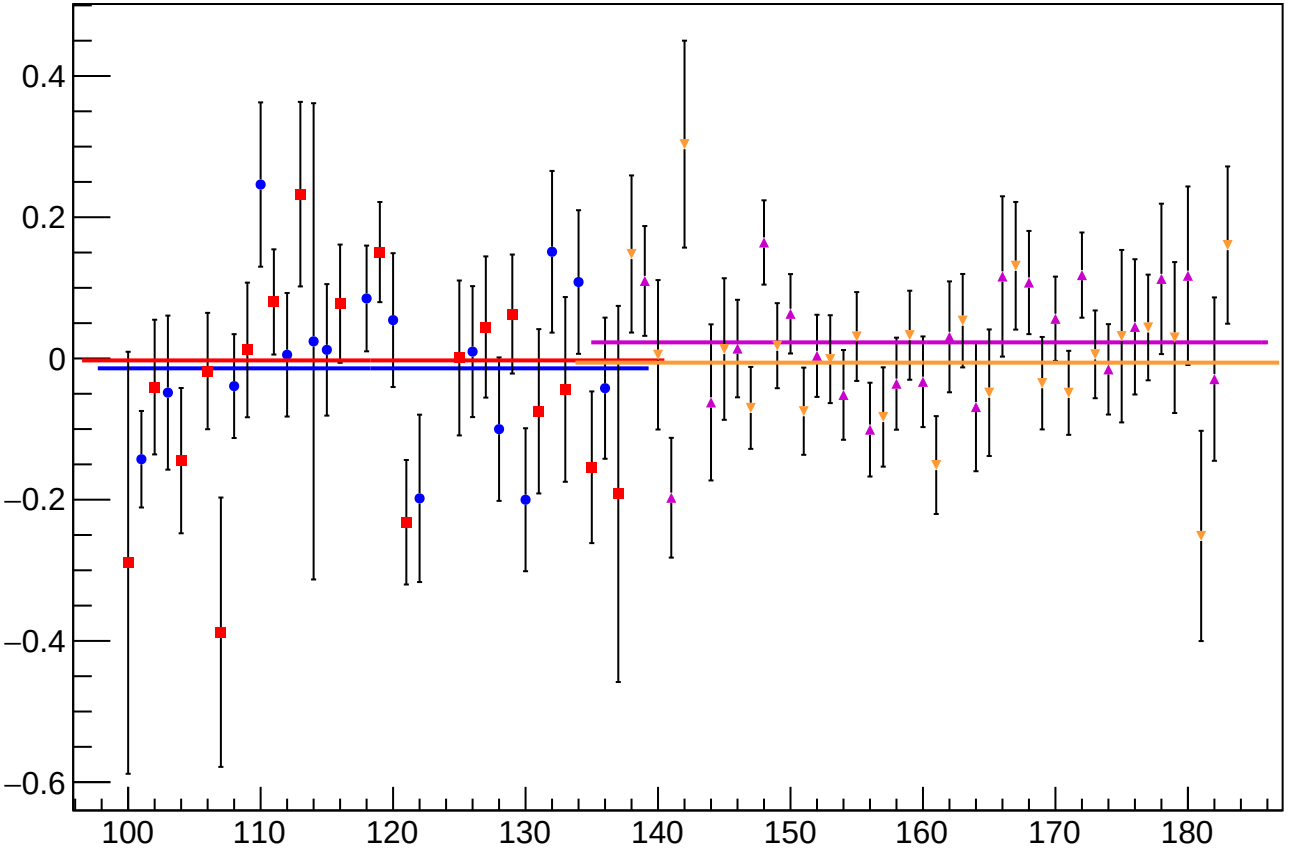
+ sign 0.000+/-0.000 χ^2/NDF: 27.6/38

All: 0.000+/-0.000 χ^2/NDF: 68.6/78

- sign 0.000+/-0.000 χ^2/NDF: 41.0/39


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4066681.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:2730967.3/21
+ sign 0.000+/-0.000 χ²/NDF: 6931810.7/38
All: 0.000+/-0.000 χ²/NDF: 12799327.6/78
- sign 0.000+/-0.000 χ²/NDF: 5486810.3/39

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.006+/-0.016 χ^2/NDF:25.0/22

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

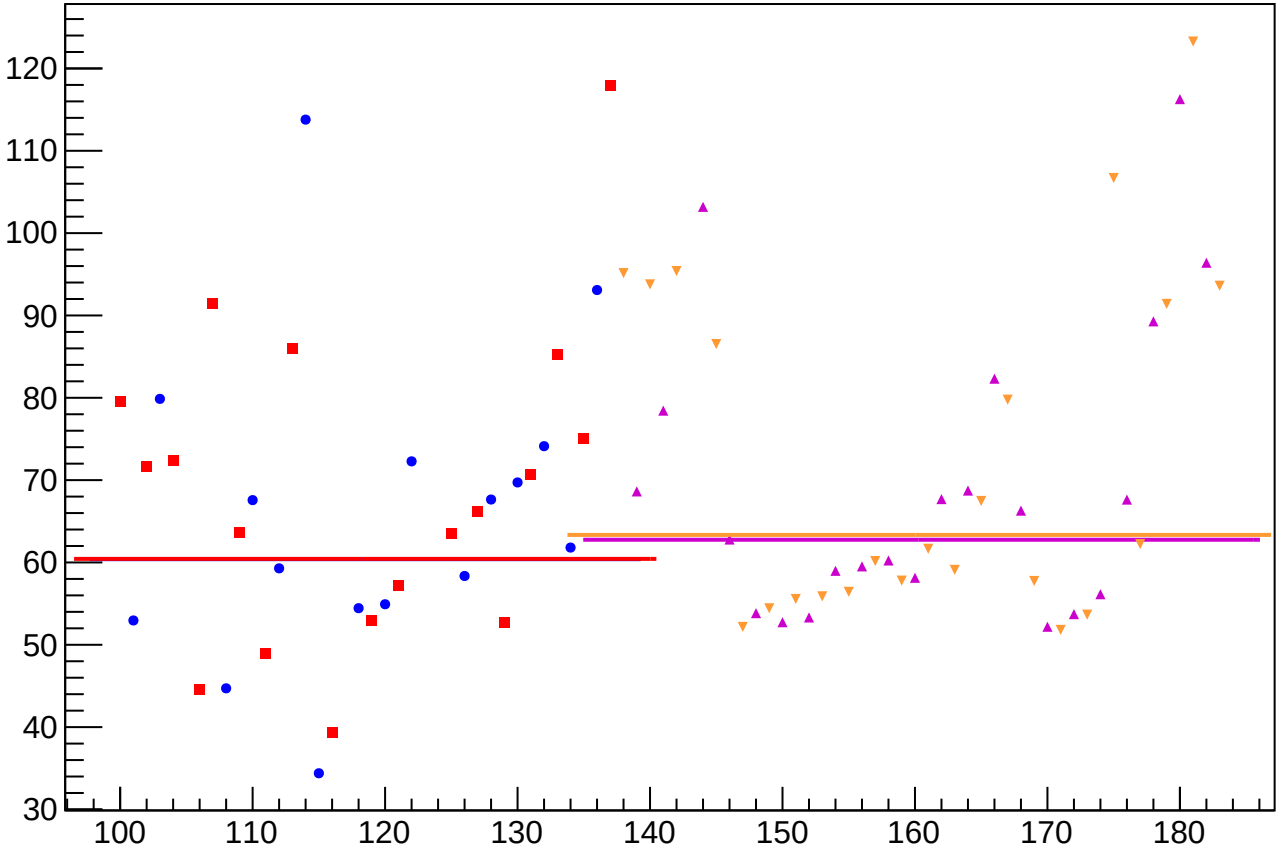
Left In: 0.023+/-0.016 χ^2/NDF:29.0/21

+ sign -0.008+/-0.013 χ^2/NDF: 46.5/38

All: 0.003+/-0.009 χ^2/NDF: 105.6/78

- sign 0.015+/-0.013 χ^2/NDF: 57.5/39

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 63.346+/-0.011 χ^2/NDF:1833719.2/22

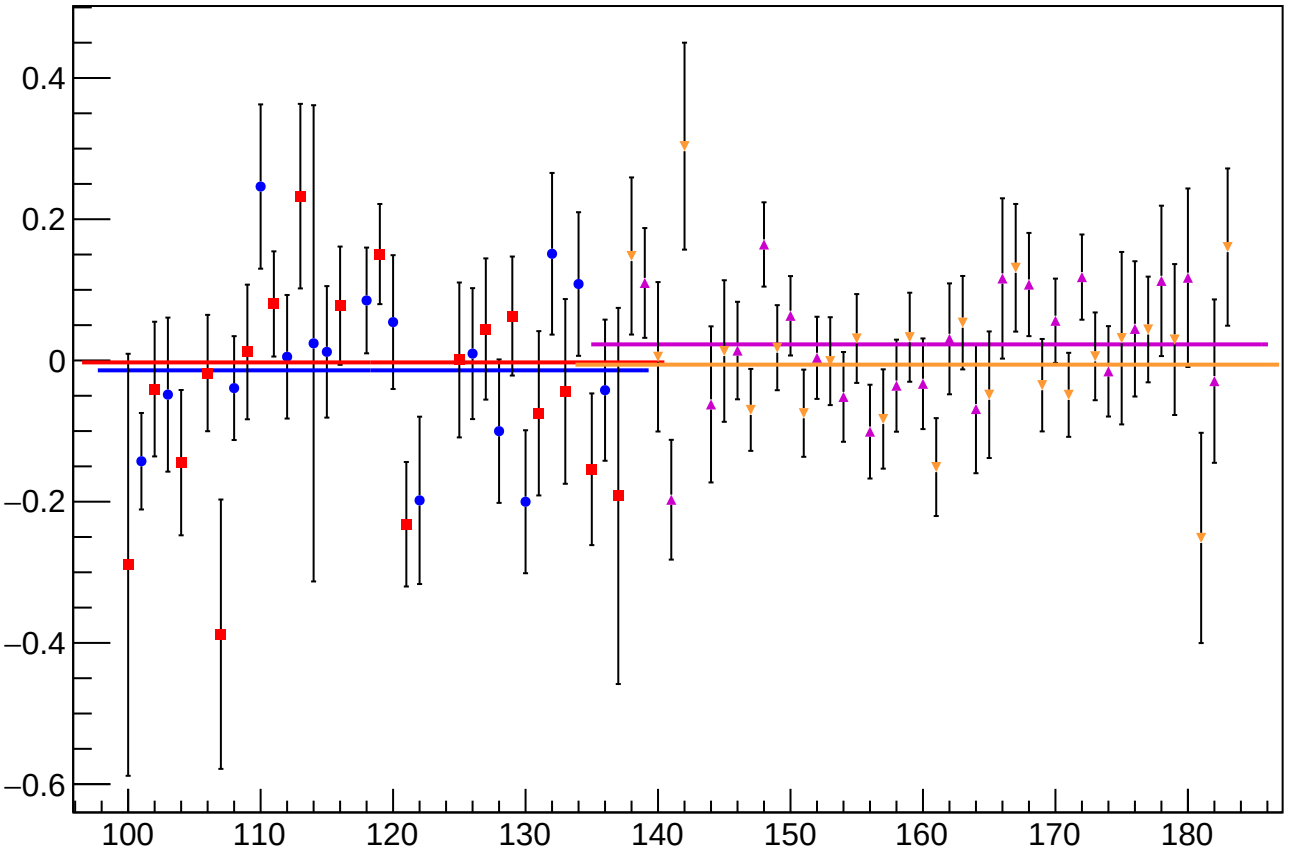
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 62.759+/-0.011 χ^2/NDF:1399774.3/21

+ sign 62.452+/-0.009 χ^2/NDF: 2558124.1/38

All: 62.255+/-0.007 χ^2/NDF: 4683251.1/78

- sign 62.062+/-0.009 χ^2/NDF: 2124238.5/39



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

Left Out: -0.006+/-0.016 χ^2/NDF:25.0/22

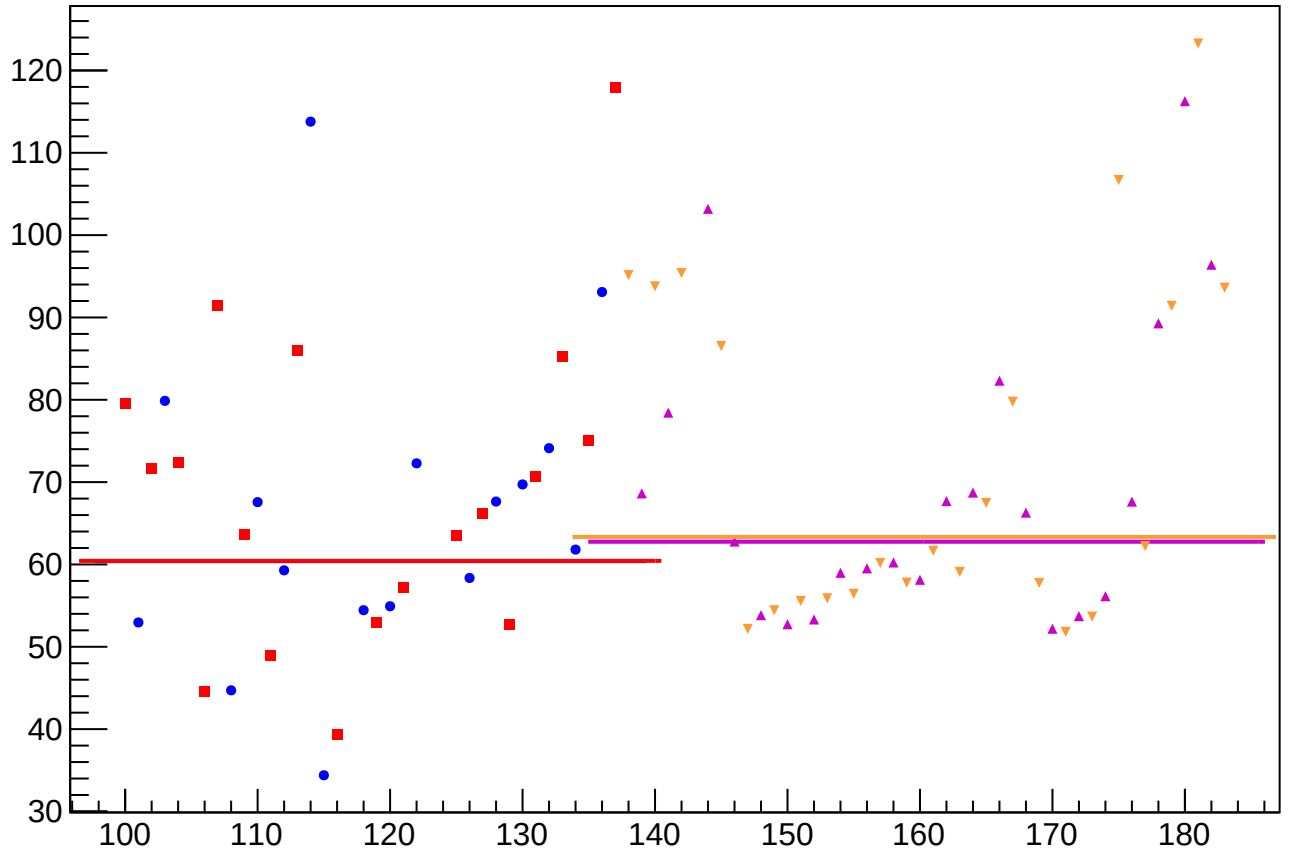
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.023+/-0.016 χ^2/NDF:29.0/21

+ sign -0.008+/-0.013 χ^2/NDF: 46.5/38

All: 0.003+/-0.009 χ^2/NDF: 105.6/78

- sign 0.015+/-0.013 χ^2/NDF: 57.5/39



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

Left Out: 63.346+/-0.011 χ^2/NDF:1833719.2/22

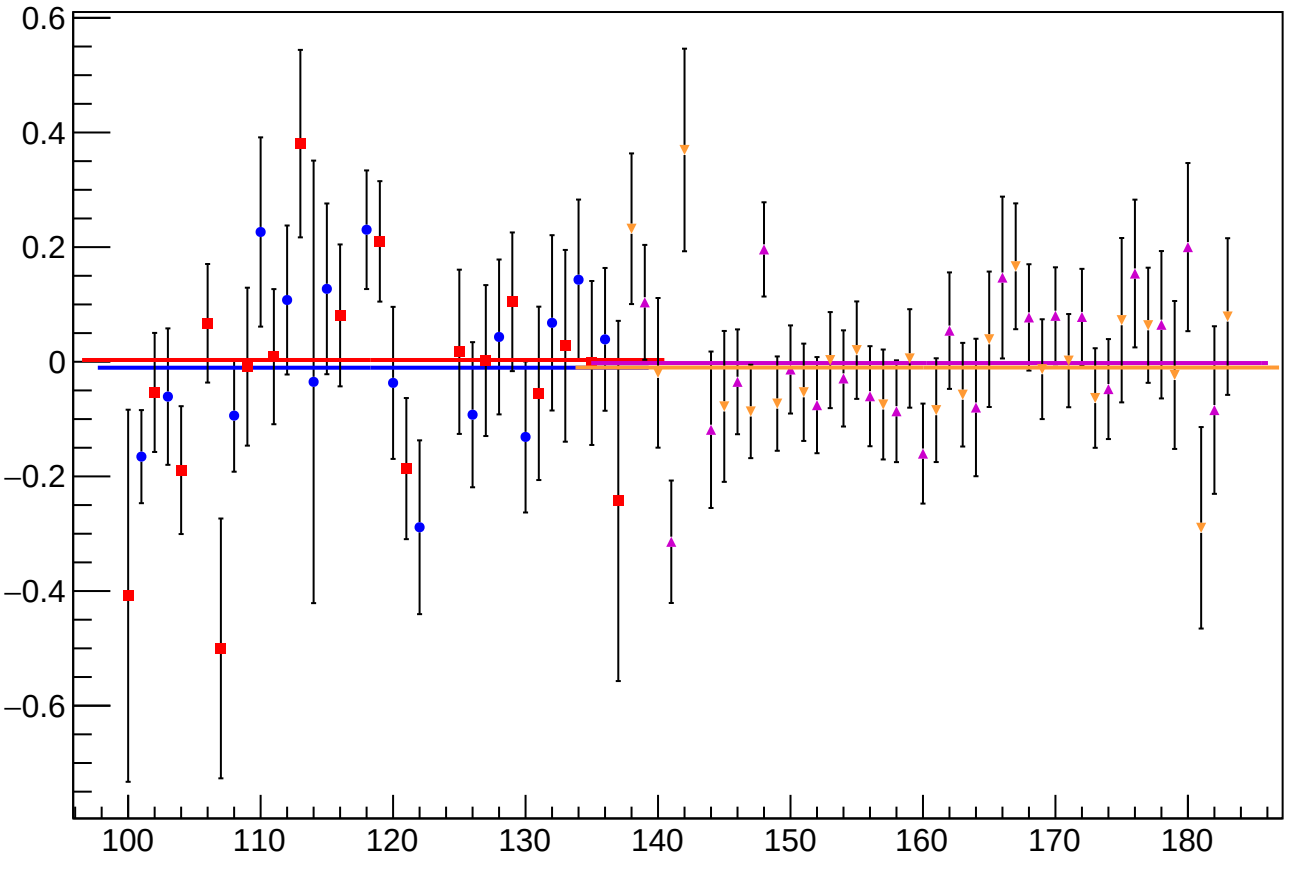
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 62.759+/-0.011 χ^2/NDF:1399774.3/21

+ sign 62.452+/-0.009 χ^2/NDF: 2558124.1/38

All: 62.255+/-0.007 χ^2/NDF: 4683251.1/78

- sign 62.062+/-0.009 χ^2/NDF: 2124238.5/39



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

Left Out: -0.010+/-0.021 χ^2/NDF:18.6/22

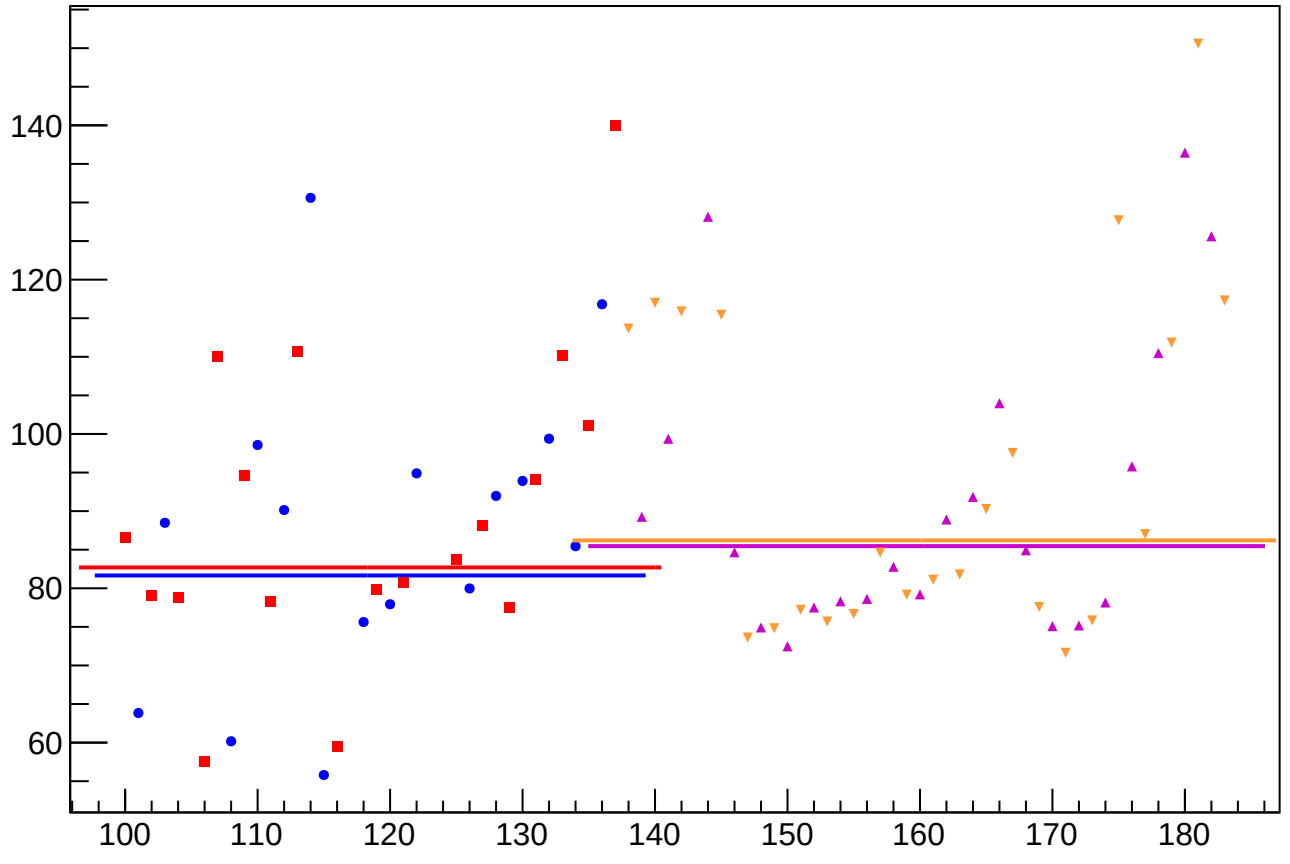
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.002+/-0.021 χ^2/NDF:30.5/21

+ sign -0.010+/-0.017 χ^2/NDF: 38.8/38

All: -0.005+/-0.012 χ^2/NDF: 93.1/78

- sign -0.001+/-0.017 χ^2/NDF: 54.2/39



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

Left Out: 86.208+/-0.015 χ^2/NDF:1298420.1/22

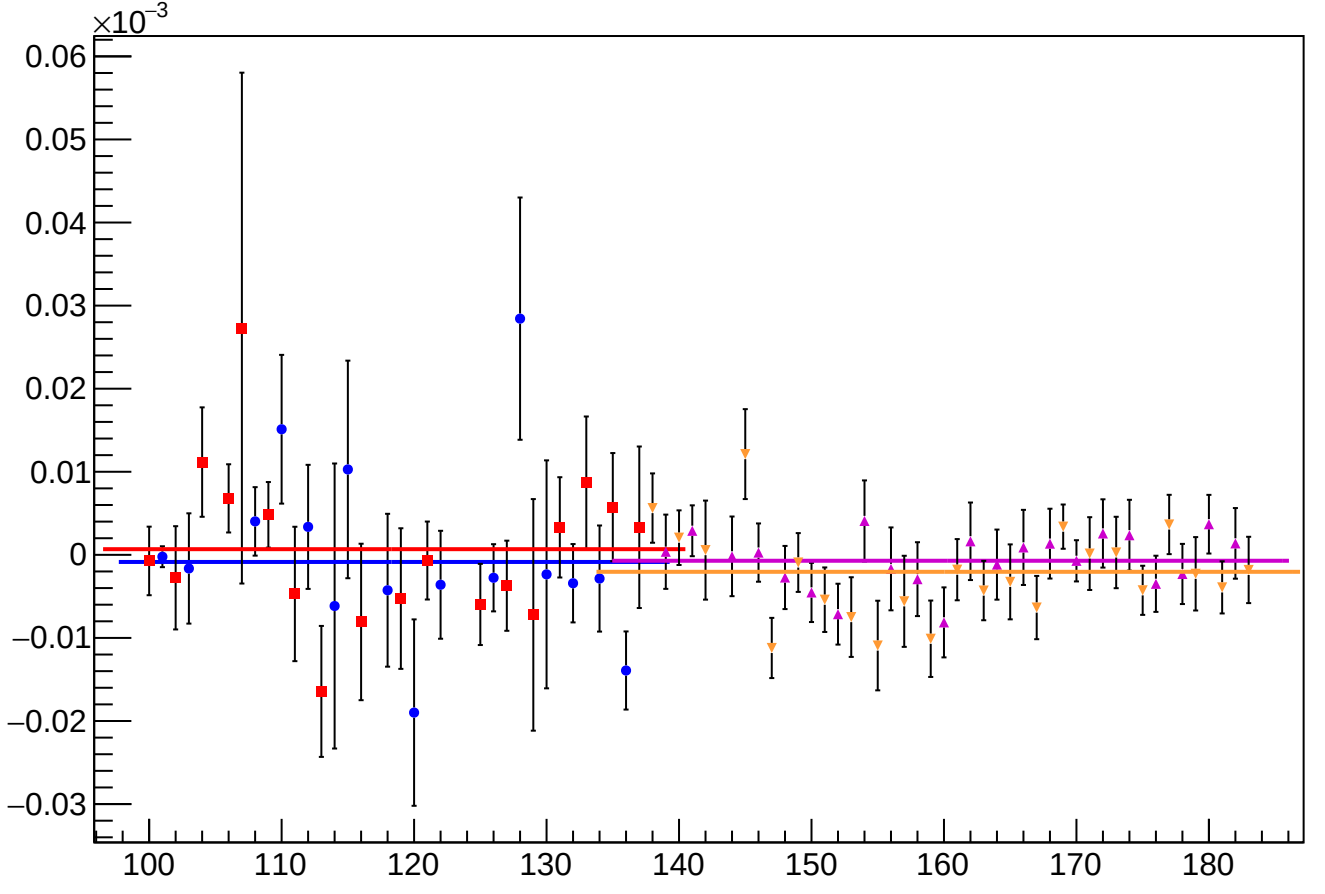
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 85.464+/-0.015 χ^2/NDF:977292.6/21

\+ sign 84.820+/-0.012 χ^2/NDF: 1888987.8/38

All: 84.727+/-0.009 χ^2/NDF: 3350063.7/78

\- sign 84.634+/-0.012 χ^2/NDF: 1460962.3/39



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.7/22

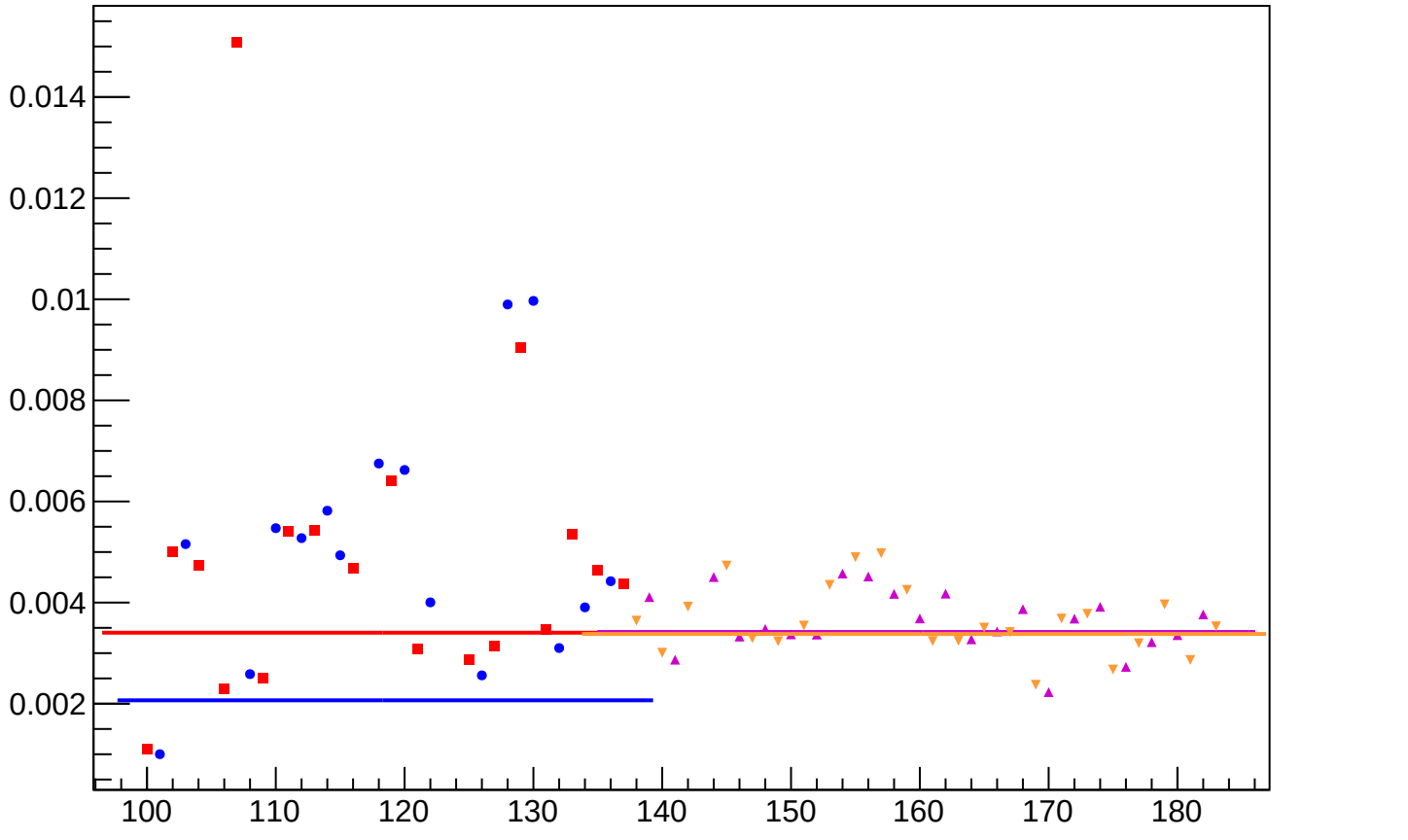
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/17

Left In: -0.000+/-0.000 χ^2/NDF:14.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/38

All: -0.000+/-0.000 χ^2/NDF: 94.3/78

- sign -0.000+/-0.000 χ^2/NDF: 33.9/39



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

Left Out: 0.003+/-0.000 χ^2/NDF:1195096.0/22

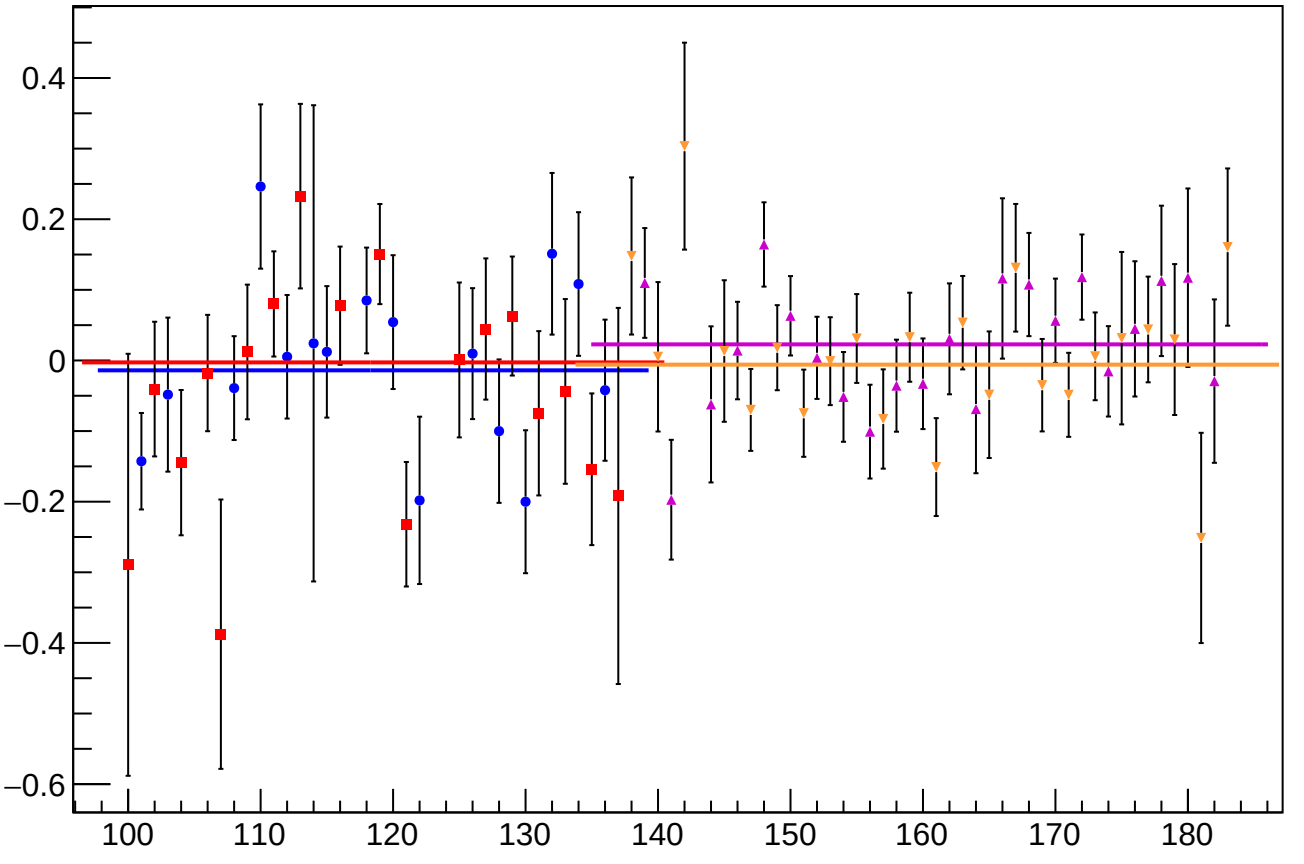
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:1169177.0/21

+ sign 0.003+/-0.000 χ^2/NDF: 9063929.1/38

All: 0.003+/-0.000 χ^2/NDF: 13395801.4/78

- sign 0.003+/-0.000 χ^2/NDF: 3660632.6/39



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

Left Out: -0.006+/-0.016 χ^2/NDF:25.0/22

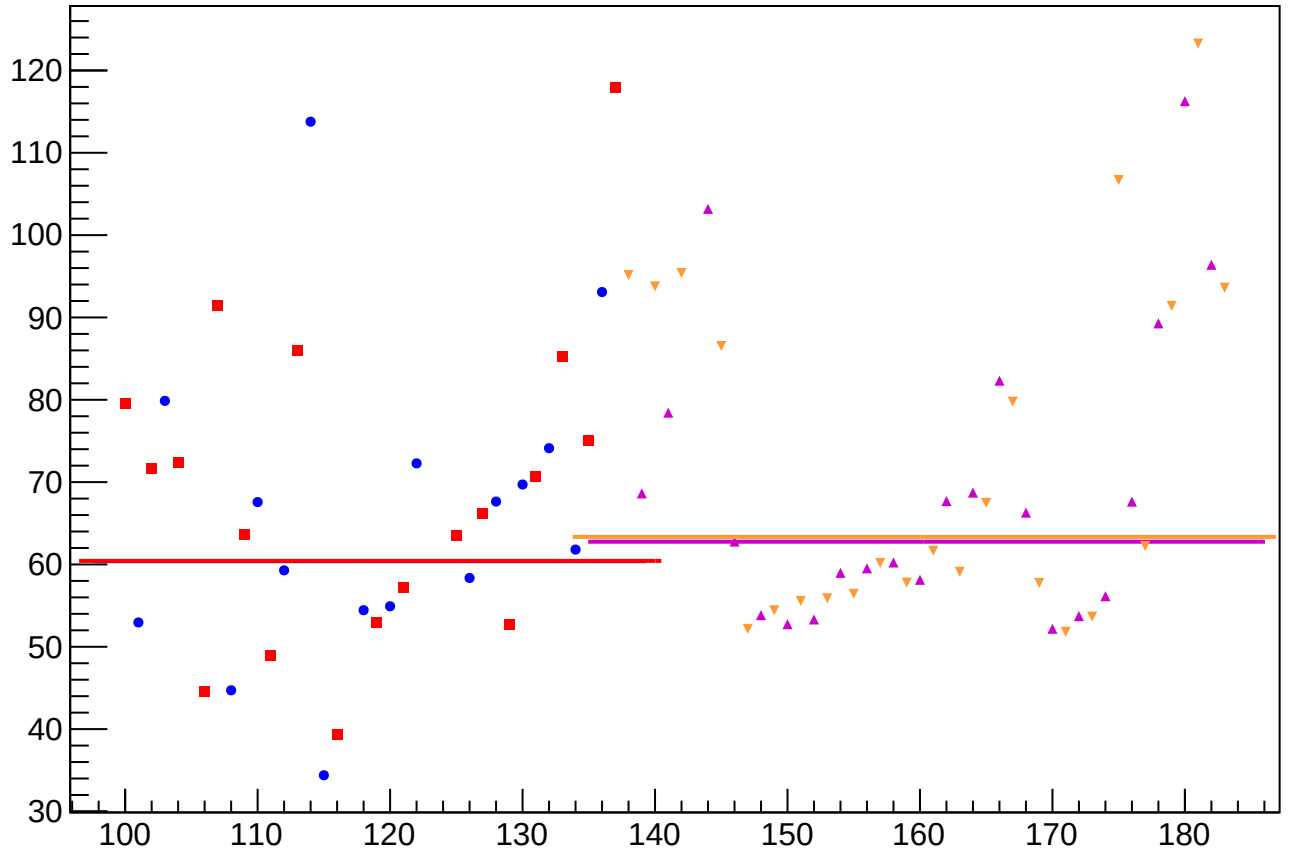
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.023+/-0.016 χ^2/NDF:29.0/21

+ sign -0.008+/-0.013 χ^2/NDF: 46.5/38

All: 0.003+/-0.009 χ^2/NDF: 105.6/78

- sign 0.015+/-0.013 χ^2/NDF: 57.5/39



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

Left Out: 63.346+/-0.011 χ^2/NDF:1833702.2/22

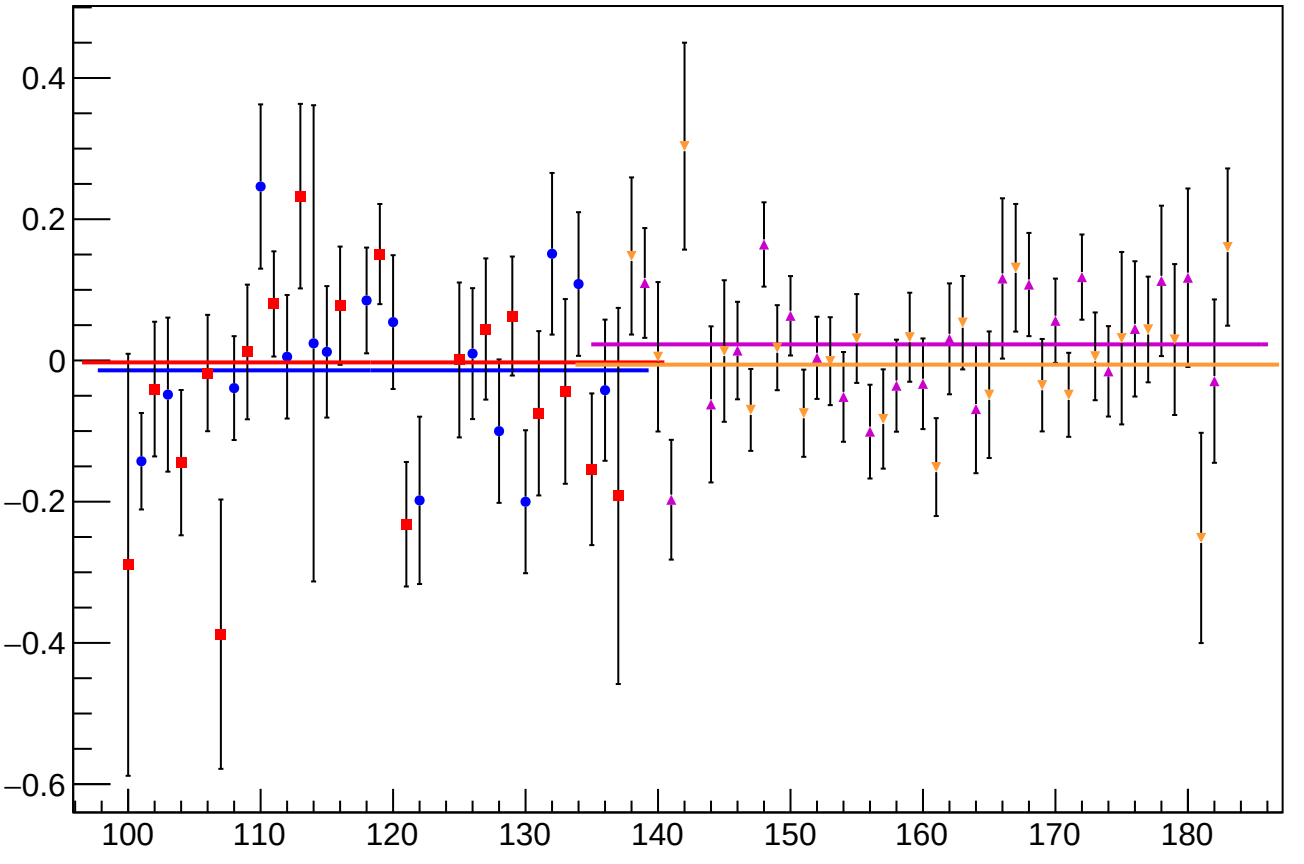
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 62.760+/-0.011 χ^2/NDF:1399752.6/21

+ sign 62.452+/-0.009 χ^2/NDF: 2558145.8/38

All: 62.255+/-0.007 χ^2/NDF: 4683304.3/78

- sign 62.062+/-0.009 χ^2/NDF: 2124269.3/39



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

Left Out: -0.006+/-0.016 χ^2/NDF:25.0/22

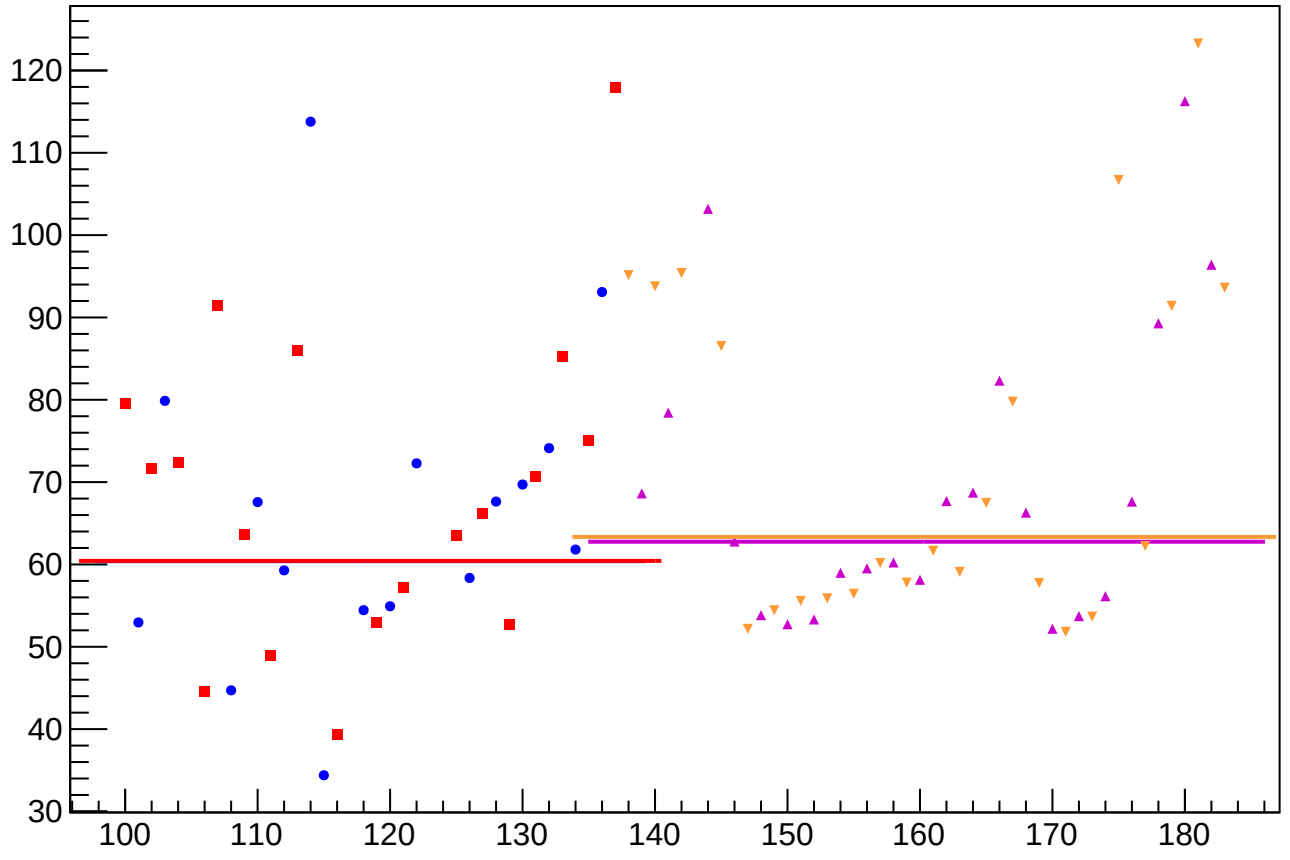
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.023+/-0.016 χ^2/NDF:29.0/21

+ sign -0.008+/-0.013 χ^2/NDF: 46.5/38

All: 0.003+/-0.009 χ^2/NDF: 105.6/78

- sign 0.015+/-0.013 χ^2/NDF: 57.5/39



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

Left Out: 63.346+/-0.011 χ^2/NDF:1833702.2/22

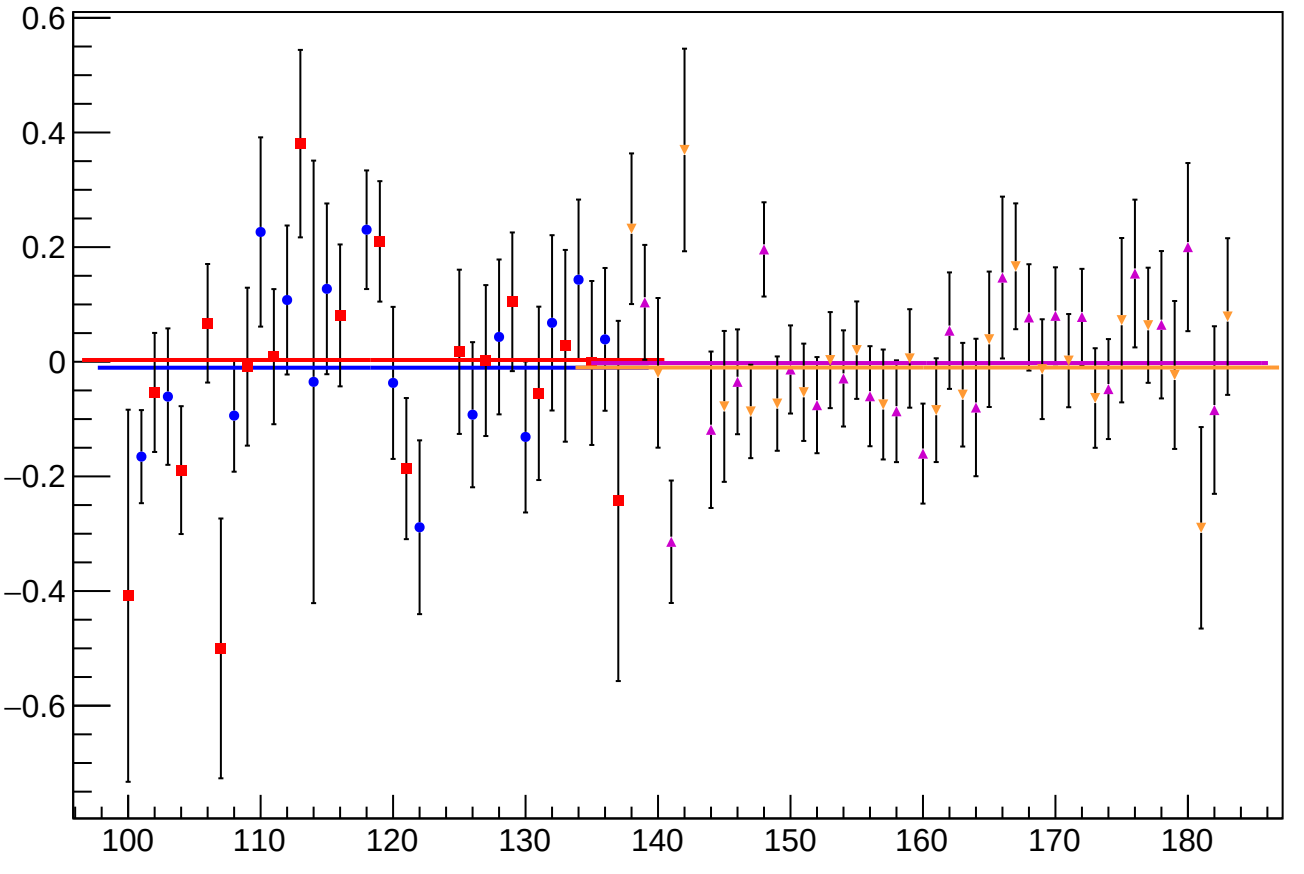
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 62.760+/-0.011 χ^2/NDF:1399752.6/21

+ sign 62.452+/-0.009 χ^2/NDF: 2558145.8/38

All: 62.255+/-0.007 χ^2/NDF: 4683304.3/78

- sign 62.062+/-0.009 χ^2/NDF: 2124269.3/39



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

Left Out: -0.010+/-0.021 χ^2/NDF:18.6/22

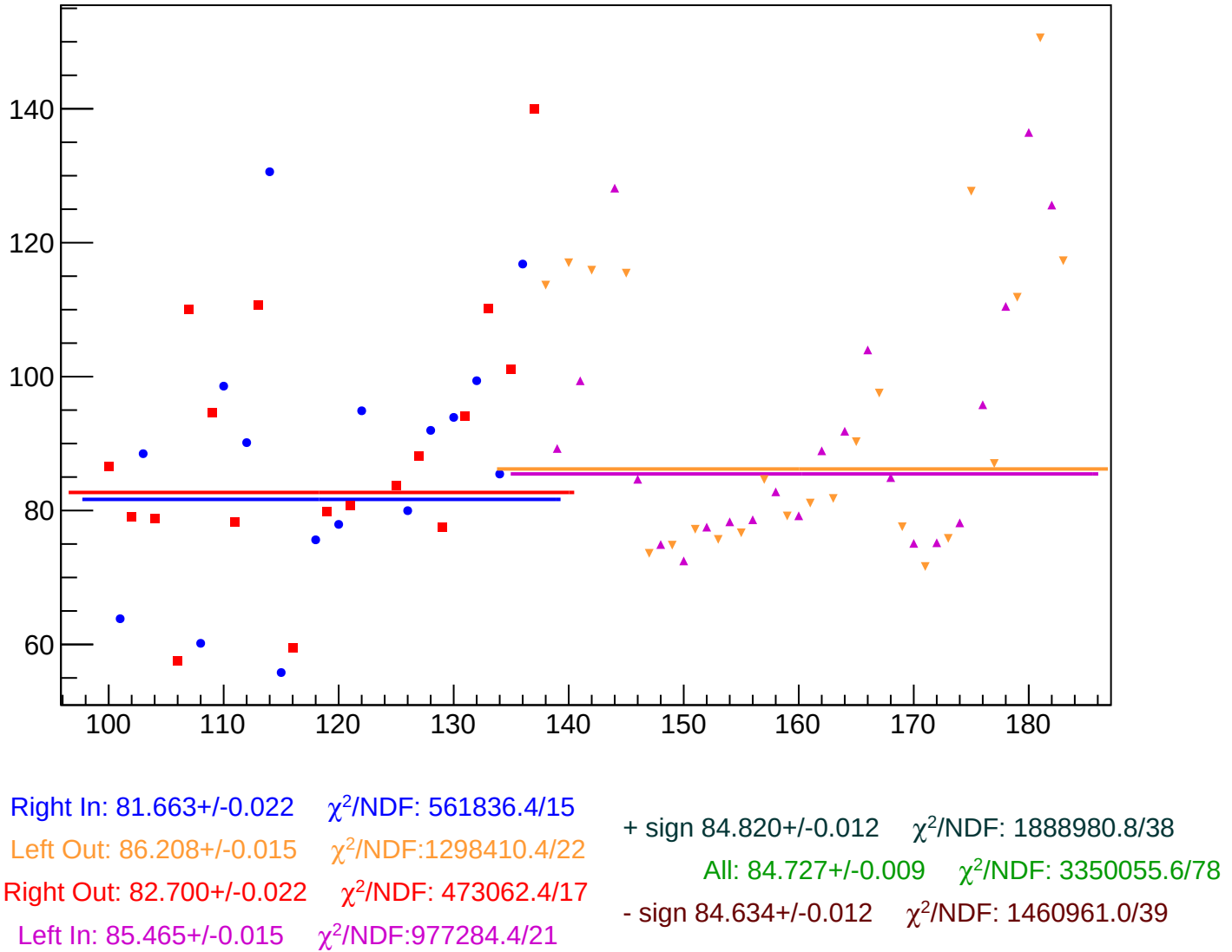
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

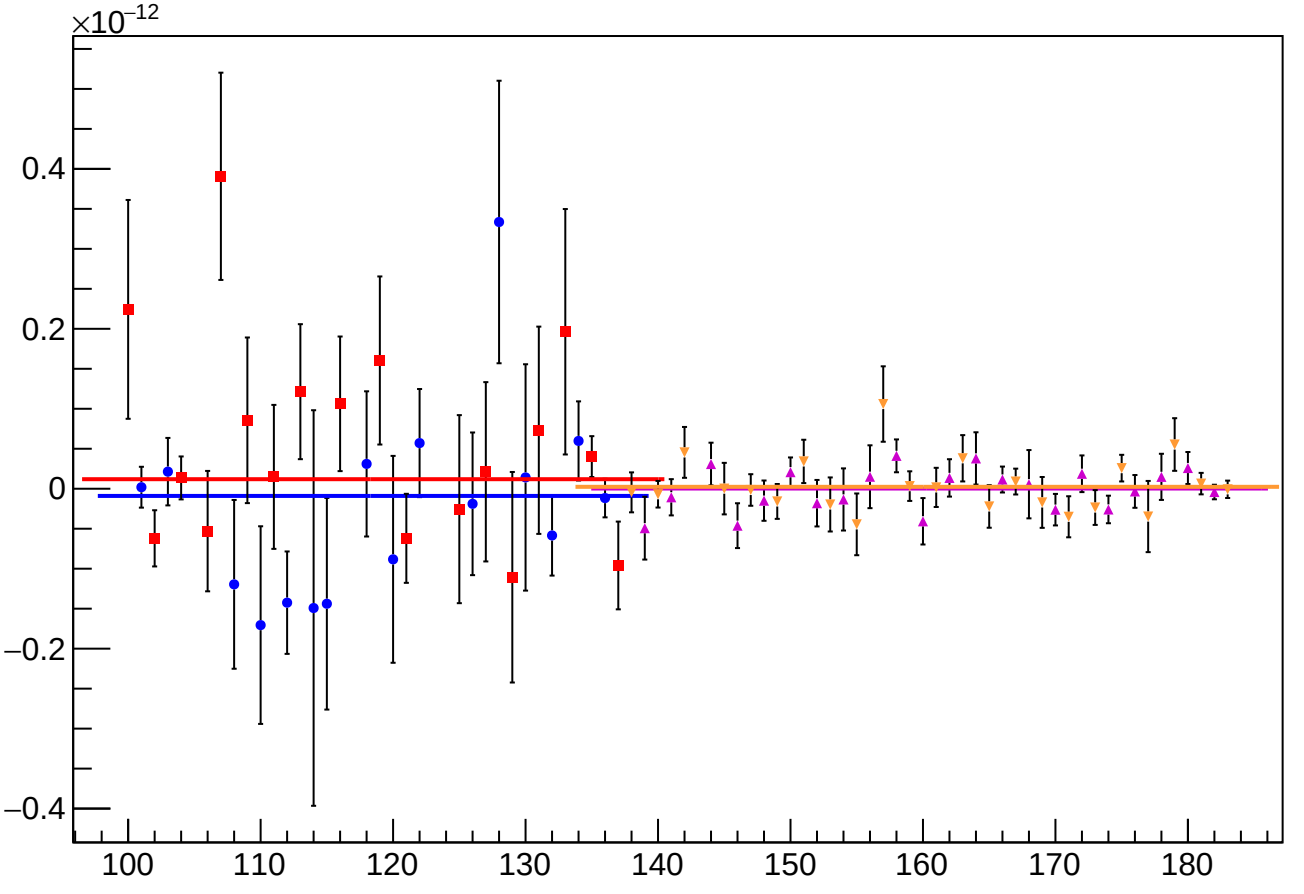
Left In: -0.002+/-0.021 χ^2/NDF:30.5/21

+ sign -0.010+/-0.017 χ^2/NDF: 38.8/38

All: -0.005+/-0.012 χ^2/NDF: 93.1/78

- sign -0.001+/-0.017 χ^2/NDF: 54.2/39


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug
140
120
100
80
60
100
110
120
130
140
150
160
170
180
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 86.208+/-0.015 χ²/NDF:1298410.4/22
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 85.465+/-0.015 χ²/NDF:977284.4/21
+ sign 84.820+/-0.012 χ²/NDF: 1888980.8/38
All: 84.727+/-0.009 χ²/NDF: 3350055.6/78
- sign 84.634+/-0.012 χ²/NDF: 1460961.0/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/22

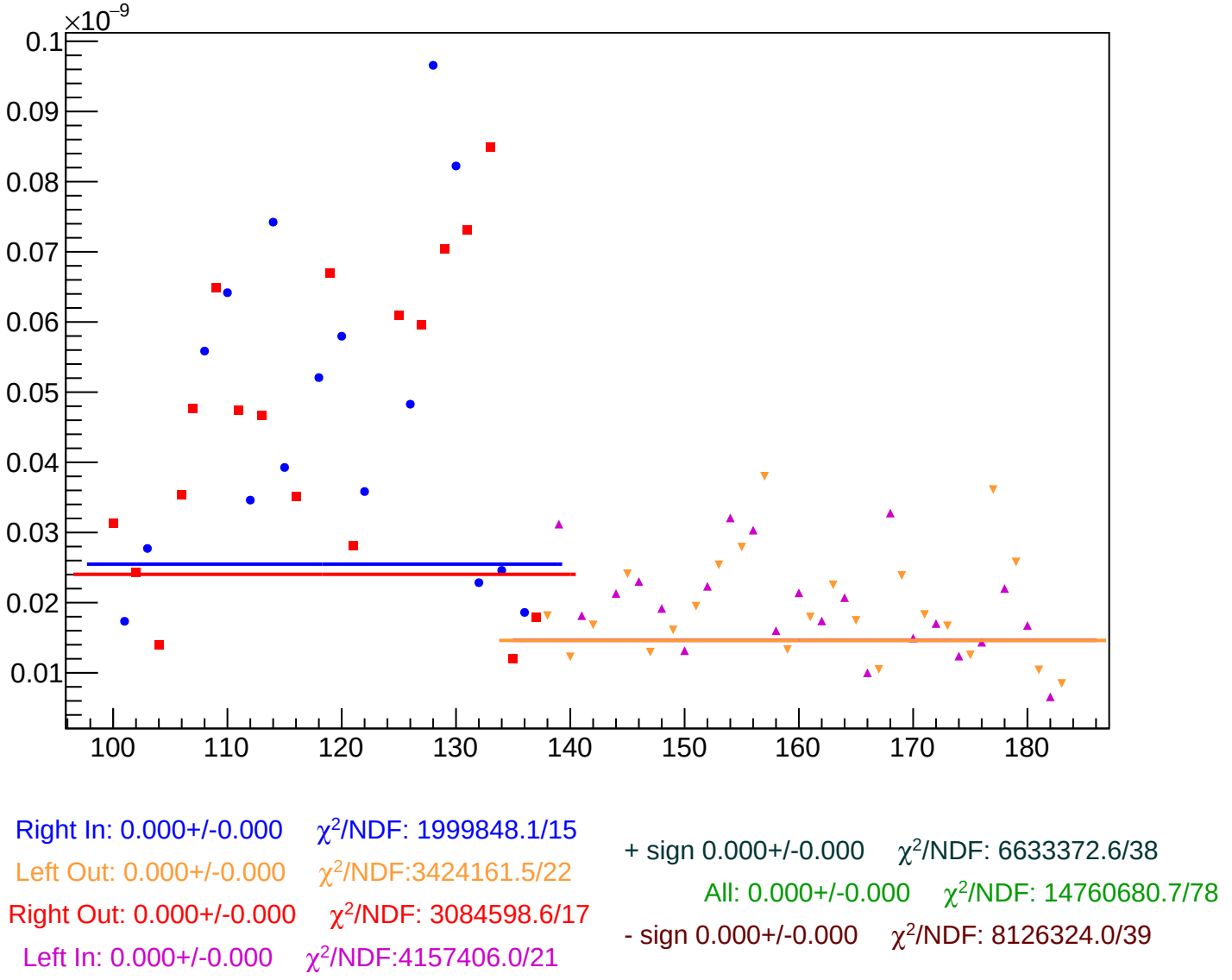
Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/17

Left In: 0.000+/-0.000 χ^2/NDF:23.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/38

All: 0.000+/-0.000 χ^2/NDF: 96.0/78

- sign 0.000+/-0.000 χ^2/NDF: 54.9/39


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
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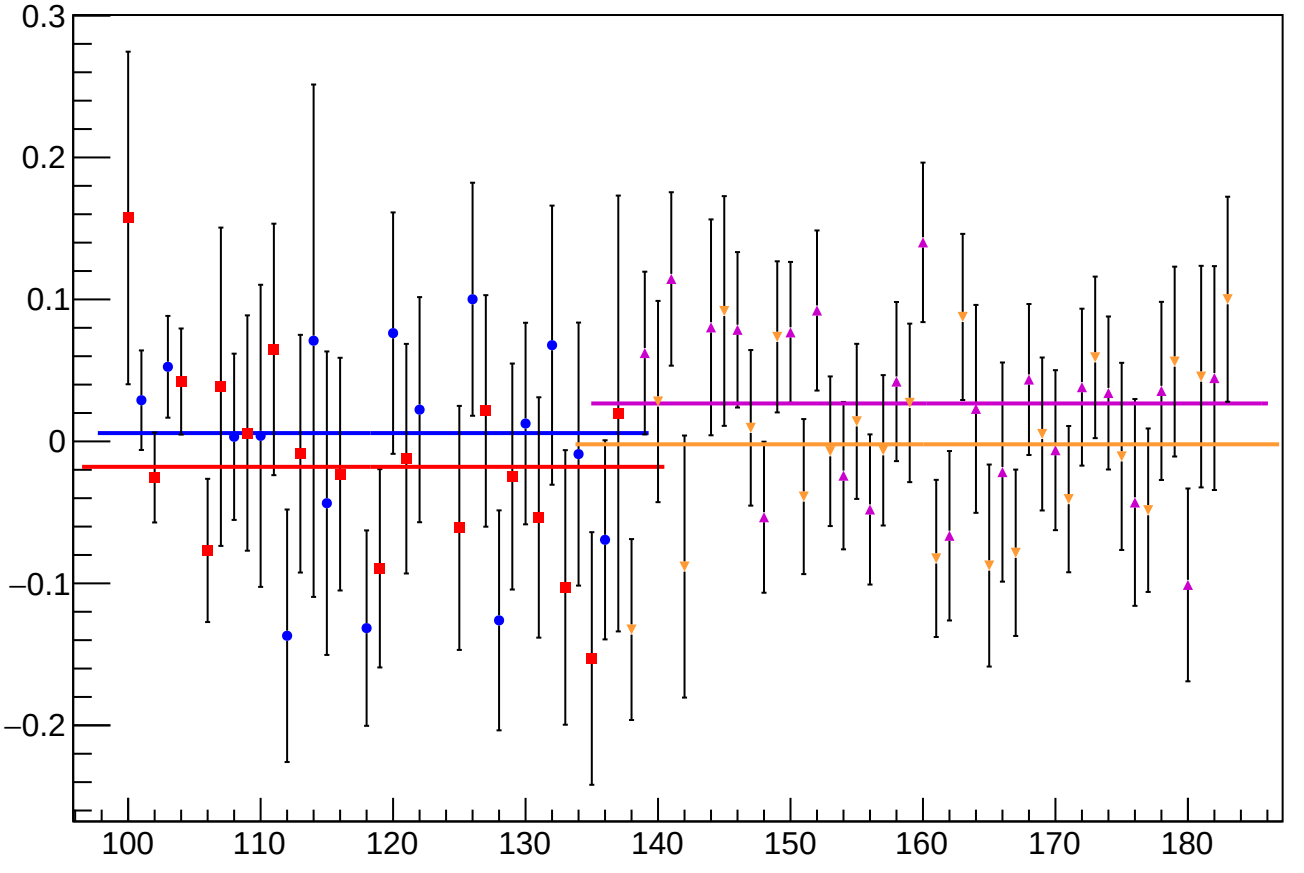
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1999848.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3424161.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 3084598.6/17
Left In: 0.000+/-0.000 χ²/NDF:4157406.0/21
+ sign 0.000+/-0.000 χ²/NDF: 6633372.6/38
All: 0.000+/-0.000 χ²/NDF: 14760680.7/78
- sign 0.000+/-0.000 χ²/NDF: 8126324.0/39



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

Left Out: -0.002+/-0.013 χ^2/NDF:22.6/22

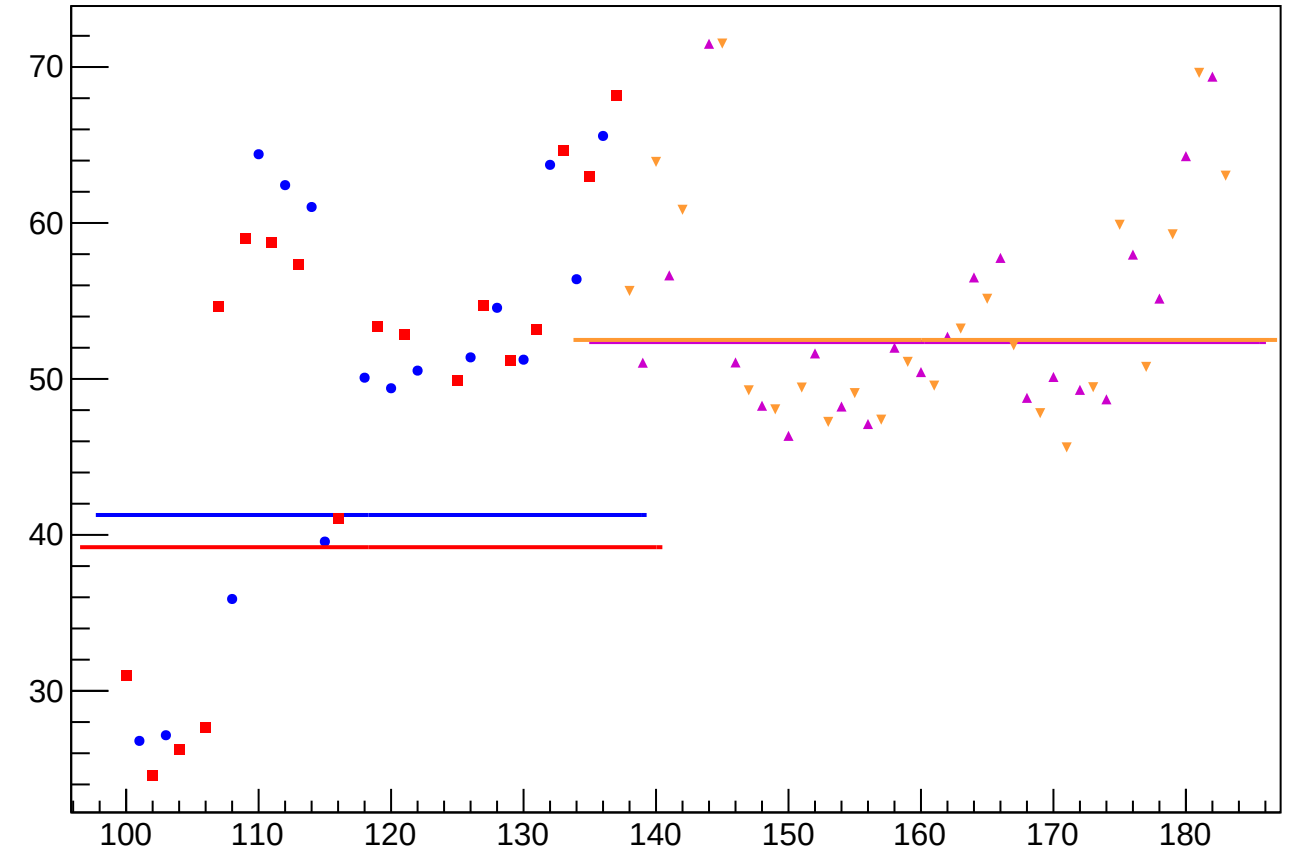
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.027+/-0.013 χ^2/NDF:23.5/21

+ sign 0.001+/-0.010 χ^2/NDF: 38.3/38

All: 0.005+/-0.007 χ^2/NDF: 79.4/78

- sign 0.009+/-0.010 χ^2/NDF: 40.7/39



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

Left Out: 52.501+/-0.009 χ^2/NDF:509893.4/22

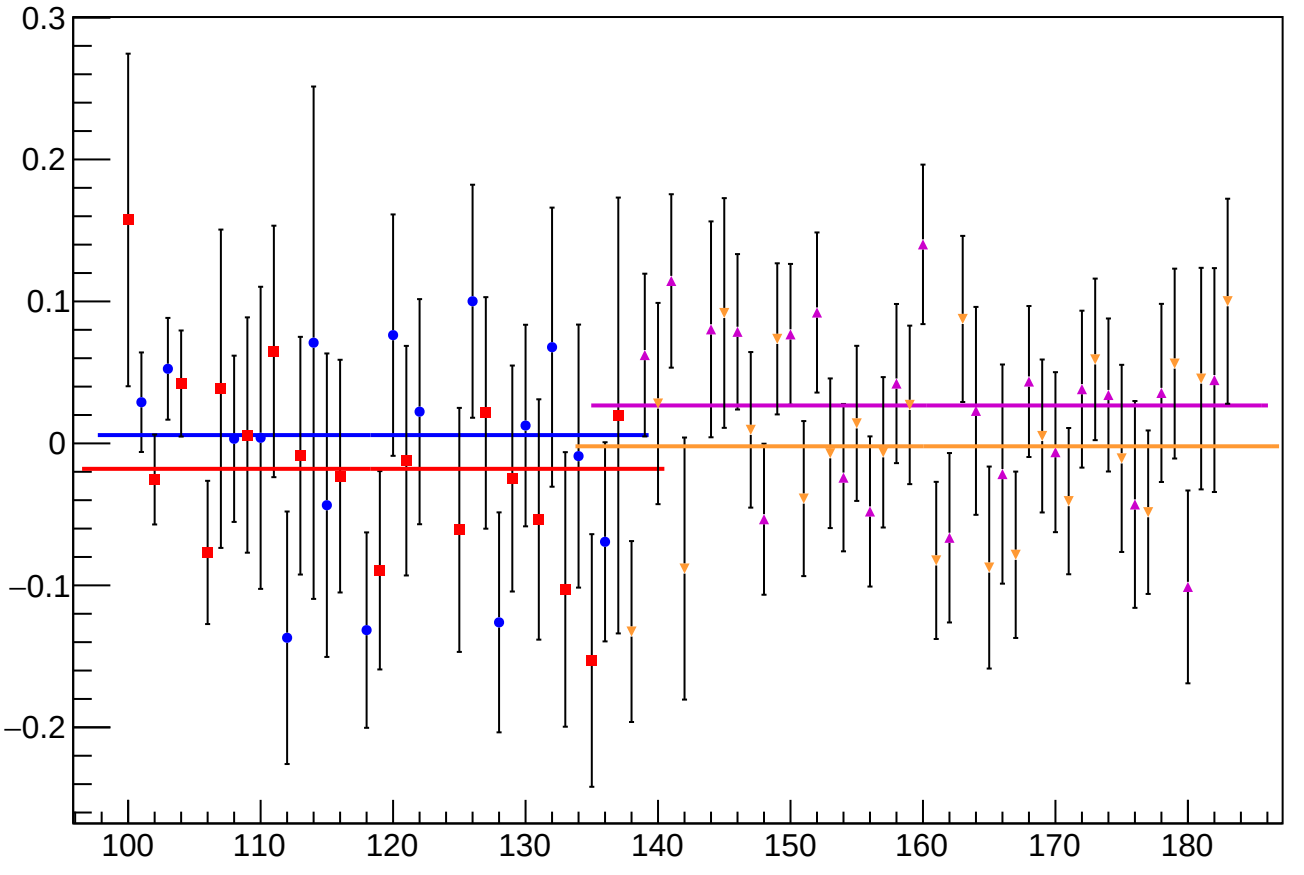
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 52.363+/-0.009 χ^2/NDF:429374.7/21

+ sign 48.399+/-0.007 χ^2/NDF: 2600604.6/38

All: 47.806+/-0.005 χ^2/NDF: 5715876.7/78

- sign 47.232+/-0.007 χ^2/NDF: 3101390.5/39



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

Left Out: -0.002+/-0.013 χ^2/NDF:22.6/22

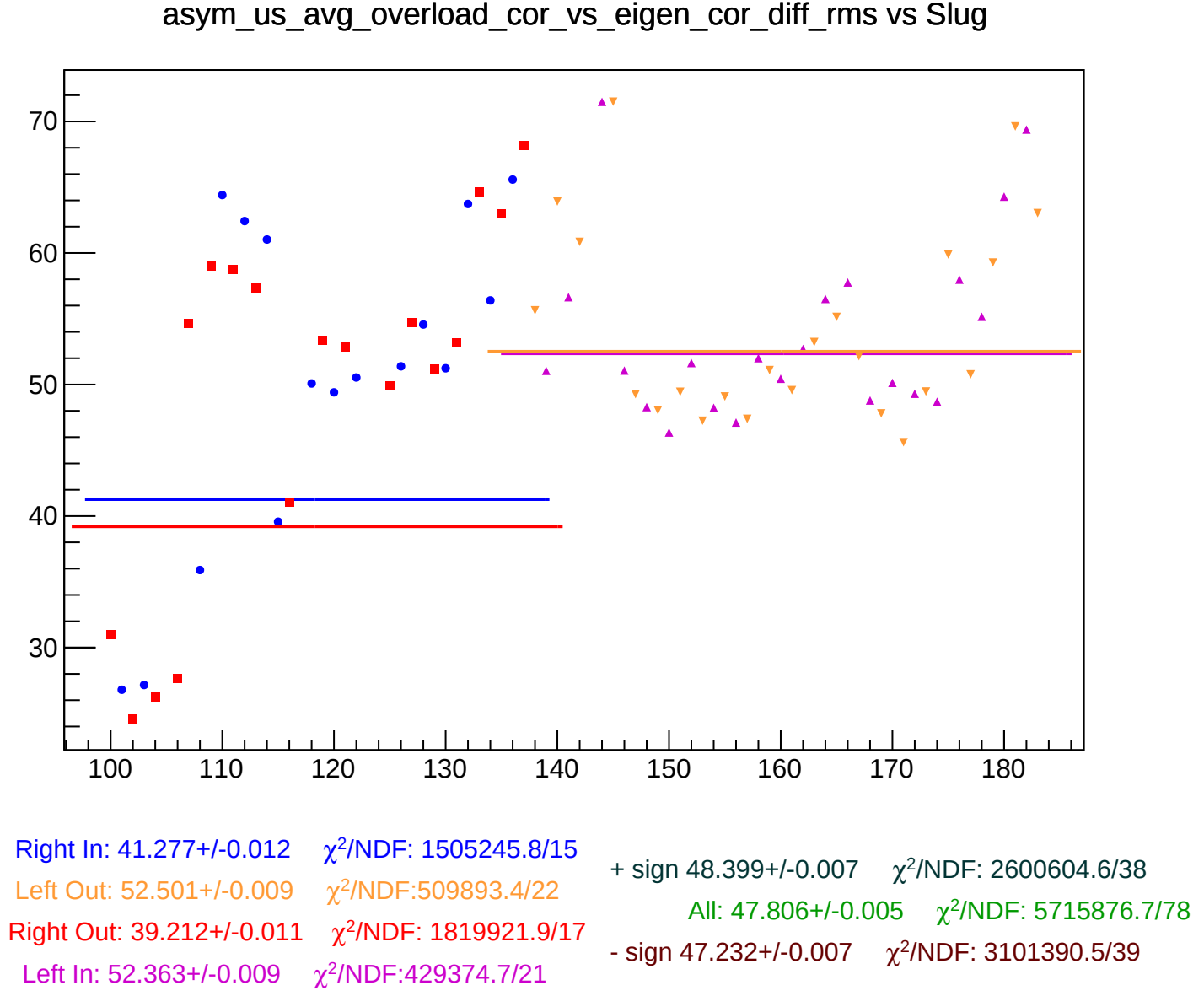
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.027+/-0.013 χ^2/NDF:23.5/21

+ sign 0.001+/-0.010 χ^2/NDF: 38.3/38

All: 0.005+/-0.007 χ^2/NDF: 79.4/78

- sign 0.009+/-0.010 χ^2/NDF: 40.7/39


asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug
70
60
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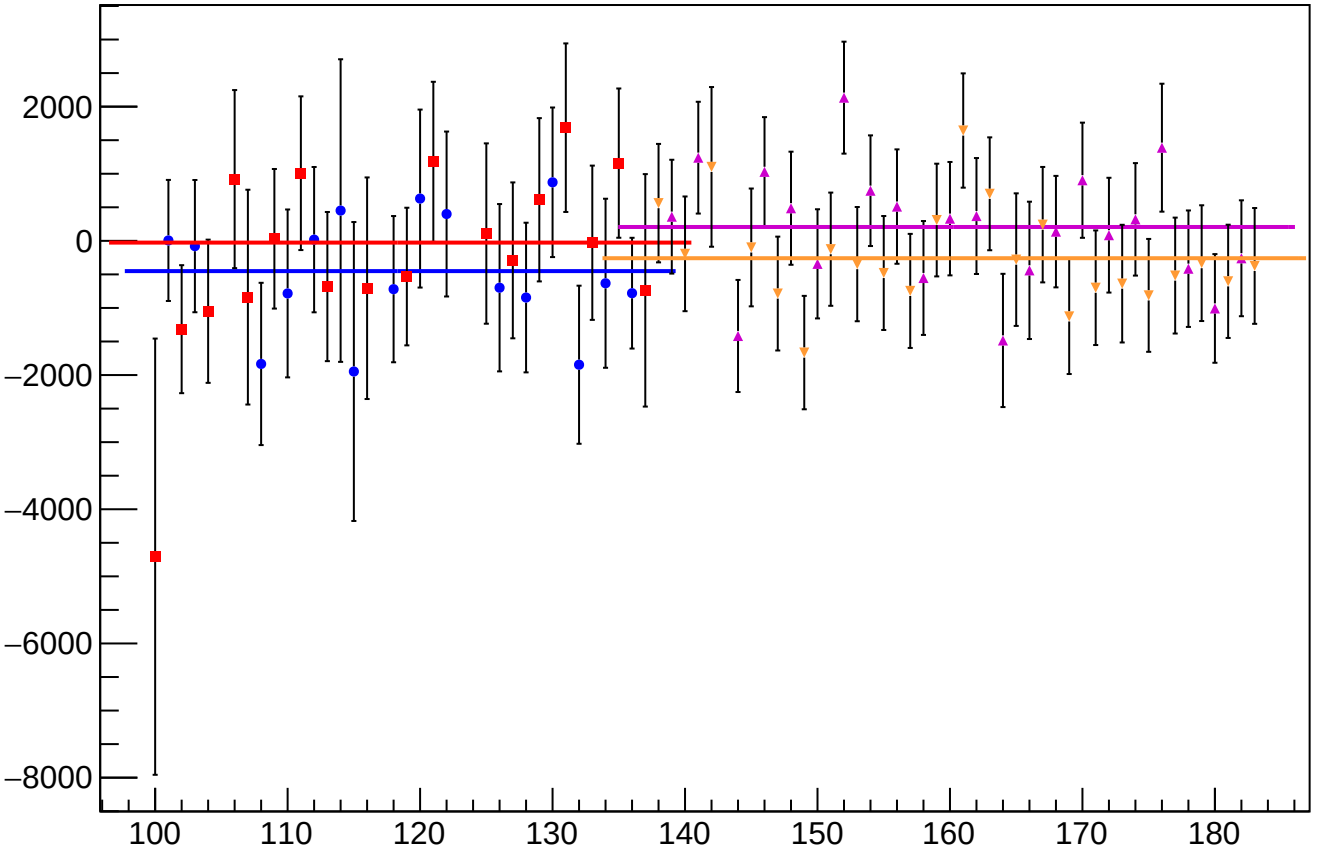
160
170
180
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 52.501+/-0.009 χ²/NDF:509893.4/22
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 52.363+/-0.009 χ²/NDF:429374.7/21
+ sign 48.399+/-0.007 χ²/NDF: 2600604.6/38
All: 47.806+/-0.005 χ²/NDF: 5715876.7/78
- sign 47.232+/-0.007 χ²/NDF: 3101390.5/39

reg_asym_us_dd_mean vs Slug



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

Left Out: -258.768+/-181.188 χ^2/NDF:15.1/22

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

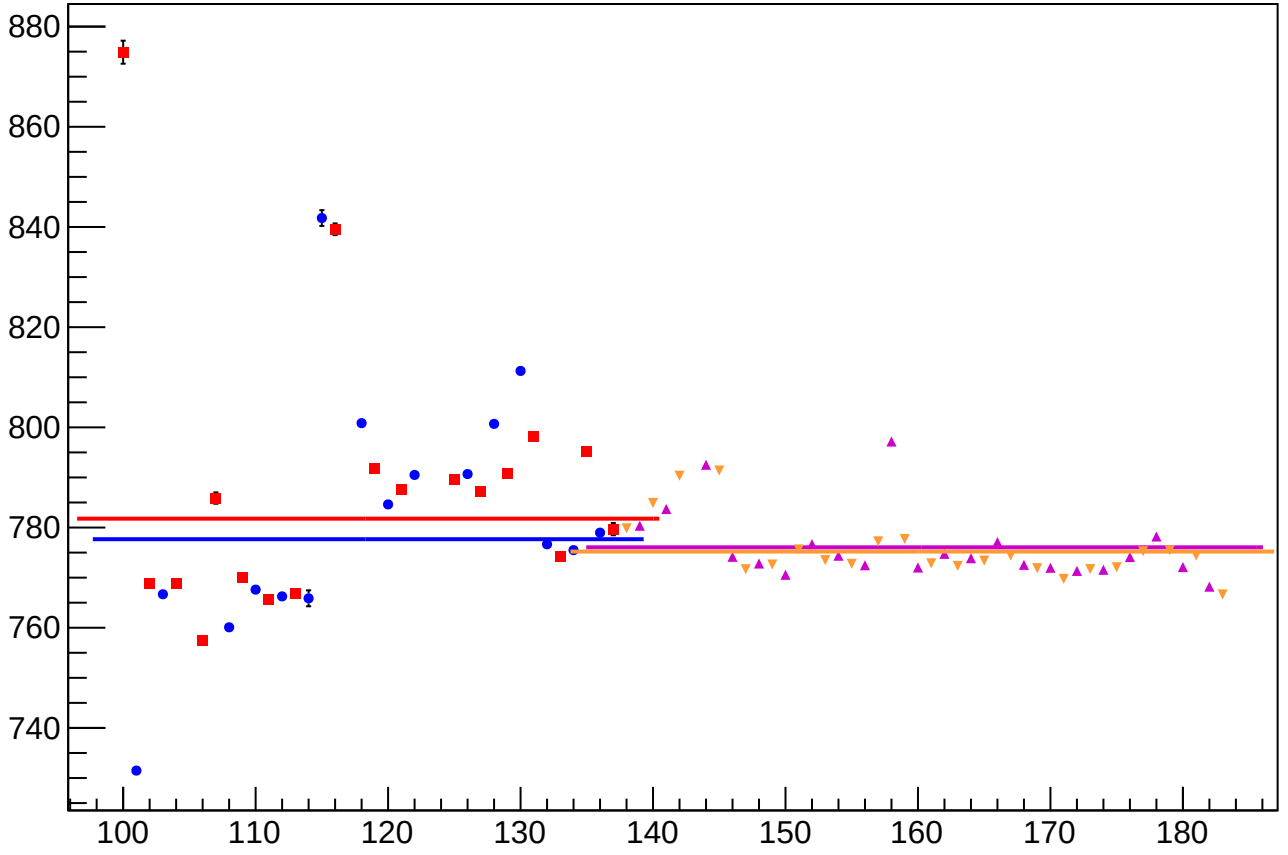
Left In: 206.656+/-182.688 χ^2/NDF:22.3/21

+ sign -313.008+/-153.505 χ^2/NDF: 22.3/38

All: -87.695+/-108.818 χ^2/NDF: 61.1/78

- sign 139.899+/-154.281 χ^2/NDF: 34.4/39

reg_asym_us_dd_rms vs Slug



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

Left Out: 775.211+/-0.128 χ^2/NDF:1841.1/22

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

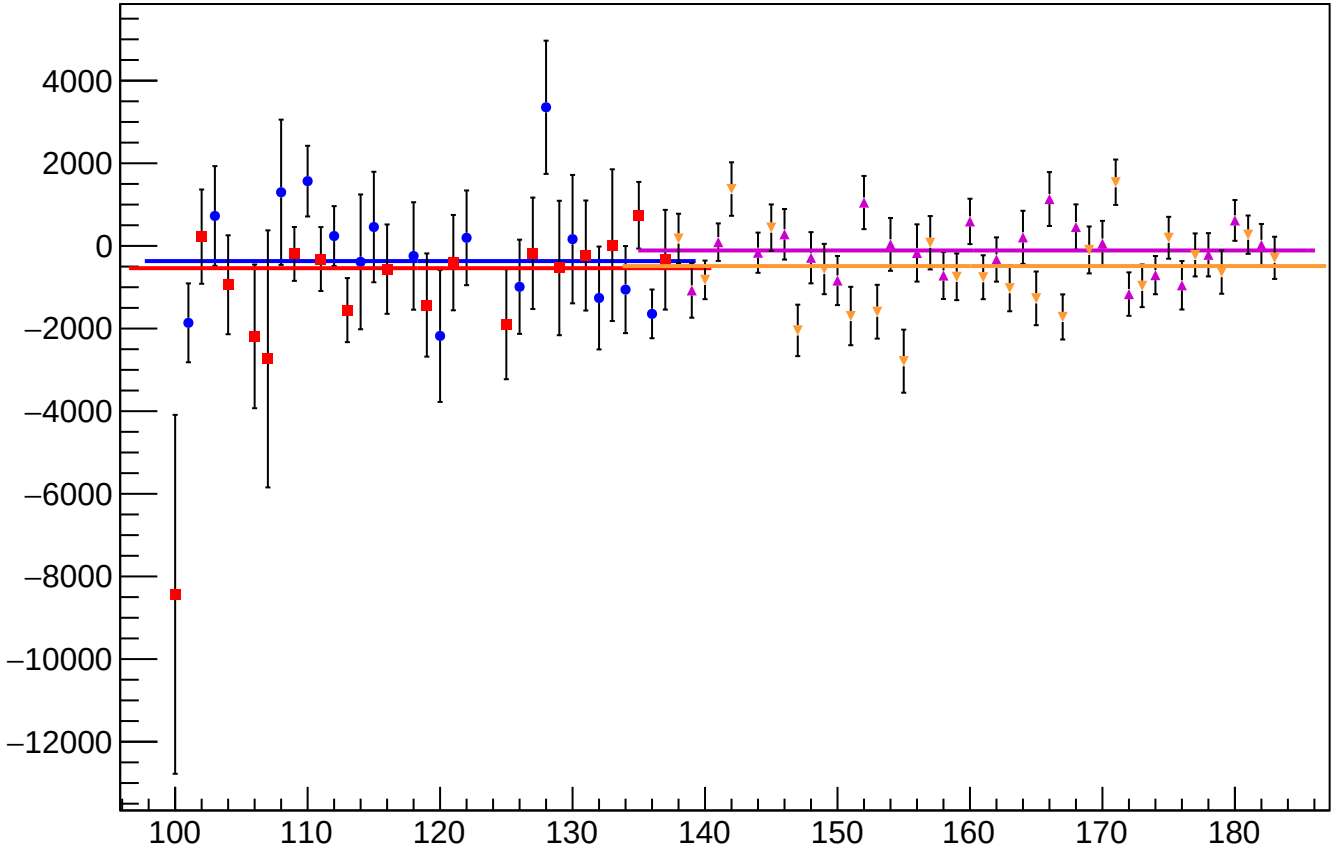
Left In: 776.056+/-0.129 χ^2/NDF:2907.6/21

\+ sign 775.906+/-0.109 χ^2/NDF: 14000.8/38

All: 776.797+/-0.077 χ^2/NDF: 25232.6/78

\- sign 777.697+/-0.109 χ^2/NDF: 11096.3/39

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -488.026+/-117.736 χ^2/NDF:62.6/22

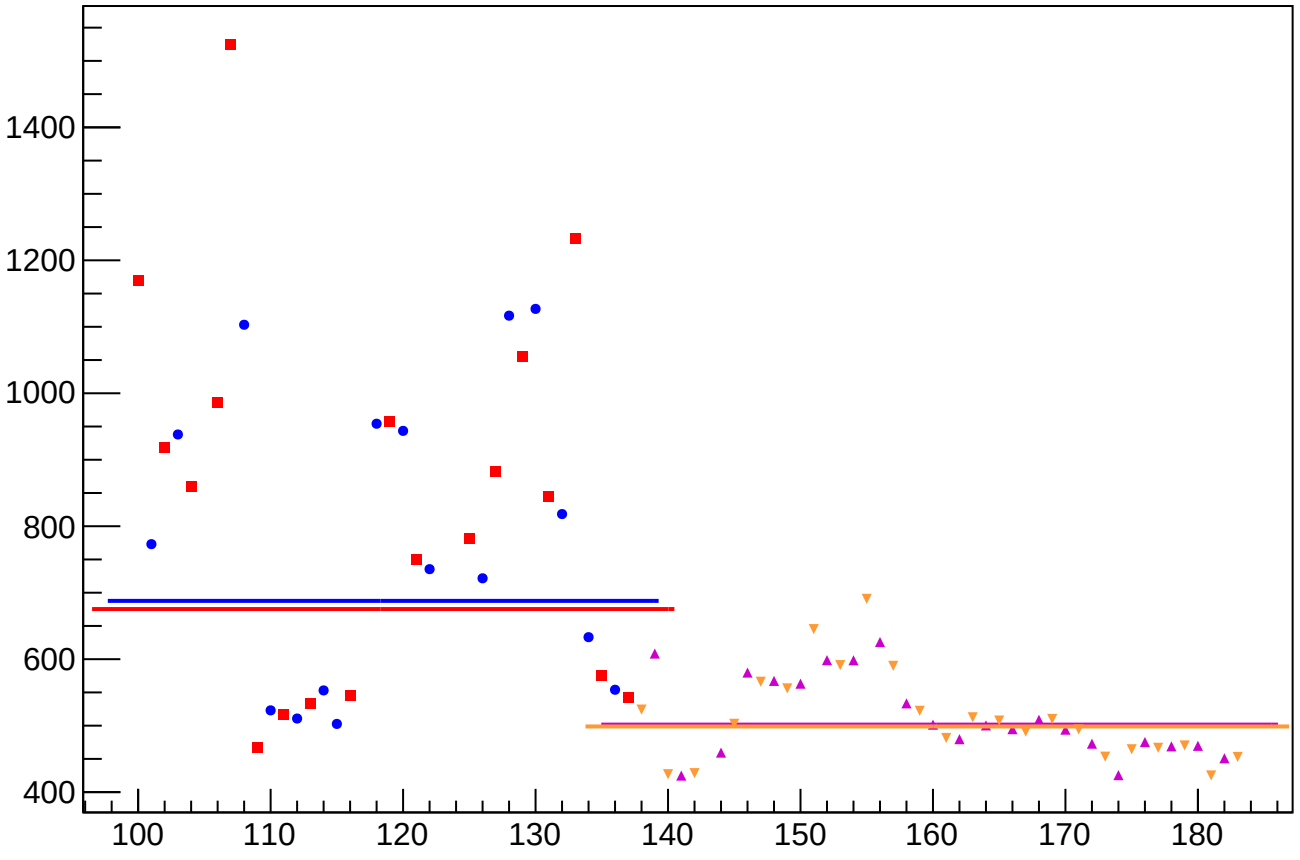
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -110.145+/-119.068 χ^2/NDF:25.7/21

+ sign -468.288+/-107.708 χ^2/NDF: 86.1/38

All: -326.698+/-76.426 χ^2/NDF: 129.1/78

- sign -183.116+/-108.463 χ^2/NDF: 39.5/39



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

Left Out: 498.793+/-0.083 χ^2/NDF:521291.4/22

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

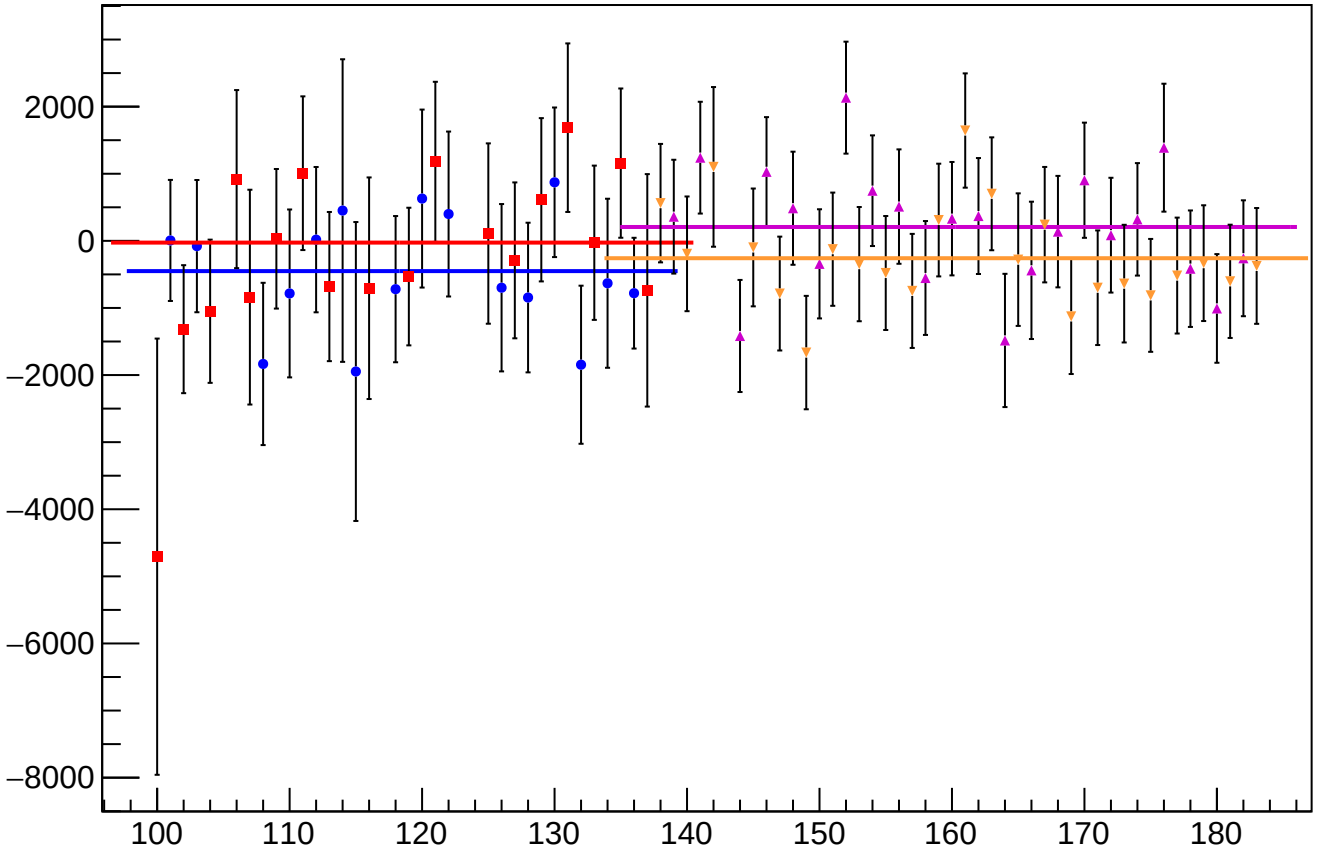
Left In: 501.553+/-0.084 χ^2/NDF:466973.7/21

+ sign 529.606+/-0.076 χ^2/NDF: 2393115.9/38

All: 530.370+/-0.054 χ^2/NDF: 4899034.9/78

- sign 531.143+/-0.077 χ^2/NDF: 2505716.8/39

cor_asym_us_dd_mean vs Slug



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

Left Out: -258.768+/-181.188 χ^2/NDF:15.1/22

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

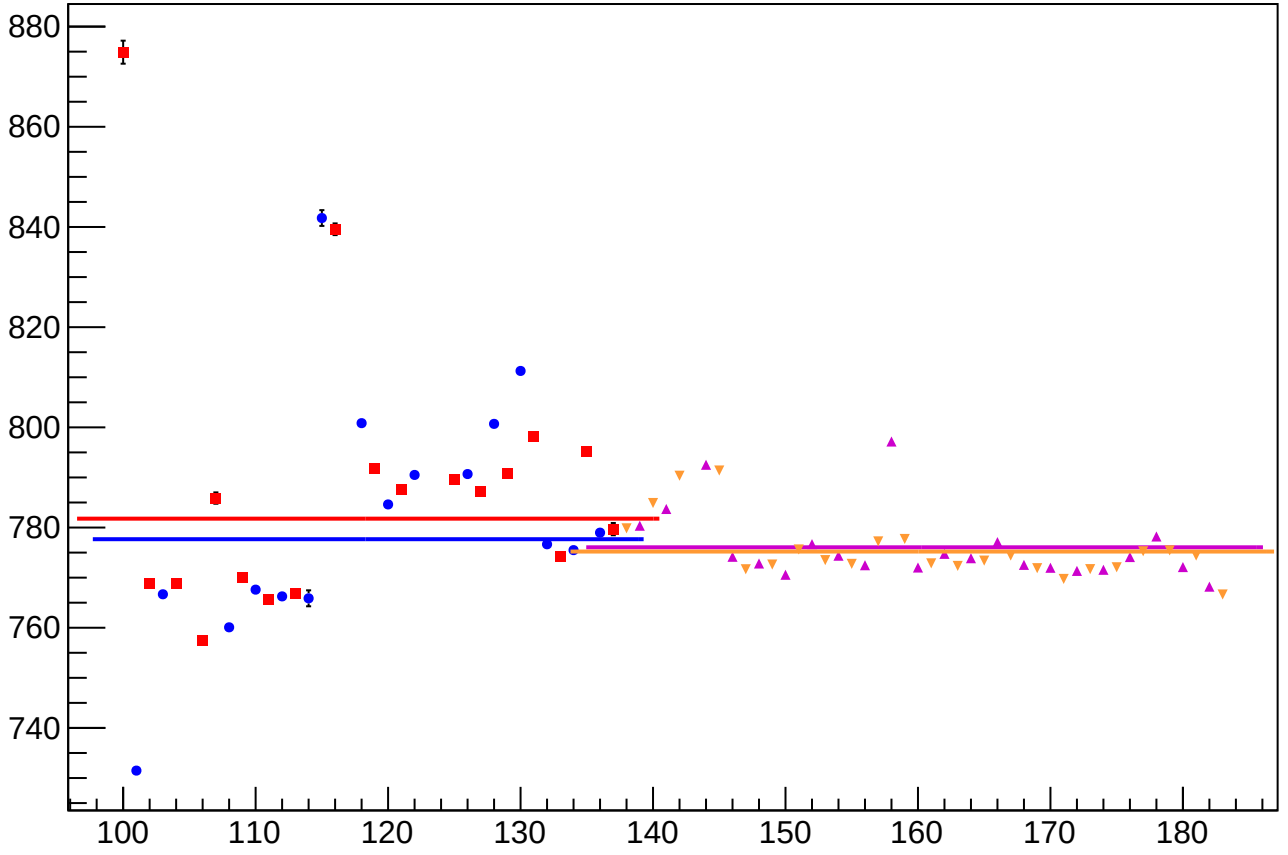
Left In: 206.656+/-182.688 χ^2/NDF:22.3/21

+ sign -313.008+/-153.505 χ^2/NDF: 22.3/38

All: -87.695+/-108.818 χ^2/NDF: 61.1/78

- sign 139.899+/-154.281 χ^2/NDF: 34.4/39

cor_asym_us_dd_rms vs Slug



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

Left Out: 775.211+/-0.128 χ^2/NDF:1841.1/22

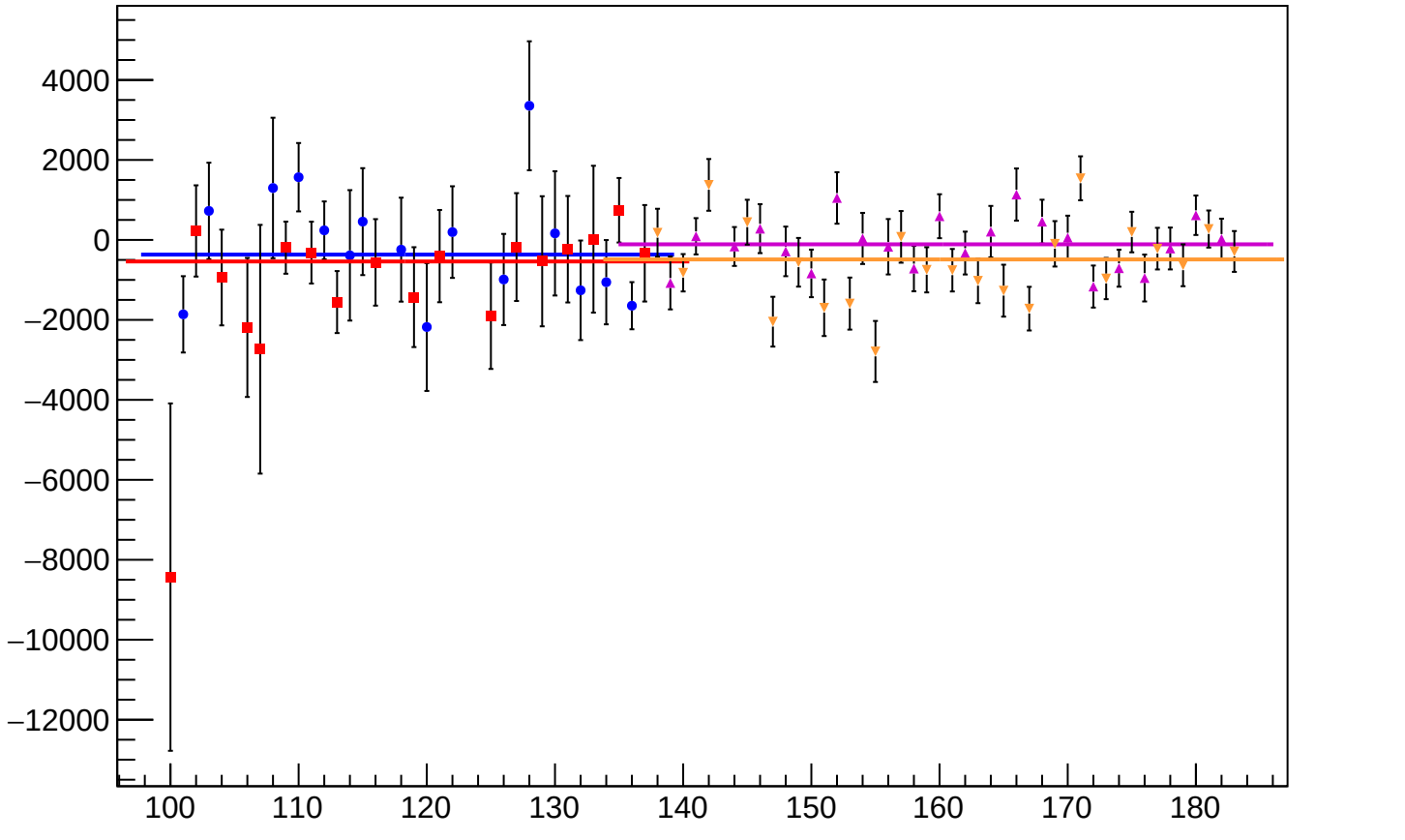
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.056+/-0.129 χ^2/NDF:2907.6/21

\+ sign 775.906+/-0.109 χ^2/NDF: 14000.8/38

All: 776.797+/-0.077 χ^2/NDF: 25232.6/78

\- sign 777.697+/-0.109 χ^2/NDF: 11096.3/39



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

Left Out: -488.026+/-117.736 χ^2/NDF:62.6/22

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

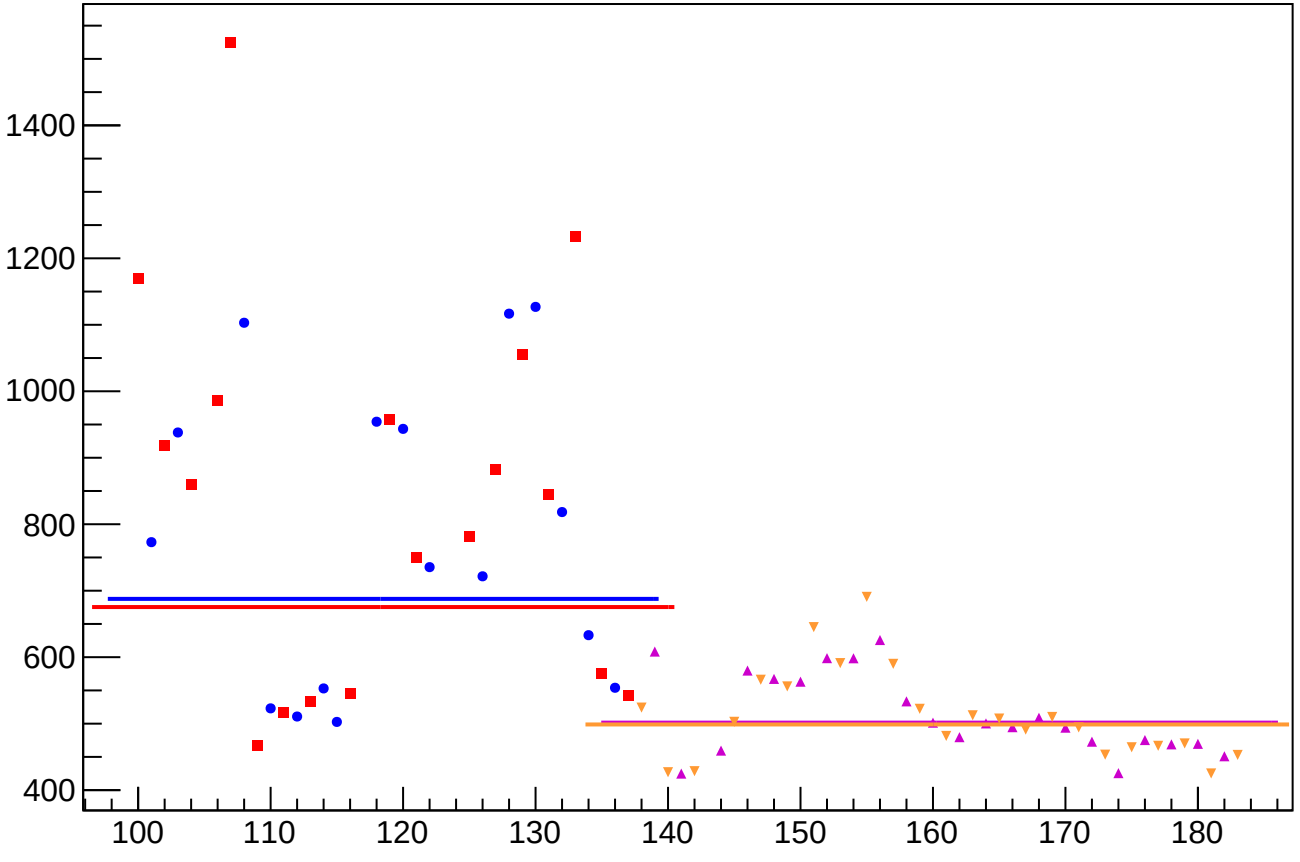
Left In: -110.145+/-119.068 χ^2/NDF:25.7/21

\+ sign -468.288+/-107.708 χ^2/NDF: 86.1/38

All: -326.698+/-76.426 χ^2/NDF: 129.1/78

\- sign -183.116+/-108.463 χ^2/NDF: 39.5/39

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 498.793+/-0.083 χ^2/NDF:521291.4/22

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

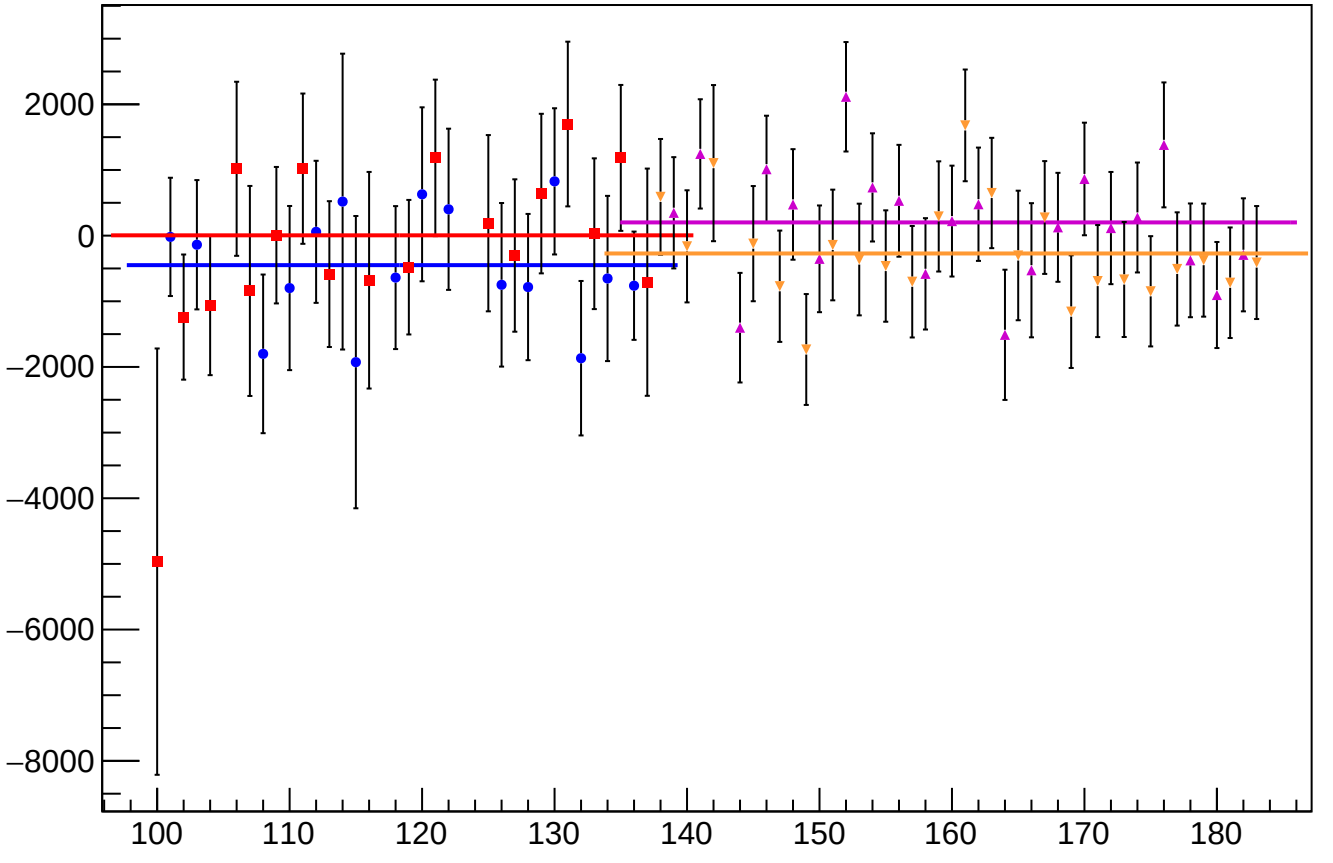
Left In: 501.553+/-0.084 χ^2/NDF:466973.7/21

+ sign 529.606+/-0.076 χ^2/NDF: 2393115.9/38

All: 530.370+/-0.054 χ^2/NDF: 4899034.9/78

- sign 531.143+/-0.077 χ^2/NDF: 2505716.8/39

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -271.691+/-180.976 χ^2/NDF:15.7/22

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

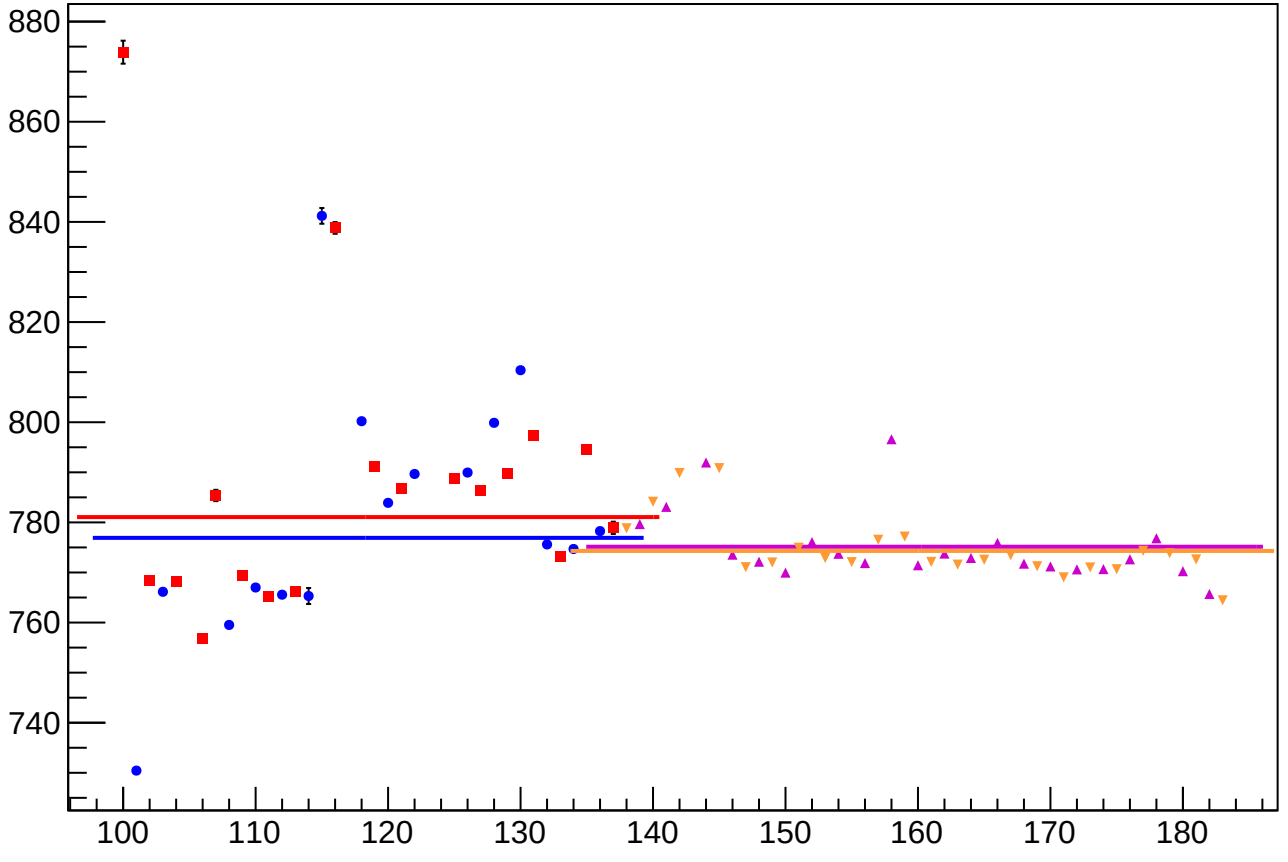
Left In: 201.286+/-182.473 χ^2/NDF:21.9/21

+ sign -321.840+/-153.334 χ^2/NDF: 22.8/38

All: -89.646+/-108.697 χ^2/NDF: 61.5/78

- sign 144.907+/-154.111 χ^2/NDF: 34.1/39

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 774.301+/-0.128 χ^2/NDF:1953.0/22

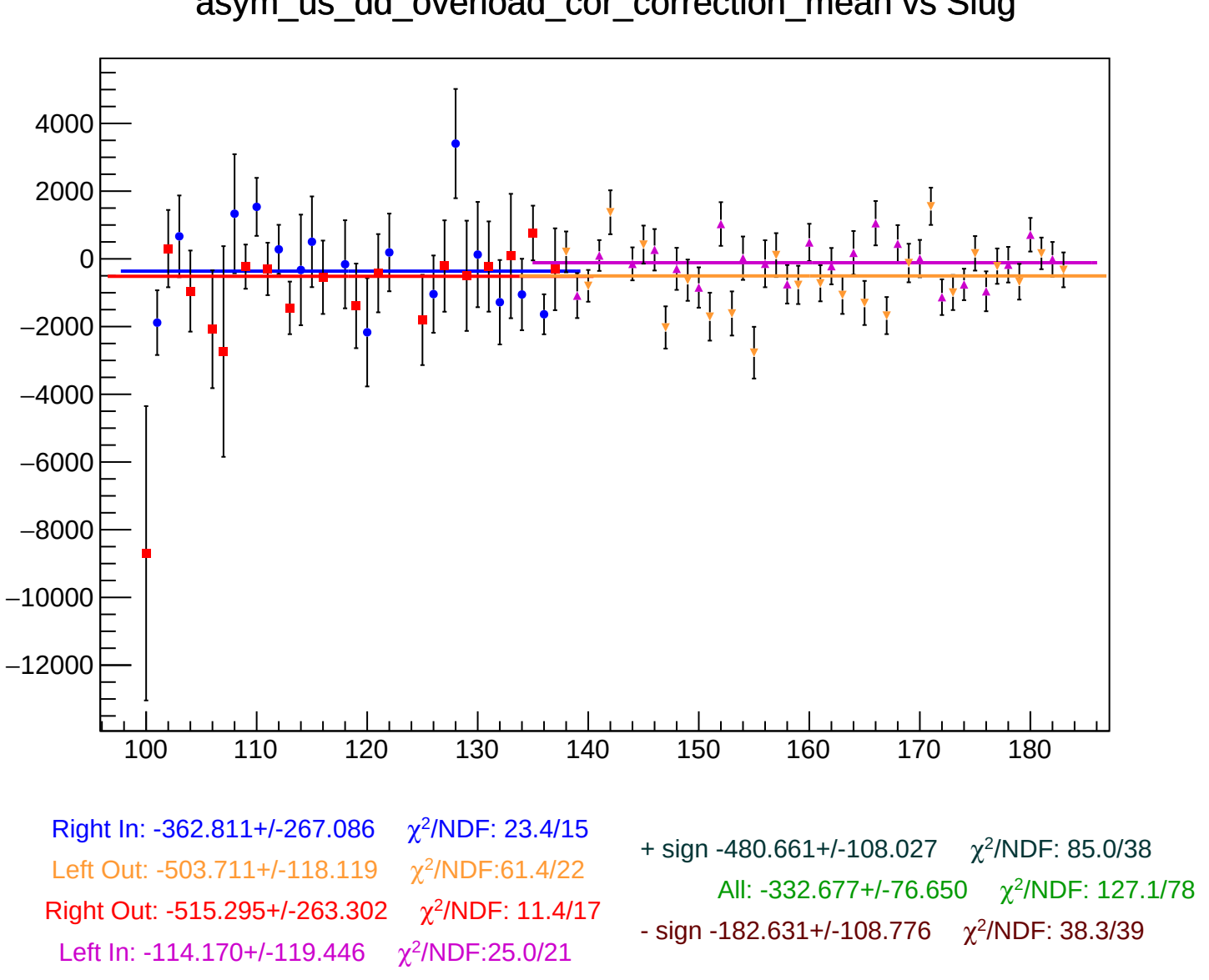
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

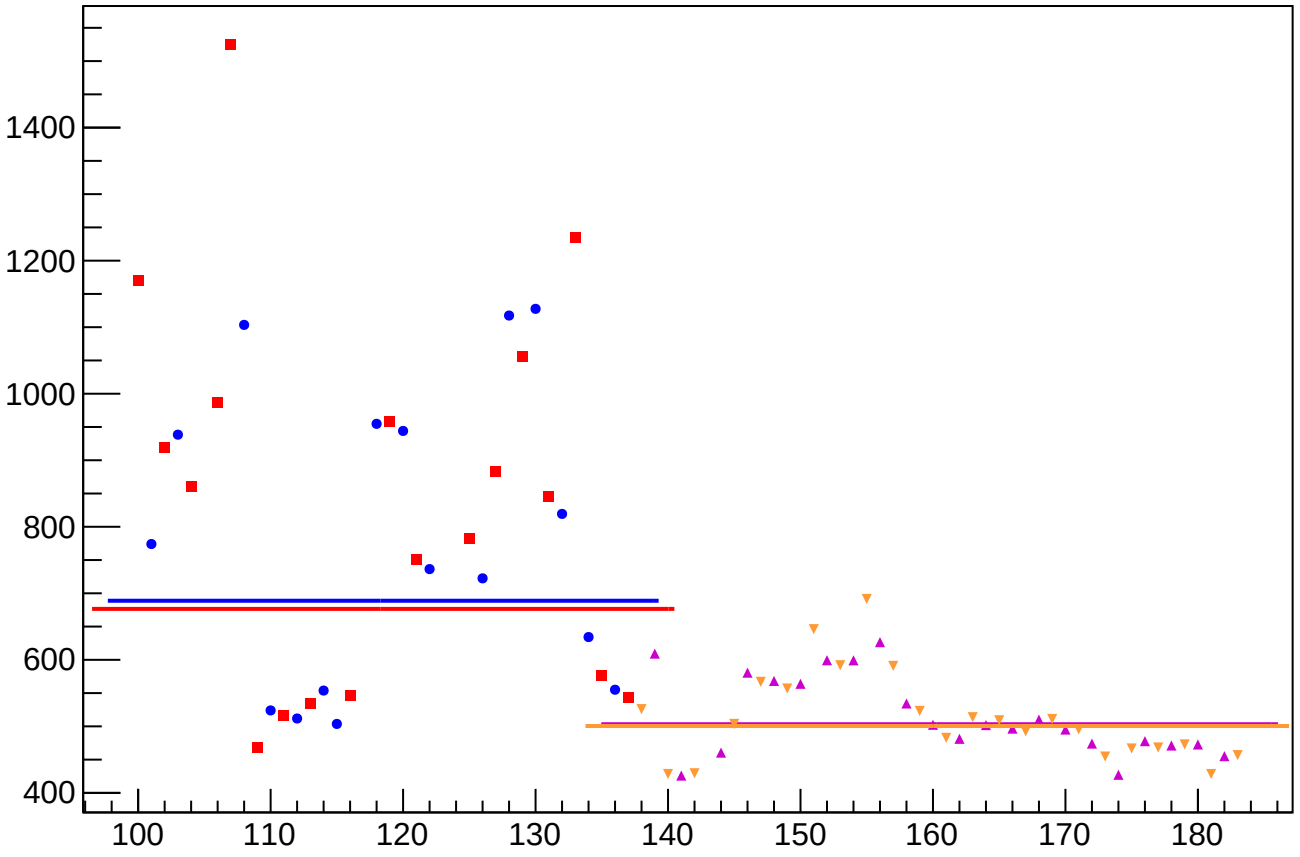
Left In: 775.143+/-0.129 χ^2/NDF:3063.2/21

+ sign 775.038+/-0.108 χ^2/NDF: 14194.2/38

All: 775.934+/-0.077 χ^2/NDF: 25583.7/78

- sign 776.840+/-0.109 χ^2/NDF: 11252.2/39


asym_us_dd_overload_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -362.811+/-267.086 χ²/NDF: 23.4/15
Left Out: -503.711+/-118.119 χ²/NDF:61.4/22
Right Out: -515.295+/-263.302 χ²/NDF: 11.4/17
Left In: -114.170+/-119.446 χ²/NDF:25.0/21
+ sign -480.661+/-108.027 χ²/NDF: 85.0/38
All: -332.677+/-76.650 χ²/NDF: 127.1/78
- sign -182.631+/-108.776 χ²/NDF: 38.3/39



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

Left Out: 500.505+/-0.084 χ^2/NDF:510547.3/22

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

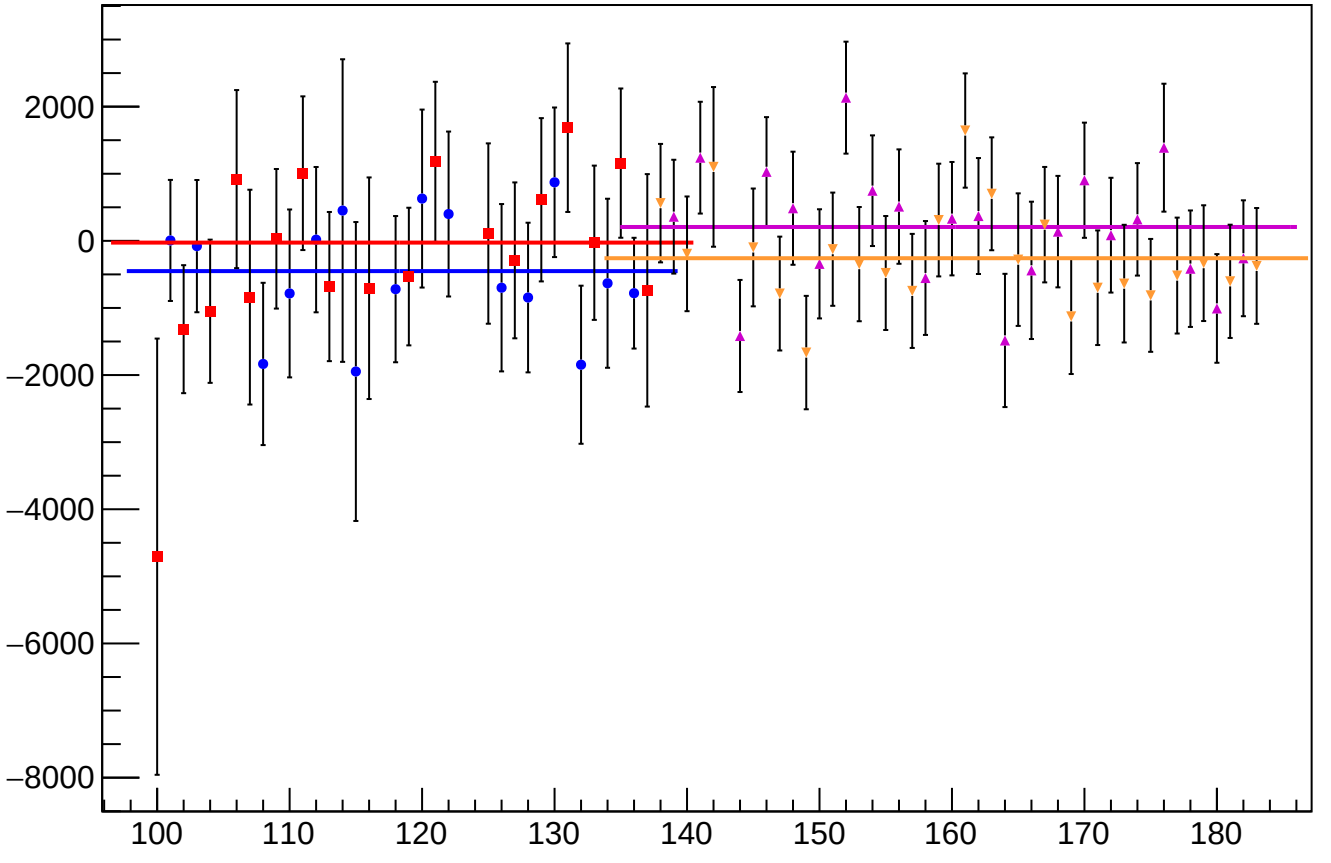
Left In: 503.221+/-0.084 χ^2/NDF:457842.8/21

+ sign 531.313+/-0.076 χ^2/NDF: 2370348.1/38

All: 532.055+/-0.054 χ^2/NDF: 4855367.2/78

- sign 532.808+/-0.077 χ^2/NDF: 2484829.1/39

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -258.768+/-181.188 χ^2/NDF:15.1/22

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

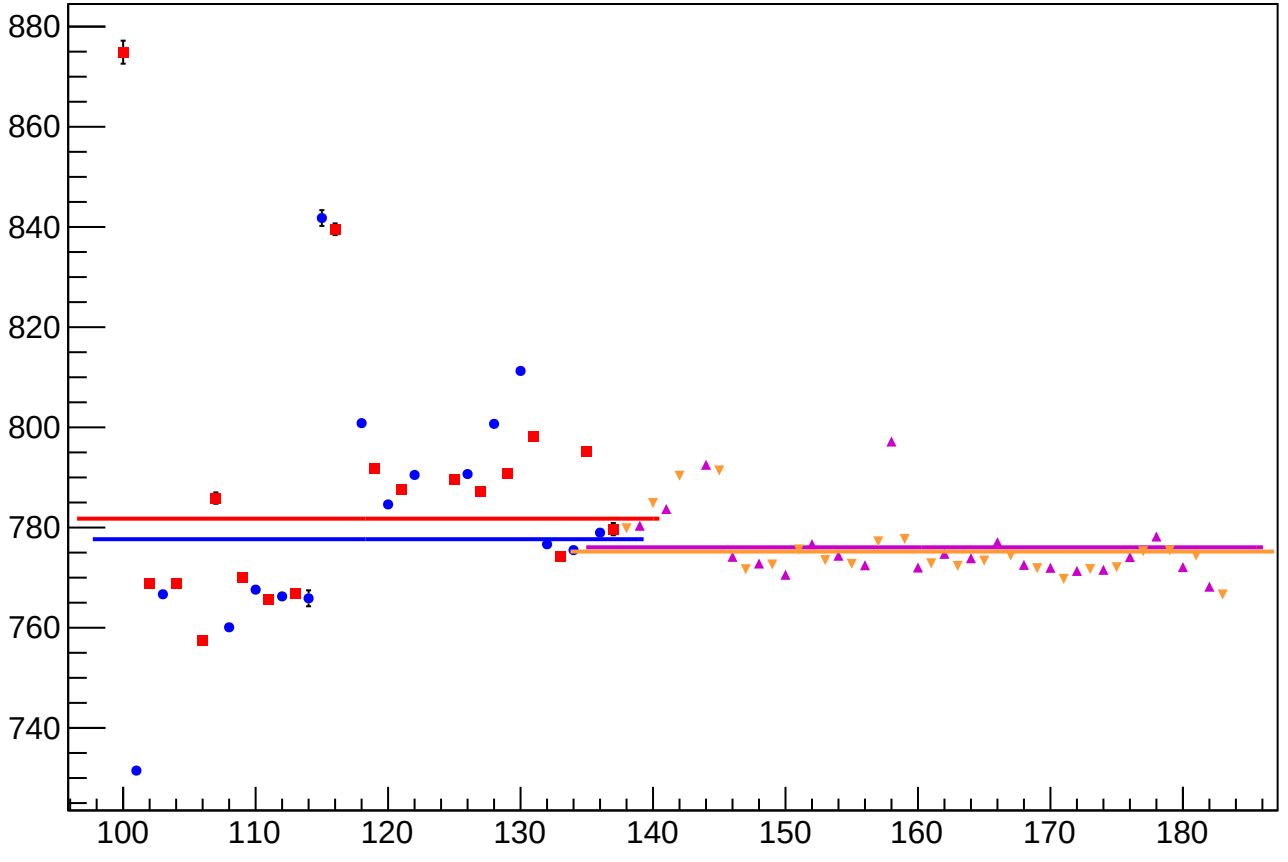
Left In: 206.656+/-182.688 χ^2/NDF:22.3/21

+ sign -313.008+/-153.505 χ^2/NDF: 22.3/38

All: -87.695+/-108.818 χ^2/NDF: 61.1/78

- sign 139.899+/-154.281 χ^2/NDF: 34.4/39

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 775.211+/-0.128 χ^2/NDF:1841.1/22

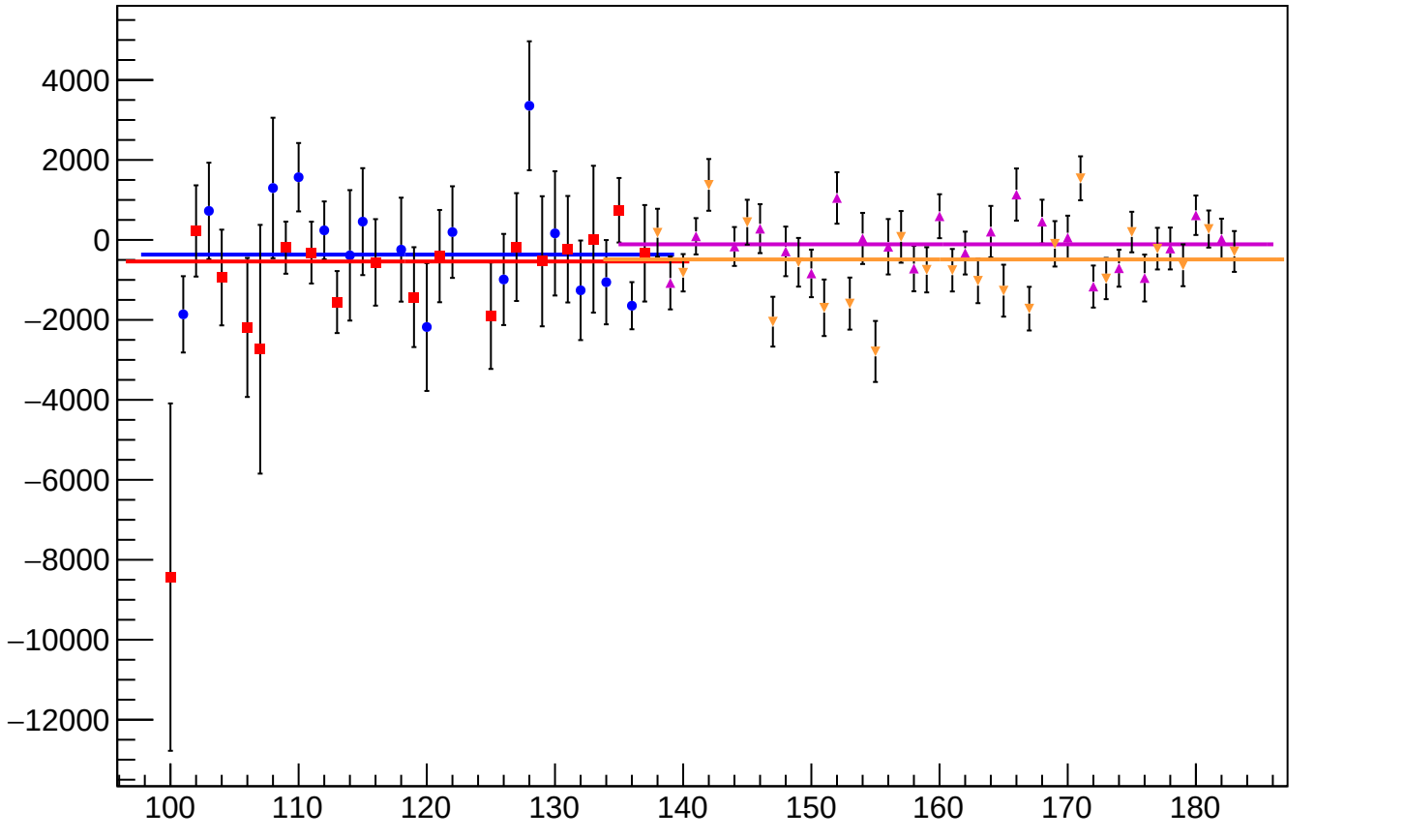
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.056+/-0.129 χ^2/NDF:2907.6/21

+ sign 775.906+/-0.109 χ^2/NDF: 14000.8/38

All: 776.797+/-0.077 χ^2/NDF: 25232.6/78

- sign 777.697+/-0.109 χ^2/NDF: 11096.3/39



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

Left Out: -488.026+/-117.736 χ^2/NDF:62.6/22

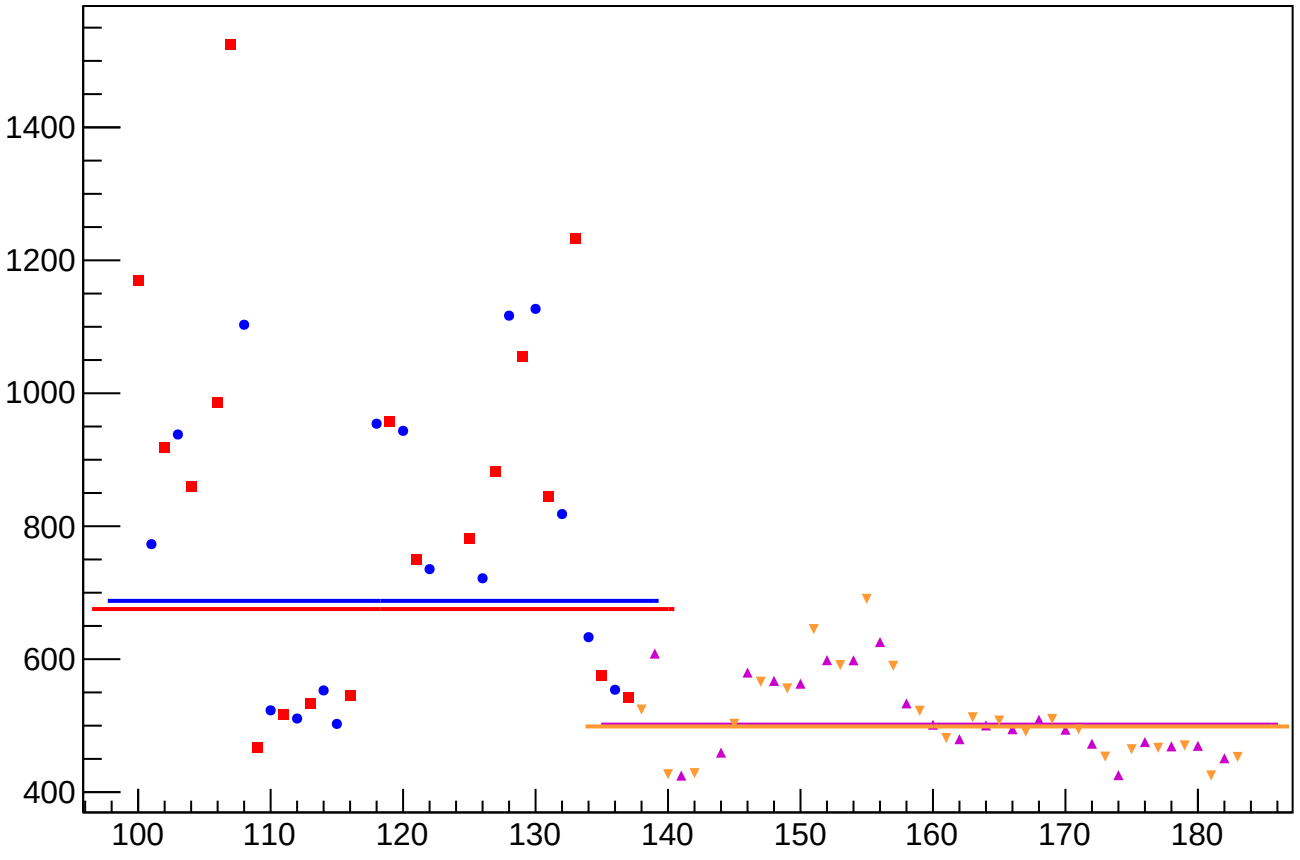
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -110.145+/-119.068 χ^2/NDF:25.7/21

\+ sign -468.288+/-107.708 χ^2/NDF: 86.1/38

All: -326.698+/-76.426 χ^2/NDF: 129.1/78

\- sign -183.116+/-108.463 χ^2/NDF: 39.5/39



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

Left Out: 498.793+/-0.083 χ^2/NDF:521291.4/22

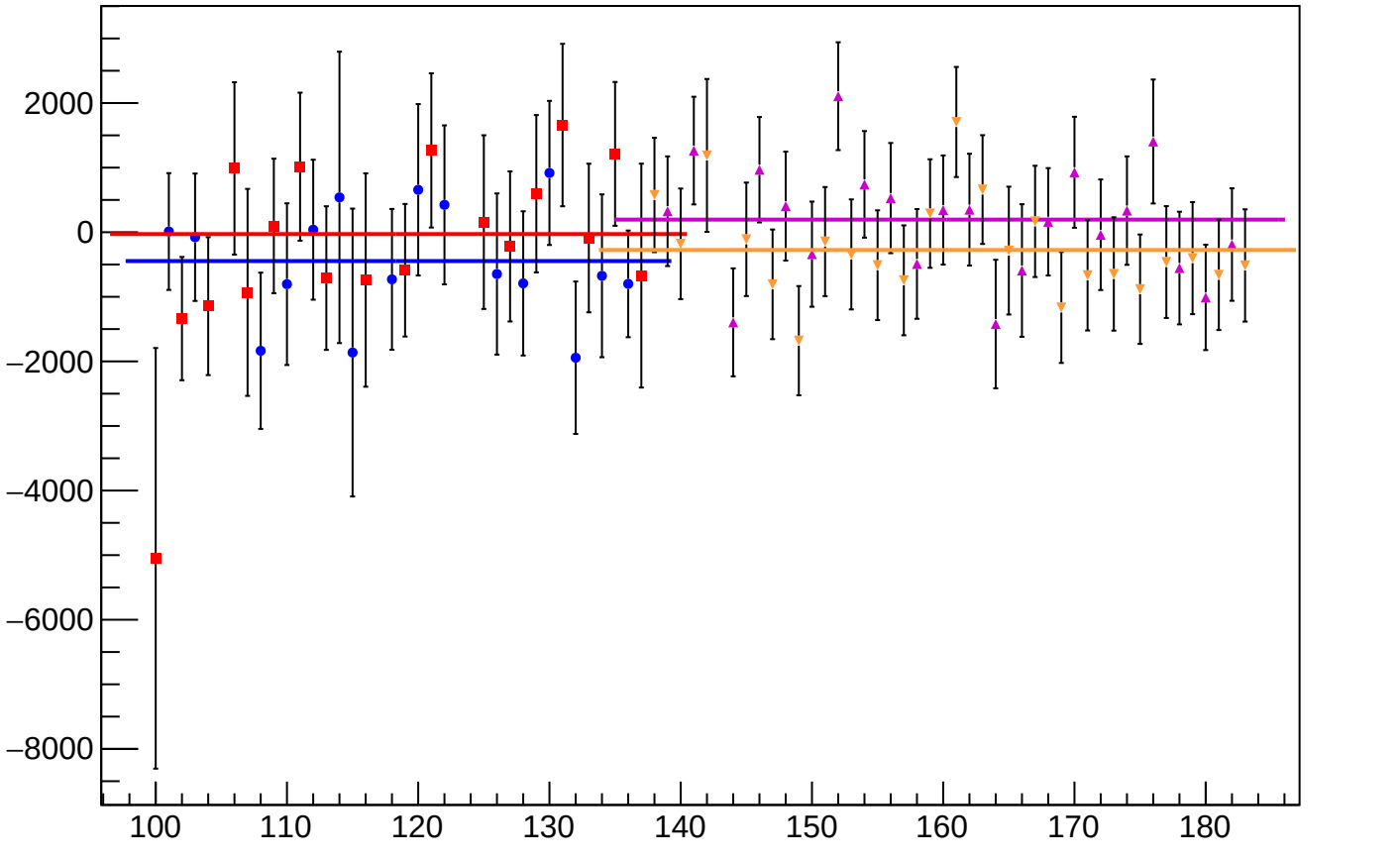
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 501.553+/-0.084 χ^2/NDF:466973.7/21

+ sign 529.606+/-0.076 χ^2/NDF: 2393115.9/38

All: 530.370+/-0.054 χ^2/NDF: 4899034.9/78

- sign 531.143+/-0.077 χ^2/NDF: 2505716.8/39



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

Left Out: -275.471+/-181.595 χ^2/NDF:15.7/22

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

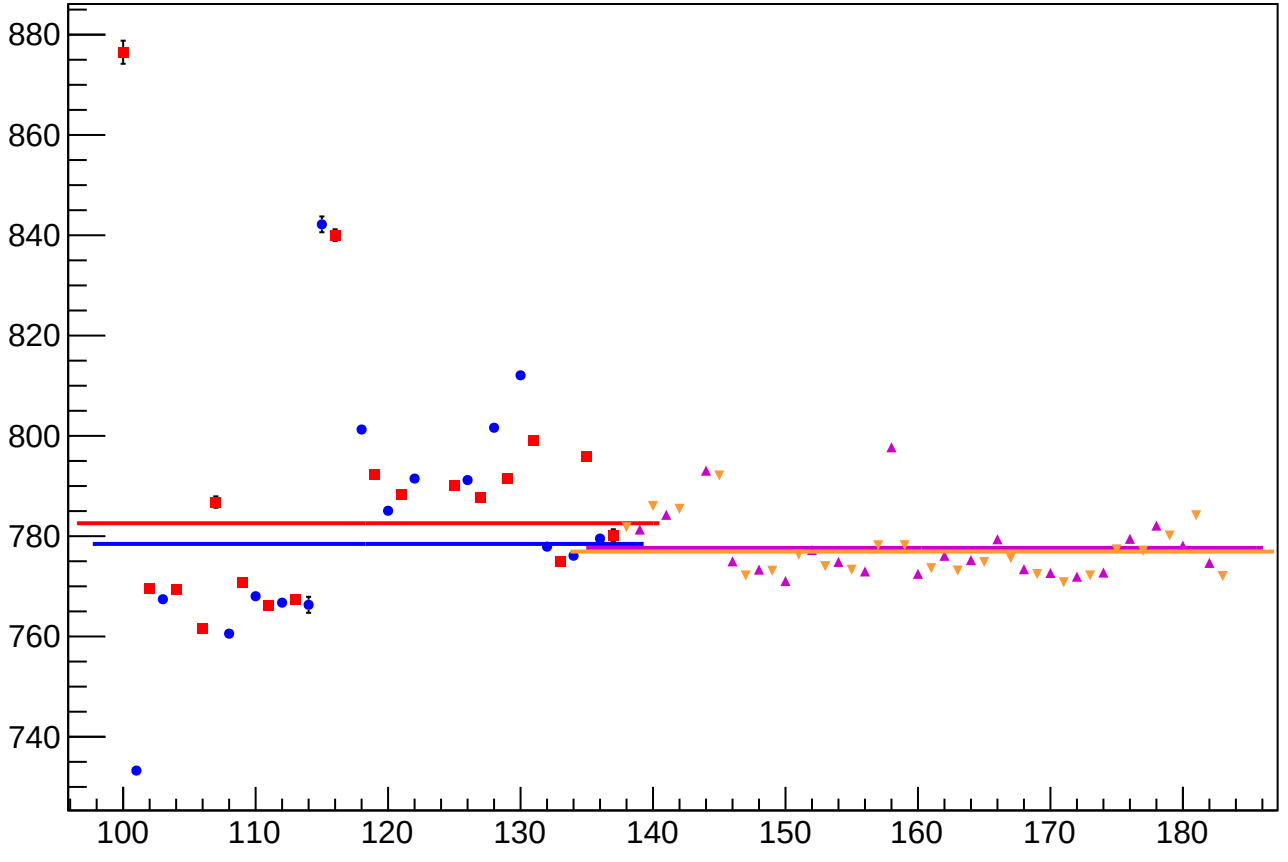
Left In: 195.150+/-183.065 χ^2/NDF:22.0/21

+ sign -323.871+/-153.796 χ^2/NDF: 23.3/38

All: -97.640+/-109.017 χ^2/NDF: 62.7/78

- sign 130.826+/-154.553 χ^2/NDF: 35.0/39

dit_asym_us_dd_rms vs Slug



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

Left Out: 776.929+/-0.128 χ^2/NDF:1692.5/22

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

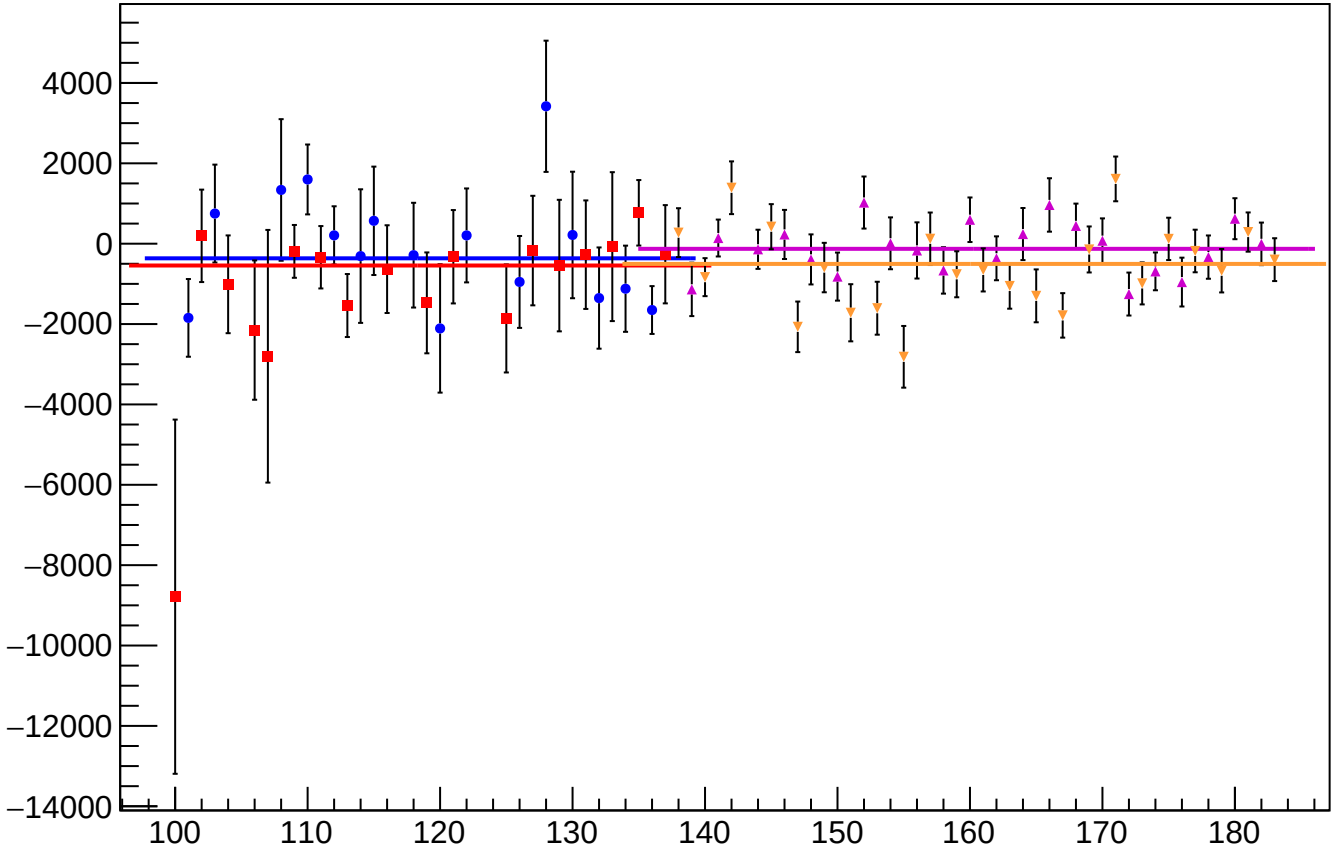
Left In: 777.659+/-0.129 χ^2/NDF:2707.8/21

+ sign 777.361+/-0.109 χ^2/NDF: 13527.7/38

All: 778.212+/-0.077 χ^2/NDF: 24254.3/78

- sign 779.071+/-0.109 χ^2/NDF: 10603.6/39

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -503.456+/-119.836 χ^2/NDF:63.4/22

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

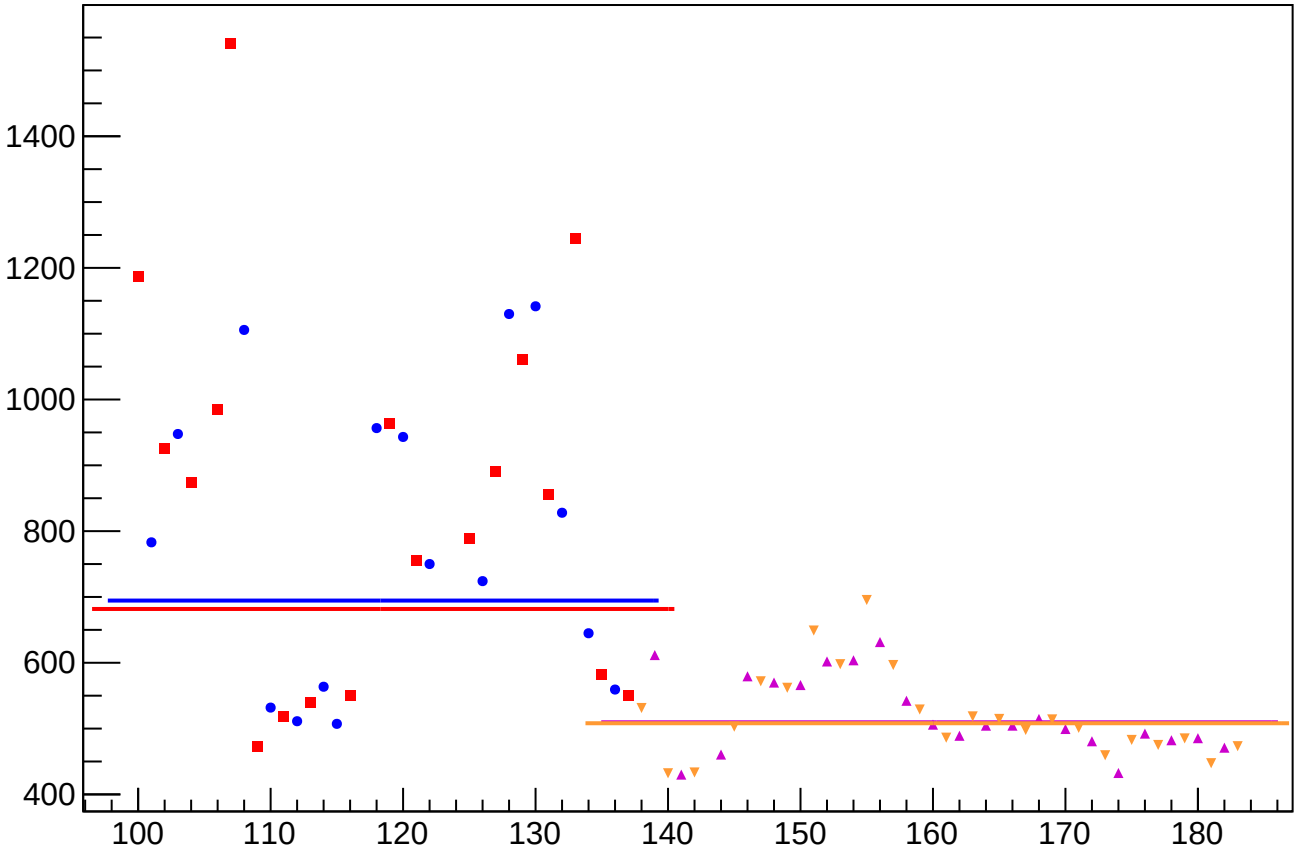
Left In: -127.903+/-120.894 χ^2/NDF:24.7/21

+ sign -480.404+/-109.487 χ^2/NDF: 86.9/38

All: -340.504+/-77.602 χ^2/NDF: 128.7/78

- sign -199.268+/-110.008 χ^2/NDF: 38.5/39

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 508.114+/-0.085 χ^2/NDF:468841.1/22

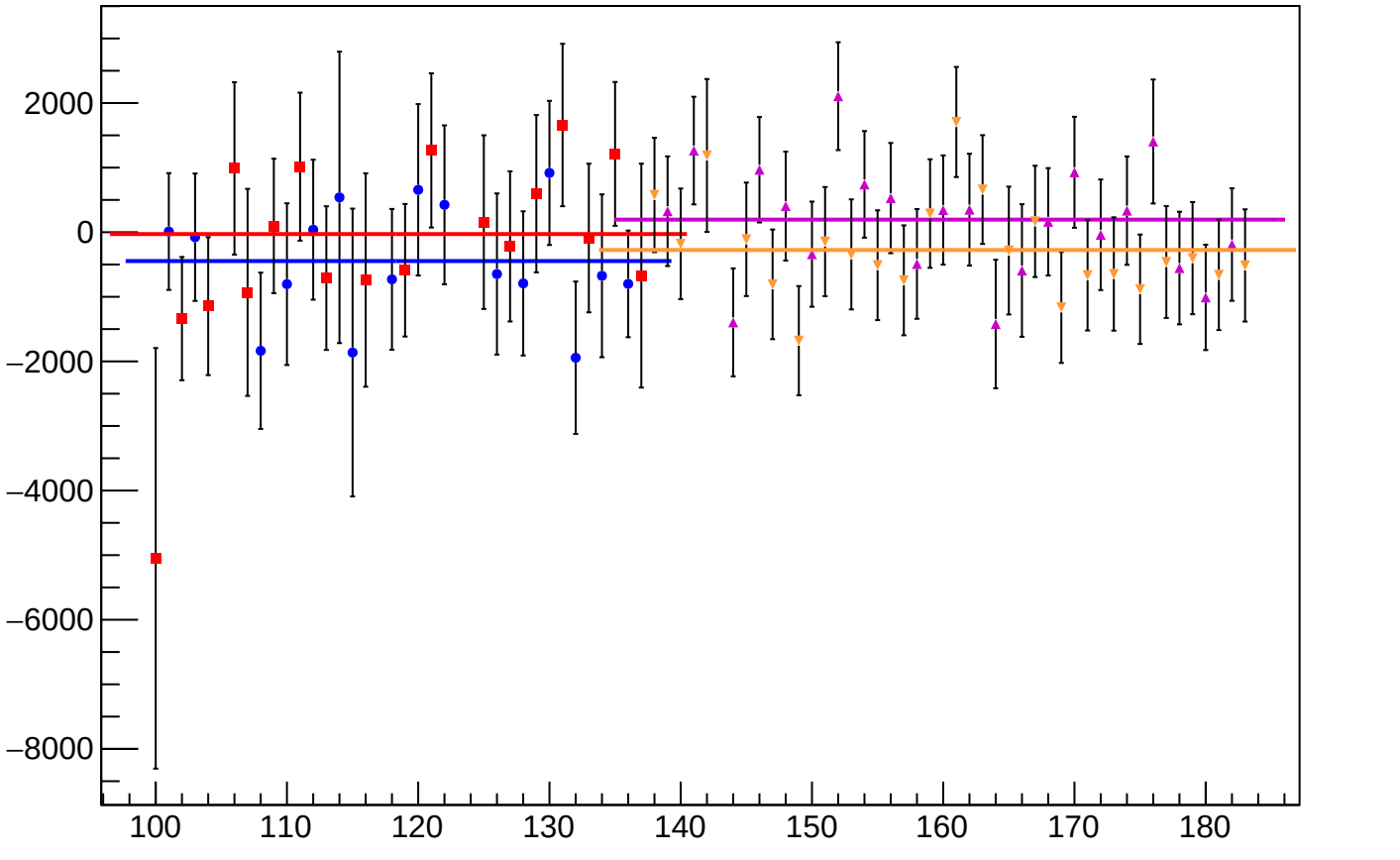
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 509.614+/-0.085 χ^2/NDF:425941.0/21

\+ sign 538.922+/-0.077 χ^2/NDF: 2298528.3/38

All: 539.068+/-0.055 χ^2/NDF: 4733062.8/78

\- sign 539.216+/-0.078 χ^2/NDF: 2434527.4/39



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

Left Out: -275.472+/-181.595 χ^2/NDF:15.7/22

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

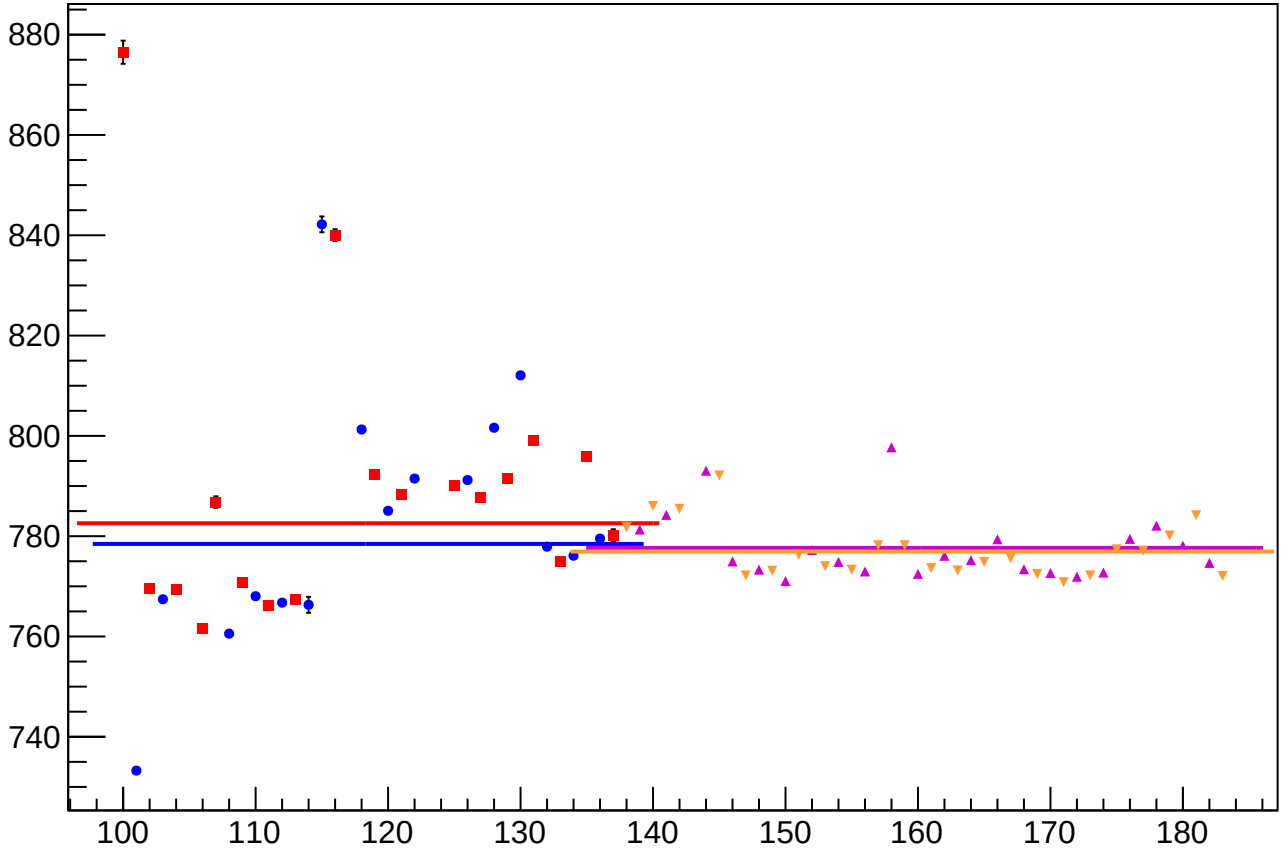
Left In: 195.149+/-183.065 χ^2/NDF:22.0/21

+ sign -323.872+/-153.796 χ^2/NDF: 23.3/38

All: -97.640+/-109.017 χ^2/NDF: 62.7/78

- sign 130.826+/-154.553 χ^2/NDF: 35.0/39

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 776.929+/-0.128 χ^2/NDF:1692.5/22

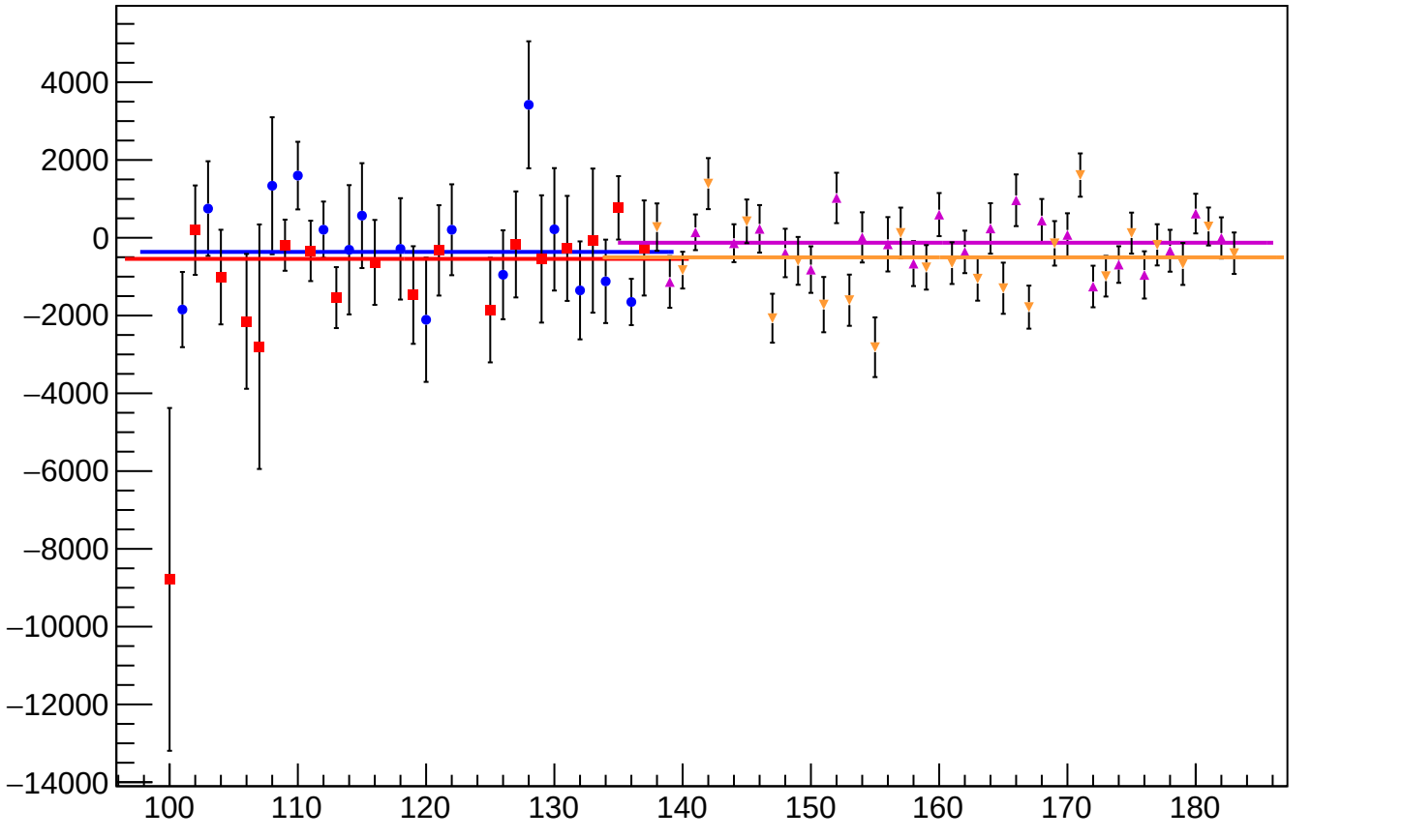
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.659+/-0.129 χ^2/NDF:2707.8/21

+ sign 777.361+/-0.109 χ^2/NDF: 13527.6/38

All: 778.212+/-0.077 χ^2/NDF: 24254.2/78

- sign 779.071+/-0.109 χ^2/NDF: 10603.5/39



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

Left Out: -503.456+/-119.836 χ^2/NDF:63.4/22

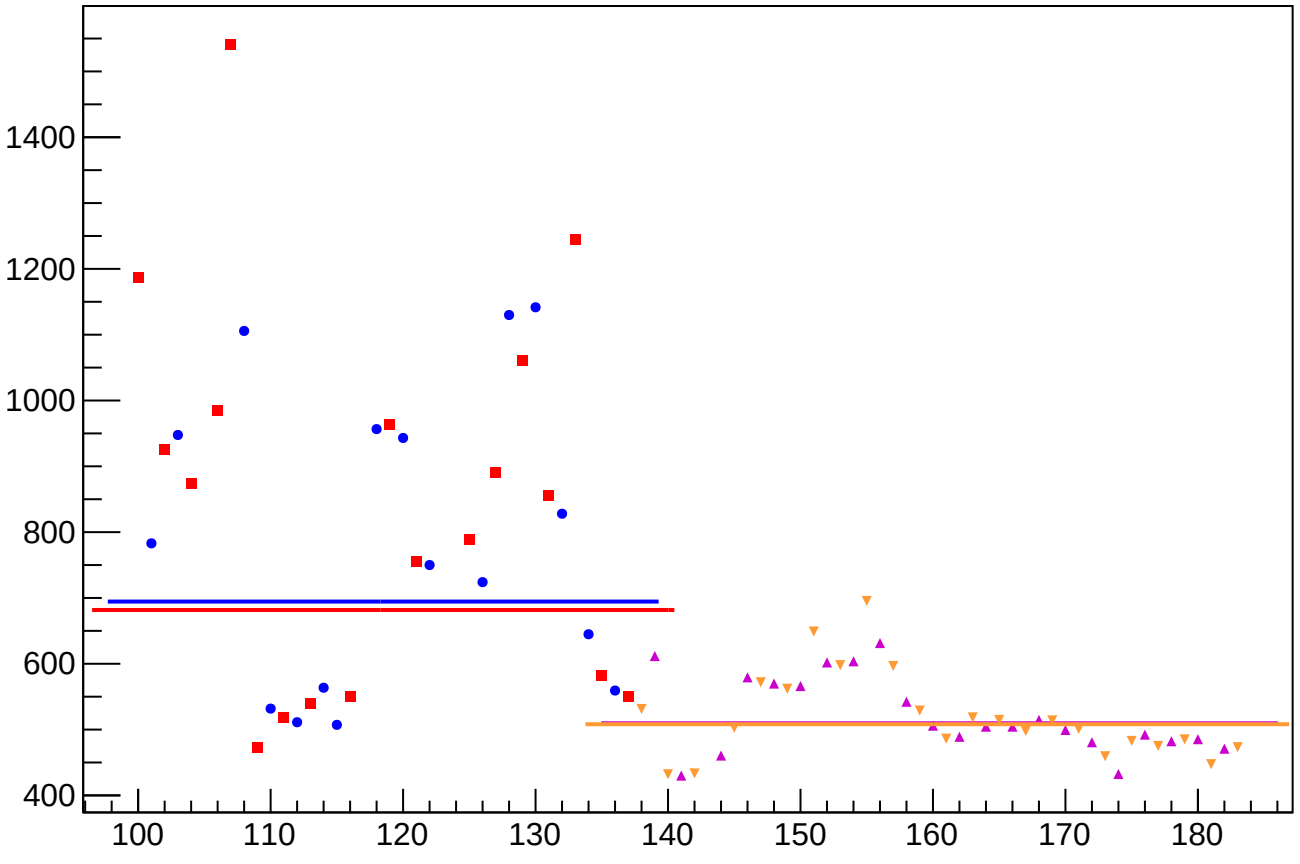
Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

Left In: -127.903+/-120.894 χ^2/NDF:24.7/21

+ sign -480.403+/-109.486 χ^2/NDF: 86.9/38

All: -340.504+/-77.602 χ^2/NDF: 128.7/78

- sign -199.268+/-110.008 χ^2/NDF: 38.5/39



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

Left Out: 508.114+/-0.085 χ^2/NDF:468851.2/22

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

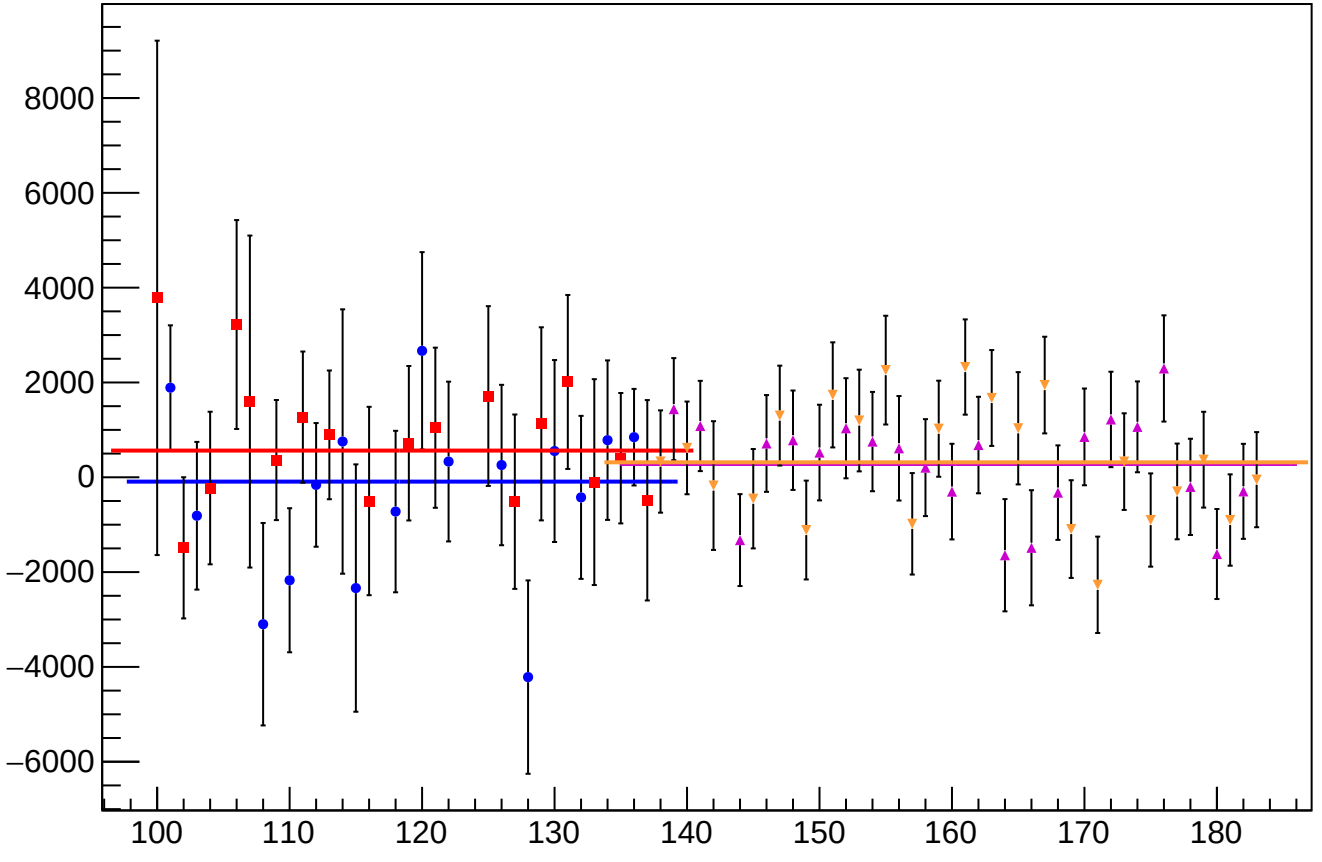
Left In: 509.614+/-0.085 χ^2/NDF:425955.6/21

+ sign 538.922+/-0.077 χ^2/NDF: 2298524.7/38

All: 539.068+/-0.055 χ^2/NDF: 4733072.5/78

- sign 539.216+/-0.078 χ^2/NDF: 2434540.7/39

asym_us_dd_mean vs Slug



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

Left Out: 315.921+/-217.971 χ^2/NDF:31.4/22

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

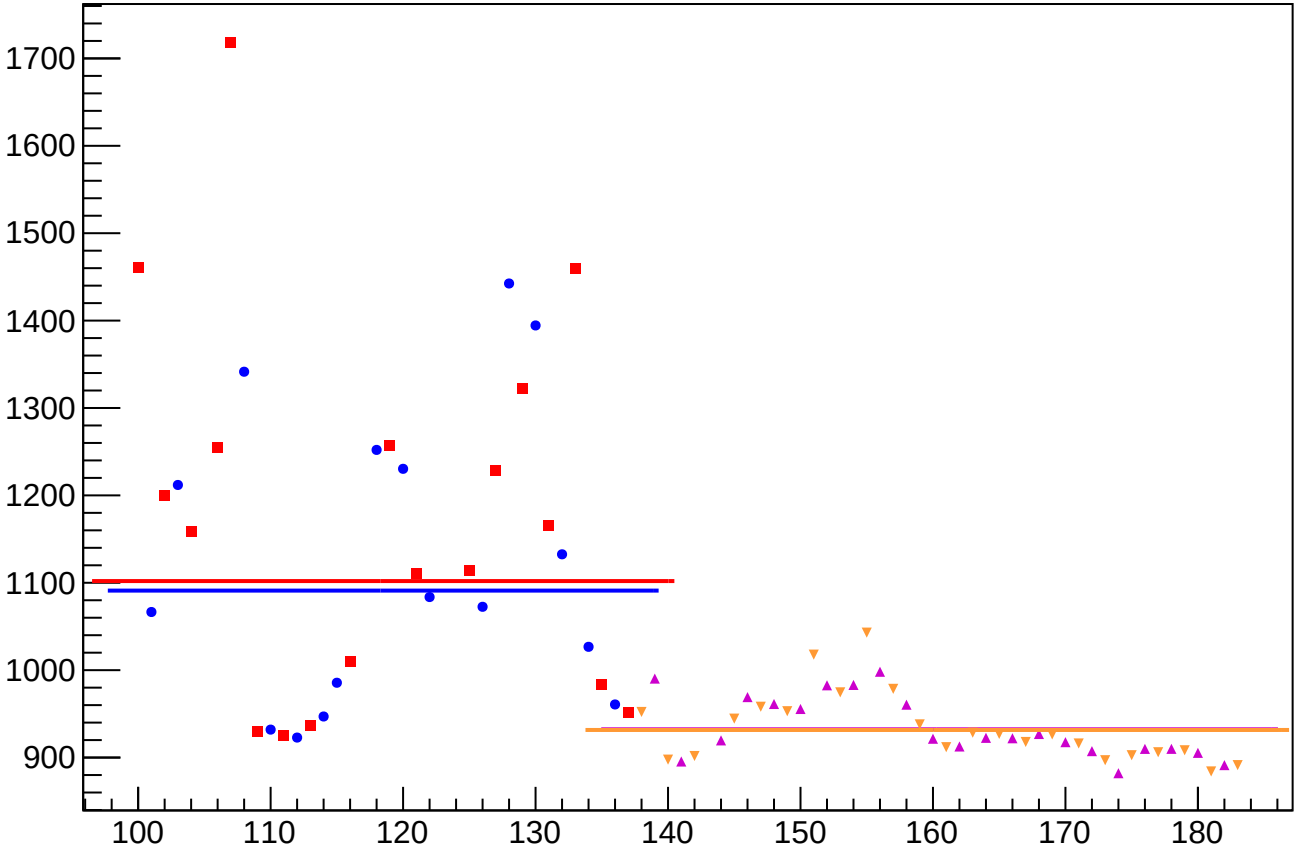
Left In: 280.941+/-219.660 χ^2/NDF:21.1/21

+ sign 226.172+/-192.458 χ^2/NDF: 46.7/38

All: 284.452+/-136.556 χ^2/NDF: 74.9/78

- sign 343.539+/-193.787 χ^2/NDF: 28.0/39

asym_us_dd_rms vs Slug



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

Left Out: 931.581+/-0.154 χ^2/NDF:60762.4/22

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

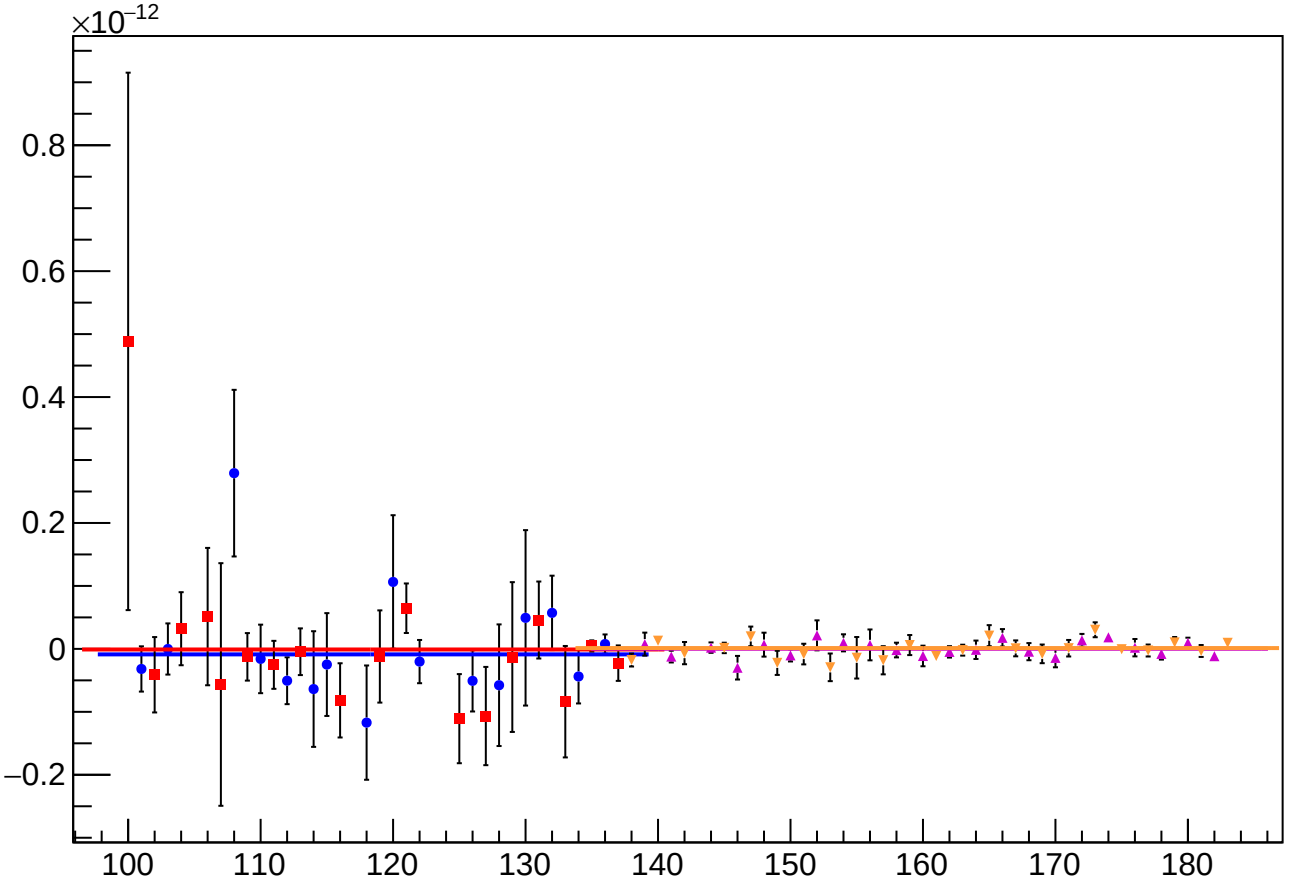
Left In: 932.362+/-0.155 χ^2/NDF:47433.2/21

+ sign 966.725+/-0.136 χ^2/NDF: 573969.2/38

All: 968.332+/-0.097 χ^2/NDF: 1214093.9/78

- sign 969.961+/-0.137 χ^2/NDF: 639844.0/39

asym_us_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/22

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

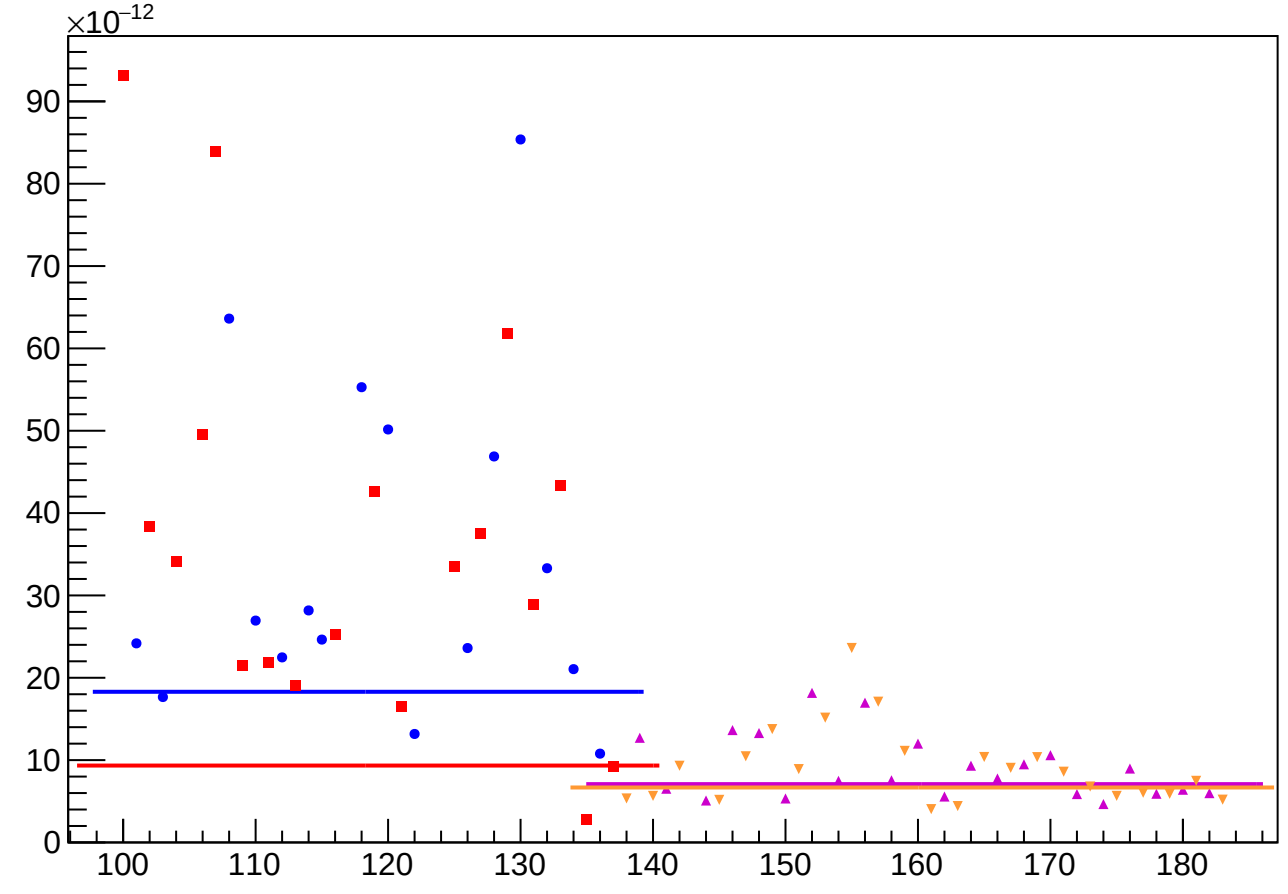
Left In: 0.000+/-0.000 χ^2/NDF:22.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/38

All: 0.000+/-0.000 χ^2/NDF: 76.9/78

- sign 0.000+/-0.000 χ^2/NDF: 36.4/39

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2242543.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2889779.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 5140446.0/17

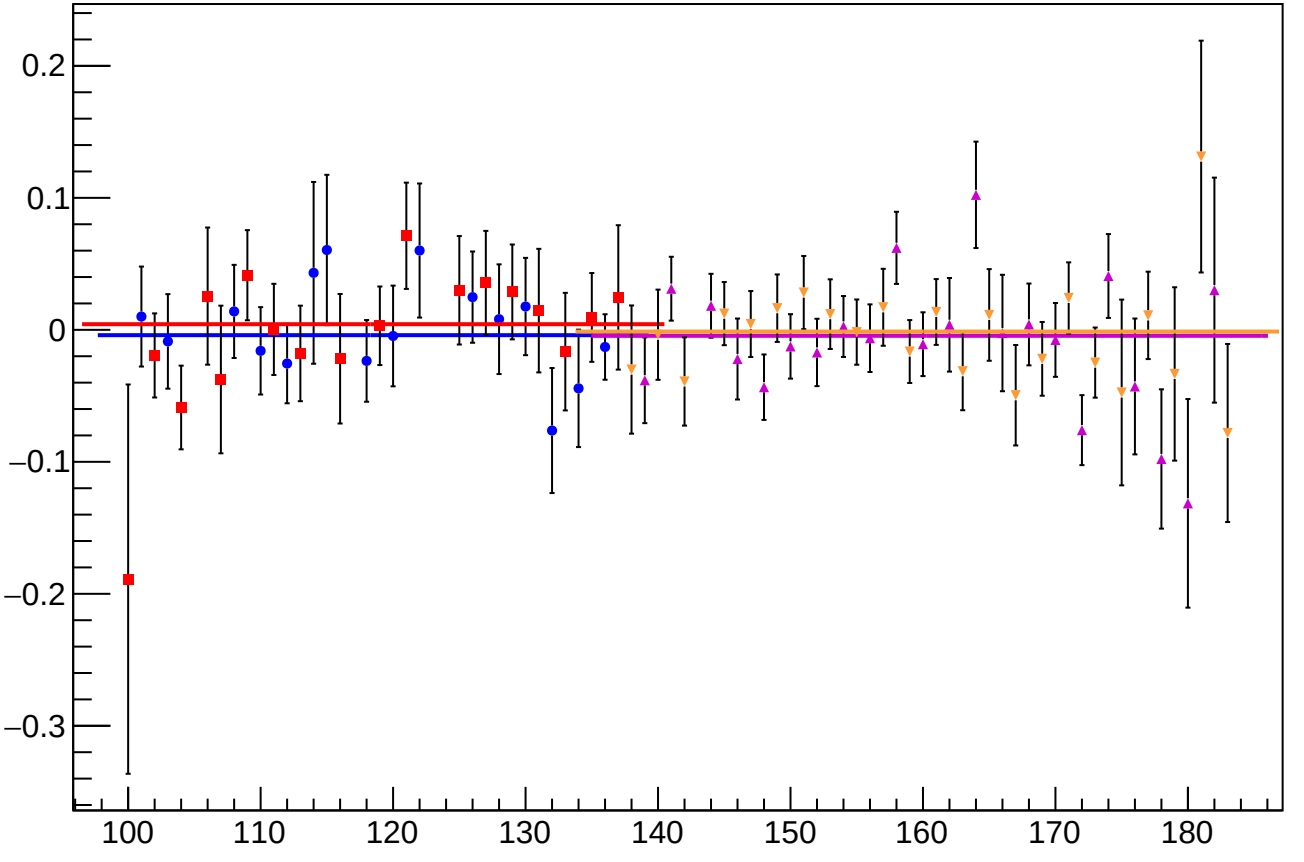
Left In: 0.000+/-0.000 χ^2/NDF:2401958.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 7589070.3/38

All: 0.000+/-0.000 χ^2/NDF: 15305476.2/78

- sign 0.000+/-0.000 χ^2/NDF: 7714989.3/39

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.001+/-0.006 χ^2/NDF:14.4/22

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

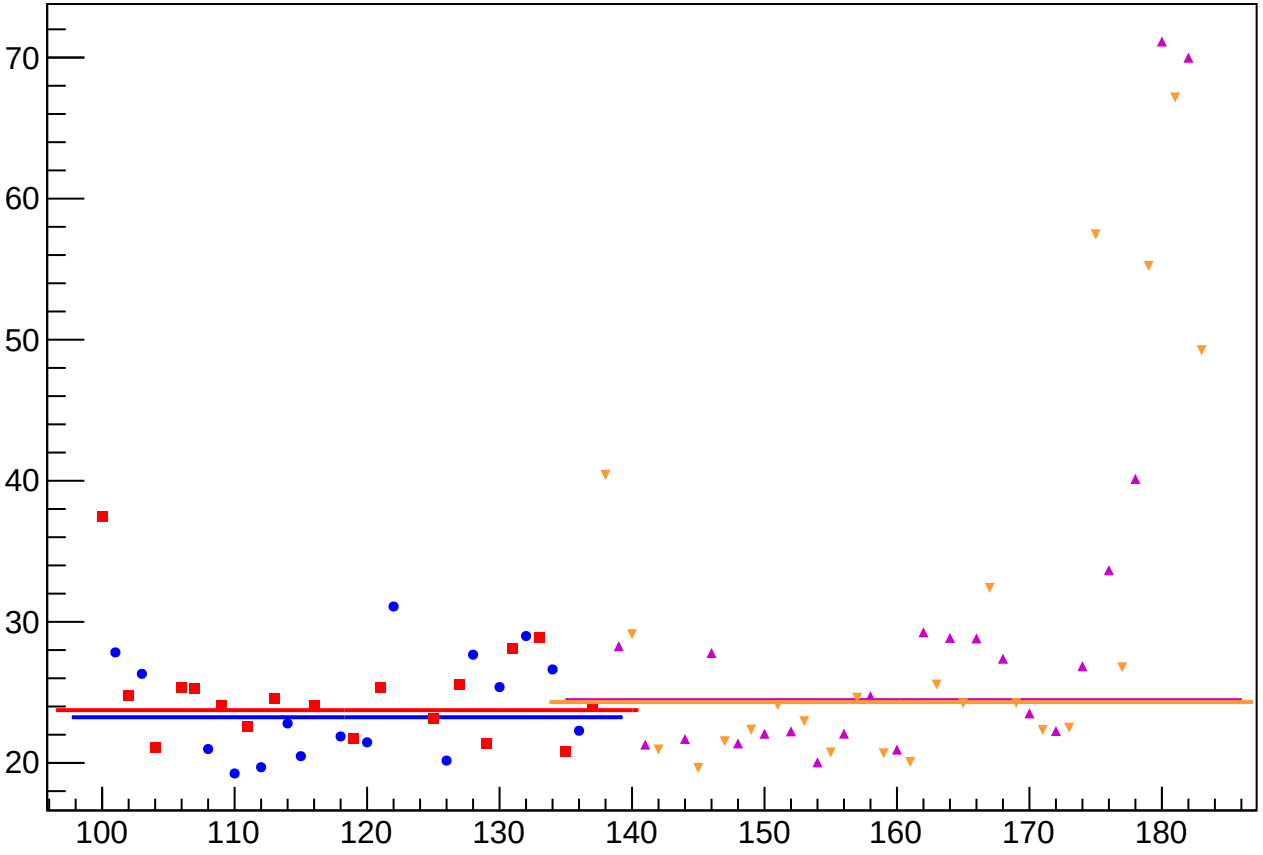
Left In: -0.005+/-0.006 χ^2/NDF:36.3/21

+ sign -0.002+/-0.005 χ^2/NDF: 23.7/38

All: -0.002+/-0.004 χ^2/NDF: 74.1/78

- sign -0.002+/-0.005 χ^2/NDF: 50.4/39

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 24.314+/-0.005 χ^2/NDF:2306556.5/22

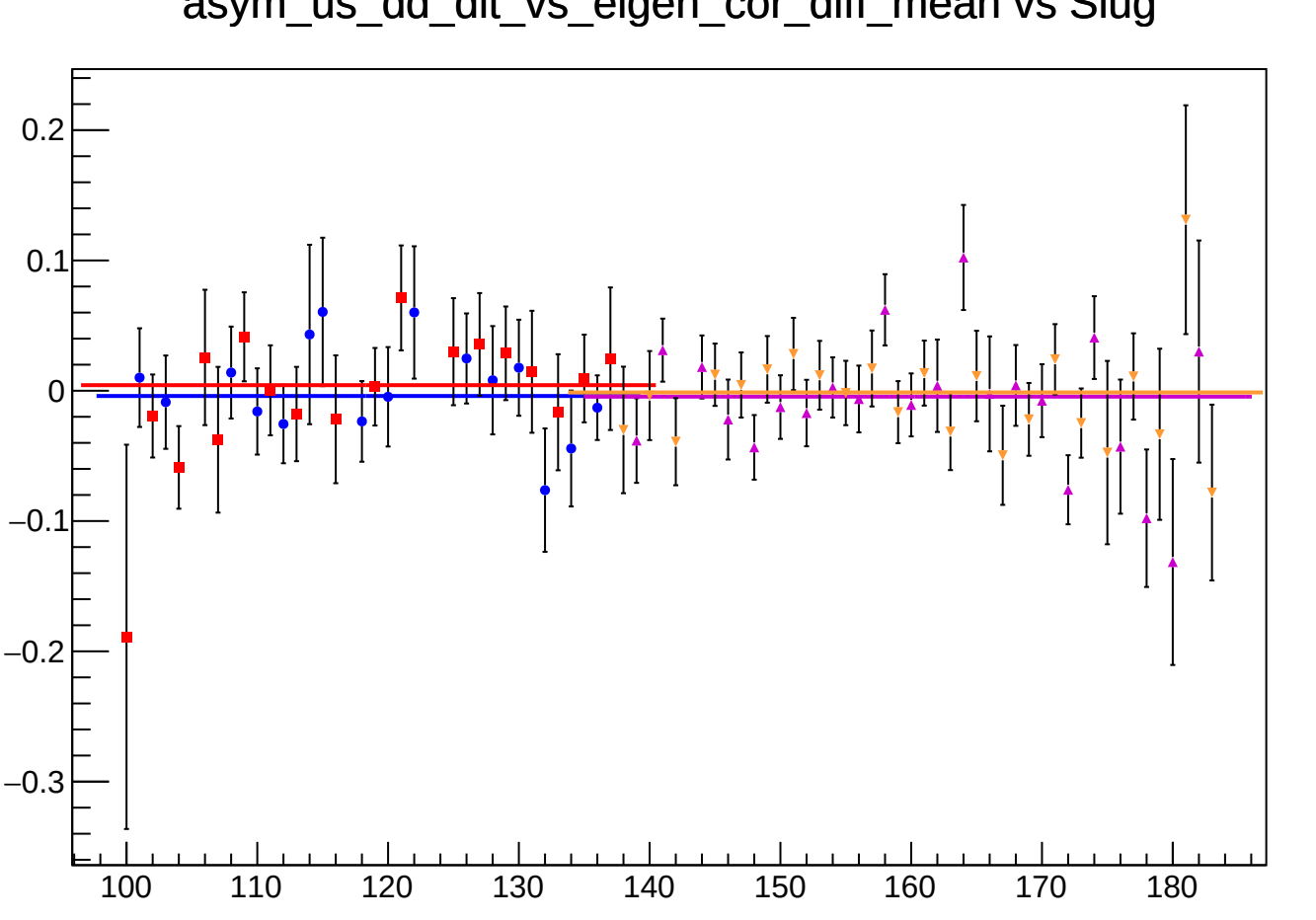
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 24.451+/-0.005 χ^2/NDF:1943606.8/21

+ sign 23.966+/-0.004 χ^2/NDF: 2584065.8/38

All: 24.094+/-0.003 χ^2/NDF: 4664148.4/78

- sign 24.223+/-0.004 χ^2/NDF: 2077704.1/39



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

Left Out: -0.001+/-0.006 χ^2/NDF:14.4/22

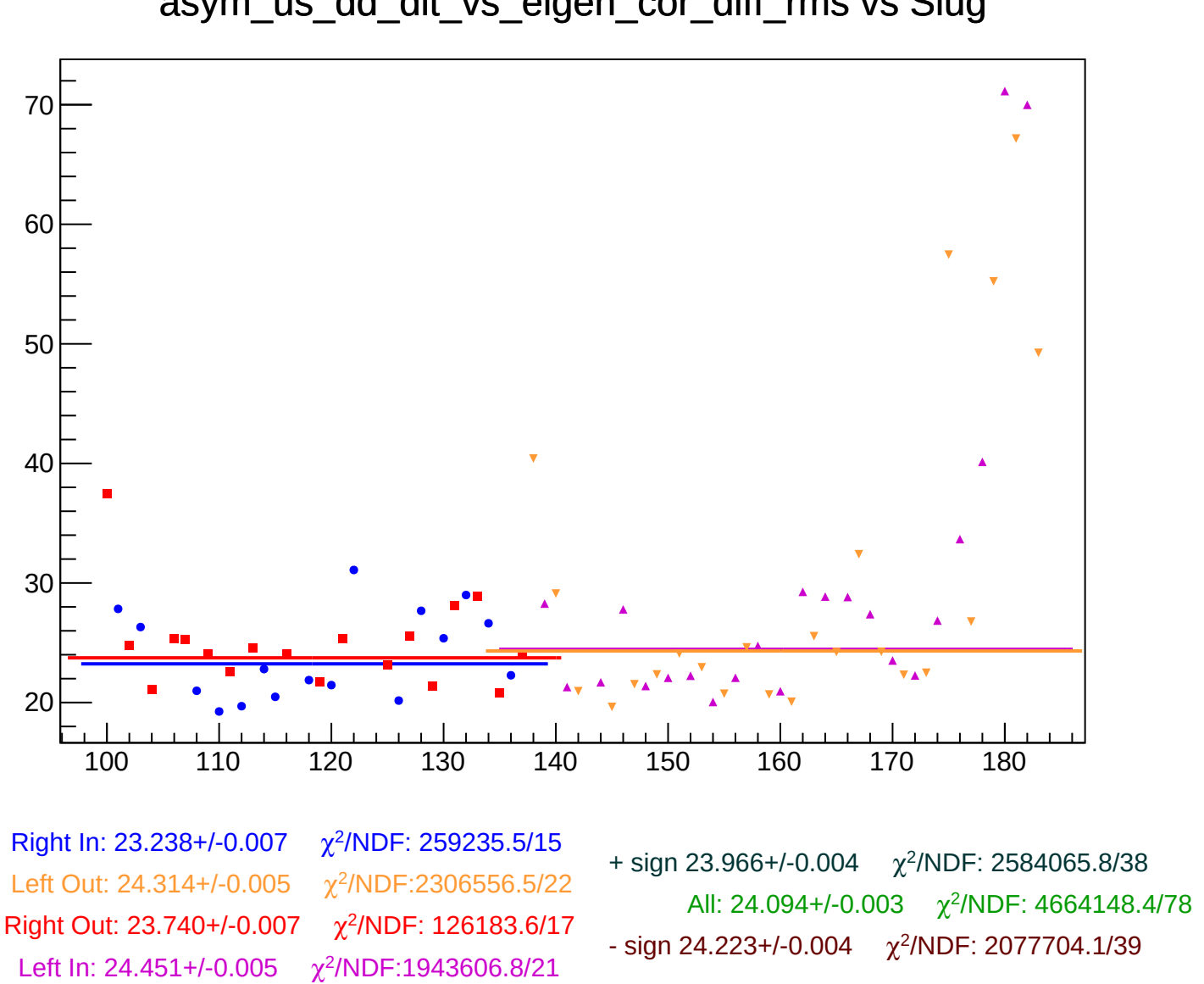
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.005+/-0.006 χ^2/NDF:36.3/21

+ sign -0.002+/-0.005 χ^2/NDF: 23.7/38

All: -0.002+/-0.004 χ^2/NDF: 74.1/78

- sign -0.002+/-0.005 χ^2/NDF: 50.4/39



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

Left Out: 24.314+/-0.005 χ^2/NDF:2306556.5/22

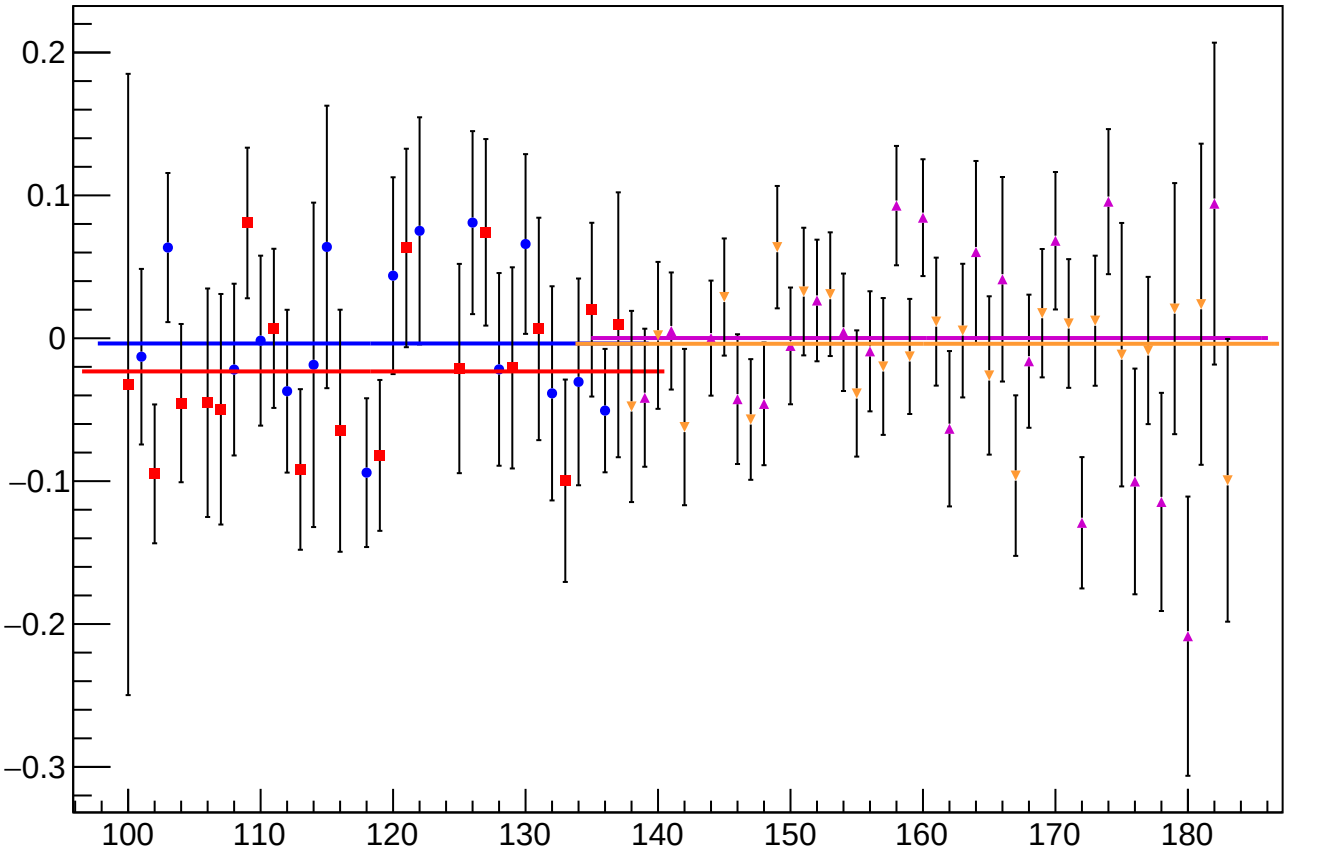
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 24.451+/-0.005 χ^2/NDF:1943606.8/21

+ sign 23.966+/-0.004 χ^2/NDF: 2584065.8/38

All: 24.094+/-0.003 χ^2/NDF: 4664148.4/78

- sign 24.223+/-0.004 χ^2/NDF: 2077704.1/39



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

Left Out: -0.004+/-0.010 χ^2/NDF:12.9/22

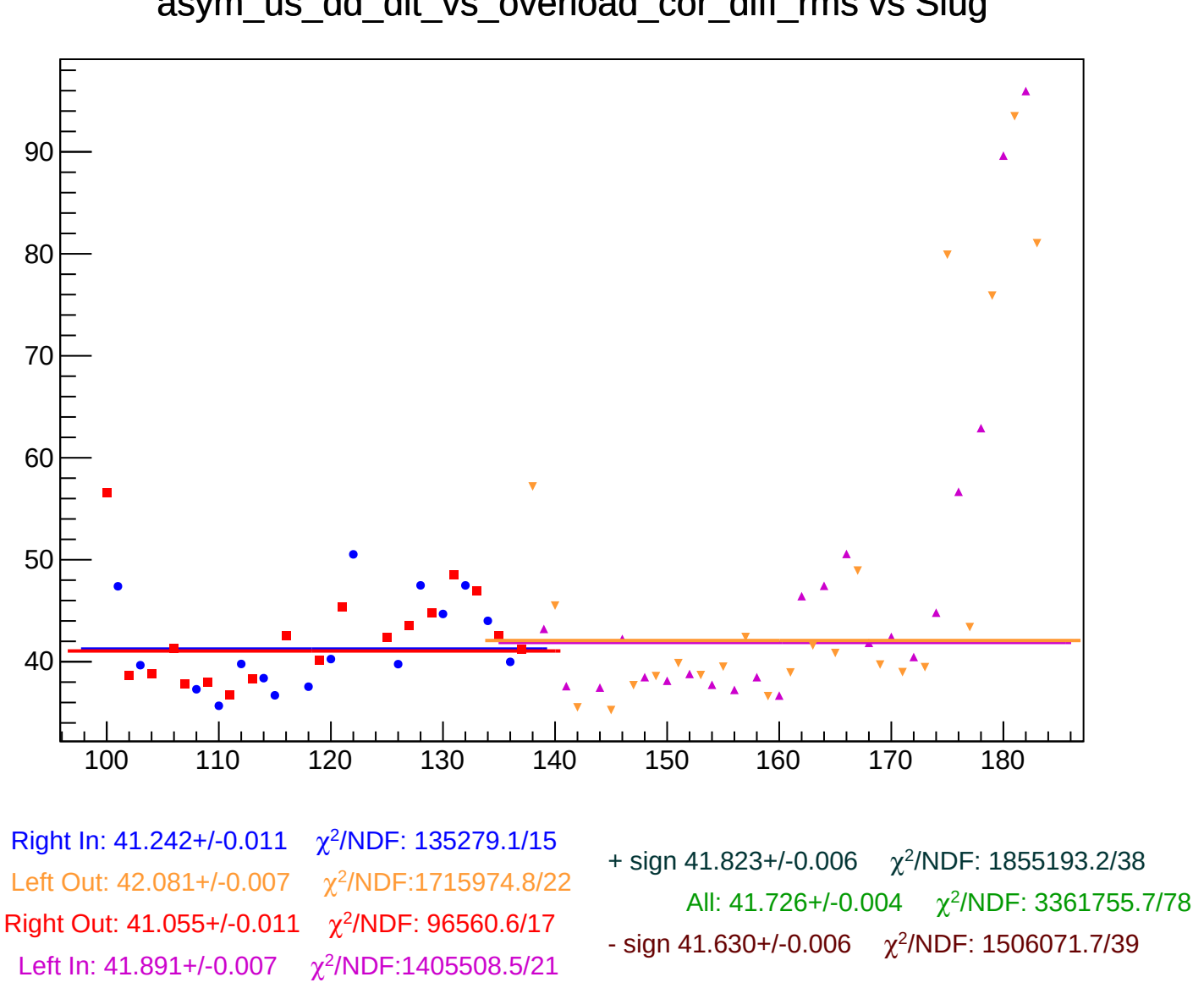
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

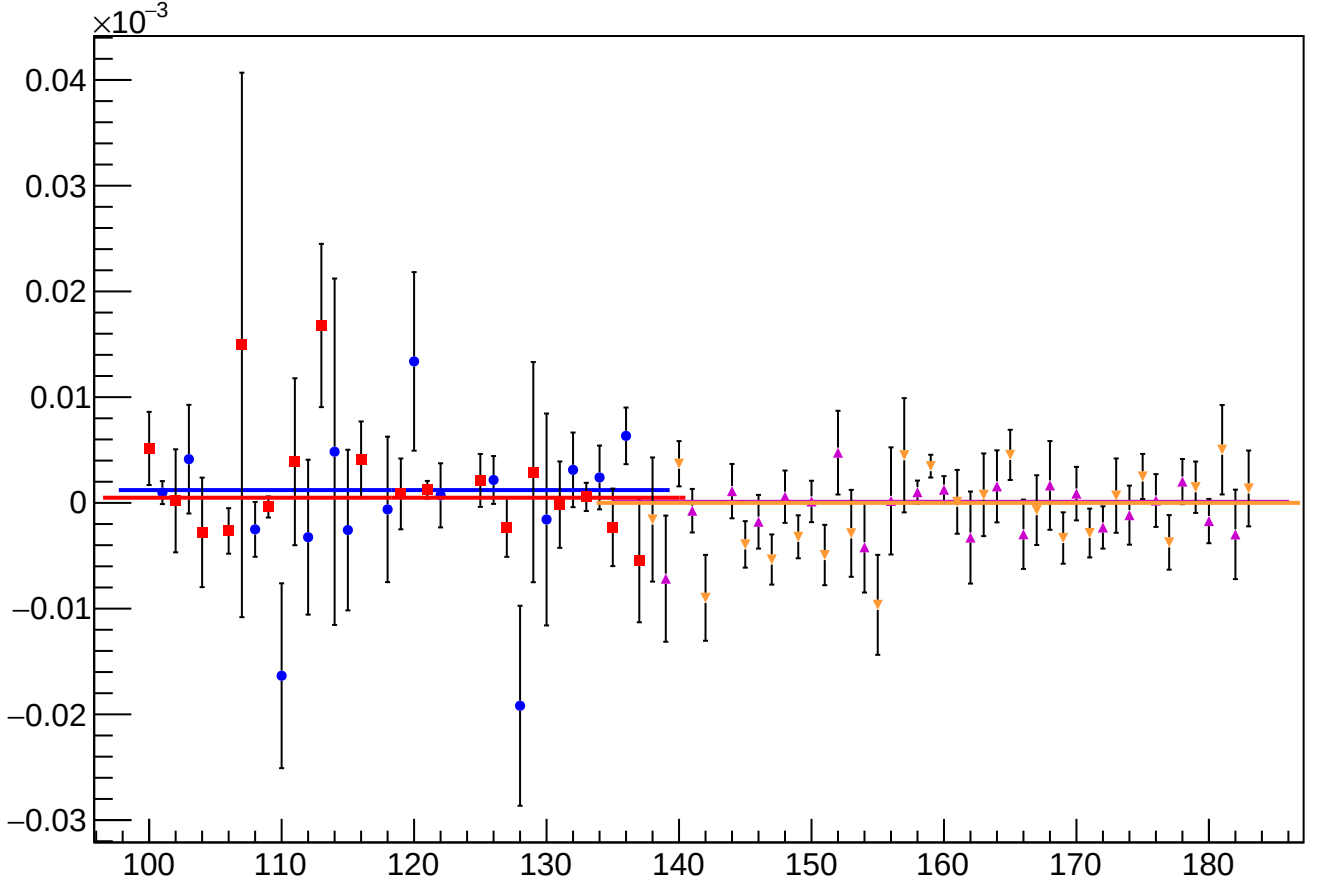
Left In: 0.000+/-0.010 χ^2/NDF:37.7/21

+ sign -0.004+/-0.009 χ^2/NDF: 24.6/38

All: -0.005+/-0.006 χ^2/NDF: 79.3/78

- sign -0.007+/-0.009 χ^2/NDF: 54.7/39


asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
170
180
Right In: 41.242+/-0.011 χ²/NDF: 135279.1/15
Left Out: 42.081+/-0.007 χ²/NDF:1715974.8/22
Right Out: 41.055+/-0.011 χ²/NDF: 96560.6/17
Left In: 41.891+/-0.007 χ²/NDF:1405508.5/21
+ sign 41.823+/-0.006 χ²/NDF: 1855193.2/38
All: 41.726+/-0.004 χ²/NDF: 3361755.7/78
- sign 41.630+/-0.006 χ²/NDF: 1506071.7/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/22

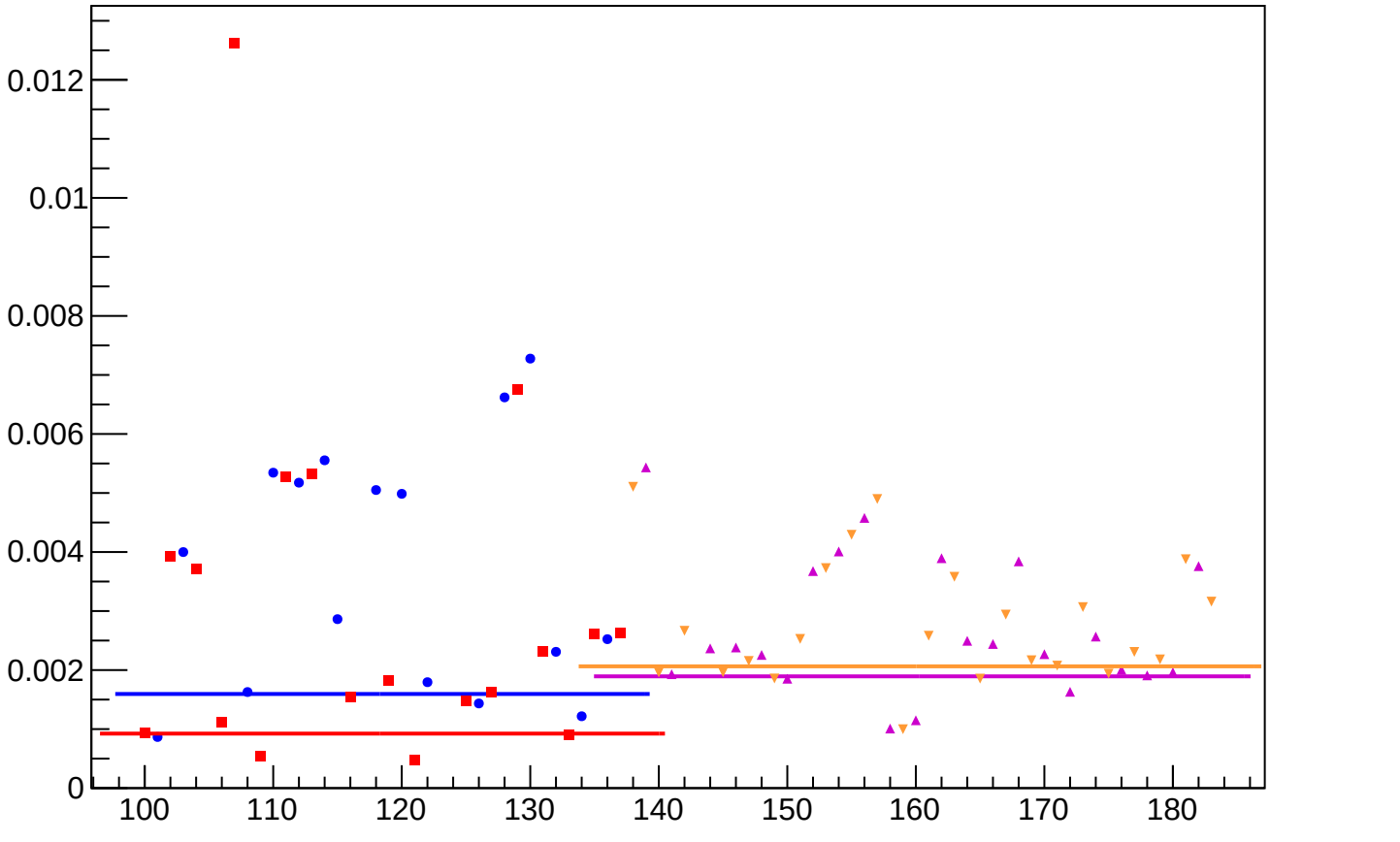
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:11.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 70.1/38

All: 0.000+/-0.000 χ^2/NDF: 97.3/78

- sign 0.000+/-0.000 χ^2/NDF: 27.2/39



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

Left Out: 0.002+/-0.000 χ^2/NDF:5208872.1/22

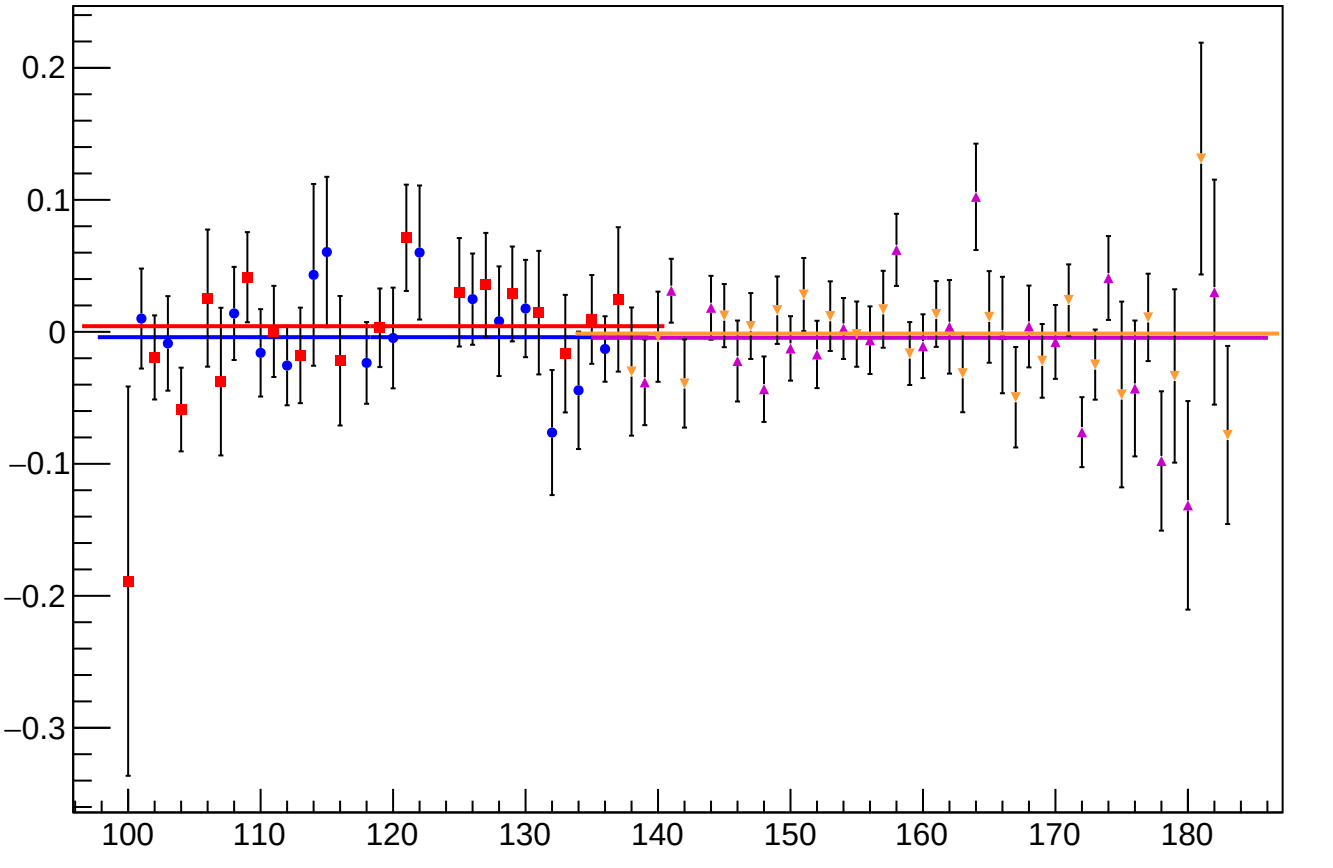
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:5870010.0/21

+ sign 0.002+/-0.000 χ^2/NDF: 10492998.4/38

All: 0.002+/-0.000 χ^2/NDF: 27573244.1/78

- sign 0.001+/-0.000 χ^2/NDF: 15468939.8/39



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

Left Out: -0.001+/-0.006 χ^2/NDF:14.4/22

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

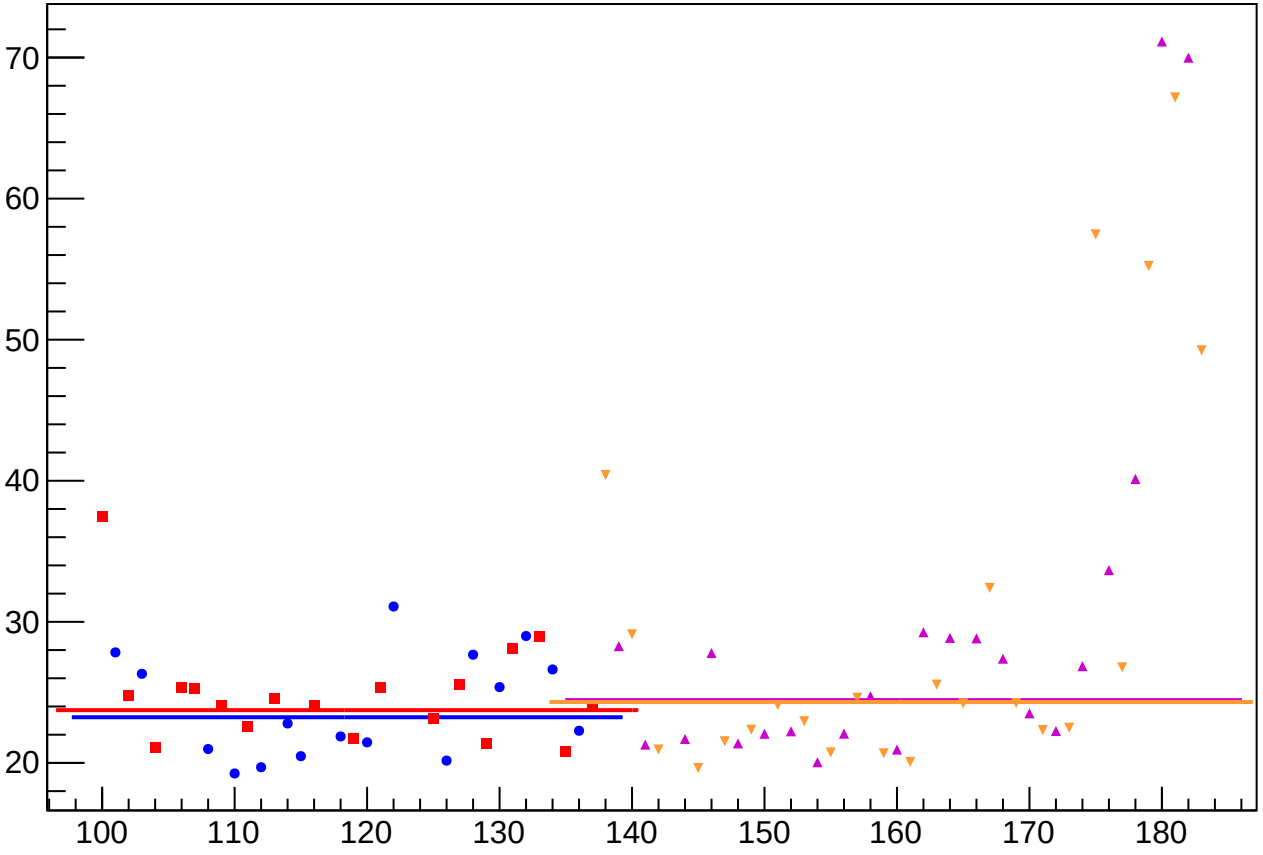
Left In: -0.005+/-0.006 χ^2/NDF:36.3/21

+ sign -0.002+/-0.005 χ^2/NDF: 23.7/38

All: -0.002+/-0.004 χ^2/NDF: 74.1/78

- sign -0.002+/-0.005 χ^2/NDF: 50.4/39

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 24.314+/-0.005 χ^2/NDF:2306566.6/22

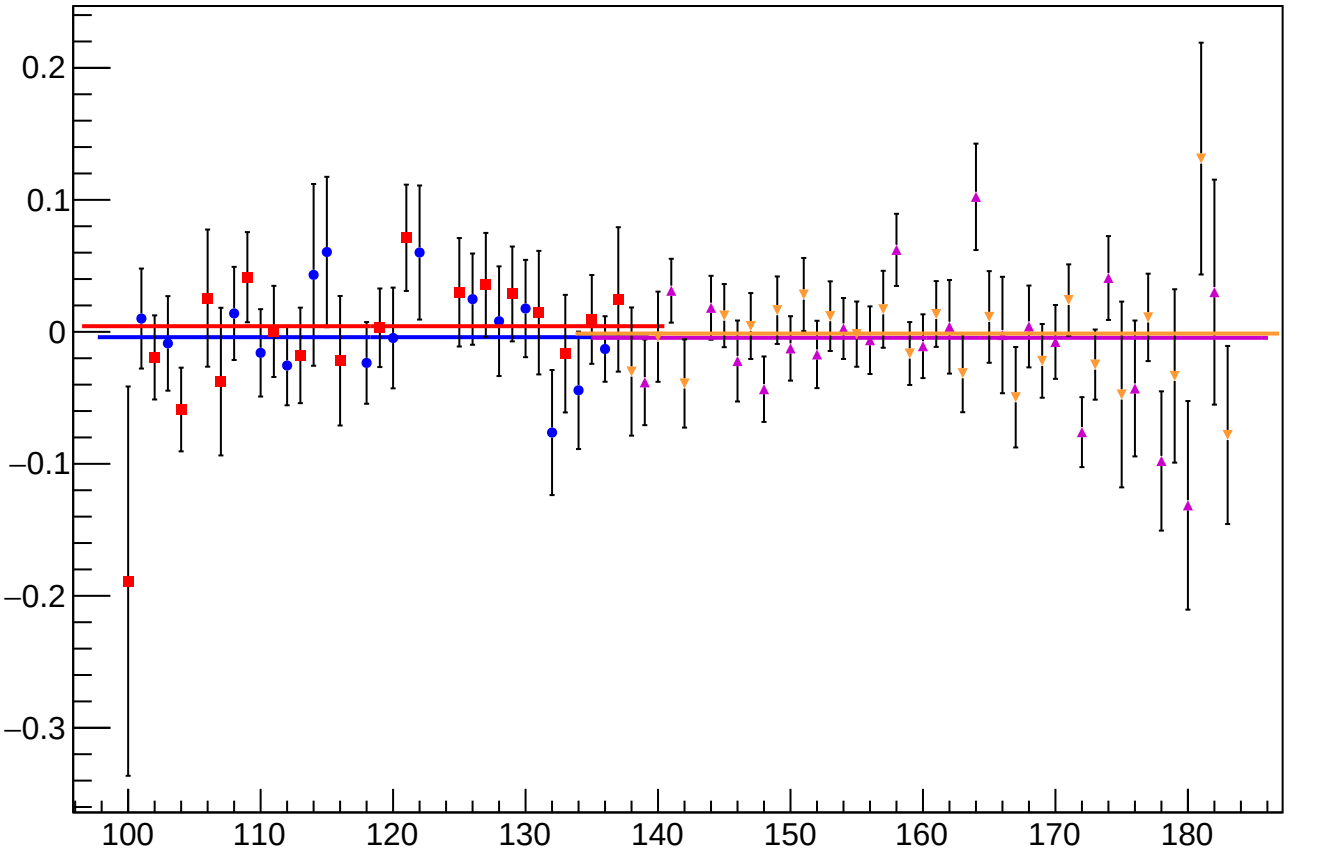
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 24.451+/-0.005 χ^2/NDF:1943477.3/21

+ sign 23.966+/-0.004 χ^2/NDF: 2584088.5/38

All: 24.094+/-0.003 χ^2/NDF: 4664000.6/78

- sign 24.223+/-0.004 χ^2/NDF: 2077524.8/39



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

Left Out: -0.001+/-0.006 χ^2/NDF:14.4/22

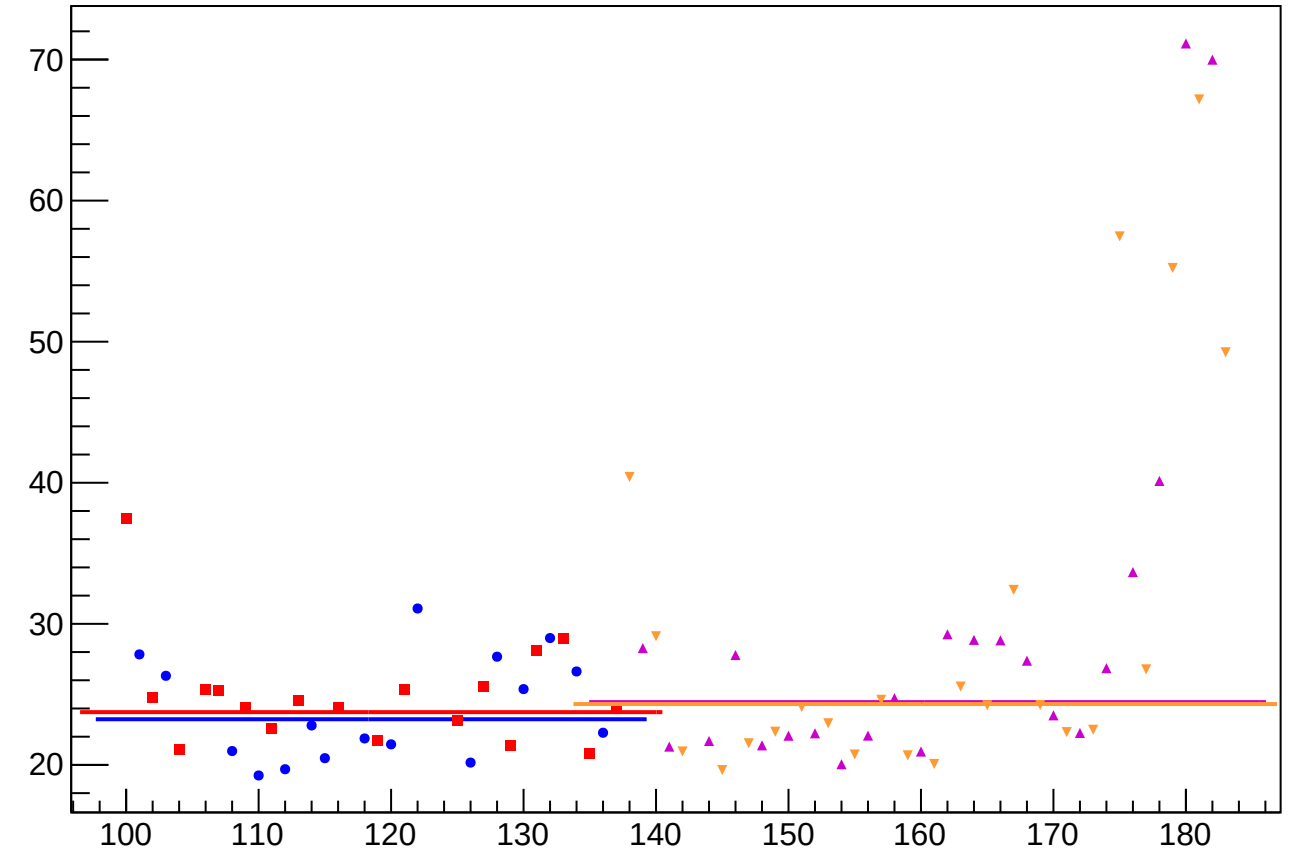
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.005+/-0.006 χ^2/NDF:36.3/21

+ sign -0.002+/-0.005 χ^2/NDF: 23.7/38

All: -0.002+/-0.004 χ^2/NDF: 74.1/78

- sign -0.002+/-0.005 χ^2/NDF: 50.4/39



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

Left Out: 24.314+/-0.005 χ^2/NDF:2306566.6/22

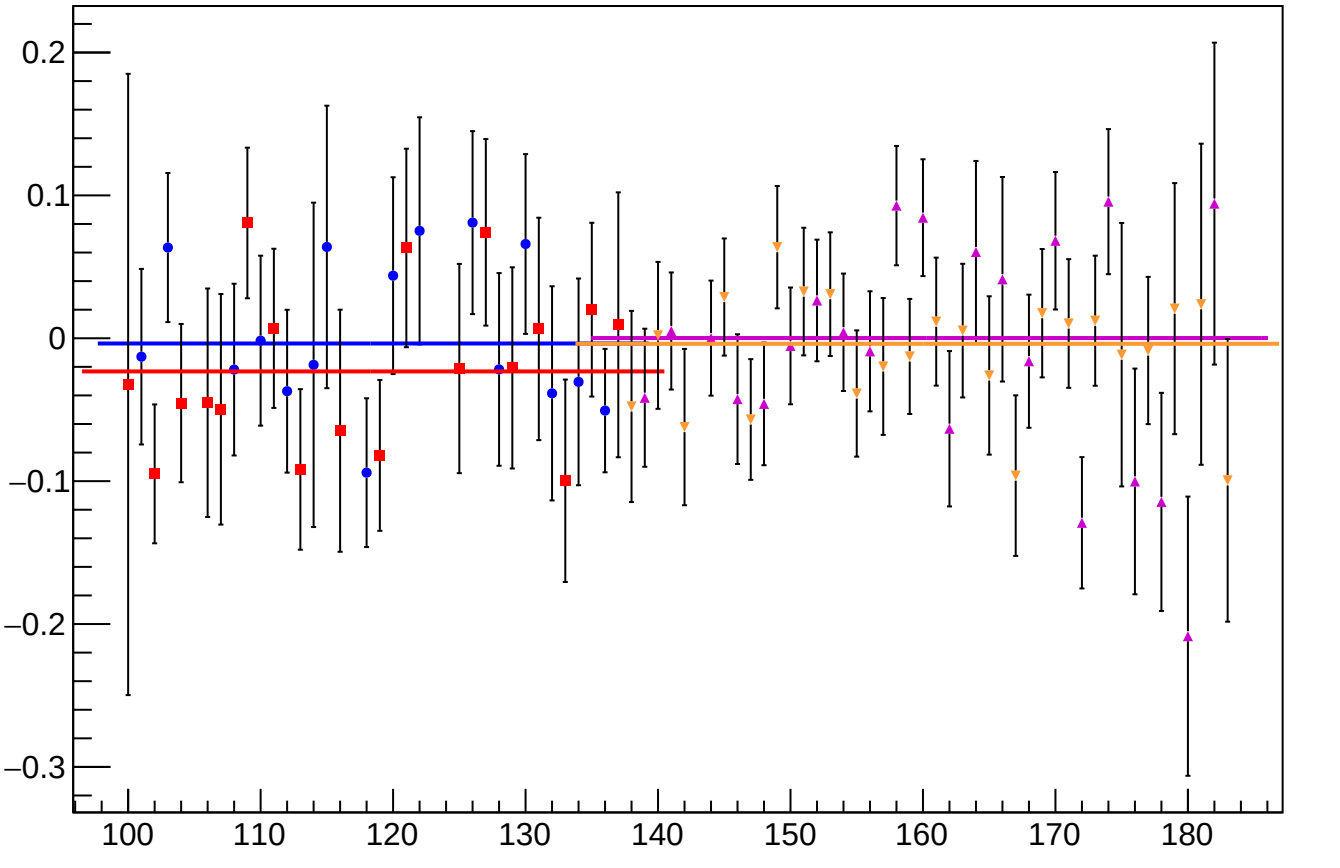
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 24.451+/-0.005 χ^2/NDF:1943477.3/21

+ sign 23.966+/-0.004 χ^2/NDF: 2584088.5/38

All: 24.094+/-0.003 χ^2/NDF: 4664000.6/78

- sign 24.223+/-0.004 χ^2/NDF: 2077524.8/39



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

Left Out: -0.004+/-0.010 χ^2/NDF:12.9/22

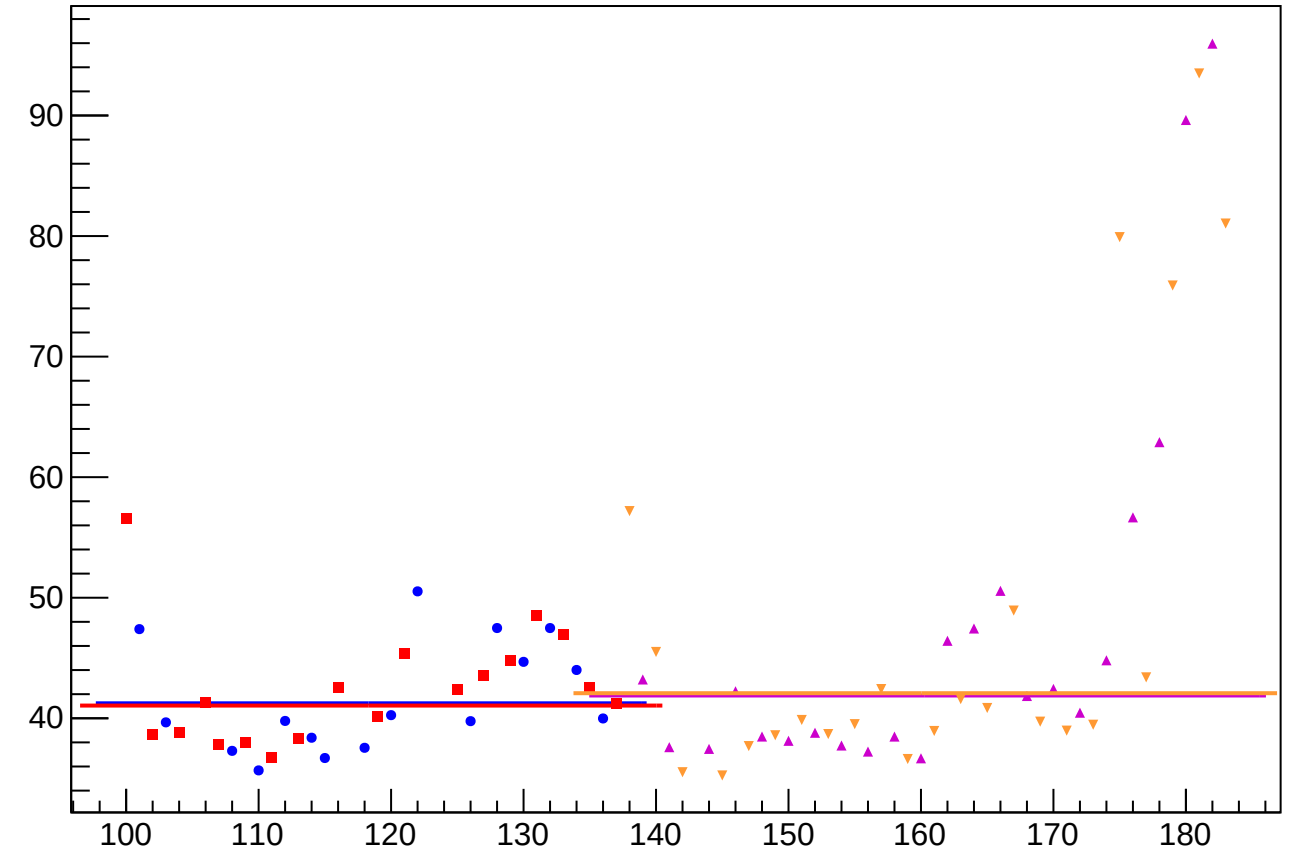
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.000+/-0.010 χ^2/NDF:37.7/21

+ sign -0.004+/-0.009 χ^2/NDF: 24.6/38

All: -0.005+/-0.006 χ^2/NDF: 79.3/78

- sign -0.007+/-0.009 χ^2/NDF: 54.7/39



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

Left Out: 42.081+/-0.007 χ^2/NDF:1715965.3/22

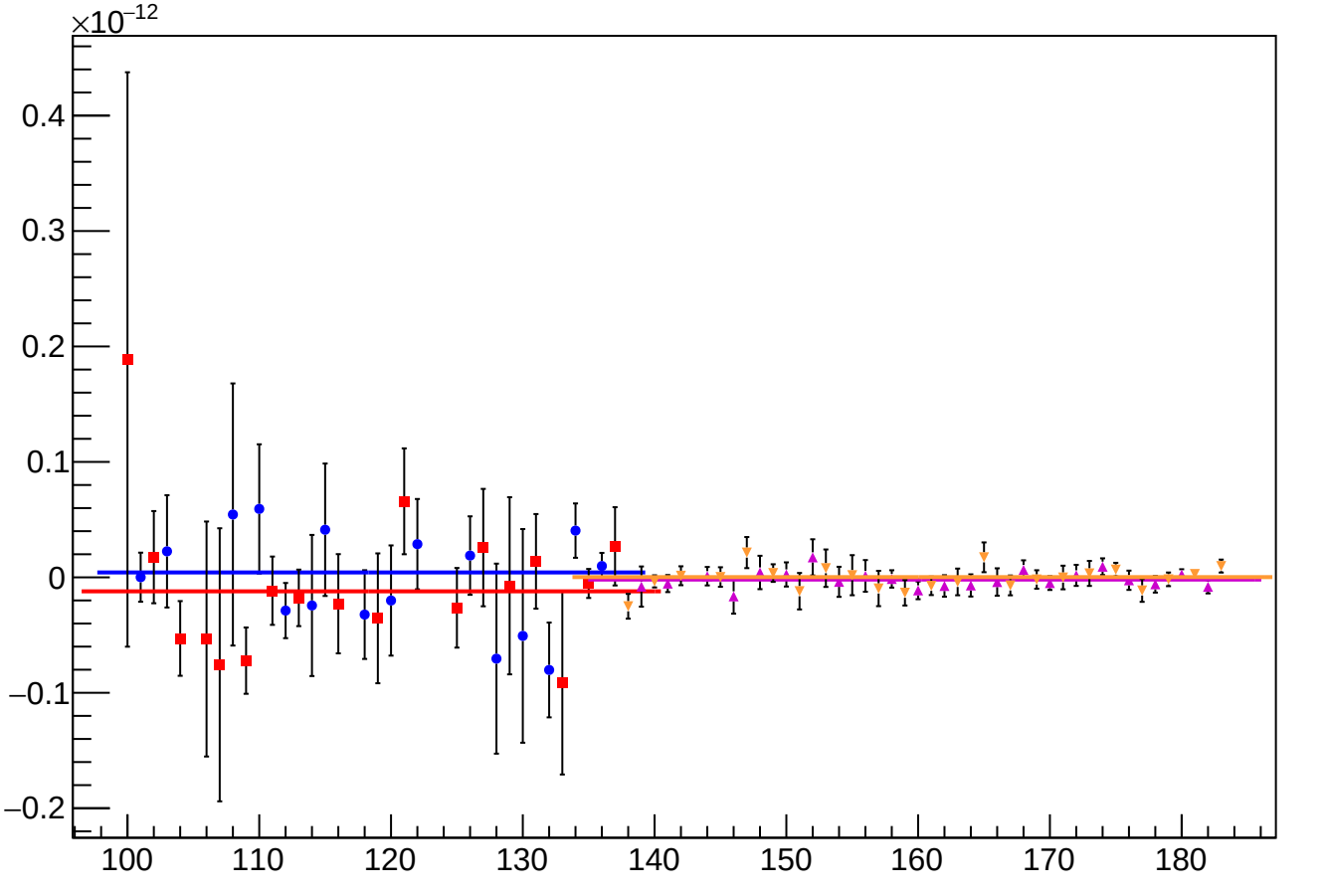
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 41.891+/-0.007 χ^2/NDF:1405485.6/21

+ sign 41.823+/-0.006 χ^2/NDF: 1855164.2/38

All: 41.726+/-0.004 χ^2/NDF: 3361693.4/78

- sign 41.630+/-0.006 χ^2/NDF: 1506039.1/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/22

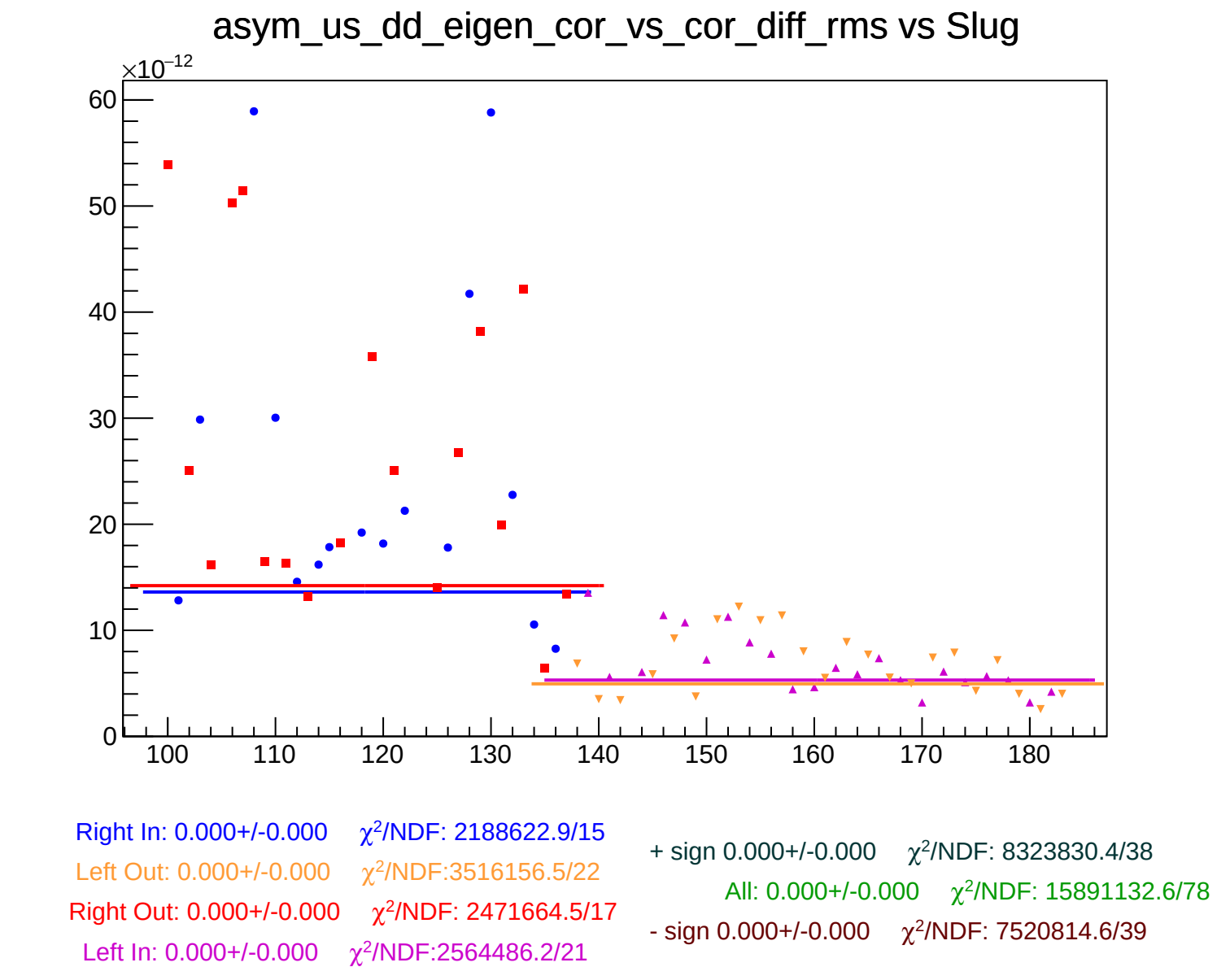
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:11.7/21

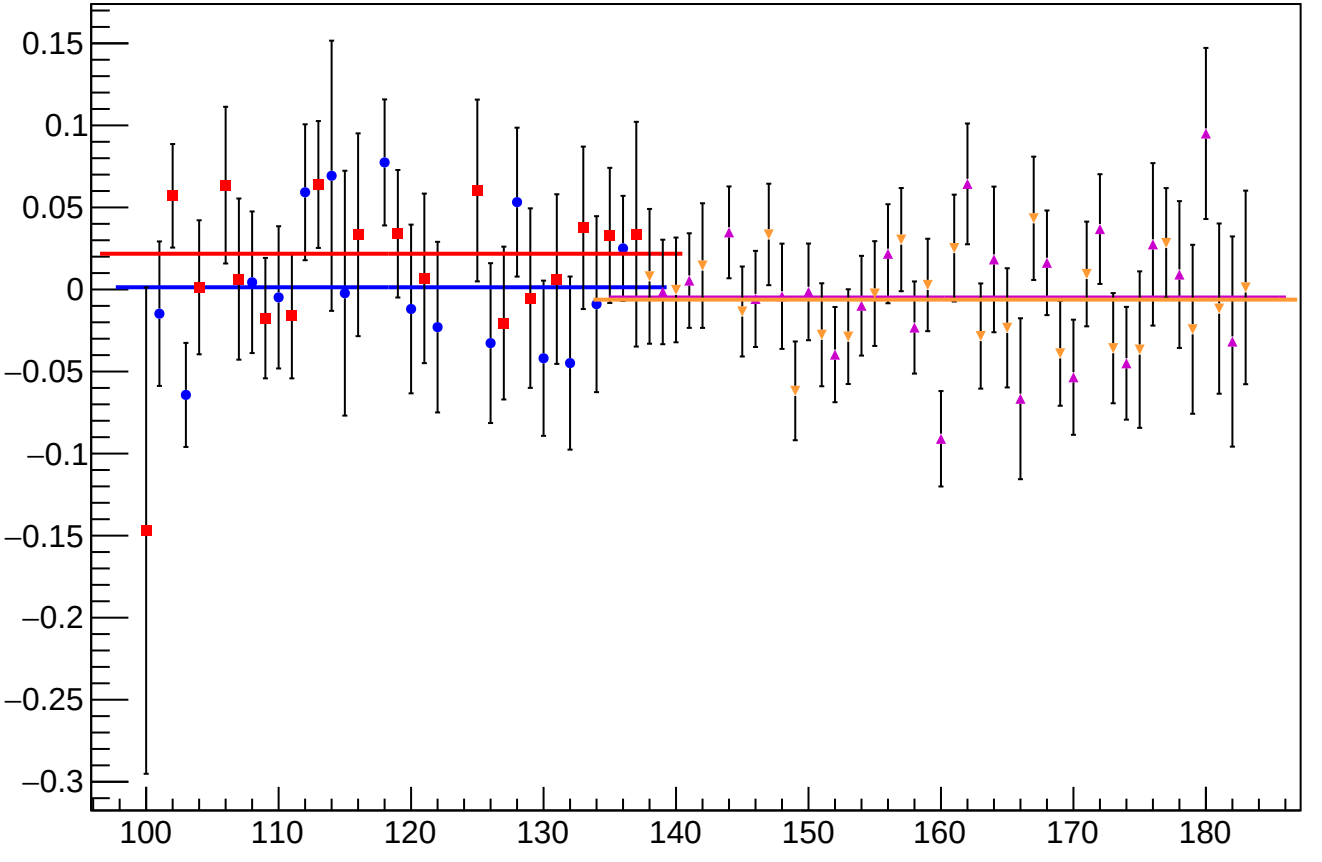
+ sign 0.000+/-0.000 χ^2/NDF: 35.1/38

All: -0.000+/-0.000 χ^2/NDF: 64.4/78

- sign -0.000+/-0.000 χ^2/NDF: 27.9/39


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:3516156.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:2564486.2/21
+ sign 0.000+/-0.000 χ²/NDF: 8323830.4/38
All: 0.000+/-0.000 χ²/NDF: 15891132.6/78
- sign 0.000+/-0.000 χ²/NDF: 7520814.6/39

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/22

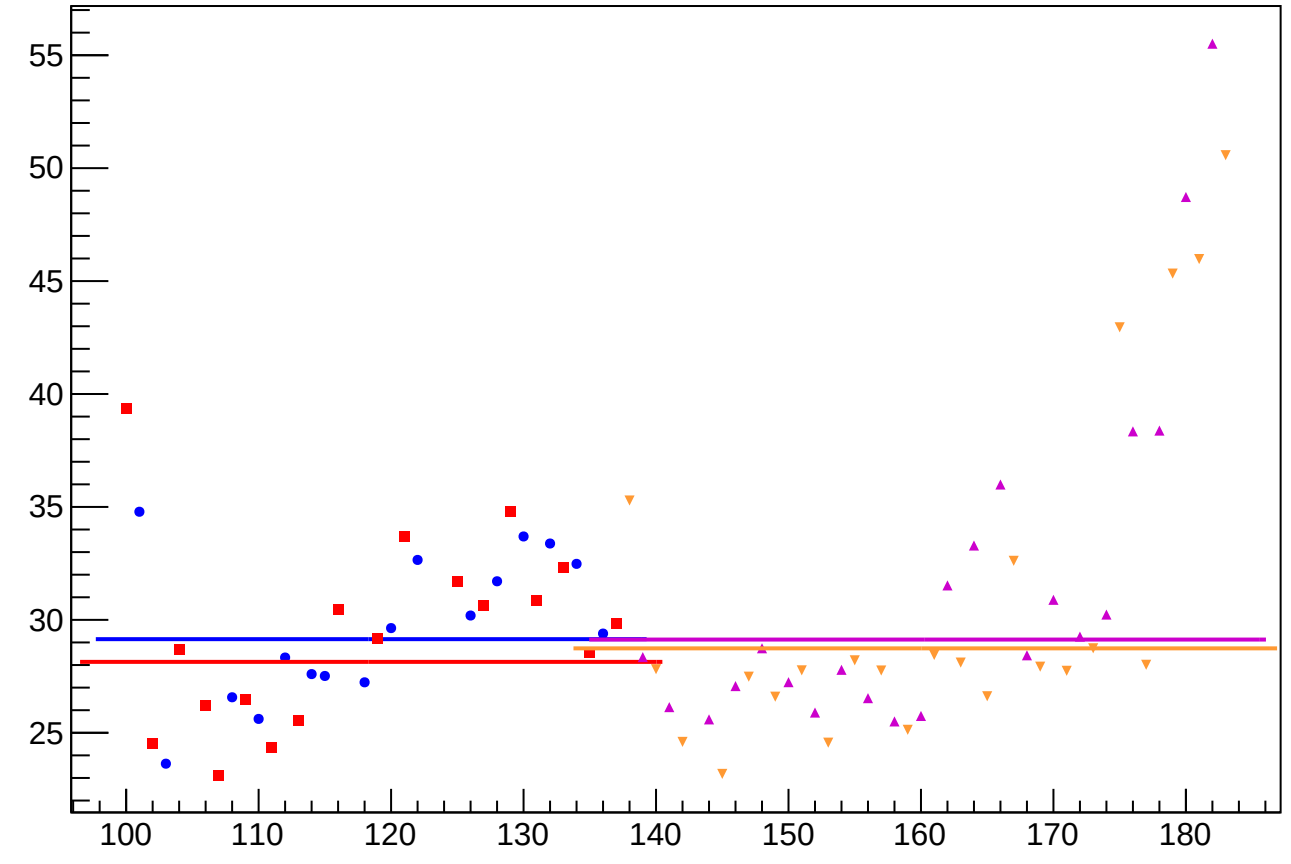
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.005+/-0.007 χ^2/NDF:28.7/21

+ sign -0.004+/-0.006 χ^2/NDF: 30.8/38

All: -0.000+/-0.004 χ^2/NDF: 73.5/78

- sign 0.003+/-0.006 χ^2/NDF: 41.9/39



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

Left Out: 28.738+/-0.005 χ^2/NDF:1164489.5/22

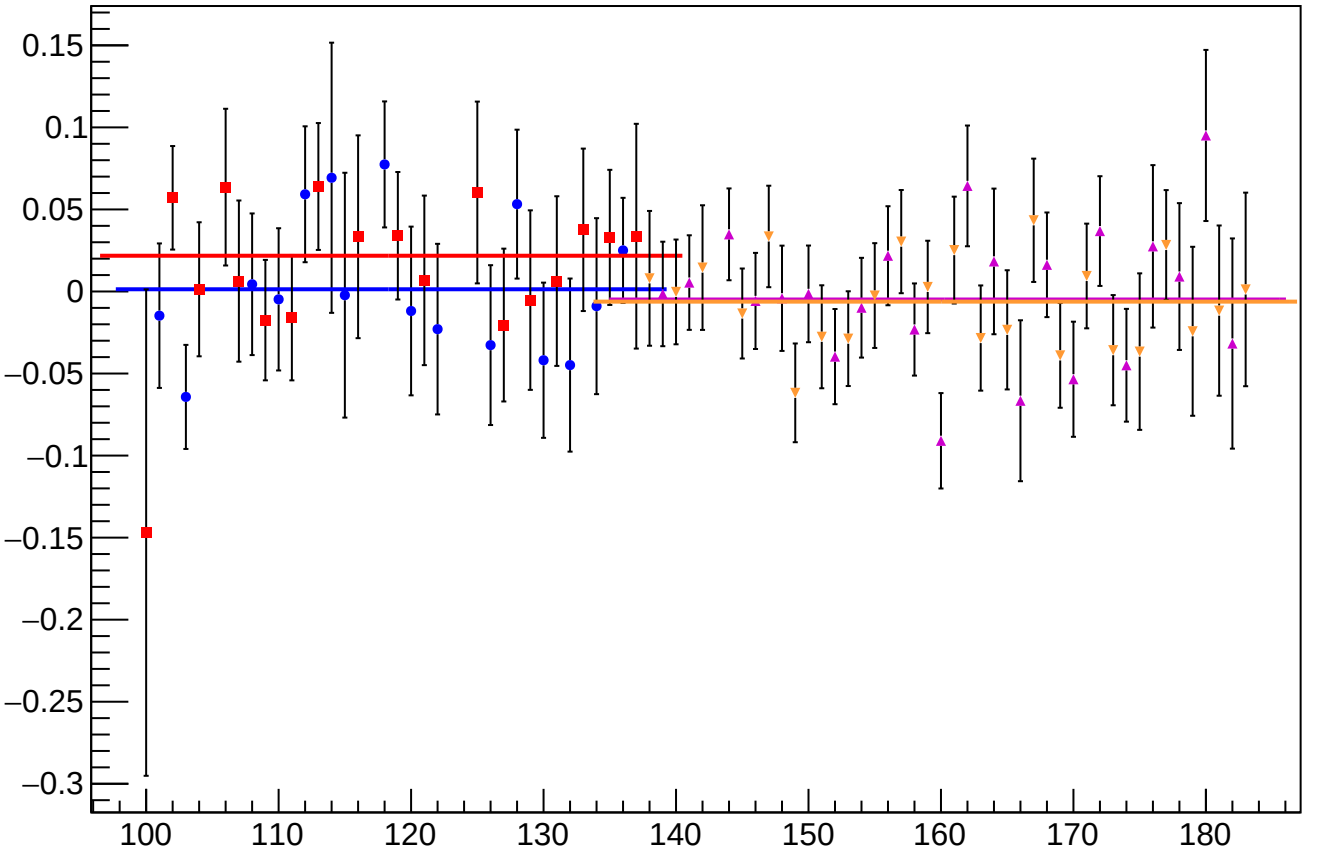
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 29.128+/-0.005 χ^2/NDF:1027047.0/21

+ sign 28.855+/-0.004 χ^2/NDF: 1343265.4/38

All: 28.839+/-0.003 χ^2/NDF: 2569058.3/78

- sign 28.823+/-0.004 χ^2/NDF: 1225765.3/39



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/22

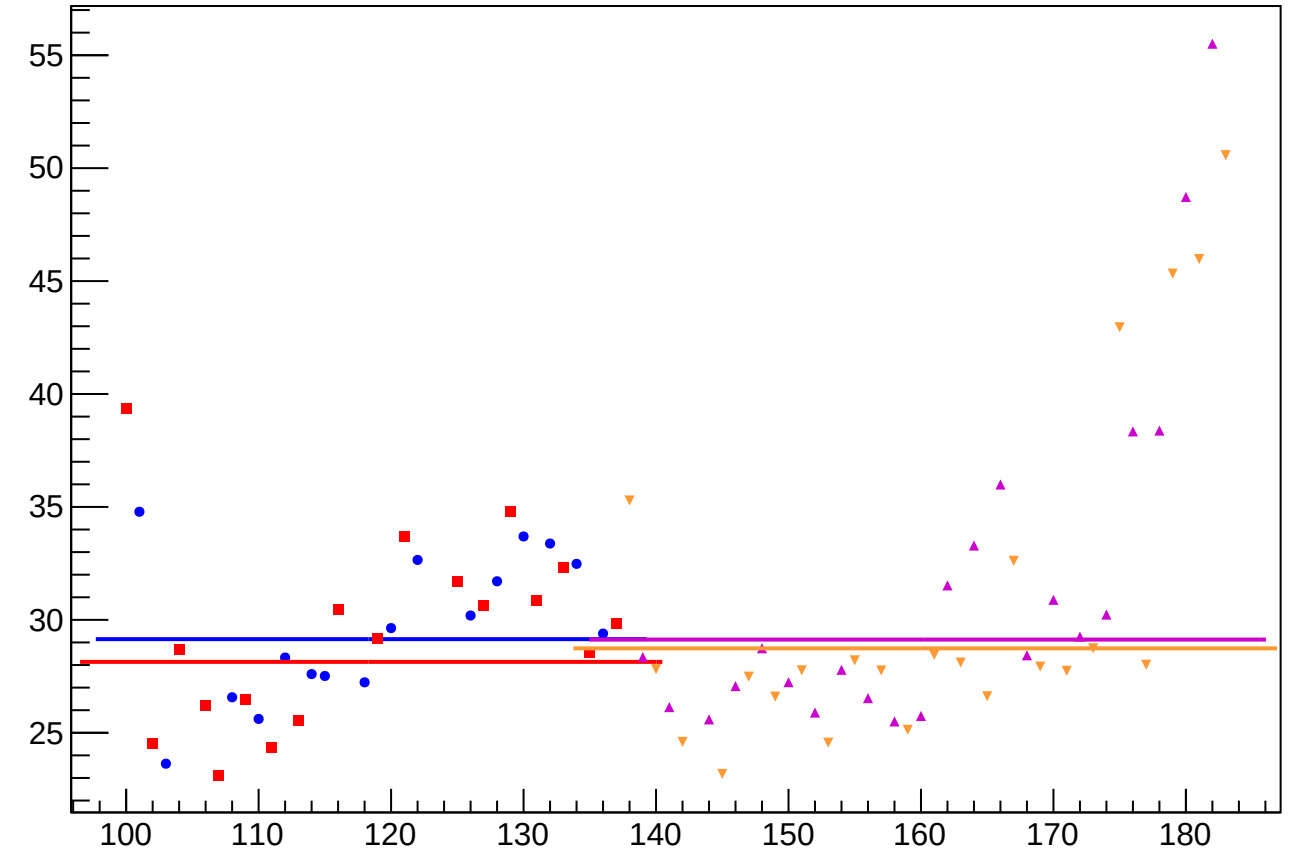
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.005+/-0.007 χ^2/NDF:28.7/21

+ sign -0.004+/-0.006 χ^2/NDF: 30.8/38

All: -0.000+/-0.004 χ^2/NDF: 73.5/78

- sign 0.003+/-0.006 χ^2/NDF: 41.9/39



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

Left Out: 28.738+/-0.005 χ^2/NDF:1164489.5/22

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

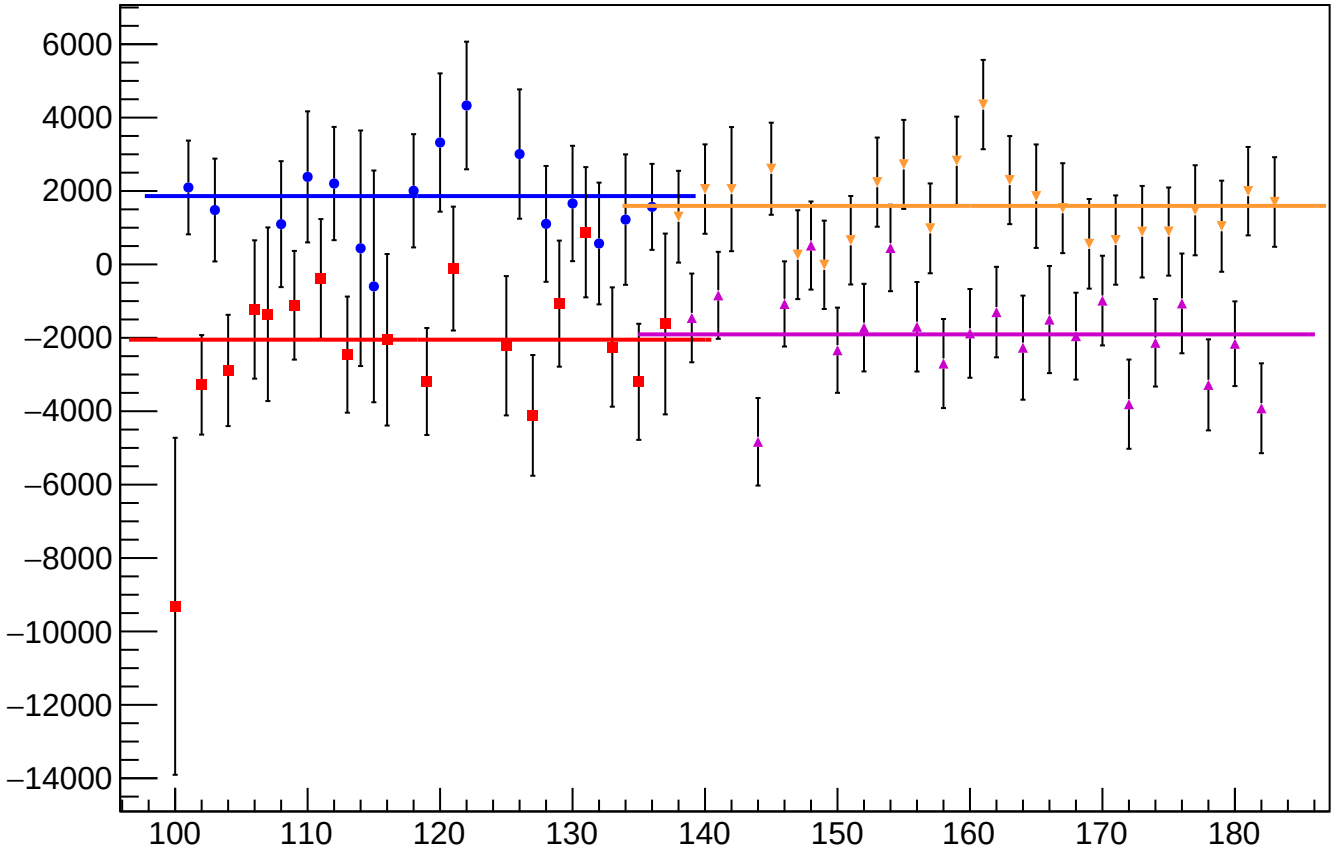
Left In: 29.128+/-0.005 χ^2/NDF:1027047.0/21

+ sign 28.855+/-0.004 χ^2/NDF: 1343265.4/38

All: 28.839+/-0.003 χ^2/NDF: 2569058.3/78

- sign 28.823+/-0.004 χ^2/NDF: 1225765.3/39

reg_asym_usl_mean vs Slug



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

Left Out: 1595.213+/-258.450 χ^2/NDF:14.8/22

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

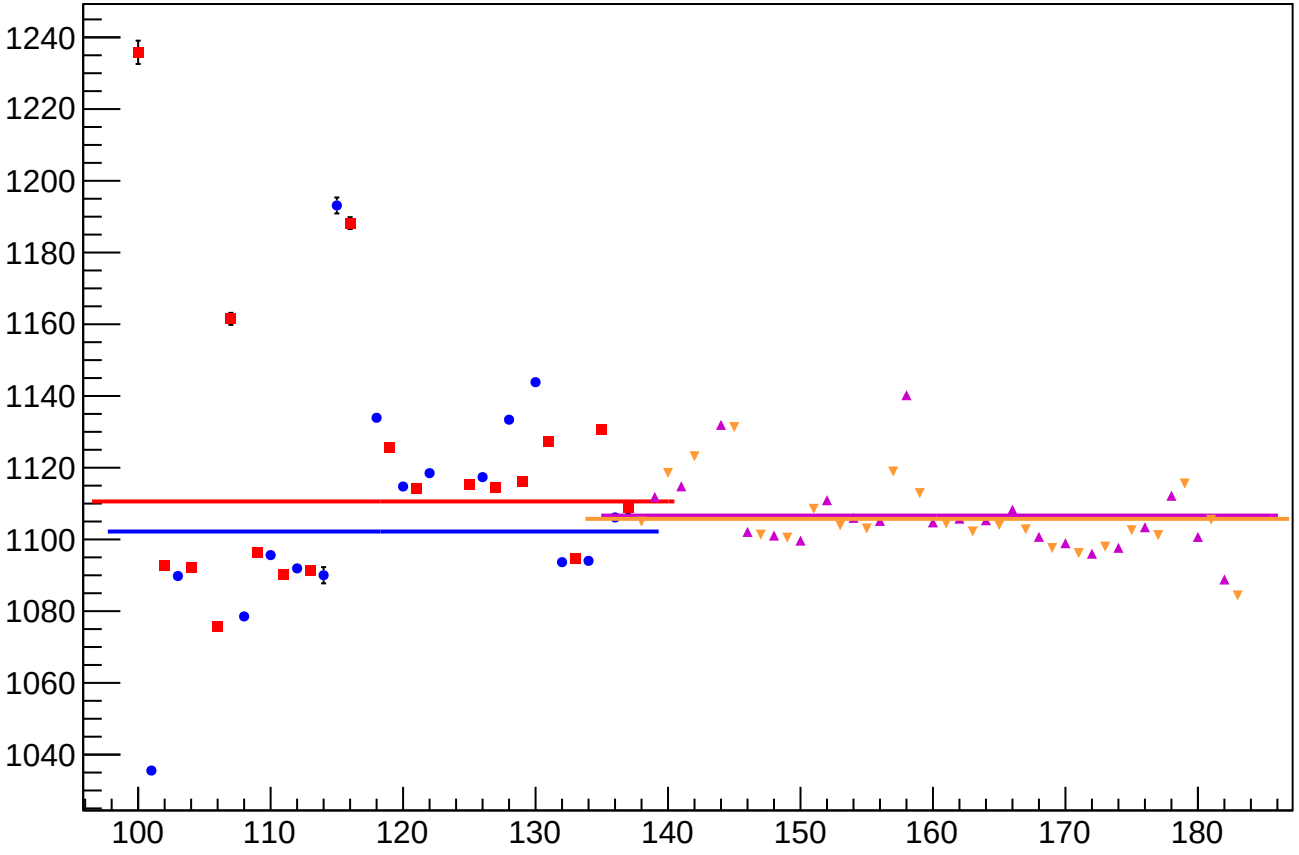
Left In: -1906.160+/-260.519 χ^2/NDF:24.0/21

+ sign 1671.069+/-218.564 χ^2/NDF: 20.4/38

All: -128.462+/-154.972 χ^2/NDF: 193.3/78

- sign -1947.882+/-219.768 χ^2/NDF: 36.6/39

reg_asym_usl_rms vs Slug



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

Left Out: 1105.738+/-0.183 χ^2/NDF:2761.5/22

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

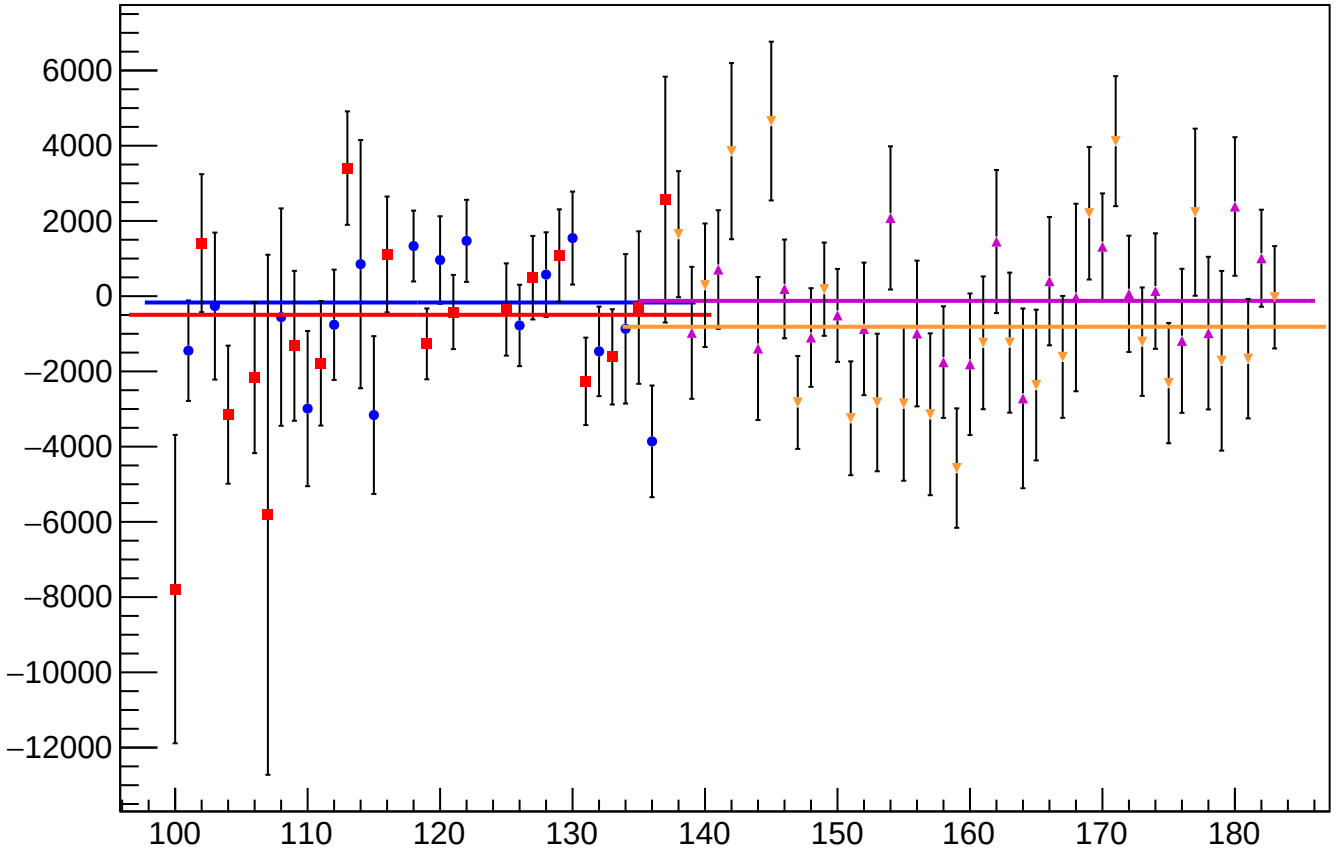
Left In: 1106.651+/-0.184 χ^2/NDF:3669.5/21

+ sign 1104.732+/-0.155 χ^2/NDF: 14216.9/38

All: 1106.251+/-0.110 χ^2/NDF: 25908.8/78

- sign 1107.787+/-0.155 χ^2/NDF: 11497.5/39

asym_usl_reg_correction_mean vs Slug



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

Left Out: -813.976+/-351.125 χ^2/NDF:43.8/22

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

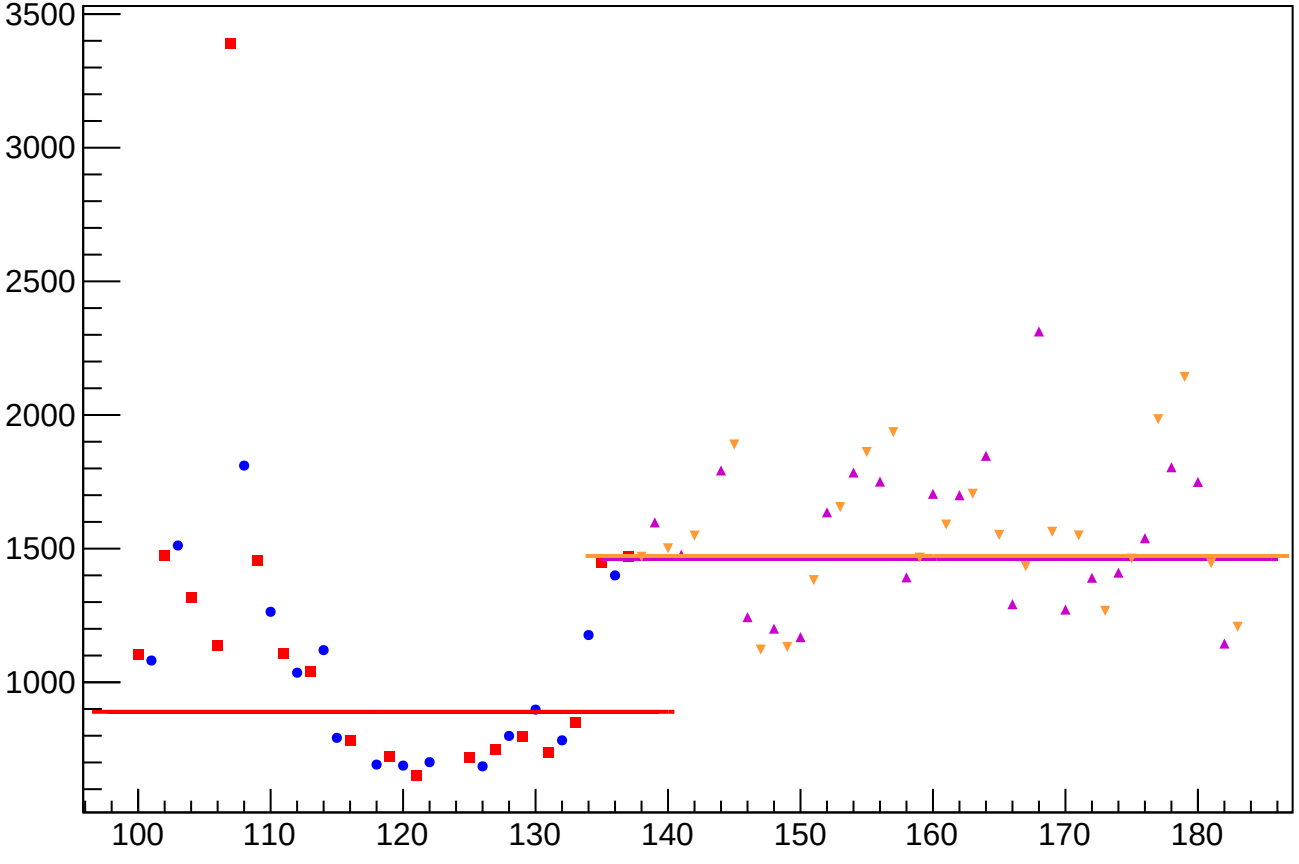
Left In: -124.634+/-350.697 χ^2/NDF:11.5/21

+ sign -485.662+/-246.249 χ^2/NDF: 66.5/38

All: -399.184+/-174.022 χ^2/NDF: 102.2/78

- sign -312.908+/-245.961 χ^2/NDF: 35.4/39

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1472.526+/-0.248 χ^2/NDF:1018849.1/22

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

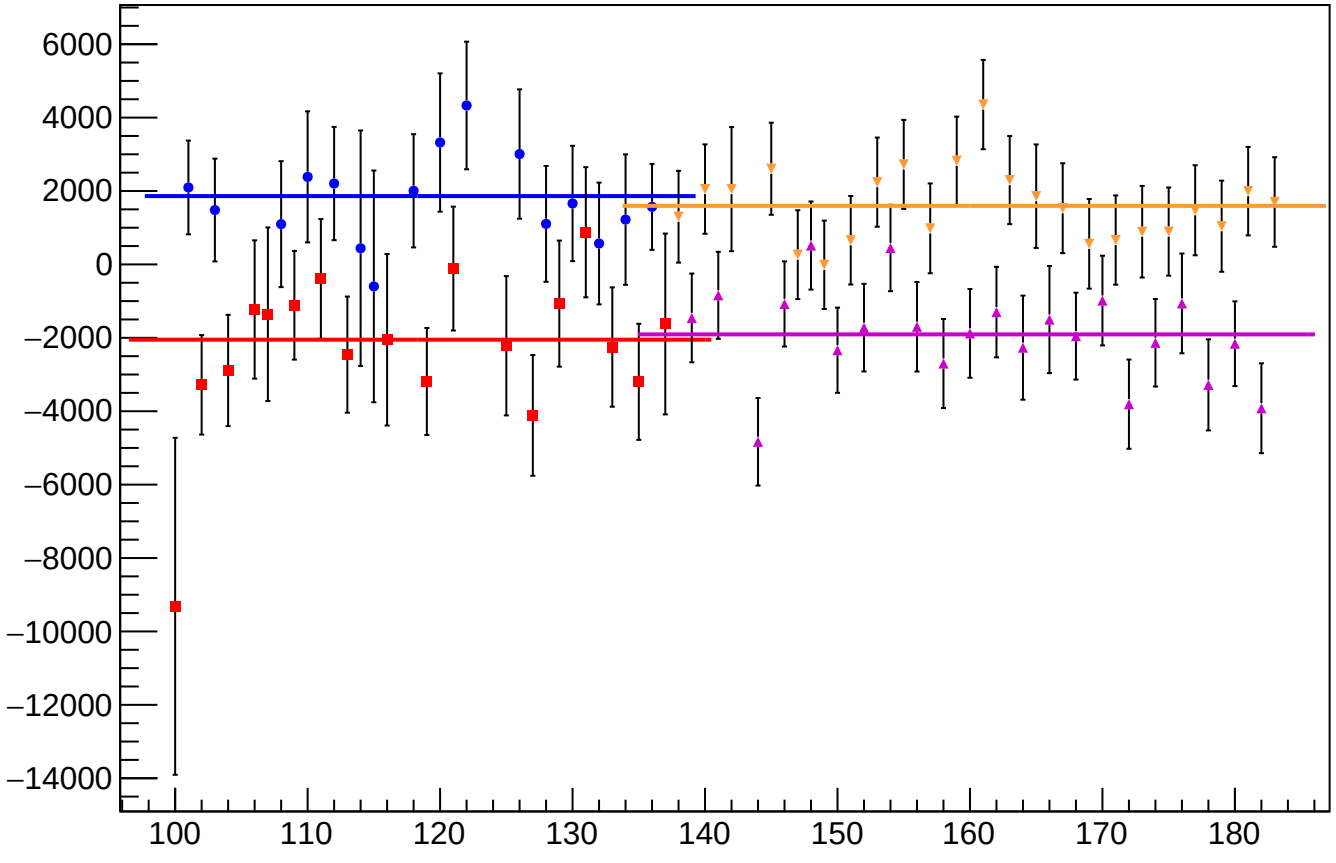
Left In: 1461.302+/-0.248 χ^2/NDF:1087601.4/21

+ sign 1175.980+/-0.174 χ^2/NDF: 4958943.7/38

All: 1173.363+/-0.123 χ^2/NDF: 10094519.2/7

- sign 1170.753+/-0.174 χ^2/NDF: 5135124.4/39

cor_asym_usl_mean vs Slug



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

Left Out: 1595.213+/-258.450 χ^2/NDF:14.8/22

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

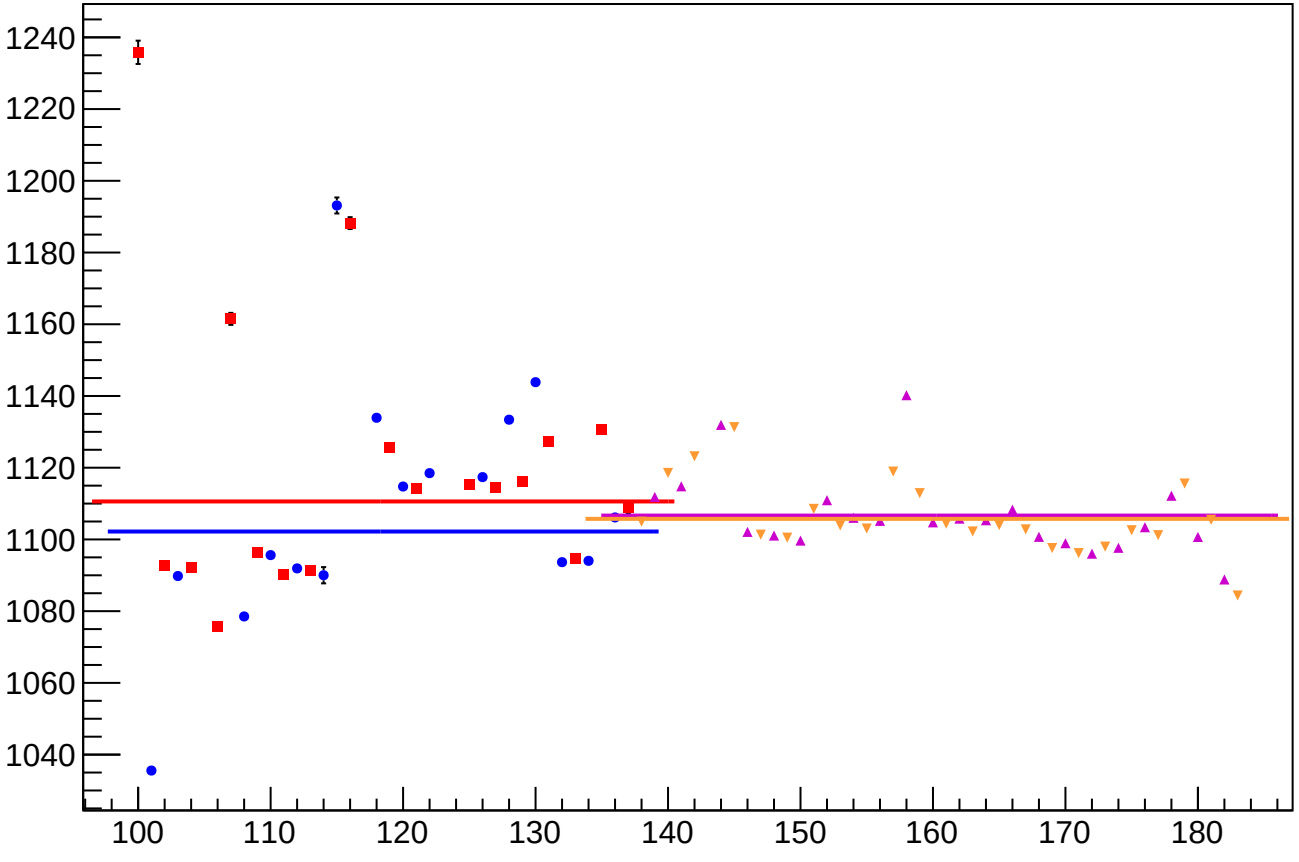
Left In: -1906.160+/-260.519 χ^2/NDF:24.0/21

+ sign 1671.069+/-218.564 χ^2/NDF: 20.4/38

All: -128.462+/-154.972 χ^2/NDF: 193.3/78

- sign -1947.882+/-219.768 χ^2/NDF: 36.6/39

cor_asym_usl_rms vs Slug



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

Left Out: 1105.738+/-0.183 χ^2/NDF:2761.5/22

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

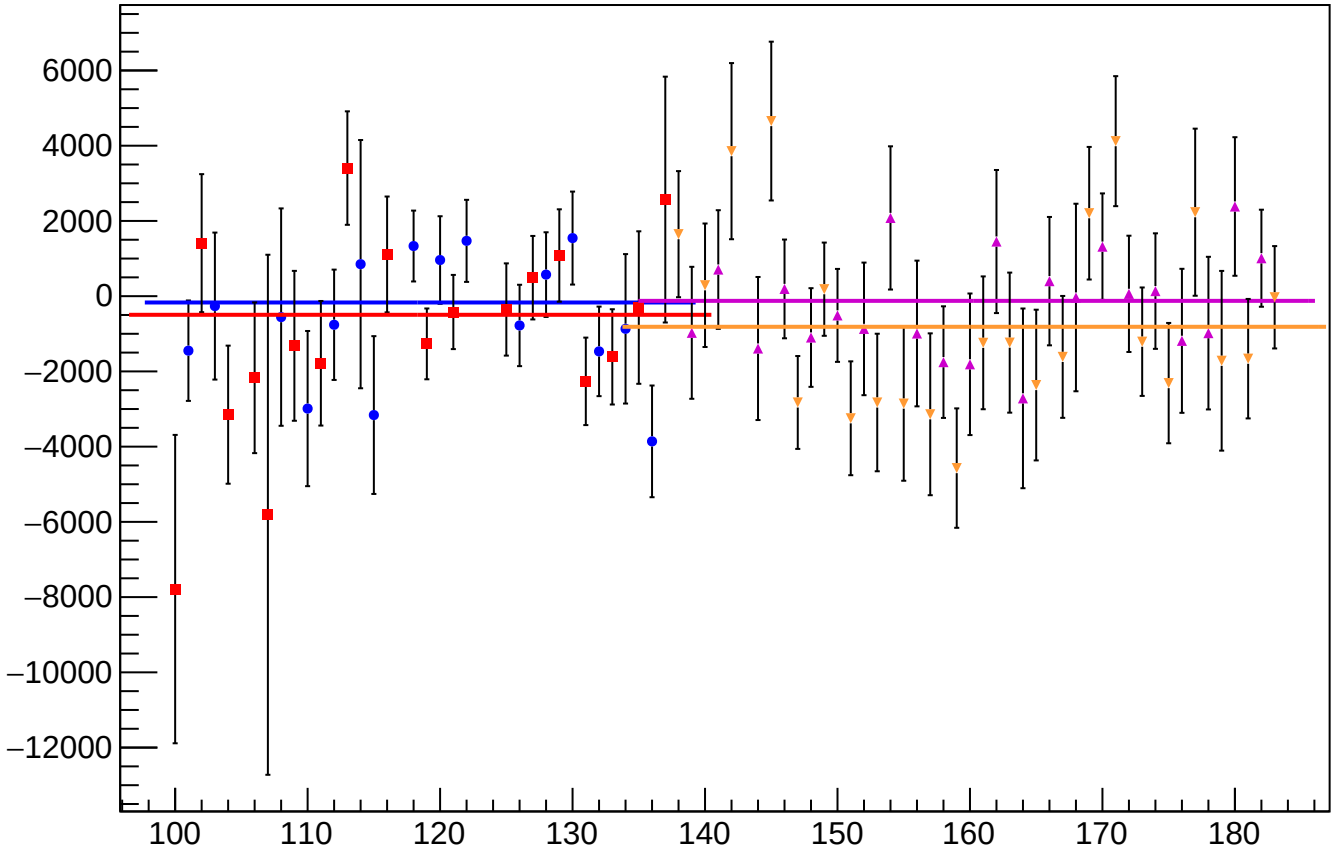
Left In: 1106.651+/-0.184 χ^2/NDF:3669.5/21

+ sign 1104.732+/-0.155 χ^2/NDF: 14216.9/38

All: 1106.251+/-0.110 χ^2/NDF: 25908.8/78

- sign 1107.787+/-0.155 χ^2/NDF: 11497.5/39

asym_usl_cor_correction_mean vs Slug



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

Left Out: -813.976+/-351.125 χ^2/NDF:43.8/22

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

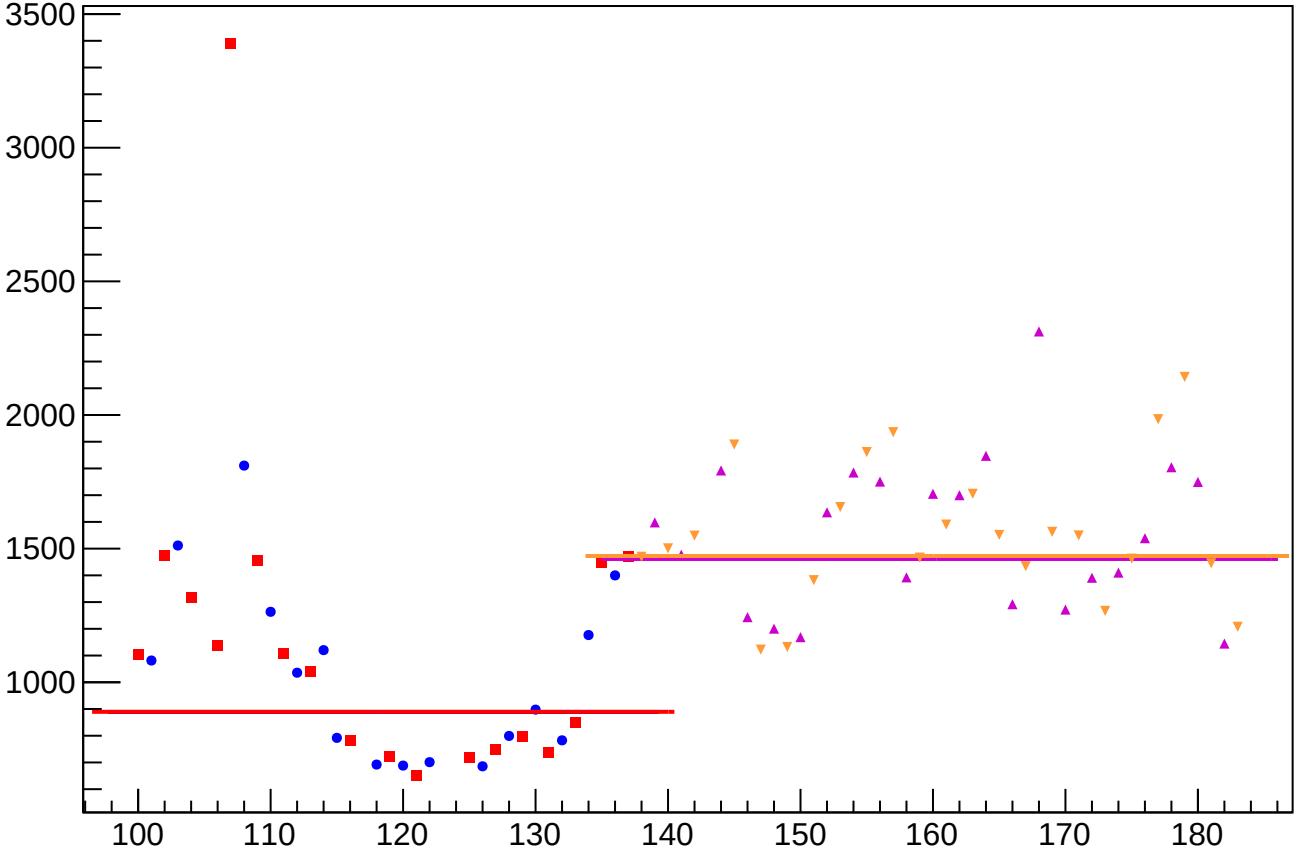
Left In: -124.634+/-350.697 χ^2/NDF:11.5/21

+ sign -485.662+/-246.249 χ^2/NDF: 66.5/38

All: -399.184+/-174.022 χ^2/NDF: 102.2/78

- sign -312.908+/-245.961 χ^2/NDF: 35.4/39

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1472.526+/-0.248 χ^2/NDF:1018849.1/22

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

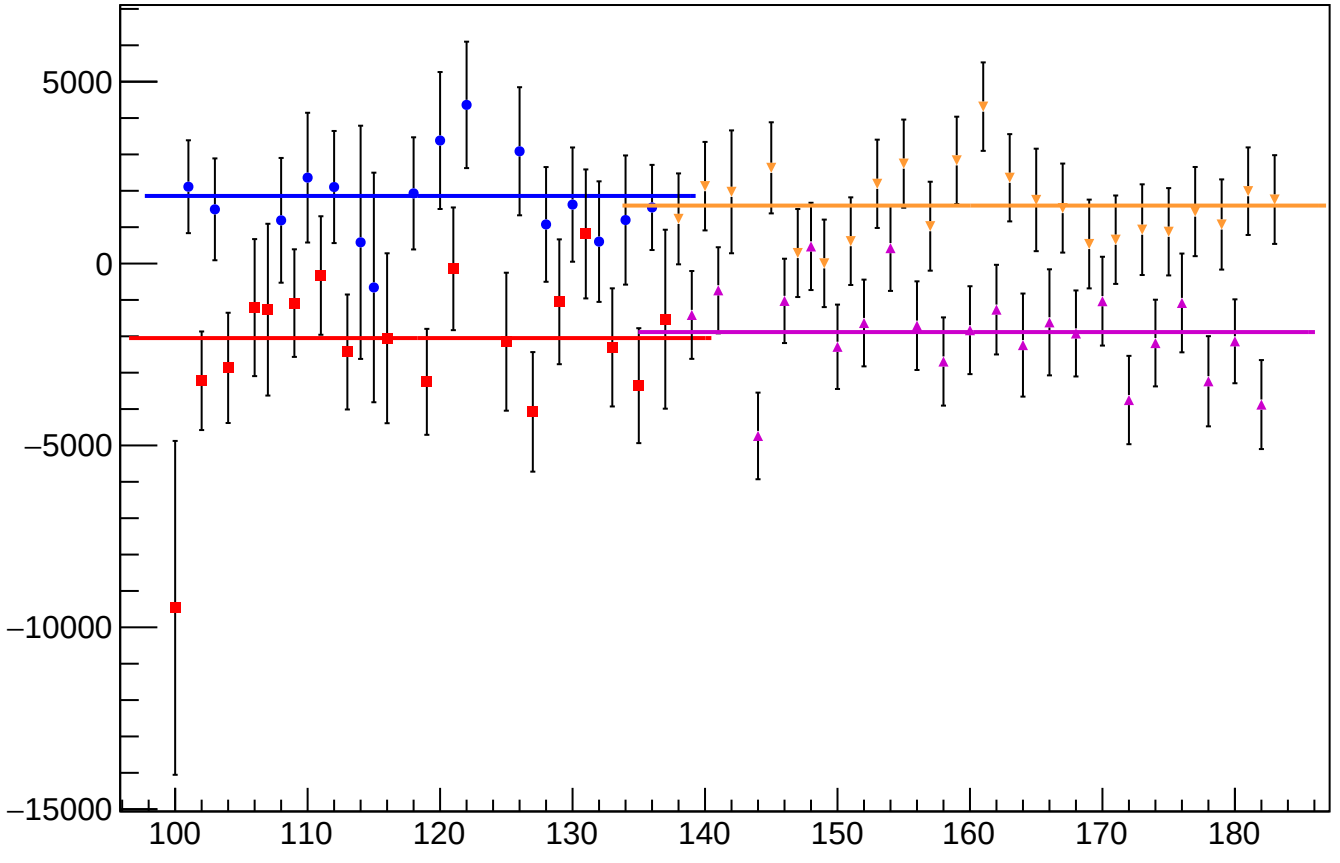
Left In: 1461.302+/-0.248 χ^2/NDF:1087601.4/21

+ sign 1175.980+/-0.174 χ^2/NDF: 4958943.7/38

All: 1173.363+/-0.123 χ^2/NDF: 10094519.2/7

- sign 1170.753+/-0.174 χ^2/NDF: 5135124.4/39

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1593.962+/-258.205 χ^2/NDF:14.8/22

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

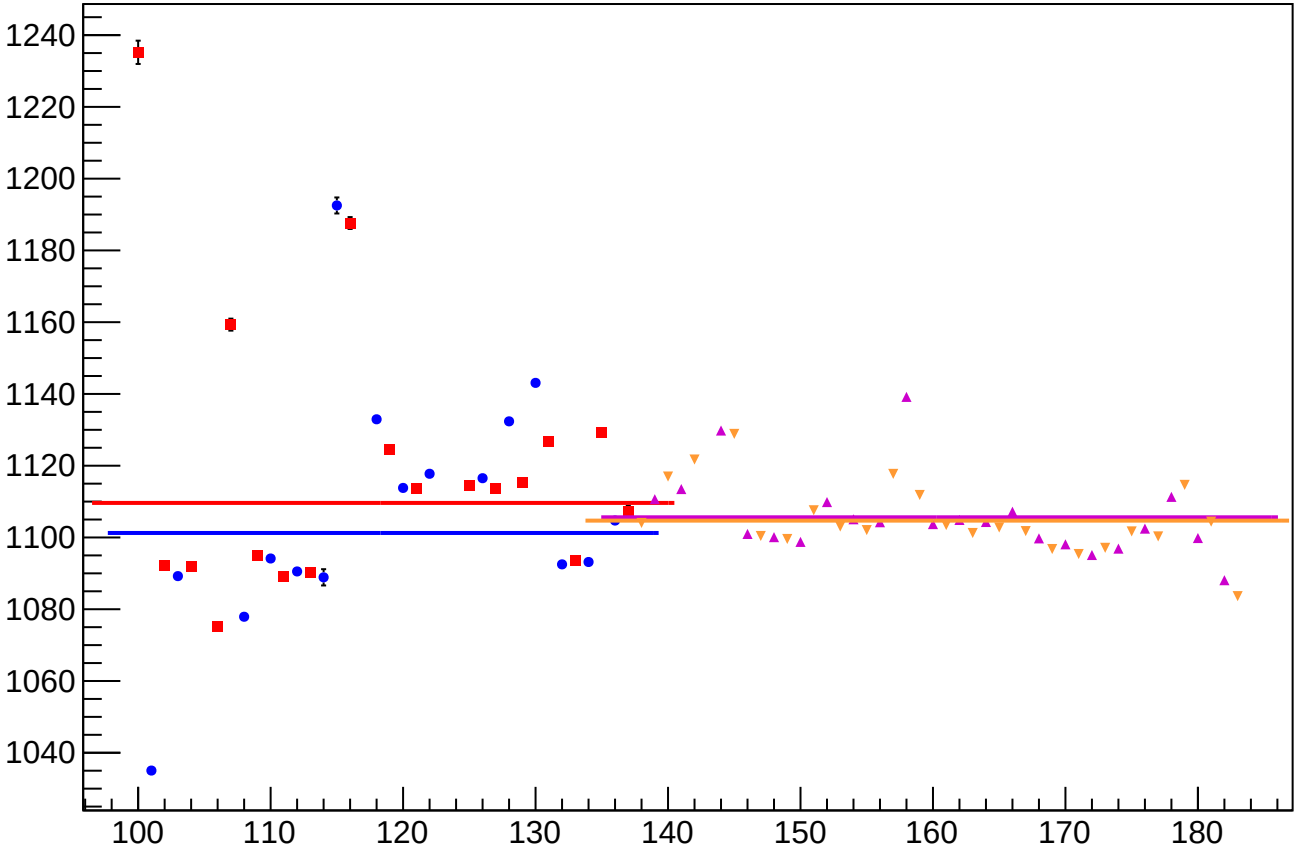
Left In: -1883.604+/-260.276 χ^2/NDF:23.2/21

+ sign 1669.355+/-218.362 χ^2/NDF: 20.5/38

All: -121.012+/-154.830 χ^2/NDF: 191.8/78

- sign -1931.201+/-219.568 χ^2/NDF: 36.1/39

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1104.696+/-0.183 χ^2/NDF:2608.9/22

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

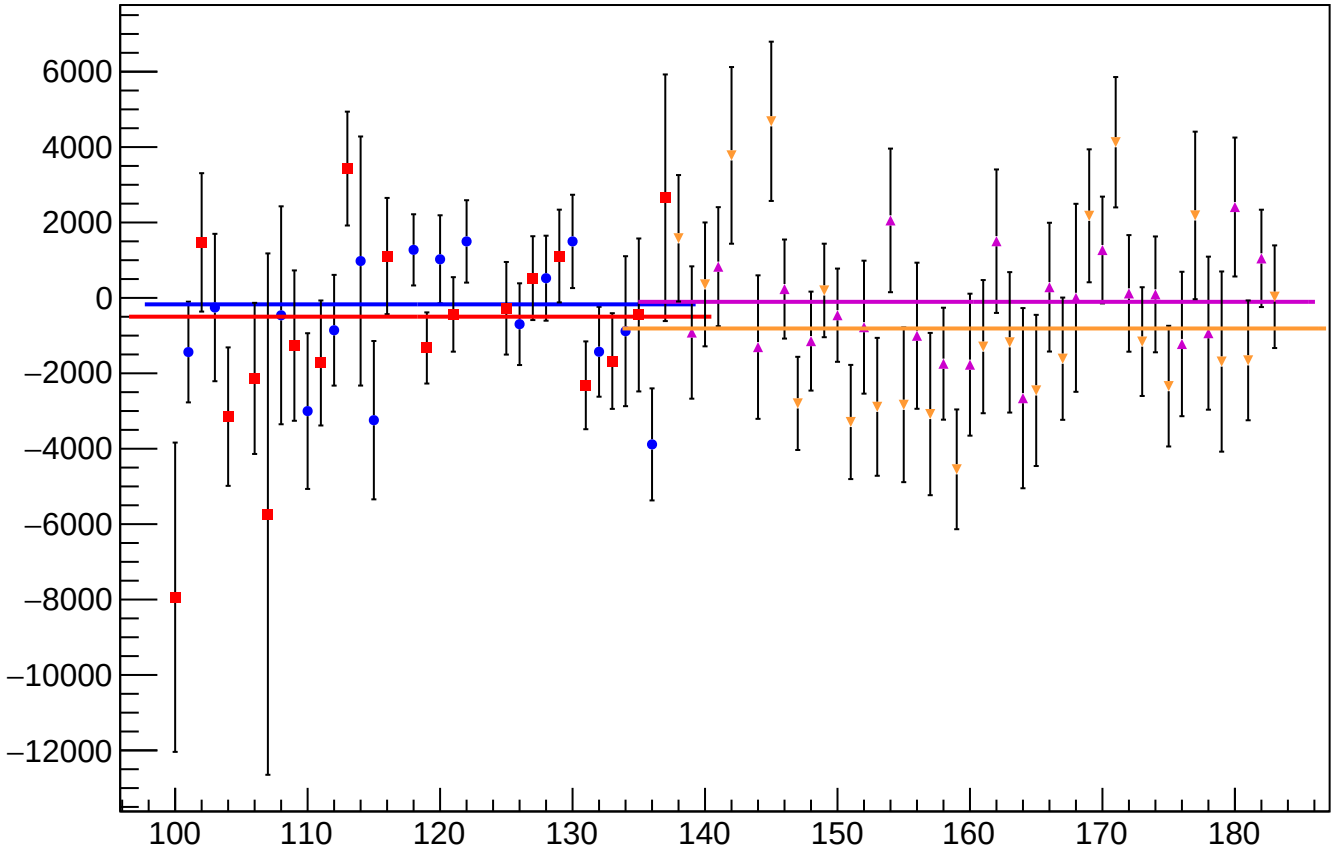
Left In: 1105.621+/-0.184 χ^2/NDF:3558.9/21

+ sign 1103.716+/-0.154 χ^2/NDF: 14018.4/38

All: 1105.238+/-0.109 χ^2/NDF: 25582.4/78

- sign 1106.776+/-0.155 χ^2/NDF: 11368.7/39

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -810.930+/-351.319 χ^2/NDF:43.6/22

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

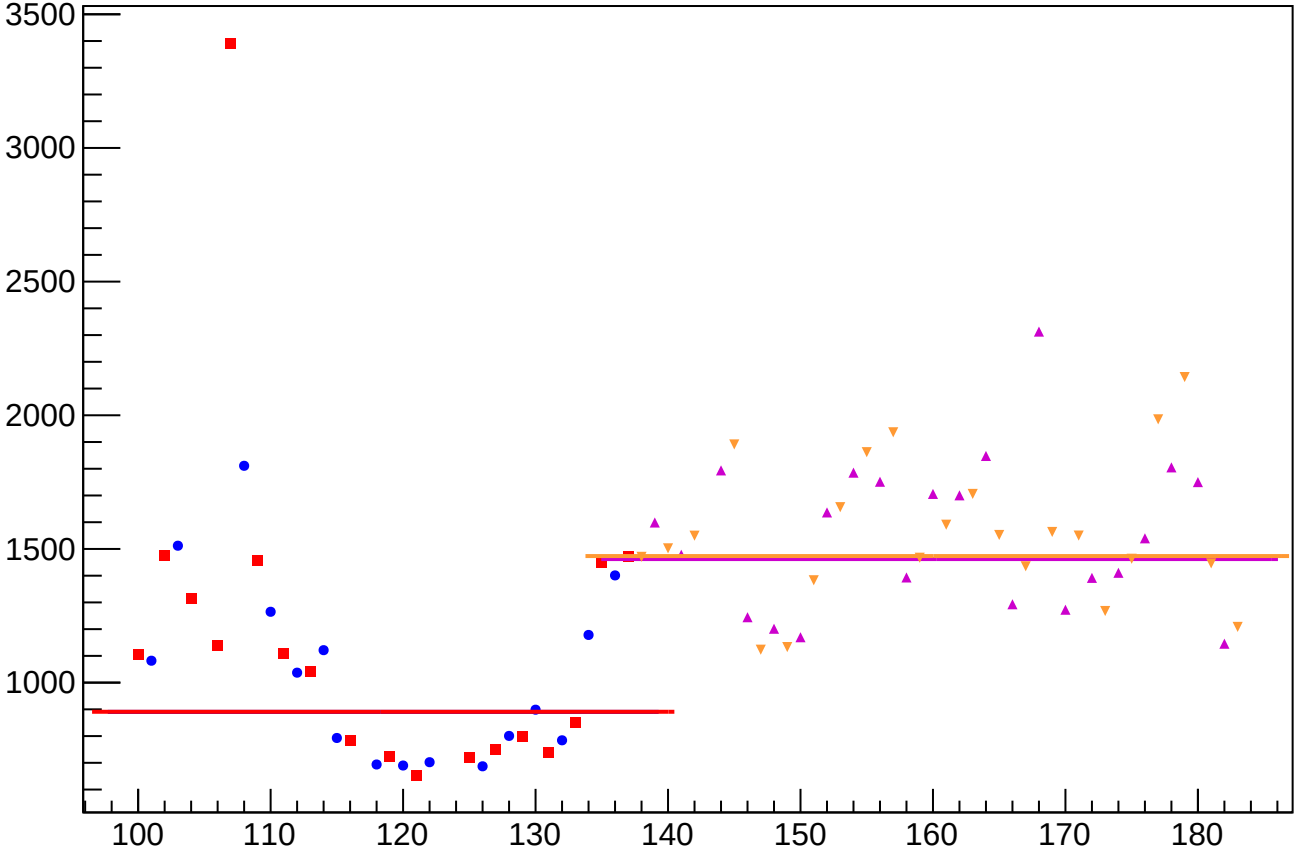
Left In: -104.257+/-350.893 χ^2/NDF:11.5/21

+ sign -486.030+/-246.511 χ^2/NDF: 66.2/38

All: -394.964+/-174.204 χ^2/NDF: 102.5/78

- sign -304.118+/-246.213 χ^2/NDF: 36.0/39

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1473.385+/-0.248 χ^2/NDF:1017391.3/22

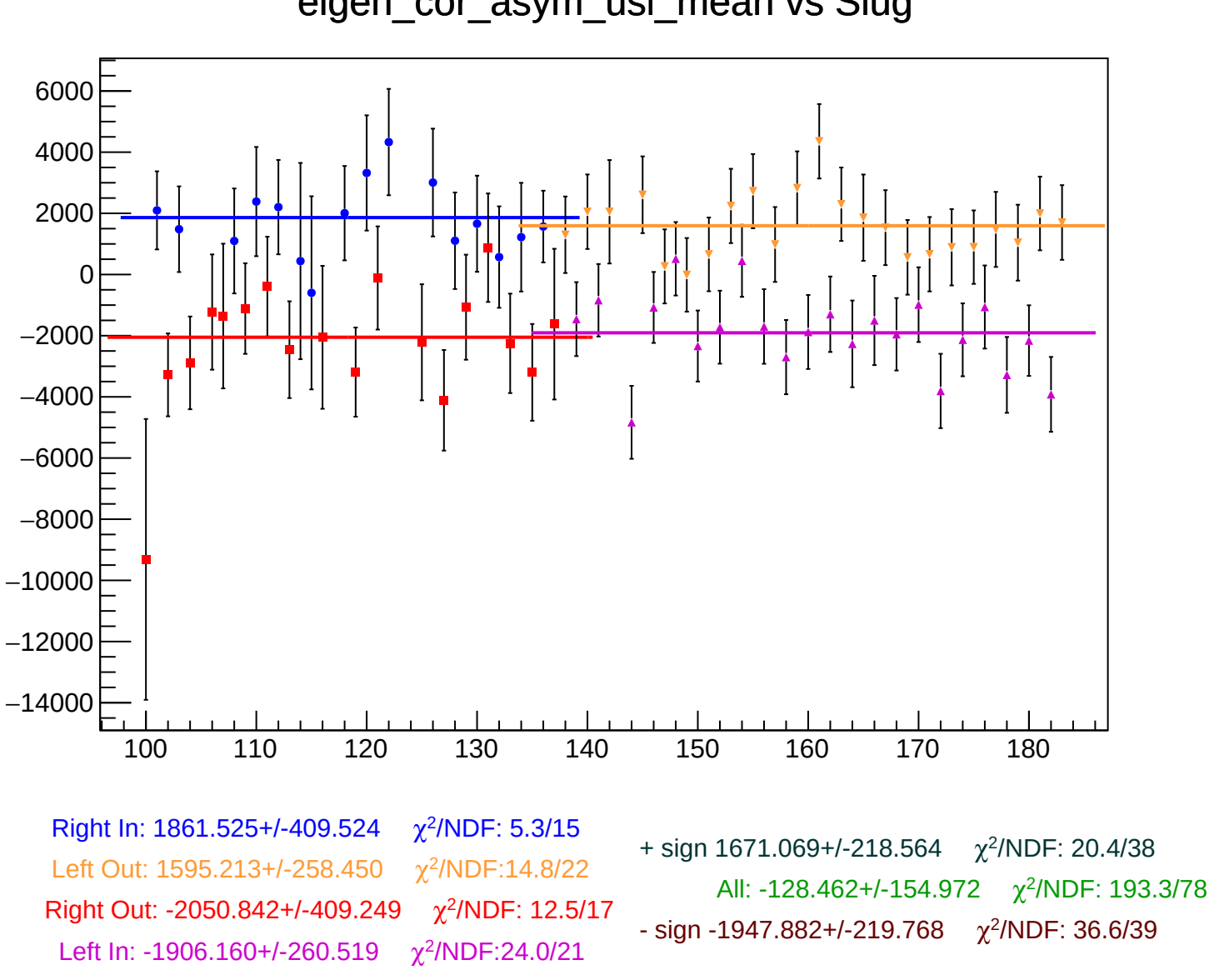
Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

Left In: 1462.158+/-0.248 χ^2/NDF:1086035.1/21

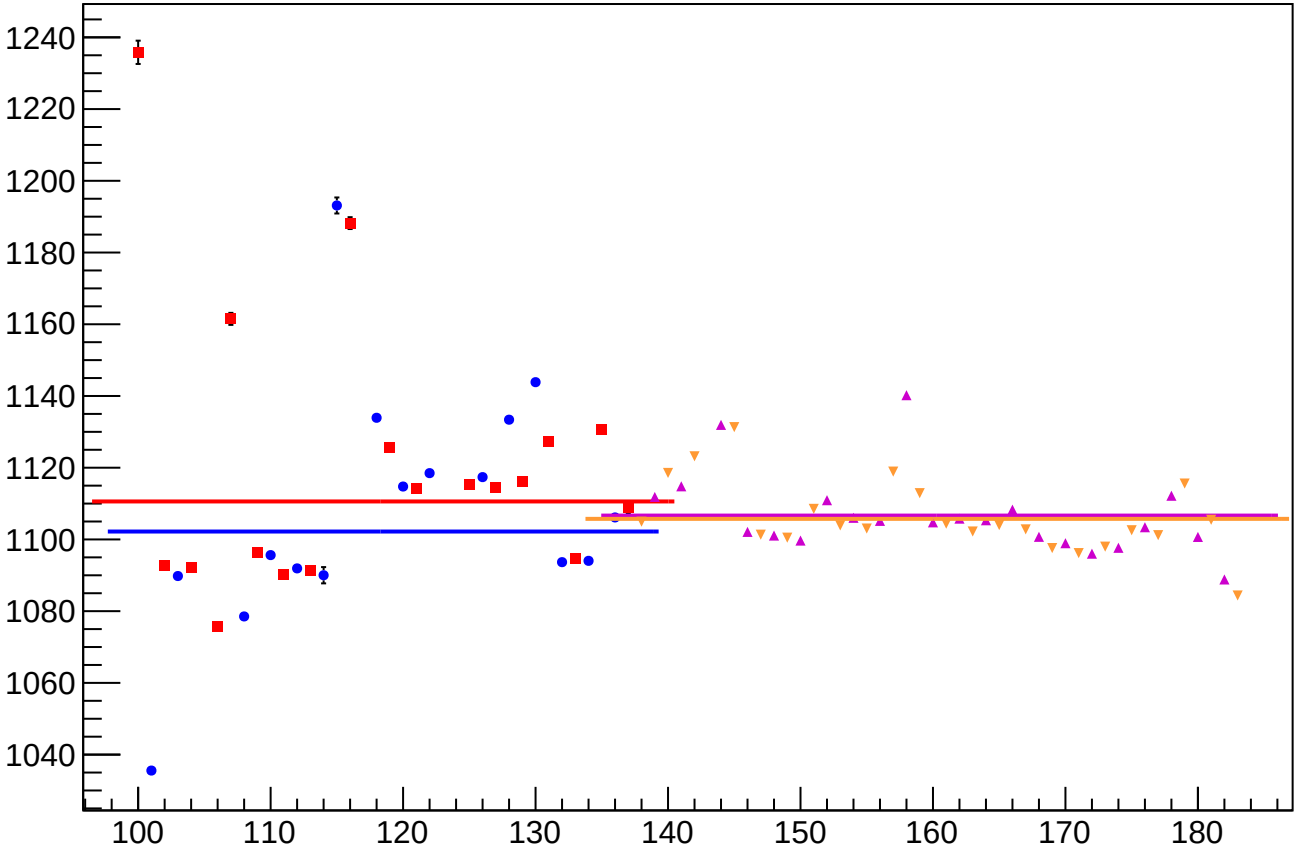
+ sign 1177.477+/-0.174 χ^2/NDF: 4941050.6/38

All: 1174.825+/-0.123 χ^2/NDF: 10059961.5/7

- sign 1172.179+/-0.174 χ^2/NDF: 5118448.4/39


eigen_cor_asym_usl_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
100
110
120
130
140
150
160
170
180
Right In: 1861.525+/-409.524 χ²/NDF: 5.3/15
Left Out: 1595.213+/-258.450 χ²/NDF:14.8/22
Right Out: -2050.842+/-409.249 χ²/NDF: 12.5/17
Left In: -1906.160+/-260.519 χ²/NDF:24.0/21
+ sign 1671.069+/-218.564 χ²/NDF: 20.4/38
All: -128.462+/-154.972 χ²/NDF: 193.3/78
- sign -1947.882+/-219.768 χ²/NDF: 36.6/39

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1105.738+/-0.183 χ^2/NDF:2761.5/22

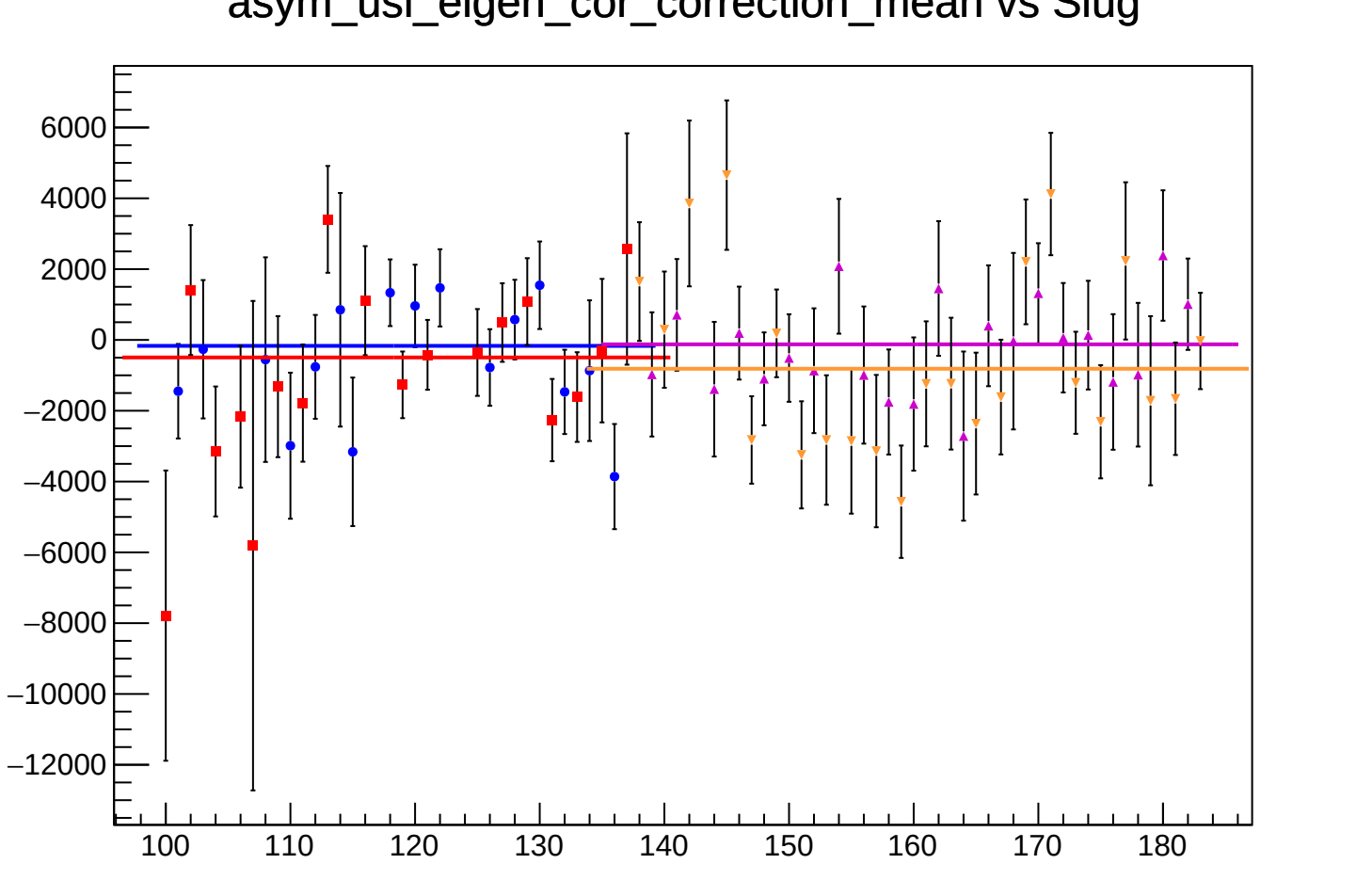
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1106.651+/-0.184 χ^2/NDF:3669.5/21

+ sign 1104.732+/-0.155 χ^2/NDF: 14216.9/38

All: 1106.251+/-0.110 χ^2/NDF: 25908.8/78

- sign 1107.787+/-0.155 χ^2/NDF: 11497.5/39



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

Left Out: -813.976+/-351.125 χ^2/NDF:43.8/22

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

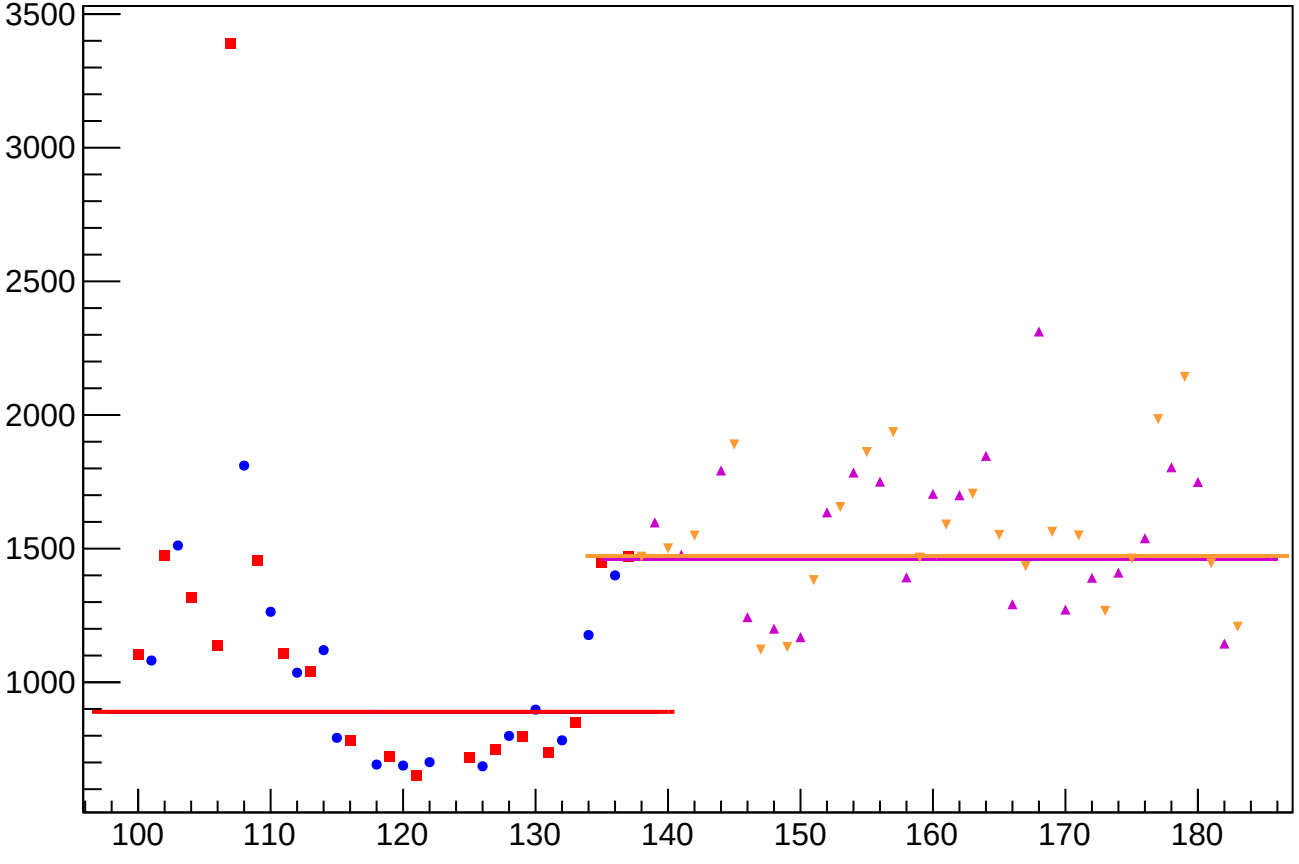
Left In: -124.634+/-350.697 χ^2/NDF:11.5/21

+ sign -485.662+/-246.249 χ^2/NDF: 66.5/38

All: -399.184+/-174.022 χ^2/NDF: 102.2/78

- sign -312.908+/-245.961 χ^2/NDF: 35.4/39

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1472.526+/-0.248 χ^2/NDF:1018849.1/22

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

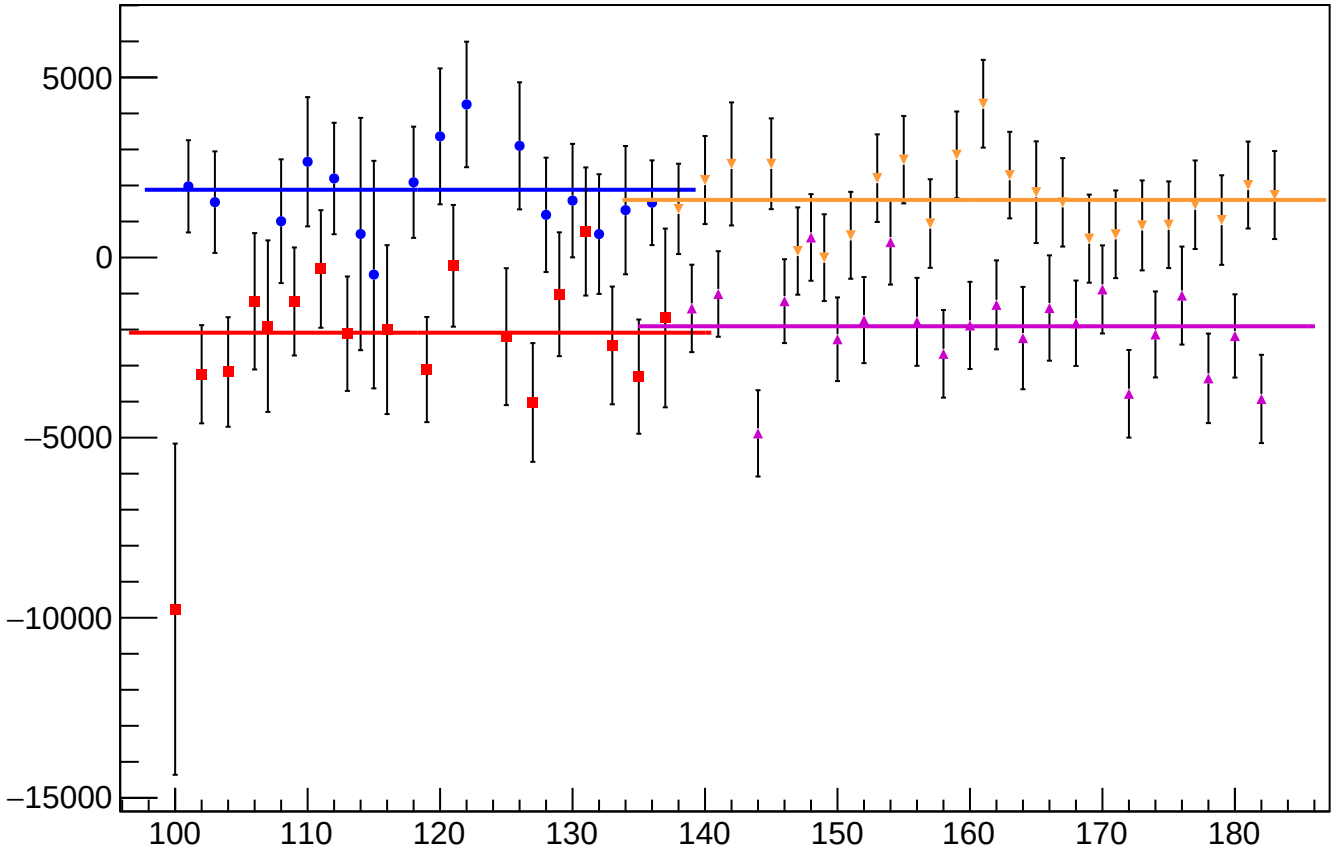
Left In: 1461.302+/-0.248 χ^2/NDF:1087601.4/21

+ sign 1175.980+/-0.174 χ^2/NDF: 4958943.7/38

All: 1173.363+/-0.123 χ^2/NDF: 10094519.2/7

- sign 1170.753+/-0.174 χ^2/NDF: 5135124.4/39

dit_asym_usl_mean vs Slug



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1599.897+/-258.926 χ^2/NDF:15.0/22

Right Out: -2086.886+/-410.785 χ^2/NDF: 12.4/17

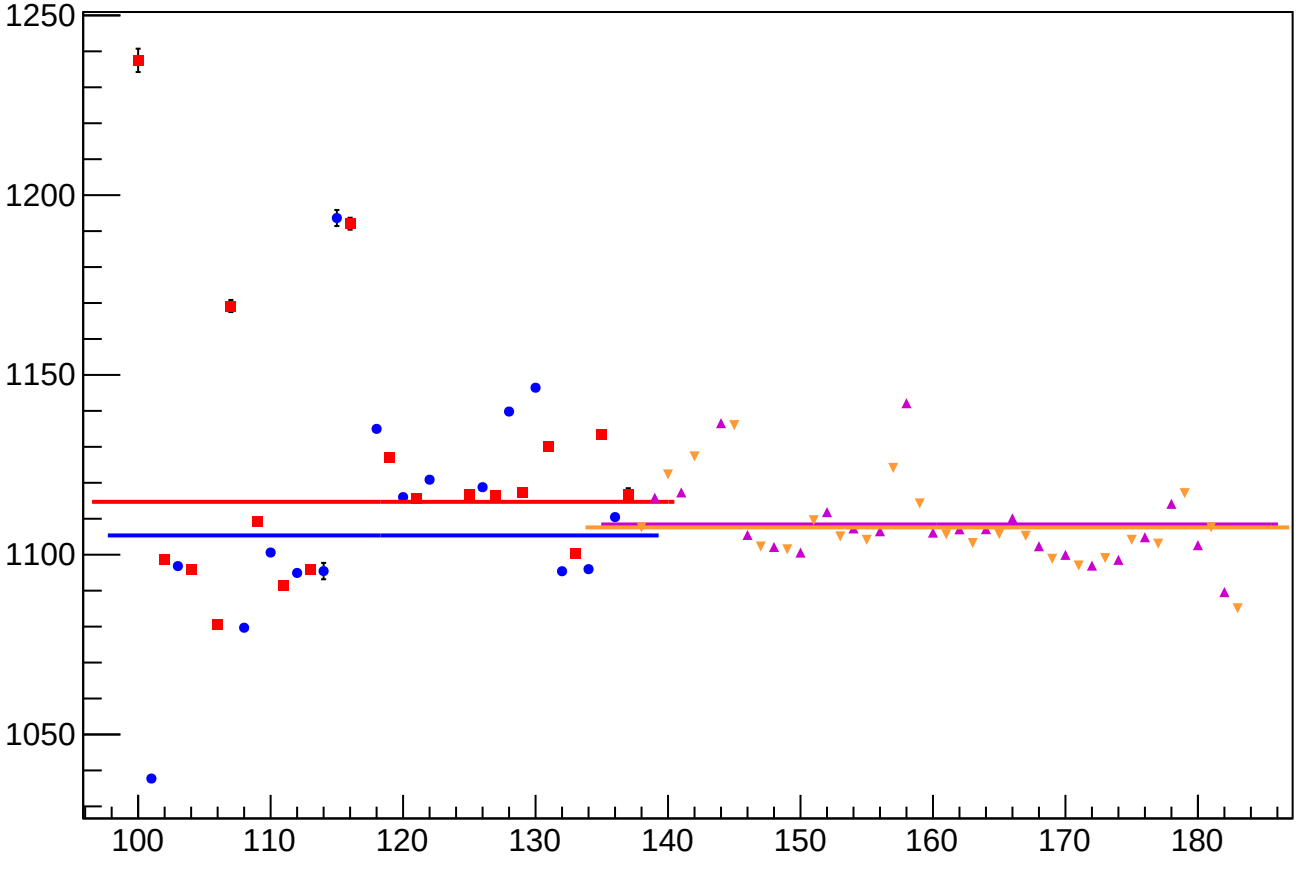
Left In: -1908.336+/-260.938 χ^2/NDF:23.9/21

+ sign 1679.997+/-219.030 χ^2/NDF: 20.5/38

All: -129.667+/-155.310 χ^2/NDF: 194.3/78

- sign -1959.669+/-220.258 χ^2/NDF: 36.5/39

dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1107.592+/-0.183 χ^2/NDF:3347.9/22

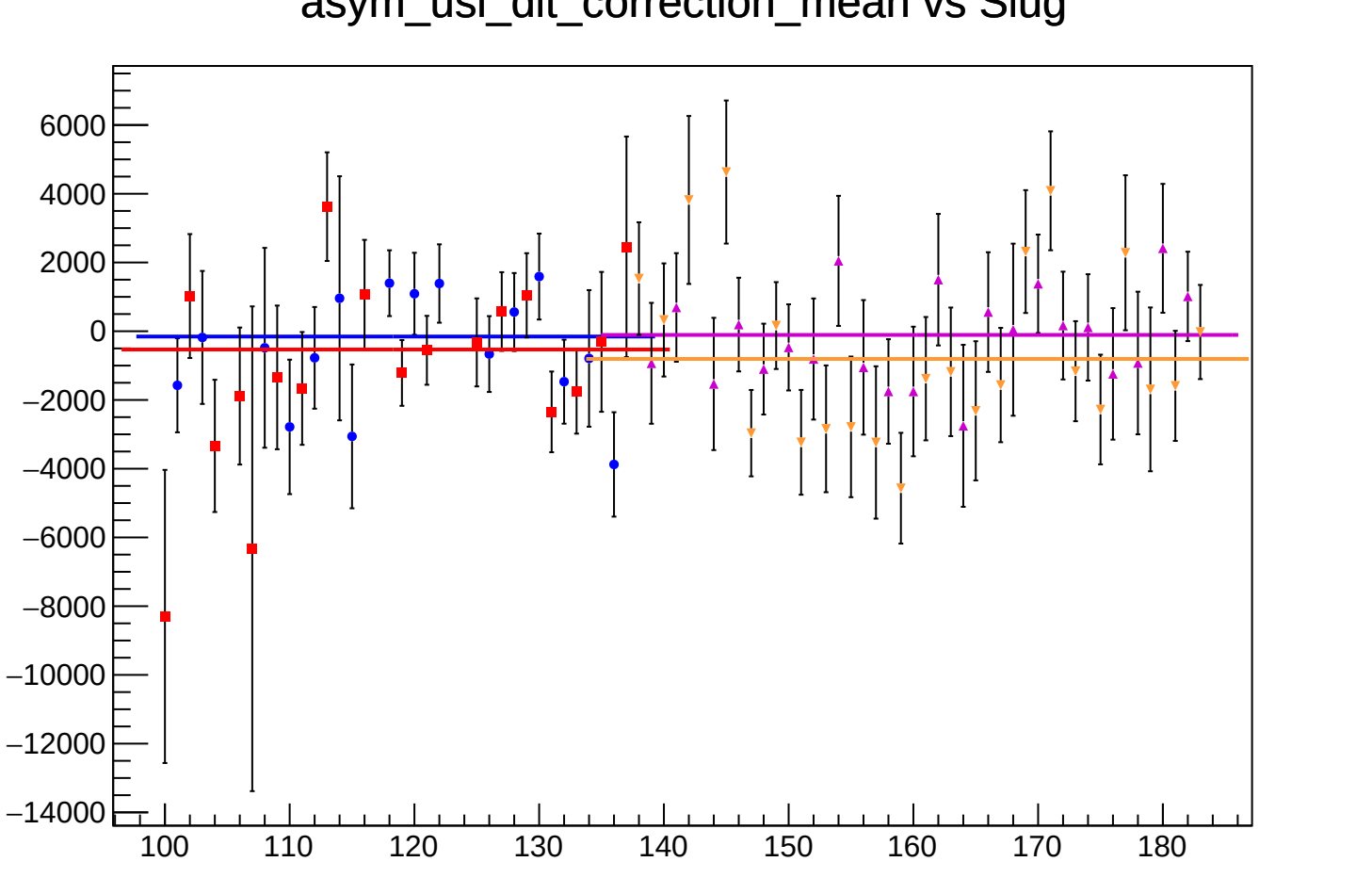
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1108.412+/-0.185 χ^2/NDF:4065.9/21

+ sign 1106.955+/-0.155 χ^2/NDF: 14721.2/38

All: 1108.579+/-0.110 χ^2/NDF: 26672.9/78

- sign 1110.221+/-0.156 χ^2/NDF: 11730.7/39



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -805.623+/-354.463 χ^2/NDF:43.2/22

Right Out: -532.155+/-350.407 χ^2/NDF: 23.2/17

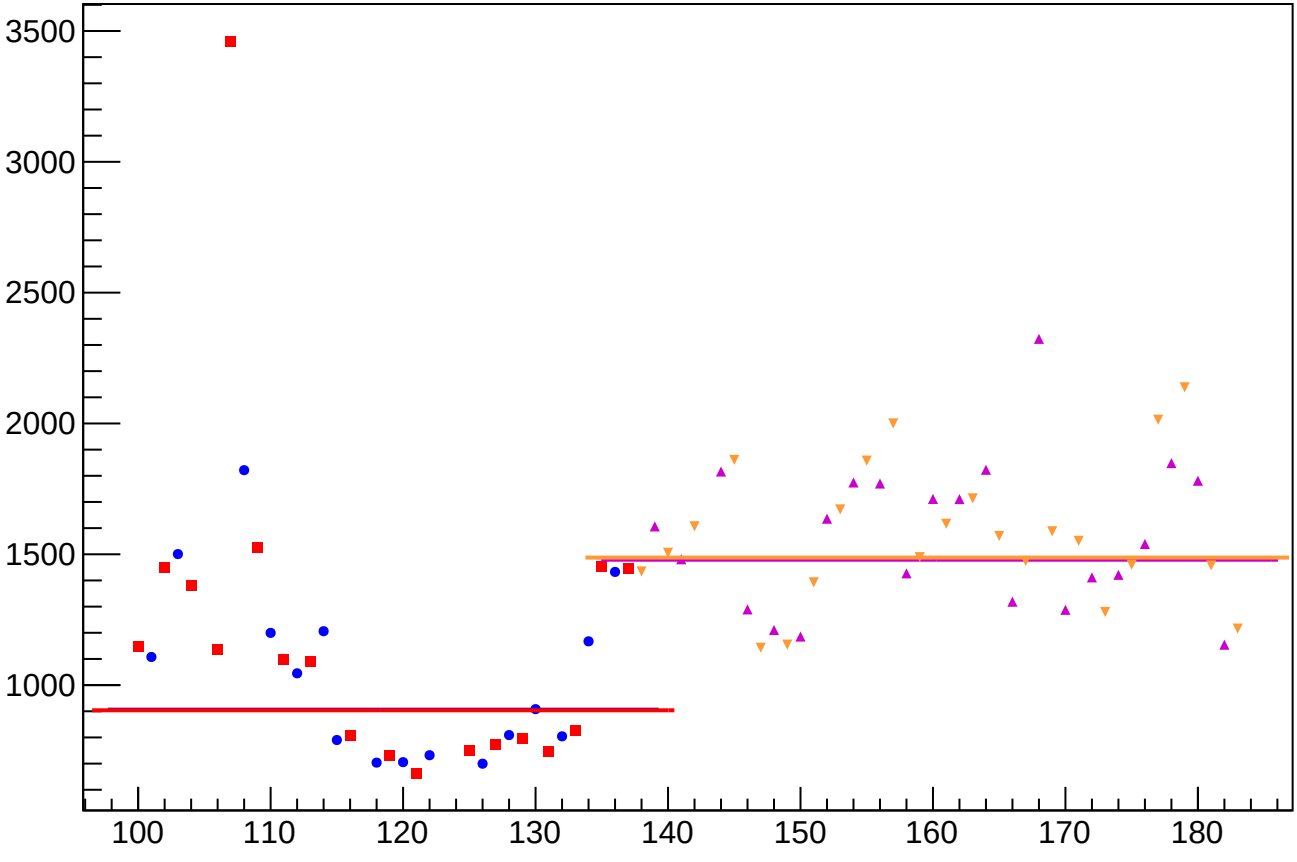
Left In: -107.765+/-354.603 χ^2/NDF:11.6/21

+ sign -476.907+/-249.524 χ^2/NDF: 65.4/38

All: -399.610+/-176.342 χ^2/NDF: 101.2/78

- sign -322.486+/-249.246 χ^2/NDF: 35.6/39

asym_usl_dit_correction_rms vs Slug



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1487.462+/-0.251 χ^2/NDF:991642.5/22

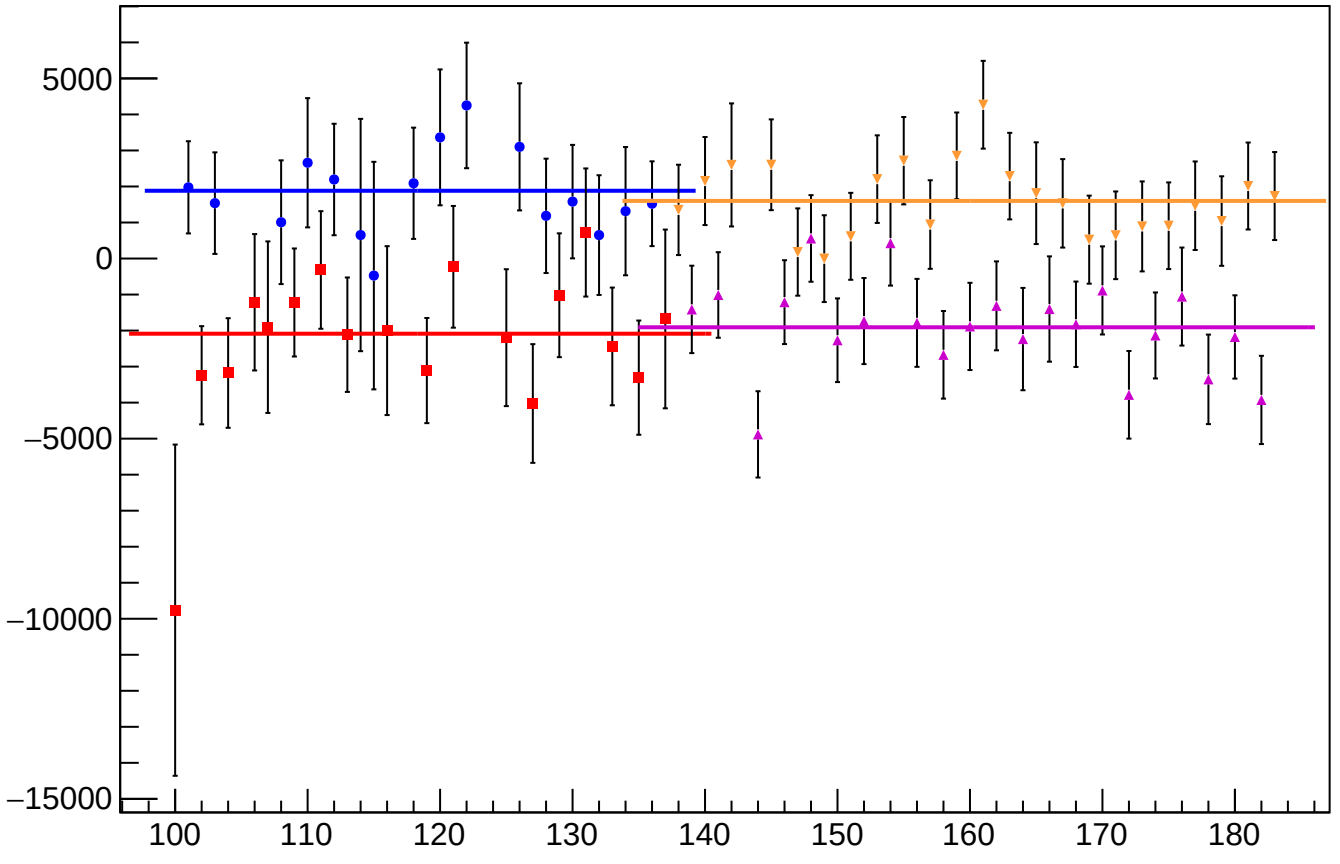
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1479.280+/-0.251 χ^2/NDF:1044831.6/21

+ sign 1194.158+/-0.176 χ^2/NDF: 4785646.8/38

All: 1191.121+/-0.125 χ^2/NDF: 9836587.2/78

- sign 1188.091+/-0.176 χ^2/NDF: 5050348.6/39



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1599.894+/-258.926 χ^2/NDF:15.0/22

Right Out: -2086.884+/-410.785 χ^2/NDF: 12.4/17

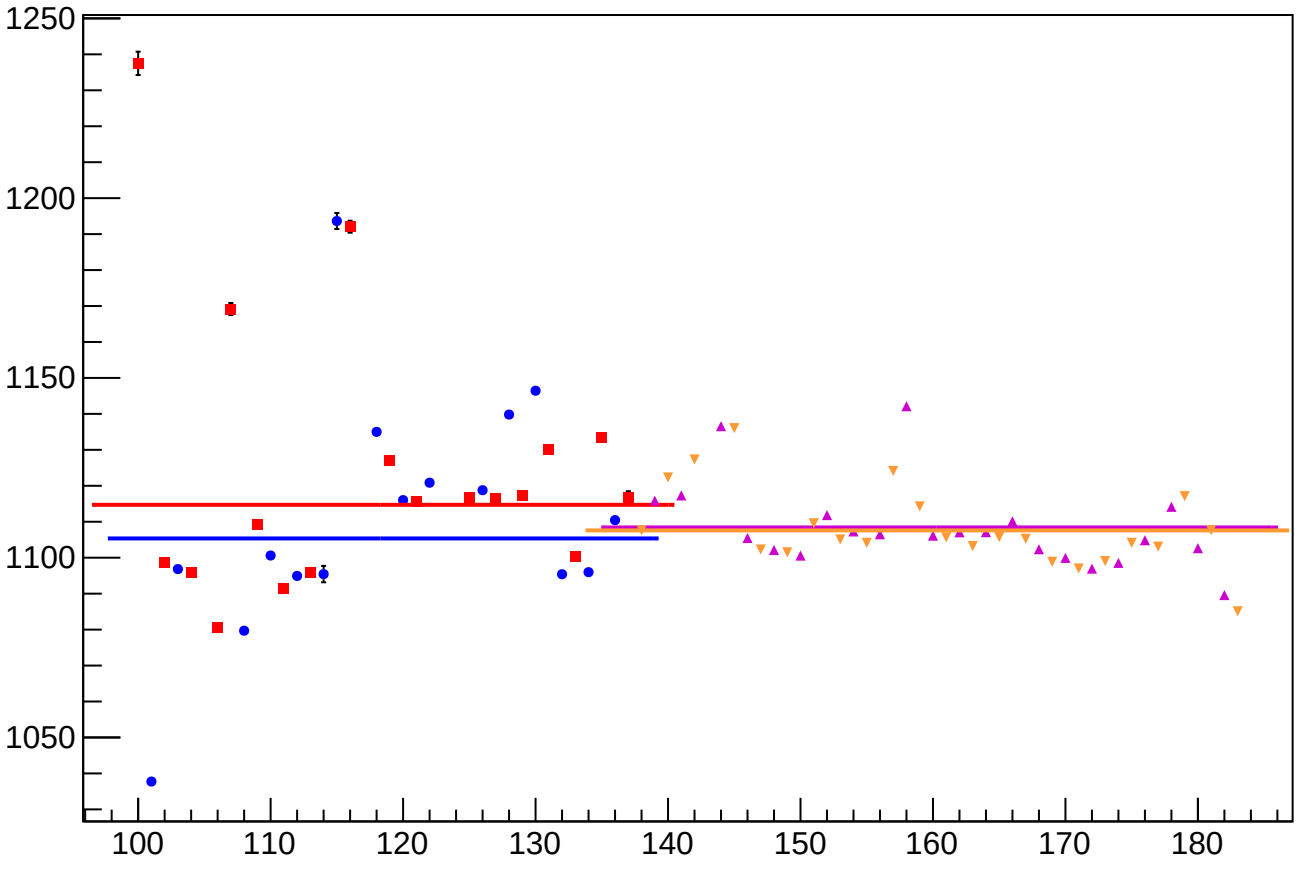
Left In: -1908.338+/-260.938 χ^2/NDF:23.9/21

+ sign 1679.995+/-219.030 χ^2/NDF: 20.5/38

All: -129.668+/-155.310 χ^2/NDF: 194.3/78

- sign -1959.669+/-220.258 χ^2/NDF: 36.5/39

eigen_dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1107.592+/-0.183 χ^2/NDF:3347.9/22

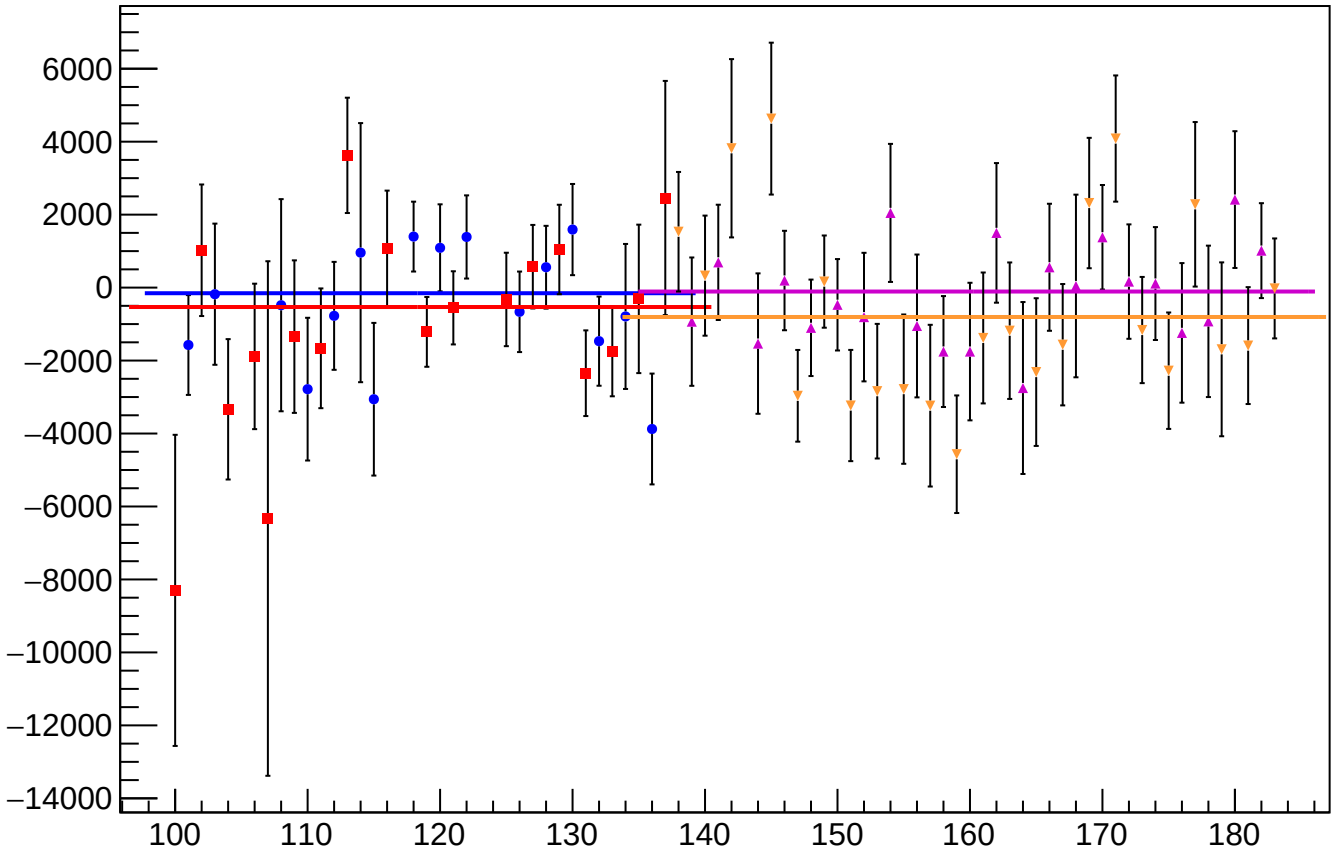
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1108.412+/-0.185 χ^2/NDF:4065.9/21

+ sign 1106.955+/-0.155 χ^2/NDF: 14721.2/38

All: 1108.579+/-0.110 χ^2/NDF: 26672.9/78

- sign 1110.221+/-0.156 χ^2/NDF: 11730.6/39



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -805.627+/-354.464 χ^2/NDF:43.2/22

Right Out: -532.154+/-350.406 χ^2/NDF: 23.2/17

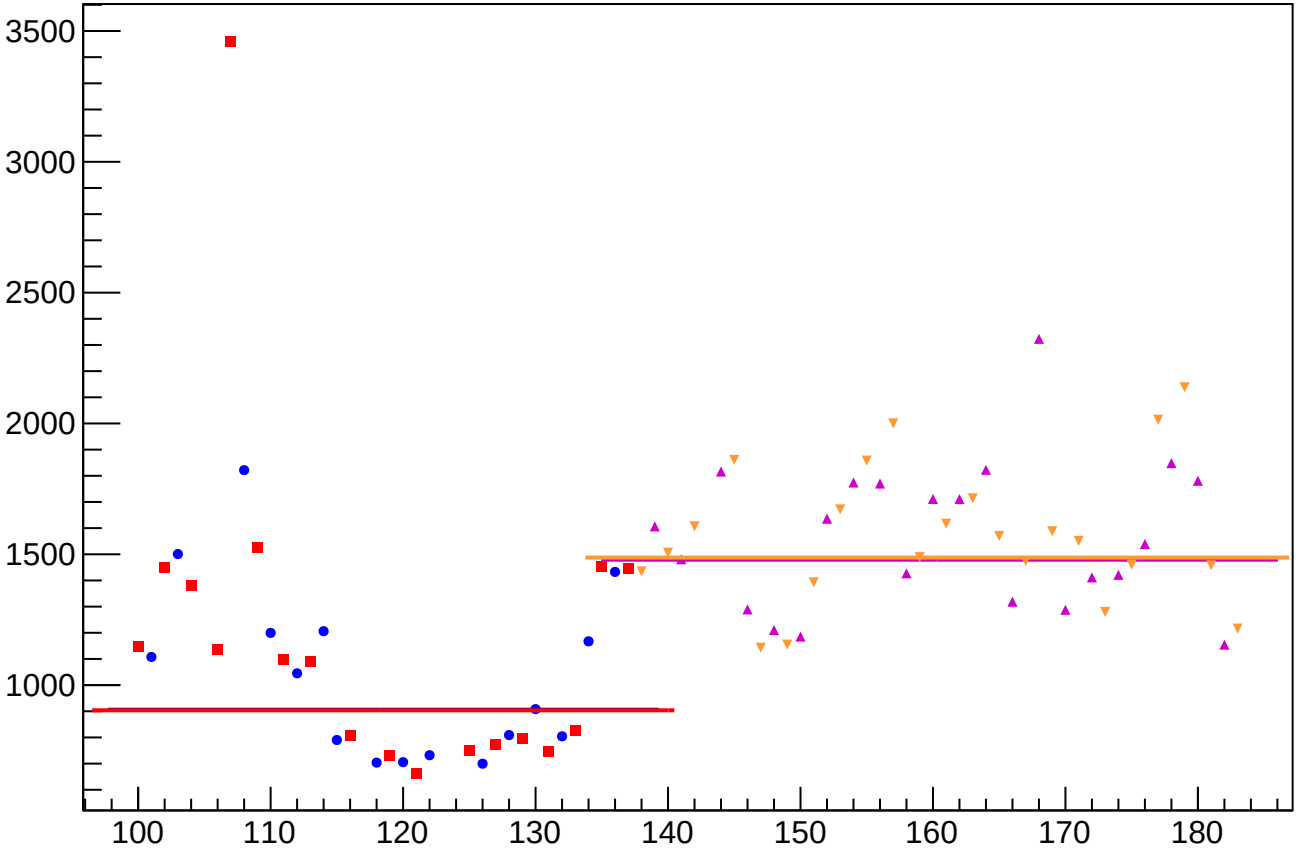
Left In: -107.766+/-354.604 χ^2/NDF:11.6/21

\+ sign -476.907+/-249.524 χ^2/NDF: 65.4/38

All: -399.611+/-176.341 χ^2/NDF: 101.2/78

\- sign -322.487+/-249.245 χ^2/NDF: 35.6/39

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1487.464+/-0.251 χ^2/NDF:991639.4/22

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

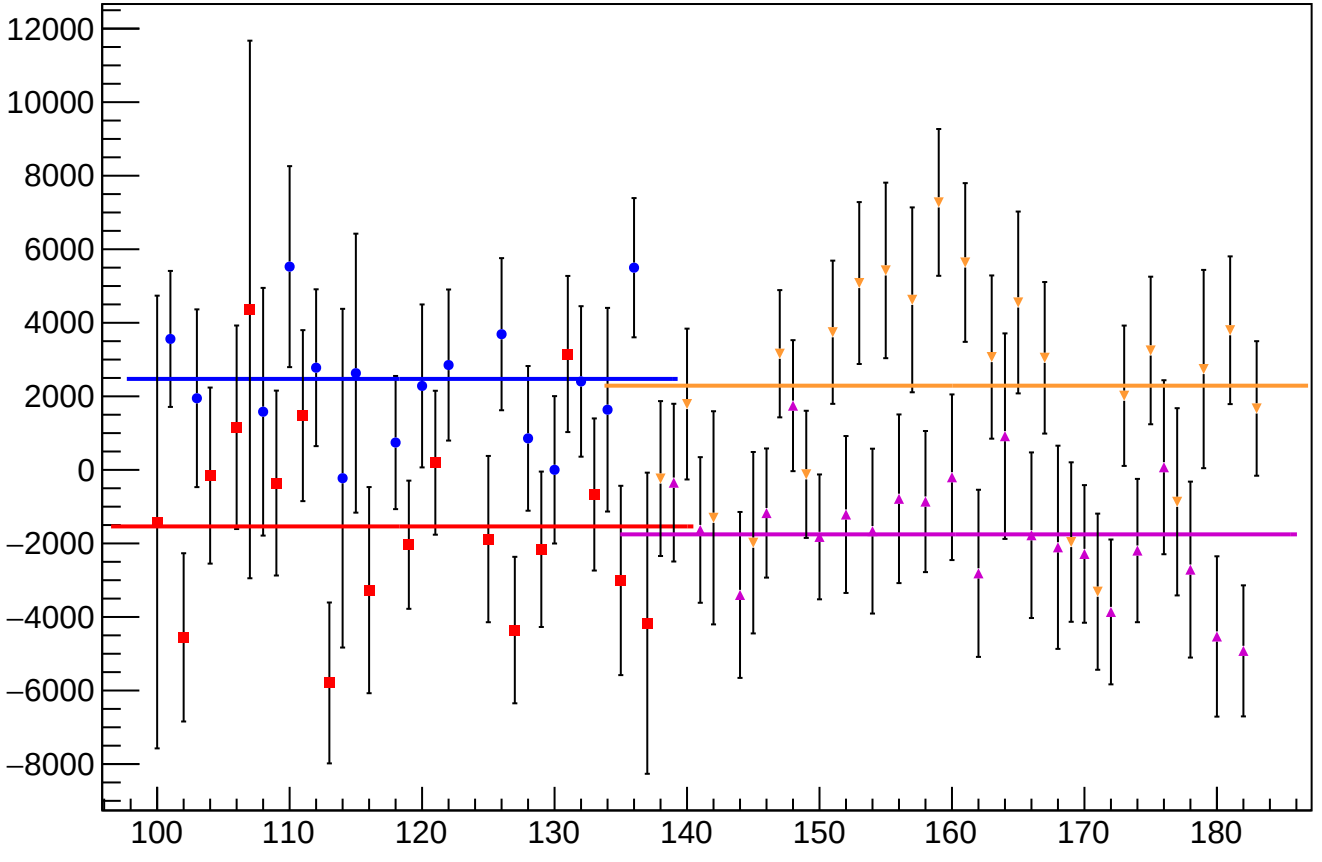
Left In: 1479.281+/-0.251 χ^2/NDF:1044828.9/21

+ sign 1194.157+/-0.176 χ^2/NDF: 4785683.3/38

All: 1191.120+/-0.125 χ^2/NDF: 9836659.8/78

- sign 1188.090+/-0.176 χ^2/NDF: 5050384.7/39

asym_usl_mean vs Slug



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2290.089+/-443.573 χ^2/NDF:36.0/22

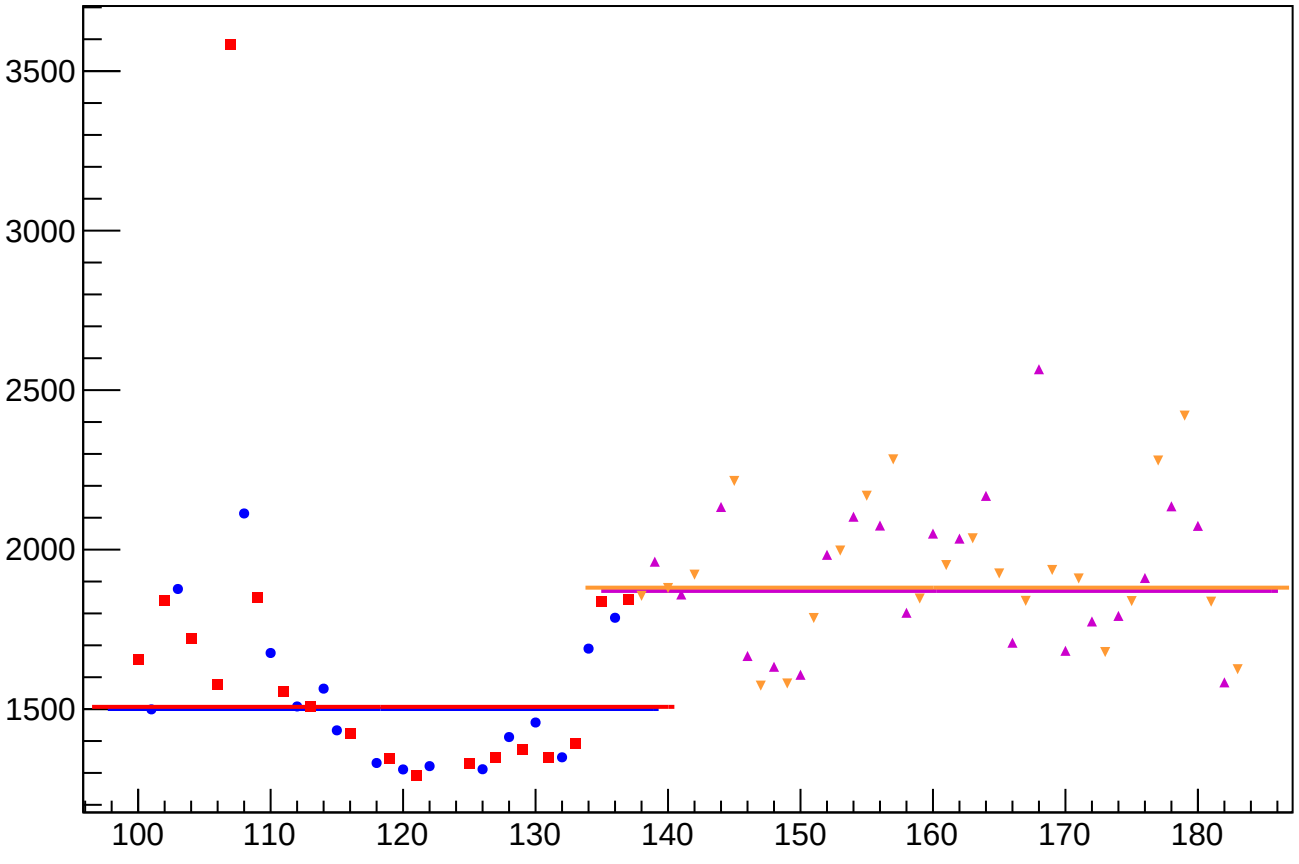
Right Out: -1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: -1753.349+/-444.216 χ^2/NDF:13.8/21

+ sign 2360.584+/-348.376 χ^2/NDF: 44.3/38

All: 347.830+/-246.512 χ^2/NDF: 143.6/78

- sign -1670.607+/-348.867 χ^2/NDF: 32.4/39



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1880.777+/-0.314 χ^2/NDF:459436.1/22

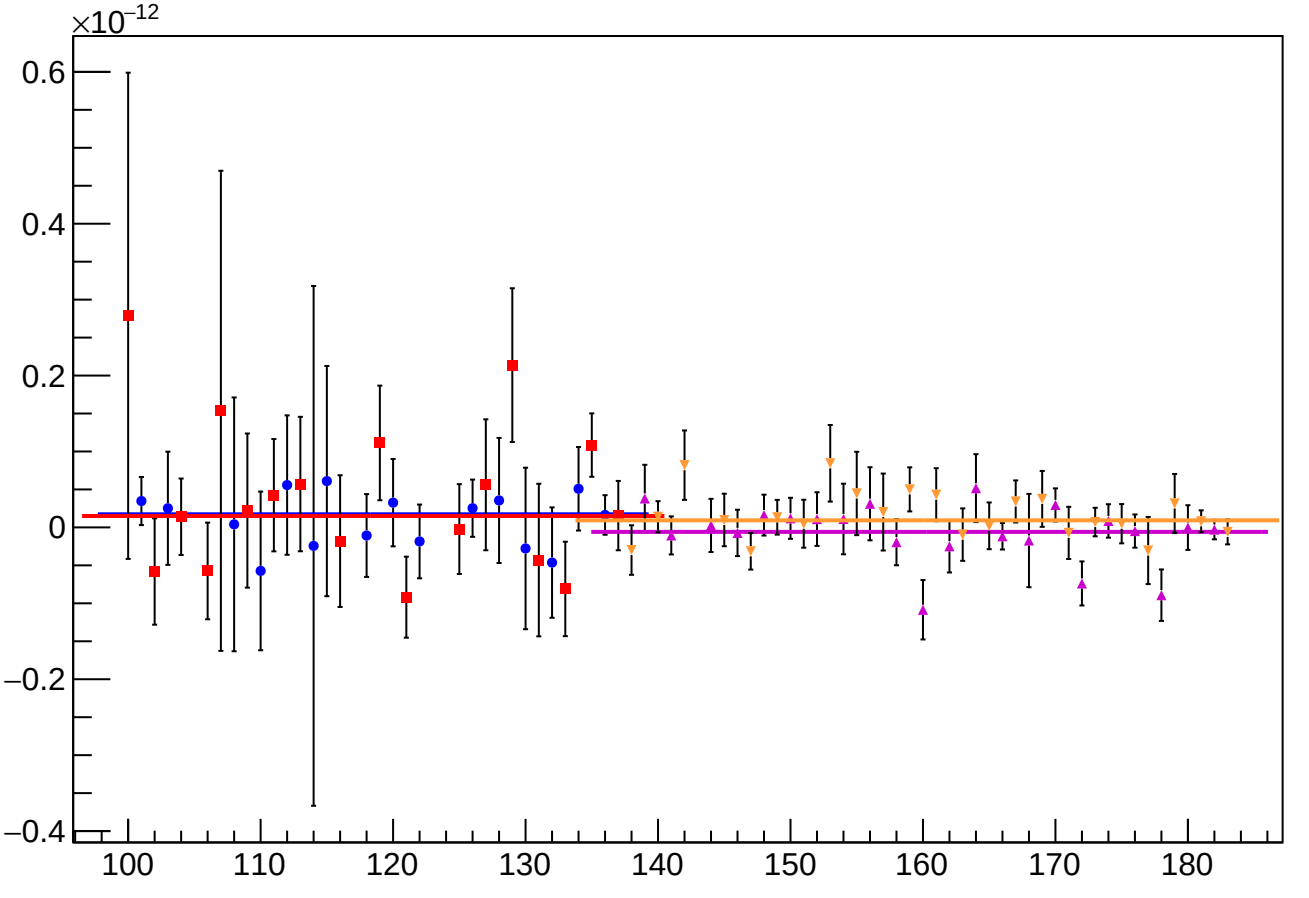
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1870.544+/-0.314 χ^2/NDF:492421.5/21

+ sign 1735.018+/-0.246 χ^2/NDF: 1281831.5/38

All: 1733.144+/-0.174 χ^2/NDF: 2688657.0/78

- sign 1731.265+/-0.247 χ^2/NDF: 1406709.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/22

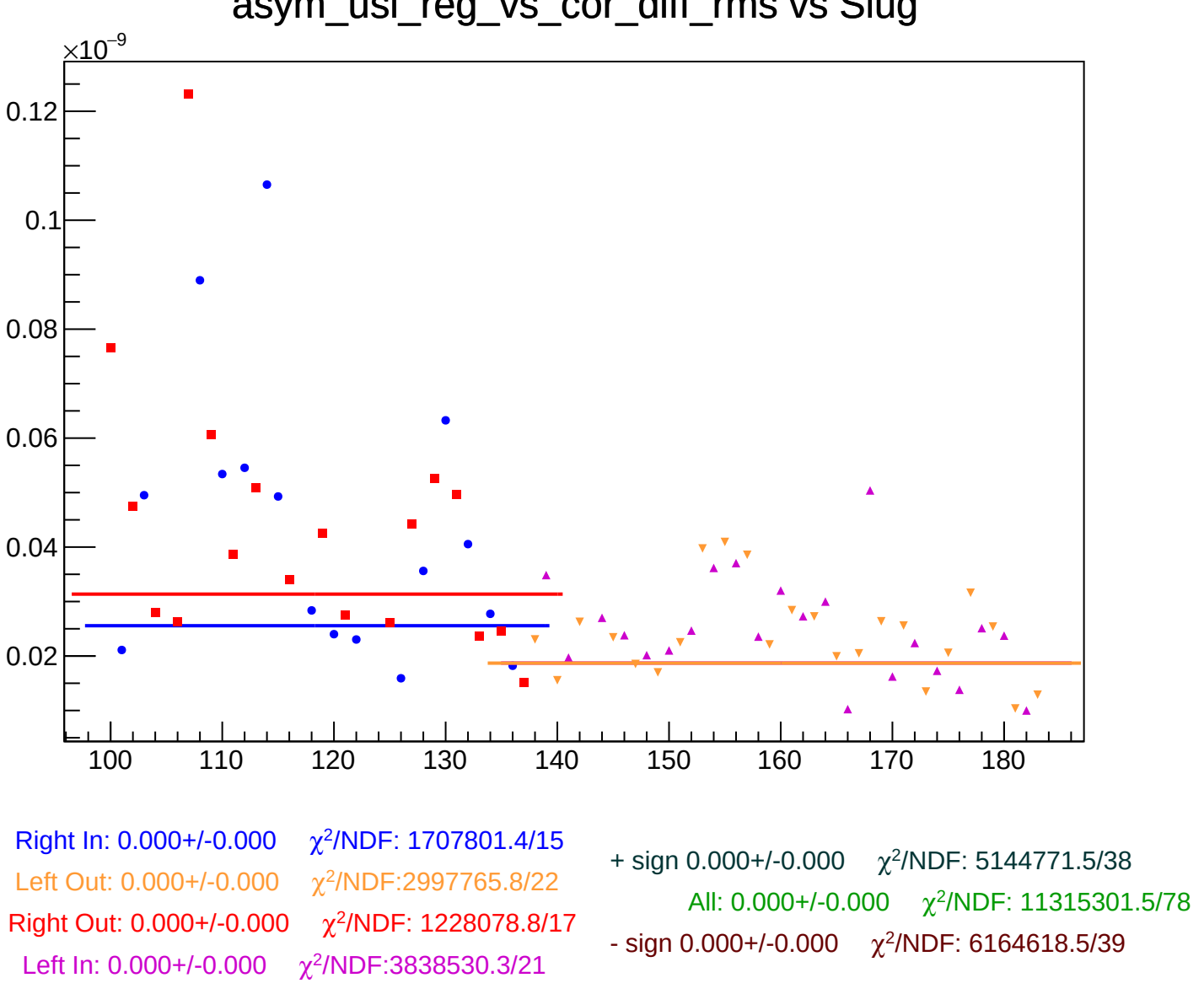
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:27.0/21

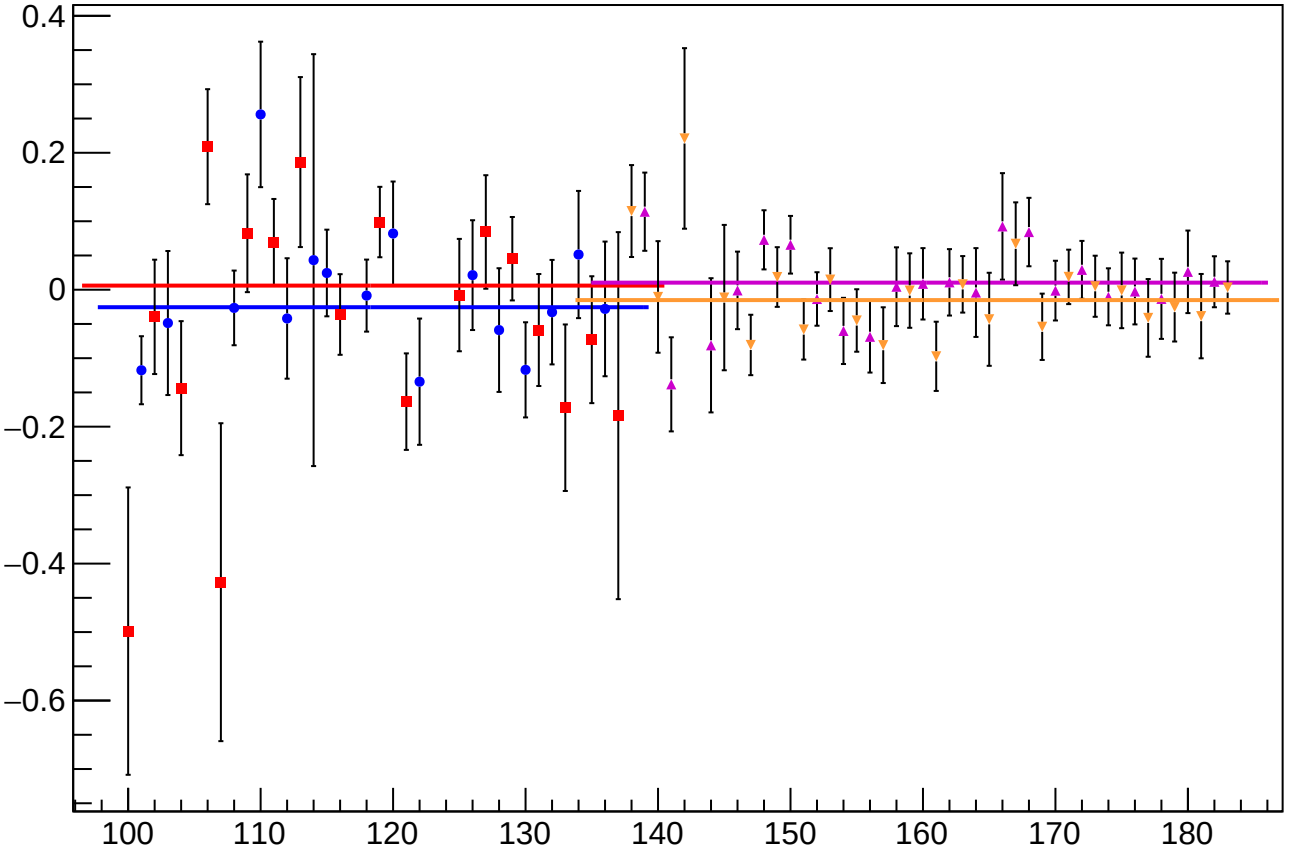
+ sign 0.000+/-0.000 χ^2/NDF: 20.2/38

All: 0.000+/-0.000 χ^2/NDF: 73.5/78

- sign -0.000+/-0.000 χ^2/NDF: 49.8/39


asym_usl_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1707801.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2997765.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 1228078.8/17
Left In: 0.000+/-0.000 χ²/NDF:3838530.3/21
+ sign 0.000+/-0.000 χ²/NDF: 5144771.5/38
All: 0.000+/-0.000 χ²/NDF: 11315301.5/78
- sign 0.000+/-0.000 χ²/NDF: 6164618.5/39

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.011 χ^2/NDF:20.3/22

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

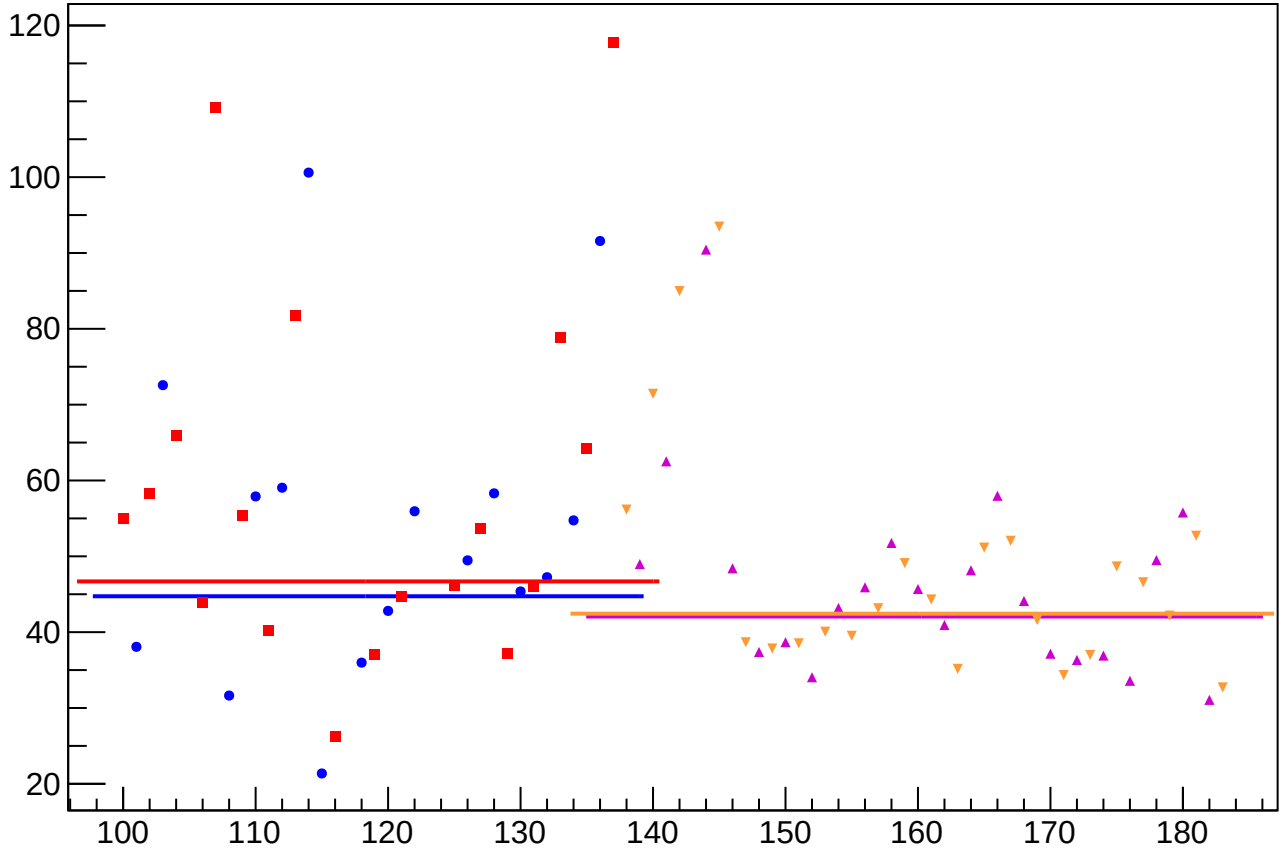
Left In: 0.010+/-0.011 χ^2/NDF:21.7/21

+ sign -0.018+/-0.009 χ^2/NDF: 38.2/38

All: -0.004+/-0.007 χ^2/NDF: 100.6/78

- sign 0.009+/-0.009 χ^2/NDF: 58.3/39

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.437+/-0.008 χ^2/NDF:1587005.6/22

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

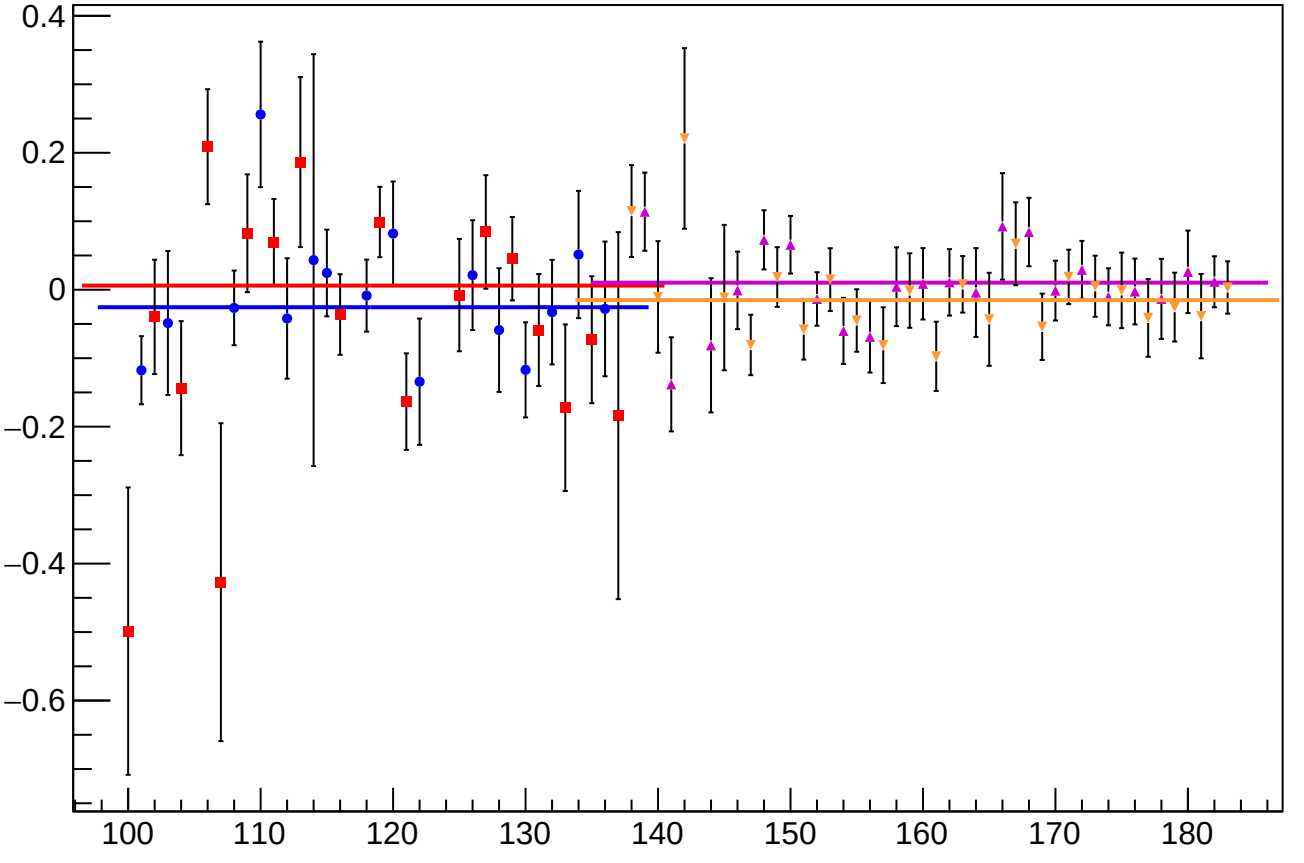
Left In: 42.063+/-0.008 χ^2/NDF:1489452.7/21

+ sign 43.002+/-0.007 χ^2/NDF: 2944122.5/38

All: 43.070+/-0.005 χ^2/NDF: 5716659.1/78

- sign 43.140+/-0.007 χ^2/NDF: 2772317.5/39

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.011 χ^2/NDF:20.3/22

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

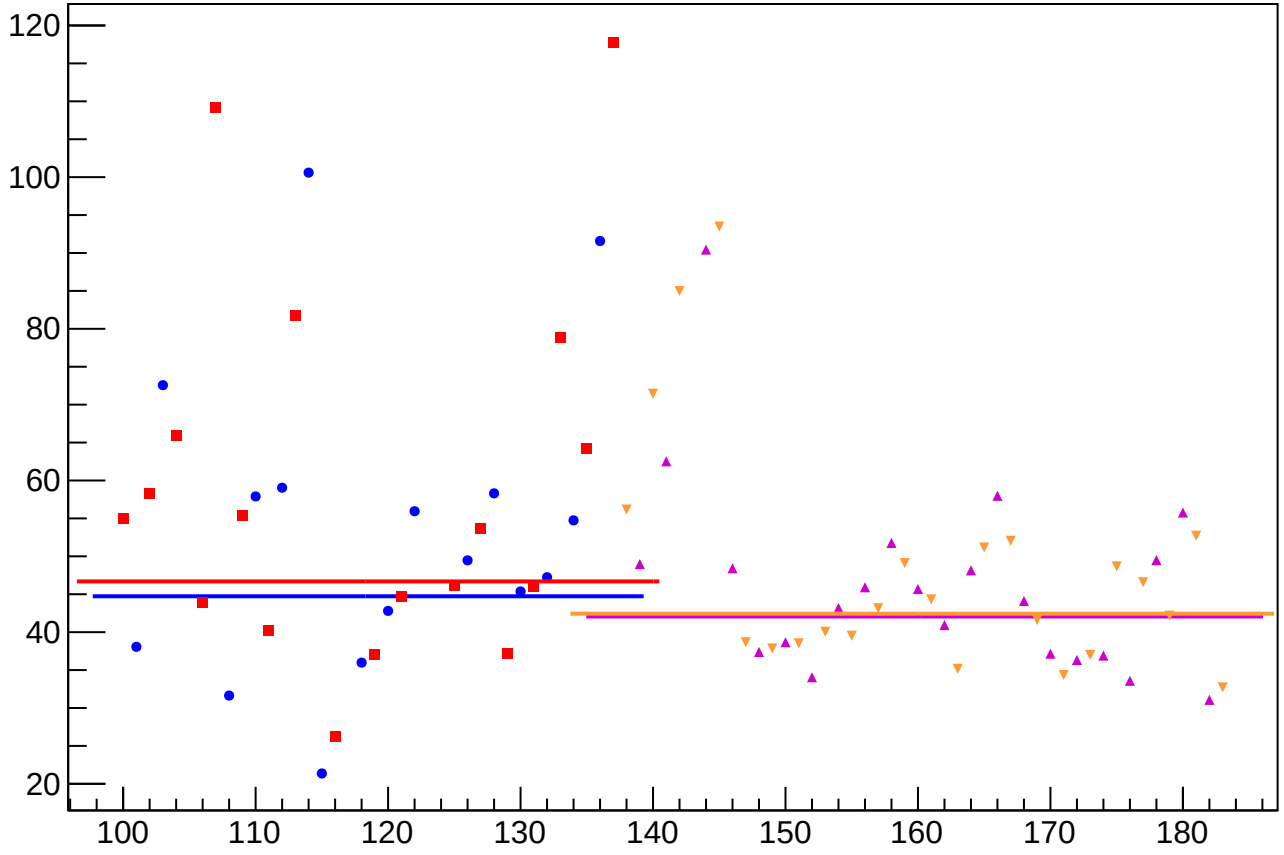
Left In: 0.010+/-0.011 χ^2/NDF:21.7/21

+ sign -0.018+/-0.009 χ^2/NDF: 38.2/38

All: -0.004+/-0.007 χ^2/NDF: 100.6/78

- sign 0.009+/-0.009 χ^2/NDF: 58.3/39

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.437+/-0.008 χ^2/NDF:1587005.6/22

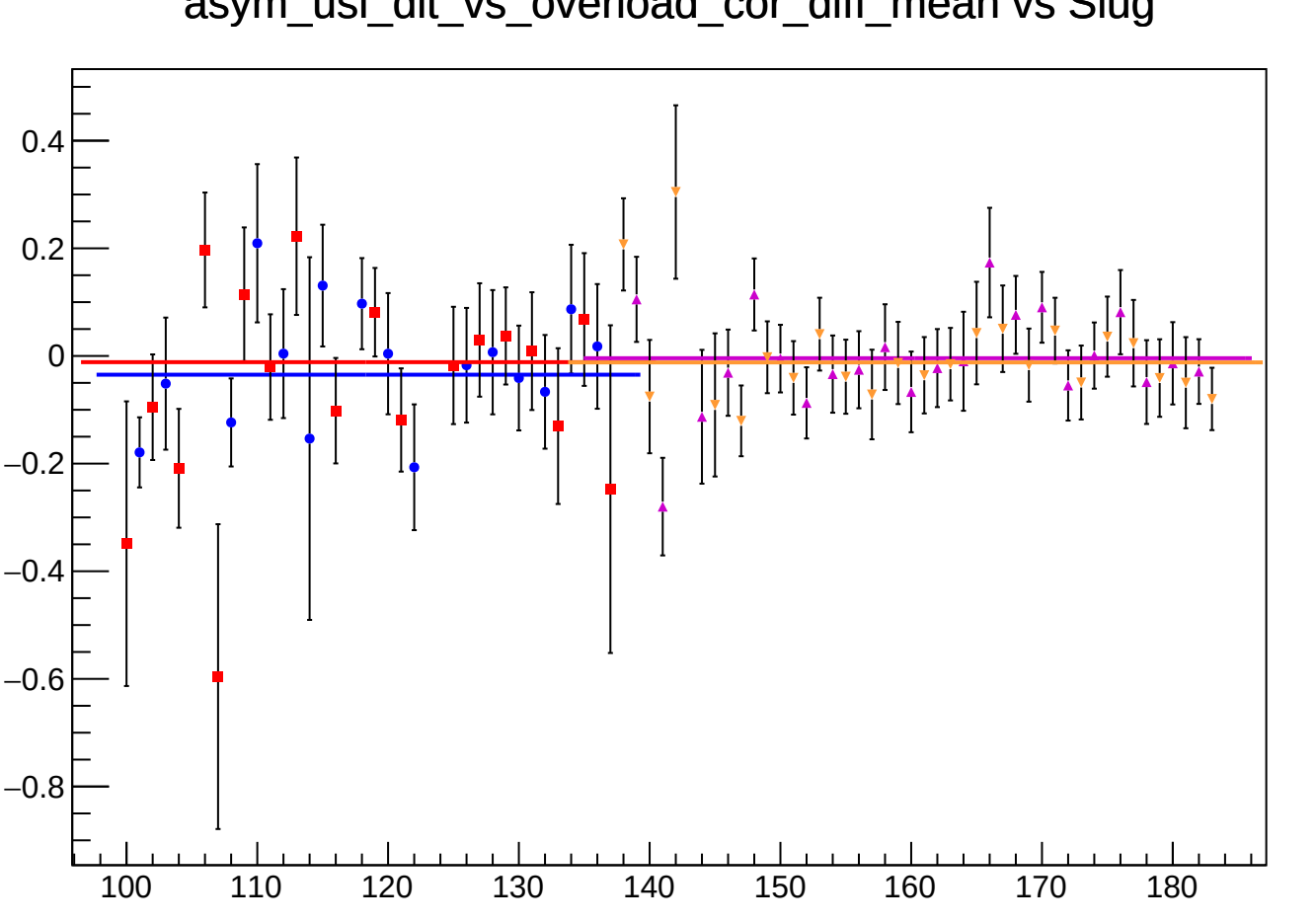
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 42.063+/-0.008 χ^2/NDF:1489452.7/21

+ sign 43.002+/-0.007 χ^2/NDF: 2944122.5/38

All: 43.070+/-0.005 χ^2/NDF: 5716659.1/78

- sign 43.140+/-0.007 χ^2/NDF: 2772317.5/39



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.012+/-0.016 χ^2/NDF:20.0/22

Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

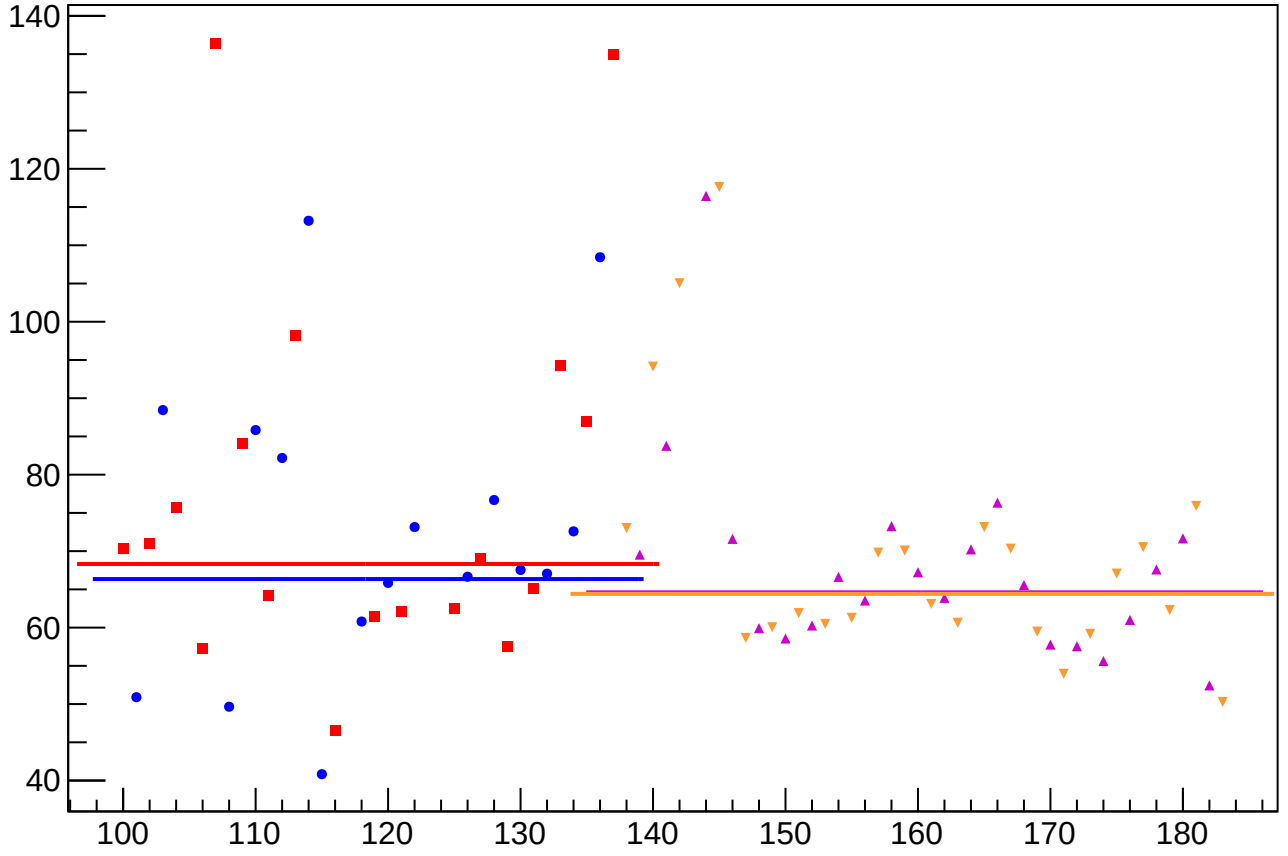
Left In: -0.004+/-0.016 χ^2/NDF:26.5/21

+ sign -0.018+/-0.013 χ^2/NDF: 38.0/38

All: -0.012+/-0.010 χ^2/NDF: 87.7/78

- sign -0.006+/-0.014 χ^2/NDF: 49.3/39

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 64.412+/-0.011 χ^2/NDF:970874.4/22

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

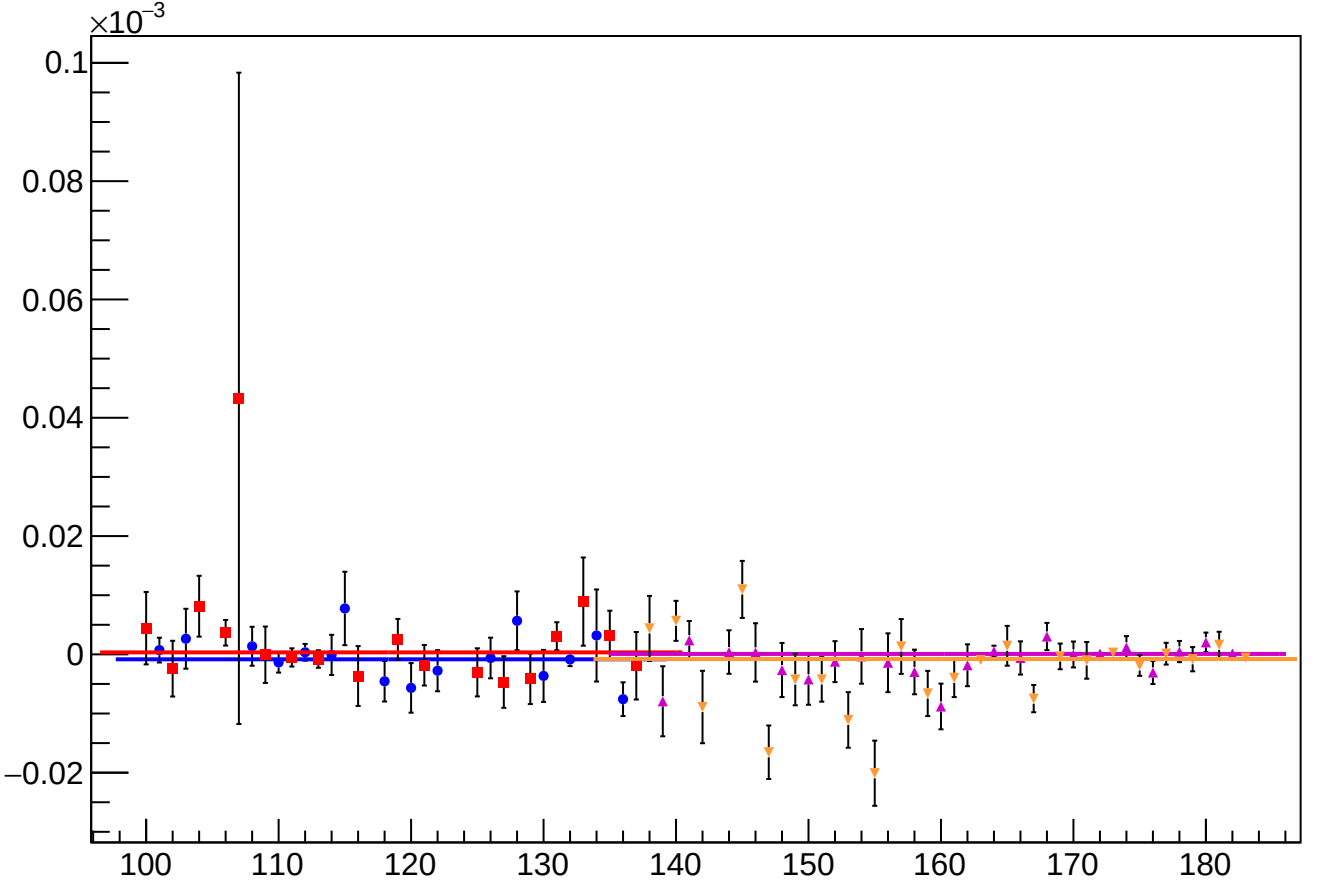
Left In: 64.612+/-0.011 χ^2/NDF:753716.6/21

+ sign 64.919+/-0.010 χ^2/NDF: 1751544.9/38

All: 65.235+/-0.007 χ^2/NDF: 3165501.3/78

- sign 65.559+/-0.010 χ^2/NDF: 1411718.6/39

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:59.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/17

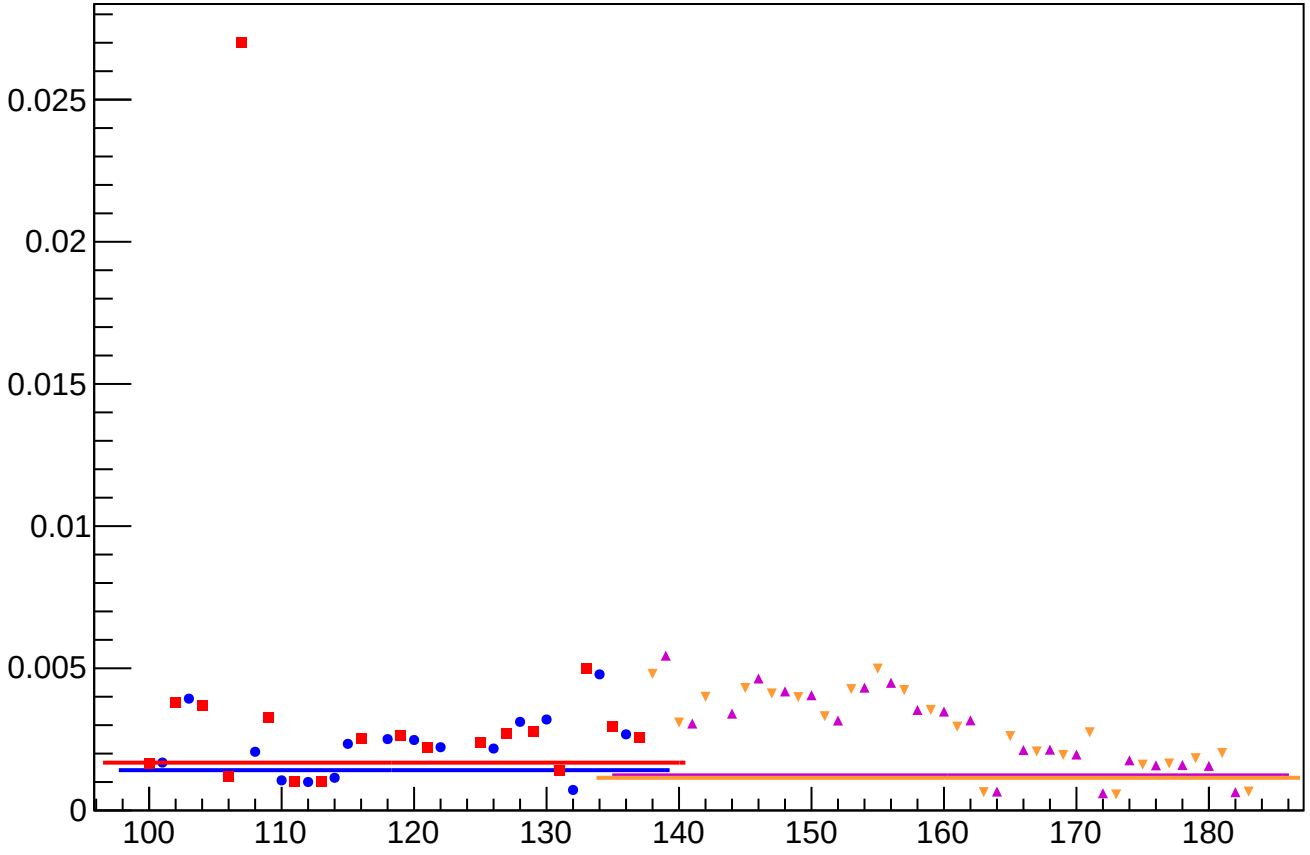
Left In: 0.000+/-0.000 χ^2/NDF:16.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 74.9/38

All: -0.000+/-0.000 χ^2/NDF: 110.4/78

- sign 0.000+/-0.000 χ^2/NDF: 31.4/39

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:14837669.1/22

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

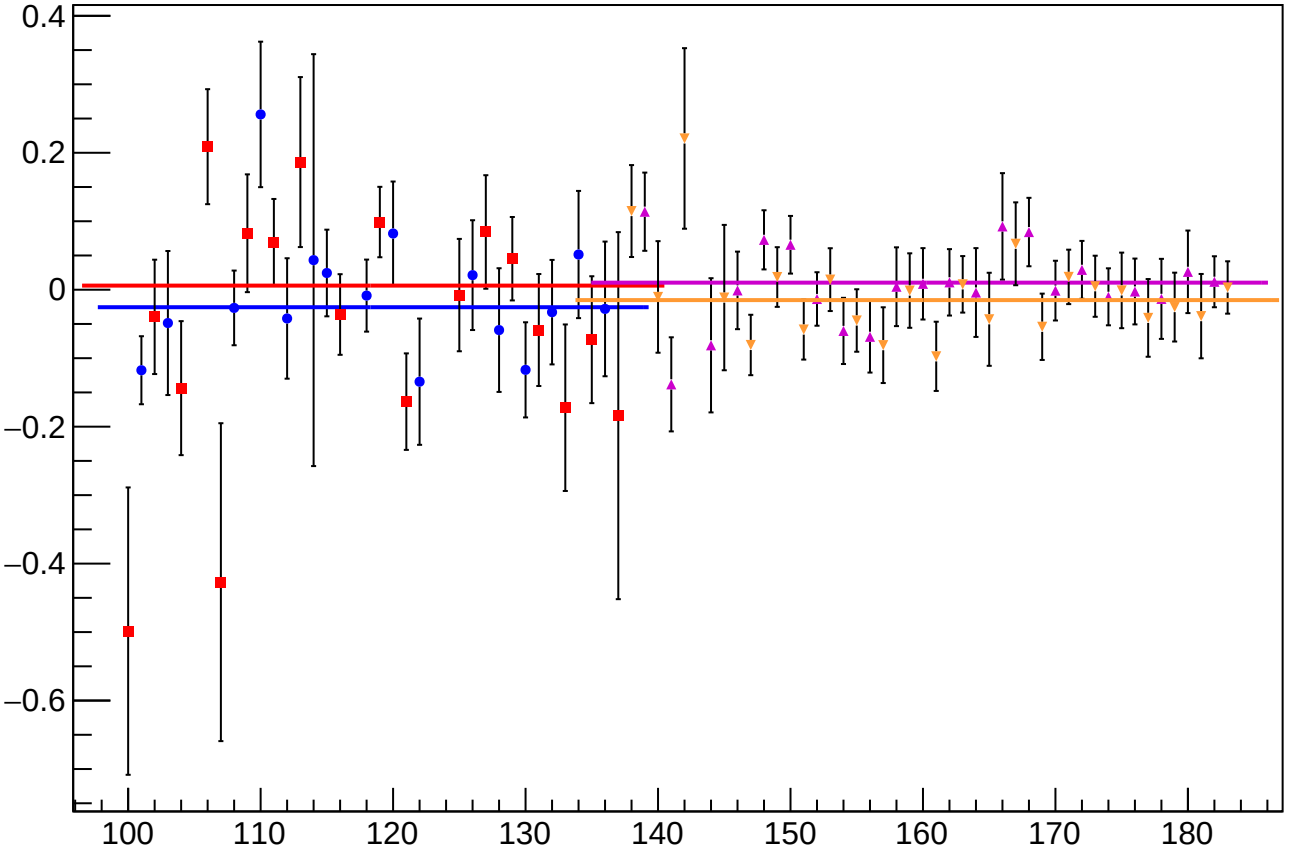
Left In: 0.001+/-0.000 χ^2/NDF:13727949.5/21

+ sign 0.001+/-0.000 χ^2/NDF: 18669255.9/38

All: 0.001+/-0.000 χ^2/NDF: 36548969.1/78

- sign 0.001+/-0.000 χ^2/NDF: 17754617.1/39

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.011 χ^2/NDF:20.3/22

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

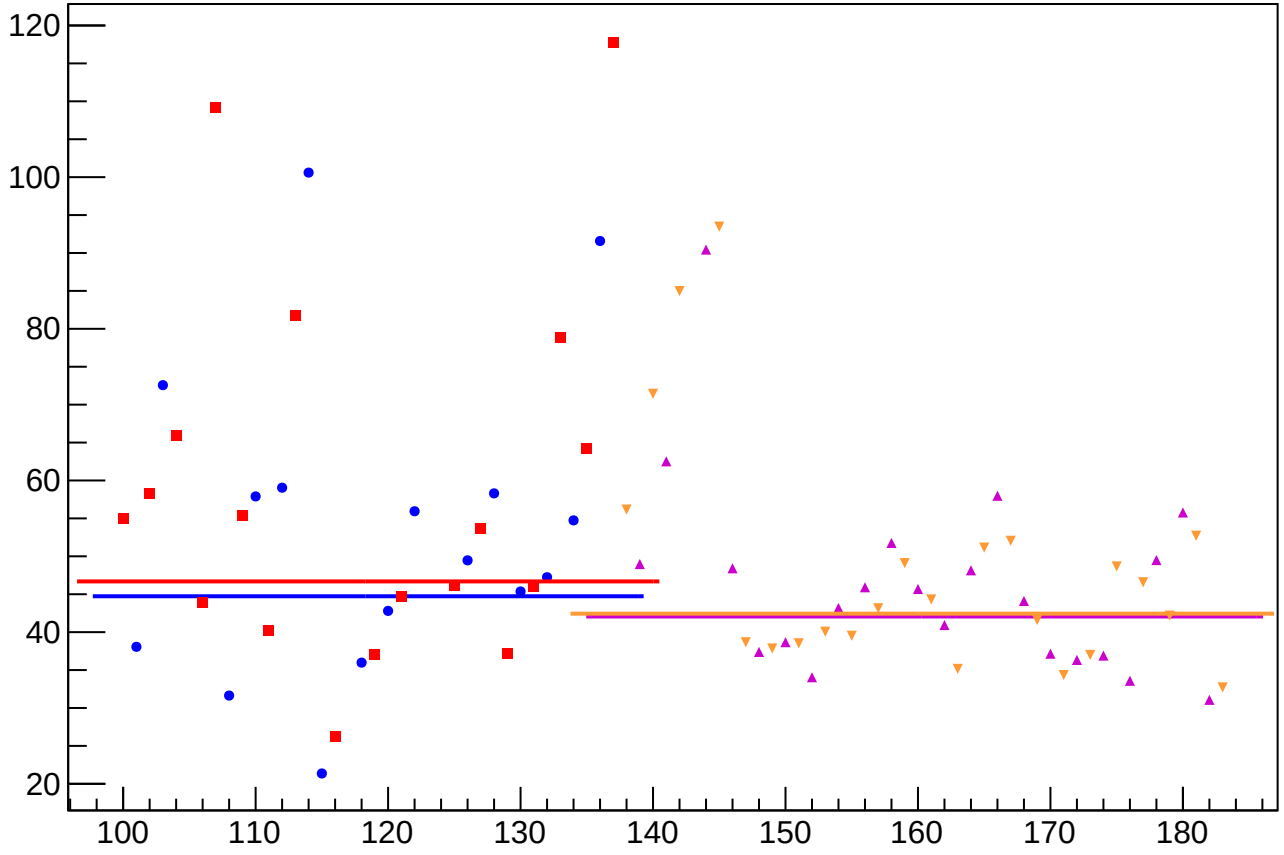
Left In: 0.010+/-0.011 χ^2/NDF:21.7/21

+ sign -0.018+/-0.009 χ^2/NDF: 38.2/38

All: -0.004+/-0.007 χ^2/NDF: 100.6/78

- sign 0.009+/-0.009 χ^2/NDF: 58.2/39

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.437+/-0.008 χ^2/NDF:1586972.2/22

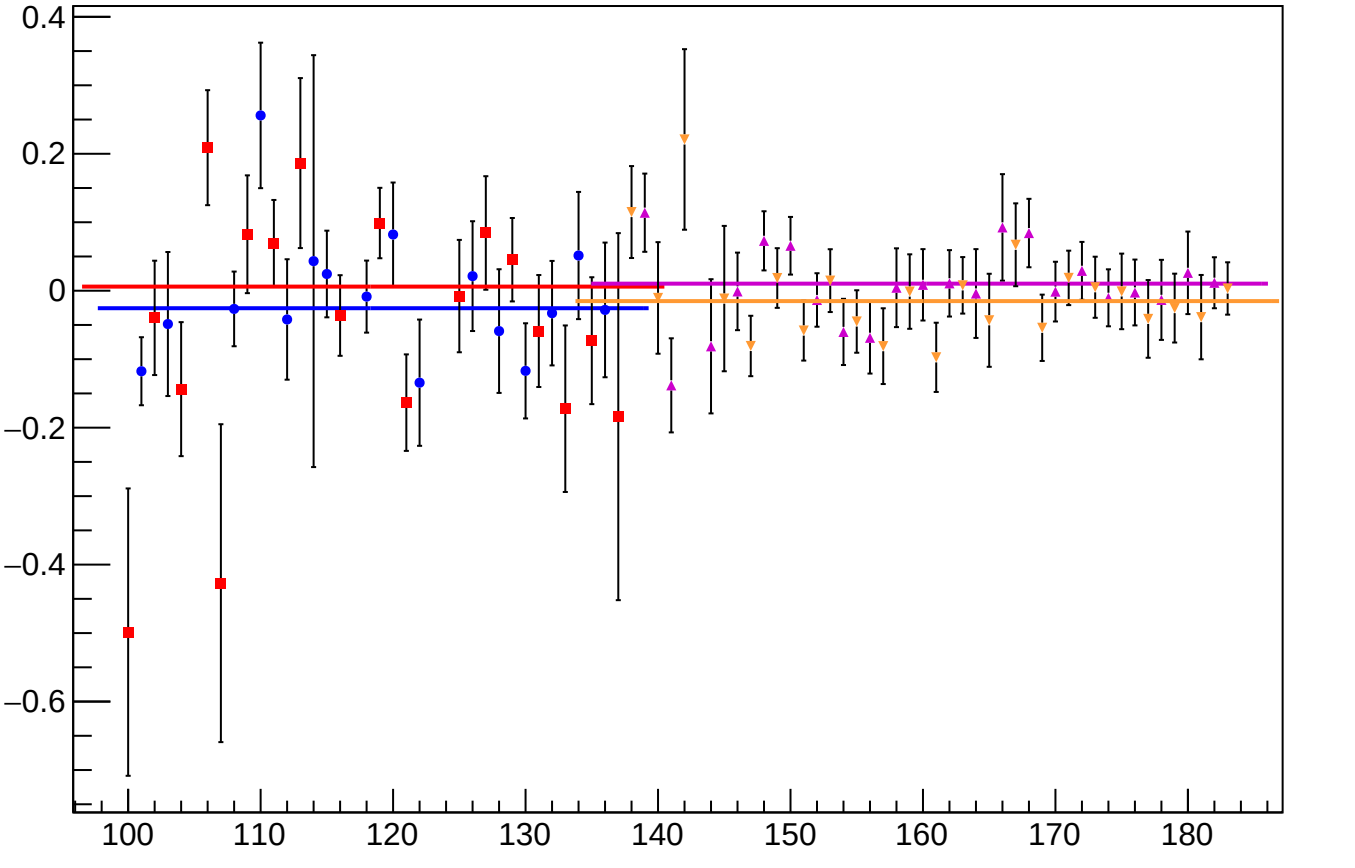
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.063+/-0.008 χ^2/NDF:1489402.2/21

+ sign 43.001+/-0.007 χ^2/NDF: 2944130.9/38

All: 43.070+/-0.005 χ^2/NDF: 5716611.5/78

- sign 43.140+/-0.007 χ^2/NDF: 2772260.8/39



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.011 χ^2/NDF:20.3/22

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

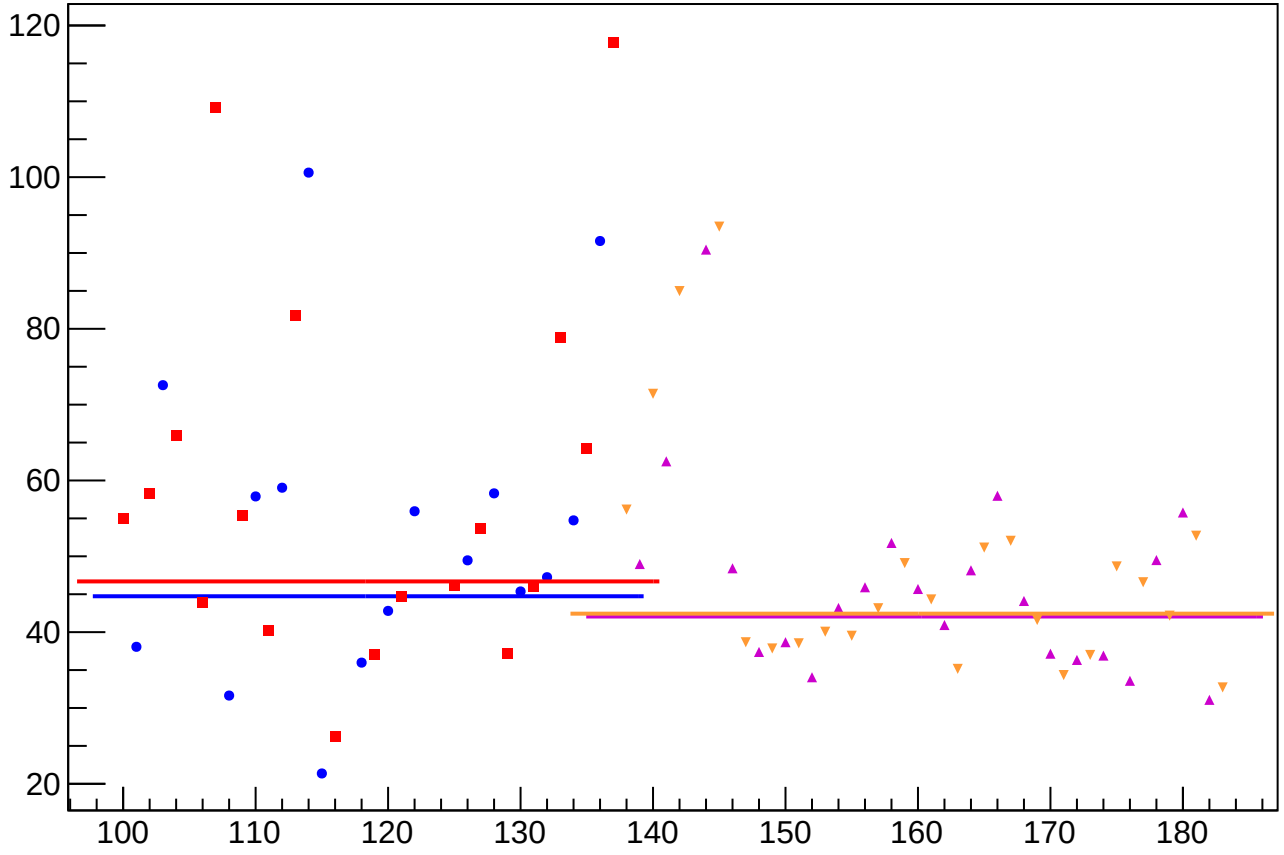
Left In: 0.010+/-0.011 χ^2/NDF:21.7/21

+ sign -0.018+/-0.009 χ^2/NDF: 38.2/38

All: -0.004+/-0.007 χ^2/NDF: 100.6/78

- sign 0.009+/-0.009 χ^2/NDF: 58.2/39

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.437+/-0.008 χ^2/NDF:1586972.2/22

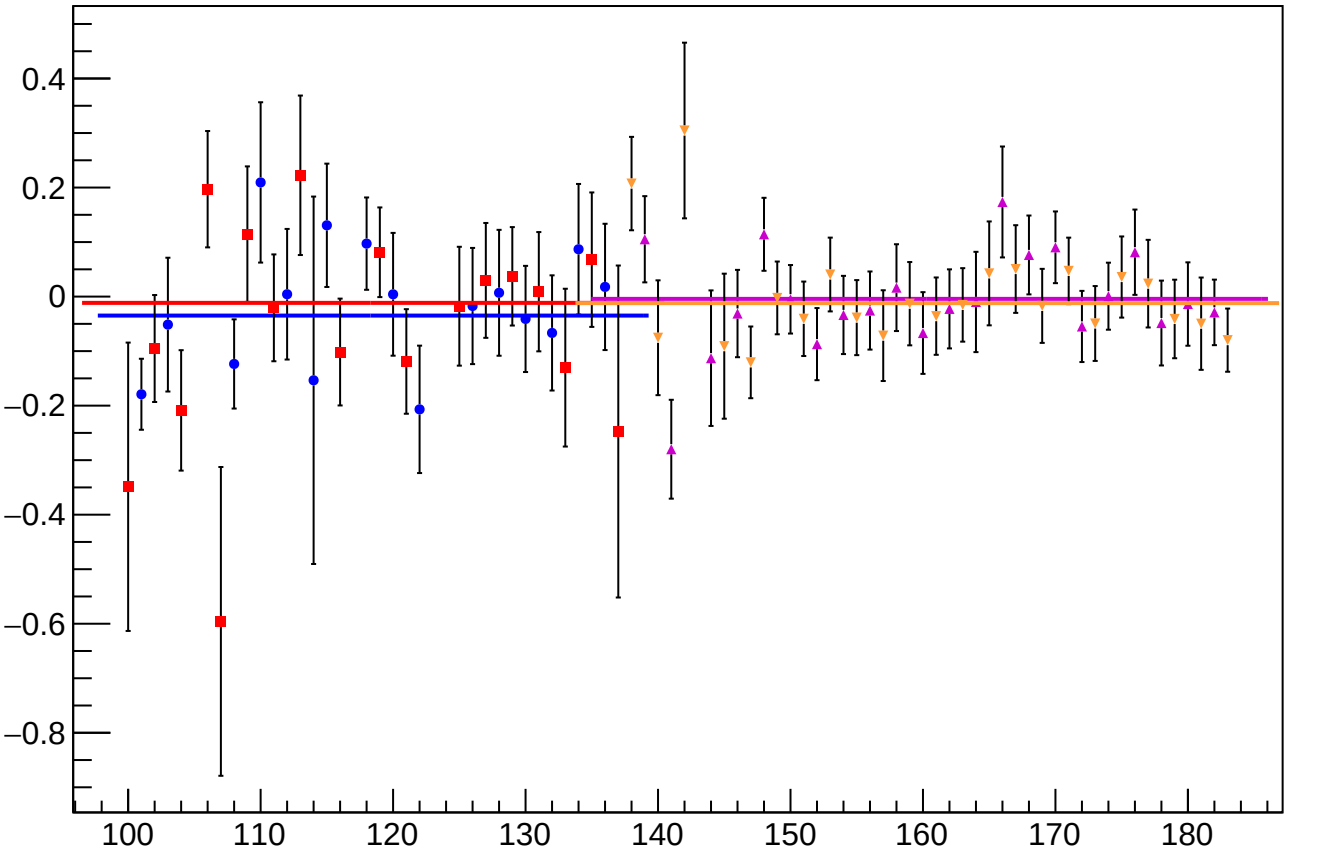
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.063+/-0.008 χ^2/NDF:1489402.2/21

+ sign 43.001+/-0.007 χ^2/NDF: 2944130.9/38

All: 43.070+/-0.005 χ^2/NDF: 5716611.5/78

- sign 43.140+/-0.007 χ^2/NDF: 2772260.8/39



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.012+/-0.016 χ^2/NDF:20.0/22

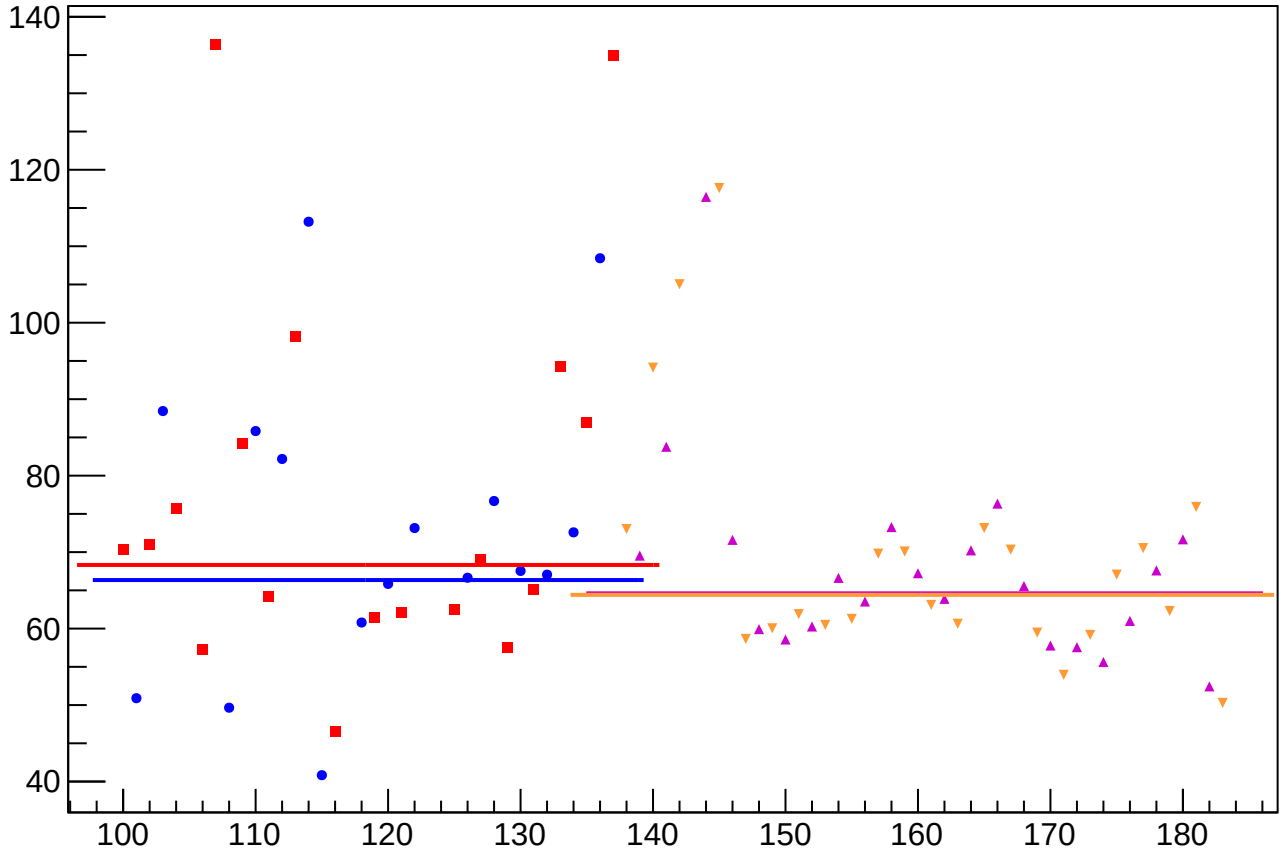
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.004+/-0.016 χ^2/NDF:26.5/21

+ sign -0.018+/-0.013 χ^2/NDF: 38.0/38

All: -0.012+/-0.010 χ^2/NDF: 87.7/78

- sign -0.006+/-0.014 χ^2/NDF: 49.3/39



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 64.412+/-0.011 χ^2/NDF:970863.0/22

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

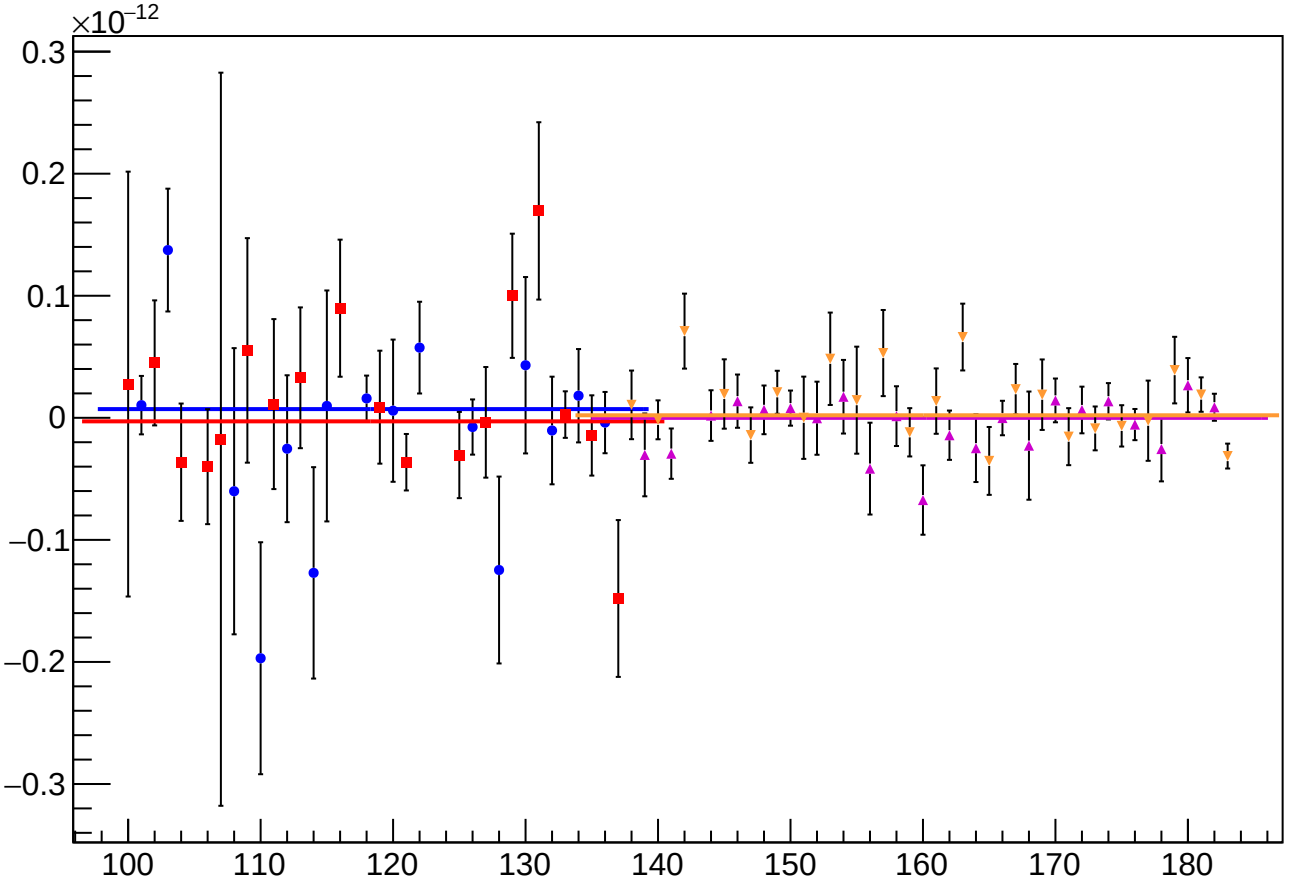
Left In: 64.612+/-0.011 χ^2/NDF:753708.7/21

+ sign 64.919+/-0.010 χ^2/NDF: 1751536.0/38

All: 65.235+/-0.007 χ^2/NDF: 3165467.7/78

- sign 65.558+/-0.010 χ^2/NDF: 1411693.7/39

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.5/22

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

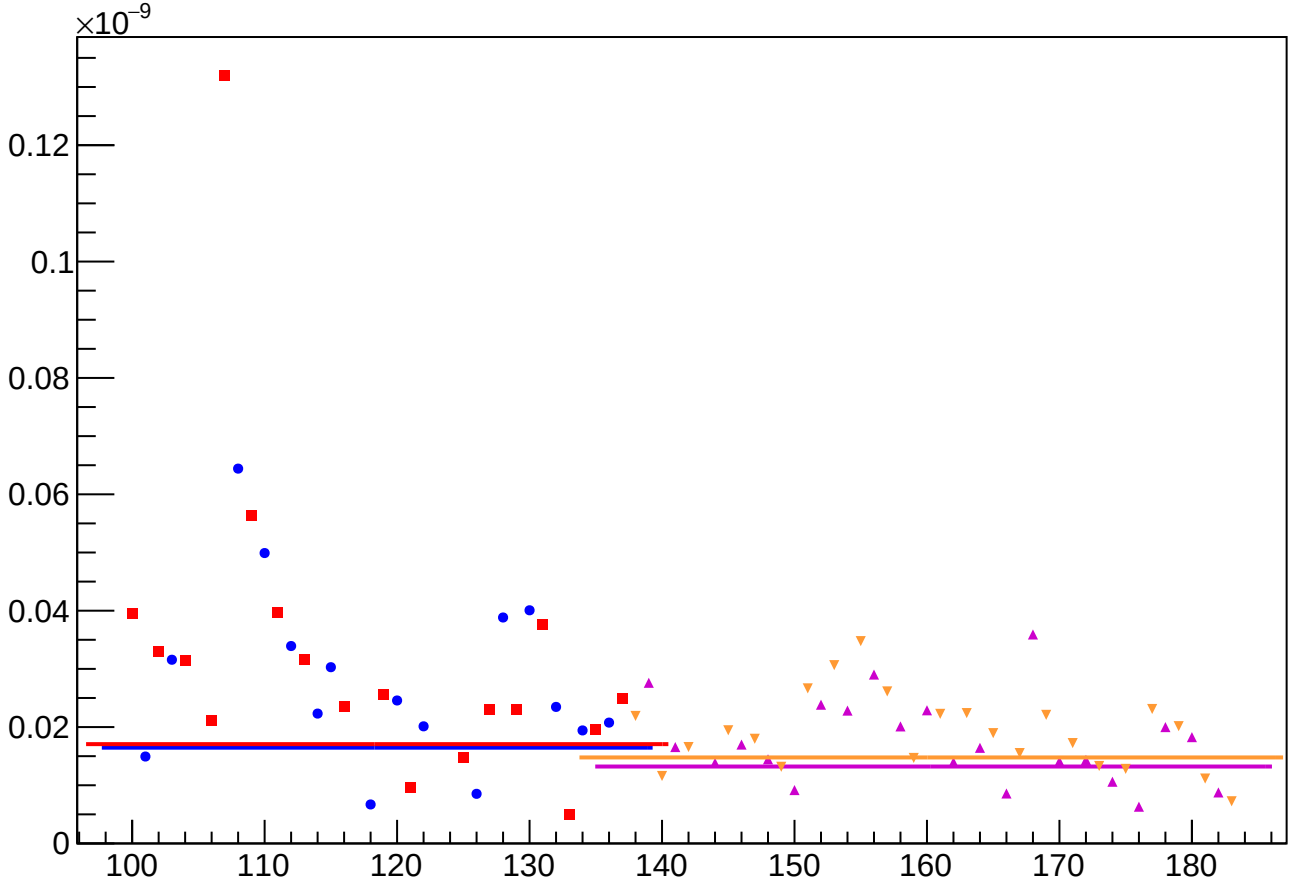
Left In: -0.000+/-0.000 χ^2/NDF:17.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/38

All: 0.000+/-0.000 χ^2/NDF: 97.1/78

- sign -0.000+/-0.000 χ^2/NDF: 40.5/39

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3527510.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

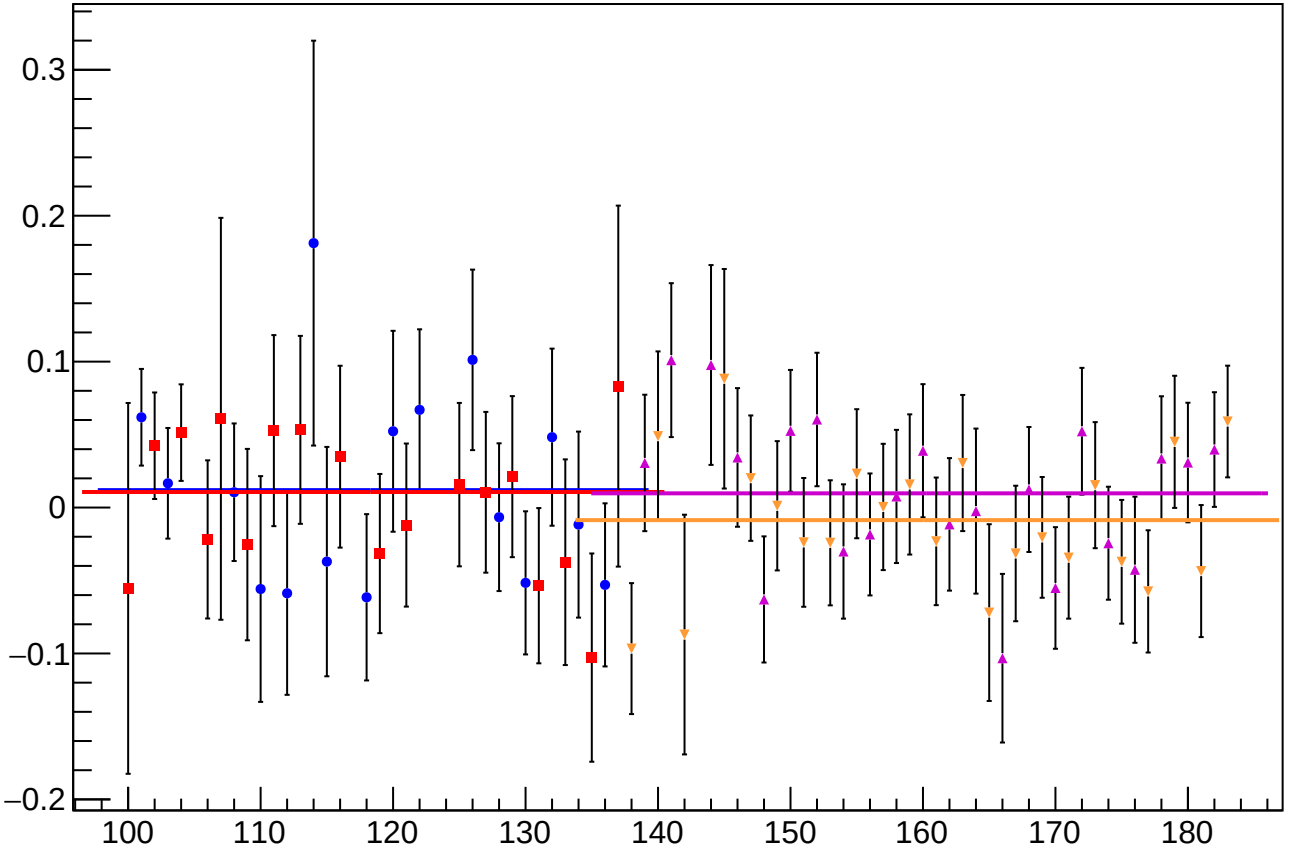
Left In: 0.000+/-0.000 χ^2/NDF:3822423.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 5927575.7/38

All: 0.000+/-0.000 χ^2/NDF: 12911865.8/78

- sign 0.000+/-0.000 χ^2/NDF: 6874401.6/39

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.009+/-0.010 χ^2/NDF:18.8/22

Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

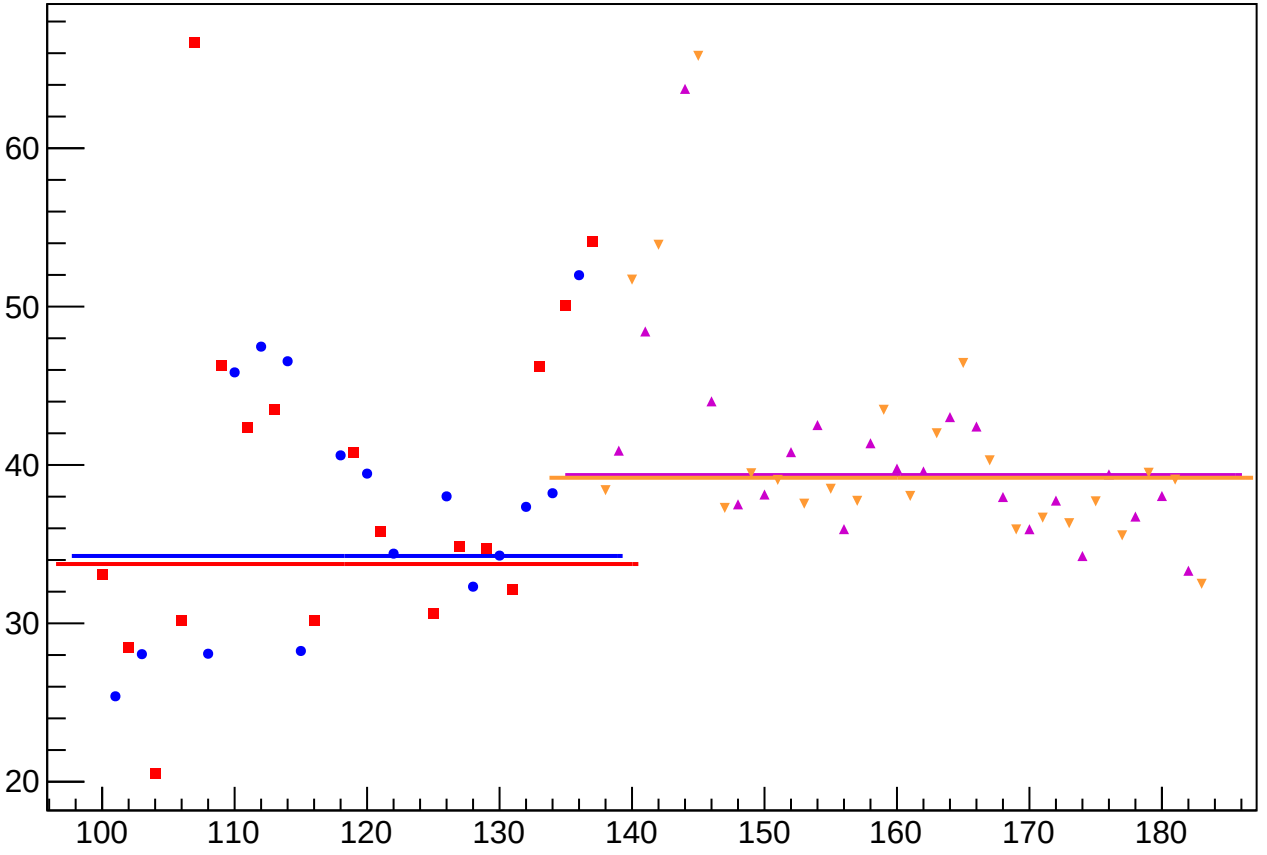
Left In: 0.010+/-0.010 χ^2/NDF:22.3/21

+ sign -0.002+/-0.008 χ^2/NDF: 35.0/38

All: 0.004+/-0.006 χ^2/NDF: 68.5/78

- sign 0.010+/-0.008 χ^2/NDF: 32.3/39

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.192+/-0.007 χ^2/NDF:579797.0/22

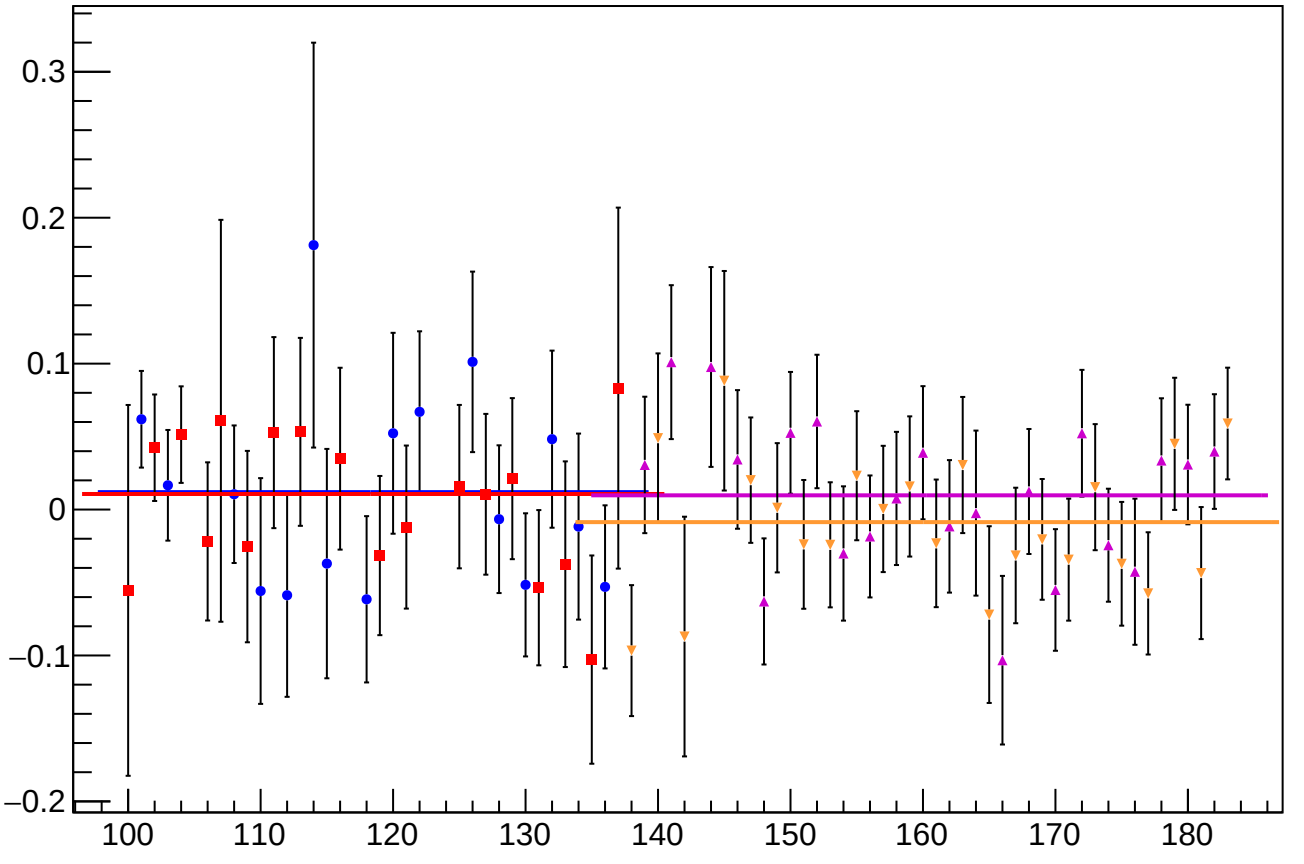
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 39.362+/-0.007 χ^2/NDF:492524.3/21

+ sign 37.557+/-0.006 χ^2/NDF: 1391823.0/38

All: 37.501+/-0.004 χ^2/NDF: 3026401.4/78

- sign 37.445+/-0.006 χ^2/NDF: 1634372.2/39



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.009+/-0.010 χ^2/NDF:18.8/22

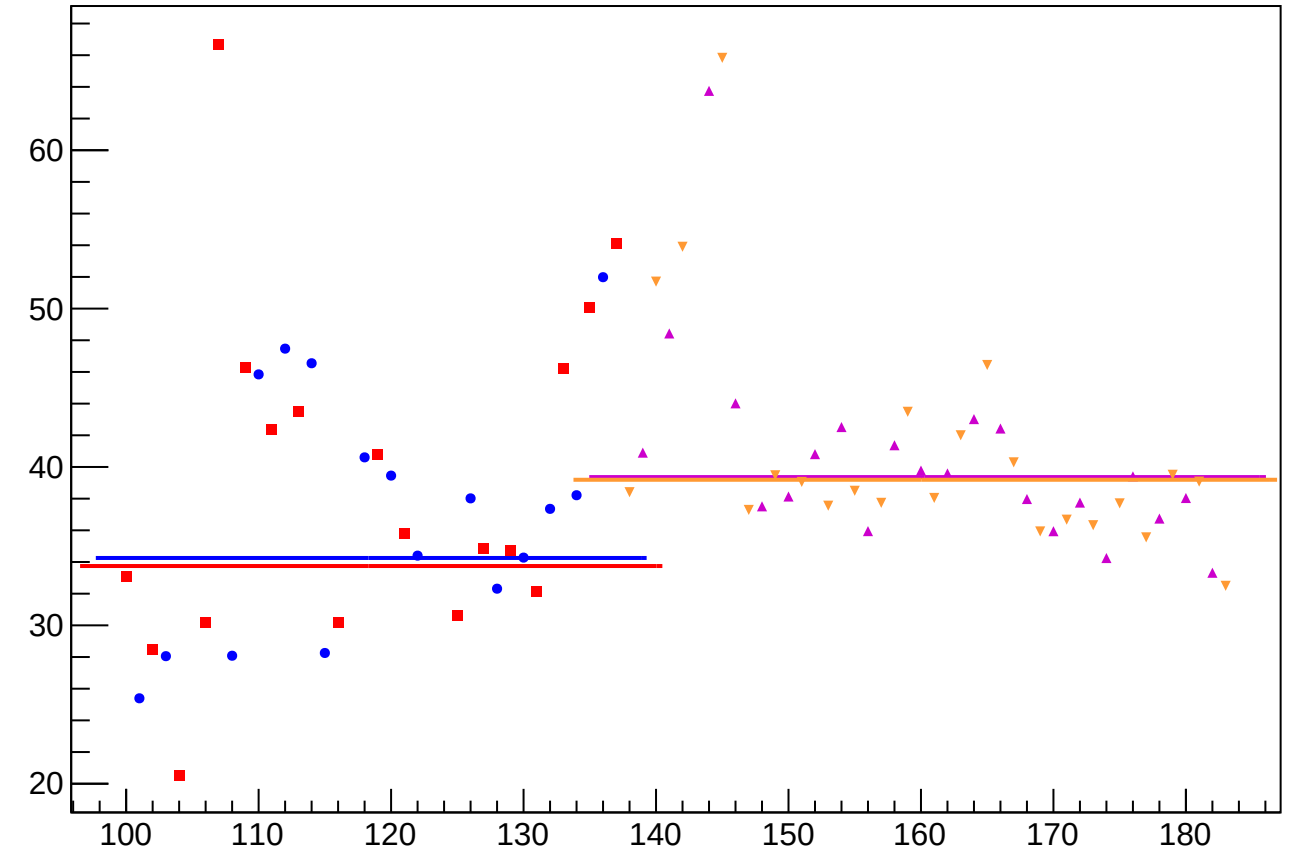
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.010+/-0.010 χ^2/NDF:22.3/21

+ sign -0.002+/-0.008 χ^2/NDF: 35.0/38

All: 0.004+/-0.006 χ^2/NDF: 68.5/78

- sign 0.010+/-0.008 χ^2/NDF: 32.3/39



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.192+/-0.007 χ^2/NDF:579797.0/22

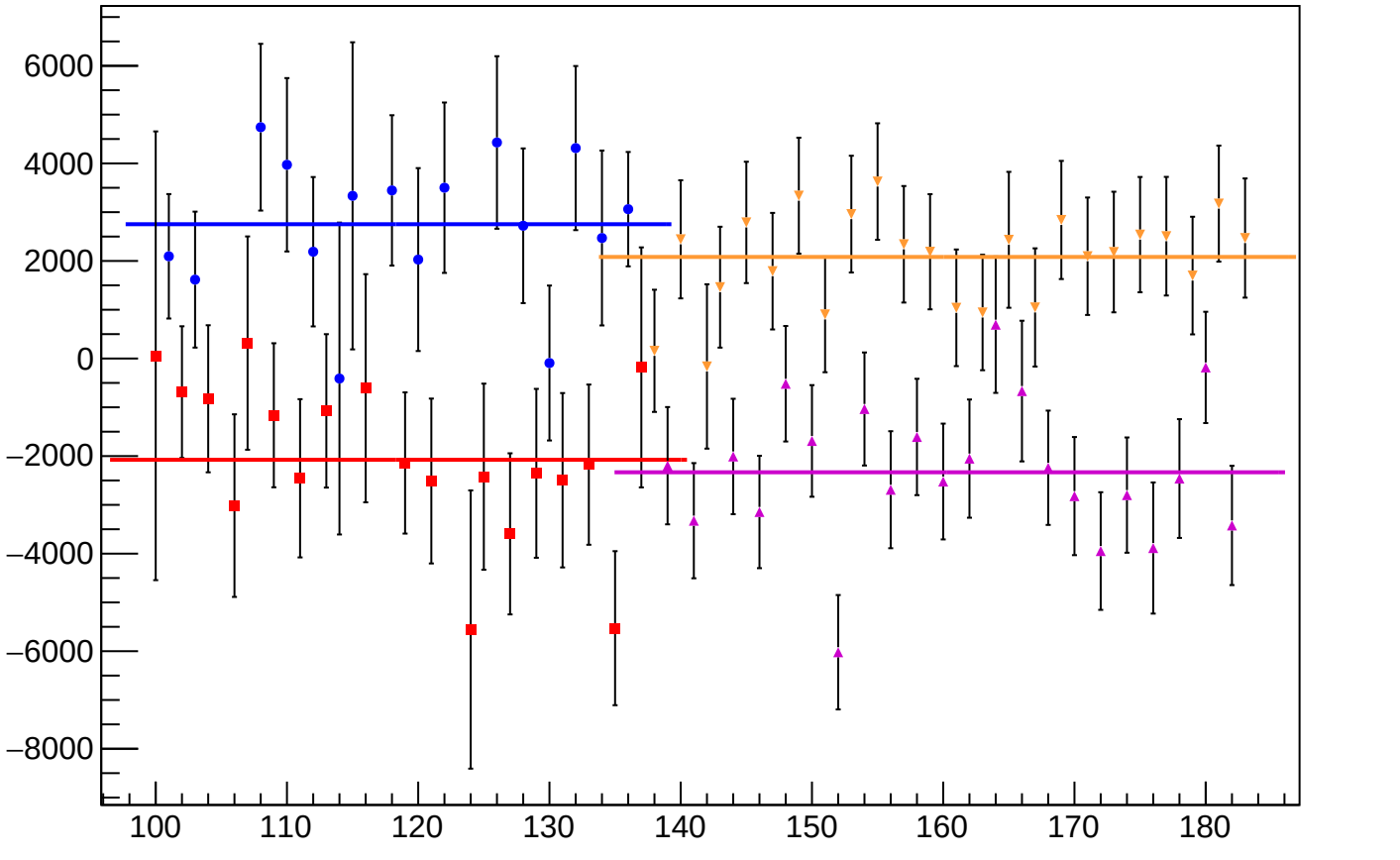
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 39.362+/-0.007 χ^2/NDF:492524.3/21

\+ sign 37.557+/-0.006 χ^2/NDF: 1391823.0/38

All: 37.501+/-0.004 χ^2/NDF: 3026401.4/78

\- sign 37.445+/-0.006 χ^2/NDF: 1634372.2/39



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2081.988+/-250.005 χ^2/NDF:13.4/23

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

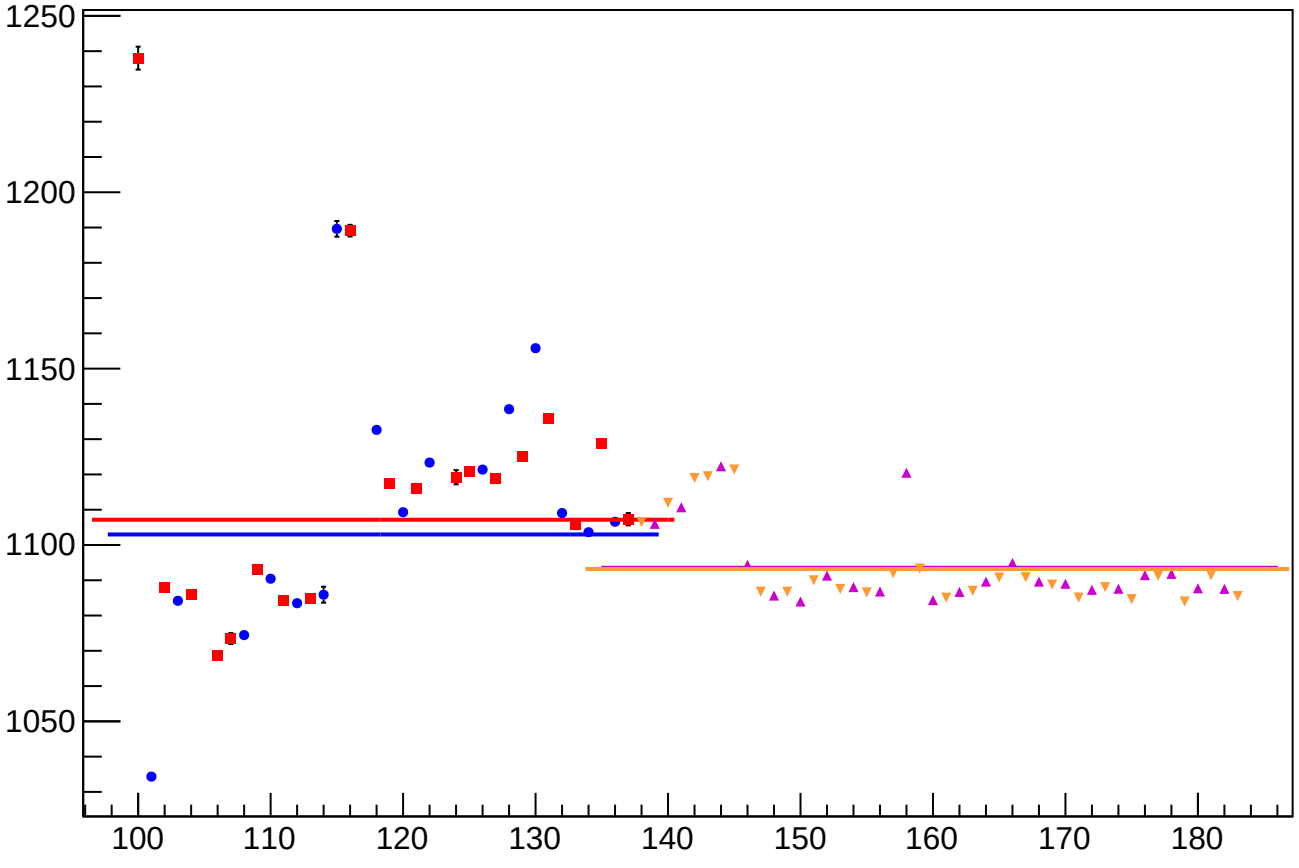
Left In: -2332.154+/-257.430 χ^2/NDF:29.5/21

+ sign 2263.998+/-213.429 χ^2/NDF: 24.9/39

All: 41.100+/-152.188 χ^2/NDF: 287.9/80

- sign -2258.266+/-217.069 χ^2/NDF: 42.3/40

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.190+/-0.177 χ^2/NDF:3965.0/23

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

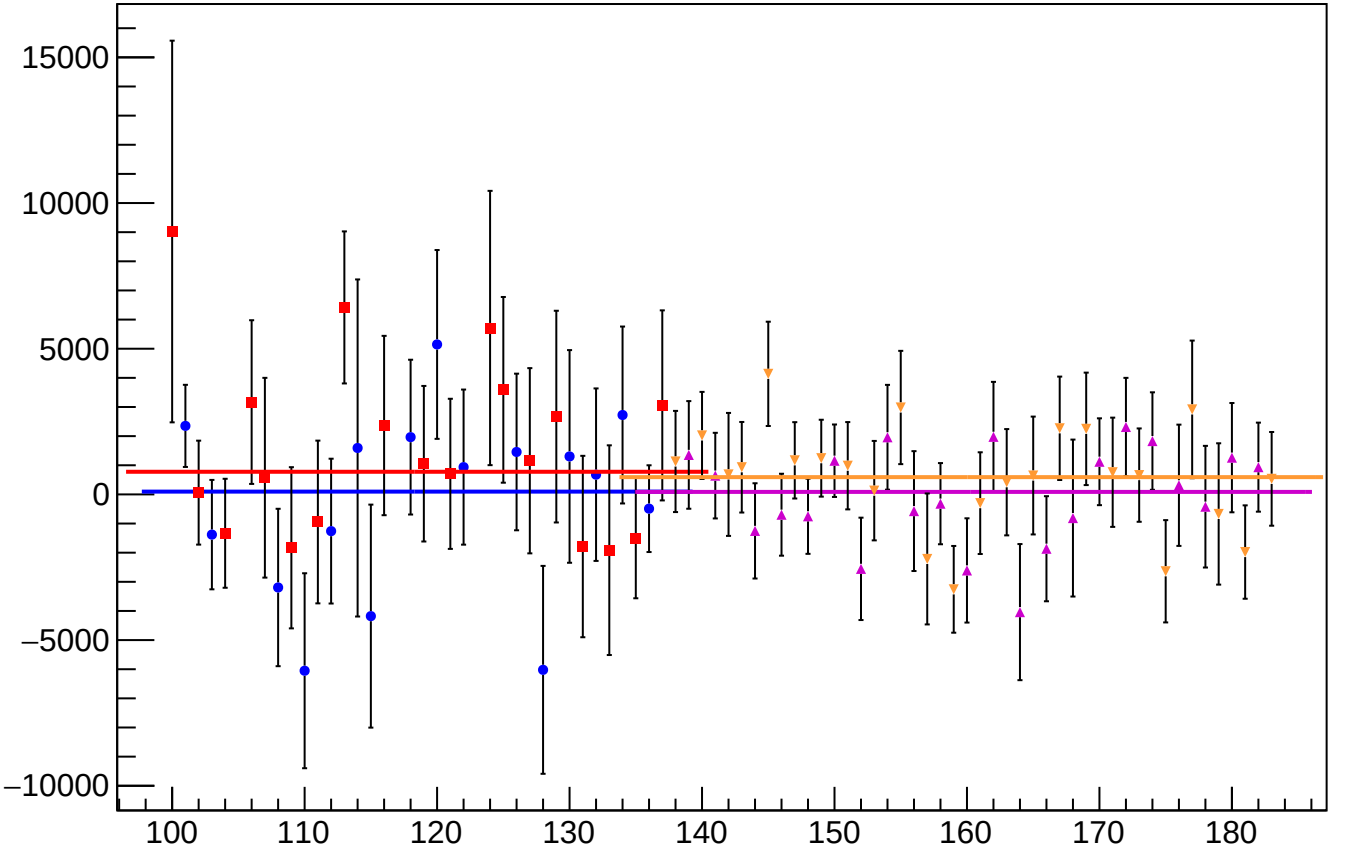
Left In: 1093.544+/-0.182 χ^2/NDF:3648.9/21

+ sign 1095.847+/-0.151 χ^2/NDF: 18021.9/39

All: 1096.649+/-0.108 χ^2/NDF: 32028.3/80

- sign 1097.479+/-0.153 χ^2/NDF: 13949.0/40

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 592.668+/-349.782 χ^2/NDF:24.4/23

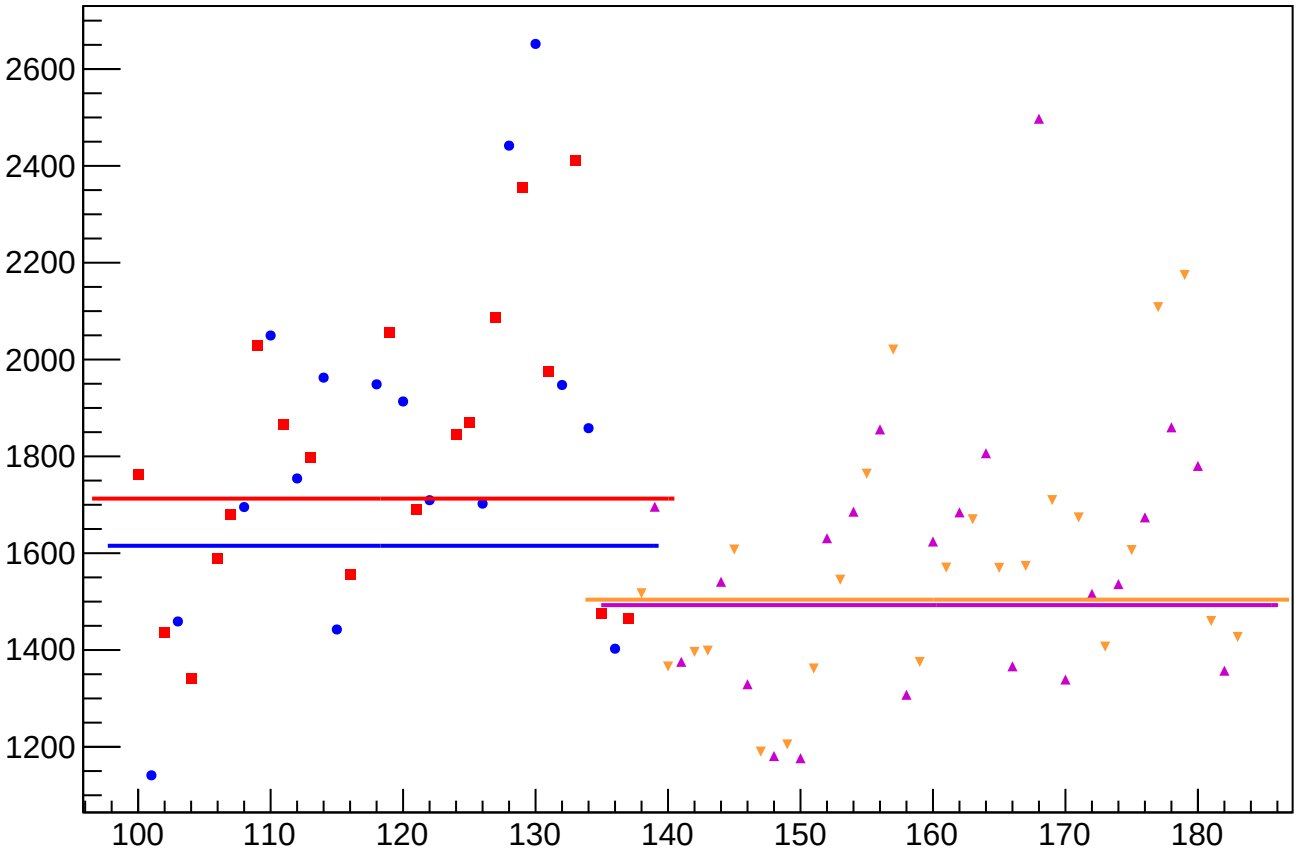
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 85.968+/-357.497 χ^2/NDF:18.1/21

+ sign 472.182+/-304.418 χ^2/NDF: 41.9/39

All: 364.467+/-217.803 χ^2/NDF: 76.1/80

- sign 251.500+/-311.752 χ^2/NDF: 34.0/40



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1504.049+/-0.247 χ^2/NDF:799251.0/23

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

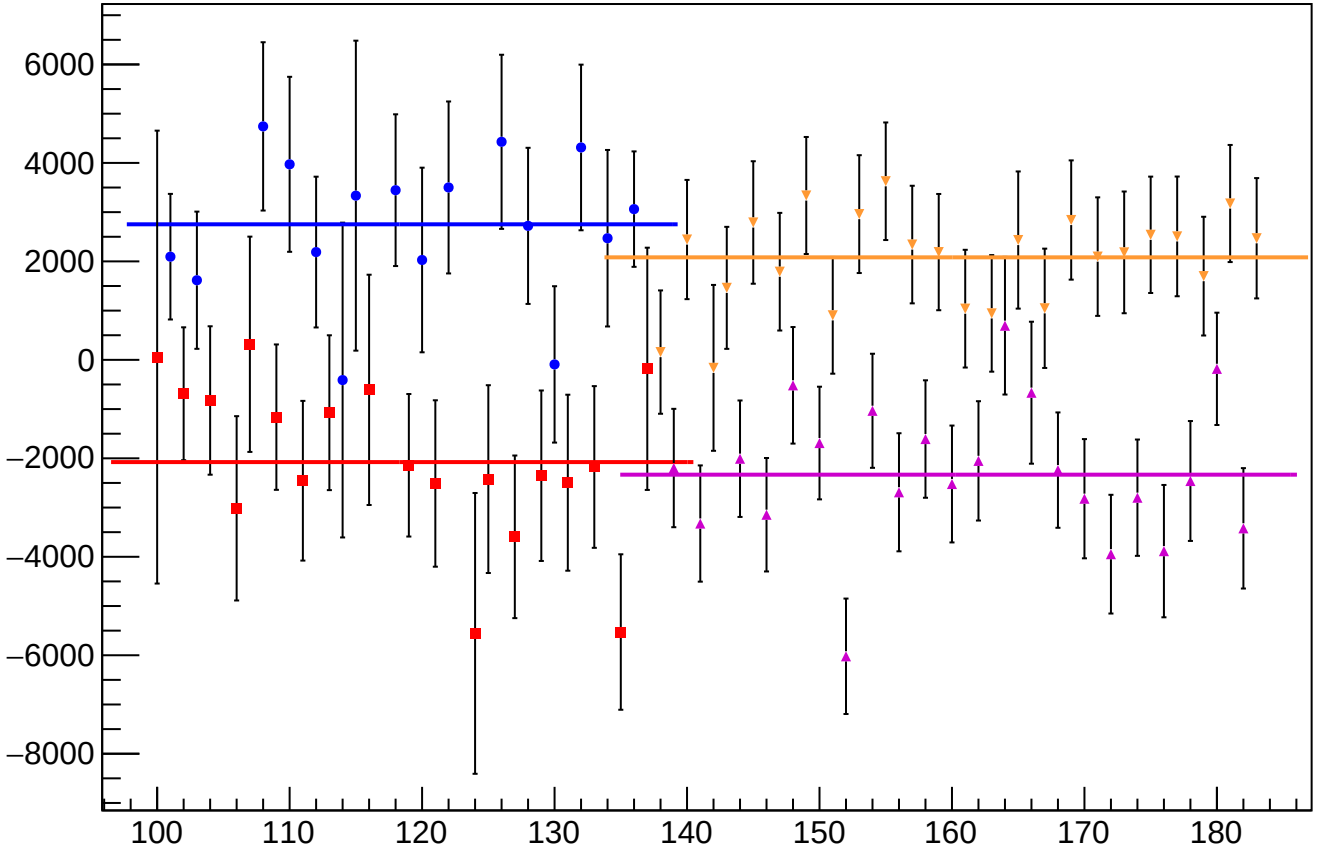
Left In: 1492.781+/-0.253 χ^2/NDF:963421.6/21

+ sign 1531.039+/-0.215 χ^2/NDF: 1541971.0/39

All: 1538.090+/-0.154 χ^2/NDF: 3117116.9/80

- sign 1545.485+/-0.220 χ^2/NDF: 1572947.4/40

cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2081.988+/-250.005 χ^2/NDF:13.4/23

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

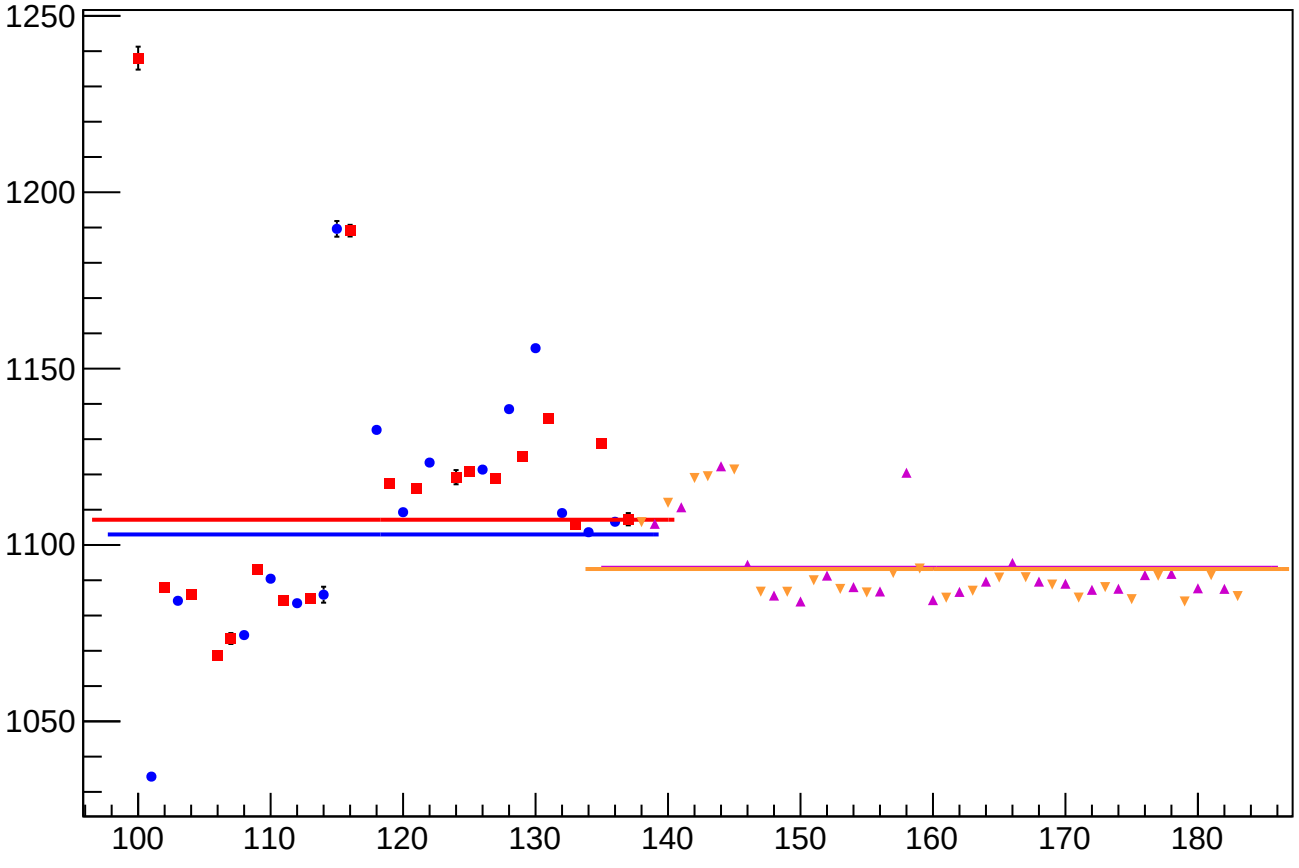
Left In: -2332.154+/-257.430 χ^2/NDF:29.5/21

+ sign 2263.998+/-213.429 χ^2/NDF: 24.9/39

All: 41.100+/-152.188 χ^2/NDF: 287.9/80

- sign -2258.266+/-217.069 χ^2/NDF: 42.3/40

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.190+/-0.177 χ^2/NDF:3965.0/23

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

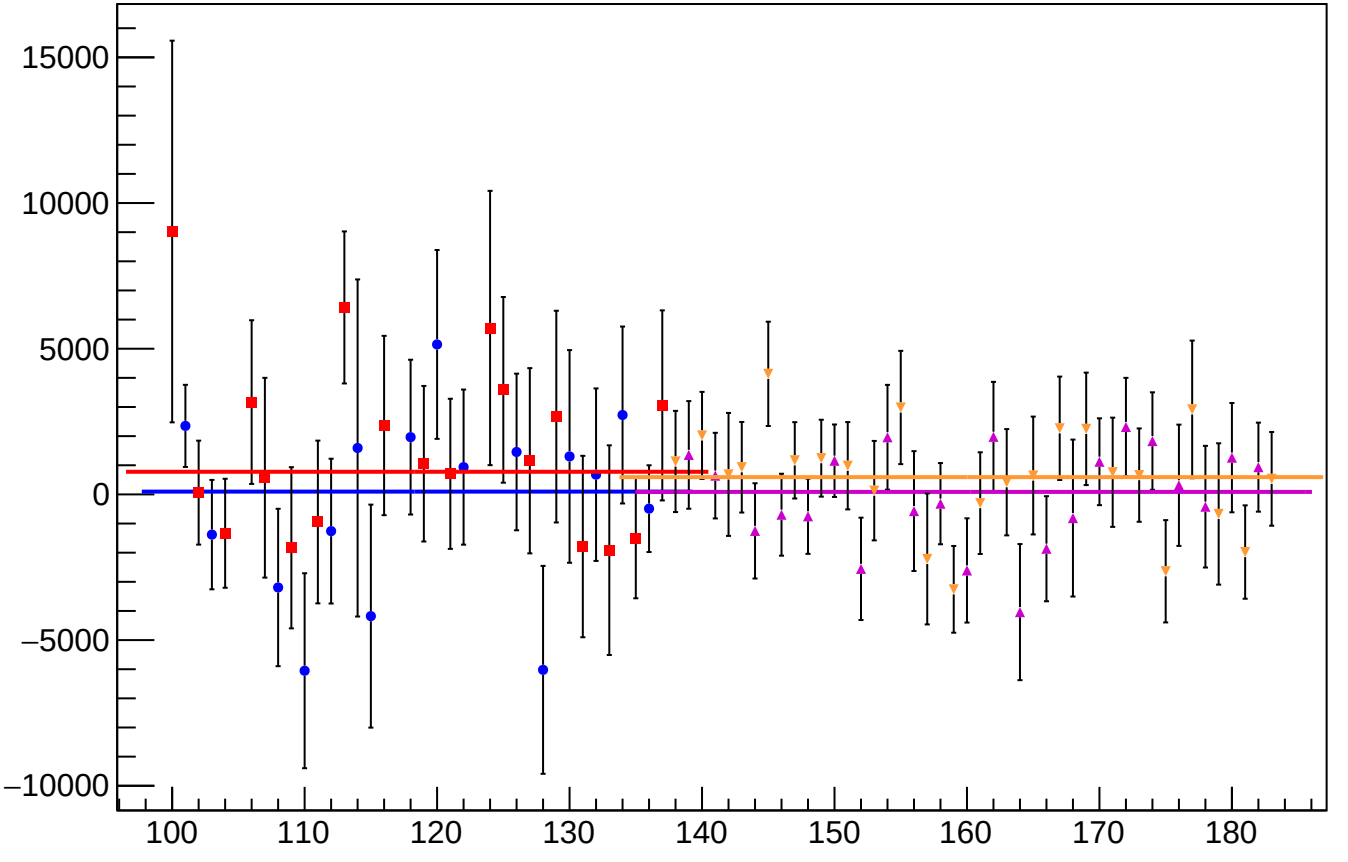
Left In: 1093.544+/-0.182 χ^2/NDF:3648.9/21

+ sign 1095.847+/-0.151 χ^2/NDF: 18021.9/39

All: 1096.649+/-0.108 χ^2/NDF: 32028.3/80

- sign 1097.479+/-0.153 χ^2/NDF: 13949.0/40

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 592.668+/-349.782 χ^2/NDF:24.4/23

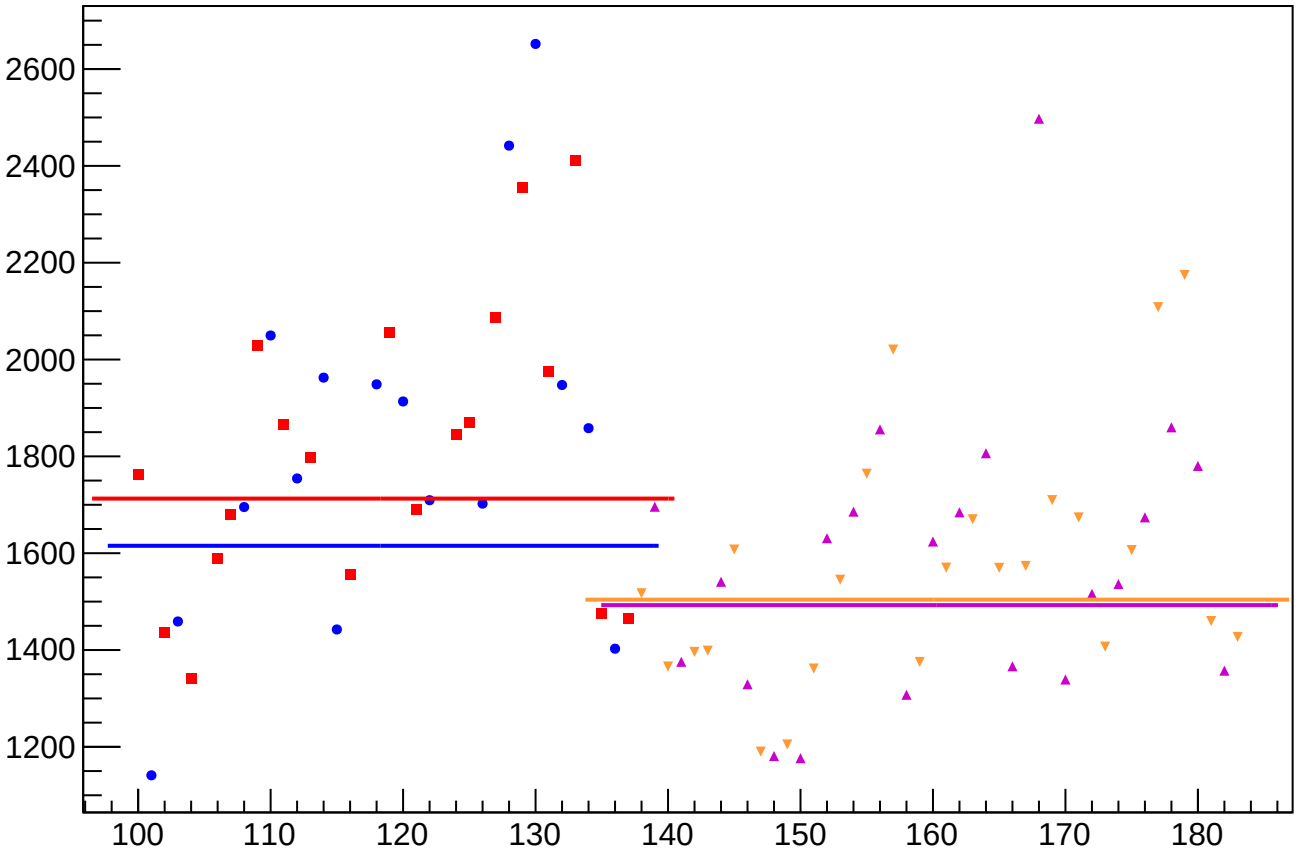
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 85.968+/-357.497 χ^2/NDF:18.1/21

\+ sign 472.182+/-304.418 χ^2/NDF: 41.9/39

All: 364.467+/-217.803 χ^2/NDF: 76.1/80

\- sign 251.500+/-311.752 χ^2/NDF: 34.0/40



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1504.049+/-0.247 χ^2/NDF:799251.0/23

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

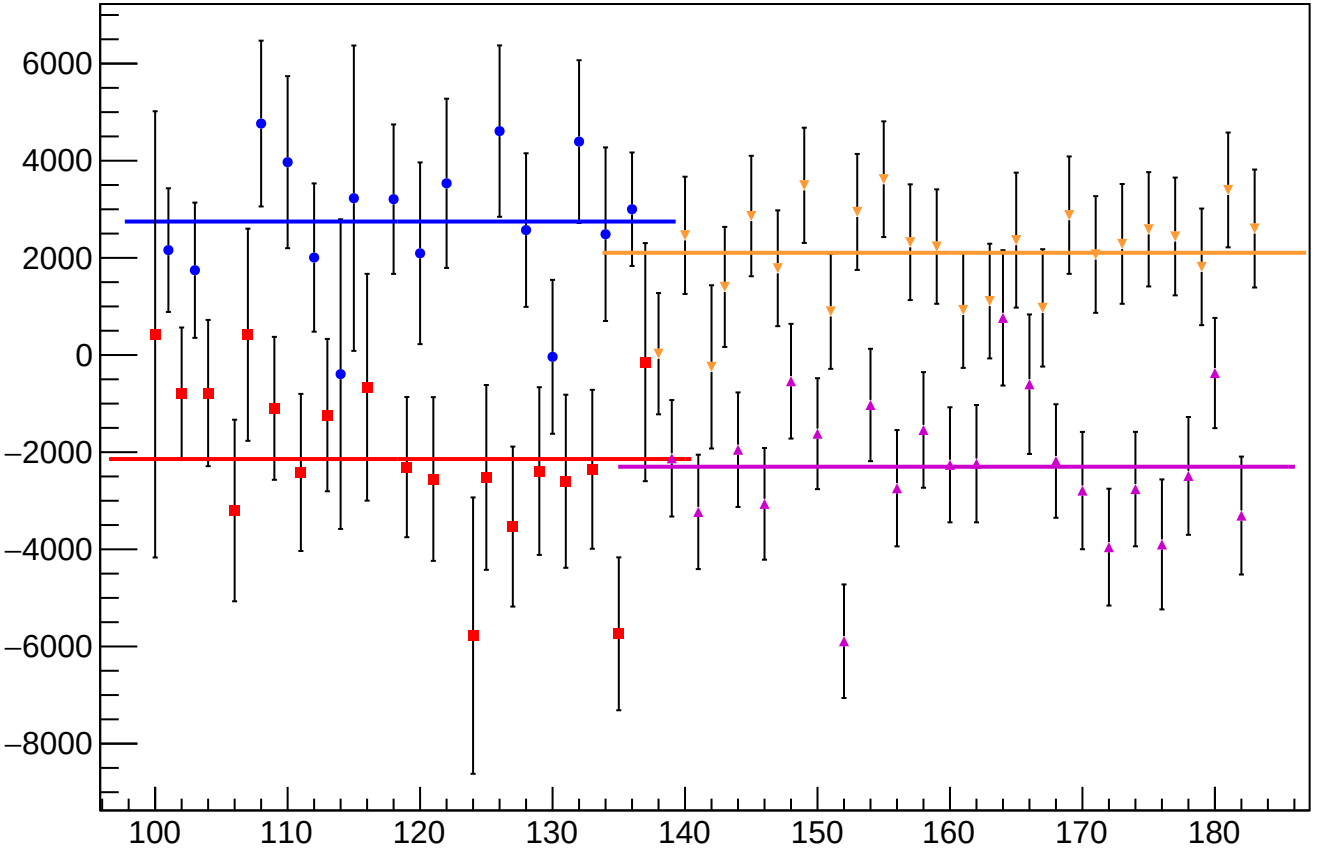
Left In: 1492.781+/-0.253 χ^2/NDF:963421.6/21

+ sign 1531.039+/-0.215 χ^2/NDF: 1541971.0/39

All: 1538.090+/-0.154 χ^2/NDF: 3117116.9/80

- sign 1545.485+/-0.220 χ^2/NDF: 1572947.4/40

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2104.963+/-249.235 χ^2/NDF:14.9/23

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

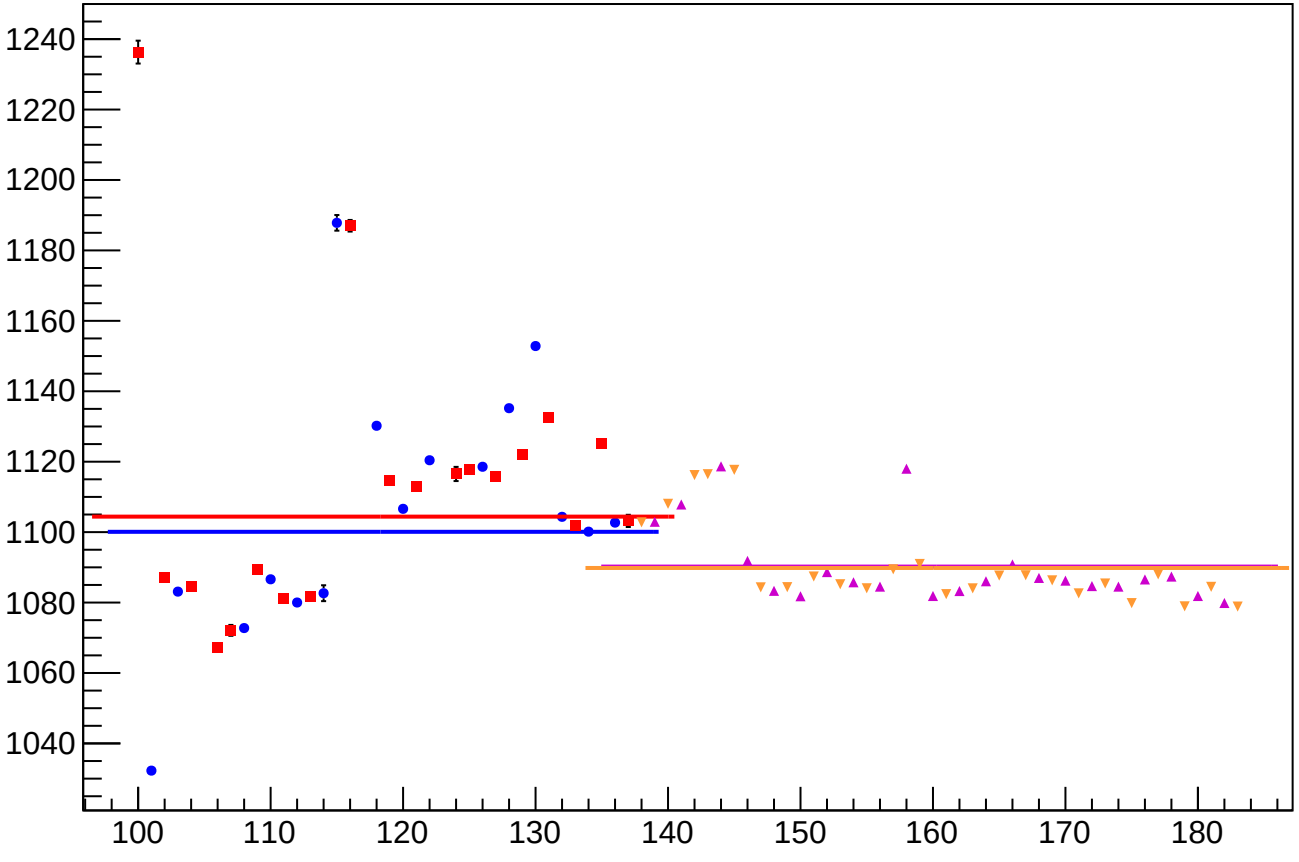
Left In: -2299.645+/-256.647 χ^2/NDF:28.4/21

+ sign 2279.221+/-212.798 χ^2/NDF: 26.2/39

All: 51.170+/-151.743 χ^2/NDF: 291.3/80

- sign -2253.884+/-216.444 χ^2/NDF: 42.1/40

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1089.821+/-0.176 χ^2/NDF:4043.4/23

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

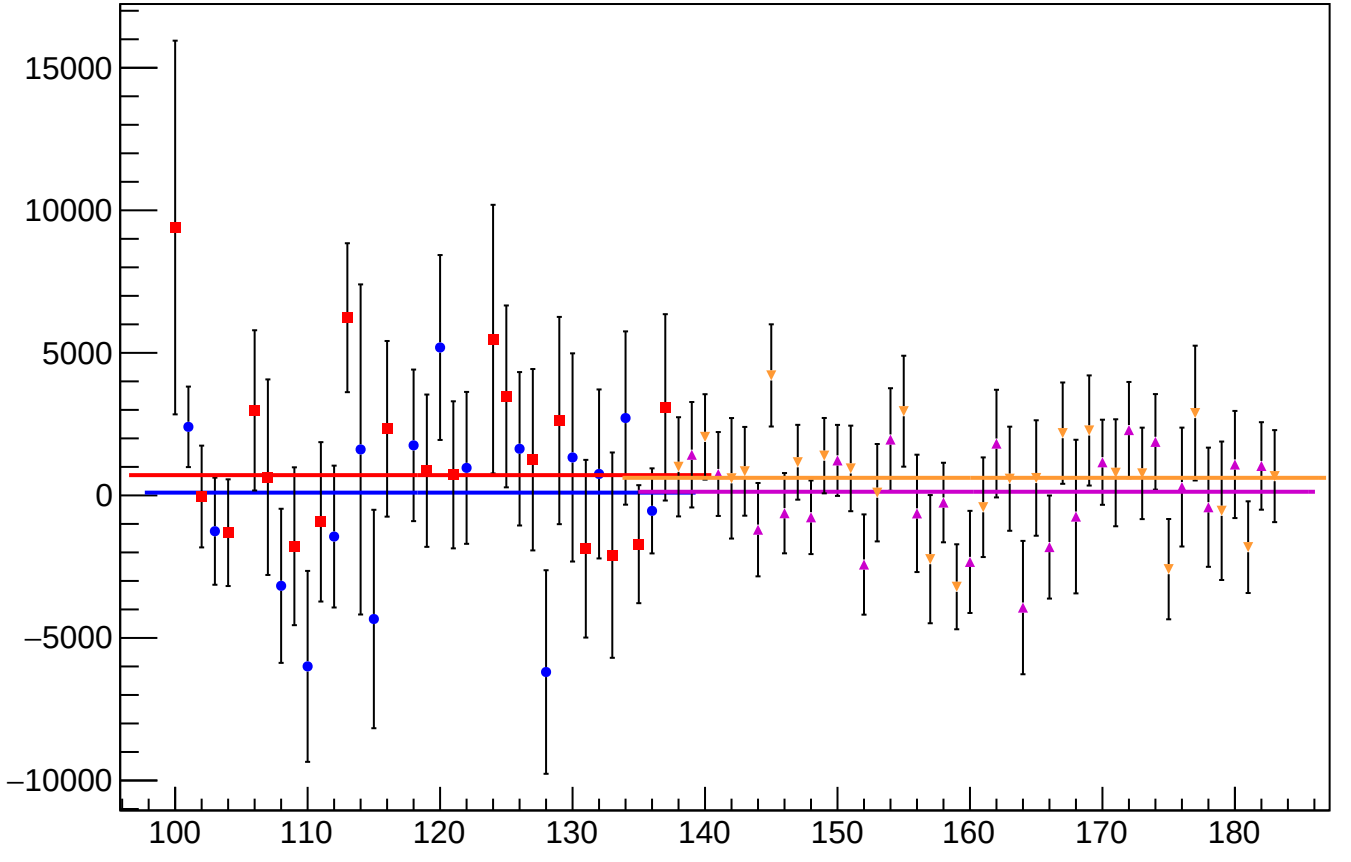
Left In: 1090.218+/-0.181 χ^2/NDF:3779.0/21

+ sign 1092.604+/-0.150 χ^2/NDF: 18040.8/39

All: 1093.444+/-0.107 χ^2/NDF: 32191.0/80

- sign 1094.314+/-0.153 χ^2/NDF: 14086.8/40

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 616.784+/-350.379 χ^2/NDF:23.9/23

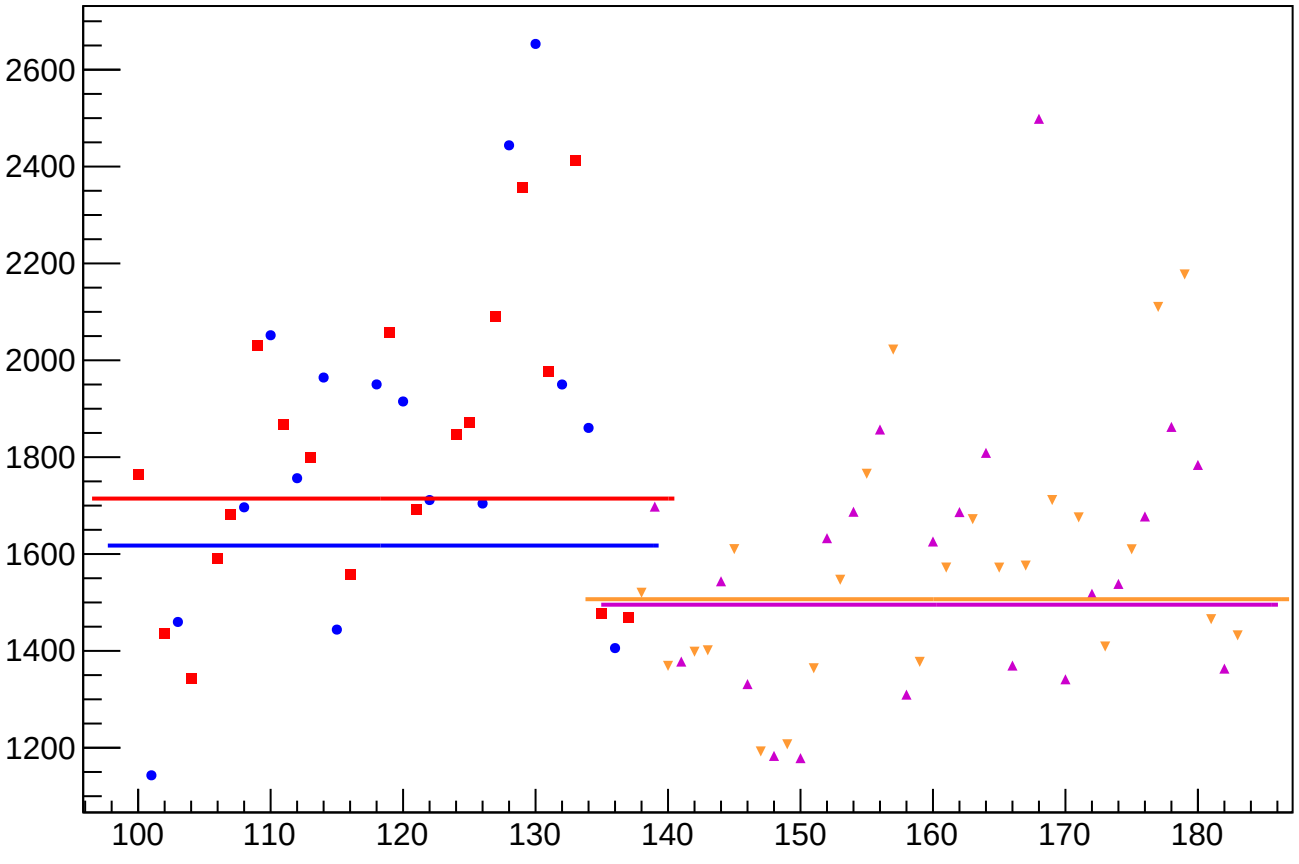
Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 127.904+/-358.097 χ^2/NDF:17.1/21

+ sign 490.723+/-304.904 χ^2/NDF: 41.7/39

All: 381.905+/-218.141 χ^2/NDF: 74.6/80

- sign 267.800+/-312.223 χ^2/NDF: 32.7/40



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1506.726+/-0.248 χ^2/NDF:795968.8/23

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

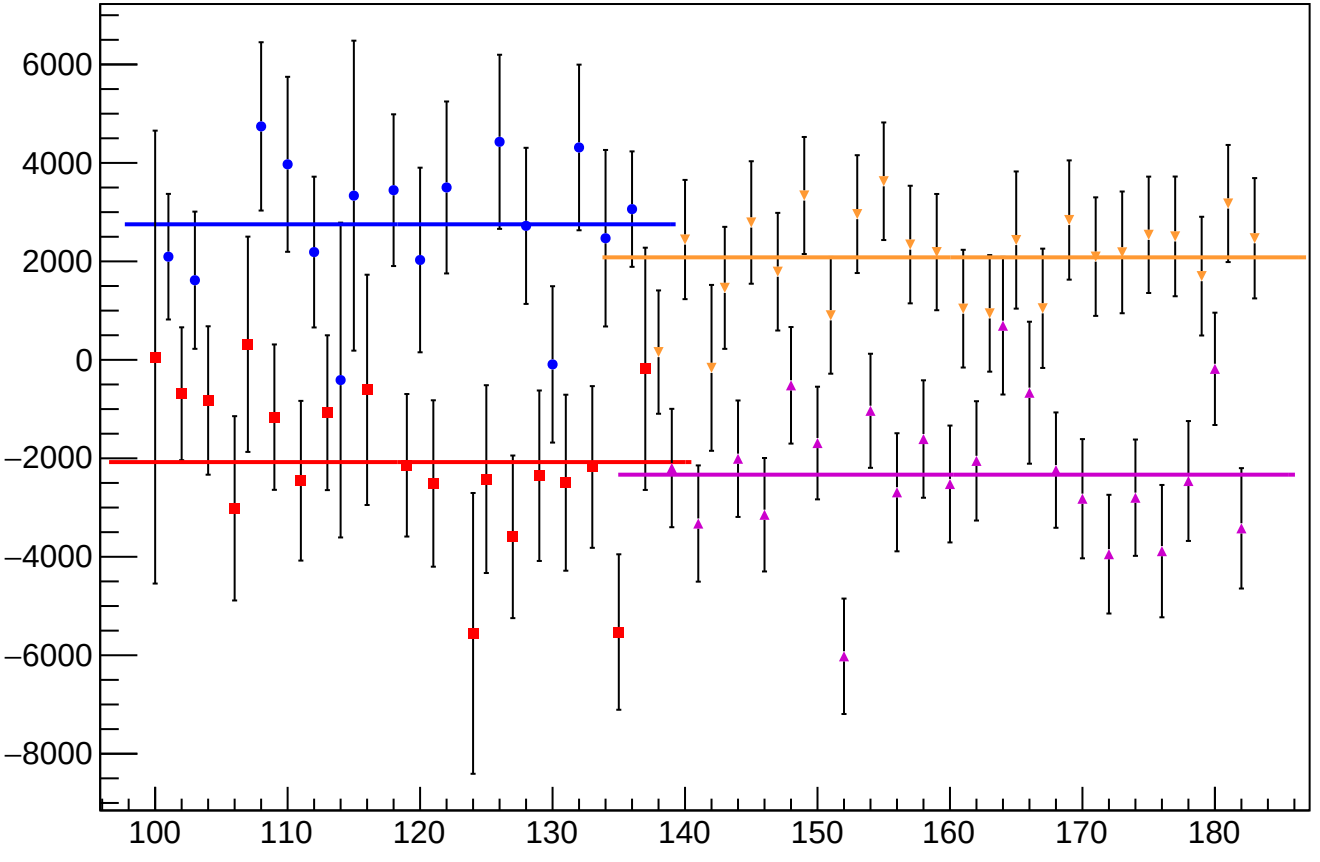
Left In: 1495.390+/-0.253 χ^2/NDF:959759.4/21

+ sign 1533.612+/-0.216 χ^2/NDF: 1536209.7/39

All: 1540.603+/-0.154 χ^2/NDF: 3105402.6/80

- sign 1547.935+/-0.221 χ^2/NDF: 1567038.5/40

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2081.988+/-250.005 χ^2/NDF:13.4/23

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

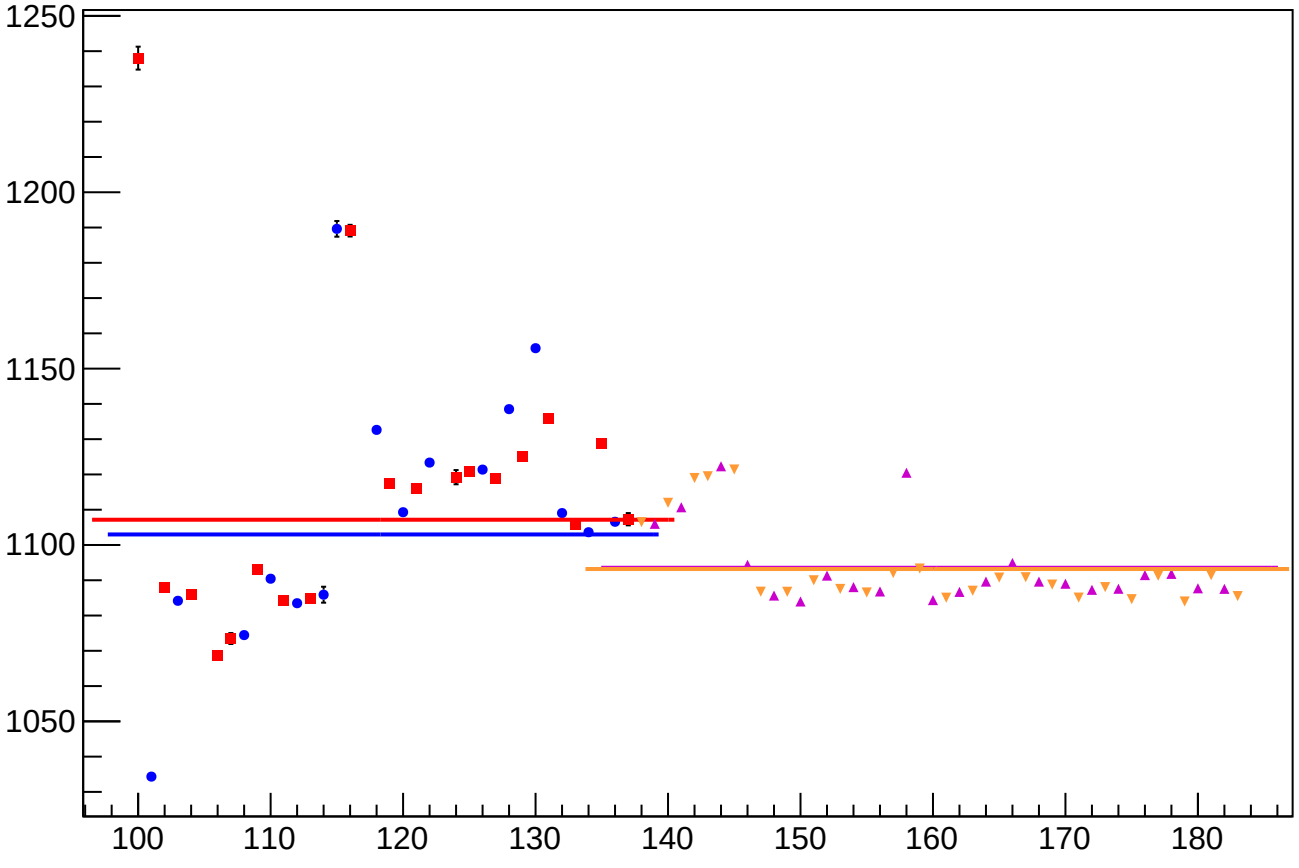
Left In: -2332.154+/-257.430 χ^2/NDF:29.5/21

+ sign 2263.998+/-213.429 χ^2/NDF: 24.9/39

All: 41.100+/-152.188 χ^2/NDF: 287.9/80

- sign -2258.266+/-217.069 χ^2/NDF: 42.3/40

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.190+/-0.177 χ^2/NDF:3965.0/23

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

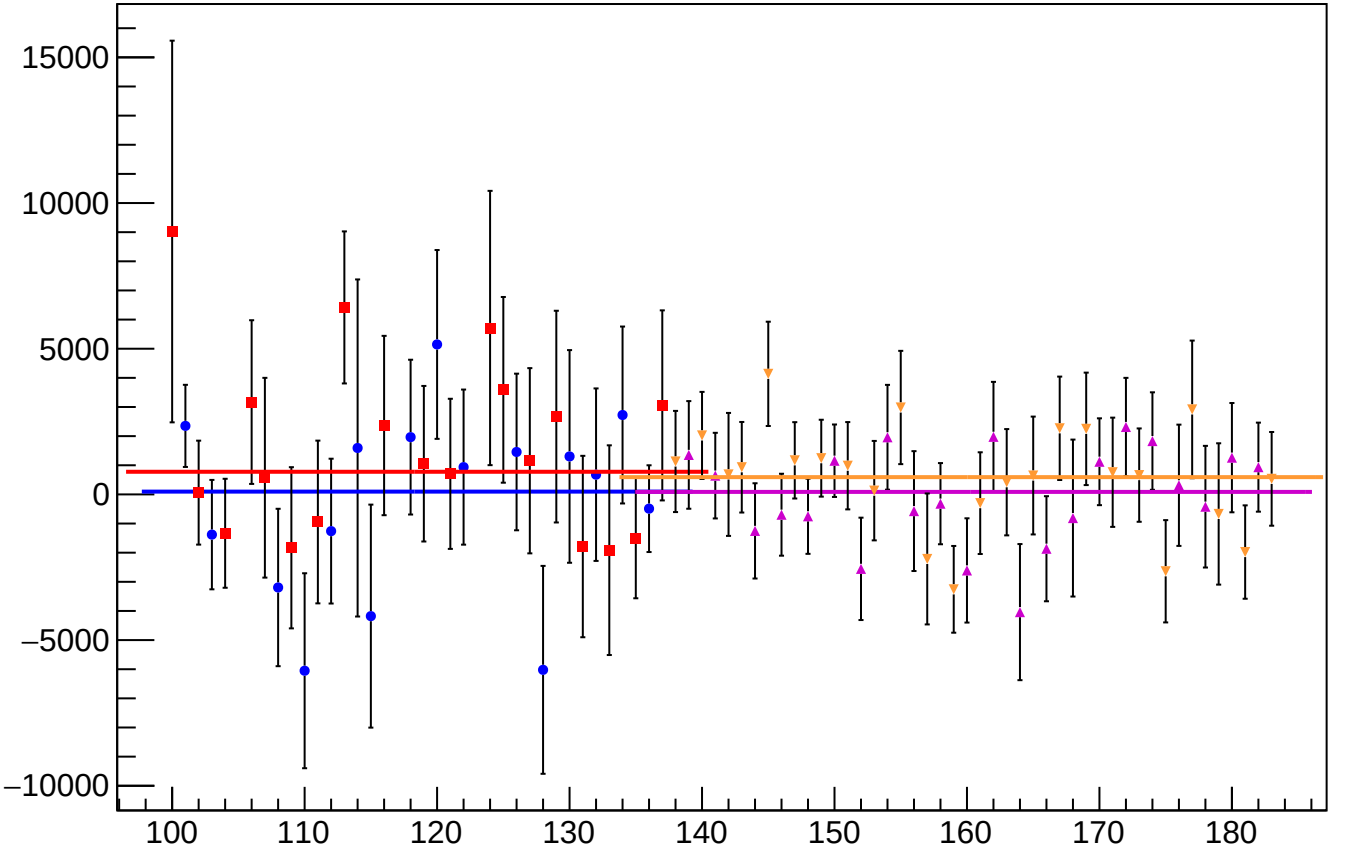
Left In: 1093.544+/-0.182 χ^2/NDF:3648.9/21

+ sign 1095.847+/-0.151 χ^2/NDF: 18021.9/39

All: 1096.649+/-0.108 χ^2/NDF: 32028.3/80

- sign 1097.479+/-0.153 χ^2/NDF: 13949.0/40

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 592.668+/-349.782 χ^2/NDF:24.4/23

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

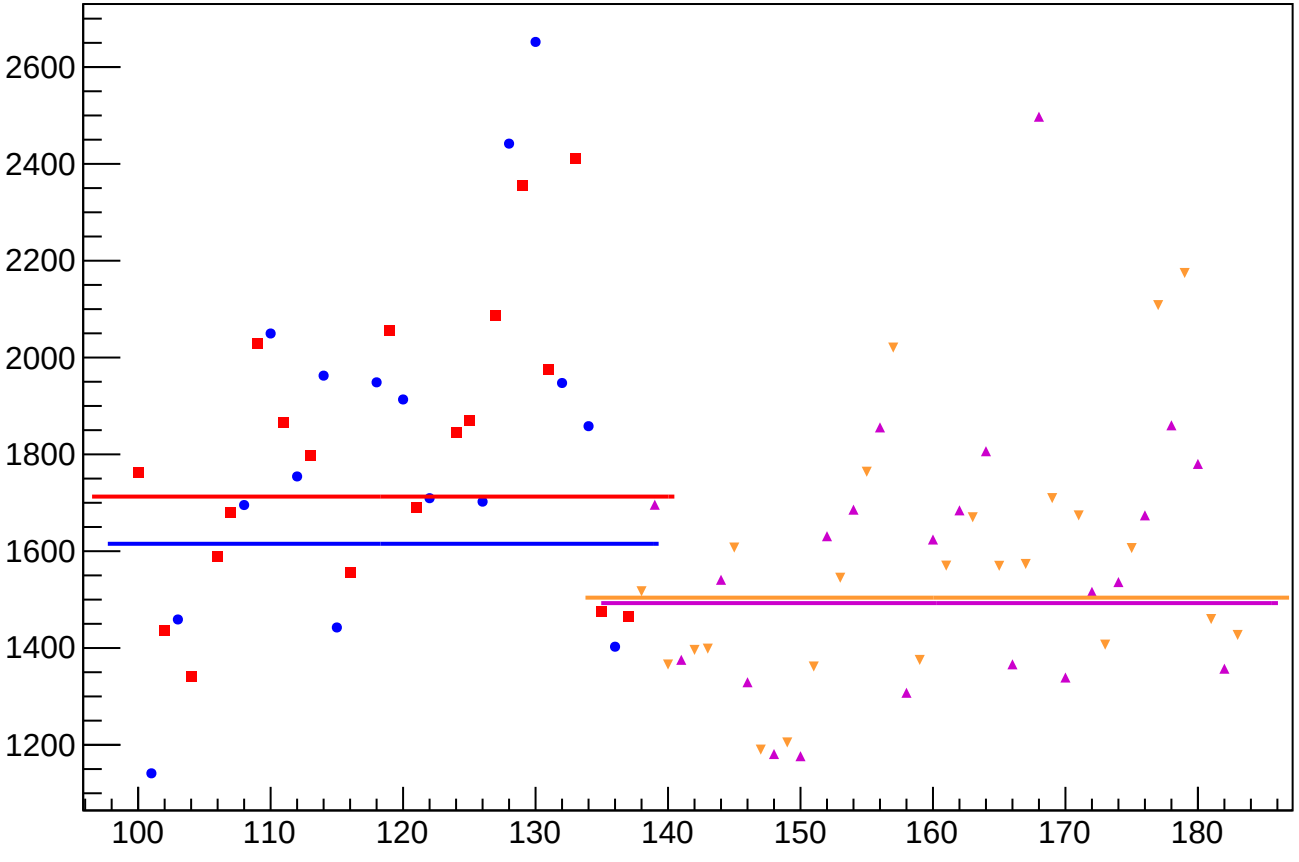
Left In: 85.968+/-357.497 χ^2/NDF:18.1/21

\+ sign 472.182+/-304.418 χ^2/NDF: 41.9/39

All: 364.467+/-217.803 χ^2/NDF: 76.1/80

\- sign 251.500+/-311.752 χ^2/NDF: 34.0/40

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1504.049+/-0.247 χ^2/NDF:799251.0/23

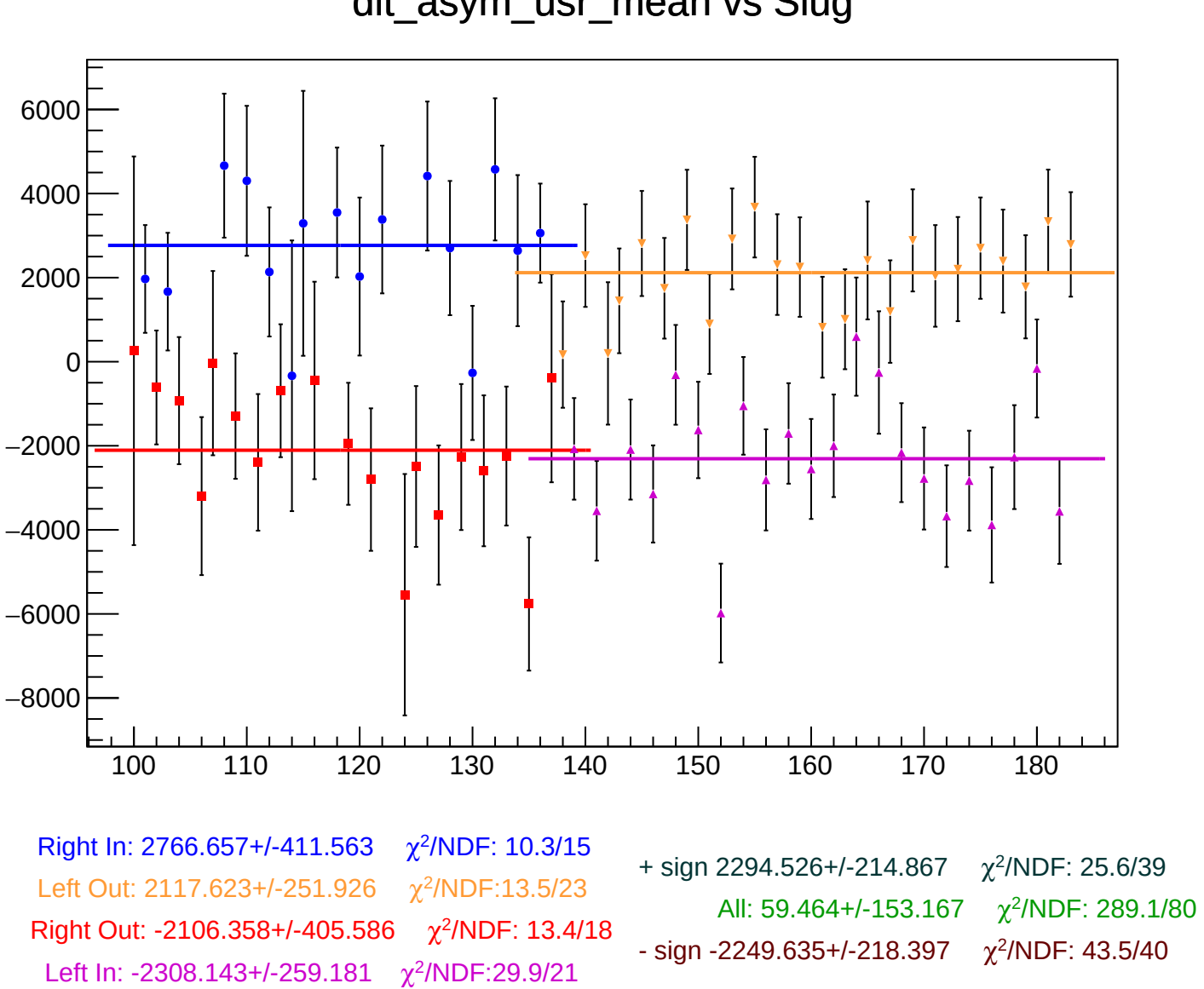
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1492.781+/-0.253 χ^2/NDF:963421.6/21

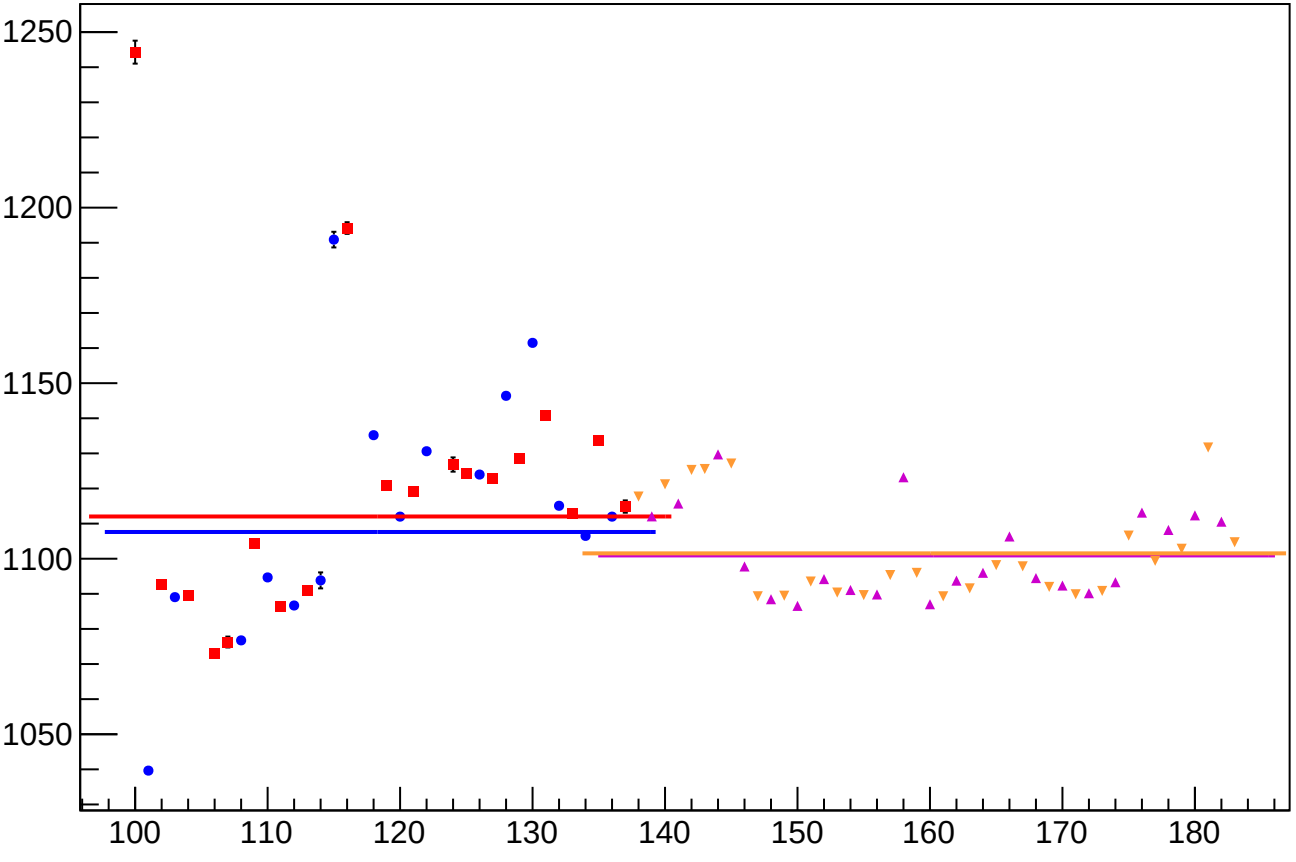
+ sign 1531.039+/-0.215 χ^2/NDF: 1541971.0/39

All: 1538.090+/-0.154 χ^2/NDF: 3117116.9/80

- sign 1545.485+/-0.220 χ^2/NDF: 1572947.4/40


dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 2117.623+/-251.926 χ²/NDF:13.5/23
Right Out: -2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: -2308.143+/-259.181 χ²/NDF:29.9/21
+ sign 2294.526+/-214.867 χ²/NDF: 25.6/39
All: 59.464+/-153.167 χ²/NDF: 289.1/80
- sign -2249.635+/-218.397 χ²/NDF: 43.5/40

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.526+/-0.178 χ^2/NDF:5882.2/23

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

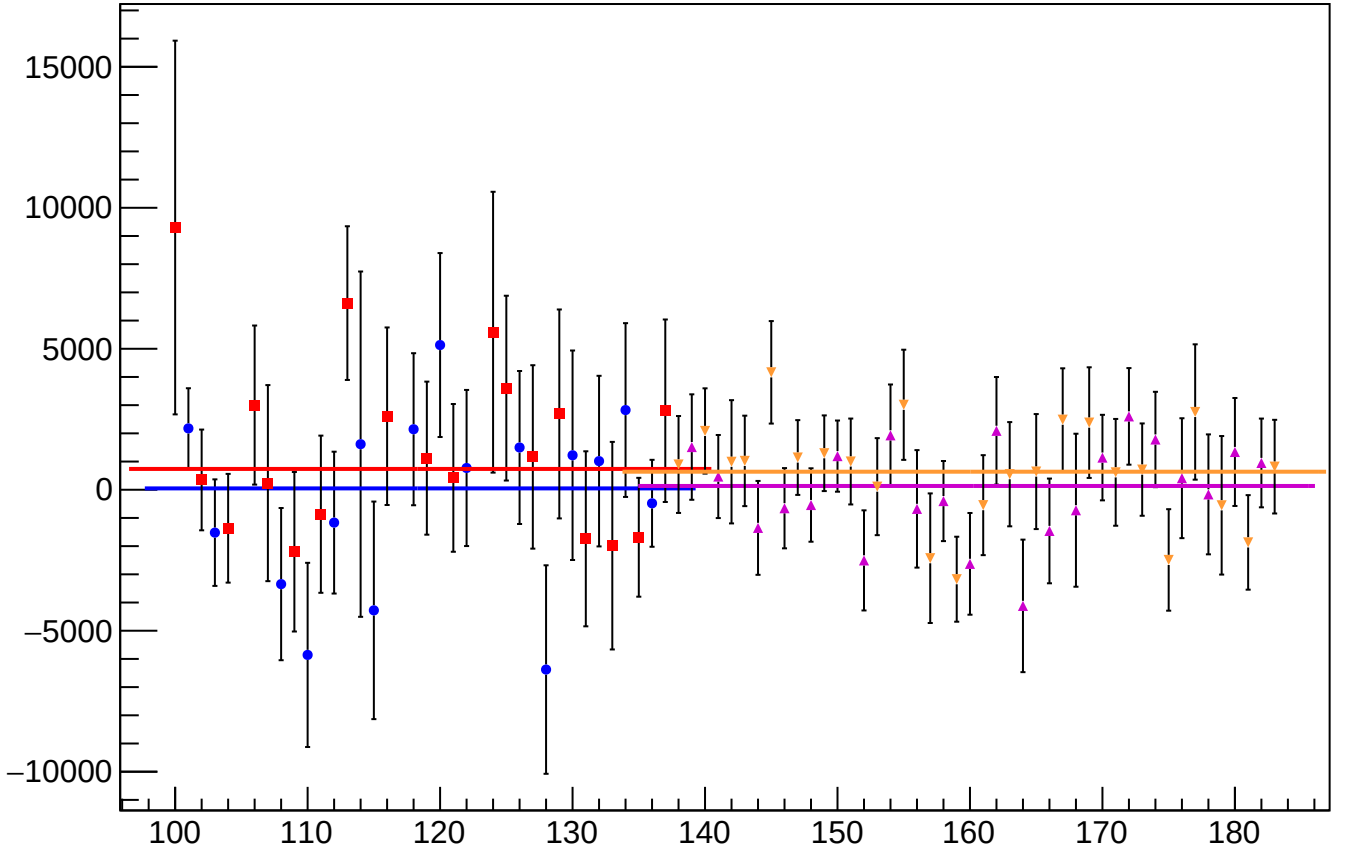
Left In: 1100.935+/-0.183 χ^2/NDF:4605.1/21

+ sign 1103.185+/-0.152 χ^2/NDF: 19421.4/39

All: 1103.661+/-0.108 χ^2/NDF: 33762.4/80

- sign 1104.152+/-0.154 χ^2/NDF: 14321.1/40

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 640.067+/-355.992 χ^2/NDF:23.5/23

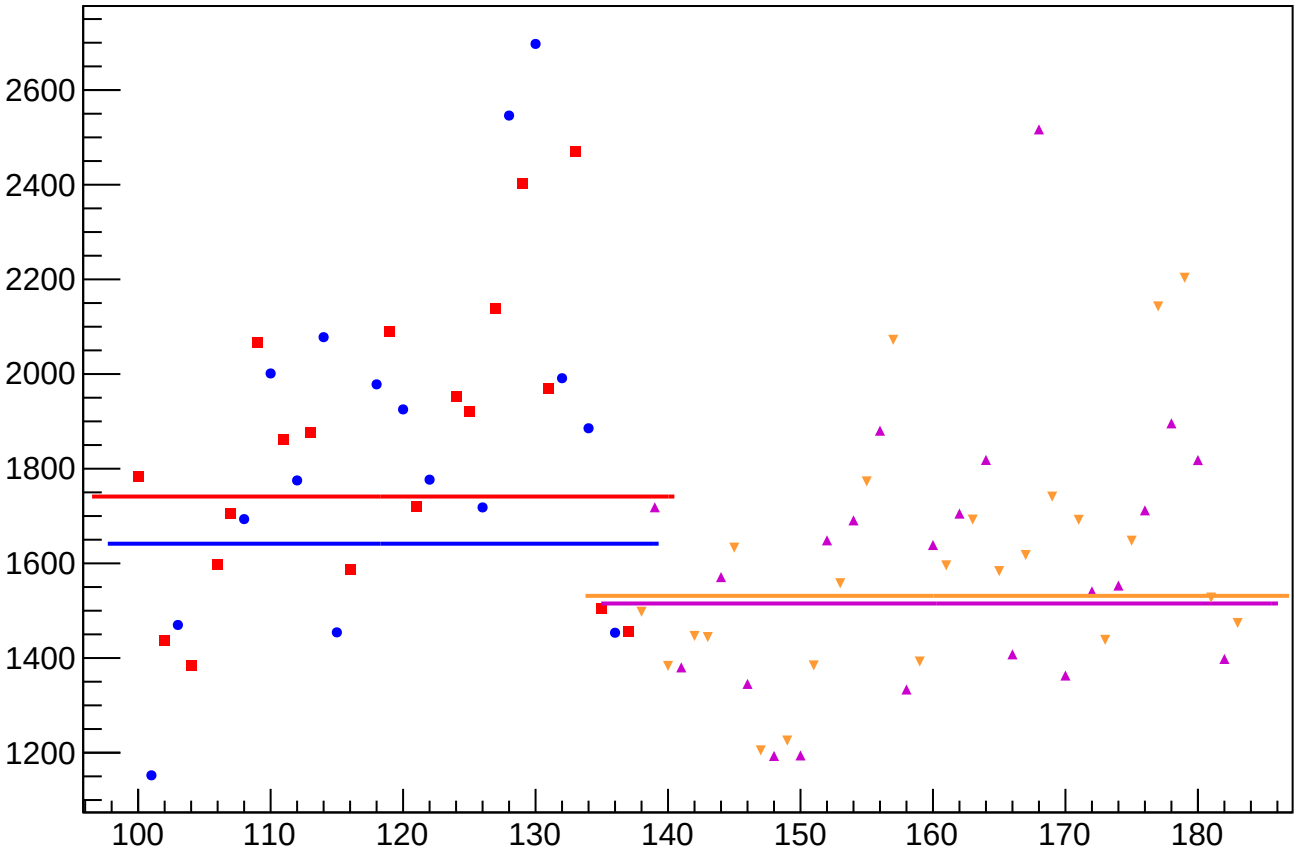
Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 133.963+/-362.695 χ^2/NDF:17.8/21

\+ sign 496.058+/-309.701 χ^2/NDF: 41.1/39

All: 389.468+/-221.346 χ^2/NDF: 74.8/80

\- sign 278.168+/-316.468 χ^2/NDF: 33.5/40



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1531.382+/-0.252 χ^2/NDF:795221.6/23

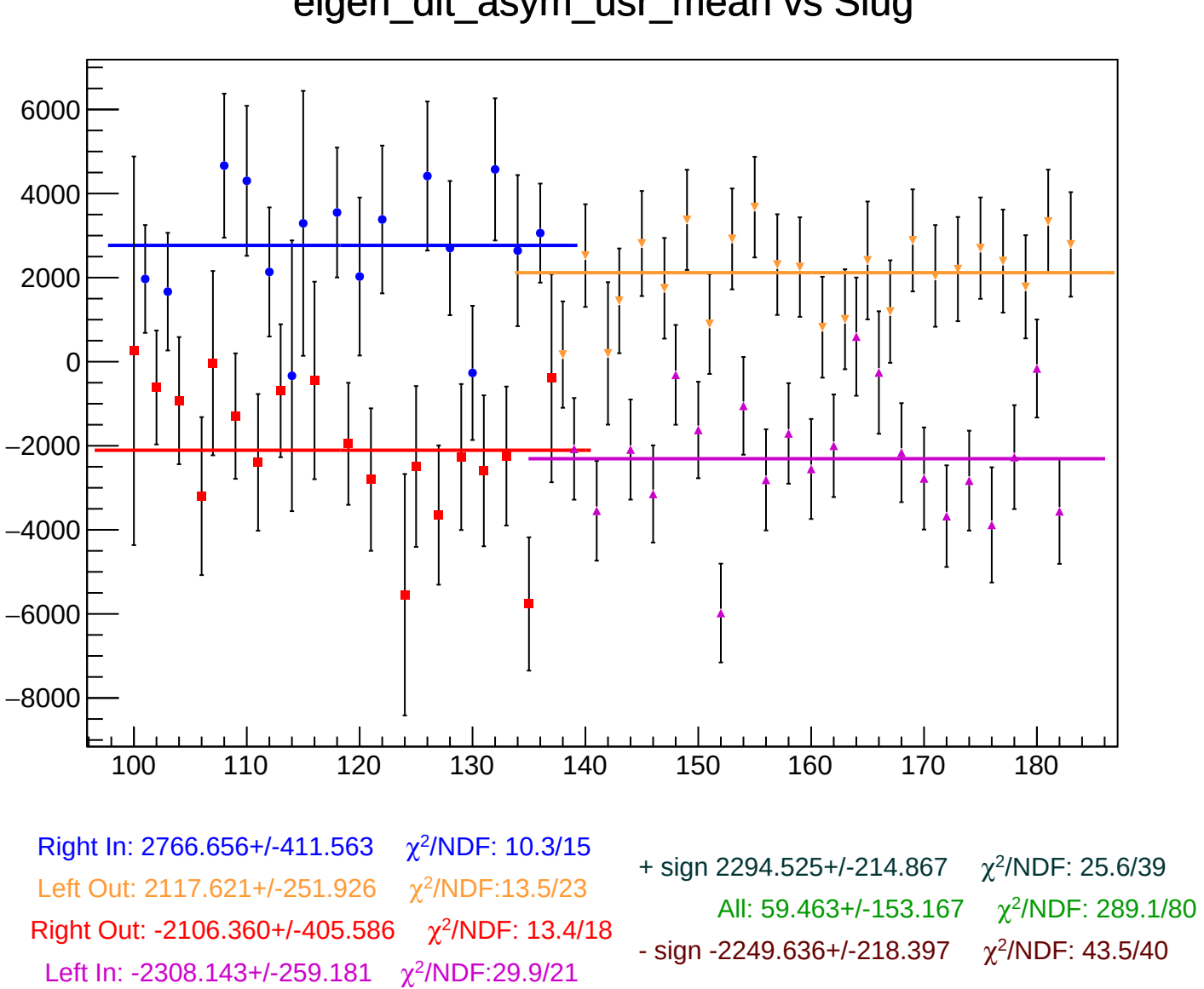
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1515.236+/-0.256 χ^2/NDF:952987.6/21

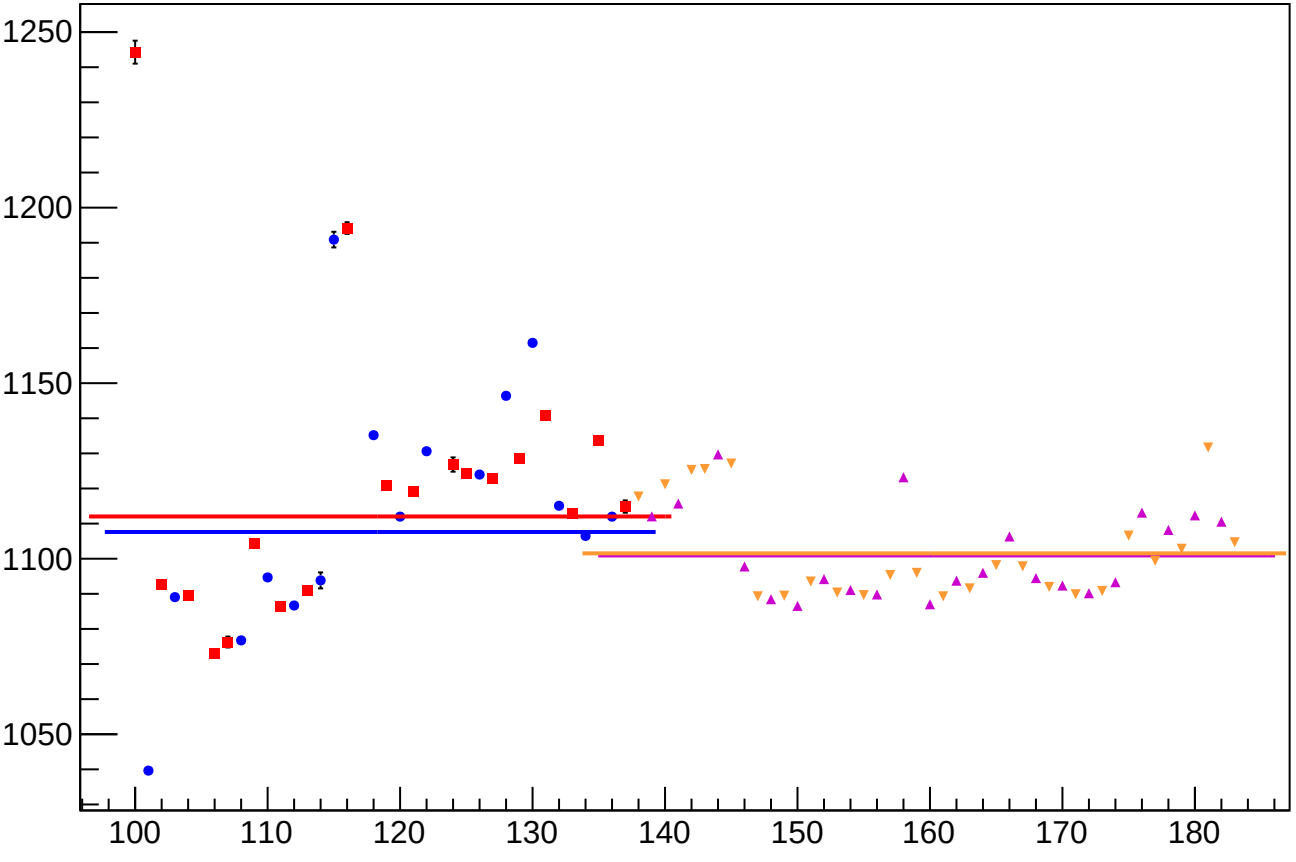
+ sign 1558.167+/-0.219 χ^2/NDF: 1543097.2/39

All: 1563.547+/-0.157 χ^2/NDF: 3120927.0/80

- sign 1569.165+/-0.224 χ^2/NDF: 1576595.8/40


eigen_dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 2766.656+/-411.563 χ²/NDF: 10.3/15
Left Out: 2117.621+/-251.926 χ²/NDF:13.5/23
Right Out: -2106.360+/-405.586 χ²/NDF: 13.4/18
Left In: -2308.143+/-259.181 χ²/NDF:29.9/21
+ sign 2294.525+/-214.867 χ²/NDF: 25.6/39
All: 59.463+/-153.167 χ²/NDF: 289.1/80
- sign -2249.636+/-218.397 χ²/NDF: 43.5/40

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.526+/-0.178 χ^2/NDF:5882.2/23

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

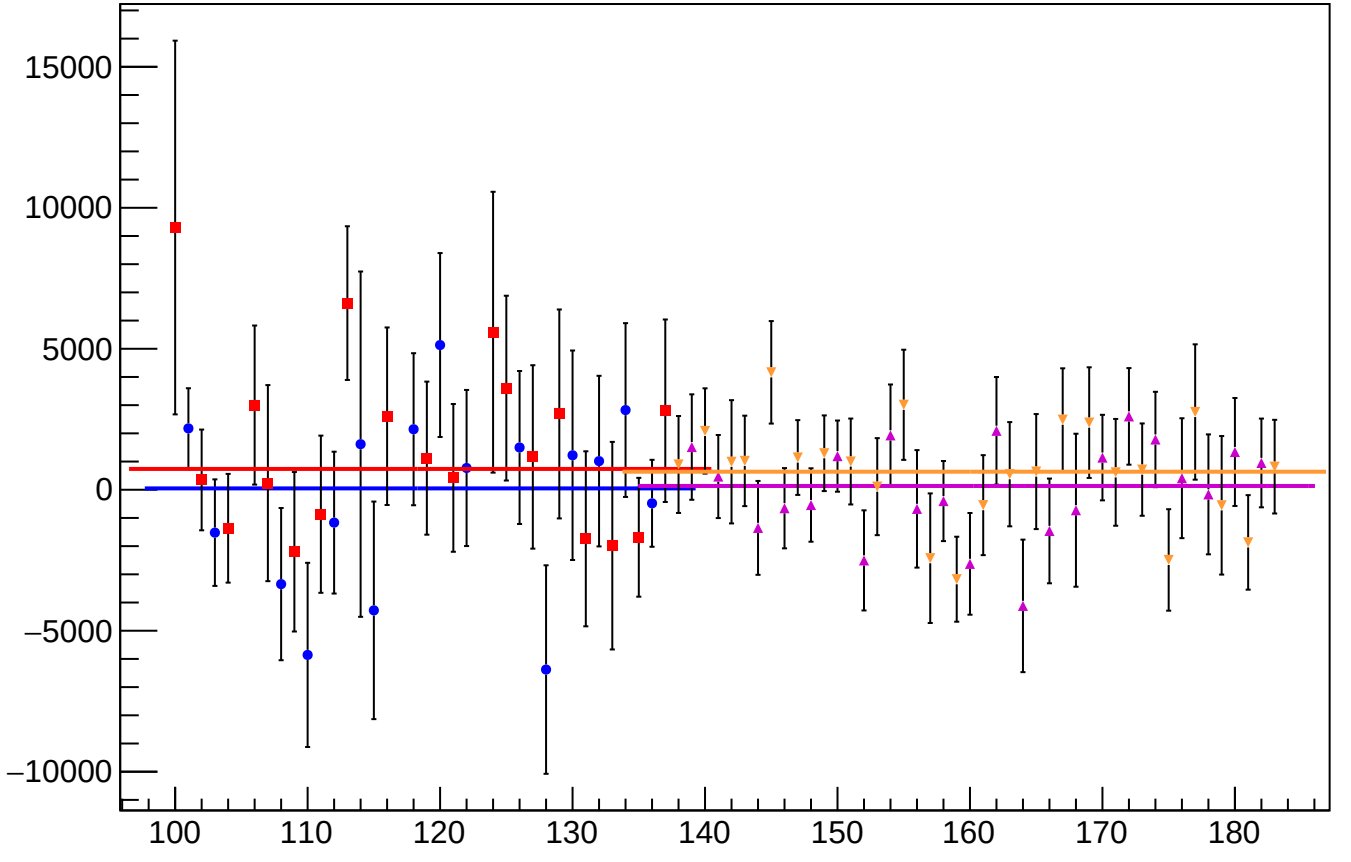
Left In: 1100.935+/-0.183 χ^2/NDF:4605.1/21

+ sign 1103.185+/-0.152 χ^2/NDF: 19421.2/39

All: 1103.660+/-0.108 χ^2/NDF: 33762.2/80

- sign 1104.152+/-0.154 χ^2/NDF: 14321.1/40

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 640.065+/-355.992 χ^2/NDF:23.5/23

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

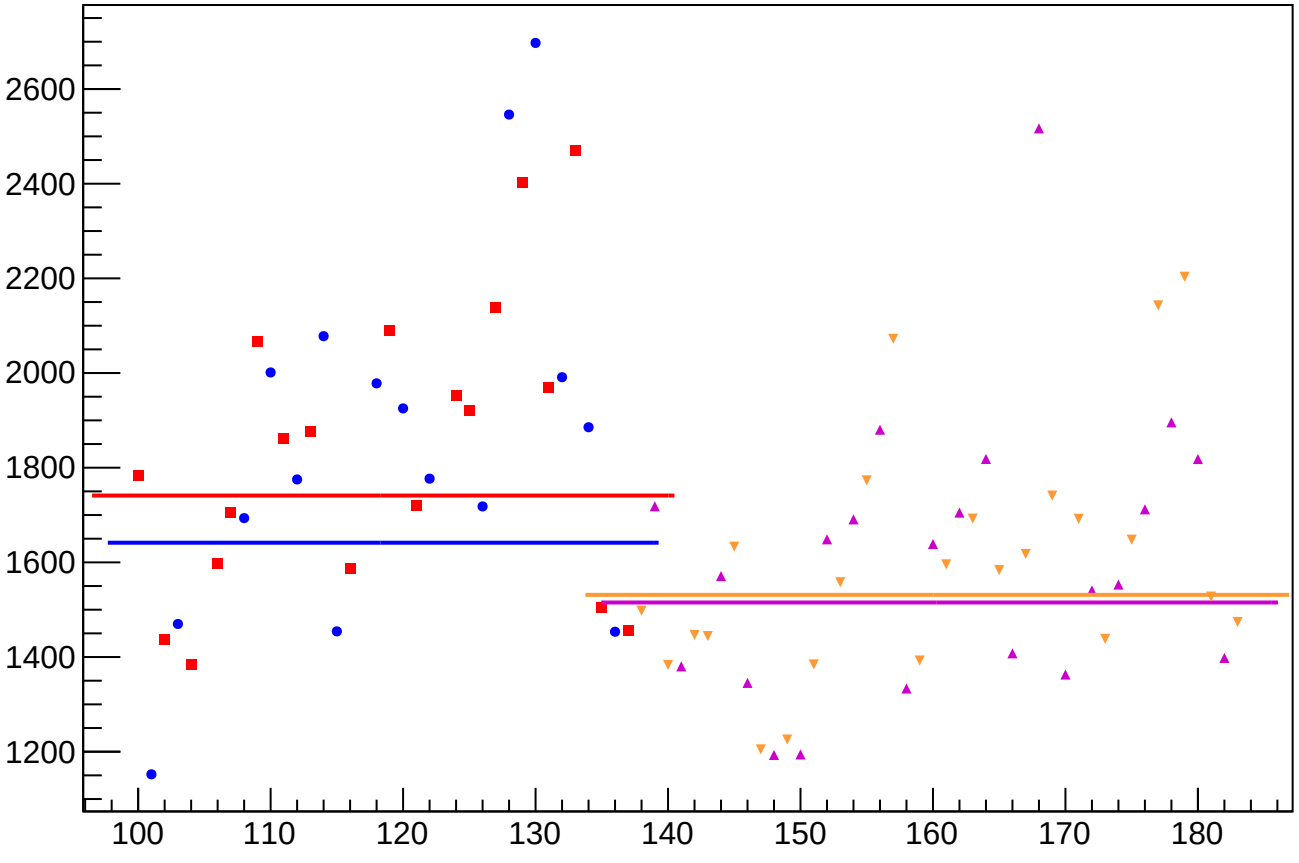
Left In: 133.963+/-362.696 χ^2/NDF:17.8/21

\+ sign 496.055+/-309.702 χ^2/NDF: 41.1/39

All: 389.467+/-221.346 χ^2/NDF: 74.8/80

\- sign 278.170+/-316.469 χ^2/NDF: 33.5/40

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1531.386+/-0.252 χ^2/NDF:795225.5/23

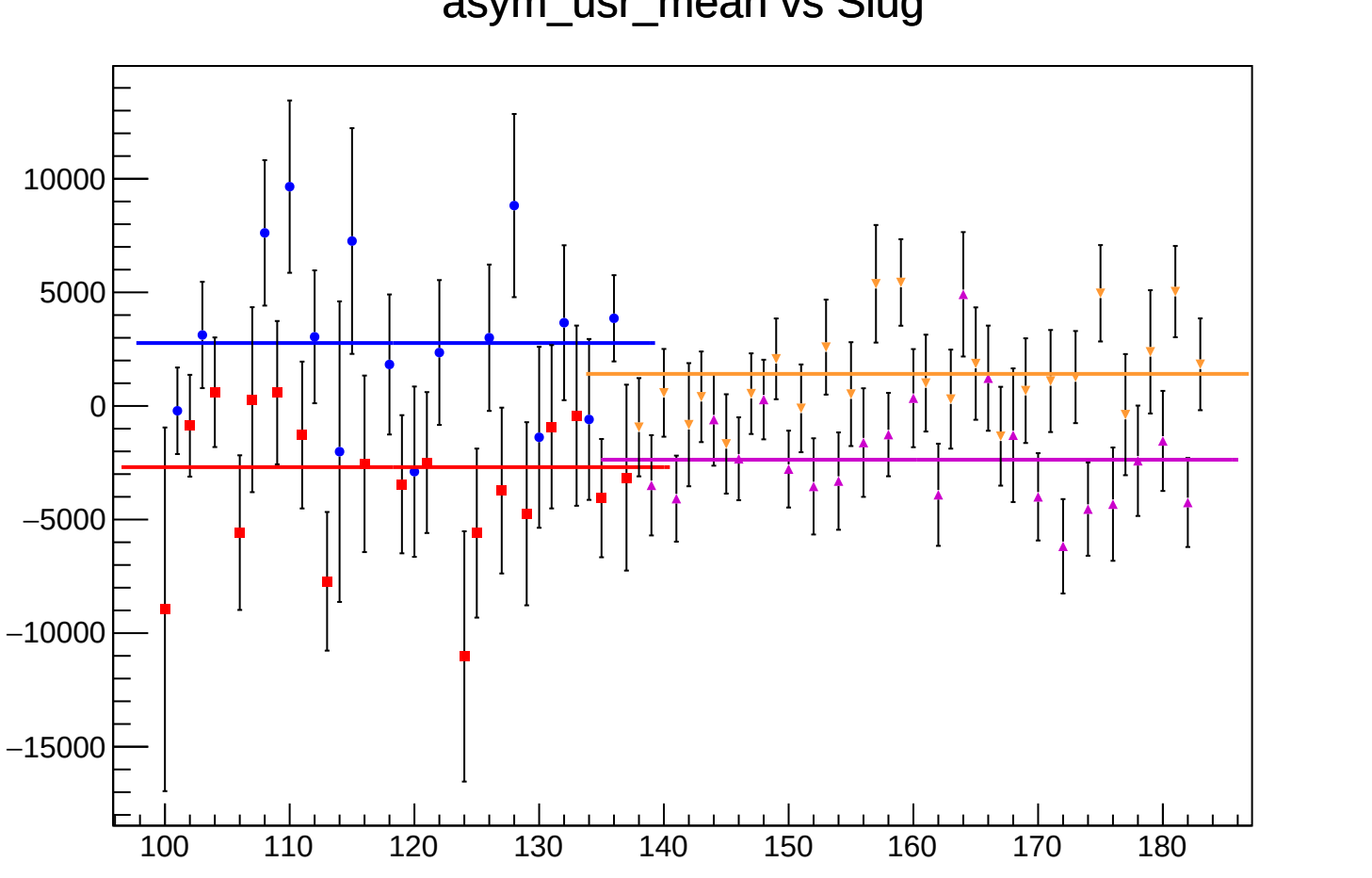
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1515.240+/-0.256 χ^2/NDF:952993.4/21

+ sign 1558.169+/-0.219 χ^2/NDF: 1543083.9/39

All: 1563.550+/-0.157 χ^2/NDF: 3120899.1/80

- sign 1569.168+/-0.224 χ^2/NDF: 1576581.1/40



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1412.066+/-436.392 χ^2/NDF:21.3/23

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

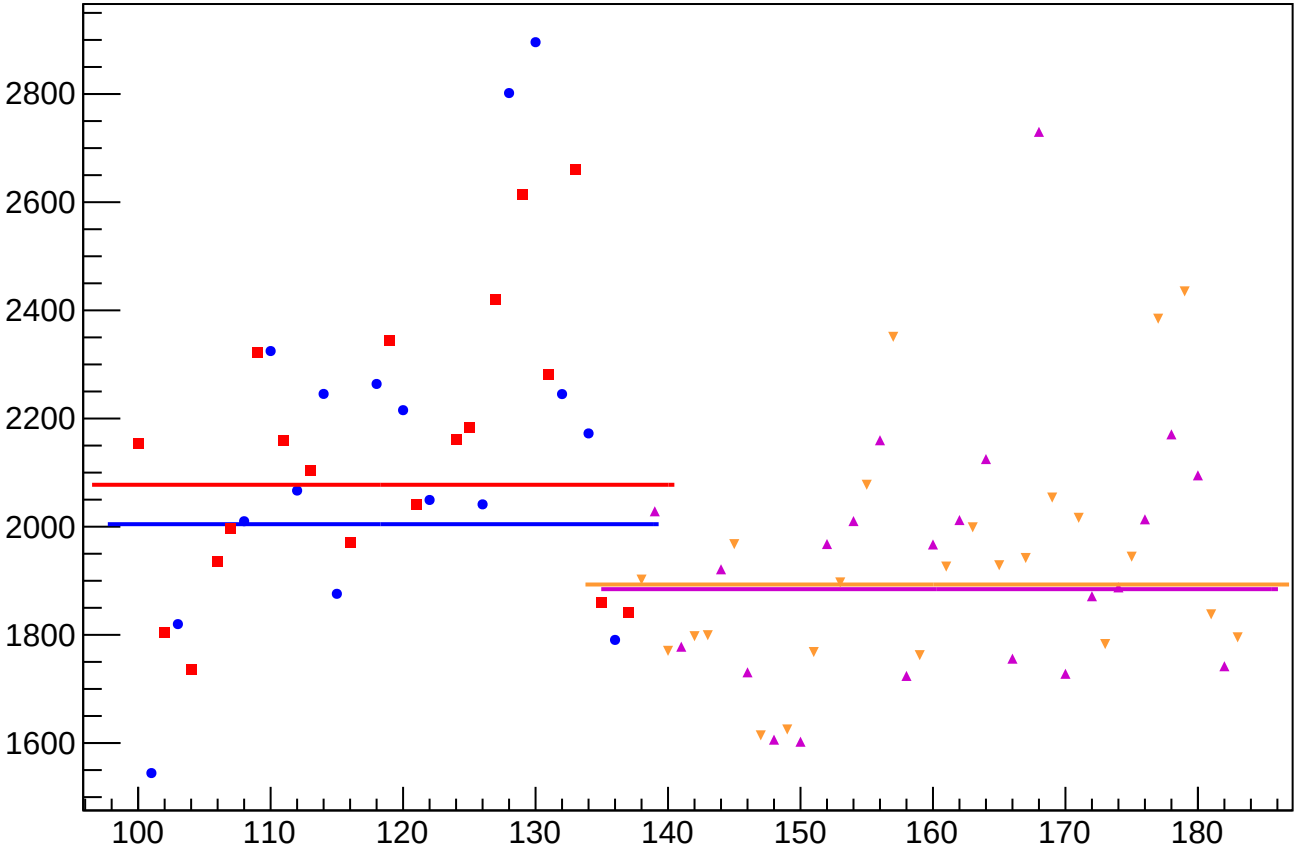
Left In: -2365.870+/-447.242 χ^2/NDF:23.7/21

+ sign 1750.693+/-378.083 χ^2/NDF: 40.1/39

All: -304.566+/-270.168 χ^2/NDF: 136.9/80

- sign -2448.982+/-386.197 χ^2/NDF: 36.4/40

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1893.111+/-0.309 χ^2/NDF:388936.9/23

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

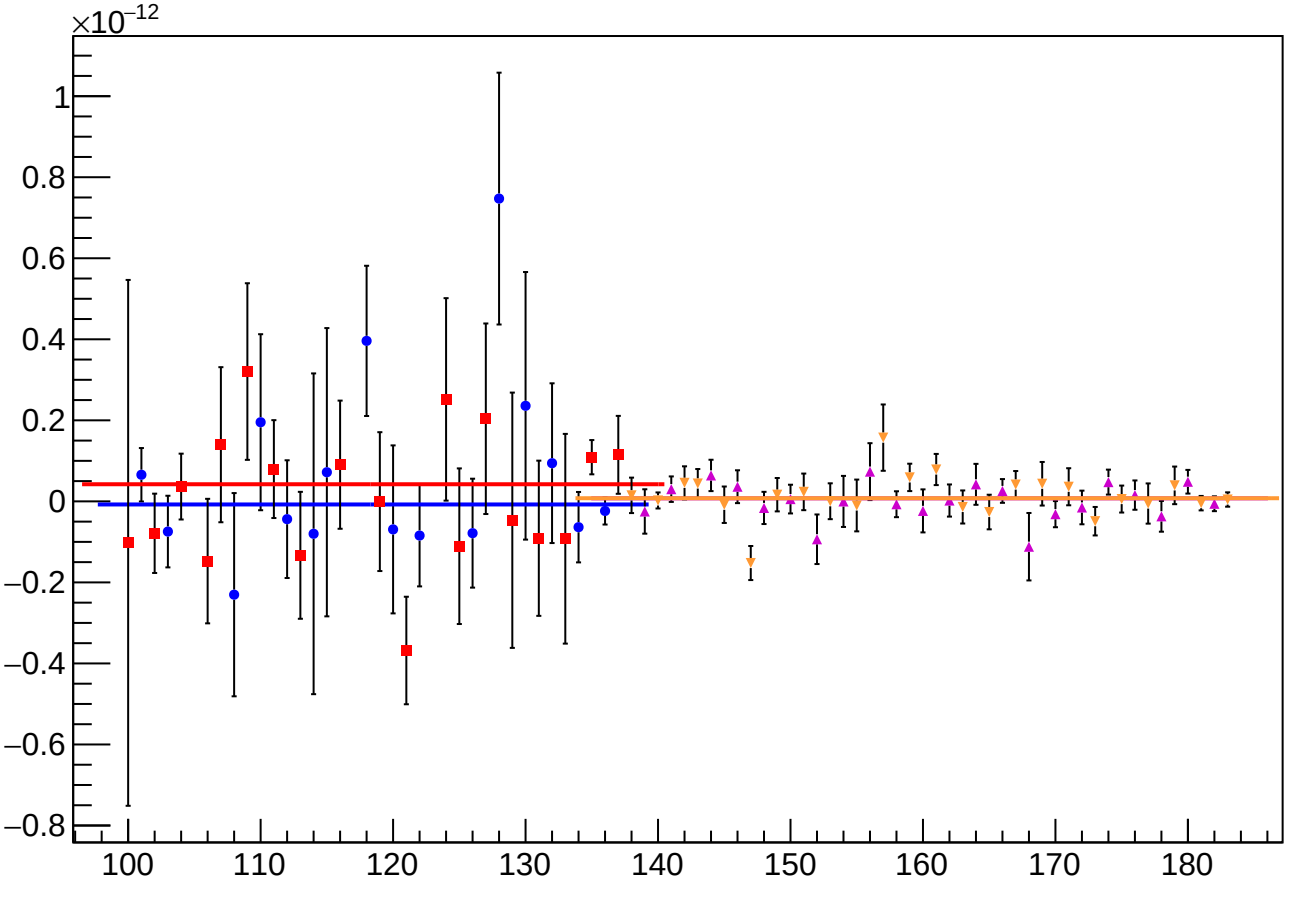
Left In: 1884.499+/-0.316 χ^2/NDF:459098.6/21

+ sign 1920.923+/-0.267 χ^2/NDF: 809078.3/39

All: 1927.122+/-0.191 χ^2/NDF: 1594491.2/80

- sign 1933.590+/-0.273 χ^2/NDF: 784314.3/40

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

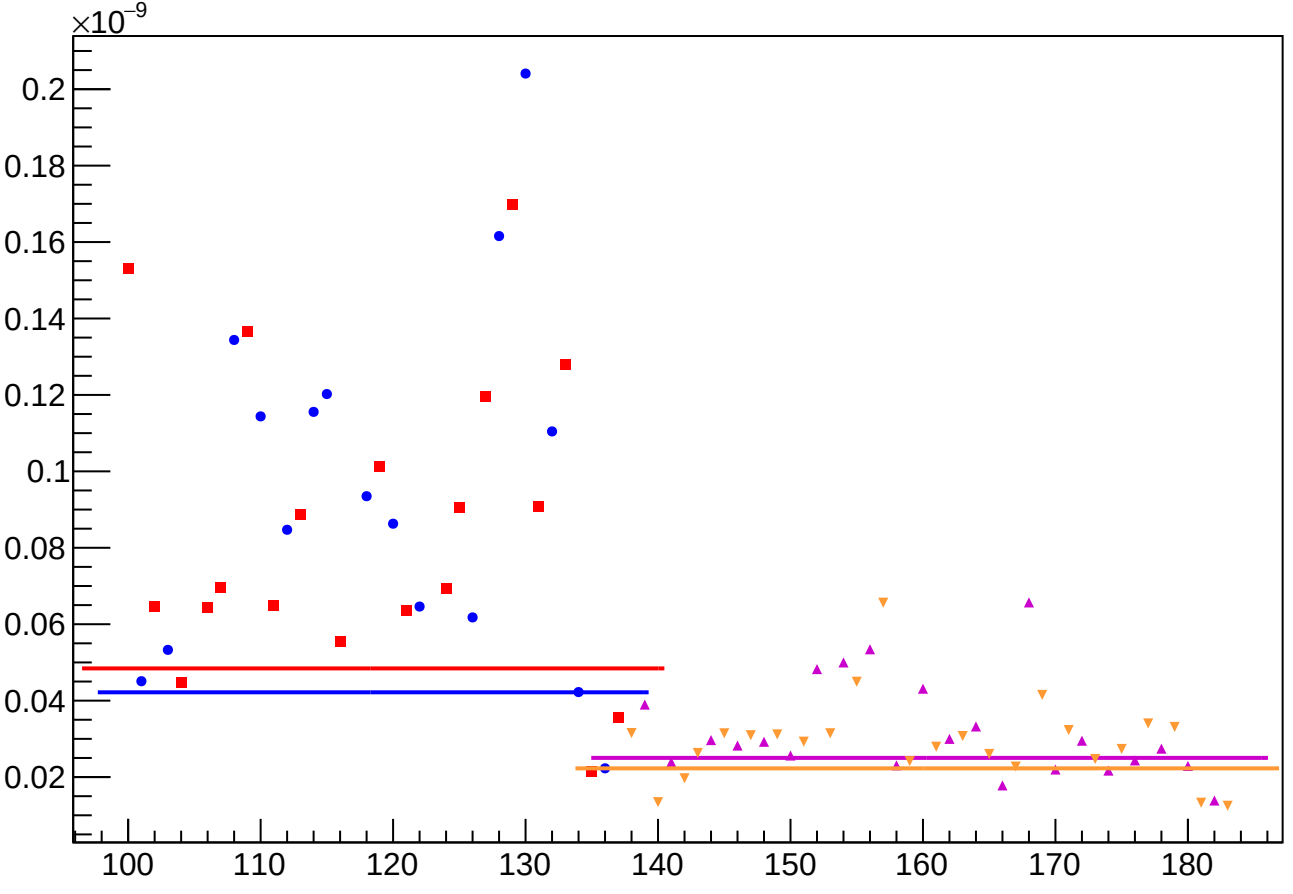
Left In: 0.000+/-0.000 χ^2/NDF:18.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/39

All: 0.000+/-0.000 χ^2/NDF: 90.9/80

- sign 0.000+/-0.000 χ^2/NDF: 41.6/40

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3627507.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

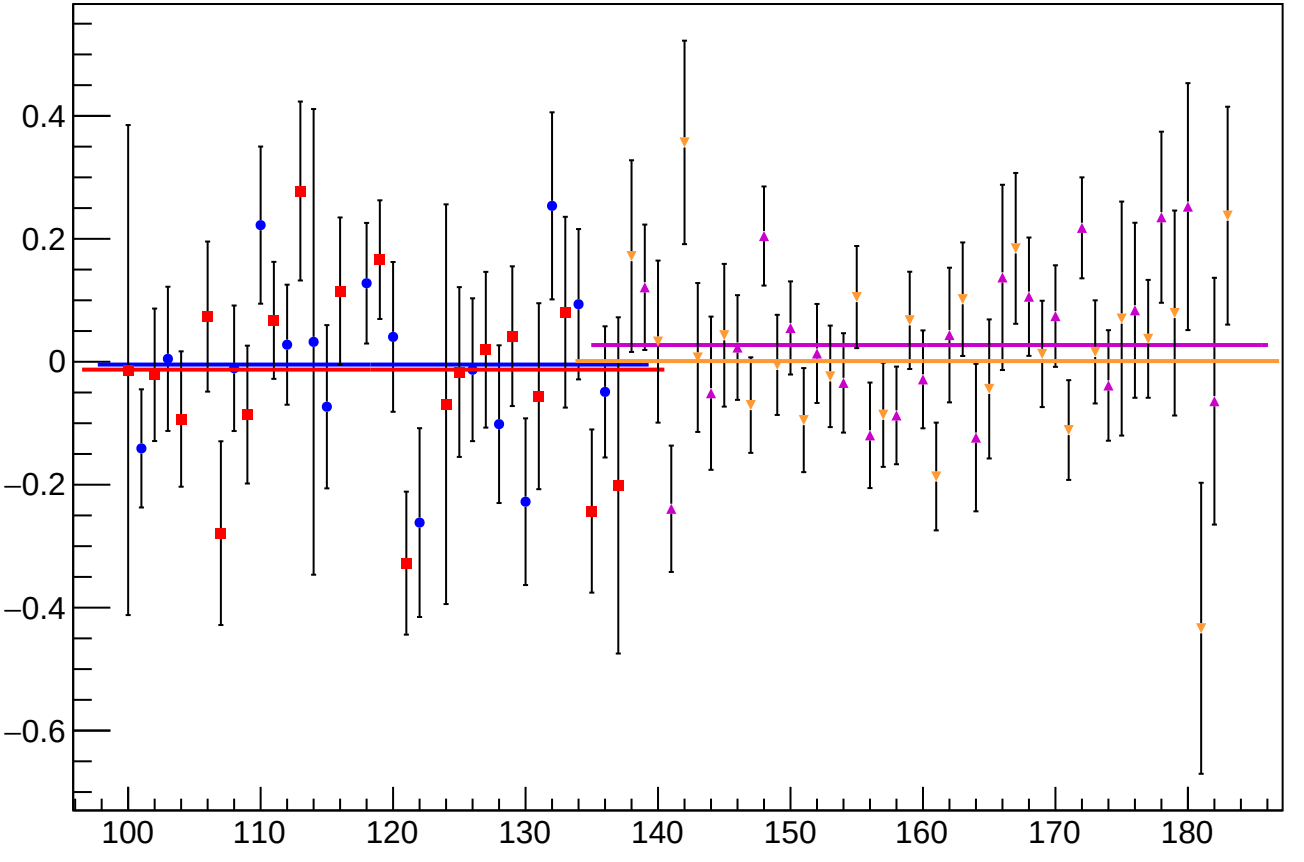
Left In: 0.000+/-0.000 χ^2/NDF:2878160.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 7802241.8/39

All: 0.000+/-0.000 χ^2/NDF: 14855365.7/80

- sign 0.000+/-0.000 χ^2/NDF: 6870546.1/40

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:27.4/23

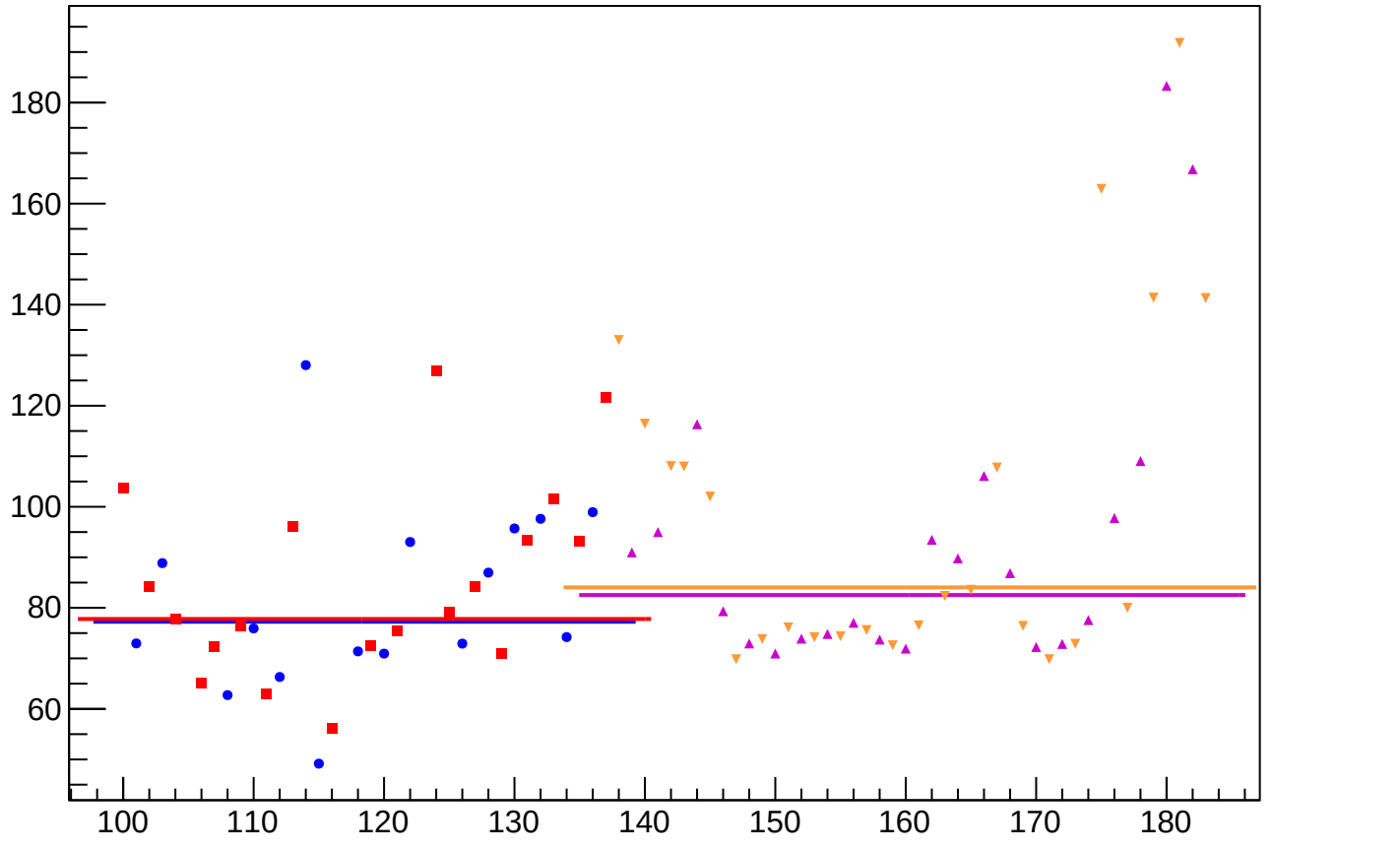
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.027+/-0.021 χ^2/NDF:31.9/21

+ sign -0.001+/-0.017 χ^2/NDF: 44.7/39

All: 0.007+/-0.012 χ^2/NDF: 103.7/80

- sign 0.014+/-0.017 χ^2/NDF: 58.6/40



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128434.9/23

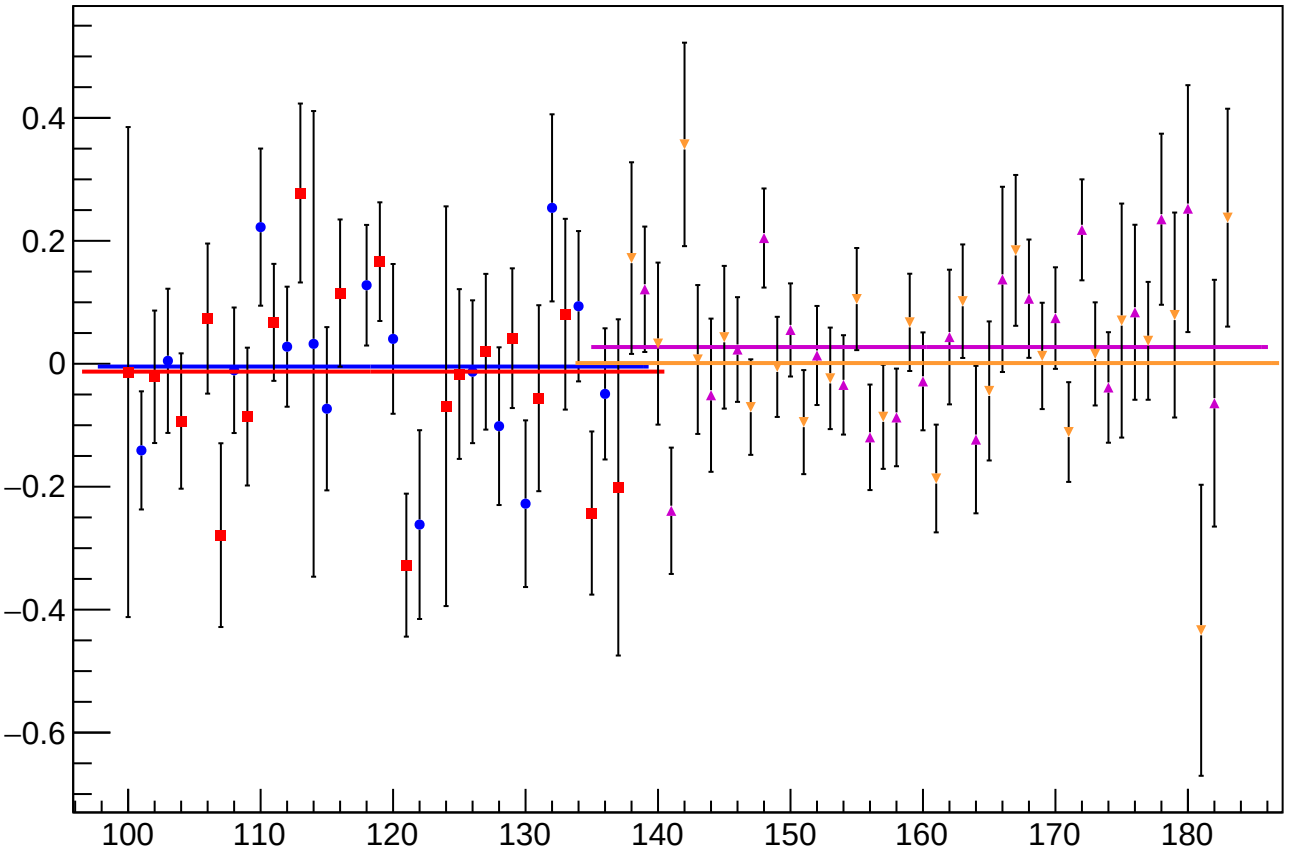
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.532+/-0.015 χ^2/NDF:1473730.5/21

+ sign 81.883+/-0.012 χ^2/NDF: 2617257.2/39

All: 81.438+/-0.008 χ^2/NDF: 4524499.1/80

- sign 80.994+/-0.012 χ^2/NDF: 1904493.0/40



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:27.4/23

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

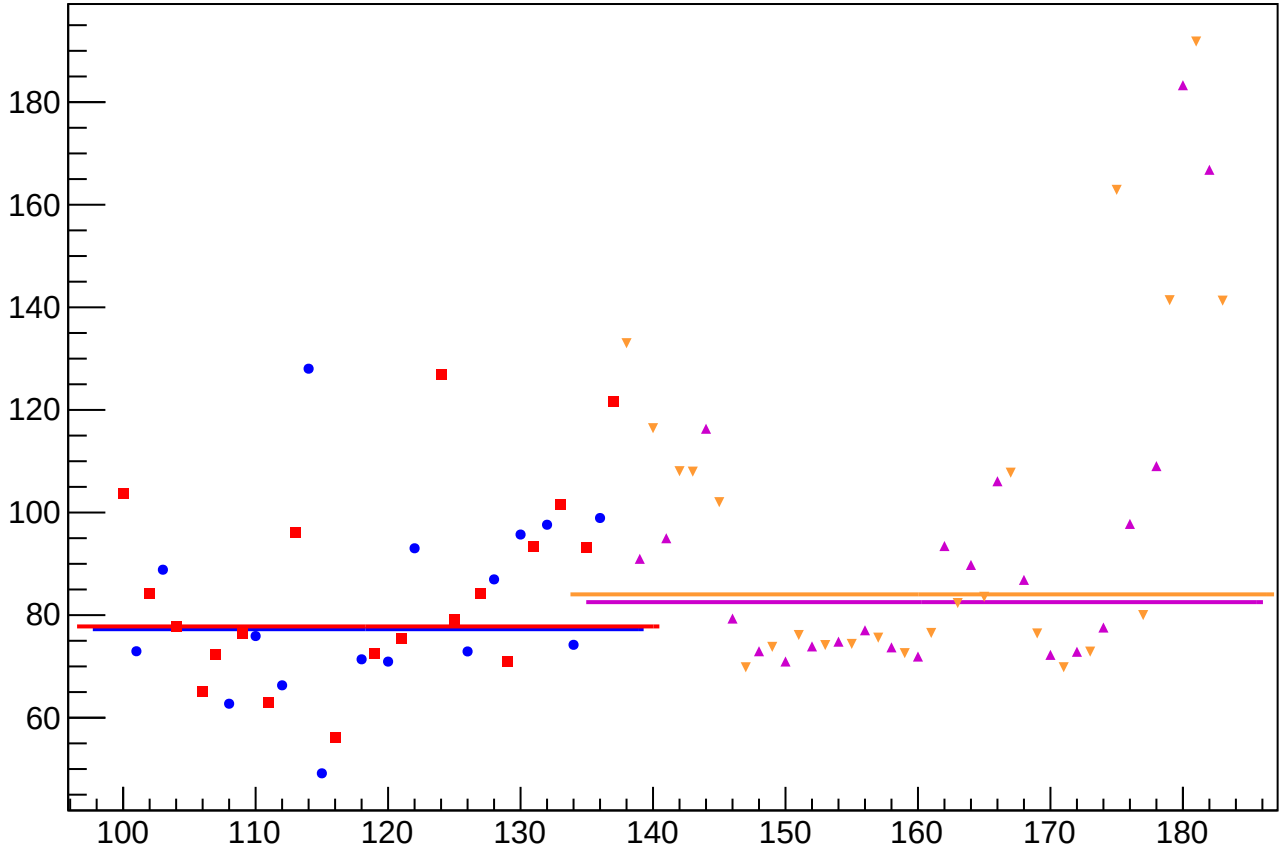
Left In: 0.027+/-0.021 χ^2/NDF:31.9/21

+ sign -0.001+/-0.017 χ^2/NDF: 44.7/39

All: 0.007+/-0.012 χ^2/NDF: 103.7/80

- sign 0.014+/-0.017 χ^2/NDF: 58.6/40

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128434.9/23

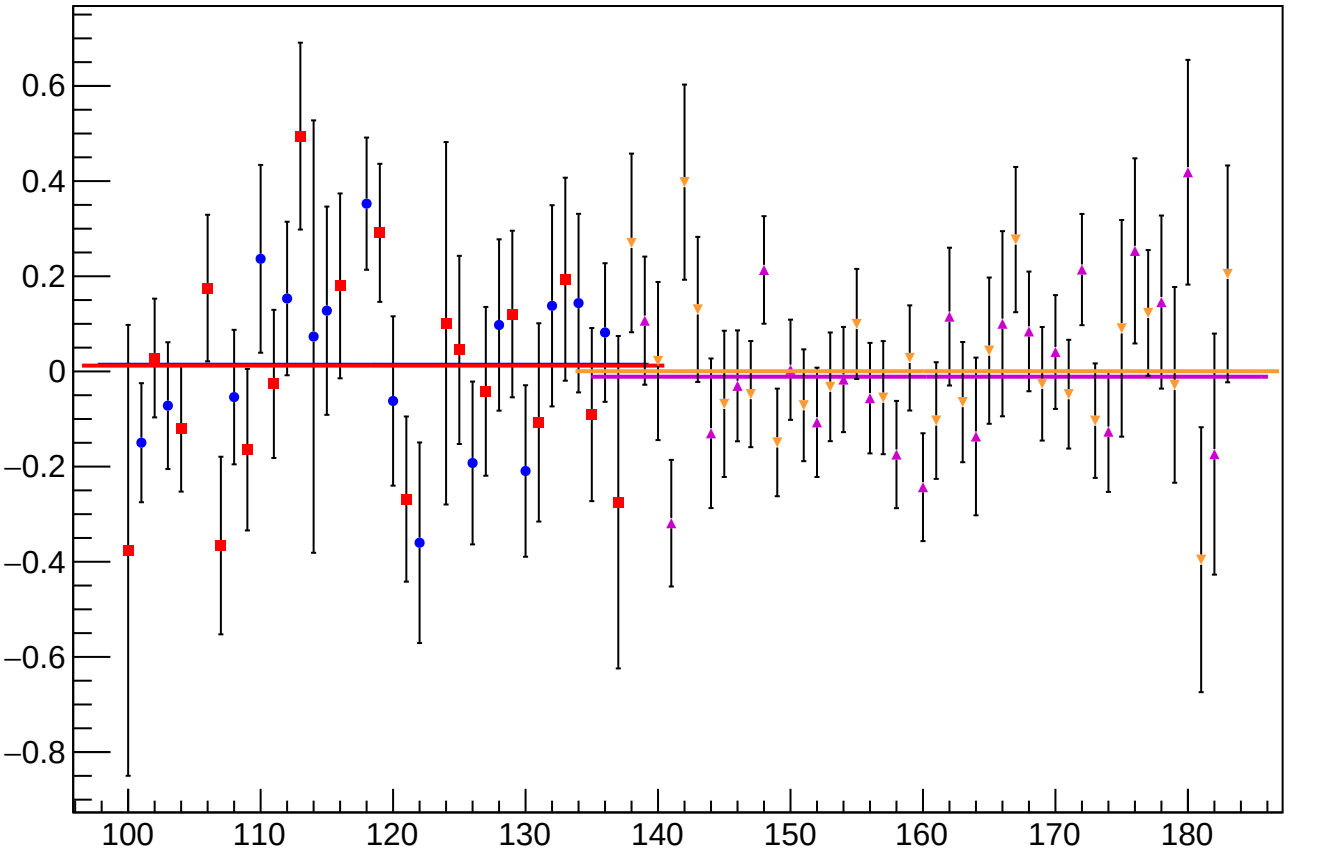
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.532+/-0.015 χ^2/NDF:1473730.5/21

+ sign 81.883+/-0.012 χ^2/NDF: 2617257.2/39

All: 81.438+/-0.008 χ^2/NDF: 4524499.1/80

- sign 80.994+/-0.012 χ^2/NDF: 1904493.0/40



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.028 χ^2/NDF:19.4/23

Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

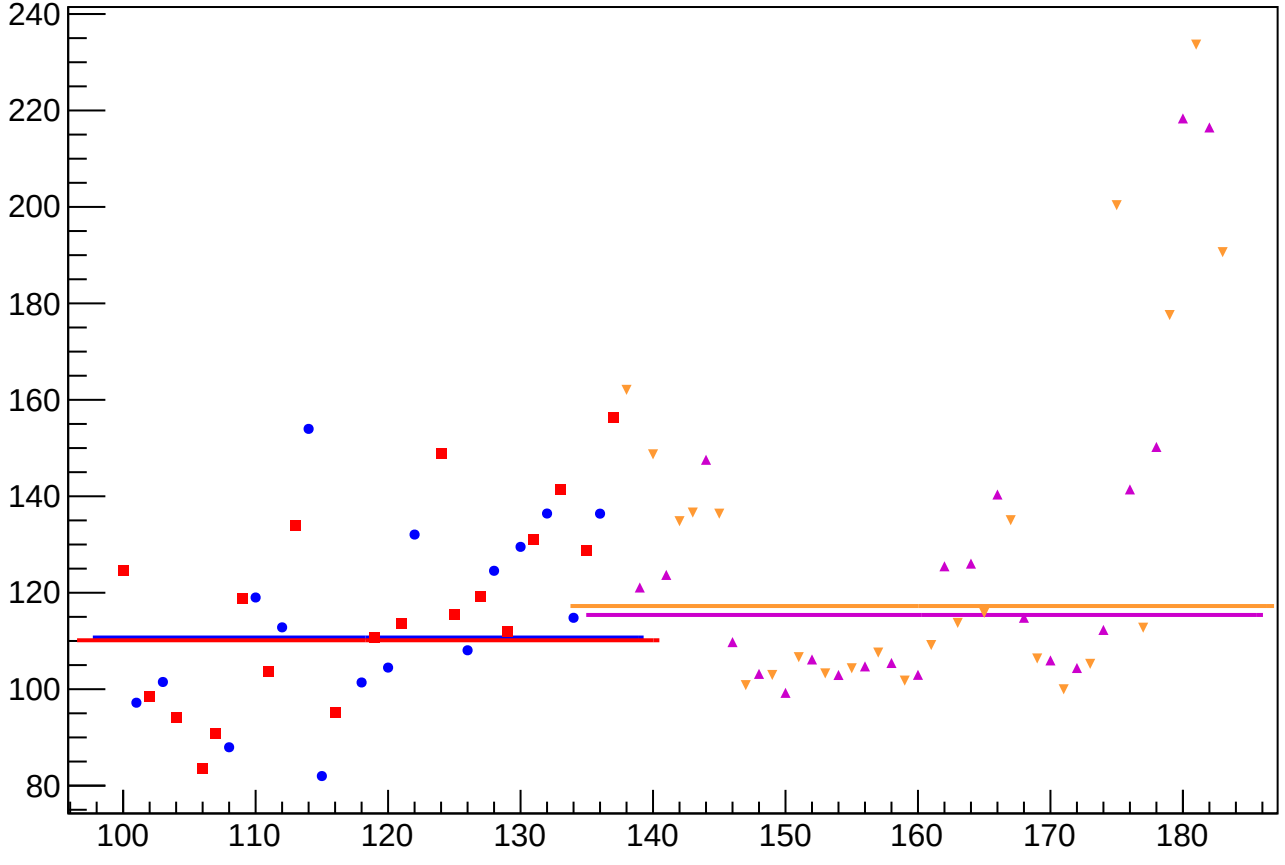
Left In: -0.011+/-0.028 χ^2/NDF:31.1/21

+ sign 0.005+/-0.023 χ^2/NDF: 37.6/39

All: 0.000+/-0.017 χ^2/NDF: 92.8/80

- sign -0.004+/-0.023 χ^2/NDF: 55.1/40

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 117.245+/-0.020 χ^2/NDF:1580030.0/23

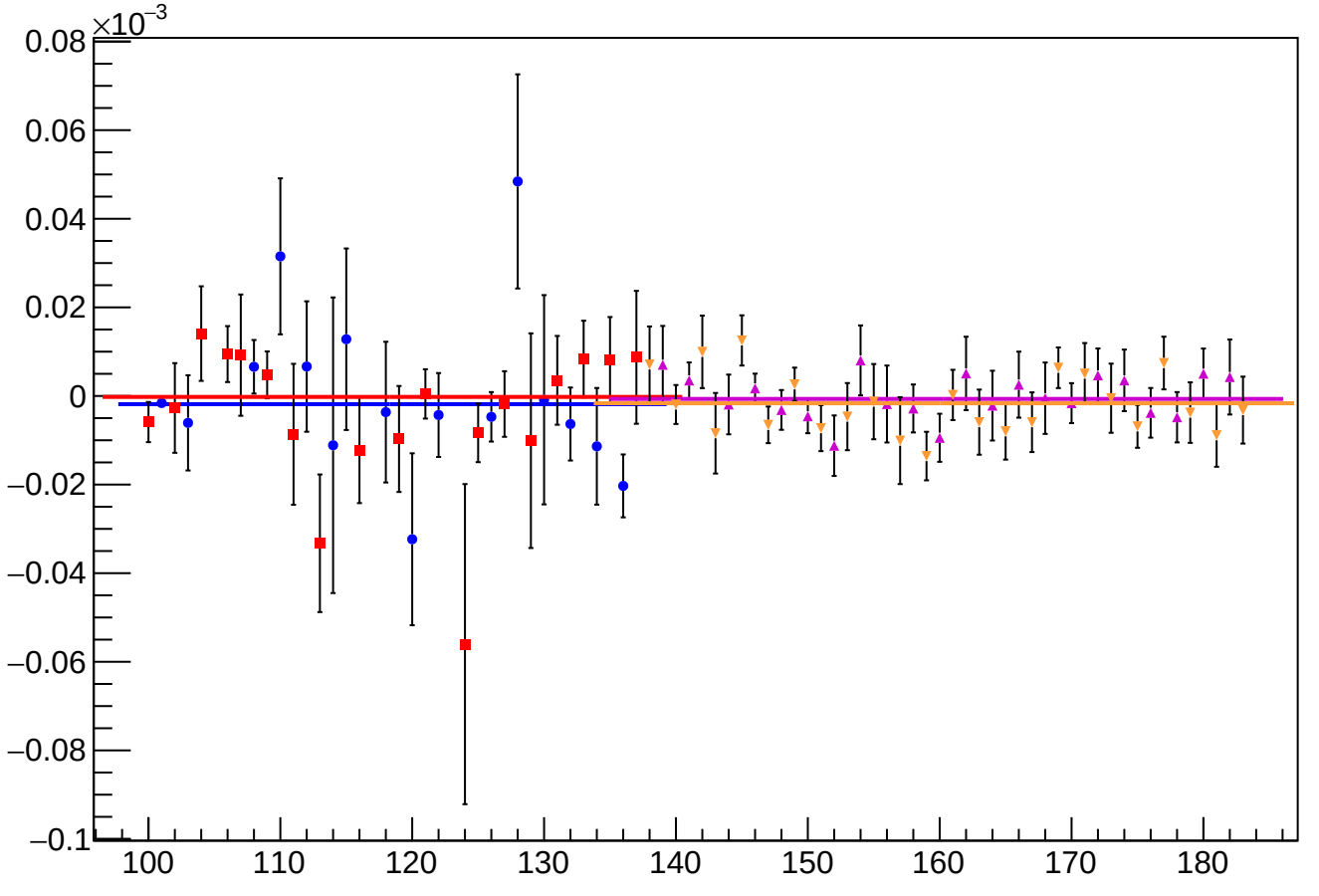
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 115.395+/-0.020 χ^2/NDF:1155136.4/21

+ sign 115.249+/-0.017 χ^2/NDF: 1913153.1/39

All: 114.484+/-0.012 χ^2/NDF: 3421304.0/80

- sign 113.721+/-0.016 χ^2/NDF: 1503868.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.8/23

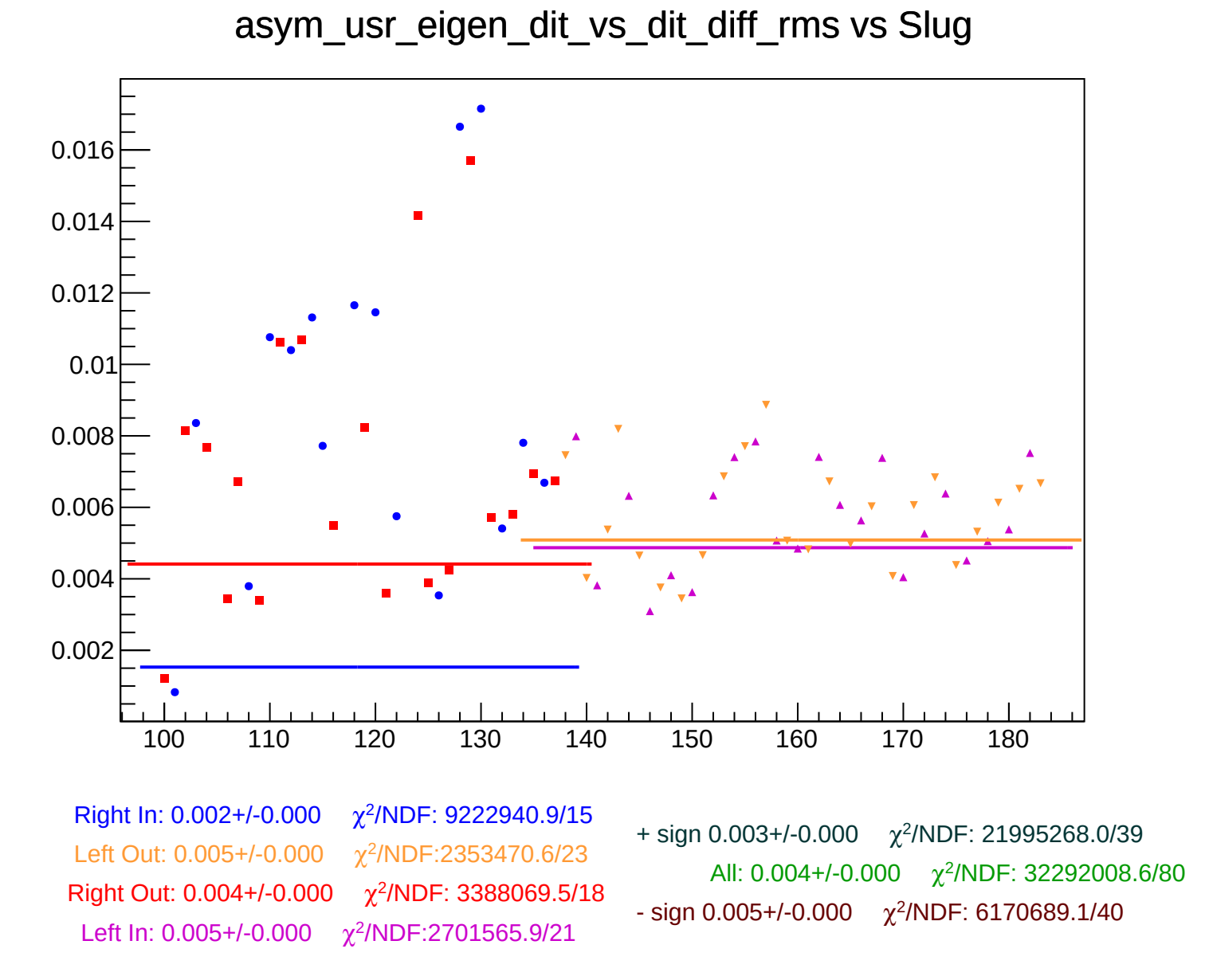
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

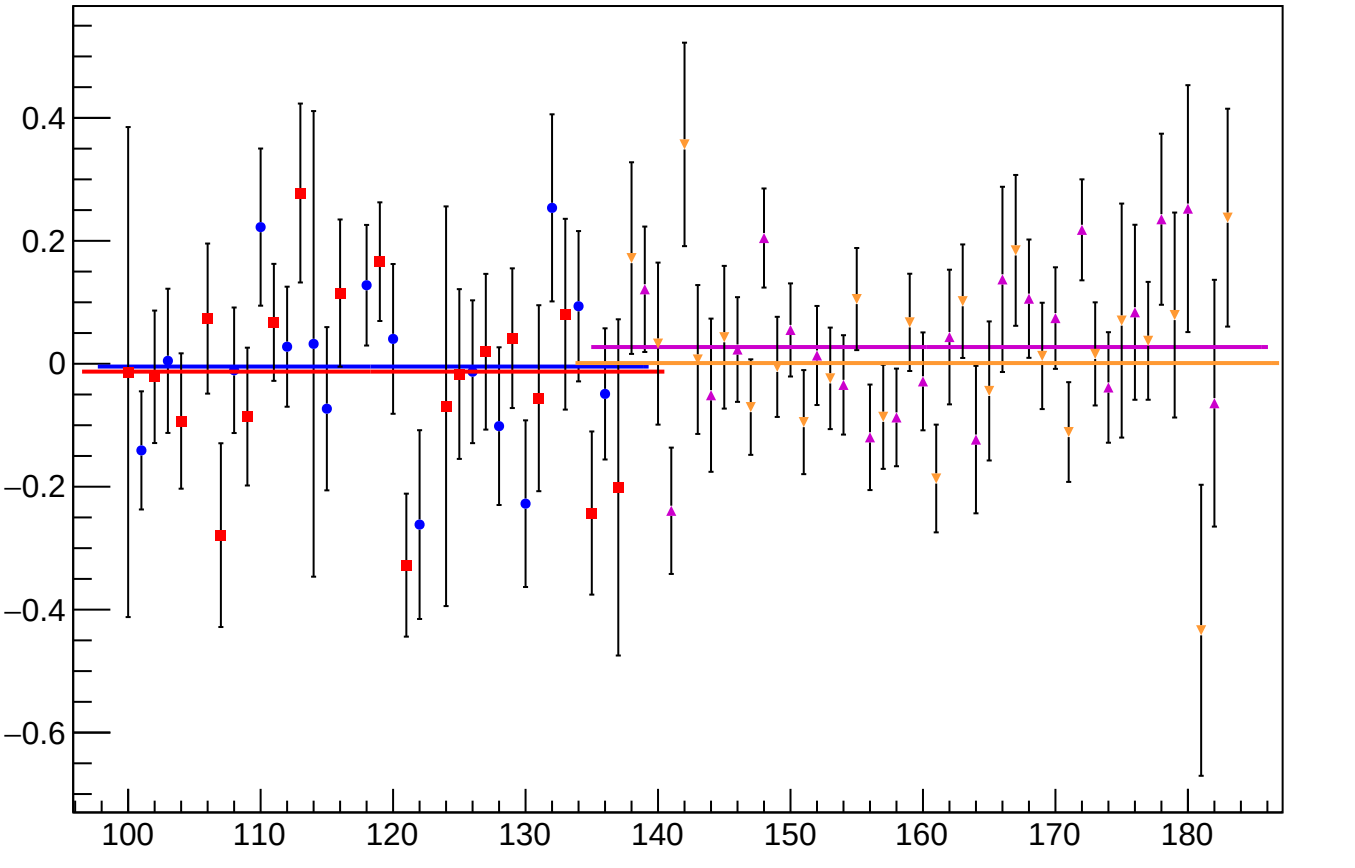
Left In: -0.000+/-0.000 χ^2/NDF:14.2/21

+ sign -0.000+/-0.000 χ^2/NDF: 51.2/39

All: -0.000+/-0.000 χ^2/NDF: 86.3/80

- sign -0.000+/-0.000 χ^2/NDF: 34.1/40


asym_usr_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 9222940.9/15
Left Out: 0.005+/-0.000 χ²/NDF:2353470.6/23
Right Out: 0.004+/-0.000 χ²/NDF: 3388069.5/18
Left In: 0.005+/-0.000 χ²/NDF:2701565.9/21
+ sign 0.003+/-0.000 χ²/NDF: 21995268.0/39
All: 0.004+/-0.000 χ²/NDF: 32292008.6/80
- sign 0.005+/-0.000 χ²/NDF: 6170689.1/40



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:27.4/23

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

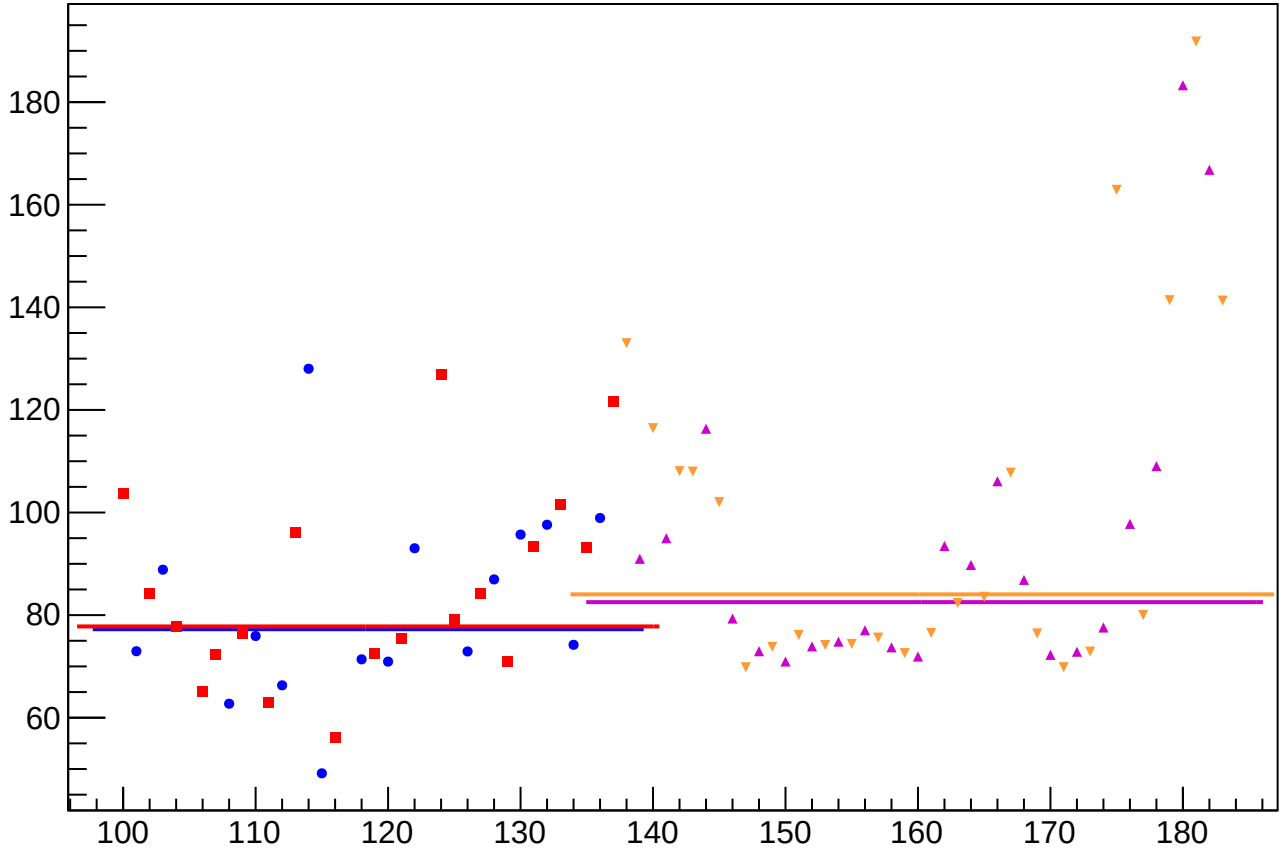
Left In: 0.027+/-0.021 χ^2/NDF:31.9/21

+ sign -0.001+/-0.017 χ^2/NDF: 44.7/39

All: 0.007+/-0.012 χ^2/NDF: 103.7/80

- sign 0.014+/-0.017 χ^2/NDF: 58.6/40

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128430.6/23

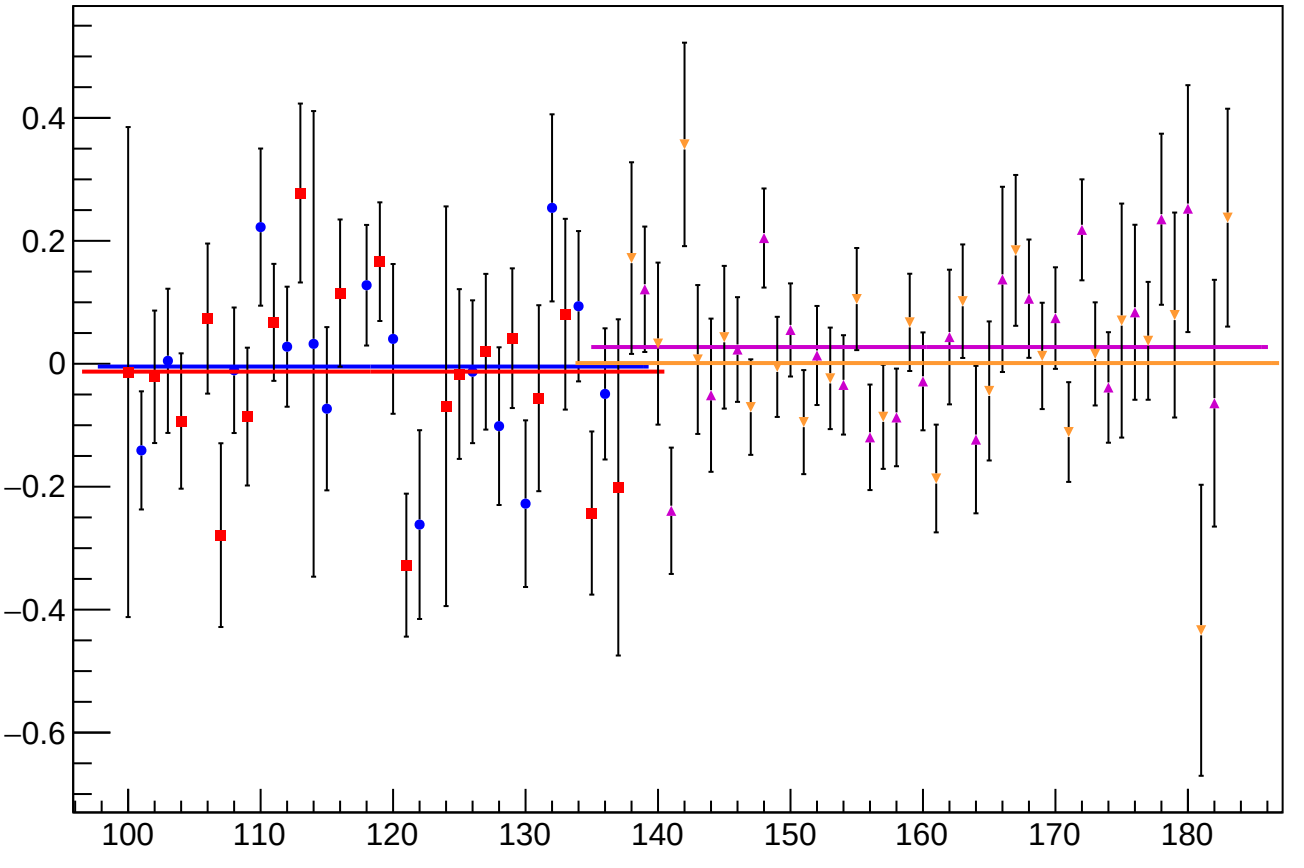
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.533+/-0.015 χ^2/NDF:1473712.1/21

+ sign 81.883+/-0.012 χ^2/NDF: 2617286.6/39

All: 81.438+/-0.008 χ^2/NDF: 4524538.4/80

- sign 80.994+/-0.012 χ^2/NDF: 1904502.3/40



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:27.4/23

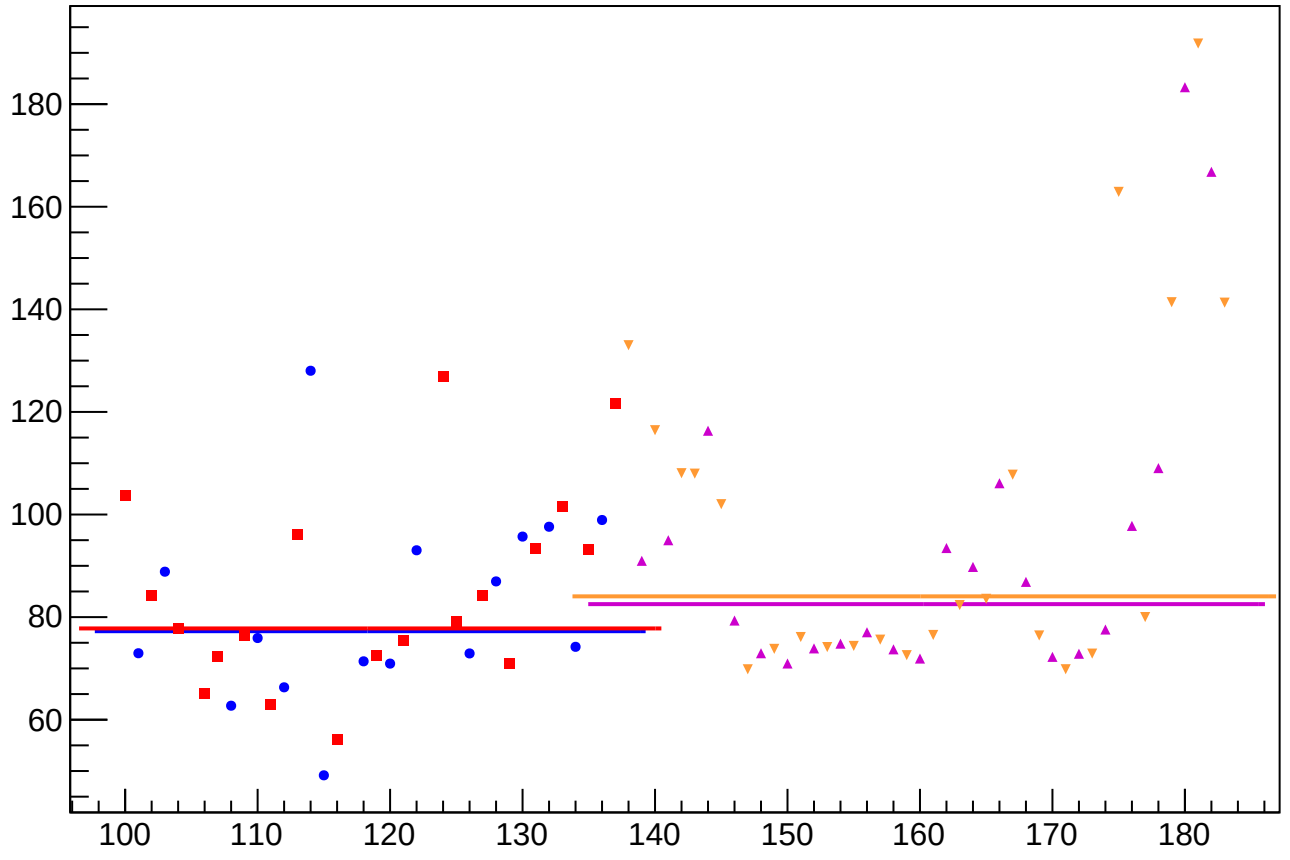
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.027+/-0.021 χ^2/NDF:31.9/21

+ sign -0.001+/-0.017 χ^2/NDF: 44.7/39

All: 0.007+/-0.012 χ^2/NDF: 103.7/80

- sign 0.014+/-0.017 χ^2/NDF: 58.6/40



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128430.6/23

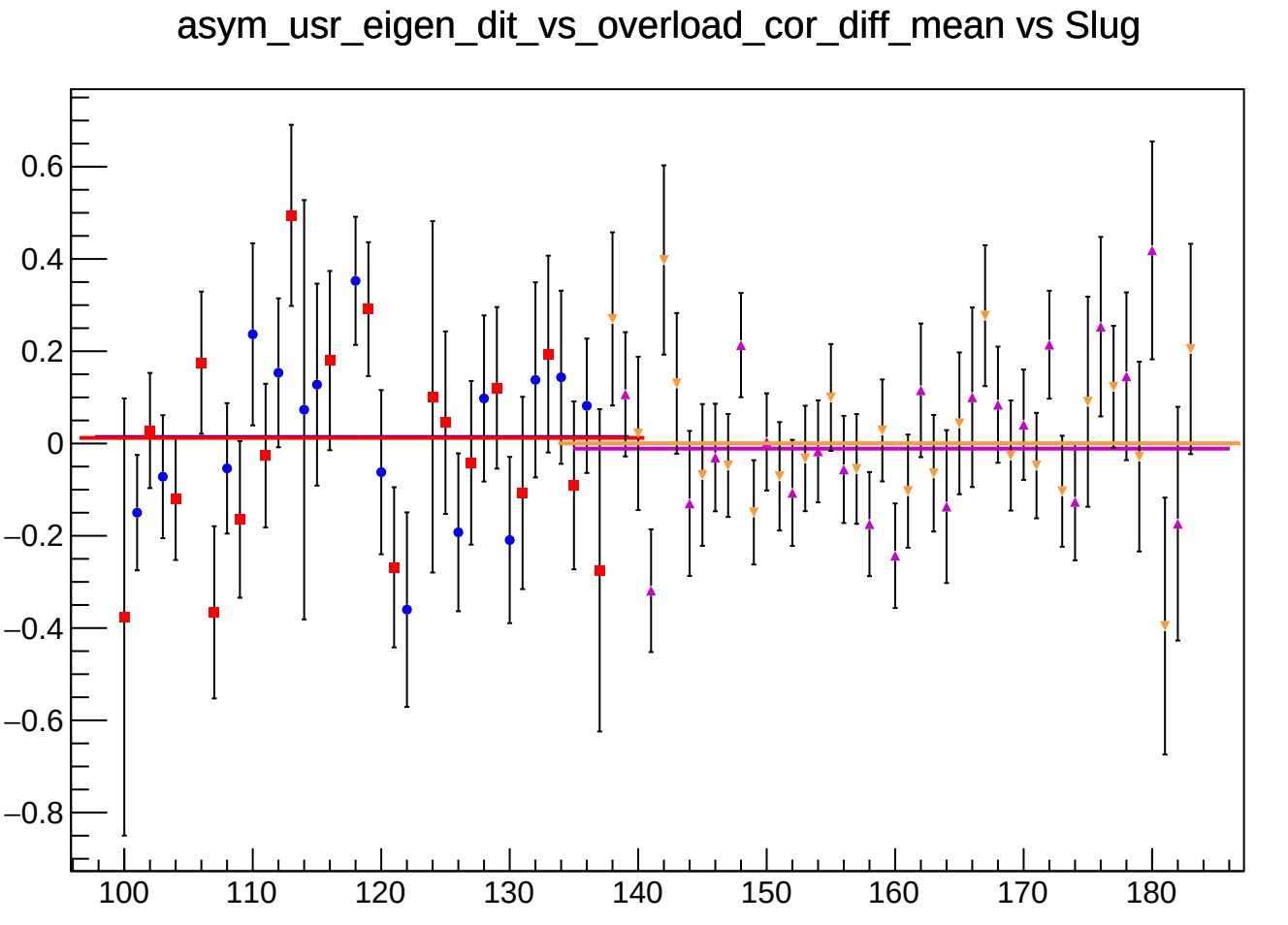
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.533+/-0.015 χ^2/NDF:1473712.1/21

+ sign 81.883+/-0.012 χ^2/NDF: 2617286.6/39

All: 81.438+/-0.008 χ^2/NDF: 4524538.4/80

- sign 80.994+/-0.012 χ^2/NDF: 1904502.3/40



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.028 χ^2/NDF:19.4/23

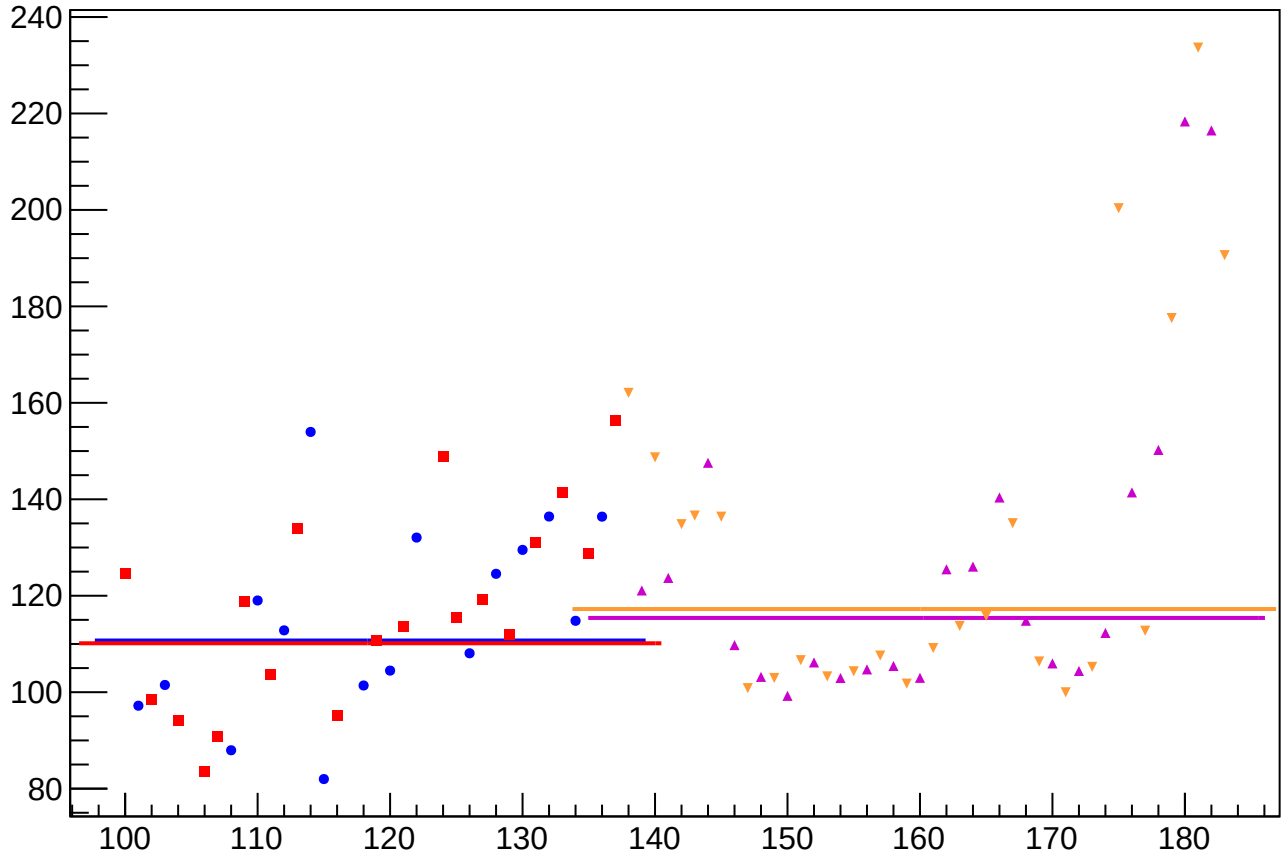
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.011+/-0.028 χ^2/NDF:31.1/21

+ sign 0.005+/-0.023 χ^2/NDF: 37.6/39

All: 0.000+/-0.017 χ^2/NDF: 92.8/80

- sign -0.004+/-0.023 χ^2/NDF: 55.1/40



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 117.246+/-0.020 χ^2/NDF:1580024.3/23

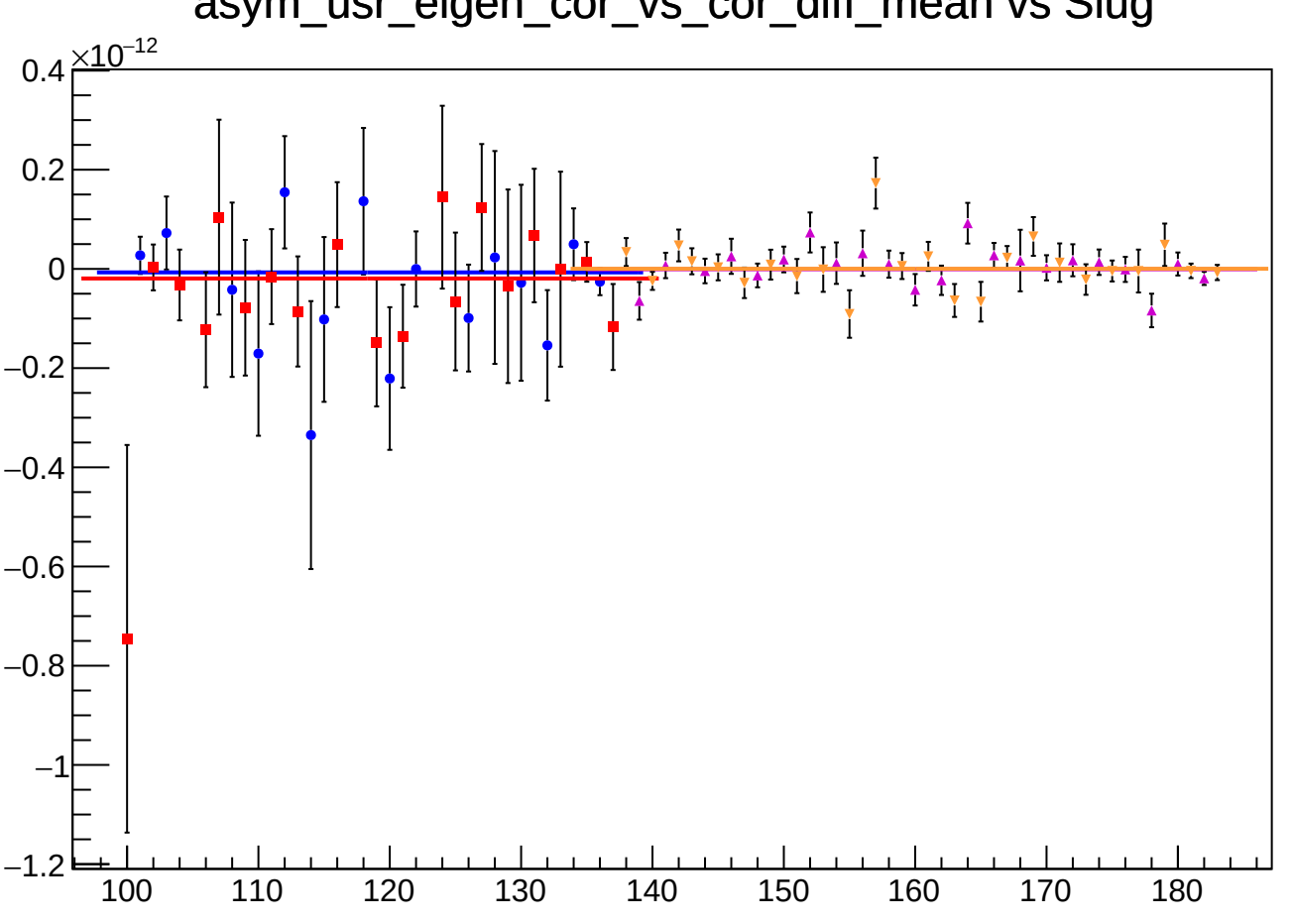
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 115.396+/-0.020 χ^2/NDF:1155128.0/21

+ sign 115.249+/-0.017 χ^2/NDF: 1913137.2/39

All: 114.484+/-0.012 χ^2/NDF: 3421260.1/80

- sign 113.721+/-0.016 χ^2/NDF: 1503840.2/40



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

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

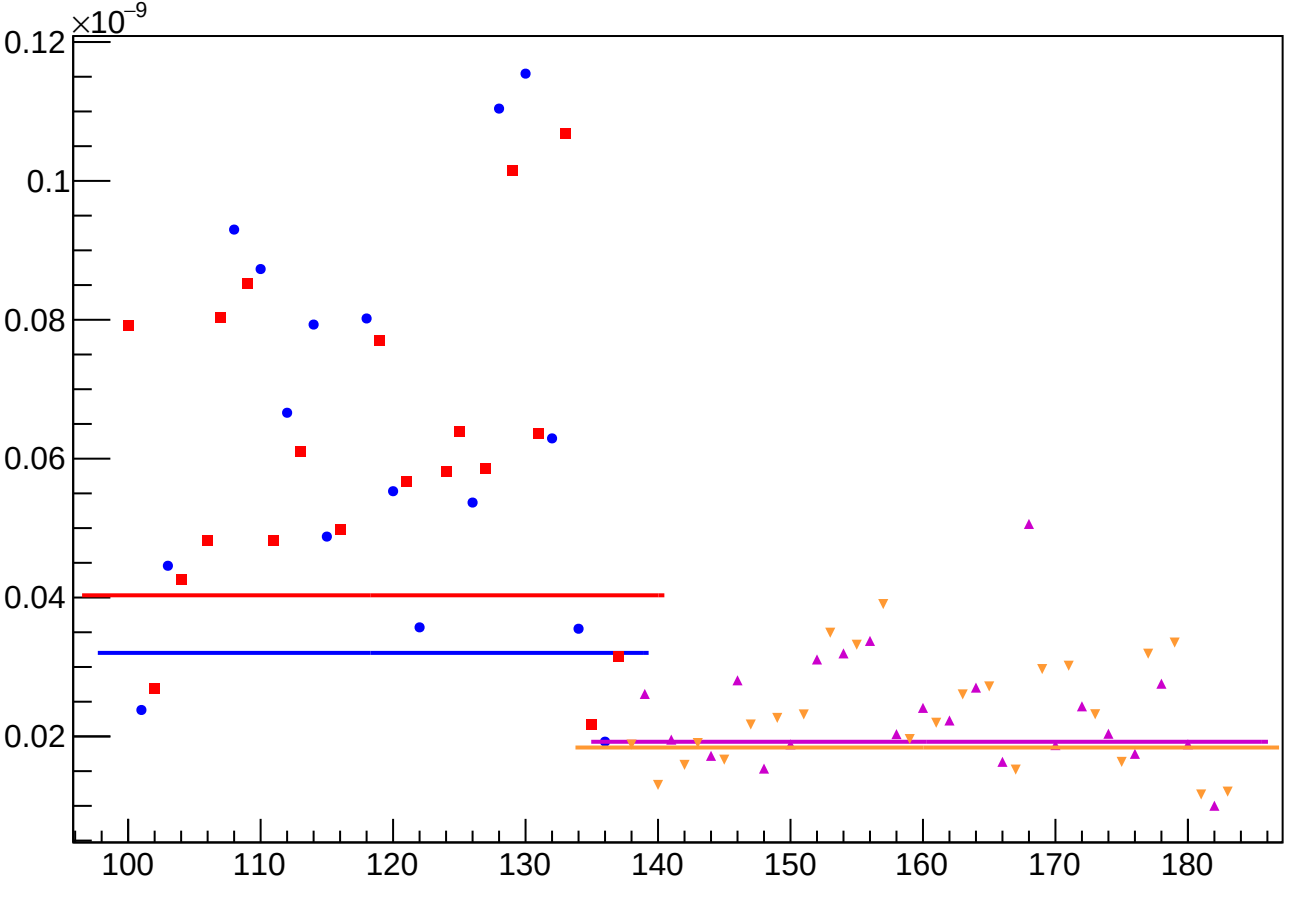
Left In: -0.000+/-0.000 χ^2/NDF:25.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/39

All: -0.000+/-0.000 χ^2/NDF: 88.0/80

- sign -0.000+/-0.000 χ^2/NDF: 39.2/40

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2995215.3/23

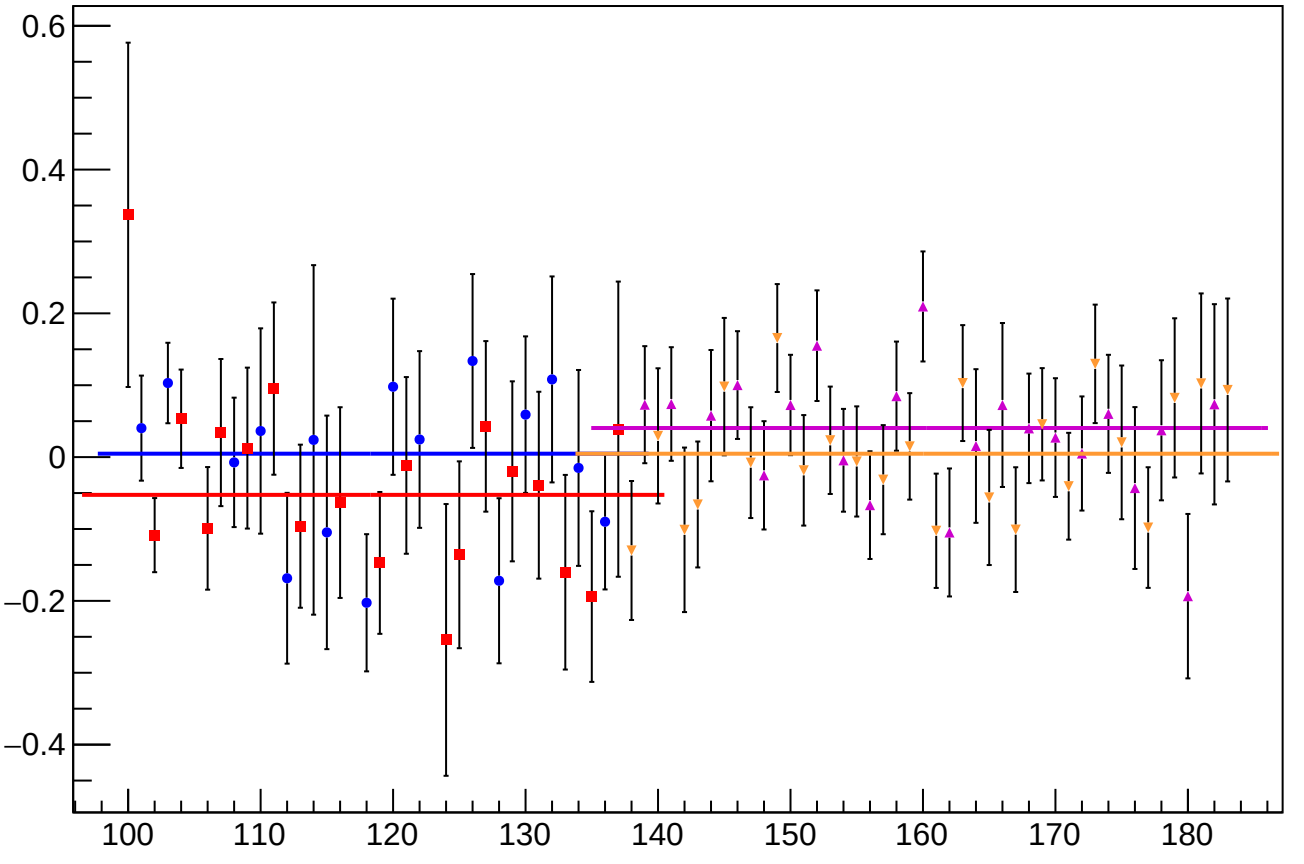
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2631492.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 6511817.5/39

All: 0.000+/-0.000 χ^2/NDF: 12907801.2/80

- sign 0.000+/-0.000 χ^2/NDF: 6351426.0/40



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.018 χ^2/NDF:20.8/23

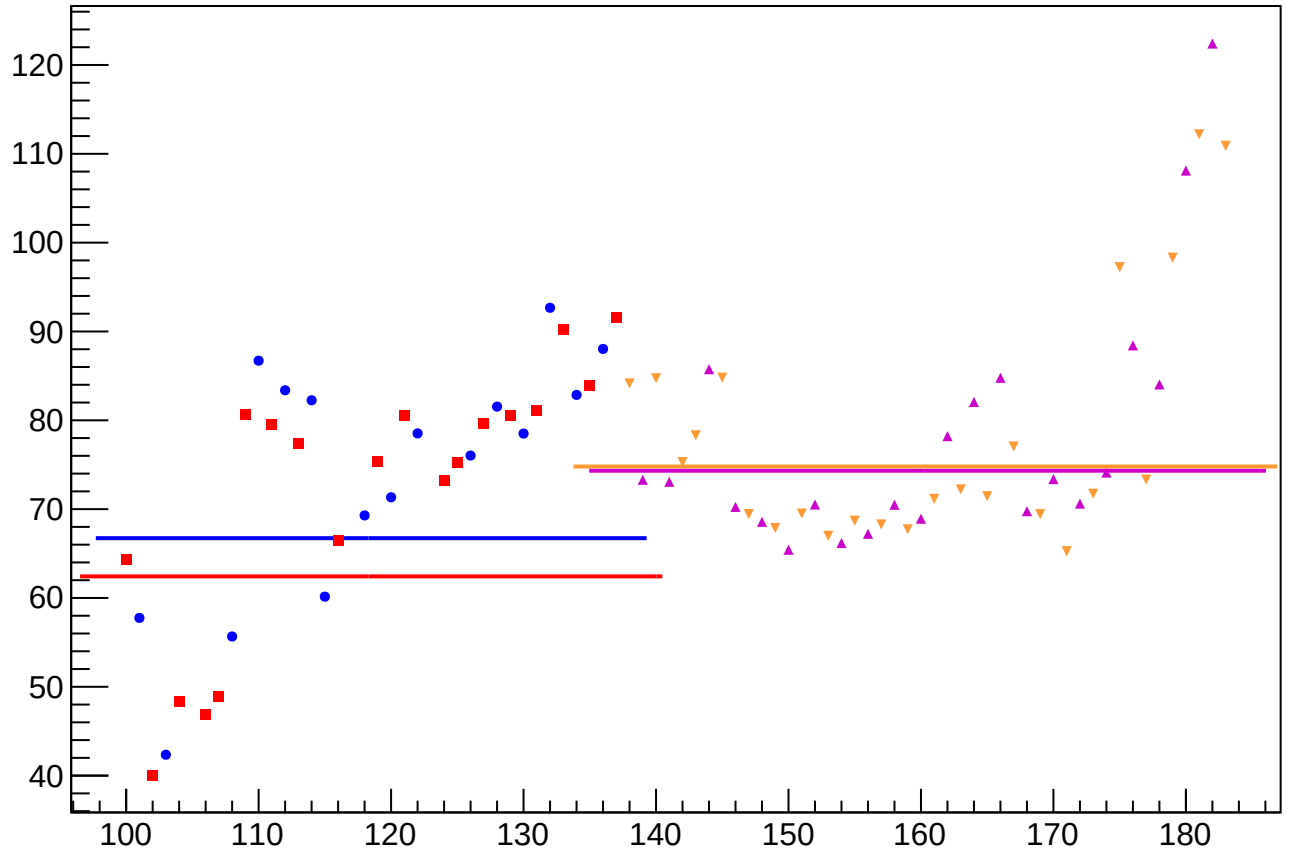
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.040+/-0.018 χ^2/NDF:19.7/21

+ sign 0.005+/-0.015 χ^2/NDF: 37.4/39

All: 0.006+/-0.010 χ^2/NDF: 81.5/80

- sign 0.007+/-0.014 χ^2/NDF: 44.1/40



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.801+/-0.012 χ^2/NDF:743222.7/23

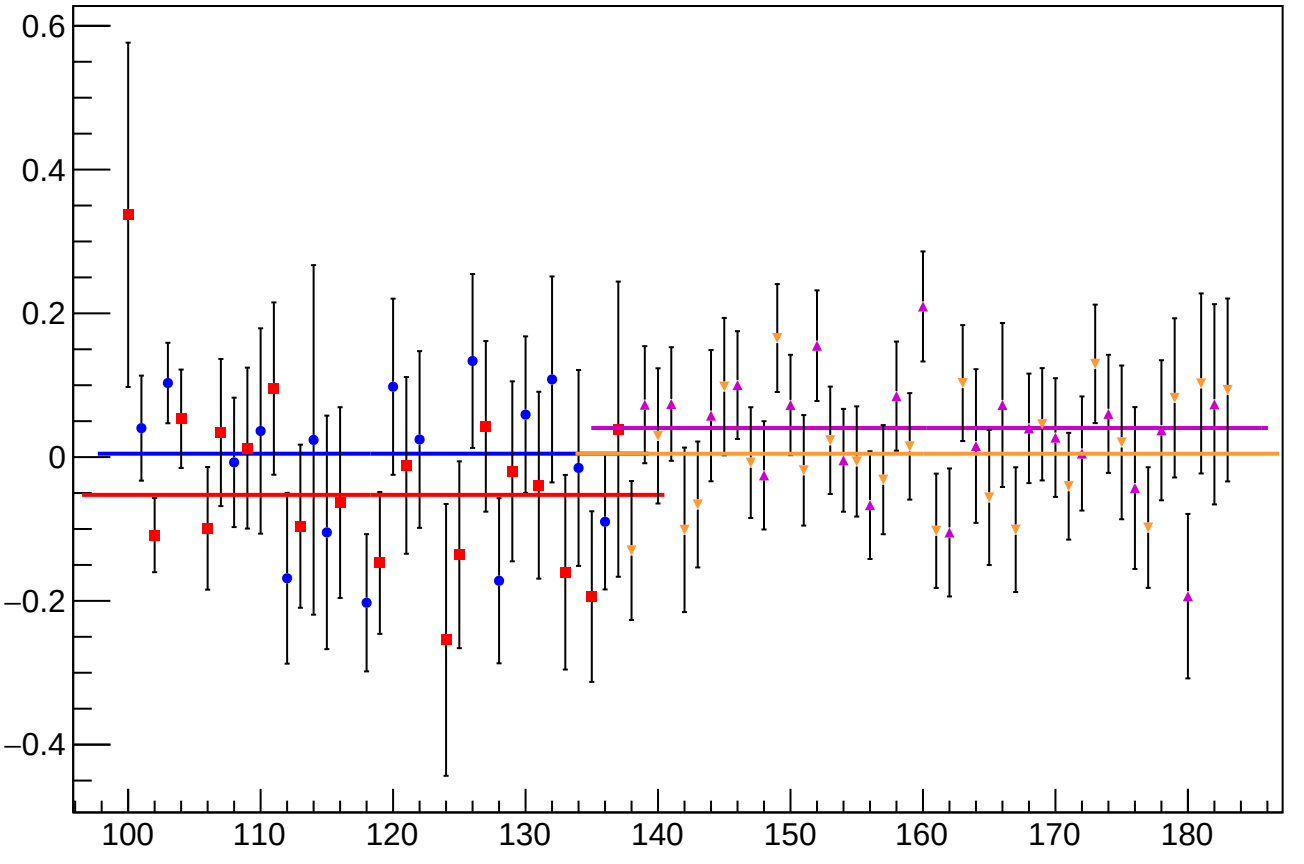
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.326+/-0.013 χ^2/NDF:652986.8/21

+ sign 72.260+/-0.010 χ^2/NDF: 1692954.3/39

All: 71.159+/-0.007 χ^2/NDF: 3796463.8/80

- sign 70.080+/-0.010 χ^2/NDF: 2080785.5/40



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.018 χ^2/NDF:20.8/23

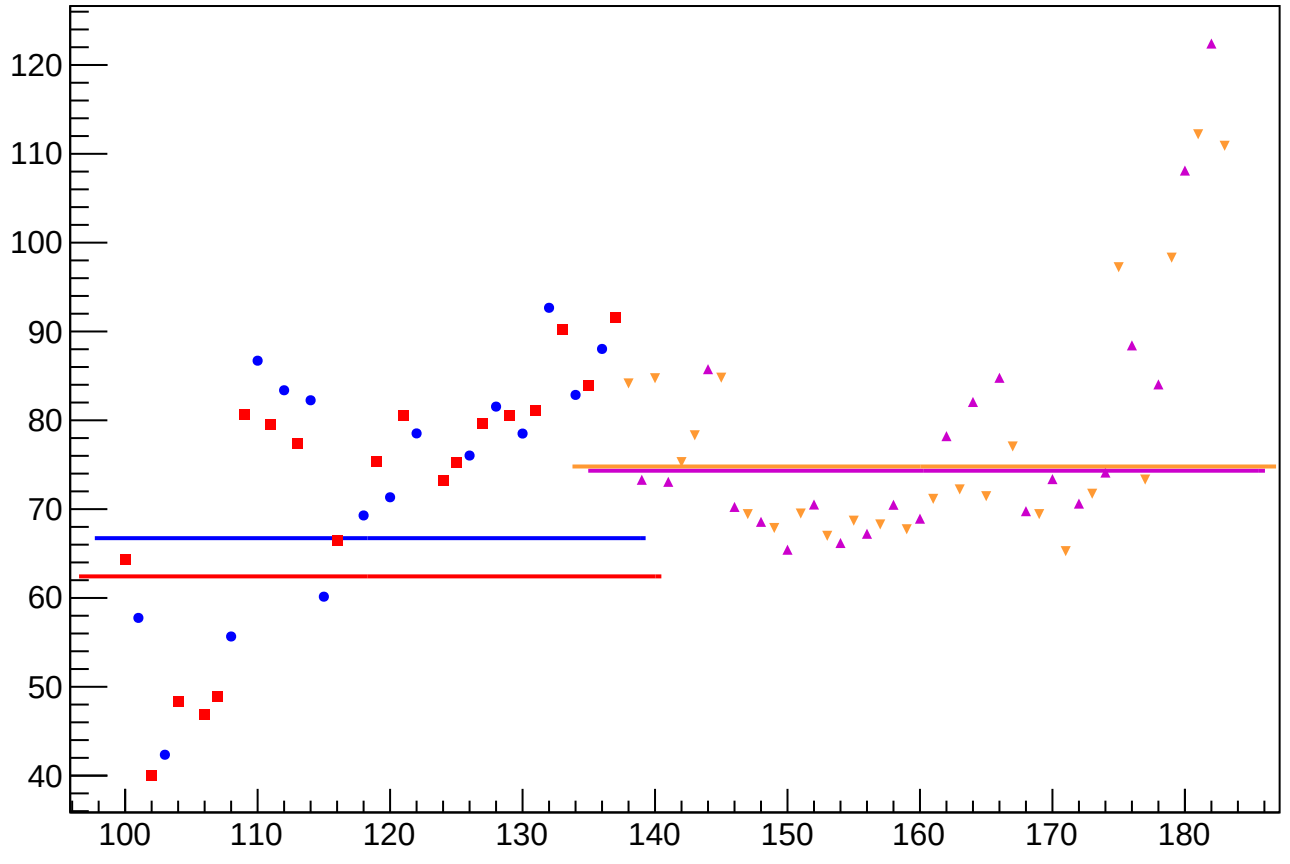
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.040+/-0.018 χ^2/NDF:19.7/21

+ sign 0.005+/-0.015 χ^2/NDF: 37.4/39

All: 0.006+/-0.010 χ^2/NDF: 81.5/80

- sign 0.007+/-0.014 χ^2/NDF: 44.1/40



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.801+/-0.012 χ^2/NDF:743222.7/23

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

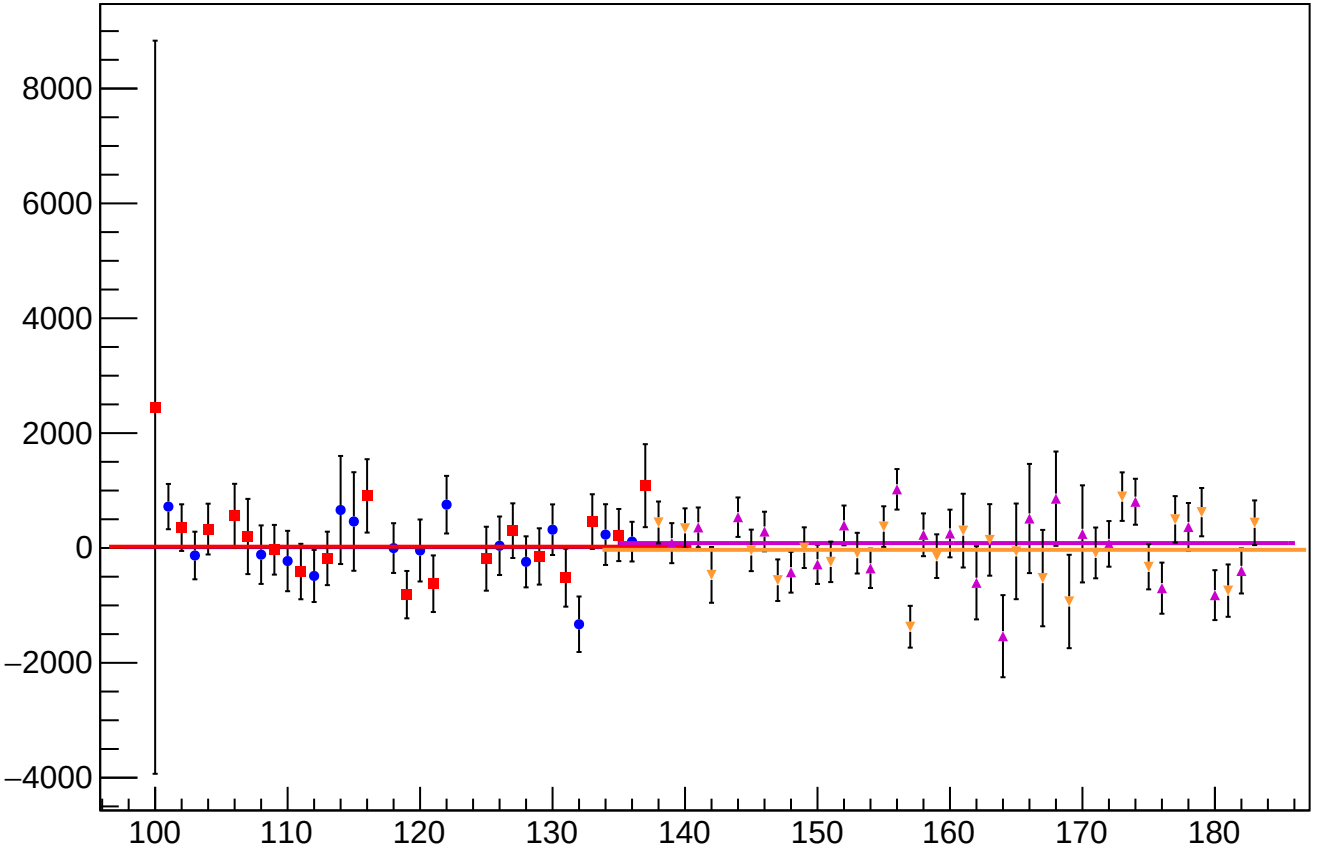
Left In: 74.326+/-0.013 χ^2/NDF:652986.8/21

+ sign 72.260+/-0.010 χ^2/NDF: 1692954.3/39

All: 71.159+/-0.007 χ^2/NDF: 3796463.8/80

- sign 70.080+/-0.010 χ^2/NDF: 2080785.5/40

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -32.112+/-87.201 χ^2/NDF:36.5/22

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

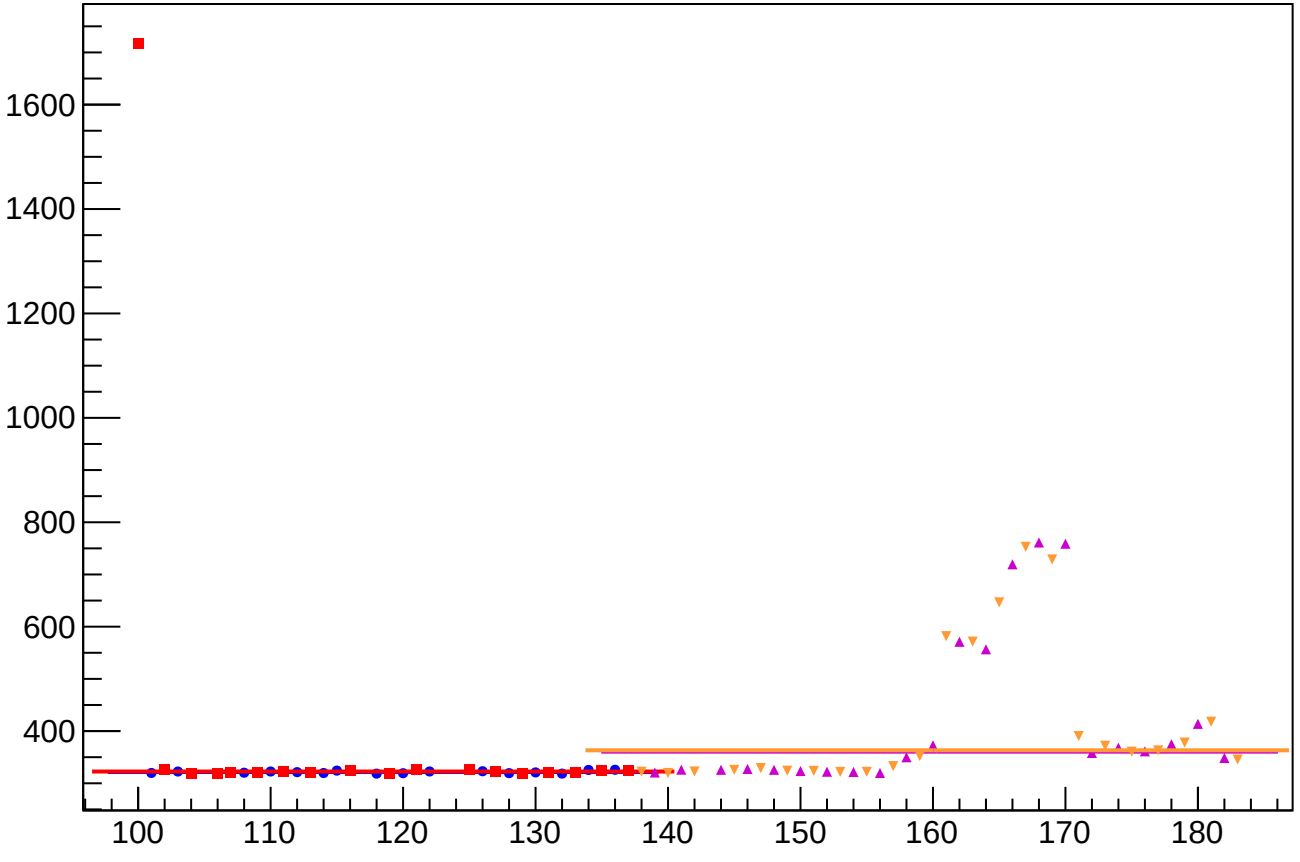
Left In: 85.328+/-87.238 χ^2/NDF:35.8/21

+ sign -15.550+/-70.427 χ^2/NDF: 53.1/38

All: 23.886+/-49.790 χ^2/NDF: 105.7/78

- sign 63.292+/-70.401 χ^2/NDF: 52.0/39

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 363.193+/-0.062 χ^2/NDF:1795347.9/22

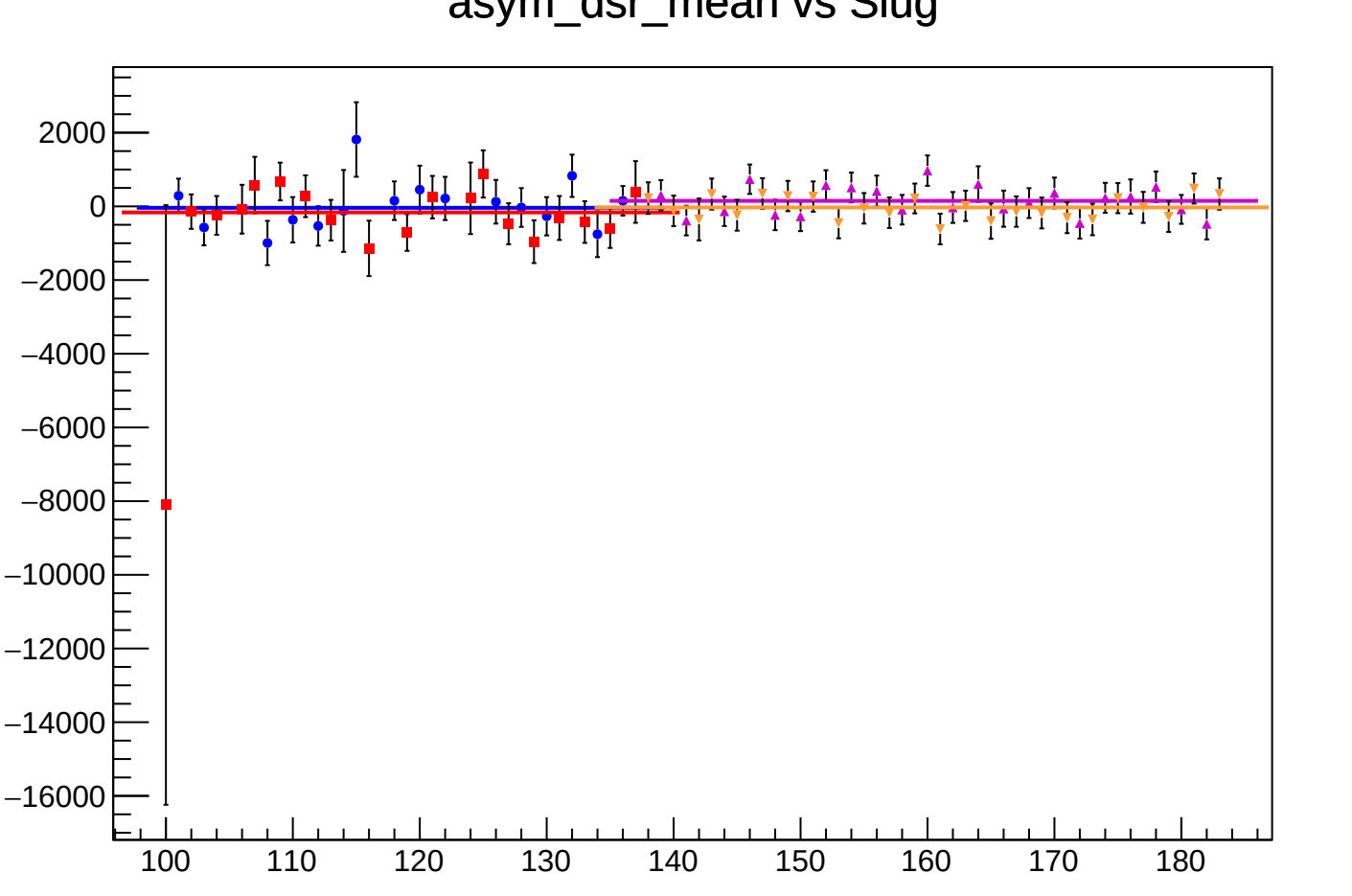
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 360.637+/-0.062 χ^2/NDF:1817650.4/21

+ sign 348.731+/-0.050 χ^2/NDF: 1954361.0/38

All: 348.043+/-0.035 χ^2/NDF: 4002218.1/78

- sign 347.355+/-0.050 χ^2/NDF: 2047475.1/39



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -28.609+/-86.193 χ^2/NDF:12.0/23

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

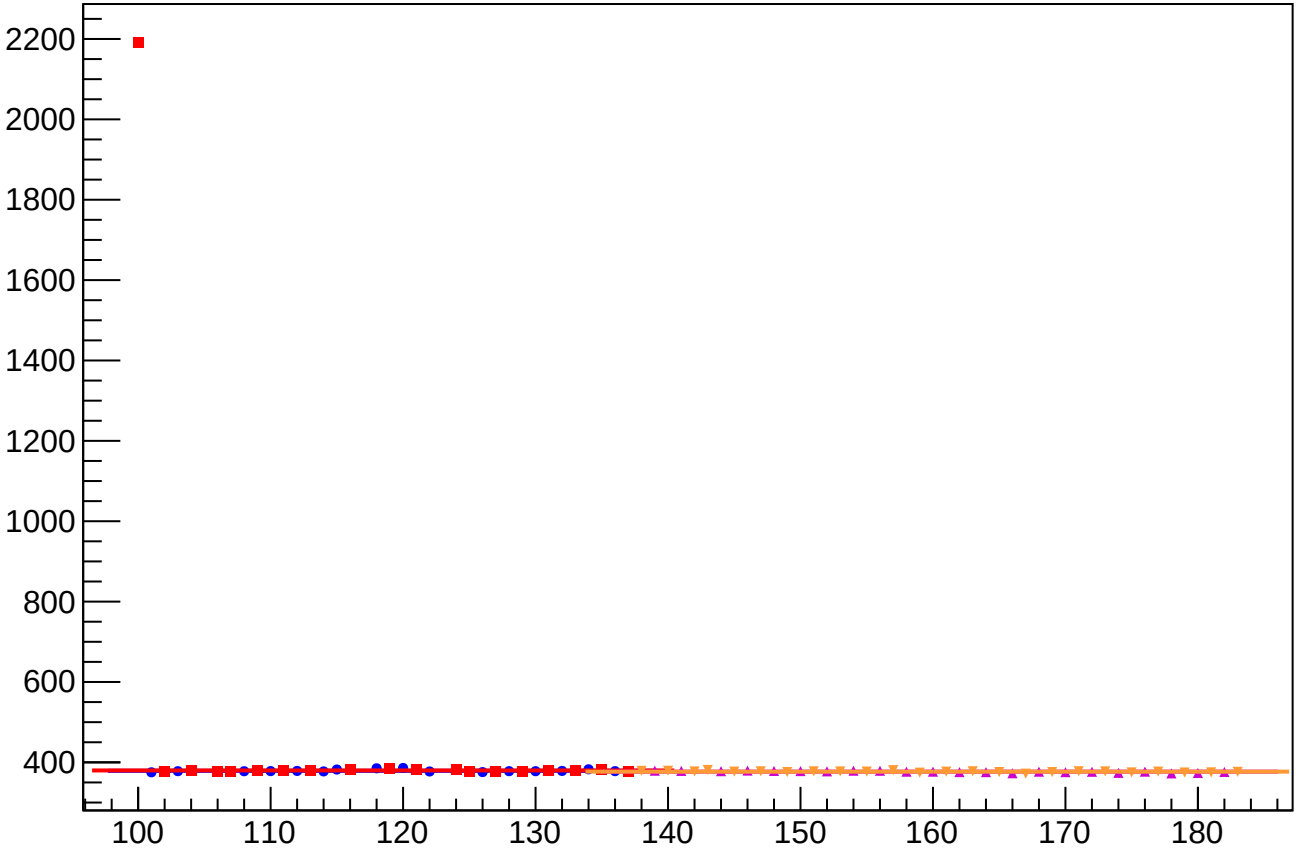
Left In: 149.313+/-88.714 χ^2/NDF:20.3/21

+ sign -31.420+/-73.501 χ^2/NDF: 25.8/39

All: 12.722+/-52.418 χ^2/NDF: 65.5/80

- sign 58.408+/-74.776 χ^2/NDF: 39.0/40

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 376.882+/-0.061 χ^2/NDF:1047.2/23

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

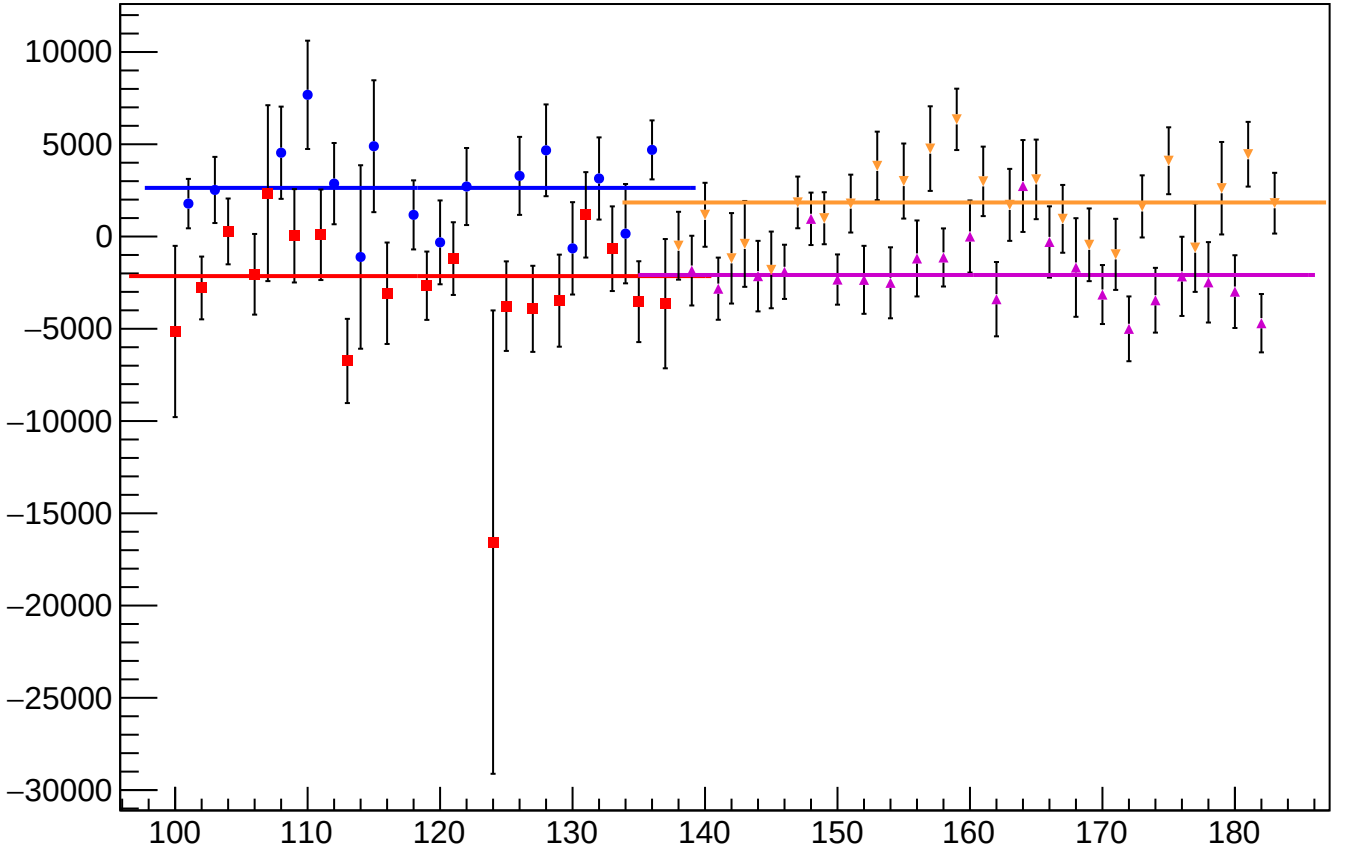
Left In: 376.846+/-0.063 χ^2/NDF:1074.1/21

+ sign 377.436+/-0.052 χ^2/NDF: 2200.3/39

All: 377.577+/-0.037 χ^2/NDF: 103587.2/80

- sign 377.724+/-0.053 χ^2/NDF: 101371.7/40

asym_us_agg_avg_mean vs Slug



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

Left Out: 1845.169+/-378.460 χ^2/NDF:27.5/23

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

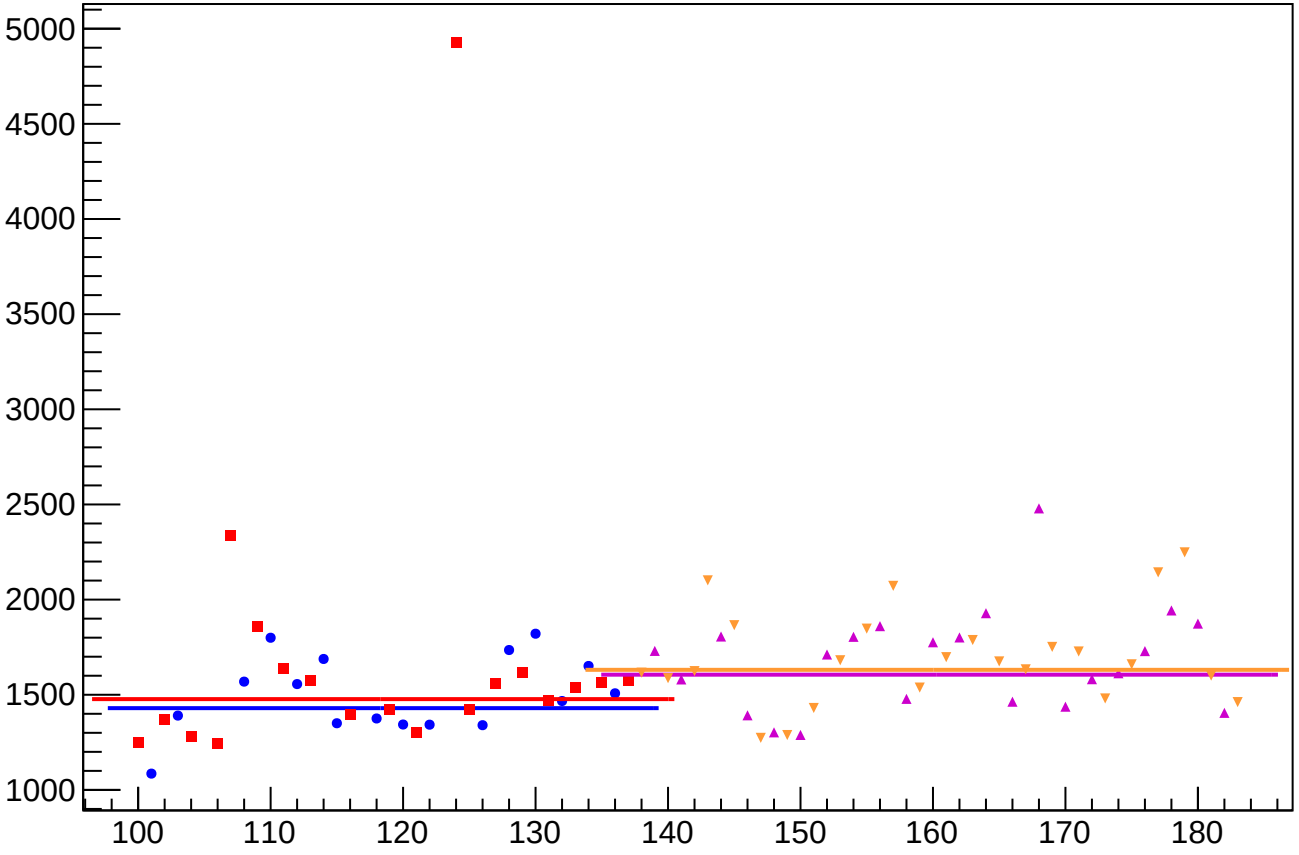
Left In: -2084.600+/-383.162 χ^2/NDF:18.4/21

+ sign 2106.741+/-309.549 χ^2/NDF: 41.2/39

All: 30.056+/-220.379 χ^2/NDF: 165.9/80

- sign -2104.342+/-313.821 χ^2/NDF: 33.5/40

asym_us_agg_avg_rms vs Slug



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

Left Out: 1631.022+/-0.268 χ^2/NDF:773681.7/23

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

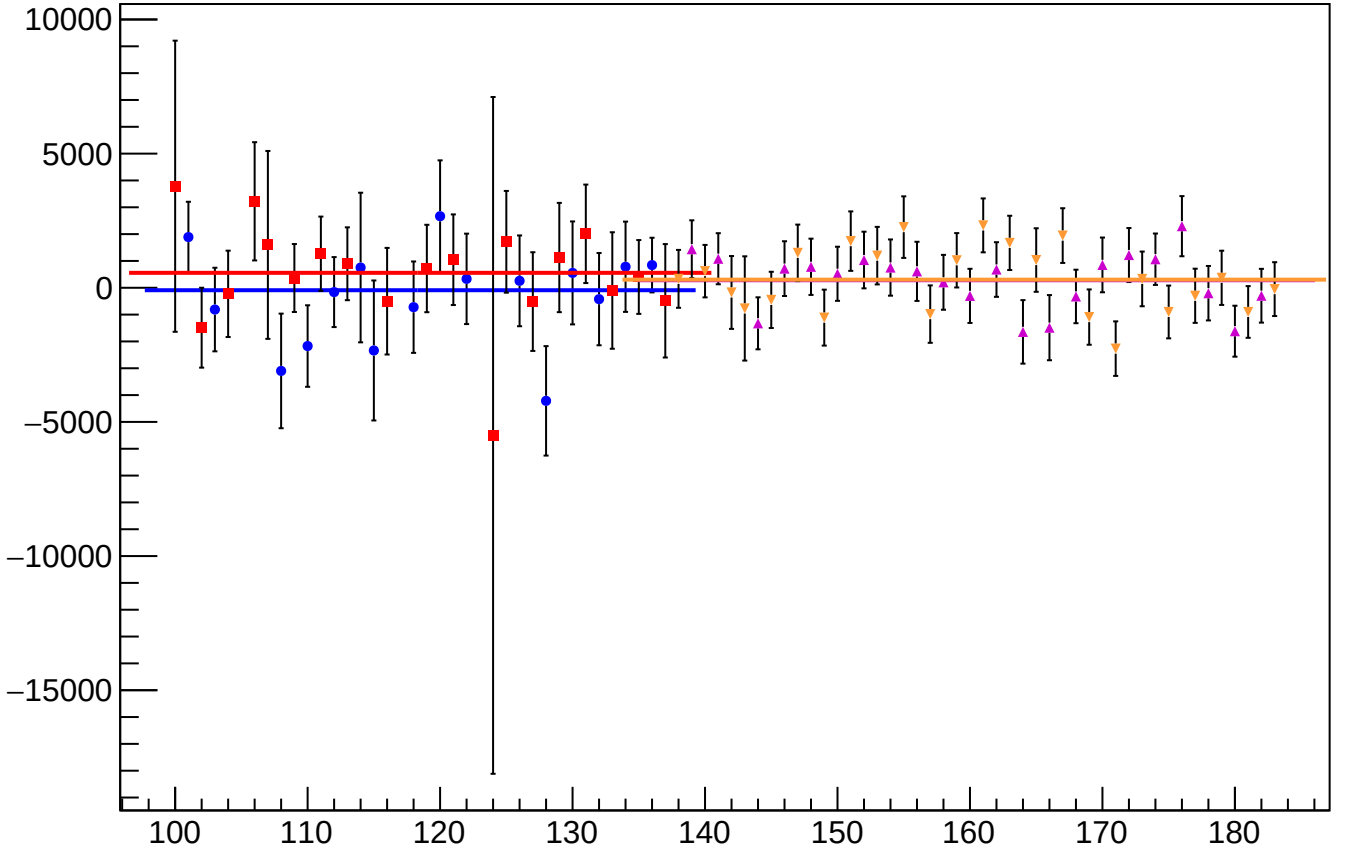
Left In: 1605.577+/-0.271 χ^2/NDF:783094.0/21

+ sign 1564.367+/-0.219 χ^2/NDF: 1254488.1/39

All: 1563.837+/-0.156 χ^2/NDF: 2481017.4/80

- sign 1563.292+/-0.222 χ^2/NDF: 1226517.5/40

asym_us_agg_dd_mean vs Slug



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

Left Out: 302.419+/-216.612 χ^2/NDF:31.7/23

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

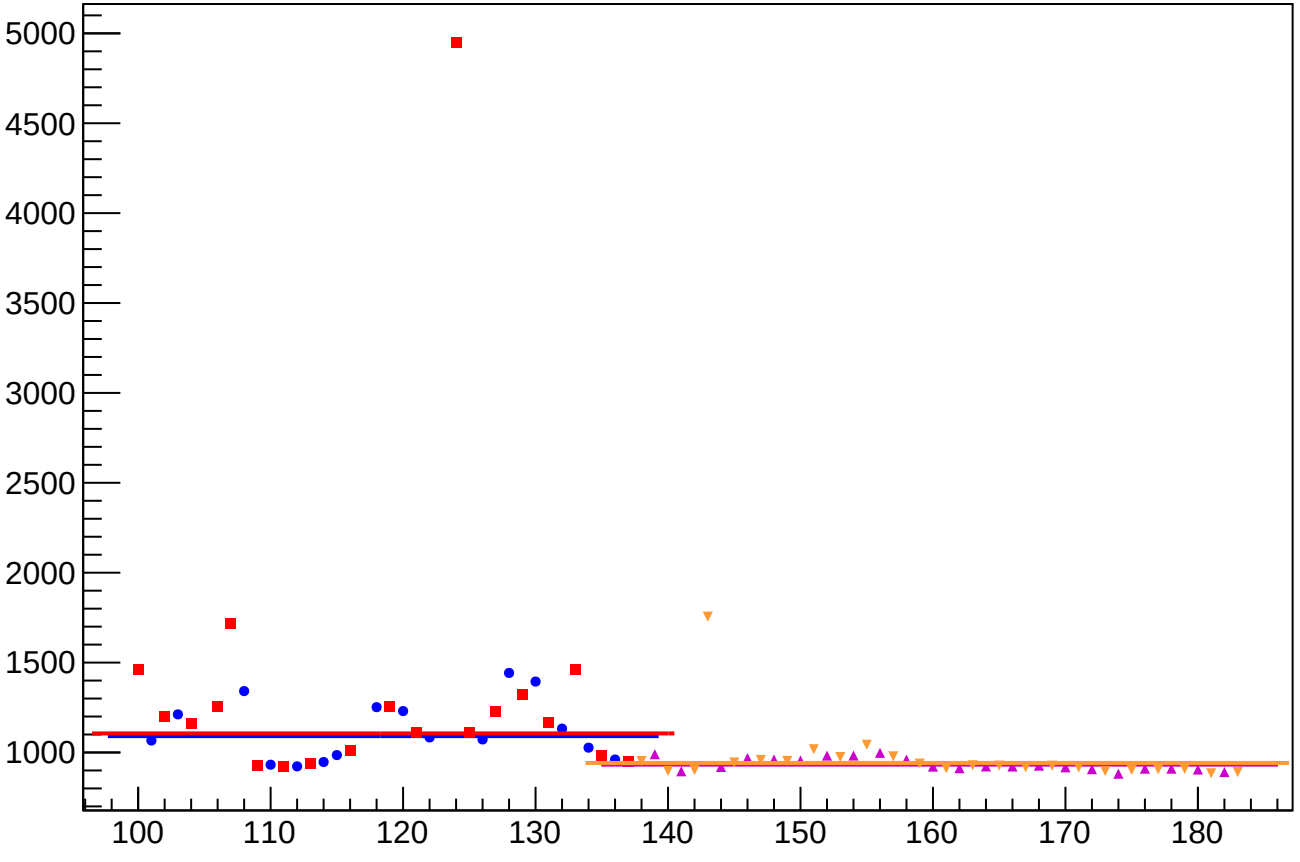
Left In: 280.941+/-219.660 χ^2/NDF:21.1/21

+ sign 216.488+/-191.521 χ^2/NDF: 46.9/39

All: 278.592+/-136.212 χ^2/NDF: 75.4/80

- sign 342.159+/-193.764 χ^2/NDF: 28.2/40

asym_us_agg_dd_rms vs Slug



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

Left Out: 941.820+/-0.153 χ^2/NDF:415883.2/23

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

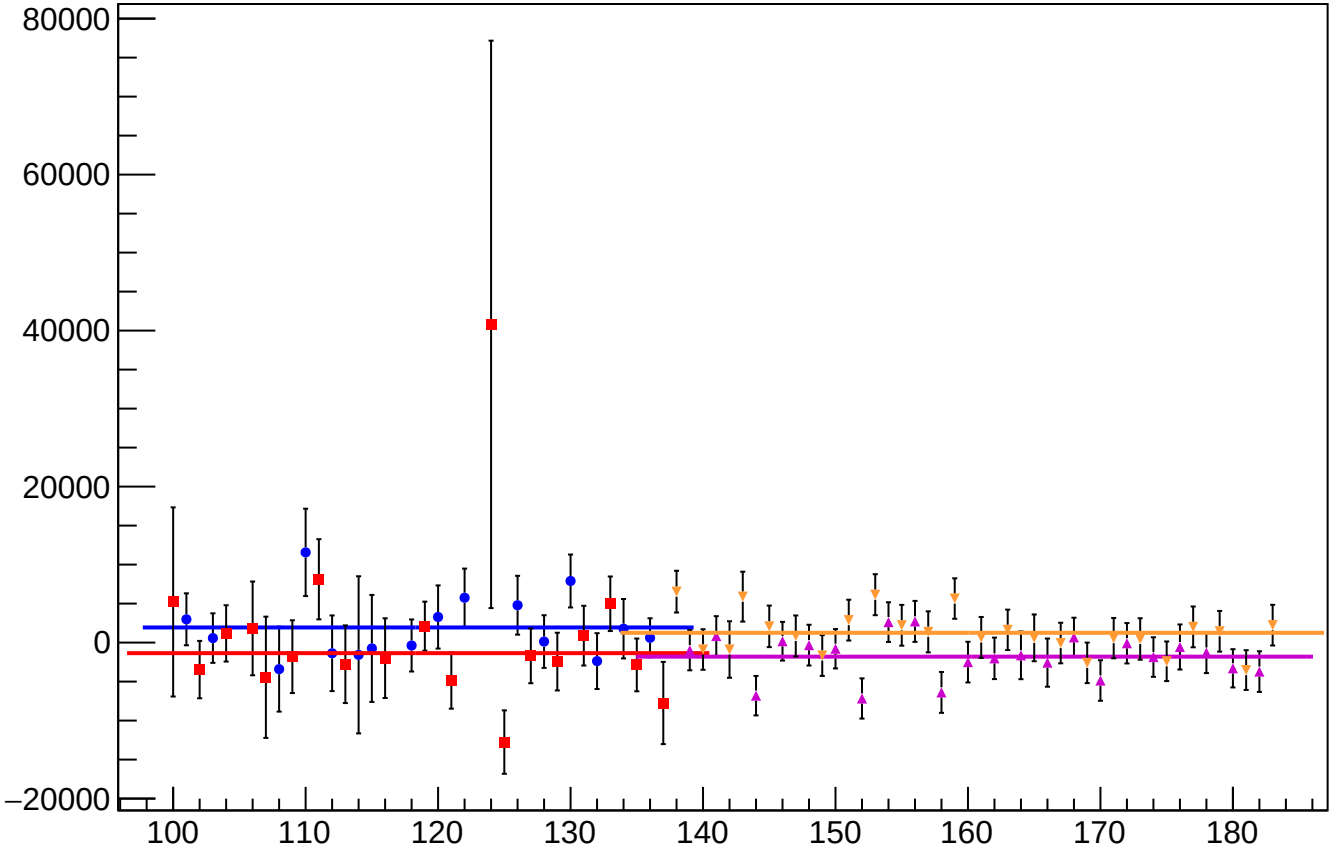
Left In: 932.362+/-0.155 χ^2/NDF:47433.2/21

+ sign 974.388+/-0.135 χ^2/NDF: 900336.4/39

All: 972.664+/-0.096 χ^2/NDF: 1739640.1/80

- sign 970.900+/-0.137 χ^2/NDF: 838976.0/40

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1254.120+/-545.131 χ^2/NDF:23.8/23

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

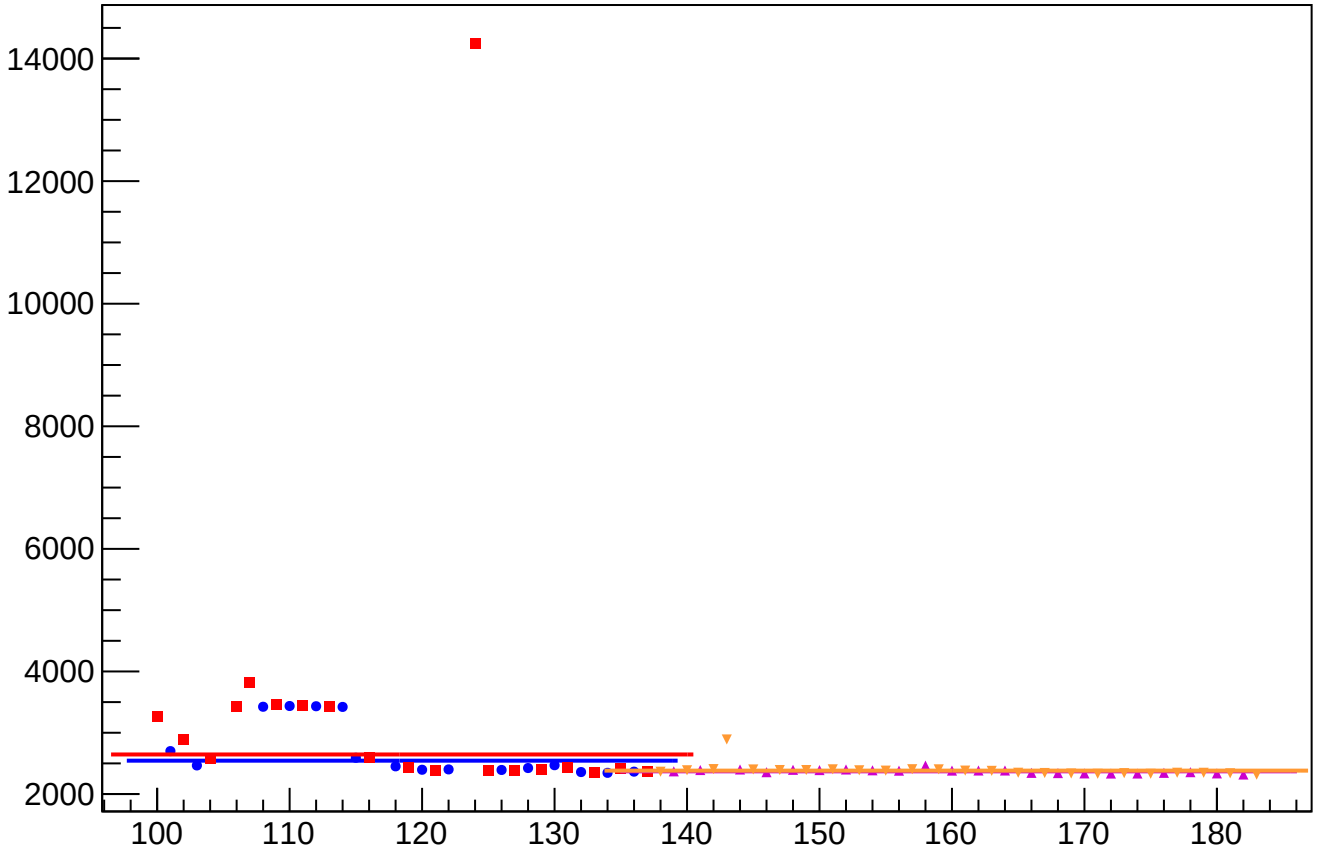
Left In: -1803.821+/-558.007 χ^2/NDF:23.7/21

+ sign 1423.252+/-473.130 χ^2/NDF: 36.4/39

All: -95.273+/-338.851 χ^2/NDF: 103.2/80

- sign -1694.416+/-485.526 χ^2/NDF: 45.6/40

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2382.014+/-0.385 χ^2/NDF:57332.6/23

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

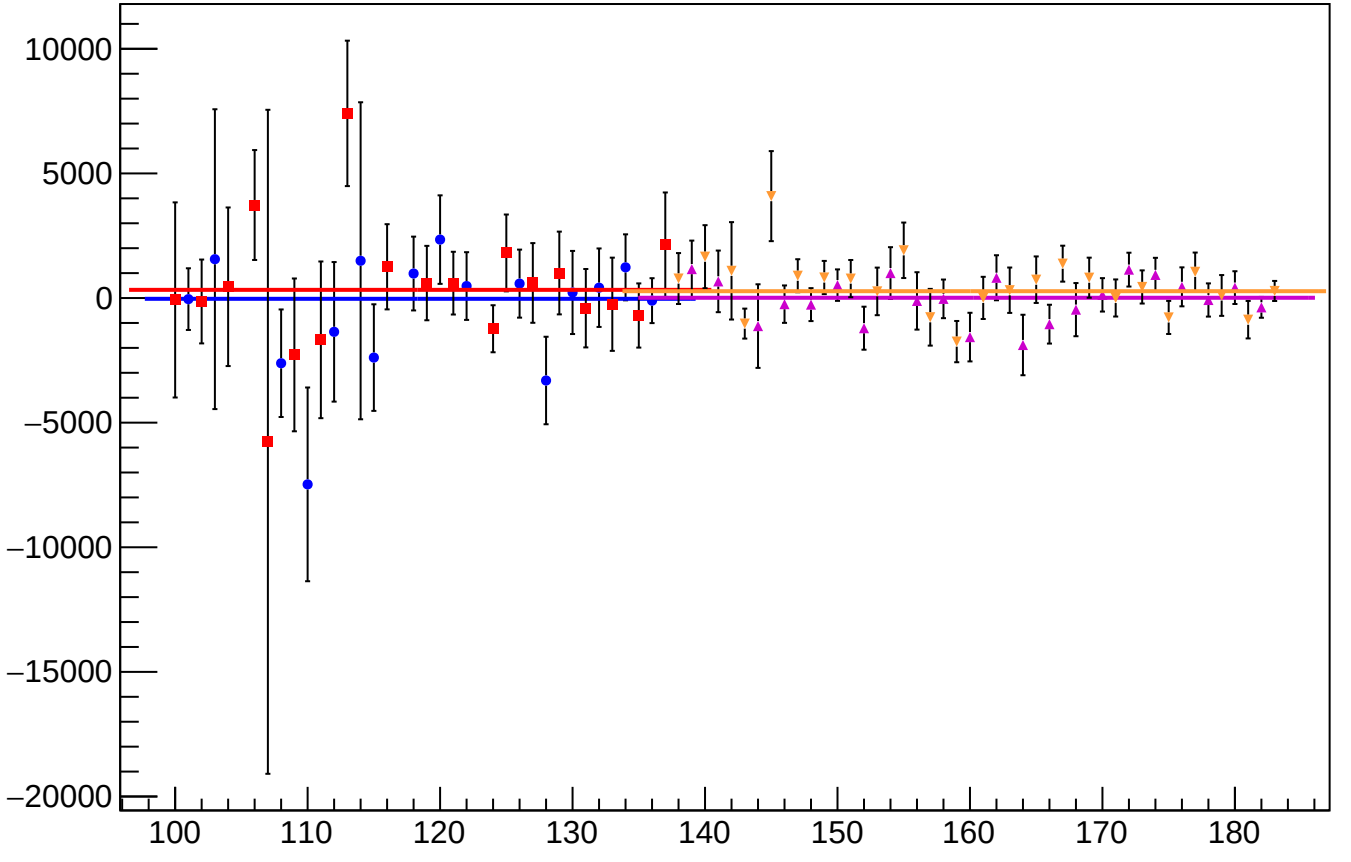
Left In: 2370.273+/-0.395 χ^2/NDF:6735.1/21

+ sign 2422.081+/-0.335 χ^2/NDF: 326739.8/39

All: 2429.428+/-0.240 χ^2/NDF: 989746.6/80

- sign 2437.164+/-0.343 χ^2/NDF: 662016.8/40

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 274.591+/-158.050 χ^2/NDF:31.0/23

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

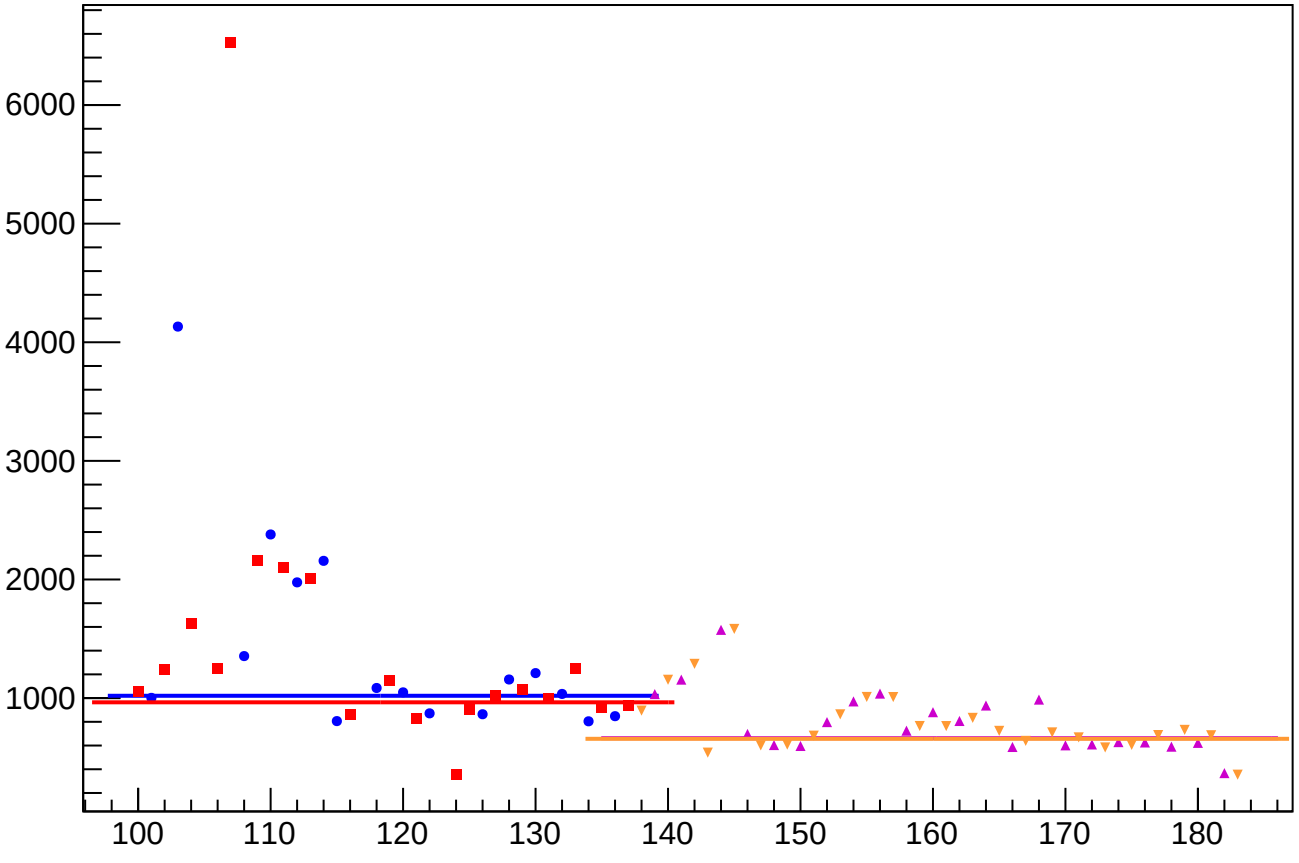
Left In: 10.902+/-164.449 χ^2/NDF:19.7/21

+ sign 234.303+/-147.270 χ^2/NDF: 45.3/39

All: 148.512+/-105.774 χ^2/NDF: 81.8/80

- sign 57.100+/-152.018 χ^2/NDF: 35.8/40

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 656.717+/-0.112 χ^2/NDF:3090789.1/23

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

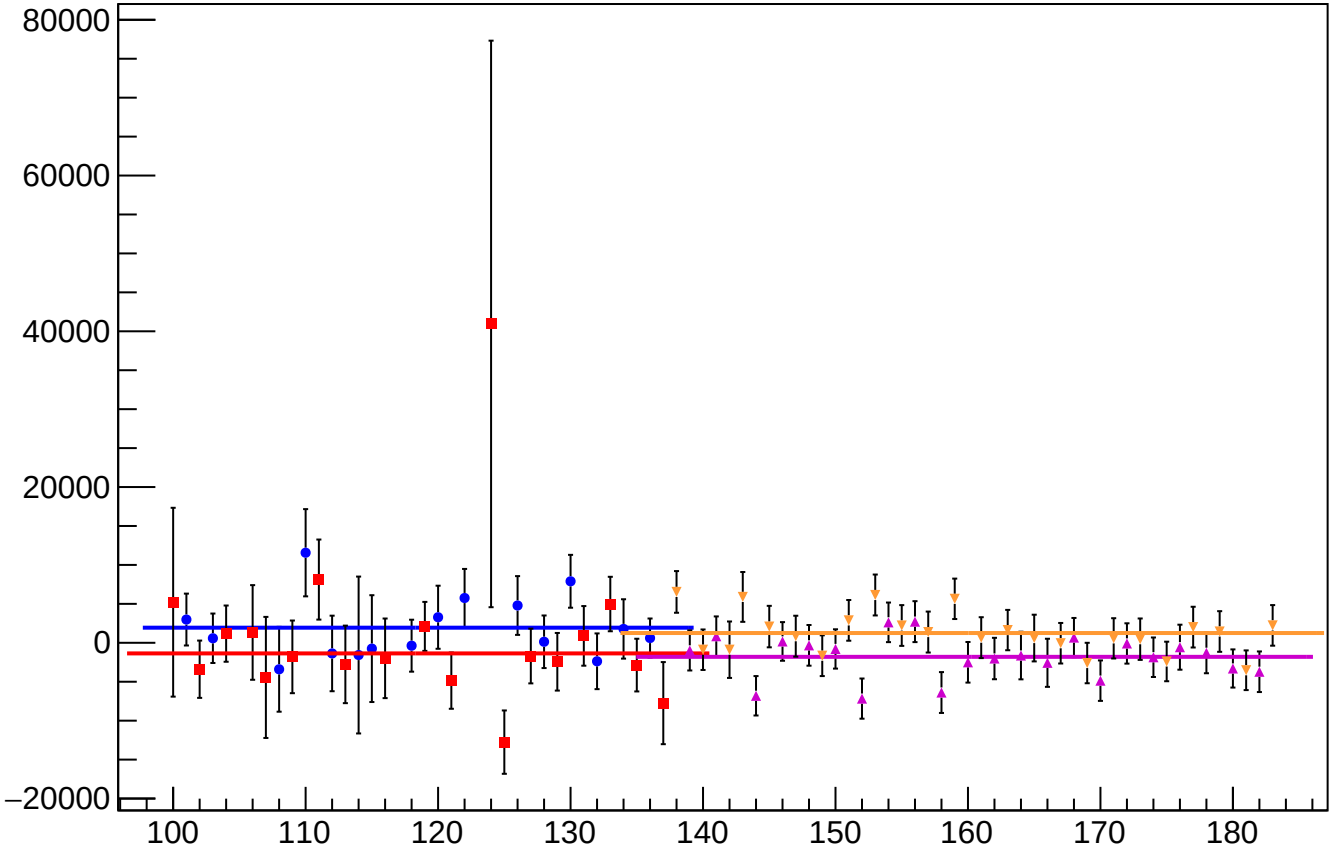
Left In: 661.984+/-0.116 χ^2/NDF:3140683.7/21

+ sign 704.518+/-0.104 χ^2/NDF: 5844065.4/39

All: 705.223+/-0.075 χ^2/NDF: 12277987.1/80

- sign 705.975+/-0.107 χ^2/NDF: 6433826.9/40

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1254.081+/-545.131 χ^2/NDF:23.8/23

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

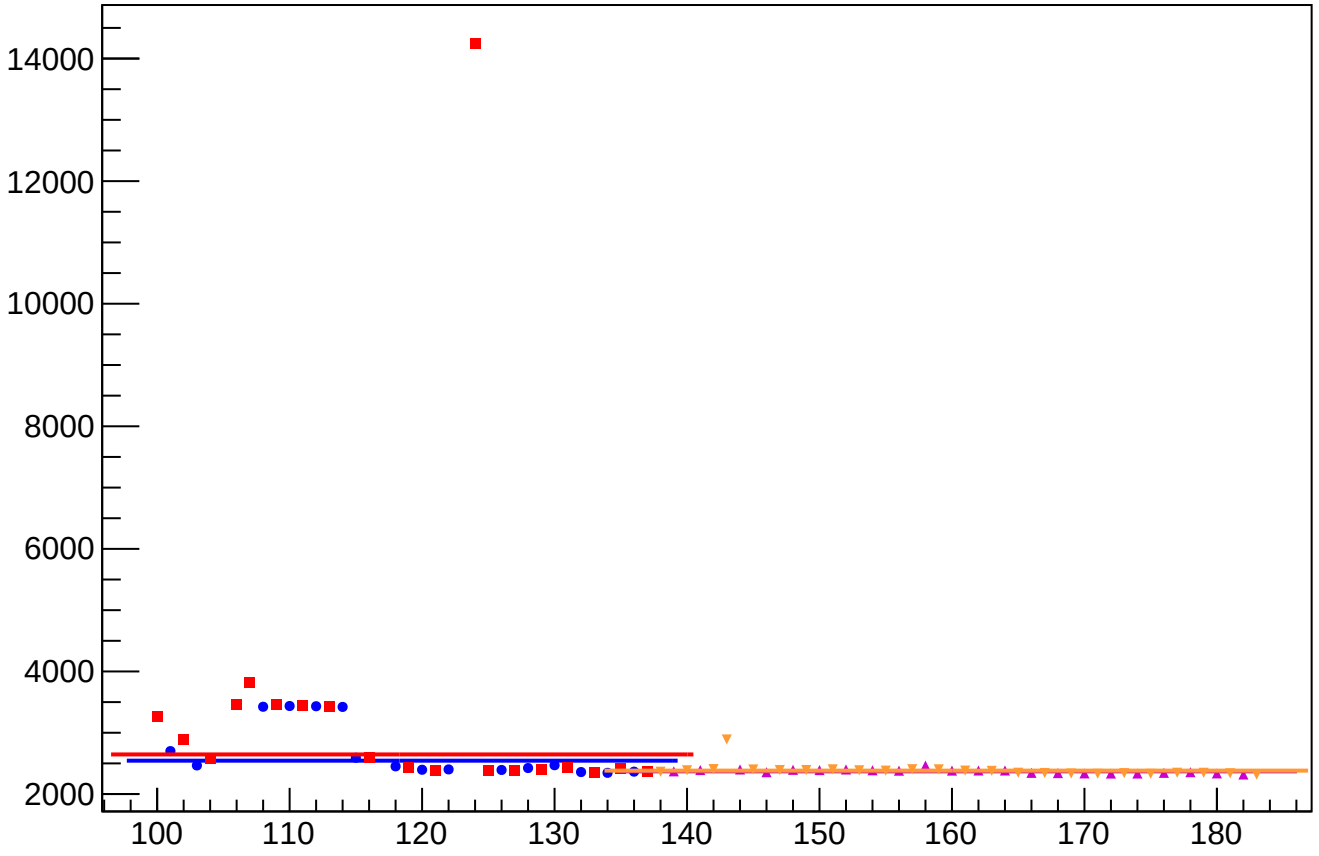
Left In: -1803.863+/-558.007 χ^2/NDF:23.7/21

+ sign 1423.309+/-473.130 χ^2/NDF: 36.4/39

All: -96.310+/-338.863 χ^2/NDF: 103.1/80

- sign -1696.844+/-485.562 χ^2/NDF: 45.5/40

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2382.014+/-0.385 χ^2/NDF:57332.6/23

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

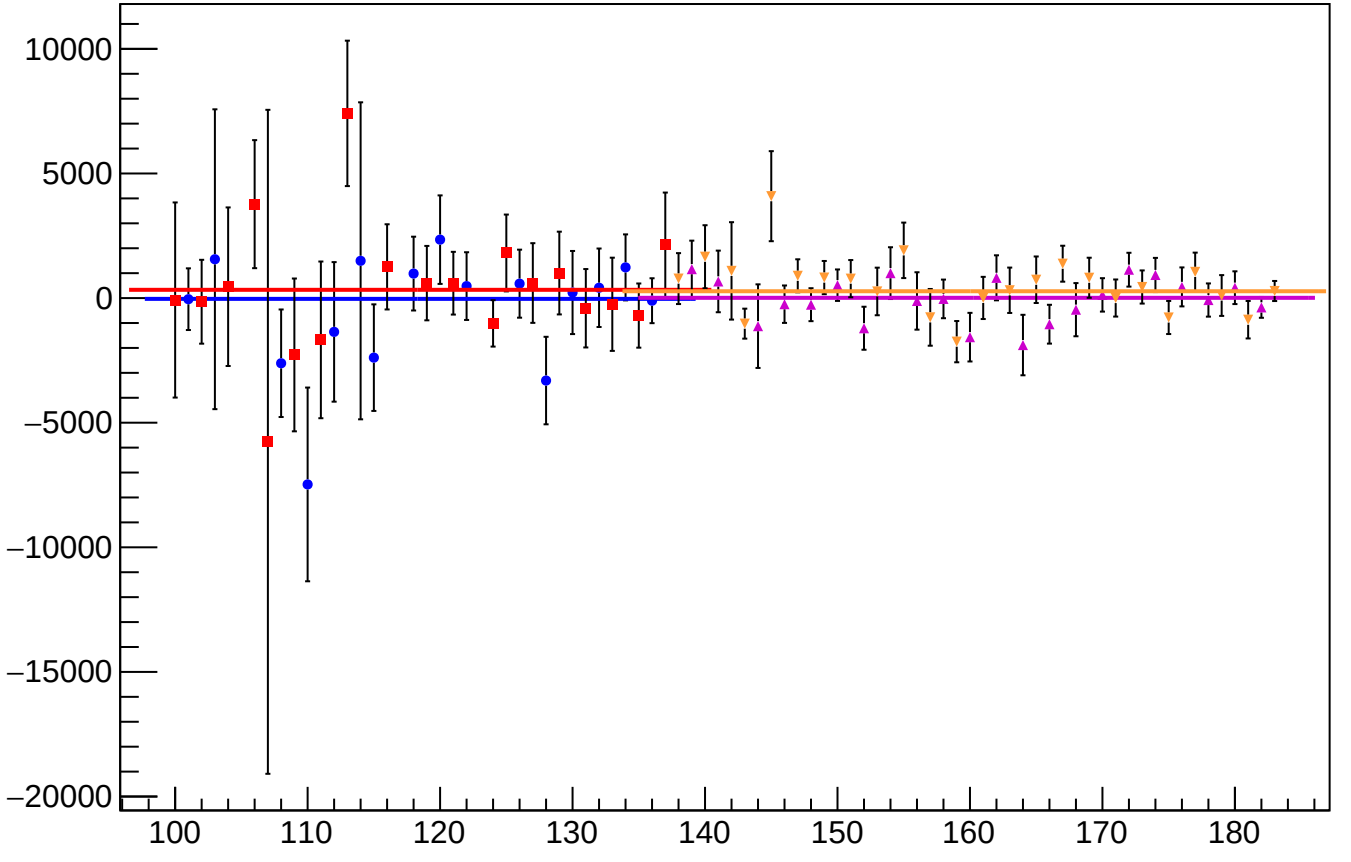
Left In: 2370.273+/-0.395 χ^2/NDF:6735.1/21

\+ sign 2422.081+/-0.335 χ^2/NDF: 326739.8/39

All: 2429.478+/-0.240 χ^2/NDF: 992765.4/80

\- sign 2437.268+/-0.343 χ^2/NDF: 665022.0/40

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 274.684+/-158.051 χ^2/NDF:31.0/23

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

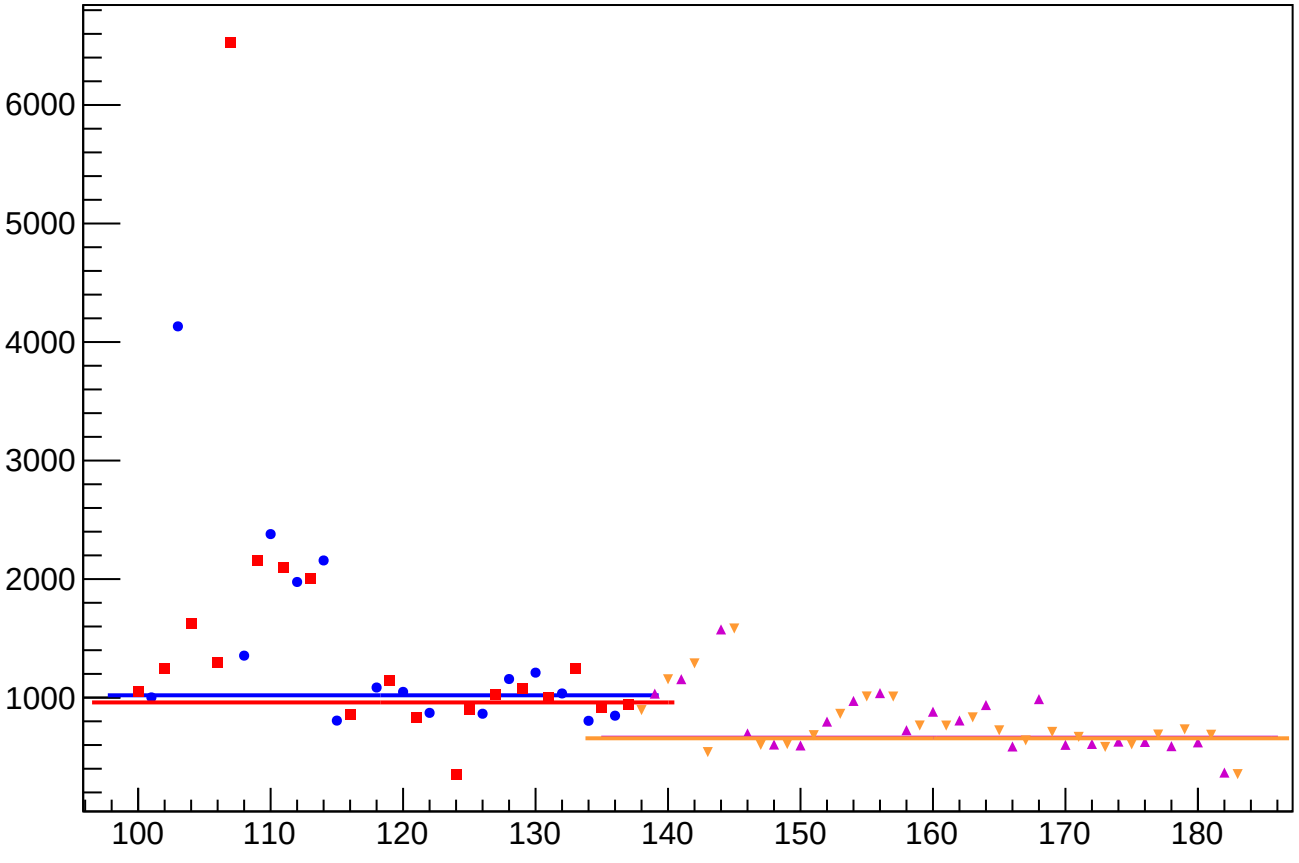
Left In: 10.838+/-164.447 χ^2/NDF:19.7/21

+ sign 234.375+/-147.271 χ^2/NDF: 45.3/39

All: 148.716+/-105.789 χ^2/NDF: 80.6/80

- sign 57.399+/-152.059 χ^2/NDF: 34.6/40

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 656.725+/-0.112 χ^2/NDF:3090677.7/23

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

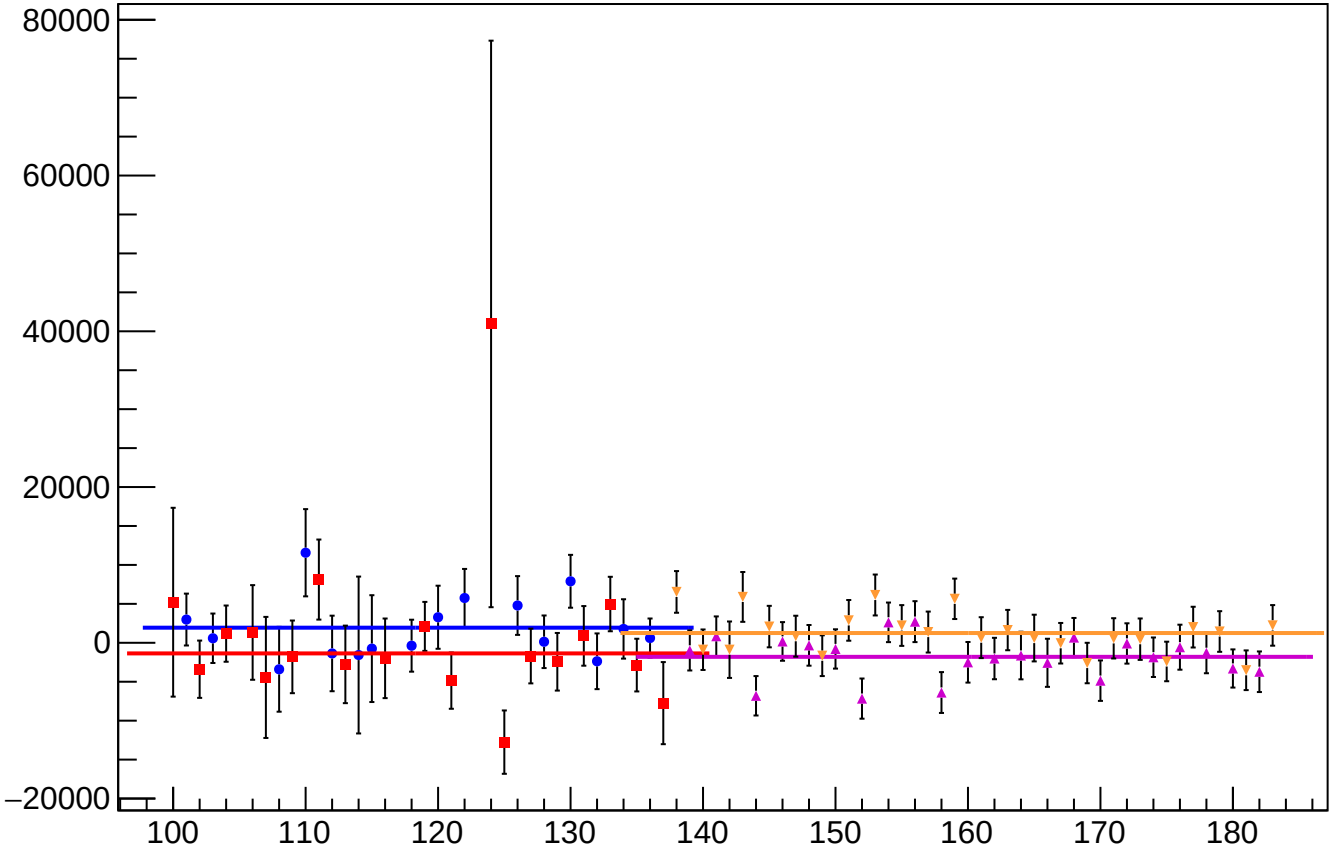
Left In: 661.972+/-0.116 χ^2/NDF:3141131.5/21

\+ sign 704.526+/-0.104 χ^2/NDF: 5843831.7/39

All: 704.799+/-0.075 χ^2/NDF: 12277668.5/80

\- sign 705.089+/-0.108 χ^2/NDF: 6433822.6/40

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1254.081+/-545.131 χ^2/NDF:23.8/23

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

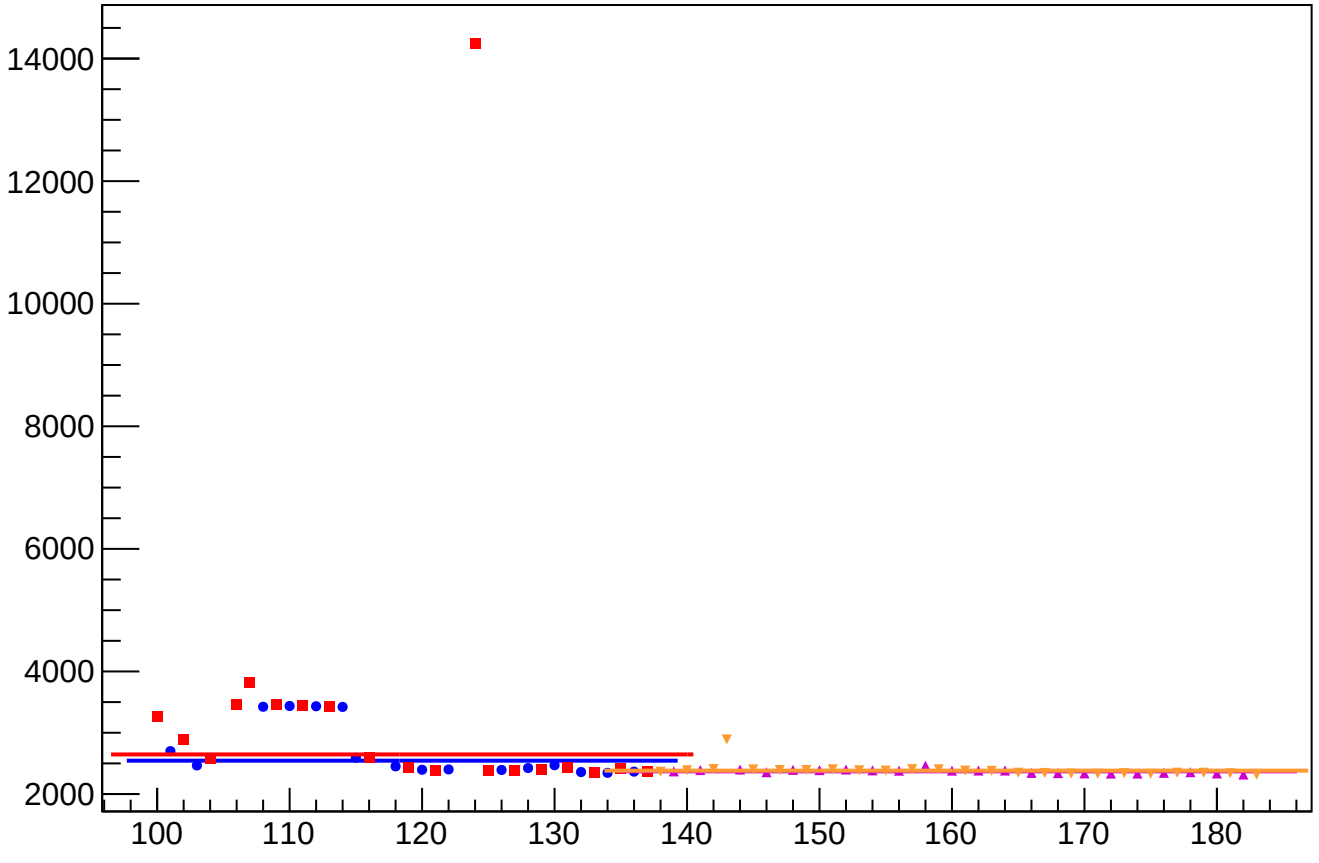
Left In: -1803.863+/-558.007 χ^2/NDF:23.7/21

+ sign 1423.309+/-473.130 χ^2/NDF: 36.4/39

All: -96.310+/-338.863 χ^2/NDF: 103.1/80

- sign -1696.844+/-485.562 χ^2/NDF: 45.5/40

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2382.014+/-0.385 χ^2/NDF:57332.6/23

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

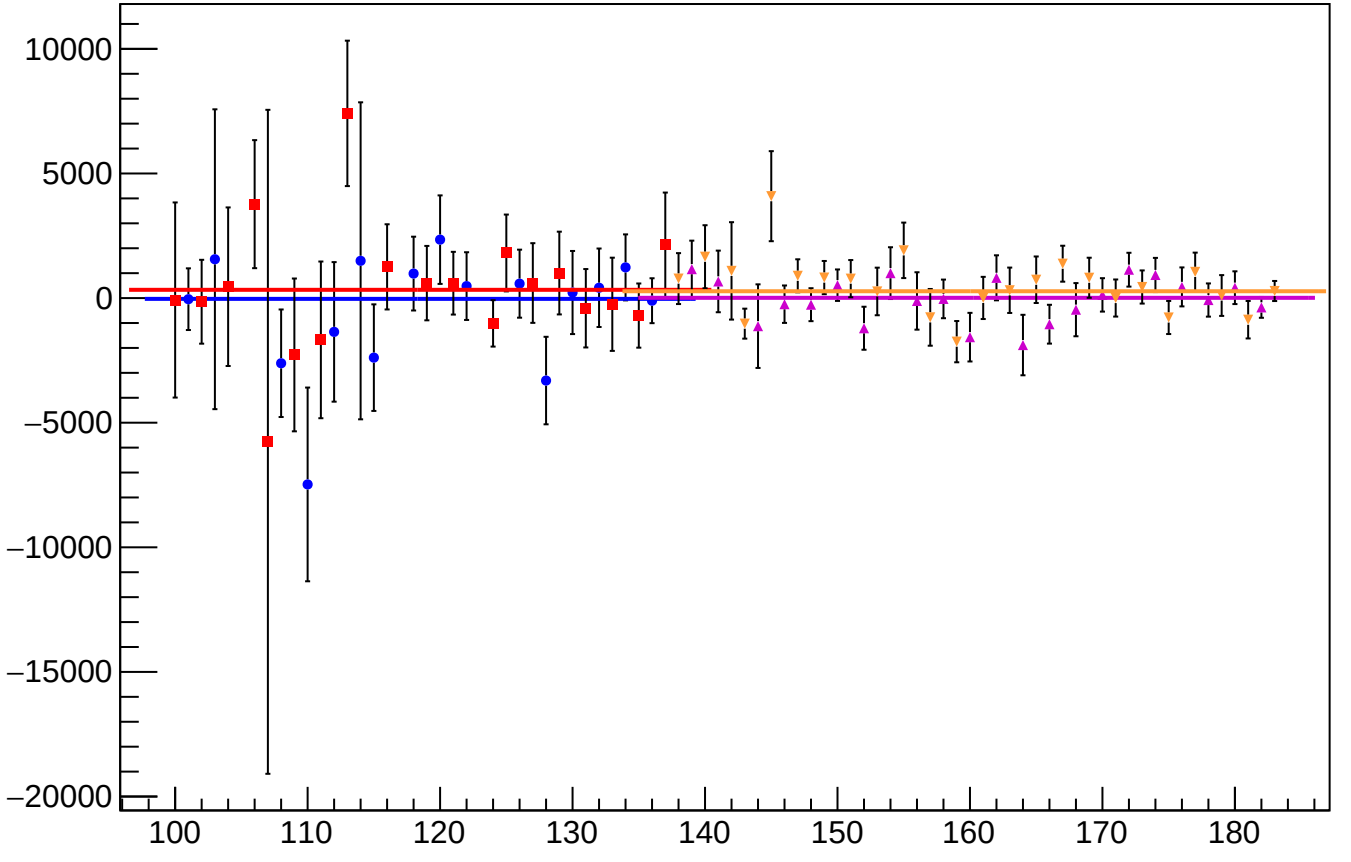
Left In: 2370.273+/-0.395 χ^2/NDF:6735.1/21

+ sign 2422.081+/-0.335 χ^2/NDF: 326739.8/39

All: 2429.478+/-0.240 χ^2/NDF: 992765.4/80

- sign 2437.268+/-0.343 χ^2/NDF: 665022.0/40

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 274.684+/-158.051 χ^2/NDF:31.0/23

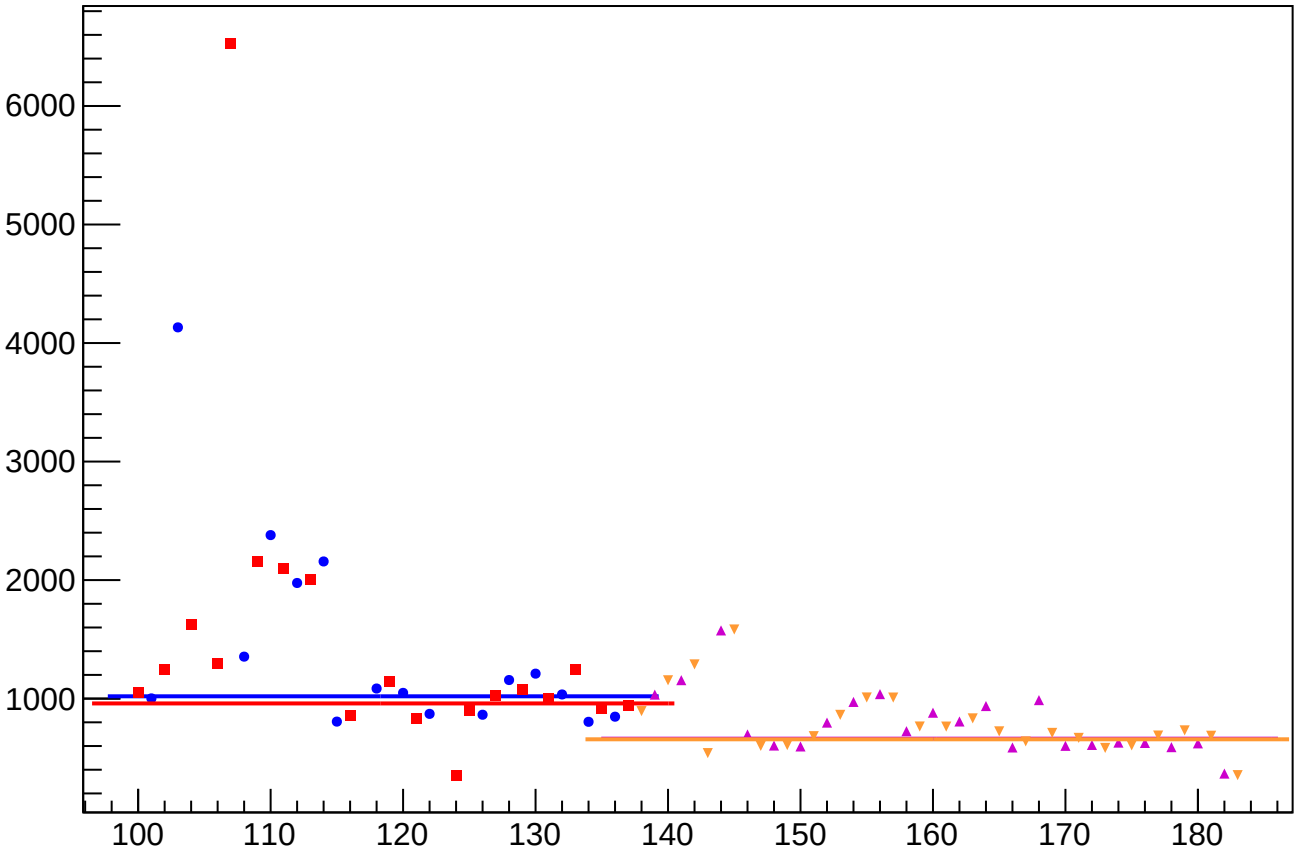
Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 10.838+/-164.447 χ^2/NDF:19.7/21

+ sign 234.375+/-147.271 χ^2/NDF: 45.3/39

All: 148.716+/-105.789 χ^2/NDF: 80.6/80

- sign 57.399+/-152.059 χ^2/NDF: 34.6/40



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 656.725+/-0.112 χ^2/NDF:3090677.7/23

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

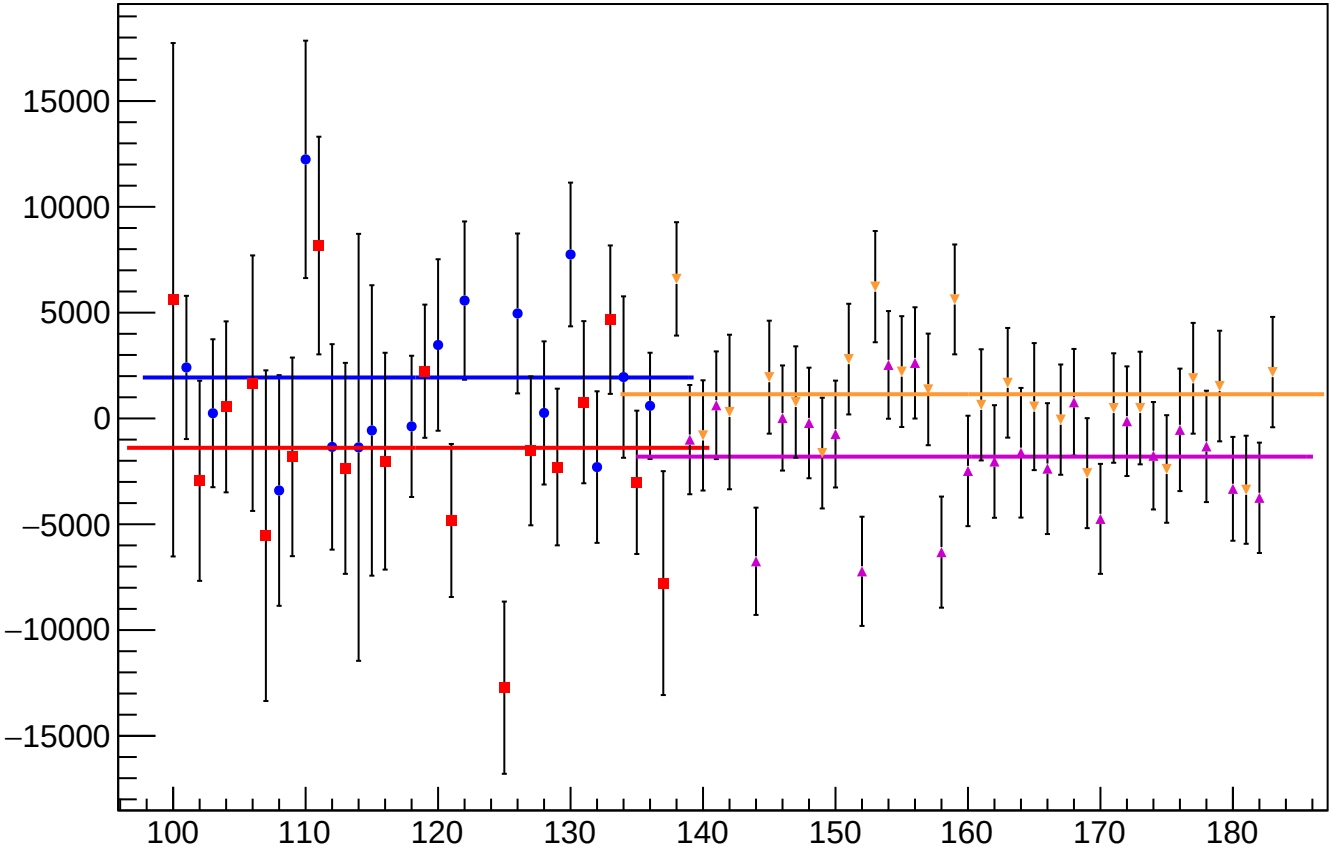
Left In: 661.972+/-0.116 χ^2/NDF:3141131.5/21

\+ sign 704.526+/-0.104 χ^2/NDF: 5843831.7/39

All: 704.799+/-0.075 χ^2/NDF: 12277668.5/80

\- sign 705.089+/-0.108 χ^2/NDF: 6433822.6/40

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1144.964+/-553.855 χ^2/NDF:21.1/22

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

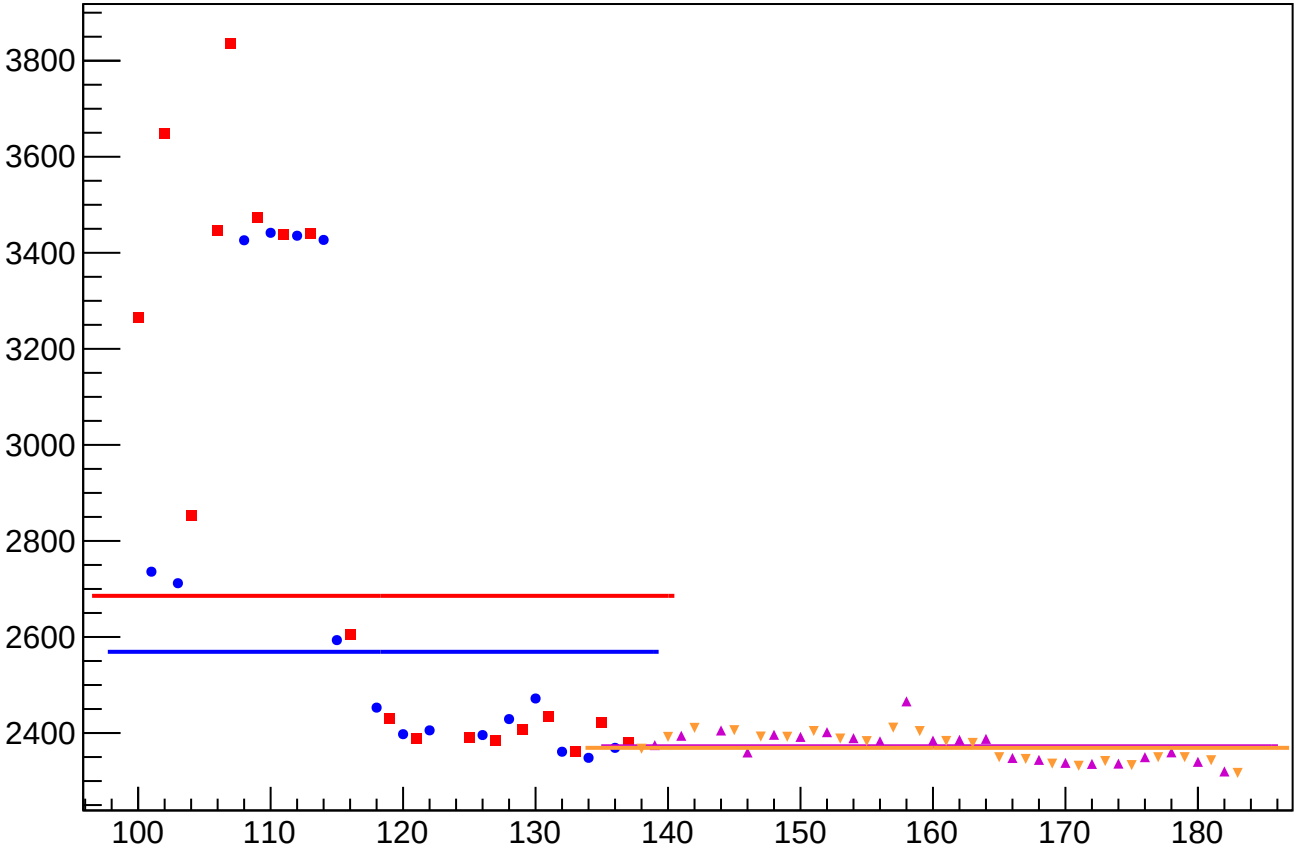
Left In: -1804.541+/-558.514 χ^2/NDF:23.0/21

+ sign 1341.791+/-480.028 χ^2/NDF: 34.0/38

All: -155.319+/-342.442 χ^2/NDF: 96.7/78

- sign -1706.757+/-488.660 χ^2/NDF: 42.9/39

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2369.159+/-0.392 χ^2/NDF:5414.5/22

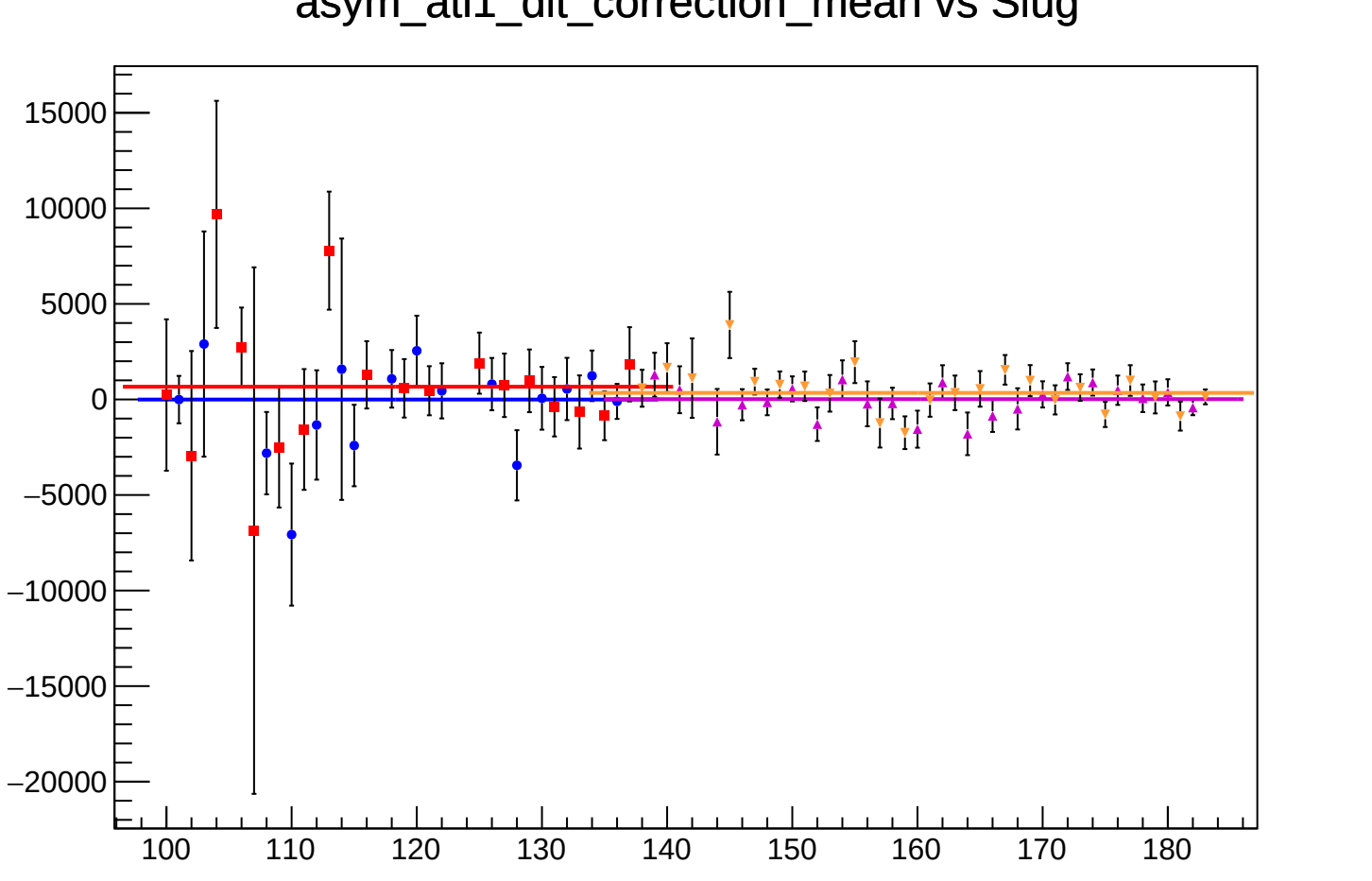
Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2372.418+/-0.395 χ^2/NDF:6747.5/21

+ sign 2418.917+/-0.339 χ^2/NDF: 299775.1/38

All: 2432.156+/-0.242 χ^2/NDF: 876423.2/78

- sign 2445.876+/-0.346 χ^2/NDF: 573550.0/39



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 344.136+/-165.833 χ^2/NDF:26.6/22

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

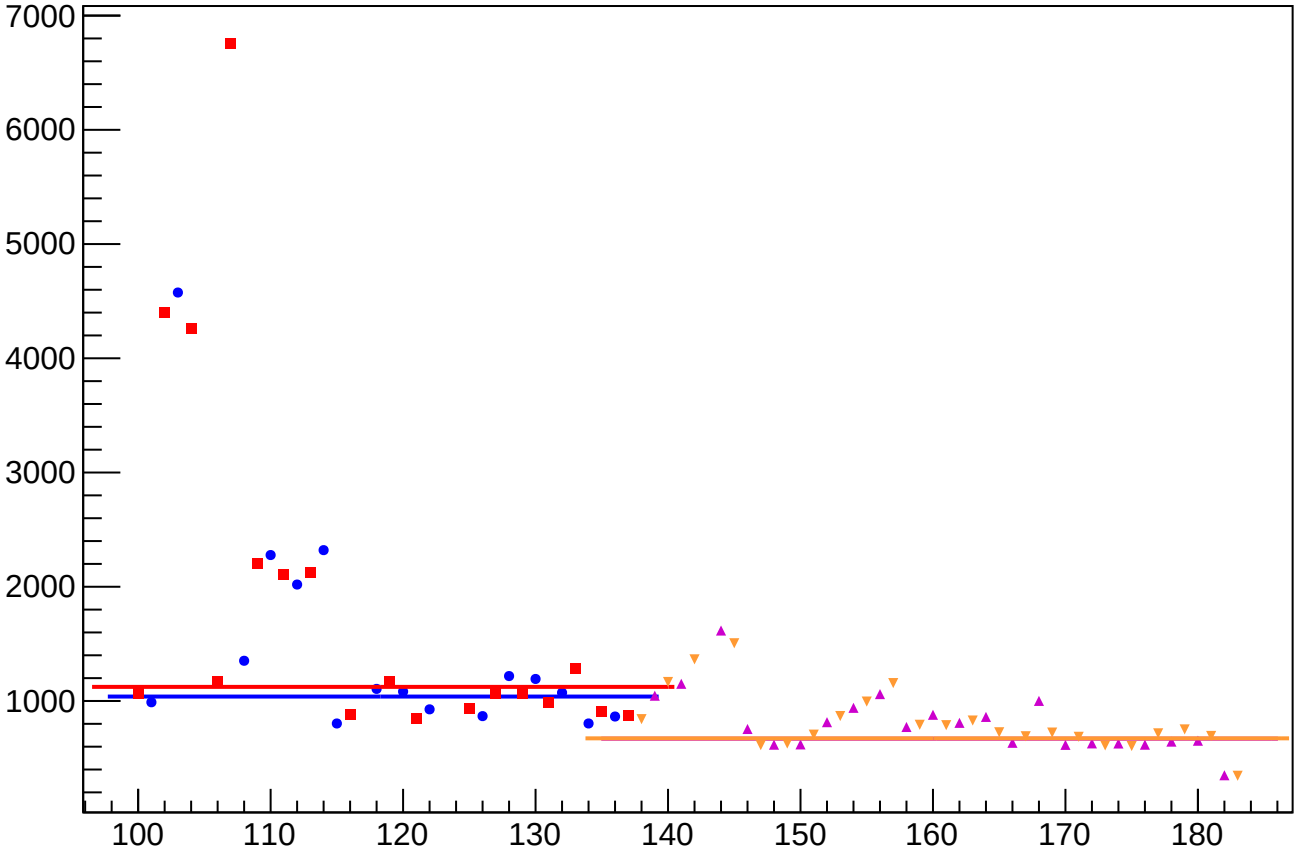
Left In: 16.637+/-166.557 χ^2/NDF:20.1/21

\+ sign 295.485+/-153.852 χ^2/NDF: 41.7/38

All: 195.438+/-109.758 χ^2/NDF: 78.8/78

\- sign 91.749+/-156.627 χ^2/NDF: 36.2/39

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 672.955+/-0.117 χ^2/NDF:3232349.8/22

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

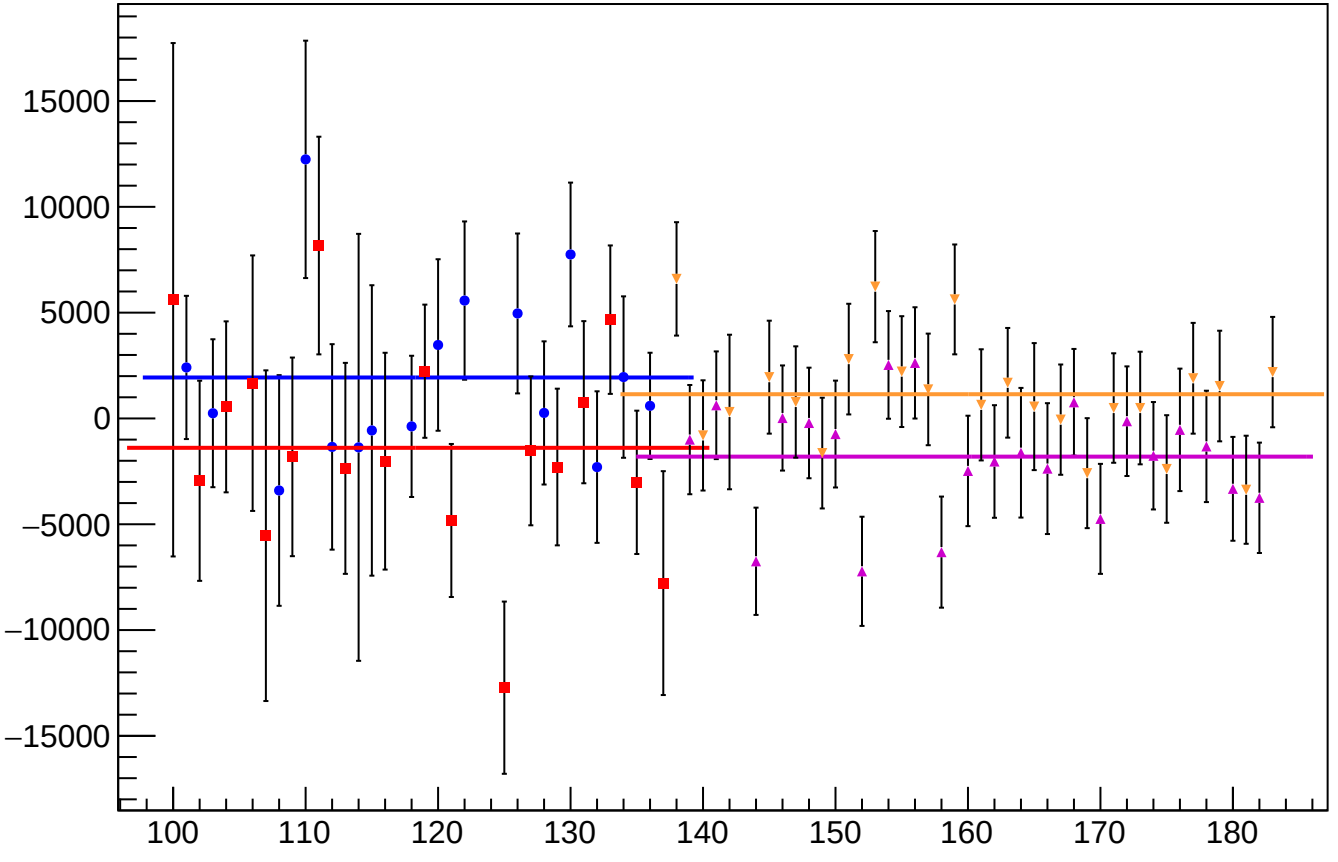
Left In: 669.903+/-0.118 χ^2/NDF:3355079.0/21

+ sign 723.911+/-0.109 χ^2/NDF: 6127817.1/38

All: 723.155+/-0.078 χ^2/NDF: 13734231.1/78

- sign 722.371+/-0.111 χ^2/NDF: 7606315.7/39

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

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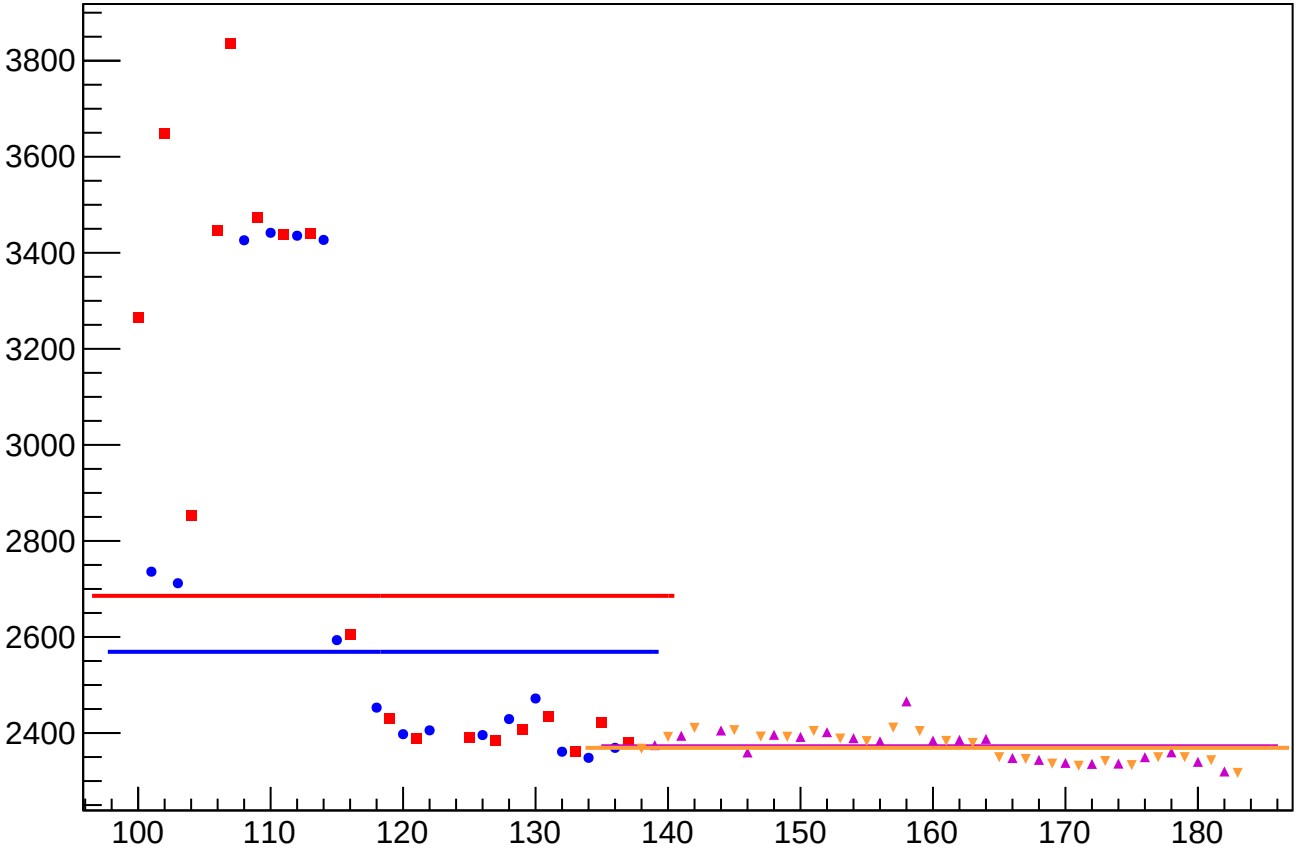
Left In: -1804.542+/-558.514 χ^2/NDF:23.0/21

+ sign 1341.790+/-480.028 χ^2/NDF: 34.0/38

All: -155.320+/-342.442 χ^2/NDF: 96.7/78

- sign -1706.756+/-488.660 χ^2/NDF: 42.9/39

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2369.159+/-0.392 χ^2/NDF:5414.5/22

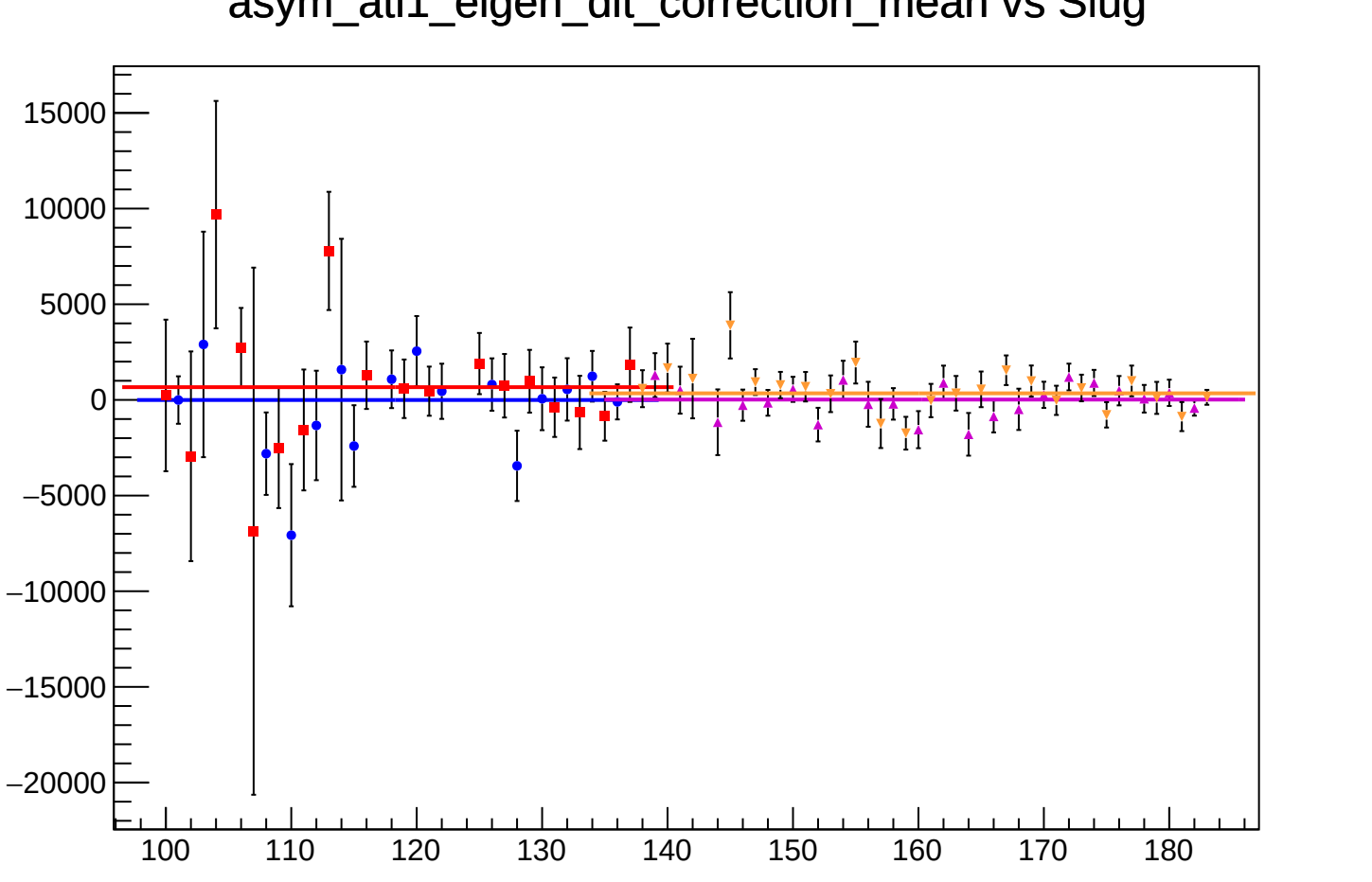
Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2372.418+/-0.395 χ^2/NDF:6747.5/21

+ sign 2418.917+/-0.339 χ^2/NDF: 299774.6/38

All: 2432.156+/-0.242 χ^2/NDF: 876421.8/78

- sign 2445.876+/-0.346 χ^2/NDF: 573549.1/39



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 344.136+/-165.833 χ^2/NDF:26.6/22

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

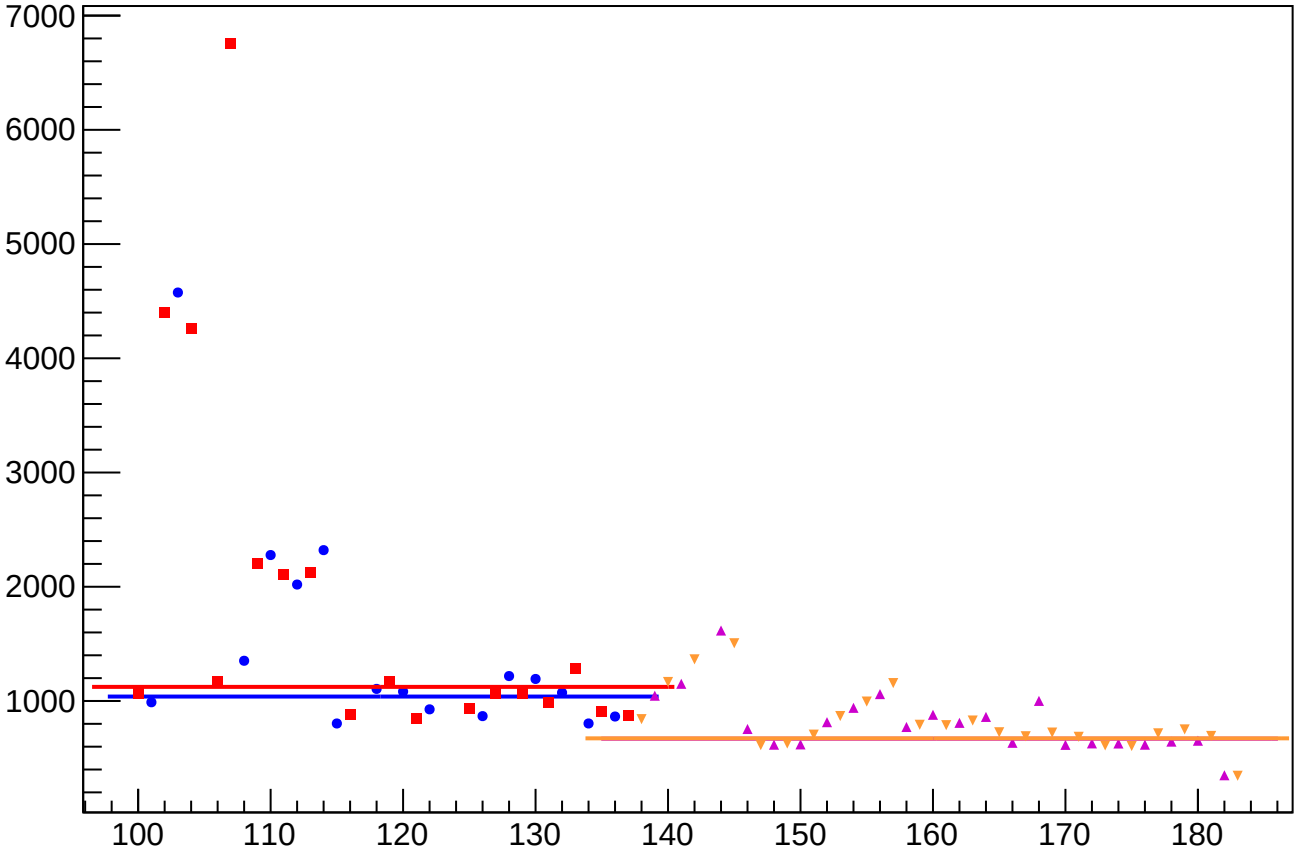
Left In: 16.637+/-166.557 χ^2/NDF:20.1/21

\+ sign 295.485+/-153.852 χ^2/NDF: 41.7/38

All: 195.438+/-109.758 χ^2/NDF: 78.8/78

\- sign 91.749+/-156.627 χ^2/NDF: 36.2/39

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 672.956+/-0.117 χ^2/NDF:3232357.7/22

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

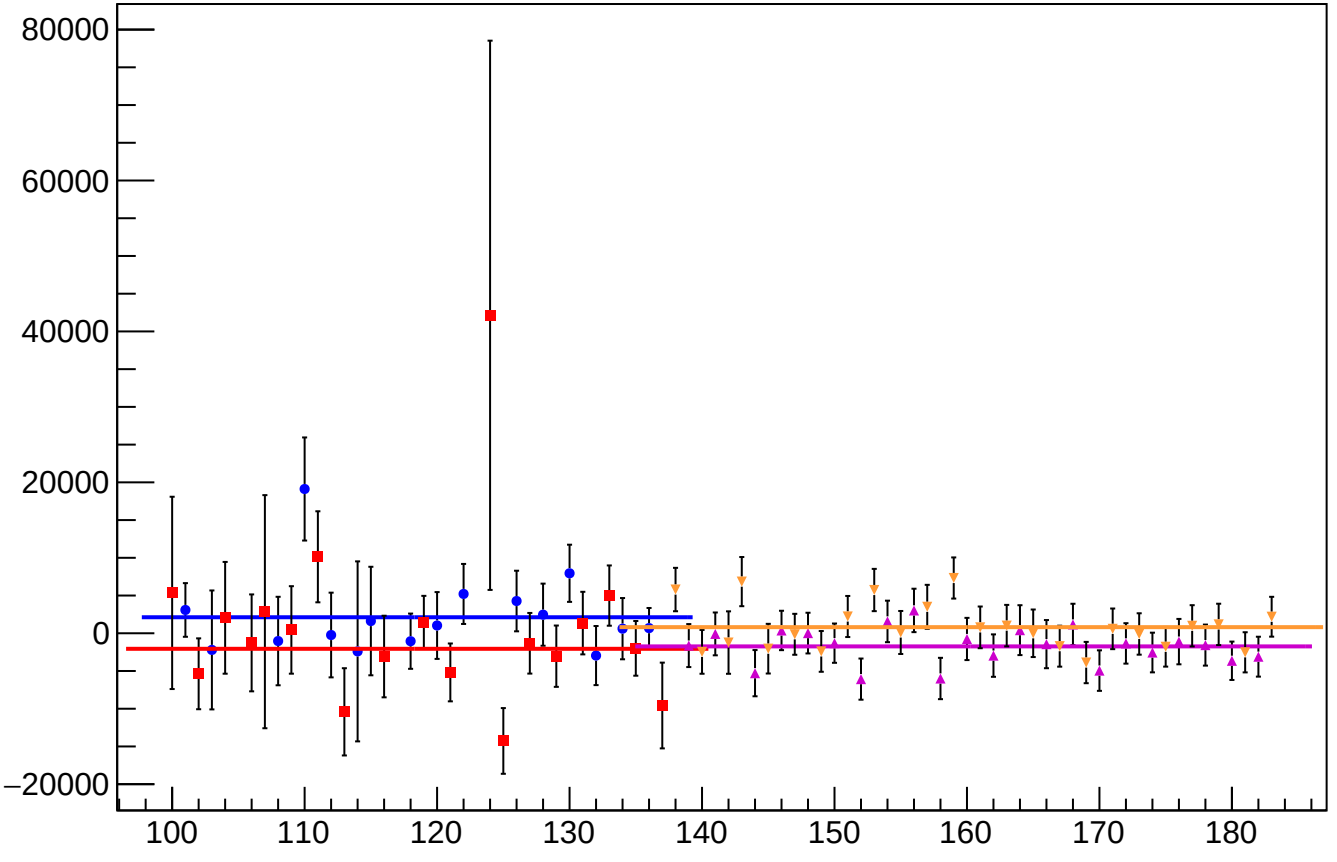
Left In: 669.904+/-0.118 χ^2/NDF:3355090.4/21

\+ sign 723.912+/-0.109 χ^2/NDF: 6127815.2/38

All: 723.156+/-0.078 χ^2/NDF: 13734232.1/78

\- sign 722.372+/-0.111 χ^2/NDF: 7606318.6/39

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 810.165+/-577.732 χ^2/NDF:27.1/23

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

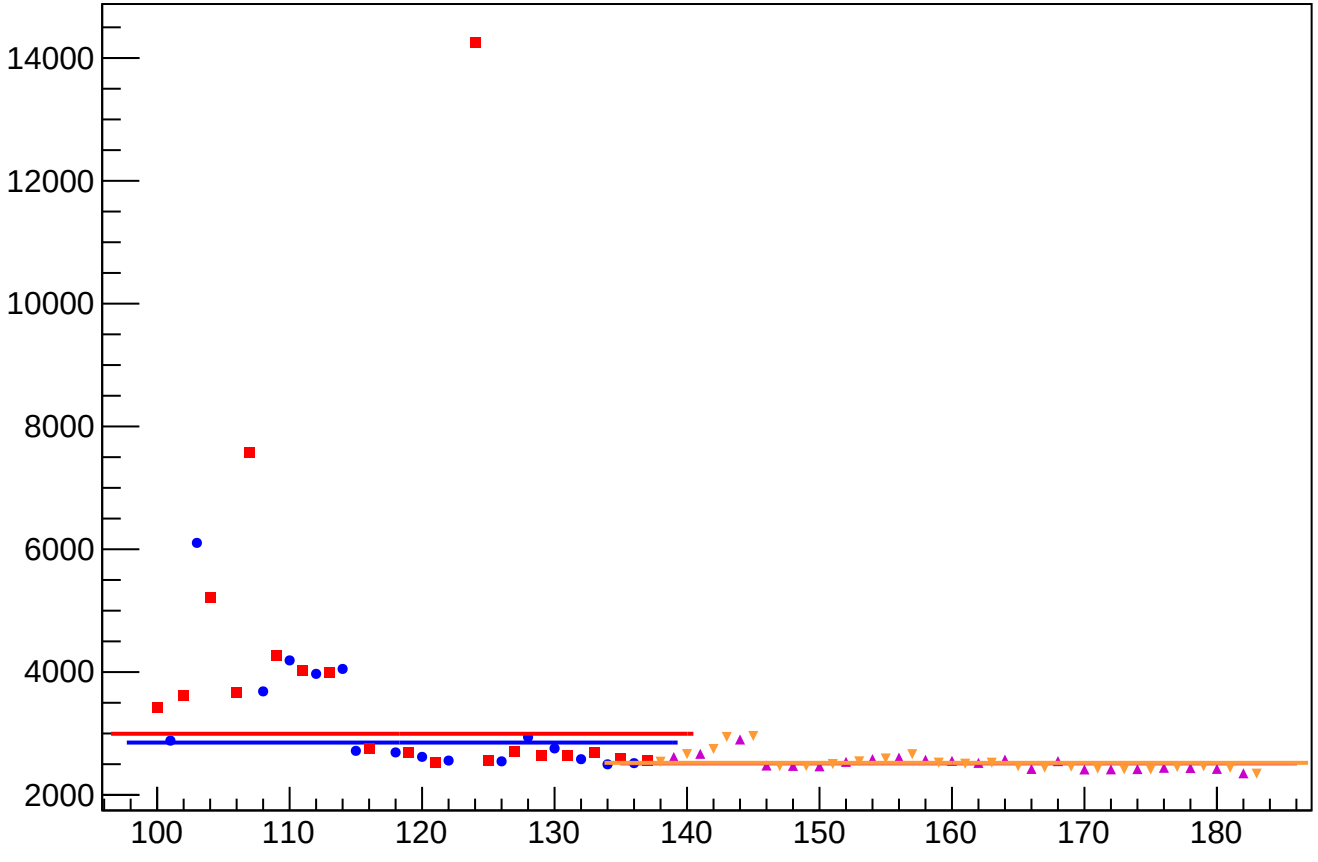
Left In: -1740.130+/-592.350 χ^2/NDF:16.2/21

+ sign 1100.067+/-509.914 χ^2/NDF: 41.6/39

All: -310.900+/-365.887 χ^2/NDF: 97.9/80

- sign -1808.378+/-525.314 χ^2/NDF: 40.6/40

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2522.118+/-0.409 χ^2/NDF:112568.0/23

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

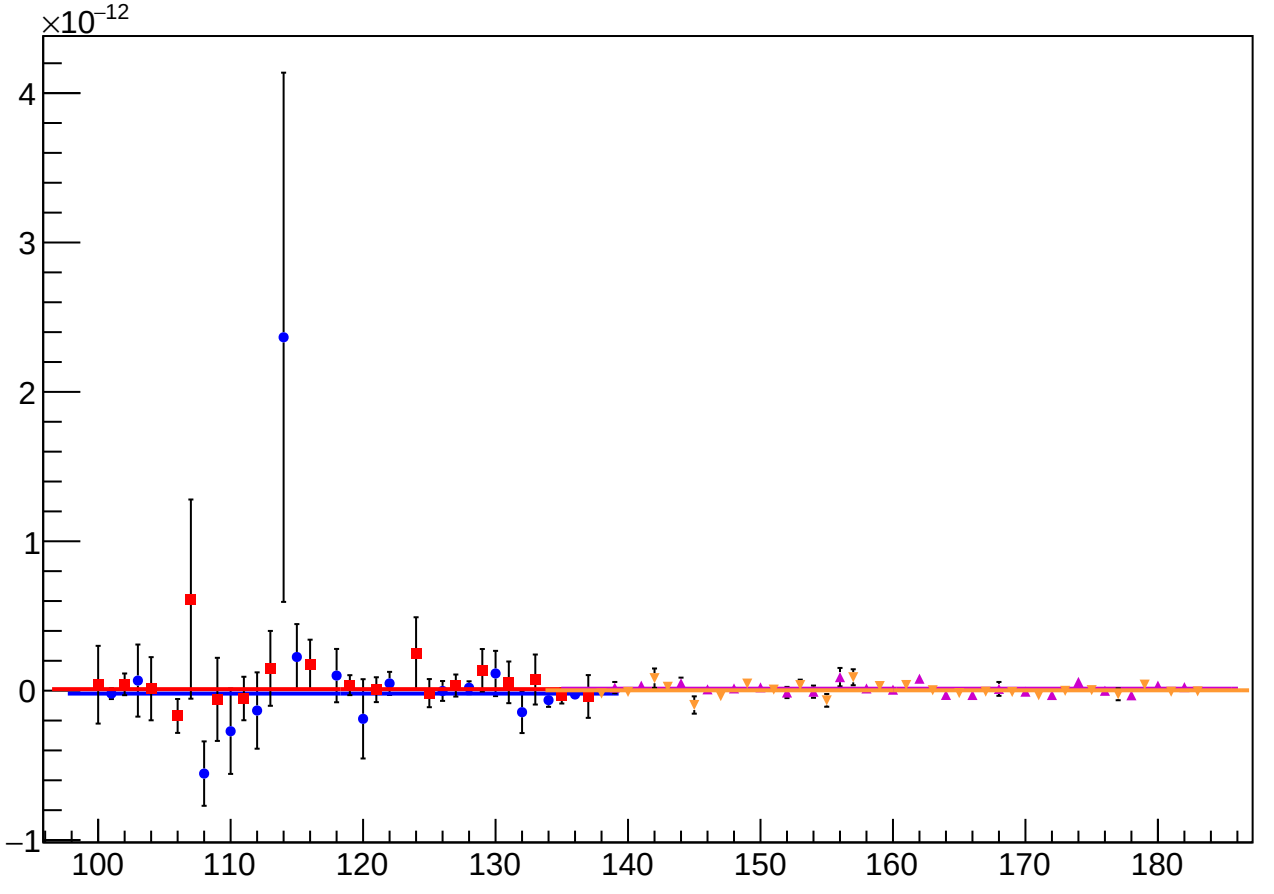
Left In: 2513.461+/-0.419 χ^2/NDF:70453.8/21

+ sign 2595.065+/-0.361 χ^2/NDF: 905564.8/39

All: 2605.414+/-0.259 χ^2/NDF: 2239730.0/80

- sign 2616.397+/-0.371 χ^2/NDF: 1332467.1/40

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

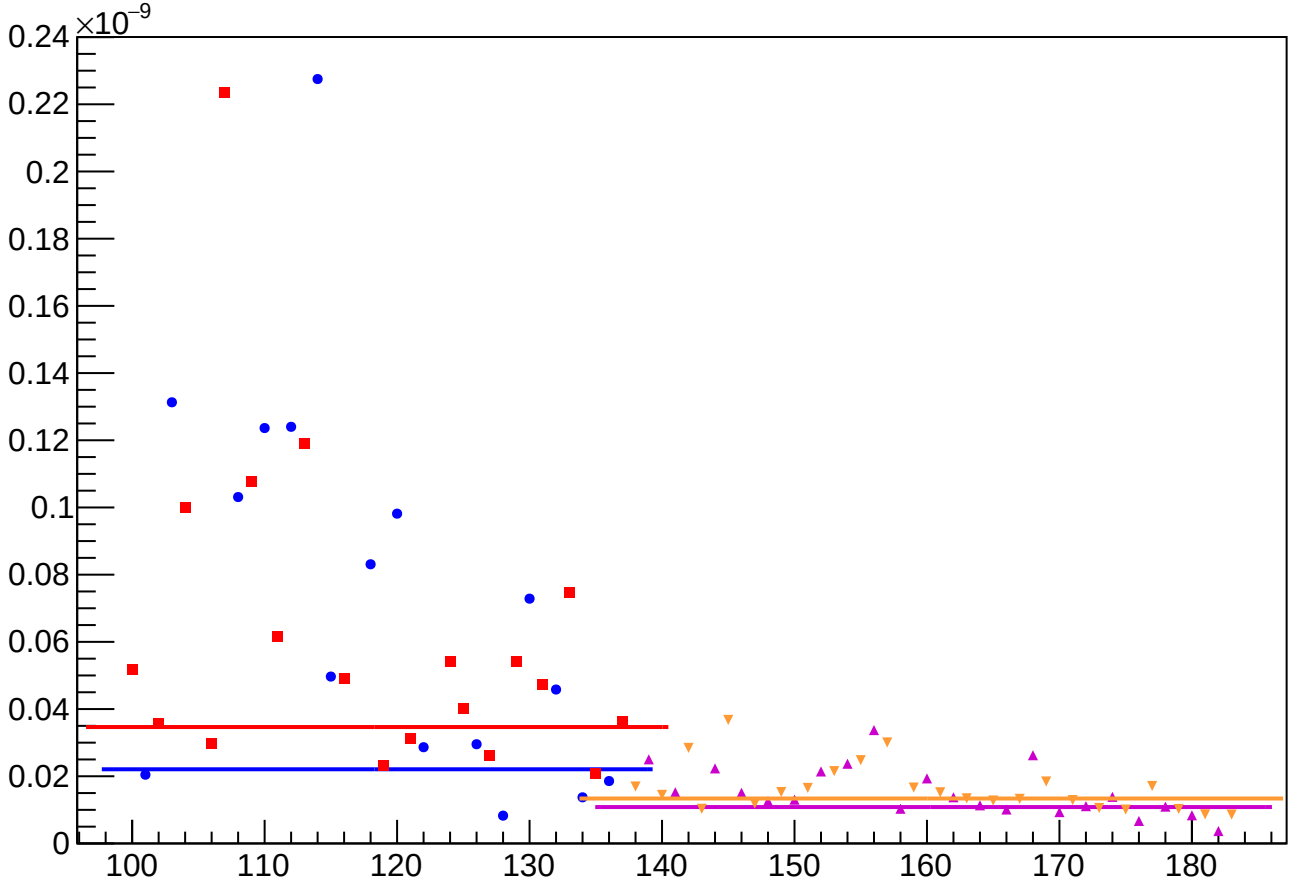
Left In: 0.000+/-0.000 χ^2/NDF:32.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/39

All: 0.000+/-0.000 χ^2/NDF: 87.9/80

- sign 0.000+/-0.000 χ^2/NDF: 40.5/40

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1441754.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

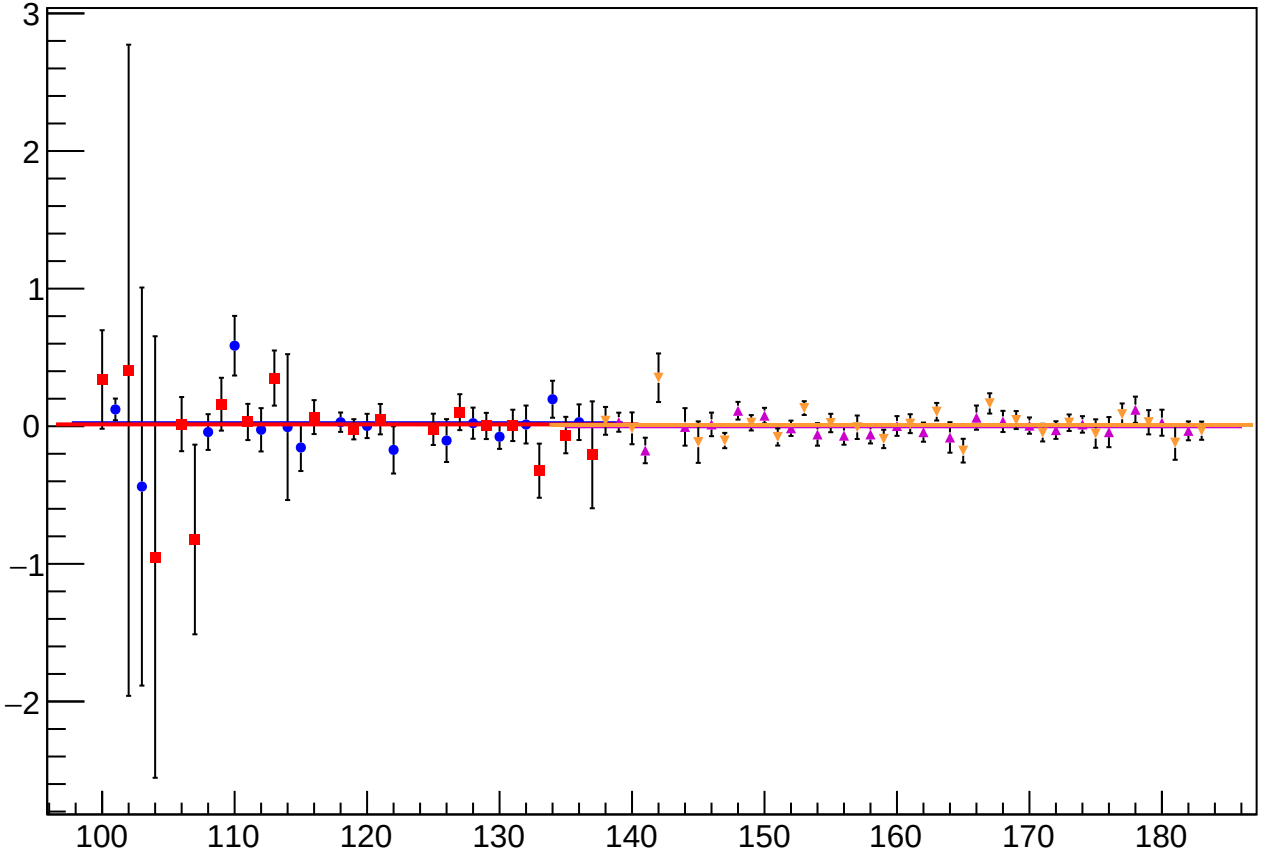
Left In: 0.000+/-0.000 χ^2/NDF:2608921.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 4256280.6/39

All: 0.000+/-0.000 χ^2/NDF: 10162758.0/80

- sign 0.000+/-0.000 χ^2/NDF: 5677910.3/40

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/22

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

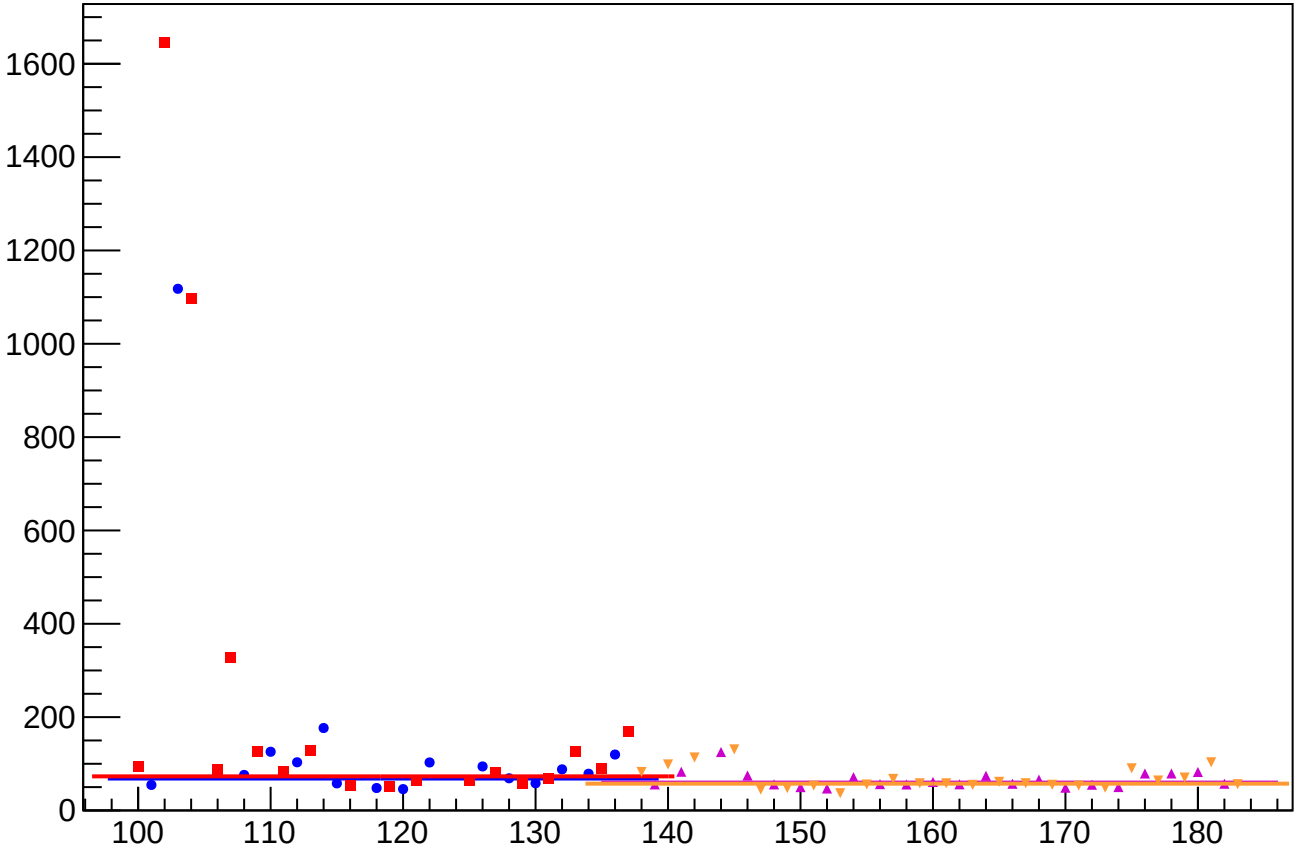
Left In: -0.000+/-0.016 χ^2/NDF:15.1/21

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/38

All: 0.007+/-0.010 χ^2/NDF: 76.0/78

- sign 0.002+/-0.014 χ^2/NDF: 26.1/39

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.426+/-0.011 χ^2/NDF:2183182.3/22

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

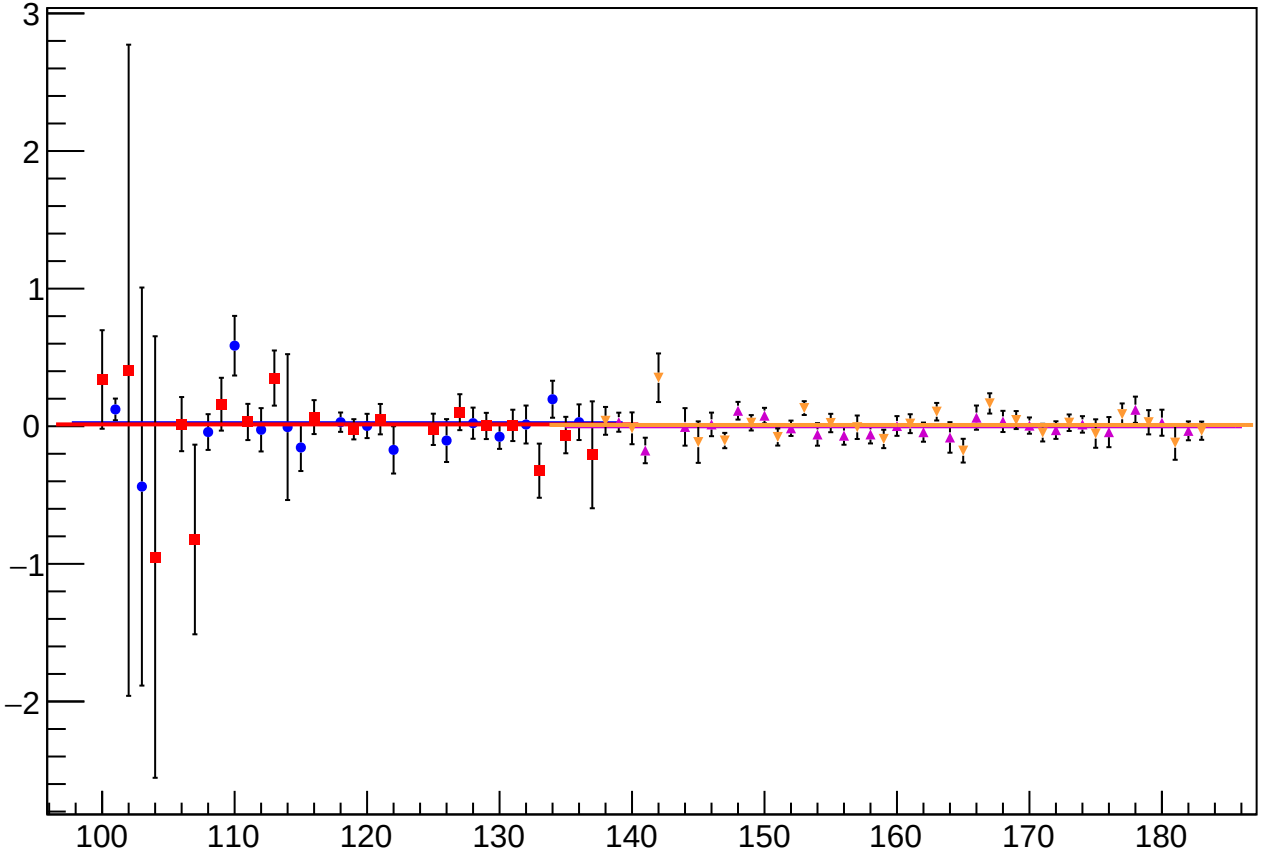
Left In: 59.693+/-0.011 χ^2/NDF:1329823.7/21

+ sign 59.651+/-0.010 χ^2/NDF: 4673776.8/38

All: 60.814+/-0.007 χ^2/NDF: 9209940.4/78

- sign 62.080+/-0.010 χ^2/NDF: 4505417.0/39

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/22

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

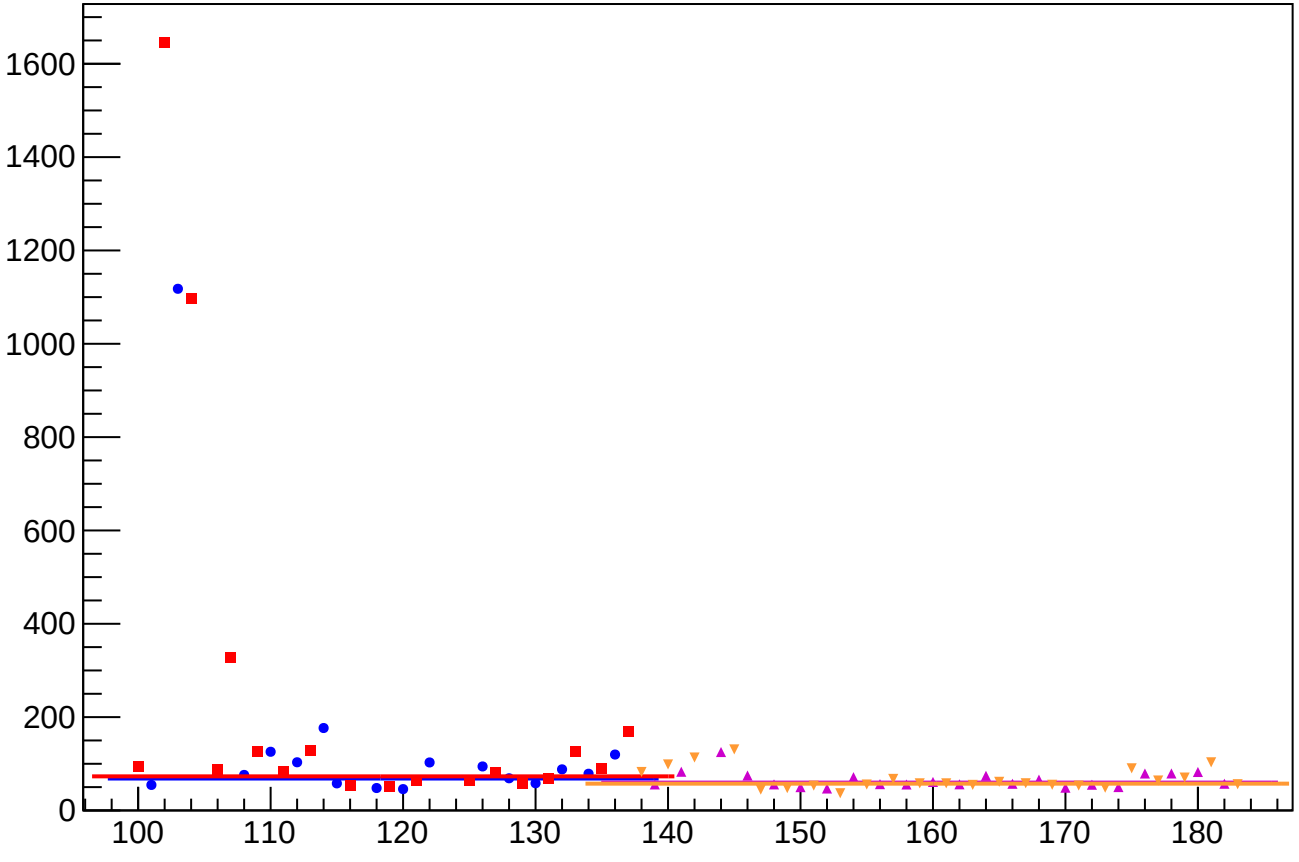
Left In: -0.000+/-0.016 χ^2/NDF:15.1/21

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/38

All: 0.007+/-0.010 χ^2/NDF: 76.0/78

- sign 0.002+/-0.014 χ^2/NDF: 26.1/39

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 57.426+/-0.011 χ^2/NDF:2183182.3/22

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

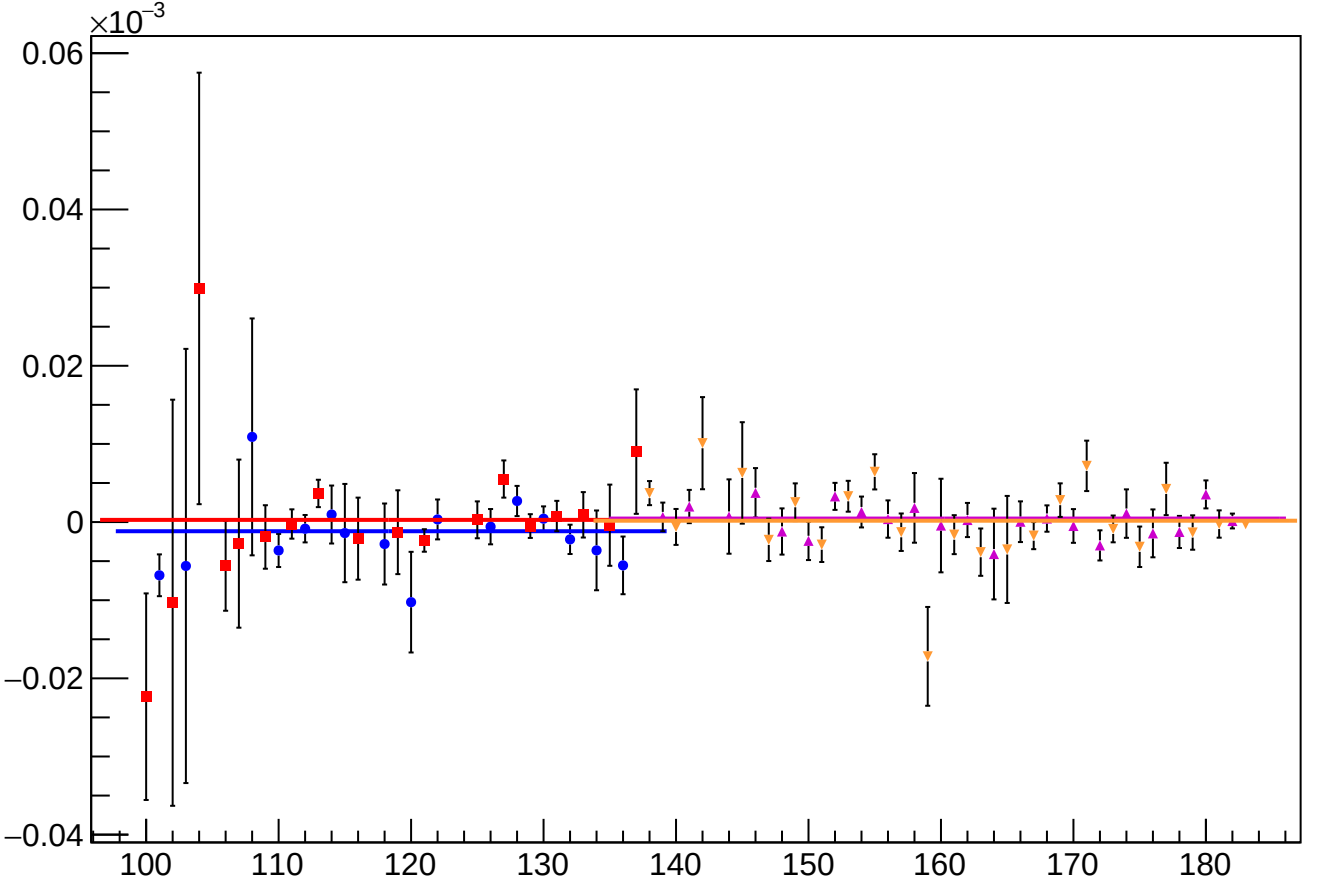
Left In: 59.693+/-0.011 χ^2/NDF:1329823.7/21

+ sign 59.651+/-0.010 χ^2/NDF: 4673776.8/38

All: 60.814+/-0.007 χ^2/NDF: 9209940.4/78

- sign 62.080+/-0.010 χ^2/NDF: 4505417.0/39

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

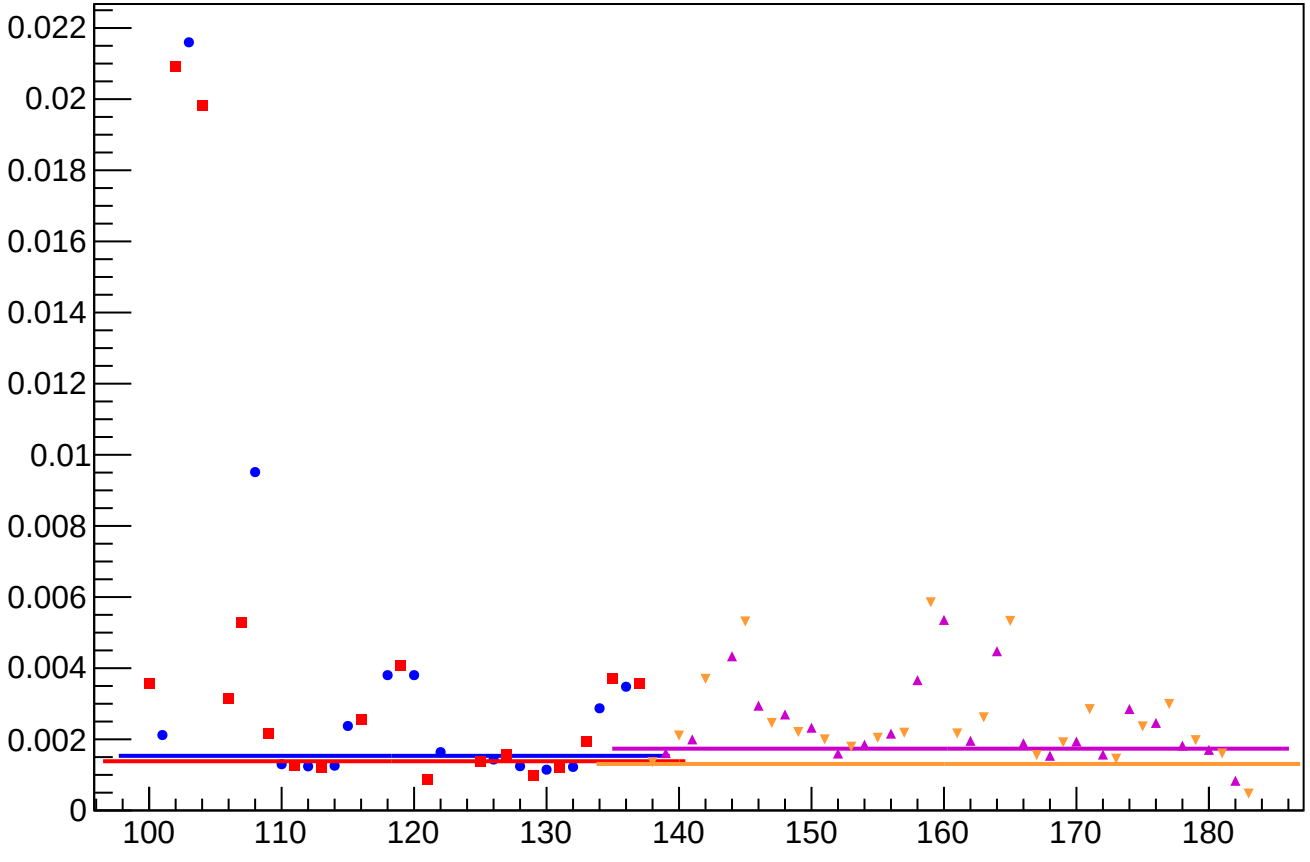
Left In: 0.000+/-0.000 χ^2/NDF:14.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 65.0/38

All: 0.000+/-0.000 χ^2/NDF: 100.3/78

- sign 0.000+/-0.000 χ^2/NDF: 34.1/39

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11260106.4/22

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

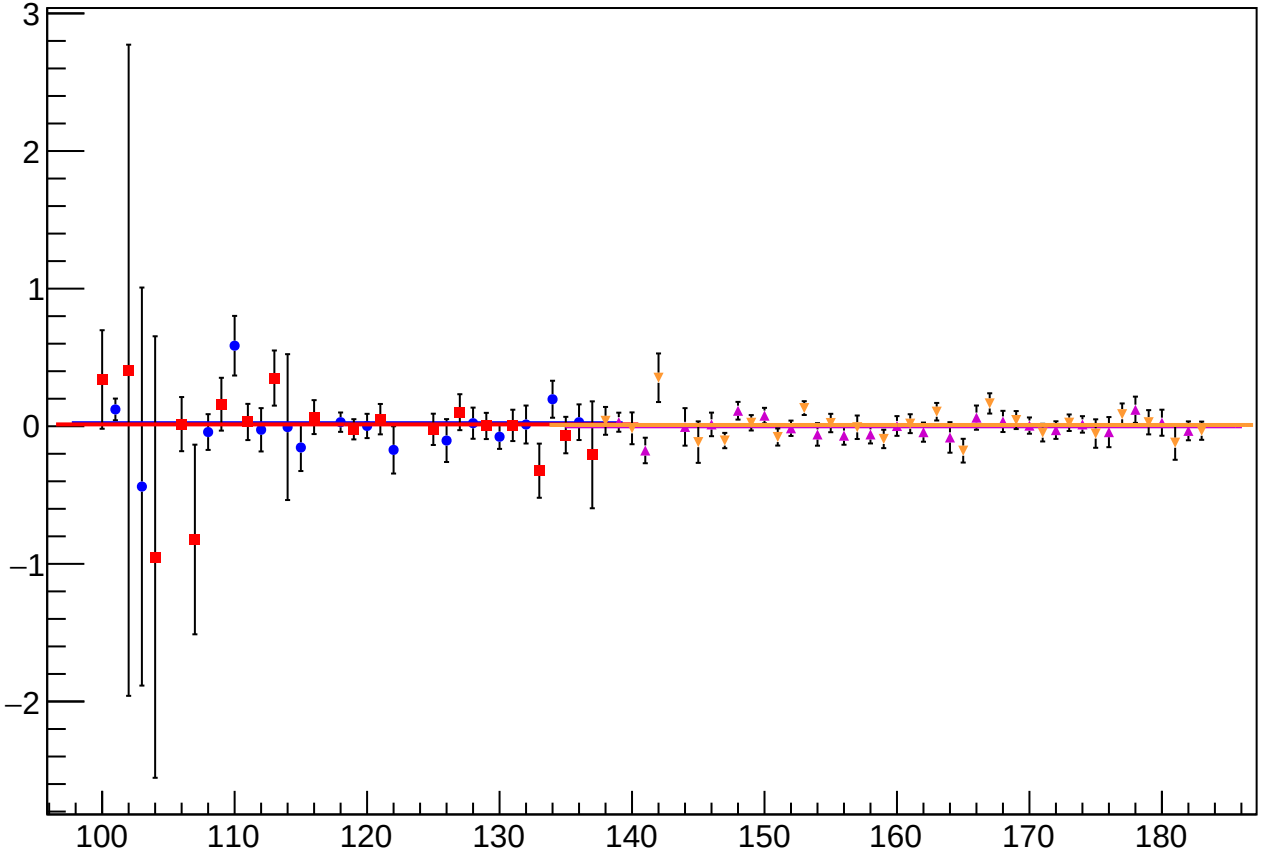
Left In: 0.002+/-0.000 χ^2/NDF:5157620.2/21

+ sign 0.001+/-0.000 χ^2/NDF: 14812511.0/38

All: 0.001+/-0.000 χ^2/NDF: 25183935.7/78

- sign 0.002+/-0.000 χ^2/NDF: 9839160.1/39

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/22

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

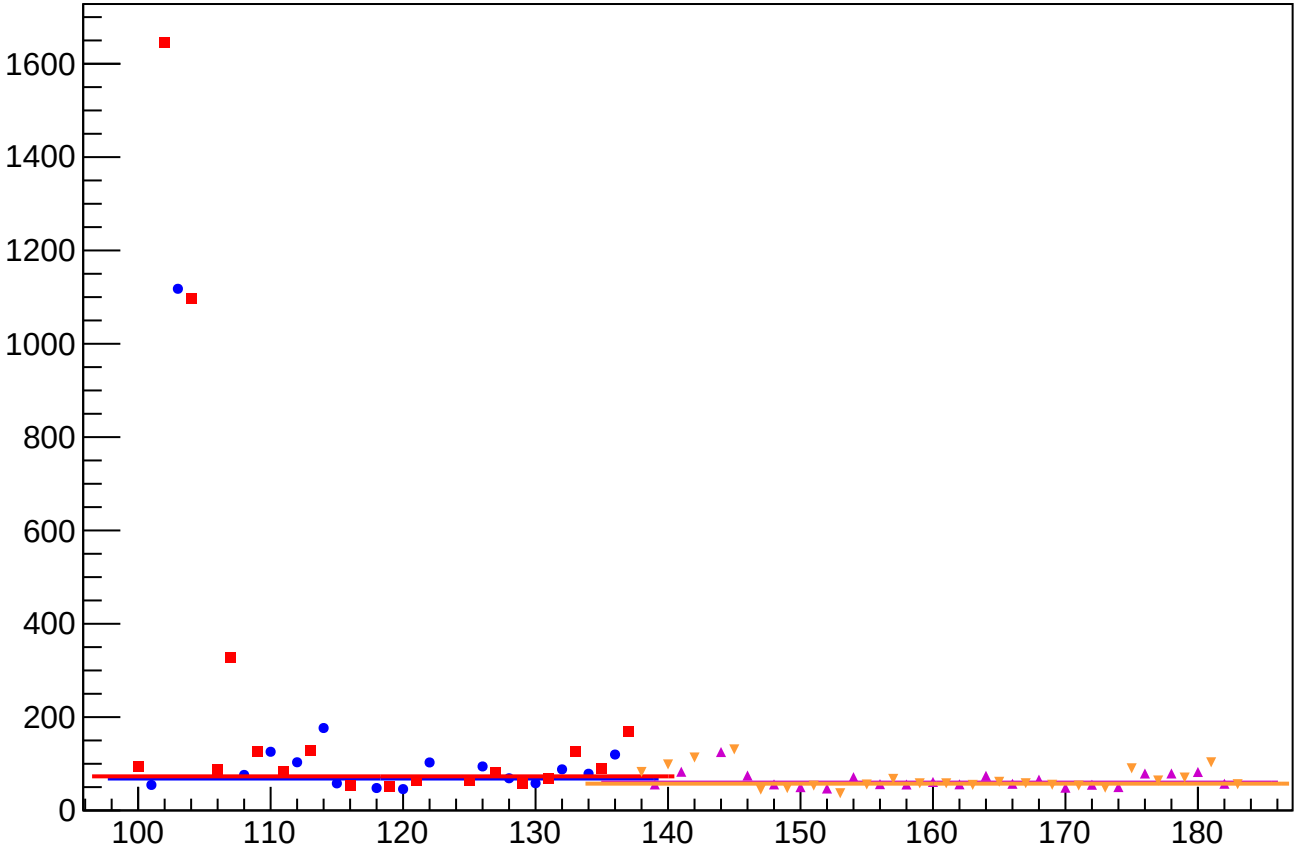
Left In: -0.000+/-0.016 χ^2/NDF:15.1/21

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/38

All: 0.007+/-0.010 χ^2/NDF: 76.0/78

- sign 0.002+/-0.014 χ^2/NDF: 26.1/39

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.426+/-0.011 χ^2/NDF:2183256.6/22

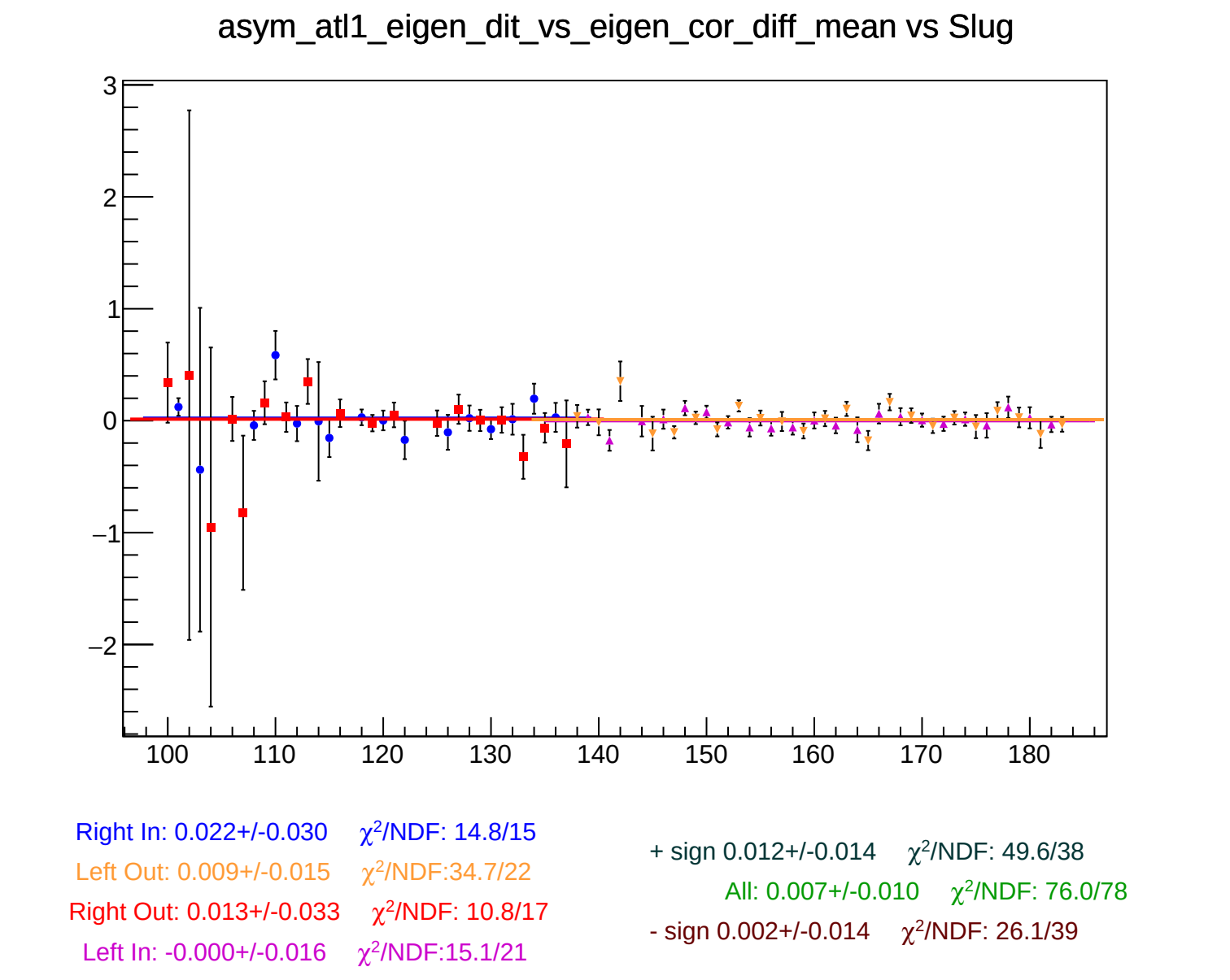
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.693+/-0.011 χ^2/NDF:1329808.3/21

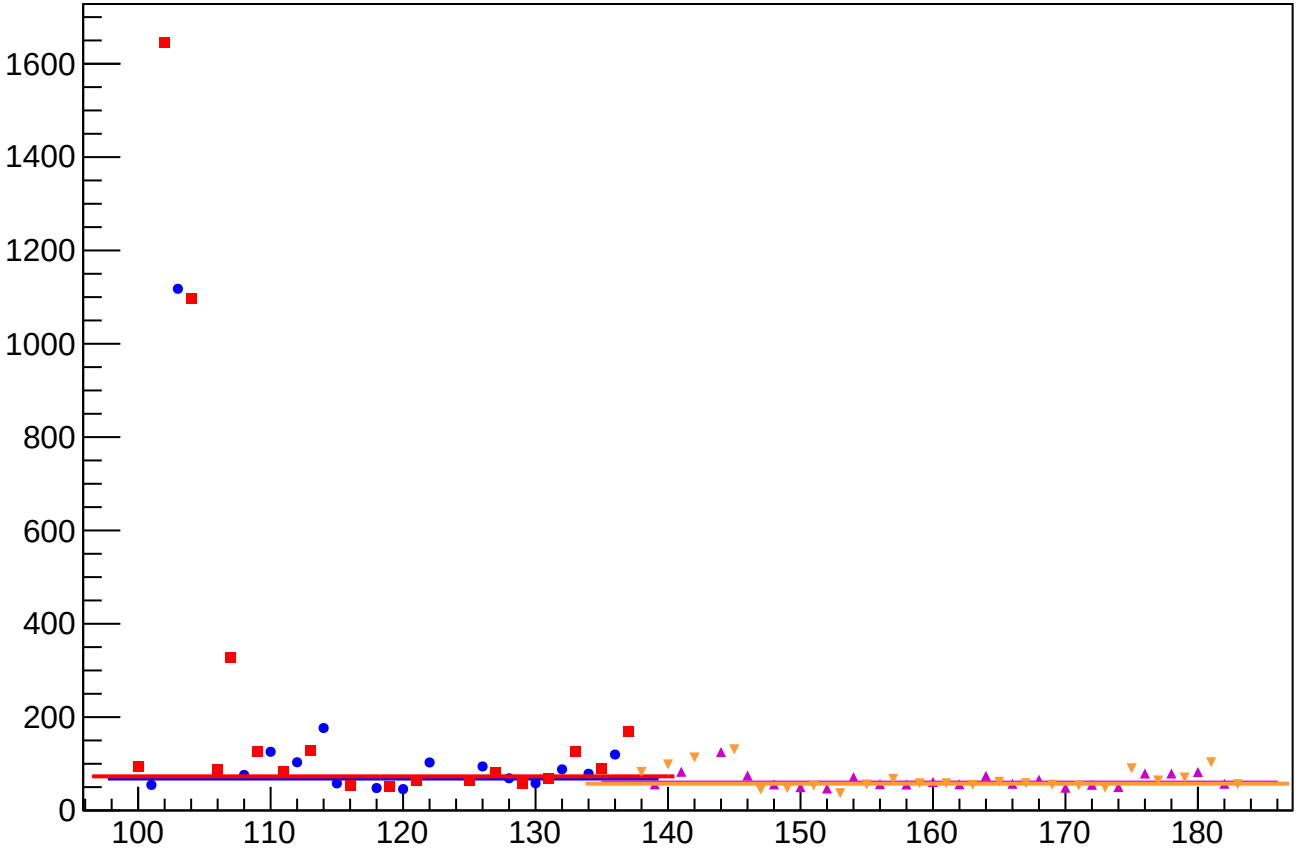
+ sign 59.651+/-0.010 χ^2/NDF: 4673900.6/38

All: 60.814+/-0.007 χ^2/NDF: 9210042.3/78

- sign 62.080+/-0.010 χ^2/NDF: 4505389.3/39


asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.009+/-0.015 χ²/NDF:34.7/22
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: -0.000+/-0.016 χ²/NDF:15.1/21
+ sign 0.012+/-0.014 χ²/NDF: 49.6/38
All: 0.007+/-0.010 χ²/NDF: 76.0/78
- sign 0.002+/-0.014 χ²/NDF: 26.1/39

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.426+/-0.011 χ^2/NDF:2183256.6/22

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

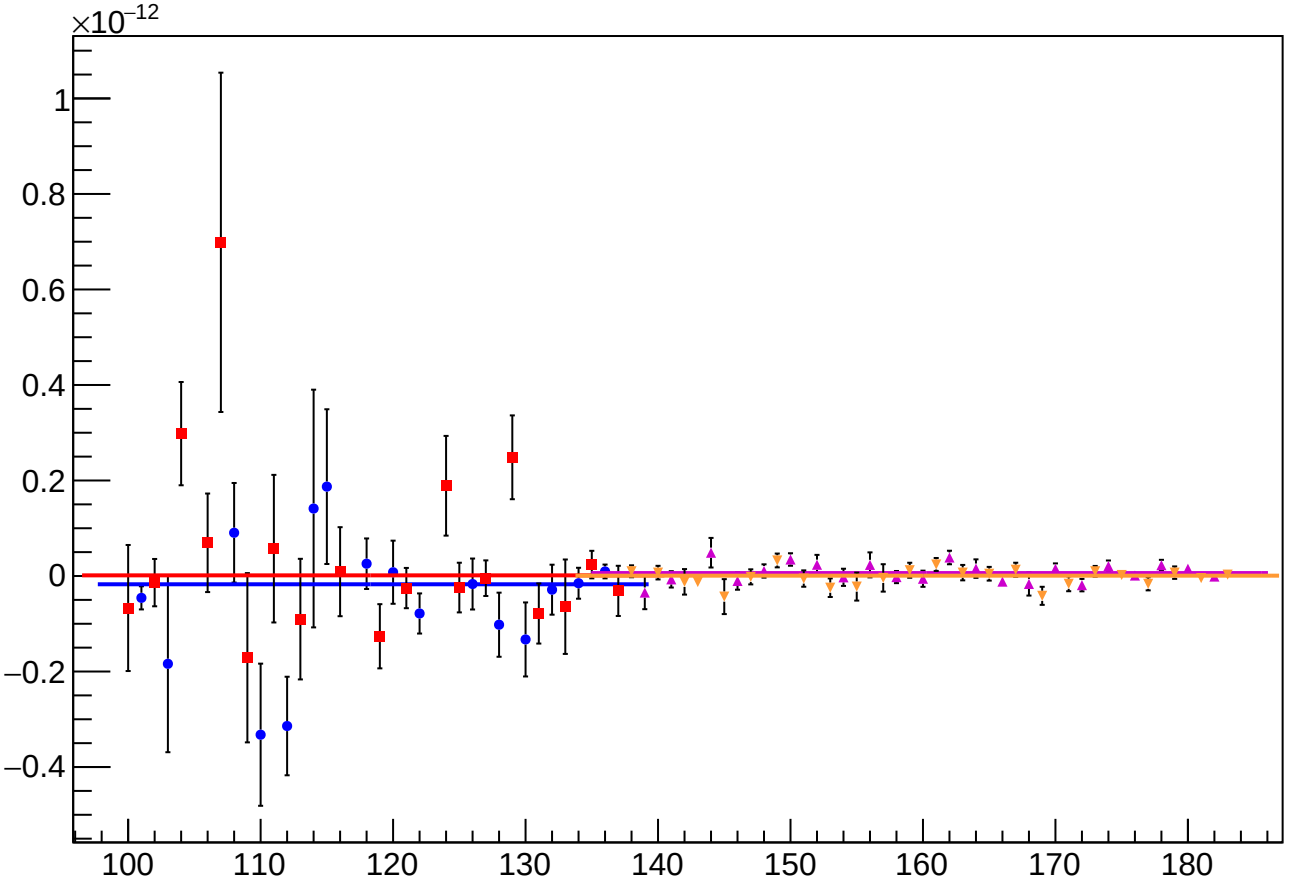
Left In: 59.693+/-0.011 χ^2/NDF:1329808.3/21

+ sign 59.651+/-0.010 χ^2/NDF: 4673900.6/38

All: 60.814+/-0.007 χ^2/NDF: 9210042.3/78

- sign 62.080+/-0.010 χ^2/NDF: 4505389.3/39

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.6/23

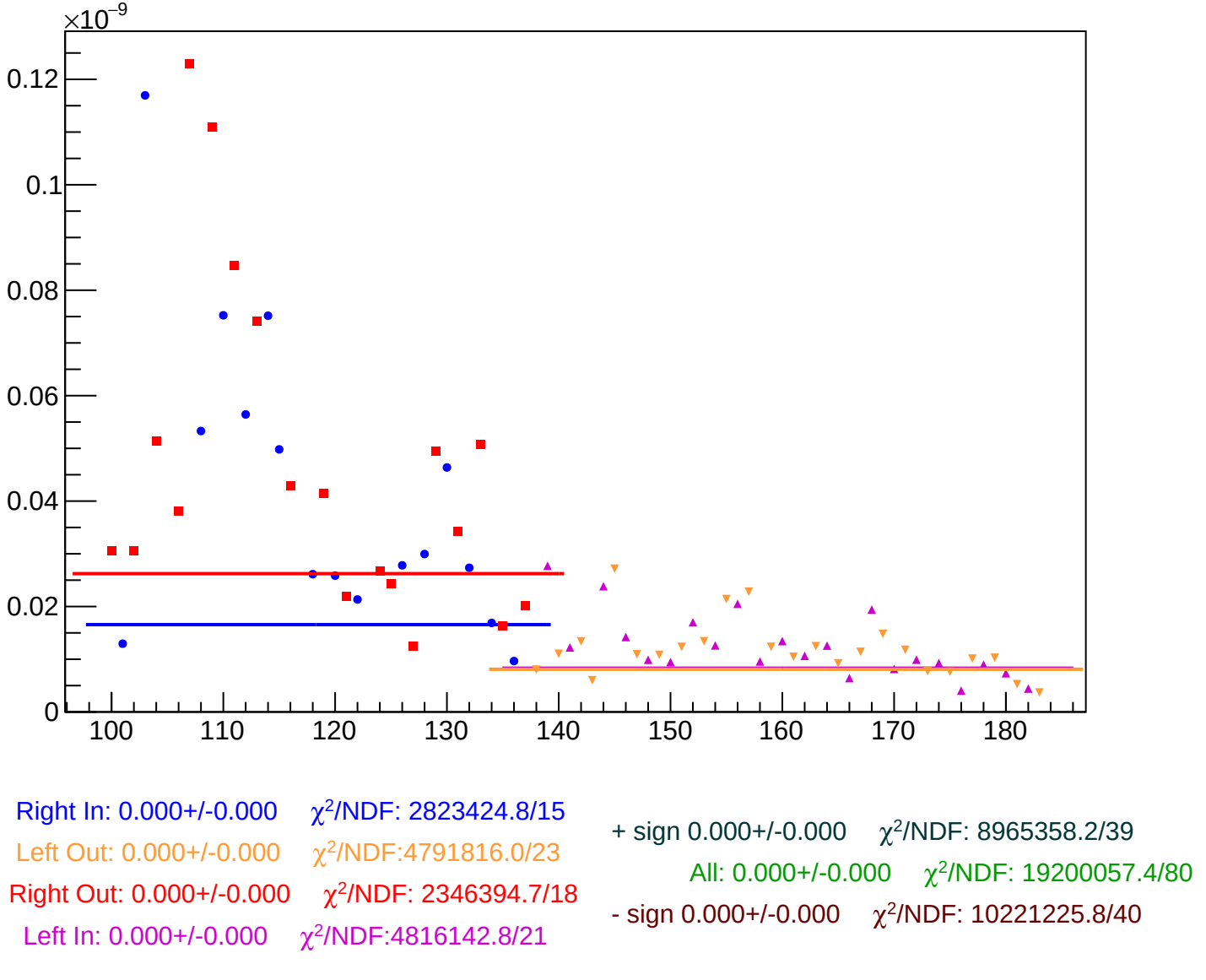
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:32.4/21

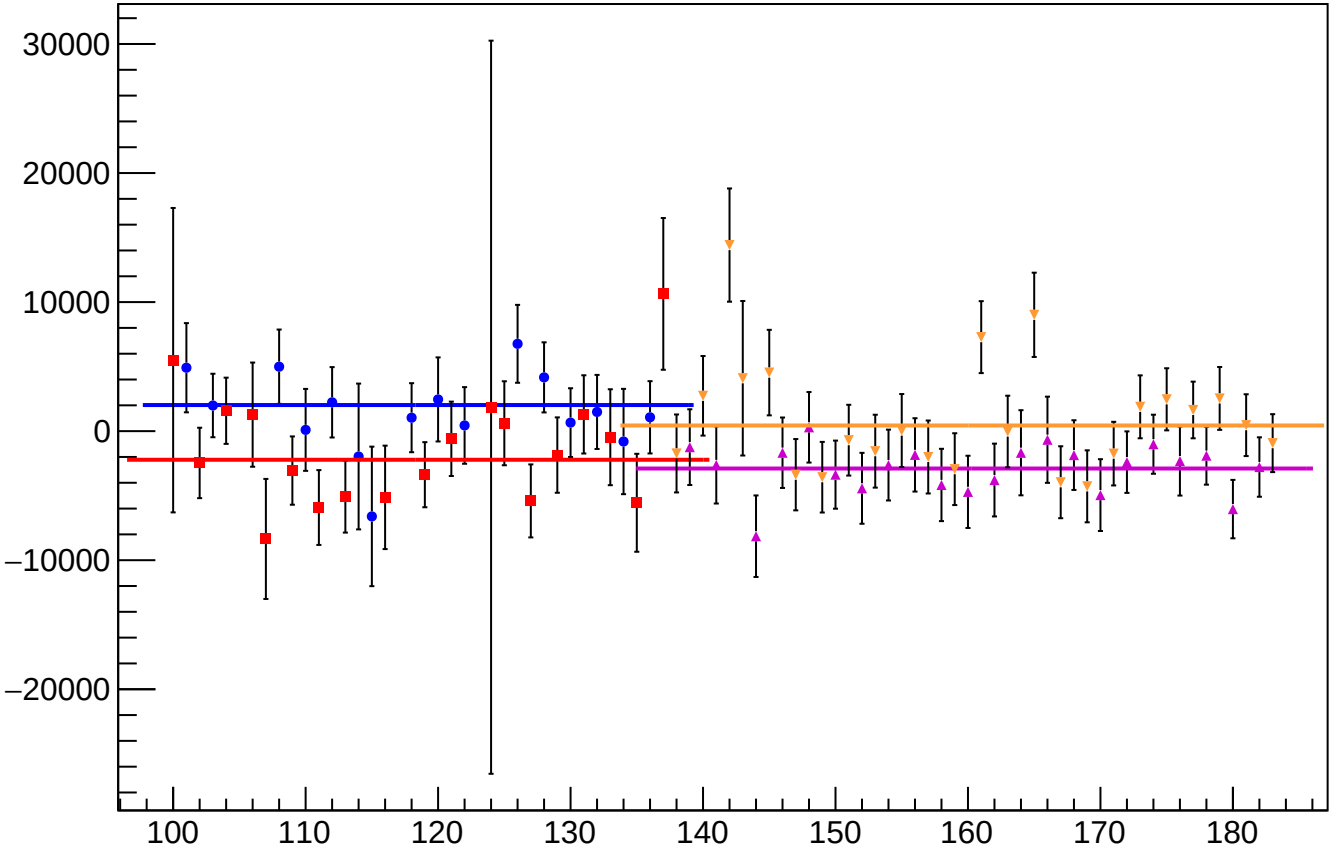
+ sign -0.000+/-0.000 χ^2/NDF: 56.9/39

All: 0.000+/-0.000 χ^2/NDF: 124.9/80

- sign 0.000+/-0.000 χ^2/NDF: 64.8/40


asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2823424.8/15
Left Out: 0.000+/-0.000 χ²/NDF:4791816.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:4816142.8/21
+ sign 0.000+/-0.000 χ²/NDF: 8965358.2/39
All: 0.000+/-0.000 χ²/NDF: 19200057.4/80
- sign 0.000+/-0.000 χ²/NDF: 10221225.8/40

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 439.270+/-563.247 χ^2/NDF:41.7/23

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

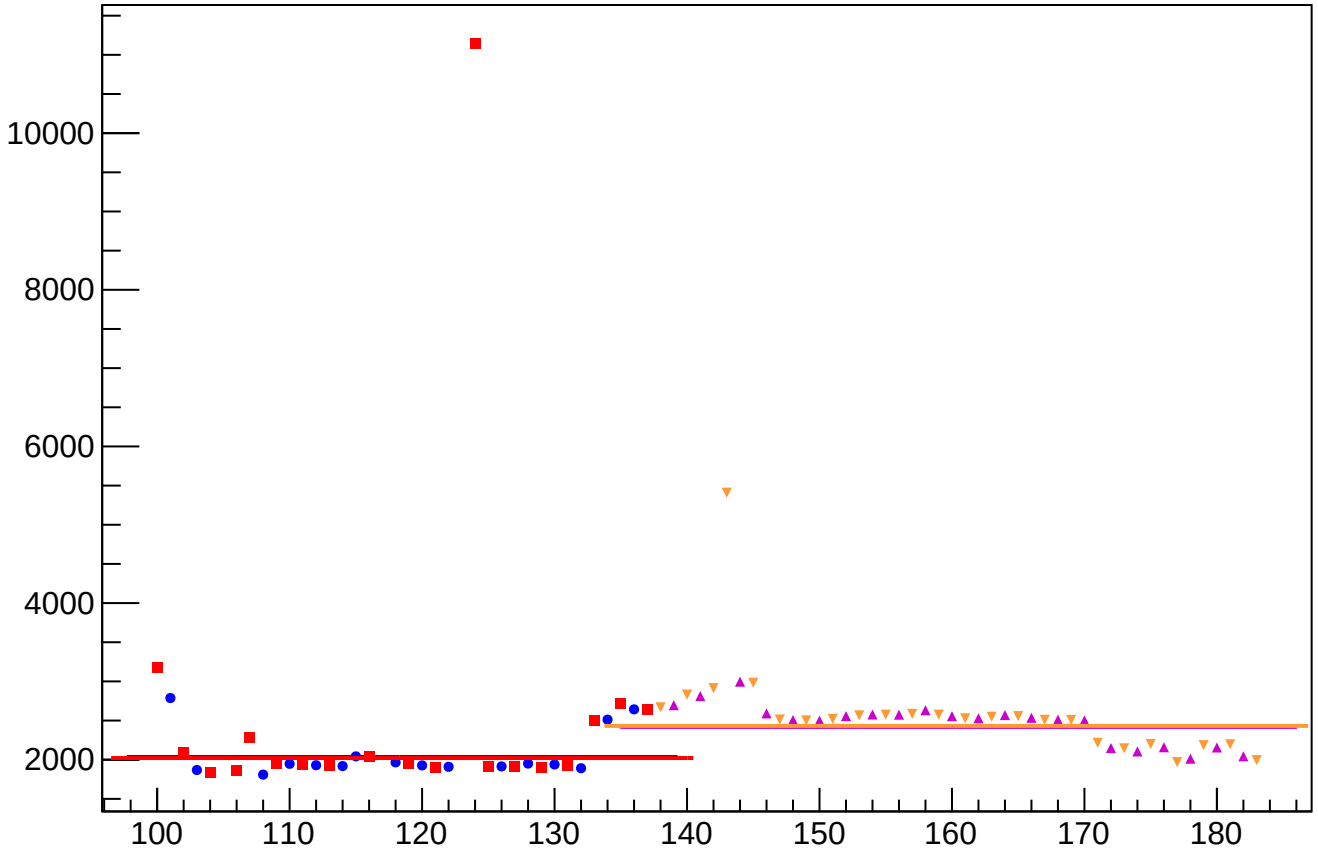
Left In: -2896.195+/-572.895 χ^2/NDF:10.0/21

+ sign 996.499+/-453.435 χ^2/NDF: 54.0/39

All: -813.242+/-321.751 χ^2/NDF: 114.8/80

- sign -2648.592+/-456.632 χ^2/NDF: 28.7/40

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2432.013+/-0.398 χ^2/NDF:923590.8/23

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

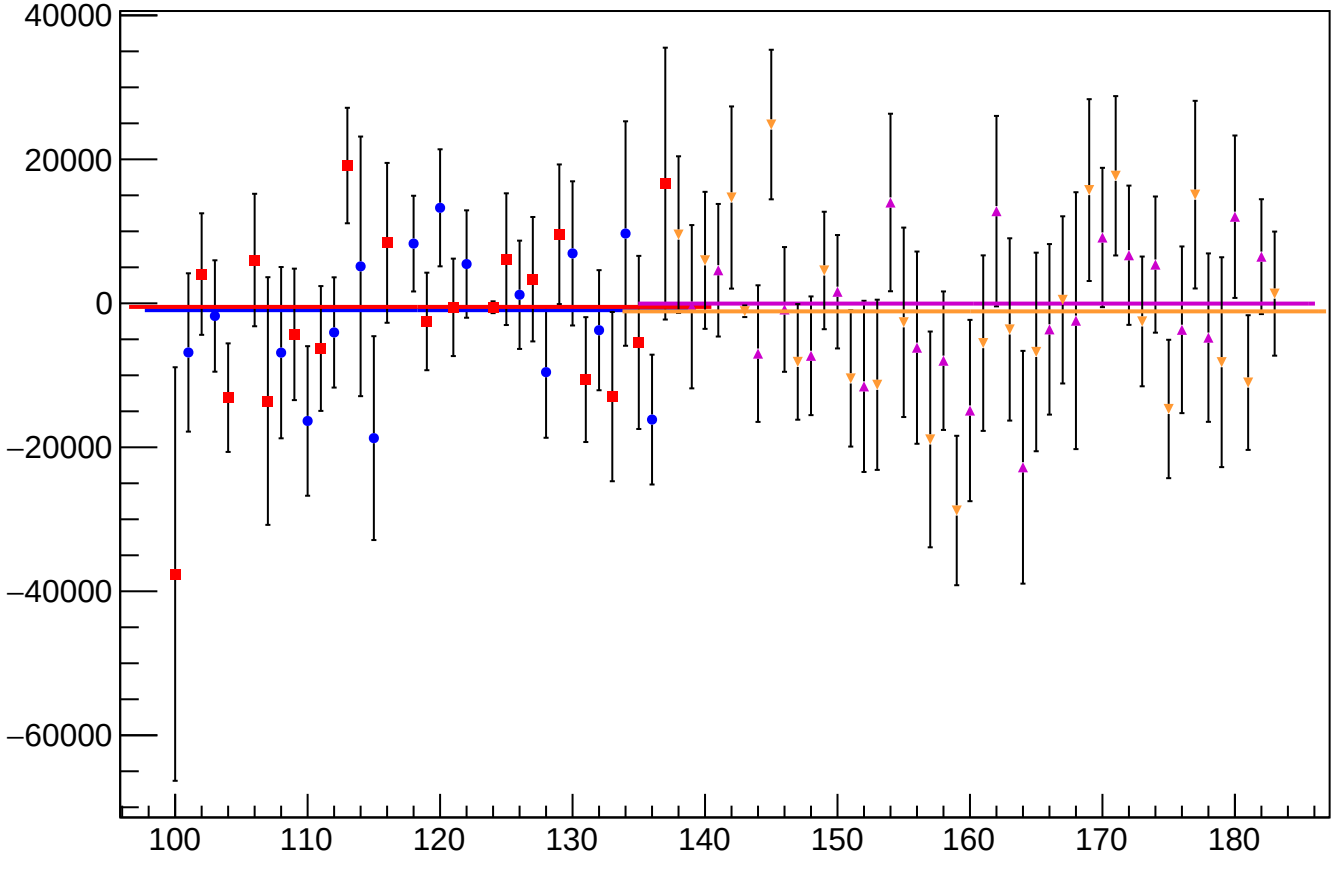
Left In: 2418.922+/-0.405 χ^2/NDF:406628.2/21

+ sign 2292.002+/-0.321 χ^2/NDF: 1537722.2/39

All: 2283.065+/-0.228 χ^2/NDF: 2687162.6/80

- sign 2274.001+/-0.323 χ^2/NDF: 1147875.3/40

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1118.134+/-758.754 χ^2/NDF:30.8/23

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

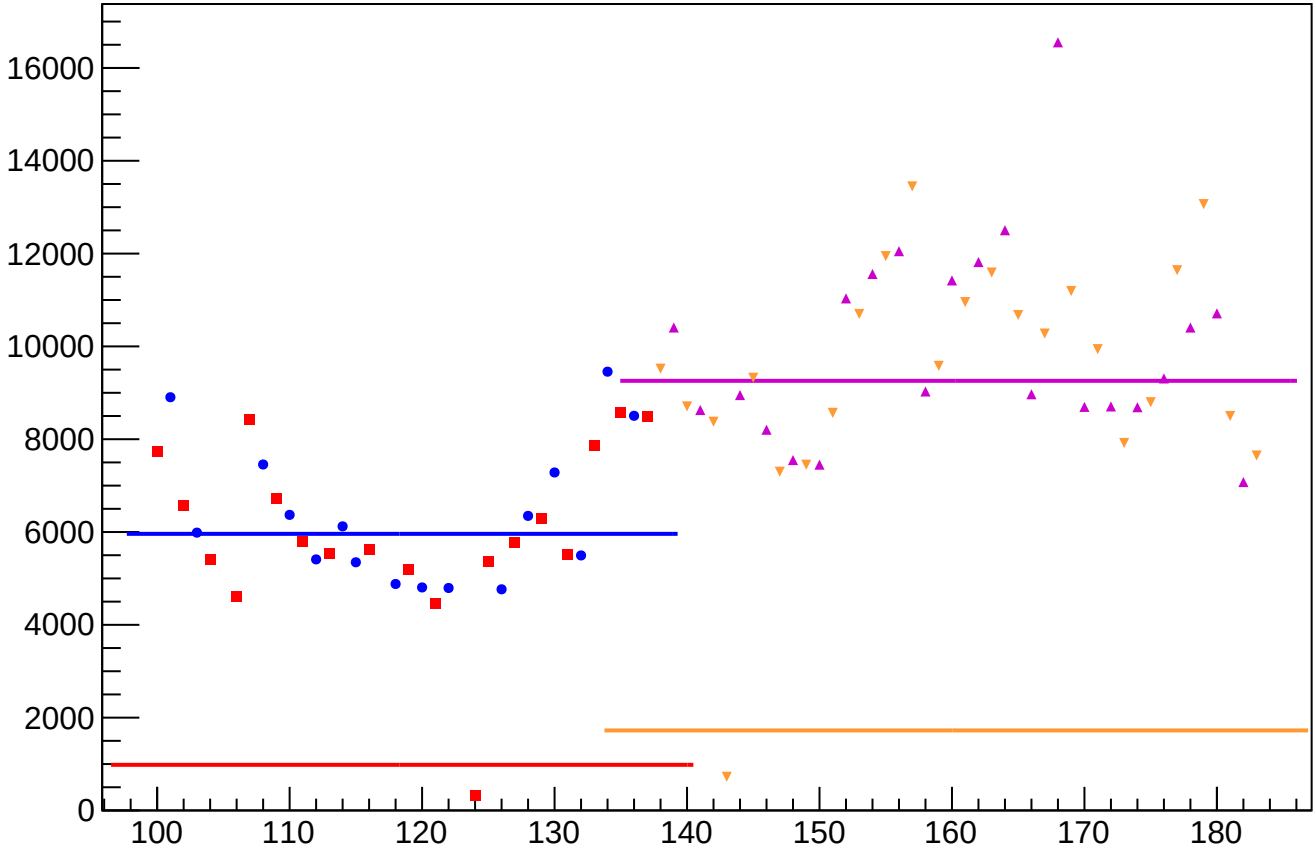
Left In: -37.794+/-2225.488 χ^2/NDF:12.9/21

+ sign -1101.403+/-719.889 χ^2/NDF: 46.2/39

All: -777.769+/-511.265 χ^2/NDF: 78.0/80

- sign -448.410+/-726.229 χ^2/NDF: 31.4/40

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1724.689+/-0.537 χ^2/NDF:27423858.8/23

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

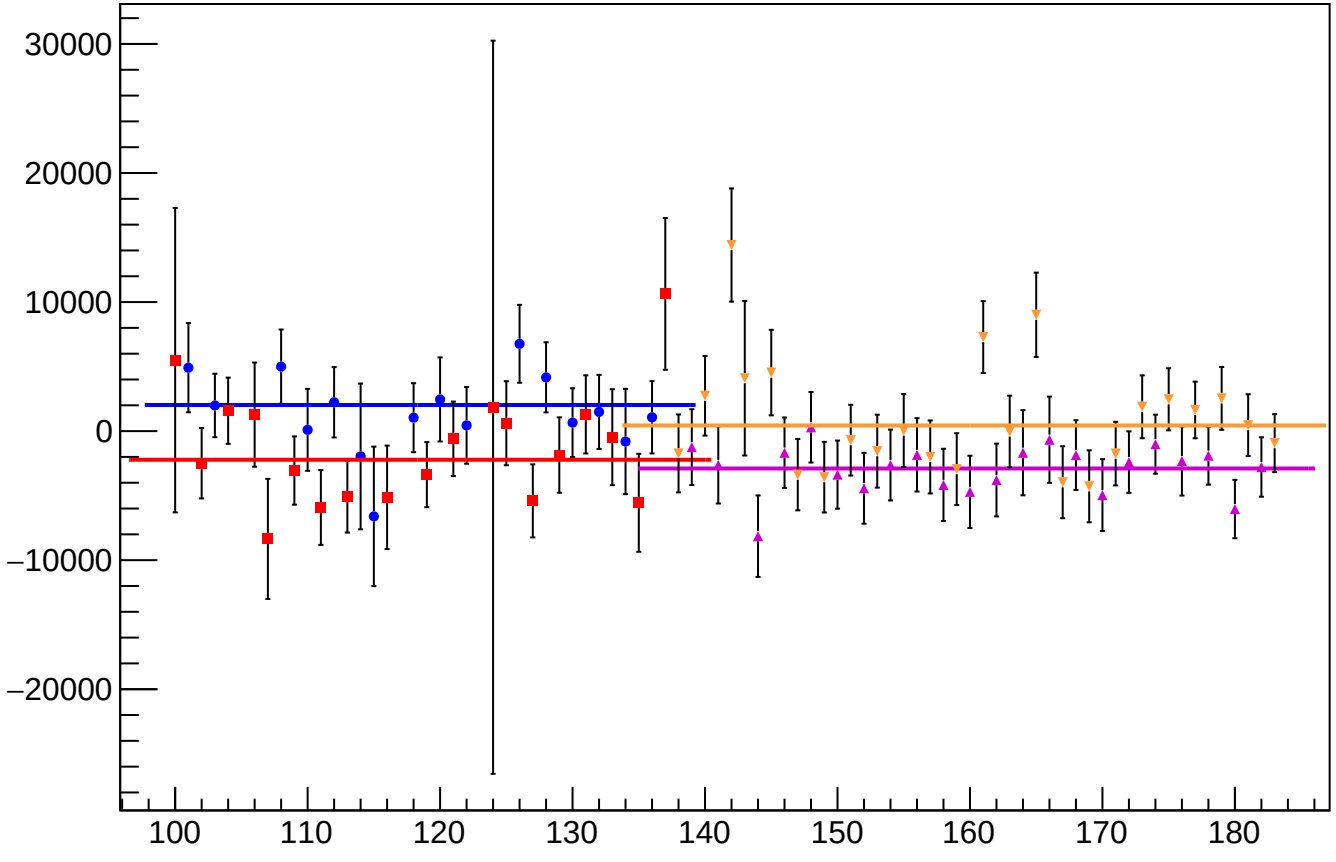
Left In: 9258.144+/-1.574 χ^2/NDF:1228088.3/21

+ sign 2147.541+/-0.509 χ^2/NDF: 34335899.1/39

All: 2007.250+/-0.362 χ^2/NDF: 71839699.0/8

- sign 1864.478+/-0.514 χ^2/NDF: 37350547.2/40

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 439.250+/-563.247 χ^2/NDF:41.7/23

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

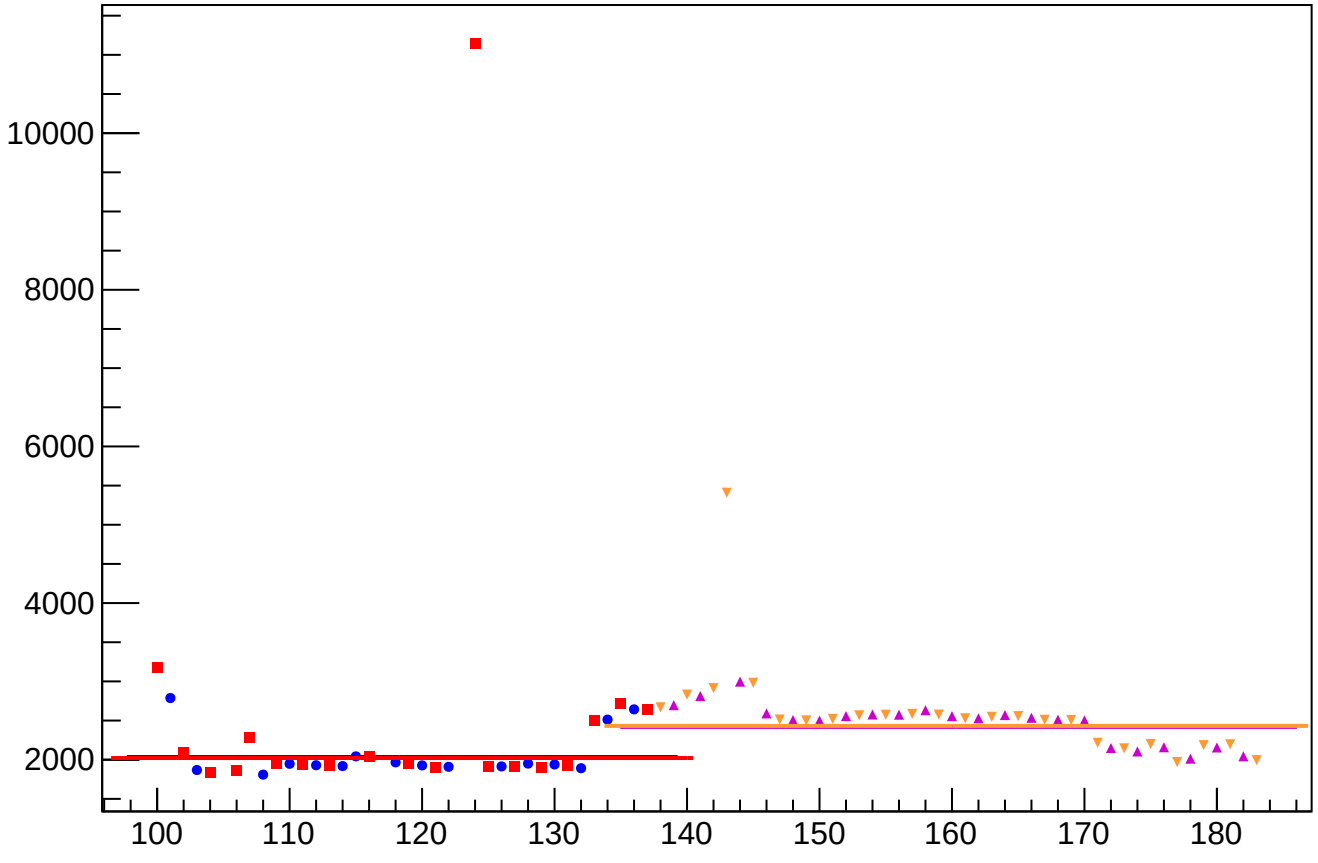
Left In: -2896.142+/-572.895 χ^2/NDF:10.0/21

+ sign 996.531+/-453.435 χ^2/NDF: 54.1/39

All: -813.537+/-321.752 χ^2/NDF: 114.8/80

- sign -2649.231+/-456.634 χ^2/NDF: 28.7/40

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2432.013+/-0.398 χ^2/NDF:923590.8/23

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

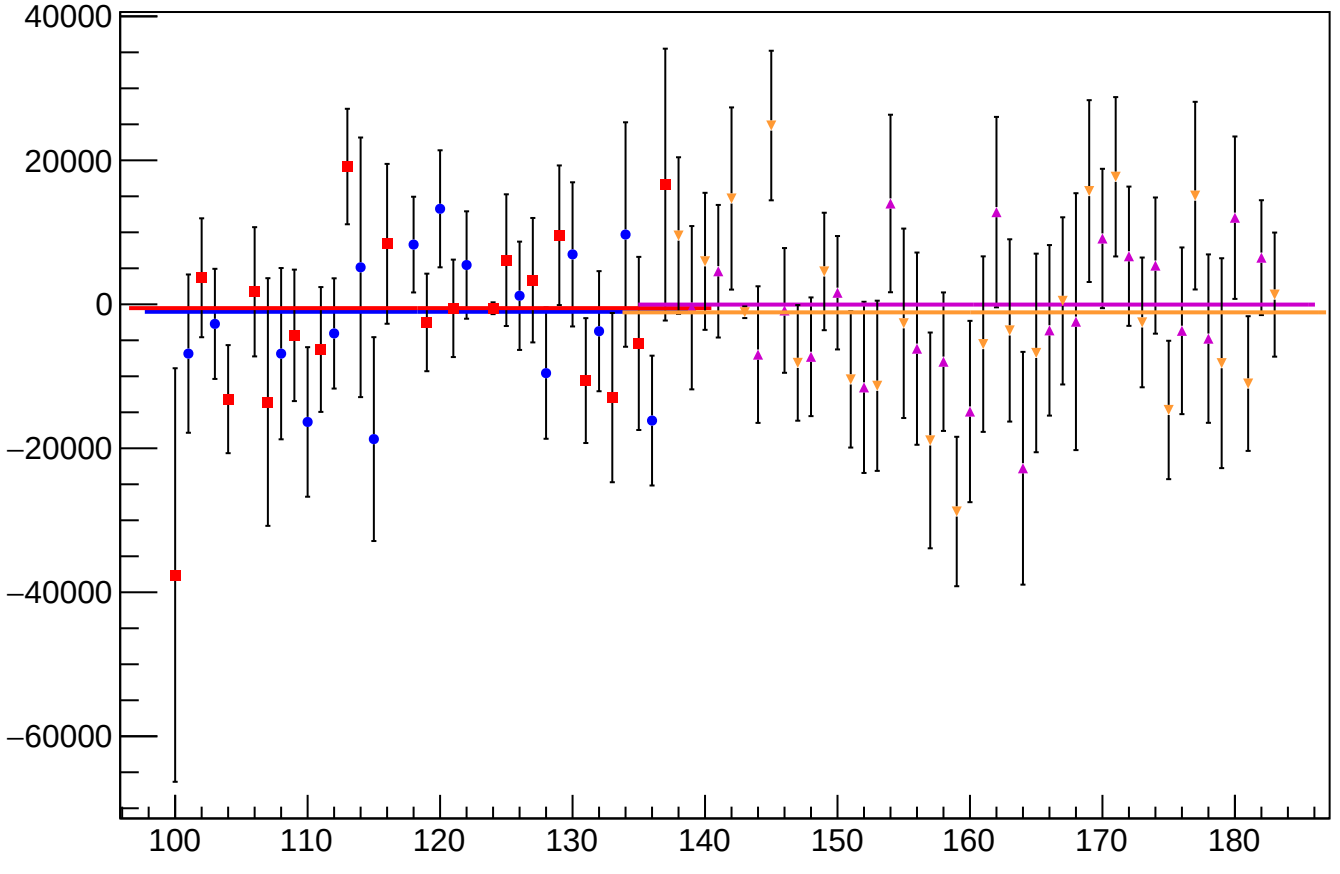
Left In: 2418.922+/-0.405 χ^2/NDF:406628.2/21

+ sign 2292.002+/-0.321 χ^2/NDF: 1537722.3/39

All: 2283.070+/-0.228 χ^2/NDF: 2687130.2/80

- sign 2274.011+/-0.323 χ^2/NDF: 1147844.6/40

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1117.902+/-758.689 χ^2/NDF:30.8/23

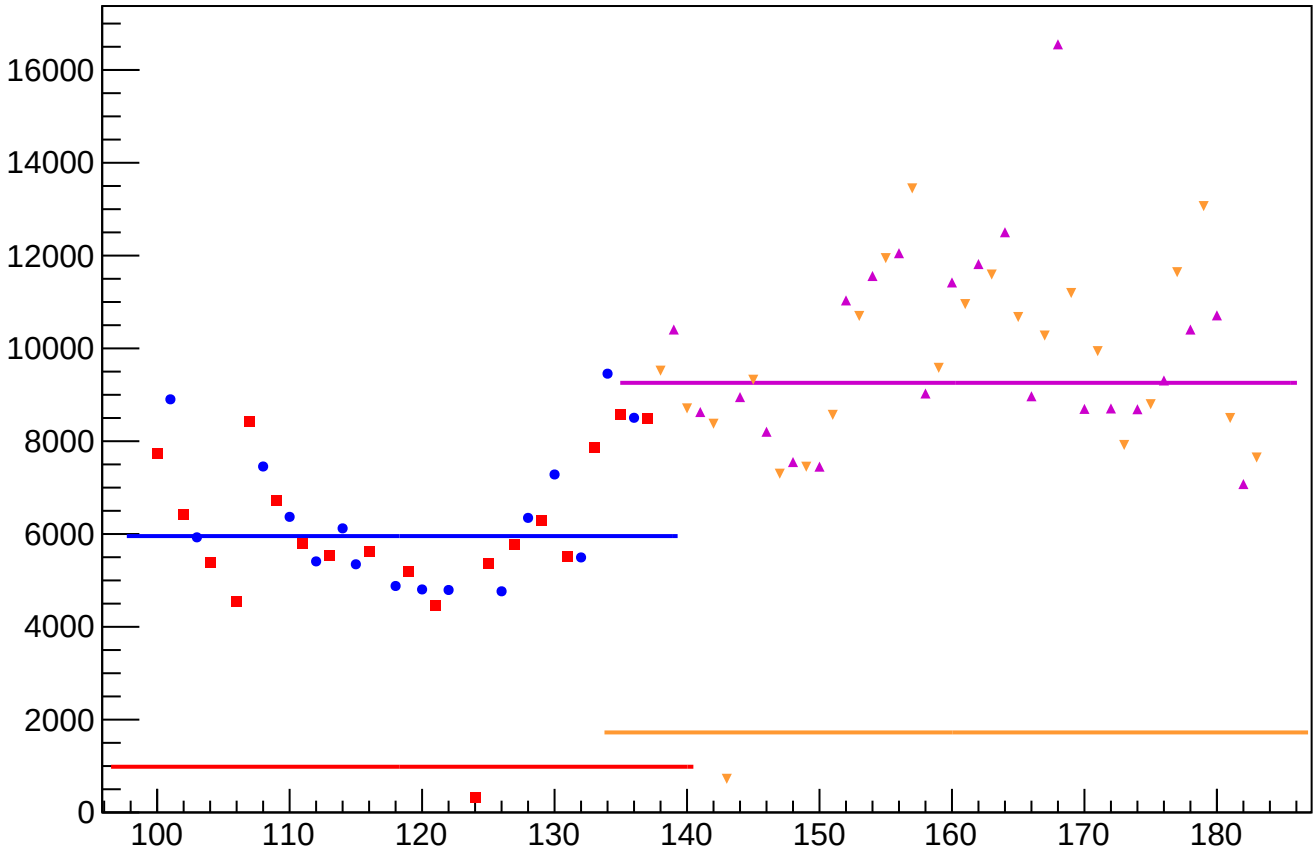
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -37.946+/-2225.485 χ^2/NDF:12.9/21

+ sign -1109.907+/-719.759 χ^2/NDF: 46.2/39

All: -796.773+/-511.119 χ^2/NDF: 77.6/80

- sign -478.235+/-725.942 χ^2/NDF: 31.0/40



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1724.456+/-0.536 χ^2/NDF:27424880.2/23

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

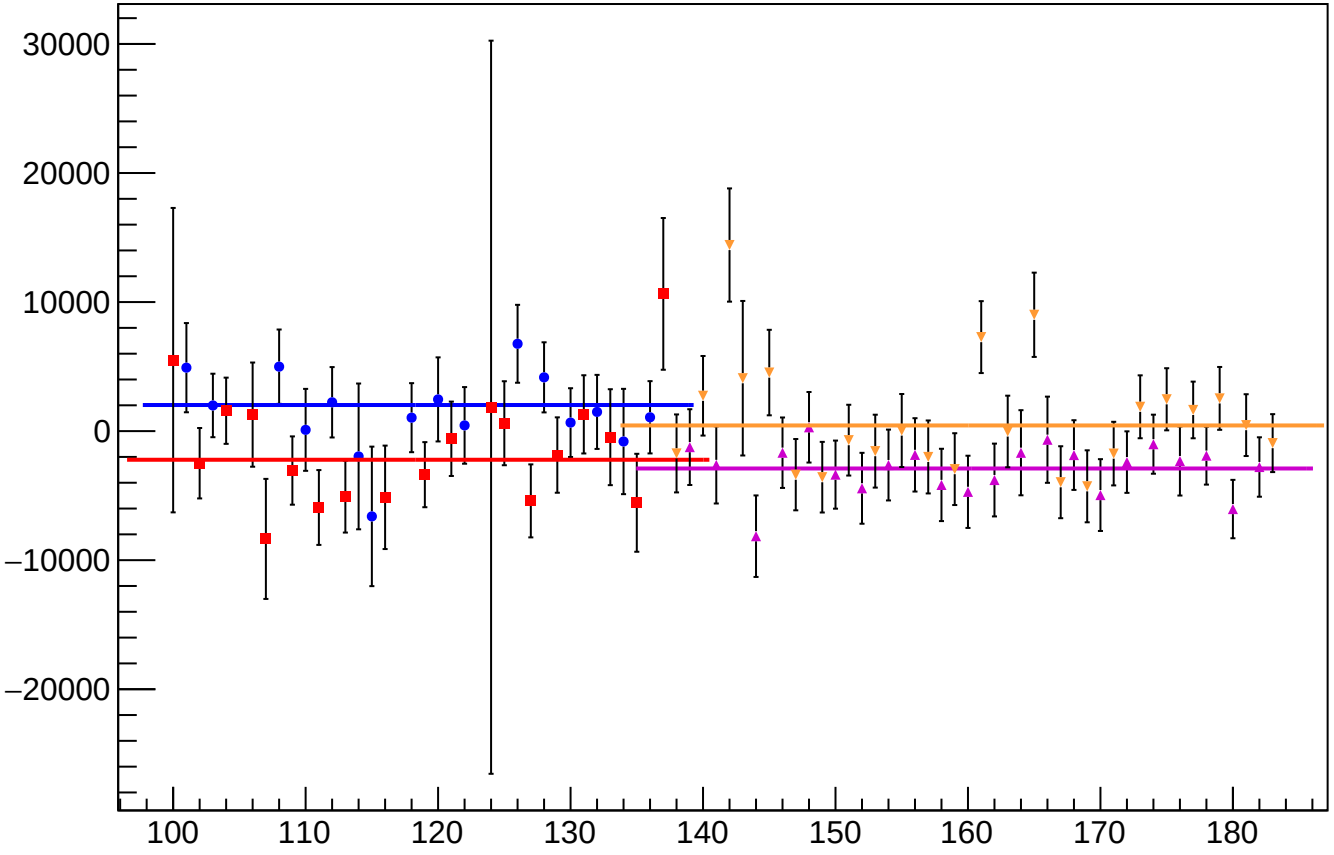
Left In: 9258.132+/-1.574 χ^2/NDF:1228099.0/21

+ sign 2147.537+/-0.509 χ^2/NDF: 34333971.4/39

All: 2007.639+/-0.361 χ^2/NDF: 71825081.9/8

- sign 1865.328+/-0.513 χ^2/NDF: 37338692.4/40

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 439.250+/-563.247 χ^2/NDF:41.7/23

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

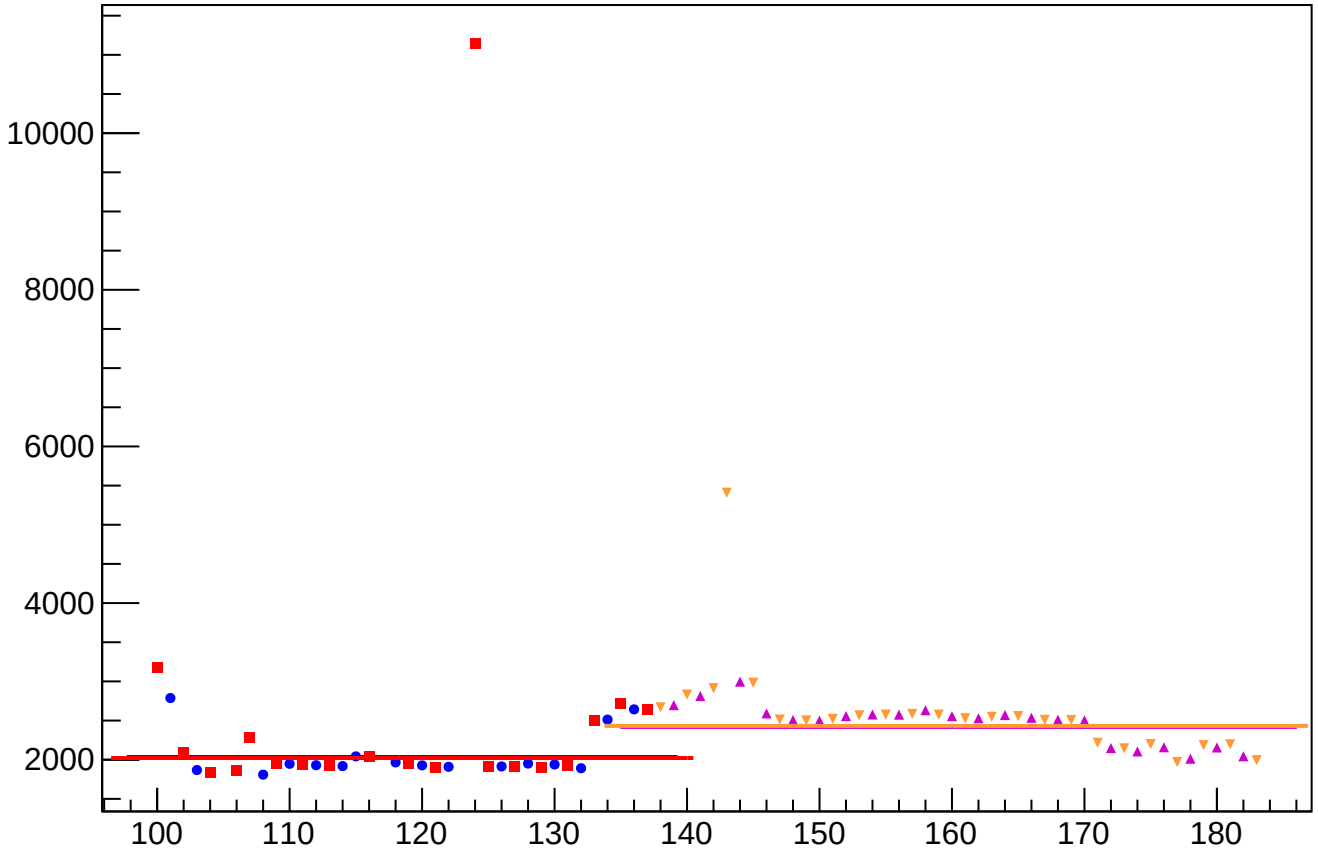
Left In: -2896.142+/-572.895 χ^2/NDF:10.0/21

+ sign 996.531+/-453.435 χ^2/NDF: 54.1/39

All: -813.537+/-321.752 χ^2/NDF: 114.8/80

- sign -2649.231+/-456.634 χ^2/NDF: 28.7/40

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2432.013+/-0.398 χ^2/NDF:923590.8/23

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

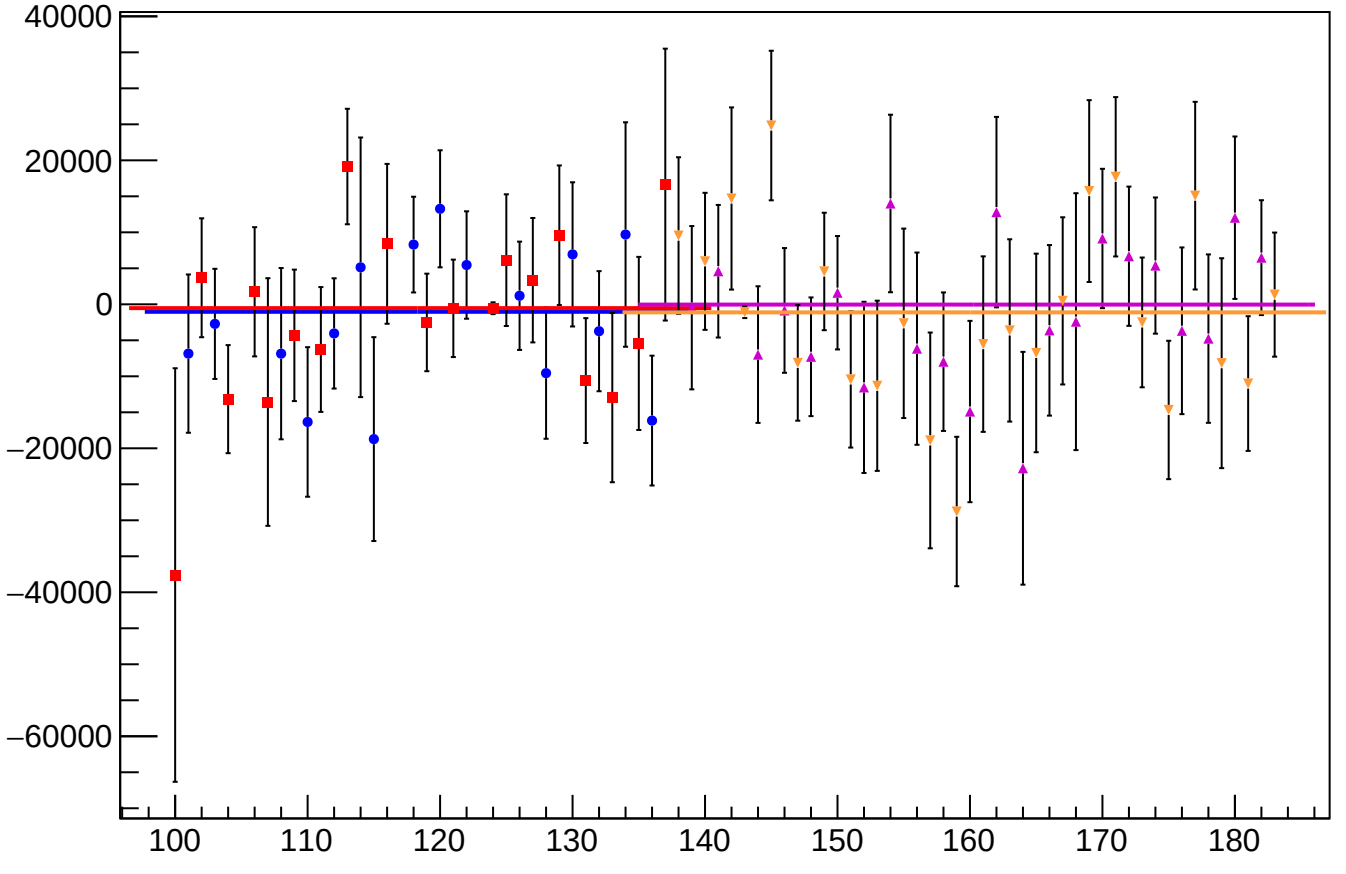
Left In: 2418.922+/-0.405 χ^2/NDF:406628.2/21

+ sign 2292.002+/-0.321 χ^2/NDF: 1537722.3/39

All: 2283.070+/-0.228 χ^2/NDF: 2687130.2/80

- sign 2274.011+/-0.323 χ^2/NDF: 1147844.6/40

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1117.902+/-758.689 χ^2/NDF:30.8/23

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

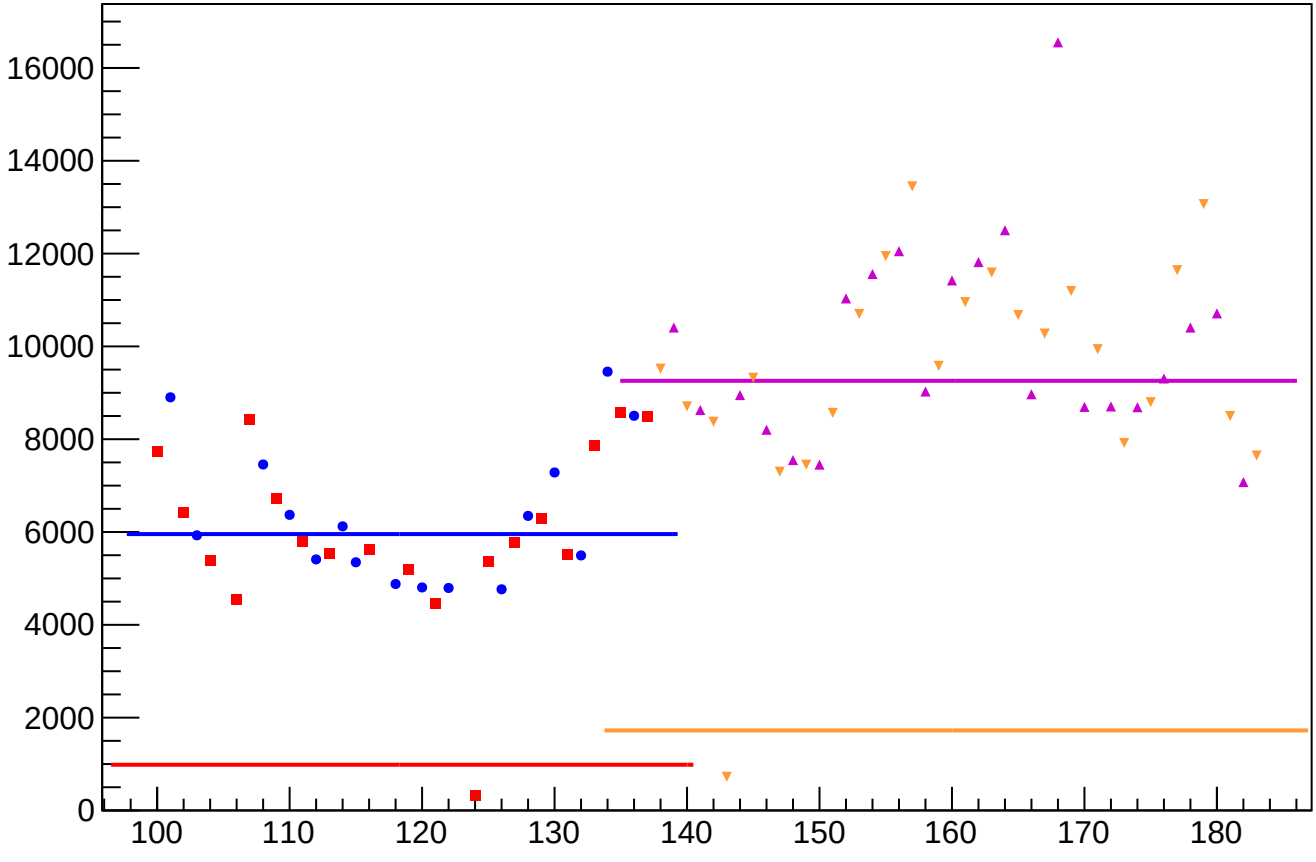
Left In: -37.946+/-2225.485 χ^2/NDF:12.9/21

+ sign -1109.907+/-719.759 χ^2/NDF: 46.2/39

All: -796.773+/-511.119 χ^2/NDF: 77.6/80

- sign -478.235+/-725.942 χ^2/NDF: 31.0/40

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1724.456+/-0.536 χ^2/NDF:27424880.2/23

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

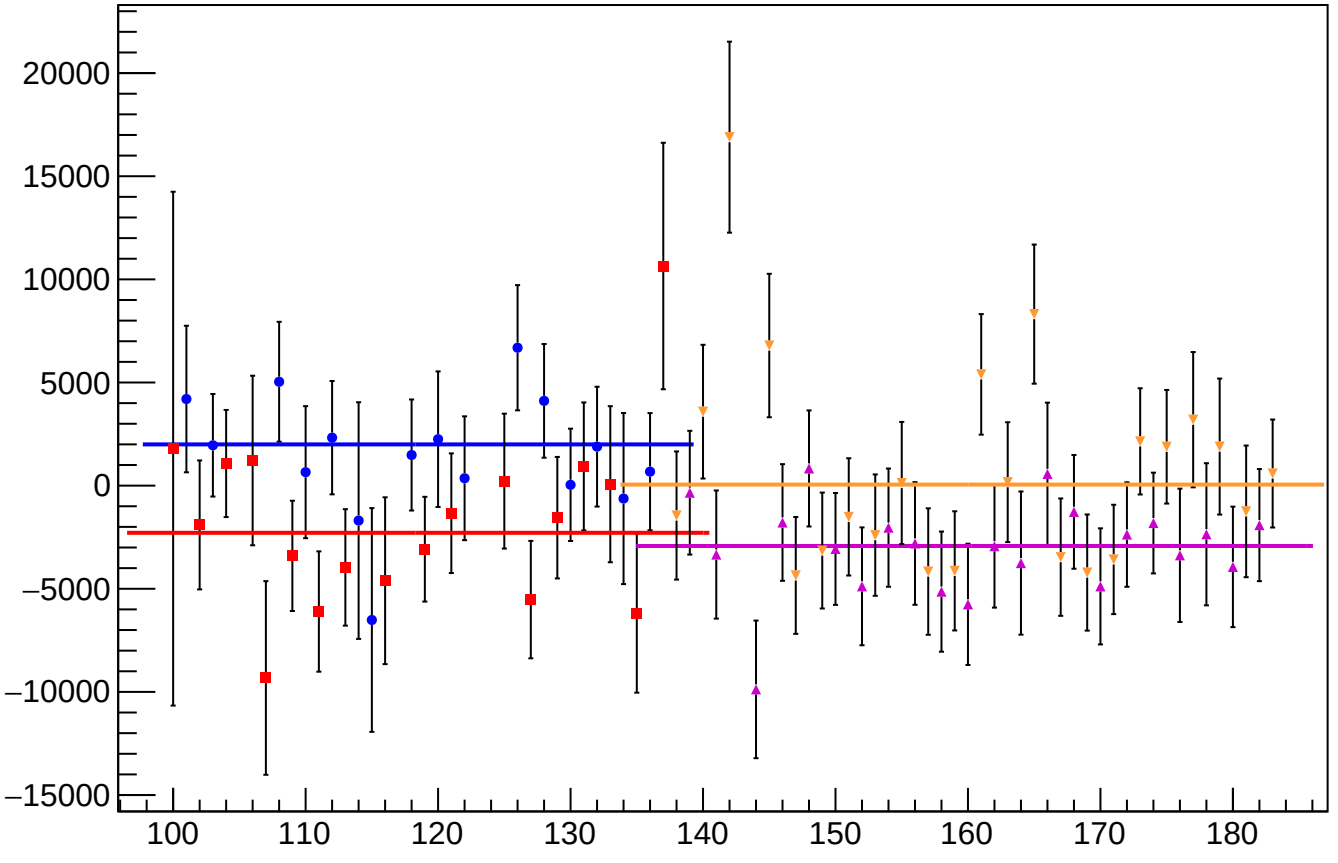
Left In: 9258.132+/-1.574 χ^2/NDF:1228099.0/21

+ sign 2147.537+/-0.509 χ^2/NDF: 34333971.4/39

All: 2007.639+/-0.361 χ^2/NDF: 71825081.9/8

- sign 1865.328+/-0.513 χ^2/NDF: 37338692.4/40

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 51.004+/-621.828 χ^2/NDF:44.7/22

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

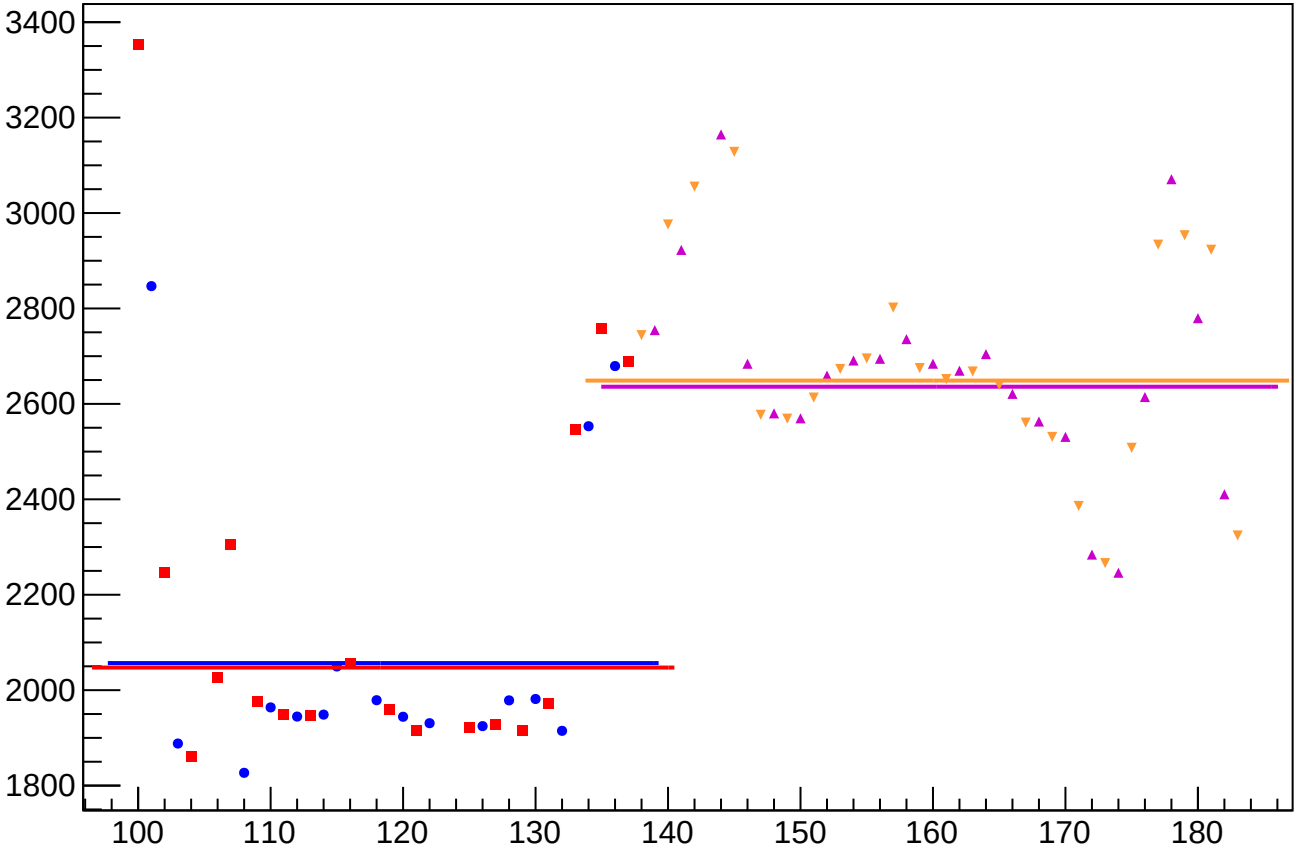
Left In: -2925.633+/-622.958 χ^2/NDF:11.6/21

+ sign 815.767+/-484.649 χ^2/NDF: 57.6/38

All: -928.721+/-342.691 χ^2/NDF: 112.2/78

- sign -2673.068+/-484.629 χ^2/NDF: 28.7/39

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2648.878+/-0.440 χ^2/NDF:236914.4/22

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

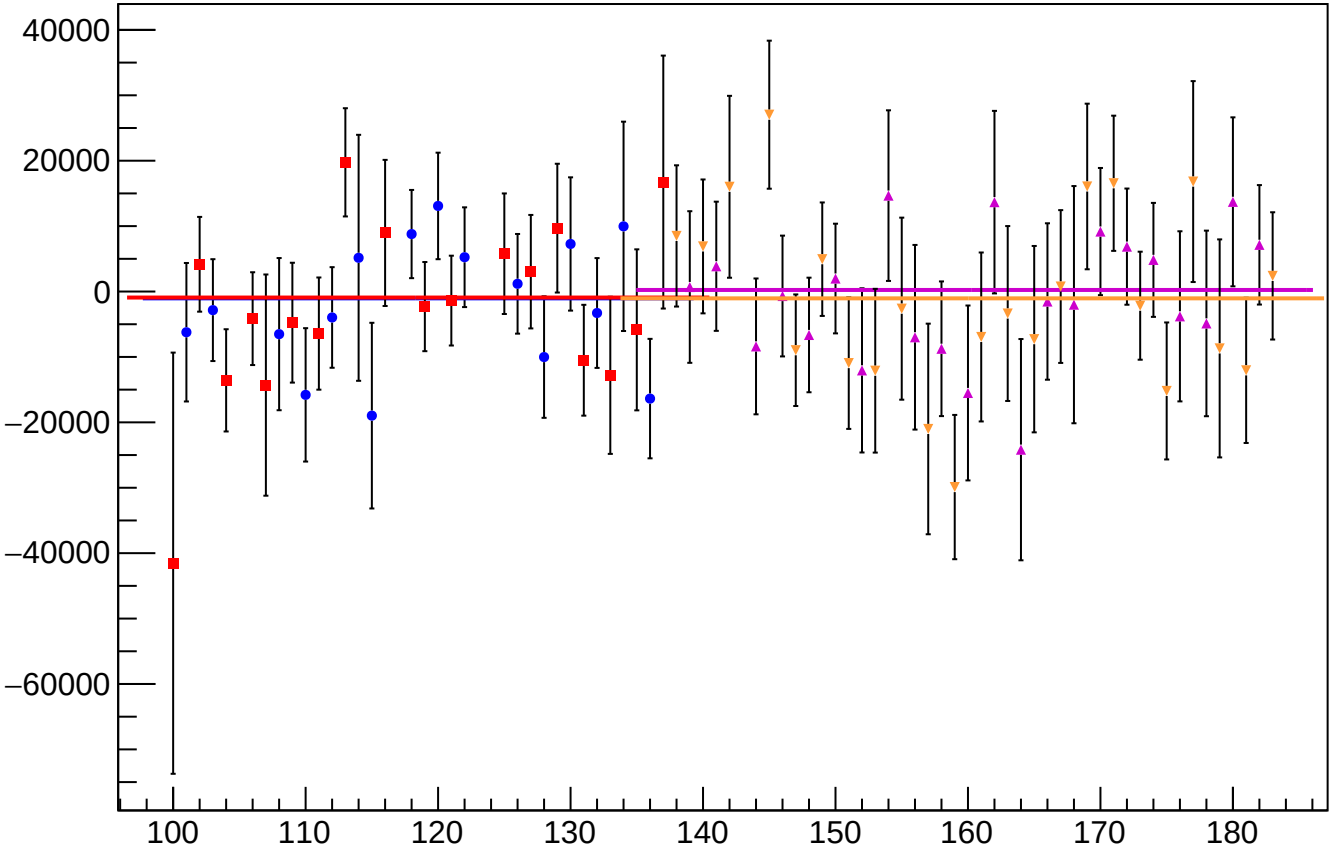
Left In: 2635.989+/-0.440 χ^2/NDF:222860.7/21

\+ sign 2416.458+/-0.343 χ^2/NDF: 1219145.8/38

All: 2409.820+/-0.242 χ^2/NDF: 2345439.9/78

\- sign 2403.191+/-0.342 χ^2/NDF: 1125544.3/39

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1042.432+/-2347.973 χ^2/NDF:30.2/22

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

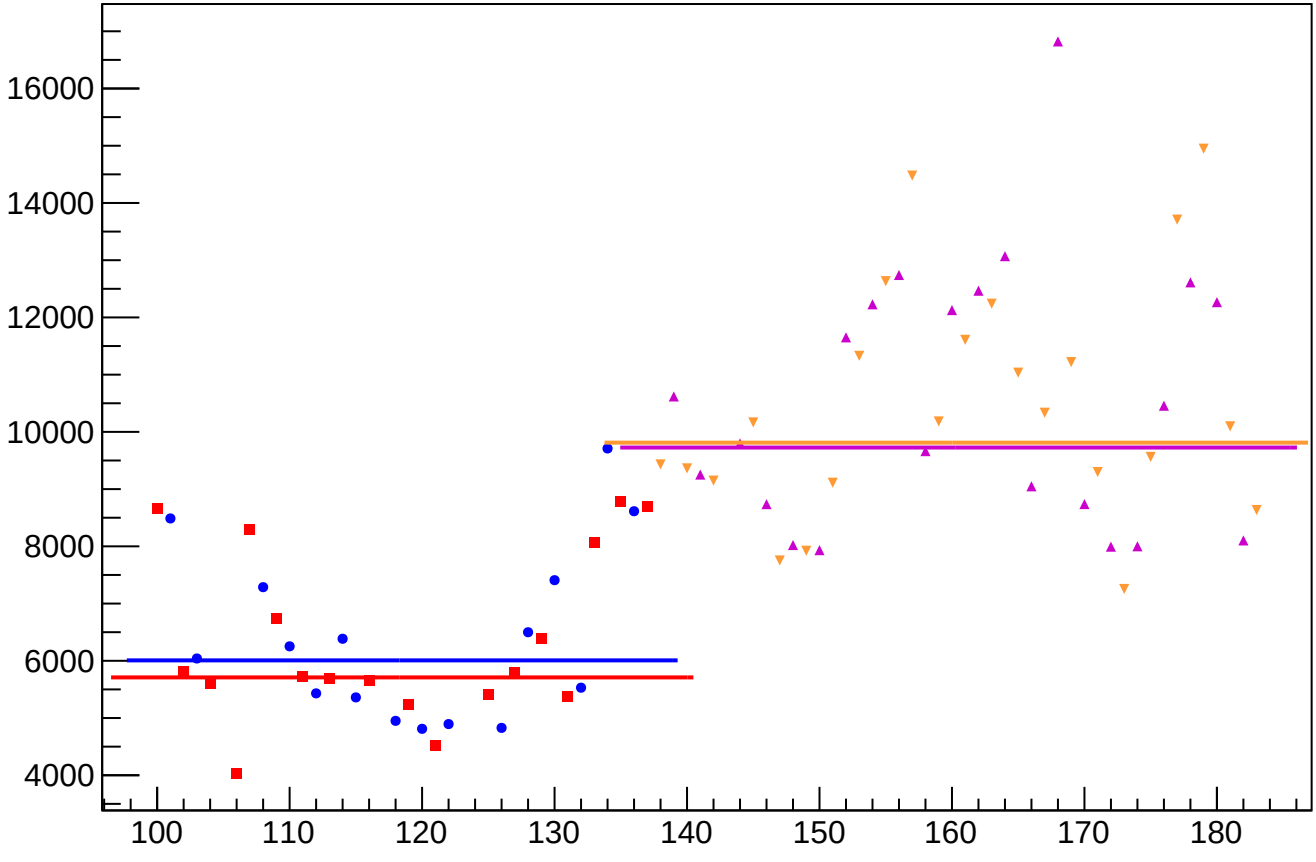
Left In: 239.653+/-2342.788 χ^2/NDF:12.7/21

+ sign -1042.474+/-1641.075 χ^2/NDF: 45.5/38

All: -704.479+/-1139.855 χ^2/NDF: 76.8/78

- sign -389.421+/-1584.416 χ^2/NDF: 31.2/39

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9812.221+/-1.660 χ^2/NDF:1211179.6/22

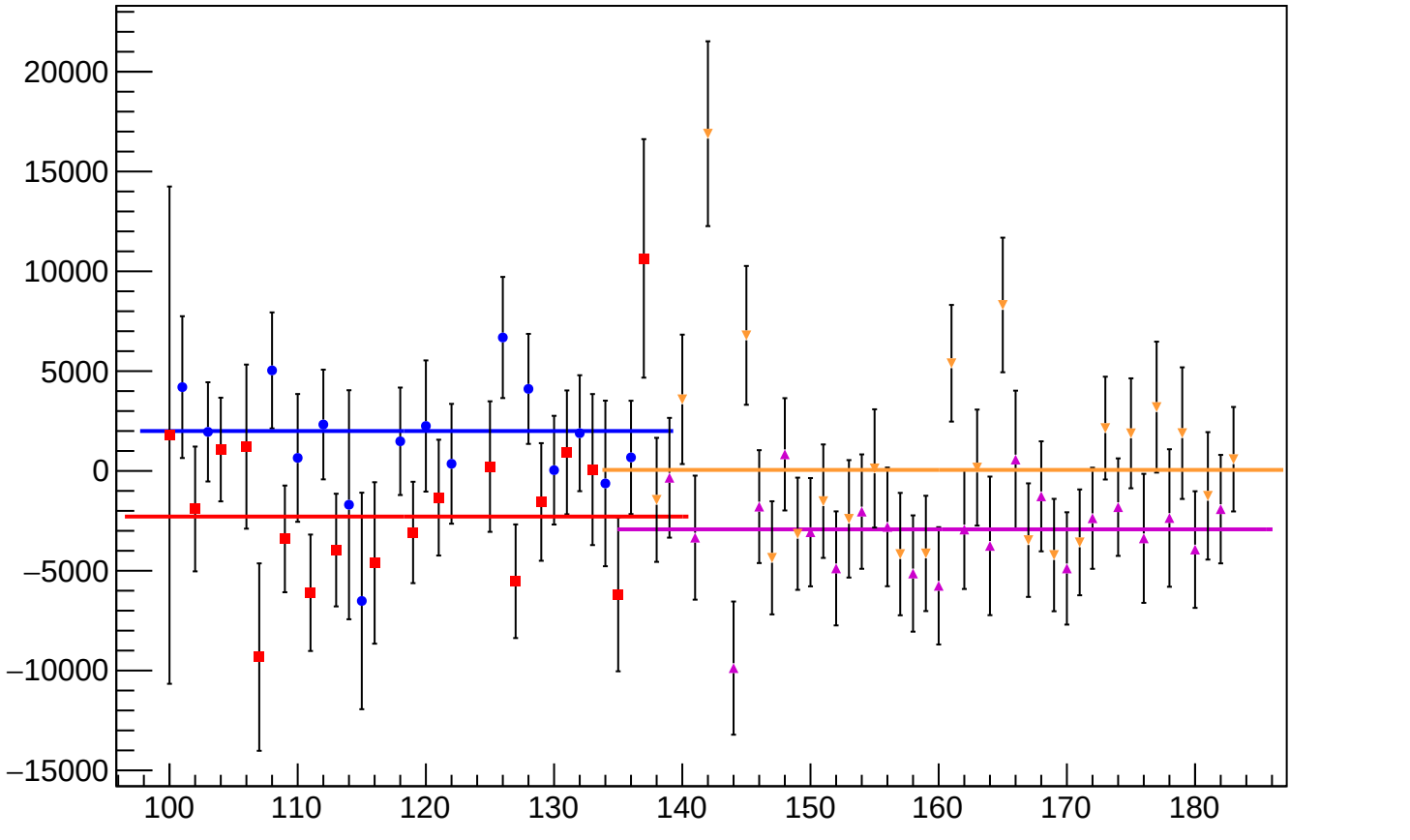
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9726.414+/-1.657 χ^2/NDF:1355997.3/21

+ sign 7866.093+/-1.160 χ^2/NDF: 4551427.5/38

All: 7700.919+/-0.806 χ^2/NDF: 9672286.9/78

- sign 7546.954+/-1.120 χ^2/NDF: 5081712.9/39



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 50.995+/-621.829 χ^2/NDF:44.7/22

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

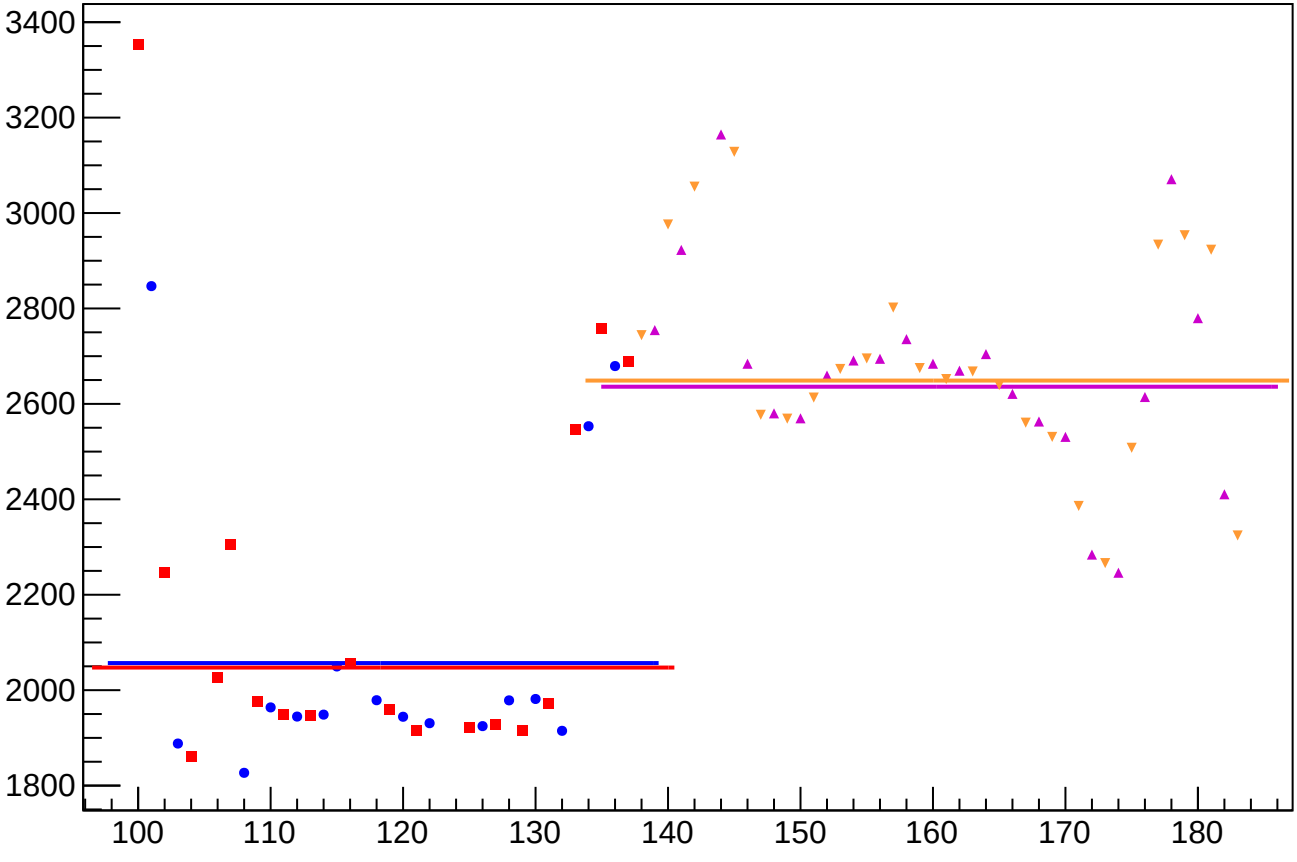
Left In: -2925.631+/-622.959 χ^2/NDF:11.6/21

+ sign 815.764+/-484.649 χ^2/NDF: 57.6/38

All: -928.722+/-342.692 χ^2/NDF: 112.2/78

- sign -2673.068+/-484.629 χ^2/NDF: 28.7/39

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2648.880+/-0.440 χ^2/NDF:236924.4/22

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

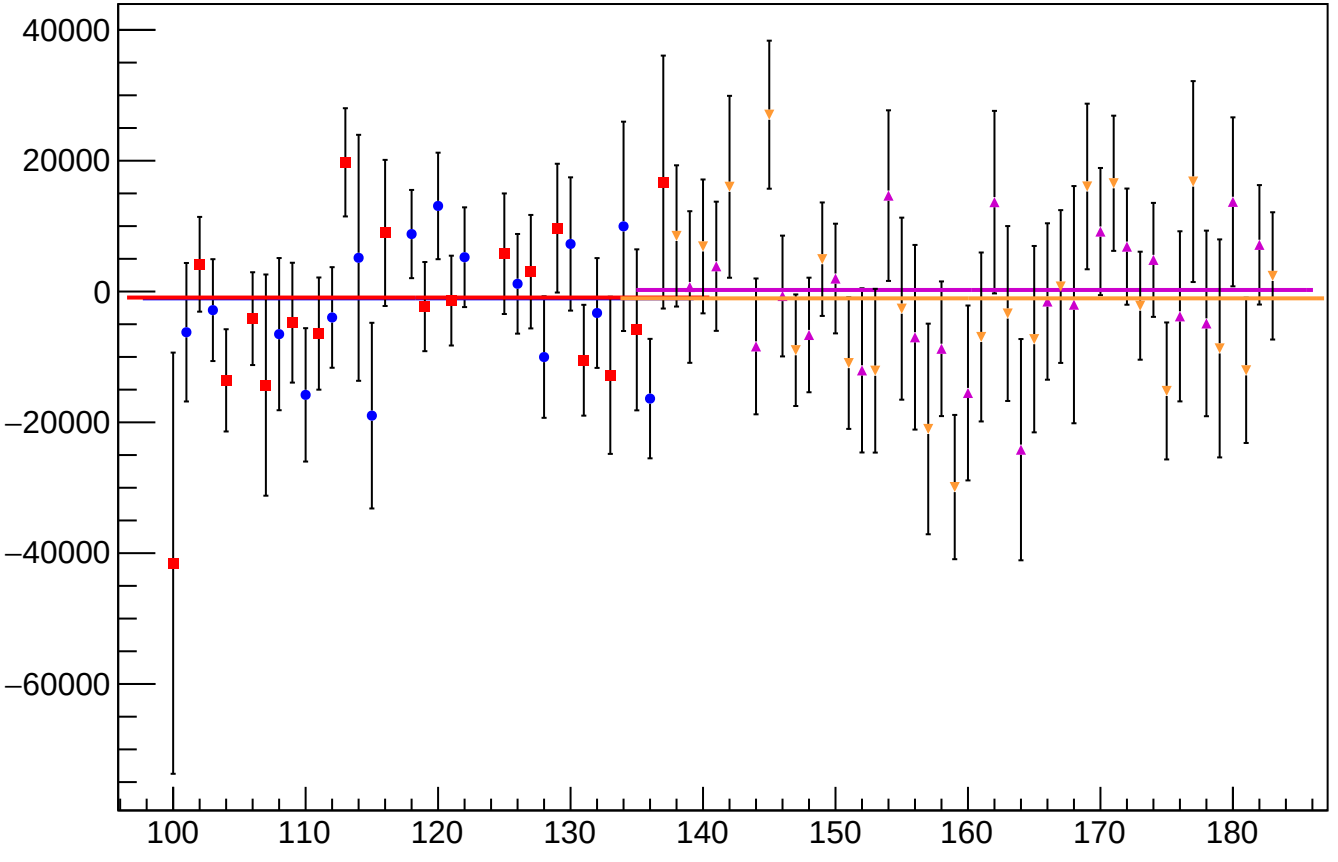
Left In: 2635.991+/-0.440 χ^2/NDF:222870.3/21

+ sign 2416.459+/-0.343 χ^2/NDF: 1219160.1/38

All: 2409.821+/-0.242 χ^2/NDF: 2345469.1/78

- sign 2403.192+/-0.342 χ^2/NDF: 1125559.2/39

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1042.441+/-2347.977 χ^2/NDF:30.2/22

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

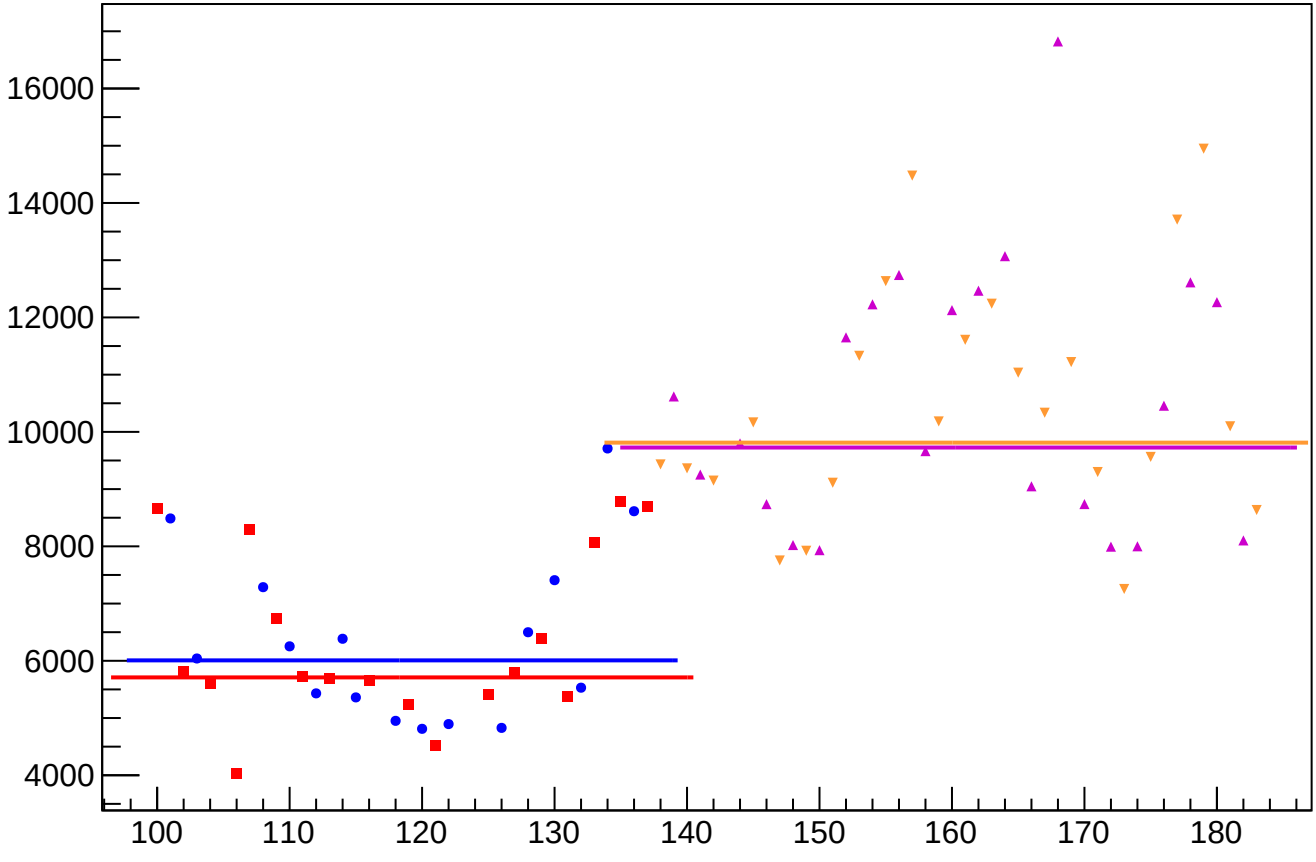
Left In: 239.654+/-2342.792 χ^2/NDF:12.7/21

+ sign -1042.473+/-1641.074 χ^2/NDF: 45.5/38

All: -704.481+/-1139.854 χ^2/NDF: 76.8/78

- sign -389.425+/-1584.414 χ^2/NDF: 31.2/39

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9812.238+/-1.660 χ^2/NDF:1211179.9/22

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

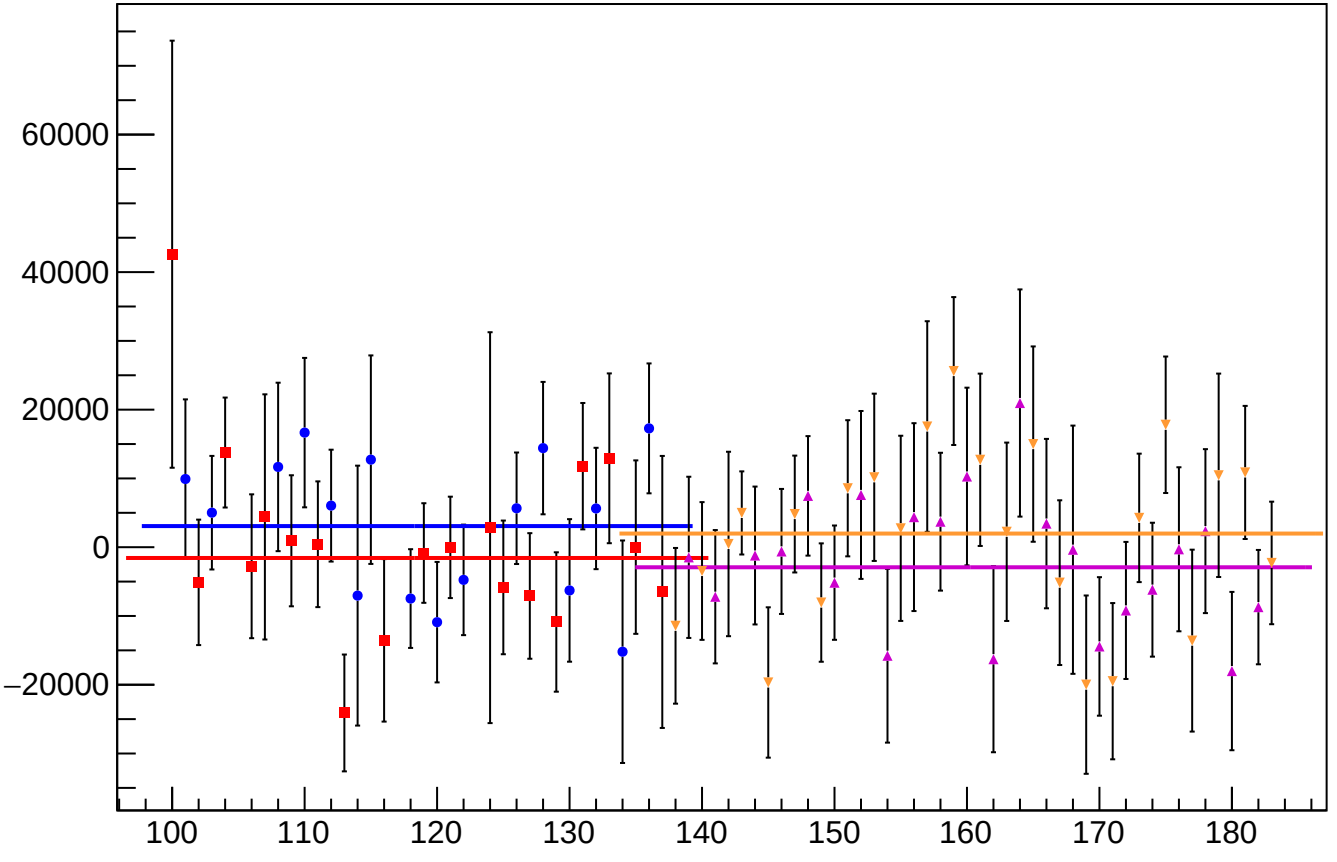
Left In: 9726.429+/-1.657 χ^2/NDF:1355999.1/21

+ sign 7866.082+/-1.160 χ^2/NDF: 4551491.0/38

All: 7700.908+/-0.806 χ^2/NDF: 9672410.4/78

- sign 7546.943+/-1.120 χ^2/NDF: 5081772.8/39

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1983.146+/-2156.903 χ^2/NDF:27.9/23

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

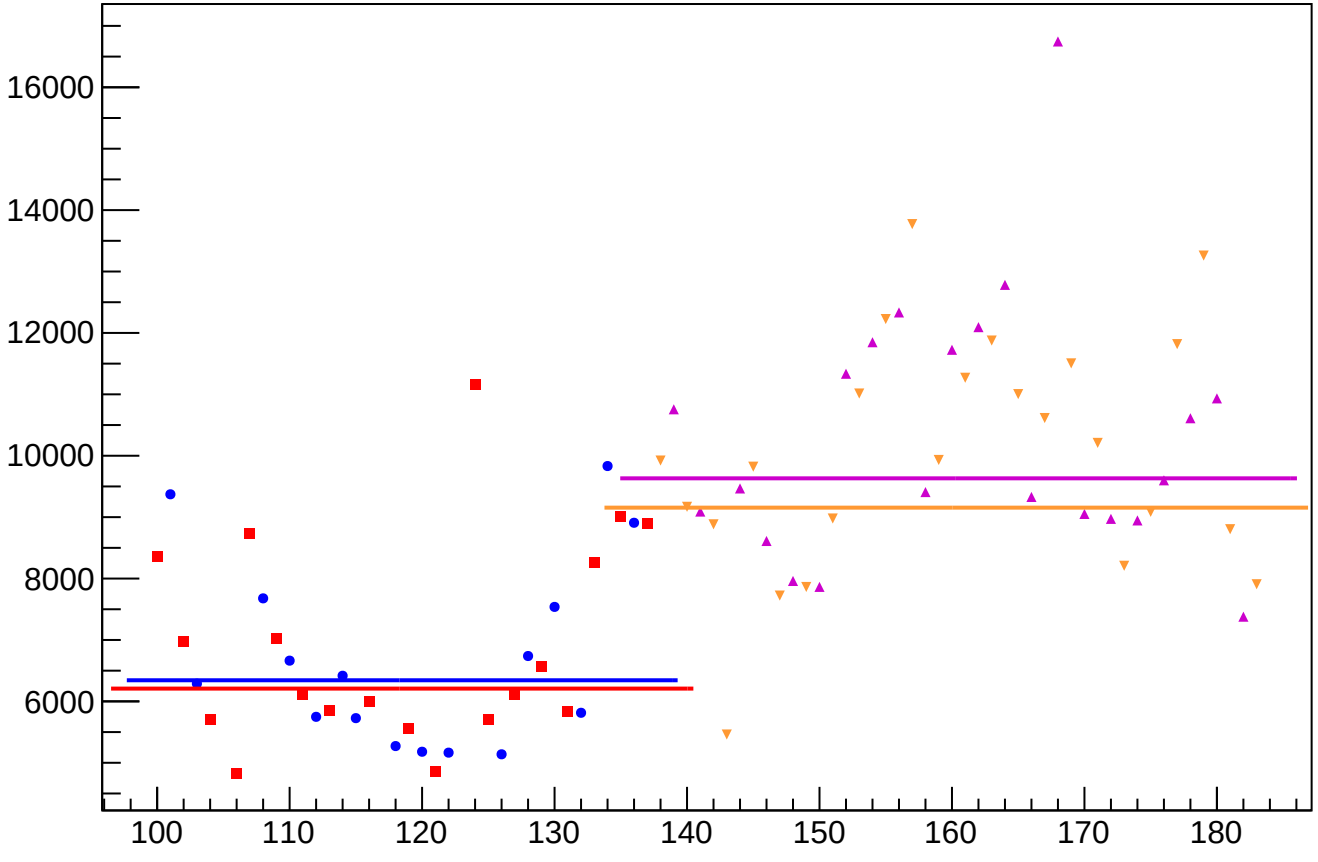
Left In: -2919.216+/-2310.496 χ^2/NDF:13.0/21

+ sign 2464.273+/-1610.387 χ^2/NDF: 42.8/39

All: 153.651+/-1149.959 χ^2/NDF: 79.4/80

- sign -2250.540+/-1642.670 χ^2/NDF: 32.3/40

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9154.821+/-1.525 χ^2/NDF:1799453.0/23

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

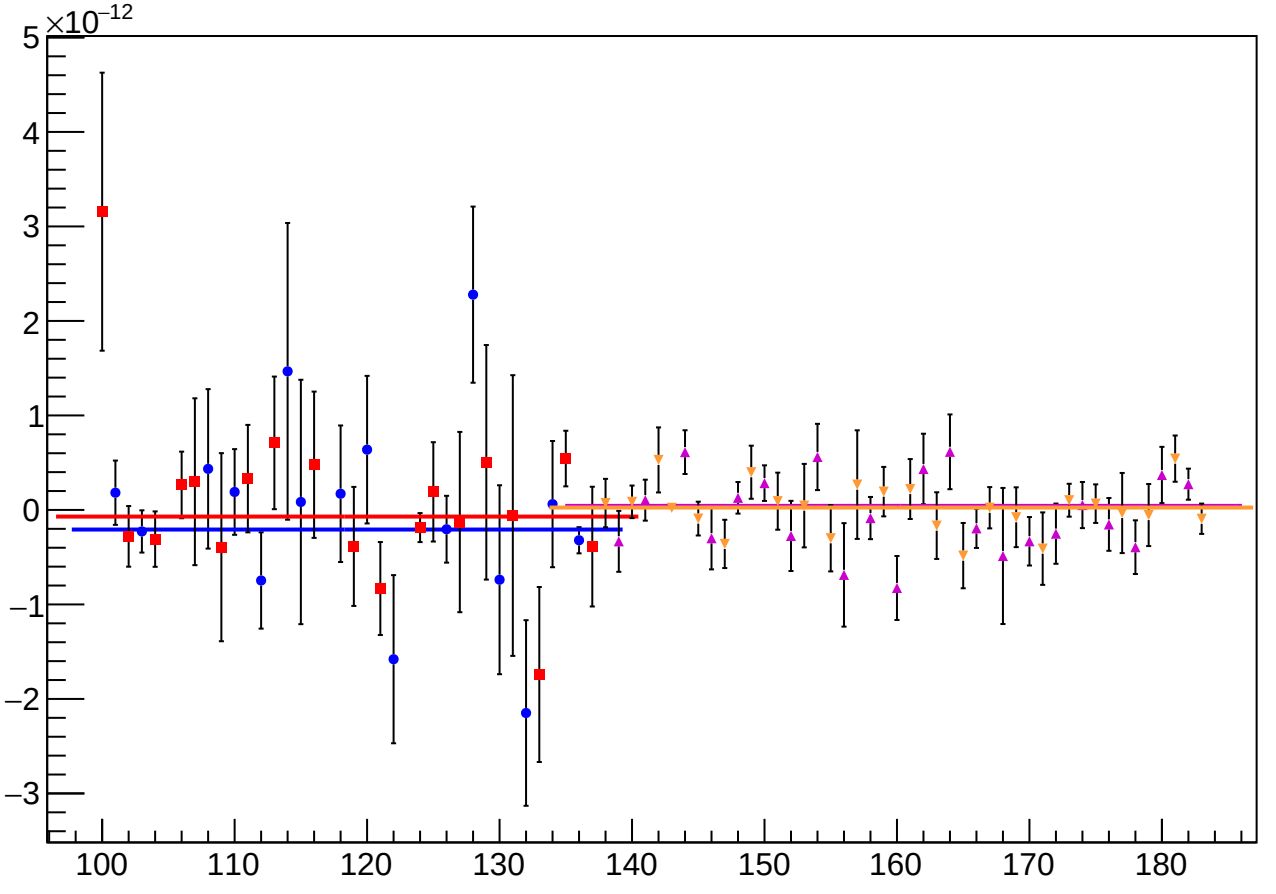
Left In: 9632.086+/-1.634 χ^2/NDF:1109183.5/21

+ sign 7910.775+/-1.139 χ^2/NDF: 3924076.7/39

All: 7924.508+/-0.813 χ^2/NDF: 7677513.7/80

- sign 7938.796+/-1.162 χ^2/NDF: 3753140.3/40

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/23

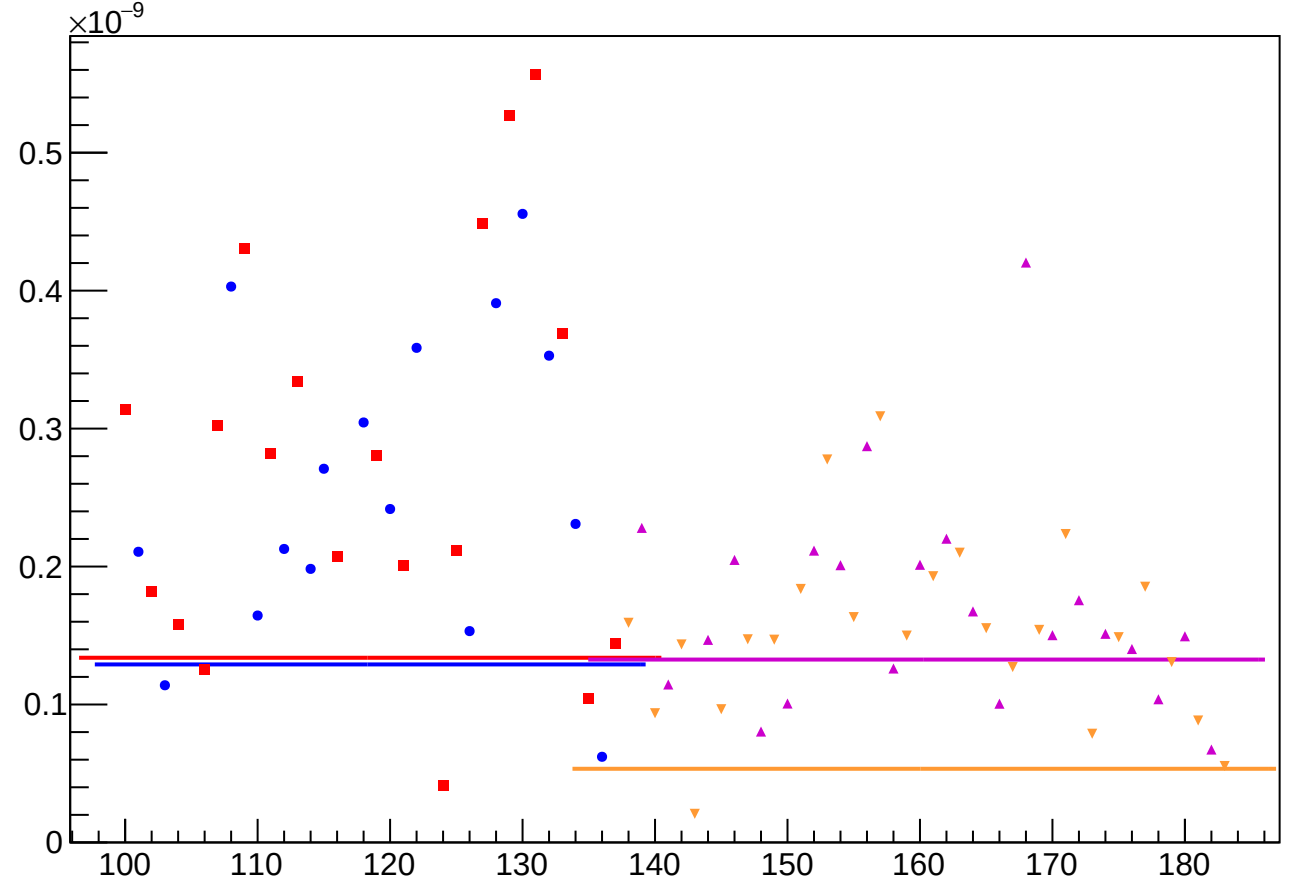
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:36.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/39

All: 0.000+/-0.000 χ^2/NDF: 102.3/80

- sign 0.000+/-0.000 χ^2/NDF: 58.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7238529.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

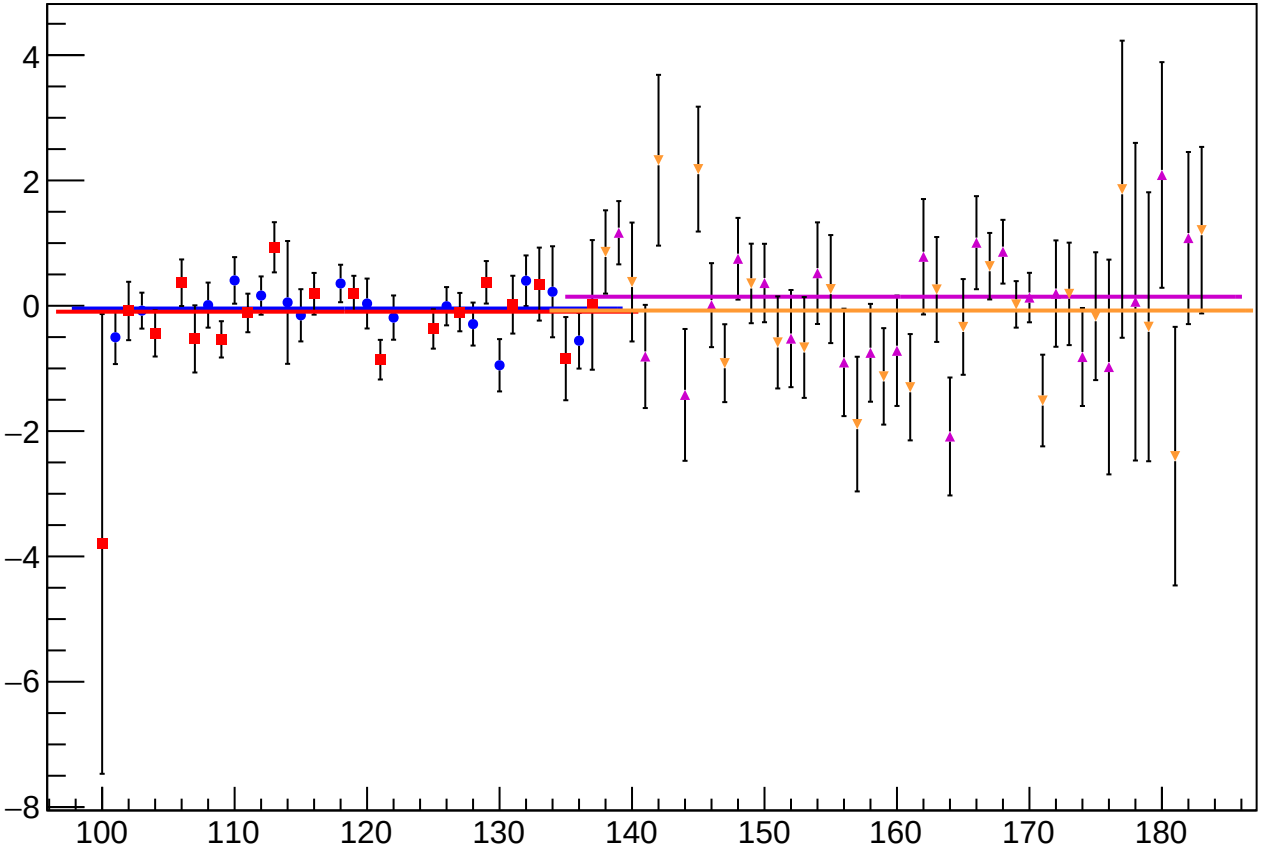
Left In: 0.000+/-0.000 χ^2/NDF:1849422.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 10108421.2/39

All: 0.000+/-0.000 χ^2/NDF: 17678644.9/80

- sign 0.000+/-0.000 χ^2/NDF: 4154193.8/40

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.076+/-0.162 χ^2/NDF:29.7/22

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

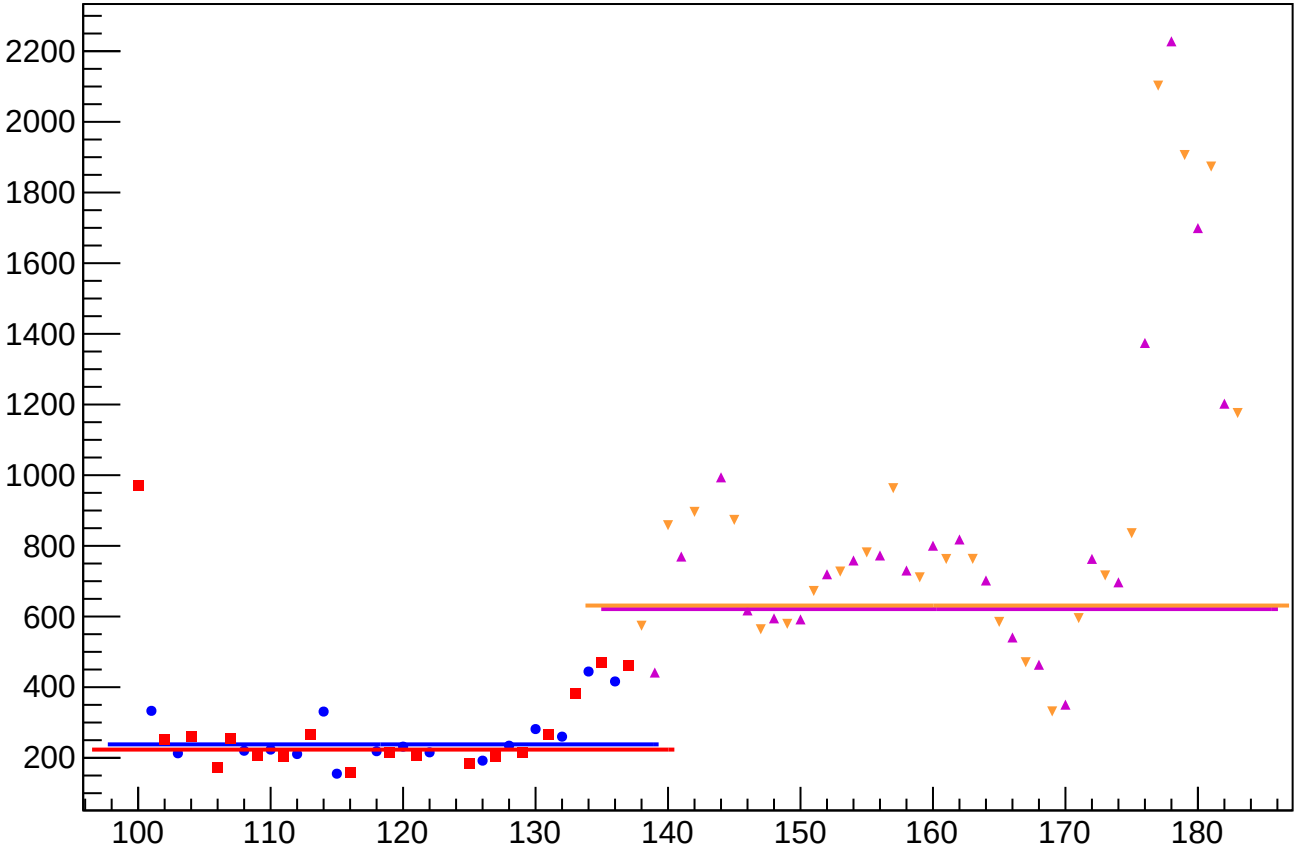
Left In: 0.145+/-0.159 χ^2/NDF:26.4/21

+ sign -0.052+/-0.081 χ^2/NDF: 42.8/38

All: -0.044+/-0.056 χ^2/NDF: 96.2/78

- sign -0.036+/-0.078 χ^2/NDF: 53.4/39

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 631.081+/-0.114 χ^2/NDF:4904786.4/22

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

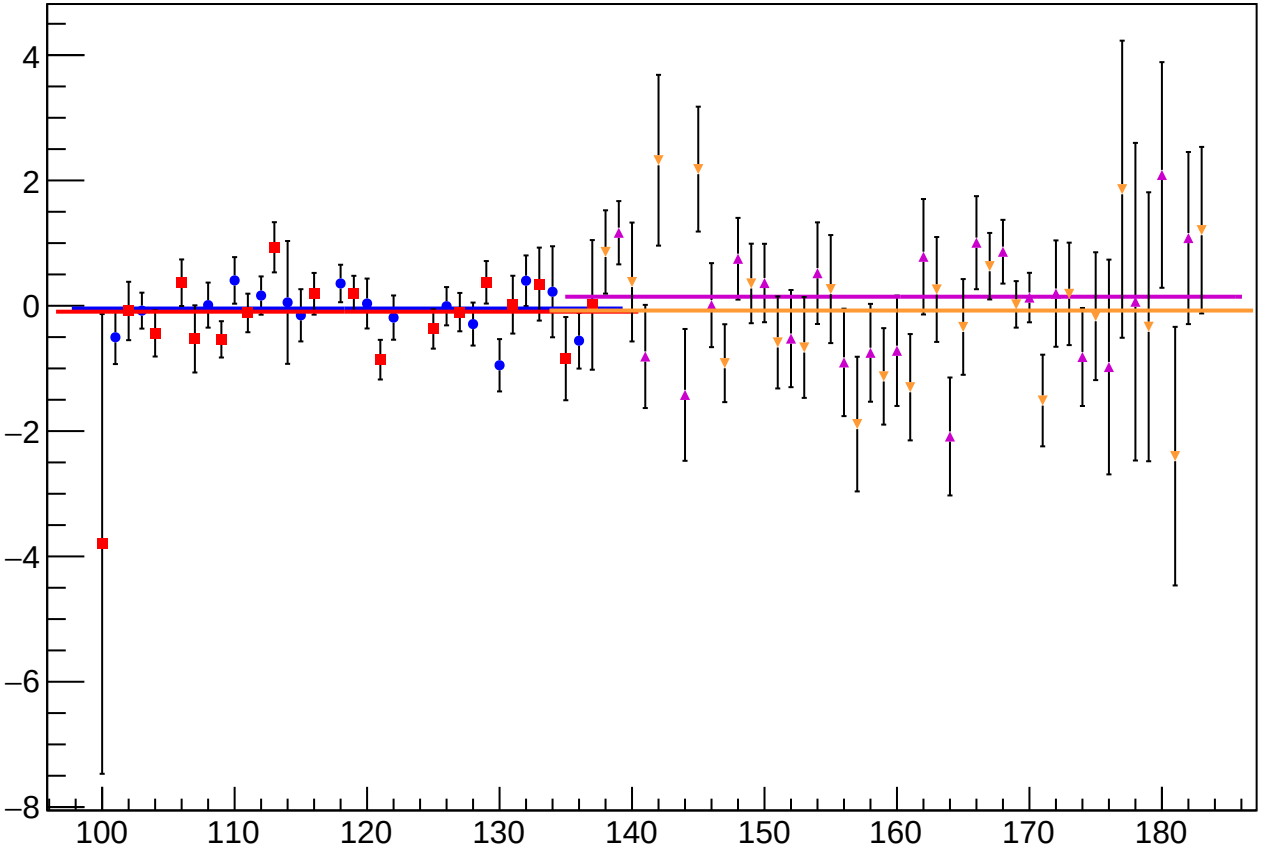
Left In: 621.090+/-0.112 χ^2/NDF:4453066.6/21

+ sign 336.910+/-0.057 χ^2/NDF: 14531630.9/38

All: 328.231+/-0.040 χ^2/NDF: 29385696.0/78

- sign 320.148+/-0.055 χ^2/NDF: 14809891.2/39

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.076+/-0.162 χ^2/NDF:29.7/22

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

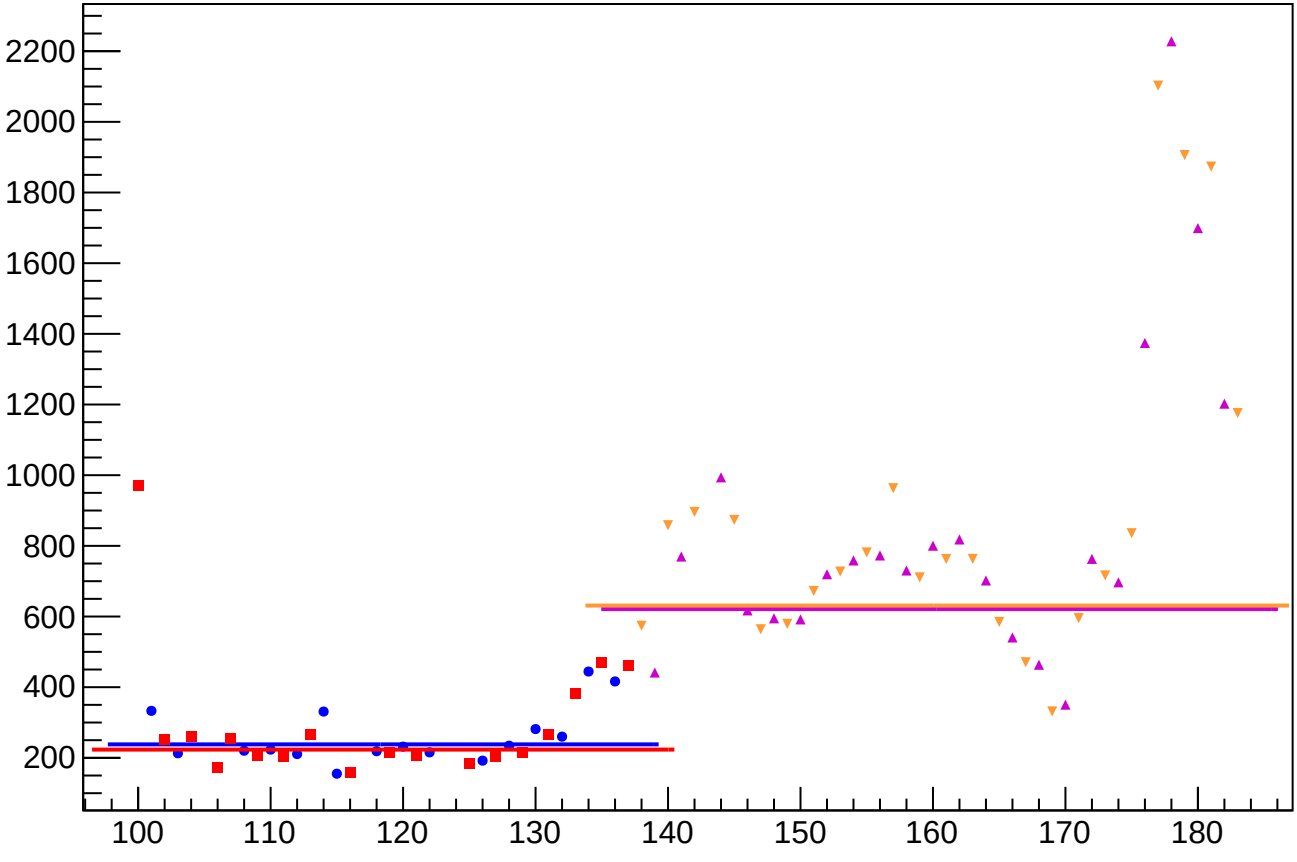
Left In: 0.145+/-0.159 χ^2/NDF:26.4/21

+ sign -0.052+/-0.081 χ^2/NDF: 42.8/38

All: -0.044+/-0.056 χ^2/NDF: 96.2/78

- sign -0.036+/-0.078 χ^2/NDF: 53.4/39

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 631.081+/-0.114 χ^2/NDF:4904786.4/22

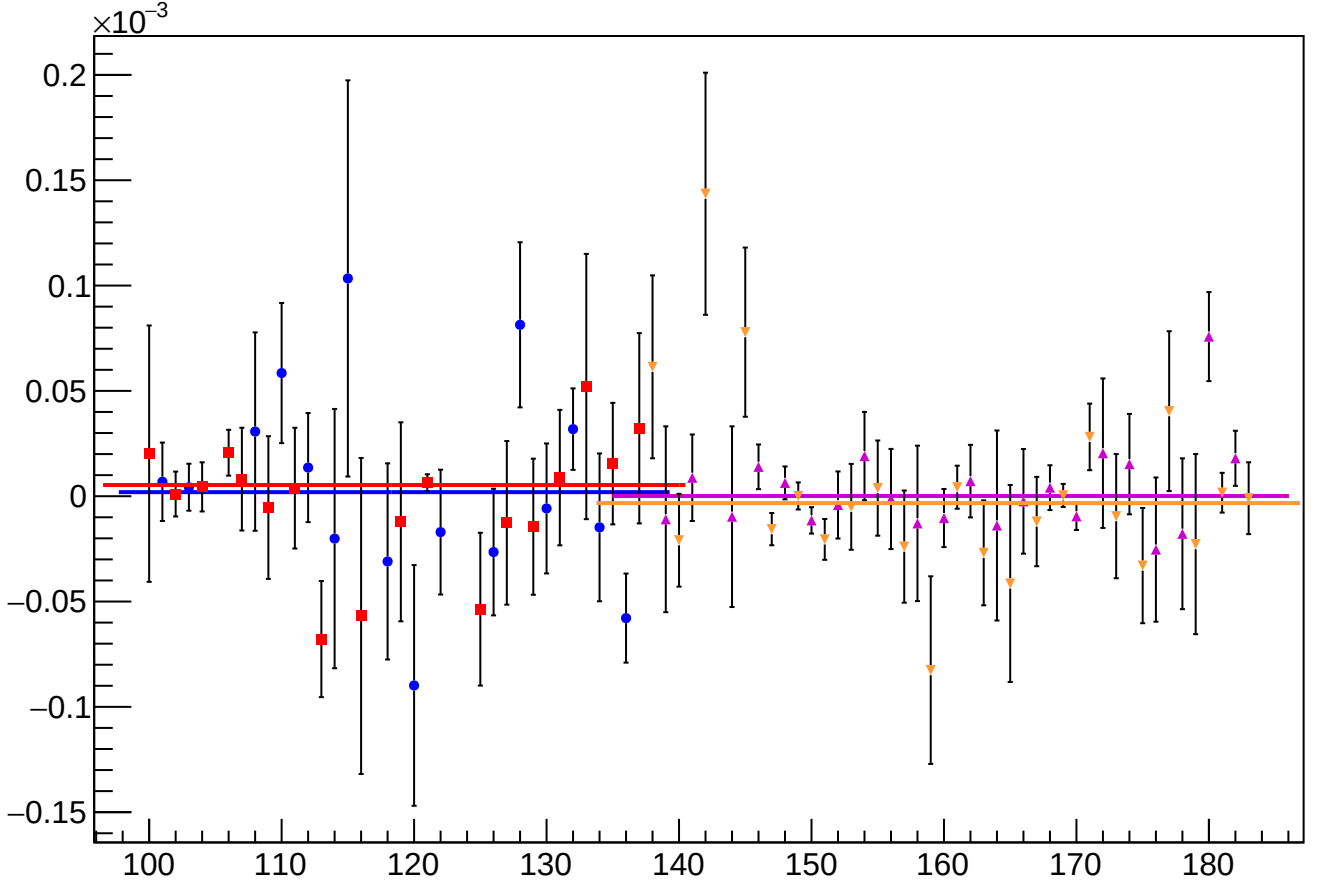
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 621.090+/-0.112 χ^2/NDF:4453066.6/21

+ sign 336.910+/-0.057 χ^2/NDF: 14531630.9/38

All: 328.231+/-0.040 χ^2/NDF: 29385696.0/78

- sign 320.148+/-0.055 χ^2/NDF: 14809891.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.1/22

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

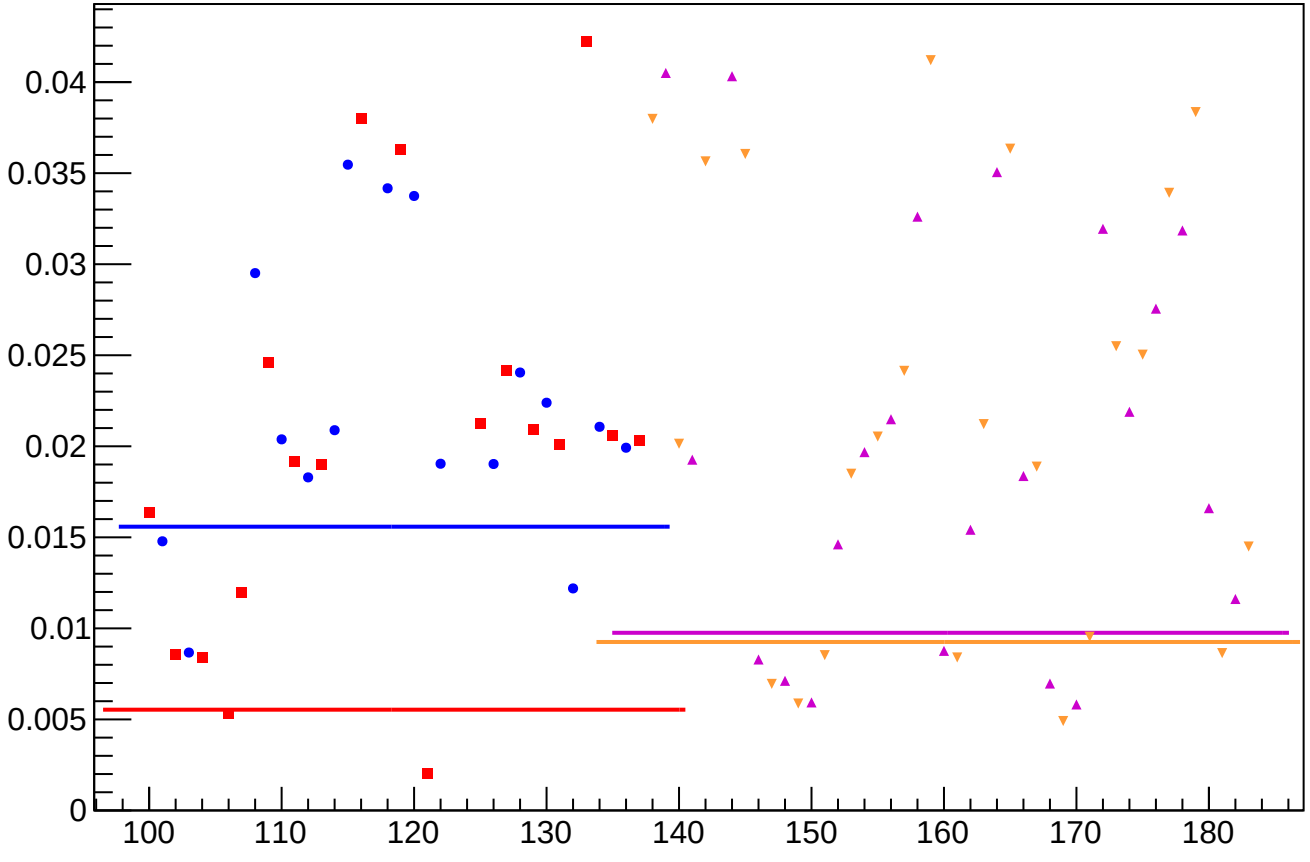
Left In: 0.000+/-0.000 χ^2/NDF:26.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/38

All: 0.000+/-0.000 χ^2/NDF: 102.4/78

- sign 0.000+/-0.000 χ^2/NDF: 42.5/39

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:12046006.7/22

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

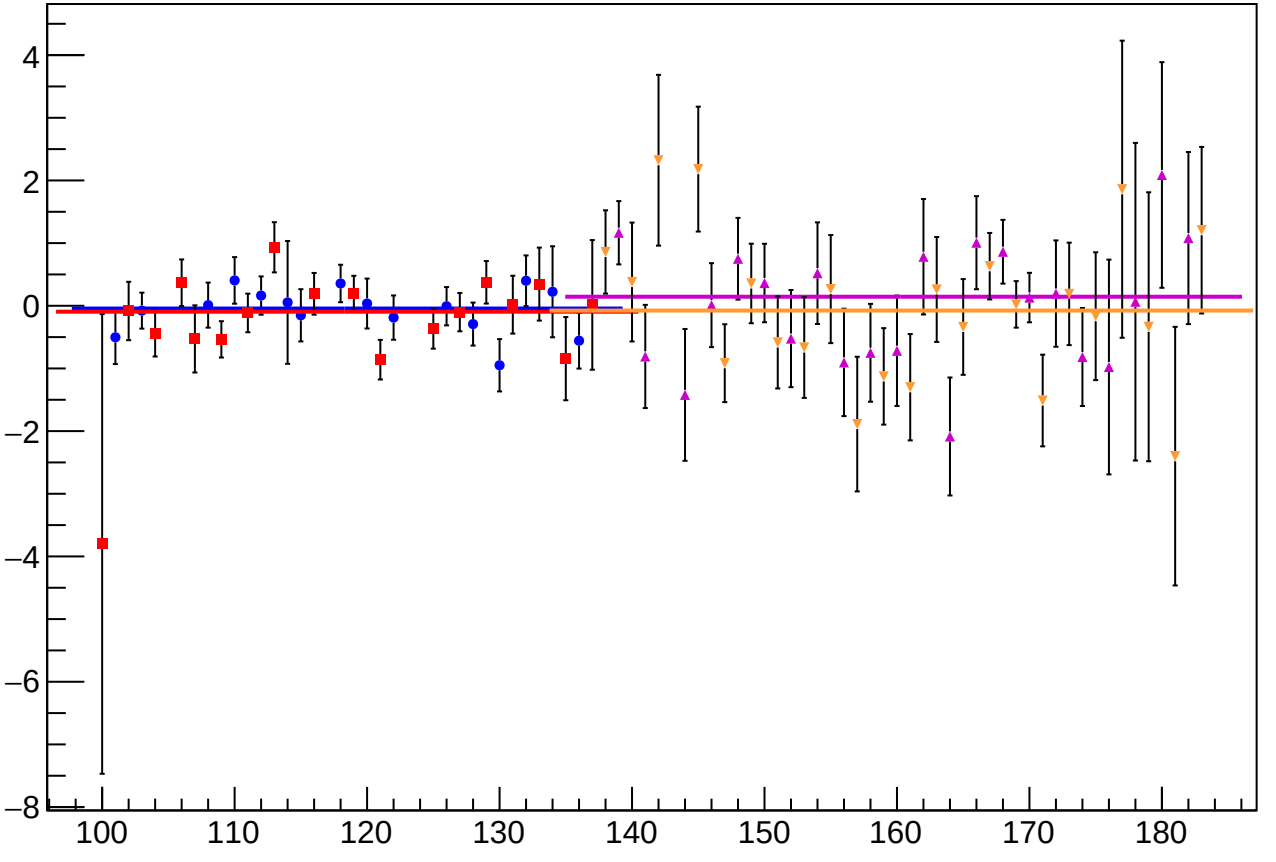
Left In: 0.010+/-0.000 χ^2/NDF:10138341.9/21

+ sign 0.010+/-0.000 χ^2/NDF: 15781923.1/38

All: 0.009+/-0.000 χ^2/NDF: 36832088.3/78

- sign 0.008+/-0.000 χ^2/NDF: 20004389.2/39

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.076+/-0.162 χ^2/NDF:29.7/22

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

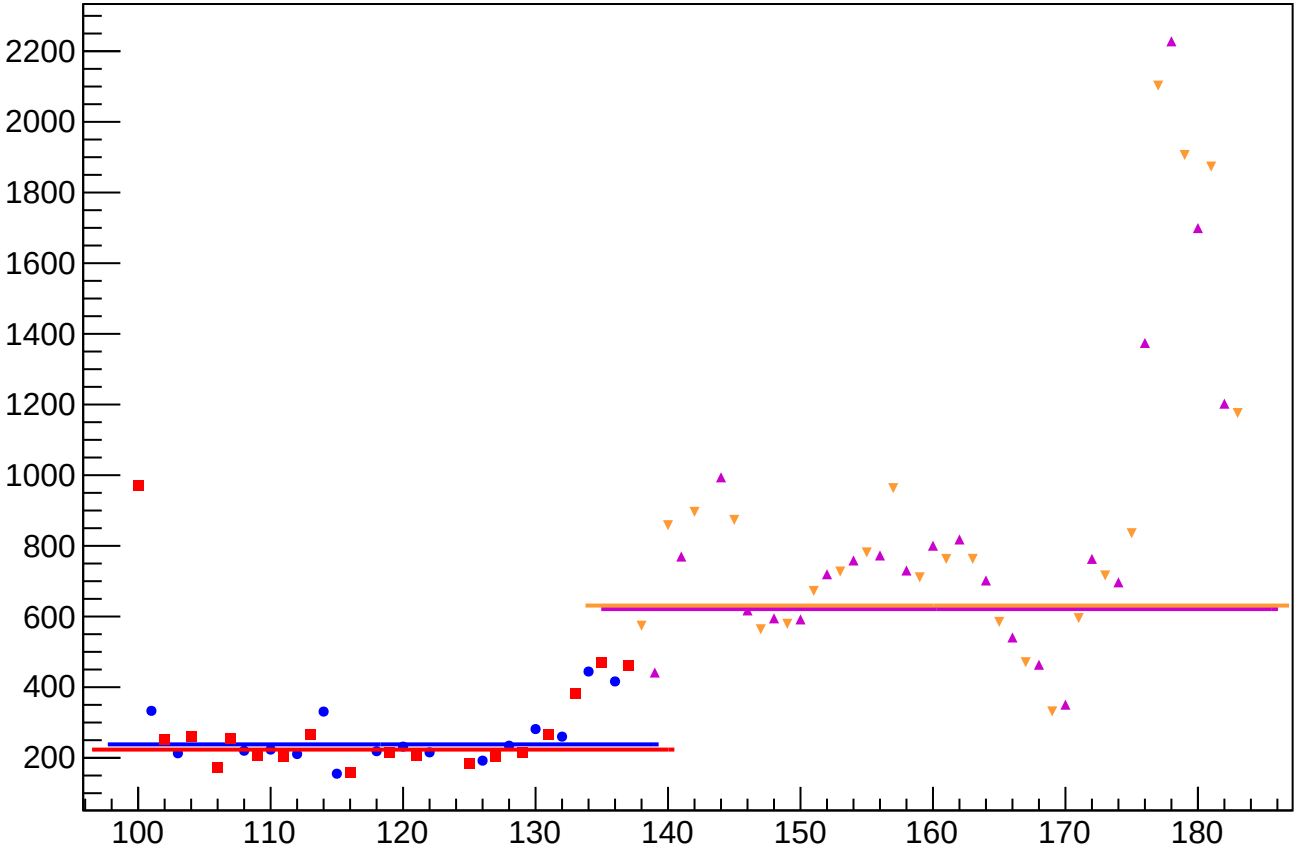
Left In: 0.145+/-0.159 χ^2/NDF:26.4/21

+ sign -0.052+/-0.081 χ^2/NDF: 42.8/38

All: -0.044+/-0.056 χ^2/NDF: 96.2/78

- sign -0.036+/-0.078 χ^2/NDF: 53.4/39

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 631.085+/-0.114 χ^2/NDF:4904850.0/22

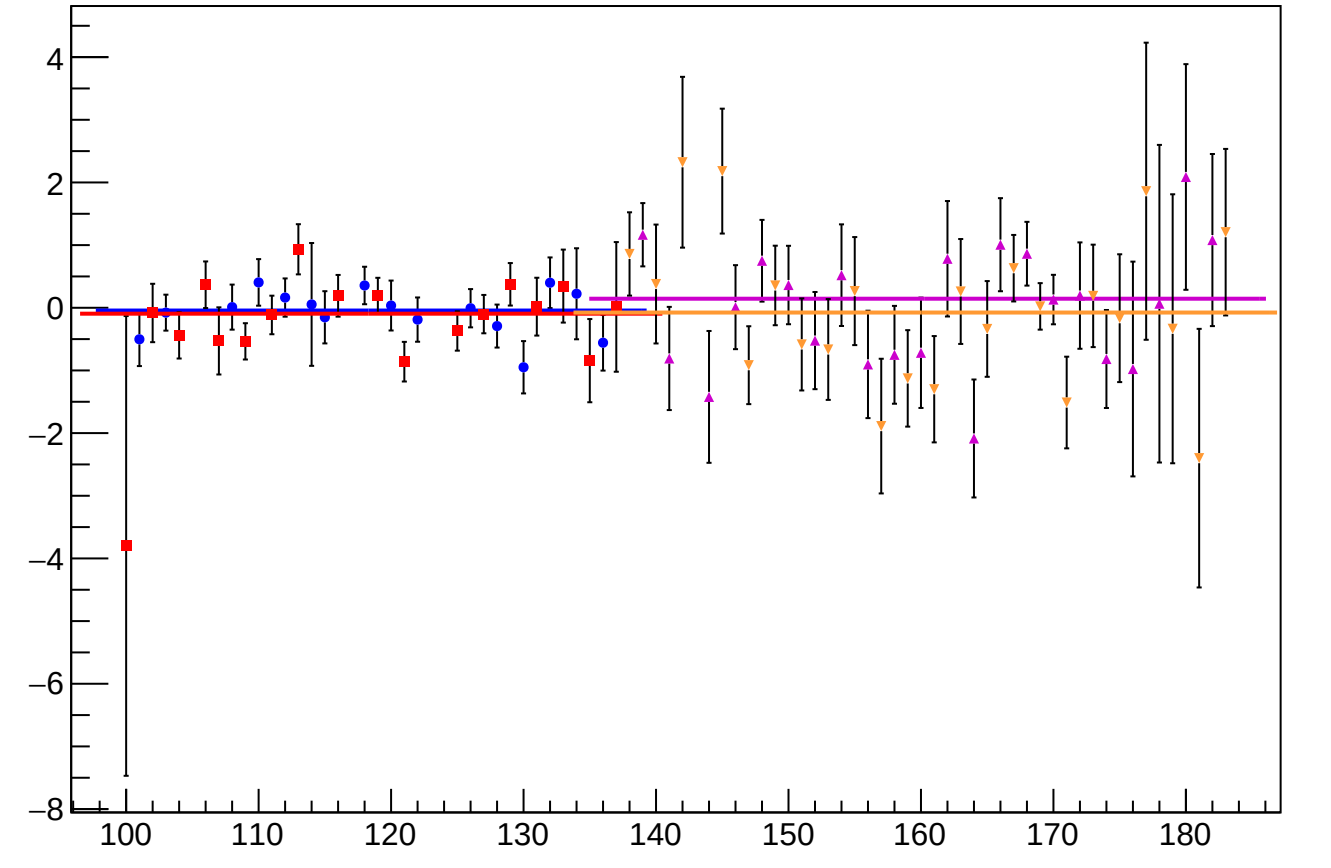
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 621.096+/-0.112 χ^2/NDF:4453047.3/21

+ sign 336.911+/-0.057 χ^2/NDF: 14531696.4/38

All: 328.232+/-0.040 χ^2/NDF: 29385742.8/78

- sign 320.150+/-0.055 χ^2/NDF: 14809878.1/39



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.076+/-0.162 χ^2/NDF:29.7/22

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

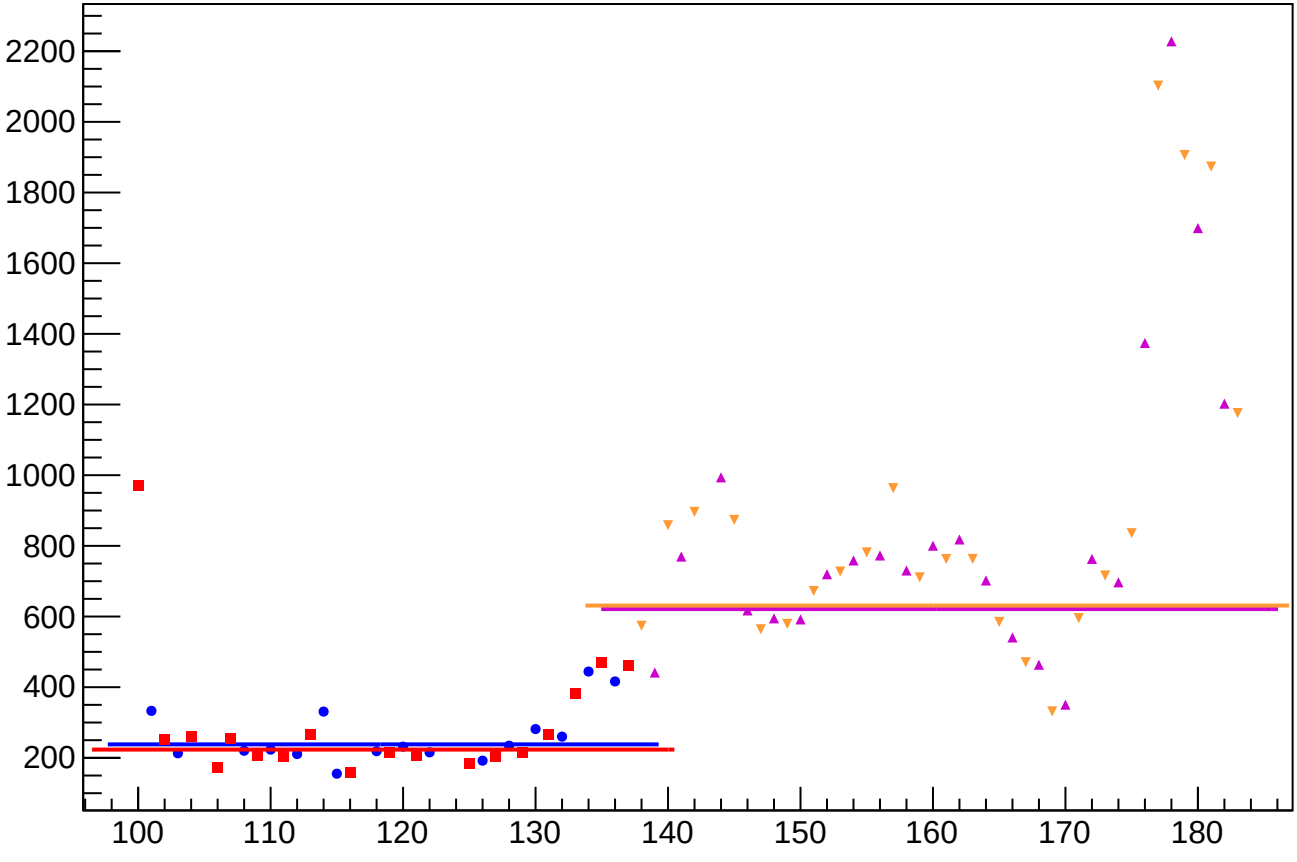
Left In: 0.145+/-0.159 χ^2/NDF:26.4/21

+ sign -0.052+/-0.081 χ^2/NDF: 42.8/38

All: -0.044+/-0.056 χ^2/NDF: 96.2/78

- sign -0.036+/-0.078 χ^2/NDF: 53.4/39

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 631.085+/-0.114 χ^2/NDF:4904850.0/22

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

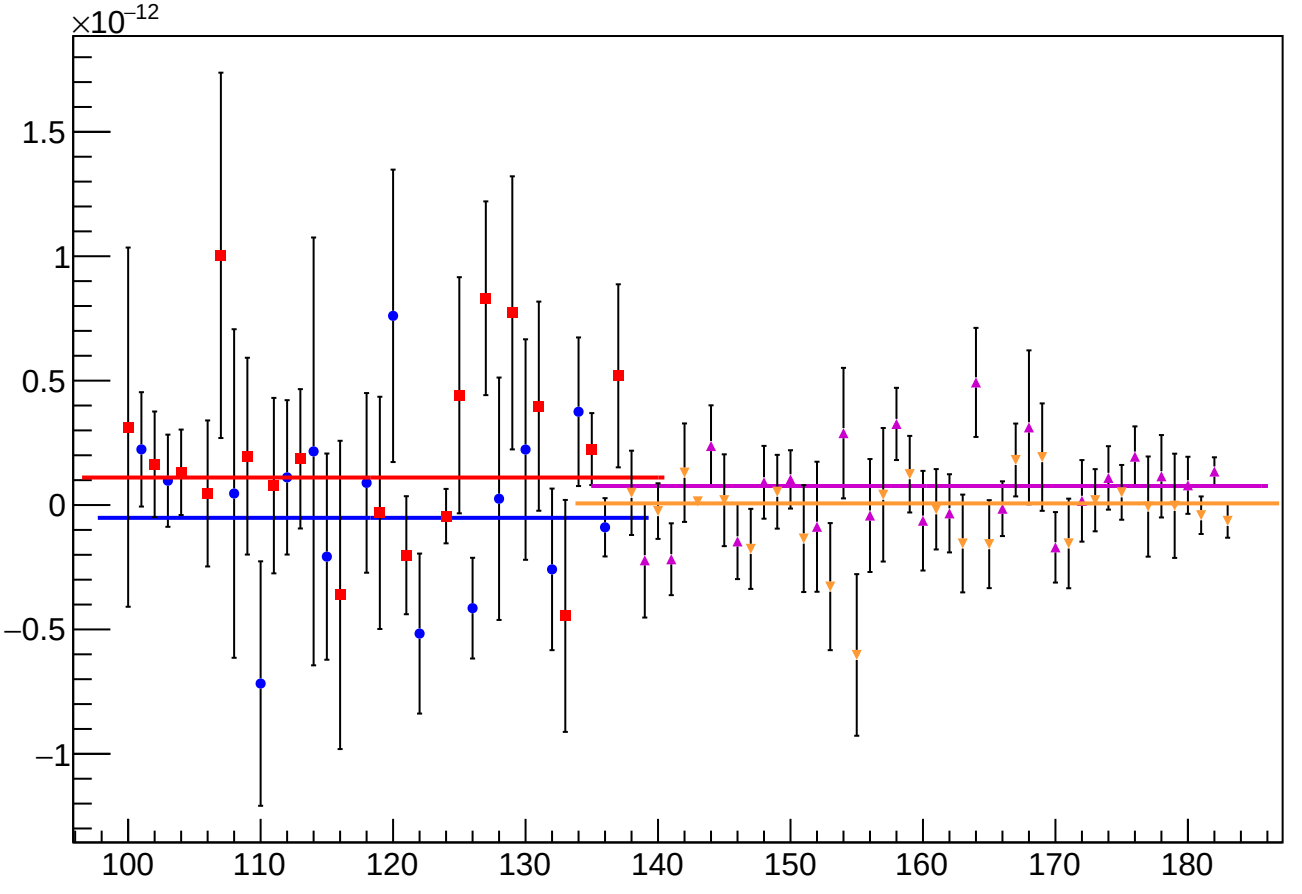
Left In: 621.096+/-0.112 χ^2/NDF:4453047.3/21

+ sign 336.911+/-0.057 χ^2/NDF: 14531696.4/38

All: 328.232+/-0.040 χ^2/NDF: 29385742.8/78

- sign 320.150+/-0.055 χ^2/NDF: 14809878.1/39

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/23

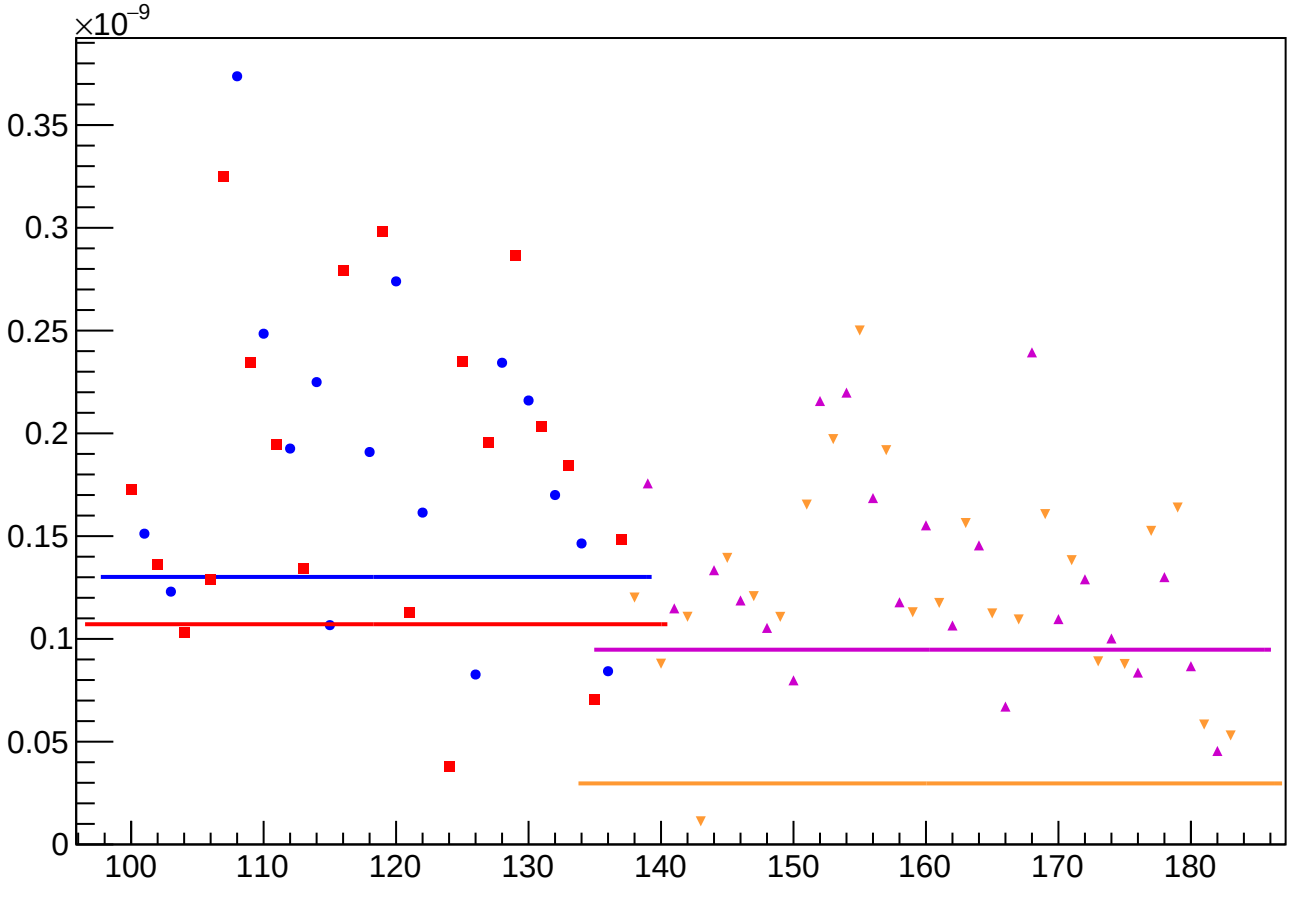
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 30.1/39

All: 0.000+/-0.000 χ^2/NDF: 77.3/80

- sign 0.000+/-0.000 χ^2/NDF: 40.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17168660.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

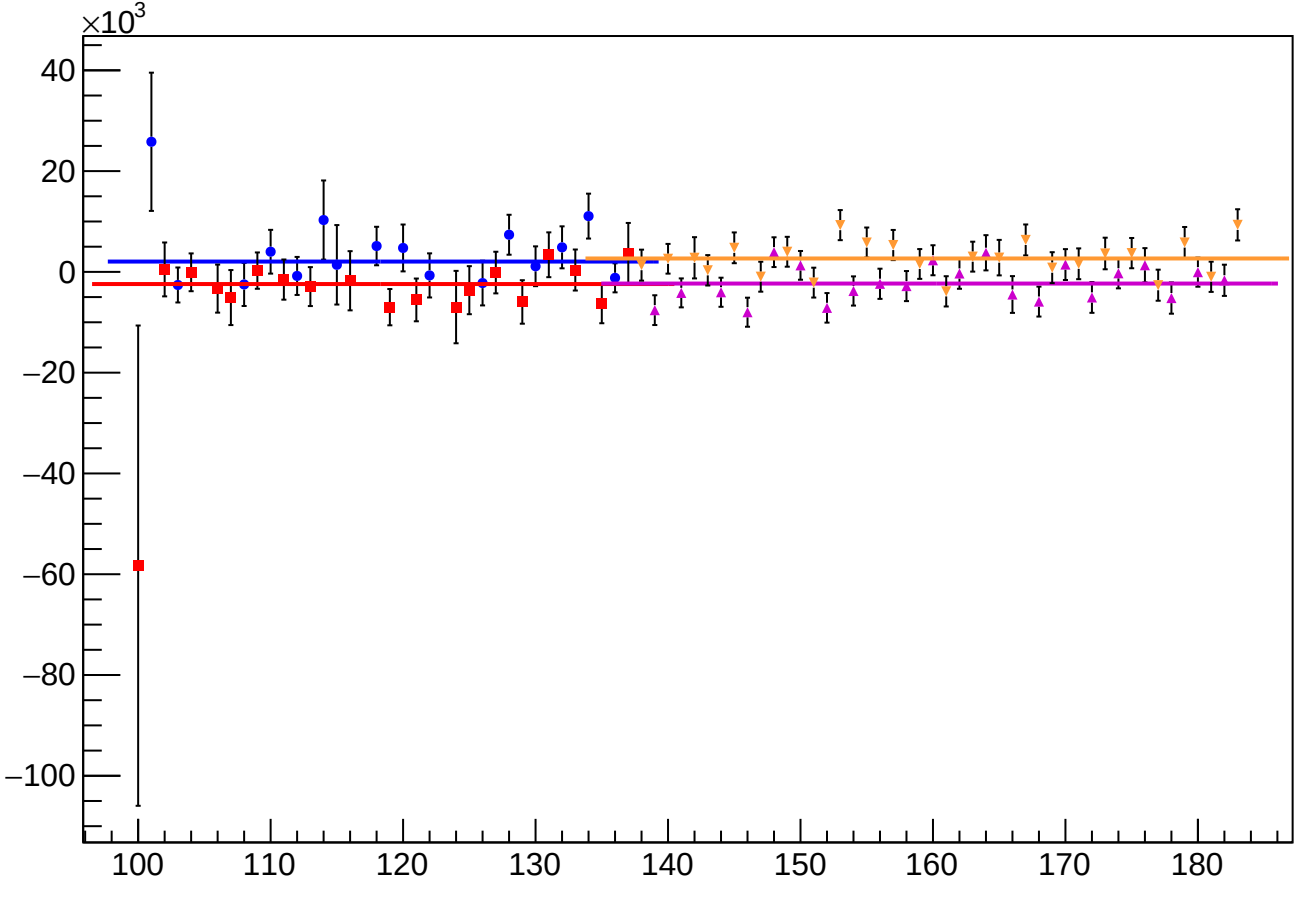
Left In: 0.000+/-0.000 χ^2/NDF:4214552.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 22759759.9/39

All: 0.000+/-0.000 χ^2/NDF: 39054554.9/80

- sign 0.000+/-0.000 χ^2/NDF: 6941547.4/40

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2660.628+/-626.013 χ^2/NDF:29.5/23

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

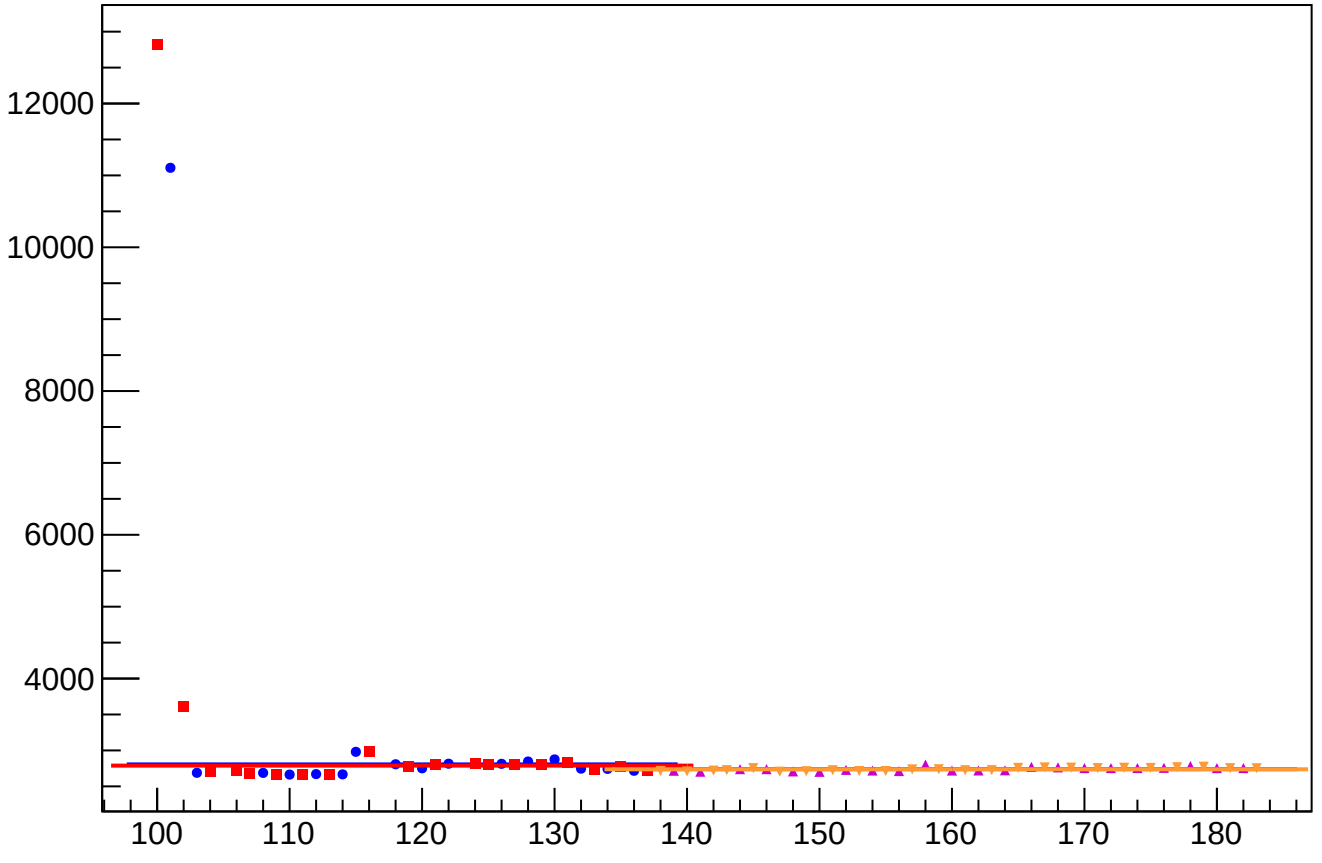
Left In: -2315.024+/-644.923 χ^2/NDF:30.1/21

+ sign 2504.870+/-540.382 χ^2/NDF: 47.6/39

All: 112.779+/-384.574 χ^2/NDF: 128.1/80

- sign -2342.089+/-547.427 χ^2/NDF: 40.8/40

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2737.431+/-0.443 χ^2/NDF:2314.6/23

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

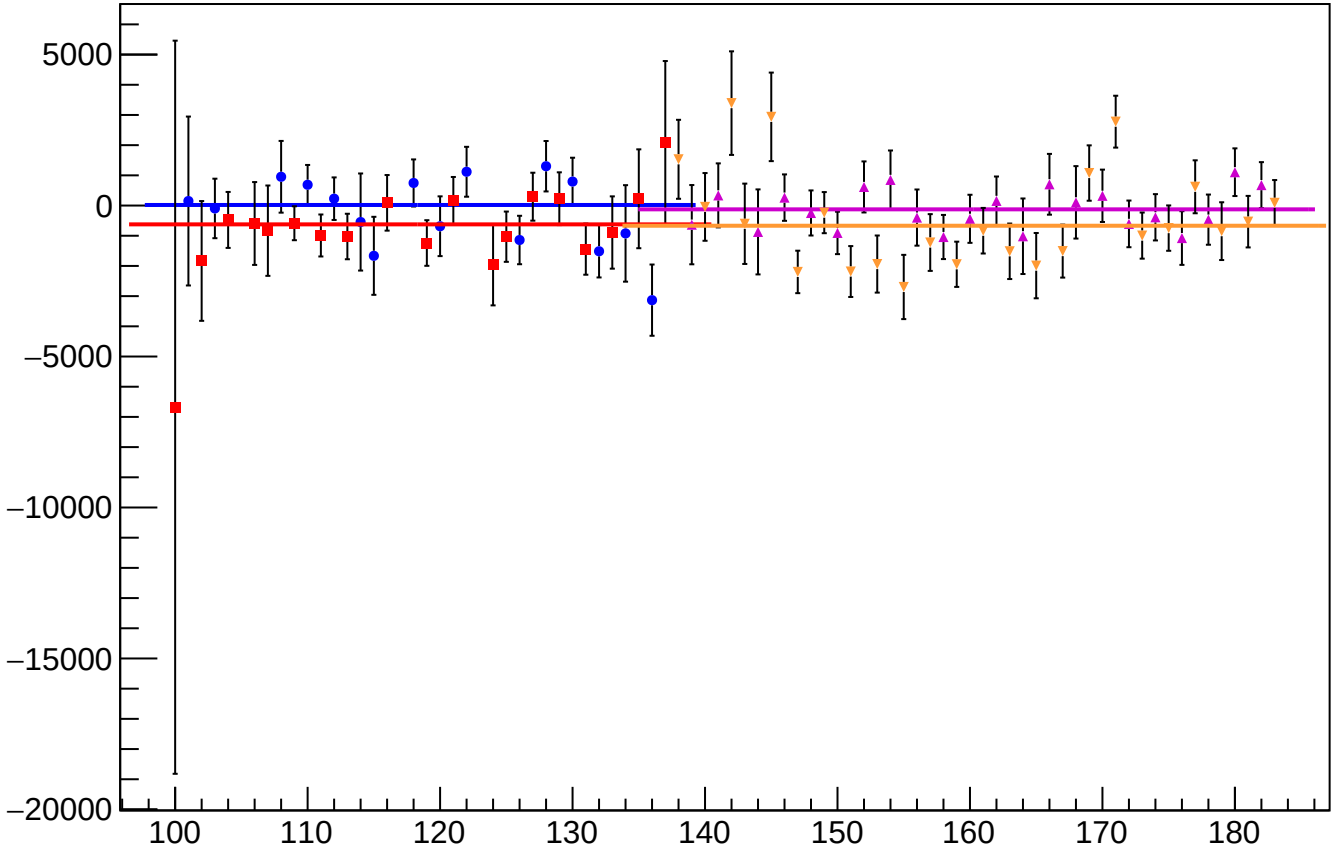
Left In: 2739.612+/-0.456 χ^2/NDF:3343.1/21

+ sign 2754.766+/-0.382 χ^2/NDF: 754572.2/39

All: 2754.075+/-0.272 χ^2/NDF: 908174.6/80

- sign 2753.366+/-0.387 χ^2/NDF: 153595.8/40

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -668.617+/-182.882 χ^2/NDF:58.3/23

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

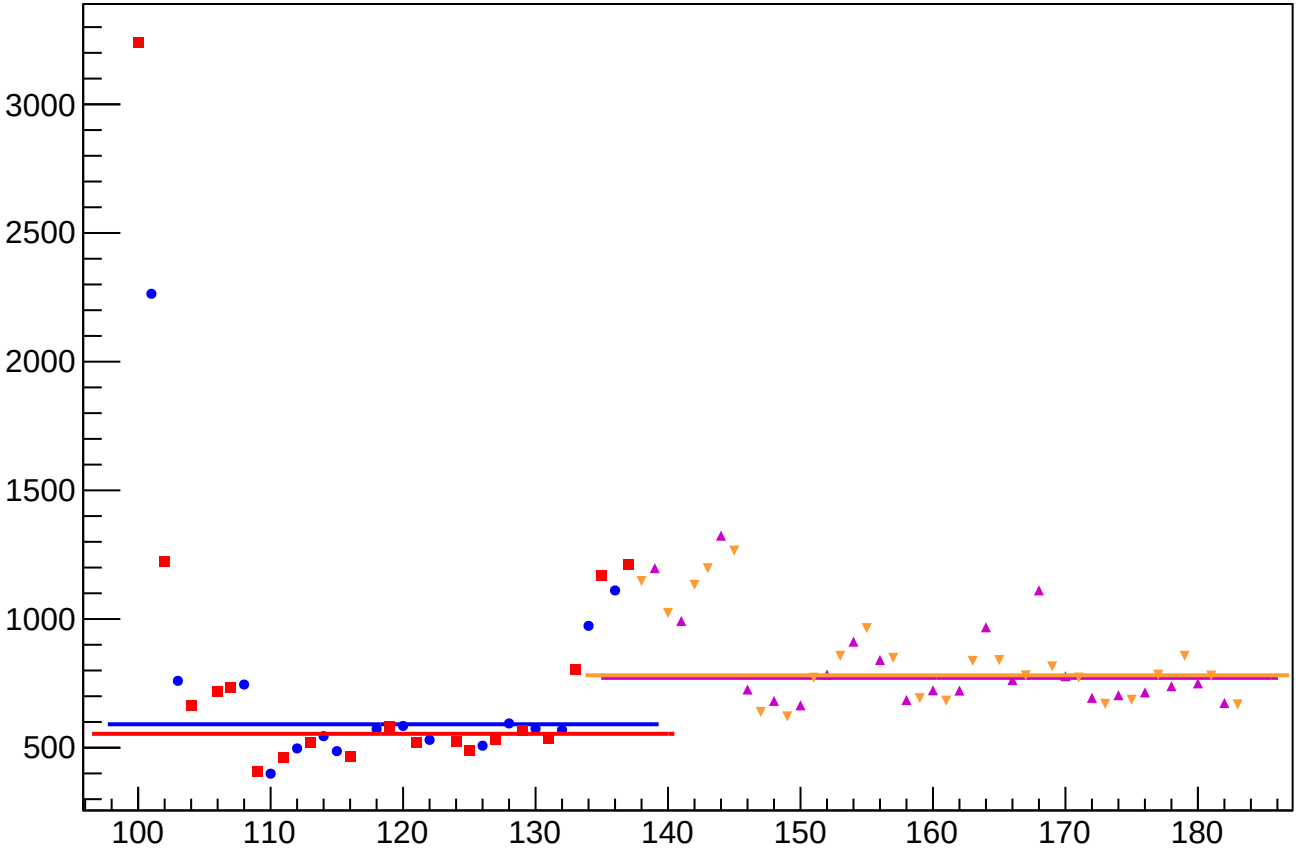
Left In: -125.792+/-185.199 χ^2/NDF:12.7/21

\+ sign -407.166+/-143.974 χ^2/NDF: 86.4/39

All: -371.017+/-100.584 χ^2/NDF: 111.6/80

\- sign -336.551+/-140.581 χ^2/NDF: 25.0/40

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 781.419+/-0.129 χ^2/NDF:1234088.7/23

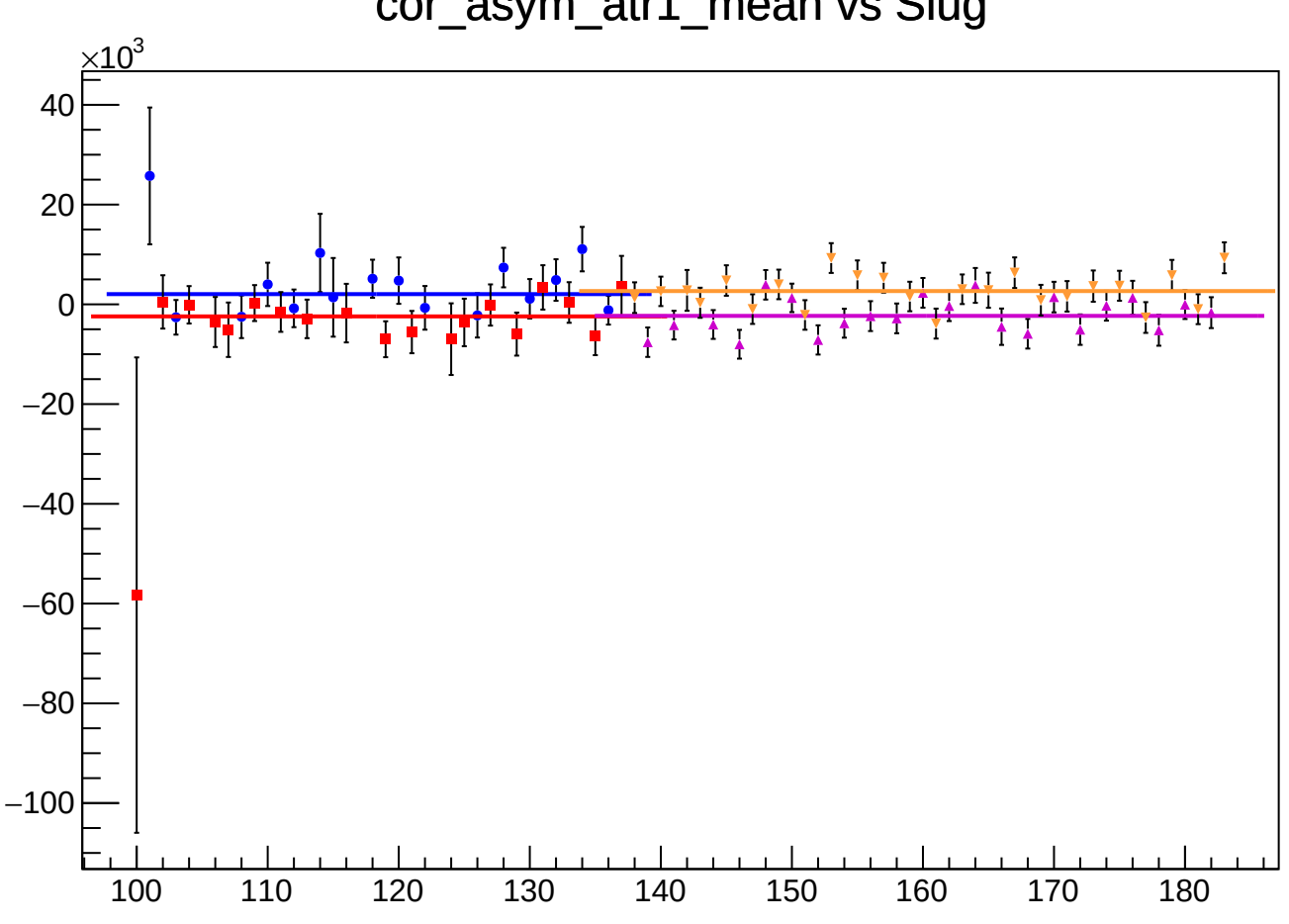
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 771.418+/-0.131 χ^2/NDF:1075120.5/21

+ sign 709.030+/-0.102 χ^2/NDF: 3625845.1/39

All: 693.795+/-0.071 χ^2/NDF: 7029977.9/80

- sign 679.270+/-0.099 χ^2/NDF: 3360387.4/40



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2660.618+/-626.013 χ^2/NDF:29.5/23

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

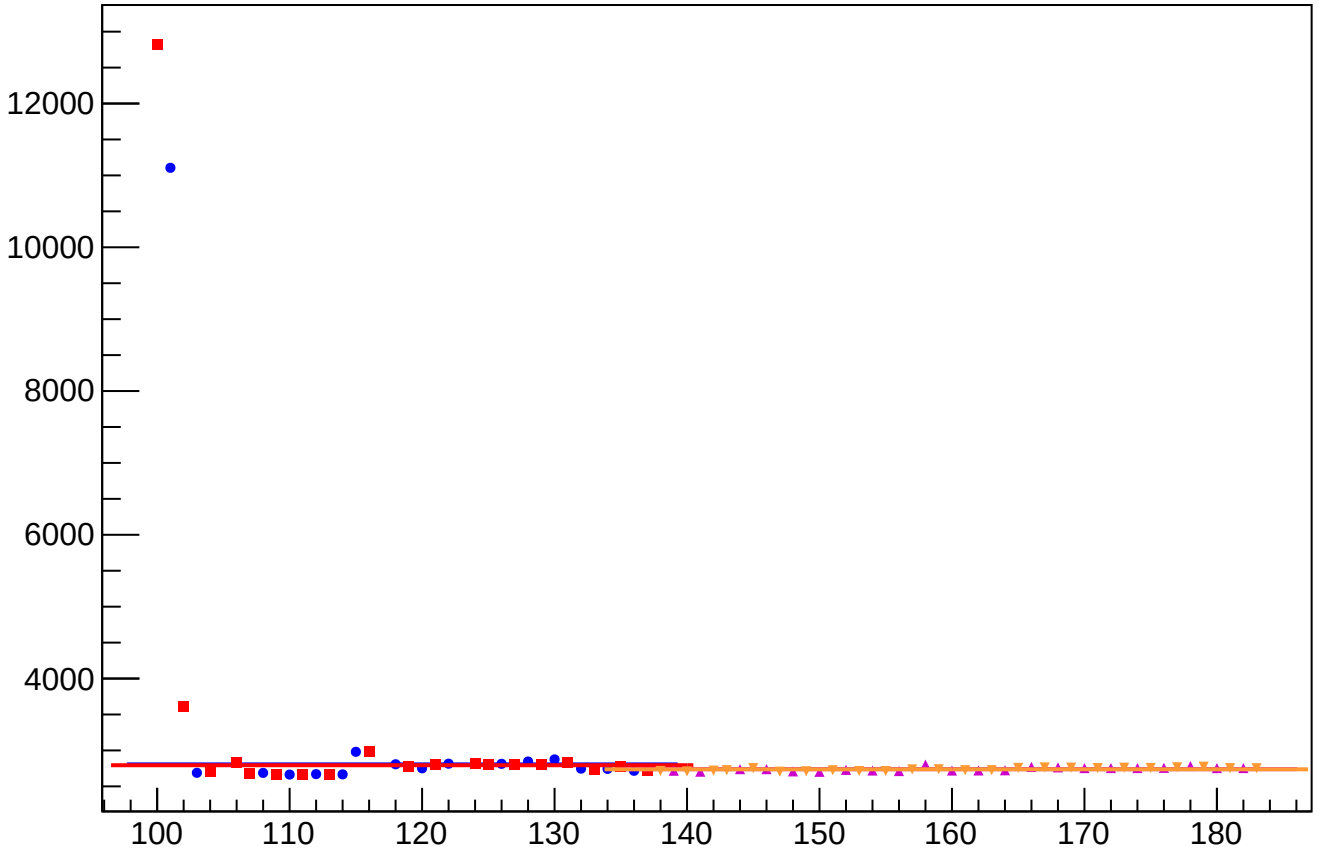
Left In: -2315.124+/-644.923 χ^2/NDF:30.1/21

+ sign 2504.657+/-540.382 χ^2/NDF: 47.5/39

All: 113.404+/-384.696 χ^2/NDF: 128.1/80

- sign -2343.757+/-547.778 χ^2/NDF: 40.8/40

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2737.431+/-0.443 χ^2/NDF:2314.6/23

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

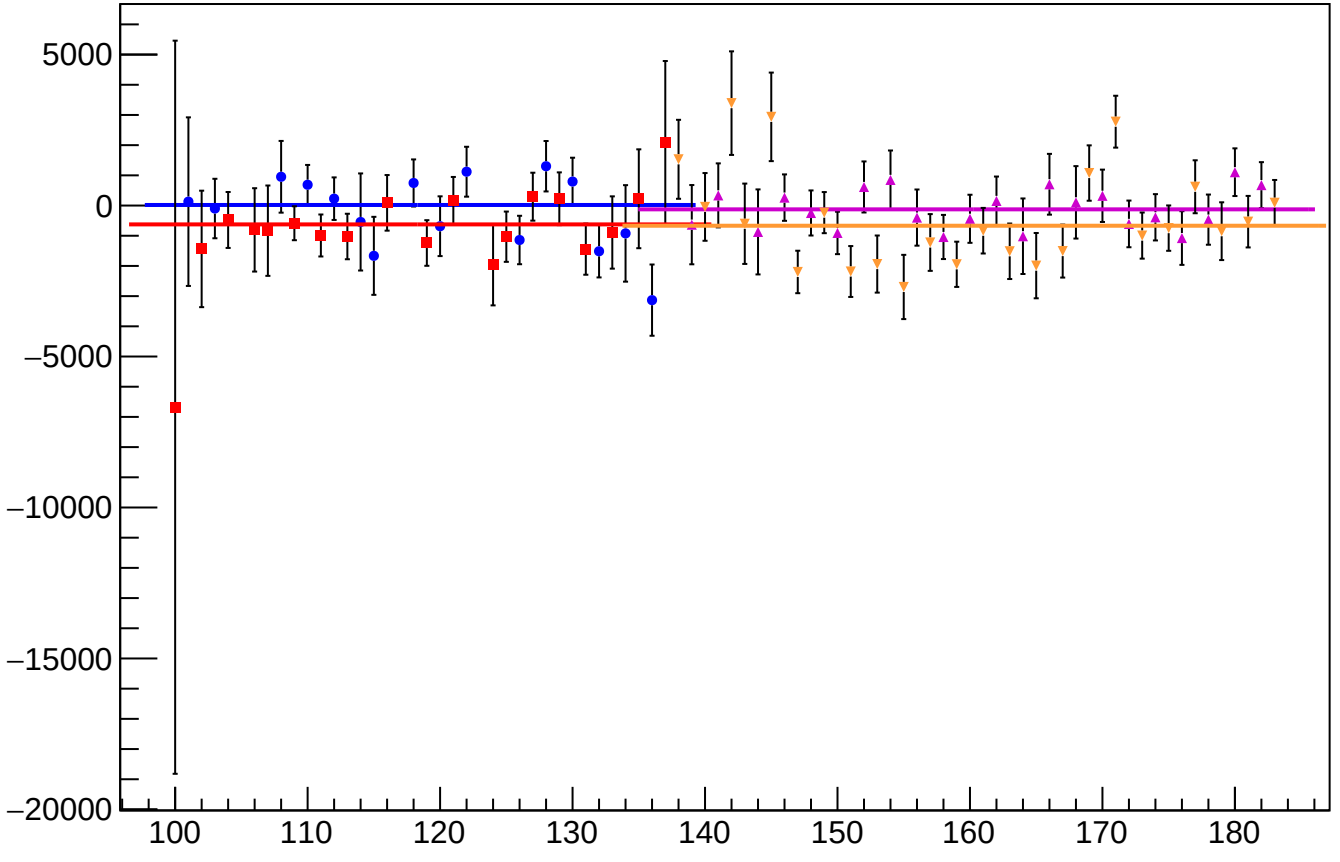
Left In: 2739.612+/-0.456 χ^2/NDF:3343.1/21

+ sign 2754.766+/-0.382 χ^2/NDF: 754571.3/39

All: 2754.786+/-0.272 χ^2/NDF: 908644.0/80

- sign 2754.807+/-0.387 χ^2/NDF: 154072.7/40

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -668.471+/-182.881 χ^2/NDF:58.3/23

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

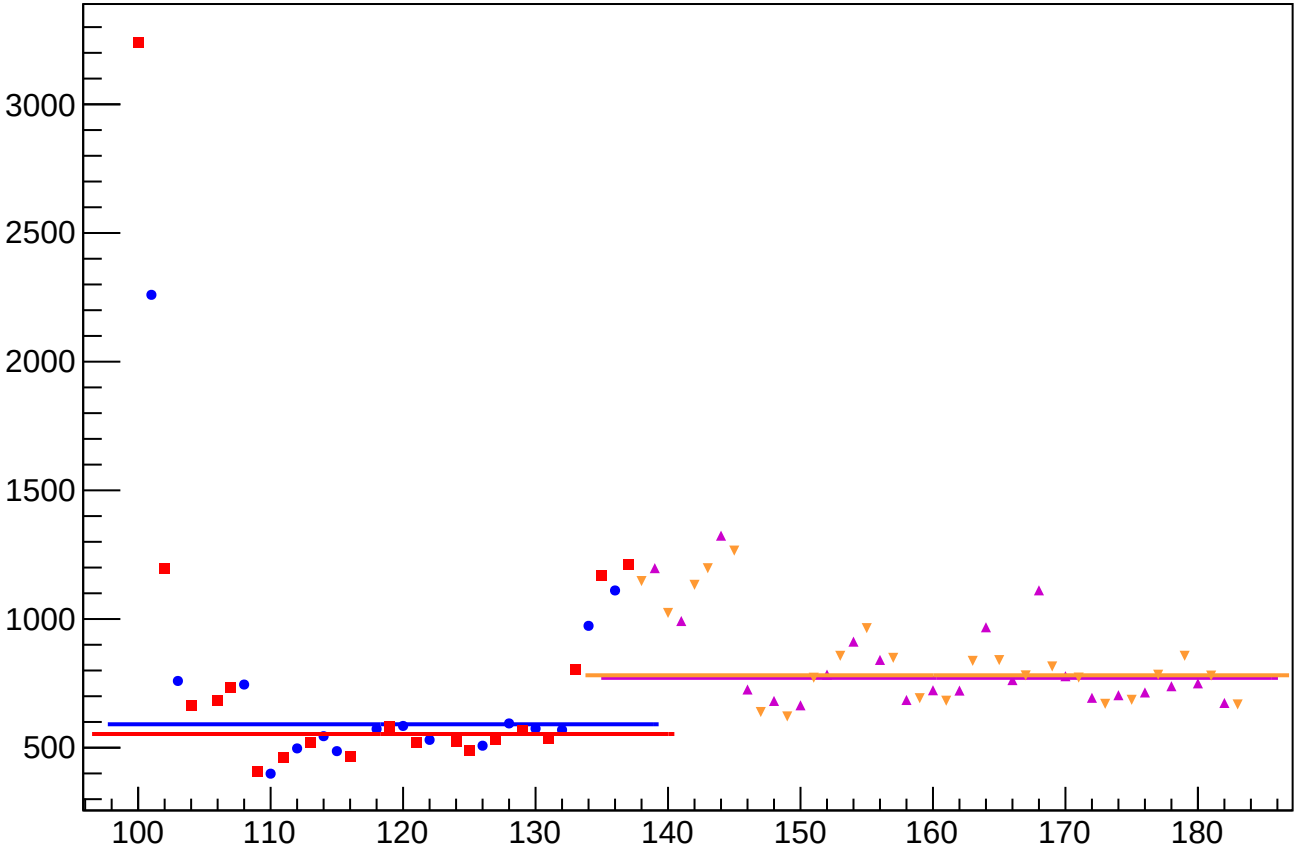
Left In: -125.906+/-185.199 χ^2/NDF:12.7/21

+ sign -407.076+/-143.971 χ^2/NDF: 86.4/39

All: -371.272+/-100.578 χ^2/NDF: 111.4/80

- sign -337.140+/-140.568 χ^2/NDF: 24.9/40

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 781.416+/-0.129 χ^2/NDF:1234125.9/23

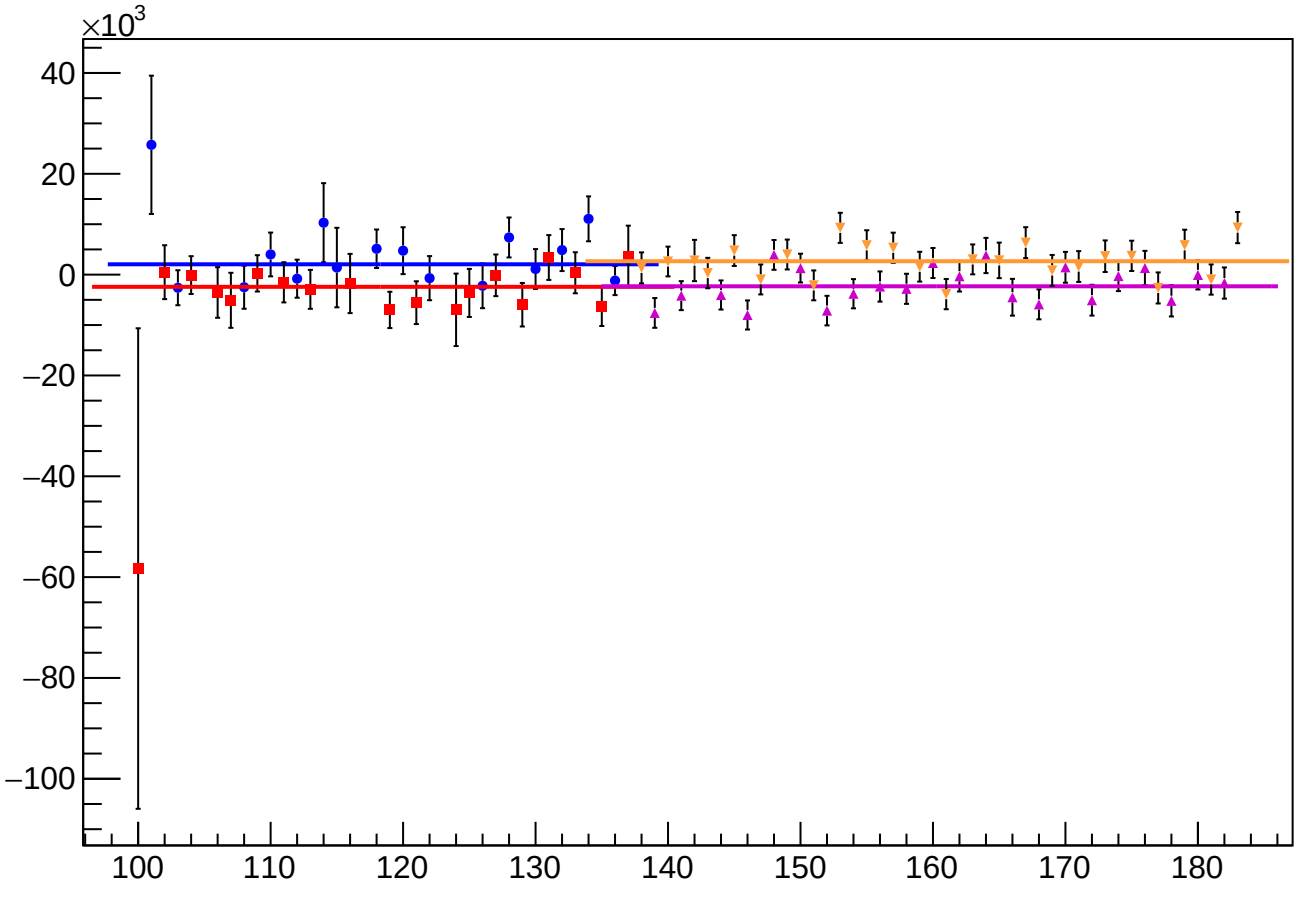
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 771.420+/-0.131 χ^2/NDF:1075064.2/21

+ sign 709.023+/-0.102 χ^2/NDF: 3624894.5/39

All: 693.617+/-0.071 χ^2/NDF: 7023067.1/80

- sign 678.930+/-0.099 χ^2/NDF: 3353439.0/40



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2660.618+/-626.013 χ^2/NDF:29.5/23

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

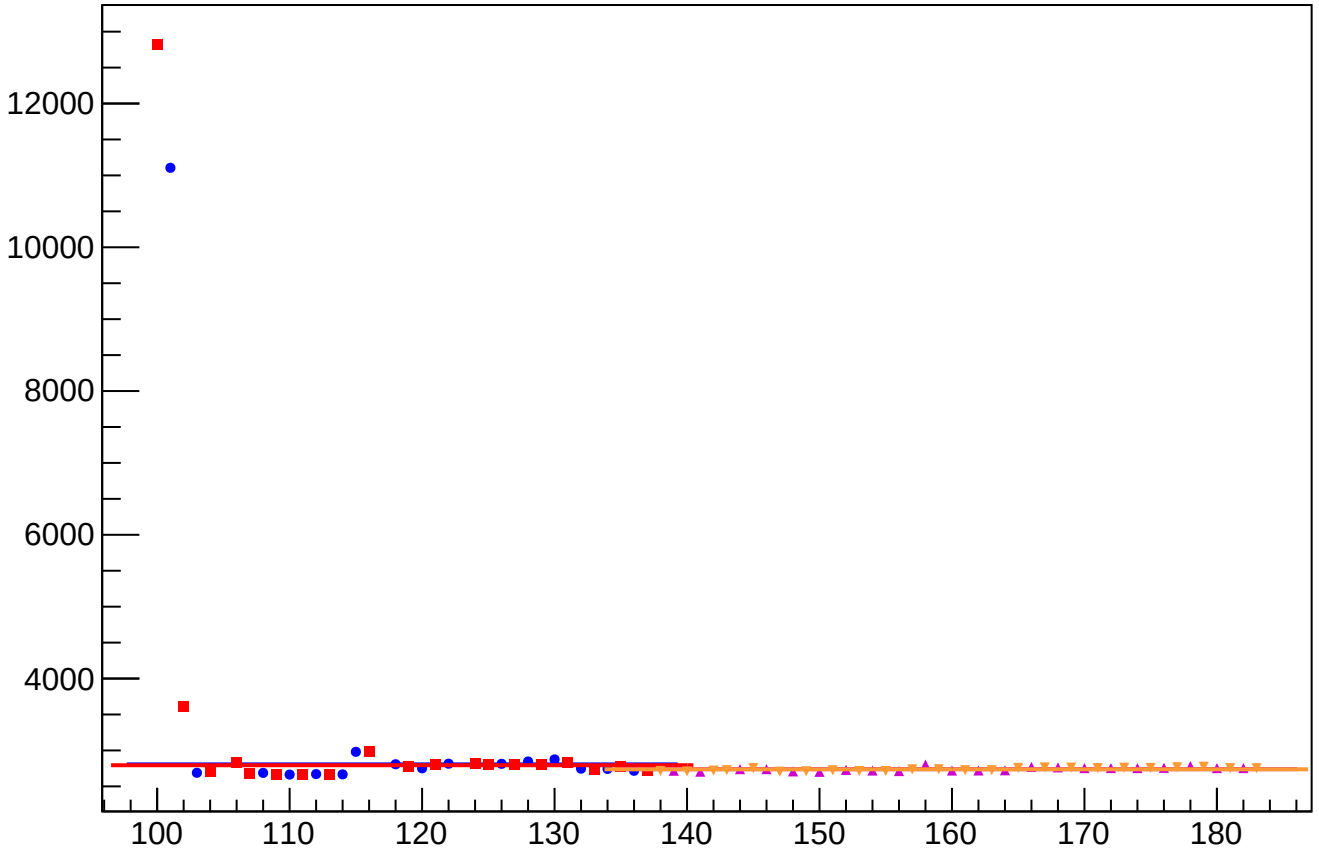
Left In: -2315.124+/-644.923 χ^2/NDF:30.1/21

+ sign 2504.657+/-540.382 χ^2/NDF: 47.5/39

All: 113.404+/-384.696 χ^2/NDF: 128.1/80

- sign -2343.757+/-547.778 χ^2/NDF: 40.8/40

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2737.431+/-0.443 χ^2/NDF:2314.6/23

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

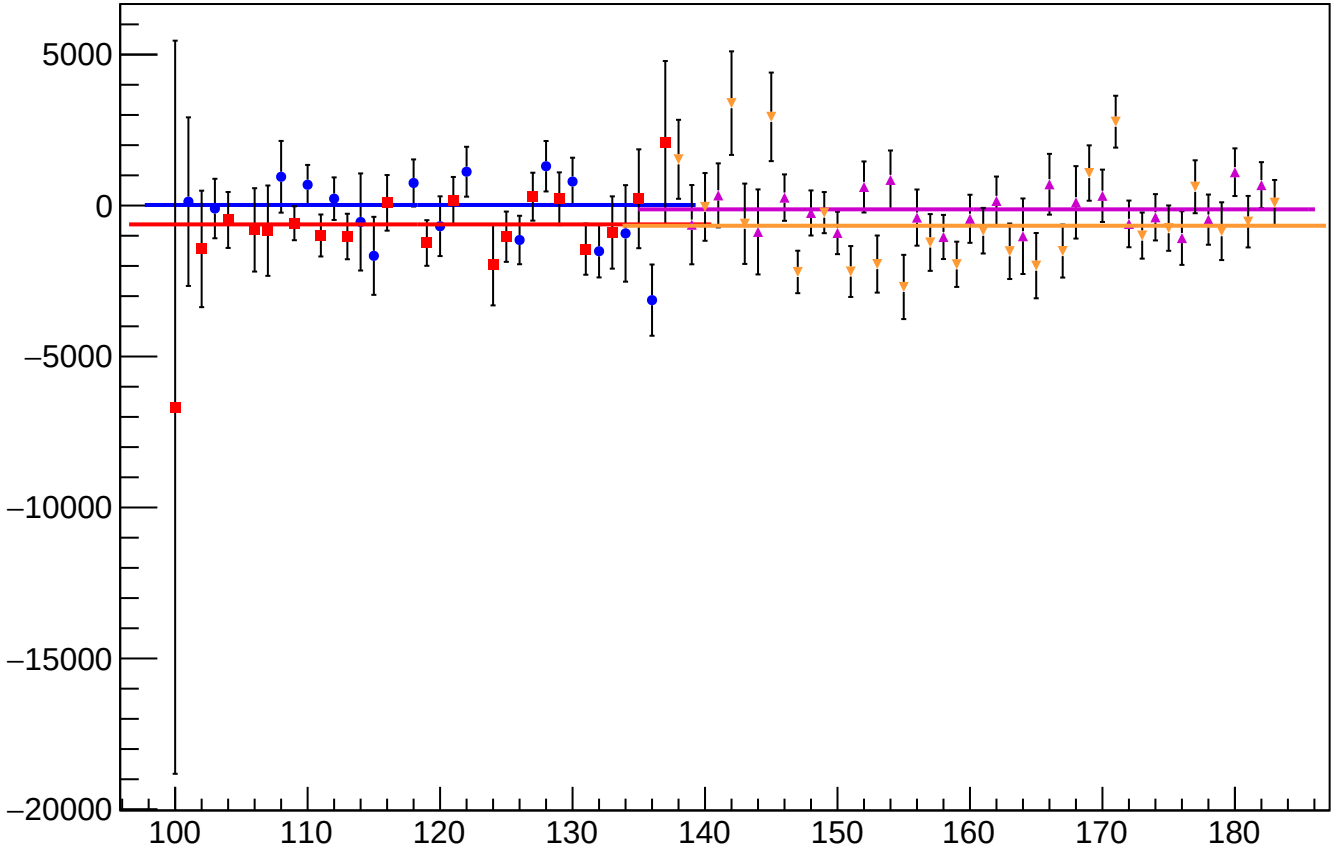
Left In: 2739.612+/-0.456 χ^2/NDF:3343.1/21

+ sign 2754.766+/-0.382 χ^2/NDF: 754571.3/39

All: 2754.786+/-0.272 χ^2/NDF: 908644.0/80

- sign 2754.807+/-0.387 χ^2/NDF: 154072.7/40

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -668.471+/-182.881 χ^2/NDF:58.3/23

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

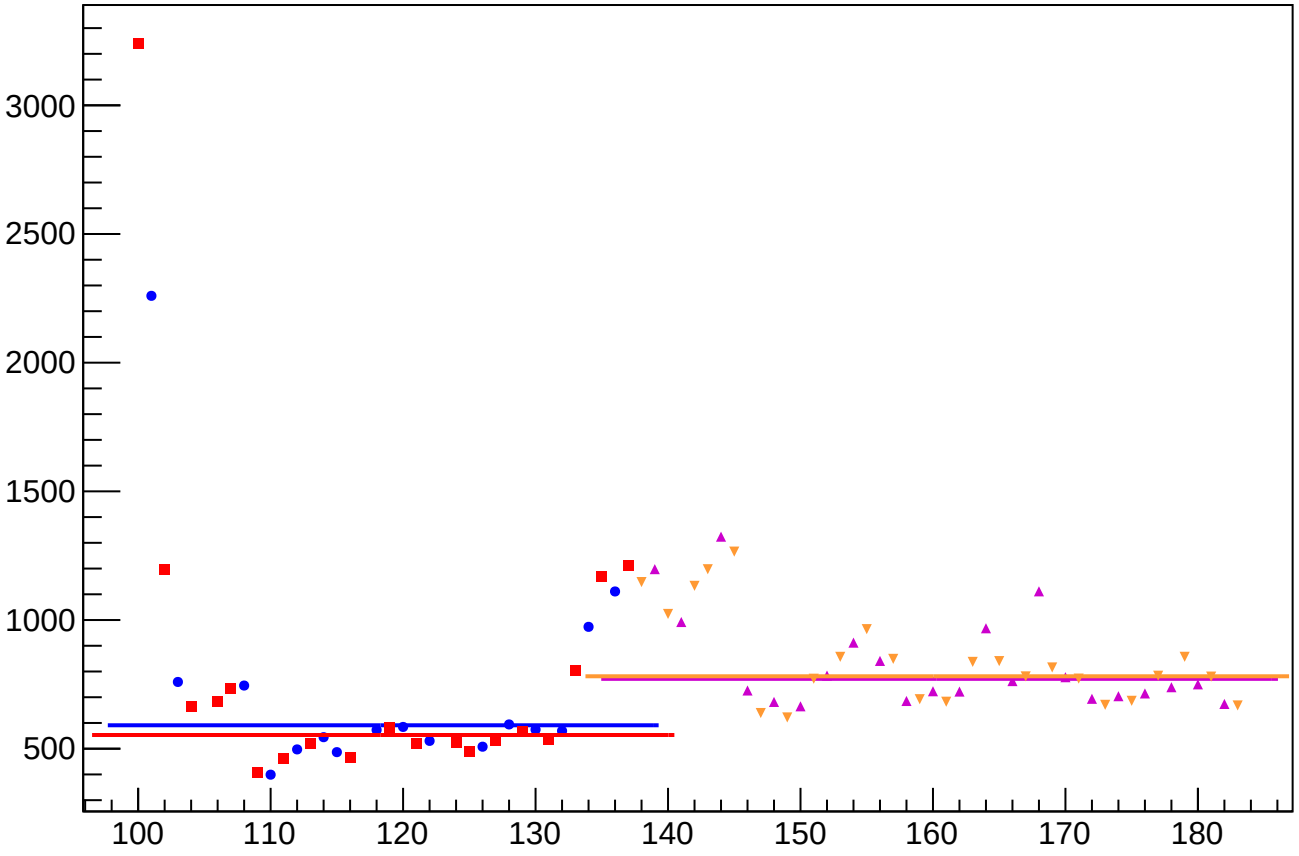
Left In: -125.906+/-185.199 χ^2/NDF:12.7/21

+ sign -407.076+/-143.971 χ^2/NDF: 86.4/39

All: -371.272+/-100.578 χ^2/NDF: 111.4/80

- sign -337.140+/-140.568 χ^2/NDF: 24.9/40

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 781.416+/-0.129 χ^2/NDF:1234125.9/23

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

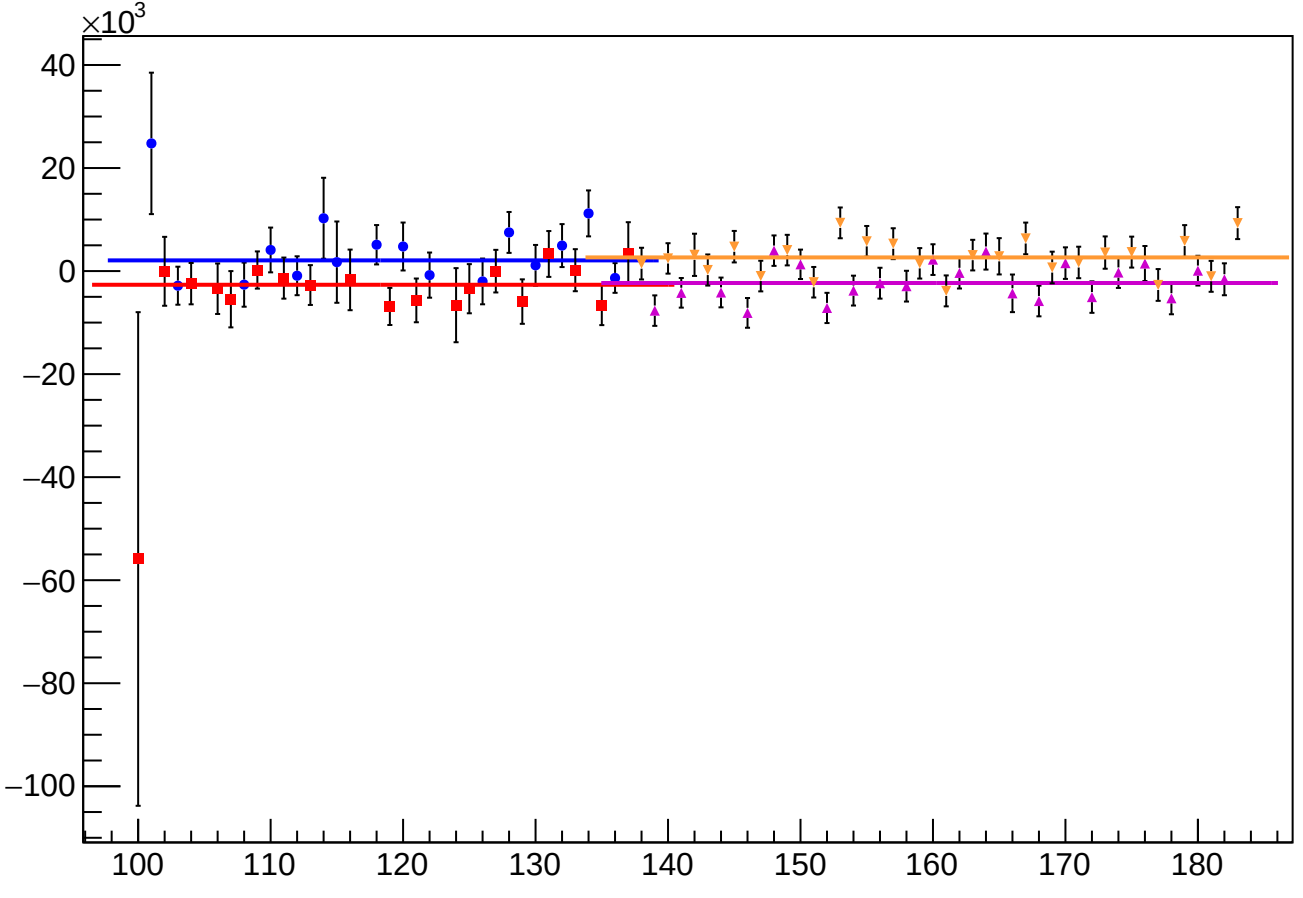
Left In: 771.420+/-0.131 χ^2/NDF:1075064.2/21

+ sign 709.023+/-0.102 χ^2/NDF: 3624894.5/39

All: 693.617+/-0.071 χ^2/NDF: 7023067.1/80

- sign 678.930+/-0.099 χ^2/NDF: 3353439.0/40

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2651.103+/-626.421 χ^2/NDF:29.7/23

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

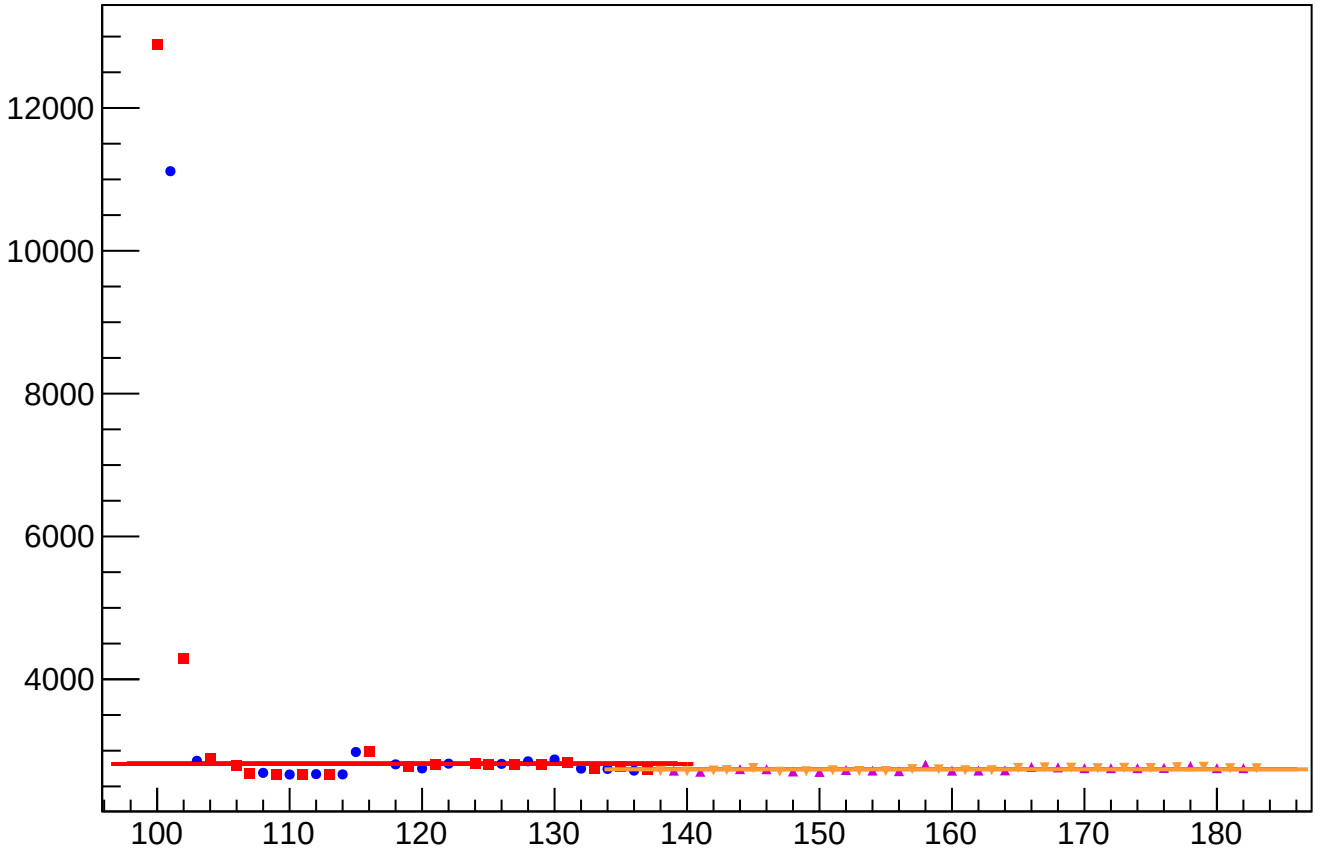
Left In: -2314.271+/-645.285 χ^2/NDF:30.5/21

+ sign 2505.452+/-541.512 χ^2/NDF: 47.8/39

All: 85.638+/-385.785 χ^2/NDF: 128.9/80

- sign -2408.327+/-549.746 χ^2/NDF: 40.5/40

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2739.208+/-0.443 χ^2/NDF:2318.8/23

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

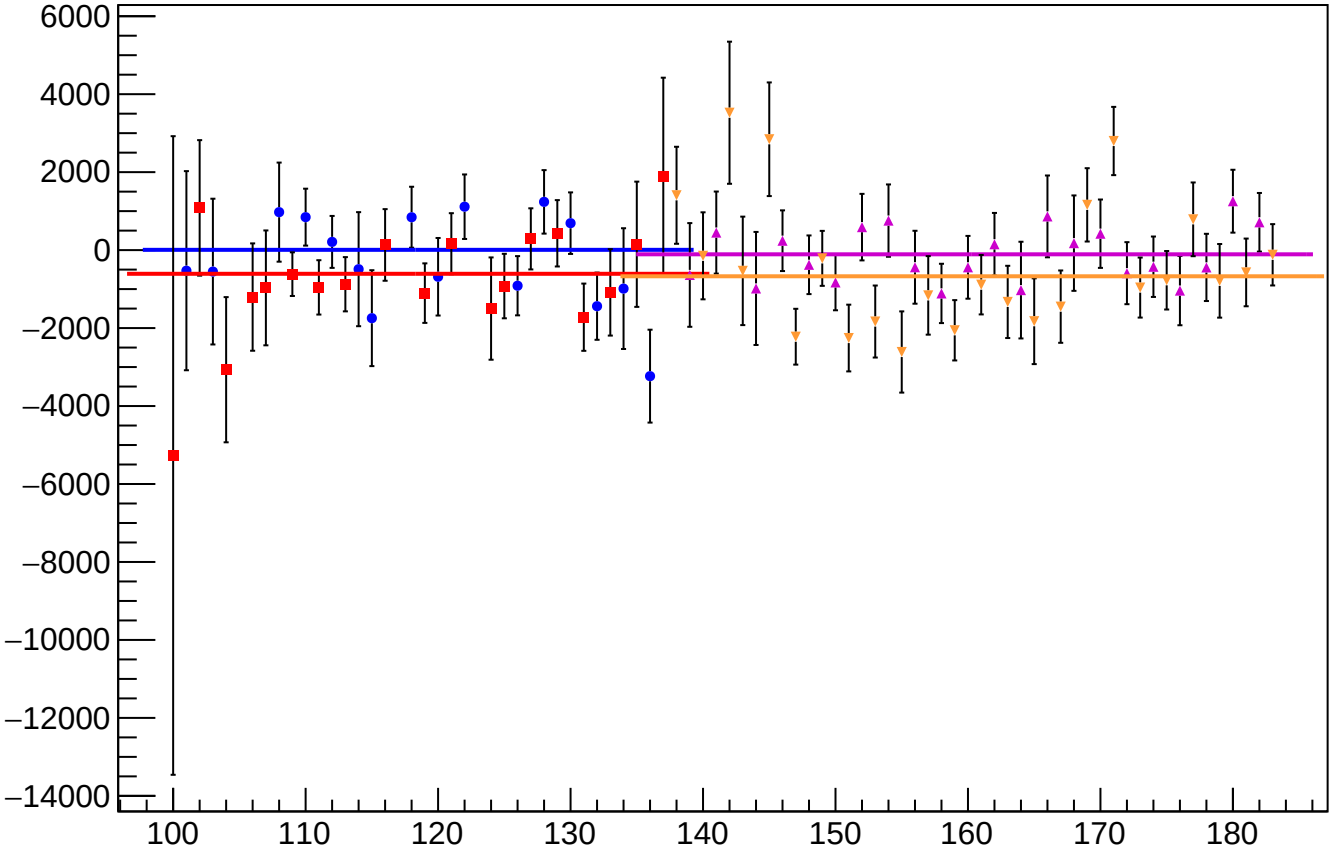
Left In: 2741.145+/-0.456 χ^2/NDF:3351.6/21

+ sign 2760.497+/-0.383 χ^2/NDF: 755375.4/39

All: 2760.781+/-0.273 χ^2/NDF: 966196.0/80

- sign 2761.073+/-0.389 χ^2/NDF: 210819.5/40

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -671.356+/-186.453 χ^2/NDF:56.1/23

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

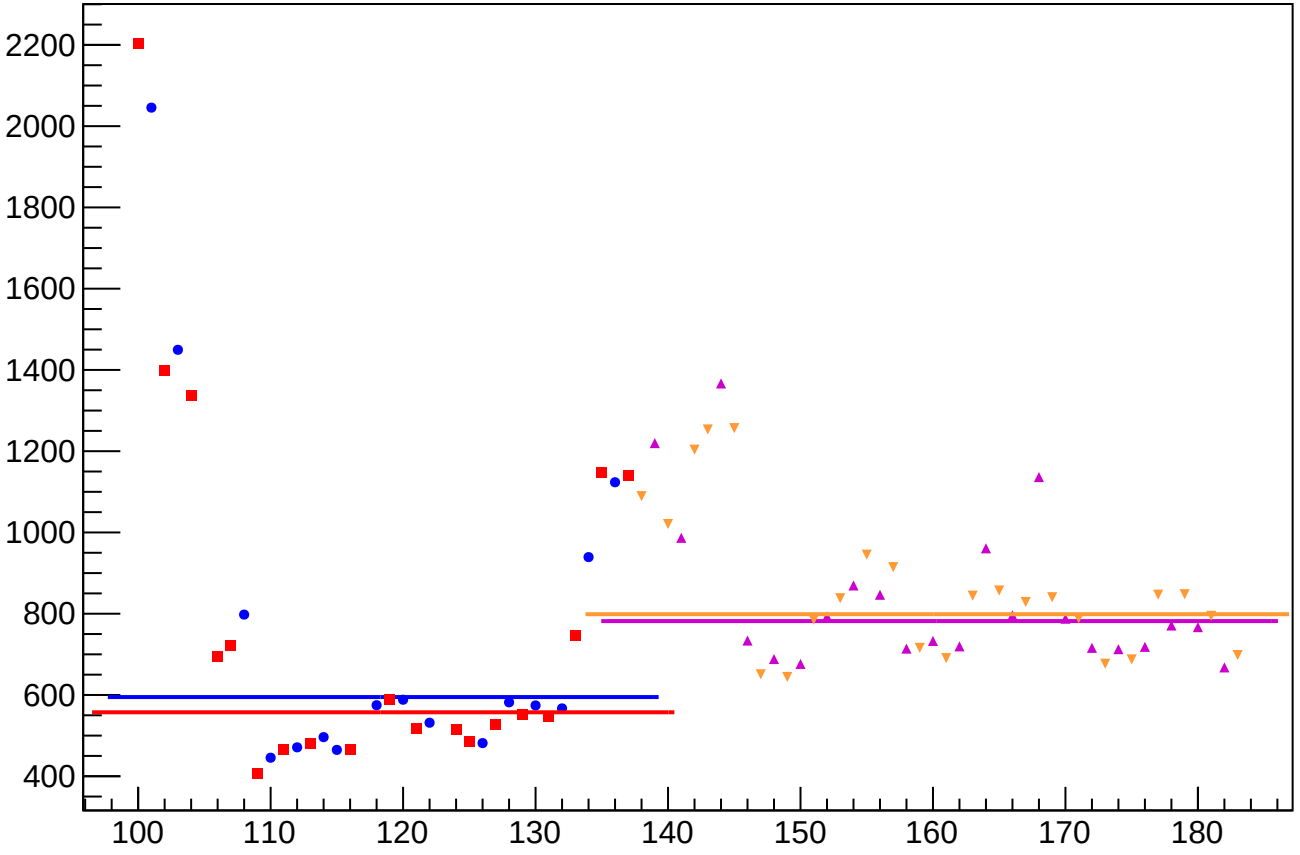
Left In: -107.746+/-187.318 χ^2/NDF:13.5/21

+ sign -412.610+/-146.647 χ^2/NDF: 84.0/39

All: -365.319+/-101.946 χ^2/NDF: 112.9/80

- sign -321.088+/-141.822 χ^2/NDF: 28.7/40

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 798.756+/-0.132 χ^2/NDF:1166711.9/23

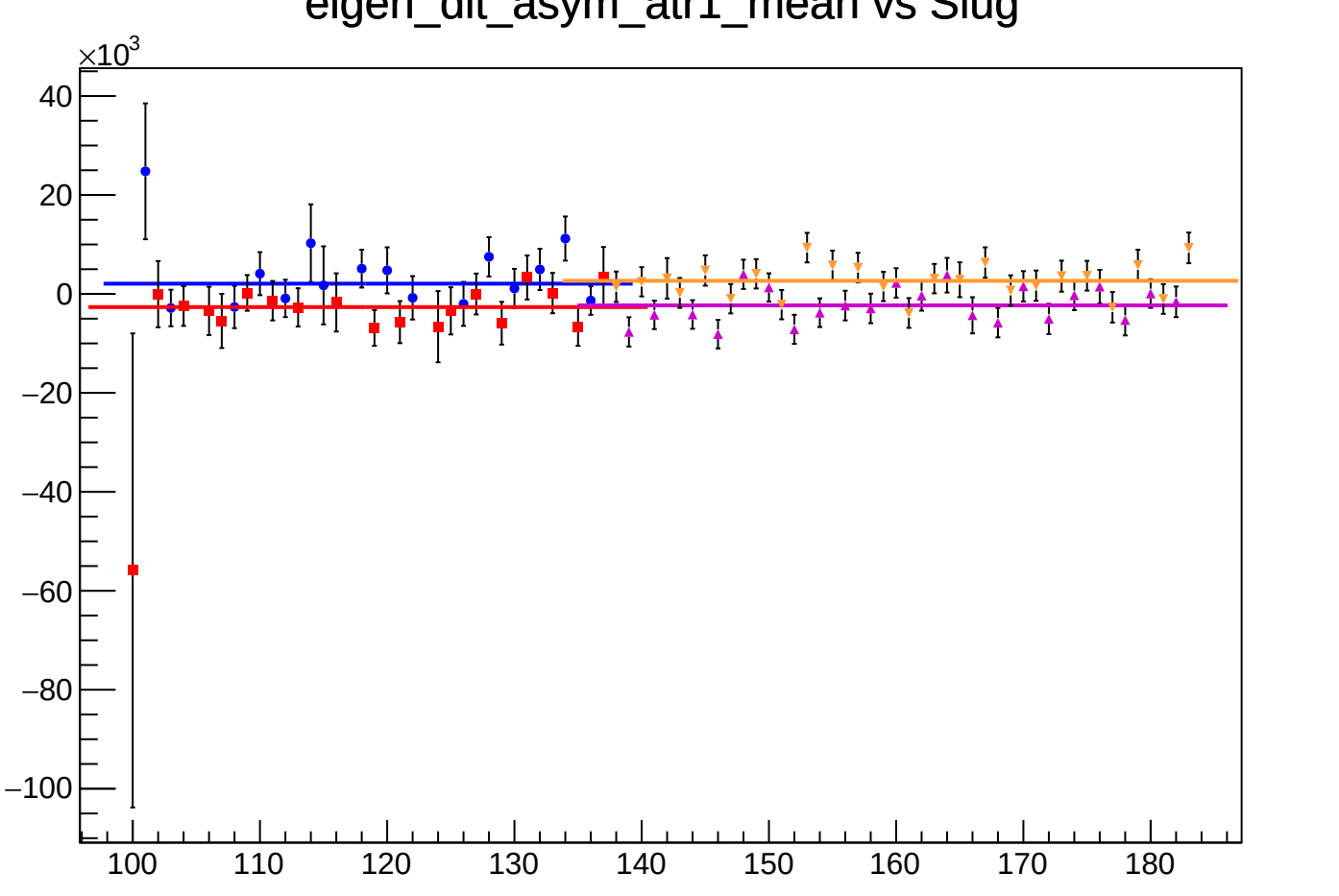
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 781.863+/-0.132 χ^2/NDF:1059722.8/21

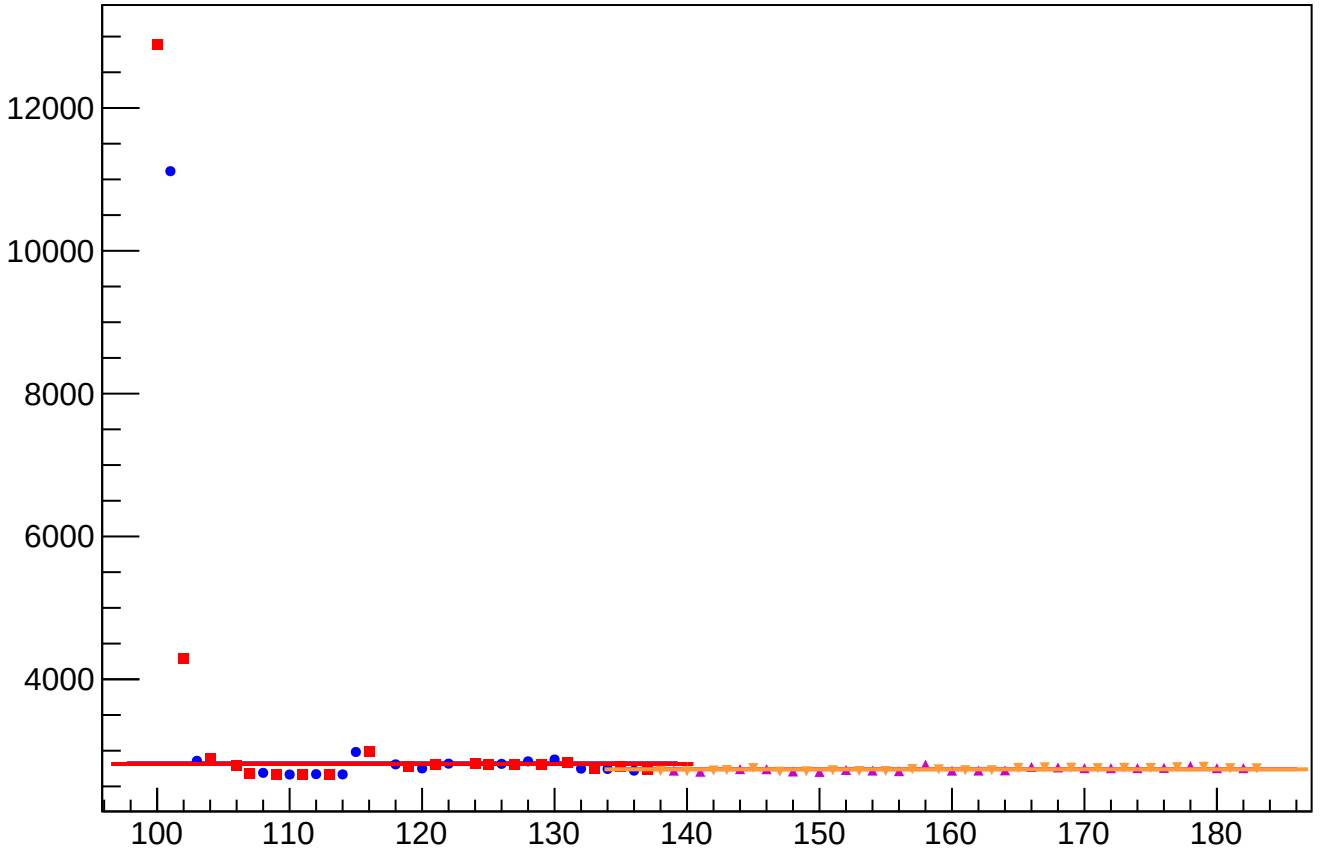
+ sign 720.988+/-0.104 χ^2/NDF: 3931590.2/39

All: 702.944+/-0.072 χ^2/NDF: 7906878.7/80

- sign 686.068+/-0.100 χ^2/NDF: 3916688.7/40


eigen_dit_asym_atr1_mean vs Slug
×10^3
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: 2074.766+/-1077.182 χ²/NDF: 17.9/15
Left Out: 2651.104+/-626.421 χ²/NDF:29.7/23
Right Out: -2657.300+/-1049.868 χ²/NDF: 9.9/18
Left In: -2314.271+/-645.285 χ²/NDF:30.5/21
+ sign 2505.452+/-541.512 χ²/NDF: 47.8/39
All: 85.638+/-385.785 χ²/NDF: 128.9/80
- sign -2408.327+/-549.746 χ²/NDF: 40.5/40

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2739.208+/-0.443 χ^2/NDF:2318.8/23

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

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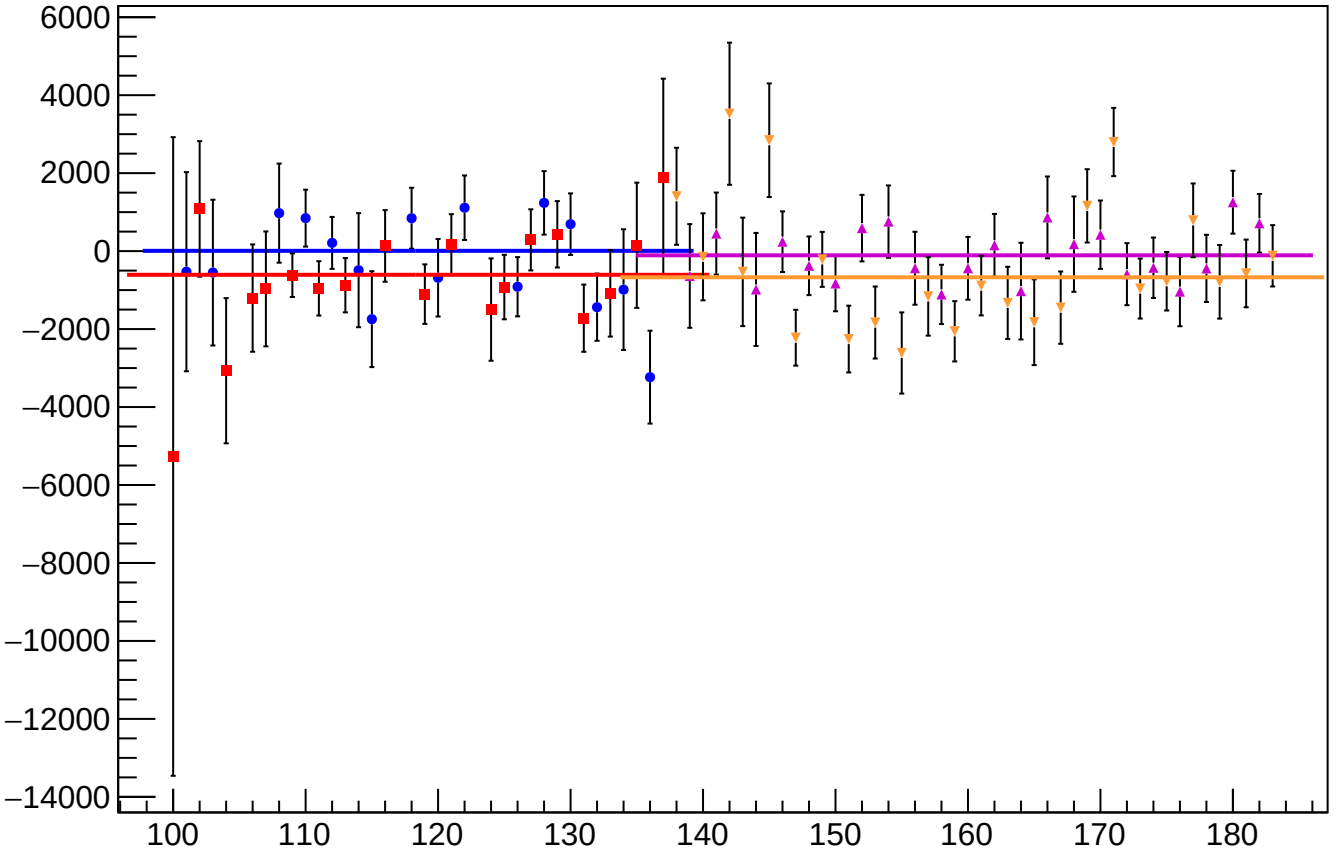
+ sign 2760.497+/-0.383 χ^2/NDF: 755375.4/39

All: 2760.781+/-0.273 χ^2/NDF: 966195.8/80

- sign 2761.073+/-0.389 χ^2/NDF: 210819.3/40

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -671.357+/-186.453 χ^2/NDF:56.1/23

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

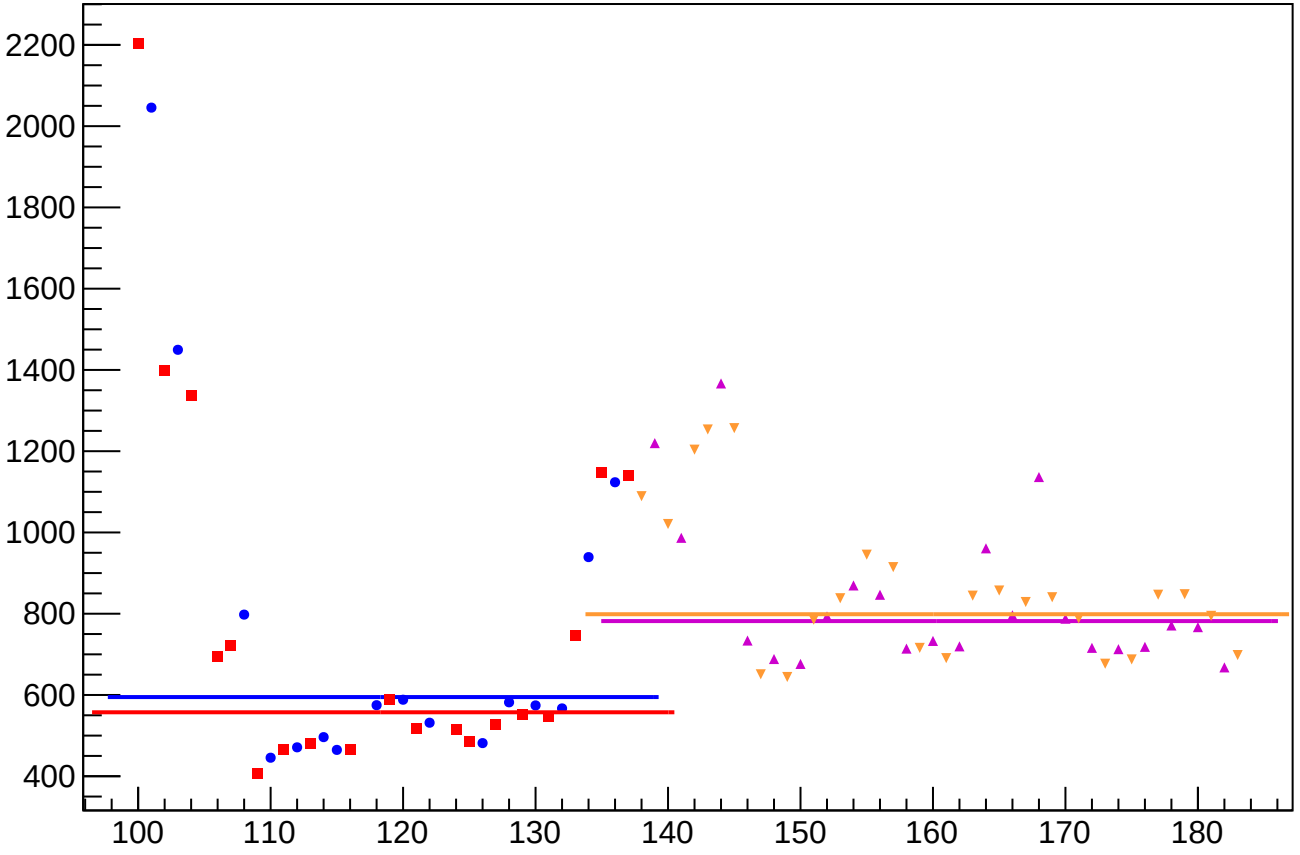
Left In: -107.746+/-187.318 χ^2/NDF:13.5/21

\+ sign -412.611+/-146.647 χ^2/NDF: 84.0/39

All: -365.319+/-101.946 χ^2/NDF: 112.9/80

\- sign -321.088+/-141.822 χ^2/NDF: 28.7/40

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 798.756+/-0.132 χ^2/NDF:1166713.7/23

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 781.863+/-0.132 χ^2/NDF:1059726.0/21

+ sign 720.989+/-0.104 χ^2/NDF: 3931583.0/39

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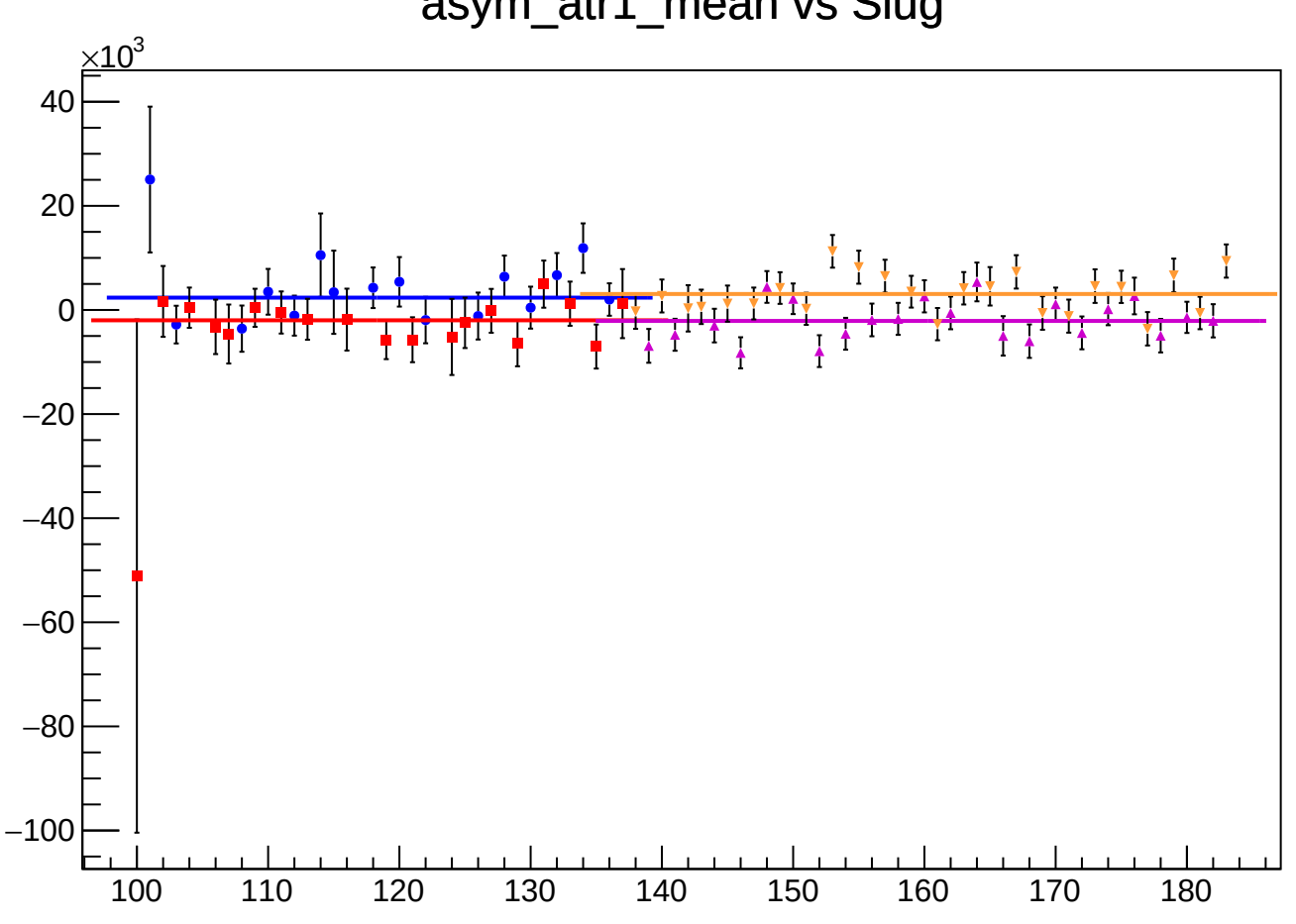


Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3066.646+/-657.846 χ^2/NDF:34.1/23

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

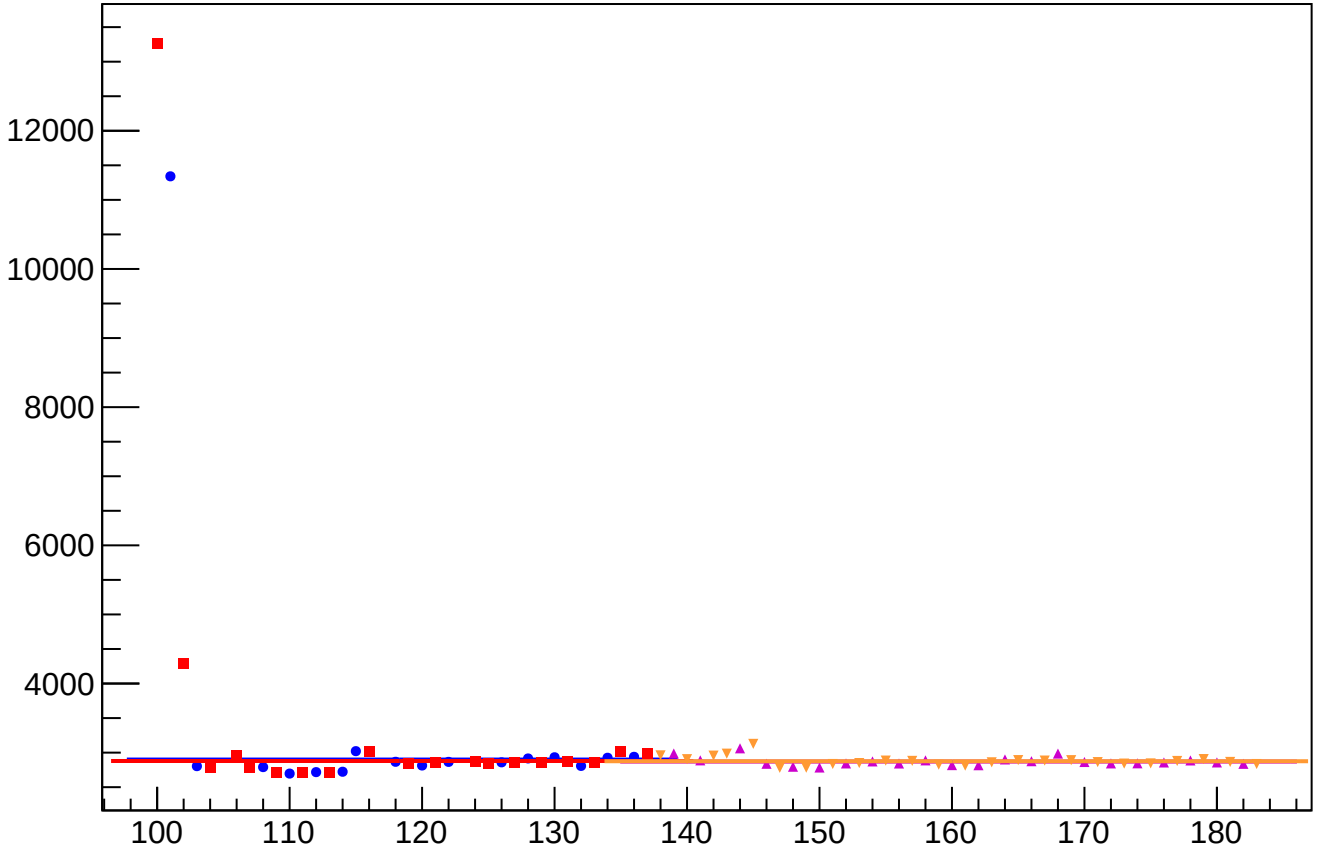
Left In: -2108.886+/-675.900 χ^2/NDF:31.6/21

+ sign 2883.903+/-565.419 χ^2/NDF: 51.3/39

All: 434.504+/-402.203 χ^2/NDF: 131.2/80

- sign -2074.379+/-572.244 χ^2/NDF: 41.9/40

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2875.550+/-0.465 χ^2/NDF:21661.4/23

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

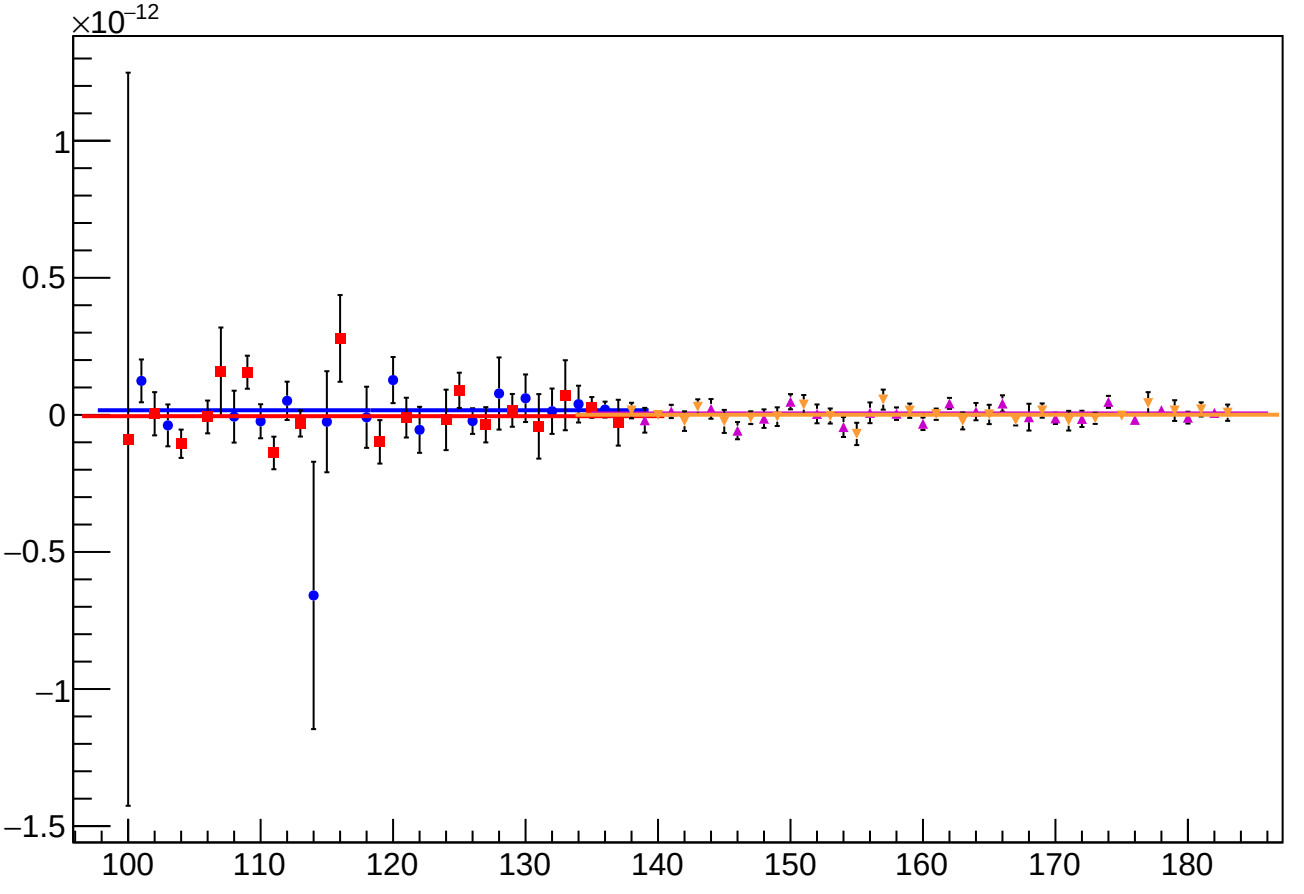
Left In: 2870.418+/-0.478 χ^2/NDF:17668.7/21

+ sign 2881.893+/-0.400 χ^2/NDF: 764191.1/39

All: 2877.419+/-0.284 χ^2/NDF: 975486.2/80

- sign 2872.837+/-0.405 χ^2/NDF: 211041.6/40

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

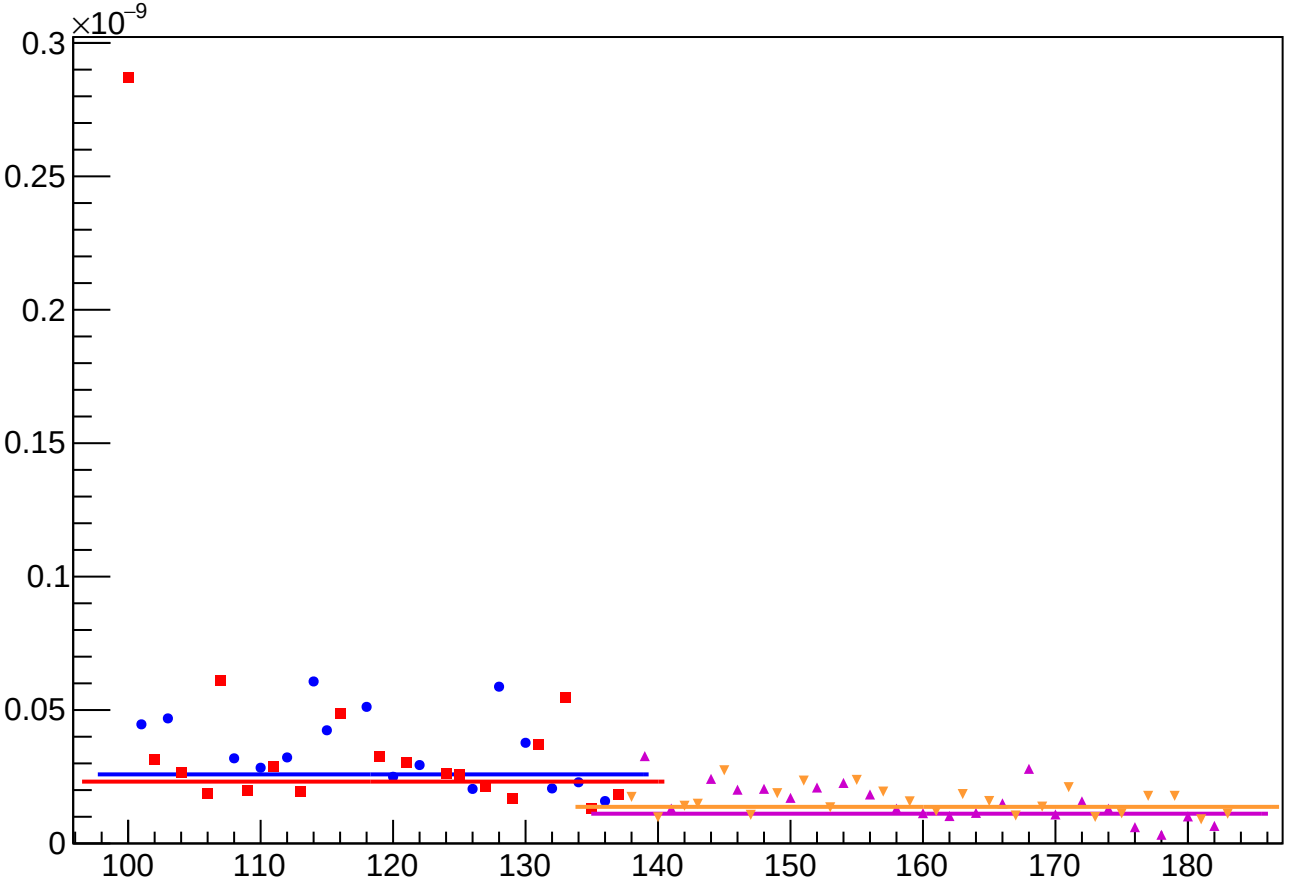
Left In: 0.000+/-0.000 χ^2/NDF:25.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 23.5/39

All: 0.000+/-0.000 χ^2/NDF: 75.1/80

- sign 0.000+/-0.000 χ^2/NDF: 51.5/40

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210241.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

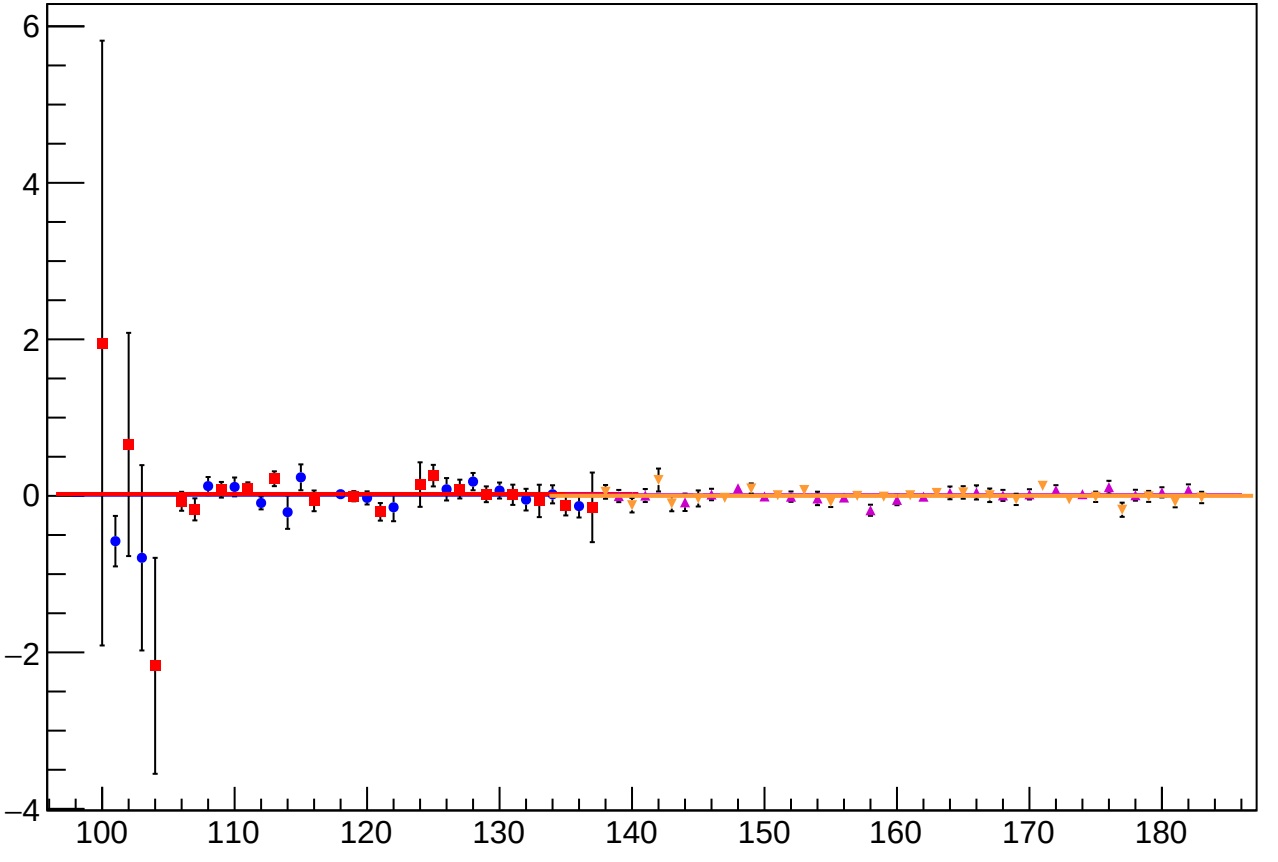
Left In: 0.000+/-0.000 χ^2/NDF:3164210.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 3017894.4/39

All: 0.000+/-0.000 χ^2/NDF: 8206071.3/80

- sign 0.000+/-0.000 χ^2/NDF: 4918865.0/40

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.7/23

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

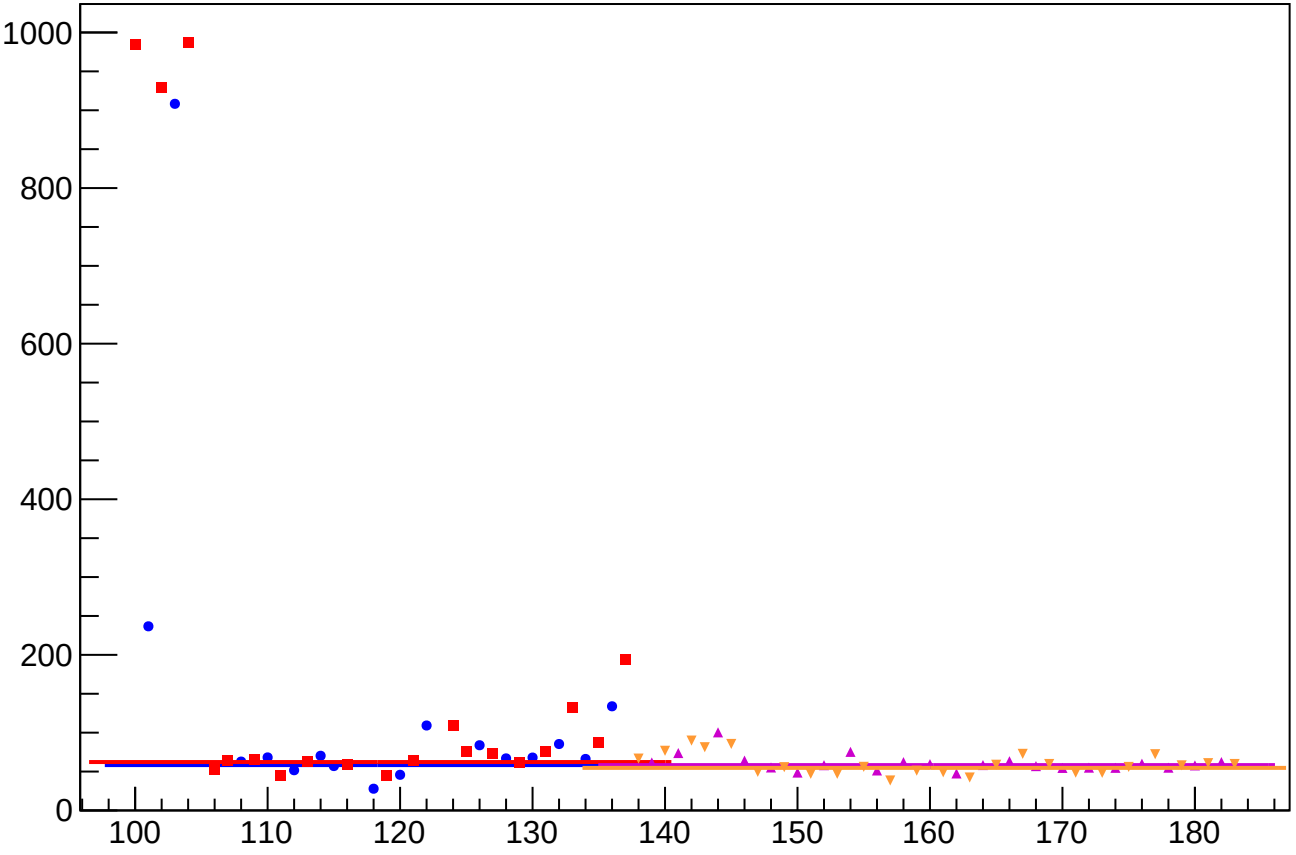
Left In: 0.009+/-0.015 χ^2/NDF:15.5/21

\+ sign 0.004+/-0.013 χ^2/NDF: 36.9/39

All: 0.008+/-0.009 χ^2/NDF: 73.7/80

\- sign 0.012+/-0.013 χ^2/NDF: 36.5/40

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.715+/-0.010 χ^2/NDF:1206702.8/23

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

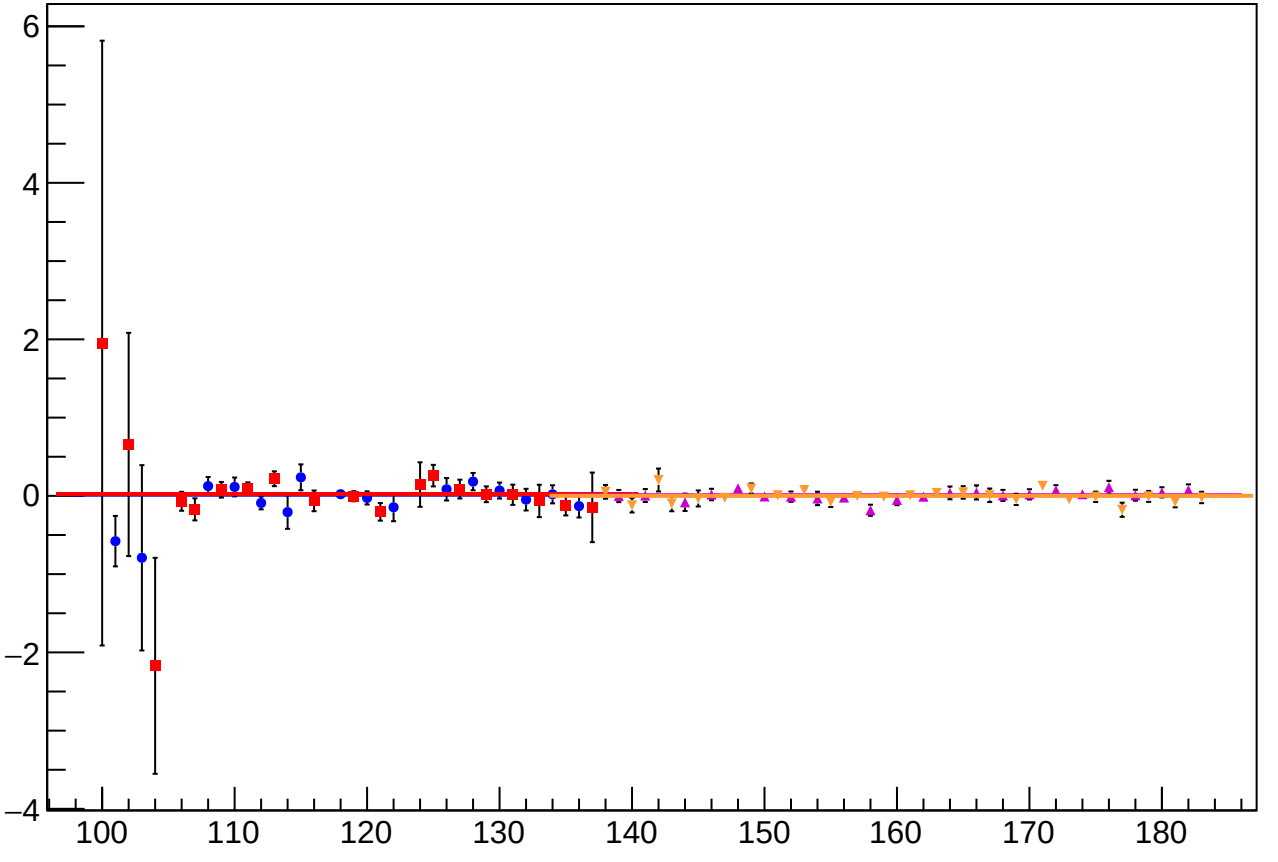
Left In: 58.288+/-0.011 χ^2/NDF:647874.9/21

\+ sign 55.452+/-0.009 χ^2/NDF: 4493680.5/39

All: 57.220+/-0.006 χ^2/NDF: 7882141.4/80

\- sign 59.166+/-0.009 χ^2/NDF: 3305747.3/40

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.7/23

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

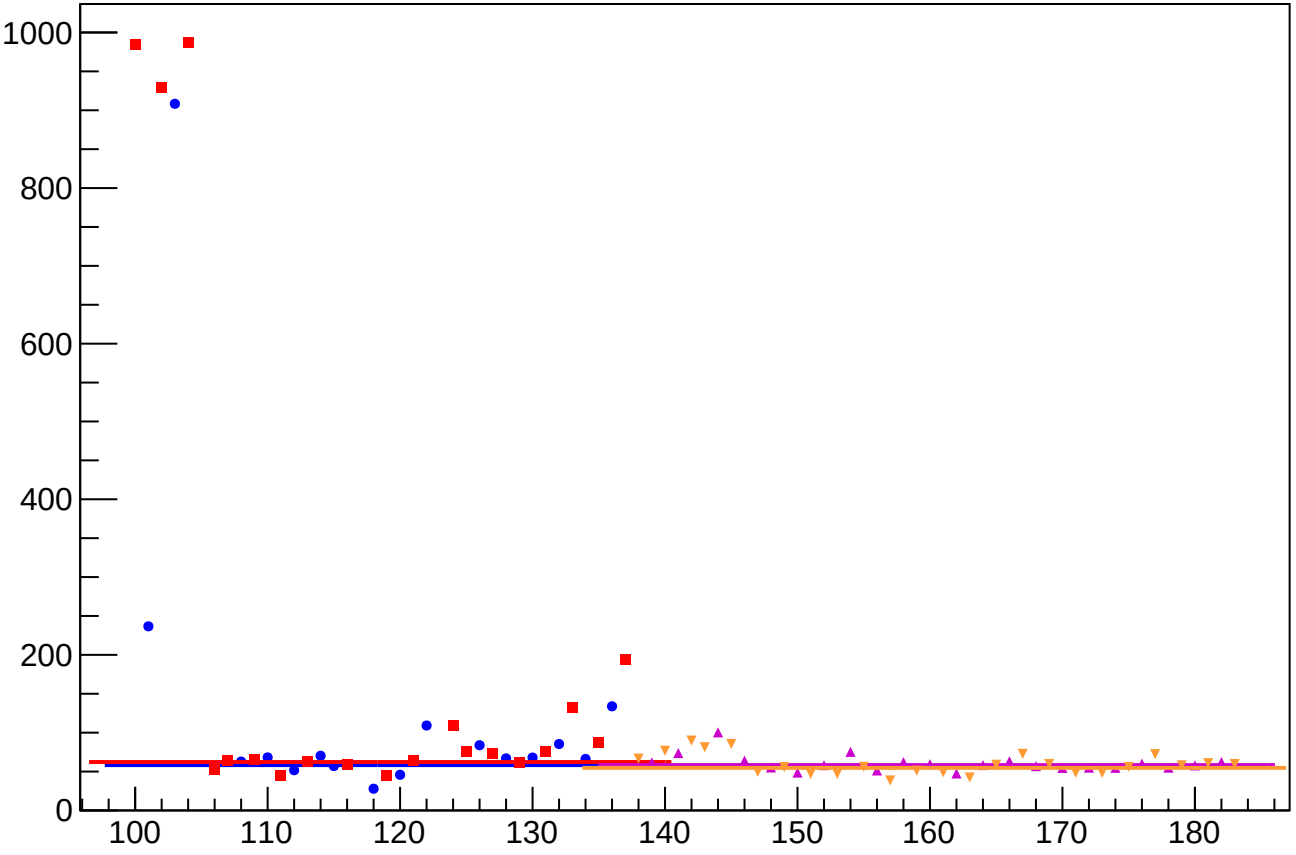
Left In: 0.009+/-0.015 χ^2/NDF:15.5/21

\+ sign 0.004+/-0.013 χ^2/NDF: 36.9/39

All: 0.008+/-0.009 χ^2/NDF: 73.7/80

\- sign 0.012+/-0.013 χ^2/NDF: 36.5/40

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.715+/-0.010 χ^2/NDF:1206702.8/23

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

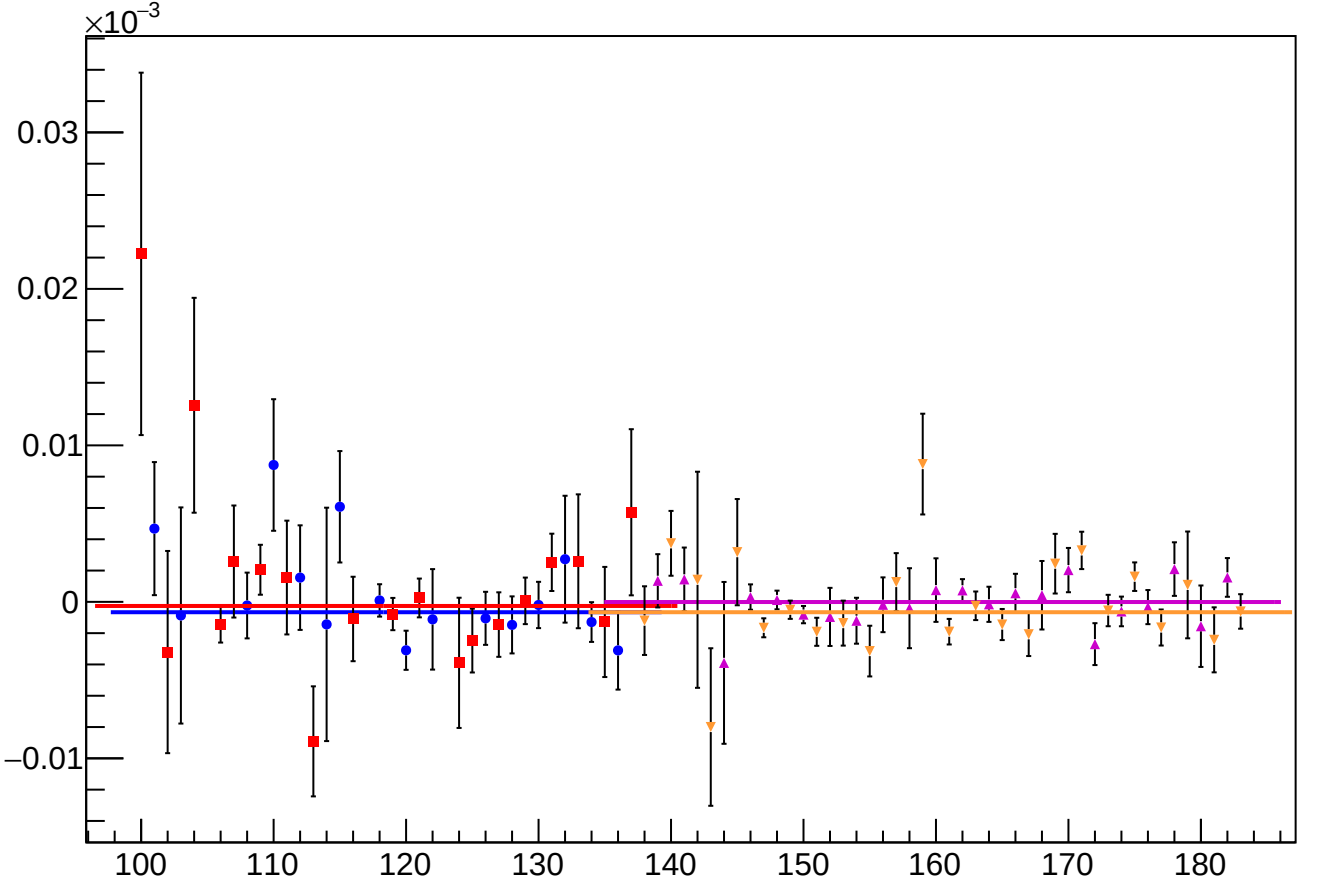
Left In: 58.288+/-0.011 χ^2/NDF:647874.9/21

+ sign 55.452+/-0.009 χ^2/NDF: 4493680.5/39

All: 57.220+/-0.006 χ^2/NDF: 7882141.4/80

- sign 59.166+/-0.009 χ^2/NDF: 3305747.3/40

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

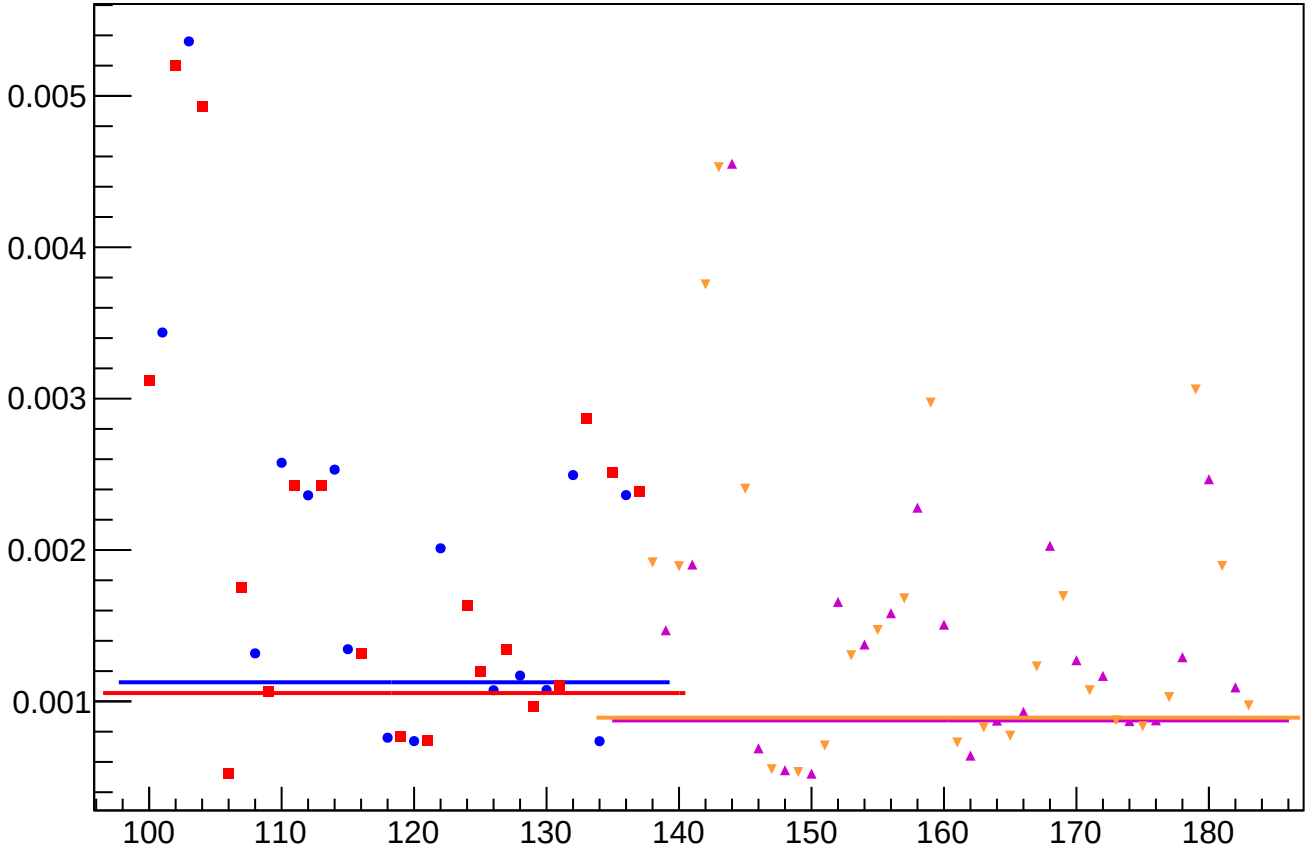
Left In: -0.000+/-0.000 χ^2/NDF:16.6/21

+ sign -0.000+/-0.000 χ^2/NDF: 68.0/39

All: -0.000+/-0.000 χ^2/NDF: 113.3/80

- sign -0.000+/-0.000 χ^2/NDF: 41.4/40

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:7739050.5/23

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

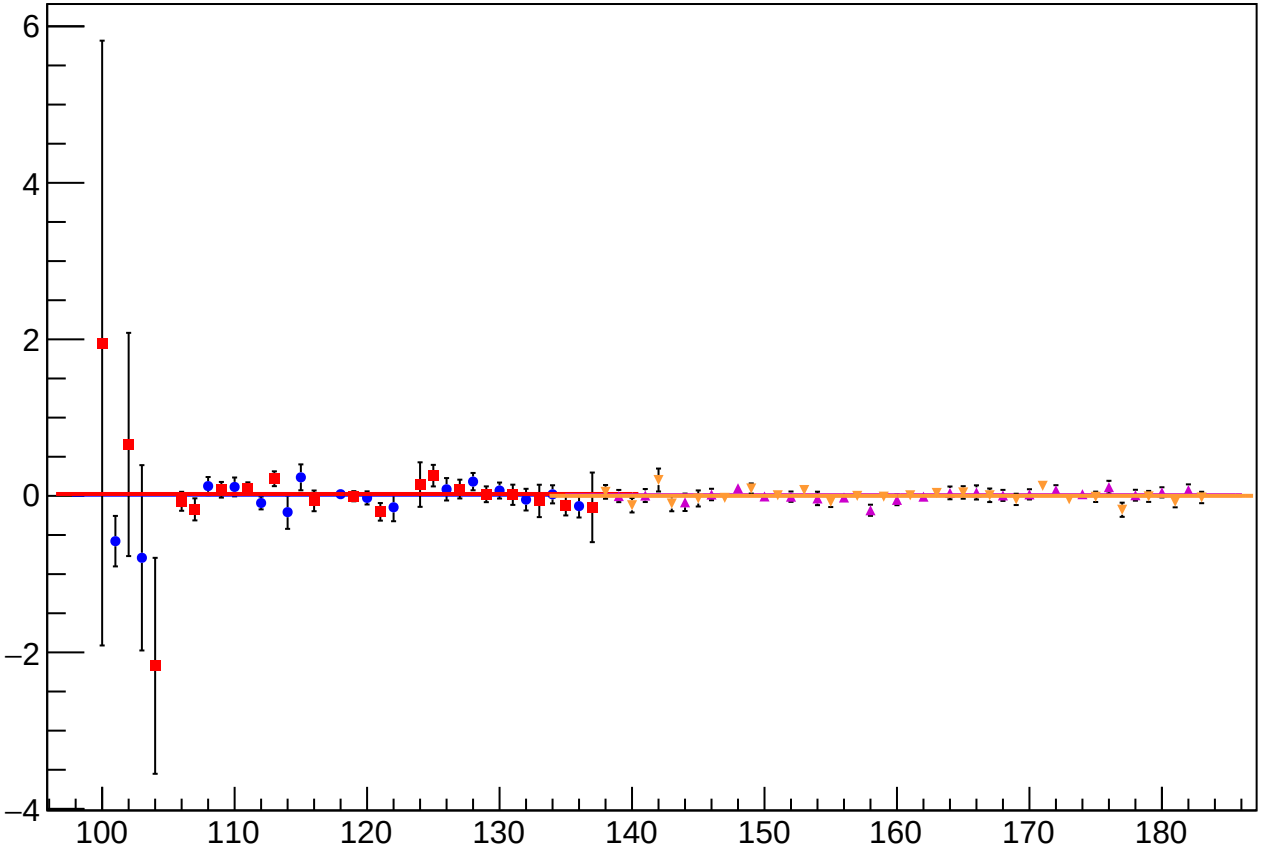
Left In: 0.001+/-0.000 χ^2/NDF:6963599.8/21

+ sign 0.001+/-0.000 χ^2/NDF: 11561633.9/39

All: 0.001+/-0.000 χ^2/NDF: 22626072.6/80

- sign 0.001+/-0.000 χ^2/NDF: 11051369.3/40

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.7/23

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

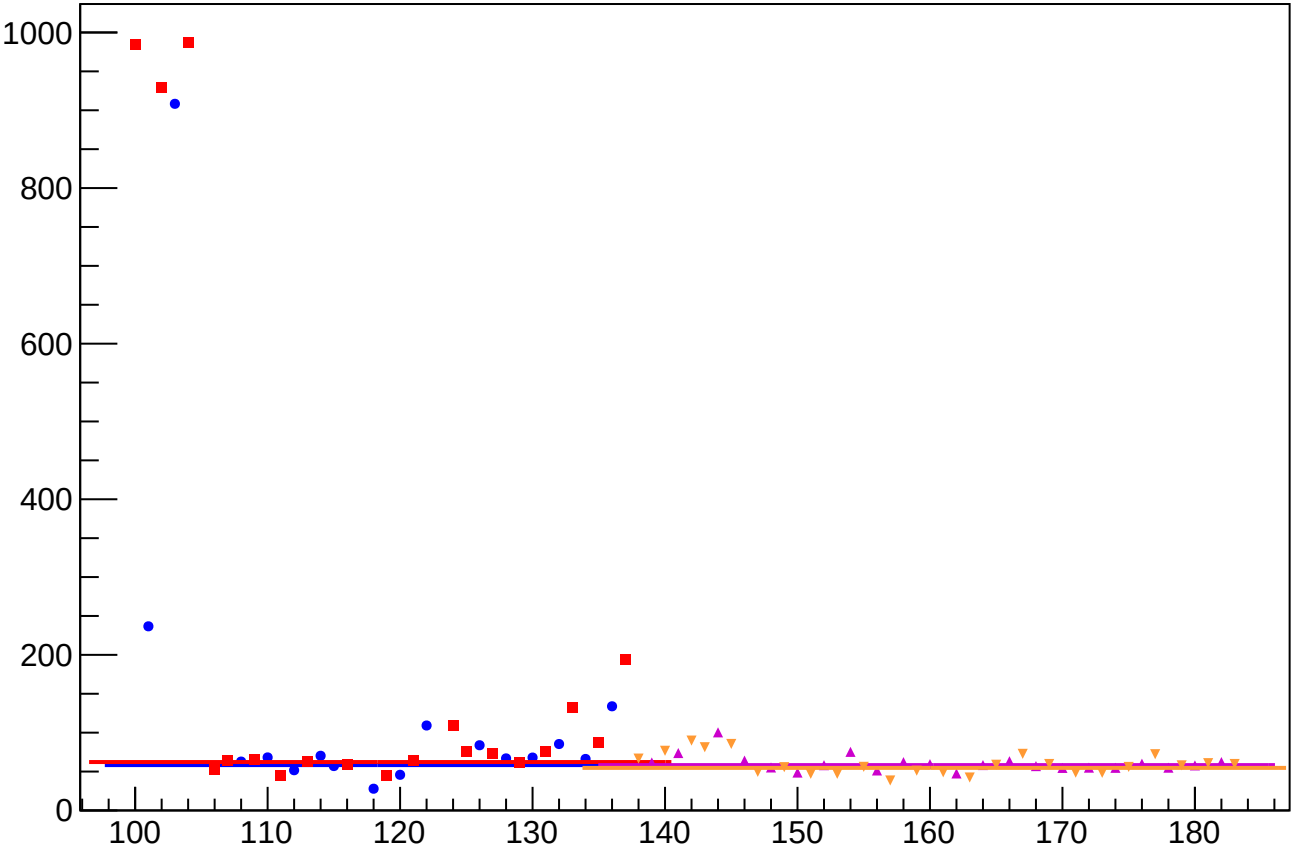
Left In: 0.009+/-0.015 χ^2/NDF:15.5/21

+ sign 0.004+/-0.013 χ^2/NDF: 36.9/39

All: 0.008+/-0.009 χ^2/NDF: 73.7/80

- sign 0.012+/-0.013 χ^2/NDF: 36.5/40

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.714+/-0.010 χ^2/NDF:1206777.2/23

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

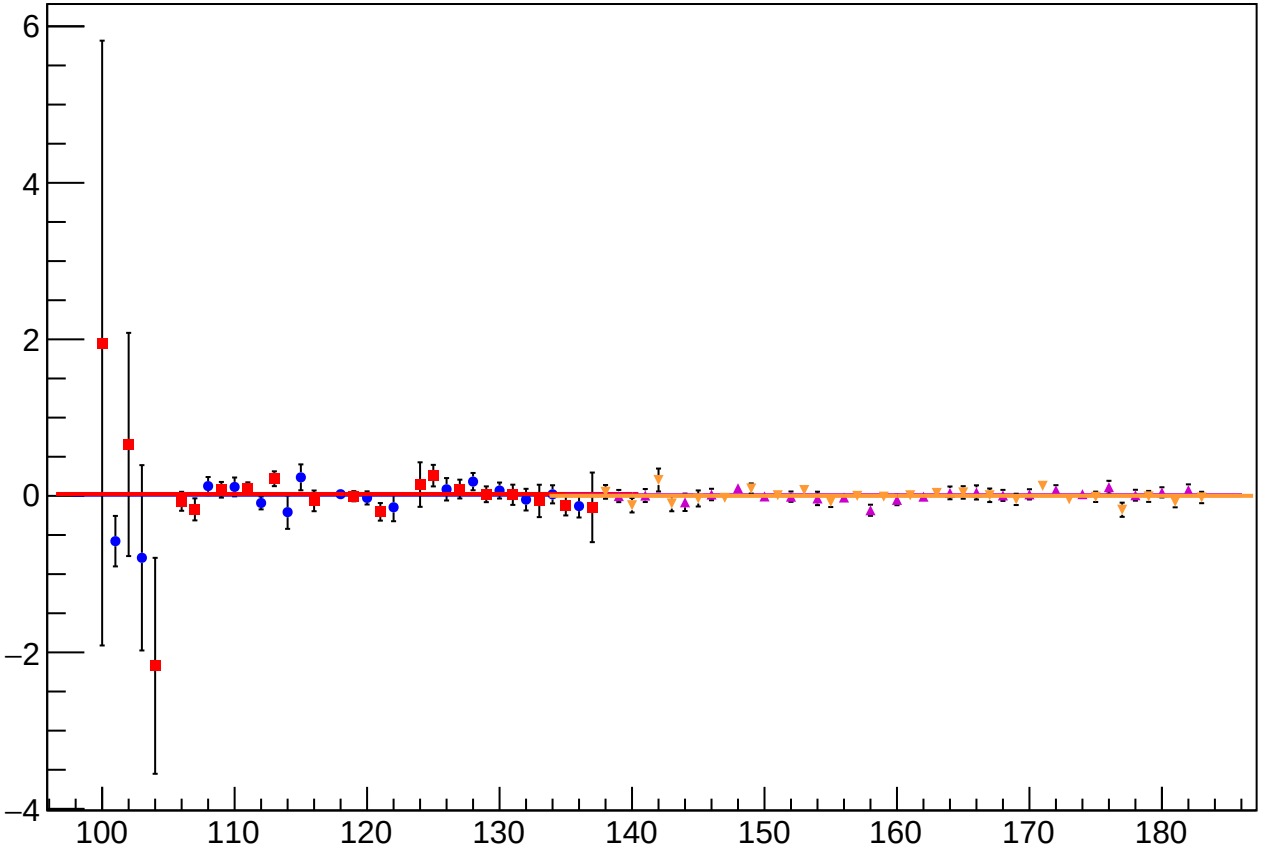
Left In: 58.288+/-0.011 χ^2/NDF:647898.2/21

+ sign 55.452+/-0.009 χ^2/NDF: 4493829.2/39

All: 57.220+/-0.006 χ^2/NDF: 7882325.1/80

- sign 59.166+/-0.009 χ^2/NDF: 3305759.6/40

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:21.7/23

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

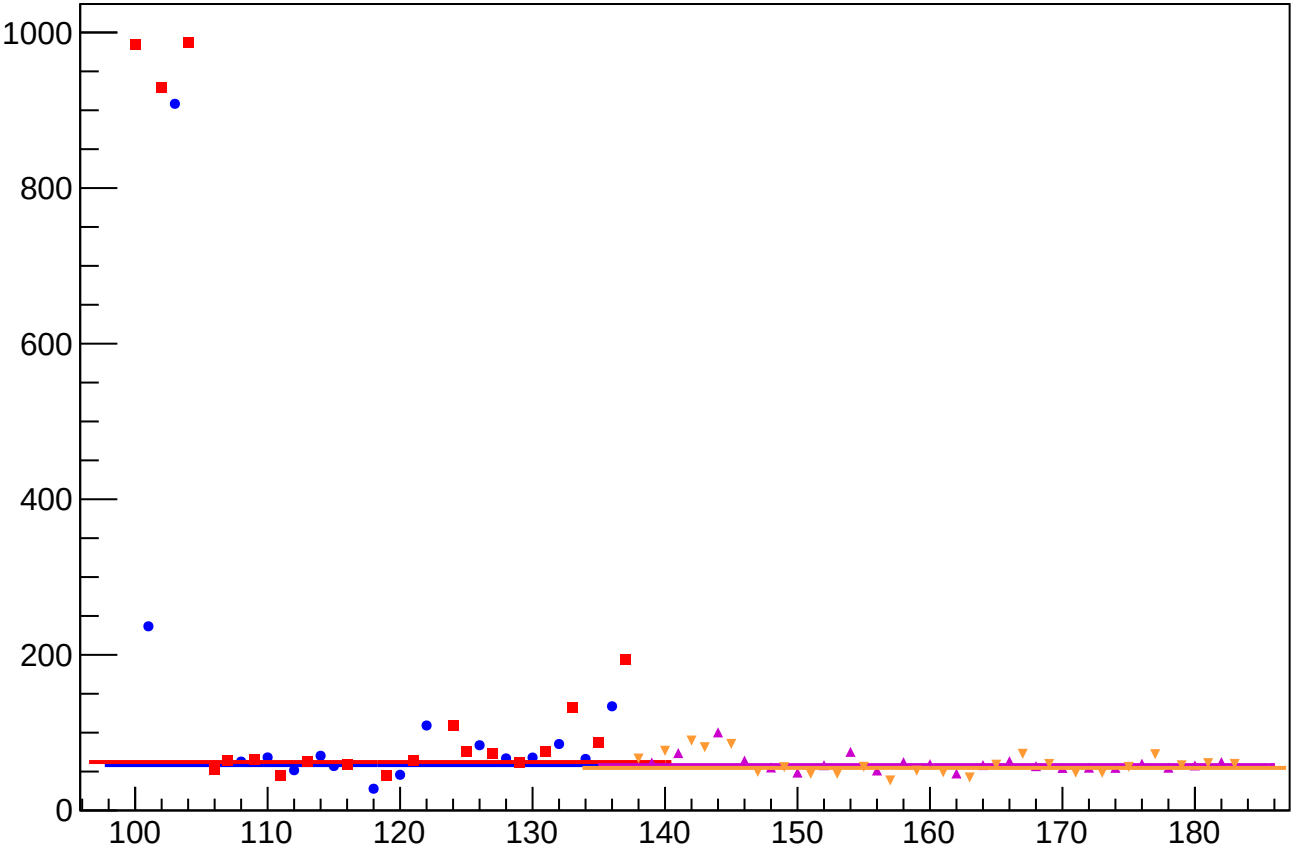
Left In: 0.009+/-0.015 χ^2/NDF:15.5/21

\+ sign 0.004+/-0.013 χ^2/NDF: 36.9/39

All: 0.008+/-0.009 χ^2/NDF: 73.7/80

\- sign 0.012+/-0.013 χ^2/NDF: 36.5/40

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.714+/-0.010 χ^2/NDF:1206777.2/23

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

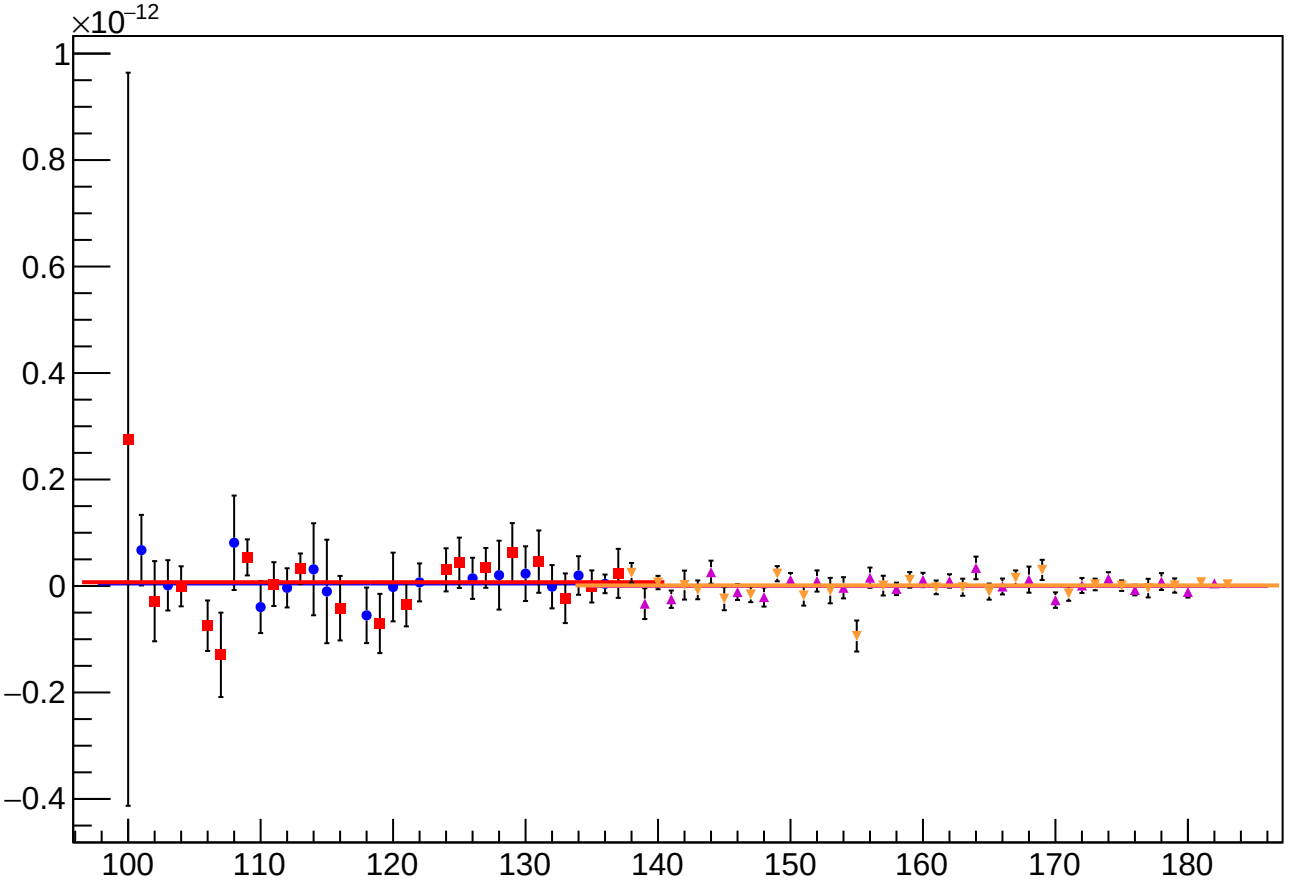
Left In: 58.288+/-0.011 χ^2/NDF:647898.2/21

+ sign 55.452+/-0.009 χ^2/NDF: 4493829.2/39

All: 57.220+/-0.006 χ^2/NDF: 7882325.1/80

- sign 59.166+/-0.009 χ^2/NDF: 3305759.6/40

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

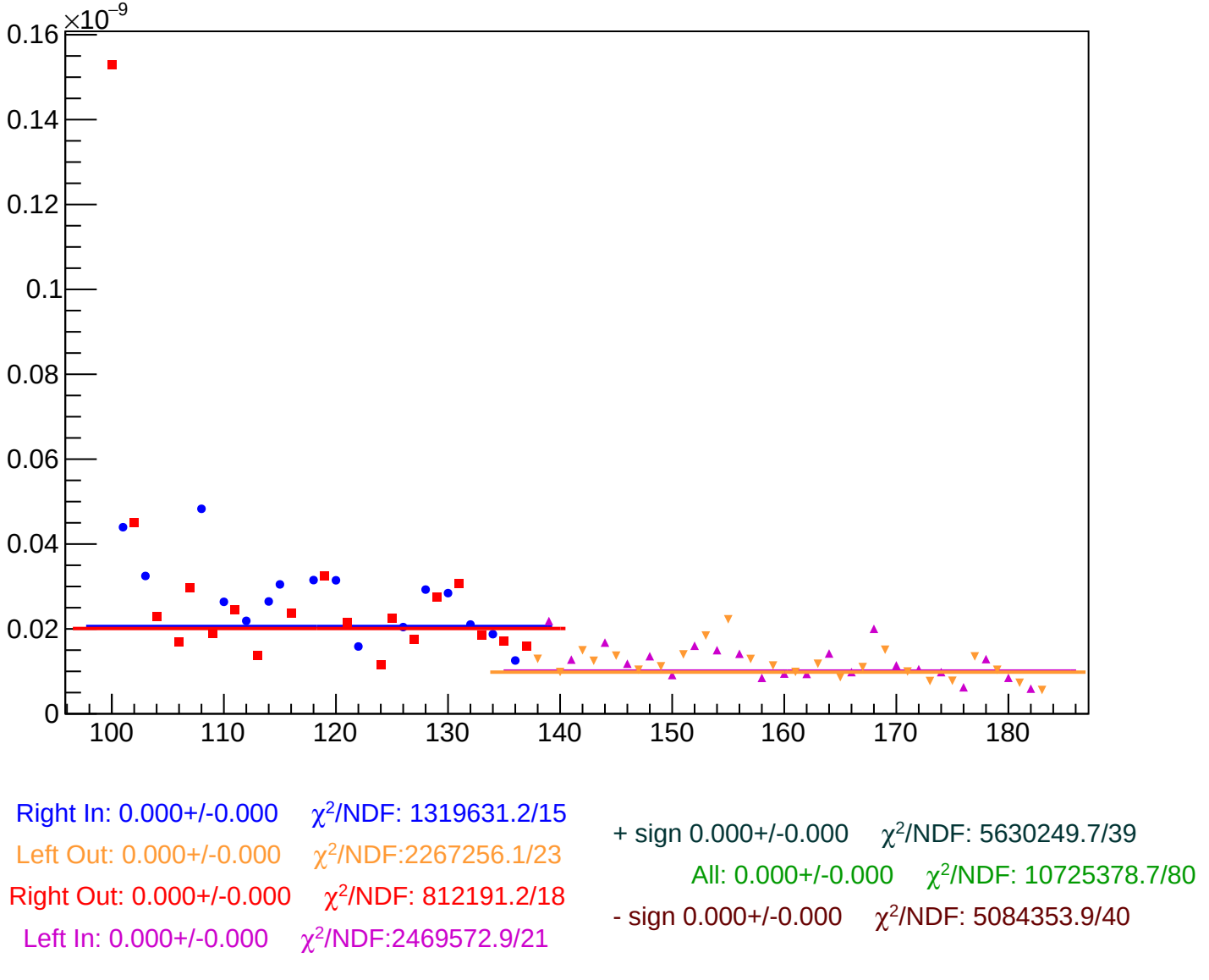
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/21

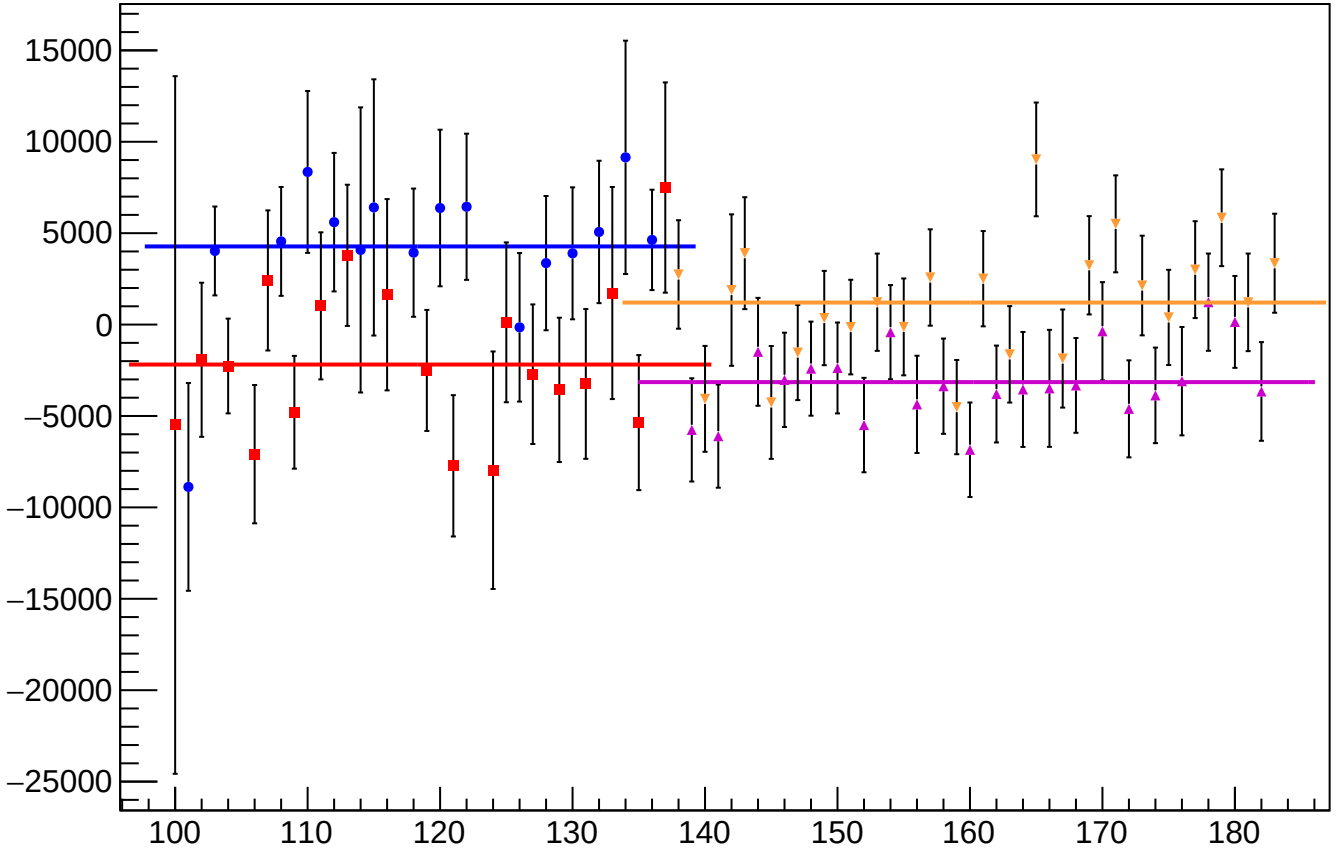
+ sign 0.000+/-0.000 χ^2/NDF: 29.7/39

All: 0.000+/-0.000 χ^2/NDF: 66.3/80

- sign 0.000+/-0.000 χ^2/NDF: 36.6/40


asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1319631.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2267256.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 812191.2/18
Left In: 0.000+/-0.000 χ²/NDF:2469572.9/21
+ sign 0.000+/-0.000 χ²/NDF: 5630249.7/39
All: 0.000+/-0.000 χ²/NDF: 10725378.7/80
- sign 0.000+/-0.000 χ²/NDF: 5084353.9/40

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1204.968+/-560.269 χ^2/NDF:31.1/23

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

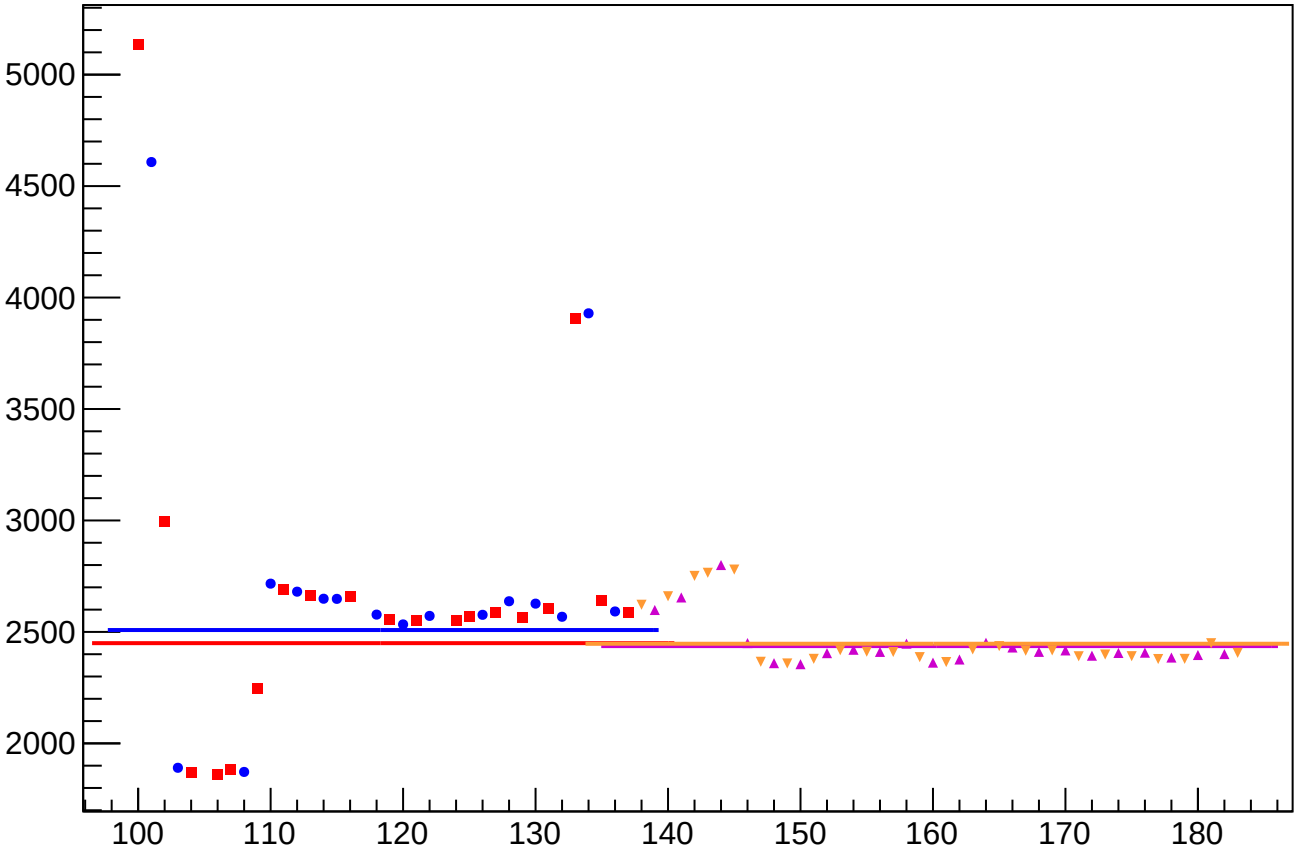
Left In: -3147.307+/-574.011 χ^2/NDF:12.7/21

+ sign 1994.641+/-482.850 χ^2/NDF: 47.7/39

All: -419.740+/-342.991 χ^2/NDF: 126.4/80

- sign -2878.903+/-487.307 χ^2/NDF: 28.3/40

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2446.968+/-0.396 χ^2/NDF:89434.6/23

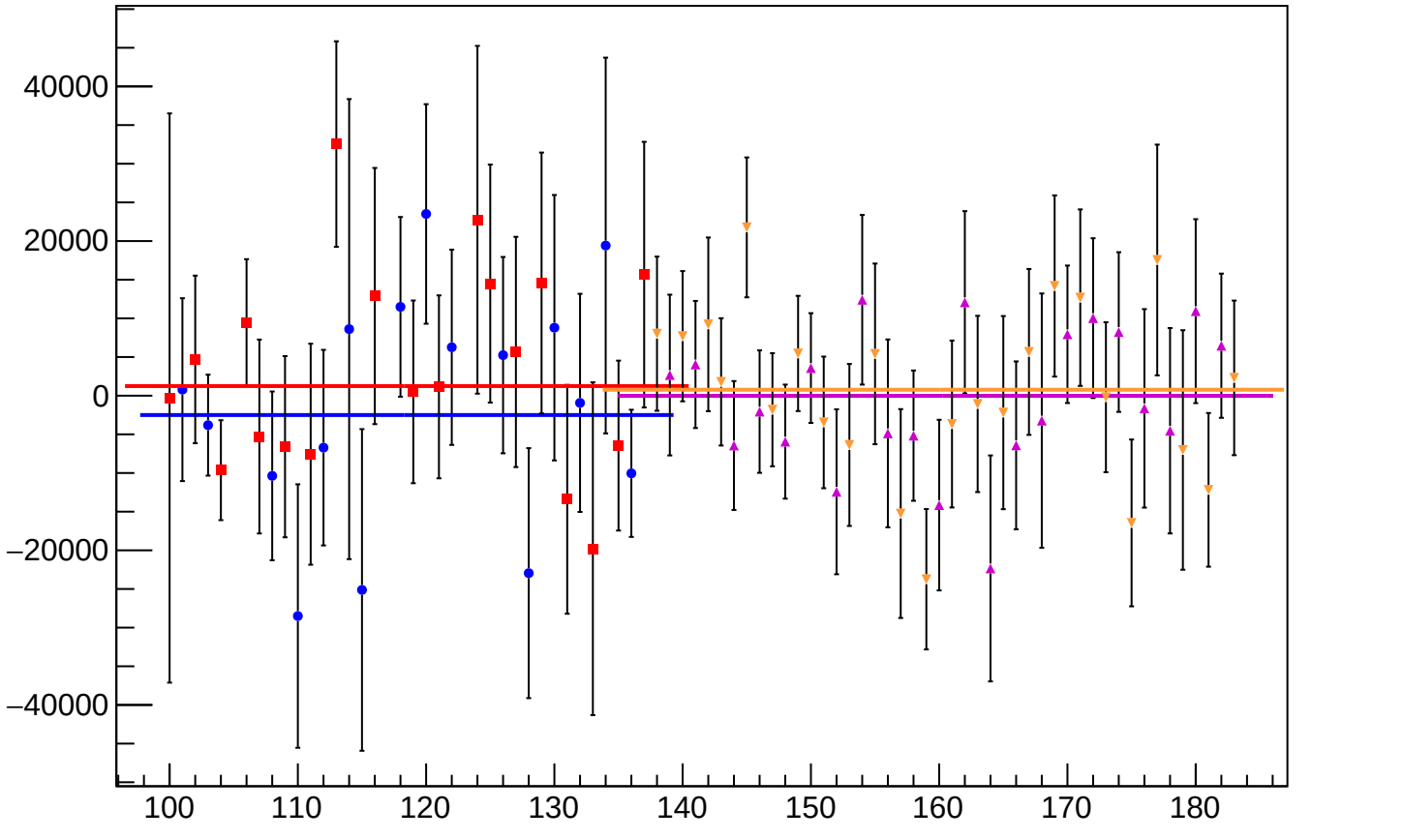
Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2436.403+/-0.406 χ^2/NDF:59115.0/21

+ sign 2462.790+/-0.341 χ^2/NDF: 707223.8/39

All: 2451.546+/-0.243 χ^2/NDF: 1205724.9/80

- sign 2440.095+/-0.345 χ^2/NDF: 496312.3/40



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 769.277+/-2050.112 χ^2/NDF:25.9/23

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

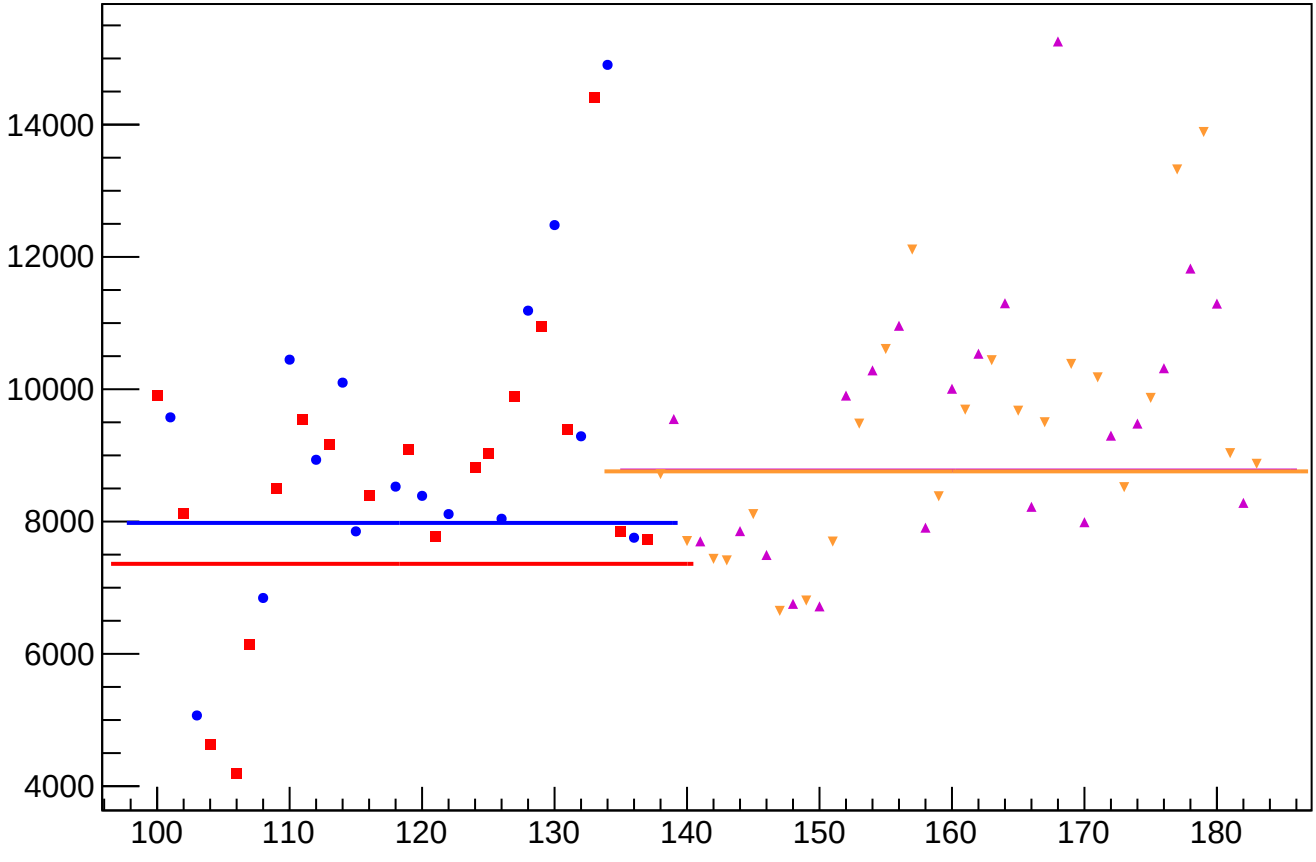
Left In: -20.329+/-2110.380 χ^2/NDF:14.3/21

+ sign -236.653+/-1705.867 χ^2/NDF: 40.5/39

All: 96.975+/-1202.939 χ^2/NDF: 71.5/80

- sign 426.986+/-1696.596 χ^2/NDF: 31.0/40

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8758.651+/-1.450 χ^2/NDF:1222204.5/23

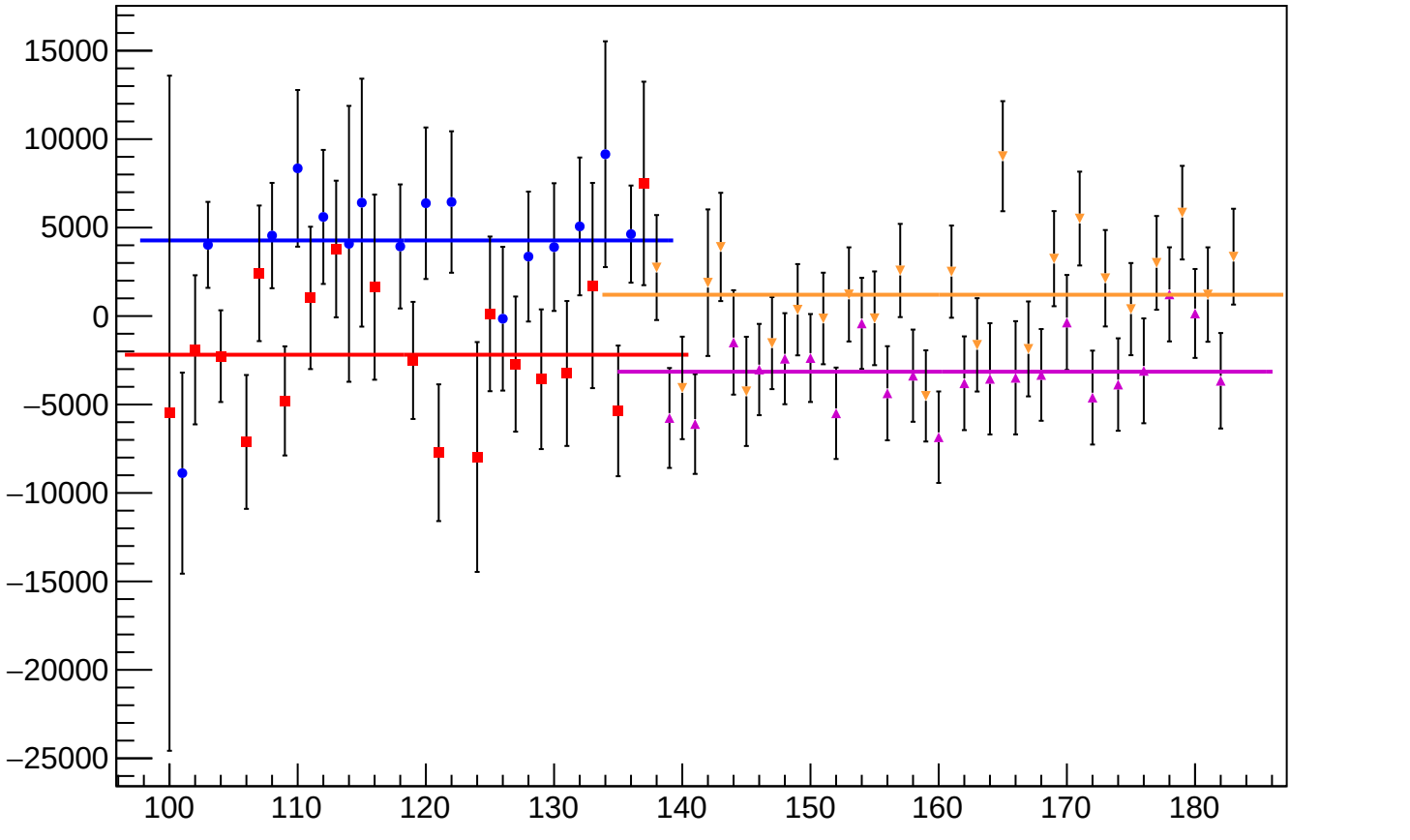
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8770.956+/-1.492 χ^2/NDF:1290563.1/21

+ sign 8518.953+/-1.206 χ^2/NDF: 2234161.0/39

All: 8394.887+/-0.851 χ^2/NDF: 5147648.5/80

- sign 8272.165+/-1.200 χ^2/NDF: 2892444.1/40



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1204.802+/-560.269 χ^2/NDF:31.1/23

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

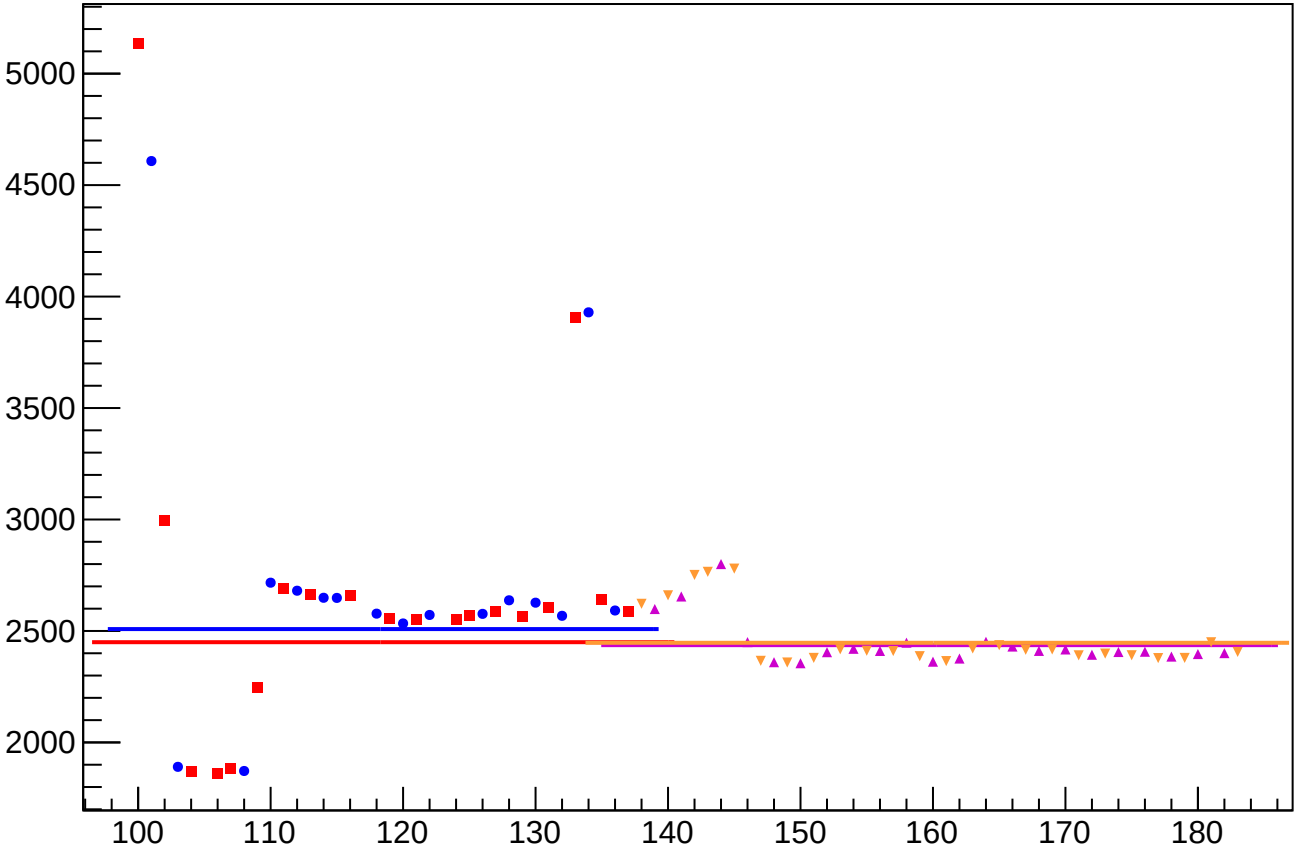
Left In: -3147.140+/-574.011 χ^2/NDF:12.7/21

+ sign 1994.391+/-482.850 χ^2/NDF: 47.7/39

All: -419.889+/-342.992 χ^2/NDF: 126.4/80

- sign -2878.960+/-487.308 χ^2/NDF: 28.3/40

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2446.968+/-0.396 χ^2/NDF:89434.6/23

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

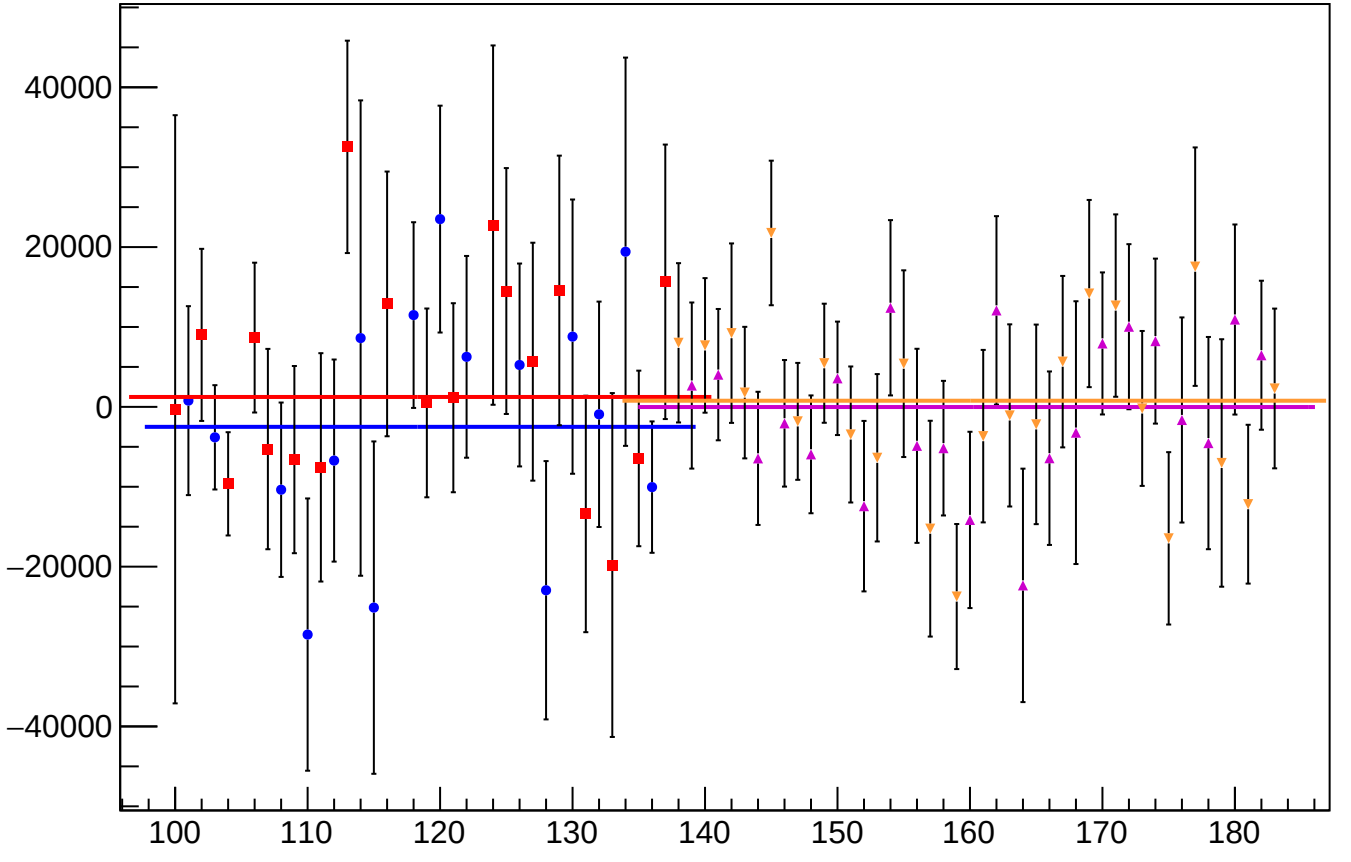
Left In: 2436.403+/-0.406 χ^2/NDF:59115.0/21

+ sign 2462.790+/-0.341 χ^2/NDF: 707221.7/39

All: 2451.550+/-0.243 χ^2/NDF: 1205668.3/80

- sign 2440.102+/-0.345 χ^2/NDF: 496259.0/40

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 769.282+/-2050.110 χ^2/NDF:25.9/23

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

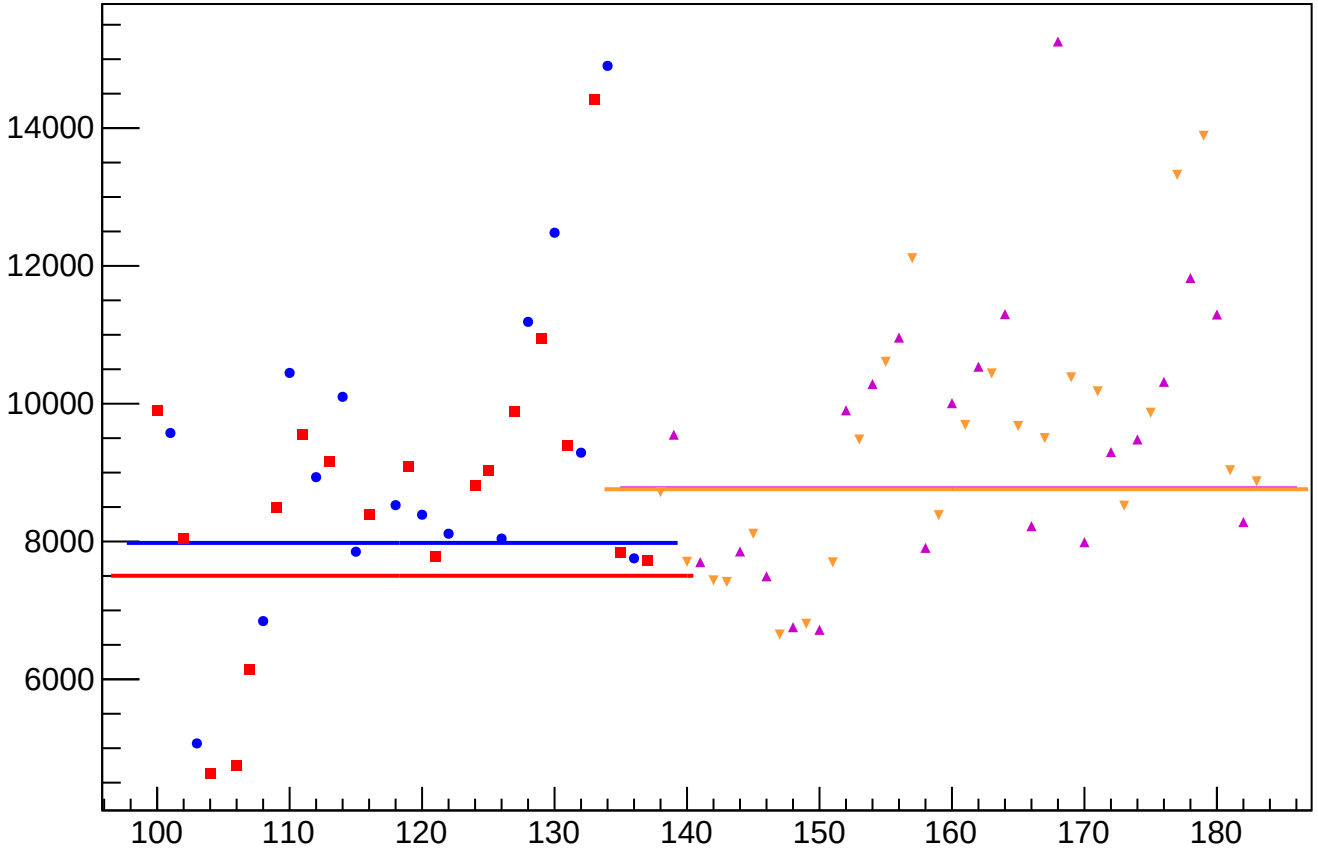
Left In: -20.288+/-2110.379 χ^2/NDF:14.3/21

+ sign -236.540+/-1705.880 χ^2/NDF: 40.5/39

All: 90.542+/-1205.944 χ^2/NDF: 71.6/80

- sign 417.304+/-1705.045 χ^2/NDF: 31.0/40

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8758.641+/-1.450 χ^2/NDF:1222215.2/23

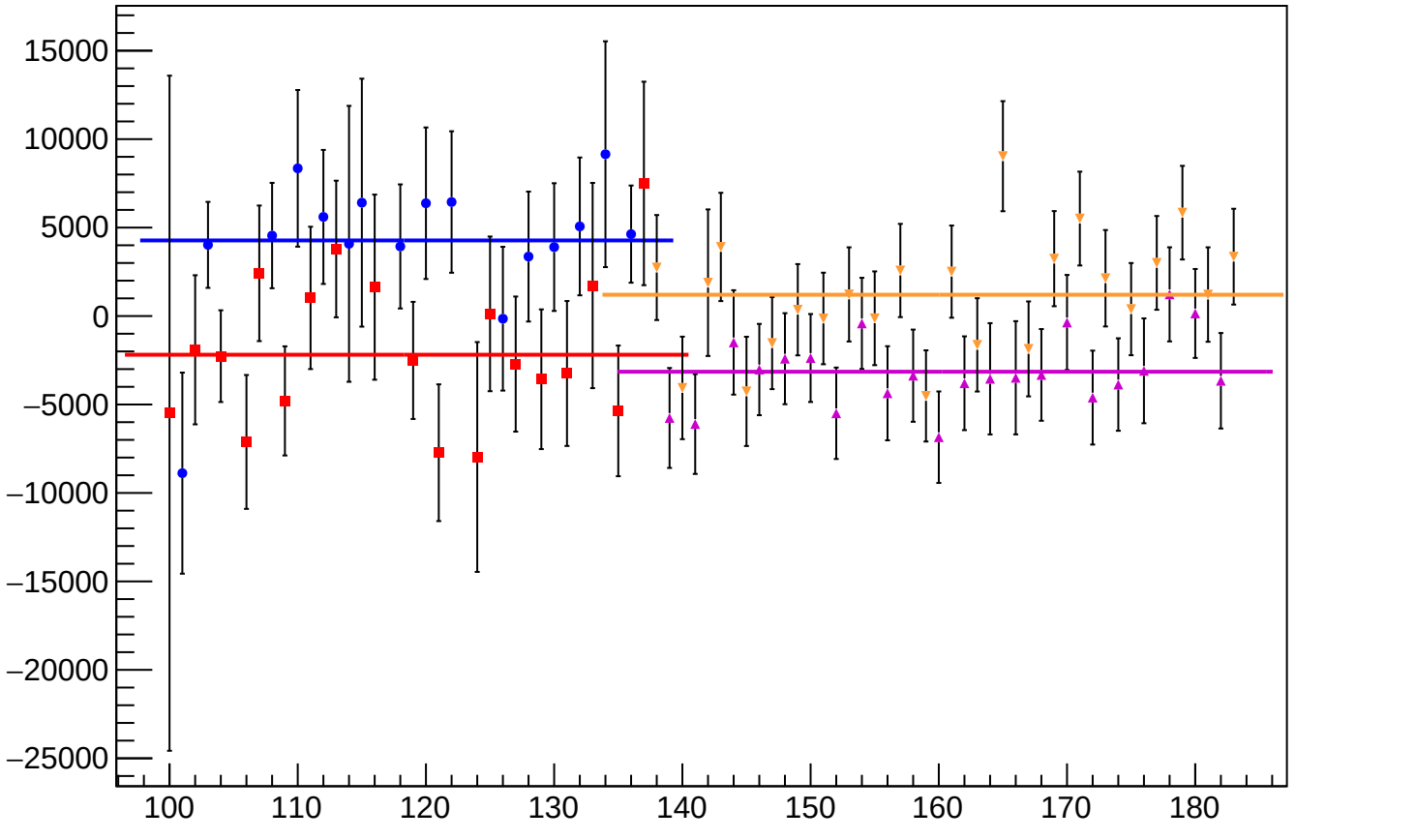
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8770.953+/-1.492 χ^2/NDF:1290563.7/21

+ sign 8519.055+/-1.206 χ^2/NDF: 2233793.5/39

All: 8424.758+/-0.853 χ^2/NDF: 4922919.5/80

- sign 8330.554+/-1.206 χ^2/NDF: 2676909.5/40



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1204.802+/-560.269 χ^2/NDF:31.1/23

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

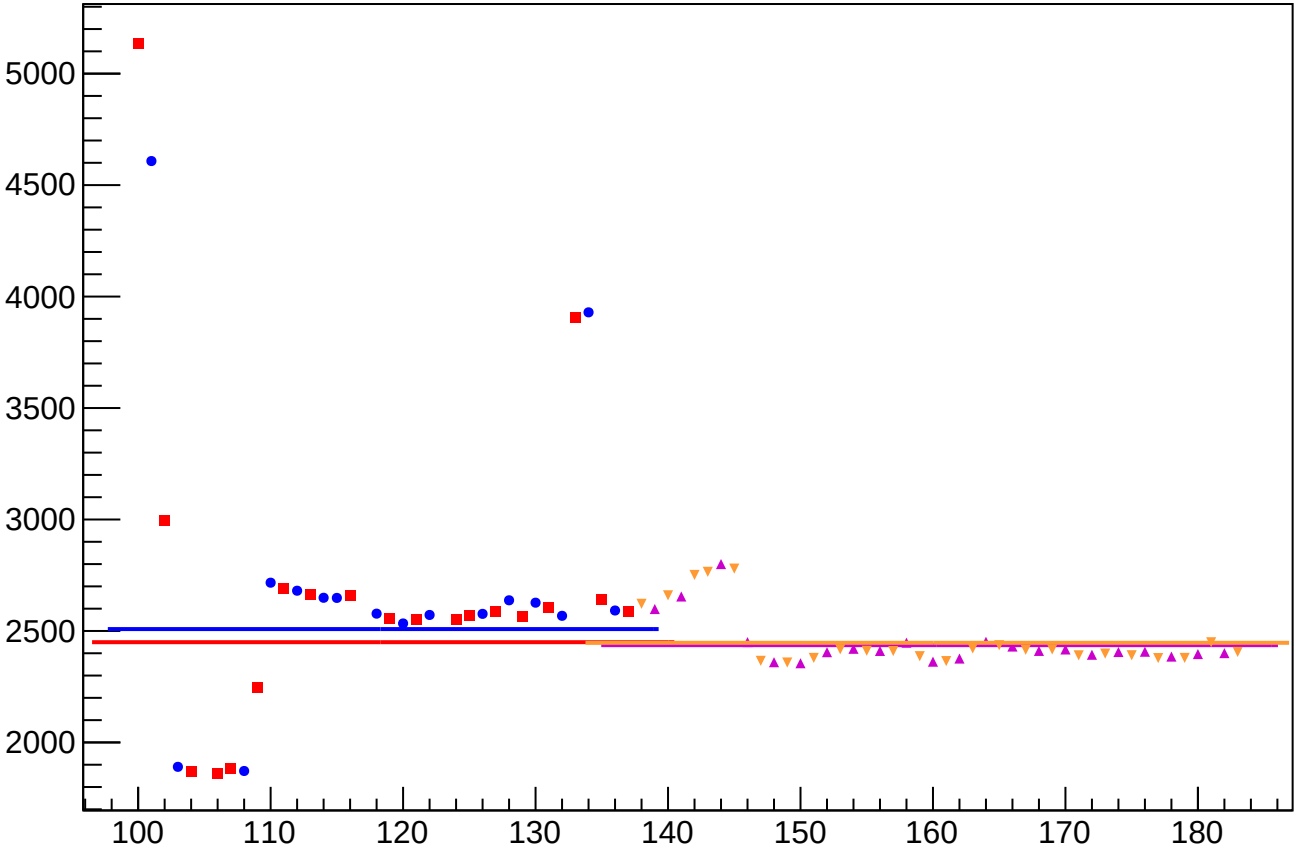
Left In: -3147.140+/-574.011 χ^2/NDF:12.7/21

+ sign 1994.391+/-482.850 χ^2/NDF: 47.7/39

All: -419.889+/-342.992 χ^2/NDF: 126.4/80

- sign -2878.960+/-487.308 χ^2/NDF: 28.3/40

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2446.968+/-0.396 χ^2/NDF:89434.6/23

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

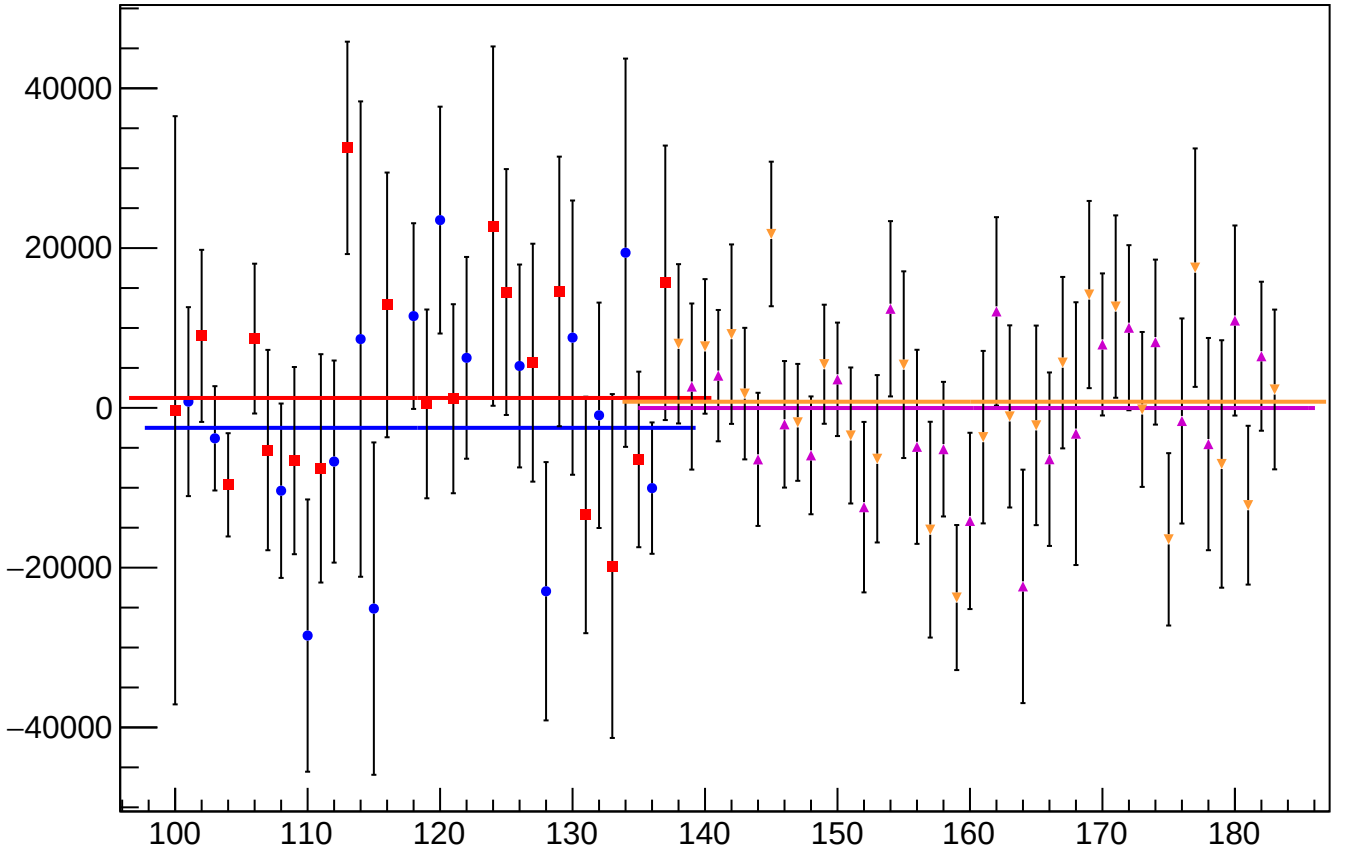
Left In: 2436.403+/-0.406 χ^2/NDF:59115.0/21

+ sign 2462.790+/-0.341 χ^2/NDF: 707221.7/39

All: 2451.550+/-0.243 χ^2/NDF: 1205668.3/80

- sign 2440.102+/-0.345 χ^2/NDF: 496259.0/40

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 769.282+/-2050.110 χ^2/NDF:25.9/23

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

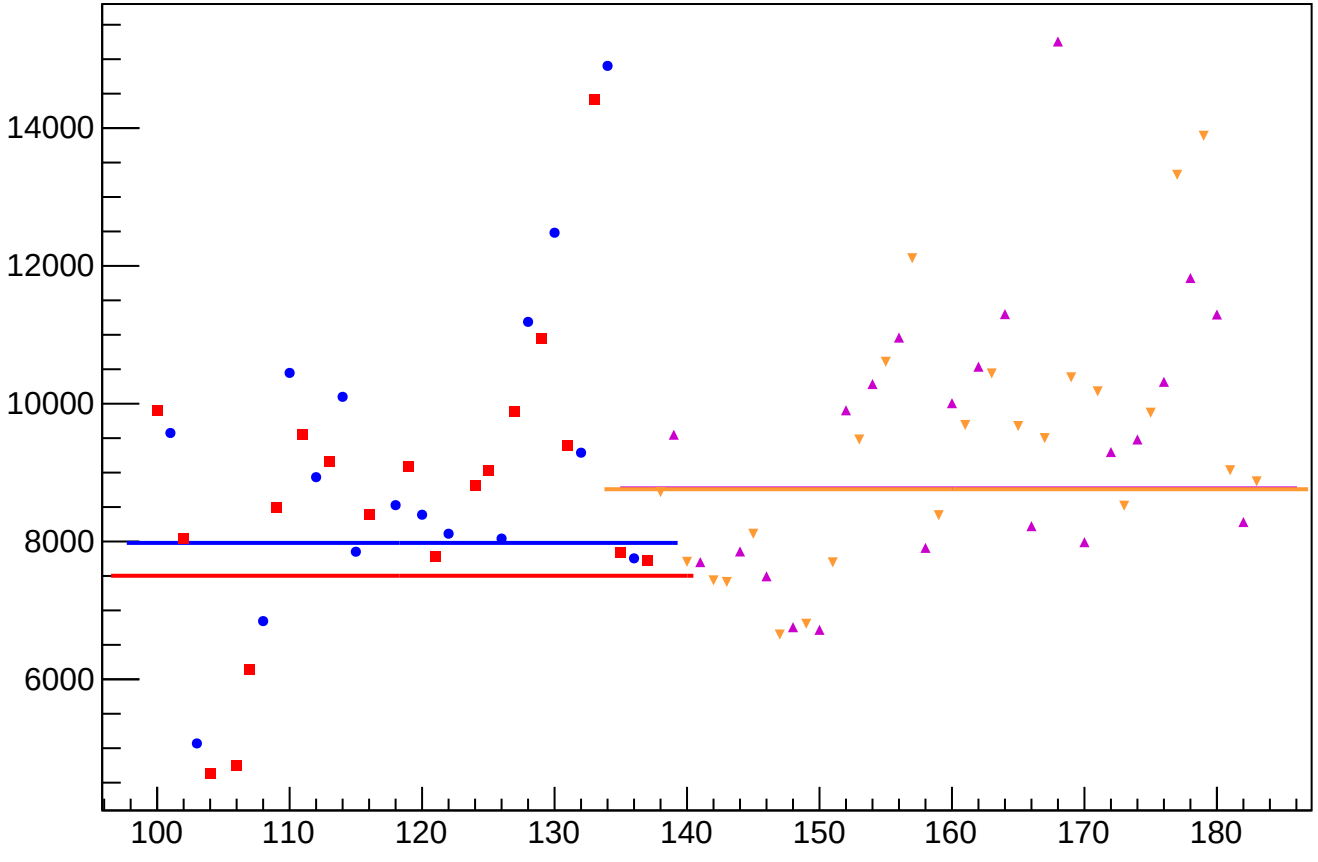
Left In: -20.288+/-2110.379 χ^2/NDF:14.3/21

+ sign -236.540+/-1705.880 χ^2/NDF: 40.5/39

All: 90.542+/-1205.944 χ^2/NDF: 71.6/80

- sign 417.304+/-1705.045 χ^2/NDF: 31.0/40

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8758.641+/-1.450 χ^2/NDF:1222215.2/23

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

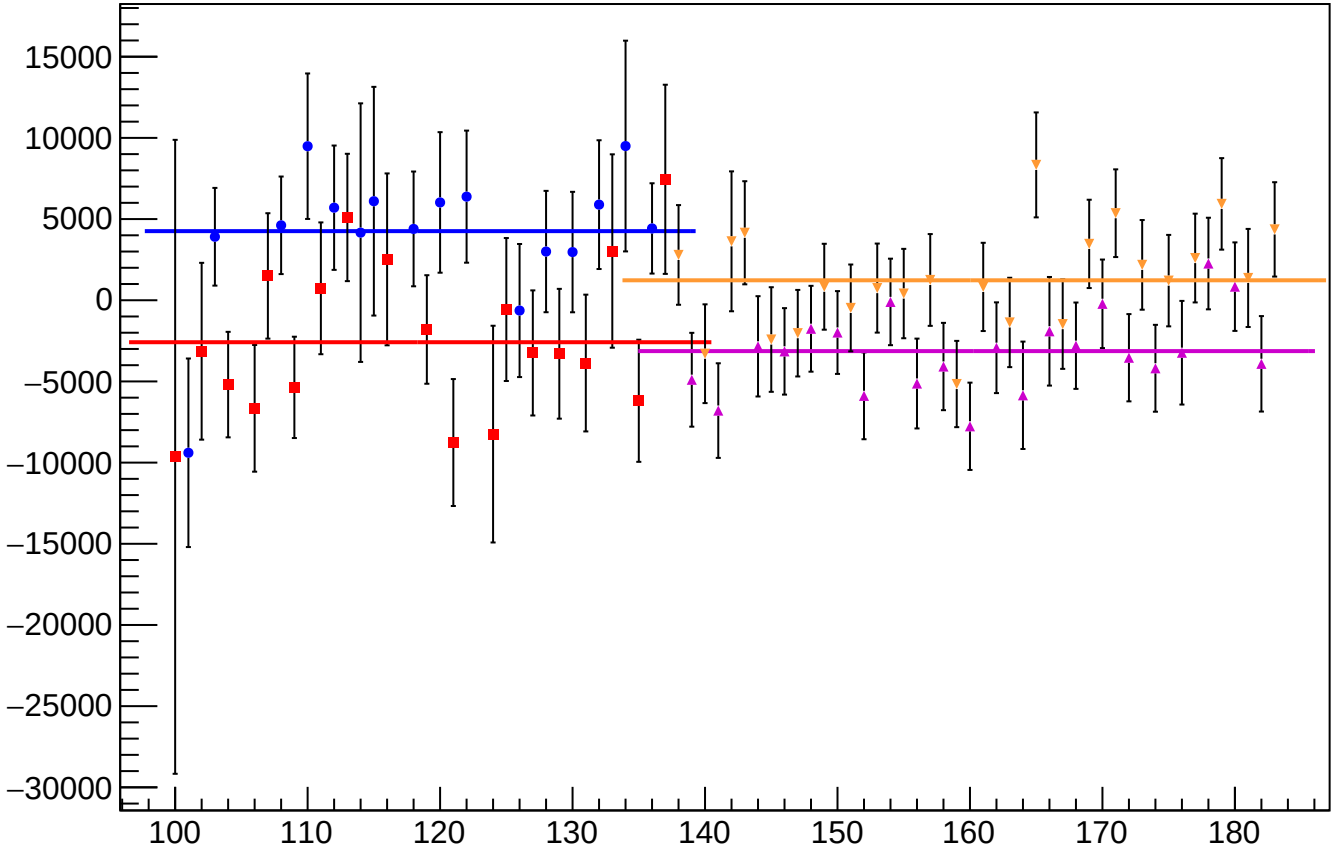
Left In: 8770.953+/-1.492 χ^2/NDF:1290563.7/21

+ sign 8519.055+/-1.206 χ^2/NDF: 2233793.5/39

All: 8424.758+/-0.853 χ^2/NDF: 4922919.5/80

- sign 8330.554+/-1.206 χ^2/NDF: 2676909.5/40

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1228.708+/-584.107 χ^2/NDF:26.8/23

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

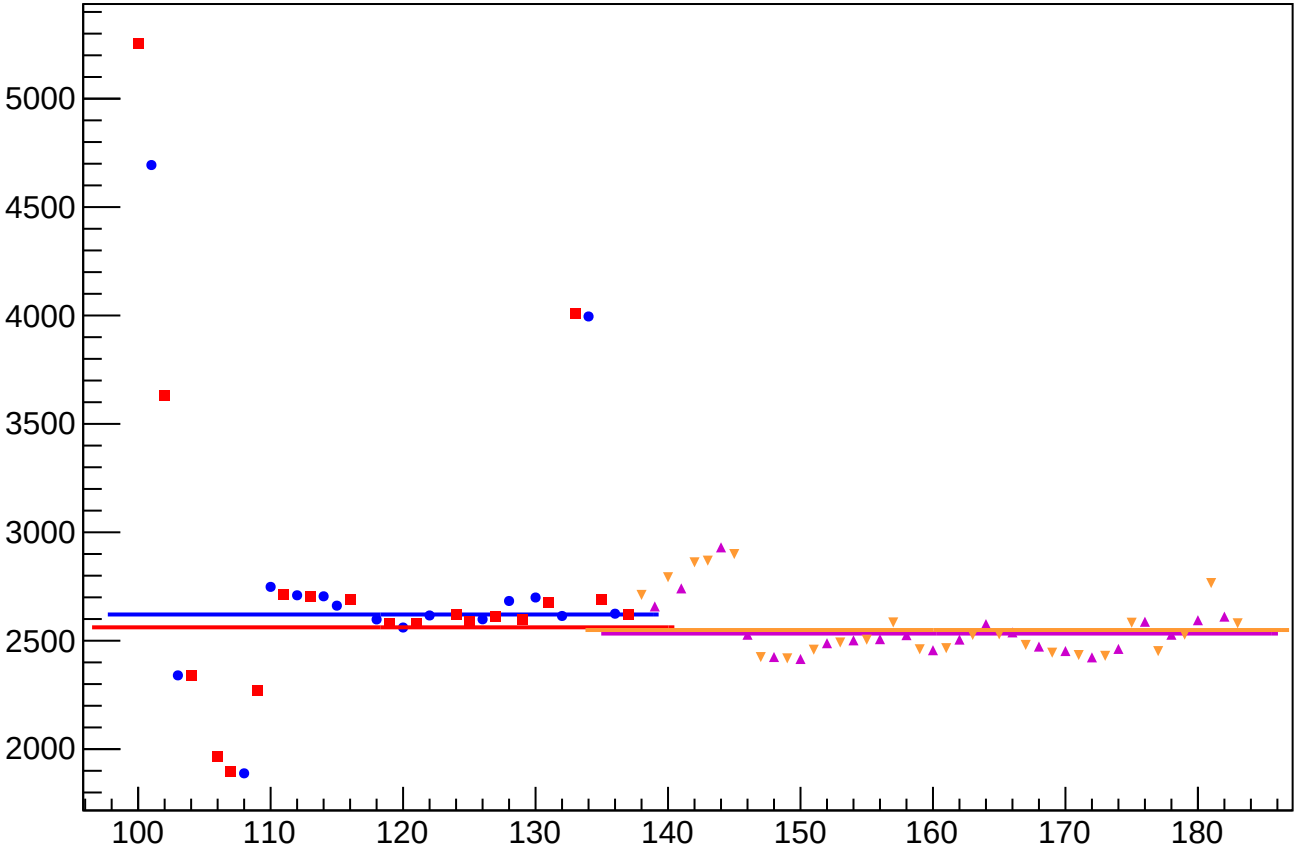
Left In: -3132.178+/-597.040 χ^2/NDF:16.4/21

+ sign 2010.033+/-503.143 χ^2/NDF: 43.8/39

All: -462.054+/-357.437 χ^2/NDF: 126.8/80

- sign -2980.860+/-507.875 χ^2/NDF: 34.3/40

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2549.308+/-0.413 χ^2/NDF:115493.1/23

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

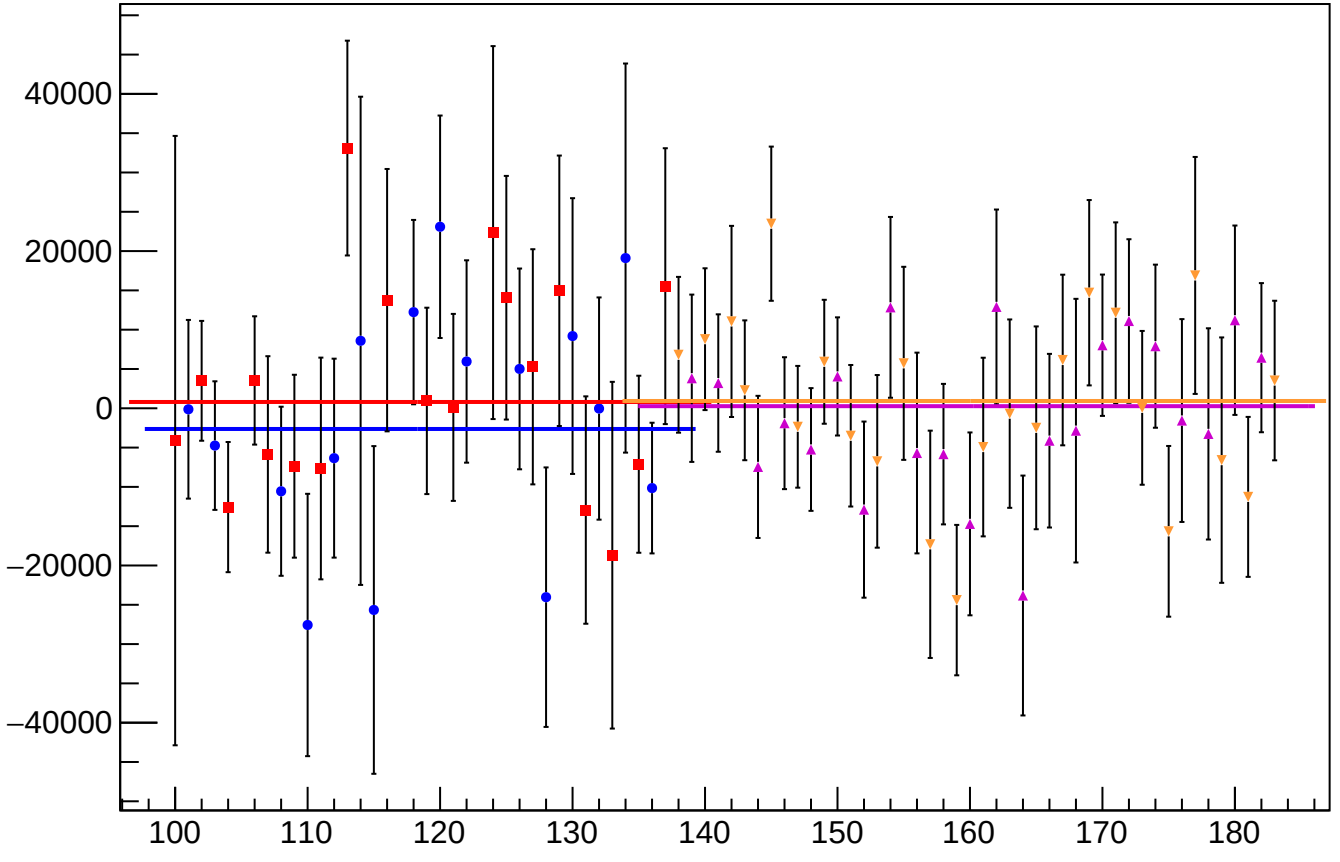
Left In: 2532.980+/-0.422 χ^2/NDF:68426.3/21

+ sign 2567.796+/-0.356 χ^2/NDF: 609173.0/39

All: 2554.486+/-0.253 χ^2/NDF: 1059965.6/80

- sign 2540.929+/-0.359 χ^2/NDF: 447967.6/40

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 928.644+/-2138.175 χ^2/NDF:25.3/23

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

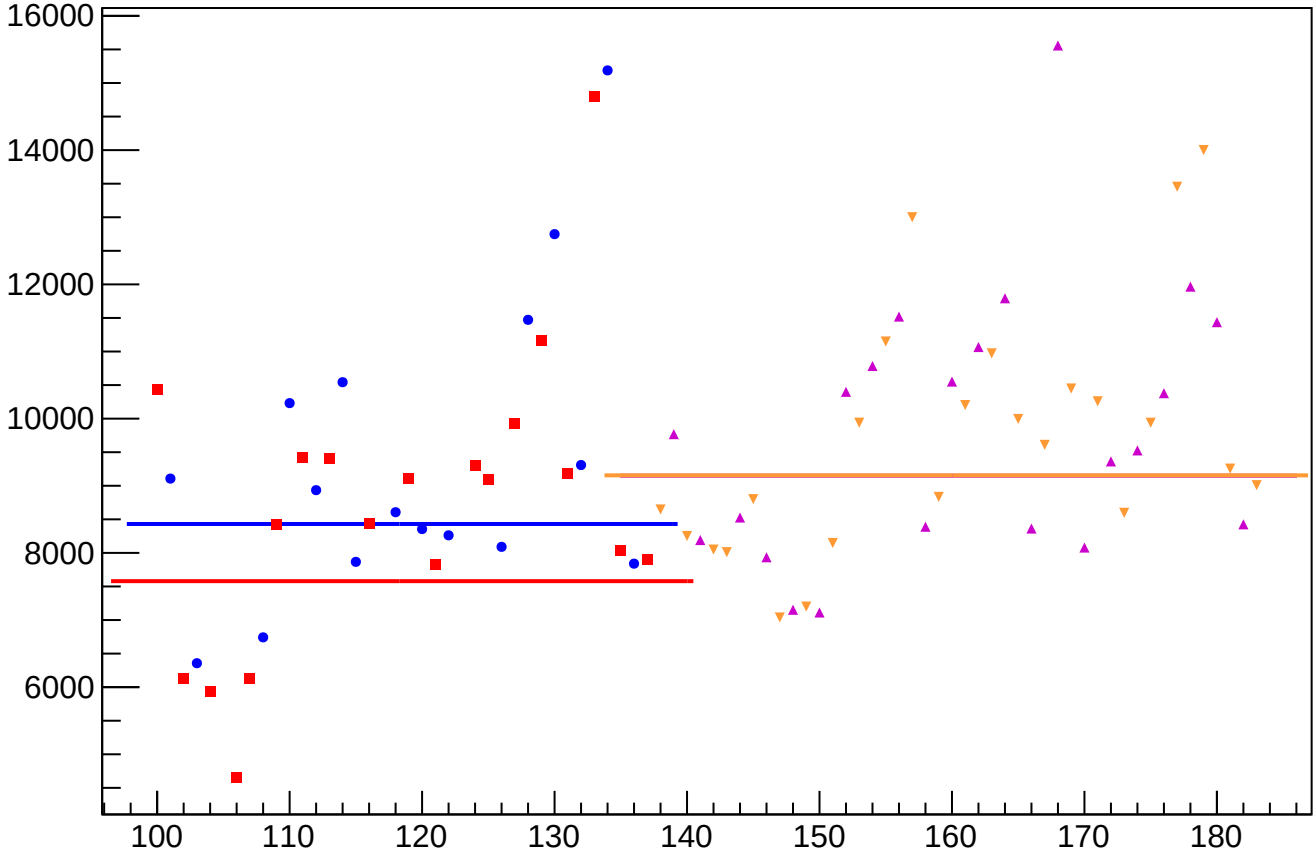
Left In: 268.432+/-2197.830 χ^2/NDF:14.1/21

\+ sign -164.910+/-1779.792 χ^2/NDF: 39.9/39

All: 156.530+/-1246.241 χ^2/NDF: 69.5/80

\- sign 465.741+/-1745.605 χ^2/NDF: 29.5/40

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9155.340+/-1.512 χ^2/NDF:1072060.7/23

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

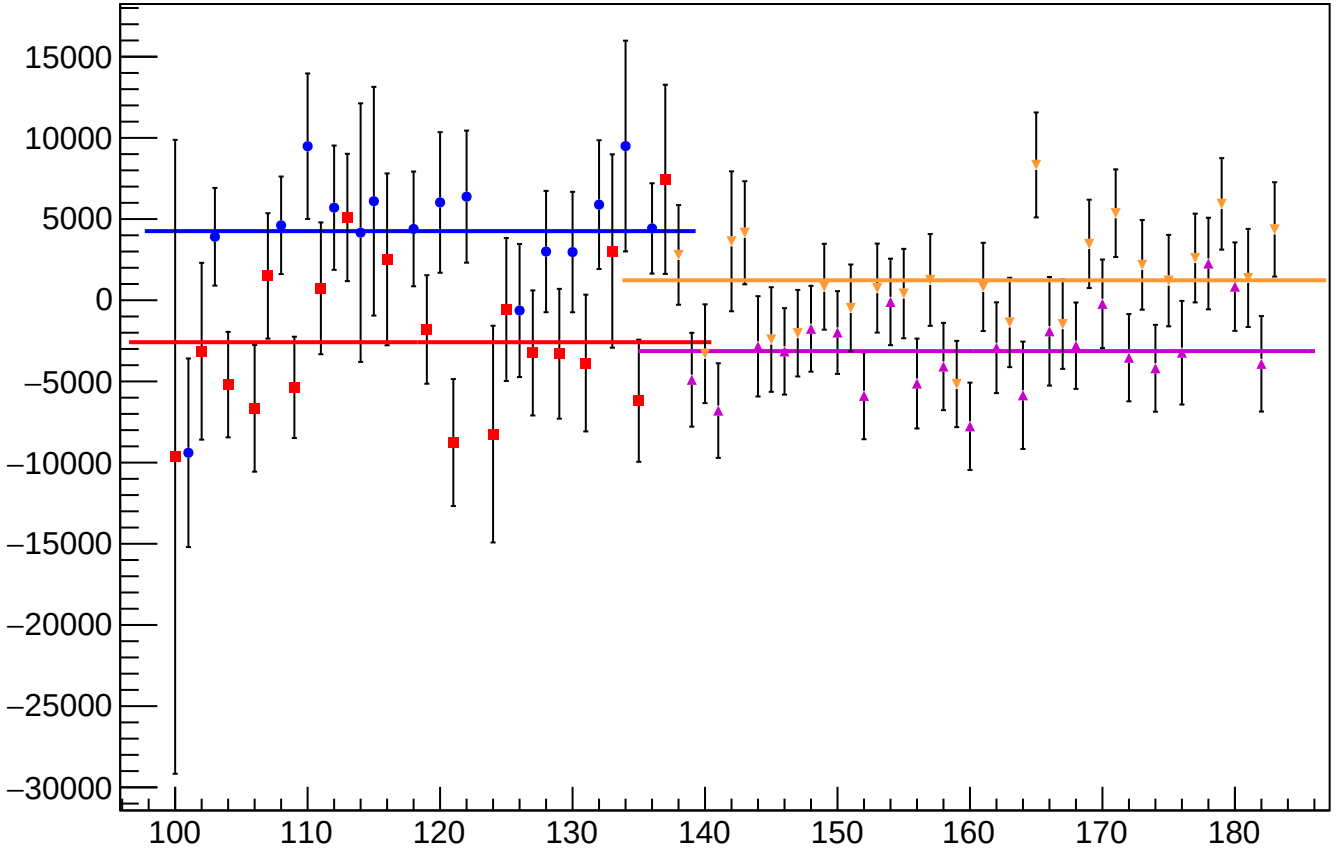
Left In: 9150.248+/-1.554 χ^2/NDF:1169375.0/21

+ sign 8932.802+/-1.259 χ^2/NDF: 1722894.5/39

All: 8747.992+/-0.881 χ^2/NDF: 4286025.6/80

- sign 8570.212+/-1.234 χ^2/NDF: 2520821.9/40

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1228.698+/-584.107 χ^2/NDF:26.8/23

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

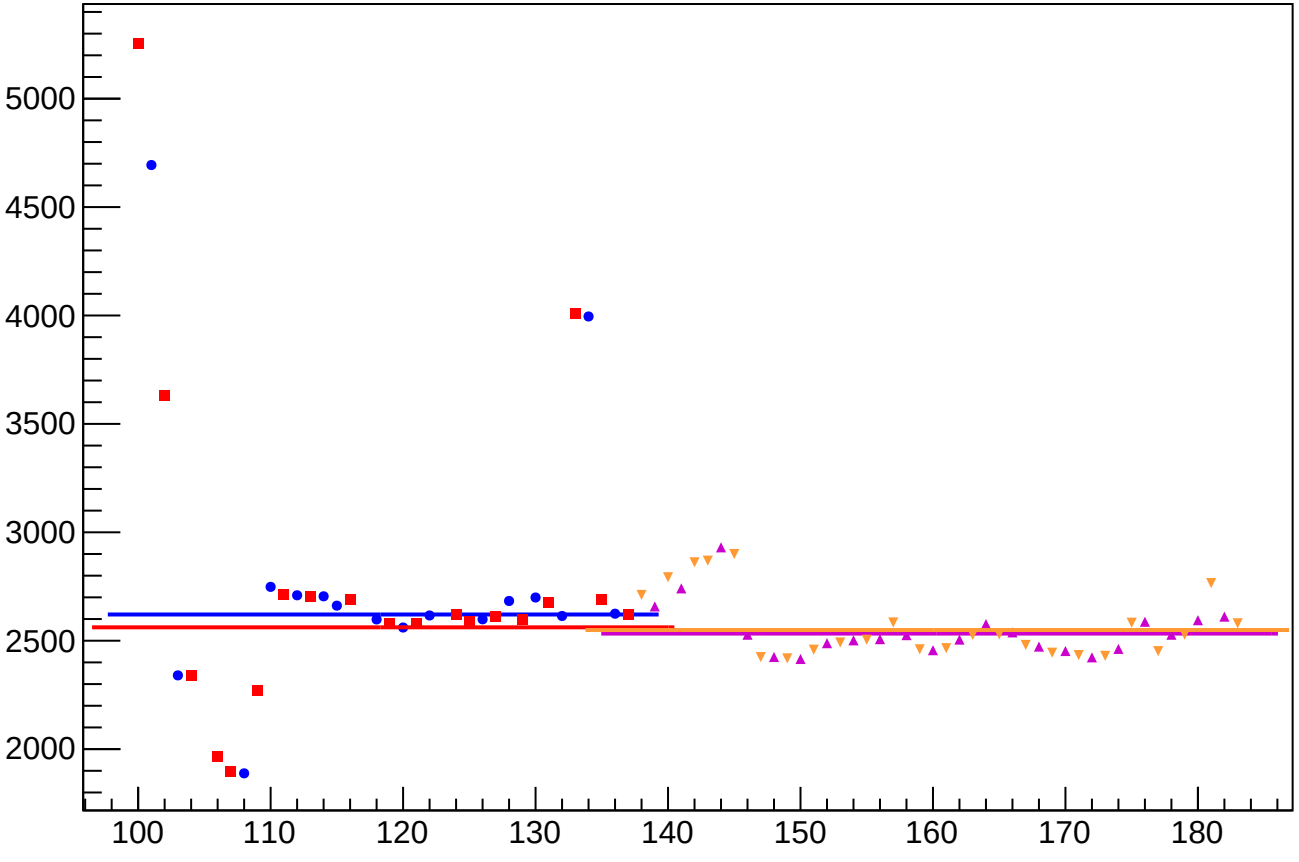
Left In: -3132.177+/-597.040 χ^2/NDF:16.4/21

+ sign 2010.028+/-503.143 χ^2/NDF: 43.8/39

All: -462.057+/-357.437 χ^2/NDF: 126.8/80

- sign -2980.862+/-507.875 χ^2/NDF: 34.3/40

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2549.309+/-0.413 χ^2/NDF:115493.0/23

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

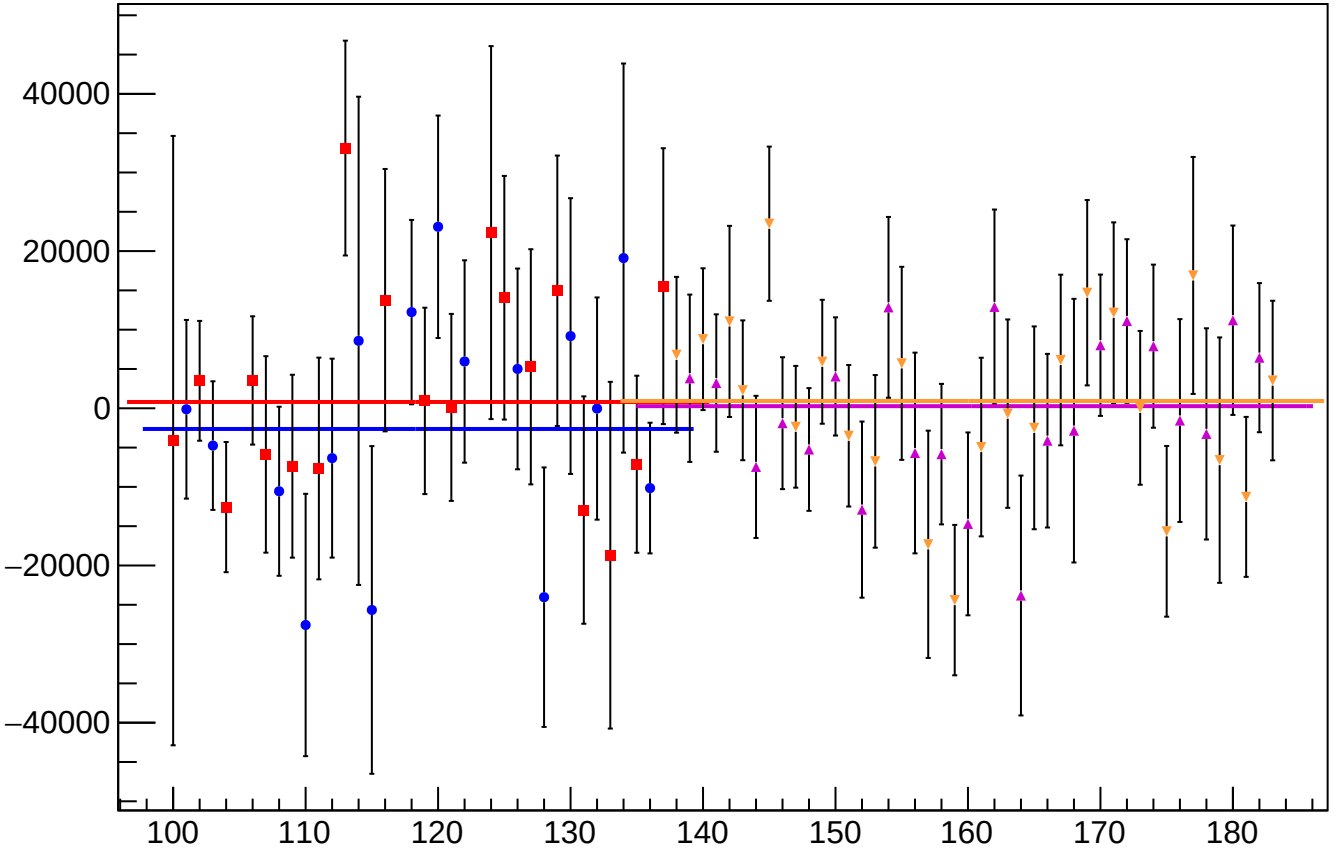
Left In: 2532.982+/-0.422 χ^2/NDF:68426.0/21

+ sign 2567.797+/-0.356 χ^2/NDF: 609172.7/39

All: 2554.487+/-0.253 χ^2/NDF: 1059964.2/80

- sign 2540.931+/-0.359 χ^2/NDF: 447966.6/40

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 928.640+/-2138.178 χ^2/NDF:25.3/23

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

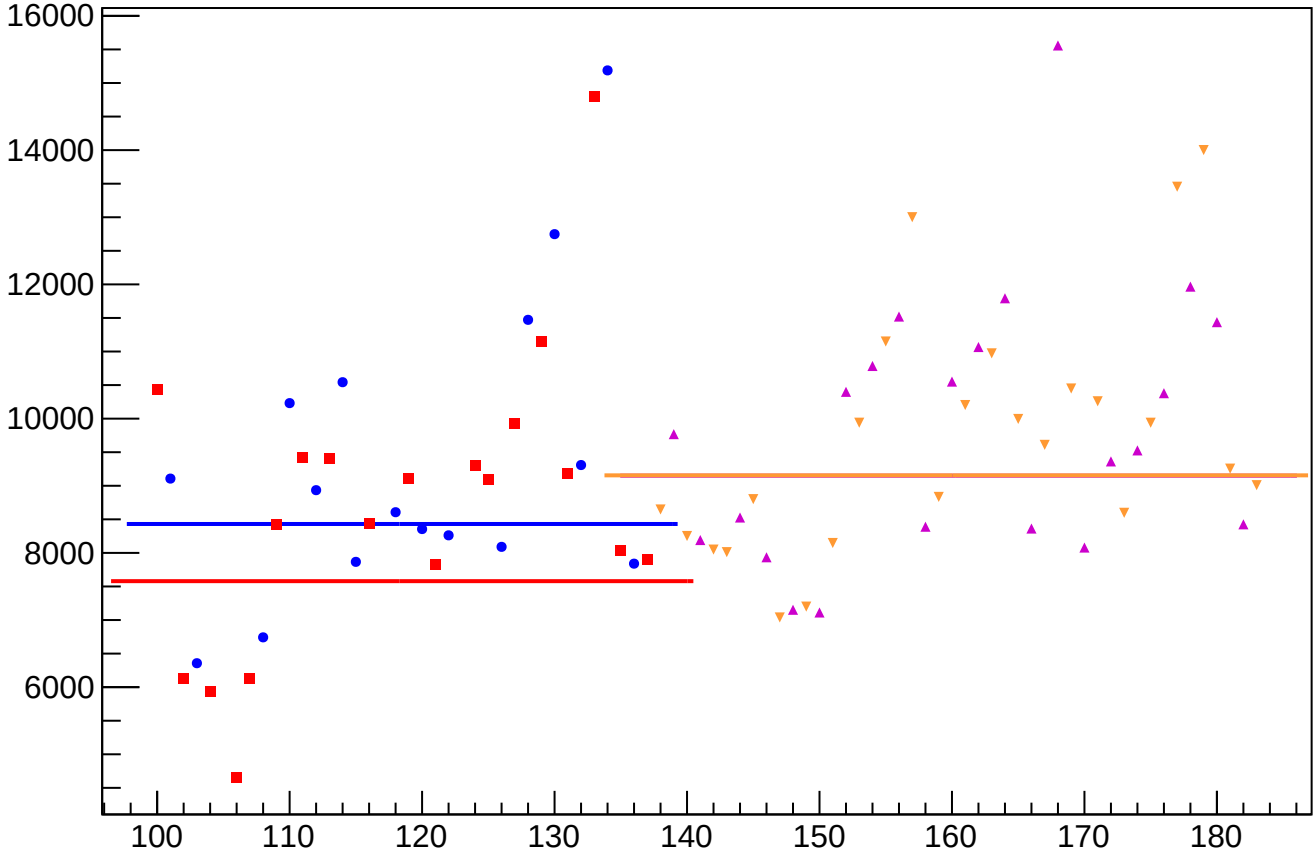
Left In: 268.436+/-2197.834 χ^2/NDF:14.1/21

\+ sign -164.907+/-1779.794 χ^2/NDF: 39.9/39

All: 156.533+/-1246.241 χ^2/NDF: 69.5/80

\- sign 465.742+/-1745.606 χ^2/NDF: 29.5/40

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9155.354+/-1.512 χ^2/NDF:1072062.7/23

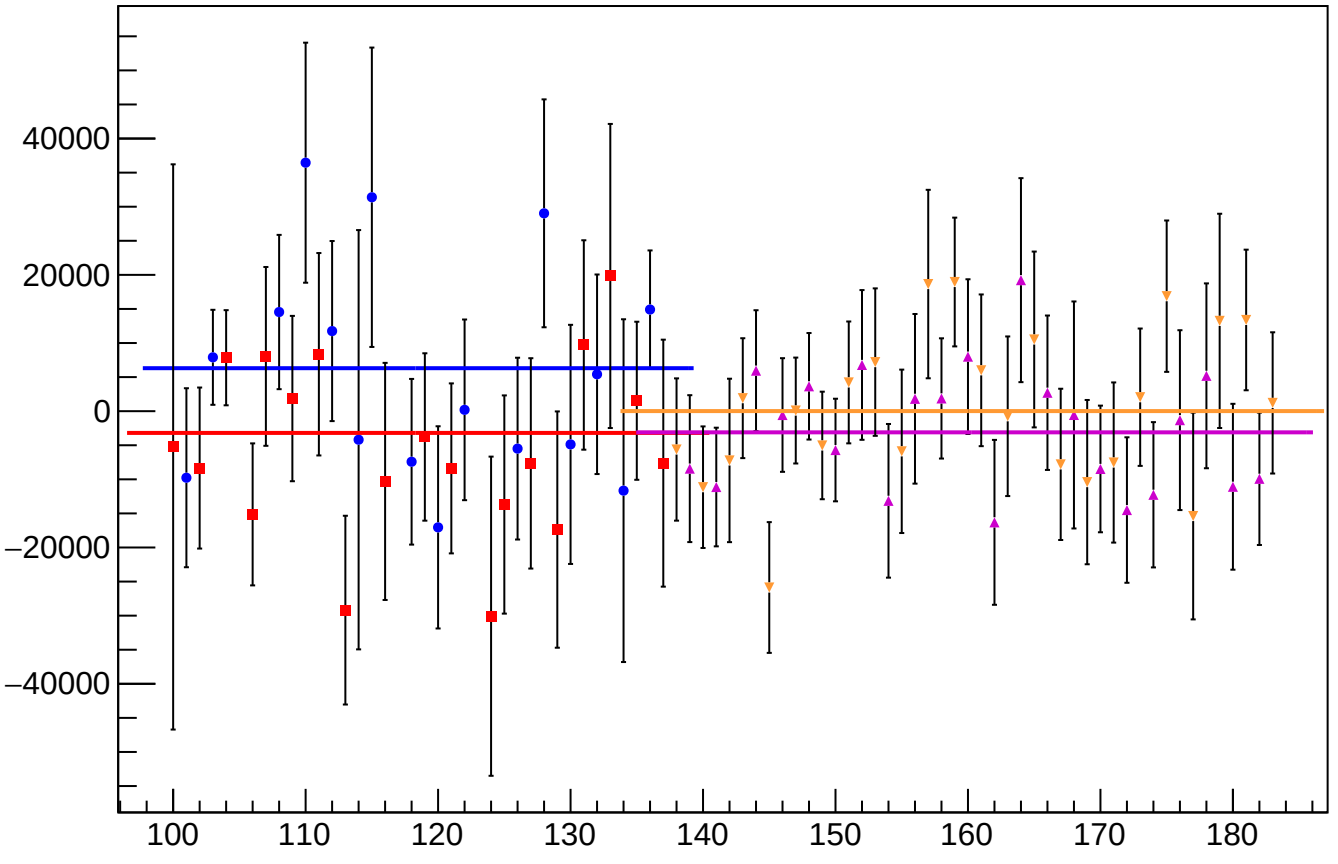
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 9150.261+/-1.554 χ^2/NDF:1169378.9/21

+ sign 8932.809+/-1.259 χ^2/NDF: 1722895.6/39

All: 8747.996+/-0.881 χ^2/NDF: 4286040.3/80

- sign 8570.214+/-1.234 χ^2/NDF: 2520834.6/40



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: 13.506+/-2140.388 χ^2/NDF:25.1/23

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

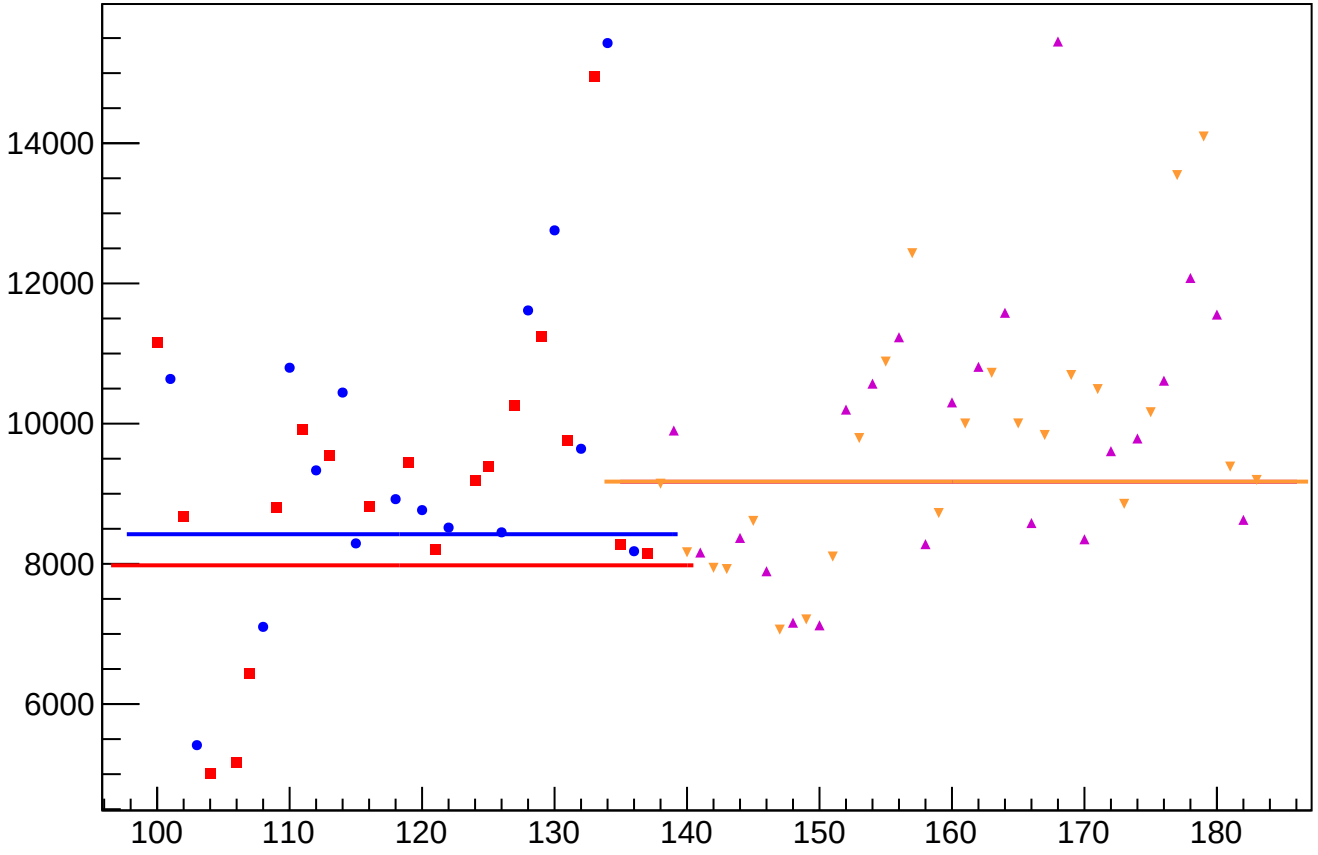
Left In: -3105.523+/-2200.230 χ^2/NDF:13.4/21

+ sign 1925.850+/-1785.834 χ^2/NDF: 42.8/39

All: -600.862+/-1263.575 χ^2/NDF: 74.1/80

- sign -3133.988+/-1788.099 χ^2/NDF: 27.3/40

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9173.198+/-1.513 χ^2/NDF:1056942.5/23

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

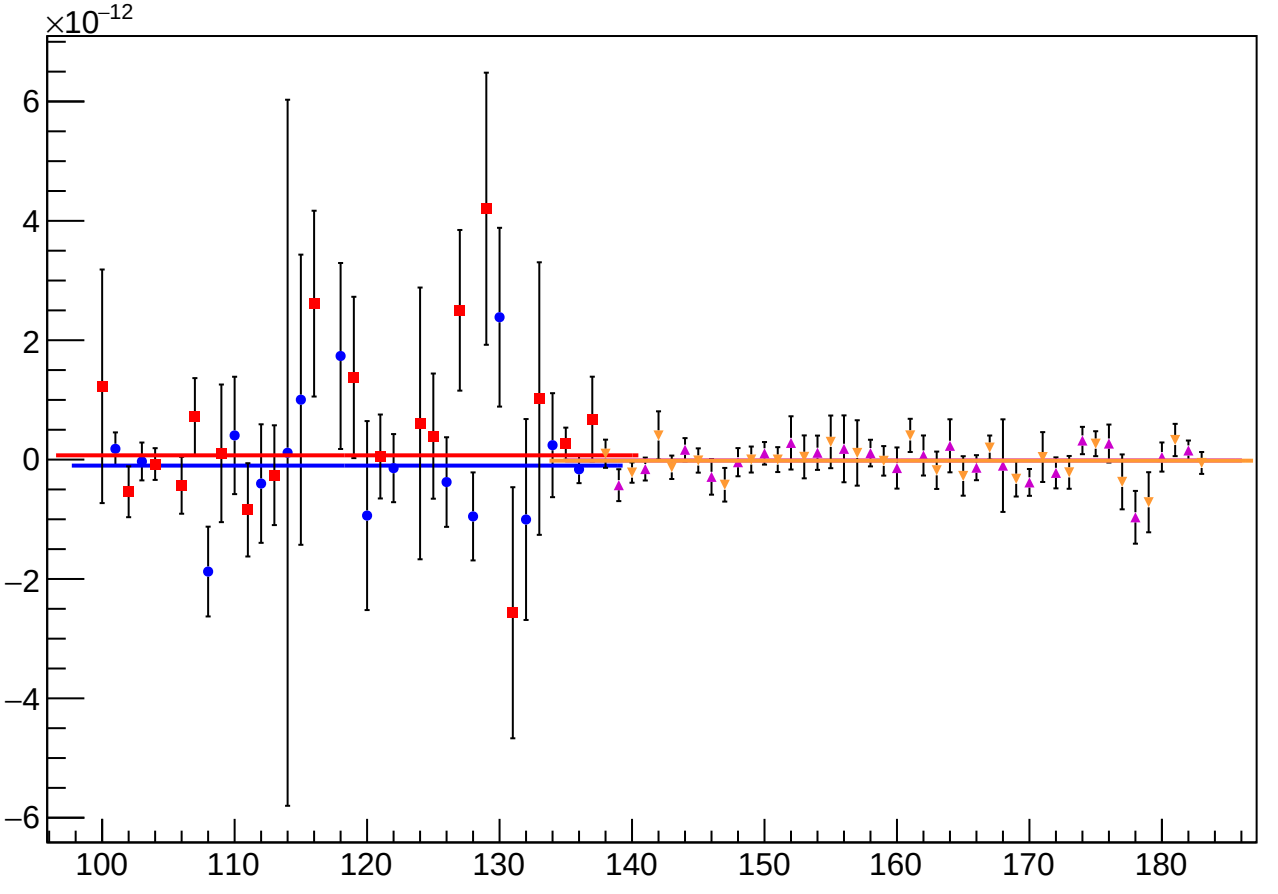
Left In: 9170.142+/-1.556 χ^2/NDF:1126147.6/21

+ sign 8945.158+/-1.263 χ^2/NDF: 2013489.4/39

All: 8855.538+/-0.893 χ^2/NDF: 4364774.7/80

- sign 8765.692+/-1.264 χ^2/NDF: 2341198.9/40

asym_atr2_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/23

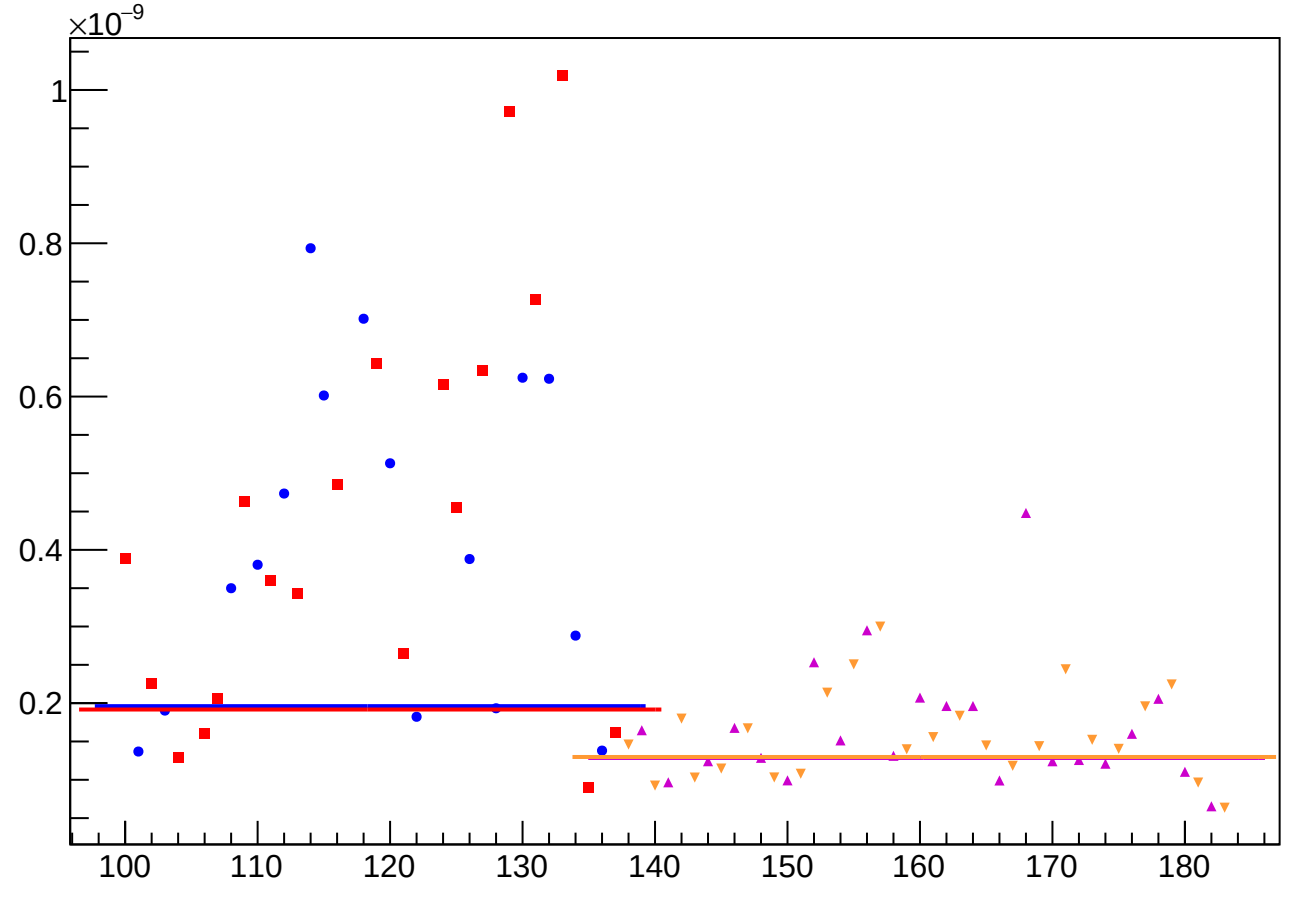
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:18.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/39

All: -0.000+/-0.000 χ^2/NDF: 70.6/80

- sign -0.000+/-0.000 χ^2/NDF: 38.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1389754.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

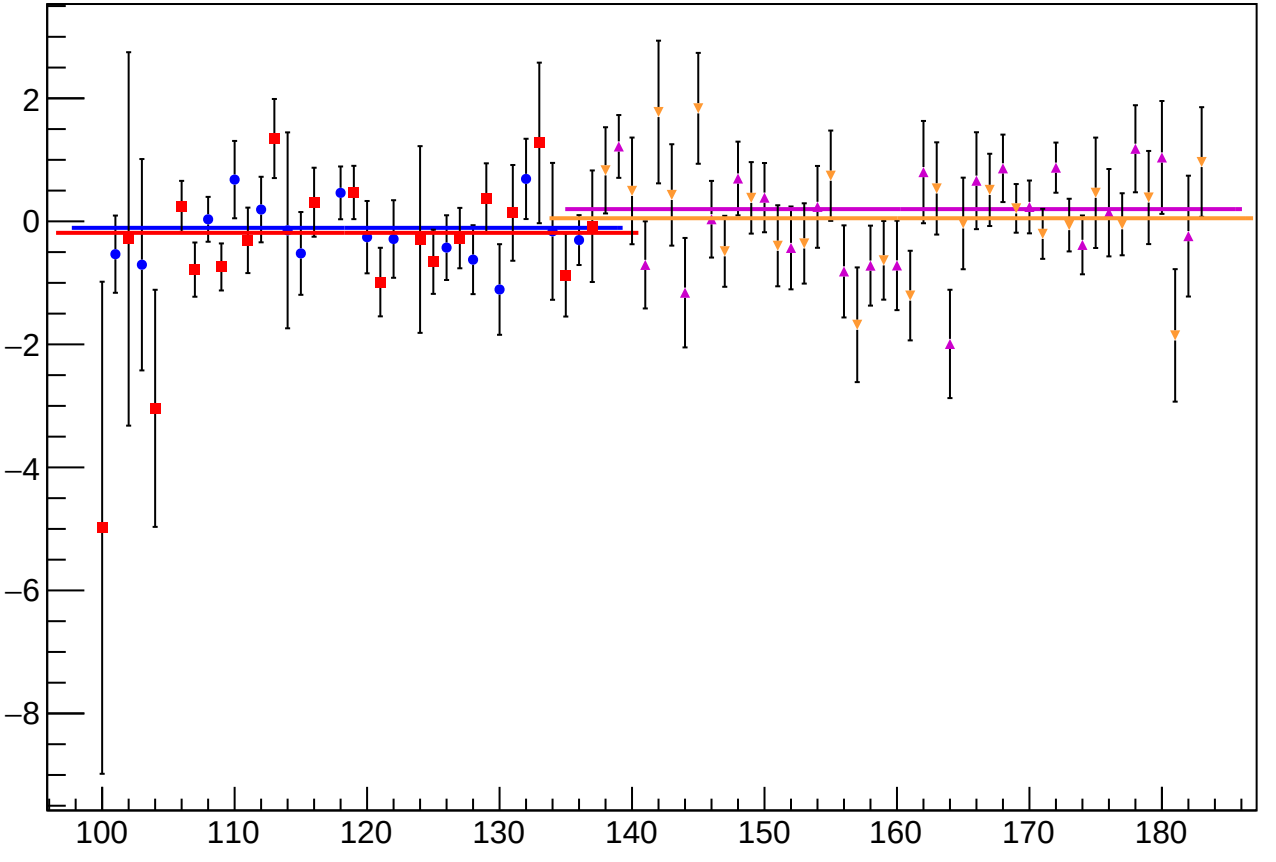
Left In: 0.000+/-0.000 χ^2/NDF:1513489.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 3154446.6/39

All: 0.000+/-0.000 χ^2/NDF: 7092069.8/80

- sign 0.000+/-0.000 χ^2/NDF: 3936490.2/40

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.050+/-0.131 χ^2/NDF:24.7/23

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

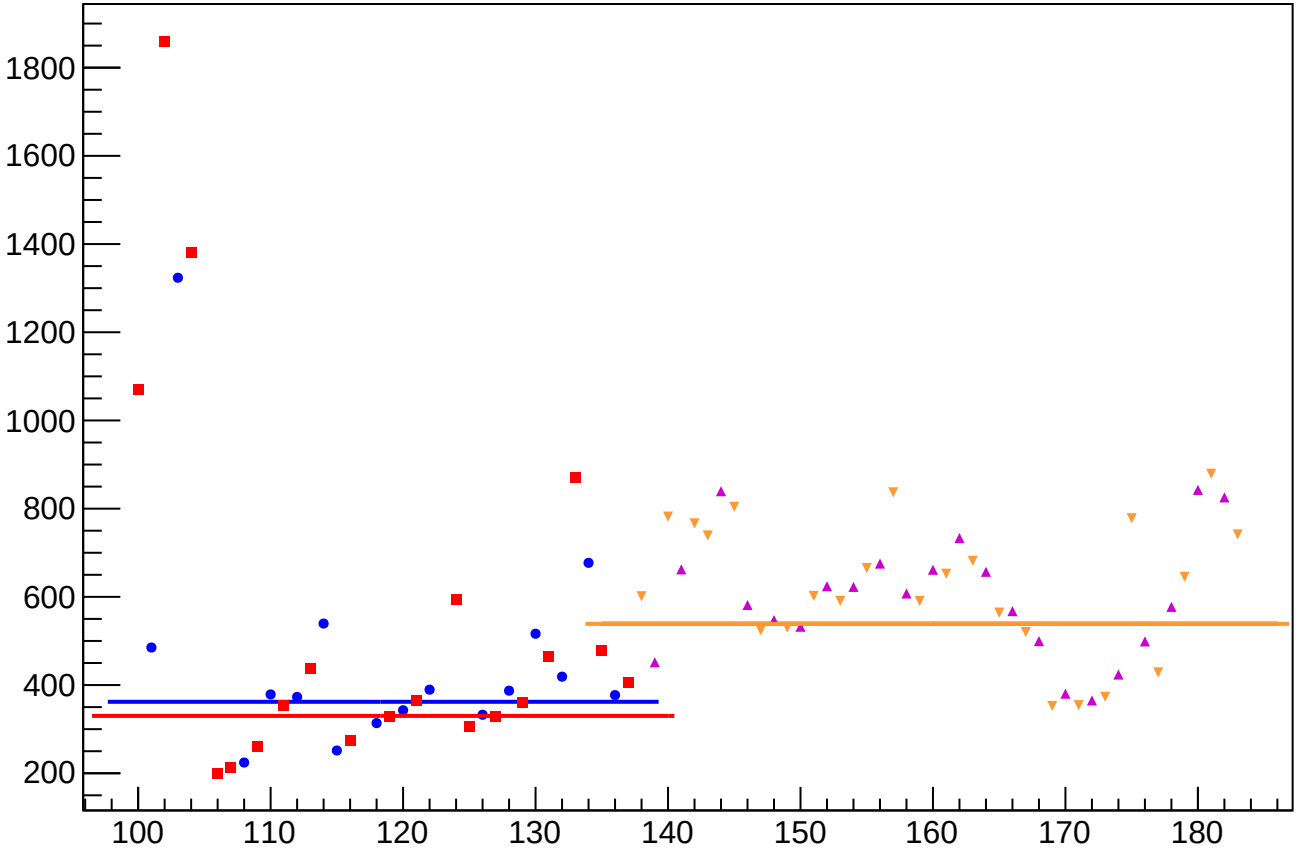
Left In: 0.199+/-0.134 χ^2/NDF:30.8/21

+ sign -0.020+/-0.097 χ^2/NDF: 35.0/39

All: -0.004+/-0.068 χ^2/NDF: 93.8/80

- sign 0.011+/-0.096 χ^2/NDF: 58.7/40

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 538.751+/-0.093 χ^2/NDF:2711745.4/23

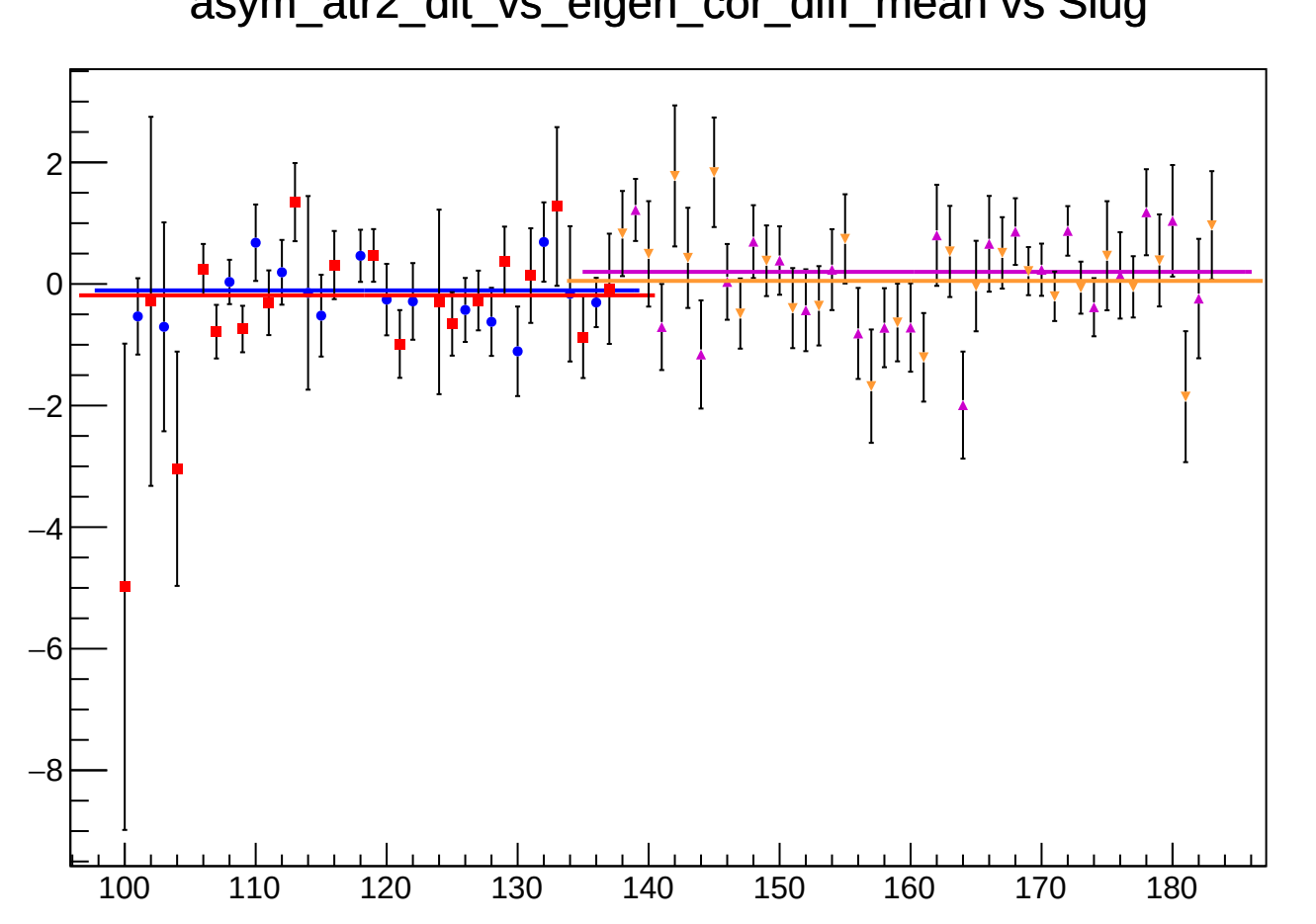
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 539.193+/-0.095 χ^2/NDF:1878326.0/21

+ sign 459.082+/-0.069 χ^2/NDF: 5727511.9/39

All: 448.086+/-0.048 χ^2/NDF: 12279315.3/80

- sign 437.374+/-0.068 χ^2/NDF: 6501219.4/40



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.050+/-0.131 χ^2/NDF:24.7/23

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

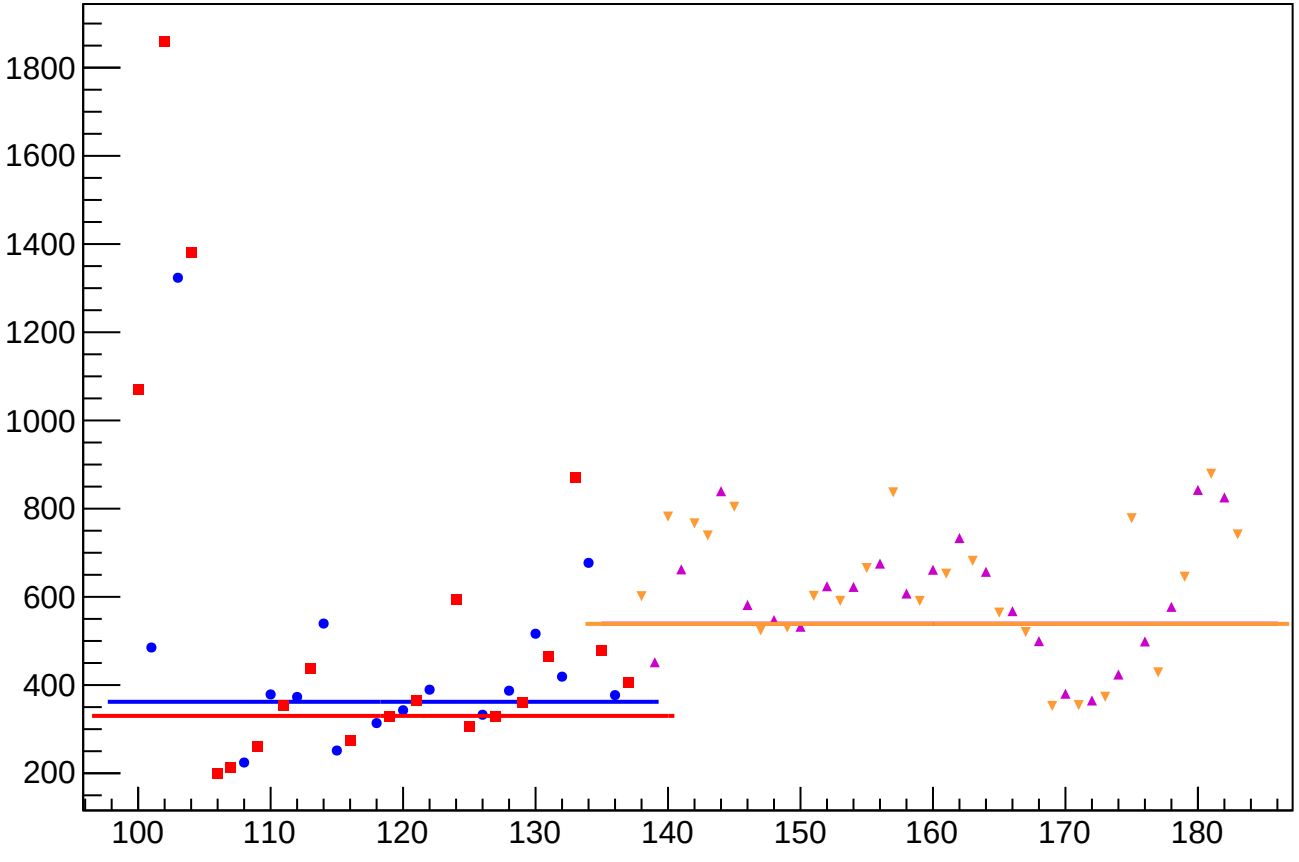
Left In: 0.199+/-0.134 χ^2/NDF:30.8/21

+ sign -0.020+/-0.097 χ^2/NDF: 35.0/39

All: -0.004+/-0.068 χ^2/NDF: 93.8/80

- sign 0.011+/-0.096 χ^2/NDF: 58.7/40

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 538.751+/-0.093 χ^2/NDF:2711745.4/23

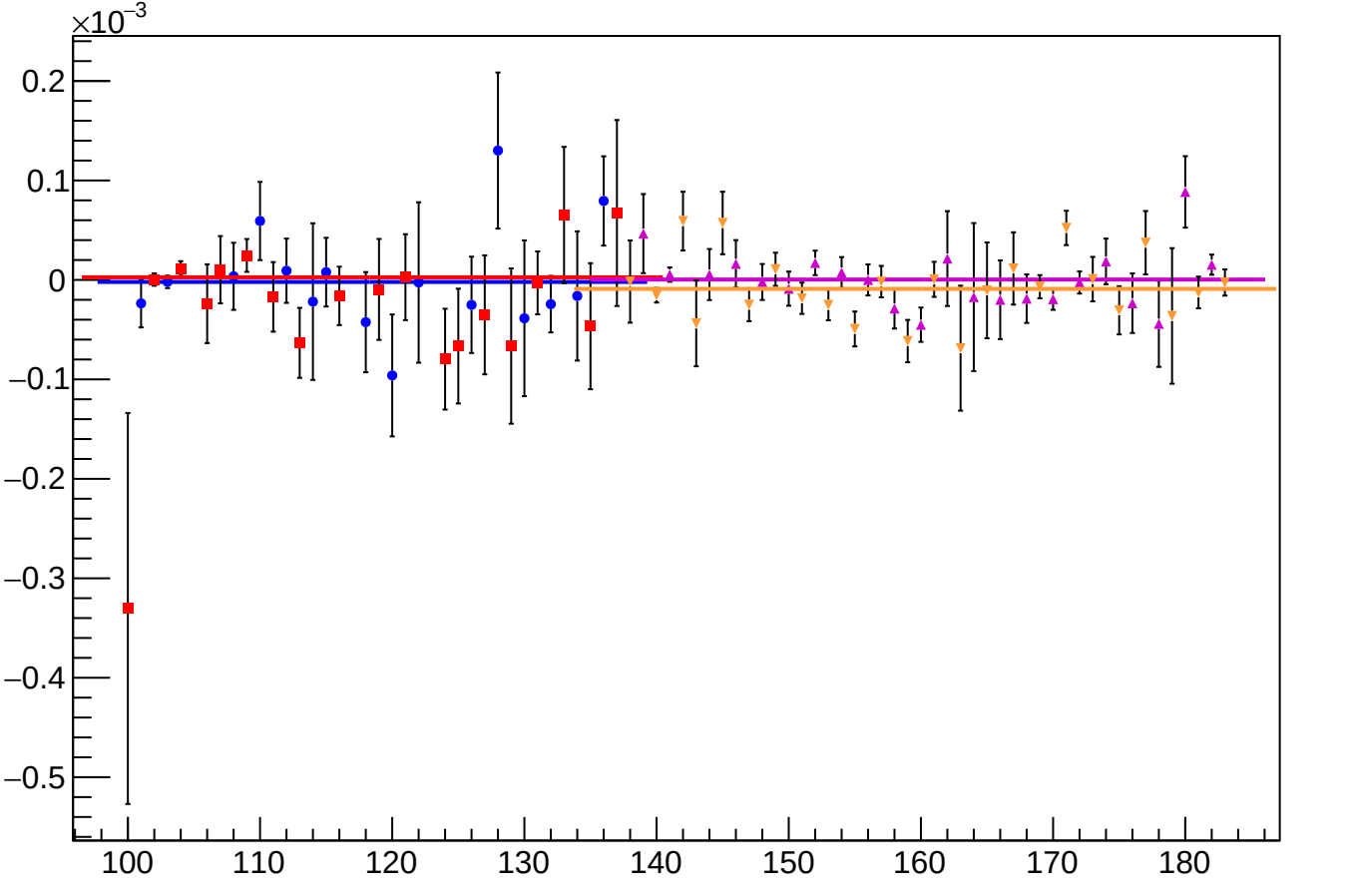
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 539.193+/-0.095 χ^2/NDF:1878326.0/21

+ sign 459.082+/-0.069 χ^2/NDF: 5727511.9/39

All: 448.086+/-0.048 χ^2/NDF: 12279315.3/80

- sign 437.374+/-0.068 χ^2/NDF: 6501219.4/40



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

Left Out: -0.000+/-0.000 χ^2/NDF:44.2/23

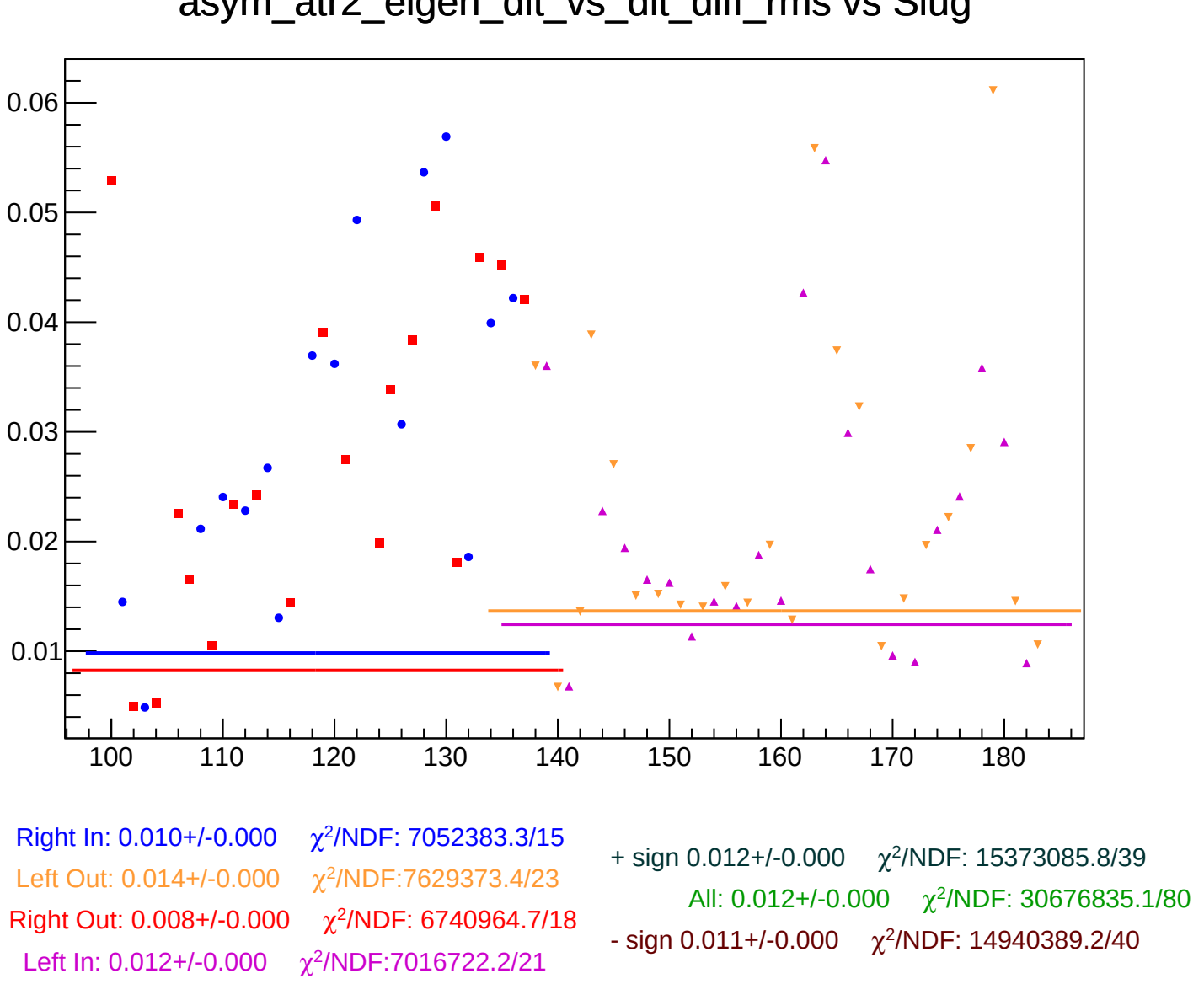
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

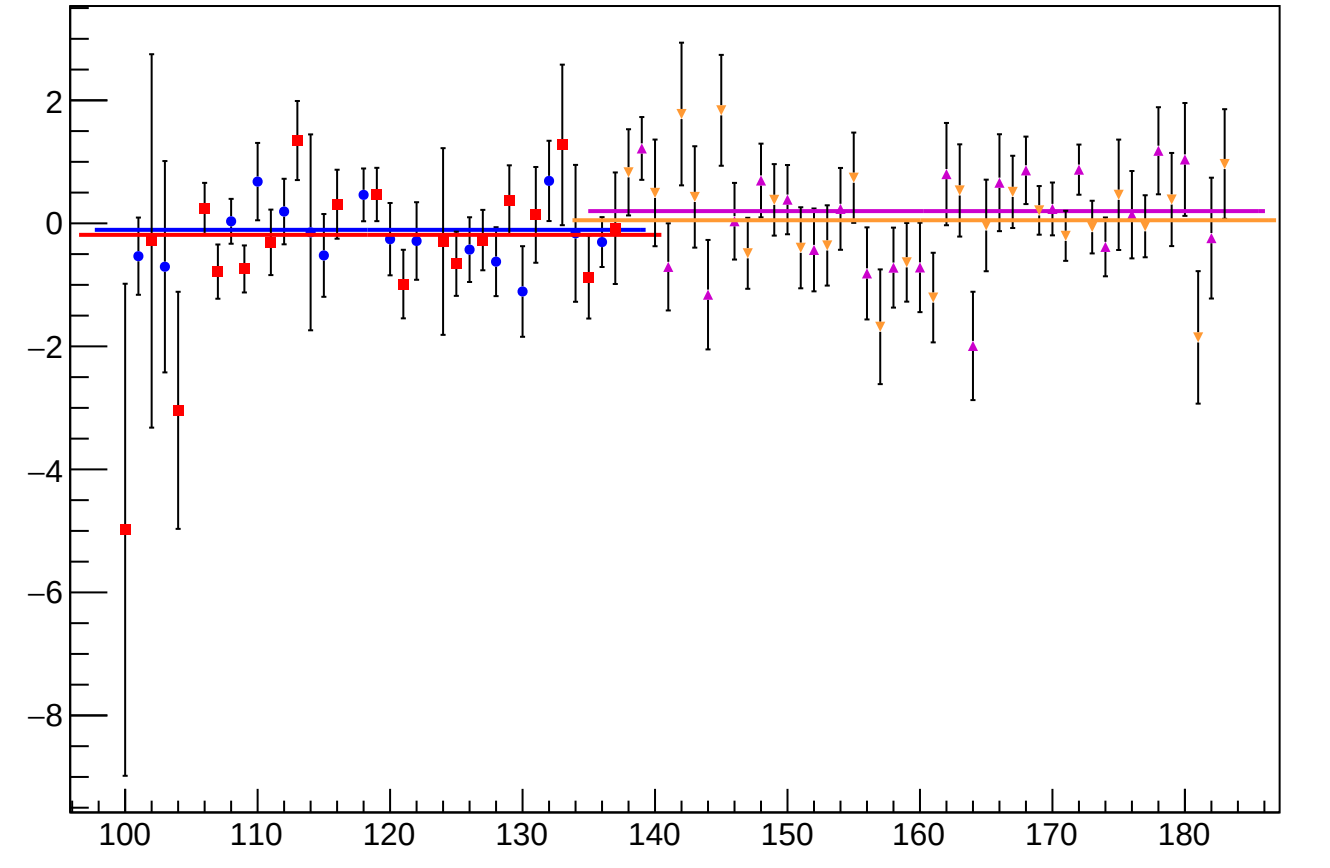
Left In: 0.000+/-0.000 χ^2/NDF:28.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/39

All: -0.000+/-0.000 χ^2/NDF: 110.4/80

- sign 0.000+/-0.000 χ^2/NDF: 47.2/40


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.014+/-0.000 χ²/NDF:7629373.4/23
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.012+/-0.000 χ²/NDF:7016722.2/21
+ sign 0.012+/-0.000 χ²/NDF: 15373085.8/39
All: 0.012+/-0.000 χ²/NDF: 30676835.1/80
- sign 0.011+/-0.000 χ²/NDF: 14940389.2/40



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.050+/-0.131 χ^2/NDF:24.7/23

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

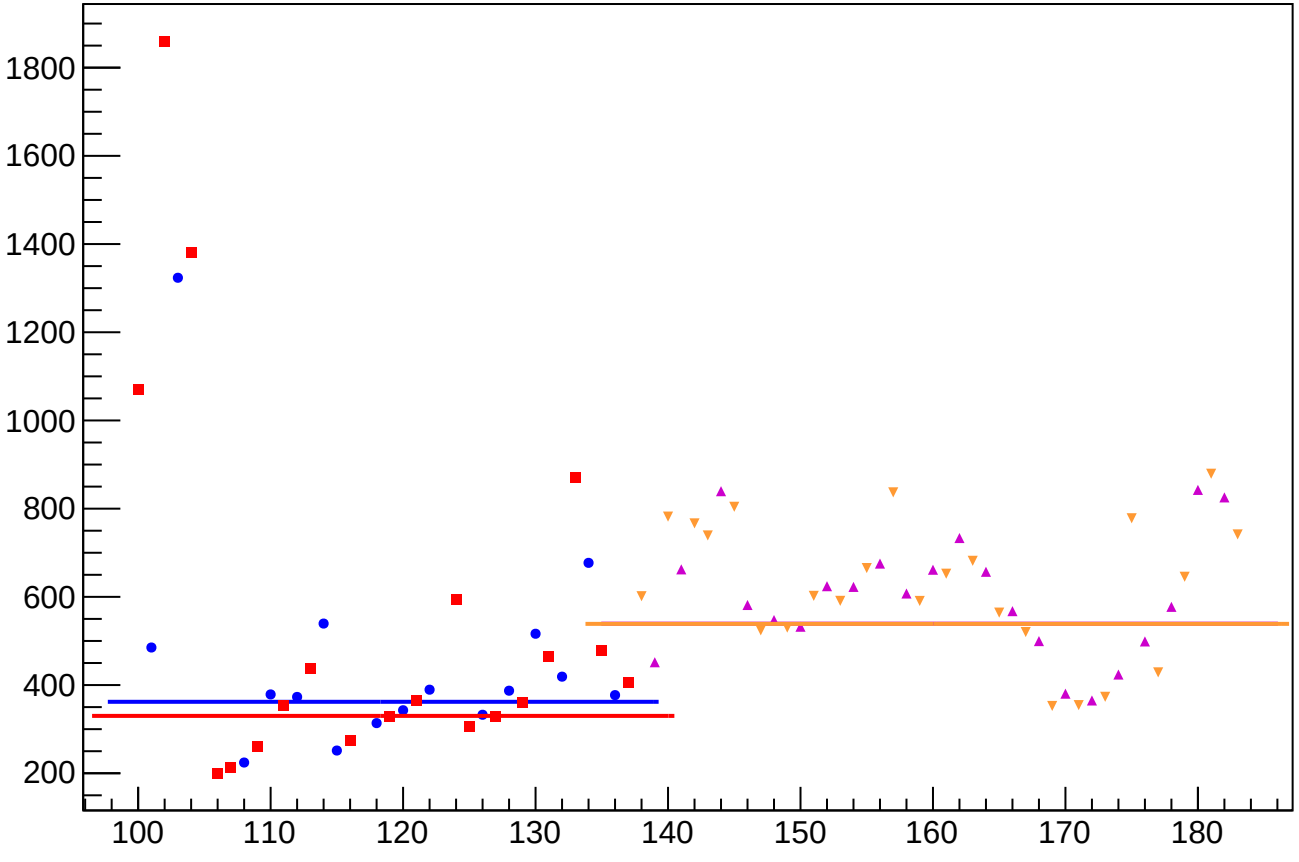
Left In: 0.199+/-0.134 χ^2/NDF:30.8/21

+ sign -0.020+/-0.097 χ^2/NDF: 35.0/39

All: -0.004+/-0.068 χ^2/NDF: 93.8/80

- sign 0.011+/-0.096 χ^2/NDF: 58.7/40

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 538.756+/-0.093 χ^2/NDF:2711832.4/23

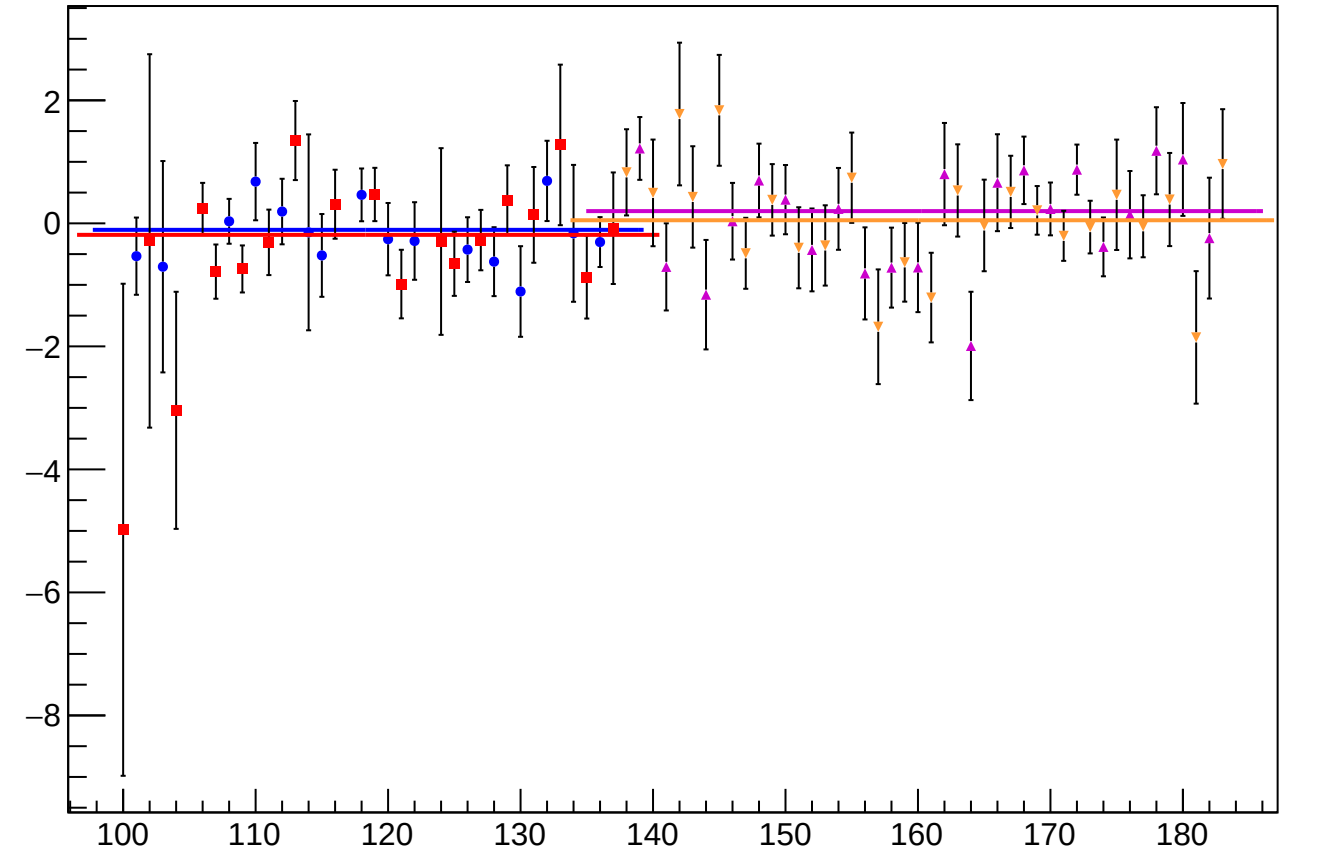
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 539.199+/-0.095 χ^2/NDF:1878366.0/21

+ sign 459.082+/-0.069 χ^2/NDF: 5727731.1/39

All: 448.087+/-0.048 χ^2/NDF: 12279695.8/80

- sign 437.375+/-0.068 χ^2/NDF: 6501384.2/40



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.050+/-0.131 χ^2/NDF:24.7/23

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

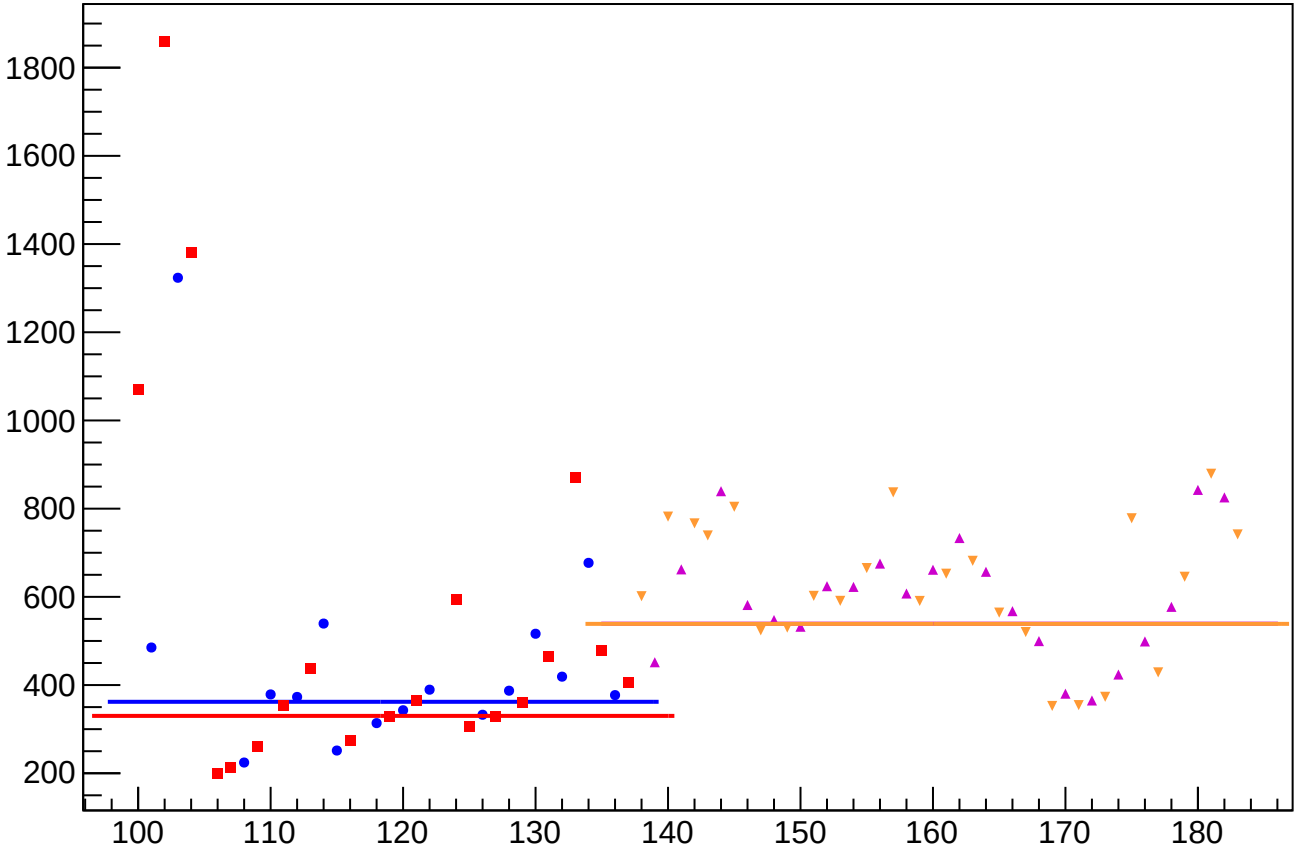
Left In: 0.199+/-0.134 χ^2/NDF:30.8/21

+ sign -0.020+/-0.097 χ^2/NDF: 35.0/39

All: -0.004+/-0.068 χ^2/NDF: 93.8/80

- sign 0.011+/-0.096 χ^2/NDF: 58.7/40

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 538.756+/-0.093 χ^2/NDF:2711832.4/23

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

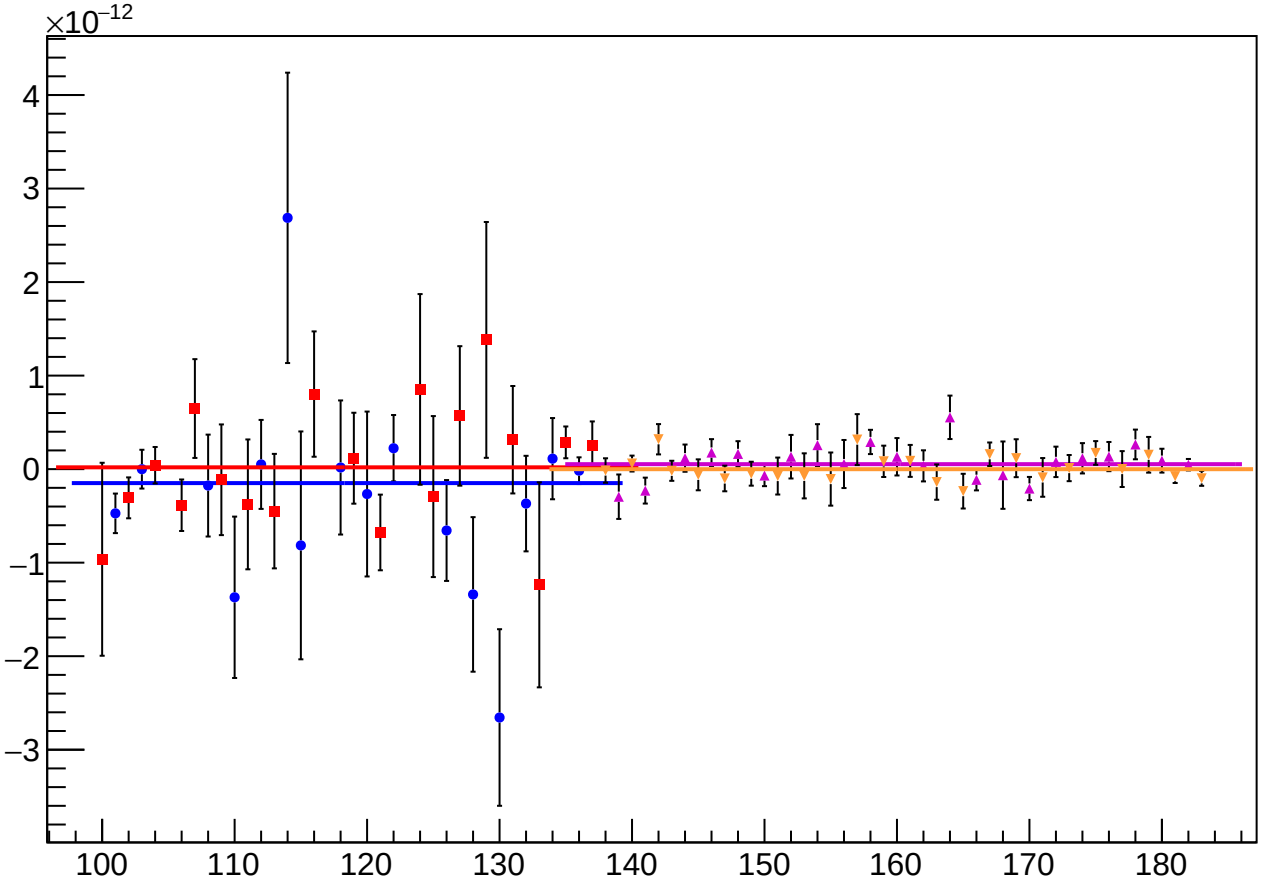
Left In: 539.199+/-0.095 χ^2/NDF:1878366.0/21

+ sign 459.082+/-0.069 χ^2/NDF: 5727731.1/39

All: 448.087+/-0.048 χ^2/NDF: 12279695.8/80

- sign 437.375+/-0.068 χ^2/NDF: 6501384.2/40

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/23

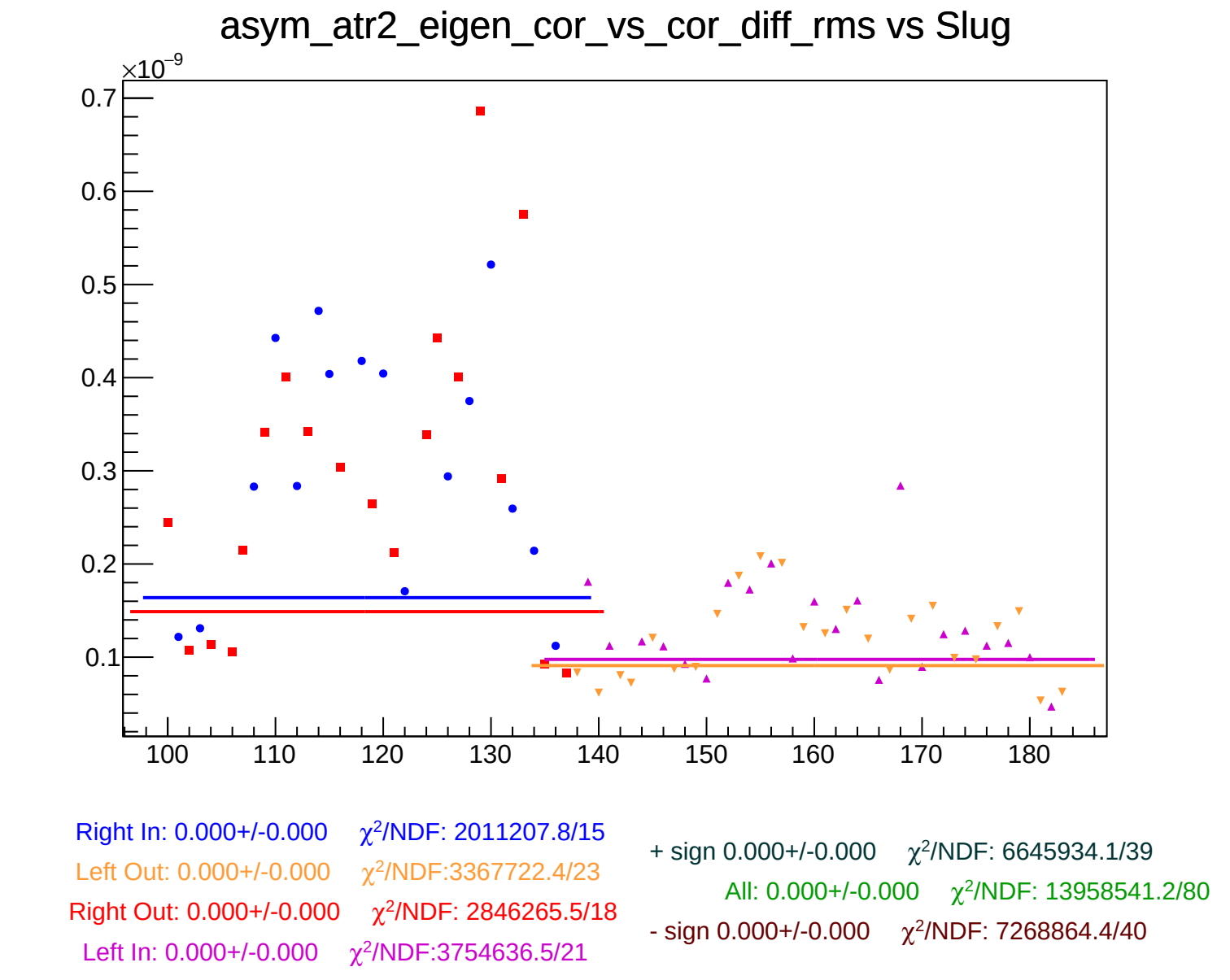
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:27.1/21

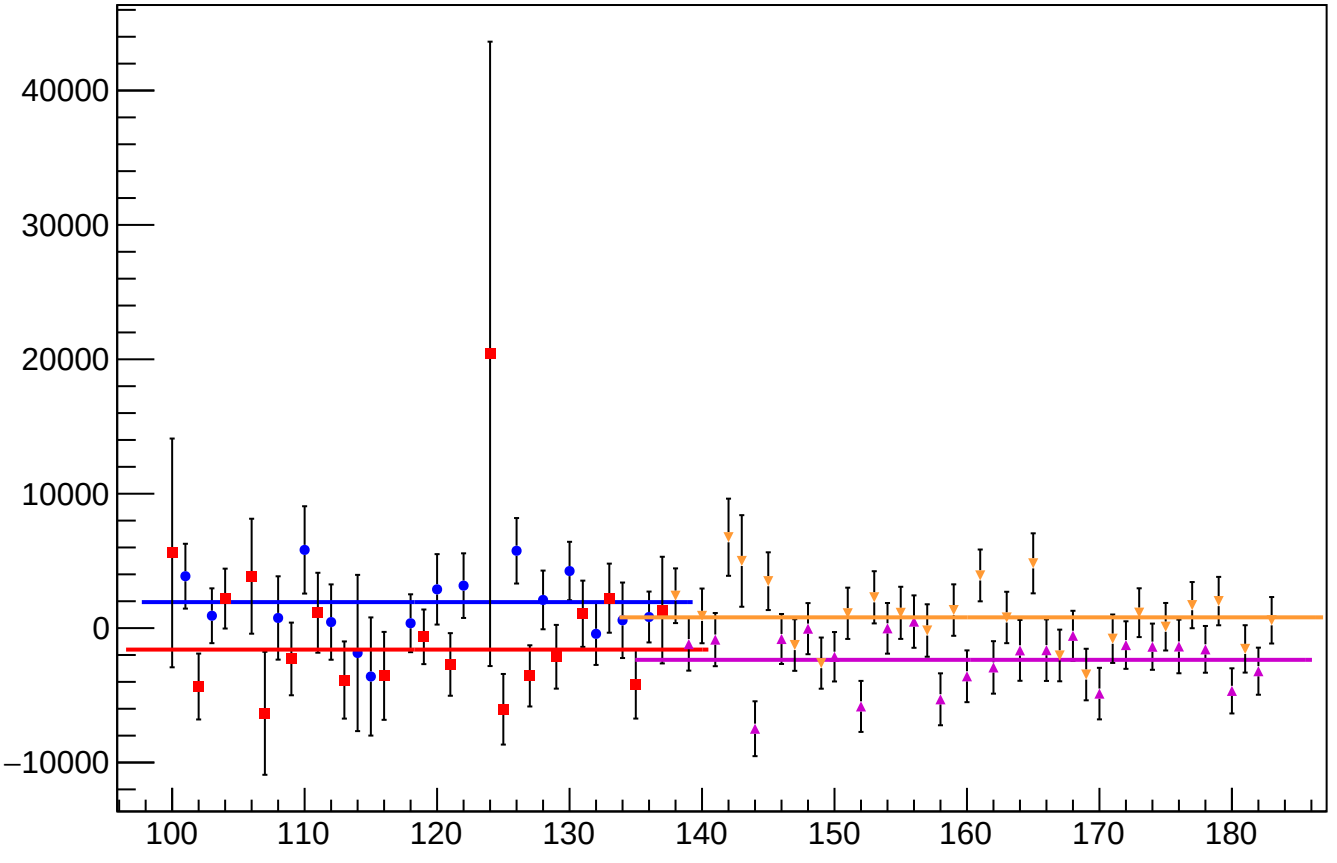
+ sign -0.000+/-0.000 χ^2/NDF: 40.7/39

All: 0.000+/-0.000 χ^2/NDF: 90.2/80

- sign 0.000+/-0.000 χ^2/NDF: 46.7/40


asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2011207.8/15
Left Out: 0.000+/-0.000 χ²/NDF:3367722.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 2846265.5/18
Left In: 0.000+/-0.000 χ²/NDF:3754636.5/21
+ sign 0.000+/-0.000 χ²/NDF: 6645934.1/39
All: 0.000+/-0.000 χ²/NDF: 13958541.2/80
- sign 0.000+/-0.000 χ²/NDF: 7268864.4/40

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 801.577+/-397.909 χ^2/NDF:29.8/23

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

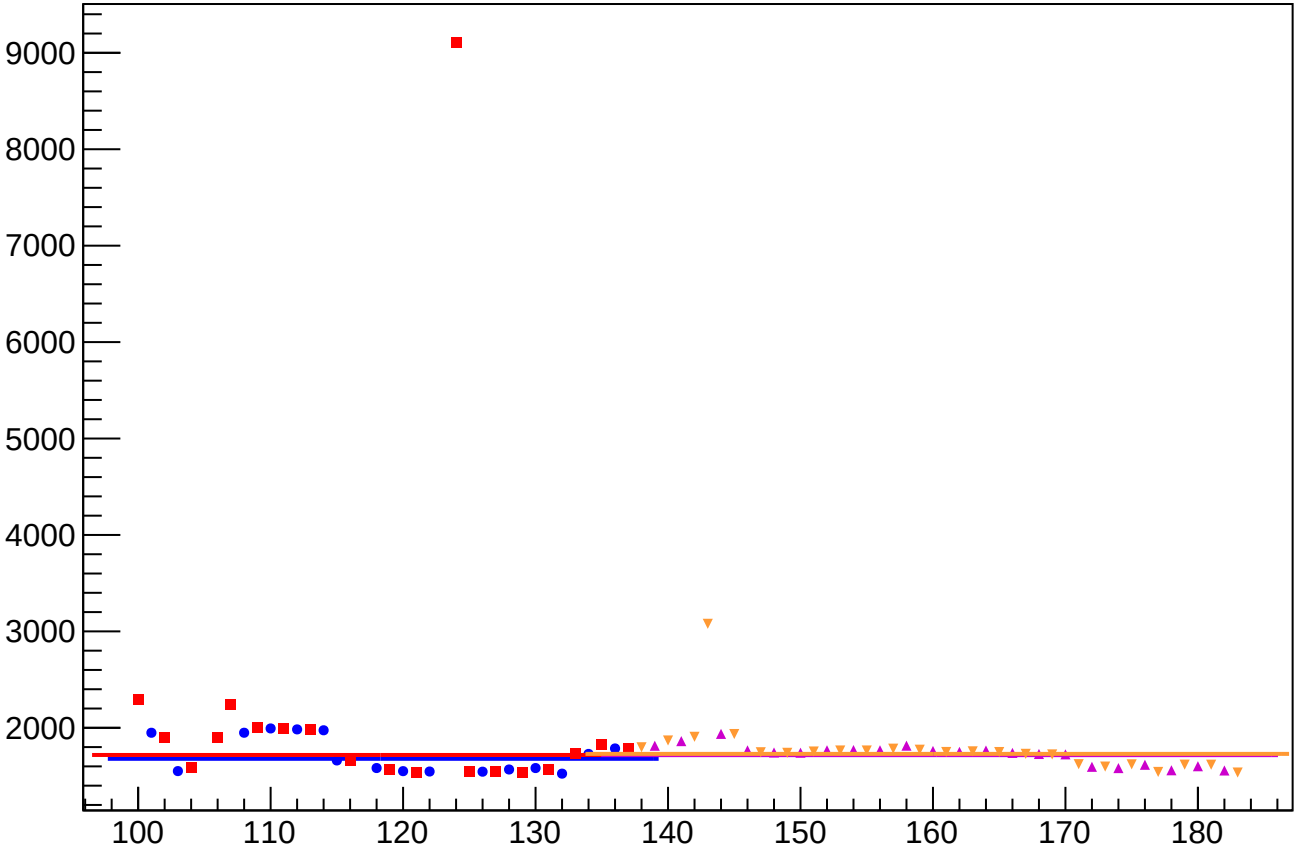
Left In: -2360.252+/-404.819 χ^2/NDF:25.4/21

+ sign 1126.281+/-336.099 χ^2/NDF: 43.0/39

All: -477.959+/-239.875 χ^2/NDF: 135.2/80

- sign -2143.487+/-342.459 χ^2/NDF: 45.8/40

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1729.590+/-0.281 χ^2/NDF:445844.7/23

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

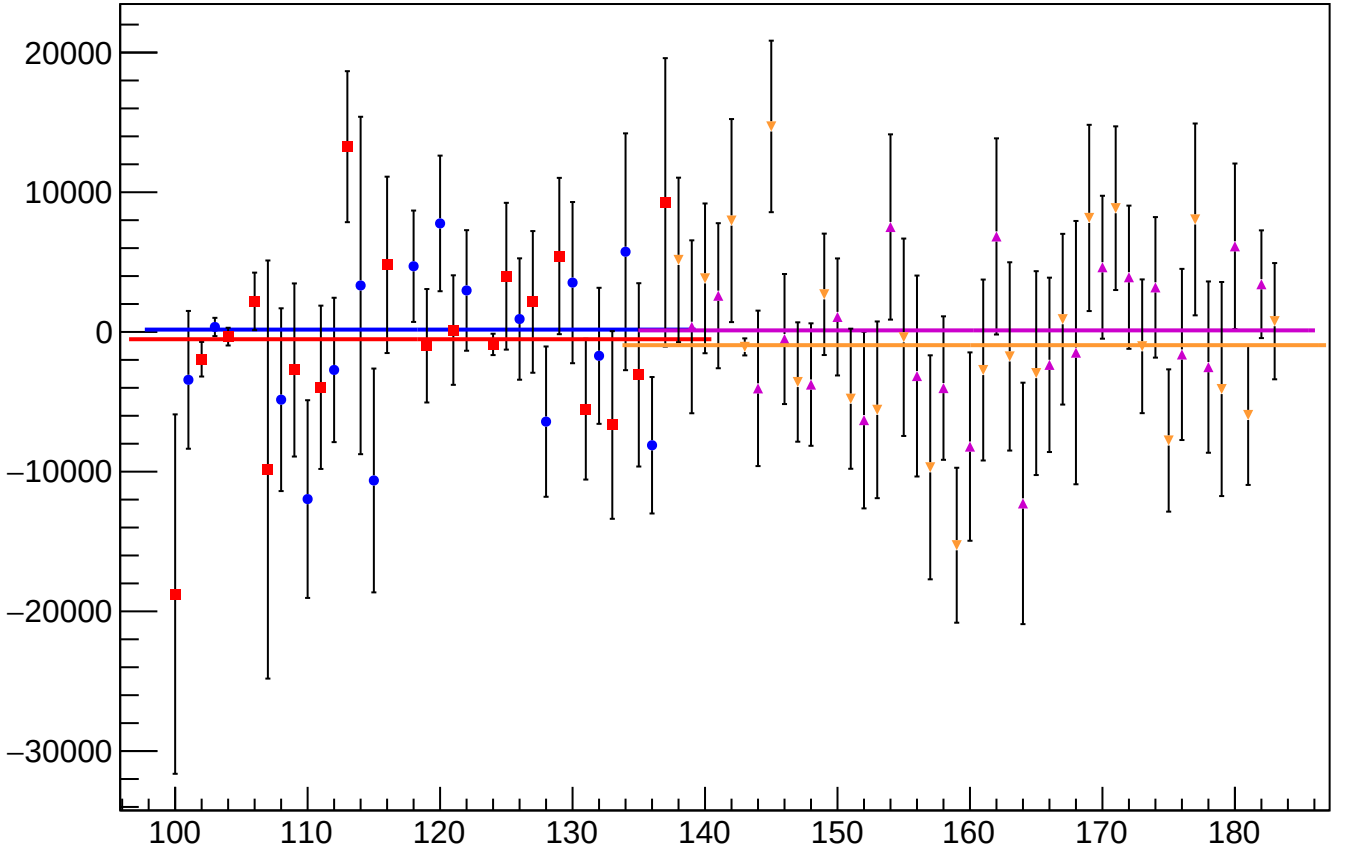
Left In: 1716.549+/-0.286 χ^2/NDF:122258.1/21

+ sign 1714.962+/-0.238 χ^2/NDF: 596759.0/39

All: 1715.990+/-0.170 χ^2/NDF: 1102245.3/80

- sign 1717.054+/-0.242 χ^2/NDF: 505448.3/40

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -946.528+/-542.732 χ^2/NDF:29.8/23

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

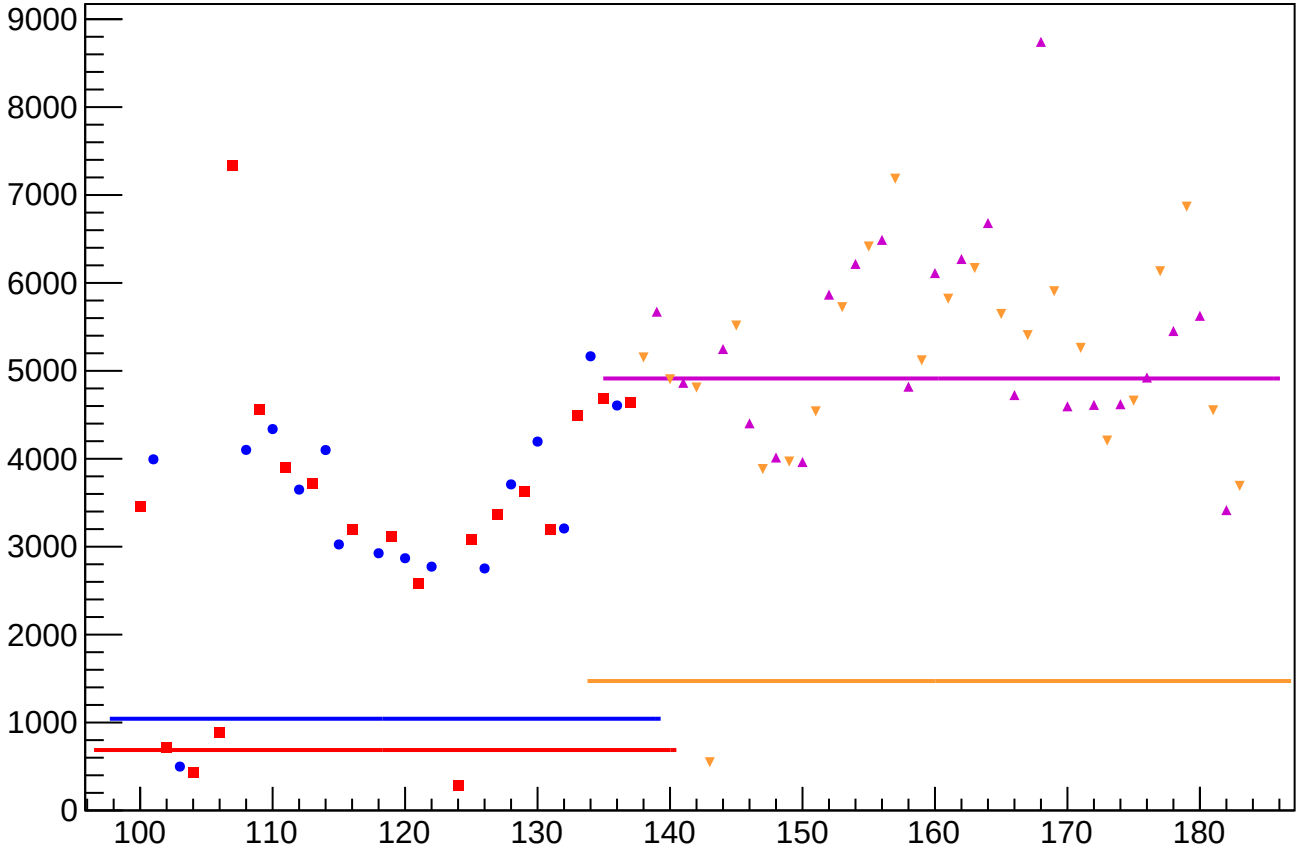
Left In: 112.676+/-1184.134 χ^2/NDF:13.2/21

+ sign -437.067+/-399.934 χ^2/NDF: 47.5/39

All: -442.947+/-282.761 χ^2/NDF: 79.5/80

- sign -448.823+/-399.835 χ^2/NDF: 32.0/40

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1472.264+/-0.384 χ^2/NDF:23036578.8/23

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

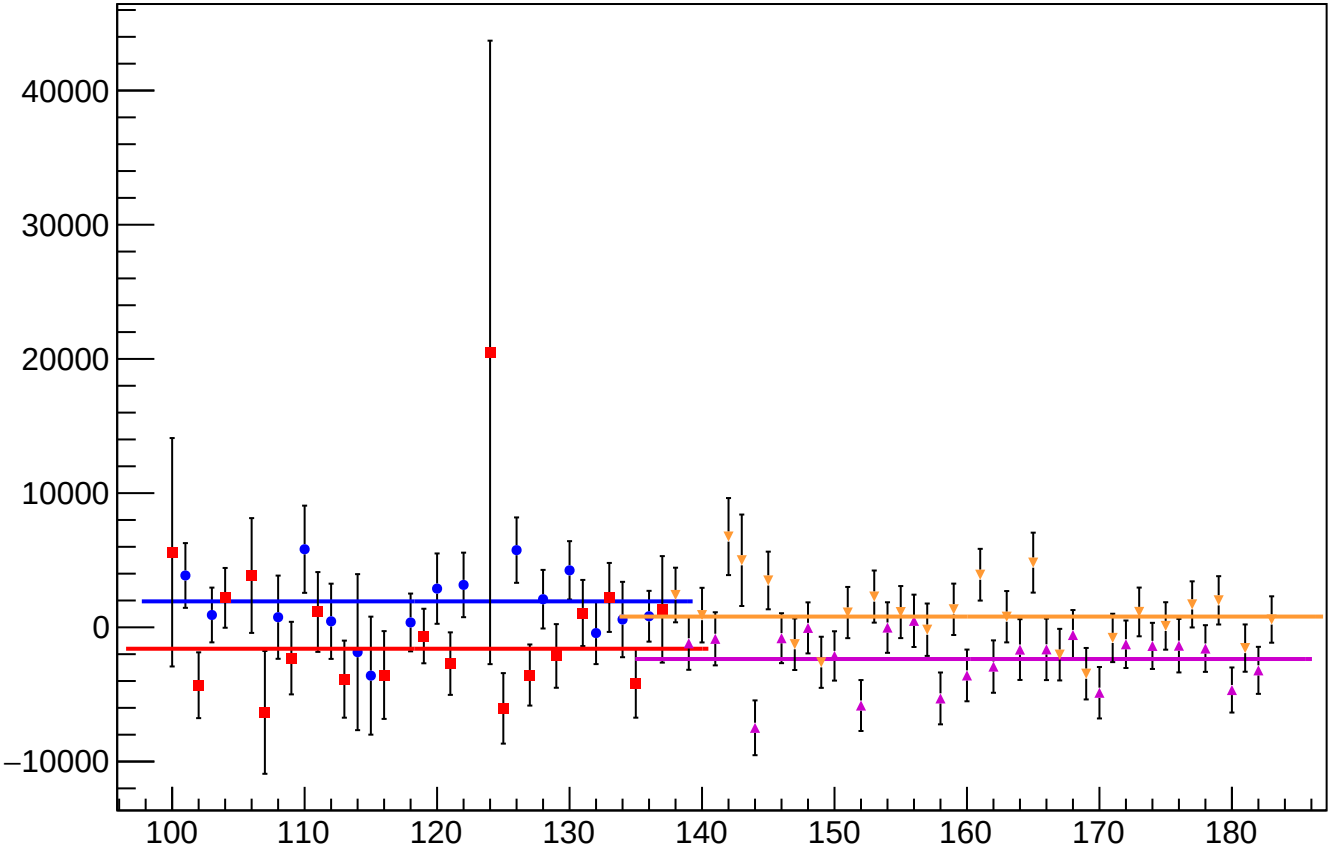
Left In: 4913.342+/-0.837 χ^2/NDF:1389304.0/21

+ sign 1276.147+/-0.283 χ^2/NDF: 31719929.8/39

All: 1222.637+/-0.200 χ^2/NDF: 64381561.9/8

- sign 1169.154+/-0.283 χ^2/NDF: 32590044.5/40

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 801.551+/-397.909 χ^2/NDF:29.8/23

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

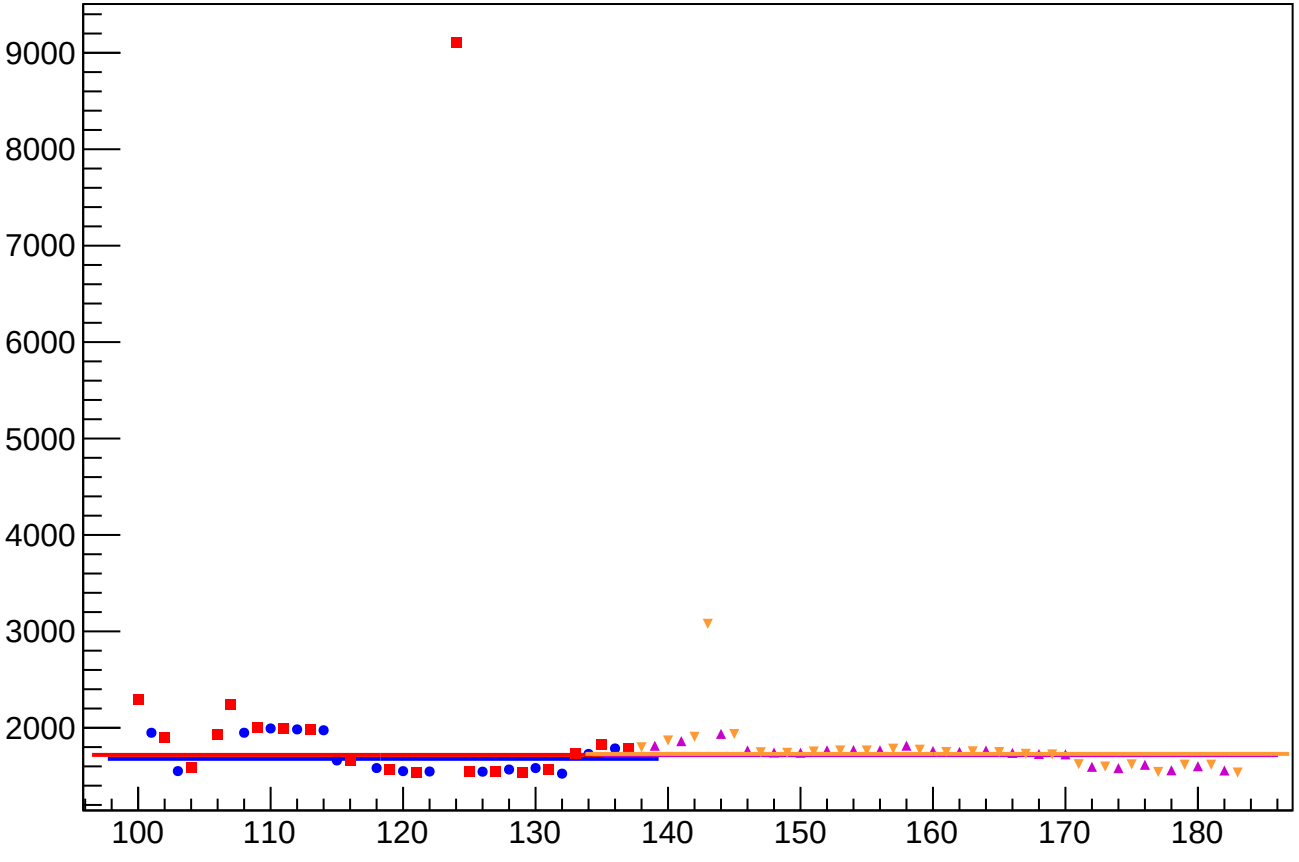
Left In: -2360.258+/-404.819 χ^2/NDF:25.4/21

+ sign 1126.295+/-336.099 χ^2/NDF: 43.0/39

All: -477.611+/-239.875 χ^2/NDF: 135.2/80

- sign -2142.800+/-342.460 χ^2/NDF: 45.8/40

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1729.590+/-0.281 χ^2/NDF:445844.7/23

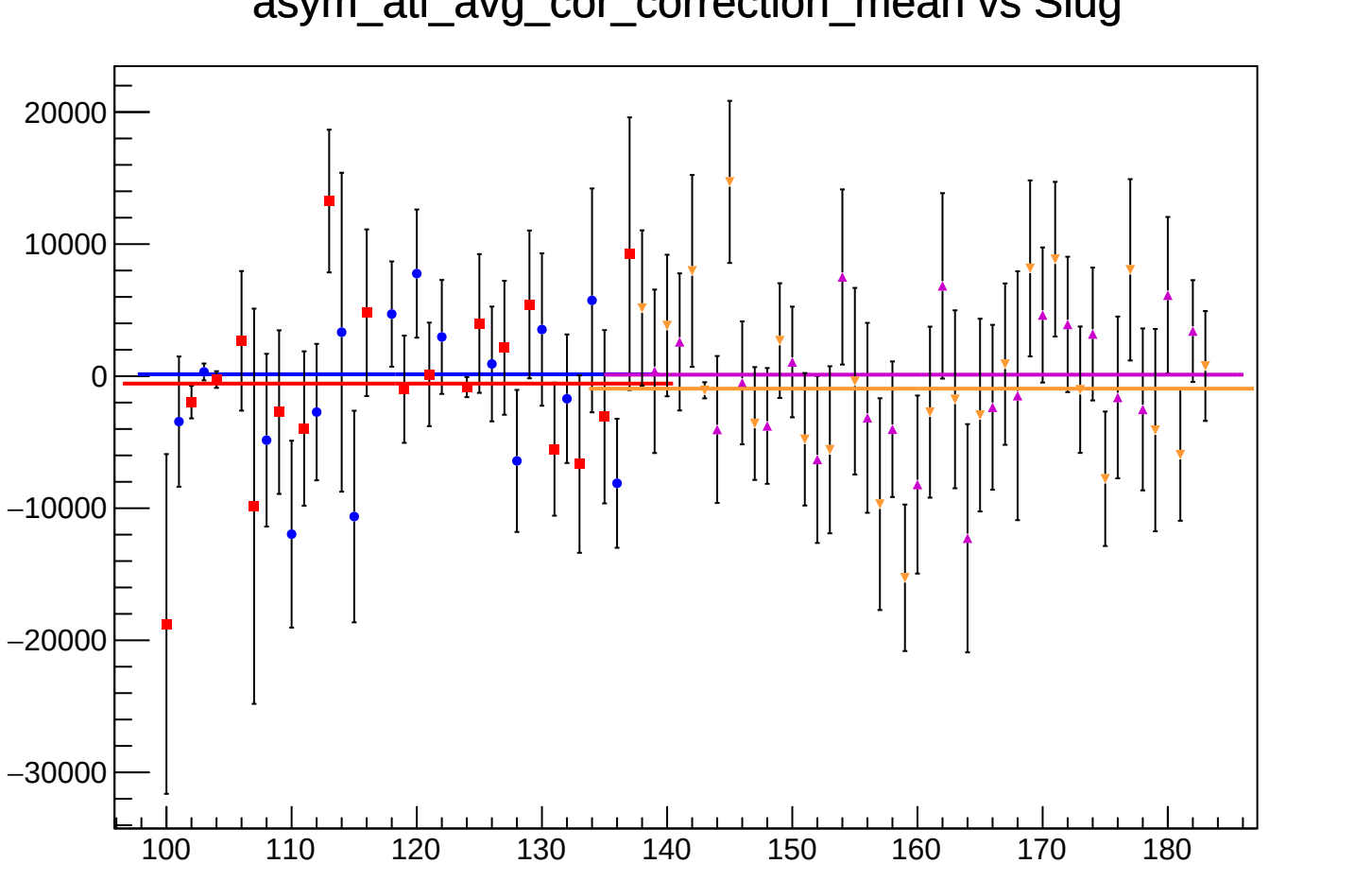
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1716.549+/-0.286 χ^2/NDF:122258.1/21

+ sign 1714.962+/-0.238 χ^2/NDF: 596759.1/39

All: 1716.107+/-0.170 χ^2/NDF: 1104010.3/80

- sign 1717.292+/-0.242 χ^2/NDF: 507204.0/40



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -946.205+/-542.714 χ^2/NDF:29.8/23

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

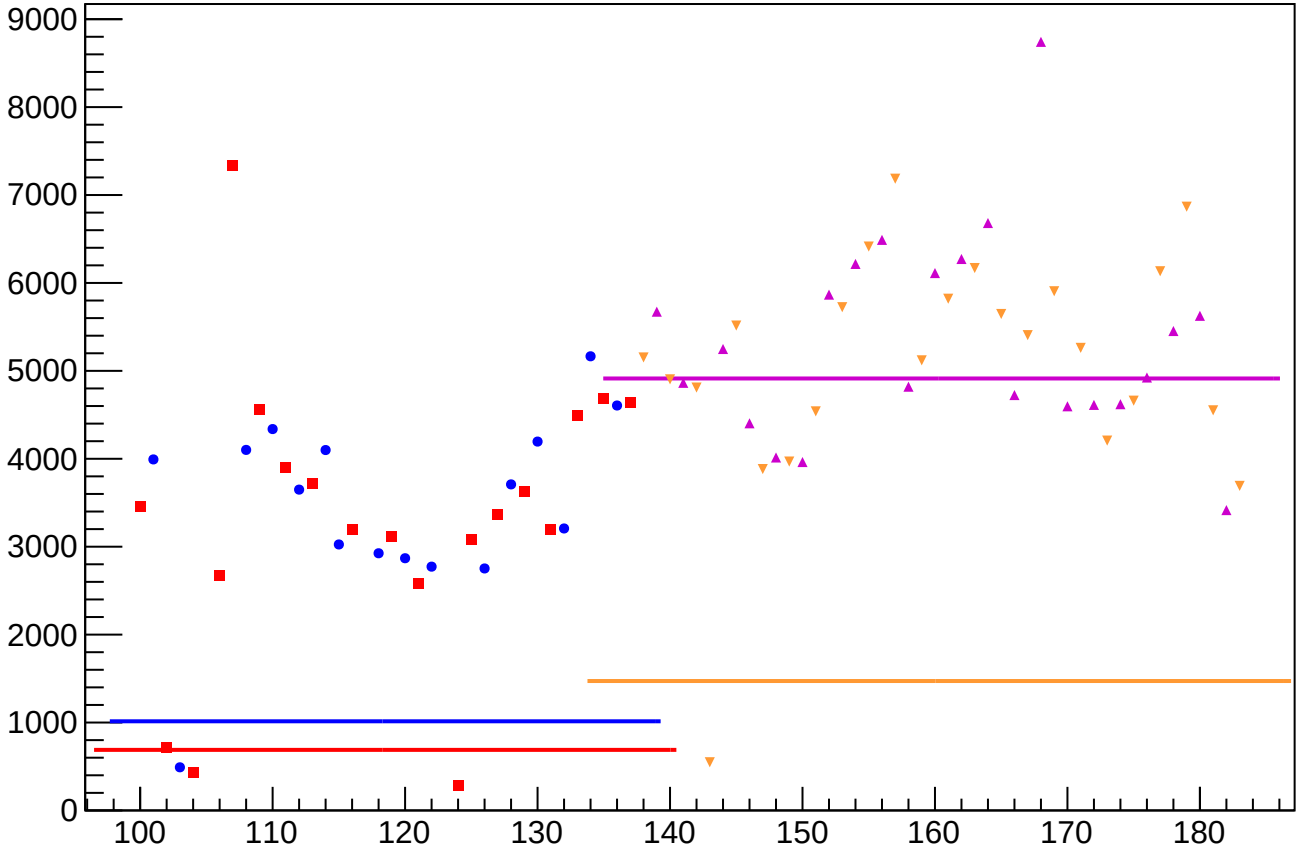
Left In: 112.589+/-1184.133 χ^2/NDF:13.2/21

+ sign -435.475+/-396.077 χ^2/NDF: 47.5/39

All: -458.592+/-283.066 χ^2/NDF: 78.2/80

- sign -482.725+/-404.692 χ^2/NDF: 30.7/40

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1472.186+/-0.384 χ^2/NDF:23037190.5/23

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

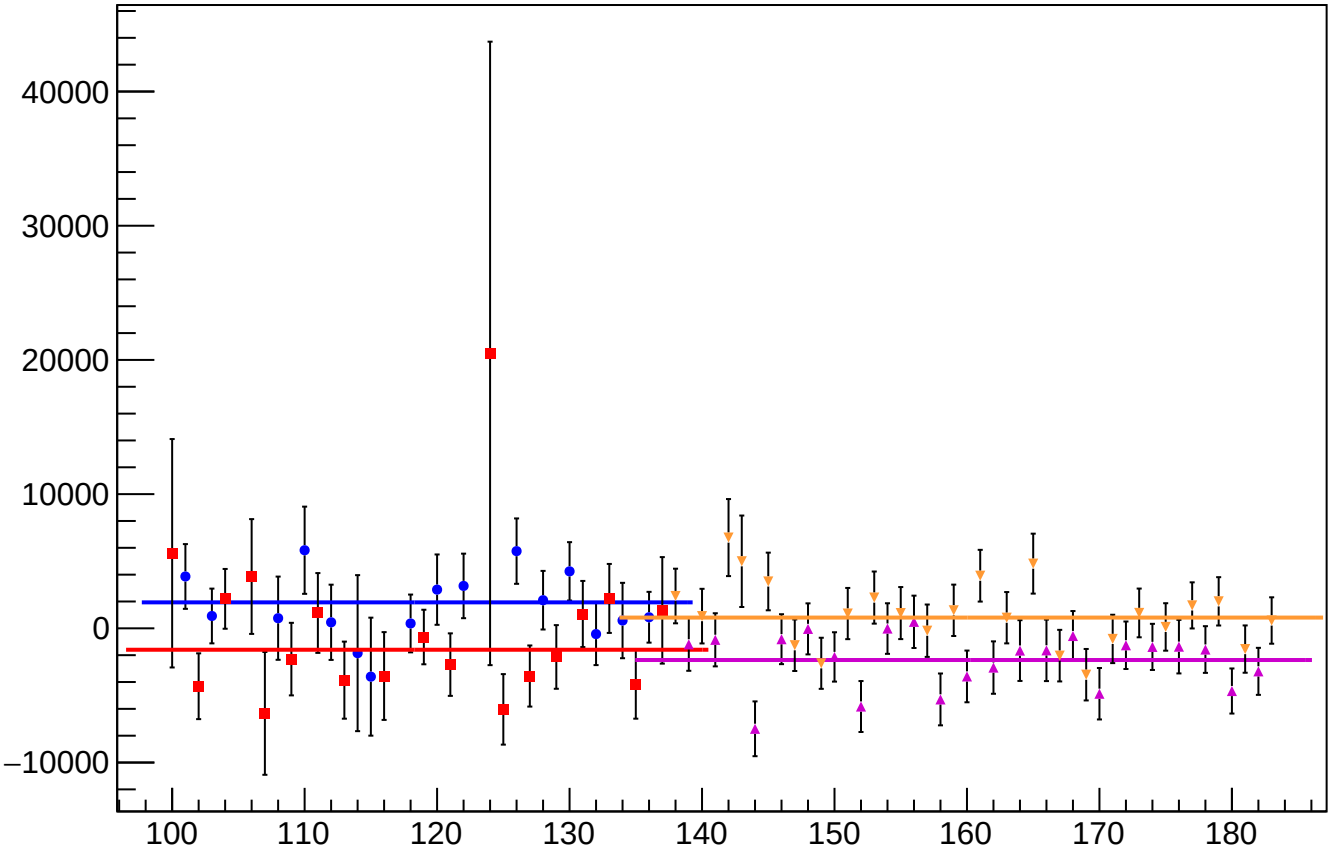
Left In: 4913.336+/-0.837 χ^2/NDF:1389325.5/21

+ sign 1258.084+/-0.280 χ^2/NDF: 31926188.2/39

All: 1221.084+/-0.200 χ^2/NDF: 64741370.5/8

- sign 1182.457+/-0.286 χ^2/NDF: 32779508.8/40

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 801.551+/-397.909 χ^2/NDF:29.8/23

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

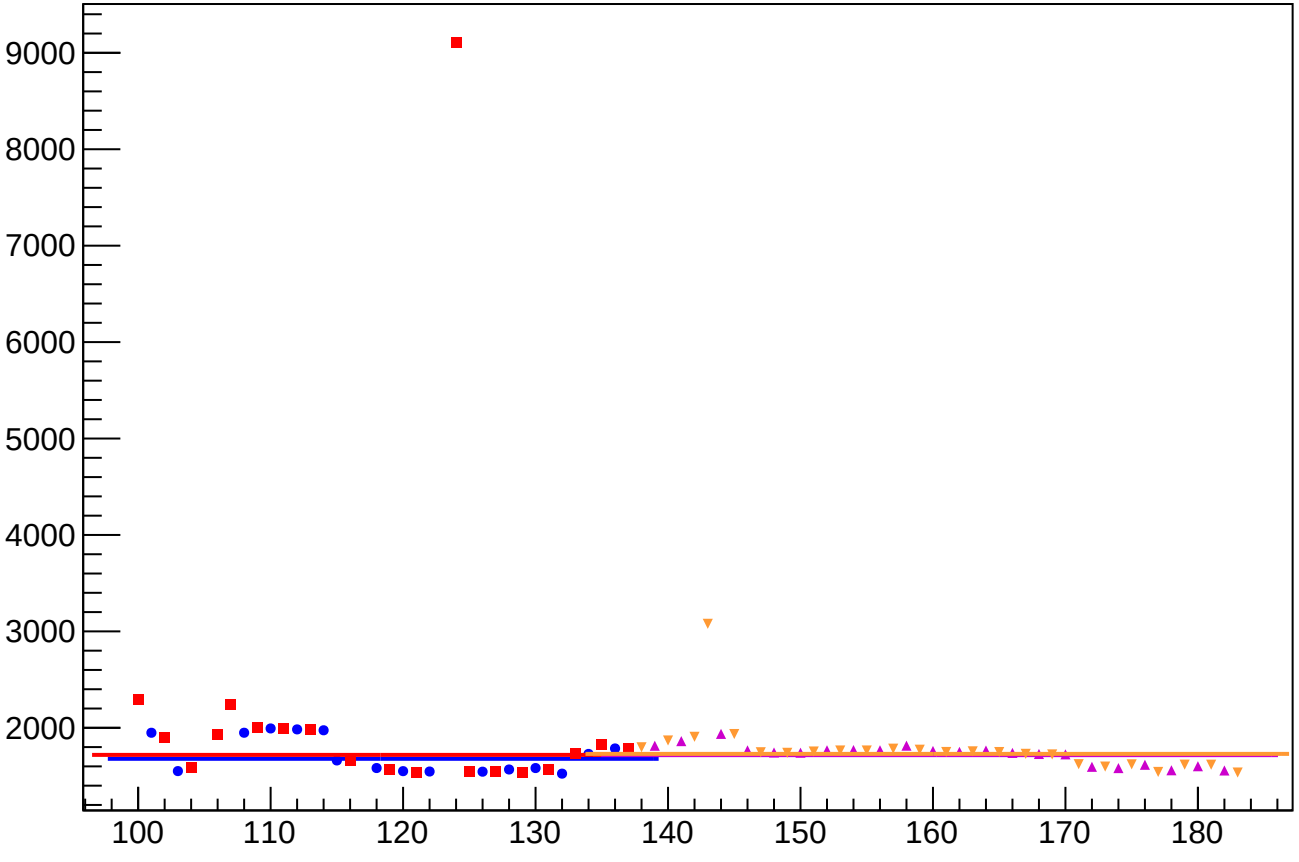
Left In: -2360.258+/-404.819 χ^2/NDF:25.4/21

+ sign 1126.295+/-336.099 χ^2/NDF: 43.0/39

All: -477.611+/-239.875 χ^2/NDF: 135.2/80

- sign -2142.800+/-342.460 χ^2/NDF: 45.8/40

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1729.590+/-0.281 χ^2/NDF:445844.7/23

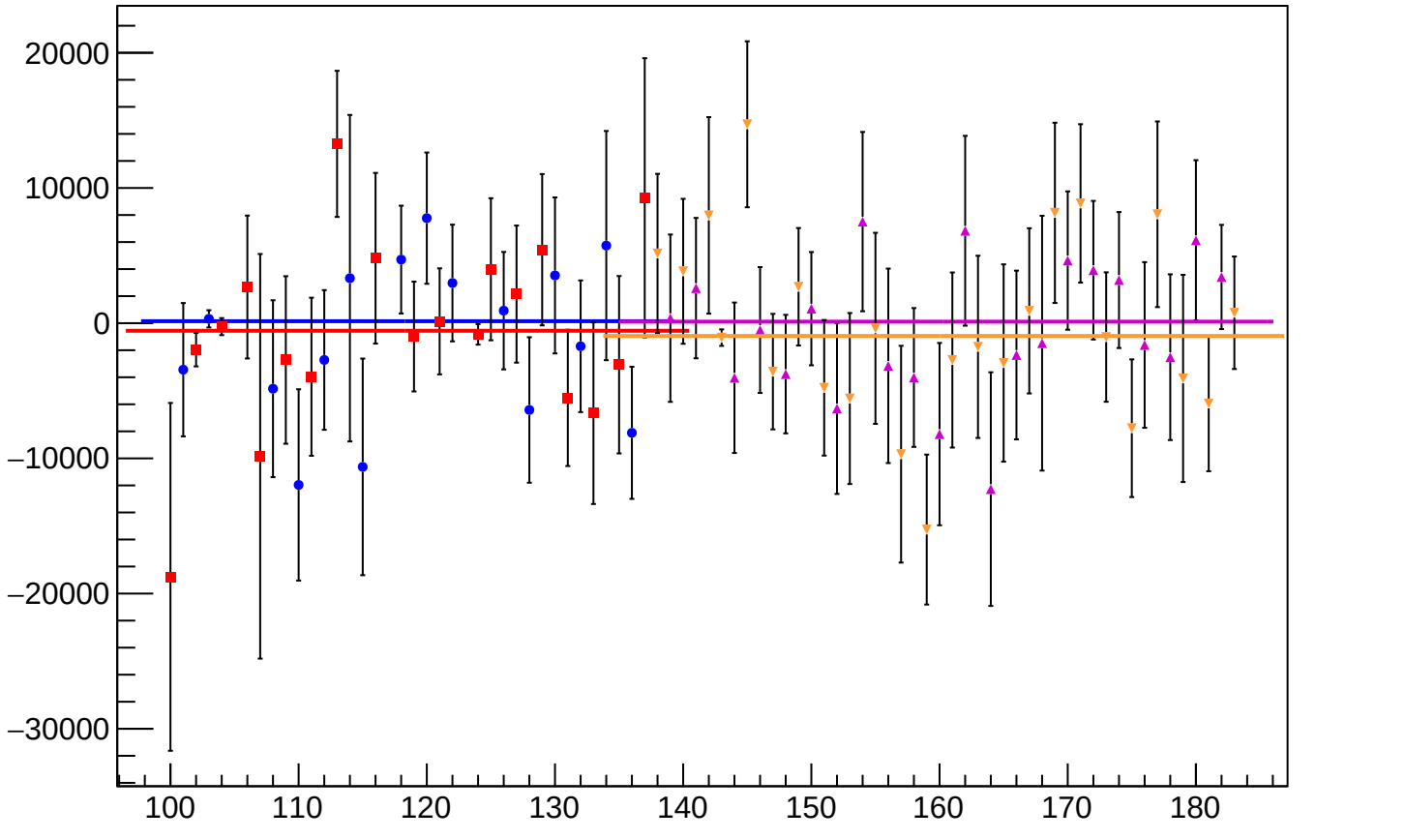
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1716.549+/-0.286 χ^2/NDF:122258.1/21

+ sign 1714.962+/-0.238 χ^2/NDF: 596759.1/39

All: 1716.107+/-0.170 χ^2/NDF: 1104010.3/80

- sign 1717.292+/-0.242 χ^2/NDF: 507204.0/40



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -946.205+/-542.714 χ^2/NDF:29.8/23

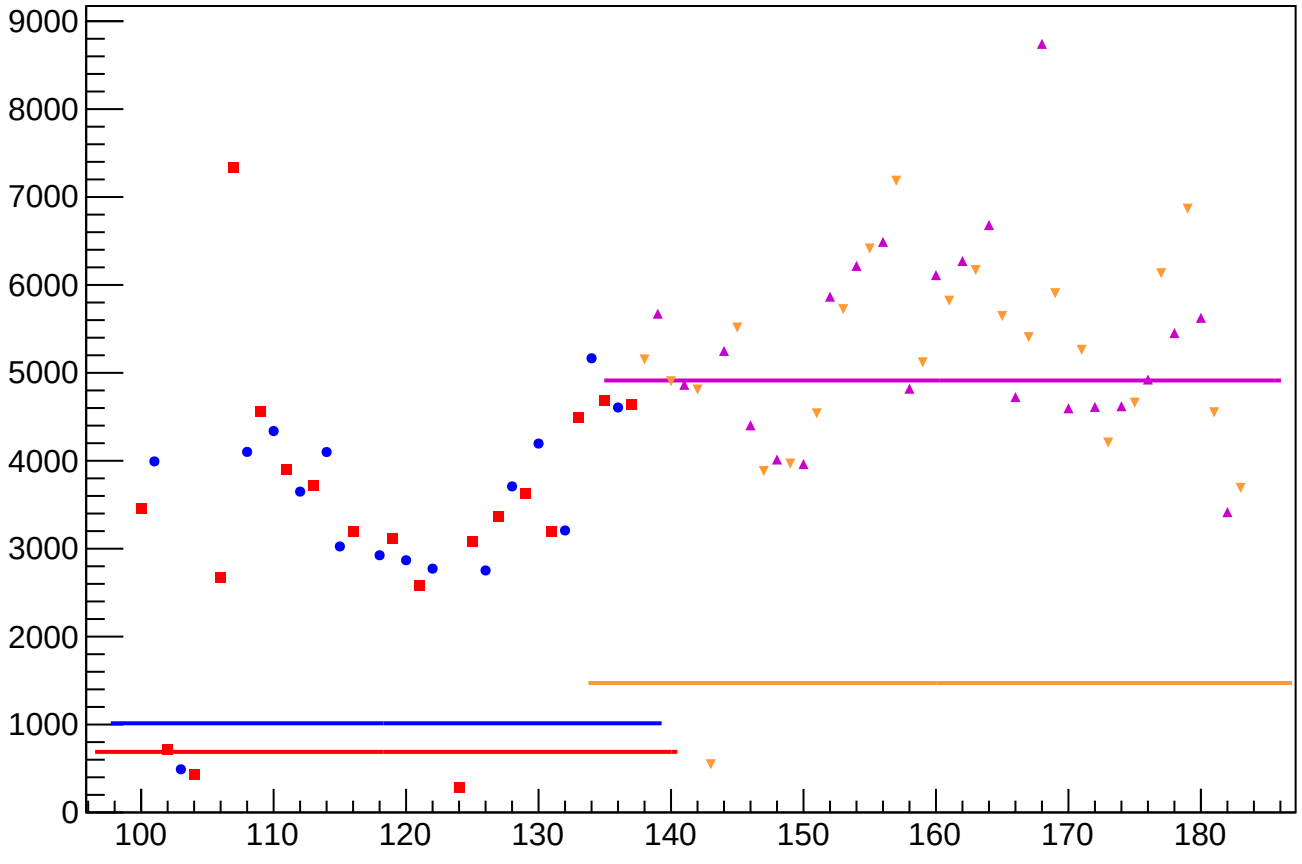
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 112.589+/-1184.133 χ^2/NDF:13.2/21

\+ sign -435.475+/-396.077 χ^2/NDF: 47.5/39

All: -458.592+/-283.066 χ^2/NDF: 78.2/80

\- sign -482.725+/-404.692 χ^2/NDF: 30.7/40



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1472.186+/-0.384 χ^2/NDF:23037190.5/23

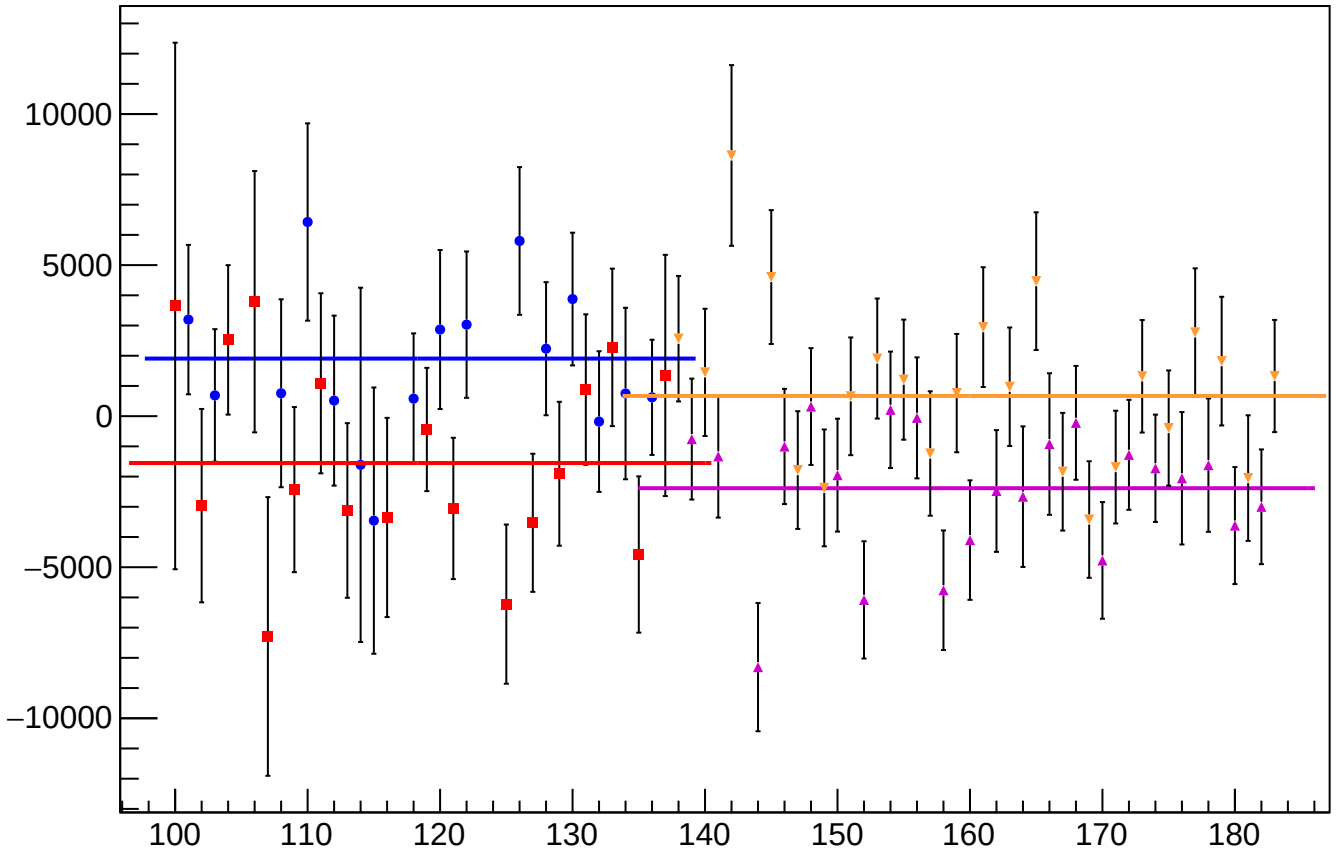
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4913.336+/-0.837 χ^2/NDF:1389325.5/21

+ sign 1258.084+/-0.280 χ^2/NDF: 31926188.2/39

All: 1221.084+/-0.200 χ^2/NDF: 64741370.5/8

- sign 1182.457+/-0.286 χ^2/NDF: 32779508.8/40



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 669.399+/-421.694 χ^2/NDF:32.0/22

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

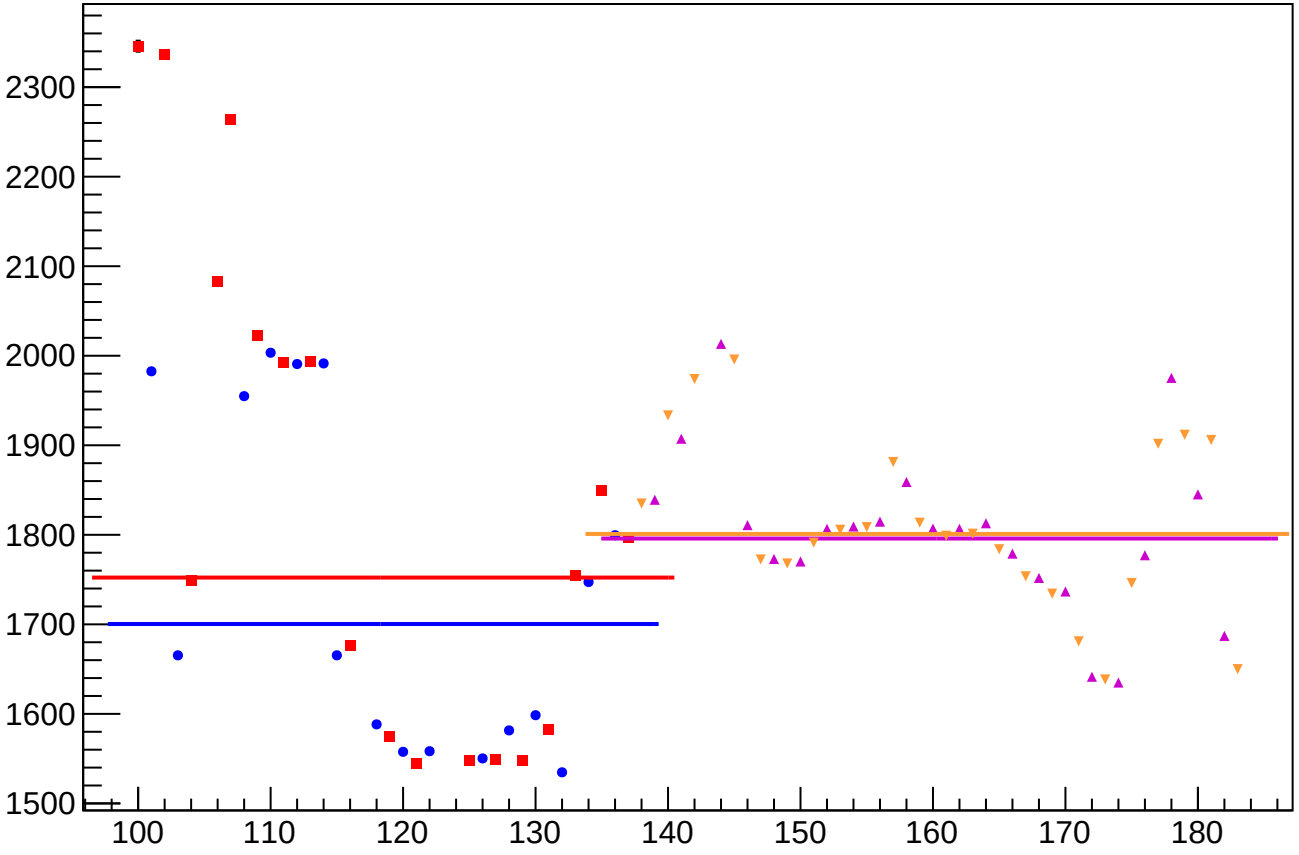
Left In: -2384.962+/-423.390 χ^2/NDF:26.1/21

+ sign 1046.730+/-351.530 χ^2/NDF: 44.9/38

All: -525.294+/-250.319 χ^2/NDF: 130.1/78

- sign -2142.370+/-356.532 χ^2/NDF: 44.7/39

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1800.963+/-0.298 χ^2/NDF:91904.6/22

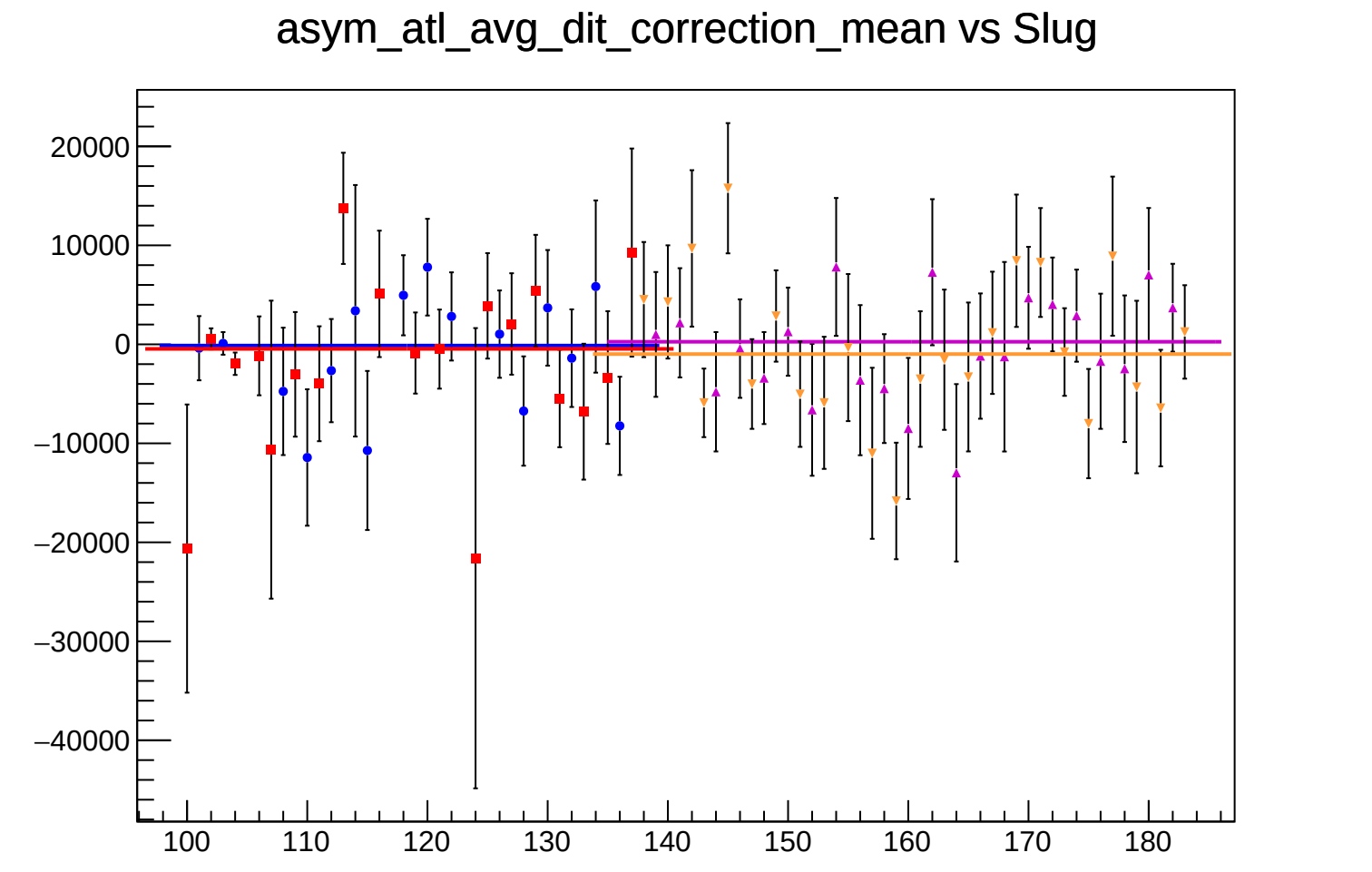
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1795.830+/-0.299 χ^2/NDF:86438.2/21

+ sign 1770.270+/-0.249 χ^2/NDF: 262054.0/38

All: 1776.603+/-0.177 χ^2/NDF: 603948.1/78

- sign 1783.109+/-0.252 χ^2/NDF: 340578.1/39



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -983.891+/-1175.876 χ^2/NDF:31.6/23

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

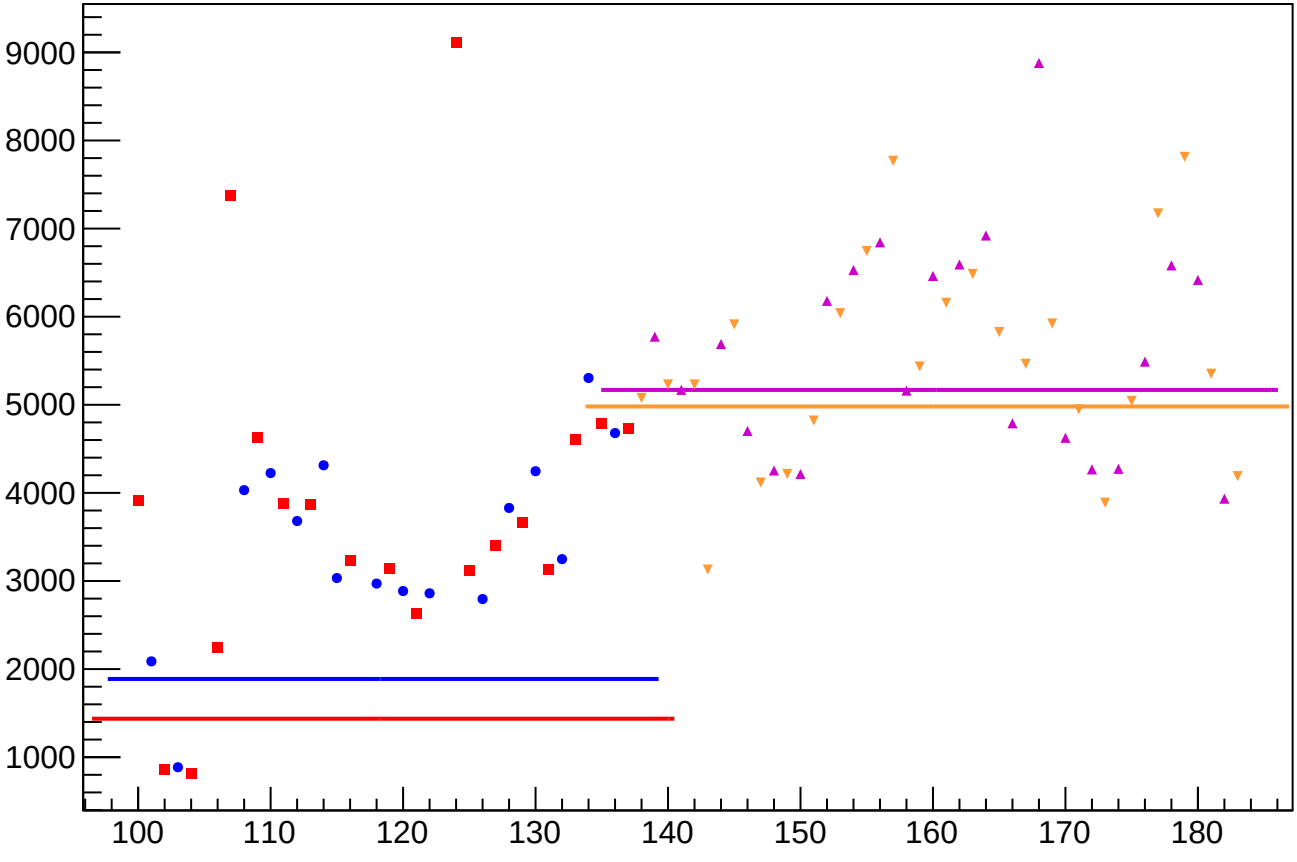
Left In: 259.682+/-1246.560 χ^2/NDF:13.0/21

+ sign -428.081+/-698.159 χ^2/NDF: 47.0/39

All: -351.045+/-453.463 χ^2/NDF: 78.8/80

- sign -294.832+/-596.387 χ^2/NDF: 31.7/40

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4980.812+/-0.831 χ^2/NDF:1903407.1/23

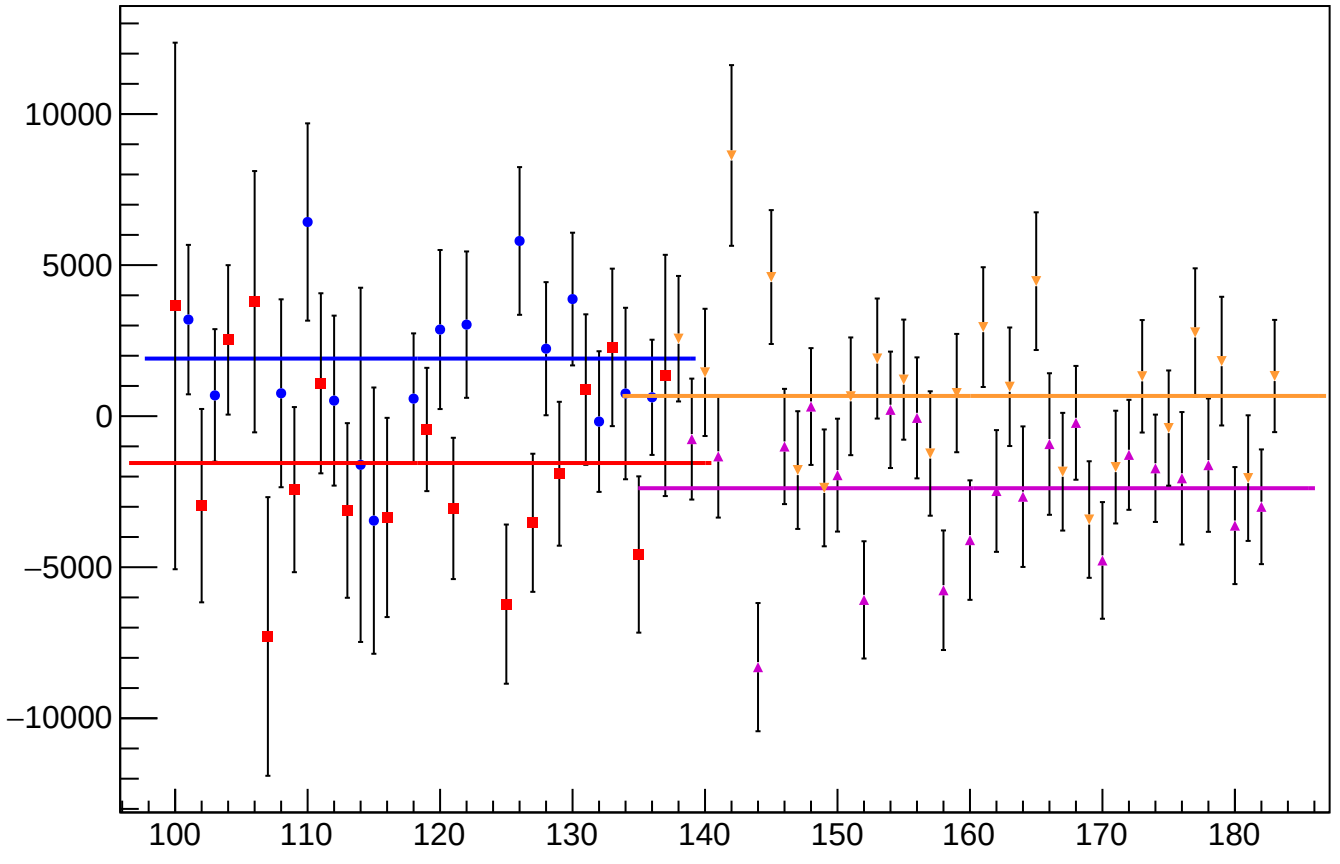
Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5168.601+/-0.881 χ^2/NDF:1434298.8/21

+ sign 2978.284+/-0.494 χ^2/NDF: 15287686.4/39

All: 2581.066+/-0.321 χ^2/NDF: 37625253.5/8

- sign 2291.214+/-0.422 χ^2/NDF: 21217741.5/40



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 669.396+/-421.694 χ^2/NDF:32.0/22

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

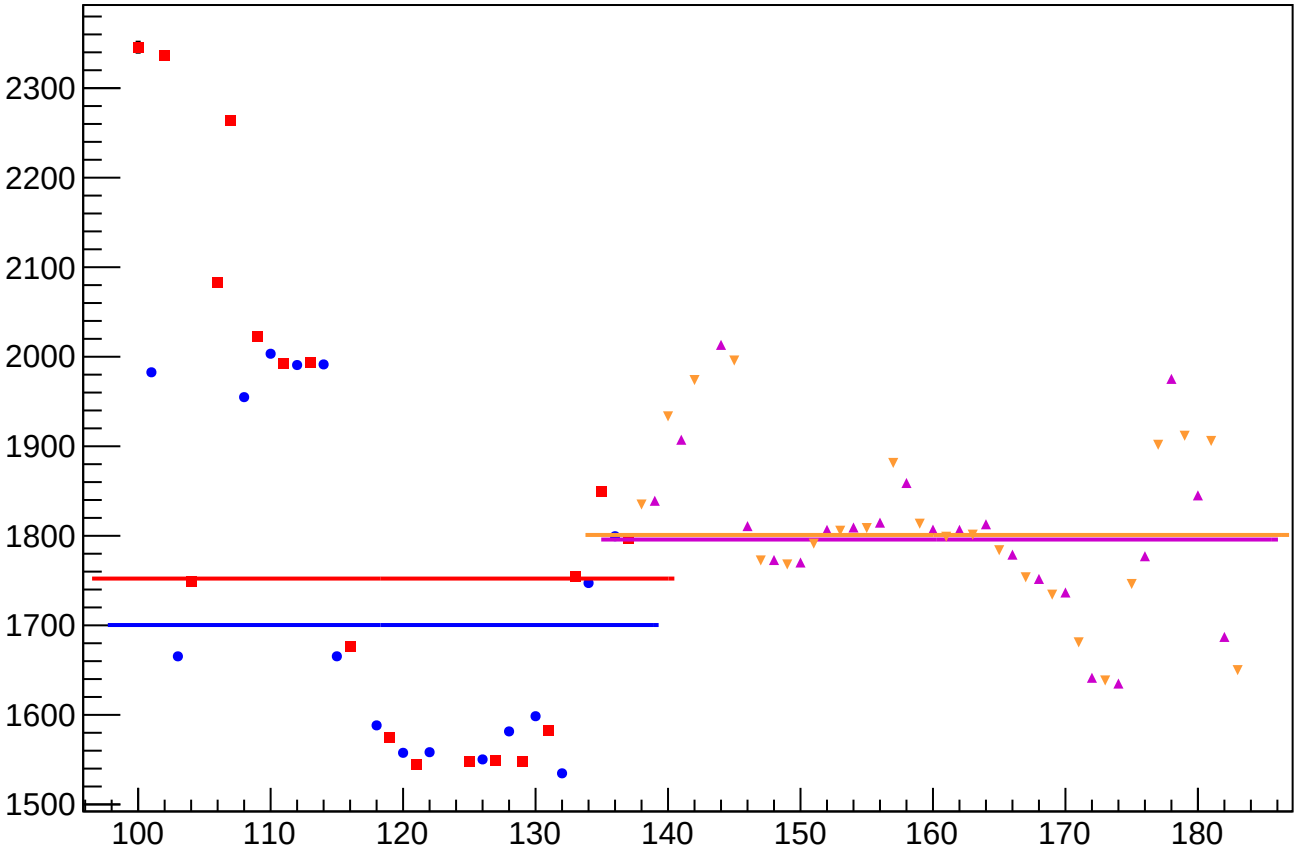
Left In: -2384.962+/-423.390 χ^2/NDF:26.1/21

+ sign 1046.727+/-351.531 χ^2/NDF: 44.9/38

All: -525.295+/-250.319 χ^2/NDF: 130.1/78

- sign -2142.369+/-356.532 χ^2/NDF: 44.7/39

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1800.965+/-0.298 χ^2/NDF:91908.2/22

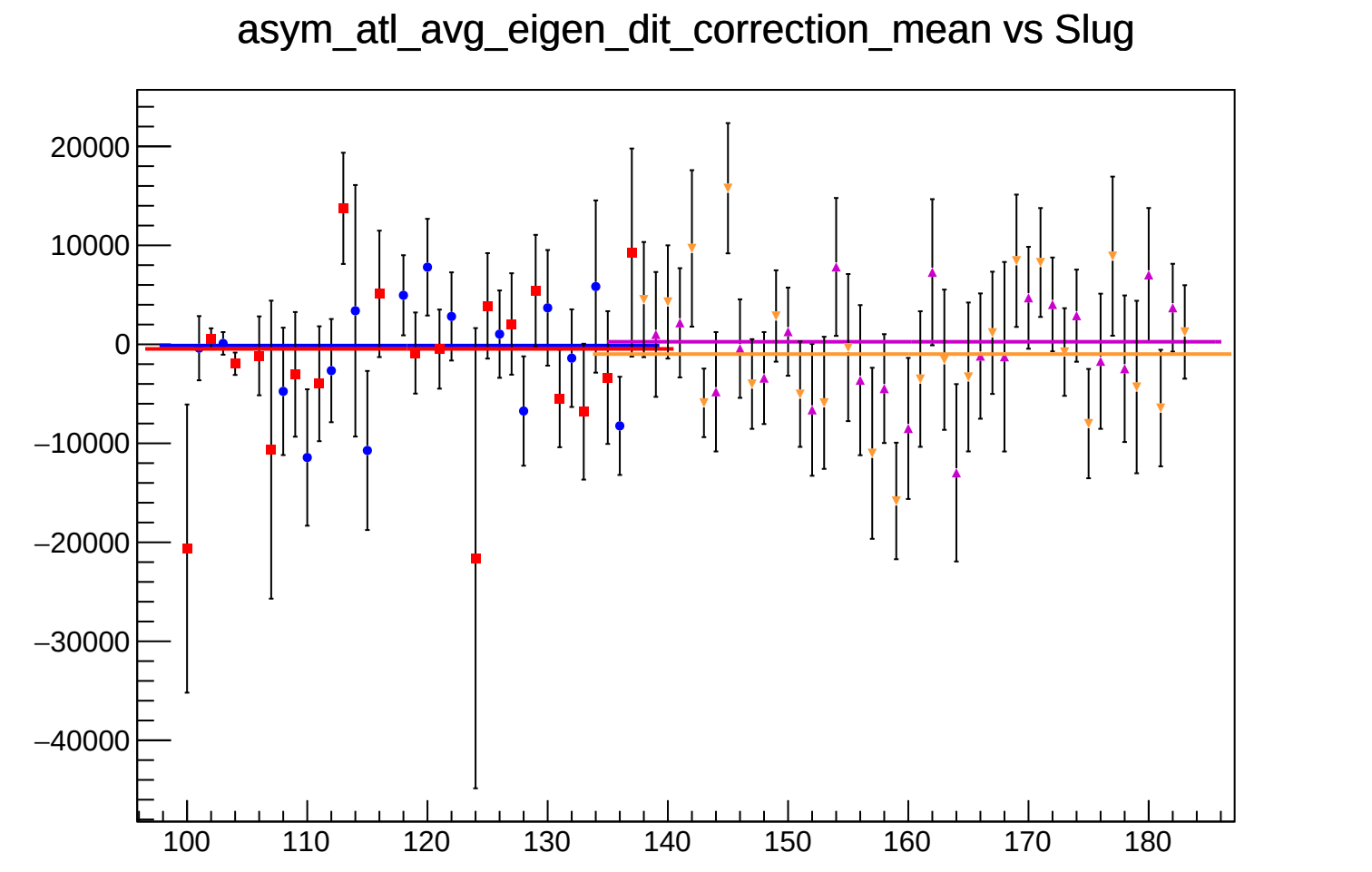
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1795.832+/-0.299 χ^2/NDF:86441.7/21

+ sign 1770.271+/-0.249 χ^2/NDF: 262058.8/38

All: 1776.604+/-0.177 χ^2/NDF: 603956.4/78

- sign 1783.110+/-0.252 χ^2/NDF: 340581.5/39



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -983.897+/-1175.877 χ^2/NDF:31.6/23

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

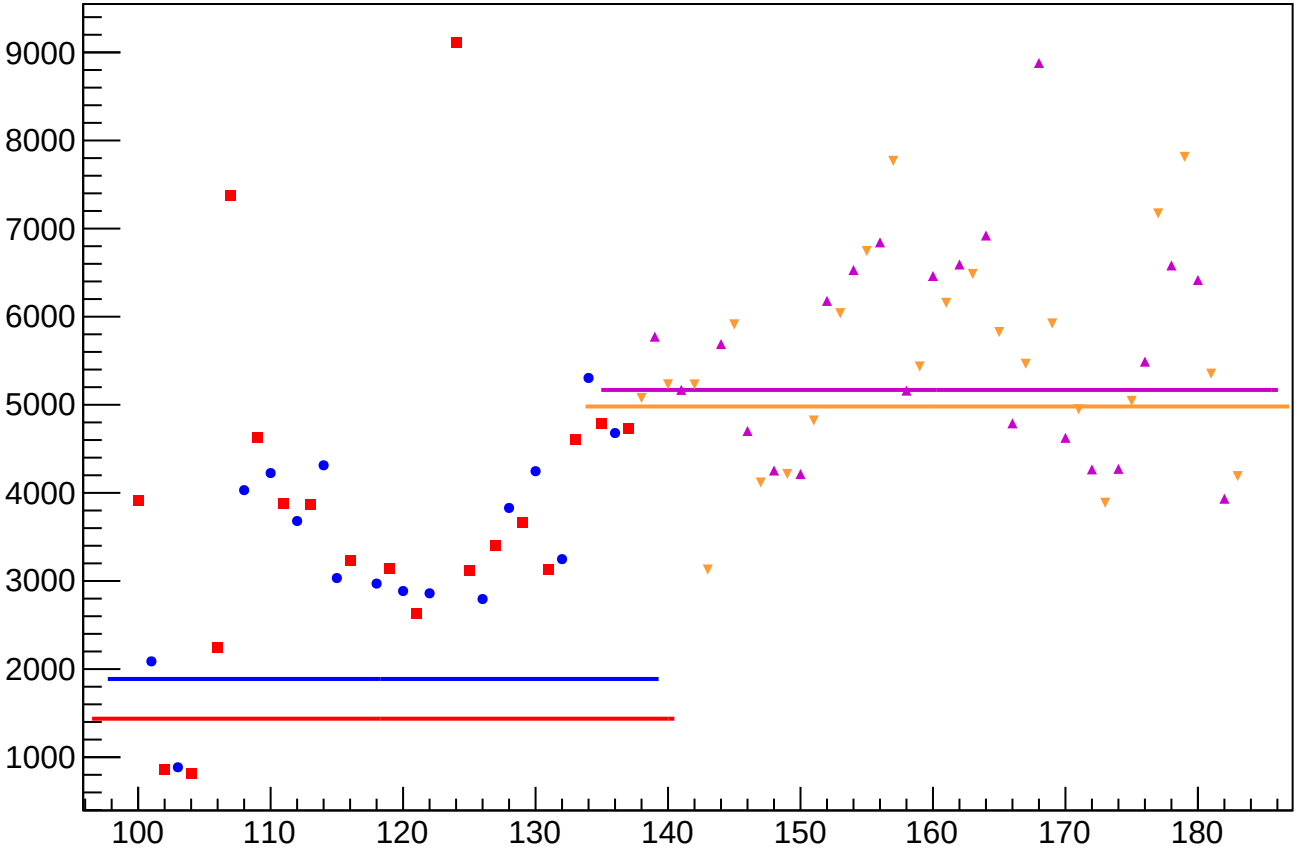
Left In: 259.683+/-1246.562 χ^2/NDF:13.0/21

+ sign -428.077+/-698.157 χ^2/NDF: 47.0/39

All: -351.044+/-453.461 χ^2/NDF: 78.8/80

- sign -294.834+/-596.383 χ^2/NDF: 31.7/40

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4980.819+/-0.831 χ^2/NDF:1903413.5/23

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

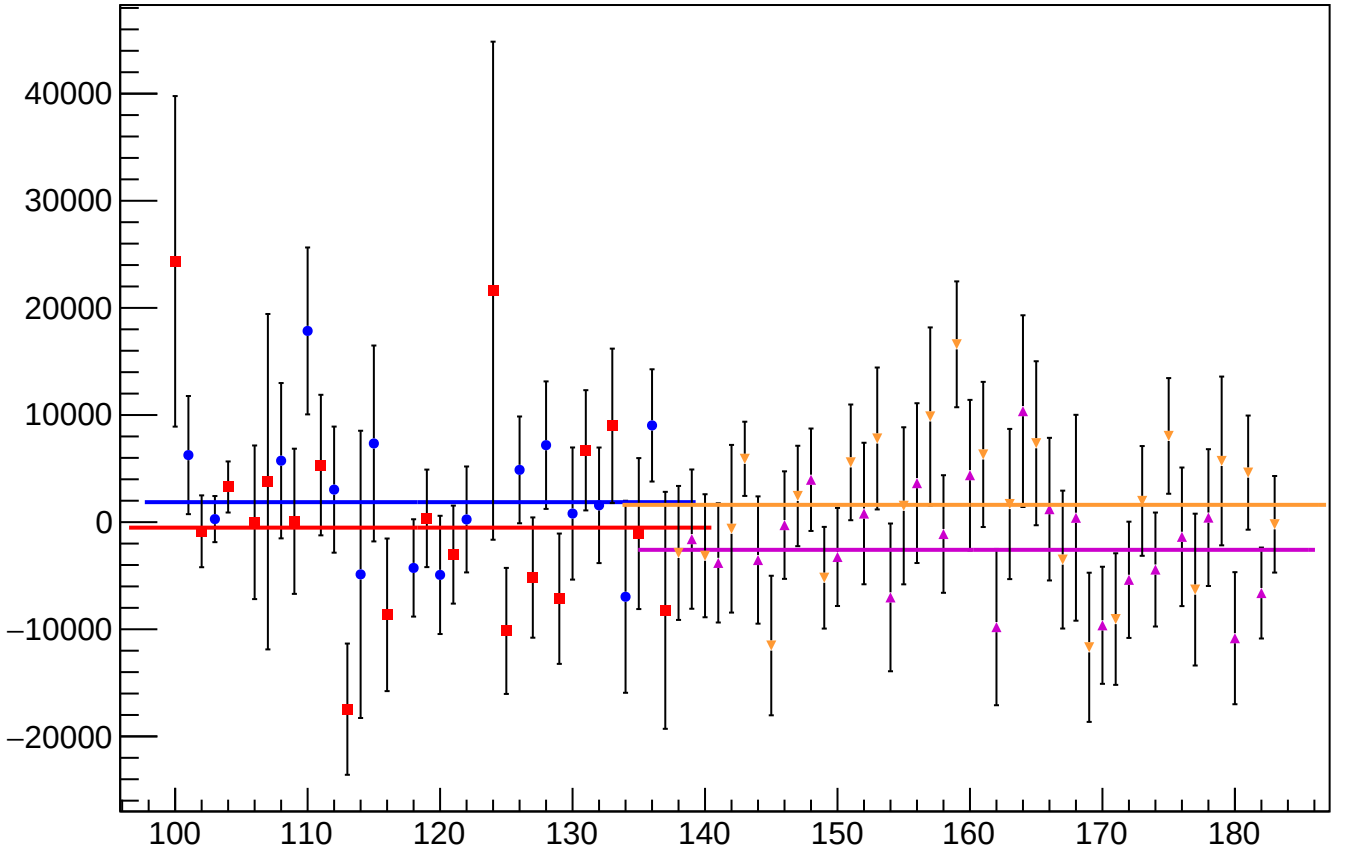
Left In: 5168.609+/-0.881 χ^2/NDF:1434301.0/21

+ sign 2978.264+/-0.494 χ^2/NDF: 15287890.5/39

All: 2581.045+/-0.321 χ^2/NDF: 37625681.7/8

- sign 2291.194+/-0.422 χ^2/NDF: 21217952.5/40

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1615.042+/-1185.526 χ^2/NDF:29.6/23

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

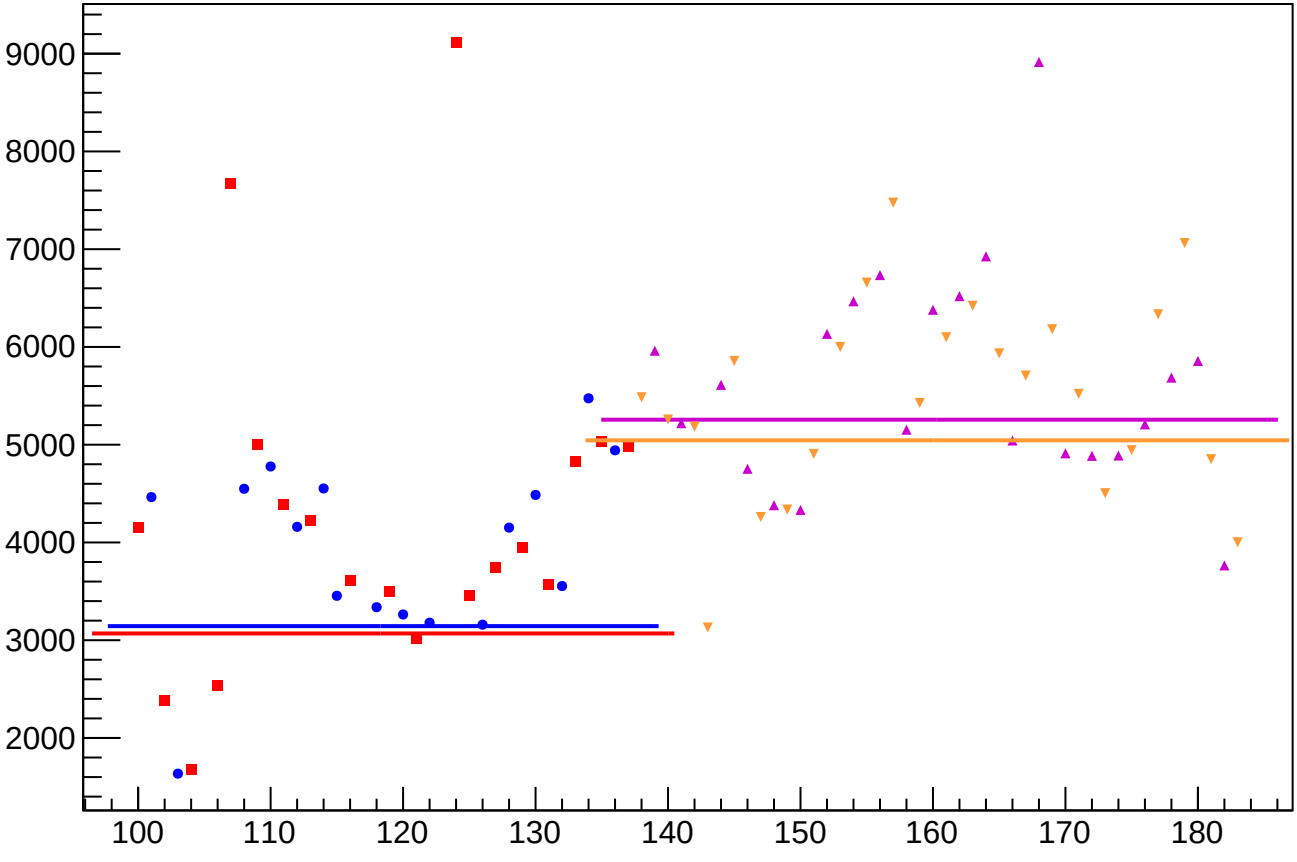
Left In: -2583.919+/-1261.430 χ^2/NDF:13.1/21

+ sign 1733.257+/-863.160 χ^2/NDF: 43.5/39

All: 141.245+/-617.869 χ^2/NDF: 89.6/80

- sign -1531.742+/-884.840 χ^2/NDF: 39.2/40

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5044.576+/-0.838 χ^2/NDF:1644665.5/23

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

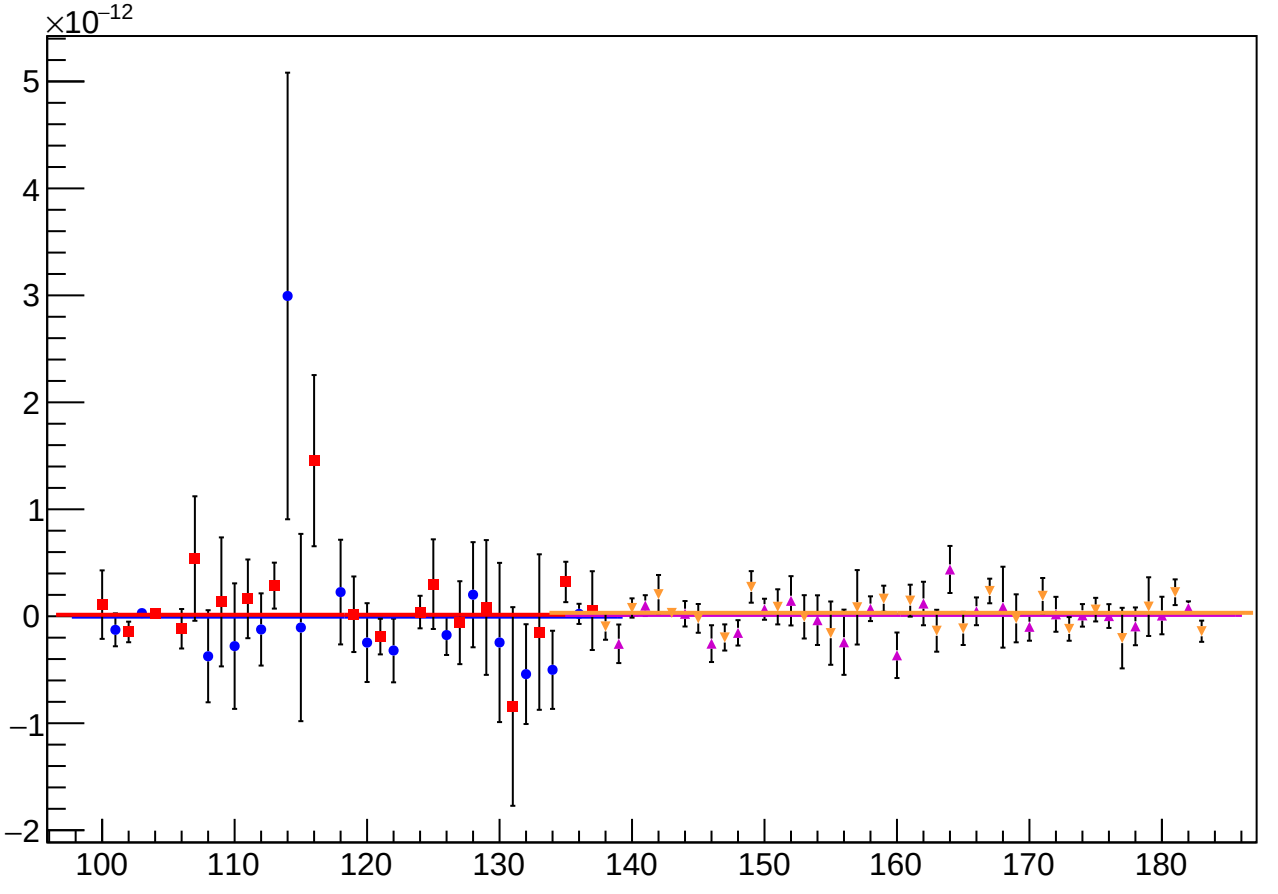
Left In: 5255.728+/-0.892 χ^2/NDF:1150155.1/21

+ sign 4151.564+/-0.610 χ^2/NDF: 5942815.4/39

All: 4139.909+/-0.435 χ^2/NDF: 12075197.4/8

- sign 4127.856+/-0.621 χ^2/NDF: 6131640.2/40

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/23

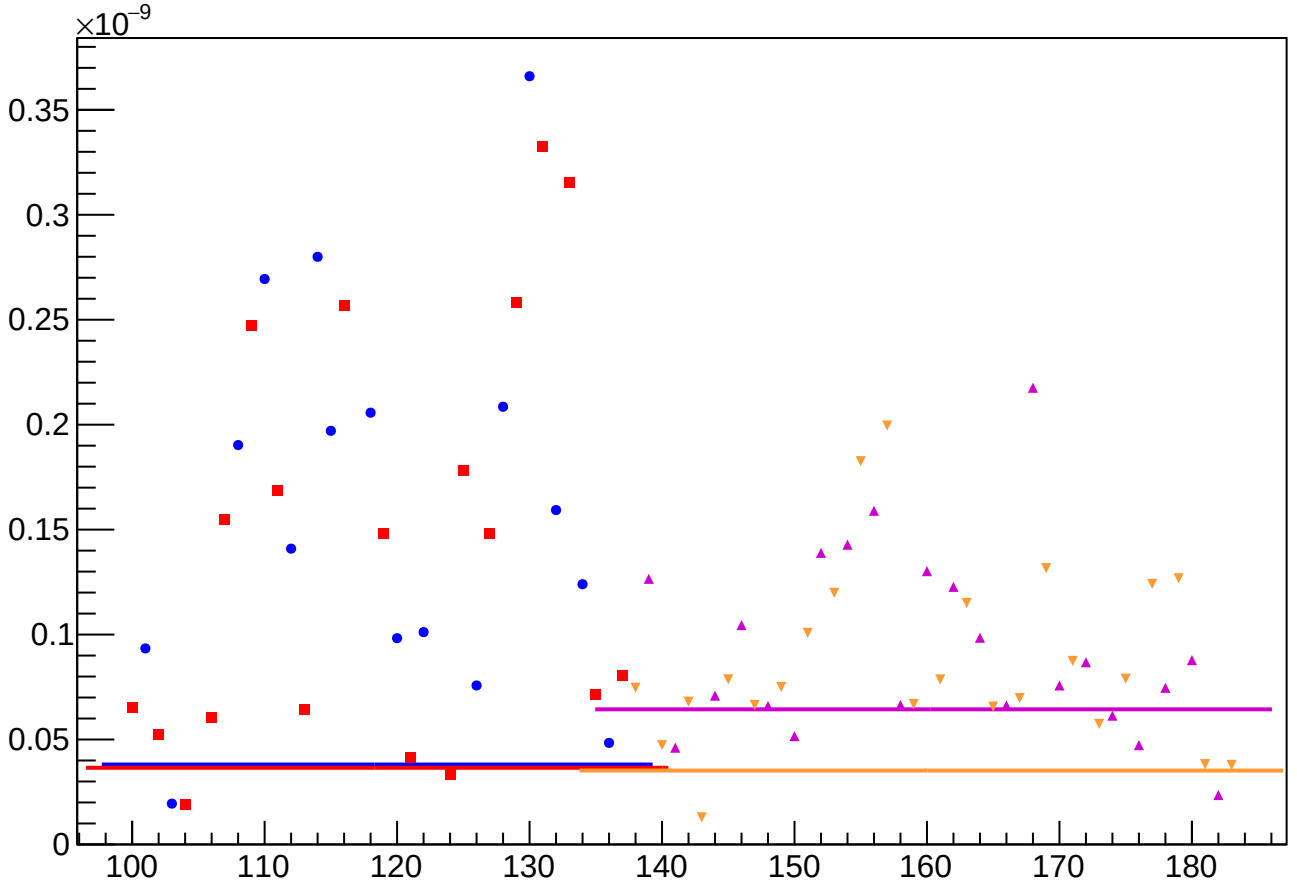
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 36.4/39

All: 0.000+/-0.000 χ^2/NDF: 70.0/80

- sign 0.000+/-0.000 χ^2/NDF: 33.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6502971.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

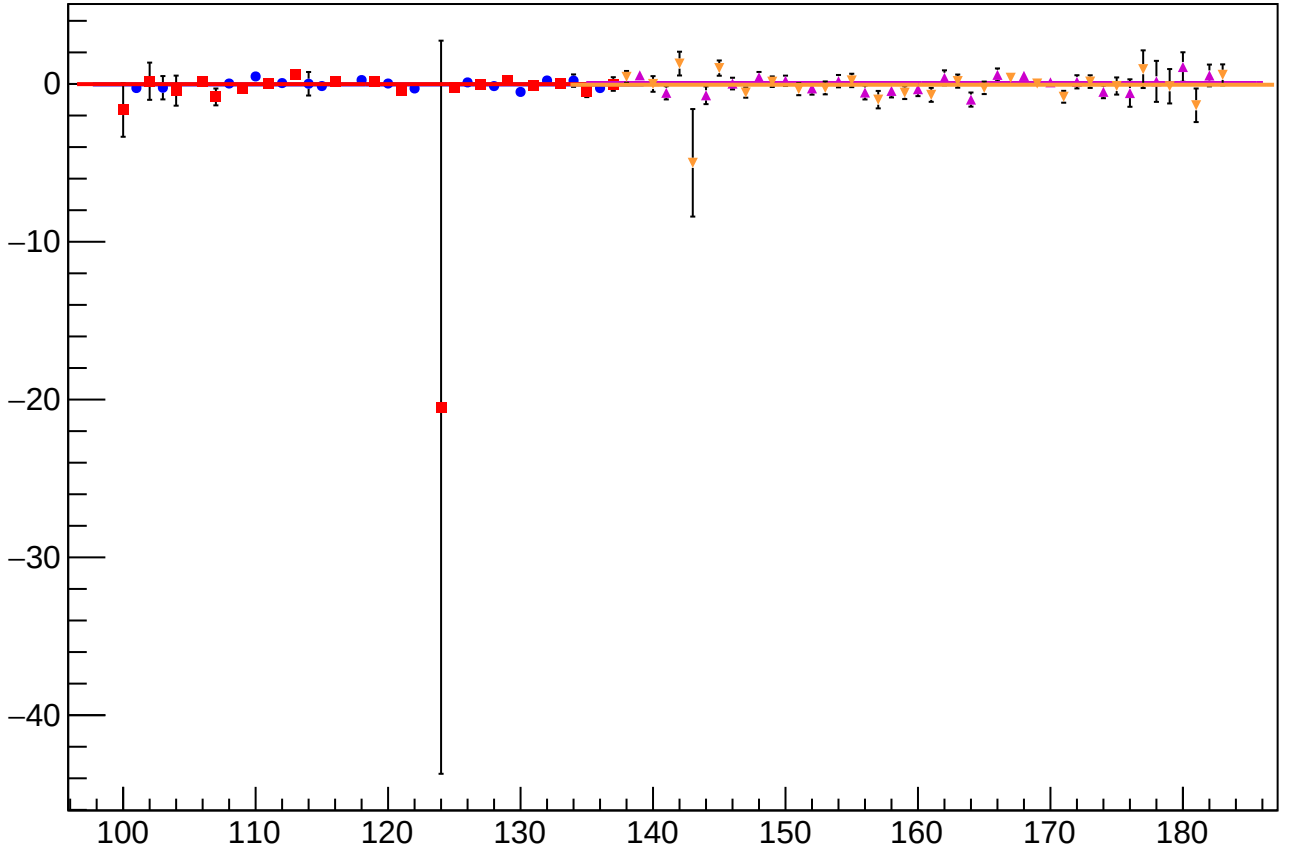
Left In: 0.000+/-0.000 χ^2/NDF:2809333.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 9402478.0/39

All: 0.000+/-0.000 χ^2/NDF: 16498379.0/80

- sign 0.000+/-0.000 χ^2/NDF: 6328337.8/40

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.050+/-0.085 χ^2/NDF:32.6/23

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

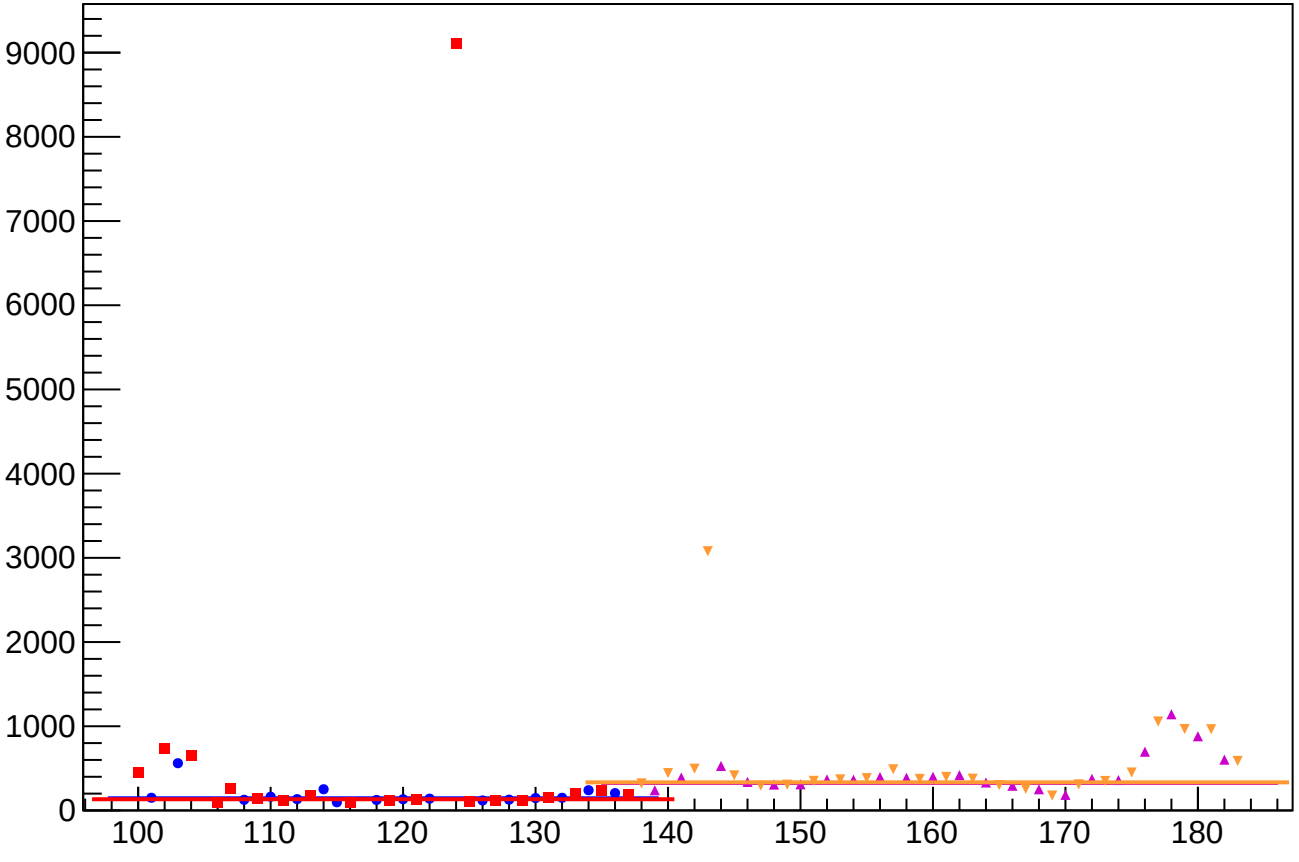
Left In: 0.061+/-0.083 χ^2/NDF:28.0/21

+ sign -0.035+/-0.048 χ^2/NDF: 49.9/39

All: -0.011+/-0.033 χ^2/NDF: 100.7/80

- sign 0.012+/-0.047 χ^2/NDF: 50.3/40

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 333.851+/-0.060 χ^2/NDF:5774420.4/23

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

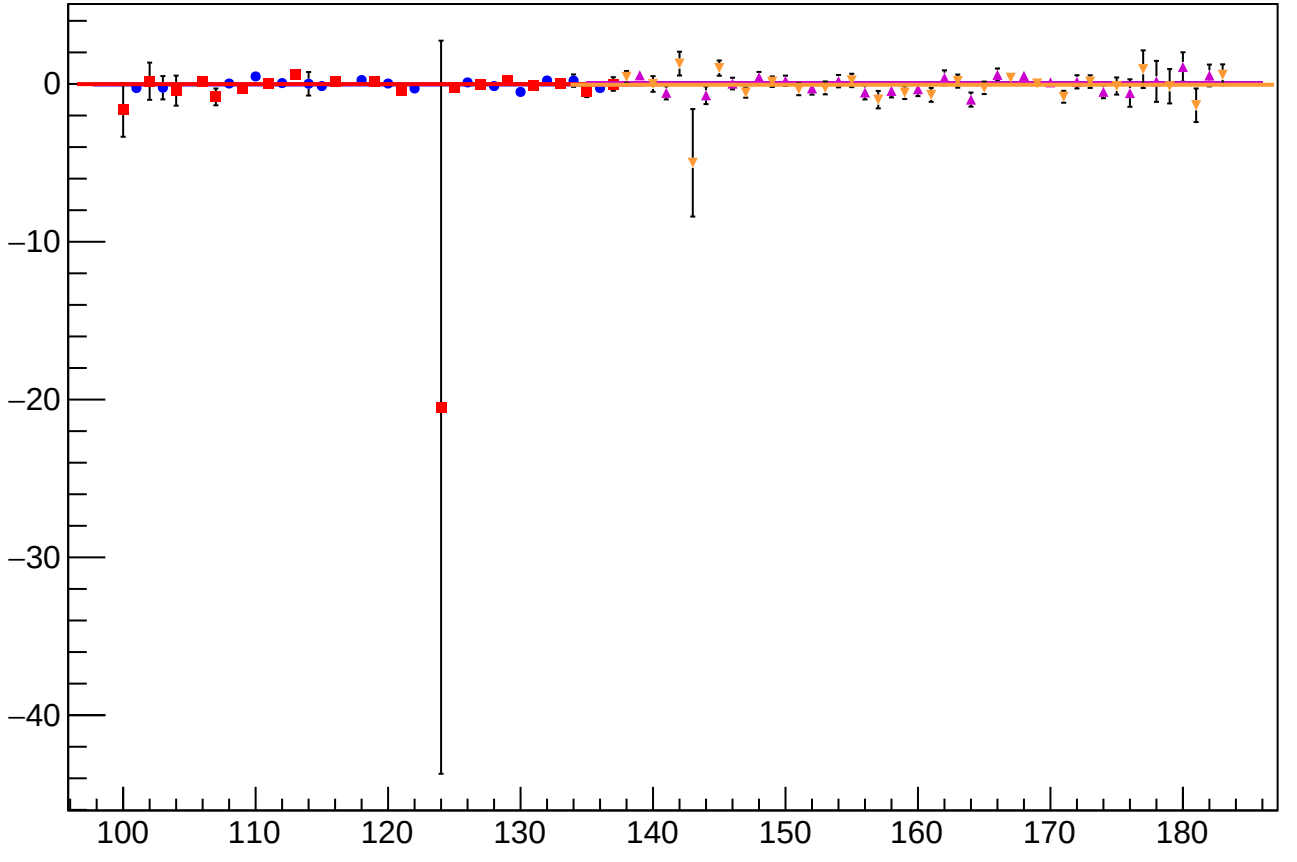
Left In: 326.213+/-0.059 χ^2/NDF:4090774.6/21

+ sign 204.390+/-0.034 χ^2/NDF: 13716872.1/39

All: 199.219+/-0.024 χ^2/NDF: 27448102.8/80

- sign 194.275+/-0.033 χ^2/NDF: 13685427.1/40

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.050+/-0.085 χ^2/NDF:32.6/23

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

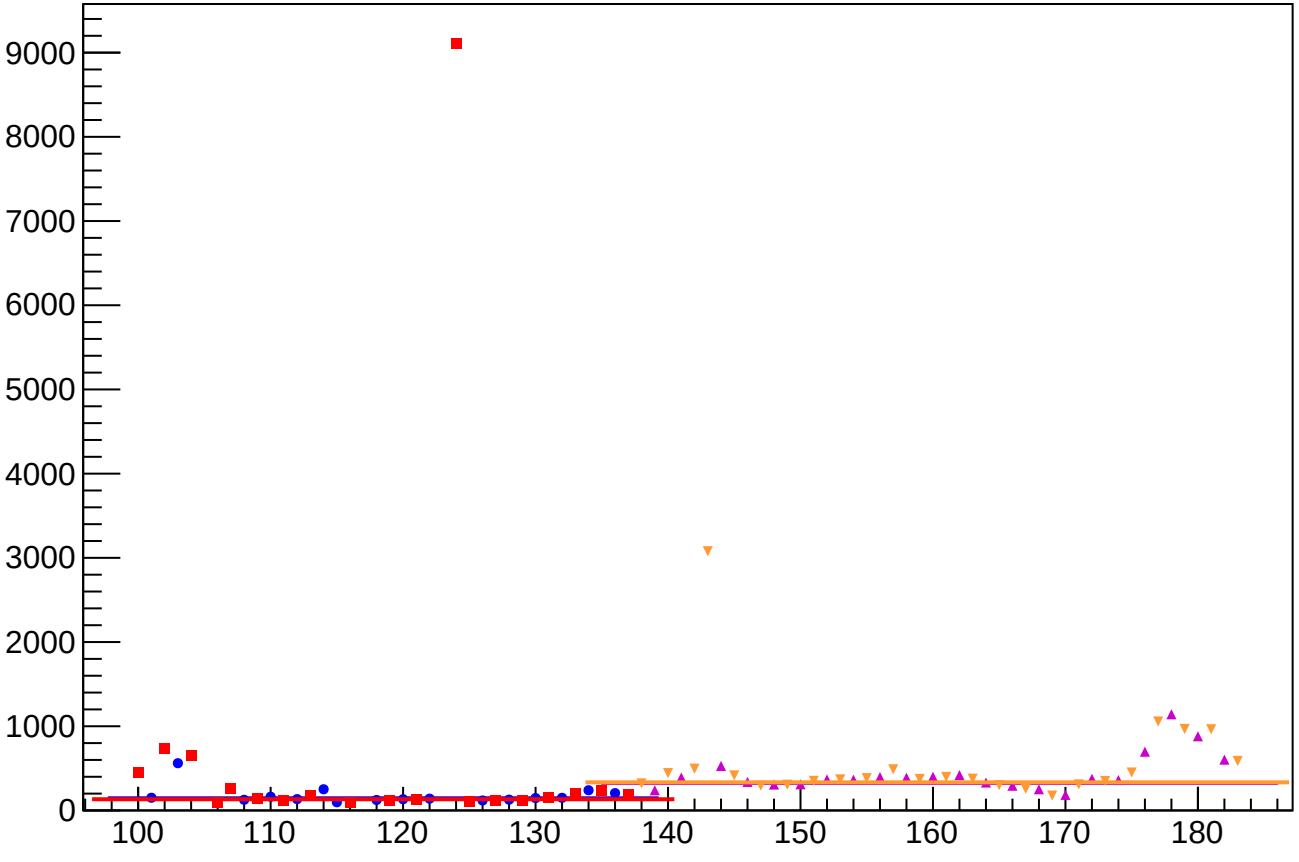
Left In: 0.061+/-0.083 χ^2/NDF:28.0/21

+ sign -0.035+/-0.048 χ^2/NDF: 49.9/39

All: -0.011+/-0.033 χ^2/NDF: 100.7/80

- sign 0.012+/-0.047 χ^2/NDF: 50.3/40

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 333.851+/-0.060 χ^2/NDF:5774420.4/23

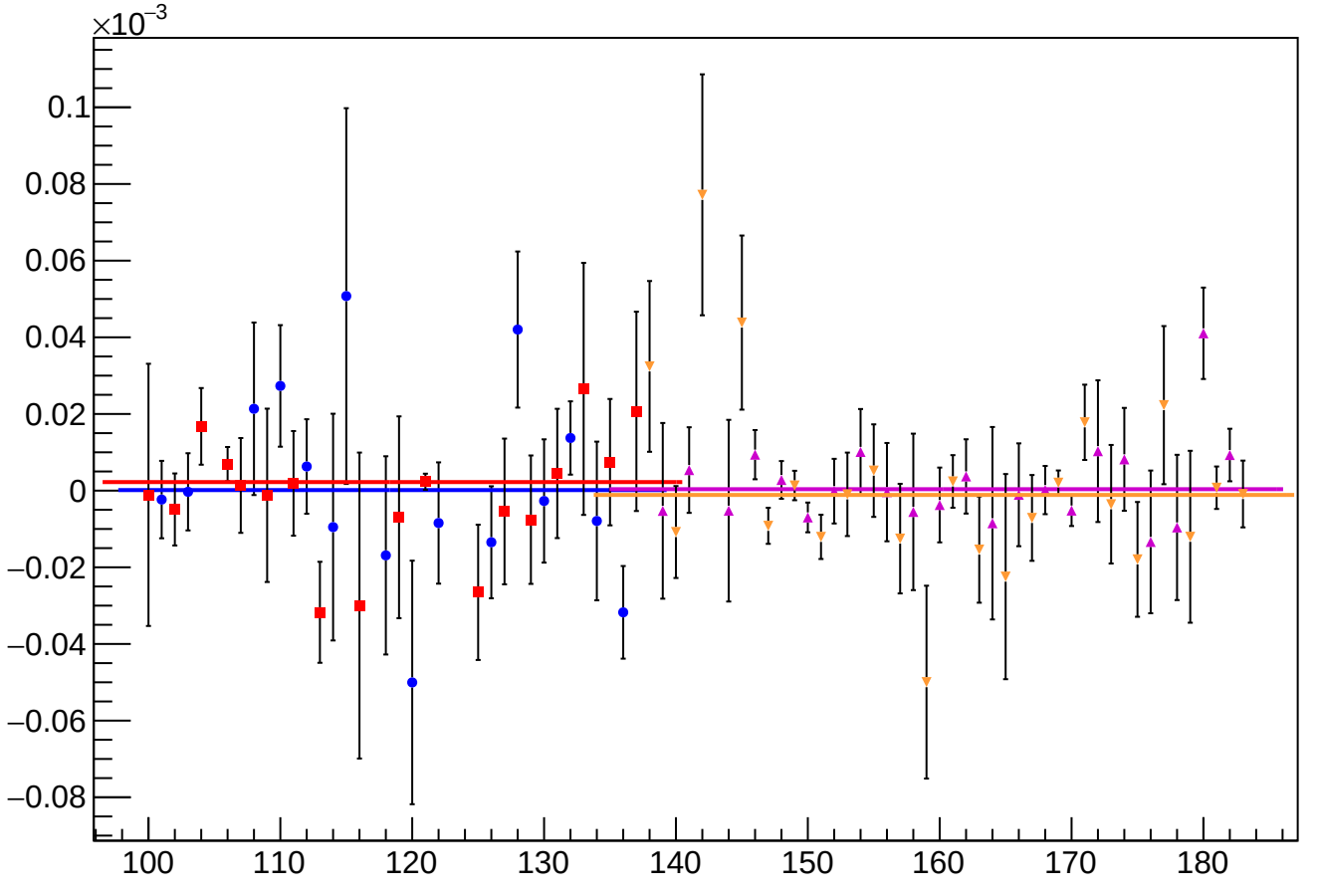
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 326.213+/-0.059 χ^2/NDF:4090774.6/21

+ sign 204.390+/-0.034 χ^2/NDF: 13716872.1/39

All: 199.219+/-0.024 χ^2/NDF: 27448102.8/80

- sign 194.275+/-0.033 χ^2/NDF: 13685427.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

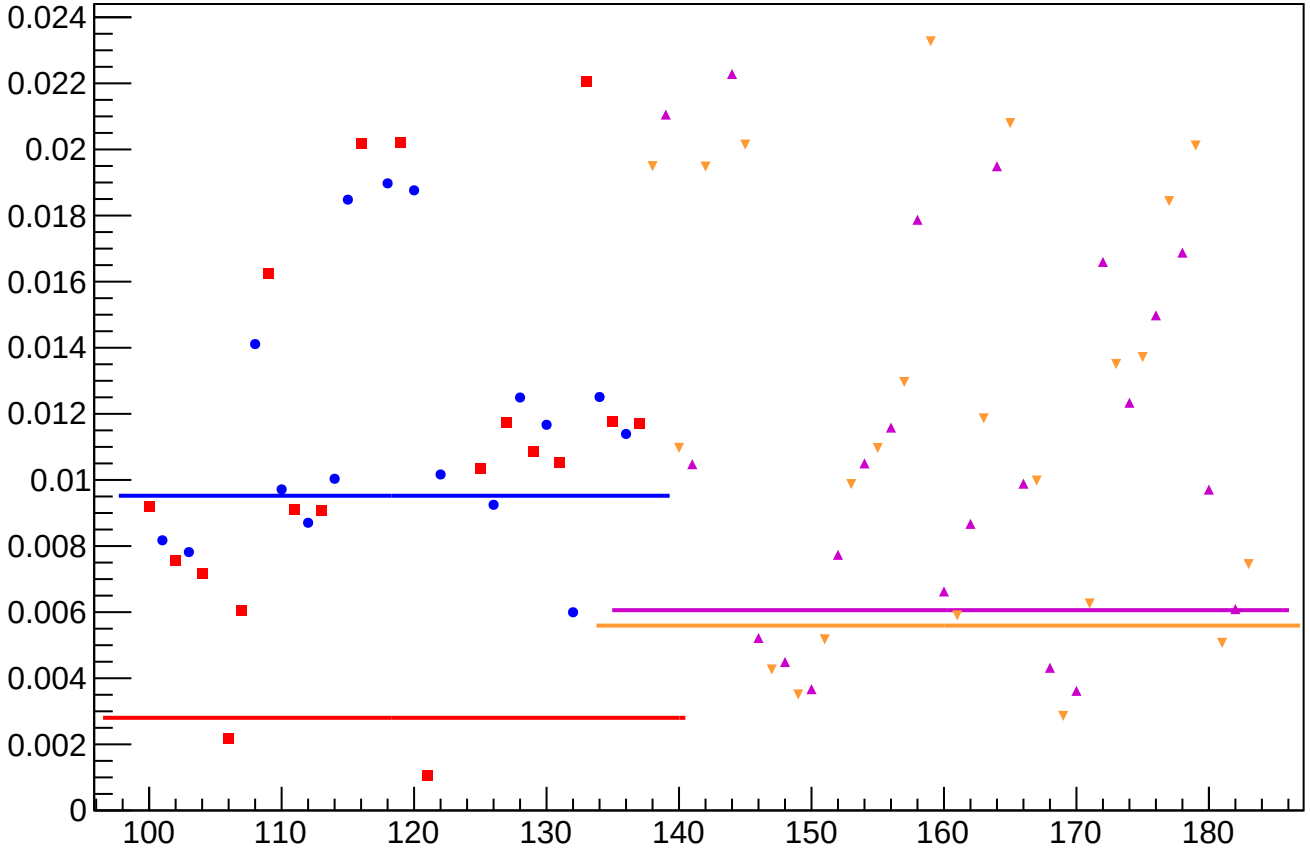
Left In: 0.000+/-0.000 χ^2/NDF:24.1/21

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/38

All: 0.000+/-0.000 χ^2/NDF: 99.1/78

- sign 0.000+/-0.000 χ^2/NDF: 40.3/39

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:11057326.5/22

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

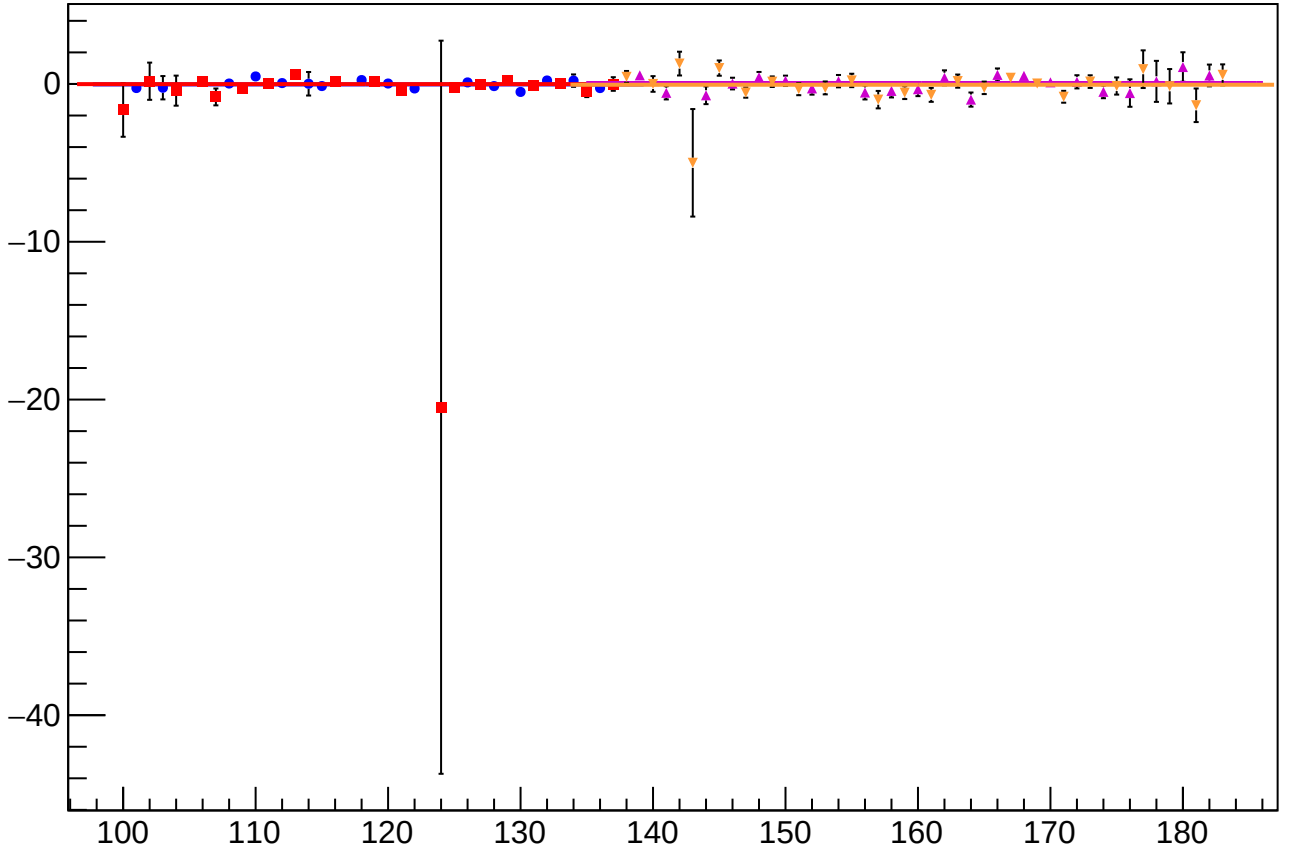
Left In: 0.006+/-0.000 χ^2/NDF:8697868.6/21

+ sign 0.006+/-0.000 χ^2/NDF: 14044506.8/38

All: 0.005+/-0.000 χ^2/NDF: 36606887.9/78

- sign 0.004+/-0.000 χ^2/NDF: 20819132.3/39

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.050+/-0.085 χ^2/NDF:32.6/23

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

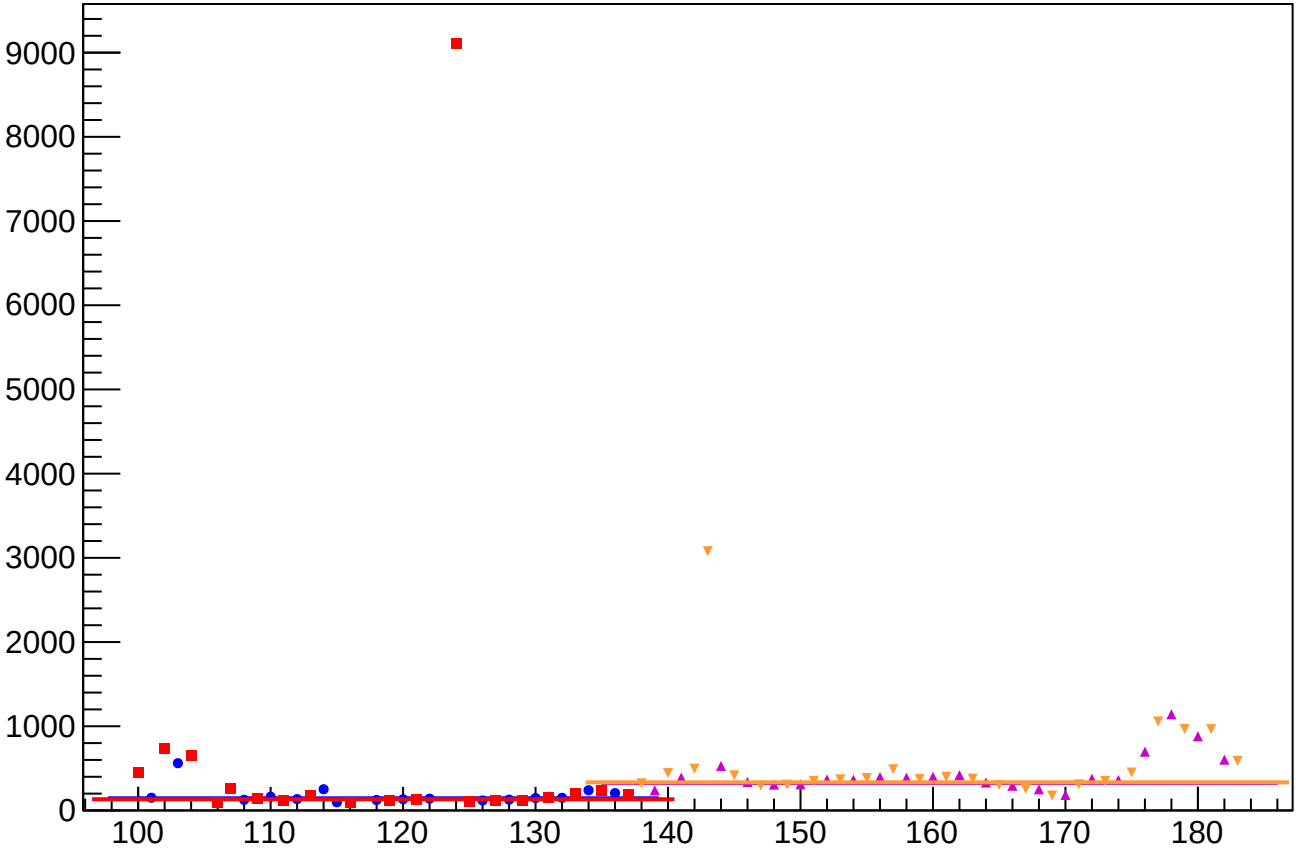
Left In: 0.061+/-0.083 χ^2/NDF:28.0/21

+ sign -0.035+/-0.048 χ^2/NDF: 49.9/39

All: -0.011+/-0.033 χ^2/NDF: 100.7/80

- sign 0.012+/-0.047 χ^2/NDF: 50.3/40

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 333.853+/-0.060 χ^2/NDF:5774485.6/23

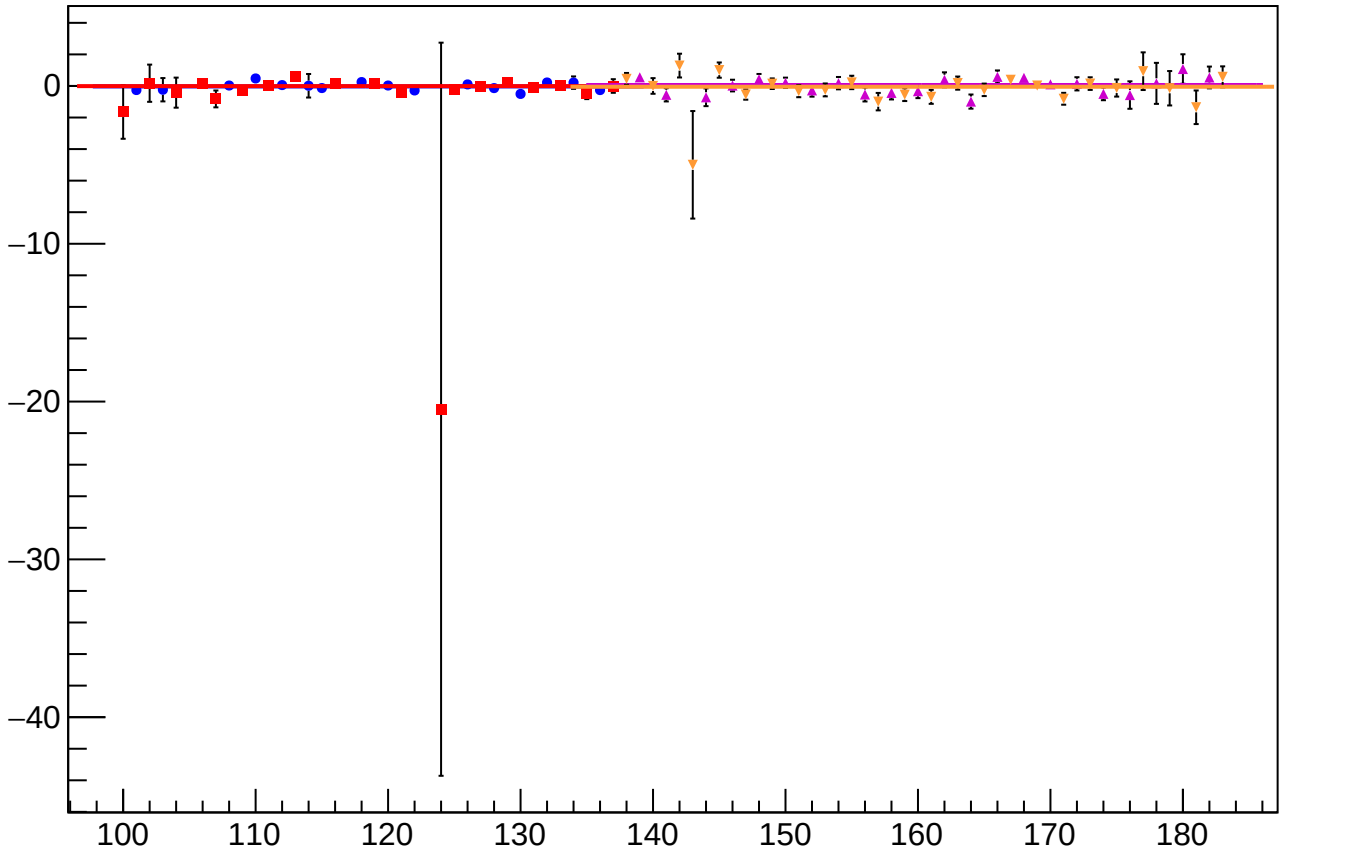
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 326.216+/-0.059 χ^2/NDF:4090778.7/21

+ sign 204.388+/-0.034 χ^2/NDF: 13717189.1/39

All: 199.218+/-0.024 χ^2/NDF: 27448581.8/80

- sign 194.274+/-0.033 χ^2/NDF: 13685596.3/40



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.050+/-0.085 χ^2/NDF:32.6/23

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

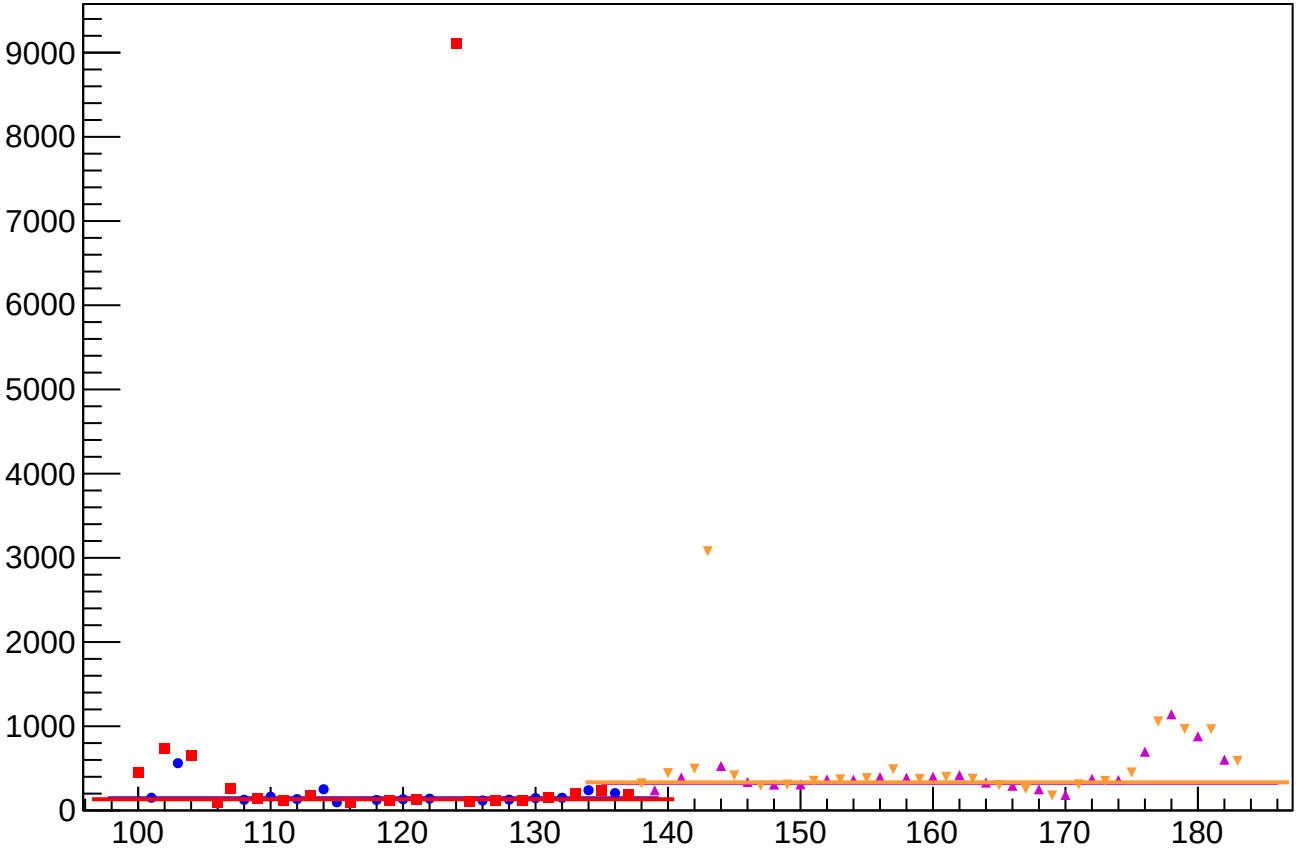
Left In: 0.061+/-0.083 χ^2/NDF:28.0/21

+ sign -0.035+/-0.048 χ^2/NDF: 49.9/39

All: -0.011+/-0.033 χ^2/NDF: 100.7/80

- sign 0.012+/-0.047 χ^2/NDF: 50.3/40

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 333.853+/-0.060 χ^2/NDF:5774485.6/23

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

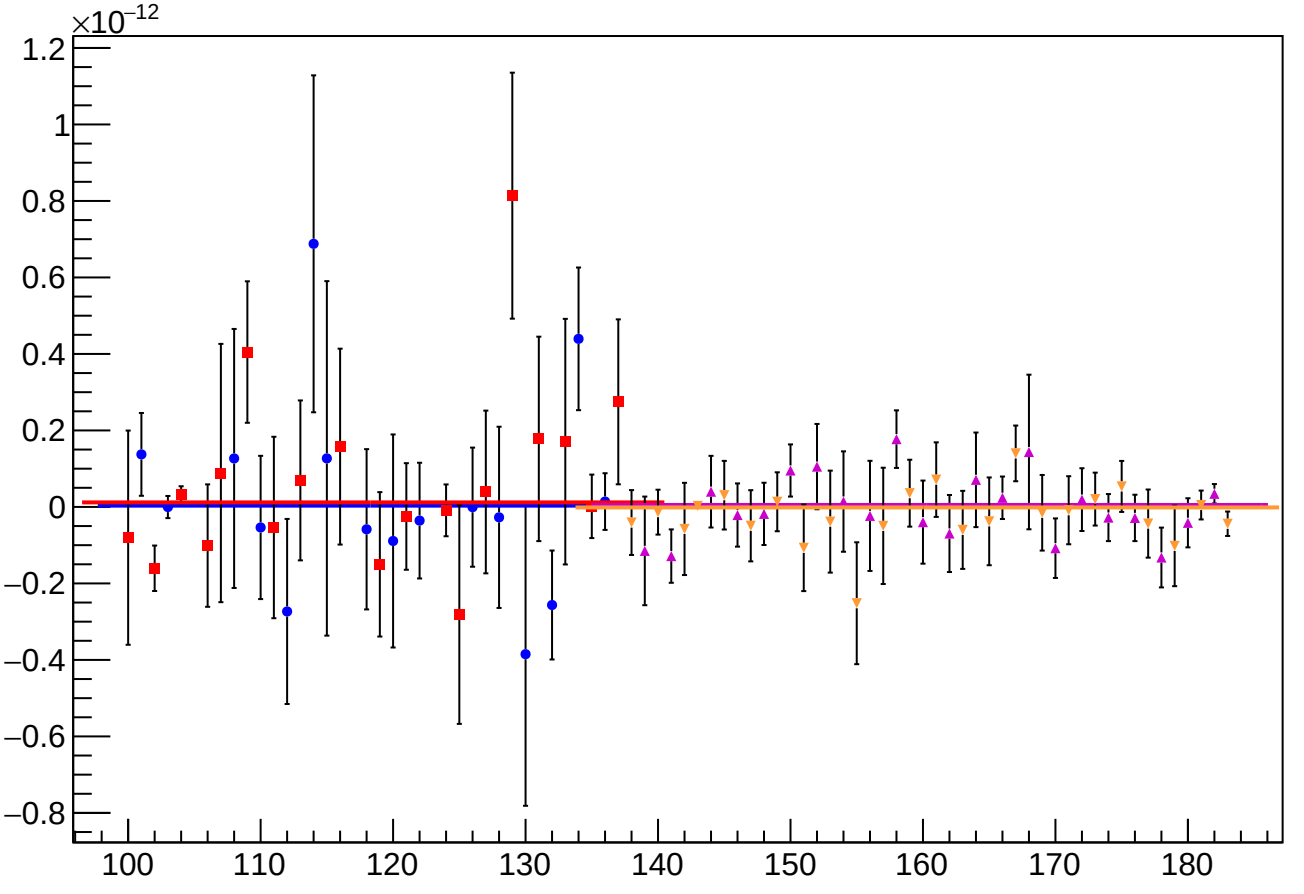
Left In: 326.216+/-0.059 χ^2/NDF:4090778.7/21

+ sign 204.388+/-0.034 χ^2/NDF: 13717189.1/39

All: 199.218+/-0.024 χ^2/NDF: 27448581.8/80

- sign 194.274+/-0.033 χ^2/NDF: 13685596.3/40

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

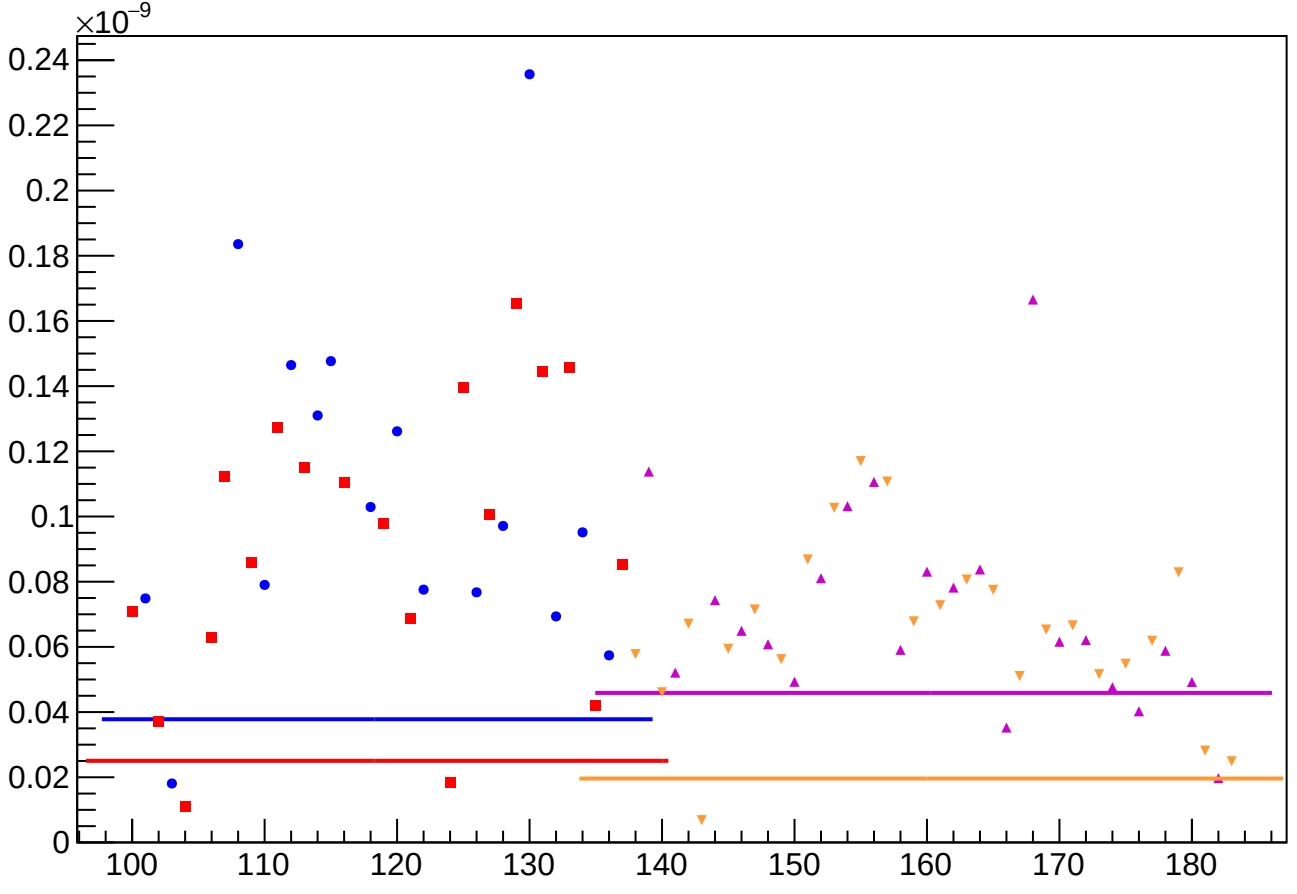
Left In: 0.000+/-0.000 χ^2/NDF:21.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/39

All: 0.000+/-0.000 χ^2/NDF: 76.3/80

- sign 0.000+/-0.000 χ^2/NDF: 47.0/40

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14874665.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

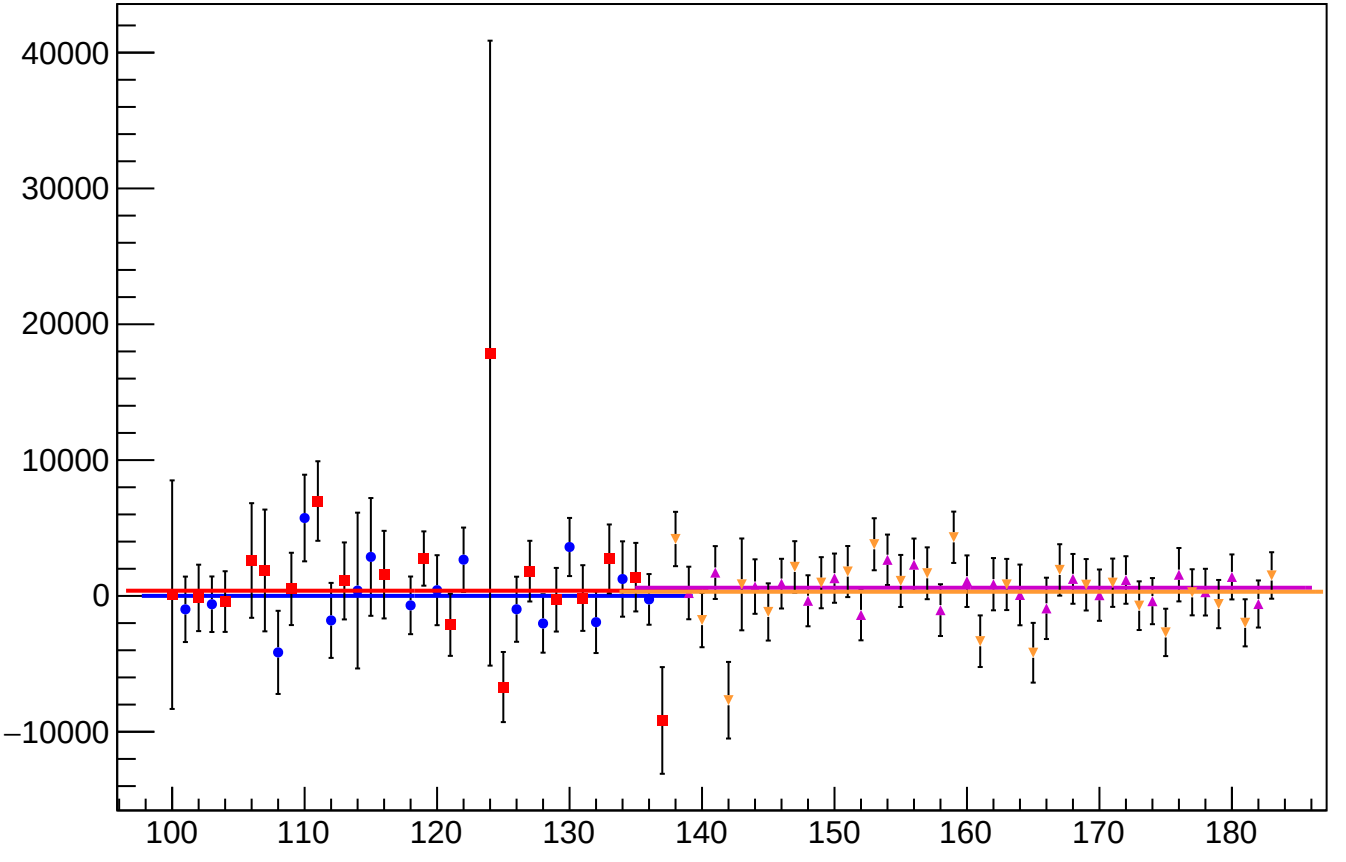
Left In: 0.000+/-0.000 χ^2/NDF:5654103.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 19847883.4/39

All: 0.000+/-0.000 χ^2/NDF: 34465782.4/80

- sign 0.000+/-0.000 χ^2/NDF: 11908786.9/40

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 307.977+/-392.184 χ^2/NDF:38.2/23

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

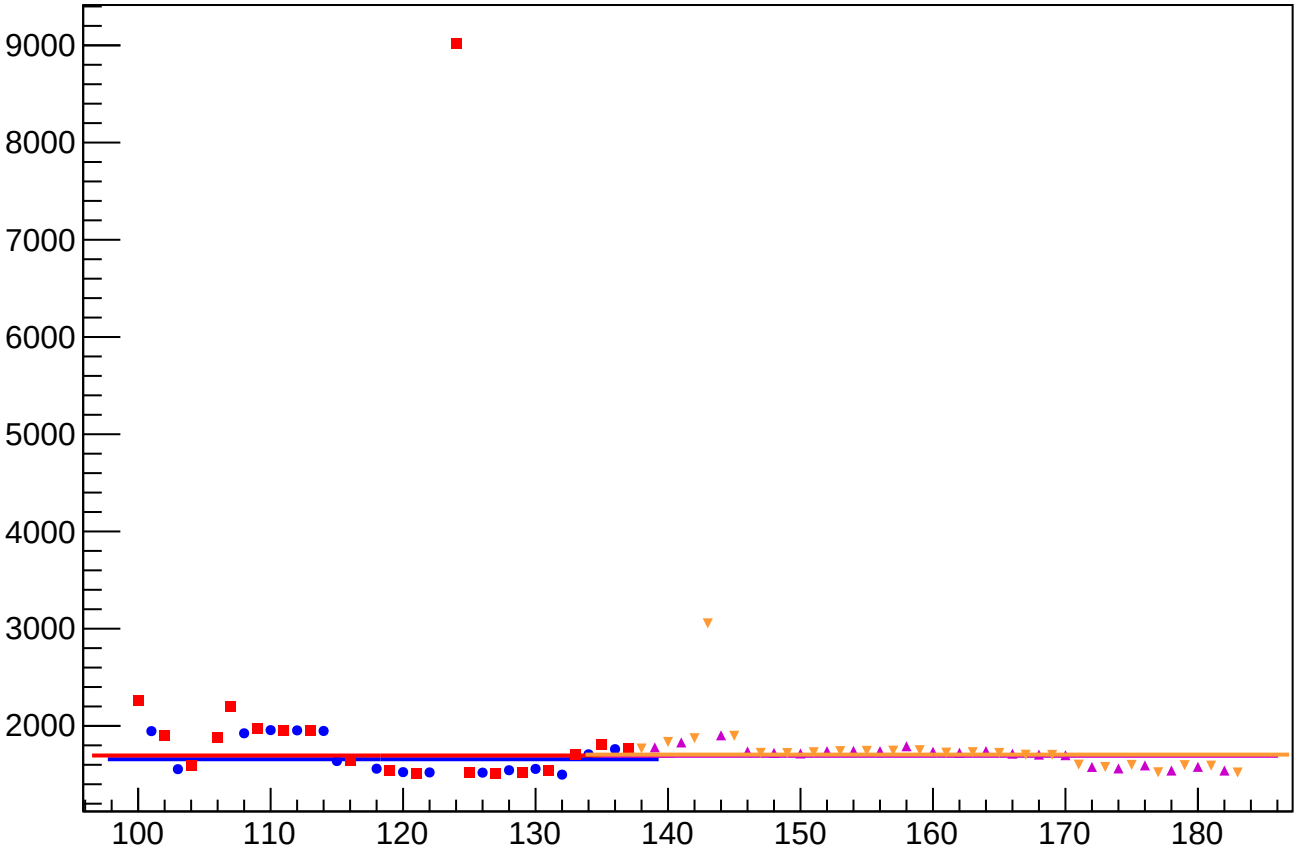
Left In: 602.454+/-399.081 χ^2/NDF:6.9/21

+ sign 221.195+/-331.427 χ^2/NDF: 50.8/39

All: 377.922+/-236.538 χ^2/NDF: 82.4/80

- sign 540.631+/-337.692 χ^2/NDF: 31.1/40

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1704.783+/-0.277 χ^2/NDF:444563.2/23

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

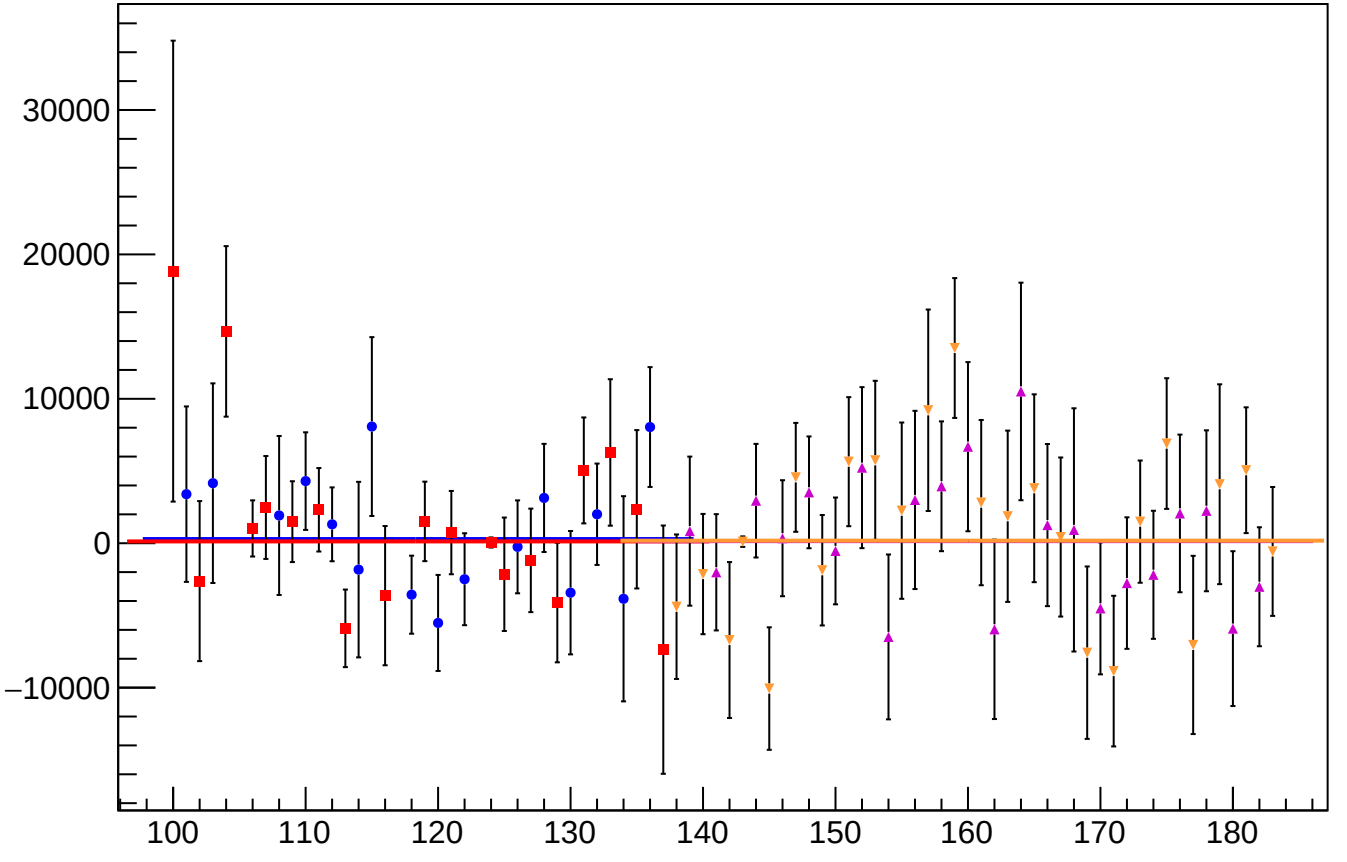
Left In: 1692.424+/-0.282 χ^2/NDF:115961.2/21

+ sign 1691.159+/-0.234 χ^2/NDF: 596989.9/39

All: 1692.233+/-0.167 χ^2/NDF: 1099247.4/80

- sign 1693.346+/-0.238 χ^2/NDF: 502214.8/40

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 177.225+/-343.466 χ^2/NDF:32.7/23

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

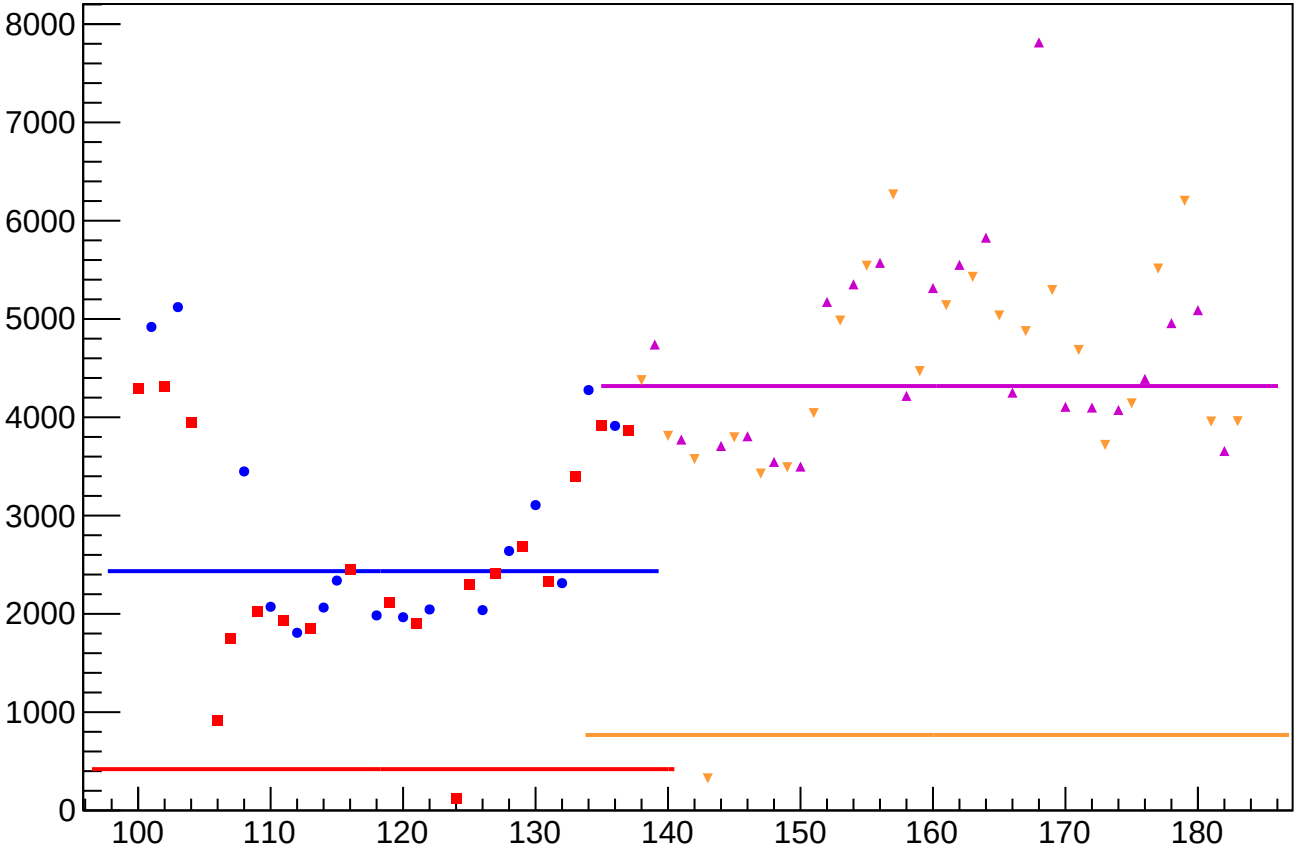
Left In: 145.188+/-1037.301 χ^2/NDF:12.7/21

\+ sign 189.913+/-323.432 χ^2/NDF: 48.0/39

All: 157.194+/-223.430 χ^2/NDF: 81.6/80

\- sign 127.325+/-309.017 χ^2/NDF: 33.6/40

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 768.024+/-0.243 χ^2/NDF:27750432.2/23

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

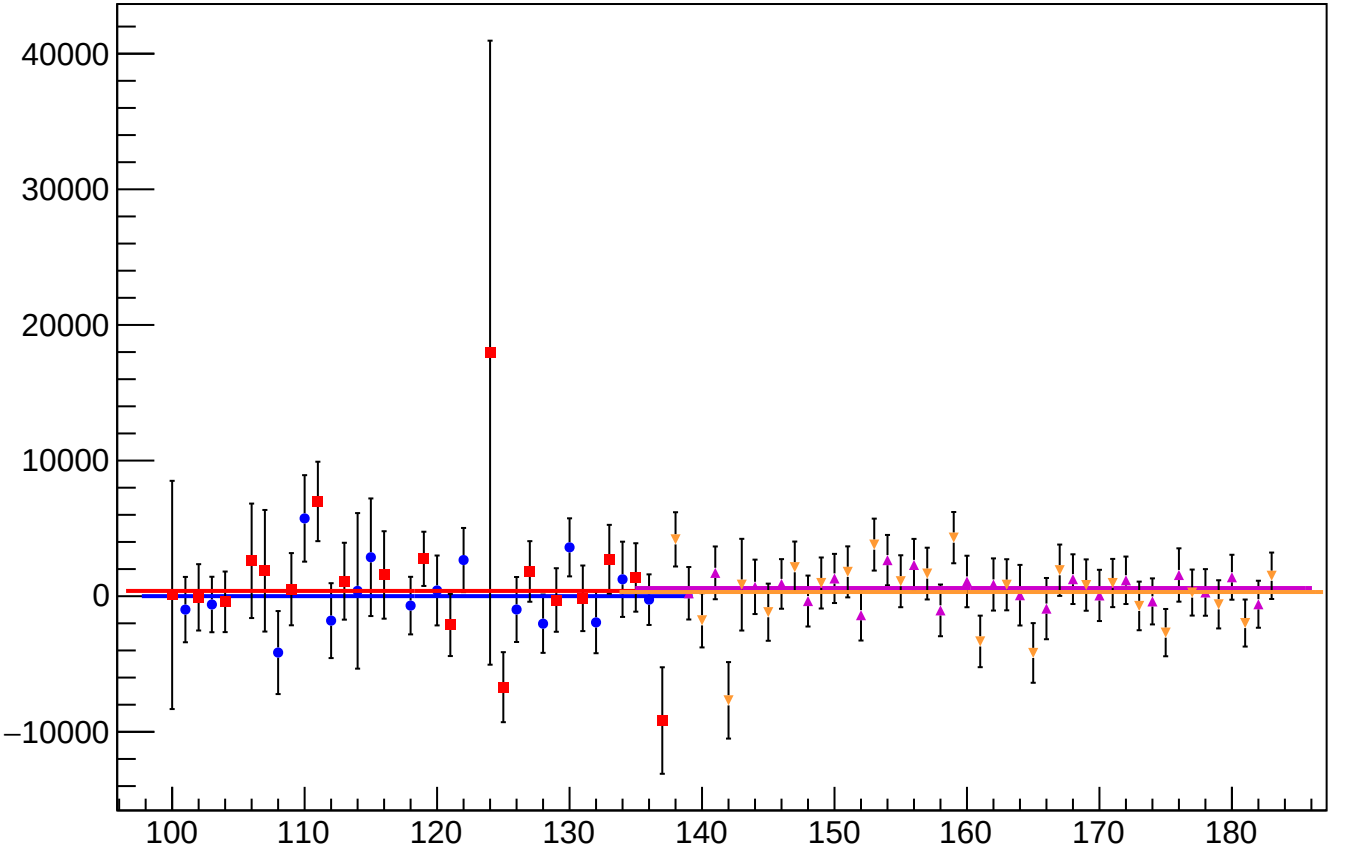
Left In: 4317.758+/-0.733 χ^2/NDF:1201067.6/21

+ sign 956.771+/-0.229 χ^2/NDF: 34541067.7/39

All: 857.134+/-0.158 χ^2/NDF: 72898217.3/80

- sign 766.181+/-0.219 χ^2/NDF: 37994082.7/40

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 307.959+/-392.184 χ^2/NDF:38.2/23

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

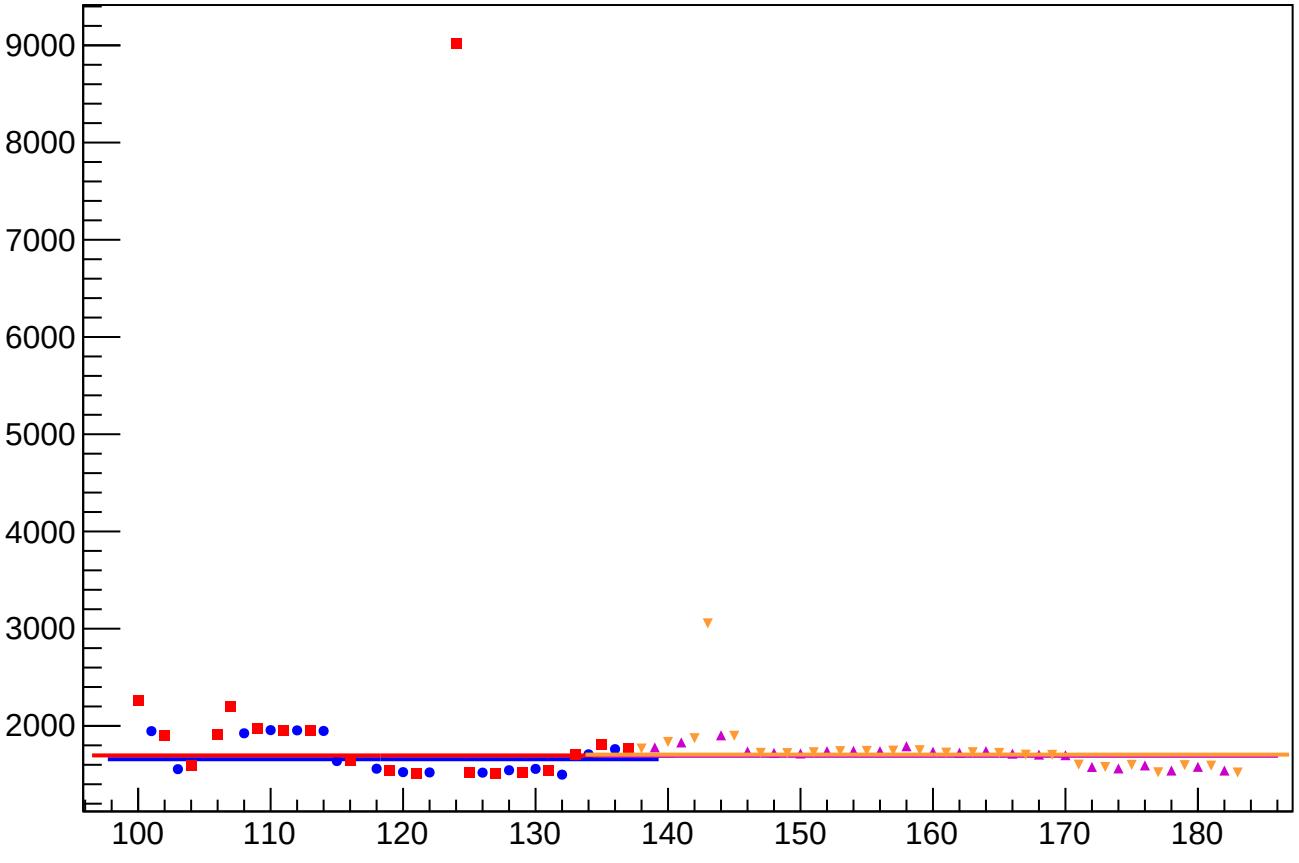
Left In: 602.420+/-399.081 χ^2/NDF:6.9/21

+ sign 221.160+/-331.427 χ^2/NDF: 50.8/39

All: 378.491+/-236.538 χ^2/NDF: 82.4/80

- sign 541.828+/-337.693 χ^2/NDF: 31.1/40

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1704.783+/-0.277 χ^2/NDF:444563.2/23

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

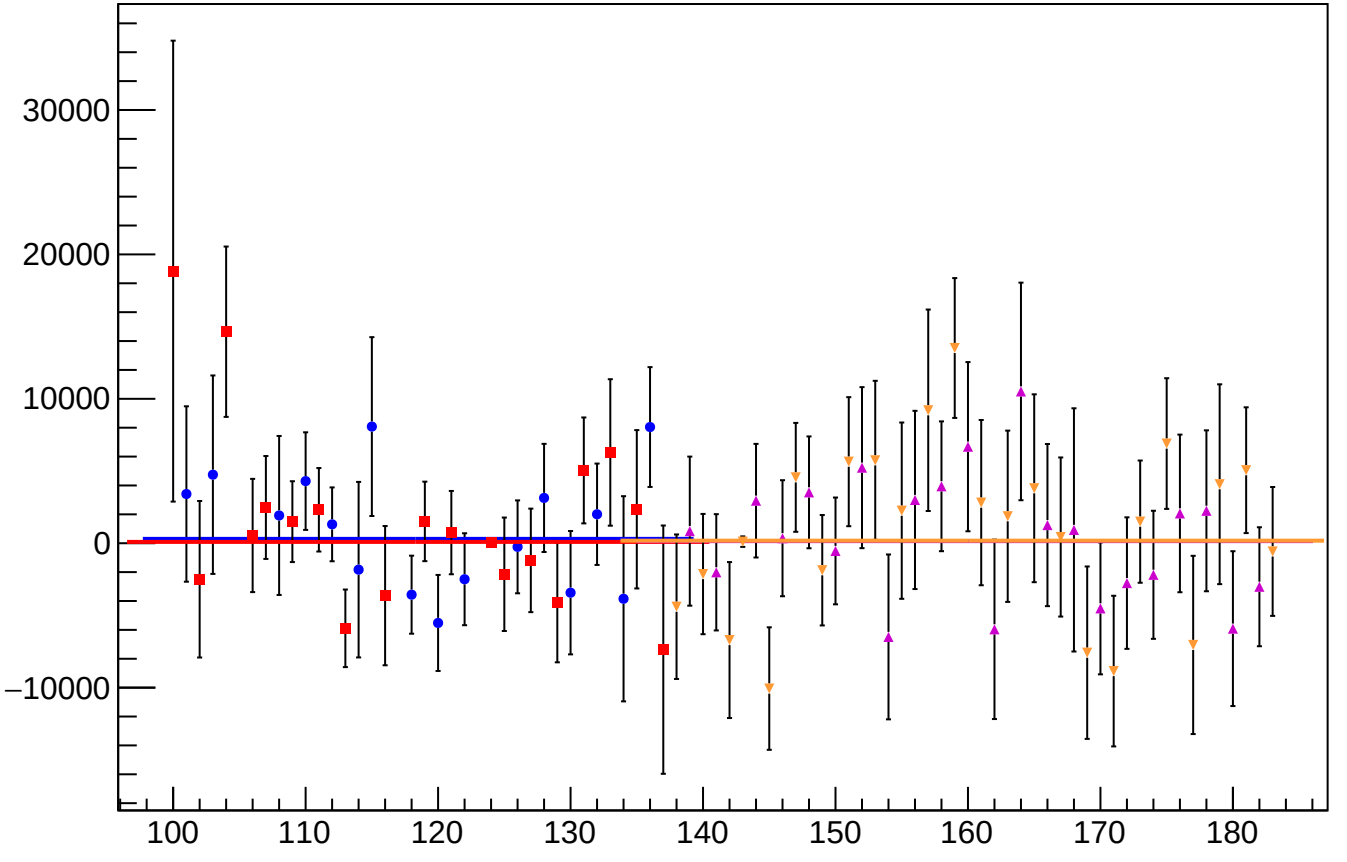
Left In: 1692.424+/-0.282 χ^2/NDF:115961.2/21

+ sign 1691.159+/-0.234 χ^2/NDF: 596990.0/39

All: 1692.344+/-0.167 χ^2/NDF: 1101035.6/80

- sign 1693.572+/-0.239 χ^2/NDF: 503993.6/40

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 177.639+/-343.442 χ^2/NDF:32.7/23

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

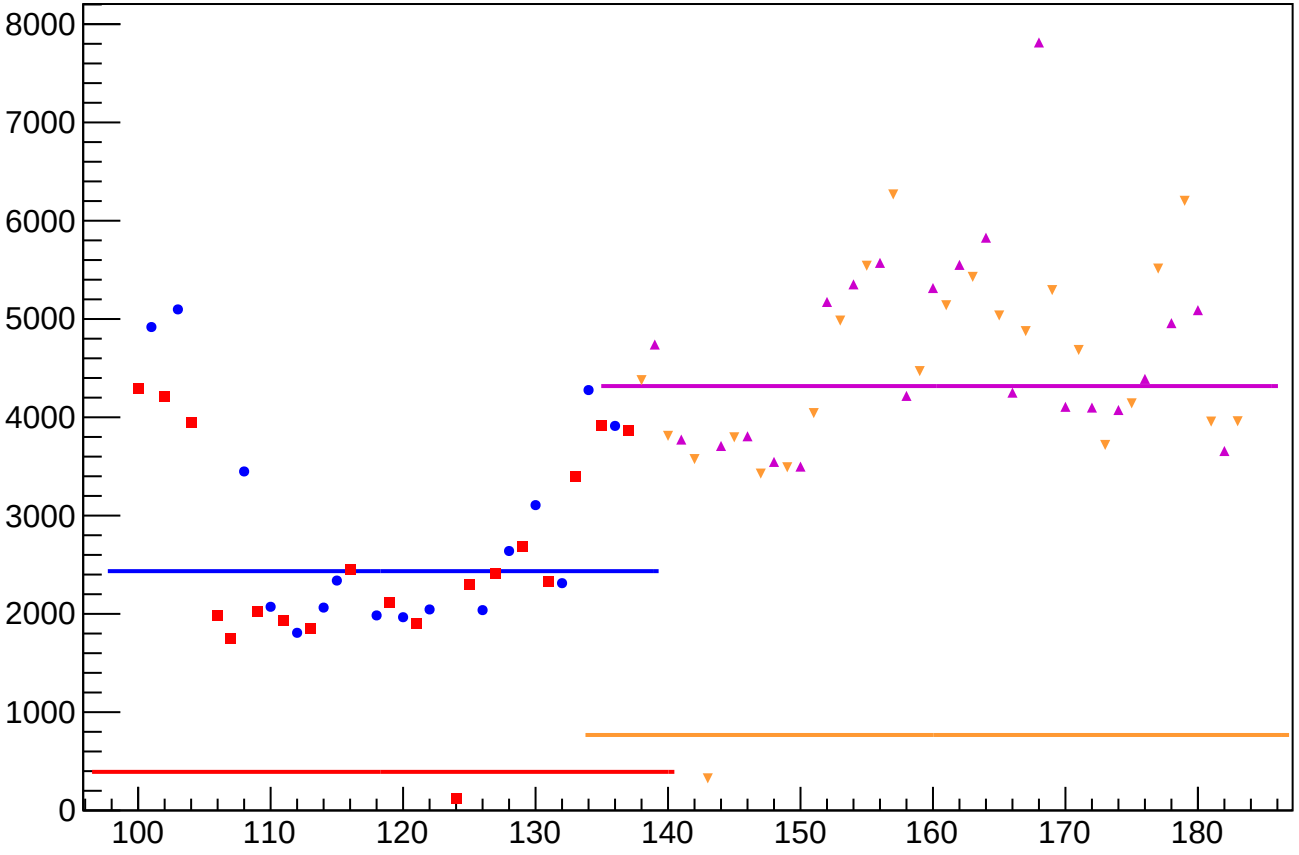
Left In: 145.233+/-1037.300 χ^2/NDF:12.7/21

+ sign 191.707+/-323.408 χ^2/NDF: 48.1/39

All: 140.986+/-220.755 χ^2/NDF: 81.5/80

- sign 96.737+/-302.072 χ^2/NDF: 33.4/40

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 767.936+/-0.243 χ^2/NDF:27751280.5/23

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

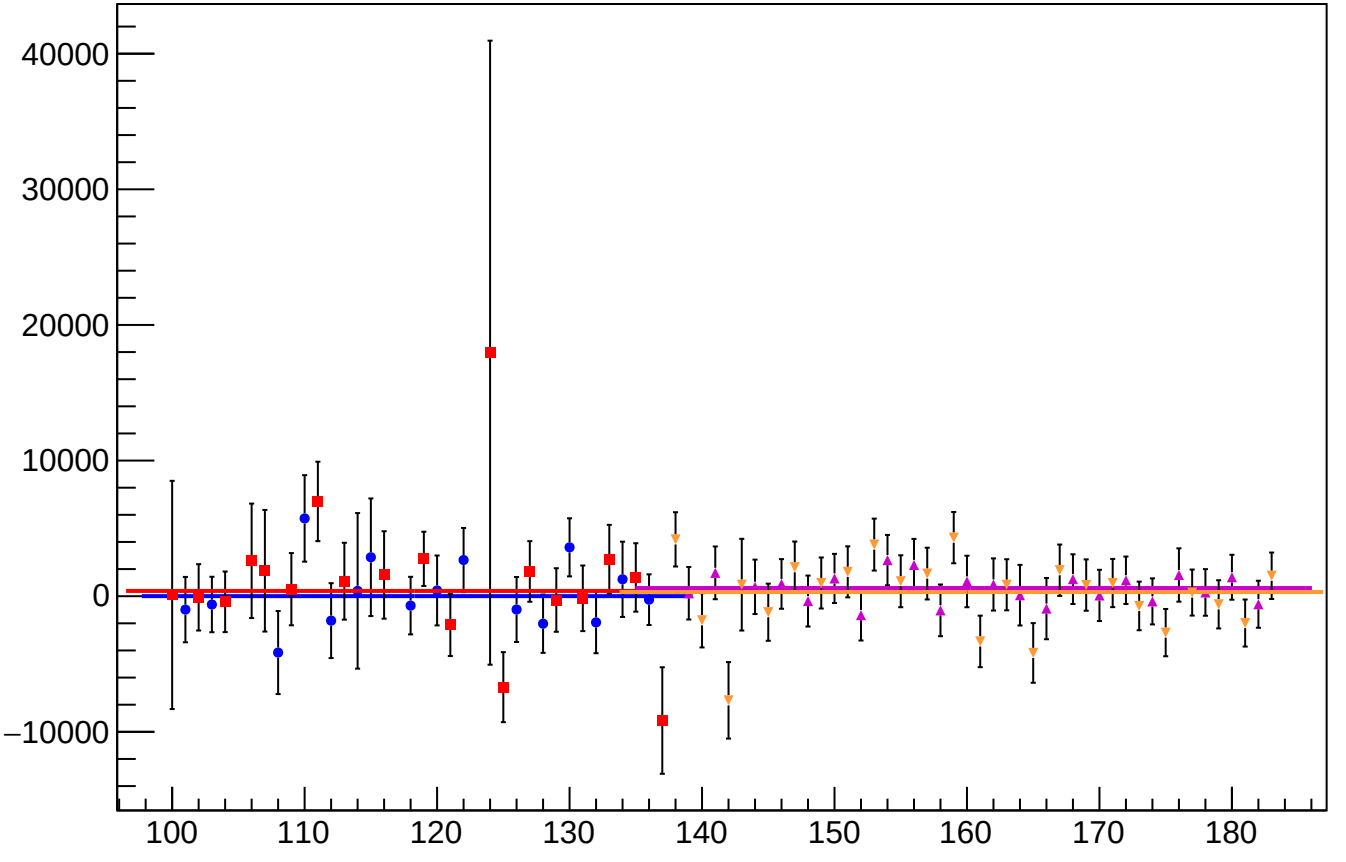
Left In: 4317.752+/-0.733 χ^2/NDF:1201061.8/21

+ sign 956.729+/-0.229 χ^2/NDF: 34543095.0/39

All: 833.250+/-0.156 χ^2/NDF: 73906087.8/80

- sign 725.526+/-0.214 χ^2/NDF: 38817085.8/40

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 307.959+/-392.184 χ^2/NDF:38.2/23

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

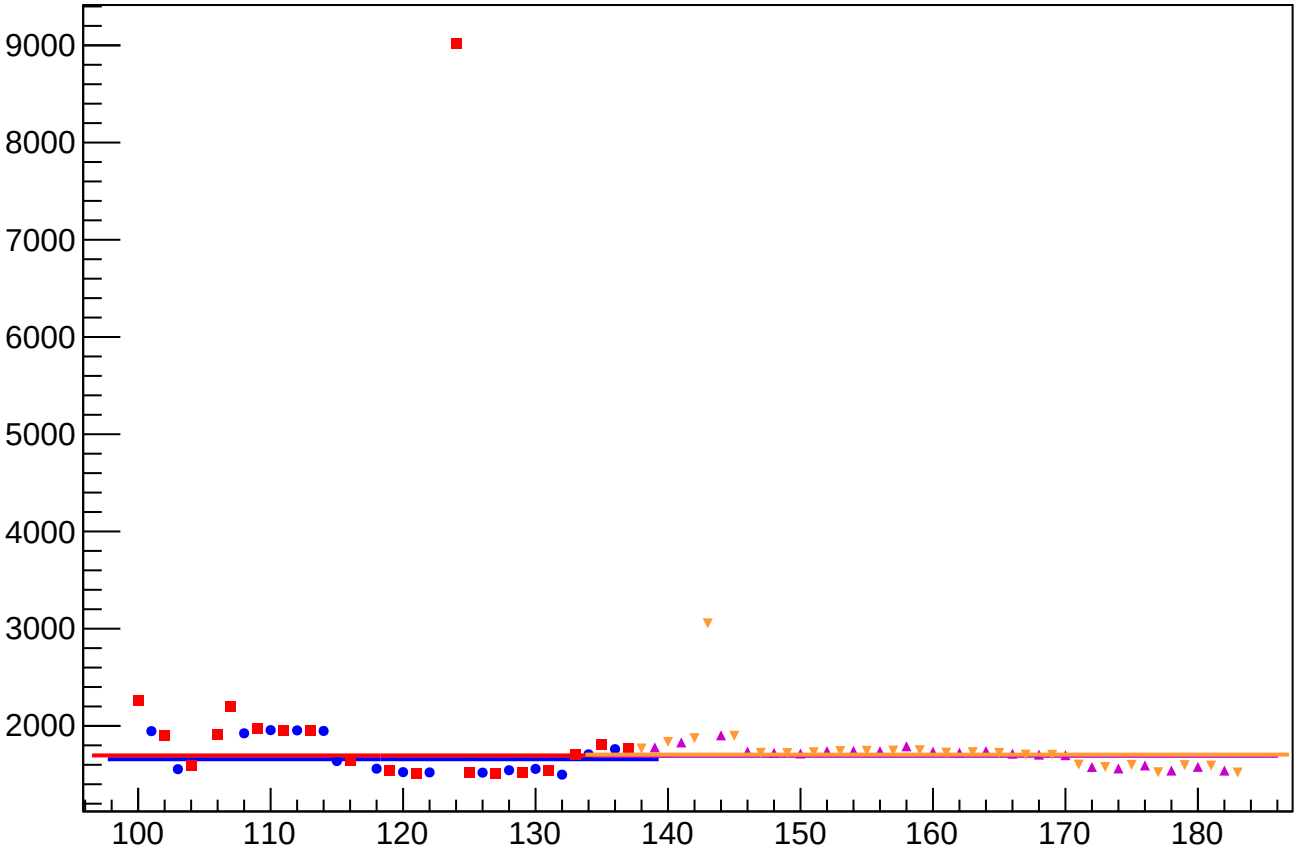
Left In: 602.420+/-399.081 χ^2/NDF:6.9/21

+ sign 221.160+/-331.427 χ^2/NDF: 50.8/39

All: 378.491+/-236.538 χ^2/NDF: 82.4/80

- sign 541.828+/-337.693 χ^2/NDF: 31.1/40

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1704.783+/-0.277 χ^2/NDF:444563.2/23

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

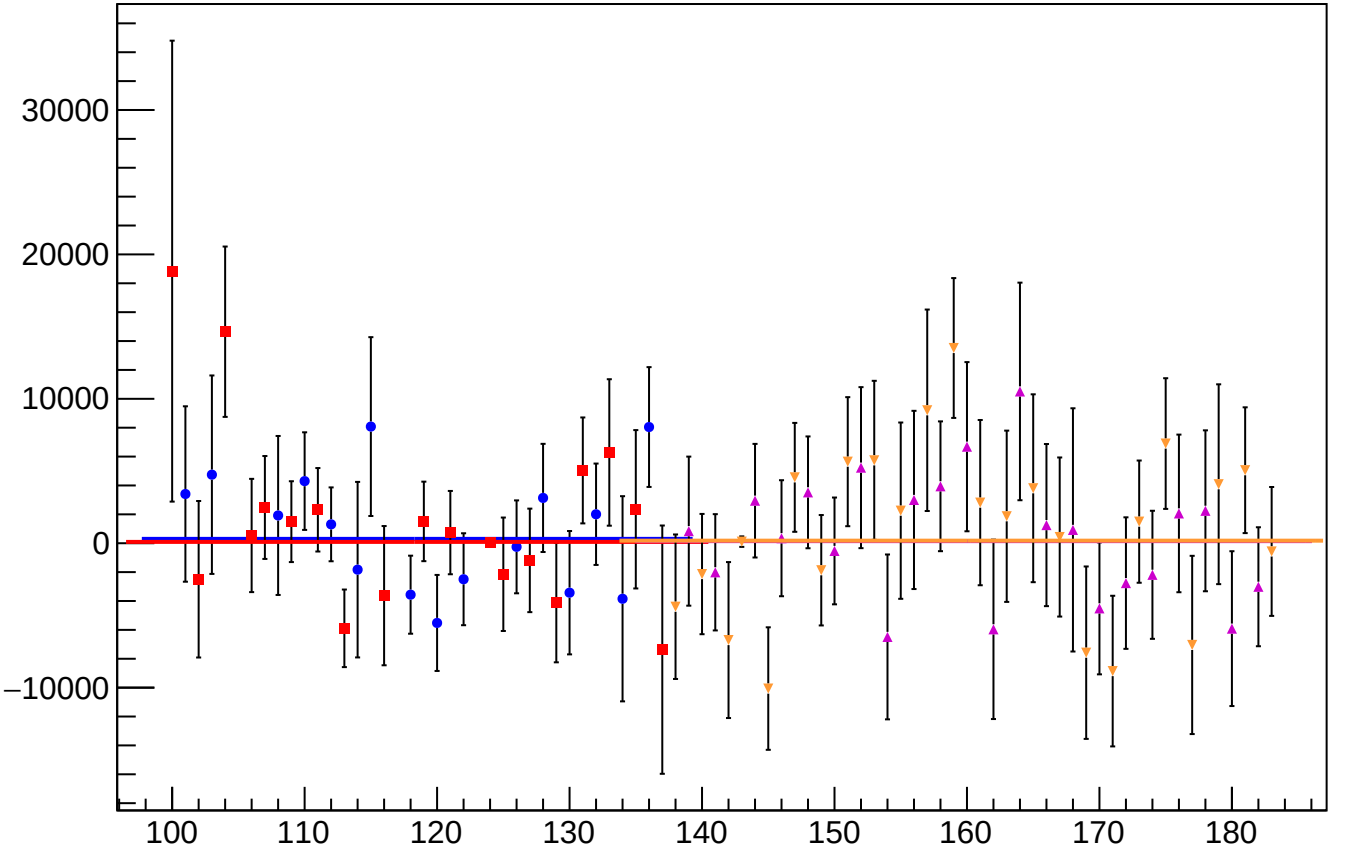
Left In: 1692.424+/-0.282 χ^2/NDF:115961.2/21

+ sign 1691.159+/-0.234 χ^2/NDF: 596990.0/39

All: 1692.344+/-0.167 χ^2/NDF: 1101035.6/80

- sign 1693.572+/-0.239 χ^2/NDF: 503993.6/40

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 177.639+/-343.442 χ^2/NDF:32.7/23

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

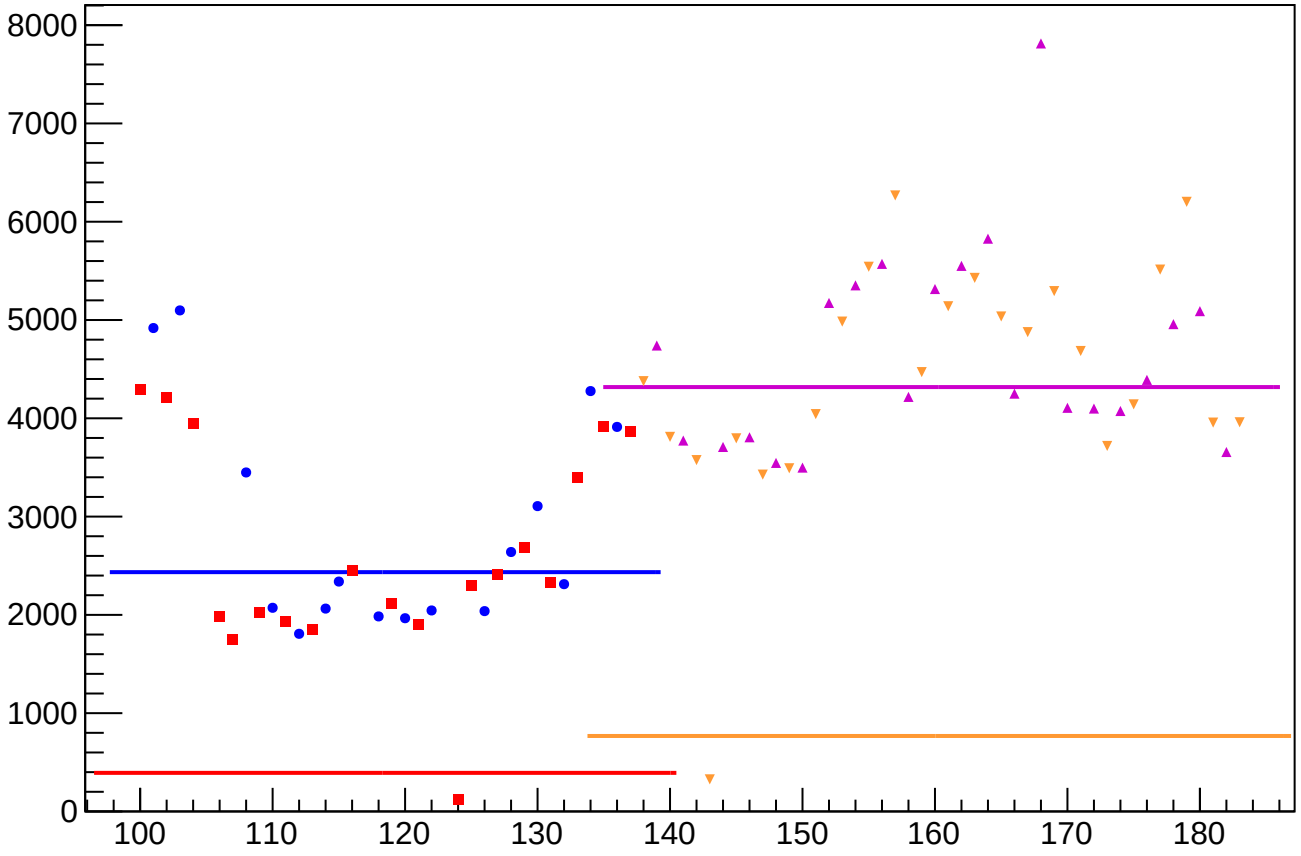
Left In: 145.233+/-1037.300 χ^2/NDF:12.7/21

\+ sign 191.707+/-323.408 χ^2/NDF: 48.1/39

All: 140.986+/-220.755 χ^2/NDF: 81.5/80

\- sign 96.737+/-302.072 χ^2/NDF: 33.4/40

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 767.936+/-0.243 χ^2/NDF:27751280.5/23

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

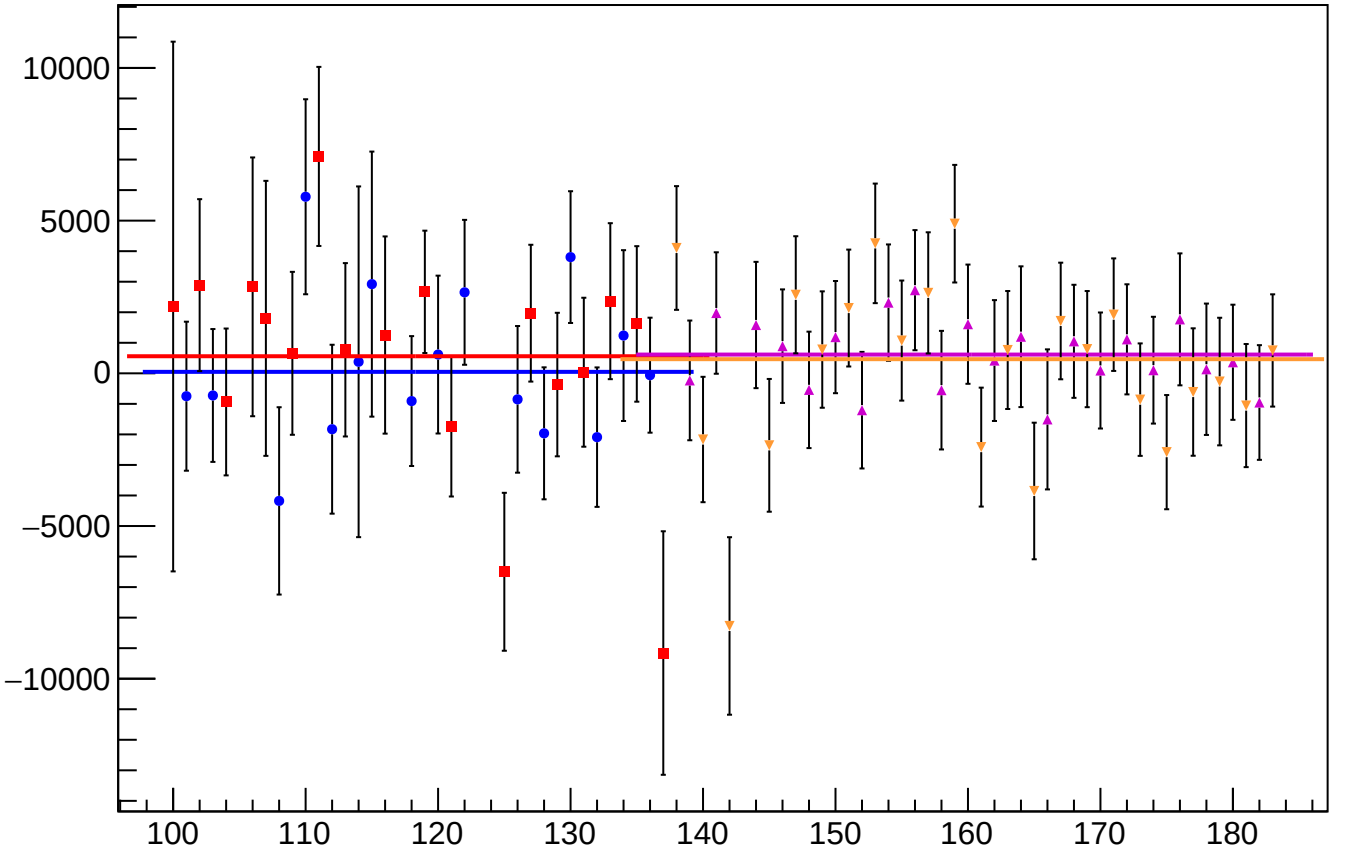
Left In: 4317.752+/-0.733 χ^2/NDF:1201061.8/21

+ sign 956.729+/-0.229 χ^2/NDF: 34543095.0/39

All: 833.250+/-0.156 χ^2/NDF: 73906087.8/80

- sign 725.526+/-0.214 χ^2/NDF: 38817085.8/40

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 463.526+/-414.037 χ^2/NDF:39.1/22

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

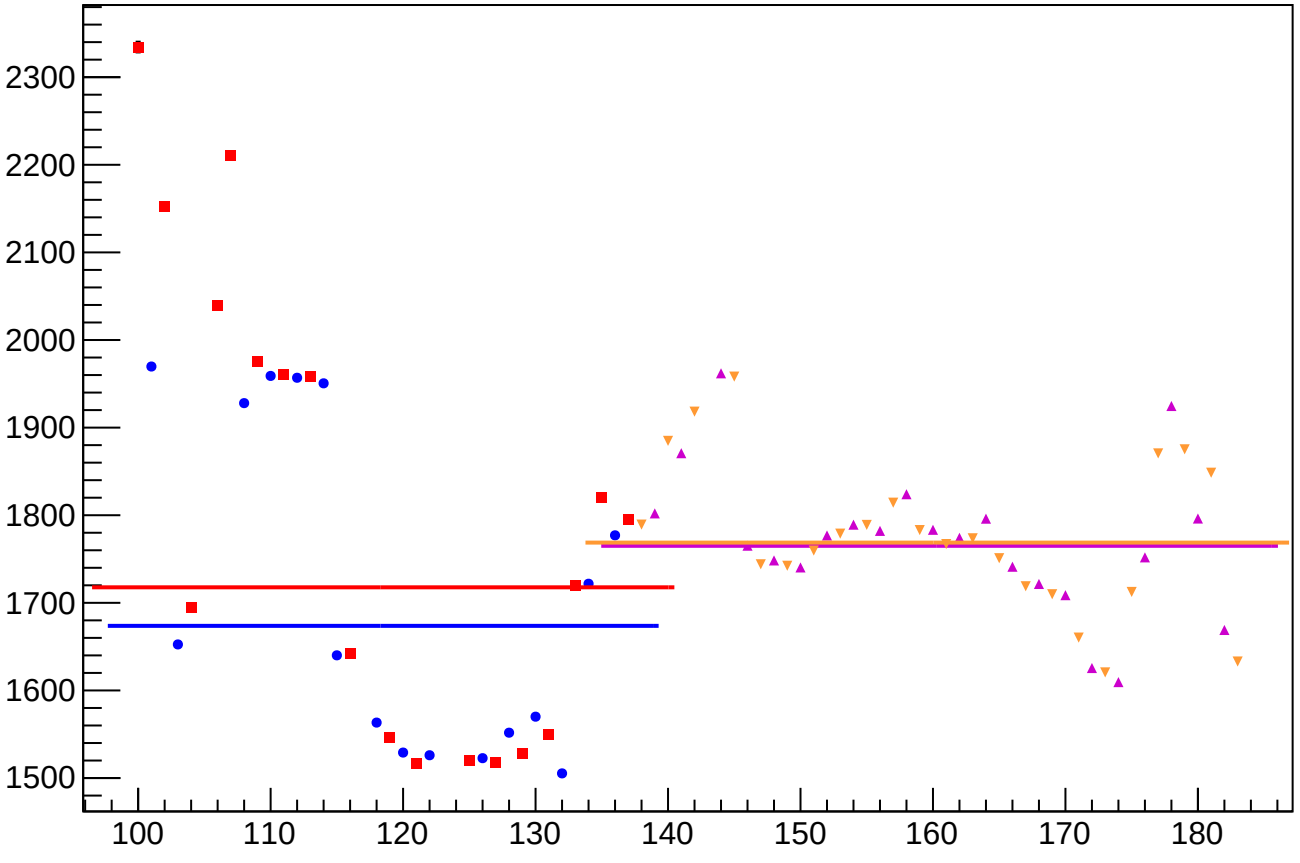
Left In: 614.206+/-416.055 χ^2/NDF:7.1/21

+ sign 337.215+/-345.362 χ^2/NDF: 52.2/38

All: 466.074+/-245.718 χ^2/NDF: 82.9/78

- sign 598.171+/-349.674 χ^2/NDF: 30.4/39

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.766+/-0.293 χ^2/NDF:78383.5/22

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

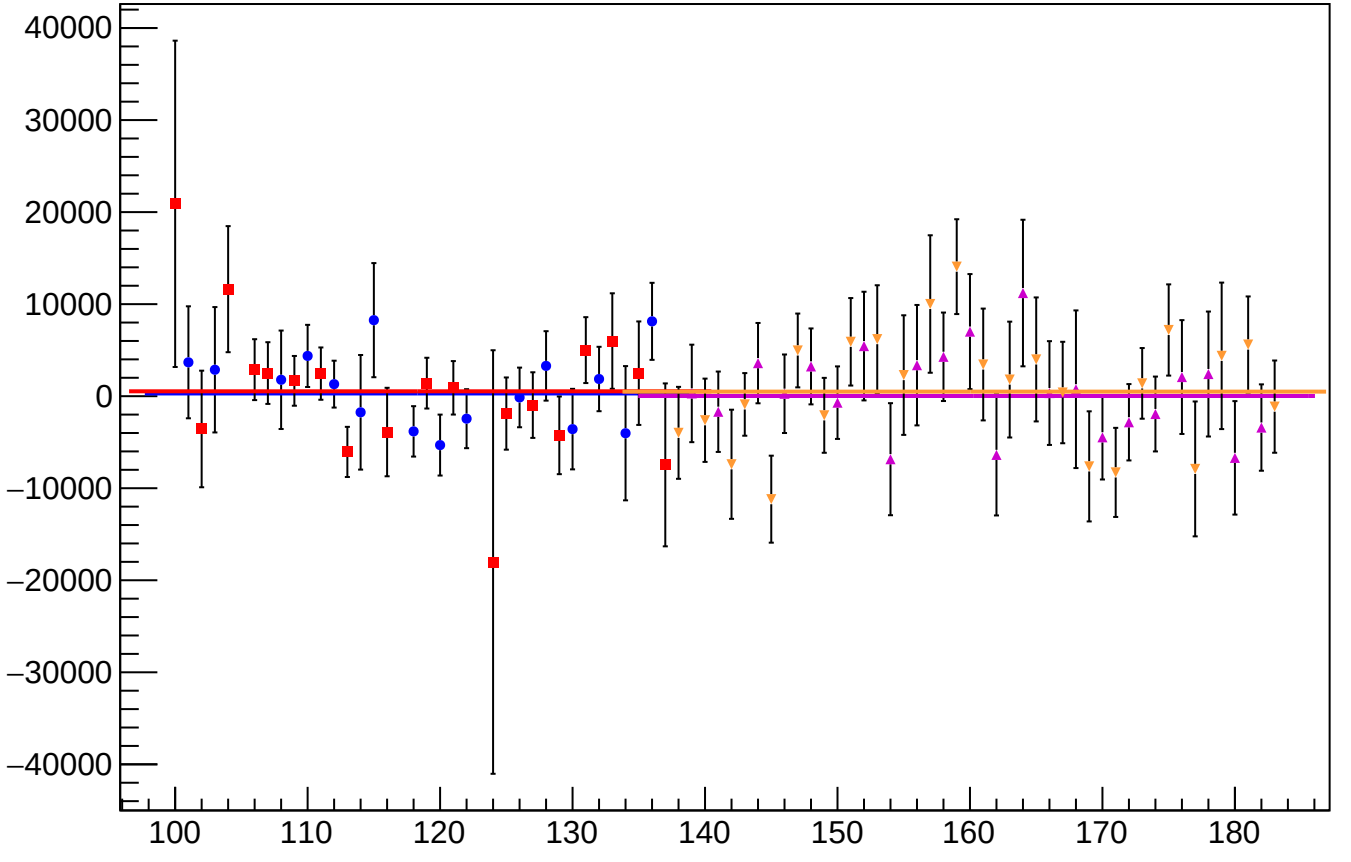
Left In: 1765.095+/-0.294 χ^2/NDF:75726.9/21

+ sign 1739.854+/-0.244 χ^2/NDF: 251314.3/38

All: 1745.429+/-0.174 χ^2/NDF: 563379.4/78

- sign 1751.136+/-0.247 χ^2/NDF: 311010.4/39

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 496.215+/-1041.907 χ^2/NDF:32.0/23

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

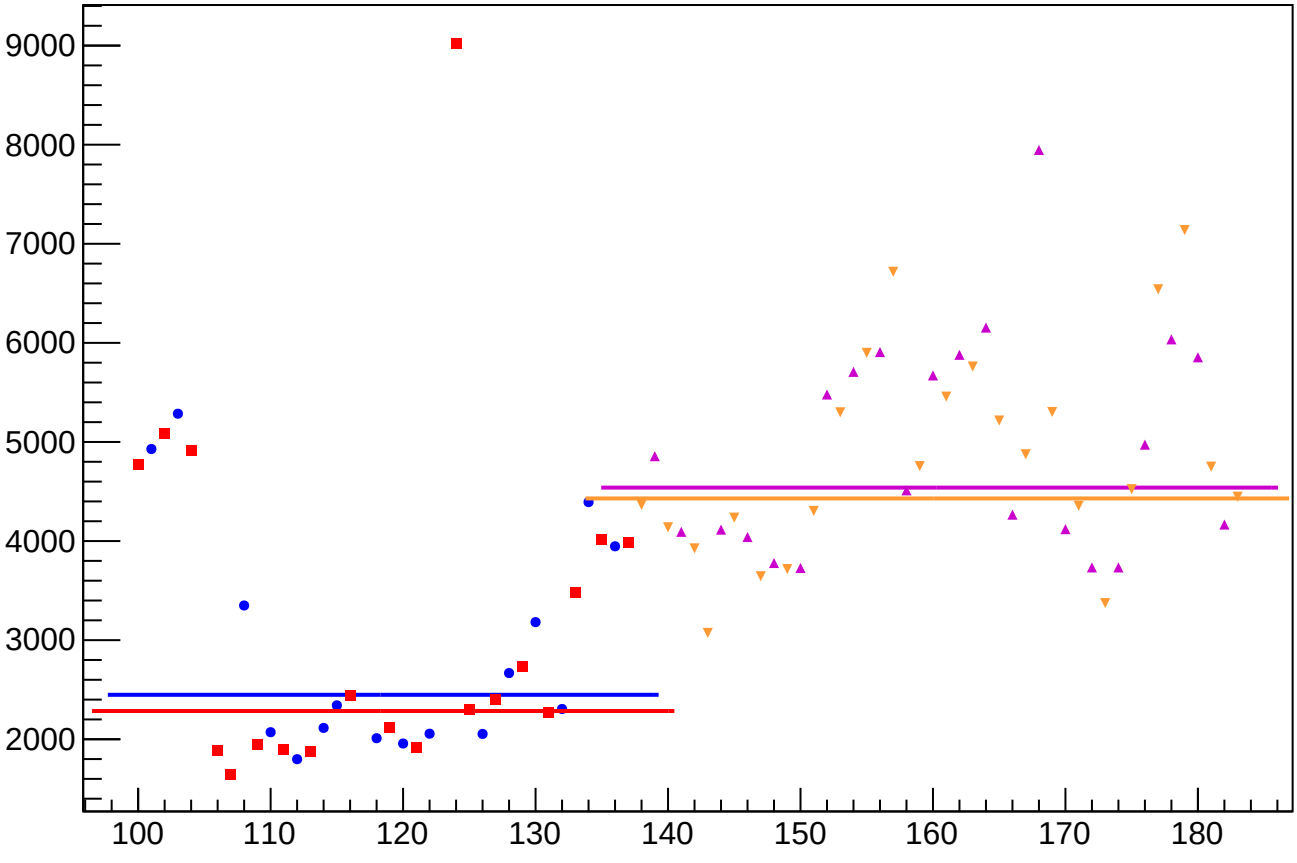
Left In: 20.057+/-1093.497 χ^2/NDF:12.4/21

+ sign 388.691+/-707.860 χ^2/NDF: 47.3/39

All: 358.009+/-493.155 χ^2/NDF: 78.7/80

- sign 329.070+/-687.442 χ^2/NDF: 31.3/40

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4430.269+/-0.737 χ^2/NDF:1613235.4/23

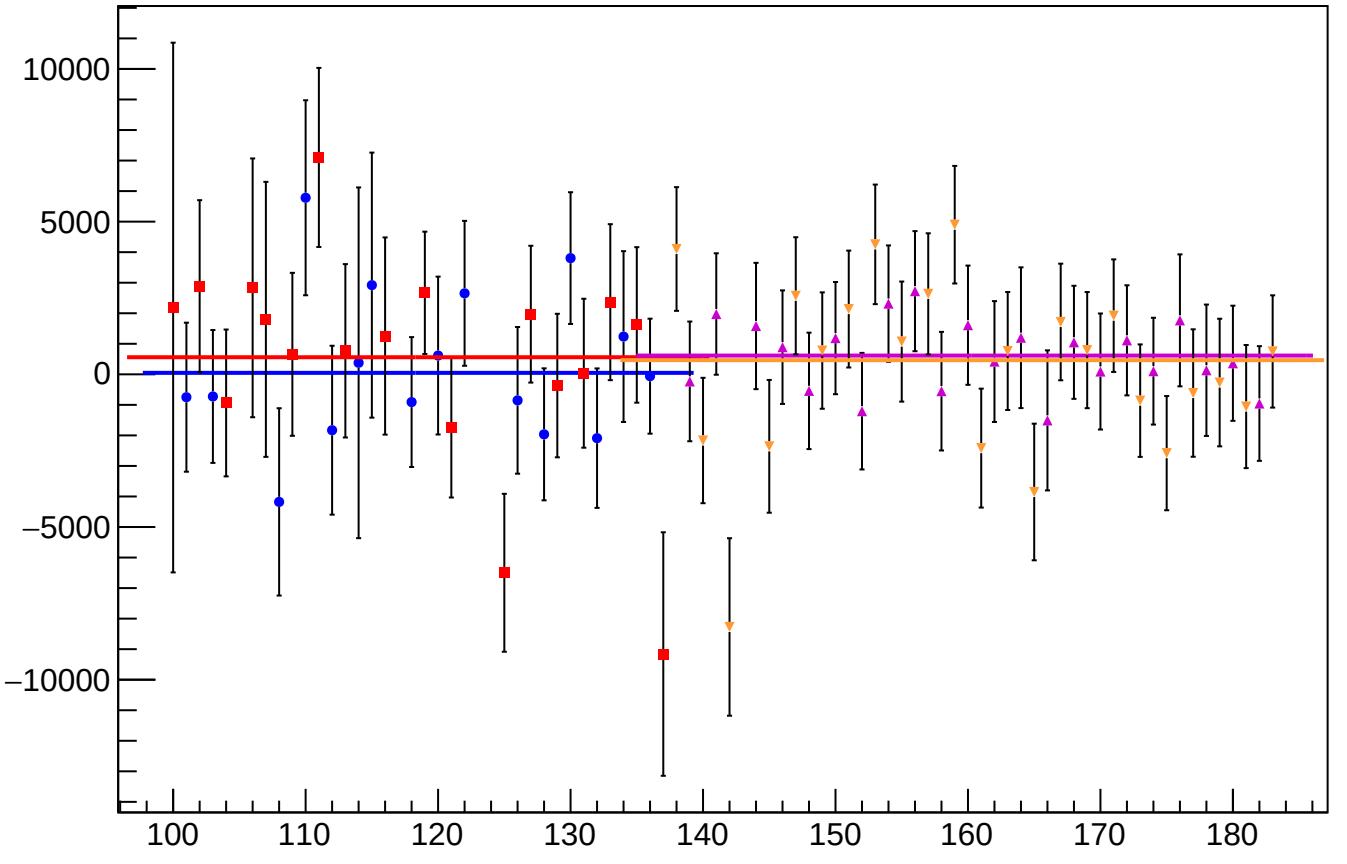
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4539.332+/-0.773 χ^2/NDF:1371907.2/21

+ sign 3363.275+/-0.501 χ^2/NDF: 7026338.8/39

All: 3266.897+/-0.349 χ^2/NDF: 15159545.6/8

- sign 3175.998+/-0.486 χ^2/NDF: 8061162.6/40



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 463.527+/-414.037 χ^2/NDF:39.1/22

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

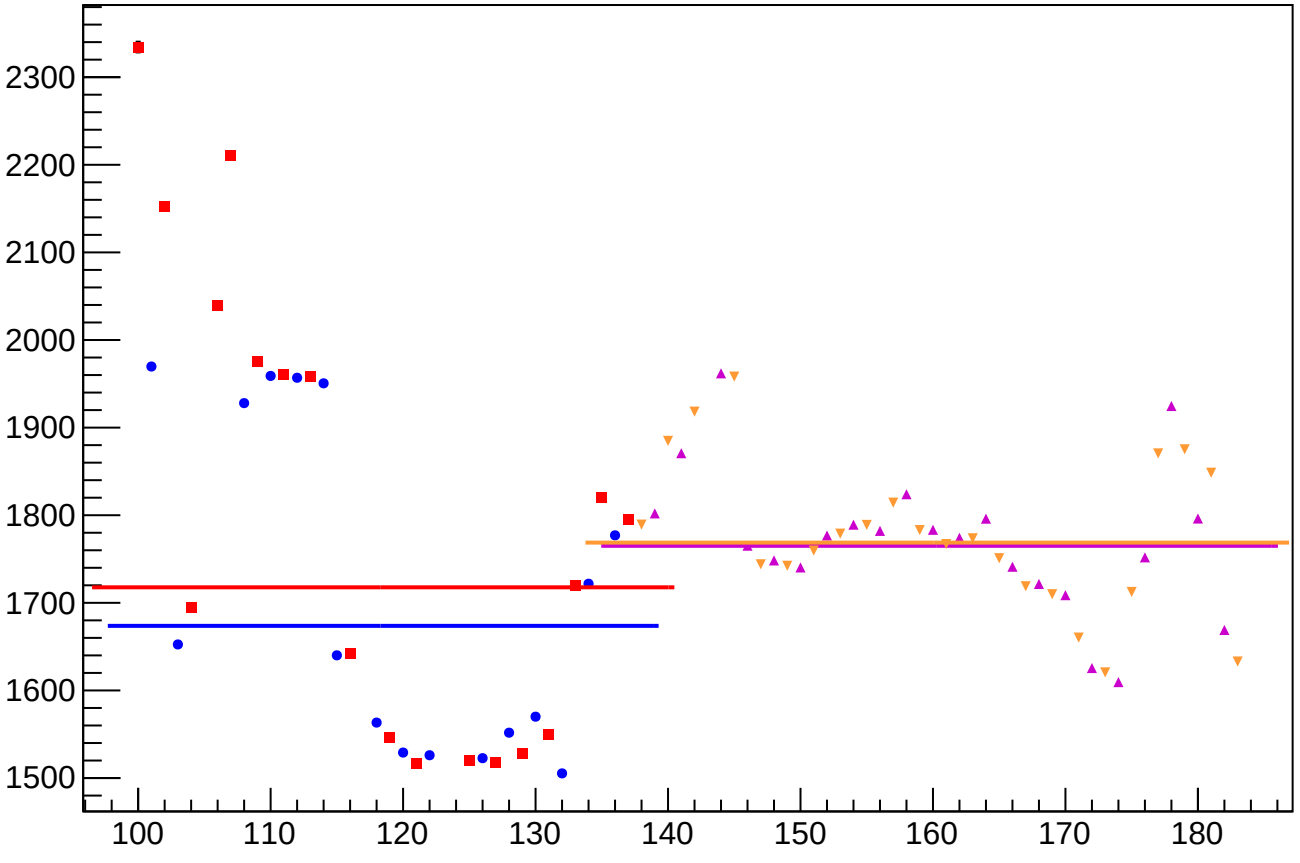
Left In: 614.205+/-416.055 χ^2/NDF:7.1/21

\+ sign 337.215+/-345.362 χ^2/NDF: 52.2/38

All: 466.074+/-245.718 χ^2/NDF: 82.9/78

\- sign 598.171+/-349.674 χ^2/NDF: 30.4/39

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.767+/-0.293 χ^2/NDF:78386.6/22

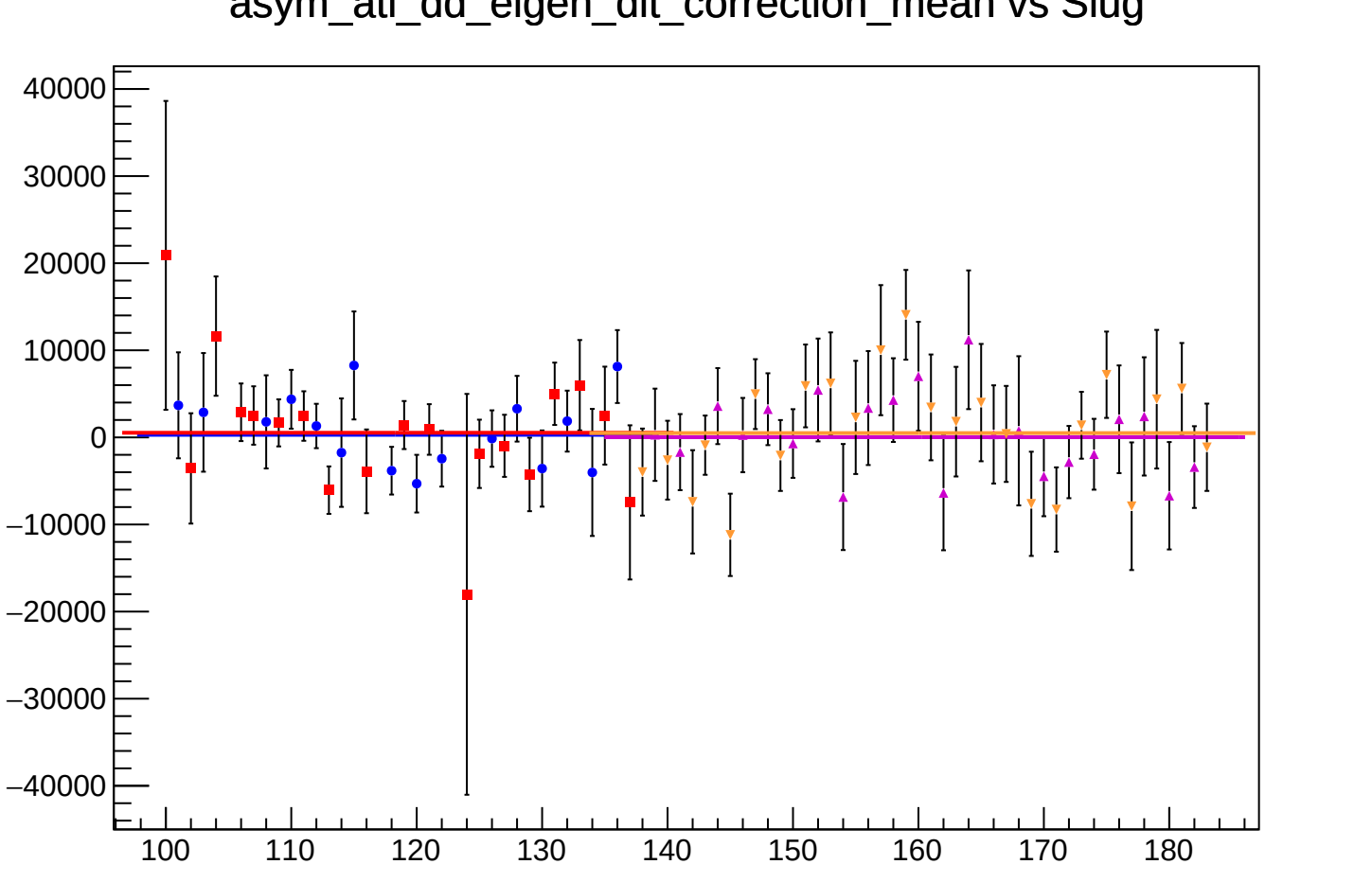
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1765.096+/-0.294 χ^2/NDF:75729.6/21

+ sign 1739.854+/-0.244 χ^2/NDF: 251318.3/38

All: 1745.429+/-0.174 χ^2/NDF: 563385.8/78

- sign 1751.137+/-0.247 χ^2/NDF: 311012.8/39



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 496.219+/-1041.909 χ^2/NDF:32.0/23

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

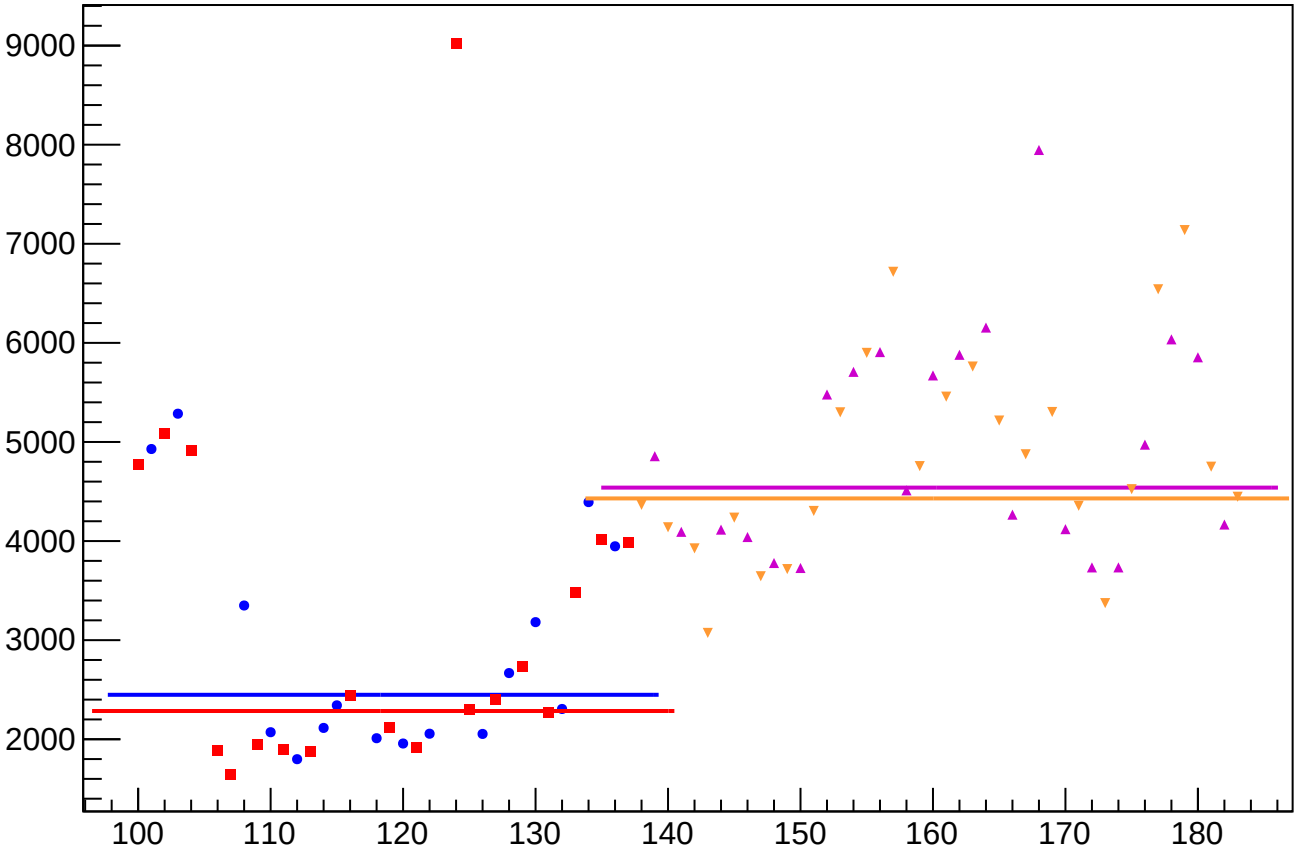
Left In: 20.057+/-1093.499 χ^2/NDF:12.4/21

\+ sign 388.689+/-707.859 χ^2/NDF: 47.3/39

All: 358.009+/-493.155 χ^2/NDF: 78.7/80

\- sign 329.073+/-687.441 χ^2/NDF: 31.3/40

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4430.275+/-0.737 χ^2/NDF:1613237.9/23

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

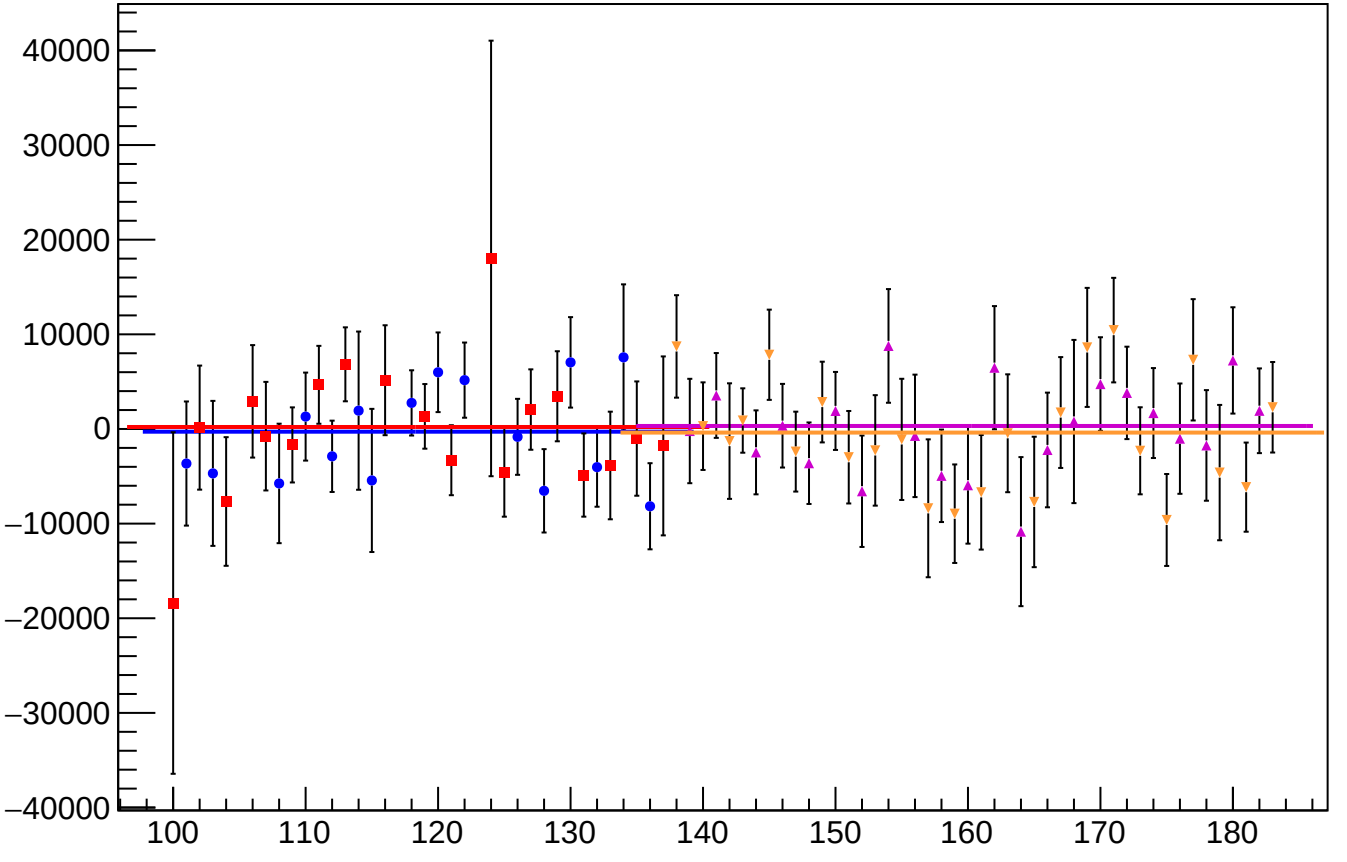
Left In: 4539.339+/-0.773 χ^2/NDF:1371908.5/21

+ sign 3363.267+/-0.501 χ^2/NDF: 7026430.6/39

All: 3266.889+/-0.349 χ^2/NDF: 15159722.9/8

- sign 3175.990+/-0.486 χ^2/NDF: 8061248.0/40

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -380.921+/-1063.400 χ^2/NDF:26.7/23

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

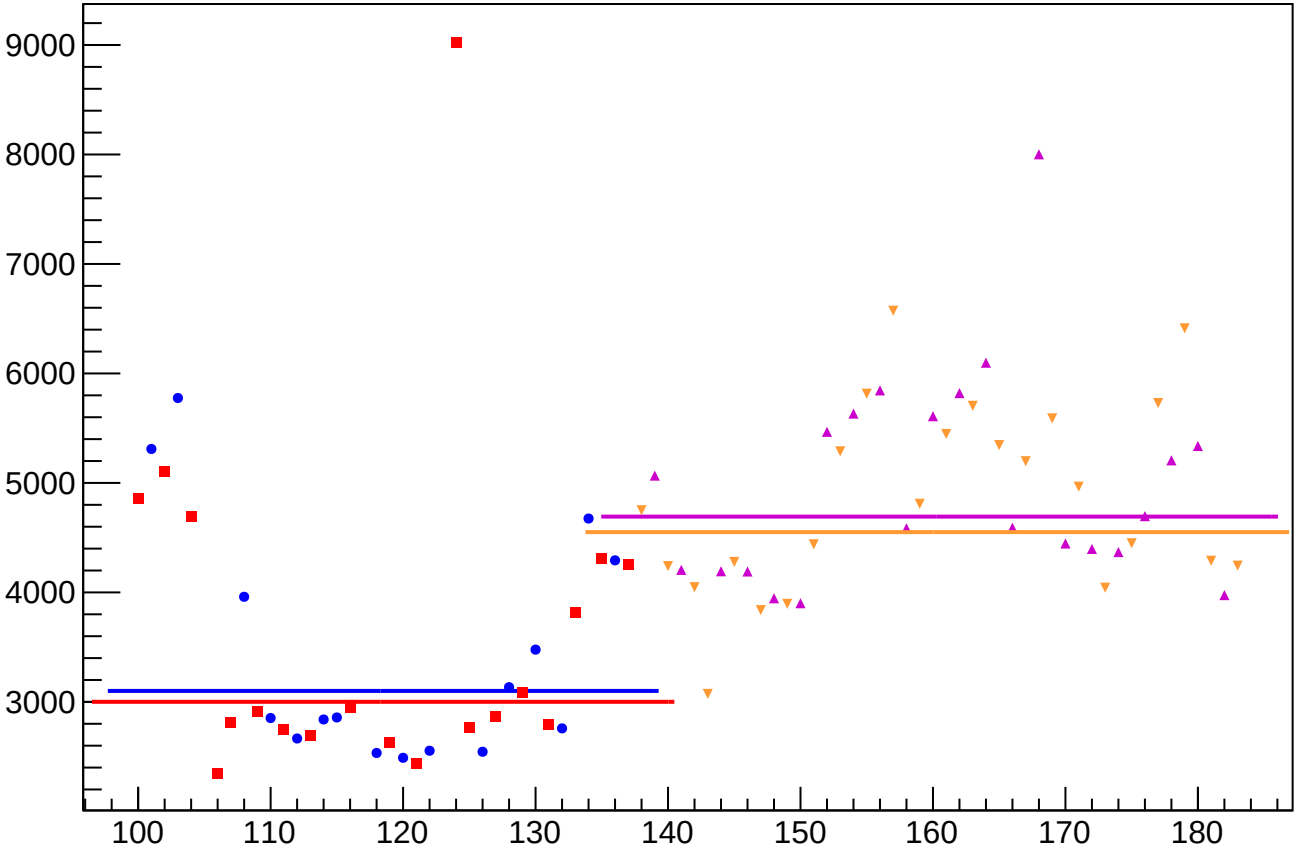
Left In: 317.143+/-1122.264 χ^2/NDF:13.8/21

\+ sign -339.627+/-795.092 χ^2/NDF: 43.3/39

All: -40.955+/-565.498 χ^2/NDF: 70.2/80

\- sign 264.797+/-804.459 χ^2/NDF: 26.6/40

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4550.520+/-0.752 χ^2/NDF:1255742.2/23

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

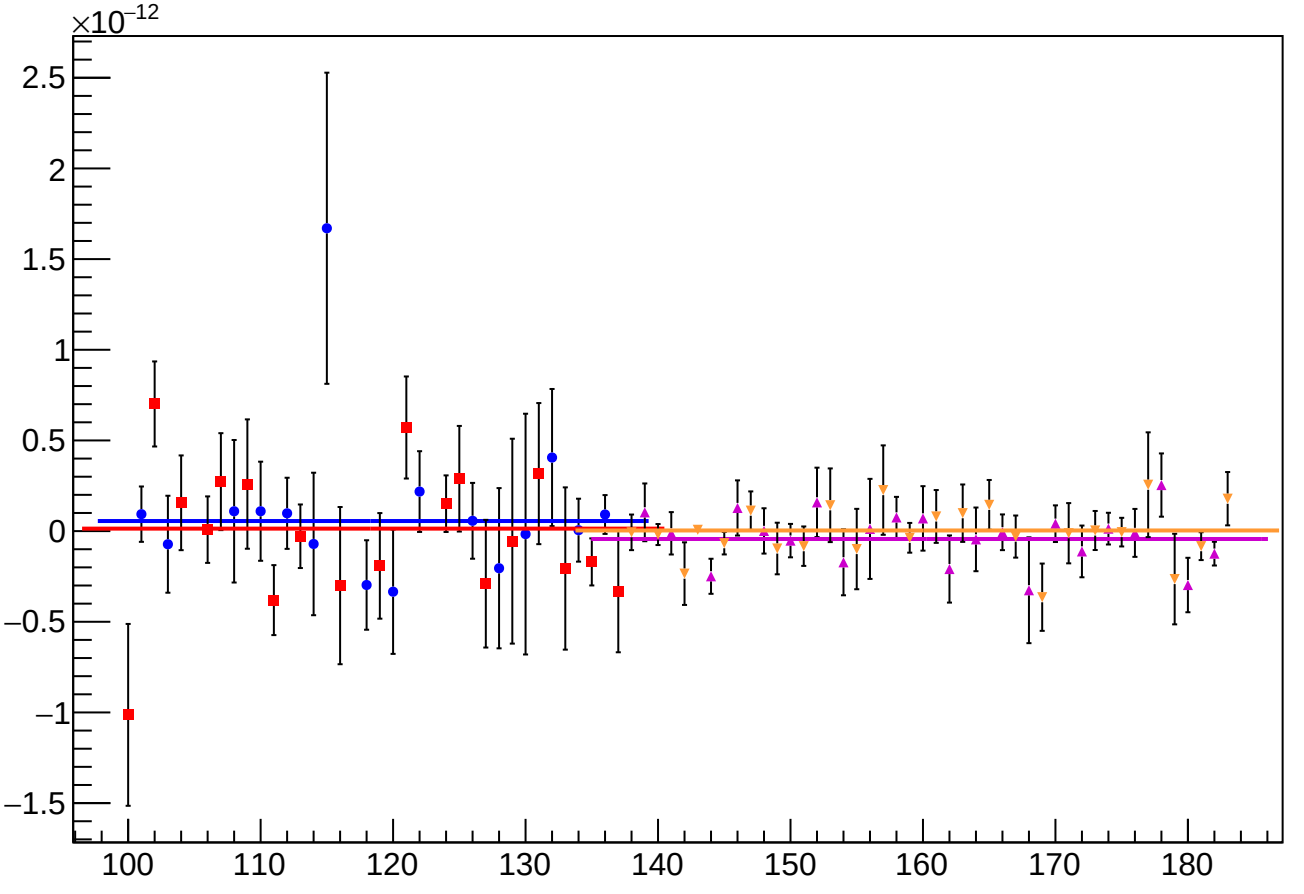
Left In: 4692.292+/-0.794 χ^2/NDF:943585.7/21

+ sign 3910.955+/-0.562 χ^2/NDF: 3860020.4/39

All: 3884.821+/-0.399 χ^2/NDF: 7854412.8/80

- sign 3858.422+/-0.565 χ^2/NDF: 3990049.0/40

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/23

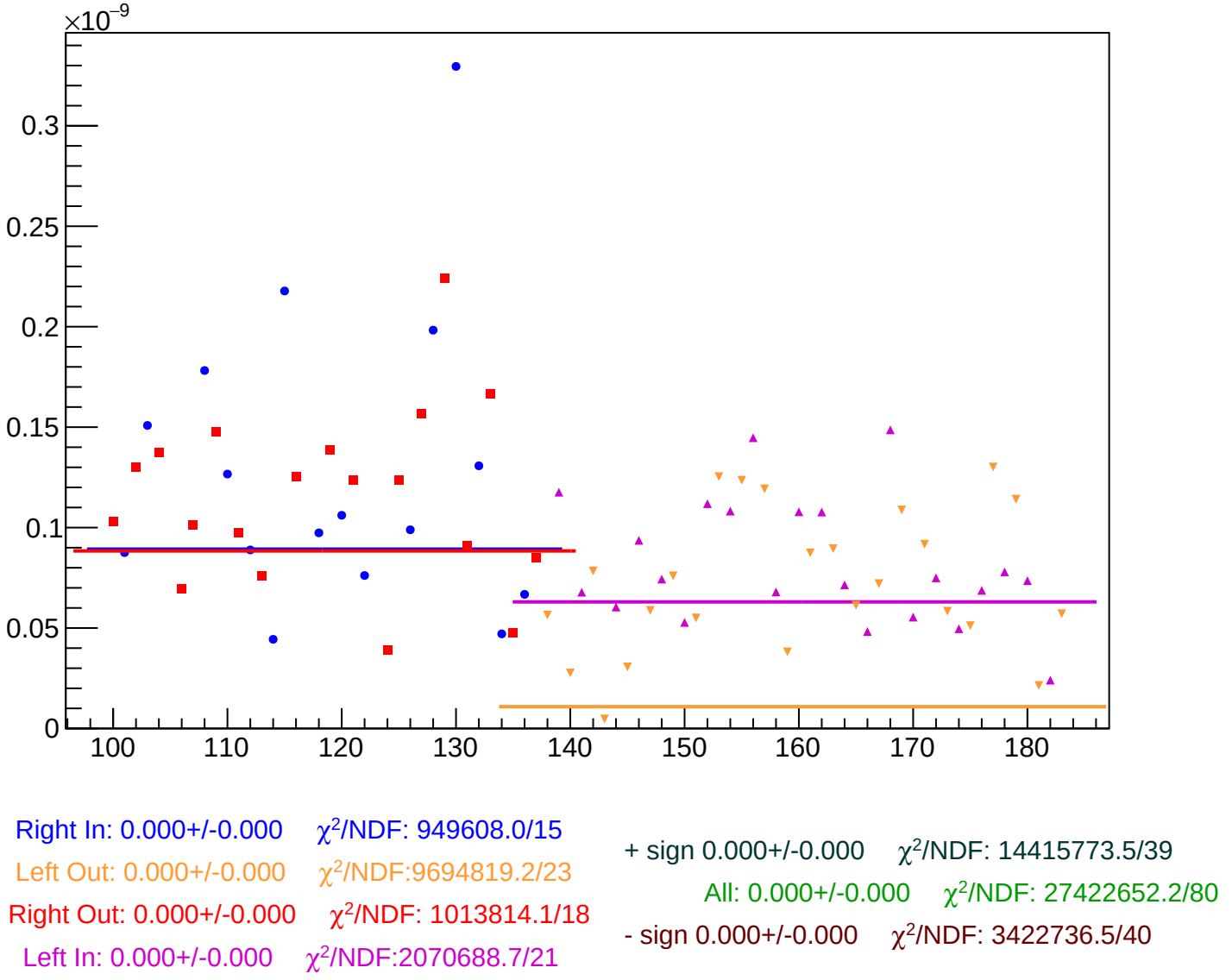
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

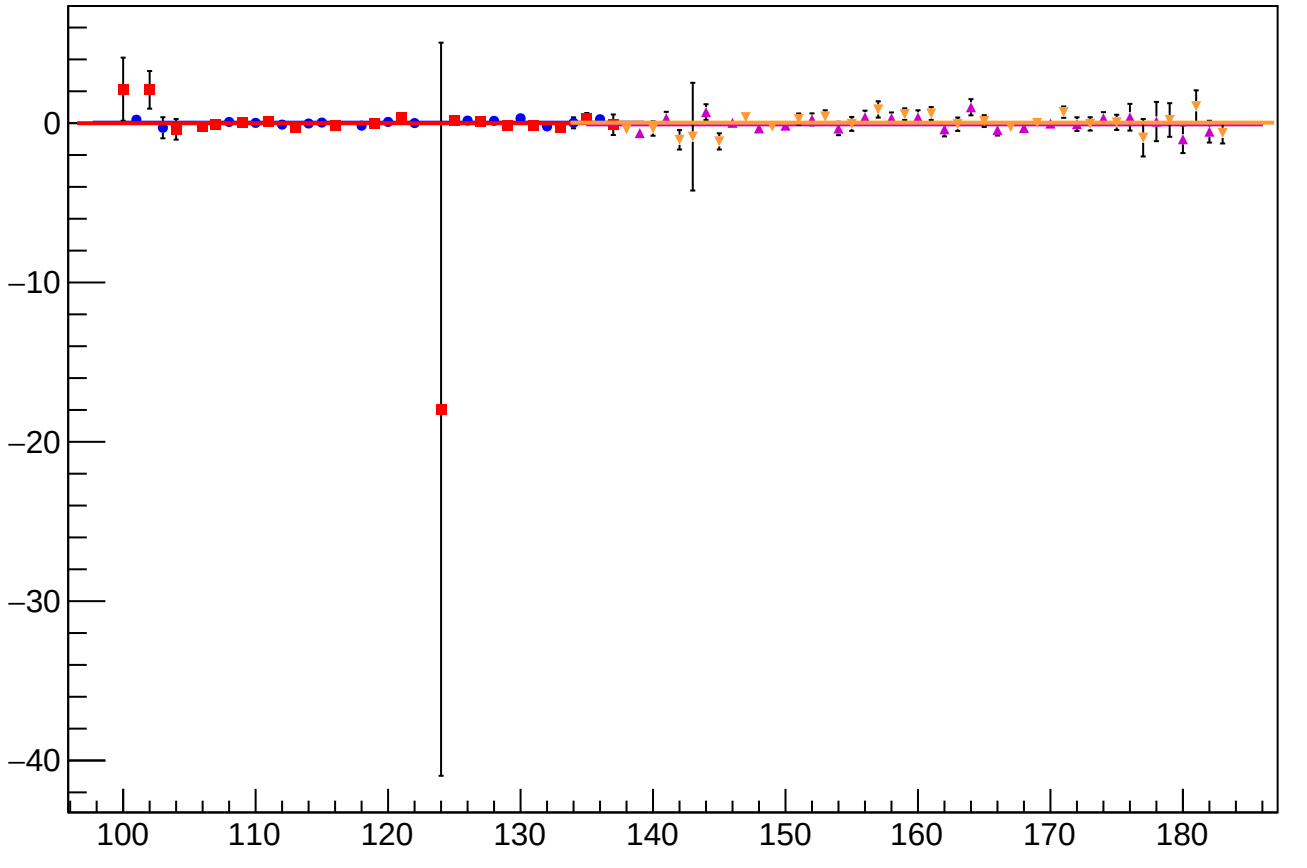
Left In: -0.000+/-0.000 χ^2/NDF:20.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/39

All: 0.000+/-0.000 χ^2/NDF: 81.7/80

- sign -0.000+/-0.000 χ^2/NDF: 51.5/40


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:9694819.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:2070688.7/21
+ sign 0.000+/-0.000 χ²/NDF: 14415773.5/39
All: 0.000+/-0.000 χ²/NDF: 27422652.2/80
- sign 0.000+/-0.000 χ²/NDF: 3422736.5/40



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

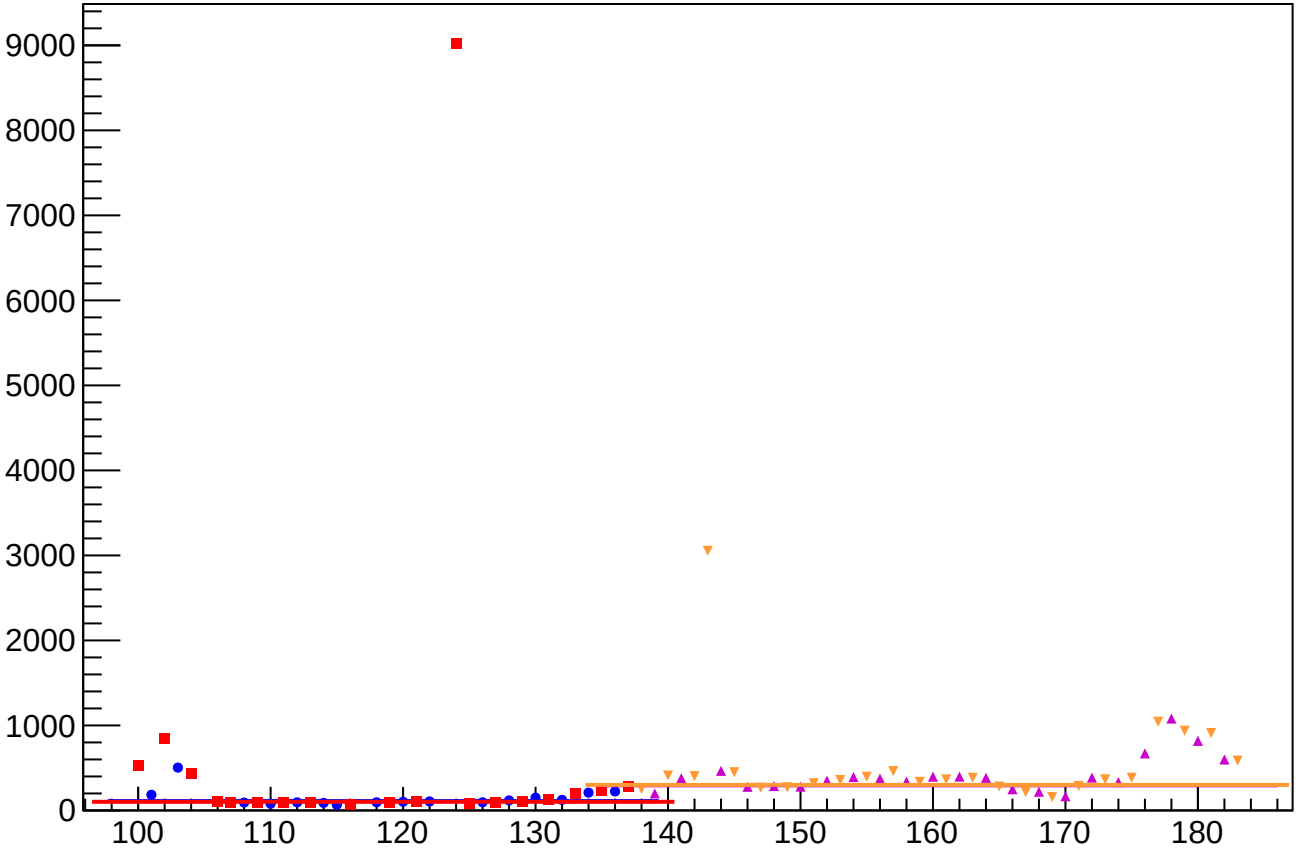
Left In: -0.077+/-0.076 χ^2/NDF:24.1/21

+ sign 0.029+/-0.039 χ^2/NDF: 37.9/39

All: 0.003+/-0.027 χ^2/NDF: 85.9/80

- sign -0.021+/-0.038 χ^2/NDF: 47.2/40

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 300.480+/-0.055 χ^2/NDF:6593282.3/23

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

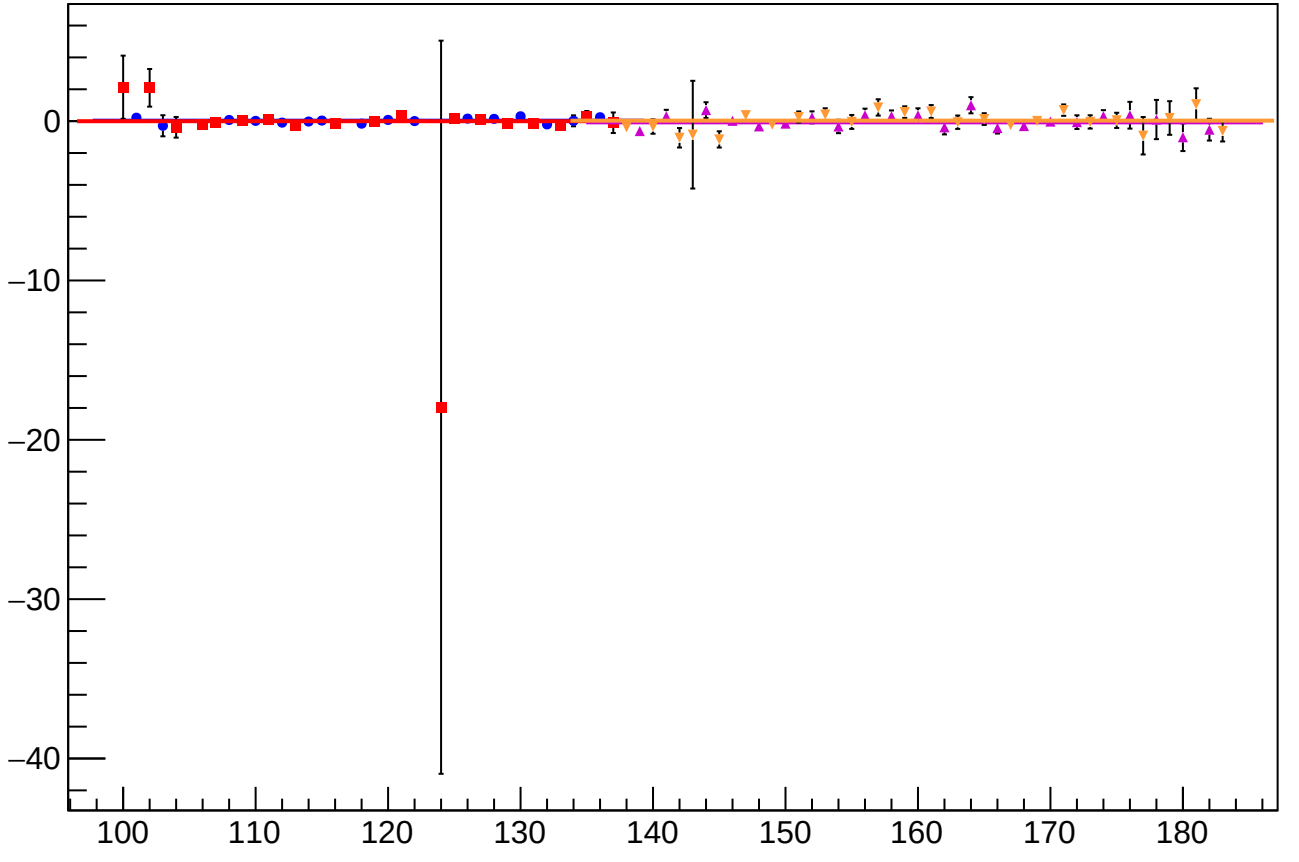
Left In: 295.457+/-0.054 χ^2/NDF:4801804.5/21

+ sign 158.840+/-0.028 χ^2/NDF: 17593165.5/39

All: 153.971+/-0.019 χ^2/NDF: 34841588.6/80

- sign 149.445+/-0.027 χ^2/NDF: 17188474.5/40

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

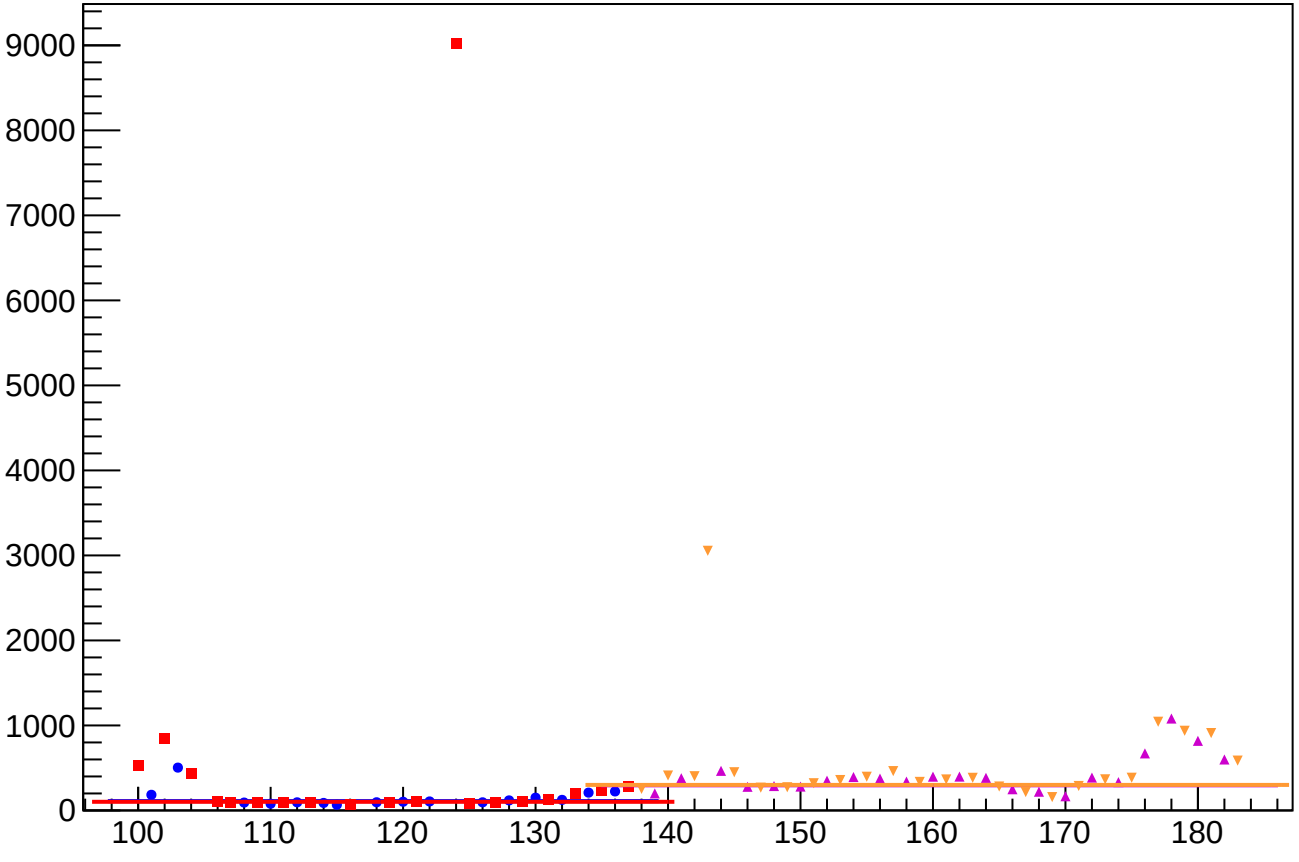
Left In: -0.077+/-0.076 χ^2/NDF:24.1/21

+ sign 0.029+/-0.039 χ^2/NDF: 37.9/39

All: 0.003+/-0.027 χ^2/NDF: 85.9/80

- sign -0.021+/-0.038 χ^2/NDF: 47.2/40

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 300.480+/-0.055 χ^2/NDF:6593282.3/23

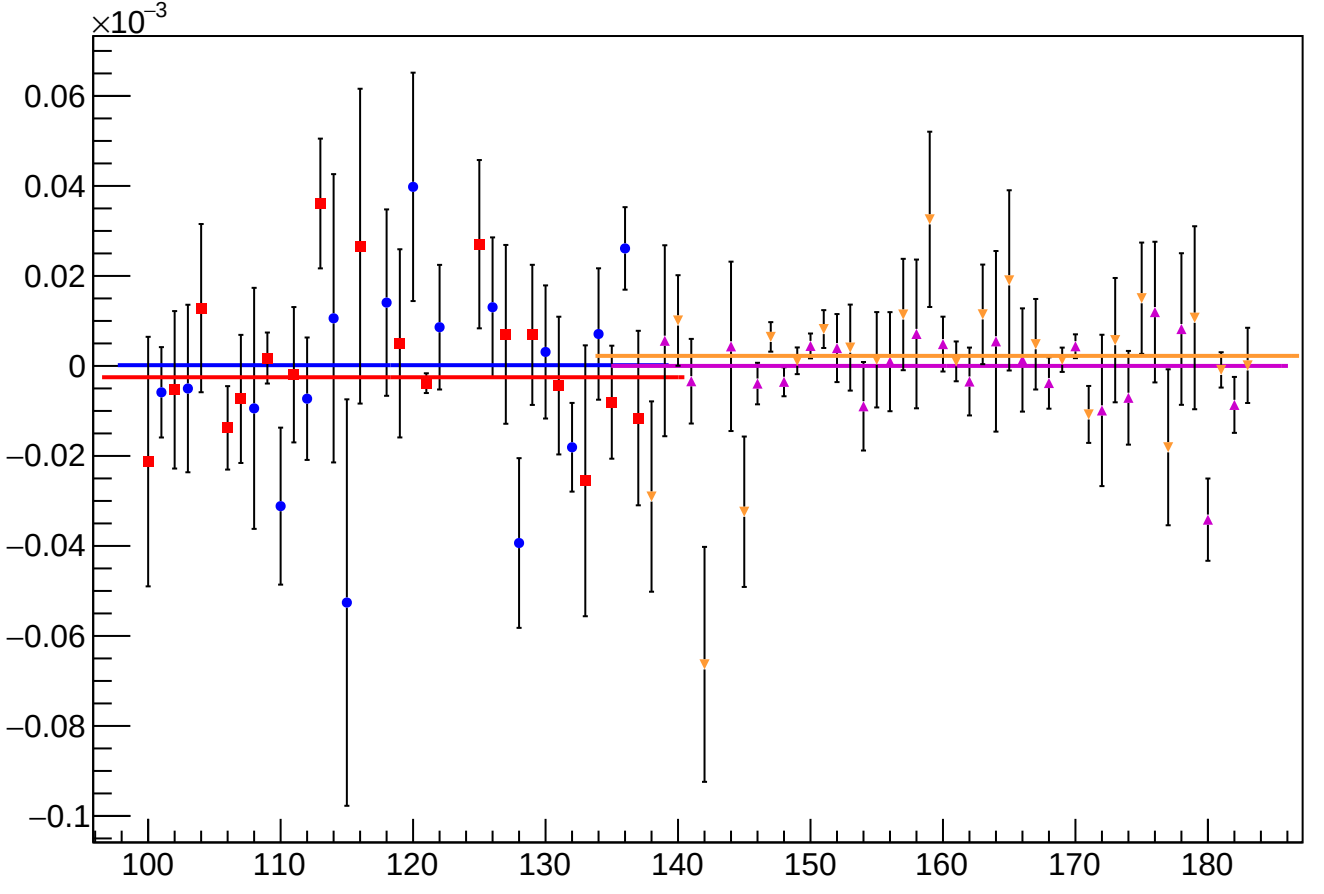
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 295.457+/-0.054 χ^2/NDF:4801804.5/21

+ sign 158.840+/-0.028 χ^2/NDF: 17593165.5/39

All: 153.971+/-0.019 χ^2/NDF: 34841588.6/80

- sign 149.445+/-0.027 χ^2/NDF: 17188474.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/22

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

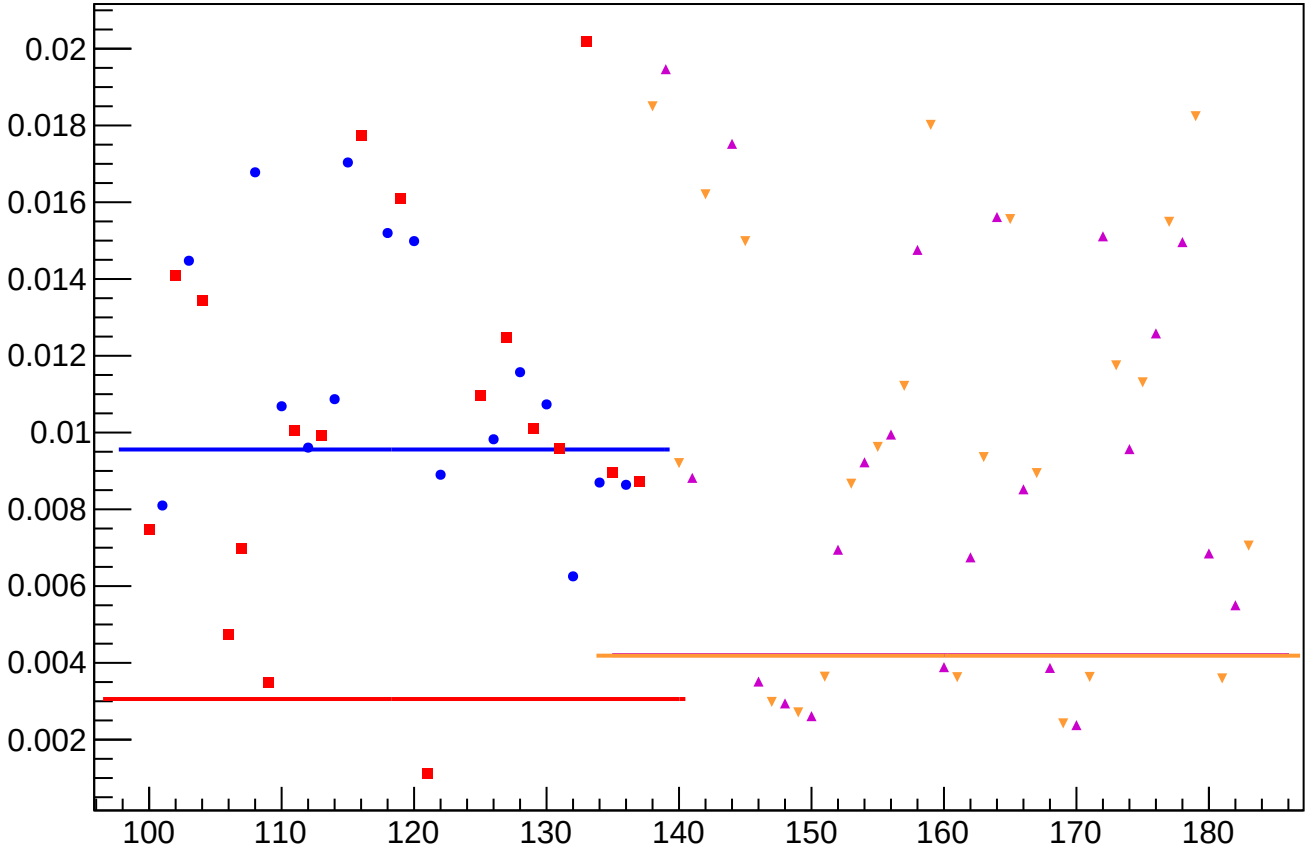
Left In: 0.000+/-0.000 χ^2/NDF:27.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/38

All: 0.000+/-0.000 χ^2/NDF: 103.9/78

- sign -0.000+/-0.000 χ^2/NDF: 44.8/39

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:11871607.4/22

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

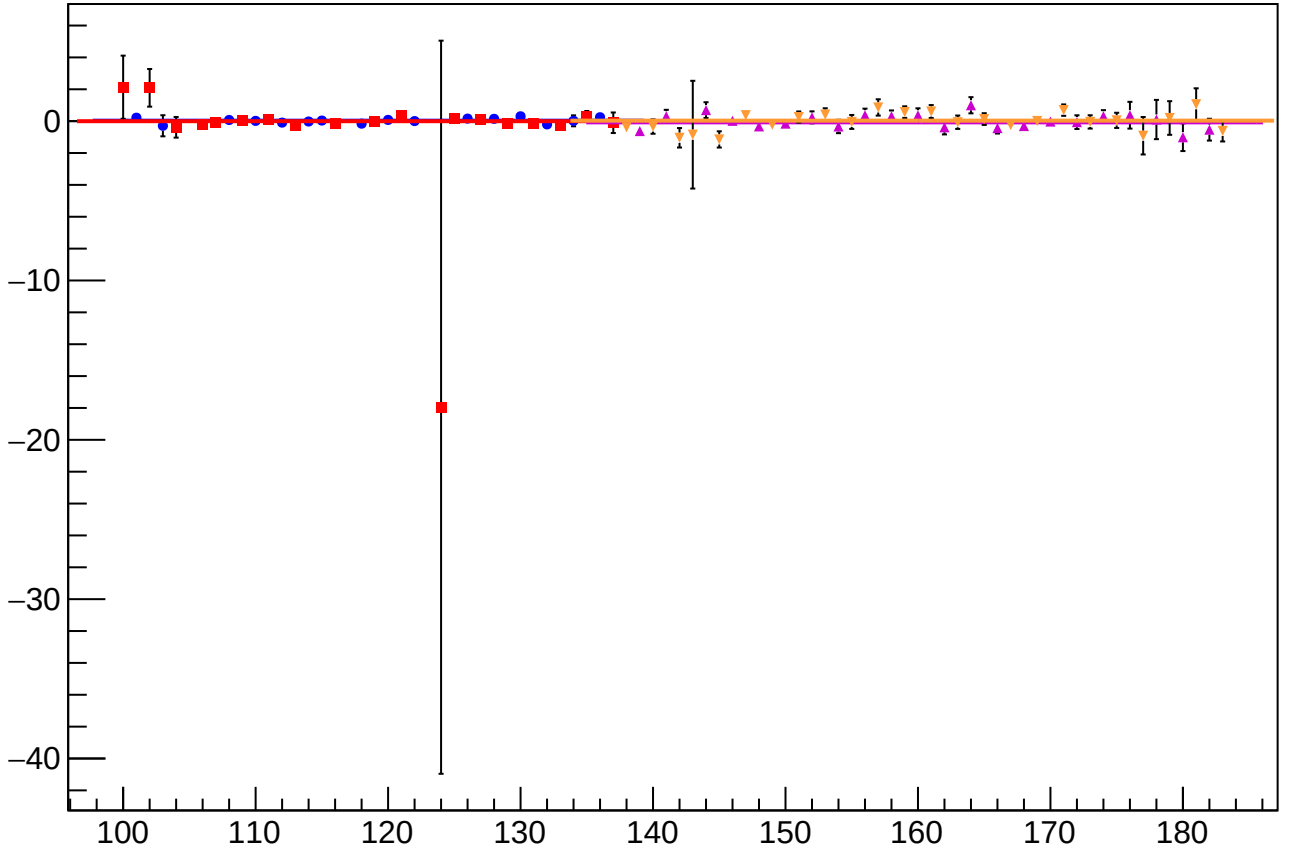
Left In: 0.004+/-0.000 χ^2/NDF:10817997.5/21

+ sign 0.005+/-0.000 χ^2/NDF: 16525103.0/38

All: 0.004+/-0.000 χ^2/NDF: 36643138.5/78

- sign 0.004+/-0.000 χ^2/NDF: 19467267.9/39

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

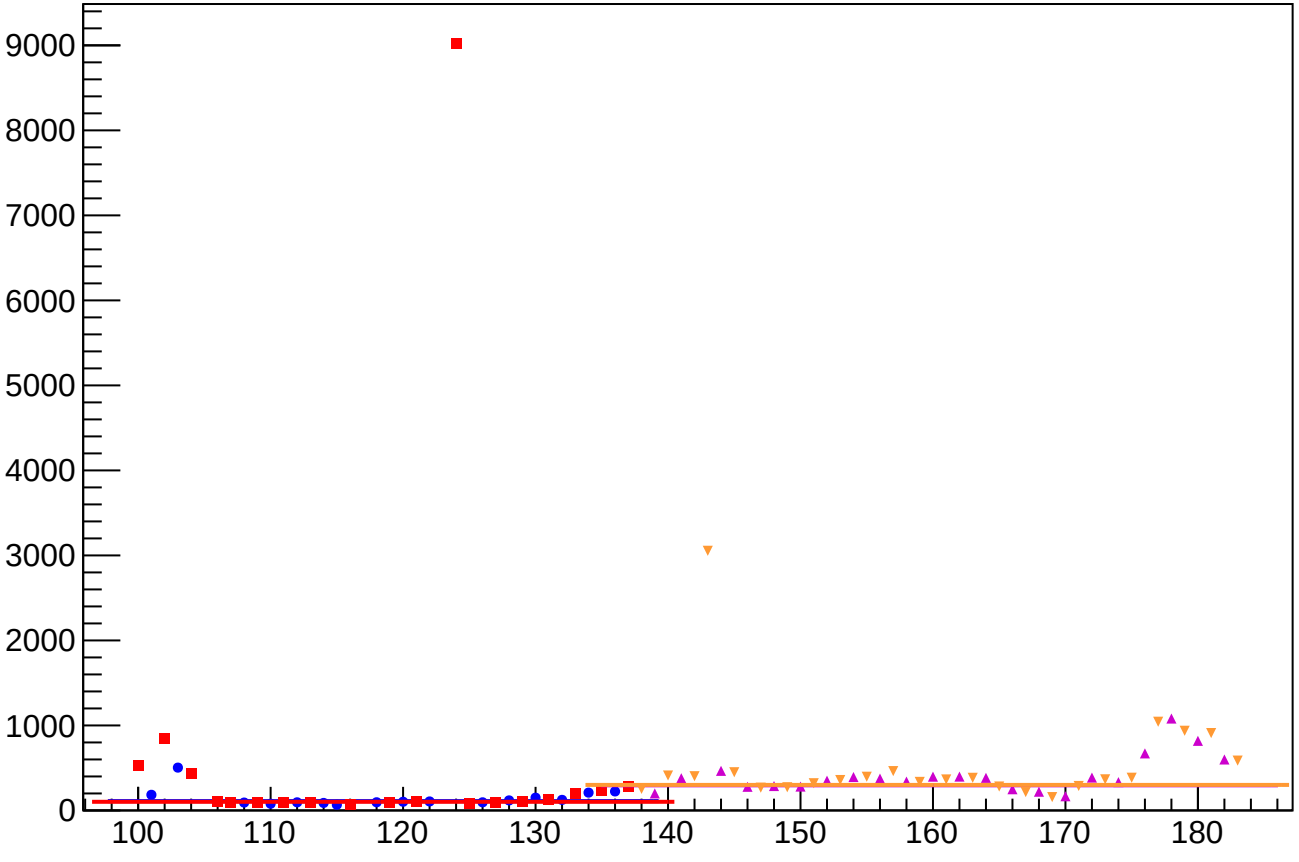
Left In: -0.077+/-0.076 χ^2/NDF:24.1/21

+ sign 0.029+/-0.039 χ^2/NDF: 37.9/39

All: 0.003+/-0.027 χ^2/NDF: 85.9/80

- sign -0.021+/-0.038 χ^2/NDF: 47.2/40

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 300.482+/-0.055 χ^2/NDF:6593339.4/23

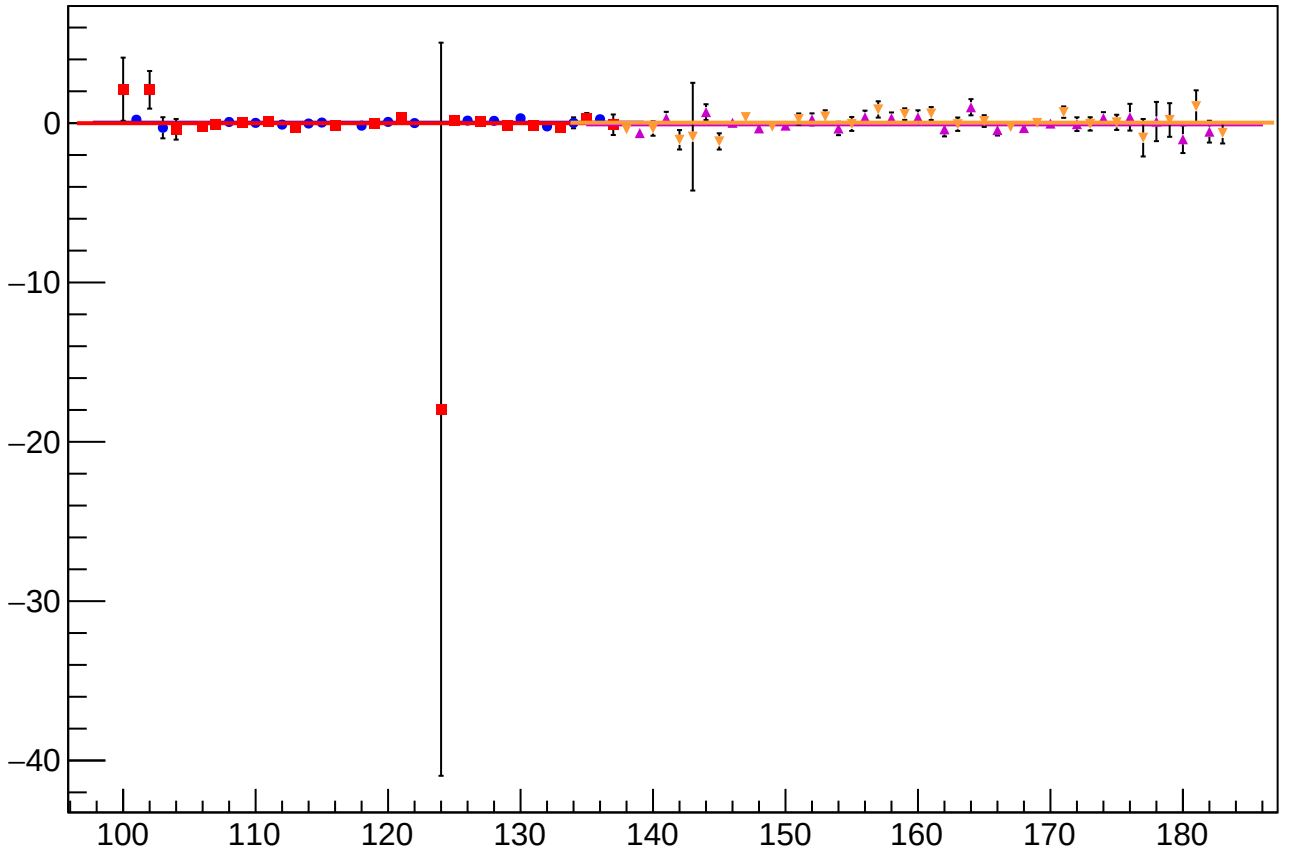
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 295.460+/-0.054 χ^2/NDF:4801760.3/21

+ sign 158.841+/-0.028 χ^2/NDF: 17593111.5/39

All: 153.973+/-0.019 χ^2/NDF: 34841400.7/80

- sign 149.447+/-0.027 χ^2/NDF: 17188348.5/40



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

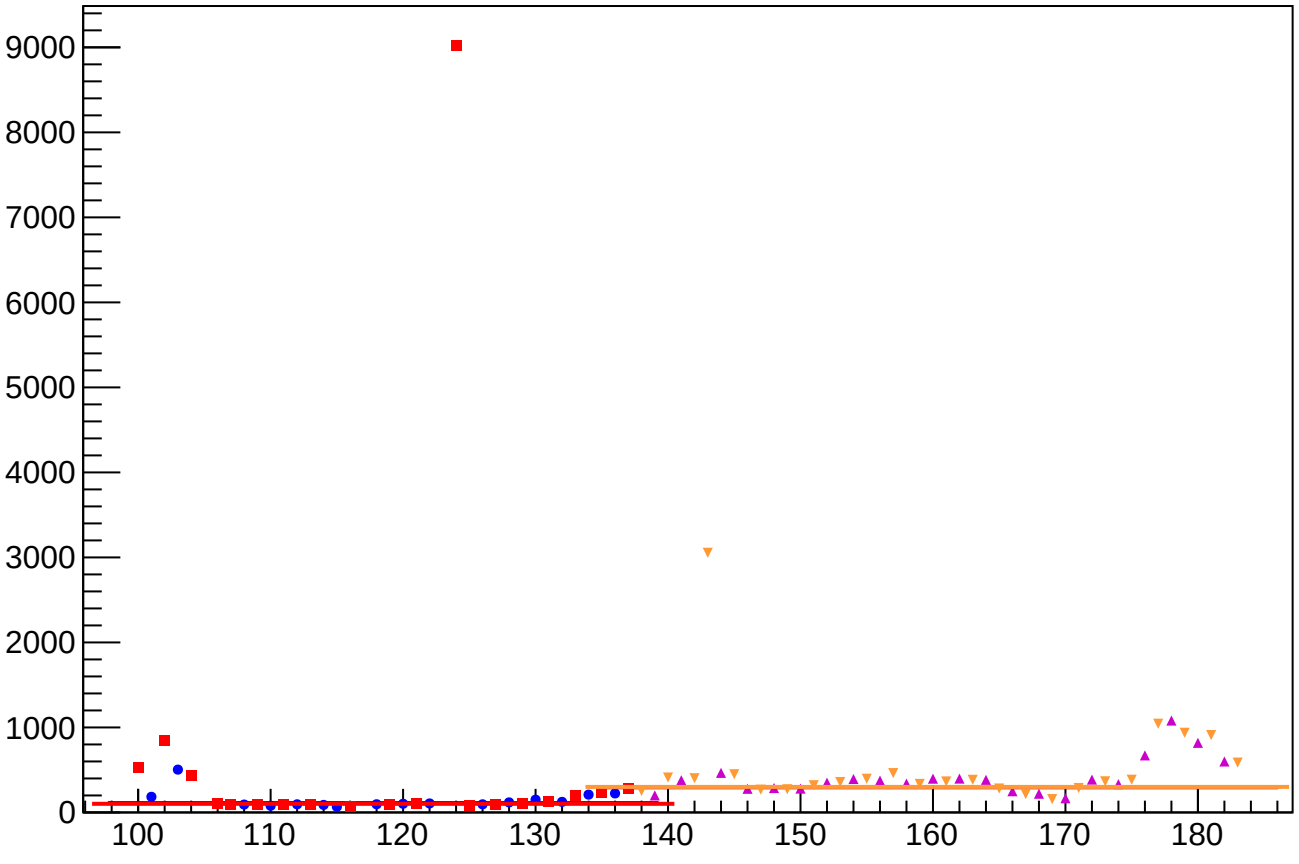
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.077+/-0.076 χ^2/NDF:24.1/21

+ sign 0.029+/-0.039 χ^2/NDF: 37.9/39

All: 0.003+/-0.027 χ^2/NDF: 85.9/80

- sign -0.021+/-0.038 χ^2/NDF: 47.2/40



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 300.482+/-0.055 χ^2/NDF:6593339.4/23

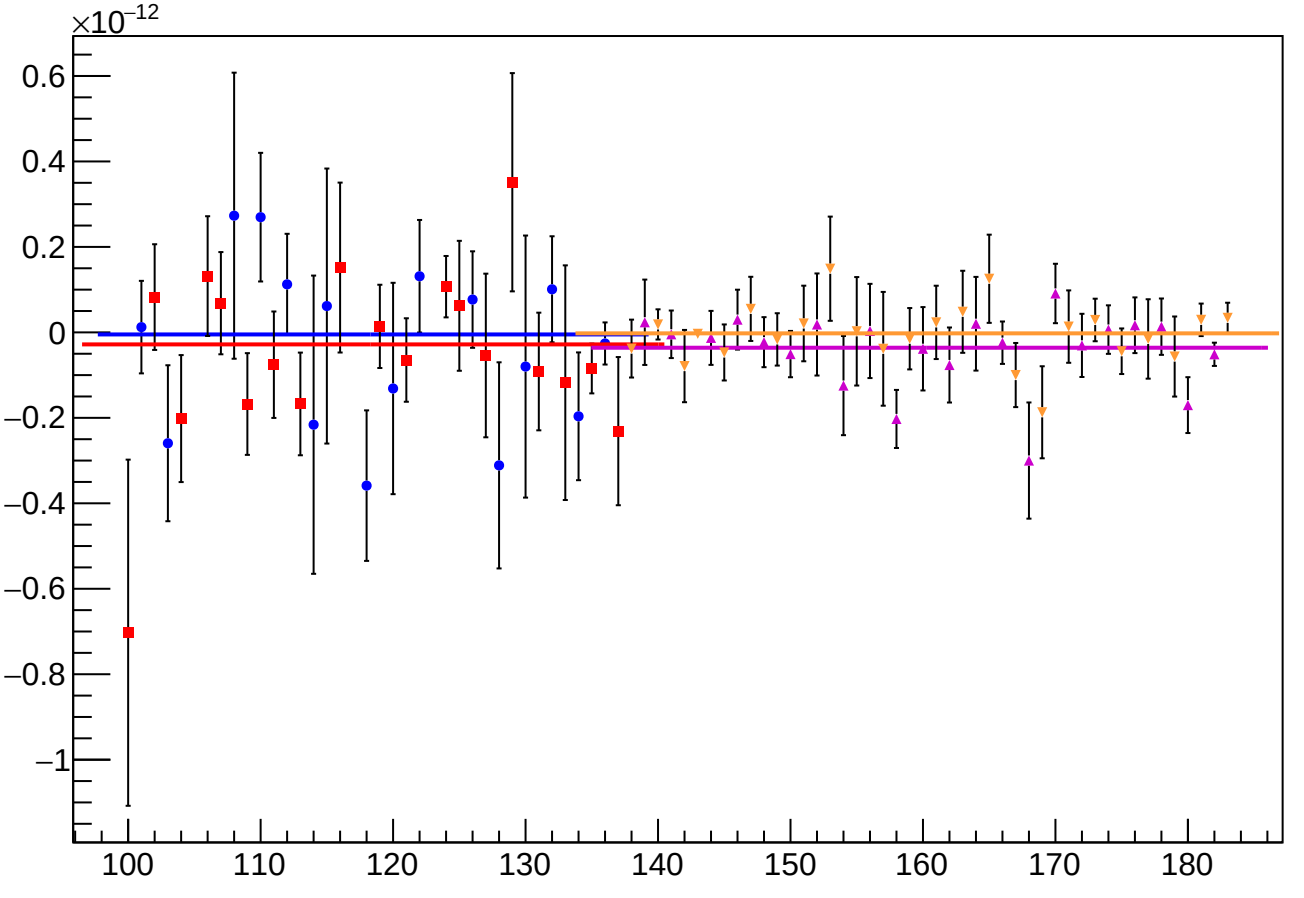
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 295.460+/-0.054 χ^2/NDF:4801760.3/21

+ sign 158.841+/-0.028 χ^2/NDF: 17593111.5/39

All: 153.973+/-0.019 χ^2/NDF: 34841400.7/80

- sign 149.447+/-0.027 χ^2/NDF: 17188348.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/23

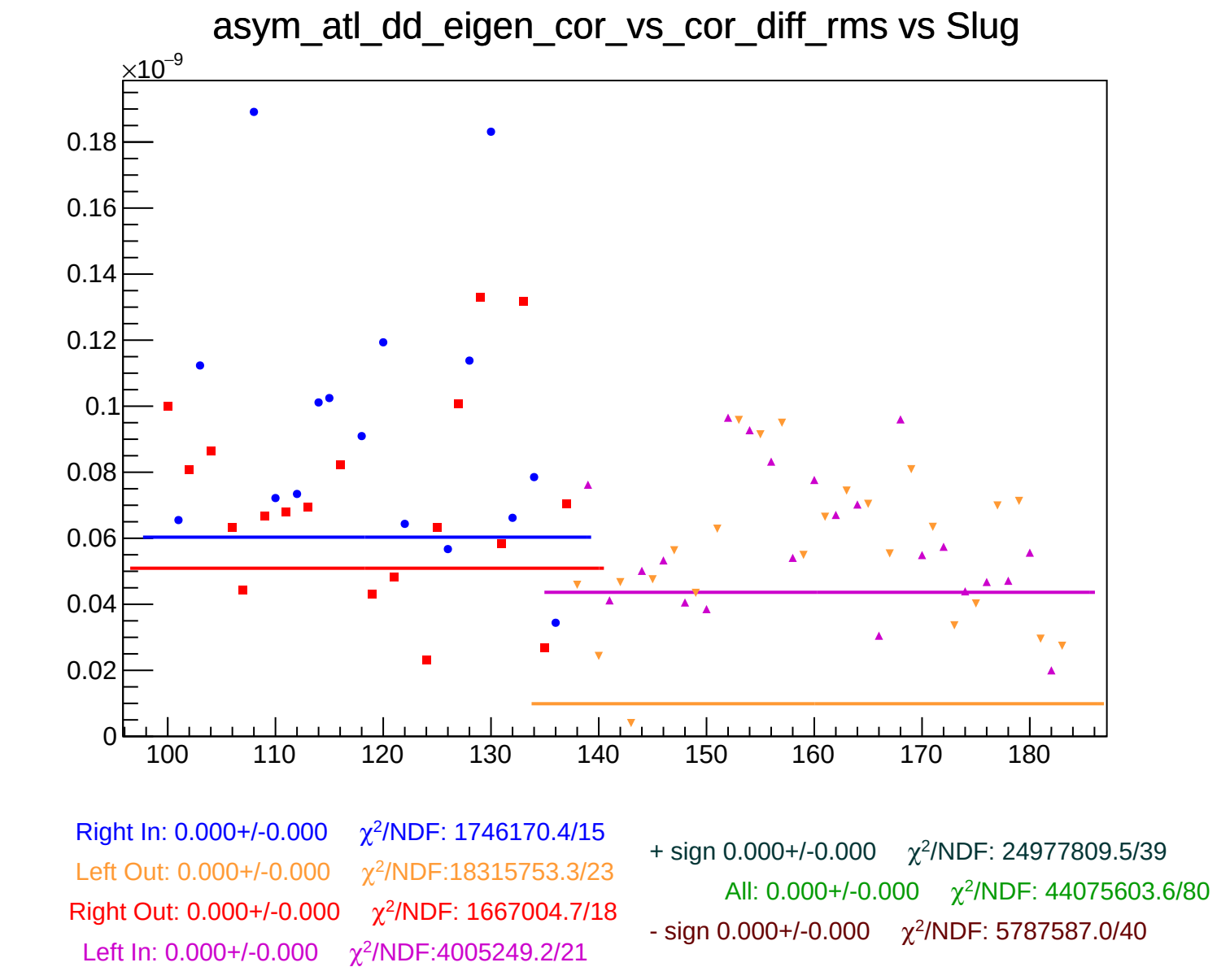
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

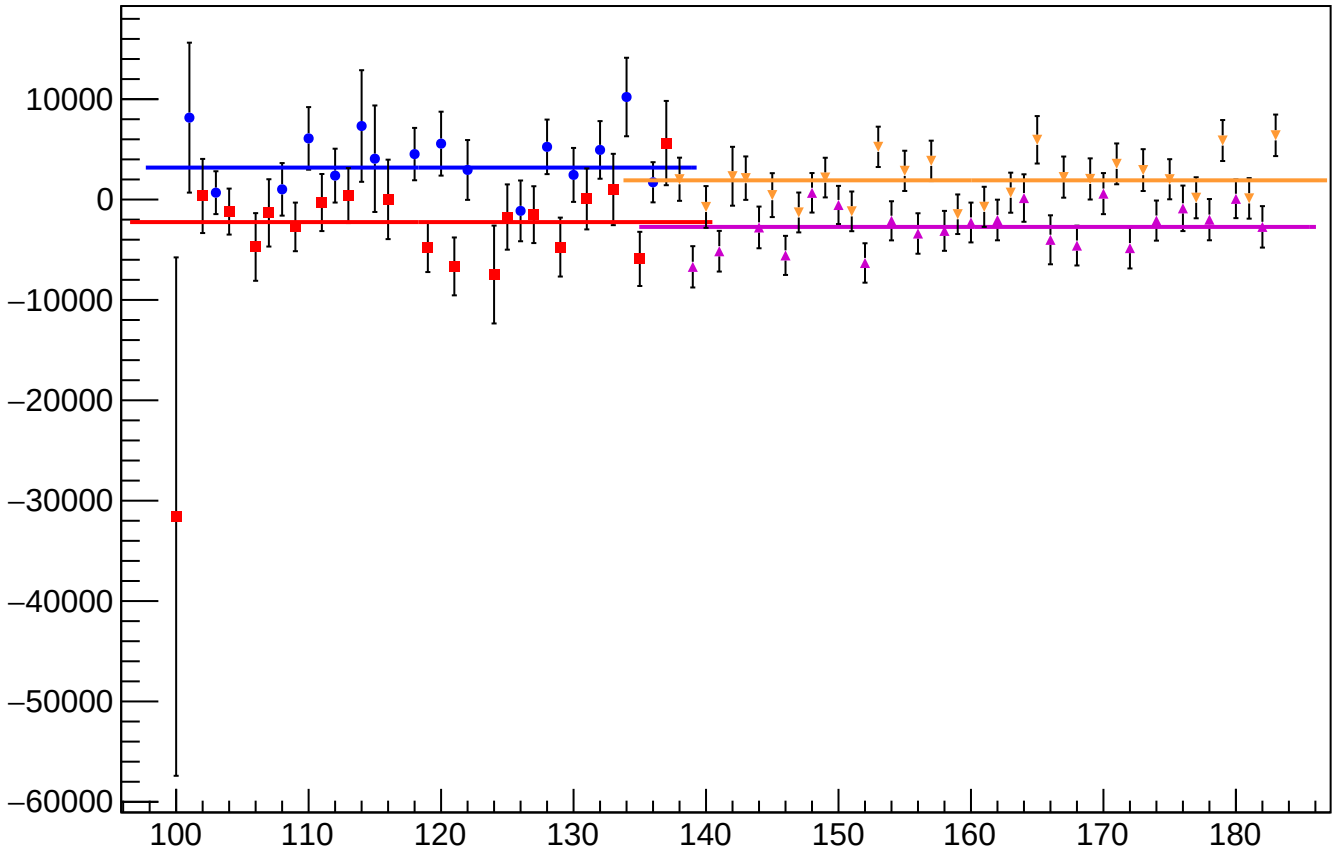
Left In: -0.000+/-0.000 χ^2/NDF:22.7/21

+ sign -0.000+/-0.000 χ^2/NDF: 31.5/39

All: -0.000+/-0.000 χ^2/NDF: 79.8/80

- sign -0.000+/-0.000 χ^2/NDF: 42.4/40


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:18315753.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:4005249.2/21
+ sign 0.000+/-0.000 χ²/NDF: 24977809.5/39
All: 0.000+/-0.000 χ²/NDF: 44075603.6/80
- sign 0.000+/-0.000 χ²/NDF: 5787587.0/40



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1913.457+/-422.934 χ^2/NDF:30.0/23

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

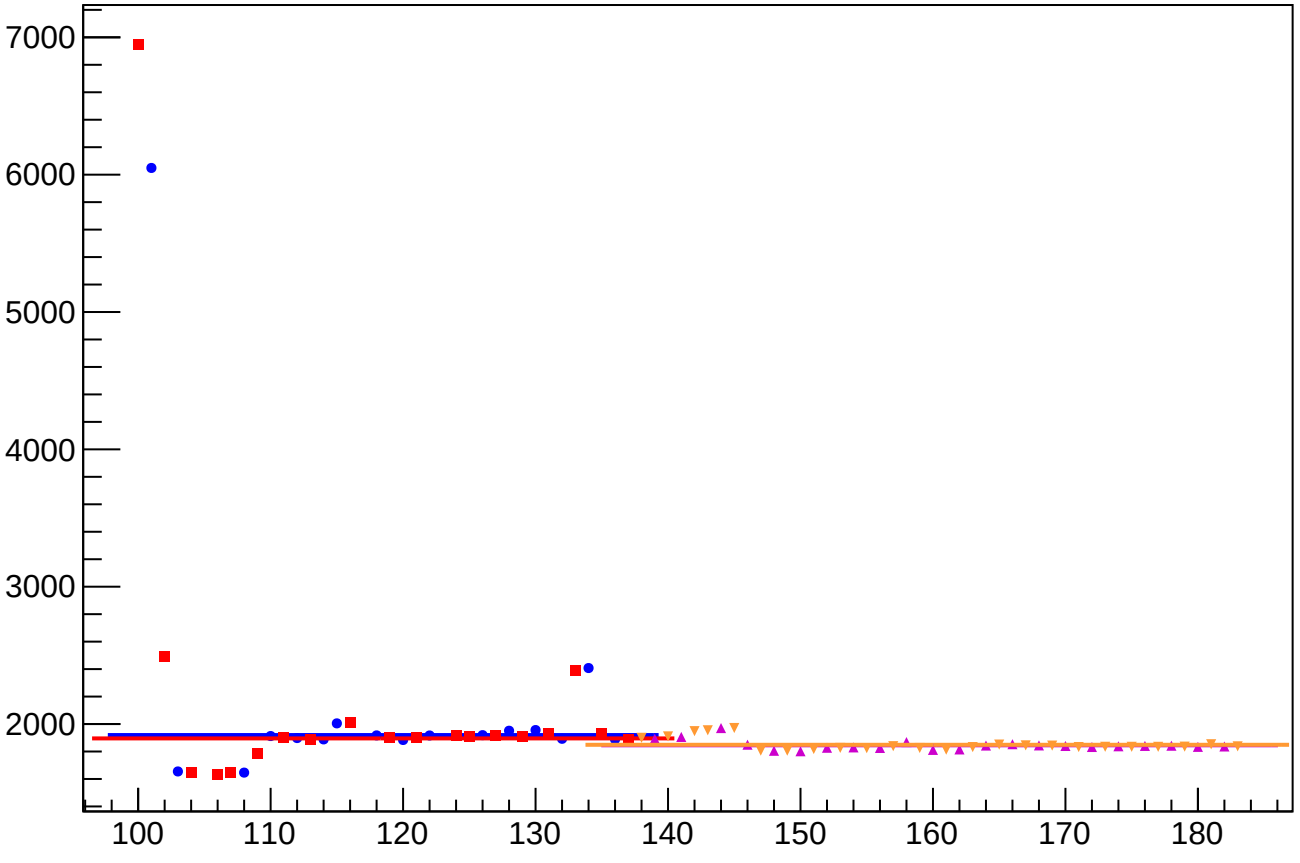
Left In: -2727.712+/-434.423 χ^2/NDF:24.7/21

+ sign 2231.938+/-366.095 χ^2/NDF: 43.9/39

All: -152.291+/-260.478 χ^2/NDF: 171.4/80

- sign -2596.755+/-370.690 χ^2/NDF: 41.5/40

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1848.902+/-0.299 χ^2/NDF:20769.8/23

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

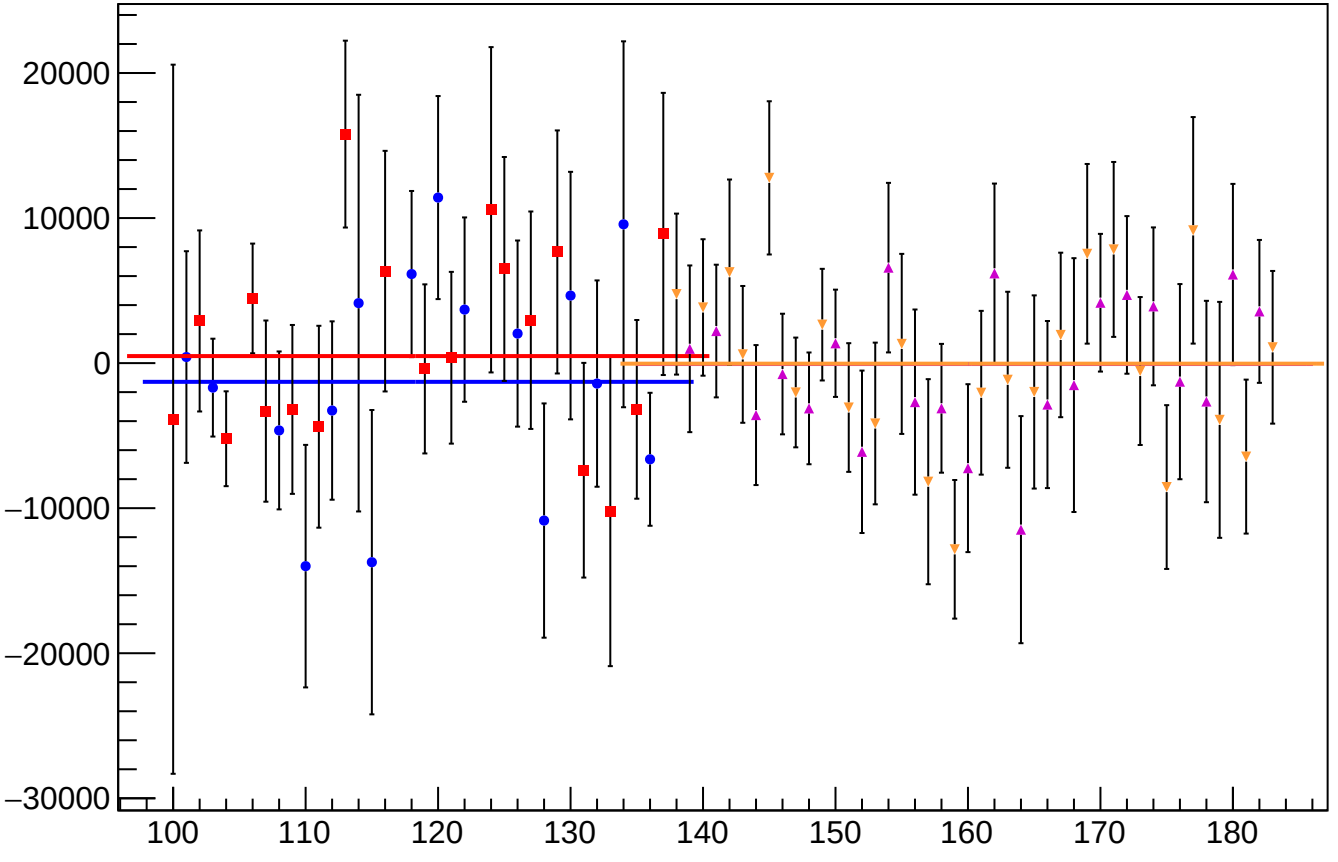
Left In: 1845.111+/-0.307 χ^2/NDF:14024.3/21

+ sign 1866.684+/-0.259 χ^2/NDF: 732203.4/39

All: 1862.809+/-0.184 χ^2/NDF: 976267.5/80

- sign 1858.843+/-0.262 χ^2/NDF: 243610.6/40

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -38.577+/-1096.395 χ^2/NDF:27.6/23

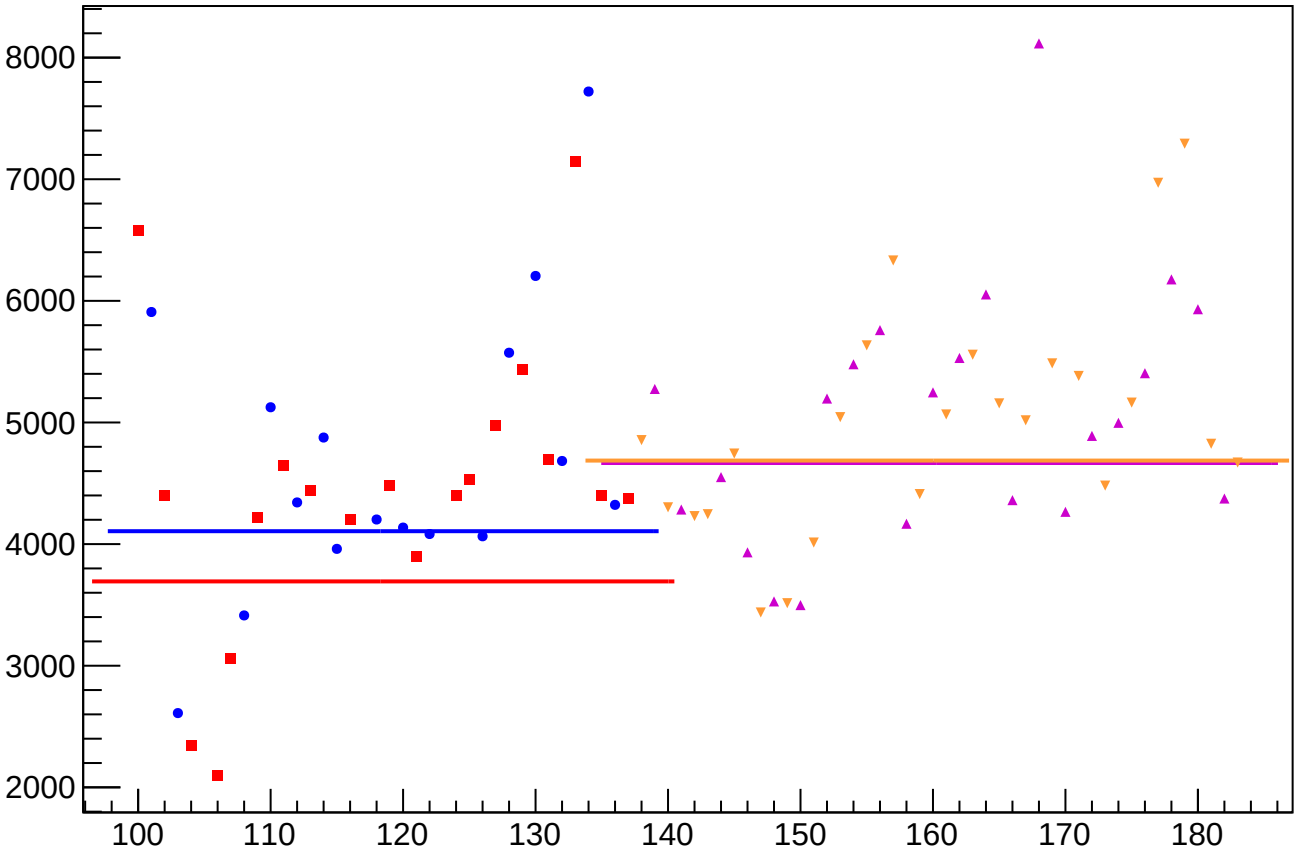
Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: -62.571+/-1122.926 χ^2/NDF:13.5/21

\+ sign -443.593+/-901.770 χ^2/NDF: 42.3/39

All: -143.732+/-631.606 χ^2/NDF: 73.3/80

\- sign 145.028+/-884.921 χ^2/NDF: 30.8/40



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4686.783+/-0.775 χ^2/NDF:1185042.0/23

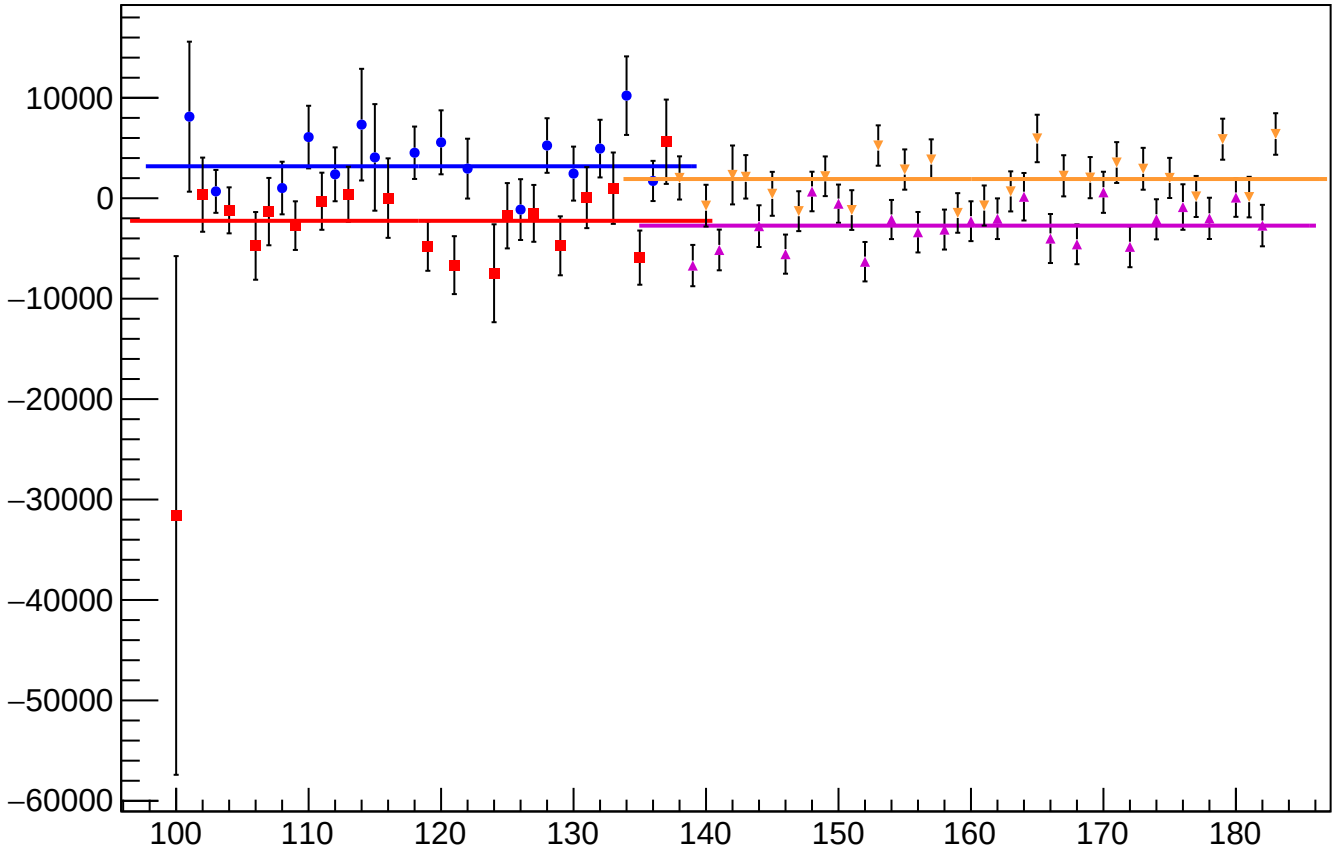
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4666.837+/-0.794 χ^2/NDF:1285628.2/21

+ sign 4498.936+/-0.638 χ^2/NDF: 2322643.6/39

All: 4396.509+/-0.447 χ^2/NDF: 5585305.2/80

- sign 4297.874+/-0.626 χ^2/NDF: 3212011.5/40



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1913.363+/-422.934 χ^2/NDF:30.0/23

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

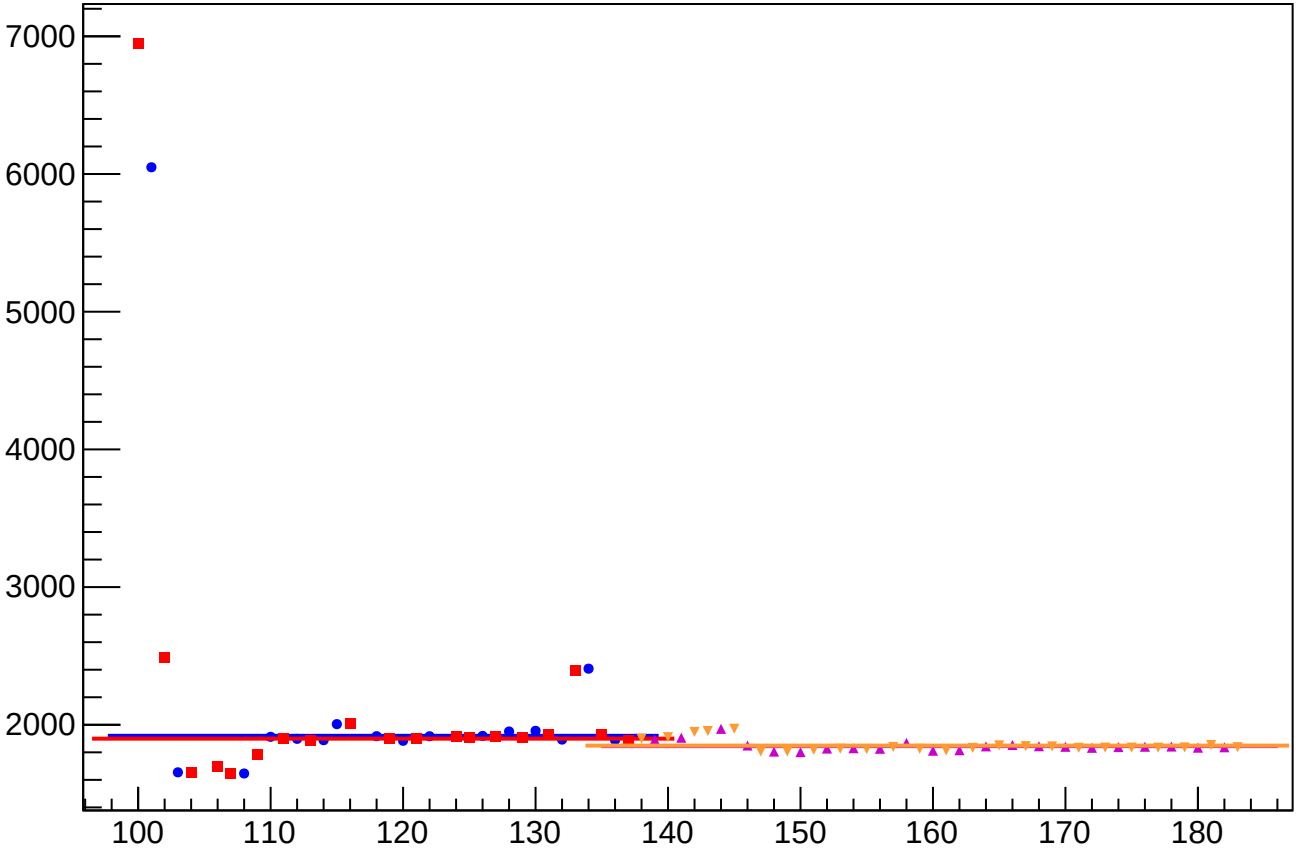
Left In: -2727.682+/-434.423 χ^2/NDF:24.7/21

+ sign 2231.684+/-366.095 χ^2/NDF: 43.9/39

All: -152.558+/-260.478 χ^2/NDF: 171.4/80

- sign -2597.043+/-370.691 χ^2/NDF: 41.5/40

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1848.902+/-0.299 χ^2/NDF:20769.8/23

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

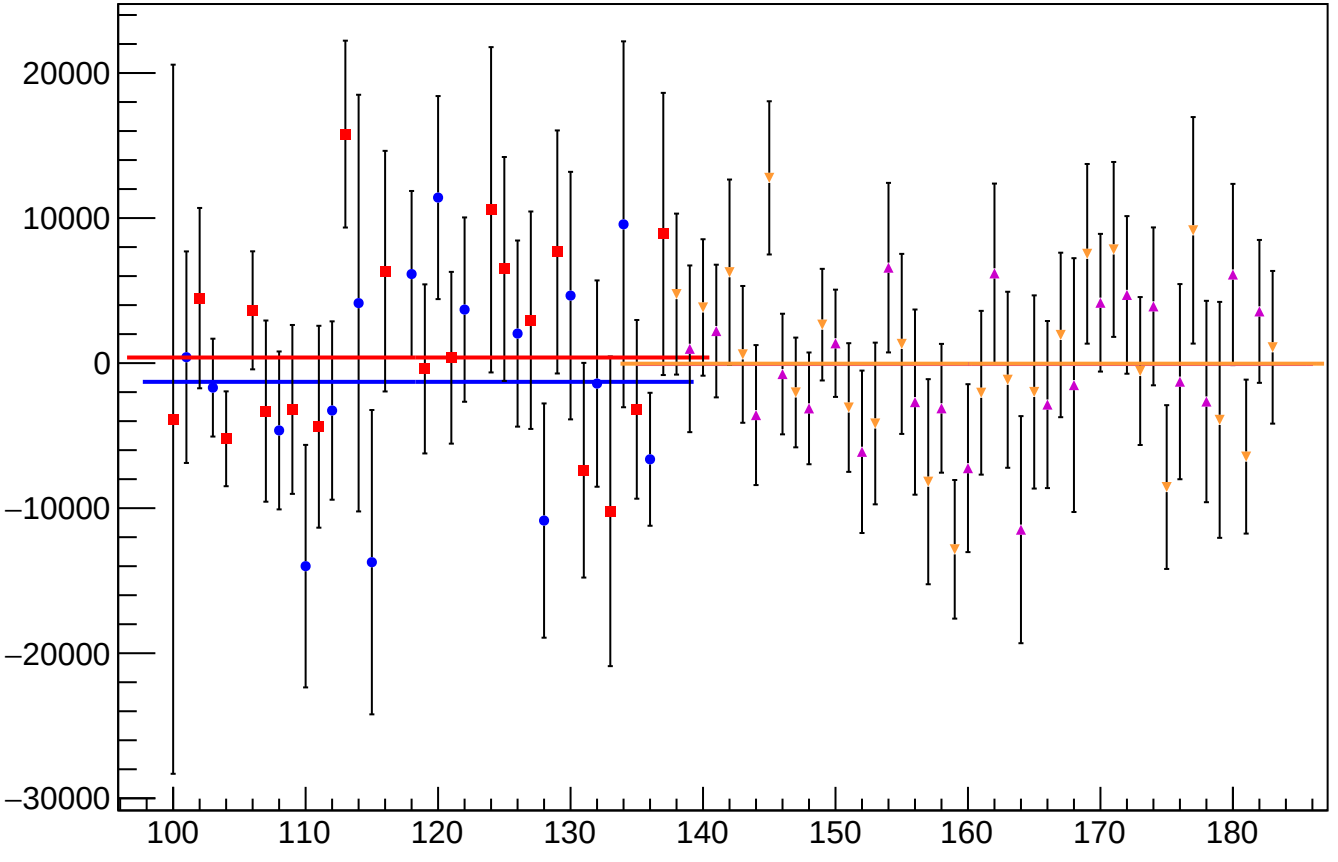
Left In: 1845.111+/-0.307 χ^2/NDF:14024.3/21

+ sign 1866.684+/-0.259 χ^2/NDF: 732202.7/39

All: 1863.331+/-0.184 χ^2/NDF: 970721.0/80

- sign 1859.896+/-0.262 χ^2/NDF: 238178.7/40

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -38.596+/-1096.393 χ^2/NDF:27.6/23

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

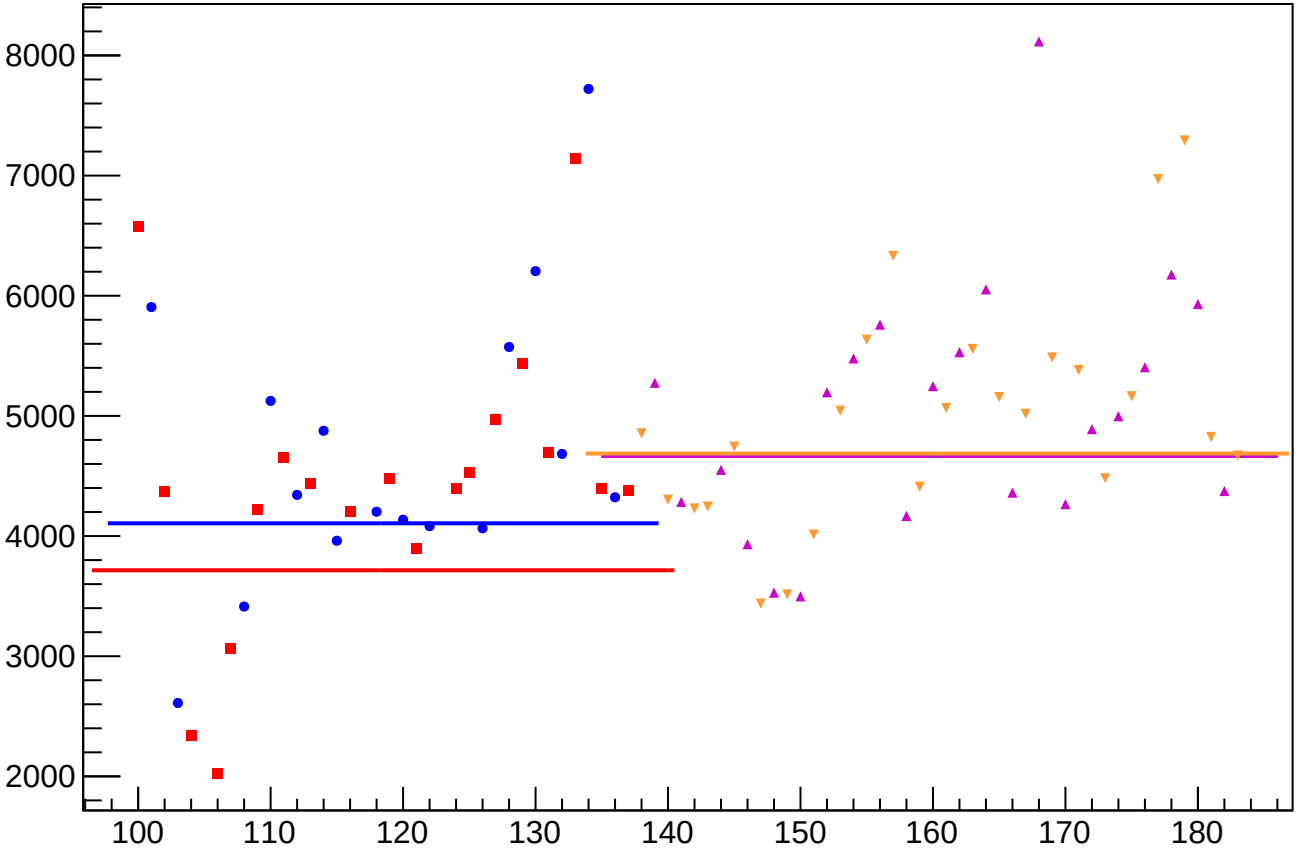
Left In: -62.541+/-1122.927 χ^2/NDF:13.5/21

+ sign -443.723+/-901.769 χ^2/NDF: 42.3/39

All: -164.684+/-632.785 χ^2/NDF: 73.0/80

- sign 106.005+/-888.173 χ^2/NDF: 30.5/40

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4686.774+/-0.775 χ^2/NDF:1185067.4/23

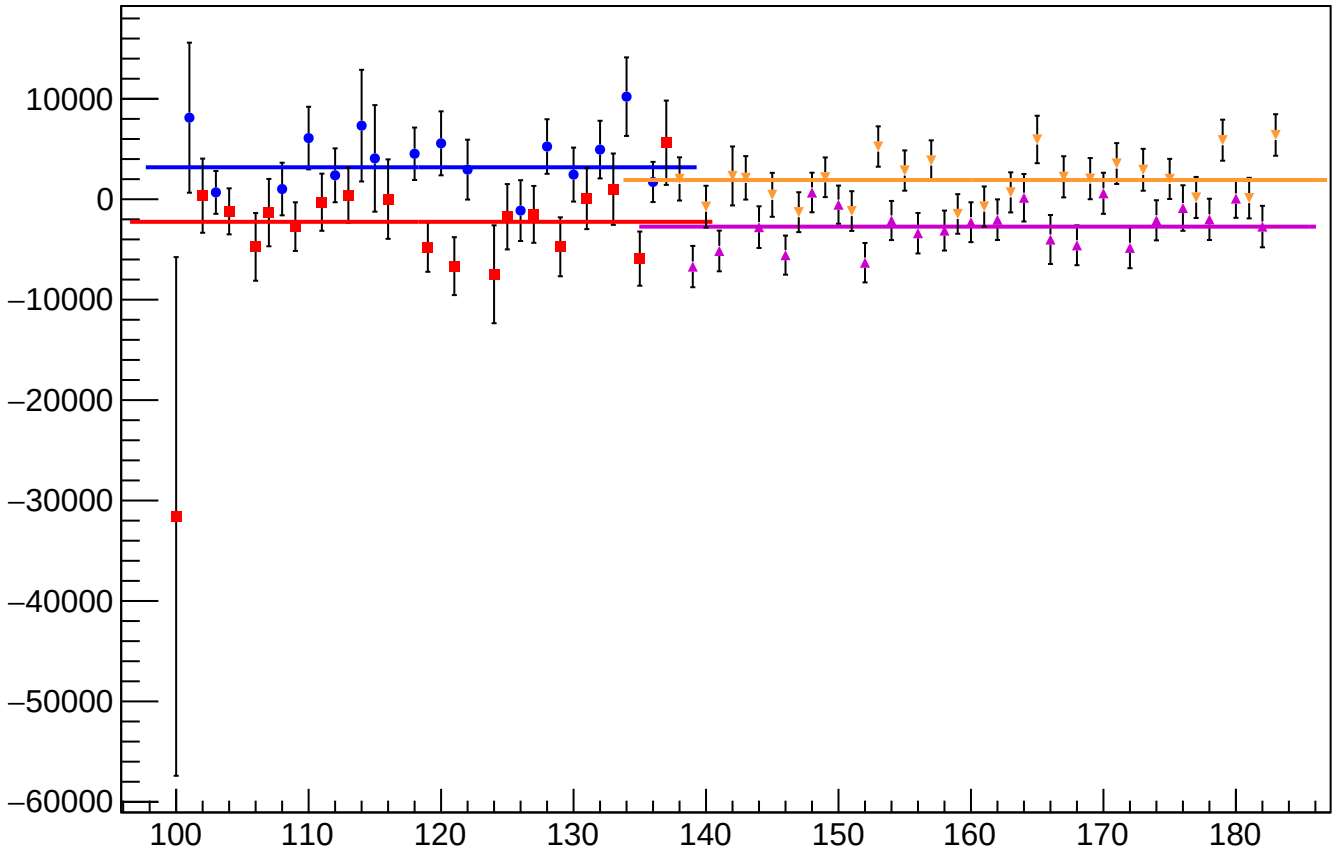
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4666.839+/-0.794 χ^2/NDF:1285624.4/21

+ sign 4498.961+/-0.638 χ^2/NDF: 2322106.5/39

All: 4403.319+/-0.447 χ^2/NDF: 5524942.4/80

- sign 4310.540+/-0.628 χ^2/NDF: 3158514.3/40



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1913.363+/-422.934 χ^2/NDF:30.0/23

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

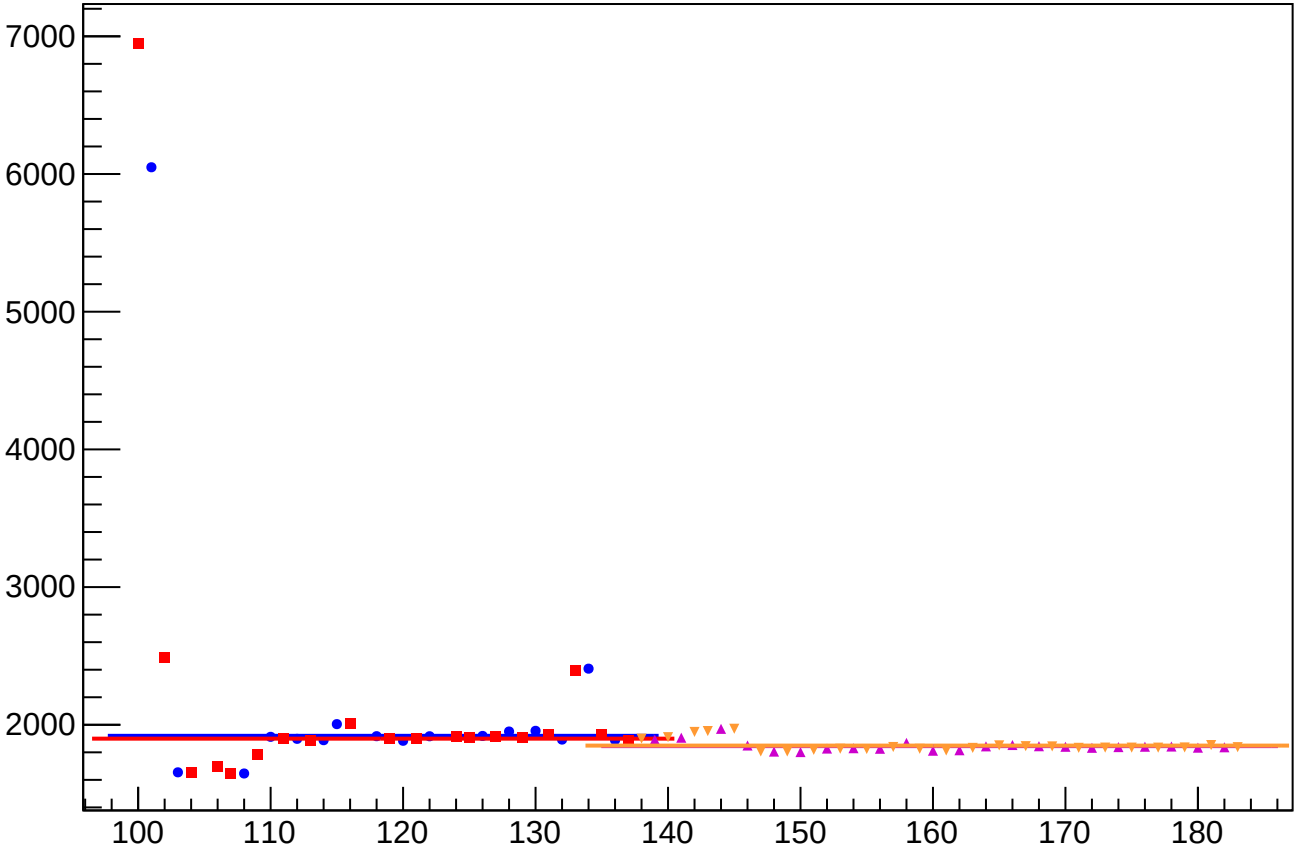
Left In: -2727.682+/-434.423 χ^2/NDF:24.7/21

+ sign 2231.684+/-366.095 χ^2/NDF: 43.9/39

All: -152.558+/-260.478 χ^2/NDF: 171.4/80

- sign -2597.043+/-370.691 χ^2/NDF: 41.5/40

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1848.902+/-0.299 χ^2/NDF:20769.8/23

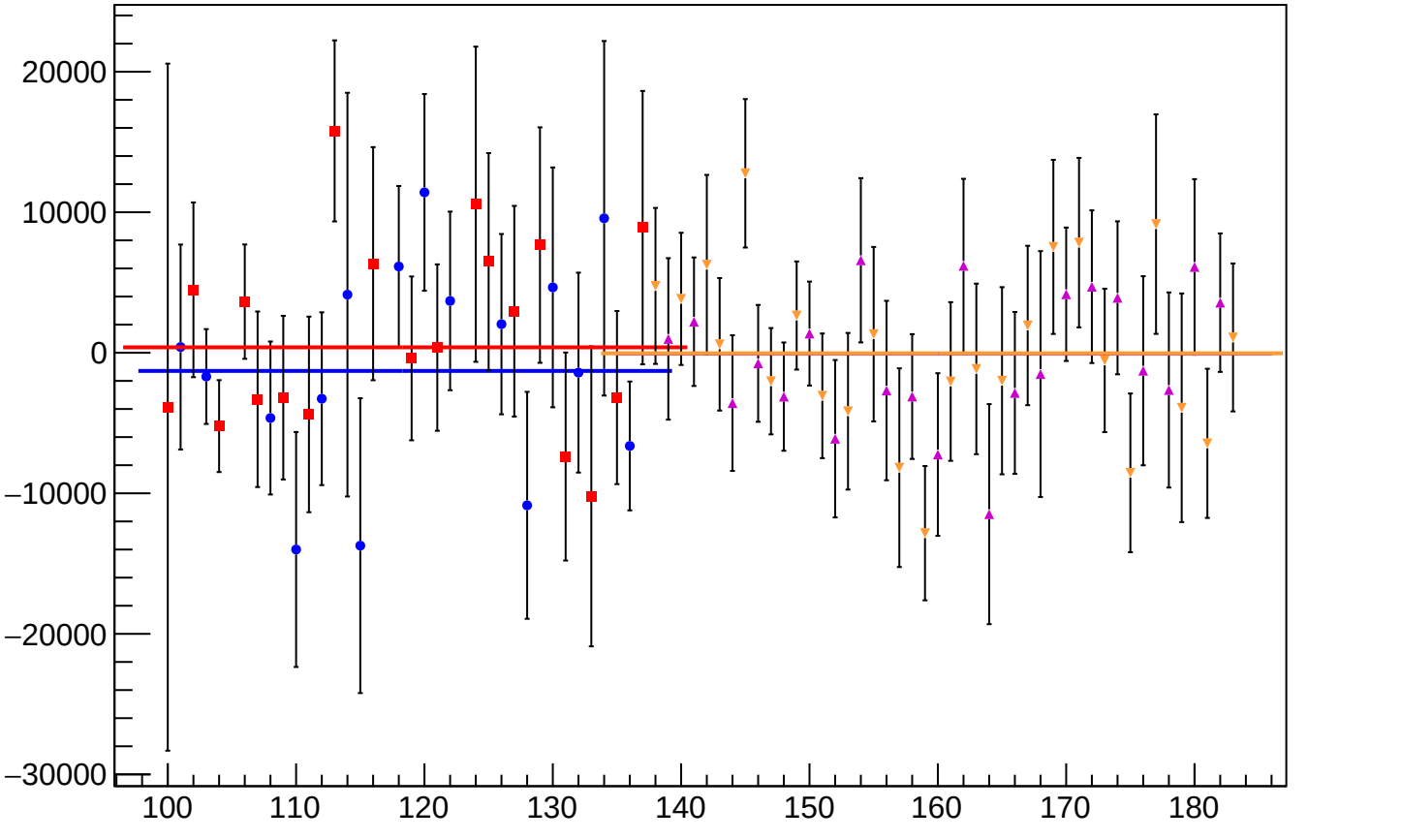
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.111+/-0.307 χ^2/NDF:14024.3/21

+ sign 1866.684+/-0.259 χ^2/NDF: 732202.7/39

All: 1863.331+/-0.184 χ^2/NDF: 970721.0/80

- sign 1859.896+/-0.262 χ^2/NDF: 238178.7/40



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -38.596+/-1096.393 χ^2/NDF:27.6/23

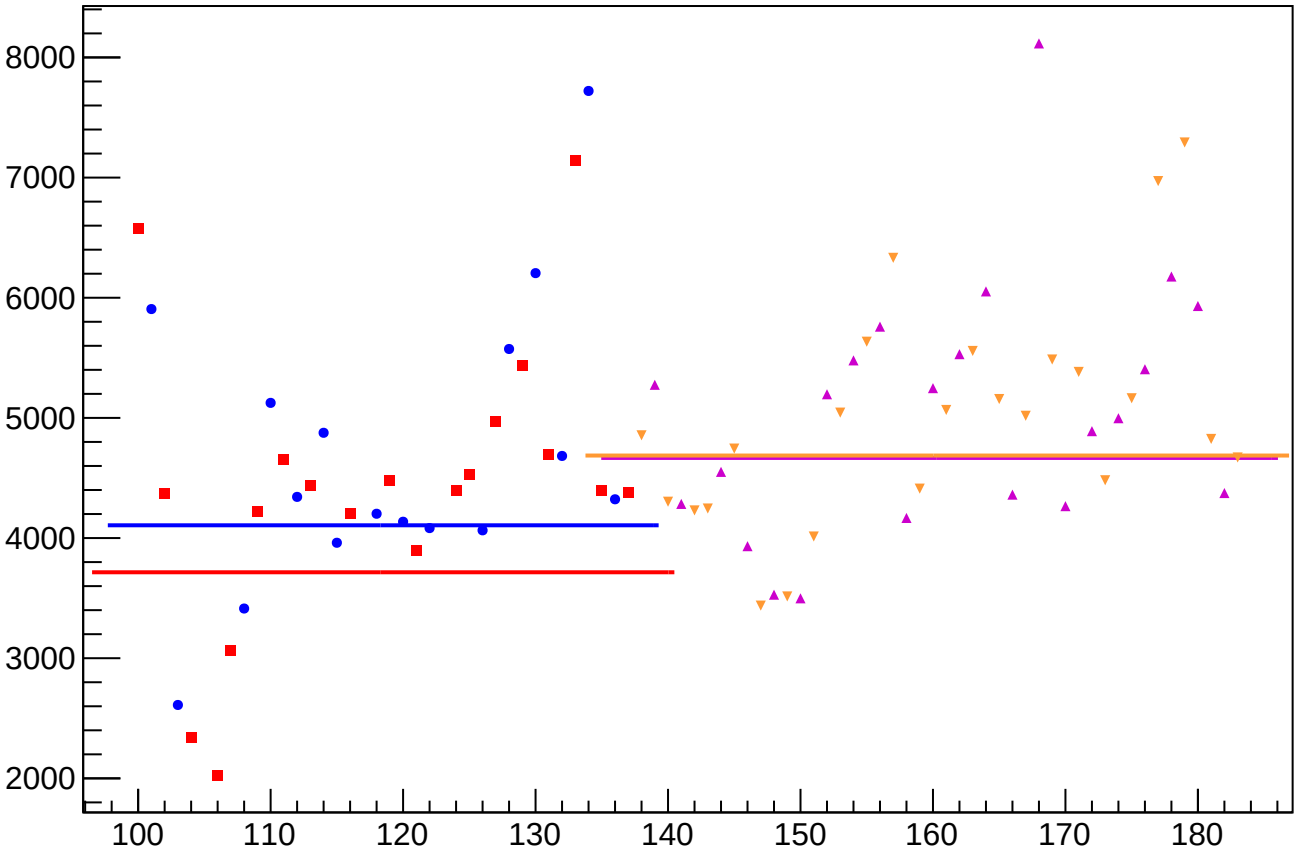
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -62.541+/-1122.927 χ^2/NDF:13.5/21

\+ sign -443.723+/-901.769 χ^2/NDF: 42.3/39

All: -164.684+/-632.785 χ^2/NDF: 73.0/80

\- sign 106.005+/-888.173 χ^2/NDF: 30.5/40



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4686.774+/-0.775 χ^2/NDF:1185067.4/23

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

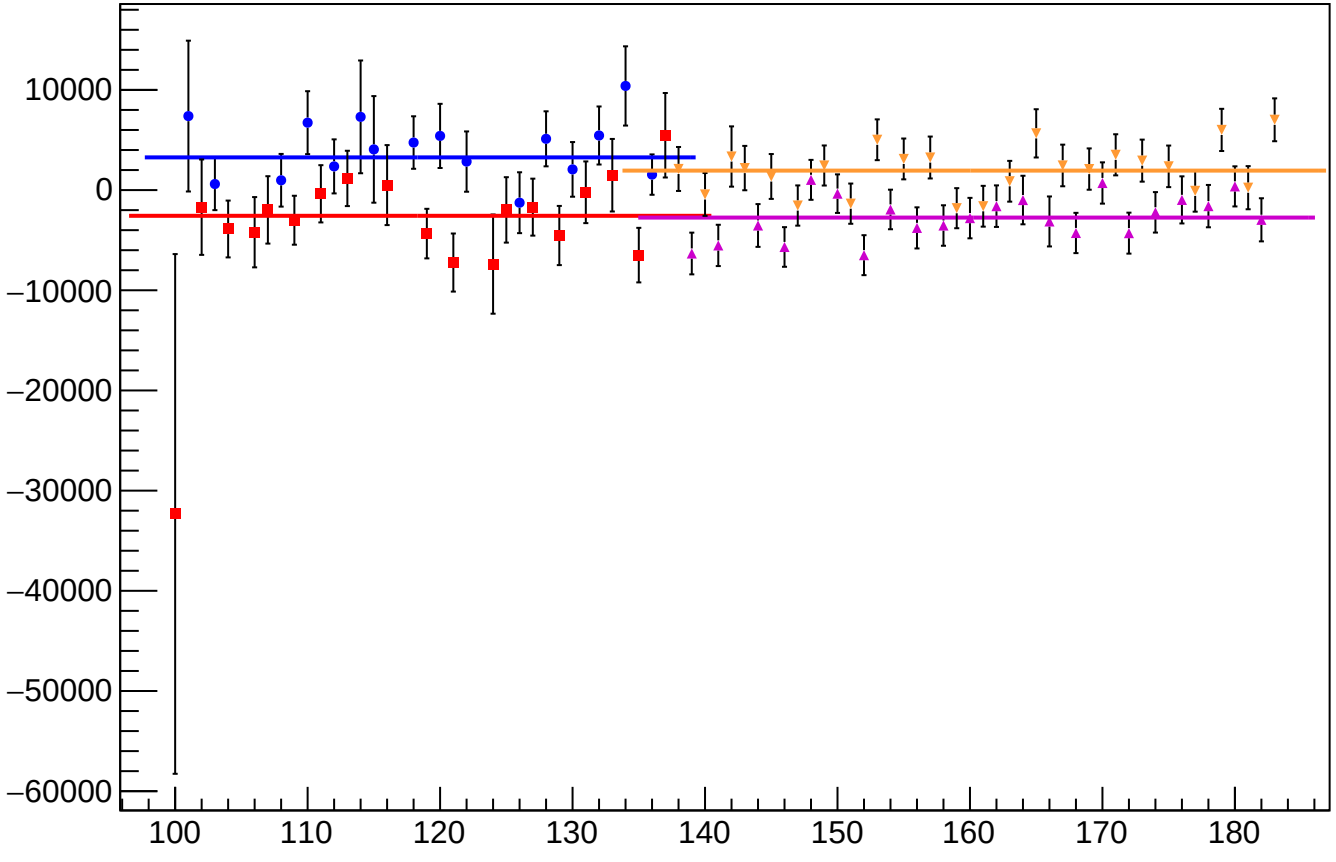
Left In: 4666.839+/-0.794 χ^2/NDF:1285624.4/21

+ sign 4498.961+/-0.638 χ^2/NDF: 2322106.5/39

All: 4403.319+/-0.447 χ^2/NDF: 5524942.4/80

- sign 4310.540+/-0.628 χ^2/NDF: 3158514.3/40

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1944.818+/-432.042 χ^2/NDF:31.4/23

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

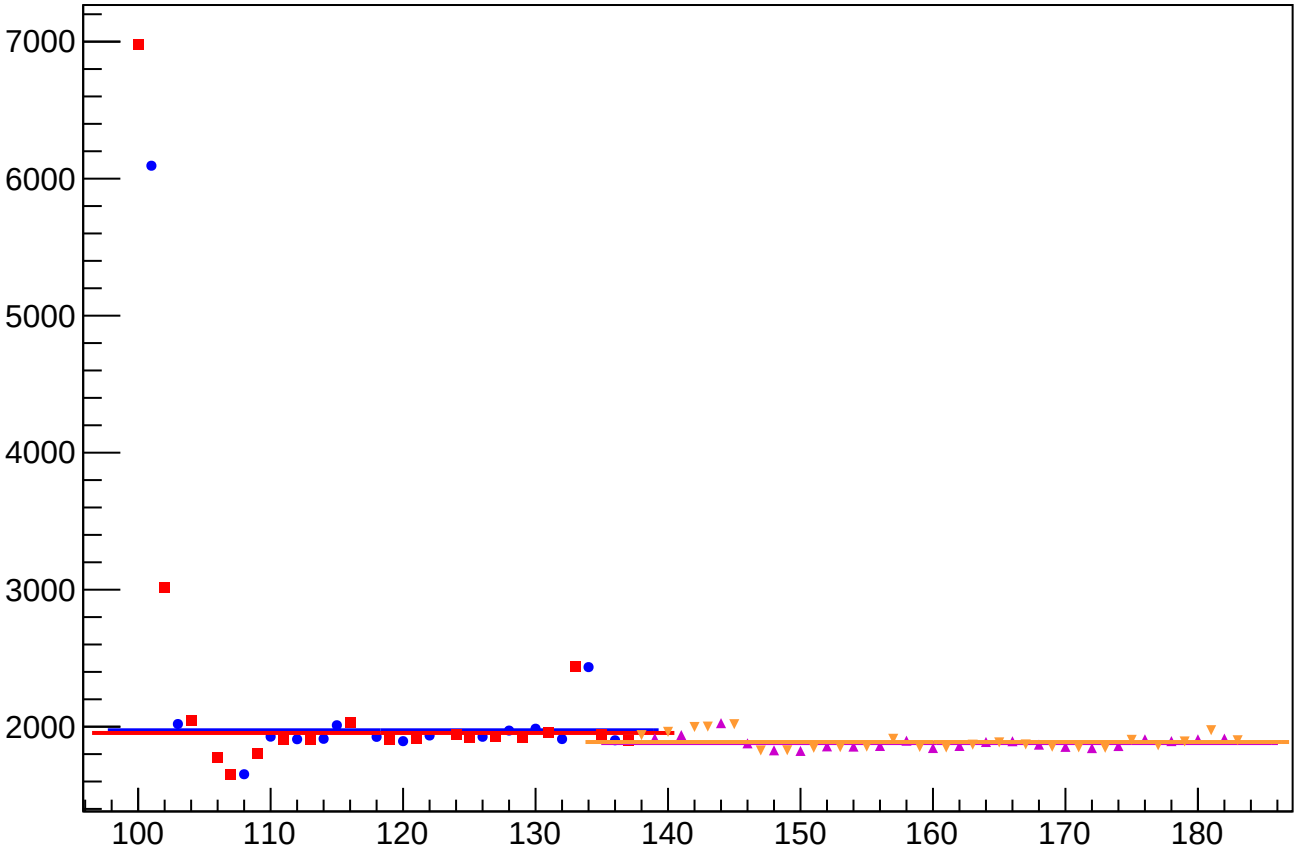
Left In: -2744.376+/-442.846 χ^2/NDF:24.5/21

+ sign 2273.095+/-374.477 χ^2/NDF: 45.9/39

All: -180.172+/-266.484 χ^2/NDF: 174.4/80

- sign -2697.038+/-379.300 χ^2/NDF: 41.6/40

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1888.246+/-0.305 χ^2/NDF:31583.1/23

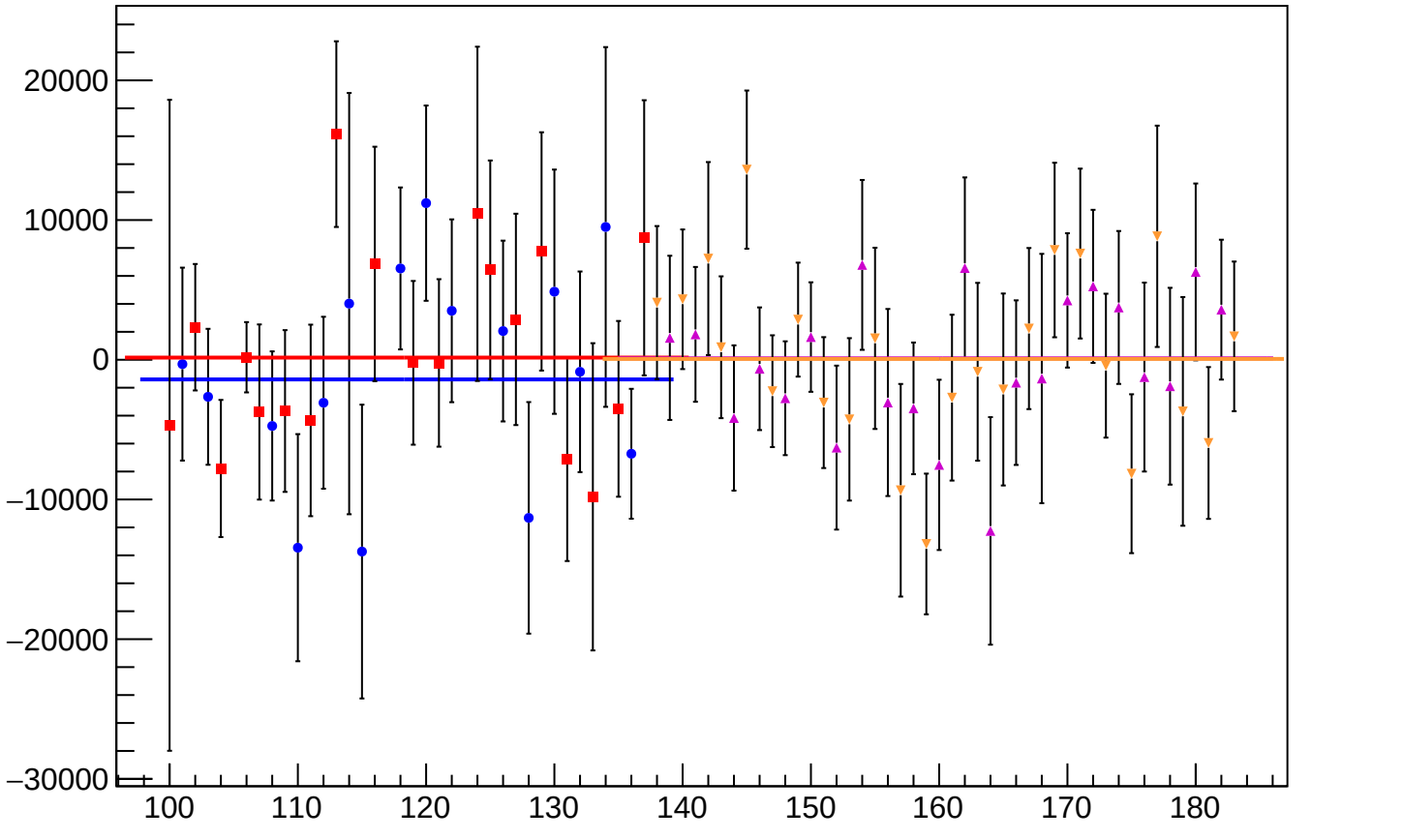
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.583+/-0.313 χ^2/NDF:19037.6/21

+ sign 1909.513+/-0.265 χ^2/NDF: 716190.4/39

All: 1904.943+/-0.188 χ^2/NDF: 996840.9/80

- sign 1900.257+/-0.268 χ^2/NDF: 280047.3/40



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 60.591+/-1141.347 χ^2/NDF:26.8/23

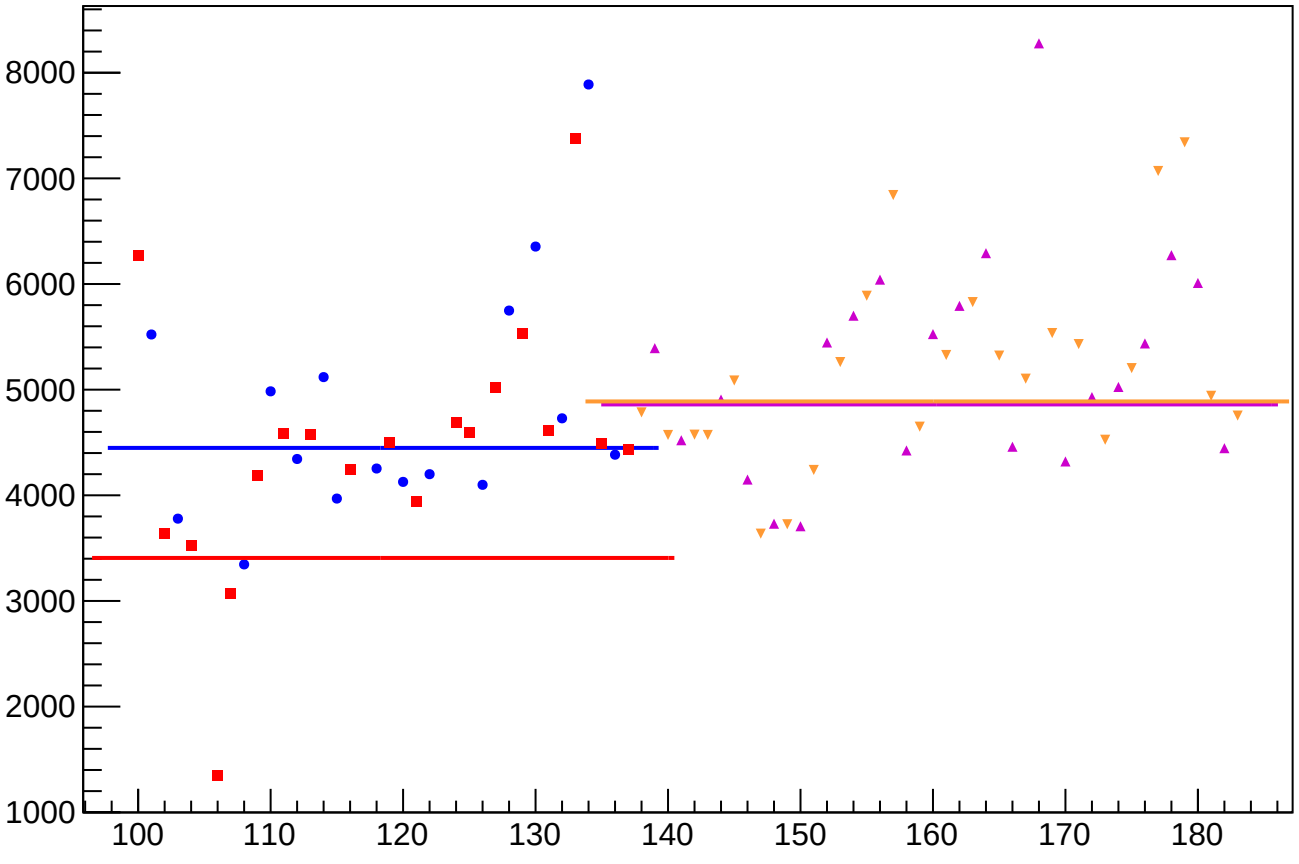
Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 102.764+/-1167.497 χ^2/NDF:13.3/21

\+ sign -399.234+/-945.847 χ^2/NDF: 41.6/39

All: -120.276+/-646.954 χ^2/NDF: 70.9/80

\- sign 124.973+/-886.860 χ^2/NDF: 29.2/40



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4888.485+/-0.807 χ^2/NDF:1063251.1/23

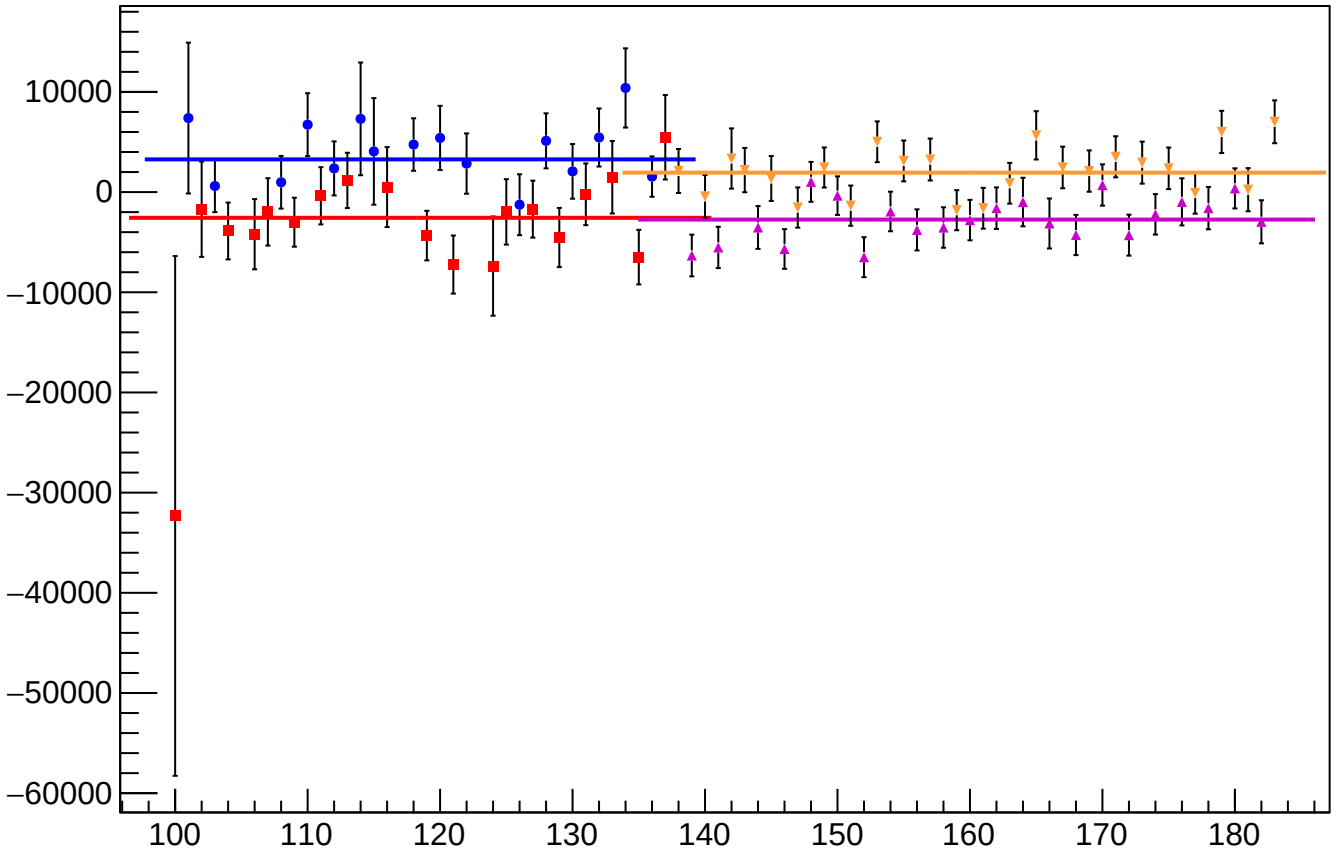
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4860.191+/-0.826 χ^2/NDF:1175128.0/21

+ sign 4750.731+/-0.669 χ^2/NDF: 1650874.1/39

All: 4481.919+/-0.457 χ^2/NDF: 6766005.0/80

- sign 4245.589+/-0.627 χ^2/NDF: 4811567.1/40



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1944.813+/-432.042 χ^2/NDF:31.4/23

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

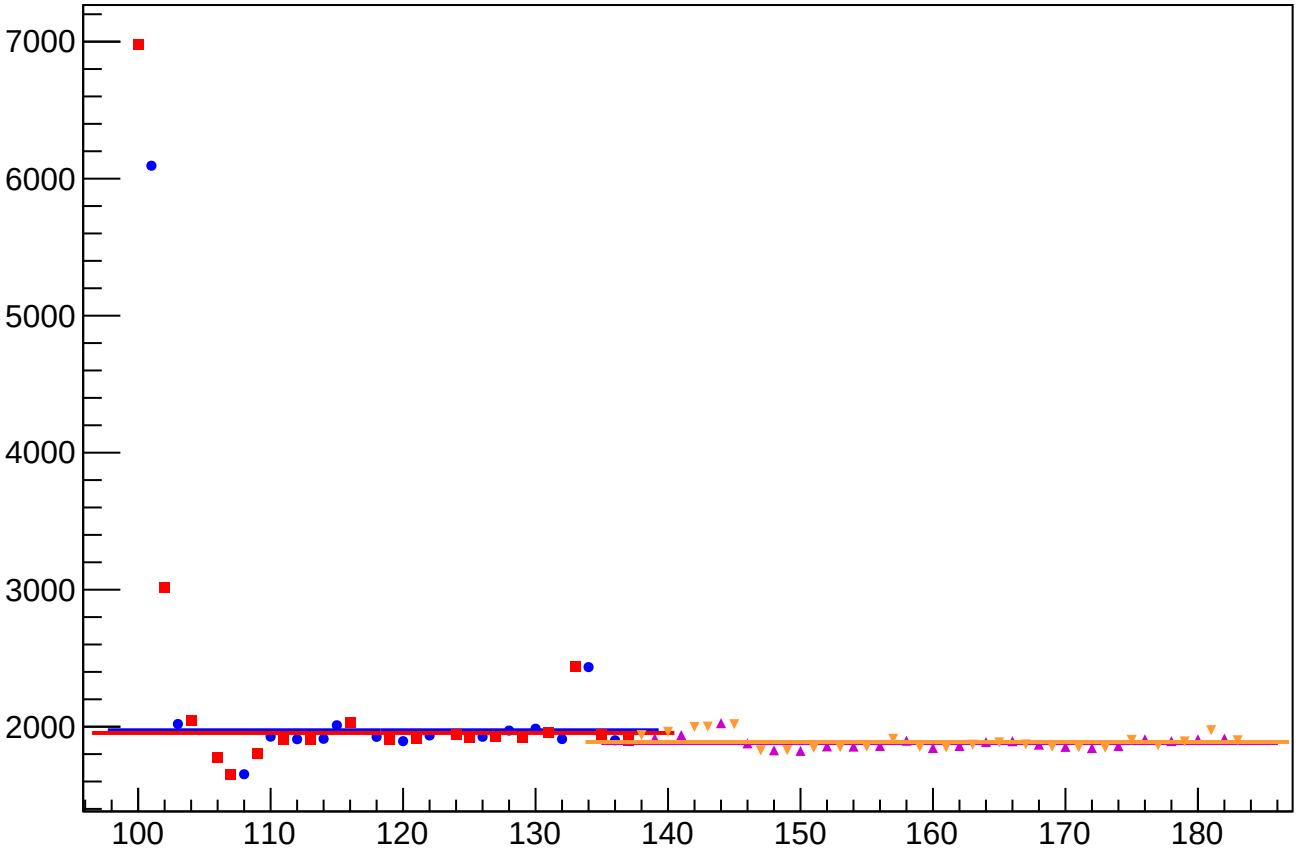
Left In: -2744.376+/-442.847 χ^2/NDF:24.5/21

+ sign 2273.093+/-374.477 χ^2/NDF: 45.9/39

All: -180.174+/-266.484 χ^2/NDF: 174.4/80

- sign -2697.040+/-379.300 χ^2/NDF: 41.6/40

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1888.247+/-0.306 χ^2/NDF:31583.1/23

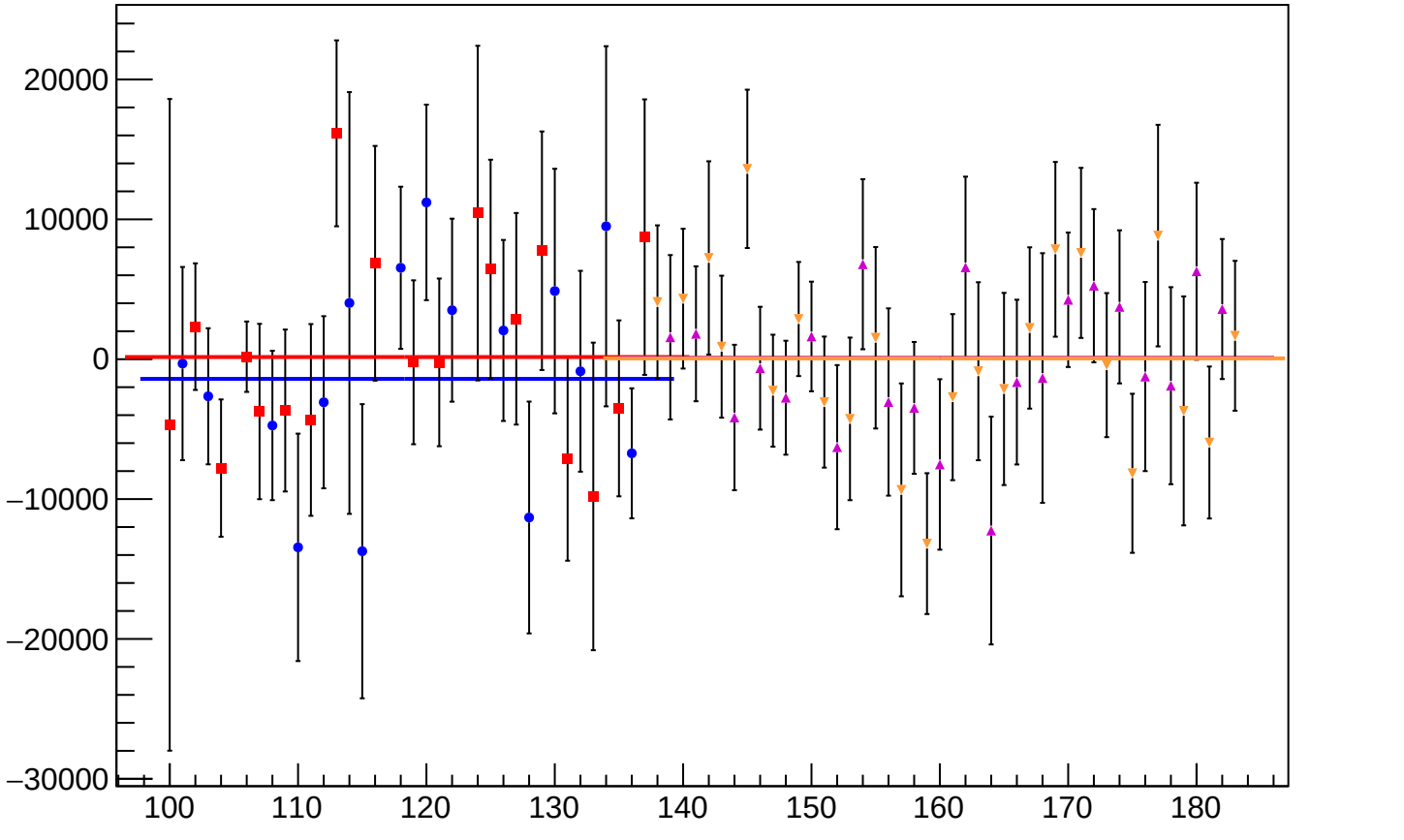
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.584+/-0.313 χ^2/NDF:19037.5/21

+ sign 1909.513+/-0.265 χ^2/NDF: 716189.9/39

All: 1904.943+/-0.188 χ^2/NDF: 996839.6/80

- sign 1900.257+/-0.268 χ^2/NDF: 280046.4/40



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 60.588+/-1141.349 χ^2/NDF:26.8/23

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

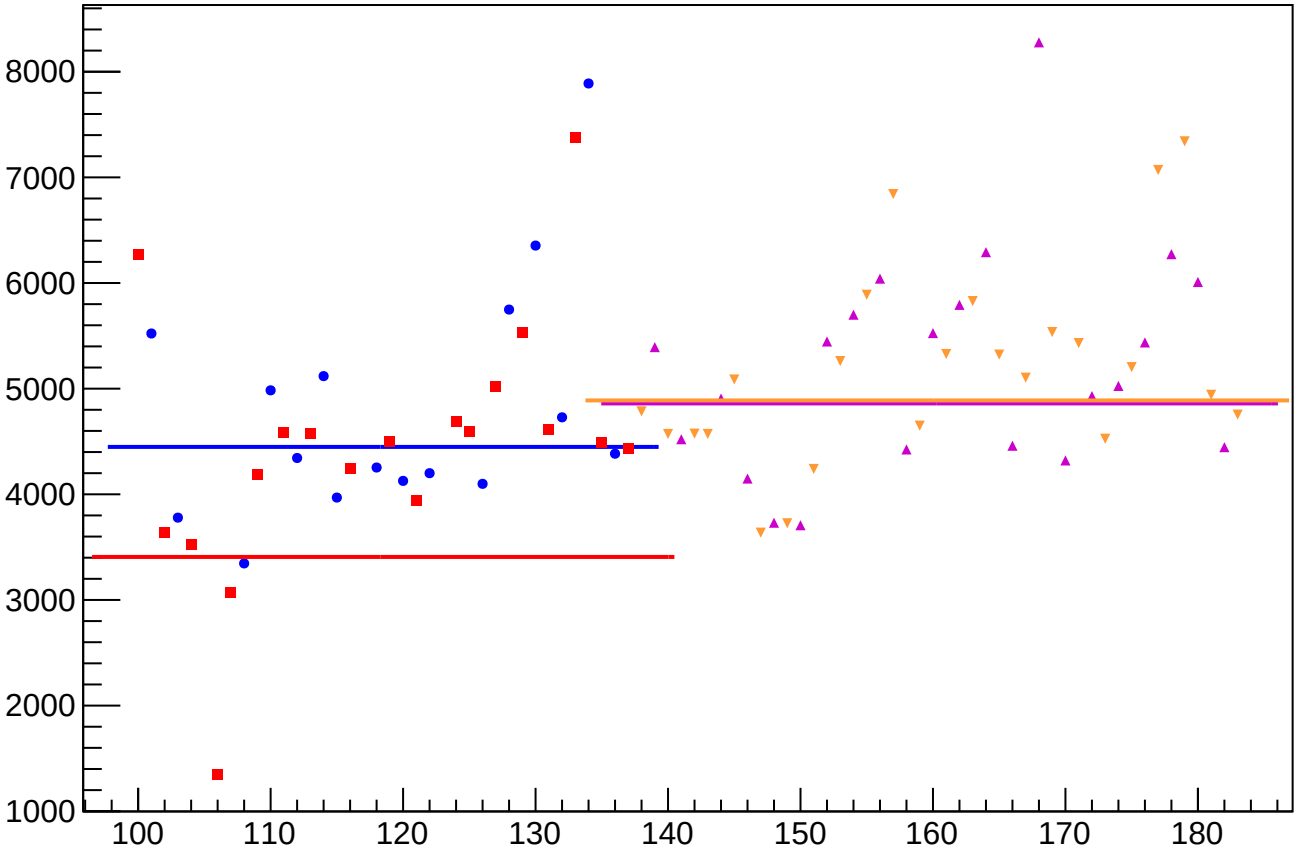
Left In: 102.766+/-1167.499 χ^2/NDF:13.3/21

\+ sign -399.232+/-945.848 χ^2/NDF: 41.6/39

All: -120.274+/-646.954 χ^2/NDF: 70.9/80

\- sign 124.975+/-886.860 χ^2/NDF: 29.2/40

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4888.492+/-0.807 χ^2/NDF:1063252.5/23

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

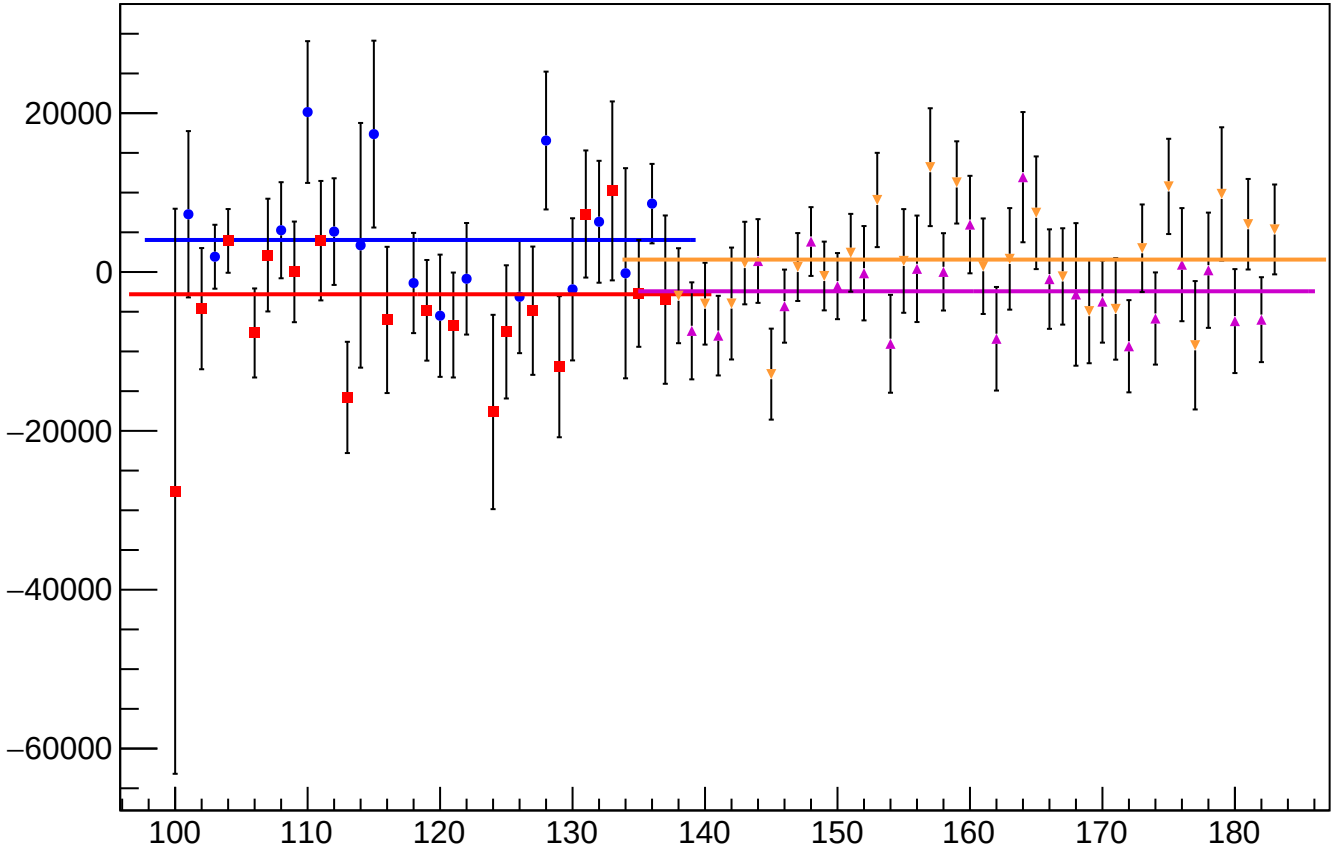
Left In: 4860.198+/-0.826 χ^2/NDF:1175130.5/21

+ sign 4750.733+/-0.669 χ^2/NDF: 1650879.1/39

All: 4481.919+/-0.457 χ^2/NDF: 6766050.8/80

- sign 4245.588+/-0.627 χ^2/NDF: 4811603.0/40

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1565.612+/-1187.206 χ^2/NDF:25.6/23

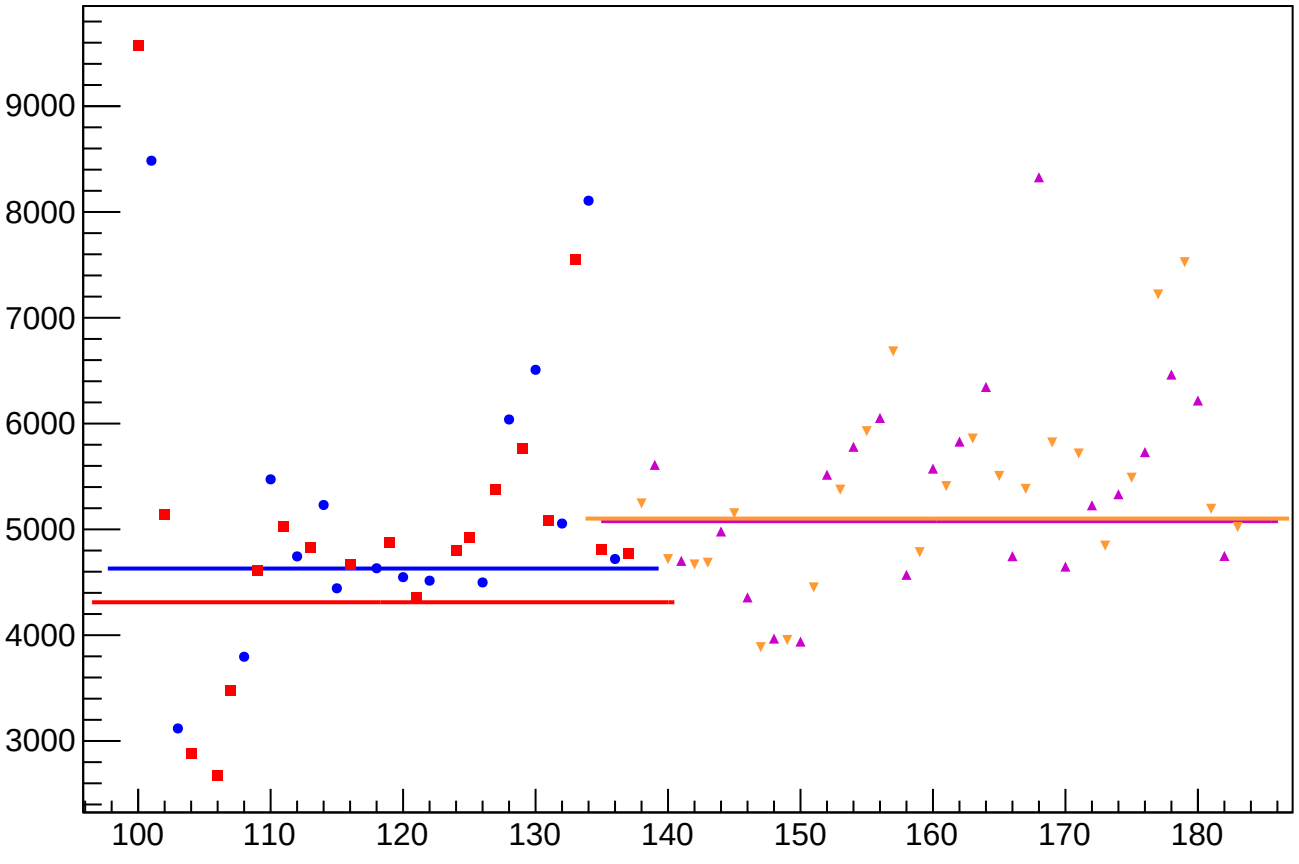
Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: -2425.046+/-1215.667 χ^2/NDF:15.2/21

+ sign 2324.571+/-988.023 χ^2/NDF: 39.3/39

All: -127.057+/-696.934 χ^2/NDF: 82.2/80

- sign -2554.915+/-983.222 χ^2/NDF: 30.7/40



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5102.046+/-0.839 χ^2/NDF:909135.6/23

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

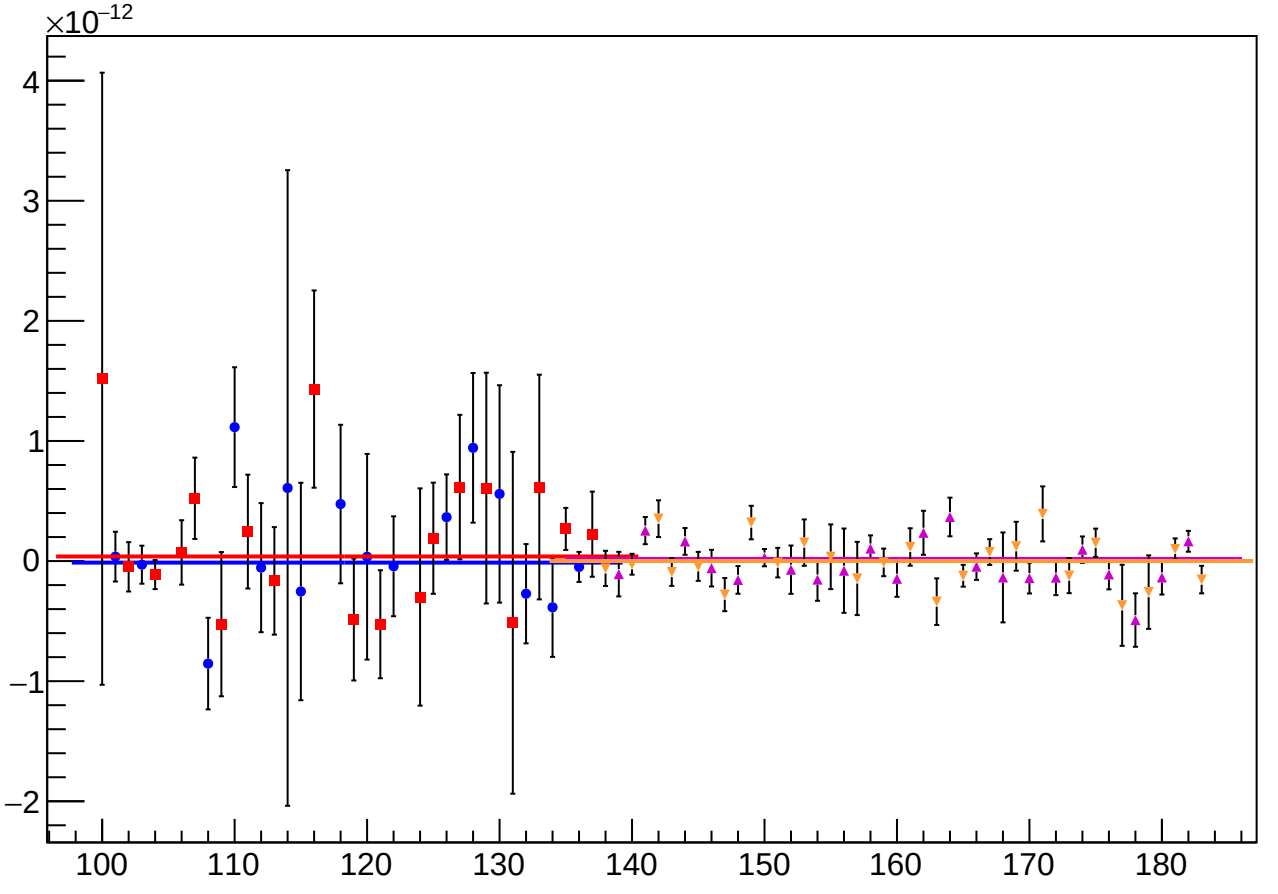
Left In: 5077.870+/-0.860 χ^2/NDF:990535.6/21

+ sign 4956.929+/-0.699 χ^2/NDF: 1906591.9/39

All: 4882.732+/-0.492 χ^2/NDF: 4102482.6/80

- sign 4809.697+/-0.693 χ^2/NDF: 2173509.6/40

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

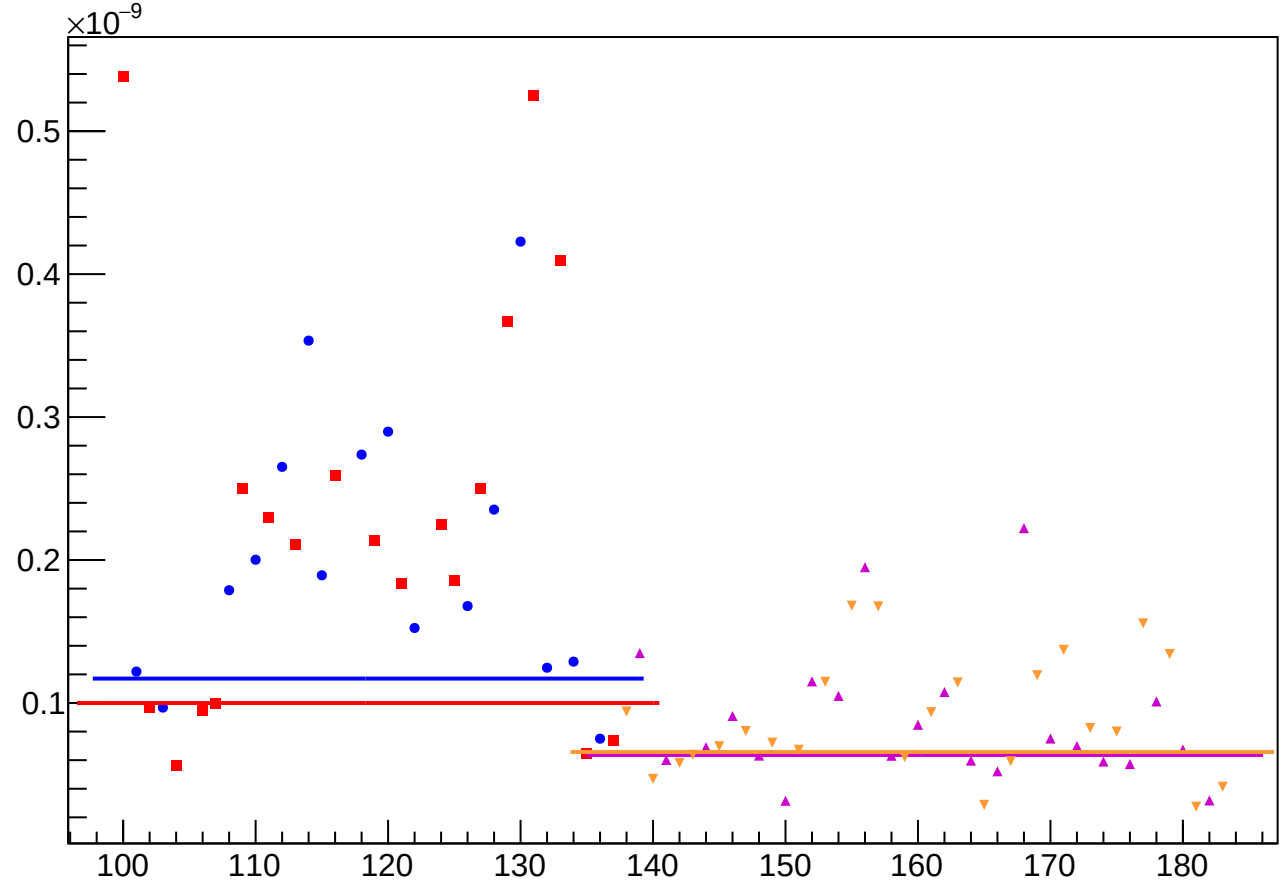
Left In: 0.000+/-0.000 χ^2/NDF:32.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/39

All: 0.000+/-0.000 χ^2/NDF: 96.8/80

- sign 0.000+/-0.000 χ^2/NDF: 47.3/40

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2471983.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

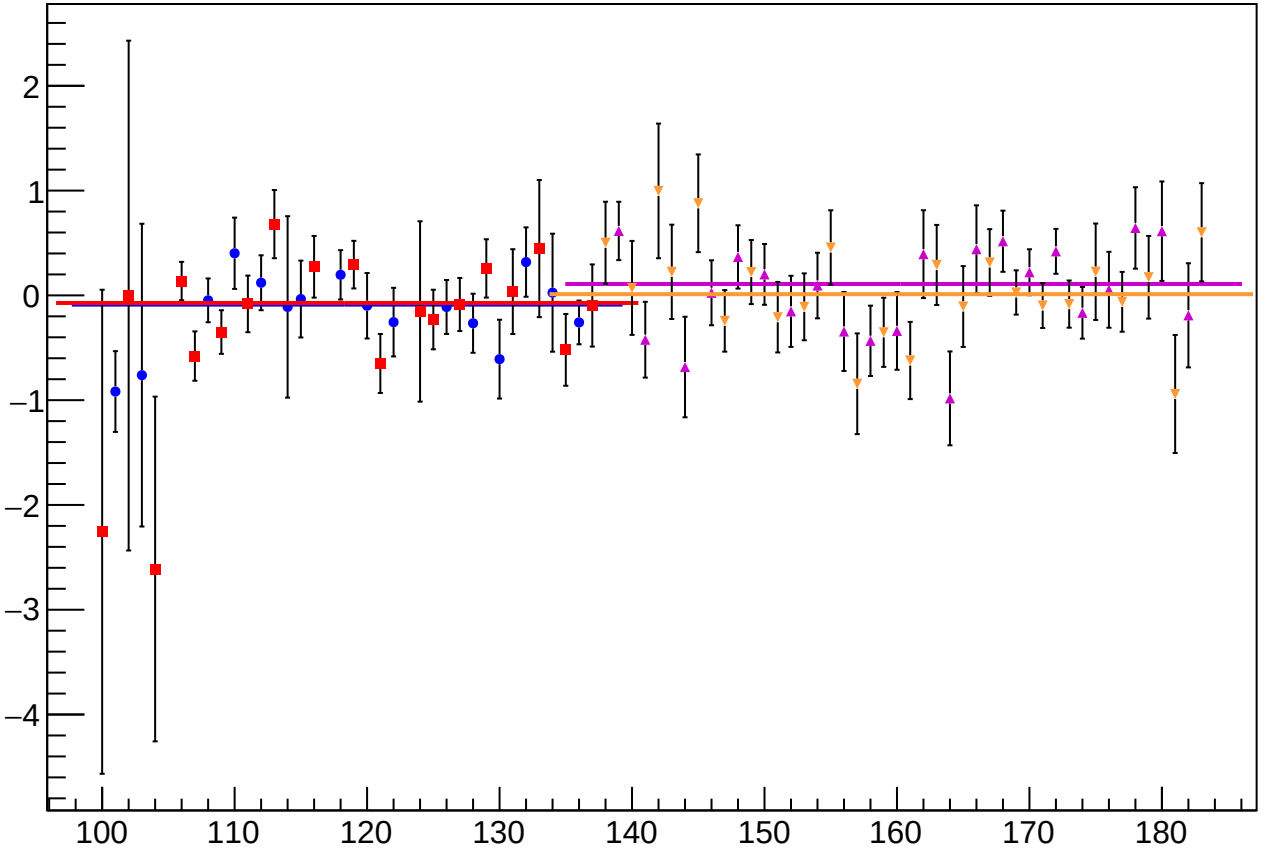
Left In: 0.000+/-0.000 χ^2/NDF:2175431.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 4389879.3/39

All: 0.000+/-0.000 χ^2/NDF: 8864286.9/80

- sign 0.000+/-0.000 χ^2/NDF: 4455828.7/40

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.069 χ^2/NDF:25.2/23

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

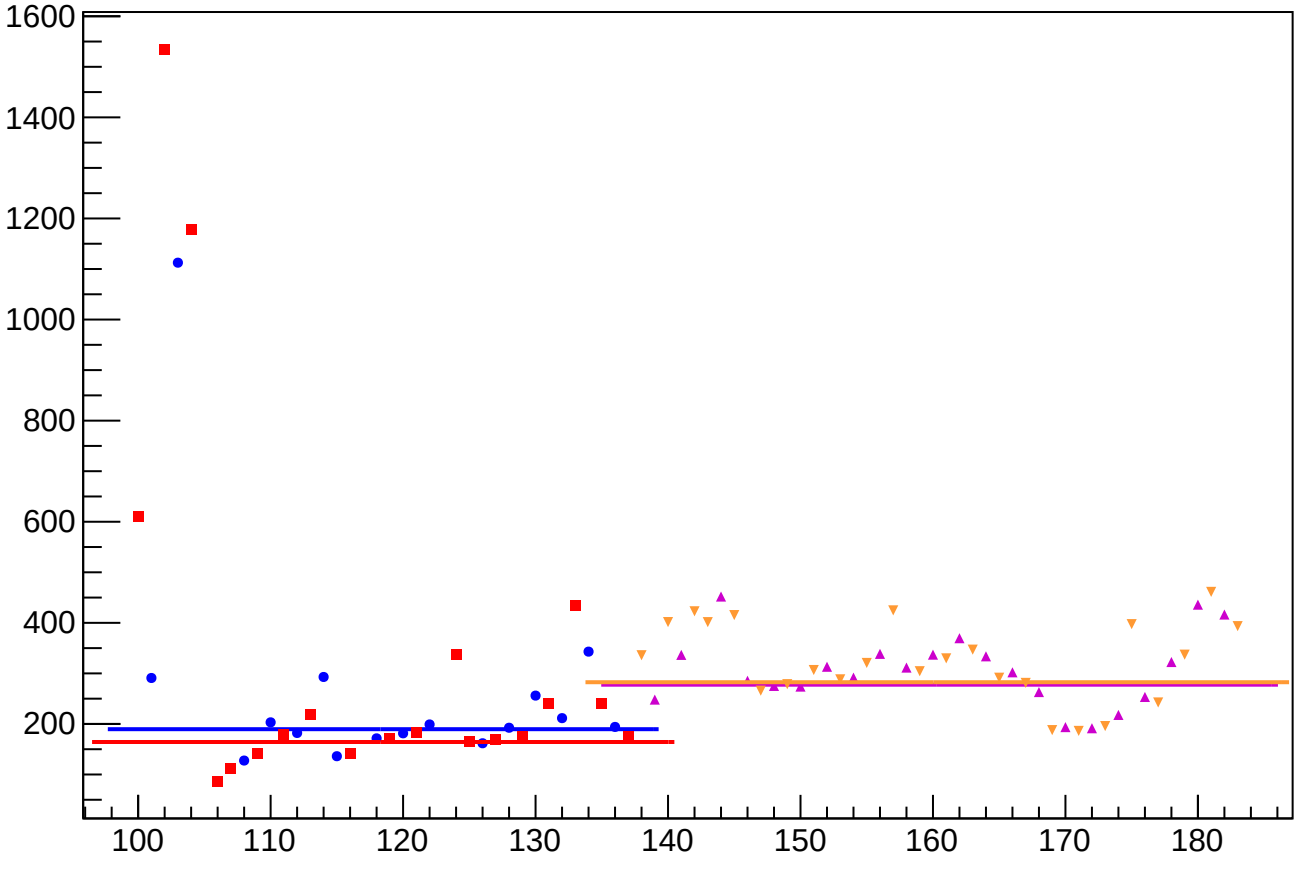
Left In: 0.109+/-0.069 χ^2/NDF:31.2/21

+ sign -0.033+/-0.051 χ^2/NDF: 40.0/39

All: -0.006+/-0.035 χ^2/NDF: 103.8/80

- sign 0.020+/-0.049 χ^2/NDF: 63.3/40

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 282.549+/-0.049 χ^2/NDF:2509348.8/23

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

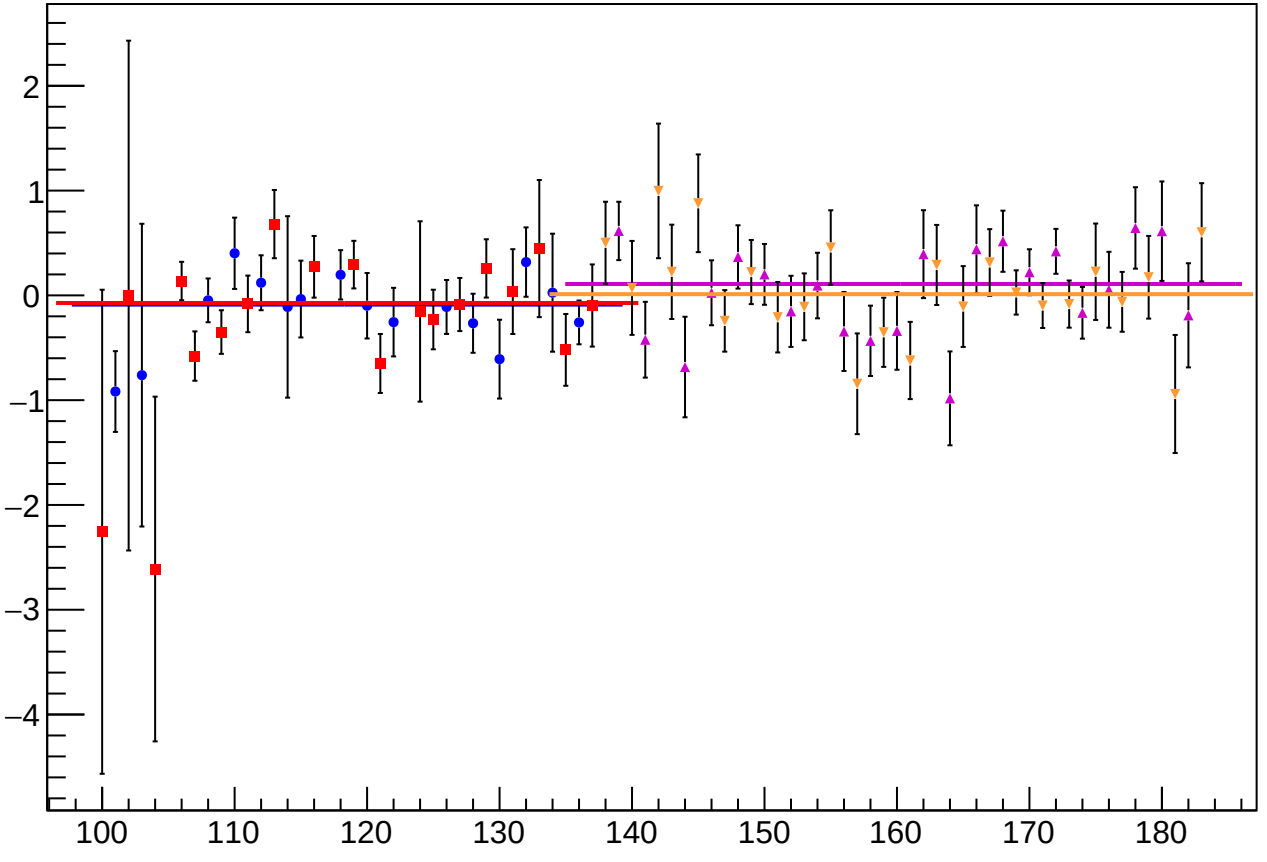
Left In: 277.654+/-0.049 χ^2/NDF:1778834.8/21

+ sign 241.208+/-0.036 χ^2/NDF: 5601327.2/39

All: 231.106+/-0.025 χ^2/NDF: 12833446.5/80

- sign 221.801+/-0.035 χ^2/NDF: 7082573.7/40

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.069 χ^2/NDF:25.2/23

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

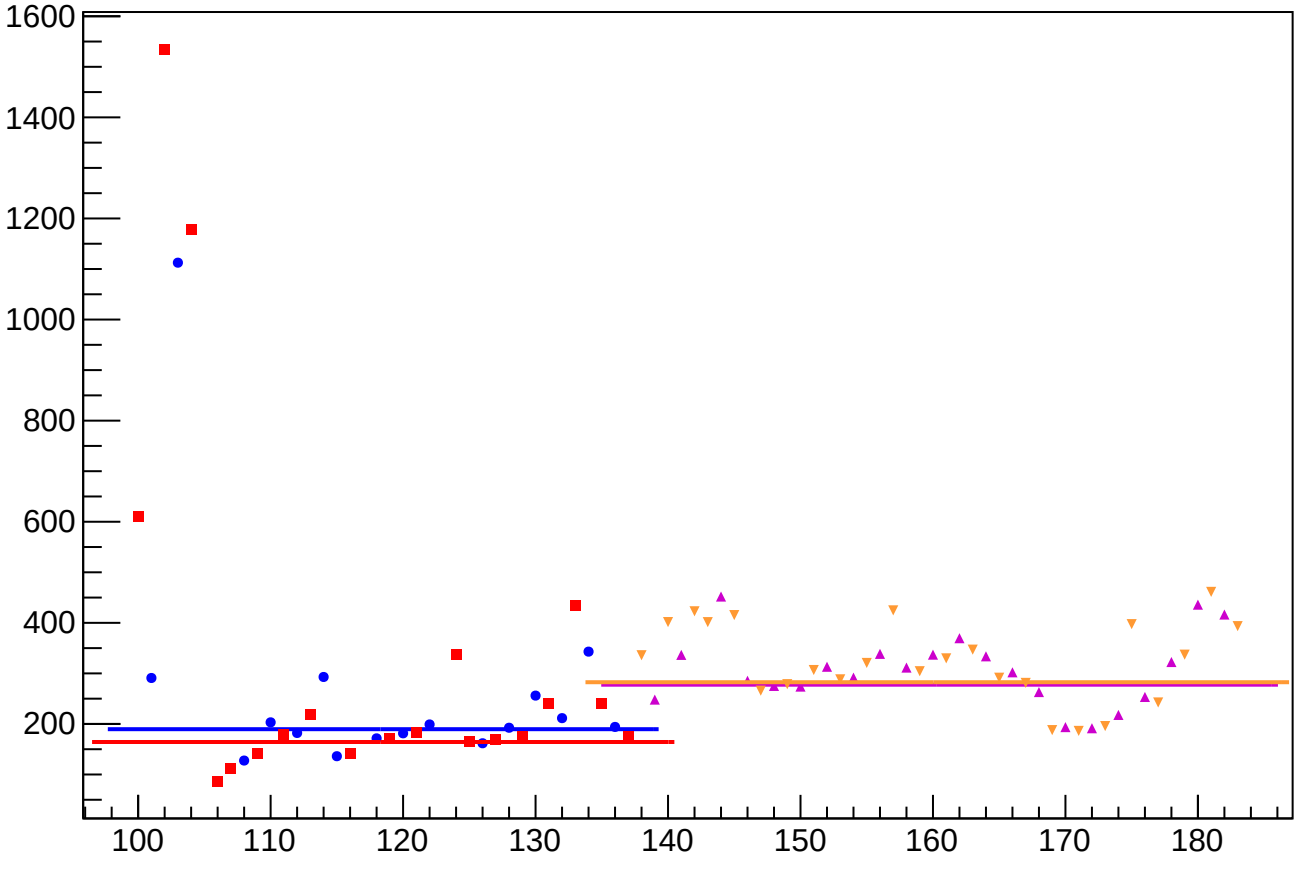
Left In: 0.109+/-0.069 χ^2/NDF:31.2/21

+ sign -0.033+/-0.051 χ^2/NDF: 40.0/39

All: -0.006+/-0.035 χ^2/NDF: 103.8/80

- sign 0.020+/-0.049 χ^2/NDF: 63.3/40

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 282.549+/-0.049 χ^2/NDF:2509348.8/23

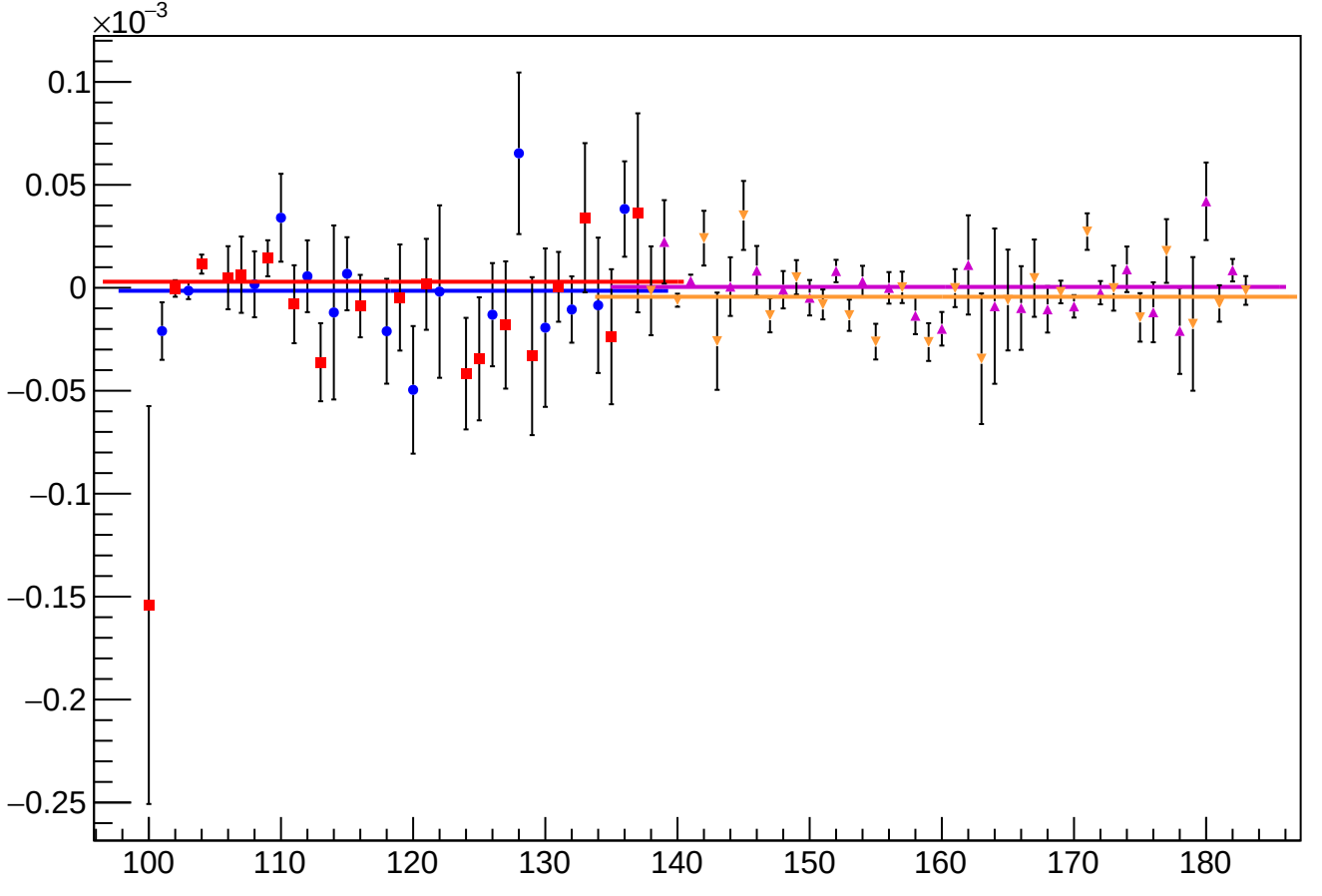
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 277.654+/-0.049 χ^2/NDF:1778834.8/21

+ sign 241.208+/-0.036 χ^2/NDF: 5601327.2/39

All: 231.106+/-0.025 χ^2/NDF: 12833446.5/80

- sign 221.801+/-0.035 χ^2/NDF: 7082573.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

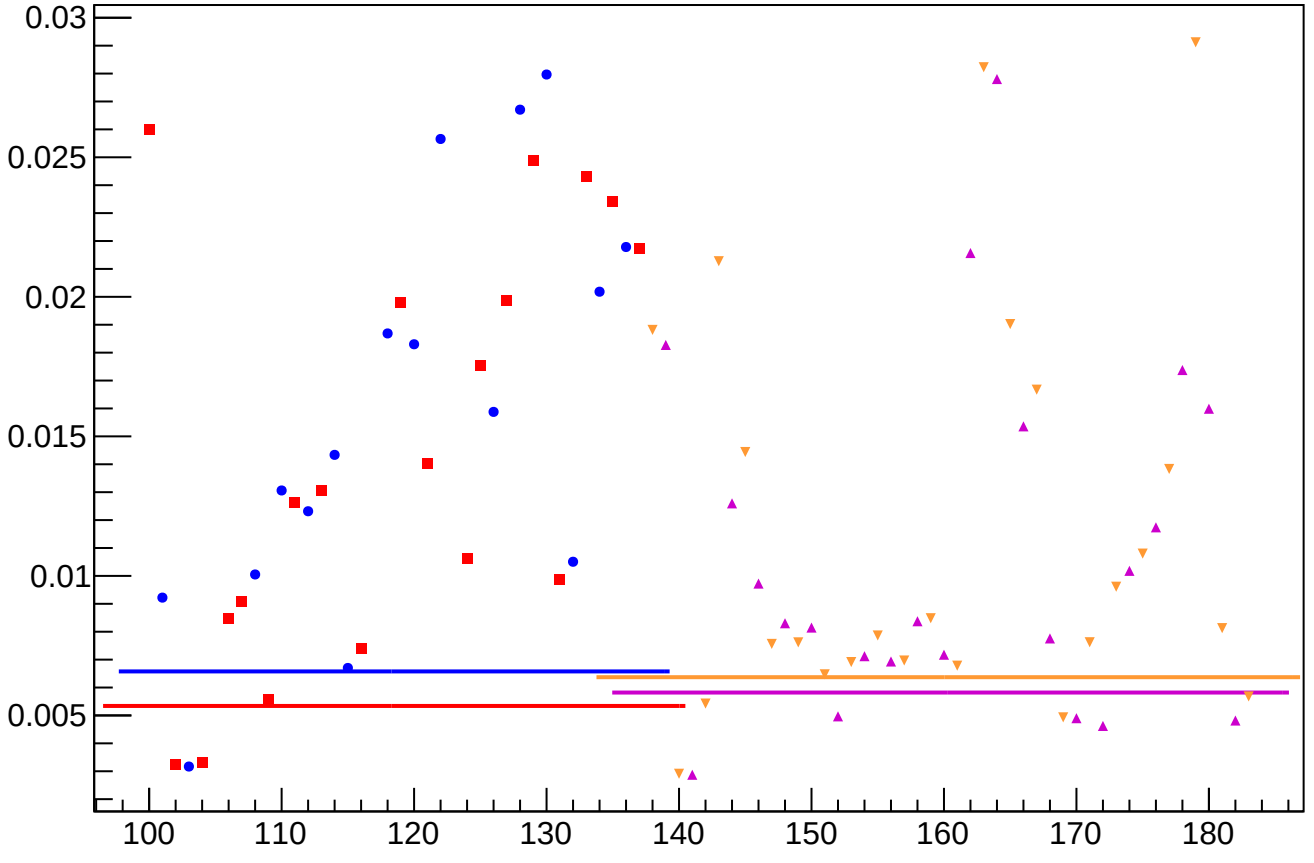
Left In: 0.000+/-0.000 χ^2/NDF:27.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 60.9/39

All: -0.000+/-0.000 χ^2/NDF: 116.4/80

- sign 0.000+/-0.000 χ^2/NDF: 49.8/40

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:8859546.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

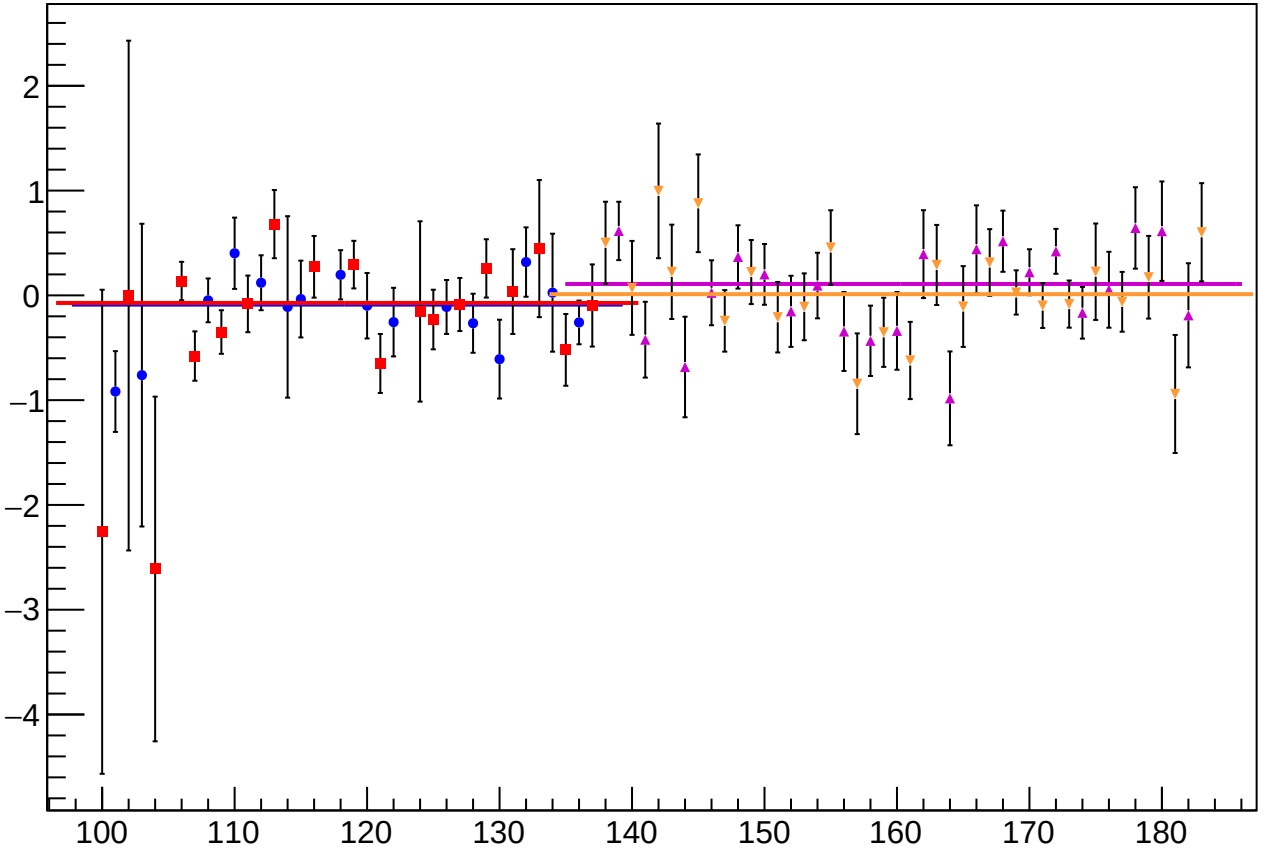
Left In: 0.006+/-0.000 χ^2/NDF:8019996.5/21

+ sign 0.006+/-0.000 χ^2/NDF: 14793709.5/39

All: 0.006+/-0.000 χ^2/NDF: 28802905.7/80

- sign 0.006+/-0.000 χ^2/NDF: 13755691.7/40

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.069 χ^2/NDF:25.2/23

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

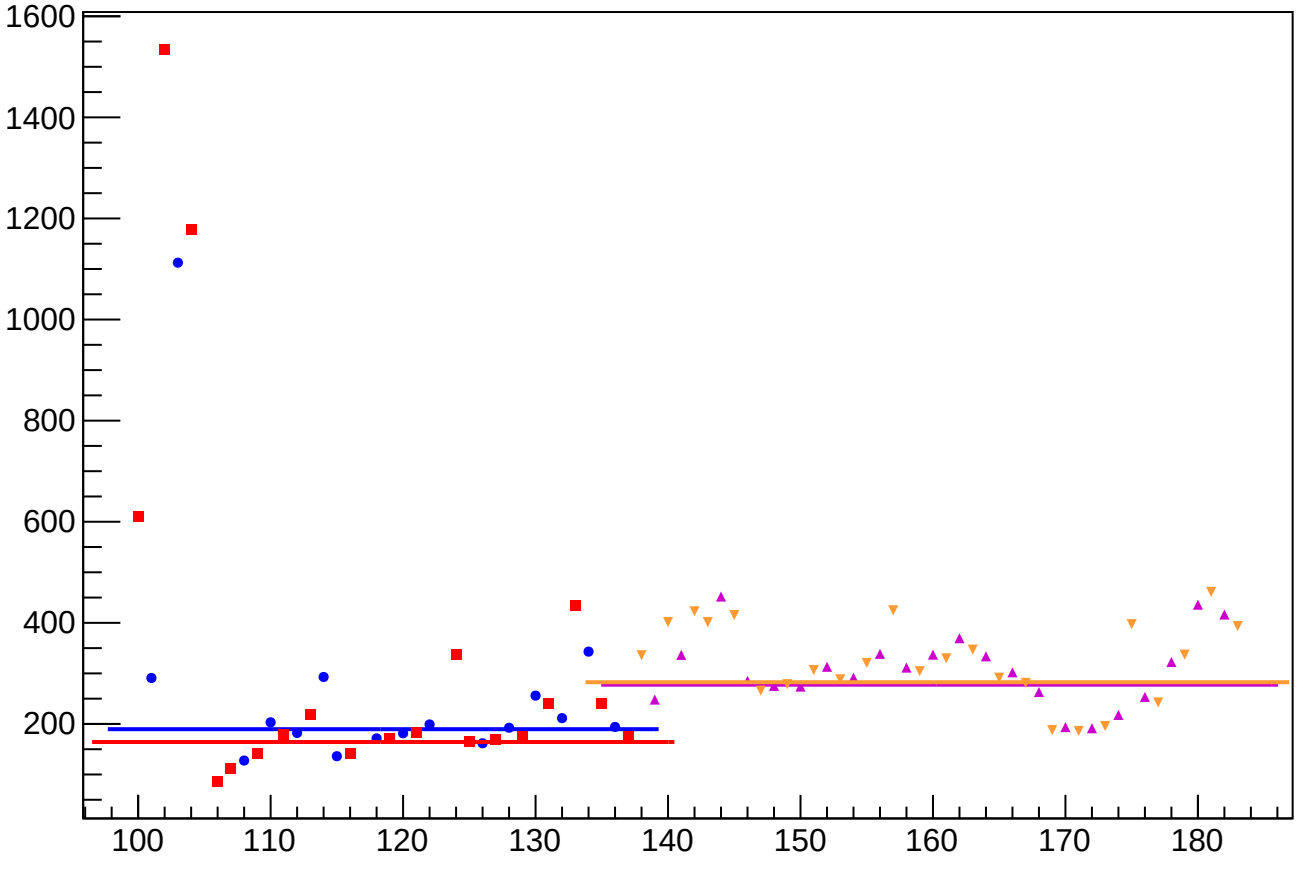
Left In: 0.109+/-0.069 χ^2/NDF:31.2/21

+ sign -0.033+/-0.051 χ^2/NDF: 40.0/39

All: -0.006+/-0.035 χ^2/NDF: 103.8/80

- sign 0.020+/-0.049 χ^2/NDF: 63.3/40

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 282.551+/-0.049 χ^2/NDF:2509417.0/23

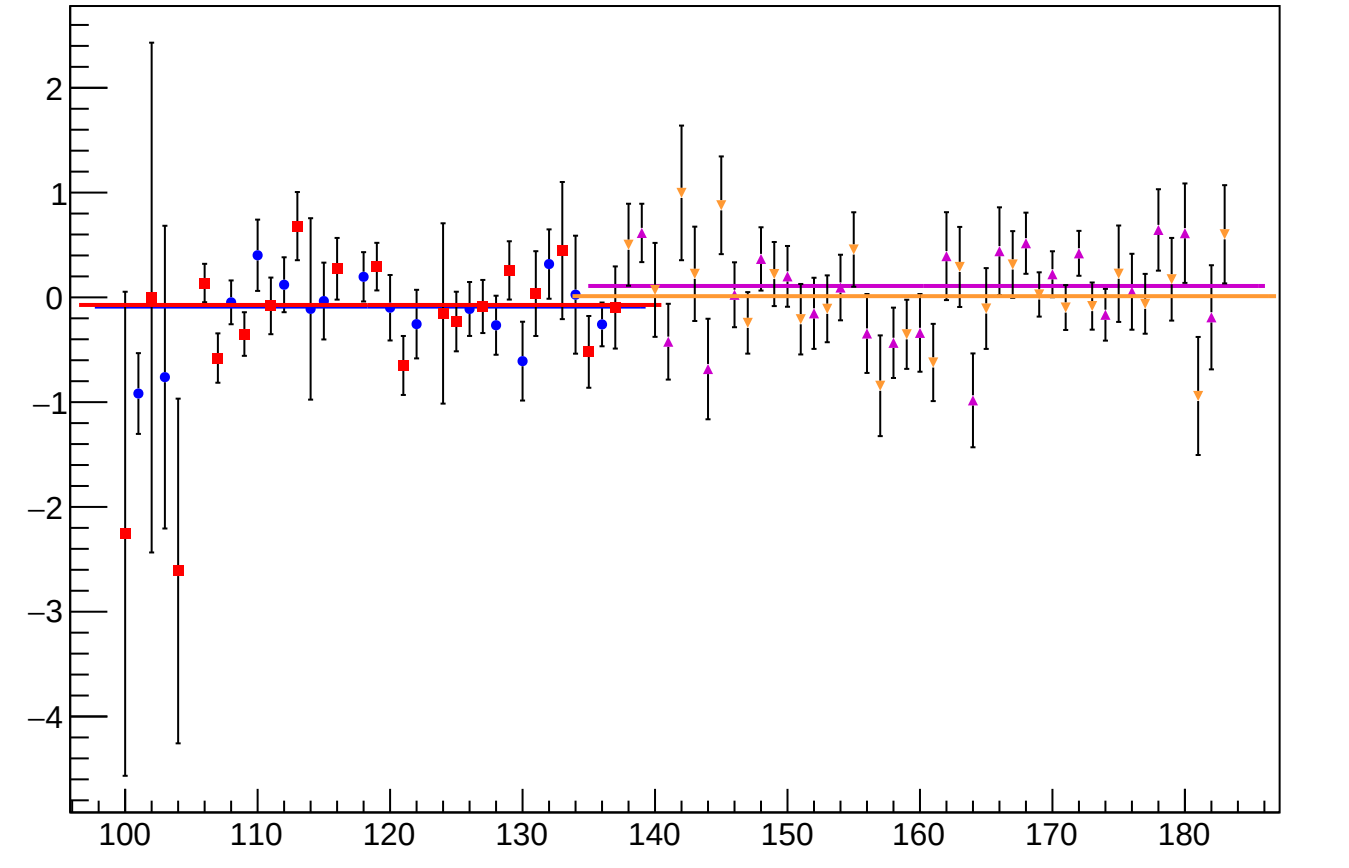
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 277.656+/-0.049 χ^2/NDF:1778876.8/21

+ sign 241.208+/-0.036 χ^2/NDF: 5601488.5/39

All: 231.106+/-0.025 χ^2/NDF: 12833774.3/80

- sign 221.801+/-0.035 χ^2/NDF: 7082735.1/40



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.069 χ^2/NDF:25.2/23

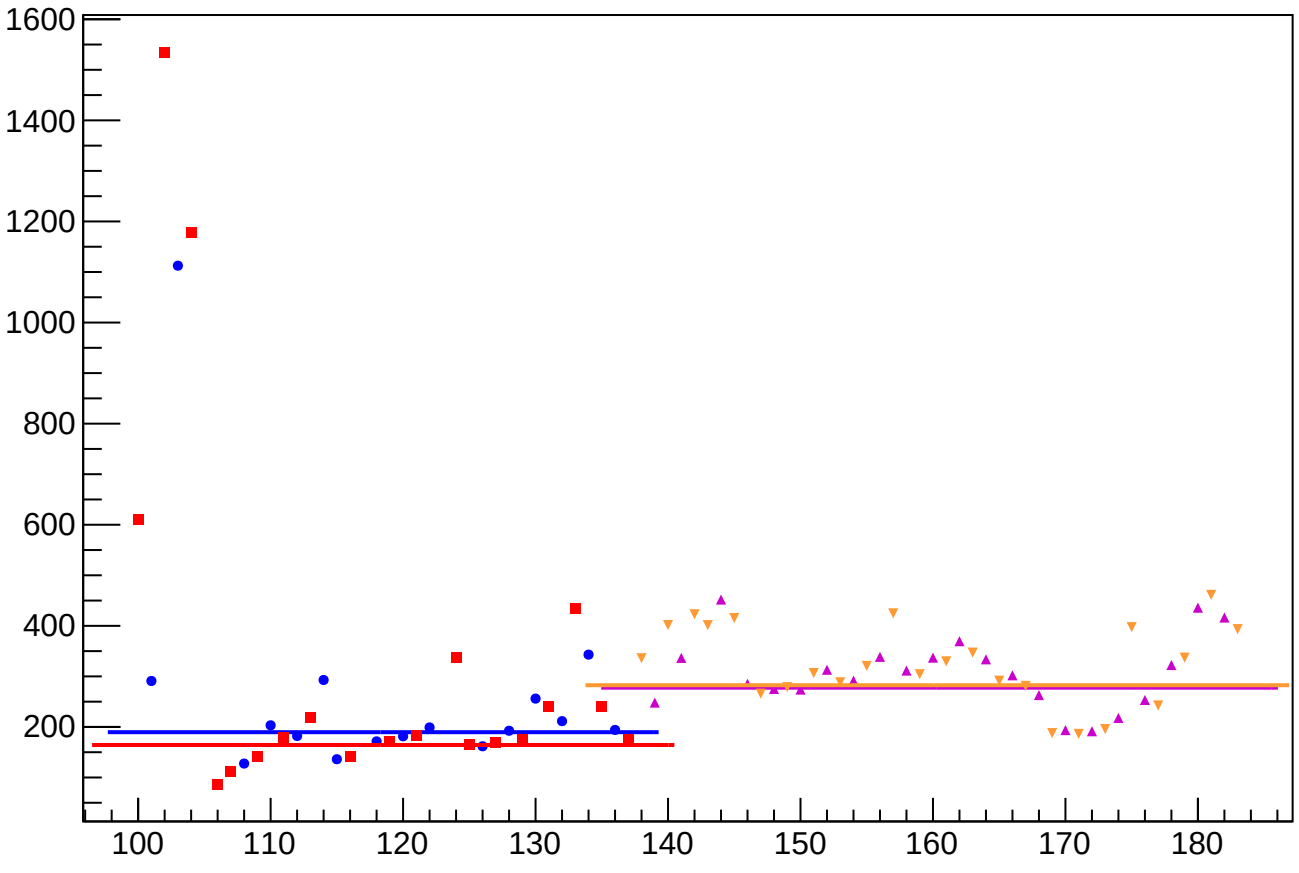
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

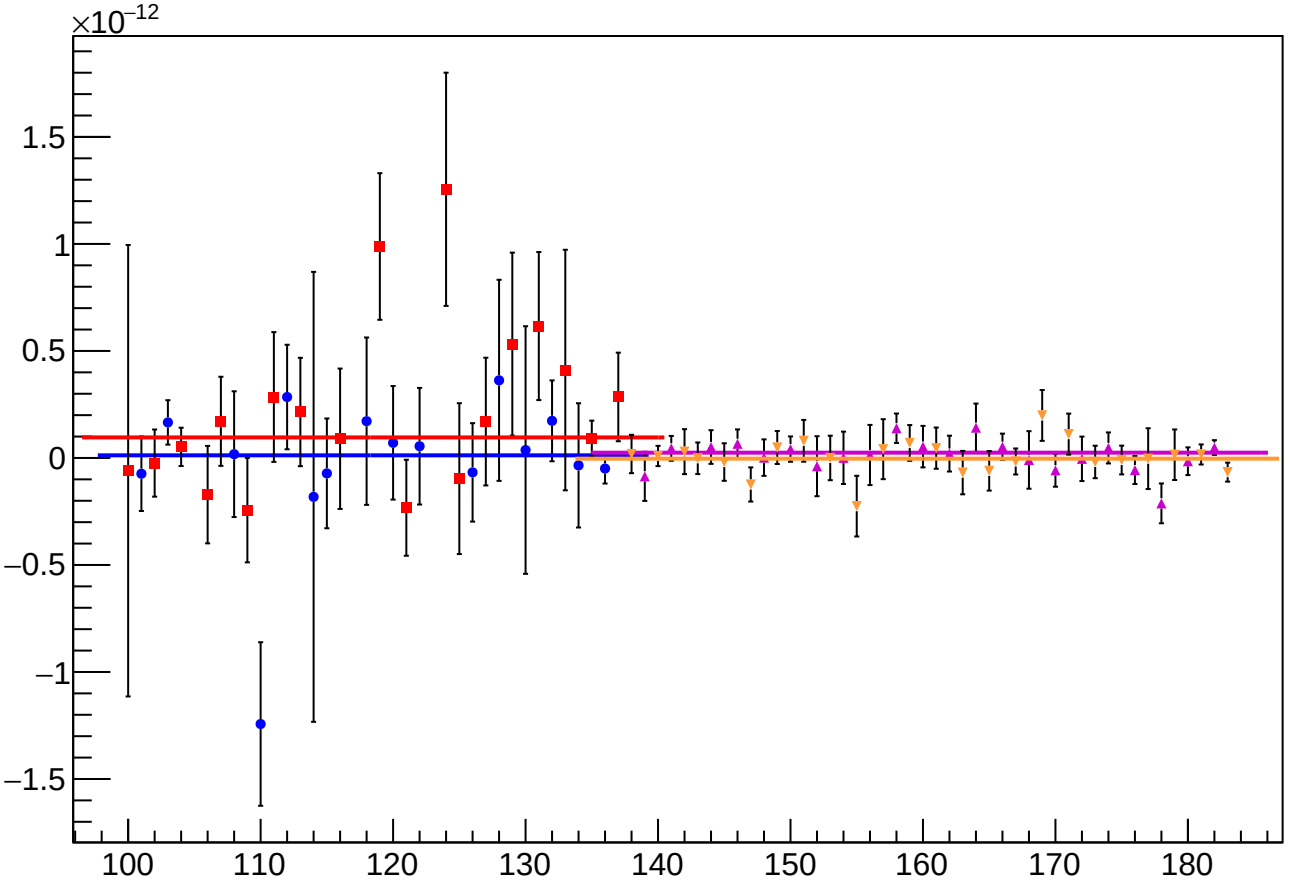
Left In: 0.109+/-0.069 χ^2/NDF:31.2/21

+ sign -0.033+/-0.051 χ^2/NDF: 40.0/39

All: -0.006+/-0.035 χ^2/NDF: 103.8/80

- sign 0.020+/-0.049 χ^2/NDF: 63.3/40


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 282.551+/-0.049 χ²/NDF:2509417.0/23
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 277.656+/-0.049 χ²/NDF:1778876.8/21
+ sign 241.208+/-0.036 χ²/NDF: 5601488.5/39
All: 231.106+/-0.025 χ²/NDF: 12833774.3/80
- sign 221.801+/-0.035 χ²/NDF: 7082735.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/23

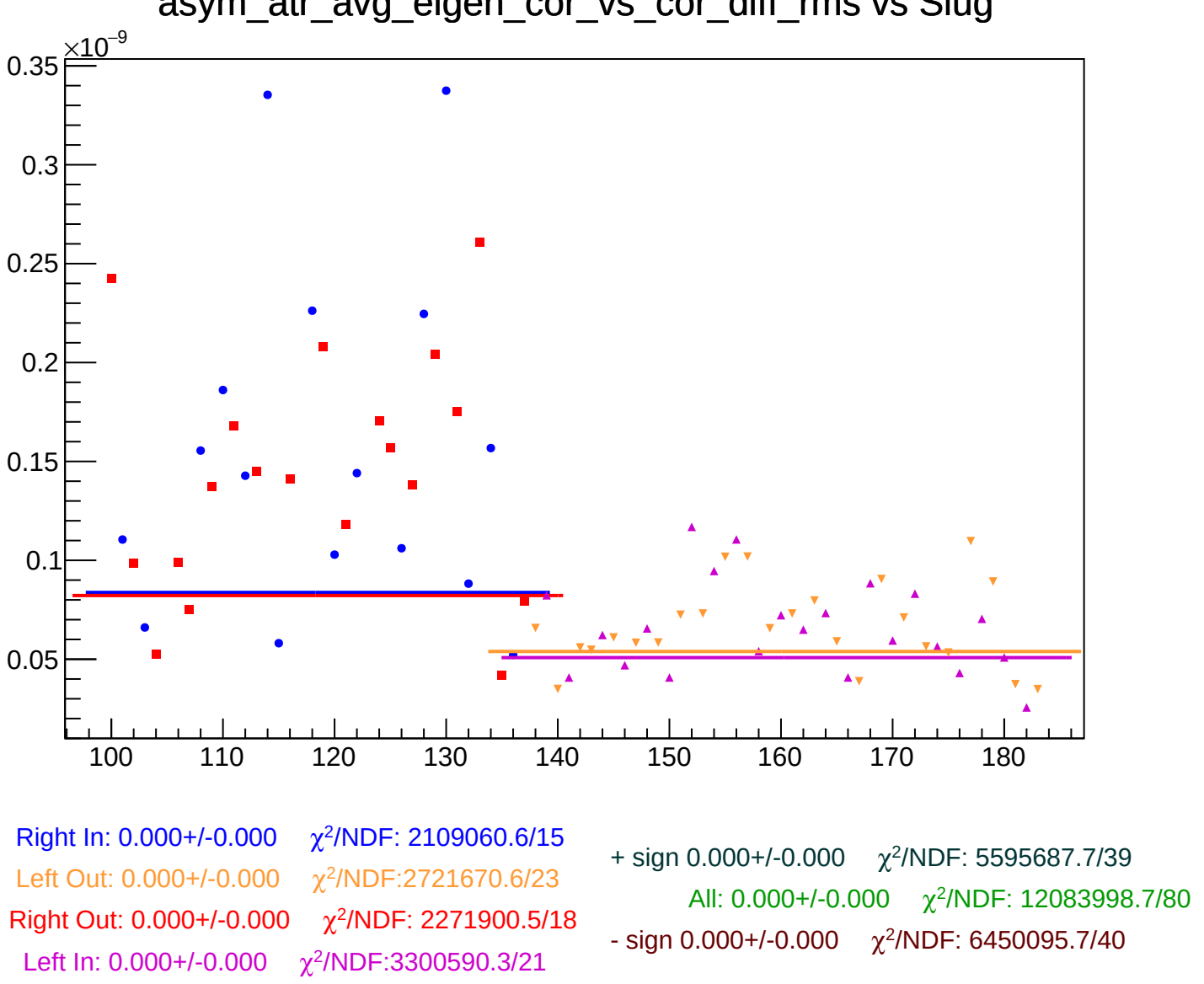
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/21

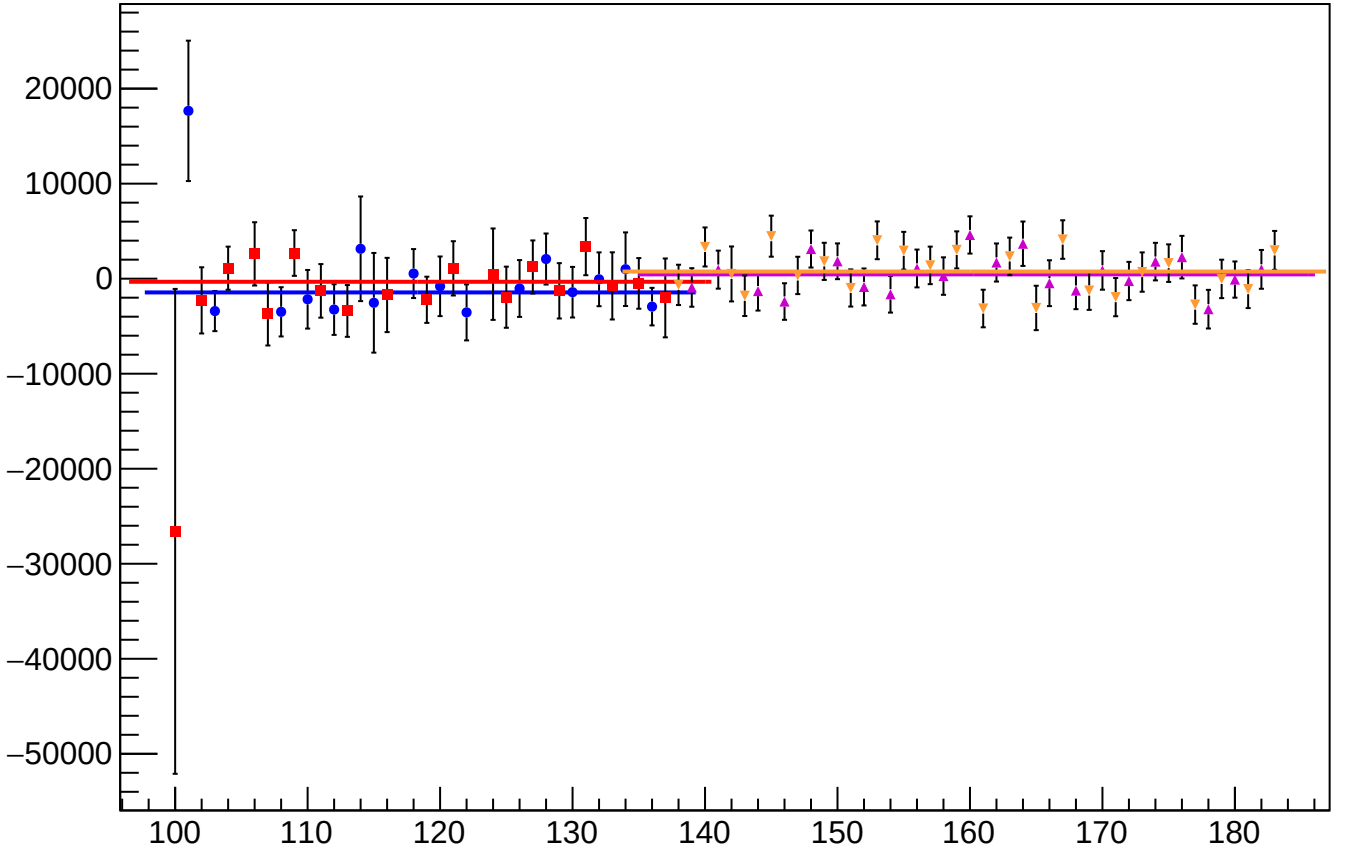
+ sign -0.000+/-0.000 χ^2/NDF: 31.9/39

All: 0.000+/-0.000 χ^2/NDF: 76.3/80

- sign 0.000+/-0.000 χ^2/NDF: 41.8/40


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2109060.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2721670.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2271900.5/18
Left In: 0.000+/-0.000 χ²/NDF:3300590.3/21
+ sign 0.000+/-0.000 χ²/NDF: 5595687.7/39
All: 0.000+/-0.000 χ²/NDF: 12083998.7/80
- sign 0.000+/-0.000 χ²/NDF: 6450095.7/40

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 751.634+/-418.274 χ^2/NDF:31.1/23

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

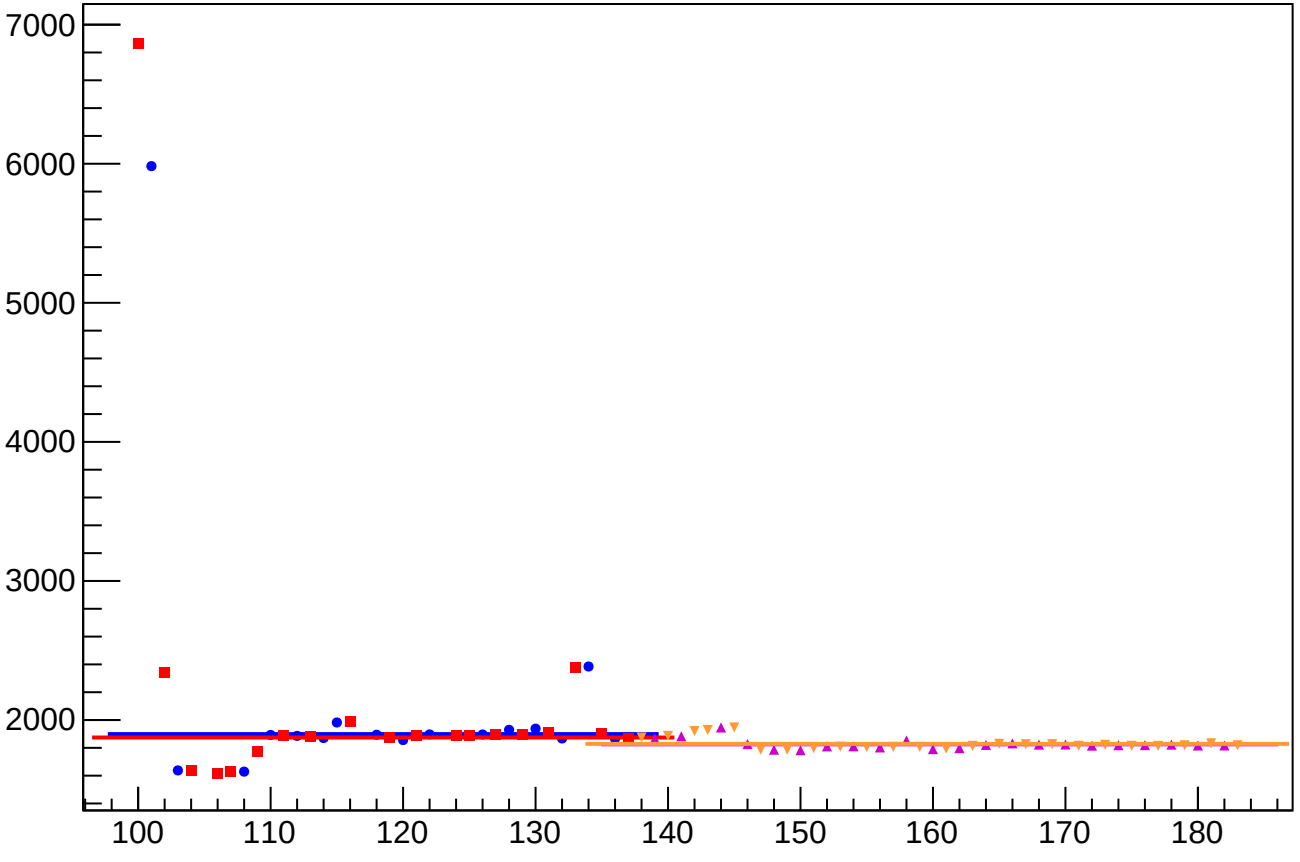
Left In: 451.736+/-429.745 χ^2/NDF:20.0/21

+ sign 200.571+/-362.069 χ^2/NDF: 51.5/39

All: 220.057+/-257.613 χ^2/NDF: 82.3/80

- sign 240.036+/-366.613 χ^2/NDF: 30.8/40

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1828.600+/-0.296 χ^2/NDF:19223.1/23

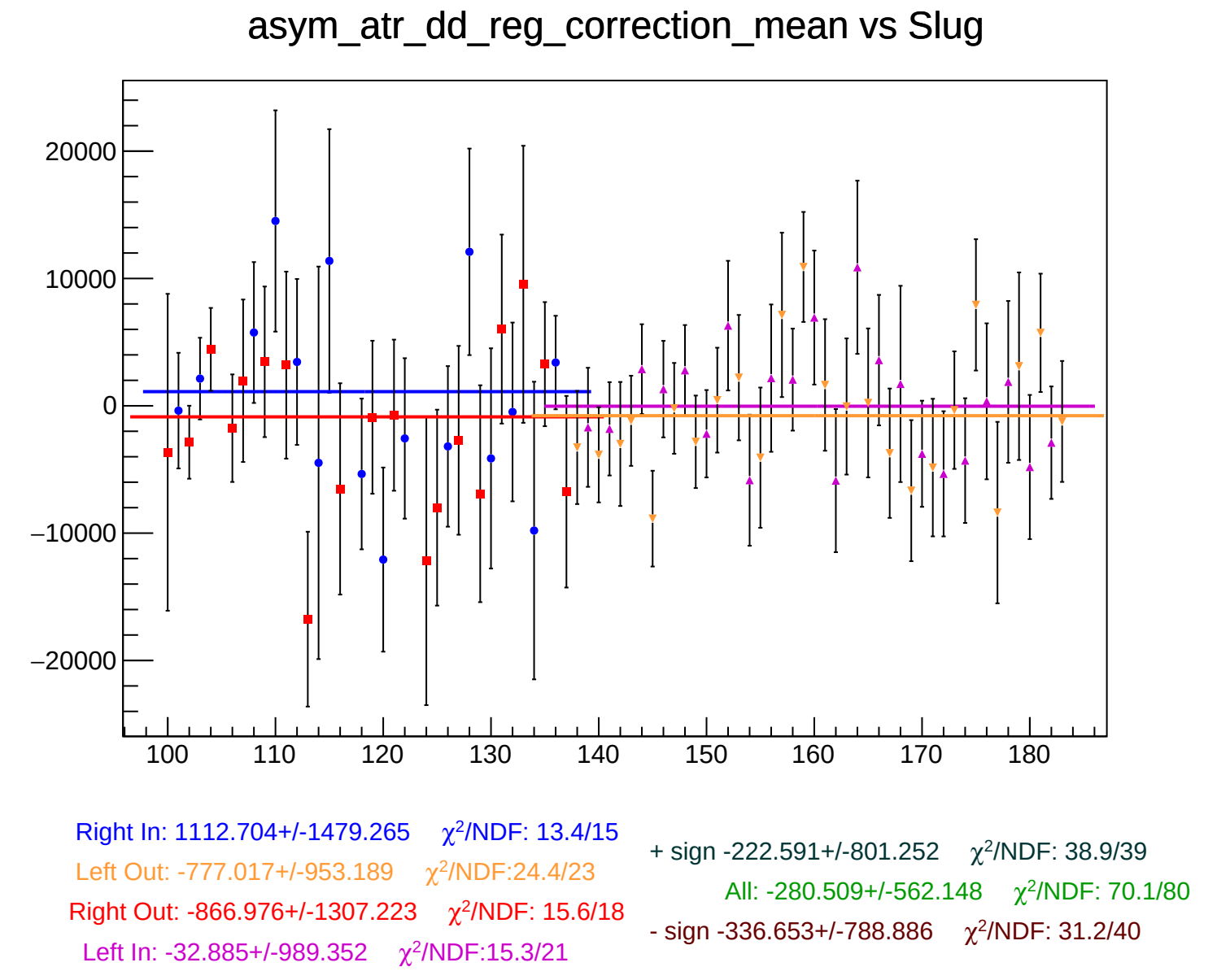
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1825.284+/-0.304 χ^2/NDF:13350.8/21

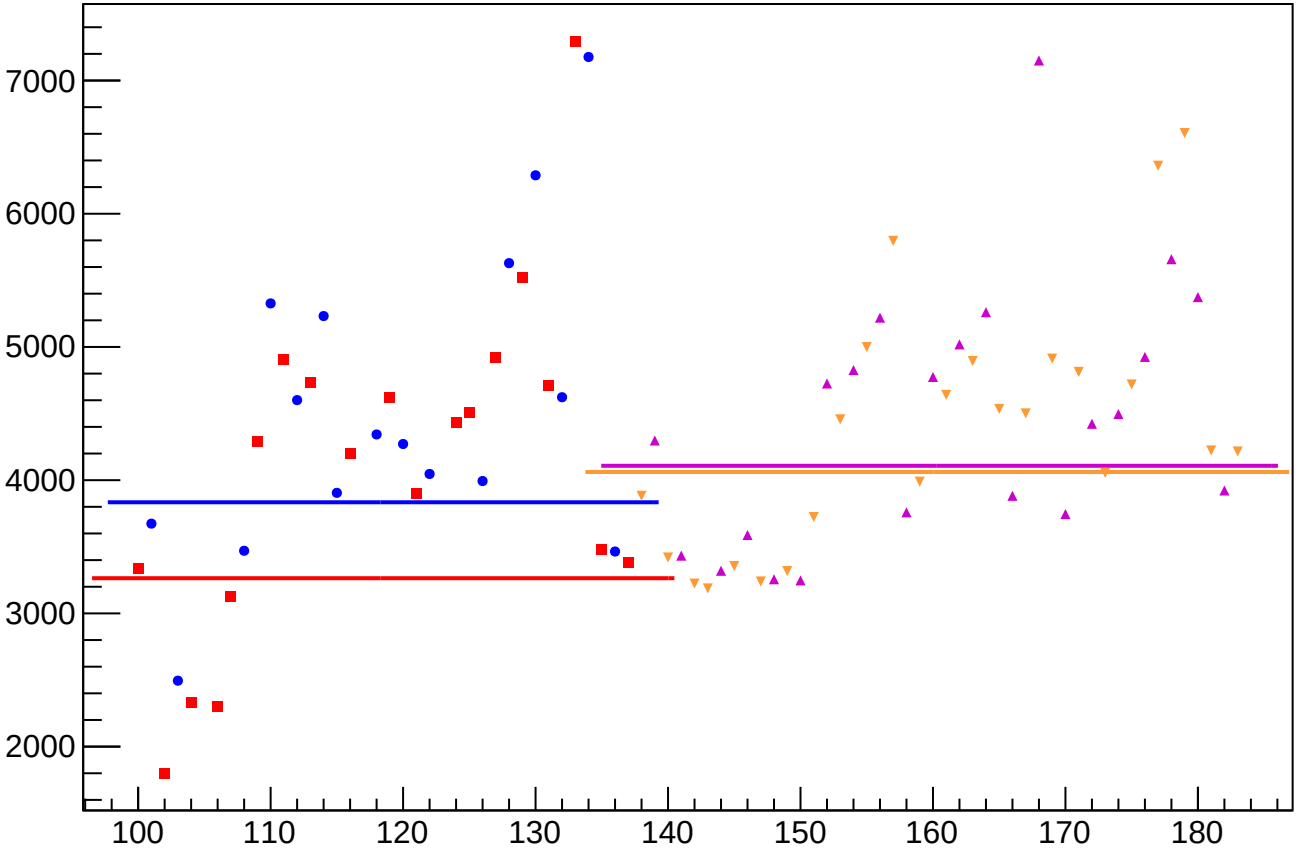
+ sign 1846.205+/-0.256 χ^2/NDF: 730870.7/39

All: 1842.486+/-0.182 χ^2/NDF: 959410.1/80

- sign 1838.680+/-0.259 χ^2/NDF: 228112.5/40


asym_atr_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -777.017+/-953.189 χ²/NDF:24.4/23
Right Out: -866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -32.885+/-989.352 χ²/NDF:15.3/21
+ sign -222.591+/-801.252 χ²/NDF: 38.9/39
All: -280.509+/-562.148 χ²/NDF: 70.1/80
- sign -336.653+/-788.886 χ²/NDF: 31.2/40

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 4061.435+/-0.674 χ^2/NDF:1404569.9/23

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

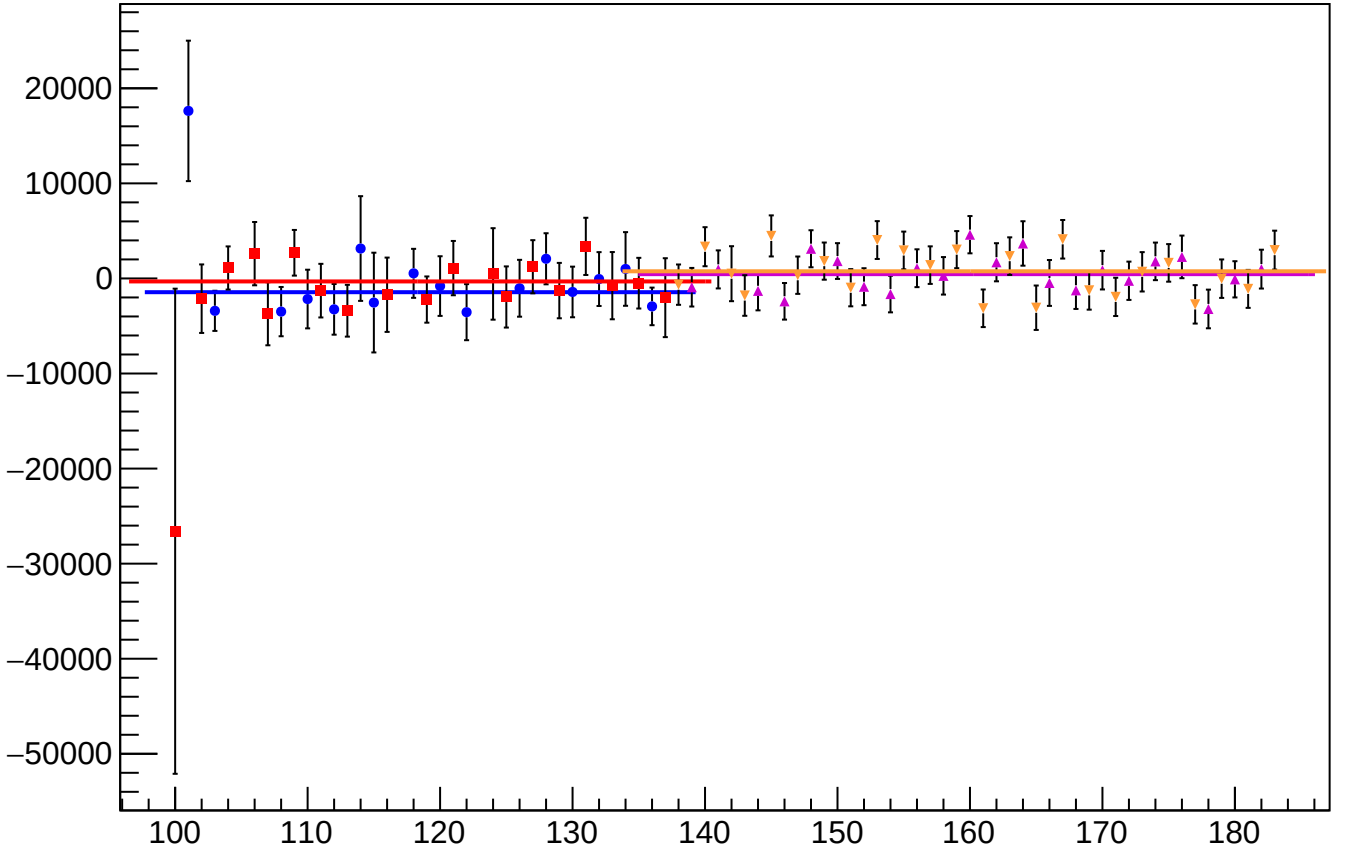
Left In: 4108.082+/-0.700 χ^2/NDF:1358473.1/21

+ sign 3994.756+/-0.567 χ^2/NDF: 2394703.9/39

All: 3896.227+/-0.397 χ^2/NDF: 6207023.3/80

- sign 3800.716+/-0.558 χ^2/NDF: 3752760.5/40

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 751.706+/-418.274 χ^2/NDF:31.1/23

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

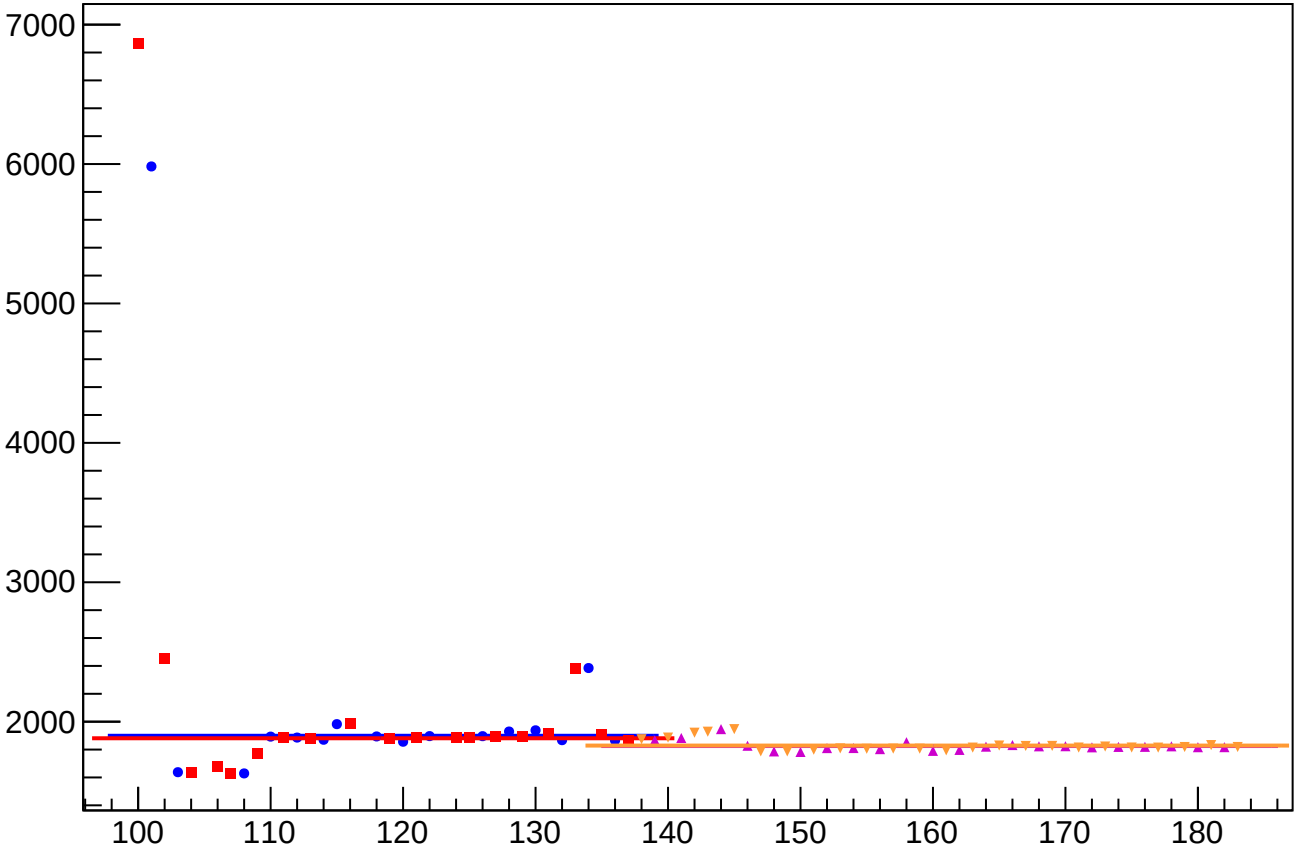
Left In: 451.609+/-429.745 χ^2/NDF:20.0/21

+ sign 200.528+/-362.069 χ^2/NDF: 51.5/39

All: 221.588+/-257.660 χ^2/NDF: 82.2/80

- sign 243.197+/-366.747 χ^2/NDF: 30.7/40

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.600+/-0.296 χ^2/NDF:19223.1/23

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

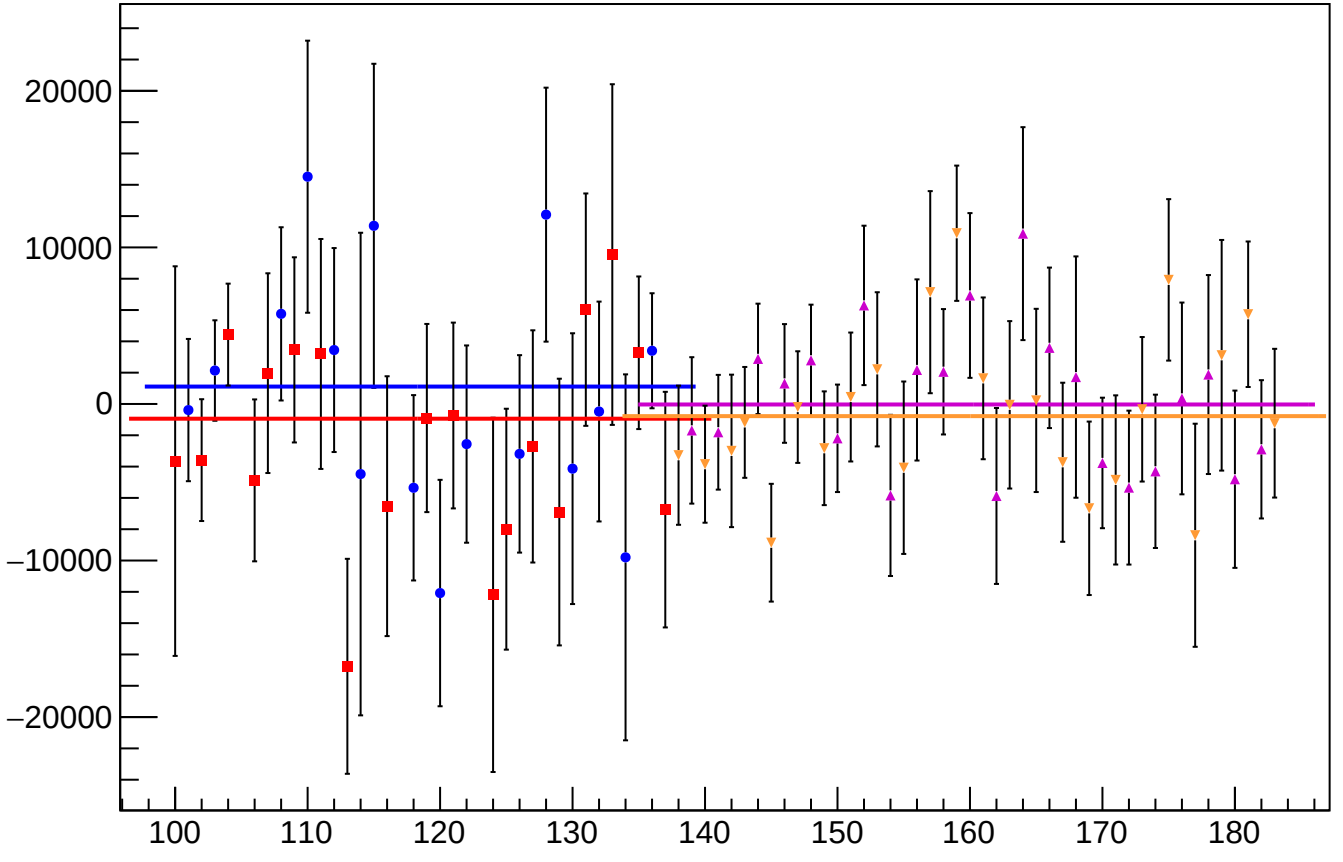
Left In: 1825.284+/-0.304 χ^2/NDF:13350.8/21

+ sign 1846.205+/-0.256 χ^2/NDF: 730870.8/39

All: 1843.367+/-0.182 χ^2/NDF: 970191.6/80

- sign 1840.458+/-0.259 χ^2/NDF: 239072.0/40

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -777.018+/-953.189 χ^2/NDF:24.4/23

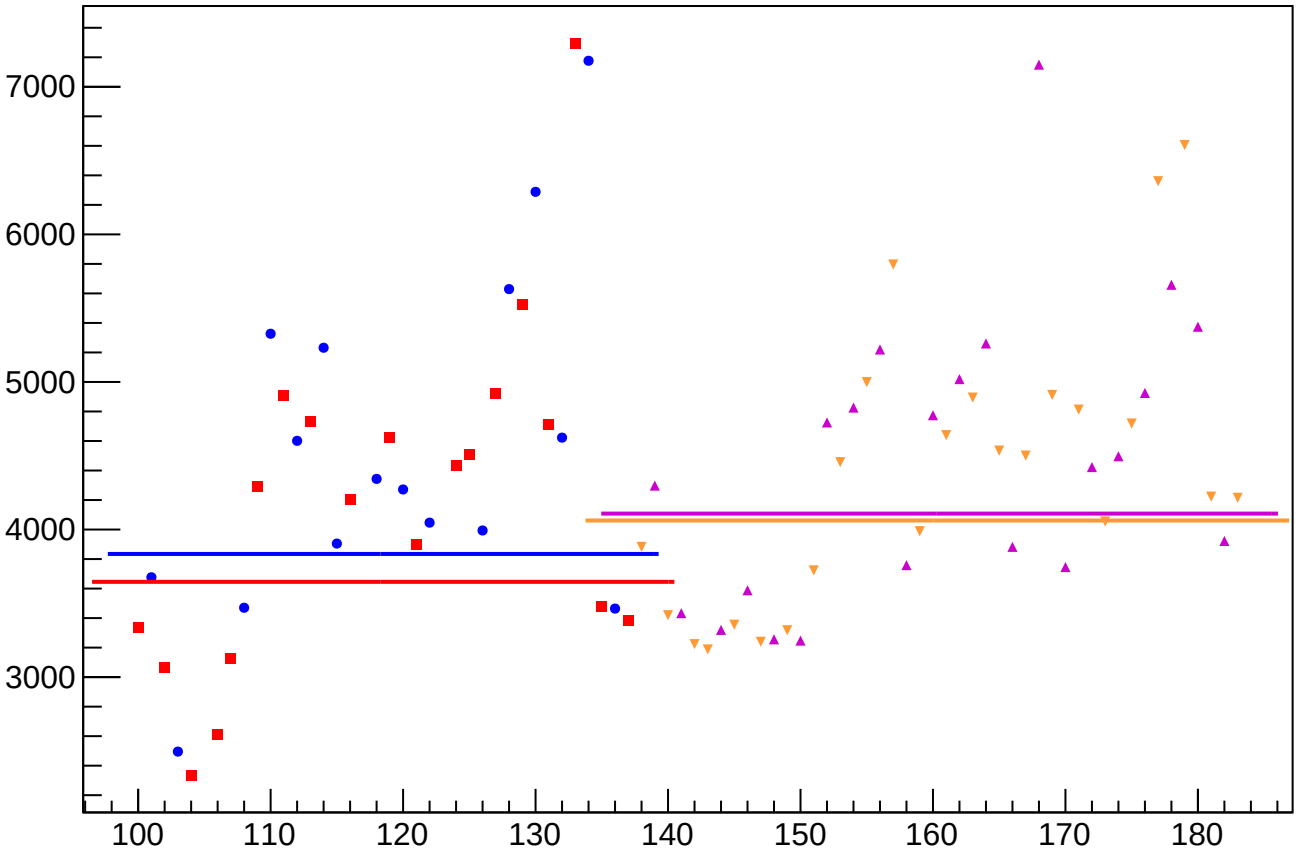
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -32.891+/-989.351 χ^2/NDF:15.3/21

+ sign -223.027+/-801.279 χ^2/NDF: 38.9/39

All: -278.832+/-568.871 χ^2/NDF: 70.7/80

- sign -335.544+/-807.771 χ^2/NDF: 31.8/40



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4061.432+/-0.674 χ^2/NDF:1404564.3/23

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

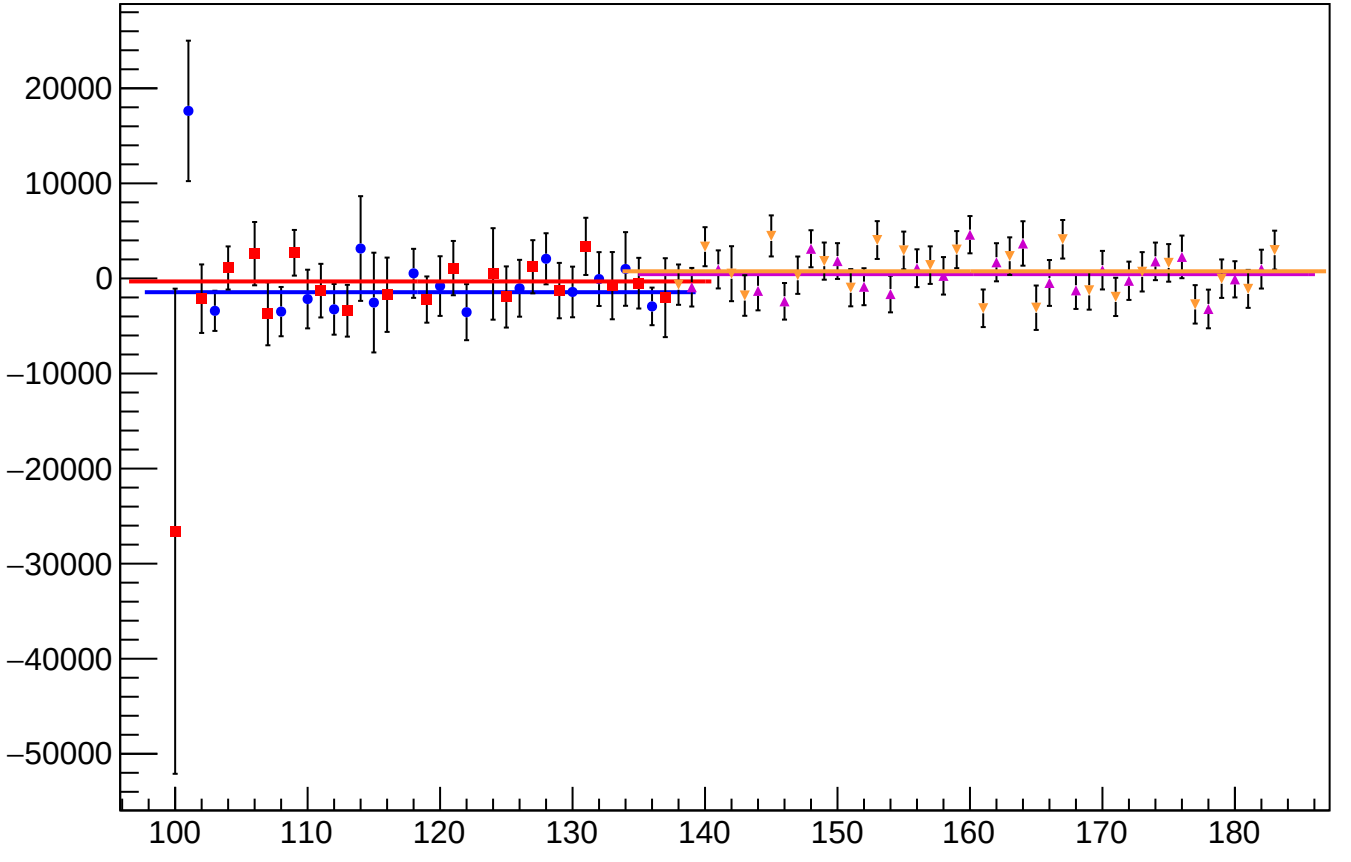
Left In: 4108.077+/-0.700 χ^2/NDF:1358480.5/21

+ sign 3994.919+/-0.567 χ^2/NDF: 2394074.4/39

All: 3974.587+/-0.402 χ^2/NDF: 5025774.8/80

- sign 3953.924+/-0.571 χ^2/NDF: 2629103.9/40

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 751.706+/-418.274 χ^2/NDF:31.1/23

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

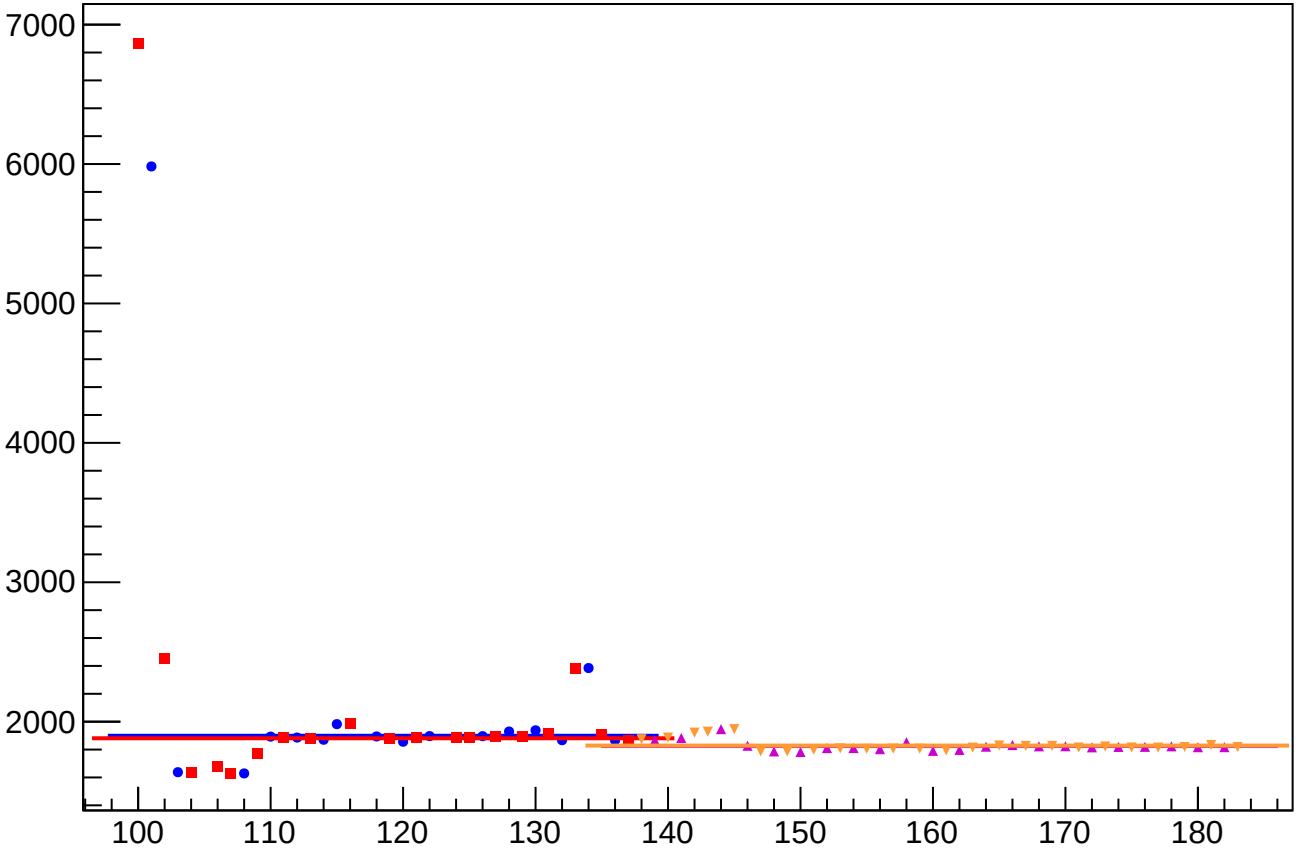
Left In: 451.609+/-429.745 χ^2/NDF:20.0/21

+ sign 200.528+/-362.069 χ^2/NDF: 51.5/39

All: 221.588+/-257.660 χ^2/NDF: 82.2/80

- sign 243.197+/-366.747 χ^2/NDF: 30.7/40

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.600+/-0.296 χ^2/NDF:19223.1/23

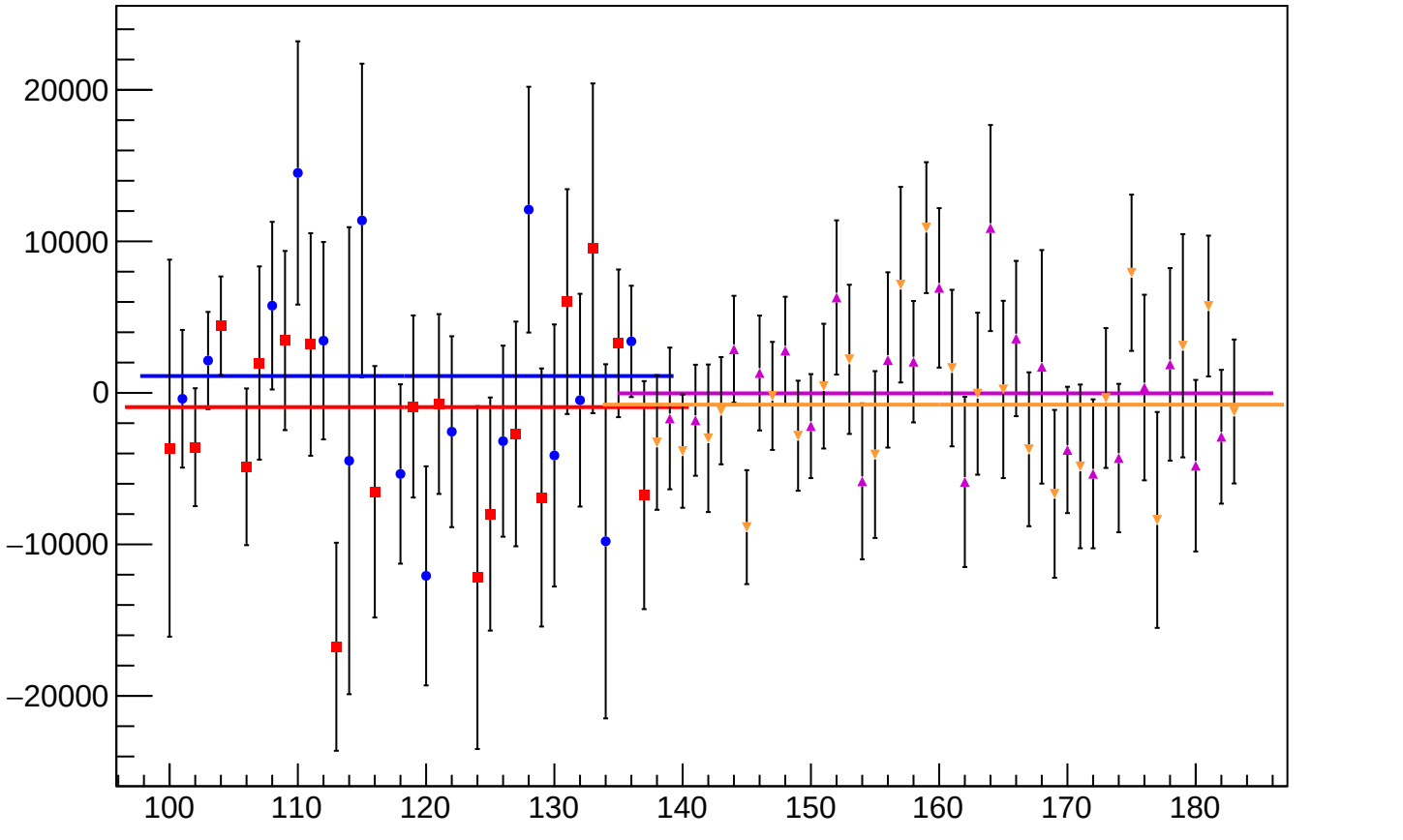
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.284+/-0.304 χ^2/NDF:13350.8/21

+ sign 1846.205+/-0.256 χ^2/NDF: 730870.8/39

All: 1843.367+/-0.182 χ^2/NDF: 970191.6/80

- sign 1840.458+/-0.259 χ^2/NDF: 239072.0/40



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -777.018+/-953.189 χ^2/NDF:24.4/23

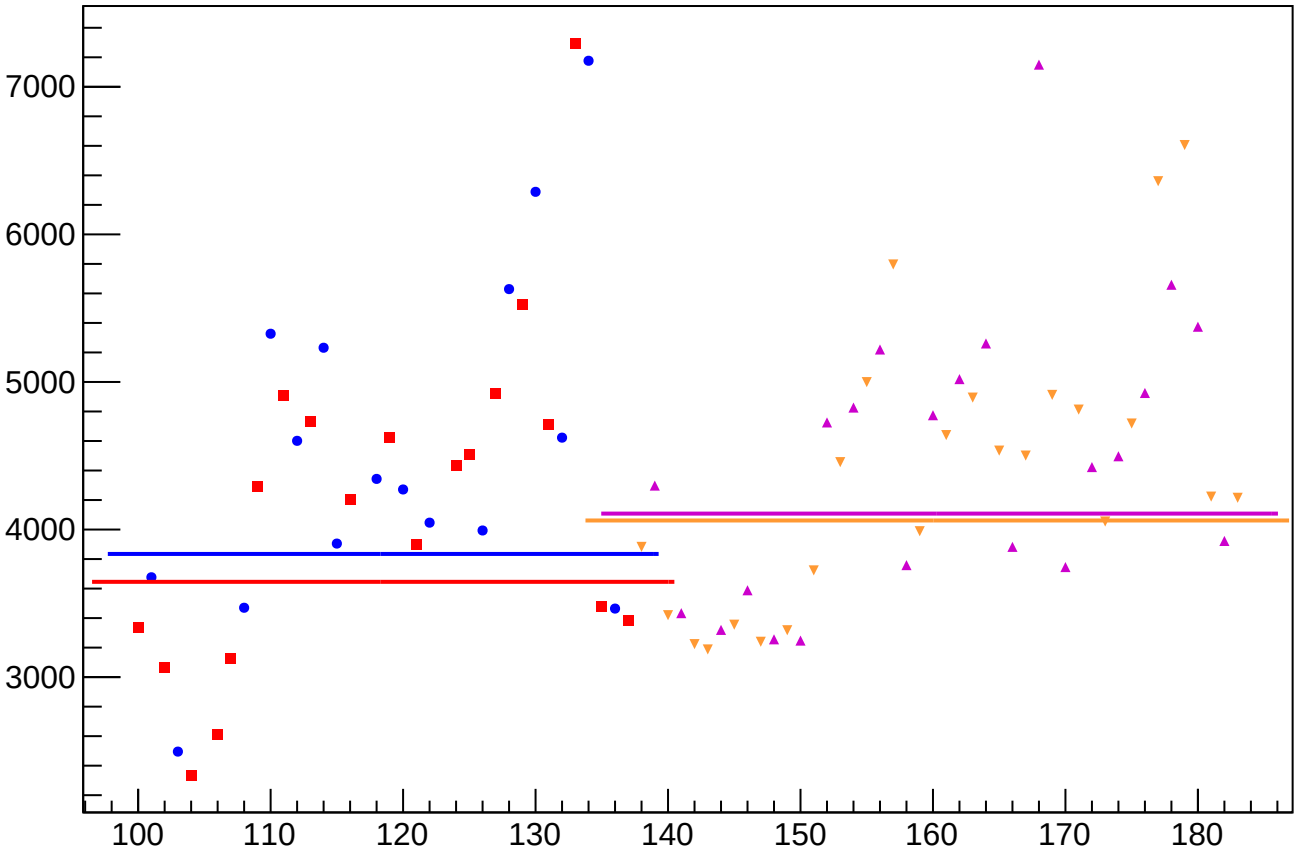
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -32.891+/-989.351 χ^2/NDF:15.3/21

+ sign -223.027+/-801.279 χ^2/NDF: 38.9/39

All: -278.832+/-568.871 χ^2/NDF: 70.7/80

- sign -335.544+/-807.771 χ^2/NDF: 31.8/40



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4061.432+/-0.674 χ^2/NDF:1404564.3/23

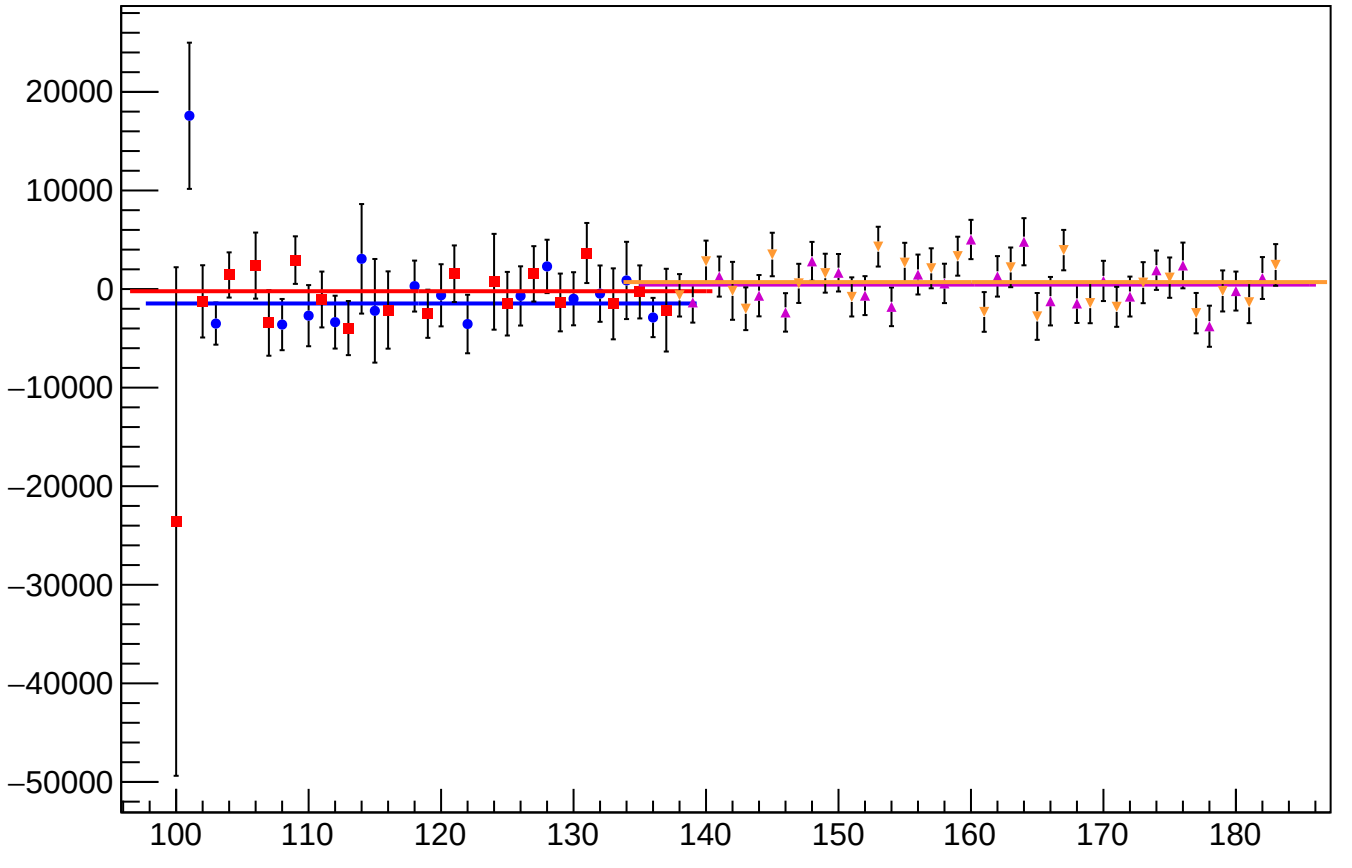
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4108.077+/-0.700 χ^2/NDF:1358480.5/21

+ sign 3994.919+/-0.567 χ^2/NDF: 2394074.4/39

All: 3974.587+/-0.402 χ^2/NDF: 5025774.8/80

- sign 3953.924+/-0.571 χ^2/NDF: 2629103.9/40



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 706.571+/-426.084 χ^2/NDF:26.1/23

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

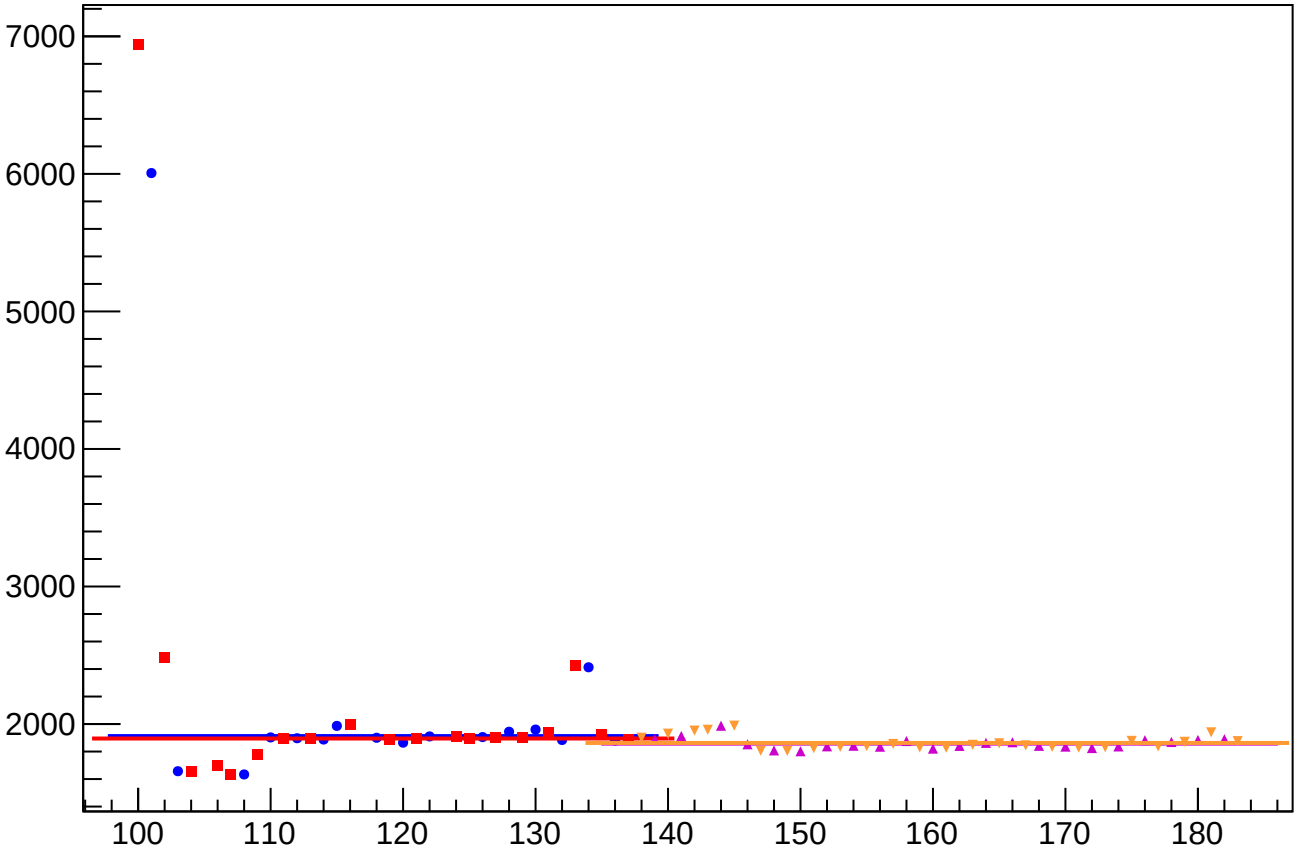
Left In: 450.613+/-437.429 χ^2/NDF:23.1/21

+ sign 153.406+/-367.766 χ^2/NDF: 46.3/39

All: 208.893+/-261.623 χ^2/NDF: 80.9/80

- sign 265.743+/-372.255 χ^2/NDF: 34.6/40

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1862.432+/-0.301 χ^2/NDF:25632.0/23

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

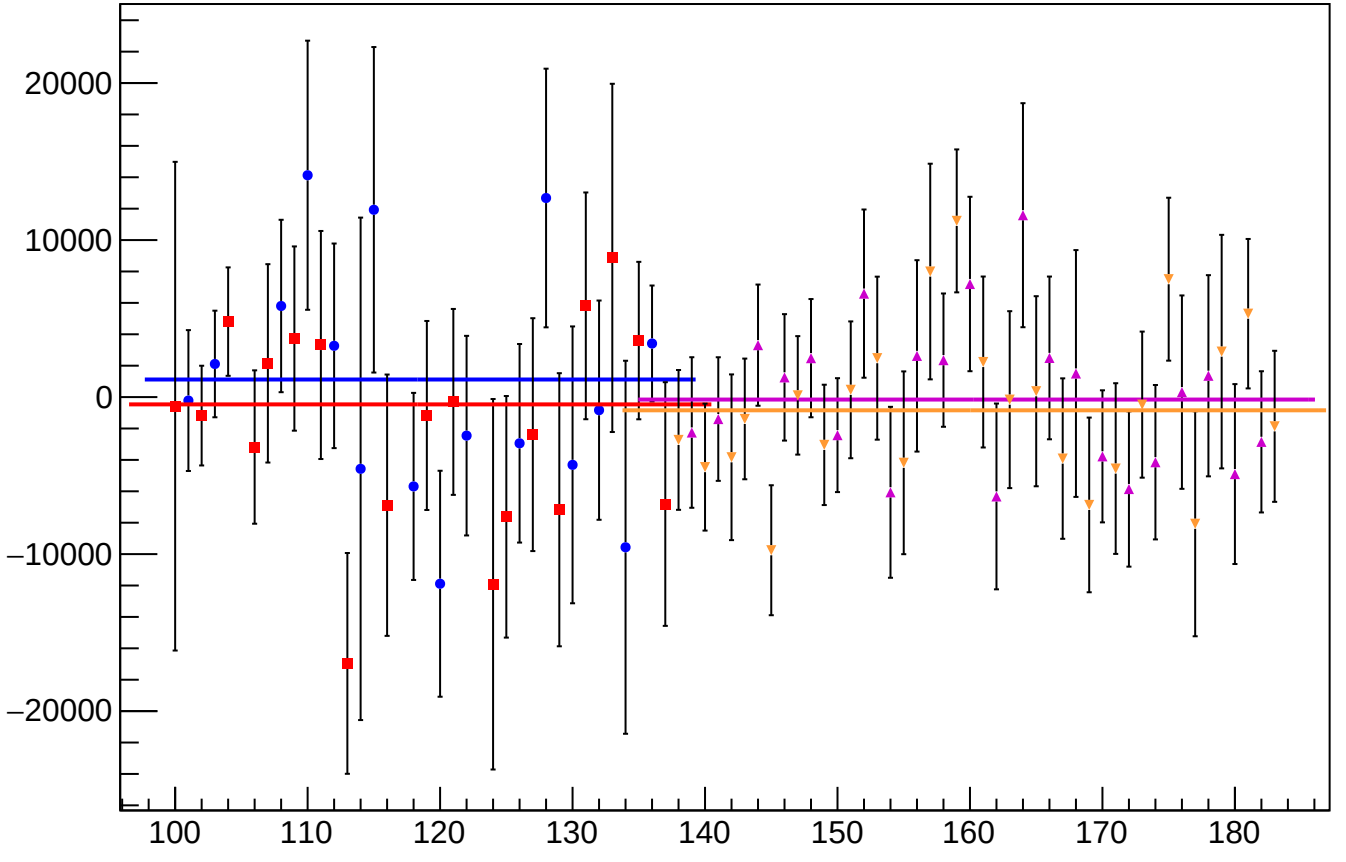
Left In: 1857.690+/-0.309 χ^2/NDF:16380.5/21

+ sign 1875.168+/-0.260 χ^2/NDF: 728860.5/39

All: 1871.592+/-0.185 χ^2/NDF: 969373.7/80

- sign 1867.930+/-0.263 χ^2/NDF: 240130.5/40

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -841.675+/-996.953 χ^2/NDF:23.8/23

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

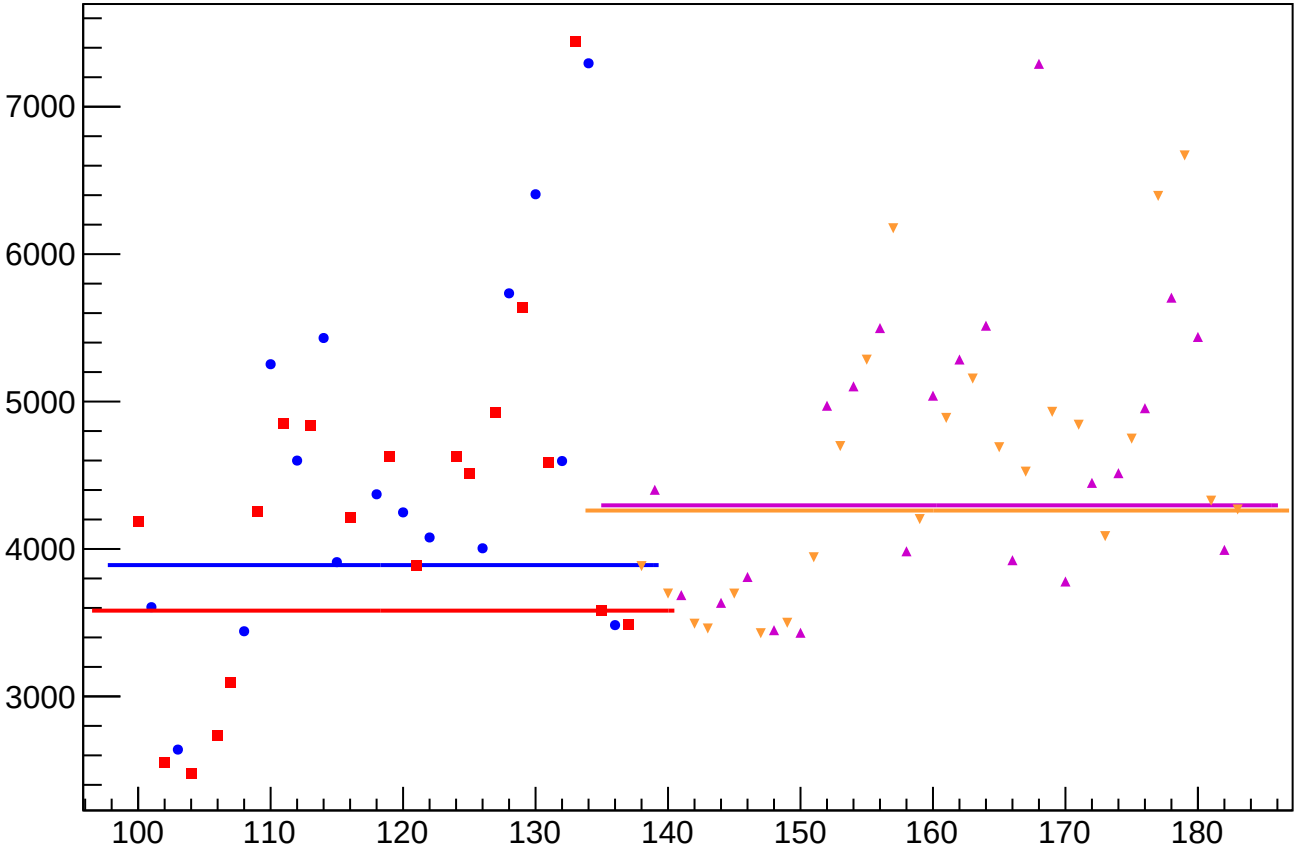
Left In: -157.191+/-1032.505 χ^2/NDF:15.1/21

+ sign -239.280+/-829.897 χ^2/NDF: 38.5/39

All: -253.920+/-584.992 χ^2/NDF: 68.6/80

- sign -268.379+/-824.734 χ^2/NDF: 30.2/40

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4260.840+/-0.705 χ^2/NDF:1190549.6/23

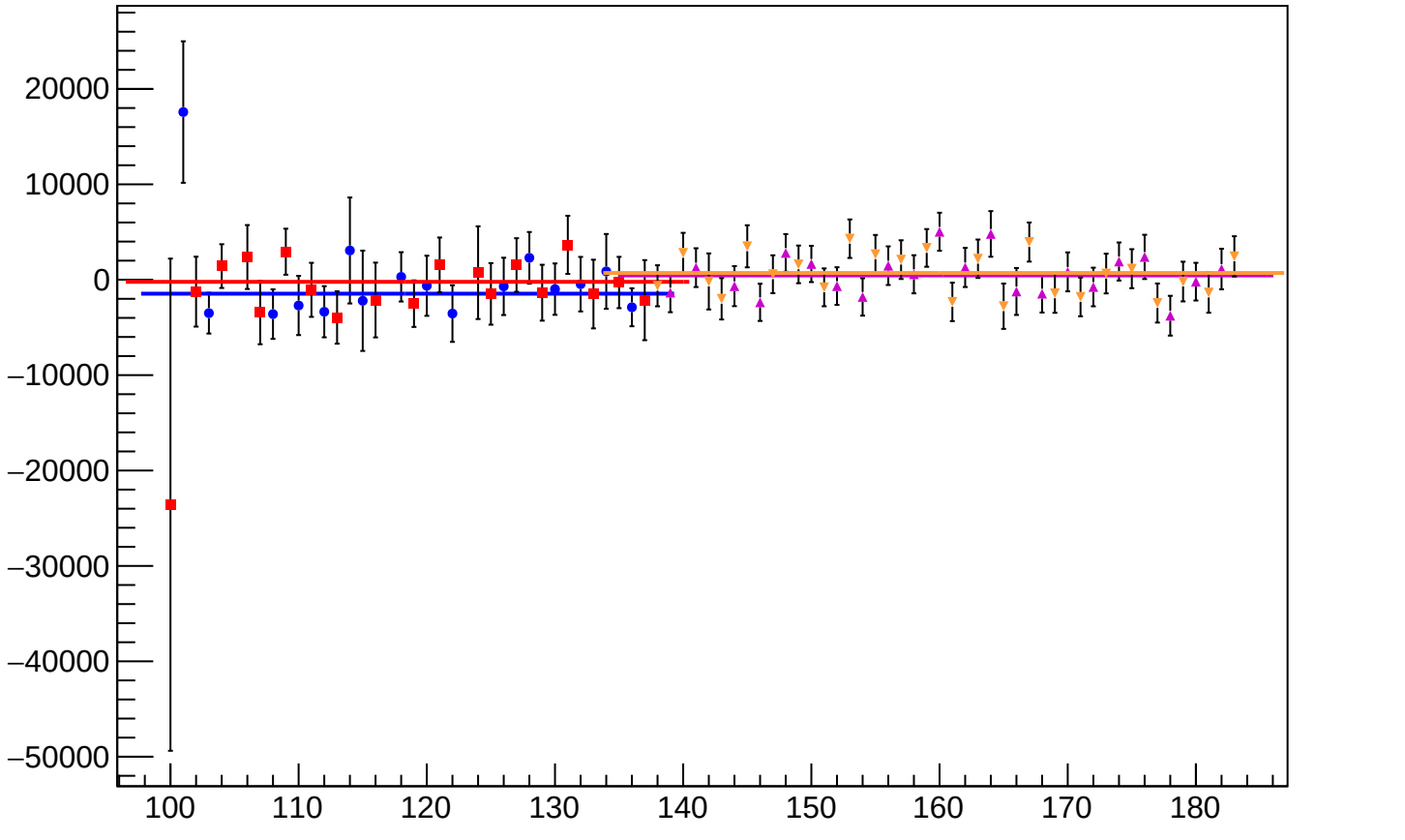
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4296.047+/-0.730 χ^2/NDF:1210869.6/21

+ sign 4147.189+/-0.587 χ^2/NDF: 2153614.2/39

All: 4092.006+/-0.414 χ^2/NDF: 4950361.0/80

- sign 4037.507+/-0.583 χ^2/NDF: 2779170.5/40



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 706.576+/-426.084 χ^2/NDF:26.1/23

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

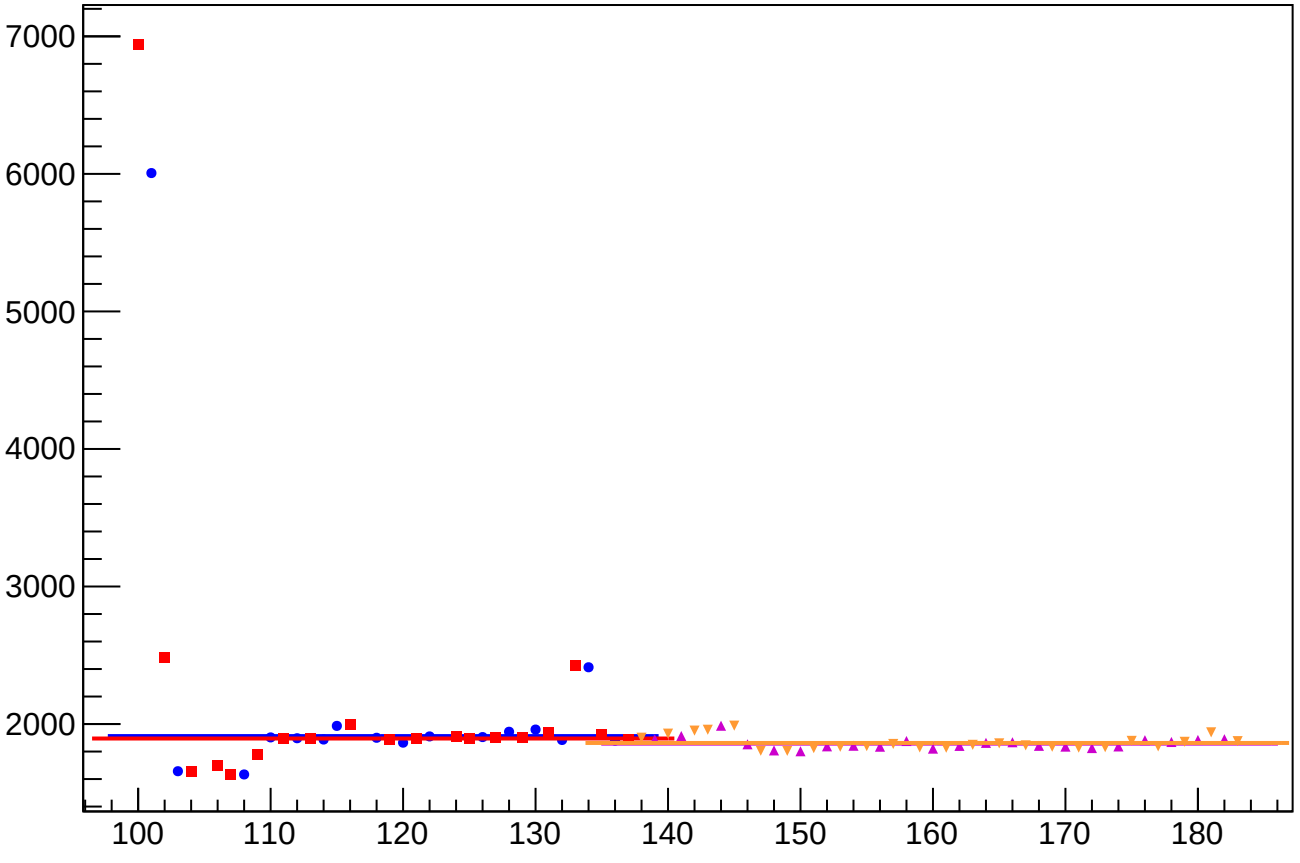
Left In: 450.613+/-437.429 χ^2/NDF:23.1/21

+ sign 153.409+/-367.766 χ^2/NDF: 46.3/39

All: 208.895+/-261.623 χ^2/NDF: 80.9/80

- sign 265.745+/-372.255 χ^2/NDF: 34.6/40

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1862.432+/-0.301 χ^2/NDF:25632.0/23

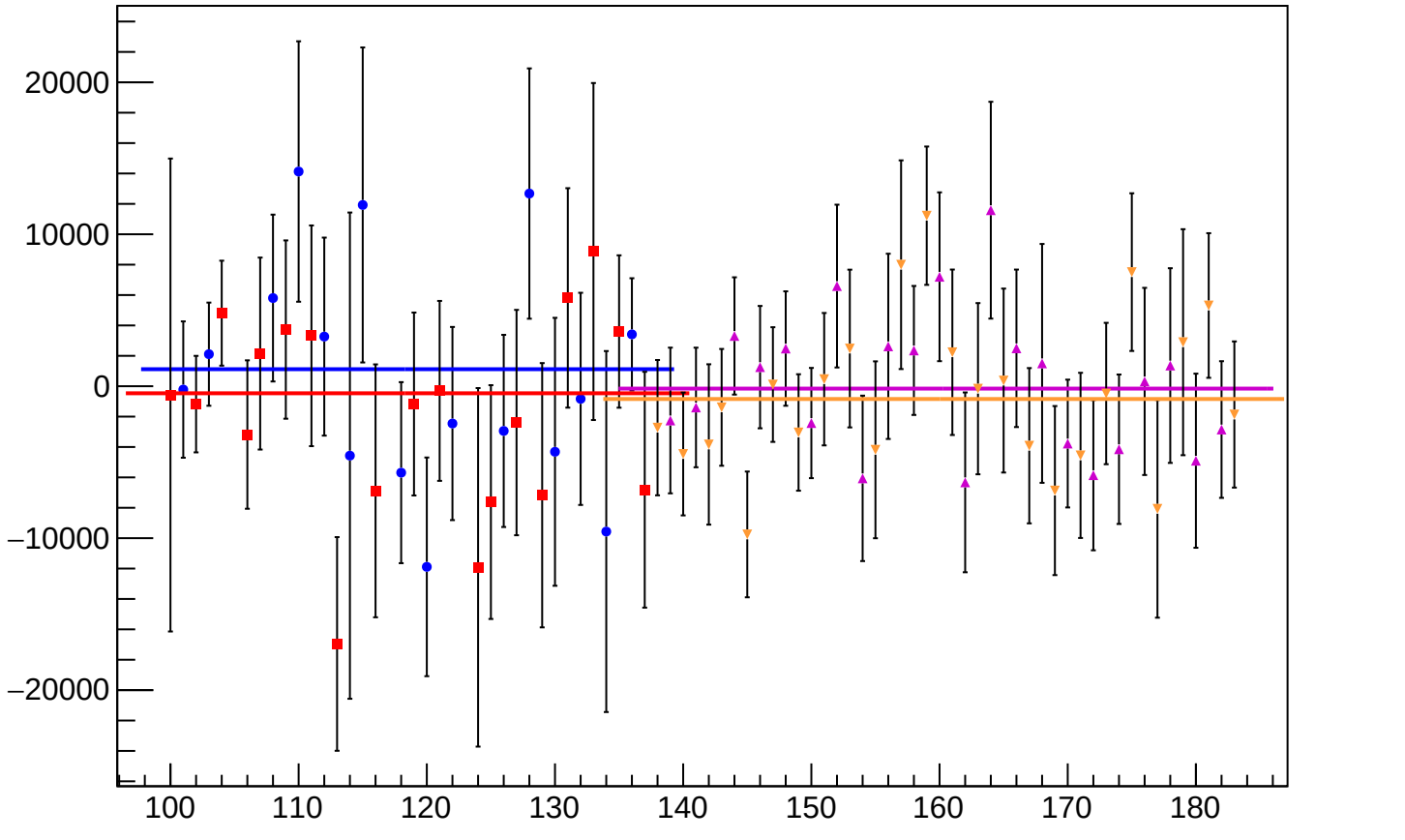
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.690+/-0.309 χ^2/NDF:16380.4/21

+ sign 1875.169+/-0.260 χ^2/NDF: 728860.1/39

All: 1871.593+/-0.185 χ^2/NDF: 969373.1/80

- sign 1867.931+/-0.263 χ^2/NDF: 240130.2/40



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -841.673+/-996.955 χ^2/NDF:23.8/23

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

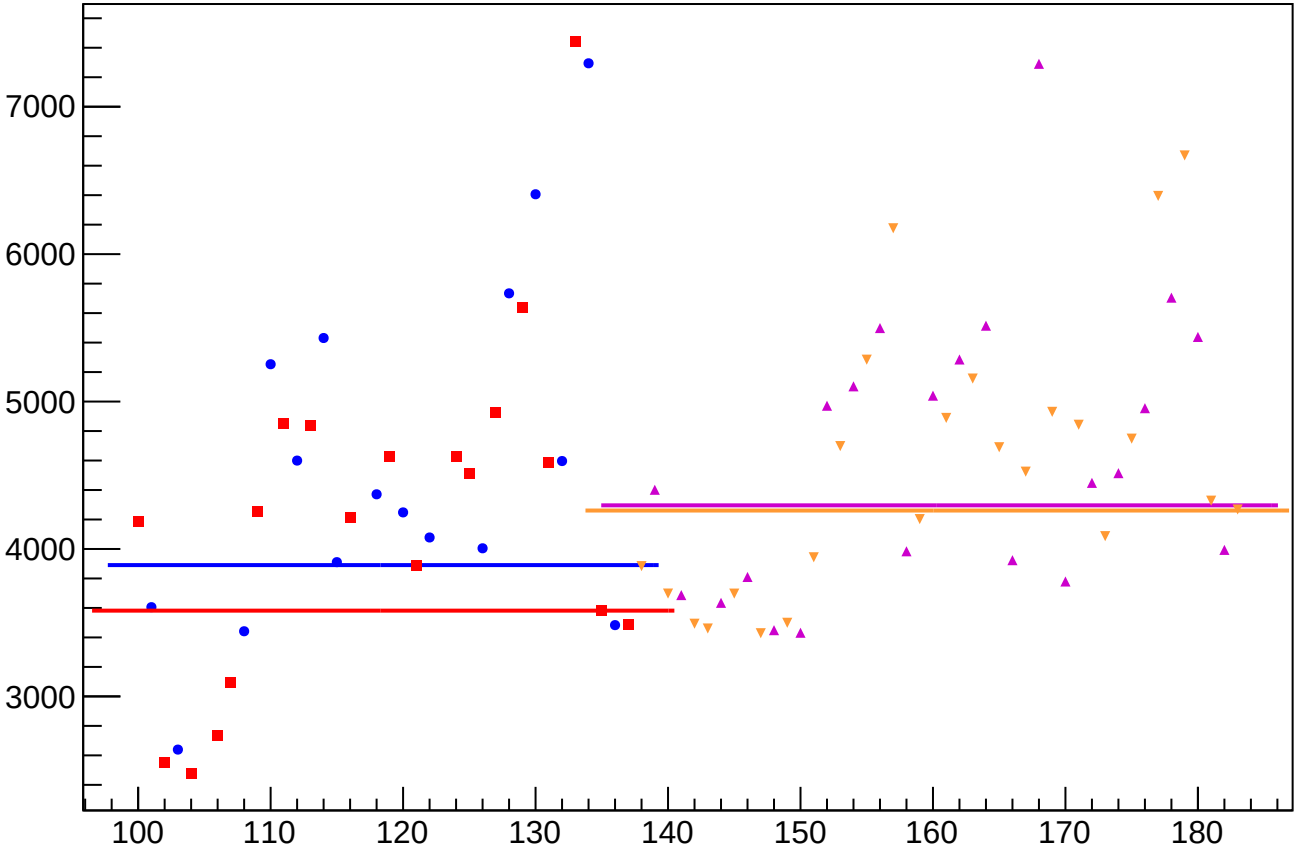
Left In: -157.193+/-1032.507 χ^2/NDF:15.1/21

+ sign -239.281+/-829.898 χ^2/NDF: 38.5/39

All: -253.921+/-584.992 χ^2/NDF: 68.6/80

- sign -268.380+/-824.735 χ^2/NDF: 30.2/40

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4260.846+/-0.705 χ^2/NDF:1190552.4/23

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

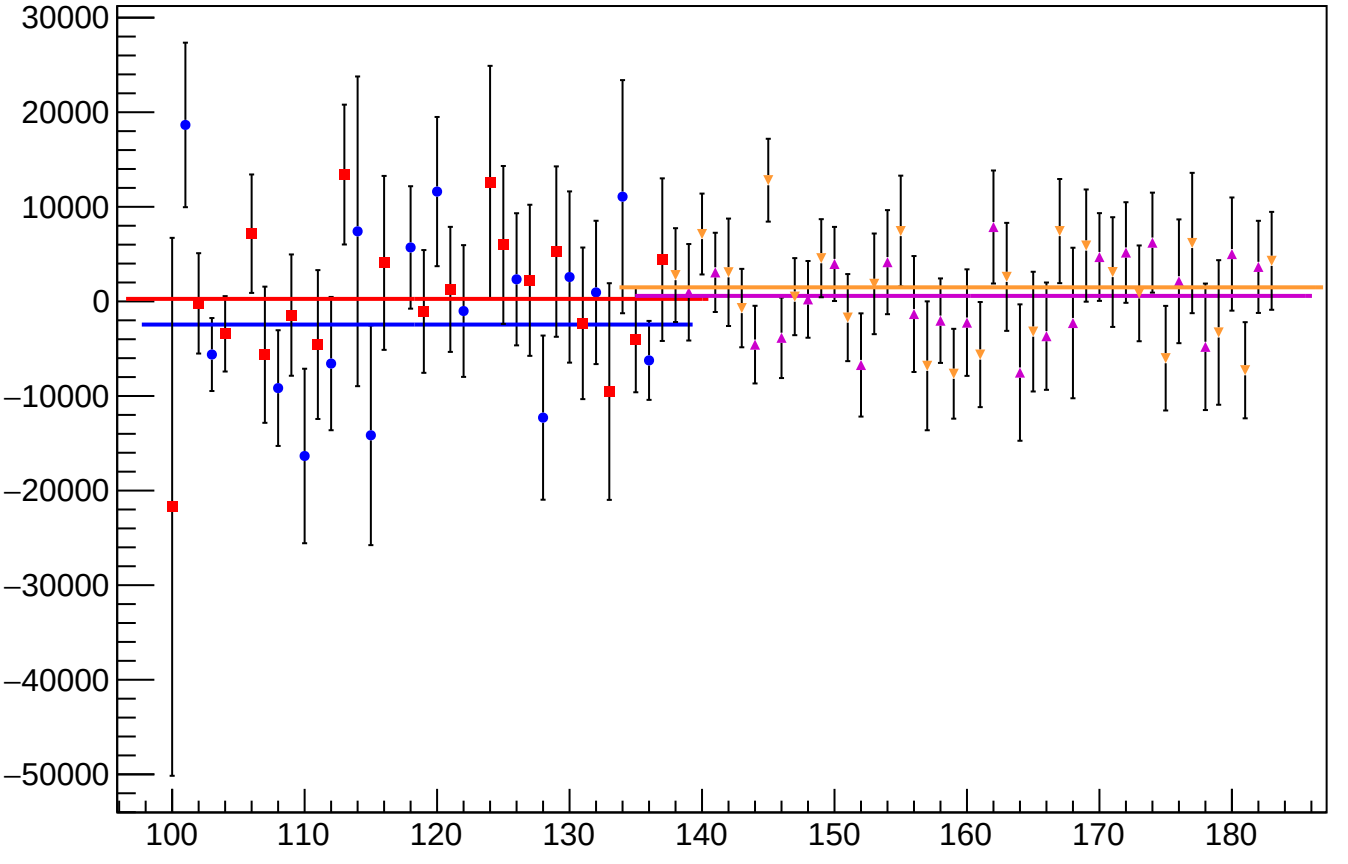
Left In: 4296.054+/-0.730 χ^2/NDF:1210875.5/21

+ sign 4147.192+/-0.587 χ^2/NDF: 2153612.4/39

All: 4092.008+/-0.414 χ^2/NDF: 4950366.1/80

- sign 4037.509+/-0.583 χ^2/NDF: 2779176.9/40

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1489.153+/-1056.814 χ^2/NDF:26.1/23

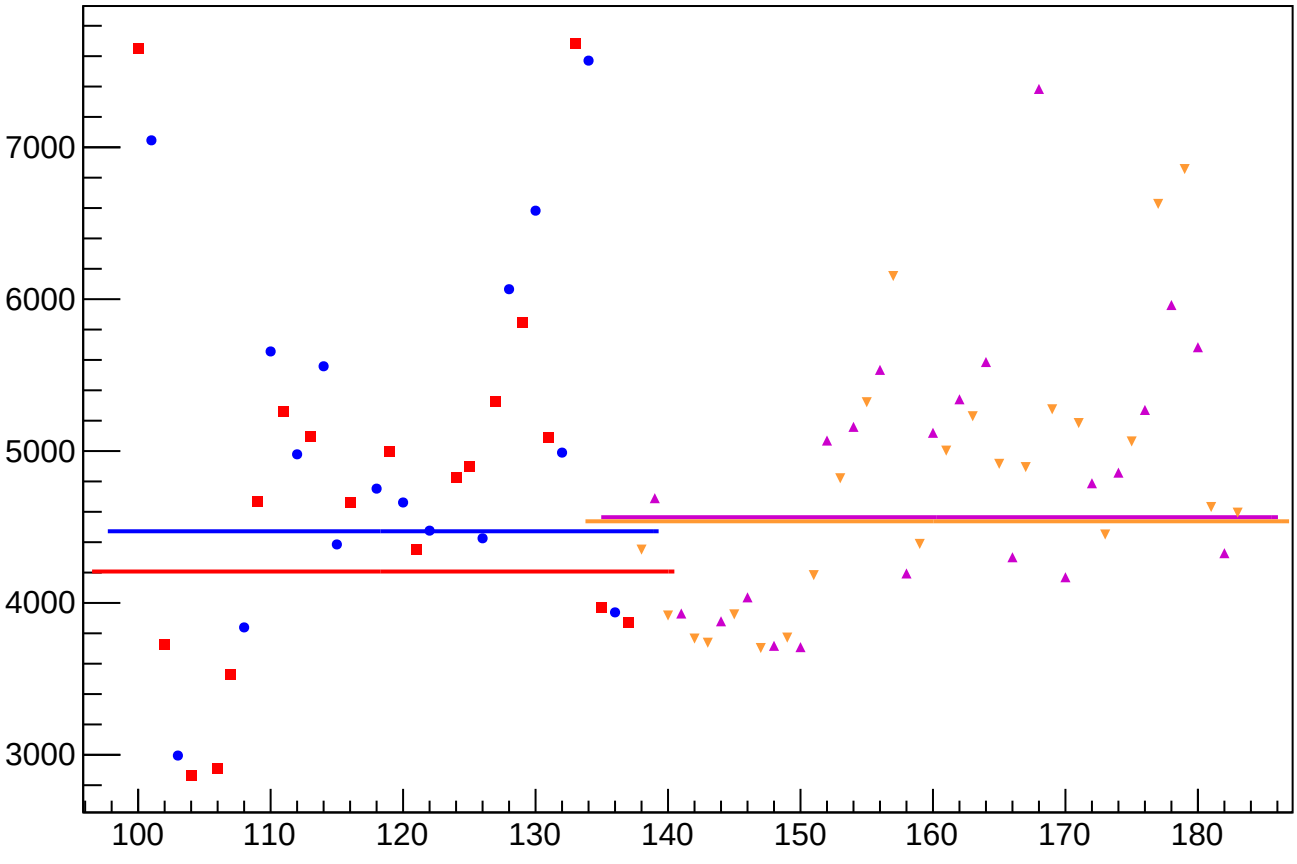
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 582.183+/-1092.220 χ^2/NDF:14.4/21

\+ sign 409.795+/-900.385 χ^2/NDF: 50.8/39

All: 446.443+/-638.667 χ^2/NDF: 75.9/80

\- sign 483.554+/-906.066 χ^2/NDF: 25.2/40



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4537.569+/-0.747 χ^2/NDF:992887.9/23

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

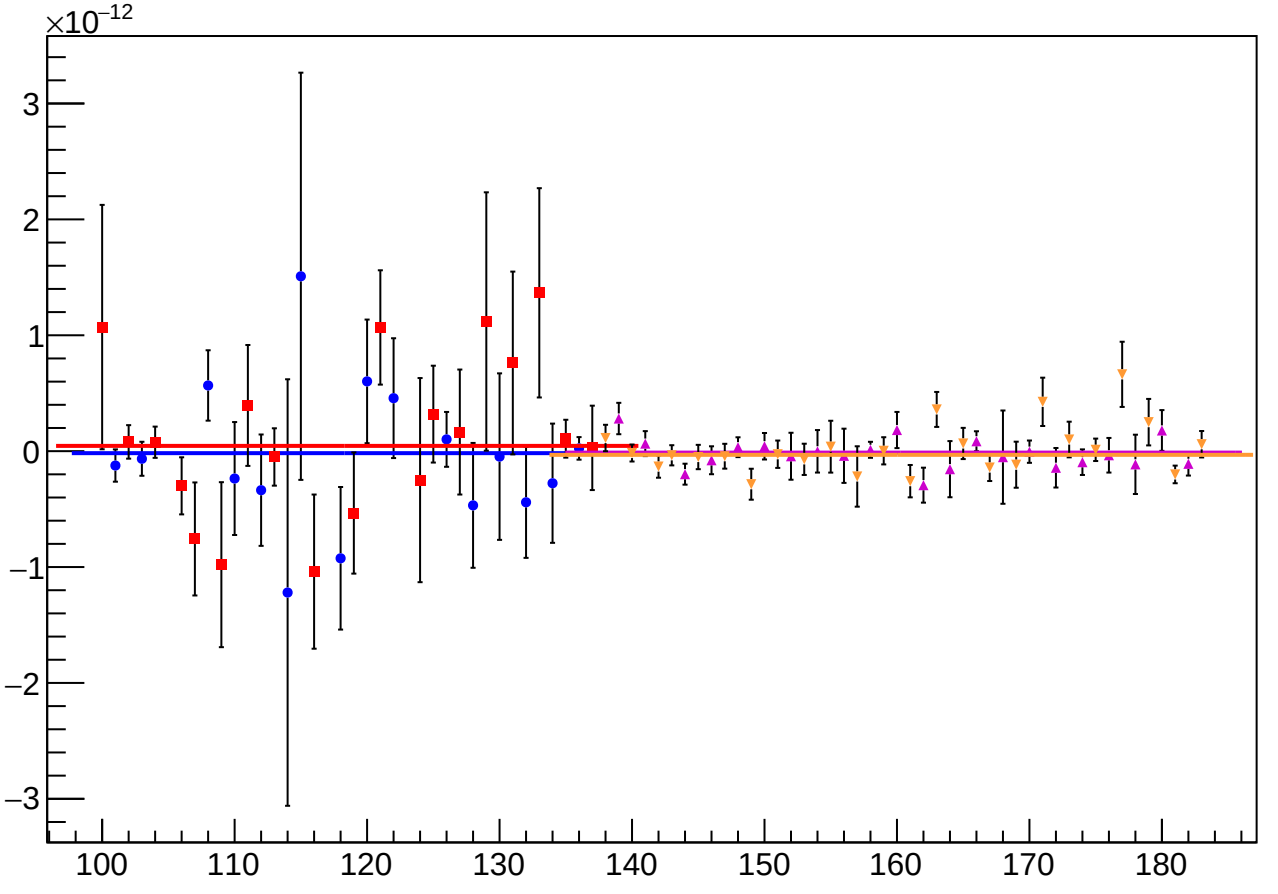
Left In: 4564.497+/-0.772 χ^2/NDF:978749.8/21

+ sign 4519.568+/-0.637 χ^2/NDF: 1886683.0/39

All: 4485.776+/-0.451 χ^2/NDF: 3785217.7/80

- sign 4451.731+/-0.639 χ^2/NDF: 1892879.3/40

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.6/23

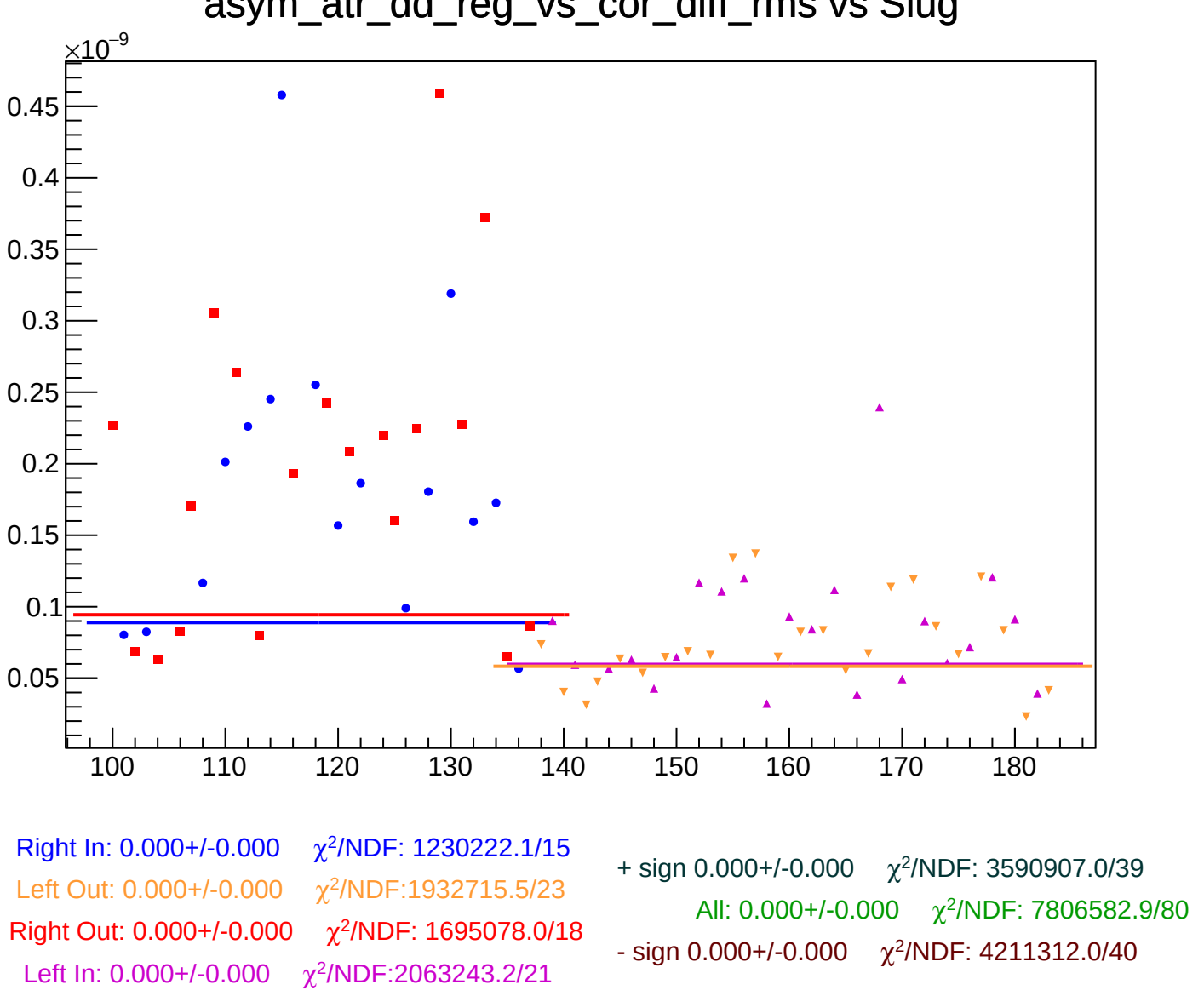
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.6/21

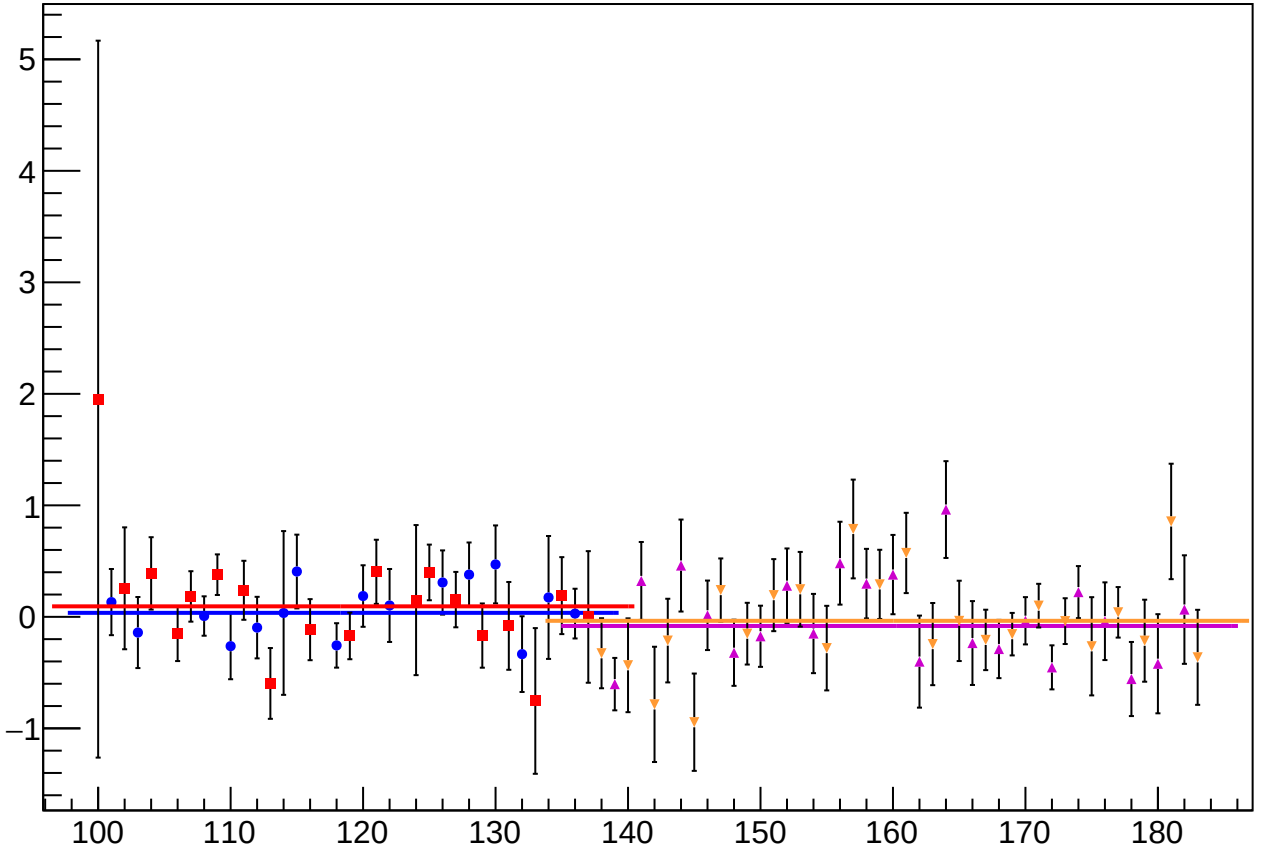
+ sign -0.000+/-0.000 χ^2/NDF: 50.4/39

All: -0.000+/-0.000 χ^2/NDF: 93.4/80

- sign -0.000+/-0.000 χ^2/NDF: 42.4/40


asym_atr_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1932715.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:2063243.2/21
+ sign 0.000+/-0.000 χ²/NDF: 3590907.0/39
All: 0.000+/-0.000 χ²/NDF: 7806582.9/80
- sign 0.000+/-0.000 χ²/NDF: 4211312.0/40

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.063 χ^2/NDF:24.4/23

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

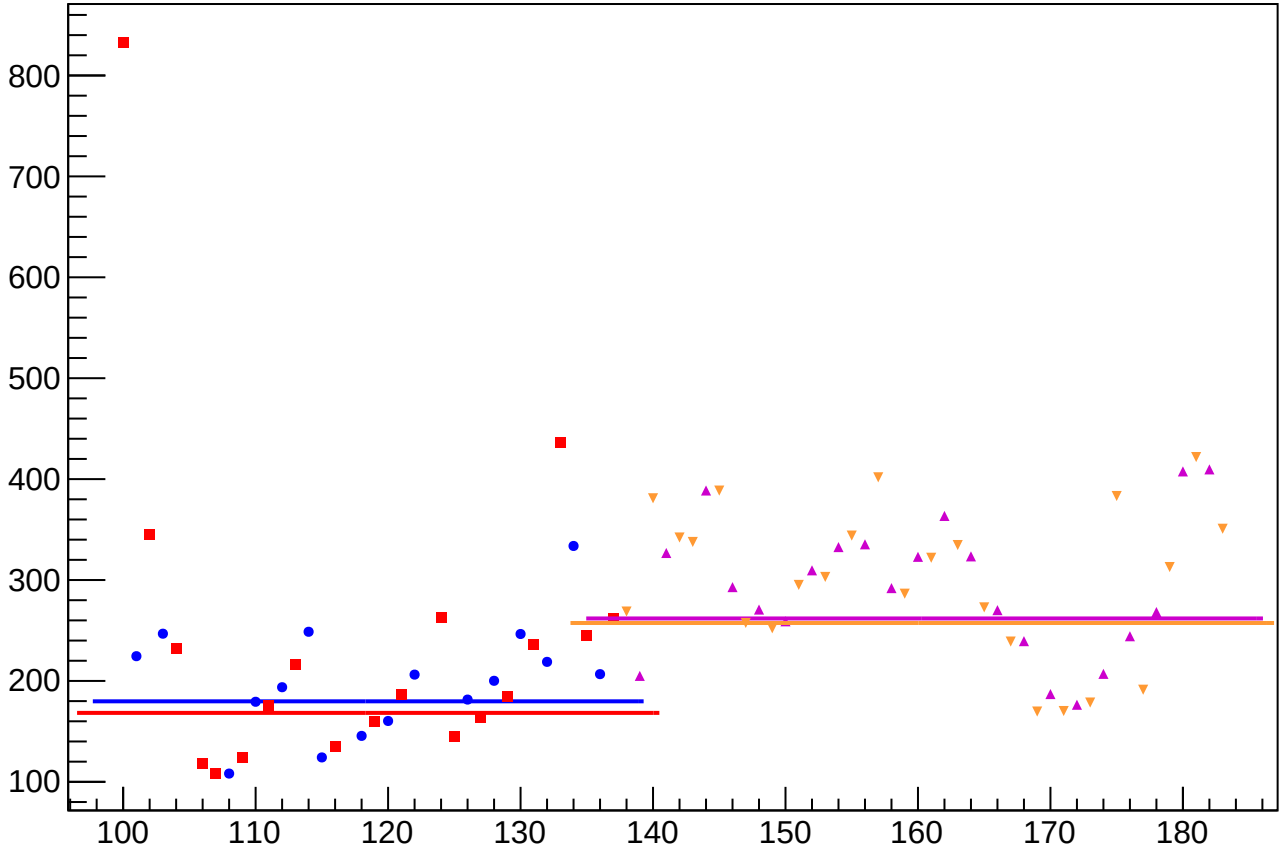
Left In: -0.082+/-0.065 χ^2/NDF:30.7/21

+ sign -0.004+/-0.047 χ^2/NDF: 35.5/39

All: -0.000+/-0.033 χ^2/NDF: 87.3/80

- sign 0.003+/-0.047 χ^2/NDF: 51.8/40

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 257.432+/-0.044 χ^2/NDF:2859125.3/23

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

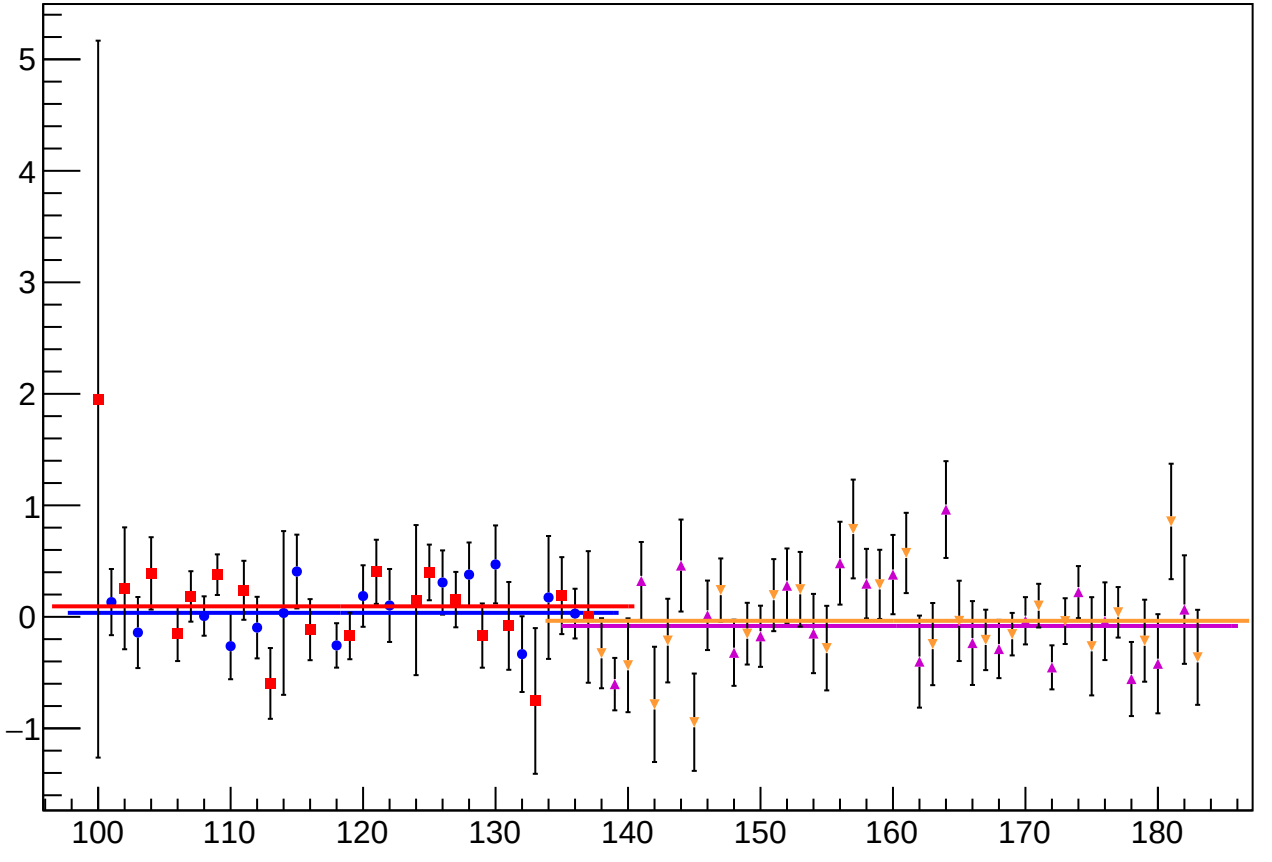
Left In: 261.918+/-0.046 χ^2/NDF:1990129.4/21

+ sign 223.108+/-0.033 χ^2/NDF: 5127720.8/39

All: 219.970+/-0.023 χ^2/NDF: 10529316.1/80

- sign 216.829+/-0.033 χ^2/NDF: 5383700.0/40

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.063 χ^2/NDF:24.4/23

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

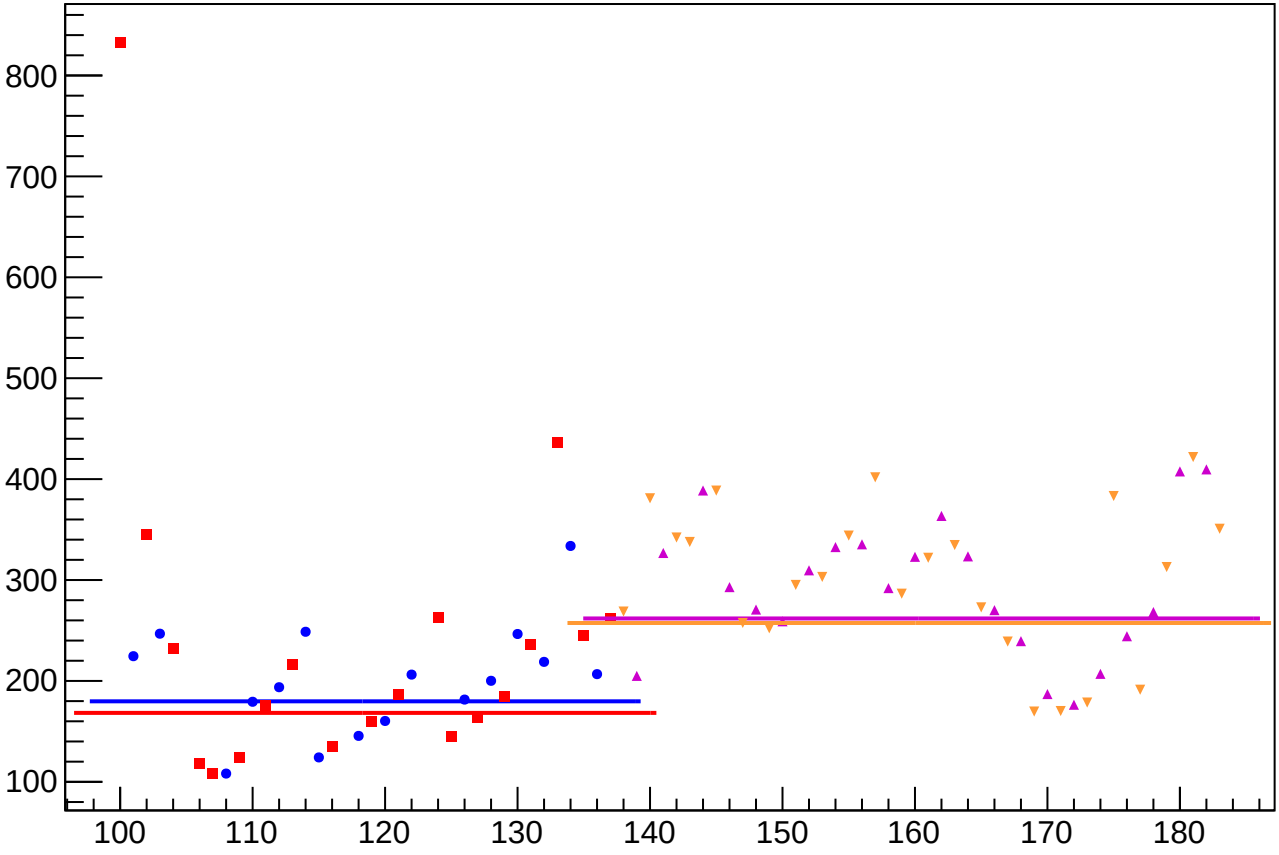
Left In: -0.082+/-0.065 χ^2/NDF:30.7/21

+ sign -0.004+/-0.047 χ^2/NDF: 35.5/39

All: -0.000+/-0.033 χ^2/NDF: 87.3/80

- sign 0.003+/-0.047 χ^2/NDF: 51.8/40

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 257.432+/-0.044 χ^2/NDF:2859125.3/23

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

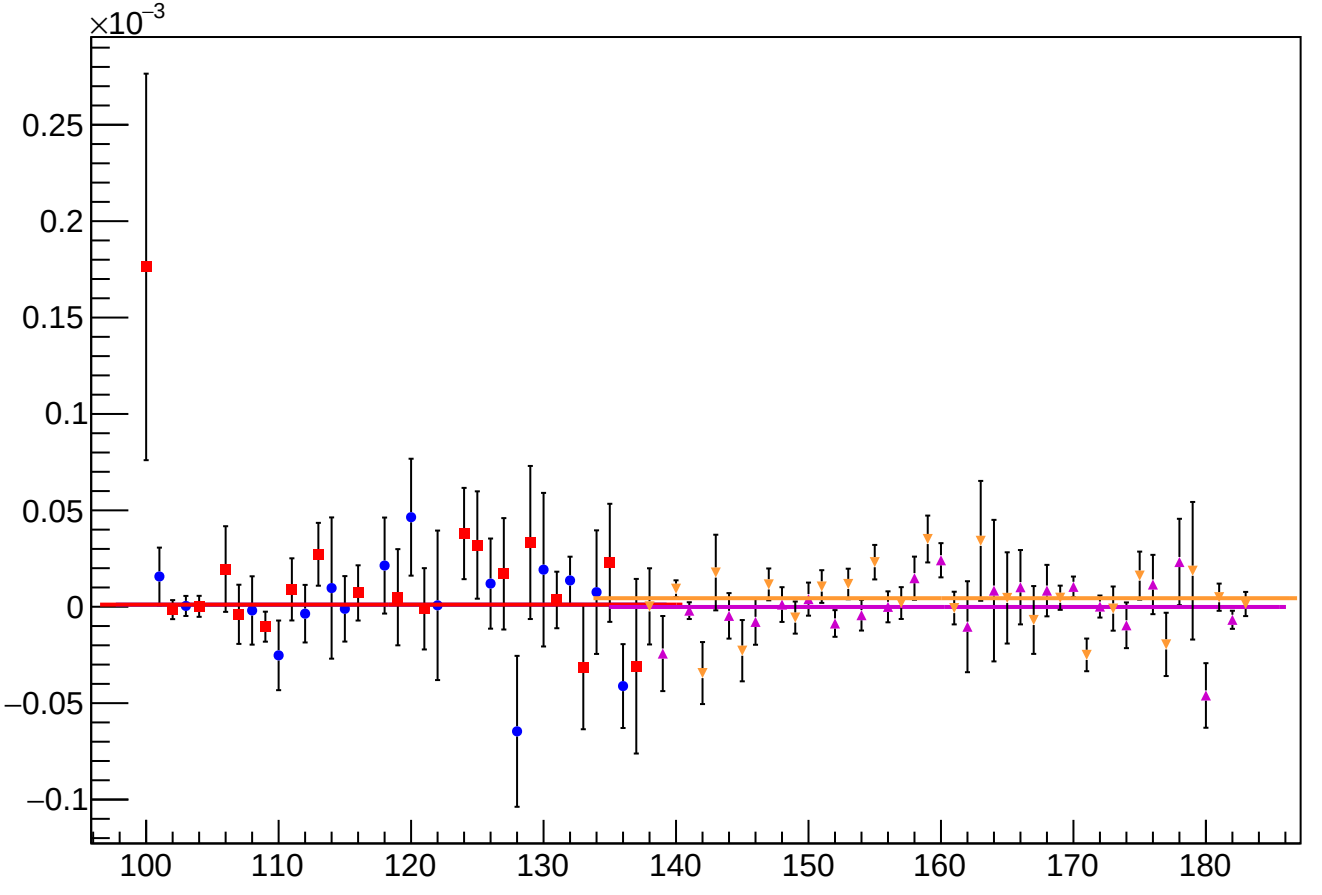
Left In: 261.918+/-0.046 χ^2/NDF:1990129.4/21

+ sign 223.108+/-0.033 χ^2/NDF: 5127720.8/39

All: 219.970+/-0.023 χ^2/NDF: 10529316.1/80

- sign 216.829+/-0.033 χ^2/NDF: 5383700.0/40

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.3/23

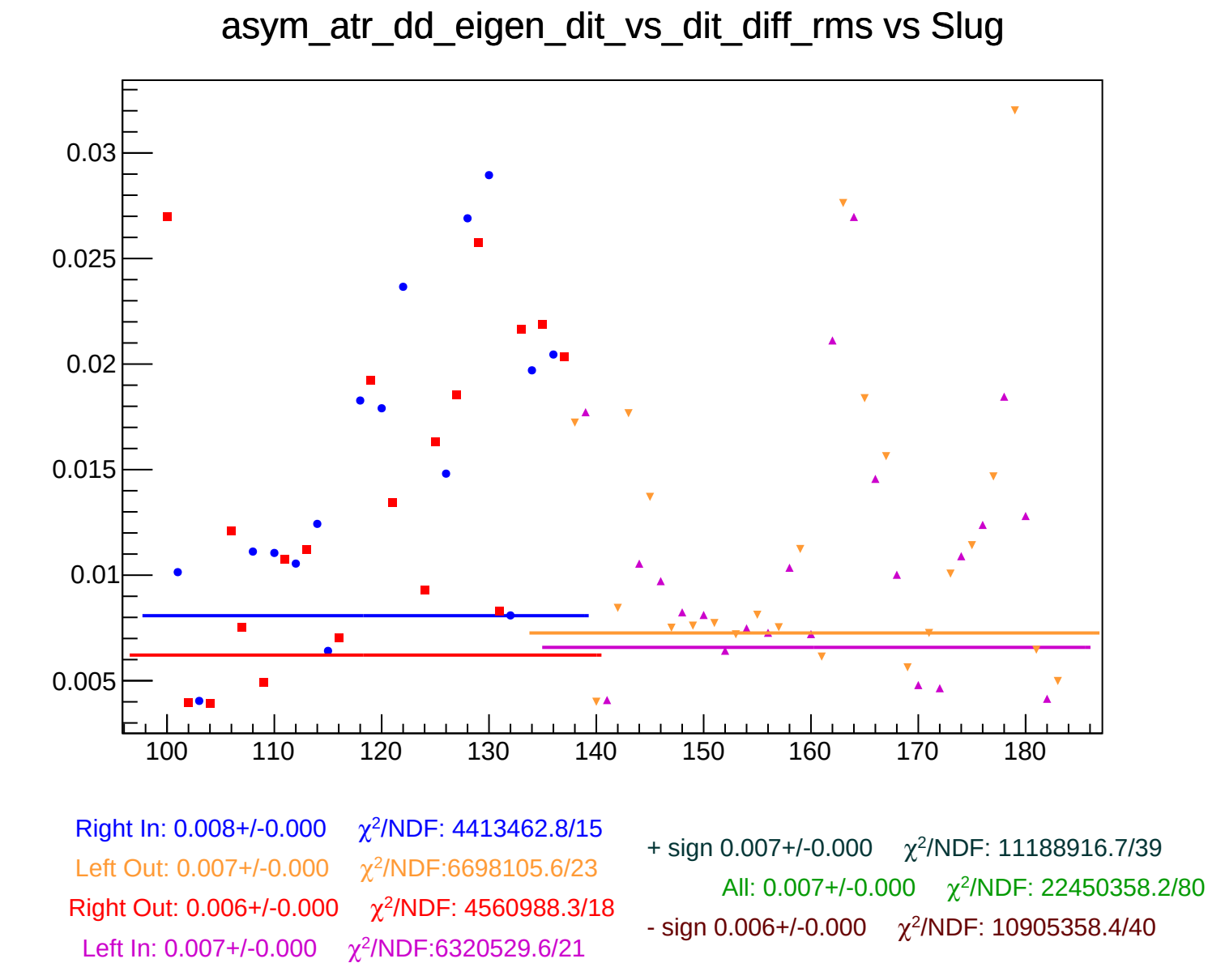
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:30.2/21

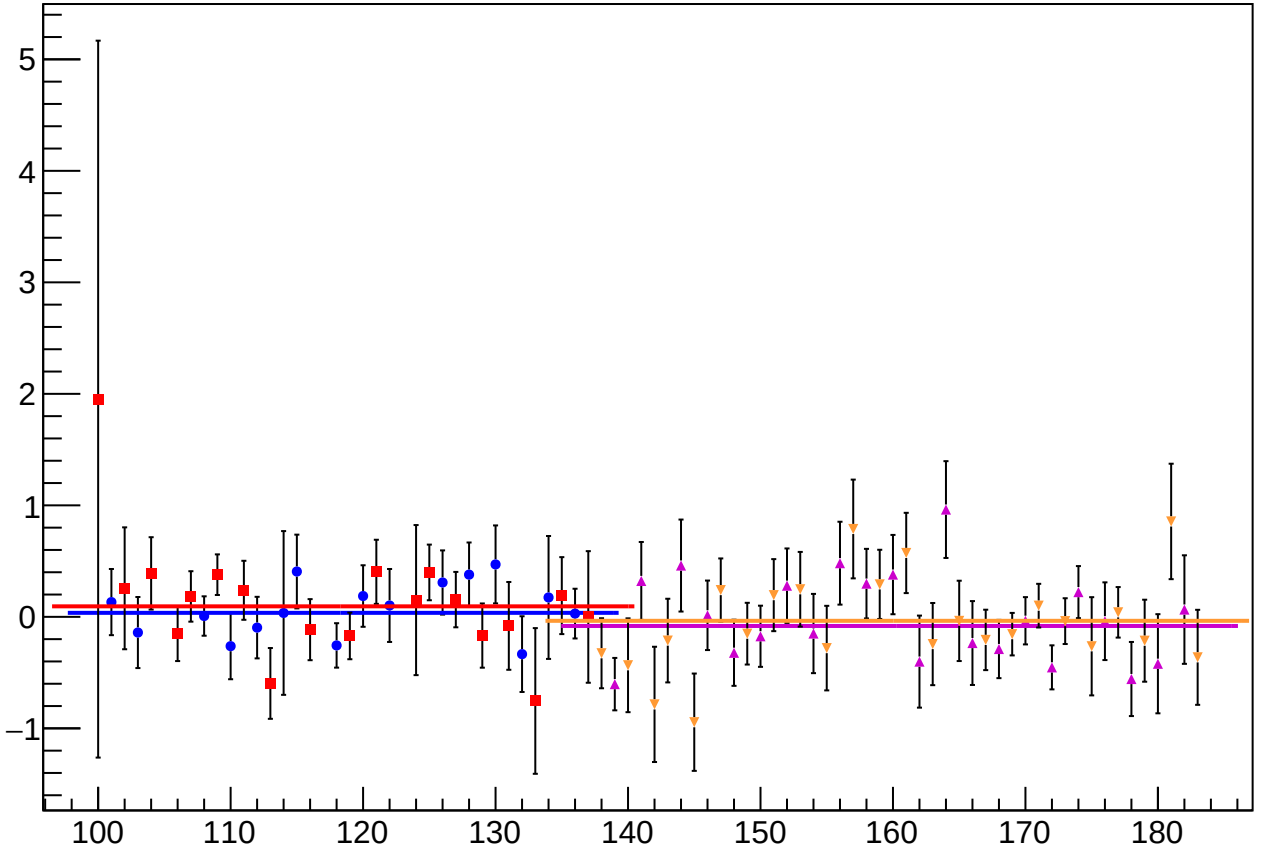
+ sign 0.000+/-0.000 χ^2/NDF: 57.3/39

All: 0.000+/-0.000 χ^2/NDF: 106.0/80

- sign 0.000+/-0.000 χ^2/NDF: 46.3/40


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 4413462.8/15
Left Out: 0.007+/-0.000 χ²/NDF:6698105.6/23
Right Out: 0.006+/-0.000 χ²/NDF: 4560988.3/18
Left In: 0.007+/-0.000 χ²/NDF:6320529.6/21
+ sign 0.007+/-0.000 χ²/NDF: 11188916.7/39
All: 0.007+/-0.000 χ²/NDF: 22450358.2/80
- sign 0.006+/-0.000 χ²/NDF: 10905358.4/40

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.063 χ^2/NDF:24.4/23

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

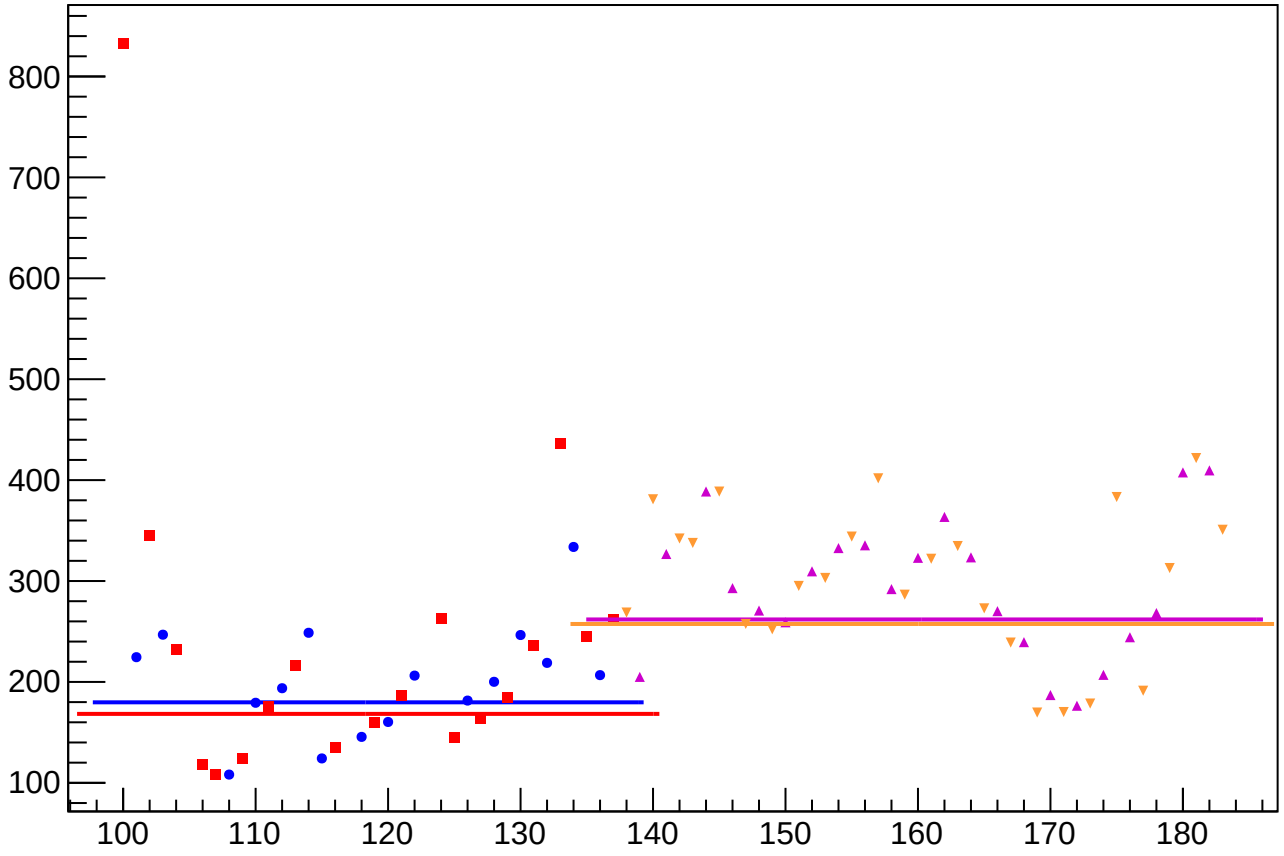
Left In: -0.082+/-0.065 χ^2/NDF:30.7/21

+ sign -0.004+/-0.047 χ^2/NDF: 35.5/39

All: -0.000+/-0.033 χ^2/NDF: 87.3/80

- sign 0.003+/-0.047 χ^2/NDF: 51.8/40

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 257.434+/-0.044 χ^2/NDF:2859238.7/23

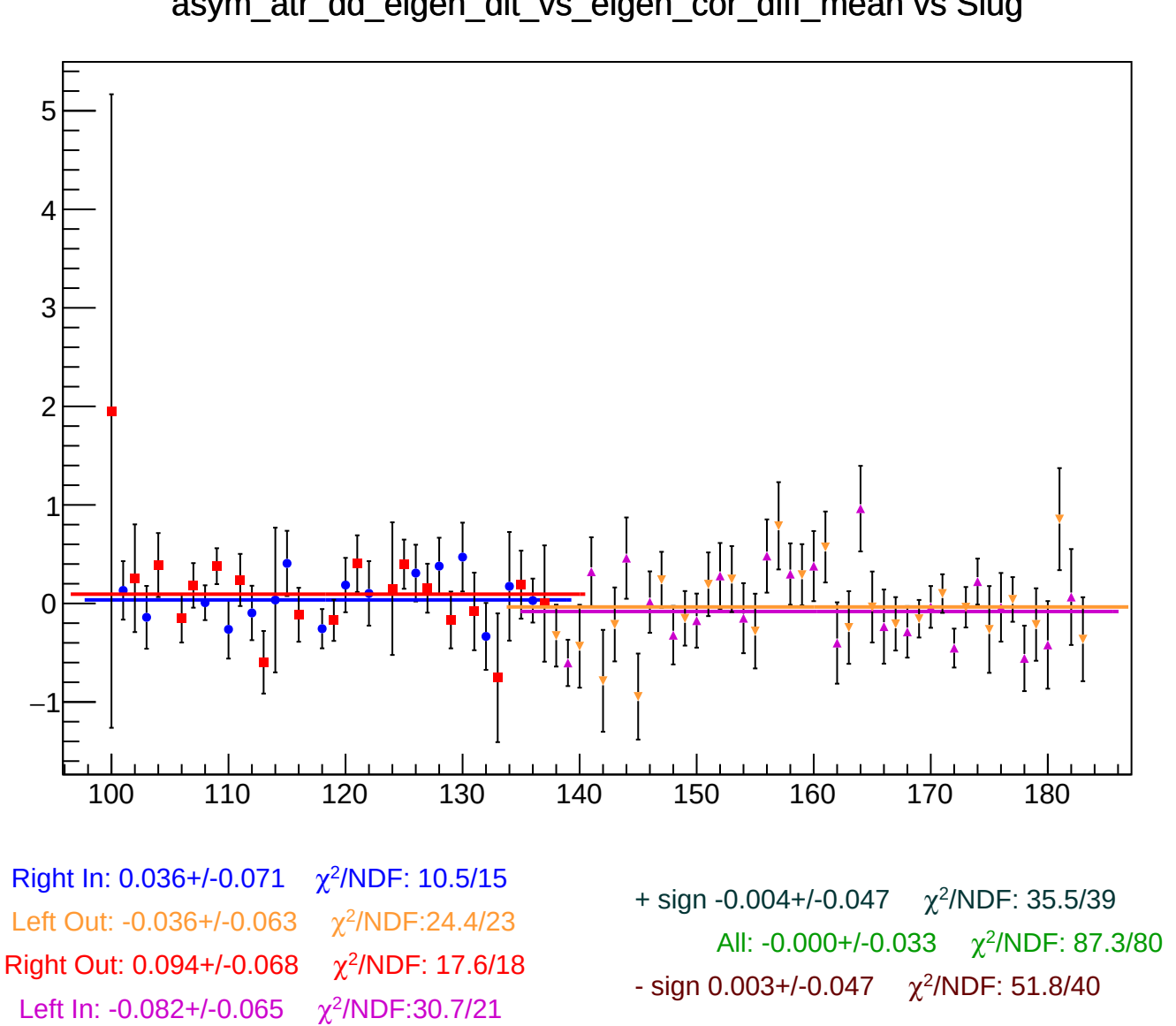
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

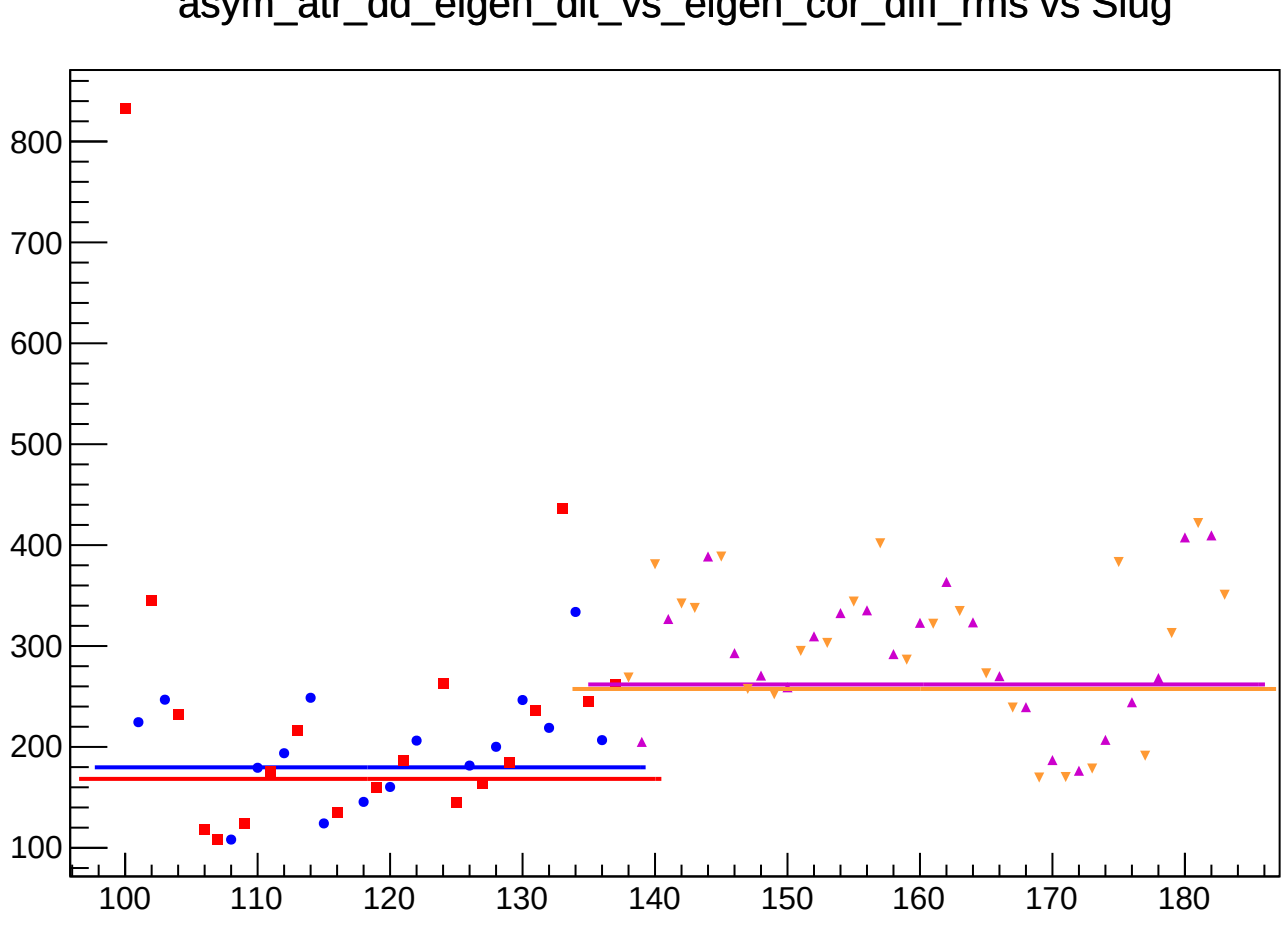
Left In: 261.921+/-0.046 χ^2/NDF:1990169.8/21

+ sign 223.107+/-0.033 χ^2/NDF: 5128038.0/39

All: 219.970+/-0.023 χ^2/NDF: 10529753.9/80

- sign 216.830+/-0.033 χ^2/NDF: 5383830.0/40


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.036+/-0.063 χ²/NDF:24.4/23
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.082+/-0.065 χ²/NDF:30.7/21
+ sign -0.004+/-0.047 χ²/NDF: 35.5/39
All: -0.000+/-0.033 χ²/NDF: 87.3/80
- sign 0.003+/-0.047 χ²/NDF: 51.8/40



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 257.434+/-0.044 χ^2/NDF:2859238.7/23

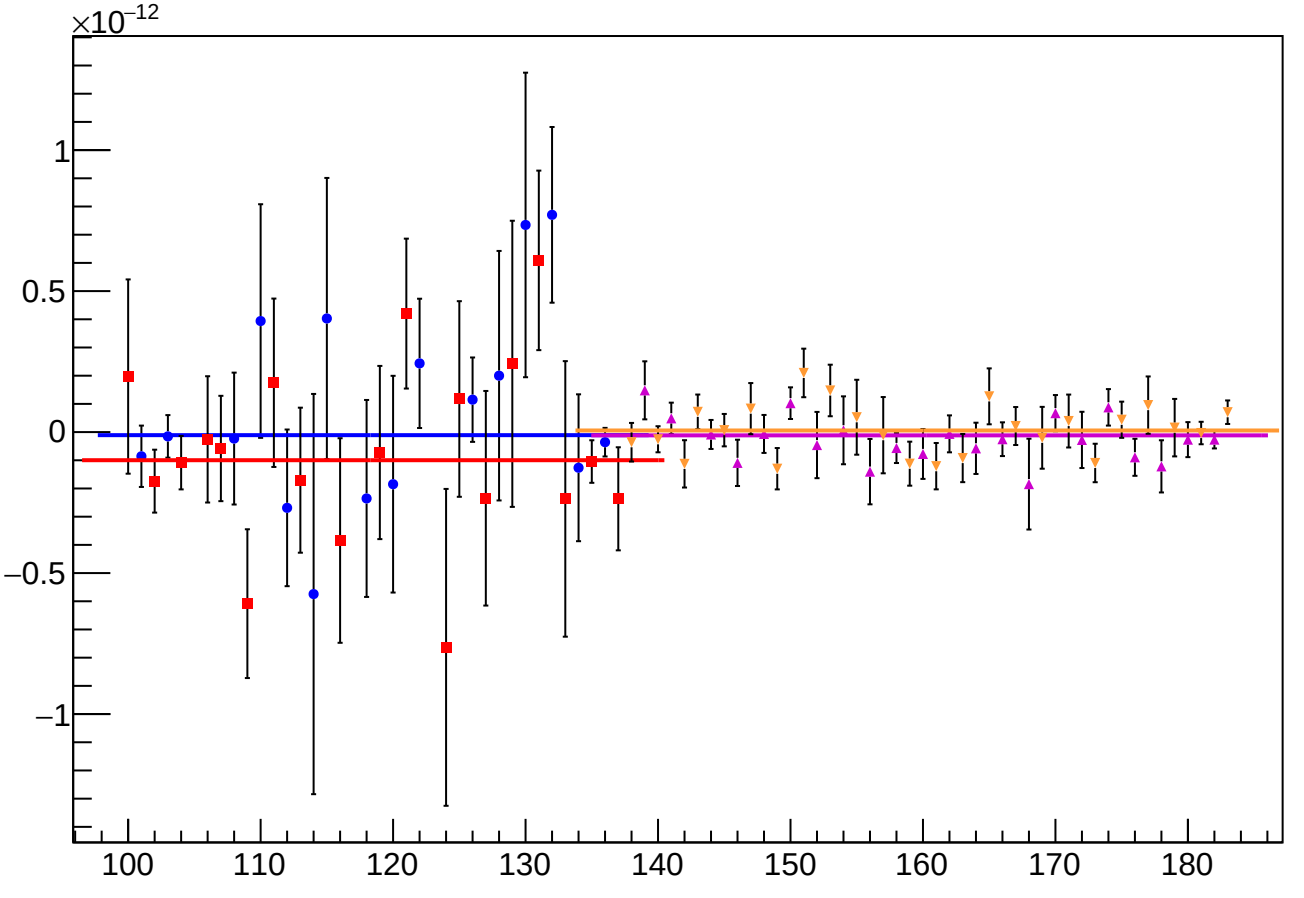
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 261.921+/-0.046 χ^2/NDF:1990169.8/21

+ sign 223.107+/-0.033 χ^2/NDF: 5128038.0/39

All: 219.970+/-0.023 χ^2/NDF: 10529753.9/80

- sign 216.830+/-0.033 χ^2/NDF: 5383830.0/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.4/23

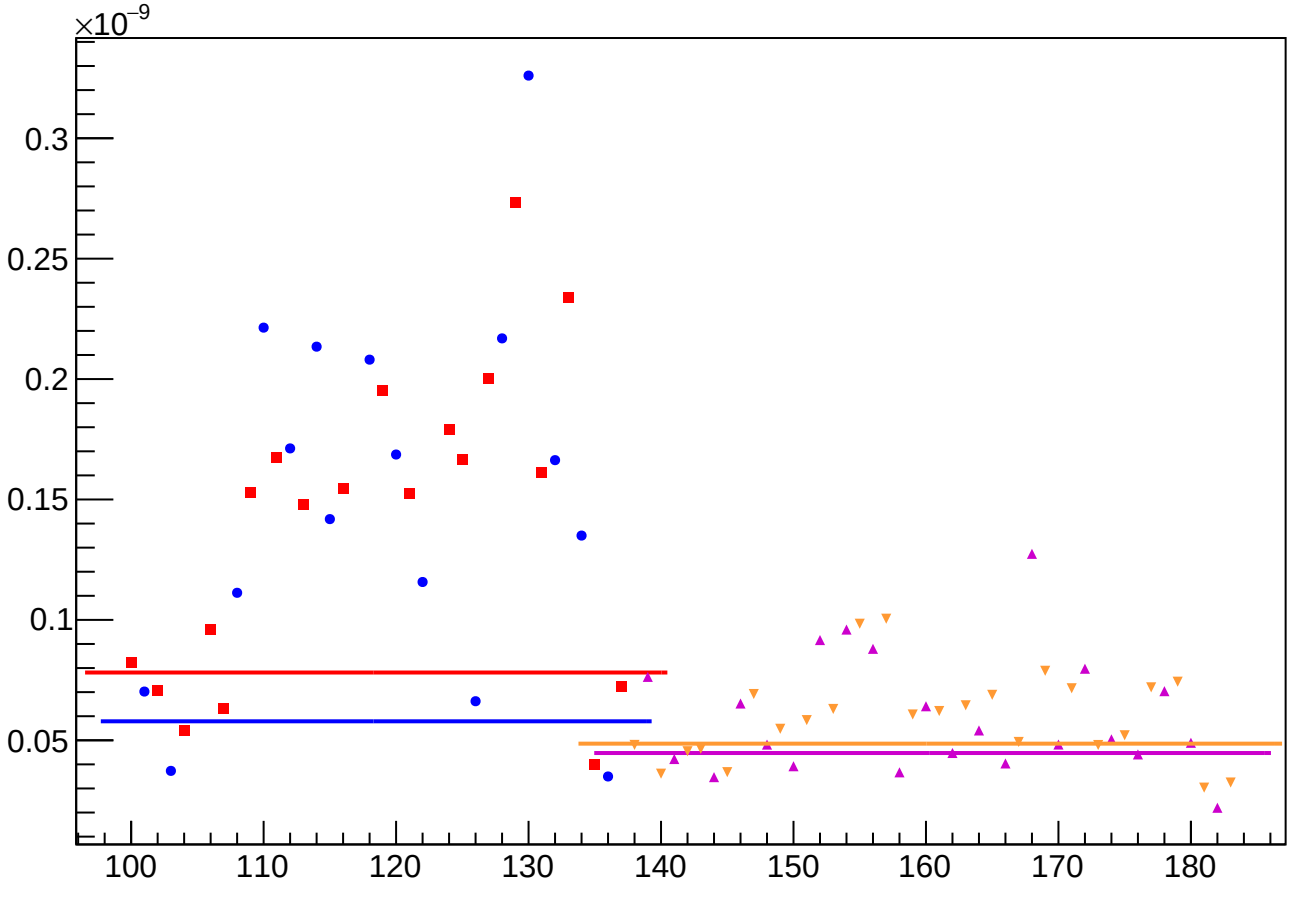
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:20.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/39

All: -0.000+/-0.000 χ^2/NDF: 89.8/80

- sign -0.000+/-0.000 χ^2/NDF: 42.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2491730.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

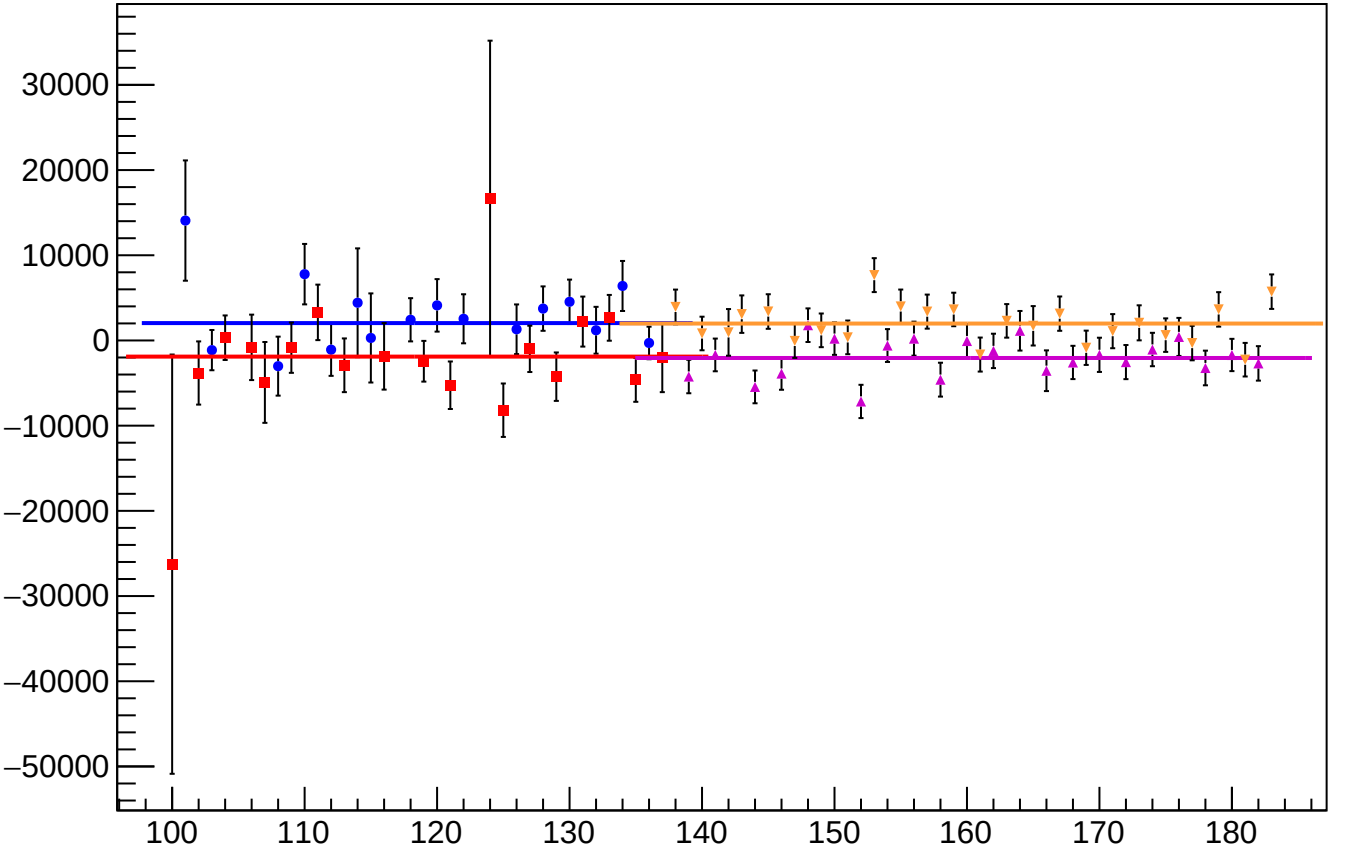
Left In: 0.000+/-0.000 χ^2/NDF:3561864.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 5933690.1/39

All: 0.000+/-0.000 χ^2/NDF: 13380525.7/80

- sign 0.000+/-0.000 χ^2/NDF: 7427516.1/40

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1984.708+/-415.765 χ^2/NDF:30.8/23

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

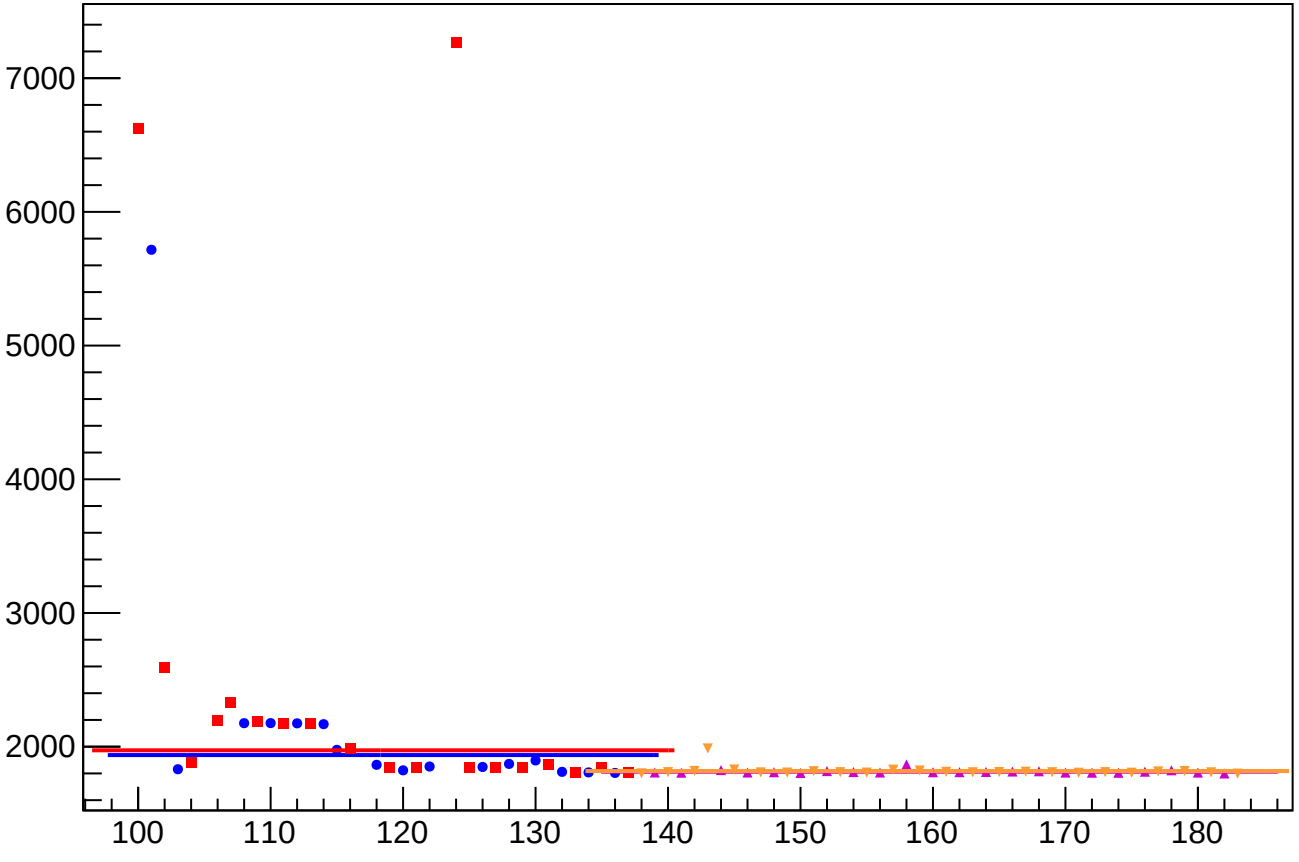
Left In: -2057.009+/-426.727 χ^2/NDF:26.4/21

+ sign 1997.888+/-362.024 χ^2/NDF: 47.2/39

All: 30.481+/-258.511 χ^2/NDF: 152.5/80

- sign -2016.373+/-369.262 χ^2/NDF: 45.0/40

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1817.780+/-0.294 χ^2/NDF:12899.7/23

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

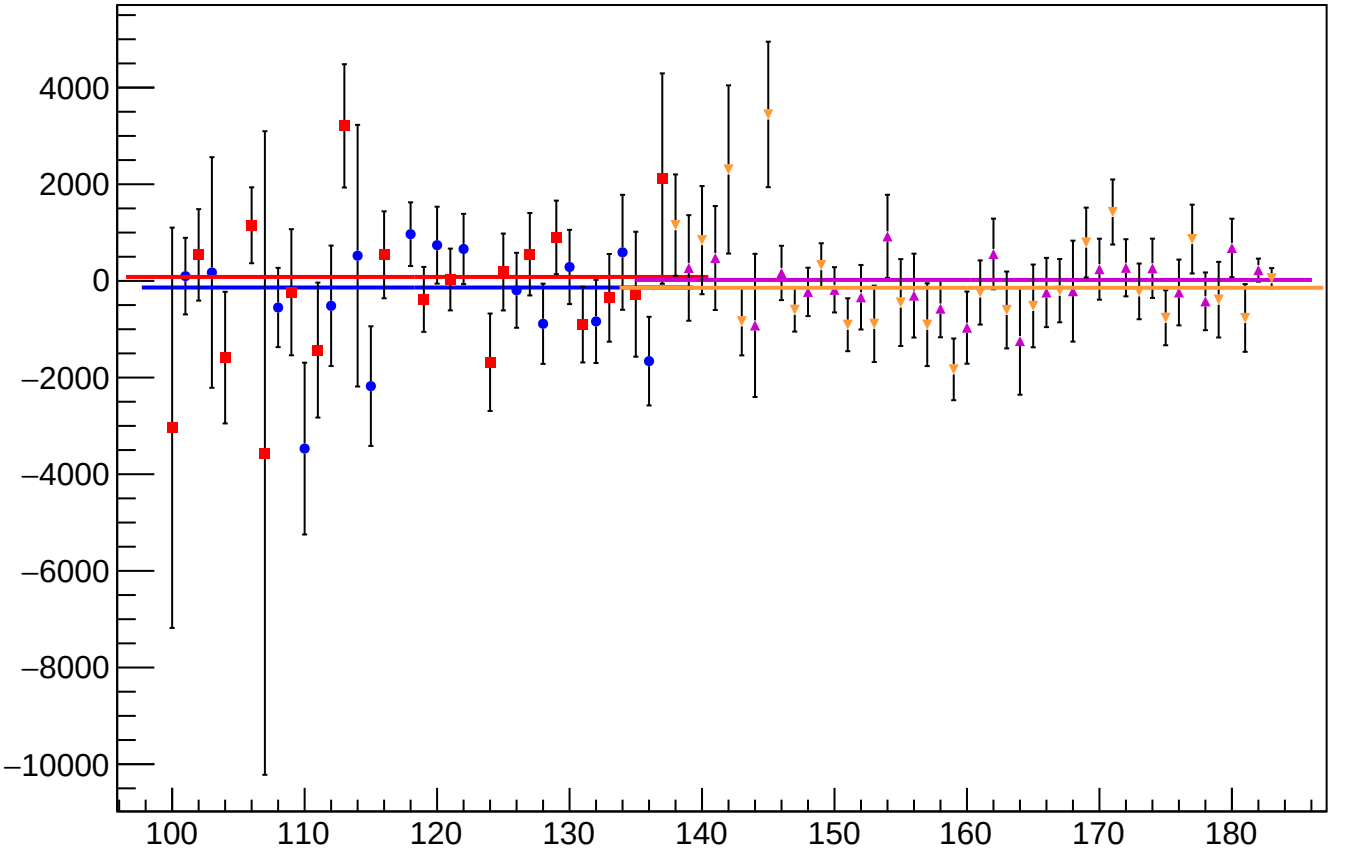
Left In: 1812.750+/-0.302 χ^2/NDF:1985.0/21

+ sign 1846.669+/-0.256 χ^2/NDF: 690925.0/39

All: 1849.744+/-0.183 χ^2/NDF: 1141380.0/80

- sign 1852.944+/-0.261 χ^2/NDF: 450160.6/40

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -142.129+/-119.344 χ^2/NDF:36.4/23

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

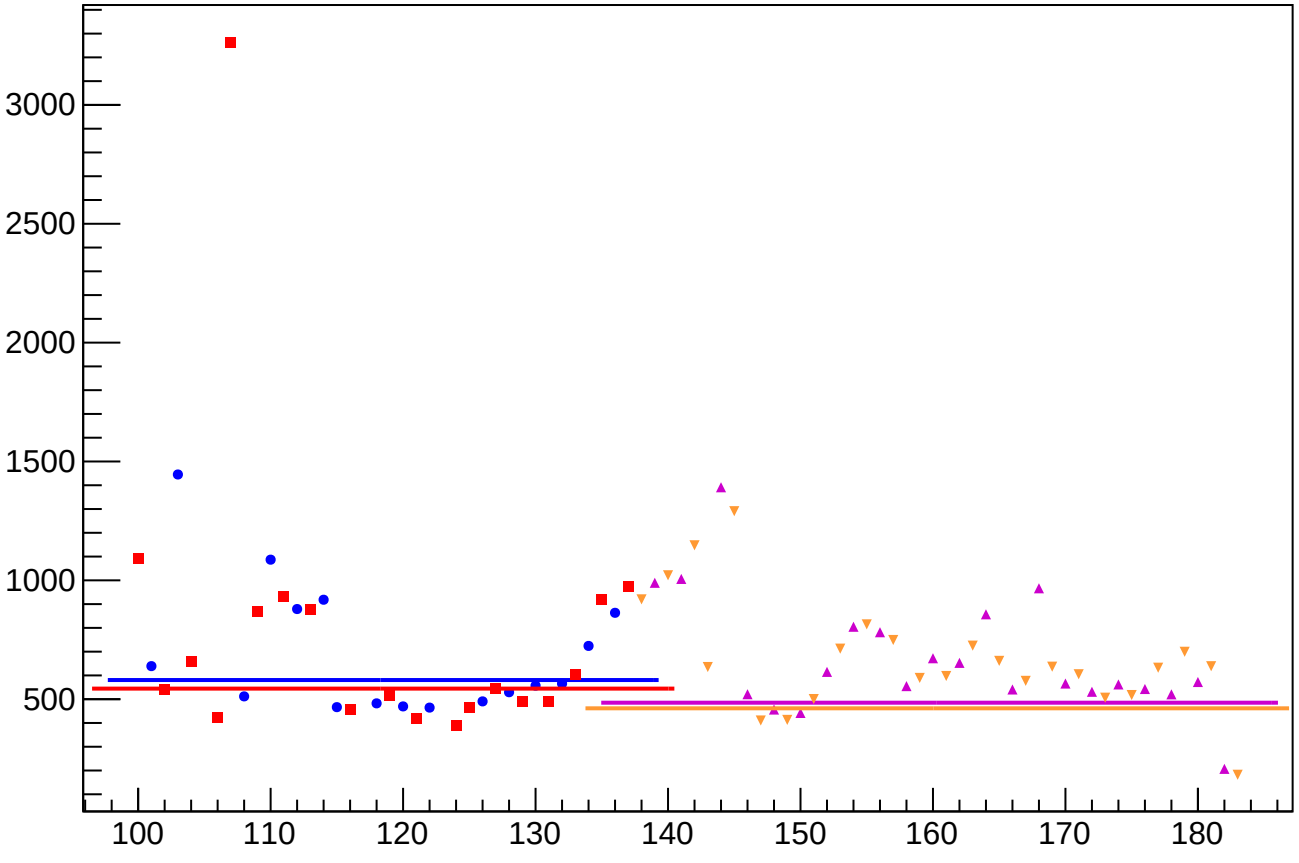
Left In: 20.287+/-126.675 χ^2/NDF:10.5/21

+ sign -140.969+/-105.974 χ^2/NDF: 53.3/39

All: -56.035+/-76.327 χ^2/NDF: 84.9/80

- sign 35.516+/-110.026 χ^2/NDF: 30.3/40

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 461.614+/-0.084 χ^2/NDF:7462140.6/23

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

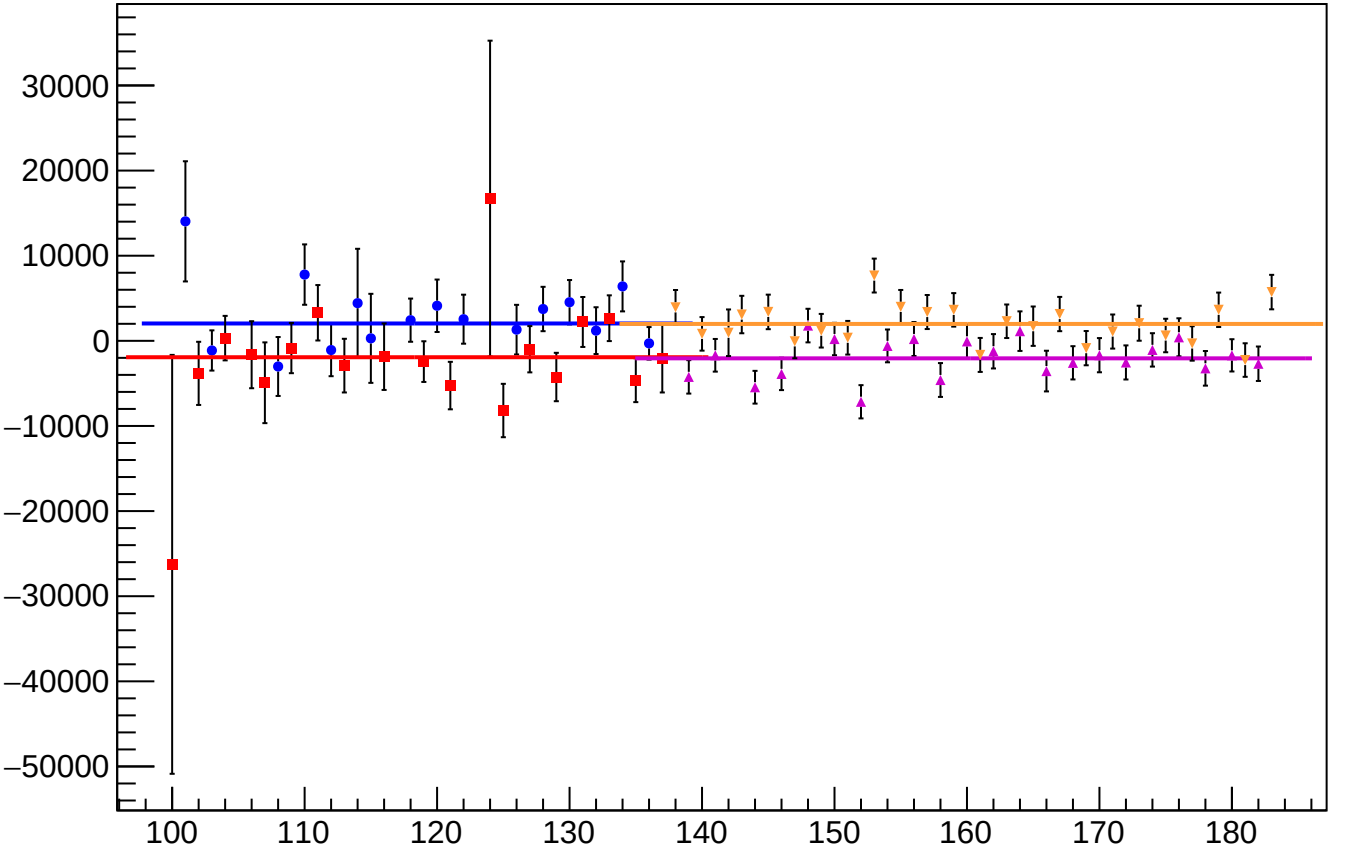
Left In: 485.254+/-0.090 χ^2/NDF:6046534.0/21

+ sign 486.782+/-0.075 χ^2/NDF: 8886102.6/39

All: 493.053+/-0.054 χ^2/NDF: 16342382.4/80

- sign 499.811+/-0.078 χ^2/NDF: 7441731.3/40

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1984.680+/-415.765 χ^2/NDF:30.8/23

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

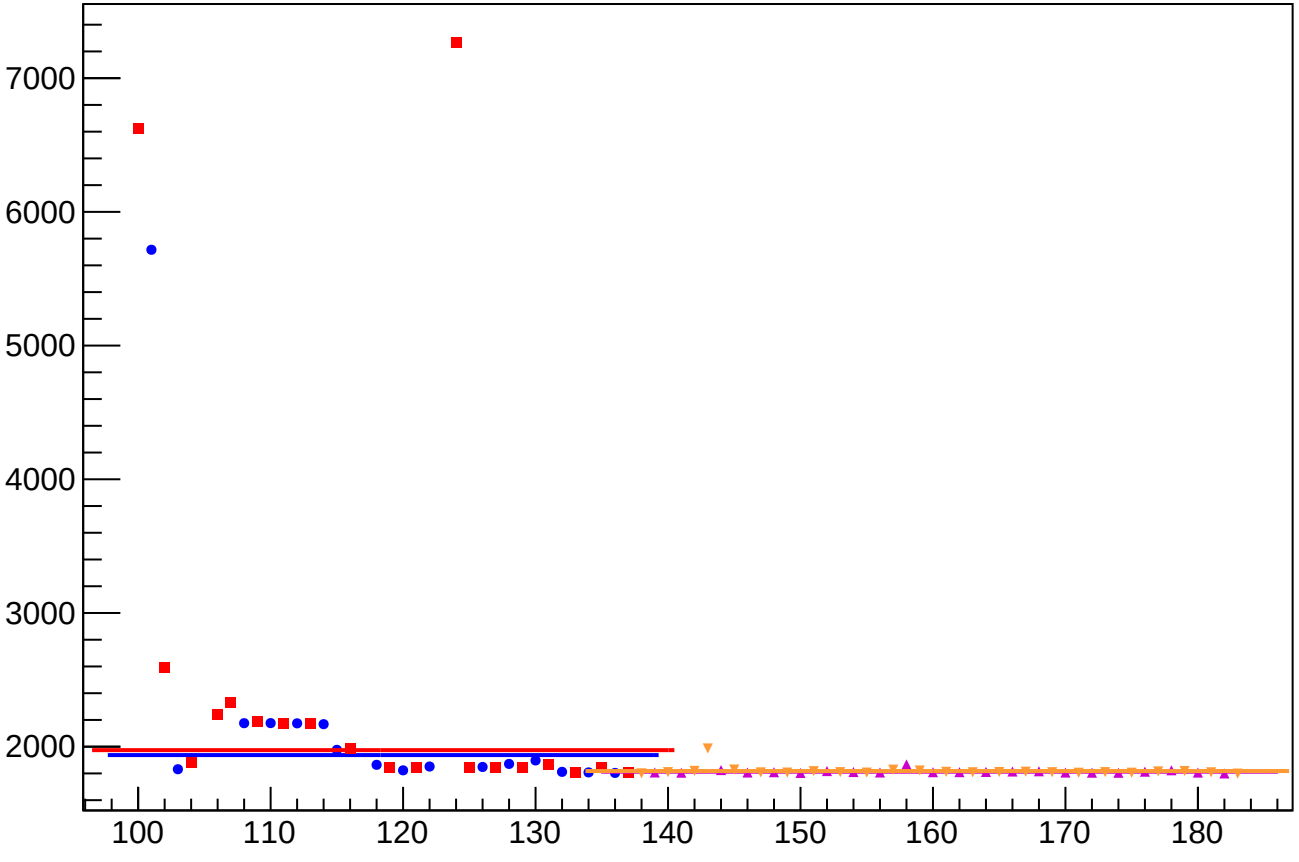
Left In: -2057.082+/-426.727 χ^2/NDF:26.4/21

+ sign 1997.777+/-362.024 χ^2/NDF: 47.2/39

All: 27.002+/-258.539 χ^2/NDF: 152.6/80

- sign -2024.264+/-369.343 χ^2/NDF: 44.9/40

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1817.780+/-0.294 χ^2/NDF:12899.7/23

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

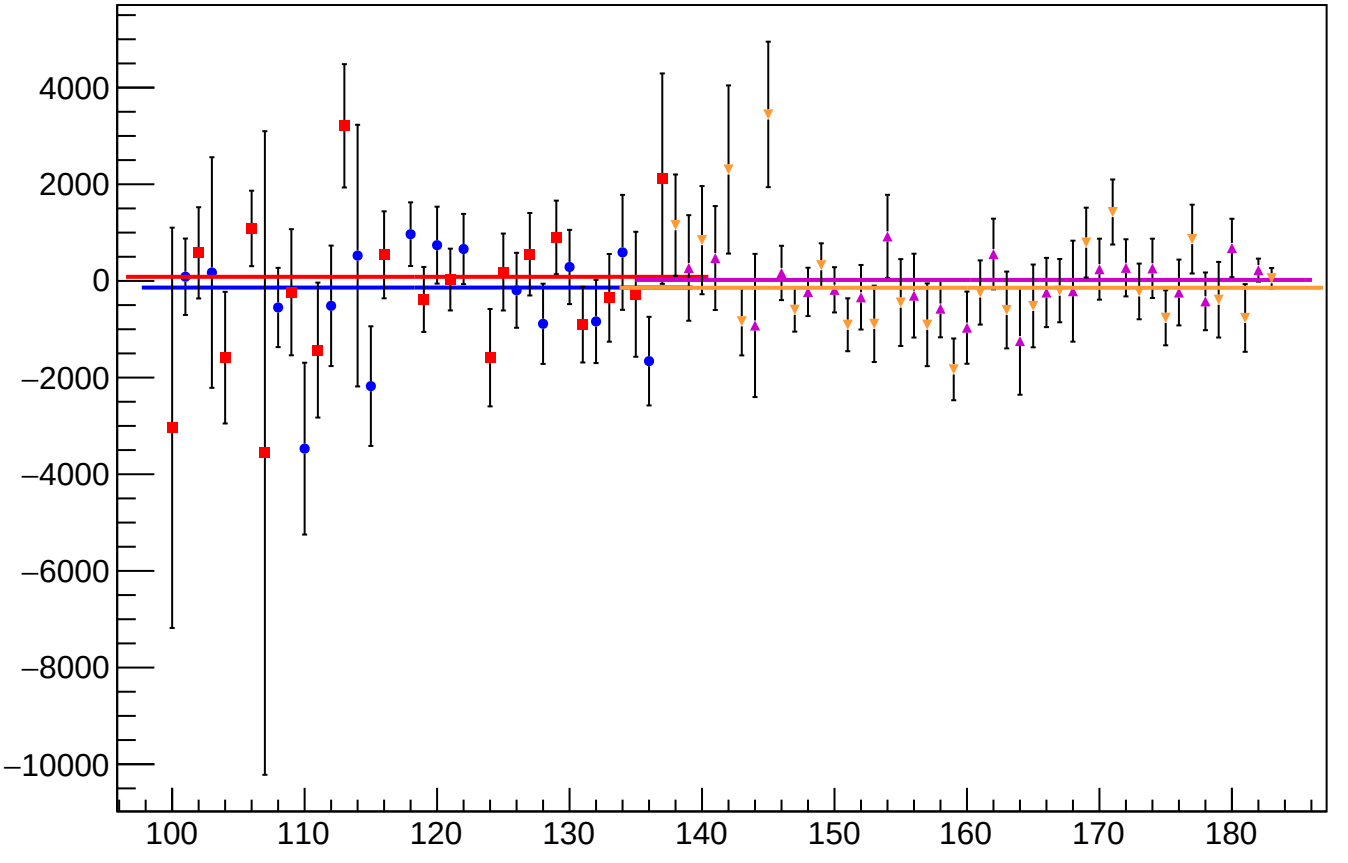
Left In: 1812.750+/-0.302 χ^2/NDF:1985.0/21

+ sign 1846.669+/-0.256 χ^2/NDF: 690924.9/39

All: 1849.889+/-0.183 χ^2/NDF: 1145444.0/80

- sign 1853.241+/-0.261 χ^2/NDF: 454196.3/40

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -141.859+/-119.339 χ^2/NDF:36.4/23

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

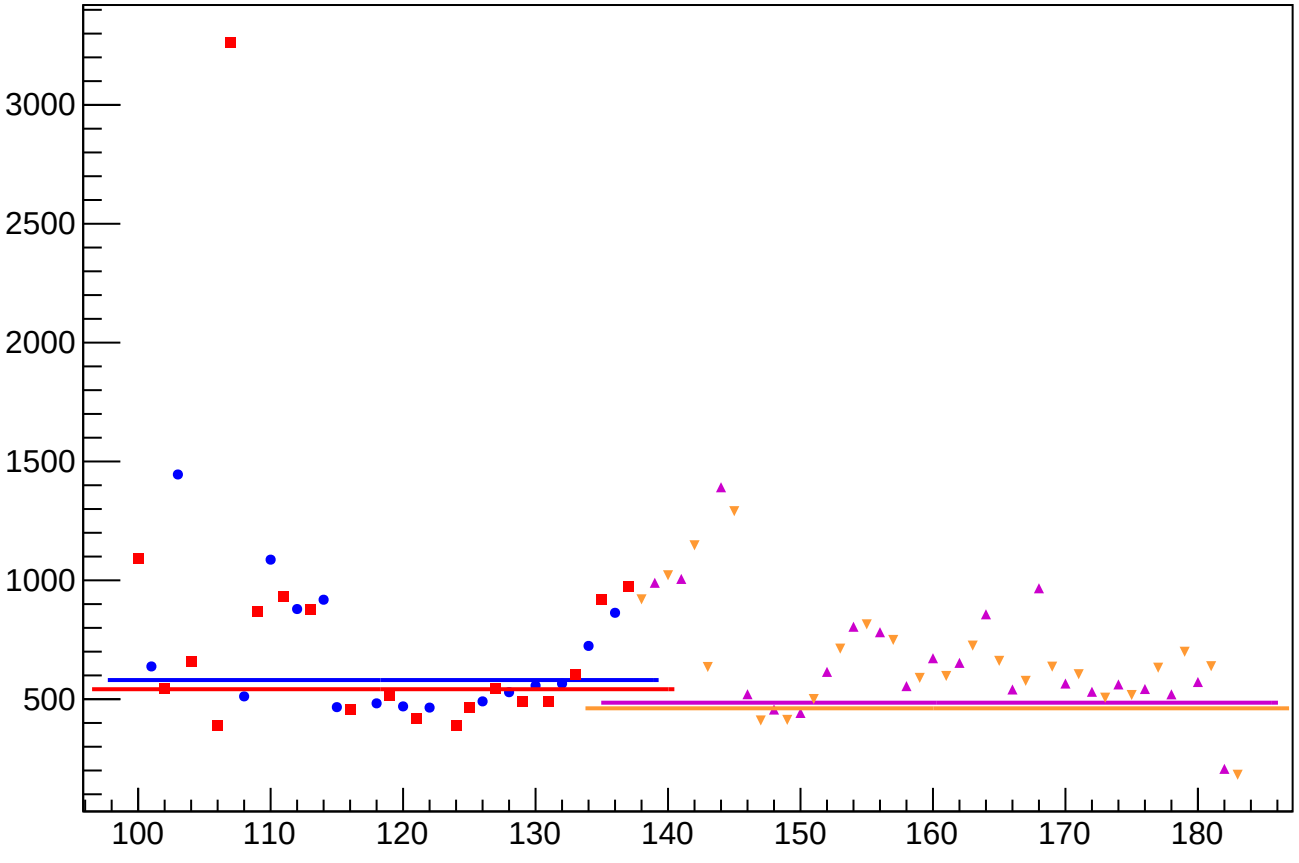
Left In: 20.359+/-126.676 χ^2/NDF:10.5/21

+ sign -140.935+/-105.966 χ^2/NDF: 53.3/39

All: -55.665+/-76.319 χ^2/NDF: 84.5/80

- sign 36.236+/-110.010 χ^2/NDF: 29.8/40

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 461.582+/-0.084 χ^2/NDF:7463786.0/23

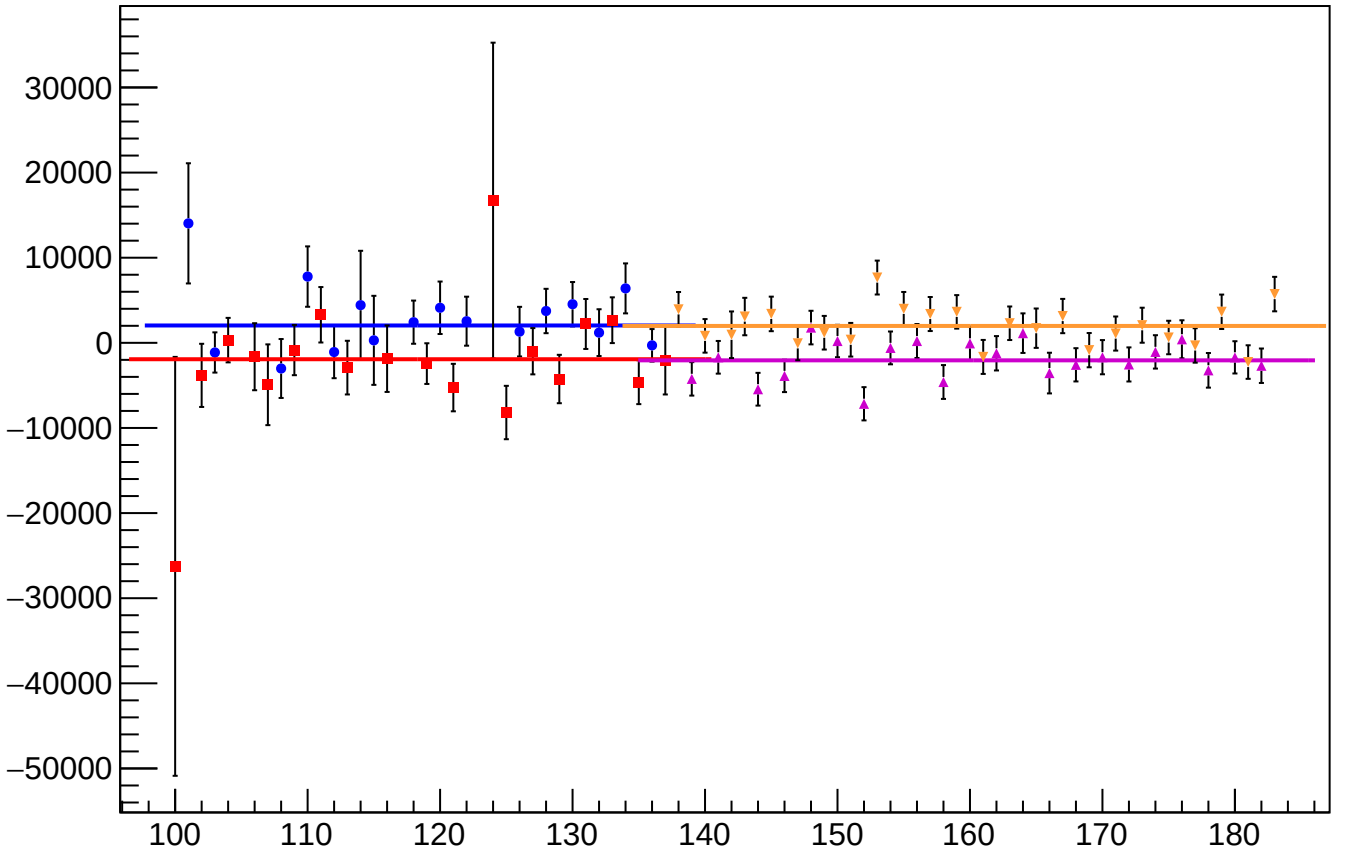
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 485.258+/-0.090 χ^2/NDF:6046564.0/21

+ sign 486.745+/-0.075 χ^2/NDF: 8886957.1/39

All: 492.735+/-0.054 χ^2/NDF: 16364082.2/80

- sign 499.192+/-0.078 χ^2/NDF: 7463844.6/40



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1984.680+/-415.765 χ^2/NDF:30.8/23

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

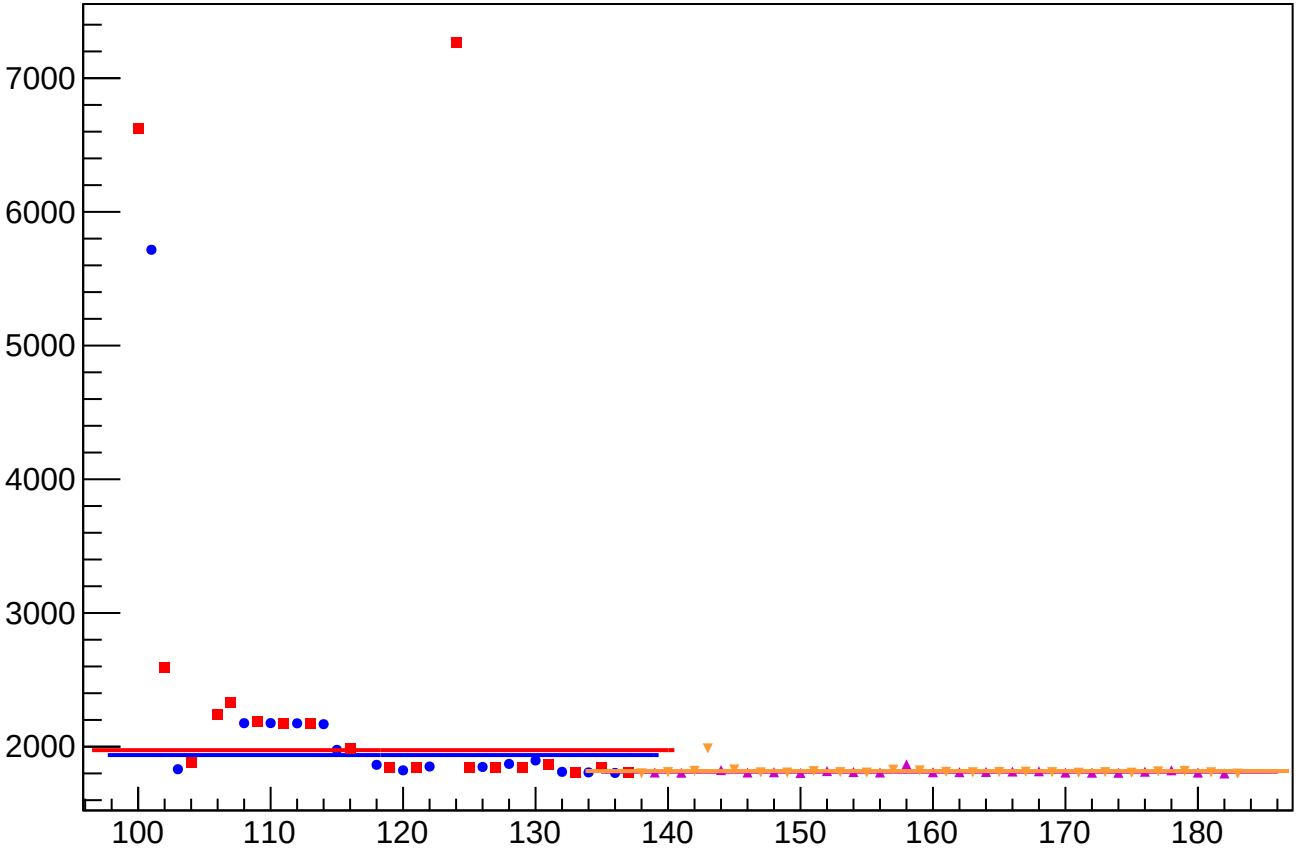
Left In: -2057.082+/-426.727 χ^2/NDF:26.4/21

+ sign 1997.777+/-362.024 χ^2/NDF: 47.2/39

All: 27.002+/-258.539 χ^2/NDF: 152.6/80

- sign -2024.264+/-369.343 χ^2/NDF: 44.9/40

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1817.780+/-0.294 χ^2/NDF:12899.7/23

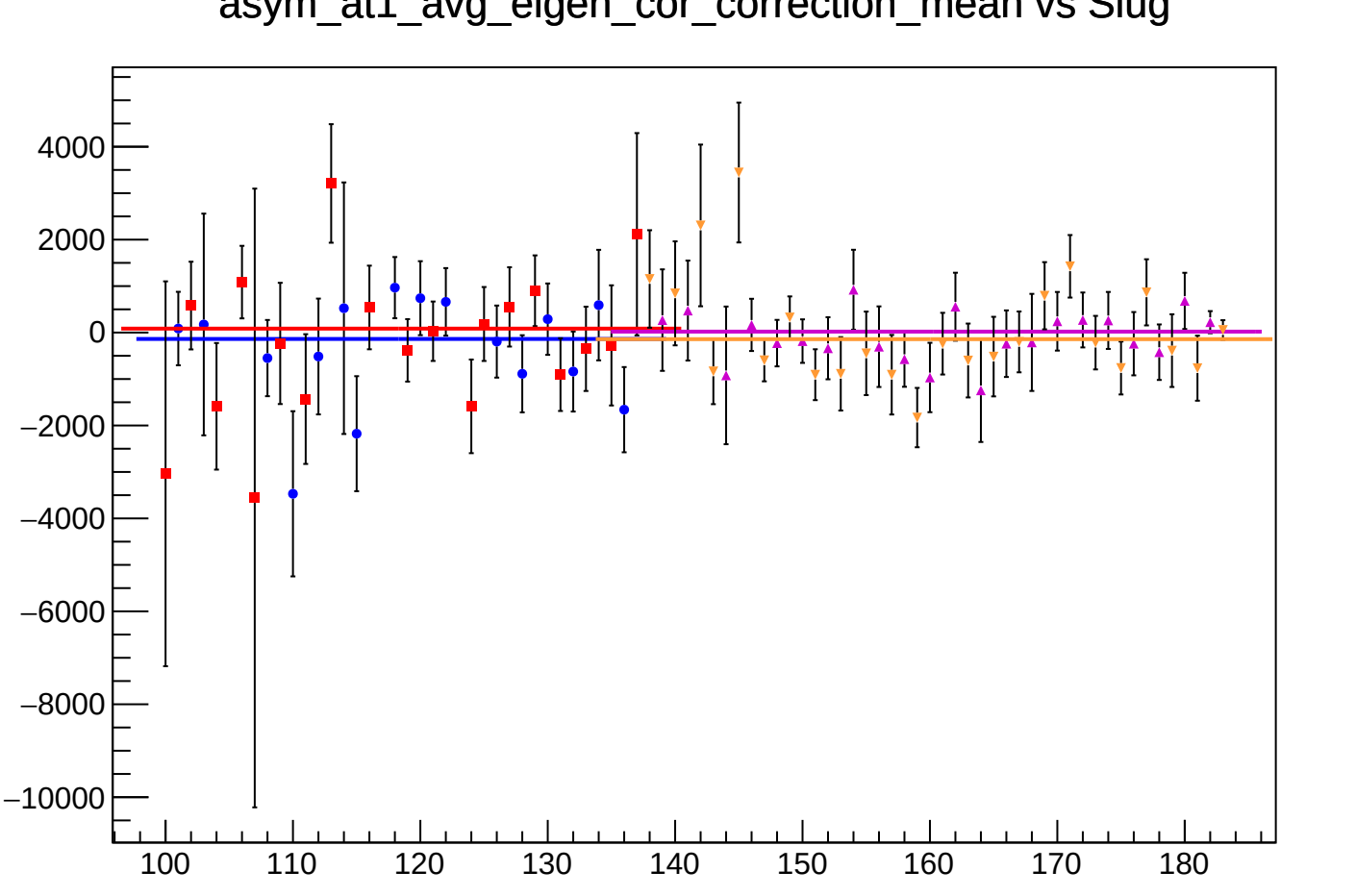
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.750+/-0.302 χ^2/NDF:1985.0/21

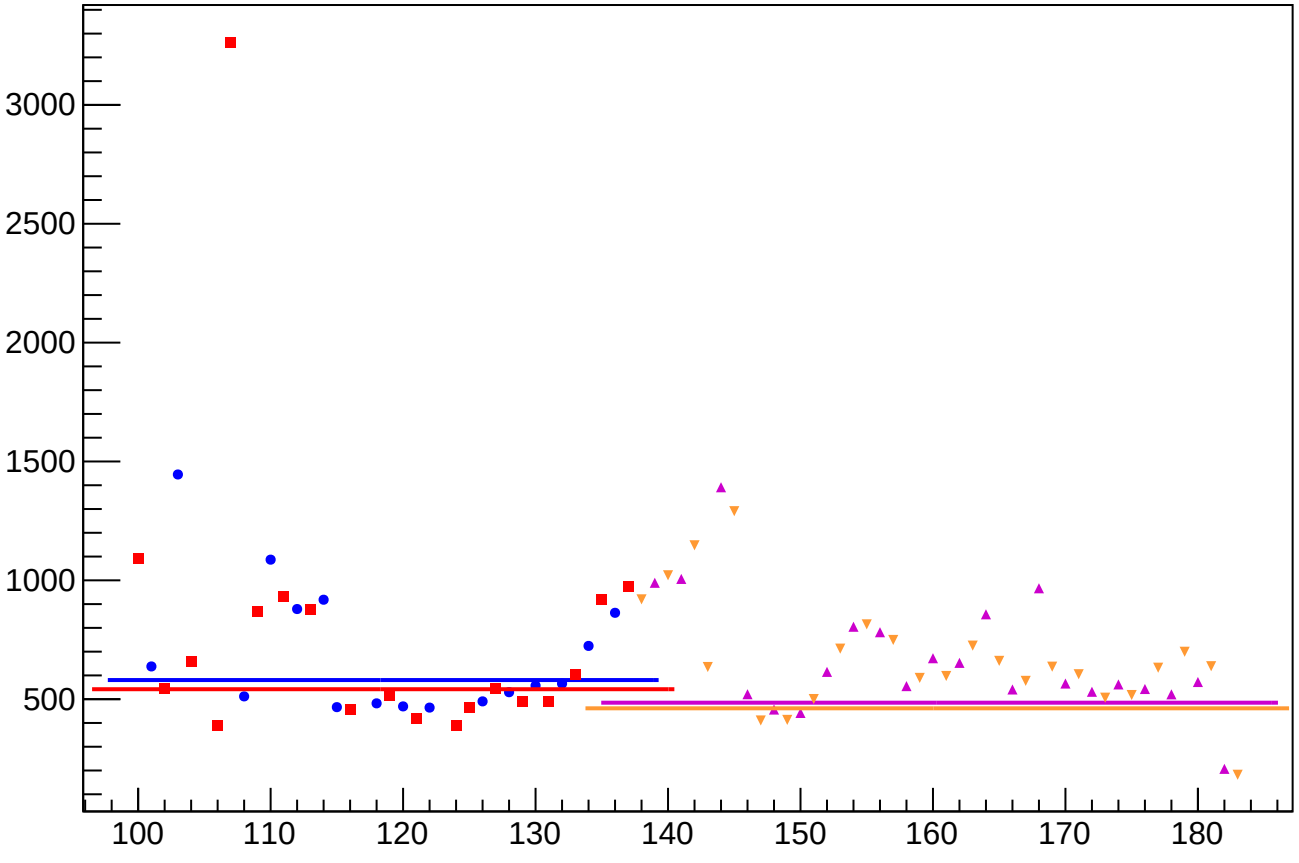
+ sign 1846.669+/-0.256 χ^2/NDF: 690924.9/39

All: 1849.889+/-0.183 χ^2/NDF: 1145444.0/80

- sign 1853.241+/-0.261 χ^2/NDF: 454196.3/40


asym_at1_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
Right In: -137.491+/-230.382 χ²/NDF: 16.9/15
Left Out: -141.859+/-119.339 χ²/NDF:36.4/23
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: 20.359+/-126.676 χ²/NDF:10.5/21
+ sign -140.935+/-105.966 χ²/NDF: 53.3/39
All: -55.665+/-76.319 χ²/NDF: 84.5/80
- sign 36.236+/-110.010 χ²/NDF: 29.8/40

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 461.582+/-0.084 χ^2/NDF:7463786.0/23

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

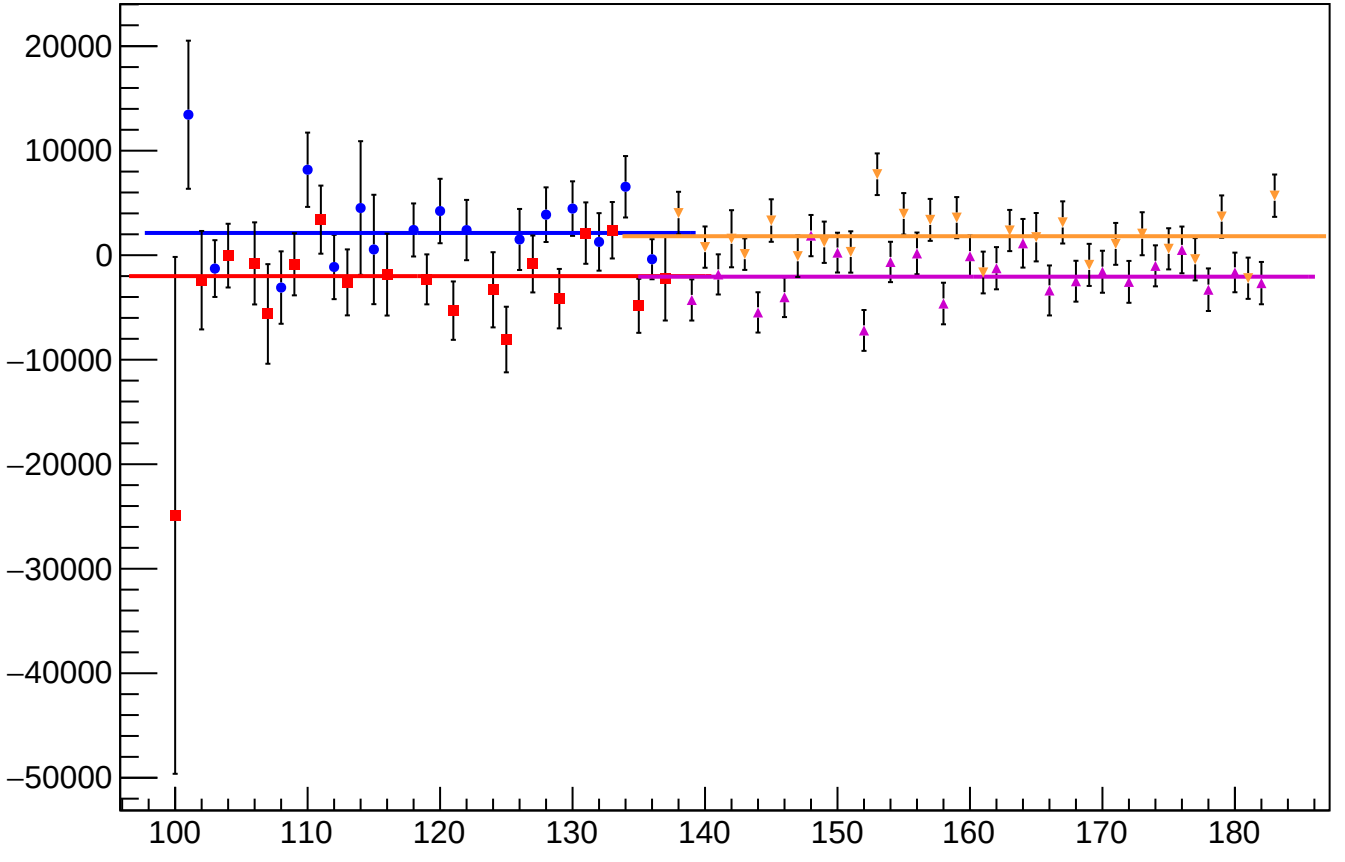
Left In: 485.258+/-0.090 χ^2/NDF:6046564.0/21

\+ sign 486.745+/-0.075 χ^2/NDF: 8886957.1/39

All: 492.735+/-0.054 χ^2/NDF: 16364082.2/80

\- sign 499.192+/-0.078 χ^2/NDF: 7463844.6/40

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1816.634+/-408.092 χ^2/NDF:32.1/23

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

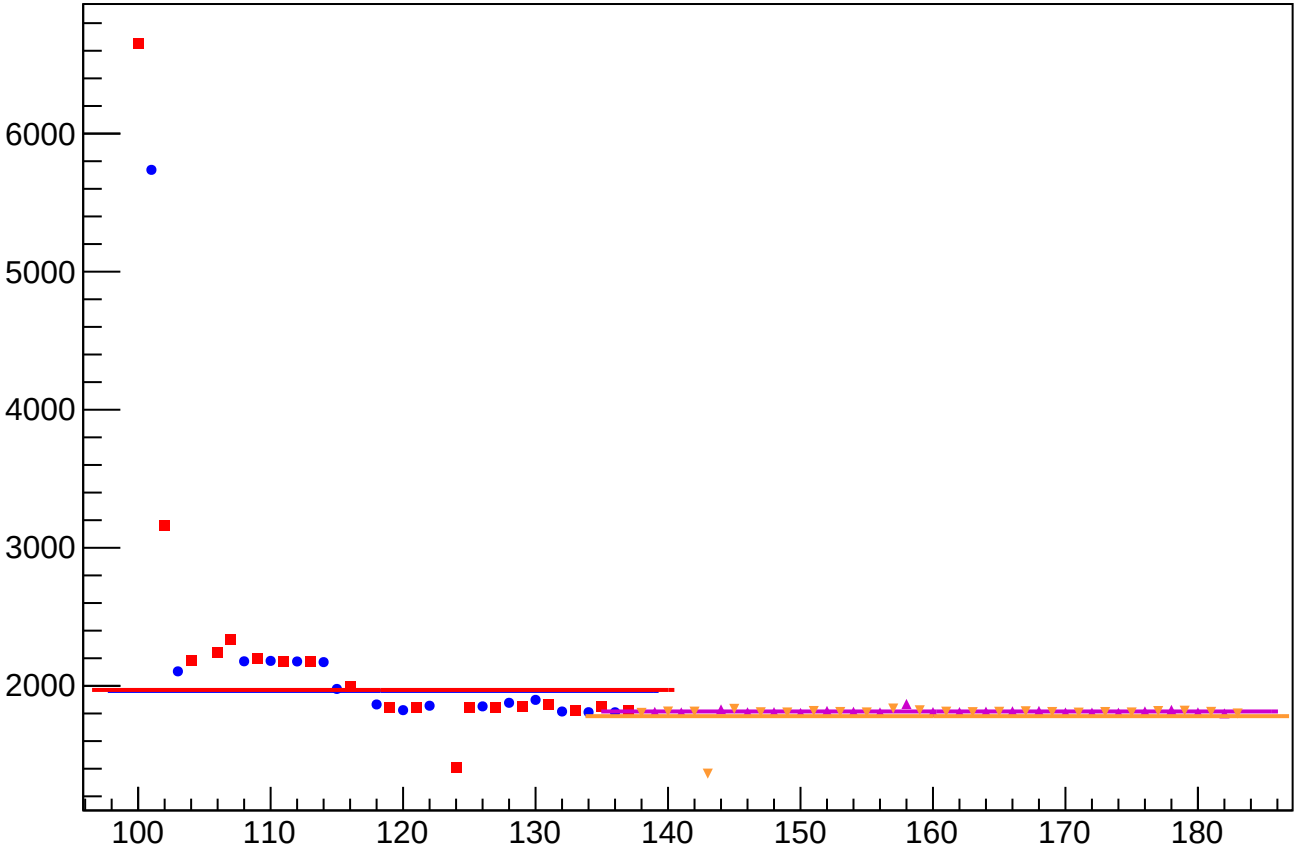
Left In: -2056.628+/-427.178 χ^2/NDF:26.9/21

+ sign 1888.487+/-358.050 χ^2/NDF: 48.7/39

All: -14.801+/-257.169 χ^2/NDF: 150.7/80

- sign -2042.951+/-369.608 χ^2/NDF: 43.7/40

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1780.645+/-0.289 χ^2/NDF:164871.0/23

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

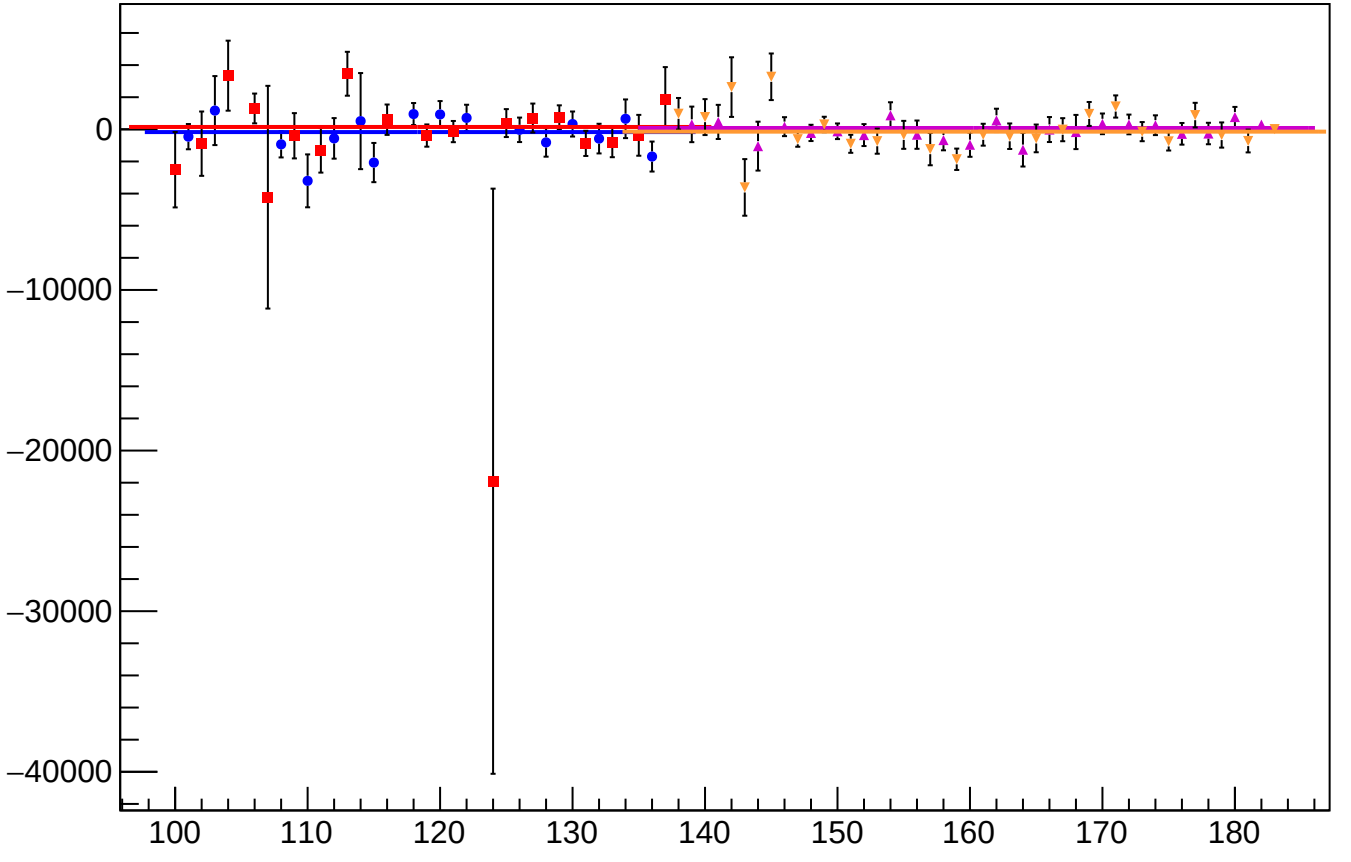
Left In: 1814.647+/-0.302 χ^2/NDF:2064.5/21

+ sign 1822.721+/-0.253 χ^2/NDF: 897478.6/39

All: 1837.774+/-0.182 χ^2/NDF: 1318863.9/80

- sign 1853.814+/-0.261 χ^2/NDF: 414083.4/40

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -143.542+/-125.654 χ^2/NDF:37.7/23

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

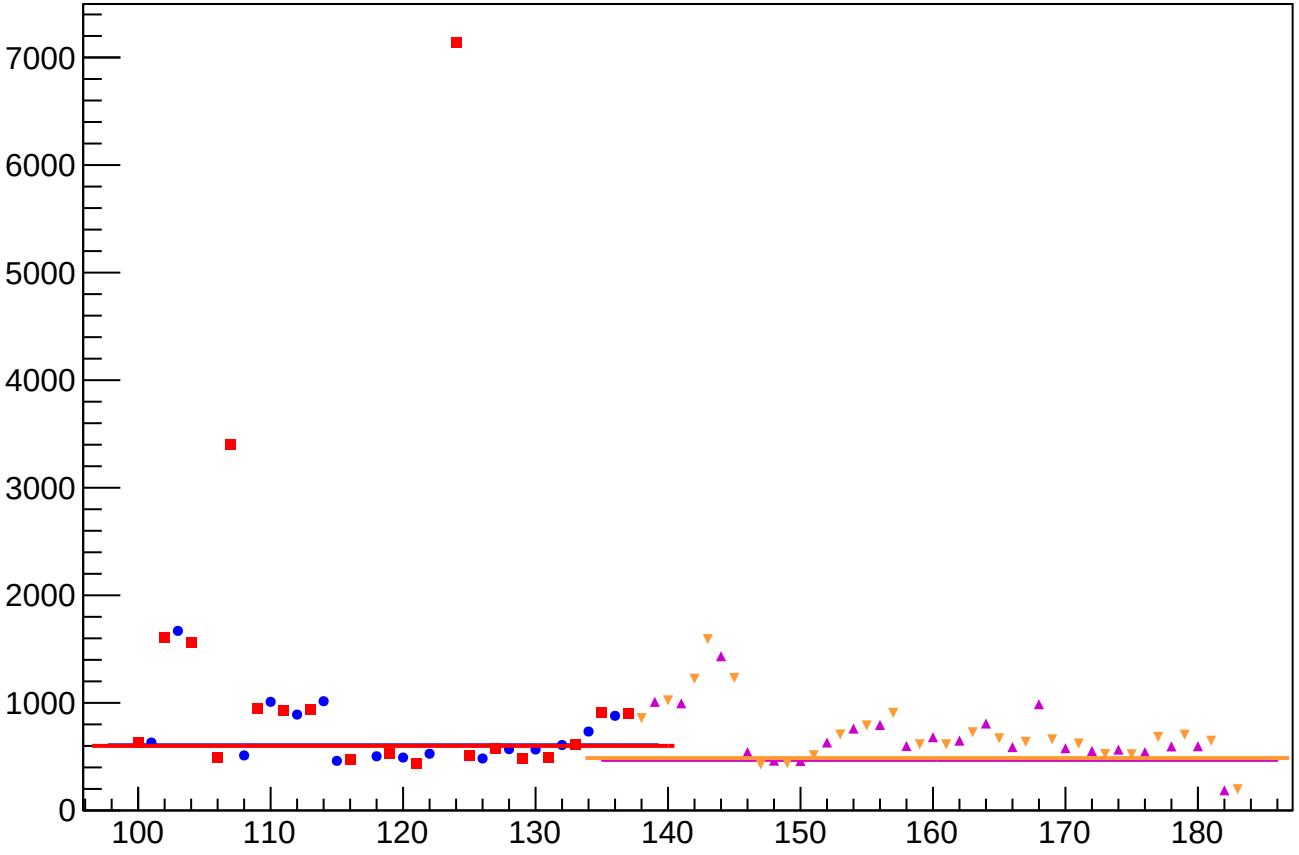
Left In: 83.443+/-124.981 χ^2/NDF:11.4/21

+ sign -149.521+/-111.007 χ^2/NDF: 55.0/39

All: -26.467+/-78.537 χ^2/NDF: 89.0/80

- sign 96.855+/-111.128 χ^2/NDF: 31.6/40

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 486.959+/-0.089 χ^2/NDF:7649631.9/23

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

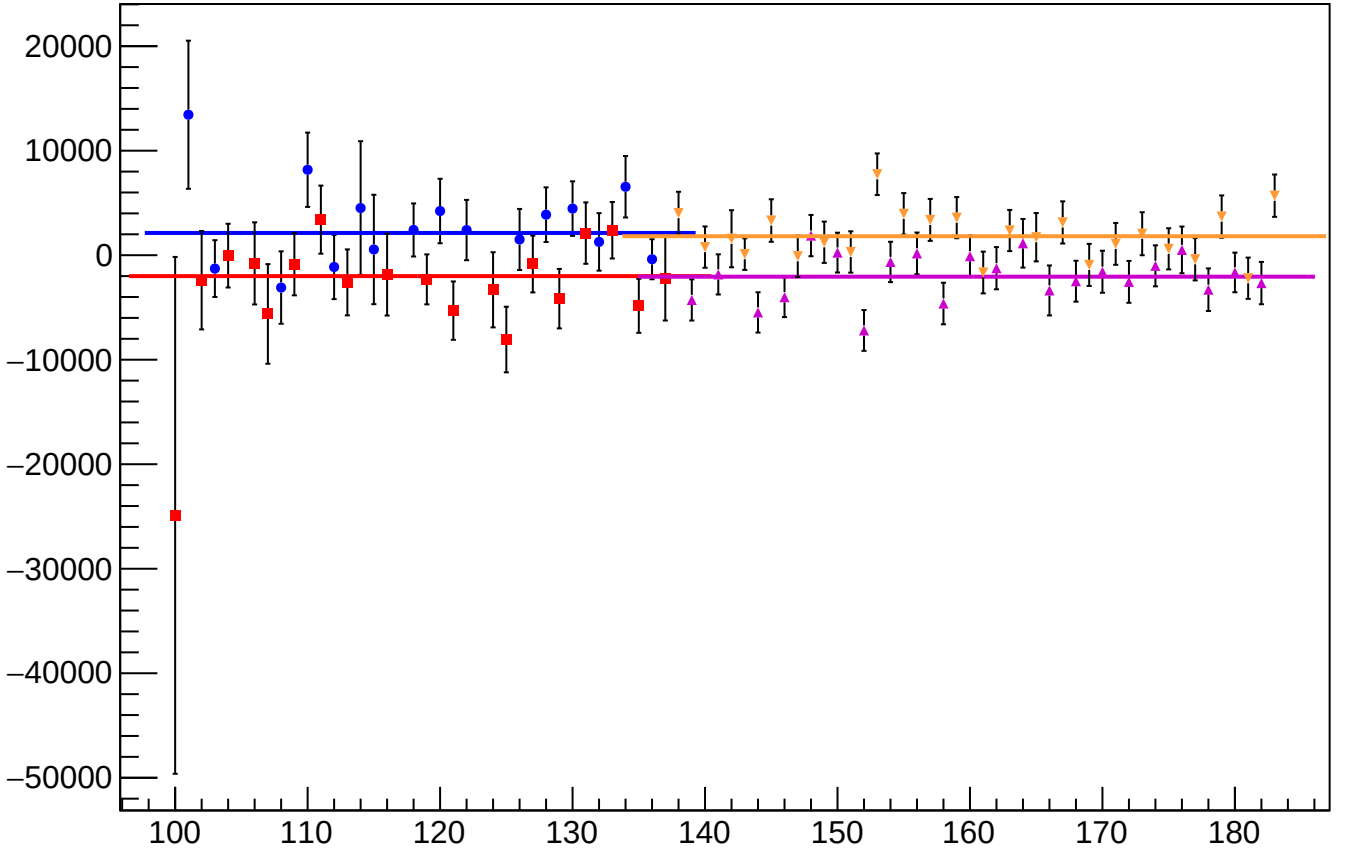
Left In: 470.397+/-0.088 χ^2/NDF:7316801.0/21

+ sign 512.969+/-0.078 χ^2/NDF: 9202409.2/39

All: 505.307+/-0.056 χ^2/NDF: 19320266.3/80

- sign 497.629+/-0.079 χ^2/NDF: 10098783.4/40

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1816.634+/-408.092 χ^2/NDF:32.1/23

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

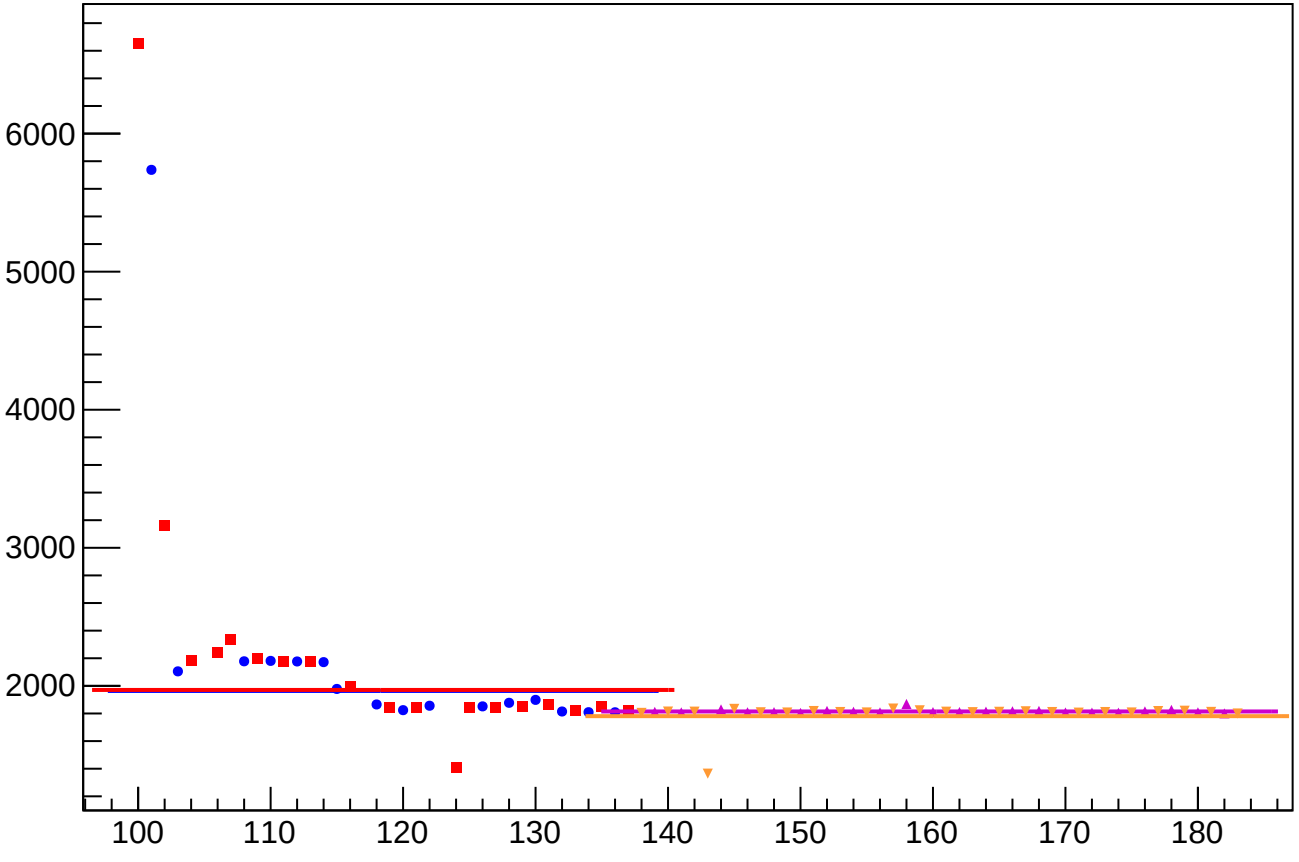
Left In: -2056.629+/-427.178 χ^2/NDF:26.9/21

+ sign 1888.486+/-358.050 χ^2/NDF: 48.7/39

All: -14.801+/-257.169 χ^2/NDF: 150.7/80

- sign -2042.951+/-369.608 χ^2/NDF: 43.7/40

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1780.645+/-0.289 χ^2/NDF:164871.0/23

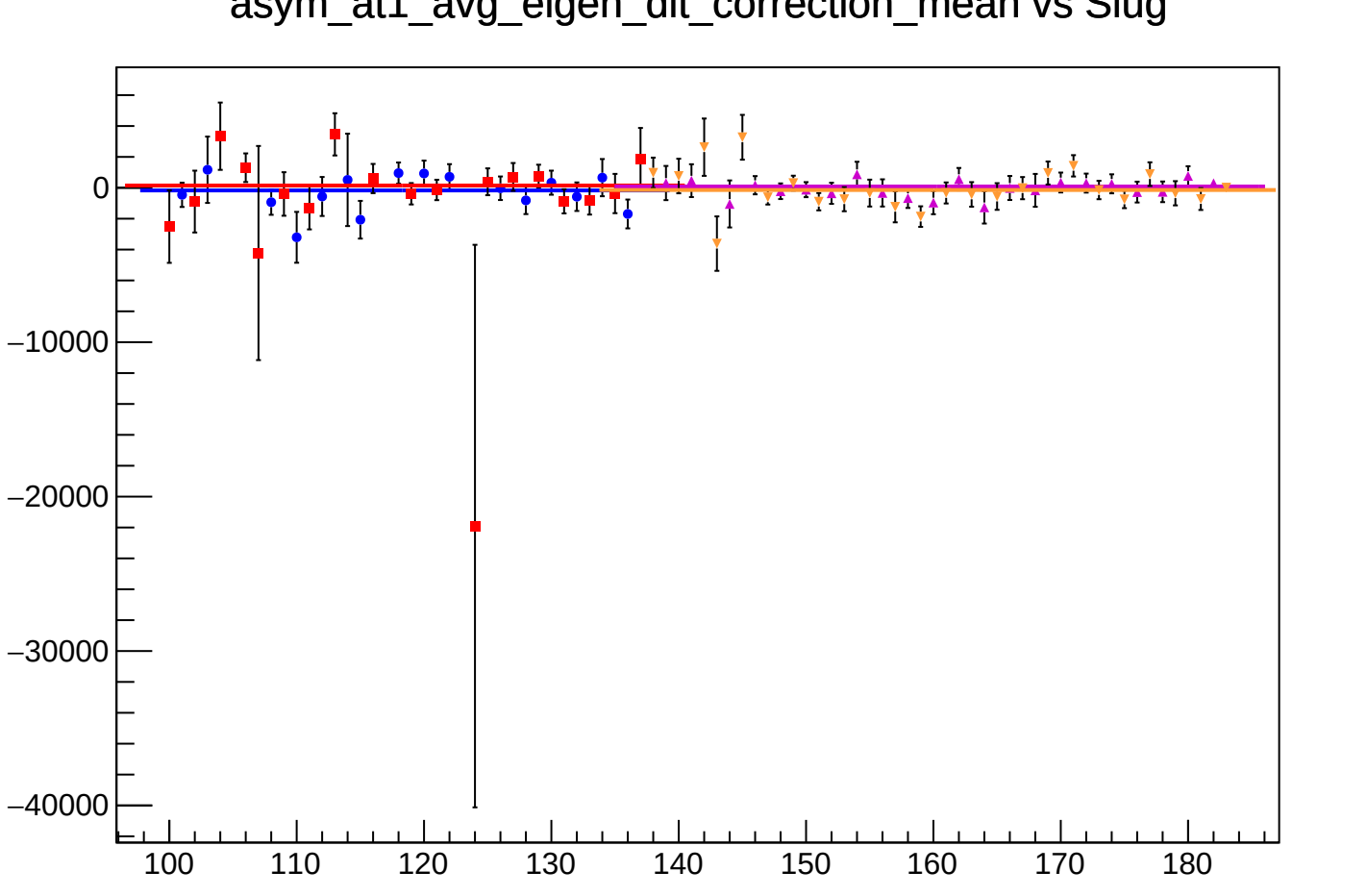
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1814.647+/-0.302 χ^2/NDF:2064.5/21

+ sign 1822.720+/-0.253 χ^2/NDF: 897478.0/39

All: 1837.774+/-0.182 χ^2/NDF: 1318861.8/80

- sign 1853.814+/-0.261 χ^2/NDF: 414081.8/40



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -143.543+/-125.655 χ^2/NDF:37.7/23

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

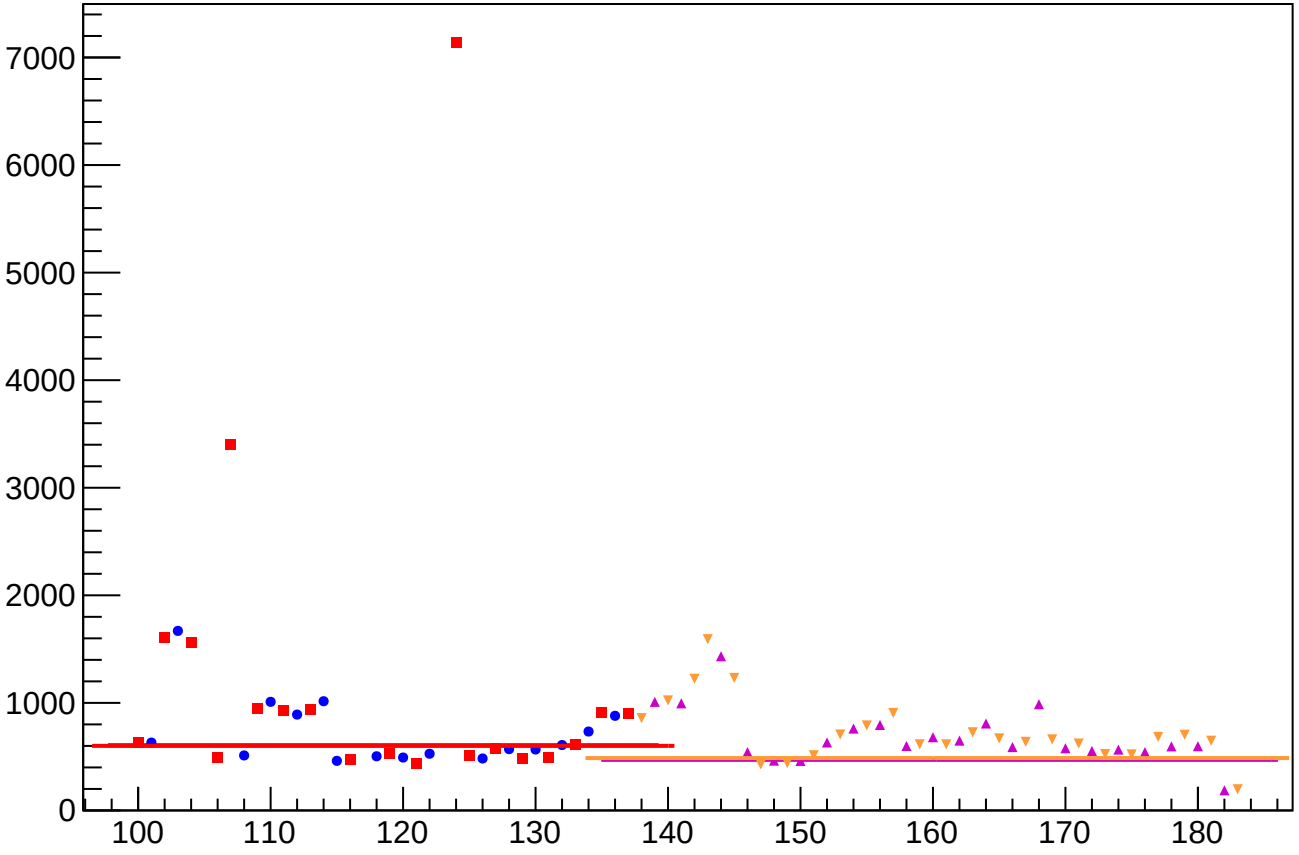
Left In: 83.443+/-124.982 χ^2/NDF:11.4/21

+ sign -149.521+/-111.007 χ^2/NDF: 55.0/39

All: -26.467+/-78.537 χ^2/NDF: 89.0/80

- sign 96.855+/-111.128 χ^2/NDF: 31.6/40

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 486.960+/-0.089 χ^2/NDF:7649627.0/23

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

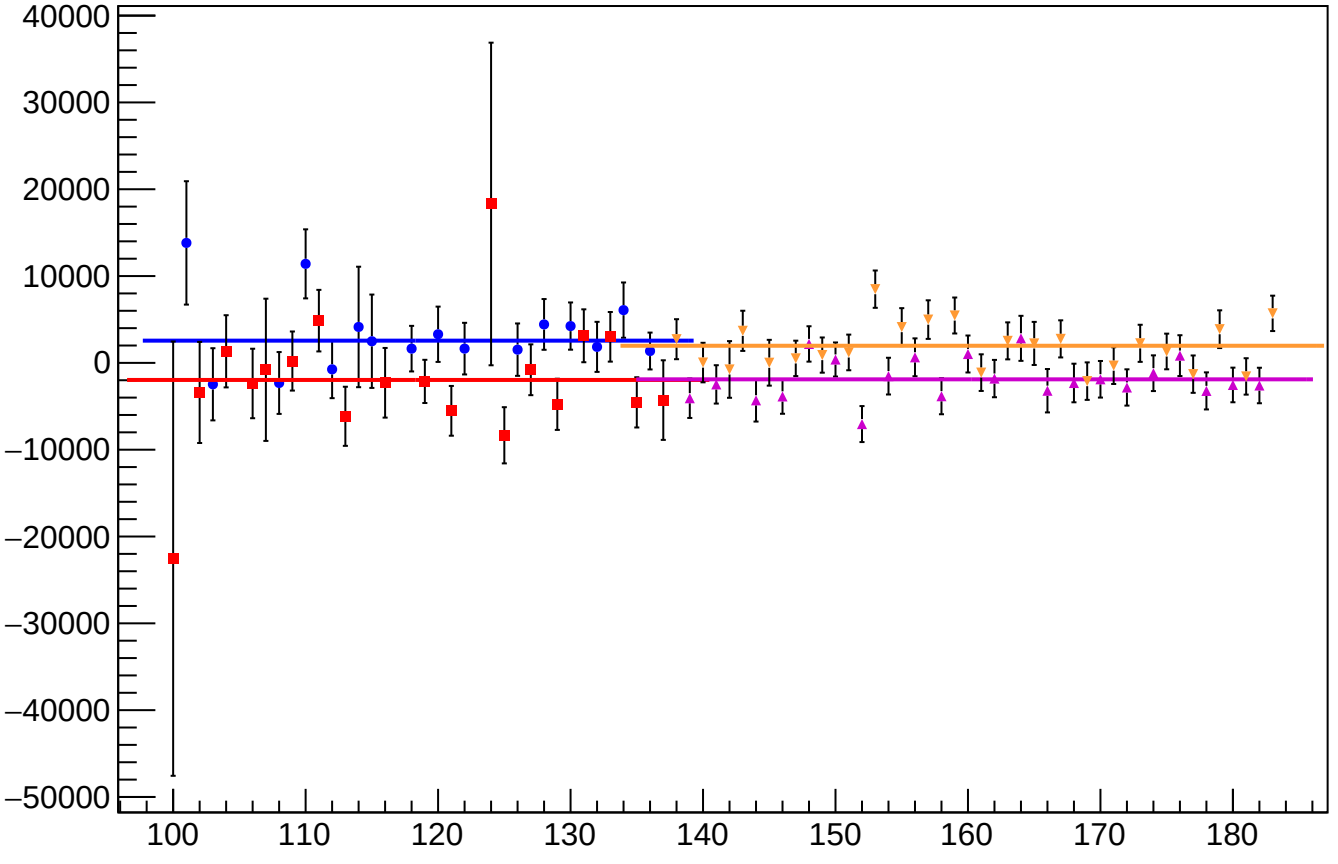
Left In: 470.398+/-0.088 χ^2/NDF:7316779.8/21

+ sign 512.969+/-0.078 χ^2/NDF: 9202401.1/39

All: 505.308+/-0.056 χ^2/NDF: 19320231.8/80

- sign 497.630+/-0.079 χ^2/NDF: 10098757.8/40

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1972.741+/-447.002 χ^2/NDF:34.9/23

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

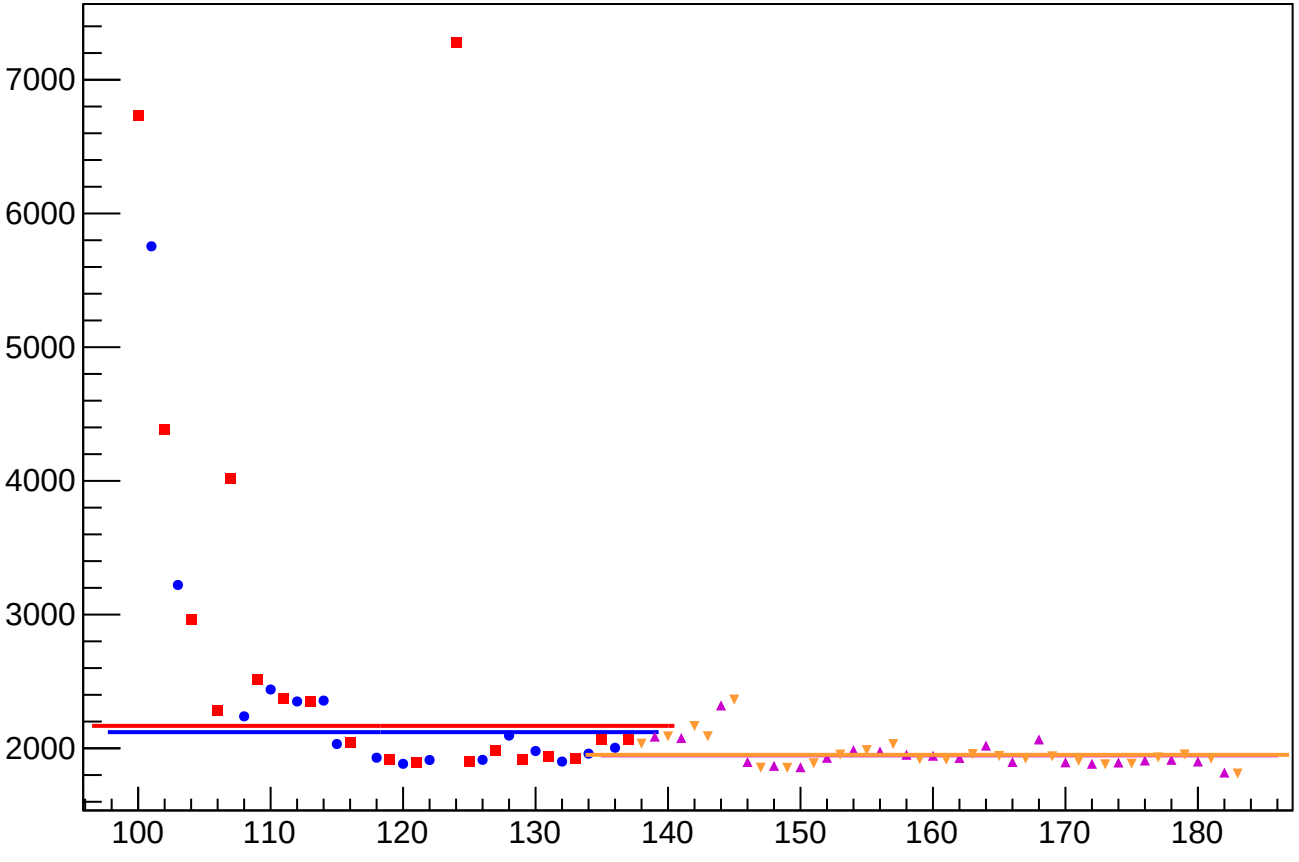
Left In: -1895.547+/-459.162 χ^2/NDF:24.5/21

+ sign 2110.151+/-391.325 χ^2/NDF: 49.9/39

All: 145.363+/-279.894 χ^2/NDF: 147.6/80

- sign -1912.575+/-400.494 χ^2/NDF: 46.1/40

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1951.126+/-0.316 χ^2/NDF:105610.6/23

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

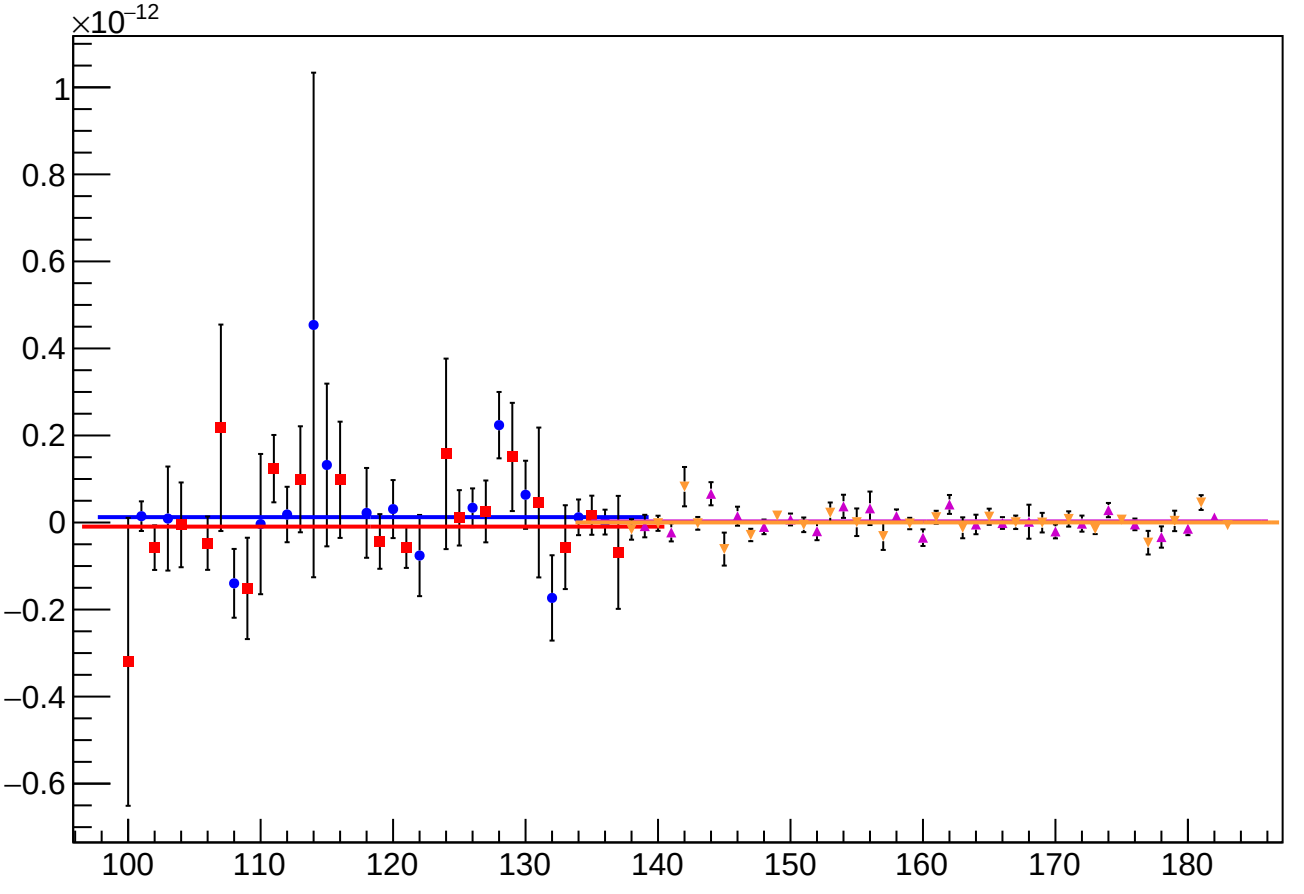
Left In: 1947.471+/-0.325 χ^2/NDF:93159.3/21

+ sign 1990.756+/-0.277 χ^2/NDF: 932877.3/39

All: 1995.363+/-0.198 χ^2/NDF: 1960732.8/80

- sign 2000.188+/-0.283 χ^2/NDF: 1027288.1/40

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/23

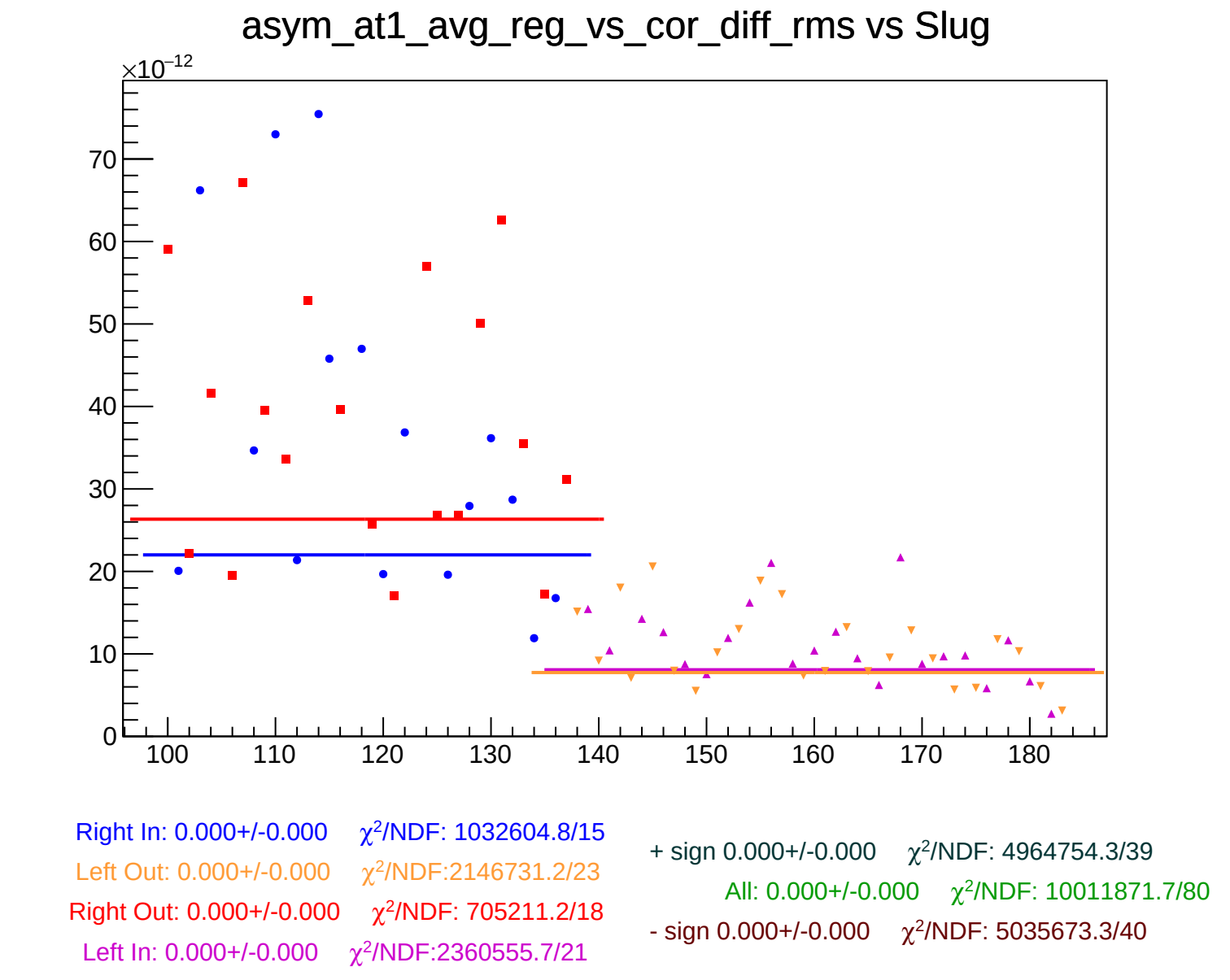
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:29.2/21

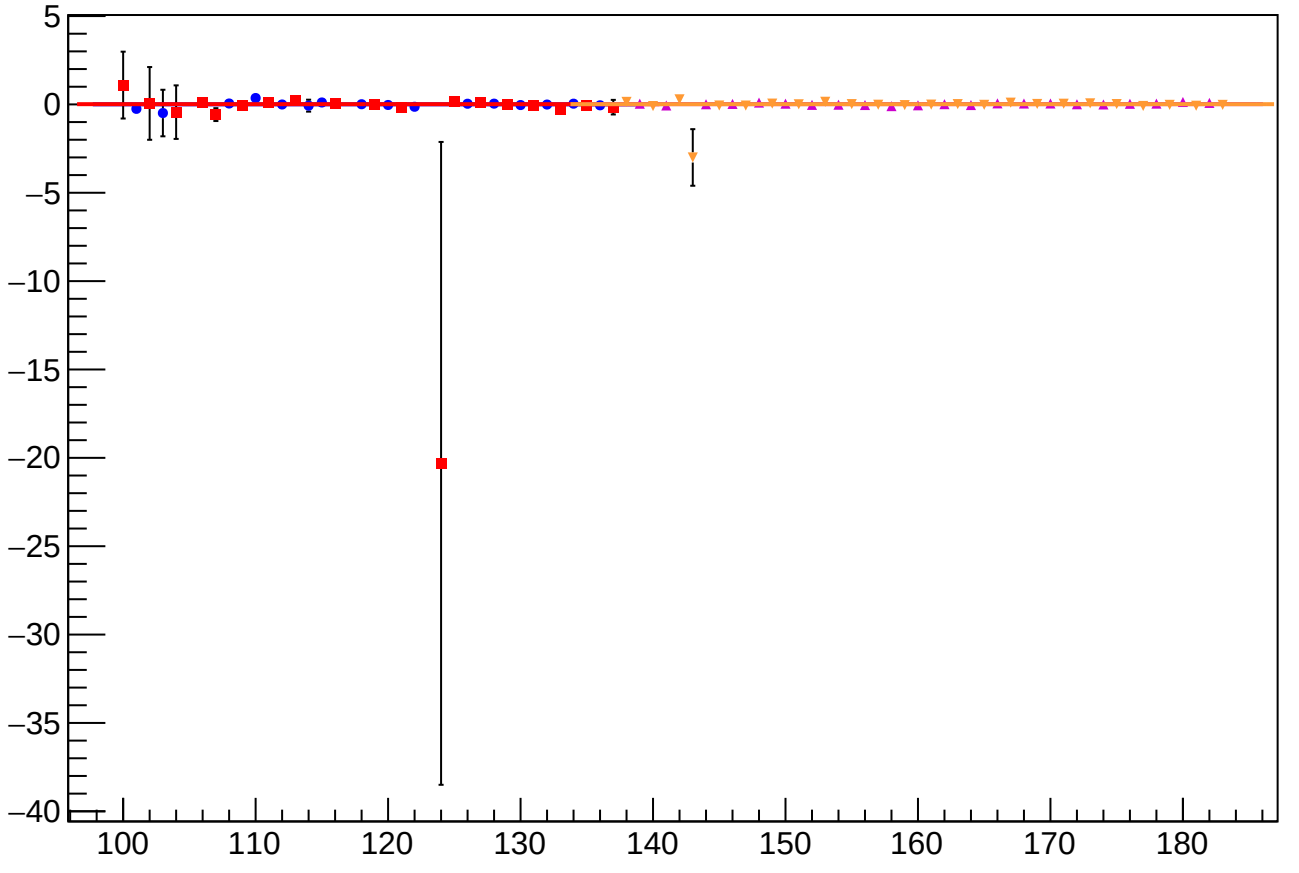
+ sign 0.000+/-0.000 χ^2/NDF: 47.1/39

All: 0.000+/-0.000 χ^2/NDF: 90.6/80

- sign 0.000+/-0.000 χ^2/NDF: 43.4/40


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2146731.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:2360555.7/21
+ sign 0.000+/-0.000 χ²/NDF: 4964754.3/39
All: 0.000+/-0.000 χ²/NDF: 10011871.7/80
- sign 0.000+/-0.000 χ²/NDF: 5035673.3/40

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.012 χ^2/NDF:28.8/23

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

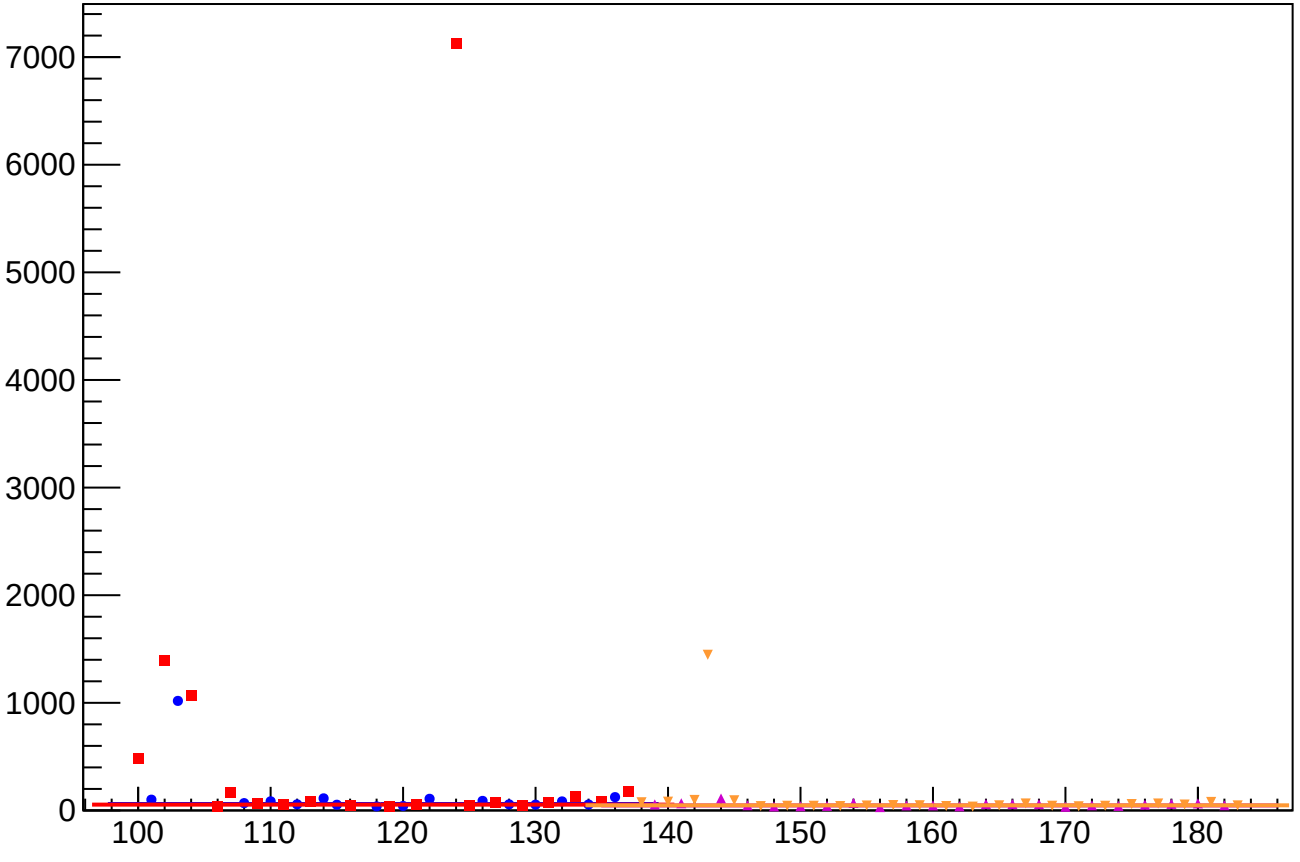
Left In: 0.017+/-0.012 χ^2/NDF:19.3/21

+ sign 0.011+/-0.011 χ^2/NDF: 40.3/39

All: 0.013+/-0.008 χ^2/NDF: 77.3/80

- sign 0.016+/-0.011 χ^2/NDF: 36.9/40

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.716+/-0.009 χ^2/NDF:3430623.9/23

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

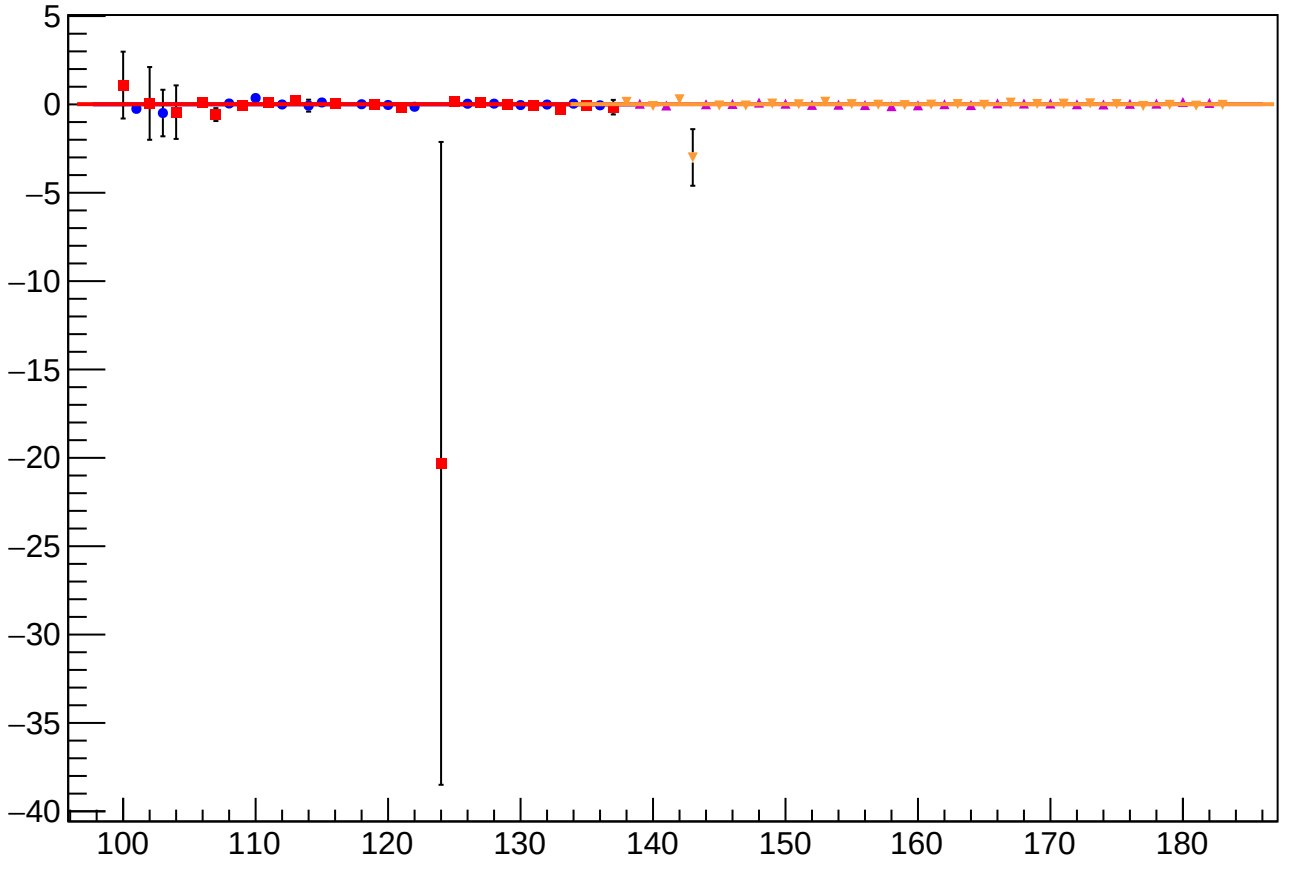
Left In: 46.742+/-0.009 χ^2/NDF:1947837.7/21

+ sign 49.888+/-0.008 χ^2/NDF: 6307525.1/39

All: 49.001+/-0.006 χ^2/NDF: 11938844.2/80

- sign 48.140+/-0.008 χ^2/NDF: 5607077.9/40

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.012 χ^2/NDF:28.8/23

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

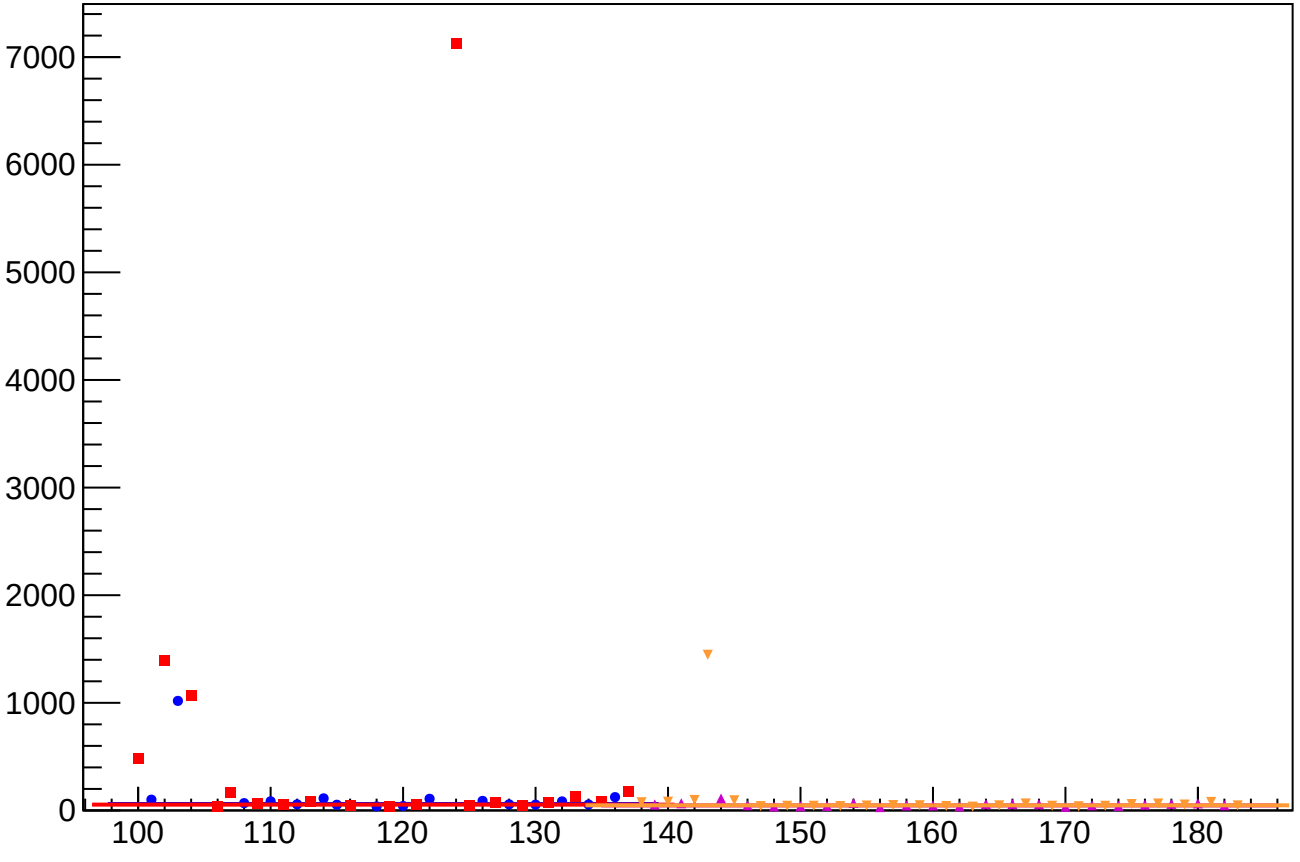
Left In: 0.017+/-0.012 χ^2/NDF:19.3/21

+ sign 0.011+/-0.011 χ^2/NDF: 40.3/39

All: 0.013+/-0.008 χ^2/NDF: 77.3/80

- sign 0.016+/-0.011 χ^2/NDF: 36.9/40

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.716+/-0.009 χ^2/NDF:3430623.9/23

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

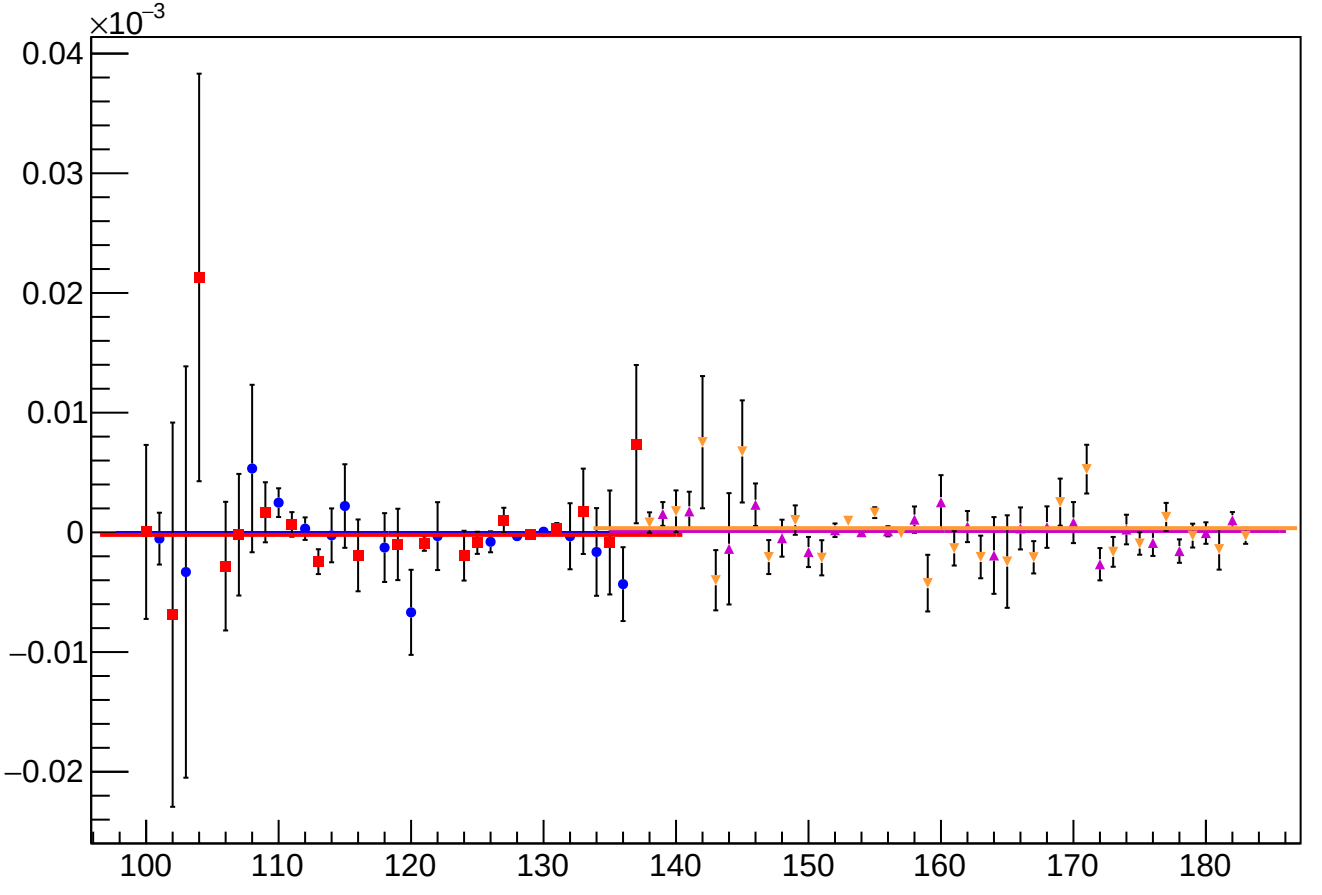
Left In: 46.742+/-0.009 χ^2/NDF:1947837.7/21

\+ sign 49.888+/-0.008 χ^2/NDF: 6307525.1/39

All: 49.001+/-0.006 χ^2/NDF: 11938844.2/80

\- sign 48.140+/-0.008 χ^2/NDF: 5607077.9/40

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

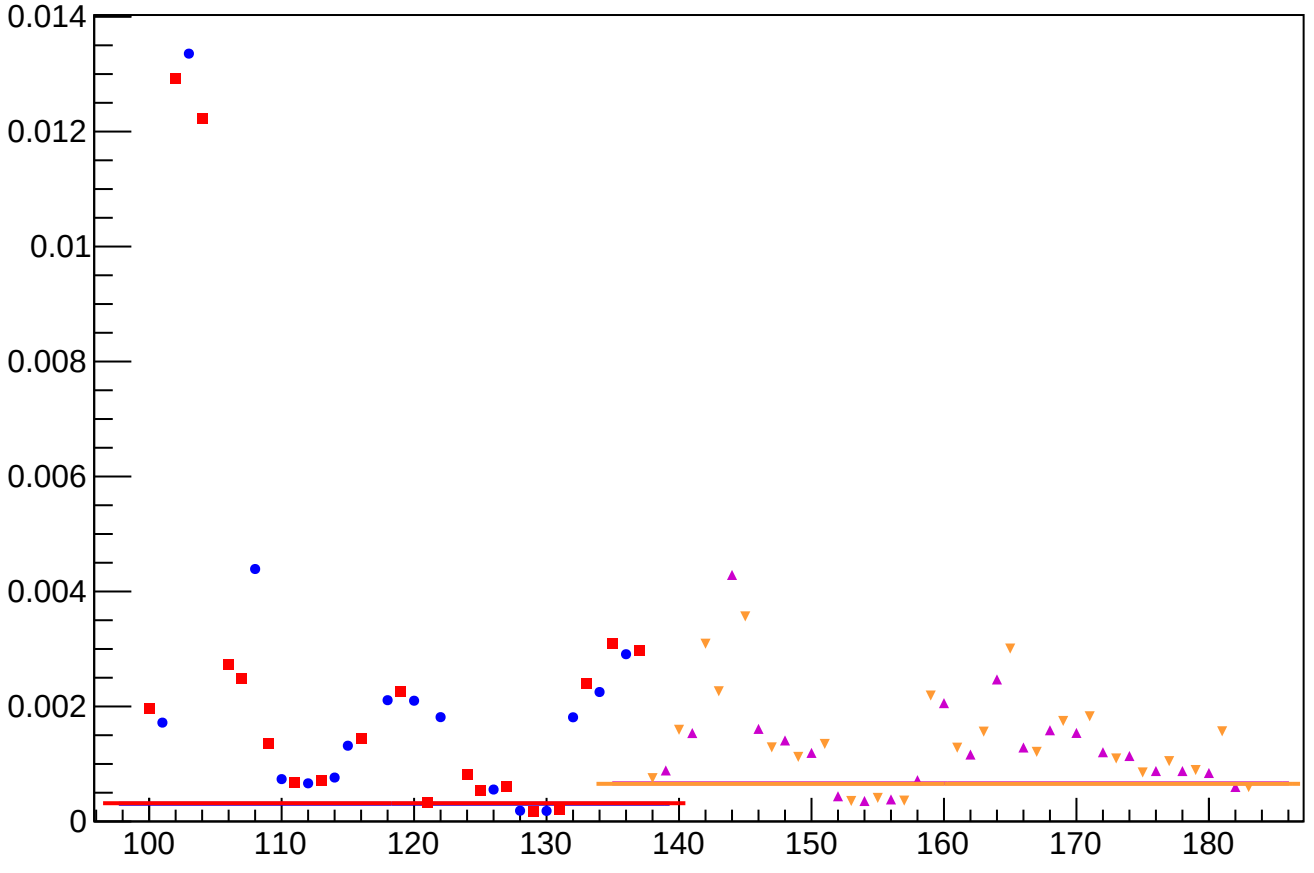
Left In: 0.000+/-0.000 χ^2/NDF:19.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 66.0/39

All: 0.000+/-0.000 χ^2/NDF: 103.4/80

- sign -0.000+/-0.000 χ^2/NDF: 36.3/40

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:12081040.6/23

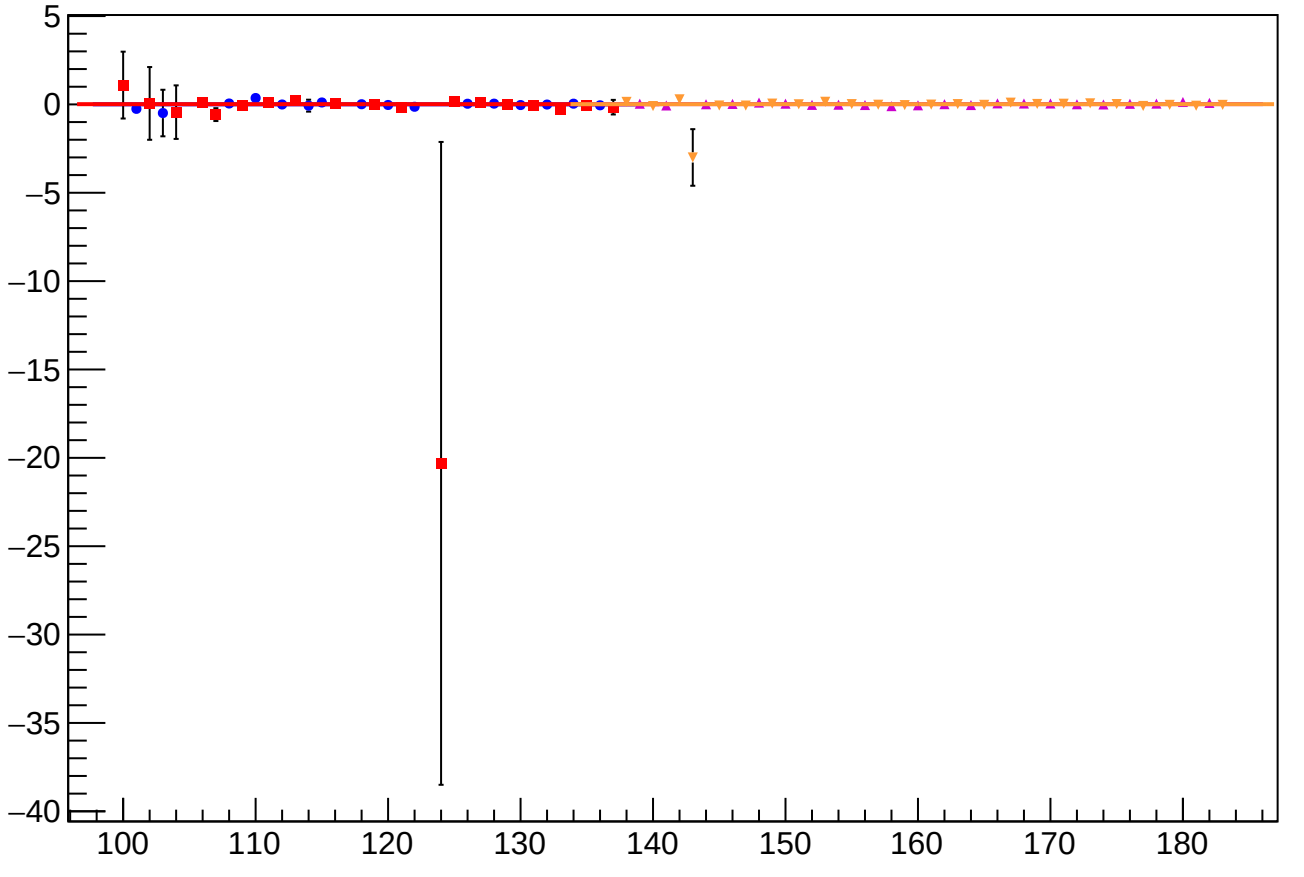
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9685841.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 24194665.4/39

All: 0.000+/-0.000 χ^2/NDF: 45149638.8/80

- sign 0.000+/-0.000 χ^2/NDF: 20954722.8/40



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.012 χ^2/NDF:28.8/23

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

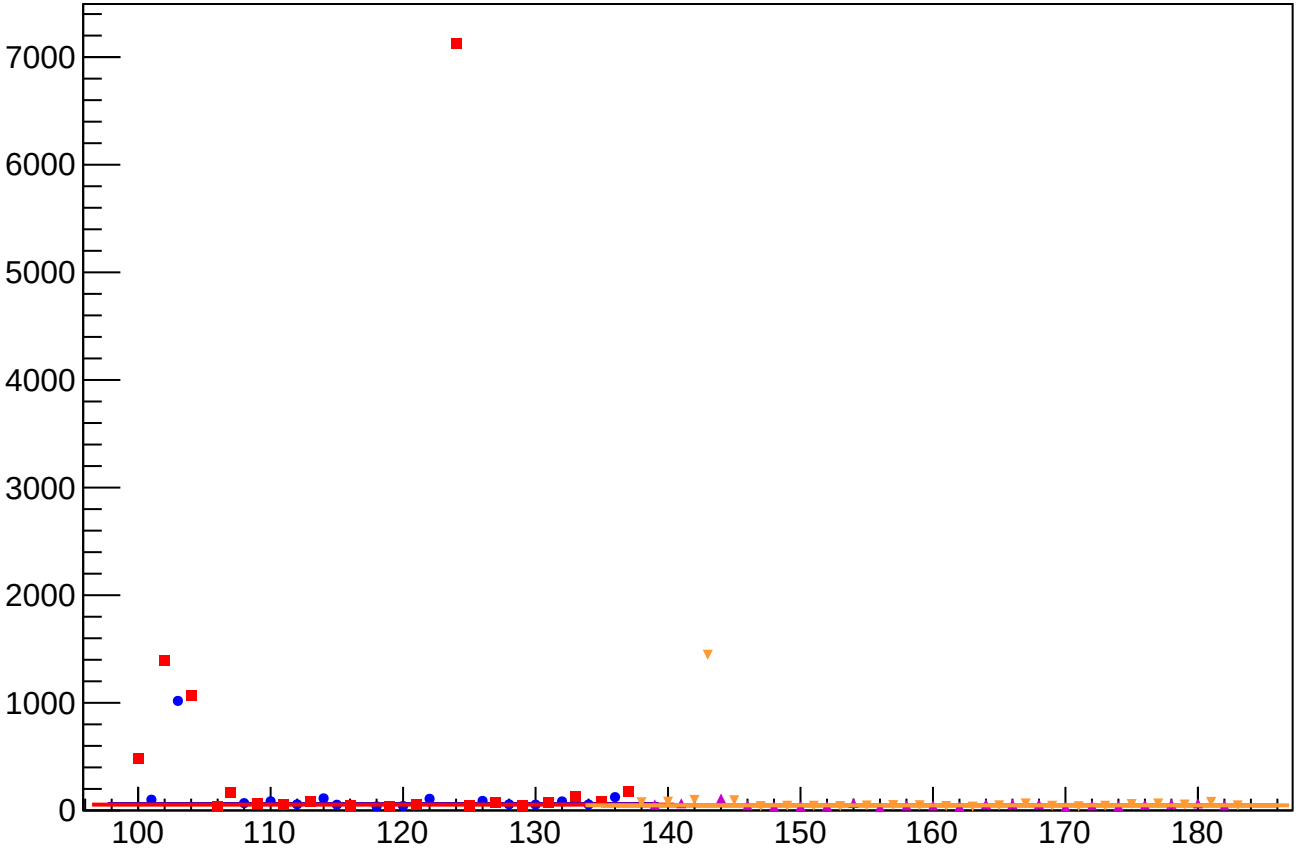
Left In: 0.017+/-0.012 χ^2/NDF:19.3/21

+ sign 0.011+/-0.011 χ^2/NDF: 40.3/39

All: 0.013+/-0.008 χ^2/NDF: 77.3/80

- sign 0.016+/-0.011 χ^2/NDF: 36.9/40

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.716+/-0.009 χ^2/NDF:3430600.7/23

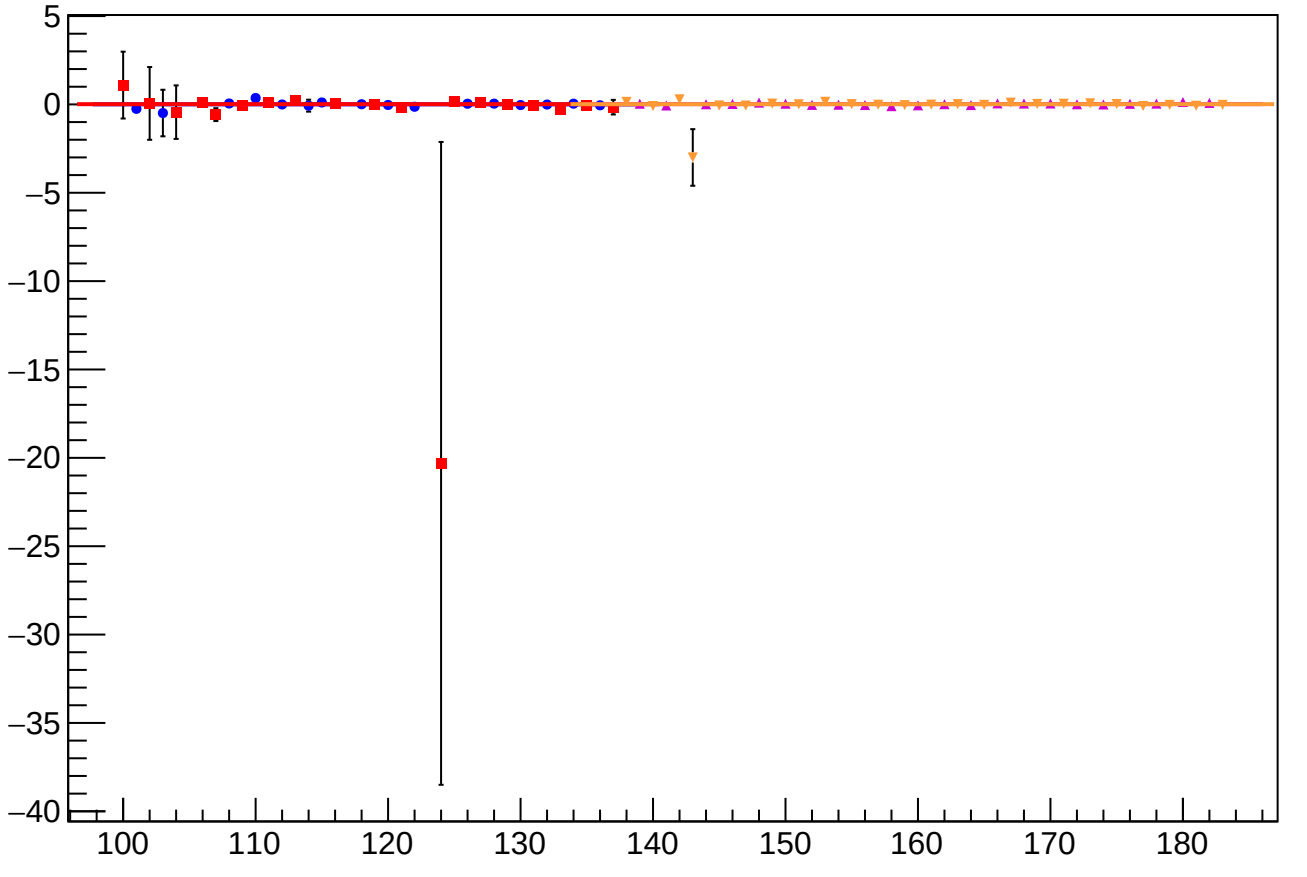
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.742+/-0.009 χ^2/NDF:1947831.8/21

+ sign 49.888+/-0.008 χ^2/NDF: 6307493.6/39

All: 49.001+/-0.006 χ^2/NDF: 11938841.6/80

- sign 48.140+/-0.008 χ^2/NDF: 5607097.3/40



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.012 χ^2/NDF:28.8/23

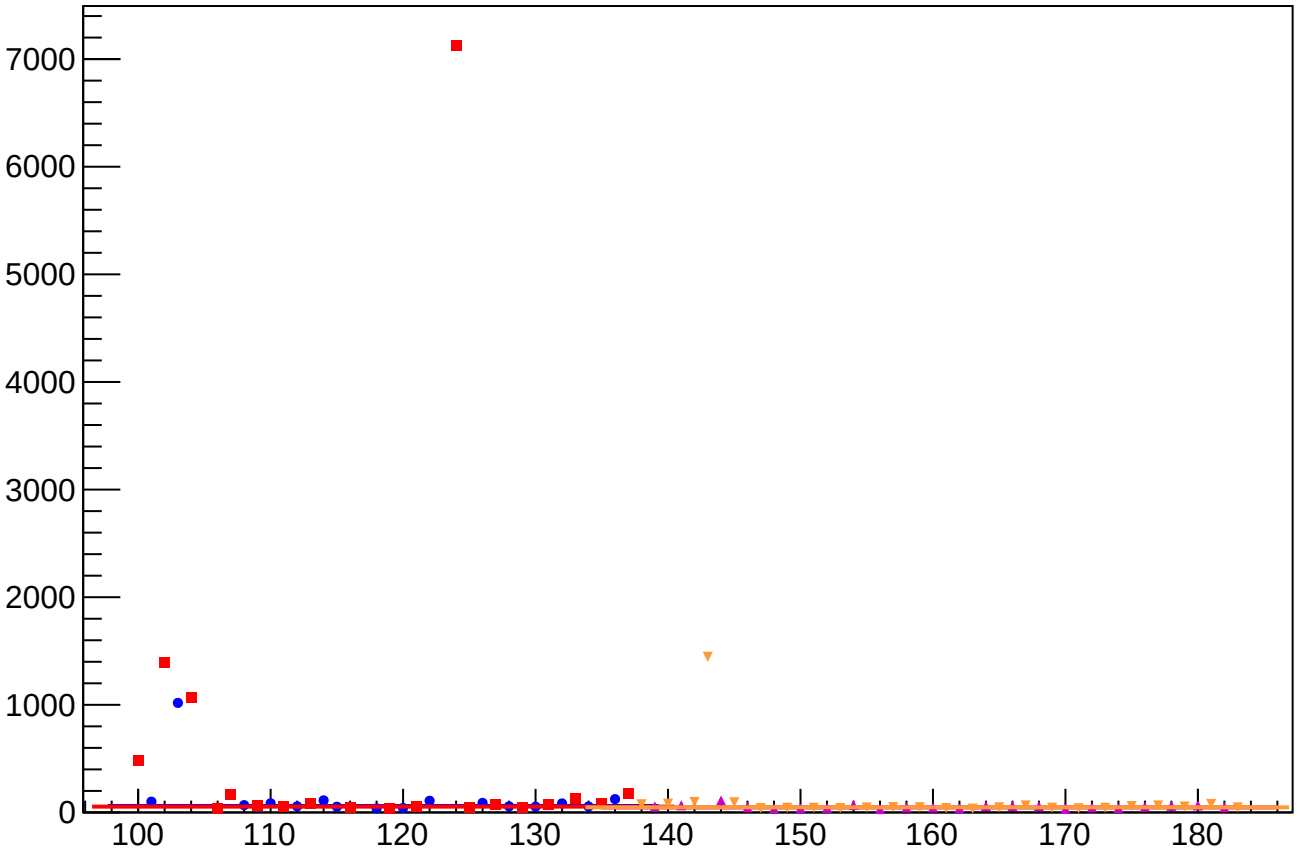
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.017+/-0.012 χ^2/NDF:19.3/21

+ sign 0.011+/-0.011 χ^2/NDF: 40.3/39

All: 0.013+/-0.008 χ^2/NDF: 77.3/80

- sign 0.016+/-0.011 χ^2/NDF: 36.9/40



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.716+/-0.009 χ^2/NDF:3430600.7/23

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

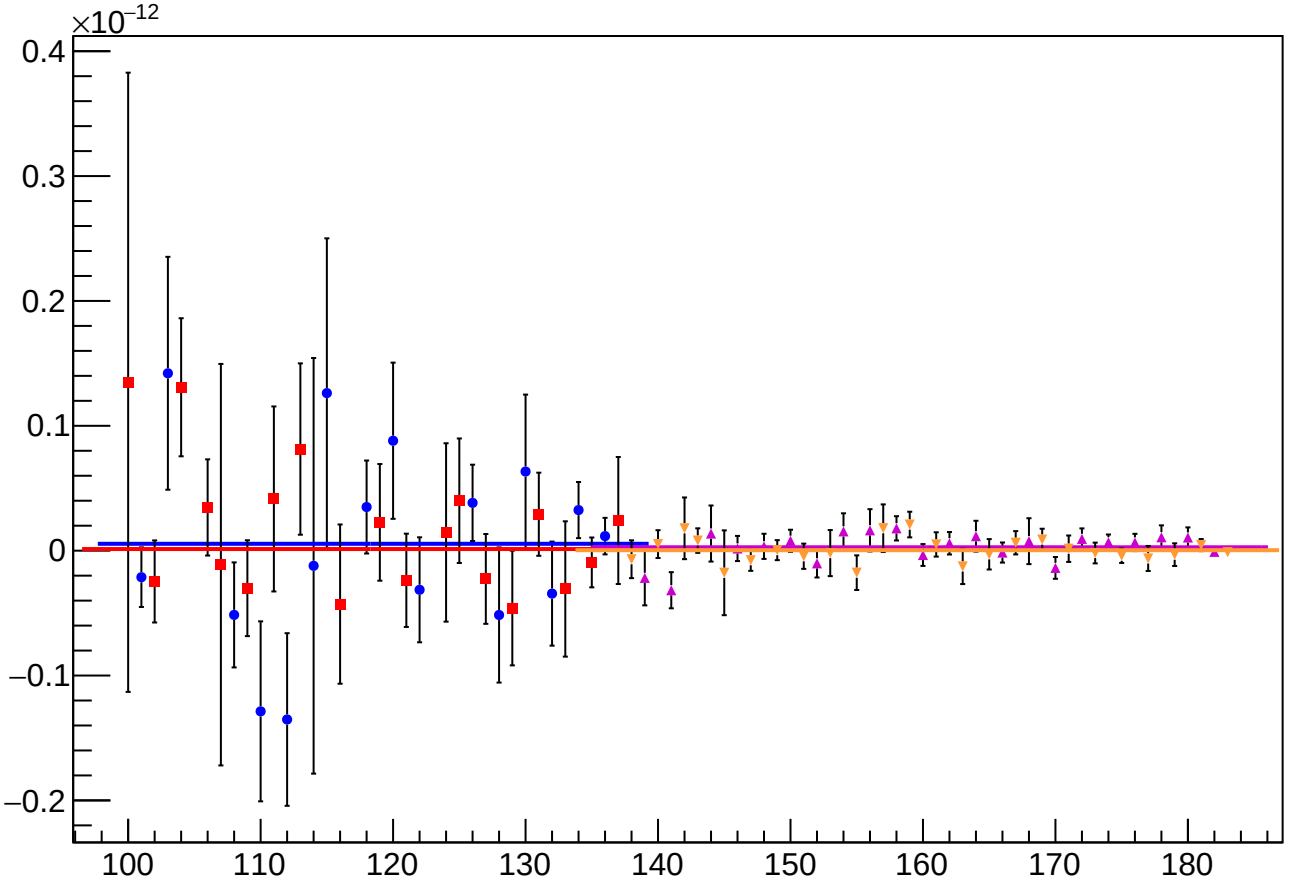
Left In: 46.742+/-0.009 χ^2/NDF:1947831.8/21

+ sign 49.888+/-0.008 χ^2/NDF: 6307493.6/39

All: 49.001+/-0.006 χ^2/NDF: 11938841.6/80

- sign 48.140+/-0.008 χ^2/NDF: 5607097.3/40

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/23

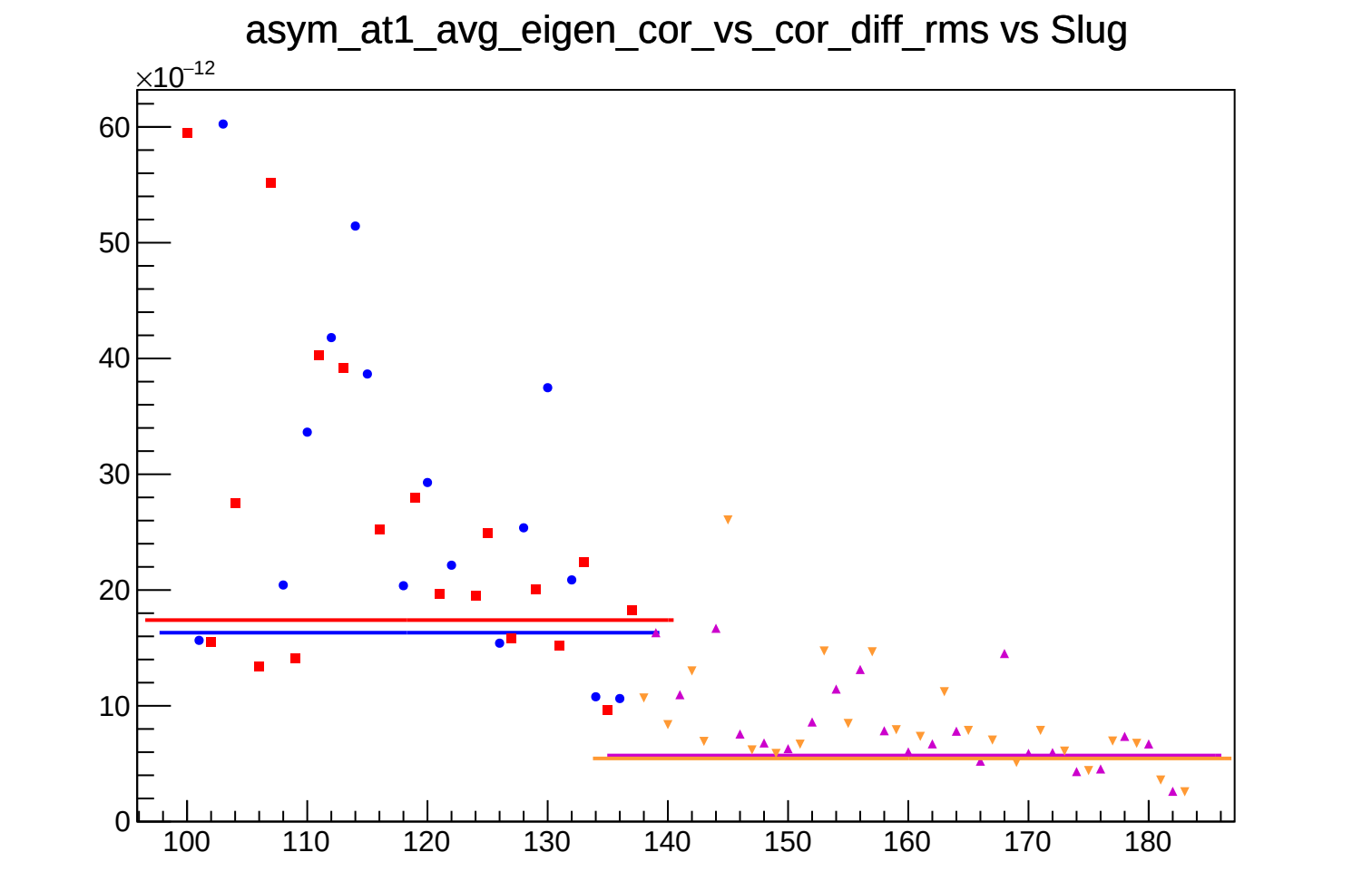
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/21

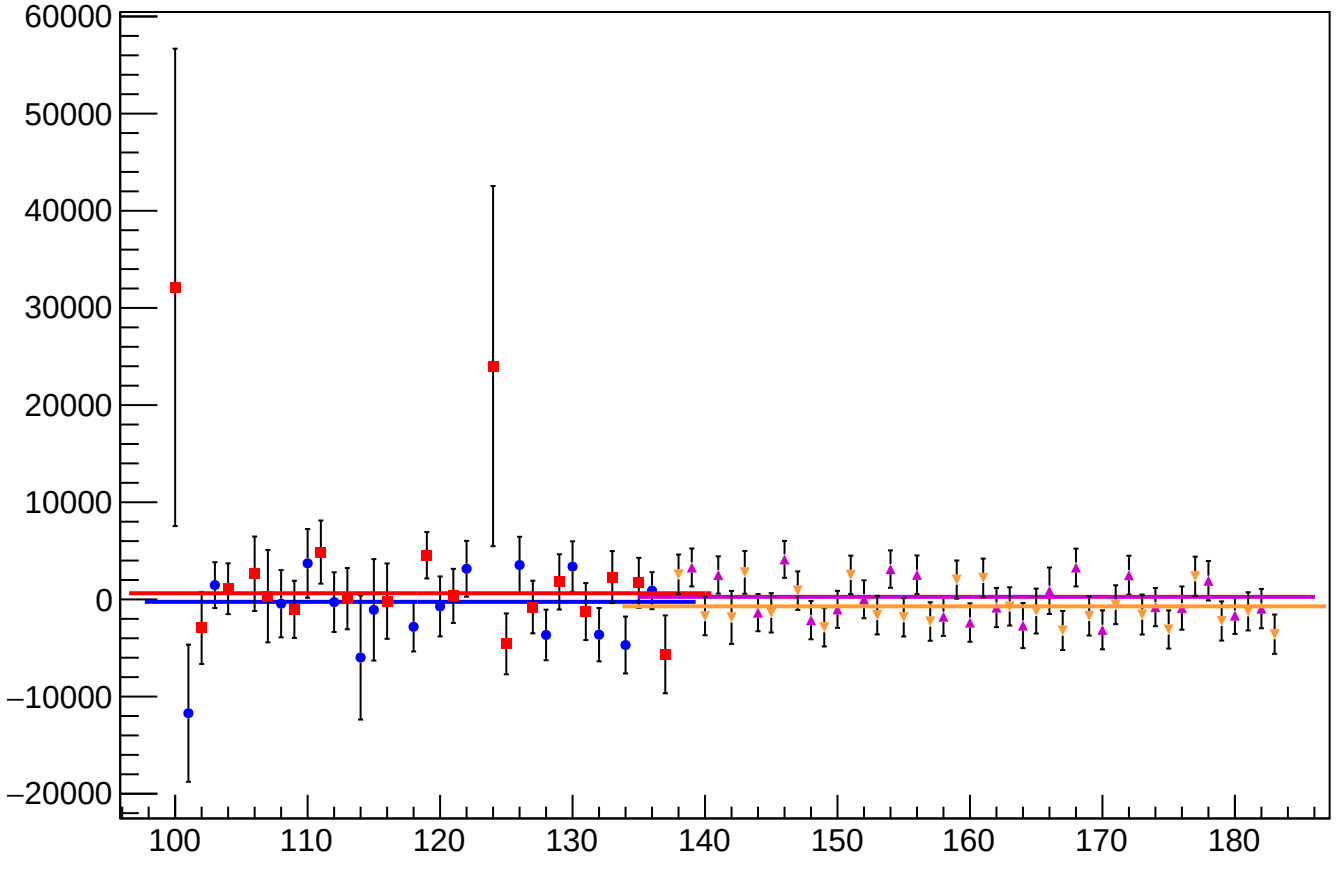
+ sign 0.000+/-0.000 χ^2/NDF: 37.1/39

All: 0.000+/-0.000 χ^2/NDF: 73.9/80

- sign 0.000+/-0.000 χ^2/NDF: 36.0/40


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5085403.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:4477038.1/21
+ sign 0.000+/-0.000 χ²/NDF: 10013589.8/39
All: 0.000+/-0.000 χ²/NDF: 18470432.5/80
- sign 0.000+/-0.000 χ²/NDF: 8438860.9/40

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -713.439+/-415.043 χ^2/NDF:23.9/23

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

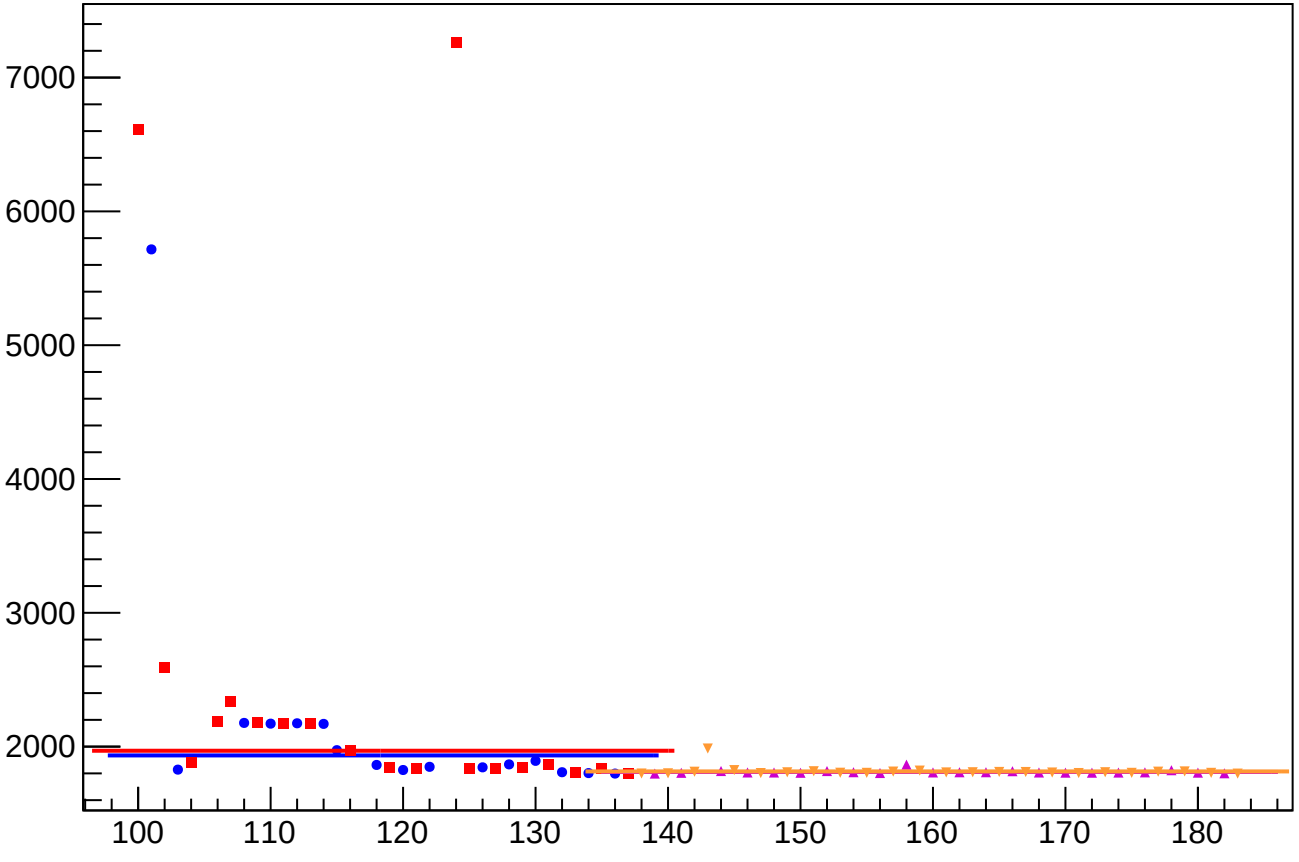
Left In: 264.566+/-426.224 χ^2/NDF:28.0/21

+ sign -601.730+/-361.417 χ^2/NDF: 41.5/39

All: -131.549+/-258.122 χ^2/NDF: 89.0/80

- sign 357.968+/-368.774 χ^2/NDF: 44.1/40

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1814.654+/-0.293 χ^2/NDF:13061.1/23

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

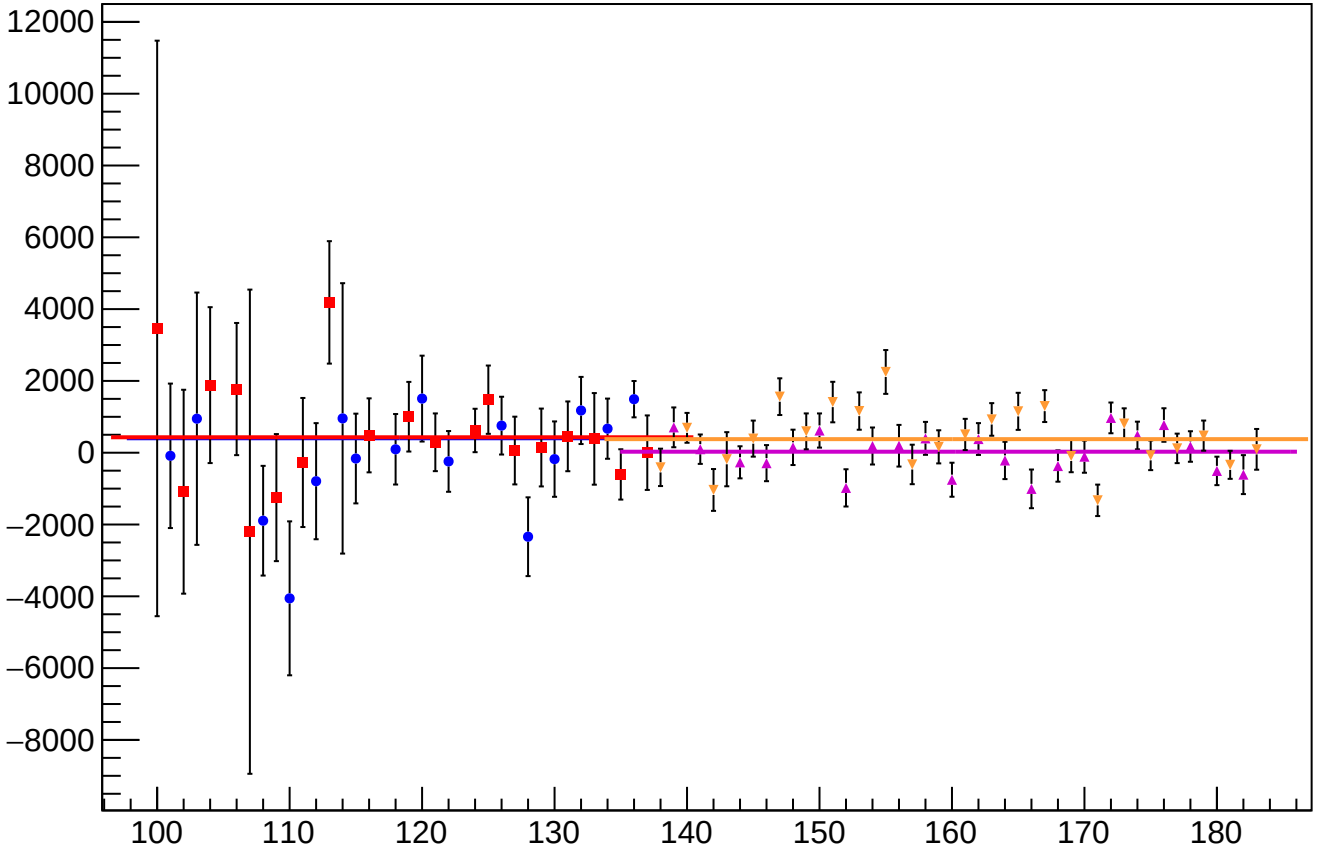
Left In: 1810.627+/-0.301 χ^2/NDF:1948.0/21

+ sign 1843.554+/-0.256 χ^2/NDF: 693099.7/39

All: 1846.955+/-0.183 χ^2/NDF: 1143389.5/80

- sign 1850.495+/-0.261 χ^2/NDF: 449928.5/40

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 378.132+/-97.498 χ^2/NDF:62.3/23

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

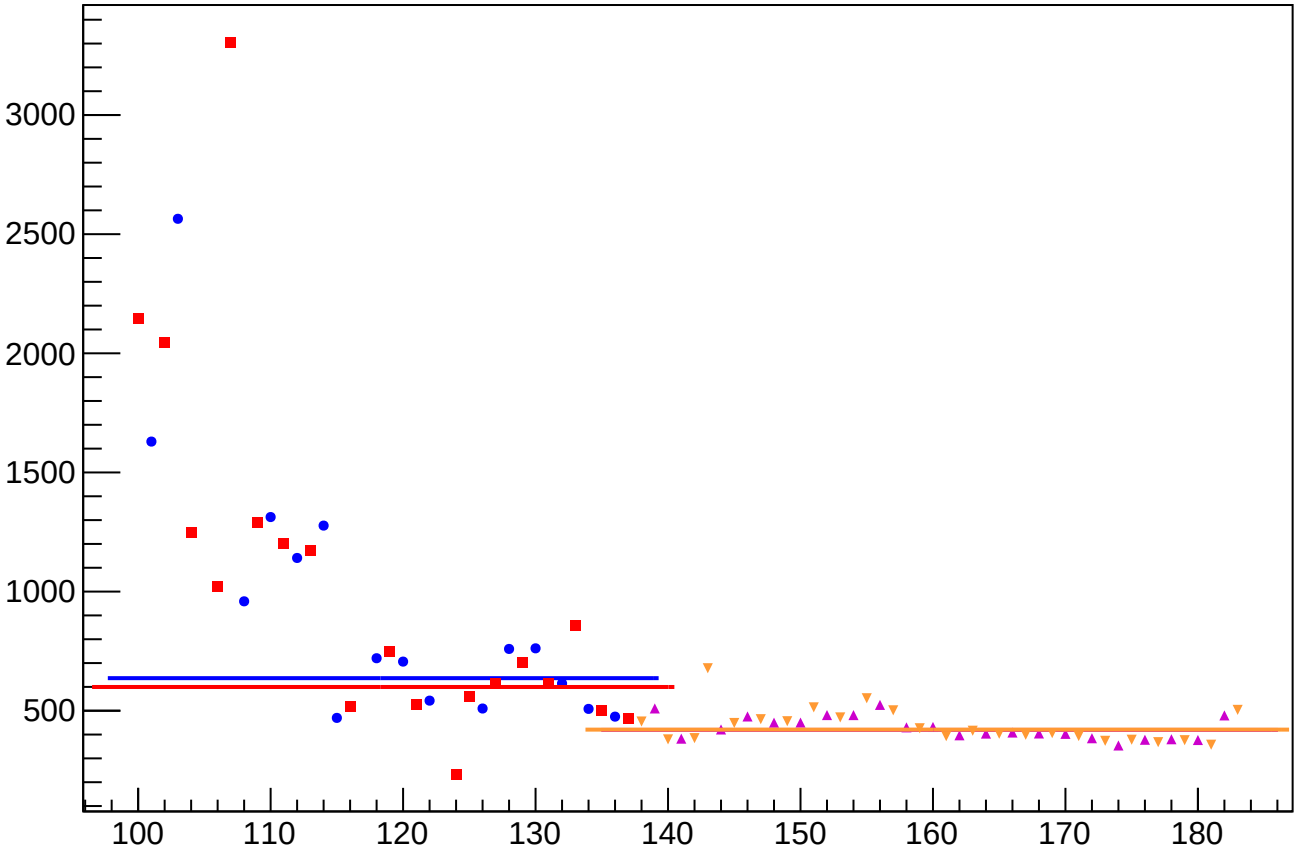
Left In: 28.020+/-99.574 χ^2/NDF:28.8/21

+ sign 381.181+/-91.229 χ^2/NDF: 83.4/39

All: 233.903+/-65.004 χ^2/NDF: 131.5/80

- sign 82.009+/-92.647 χ^2/NDF: 42.7/40

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 420.680+/-0.069 χ^2/NDF:731563.0/23

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

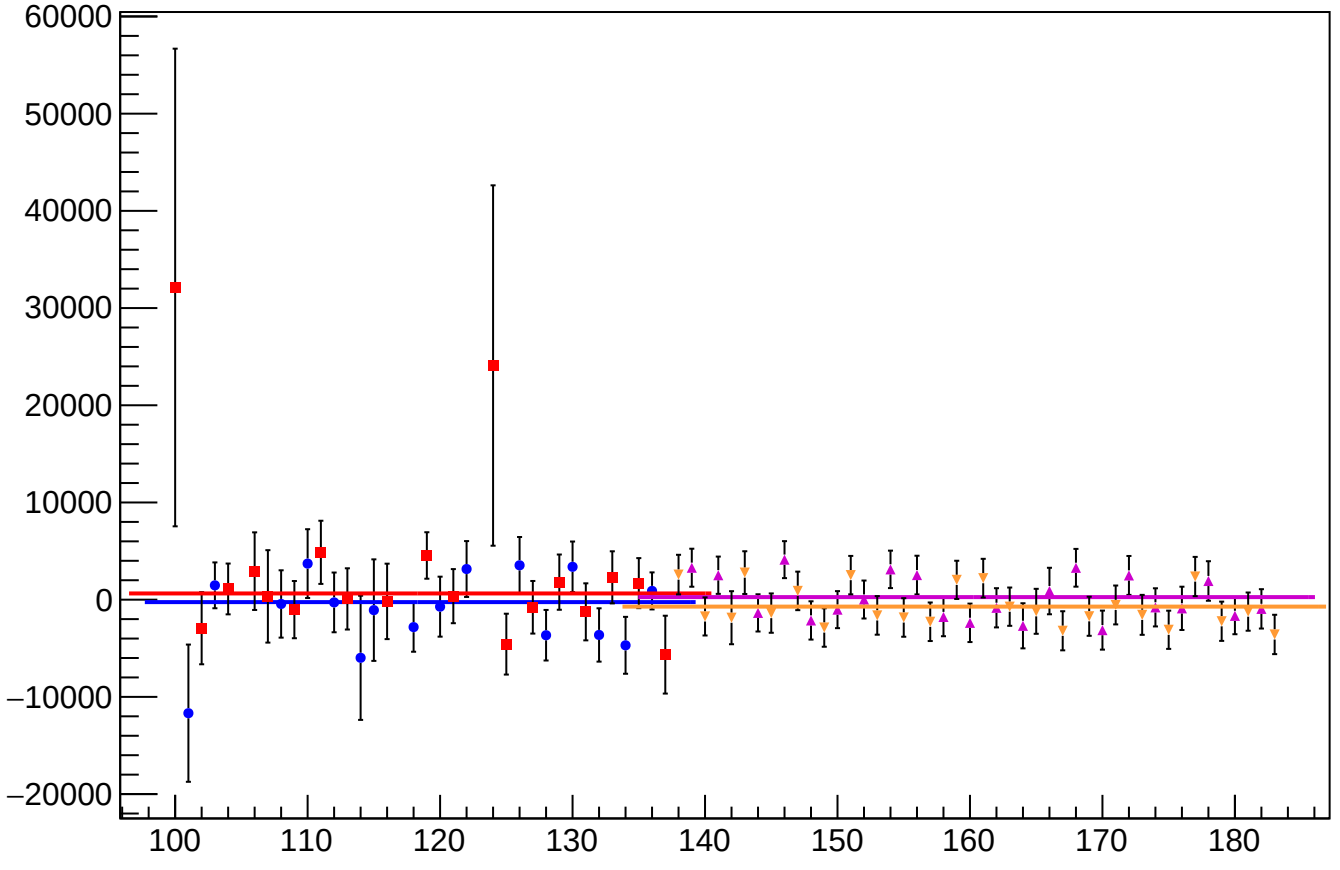
Left In: 419.343+/-0.070 χ^2/NDF:400107.8/21

+ sign 447.570+/-0.065 χ^2/NDF: 4020573.7/39

All: 445.593+/-0.046 χ^2/NDF: 8247138.9/80

- sign 443.553+/-0.066 χ^2/NDF: 4224656.6/40

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -713.451+/-415.043 χ^2/NDF:23.9/23

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

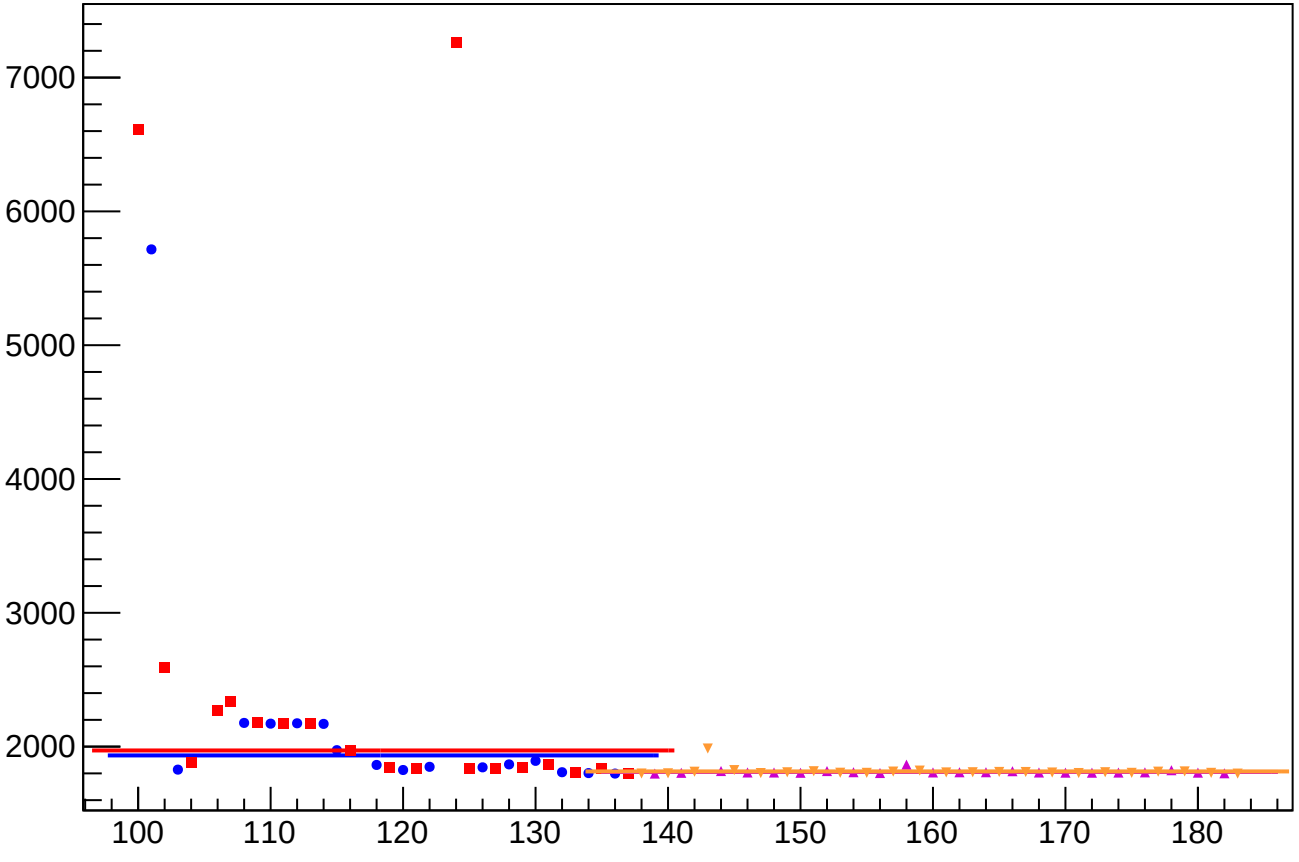
Left In: 264.595+/-426.224 χ^2/NDF:28.0/21

\+ sign -601.544+/-361.417 χ^2/NDF: 41.5/39

All: -131.131+/-258.168 χ^2/NDF: 89.1/80

\- sign 358.987+/-368.909 χ^2/NDF: 44.2/40

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1814.654+/-0.293 χ^2/NDF:13061.1/23

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

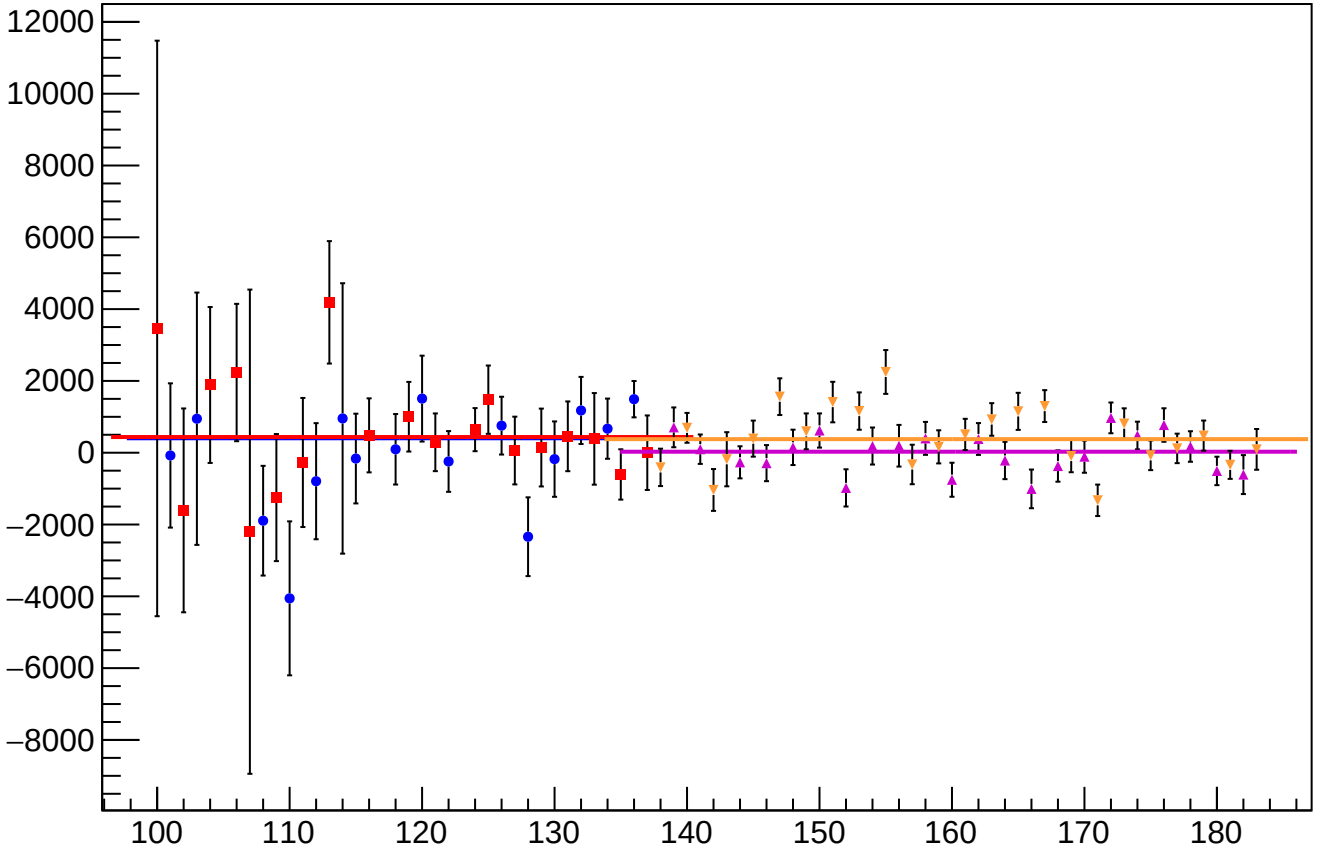
Left In: 1810.627+/-0.301 χ^2/NDF:1948.0/21

+ sign 1843.554+/-0.256 χ^2/NDF: 693099.6/39

All: 1847.175+/-0.183 χ^2/NDF: 1149982.5/80

- sign 1850.948+/-0.261 χ^2/NDF: 456473.0/40

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 378.093+/-97.499 χ^2/NDF:62.3/23

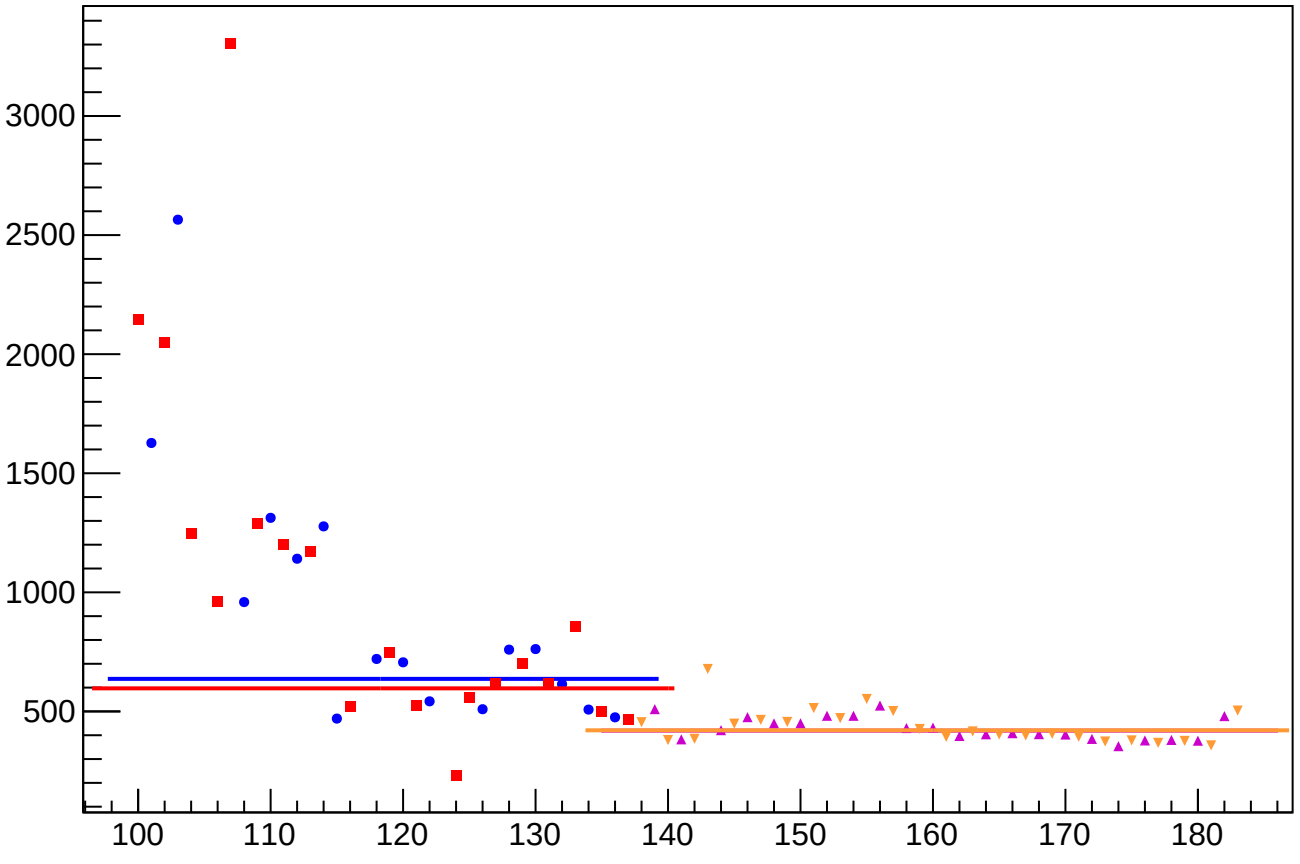
Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 28.026+/-99.573 χ^2/NDF:28.8/21

+ sign 381.157+/-91.229 χ^2/NDF: 83.4/39

All: 234.346+/-65.001 χ^2/NDF: 132.2/80

- sign 82.960+/-92.639 χ^2/NDF: 43.5/40



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 420.683+/-0.069 χ^2/NDF:731491.8/23

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

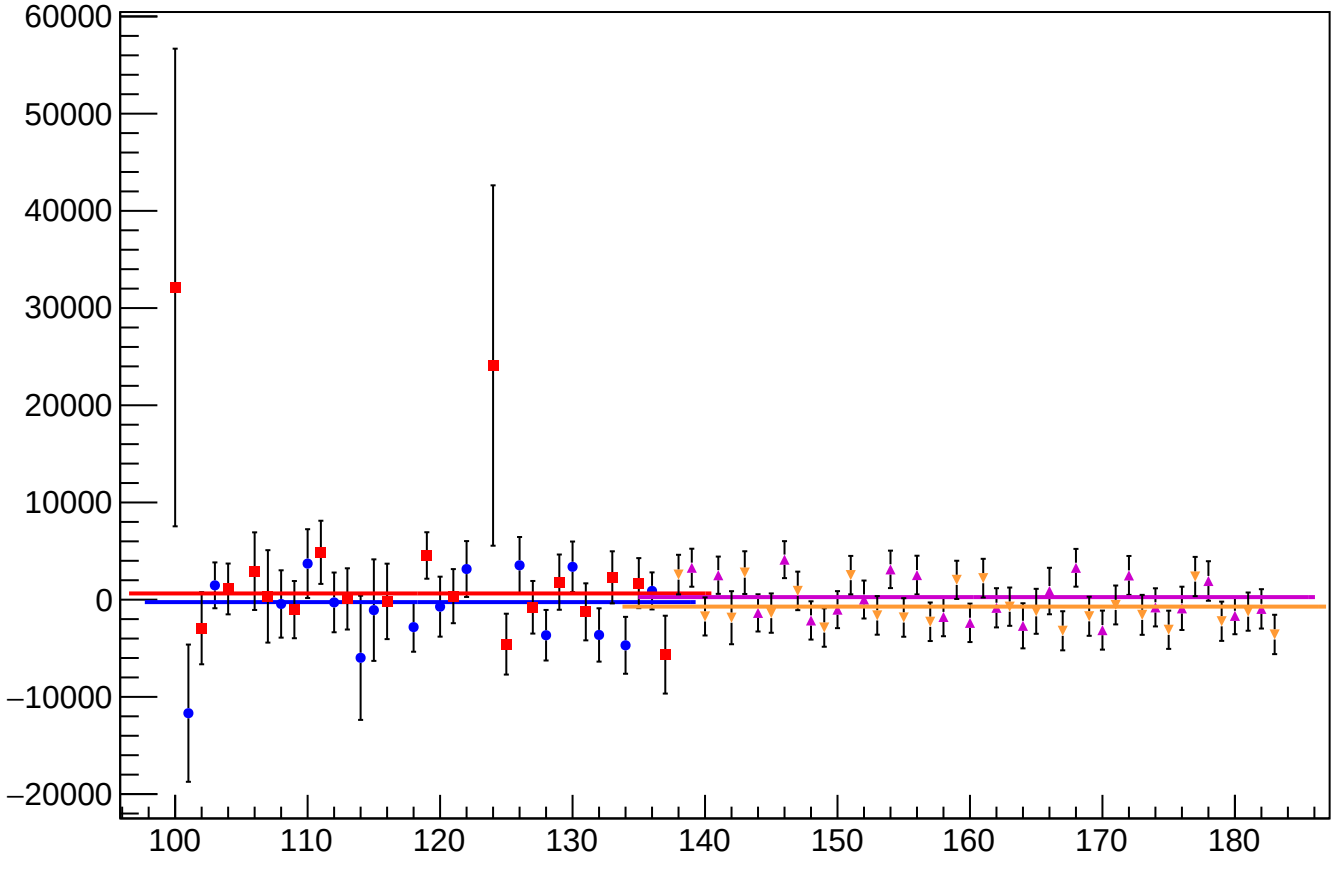
Left In: 419.339+/-0.070 χ^2/NDF:400131.0/21

+ sign 447.574+/-0.065 χ^2/NDF: 4019664.9/39

All: 445.422+/-0.046 χ^2/NDF: 8207038.9/80

- sign 443.202+/-0.066 χ^2/NDF: 4185111.9/40

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -713.451+/-415.043 χ^2/NDF:23.9/23

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

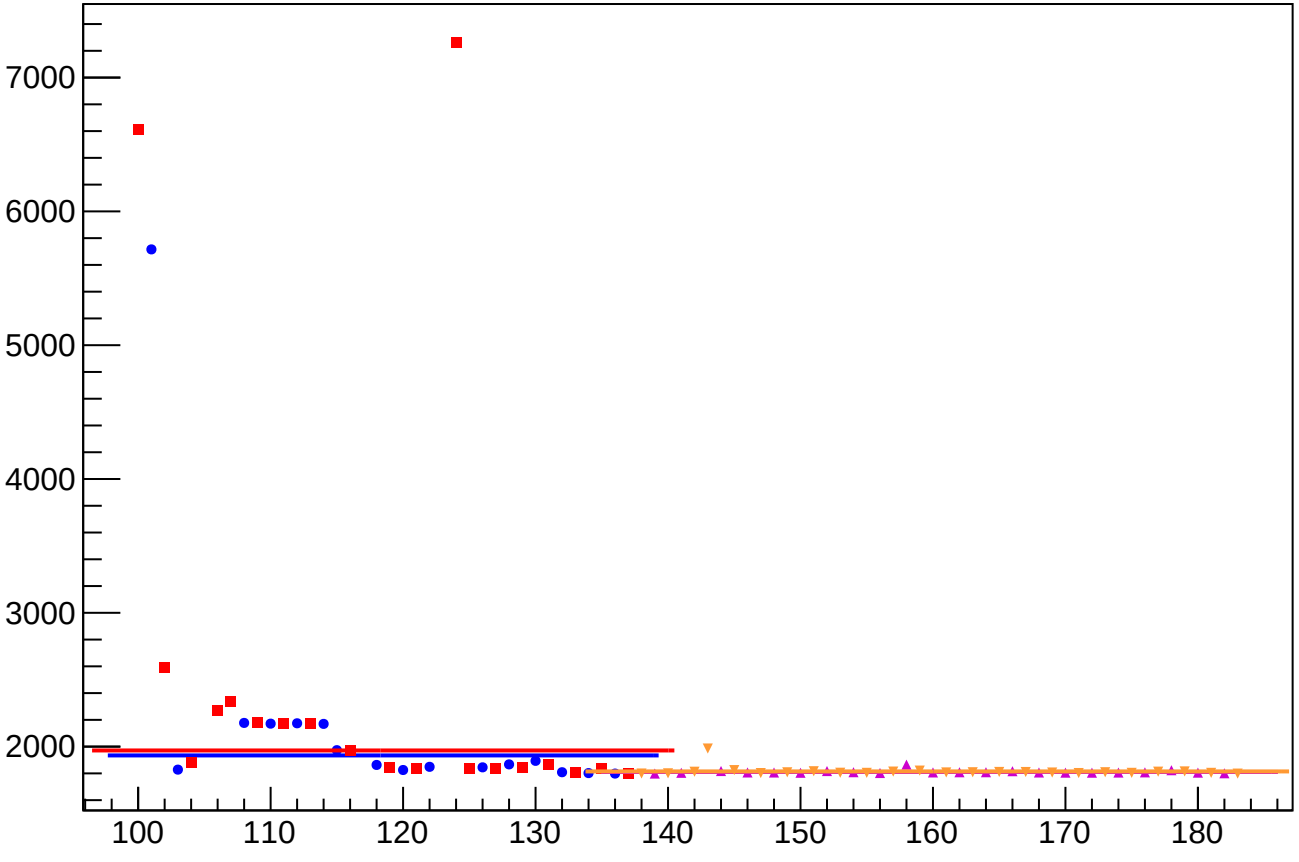
Left In: 264.595+/-426.224 χ^2/NDF:28.0/21

+ sign -601.544+/-361.417 χ^2/NDF: 41.5/39

All: -131.131+/-258.168 χ^2/NDF: 89.1/80

- sign 358.987+/-368.909 χ^2/NDF: 44.2/40

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1814.654+/-0.293 χ^2/NDF:13061.1/23

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

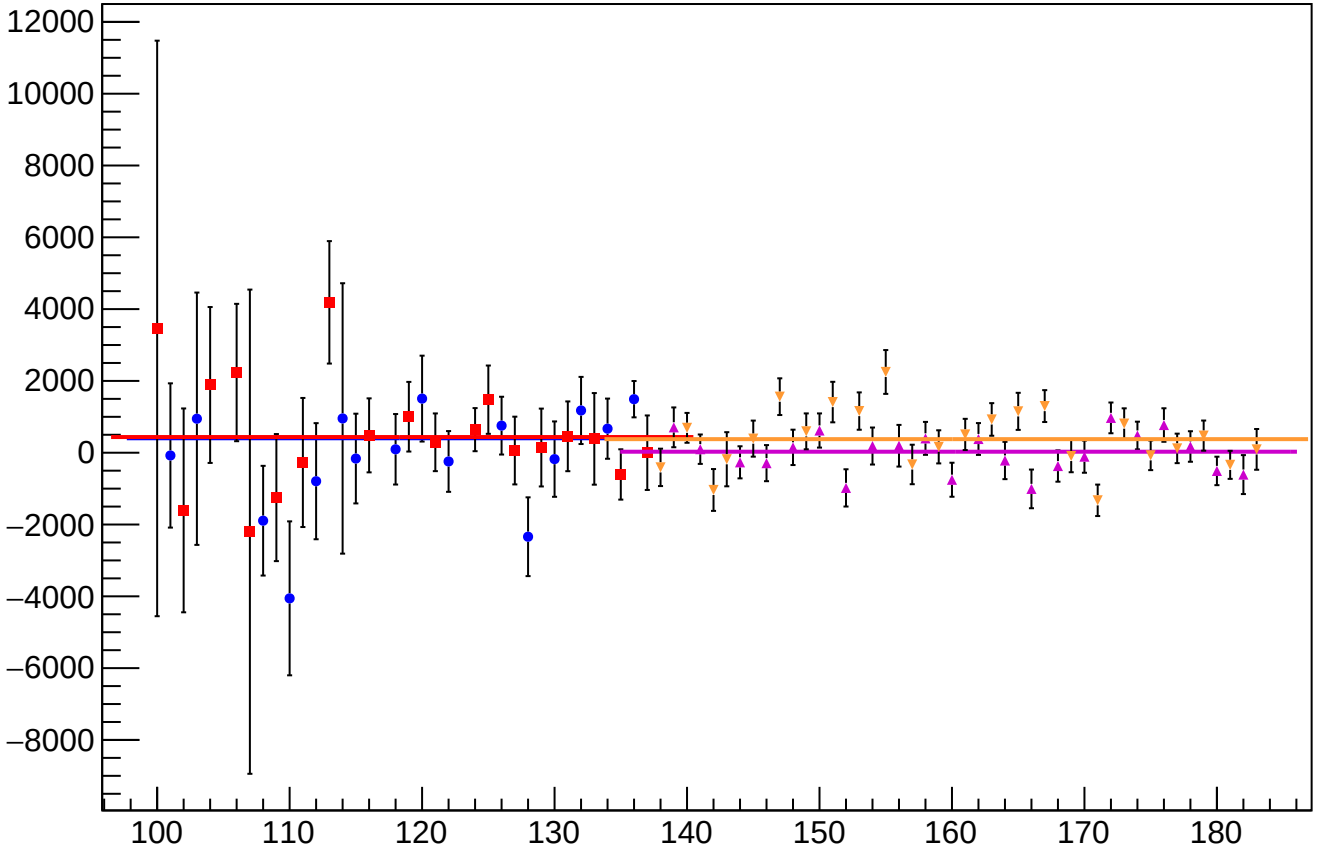
Left In: 1810.627+/-0.301 χ^2/NDF:1948.0/21

+ sign 1843.554+/-0.256 χ^2/NDF: 693099.6/39

All: 1847.175+/-0.183 χ^2/NDF: 1149982.5/80

- sign 1850.948+/-0.261 χ^2/NDF: 456473.0/40

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 378.093+/-97.499 χ^2/NDF:62.3/23

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

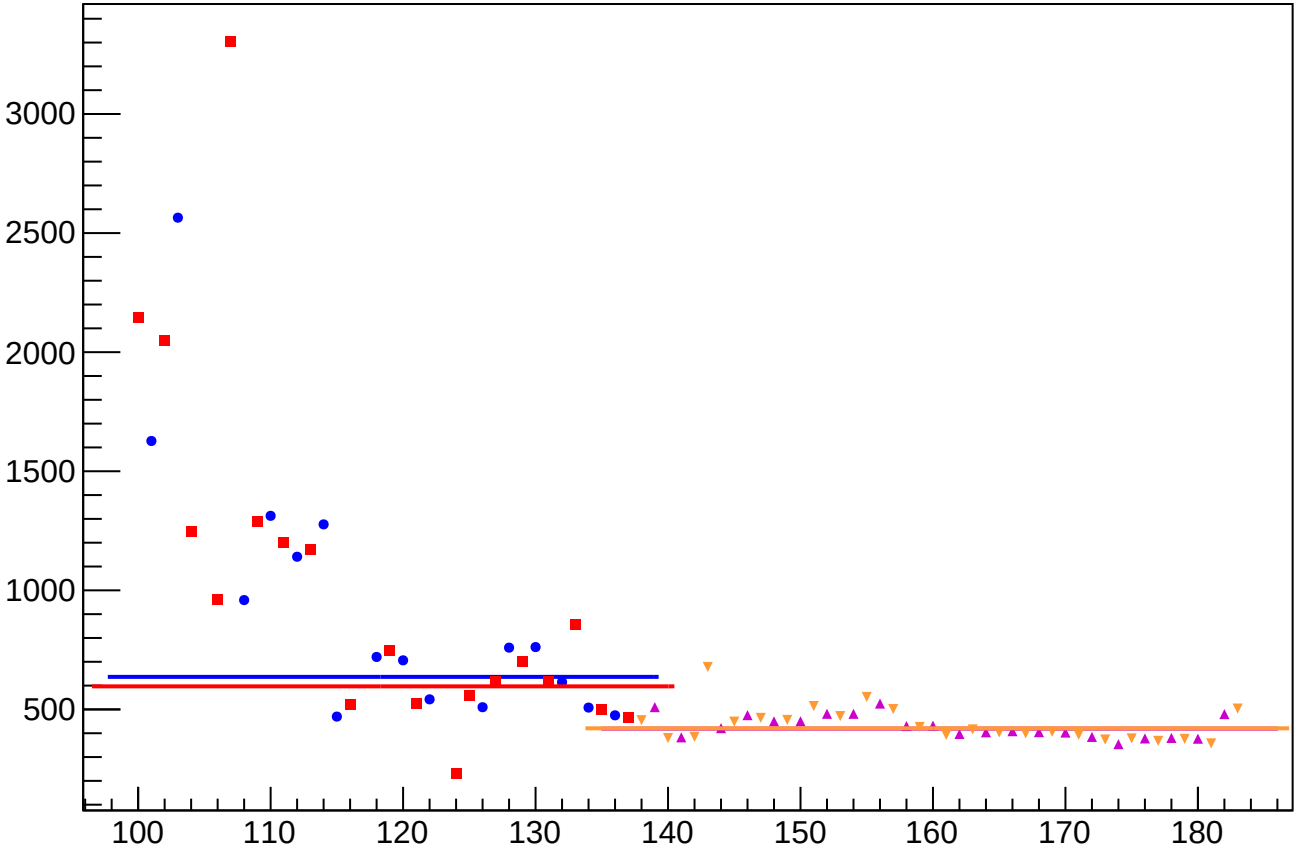
Left In: 28.026+/-99.573 χ^2/NDF:28.8/21

+ sign 381.157+/-91.229 χ^2/NDF: 83.4/39

All: 234.346+/-65.001 χ^2/NDF: 132.2/80

- sign 82.960+/-92.639 χ^2/NDF: 43.5/40

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 420.683+/-0.069 χ^2/NDF:731491.8/23

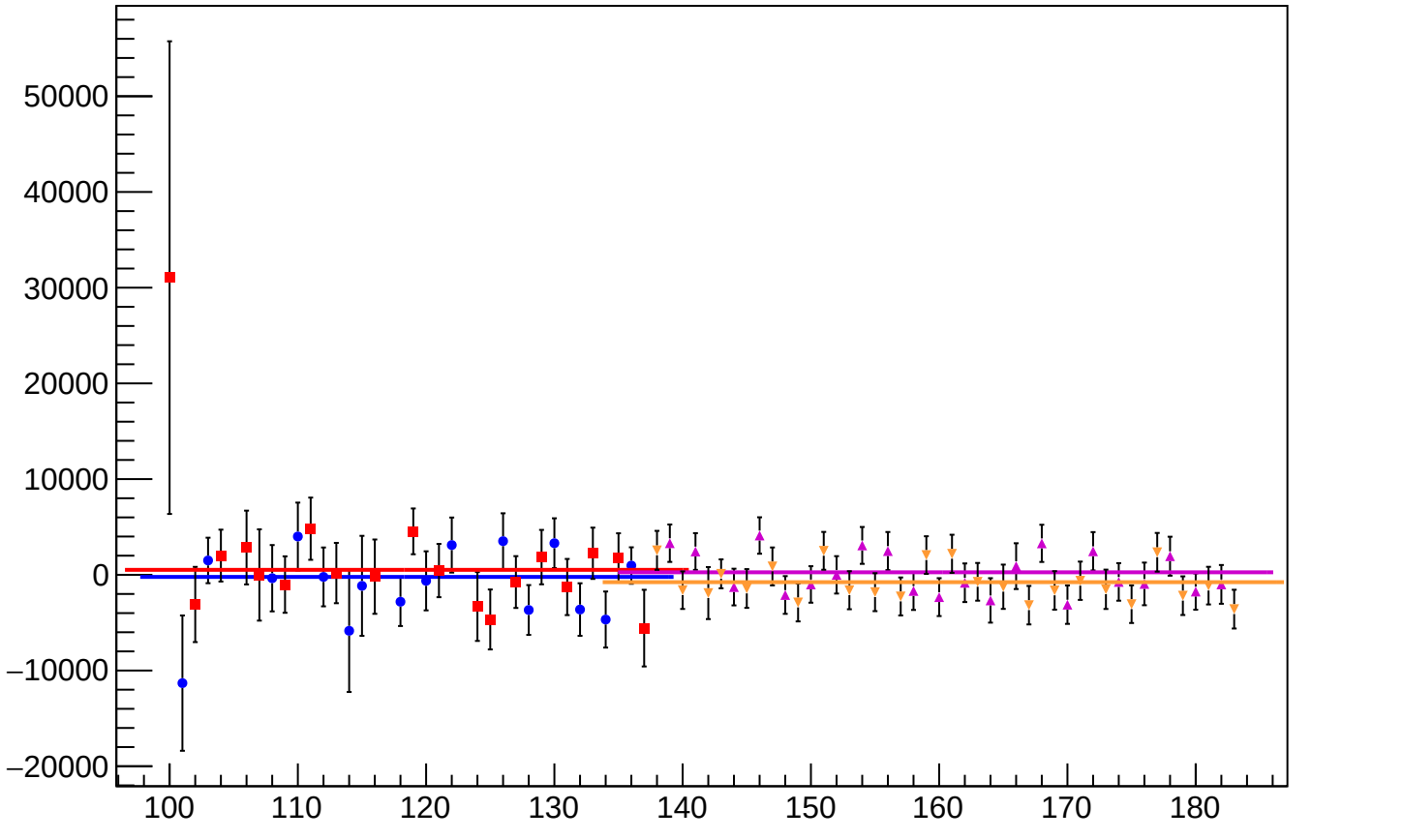
Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 419.339+/-0.070 χ^2/NDF:400131.0/21

+ sign 447.574+/-0.065 χ^2/NDF: 4019664.9/39

All: 445.422+/-0.046 χ^2/NDF: 8207038.9/80

- sign 443.202+/-0.066 χ^2/NDF: 4185111.9/40



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -767.728+/-407.093 χ^2/NDF:21.4/23

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

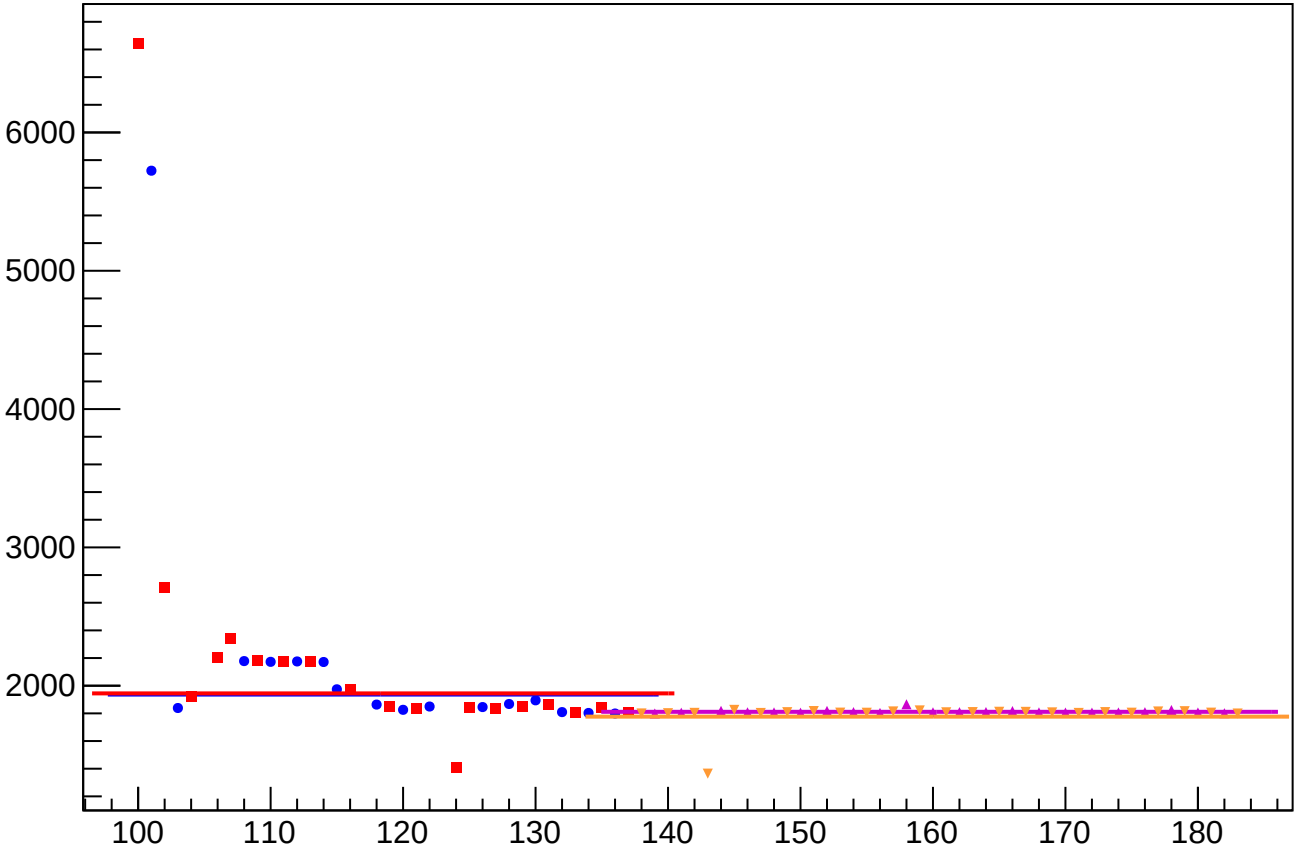
Left In: 263.171+/-426.372 χ^2/NDF:27.6/21

+ sign -639.476+/-356.219 χ^2/NDF: 38.9/39

All: -170.244+/-255.788 χ^2/NDF: 85.7/80

- sign 329.242+/-367.524 χ^2/NDF: 43.3/40

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1776.419+/-0.288 χ^2/NDF:161210.5/23

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

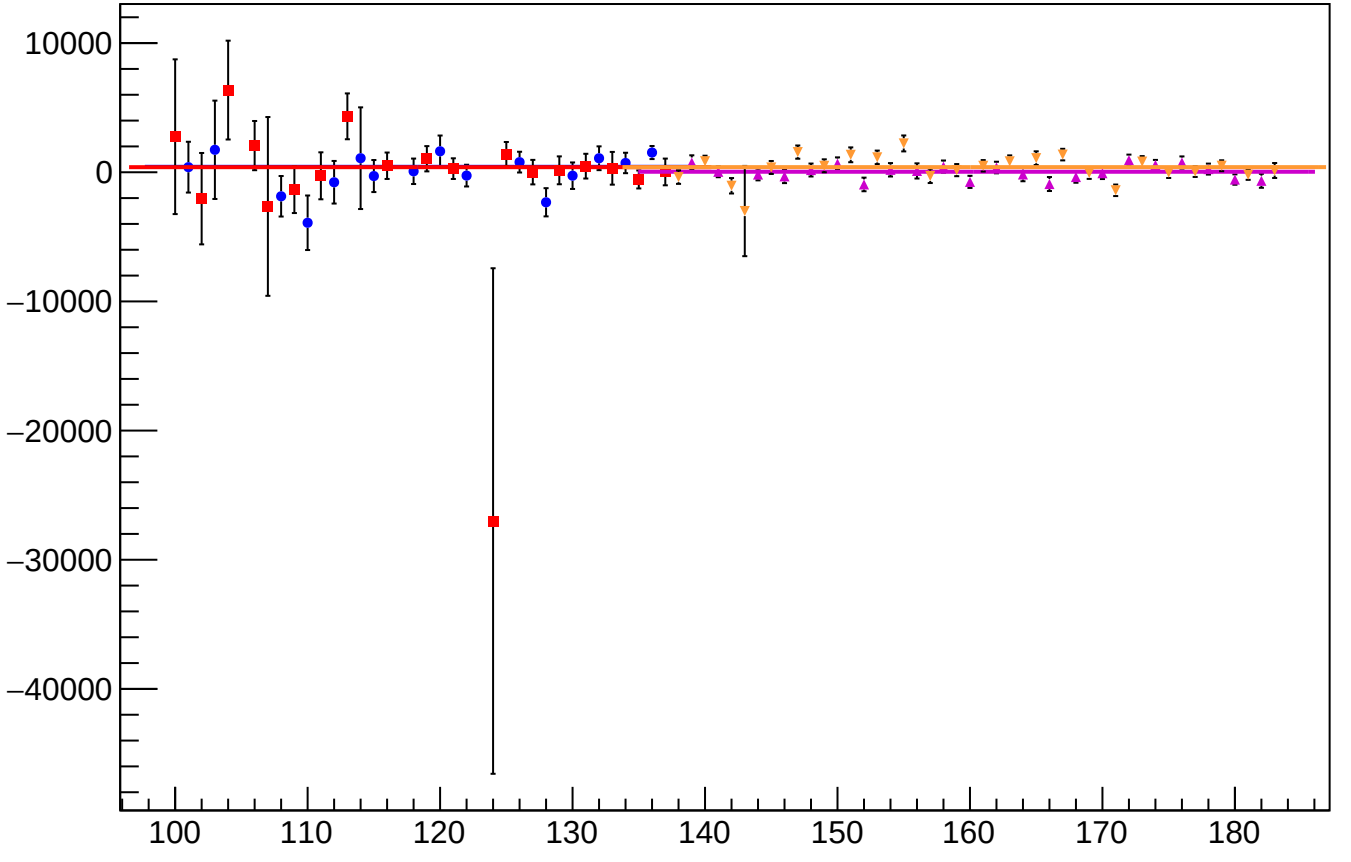
Left In: 1811.256+/-0.301 χ^2/NDF:1945.3/21

+ sign 1813.806+/-0.252 χ^2/NDF: 873009.4/39

All: 1829.157+/-0.181 χ^2/NDF: 1209038.1/80

- sign 1845.497+/-0.260 χ^2/NDF: 328360.9/40

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 396.461+/-99.629 χ^2/NDF:60.5/23

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

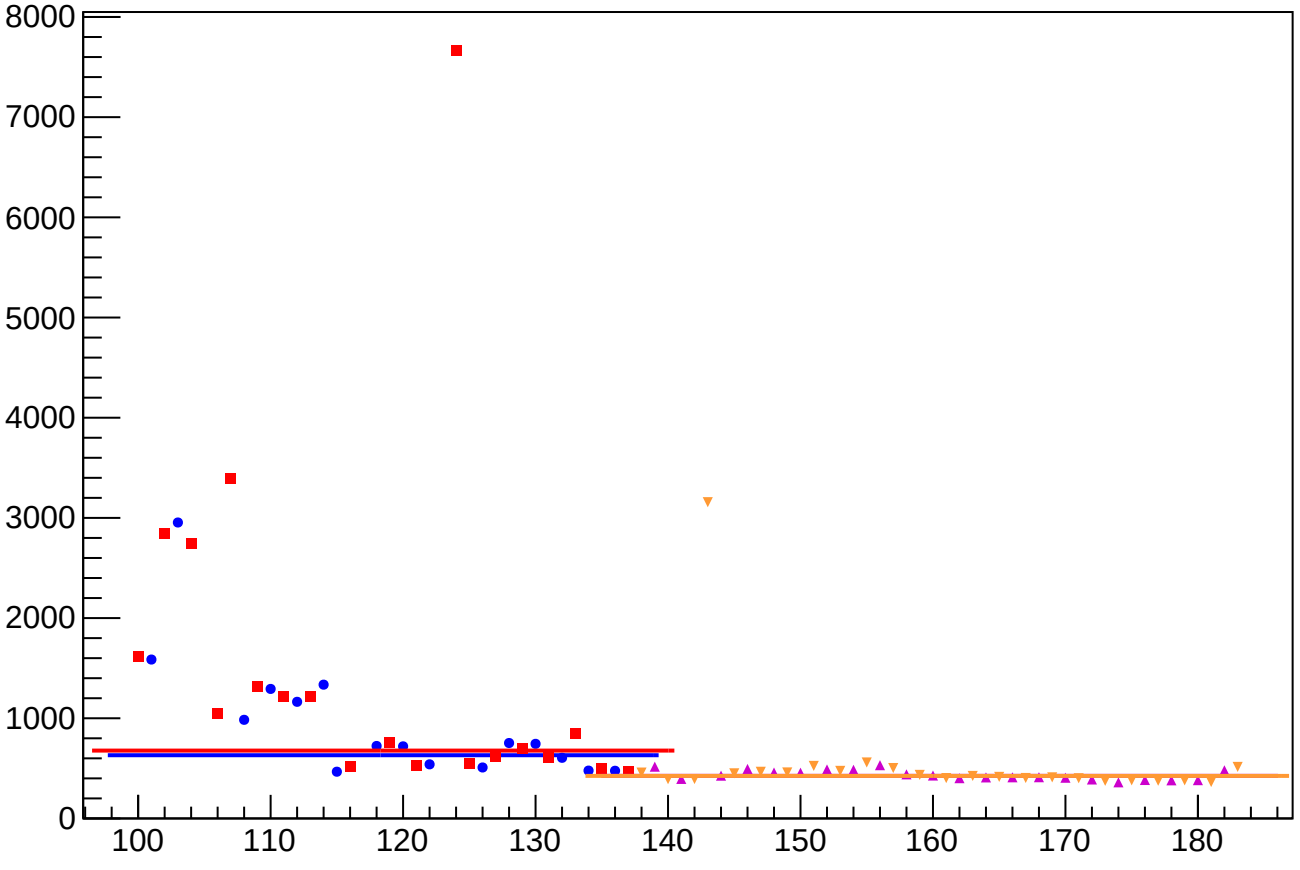
Left In: 38.895+/-100.868 χ^2/NDF:28.3/21

+ sign 399.691+/-92.881 χ^2/NDF: 82.0/39

All: 243.129+/-66.373 χ^2/NDF: 133.4/80

- sign 79.752+/-94.881 χ^2/NDF: 45.6/40

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 424.785+/-0.070 χ^2/NDF:1700127.1/23

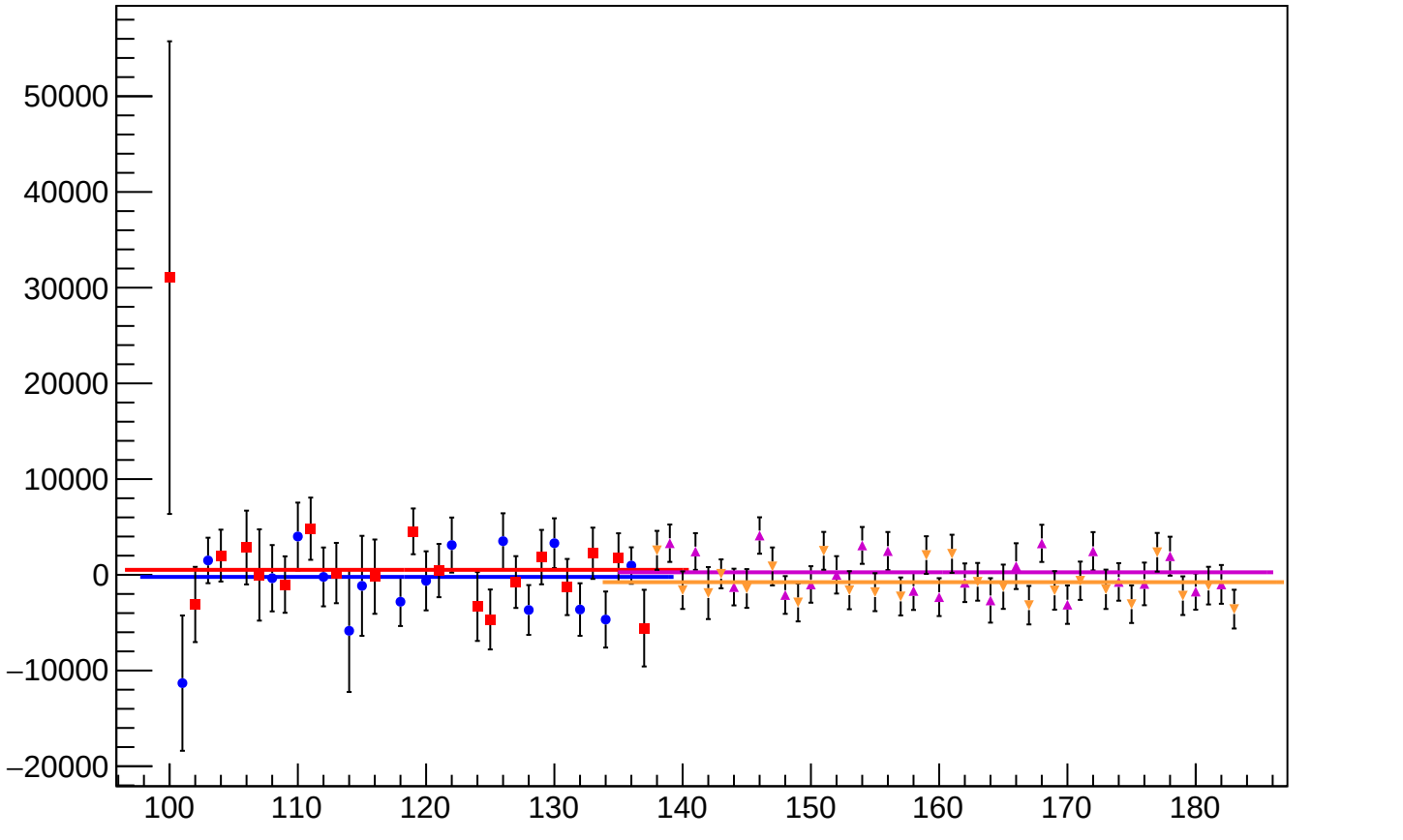
Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 425.250+/-0.071 χ^2/NDF:402251.3/21

+ sign 451.790+/-0.066 χ^2/NDF: 5057467.9/39

All: 453.018+/-0.047 χ^2/NDF: 9982032.3/80

- sign 454.299+/-0.067 χ^2/NDF: 4923850.5/40



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -767.729+/-407.093 χ^2/NDF:21.4/23

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

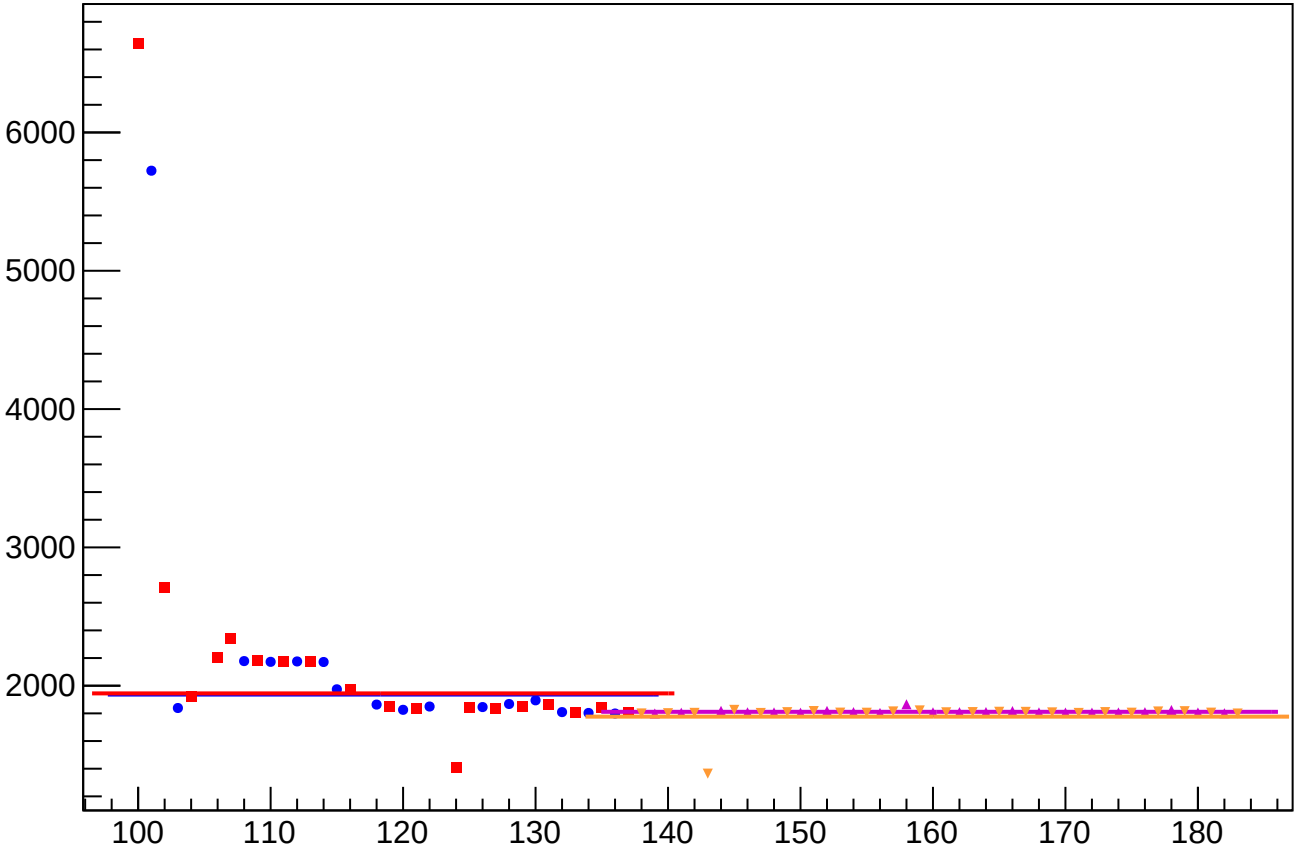
Left In: 263.171+/-426.372 χ^2/NDF:27.6/21

+ sign -639.476+/-356.219 χ^2/NDF: 38.9/39

All: -170.244+/-255.788 χ^2/NDF: 85.7/80

- sign 329.242+/-367.524 χ^2/NDF: 43.3/40

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1776.419+/-0.288 χ^2/NDF:161210.5/23

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

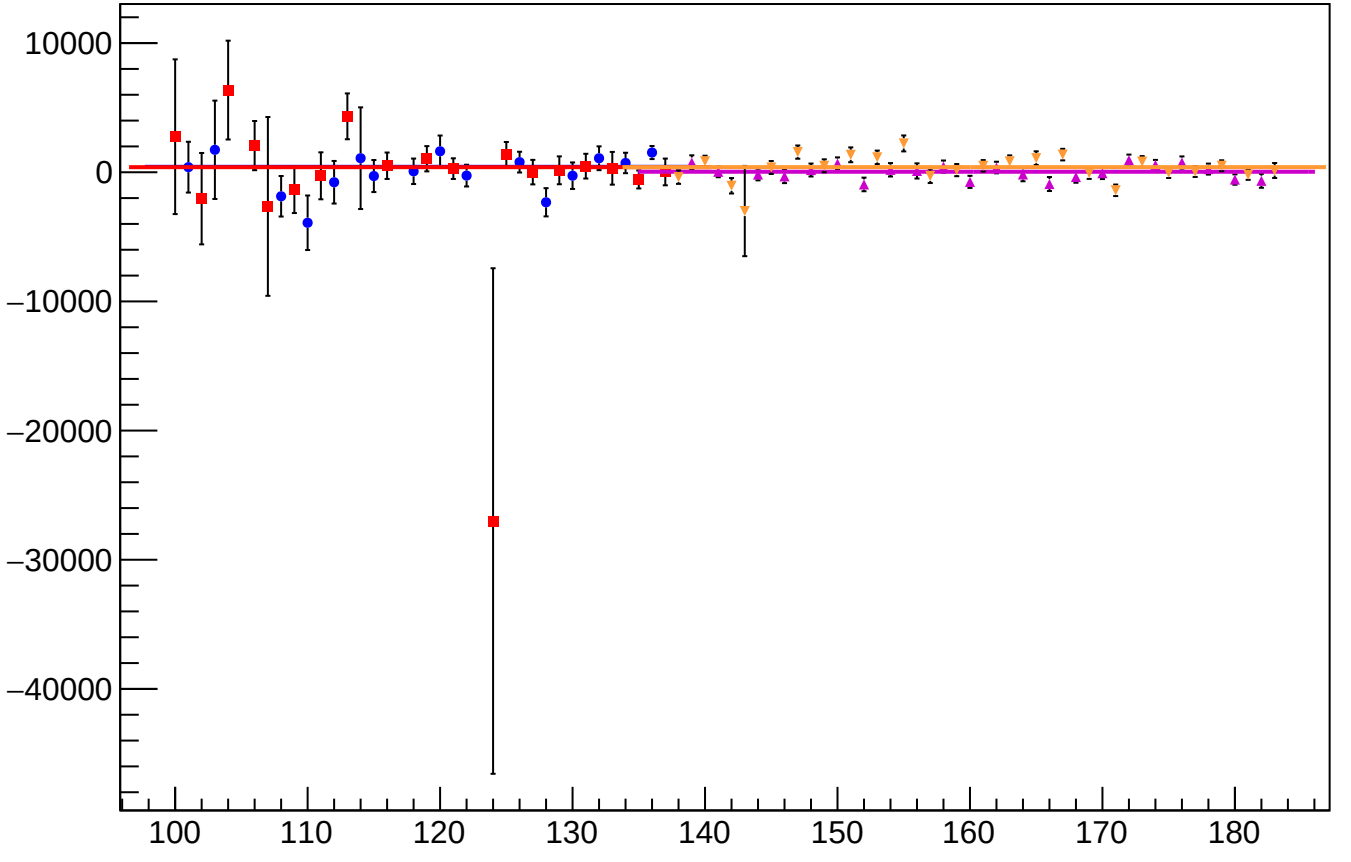
Left In: 1811.256+/-0.301 χ^2/NDF:1945.3/21

+ sign 1813.806+/-0.252 χ^2/NDF: 873009.4/39

All: 1829.157+/-0.181 χ^2/NDF: 1209037.8/80

- sign 1845.497+/-0.260 χ^2/NDF: 328360.7/40

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 396.461+/-99.629 χ^2/NDF:60.5/23

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

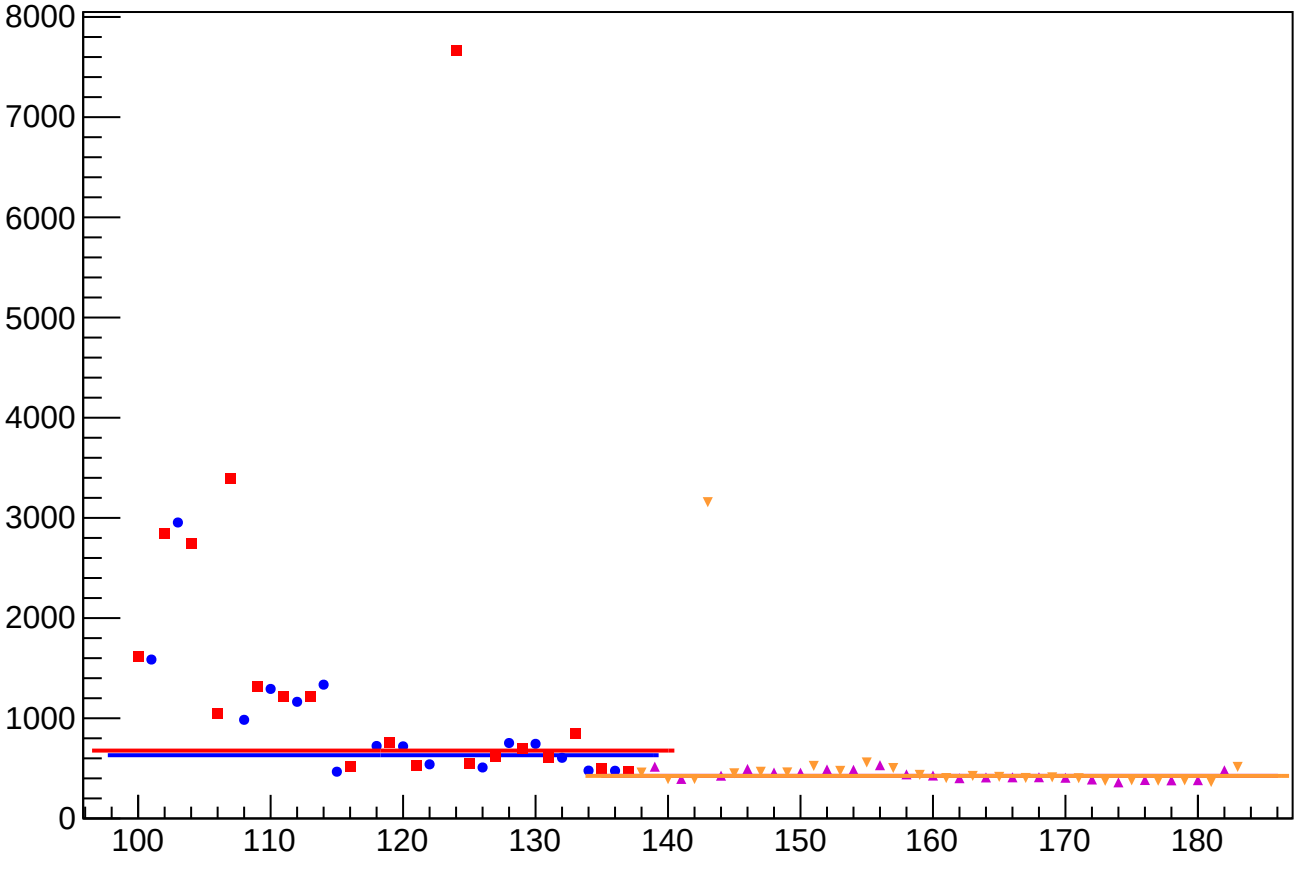
Left In: 38.895+/-100.868 χ^2/NDF:28.3/21

+ sign 399.691+/-92.881 χ^2/NDF: 82.0/39

All: 243.128+/-66.373 χ^2/NDF: 133.4/80

- sign 79.751+/-94.881 χ^2/NDF: 45.6/40

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 424.785+/-0.070 χ^2/NDF:1700129.7/23

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

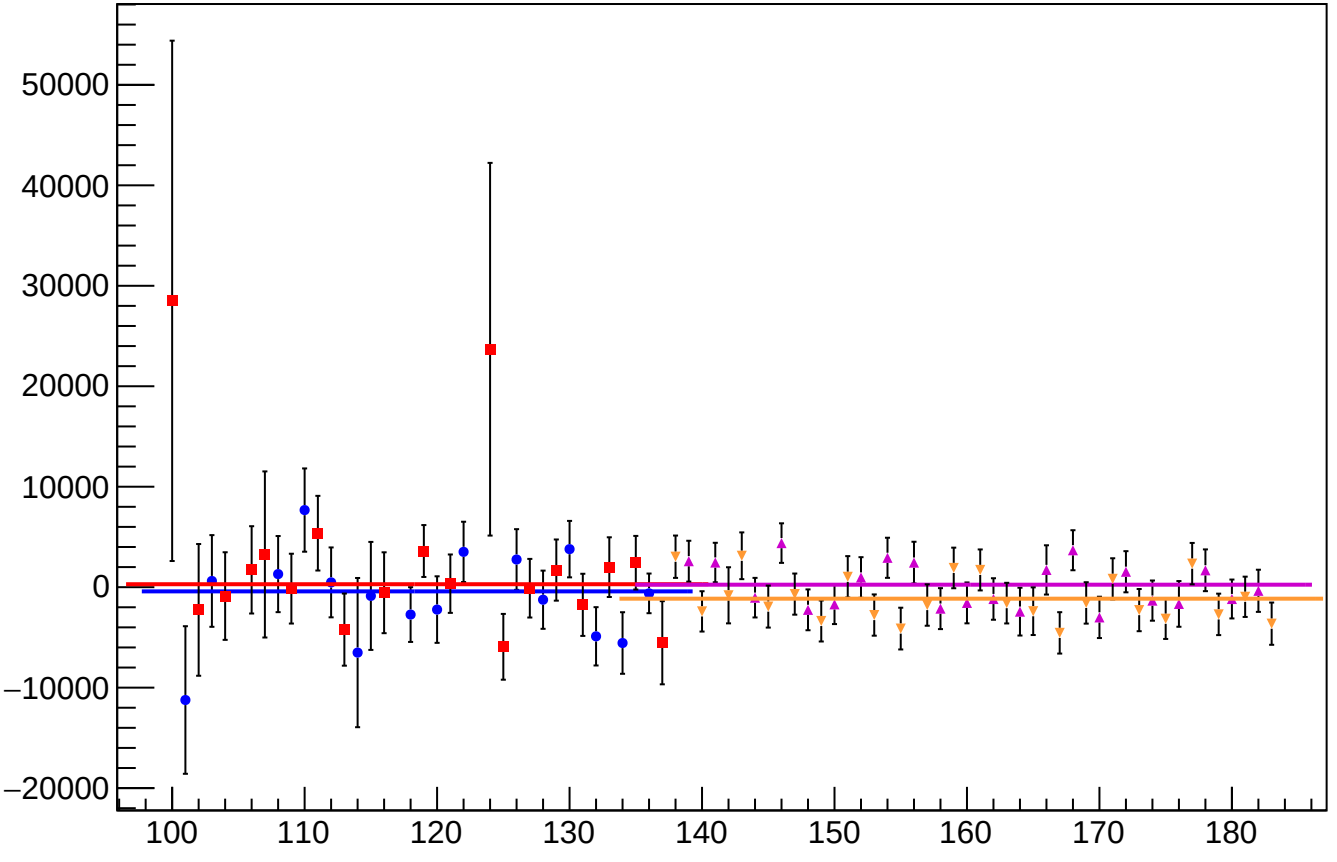
Left In: 425.250+/-0.071 χ^2/NDF:402254.7/21

+ sign 451.790+/-0.066 χ^2/NDF: 5057470.9/39

All: 453.018+/-0.047 χ^2/NDF: 9982039.8/80

- sign 454.299+/-0.067 χ^2/NDF: 4923855.1/40

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1144.804+/-427.528 χ^2/NDF:27.4/23

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

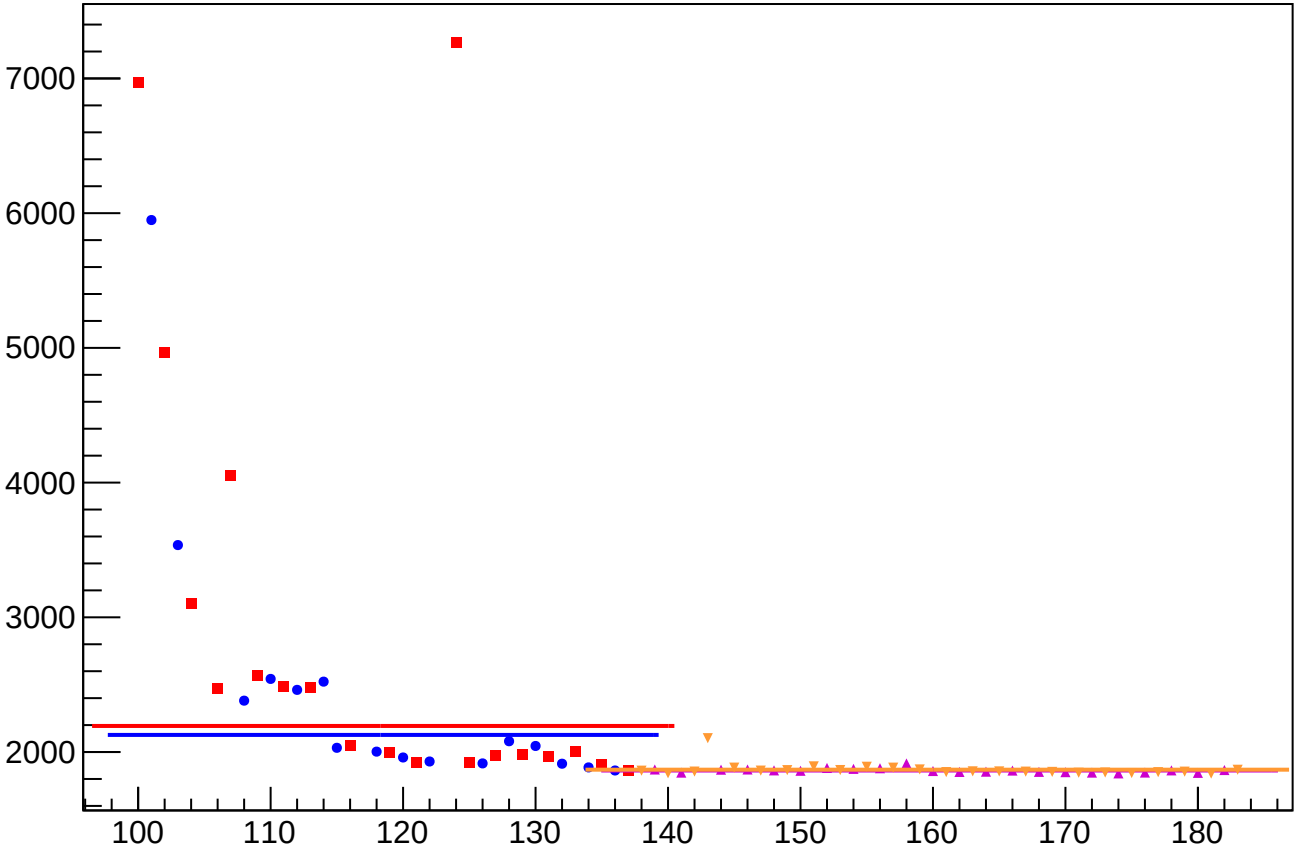
Left In: 246.960+/-438.502 χ^2/NDF:25.6/21

+ sign -988.001+/-378.636 χ^2/NDF: 46.4/39

All: -380.367+/-270.946 χ^2/NDF: 92.8/80

- sign 257.308+/-387.882 χ^2/NDF: 41.2/40

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1868.972+/-0.302 χ^2/NDF:23313.9/23

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

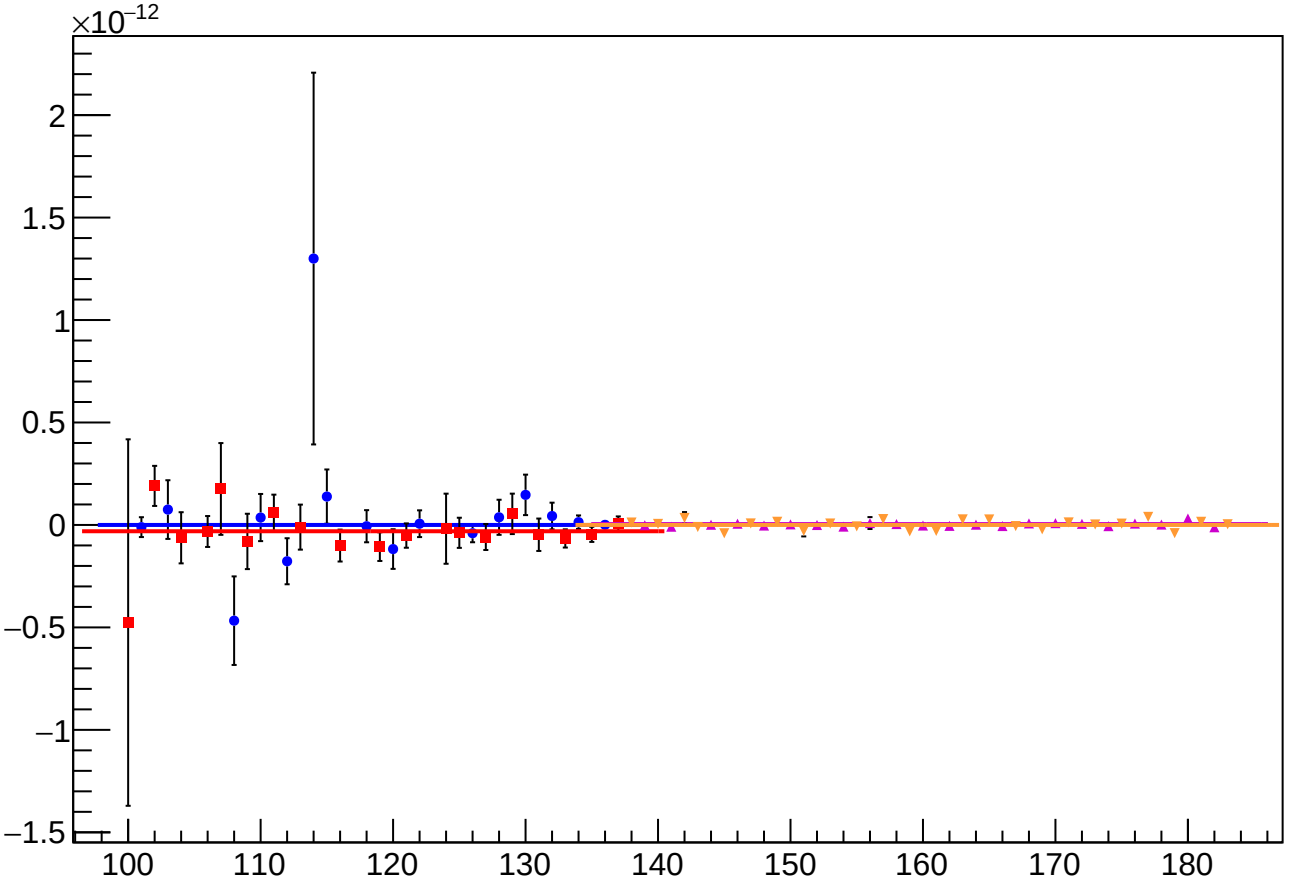
Left In: 1862.752+/-0.310 χ^2/NDF:2710.8/21

+ sign 1924.623+/-0.268 χ^2/NDF: 1055539.8/39

All: 1929.550+/-0.192 χ^2/NDF: 2249153.5/80

- sign 1934.720+/-0.274 χ^2/NDF: 1192919.7/40

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

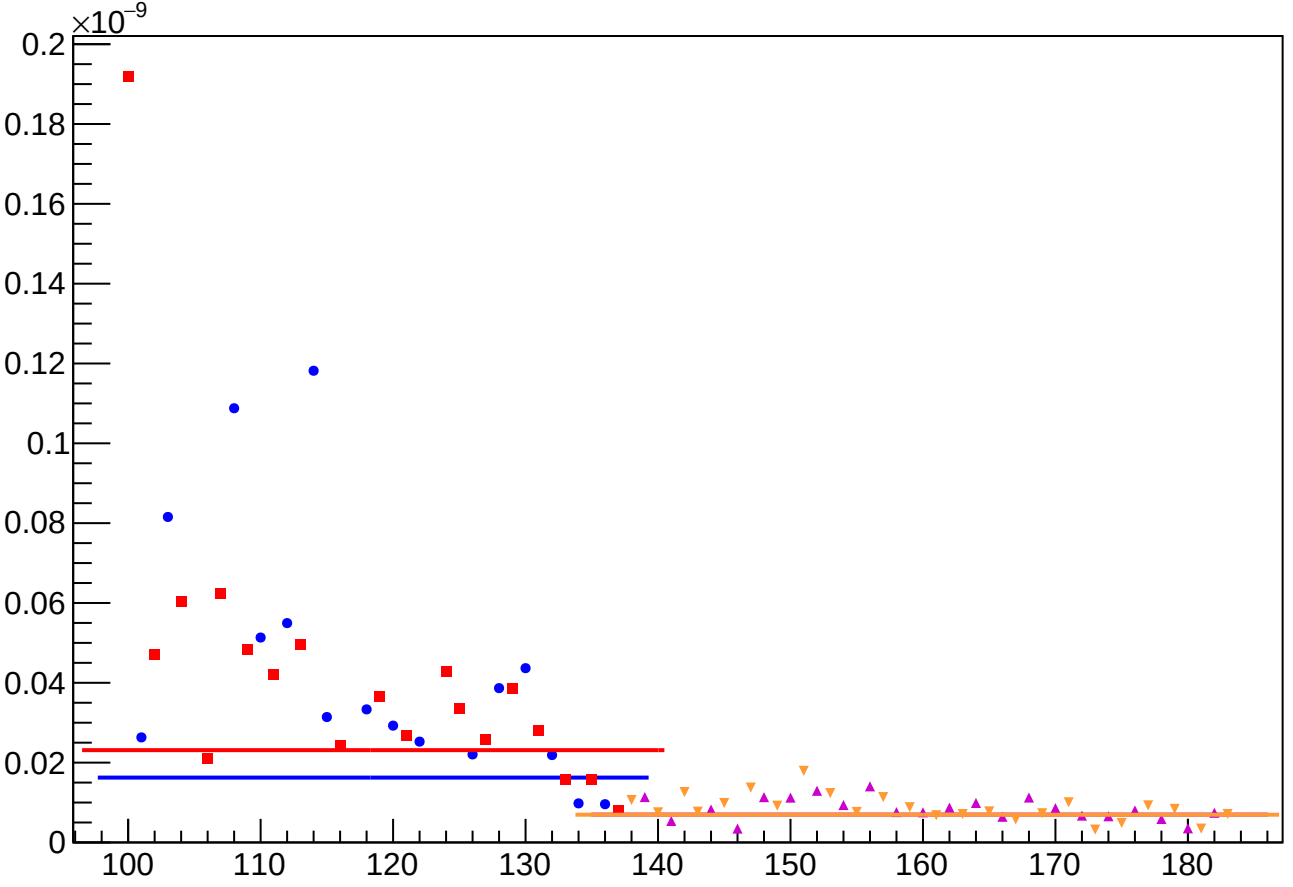
Left In: 0.000+/-0.000 χ^2/NDF:15.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/39

All: 0.000+/-0.000 χ^2/NDF: 90.2/80

- sign 0.000+/-0.000 χ^2/NDF: 32.6/40

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1806593.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

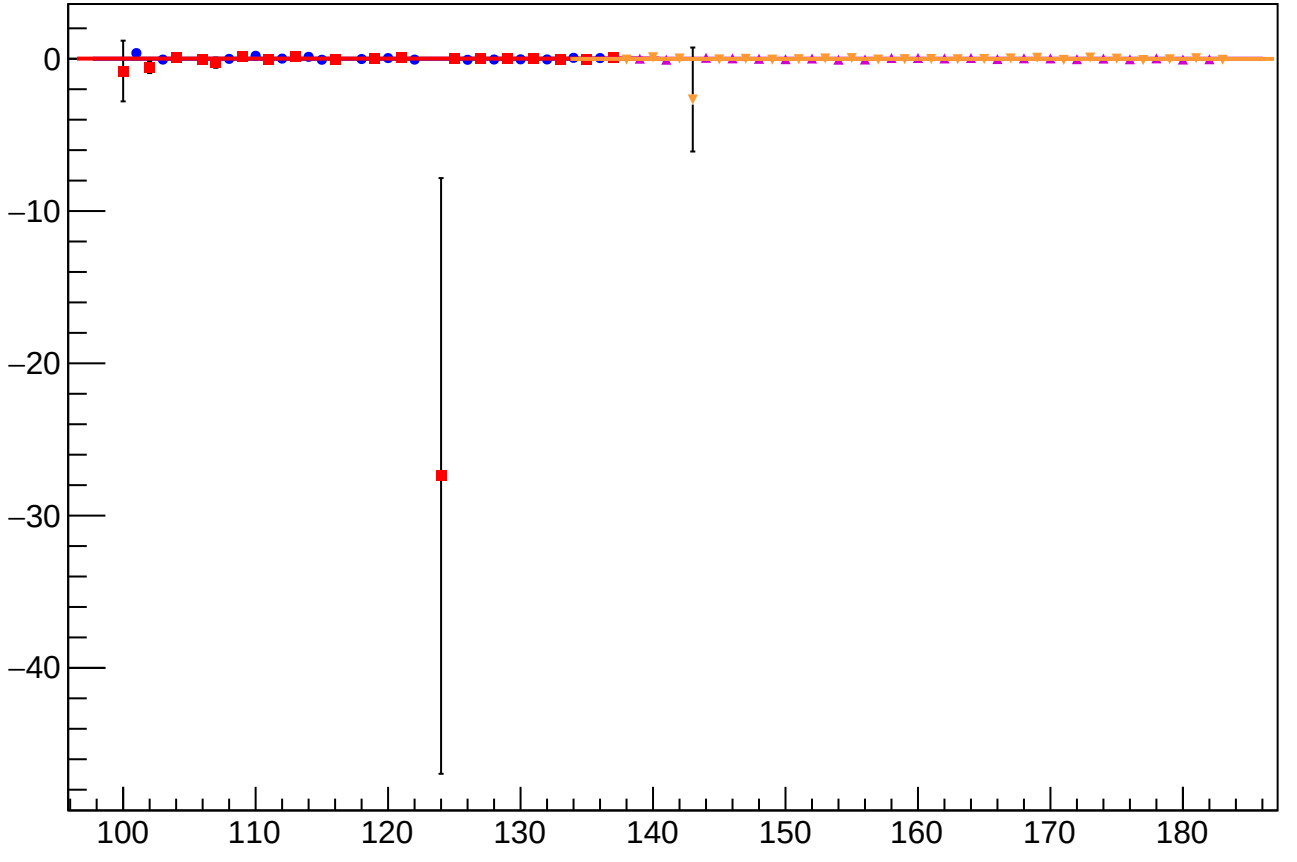
Left In: 0.000+/-0.000 χ^2/NDF:1447216.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 5251358.4/39

All: 0.000+/-0.000 χ^2/NDF: 10140635.1/80

- sign 0.000+/-0.000 χ^2/NDF: 4888490.6/40

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.0/23

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

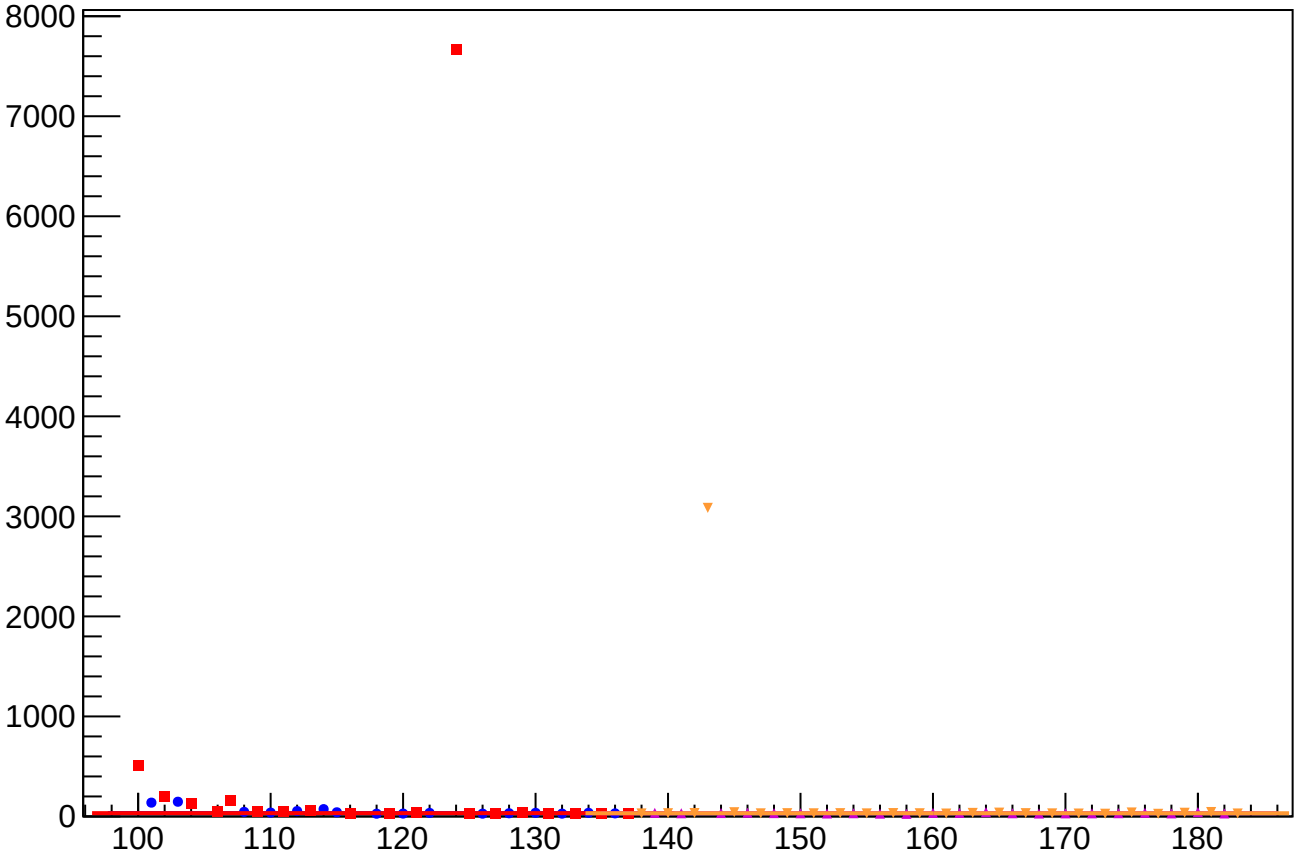
Left In: 0.003+/-0.008 χ^2/NDF:20.8/21

+ sign -0.007+/-0.007 χ^2/NDF: 60.5/39

All: -0.001+/-0.005 χ^2/NDF: 97.3/80

- sign 0.005+/-0.007 χ^2/NDF: 35.3/40

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.158+/-0.006 χ^2/NDF:2056292.9/23

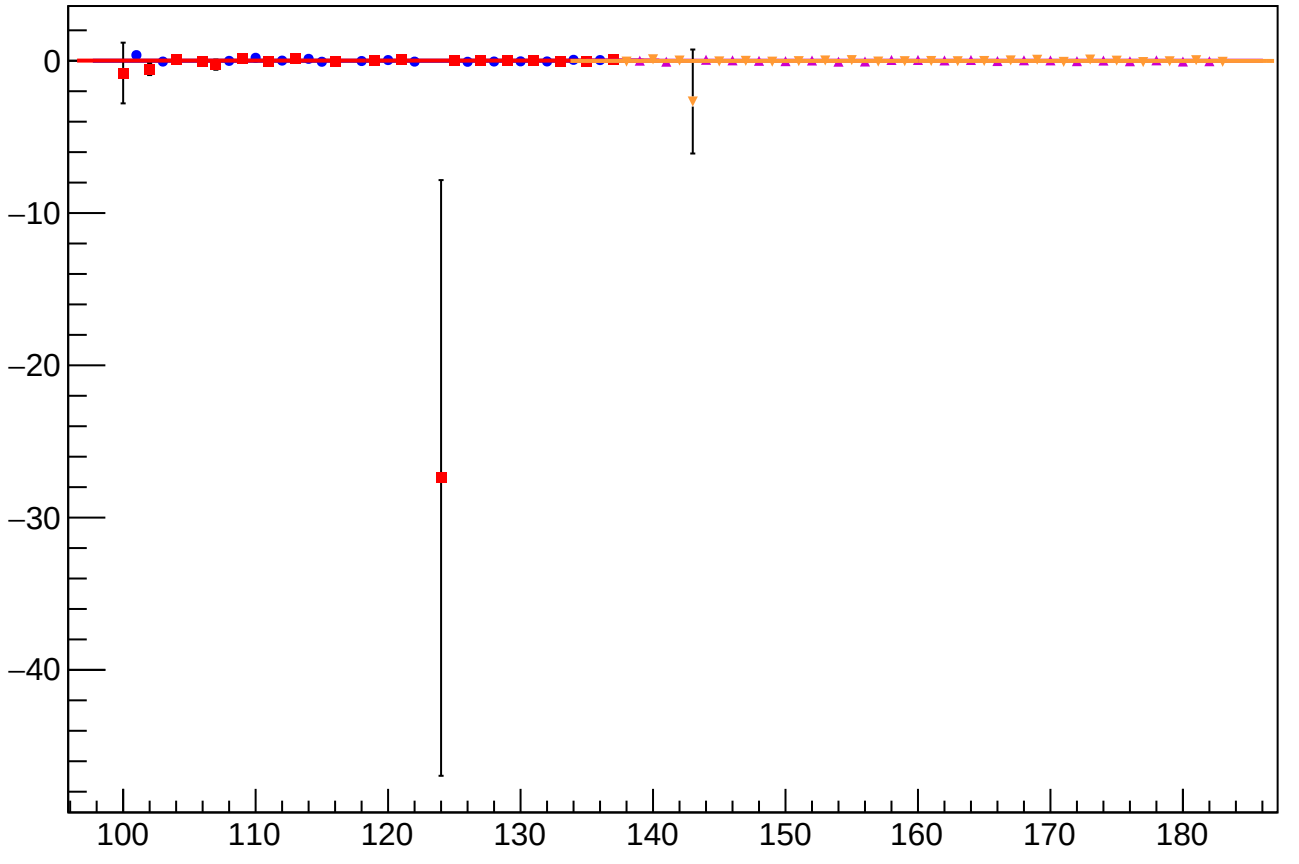
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.576+/-0.006 χ^2/NDF:398100.8/21

+ sign 32.611+/-0.005 χ^2/NDF: 3798738.0/39

All: 32.654+/-0.004 χ^2/NDF: 6273877.4/80

- sign 32.699+/-0.005 χ^2/NDF: 2474991.5/40



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.0/23

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

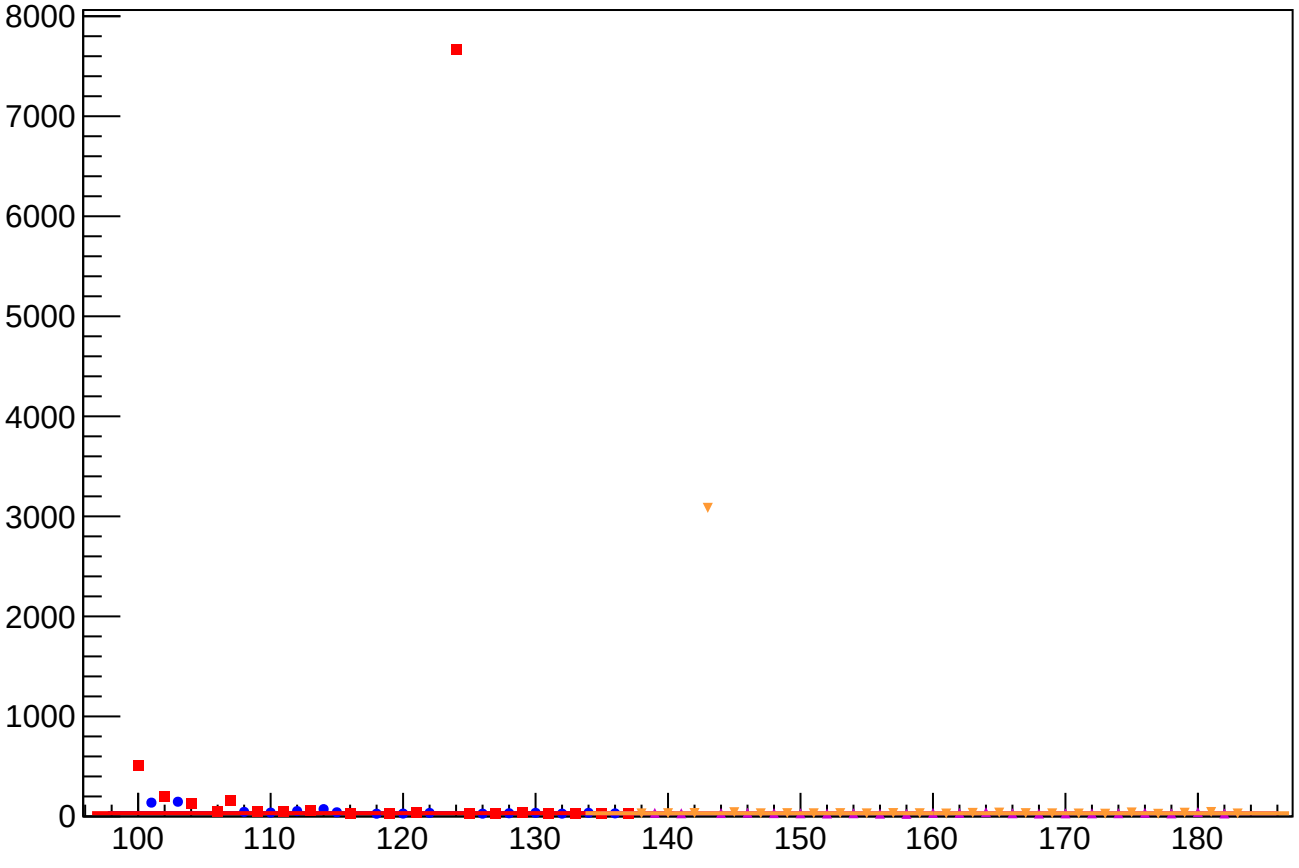
Left In: 0.003+/-0.008 χ^2/NDF:20.8/21

+ sign -0.007+/-0.007 χ^2/NDF: 60.5/39

All: -0.001+/-0.005 χ^2/NDF: 97.3/80

- sign 0.005+/-0.007 χ^2/NDF: 35.3/40

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.158+/-0.006 χ^2/NDF:2056292.9/23

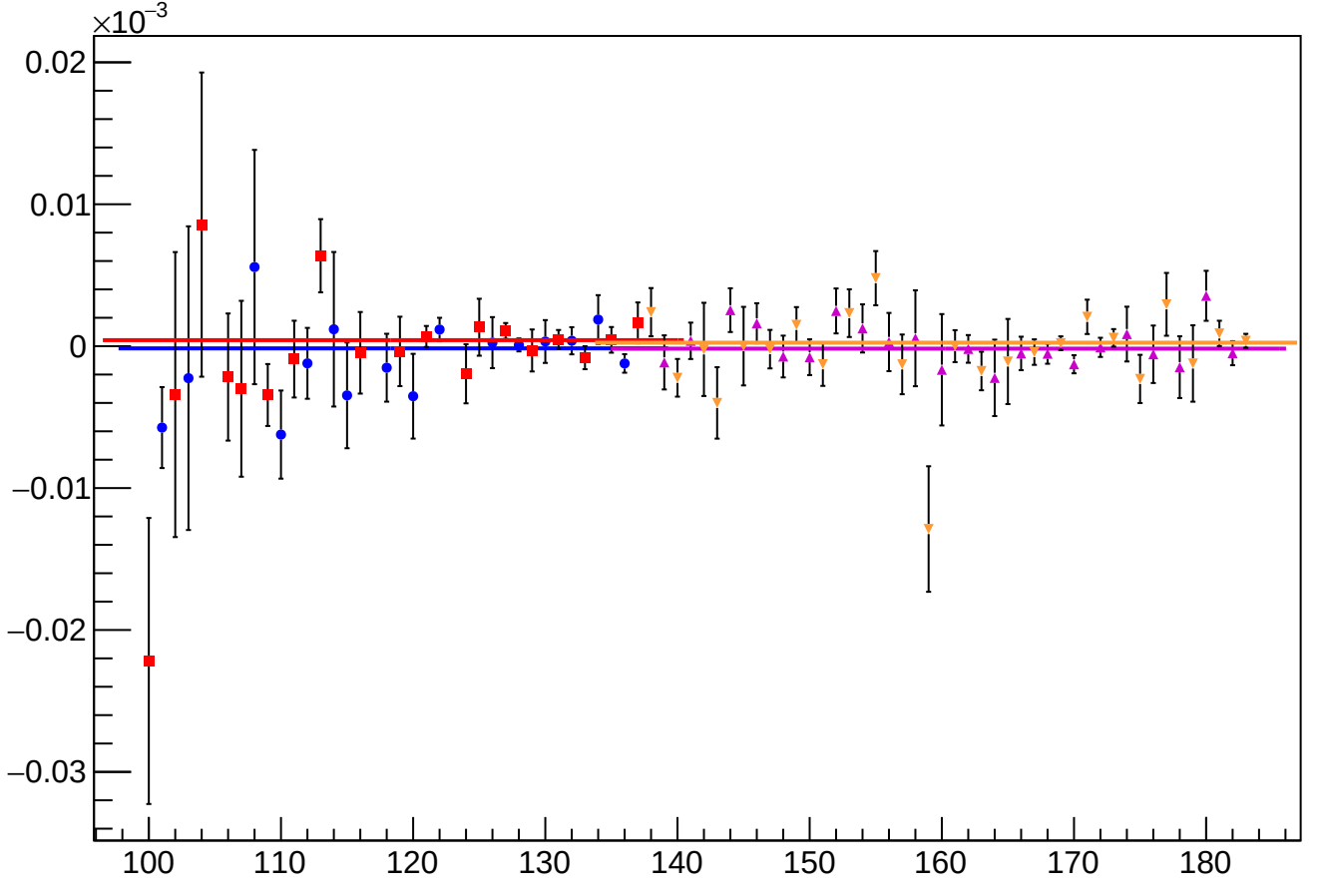
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.576+/-0.006 χ^2/NDF:398100.8/21

+ sign 32.611+/-0.005 χ^2/NDF: 3798738.0/39

All: 32.654+/-0.004 χ^2/NDF: 6273877.4/80

- sign 32.699+/-0.005 χ^2/NDF: 2474991.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

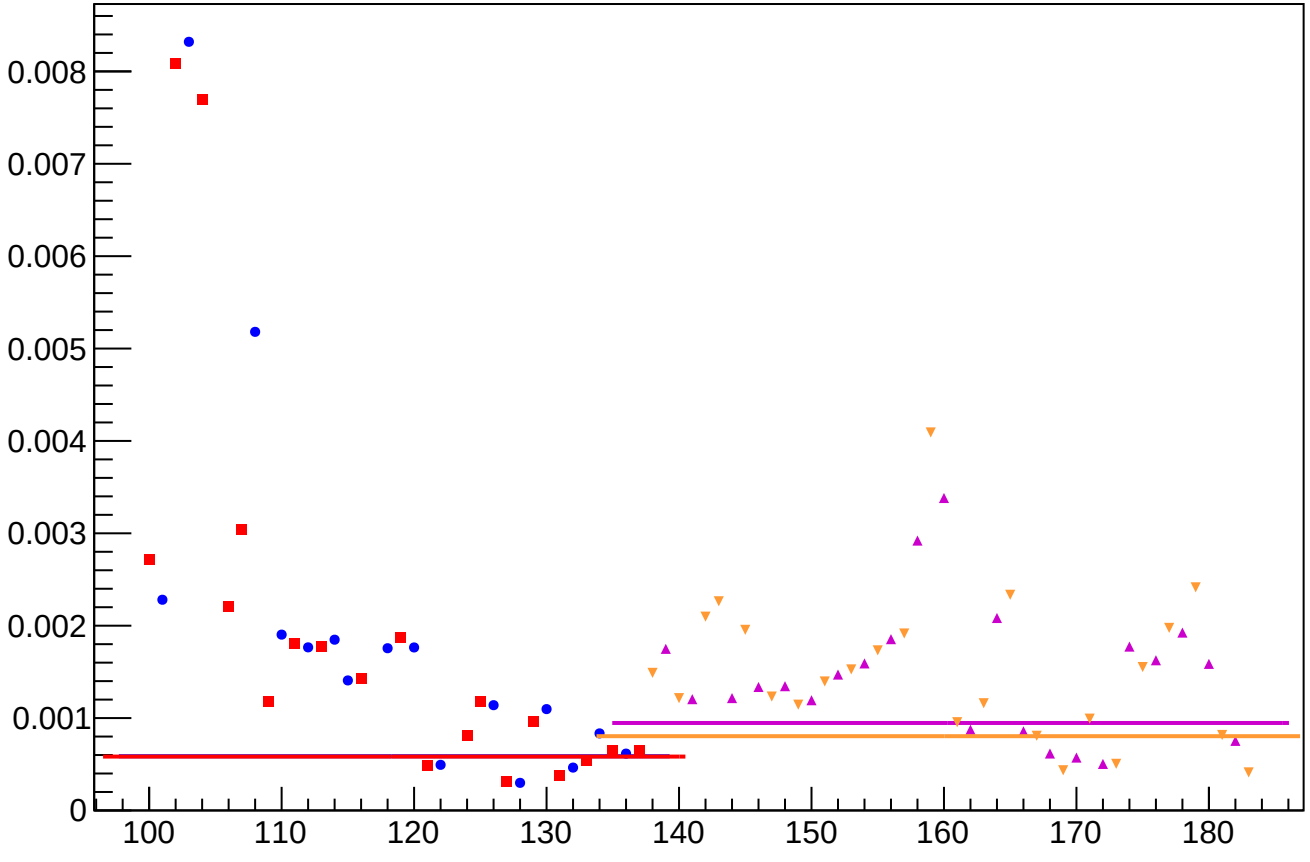
Left In: -0.000+/-0.000 χ^2/NDF:18.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 56.1/39

All: 0.000+/-0.000 χ^2/NDF: 98.6/80

- sign 0.000+/-0.000 χ^2/NDF: 42.5/40

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:10301735.4/23

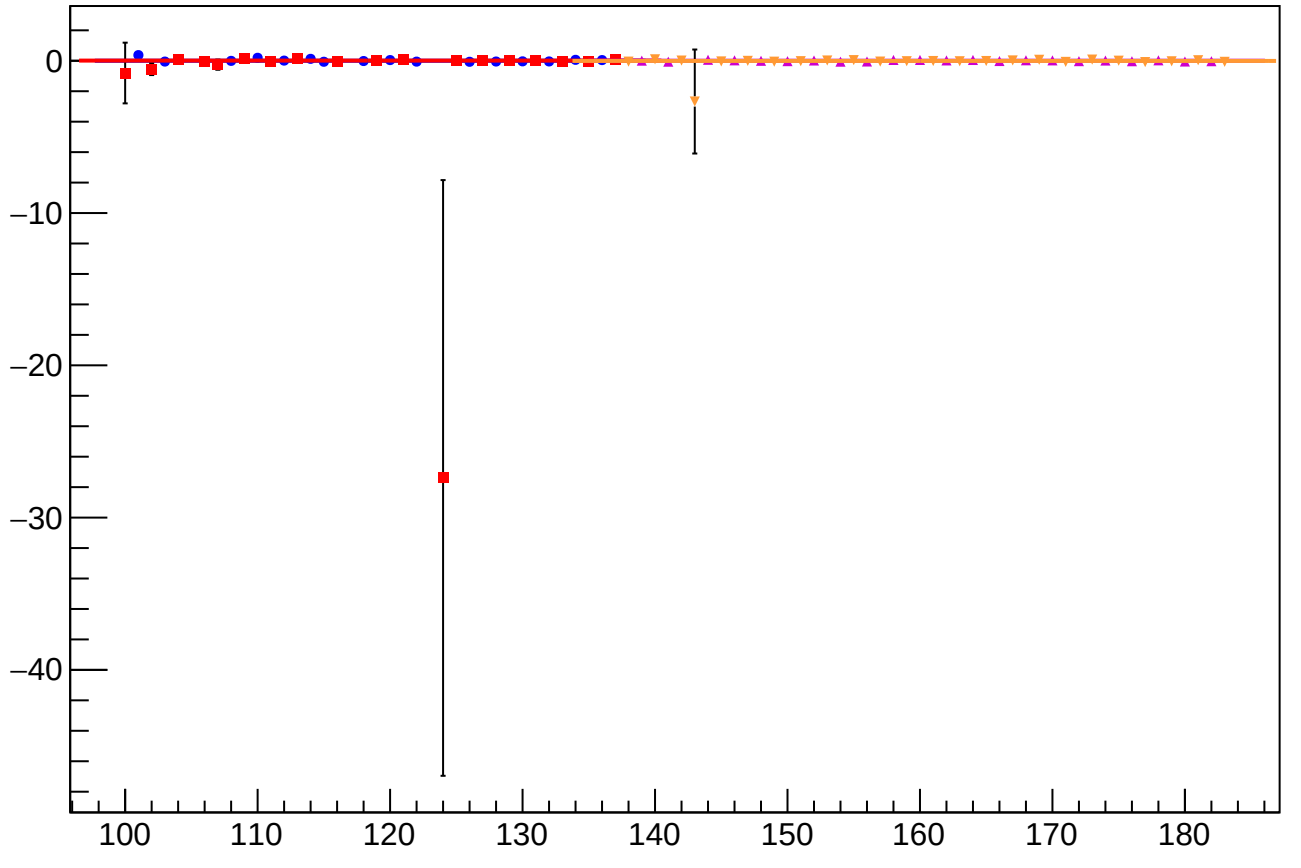
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:6952277.4/21

+ sign 0.001+/-0.000 χ^2/NDF: 16481411.0/39

All: 0.001+/-0.000 χ^2/NDF: 30757873.7/80

- sign 0.001+/-0.000 χ^2/NDF: 14175609.6/40



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.0/23

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

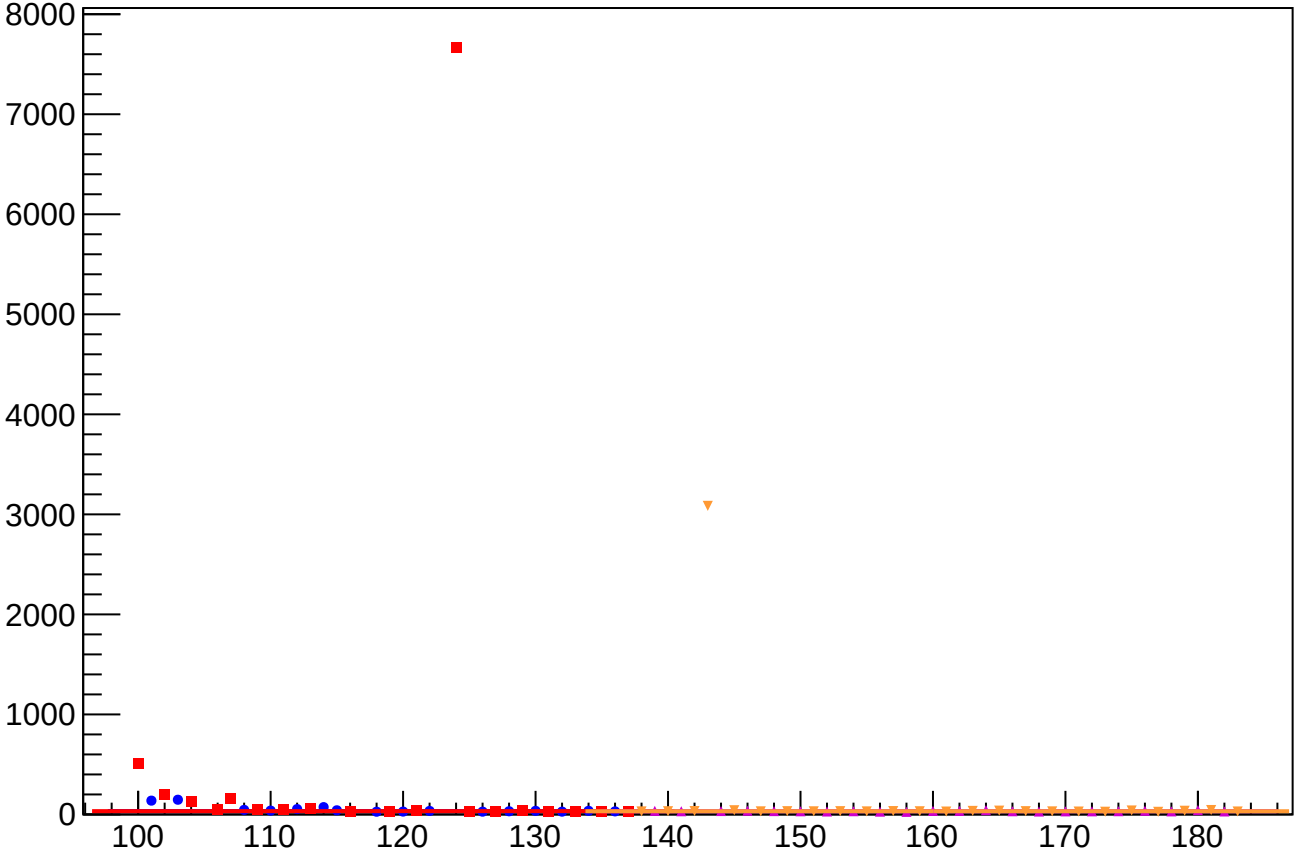
Left In: 0.003+/-0.008 χ^2/NDF:20.8/21

+ sign -0.007+/-0.007 χ^2/NDF: 60.5/39

All: -0.001+/-0.005 χ^2/NDF: 97.3/80

- sign 0.005+/-0.007 χ^2/NDF: 35.3/40

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.158+/-0.006 χ^2/NDF:2056334.7/23

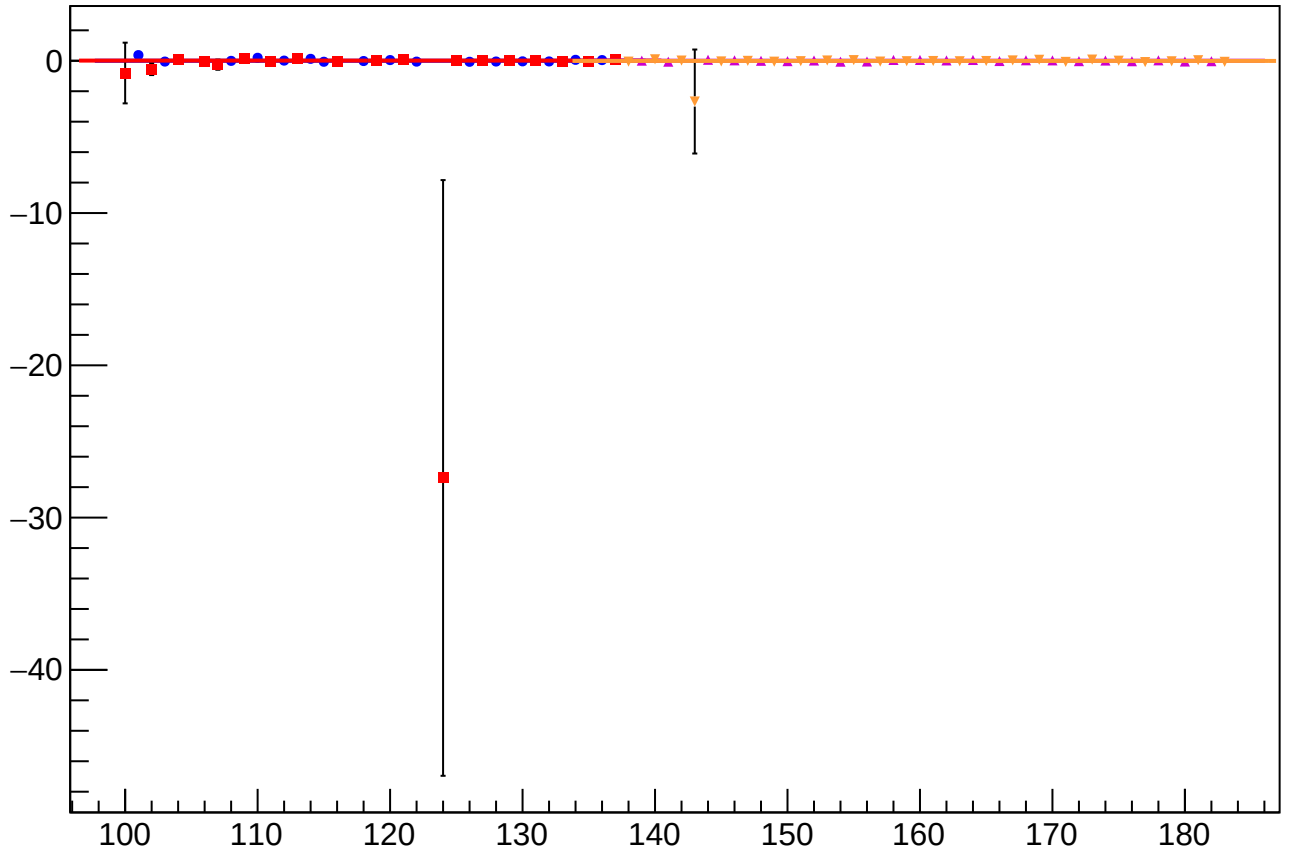
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.577+/-0.006 χ^2/NDF:398014.5/21

+ sign 32.611+/-0.005 χ^2/NDF: 3798771.0/39

All: 32.654+/-0.004 χ^2/NDF: 6273803.7/80

- sign 32.699+/-0.005 χ^2/NDF: 2474884.1/40



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:39.0/23

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

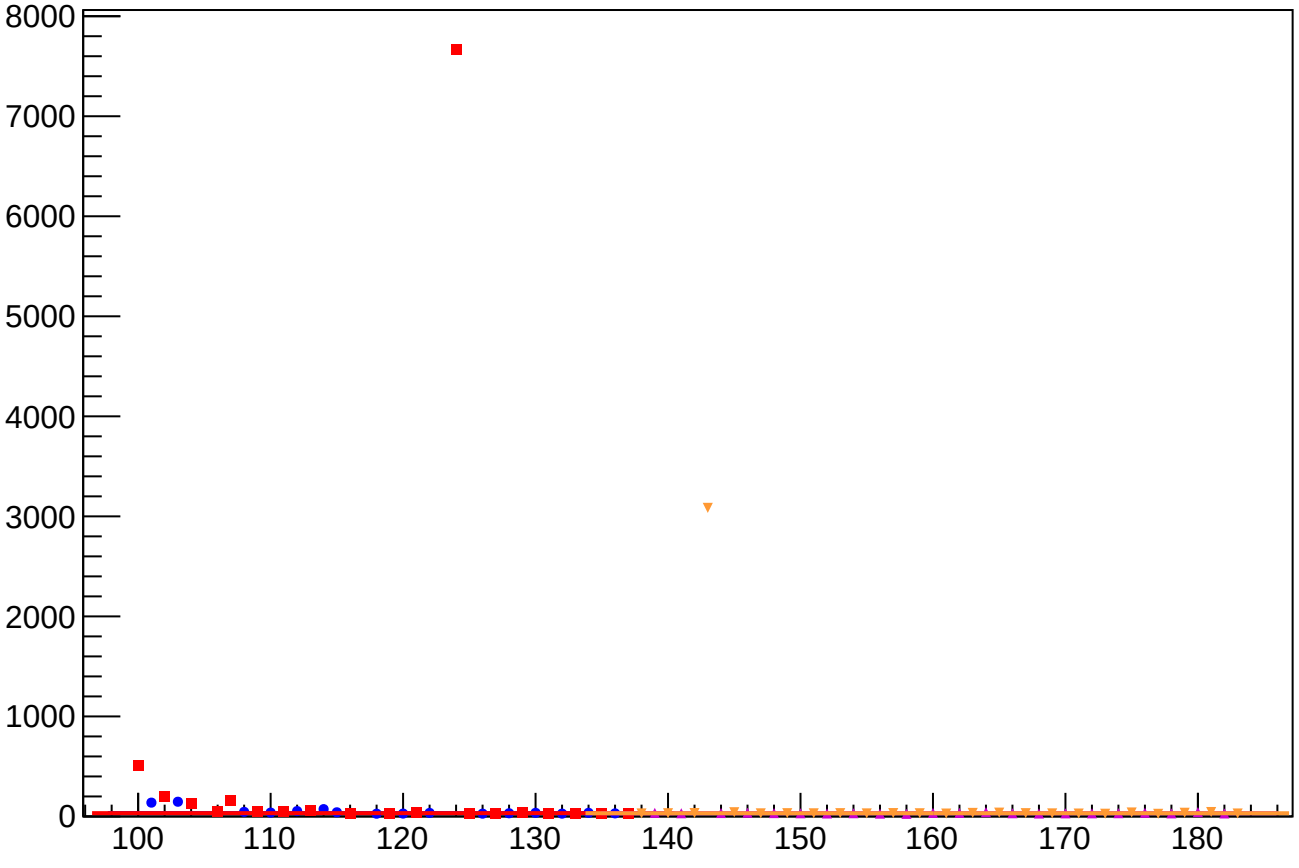
Left In: 0.003+/-0.008 χ^2/NDF:20.8/21

+ sign -0.007+/-0.007 χ^2/NDF: 60.5/39

All: -0.001+/-0.005 χ^2/NDF: 97.3/80

- sign 0.005+/-0.007 χ^2/NDF: 35.3/40

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.158+/-0.006 χ^2/NDF:2056334.7/23

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

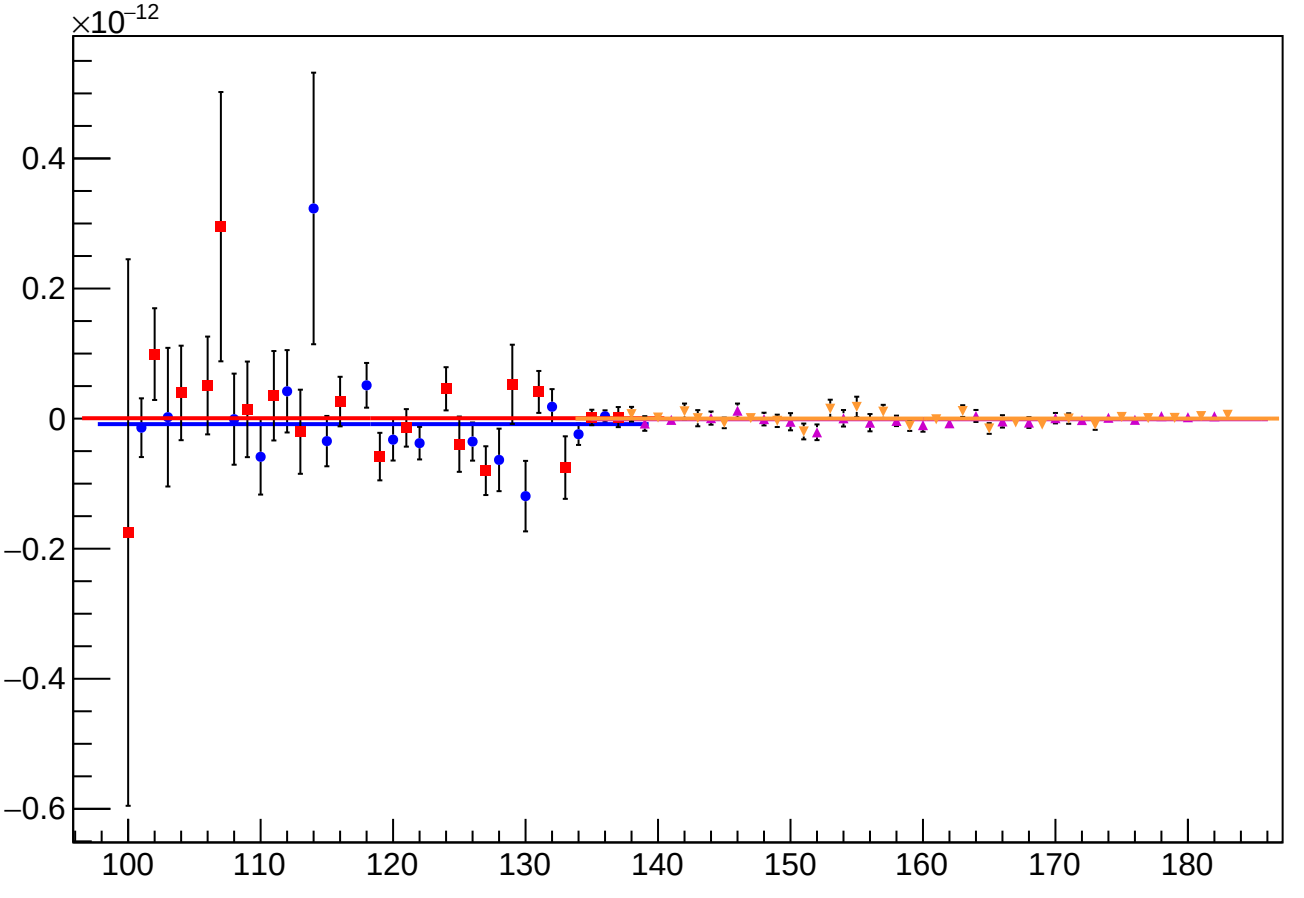
Left In: 32.577+/-0.006 χ^2/NDF:398014.5/21

+ sign 32.611+/-0.005 χ^2/NDF: 3798771.0/39

All: 32.654+/-0.004 χ^2/NDF: 6273803.7/80

- sign 32.699+/-0.005 χ^2/NDF: 2474884.1/40

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/23

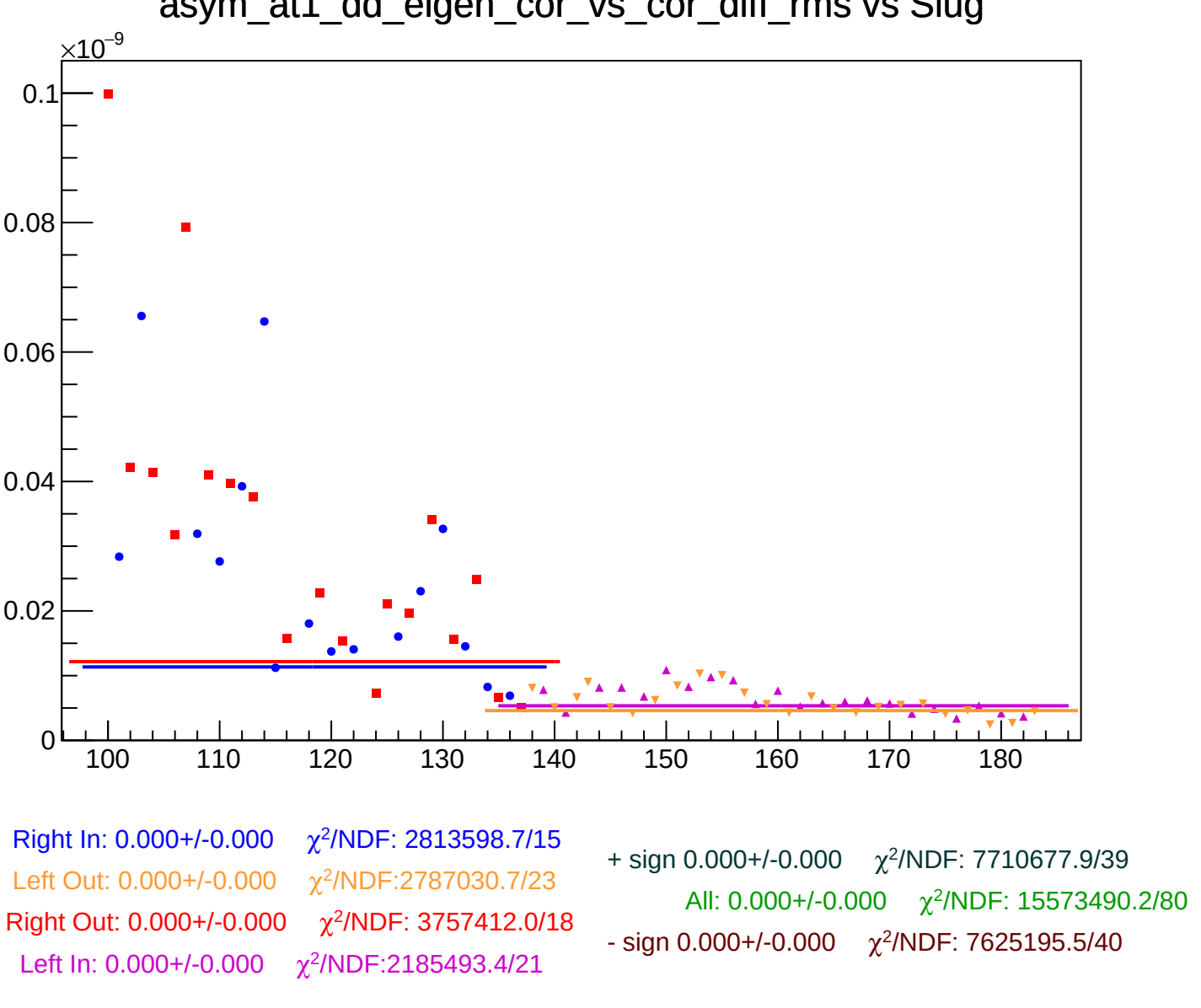
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/21

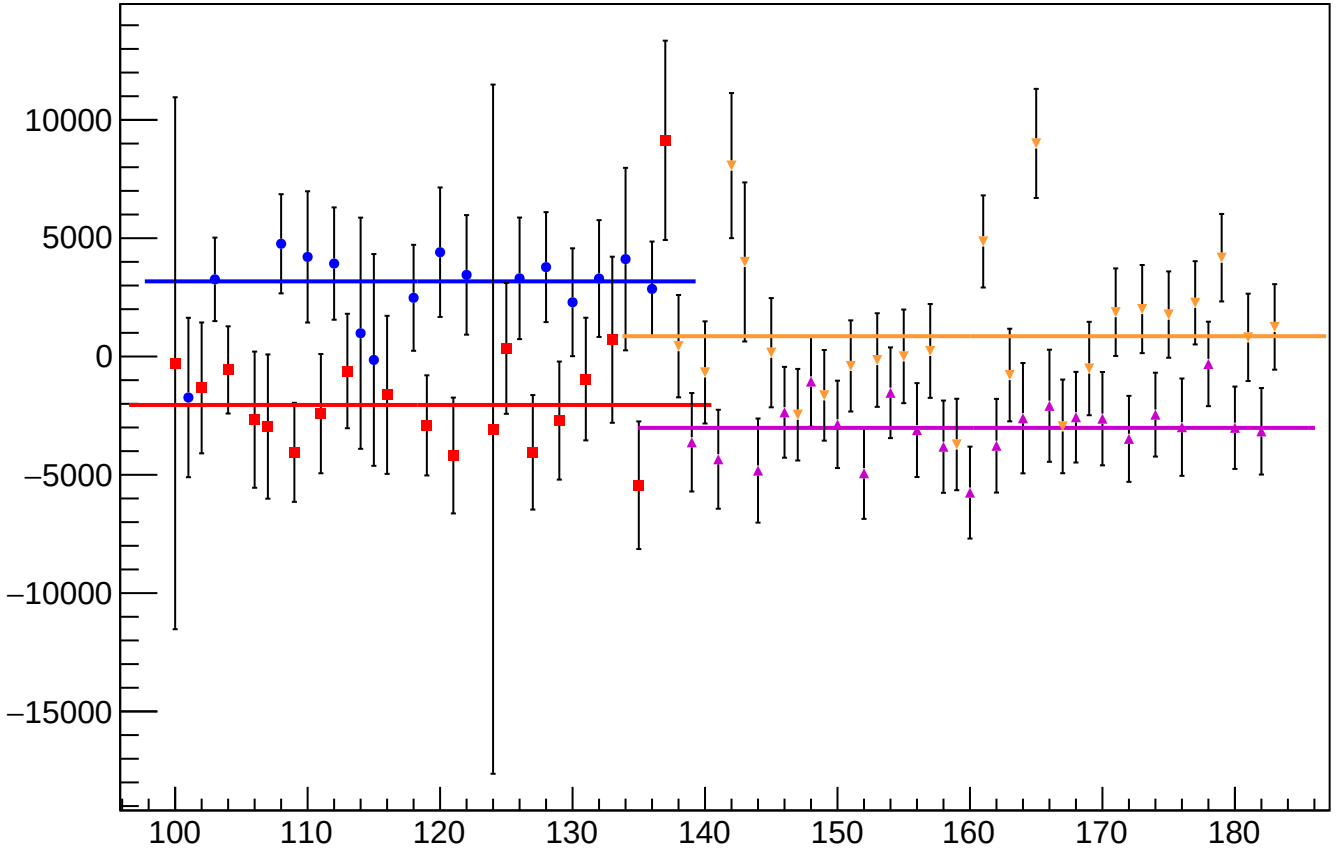
+ sign -0.000+/-0.000 χ^2/NDF: 42.0/39

All: -0.000+/-0.000 χ^2/NDF: 72.1/80

- sign -0.000+/-0.000 χ^2/NDF: 30.0/40


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2787030.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:2185493.4/21
+ sign 0.000+/-0.000 χ²/NDF: 7710677.9/39
All: 0.000+/-0.000 χ²/NDF: 15573490.2/80
- sign 0.000+/-0.000 χ²/NDF: 7625195.5/40

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 858.166+/-409.120 χ^2/NDF:44.7/23

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

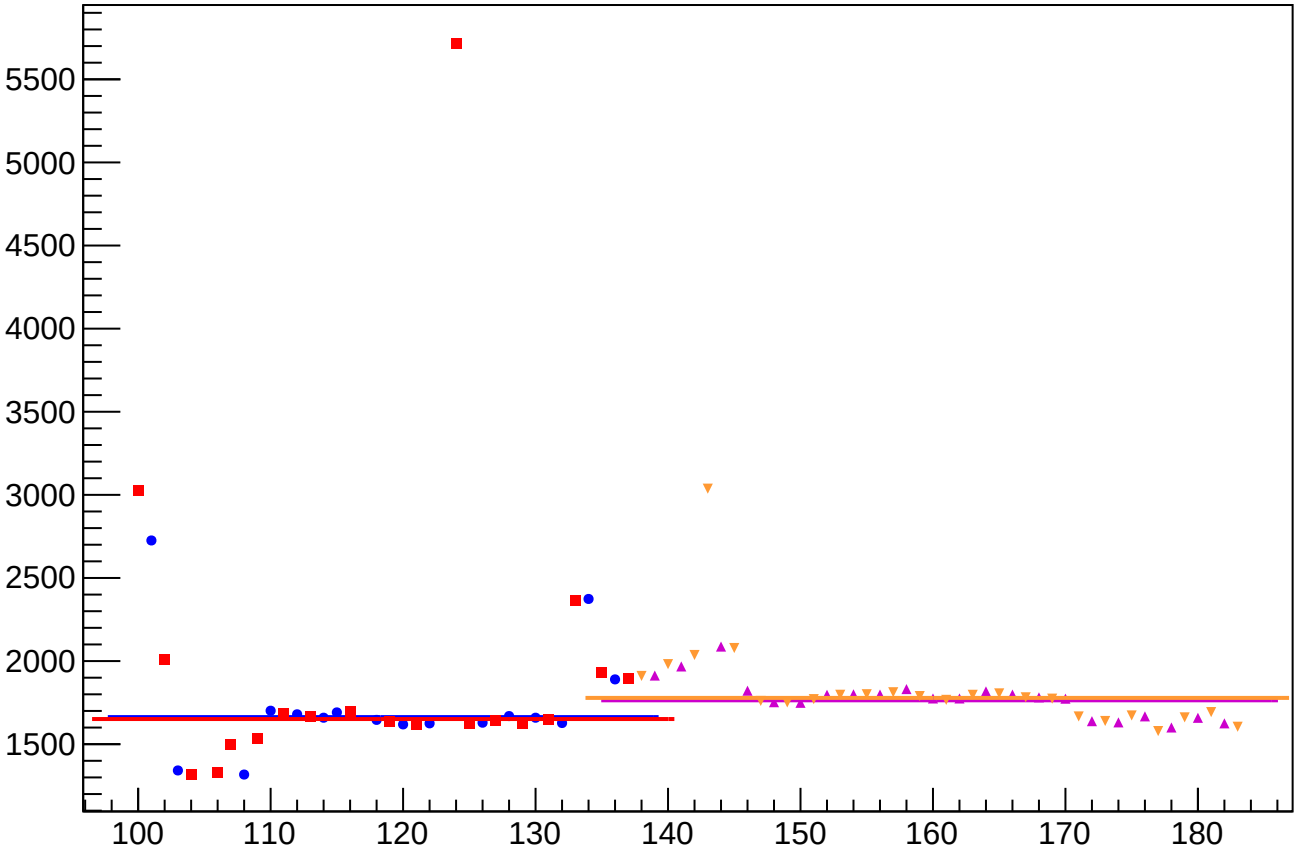
Left In: -3016.524+/-416.119 χ^2/NDF:9.0/21

+ sign 1548.665+/-342.793 χ^2/NDF: 58.6/39

All: -565.490+/-243.438 χ^2/NDF: 160.0/80

- sign -2716.554+/-345.772 χ^2/NDF: 24.7/40

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1778.450+/-0.289 χ^2/NDF:437408.5/23

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

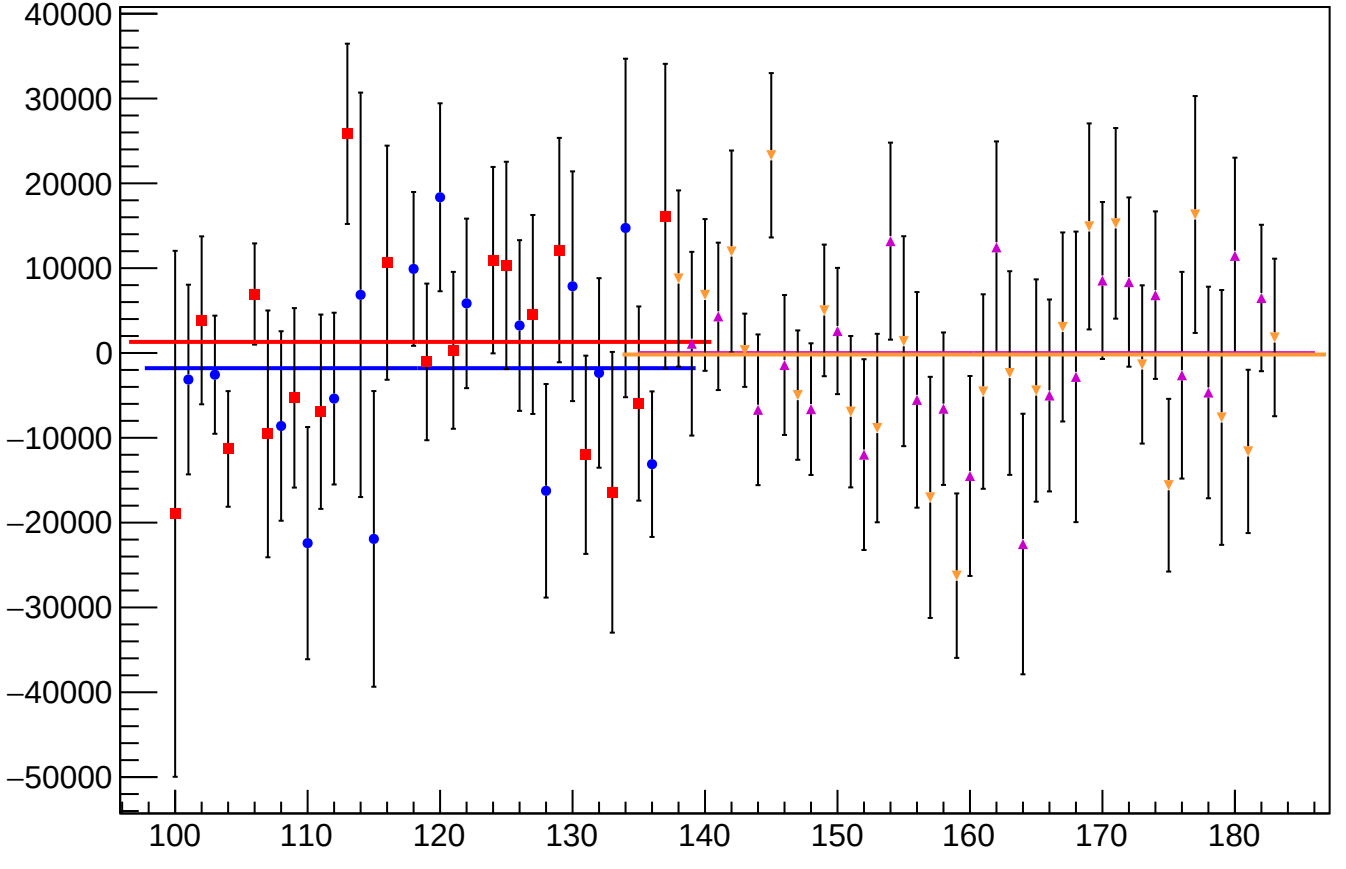
Left In: 1763.964+/-0.294 χ^2/NDF:141336.2/21

+ sign 1744.021+/-0.242 χ^2/NDF: 900574.2/39

All: 1736.624+/-0.172 χ^2/NDF: 1521117.0/80

- sign 1729.098+/-0.244 χ^2/NDF: 618663.9/40

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -180.608+/-1939.371 χ^2/NDF:28.2/23

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

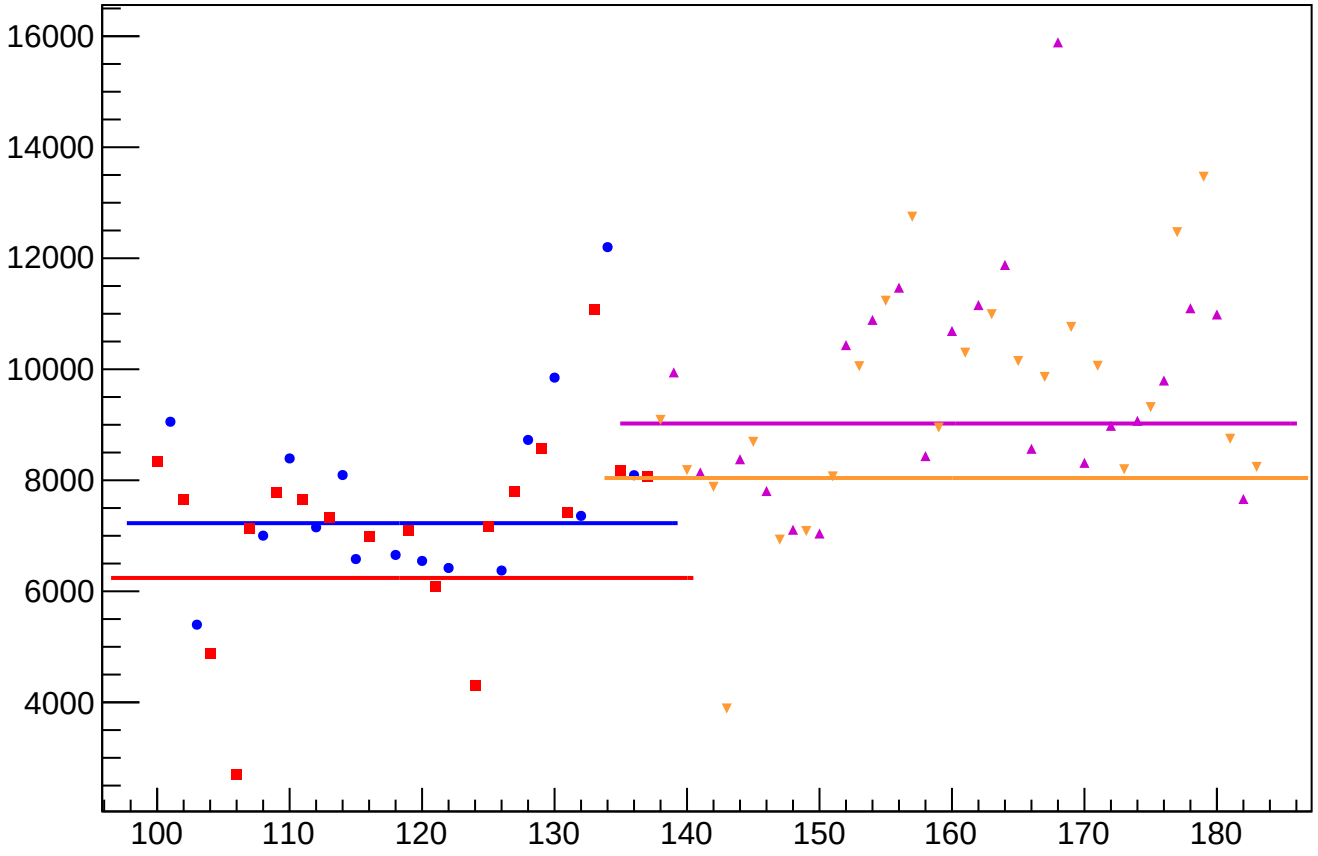
Left In: -22.693+/-2167.861 χ^2/NDF:13.5/21

+ sign -717.172+/-1583.669 χ^2/NDF: 42.7/39

All: -89.093+/-1131.662 χ^2/NDF: 74.4/80

- sign 566.266+/-1617.697 χ^2/NDF: 31.4/40

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 8041.106+/-1.371 χ^2/NDF:3362558.9/23

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

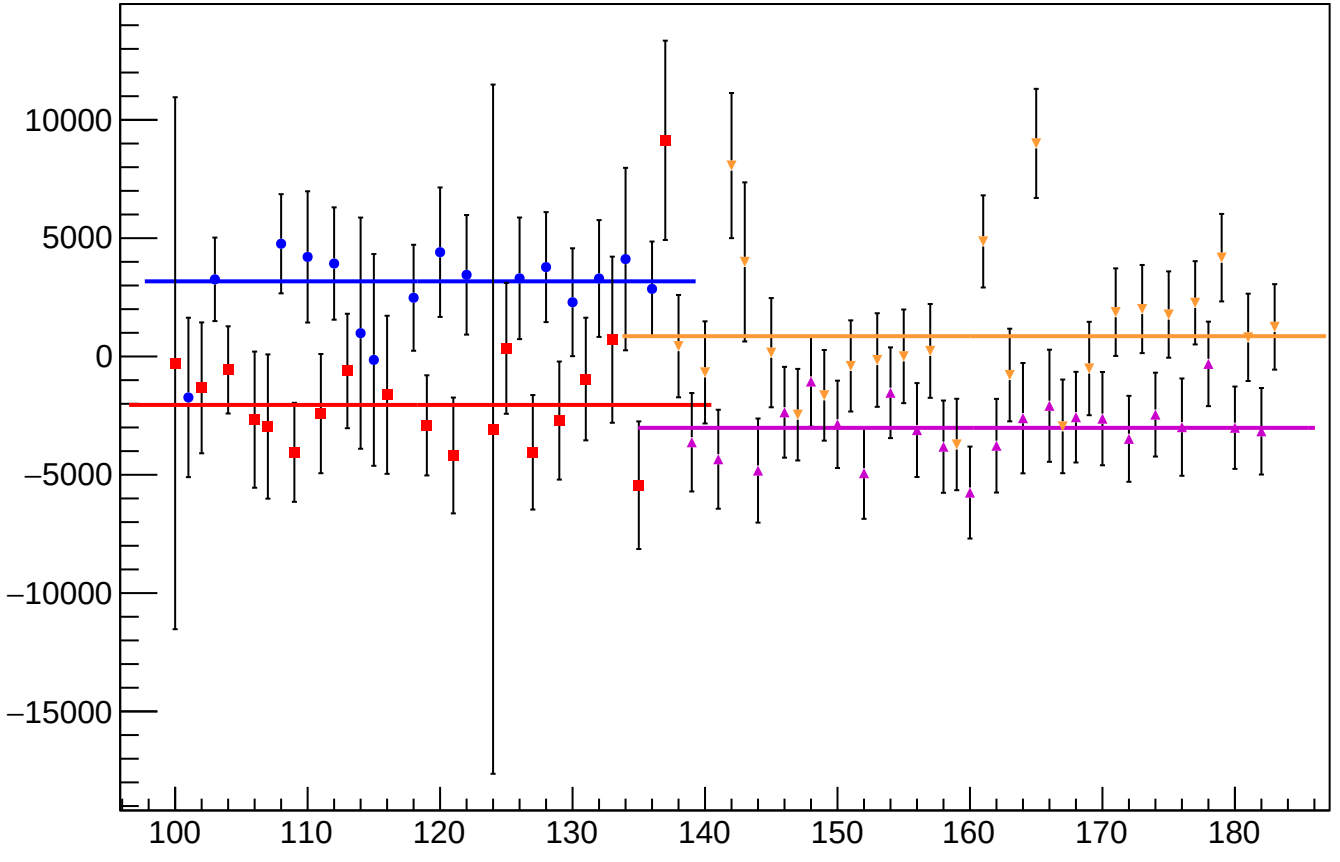
Left In: 9022.789+/-1.533 χ^2/NDF:1193089.7/21

+ sign 7770.057+/-1.120 χ^2/NDF: 3983072.3/39

All: 7779.728+/-0.800 χ^2/NDF: 8035257.8/80

- sign 7789.819+/-1.144 χ^2/NDF: 4052033.0/40

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 858.080+/-409.120 χ^2/NDF:44.7/23

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

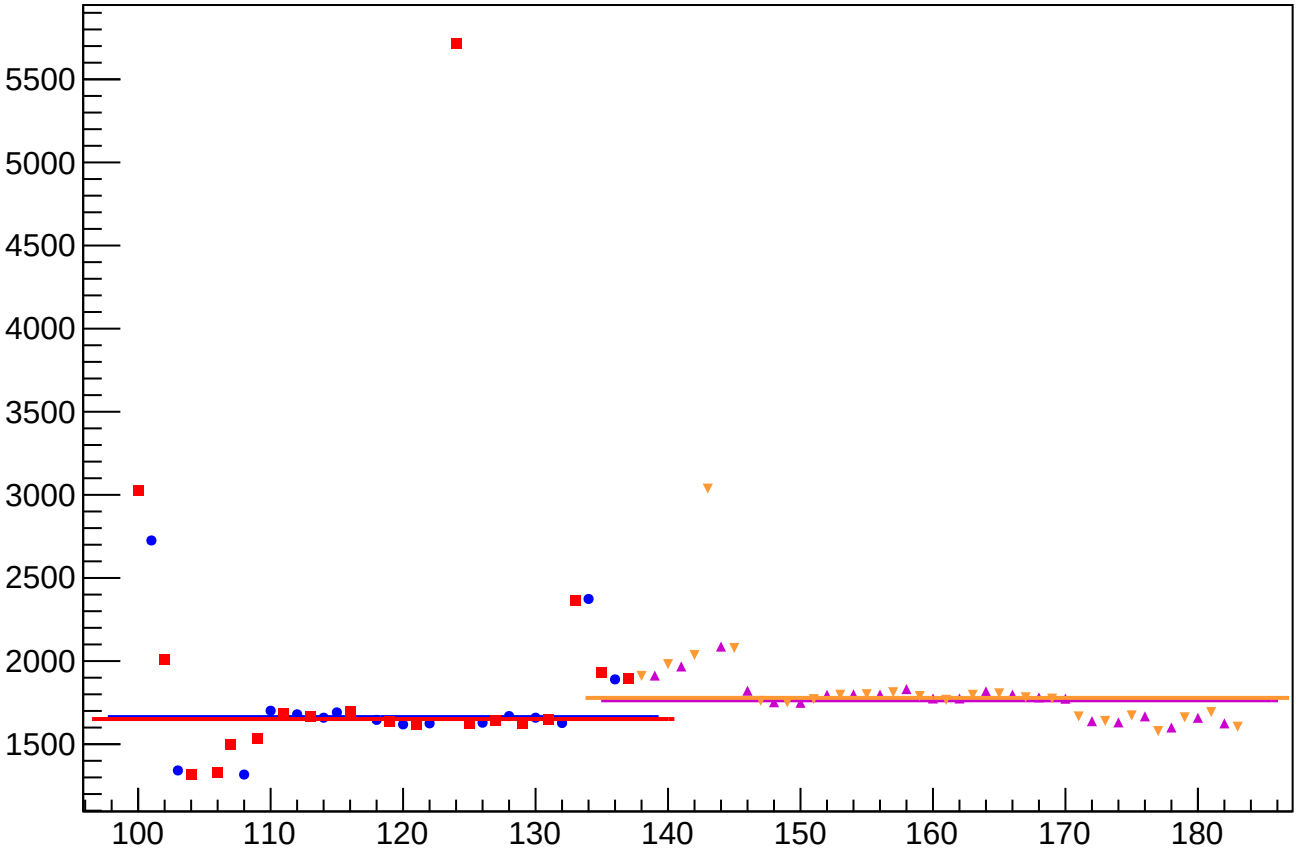
Left In: -3016.423+/-416.119 χ^2/NDF:9.0/21

+ sign 1548.631+/-342.793 χ^2/NDF: 58.6/39

All: -565.442+/-243.438 χ^2/NDF: 160.0/80

- sign -2716.423+/-345.772 χ^2/NDF: 24.7/40

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1778.450+/-0.289 χ^2/NDF:437408.5/23

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

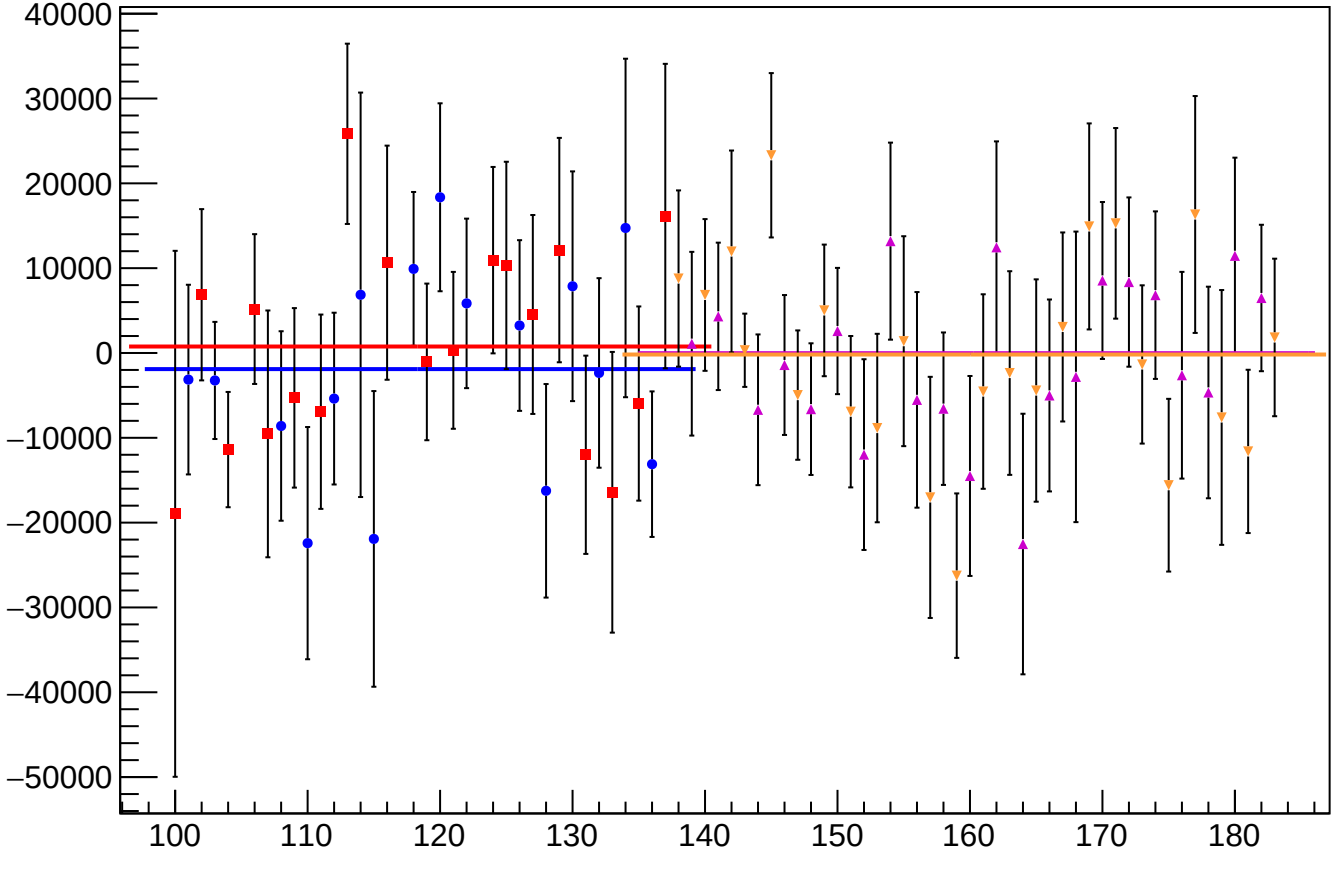
Left In: 1763.964+/-0.294 χ^2/NDF:141336.2/21

+ sign 1744.021+/-0.242 χ^2/NDF: 900574.7/39

All: 1736.624+/-0.172 χ^2/NDF: 1521117.7/80

- sign 1729.098+/-0.244 χ^2/NDF: 618664.1/40

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -180.660+/-1939.367 χ^2/NDF:28.2/23

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

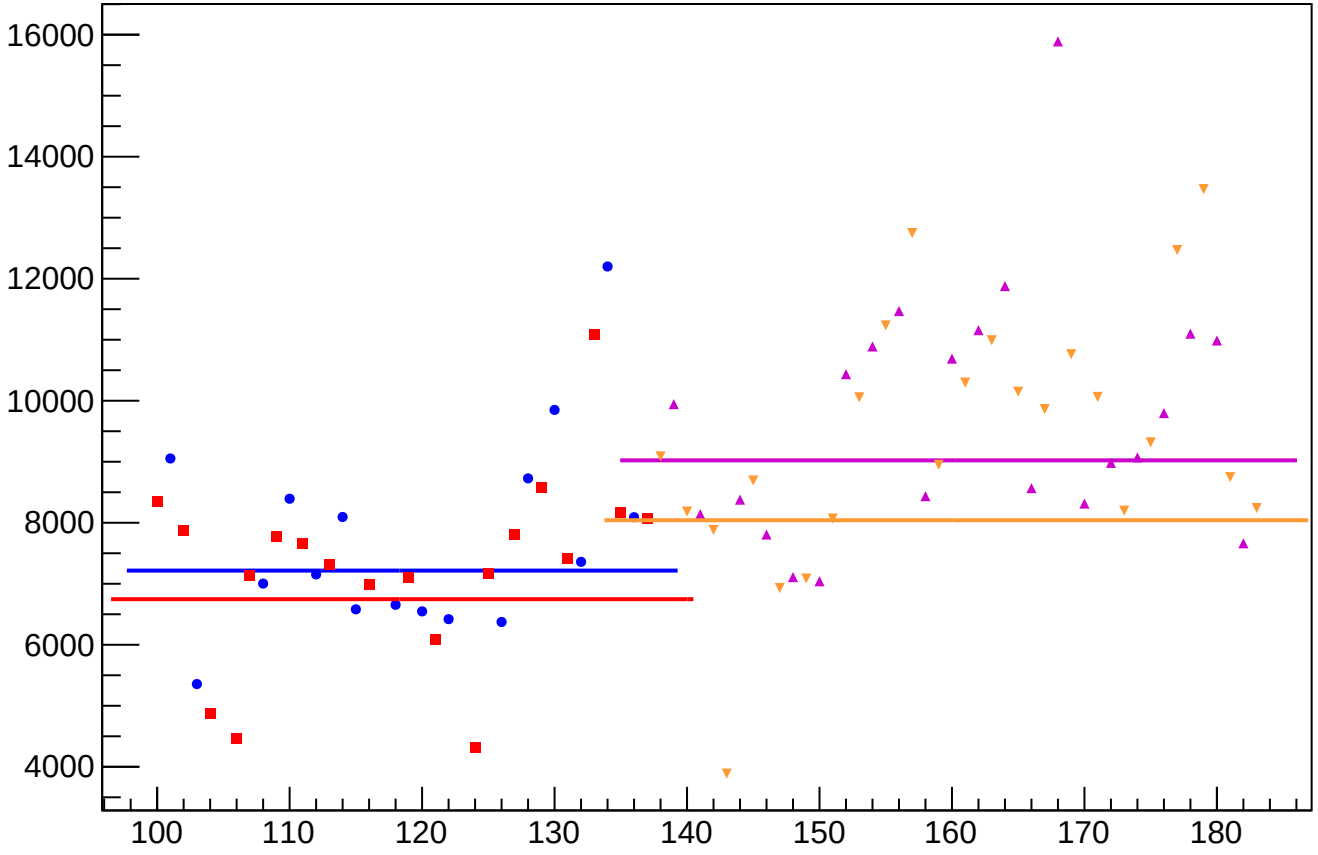
Left In: -22.738+/-2167.859 χ^2/NDF:13.5/21

+ sign -754.575+/-1582.961 χ^2/NDF: 42.8/39

All: -246.460+/-1142.833 χ^2/NDF: 73.8/80

- sign 306.706+/-1651.647 χ^2/NDF: 30.8/40

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8041.080+/-1.371 χ^2/NDF:3362635.9/23

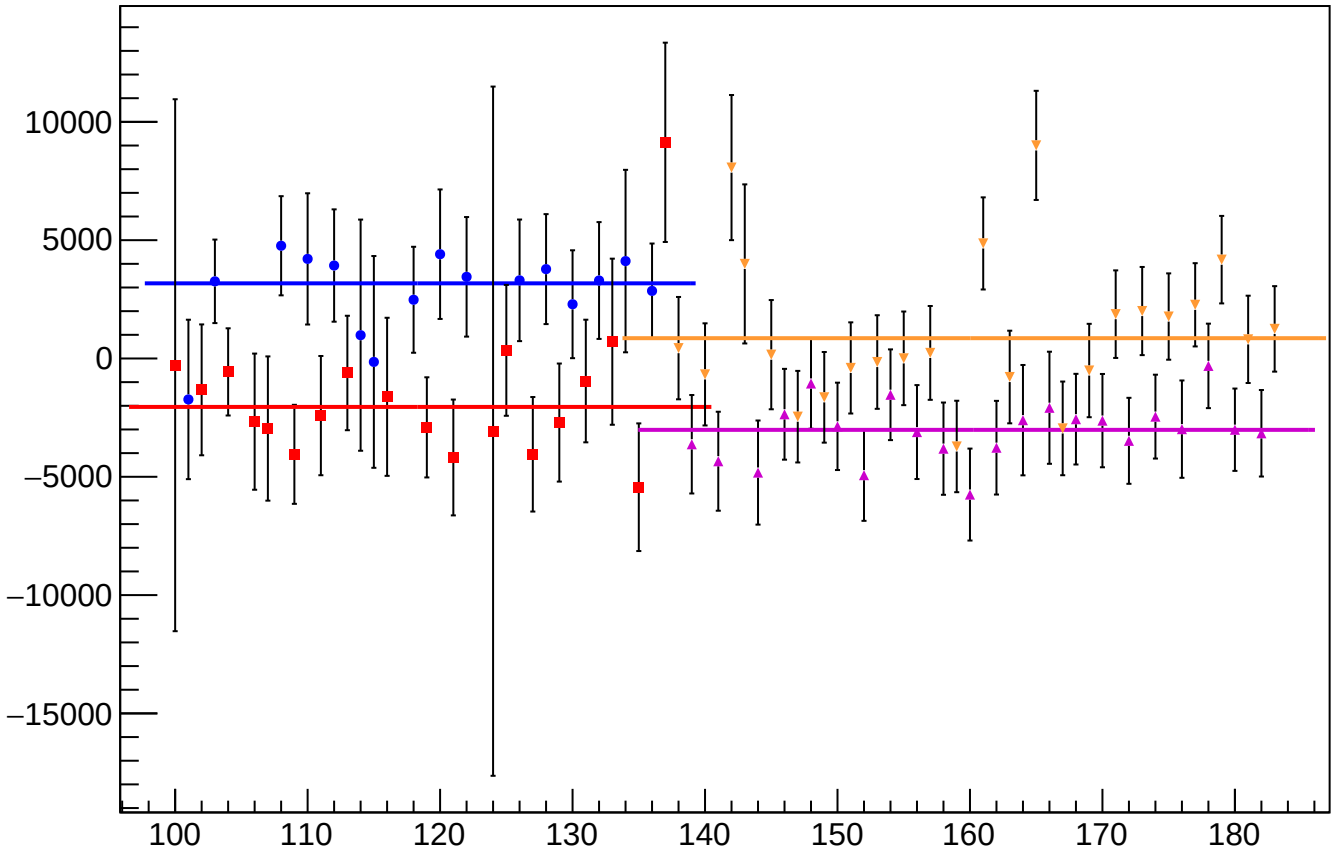
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9022.781+/-1.533 χ^2/NDF:1193093.3/21

+ sign 7765.699+/-1.119 χ^2/NDF: 3995578.5/39

All: 7910.581+/-0.808 χ^2/NDF: 6856563.8/80

- sign 8068.309+/-1.168 χ^2/NDF: 2825991.6/40



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 858.080+/-409.120 χ^2/NDF:44.7/23

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

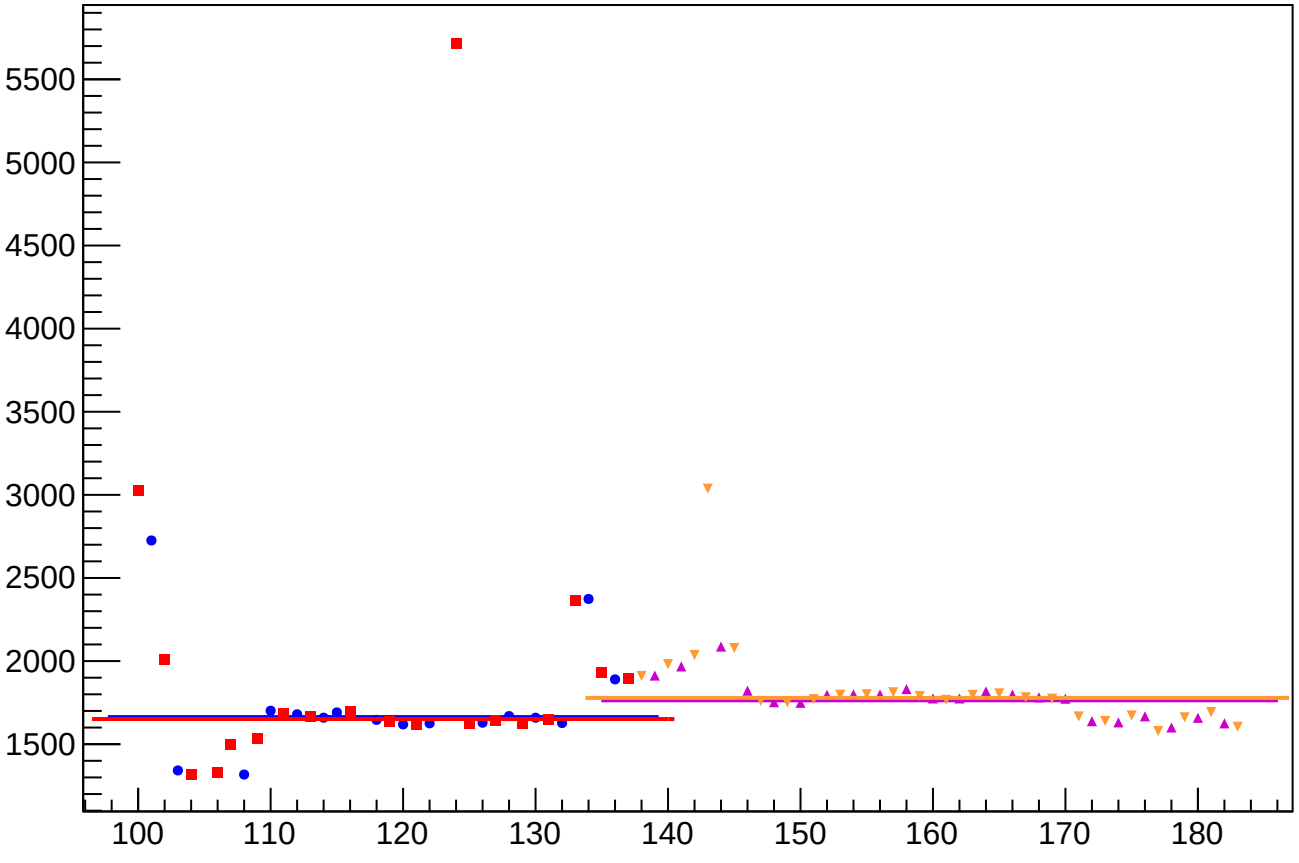
Left In: -3016.423+/-416.119 χ^2/NDF:9.0/21

+ sign 1548.631+/-342.793 χ^2/NDF: 58.6/39

All: -565.442+/-243.438 χ^2/NDF: 160.0/80

- sign -2716.423+/-345.772 χ^2/NDF: 24.7/40

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1778.450+/-0.289 χ^2/NDF:437408.5/23

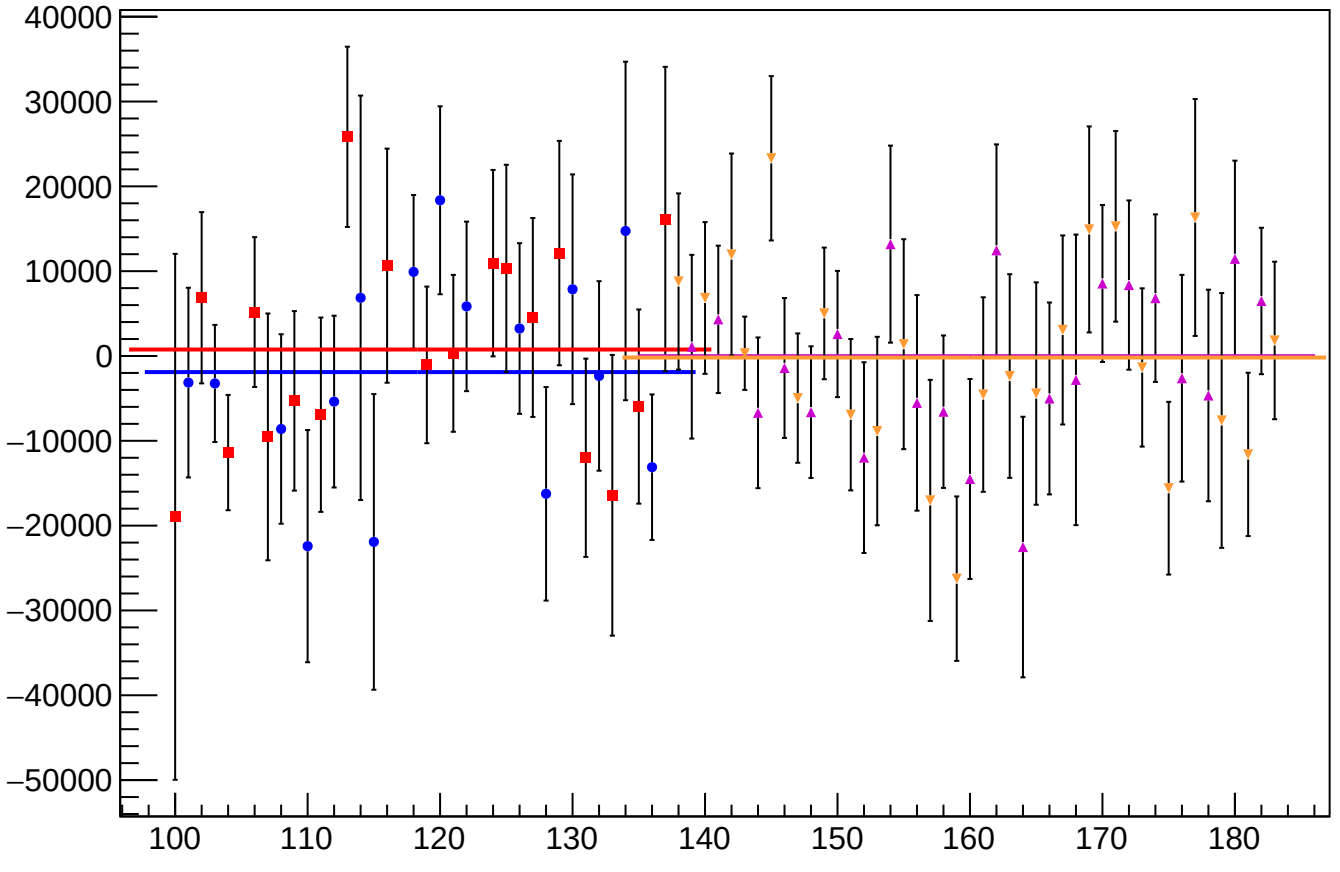
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1763.964+/-0.294 χ^2/NDF:141336.2/21

+ sign 1744.021+/-0.242 χ^2/NDF: 900574.7/39

All: 1736.624+/-0.172 χ^2/NDF: 1521117.7/80

- sign 1729.098+/-0.244 χ^2/NDF: 618664.1/40



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -180.660+/-1939.367 χ^2/NDF:28.2/23

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

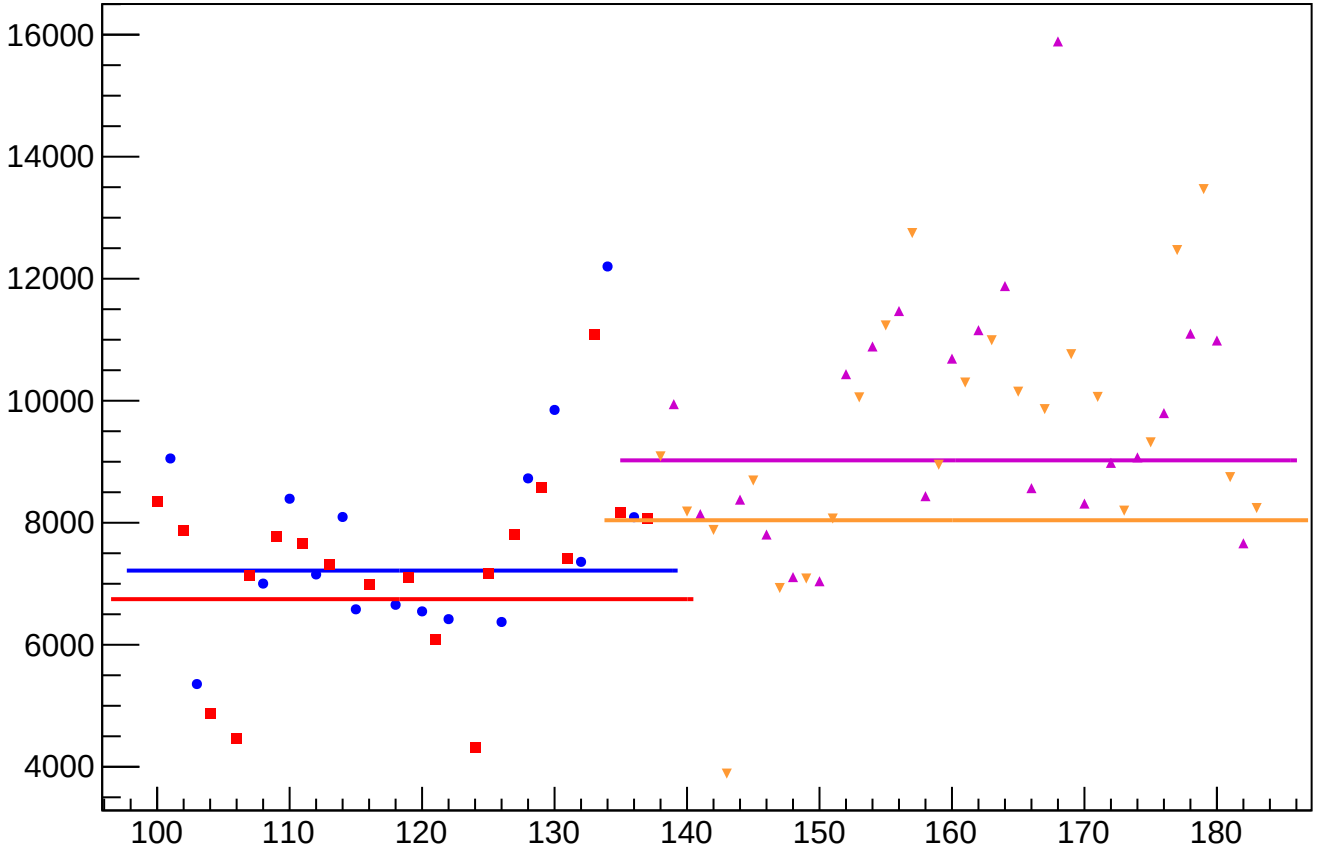
Left In: -22.738+/-2167.859 χ^2/NDF:13.5/21

+ sign -754.575+/-1582.961 χ^2/NDF: 42.8/39

All: -246.460+/-1142.833 χ^2/NDF: 73.8/80

- sign 306.706+/-1651.647 χ^2/NDF: 30.8/40

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8041.080+/-1.371 χ^2/NDF:3362635.9/23

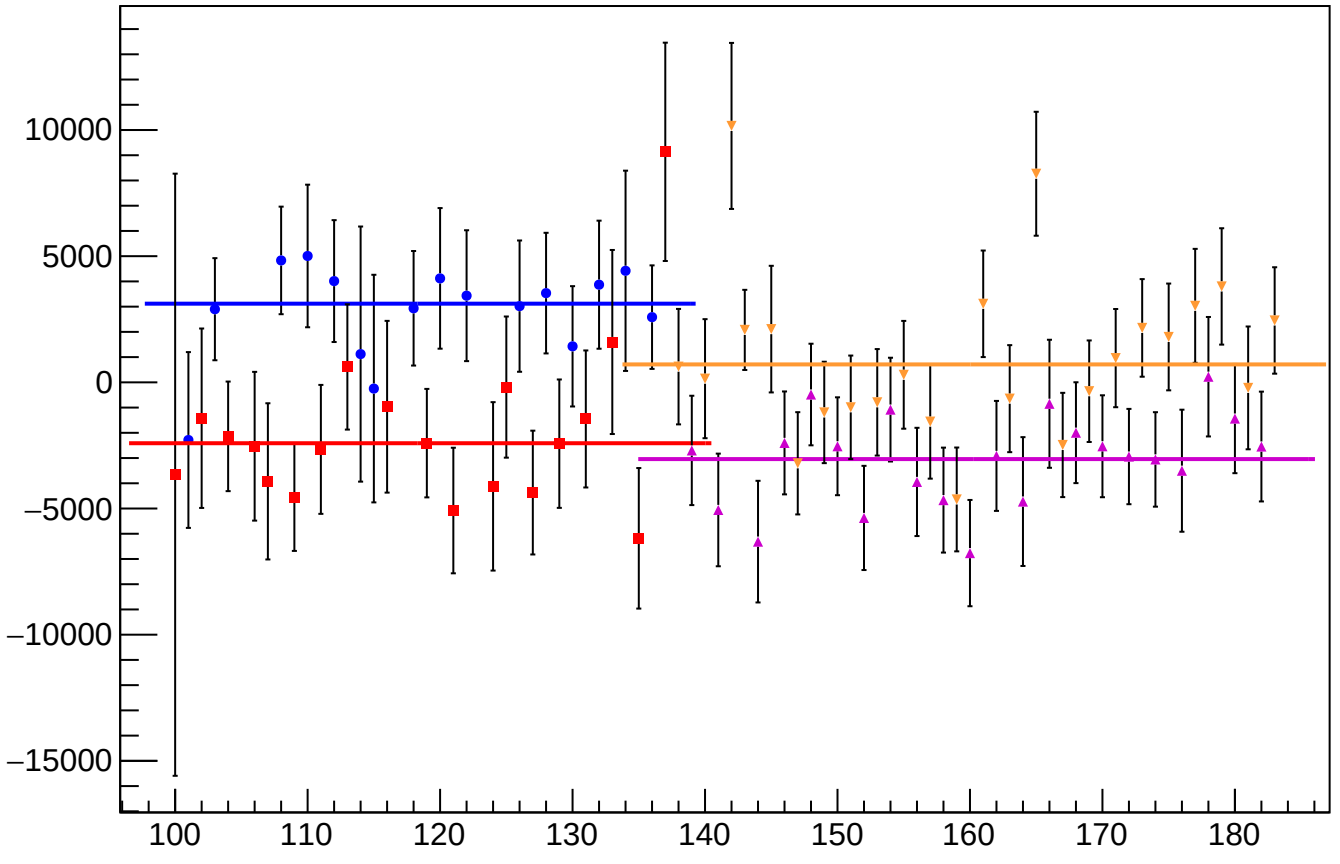
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9022.781+/-1.533 χ^2/NDF:1193093.3/21

+ sign 7765.699+/-1.119 χ^2/NDF: 3995578.5/39

All: 7910.581+/-0.808 χ^2/NDF: 6856563.8/80

- sign 8068.309+/-1.168 χ^2/NDF: 2825991.6/40



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 710.723+/-436.447 χ^2/NDF:41.4/23

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

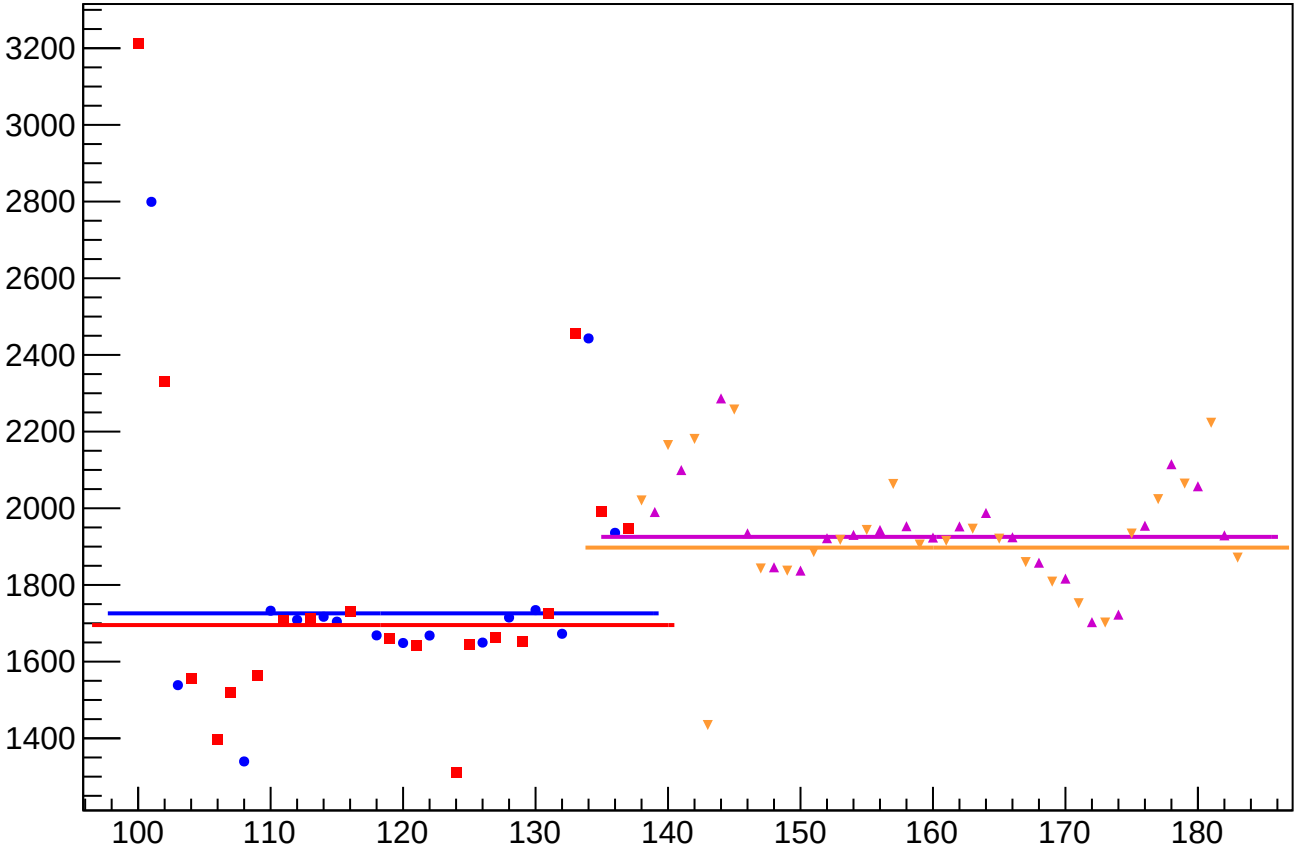
Left In: -3041.004+/-454.593 χ^2/NDF:14.6/21

+ sign 1456.978+/-362.536 χ^2/NDF: 56.1/39

All: -640.287+/-259.096 χ^2/NDF: 155.8/80

- sign -2829.802+/-370.424 χ^2/NDF: 31.3/40

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1897.454+/-0.309 χ^2/NDF:363641.2/23

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

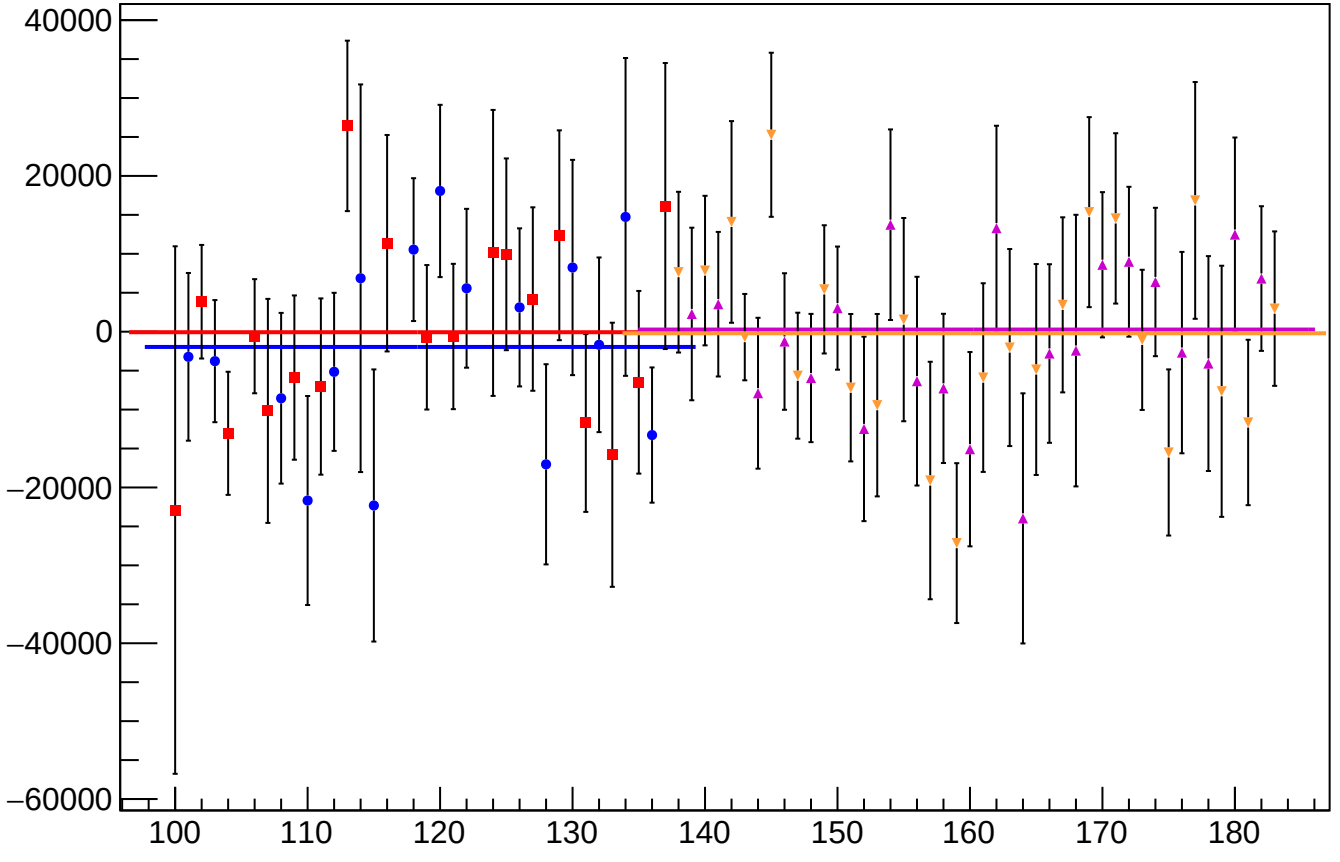
Left In: 1925.413+/-0.321 χ^2/NDF:148050.8/21

+ sign 1844.273+/-0.256 χ^2/NDF: 825065.2/39

All: 1846.136+/-0.183 χ^2/NDF: 1431002.4/80

- sign 1848.080+/-0.262 χ^2/NDF: 605829.3/40

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -204.686+/-2104.296 χ^2/NDF:27.6/23

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

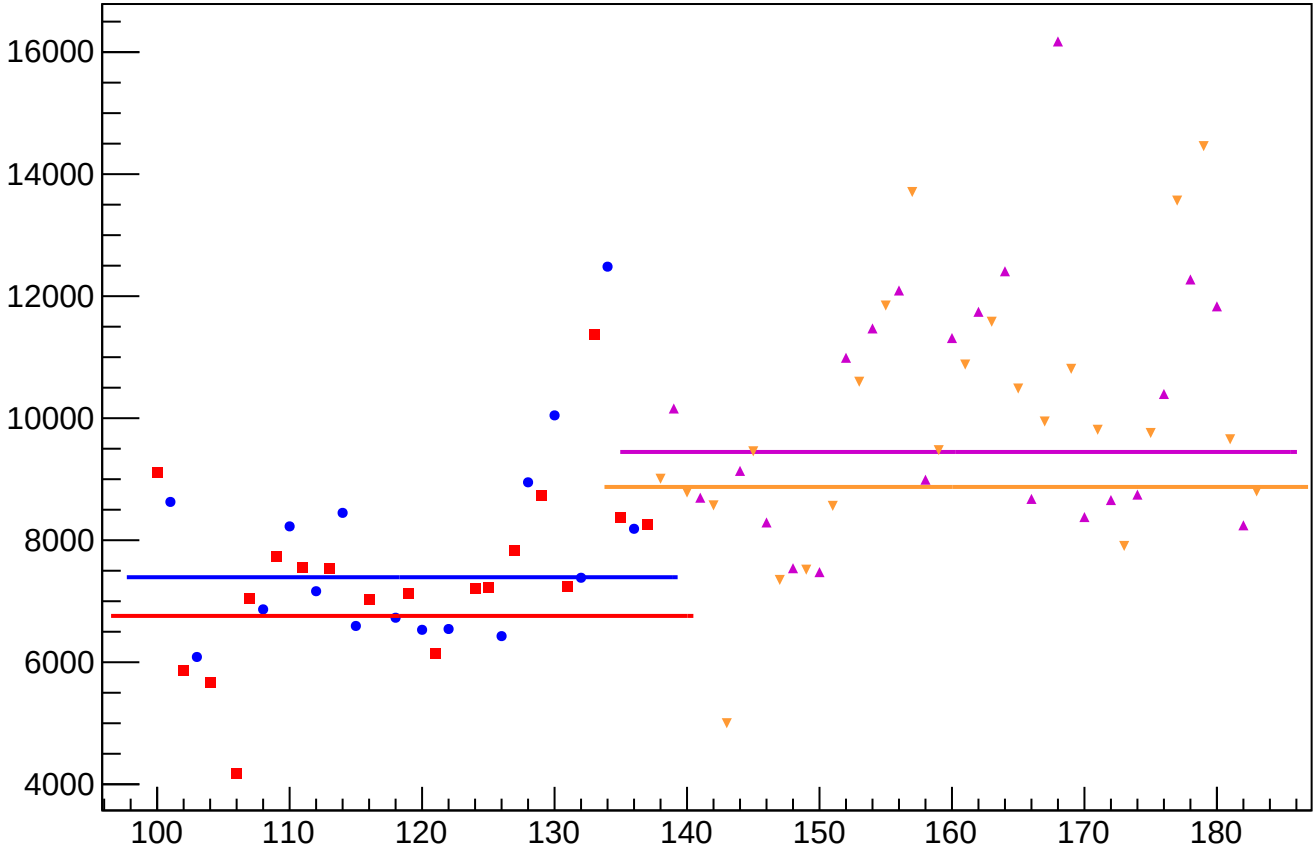
Left In: 274.563+/-2269.989 χ^2/NDF:13.3/21

\+ sign -838.222+/-1681.830 χ^2/NDF: 42.3/39

All: -360.441+/-1191.920 χ^2/NDF: 71.9/80

\- sign 121.682+/-1689.455 χ^2/NDF: 29.4/40

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8873.262+/-1.488 χ^2/NDF:2203246.2/23

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

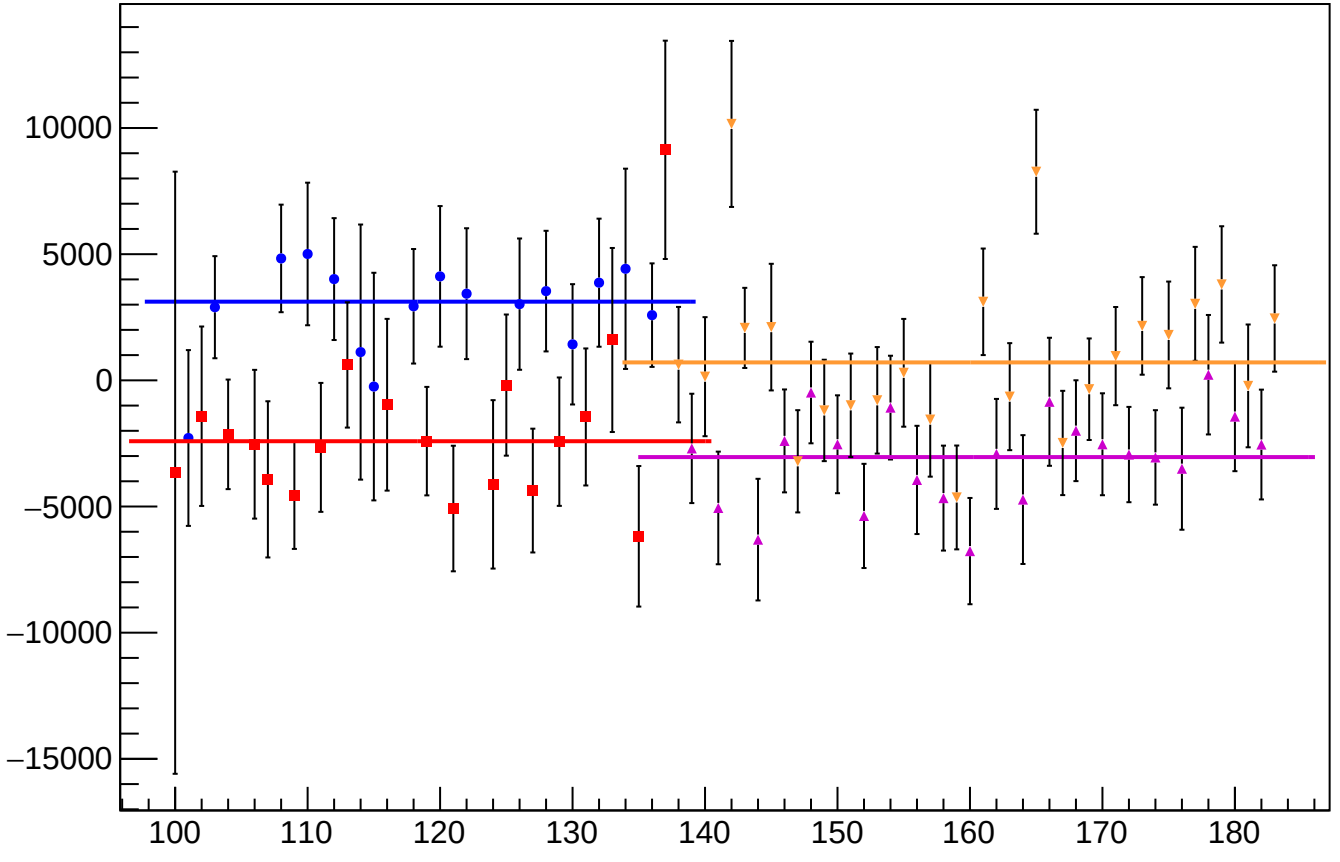
Left In: 9446.755+/-1.605 χ^2/NDF:1193646.3/21

+ sign 8338.785+/-1.189 χ^2/NDF: 2962264.6/39

All: 8293.592+/-0.843 χ^2/NDF: 6053472.6/80

- sign 8247.987+/-1.195 χ^2/NDF: 3088306.5/40

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 710.713+/-436.448 χ^2/NDF:41.4/23

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

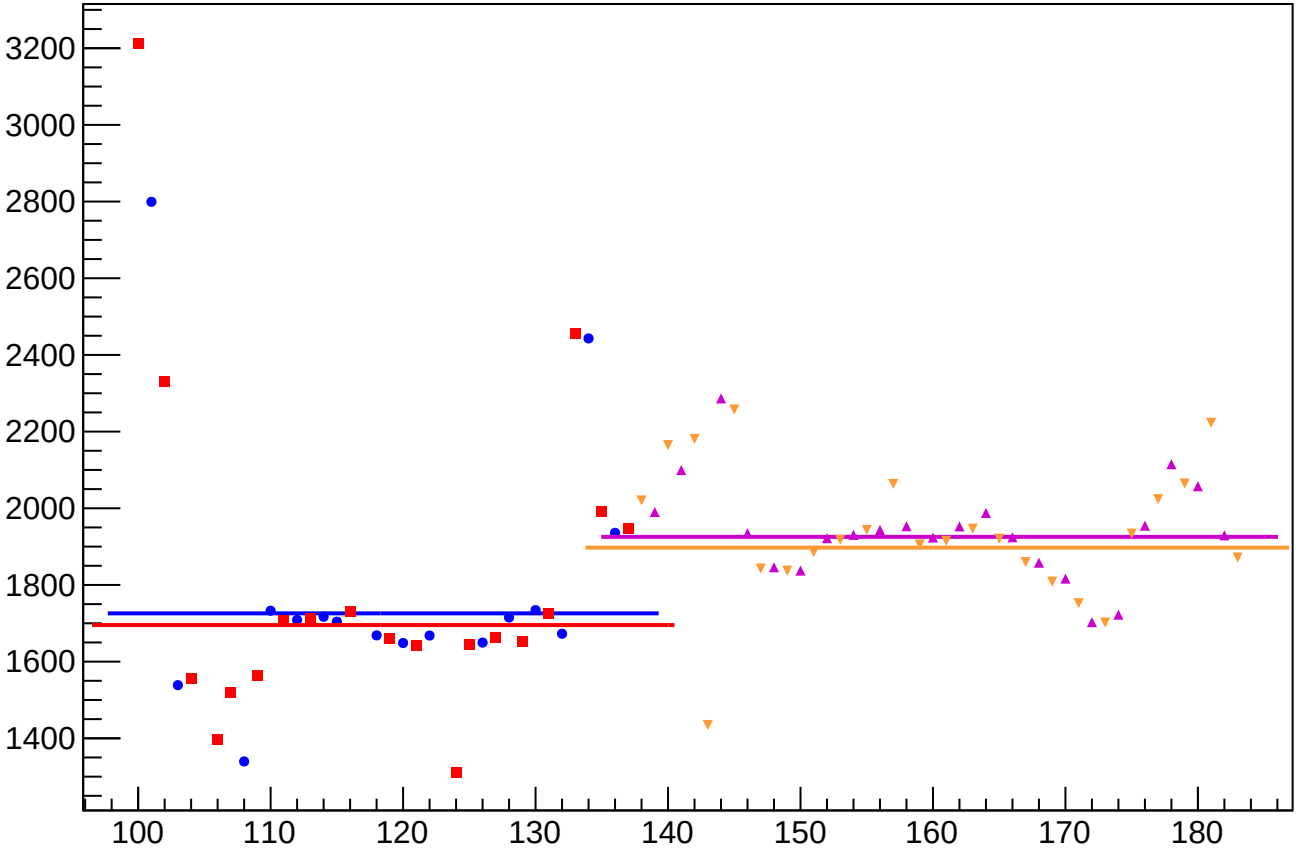
Left In: -3041.006+/-454.594 χ^2/NDF:14.6/21

+ sign 1456.974+/-362.537 χ^2/NDF: 56.1/39

All: -640.291+/-259.096 χ^2/NDF: 155.8/80

- sign -2829.805+/-370.424 χ^2/NDF: 31.3/40

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1897.457+/-0.309 χ^2/NDF:363649.1/23

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

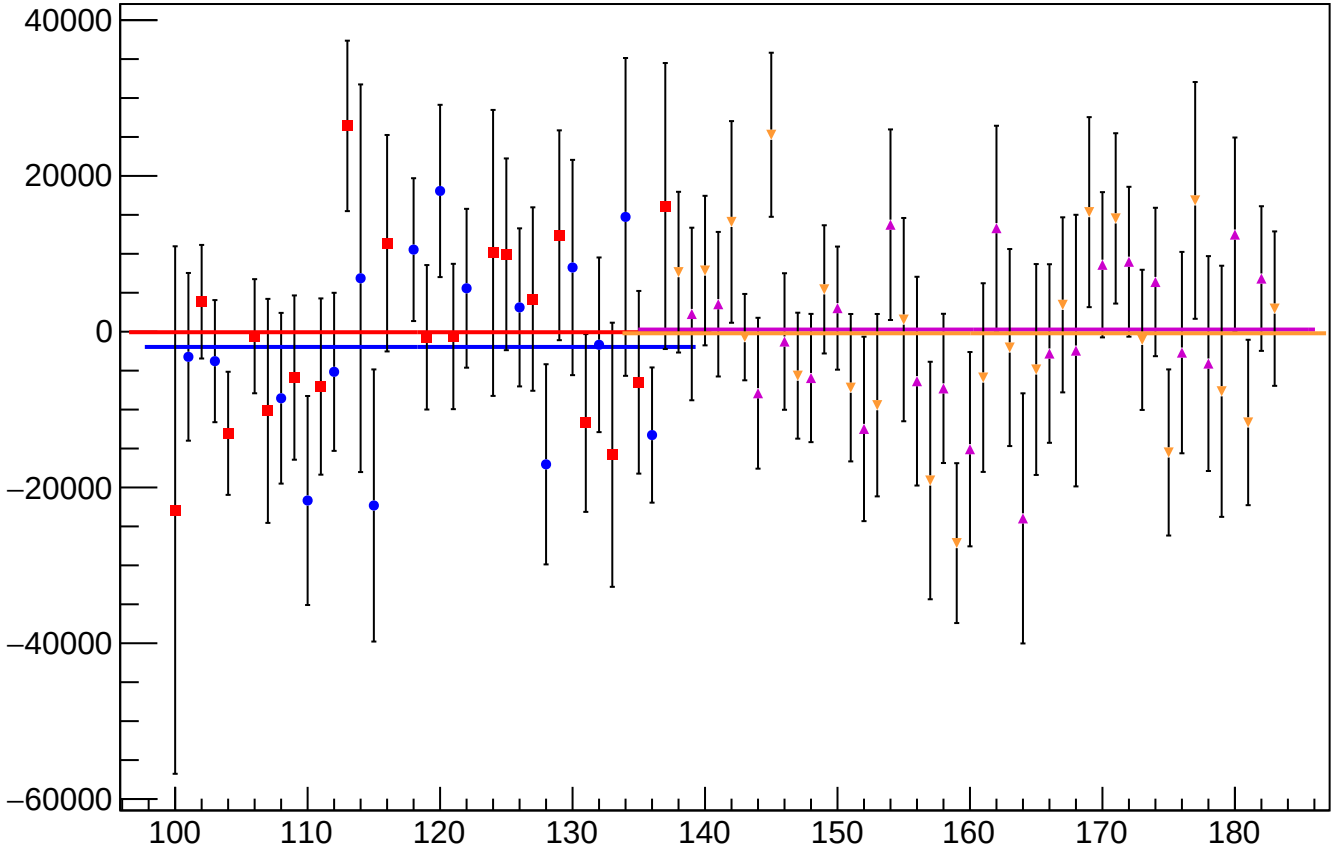
Left In: 1925.416+/-0.321 χ^2/NDF:148058.4/21

+ sign 1844.275+/-0.256 χ^2/NDF: 825077.0/39

All: 1846.138+/-0.183 χ^2/NDF: 1431027.2/80

- sign 1848.082+/-0.262 χ^2/NDF: 605842.3/40

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -204.693+/-2104.299 χ^2/NDF:27.6/23

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

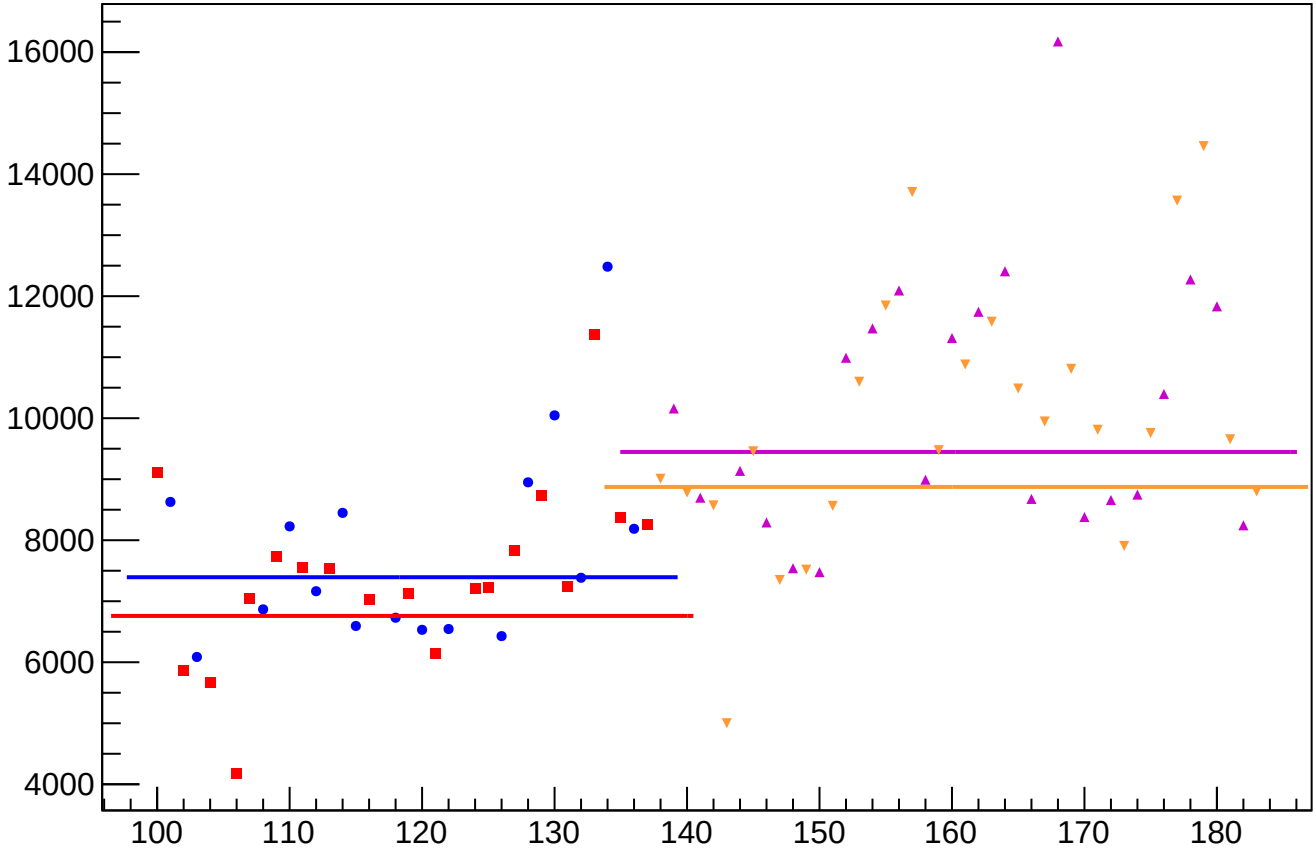
Left In: 274.565+/-2269.993 χ^2/NDF:13.3/21

\+ sign -838.222+/-1681.830 χ^2/NDF: 42.3/39

All: -360.442+/-1191.920 χ^2/NDF: 71.9/80

\- sign 121.680+/-1689.455 χ^2/NDF: 29.4/40

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8873.276+/-1.488 χ^2/NDF:2203247.7/23

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

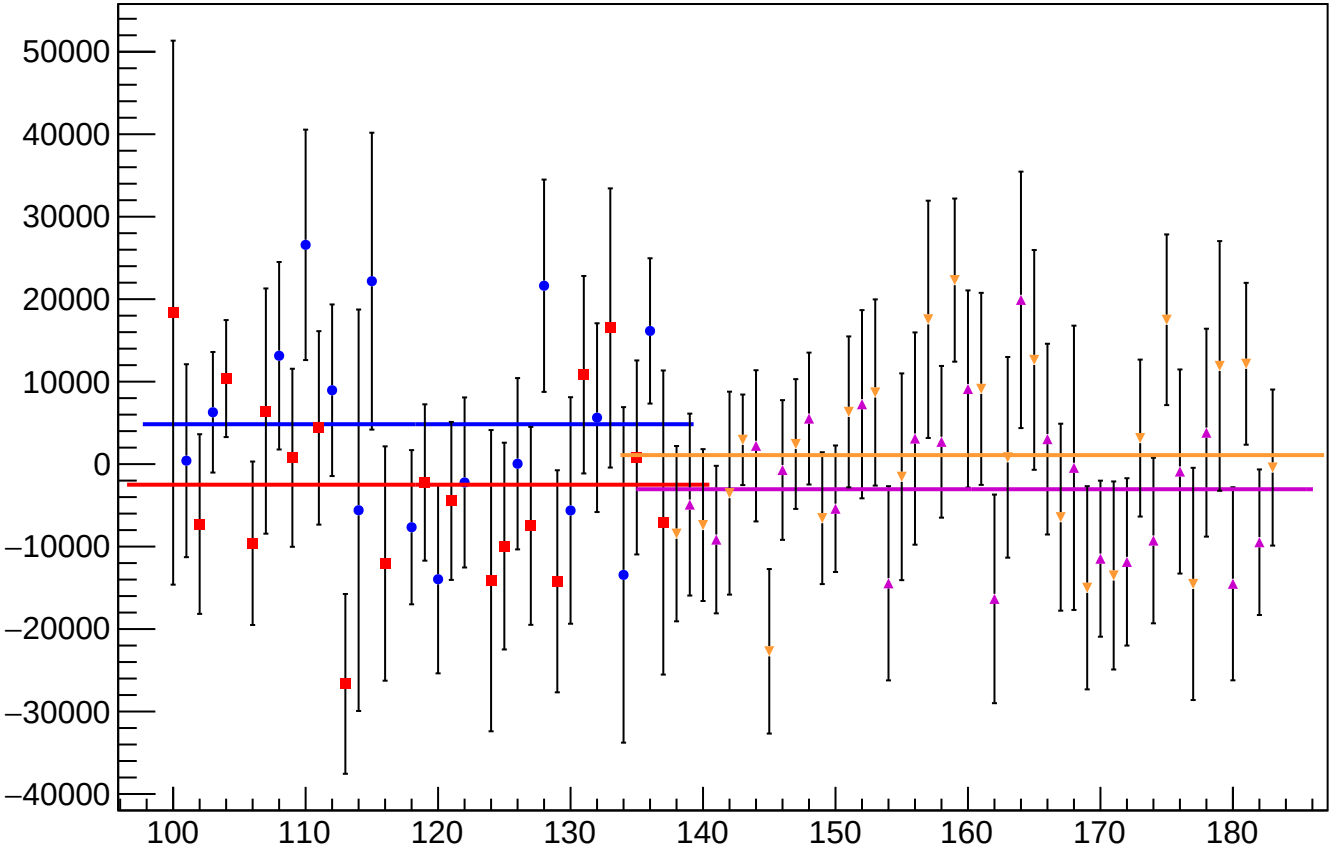
Left In: 9446.770+/-1.605 χ^2/NDF:1193650.4/21

+ sign 8338.785+/-1.189 χ^2/NDF: 2962284.3/39

All: 8293.590+/-0.843 χ^2/NDF: 6053523.2/80

- sign 8247.984+/-1.195 χ^2/NDF: 3088337.1/40

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 1090.826+/-2055.712 χ^2/NDF:25.9/23

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

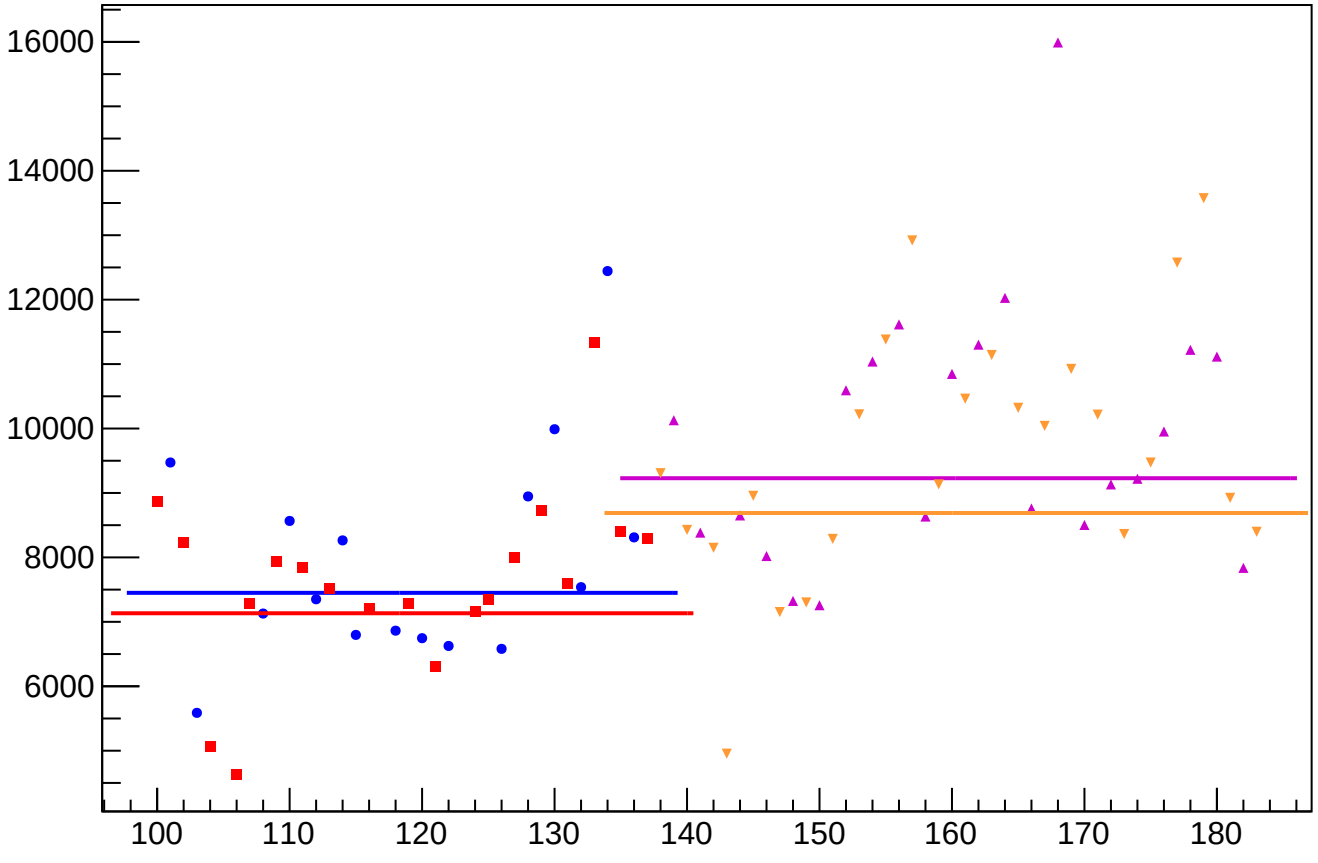
Left In: -3045.481+/-2214.365 χ^2/NDF:12.9/21

+ sign 2385.697+/-1662.999 χ^2/NDF: 41.4/39

All: -144.993+/-1192.541 χ^2/NDF: 74.0/80

- sign -2824.014+/-1711.042 χ^2/NDF: 27.8/40

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8689.234+/-1.454 χ^2/NDF:2050944.0/23

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

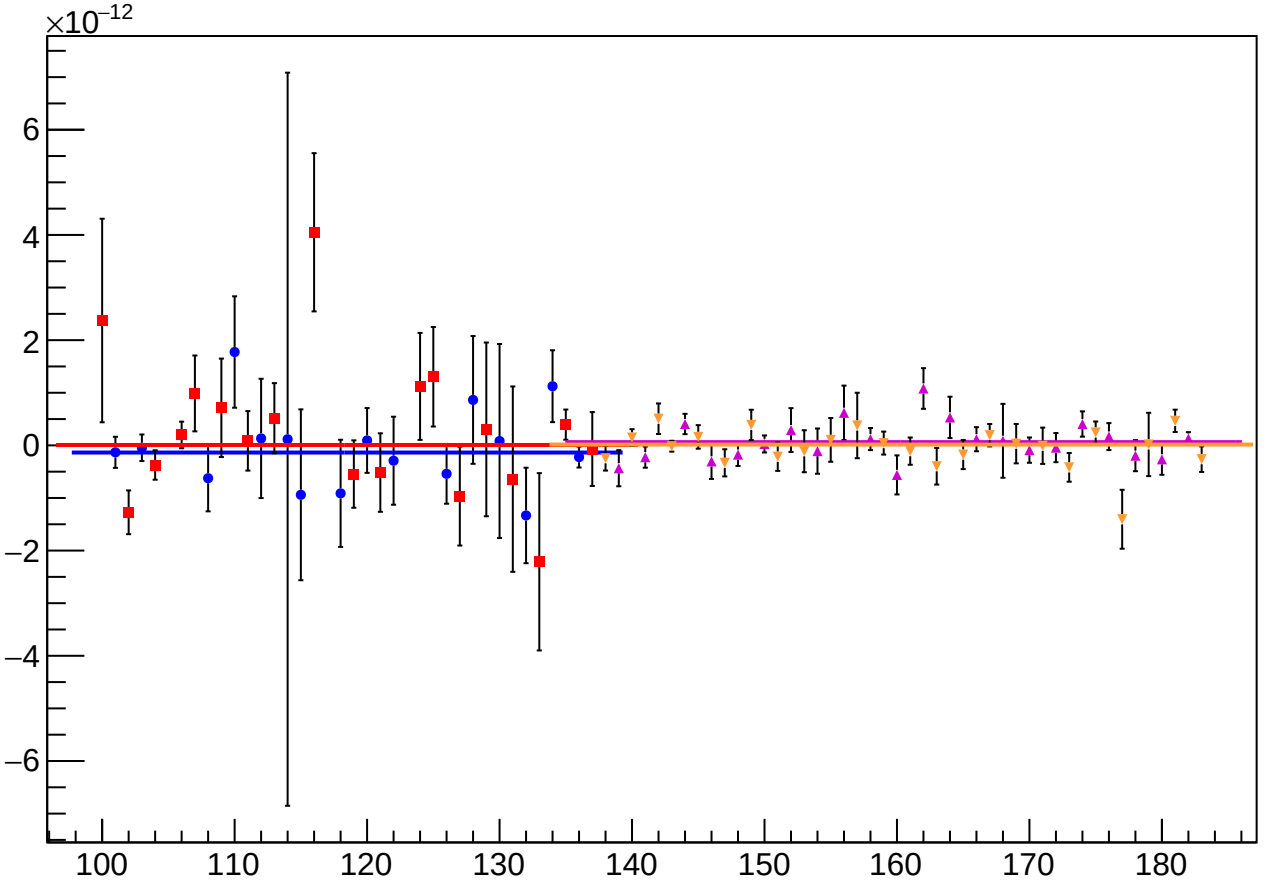
Left In: 9228.823+/-1.566 χ^2/NDF:1115094.1/21

+ sign 8260.975+/-1.176 χ^2/NDF: 2788543.4/39

All: 8320.894+/-0.843 χ^2/NDF: 5187851.7/80

- sign 8384.322+/-1.210 χ^2/NDF: 2393963.3/40

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

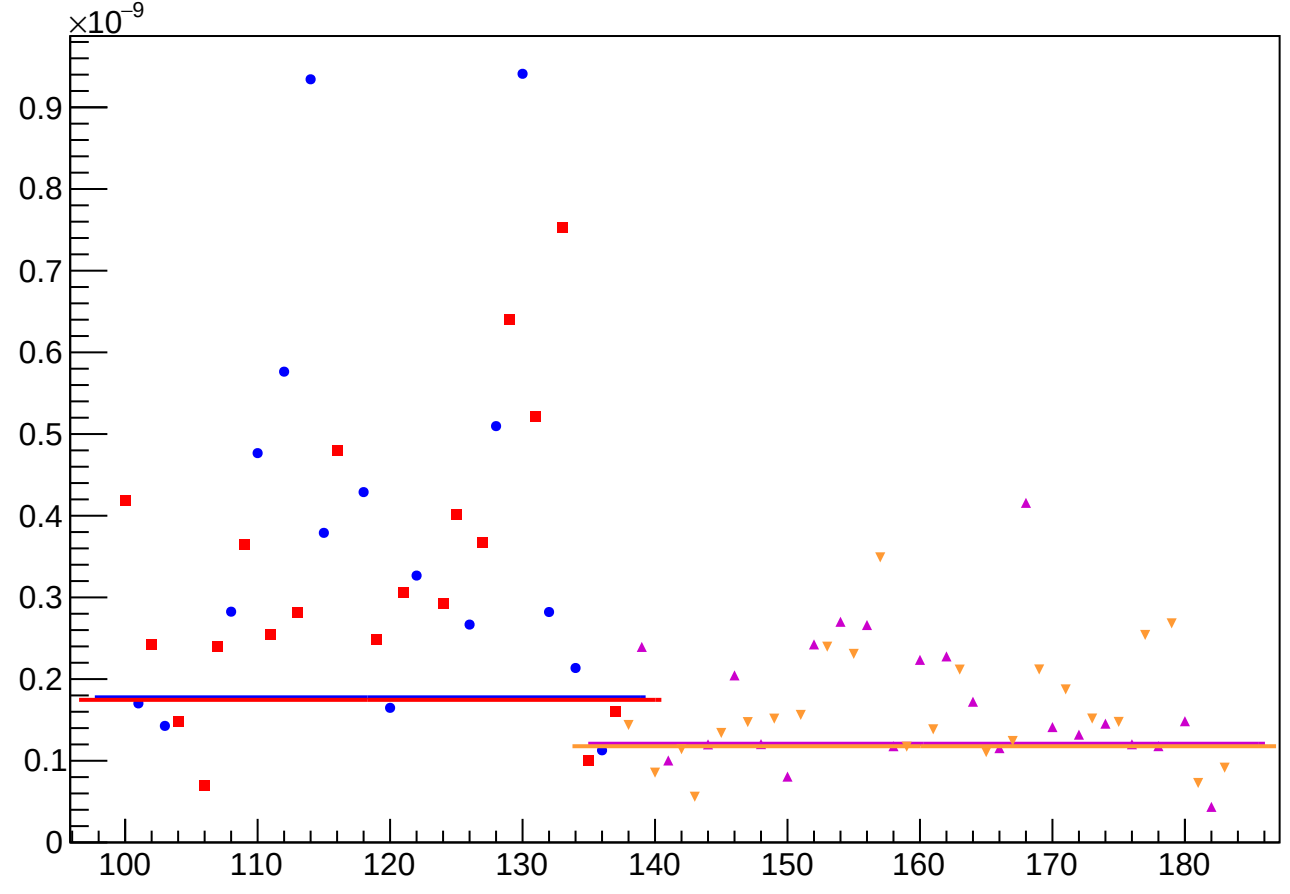
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:27.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/39

All: 0.000+/-0.000 χ^2/NDF: 103.2/80

- sign 0.000+/-0.000 χ^2/NDF: 60.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2334851.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

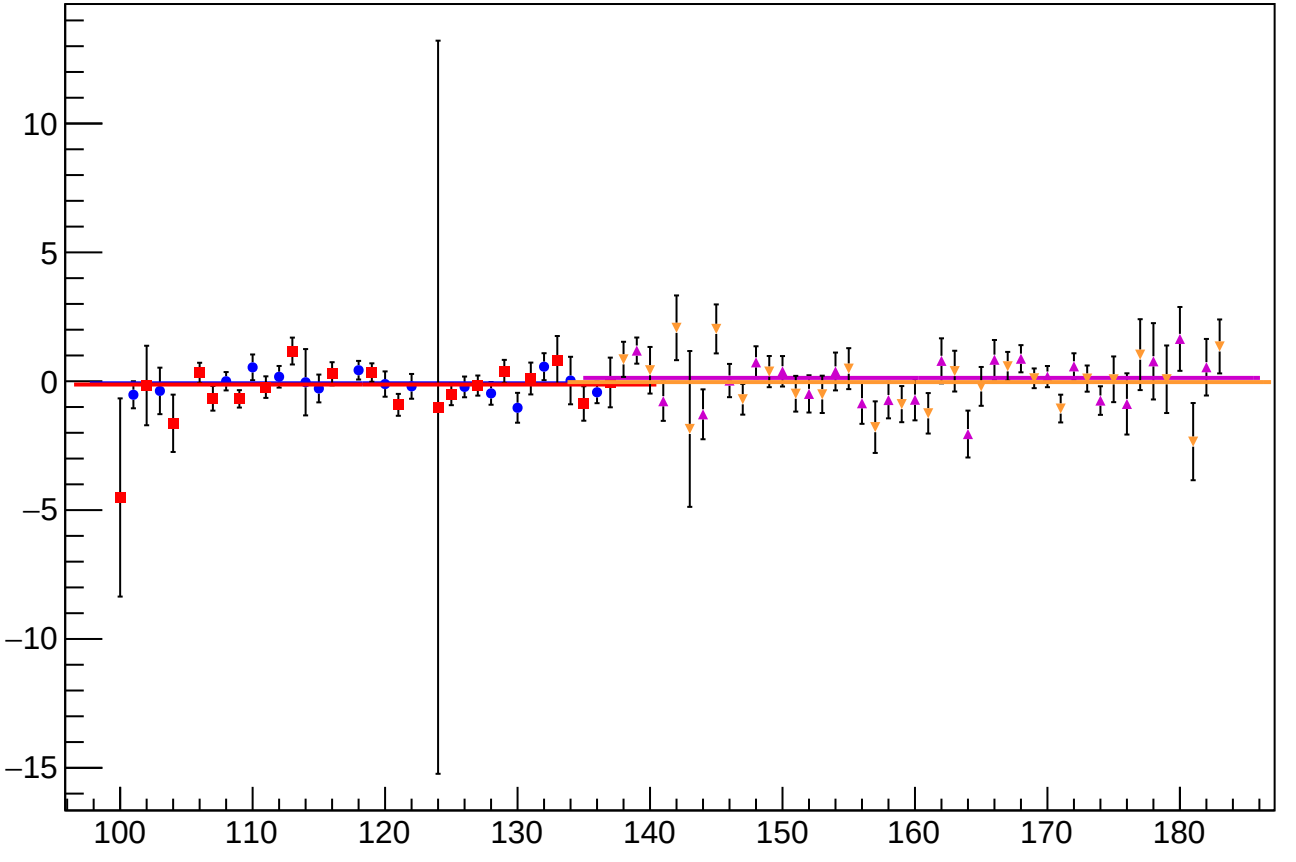
Left In: 0.000+/-0.000 χ^2/NDF:2628559.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 4291987.7/39

All: 0.000+/-0.000 χ^2/NDF: 8887878.0/80

- sign 0.000+/-0.000 χ^2/NDF: 4592416.1/40

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

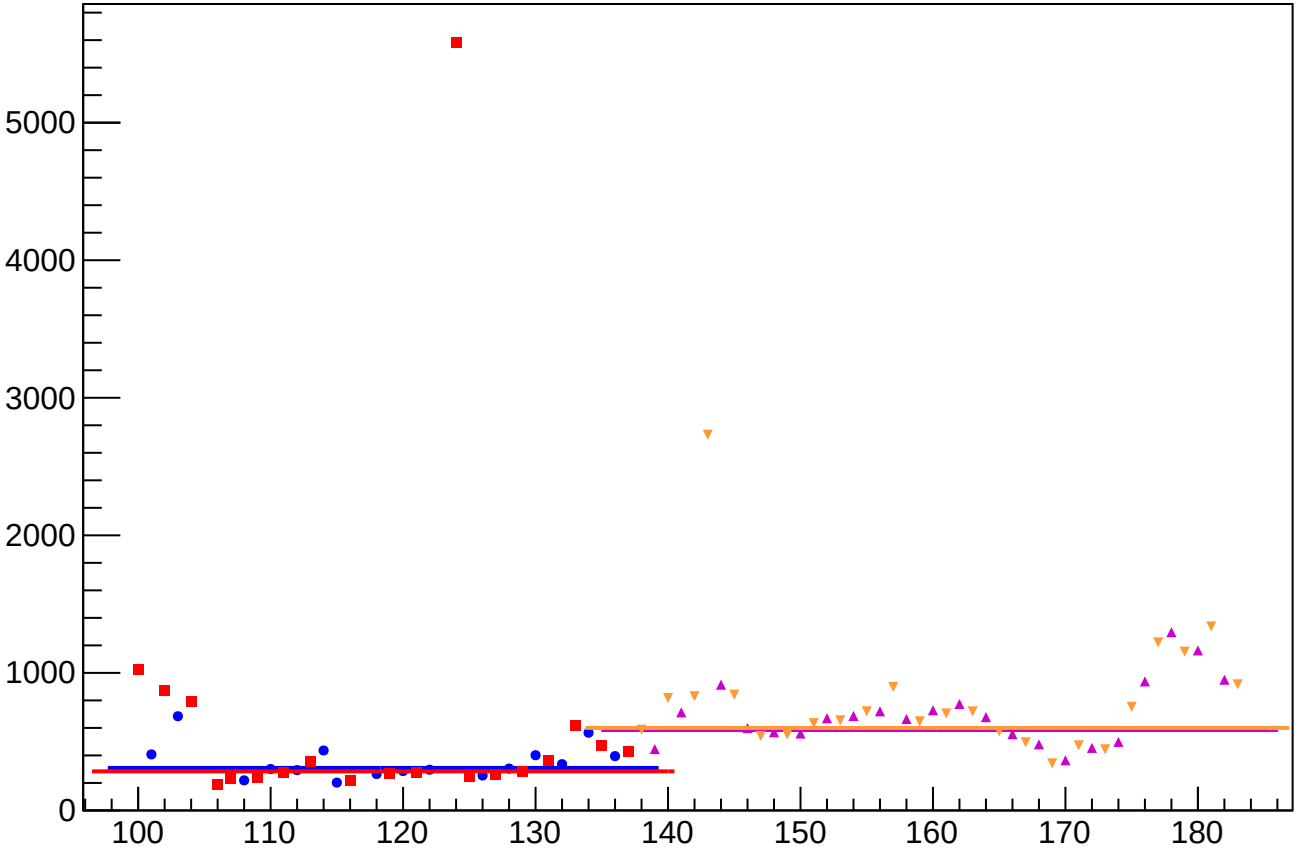
Left In: 0.130+/-0.146 χ^2/NDF:29.0/21

+ sign -0.061+/-0.094 χ^2/NDF: 40.7/39

All: -0.043+/-0.066 χ^2/NDF: 96.9/80

- sign -0.027+/-0.091 χ^2/NDF: 56.2/40

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 599.884+/-0.105 χ^2/NDF:4445459.0/23

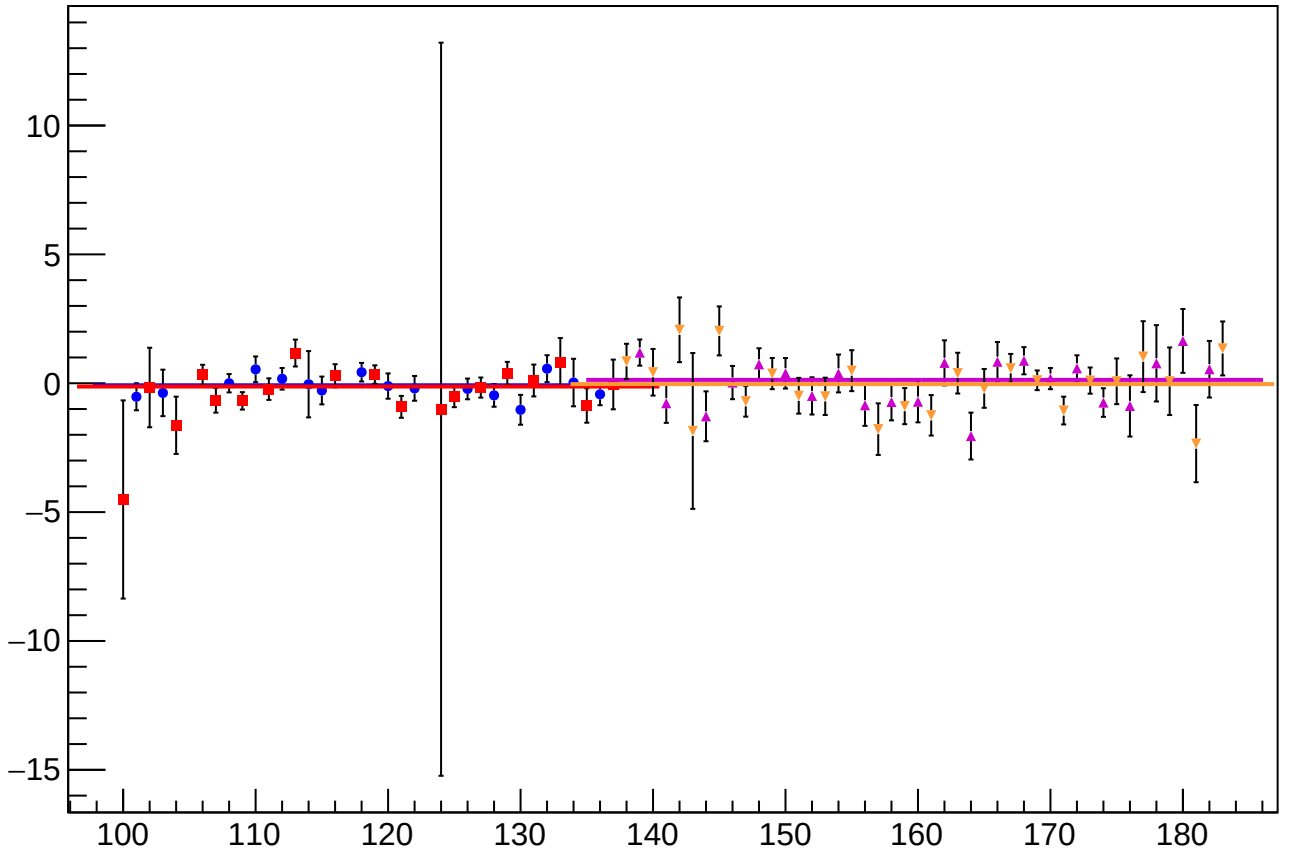
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 584.968+/-0.103 χ^2/NDF:2904579.1/21

+ sign 426.294+/-0.067 χ^2/NDF: 10049662.9/39

All: 413.621+/-0.046 χ^2/NDF: 20053634.5/80

- sign 401.718+/-0.065 χ^2/NDF: 9933712.1/40



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

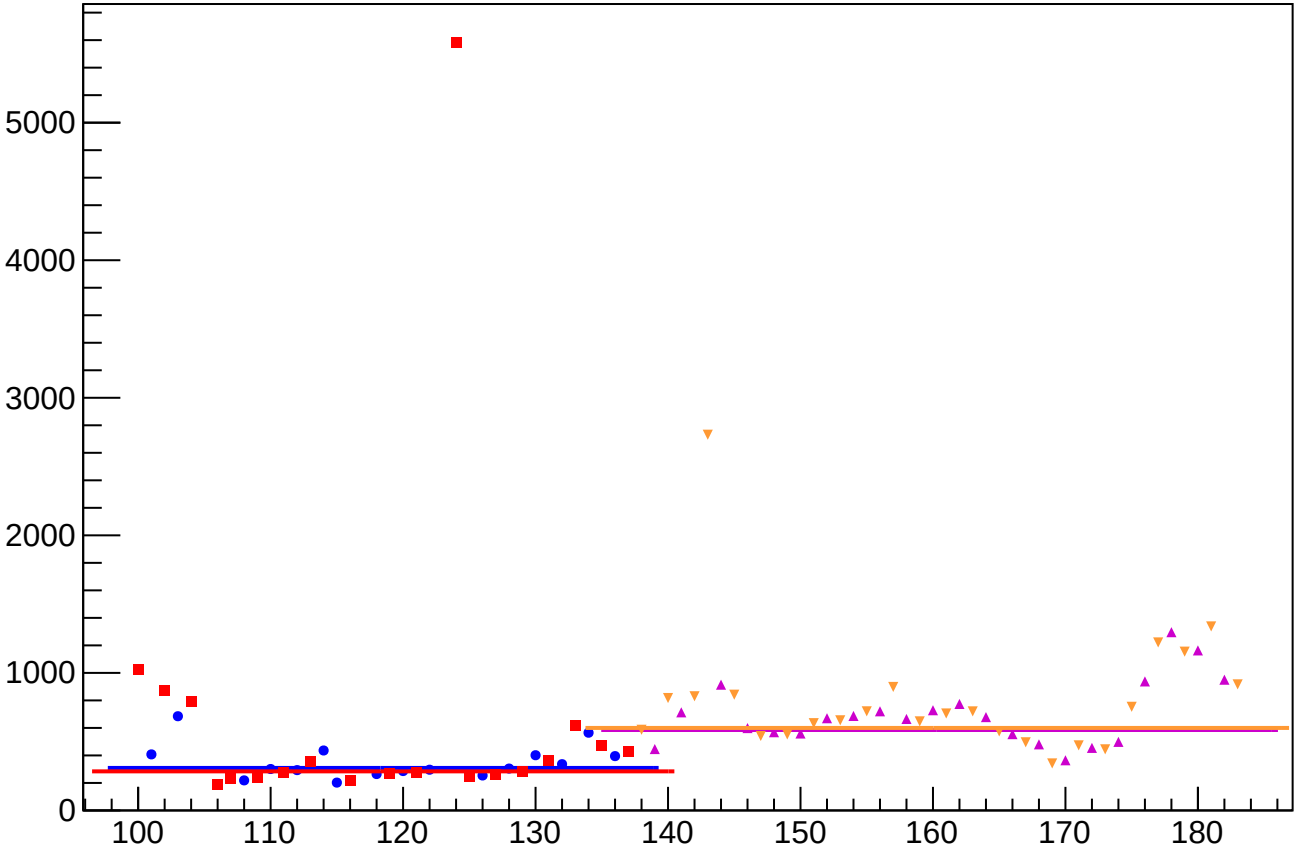
Left In: 0.130+/-0.146 χ^2/NDF:29.0/21

+ sign -0.061+/-0.094 χ^2/NDF: 40.7/39

All: -0.043+/-0.066 χ^2/NDF: 96.9/80

- sign -0.027+/-0.091 χ^2/NDF: 56.2/40

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 599.884+/-0.105 χ^2/NDF:4445459.0/23

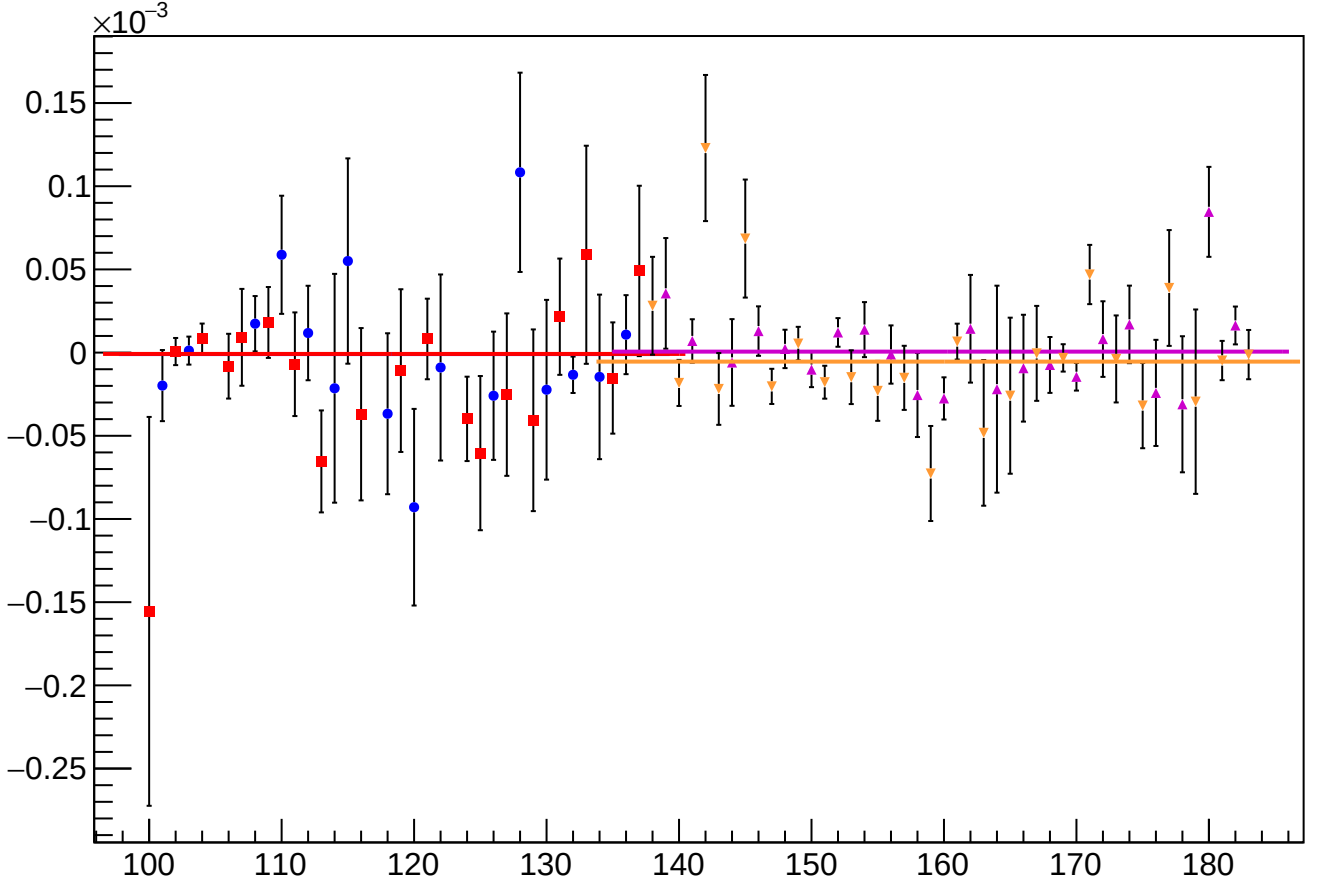
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 584.968+/-0.103 χ^2/NDF:2904579.1/21

+ sign 426.294+/-0.067 χ^2/NDF: 10049662.9/39

All: 413.621+/-0.046 χ^2/NDF: 20053634.5/80

- sign 401.718+/-0.065 χ^2/NDF: 9933712.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.5/23

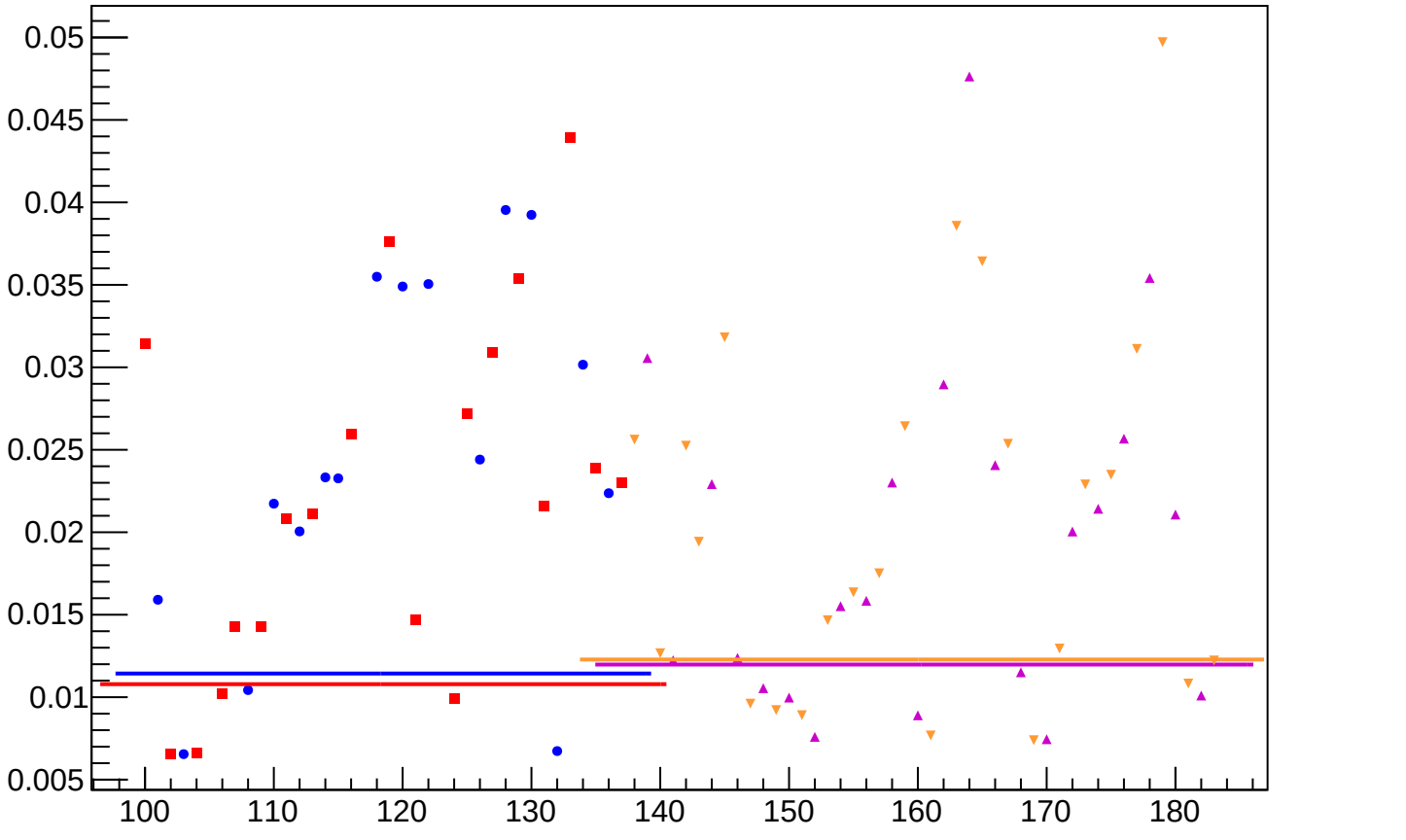
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

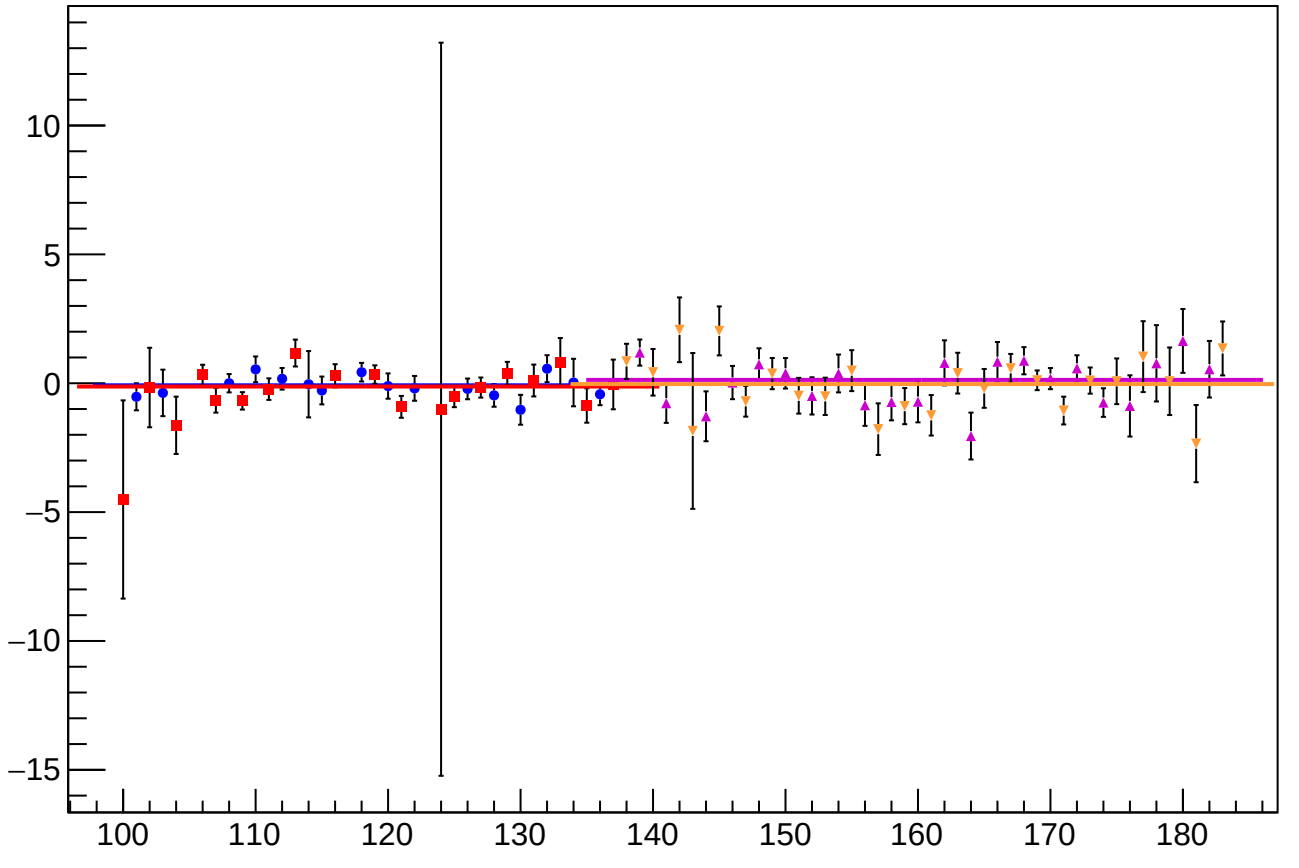
Left In: 0.000+/-0.000 χ^2/NDF:28.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/39

All: -0.000+/-0.000 χ^2/NDF: 102.9/80

- sign 0.000+/-0.000 χ^2/NDF: 45.1/40


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug
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
170
180
Right In: 0.011+/-0.000 χ²/NDF: 4699938.2/15
Left Out: 0.012+/-0.000 χ²/NDF:7729091.4/23
Right Out: 0.011+/-0.000 χ²/NDF: 4473688.9/18
Left In: 0.012+/-0.000 χ²/NDF:6267743.8/21
+ sign 0.012+/-0.000 χ²/NDF: 12466177.0/39
All: 0.012+/-0.000 χ²/NDF: 23317029.9/80
- sign 0.012+/-0.000 χ²/NDF: 10824107.9/40



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

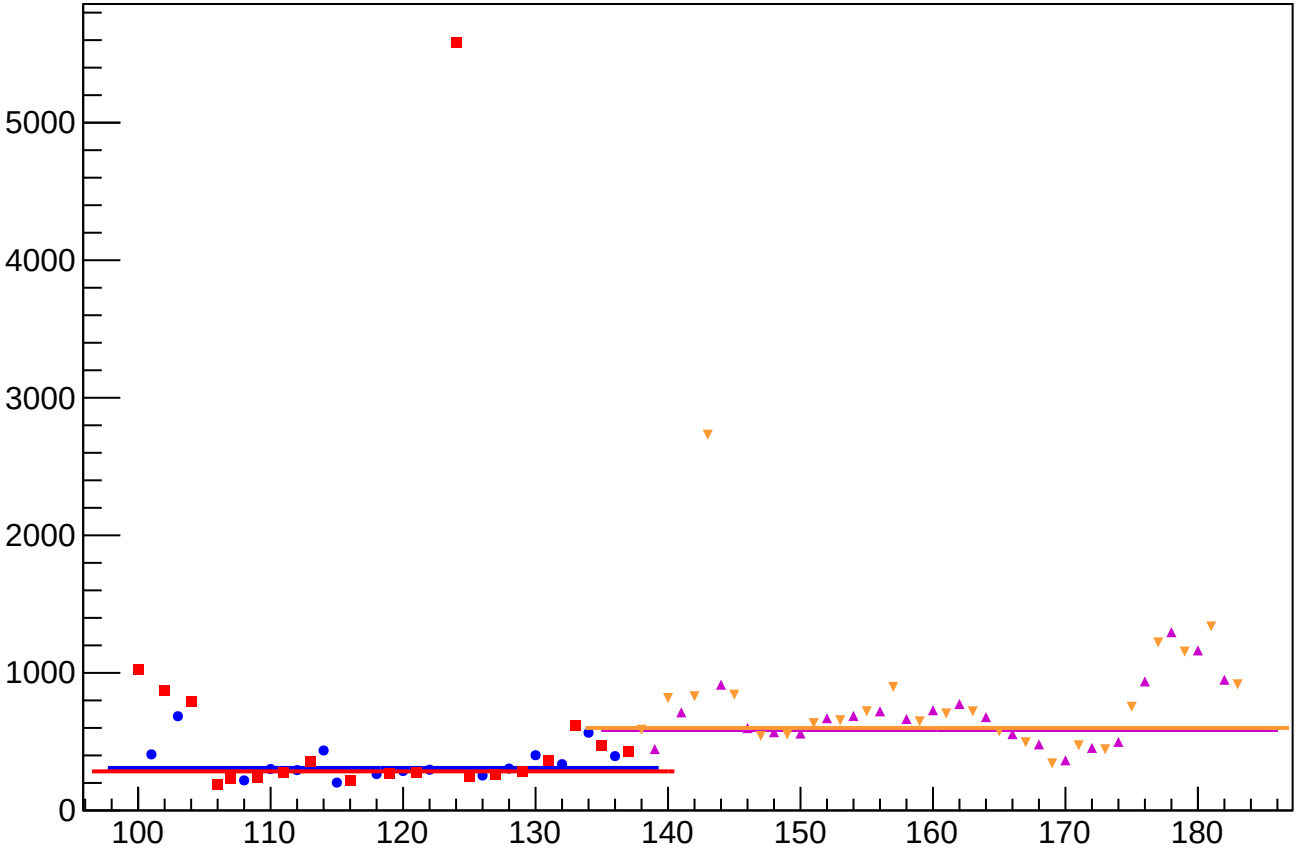
Left In: 0.130+/-0.146 χ^2/NDF:29.0/21

+ sign -0.061+/-0.094 χ^2/NDF: 40.7/39

All: -0.043+/-0.066 χ^2/NDF: 96.9/80

- sign -0.027+/-0.091 χ^2/NDF: 56.2/40

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 599.884+/-0.105 χ^2/NDF:4445660.8/23

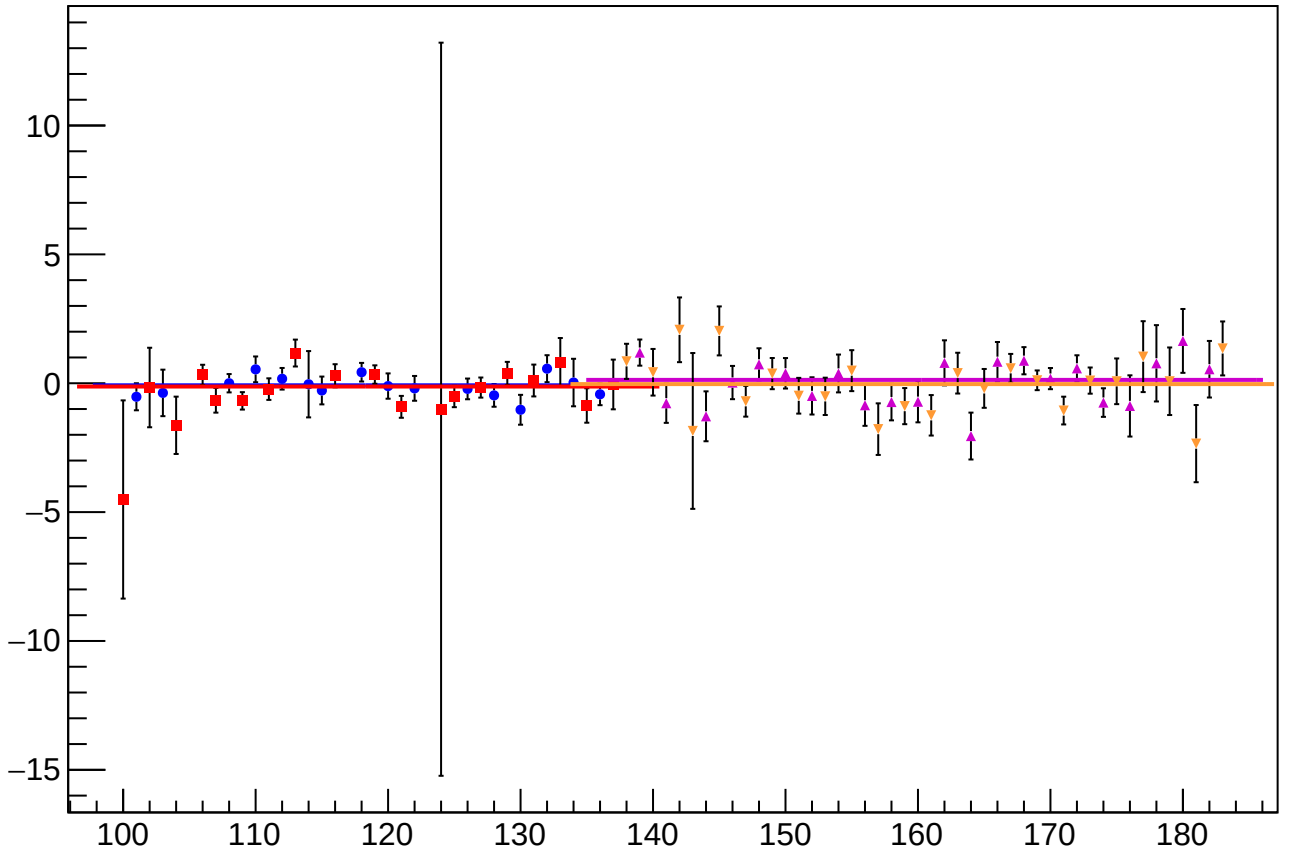
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 584.971+/-0.103 χ^2/NDF:2904702.5/21

+ sign 426.293+/-0.067 χ^2/NDF: 10049854.8/39

All: 413.620+/-0.046 χ^2/NDF: 20054015.6/80

- sign 401.717+/-0.065 χ^2/NDF: 9933904.6/40



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

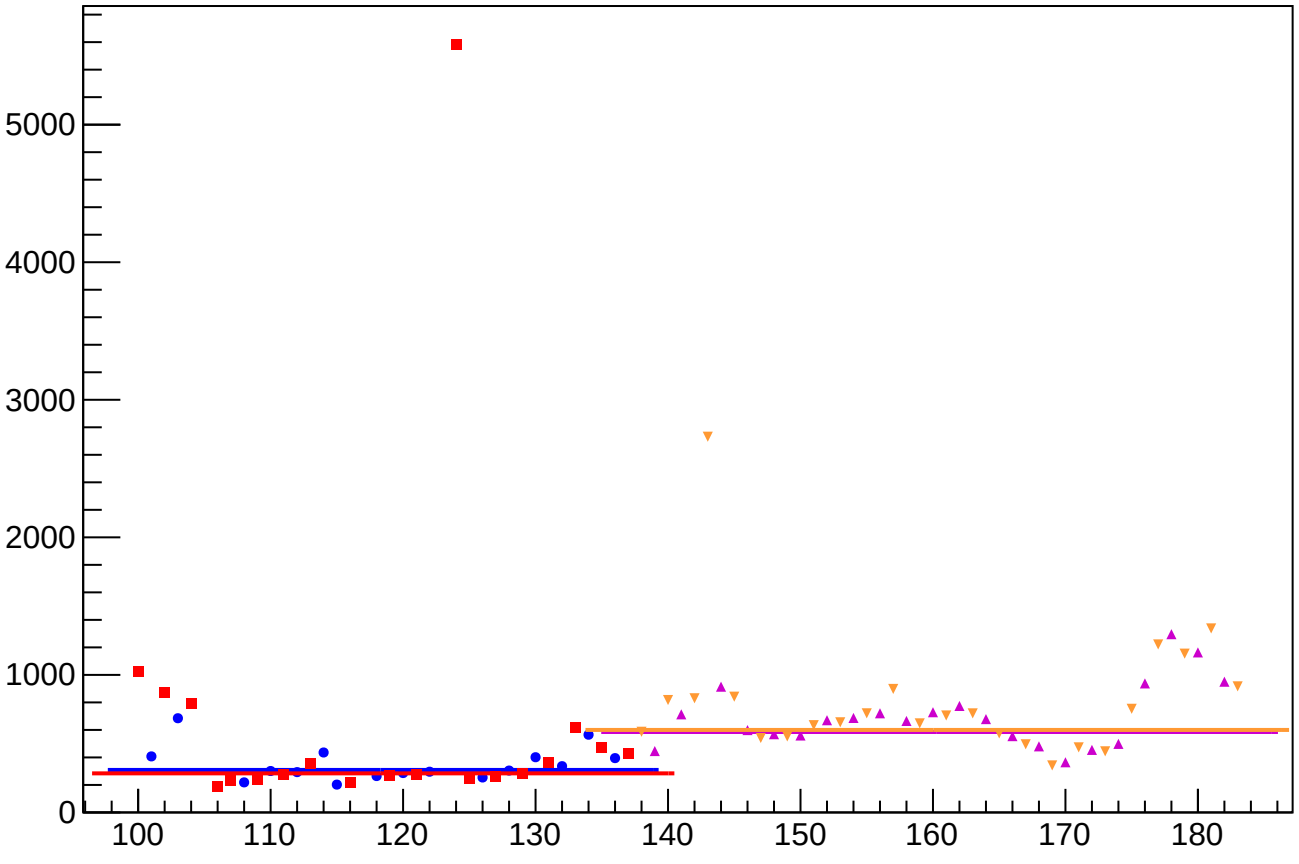
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.130+/-0.146 χ^2/NDF:29.0/21

+ sign -0.061+/-0.094 χ^2/NDF: 40.7/39

All: -0.043+/-0.066 χ^2/NDF: 96.9/80

- sign -0.027+/-0.091 χ^2/NDF: 56.2/40



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 599.884+/-0.105 χ^2/NDF:4445660.8/23

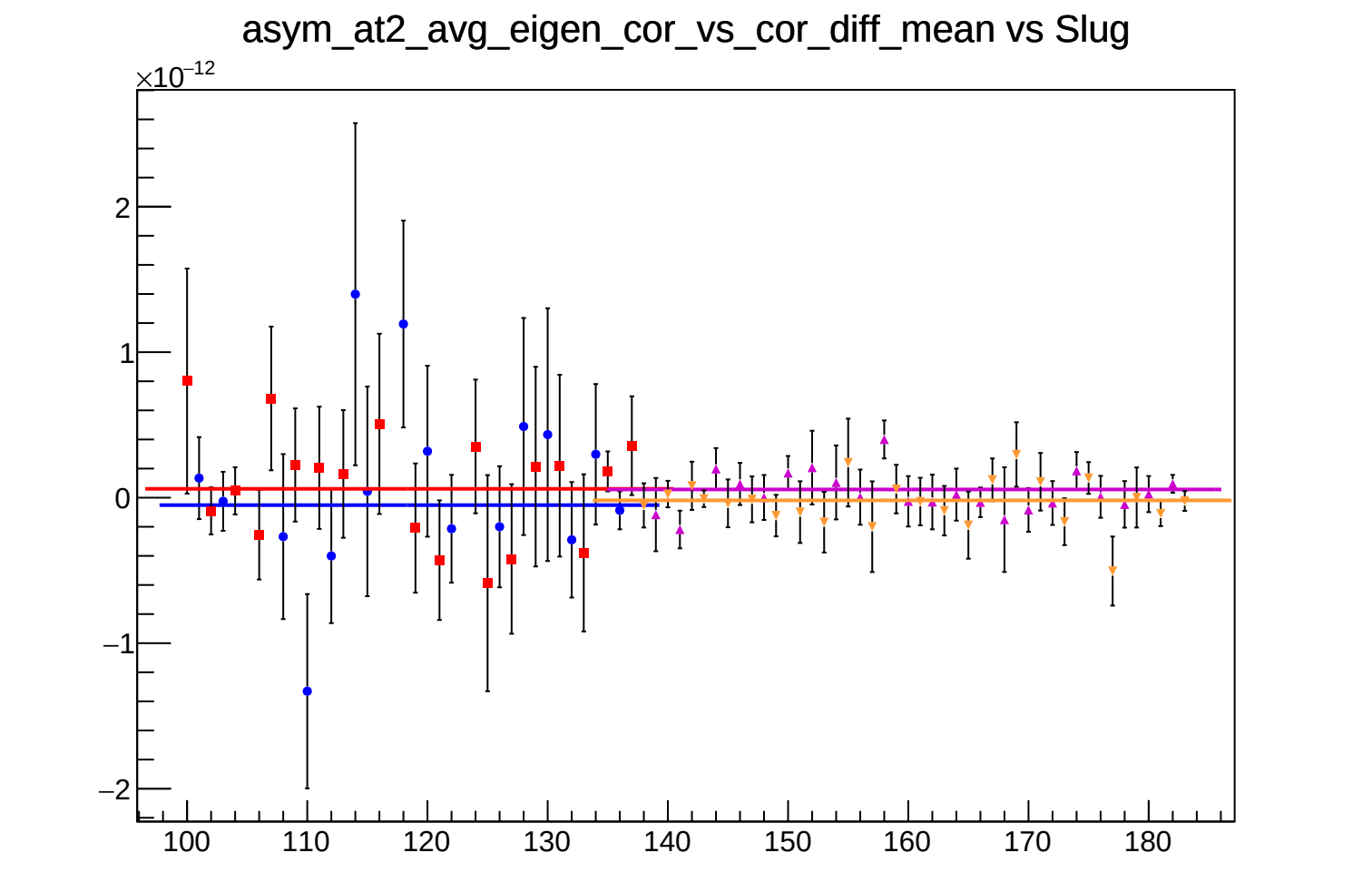
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 584.971+/-0.103 χ^2/NDF:2904702.5/21

+ sign 426.293+/-0.067 χ^2/NDF: 10049854.8/39

All: 413.620+/-0.046 χ^2/NDF: 20054015.6/80

- sign 401.717+/-0.065 χ^2/NDF: 9933904.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

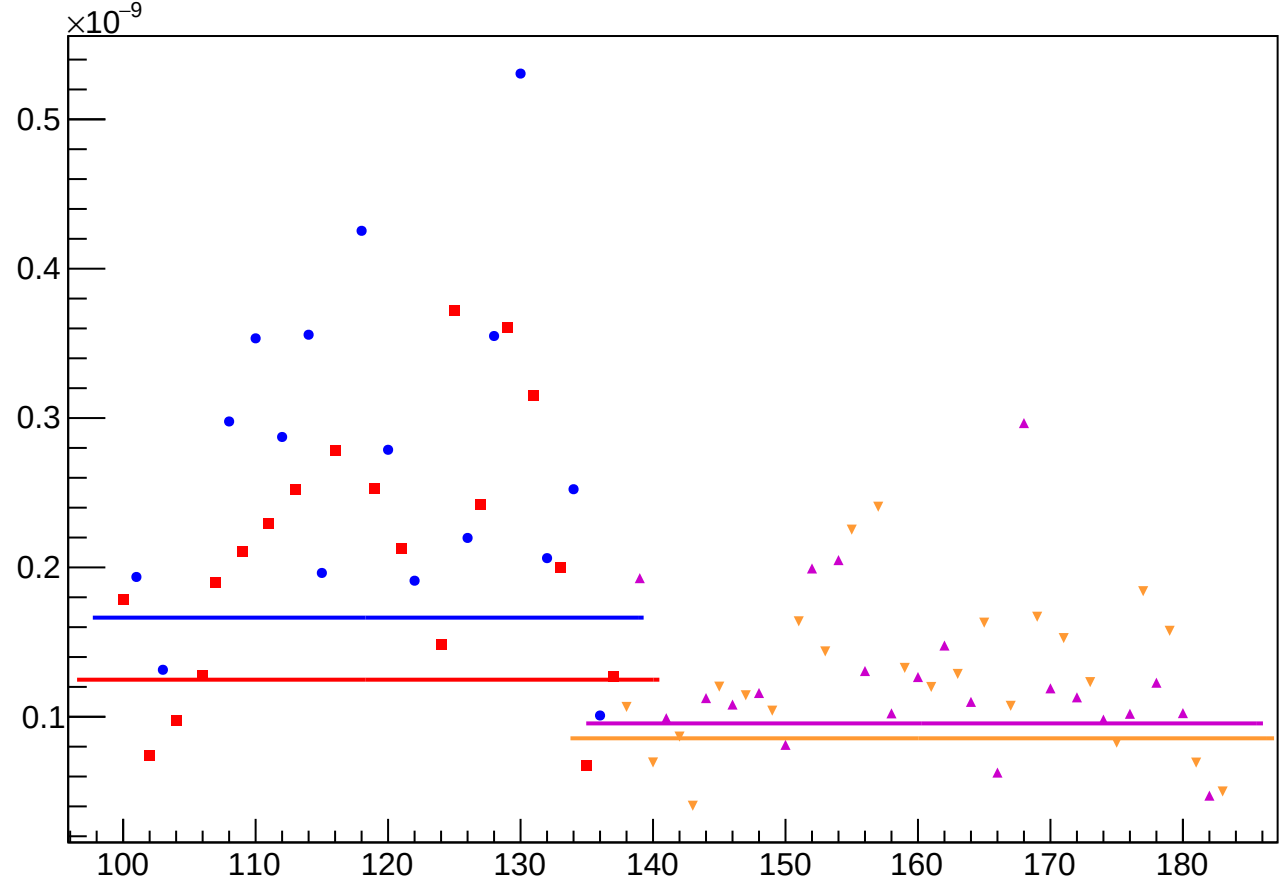
Left In: 0.000+/-0.000 χ^2/NDF:19.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/39

All: 0.000+/-0.000 χ^2/NDF: 62.7/80

- sign 0.000+/-0.000 χ^2/NDF: 30.7/40

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5332942.7/23

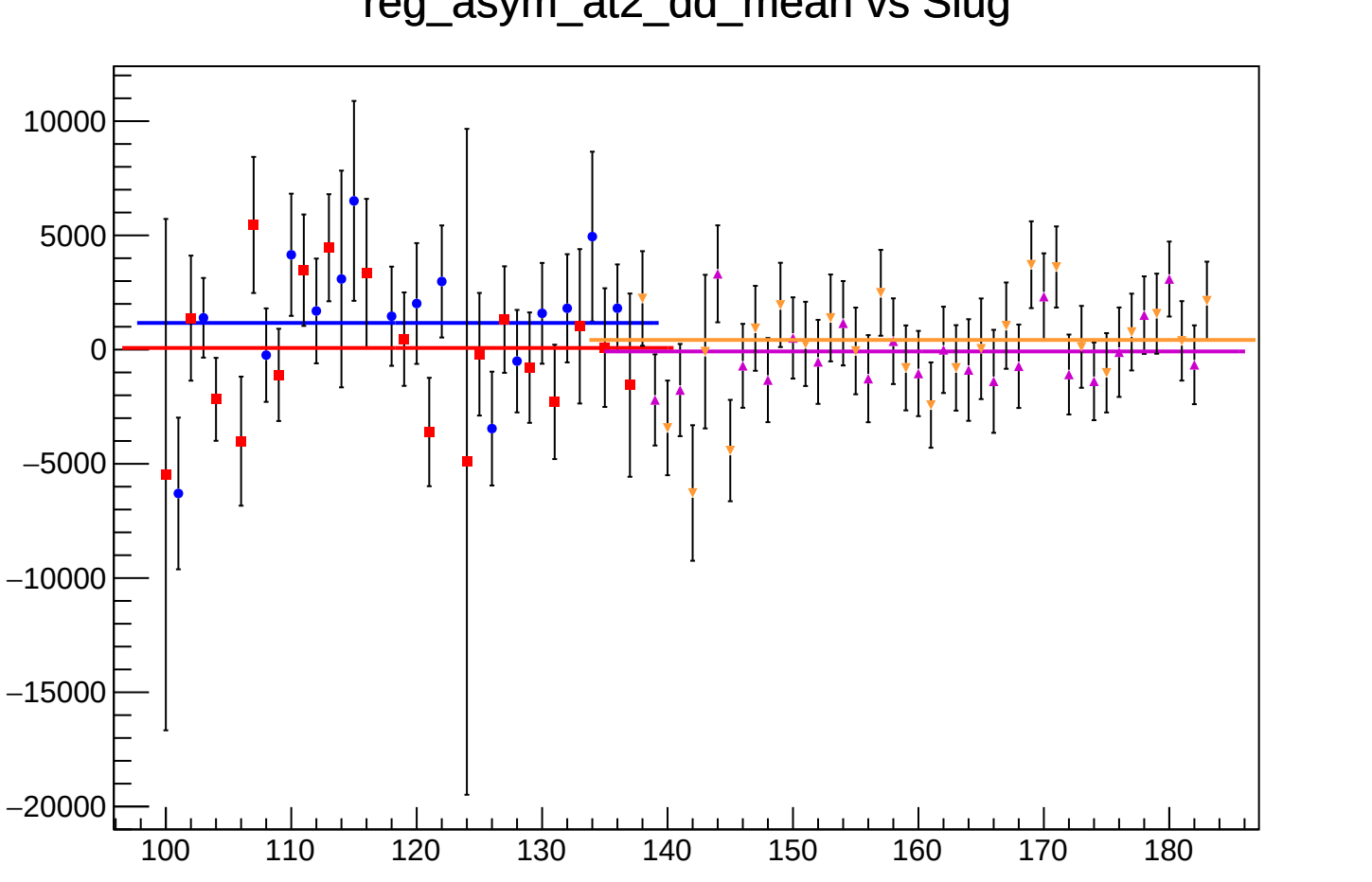
Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3635474.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 8983524.0/39

All: 0.000+/-0.000 χ^2/NDF: 15199993.6/80

- sign 0.000+/-0.000 χ^2/NDF: 6142450.9/40



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 422.532+/-391.507 χ^2/NDF:28.2/23

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

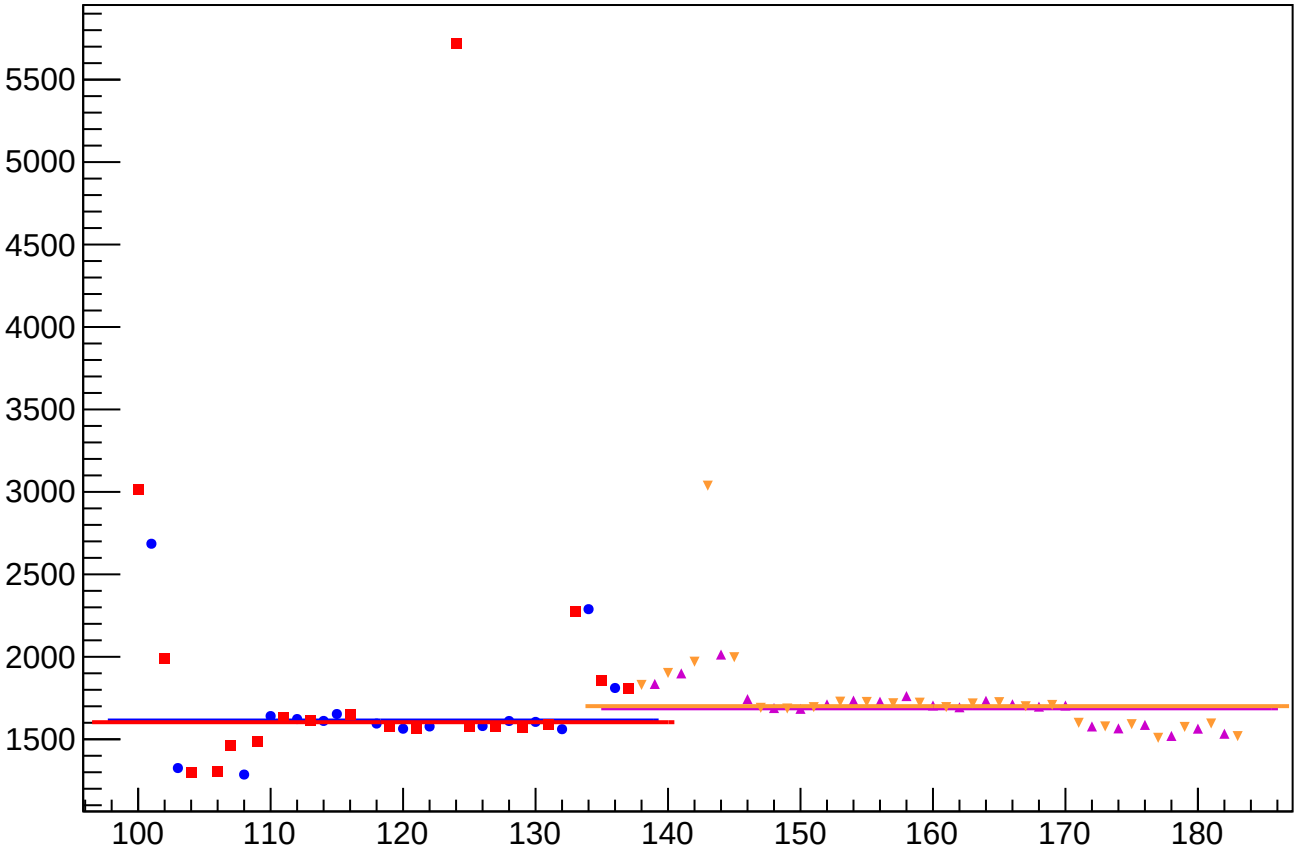
Left In: -80.445+/-398.204 χ^2/NDF:14.2/21

+ sign 640.107+/-329.353 χ^2/NDF: 43.7/39

All: 306.038+/-233.939 χ^2/NDF: 78.2/80

- sign -34.137+/-332.348 χ^2/NDF: 32.5/40

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1700.794+/-0.277 χ^2/NDF:487130.4/23

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

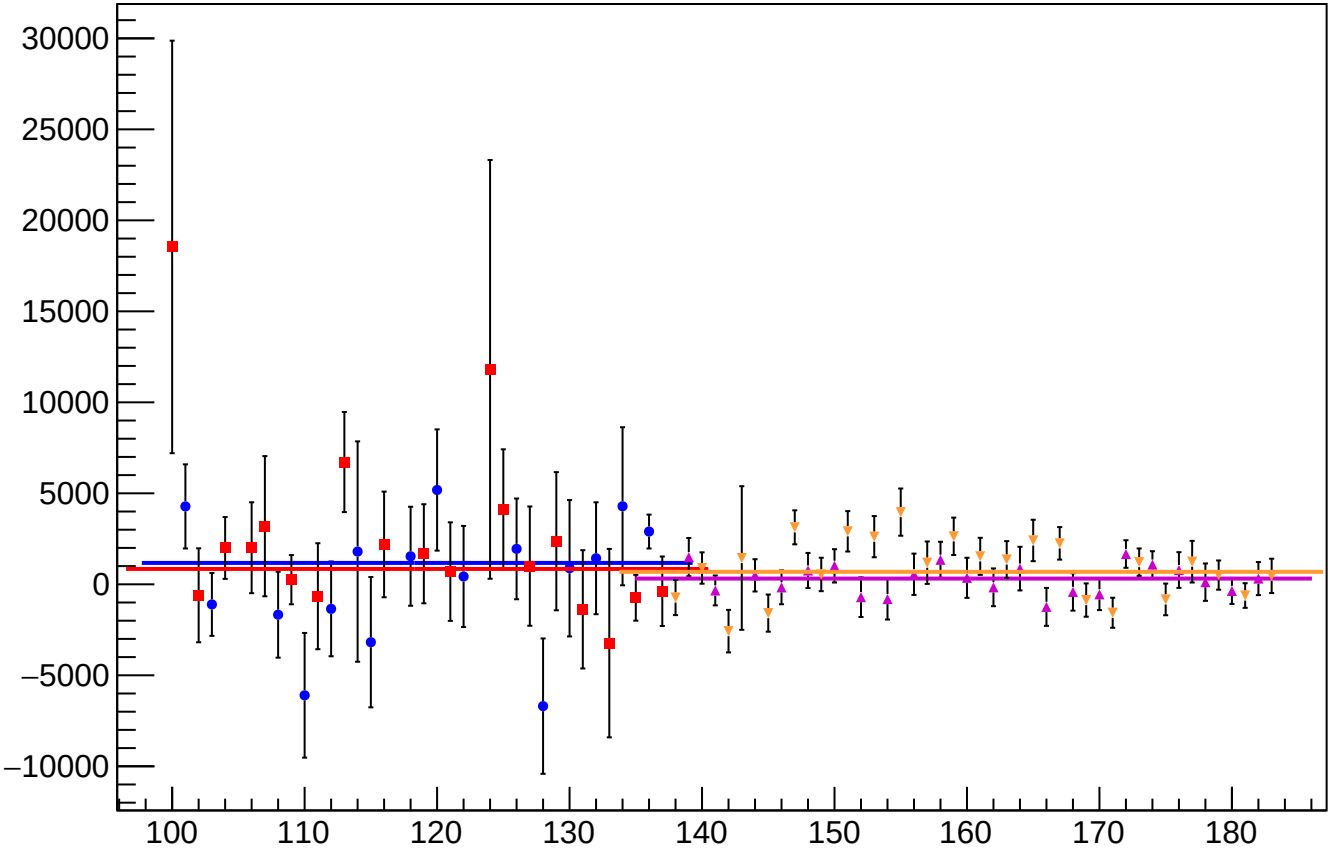
Left In: 1687.651+/-0.282 χ^2/NDF:159312.2/21

+ sign 1675.328+/-0.233 χ^2/NDF: 920767.9/39

All: 1668.778+/-0.165 χ^2/NDF: 1534593.3/80

- sign 1662.108+/-0.235 χ^2/NDF: 612228.8/40

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 685.112+/-197.176 χ^2/NDF:63.3/23

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

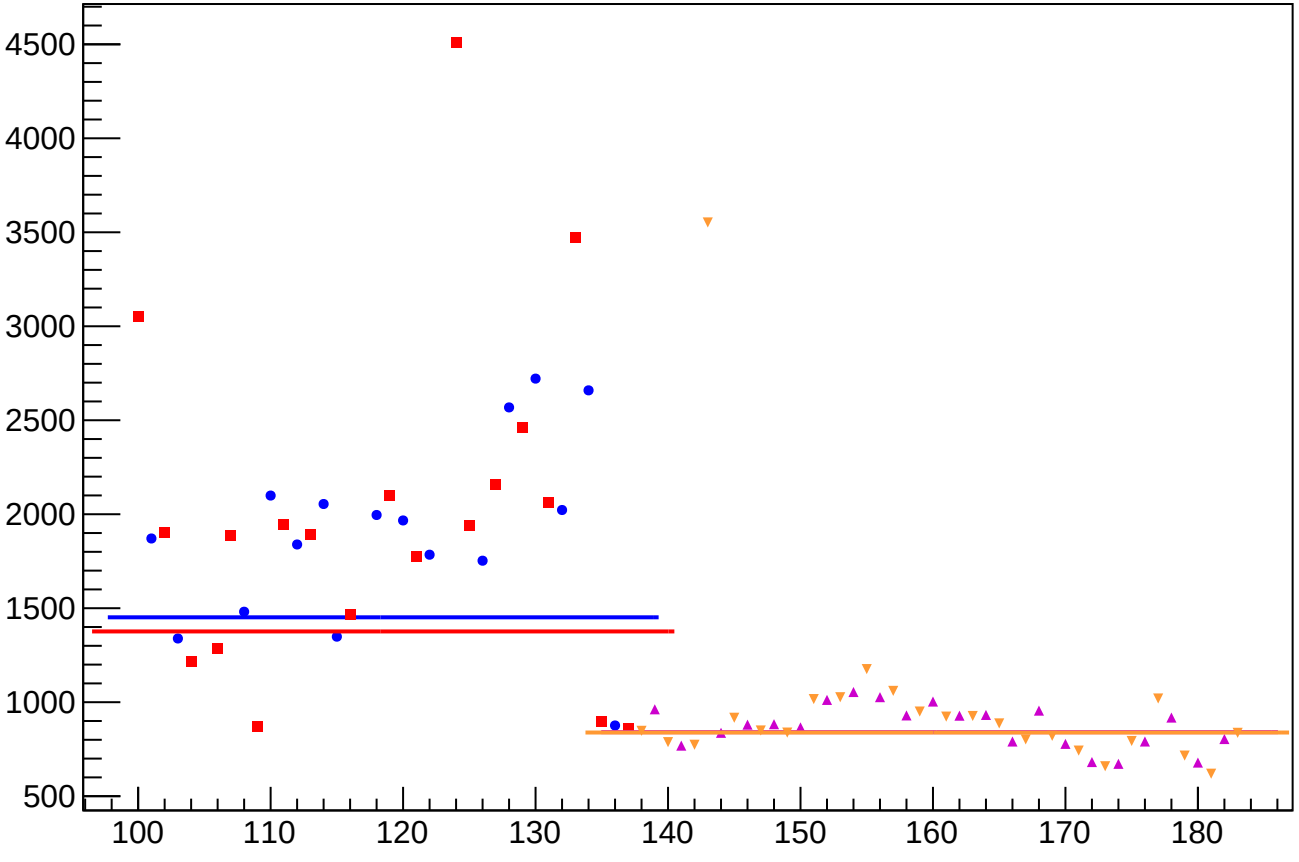
Left In: 315.096+/-200.335 χ^2/NDF:15.6/21

+ sign 736.061+/-186.652 χ^2/NDF: 86.0/39

All: 557.624+/-132.642 χ^2/NDF: 118.5/80

- sign 375.578+/-188.530 χ^2/NDF: 30.7/40

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 838.731+/-0.139 χ^2/NDF:1799440.1/23

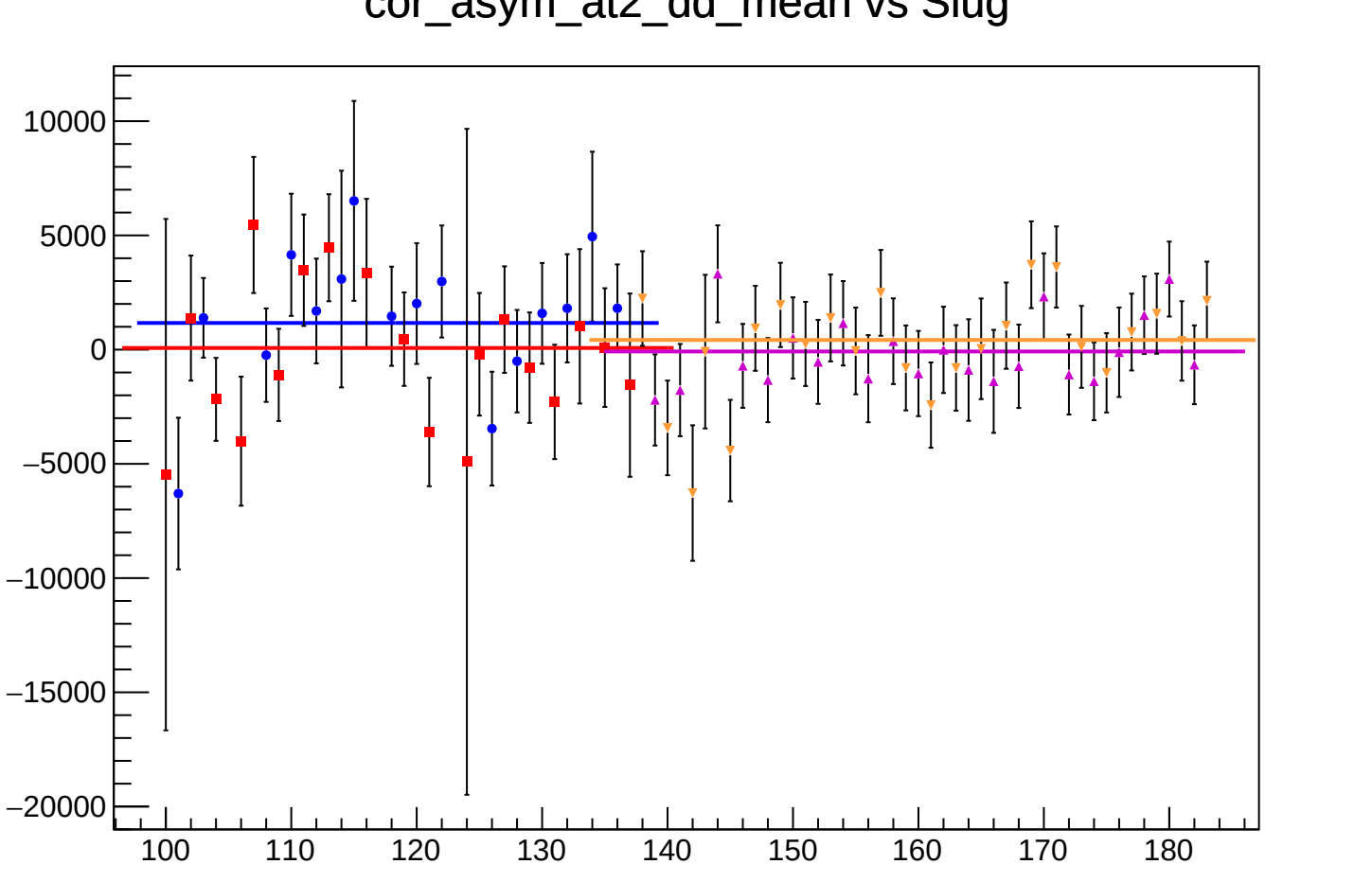
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 840.740+/-0.142 χ^2/NDF:667752.0/21

+ sign 902.411+/-0.132 χ^2/NDF: 5598060.8/39

All: 902.217+/-0.094 χ^2/NDF: 10033831.1/80

- sign 902.019+/-0.133 χ^2/NDF: 4435766.0/40



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 422.458+/-391.507 χ^2/NDF:28.2/23

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

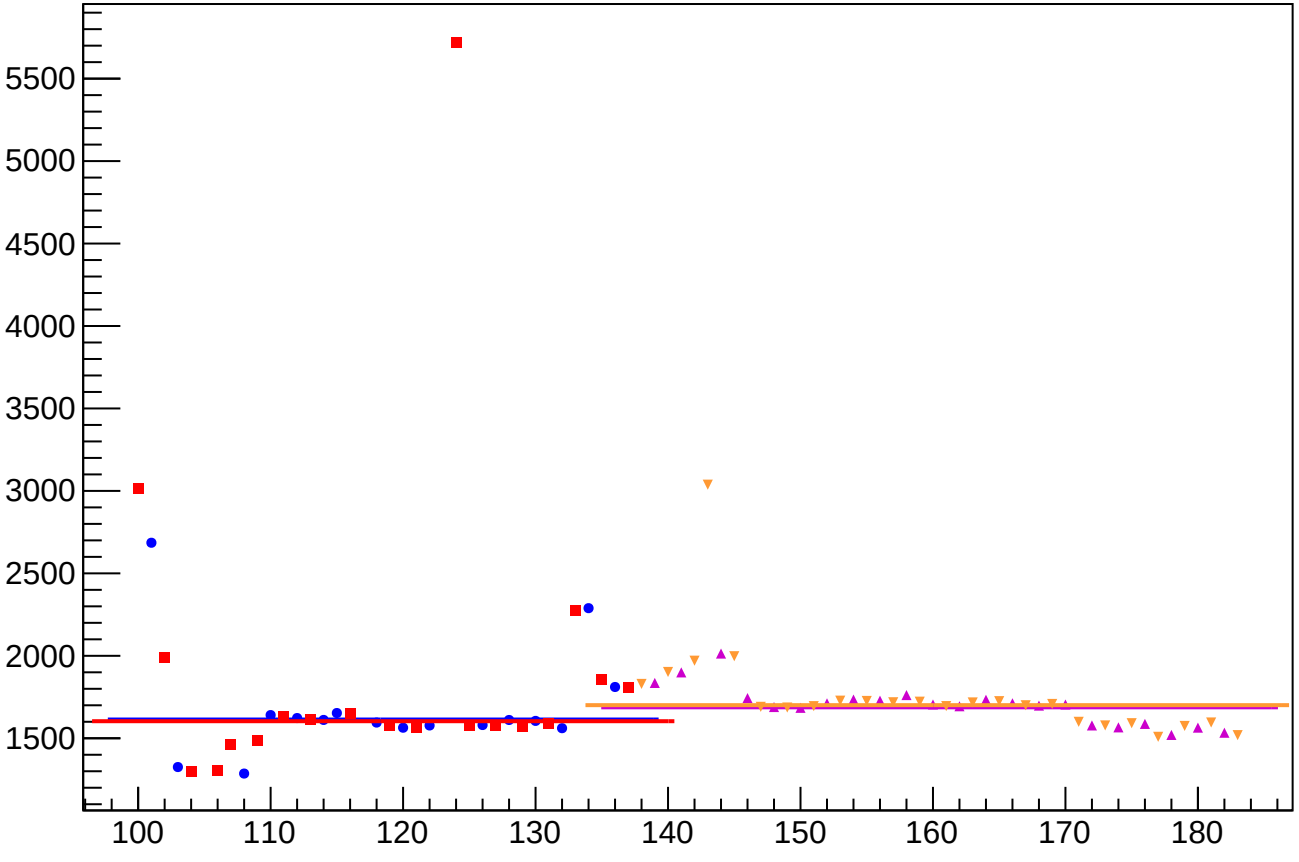
Left In: -80.376+/-398.204 χ^2/NDF:14.2/21

+ sign 640.027+/-329.353 χ^2/NDF: 43.7/39

All: 306.069+/-233.939 χ^2/NDF: 78.2/80

- sign -33.992+/-332.348 χ^2/NDF: 32.5/40

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1700.794+/-0.277 χ^2/NDF:487130.4/23

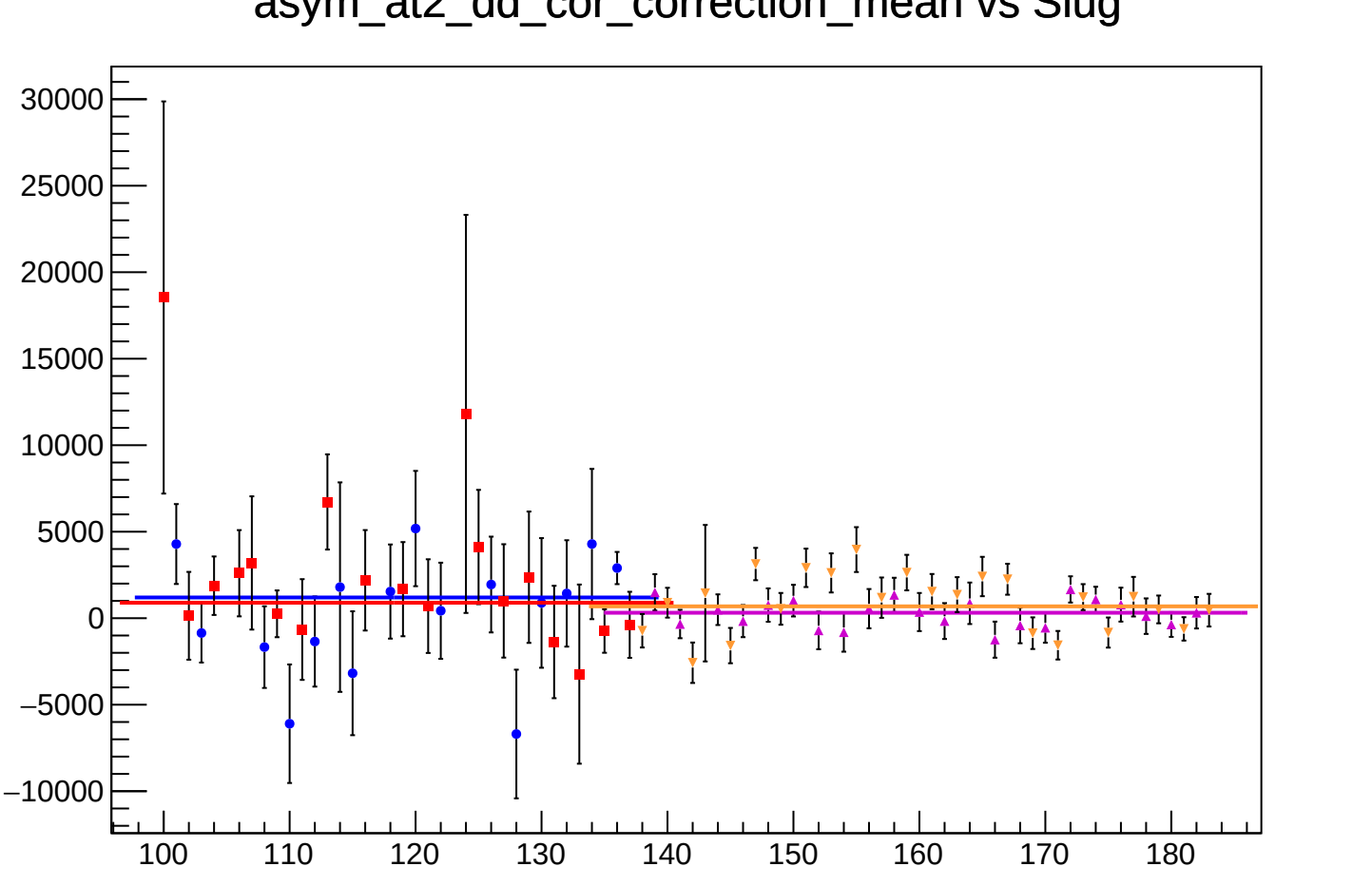
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1687.651+/-0.282 χ^2/NDF:159312.2/21

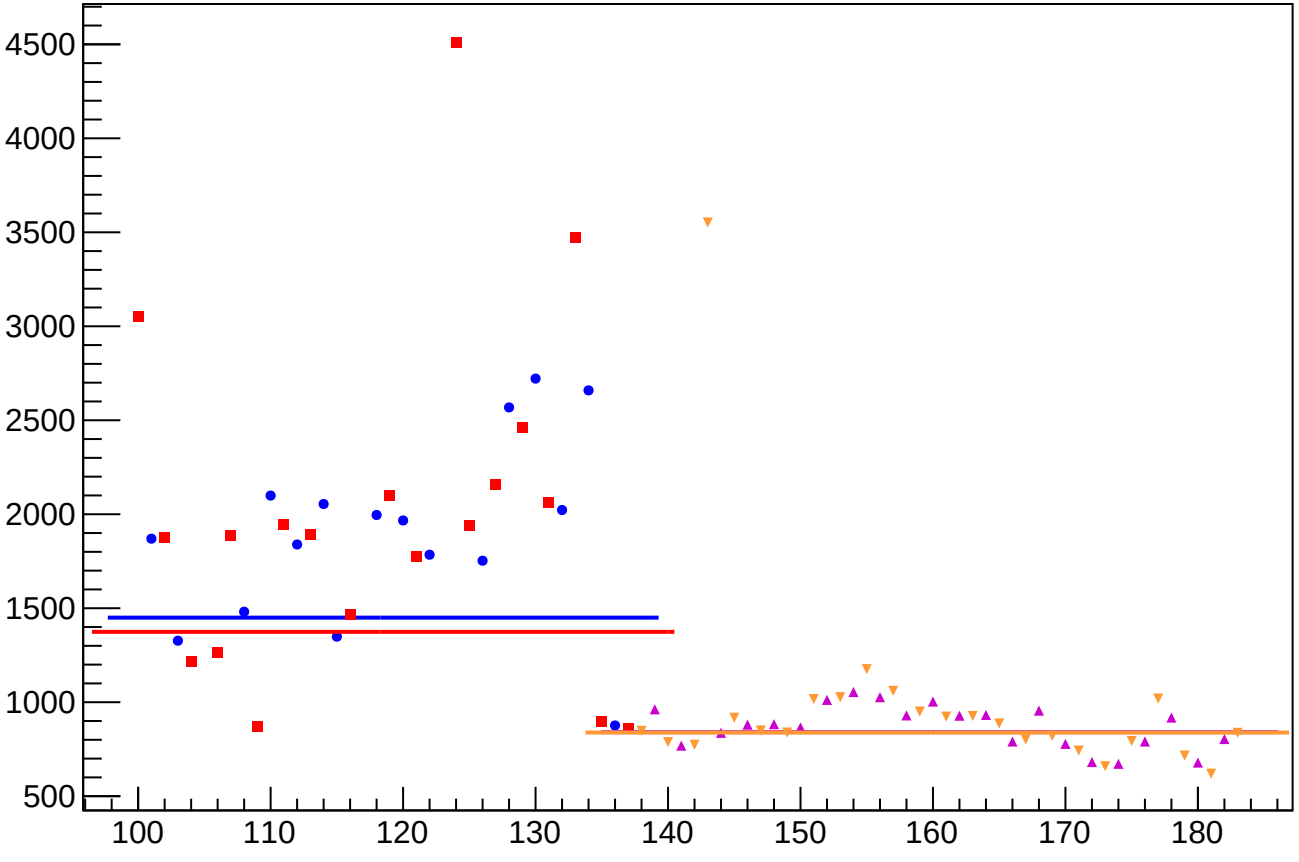
+ sign 1675.328+/-0.233 χ^2/NDF: 920768.2/39

All: 1668.778+/-0.165 χ^2/NDF: 1534593.7/80

- sign 1662.108+/-0.235 χ^2/NDF: 612228.9/40


asym_at2_dd_cor_correction_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 1198.338+/-578.240 χ²/NDF: 21.7/15
Left Out: 685.116+/-197.178 χ²/NDF:63.3/23
Right Out: 895.463+/-556.666 χ²/NDF: 14.2/18
Left In: 315.076+/-200.336 χ²/NDF:15.6/21
+ sign 738.577+/-186.626 χ²/NDF: 85.7/39
All: 561.885+/-132.622 χ²/NDF: 118.3/80
- sign 381.626+/-188.500 χ²/NDF: 30.8/40

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.742+/-0.139 χ^2/NDF:1799332.4/23

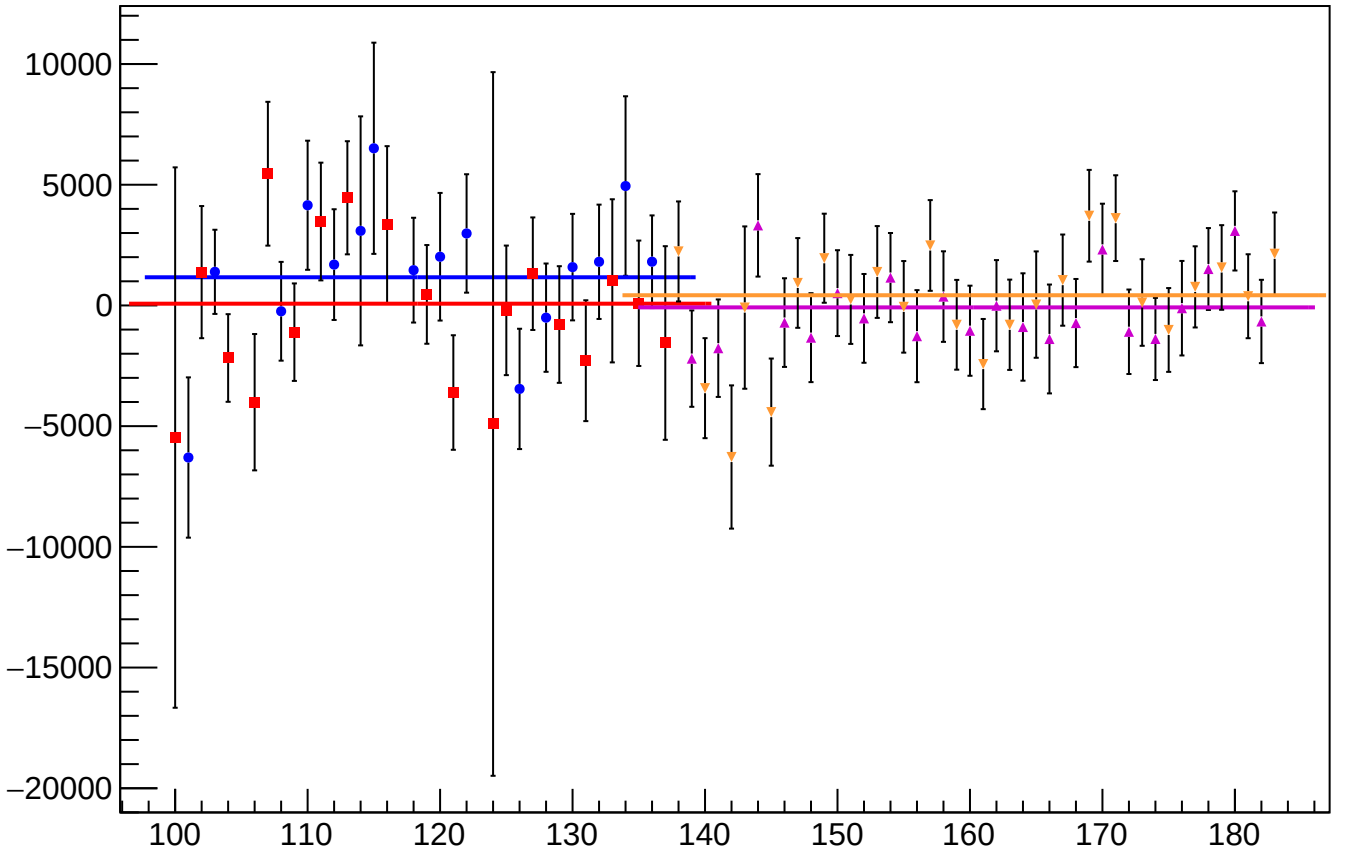
Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 840.742+/-0.142 χ^2/NDF:667748.8/21

+ sign 902.408+/-0.132 χ^2/NDF: 5593720.7/39

All: 902.176+/-0.094 χ^2/NDF: 10016721.0/80

- sign 901.939+/-0.133 χ^2/NDF: 4422994.1/40



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 422.458+/-391.507 χ^2/NDF:28.2/23

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

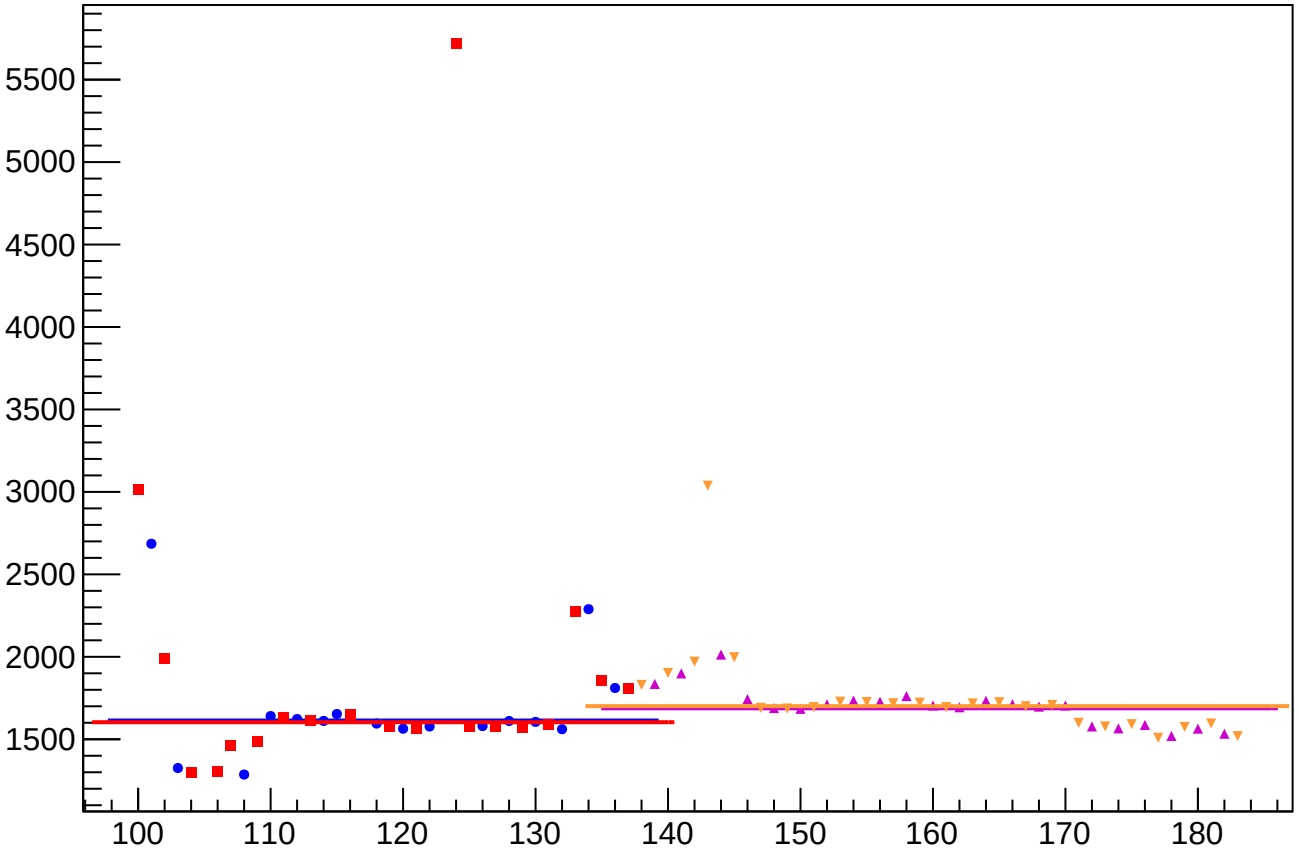
Left In: -80.376+/-398.204 χ^2/NDF:14.2/21

+ sign 640.027+/-329.353 χ^2/NDF: 43.7/39

All: 306.069+/-233.939 χ^2/NDF: 78.2/80

- sign -33.992+/-332.348 χ^2/NDF: 32.5/40

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1700.794+/-0.277 χ^2/NDF:487130.4/23

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

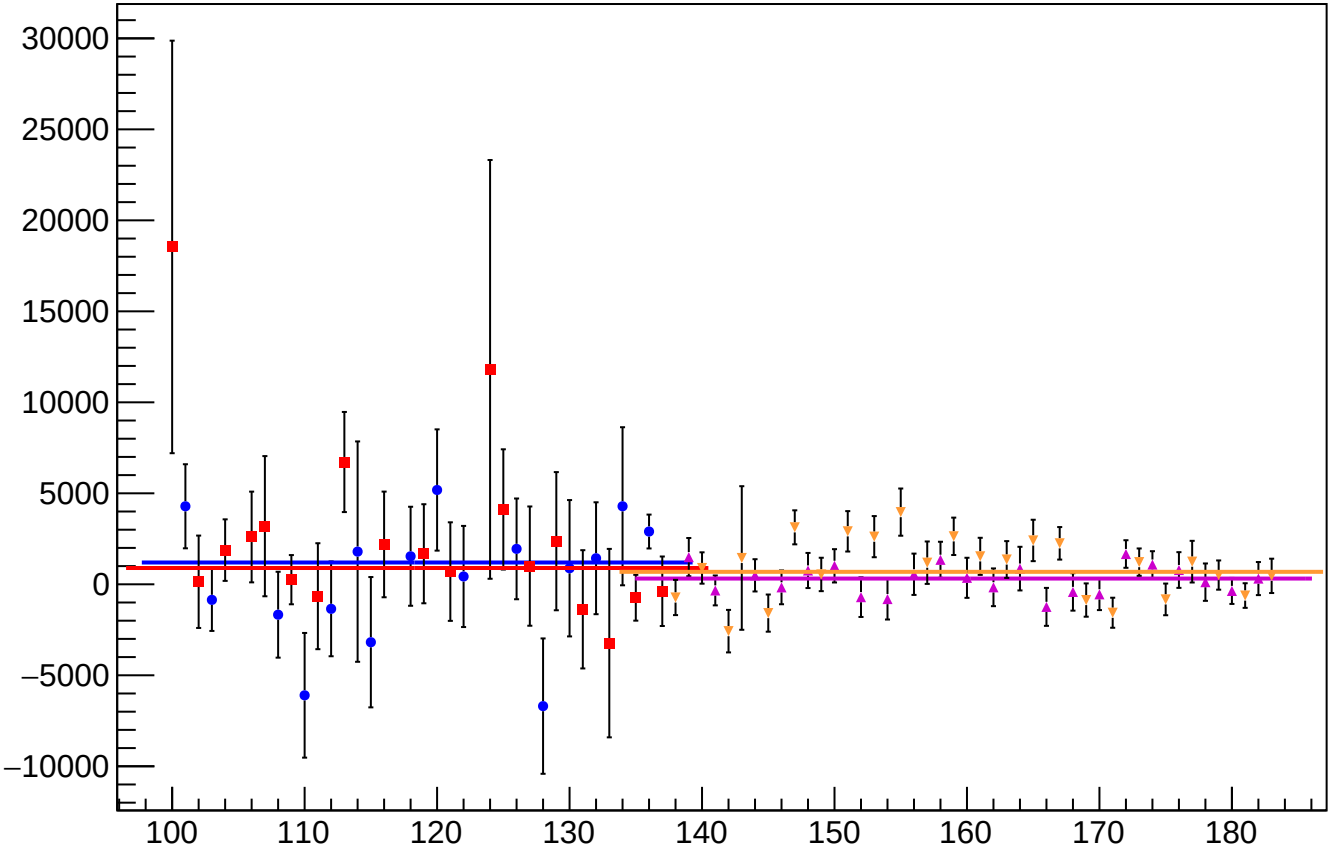
Left In: 1687.651+/-0.282 χ^2/NDF:159312.2/21

+ sign 1675.328+/-0.233 χ^2/NDF: 920768.2/39

All: 1668.778+/-0.165 χ^2/NDF: 1534593.7/80

- sign 1662.108+/-0.235 χ^2/NDF: 612228.9/40

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 685.116+/-197.178 χ^2/NDF:63.3/23

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

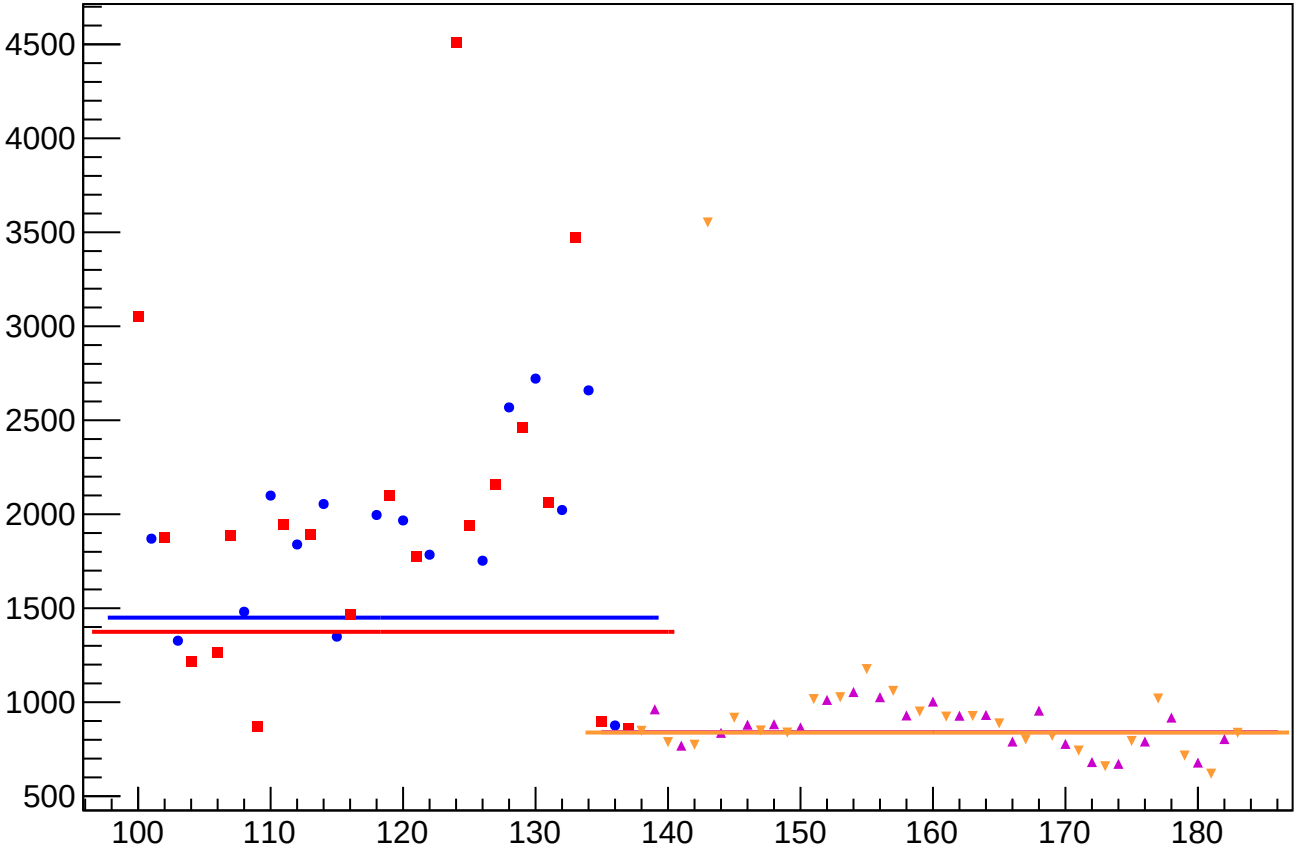
Left In: 315.076+/-200.336 χ^2/NDF:15.6/21

+ sign 738.577+/-186.626 χ^2/NDF: 85.7/39

All: 561.885+/-132.622 χ^2/NDF: 118.3/80

- sign 381.626+/-188.500 χ^2/NDF: 30.8/40

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 838.742+/-0.139 χ^2/NDF:1799332.4/23

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

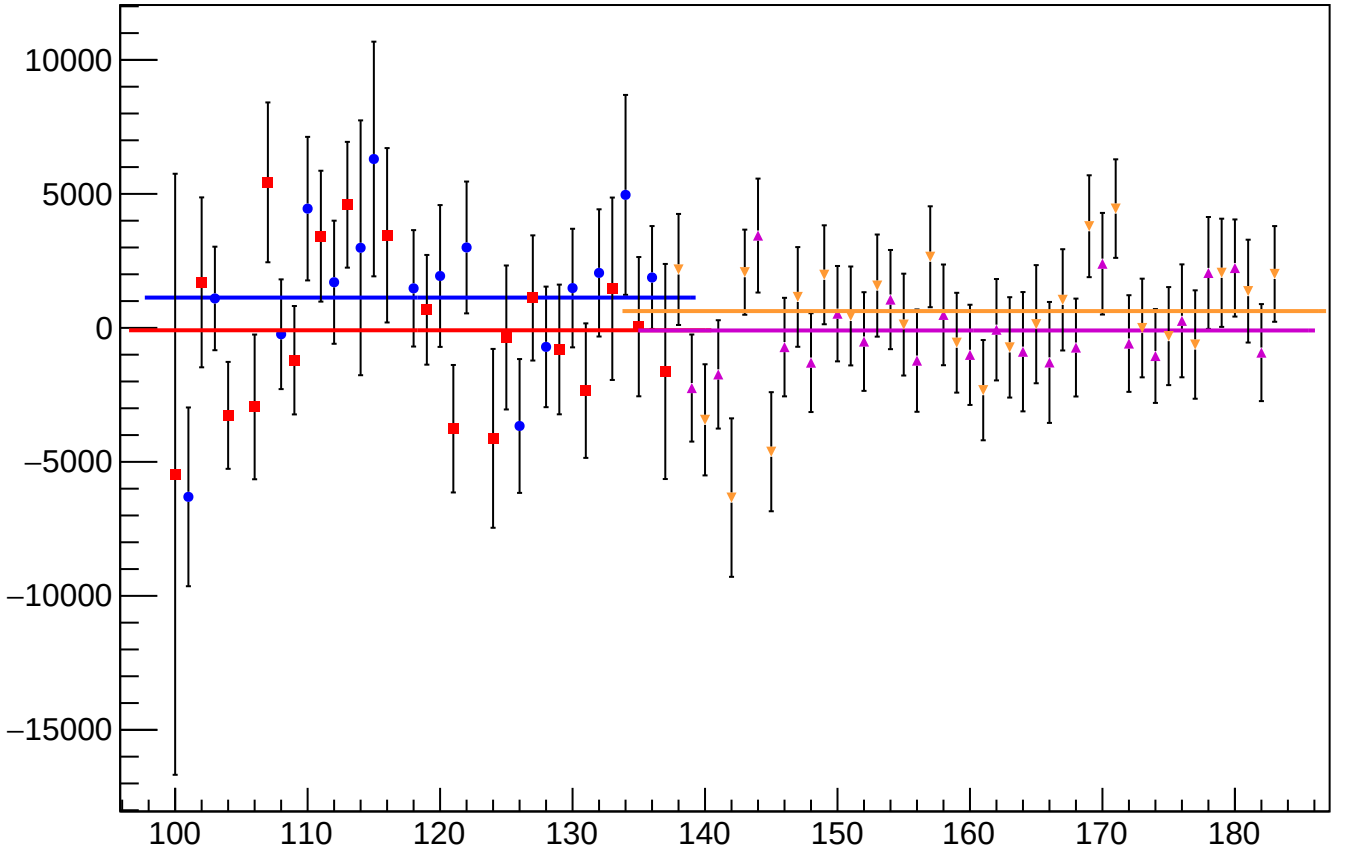
Left In: 840.742+/-0.142 χ^2/NDF:667748.8/21

+ sign 902.408+/-0.132 χ^2/NDF: 5593720.7/39

All: 902.176+/-0.094 χ^2/NDF: 10016721.0/80

- sign 901.939+/-0.133 χ^2/NDF: 4422994.1/40

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 626.520+/-392.967 χ^2/NDF:31.1/23

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

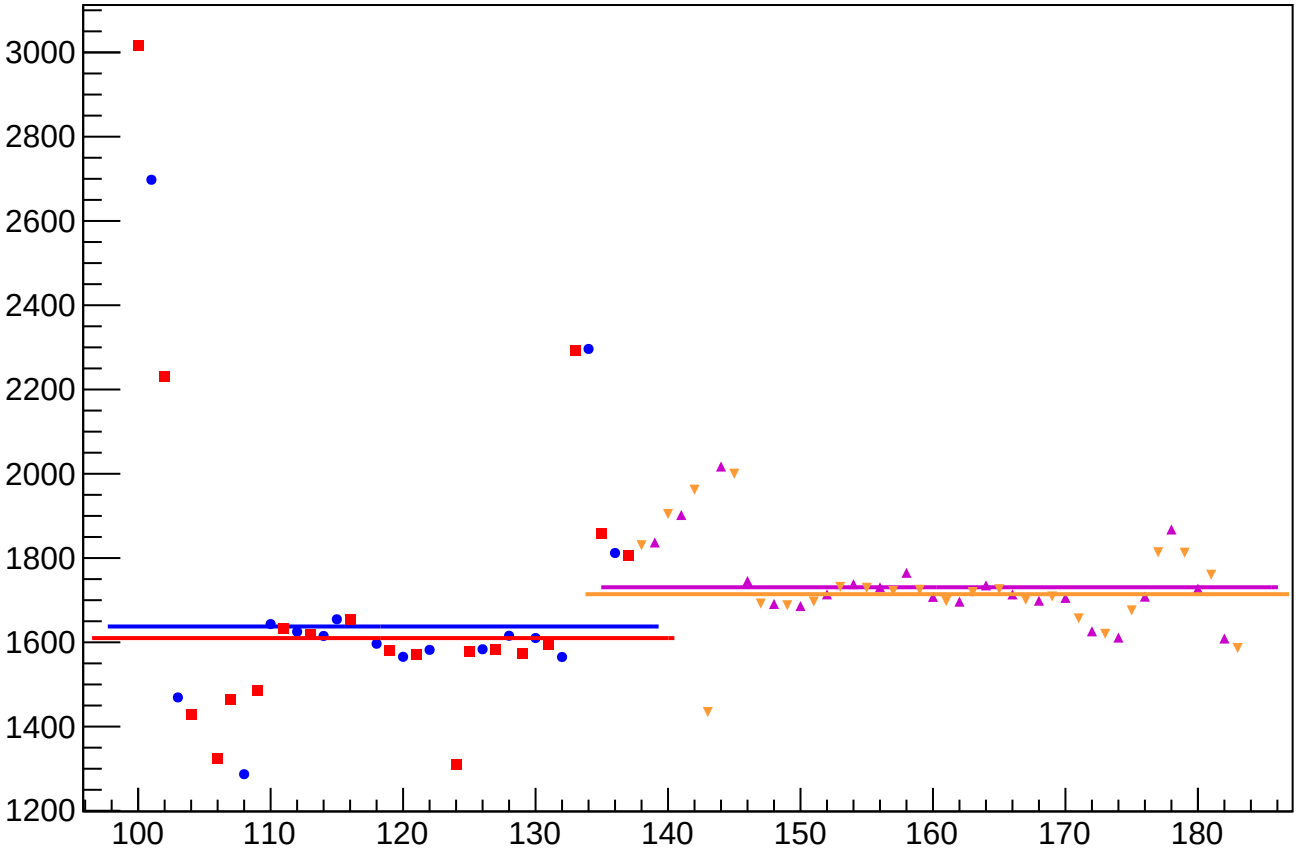
Left In: -96.251+/-408.048 χ^2/NDF:11.9/21

+ sign 771.945+/-331.487 χ^2/NDF: 46.5/39

All: 347.319+/-236.651 χ^2/NDF: 82.5/80

- sign -94.043+/-337.956 χ^2/NDF: 32.6/40

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1714.225+/-0.278 χ^2/NDF:162958.5/23

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

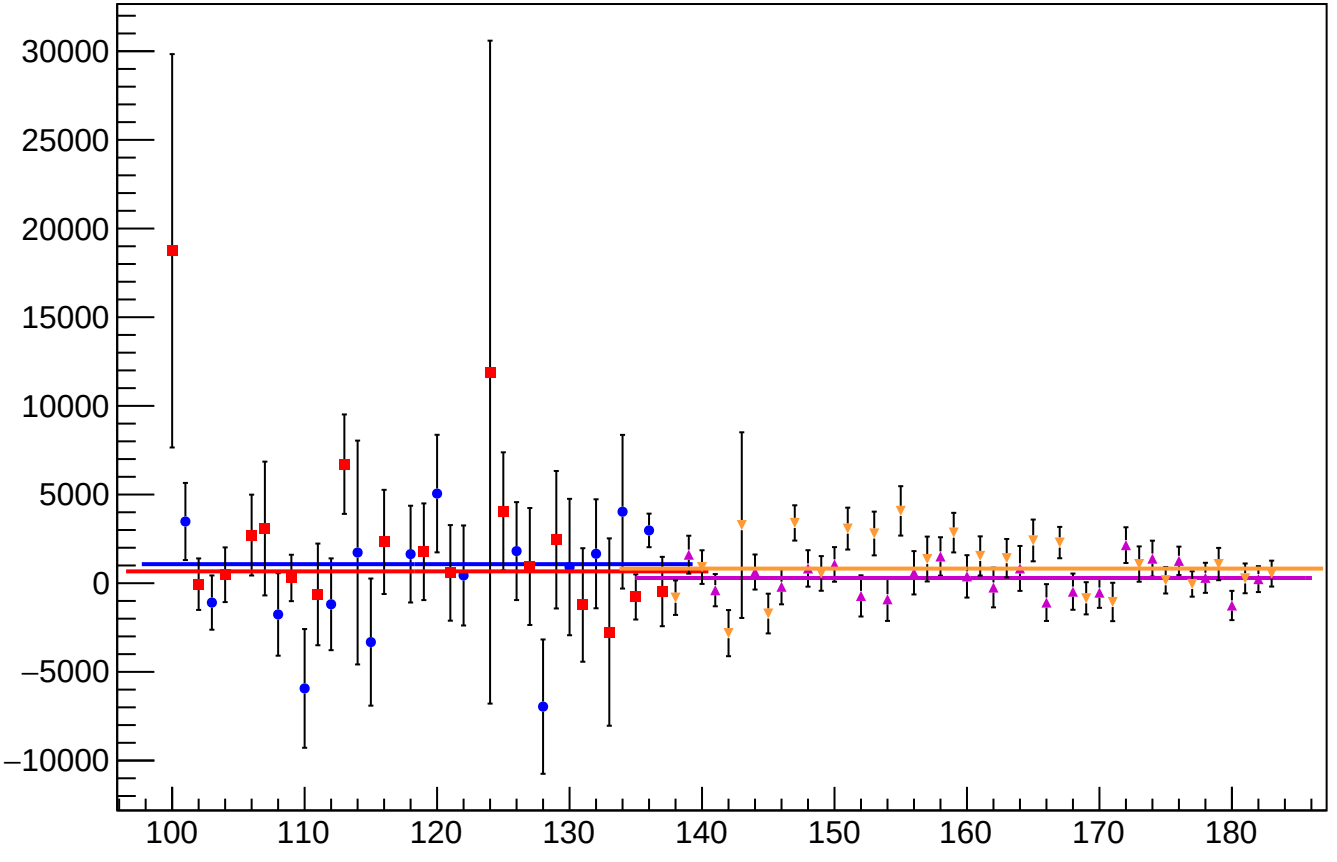
Left In: 1730.670+/-0.289 χ^2/NDF:95491.7/21

+ sign 1692.117+/-0.234 χ^2/NDF: 546323.3/39

All: 1692.446+/-0.167 χ^2/NDF: 977519.5/80

- sign 1692.788+/-0.239 χ^2/NDF: 431192.2/40

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 824.706+/-204.332 χ^2/NDF:52.6/23

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

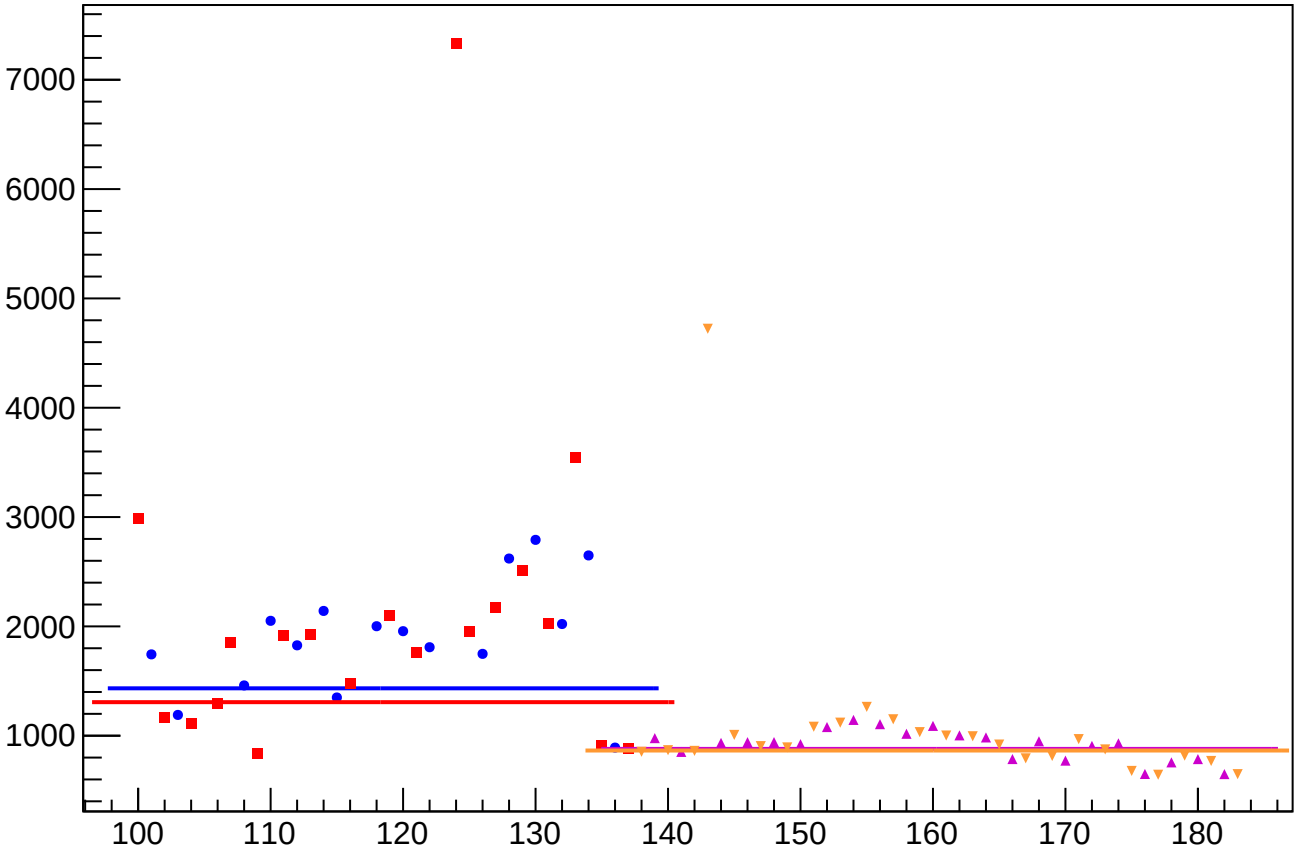
Left In: 293.936+/-210.058 χ^2/NDF:19.6/21

+ sign 852.907+/-192.408 χ^2/NDF: 74.8/39

All: 602.671+/-136.942 χ^2/NDF: 111.8/80

- sign 345.784+/-194.948 χ^2/NDF: 33.6/40

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 864.625+/-0.144 χ^2/NDF:2213138.0/23

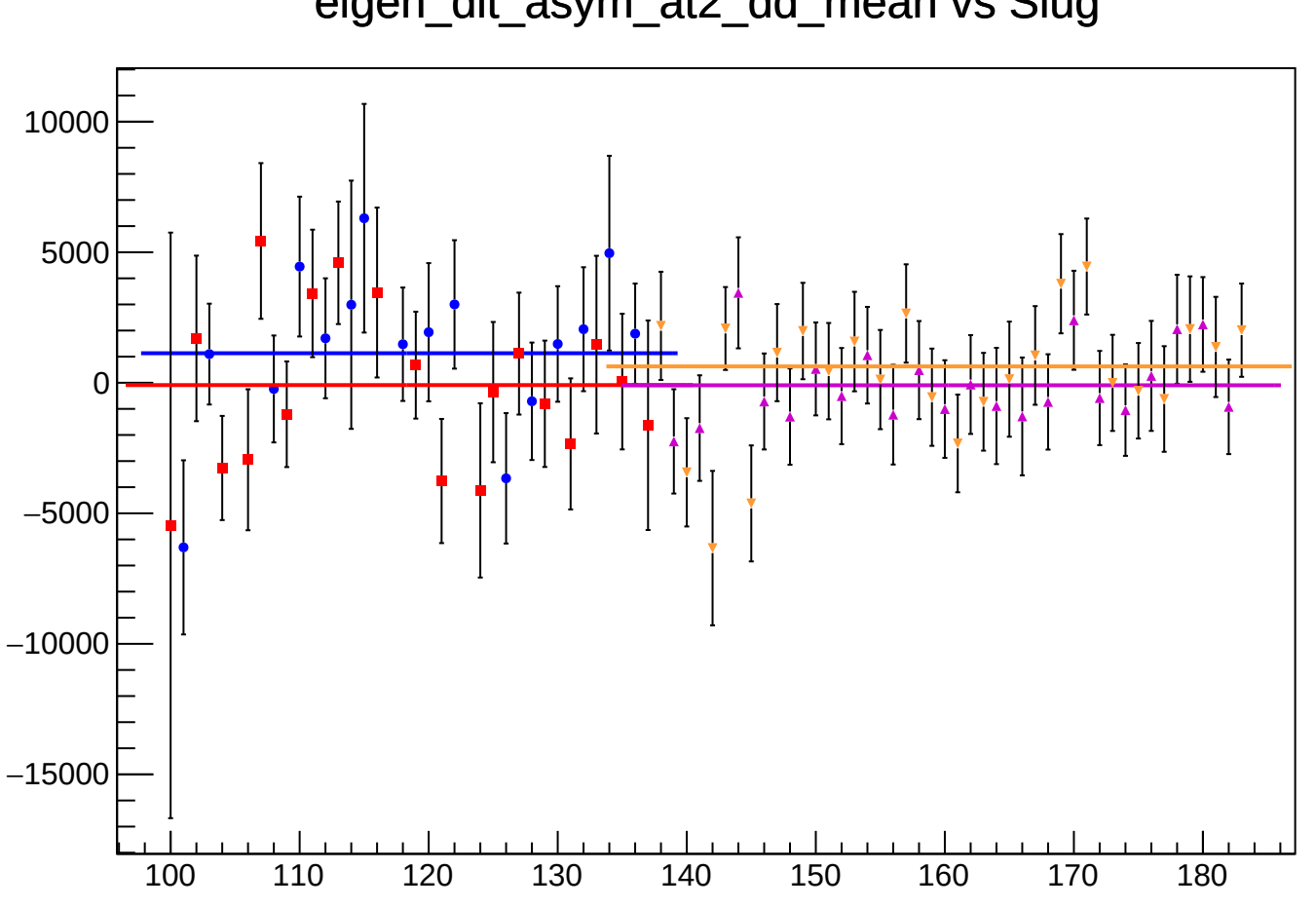
Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 879.334+/-0.149 χ^2/NDF:892161.1/21

+ sign 929.079+/-0.136 χ^2/NDF: 5732953.5/39

All: 933.791+/-0.097 χ^2/NDF: 9960486.6/80

- sign 938.628+/-0.138 χ^2/NDF: 4225102.3/40



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 626.516+/-392.967 χ^2/NDF:31.1/23

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

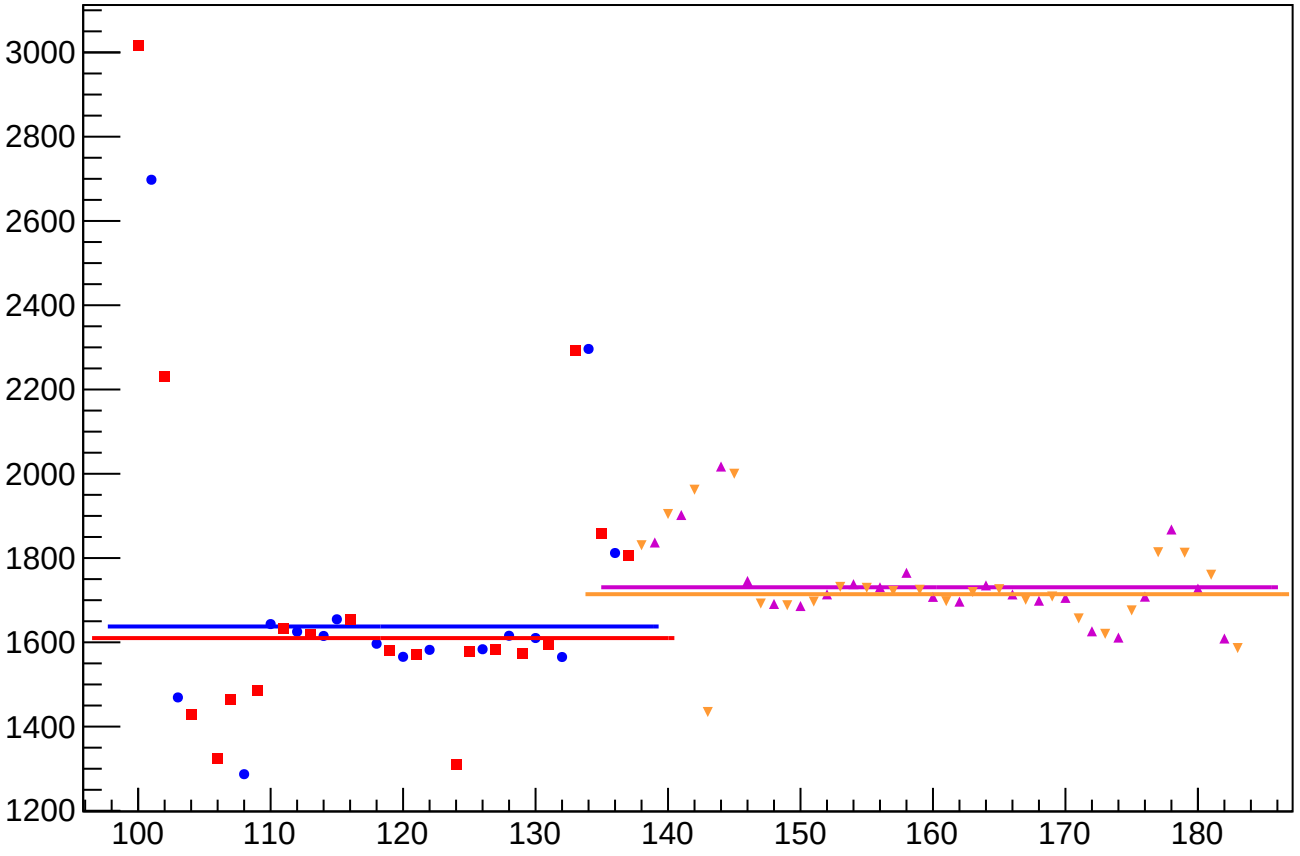
Left In: -96.251+/-408.047 χ^2/NDF:11.9/21

+ sign 771.942+/-331.487 χ^2/NDF: 46.5/39

All: 347.316+/-236.651 χ^2/NDF: 82.5/80

- sign -94.045+/-337.956 χ^2/NDF: 32.6/40

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1714.225+/-0.278 χ^2/NDF:162957.3/23

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

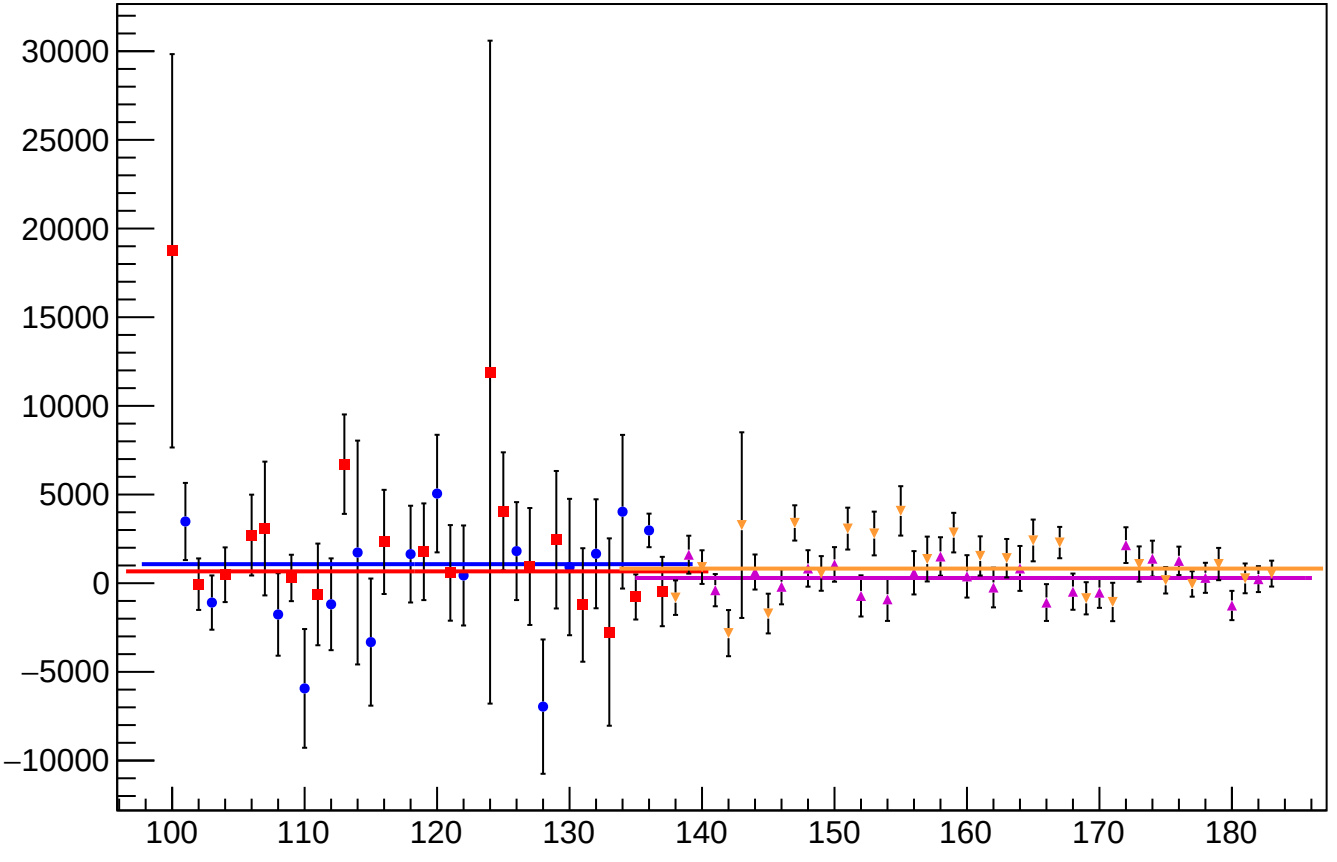
Left In: 1730.669+/-0.289 χ^2/NDF:95491.8/21

+ sign 1692.117+/-0.234 χ^2/NDF: 546321.8/39

All: 1692.446+/-0.167 χ^2/NDF: 977518.0/80

- sign 1692.788+/-0.239 χ^2/NDF: 431192.2/40

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 824.709+/-204.332 χ^2/NDF:52.6/23

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

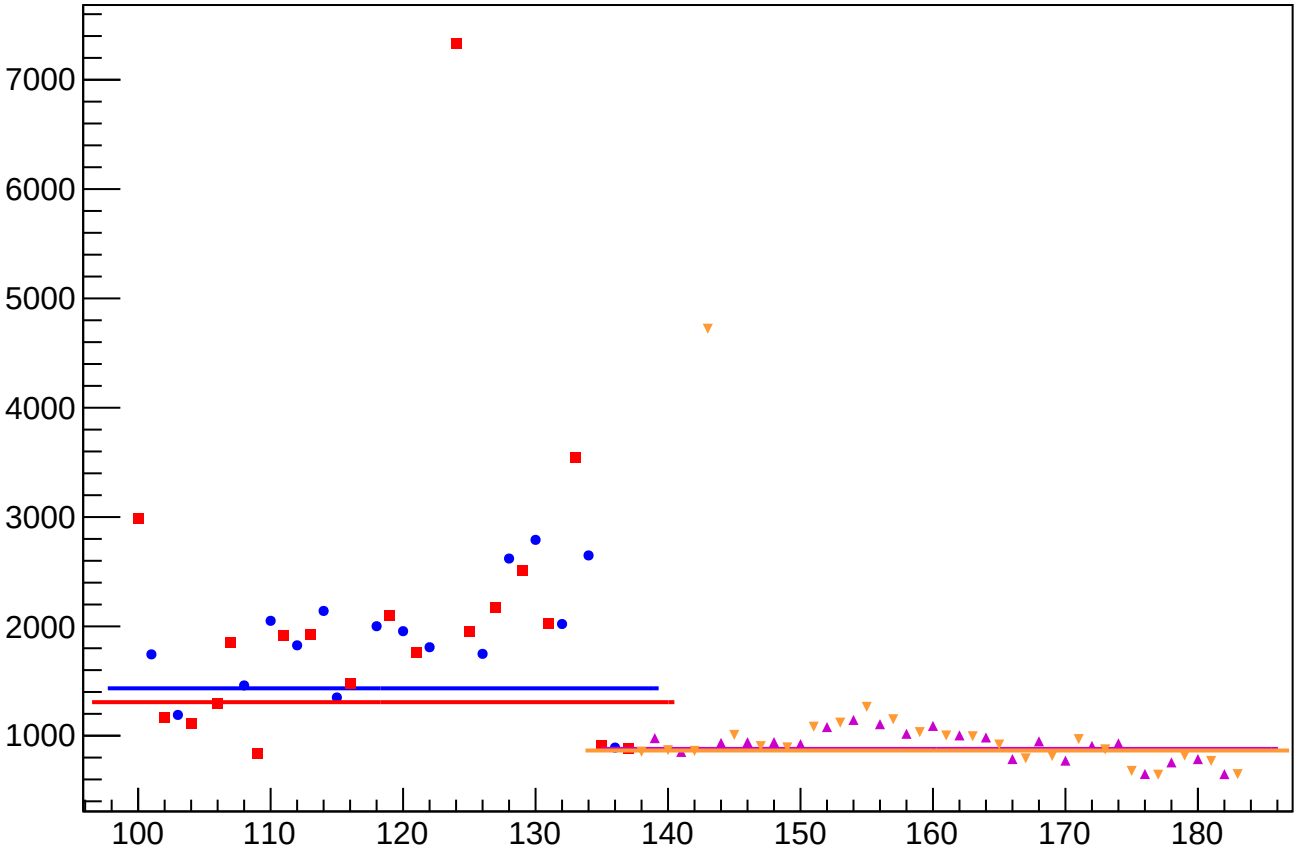
Left In: 293.934+/-210.058 χ^2/NDF:19.6/21

+ sign 852.908+/-192.408 χ^2/NDF: 74.8/39

All: 602.671+/-136.942 χ^2/NDF: 111.8/80

- sign 345.783+/-194.948 χ^2/NDF: 33.6/40

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 864.625+/-0.144 χ^2/NDF:2213128.8/23

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

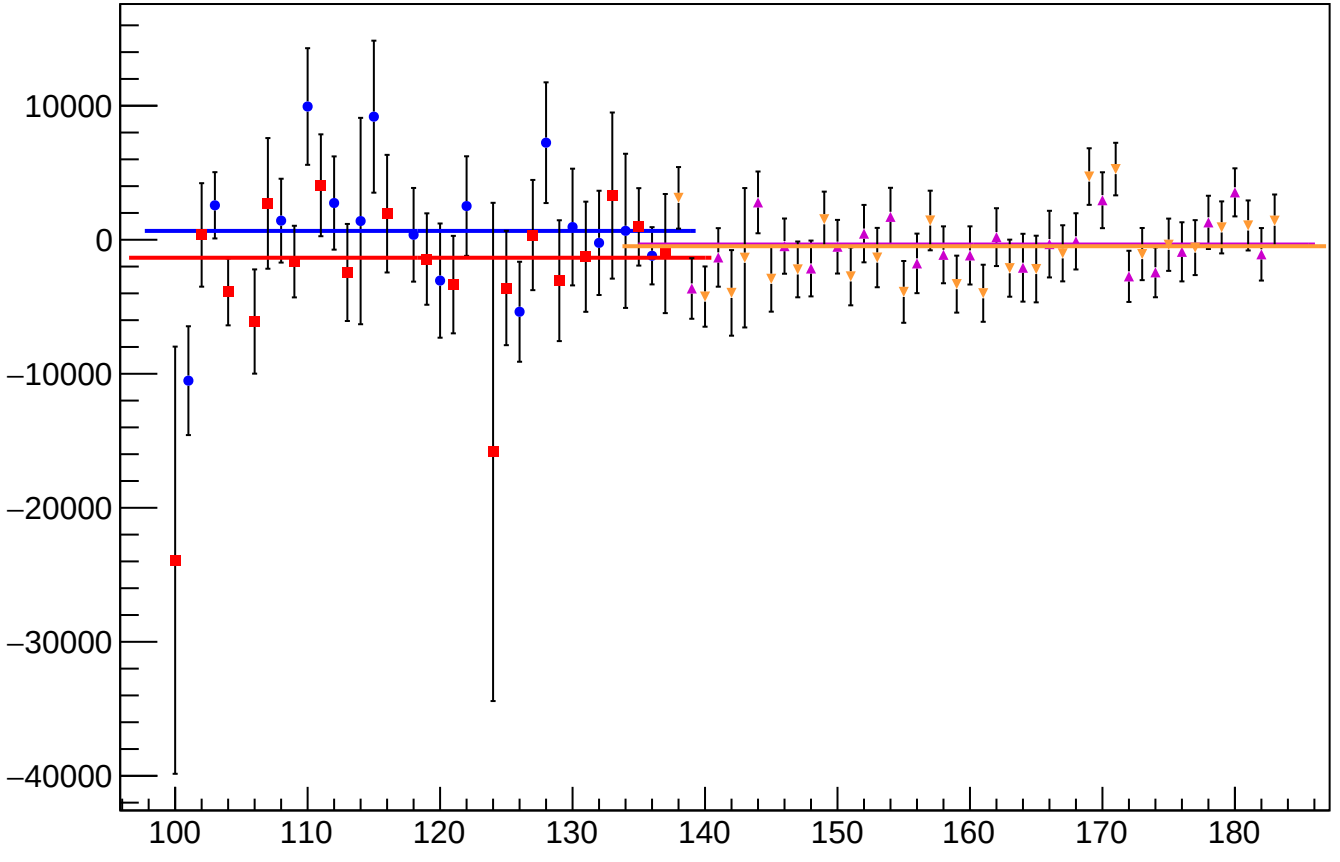
Left In: 879.333+/-0.149 χ^2/NDF:892166.3/21

+ sign 929.080+/-0.136 χ^2/NDF: 5732922.4/39

All: 933.791+/-0.097 χ^2/NDF: 9960452.3/80

- sign 938.628+/-0.138 χ^2/NDF: 4225099.6/40

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -482.554+/-443.725 χ^2/NDF:35.8/23

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

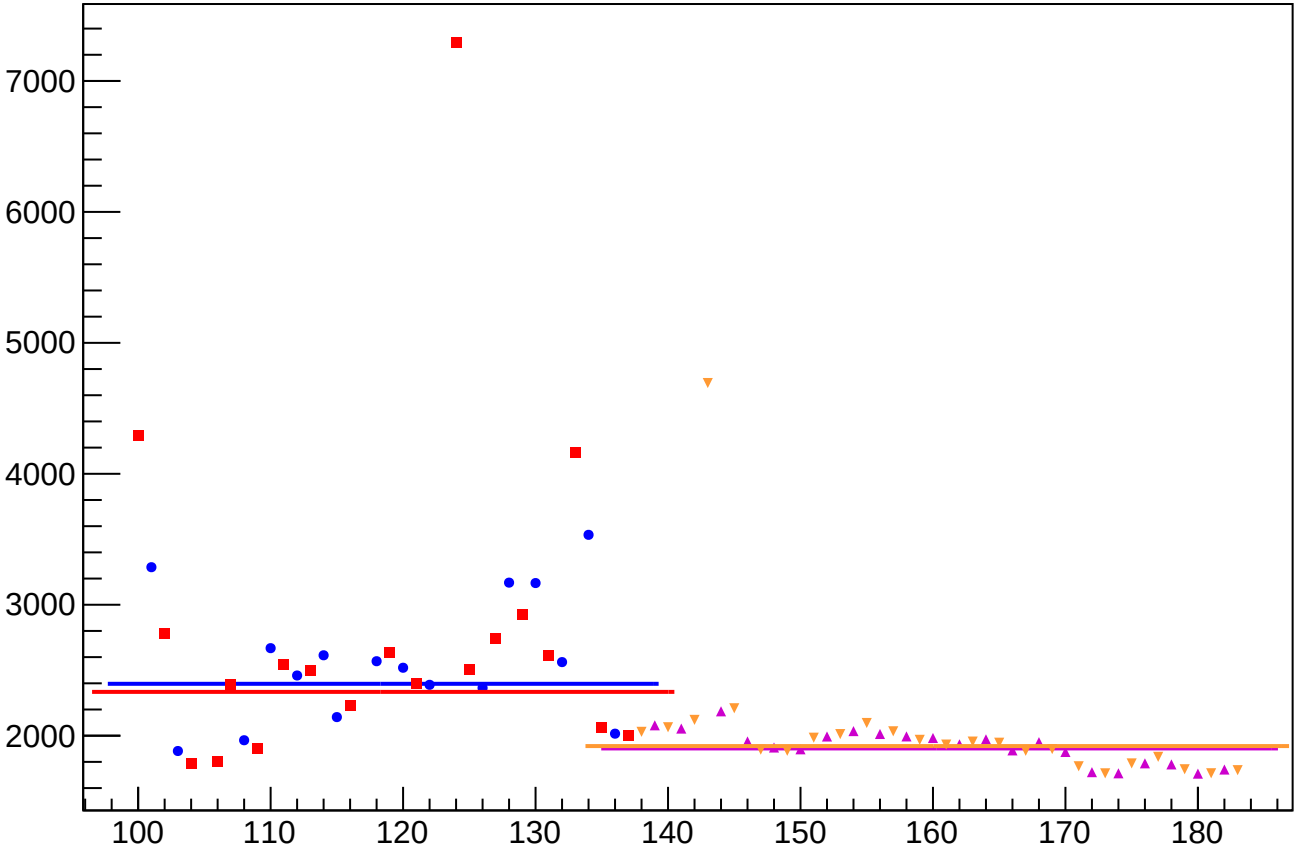
Left In: -355.868+/-449.004 χ^2/NDF:18.1/21

+ sign -263.016+/-398.801 χ^2/NDF: 59.1/39

All: -408.594+/-282.744 χ^2/NDF: 89.2/80

- sign -555.730+/-400.930 χ^2/NDF: 29.9/40

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1920.696+/-0.314 χ^2/NDF:748945.2/23

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

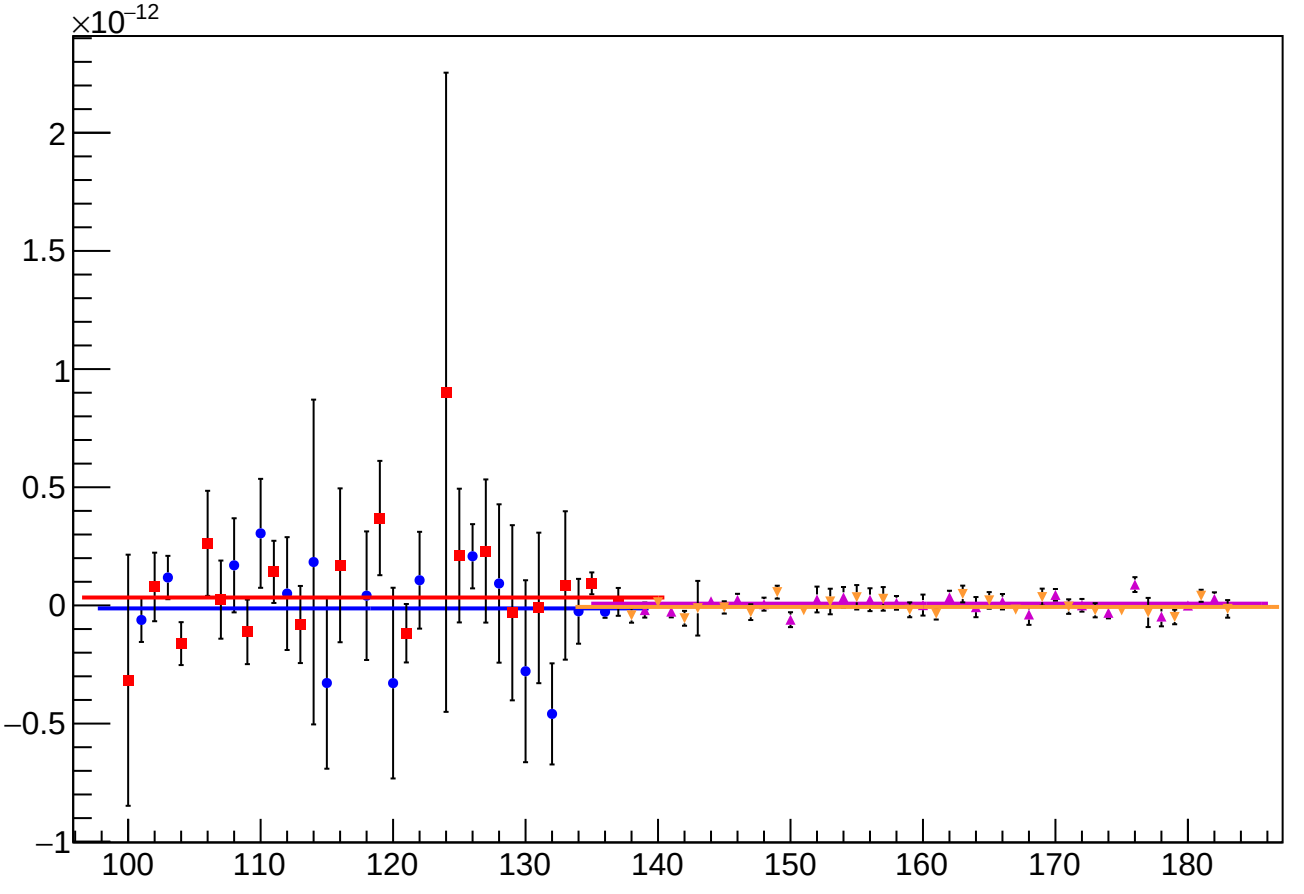
Left In: 1902.623+/-0.317 χ^2/NDF:167614.4/21

+ sign 2012.121+/-0.282 χ^2/NDF: 1698503.2/39

All: 2001.205+/-0.200 χ^2/NDF: 2925876.2/80

- sign 1990.172+/-0.283 χ^2/NDF: 1224360.2/40

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

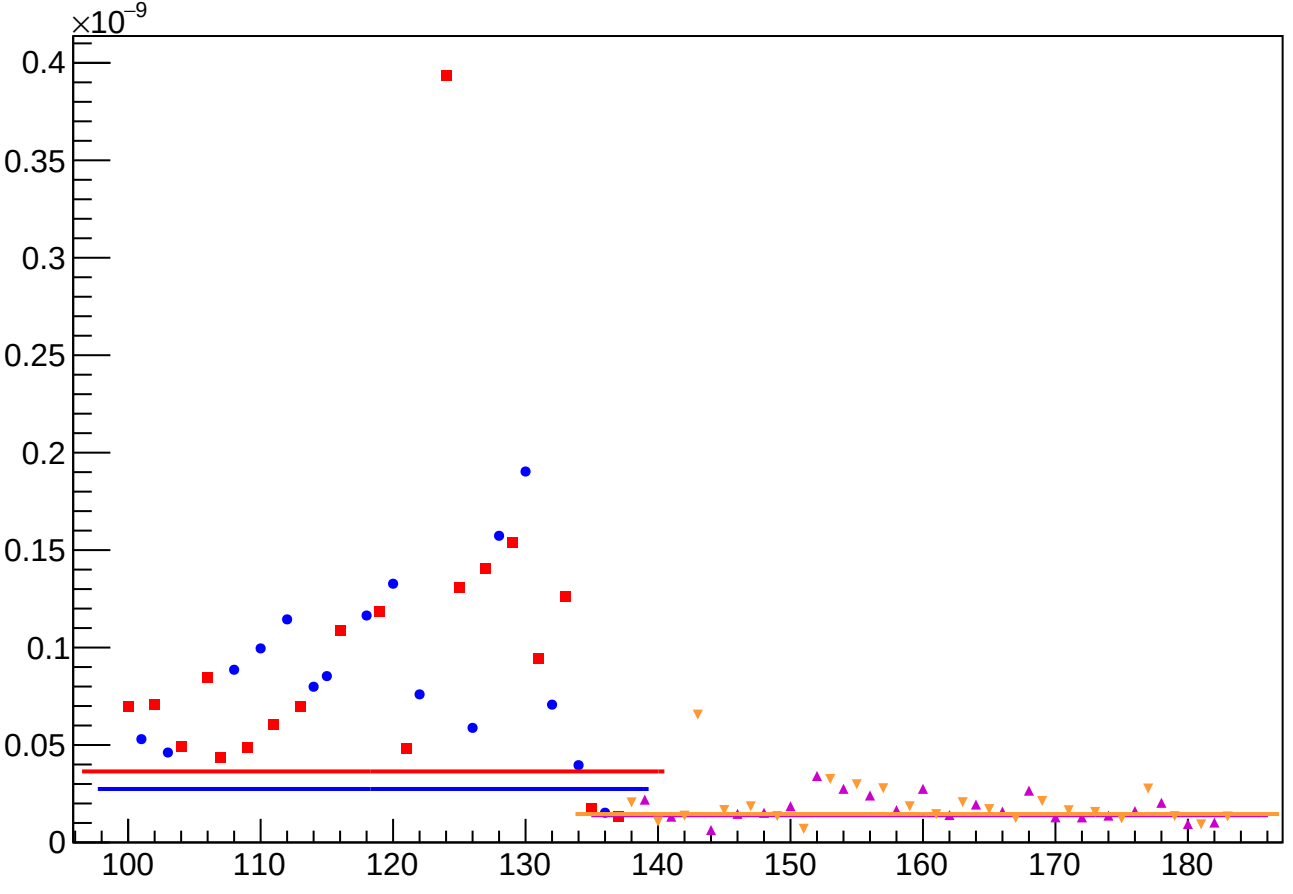
Left In: 0.000+/-0.000 χ^2/NDF:24.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/39

All: 0.000+/-0.000 χ^2/NDF: 84.1/80

- sign 0.000+/-0.000 χ^2/NDF: 41.0/40

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1867687.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

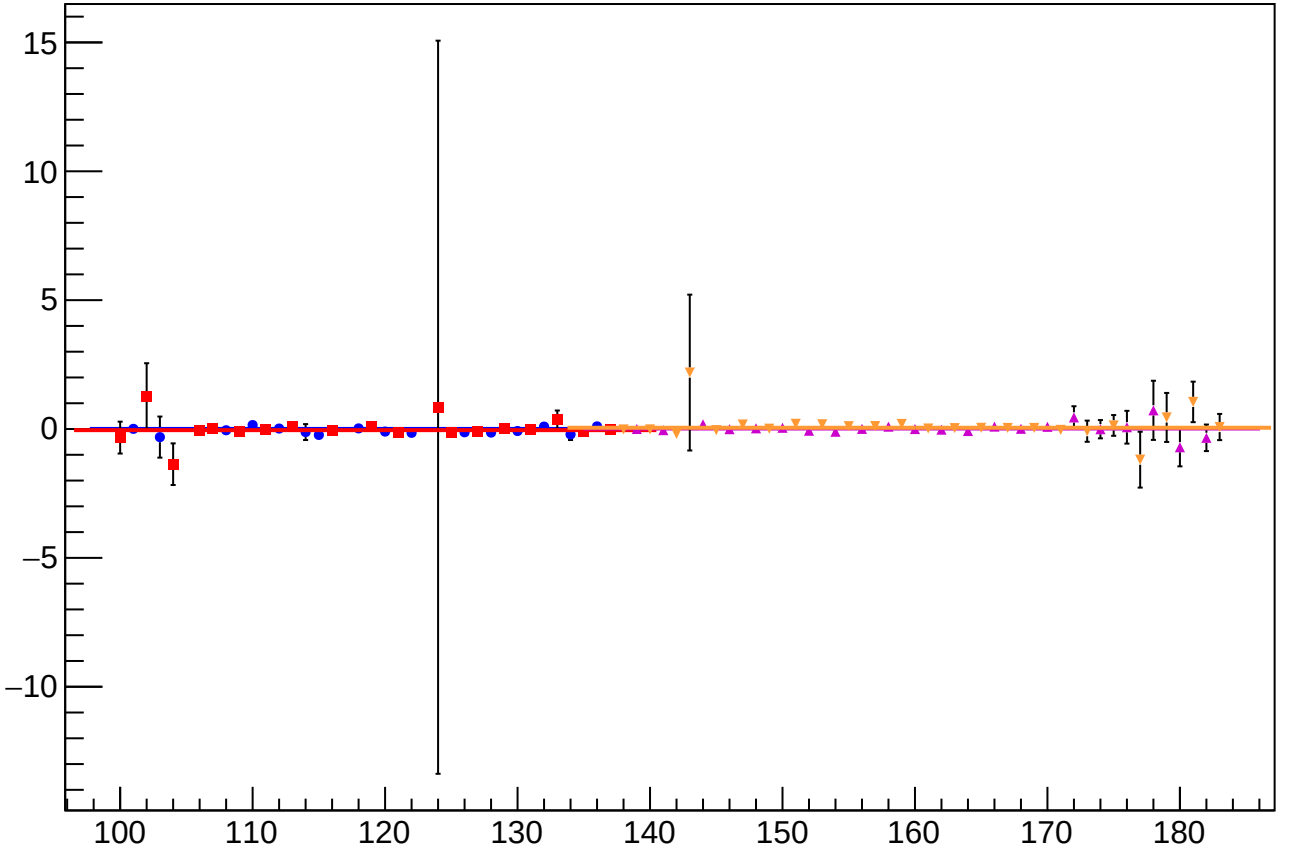
Left In: 0.000+/-0.000 χ^2/NDF:1944536.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 5221910.9/39

All: 0.000+/-0.000 χ^2/NDF: 10851419.3/80

- sign 0.000+/-0.000 χ^2/NDF: 5621527.1/40

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/23

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

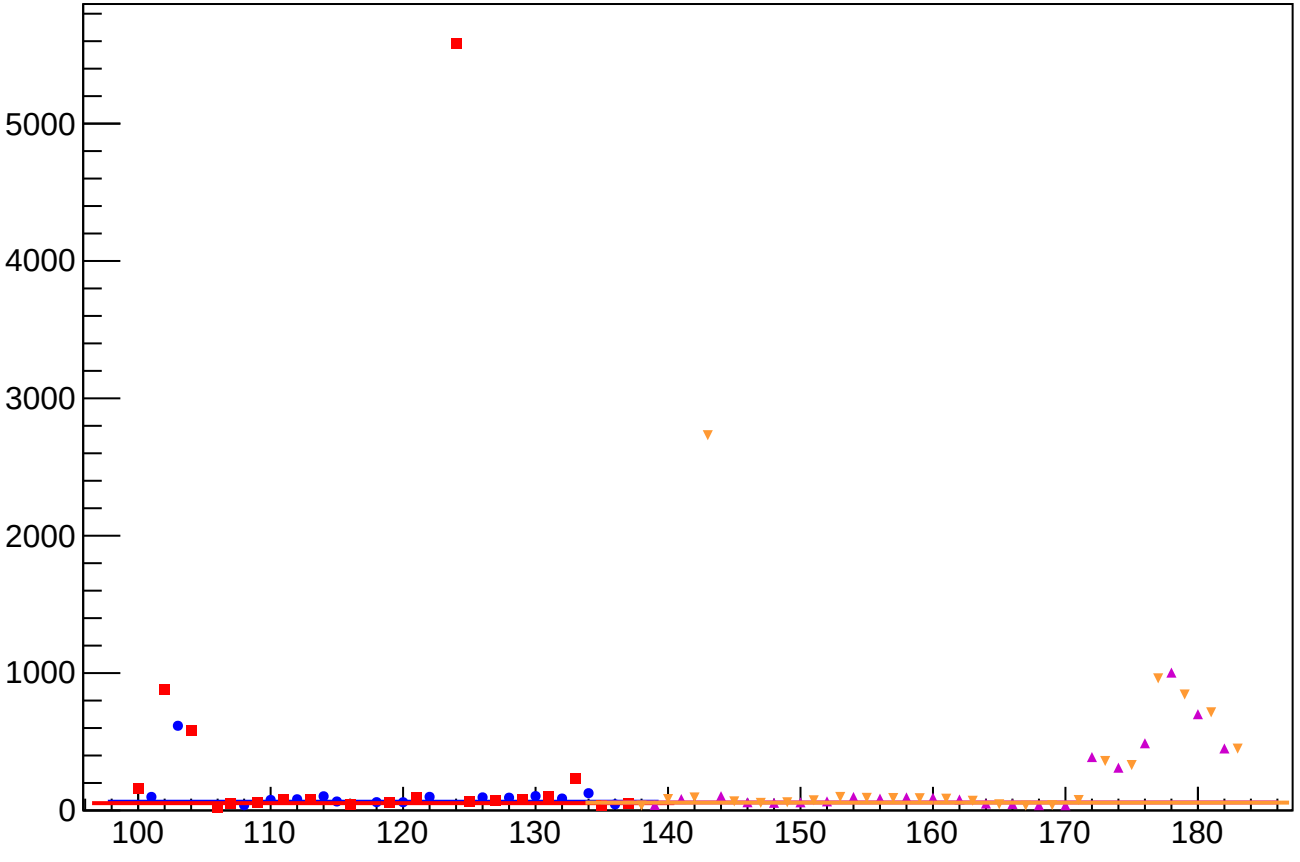
Left In: 0.019+/-0.017 χ^2/NDF:14.6/21

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/39

All: 0.017+/-0.010 χ^2/NDF: 73.4/80

- sign -0.001+/-0.014 χ^2/NDF: 31.6/40

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.095+/-0.012 χ^2/NDF:11946902.0/23

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

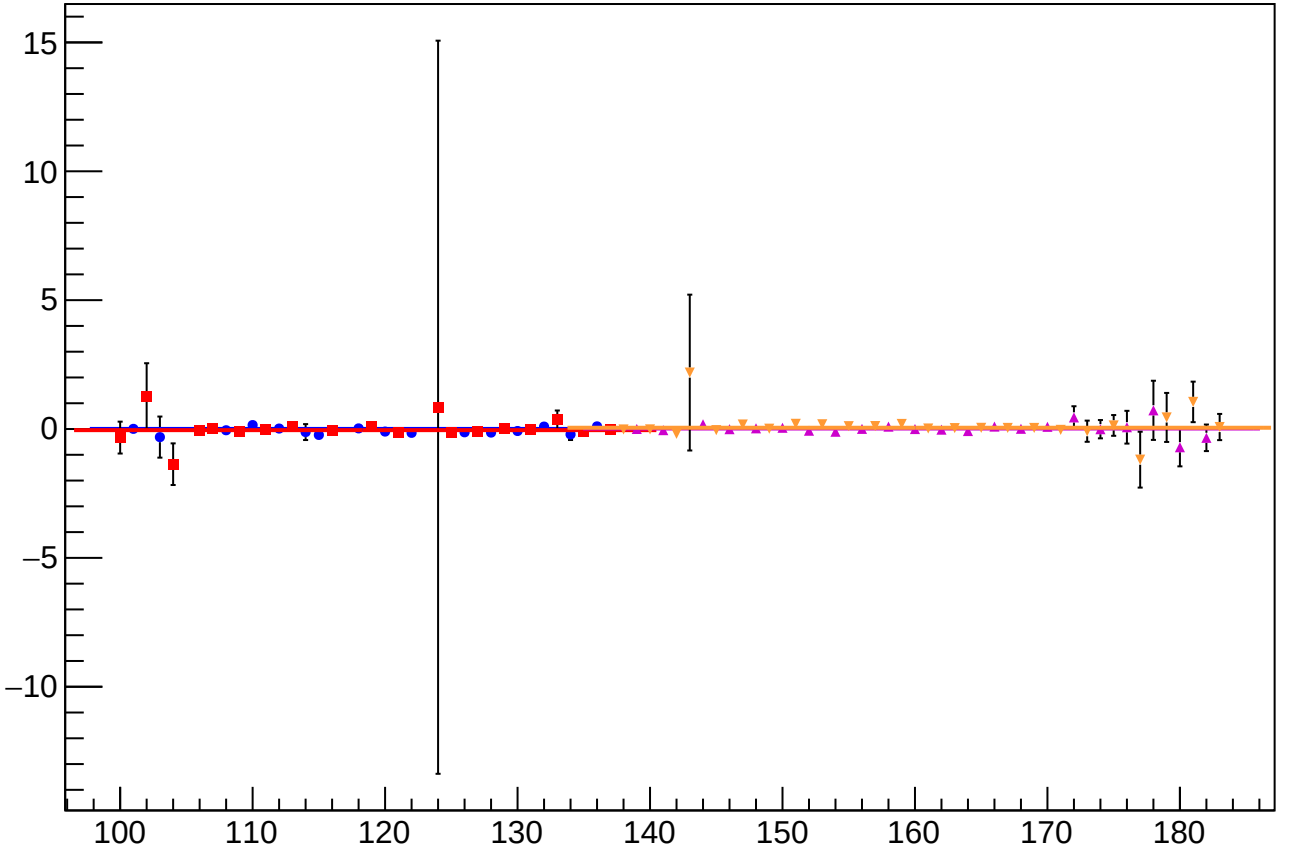
Left In: 58.399+/-0.012 χ^2/NDF:9813472.8/21

+ sign 58.885+/-0.010 χ^2/NDF: 14470624.5/39

All: 57.779+/-0.007 χ^2/NDF: 28312020.9/80

- sign 56.725+/-0.010 χ^2/NDF: 13818482.1/40

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/23

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

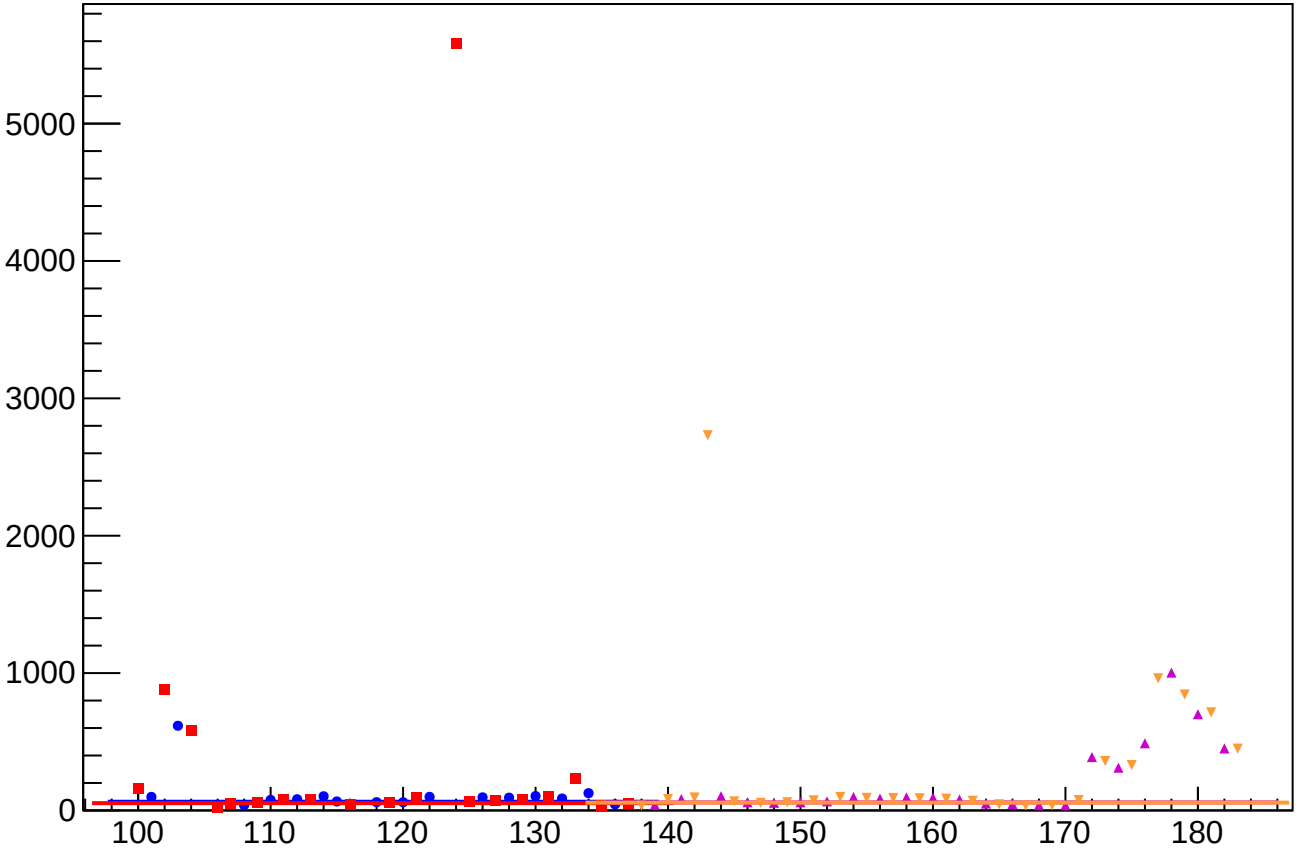
Left In: 0.019+/-0.017 χ^2/NDF:14.6/21

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/39

All: 0.017+/-0.010 χ^2/NDF: 73.4/80

- sign -0.001+/-0.014 χ^2/NDF: 31.6/40

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.095+/-0.012 χ^2/NDF:11946902.0/23

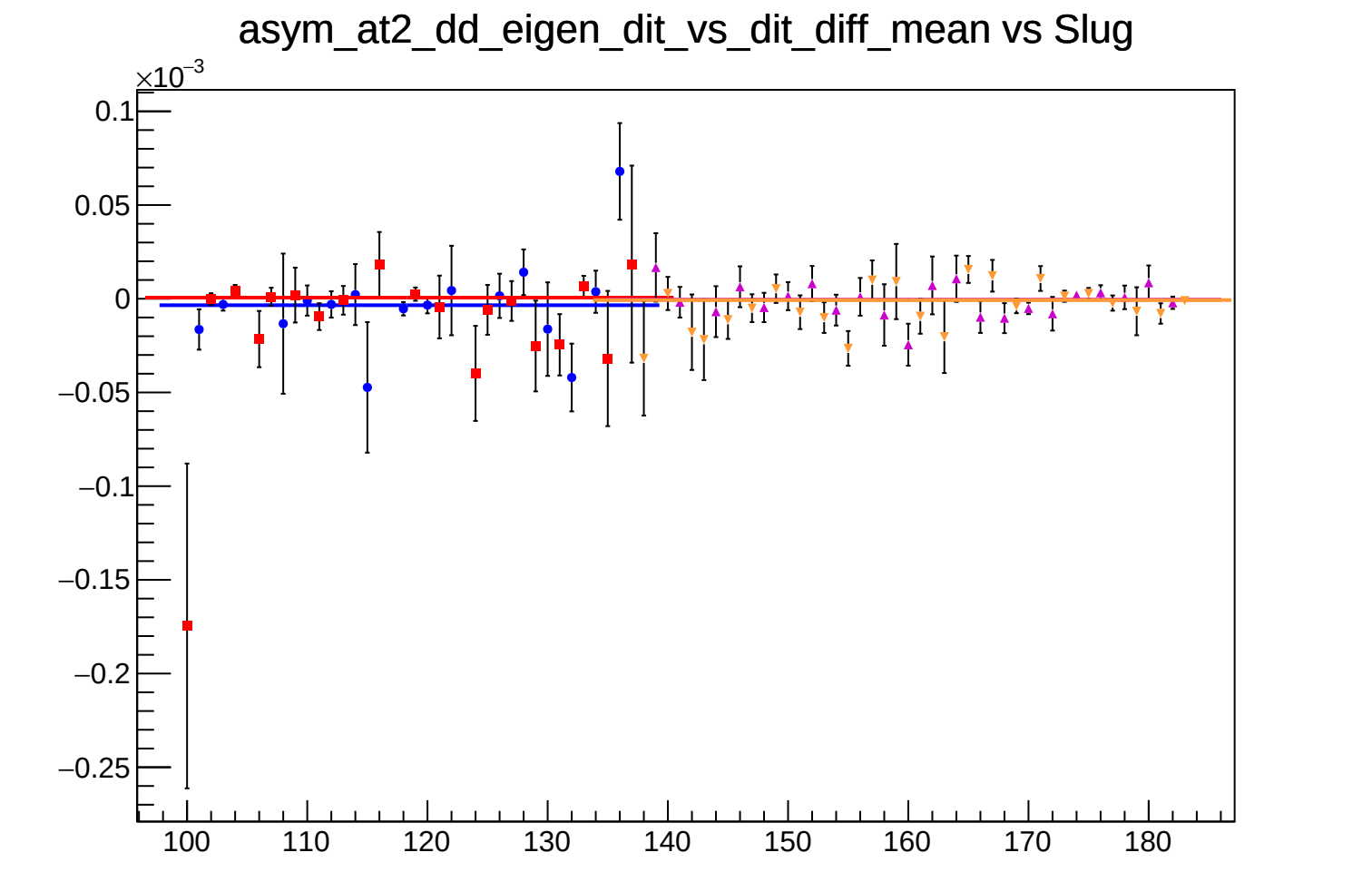
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.399+/-0.012 χ^2/NDF:9813472.8/21

+ sign 58.885+/-0.010 χ^2/NDF: 14470624.5/39

All: 57.779+/-0.007 χ^2/NDF: 28312020.9/80

- sign 56.725+/-0.010 χ^2/NDF: 13818482.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

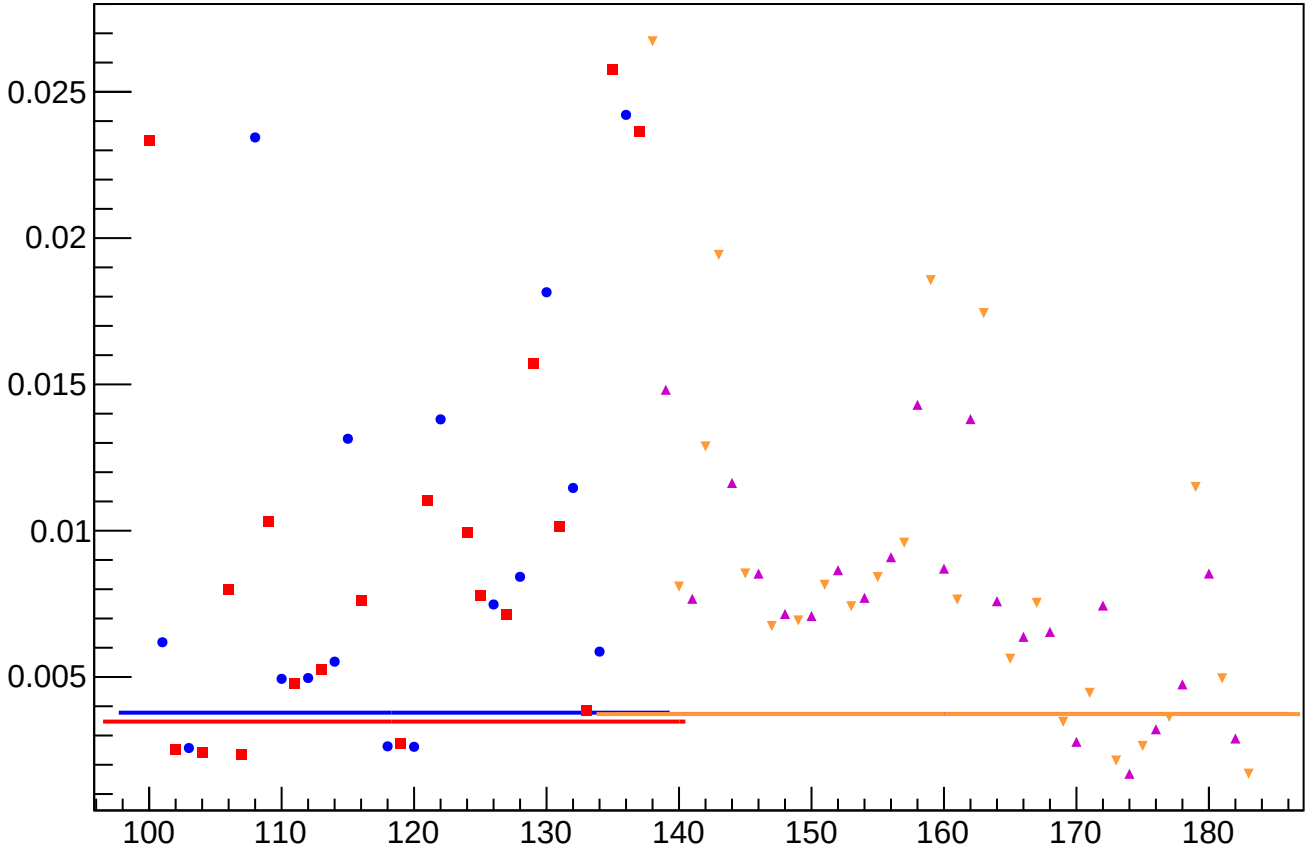
Left In: -0.000+/-0.000 χ^2/NDF:18.6/21

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/39

All: -0.000+/-0.000 χ^2/NDF: 92.4/80

- sign -0.000+/-0.000 χ^2/NDF: 38.1/40

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:12960787.1/23

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

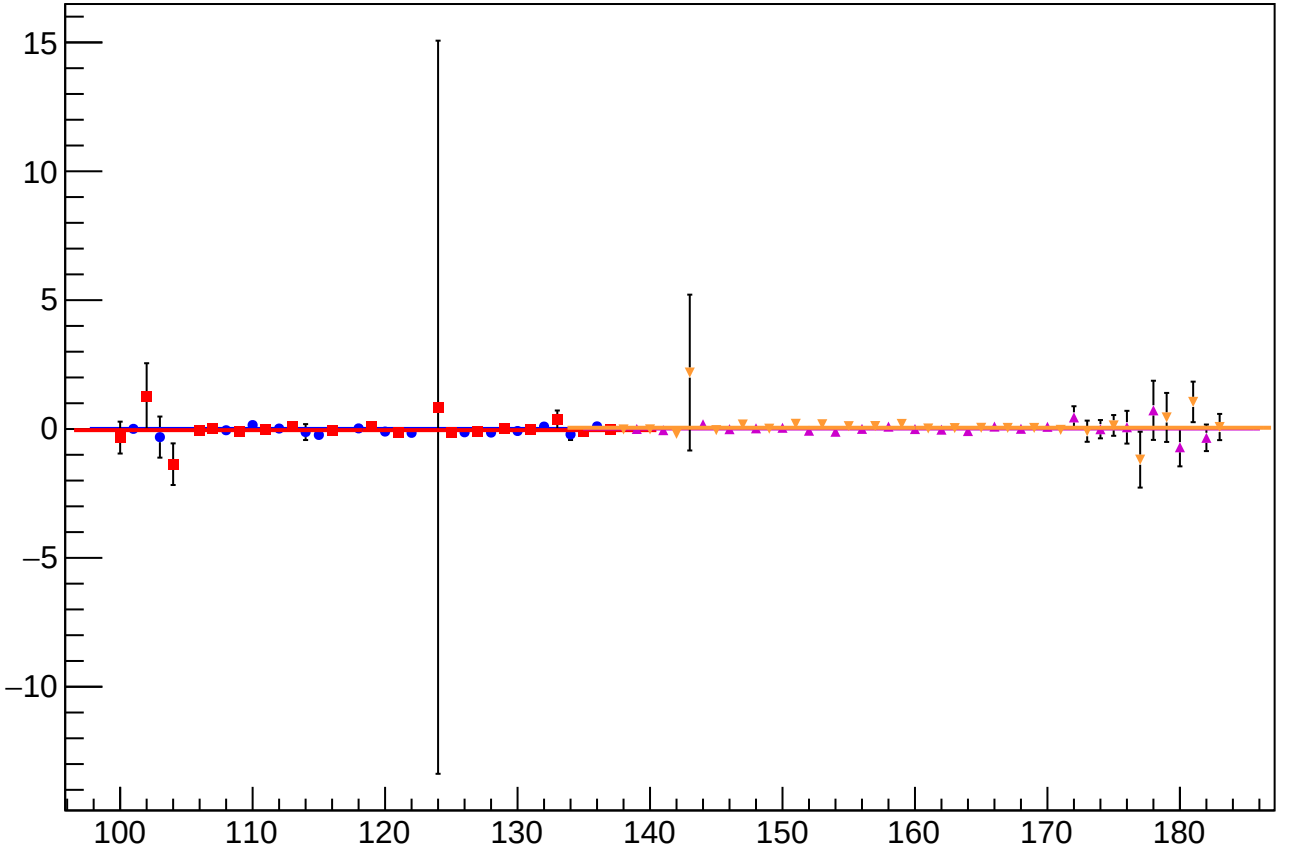
Left In: 0.004+/-0.000 χ^2/NDF:11095769.6/21

+ sign 0.004+/-0.000 χ^2/NDF: 17681357.4/39

All: 0.004+/-0.000 χ^2/NDF: 33321168.3/80

- sign 0.004+/-0.000 χ^2/NDF: 15628072.3/40

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/23

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

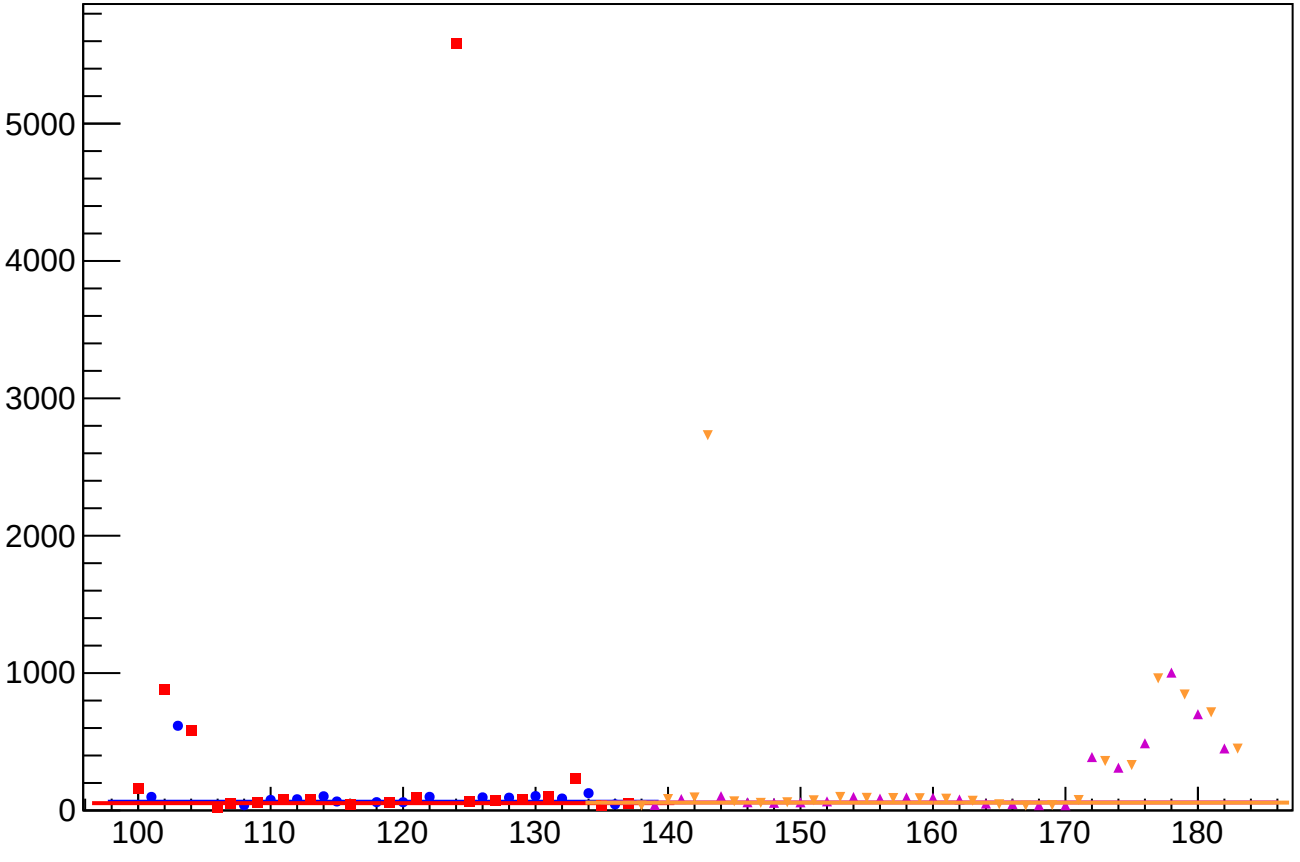
Left In: 0.019+/-0.017 χ^2/NDF:14.6/21

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/39

All: 0.017+/-0.010 χ^2/NDF: 73.4/80

- sign -0.001+/-0.014 χ^2/NDF: 31.6/40

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.094+/-0.012 χ^2/NDF:11946643.1/23

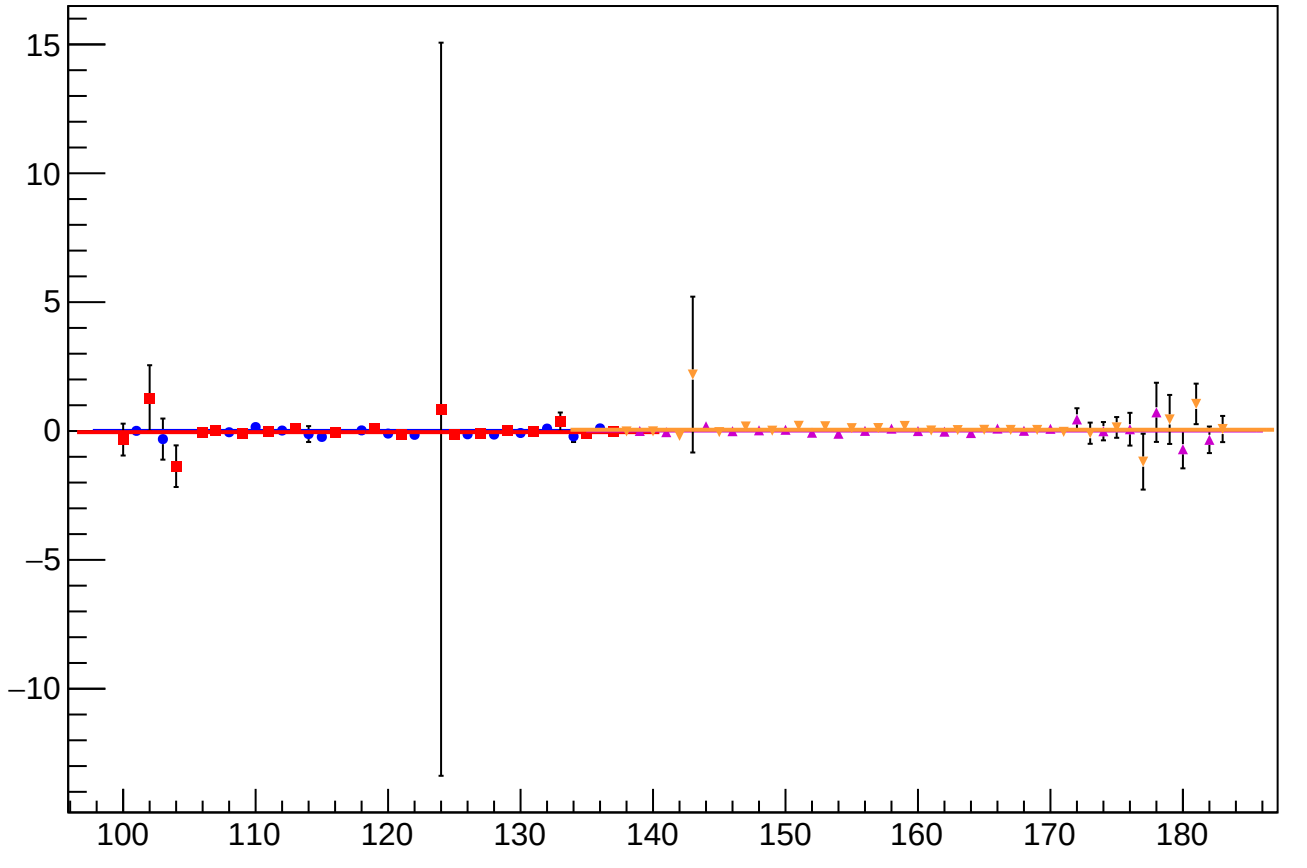
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.401+/-0.012 χ^2/NDF:9812972.3/21

+ sign 58.886+/-0.010 χ^2/NDF: 14469705.6/39

All: 57.780+/-0.007 χ^2/NDF: 28311358.9/80

- sign 56.724+/-0.010 χ^2/NDF: 13818704.7/40



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/23

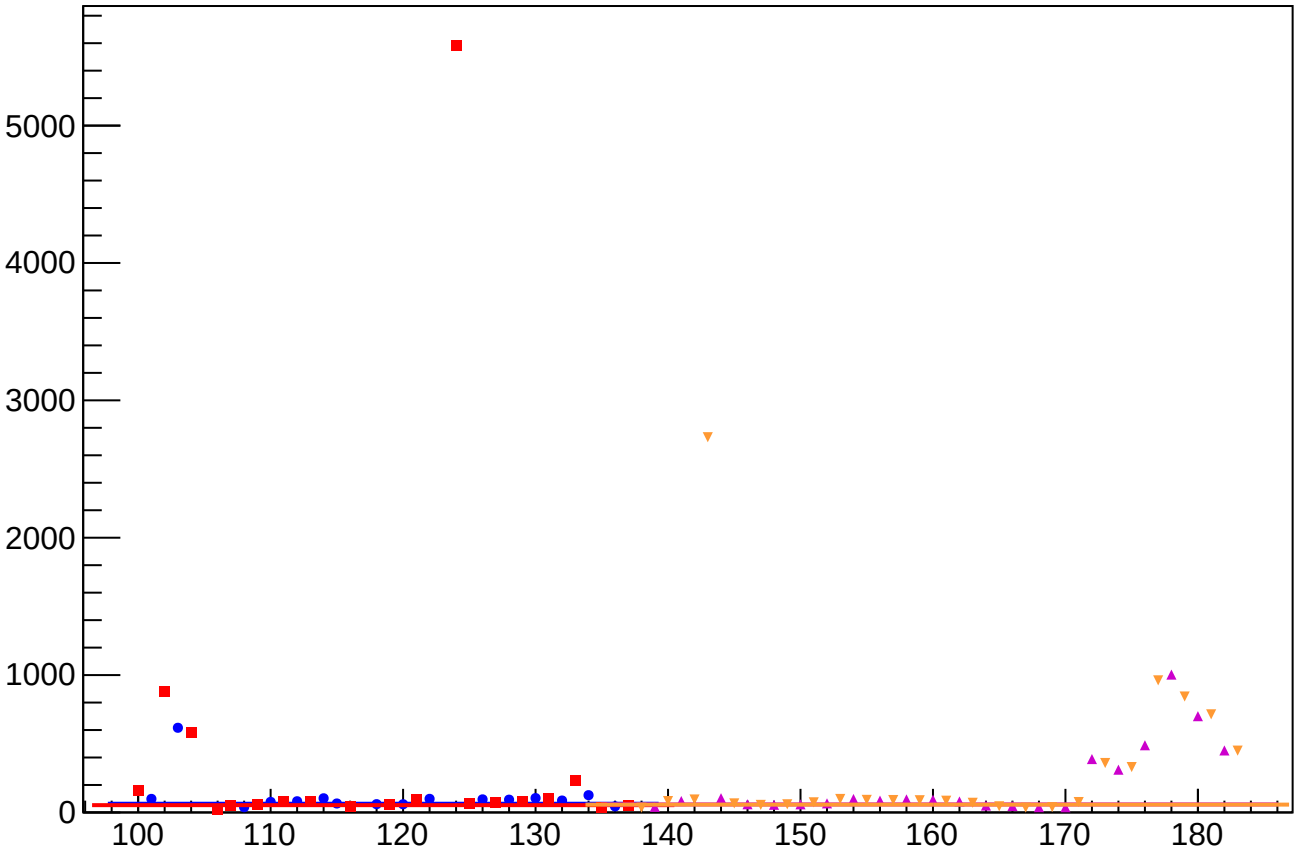
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.019+/-0.017 χ^2/NDF:14.6/21

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/39

All: 0.017+/-0.010 χ^2/NDF: 73.4/80

- sign -0.001+/-0.014 χ^2/NDF: 31.6/40



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.094+/-0.012 χ^2/NDF:11946643.1/23

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

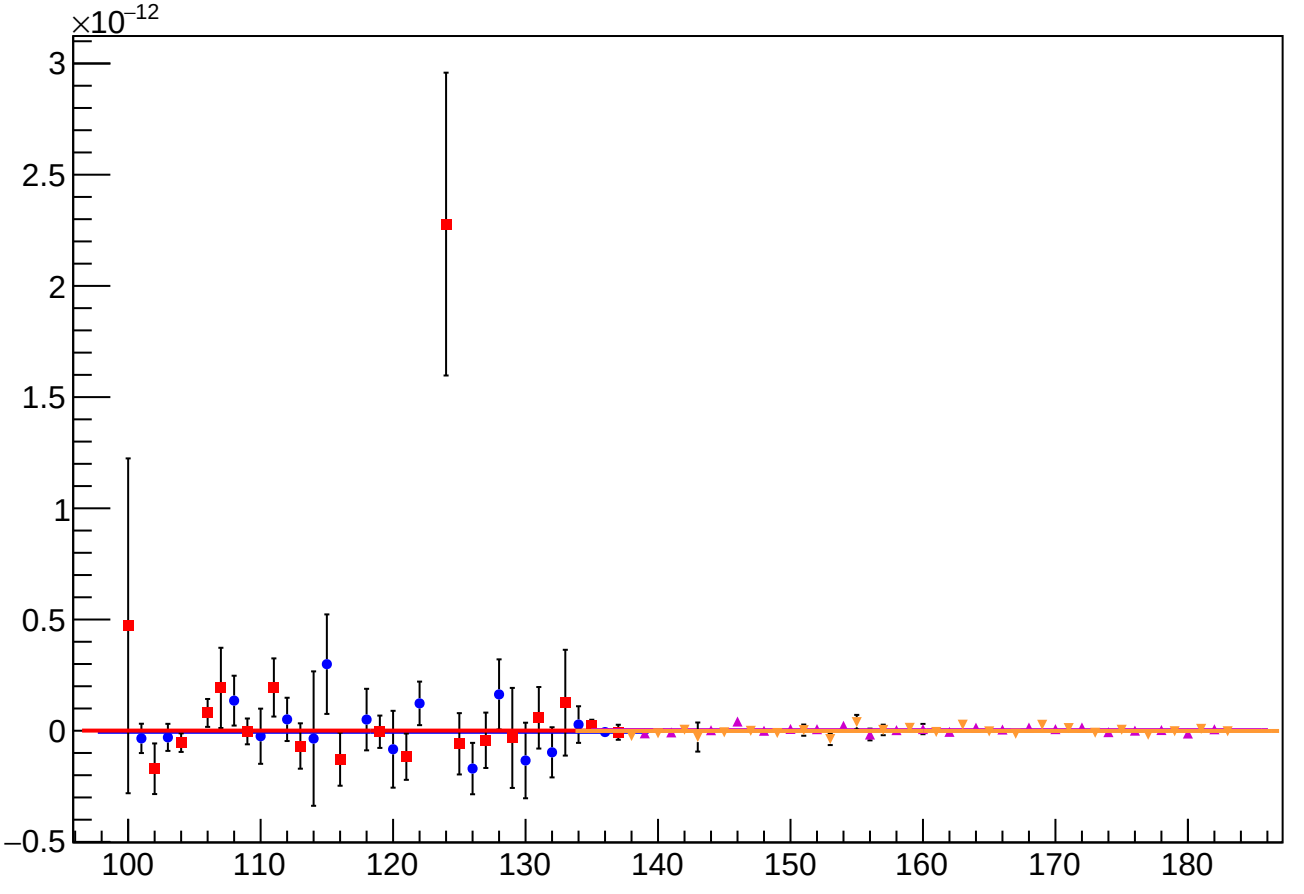
Left In: 58.401+/-0.012 χ^2/NDF:9812972.3/21

+ sign 58.886+/-0.010 χ^2/NDF: 14469705.6/39

All: 57.780+/-0.007 χ^2/NDF: 28311358.9/80

- sign 56.724+/-0.010 χ^2/NDF: 13818704.7/40

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/23

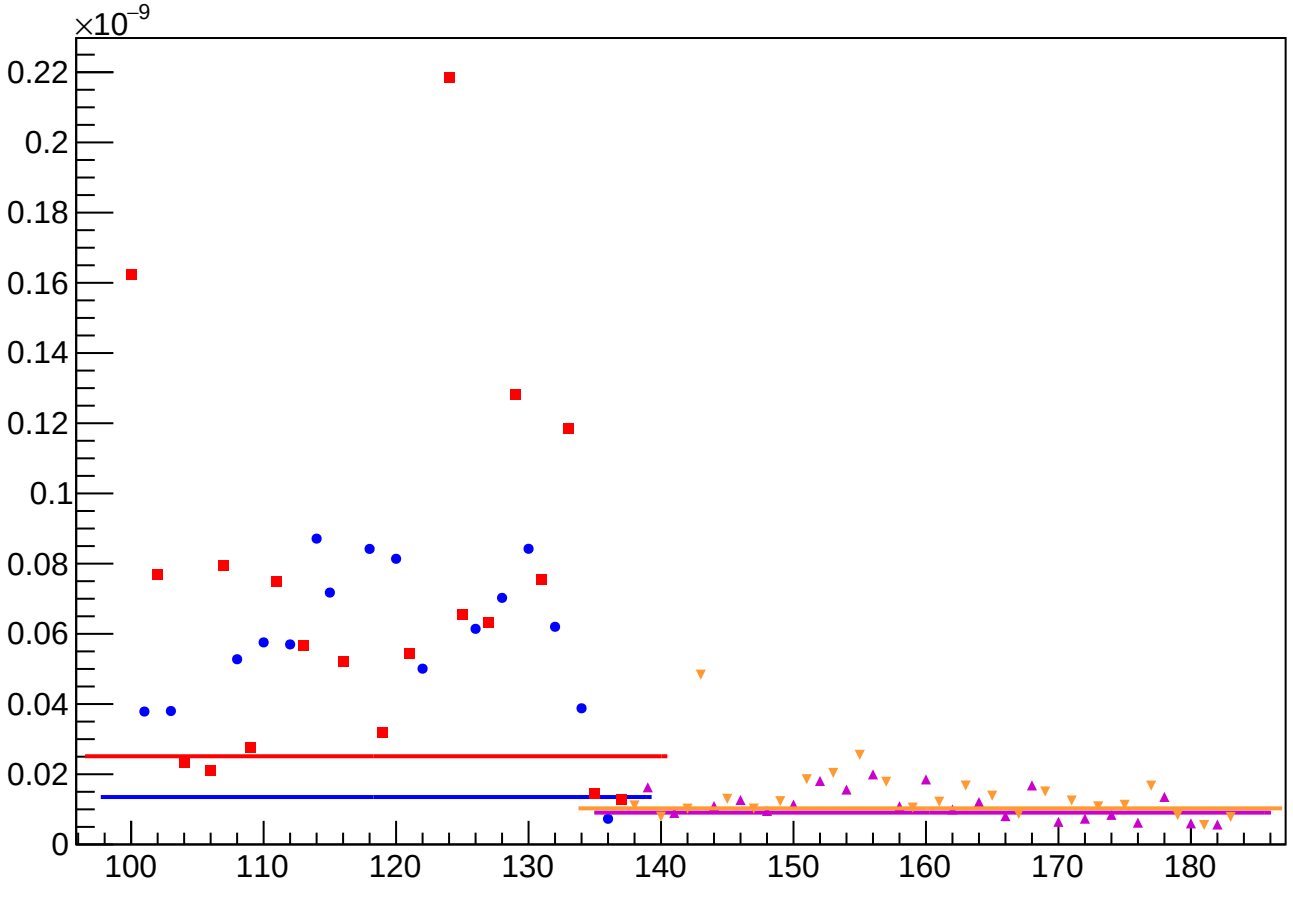
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/21

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/39

All: 0.000+/-0.000 χ^2/NDF: 68.4/80

- sign 0.000+/-0.000 χ^2/NDF: 40.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3631257.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

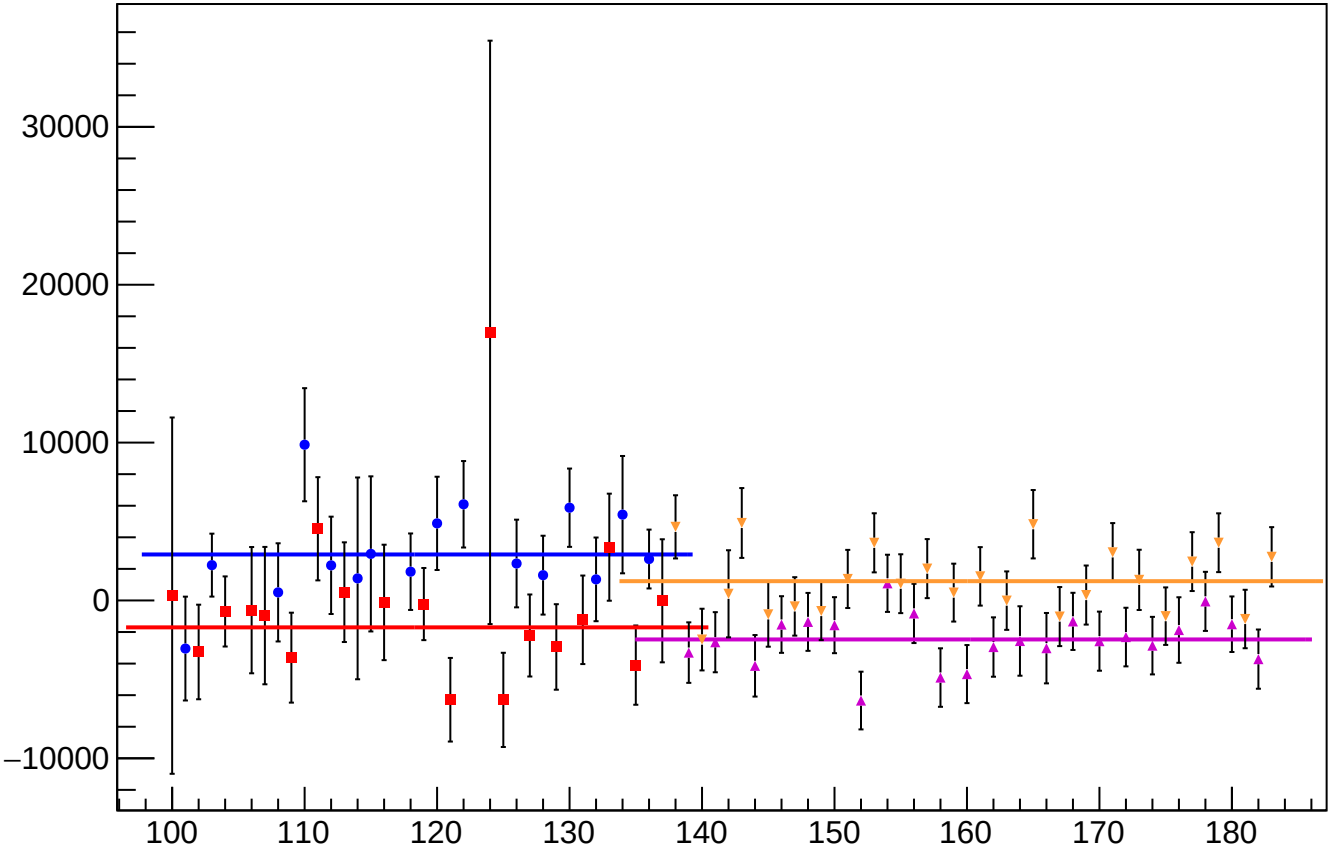
Left In: 0.000+/-0.000 χ^2/NDF:3040935.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 8805686.5/39

All: 0.000+/-0.000 χ^2/NDF: 17724619.7/80

- sign 0.000+/-0.000 χ^2/NDF: 8816832.5/40

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1221.035+/-391.951 χ^2/NDF:26.2/23

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

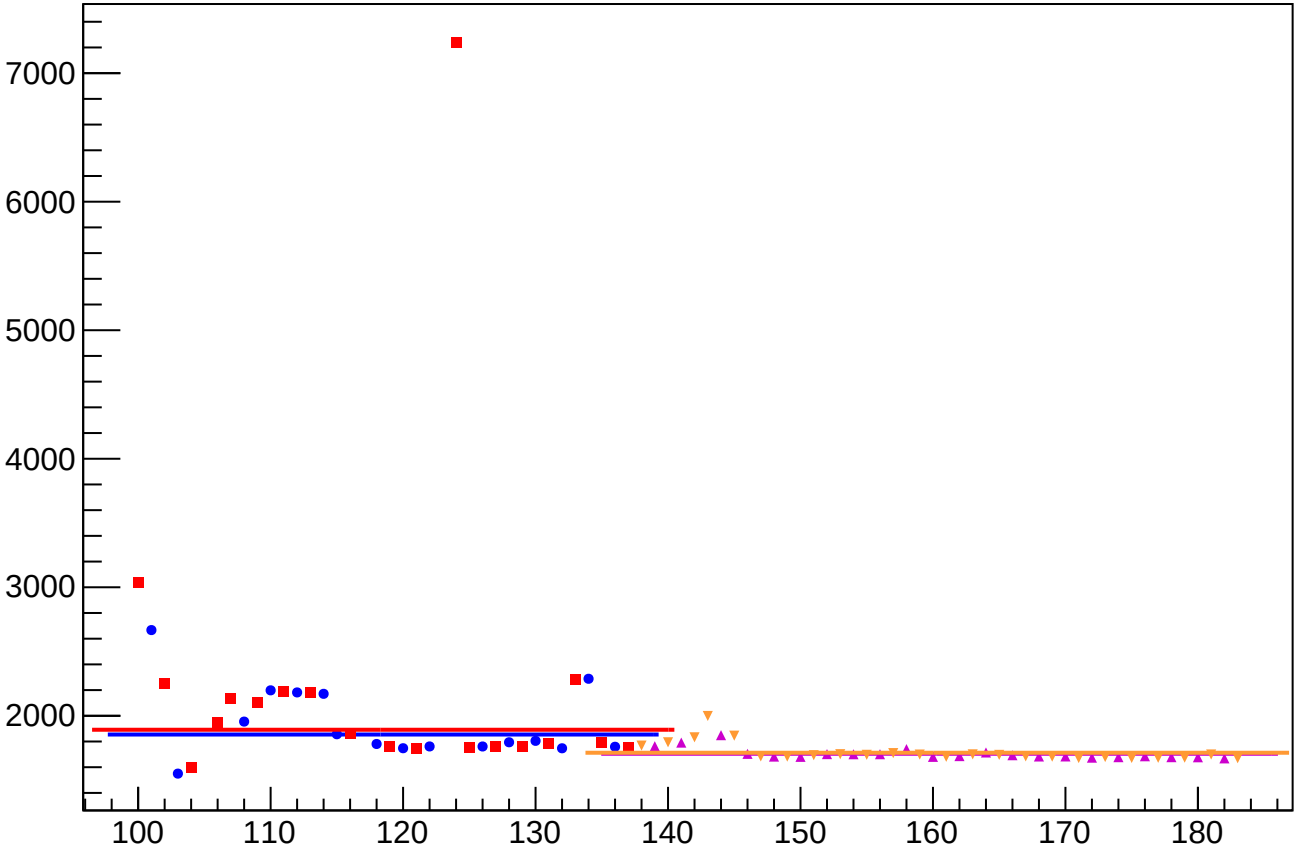
Left In: -2470.305+/-401.364 χ^2/NDF:17.1/21

+ sign 1629.253+/-341.409 χ^2/NDF: 43.1/39

All: -284.077+/-244.060 χ^2/NDF: 141.2/80

- sign -2283.691+/-349.022 χ^2/NDF: 33.8/40

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1712.571+/-0.277 χ^2/NDF:59494.0/23

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

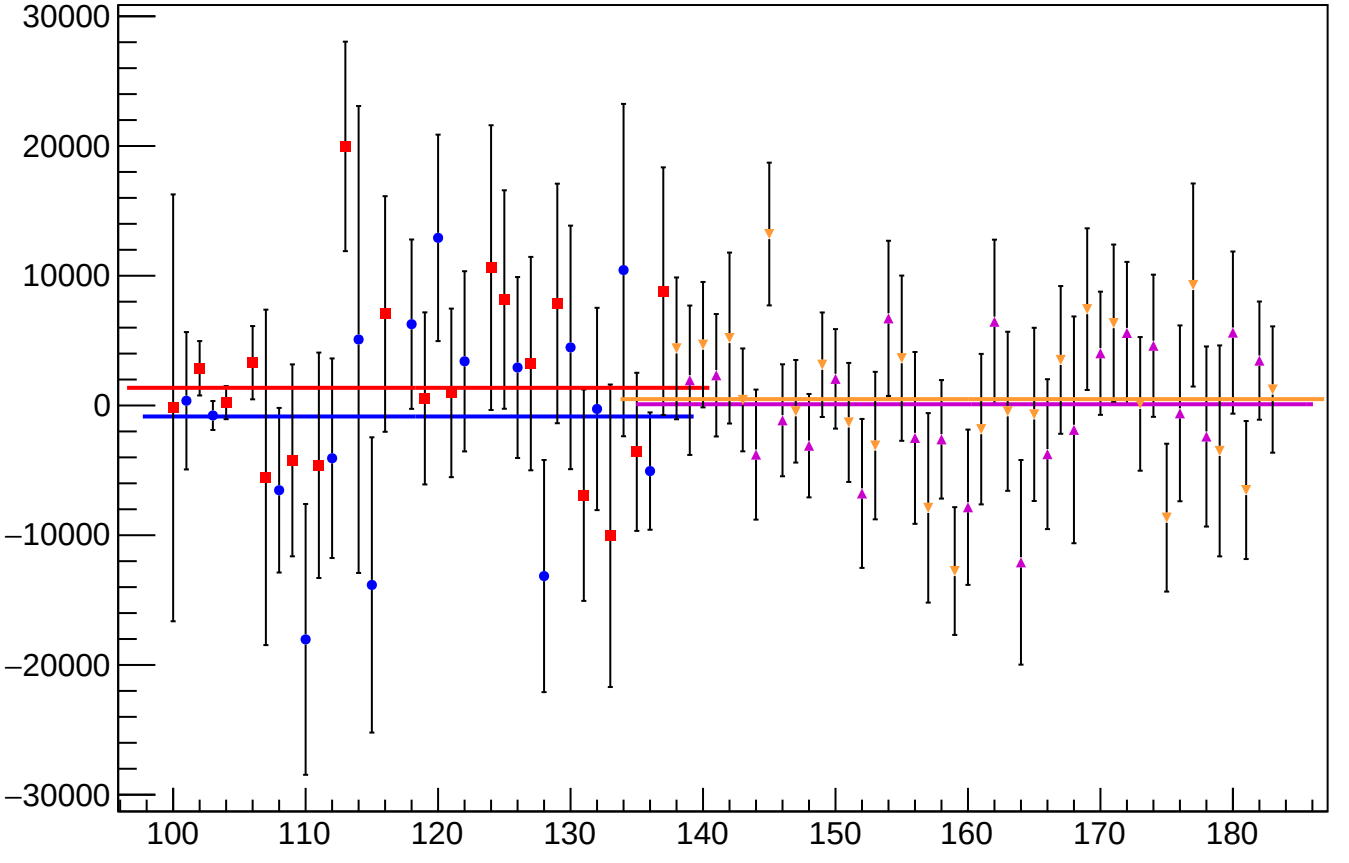
Left In: 1704.500+/-0.284 χ^2/NDF:22360.8/21

+ sign 1746.770+/-0.241 χ^2/NDF: 385922.3/39

All: 1748.470+/-0.173 χ^2/NDF: 878622.0/80

- sign 1750.246+/-0.247 χ^2/NDF: 492598.2/40

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 490.454+/-1101.105 χ^2/NDF:25.5/23

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

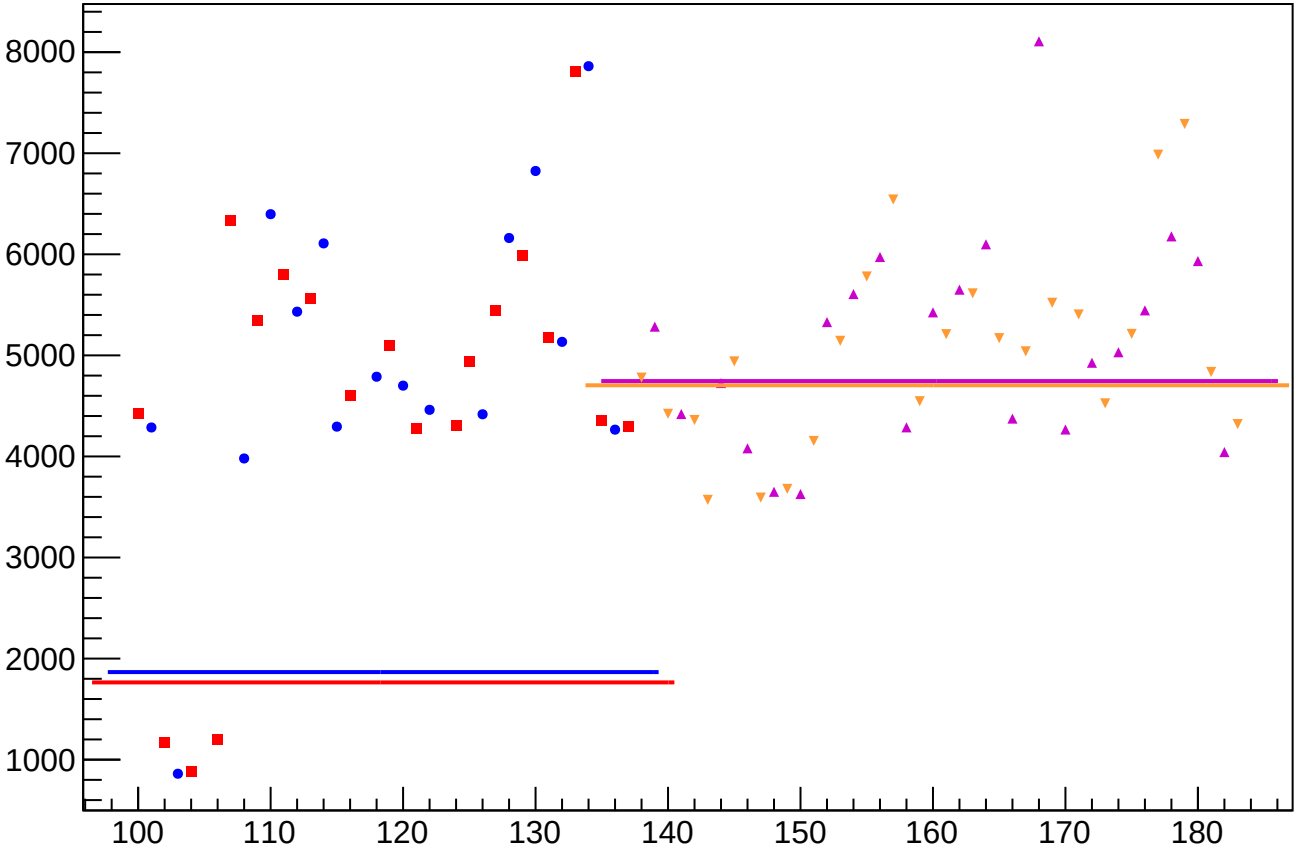
Left In: 95.002+/-1141.101 χ^2/NDF:14.6/21

+ sign -267.969+/-724.849 χ^2/NDF: 40.2/39

All: 306.964+/-508.770 χ^2/NDF: 70.7/80

- sign 865.263+/-714.287 χ^2/NDF: 29.3/40

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4703.933+/-0.779 χ^2/NDF:1235394.6/23

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

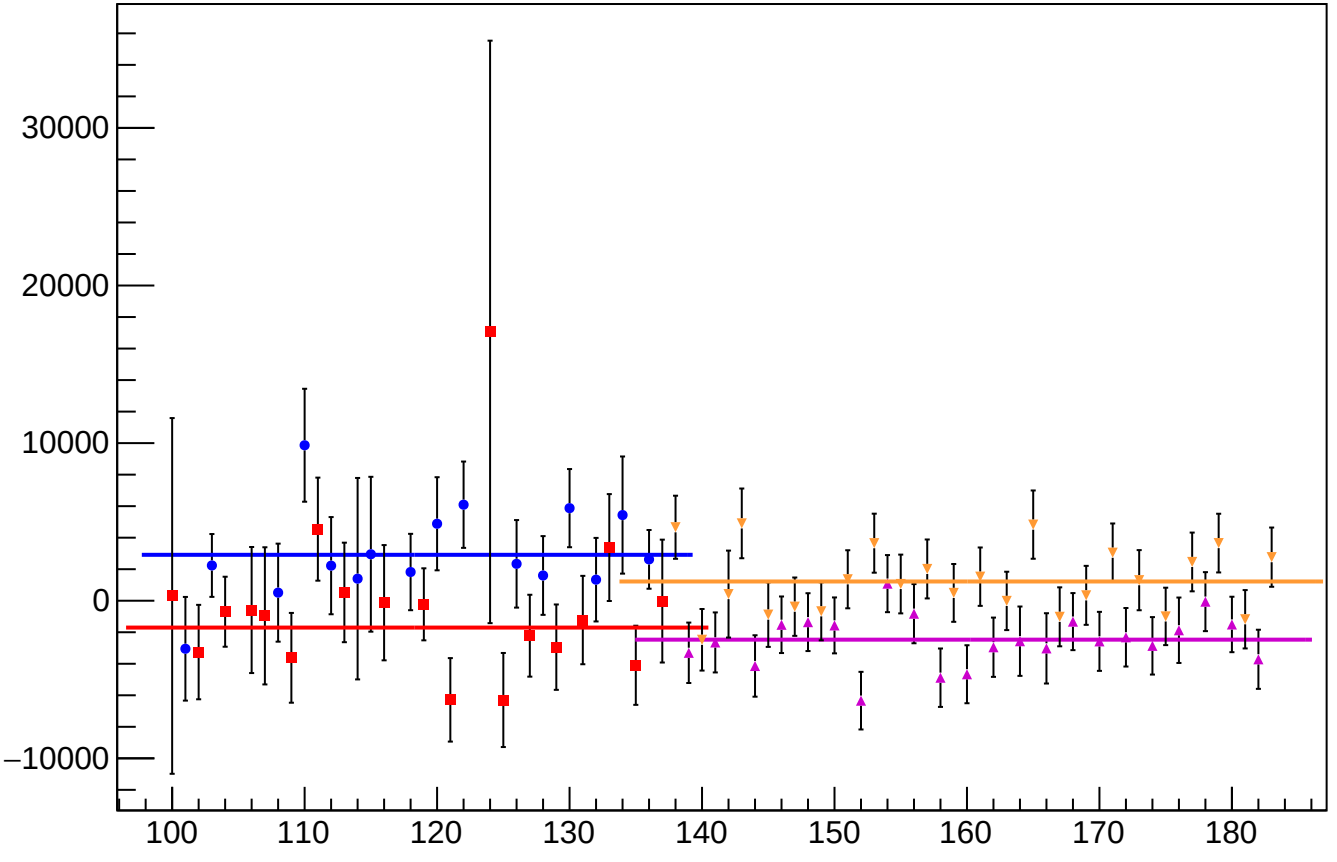
Left In: 4745.842+/-0.807 χ^2/NDF:1230258.3/21

+ sign 3096.046+/-0.513 χ^2/NDF: 15611103.0/39

All: 3013.095+/-0.360 χ^2/NDF: 31631939.7/8

- sign 2932.545+/-0.505 χ^2/NDF: 15969210.1/40

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1220.931+/-391.951 χ^2/NDF:26.2/23

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

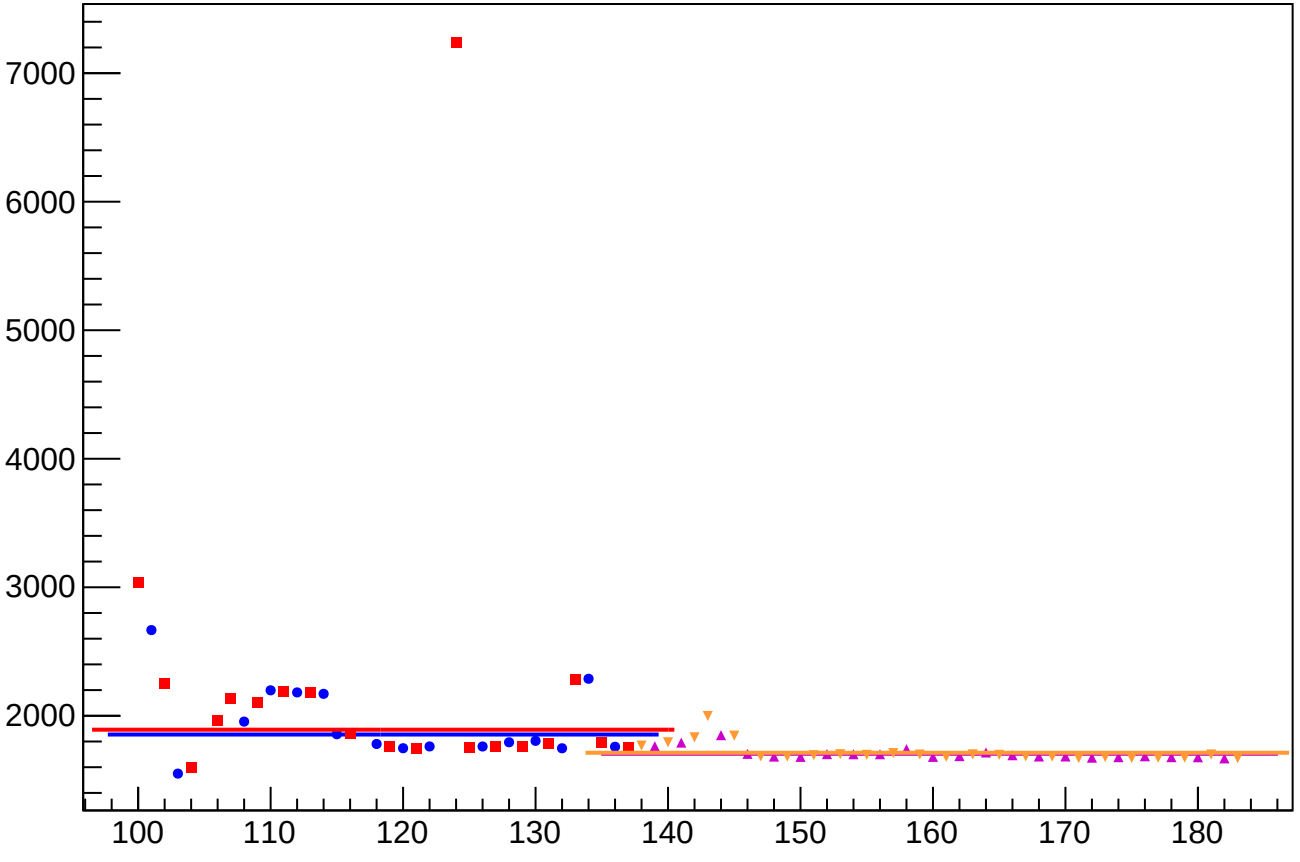
Left In: -2470.246+/-401.364 χ^2/NDF:17.1/21

+ sign 1629.199+/-341.409 χ^2/NDF: 43.1/39

All: -283.918+/-244.060 χ^2/NDF: 141.2/80

- sign -2283.310+/-349.022 χ^2/NDF: 33.9/40

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1712.571+/-0.277 χ^2/NDF:59494.0/23

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

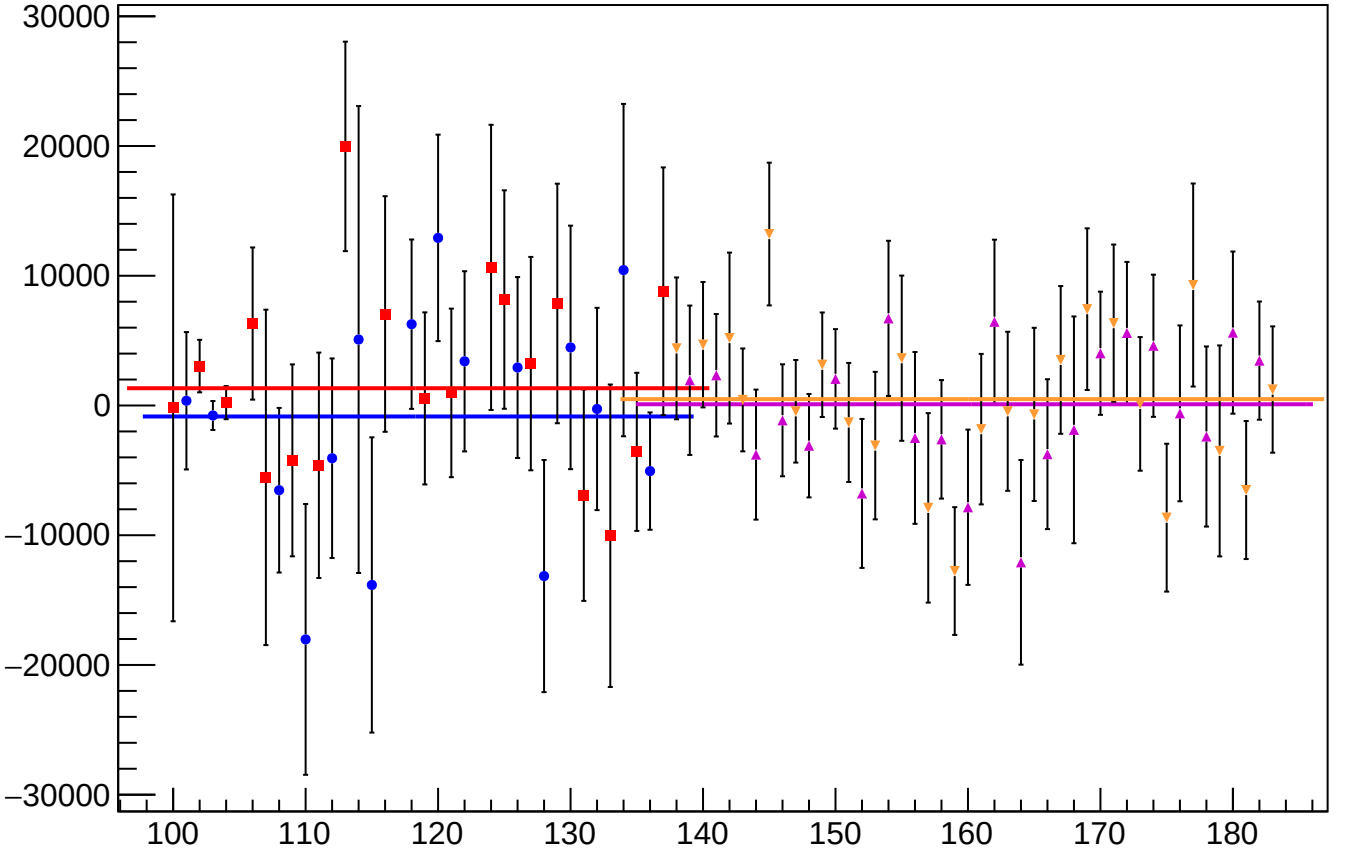
Left In: 1704.500+/-0.284 χ^2/NDF:22360.8/21

+ sign 1746.770+/-0.241 χ^2/NDF: 385922.2/39

All: 1748.517+/-0.173 χ^2/NDF: 879353.8/80

- sign 1750.342+/-0.247 χ^2/NDF: 493324.4/40

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 490.473+/-1101.104 χ^2/NDF:25.5/23

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

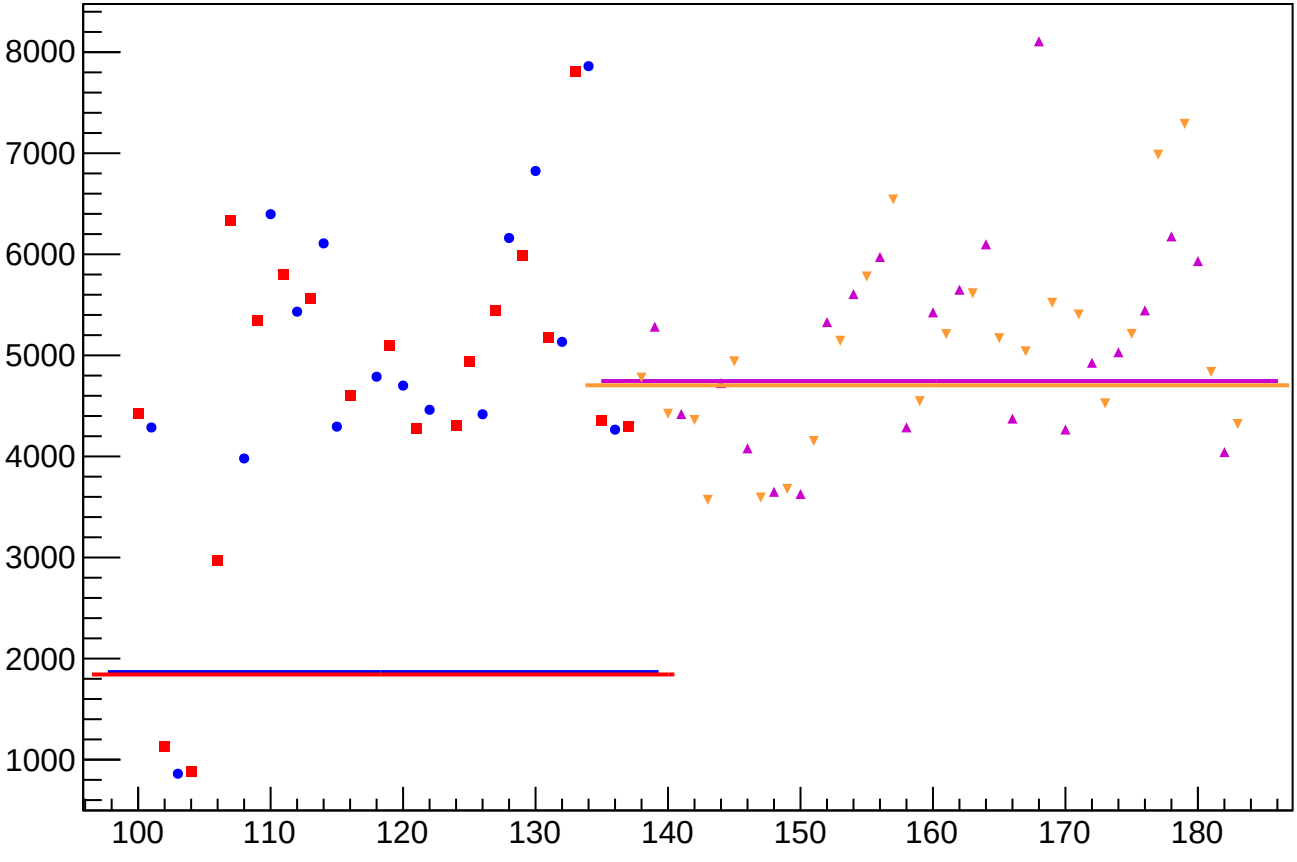
Left In: 95.004+/-1141.101 χ^2/NDF:14.6/21

+ sign -267.728+/-724.826 χ^2/NDF: 40.2/39

All: 275.996+/-514.091 χ^2/NDF: 71.0/80

- sign 826.397+/-729.264 χ^2/NDF: 29.7/40

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4703.928+/-0.779 χ^2/NDF:1235408.7/23

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

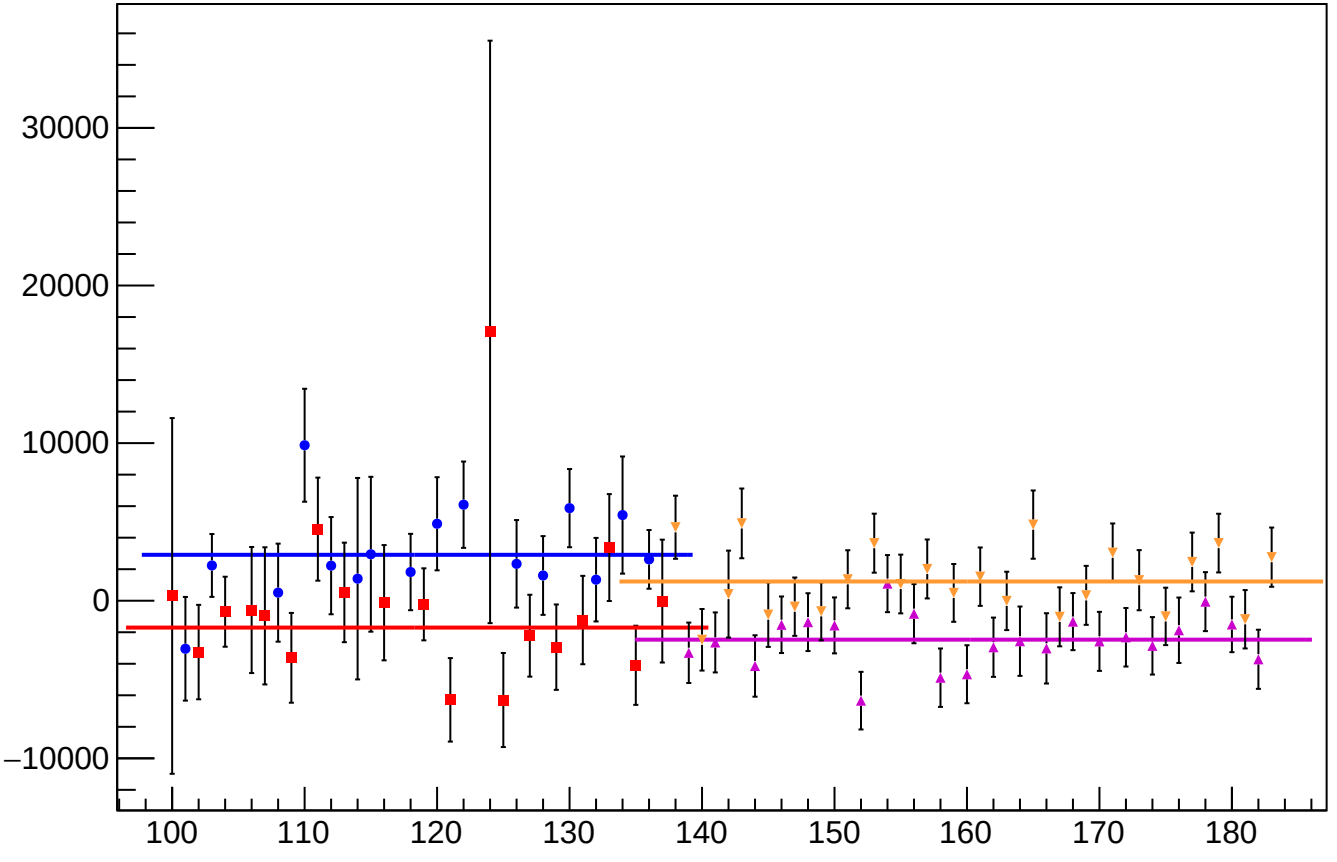
Left In: 4745.841+/-0.807 χ^2/NDF:1230270.2/21

+ sign 3095.881+/-0.513 χ^2/NDF: 15612700.1/39

All: 3062.420+/-0.364 χ^2/NDF: 30967159.2/8

- sign 3028.548+/-0.516 χ^2/NDF: 15345882.3/40

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1220.931+/-391.951 χ^2/NDF:26.2/23

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

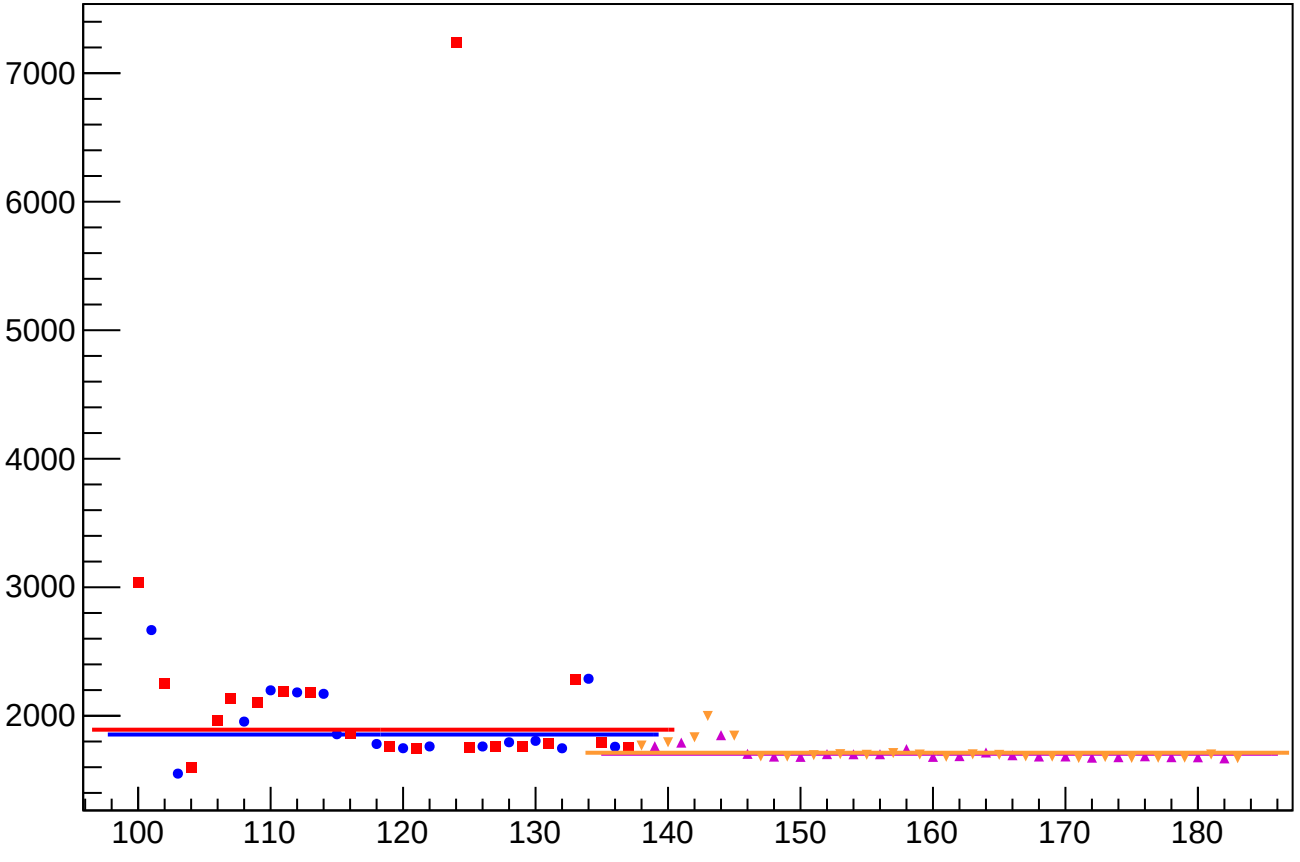
Left In: -2470.246+/-401.364 χ^2/NDF:17.1/21

+ sign 1629.199+/-341.409 χ^2/NDF: 43.1/39

All: -283.918+/-244.060 χ^2/NDF: 141.2/80

- sign -2283.310+/-349.022 χ^2/NDF: 33.9/40

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1712.571+/-0.277 χ^2/NDF:59494.0/23

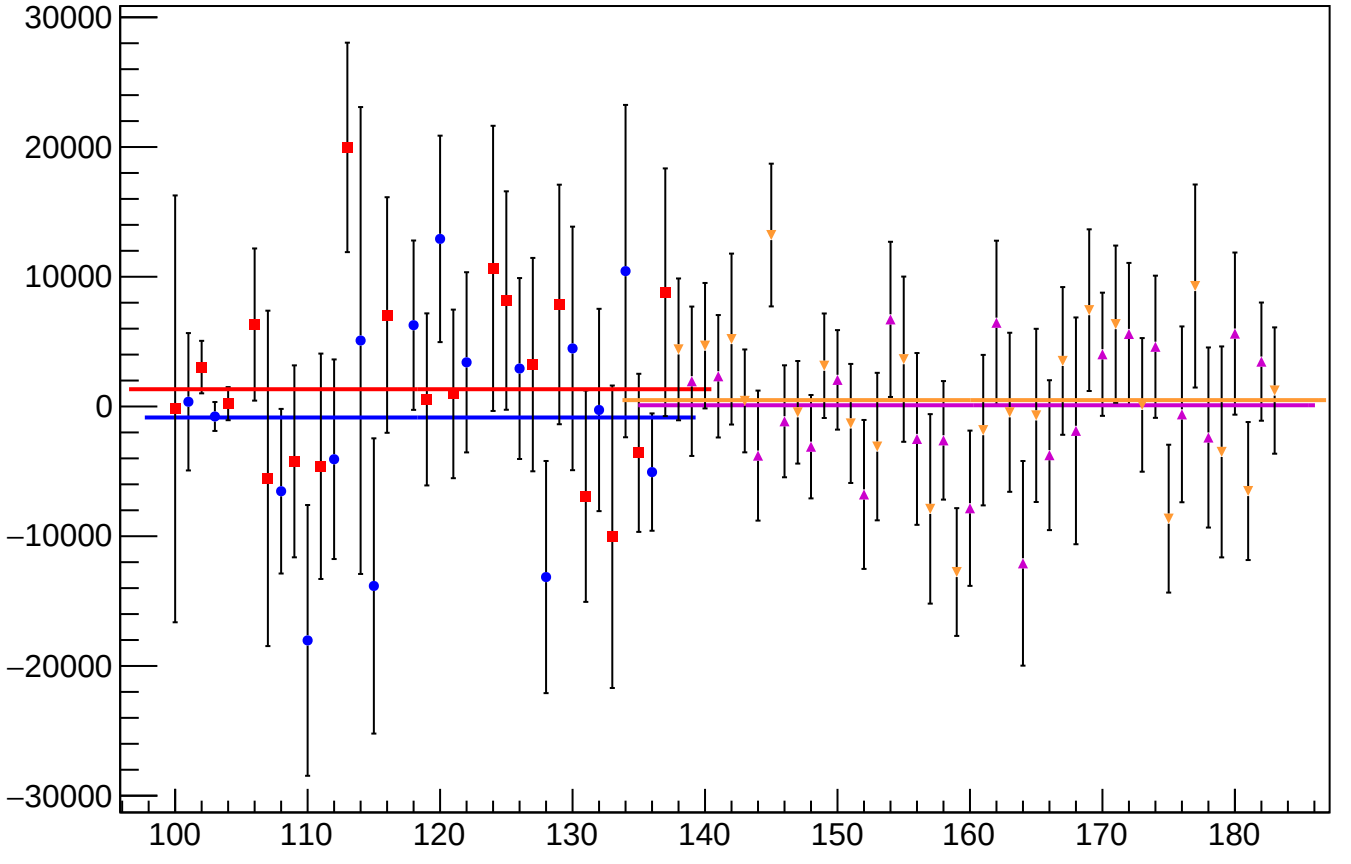
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1704.500+/-0.284 χ^2/NDF:22360.8/21

+ sign 1746.770+/-0.241 χ^2/NDF: 385922.2/39

All: 1748.517+/-0.173 χ^2/NDF: 879353.8/80

- sign 1750.342+/-0.247 χ^2/NDF: 493324.4/40



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 490.473+/-1101.104 χ^2/NDF:25.5/23

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

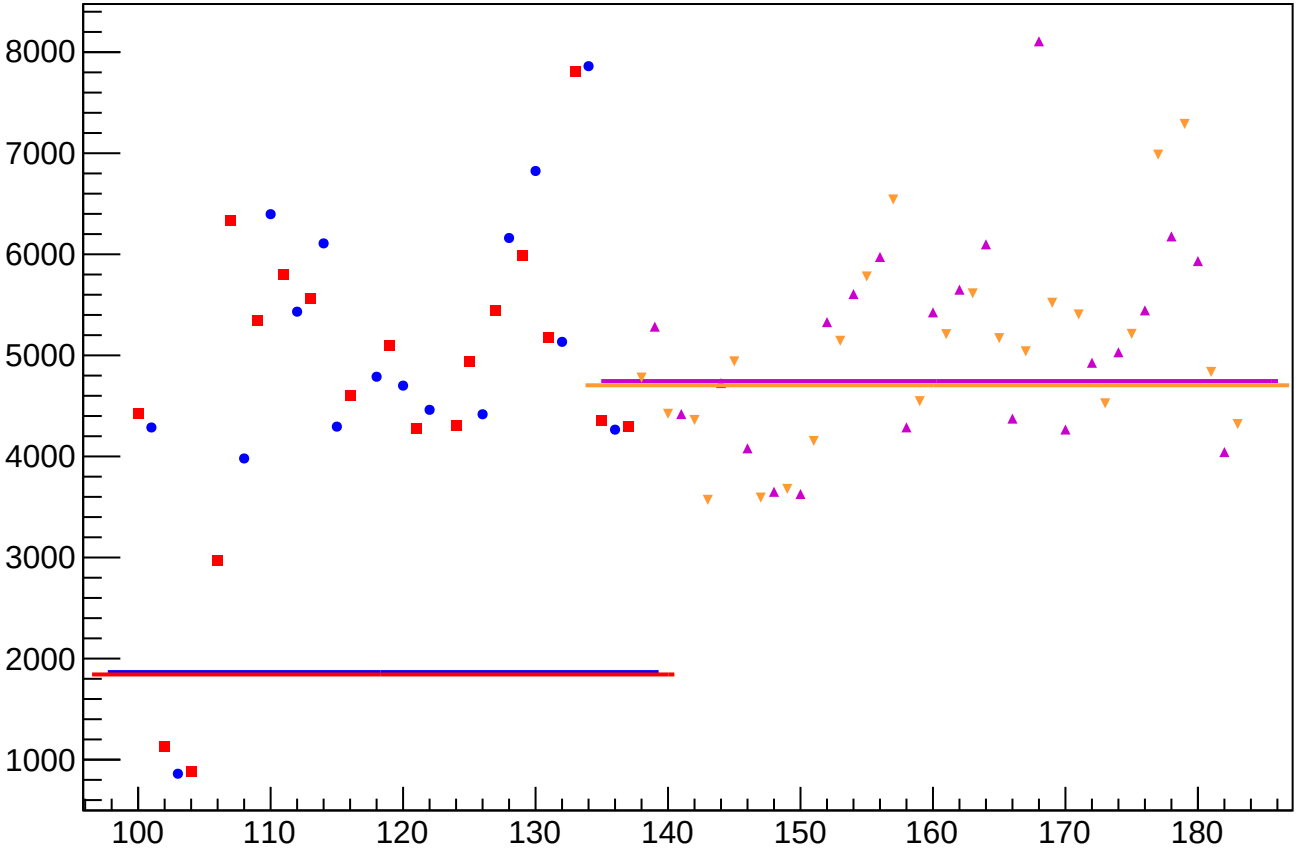
Left In: 95.004+/-1141.101 χ^2/NDF:14.6/21

+ sign -267.728+/-724.826 χ^2/NDF: 40.2/39

All: 275.996+/-514.091 χ^2/NDF: 71.0/80

- sign 826.397+/-729.264 χ^2/NDF: 29.7/40

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4703.928+/-0.779 χ^2/NDF:1235408.7/23

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

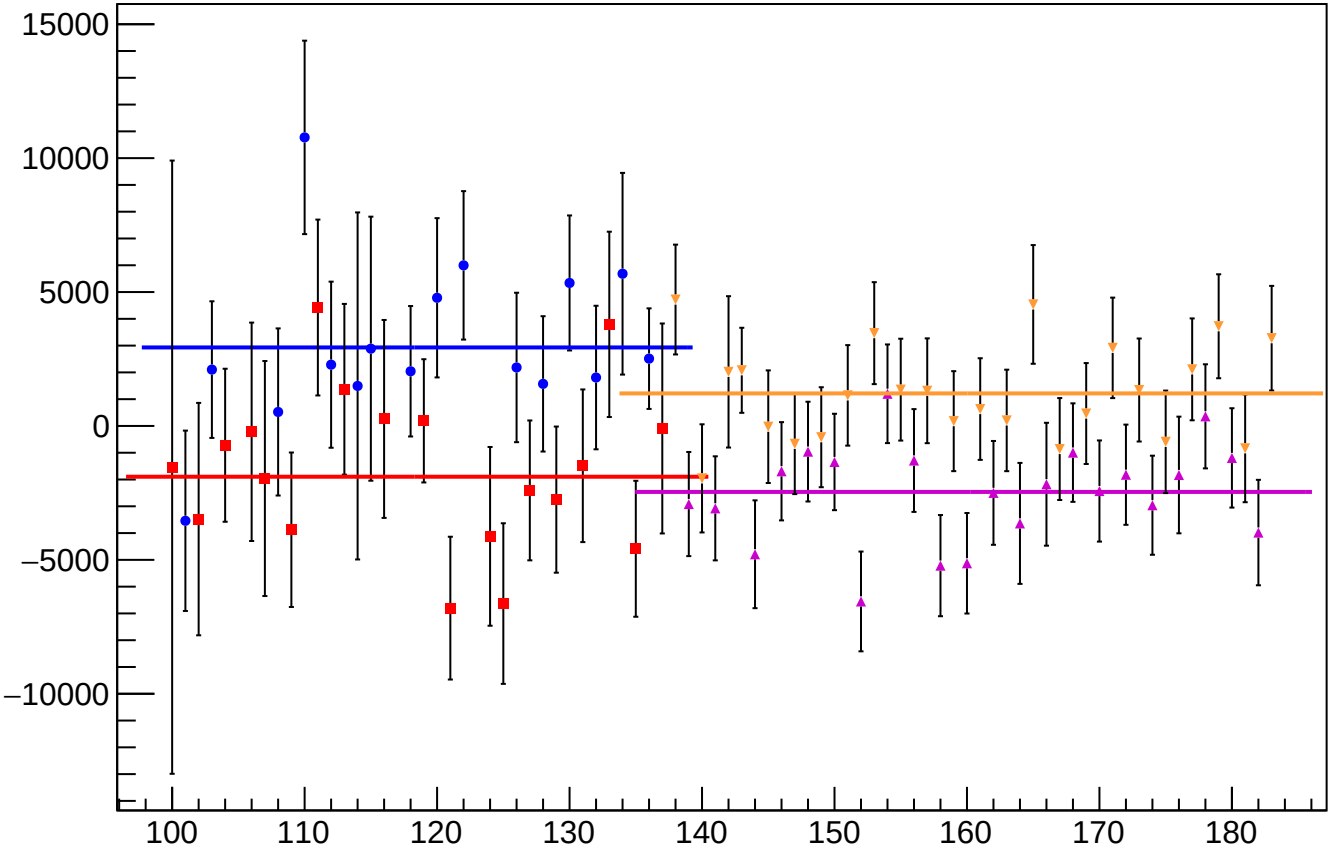
Left In: 4745.841+/-0.807 χ^2/NDF:1230270.2/21

+ sign 3095.881+/-0.513 χ^2/NDF: 15612700.1/39

All: 3062.420+/-0.364 χ^2/NDF: 30967159.2/8

- sign 3028.548+/-0.516 χ^2/NDF: 15345882.3/40

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1215.362+/-395.831 χ^2/NDF:19.3/23

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

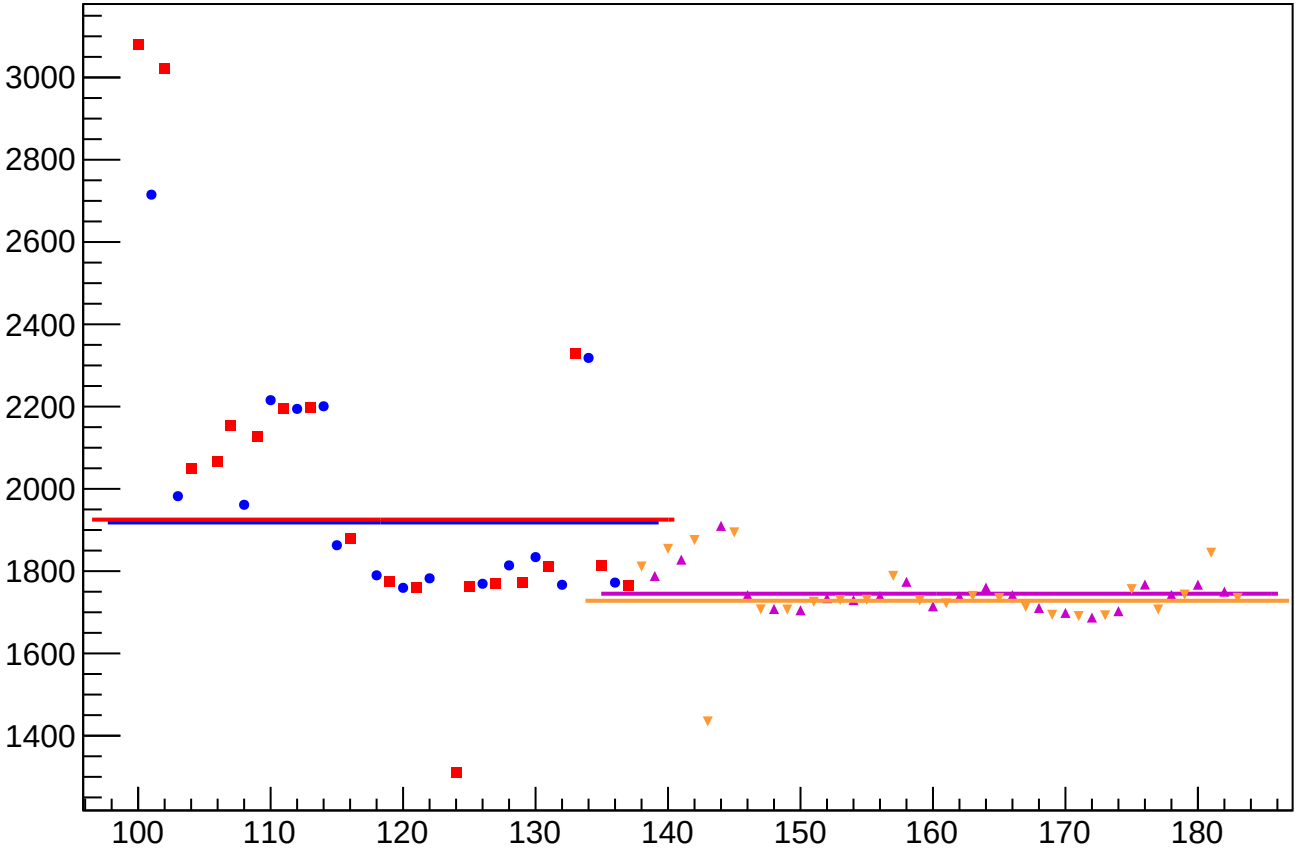
Left In: -2463.377+/-411.029 χ^2/NDF:20.4/21

+ sign 1615.155+/-346.678 χ^2/NDF: 36.7/39

All: -295.751+/-248.774 χ^2/NDF: 137.6/80

- sign -2324.367+/-357.196 χ^2/NDF: 38.2/40

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1728.053+/-0.280 χ^2/NDF:109675.8/23

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

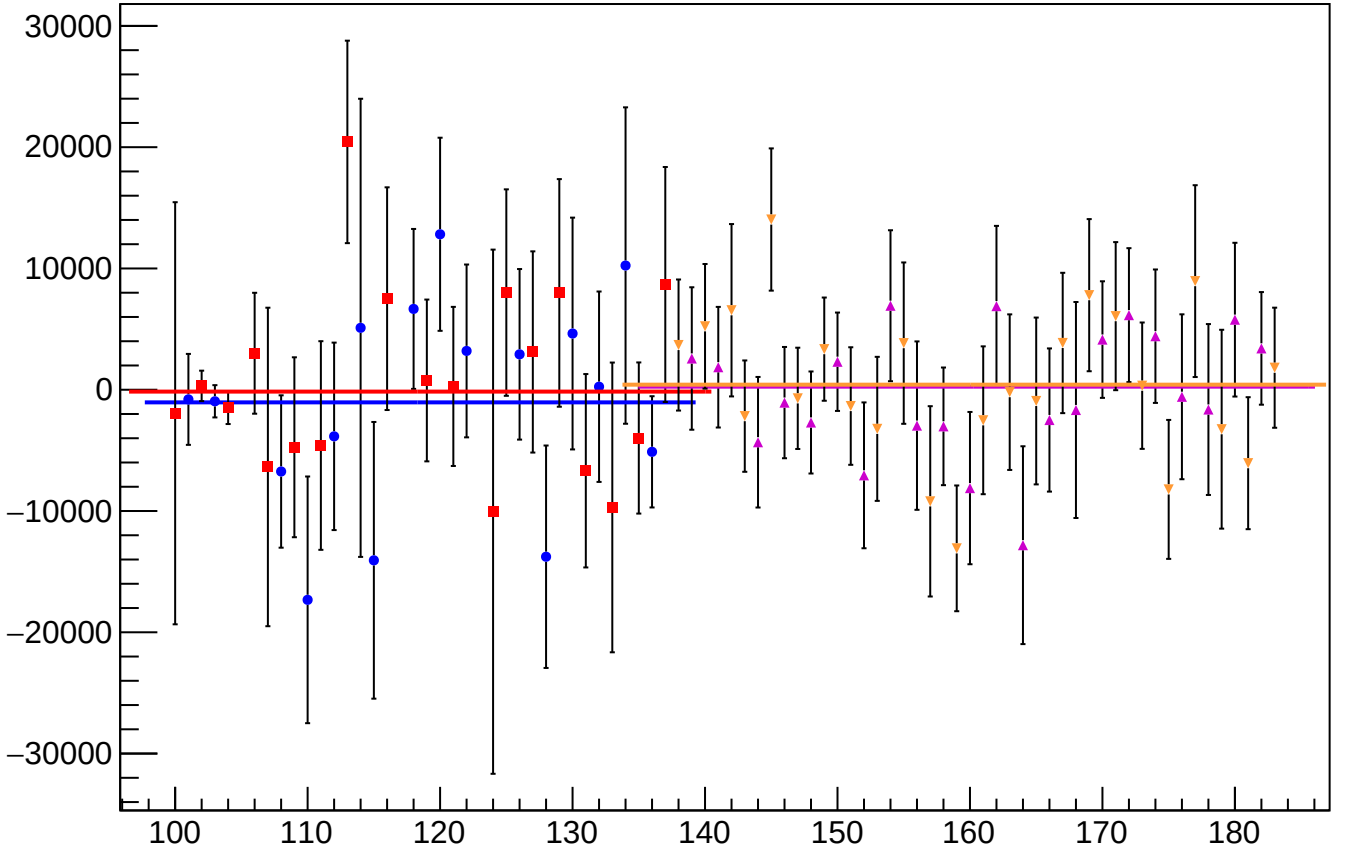
Left In: 1745.177+/-0.291 χ^2/NDF:26589.9/21

+ sign 1772.384+/-0.245 χ^2/NDF: 432961.5/39

All: 1780.598+/-0.176 χ^2/NDF: 895055.0/80

- sign 1789.314+/-0.253 χ^2/NDF: 459779.4/40

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 417.865+/-1150.705 χ^2/NDF:25.3/23

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

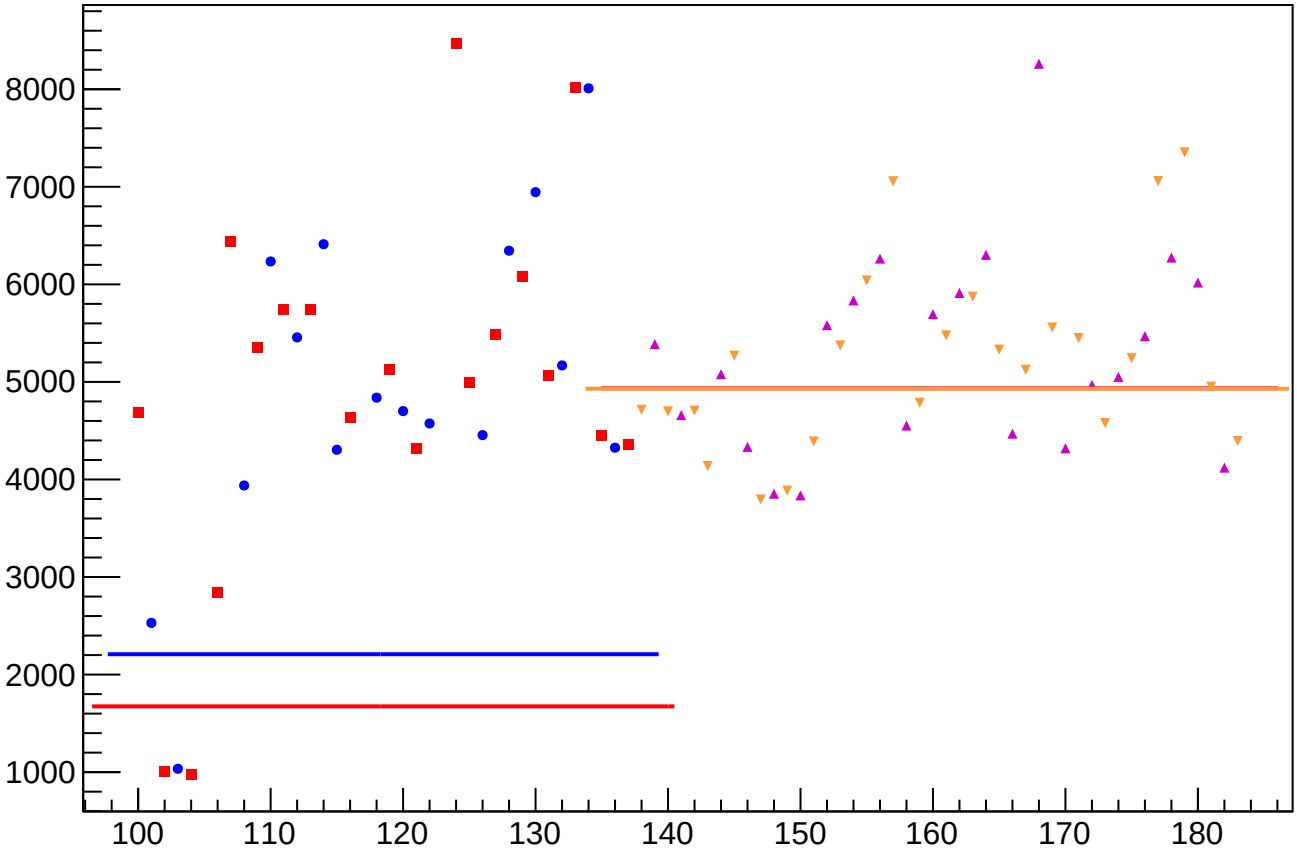
Left In: 254.156+/-1184.978 χ^2/NDF:14.4/21

+ sign -363.372+/-784.527 χ^2/NDF: 40.0/39

All: -166.989+/-515.101 χ^2/NDF: 68.3/80

- sign -18.181+/-682.921 χ^2/NDF: 28.2/40

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4930.175+/-0.814 χ^2/NDF:1044966.5/23

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

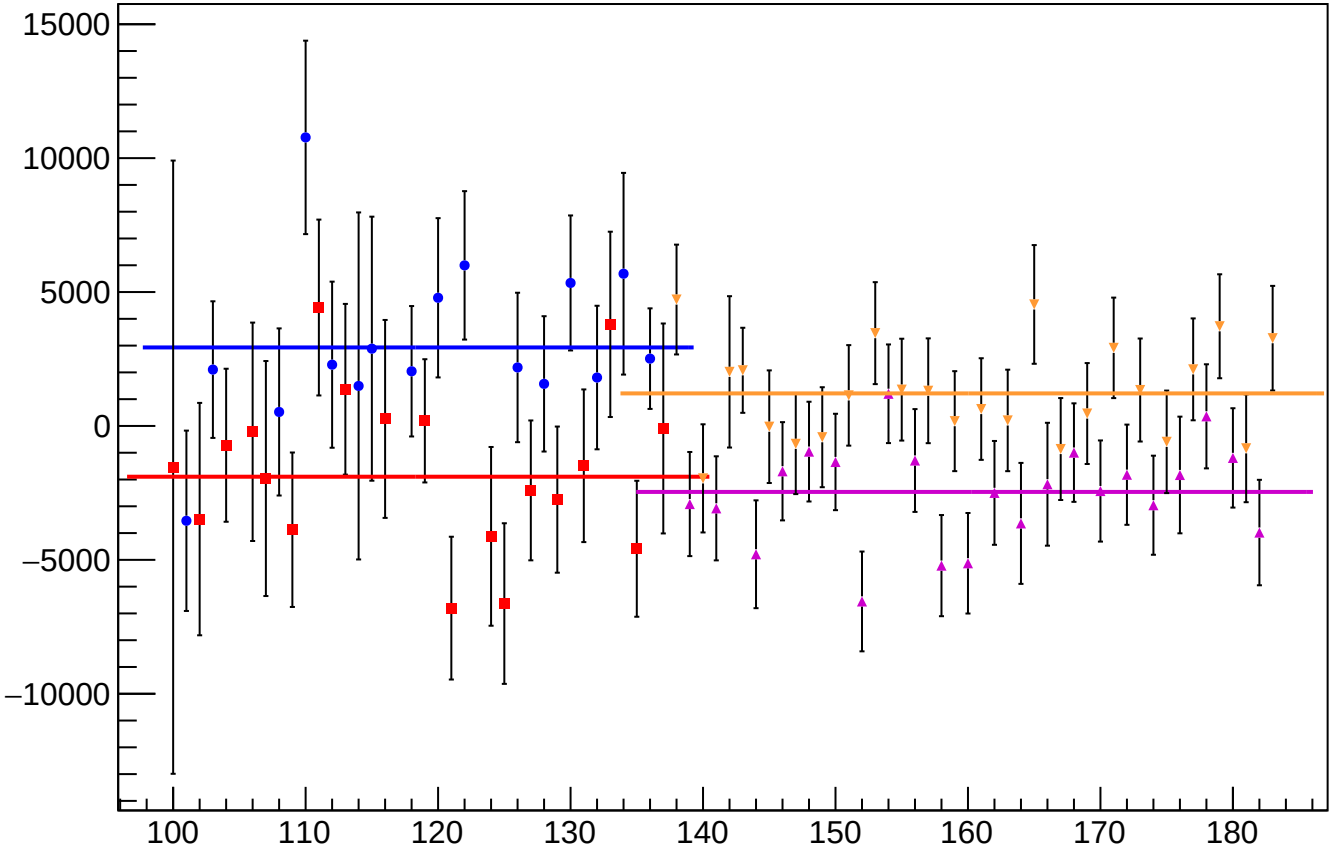
Left In: 4934.937+/-0.838 χ^2/NDF:1141998.4/21

+ sign 3473.818+/-0.555 χ^2/NDF: 12530025.2/39

All: 3066.123+/-0.364 χ^2/NDF: 31588947.4/8

- sign 2757.192+/-0.483 χ^2/NDF: 18109538.0/40

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1215.357+/-395.832 χ^2/NDF:19.3/23

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

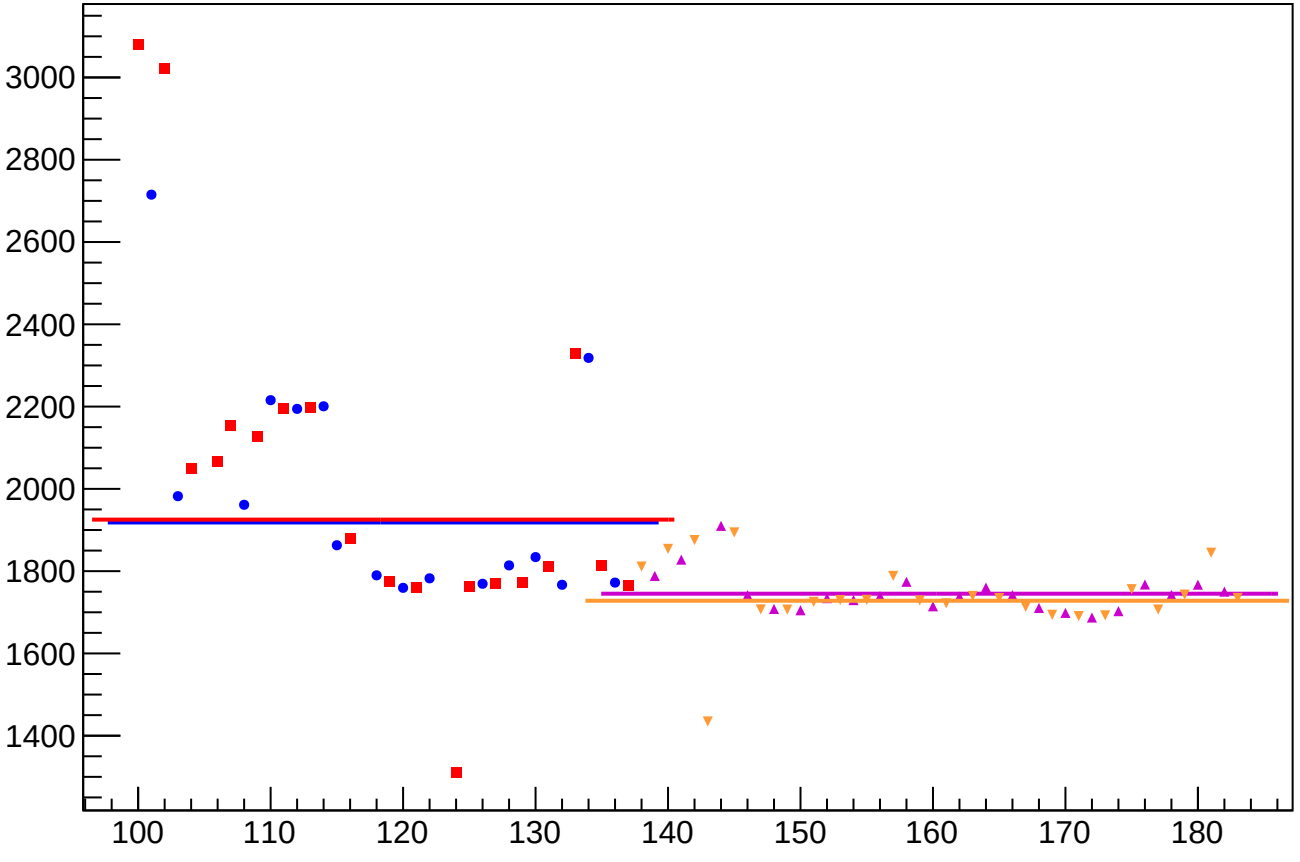
Left In: -2463.378+/-411.030 χ^2/NDF:20.4/21

+ sign 1615.151+/-346.678 χ^2/NDF: 36.7/39

All: -295.754+/-248.774 χ^2/NDF: 137.6/80

- sign -2324.368+/-357.196 χ^2/NDF: 38.2/40

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1728.054+/-0.280 χ^2/NDF:109674.8/23

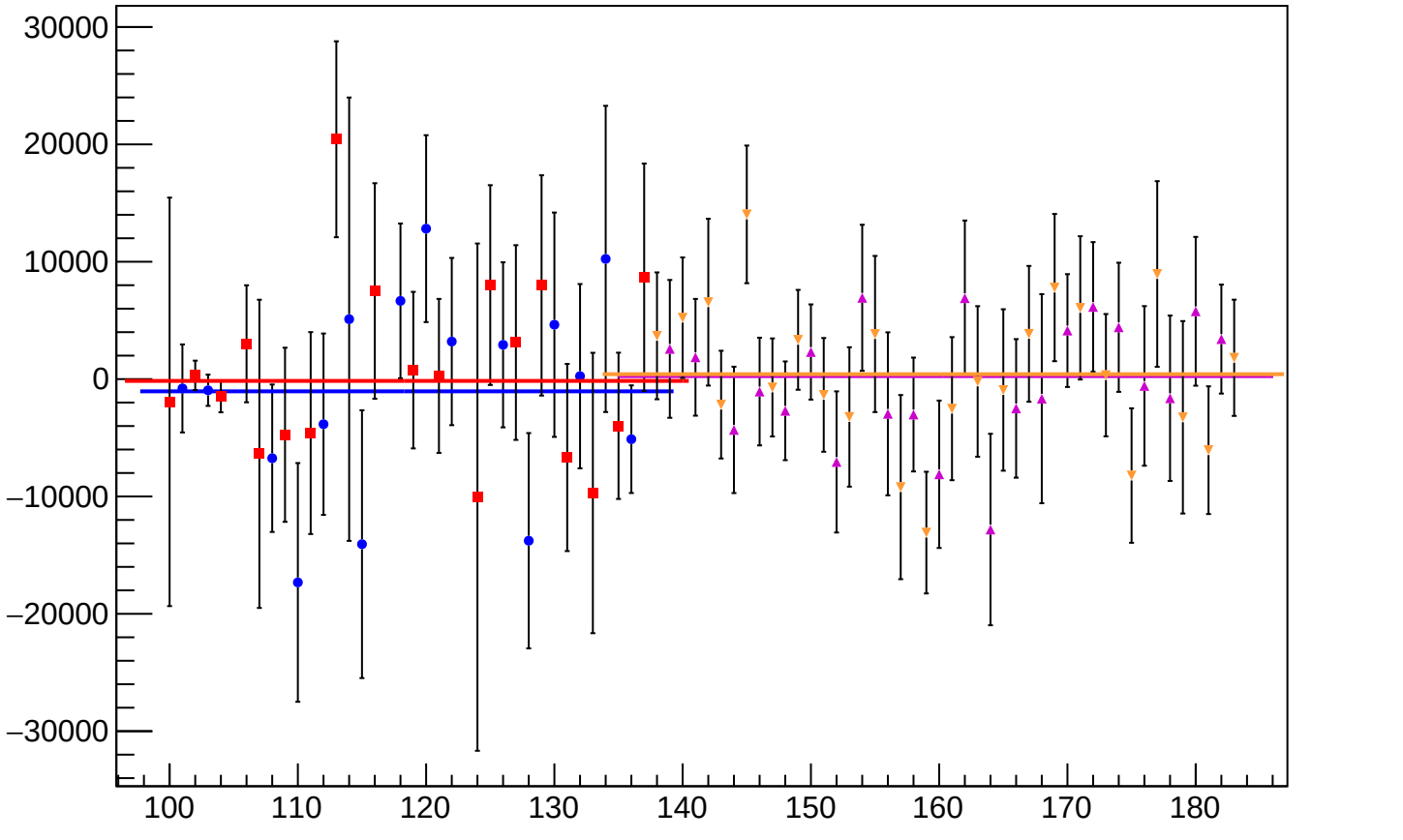
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1745.178+/-0.291 χ^2/NDF:26589.9/21

+ sign 1772.384+/-0.245 χ^2/NDF: 432959.0/39

All: 1780.598+/-0.176 χ^2/NDF: 895050.2/80

- sign 1789.315+/-0.253 χ^2/NDF: 459777.0/40



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 417.863+/-1150.707 χ^2/NDF:25.3/23

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

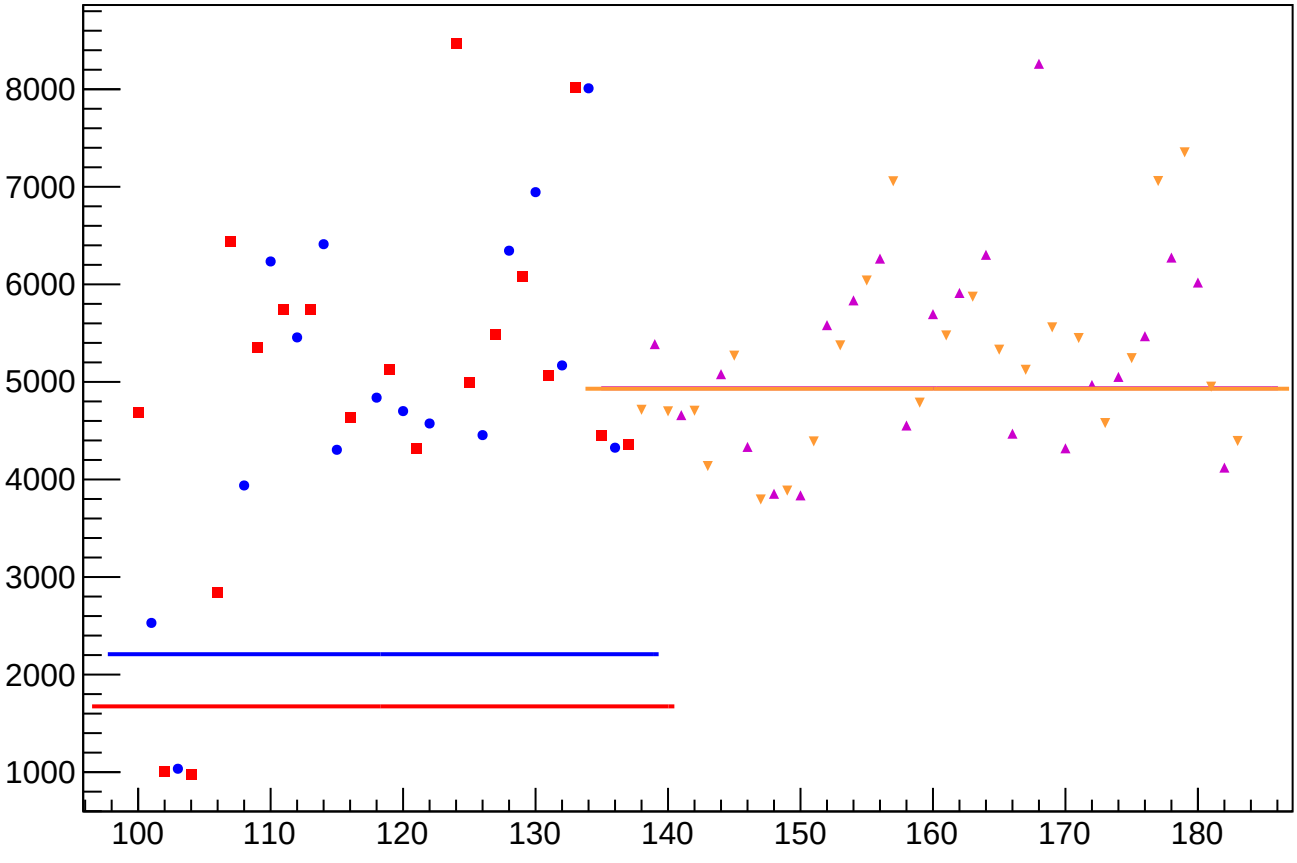
Left In: 254.159+/-1184.980 χ^2/NDF:14.4/21

\+ sign -363.373+/-784.527 χ^2/NDF: 40.0/39

All: -166.988+/-515.101 χ^2/NDF: 68.3/80

\- sign -18.177+/-682.921 χ^2/NDF: 28.2/40

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4930.183+/-0.814 χ^2/NDF:1044967.9/23

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

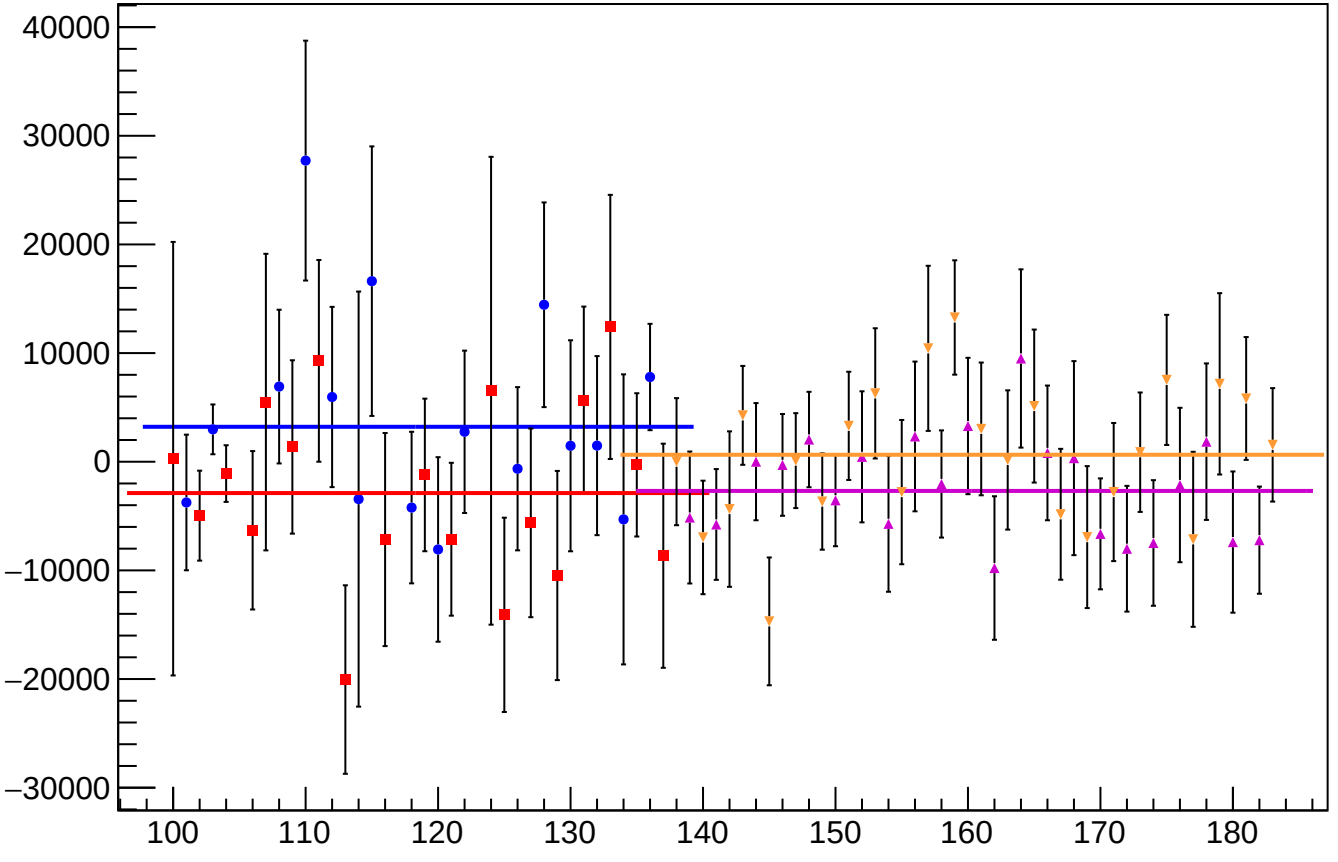
Left In: 4934.945+/-0.838 χ^2/NDF:1142001.8/21

+ sign 3473.818+/-0.555 χ^2/NDF: 12530052.1/39

All: 3066.122+/-0.364 χ^2/NDF: 31589002.9/8

- sign 2757.192+/-0.483 χ^2/NDF: 18109564.7/40

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 641.845+/-1181.793 χ^2/NDF:26.7/23

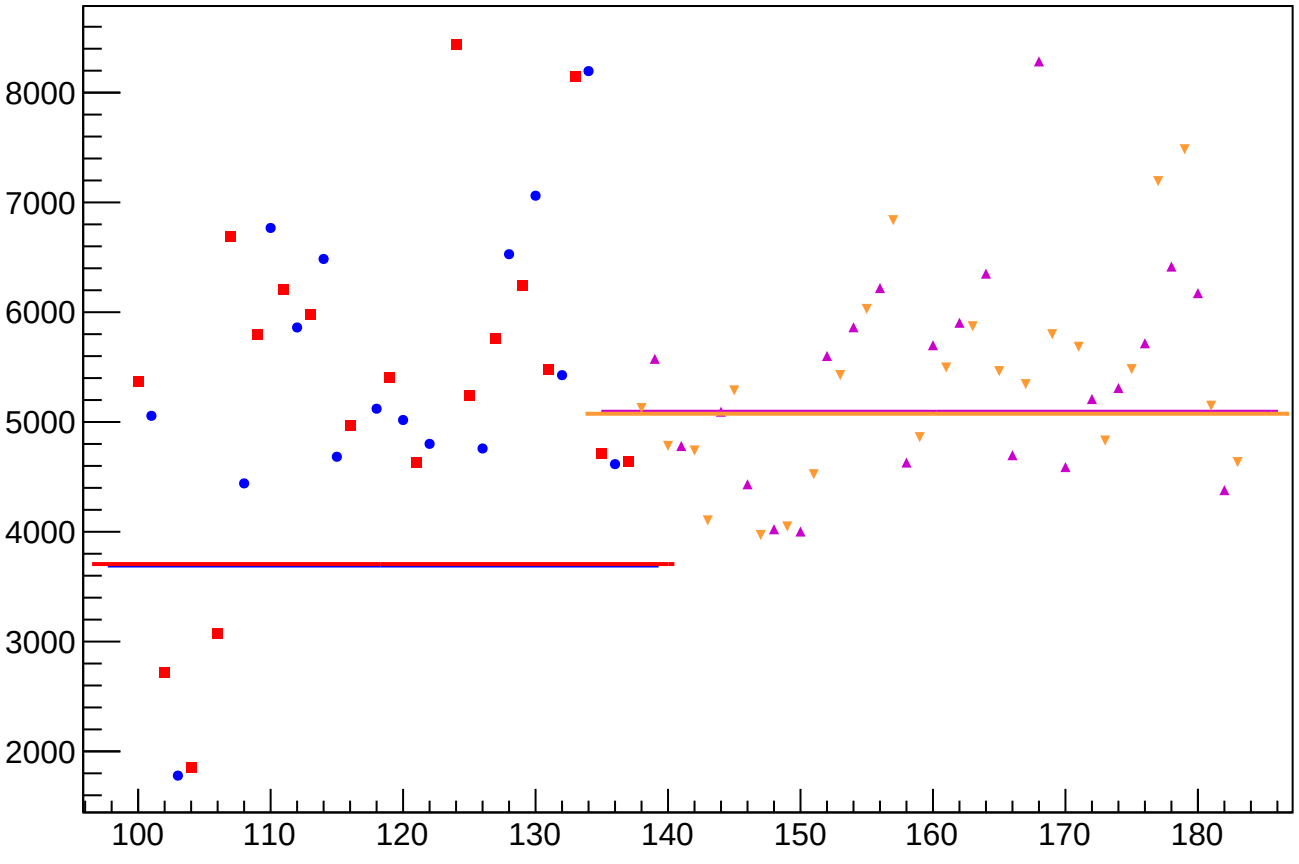
Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: -2686.266+/-1219.550 χ^2/NDF:11.9/21

+ sign 1596.376+/-937.381 χ^2/NDF: 42.2/39

All: -533.019+/-670.323 χ^2/NDF: 78.1/80

- sign -2761.519+/-958.946 χ^2/NDF: 25.3/40



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5075.230+/-0.836 χ^2/NDF:949606.6/23

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

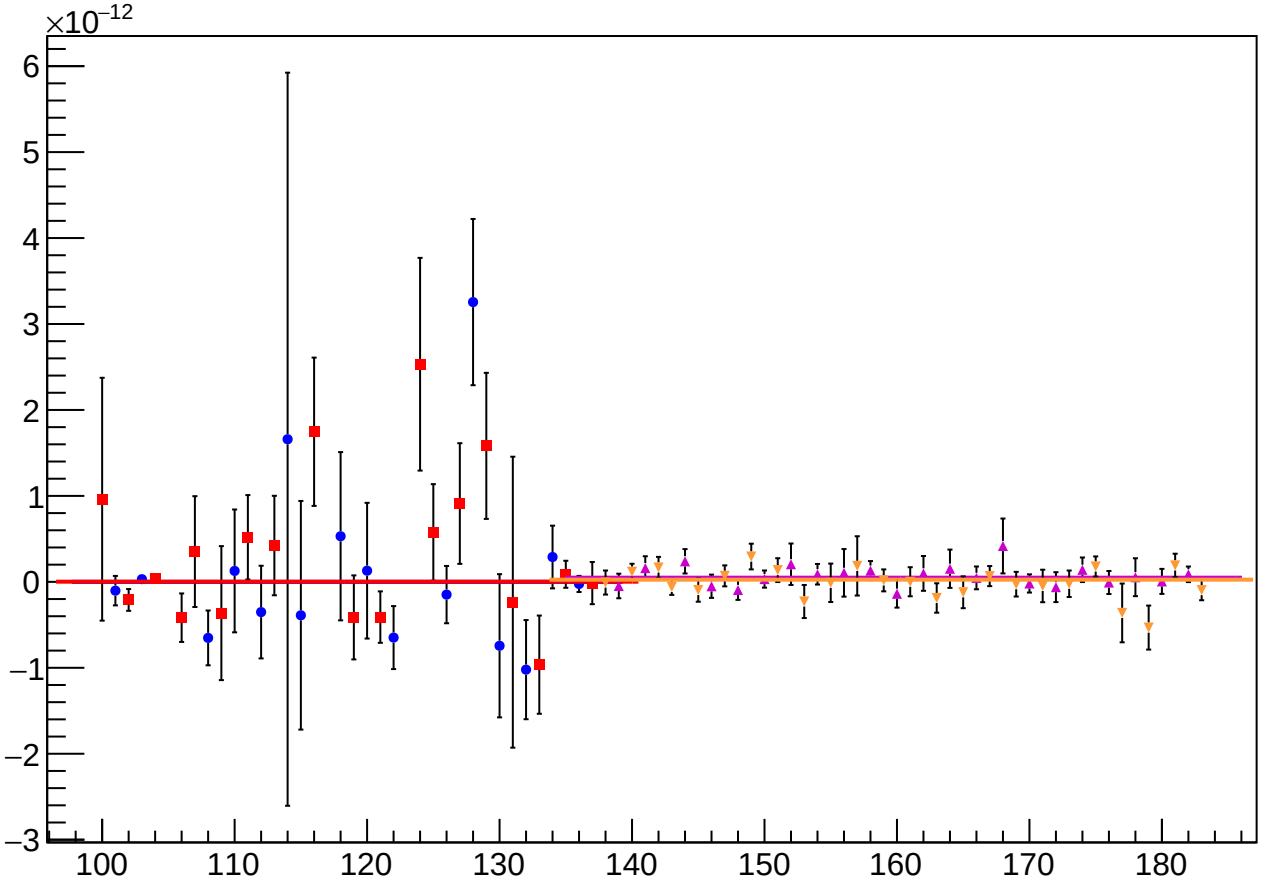
Left In: 5093.250+/-0.862 χ^2/NDF:989858.1/21

+ sign 4562.551+/-0.663 χ^2/NDF: 4850181.6/39

All: 4559.908+/-0.473 χ^2/NDF: 9524587.2/80

- sign 4557.164+/-0.675 χ^2/NDF: 4674373.2/40

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/23

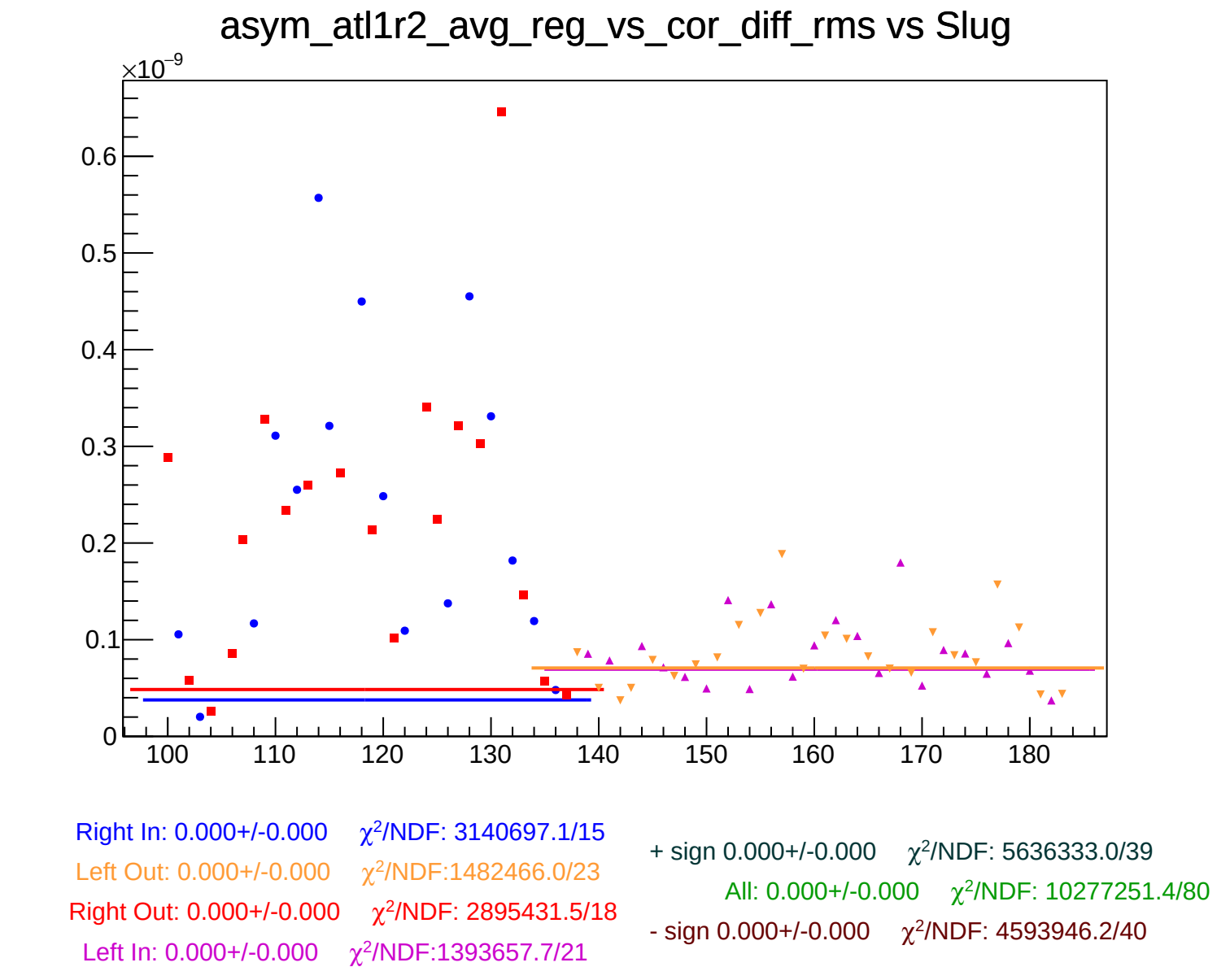
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/21

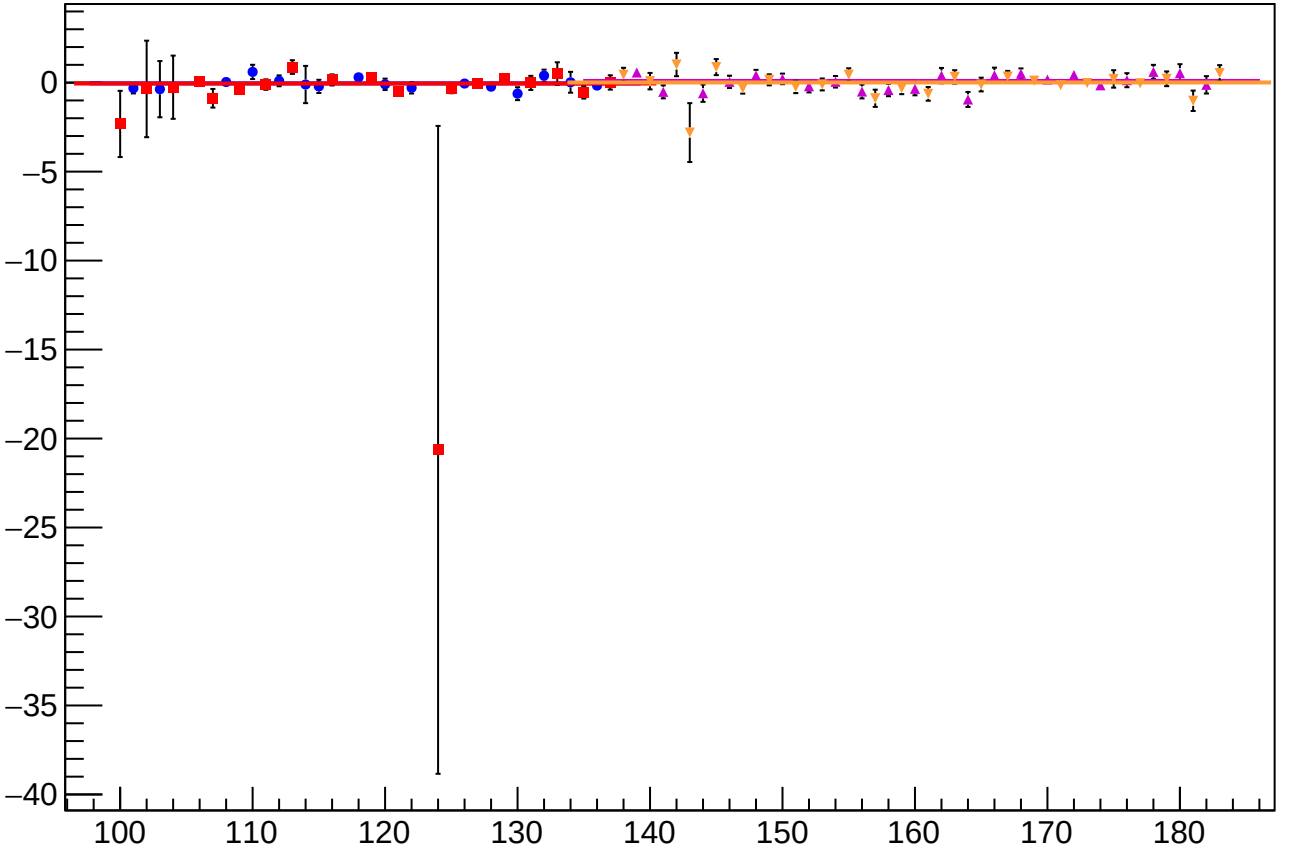
+ sign 0.000+/-0.000 χ^2/NDF: 48.6/39

All: 0.000+/-0.000 χ^2/NDF: 88.7/80

- sign 0.000+/-0.000 χ^2/NDF: 39.8/40


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1482466.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:1393657.7/21
+ sign 0.000+/-0.000 χ²/NDF: 5636333.0/39
All: 0.000+/-0.000 χ²/NDF: 10277251.4/80
- sign 0.000+/-0.000 χ²/NDF: 4593946.2/40

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.011+/-0.071 χ^2/NDF:28.2/23

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

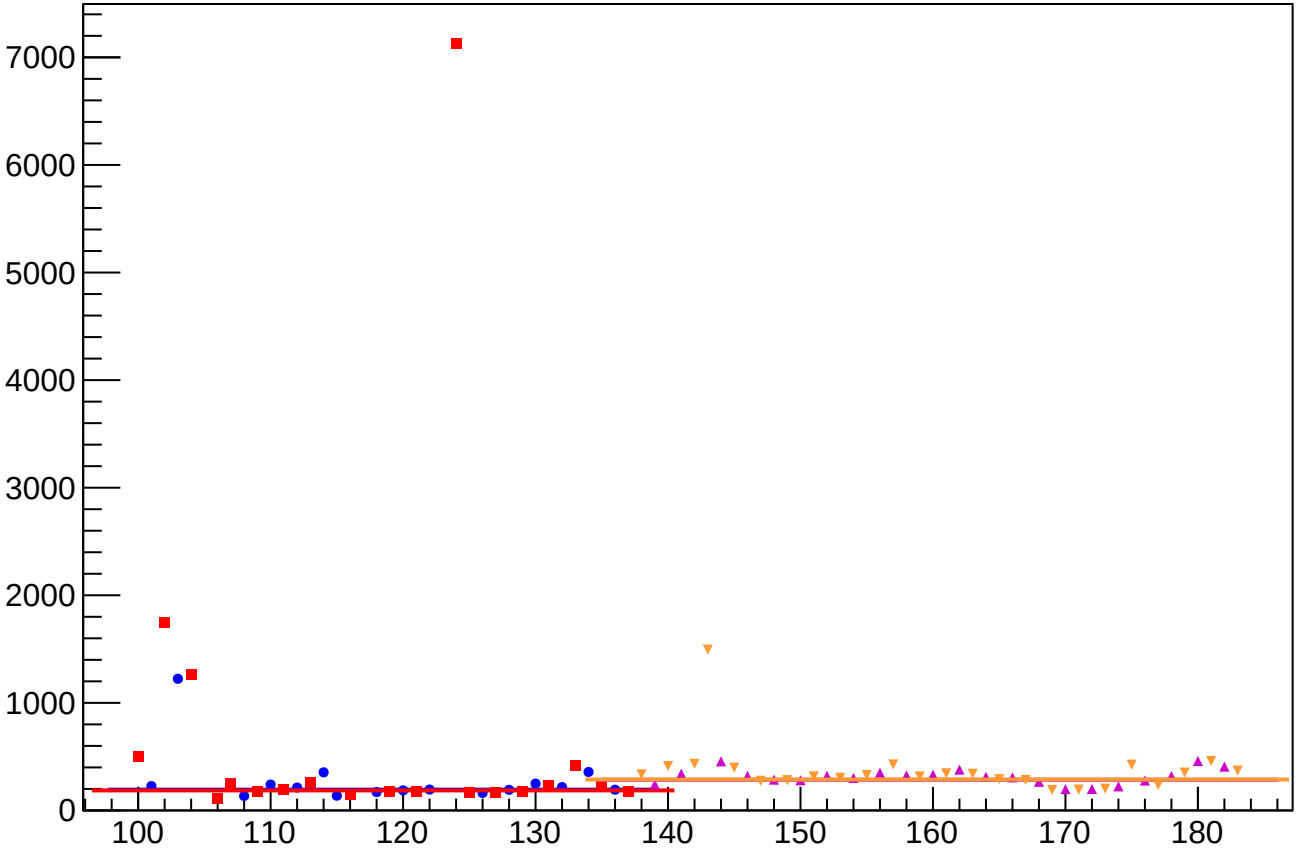
Left In: 0.095+/-0.071 χ^2/NDF:30.6/21

+ sign -0.013+/-0.052 χ^2/NDF: 40.2/39

All: 0.009+/-0.037 χ^2/NDF: 95.9/80

- sign 0.031+/-0.053 χ^2/NDF: 55.4/40

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 287.338+/-0.050 χ^2/NDF:3333825.9/23

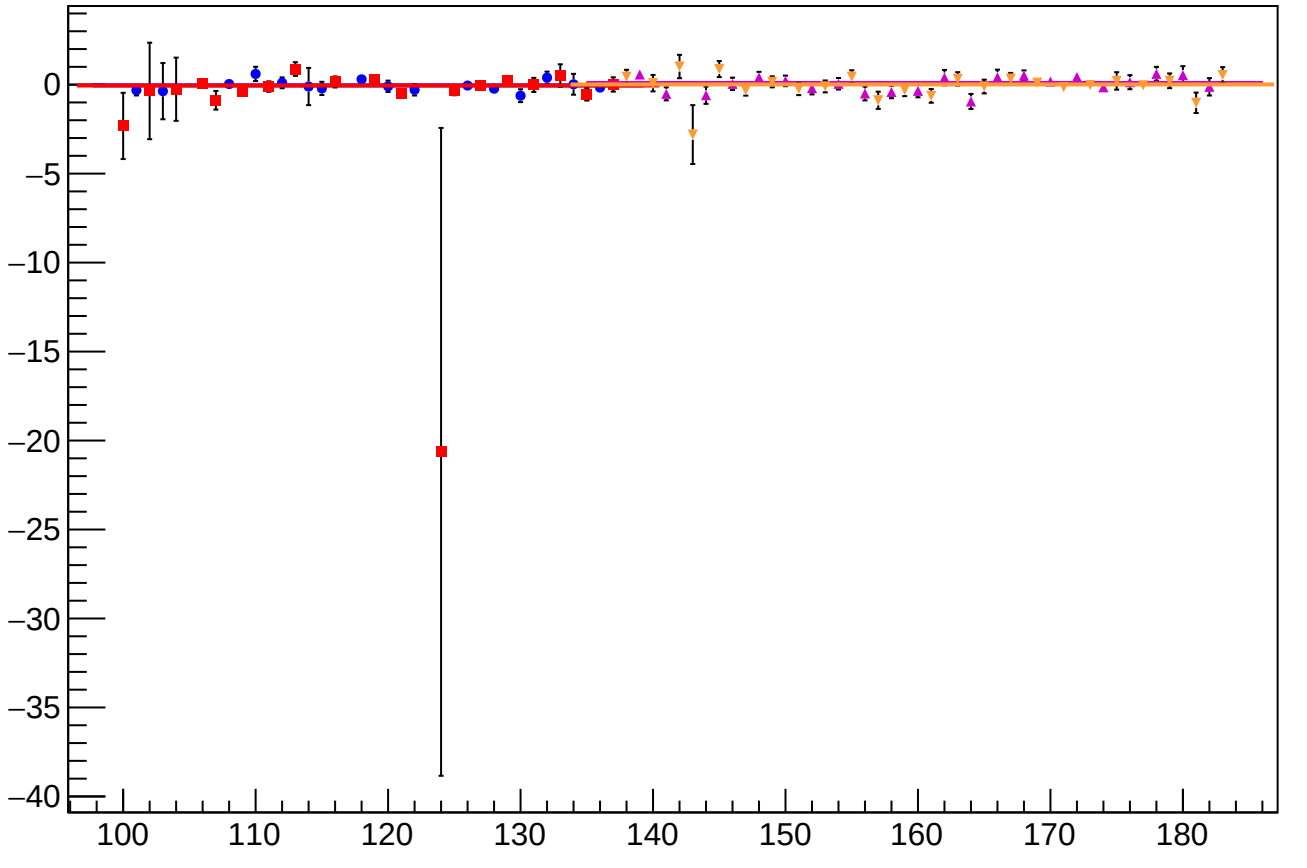
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 285.188+/-0.050 χ^2/NDF:1729834.0/21

+ sign 244.655+/-0.037 χ^2/NDF: 6342318.4/39

All: 242.842+/-0.026 χ^2/NDF: 12295006.4/80

- sign 241.006+/-0.037 χ^2/NDF: 5947861.2/40



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.011+/-0.071 χ^2/NDF:28.2/23

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

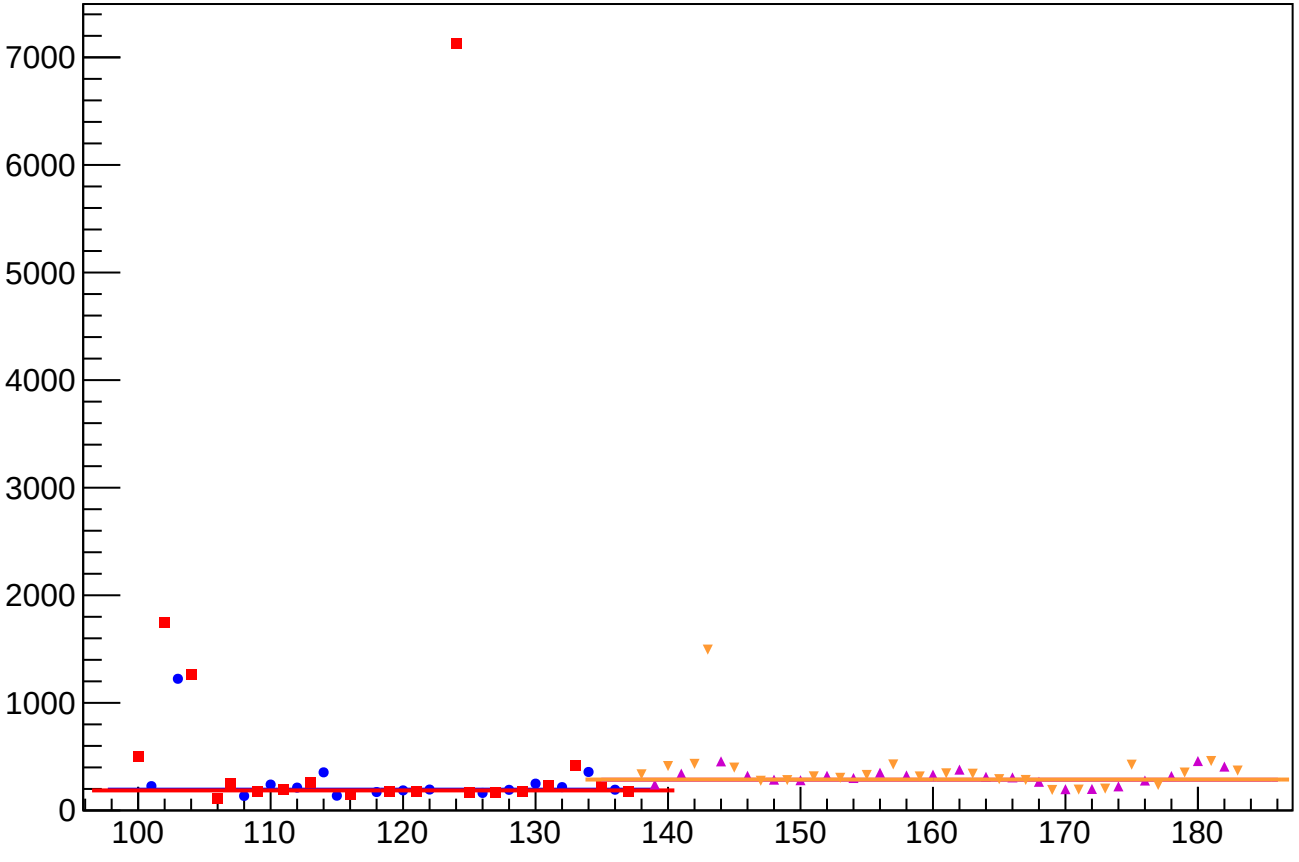
Left In: 0.095+/-0.071 χ^2/NDF:30.6/21

+ sign -0.013+/-0.052 χ^2/NDF: 40.2/39

All: 0.009+/-0.037 χ^2/NDF: 95.9/80

- sign 0.031+/-0.053 χ^2/NDF: 55.4/40

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 287.338+/-0.050 χ^2/NDF:3333825.9/23

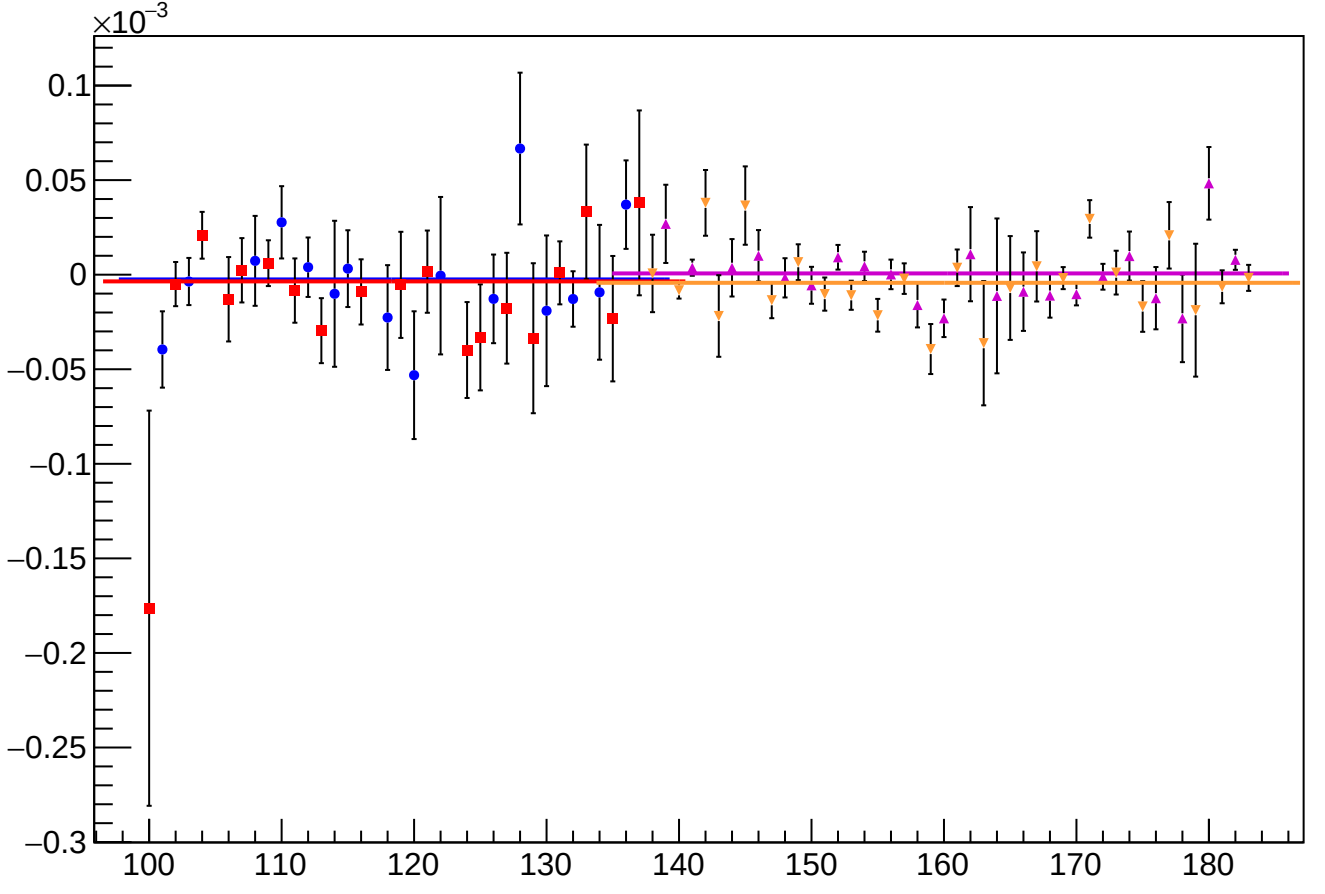
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 285.188+/-0.050 χ^2/NDF:1729834.0/21

+ sign 244.655+/-0.037 χ^2/NDF: 6342318.4/39

All: 242.842+/-0.026 χ^2/NDF: 12295006.4/80

- sign 241.006+/-0.037 χ^2/NDF: 5947861.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/23

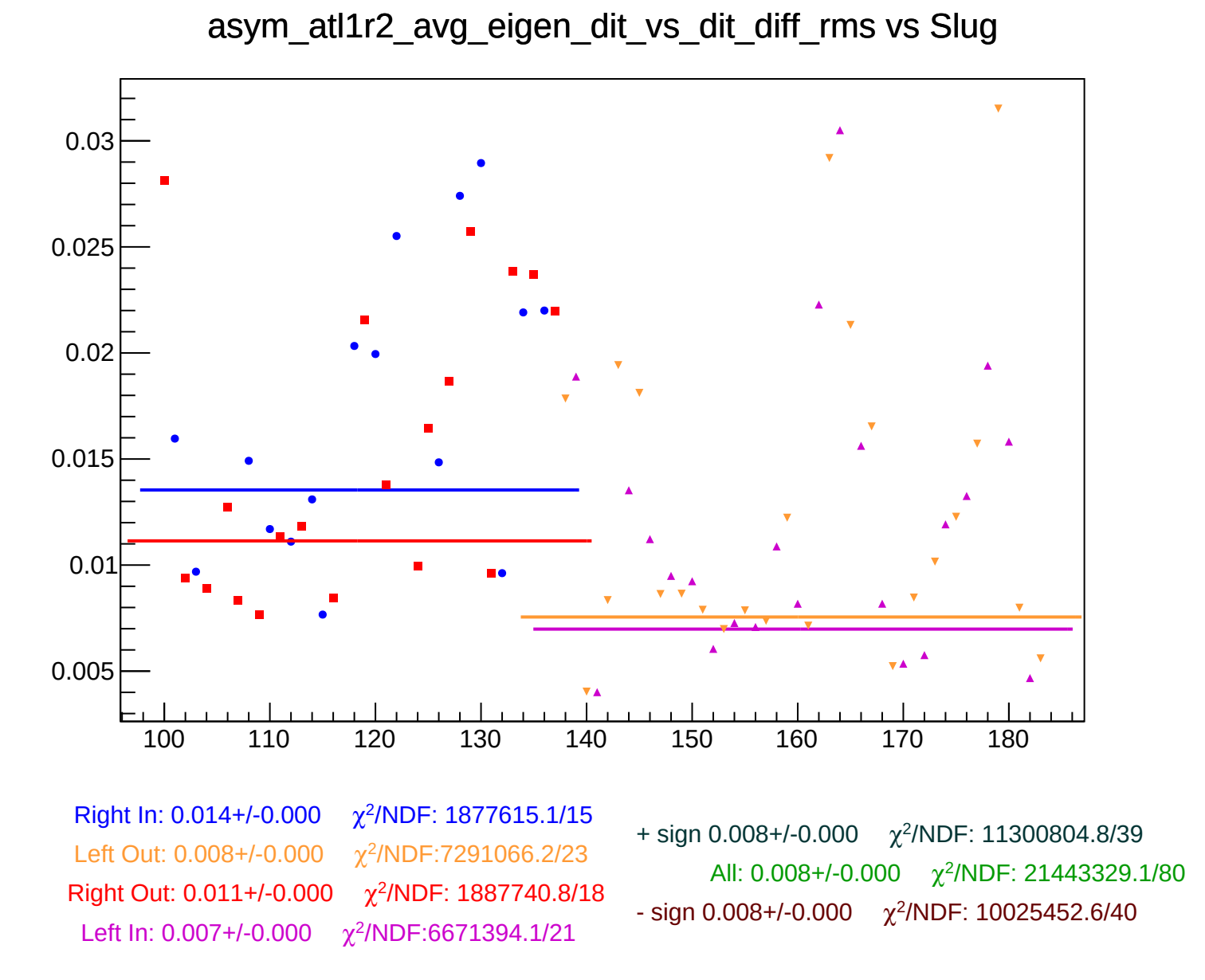
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

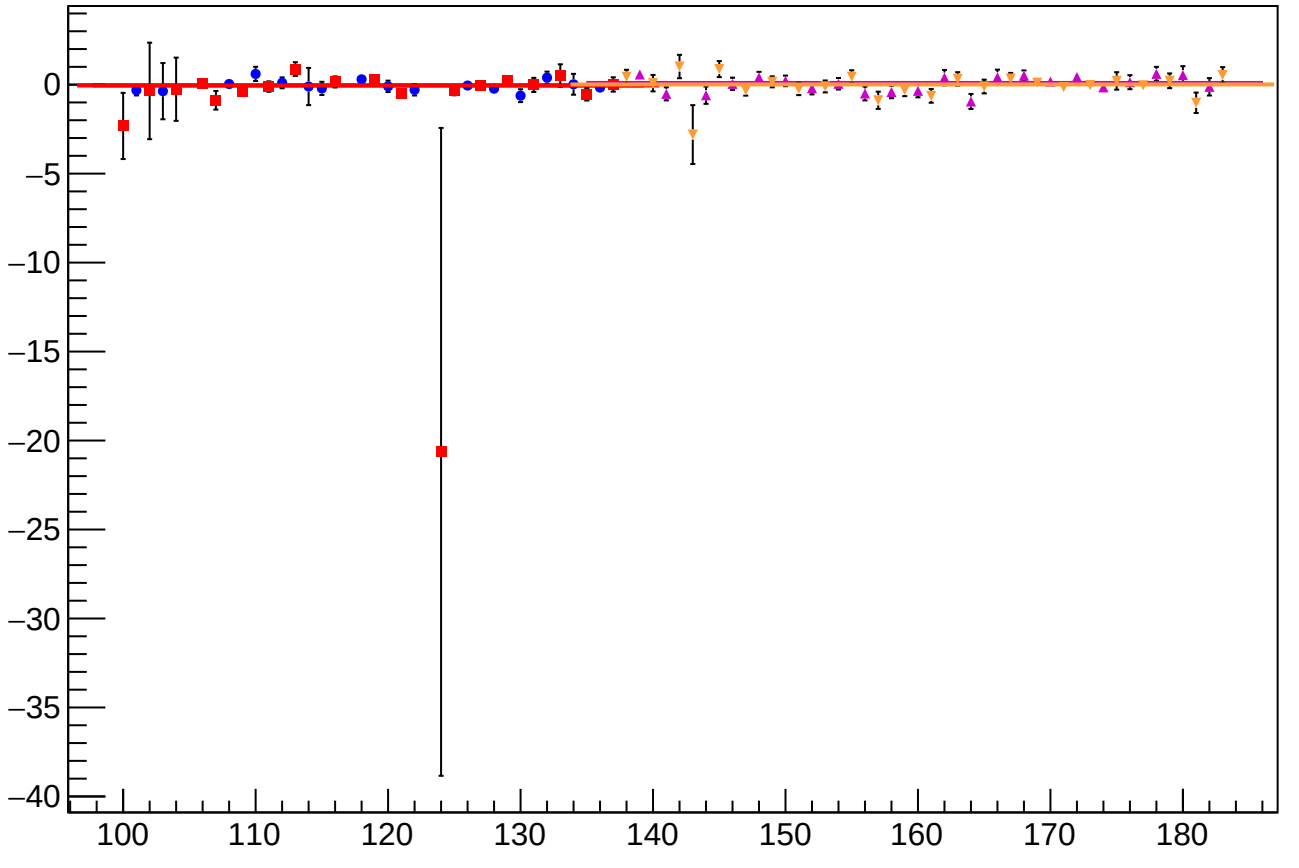
Left In: 0.000+/-0.000 χ^2/NDF:27.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/39

All: -0.000+/-0.000 χ^2/NDF: 106.3/80

- sign 0.000+/-0.000 χ^2/NDF: 44.9/40


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.000 χ²/NDF: 1877615.1/15
Left Out: 0.008+/-0.000 χ²/NDF:7291066.2/23
Right Out: 0.011+/-0.000 χ²/NDF: 1887740.8/18
Left In: 0.007+/-0.000 χ²/NDF:6671394.1/21
+ sign 0.008+/-0.000 χ²/NDF: 11300804.8/39
All: 0.008+/-0.000 χ²/NDF: 21443329.1/80
- sign 0.008+/-0.000 χ²/NDF: 10025452.6/40



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.011+/-0.071 χ^2/NDF:28.2/23

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

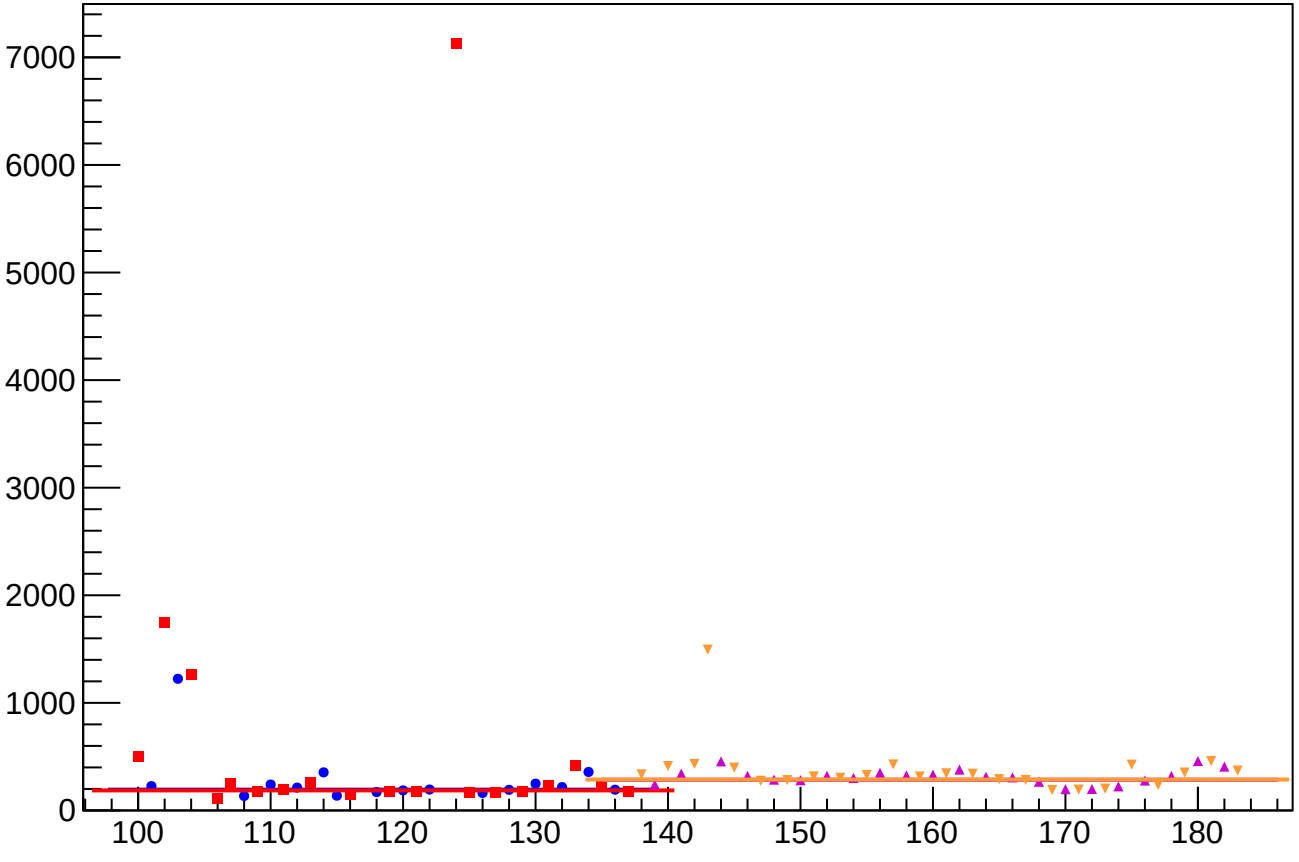
Left In: 0.095+/-0.071 χ^2/NDF:30.6/21

+ sign -0.013+/-0.052 χ^2/NDF: 40.2/39

All: 0.009+/-0.037 χ^2/NDF: 95.9/80

- sign 0.031+/-0.053 χ^2/NDF: 55.4/40

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 287.341+/-0.050 χ^2/NDF:3333871.6/23

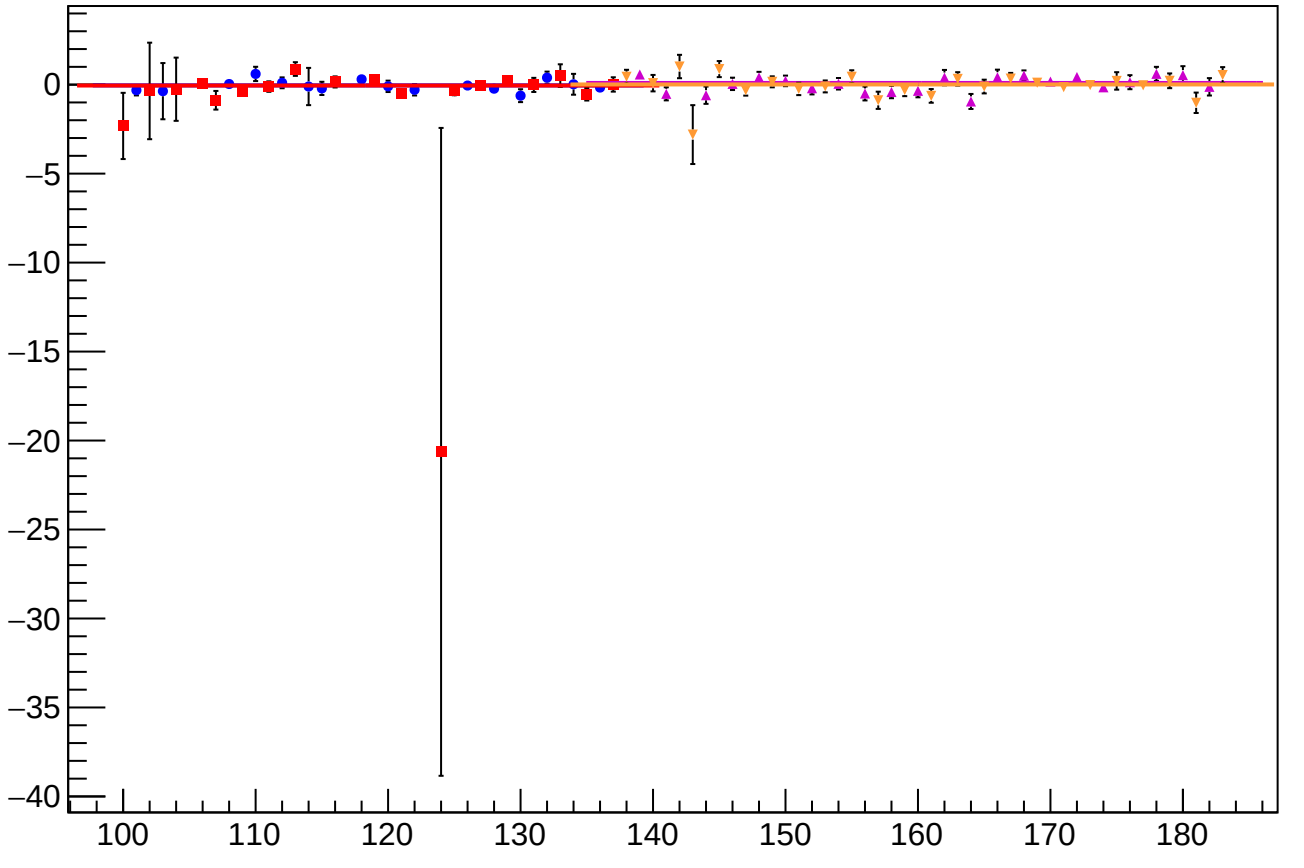
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 285.190+/-0.050 χ^2/NDF:1729873.9/21

+ sign 244.655+/-0.037 χ^2/NDF: 6342494.1/39

All: 242.841+/-0.026 χ^2/NDF: 12295426.2/80

- sign 241.005+/-0.037 χ^2/NDF: 5948104.1/40



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.011+/-0.071 χ^2/NDF:28.2/23

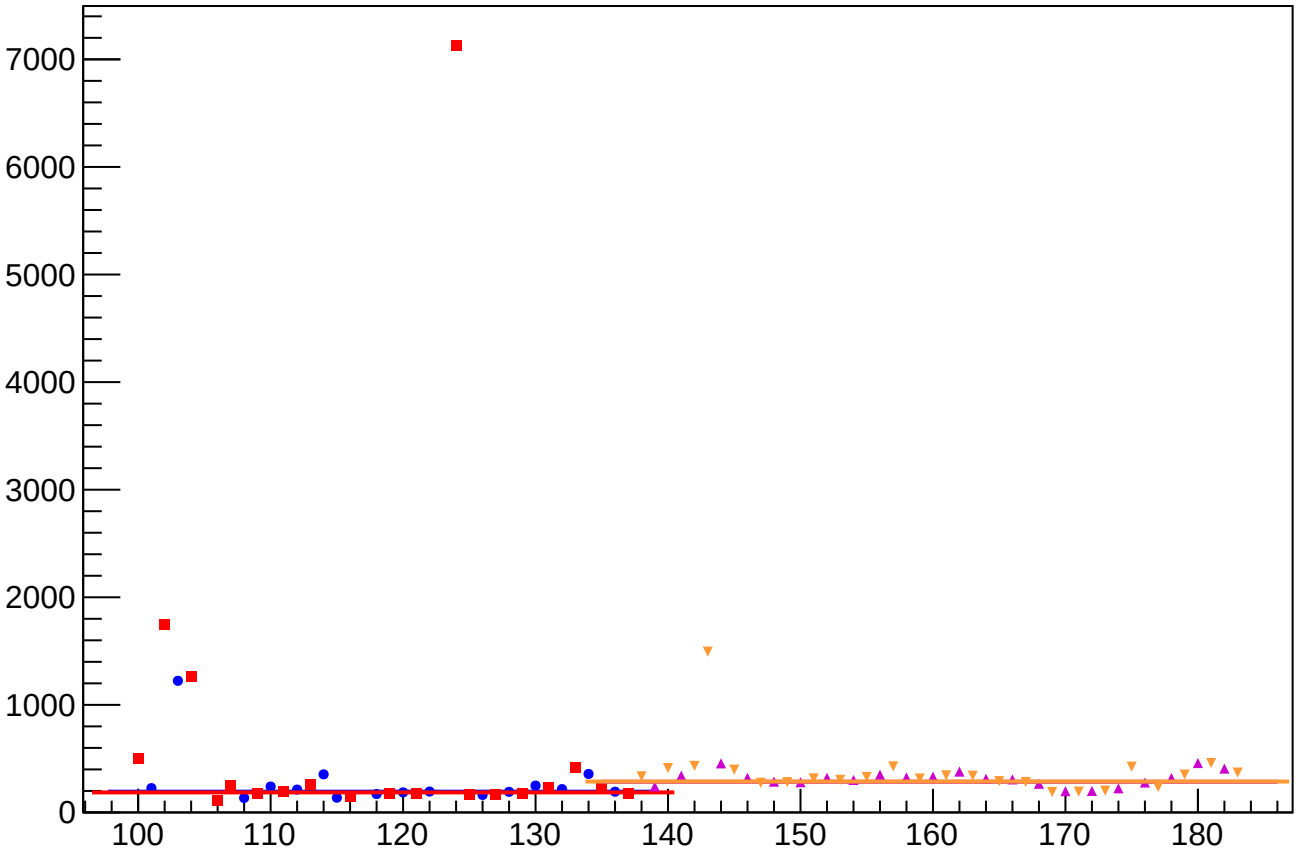
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.095+/-0.071 χ^2/NDF:30.6/21

+ sign -0.013+/-0.052 χ^2/NDF: 40.2/39

All: 0.009+/-0.037 χ^2/NDF: 95.9/80

- sign 0.031+/-0.053 χ^2/NDF: 55.4/40



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 287.341+/-0.050 χ^2/NDF:3333871.6/23

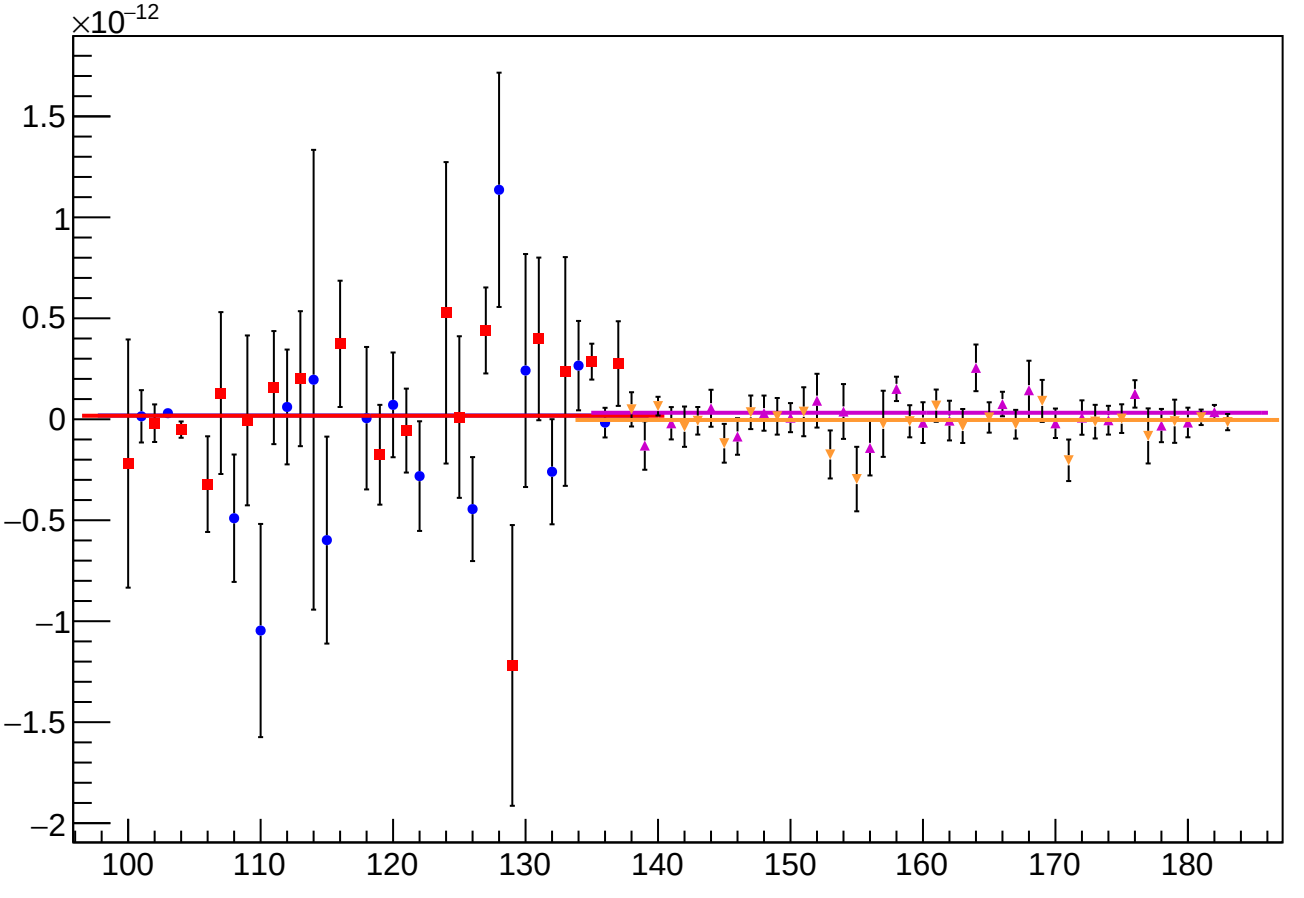
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 285.190+/-0.050 χ^2/NDF:1729873.9/21

+ sign 244.655+/-0.037 χ^2/NDF: 6342494.1/39

All: 242.841+/-0.026 χ^2/NDF: 12295426.2/80

- sign 241.005+/-0.037 χ^2/NDF: 5948104.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/23

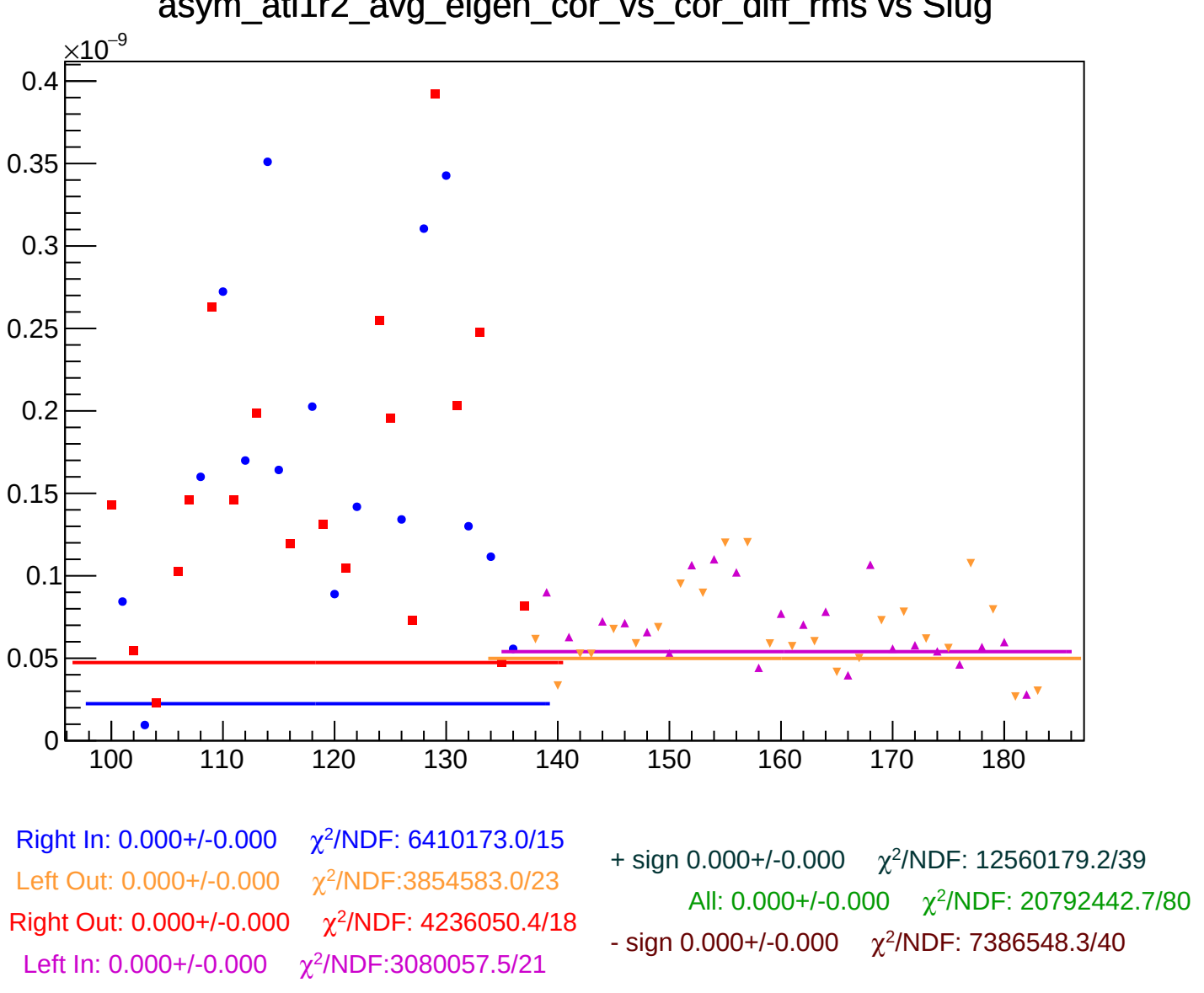
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/21

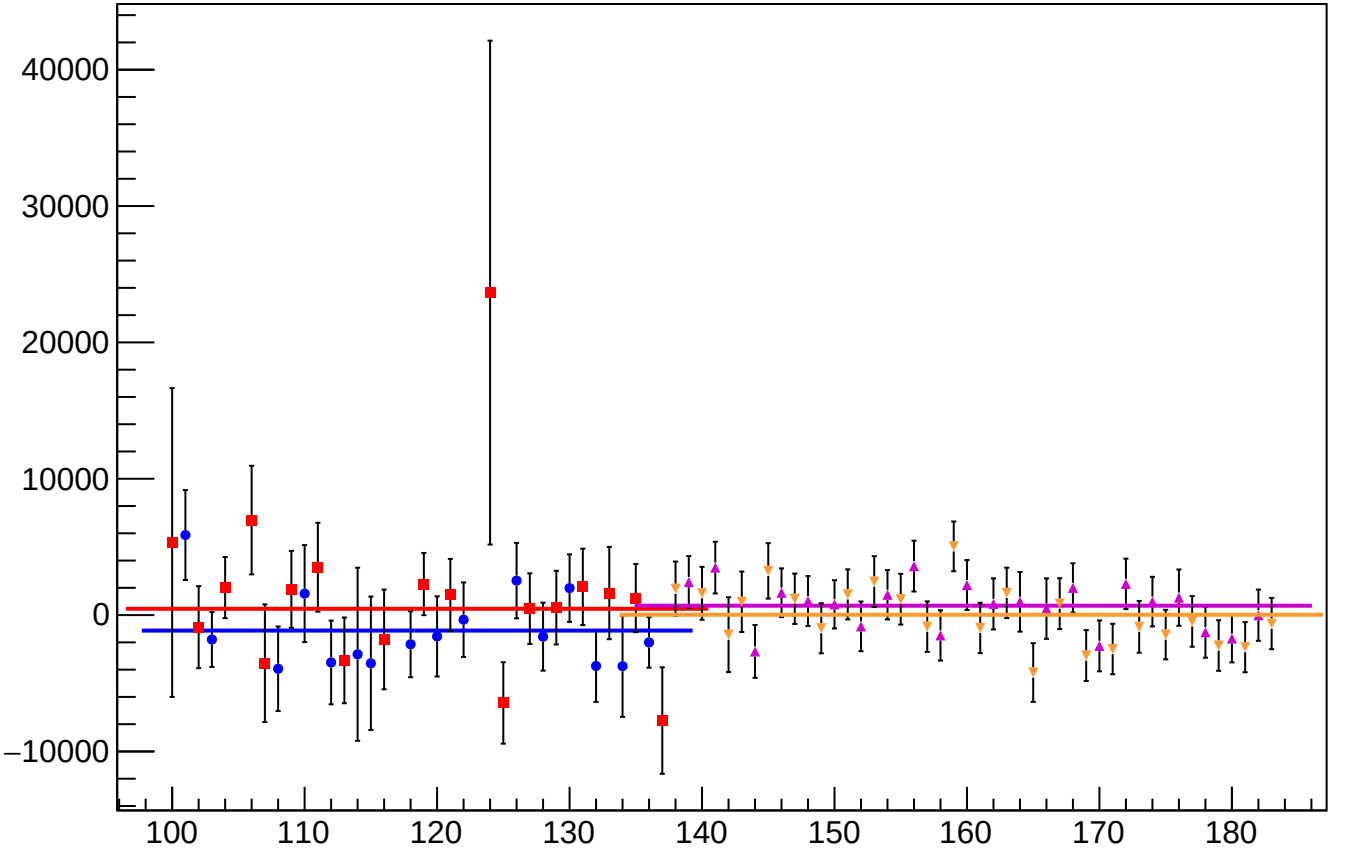
+ sign 0.000+/-0.000 χ^2/NDF: 36.2/39

All: 0.000+/-0.000 χ^2/NDF: 84.0/80

- sign 0.000+/-0.000 χ^2/NDF: 46.0/40


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3854583.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:3080057.5/21
+ sign 0.000+/-0.000 χ²/NDF: 12560179.2/39
All: 0.000+/-0.000 χ²/NDF: 20792442.7/80
- sign 0.000+/-0.000 χ²/NDF: 7386548.3/40

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 24.919+/-390.499 χ^2/NDF:29.5/23

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

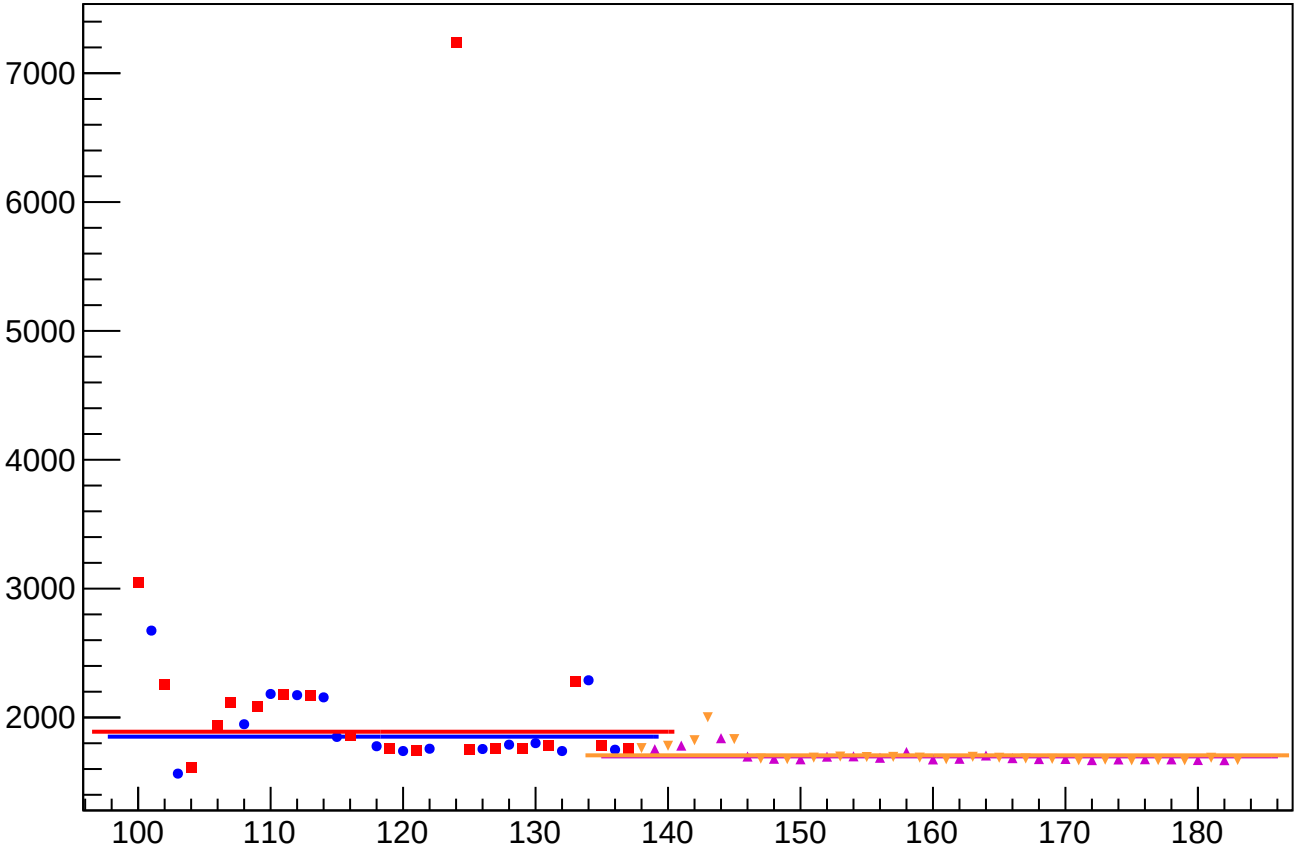
Left In: 689.458+/-399.816 χ^2/NDF:18.7/21

+ sign -254.053+/-340.297 χ^2/NDF: 43.8/39

All: 180.696+/-243.268 χ^2/NDF: 86.0/80

- sign 635.070+/-347.893 χ^2/NDF: 38.8/40

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1706.258+/-0.276 χ^2/NDF:59567.5/23

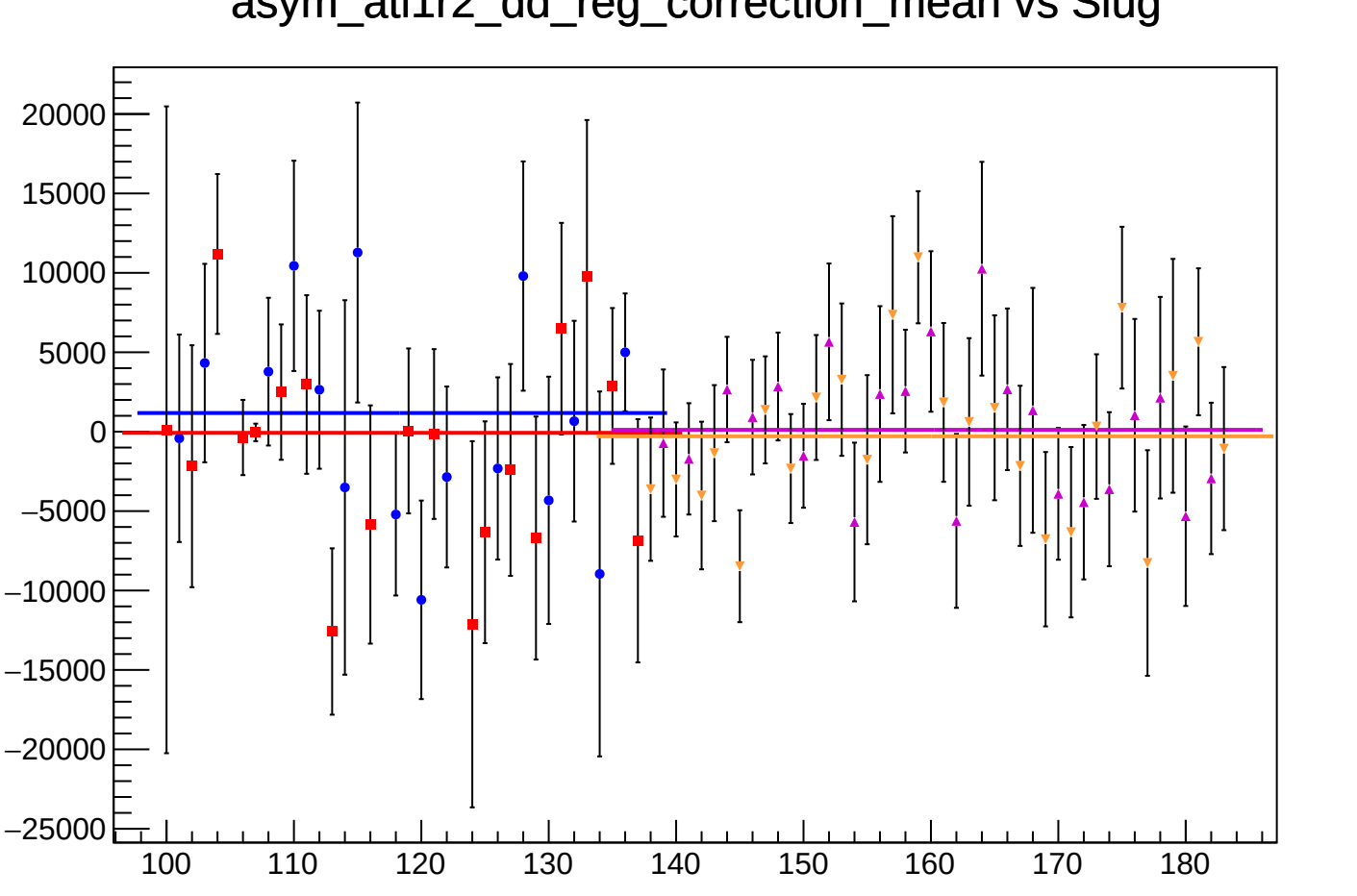
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1697.978+/-0.283 χ^2/NDF:20986.2/21

+ sign 1741.112+/-0.241 χ^2/NDF: 385775.9/39

All: 1742.850+/-0.172 χ^2/NDF: 877654.9/80

- sign 1744.663+/-0.246 χ^2/NDF: 491772.5/40



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -293.124+/-940.377 χ^2/NDF:26.5/23

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

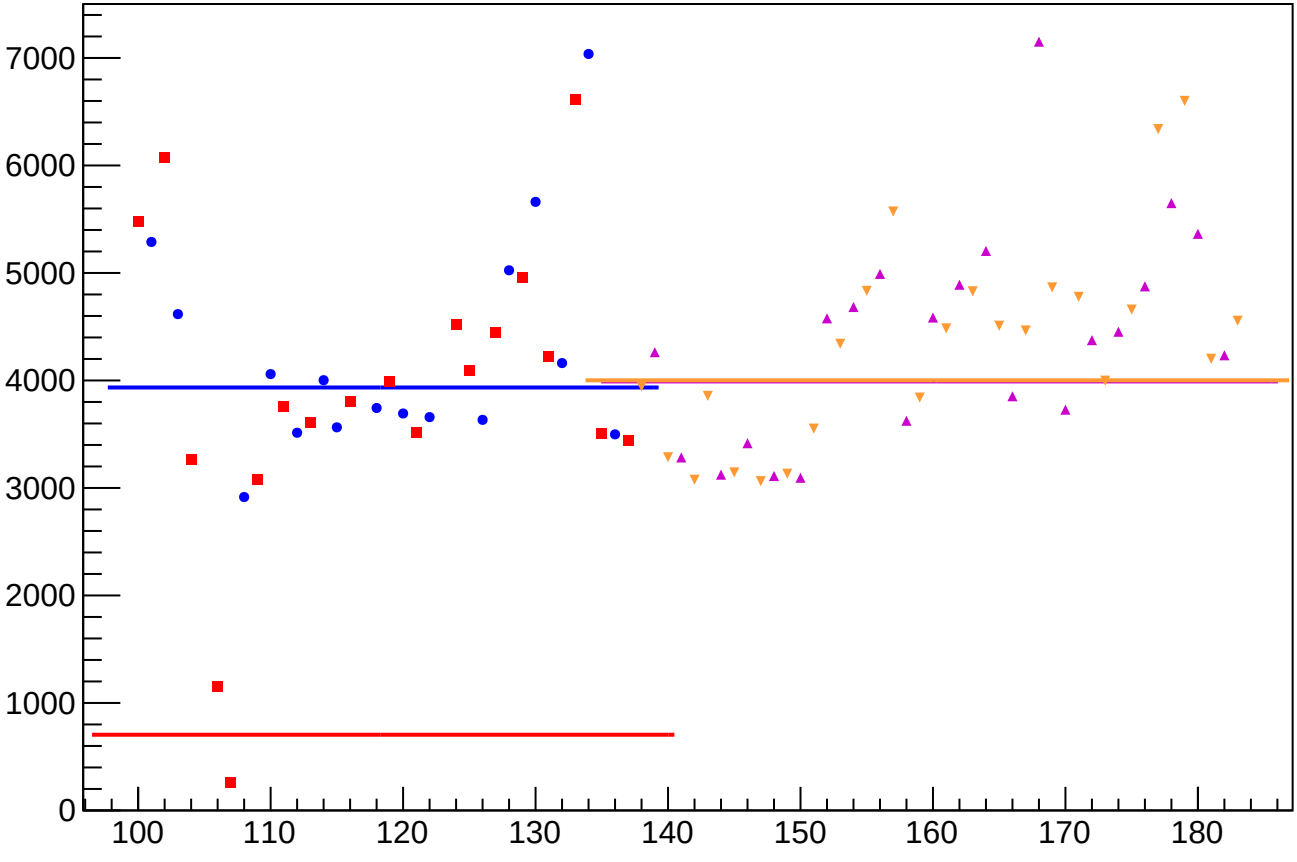
Left In: 115.555+/-963.596 χ^2/NDF:14.0/21

+ sign 120.369+/-797.069 χ^2/NDF: 41.0/39

All: 4.526+/-390.392 χ^2/NDF: 73.0/80

- sign -32.034+/-447.777 χ^2/NDF: 32.0/40

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 4001.314+/-0.665 χ^2/NDF:1497097.9/23

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

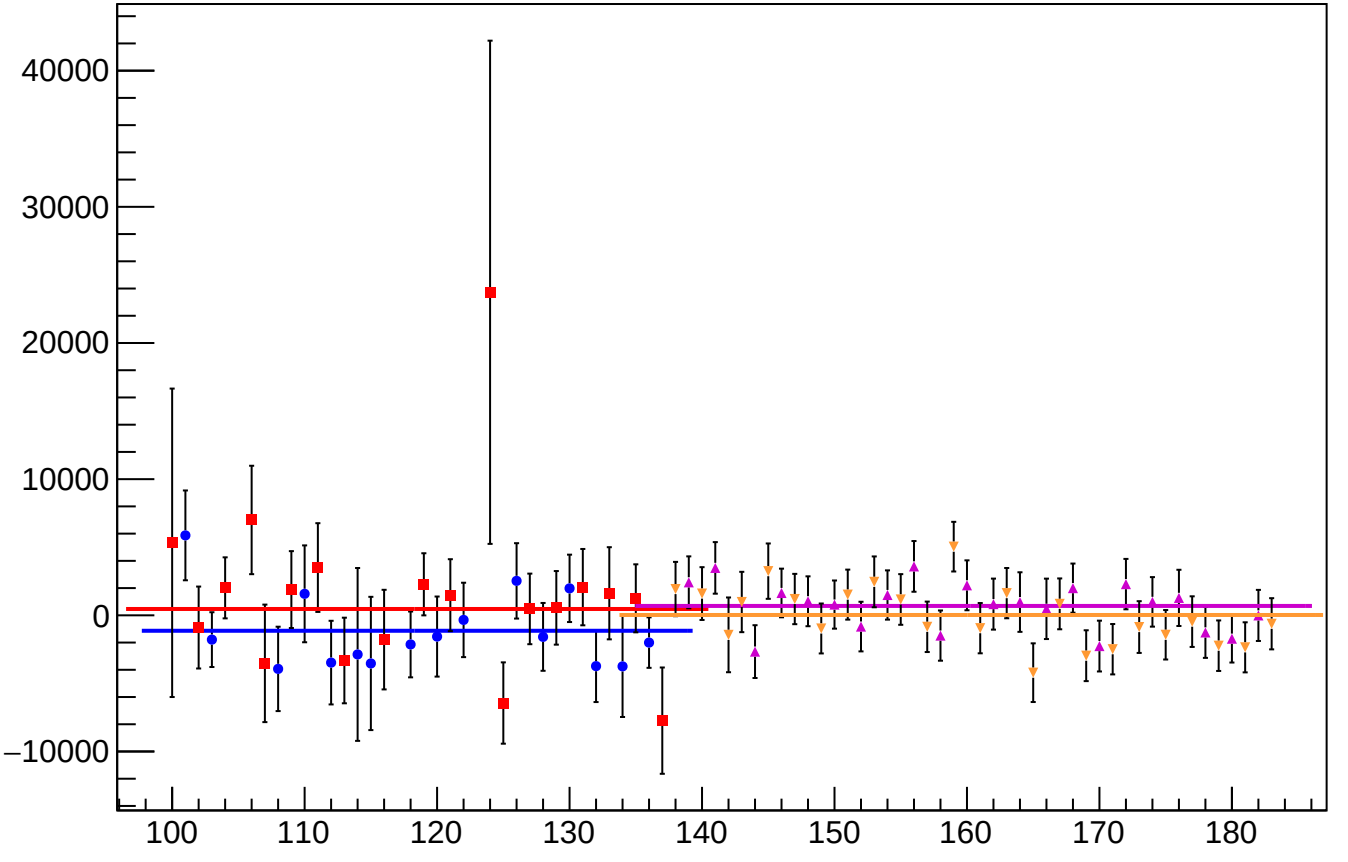
Left In: 3990.866+/-0.681 χ^2/NDF:1535676.0/21

+ sign 3982.563+/-0.564 χ^2/NDF: 2060047.8/39

All: 2030.220+/-0.276 χ^2/NDF: 48241519.8/8

- sign 1414.068+/-0.317 χ^2/NDF: 30395432.5/40

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 24.981+/-390.499 χ^2/NDF:29.5/23

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

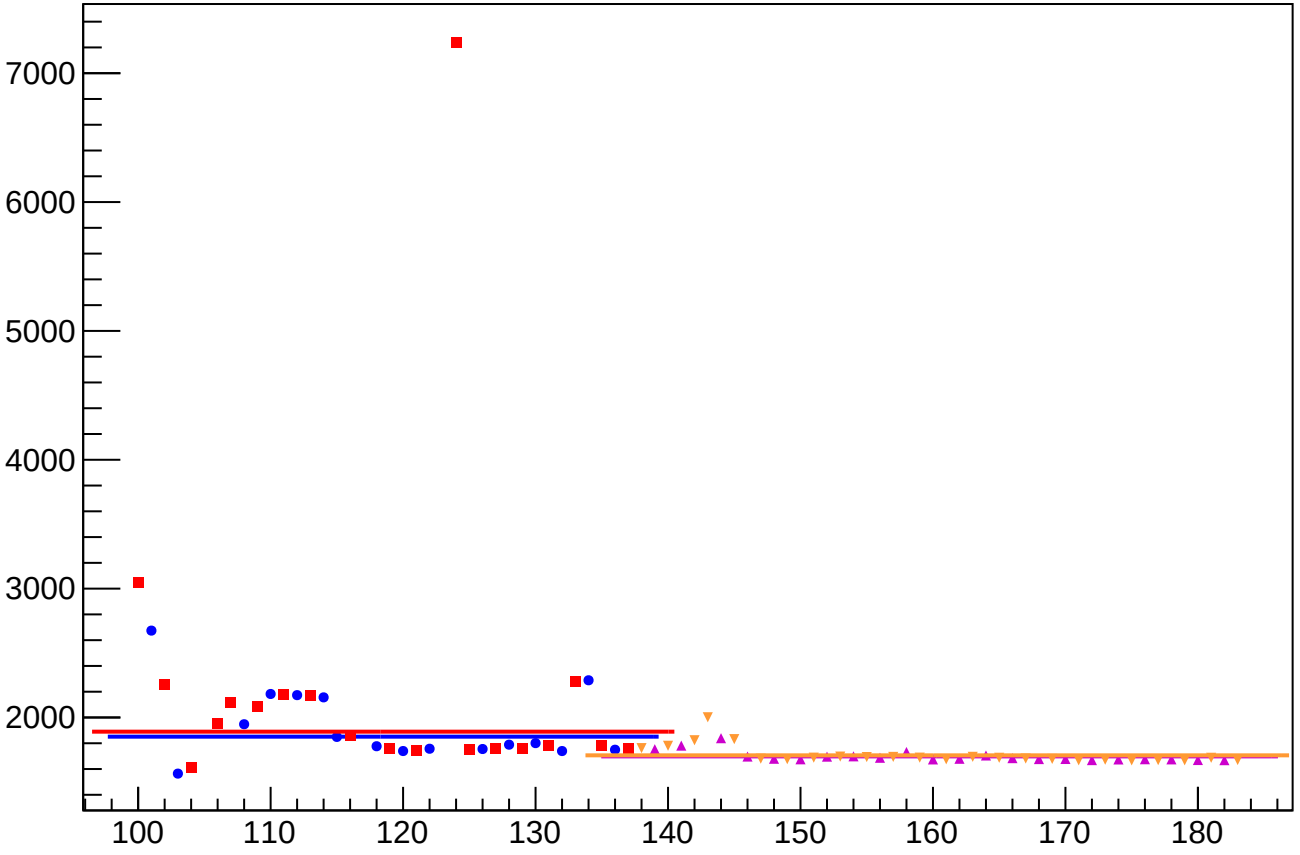
Left In: 689.355+/-399.816 χ^2/NDF:18.7/21

+ sign -253.903+/-340.297 χ^2/NDF: 43.8/39

All: 180.780+/-243.268 χ^2/NDF: 86.0/80

- sign 635.085+/-347.893 χ^2/NDF: 38.9/40

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1706.258+/-0.276 χ^2/NDF:59567.5/23

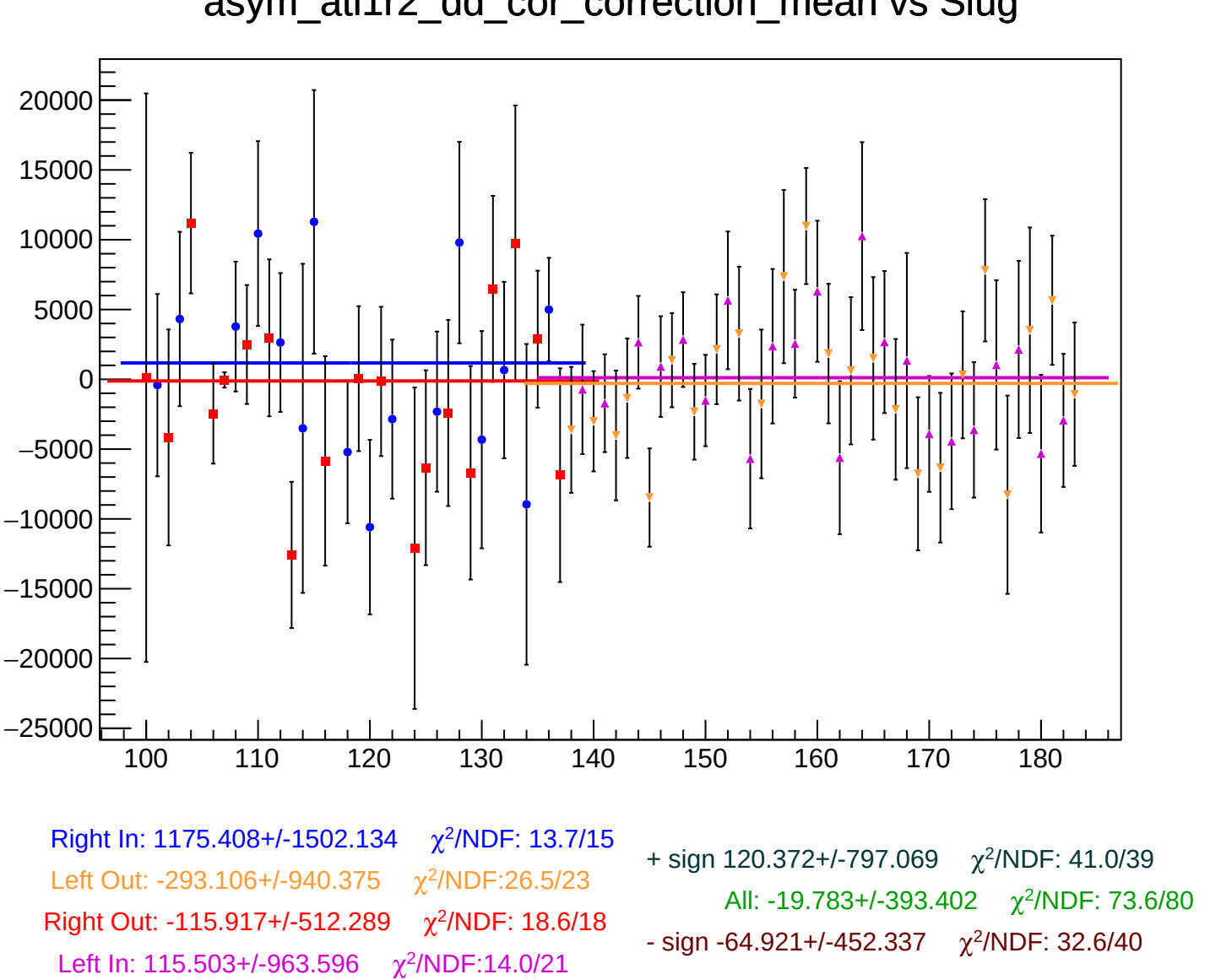
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1697.978+/-0.283 χ^2/NDF:20986.2/21

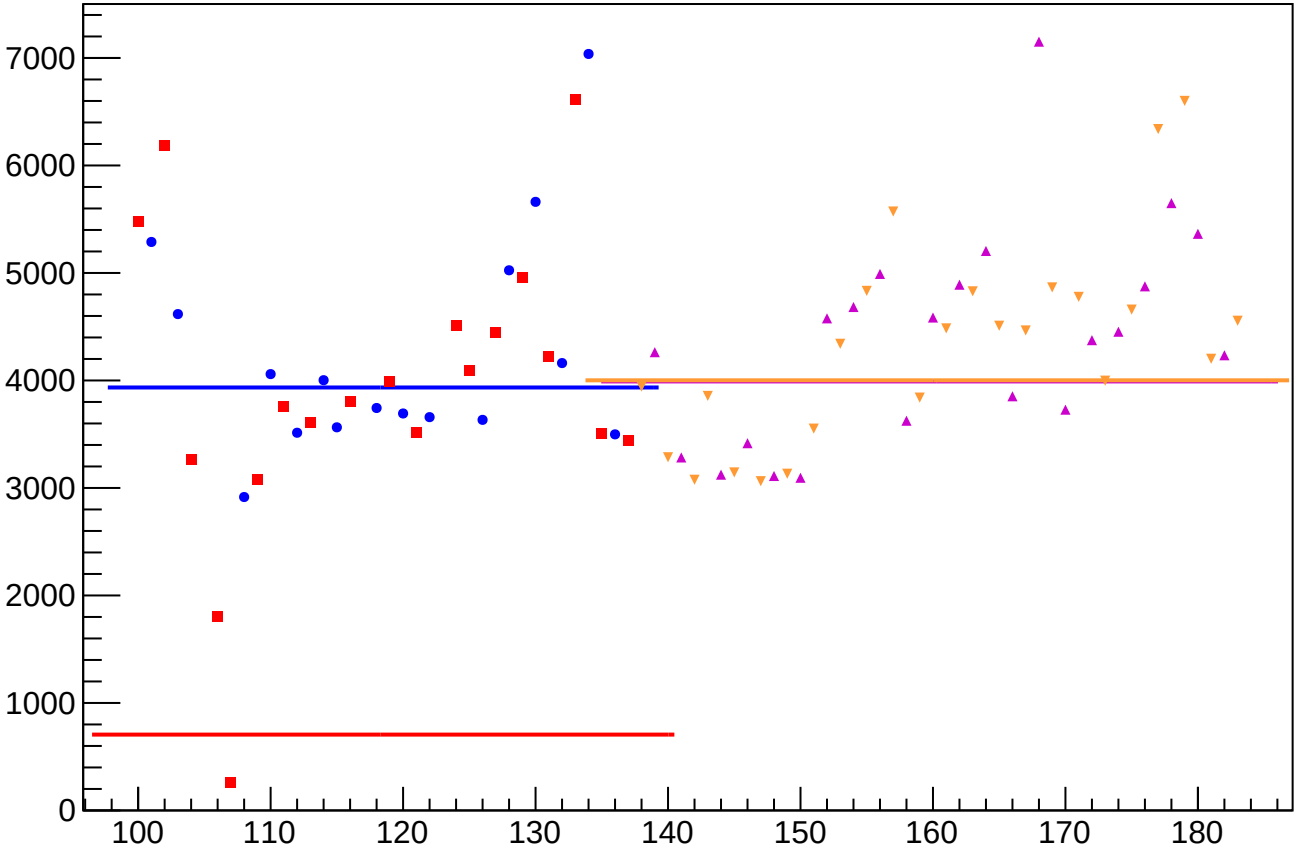
+ sign 1741.112+/-0.241 χ^2/NDF: 385775.4/39

All: 1742.896+/-0.172 χ^2/NDF: 878377.4/80

- sign 1744.759+/-0.246 χ^2/NDF: 492489.7/40


asym_atl1r2_dd_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -293.106+/-940.375 χ²/NDF:26.5/23
Right Out: -115.917+/-512.289 χ²/NDF: 18.6/18
Left In: 115.503+/-963.596 χ²/NDF:14.0/21
+ sign 120.372+/-797.069 χ²/NDF: 41.0/39
All: -19.783+/-393.402 χ²/NDF: 73.6/80
- sign -64.921+/-452.337 χ²/NDF: 32.6/40

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 4001.306+/-0.665 χ^2/NDF:1497117.4/23

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

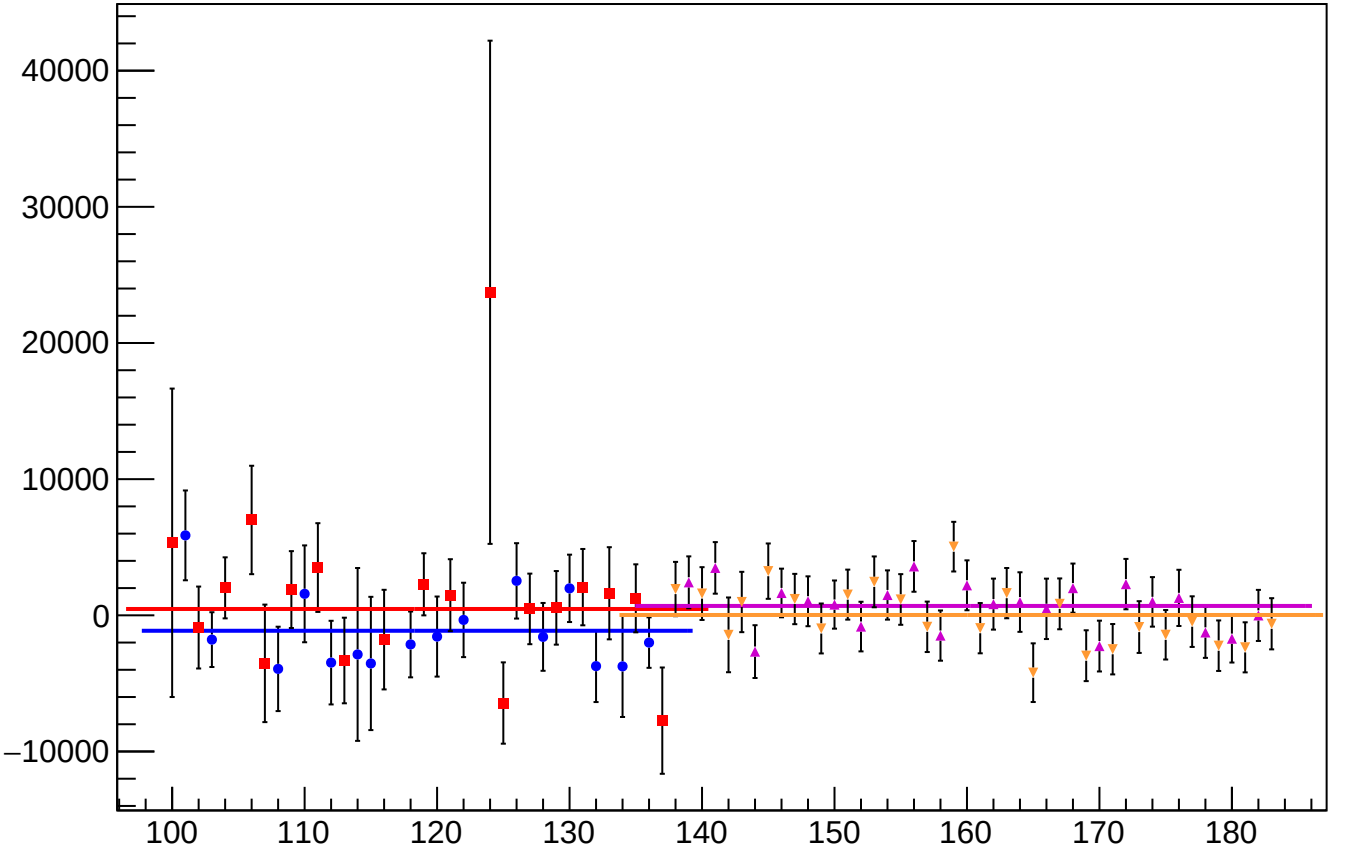
Left In: 3990.865+/-0.681 χ^2/NDF:1535659.8/21

+ sign 3982.560+/-0.564 χ^2/NDF: 2060090.1/39

All: 2051.477+/-0.278 χ^2/NDF: 47987552.5/8

- sign 1429.559+/-0.320 χ^2/NDF: 30407514.0/40

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 24.981+/-390.499 χ^2/NDF:29.5/23

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

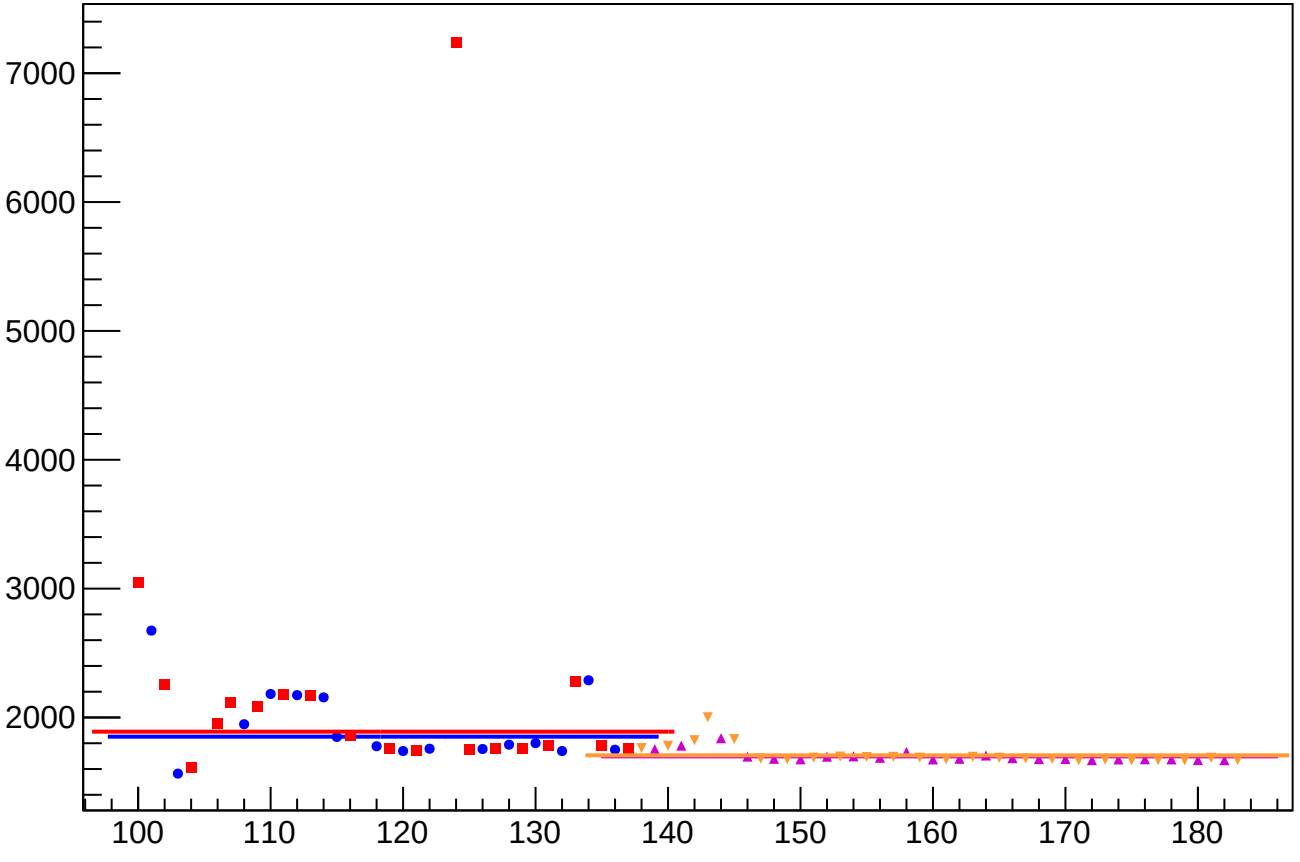
Left In: 689.355+/-399.816 χ^2/NDF:18.7/21

+ sign -253.903+/-340.297 χ^2/NDF: 43.8/39

All: 180.780+/-243.268 χ^2/NDF: 86.0/80

- sign 635.085+/-347.893 χ^2/NDF: 38.9/40

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1706.258+/-0.276 χ^2/NDF:59567.5/23

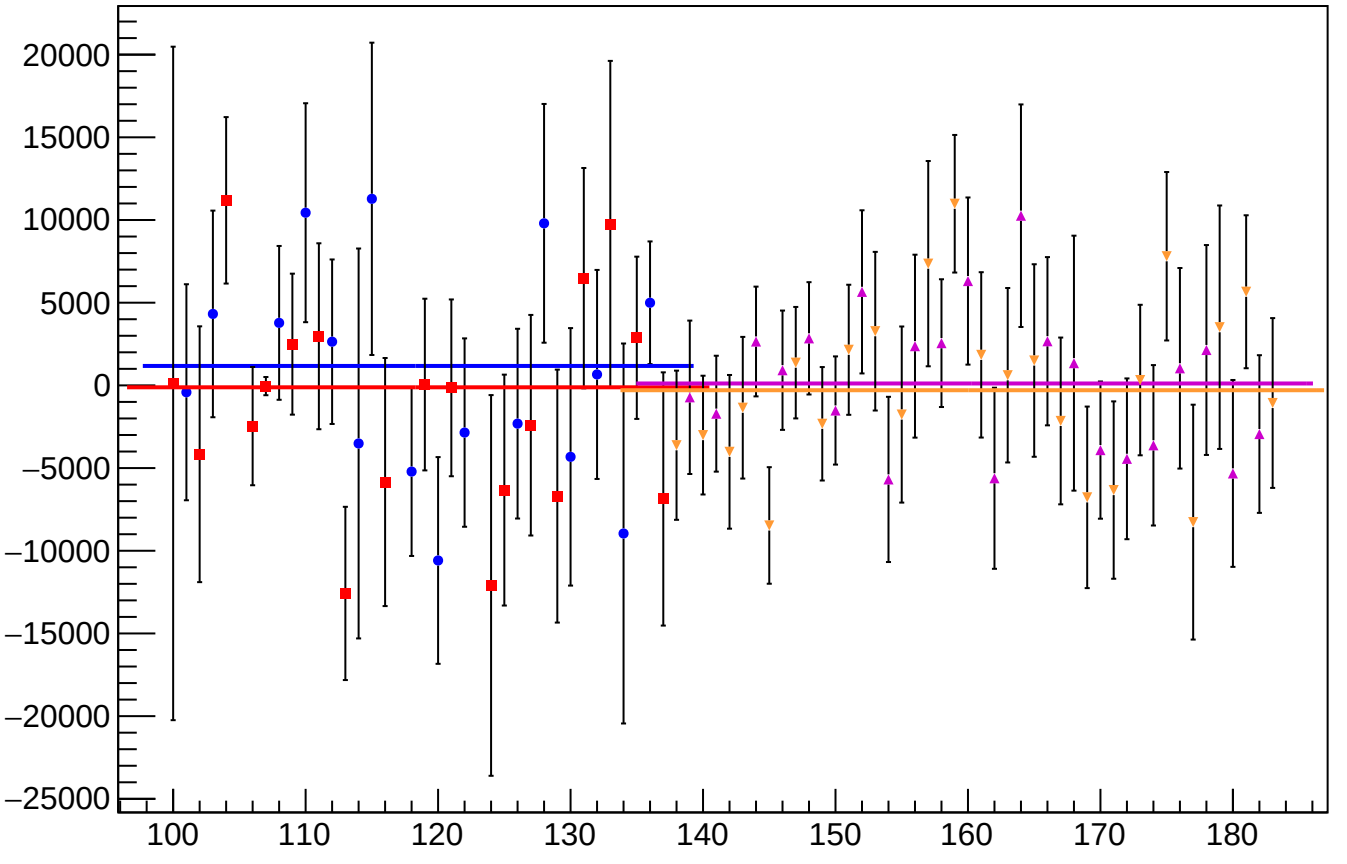
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1697.978+/-0.283 χ^2/NDF:20986.2/21

+ sign 1741.112+/-0.241 χ^2/NDF: 385775.4/39

All: 1742.896+/-0.172 χ^2/NDF: 878377.4/80

- sign 1744.759+/-0.246 χ^2/NDF: 492489.7/40



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -293.106+/-940.375 χ^2/NDF:26.5/23

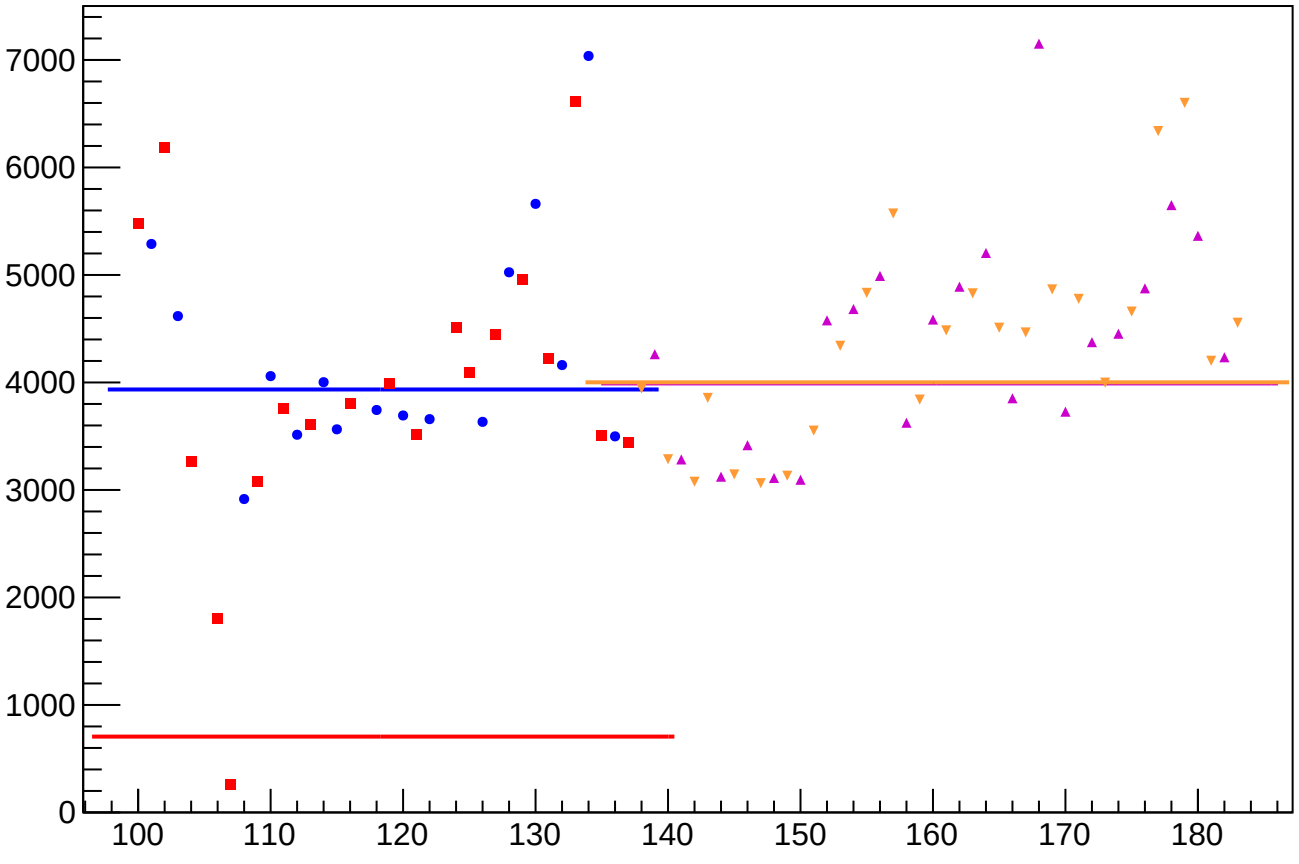
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 115.503+/-963.596 χ^2/NDF:14.0/21

+ sign 120.372+/-797.069 χ^2/NDF: 41.0/39

All: -19.783+/-393.402 χ^2/NDF: 73.6/80

- sign -64.921+/-452.337 χ^2/NDF: 32.6/40



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 4001.306+/-0.665 χ^2/NDF:1497117.4/23

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

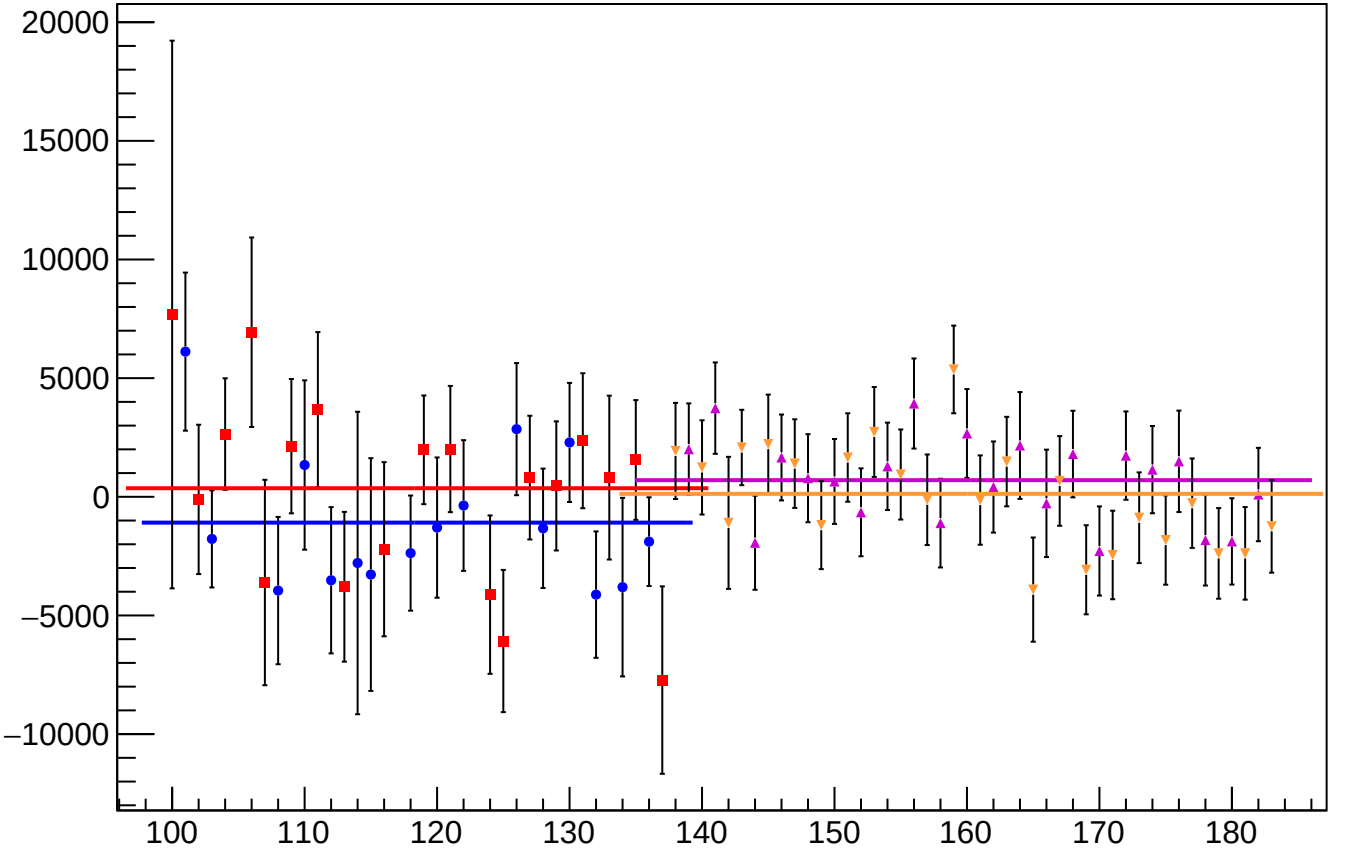
Left In: 3990.865+/-0.681 χ^2/NDF:1535659.8/21

+ sign 3982.560+/-0.564 χ^2/NDF: 2060090.1/39

All: 2051.477+/-0.278 χ^2/NDF: 47987552.5/8

- sign 1429.559+/-0.320 χ^2/NDF: 30407514.0/40

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 124.615+/-392.211 χ^2/NDF:29.7/23

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

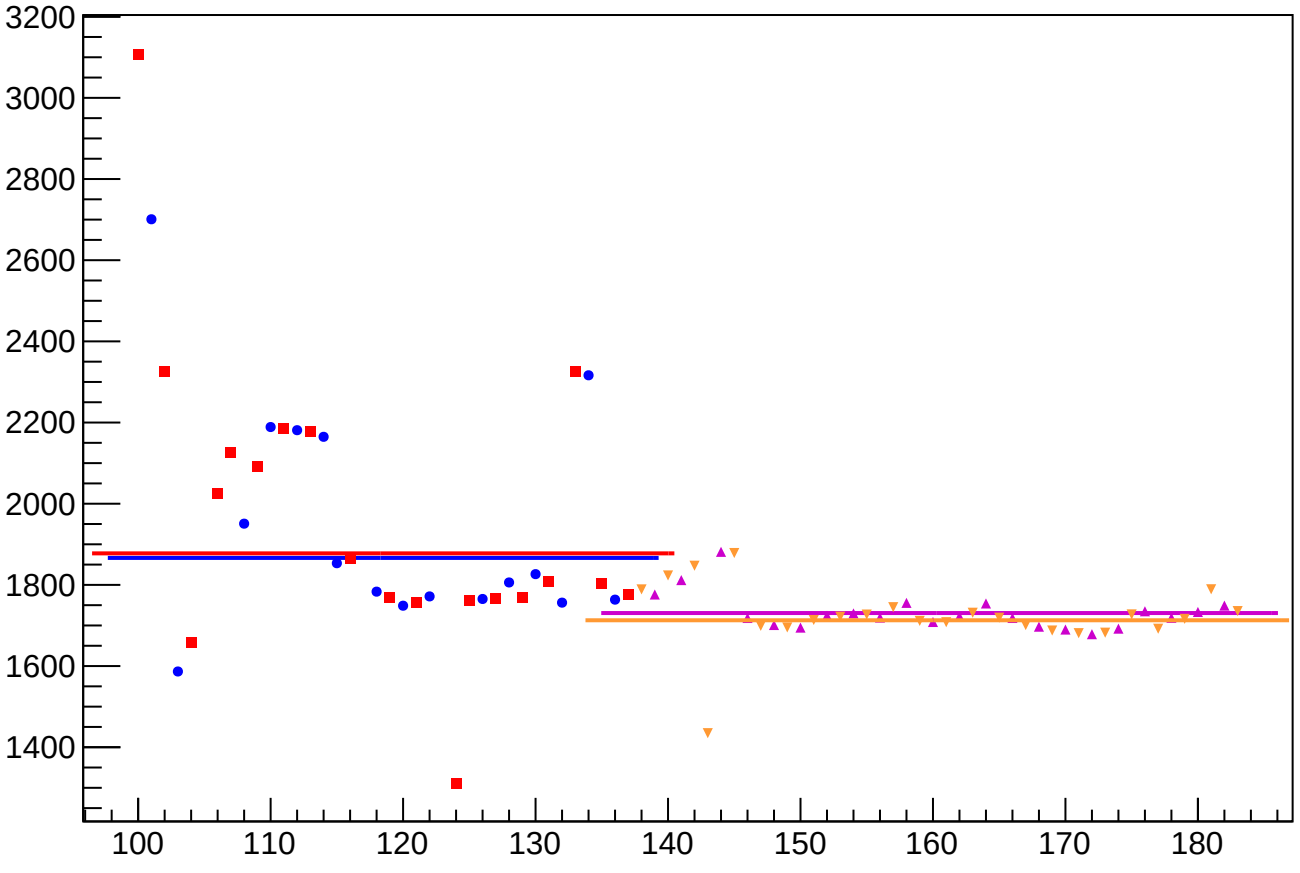
Left In: 701.614+/-407.551 χ^2/NDF:18.4/21

+ sign -165.315+/-342.113 χ^2/NDF: 45.2/39

All: 213.734+/-245.386 χ^2/NDF: 87.1/80

- sign 615.378+/-352.162 χ^2/NDF: 39.4/40

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.806+/-0.277 χ^2/NDF:94169.8/23

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

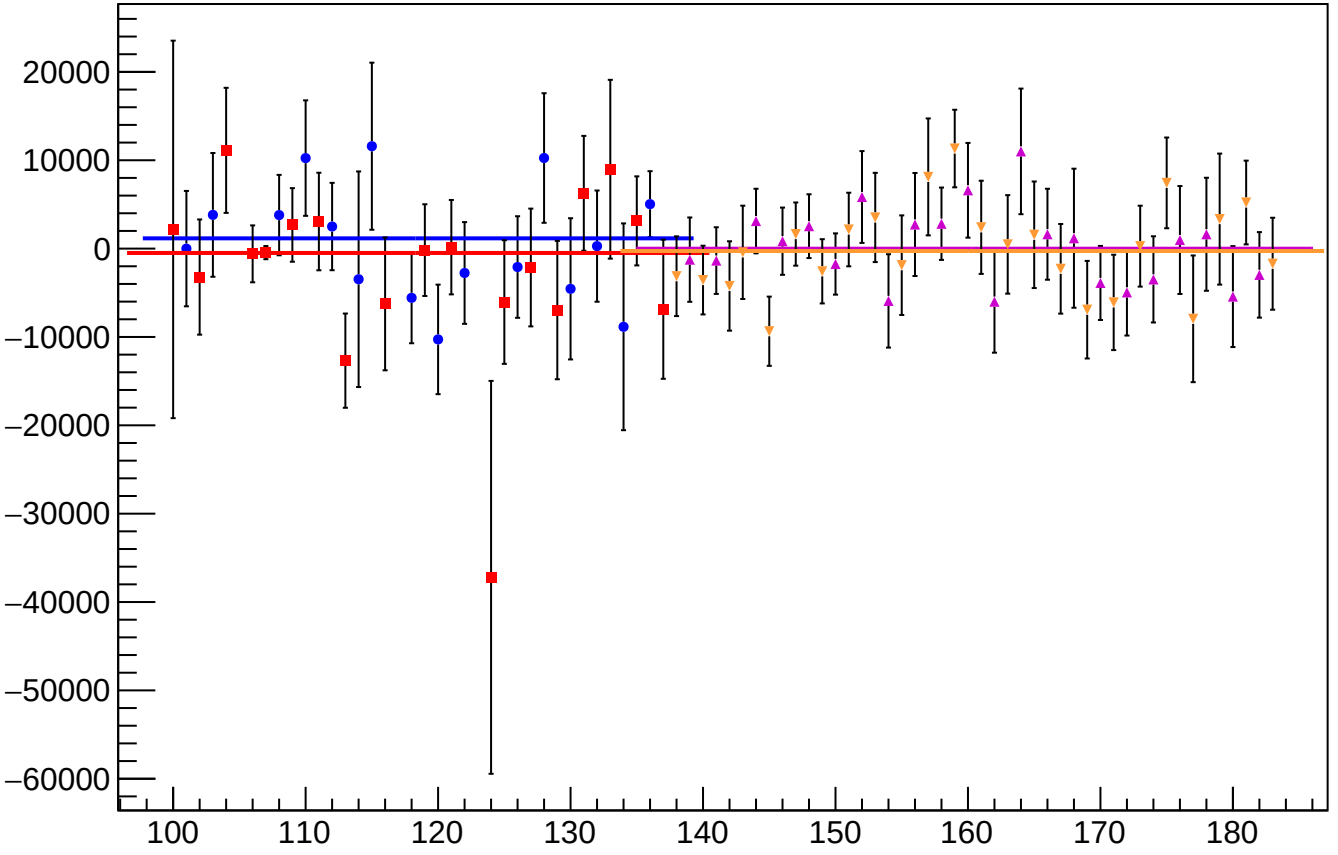
Left In: 1730.631+/-0.288 χ^2/NDF:23015.0/21

+ sign 1749.551+/-0.242 χ^2/NDF: 423836.1/39

All: 1758.474+/-0.173 χ^2/NDF: 767528.2/80

- sign 1767.925+/-0.249 χ^2/NDF: 340890.5/40

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -271.618+/-990.763 χ^2/NDF:25.6/23

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

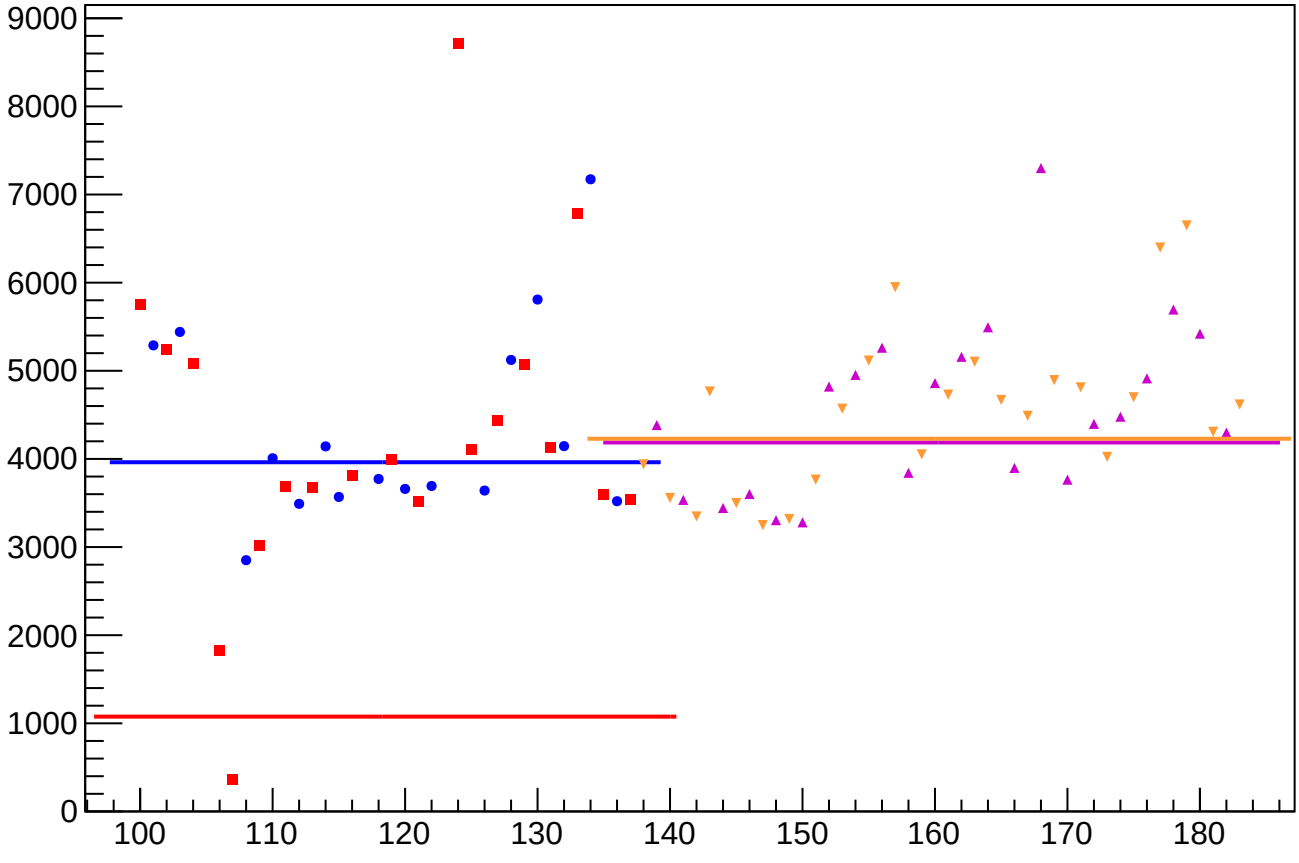
Left In: -11.284+/-1008.097 χ^2/NDF:13.8/21

+ sign 158.678+/-828.736 χ^2/NDF: 39.8/39

All: -193.158+/-459.020 χ^2/NDF: 71.0/80

- sign -348.863+/-551.311 χ^2/NDF: 30.9/40

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4229.072+/-0.701 χ^2/NDF:1280691.1/23

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

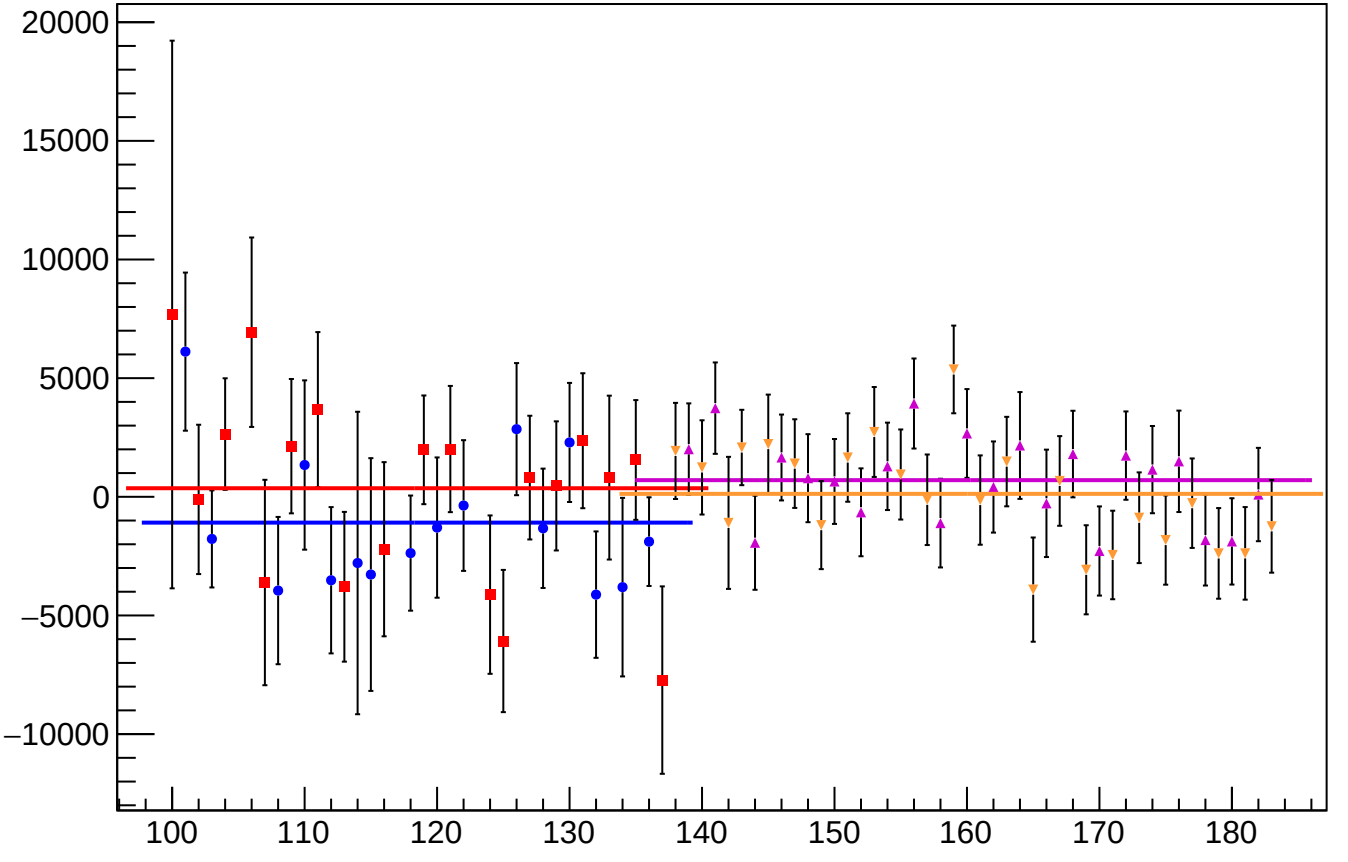
Left In: 4186.526+/-0.713 χ^2/NDF:1343915.2/21

+ sign 4148.972+/-0.586 χ^2/NDF: 1992556.7/39

All: 2663.612+/-0.325 χ^2/NDF: 35509631.0/8

- sign 2006.269+/-0.390 χ^2/NDF: 24248964.1/40

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 124.617+/-392.211 χ^2/NDF:29.7/23

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

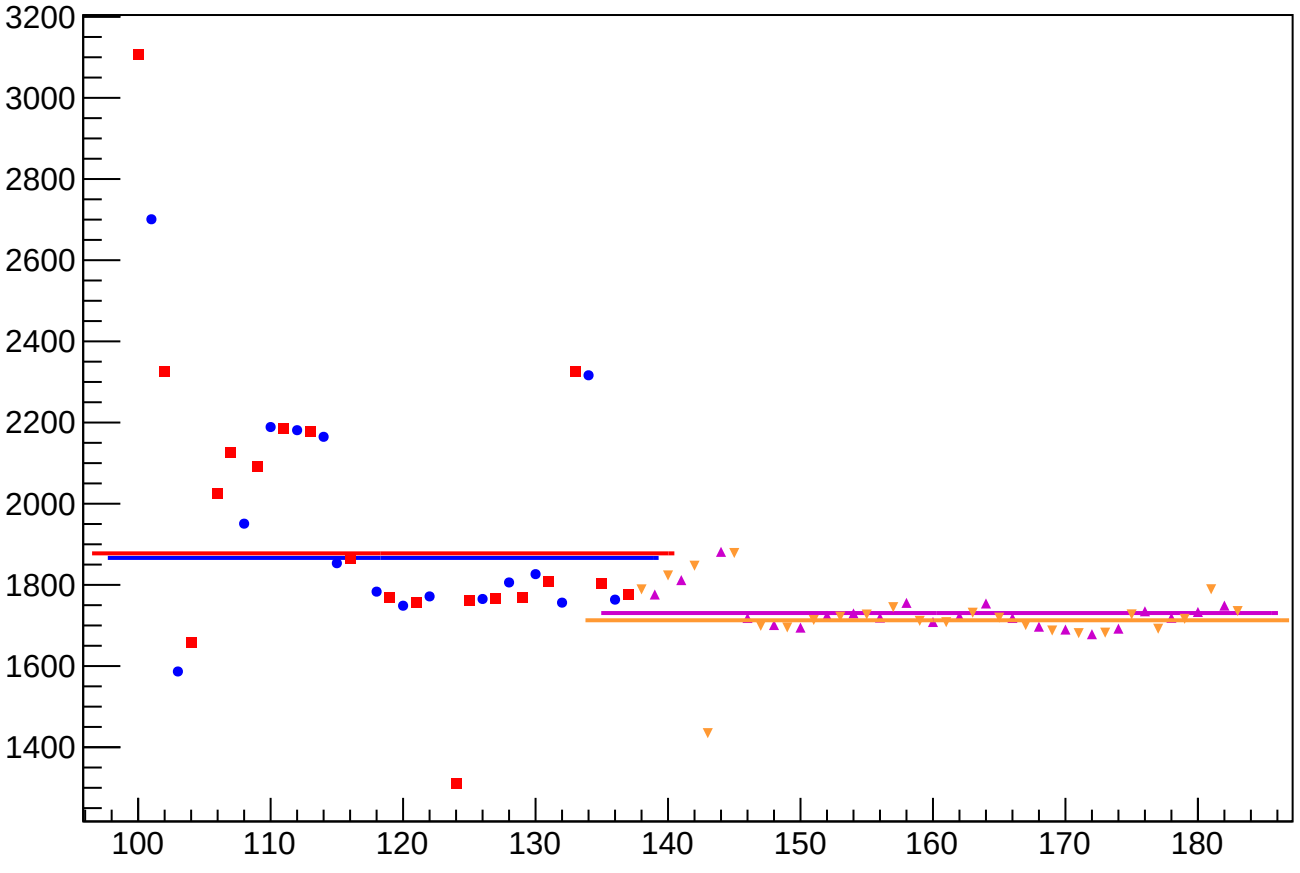
Left In: 701.613+/-407.551 χ^2/NDF:18.4/21

+ sign -165.314+/-342.113 χ^2/NDF: 45.2/39

All: 213.734+/-245.386 χ^2/NDF: 87.1/80

- sign 615.378+/-352.162 χ^2/NDF: 39.4/40

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.807+/-0.277 χ^2/NDF:94168.9/23

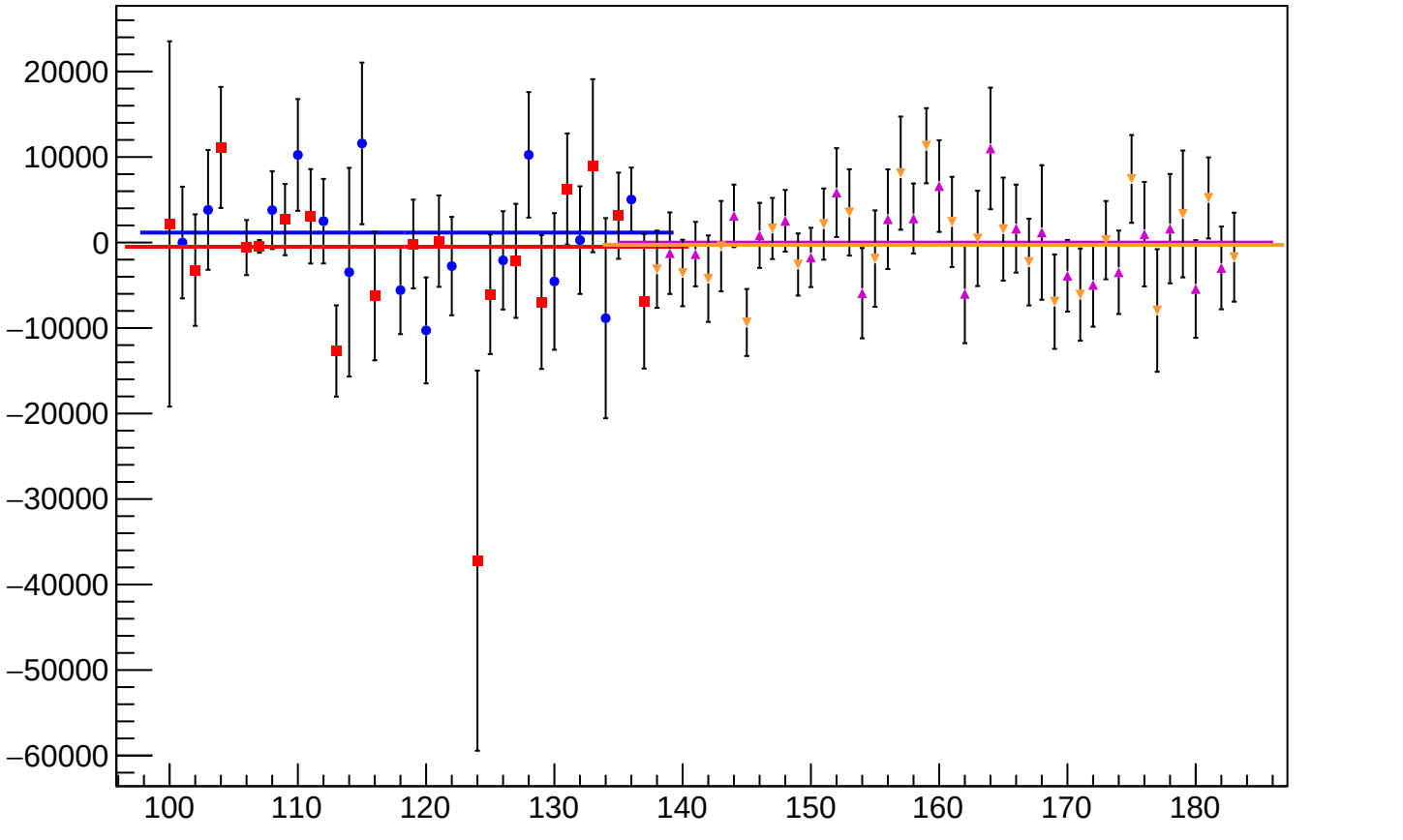
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1730.631+/-0.288 χ^2/NDF:23015.0/21

+ sign 1749.552+/-0.242 χ^2/NDF: 423834.4/39

All: 1758.475+/-0.173 χ^2/NDF: 767526.2/80

- sign 1767.926+/-0.249 χ^2/NDF: 340890.3/40



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -271.618+/-990.765 χ^2/NDF:25.6/23

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

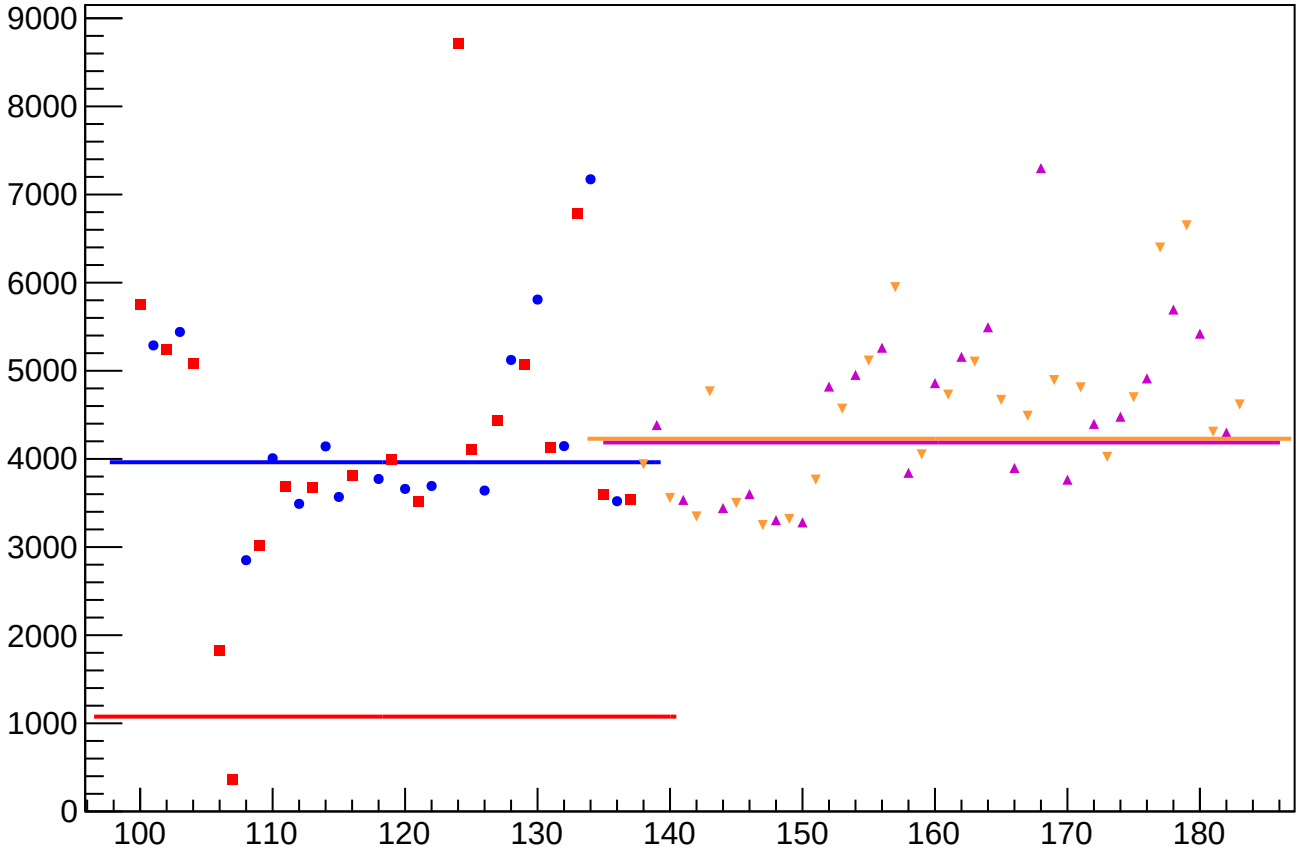
Left In: -11.285+/-1008.098 χ^2/NDF:13.8/21

+ sign 158.674+/-828.737 χ^2/NDF: 39.8/39

All: -193.159+/-459.024 χ^2/NDF: 71.0/80

- sign -348.865+/-551.317 χ^2/NDF: 30.9/40

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4229.077+/-0.701 χ^2/NDF:1280693.4/23

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

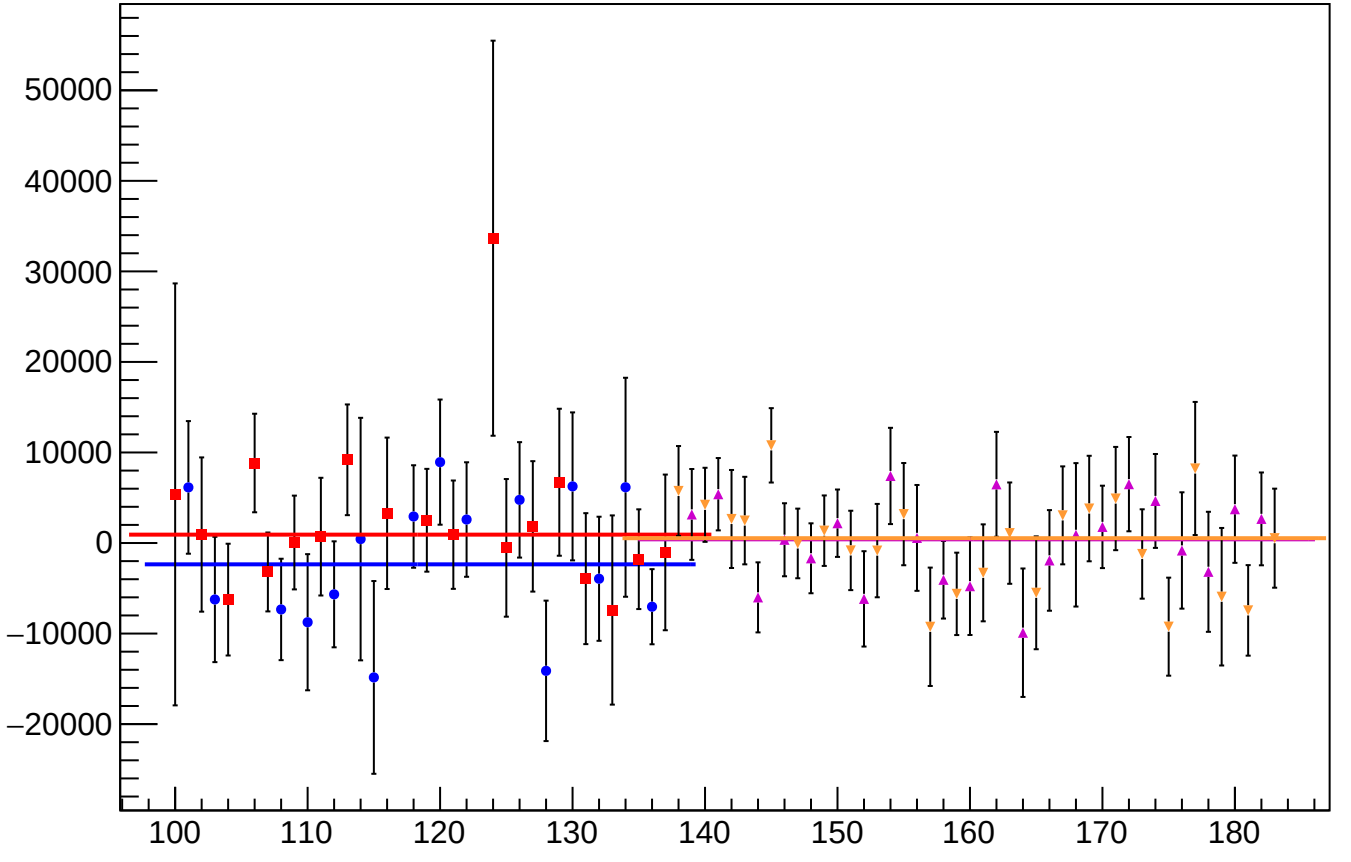
Left In: 4186.532+/-0.713 χ^2/NDF:1343920.1/21

+ sign 4148.974+/-0.586 χ^2/NDF: 1992559.4/39

All: 2663.653+/-0.325 χ^2/NDF: 35508708.7/8

- sign 2006.312+/-0.390 χ^2/NDF: 24248467.6/40

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 532.176+/-1034.561 χ^2/NDF:23.3/23

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

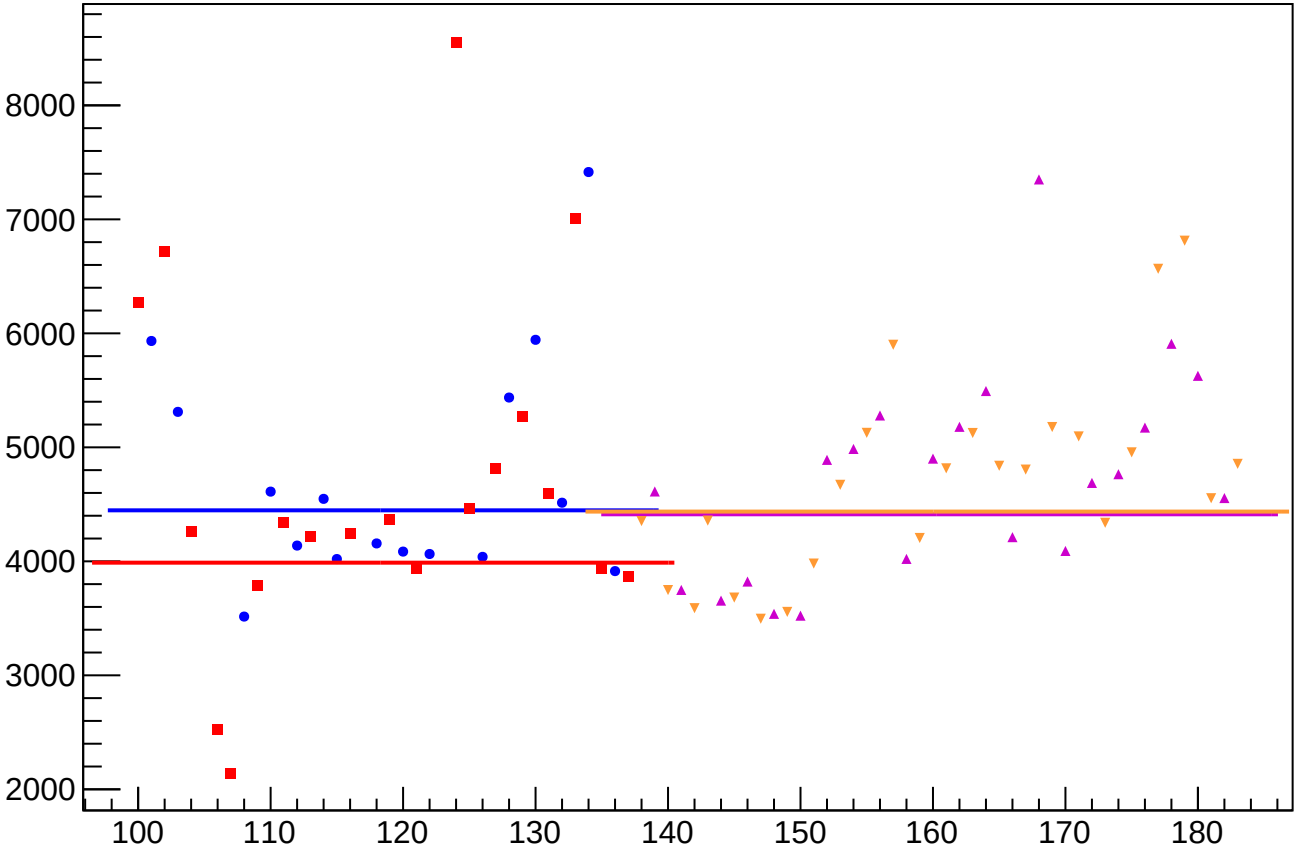
Left In: 405.505+/-1057.939 χ^2/NDF:16.8/21

+ sign -258.353+/-881.613 χ^2/NDF: 41.0/39

All: 160.290+/-620.415 χ^2/NDF: 68.9/80

- sign 571.024+/-873.246 χ^2/NDF: 27.5/40

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4436.354+/-0.732 χ^2/NDF:1069978.4/23

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

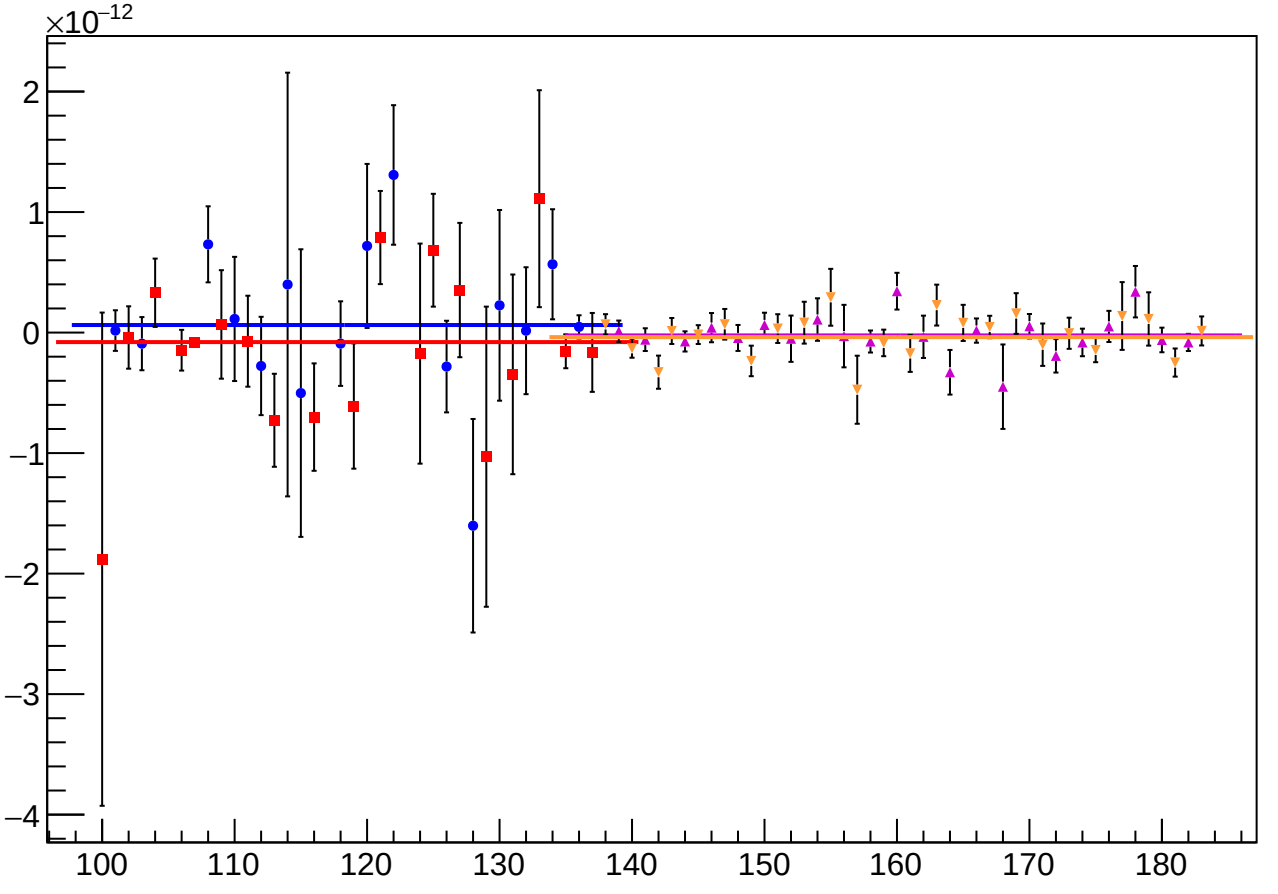
Left In: 4412.661+/-0.748 χ^2/NDF:1110570.4/21

+ sign 4439.385+/-0.623 χ^2/NDF: 1528292.3/39

All: 4356.433+/-0.438 χ^2/NDF: 3921735.0/80

- sign 4275.567+/-0.616 χ^2/NDF: 2358475.2/40

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/23

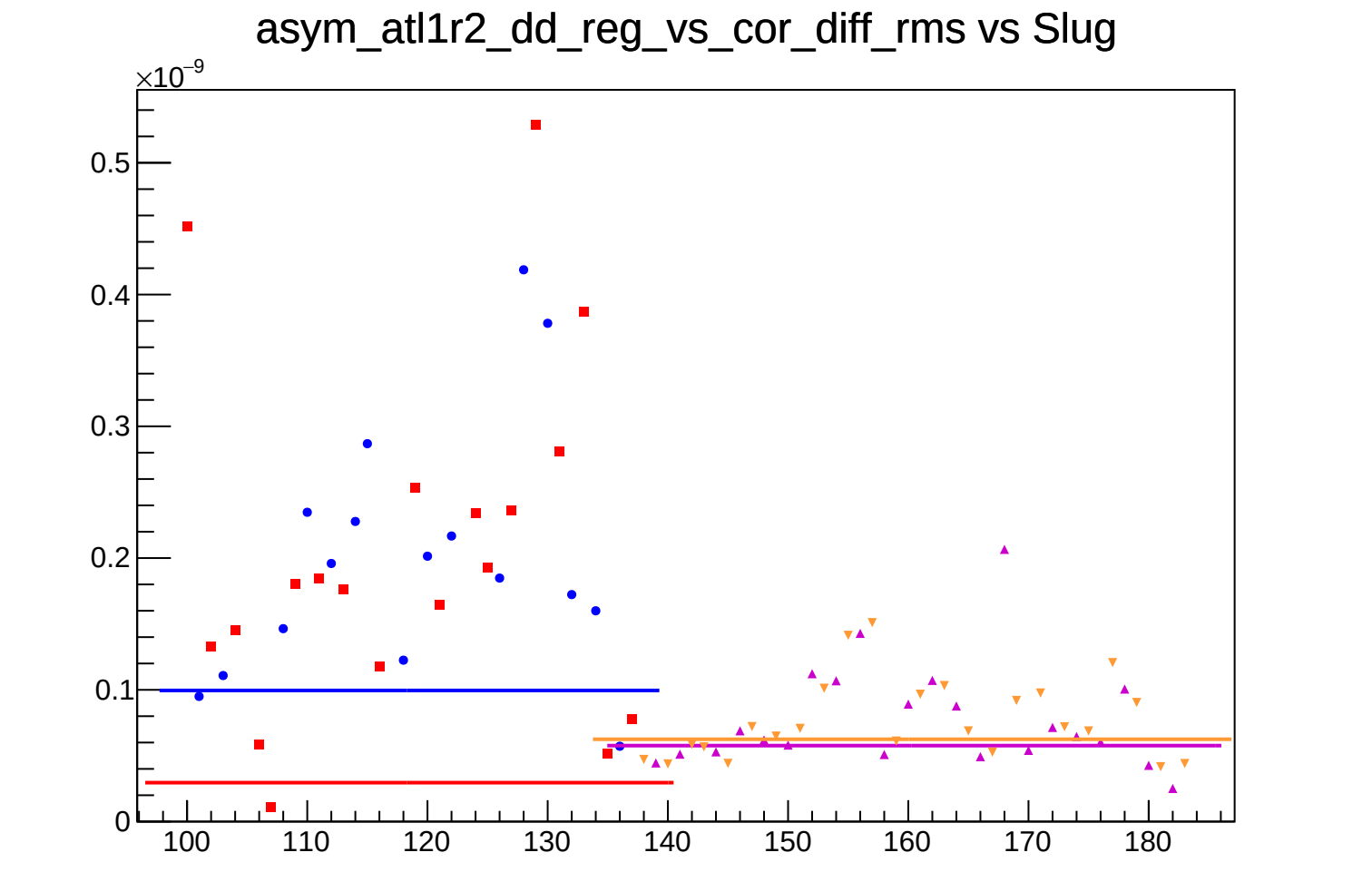
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/21

+ sign -0.000+/-0.000 χ^2/NDF: 47.2/39

All: -0.000+/-0.000 χ^2/NDF: 88.4/80

- sign -0.000+/-0.000 χ^2/NDF: 40.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1464746.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

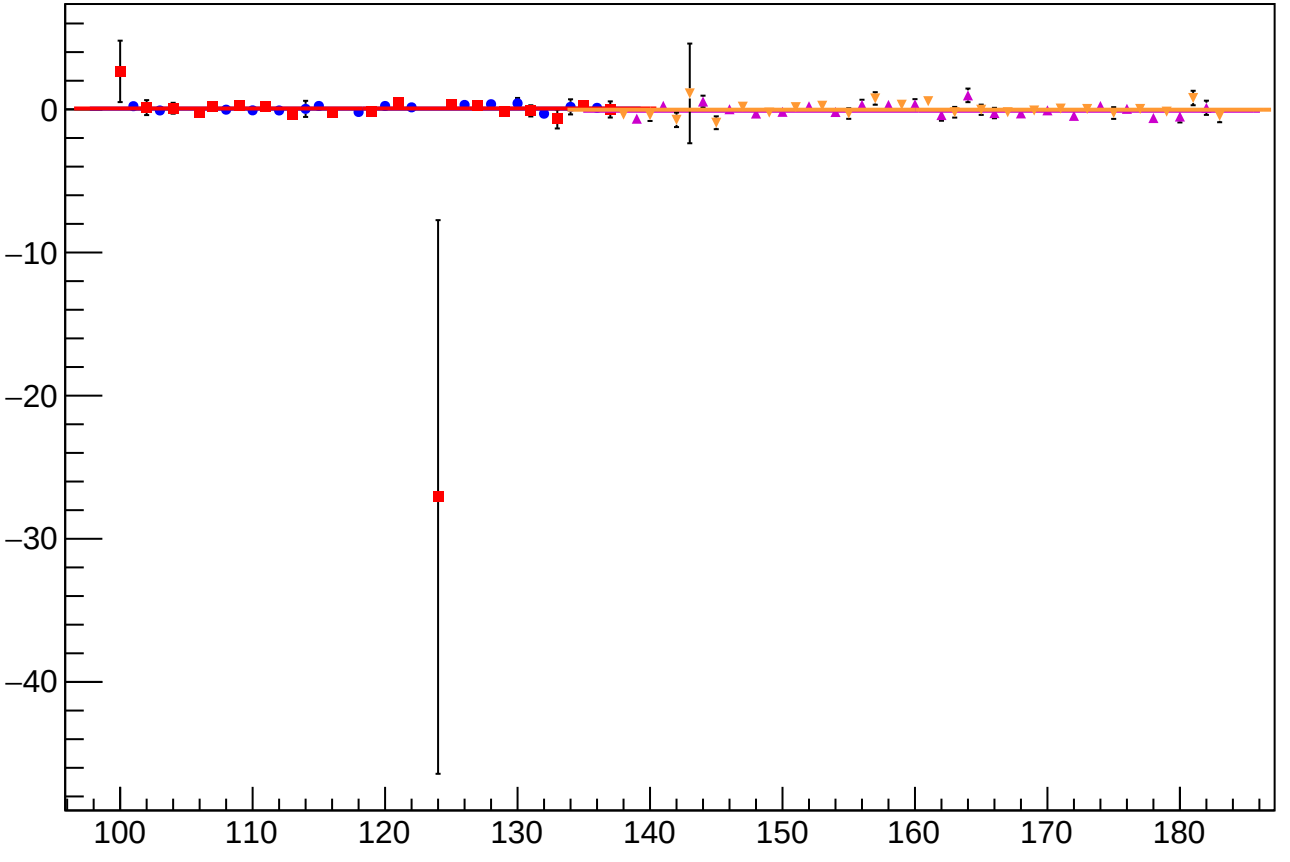
Left In: 0.000+/-0.000 χ^2/NDF:1868084.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 3548466.9/39

All: 0.000+/-0.000 χ^2/NDF: 11481660.8/80

- sign 0.000+/-0.000 χ^2/NDF: 7151446.8/40

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.062 χ^2/NDF:23.5/23

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

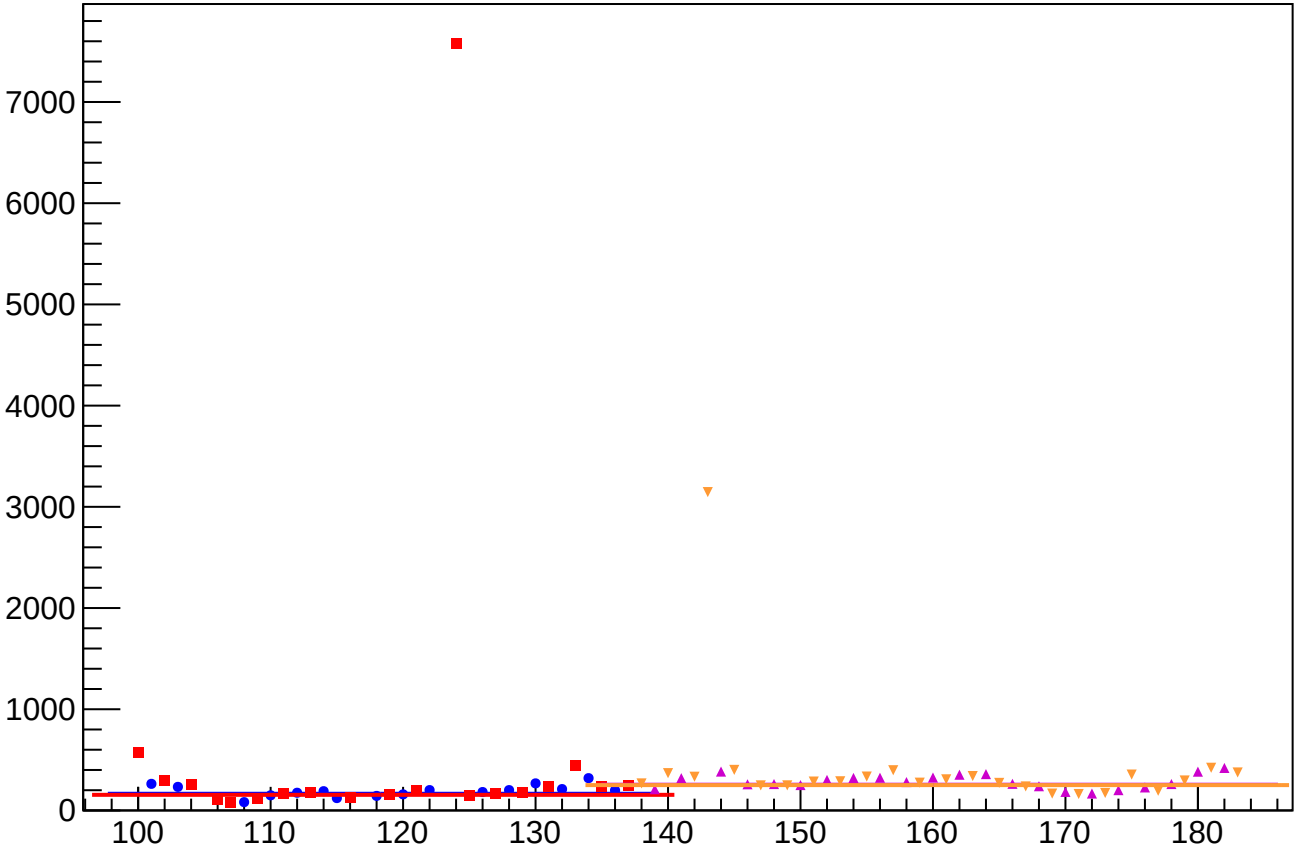
Left In: -0.098+/-0.063 χ^2/NDF:31.2/21

+ sign 0.010+/-0.045 χ^2/NDF: 31.8/39

All: -0.005+/-0.032 χ^2/NDF: 84.7/80

- sign -0.020+/-0.045 χ^2/NDF: 52.7/40

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 250.448+/-0.044 χ^2/NDF:4225245.5/23

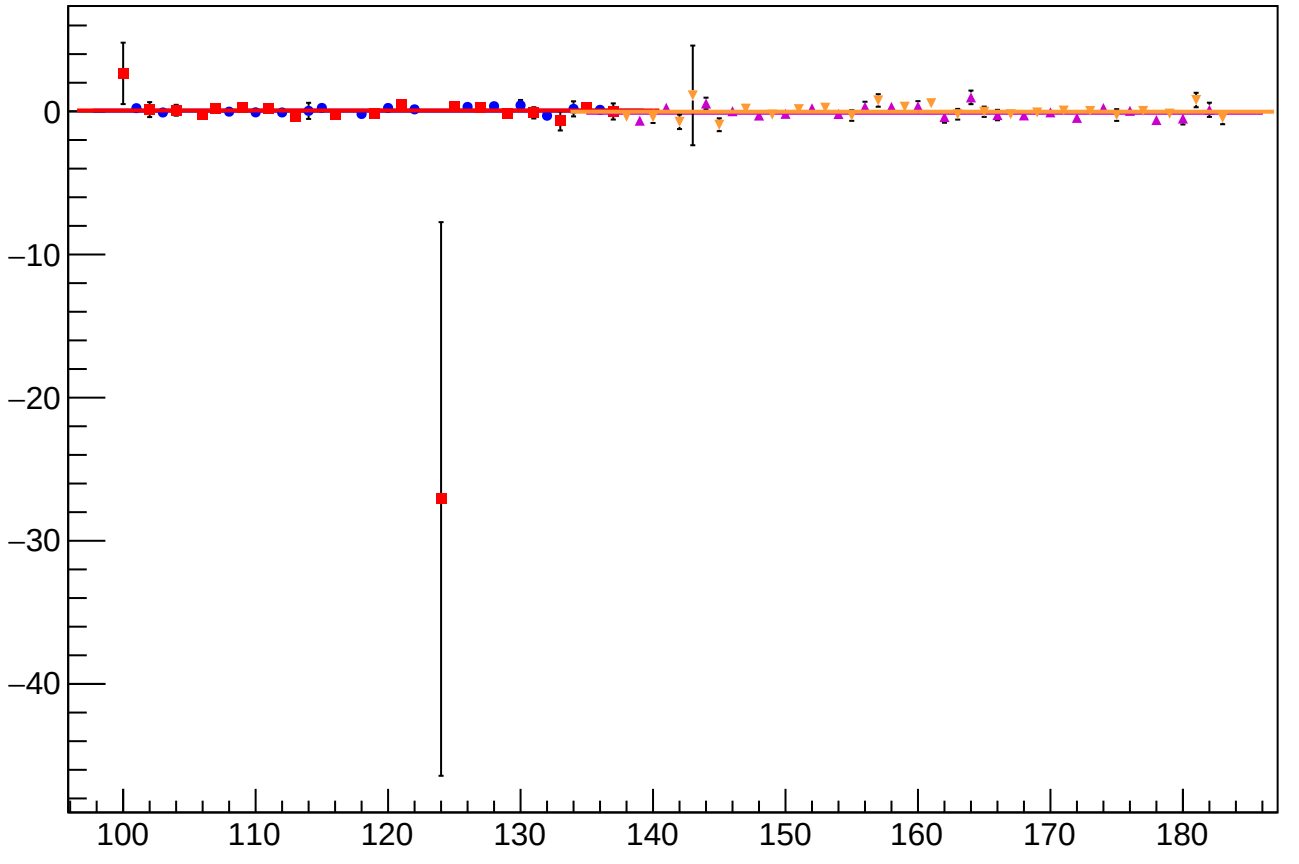
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 254.405+/-0.045 χ^2/NDF:2068790.9/21

+ sign 210.420+/-0.032 χ^2/NDF: 7468336.1/39

All: 207.825+/-0.023 χ^2/NDF: 13924909.8/80

- sign 205.262+/-0.032 χ^2/NDF: 6443599.4/40



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.062 χ^2/NDF:23.5/23

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

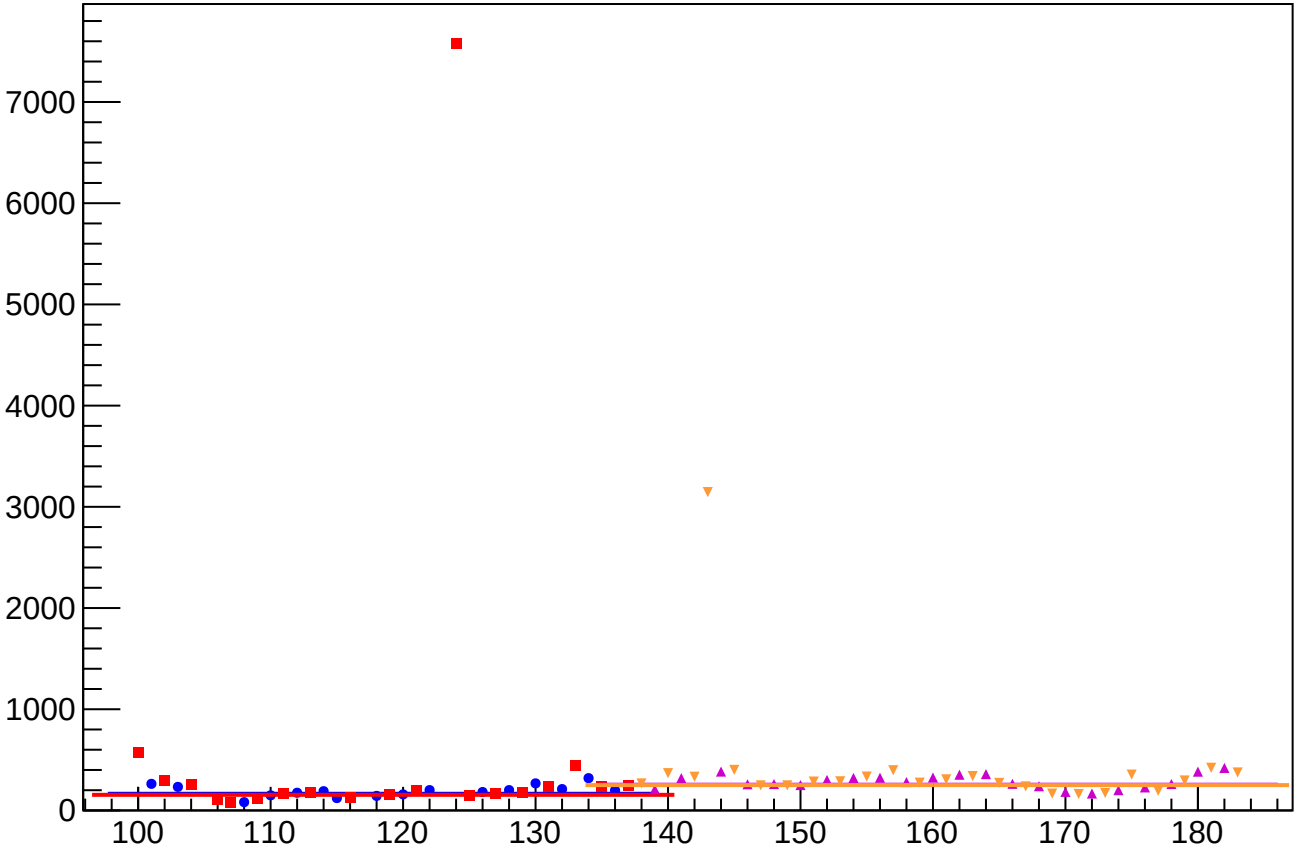
Left In: -0.098+/-0.063 χ^2/NDF:31.2/21

+ sign 0.010+/-0.045 χ^2/NDF: 31.8/39

All: -0.005+/-0.032 χ^2/NDF: 84.7/80

- sign -0.020+/-0.045 χ^2/NDF: 52.7/40

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 250.448+/-0.044 χ^2/NDF:4225245.5/23

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

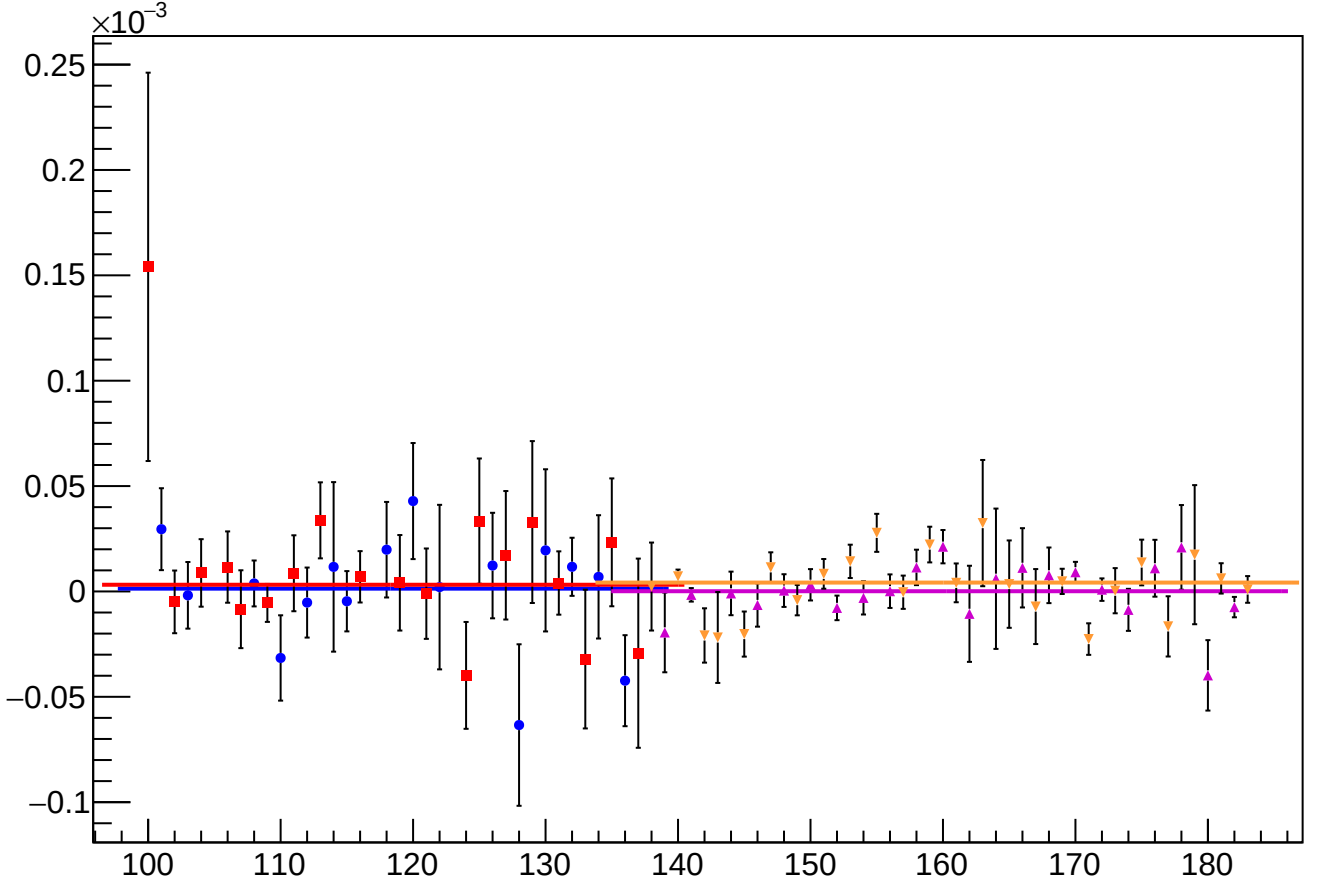
Left In: 254.405+/-0.045 χ^2/NDF:2068790.9/21

+ sign 210.420+/-0.032 χ^2/NDF: 7468336.1/39

All: 207.825+/-0.023 χ^2/NDF: 13924909.8/80

- sign 205.262+/-0.032 χ^2/NDF: 6443599.4/40

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.0/23

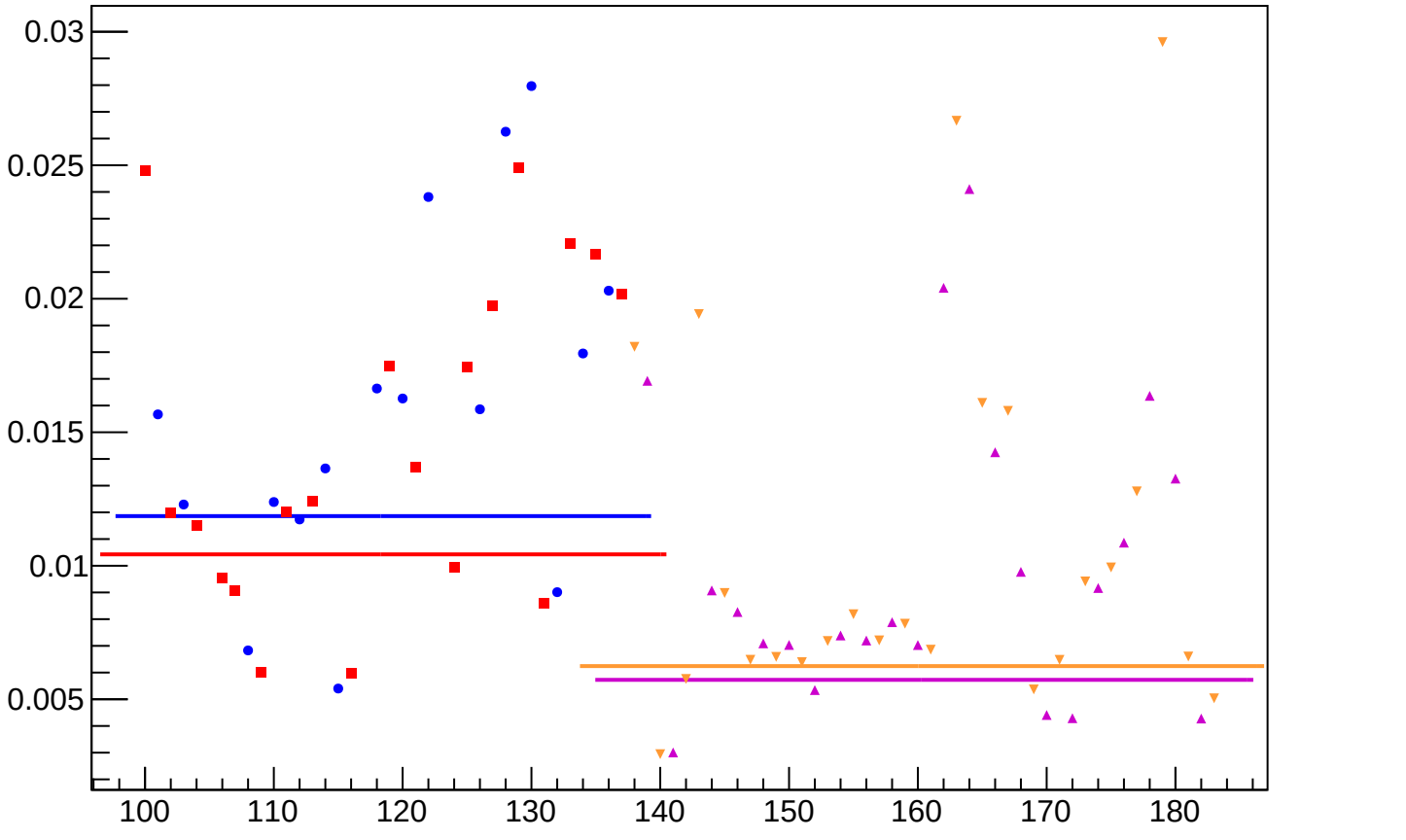
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:27.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/39

All: 0.000+/-0.000 χ^2/NDF: 106.9/80

- sign 0.000+/-0.000 χ^2/NDF: 42.9/40



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:7795852.5/23

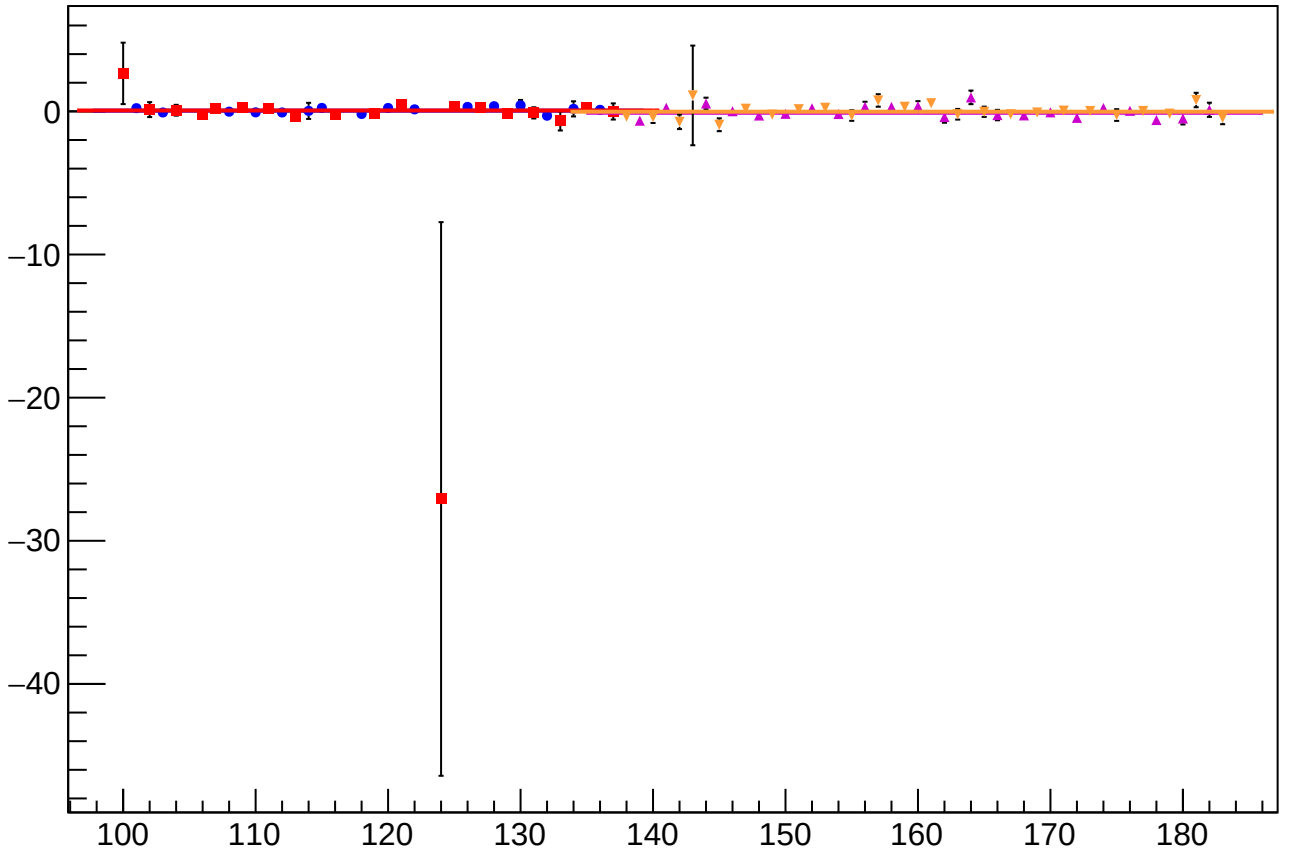
Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:6948835.0/21

+ sign 0.007+/-0.000 χ^2/NDF: 12585440.0/39

All: 0.007+/-0.000 χ^2/NDF: 24162534.5/80

- sign 0.006+/-0.000 χ^2/NDF: 11461679.6/40



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.062 χ^2/NDF:23.5/23

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

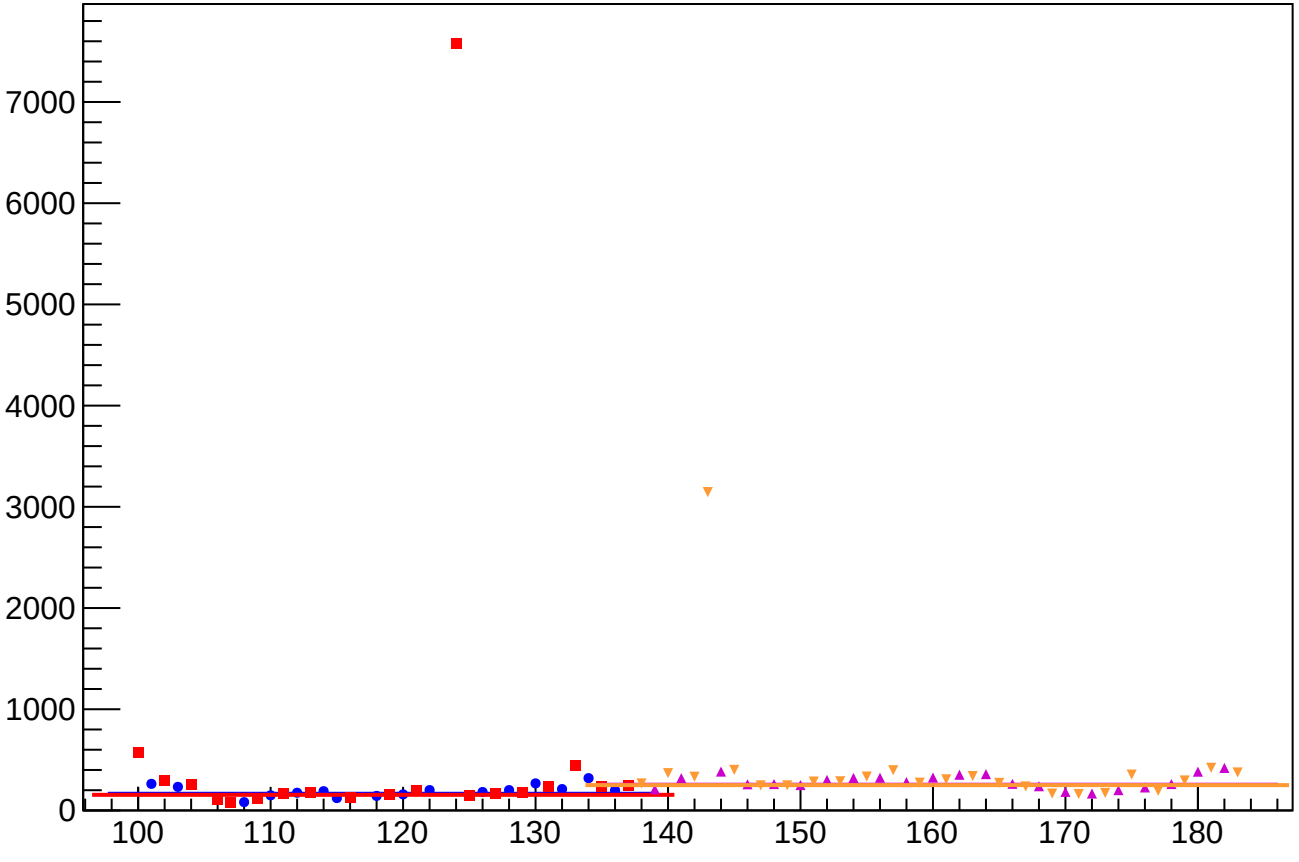
Left In: -0.098+/-0.063 χ^2/NDF:31.2/21

+ sign 0.010+/-0.045 χ^2/NDF: 31.8/39

All: -0.005+/-0.032 χ^2/NDF: 84.8/80

- sign -0.020+/-0.045 χ^2/NDF: 52.7/40

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 250.450+/-0.044 χ^2/NDF:4225342.0/23

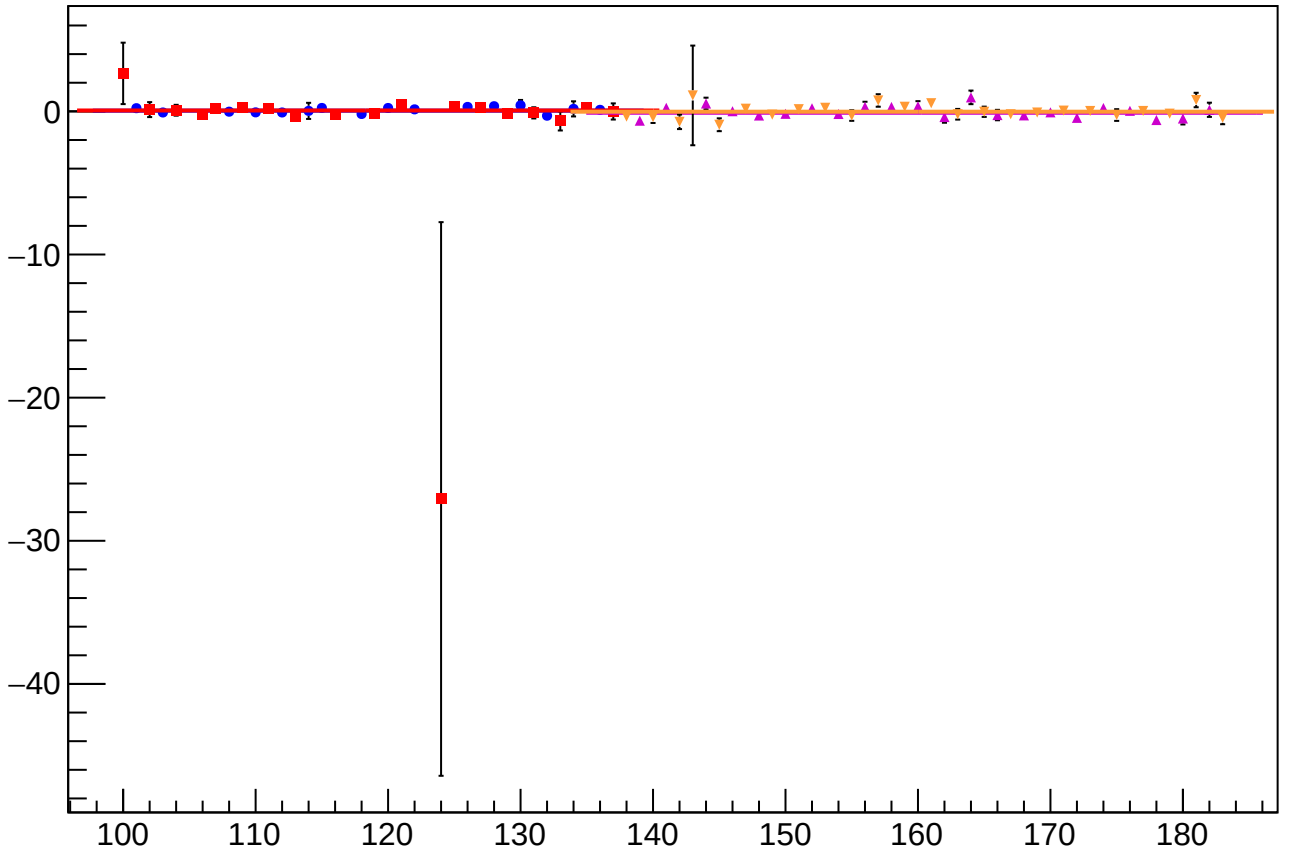
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 254.407+/-0.045 χ^2/NDF:2068825.7/21

+ sign 210.420+/-0.032 χ^2/NDF: 7468471.9/39

All: 207.826+/-0.023 χ^2/NDF: 13925211.6/80

- sign 205.263+/-0.032 χ^2/NDF: 6443766.8/40



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.062 χ^2/NDF:23.5/23

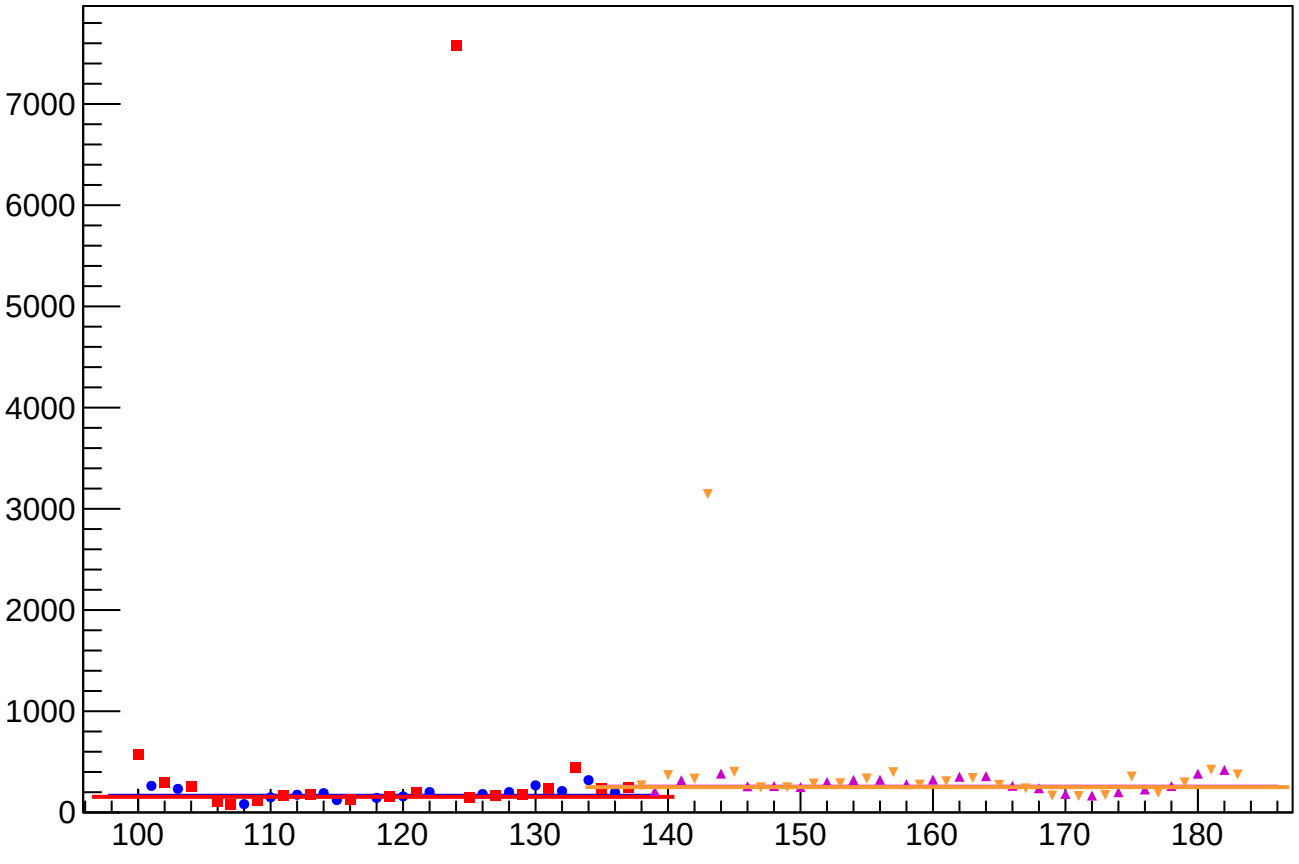
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.098+/-0.063 χ^2/NDF:31.2/21

+ sign 0.010+/-0.045 χ^2/NDF: 31.8/39

All: -0.005+/-0.032 χ^2/NDF: 84.8/80

- sign -0.020+/-0.045 χ^2/NDF: 52.7/40



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 250.450+/-0.044 χ^2/NDF:4225342.0/23

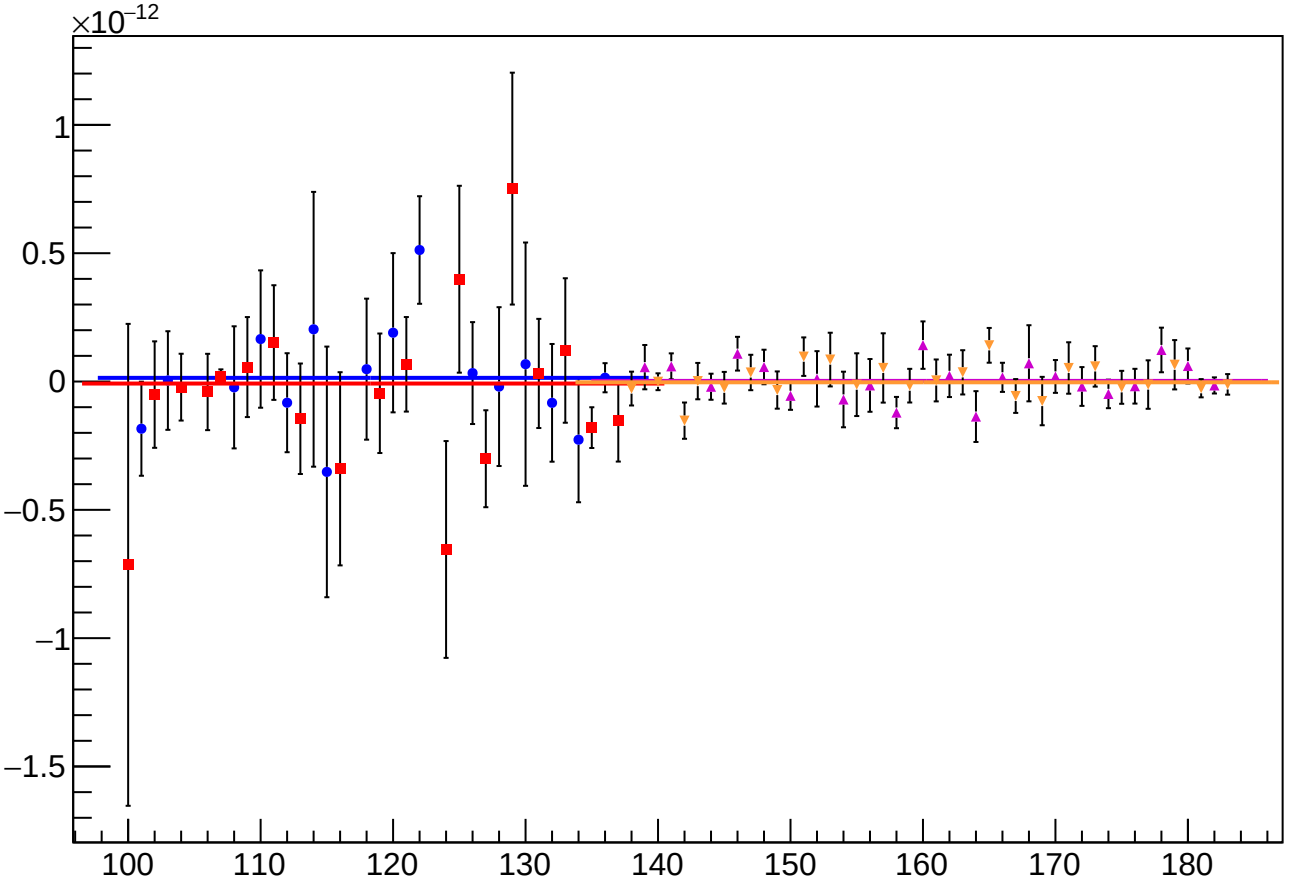
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 254.407+/-0.045 χ^2/NDF:2068825.7/21

+ sign 210.420+/-0.032 χ^2/NDF: 7468471.9/39

All: 207.826+/-0.023 χ^2/NDF: 13925211.6/80

- sign 205.263+/-0.032 χ^2/NDF: 6443766.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/23

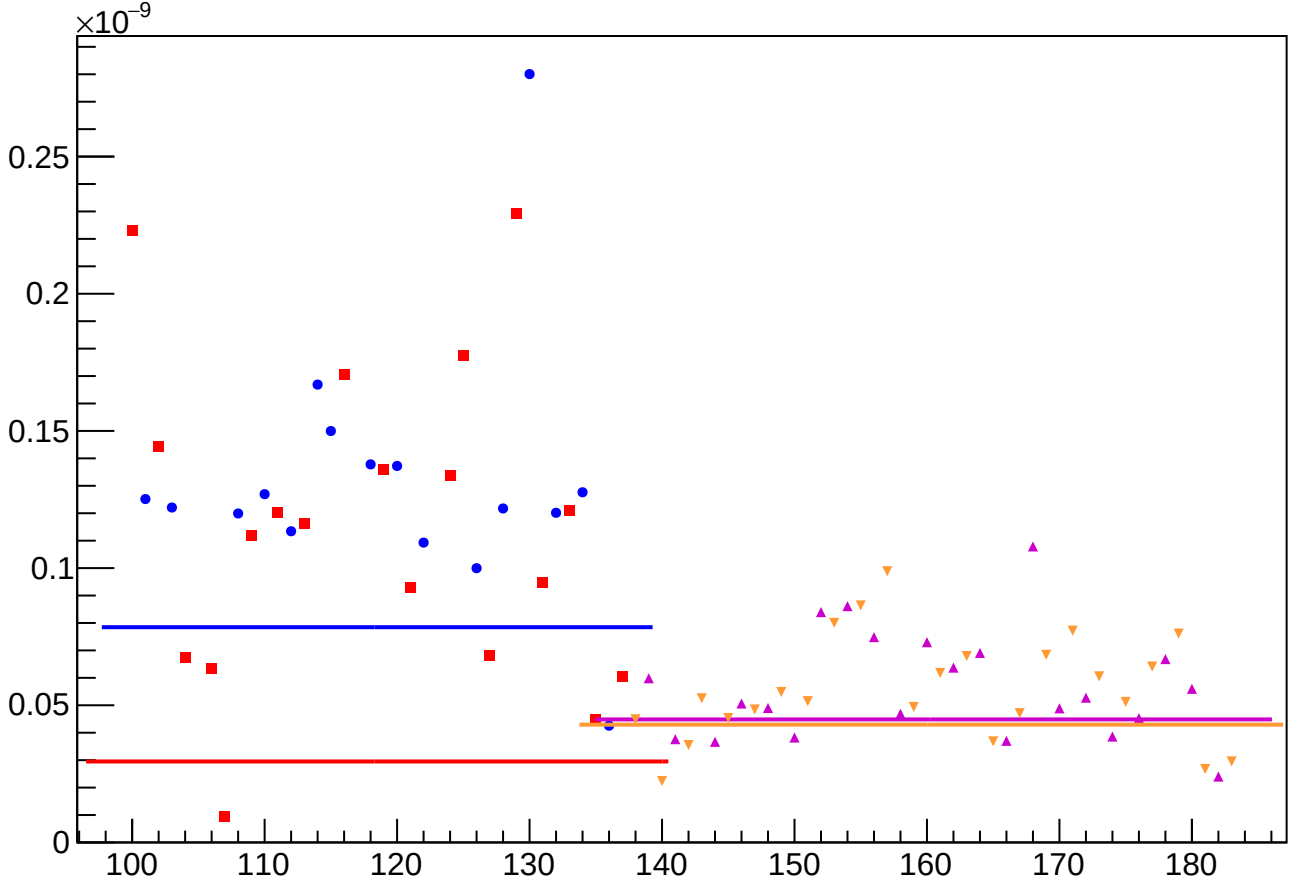
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.4/21

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/39

All: -0.000+/-0.000 χ^2/NDF: 63.6/80

- sign -0.000+/-0.000 χ^2/NDF: 37.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3596501.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

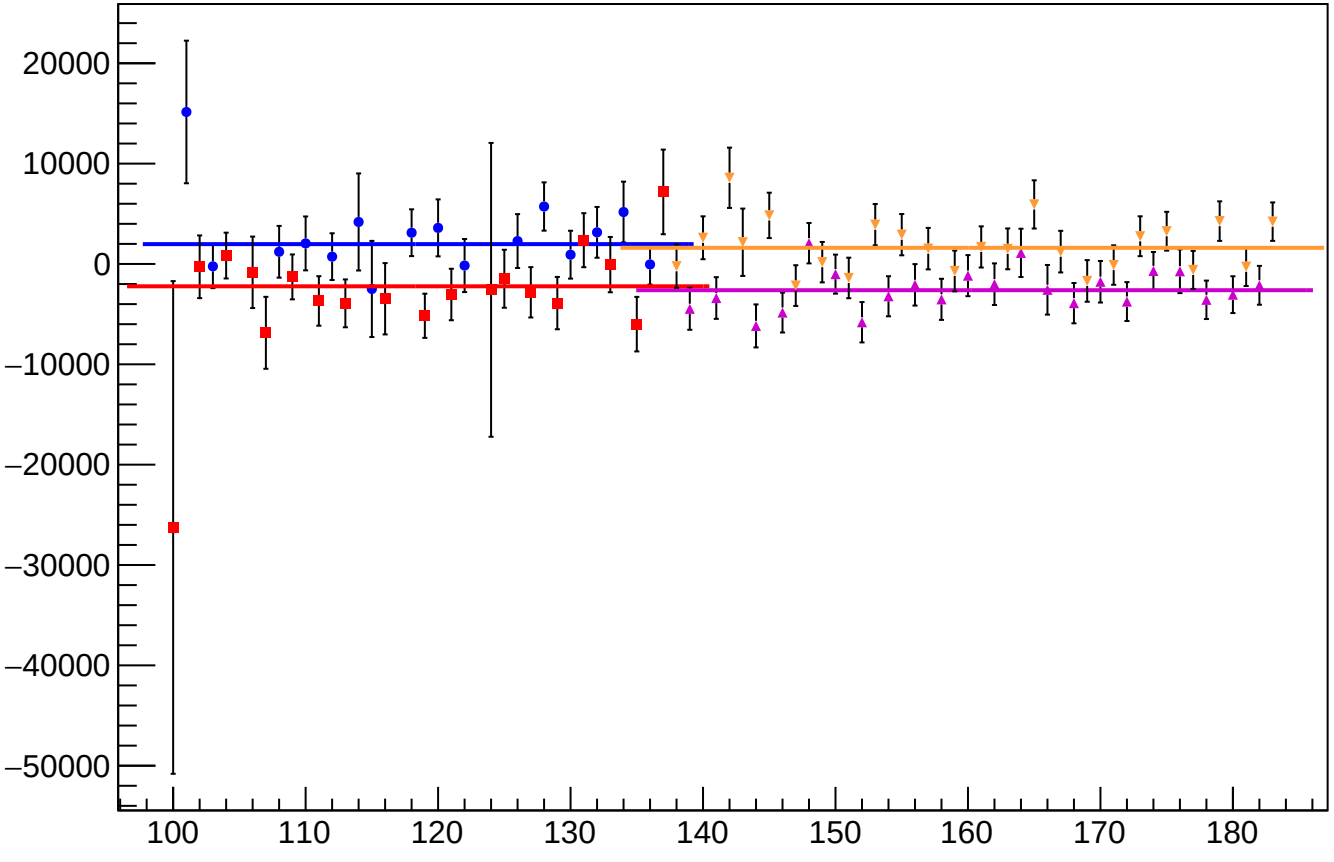
Left In: 0.000+/-0.000 χ^2/NDF:2856549.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 6980865.8/39

All: 0.000+/-0.000 χ^2/NDF: 16167021.8/80

- sign 0.000+/-0.000 χ^2/NDF: 9000439.9/40

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1610.448+/-426.807 χ^2/NDF:31.2/23

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

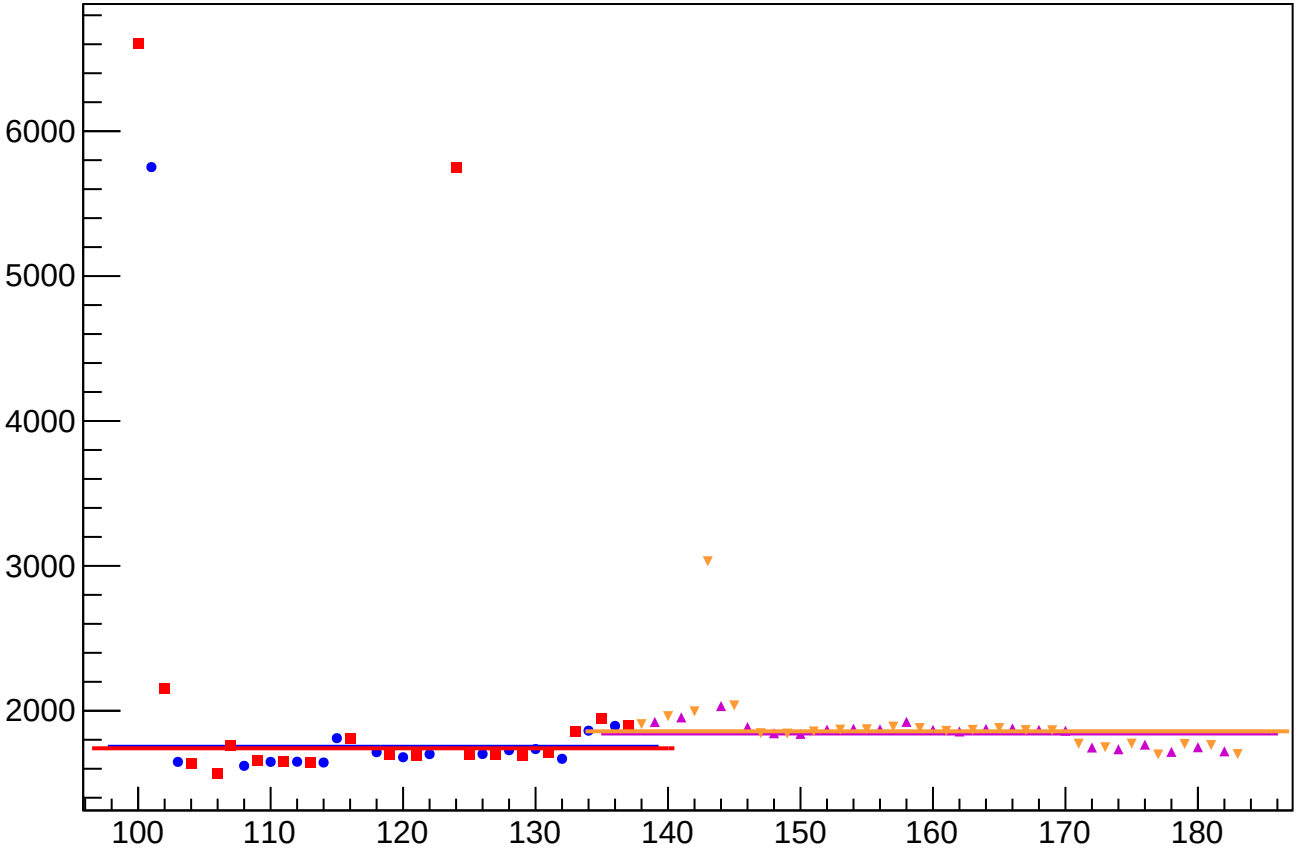
Left In: -2615.976+/-434.396 χ^2/NDF:20.0/21

+ sign 1716.571+/-359.616 χ^2/NDF: 43.5/39

All: -375.045+/-255.208 χ^2/NDF: 150.8/80

- sign -2497.224+/-362.234 χ^2/NDF: 39.2/40

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1858.402+/-0.302 χ^2/NDF:318852.0/23

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

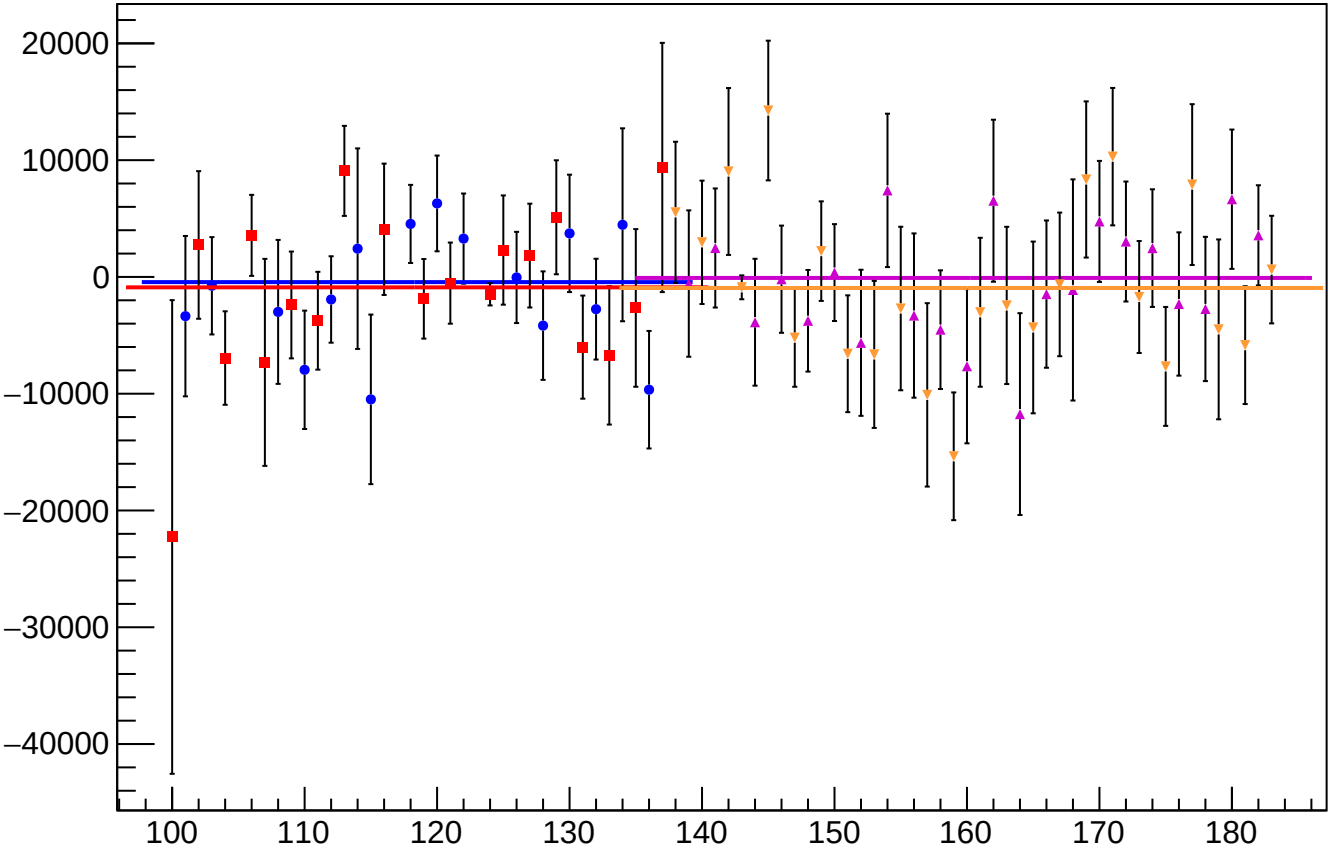
Left In: 1843.446+/-0.307 χ^2/NDF:67561.9/21

+ sign 1827.424+/-0.254 χ^2/NDF: 1025825.6/39

All: 1819.716+/-0.180 χ^2/NDF: 1434090.7/80

- sign 1811.931+/-0.256 χ^2/NDF: 406418.4/40

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -945.522+/-775.362 χ^2/NDF:32.8/23

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

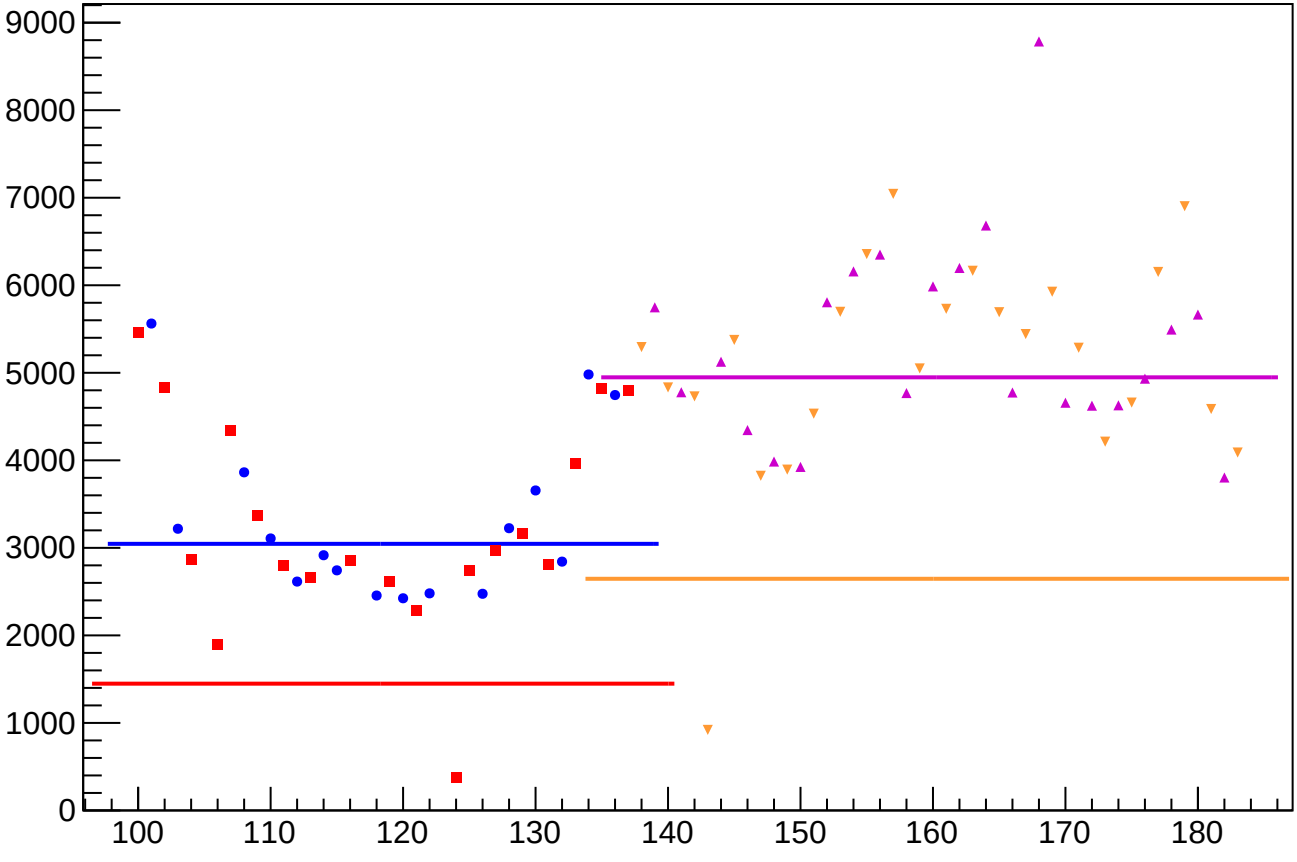
Left In: -85.444+/-1189.256 χ^2/NDF:12.4/21

\+ sign -793.368+/-647.067 χ^2/NDF: 48.8/39

All: -730.729+/-447.480 χ^2/NDF: 81.7/80

\- sign -673.315+/-619.497 χ^2/NDF: 32.9/40

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2646.667+/-0.548 χ^2/NDF:14471177.8/23

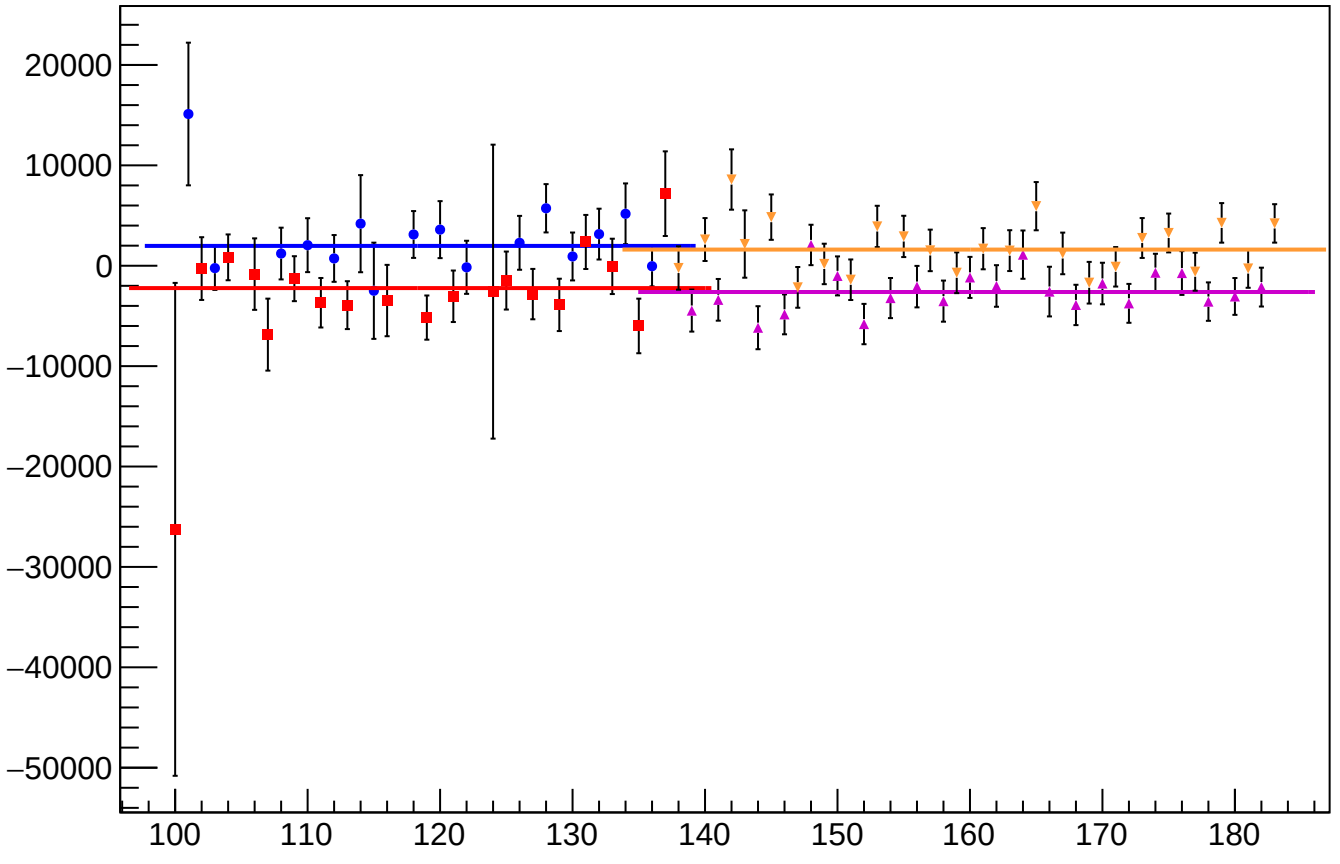
Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4948.203+/-0.841 χ^2/NDF:1212465.7/21

+ sign 2767.859+/-0.458 χ^2/NDF: 15539532.7/39

All: 2574.962+/-0.316 χ^2/NDF: 36499501.0/8

- sign 2398.153+/-0.438 χ^2/NDF: 20619314.8/40



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1610.424+/-426.807 χ^2/NDF:31.2/23

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

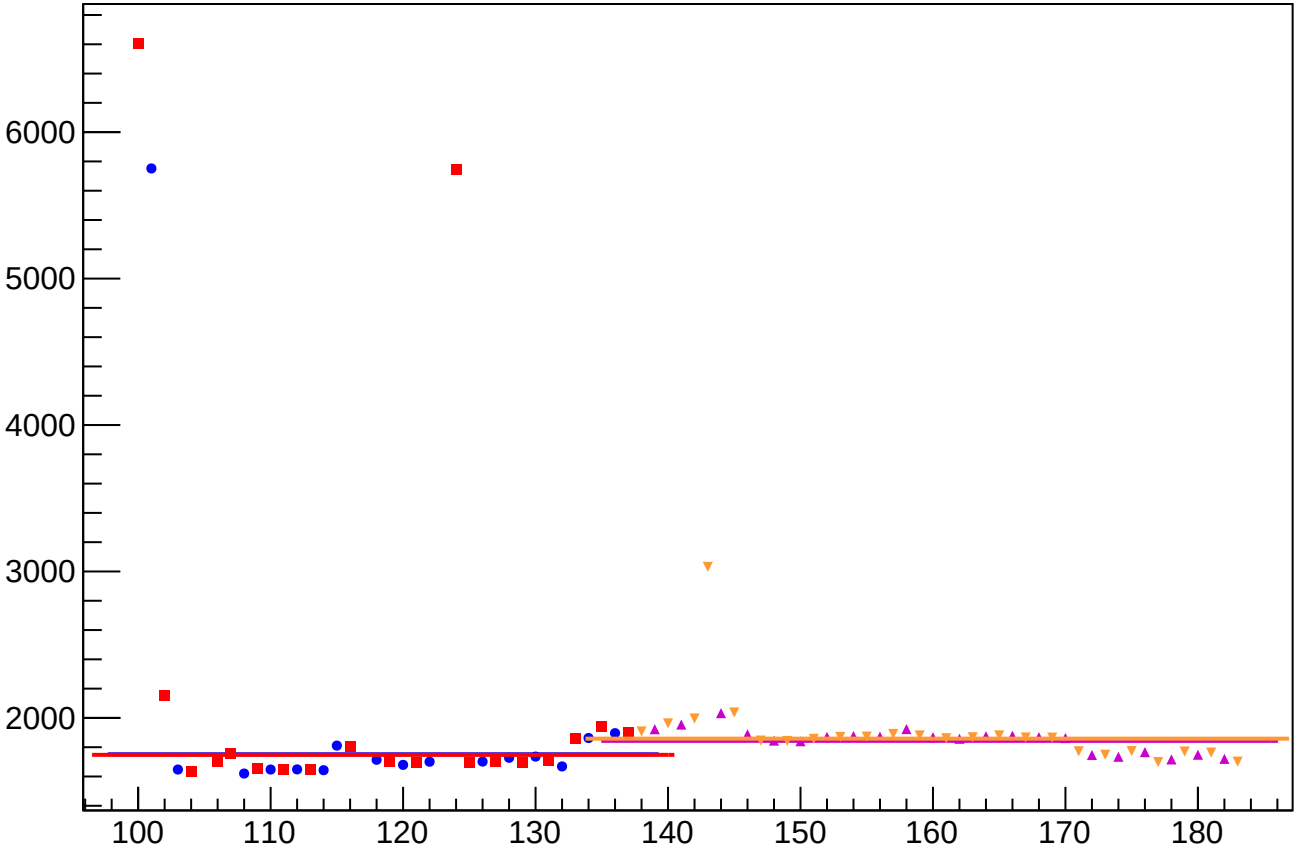
Left In: -2616.018+/-434.396 χ^2/NDF:20.0/21

+ sign 1716.451+/-359.616 χ^2/NDF: 43.5/39

All: -375.134+/-255.208 χ^2/NDF: 150.8/80

- sign -2497.283+/-362.234 χ^2/NDF: 39.2/40

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1858.402+/-0.302 χ^2/NDF:318852.0/23

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

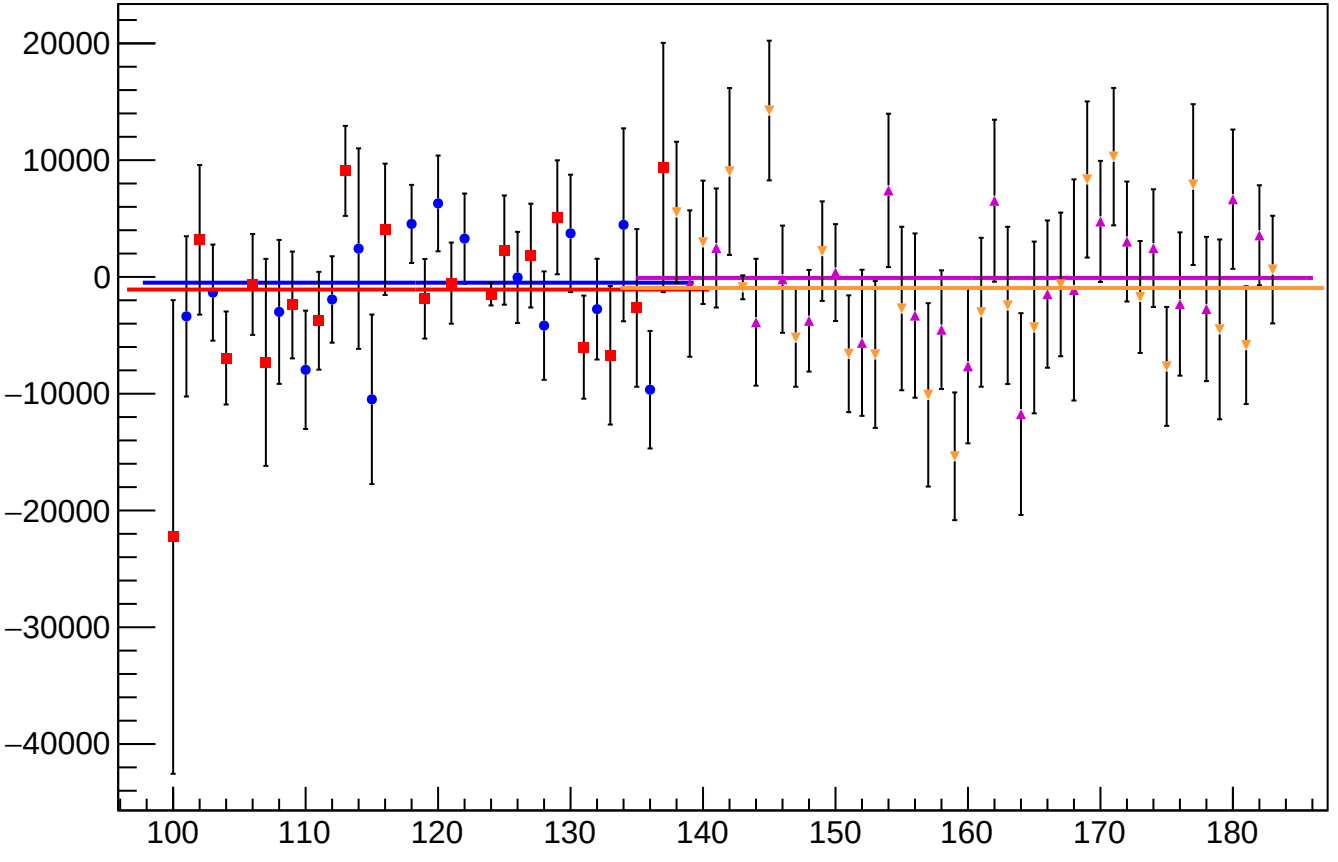
Left In: 1843.446+/-0.307 χ^2/NDF:67561.9/21

+ sign 1827.424+/-0.254 χ^2/NDF: 1025826.1/39

All: 1820.828+/-0.180 χ^2/NDF: 1422360.2/80

- sign 1814.151+/-0.256 χ^2/NDF: 395180.3/40

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -945.367+/-775.344 χ^2/NDF:32.8/23

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

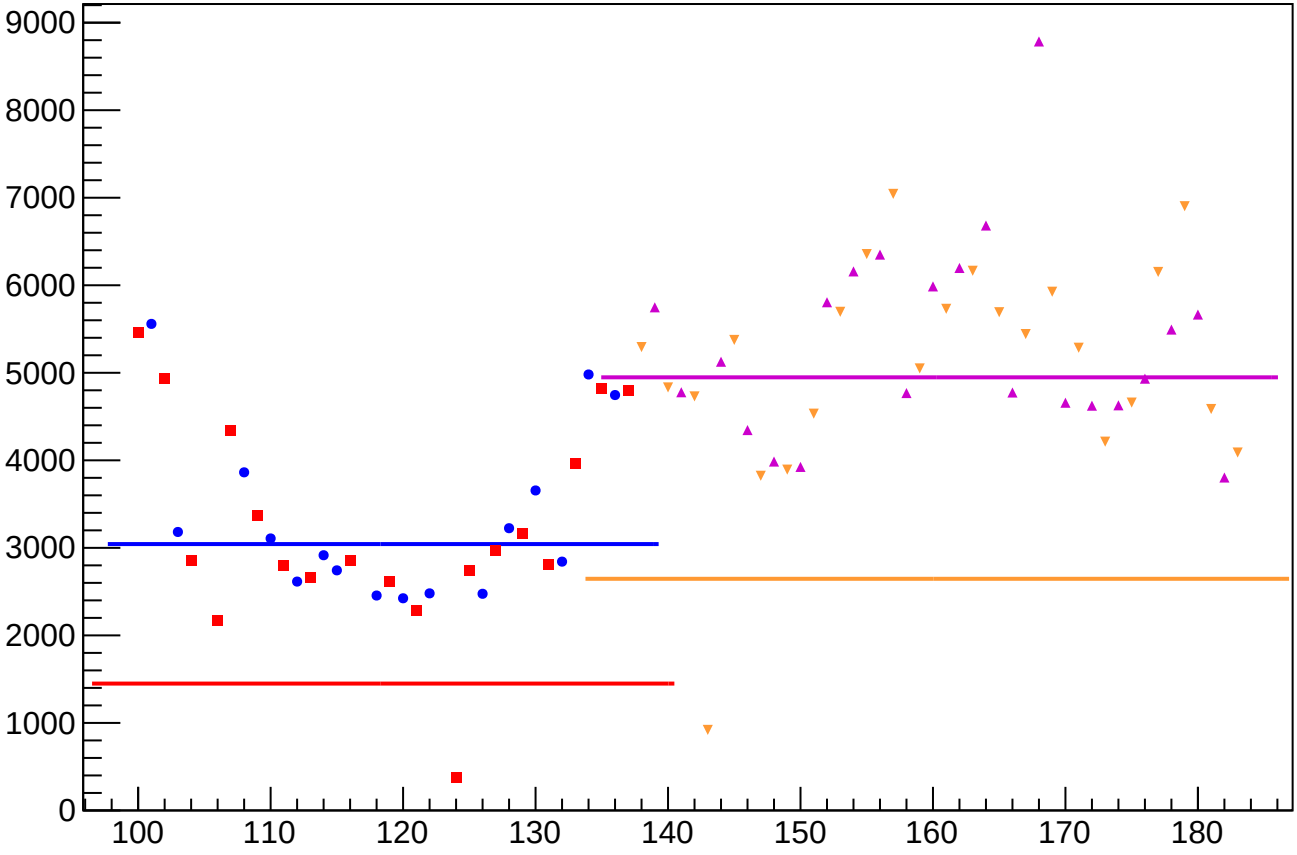
Left In: -85.518+/-1189.255 χ^2/NDF:12.4/21

+ sign -807.833+/-646.854 χ^2/NDF: 48.8/39

All: -807.774+/-448.740 χ^2/NDF: 80.3/80

- sign -807.720+/-623.044 χ^2/NDF: 31.4/40

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2646.564+/-0.548 χ^2/NDF:14471904.7/23

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

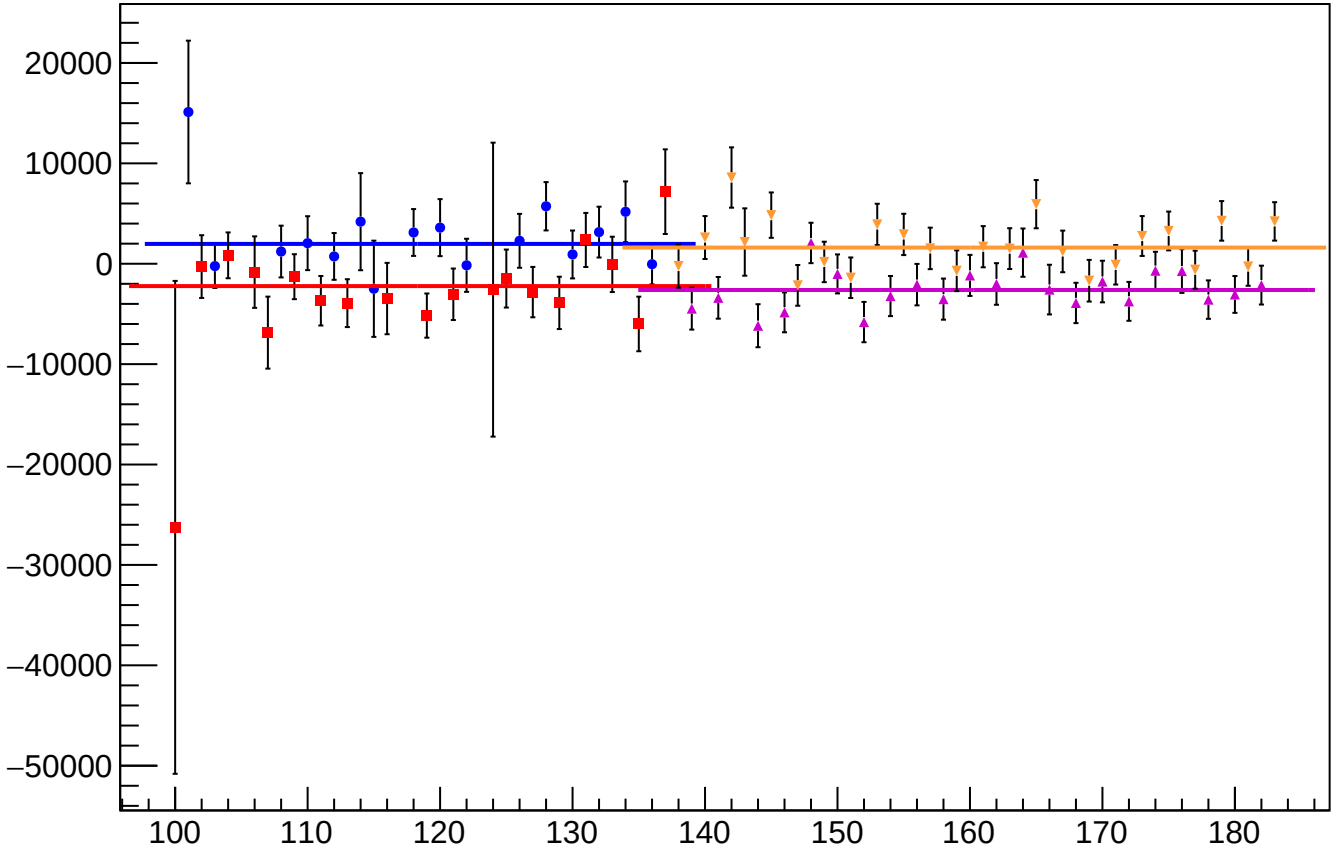
Left In: 4948.198+/-0.841 χ^2/NDF:1212477.5/21

+ sign 2767.153+/-0.457 χ^2/NDF: 15536719.0/39

All: 2581.769+/-0.317 χ^2/NDF: 36450360.7/8

- sign 2409.782+/-0.441 χ^2/NDF: 20596970.8/40

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1610.424+/-426.807 χ^2/NDF:31.2/23

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

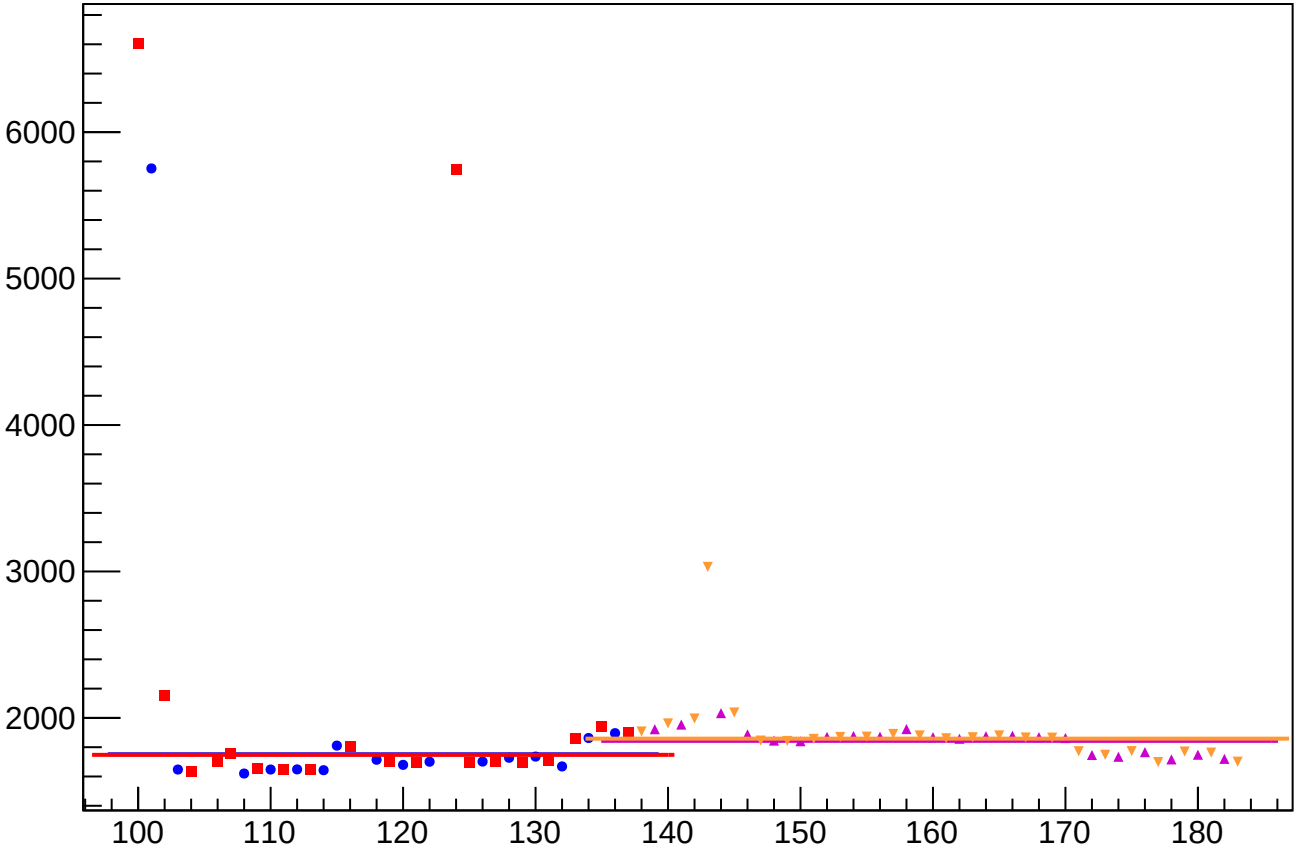
Left In: -2616.018+/-434.396 χ^2/NDF:20.0/21

+ sign 1716.451+/-359.616 χ^2/NDF: 43.5/39

All: -375.134+/-255.208 χ^2/NDF: 150.8/80

- sign -2497.283+/-362.234 χ^2/NDF: 39.2/40

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1858.402+/-0.302 χ^2/NDF:318852.0/23

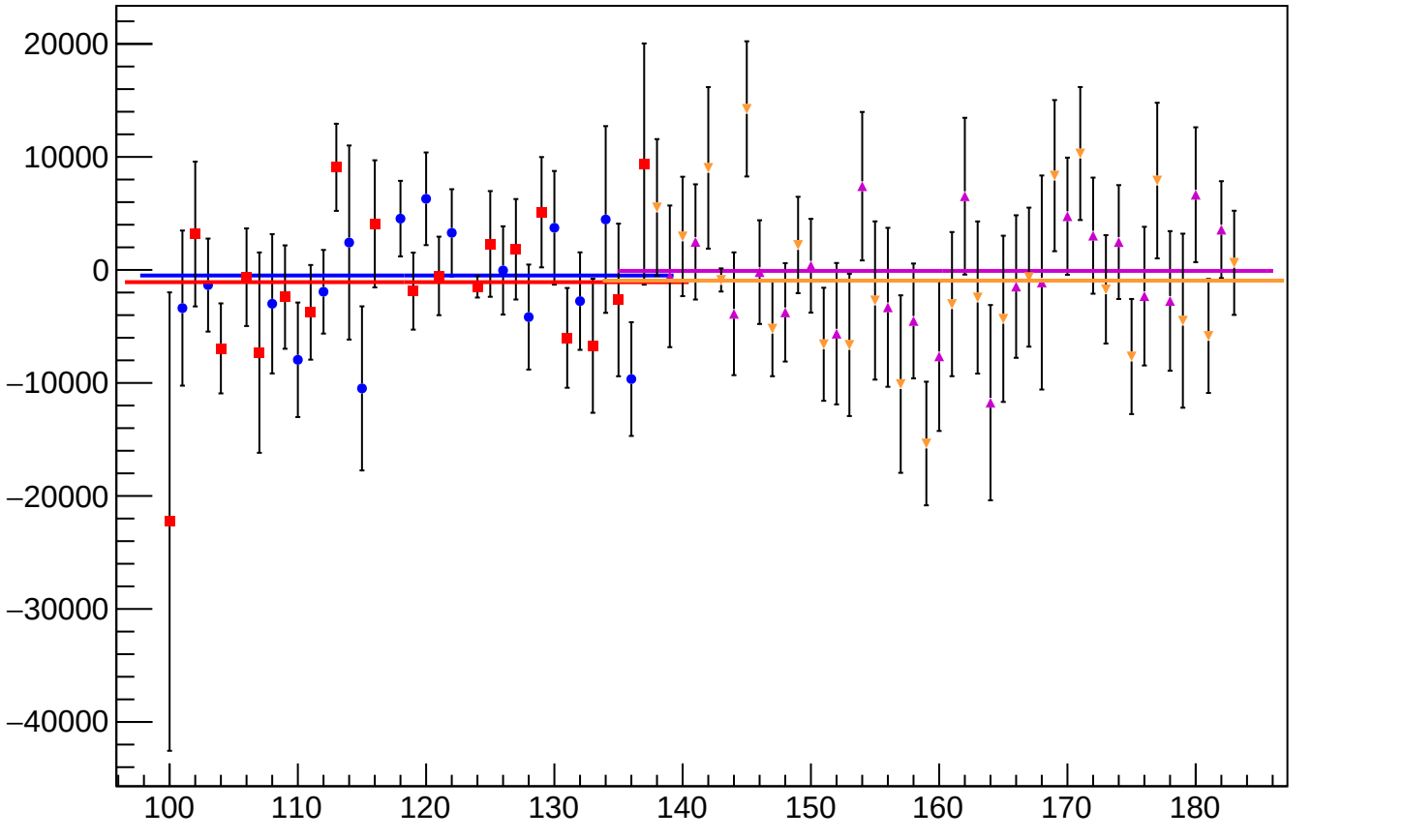
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1843.446+/-0.307 χ^2/NDF:67561.9/21

+ sign 1827.424+/-0.254 χ^2/NDF: 1025826.1/39

All: 1820.828+/-0.180 χ^2/NDF: 1422360.2/80

- sign 1814.151+/-0.256 χ^2/NDF: 395180.3/40



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -945.367+/-775.344 χ^2/NDF:32.8/23

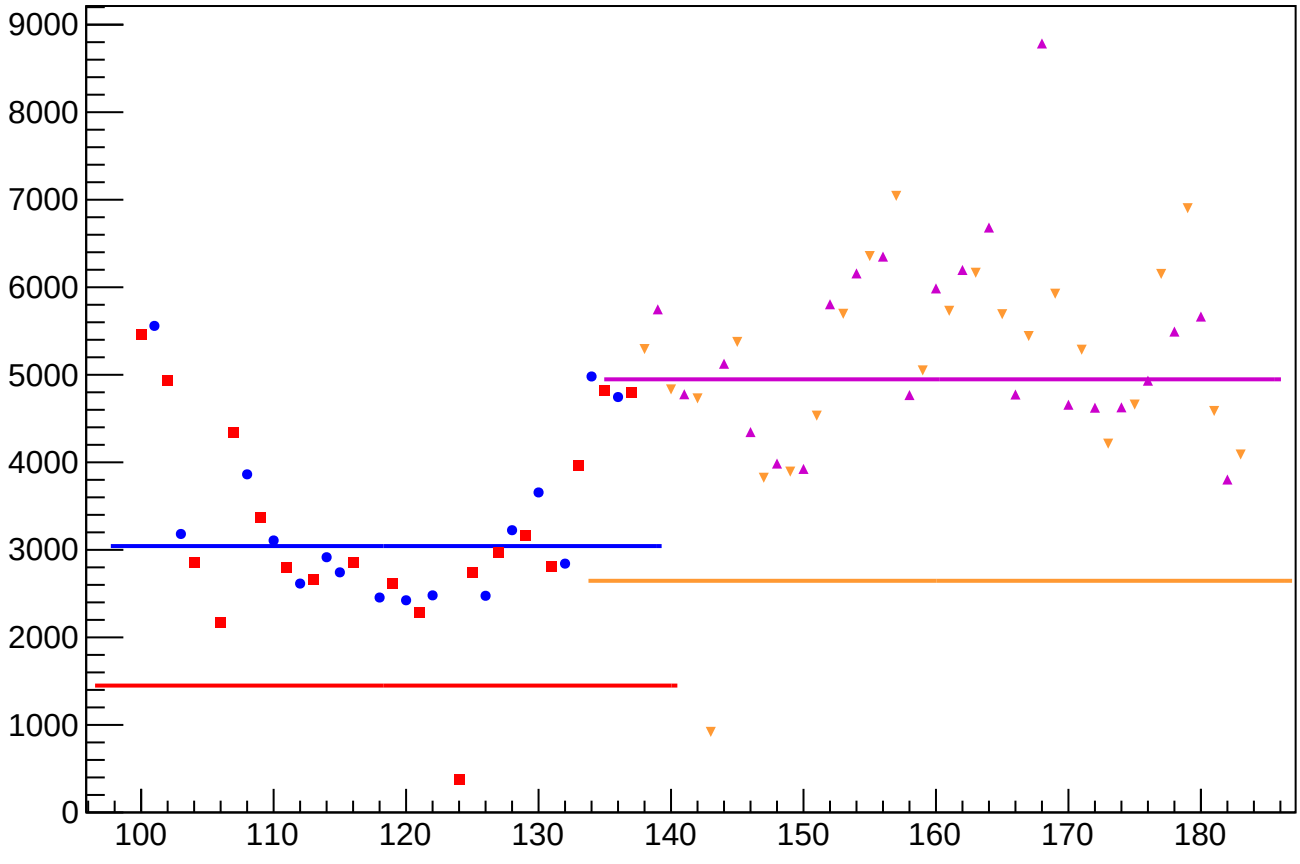
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -85.518+/-1189.255 χ^2/NDF:12.4/21

+ sign -807.833+/-646.854 χ^2/NDF: 48.8/39

All: -807.774+/-448.740 χ^2/NDF: 80.3/80

- sign -807.720+/-623.044 χ^2/NDF: 31.4/40



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2646.564+/-0.548 χ^2/NDF:14471904.7/23

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

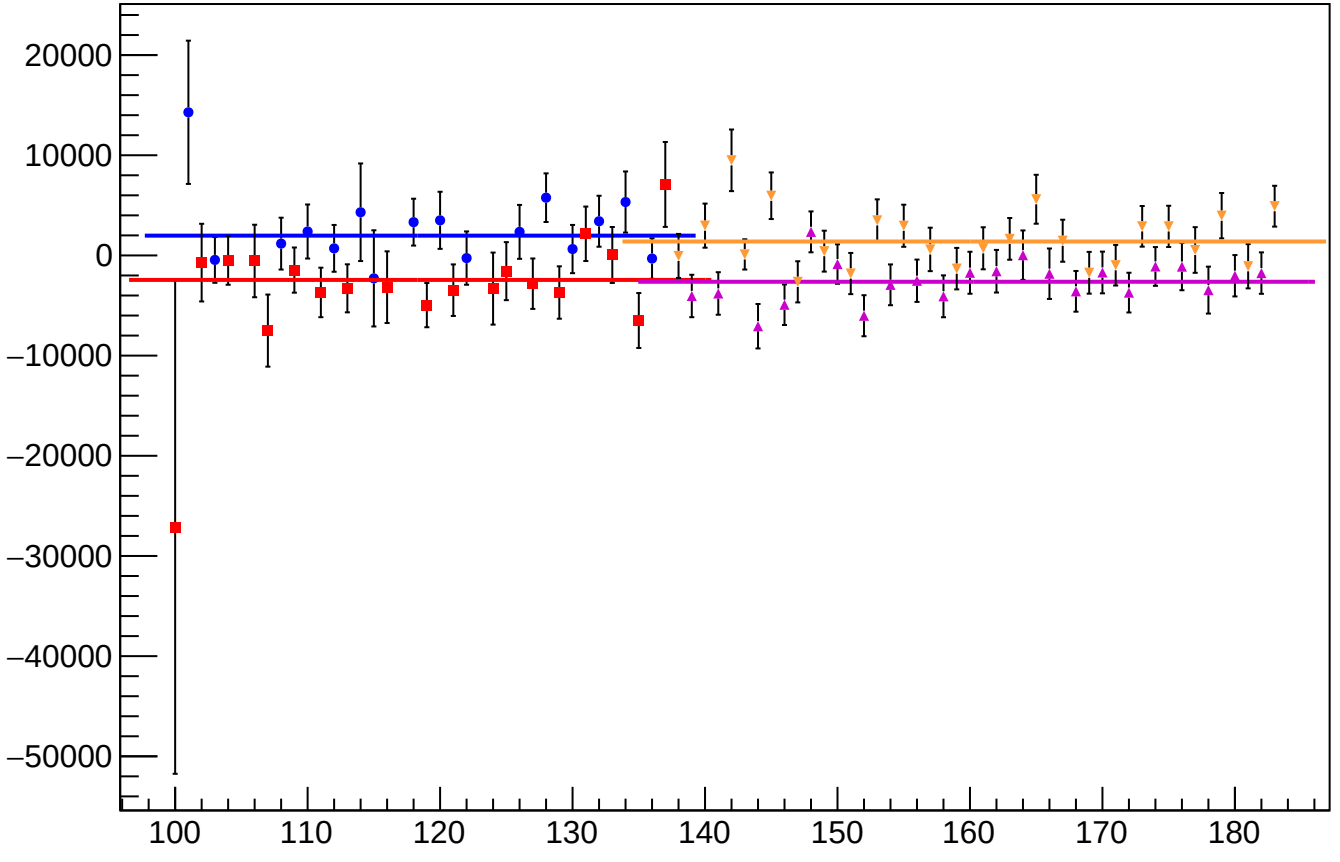
Left In: 4948.198+/-0.841 χ^2/NDF:1212477.5/21

+ sign 2767.153+/-0.457 χ^2/NDF: 15536719.0/39

All: 2581.769+/-0.317 χ^2/NDF: 36450360.7/8

- sign 2409.782+/-0.441 χ^2/NDF: 20596970.8/40

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1390.661+/-430.541 χ^2/NDF:35.9/23

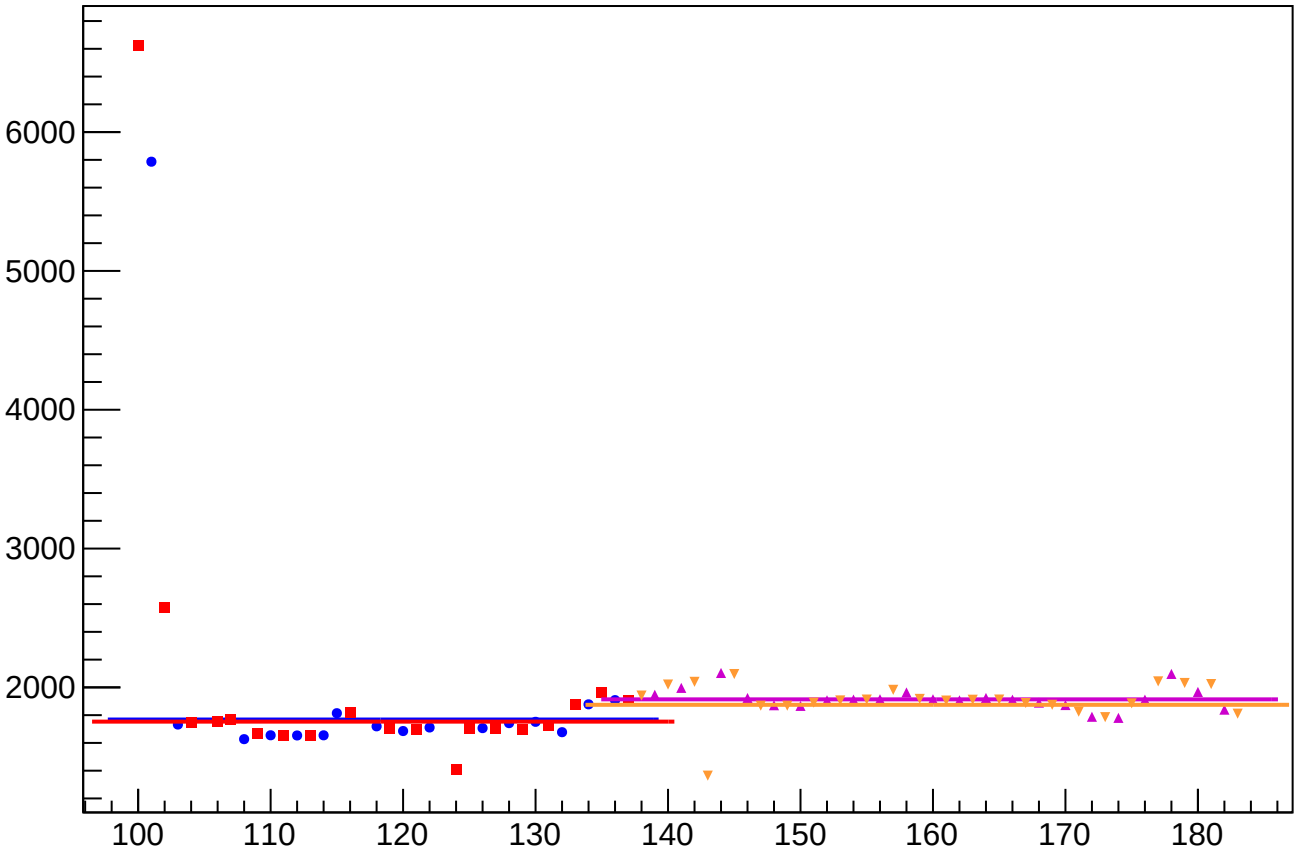
Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: -2628.006+/-450.956 χ^2/NDF:19.9/21

+ sign 1560.202+/-362.846 χ^2/NDF: 48.8/39

All: -453.504+/-259.721 χ^2/NDF: 149.4/80

- sign -2569.225+/-371.923 χ^2/NDF: 37.4/40



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1874.490+/-0.304 χ^2/NDF:308482.9/23

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

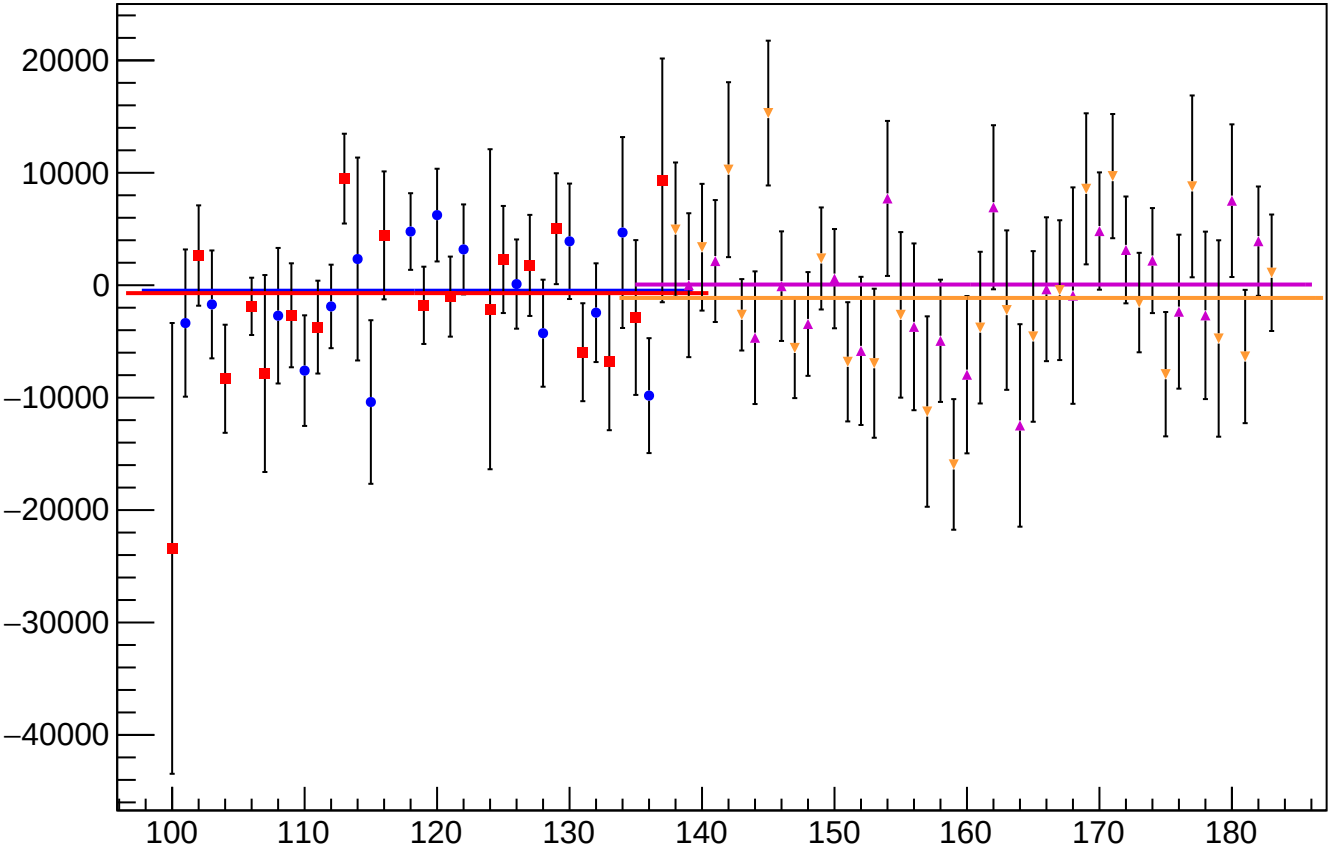
Left In: 1913.782+/-0.319 χ^2/NDF:56200.3/21

+ sign 1843.774+/-0.257 χ^2/NDF: 1010982.4/39

All: 1852.816+/-0.184 χ^2/NDF: 1369801.8/80

- sign 1862.301+/-0.263 χ^2/NDF: 356274.4/40

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1130.902+/-1165.369 χ^2/NDF:32.5/23

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

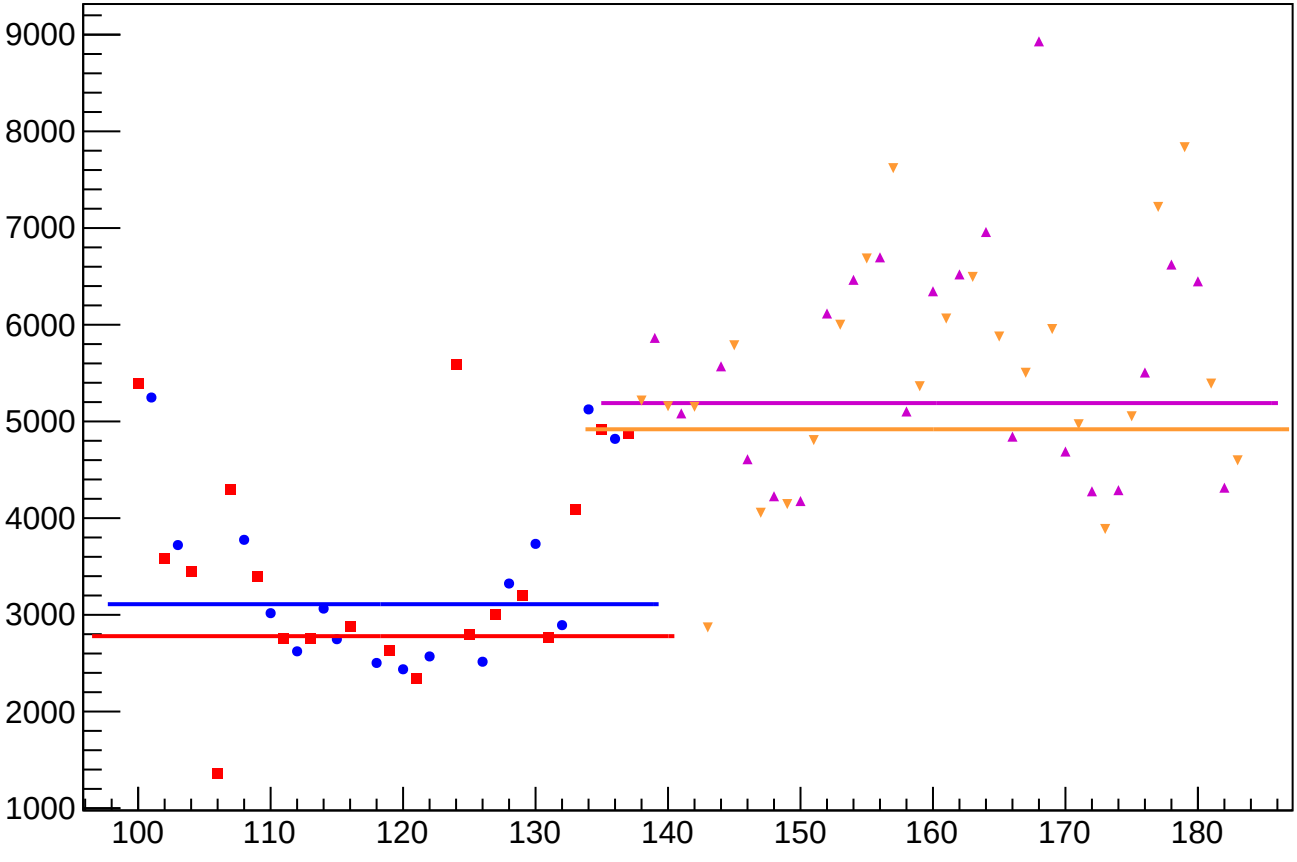
Left In: 61.364+/-1249.500 χ^2/NDF:12.2/21

\+ sign -818.512+/-835.510 χ^2/NDF: 48.4/39

All: -593.128+/-582.486 χ^2/NDF: 79.8/80

\- sign -379.990+/-812.492 χ^2/NDF: 31.3/40

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4919.037+/-0.824 χ^2/NDF:2164887.4/23

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

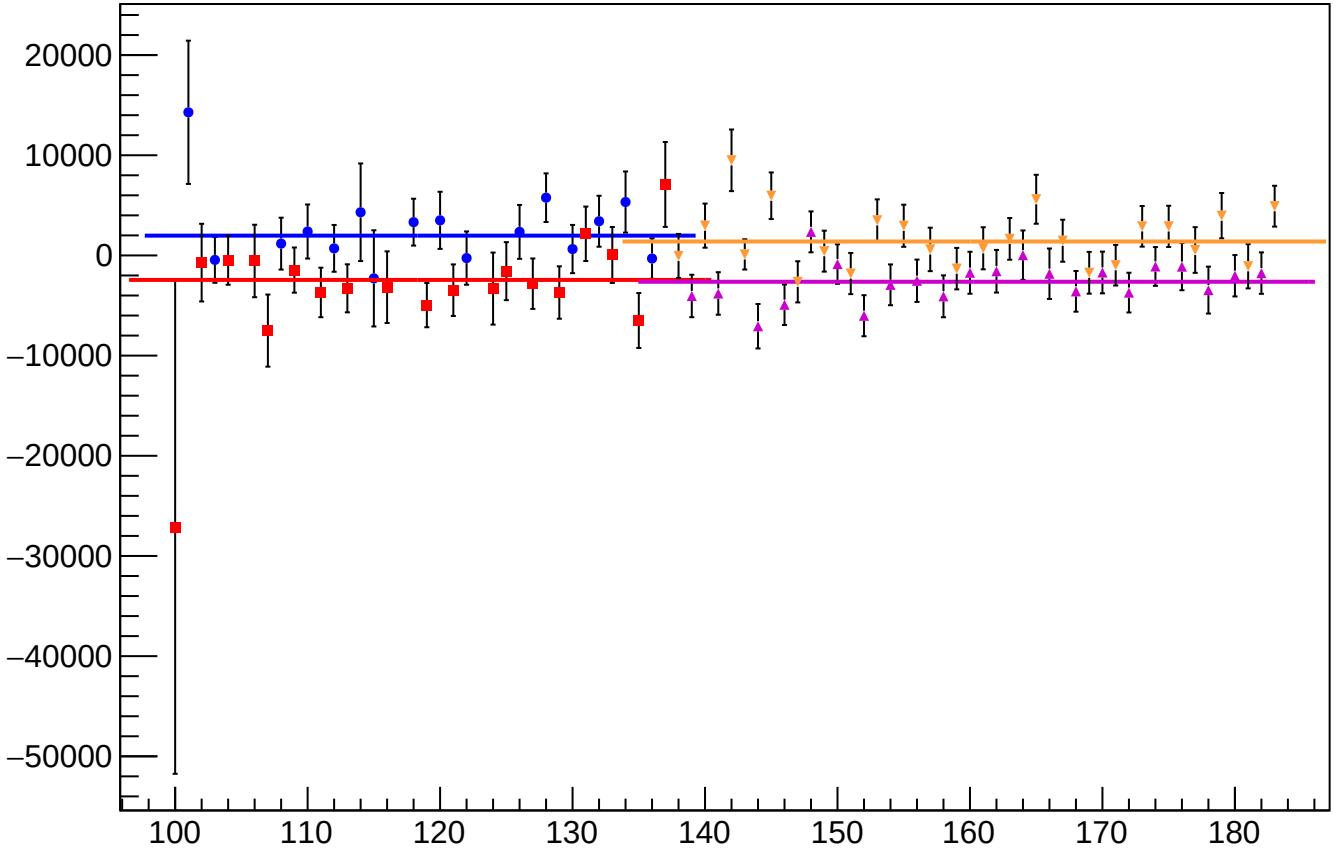
Left In: 5189.807+/-0.884 χ^2/NDF:1327658.8/21

+ sign 4039.937+/-0.591 χ^2/NDF: 5389988.6/39

All: 3915.963+/-0.412 χ^2/NDF: 12446421.7/8

- sign 3798.726+/-0.575 χ^2/NDF: 6970758.2/40

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1390.659+/-430.541 χ^2/NDF:35.9/23

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

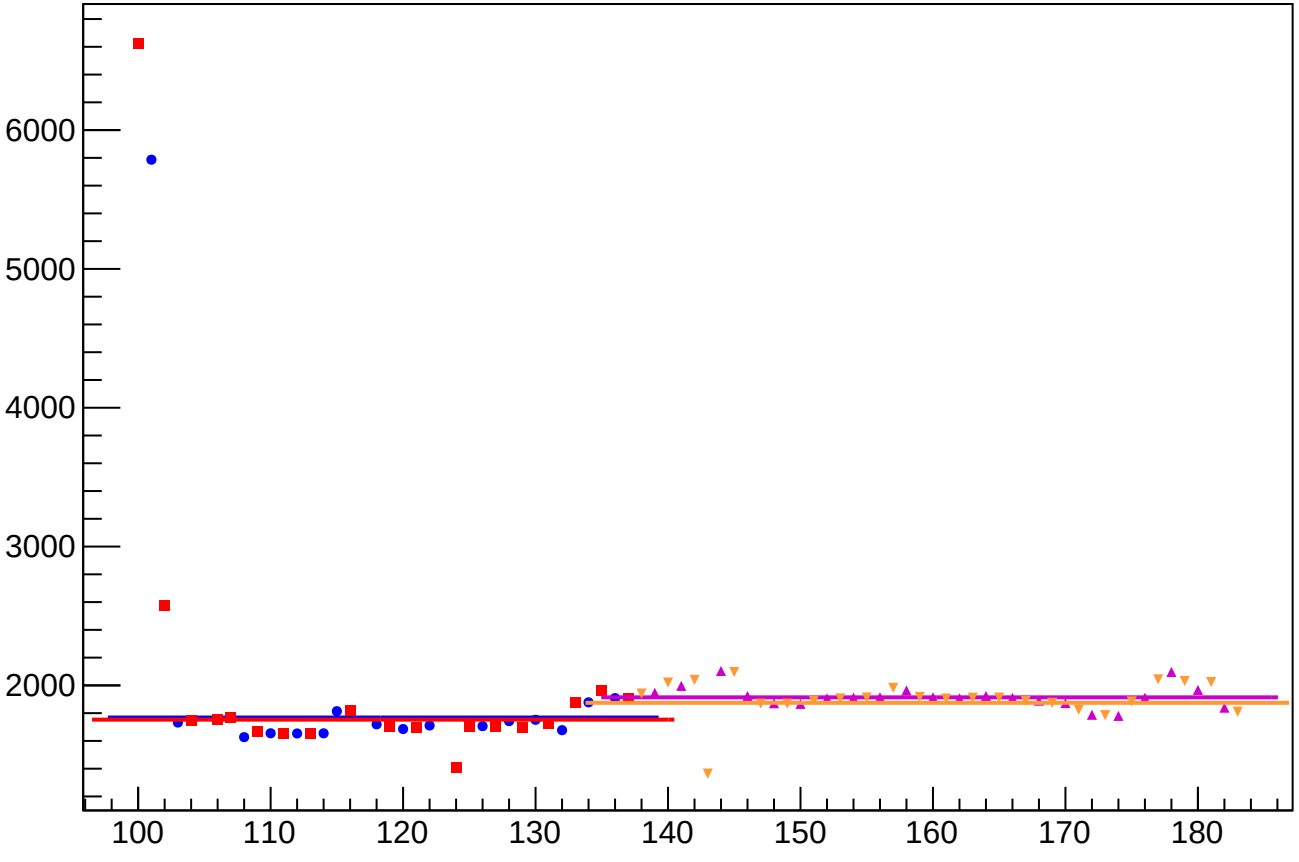
Left In: -2628.005+/-450.956 χ^2/NDF:19.9/21

+ sign 1560.201+/-362.846 χ^2/NDF: 48.8/39

All: -453.505+/-259.721 χ^2/NDF: 149.4/80

- sign -2569.224+/-371.923 χ^2/NDF: 37.4/40

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1874.490+/-0.304 χ^2/NDF:308486.4/23

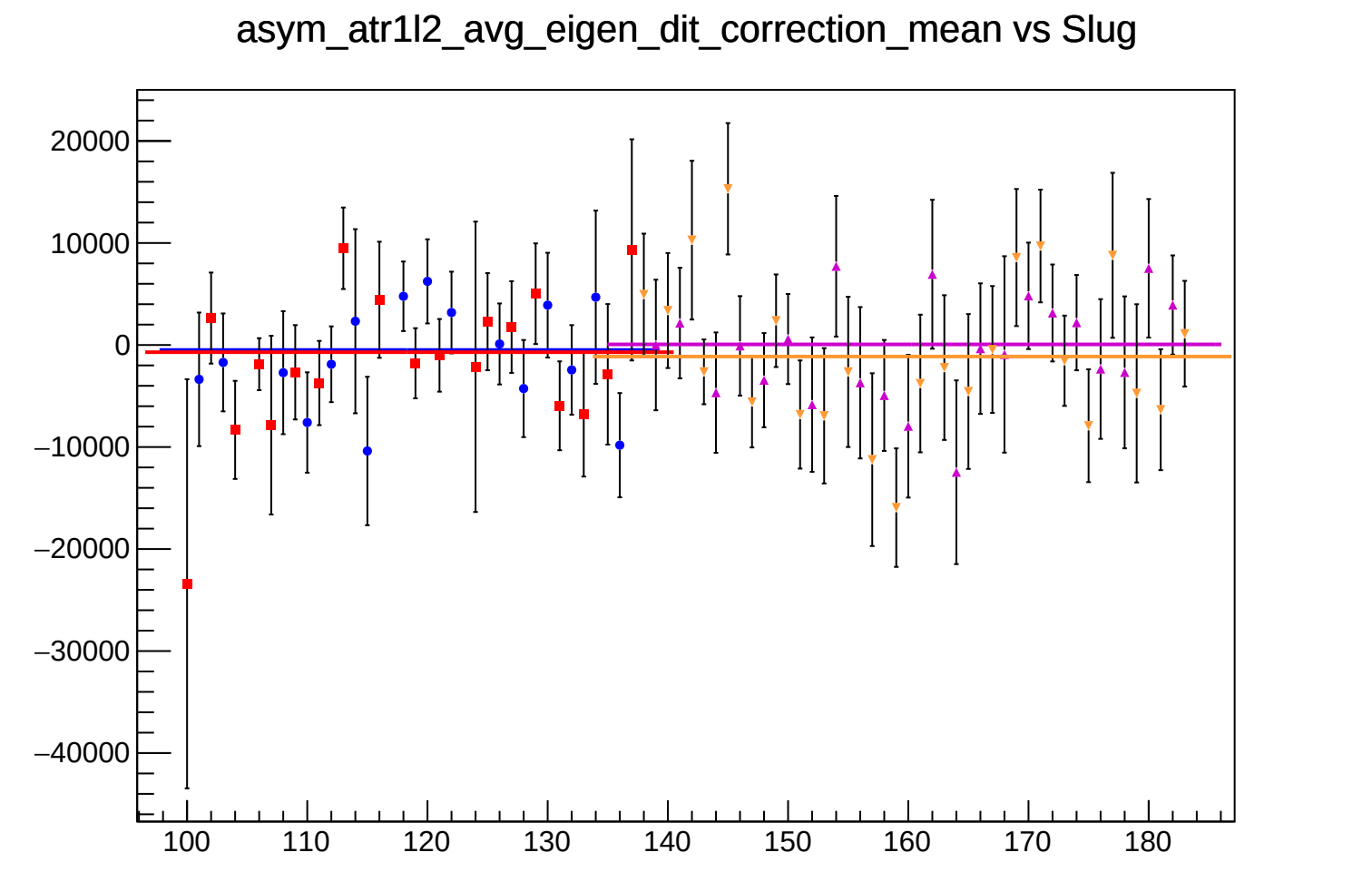
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1913.783+/-0.319 χ^2/NDF:56202.6/21

+ sign 1843.775+/-0.257 χ^2/NDF: 1010986.6/39

All: 1852.817+/-0.184 χ^2/NDF: 1369809.4/80

- sign 1862.301+/-0.263 χ^2/NDF: 356278.0/40



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1130.908+/-1165.371 χ^2/NDF:32.5/23

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

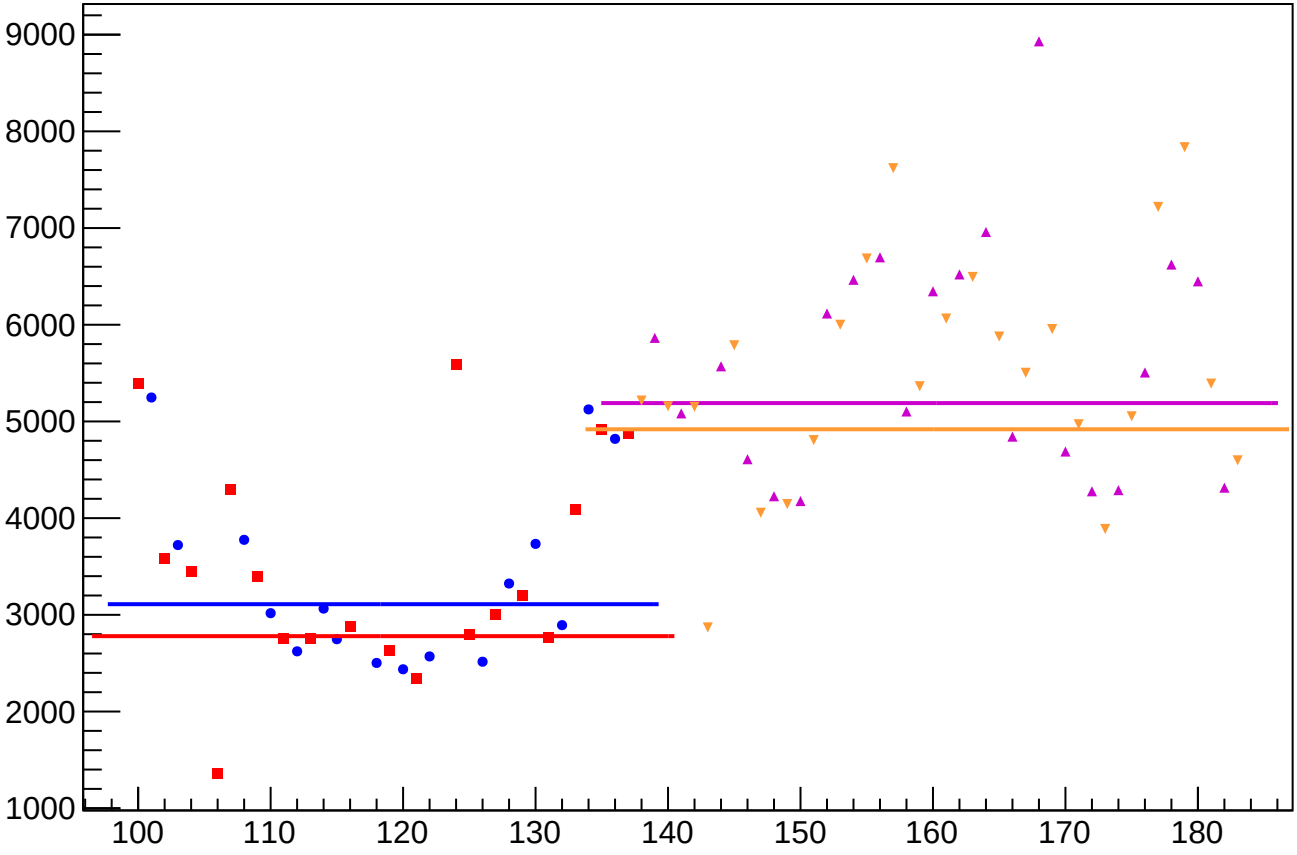
Left In: 61.365+/-1249.502 χ^2/NDF:12.2/21

+ sign -818.510+/-835.509 χ^2/NDF: 48.4/39

All: -593.128+/-582.485 χ^2/NDF: 79.8/80

- sign -379.993+/-812.491 χ^2/NDF: 31.3/40

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4919.043+/-0.824 χ^2/NDF:2164894.5/23

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

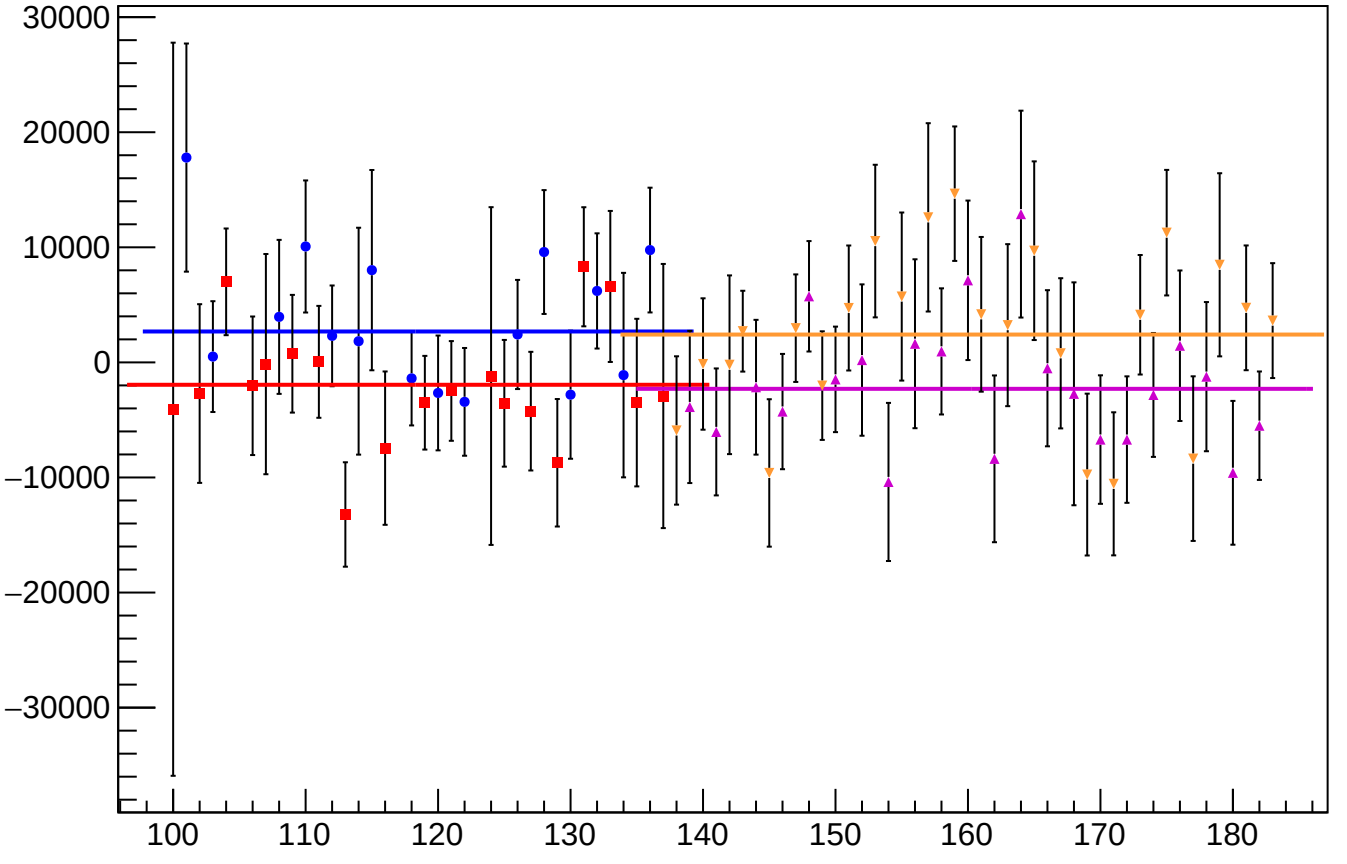
Left In: 5189.814+/-0.884 χ^2/NDF:1327660.9/21

+ sign 4039.930+/-0.591 χ^2/NDF: 5390055.7/39

All: 3915.954+/-0.412 χ^2/NDF: 12446592.9/8

- sign 3798.715+/-0.575 χ^2/NDF: 6970859.1/40

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2418.459+/-1198.796 χ^2/NDF:28.5/23

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

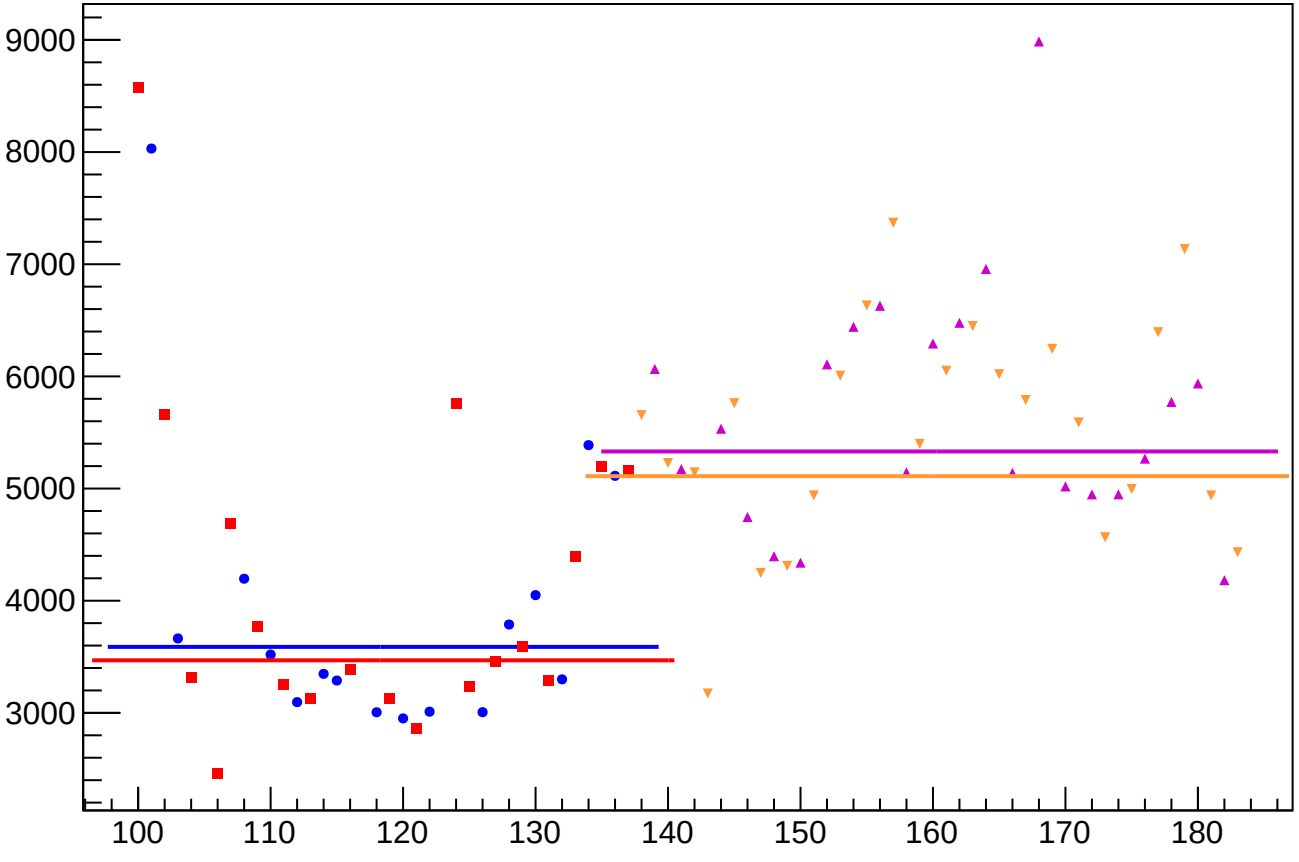
Left In: -2297.364+/-1276.079 χ^2/NDF:14.6/21

+ sign 2533.280+/-904.983 χ^2/NDF: 41.9/39

All: 244.927+/-645.778 χ^2/NDF: 88.3/80

- sign -2129.191+/-921.786 χ^2/NDF: 33.4/40

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5110.289+/-0.848 χ^2/NDF:1533004.2/23

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

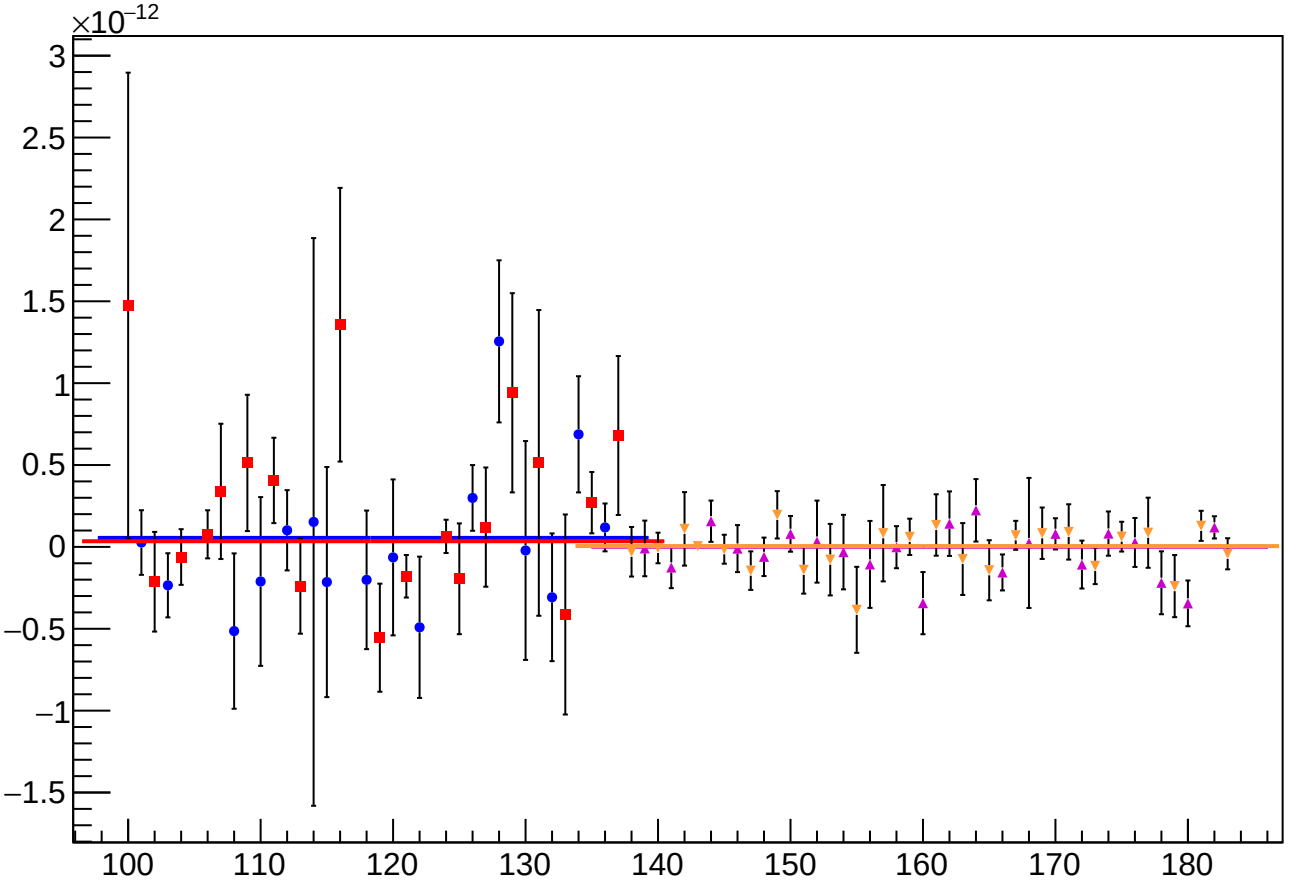
Left In: 5330.726+/-0.902 χ^2/NDF:984115.4/21

+ sign 4455.718+/-0.640 χ^2/NDF: 3764562.7/39

All: 4441.043+/-0.455 χ^2/NDF: 7485353.2/80

- sign 4426.041+/-0.647 χ^2/NDF: 3719727.0/40

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/23

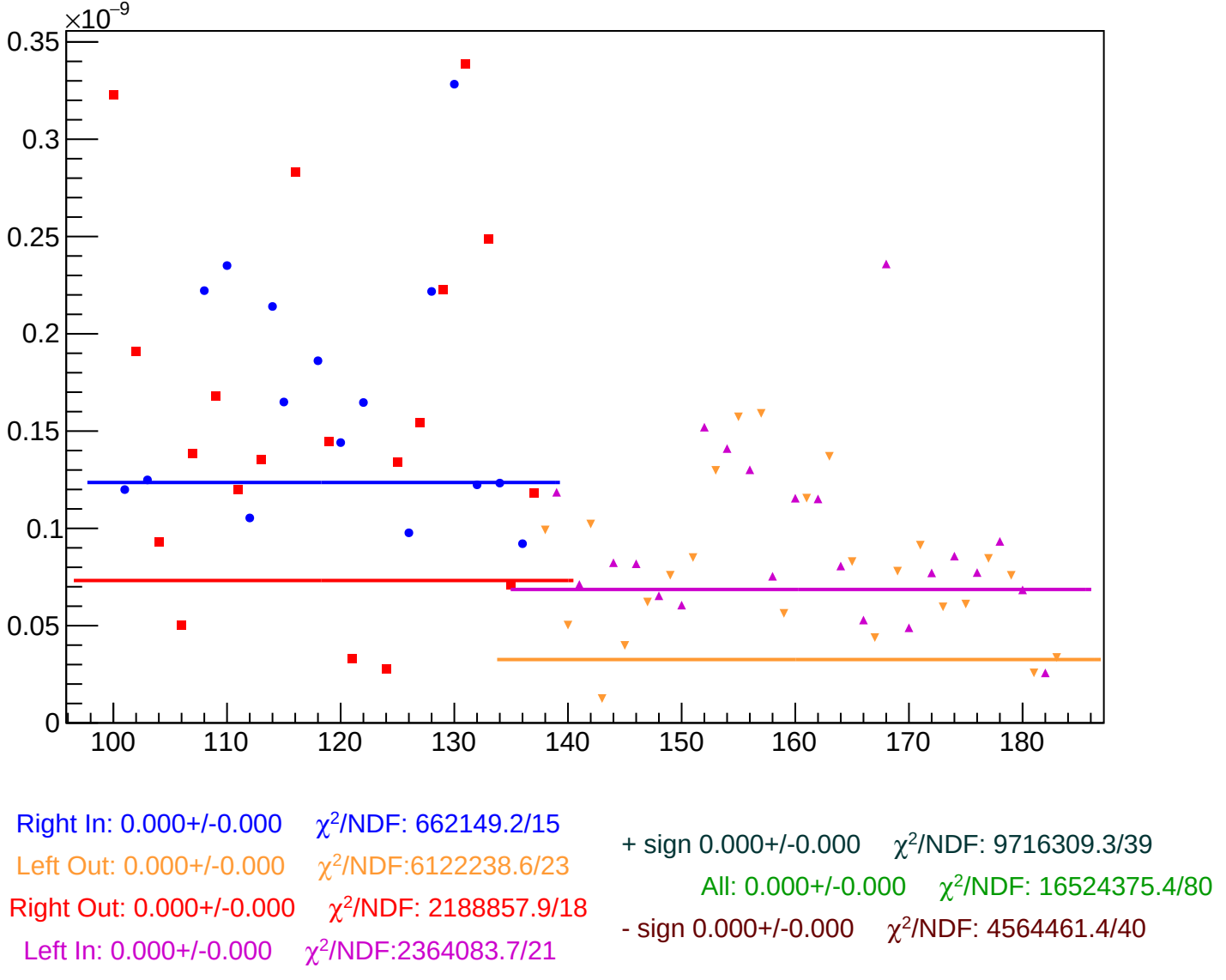
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:22.8/21

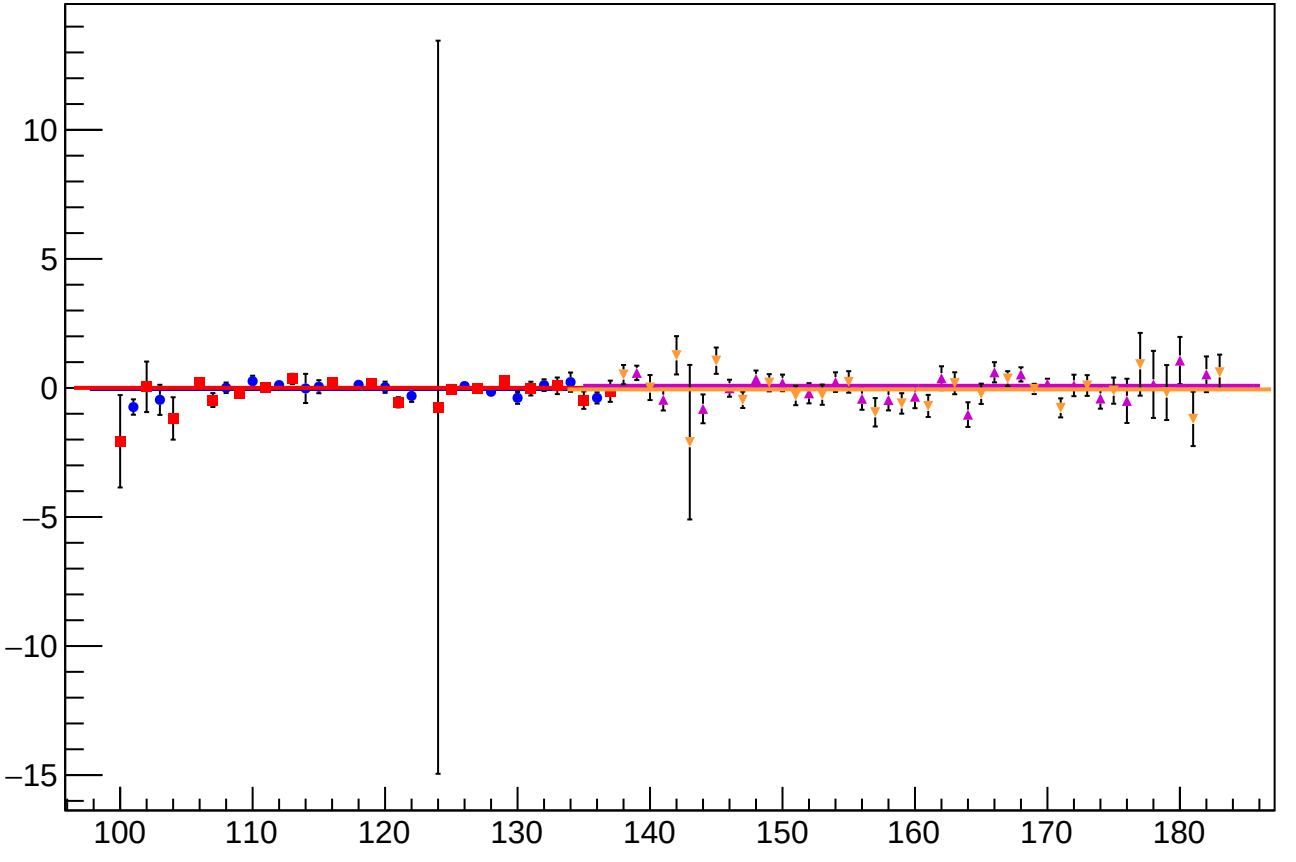
+ sign 0.000+/-0.000 χ^2/NDF: 33.3/39

All: 0.000+/-0.000 χ^2/NDF: 78.7/80

- sign 0.000+/-0.000 χ^2/NDF: 45.4/40


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:6122238.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:2364083.7/21
+ sign 0.000+/-0.000 χ²/NDF: 9716309.3/39
All: 0.000+/-0.000 χ²/NDF: 16524375.4/80
- sign 0.000+/-0.000 χ²/NDF: 4564461.4/40

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.056+/-0.084 χ^2/NDF:30.2/23

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

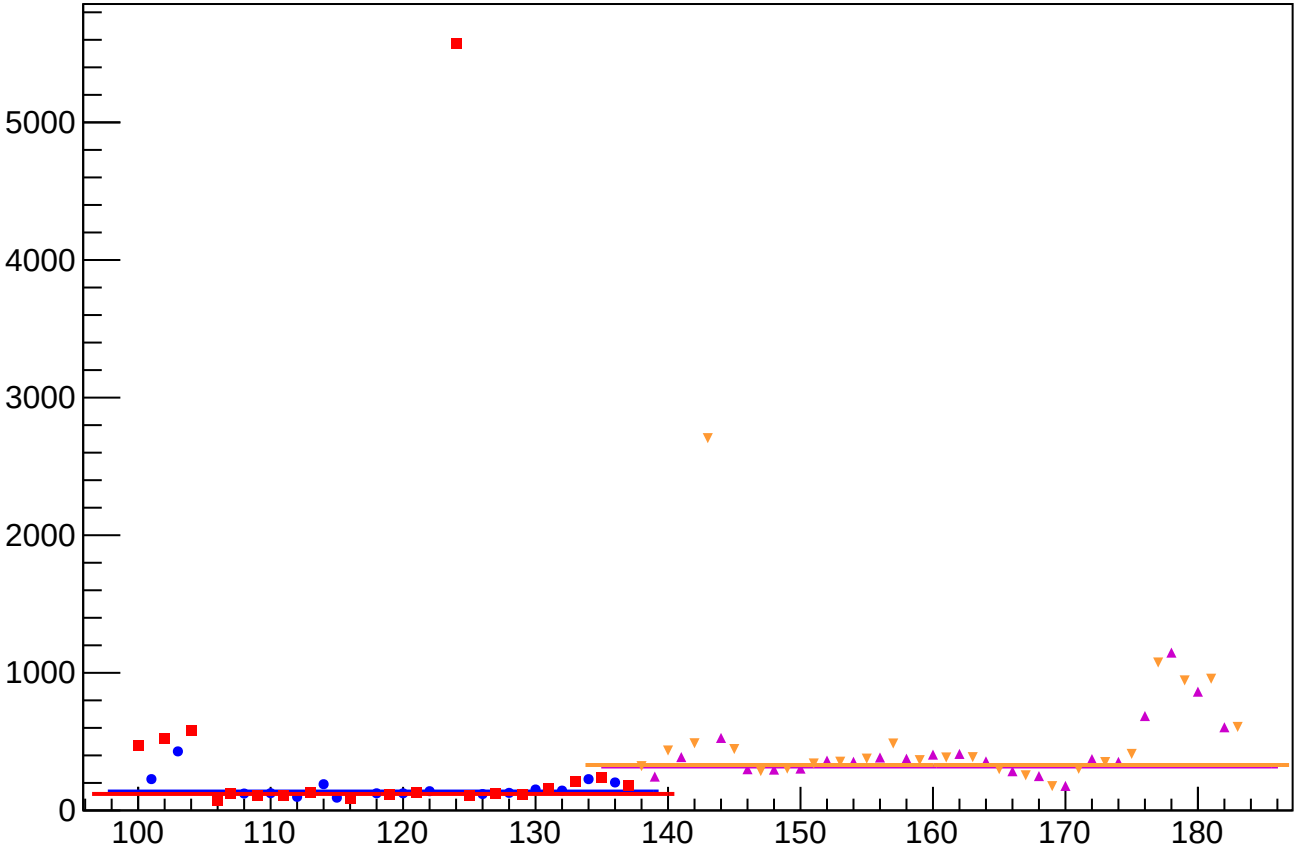
Left In: 0.082+/-0.081 χ^2/NDF:27.0/21

\+ sign -0.045+/-0.046 χ^2/NDF: 48.1/39

All: -0.007+/-0.032 χ^2/NDF: 105.7/80

\- sign 0.025+/-0.043 χ^2/NDF: 56.4/40

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 330.303+/-0.059 χ^2/NDF:5739924.3/23

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

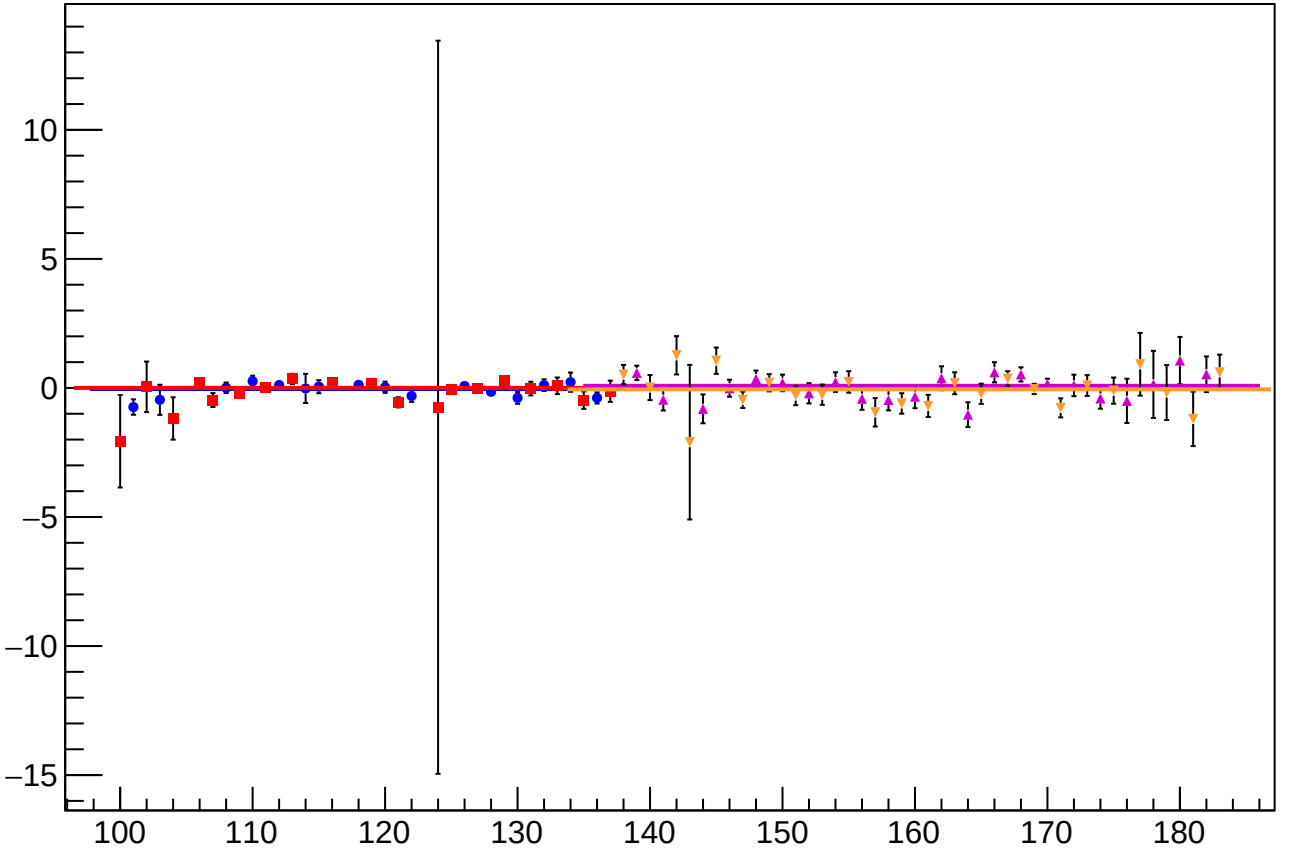
Left In: 319.360+/-0.058 χ^2/NDF:4175037.0/21

+ sign 196.576+/-0.033 χ^2/NDF: 14335213.8/39

All: 185.542+/-0.022 χ^2/NDF: 29471018.5/80

- sign 176.017+/-0.031 χ^2/NDF: 14925778.8/40

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.056+/-0.084 χ^2/NDF:30.2/23

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

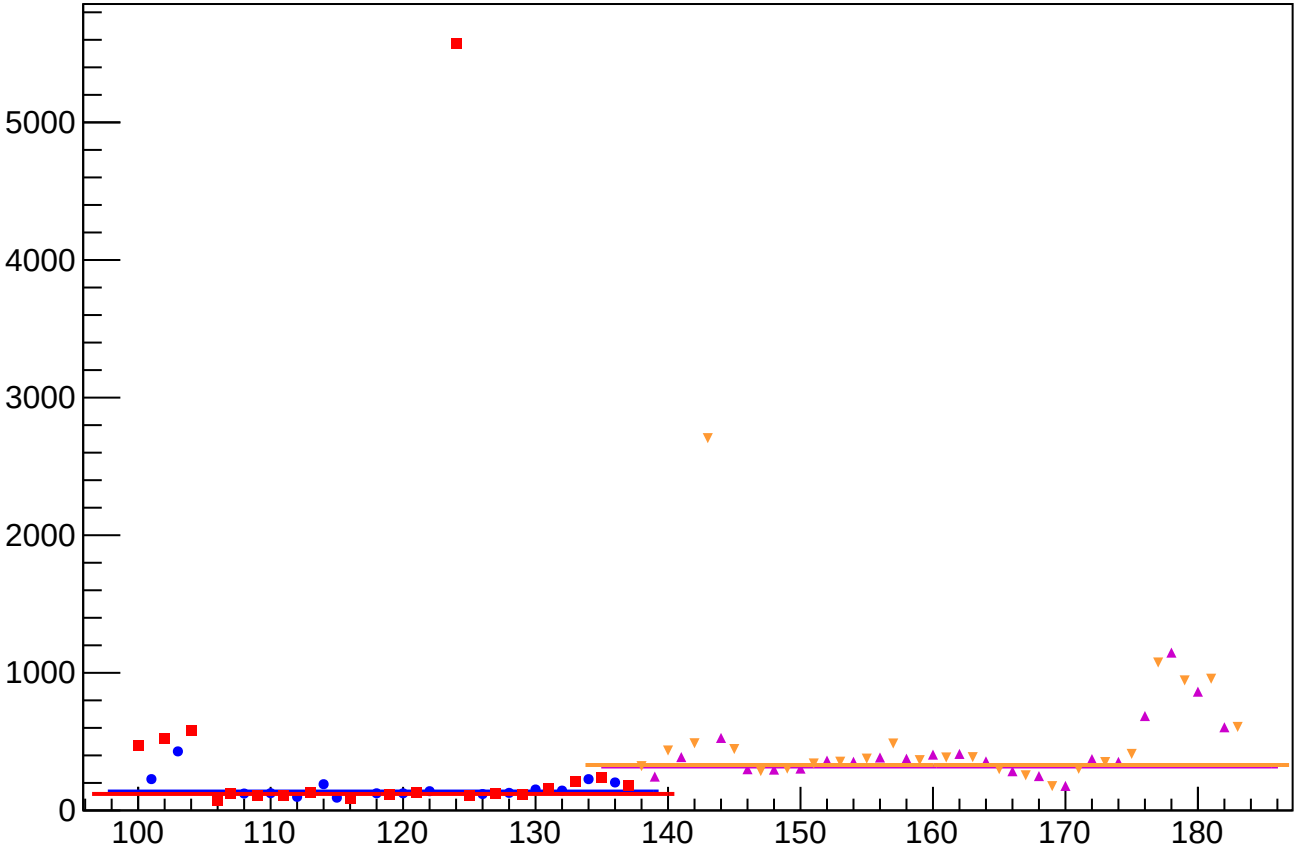
Left In: 0.082+/-0.081 χ^2/NDF:27.0/21

\+ sign -0.045+/-0.046 χ^2/NDF: 48.1/39

All: -0.007+/-0.032 χ^2/NDF: 105.7/80

\- sign 0.025+/-0.043 χ^2/NDF: 56.4/40

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 330.303+/-0.059 χ^2/NDF:5739924.3/23

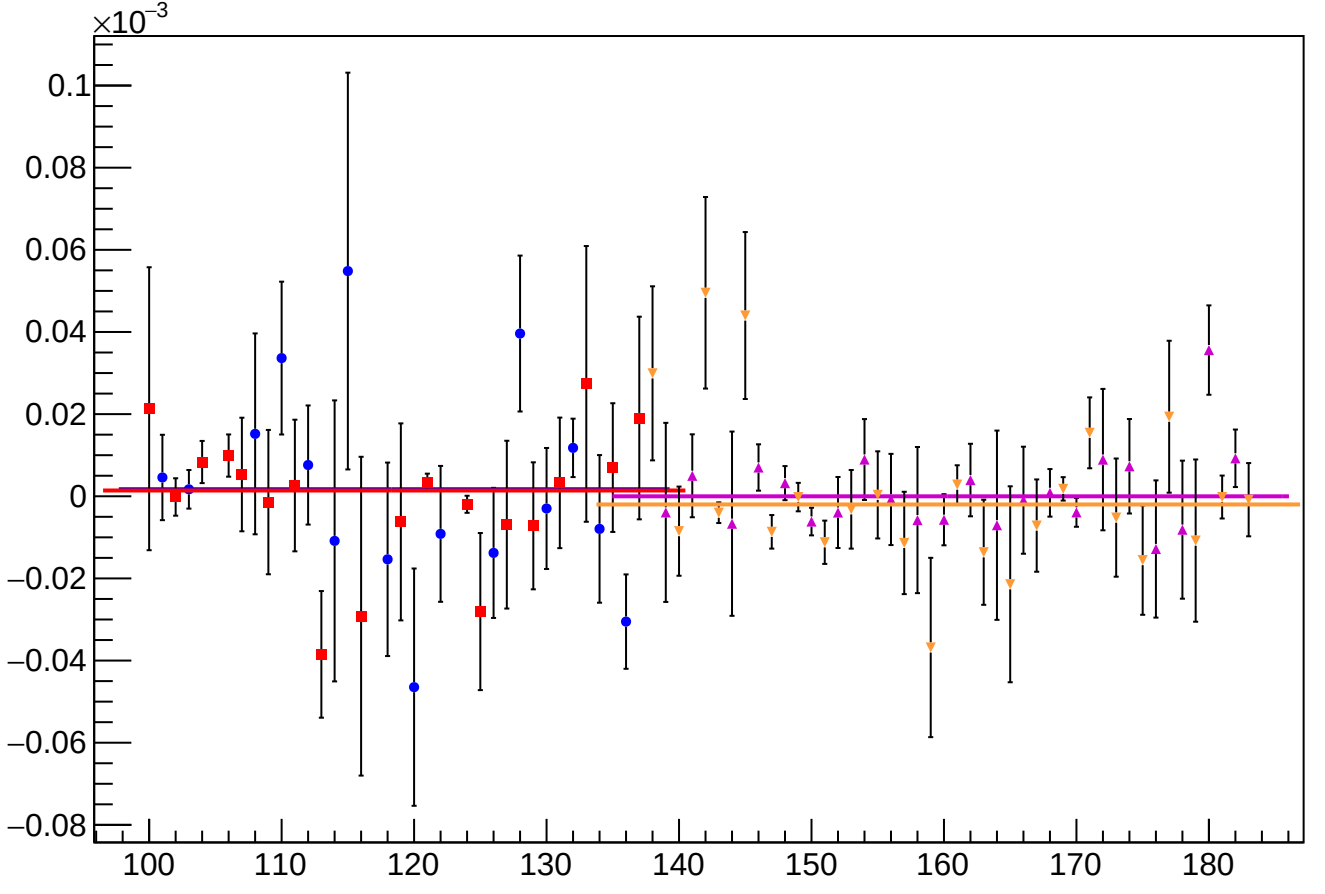
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 319.360+/-0.058 χ^2/NDF:4175037.0/21

+ sign 196.576+/-0.033 χ^2/NDF: 14335213.8/39

All: 185.542+/-0.022 χ^2/NDF: 29471018.5/80

- sign 176.017+/-0.031 χ^2/NDF: 14925778.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/23

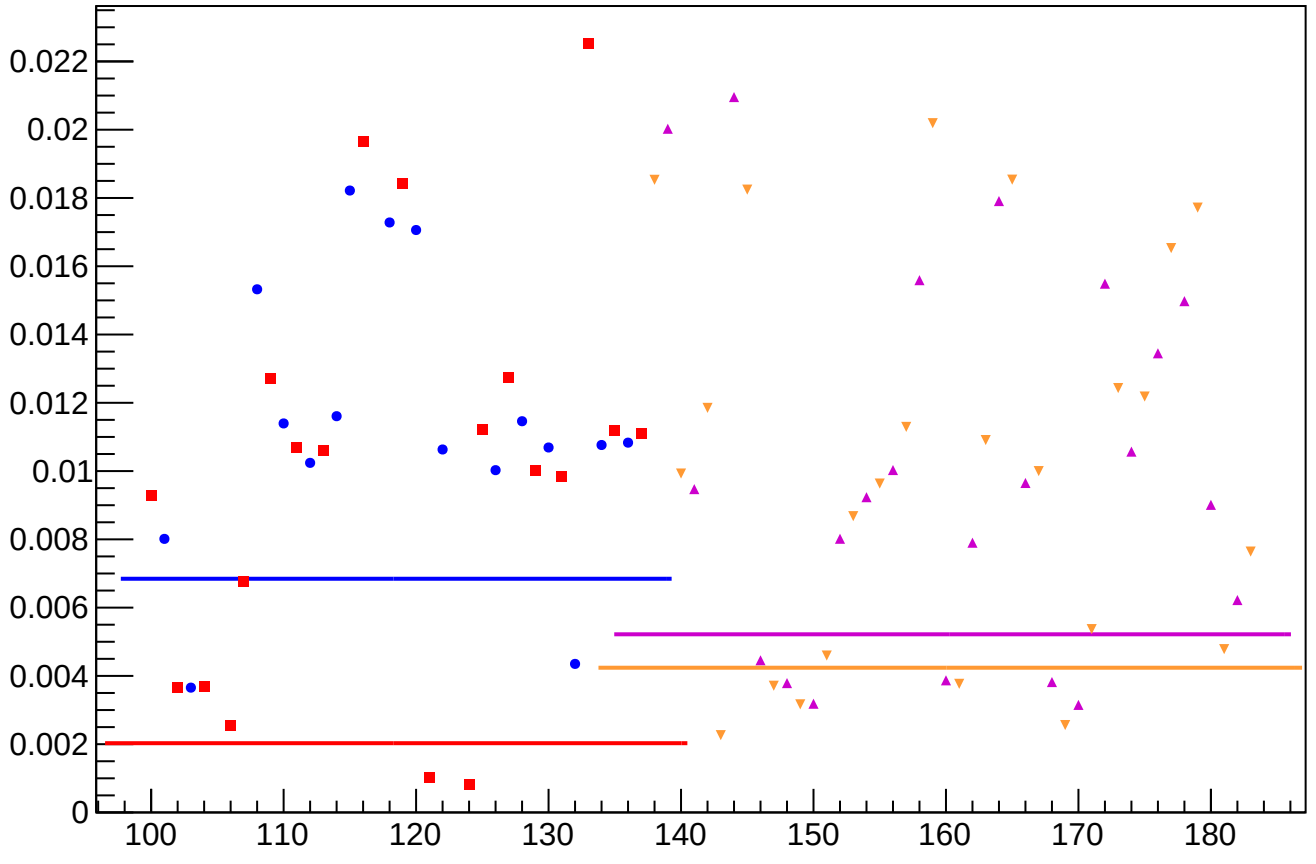
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:23.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/39

All: -0.000+/-0.000 χ^2/NDF: 105.3/80

- sign 0.000+/-0.000 χ^2/NDF: 44.1/40



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:12768967.3/23

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

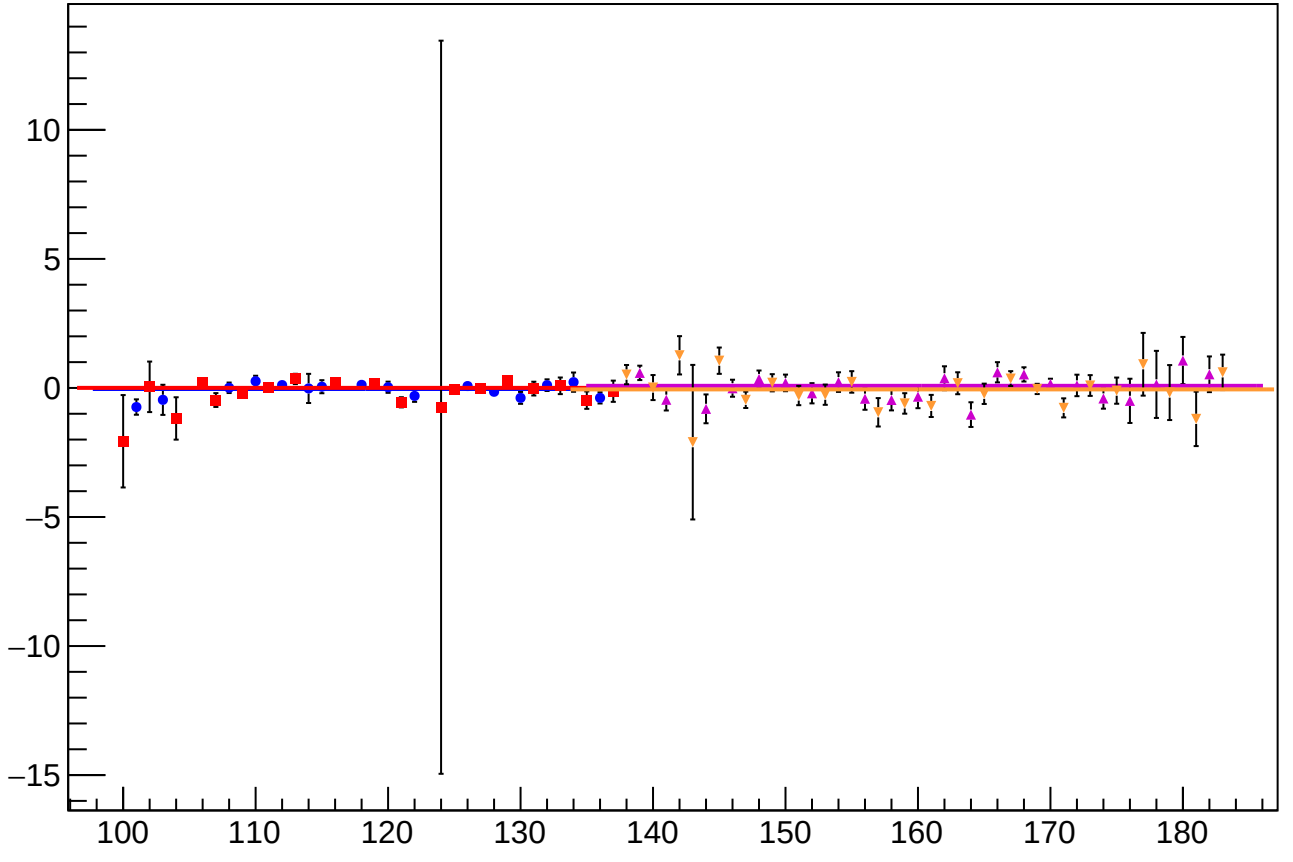
Left In: 0.005+/-0.000 χ^2/NDF:9382111.9/21

\+ sign 0.005+/-0.000 χ^2/NDF: 17310304.1/39

All: 0.004+/-0.000 χ^2/NDF: 42439383.7/80

\- sign 0.003+/-0.000 χ^2/NDF: 23610263.0/40

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.056+/-0.084 χ^2/NDF:30.2/23

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

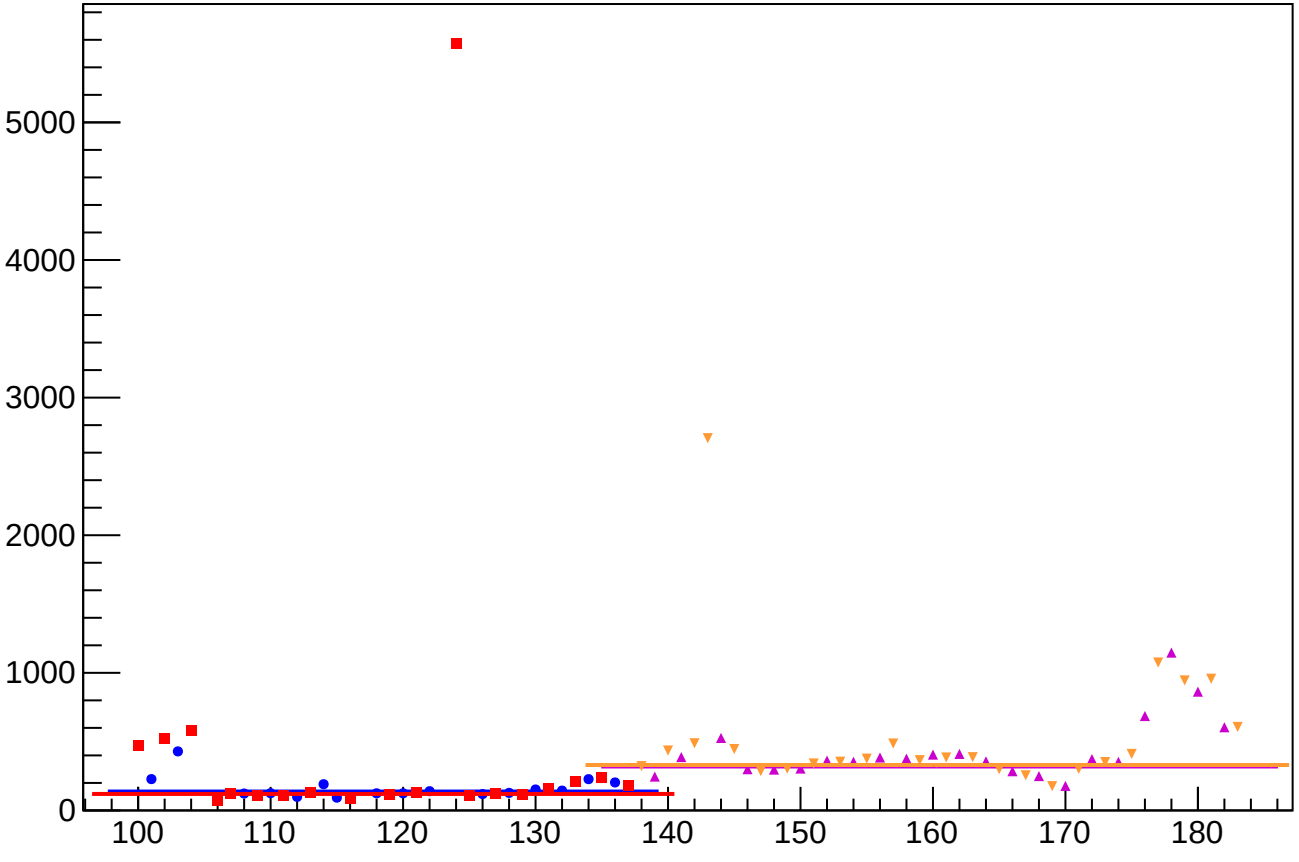
Left In: 0.082+/-0.081 χ^2/NDF:27.0/21

\+ sign -0.045+/-0.046 χ^2/NDF: 48.1/39

All: -0.007+/-0.032 χ^2/NDF: 105.7/80

\- sign 0.025+/-0.043 χ^2/NDF: 56.4/40

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 330.305+/-0.059 χ^2/NDF:5739979.3/23

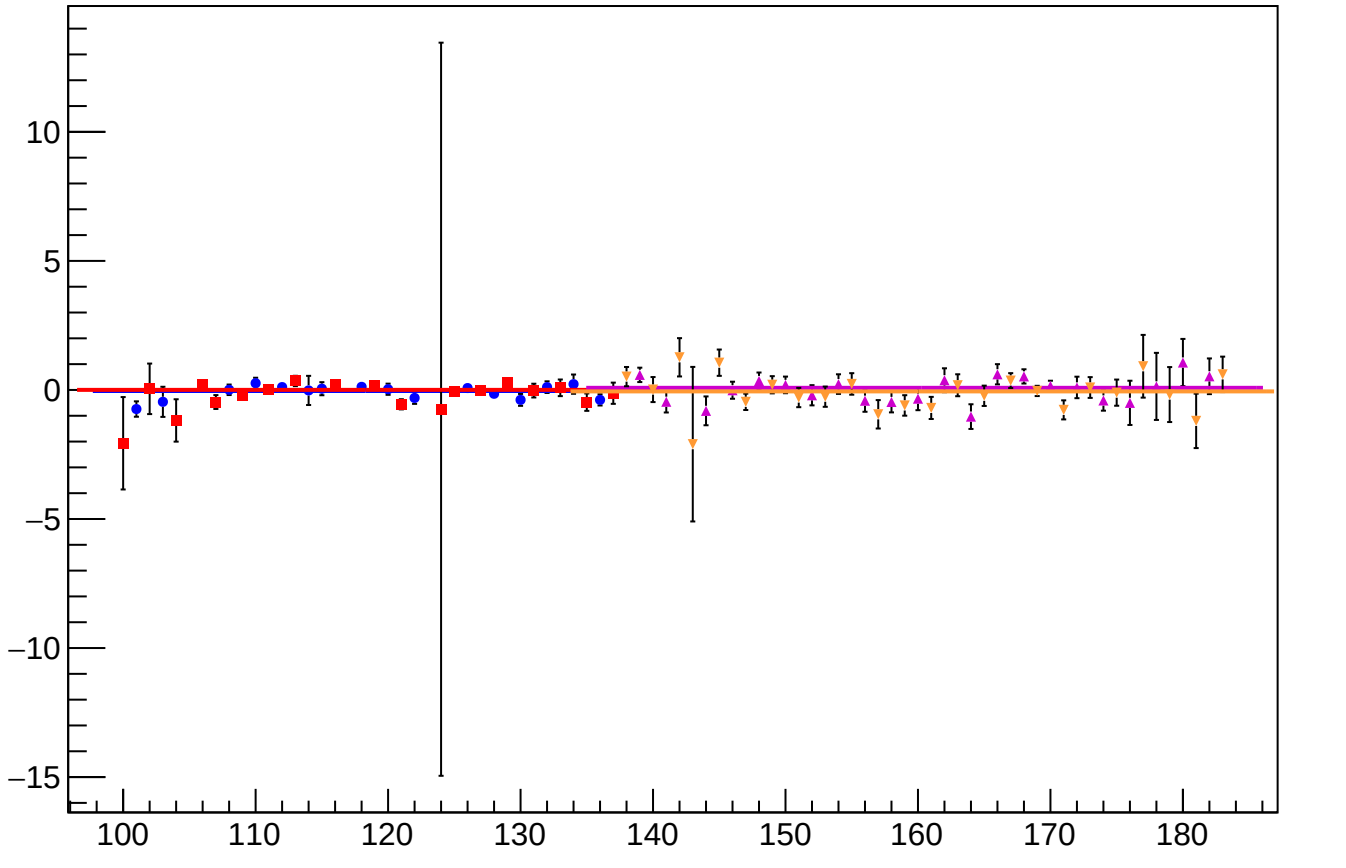
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 319.363+/-0.058 χ^2/NDF:4175034.5/21

+ sign 196.577+/-0.033 χ^2/NDF: 14335196.1/39

All: 185.543+/-0.022 χ^2/NDF: 29471085.6/80

- sign 176.017+/-0.031 χ^2/NDF: 14925841.2/40



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.056+/-0.084 χ^2/NDF:30.2/23

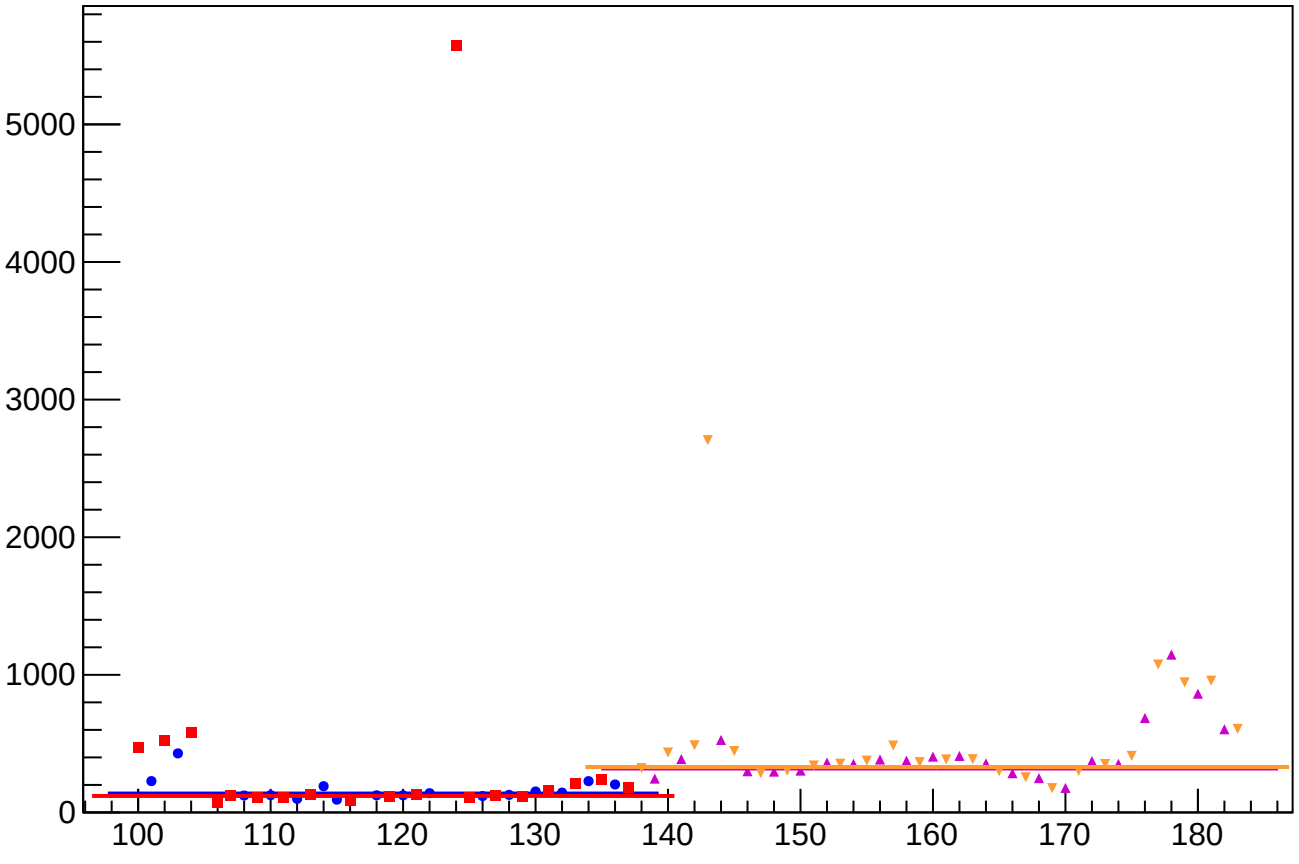
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.082+/-0.081 χ^2/NDF:27.0/21

\+ sign -0.045+/-0.046 χ^2/NDF: 48.1/39

All: -0.007+/-0.032 χ^2/NDF: 105.7/80

\- sign 0.025+/-0.043 χ^2/NDF: 56.4/40



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 330.305+/-0.059 χ^2/NDF:5739979.3/23

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

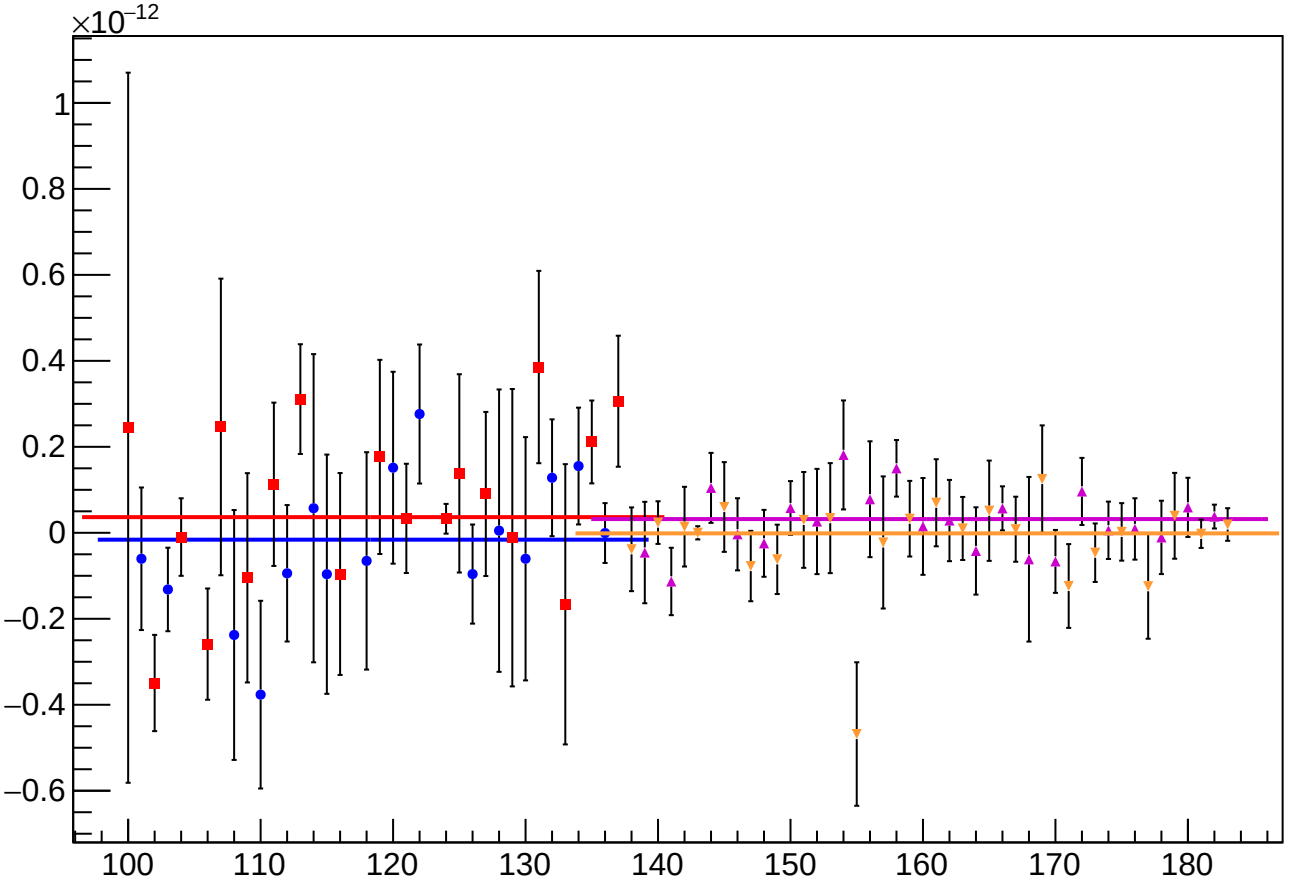
Left In: 319.363+/-0.058 χ^2/NDF:4175034.5/21

\+ sign 196.577+/-0.033 χ^2/NDF: 14335196.1/39

All: 185.543+/-0.022 χ^2/NDF: 29471085.6/80

\- sign 176.017+/-0.031 χ^2/NDF: 14925841.2/40

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/23

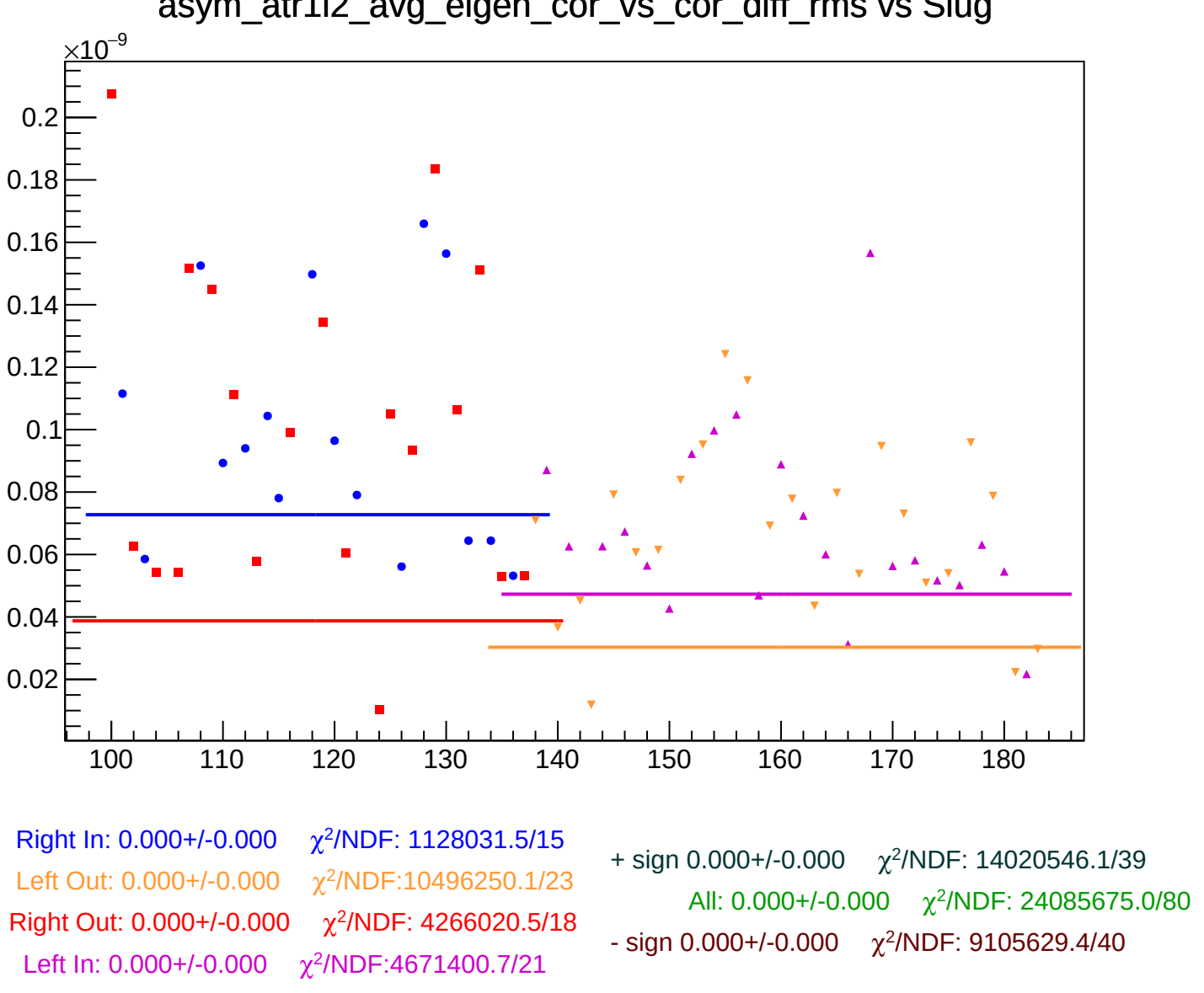
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.5/21

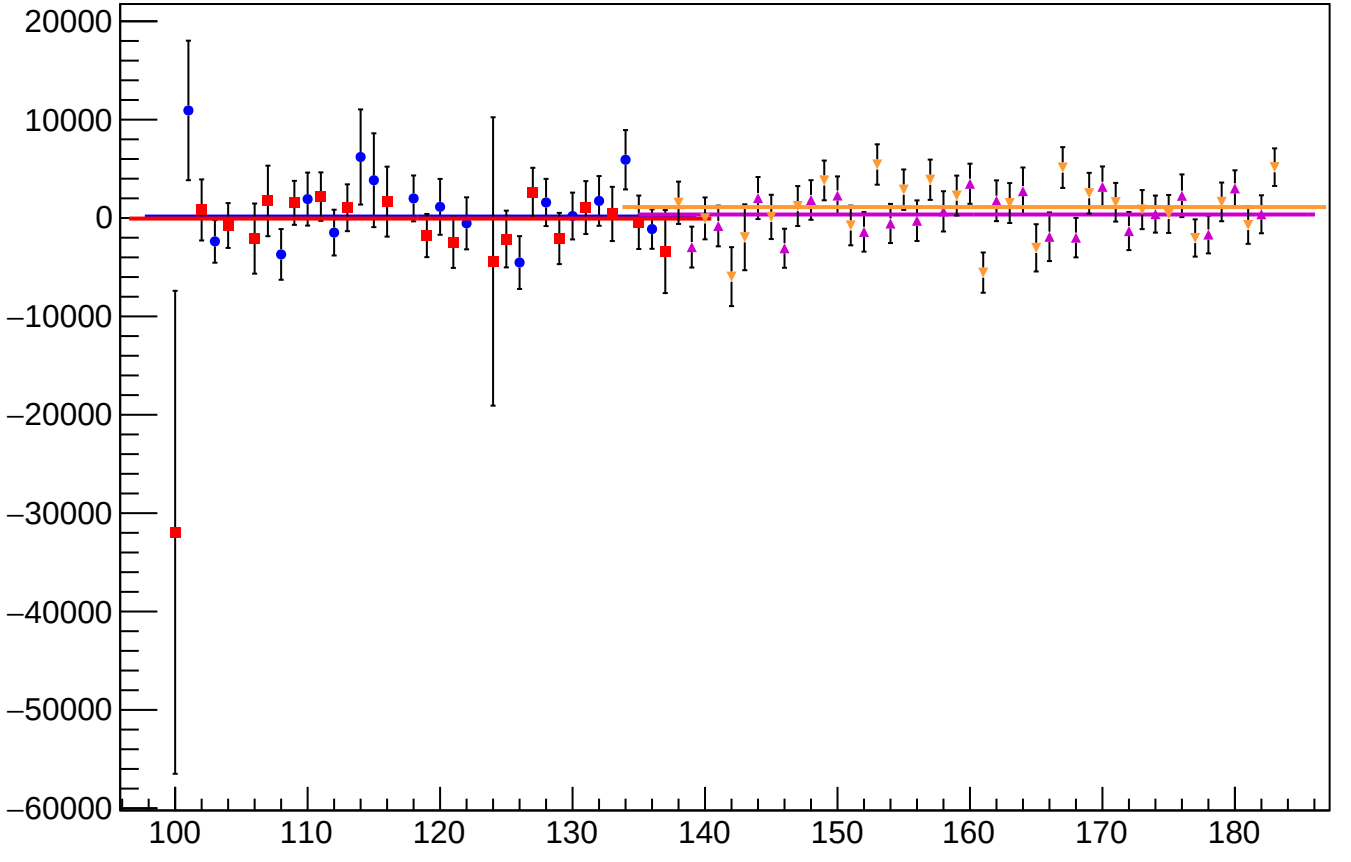
+ sign -0.000+/-0.000 χ^2/NDF: 28.1/39

All: 0.000+/-0.000 χ^2/NDF: 80.3/80

- sign 0.000+/-0.000 χ^2/NDF: 47.7/40


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:10496250.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:4671400.7/21
+ sign 0.000+/-0.000 χ²/NDF: 14020546.1/39
All: 0.000+/-0.000 χ²/NDF: 24085675.0/80
- sign 0.000+/-0.000 χ²/NDF: 9105629.4/40

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1114.178+/-426.060 χ^2/NDF:43.3/23

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

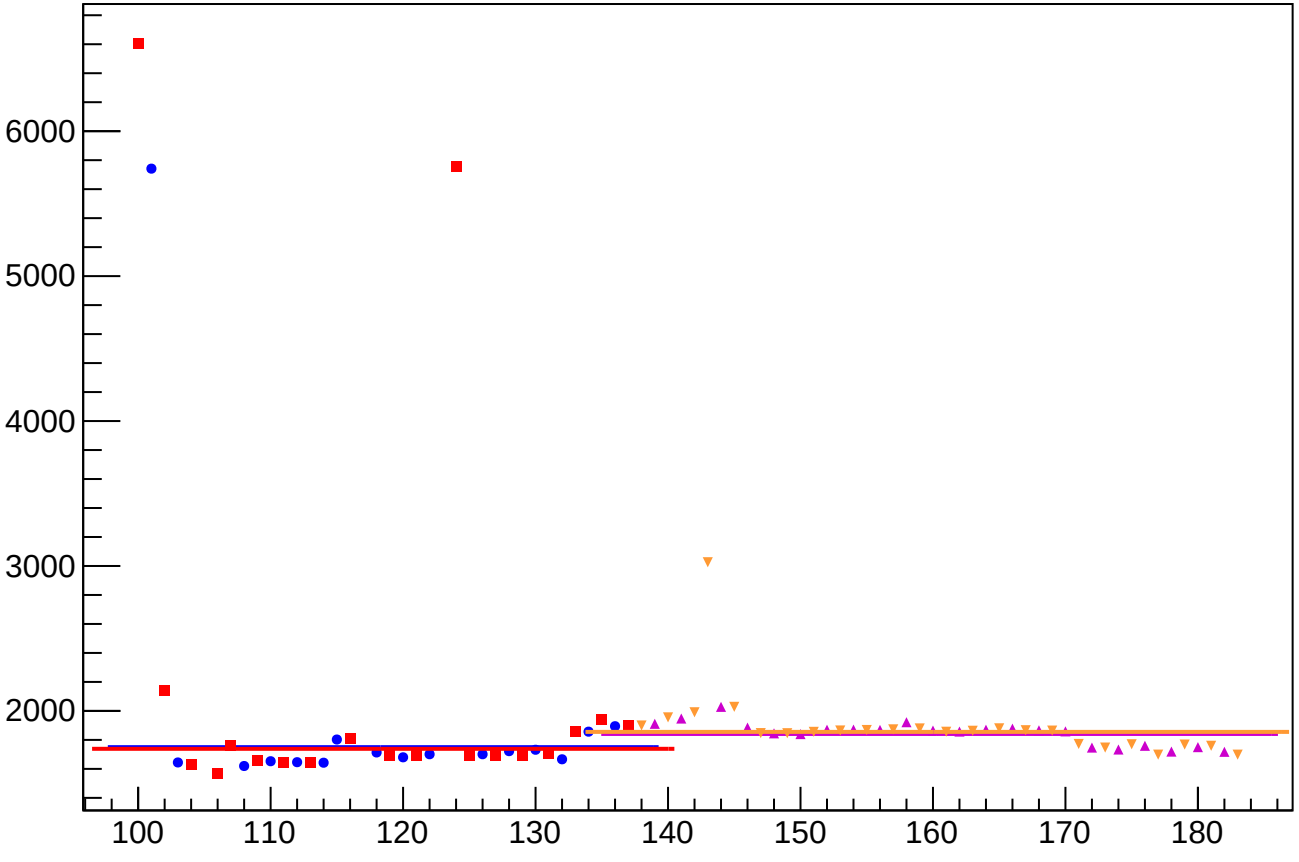
Left In: 358.268+/-433.804 χ^2/NDF:21.7/21

+ sign 834.998+/-359.063 χ^2/NDF: 62.4/39

All: 536.023+/-254.830 χ^2/NDF: 94.7/80

- sign 232.607+/-361.720 χ^2/NDF: 30.9/40

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1855.254+/-0.301 χ^2/NDF:316024.7/23

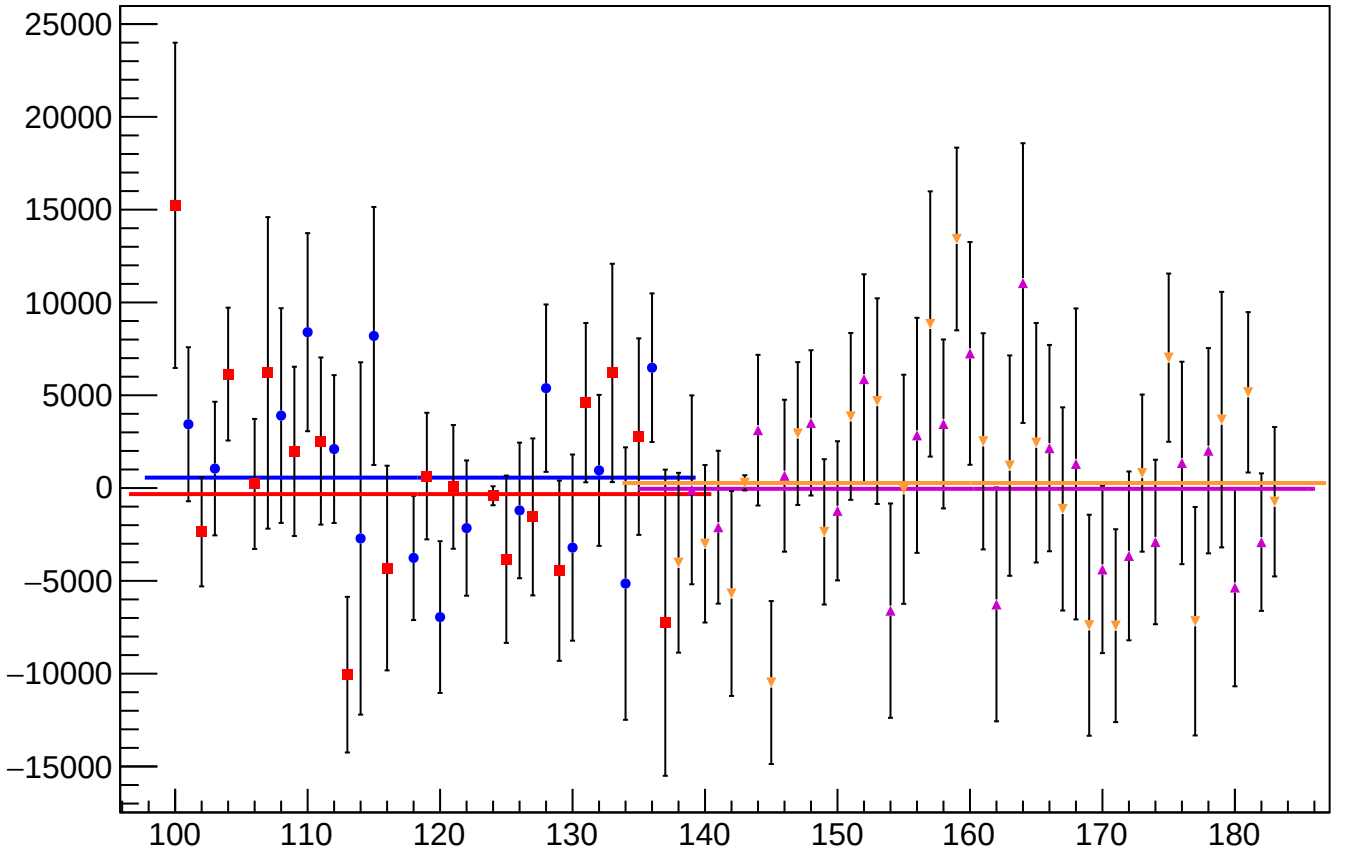
Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1841.031+/-0.307 χ^2/NDF:64945.2/21

+ sign 1824.715+/-0.254 χ^2/NDF: 1021060.5/39

All: 1817.129+/-0.180 χ^2/NDF: 1426693.3/80

- sign 1809.464+/-0.255 χ^2/NDF: 403837.9/40



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 271.788+/-380.477 χ^2/NDF:28.8/23

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

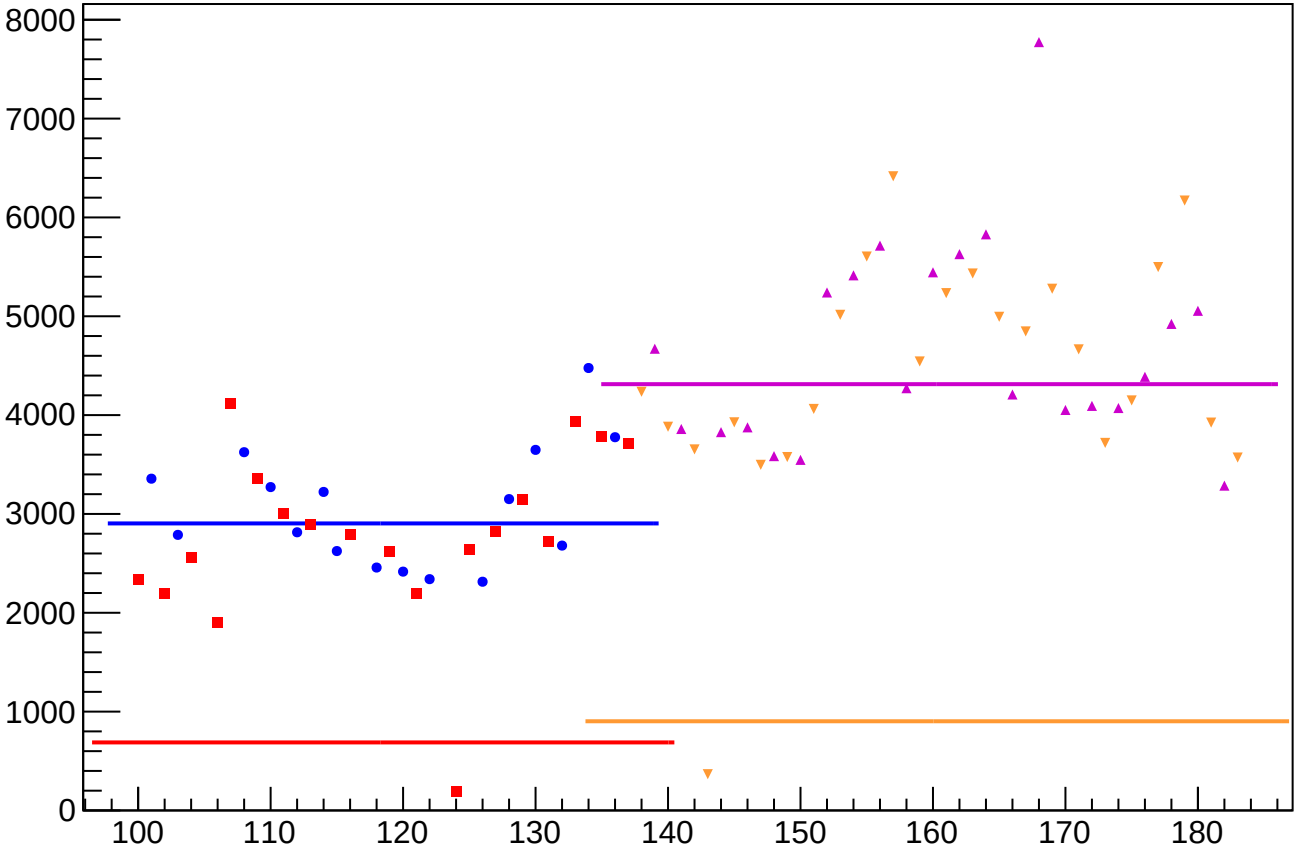
Left In: -40.552+/-1037.505 χ^2/NDF:13.6/21

+ sign 302.776+/-359.615 χ^2/NDF: 43.7/39

All: 55.931+/-272.875 χ^2/NDF: 77.7/80

- sign -279.092+/-418.951 χ^2/NDF: 32.9/40

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 902.333+/-0.269 χ^2/NDF:26485530.6/23

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

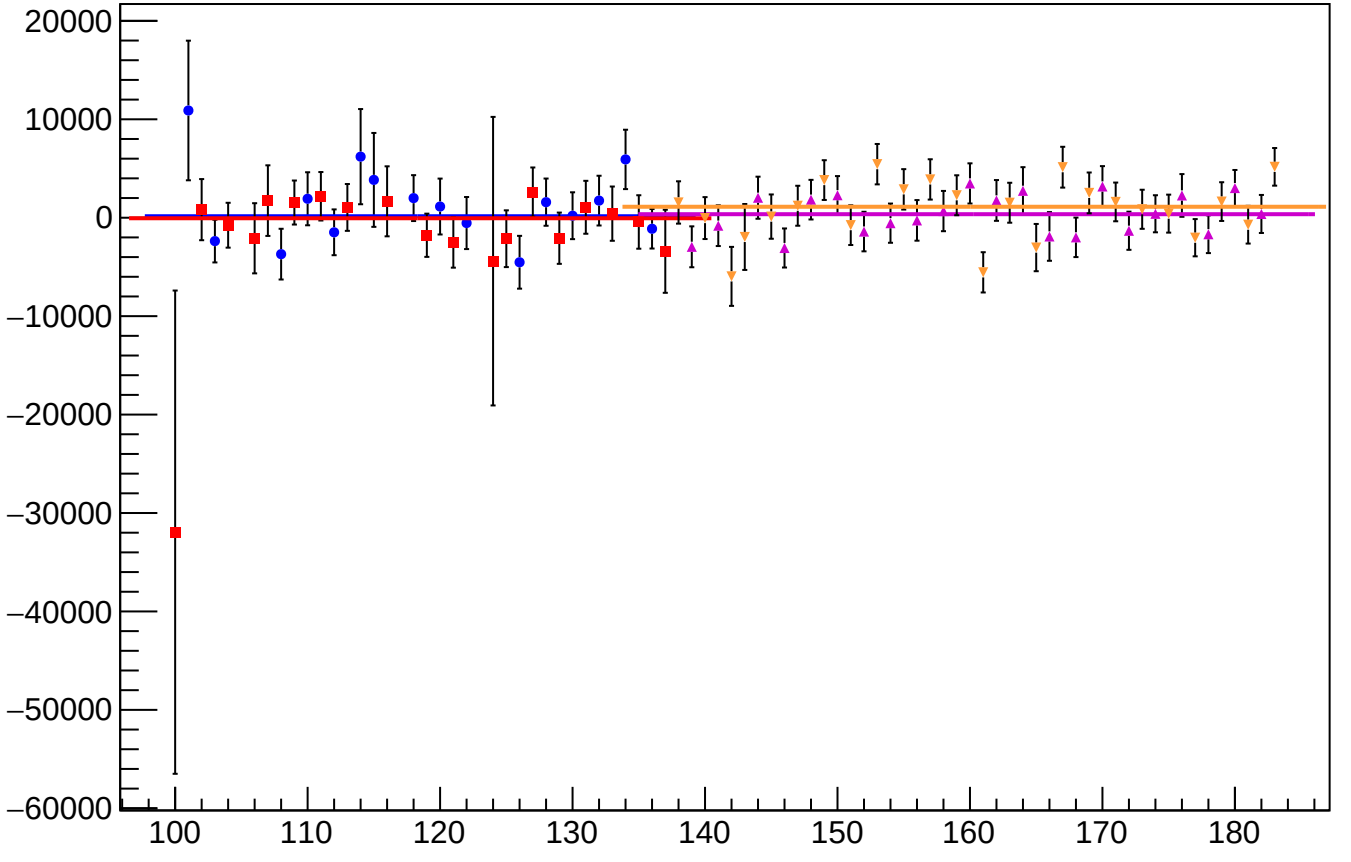
Left In: 4313.031+/-0.734 χ^2/NDF:1278659.7/21

+ sign 1115.823+/-0.254 χ^2/NDF: 32869444.2/39

All: 1185.202+/-0.193 χ^2/NDF: 64903567.9/8

- sign 1279.364+/-0.296 χ^2/NDF: 31858653.1/40

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1114.162+/-426.060 χ^2/NDF:43.3/23

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

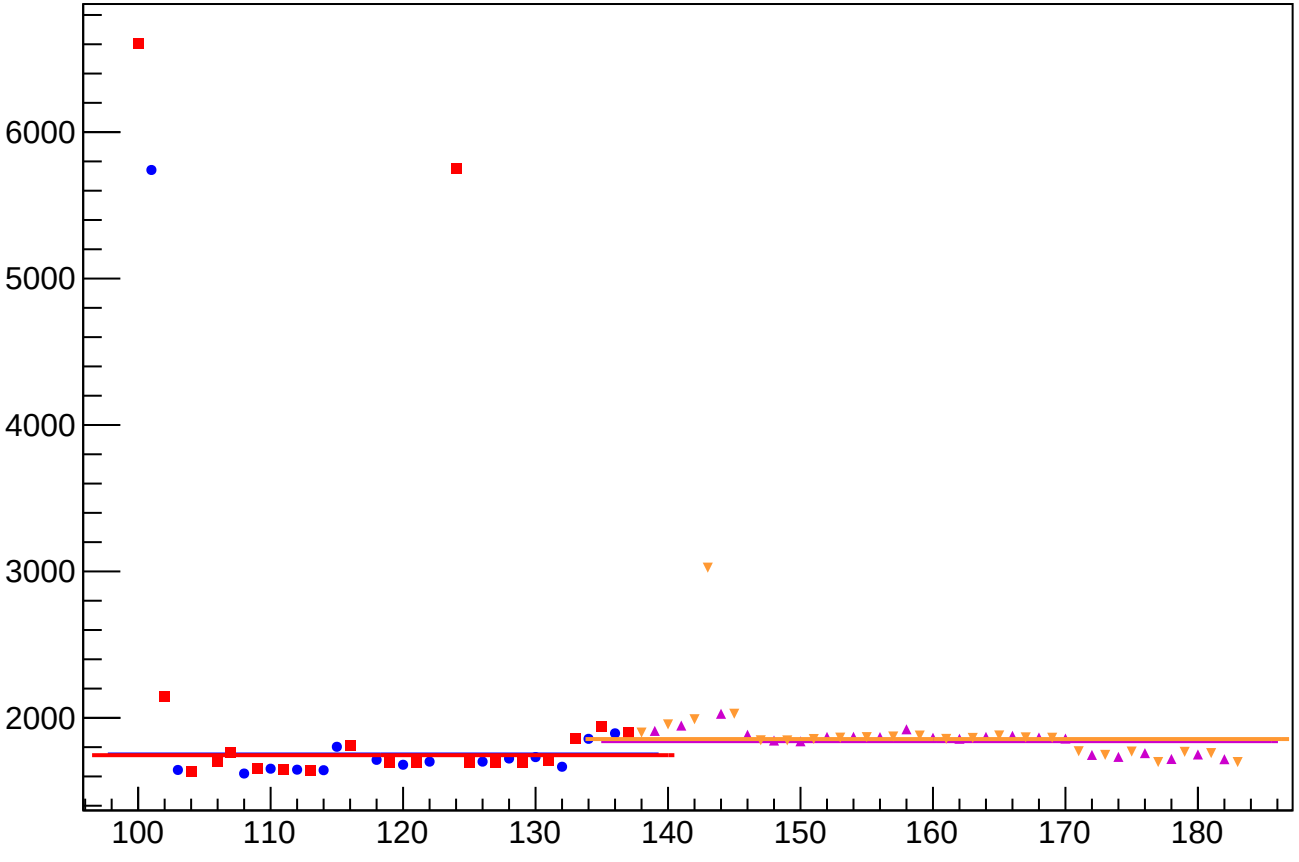
Left In: 358.202+/-433.804 χ^2/NDF:21.7/21

+ sign 834.851+/-359.063 χ^2/NDF: 62.4/39

All: 535.918+/-254.830 χ^2/NDF: 94.7/80

- sign 232.545+/-361.720 χ^2/NDF: 30.9/40

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1855.254+/-0.301 χ^2/NDF:316024.7/23

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

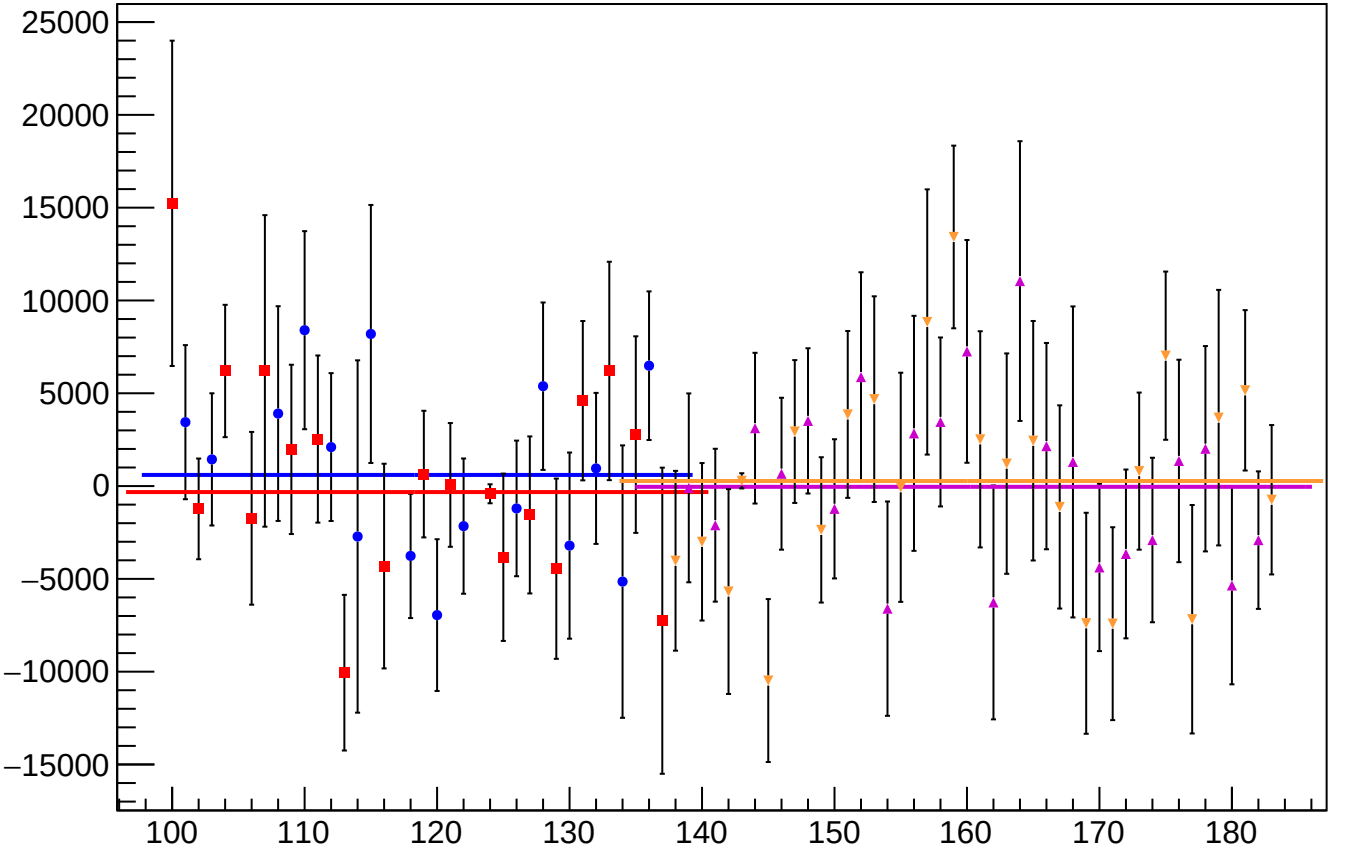
Left In: 1841.031+/-0.307 χ^2/NDF:64945.2/21

+ sign 1824.715+/-0.254 χ^2/NDF: 1021060.9/39

All: 1818.235+/-0.180 χ^2/NDF: 1415200.0/80

- sign 1811.673+/-0.255 χ^2/NDF: 392827.9/40

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 272.691+/-380.506 χ^2/NDF:28.8/23

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

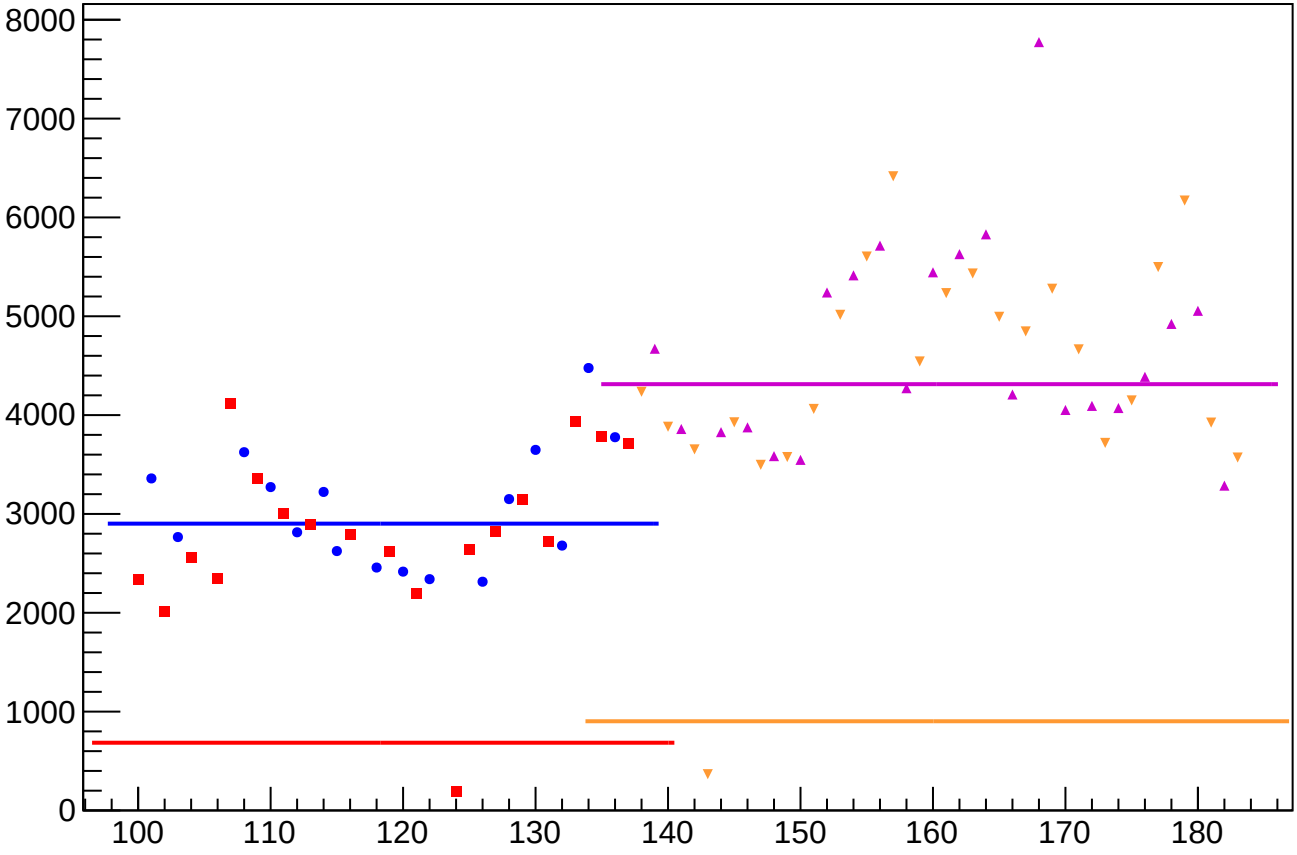
Left In: -40.469+/-1037.503 χ^2/NDF:13.6/21

+ sign 307.685+/-359.604 χ^2/NDF: 43.7/39

All: 60.167+/-273.063 χ^2/NDF: 77.5/80

- sign -276.913+/-419.651 χ^2/NDF: 32.6/40

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 902.451+/-0.269 χ^2/NDF:26484402.6/23

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

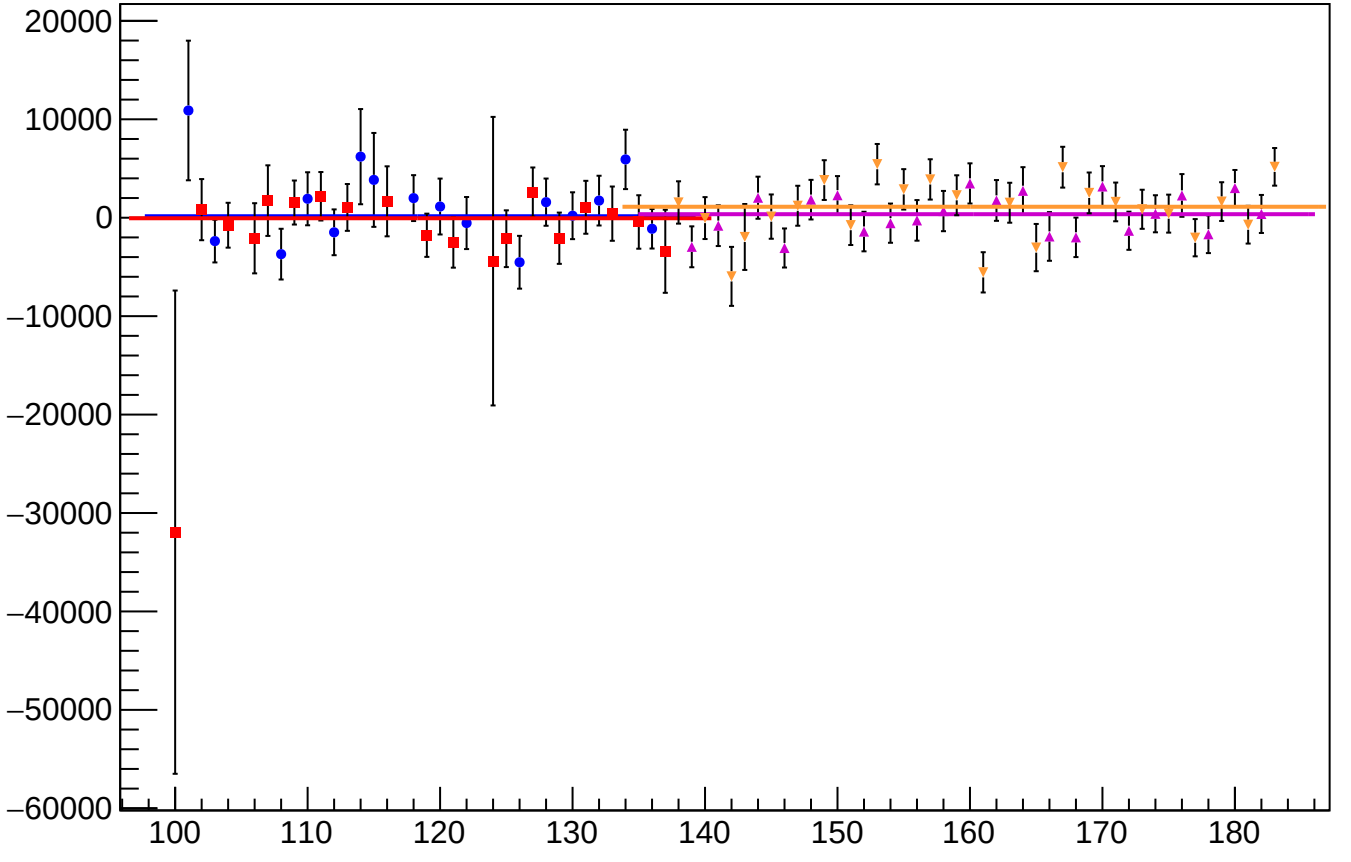
Left In: 4313.023+/-0.734 χ^2/NDF:1278666.7/21

+ sign 1116.082+/-0.254 χ^2/NDF: 32865653.2/39

All: 1184.968+/-0.193 χ^2/NDF: 64875706.6/8

- sign 1278.779+/-0.297 χ^2/NDF: 31836718.5/40

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1114.162+/-426.060 χ^2/NDF:43.3/23

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

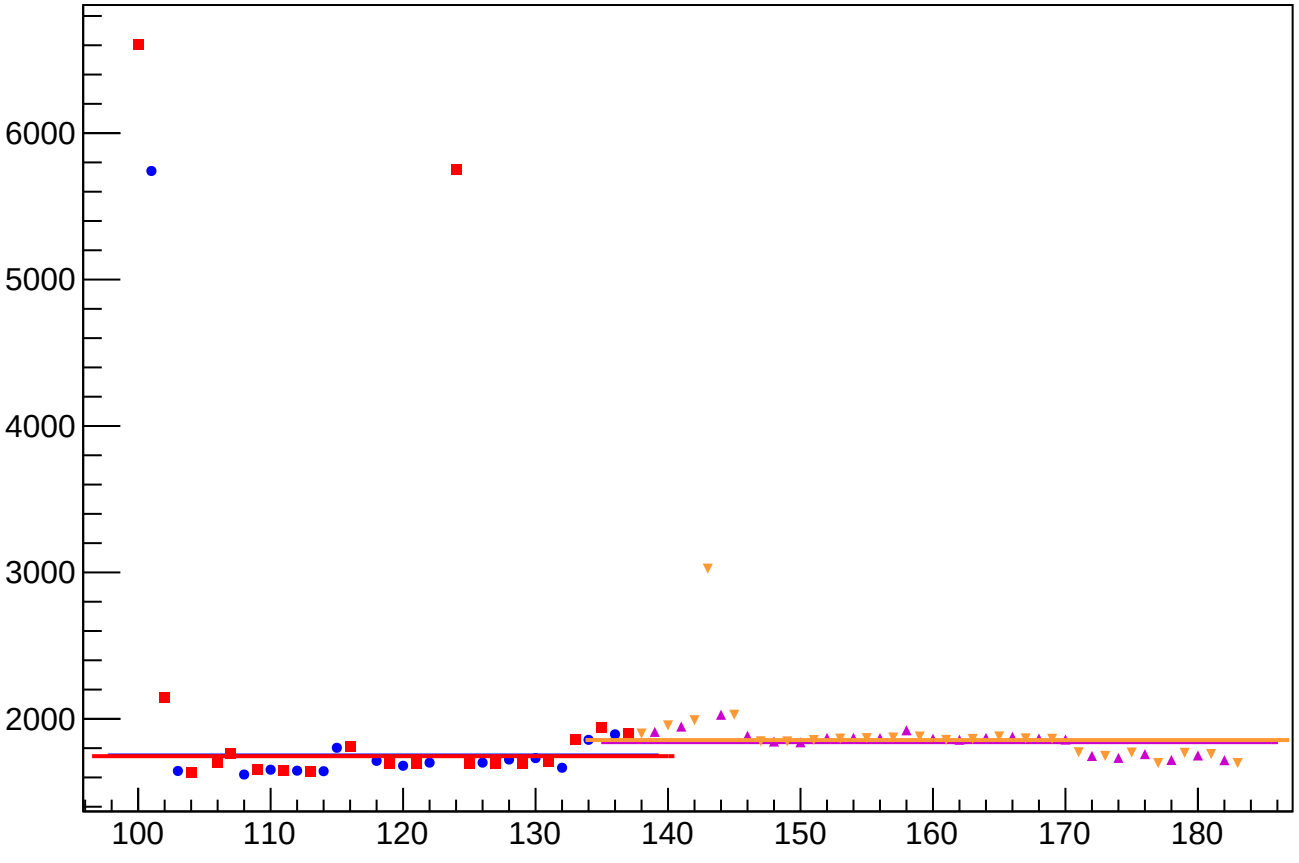
Left In: 358.202+/-433.804 χ^2/NDF:21.7/21

+ sign 834.851+/-359.063 χ^2/NDF: 62.4/39

All: 535.918+/-254.830 χ^2/NDF: 94.7/80

- sign 232.545+/-361.720 χ^2/NDF: 30.9/40

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1855.254+/-0.301 χ^2/NDF:316024.7/23

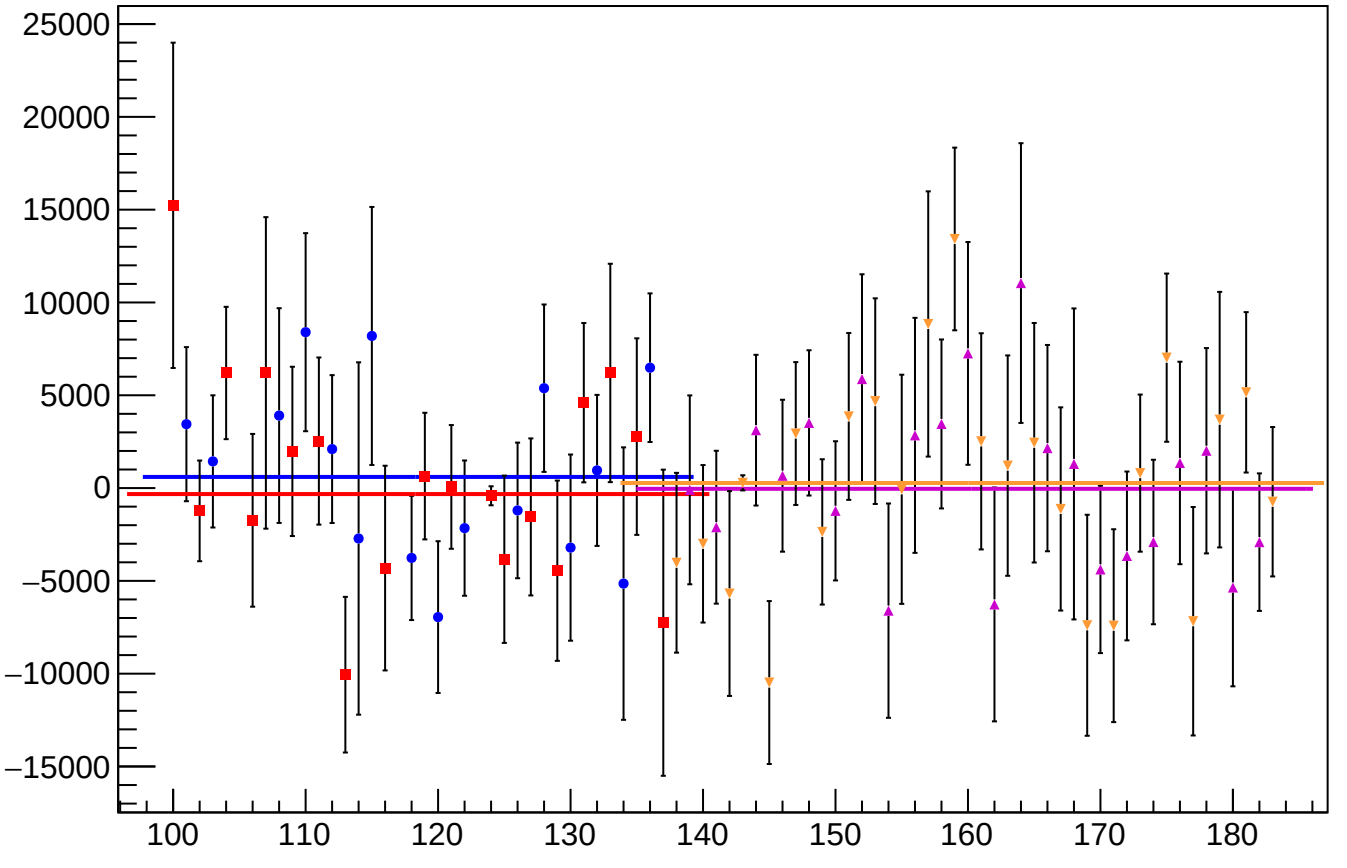
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1841.031+/-0.307 χ^2/NDF:64945.2/21

+ sign 1824.715+/-0.254 χ^2/NDF: 1021060.9/39

All: 1818.235+/-0.180 χ^2/NDF: 1415200.0/80

- sign 1811.673+/-0.255 χ^2/NDF: 392827.9/40



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 272.691+/-380.506 χ^2/NDF:28.8/23

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

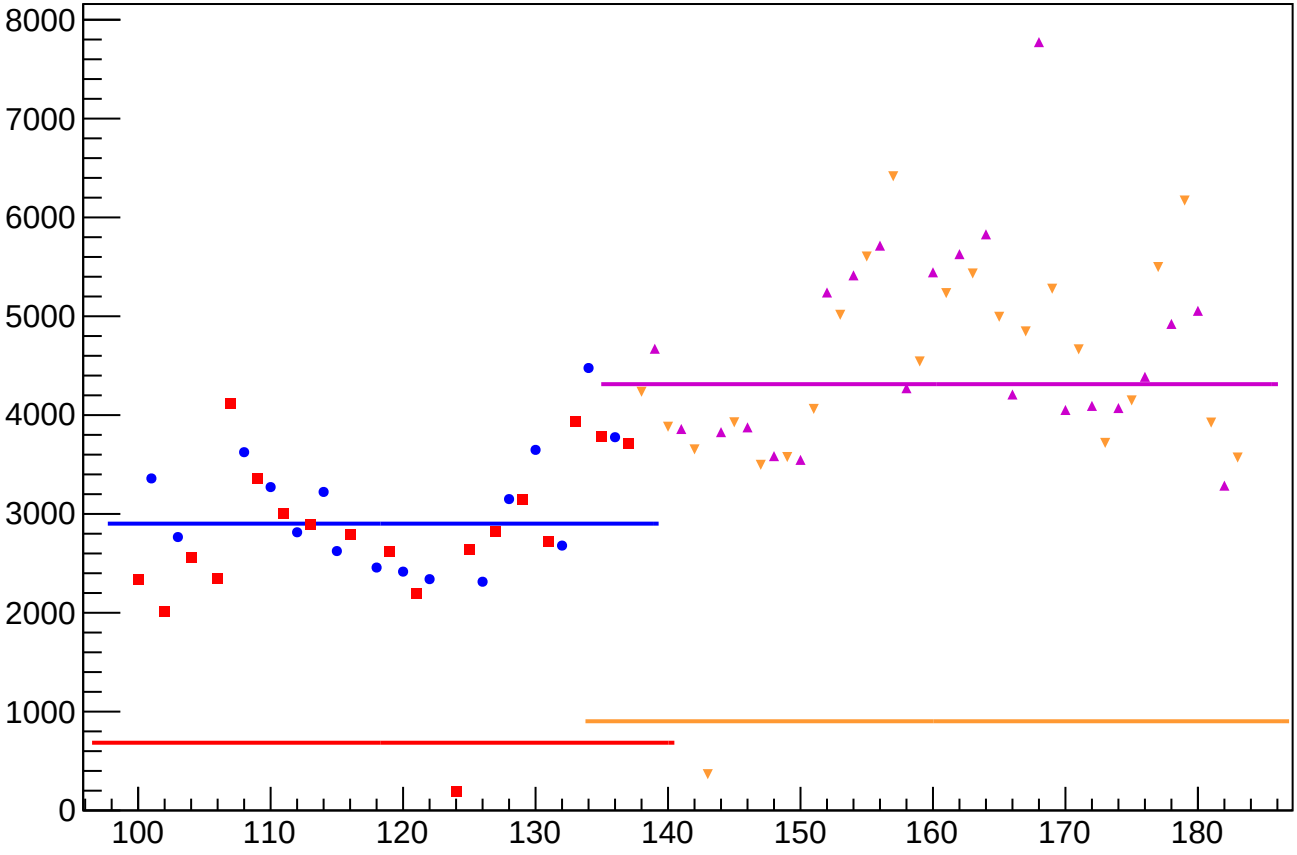
Left In: -40.469+/-1037.503 χ^2/NDF:13.6/21

+ sign 307.685+/-359.604 χ^2/NDF: 43.7/39

All: 60.167+/-273.063 χ^2/NDF: 77.5/80

- sign -276.913+/-419.651 χ^2/NDF: 32.6/40

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 902.451+/-0.269 χ^2/NDF:26484402.6/23

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

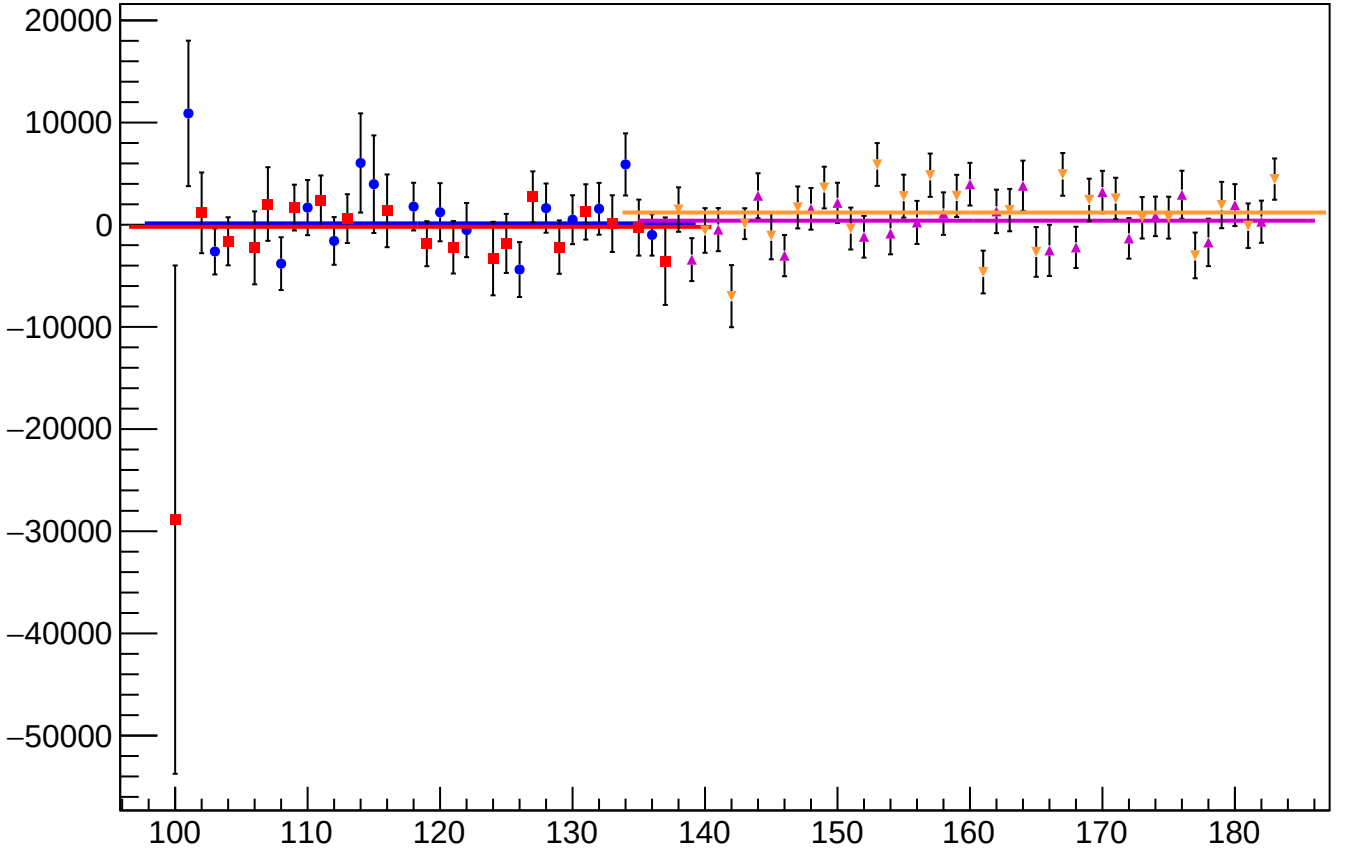
Left In: 4313.023+/-0.734 χ^2/NDF:1278666.7/21

+ sign 1116.082+/-0.254 χ^2/NDF: 32865653.2/39

All: 1184.968+/-0.193 χ^2/NDF: 64875706.6/8

- sign 1278.779+/-0.297 χ^2/NDF: 31836718.5/40

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1196.002+/-428.575 χ^2/NDF:41.7/23

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

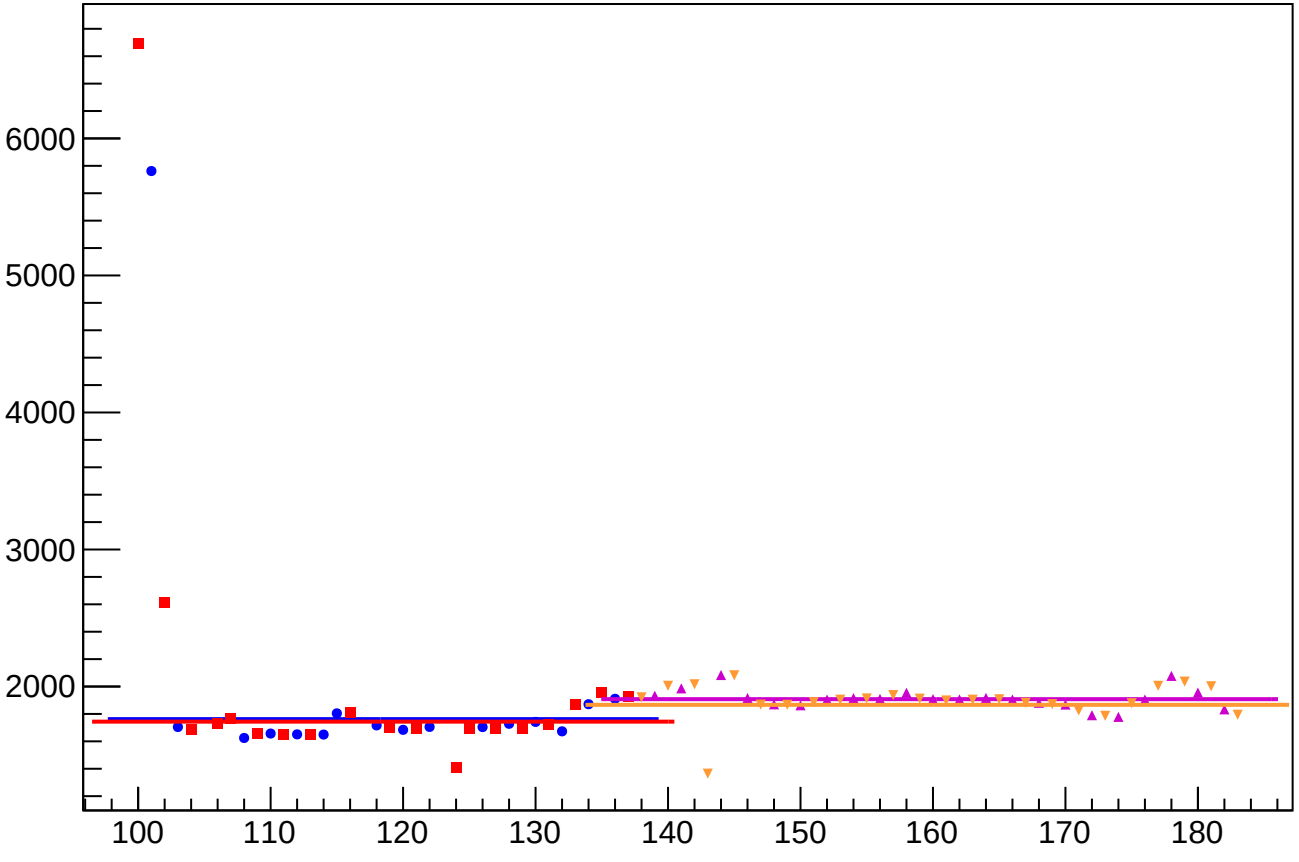
Left In: 396.598+/-449.524 χ^2/NDF:23.0/21

+ sign 888.646+/-361.284 χ^2/NDF: 60.7/39

All: 554.787+/-258.675 χ^2/NDF: 95.8/80

- sign 203.613+/-370.534 χ^2/NDF: 33.3/40

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1866.433+/-0.303 χ^2/NDF:292887.4/23

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

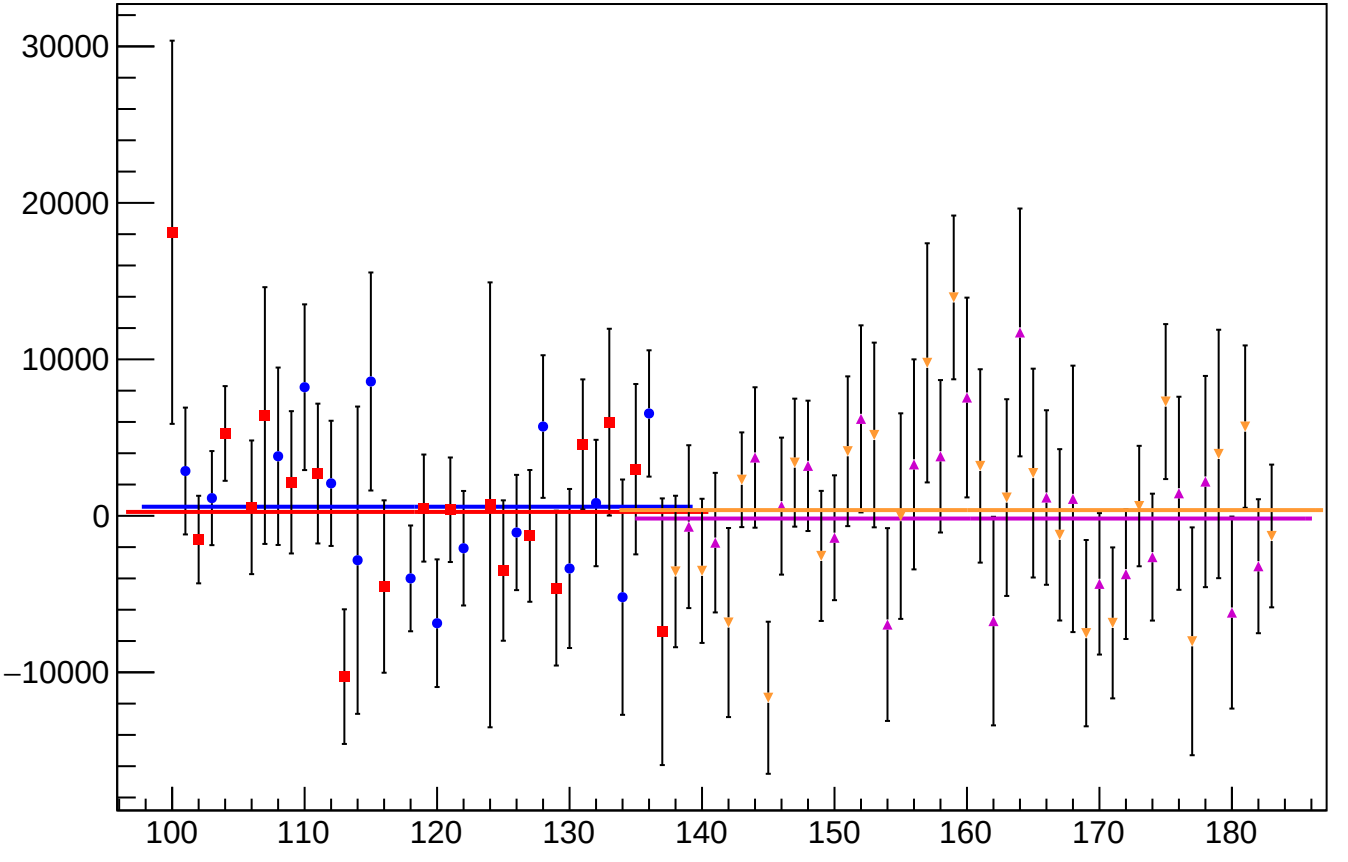
Left In: 1907.842+/-0.318 χ^2/NDF:50153.6/21

+ sign 1836.229+/-0.255 χ^2/NDF: 994913.8/39

All: 1845.398+/-0.183 χ^2/NDF: 1361263.8/80

- sign 1855.025+/-0.262 χ^2/NDF: 363709.0/40

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 366.588+/-1030.169 χ^2/NDF:29.0/23

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

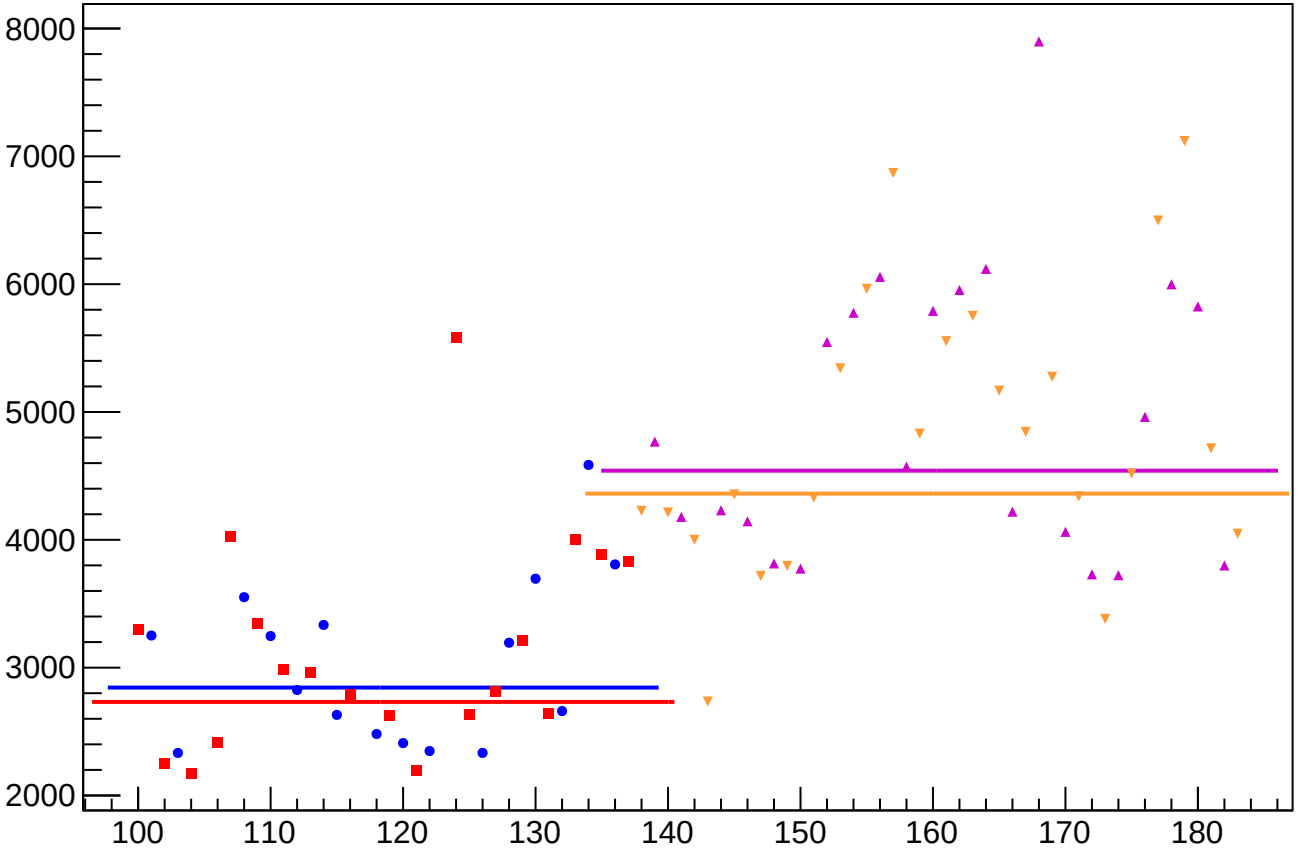
Left In: -172.943+/-1094.725 χ^2/NDF:13.3/21

\+ sign 469.169+/-745.920 χ^2/NDF: 43.9/39

All: 261.475+/-527.708 χ^2/NDF: 75.3/80

\- sign 53.366+/-746.665 χ^2/NDF: 31.3/40

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4361.643+/-0.728 χ^2/NDF:1909450.8/23

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

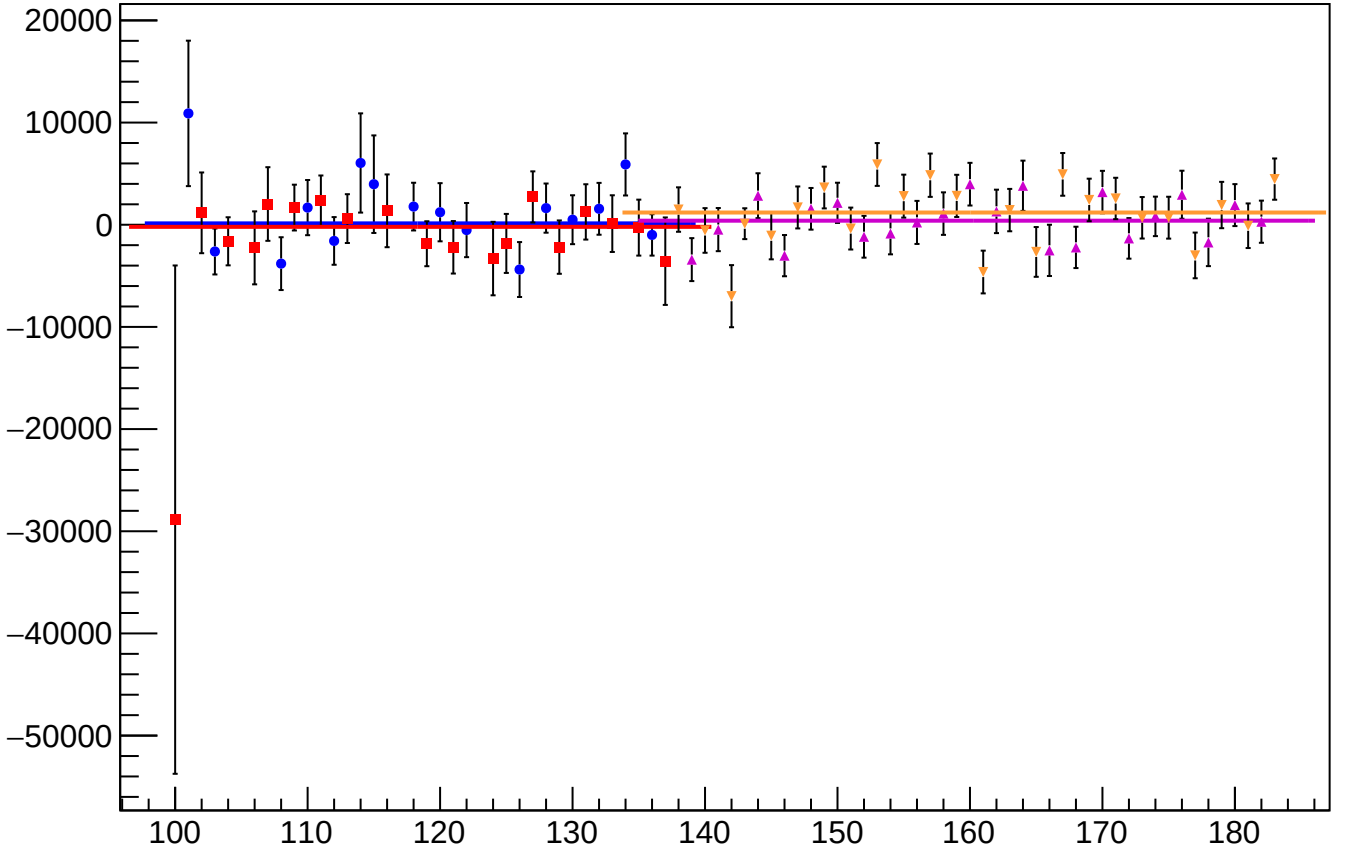
Left In: 4541.025+/-0.774 χ^2/NDF:1411063.1/21

+ sign 3639.751+/-0.527 χ^2/NDF: 4515969.9/39

All: 3606.684+/-0.373 χ^2/NDF: 9467029.1/80

- sign 3573.550+/-0.528 χ^2/NDF: 4943190.5/40

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1196.003+/-428.575 χ^2/NDF:41.7/23

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

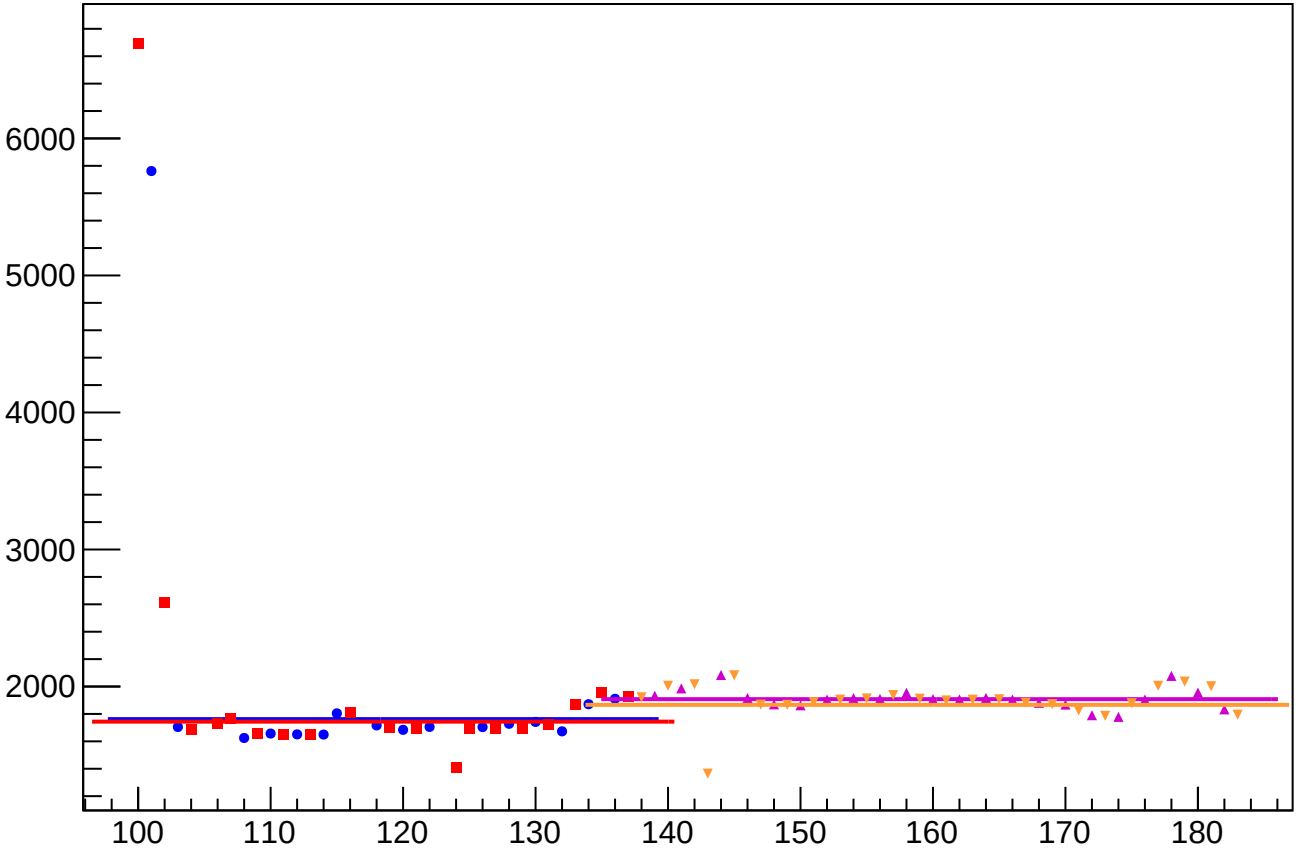
Left In: 396.599+/-449.524 χ^2/NDF:23.0/21

+ sign 888.646+/-361.284 χ^2/NDF: 60.7/39

All: 554.787+/-258.675 χ^2/NDF: 95.8/80

- sign 203.614+/-370.534 χ^2/NDF: 33.3/40

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1866.434+/-0.303 χ^2/NDF:292890.8/23

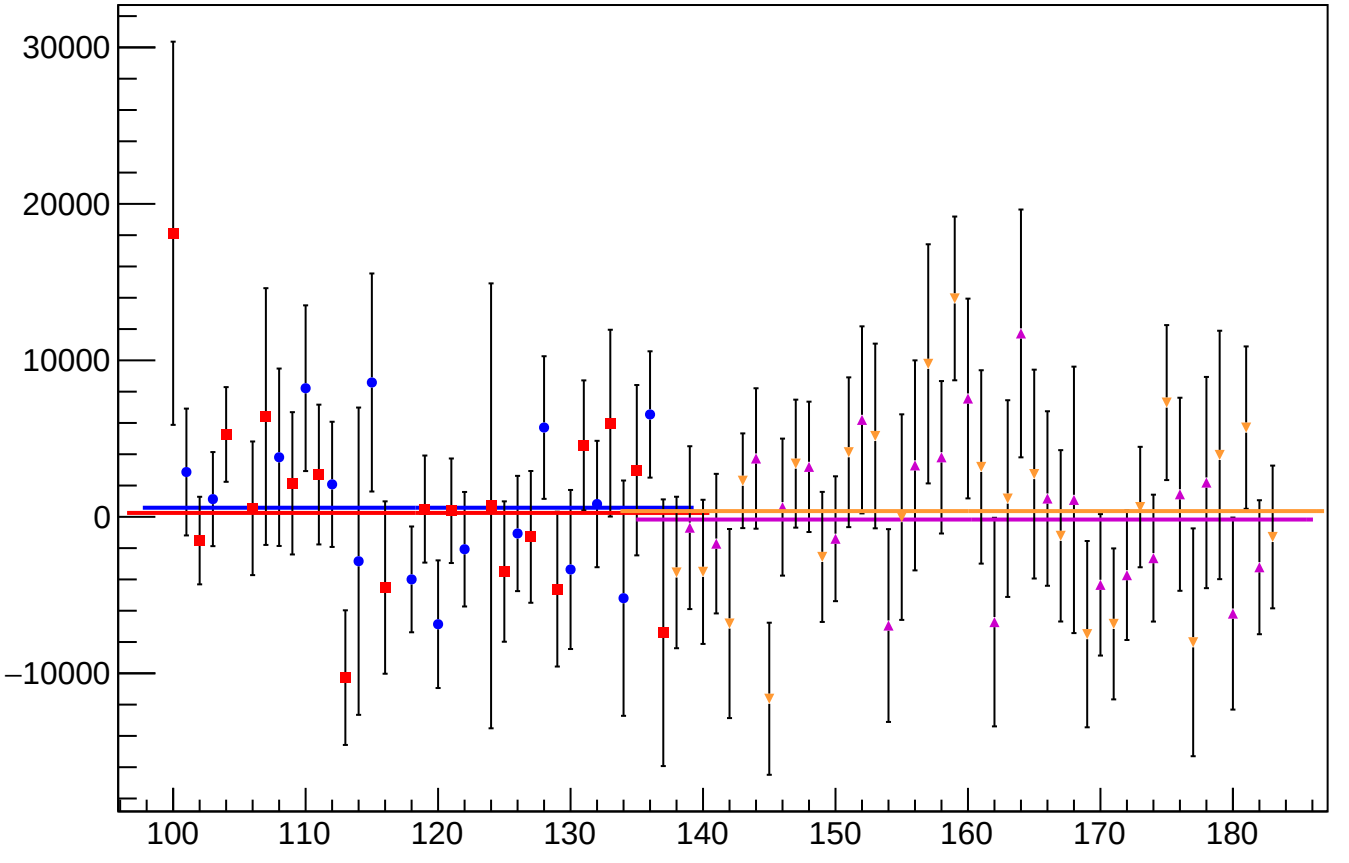
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1907.843+/-0.318 χ^2/NDF:50155.9/21

+ sign 1836.229+/-0.255 χ^2/NDF: 994917.8/39

All: 1845.399+/-0.183 χ^2/NDF: 1361271.2/80

- sign 1855.026+/-0.262 χ^2/NDF: 363712.4/40



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 366.591+/-1030.170 χ^2/NDF:29.0/23

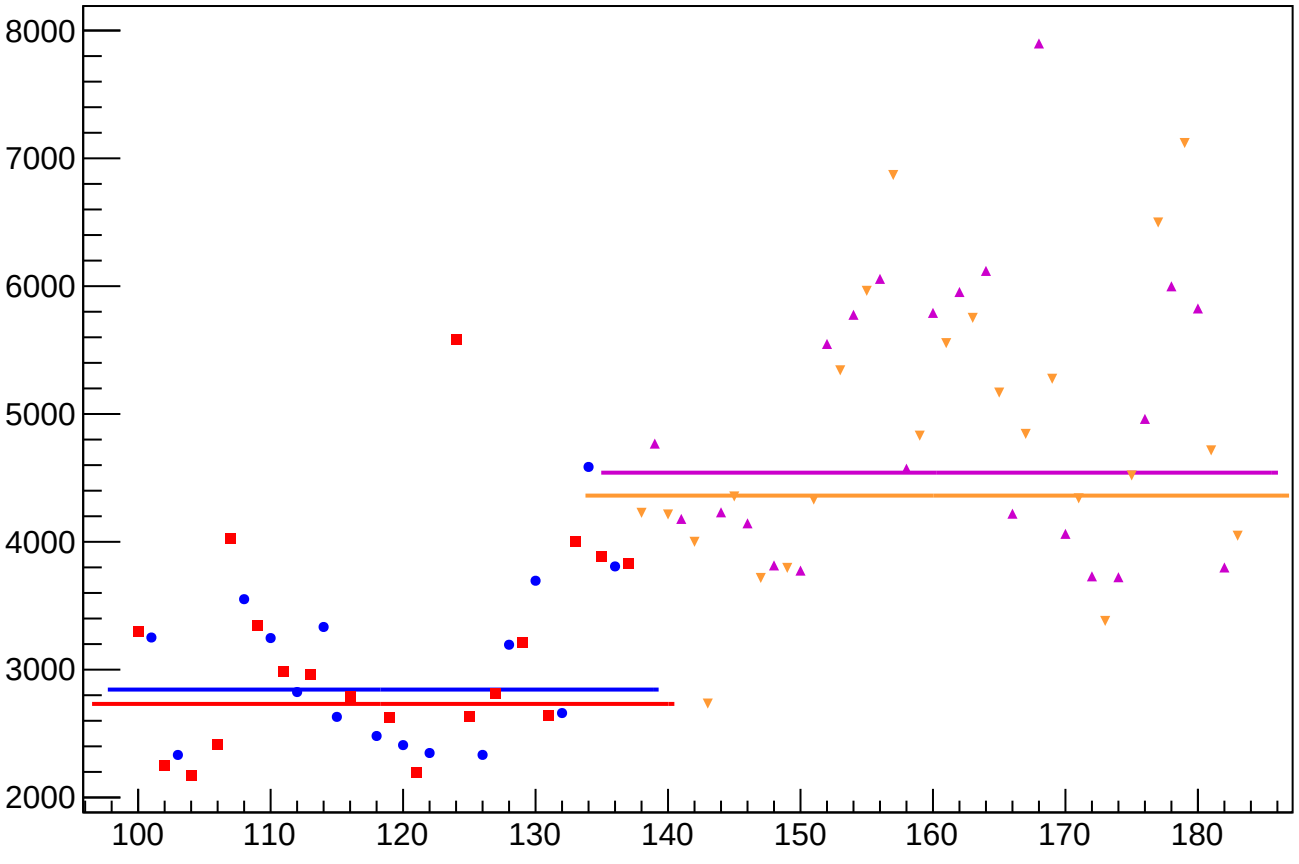
Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -172.943+/-1094.727 χ^2/NDF:13.3/21

+ sign 469.169+/-745.920 χ^2/NDF: 43.9/39

All: 261.476+/-527.708 χ^2/NDF: 75.3/80

- sign 53.367+/-746.665 χ^2/NDF: 31.3/40



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4361.650+/-0.728 χ^2/NDF:1909455.4/23

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

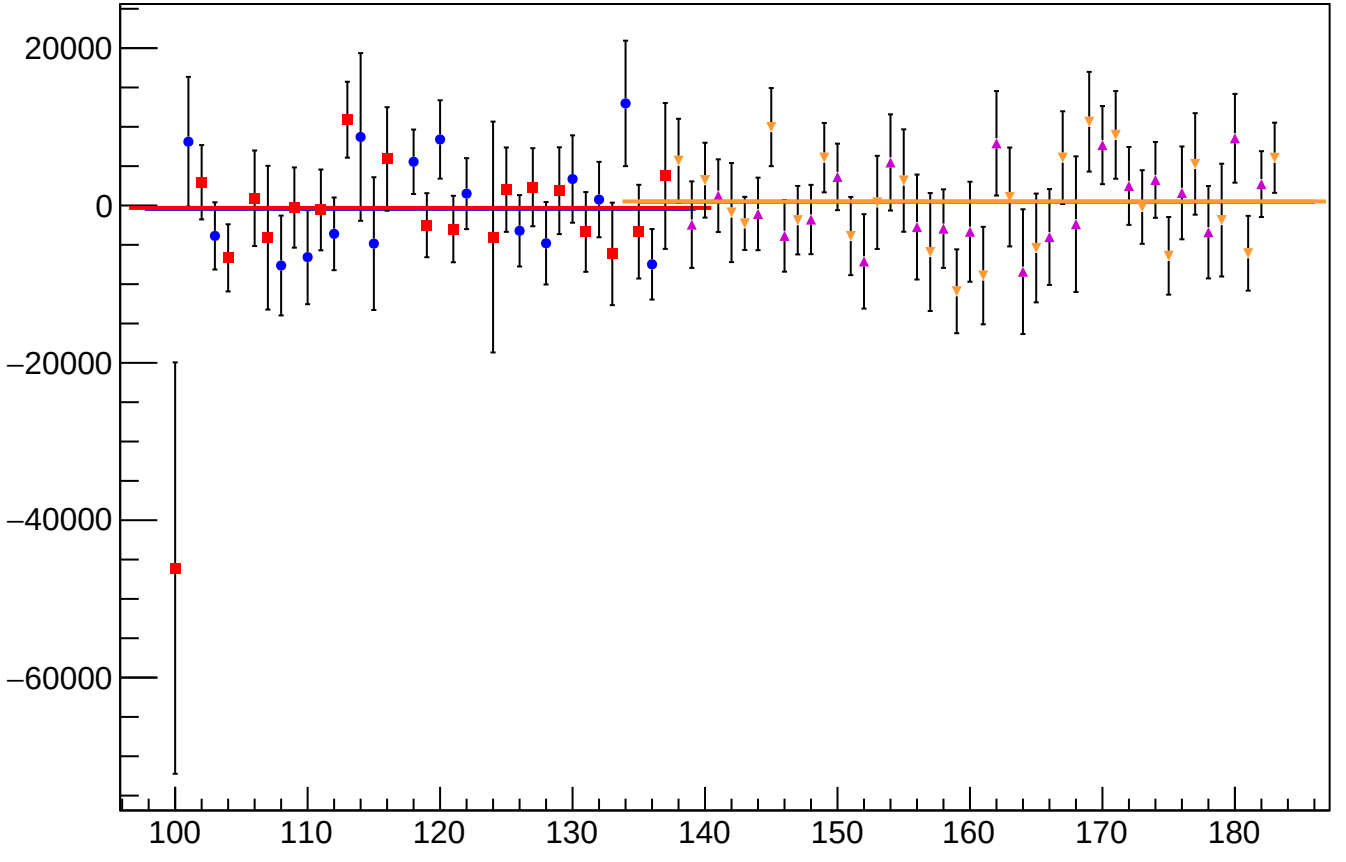
Left In: 4541.033+/-0.774 χ^2/NDF:1411064.3/21

+ sign 3639.748+/-0.527 χ^2/NDF: 4516019.9/39

All: 3606.680+/-0.373 χ^2/NDF: 9467121.2/80

- sign 3573.547+/-0.528 χ^2/NDF: 4943232.6/40

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 514.460+/-1074.744 χ^2/NDF:28.7/23

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

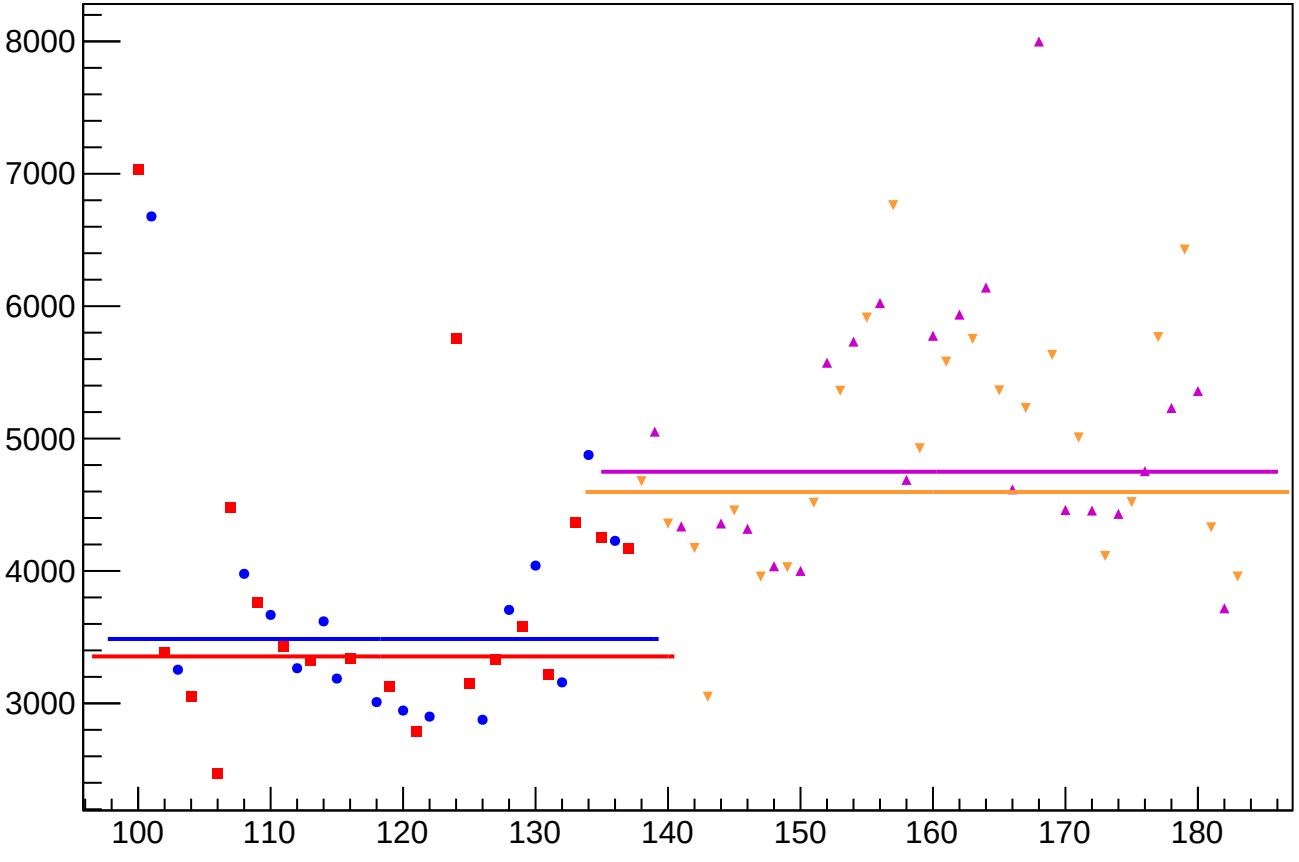
Left In: 477.717+/-1136.484 χ^2/NDF:14.0/21

+ sign 143.153+/-835.248 χ^2/NDF: 46.9/39

All: 136.748+/-595.270 χ^2/NDF: 76.4/80

- sign 130.138+/-848.588 χ^2/NDF: 29.5/40

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4596.535+/-0.760 χ^2/NDF:1298672.0/23

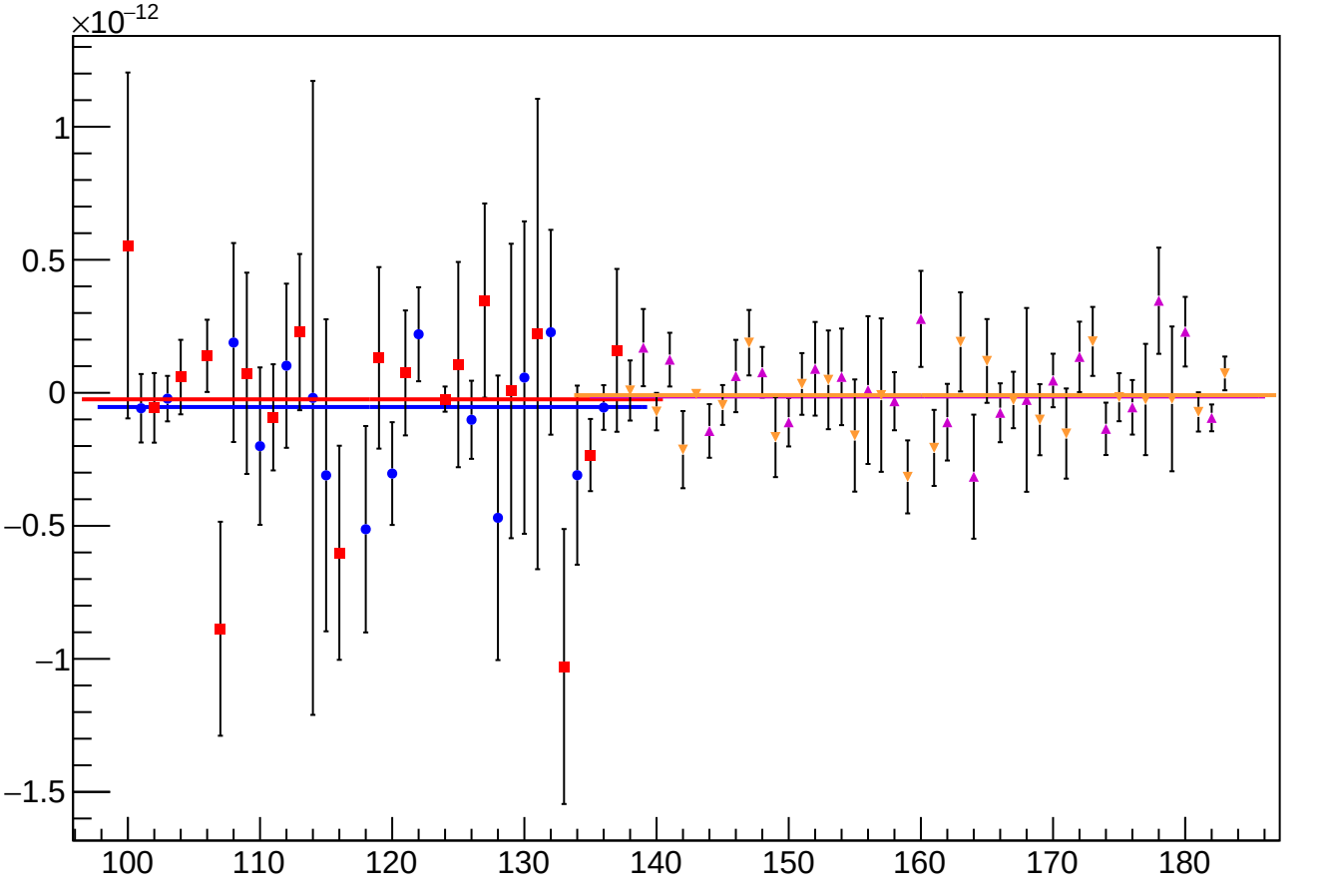
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4749.389+/-0.804 χ^2/NDF:975969.5/21

+ sign 4156.803+/-0.591 χ^2/NDF: 2739887.9/39

All: 4139.807+/-0.420 χ^2/NDF: 5448114.5/80

- sign 4122.481+/-0.596 χ^2/NDF: 2706554.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

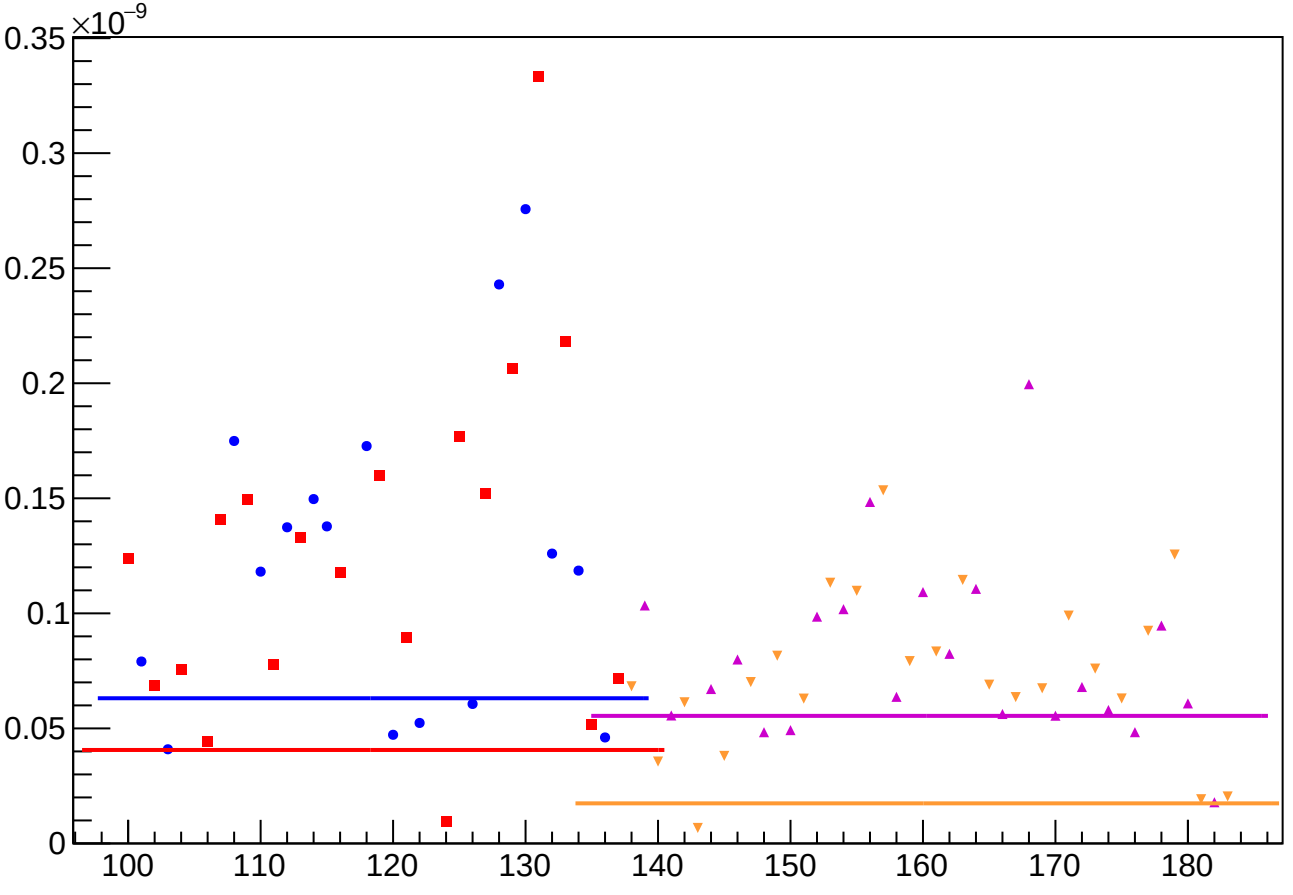
Left In: -0.000+/-0.000 χ^2/NDF:25.7/21

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/39

All: -0.000+/-0.000 χ^2/NDF: 76.1/80

- sign -0.000+/-0.000 χ^2/NDF: 44.1/40

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8855429.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

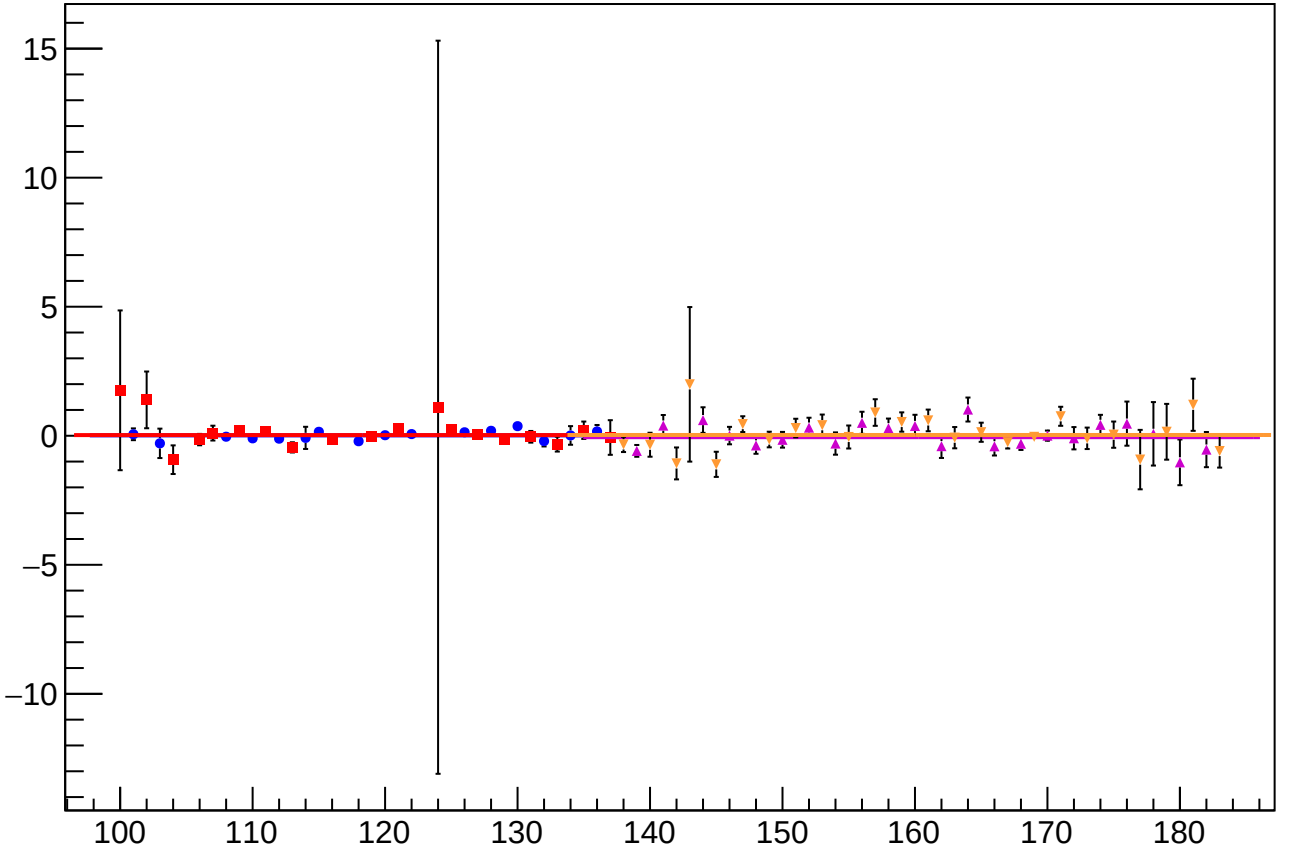
Left In: 0.000+/-0.000 χ^2/NDF:2746158.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 12268811.0/39

All: 0.000+/-0.000 χ^2/NDF: 21998781.1/80

- sign 0.000+/-0.000 χ^2/NDF: 6154466.5/40

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.030+/-0.078 χ^2/NDF:29.9/23

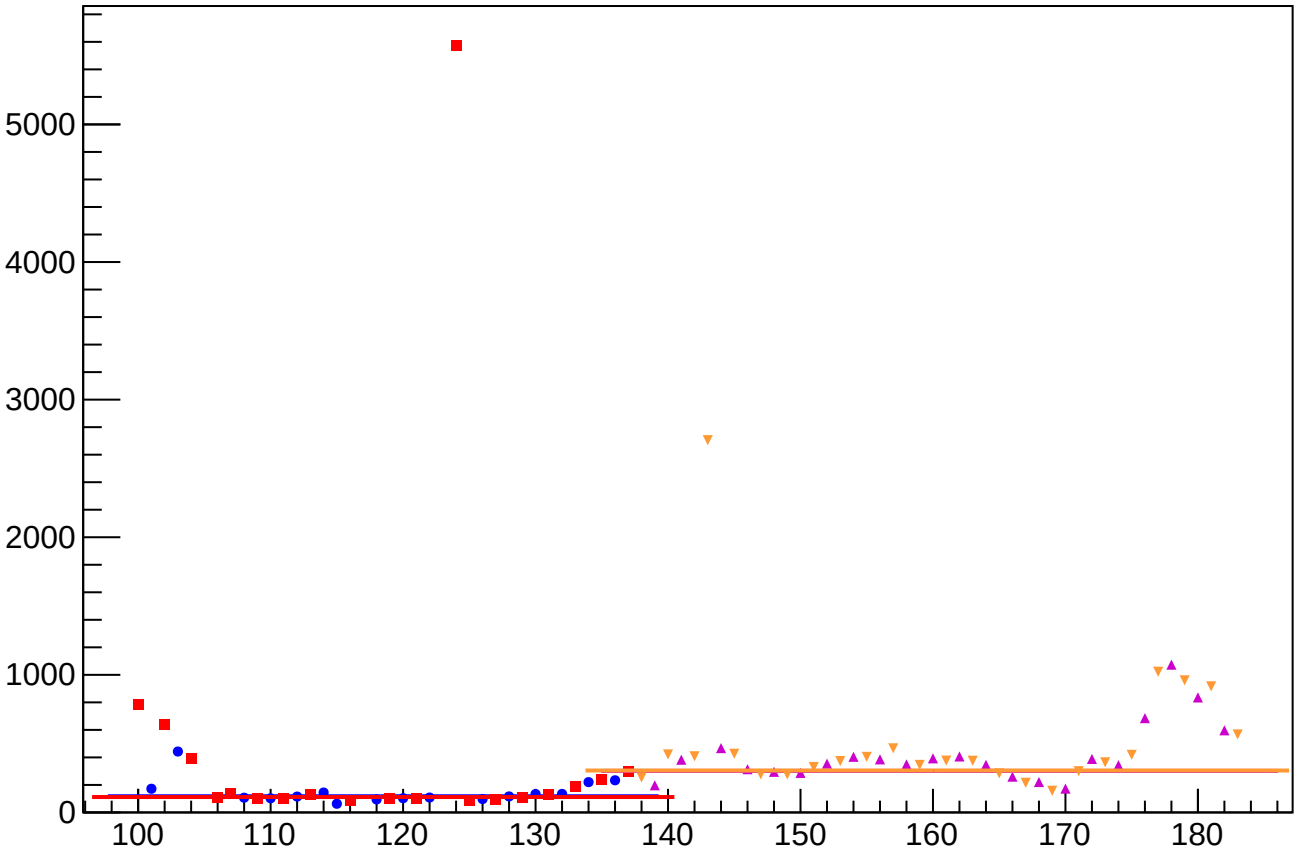
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.055+/-0.078 χ^2/NDF:26.0/21

+ sign 0.019+/-0.041 χ^2/NDF: 41.8/39

All: 0.012+/-0.029 χ^2/NDF: 90.7/80

- sign 0.004+/-0.040 χ^2/NDF: 48.9/40



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 304.732+/-0.055 χ^2/NDF:6558694.4/23

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

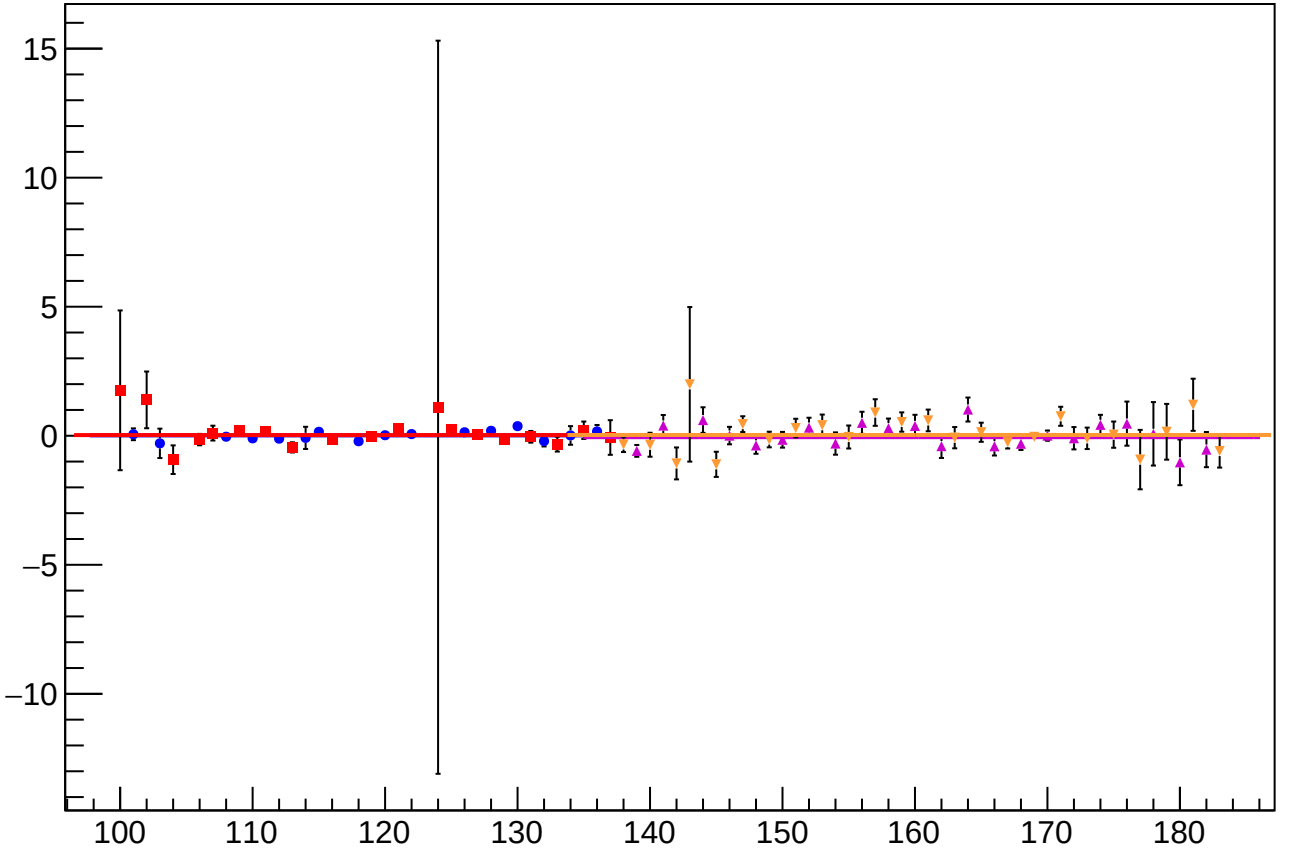
Left In: 301.851+/-0.055 χ^2/NDF:4709858.2/21

+ sign 168.694+/-0.029 χ^2/NDF: 16607593.8/39

All: 165.709+/-0.020 χ^2/NDF: 32294017.5/80

- sign 162.833+/-0.028 χ^2/NDF: 15665446.8/40

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.030+/-0.078 χ^2/NDF:29.9/23

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

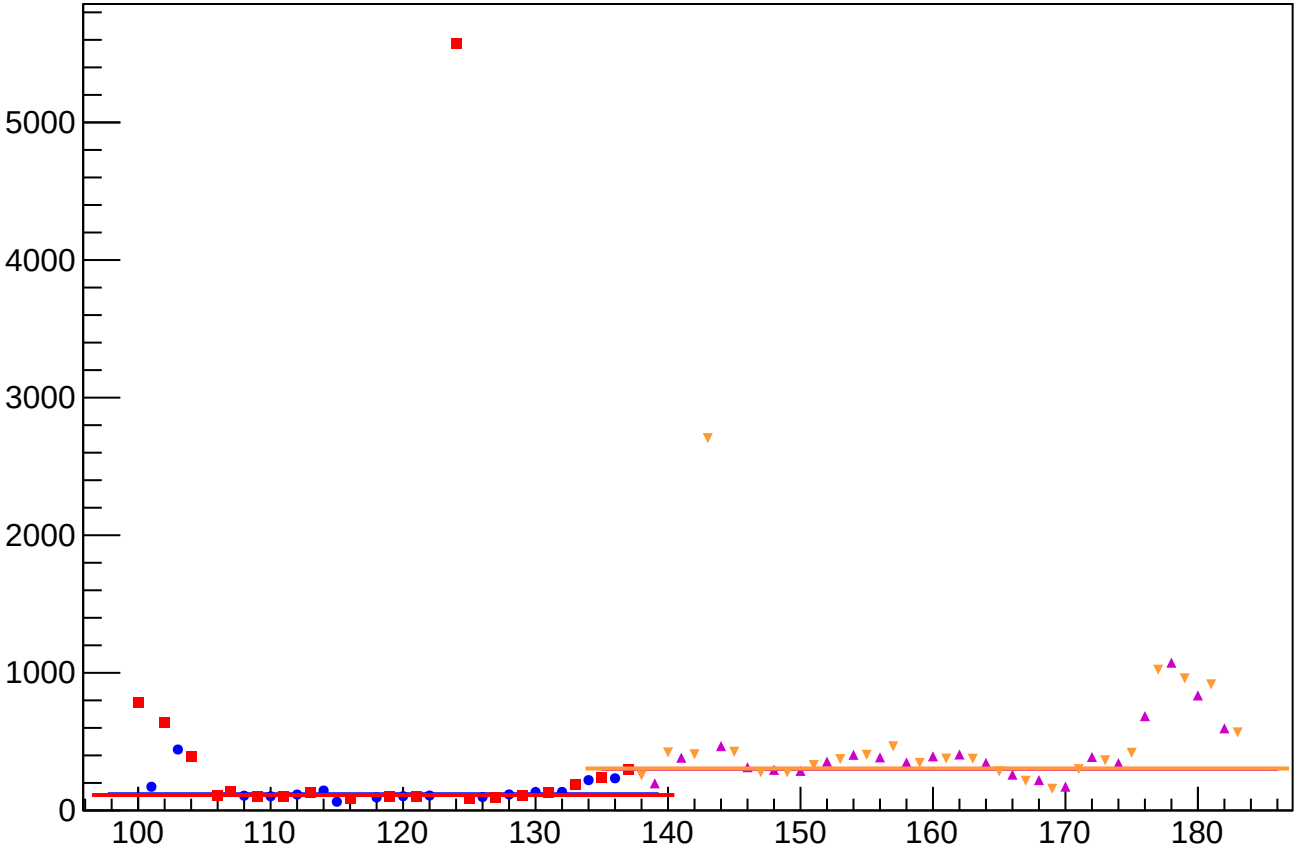
Left In: -0.055+/-0.078 χ^2/NDF:26.0/21

+ sign 0.019+/-0.041 χ^2/NDF: 41.8/39

All: 0.012+/-0.029 χ^2/NDF: 90.7/80

- sign 0.004+/-0.040 χ^2/NDF: 48.9/40

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 304.732+/-0.055 χ^2/NDF:6558694.4/23

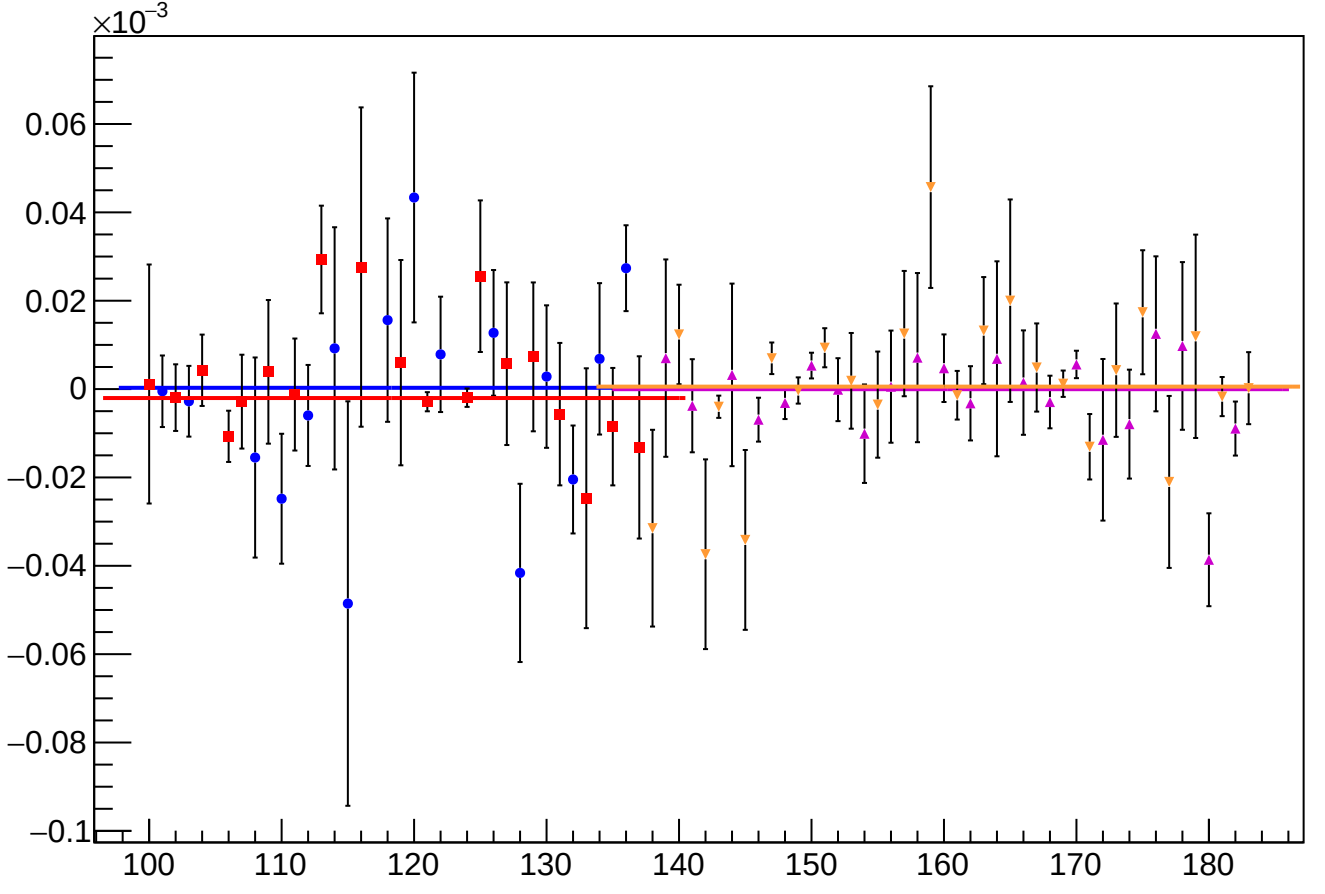
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 301.851+/-0.055 χ^2/NDF:4709858.2/21

+ sign 168.694+/-0.029 χ^2/NDF: 16607593.8/39

All: 165.709+/-0.020 χ^2/NDF: 32294017.5/80

- sign 162.833+/-0.028 χ^2/NDF: 15665446.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

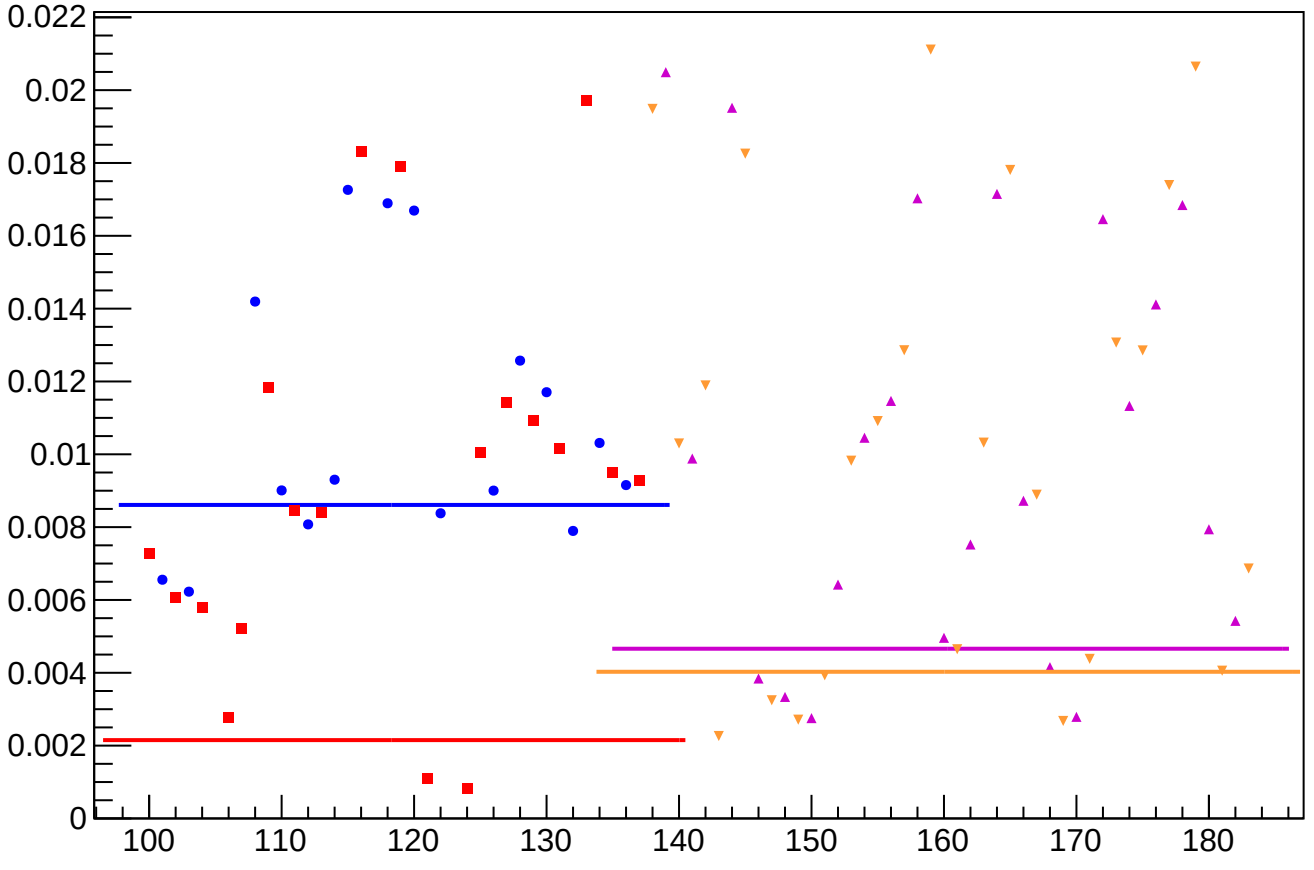
Left In: -0.000+/-0.000 χ^2/NDF:28.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/39

All: -0.000+/-0.000 χ^2/NDF: 103.0/80

- sign -0.000+/-0.000 χ^2/NDF: 44.4/40

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:13339532.7/23

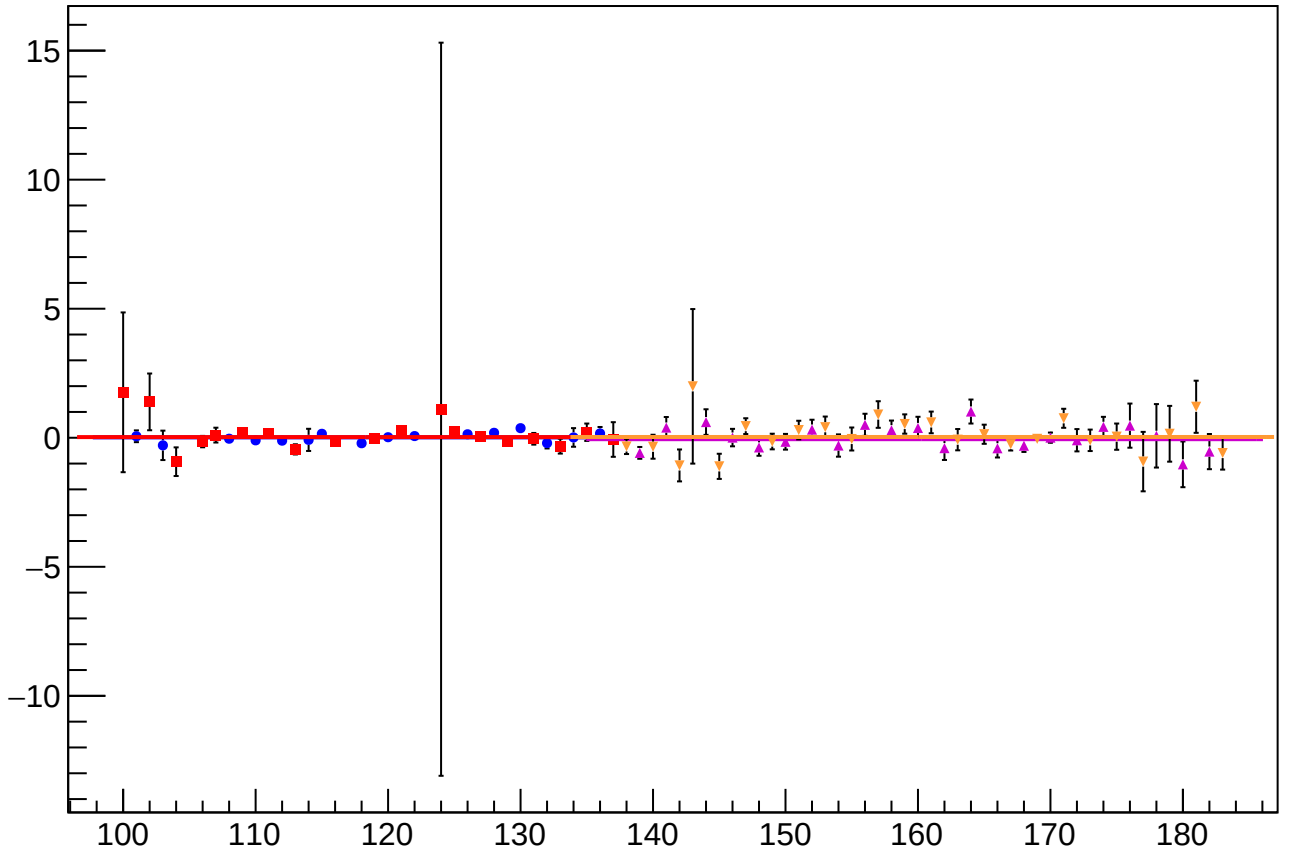
Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:10677039.0/21

+ sign 0.005+/-0.000 χ^2/NDF: 17729855.3/39

All: 0.004+/-0.000 χ^2/NDF: 42135635.3/80

- sign 0.003+/-0.000 χ^2/NDF: 23114017.3/40



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.030+/-0.078 χ^2/NDF:29.9/23

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

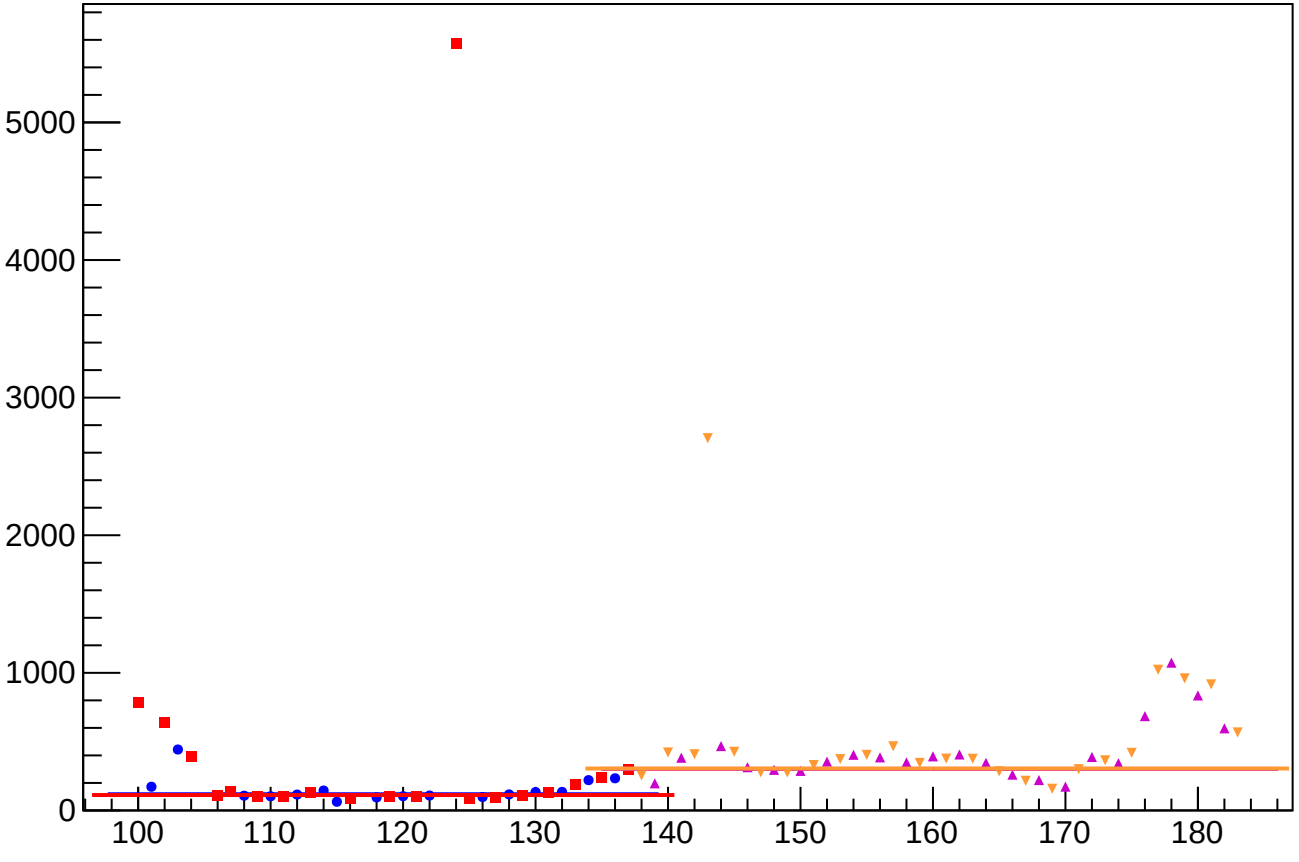
Left In: -0.055+/-0.078 χ^2/NDF:26.0/21

+ sign 0.019+/-0.041 χ^2/NDF: 41.8/39

All: 0.012+/-0.029 χ^2/NDF: 90.7/80

- sign 0.004+/-0.040 χ^2/NDF: 48.9/40

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 304.733+/-0.055 χ^2/NDF:6558762.4/23

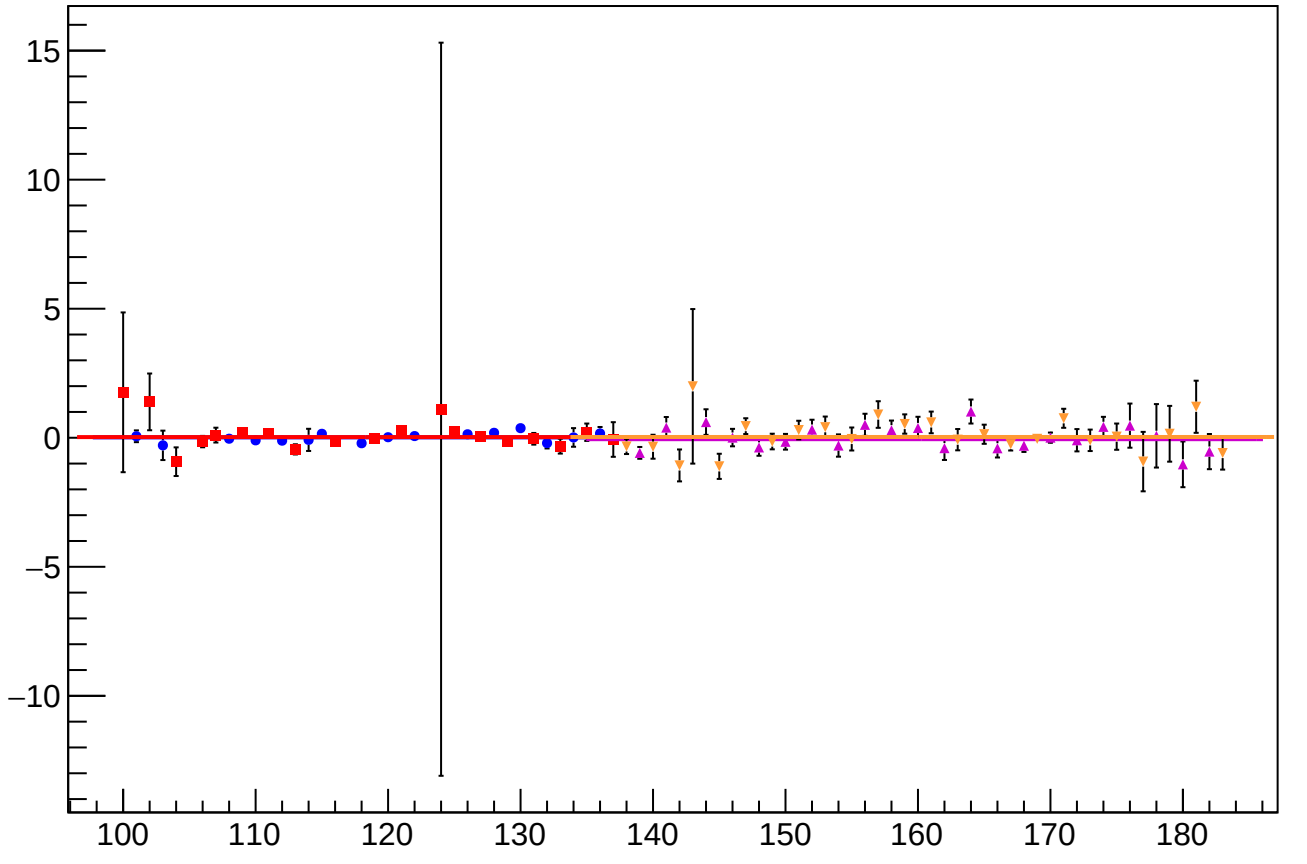
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 301.854+/-0.055 χ^2/NDF:4709840.8/21

+ sign 168.694+/-0.029 χ^2/NDF: 16607698.2/39

All: 165.711+/-0.020 χ^2/NDF: 32293965.1/80

- sign 162.835+/-0.028 χ^2/NDF: 15665305.0/40



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.030+/-0.078 χ^2/NDF:29.9/23

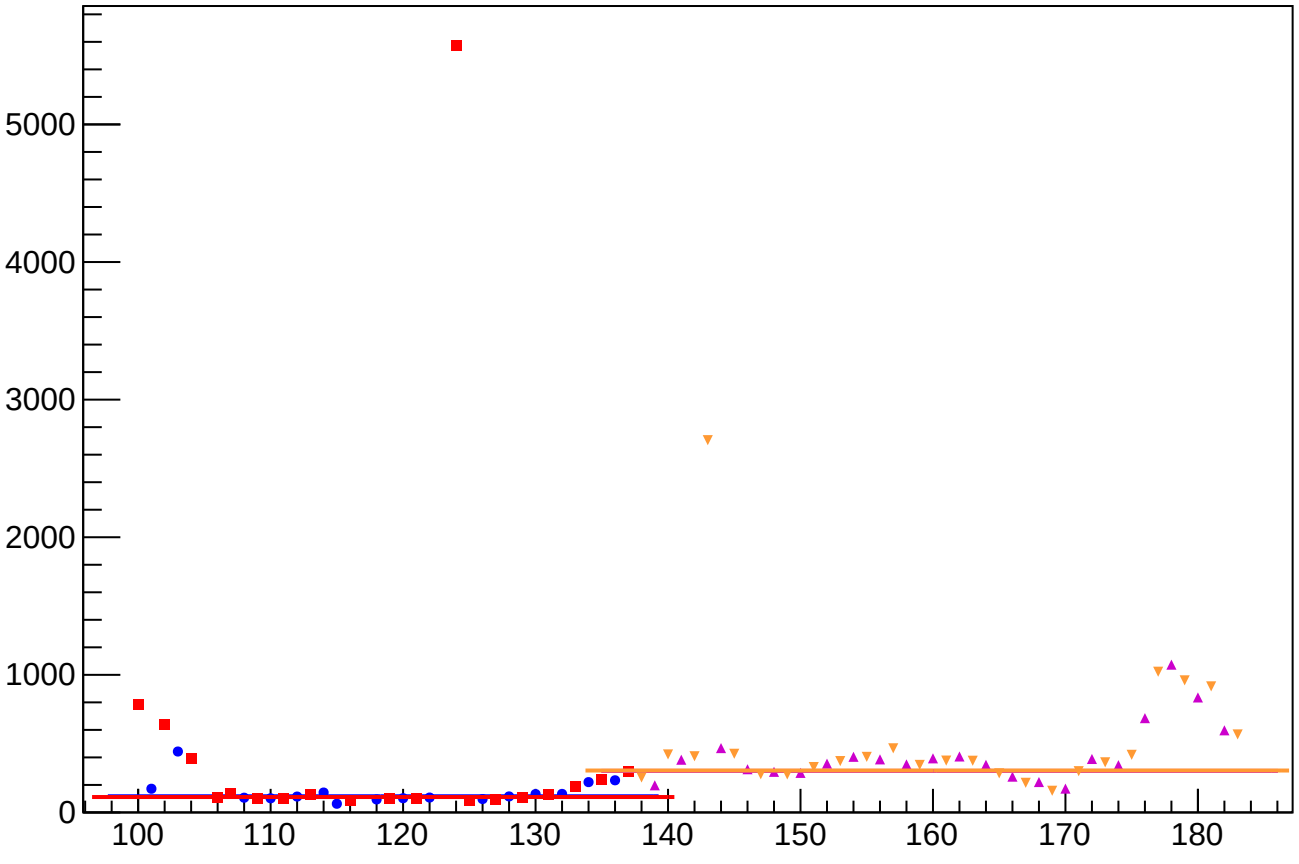
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.055+/-0.078 χ^2/NDF:26.0/21

+ sign 0.019+/-0.041 χ^2/NDF: 41.8/39

All: 0.012+/-0.029 χ^2/NDF: 90.7/80

- sign 0.004+/-0.040 χ^2/NDF: 48.9/40



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 304.733+/-0.055 χ^2/NDF:6558762.4/23

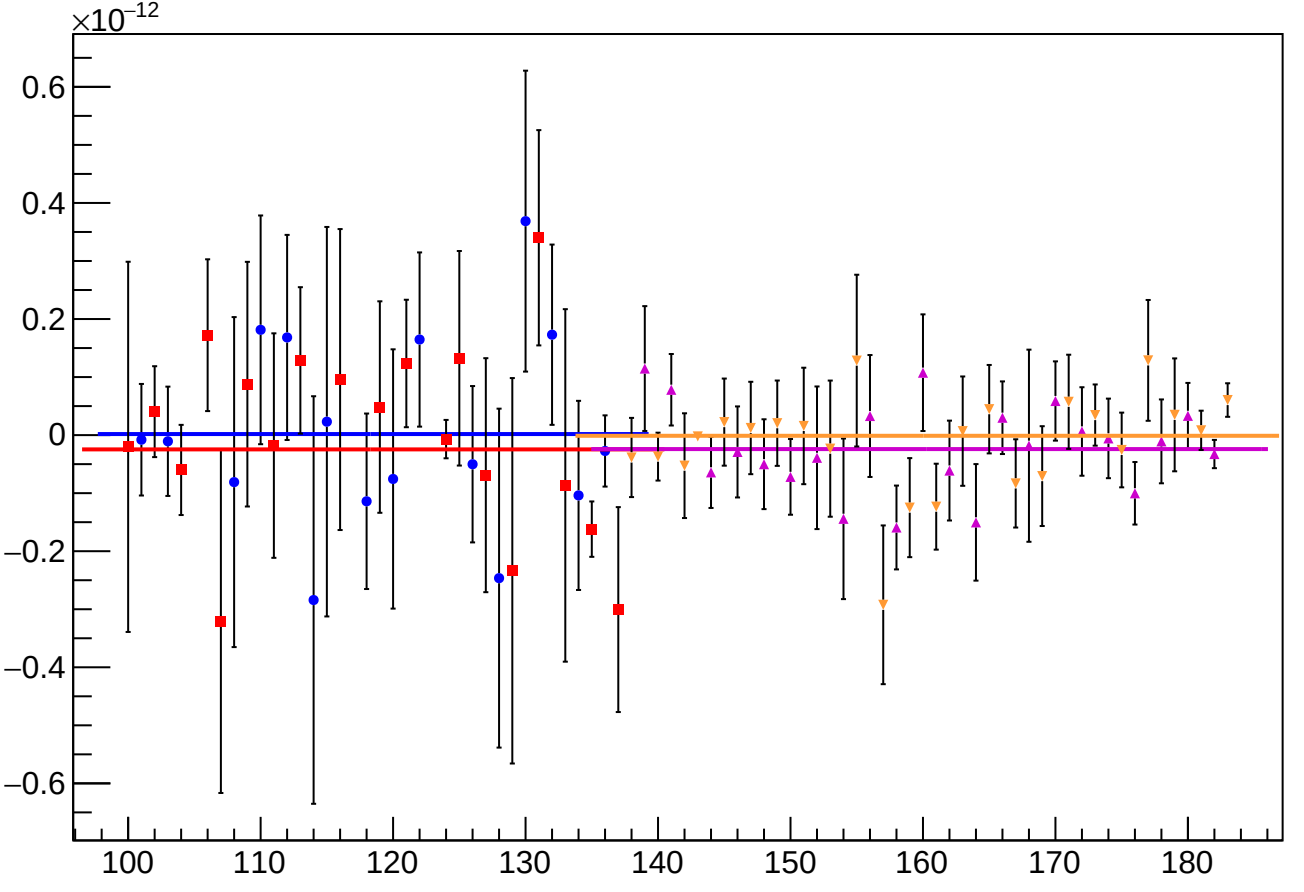
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 301.854+/-0.055 χ^2/NDF:4709840.8/21

+ sign 168.694+/-0.029 χ^2/NDF: 16607698.2/39

All: 165.711+/-0.020 χ^2/NDF: 32293965.1/80

- sign 162.835+/-0.028 χ^2/NDF: 15665305.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/23

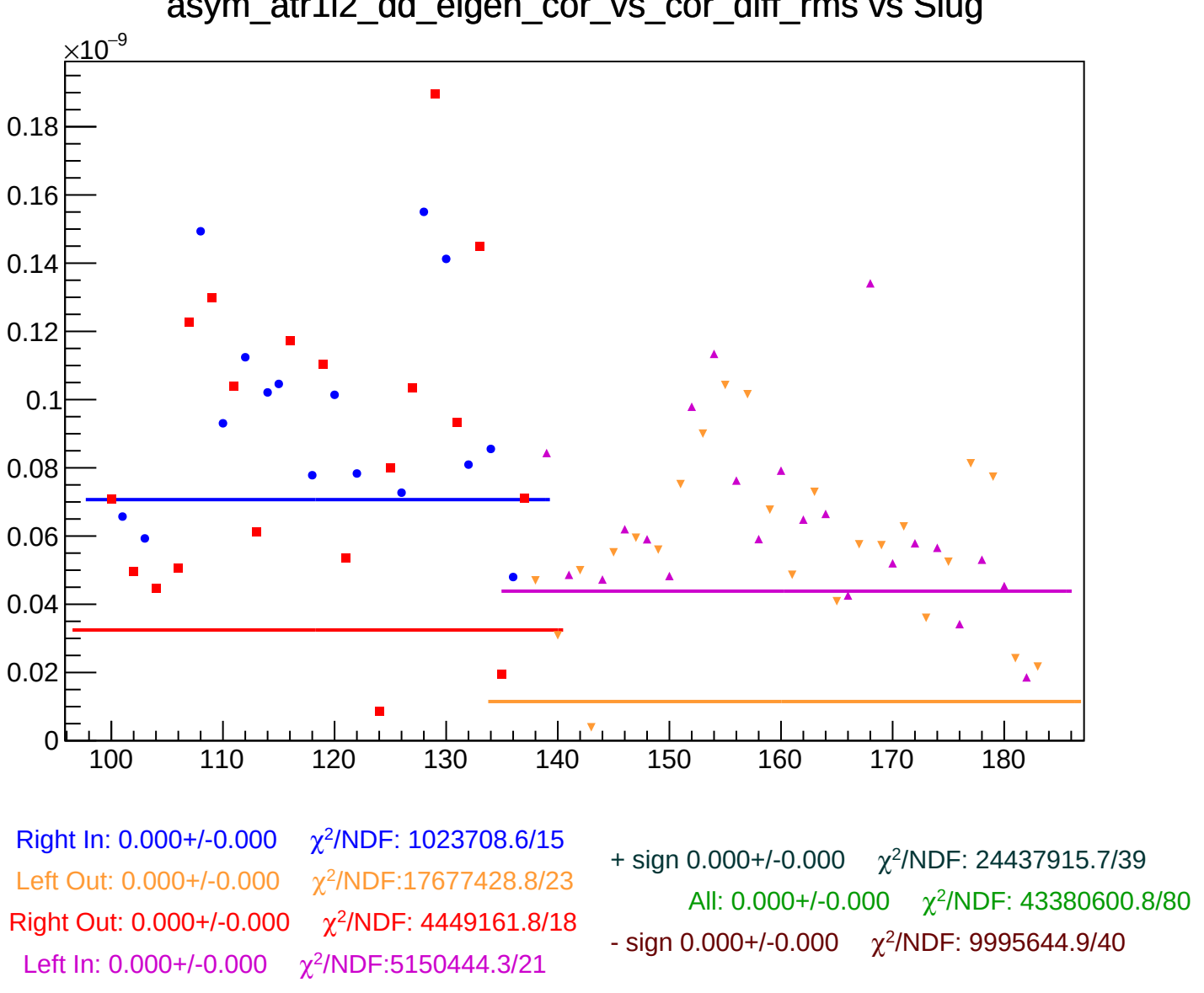
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/21

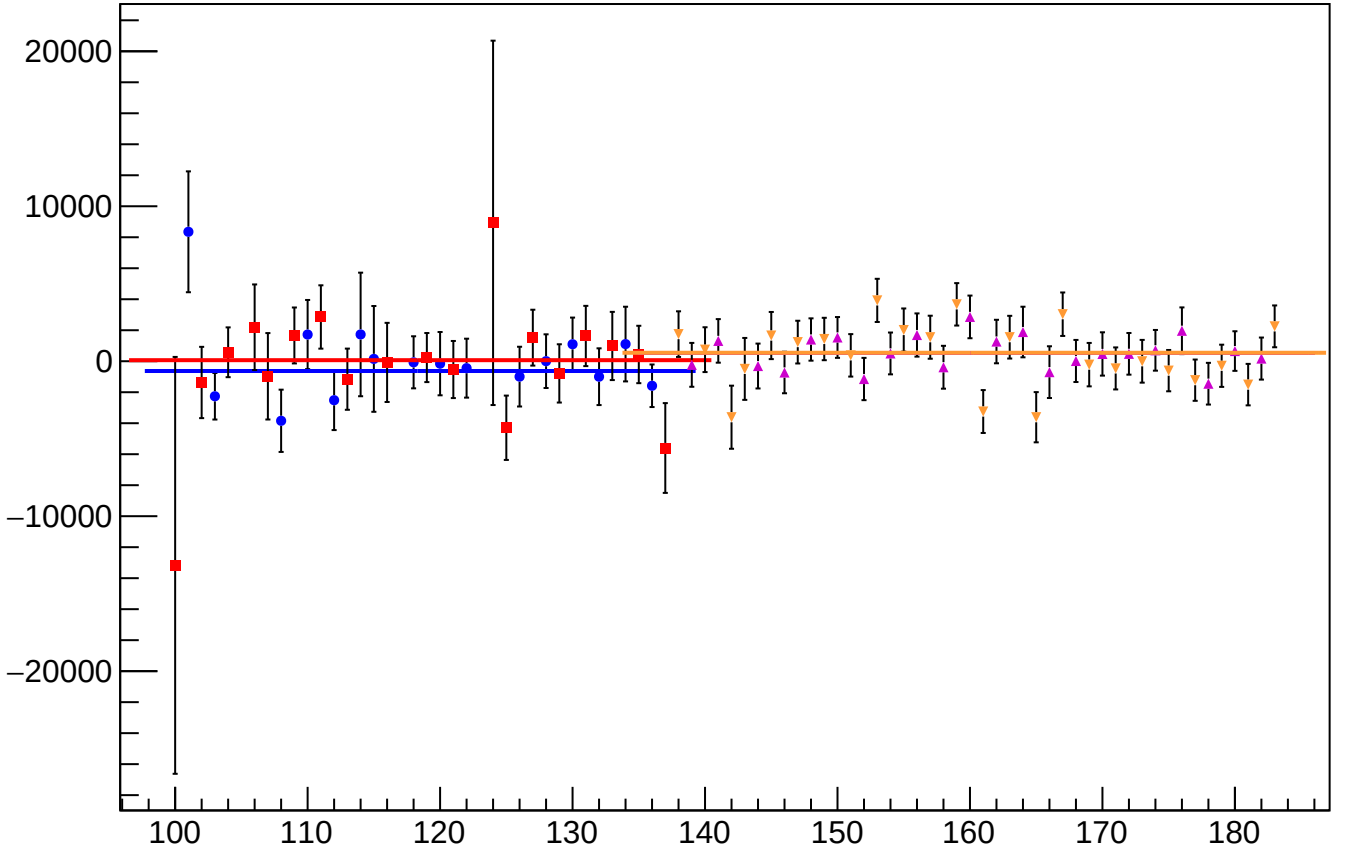
+ sign -0.000+/-0.000 χ^2/NDF: 30.6/39

All: -0.000+/-0.000 χ^2/NDF: 77.2/80

- sign -0.000+/-0.000 χ^2/NDF: 43.4/40


asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:17677428.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:5150444.3/21
+ sign 0.000+/-0.000 χ²/NDF: 24437915.7/39
All: 0.000+/-0.000 χ²/NDF: 43380600.8/80
- sign 0.000+/-0.000 χ²/NDF: 9995644.9/40

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.182+/-290.725 χ^2/NDF:44.7/23

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

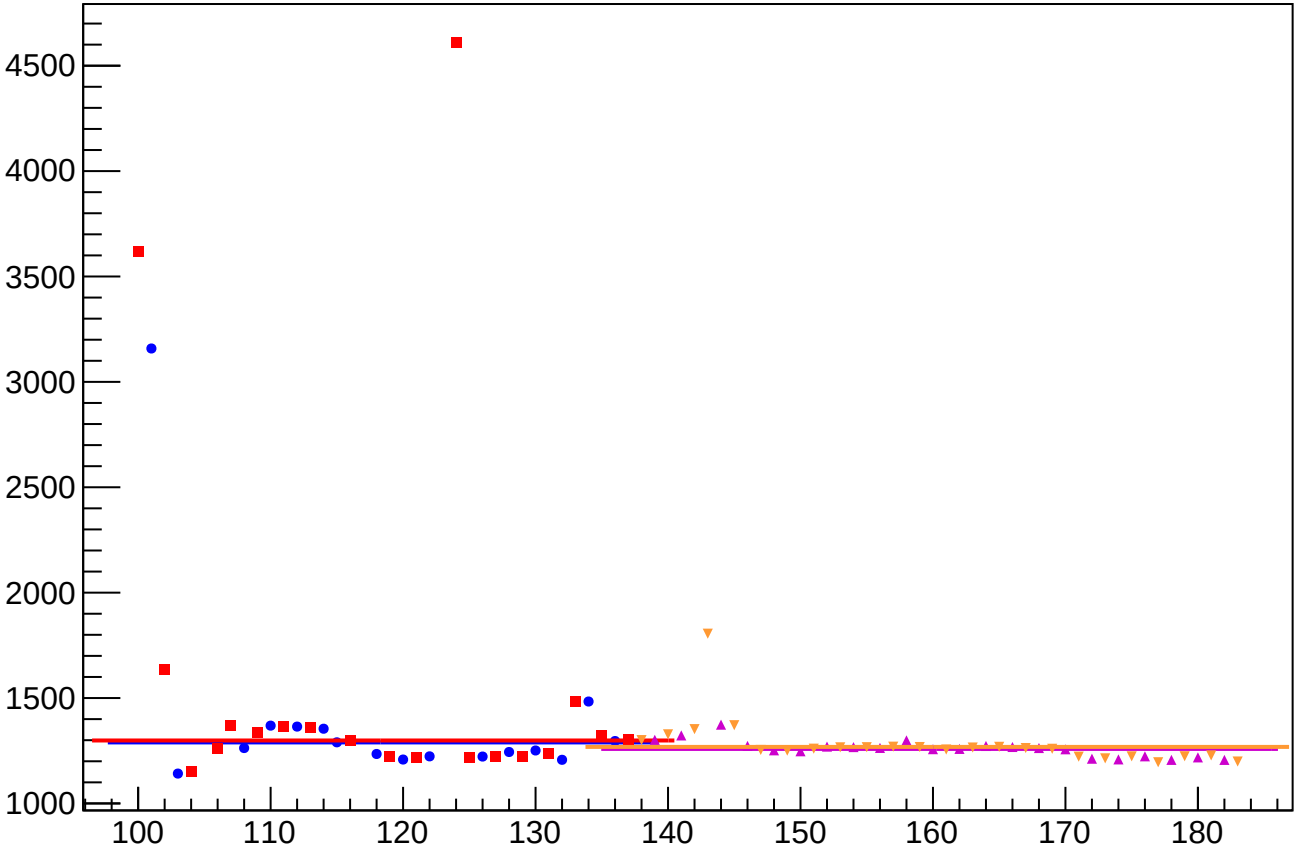
Left In: 531.379+/-296.419 χ^2/NDF:13.2/21

+ sign 237.691+/-249.851 χ^2/NDF: 62.9/39

All: 320.839+/-177.882 χ^2/NDF: 92.8/80

- sign 406.306+/-253.311 χ^2/NDF: 29.7/40

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.5/23

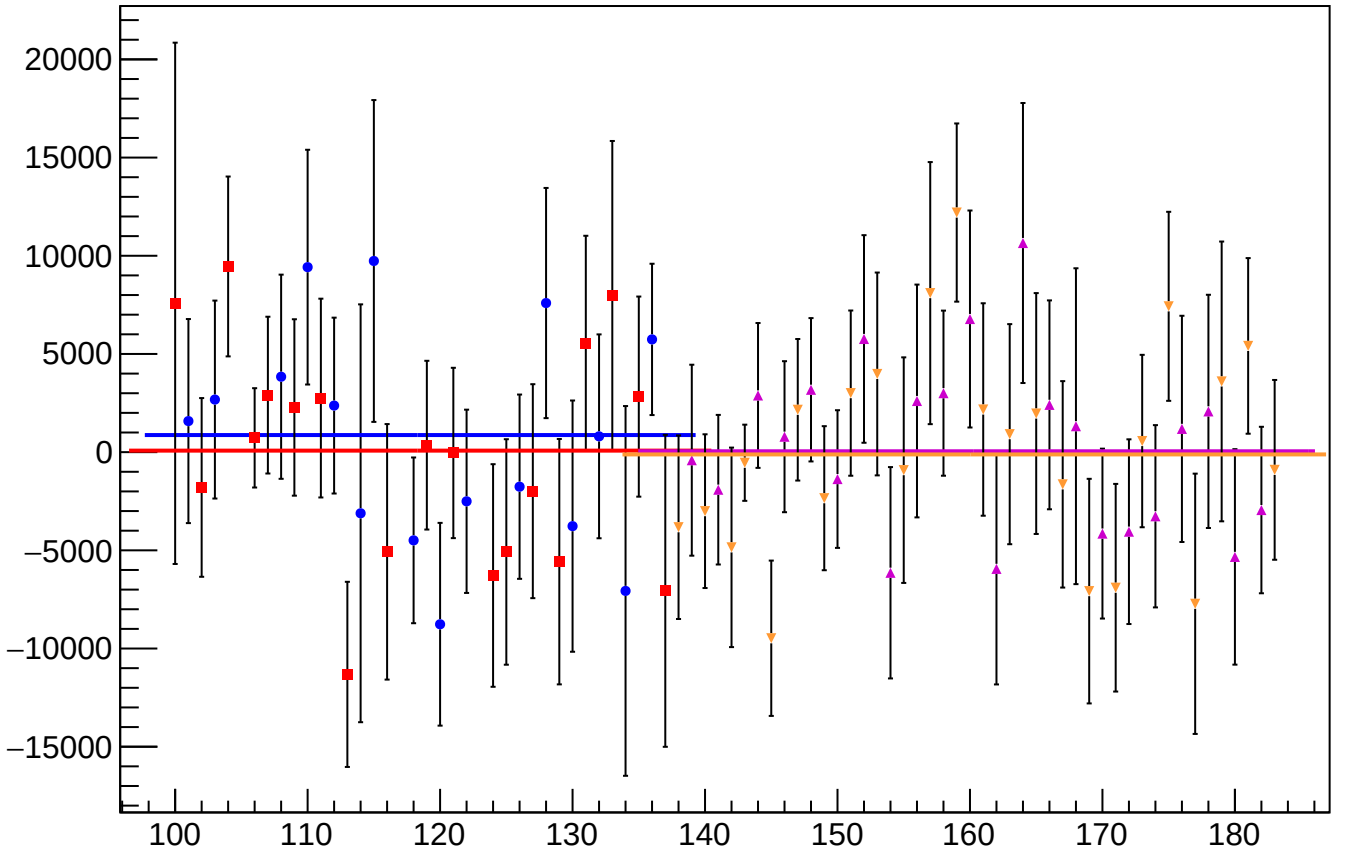
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

+ sign 1273.747+/-0.177 χ^2/NDF: 702735.6/39

All: 1271.612+/-0.126 χ^2/NDF: 1067804.1/80

- sign 1269.422+/-0.179 χ^2/NDF: 364772.7/40



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -115.787+/-892.046 χ^2/NDF:27.7/23

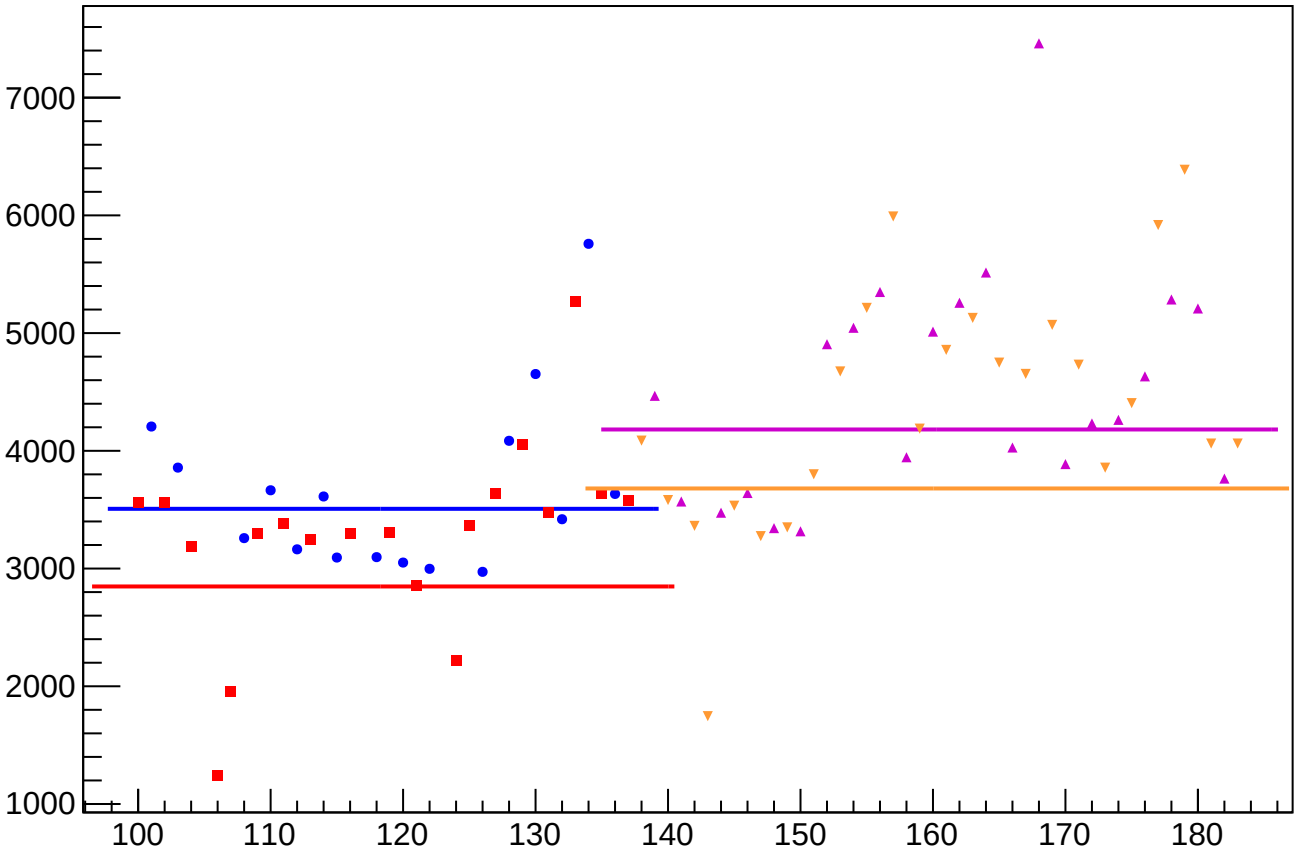
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 44.515+/-1005.631 χ^2/NDF:13.8/21

+ sign 191.673+/-740.022 χ^2/NDF: 42.1/39

All: 125.977+/-525.231 χ^2/NDF: 74.3/80

- sign 59.289+/-745.587 χ^2/NDF: 32.1/40



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3680.236+/-0.631 χ^2/NDF:3689489.6/23

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

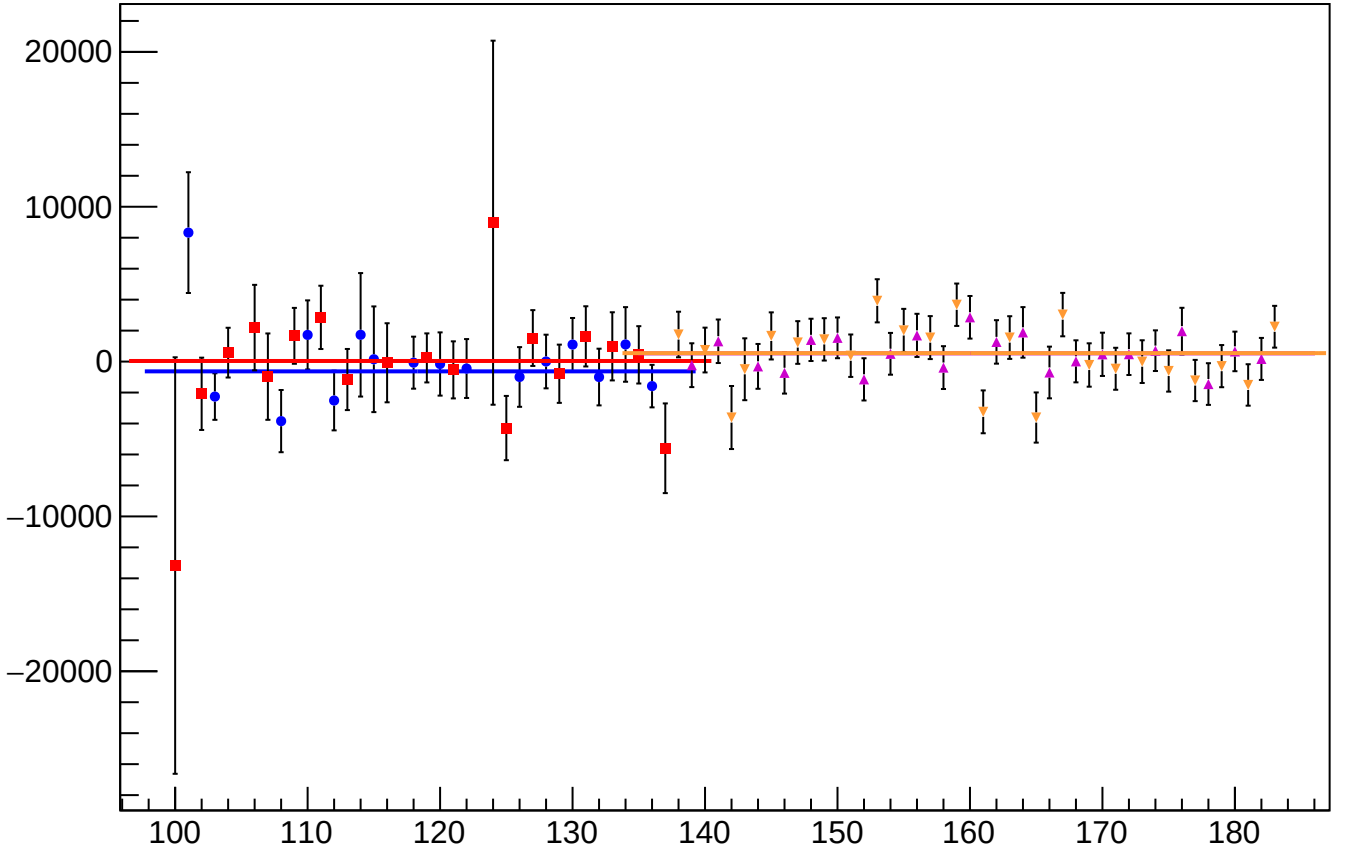
Left In: 4181.302+/-0.711 χ^2/NDF:1269136.5/21

+ sign 3626.345+/-0.523 χ^2/NDF: 4066879.3/39

All: 3603.757+/-0.371 χ^2/NDF: 8422683.4/80

- sign 3580.829+/-0.527 χ^2/NDF: 4352049.5/40

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

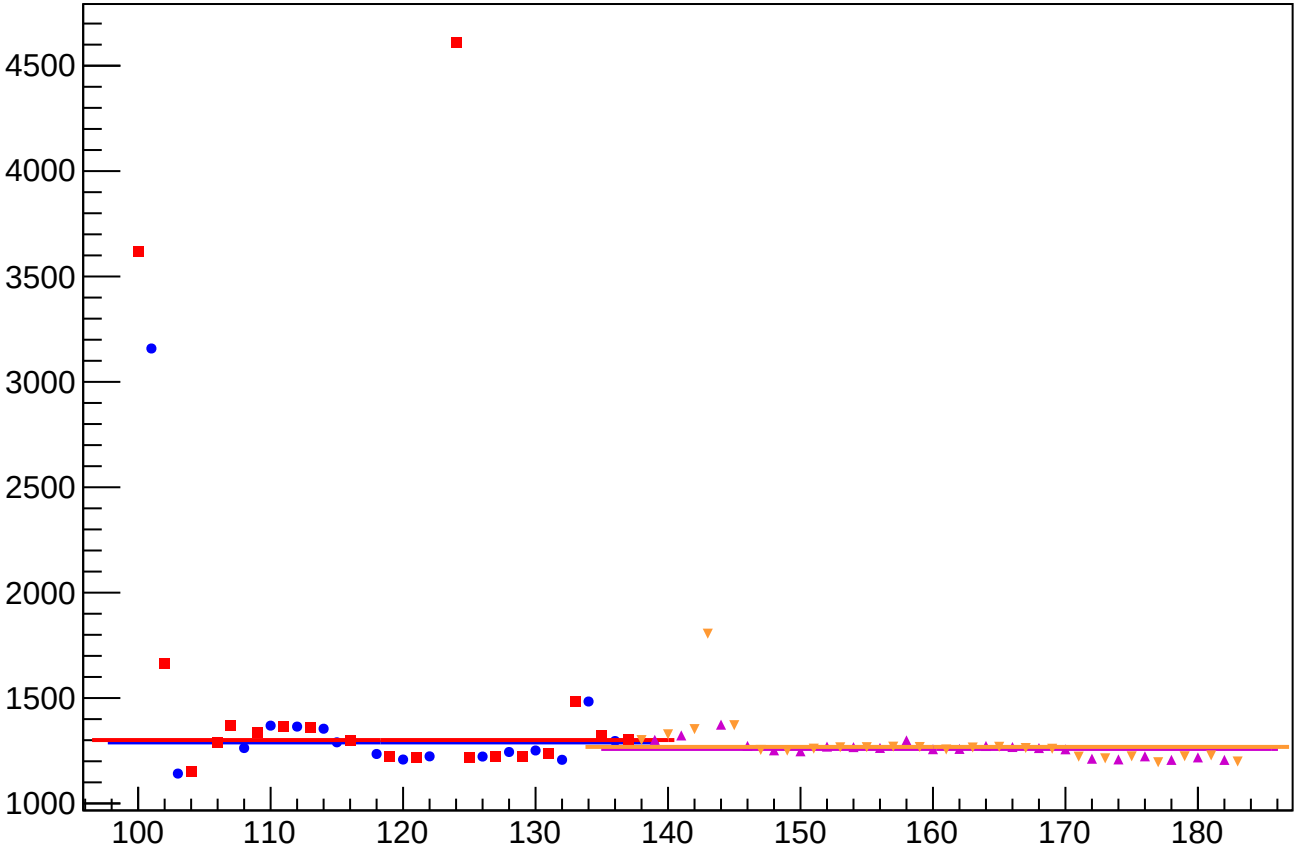
Left In: 531.298+/-296.419 χ^2/NDF:13.2/21

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 316.957+/-177.898 χ^2/NDF: 93.3/80

- sign 398.549+/-253.356 χ^2/NDF: 30.2/40

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

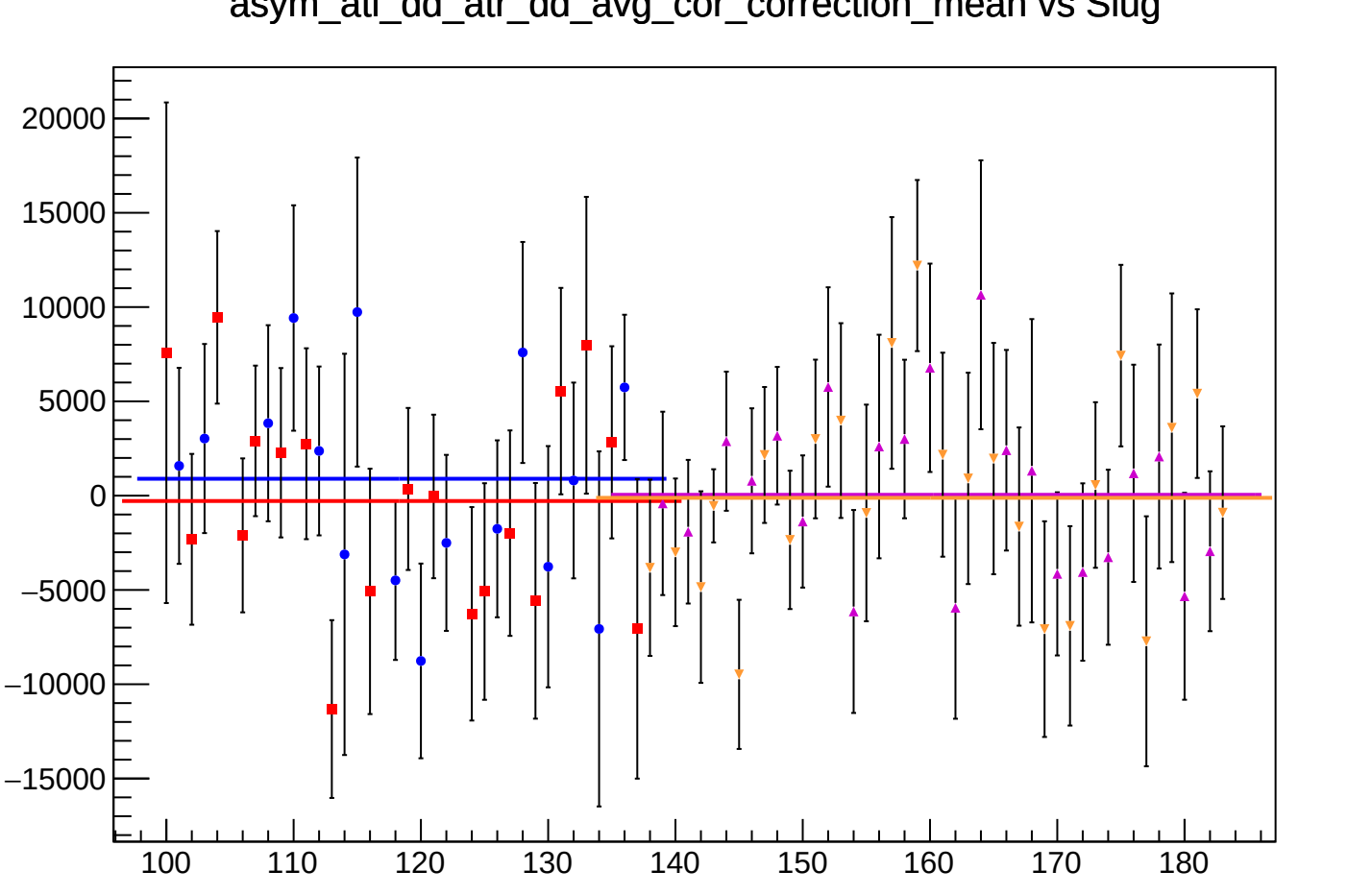
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80

- sign 1269.947+/-0.179 χ^2/NDF: 372310.3/40



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

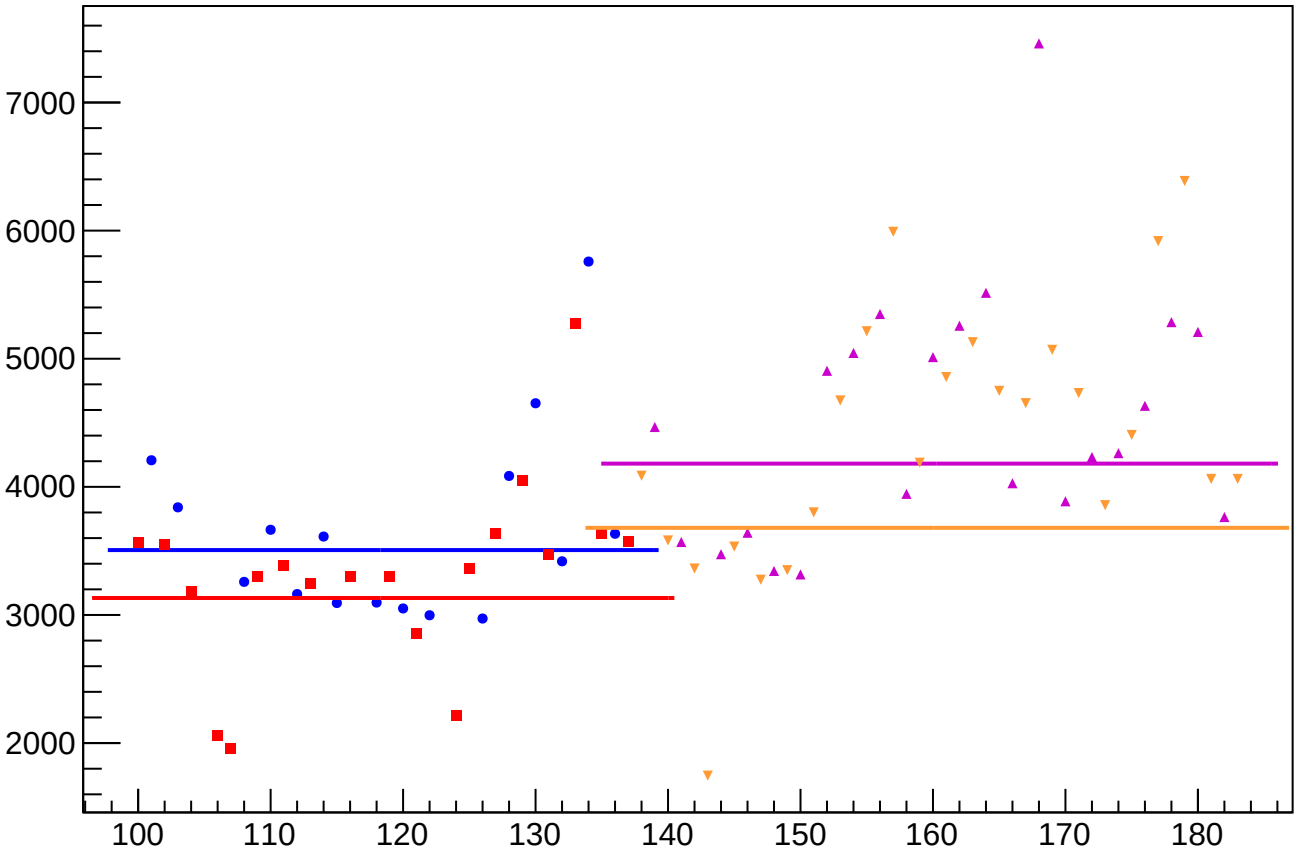
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 44.524+/-1005.630 χ^2/NDF:13.8/21

+ sign 199.889+/-739.942 χ^2/NDF: 42.2/39

All: 58.438+/-532.276 χ^2/NDF: 74.7/80

- sign -93.249+/-766.250 χ^2/NDF: 32.4/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

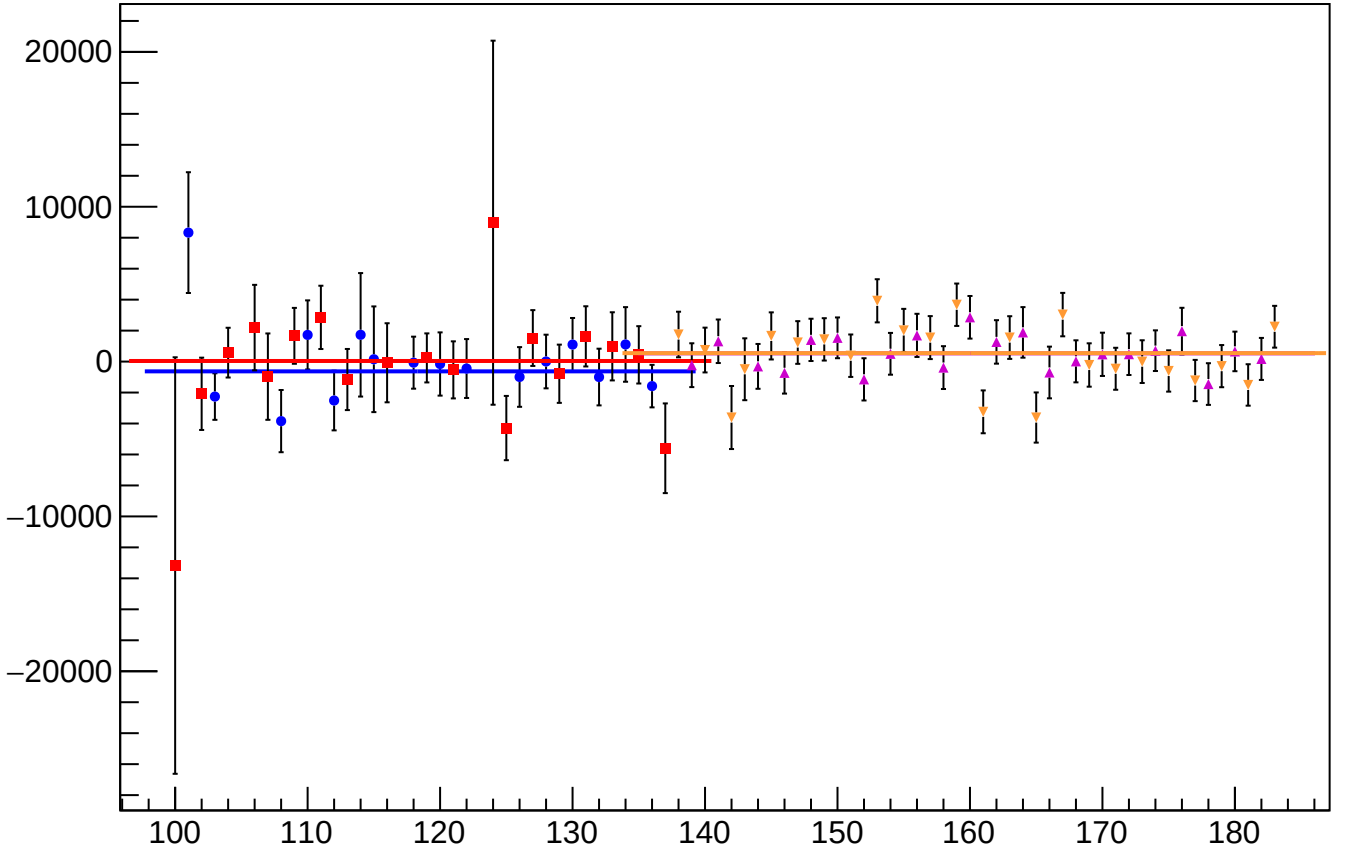
Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

\+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80

\- sign 3741.450+/-0.542 χ^2/NDF: 2830988.2/40

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

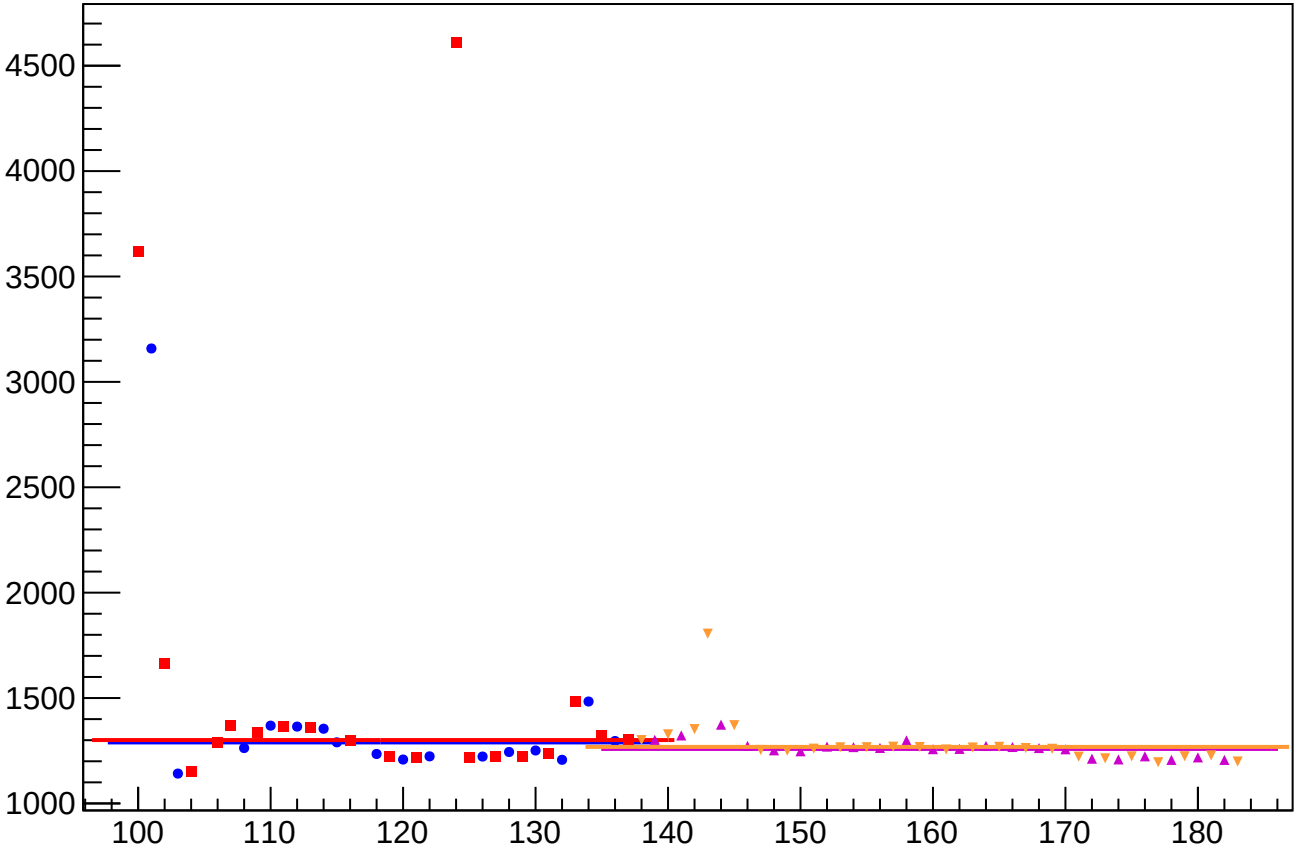
Left In: 531.298+/-296.419 χ^2/NDF:13.2/21

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 316.957+/-177.898 χ^2/NDF: 93.3/80

- sign 398.549+/-253.356 χ^2/NDF: 30.2/40

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

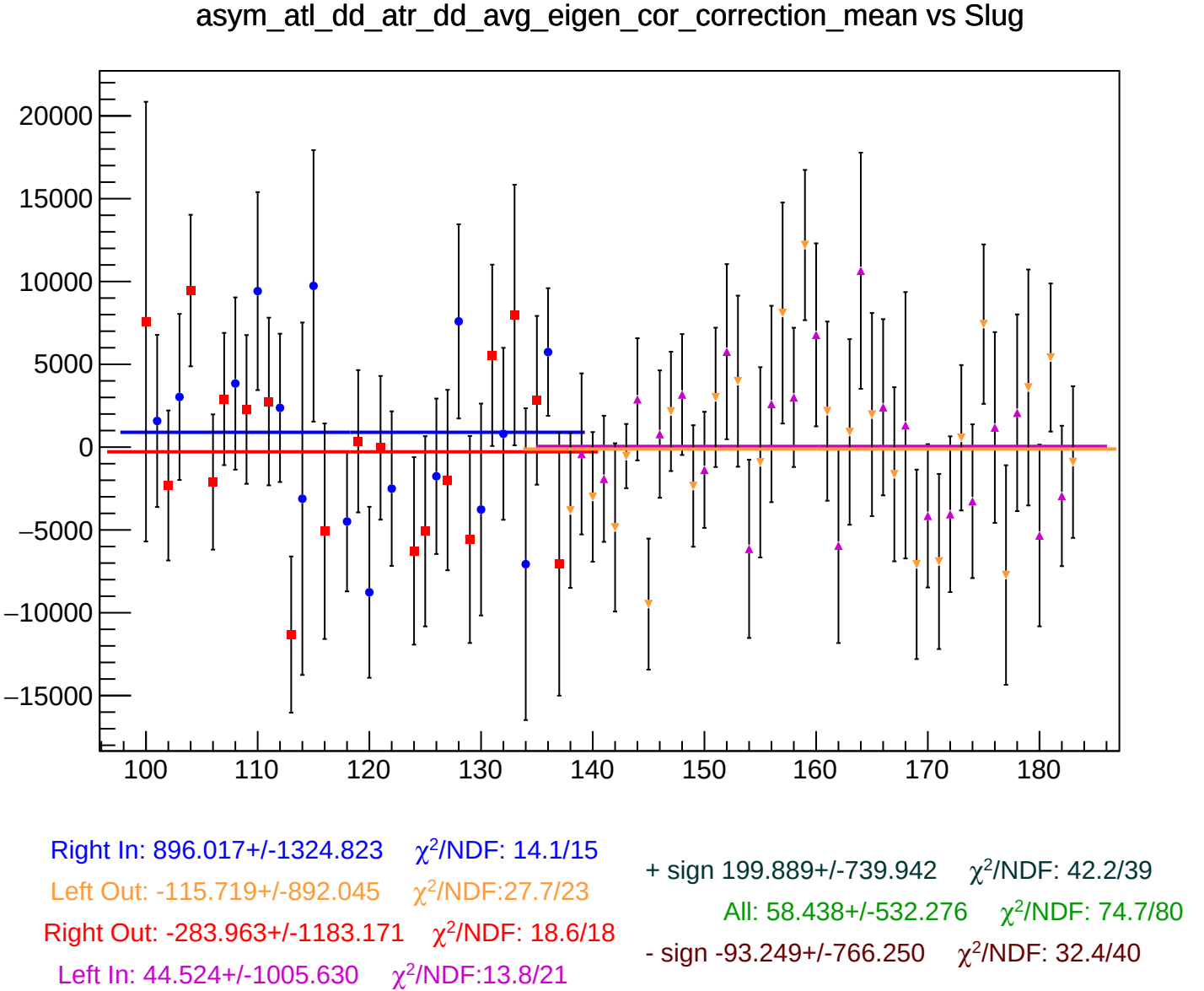
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

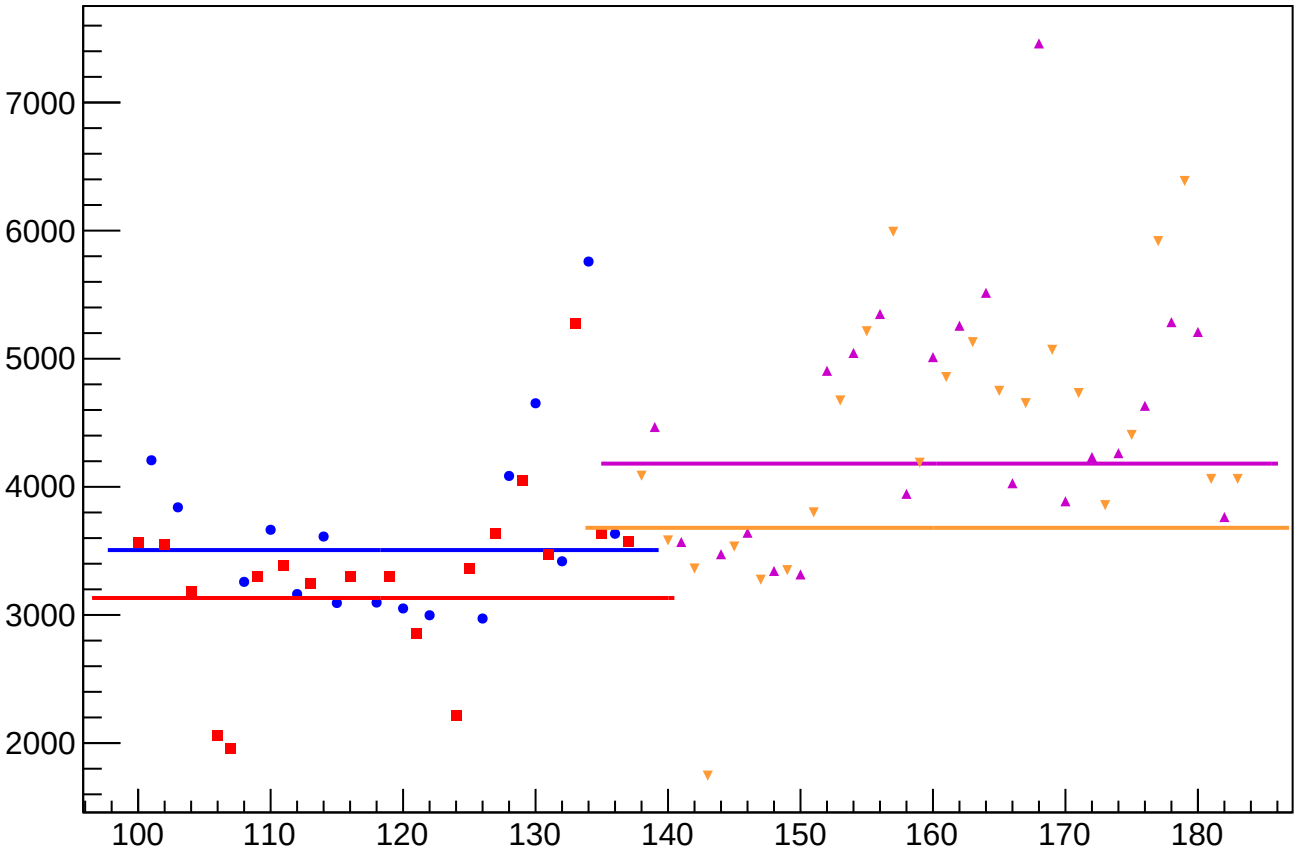
Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80

- sign 1269.947+/-0.179 χ^2/NDF: 372310.3/40


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -115.719+/-892.045 χ²/NDF:27.7/23
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 44.524+/-1005.630 χ²/NDF:13.8/21
+ sign 199.889+/-739.942 χ²/NDF: 42.2/39
All: 58.438+/-532.276 χ²/NDF: 74.7/80
- sign -93.249+/-766.250 χ²/NDF: 32.4/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

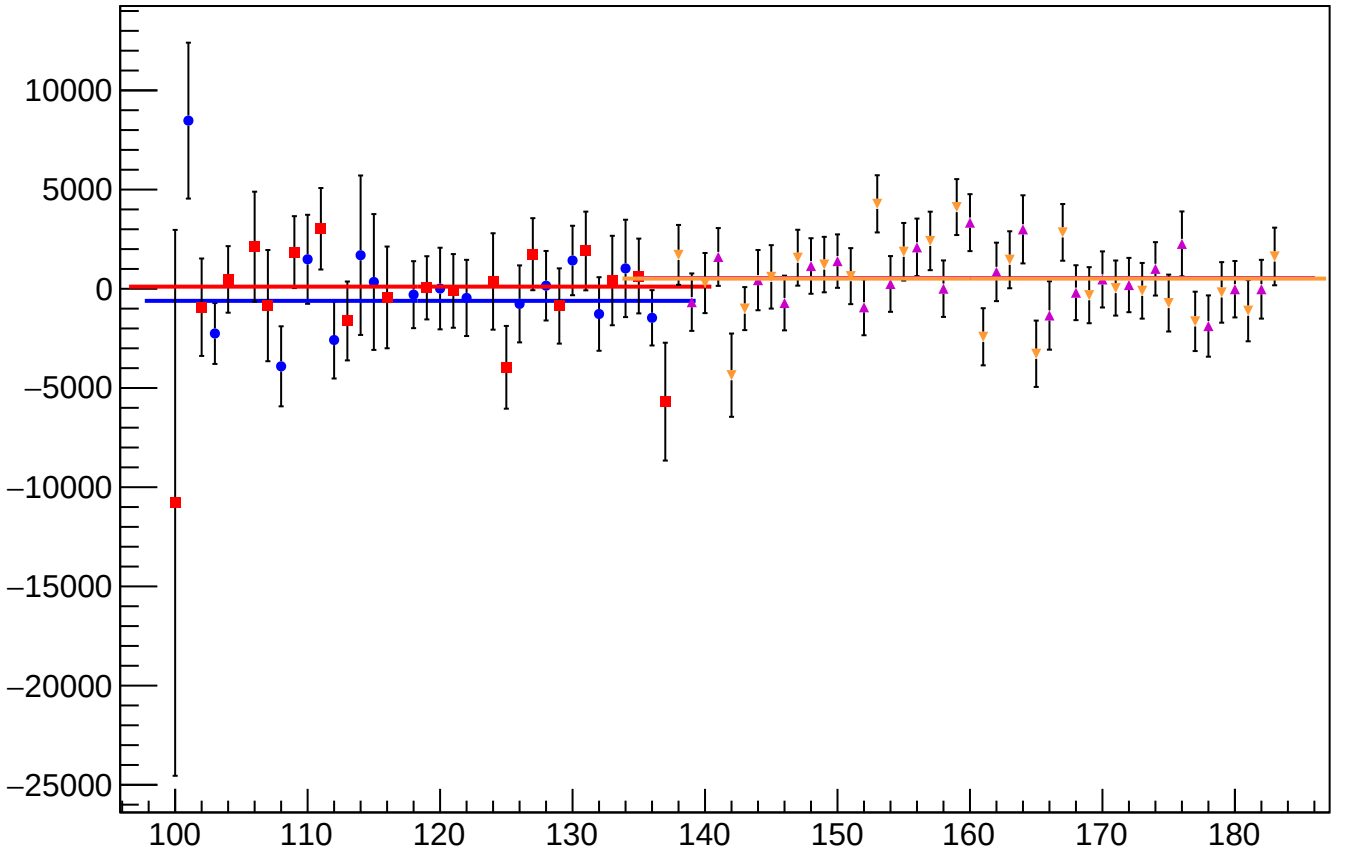
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80

- sign 3741.450+/-0.542 χ^2/NDF: 2830988.2/40



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.229+/-296.438 χ^2/NDF:42.4/23

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

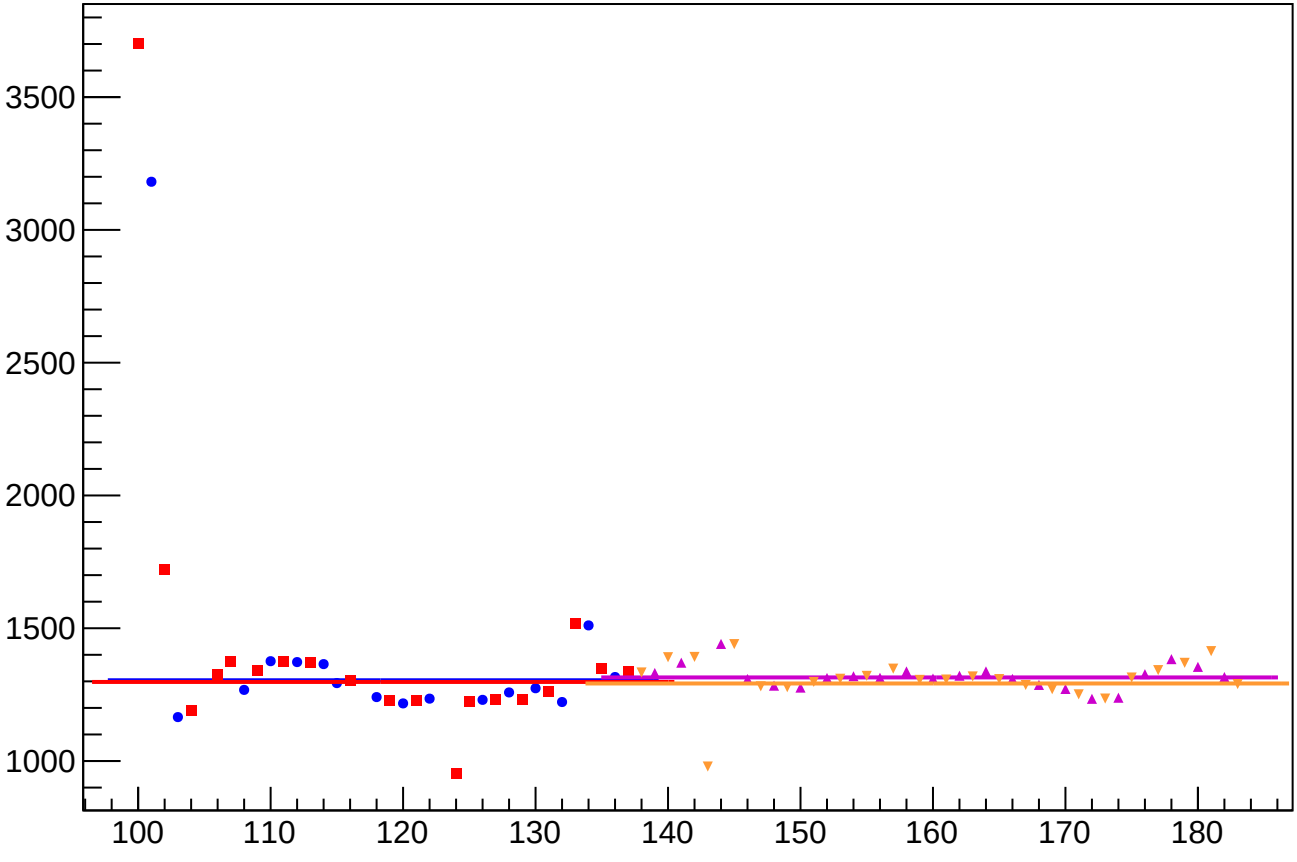
Left In: 542.806+/-309.764 χ^2/NDF:16.5/21

+ sign 217.318+/-254.210 χ^2/NDF: 60.3/39

All: 314.573+/-182.156 χ^2/NDF: 92.6/80

- sign 417.209+/-261.147 χ^2/NDF: 31.9/40

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.005+/-0.210 χ^2/NDF:229756.3/23

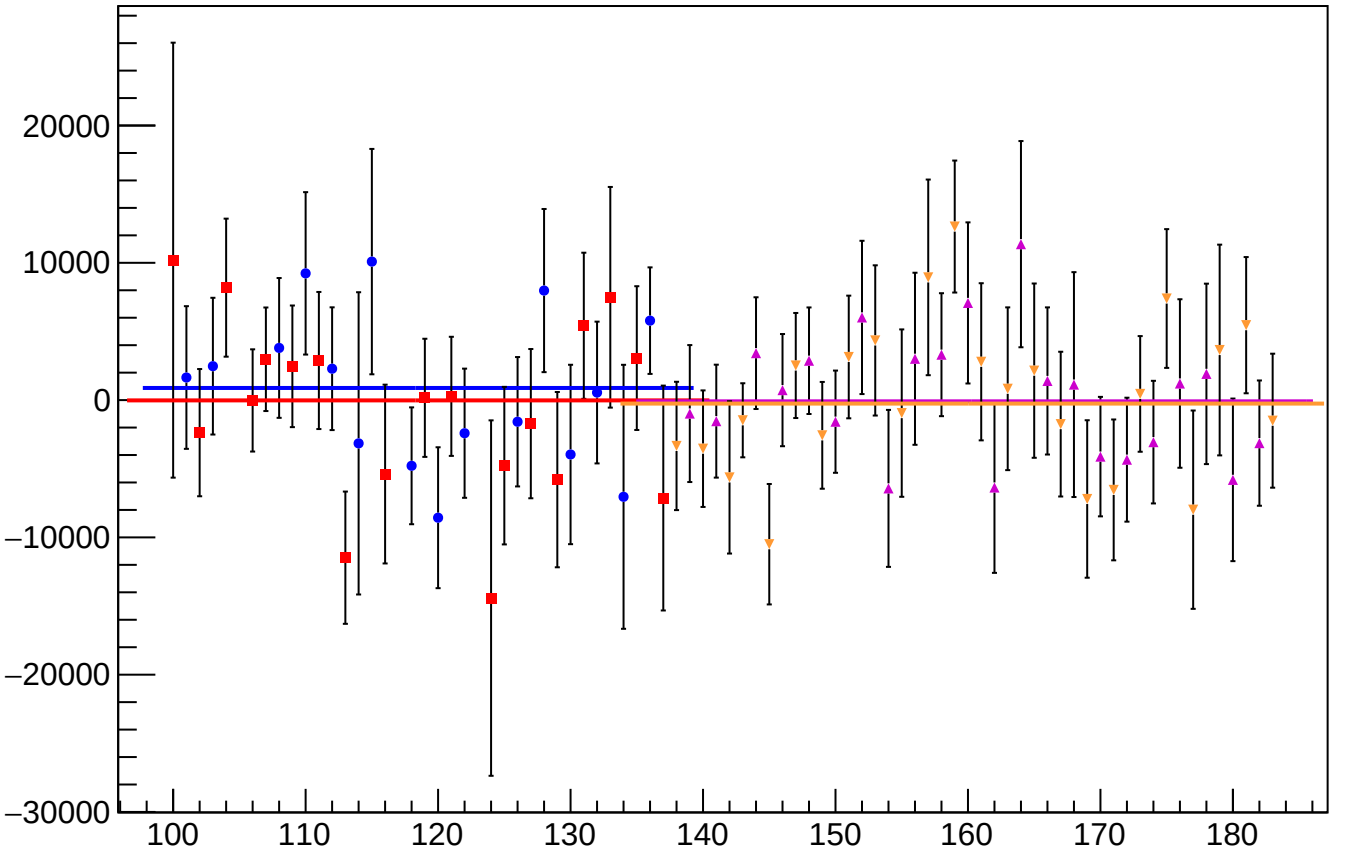
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.793+/-0.219 χ^2/NDF:42303.0/21

+ sign 1295.206+/-0.180 χ^2/NDF: 741227.2/39

All: 1302.343+/-0.129 χ^2/NDF: 1001609.9/80

- sign 1309.871+/-0.185 χ^2/NDF: 257143.5/40



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -254.197+/-983.675 χ^2/NDF:27.3/23

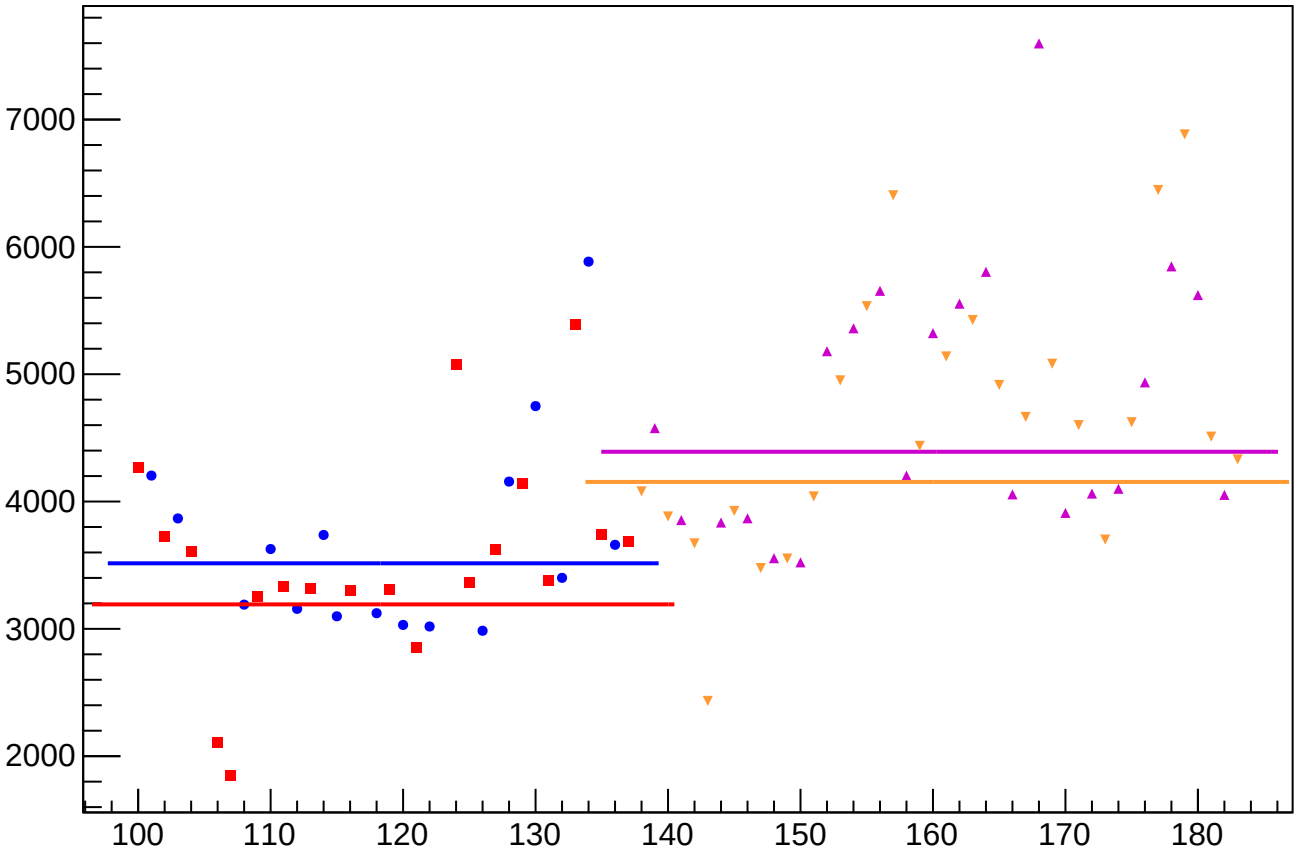
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -89.972+/-1055.954 χ^2/NDF:13.6/21

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 45.104+/-559.694 χ^2/NDF: 72.3/80

- sign -59.733+/-792.738 χ^2/NDF: 30.4/40



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

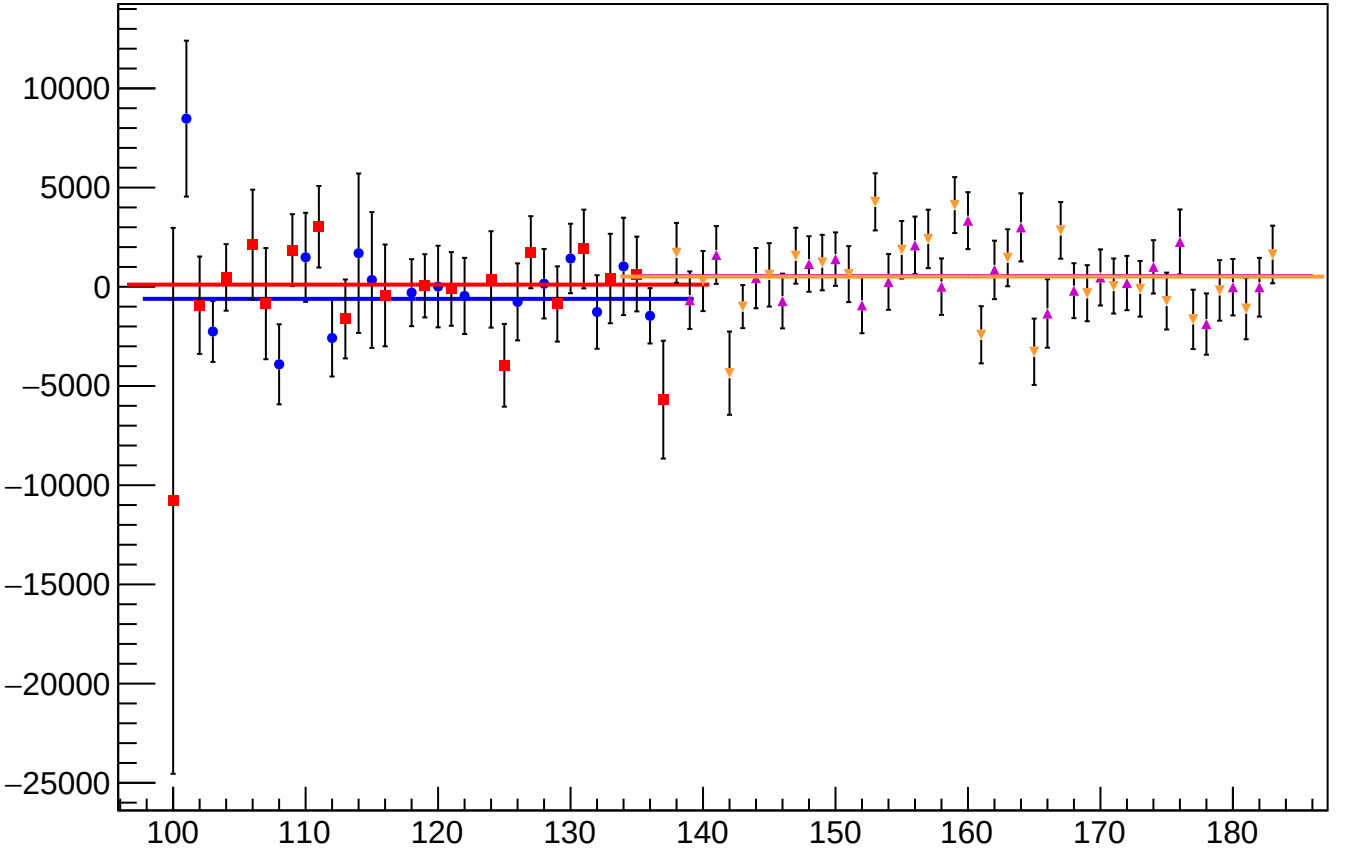
Left In: 4390.854+/-0.747 χ^2/NDF:1251583.3/21

+ sign 3927.415+/-0.559 χ^2/NDF: 2754274.0/39

All: 3897.679+/-0.396 χ^2/NDF: 5908668.6/80

- sign 3867.761+/-0.561 χ^2/NDF: 3148714.6/40

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.232+/-296.438 χ^2/NDF:42.4/23

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

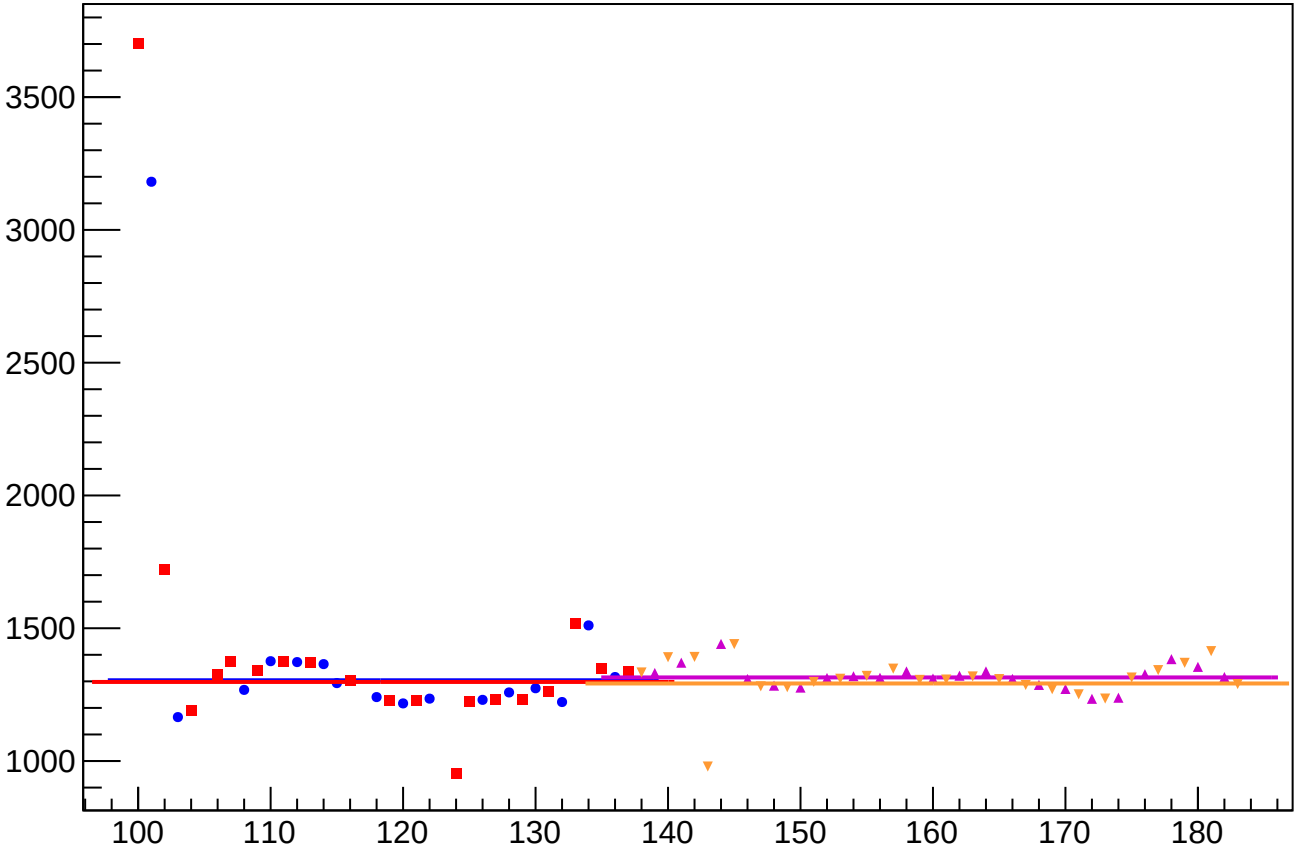
Left In: 542.806+/-309.764 χ^2/NDF:16.5/21

\+ sign 217.319+/-254.210 χ^2/NDF: 60.3/39

All: 314.575+/-182.157 χ^2/NDF: 92.6/80

\- sign 417.211+/-261.147 χ^2/NDF: 31.9/40

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.006+/-0.210 χ^2/NDF:229758.9/23

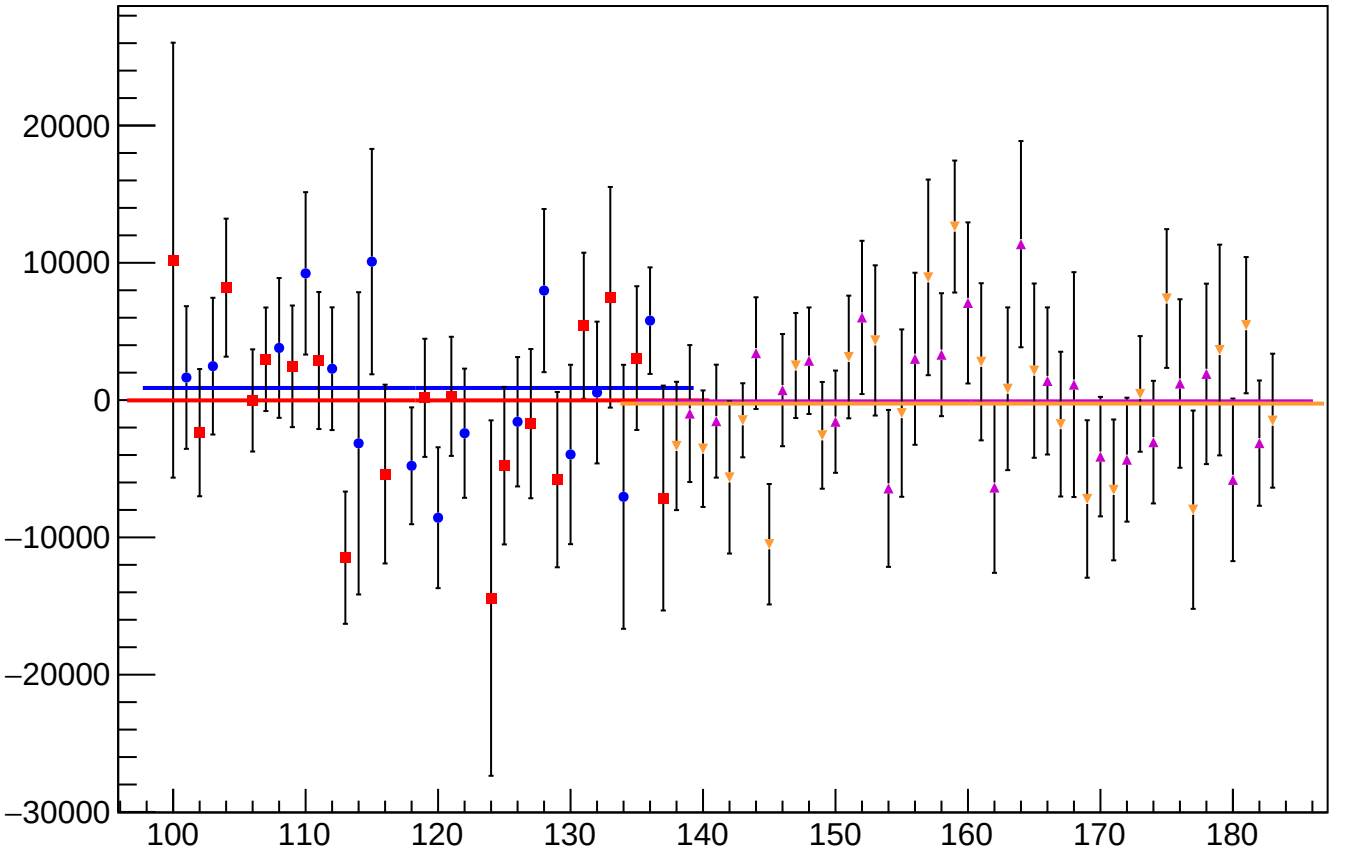
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.794+/-0.219 χ^2/NDF:42305.1/21

+ sign 1295.207+/-0.180 χ^2/NDF: 741229.6/39

All: 1302.344+/-0.129 χ^2/NDF: 1001614.9/80

- sign 1309.872+/-0.185 χ^2/NDF: 257146.0/40



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

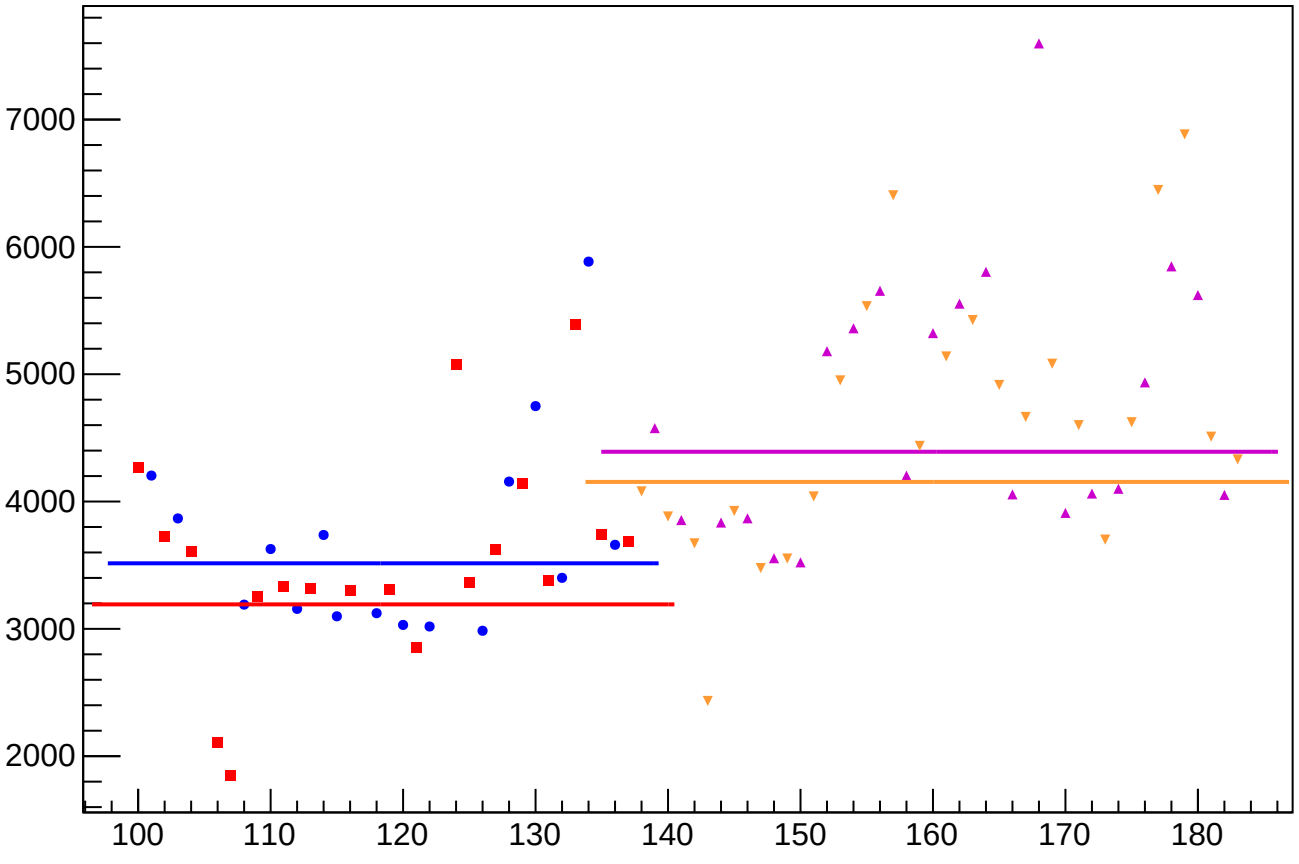
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -89.973+/-1055.956 χ^2/NDF:13.6/21

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 45.105+/-559.694 χ^2/NDF: 72.3/80

- sign -59.732+/-792.738 χ^2/NDF: 30.4/40



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4154.044+/-0.696 χ^2/NDF:2079744.9/23

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

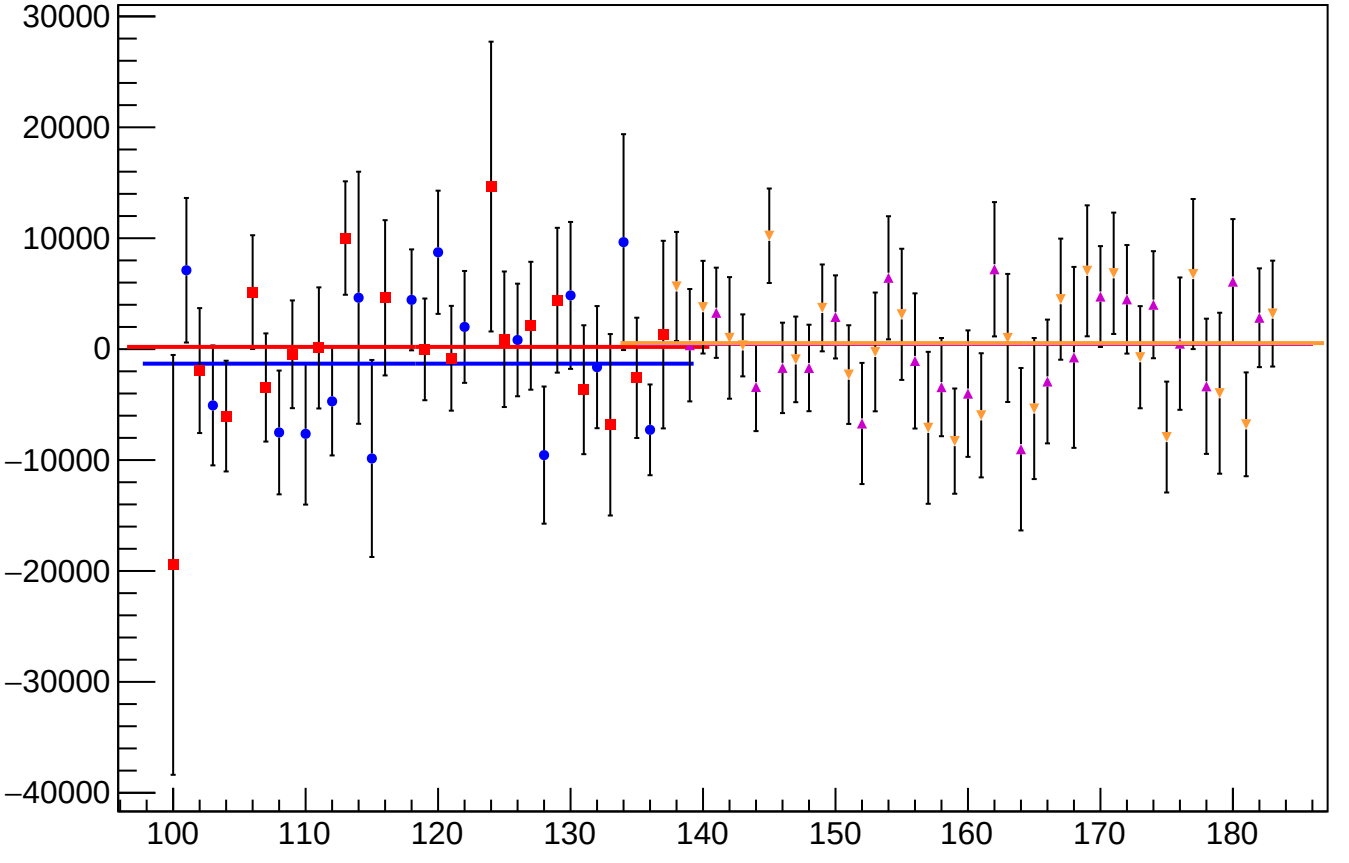
Left In: 4390.861+/-0.747 χ^2/NDF:1251587.6/21

+ sign 3927.415+/-0.559 χ^2/NDF: 2754296.2/39

All: 3897.678+/-0.396 χ^2/NDF: 5908726.3/80

- sign 3867.759+/-0.561 χ^2/NDF: 3148749.7/40

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 544.185+/-986.773 χ^2/NDF:25.2/23

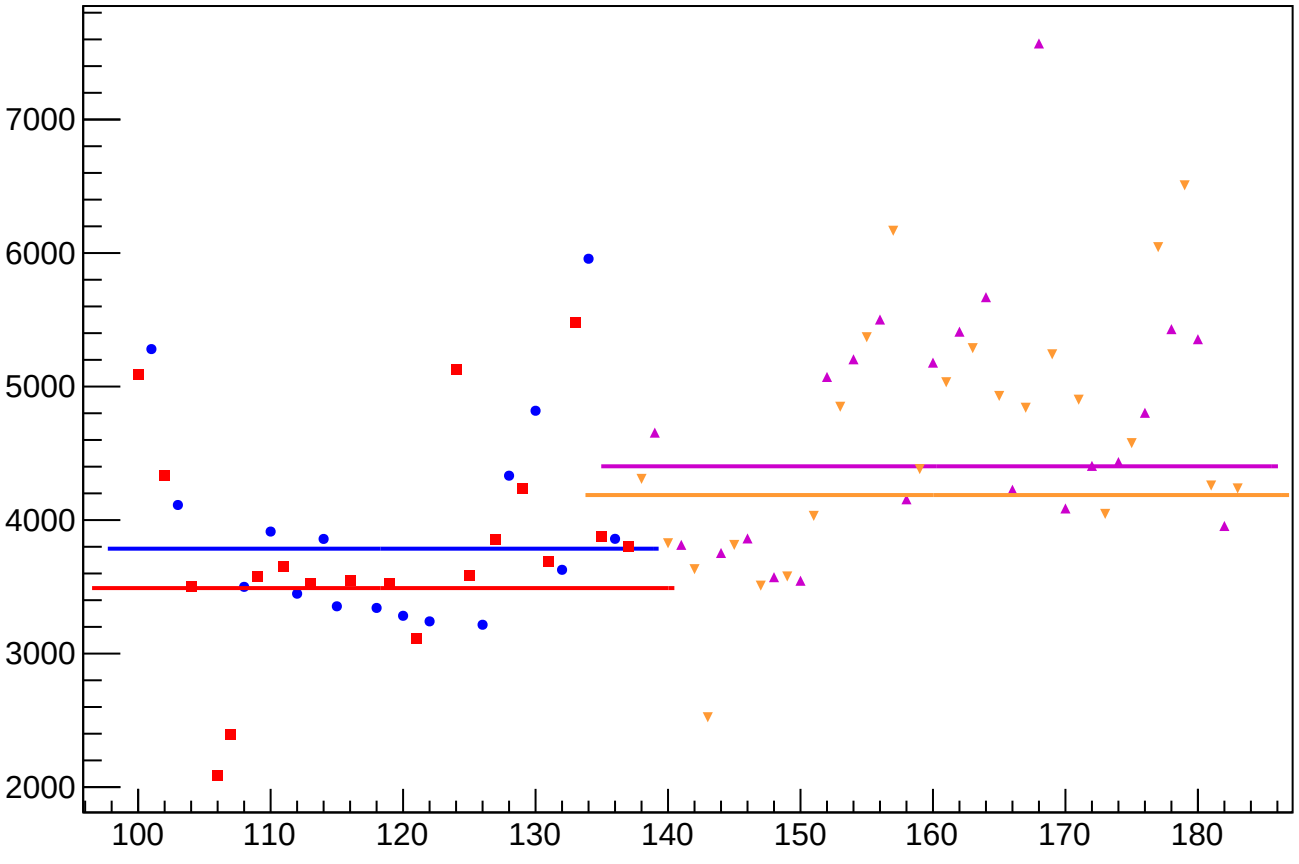
Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 465.712+/-1055.508 χ^2/NDF:13.8/21

+ sign -52.793+/-812.471 χ^2/NDF: 43.9/39

All: 151.706+/-579.996 χ^2/NDF: 69.6/80

- sign 364.216+/-828.232 χ^2/NDF: 25.5/40



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.415+/-0.698 χ^2/NDF:1796318.2/23

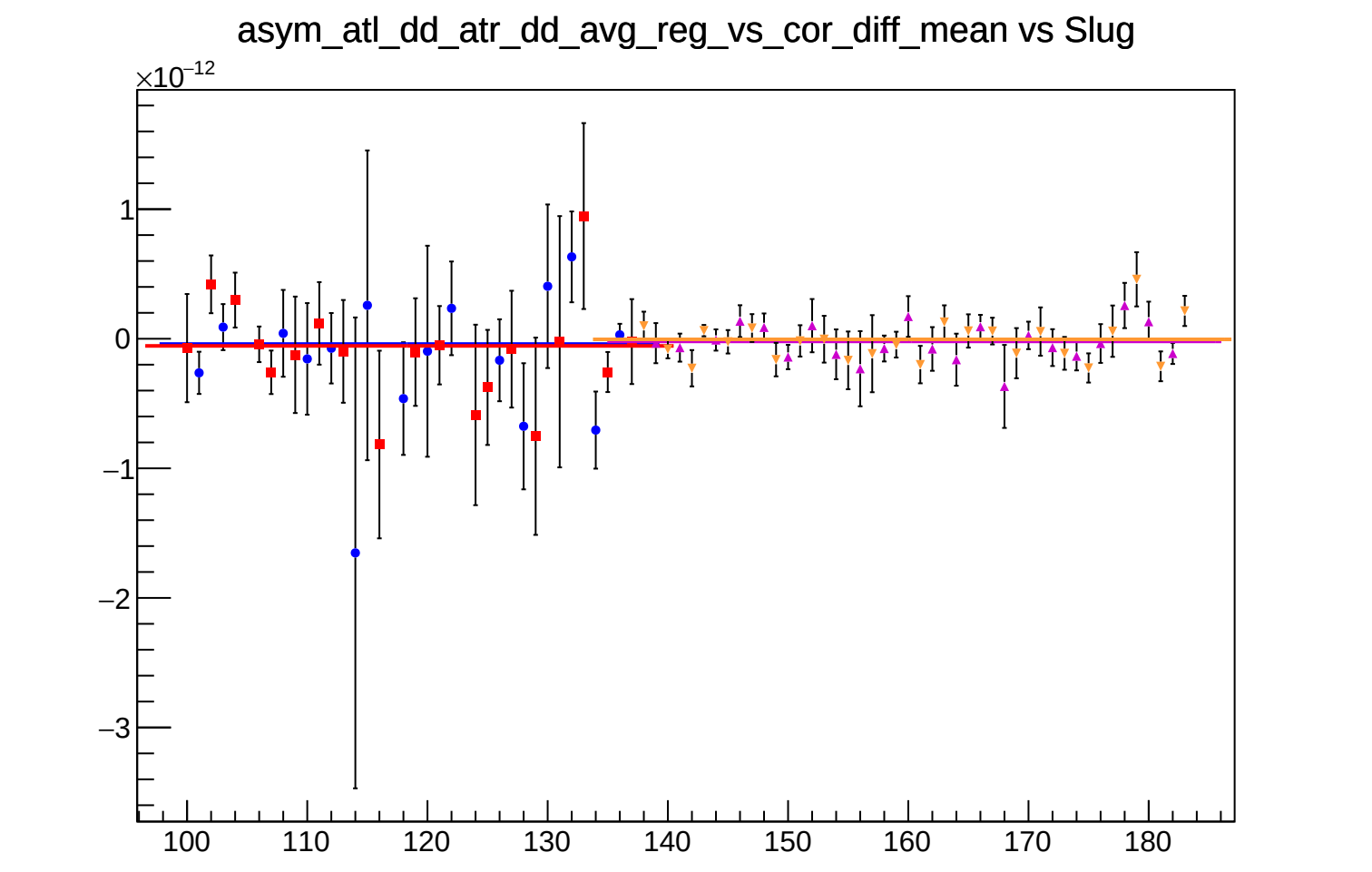
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4402.755+/-0.746 χ^2/NDF:1082128.6/21

+ sign 4058.054+/-0.575 χ^2/NDF: 2286028.2/39

All: 4052.254+/-0.409 χ^2/NDF: 4538771.4/80

- sign 4046.291+/-0.583 χ^2/NDF: 2252536.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/23

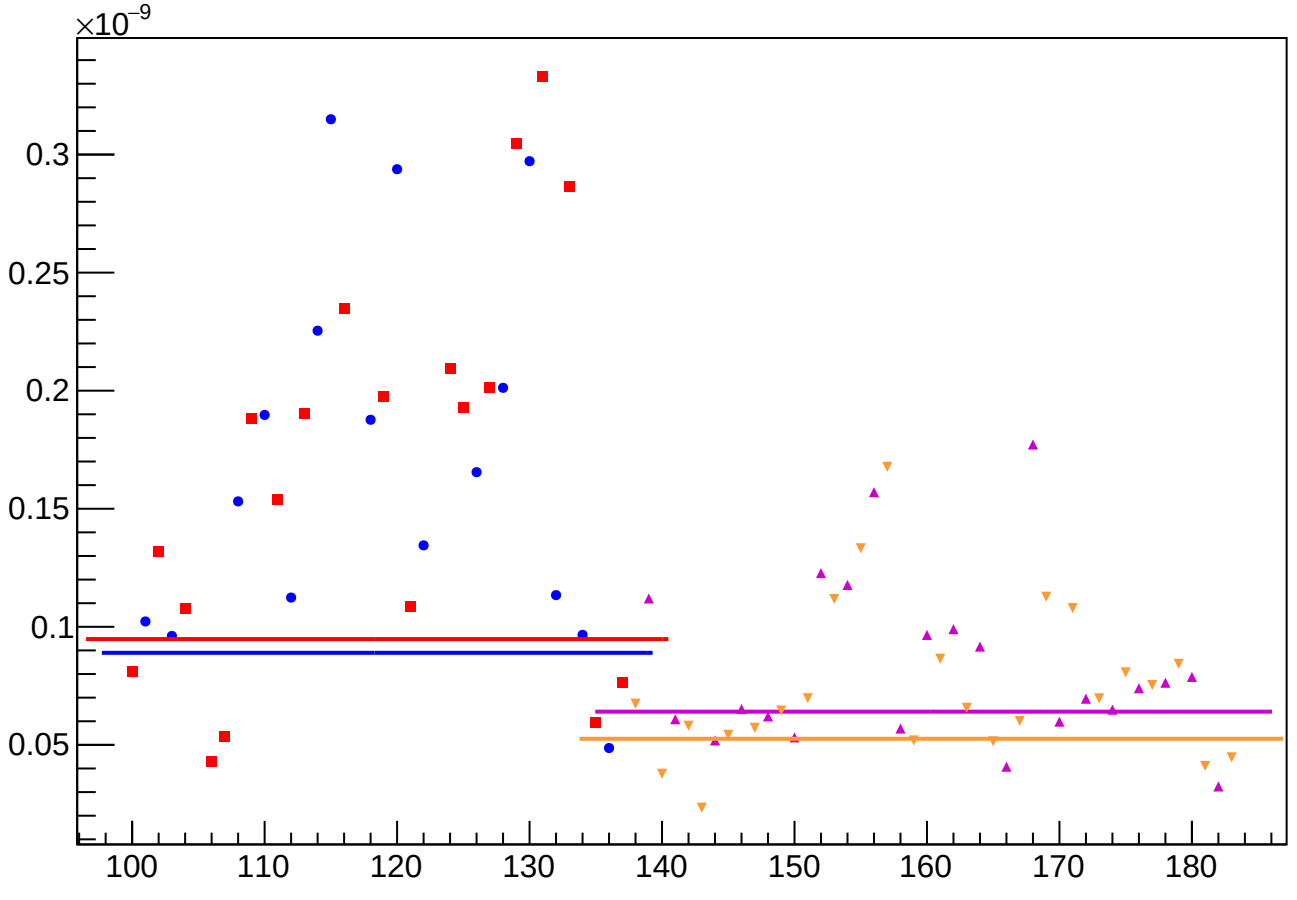
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/39

All: -0.000+/-0.000 χ^2/NDF: 80.6/80

- sign -0.000+/-0.000 χ^2/NDF: 33.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2623647.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

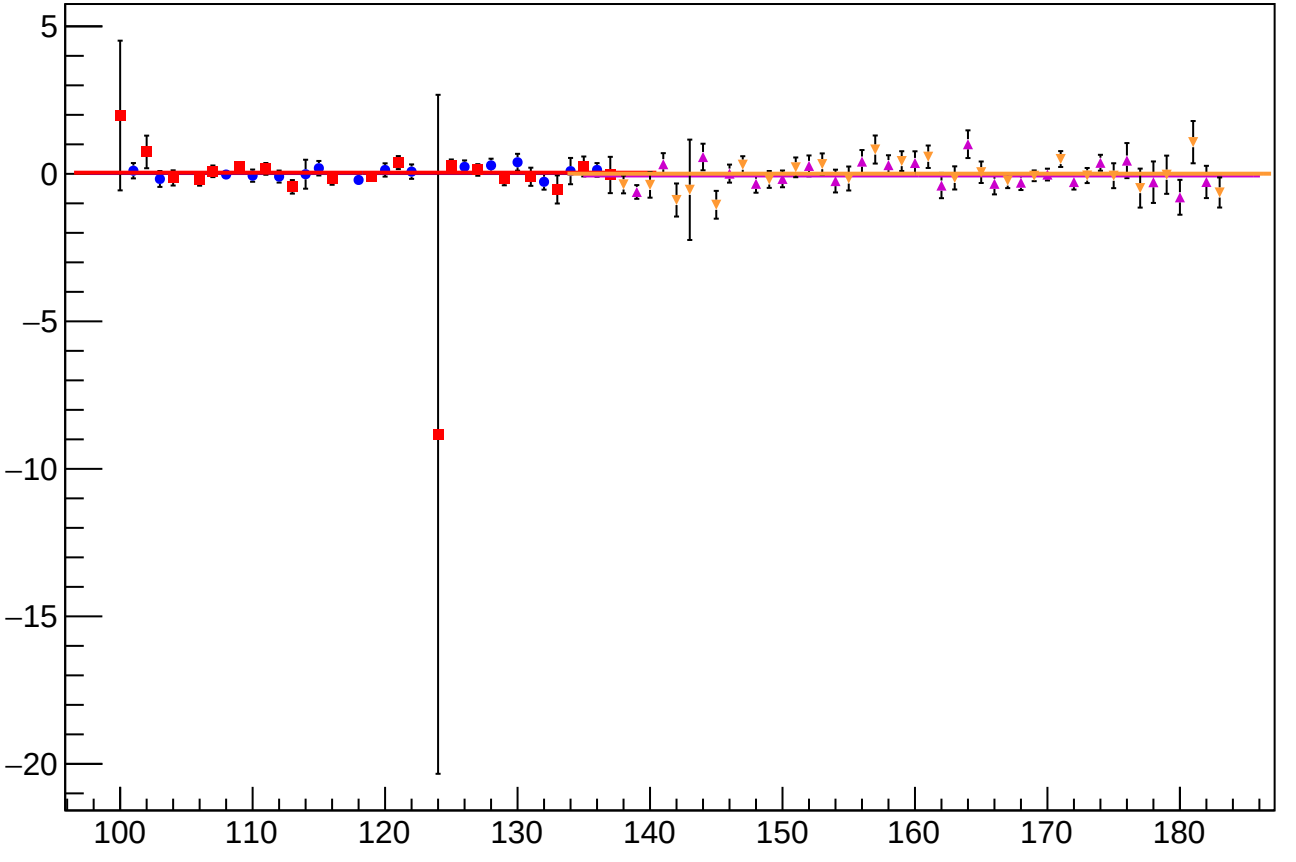
Left In: 0.000+/-0.000 χ^2/NDF:1736248.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 4750374.6/39

All: 0.000+/-0.000 χ^2/NDF: 8867885.1/80

- sign 0.000+/-0.000 χ^2/NDF: 3865170.8/40

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

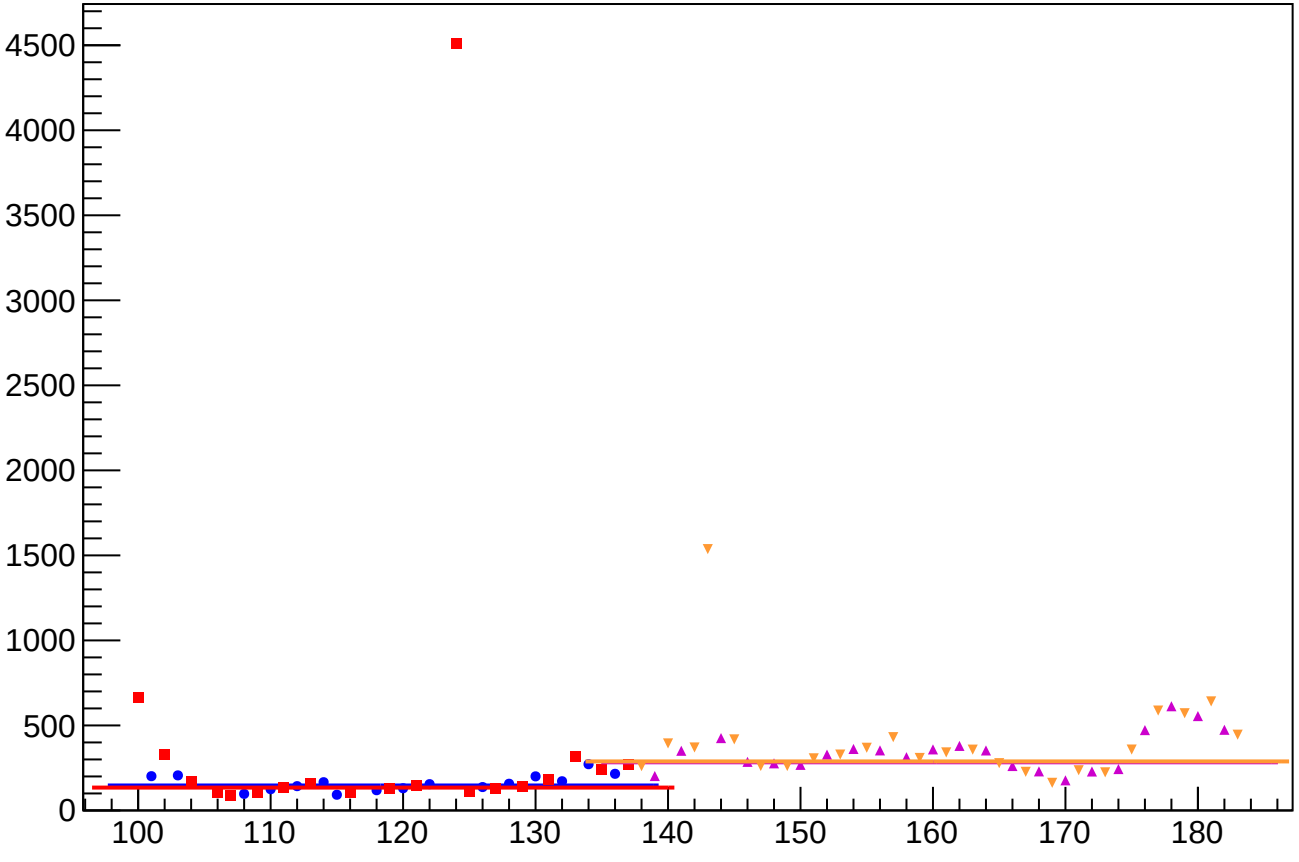
Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

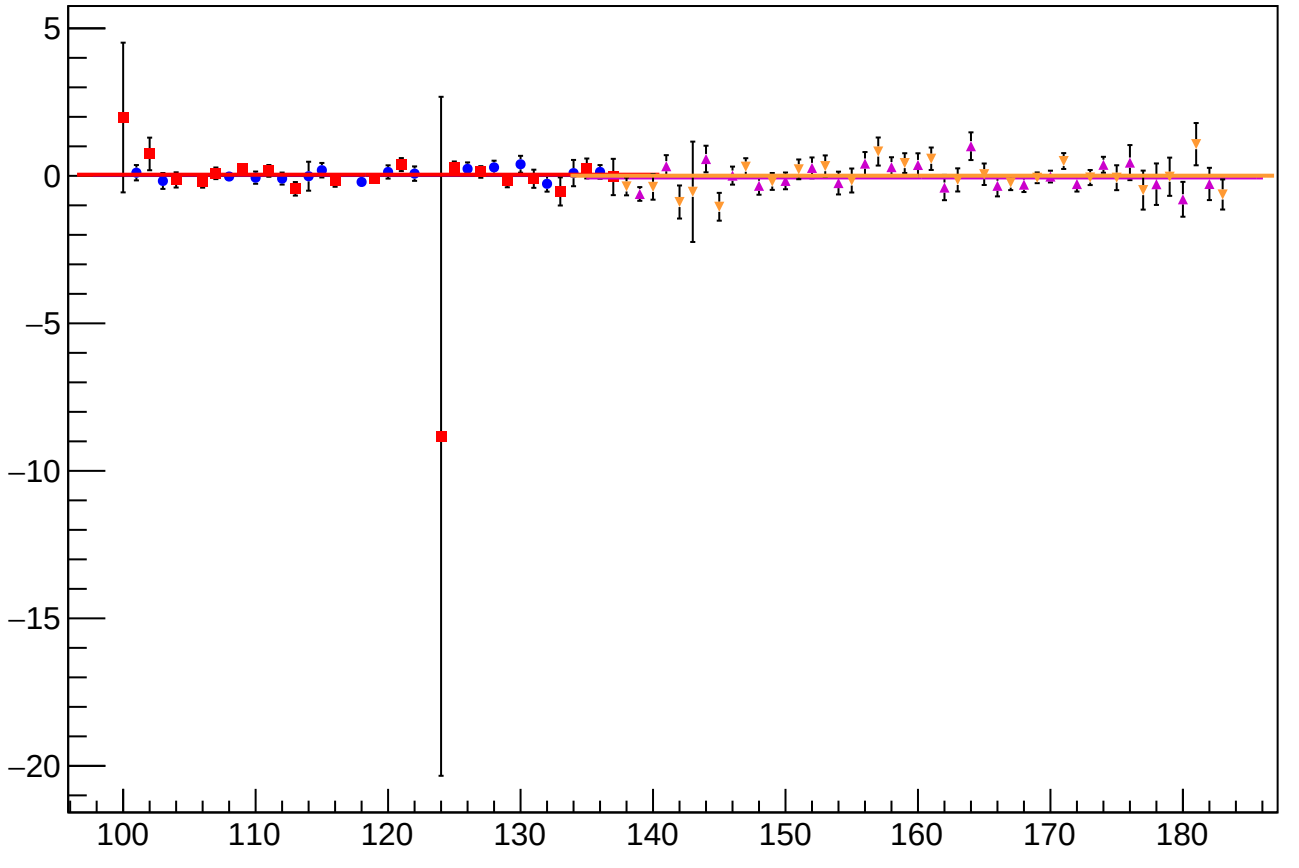
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80

- sign 190.222+/-0.031 χ^2/NDF: 10156087.9/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

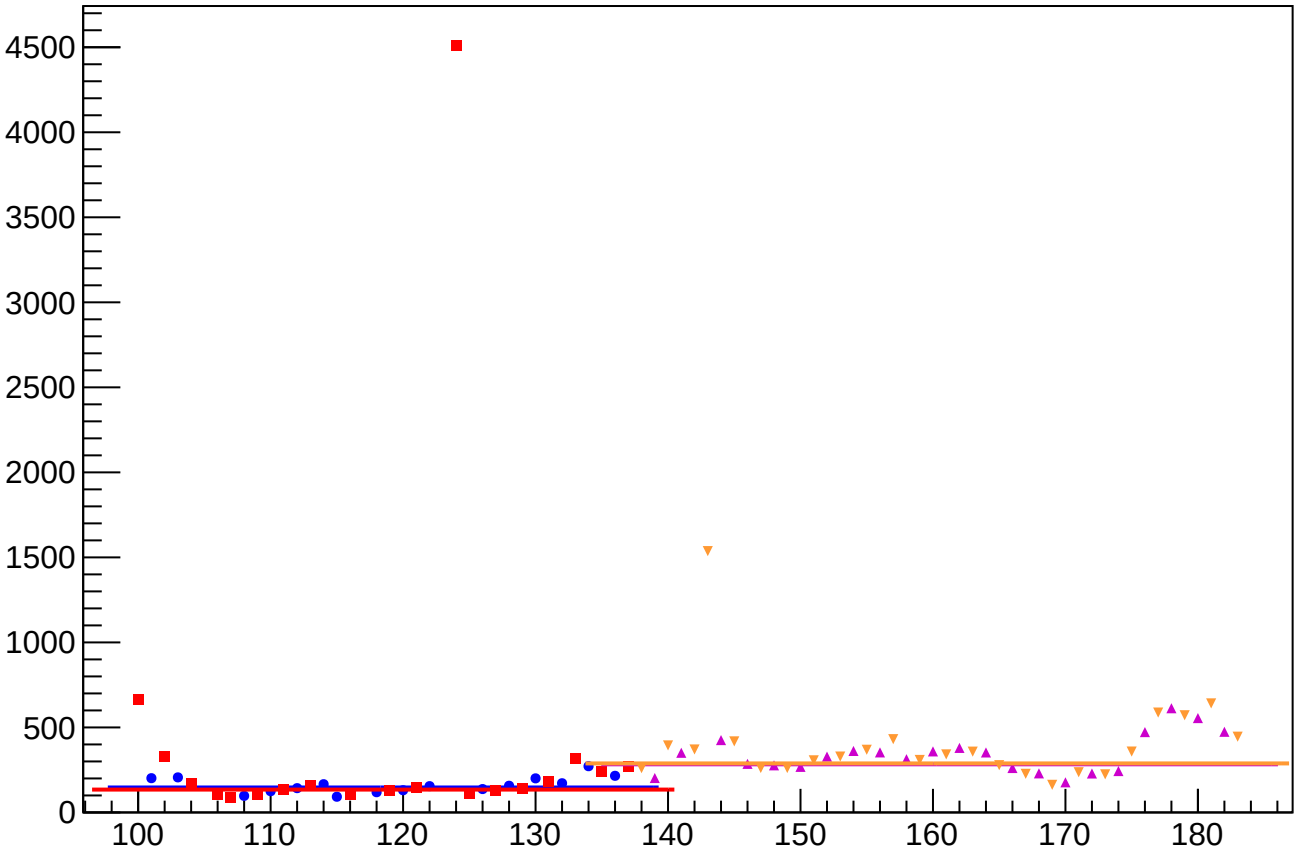
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

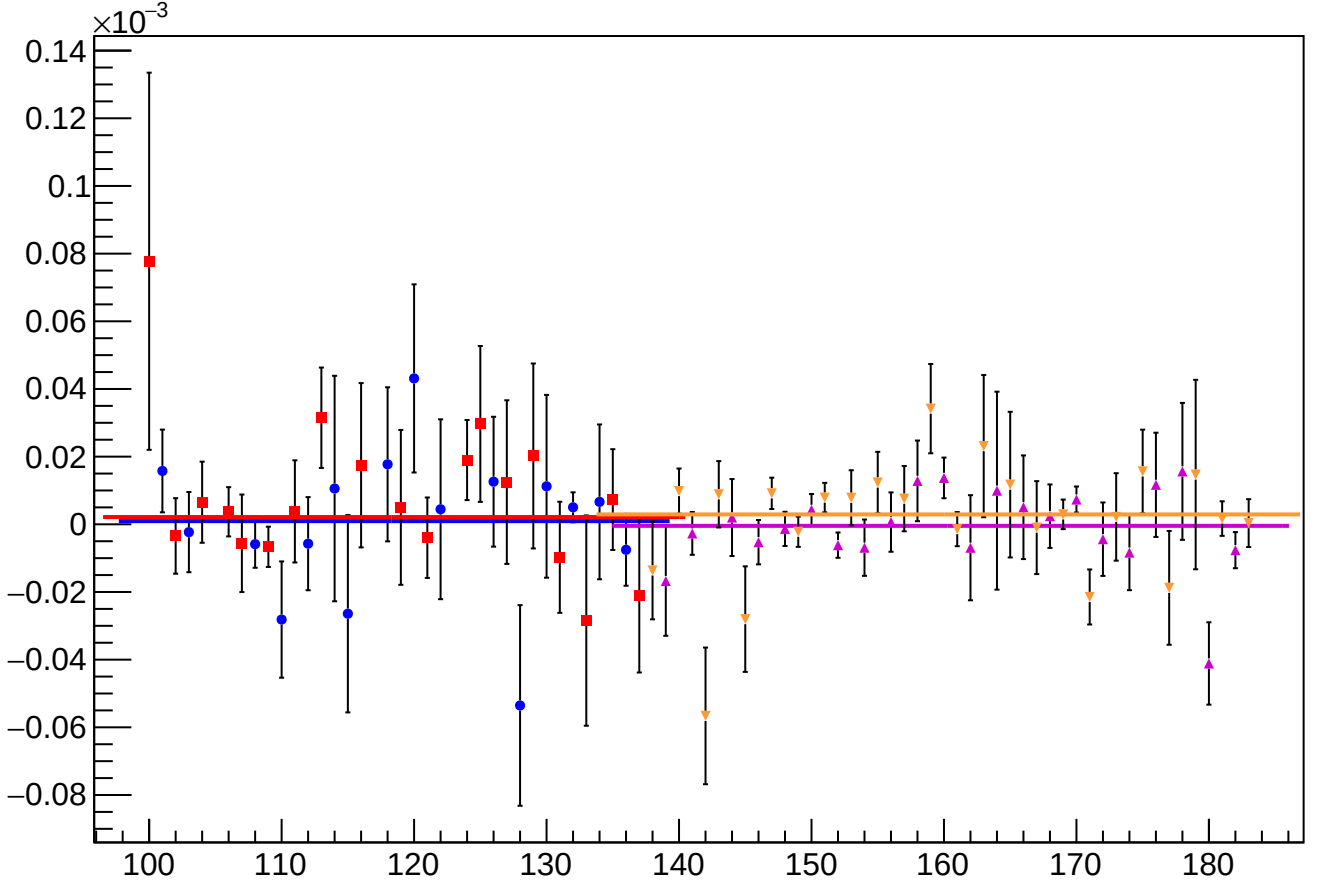
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80

- sign 190.222+/-0.031 χ^2/NDF: 10156087.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/23

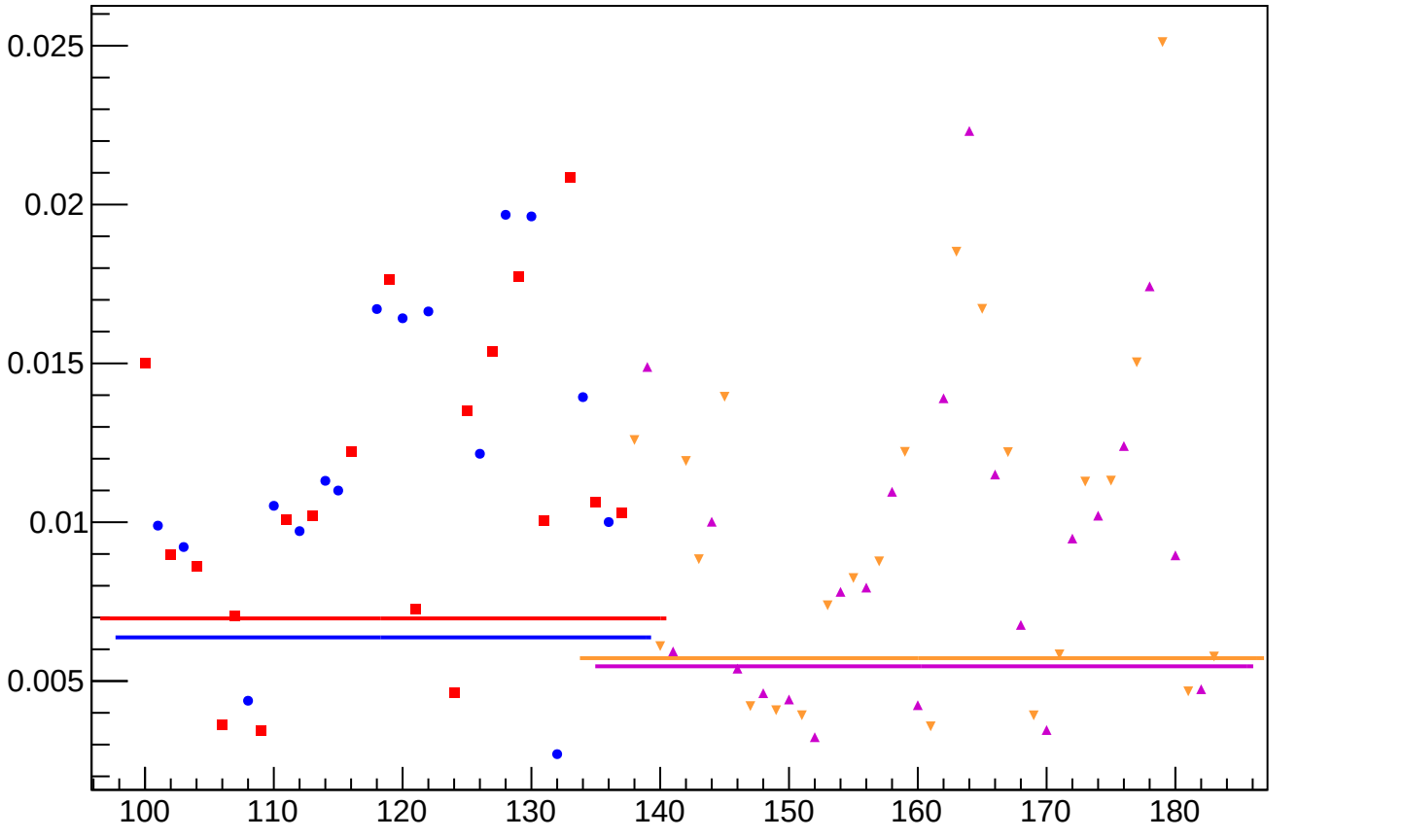
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:32.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/39

All: 0.000+/-0.000 χ^2/NDF: 106.6/80

- sign 0.000+/-0.000 χ^2/NDF: 48.7/40



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

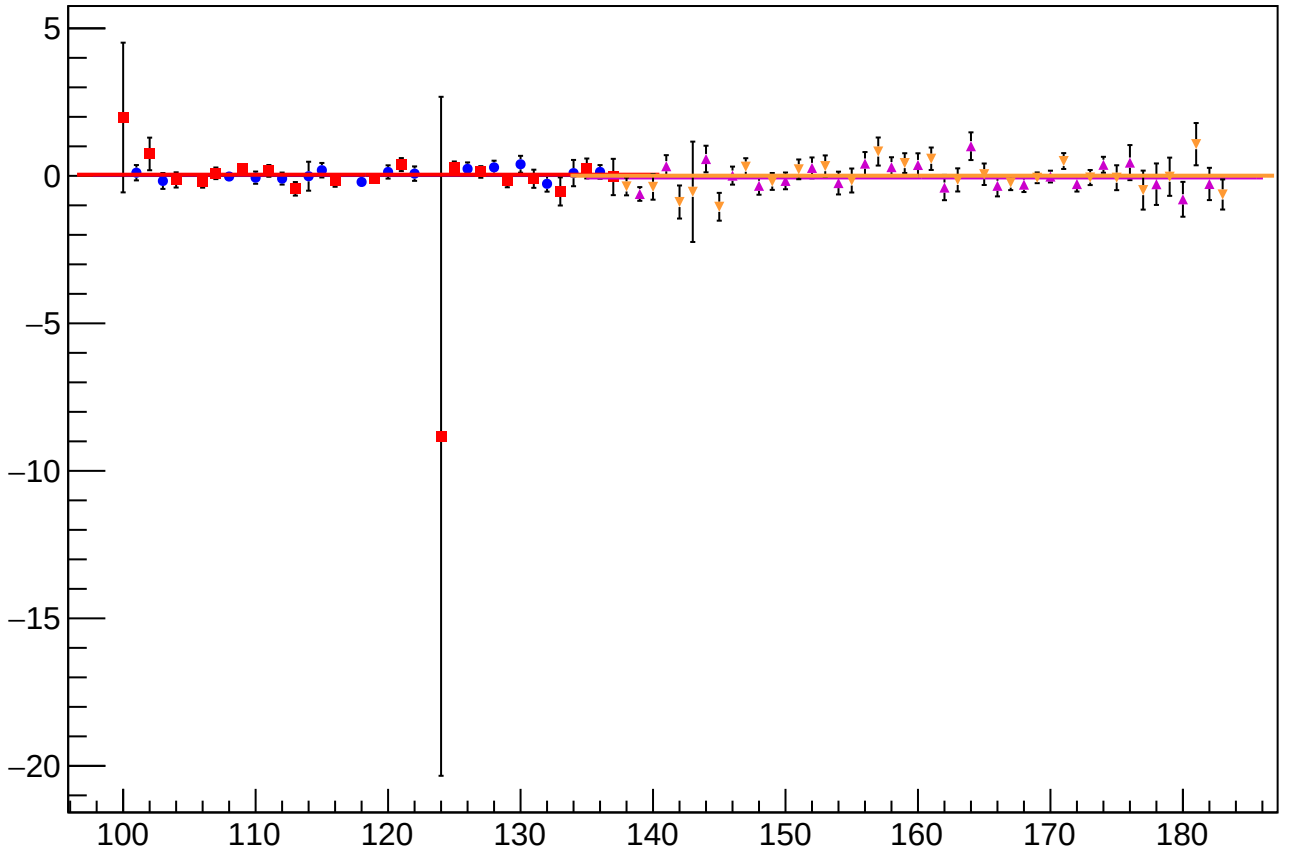
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6796454.6/21

+ sign 0.006+/-0.000 χ^2/NDF: 12715993.1/39

All: 0.006+/-0.000 χ^2/NDF: 23325584.6/80

- sign 0.006+/-0.000 χ^2/NDF: 10605149.7/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

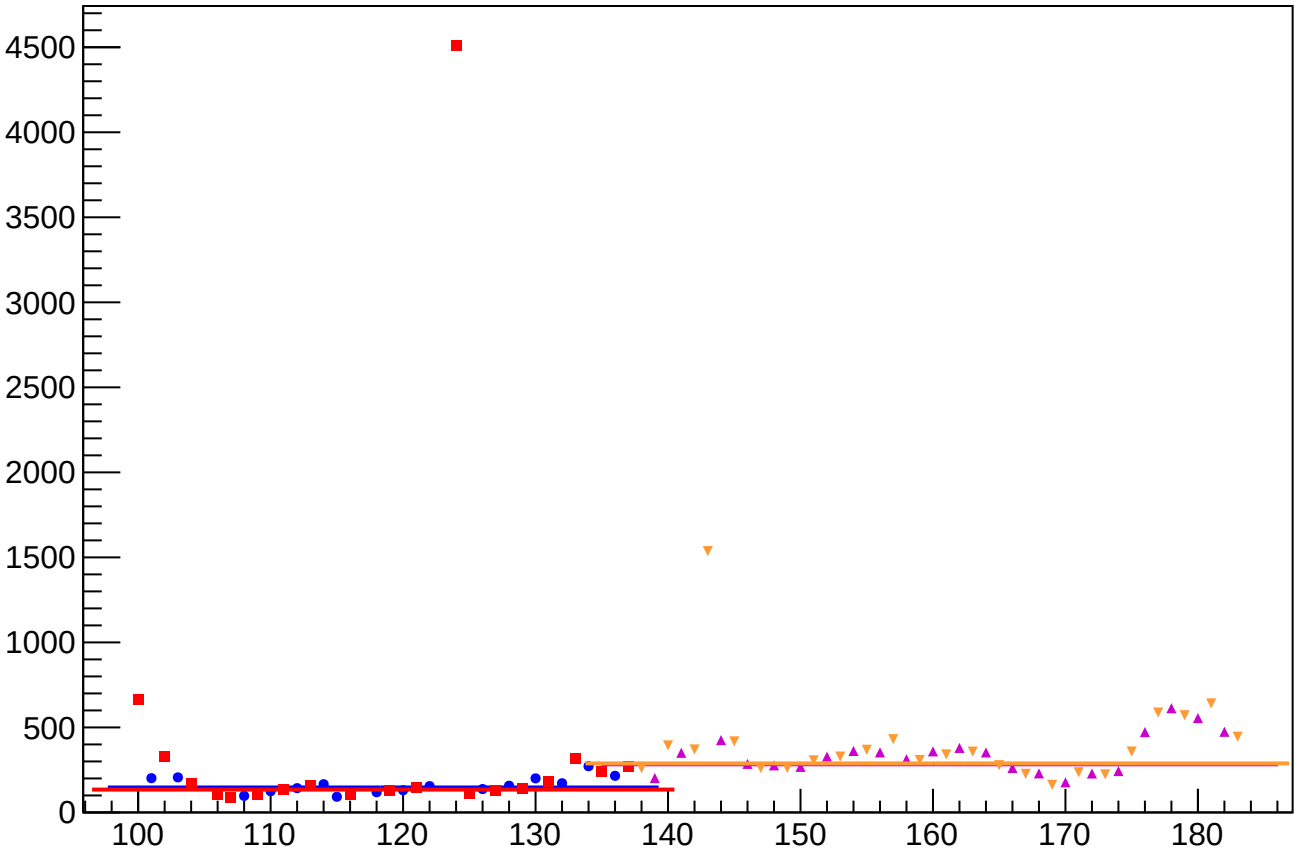
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636246.5/23

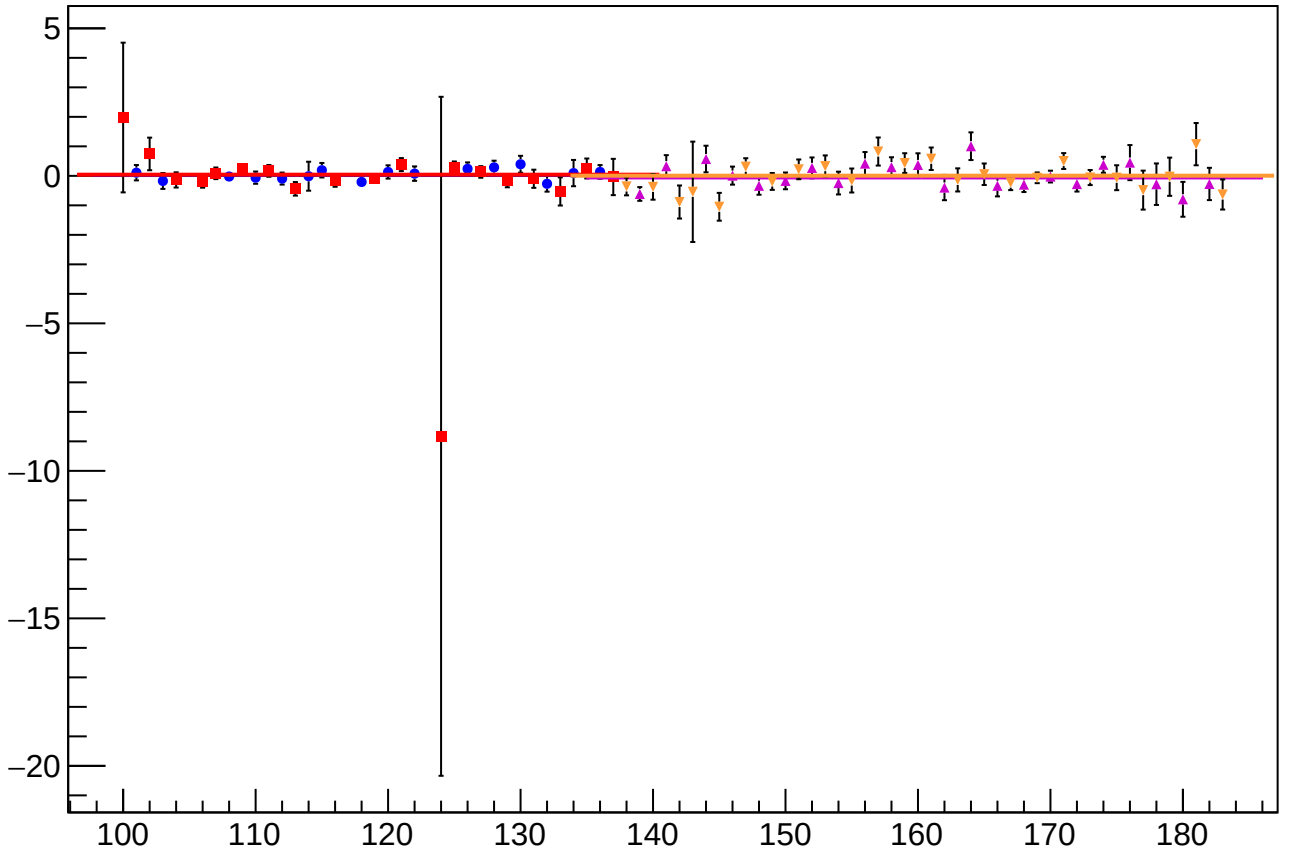
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80

- sign 190.224+/-0.031 χ^2/NDF: 10156060.5/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

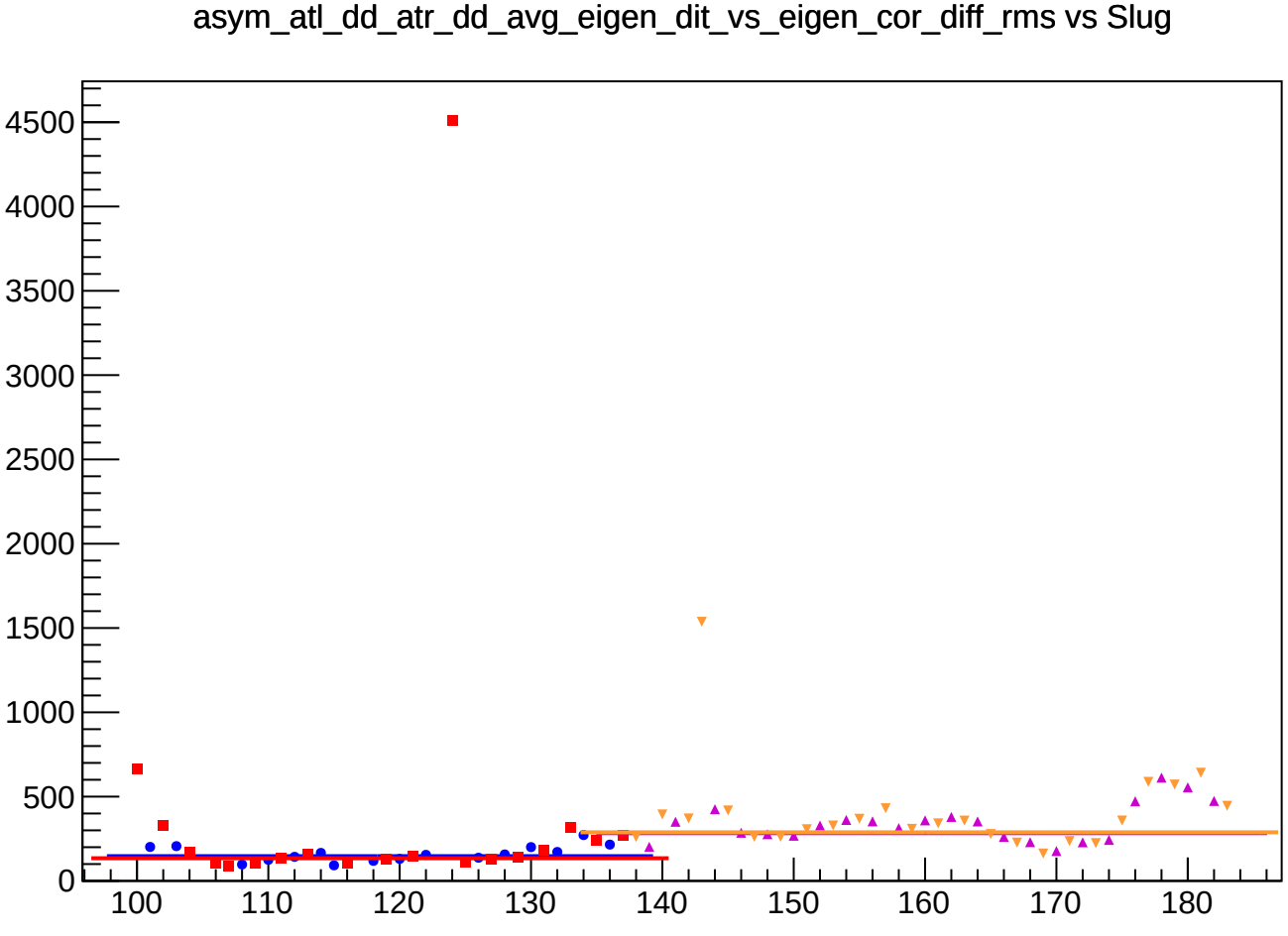
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

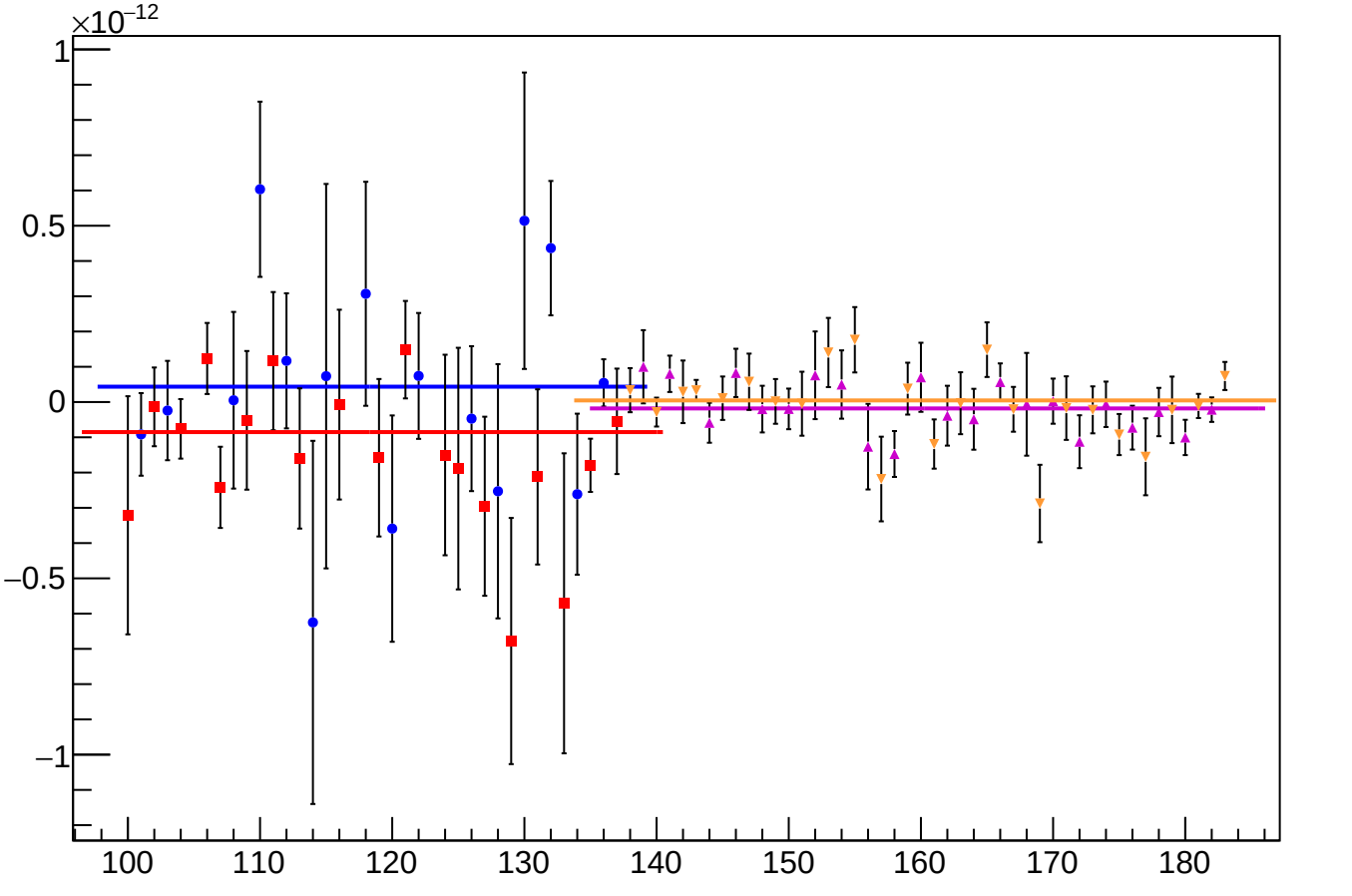
Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 288.333+/-0.051 χ²/NDF:4636246.5/23
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 283.125+/-0.050 χ²/NDF:3030693.1/21
+ sign 202.716+/-0.032 χ²/NDF: 10385243.1/39
All: 196.247+/-0.022 χ²/NDF: 20621533.3/80
- sign 190.224+/-0.031 χ²/NDF: 10156060.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/23

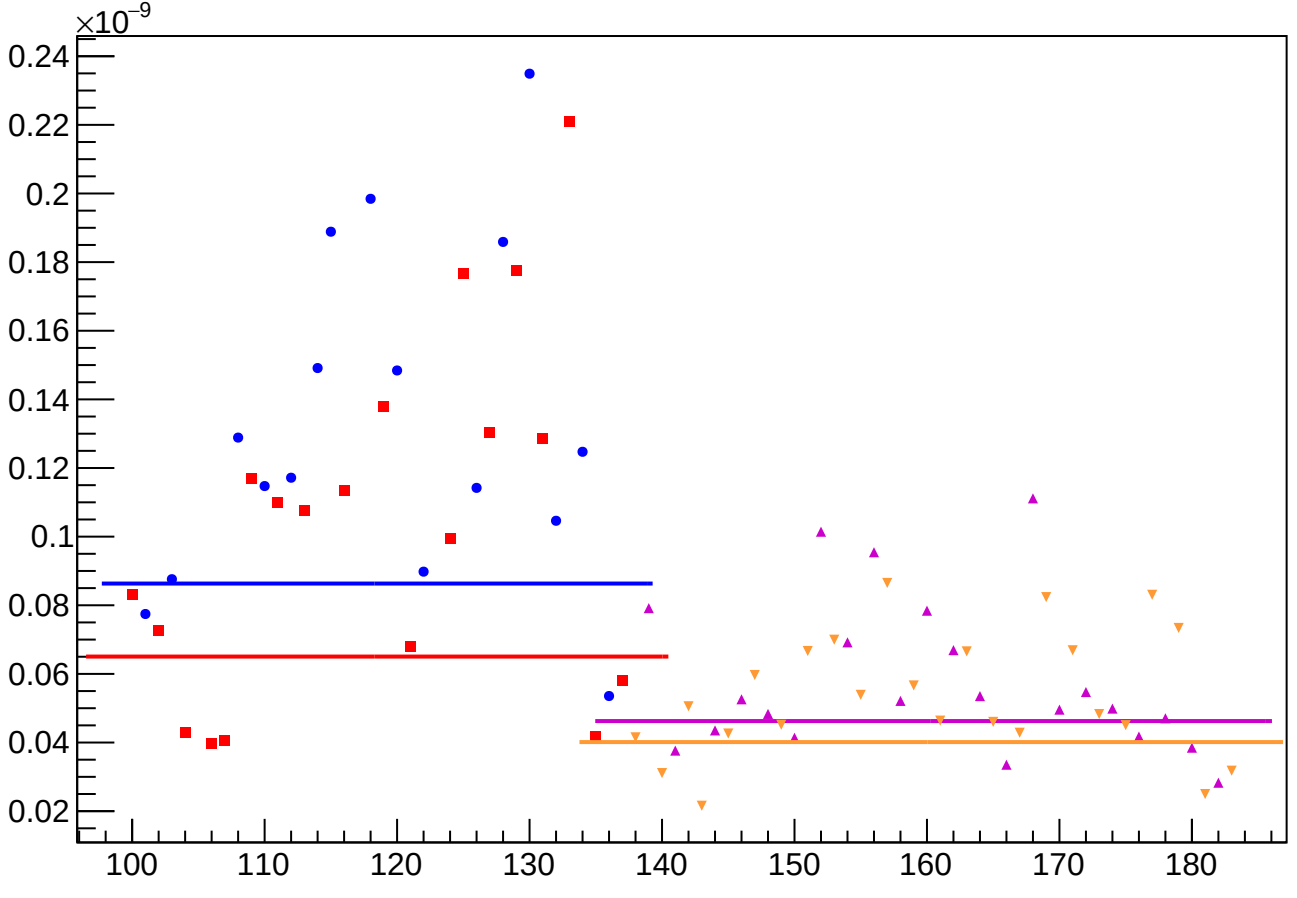
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/39

All: -0.000+/-0.000 χ^2/NDF: 100.6/80

- sign -0.000+/-0.000 χ^2/NDF: 43.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3609550.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

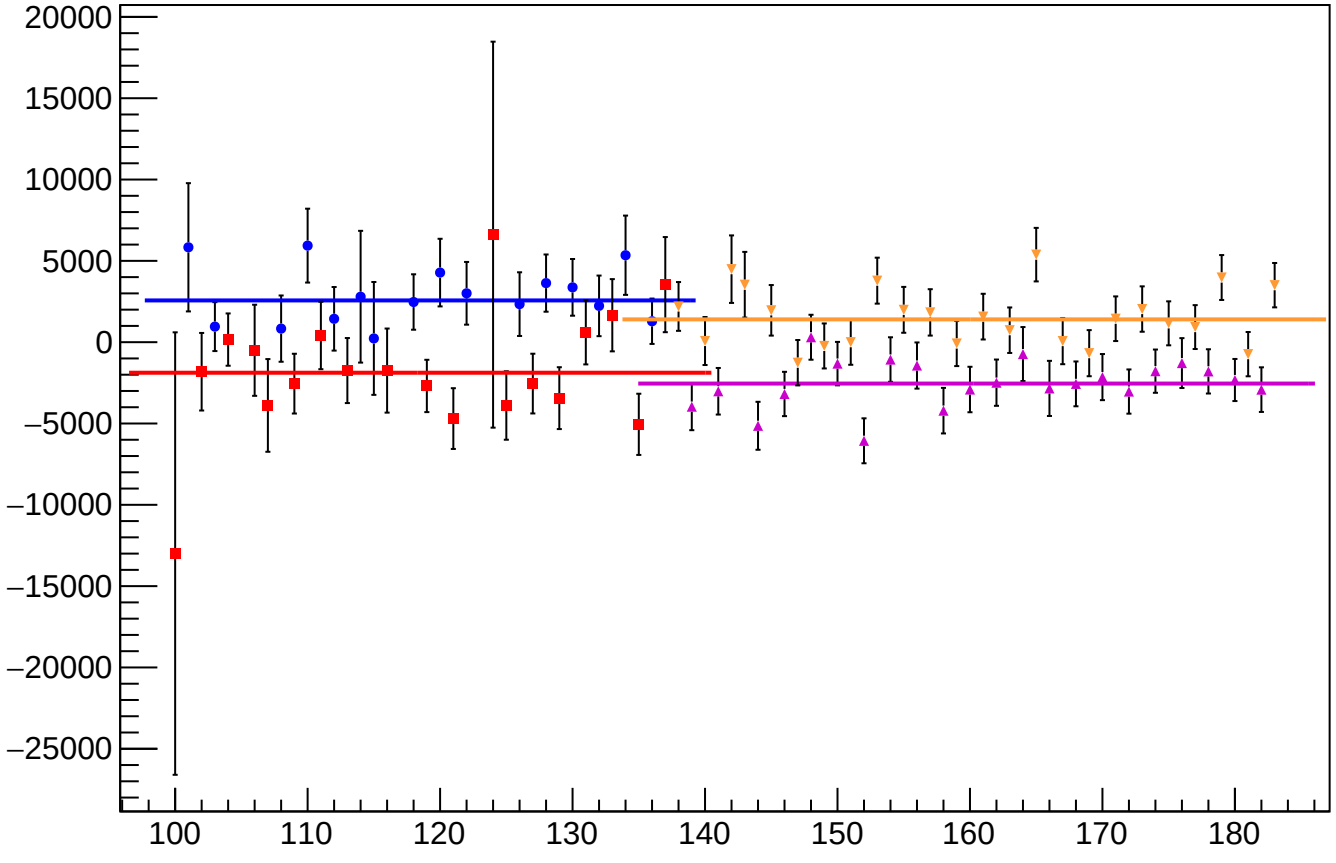
Left In: 0.000+/-0.000 χ^2/NDF:2636841.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 7331572.3/39

All: 0.000+/-0.000 χ^2/NDF: 12821942.0/80

- sign 0.000+/-0.000 χ^2/NDF: 5312844.8/40

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1401.719+/-295.080 χ^2/NDF:32.7/23

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

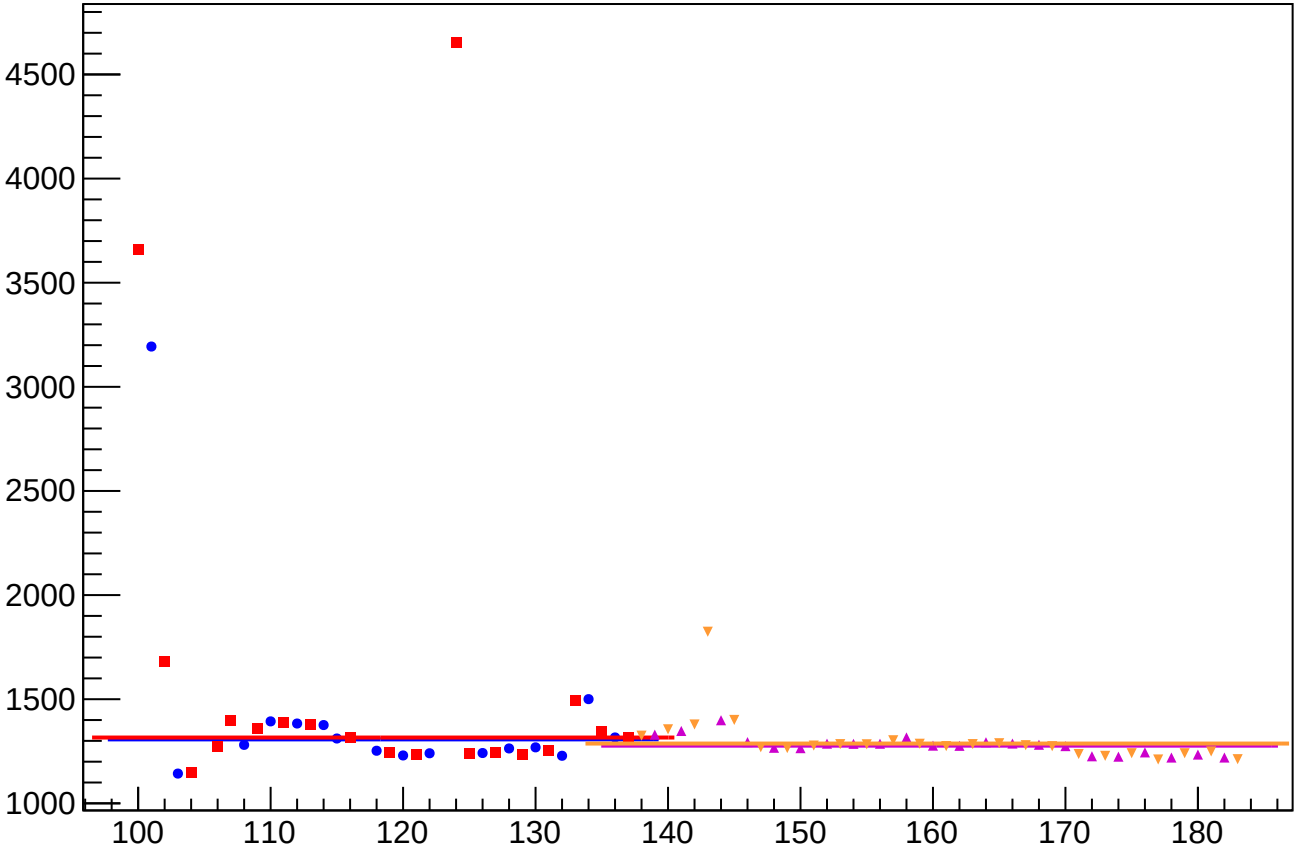
Left In: -2544.479+/-300.792 χ^2/NDF:22.1/21

+ sign 1707.032+/-253.511 χ^2/NDF: 45.8/39

All: -300.841+/-180.485 χ^2/NDF: 215.9/80

- sign -2364.606+/-257.015 χ^2/NDF: 42.9/40

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1287.069+/-0.209 χ^2/NDF:188051.4/23

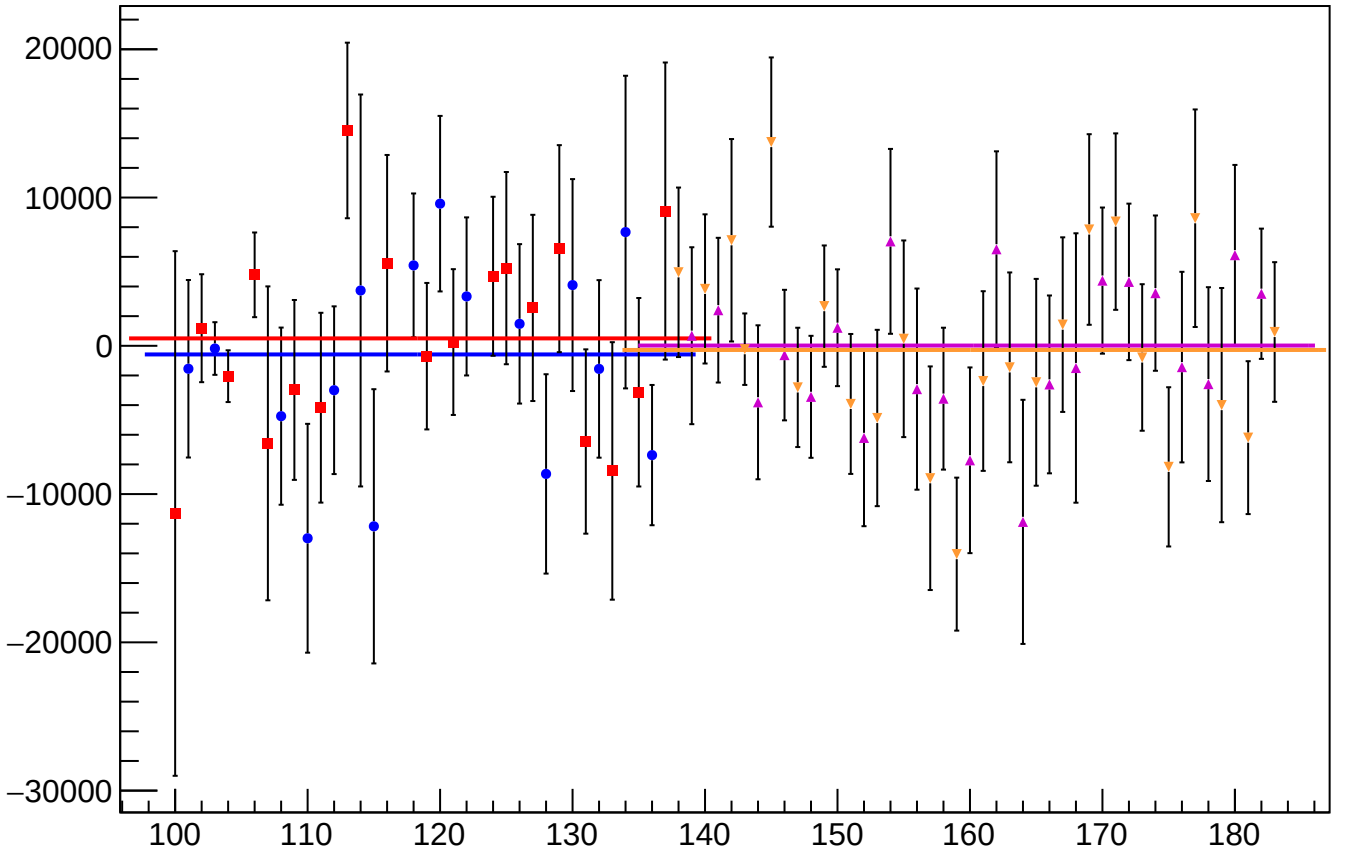
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1277.004+/-0.213 χ^2/NDF:39998.8/21

+ sign 1292.307+/-0.179 χ^2/NDF: 706706.7/39

All: 1289.969+/-0.128 χ^2/NDF: 1082578.0/80

- sign 1287.570+/-0.182 χ^2/NDF: 375526.8/40



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -280.655+/-1046.374 χ^2/NDF:28.6/23

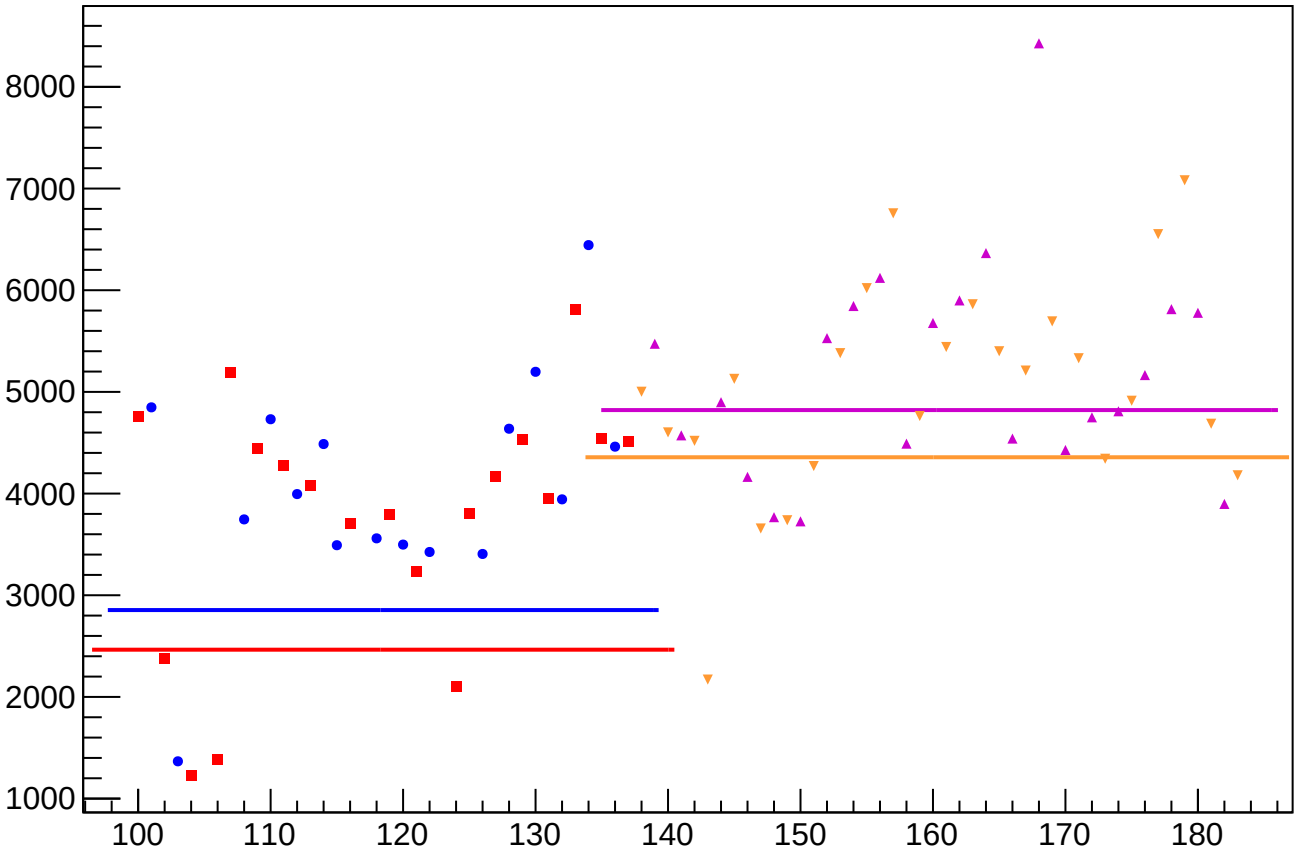
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 17.208+/-1158.794 χ^2/NDF:13.3/21

+ sign -411.607+/-786.620 χ^2/NDF: 43.3/39

All: -62.433+/-553.974 χ^2/NDF: 74.8/80

- sign 281.145+/-780.292 χ^2/NDF: 31.1/40



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4357.170+/-0.740 χ^2/NDF:3070632.0/23

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

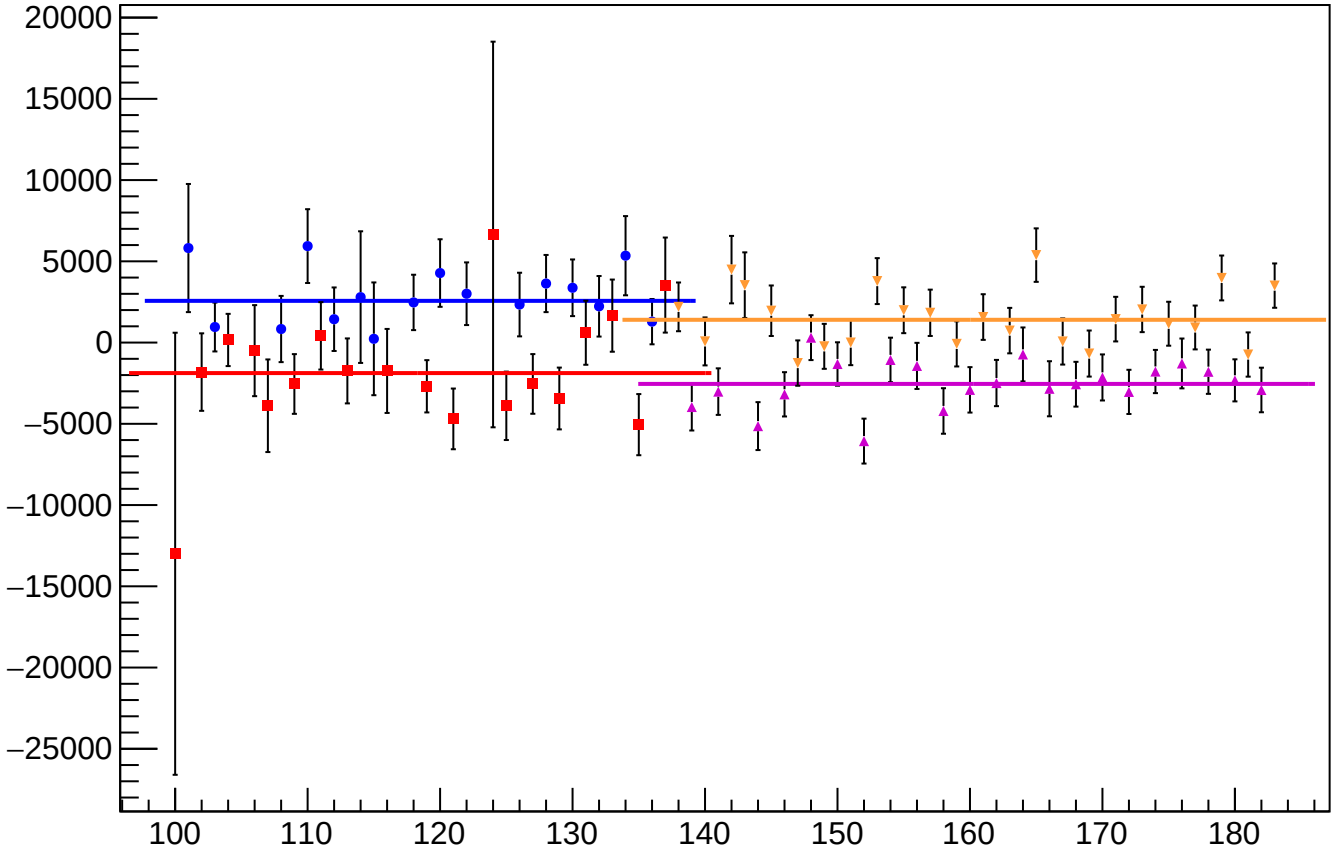
Left In: 4821.214+/-0.819 χ^2/NDF:1208126.3/21

+ sign 3703.632+/-0.556 χ^2/NDF: 7769562.2/39

All: 3617.695+/-0.392 χ^2/NDF: 16902149.7/8

- sign 3533.135+/-0.552 χ^2/NDF: 9085229.7/40

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1401.655+/-295.080 χ^2/NDF:32.7/23

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

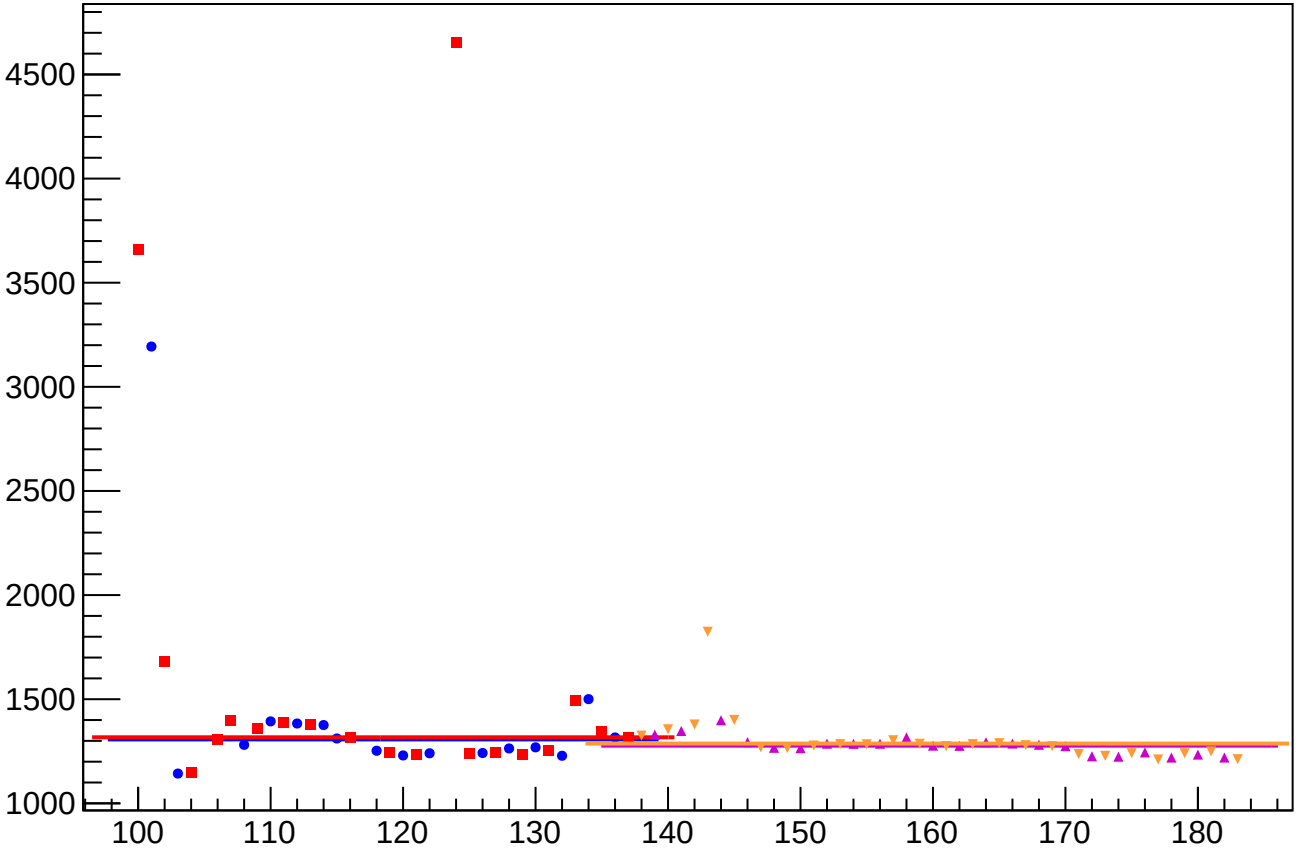
Left In: -2544.471+/-300.792 χ^2/NDF:22.1/21

+ sign 1706.912+/-253.511 χ^2/NDF: 45.8/39

All: -300.865+/-180.485 χ^2/NDF: 215.9/80

- sign -2364.531+/-257.015 χ^2/NDF: 42.9/40

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1287.069+/-0.209 χ^2/NDF:188051.4/23

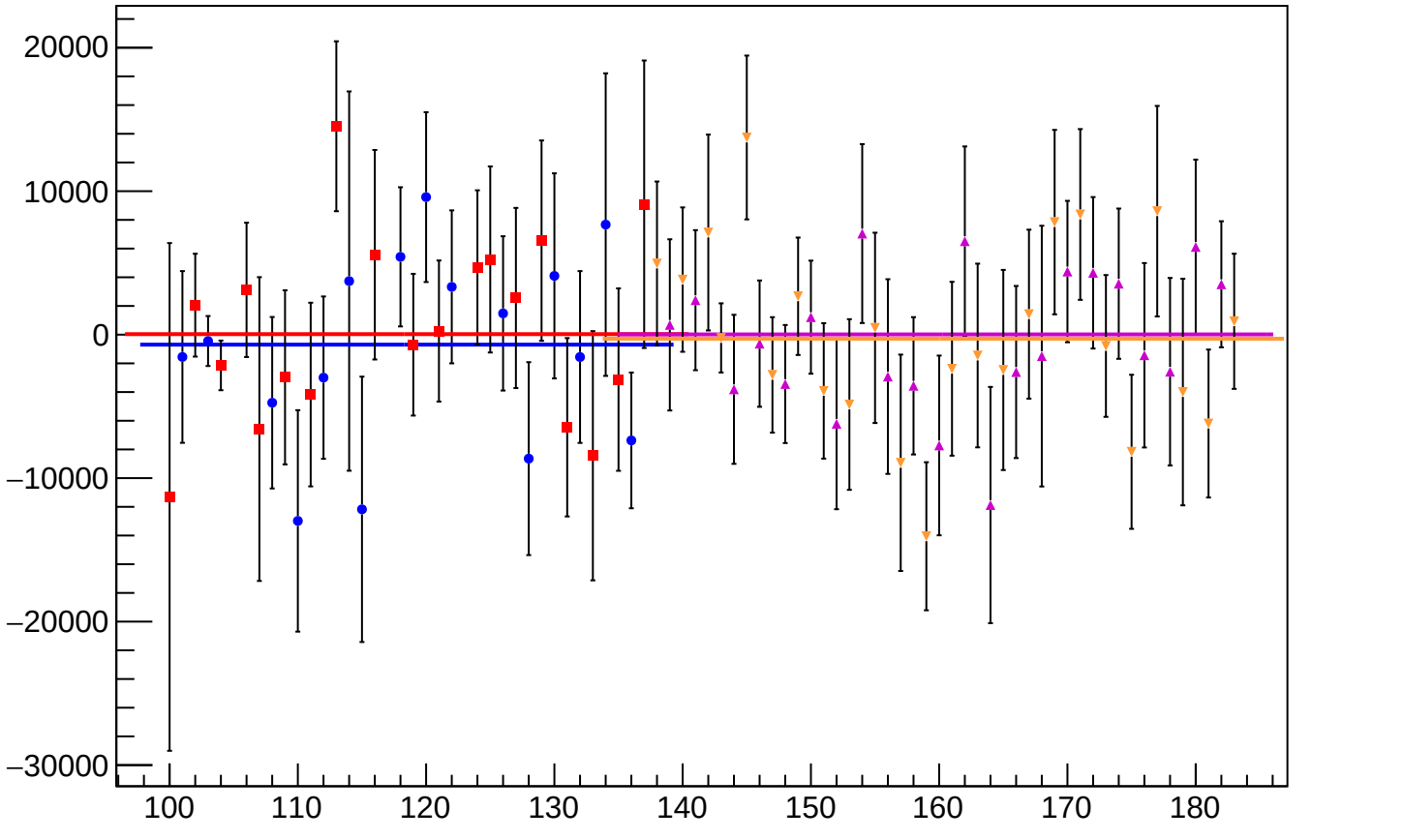
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1277.004+/-0.213 χ^2/NDF:39998.8/21

+ sign 1292.306+/-0.179 χ^2/NDF: 706708.1/39

All: 1290.114+/-0.128 χ^2/NDF: 1082568.8/80

- sign 1287.864+/-0.182 χ^2/NDF: 375557.5/40



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -280.651+/-1046.372 χ^2/NDF:28.6/23

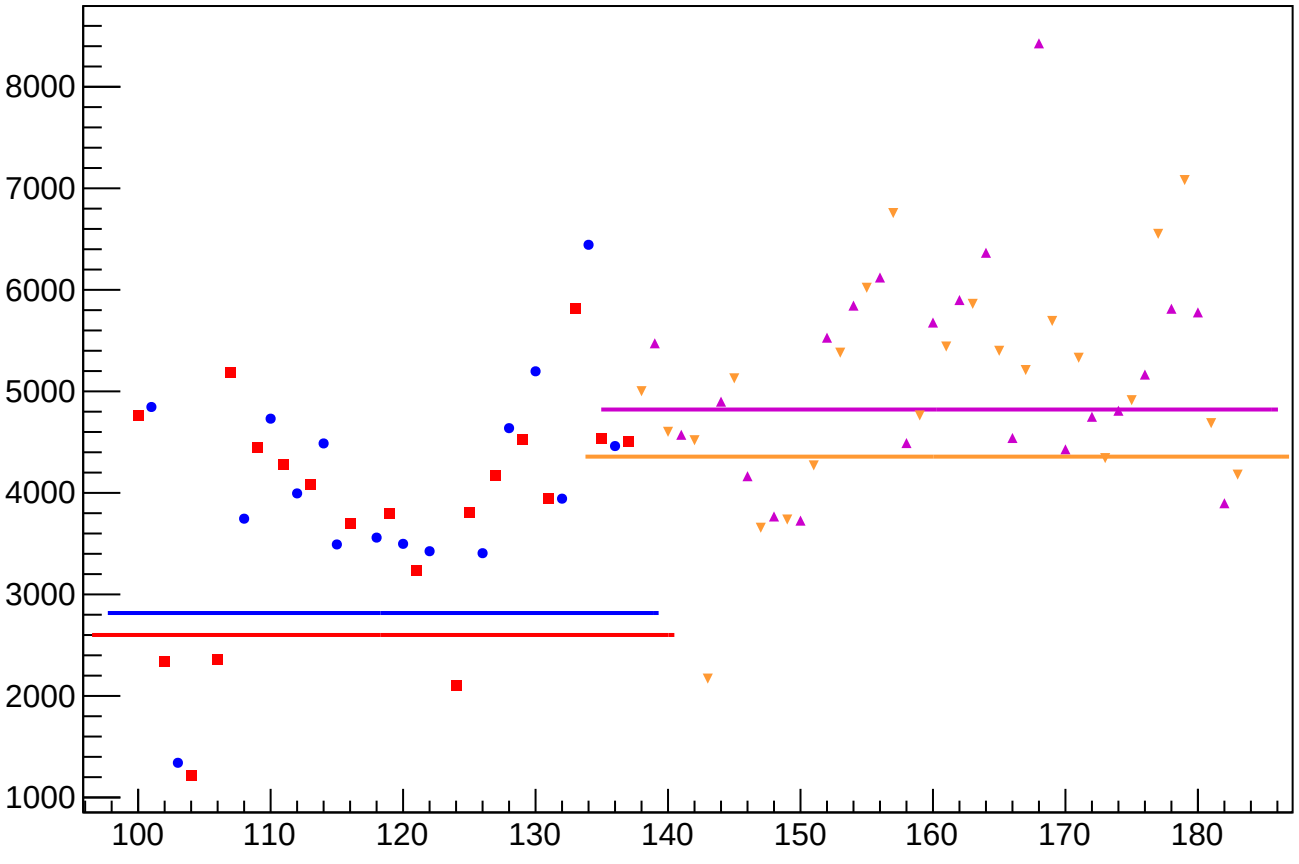
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 17.180+/-1158.794 χ^2/NDF:13.3/21

+ sign -462.735+/-783.606 χ^2/NDF: 43.3/39

All: -221.974+/-558.806 χ^2/NDF: 72.7/80

- sign 27.155+/-797.108 χ^2/NDF: 29.2/40



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4357.154+/-0.740 χ^2/NDF:3070724.6/23

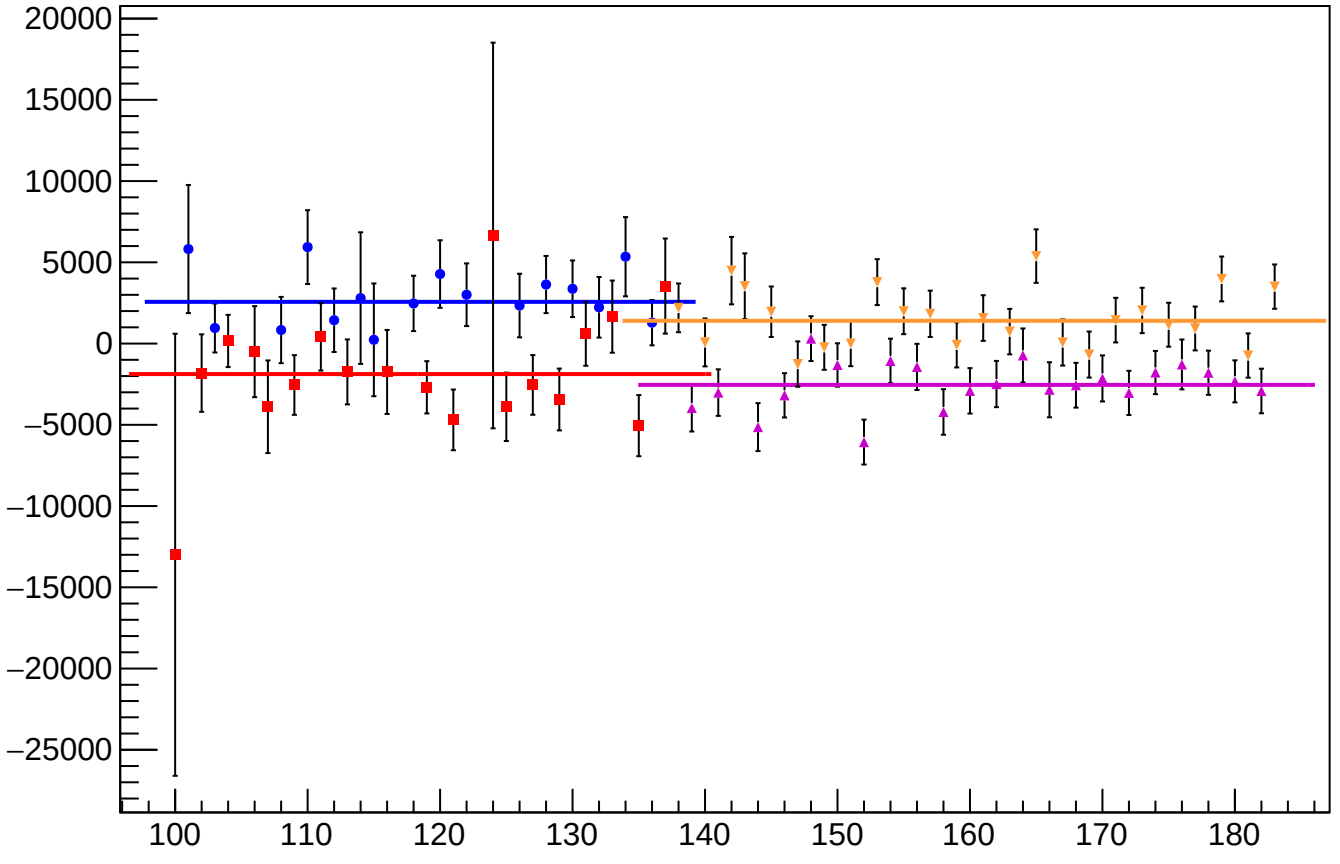
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4821.212+/-0.819 χ^2/NDF:1208136.1/21

+ sign 3680.654+/-0.554 χ^2/NDF: 7981785.1/39

All: 3666.227+/-0.395 χ^2/NDF: 16141607.6/8

- sign 3651.299+/-0.564 χ^2/NDF: 8158443.0/40



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1401.655+/-295.080 χ^2/NDF:32.7/23

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

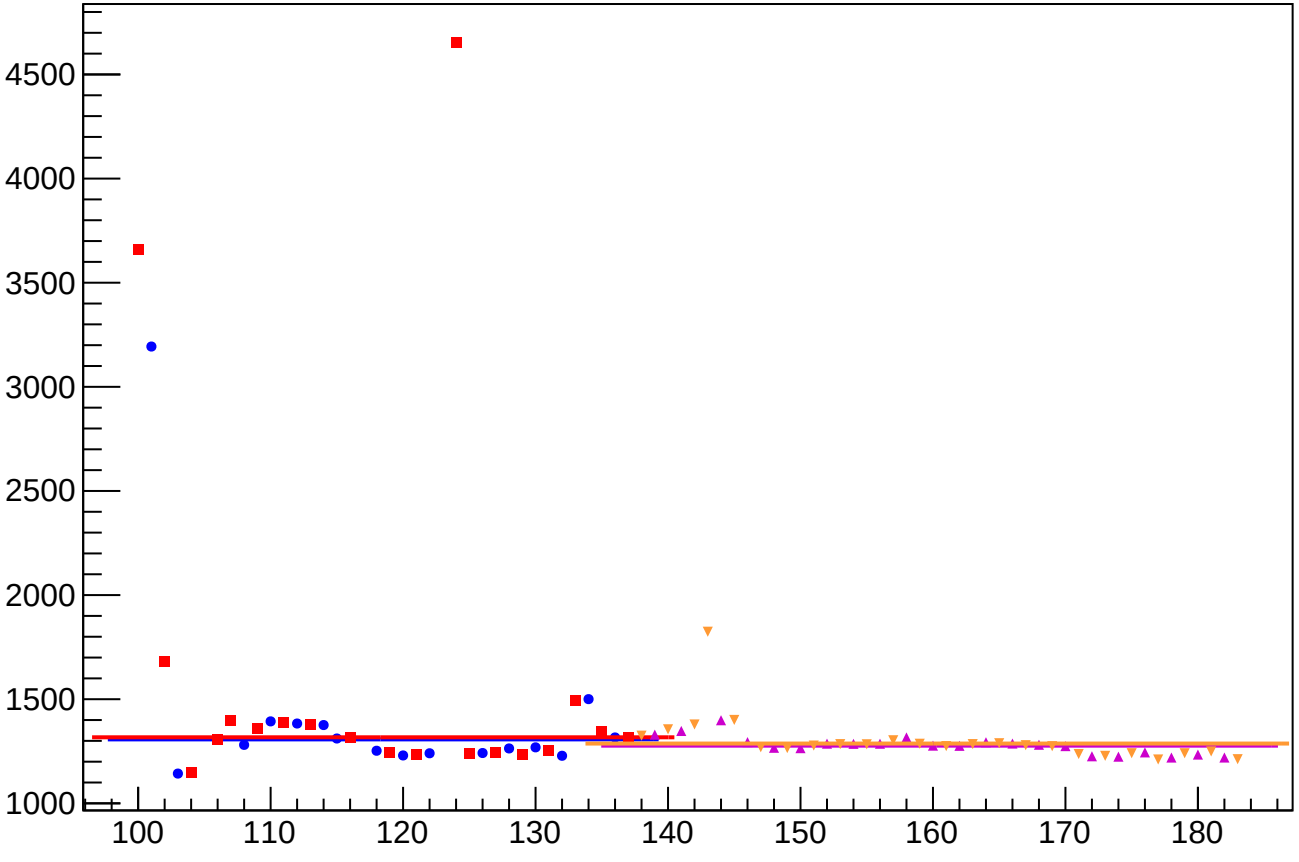
Left In: -2544.471+/-300.792 χ^2/NDF:22.1/21

+ sign 1706.912+/-253.511 χ^2/NDF: 45.8/39

All: -300.865+/-180.485 χ^2/NDF: 215.9/80

- sign -2364.531+/-257.015 χ^2/NDF: 42.9/40

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1287.069+/-0.209 χ^2/NDF:188051.4/23

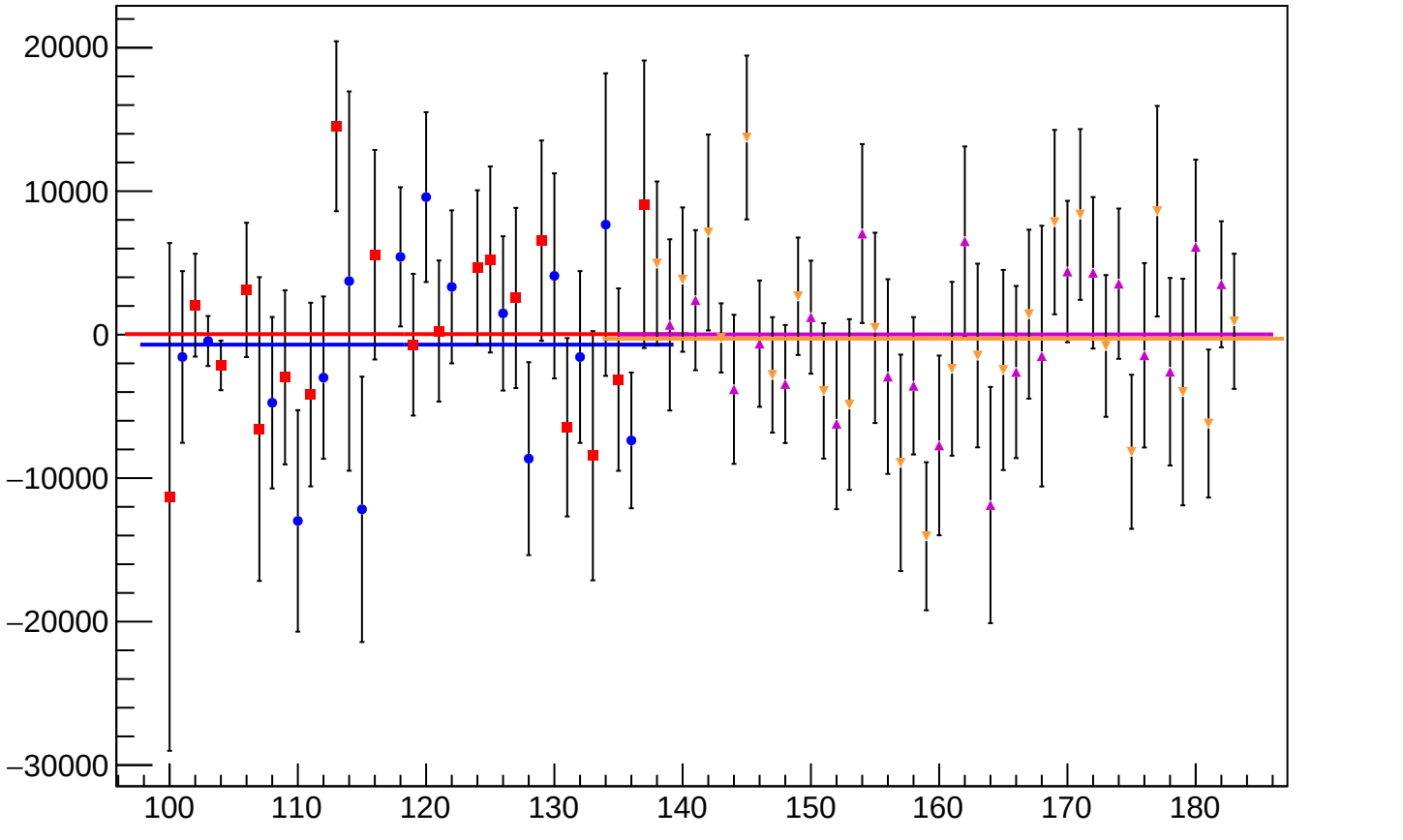
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1277.004+/-0.213 χ^2/NDF:39998.8/21

+ sign 1292.306+/-0.179 χ^2/NDF: 706708.1/39

All: 1290.114+/-0.128 χ^2/NDF: 1082568.8/80

- sign 1287.864+/-0.182 χ^2/NDF: 375557.5/40



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -280.651+/-1046.372 χ^2/NDF:28.6/23

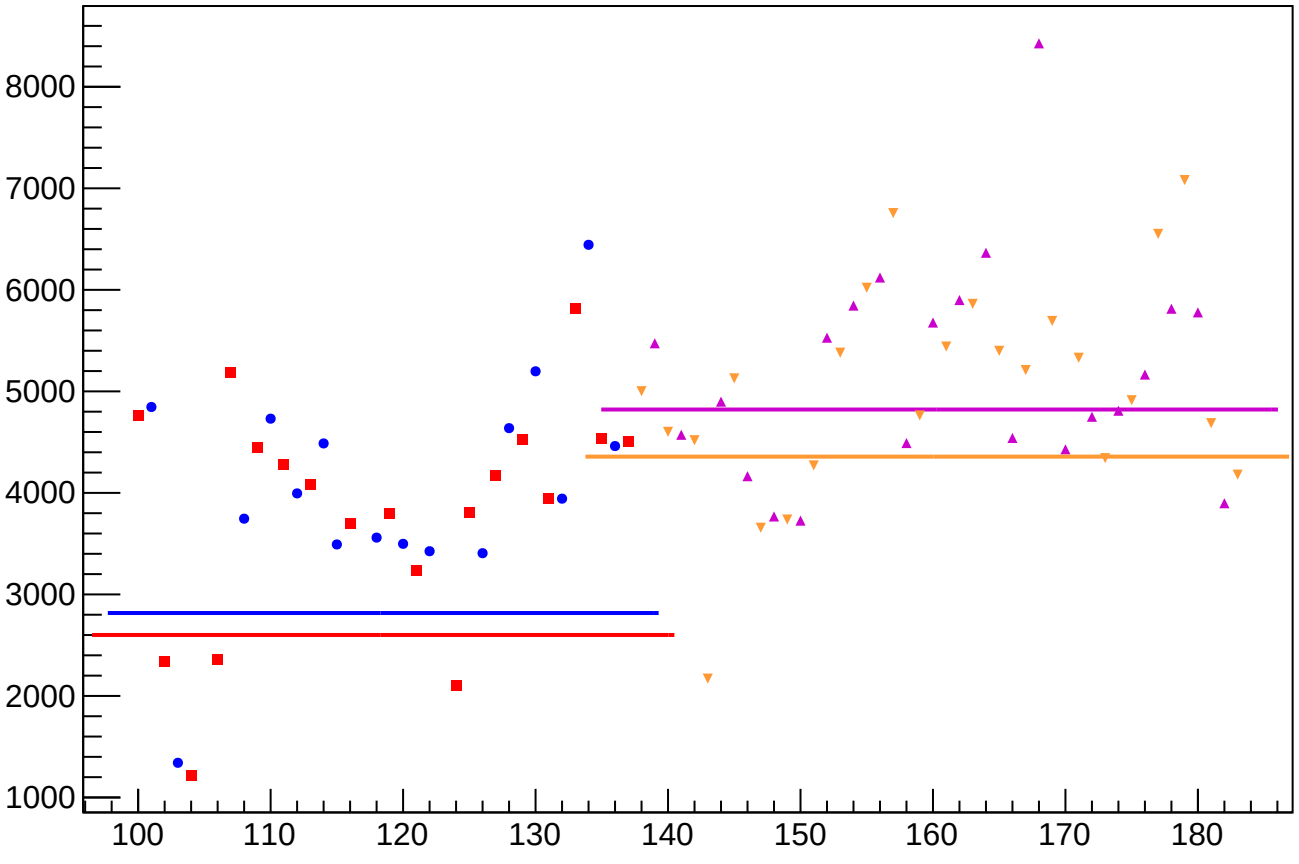
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 17.180+/-1158.794 χ^2/NDF:13.3/21

+ sign -462.735+/-783.606 χ^2/NDF: 43.3/39

All: -221.974+/-558.806 χ^2/NDF: 72.7/80

- sign 27.155+/-797.108 χ^2/NDF: 29.2/40



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4357.154+/-0.740 χ^2/NDF:3070724.6/23

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

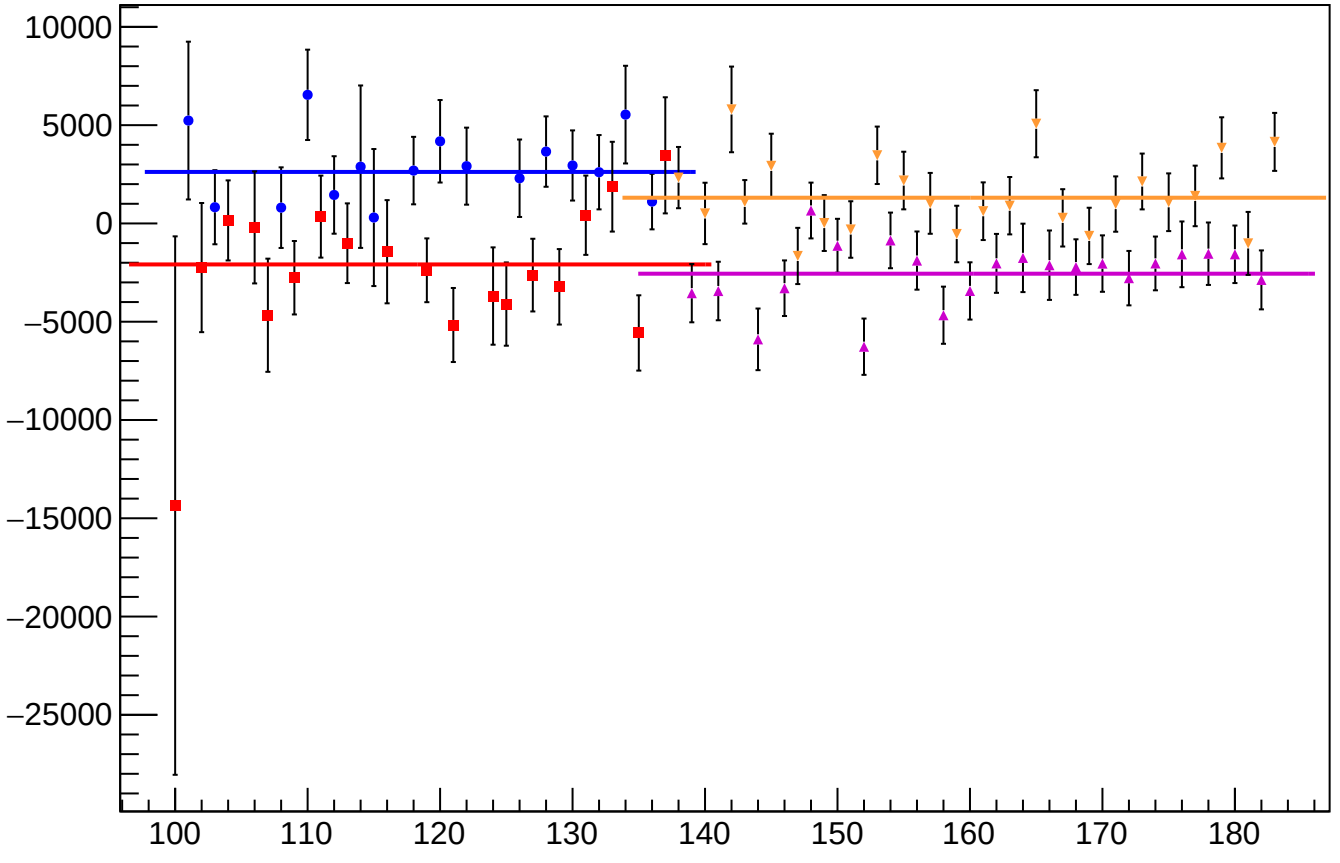
Left In: 4821.212+/-0.819 χ^2/NDF:1208136.1/21

+ sign 3680.654+/-0.554 χ^2/NDF: 7981785.1/39

All: 3666.227+/-0.395 χ^2/NDF: 16141607.6/8

- sign 3651.299+/-0.564 χ^2/NDF: 8158443.0/40

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1308.177+/-302.780 χ^2/NDF:33.0/23

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

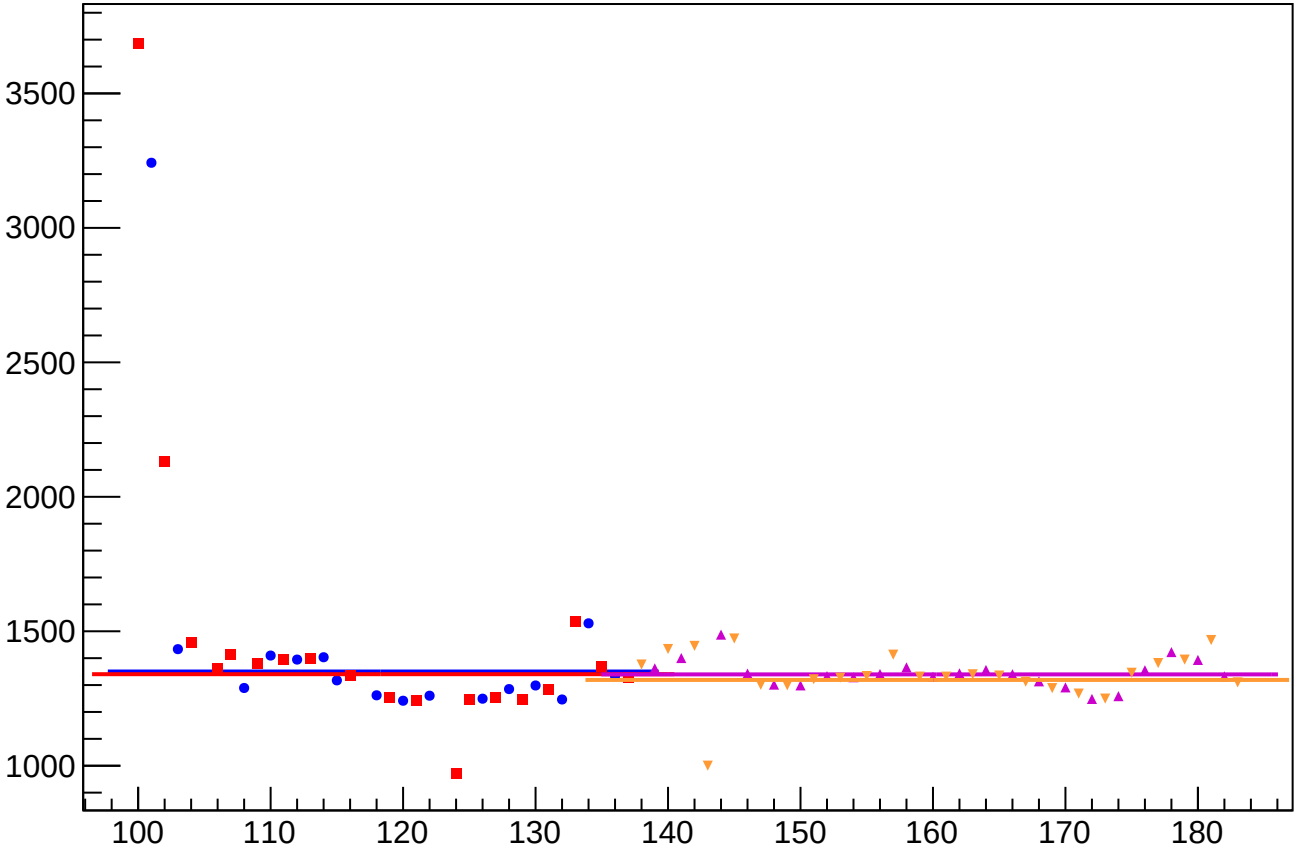
Left In: -2557.238+/-315.715 χ^2/NDF:24.7/21

+ sign 1648.695+/-260.554 χ^2/NDF: 47.1/39

All: -332.999+/-186.710 χ^2/NDF: 212.3/80

- sign -2424.655+/-267.685 χ^2/NDF: 46.2/40

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1319.080+/-0.214 χ^2/NDF:247339.9/23

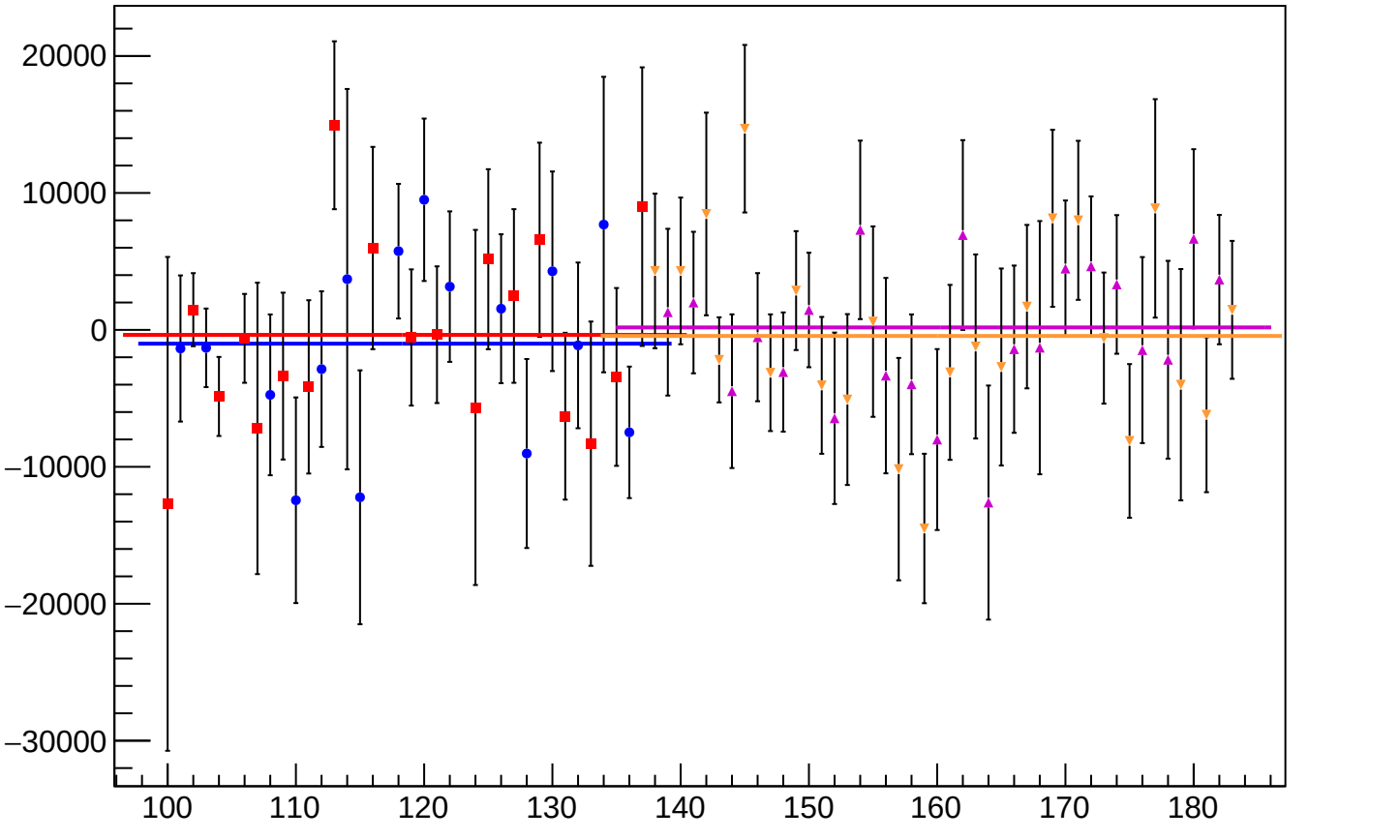
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1339.704+/-0.223 χ^2/NDF:52884.2/21

+ sign 1327.198+/-0.184 χ^2/NDF: 746932.8/39

All: 1333.383+/-0.132 χ^2/NDF: 1074319.0/80

- sign 1339.908+/-0.189 χ^2/NDF: 325070.7/40



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -444.550+/-1131.226 χ^2/NDF:28.4/23

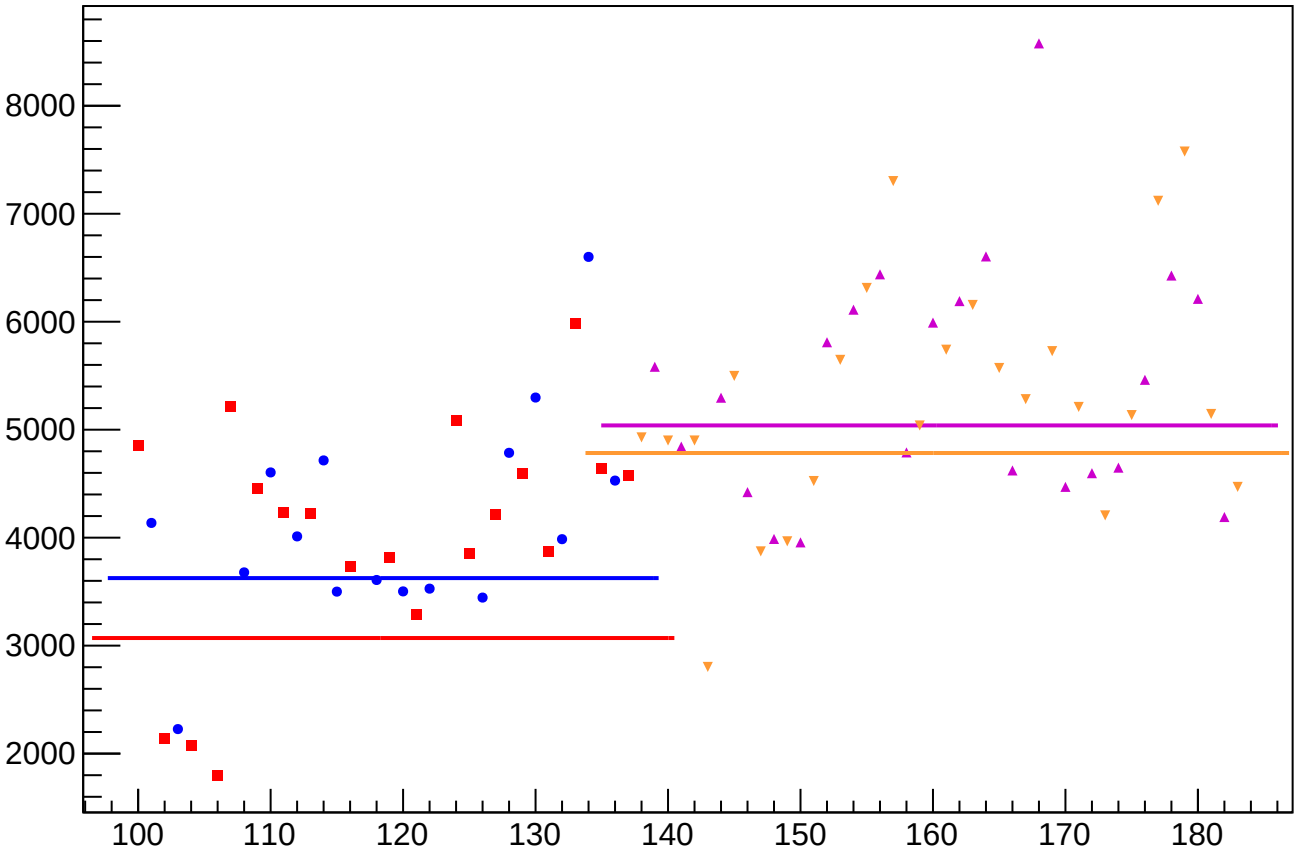
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: 179.760+/-1211.229 χ^2/NDF:13.1/21

+ sign -665.766+/-880.991 χ^2/NDF: 43.1/39

All: -370.951+/-612.954 χ^2/NDF: 72.8/80

- sign -94.335+/-853.365 χ^2/NDF: 29.5/40



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4784.100+/-0.800 χ^2/NDF:2004882.8/23

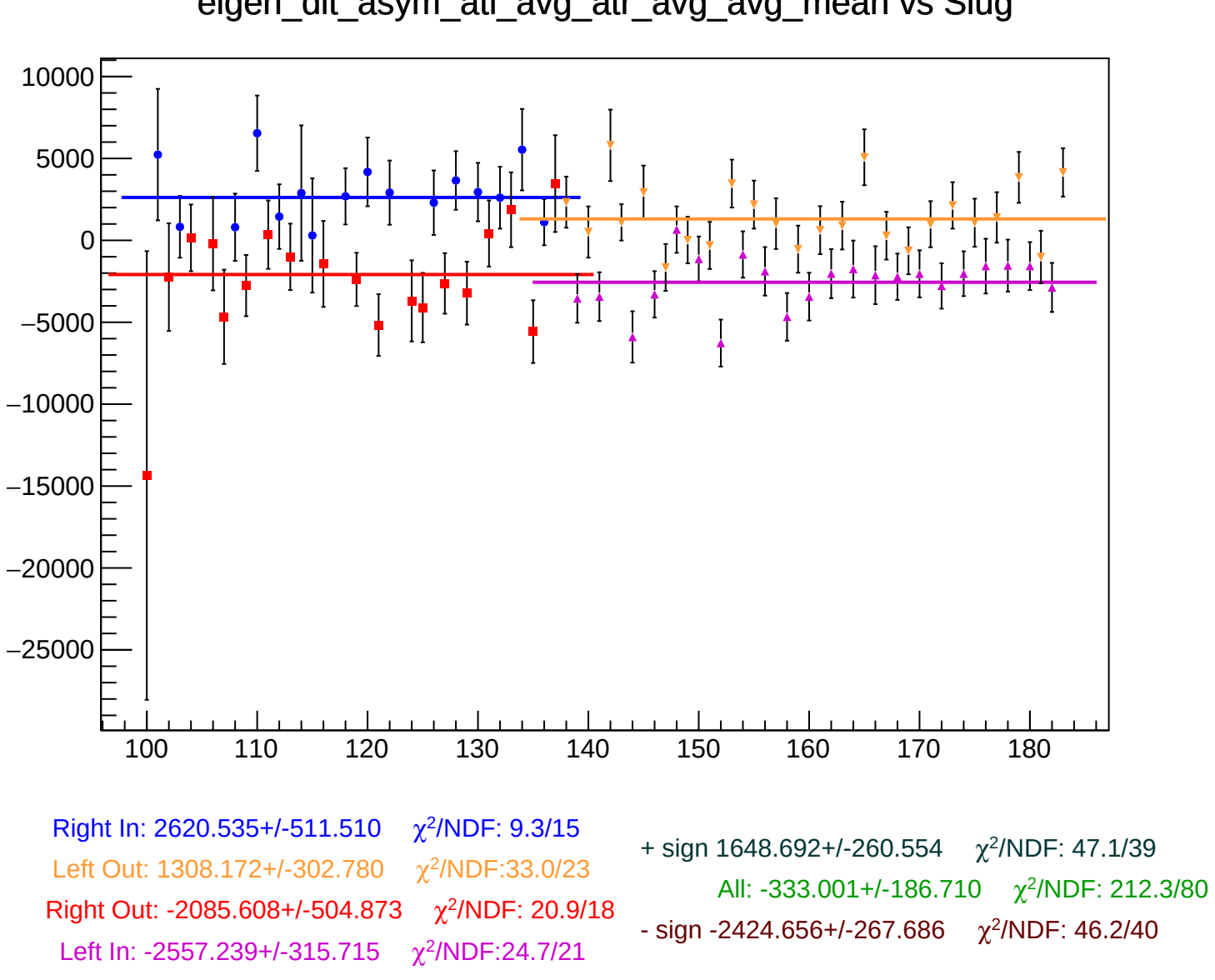
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5039.567+/-0.856 χ^2/NDF:1204289.7/21

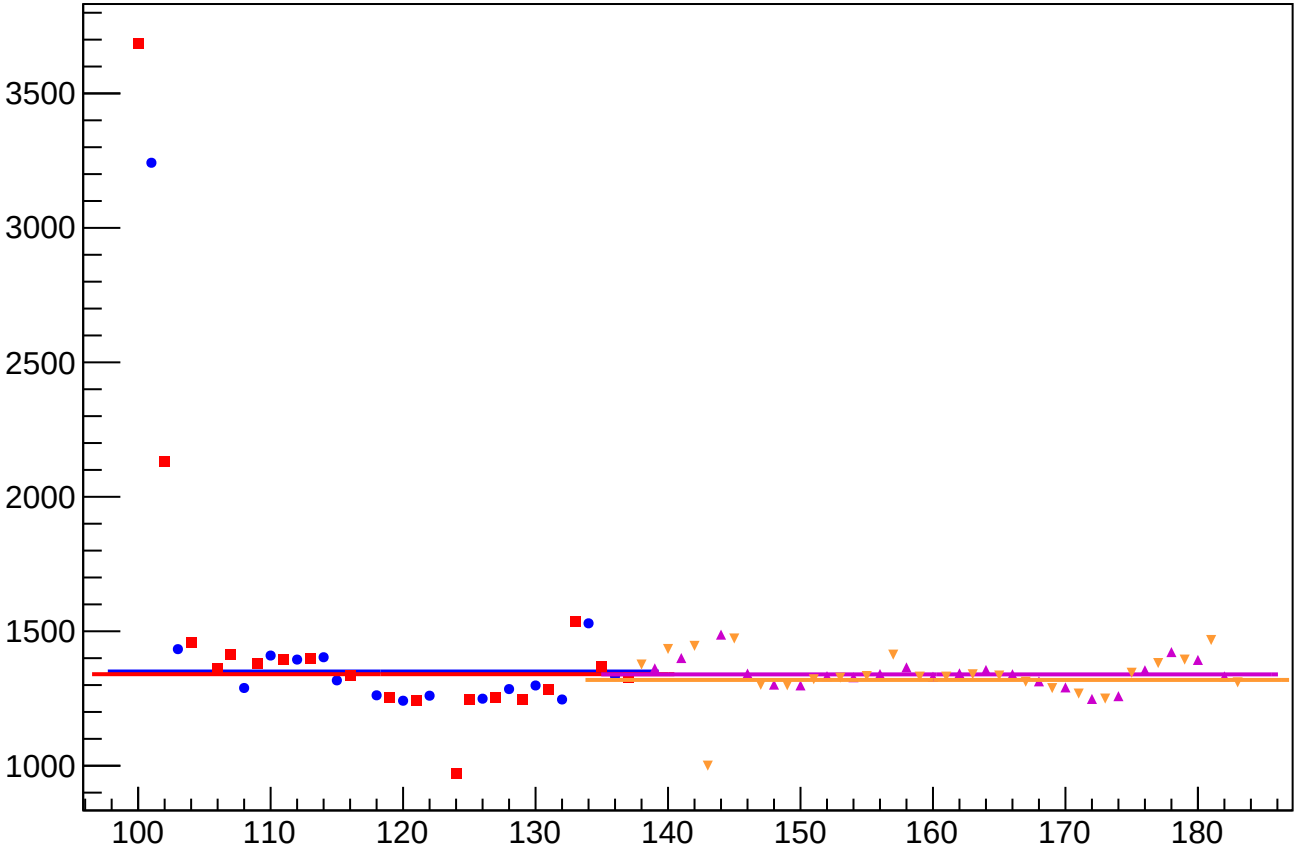
+ sign 4328.217+/-0.623 χ^2/NDF: 3775283.2/39

All: 4183.585+/-0.433 χ^2/NDF: 9584811.0/80

- sign 4047.882+/-0.603 χ^2/NDF: 5705049.6/40


eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 2620.535+/-511.510 χ²/NDF: 9.3/15
Left Out: 1308.172+/-302.780 χ²/NDF:33.0/23
Right Out: -2085.608+/-504.873 χ²/NDF: 20.9/18
Left In: -2557.239+/-315.715 χ²/NDF:24.7/21
+ sign 1648.692+/-260.554 χ²/NDF: 47.1/39
All: -333.001+/-186.710 χ²/NDF: 212.3/80
- sign -2424.656+/-267.686 χ²/NDF: 46.2/40

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1319.081+/-0.214 χ^2/NDF:247342.5/23

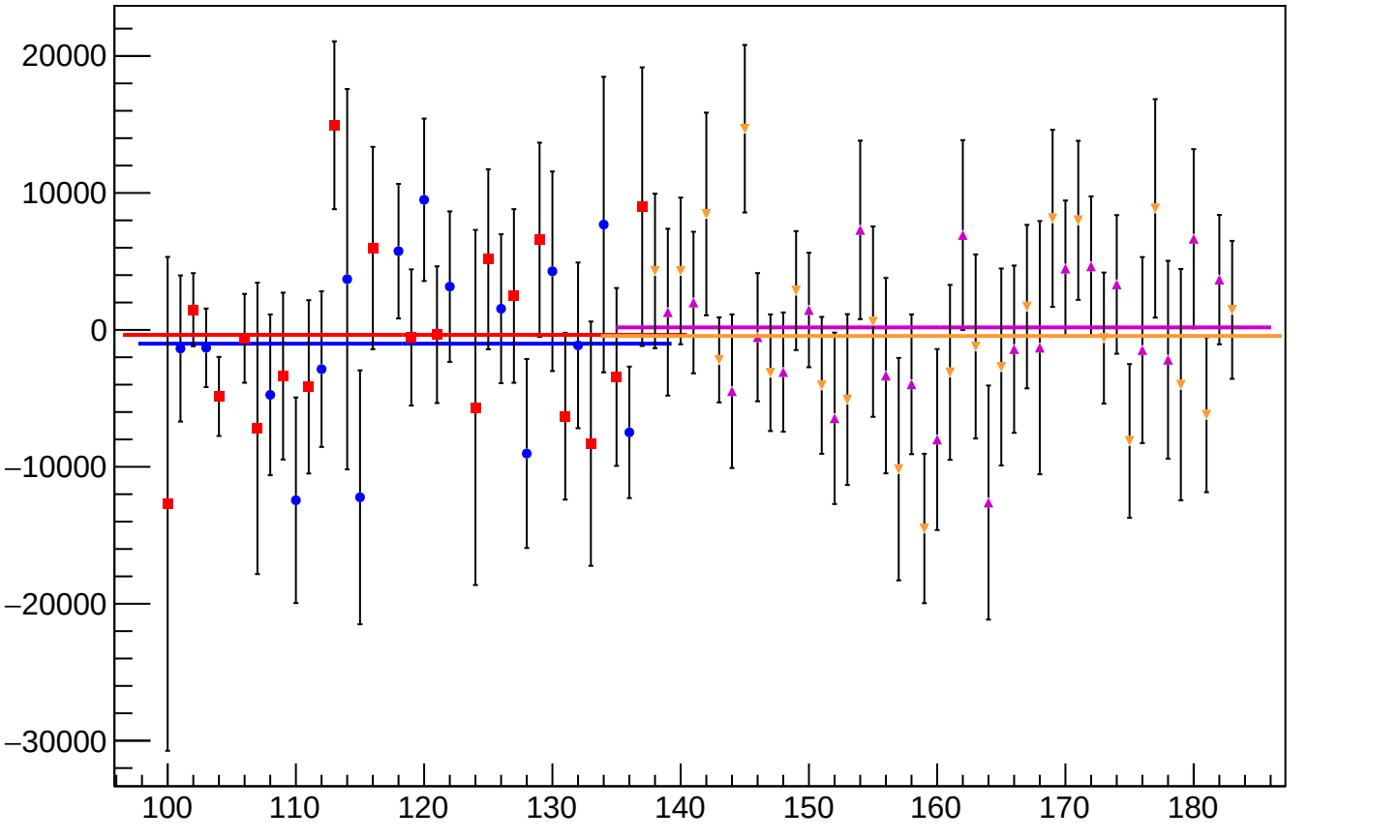
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1339.705+/-0.223 χ^2/NDF:52886.8/21

+ sign 1327.199+/-0.184 χ^2/NDF: 746934.9/39

All: 1333.383+/-0.132 χ^2/NDF: 1074322.6/80

- sign 1339.909+/-0.189 χ^2/NDF: 325072.3/40



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -444.554+/-1131.228 χ^2/NDF:28.4/23

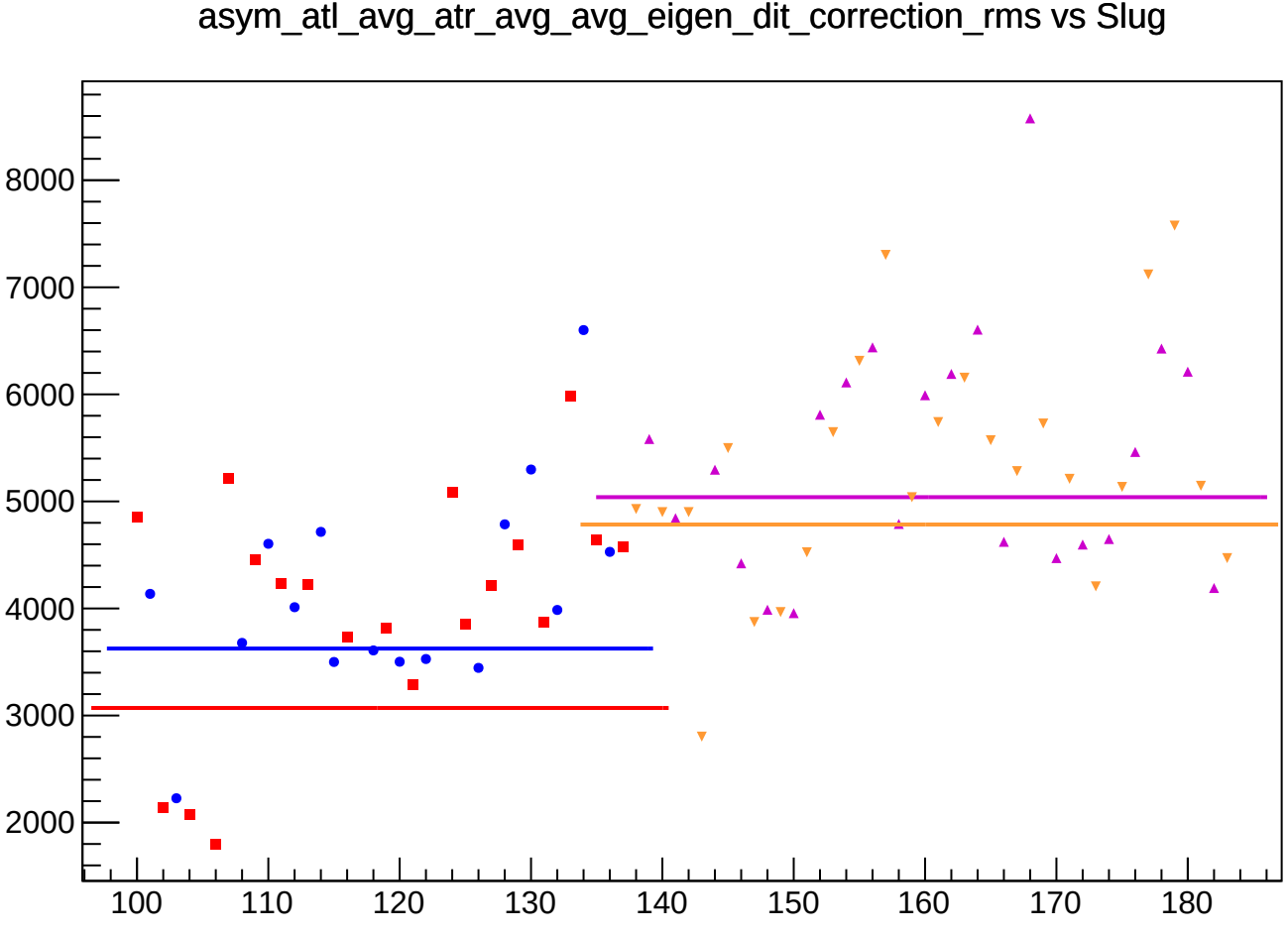
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

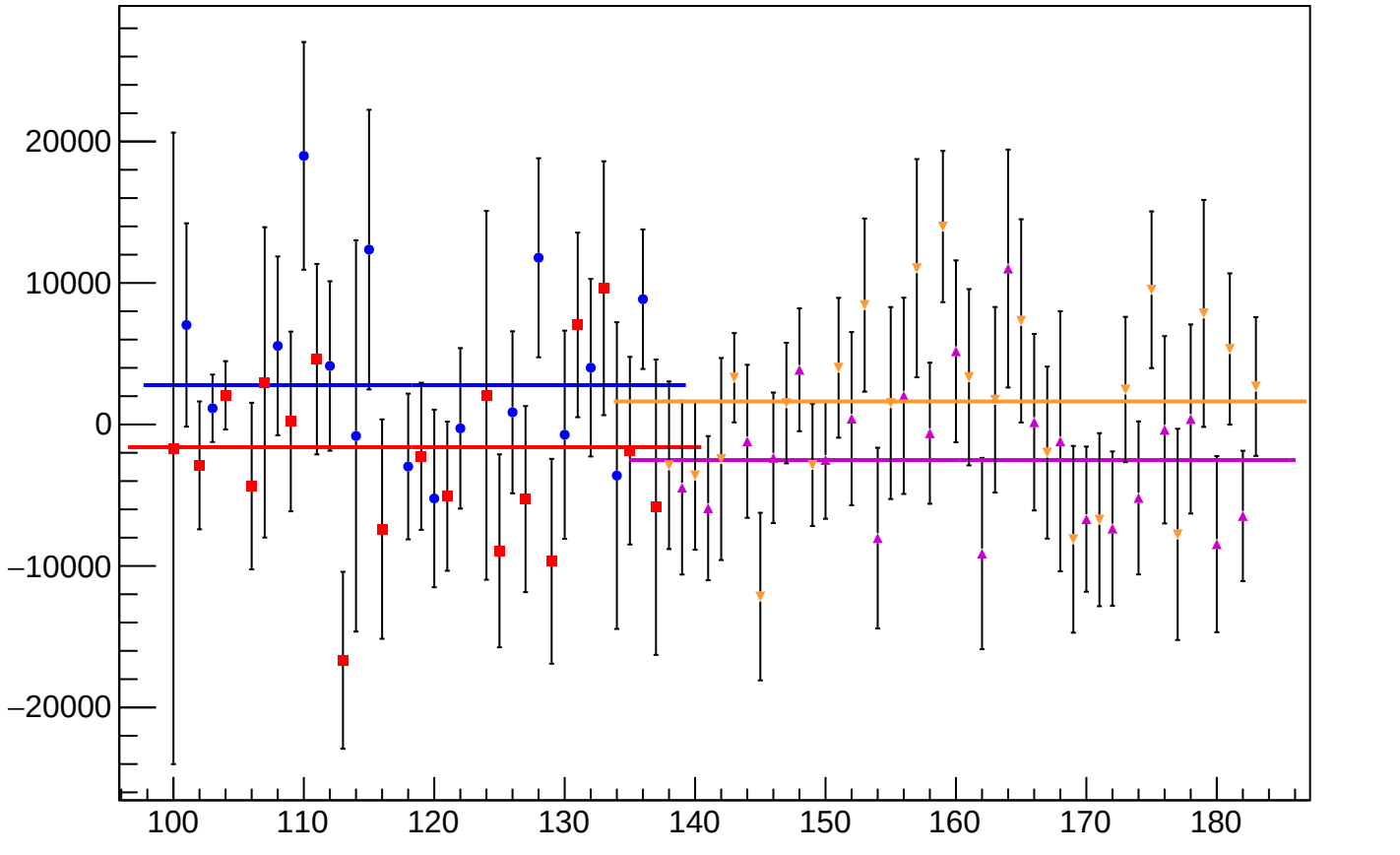
Left In: 179.761+/-1211.231 χ^2/NDF:13.1/21

\+ sign -665.766+/-880.991 χ^2/NDF: 43.1/39

All: -370.951+/-612.954 χ^2/NDF: 72.8/80

\- sign -94.337+/-853.364 χ^2/NDF: 29.5/40


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3625.503+/-0.993 χ²/NDF: 944907.6/15
Left Out: 4784.108+/-0.800 χ²/NDF:2004884.4/23
Right Out: 3070.434+/-0.850 χ²/NDF: 1838662.0/18
Left In: 5039.575+/-0.856 χ²/NDF:1204293.5/21
+ sign 4328.216+/-0.623 χ²/NDF: 3775312.0/39
All: 4183.582+/-0.433 χ²/NDF: 9584895.5/80
- sign 4047.878+/-0.603 χ²/NDF: 5705102.5/40



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1629.574+/-1125.819 χ^2/NDF:26.9/23

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

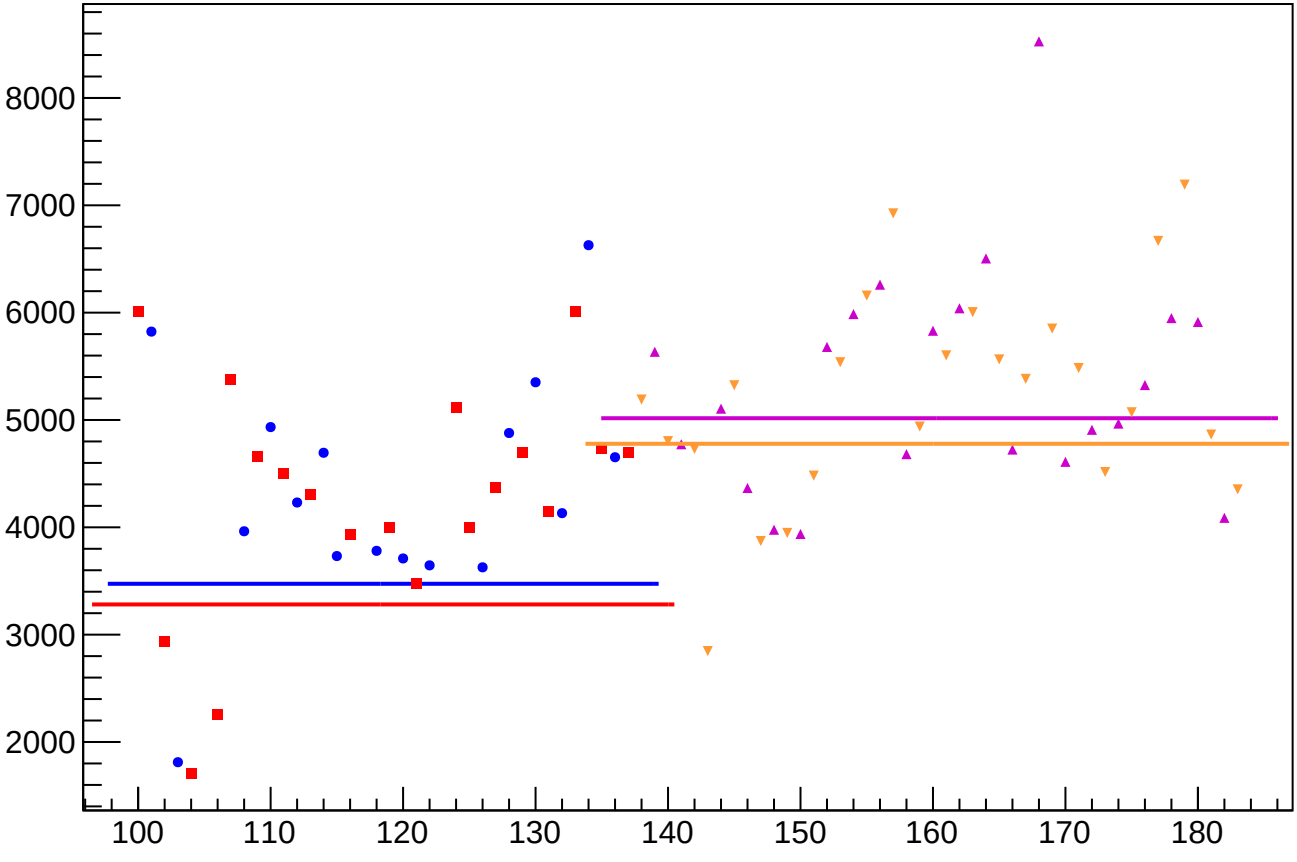
Left In: -2513.256+/-1202.880 χ^2/NDF:13.1/21

+ sign 2085.871+/-874.718 χ^2/NDF: 40.5/39

All: 36.236+/-625.306 χ^2/NDF: 81.9/80

- sign -2105.900+/-894.239 χ^2/NDF: 30.2/40

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4778.271+/-0.796 χ^2/NDF:1782405.0/23

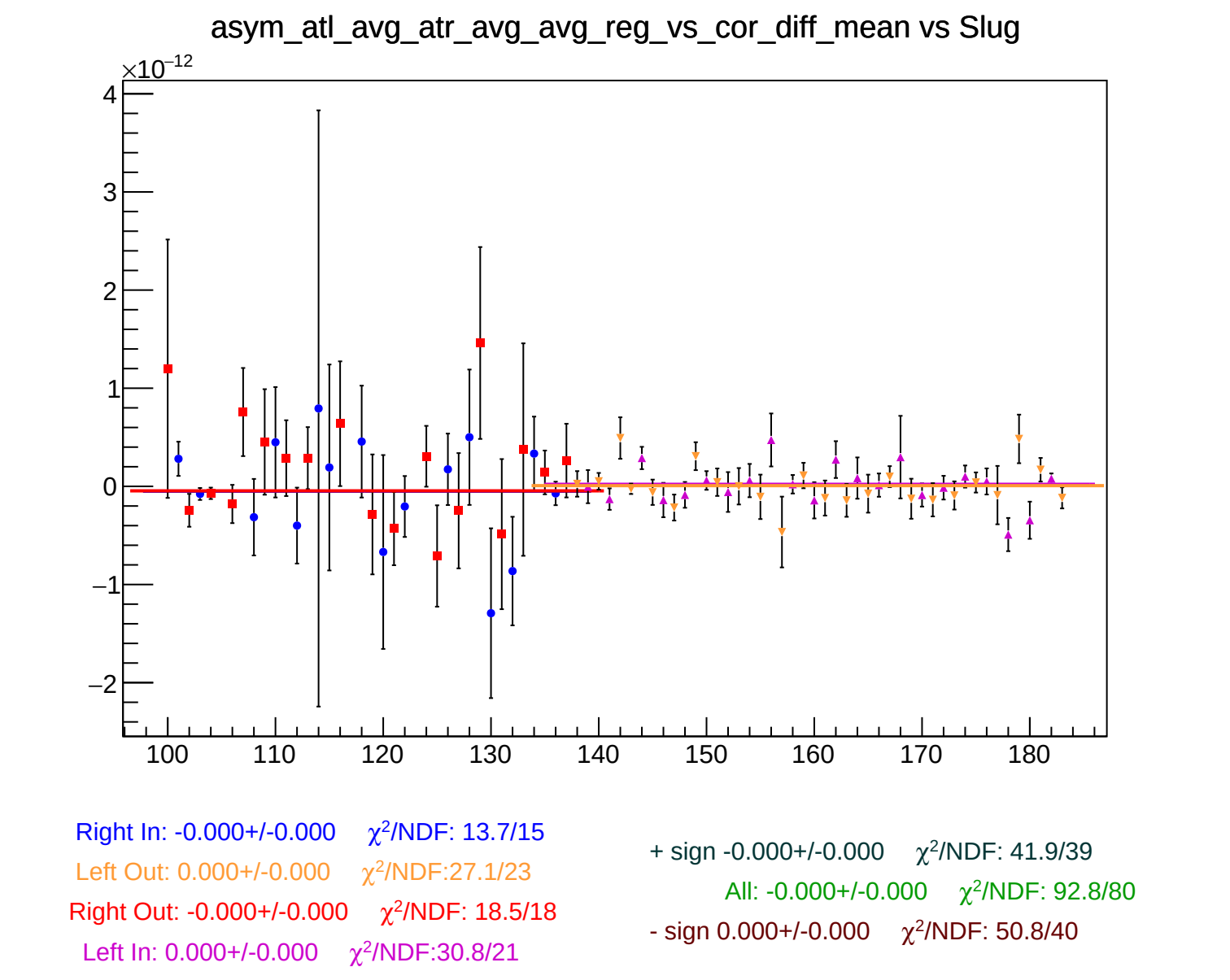
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

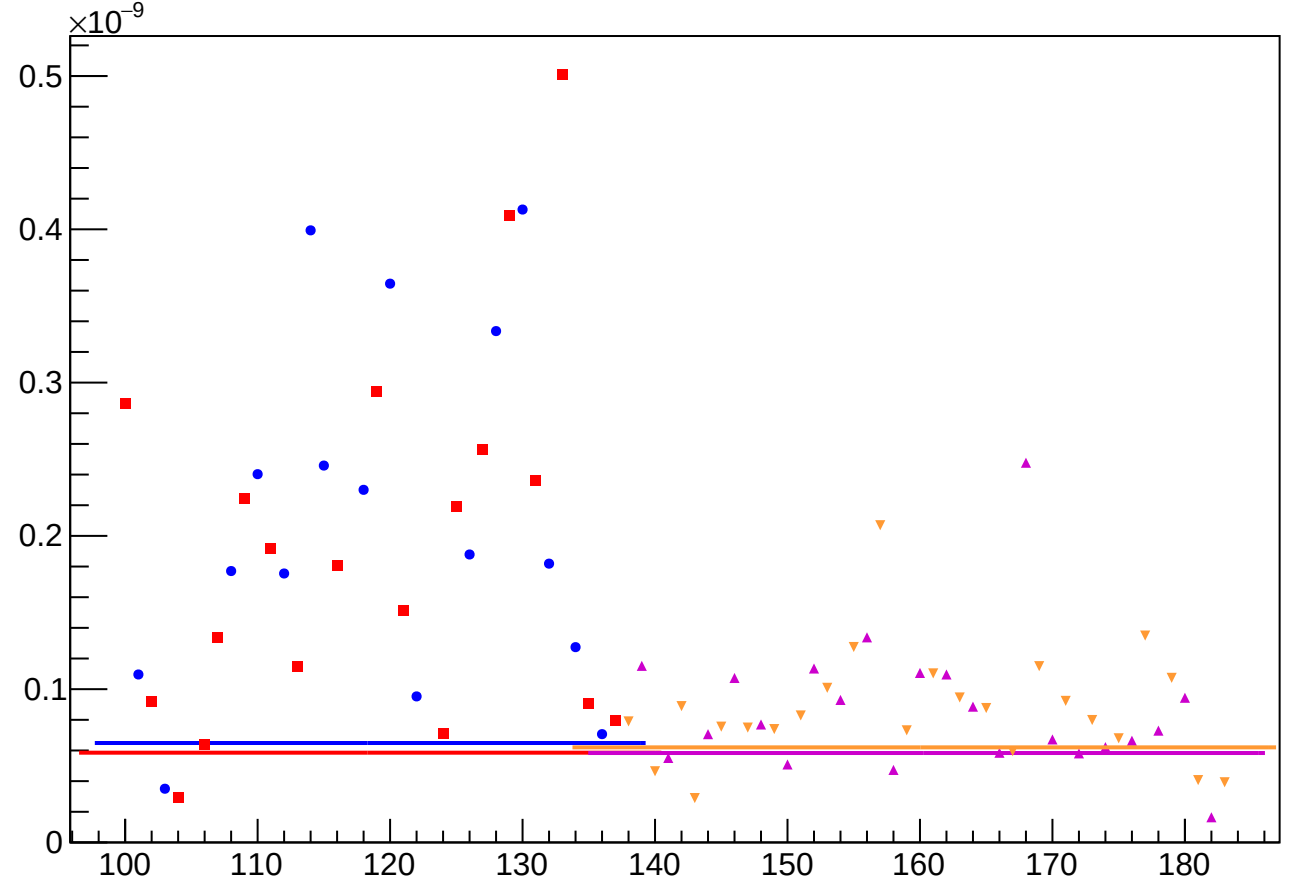
Left In: 5016.369+/-0.851 χ^2/NDF:1073502.8/21

+ sign 4261.303+/-0.619 χ^2/NDF: 4690409.1/39

All: 4245.148+/-0.441 χ^2/NDF: 9530206.8/80

- sign 4228.472+/-0.628 χ^2/NDF: 4838411.3/40


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:30.8/21
+ sign -0.000+/-0.000 χ²/NDF: 41.9/39
All: -0.000+/-0.000 χ²/NDF: 92.8/80
- sign 0.000+/-0.000 χ²/NDF: 50.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2443158.1/23

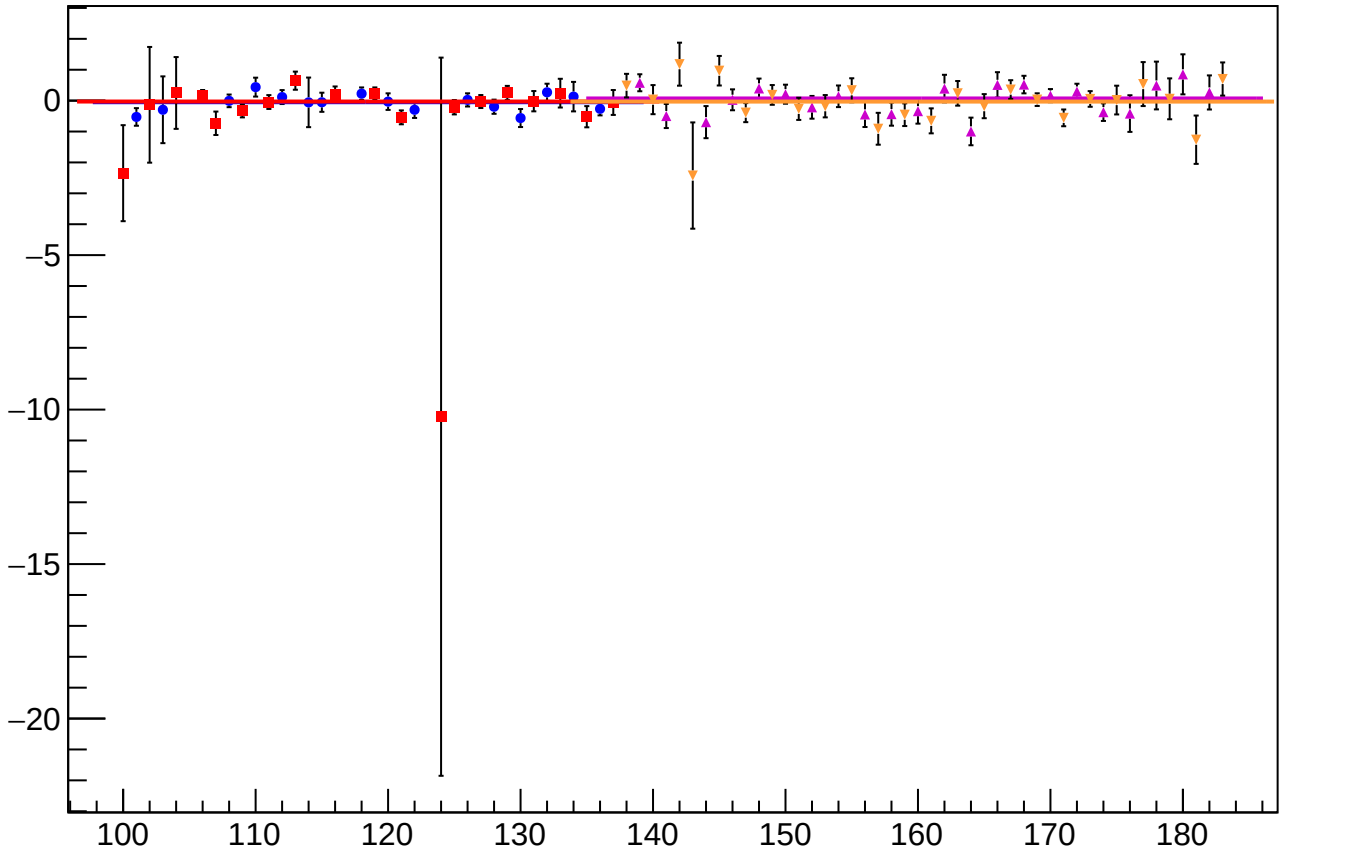
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2956481.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 5041390.0/39

All: 0.000+/-0.000 χ^2/NDF: 10887443.1/80

- sign 0.000+/-0.000 χ^2/NDF: 5811616.9/40



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.031+/-0.077 χ^2/NDF:32.3/23

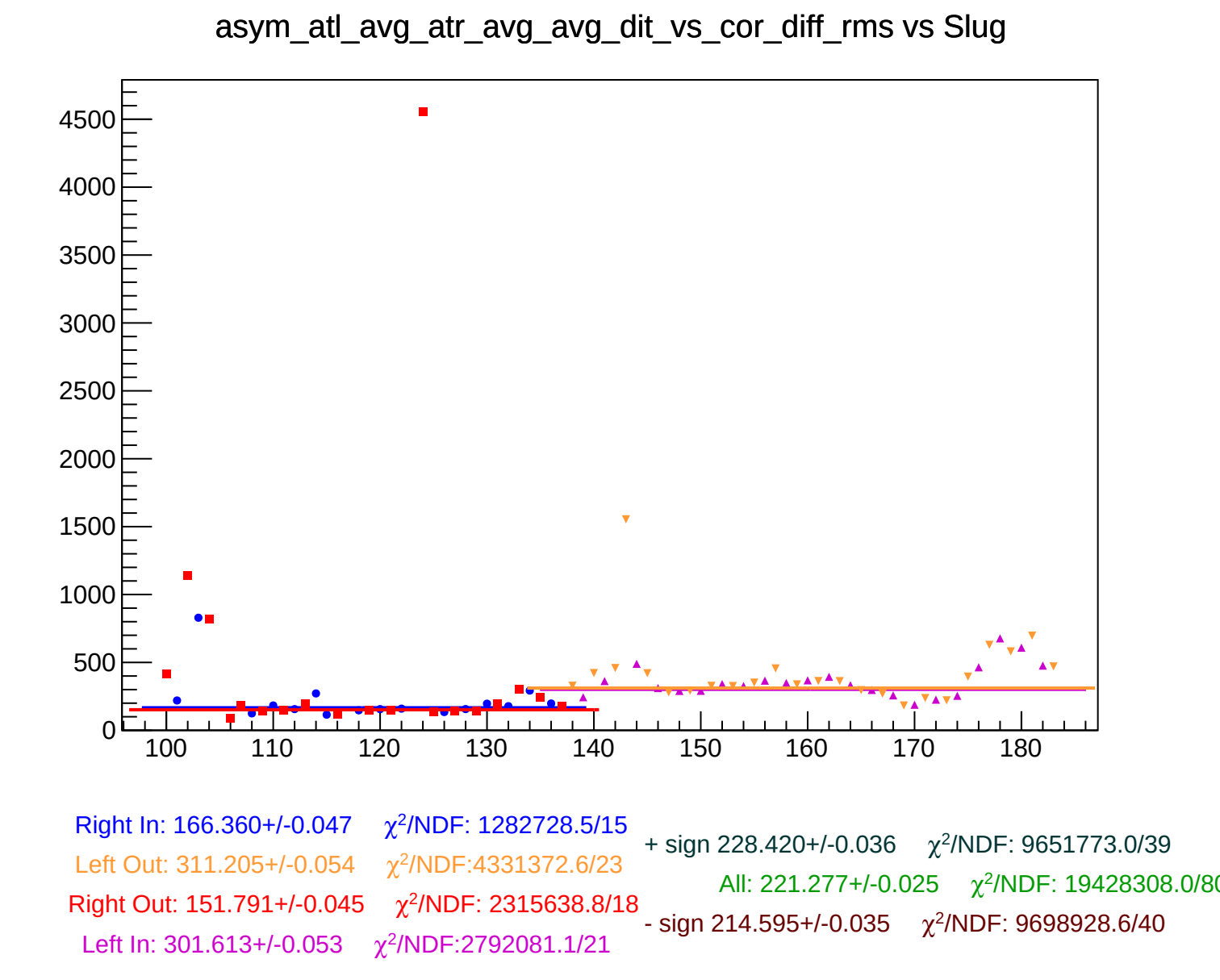
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

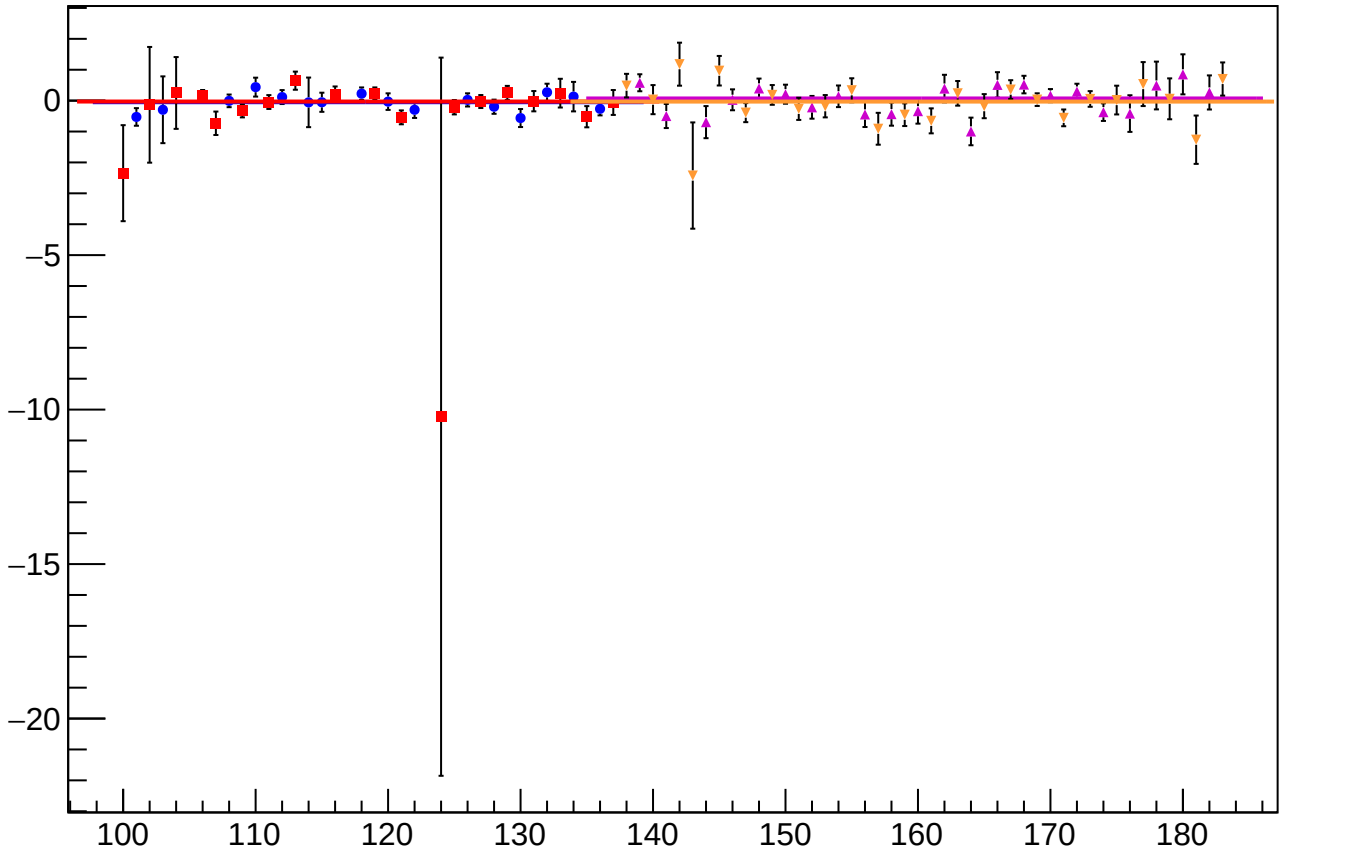
Left In: 0.070+/-0.075 χ^2/NDF:29.9/21

+ sign -0.042+/-0.050 χ^2/NDF: 47.2/39

All: -0.014+/-0.035 χ^2/NDF: 106.2/80

- sign 0.013+/-0.049 χ^2/NDF: 58.4/40


asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
Right In: 166.360+/-0.047 χ²/NDF: 1282728.5/15
Left Out: 311.205+/-0.054 χ²/NDF:4331372.6/23
Right Out: 151.791+/-0.045 χ²/NDF: 2315638.8/18
Left In: 301.613+/-0.053 χ²/NDF:2792081.1/21
+ sign 228.420+/-0.036 χ²/NDF: 9651773.0/39
All: 221.277+/-0.025 χ²/NDF: 19428308.0/80
- sign 214.595+/-0.035 χ²/NDF: 9698928.6/40



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.031+/-0.077 χ^2/NDF:32.3/23

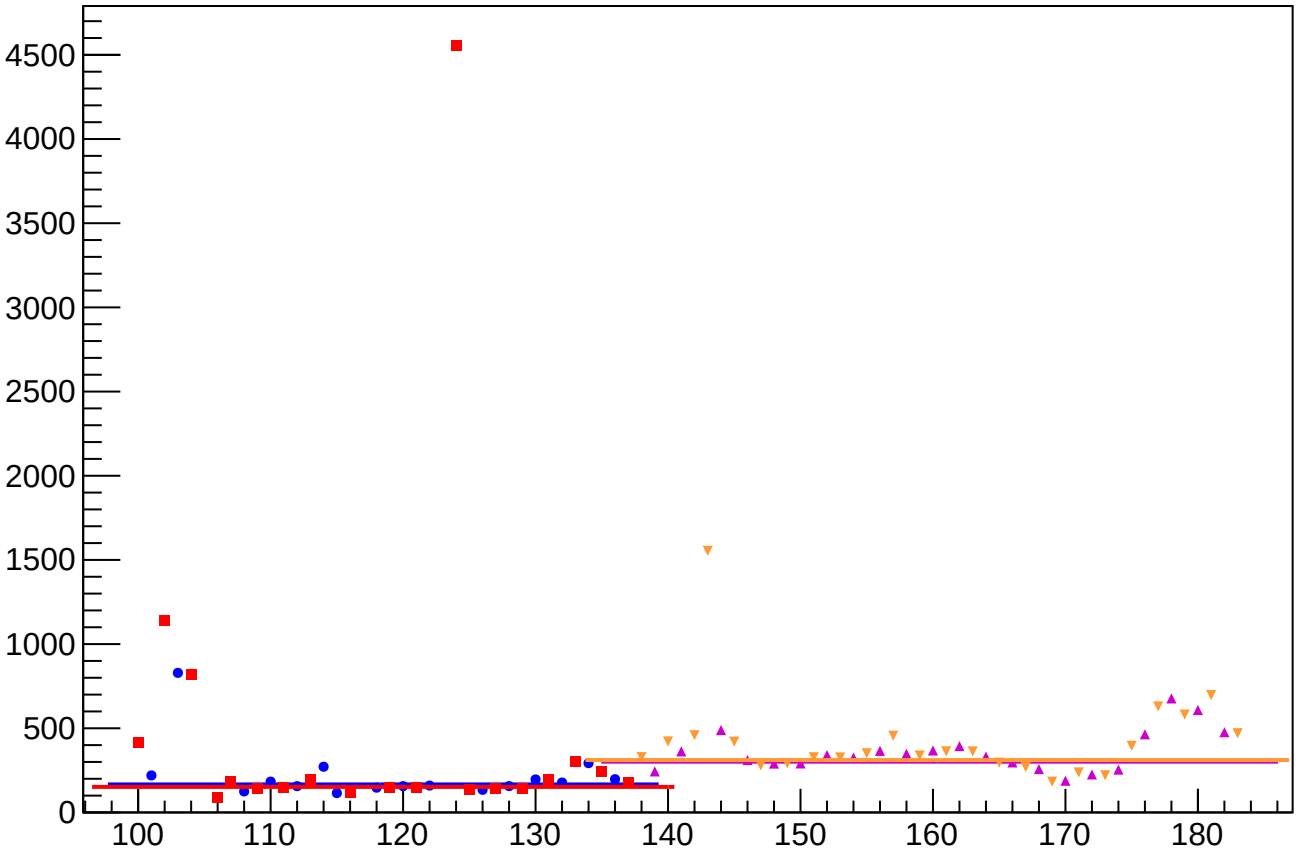
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.070+/-0.075 χ^2/NDF:29.9/21

+ sign -0.042+/-0.050 χ^2/NDF: 47.2/39

All: -0.014+/-0.035 χ^2/NDF: 106.2/80

- sign 0.013+/-0.049 χ^2/NDF: 58.4/40



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 311.205+/-0.054 χ^2/NDF:4331372.6/23

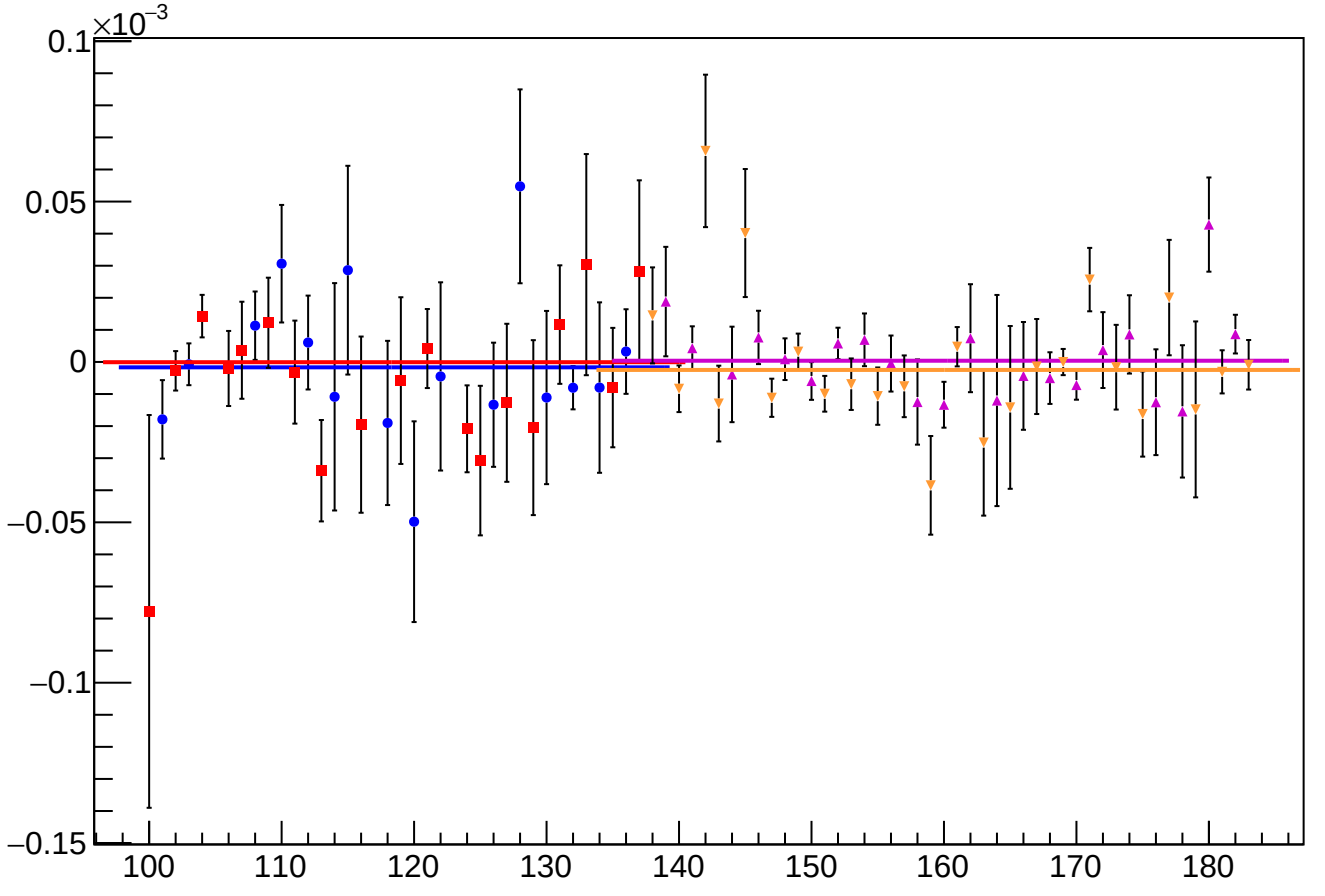
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 301.613+/-0.053 χ^2/NDF:2792081.1/21

+ sign 228.420+/-0.036 χ^2/NDF: 9651773.0/39

All: 221.277+/-0.025 χ^2/NDF: 19428308.0/80

- sign 214.595+/-0.035 χ^2/NDF: 9698928.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/23

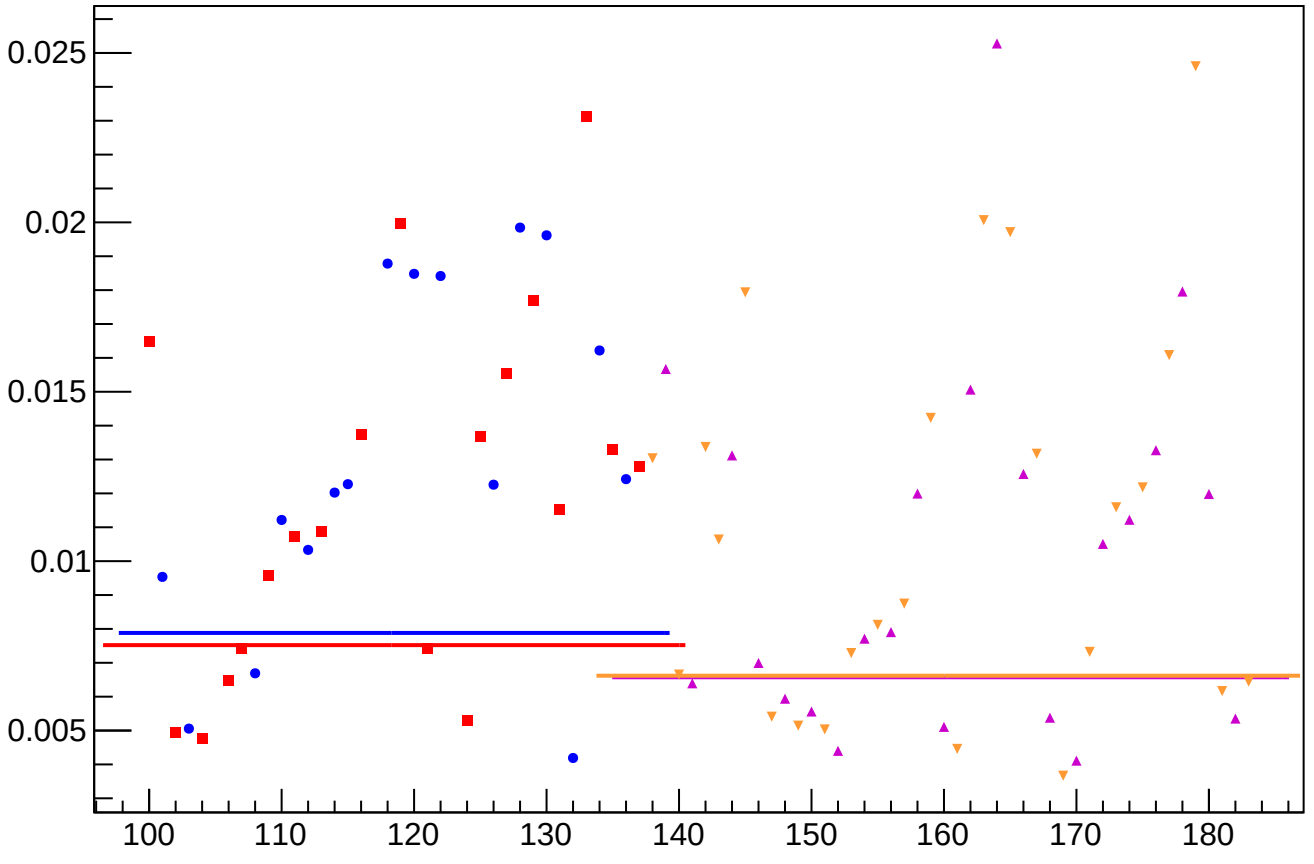
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:25.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 56.9/39

All: -0.000+/-0.000 χ^2/NDF: 103.7/80

- sign 0.000+/-0.000 χ^2/NDF: 45.5/40



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7424978.4/23

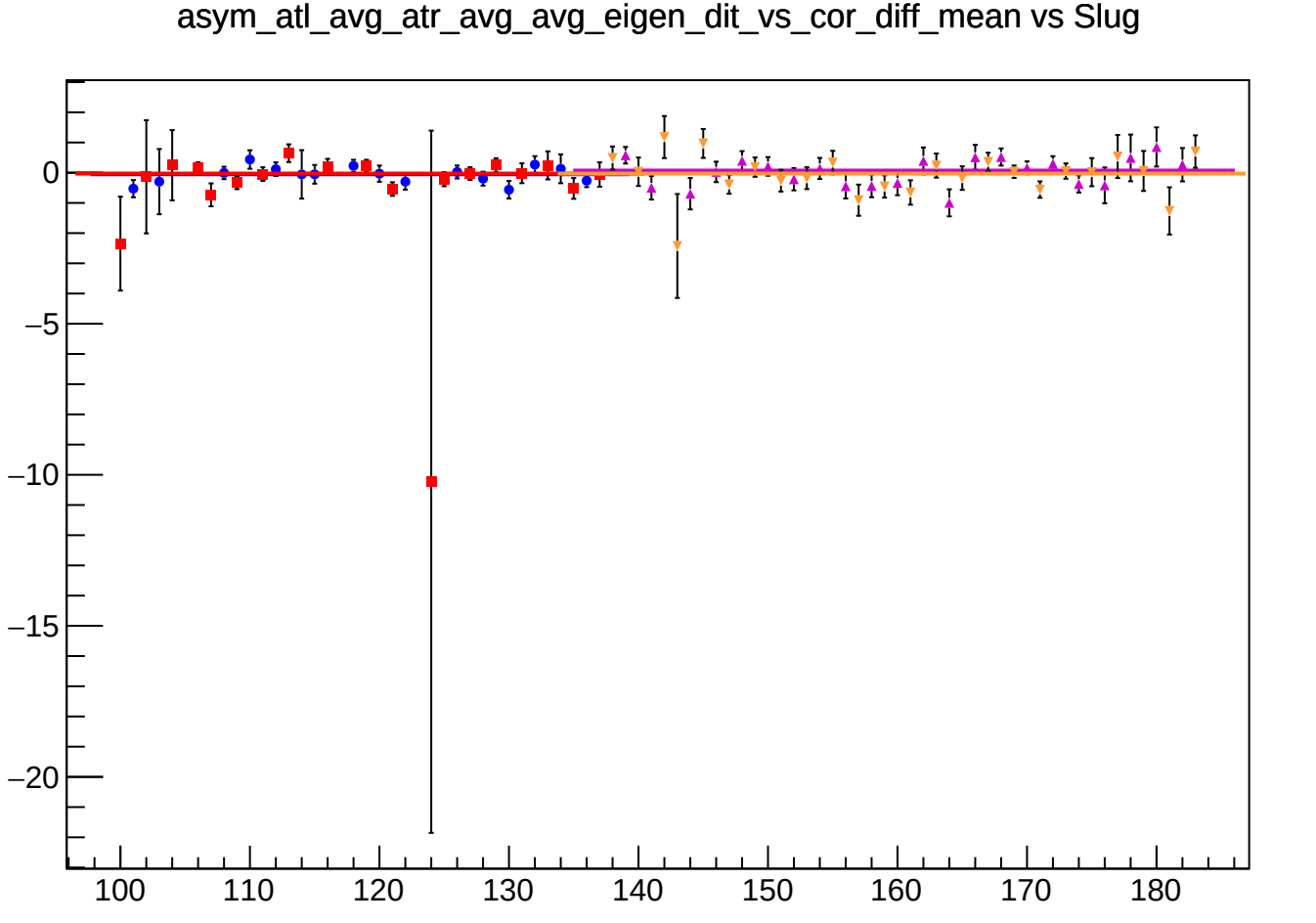
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:5772458.0/21

+ sign 0.007+/-0.000 χ^2/NDF: 10945063.3/39

All: 0.007+/-0.000 χ^2/NDF: 19833691.6/80

- sign 0.007+/-0.000 χ^2/NDF: 8886151.9/40



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.031+/-0.077 χ^2/NDF:32.3/23

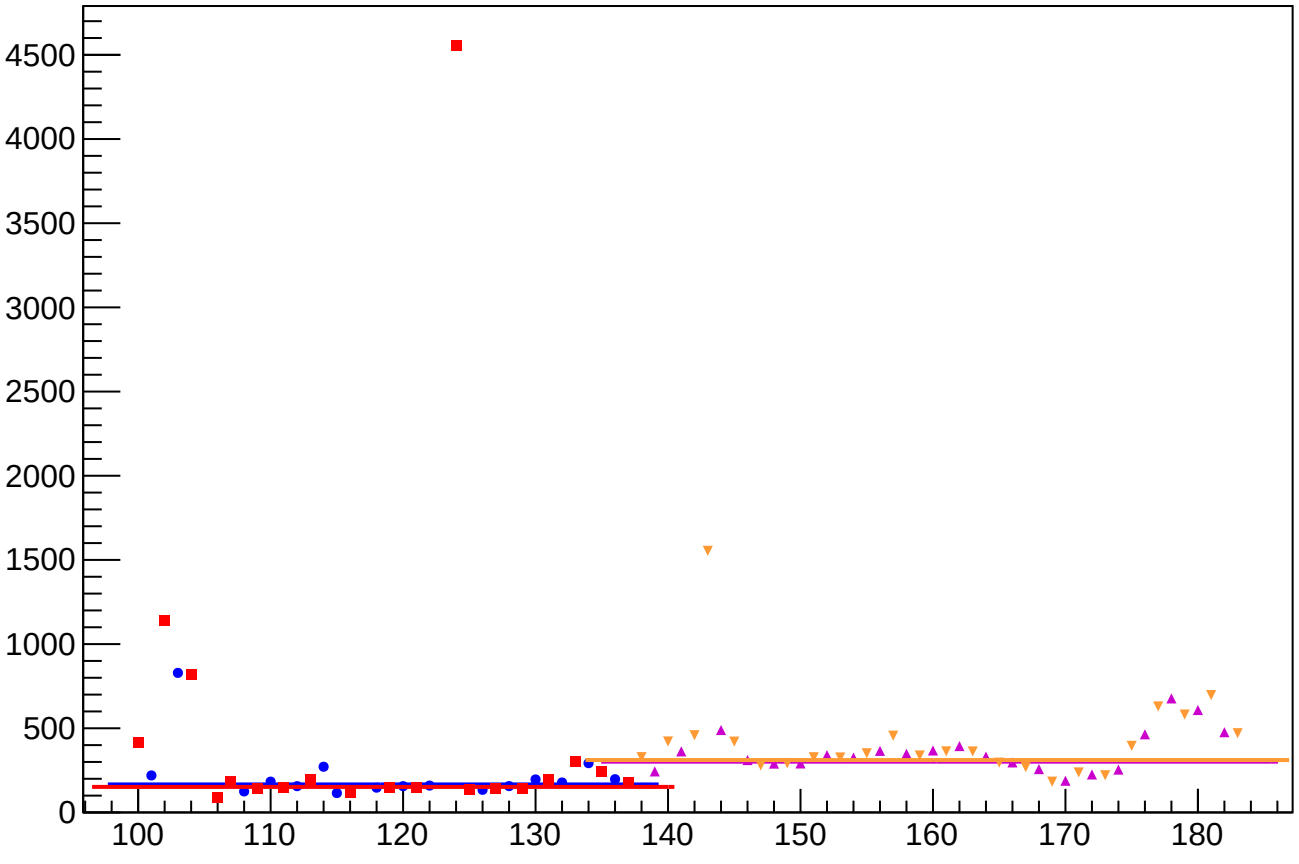
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.070+/-0.075 χ^2/NDF:29.9/21

+ sign -0.042+/-0.050 χ^2/NDF: 47.2/39

All: -0.014+/-0.035 χ^2/NDF: 106.2/80

- sign 0.013+/-0.049 χ^2/NDF: 58.4/40



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 311.205+/-0.054 χ^2/NDF:4331583.2/23

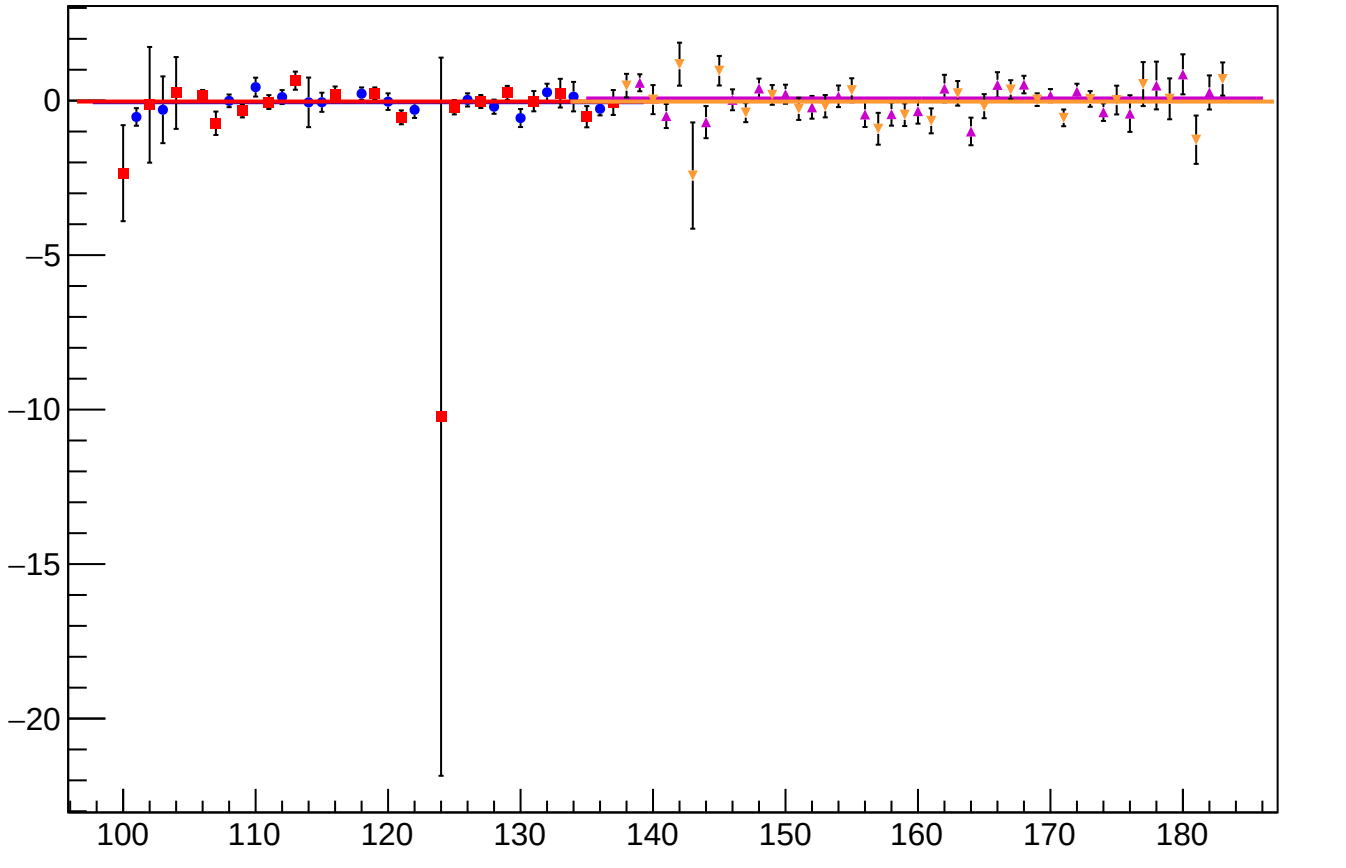
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 301.614+/-0.053 χ^2/NDF:2792223.8/21

+ sign 228.419+/-0.036 χ^2/NDF: 9652022.8/39

All: 221.276+/-0.025 χ^2/NDF: 19428859.0/80

- sign 214.594+/-0.035 χ^2/NDF: 9699225.6/40



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.031+/-0.077 χ^2/NDF:32.3/23

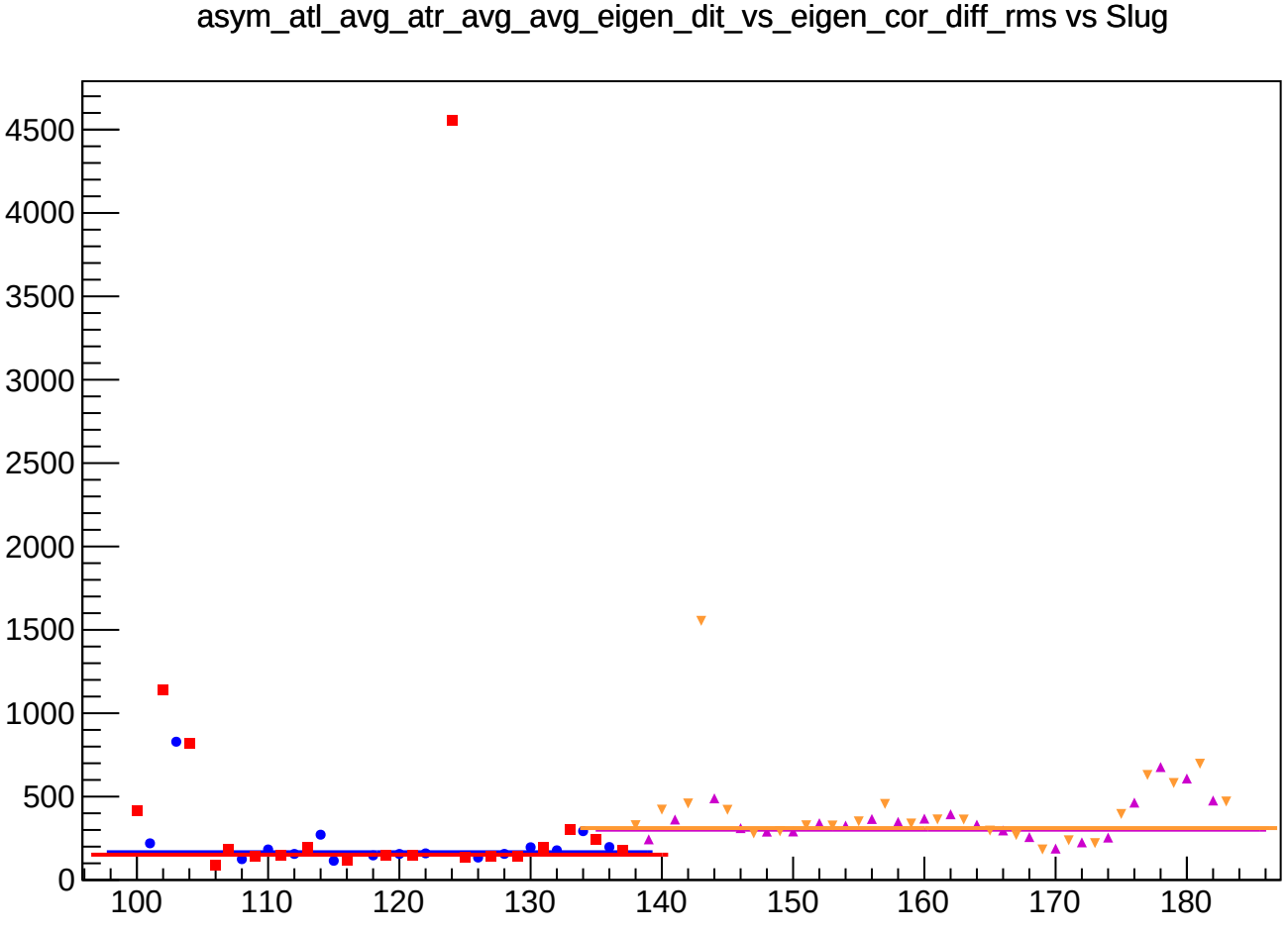
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

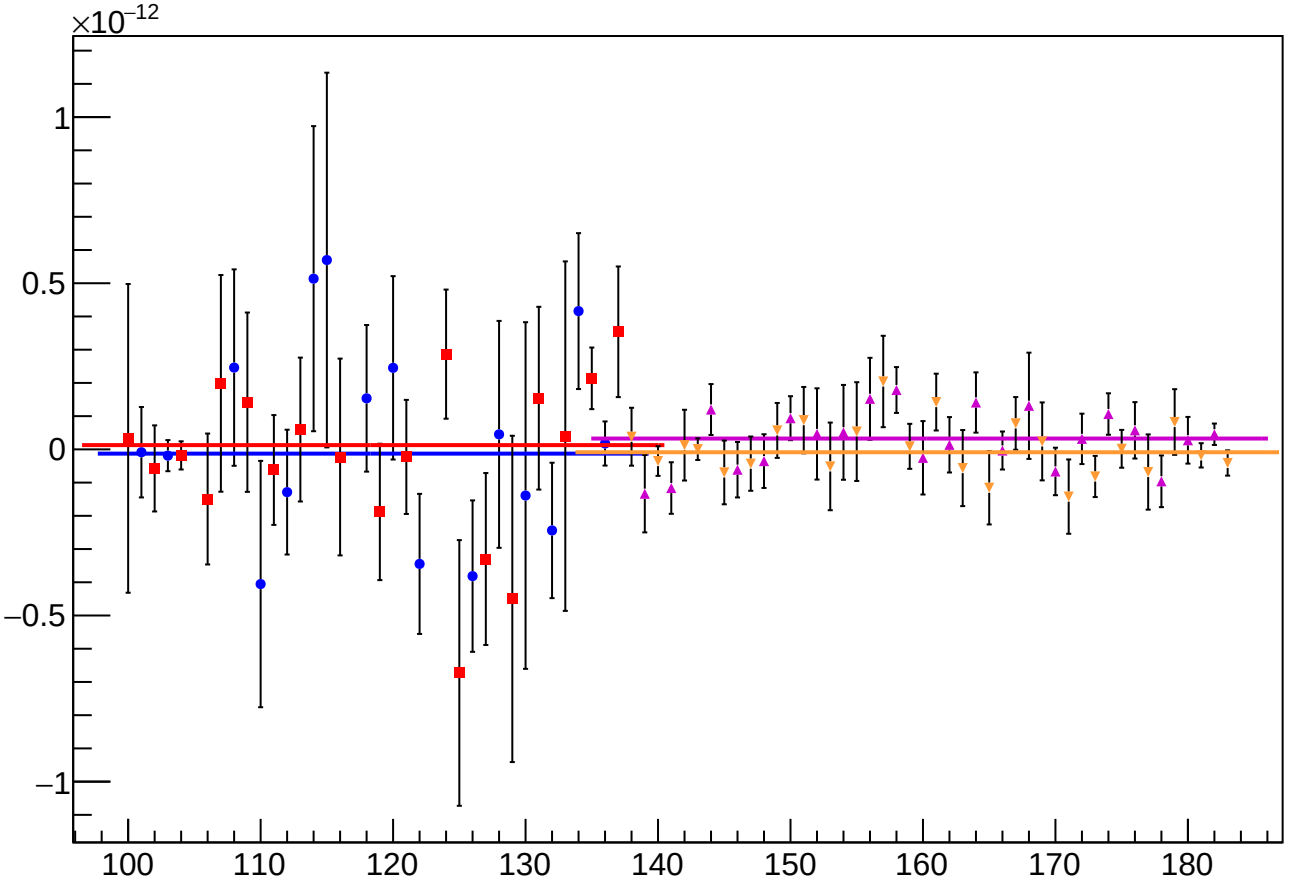
Left In: 0.070+/-0.075 χ^2/NDF:29.9/21

+ sign -0.042+/-0.050 χ^2/NDF: 47.2/39

All: -0.014+/-0.035 χ^2/NDF: 106.2/80

- sign 0.013+/-0.049 χ^2/NDF: 58.4/40


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
Right In: 166.359+/-0.047 χ²/NDF: 1282724.2/15
Left Out: 311.205+/-0.054 χ²/NDF:4331583.2/23
Right Out: 151.790+/-0.045 χ²/NDF: 2315641.8/18
Left In: 301.614+/-0.053 χ²/NDF:2792223.8/21
+ sign 228.419+/-0.036 χ²/NDF: 9652022.8/39
All: 221.276+/-0.025 χ²/NDF: 19428859.0/80
- sign 214.594+/-0.035 χ²/NDF: 9699225.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/23

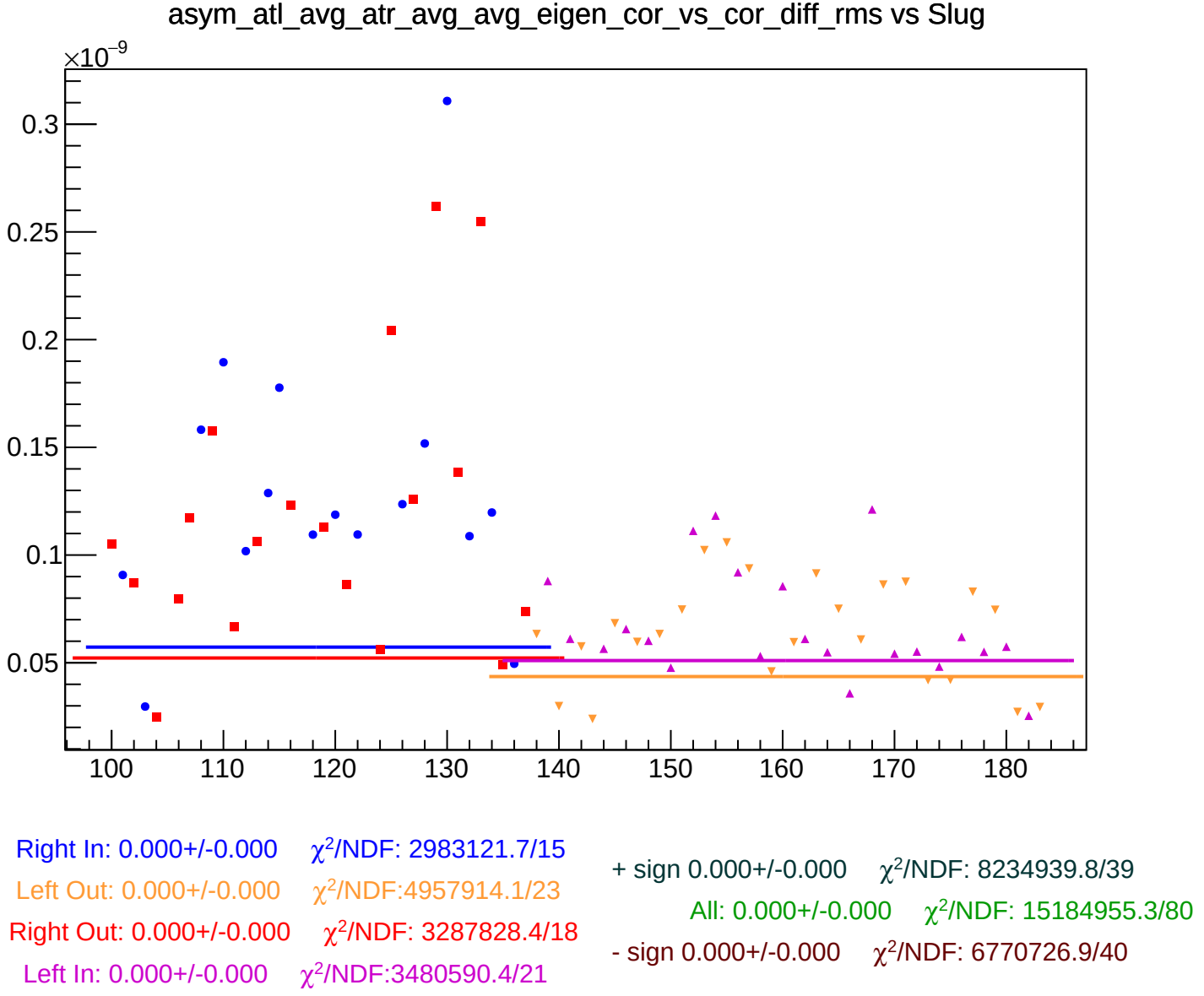
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.1/21

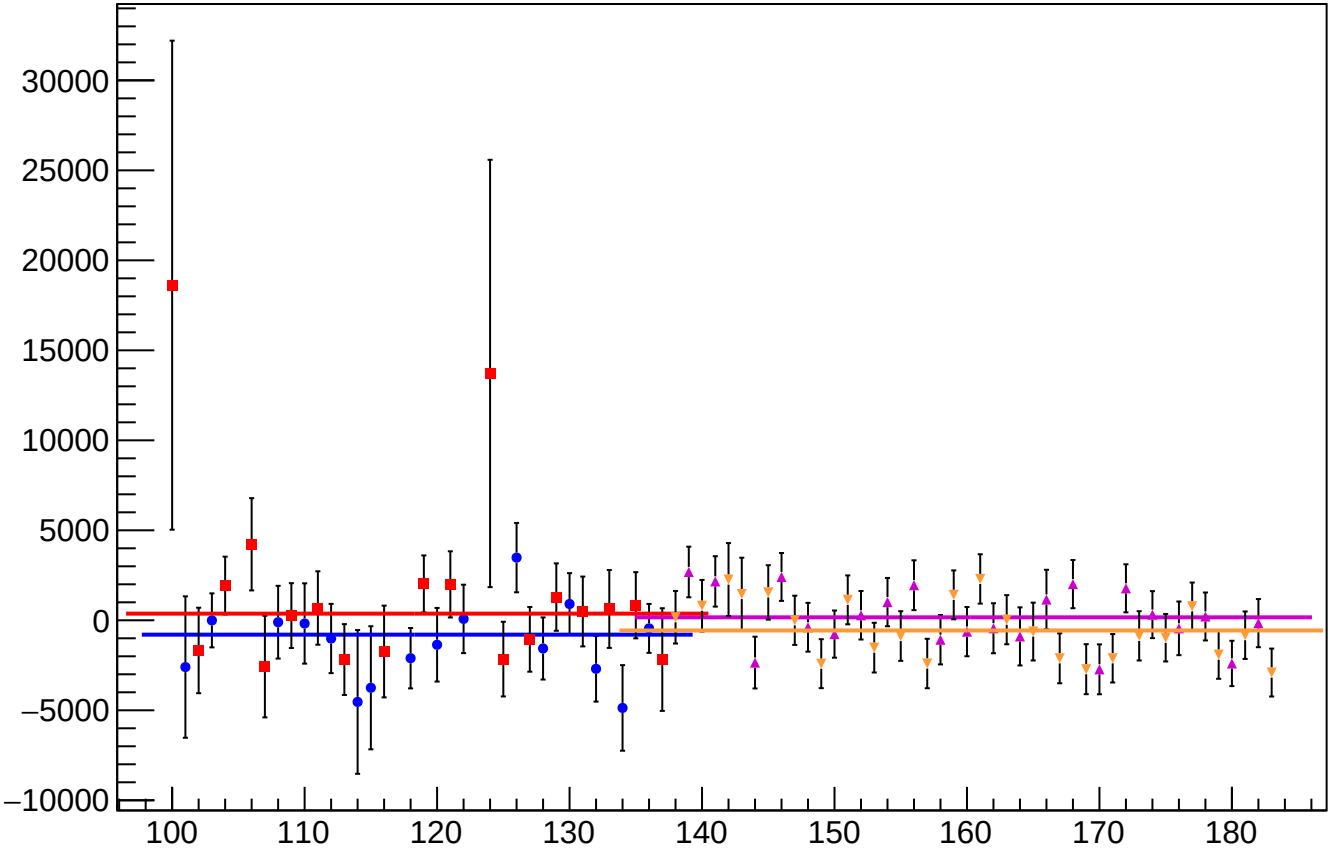
+ sign -0.000+/-0.000 χ^2/NDF: 32.1/39

All: 0.000+/-0.000 χ^2/NDF: 79.4/80

- sign 0.000+/-0.000 χ^2/NDF: 43.3/40


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:4957914.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:3480590.4/21
+ sign 0.000+/-0.000 χ²/NDF: 8234939.8/39
All: 0.000+/-0.000 χ²/NDF: 15184955.3/80
- sign 0.000+/-0.000 χ²/NDF: 6770726.9/40

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -565.016+/-288.147 χ^2/NDF:28.9/23

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

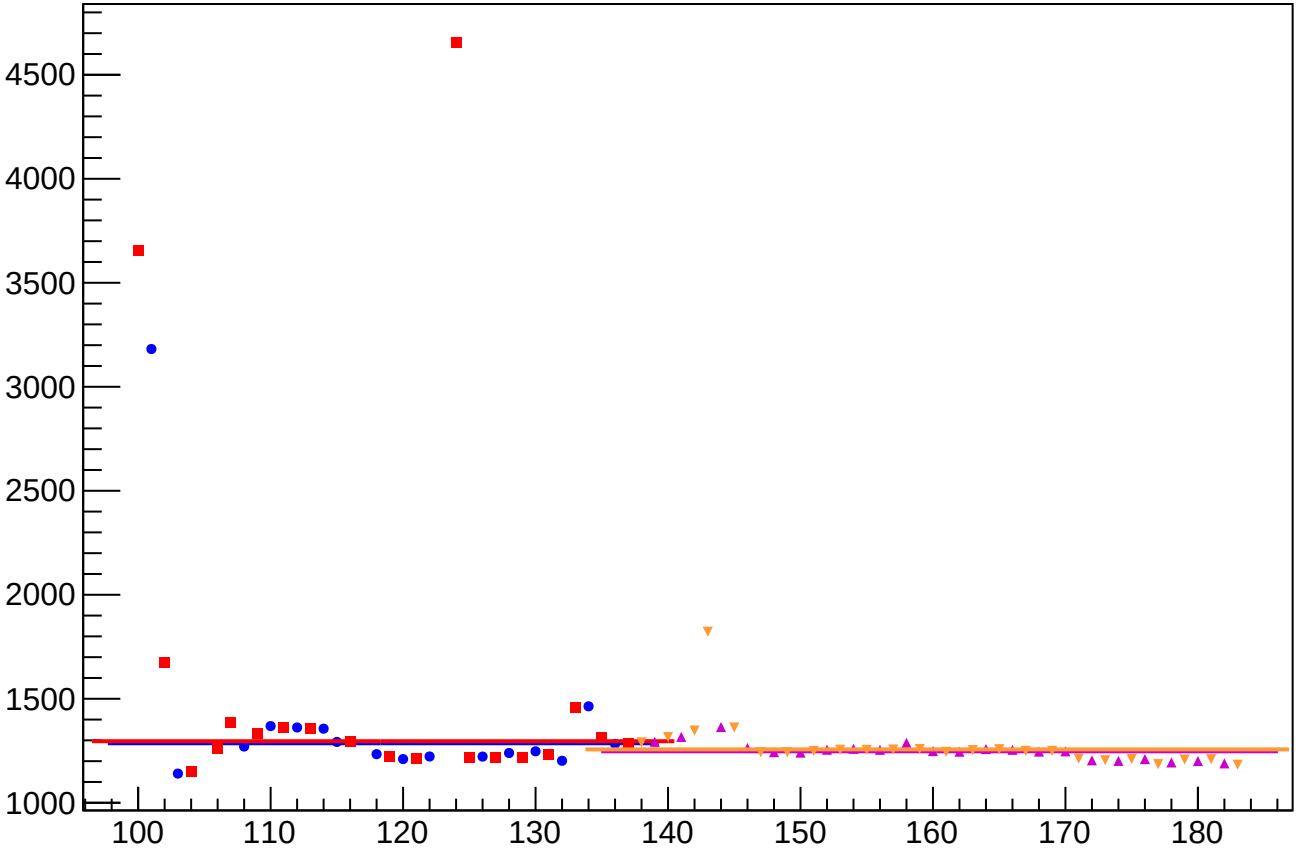
Left In: 164.744+/-293.807 χ^2/NDF:28.1/21

+ sign -625.162+/-248.050 χ^2/NDF: 42.5/39

All: -208.405+/-176.573 χ^2/NDF: 92.0/80

- sign 219.713+/-251.408 χ^2/NDF: 43.8/40

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

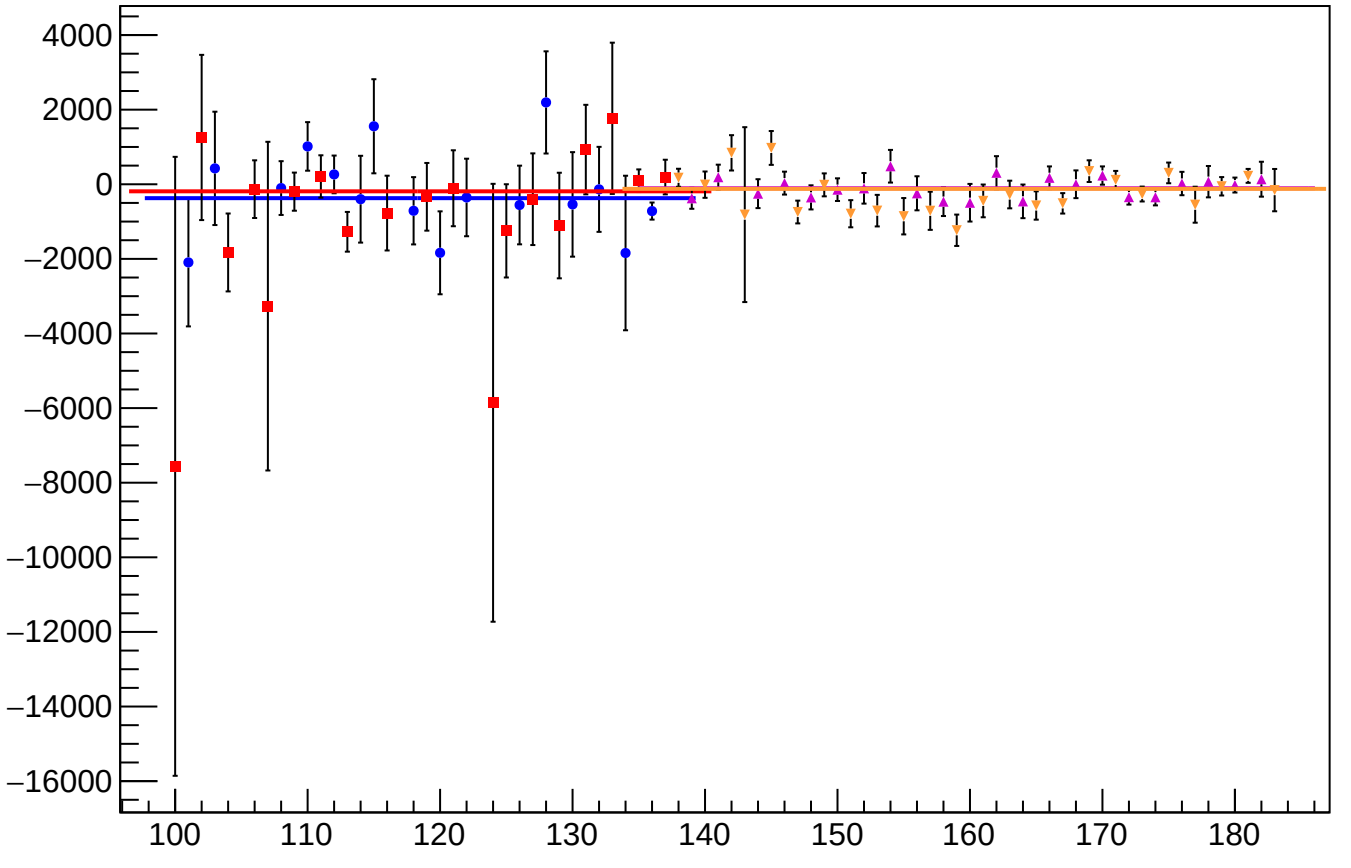
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

+ sign 1264.296+/-0.175 χ^2/NDF: 724505.7/39

All: 1262.382+/-0.125 χ^2/NDF: 1105803.6/80

- sign 1260.416+/-0.178 χ^2/NDF: 381056.5/40



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -122.930+/-65.215 χ^2/NDF:46.7/23

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

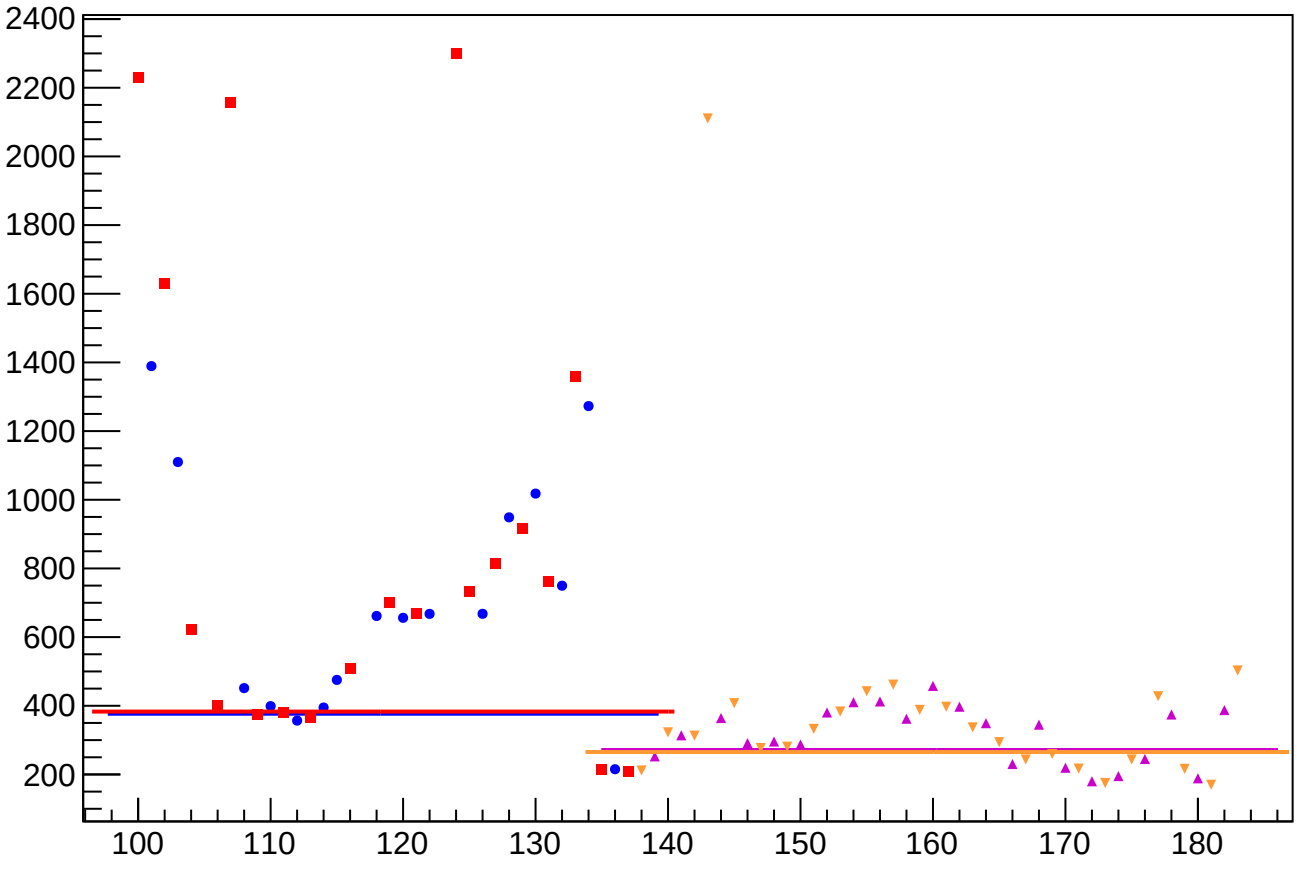
Left In: -106.923+/-67.198 χ^2/NDF:13.7/21

+ sign -155.520+/-60.805 χ^2/NDF: 66.8/39

All: -137.294+/-43.573 χ^2/NDF: 95.6/80

- sign -118.055+/-62.472 χ^2/NDF: 28.6/40

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 265.304+/-0.046 χ^2/NDF:4528427.3/23

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

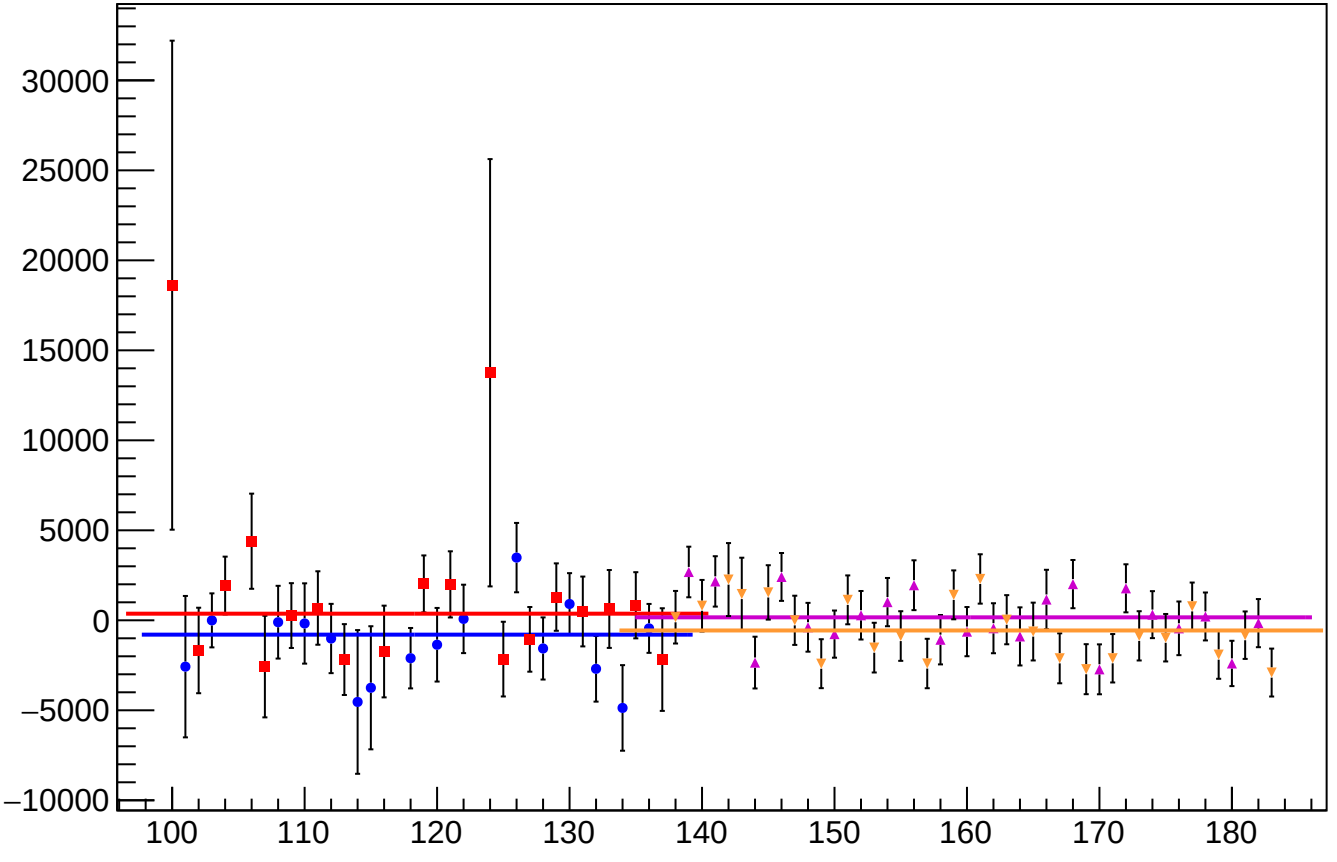
Left In: 271.167+/-0.048 χ^2/NDF:2778914.3/21

+ sign 279.886+/-0.043 χ^2/NDF: 9483830.8/39

All: 283.033+/-0.031 χ^2/NDF: 17080669.6/80

- sign 286.355+/-0.044 χ^2/NDF: 7585827.6/40

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -564.979+/-288.147 χ^2/NDF:28.9/23

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

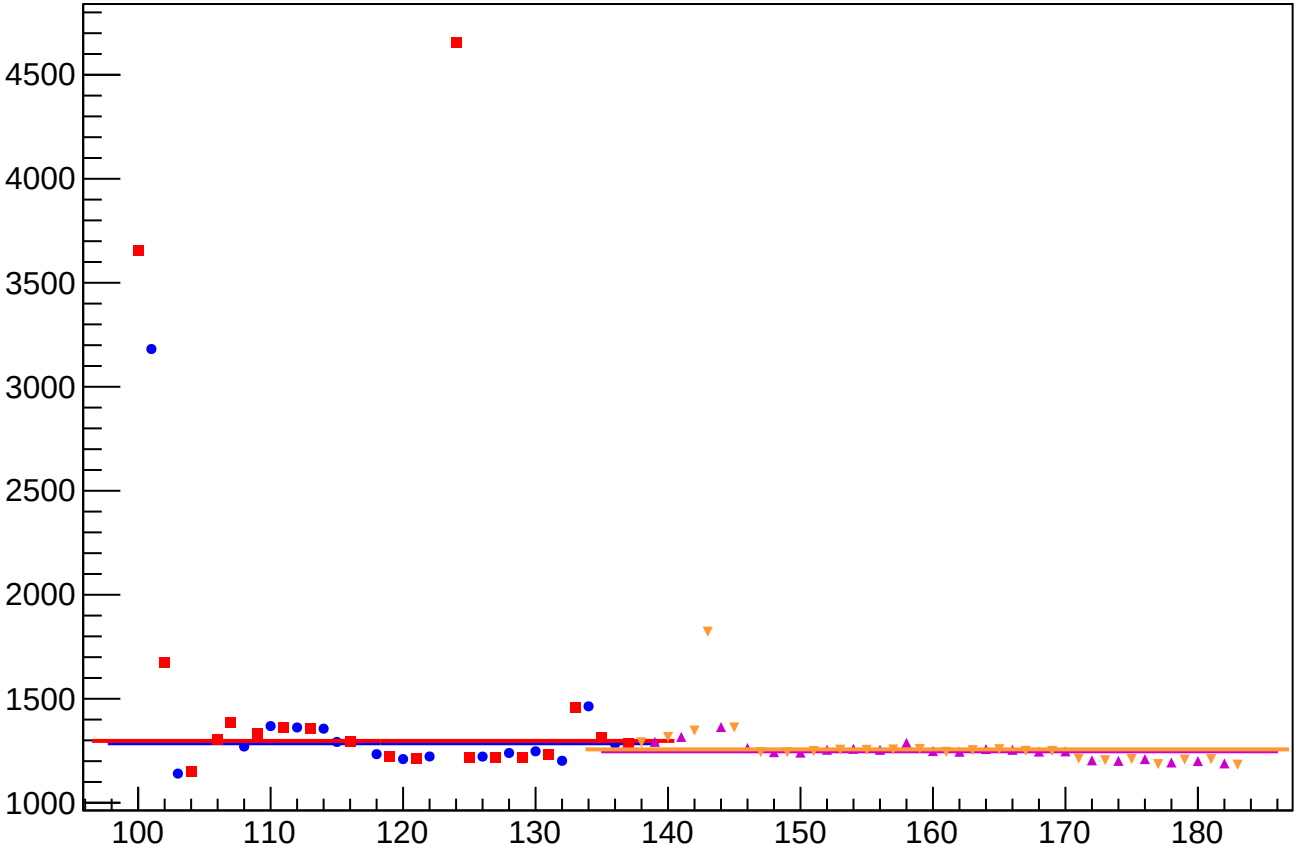
Left In: 164.724+/-293.807 χ^2/NDF:28.1/21

+ sign -625.030+/-248.050 χ^2/NDF: 42.5/39

All: -208.844+/-176.598 χ^2/NDF: 92.1/80

- sign 218.934+/-251.480 χ^2/NDF: 43.9/40

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

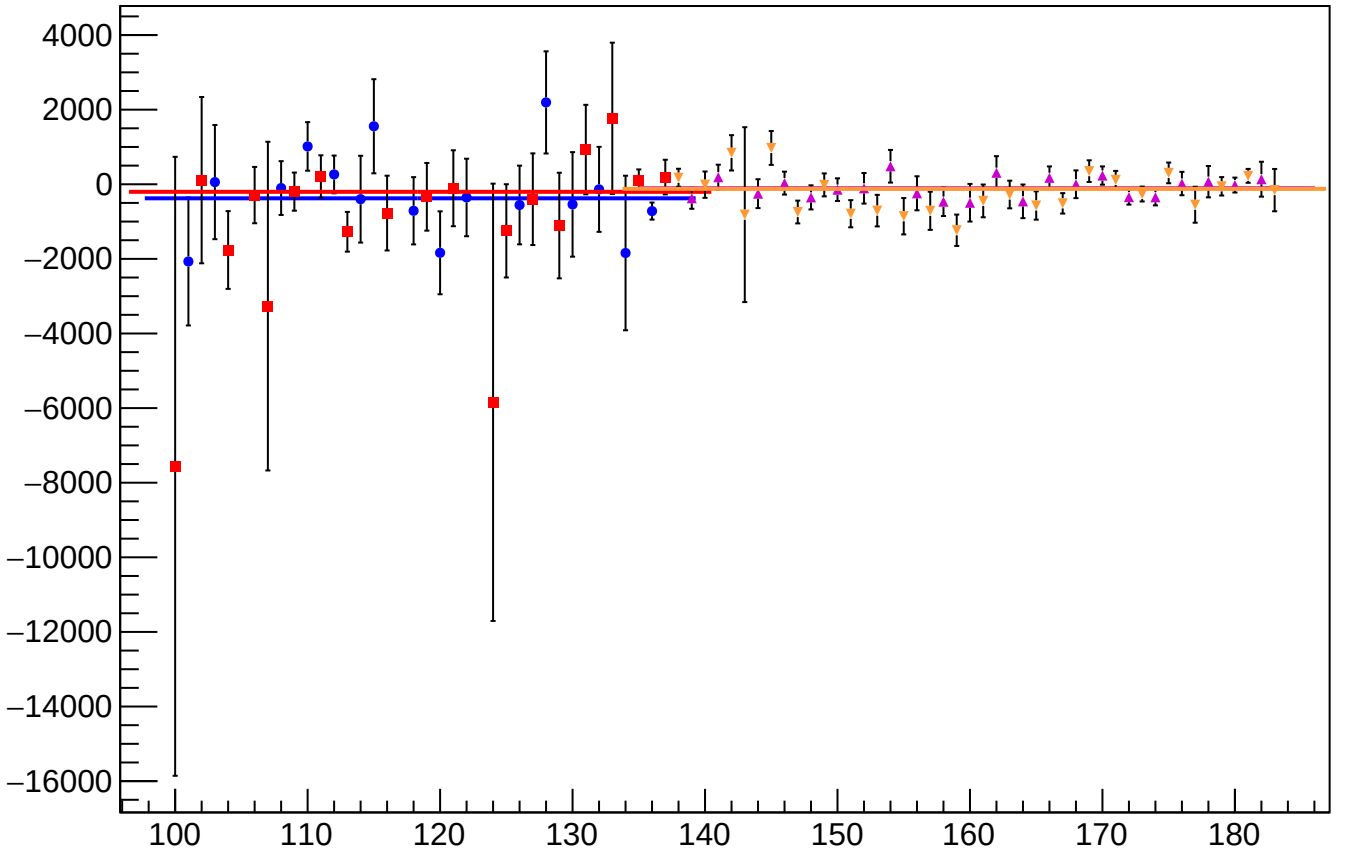
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

+ sign 1264.296+/-0.175 χ^2/NDF: 724507.0/39

All: 1262.564+/-0.125 χ^2/NDF: 1106295.4/80

- sign 1260.783+/-0.178 χ^2/NDF: 381590.7/40



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.907+/-65.216 χ^2/NDF:46.7/23

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

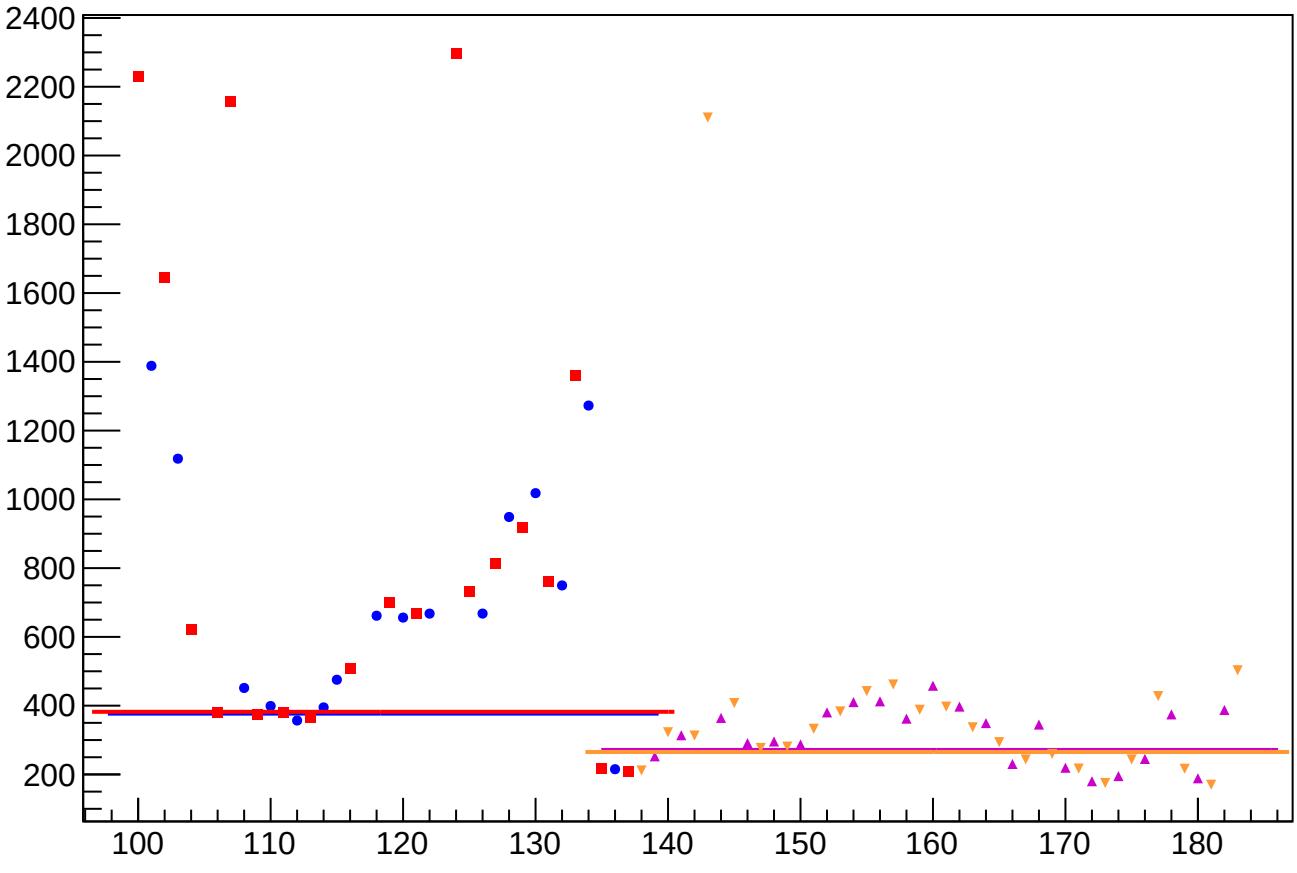
Left In: -107.037+/-67.200 χ^2/NDF:13.7/21

+ sign -156.076+/-60.807 χ^2/NDF: 66.6/39

All: -138.509+/-43.571 χ^2/NDF: 94.9/80

- sign -119.971+/-62.464 χ^2/NDF: 28.0/40

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 265.309+/-0.046 χ^2/NDF:4528444.6/23

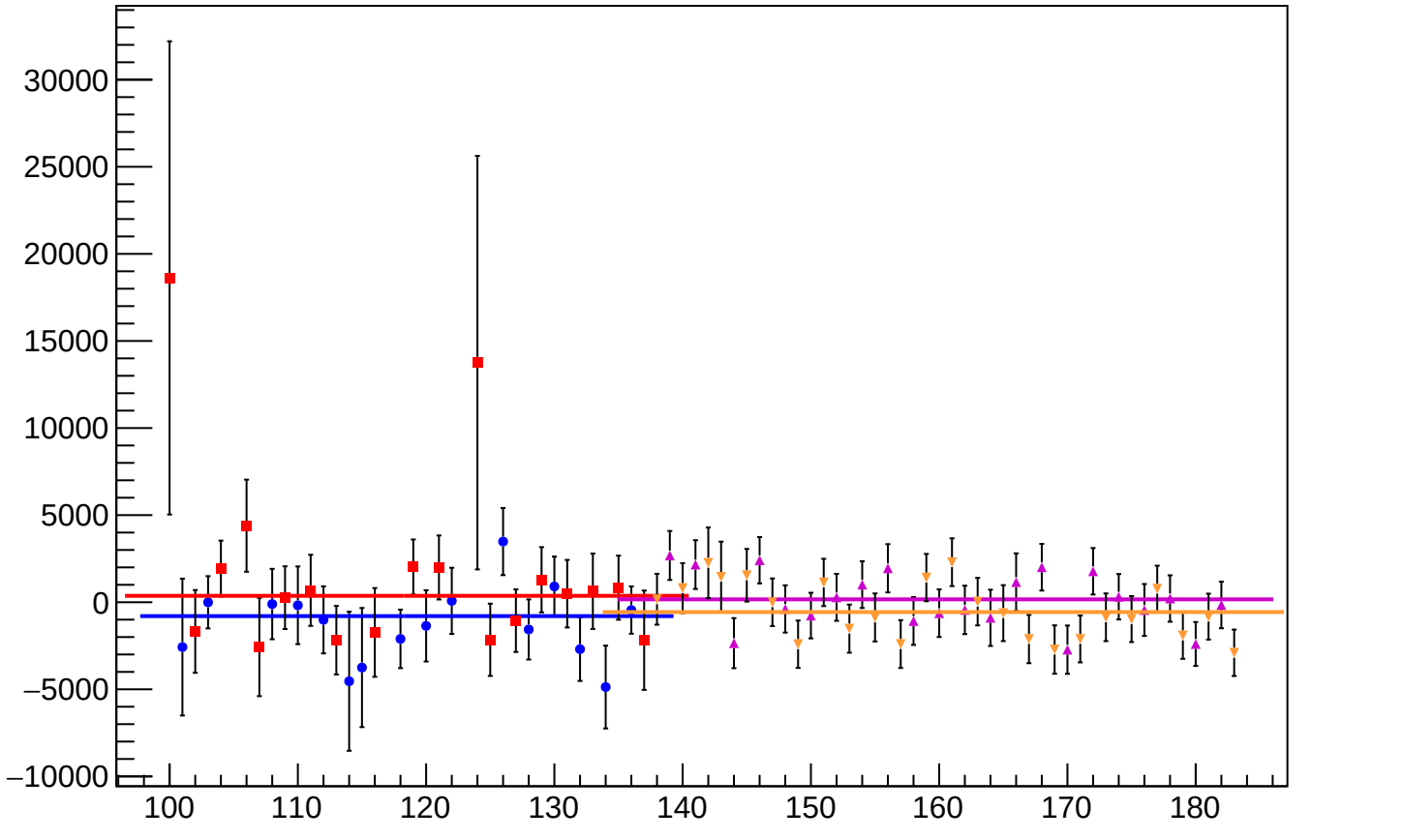
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

+ sign 279.887+/-0.043 χ^2/NDF: 9486627.4/39

All: 282.991+/-0.031 χ^2/NDF: 17077215.1/80

- sign 286.267+/-0.044 χ^2/NDF: 7579876.2/40



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -564.979+/-288.147 χ^2/NDF:28.9/23

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

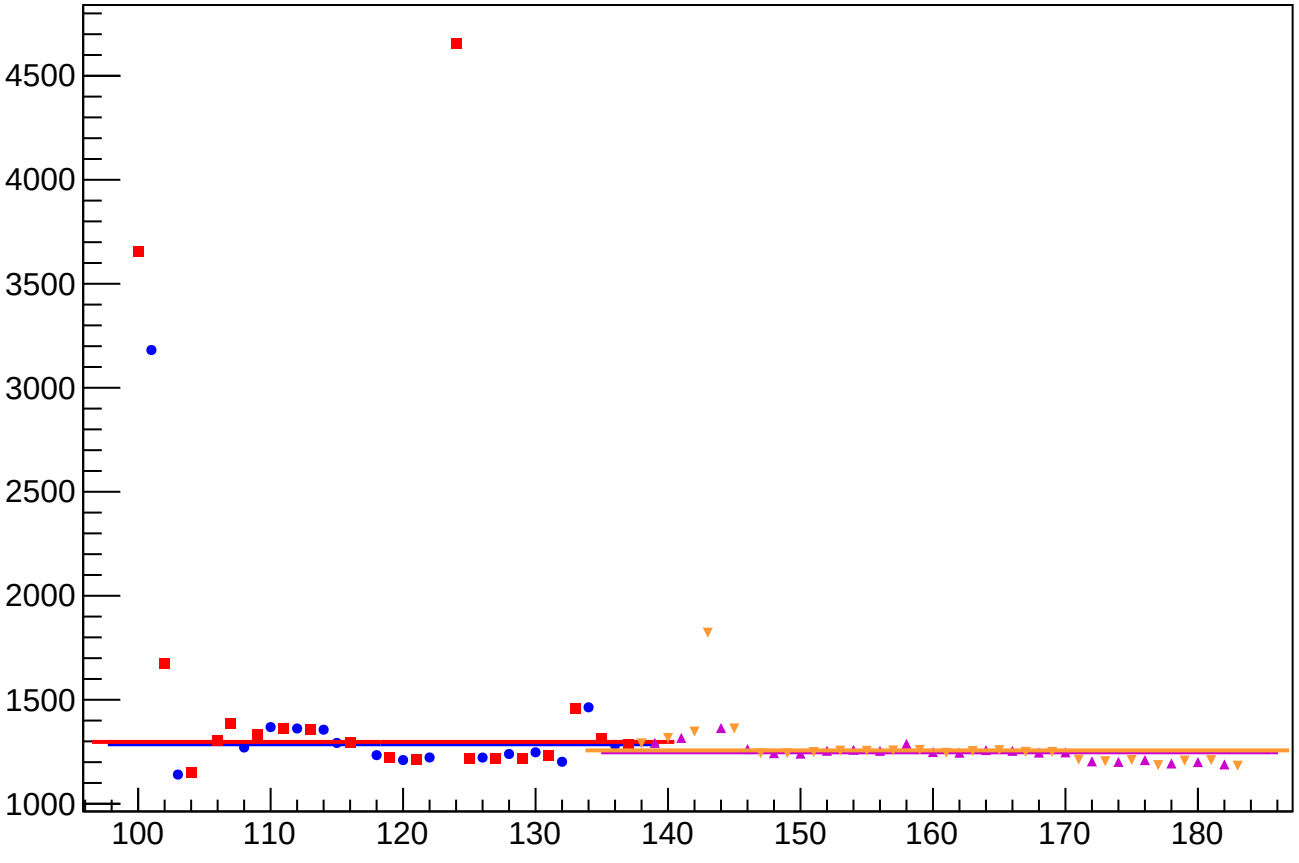
Left In: 164.724+/-293.807 χ^2/NDF:28.1/21

+ sign -625.030+/-248.050 χ^2/NDF: 42.5/39

All: -208.844+/-176.598 χ^2/NDF: 92.1/80

- sign 218.934+/-251.480 χ^2/NDF: 43.9/40

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

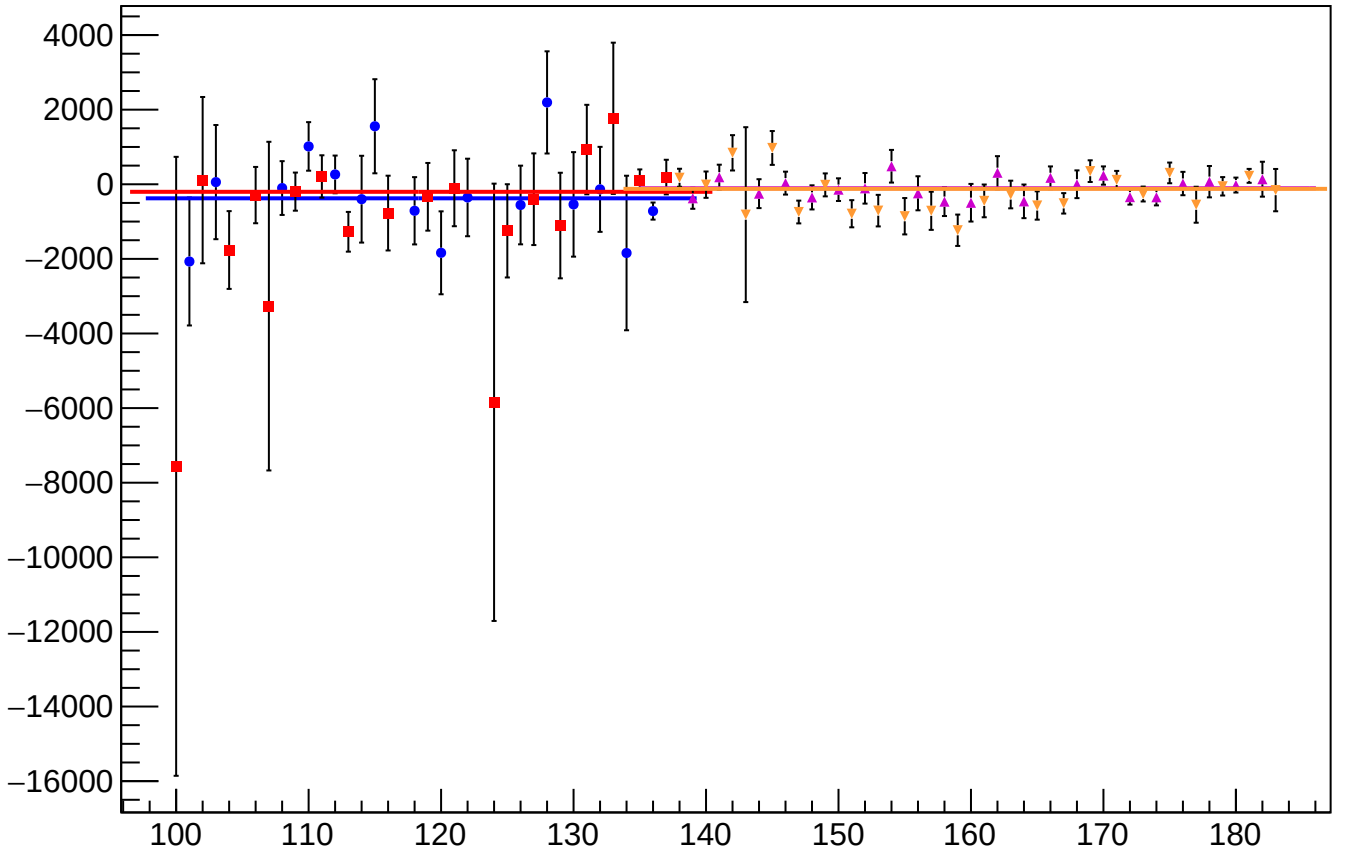
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

+ sign 1264.296+/-0.175 χ^2/NDF: 724507.0/39

All: 1262.564+/-0.125 χ^2/NDF: 1106295.4/80

- sign 1260.783+/-0.178 χ^2/NDF: 381590.7/40



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.907+/-65.216 χ^2/NDF:46.7/23

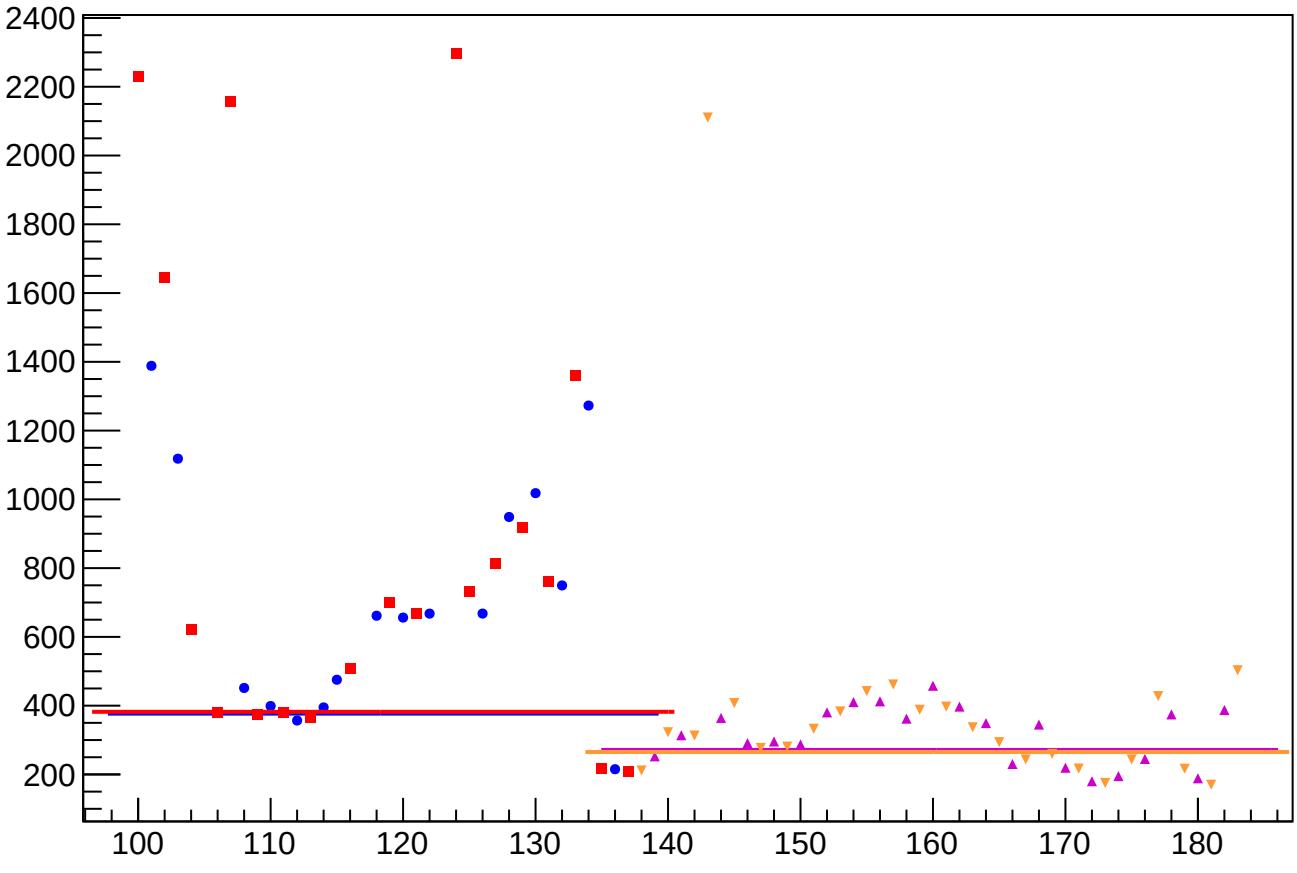
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -107.037+/-67.200 χ^2/NDF:13.7/21

+ sign -156.076+/-60.807 χ^2/NDF: 66.6/39

All: -138.509+/-43.571 χ^2/NDF: 94.9/80

- sign -119.971+/-62.464 χ^2/NDF: 28.0/40



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 265.309+/-0.046 χ^2/NDF:4528444.6/23

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

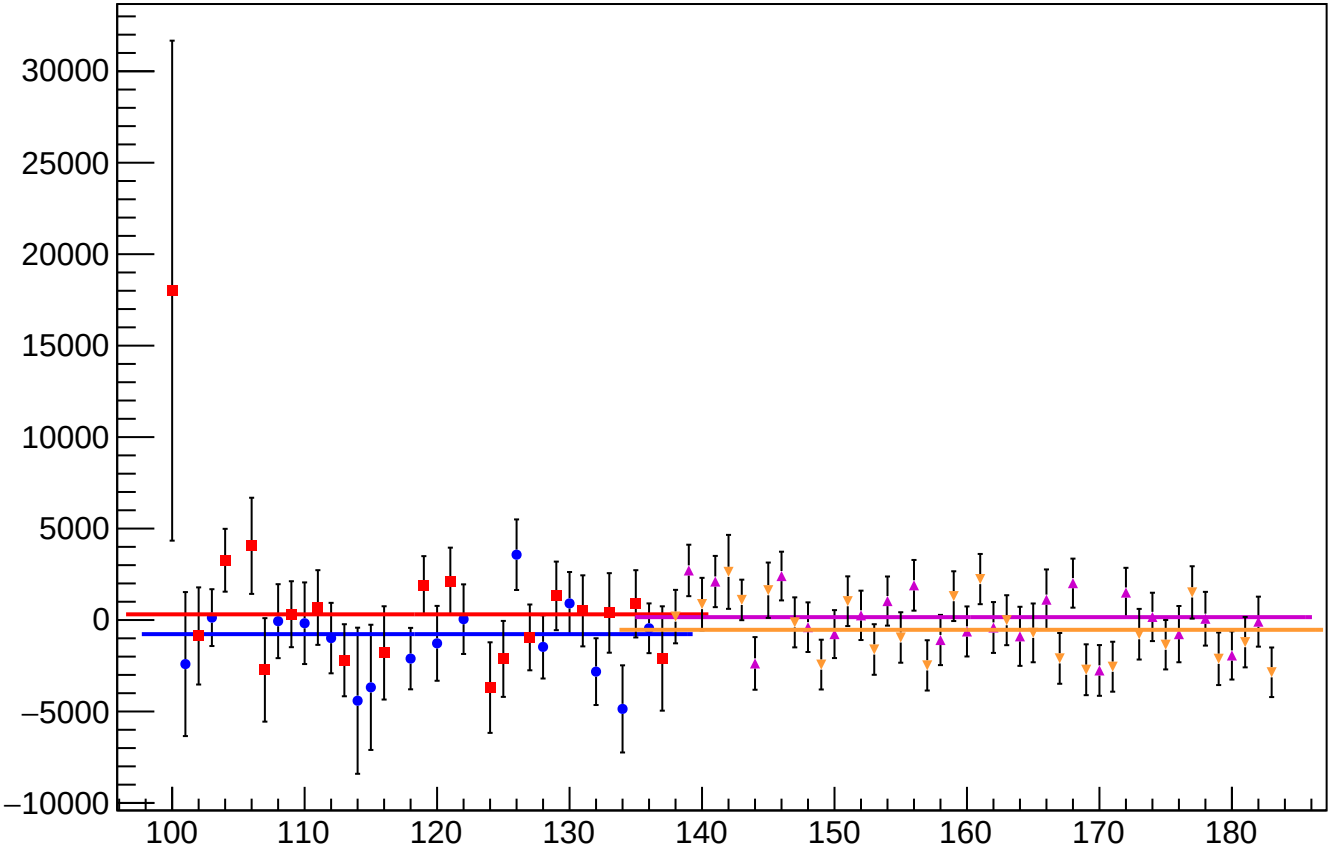
Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

+ sign 279.887+/-0.043 χ^2/NDF: 9486627.4/39

All: 282.991+/-0.031 χ^2/NDF: 17077215.1/80

- sign 286.267+/-0.044 χ^2/NDF: 7579876.2/40

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -534.921+/-284.814 χ^2/NDF:32.8/23

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

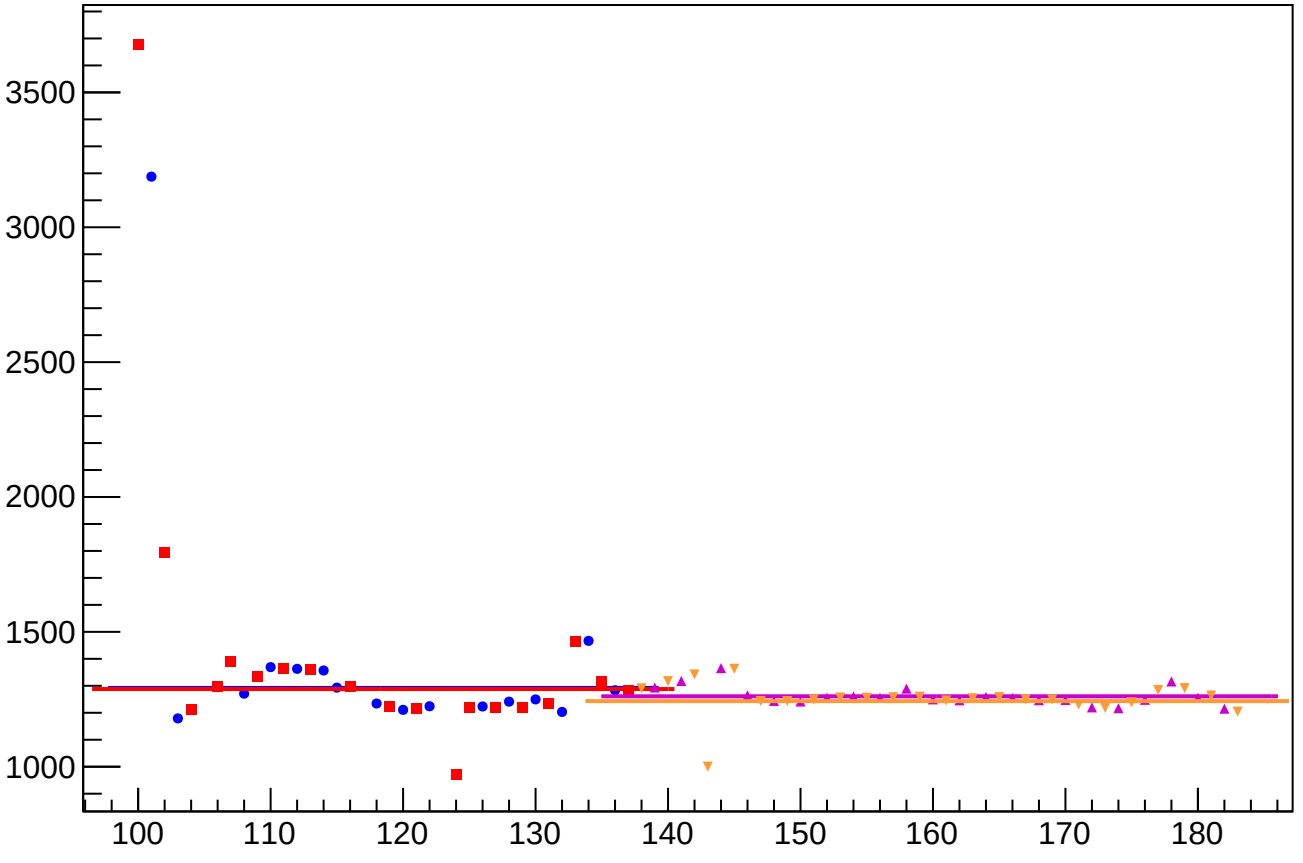
Left In: 157.854+/-296.987 χ^2/NDF:26.2/21

+ sign -594.738+/-246.188 χ^2/NDF: 46.5/39

All: -208.098+/-176.419 χ^2/NDF: 95.8/80

- sign 200.030+/-252.937 χ^2/NDF: 44.2/40

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1243.257+/-0.201 χ^2/NDF:129149.9/23

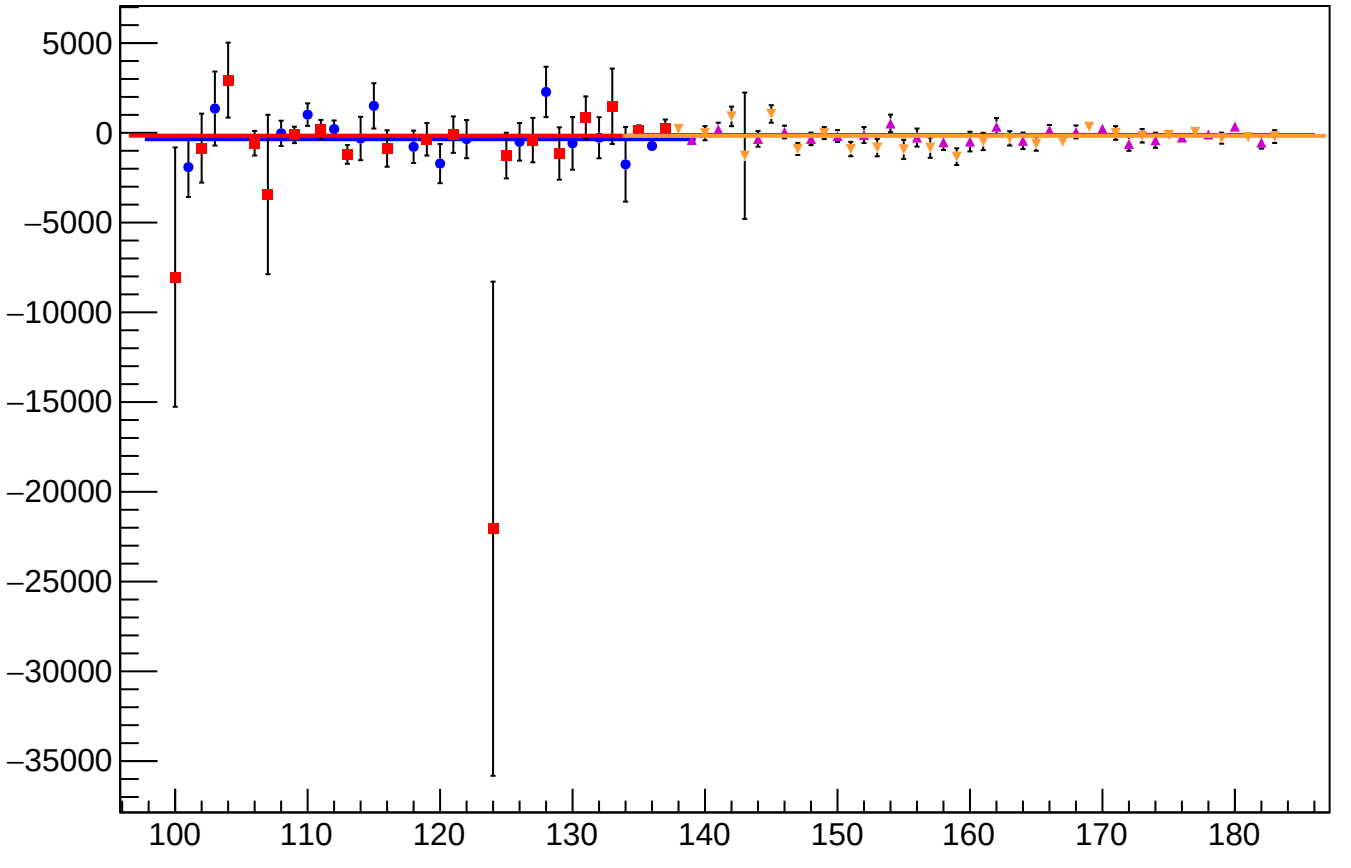
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.079+/-0.210 χ^2/NDF:26691.7/21

+ sign 1255.591+/-0.174 χ^2/NDF: 653390.0/39

All: 1261.856+/-0.125 χ^2/NDF: 896462.6/80

- sign 1268.470+/-0.179 χ^2/NDF: 240410.0/40



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -170.049+/-64.466 χ^2/NDF:41.8/23

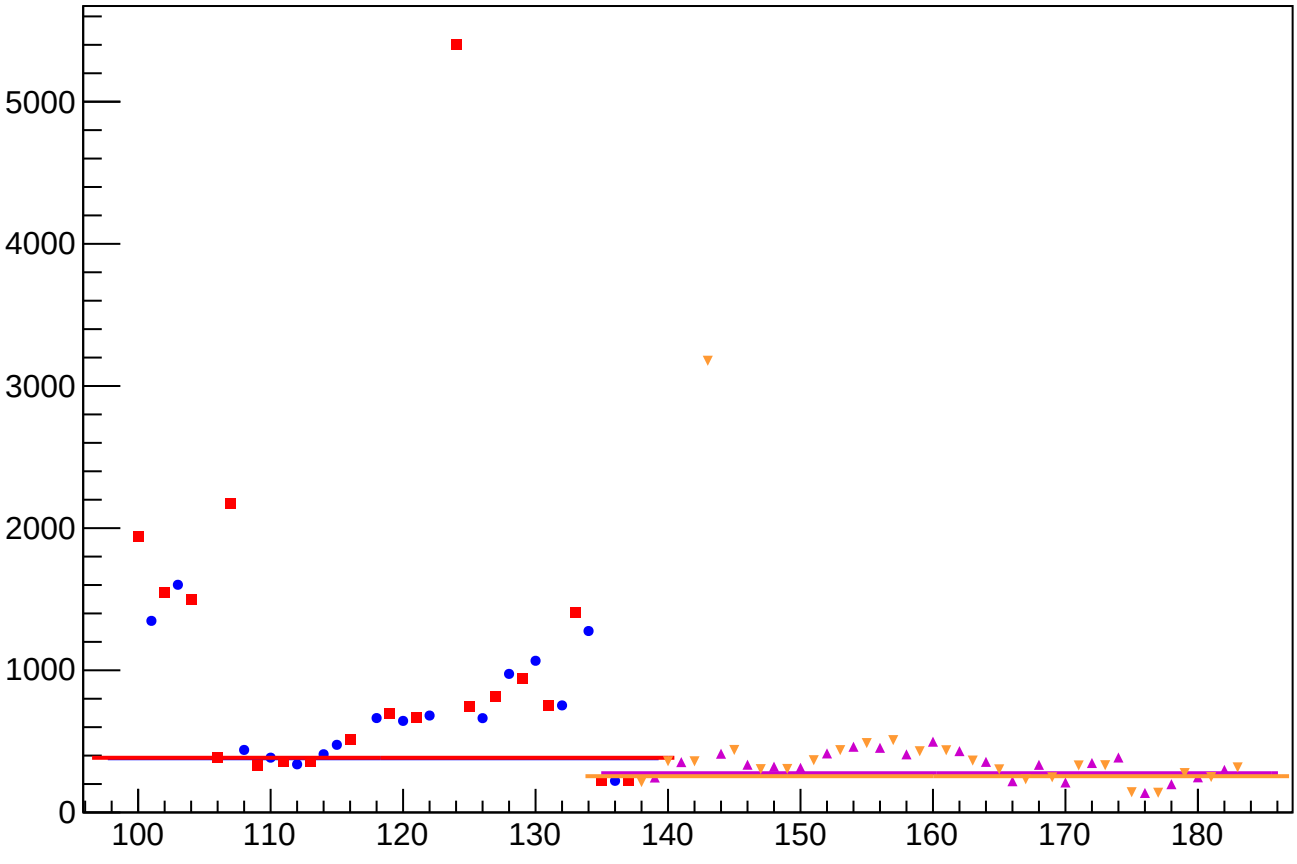
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -118.511+/-69.370 χ^2/NDF:17.9/21

+ sign -193.337+/-60.276 χ^2/NDF: 61.3/39

All: -160.930+/-43.947 χ^2/NDF: 95.7/80

- sign -124.156+/-64.210 χ^2/NDF: 33.8/40



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 255.087+/-0.046 χ^2/NDF:6352307.5/23

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

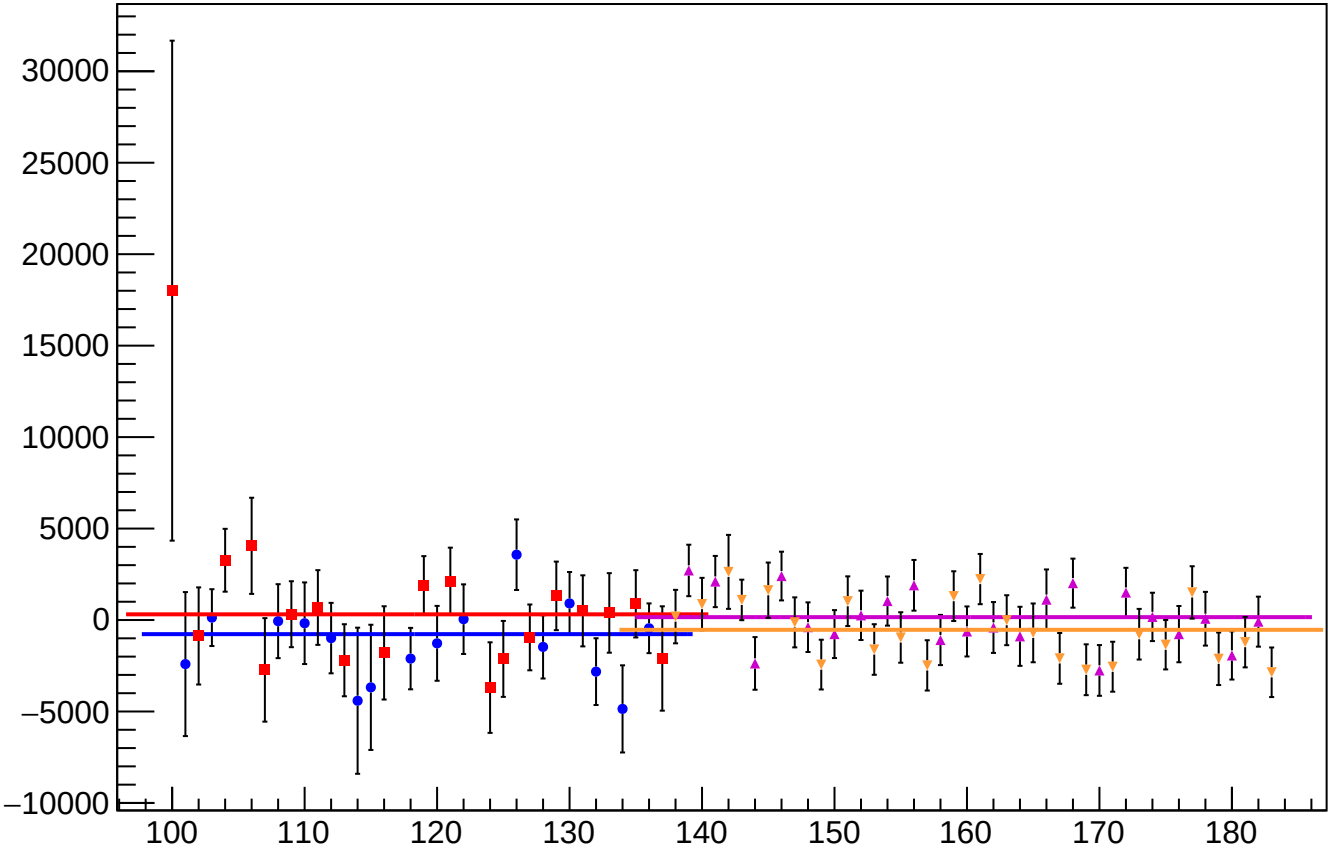
Left In: 275.869+/-0.049 χ^2/NDF:4022379.0/21

+ sign 270.966+/-0.043 χ^2/NDF: 11635073.1/39

All: 280.561+/-0.031 χ^2/NDF: 21030257.1/80

- sign 291.450+/-0.045 χ^2/NDF: 9286991.1/40

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -534.921+/-284.814 χ^2/NDF:32.8/23

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

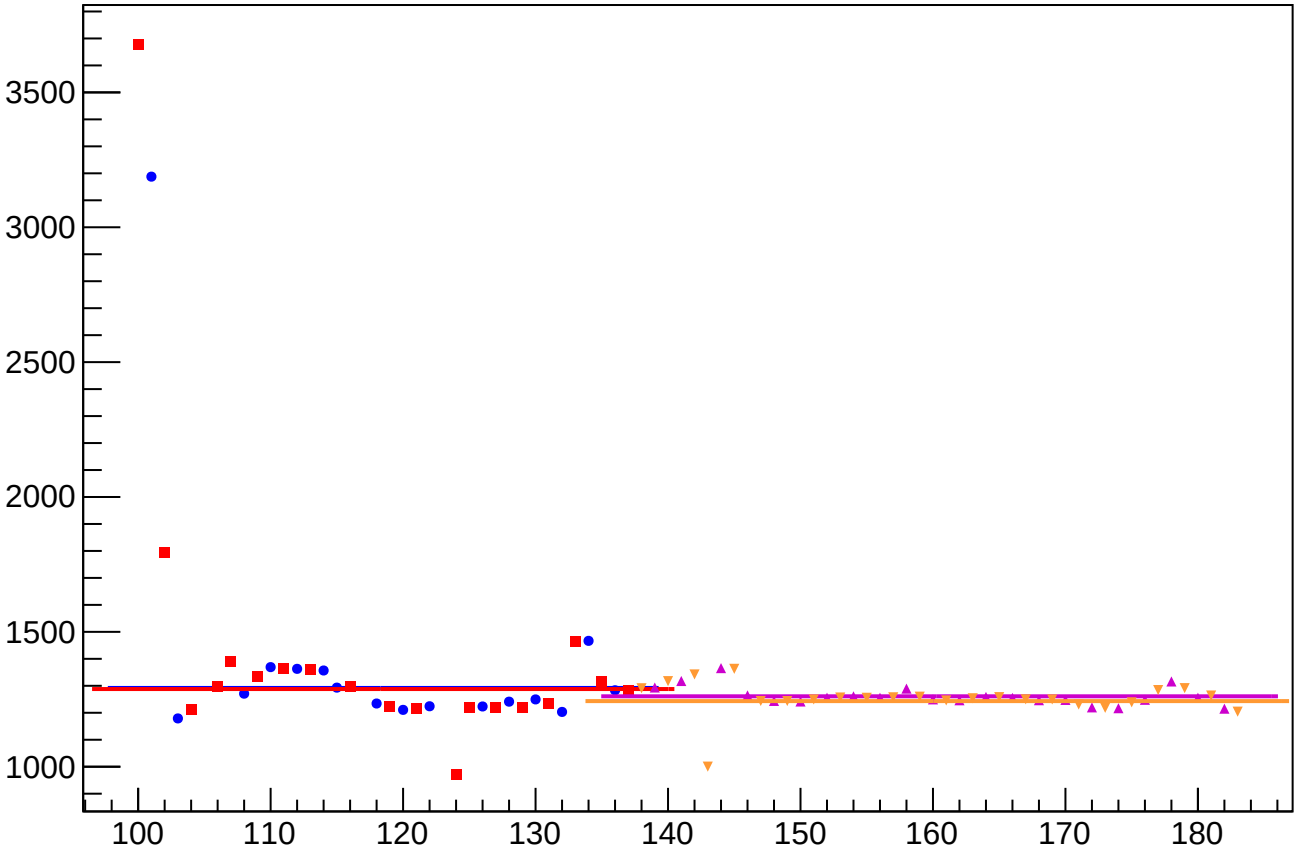
Left In: 157.854+/-296.987 χ^2/NDF:26.2/21

+ sign -594.738+/-246.188 χ^2/NDF: 46.5/39

All: -208.098+/-176.419 χ^2/NDF: 95.8/80

- sign 200.030+/-252.937 χ^2/NDF: 44.2/40

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1243.257+/-0.201 χ^2/NDF:129149.0/23

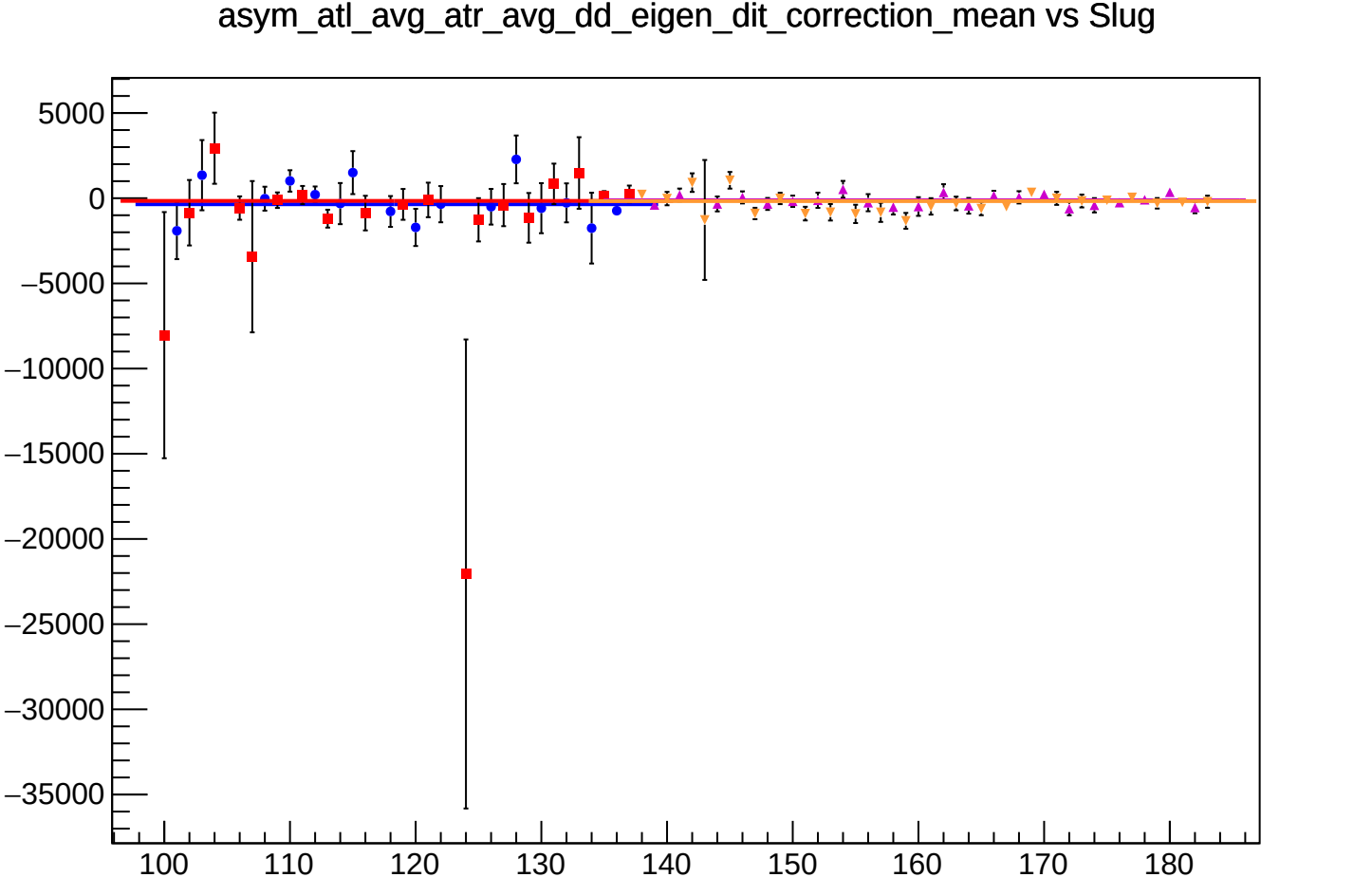
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.079+/-0.210 χ^2/NDF:26691.7/21

+ sign 1255.591+/-0.174 χ^2/NDF: 653389.1/39

All: 1261.856+/-0.125 χ^2/NDF: 896462.1/80

- sign 1268.470+/-0.179 χ^2/NDF: 240410.4/40



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -170.053+/-64.466 χ^2/NDF:41.8/23

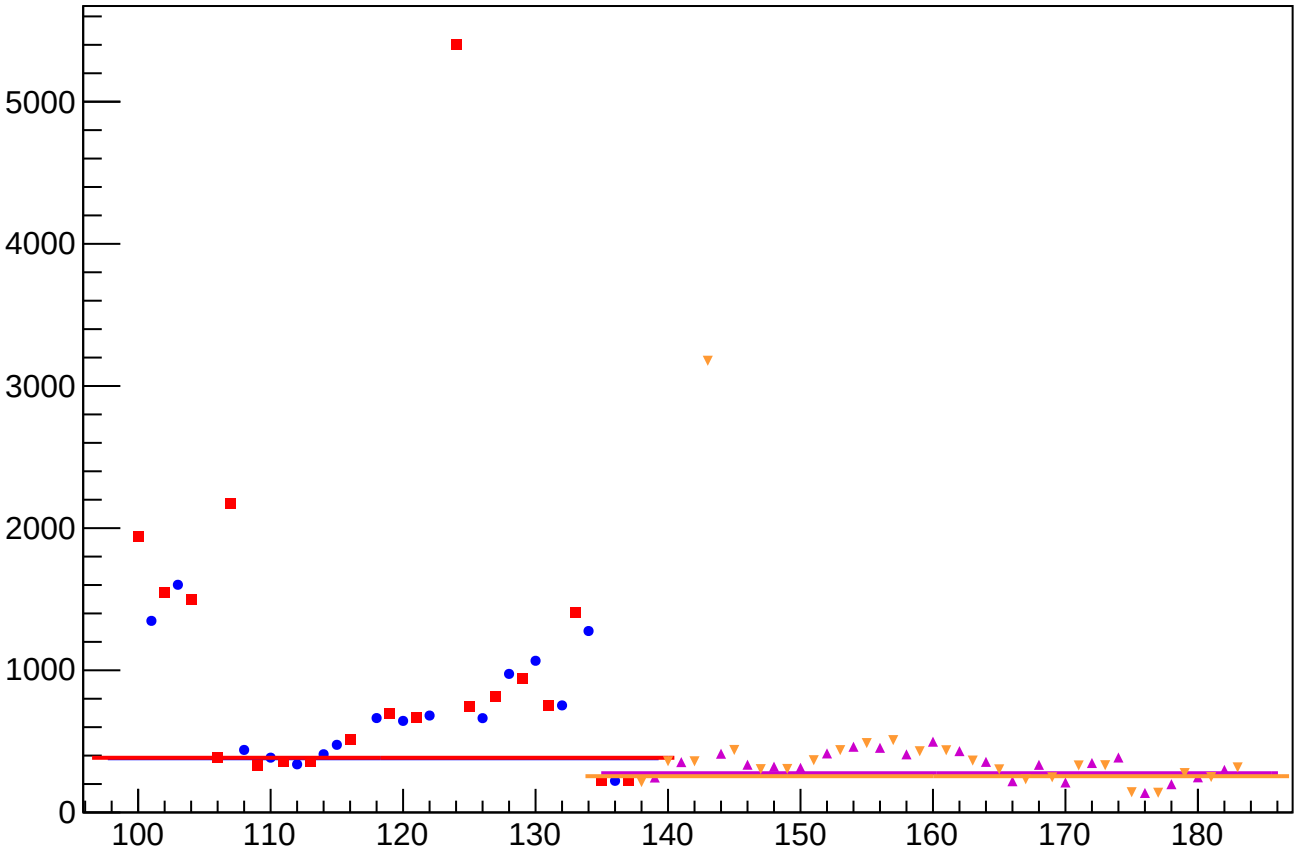
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -118.509+/-69.370 χ^2/NDF:17.9/21

+ sign -193.340+/-60.277 χ^2/NDF: 61.3/39

All: -160.931+/-43.947 χ^2/NDF: 95.7/80

- sign -124.155+/-64.210 χ^2/NDF: 33.8/40



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 255.089+/-0.046 χ^2/NDF:6352208.6/23

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

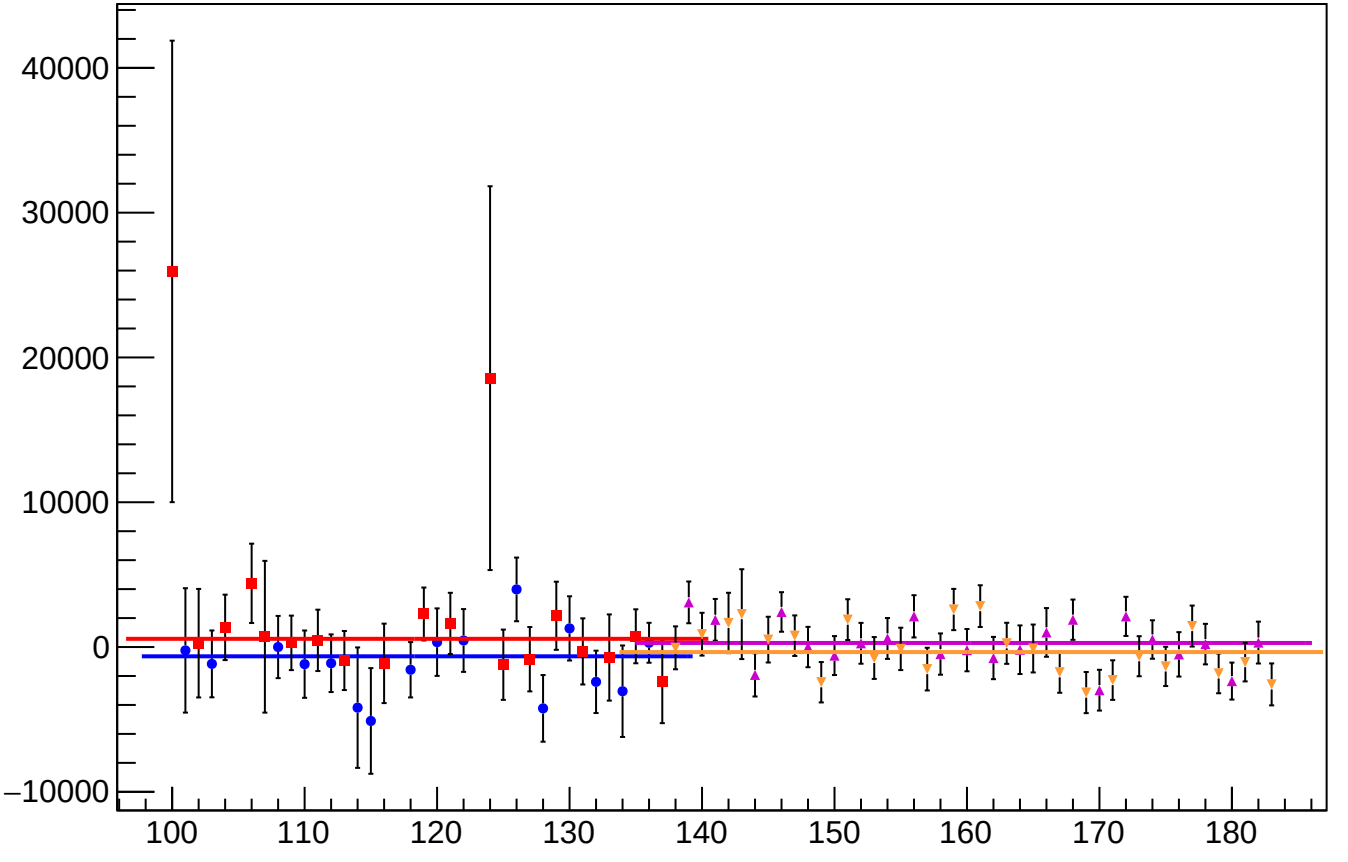
Left In: 275.870+/-0.049 χ^2/NDF:4022339.7/21

+ sign 270.968+/-0.043 χ^2/NDF: 11634892.8/39

All: 280.563+/-0.031 χ^2/NDF: 21029966.6/80

- sign 291.451+/-0.045 χ^2/NDF: 9286890.3/40

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -347.312+/-300.410 χ^2/NDF:31.0/23

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

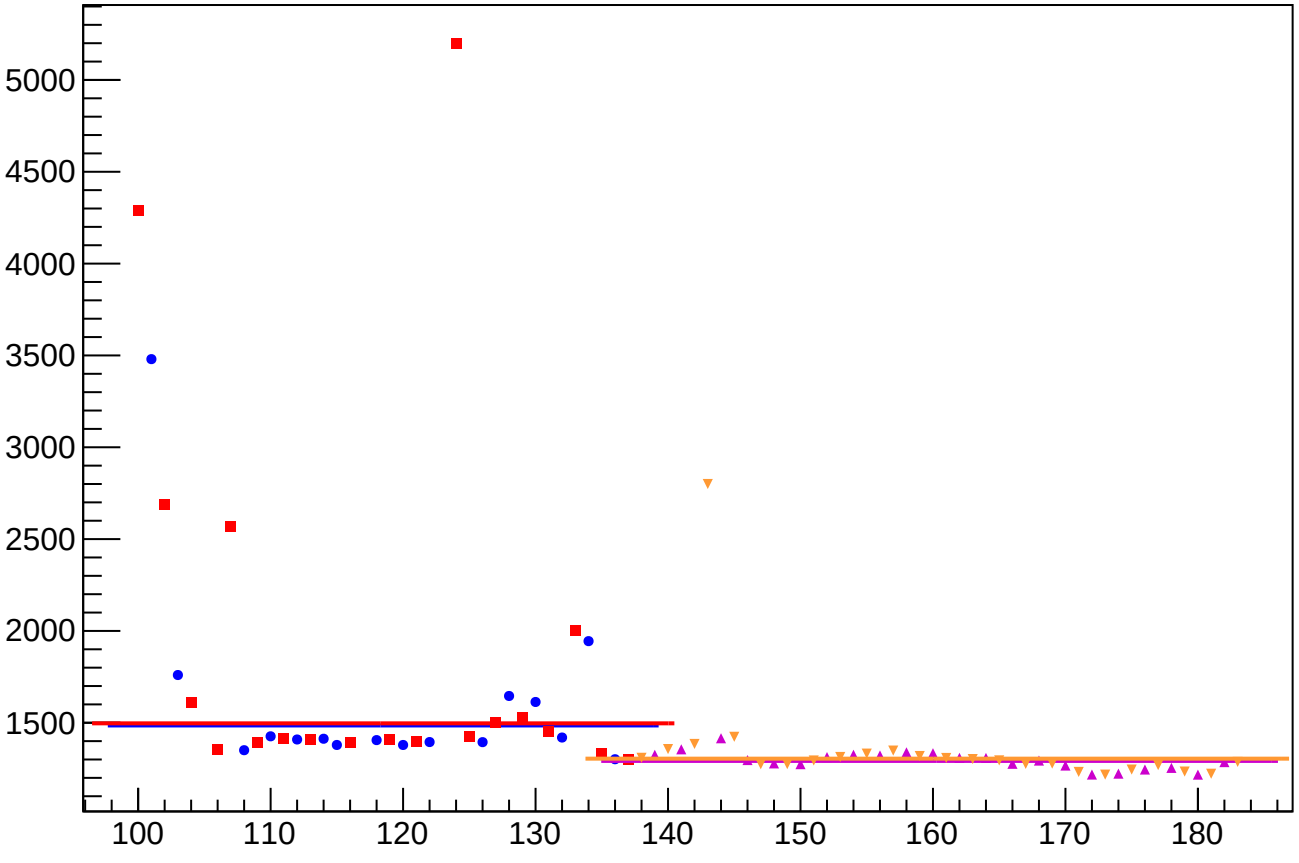
Left In: 281.747+/-304.427 χ^2/NDF:26.0/21

+ sign -412.115+/-265.181 χ^2/NDF: 43.7/39

All: -37.494+/-188.566 χ^2/NDF: 85.2/80

- sign 345.673+/-268.189 χ^2/NDF: 37.5/40

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1304.571+/-0.212 χ^2/NDF:519340.0/23

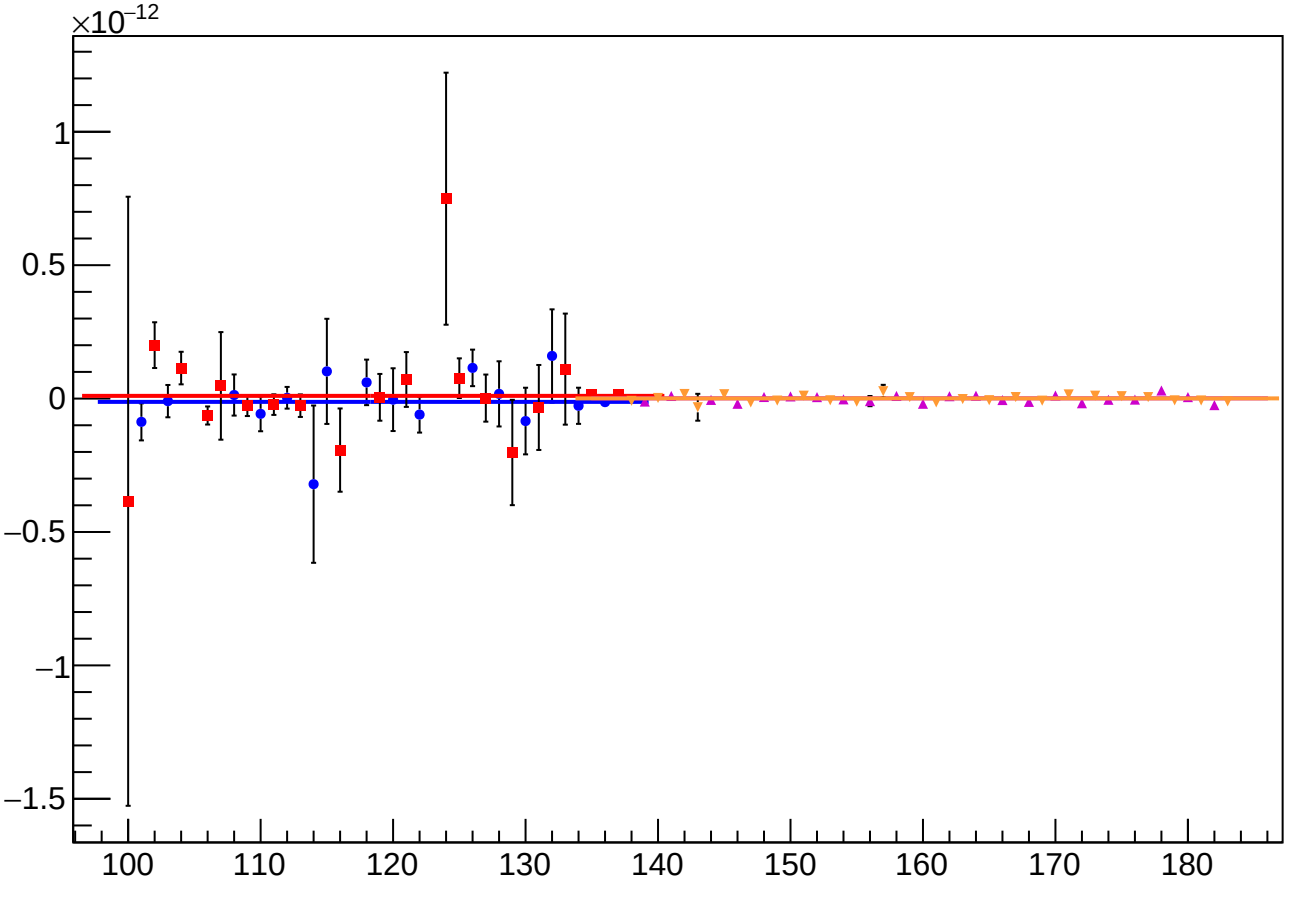
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.298+/-0.215 χ^2/NDF:48302.9/21

+ sign 1344.489+/-0.188 χ^2/NDF: 1263751.0/39

All: 1341.331+/-0.133 χ^2/NDF: 2138128.5/80

- sign 1338.102+/-0.190 χ^2/NDF: 873804.0/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/23

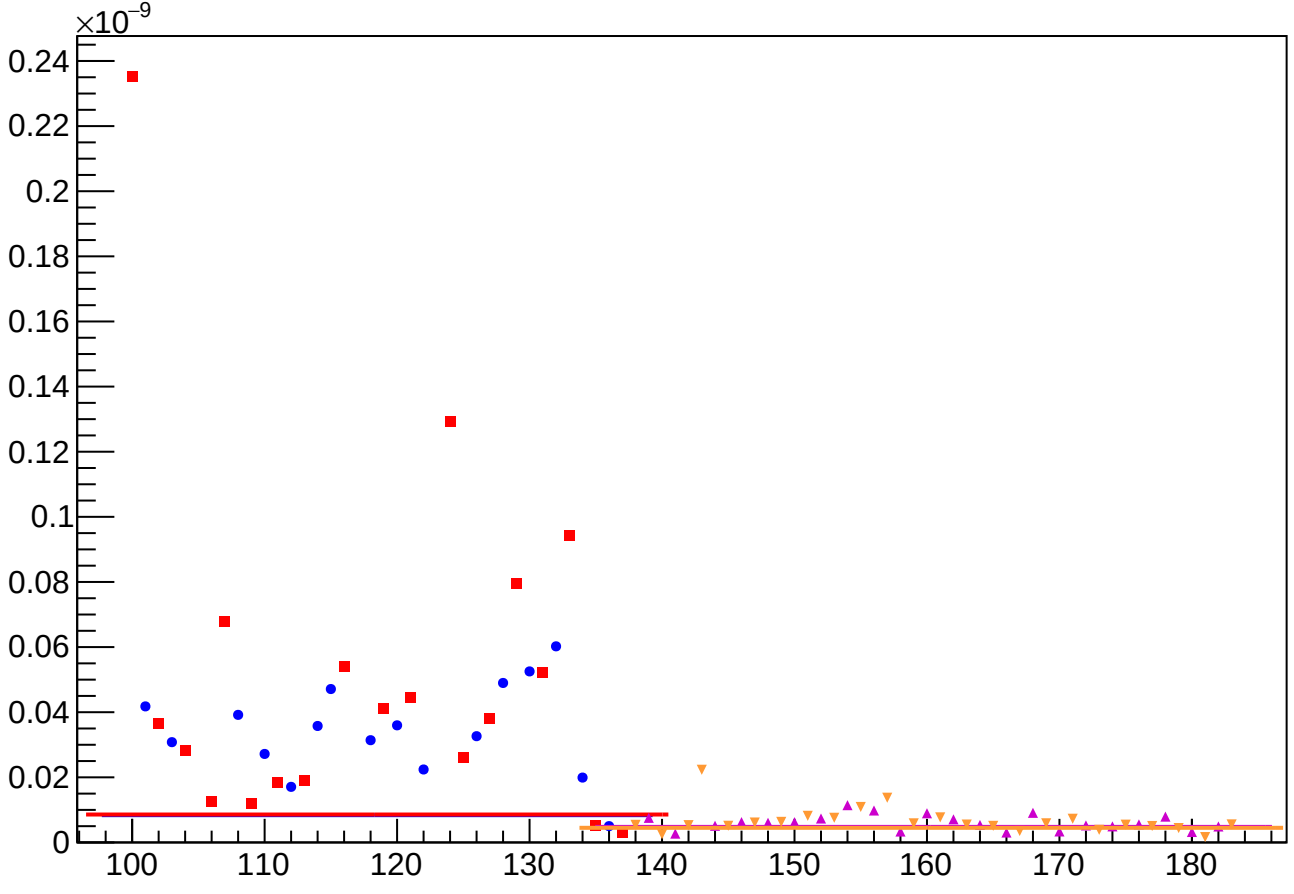
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/39

All: 0.000+/-0.000 χ^2/NDF: 89.3/80

- sign 0.000+/-0.000 χ^2/NDF: 53.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2705686.3/23

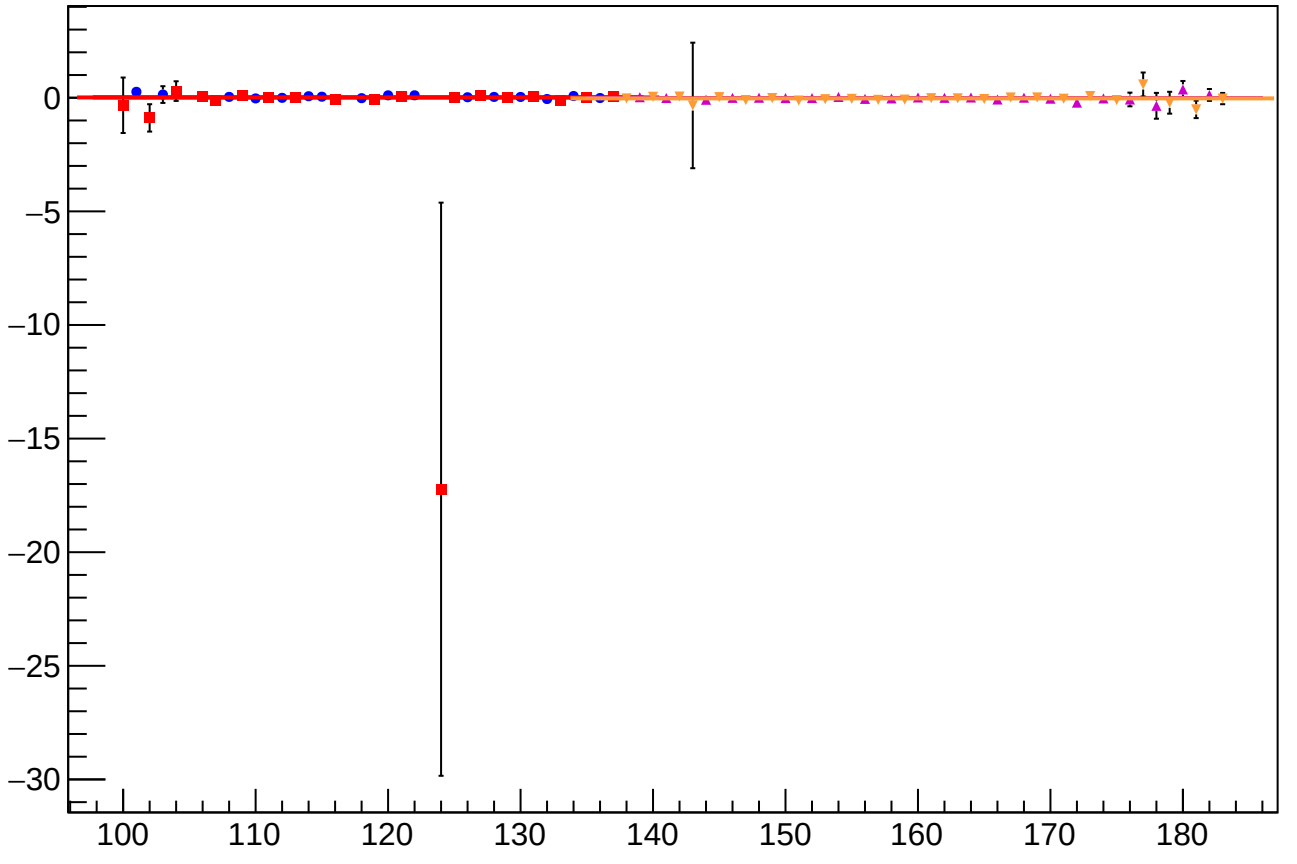
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884771.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 6279024.6/39

All: 0.000+/-0.000 χ^2/NDF: 11956260.2/80

- sign 0.000+/-0.000 χ^2/NDF: 5655713.0/40



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

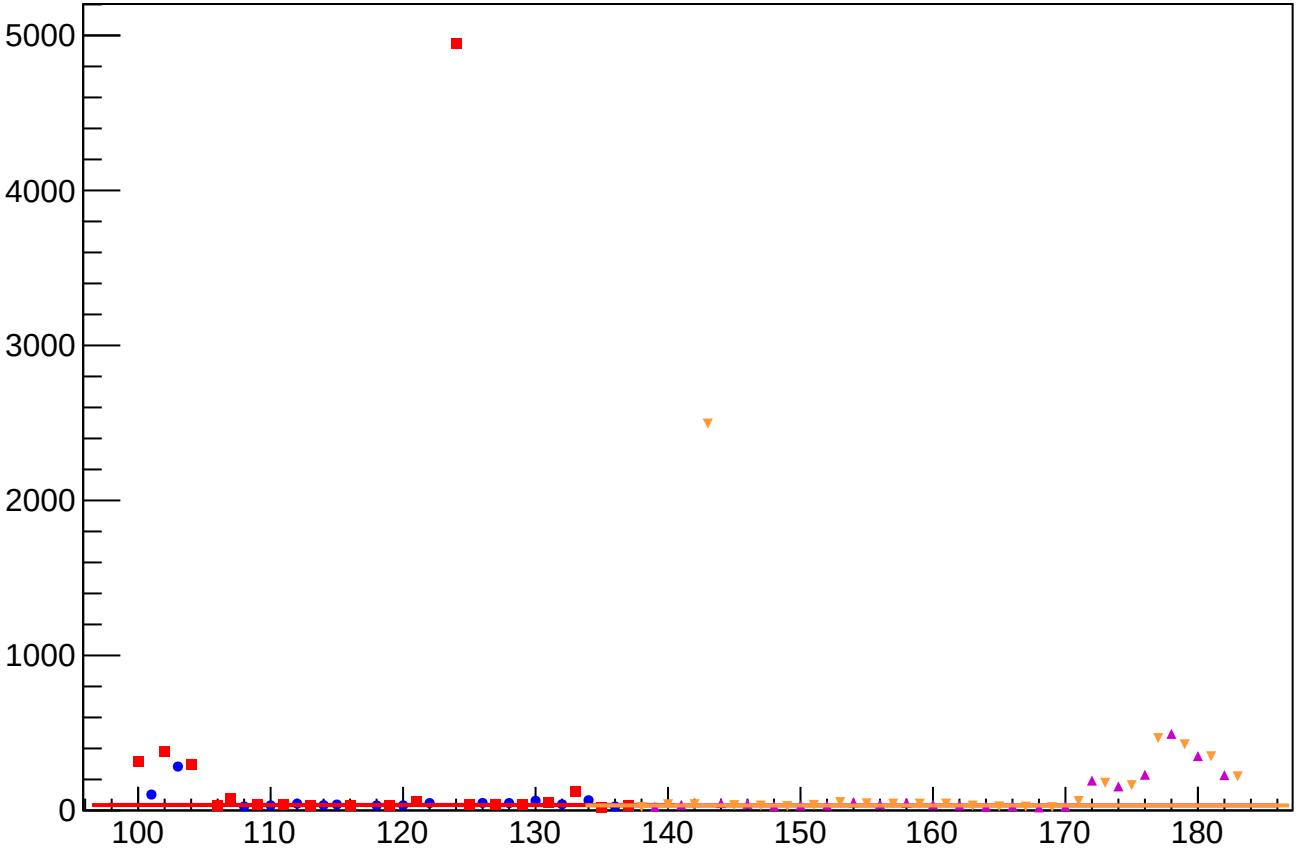
Left In: -0.011+/-0.010 χ^2/NDF:12.4/21

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 75.5/80

- sign -0.004+/-0.008 χ^2/NDF: 30.3/40

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.444+/-0.007 χ^2/NDF:10530020.3/23

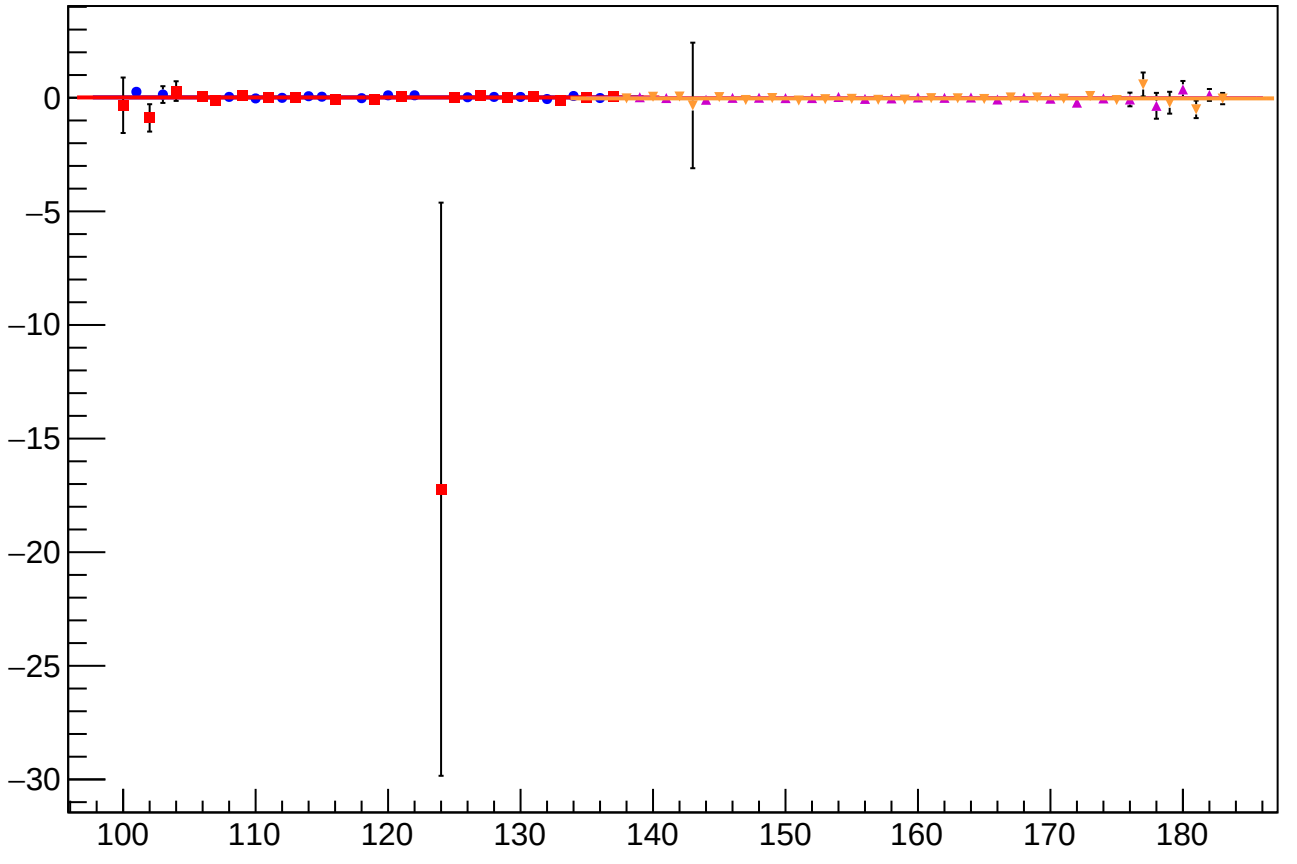
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.628+/-0.007 χ^2/NDF:8549557.8/21

\+ sign 33.351+/-0.006 χ^2/NDF: 12860894.2/39

All: 33.283+/-0.004 χ^2/NDF: 24353021.5/80

\- sign 33.214+/-0.006 χ^2/NDF: 11491838.7/40



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

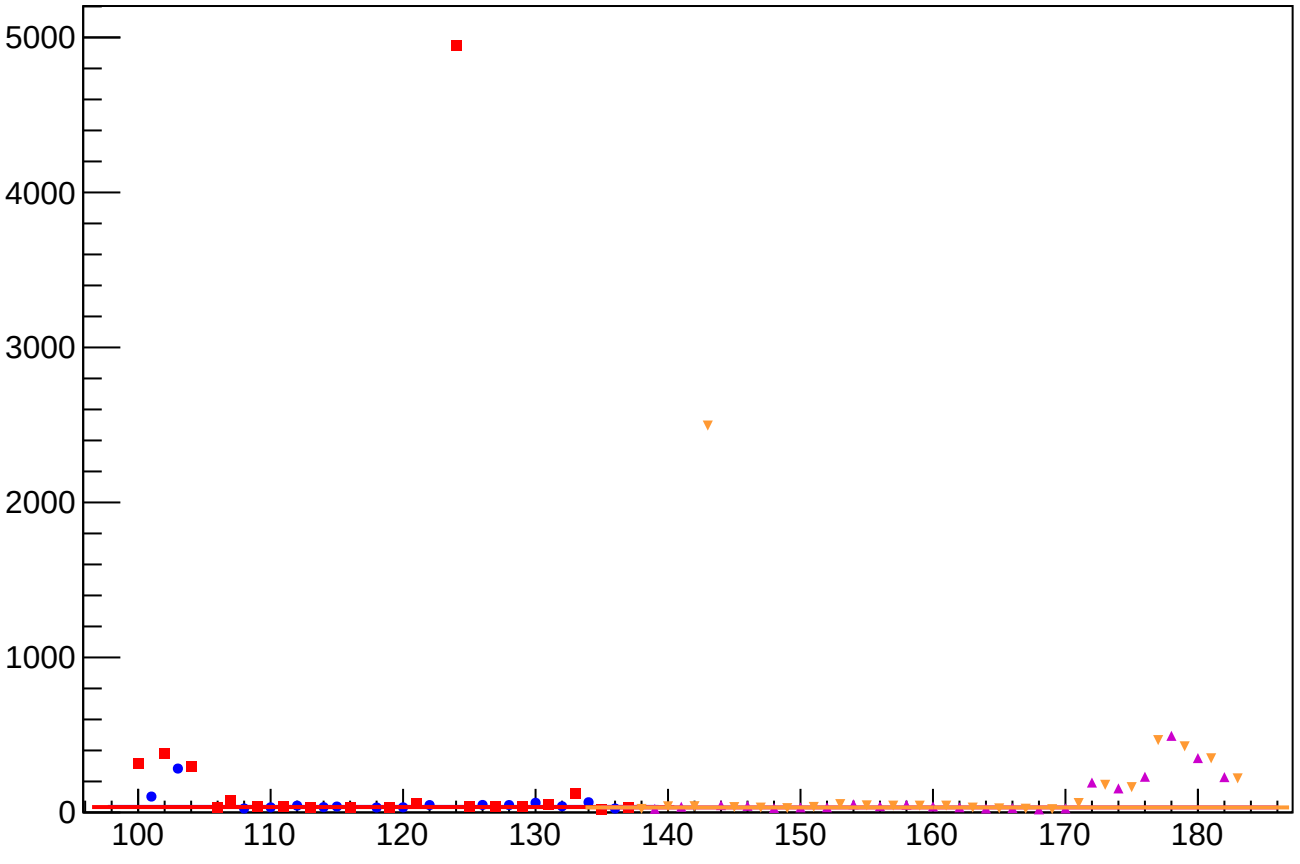
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.4/21

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 75.5/80

- sign -0.004+/-0.008 χ^2/NDF: 30.3/40



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.444+/-0.007 χ^2/NDF:10530020.3/23

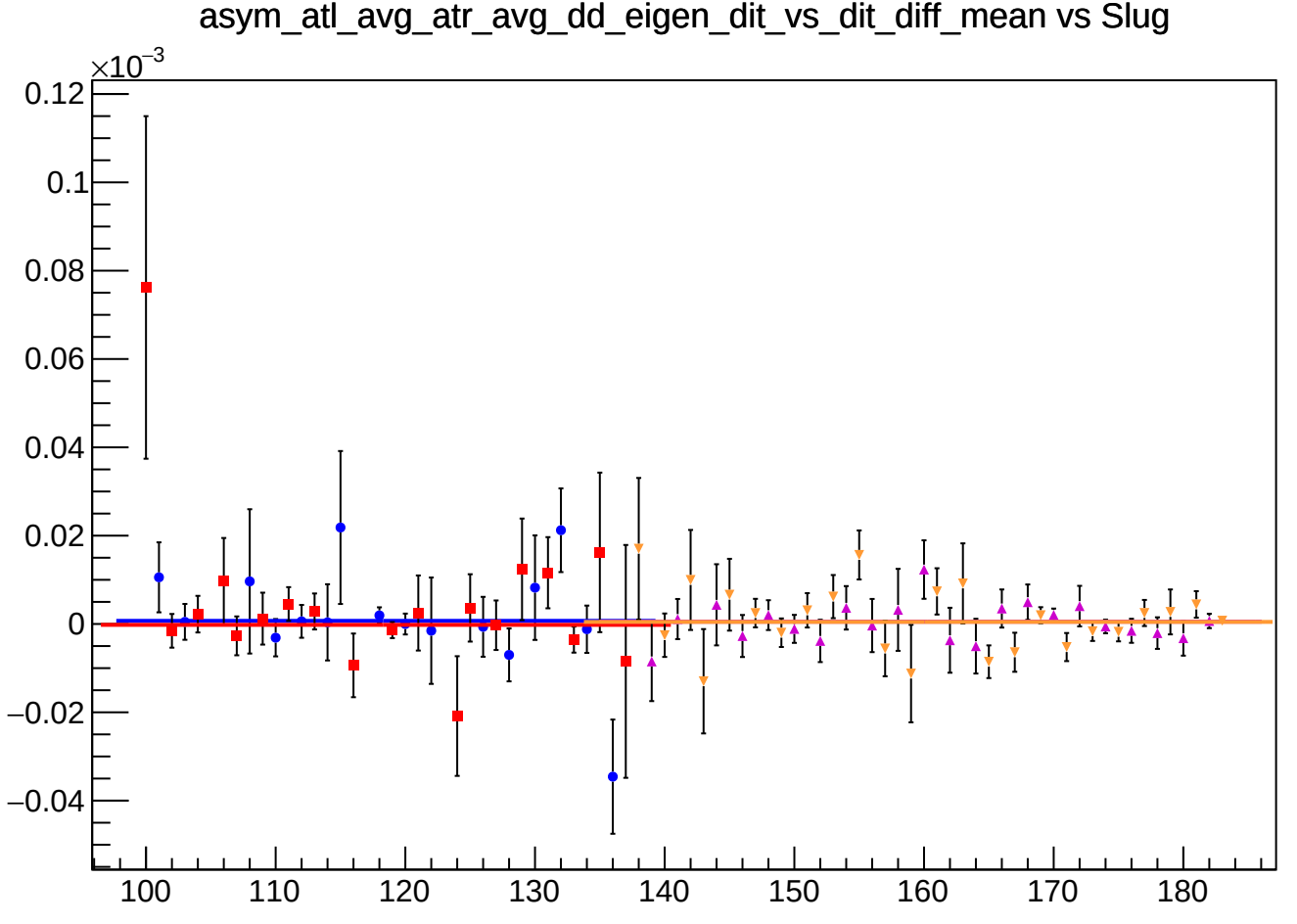
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.628+/-0.007 χ^2/NDF:8549557.8/21

+ sign 33.351+/-0.006 χ^2/NDF: 12860894.2/39

All: 33.283+/-0.004 χ^2/NDF: 24353021.5/80

- sign 33.214+/-0.006 χ^2/NDF: 11491838.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/23

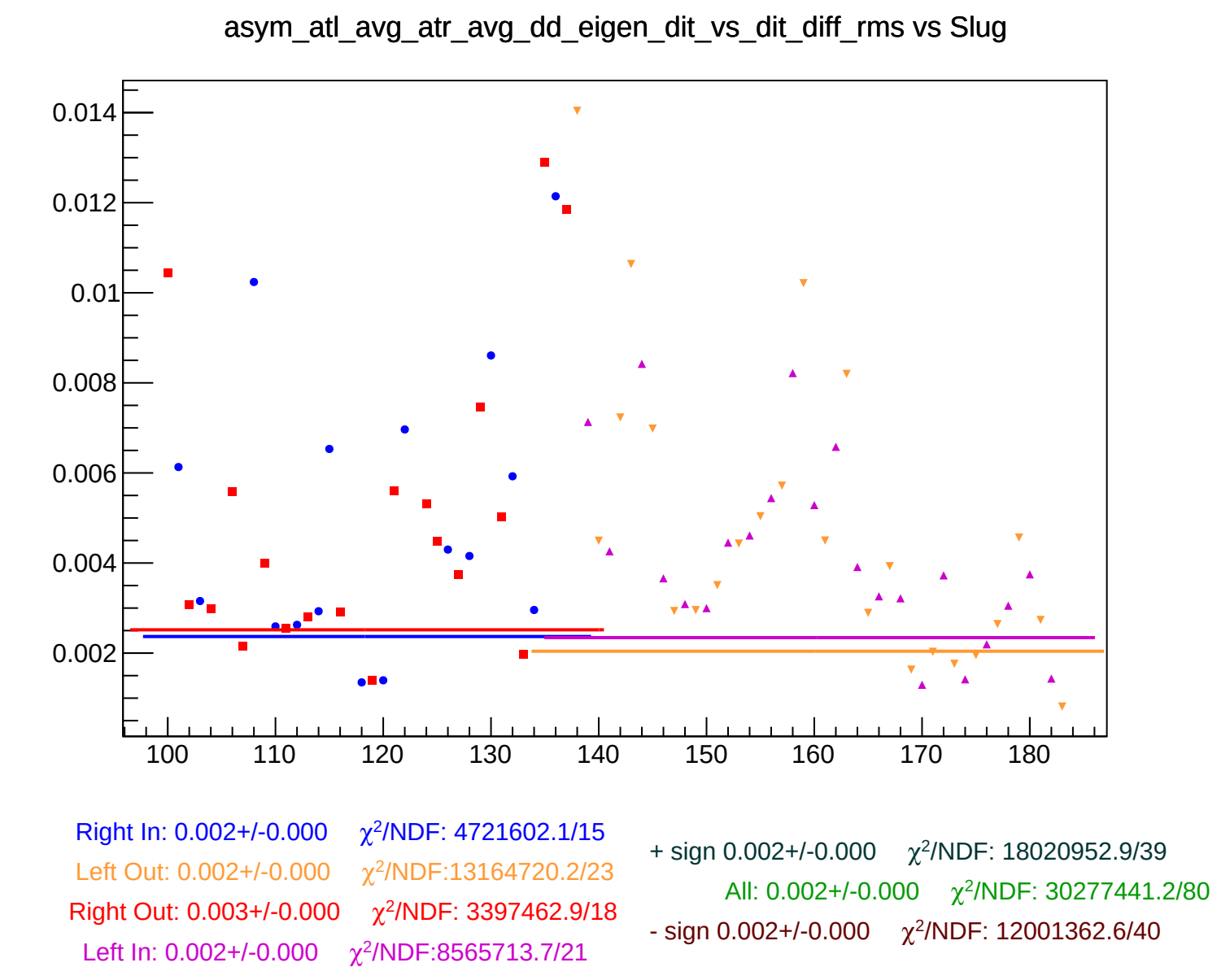
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

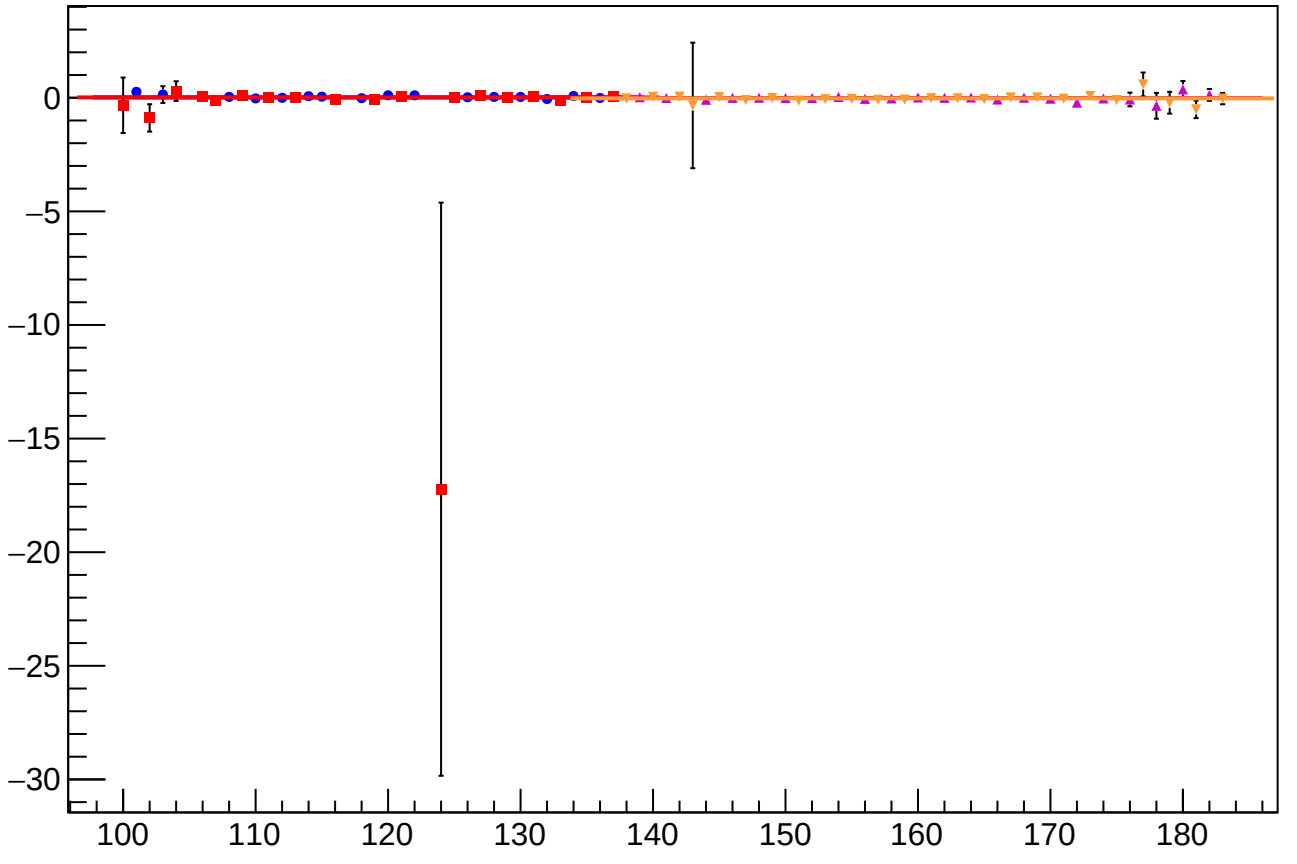
Left In: 0.000+/-0.000 χ^2/NDF:13.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/39

All: 0.000+/-0.000 χ^2/NDF: 87.0/80

- sign 0.000+/-0.000 χ^2/NDF: 32.1/40


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.002+/-0.000 χ²/NDF:13164720.2/23
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:8565713.7/21
+ sign 0.002+/-0.000 χ²/NDF: 18020952.9/39
All: 0.002+/-0.000 χ²/NDF: 30277441.2/80
- sign 0.002+/-0.000 χ²/NDF: 12001362.6/40



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

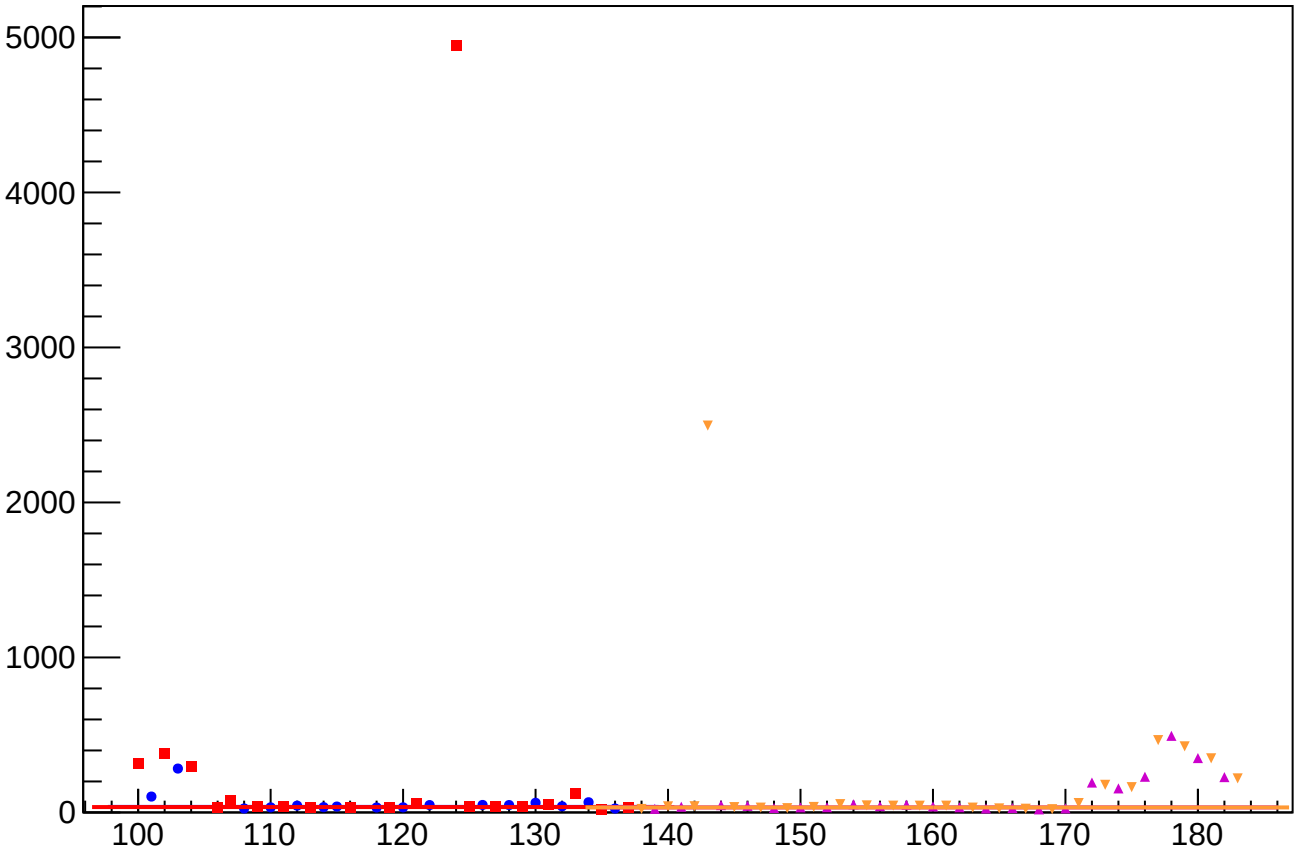
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.4/21

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 75.5/80

- sign -0.004+/-0.008 χ^2/NDF: 30.3/40



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.443+/-0.007 χ^2/NDF:10530277.3/23

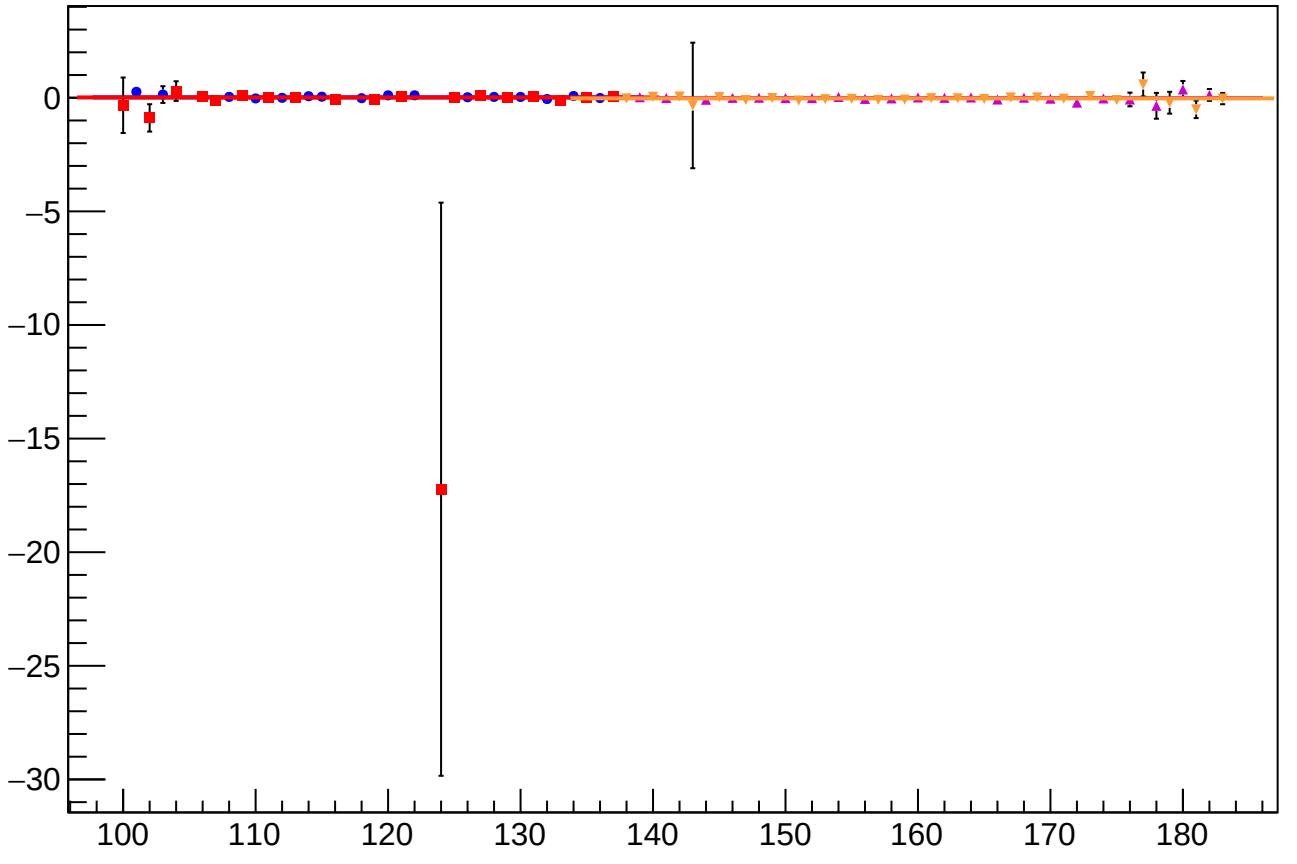
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

+ sign 33.352+/-0.006 χ^2/NDF: 12860941.3/39

All: 33.282+/-0.004 χ^2/NDF: 24353582.7/80

- sign 33.213+/-0.006 χ^2/NDF: 11492348.8/40



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

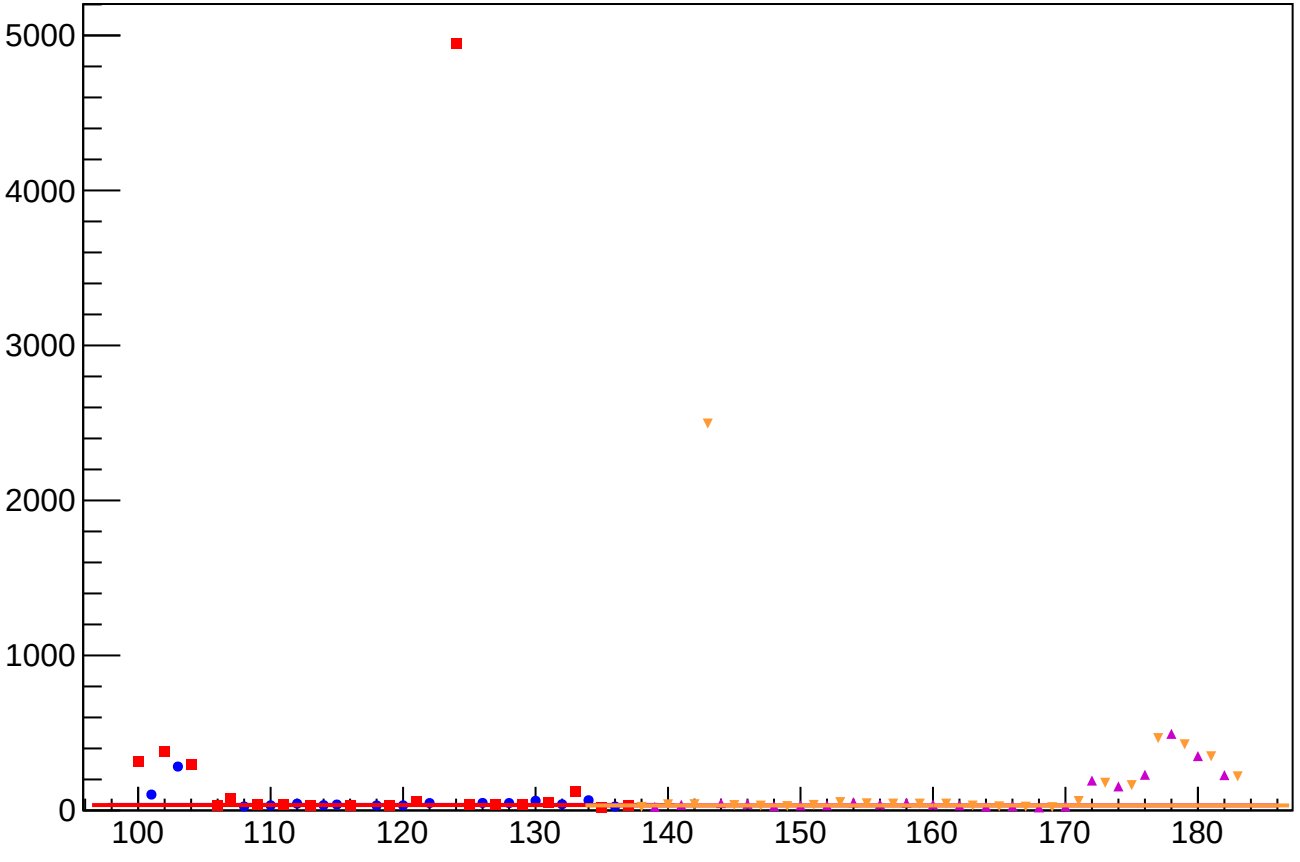
Left In: -0.011+/-0.010 χ^2/NDF:12.4/21

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 75.5/80

- sign -0.004+/-0.008 χ^2/NDF: 30.3/40

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.443+/-0.007 χ^2/NDF:10530277.3/23

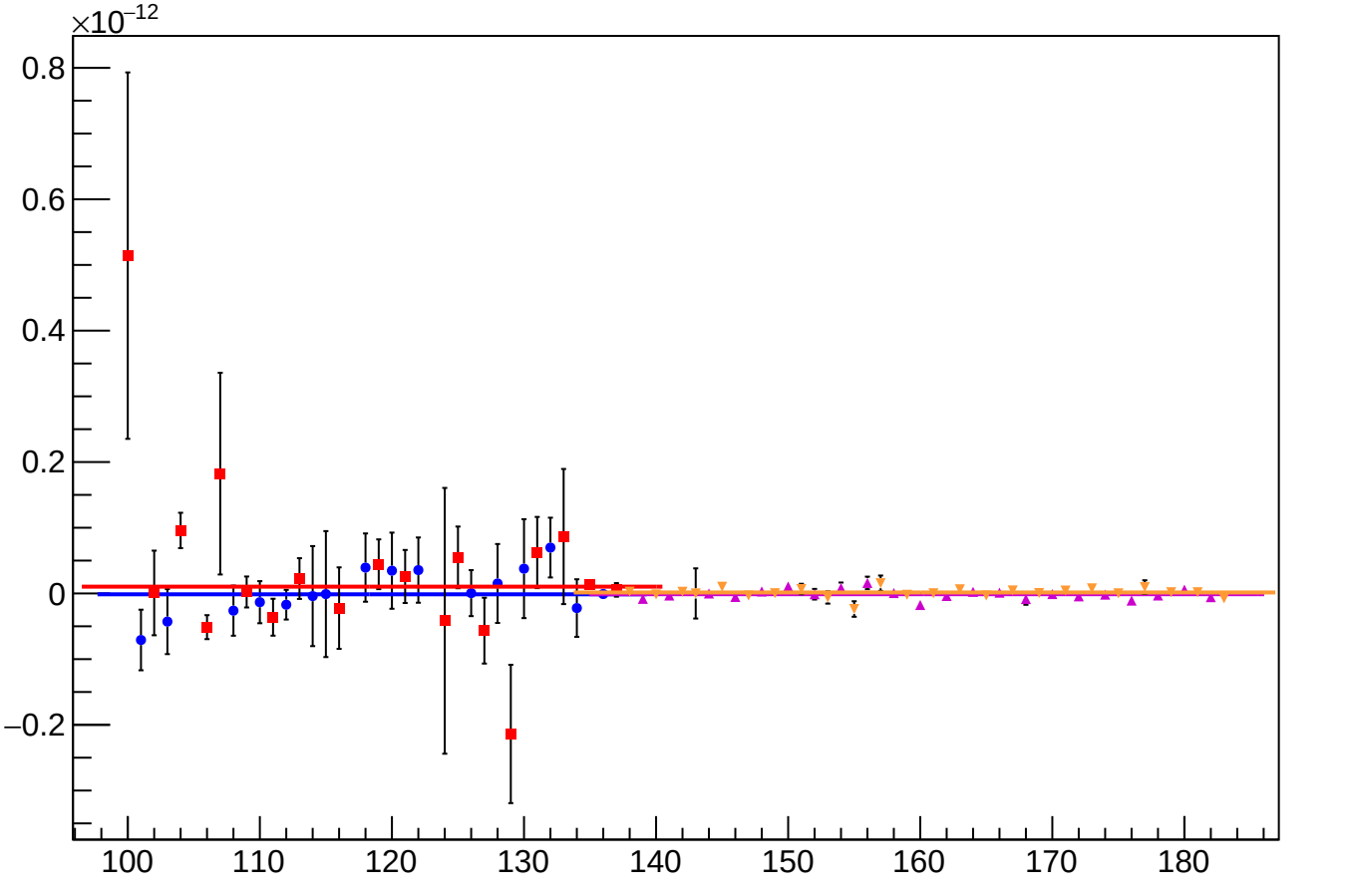
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

+ sign 33.352+/-0.006 χ^2/NDF: 12860941.3/39

All: 33.282+/-0.004 χ^2/NDF: 24353582.7/80

- sign 33.213+/-0.006 χ^2/NDF: 11492348.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/23

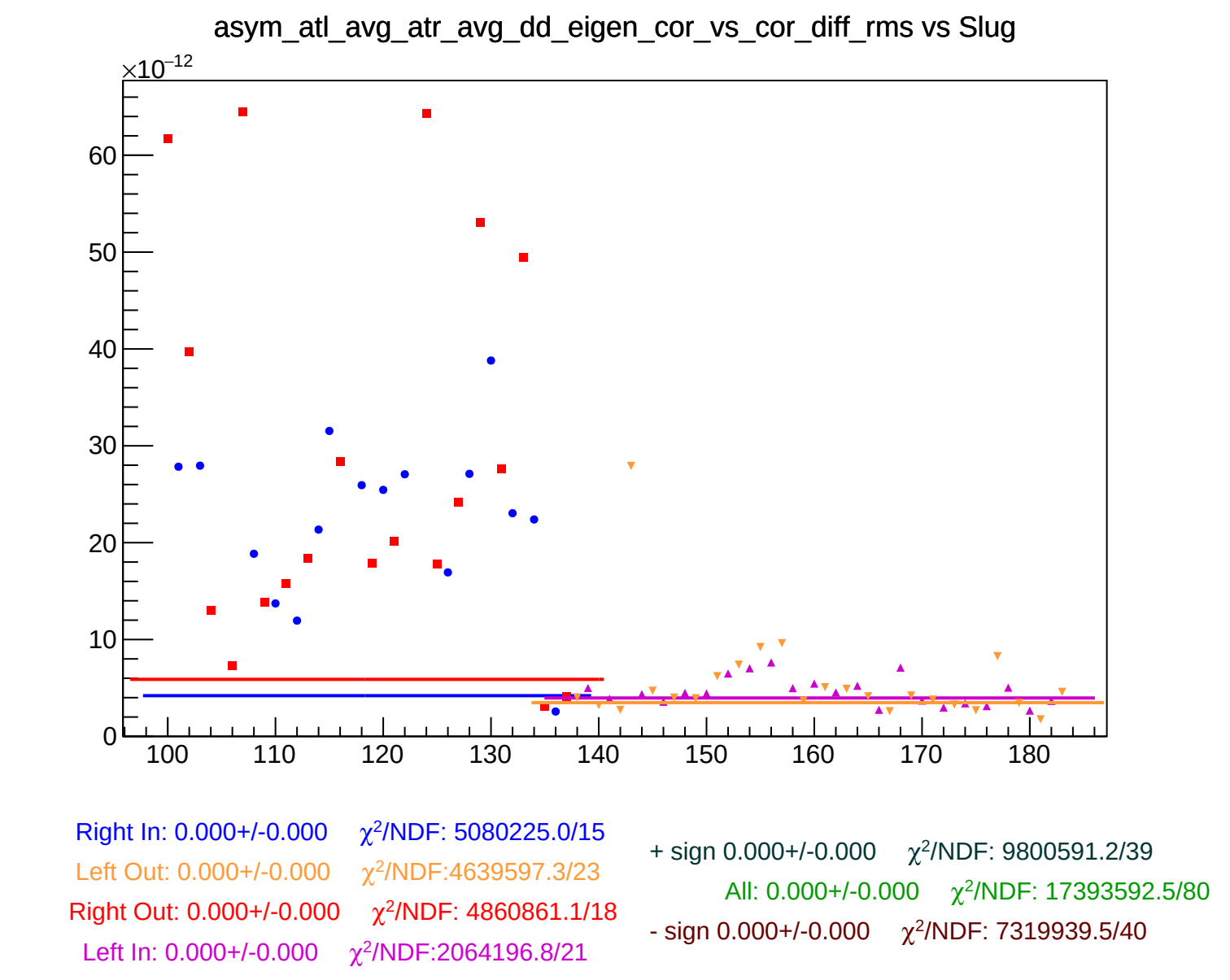
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:28.5/21

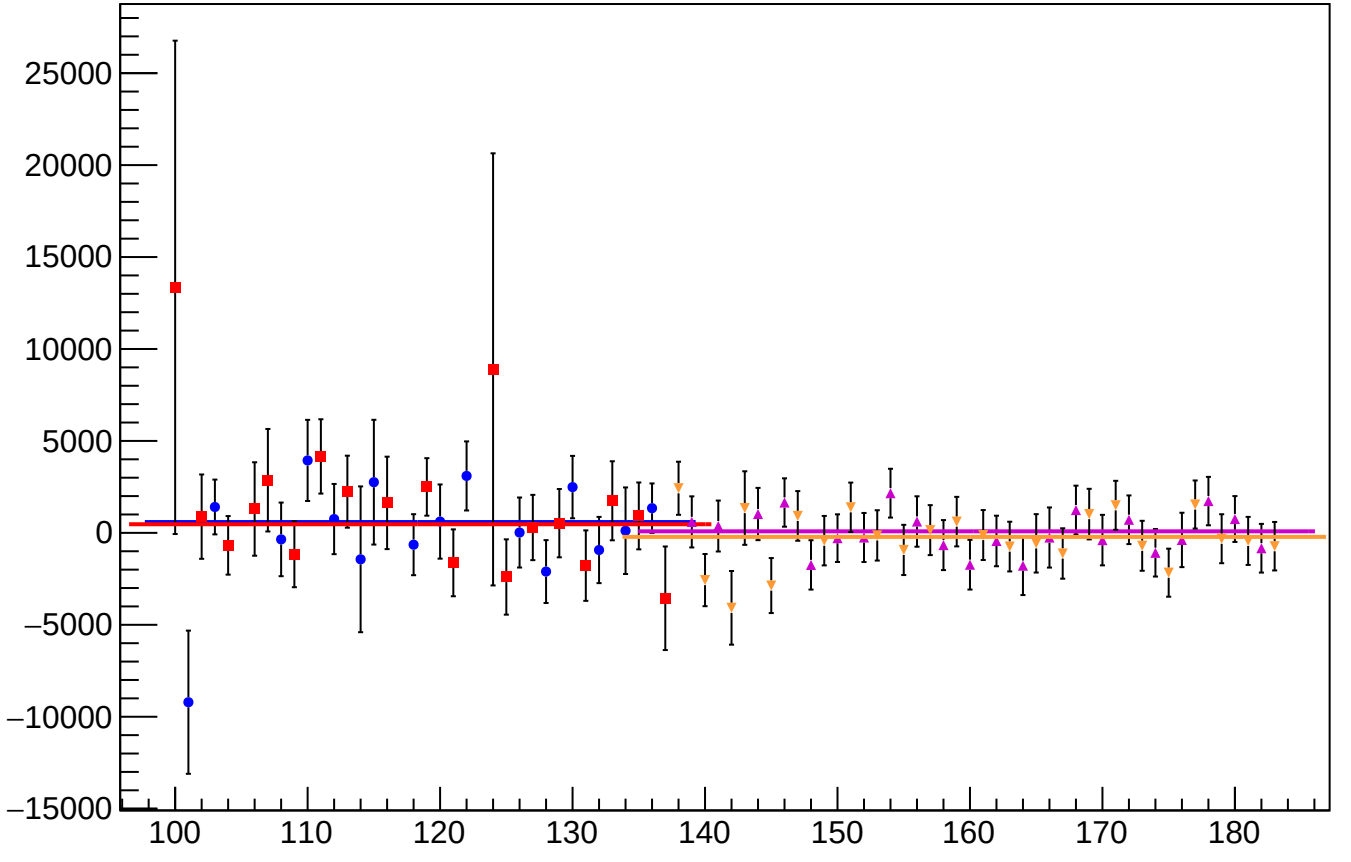
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/39

All: 0.000+/-0.000 χ^2/NDF: 103.7/80

- sign -0.000+/-0.000 χ^2/NDF: 75.4/40


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
0
10
20
30
40
50
60
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4639597.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:2064196.8/21
+ sign 0.000+/-0.000 χ²/NDF: 9800591.2/39
All: 0.000+/-0.000 χ²/NDF: 17393592.5/80
- sign 0.000+/-0.000 χ²/NDF: 7319939.5/40

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.245+/-285.239 χ^2/NDF:23.9/23

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

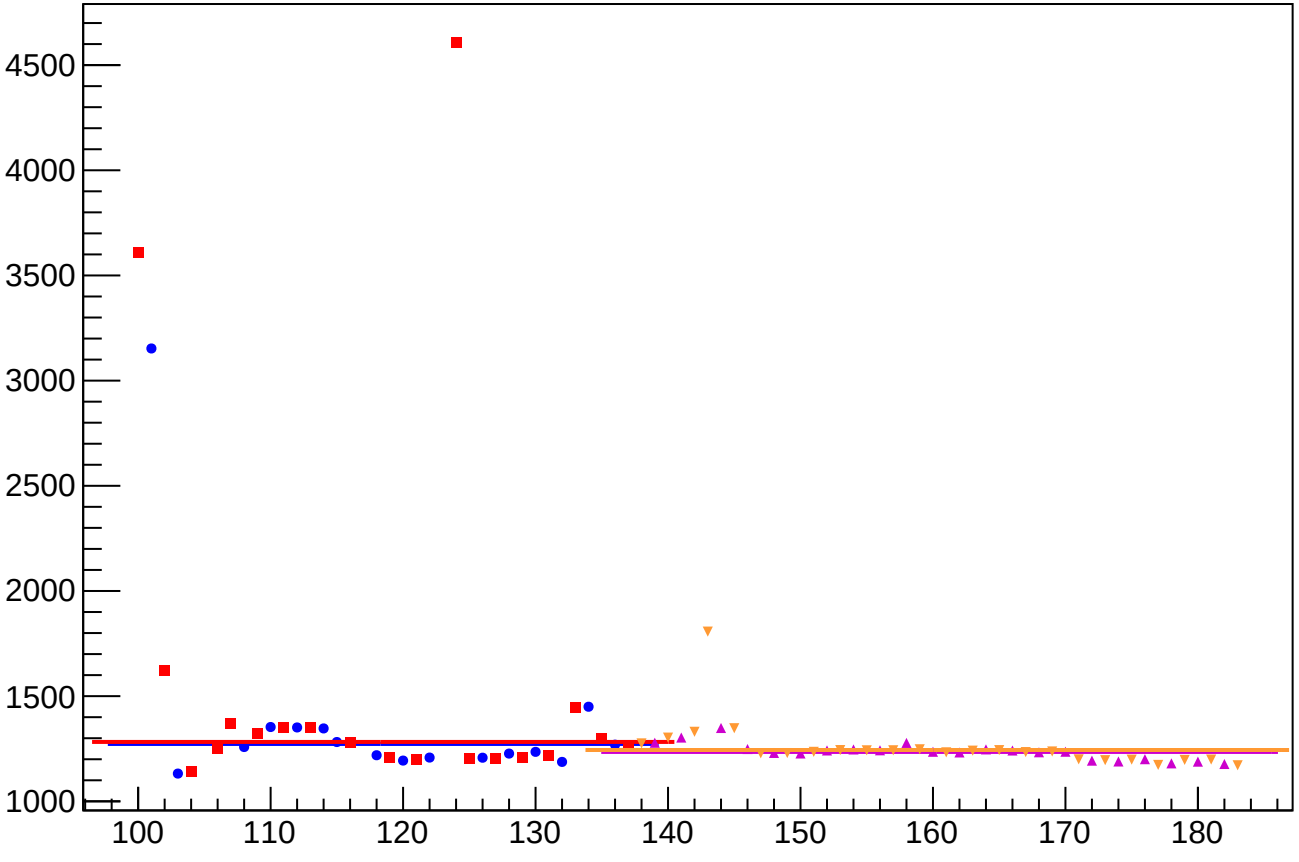
Left In: 84.065+/-290.828 χ^2/NDF:14.6/21

+ sign -10.423+/-245.533 χ^2/NDF: 43.1/39

All: 87.116+/-174.764 χ^2/NDF: 75.3/80

- sign 187.272+/-248.806 χ^2/NDF: 32.0/40

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

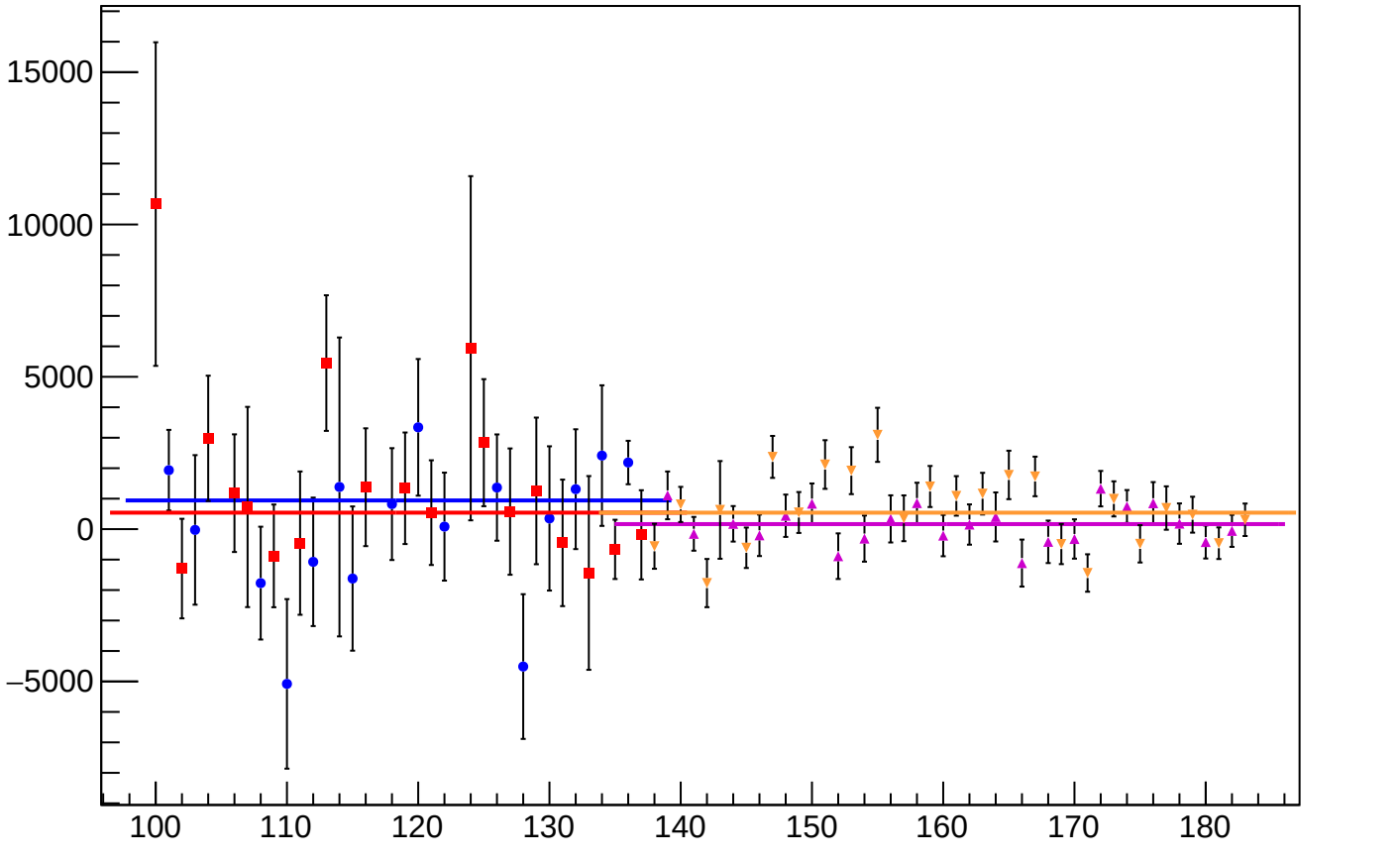
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

+ sign 1251.458+/-0.174 χ^2/NDF: 725672.5/39

All: 1249.531+/-0.124 χ^2/NDF: 1100170.4/80

- sign 1247.553+/-0.176 χ^2/NDF: 374248.3/40



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 540.319+/-137.250 χ^2/NDF:65.7/23

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

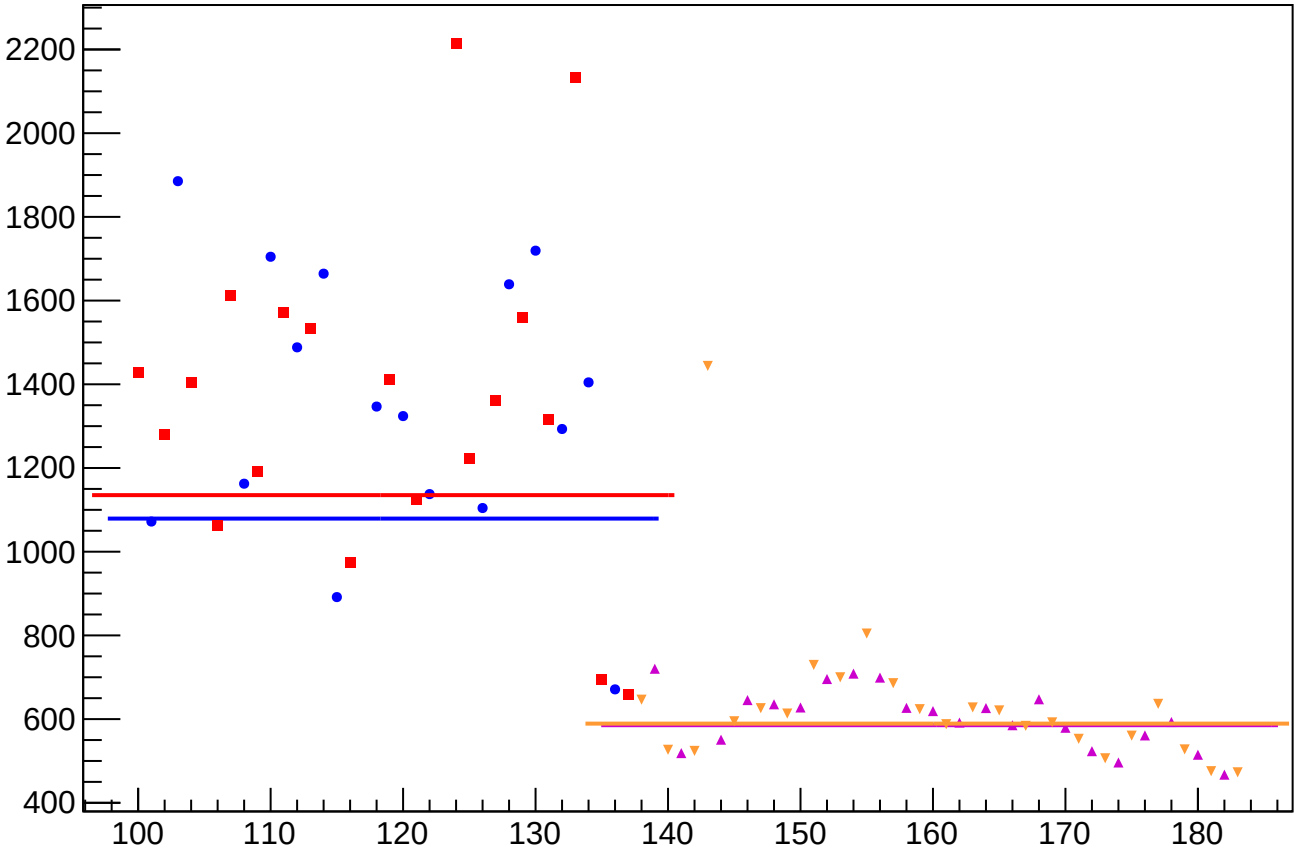
Left In: 165.133+/-139.105 χ^2/NDF:18.6/21

+ sign 578.097+/-130.632 χ^2/NDF: 86.4/39

All: 391.558+/-93.070 χ^2/NDF: 127.0/80

- sign 199.266+/-132.632 χ^2/NDF: 36.5/40

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 589.206+/-0.097 χ^2/NDF:1168729.8/23

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

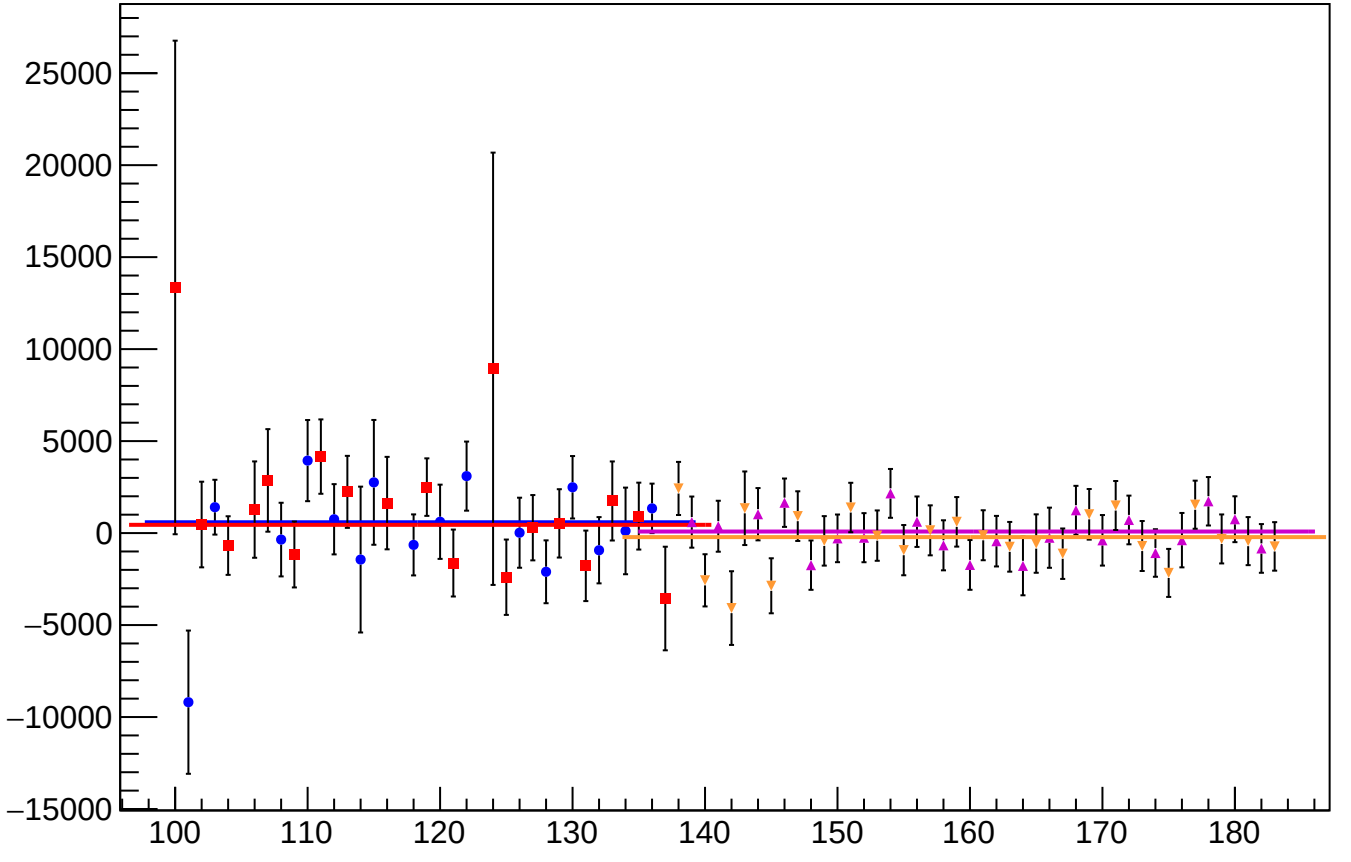
Left In: 585.445+/-0.098 χ^2/NDF:517567.4/21

+ sign 635.310+/-0.092 χ^2/NDF: 5049019.3/39

All: 635.362+/-0.066 χ^2/NDF: 9698893.0/80

- sign 635.415+/-0.094 χ^2/NDF: 4649873.1/40

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.287+/-285.239 χ^2/NDF:23.9/23

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

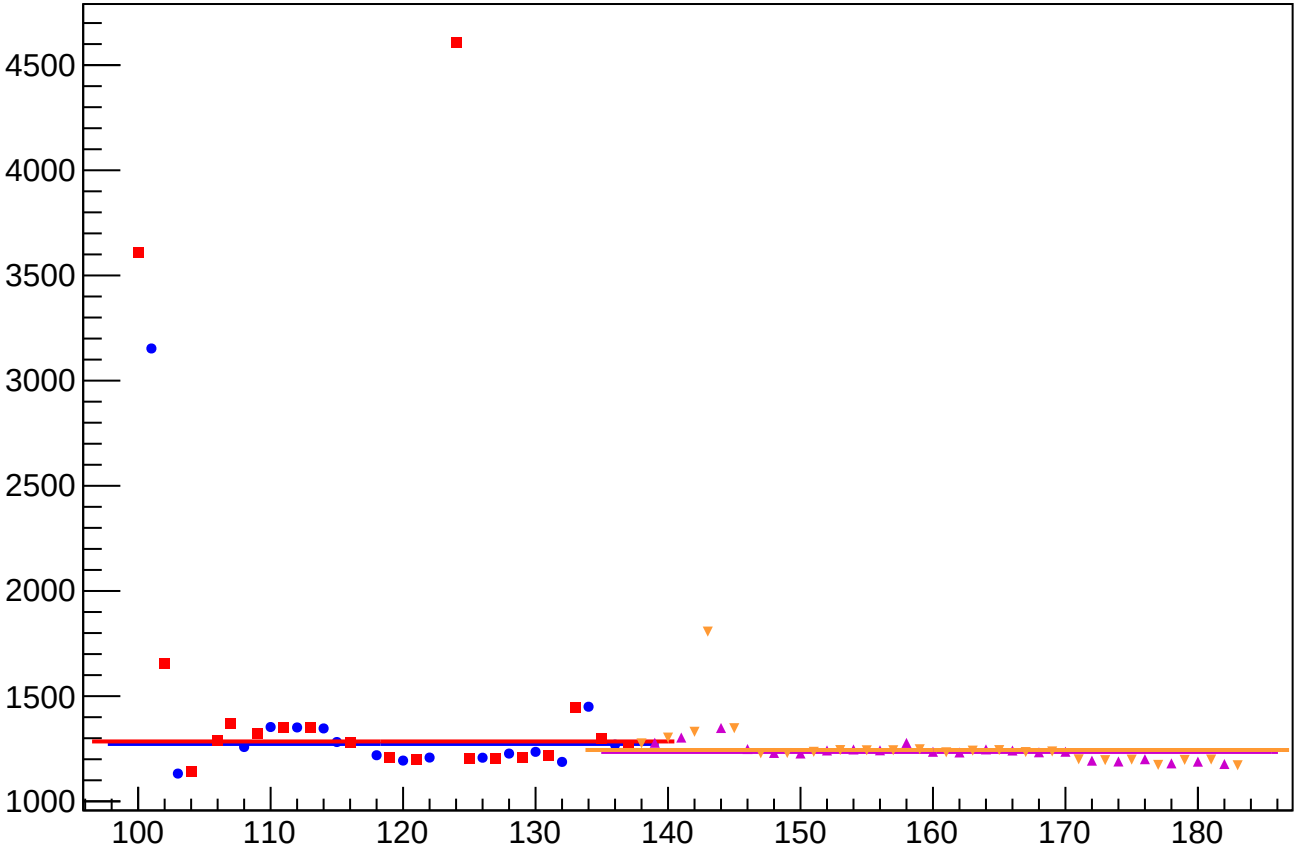
Left In: 84.117+/-290.828 χ^2/NDF:14.6/21

\+ sign -10.371+/-245.533 χ^2/NDF: 43.0/39

All: 84.272+/-174.803 χ^2/NDF: 75.2/80

\- sign 181.544+/-248.919 χ^2/NDF: 31.9/40

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

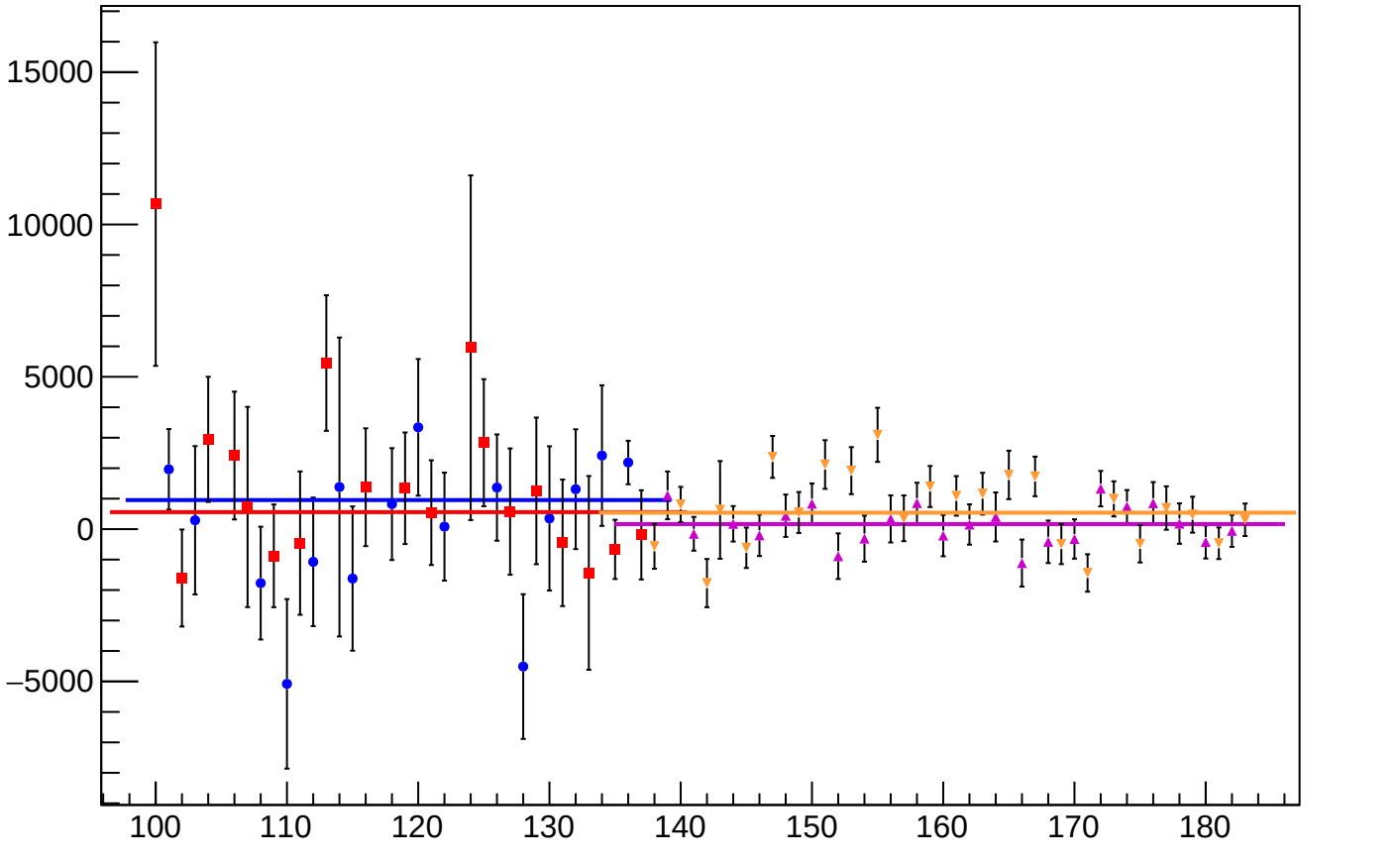
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

+ sign 1251.458+/-0.174 χ^2/NDF: 725673.9/39

All: 1249.819+/-0.124 χ^2/NDF: 1108134.0/80

- sign 1248.134+/-0.176 χ^2/NDF: 382279.3/40



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

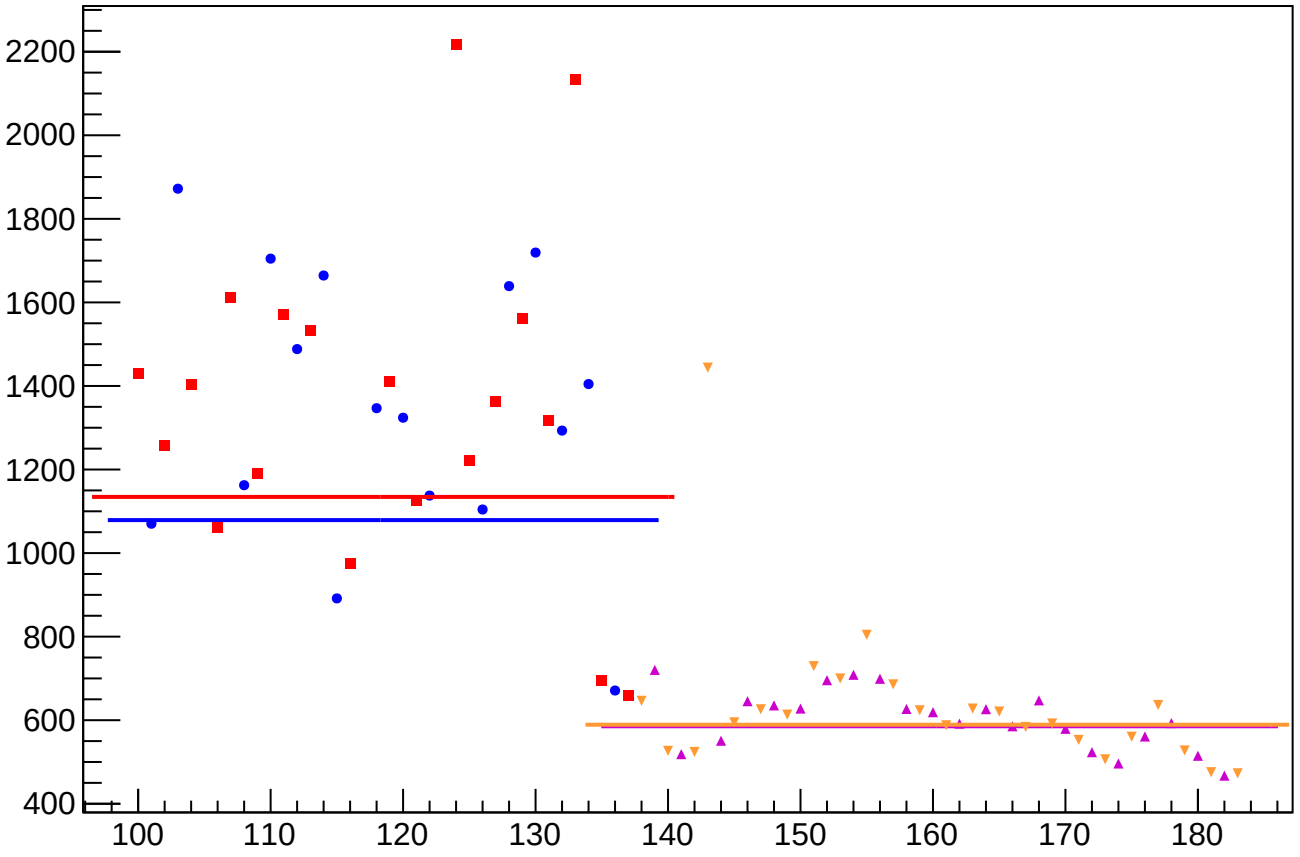
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 165.131+/-139.104 χ^2/NDF:18.6/21

+ sign 579.289+/-130.628 χ^2/NDF: 86.4/39

All: 392.914+/-93.076 χ^2/NDF: 128.3/80

- sign 200.712+/-132.654 χ^2/NDF: 37.7/40



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 589.211+/-0.097 χ^2/NDF:1168627.5/23

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

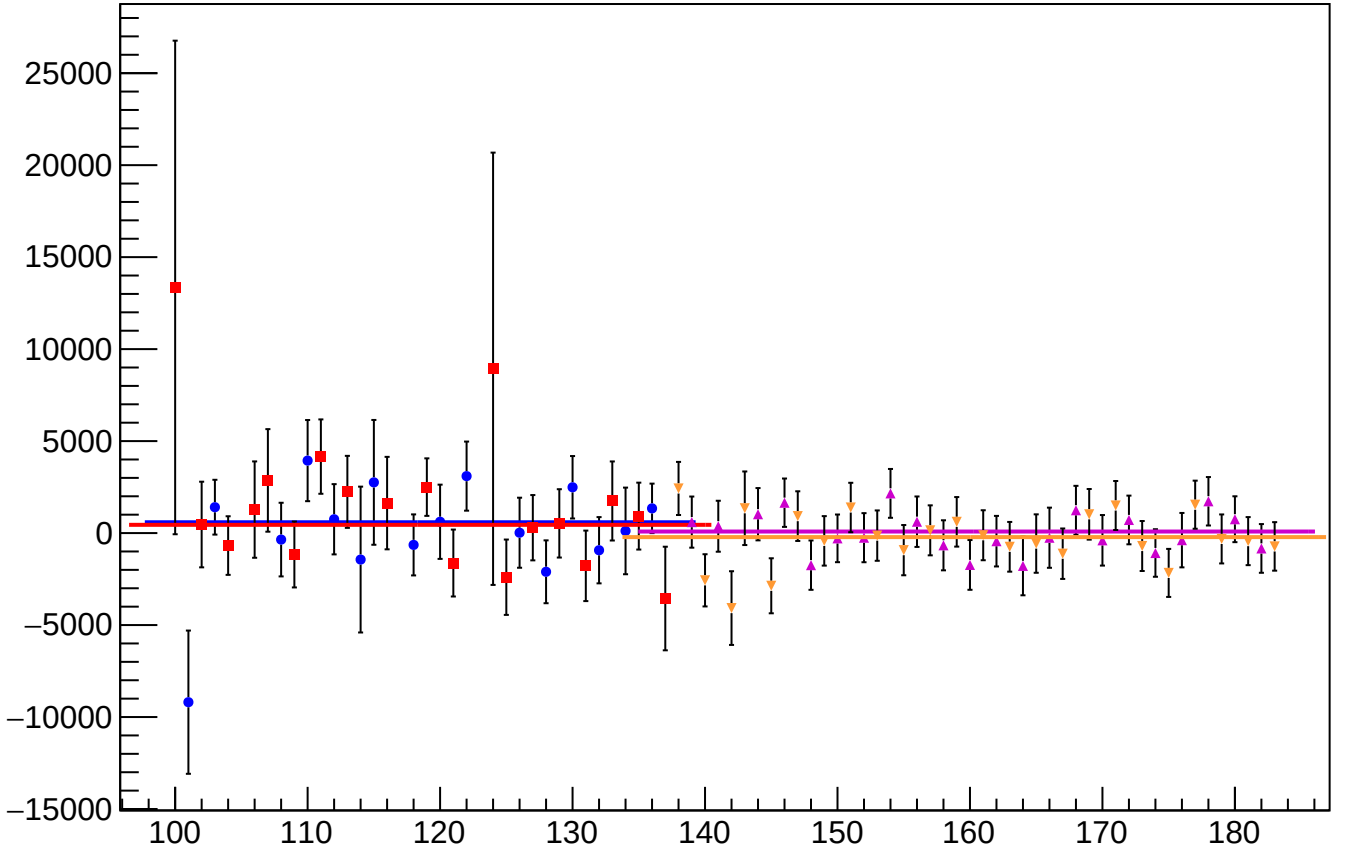
Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

+ sign 635.332+/-0.092 χ^2/NDF: 5045313.3/39

All: 635.252+/-0.066 χ^2/NDF: 9673529.0/80

- sign 635.170+/-0.094 χ^2/NDF: 4628214.2/40

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.287+/-285.239 χ^2/NDF:23.9/23

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

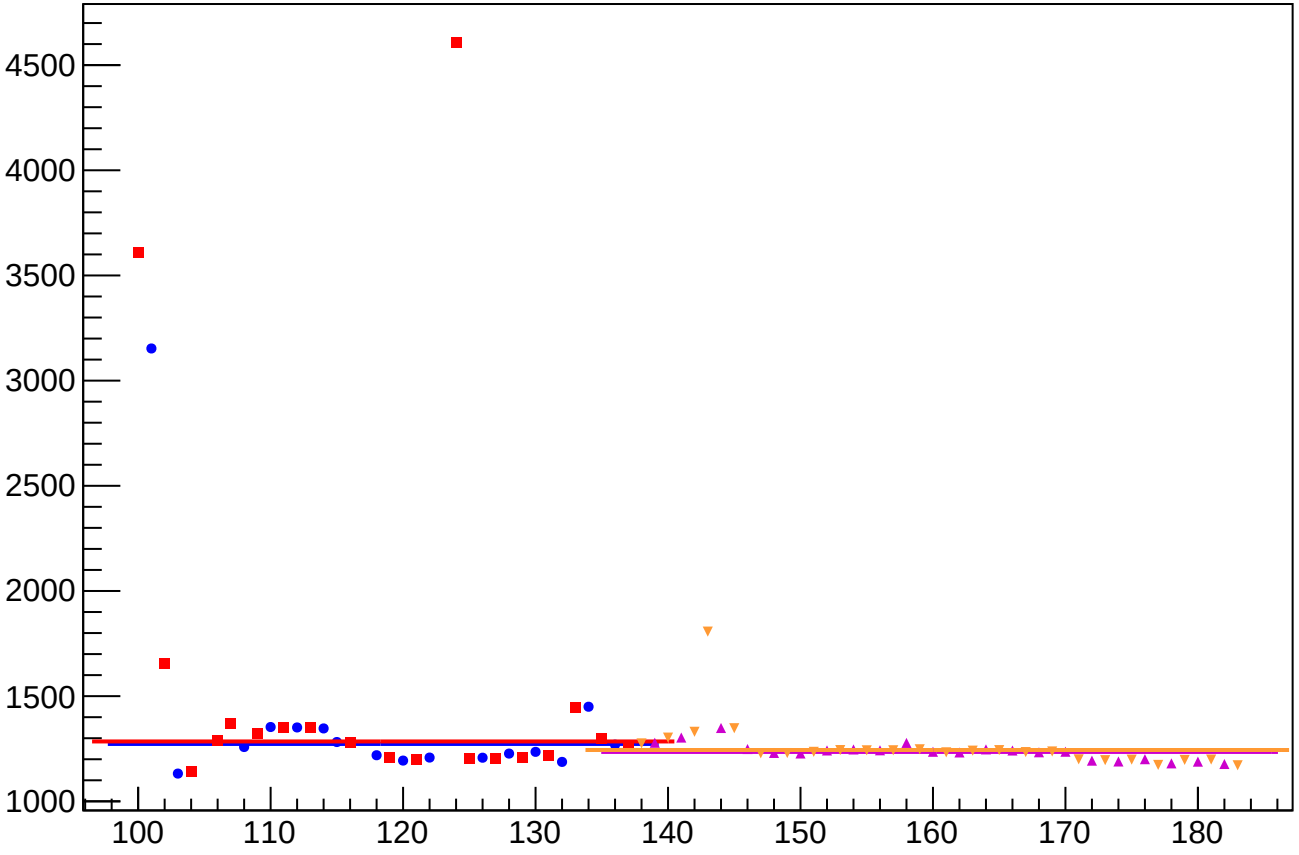
Left In: 84.117+/-290.828 χ^2/NDF:14.6/21

+ sign -10.371+/-245.533 χ^2/NDF: 43.0/39

All: 84.272+/-174.803 χ^2/NDF: 75.2/80

- sign 181.544+/-248.919 χ^2/NDF: 31.9/40

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

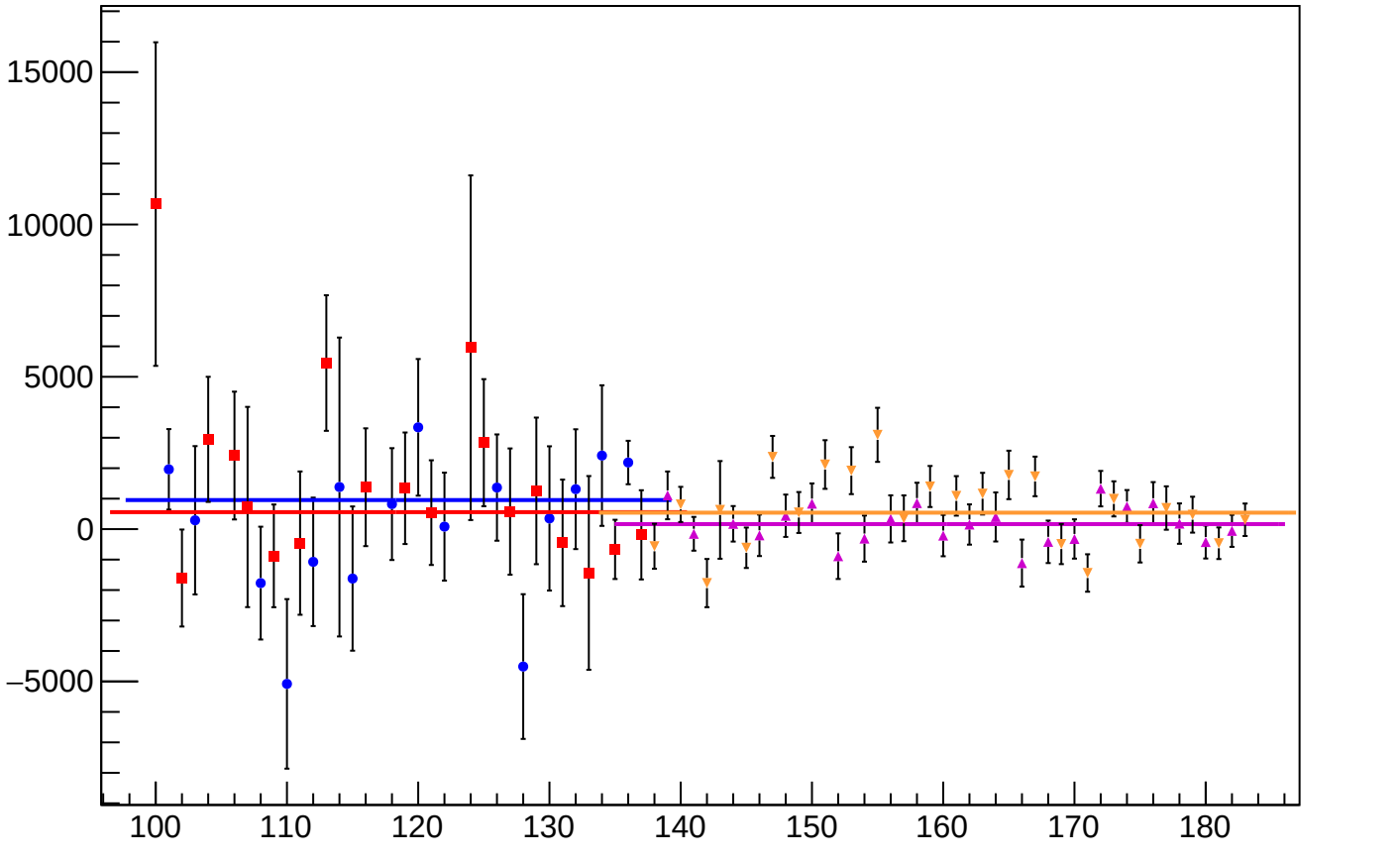
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

+ sign 1251.458+/-0.174 χ^2/NDF: 725673.9/39

All: 1249.819+/-0.124 χ^2/NDF: 1108134.0/80

- sign 1248.134+/-0.176 χ^2/NDF: 382279.3/40



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

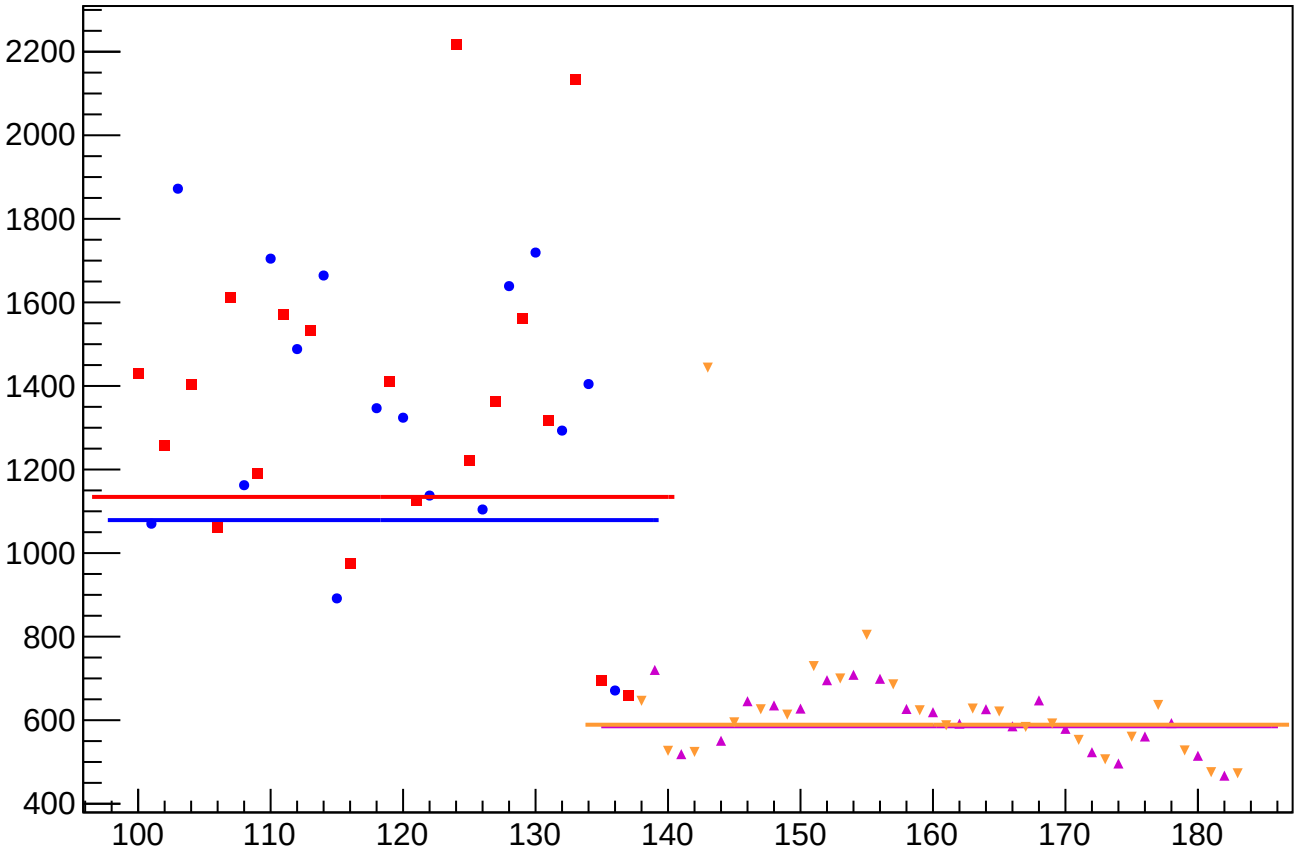
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 165.131+/-139.104 χ^2/NDF:18.6/21

+ sign 579.289+/-130.628 χ^2/NDF: 86.4/39

All: 392.914+/-93.076 χ^2/NDF: 128.3/80

- sign 200.712+/-132.654 χ^2/NDF: 37.7/40



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 589.211+/-0.097 χ^2/NDF:1168627.5/23

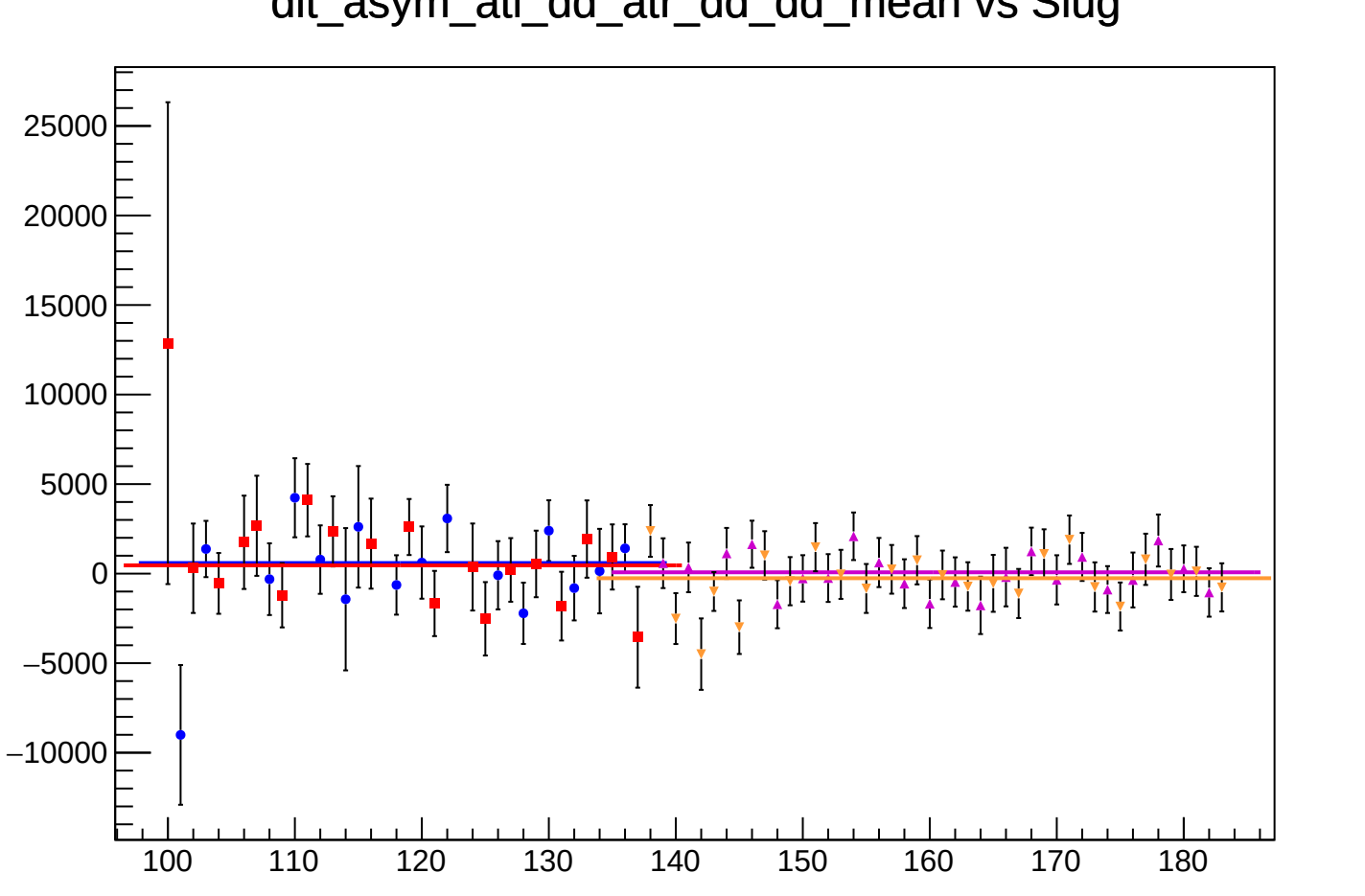
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

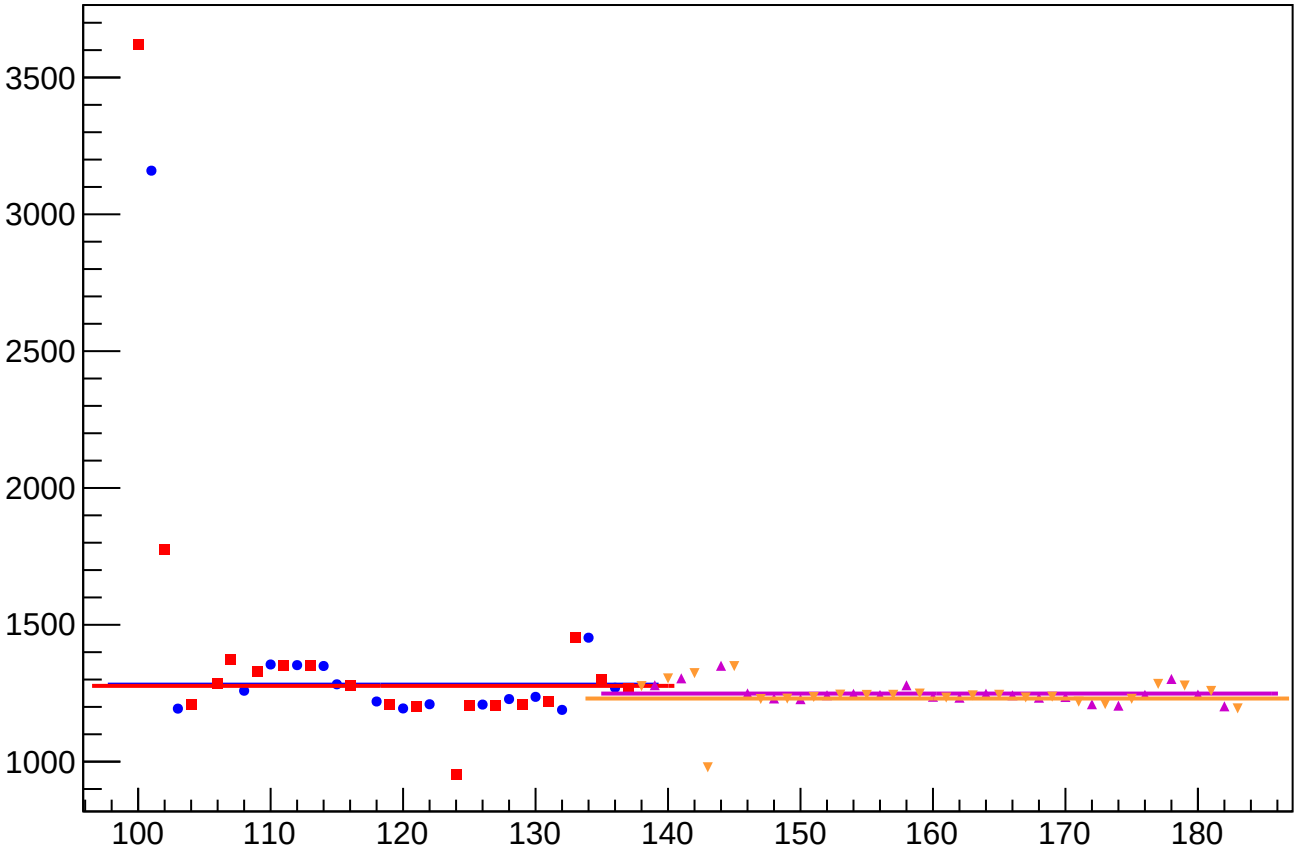
+ sign 635.332+/-0.092 χ^2/NDF: 5045313.3/39

All: 635.252+/-0.066 χ^2/NDF: 9673529.0/80

- sign 635.170+/-0.094 χ^2/NDF: 4628214.2/40


dit_asym_atl_dd_atr_dd_dd_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -256.613+/-281.964 χ²/NDF:24.0/23
Right Out: 462.606+/-476.795 χ²/NDF: 16.7/18
Left In: 73.636+/-294.072 χ²/NDF:14.0/21
+ sign -42.987+/-243.824 χ²/NDF: 43.4/39
All: 65.989+/-174.652 χ²/NDF: 75.0/80
- sign 180.826+/-250.294 χ²/NDF: 31.2/40

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1230.615+/-0.199 χ^2/NDF:140919.0/23

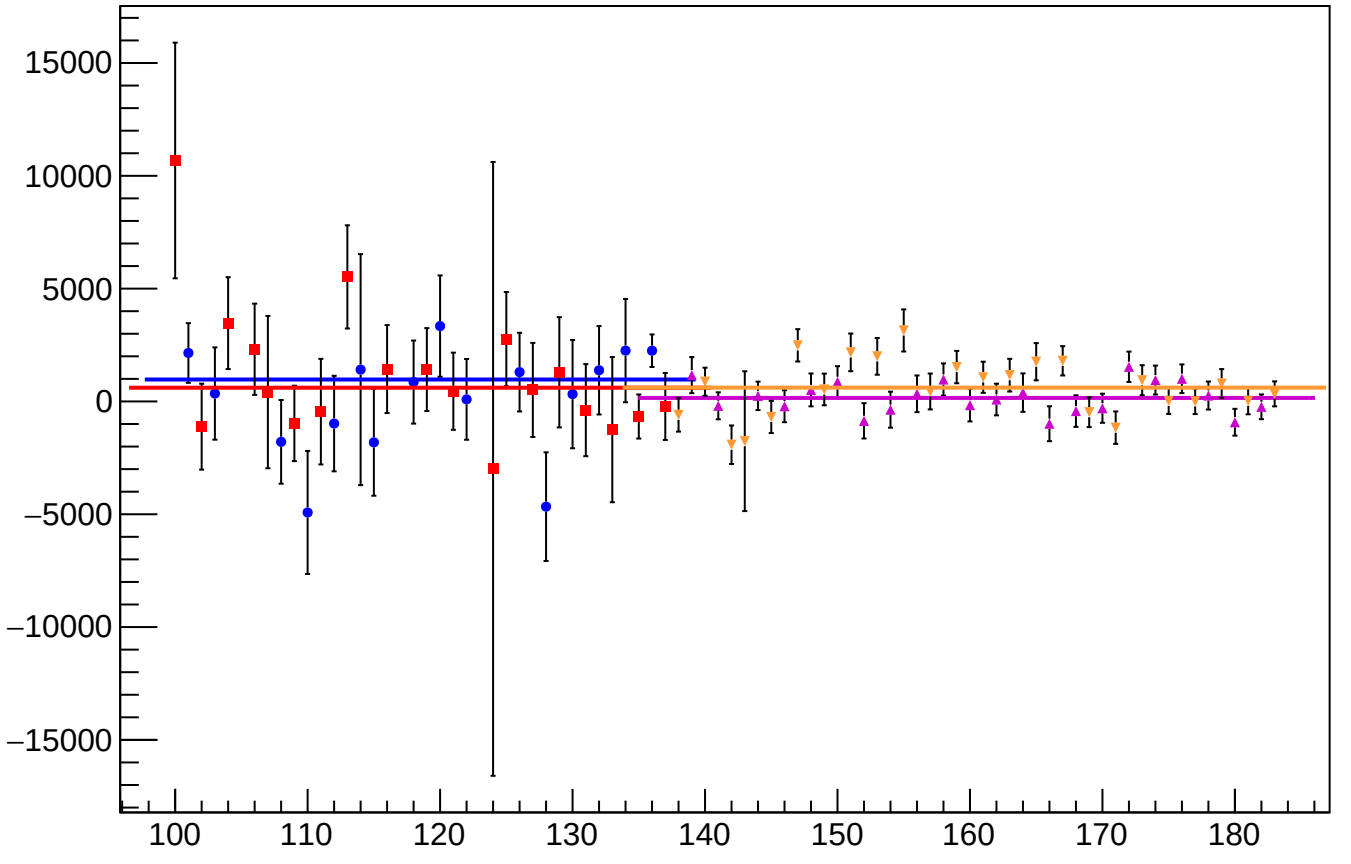
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.730+/-0.208 χ^2/NDF:26173.3/21

+ sign 1243.417+/-0.172 χ^2/NDF: 664342.8/39

All: 1249.778+/-0.123 χ^2/NDF: 918869.1/80

- sign 1256.482+/-0.177 χ^2/NDF: 251730.0/40



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.744 χ^2/NDF:56.6/23

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

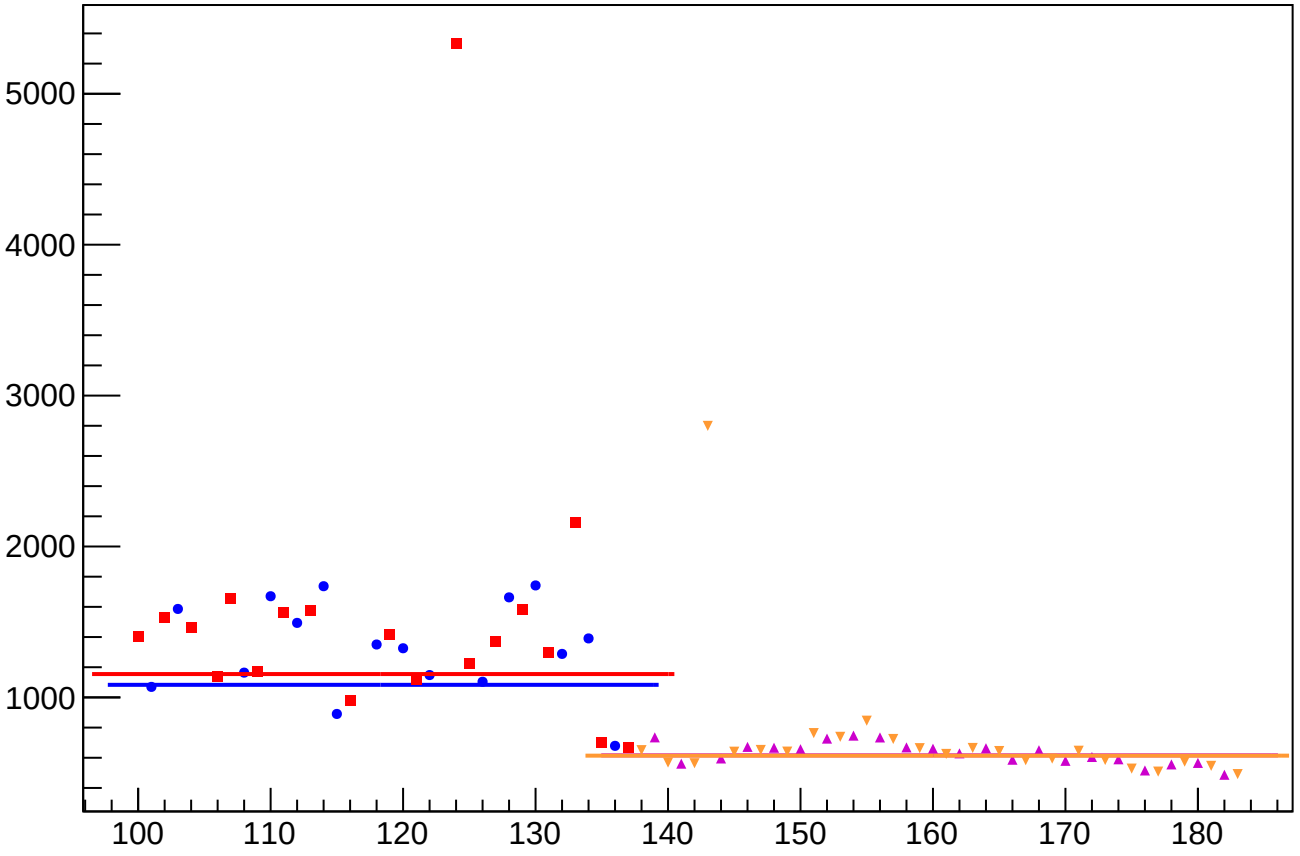
Left In: 156.189+/-146.189 χ^2/NDF:22.0/21

\+ sign 649.680+/-136.173 χ^2/NDF: 77.7/39

All: 429.290+/-97.263 χ^2/NDF: 123.1/80

\- sign 199.757+/-138.969 χ^2/NDF: 40.0/40

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582623.8/23

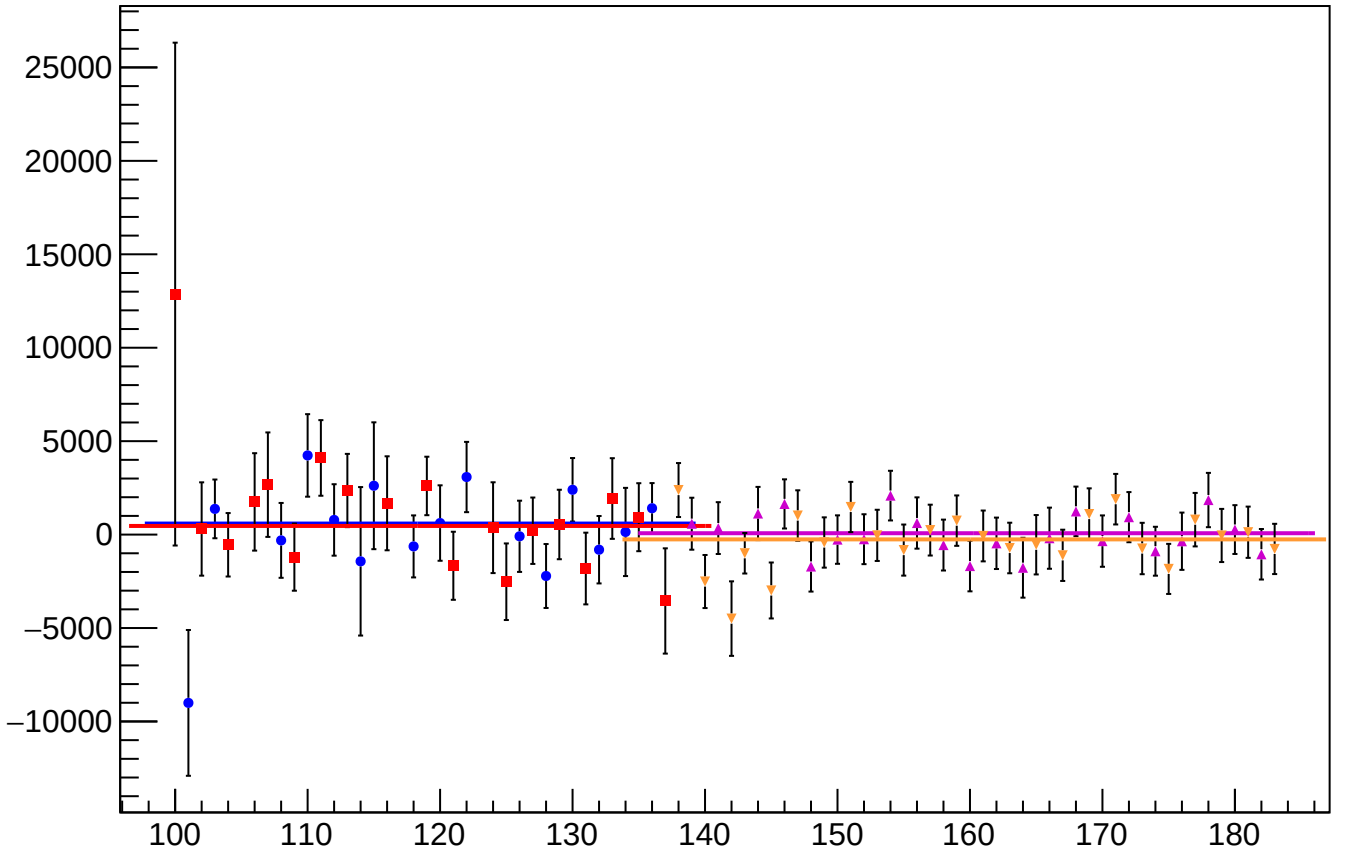
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 615.957+/-0.103 χ^2/NDF:464038.0/21

+ sign 662.129+/-0.096 χ^2/NDF: 5129462.8/39

All: 664.937+/-0.069 χ^2/NDF: 9700506.6/80

- sign 667.861+/-0.098 χ^2/NDF: 4569307.9/40



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -256.615+/-281.964 χ^2/NDF:24.0/23

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

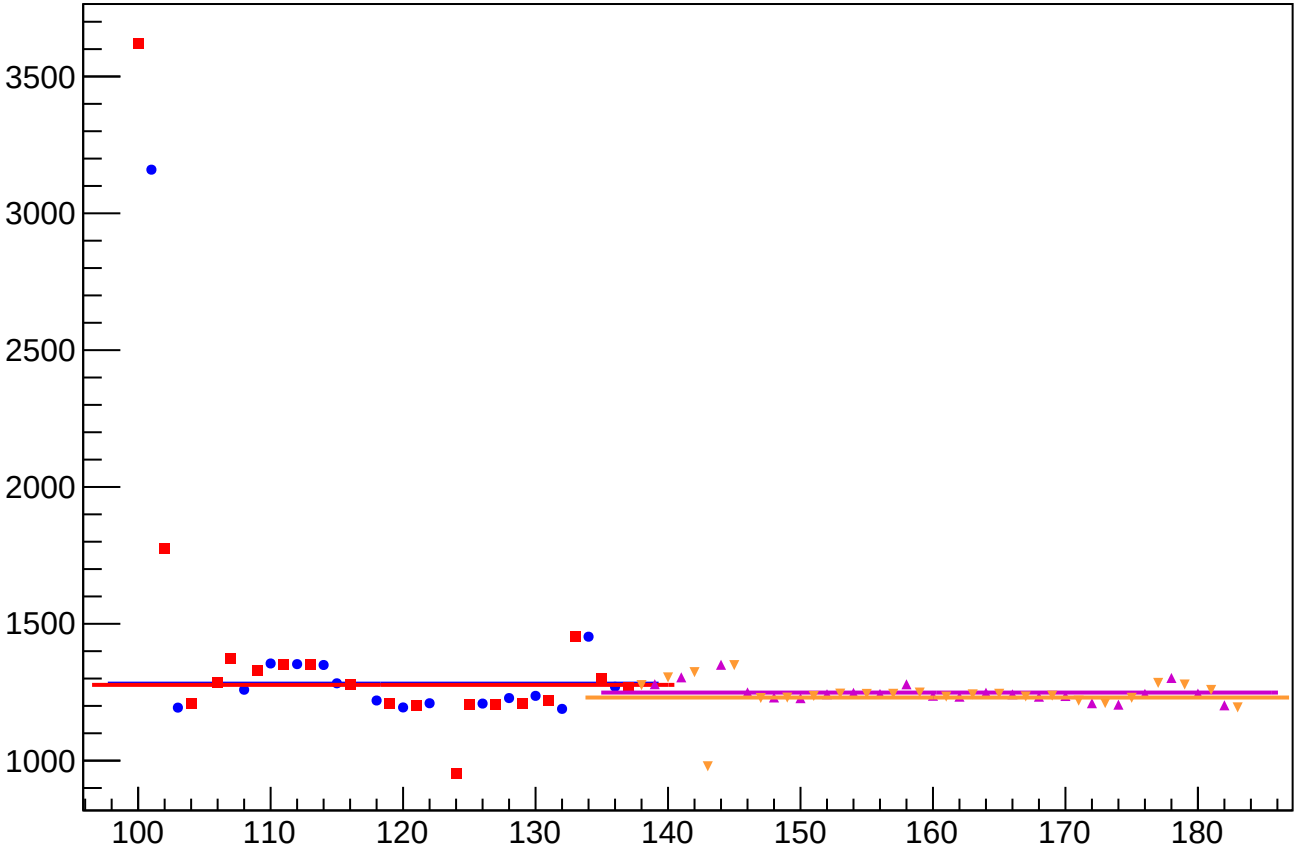
Left In: 73.635+/-294.072 χ^2/NDF:14.0/21

+ sign -42.987+/-243.824 χ^2/NDF: 43.4/39

All: 65.989+/-174.652 χ^2/NDF: 75.0/80

- sign 180.825+/-250.294 χ^2/NDF: 31.2/40

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1230.614+/-0.199 χ^2/NDF:140918.1/23

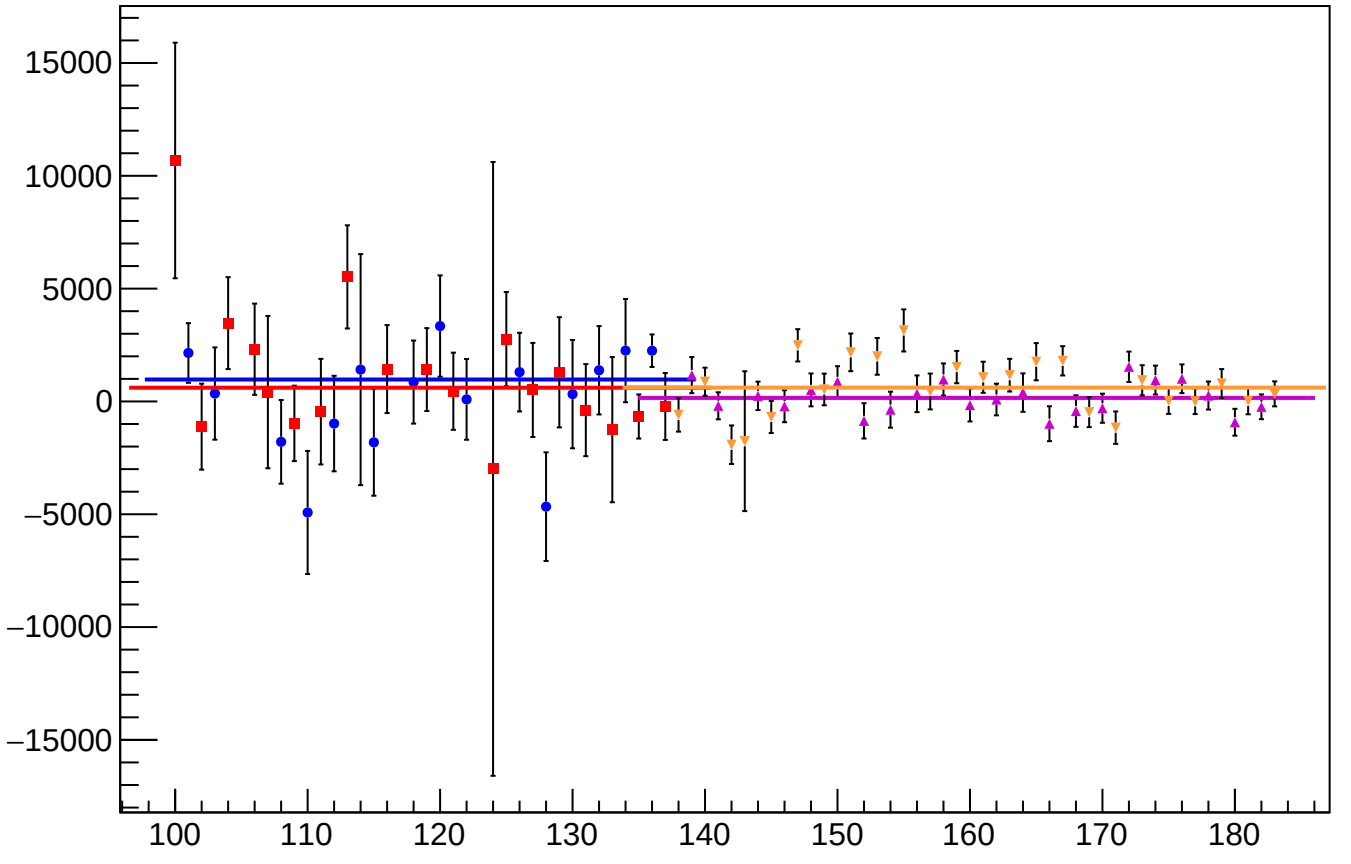
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.730+/-0.208 χ^2/NDF:26173.2/21

+ sign 1243.416+/-0.172 χ^2/NDF: 664342.0/39

All: 1249.778+/-0.123 χ^2/NDF: 918868.1/80

- sign 1256.482+/-0.177 χ^2/NDF: 251729.8/40



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.743 χ^2/NDF:56.6/23

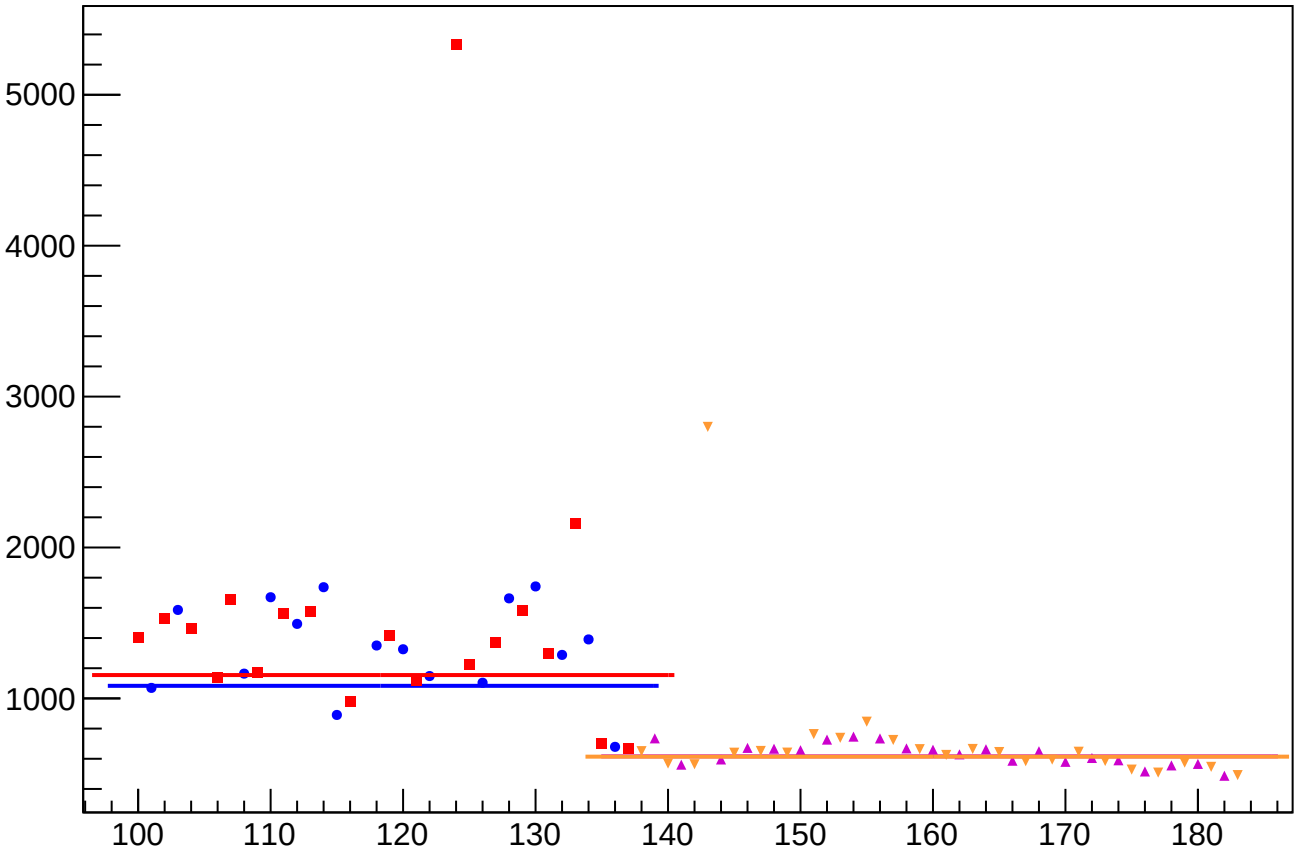
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 156.188+/-146.189 χ^2/NDF:22.0/21

+ sign 649.680+/-136.173 χ^2/NDF: 77.7/39

All: 429.289+/-97.262 χ^2/NDF: 123.1/80

- sign 199.757+/-138.969 χ^2/NDF: 40.0/40



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582621.3/23

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

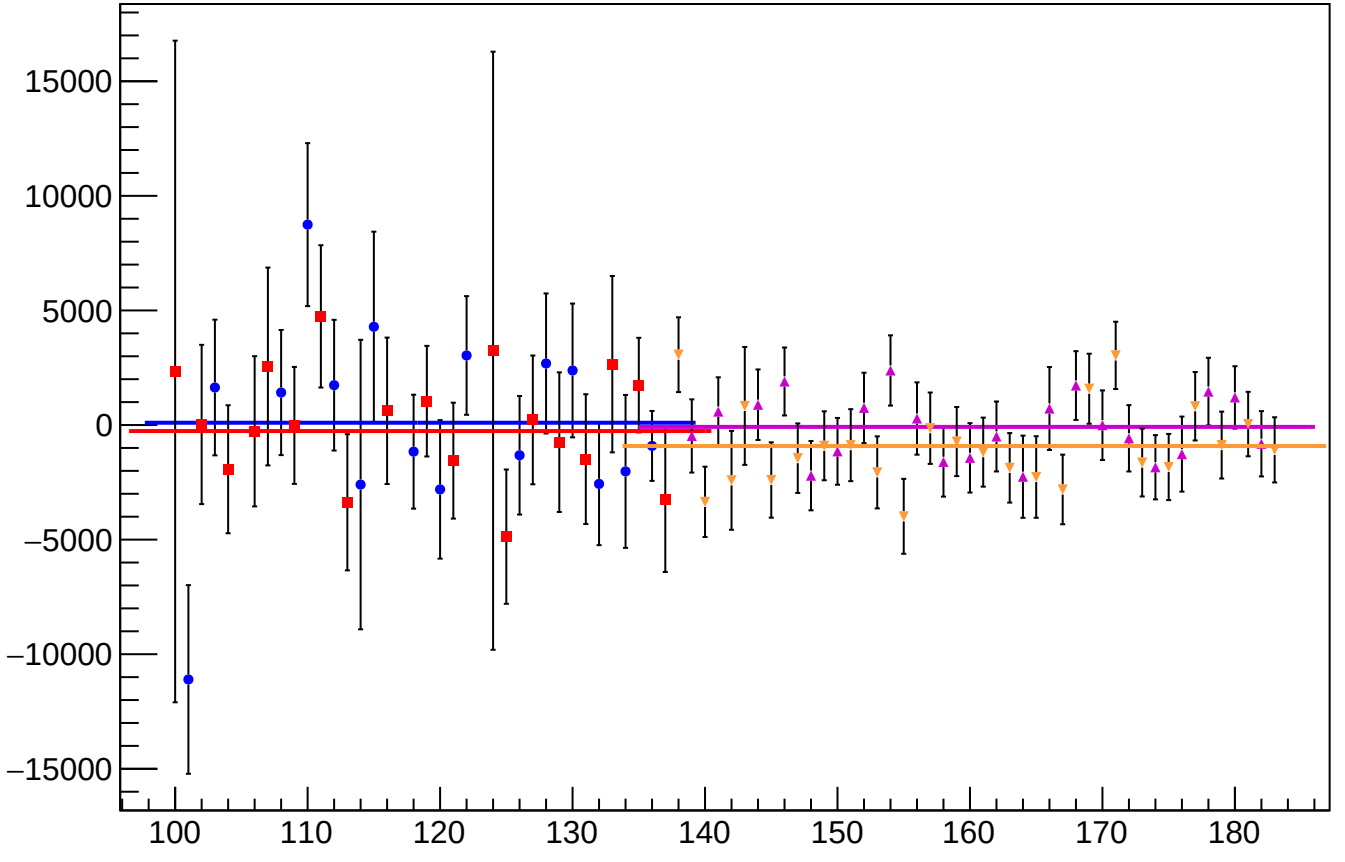
Left In: 615.957+/-0.103 χ^2/NDF:464041.0/21

+ sign 662.129+/-0.096 χ^2/NDF: 5129450.4/39

All: 664.936+/-0.069 χ^2/NDF: 9700502.1/80

- sign 667.860+/-0.098 χ^2/NDF: 4569316.1/40

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -916.306+/-319.076 χ^2/NDF:29.7/23

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

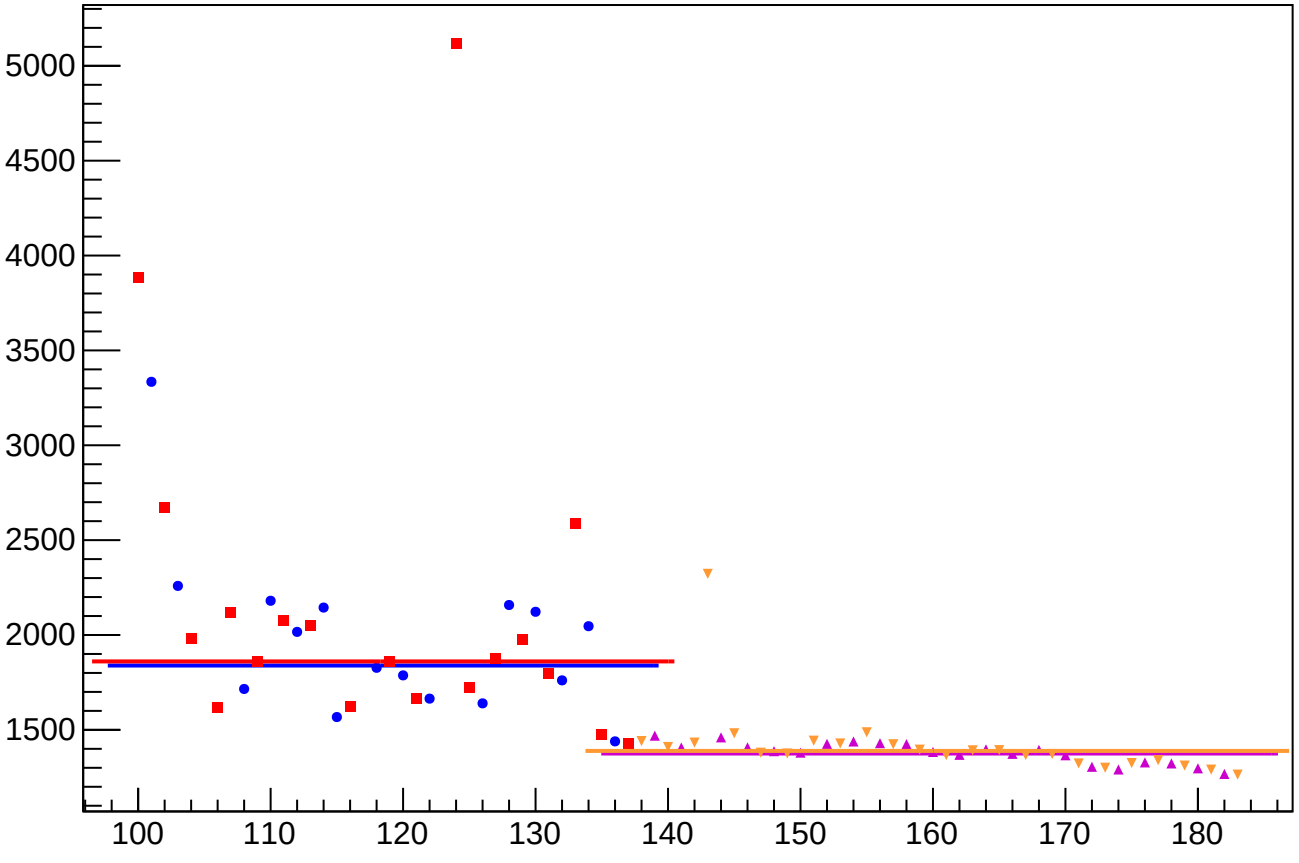
Left In: -80.747+/-324.051 χ^2/NDF:17.4/21

+ sign -740.971+/-290.264 χ^2/NDF: 52.7/39

All: -430.996+/-206.573 χ^2/NDF: 82.8/80

- sign -112.885+/-294.049 χ^2/NDF: 27.7/40

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1388.982+/-0.226 χ^2/NDF:334320.1/23

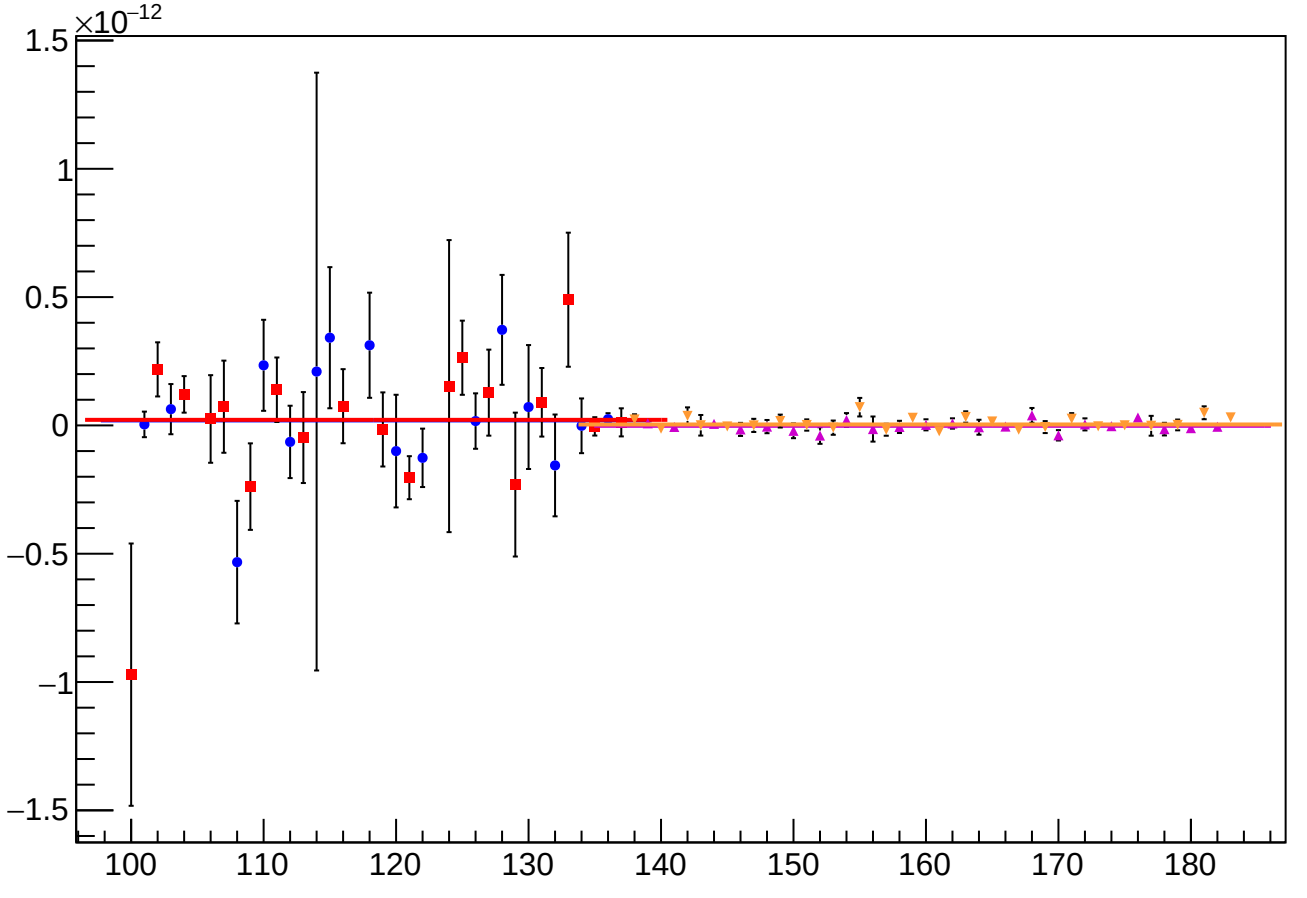
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1375.341+/-0.229 χ^2/NDF:59984.1/21

+ sign 1466.606+/-0.205 χ^2/NDF: 1577437.0/39

All: 1463.871+/-0.146 χ^2/NDF: 2952430.5/80

- sign 1461.065+/-0.208 χ^2/NDF: 1374633.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/23

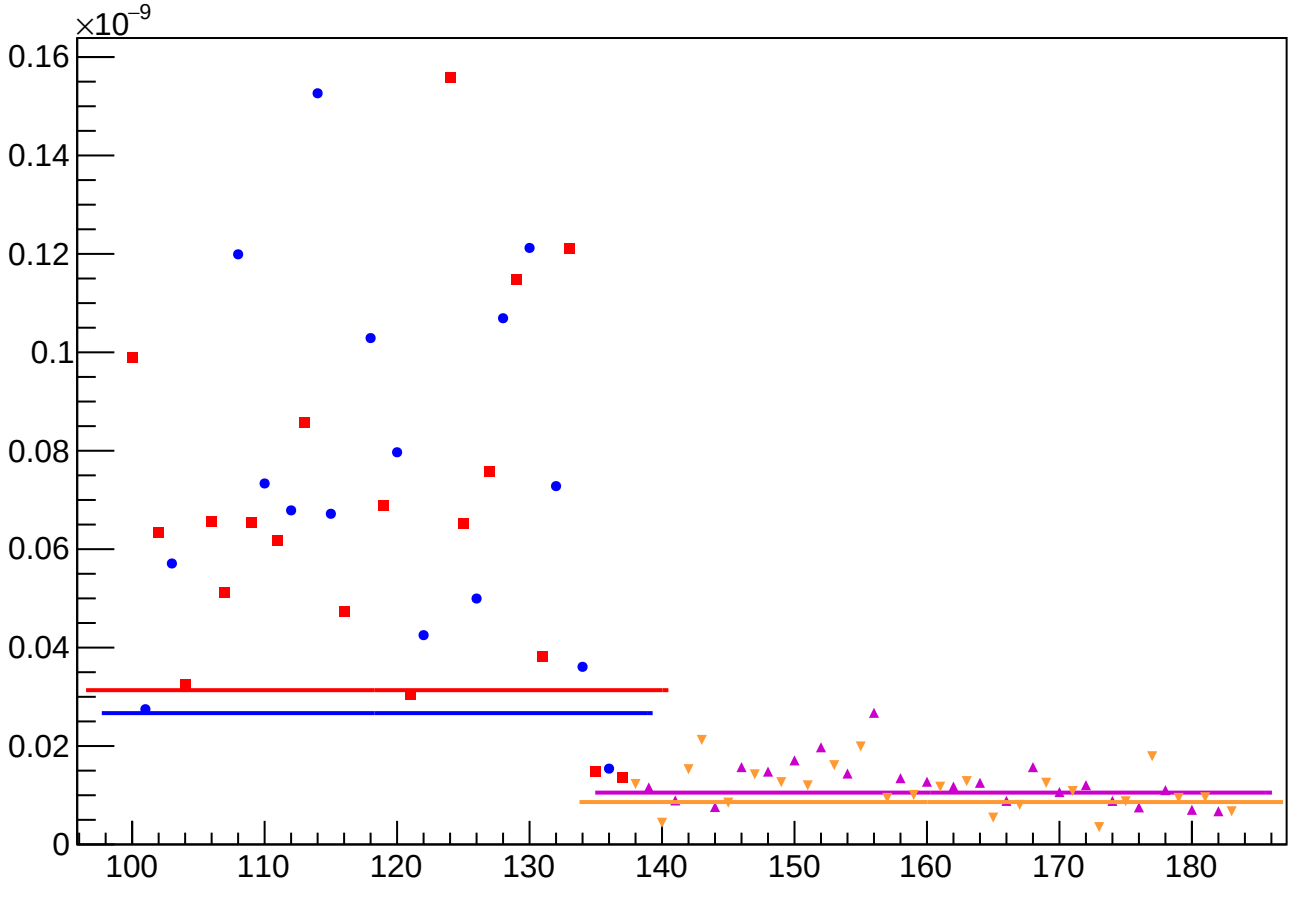
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/39

All: 0.000+/-0.000 χ^2/NDF: 85.3/80

- sign -0.000+/-0.000 χ^2/NDF: 42.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2142721.5/23

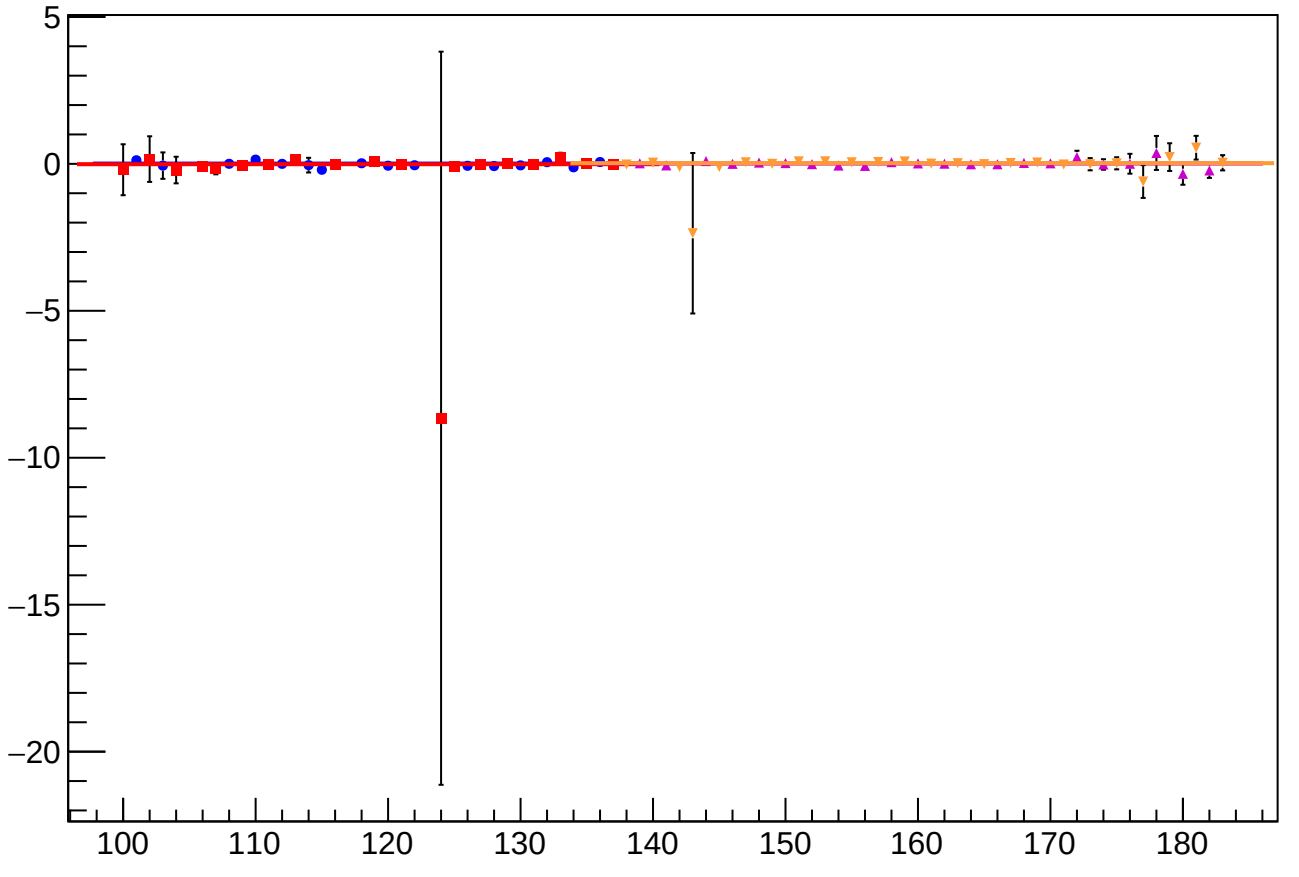
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1232028.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 6496825.4/39

All: 0.000+/-0.000 χ^2/NDF: 11923217.2/80

- sign 0.000+/-0.000 χ^2/NDF: 5184866.6/40



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

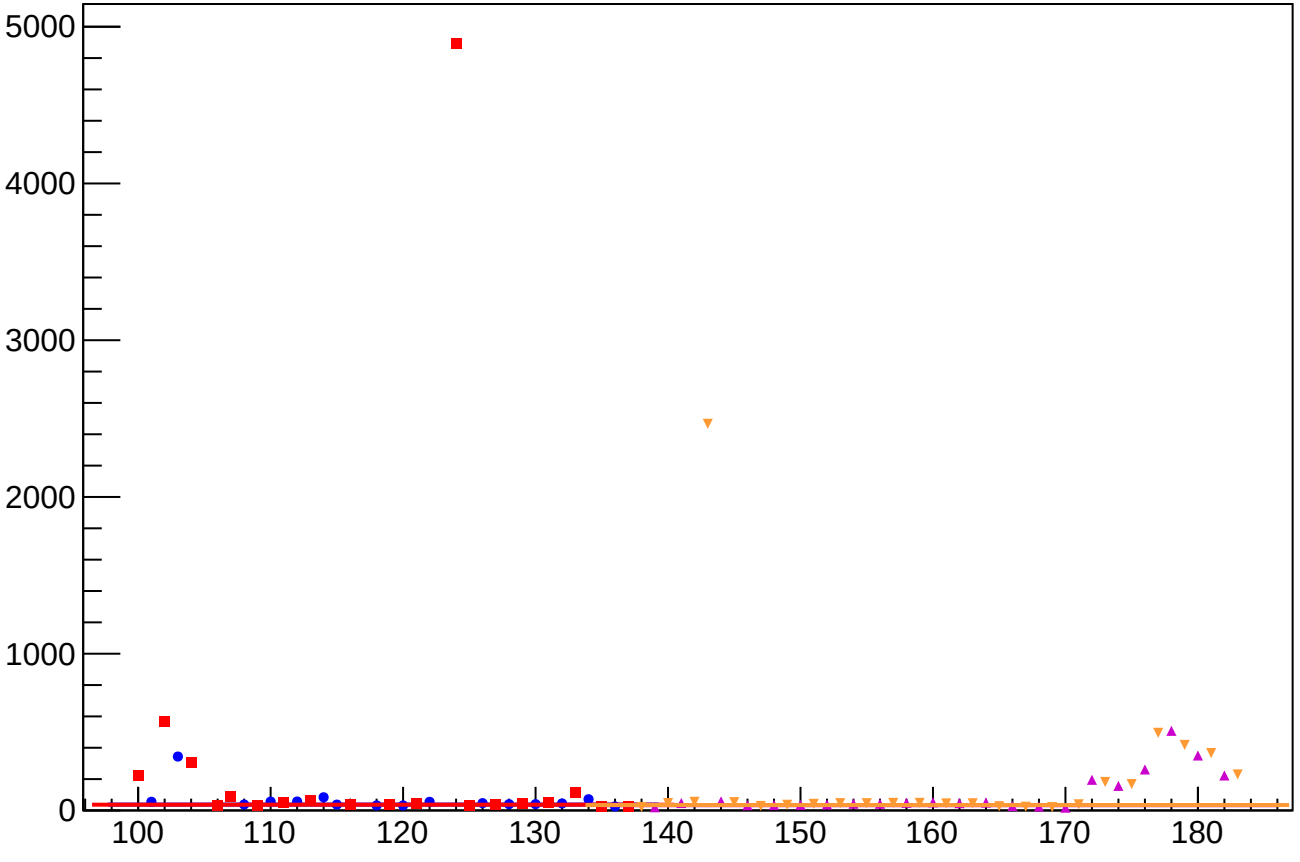
Left In: 0.010+/-0.010 χ^2/NDF:14.0/21

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 70.5/80

- sign 0.004+/-0.009 χ^2/NDF: 27.9/40

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.518+/-0.007 χ^2/NDF:11039981.4/23

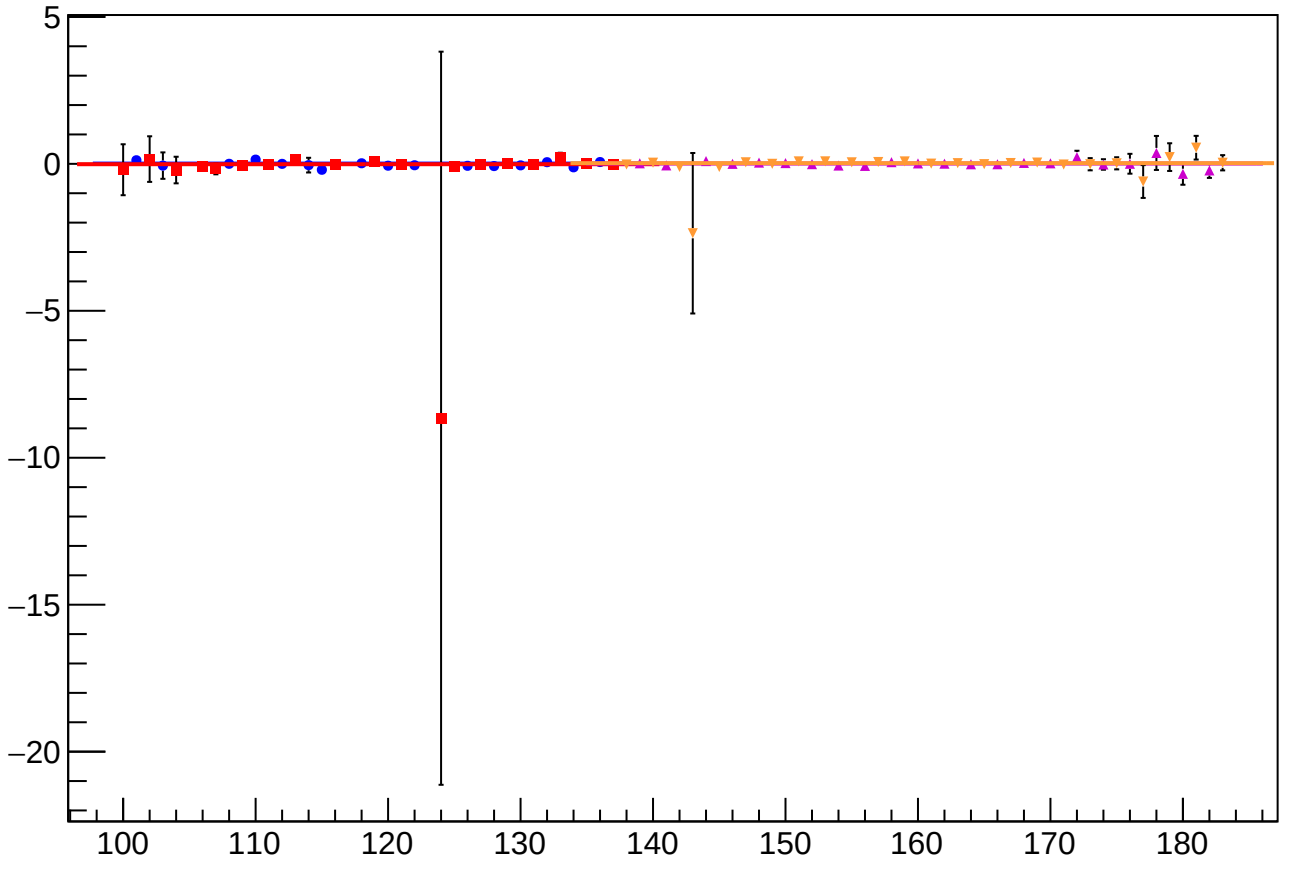
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

+ sign 35.373+/-0.006 χ^2/NDF: 13072101.2/39

All: 34.853+/-0.004 χ^2/NDF: 25986332.1/80

- sign 34.343+/-0.006 χ^2/NDF: 12899802.2/40



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

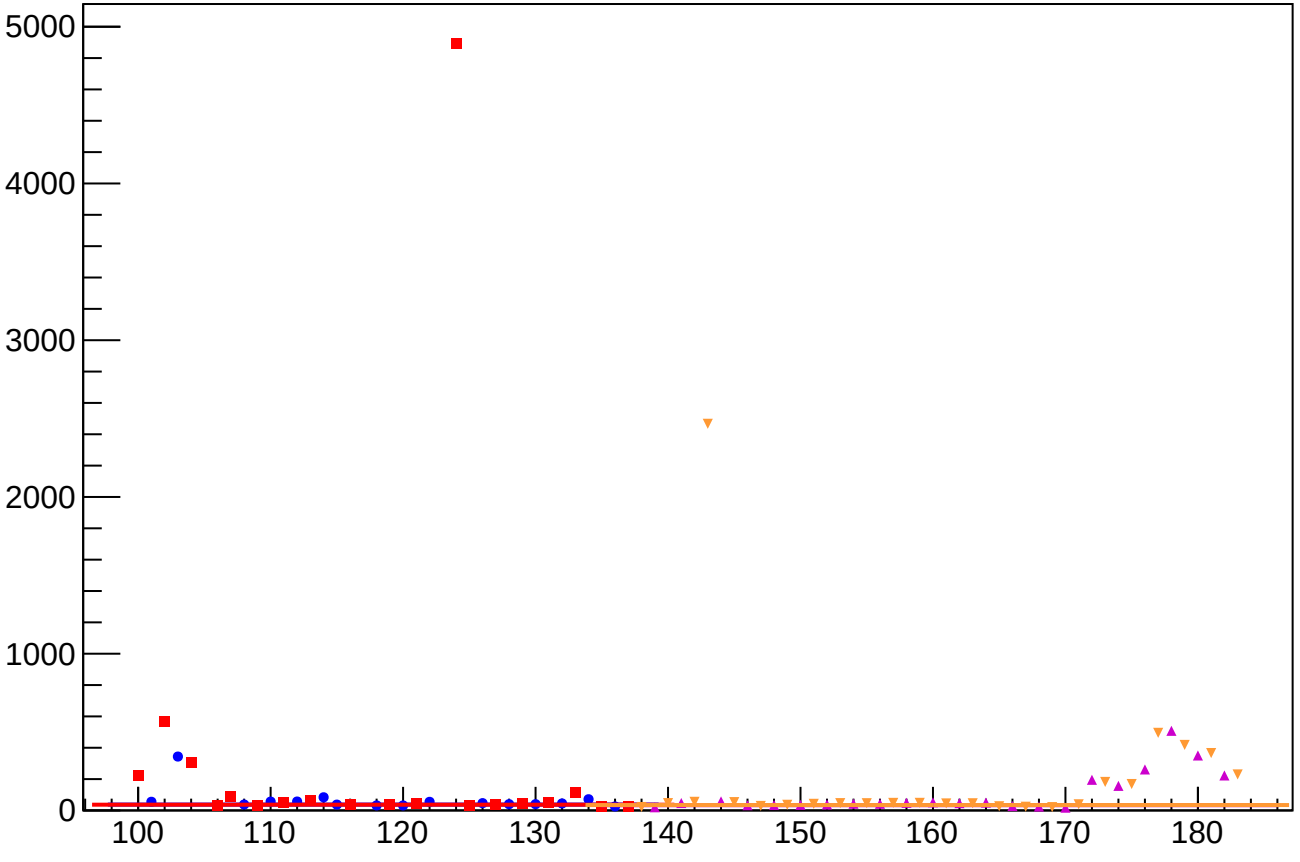
Left In: 0.010+/-0.010 χ^2/NDF:14.0/21

\+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 70.5/80

\- sign 0.004+/-0.009 χ^2/NDF: 27.9/40

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.518+/-0.007 χ^2/NDF:11039981.4/23

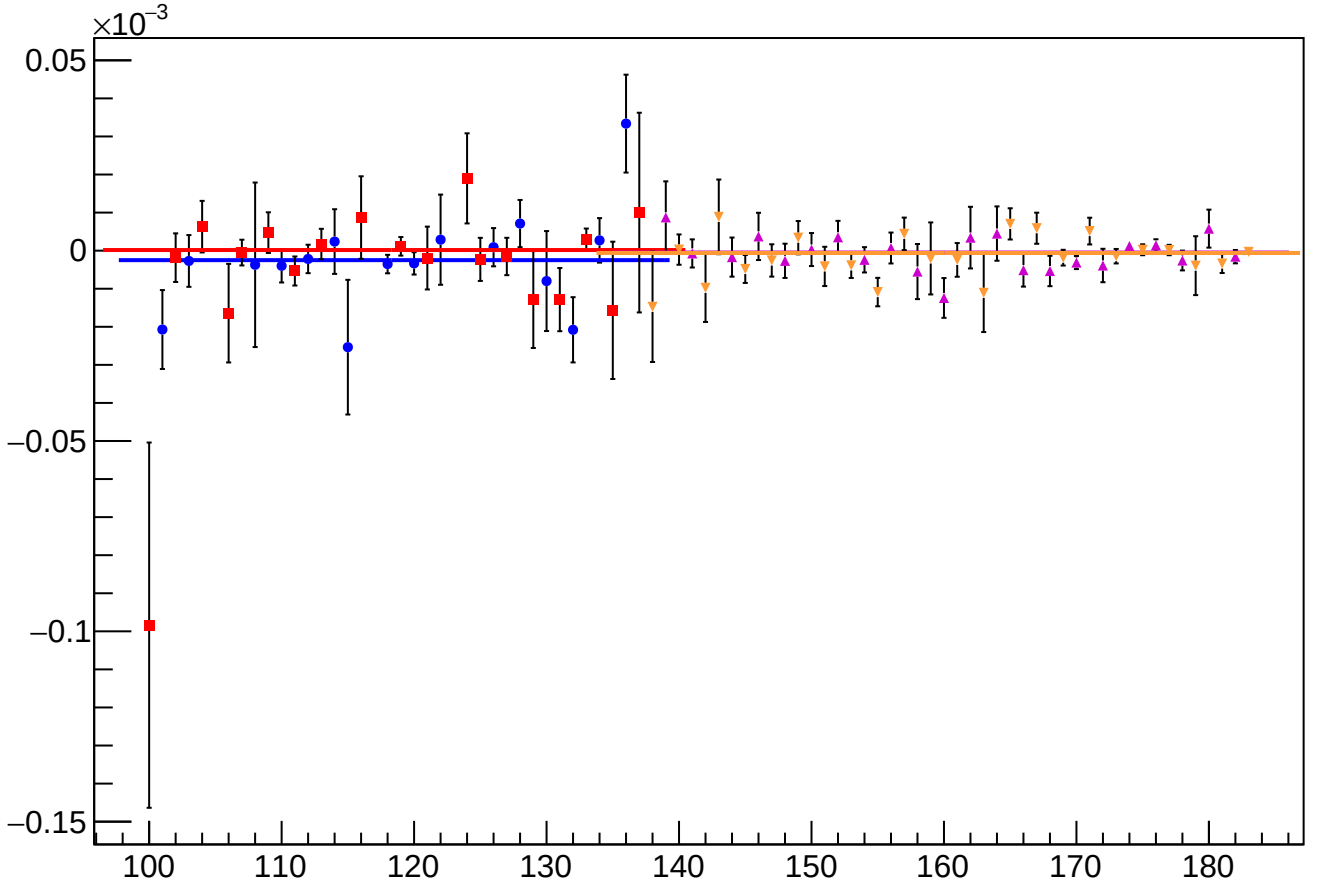
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

\+ sign 35.373+/-0.006 χ^2/NDF: 13072101.2/39

All: 34.853+/-0.004 χ^2/NDF: 25986332.1/80

\- sign 34.343+/-0.006 χ^2/NDF: 12899802.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/23

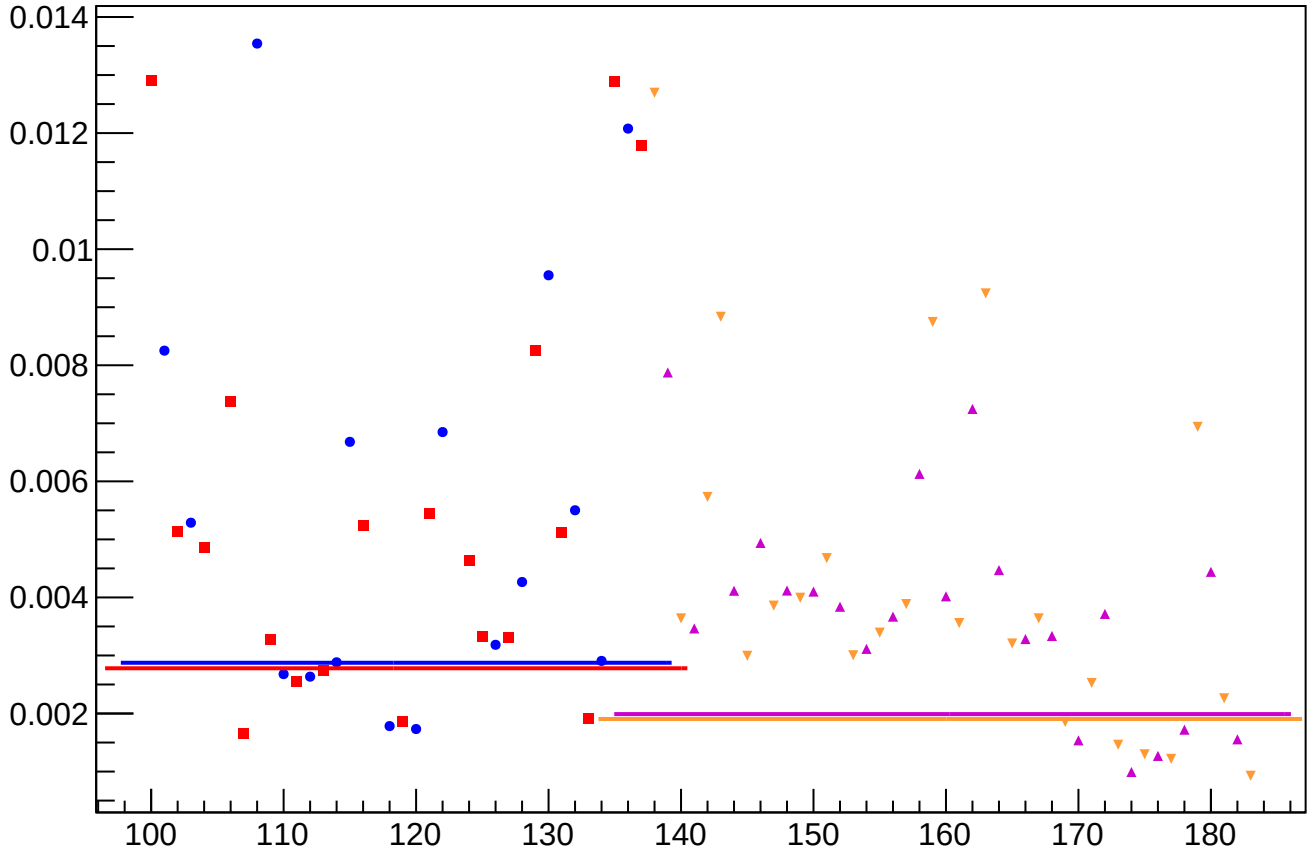
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/21

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/39

All: -0.000+/-0.000 χ^2/NDF: 93.2/80

- sign -0.000+/-0.000 χ^2/NDF: 40.7/40



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:11849002.0/23

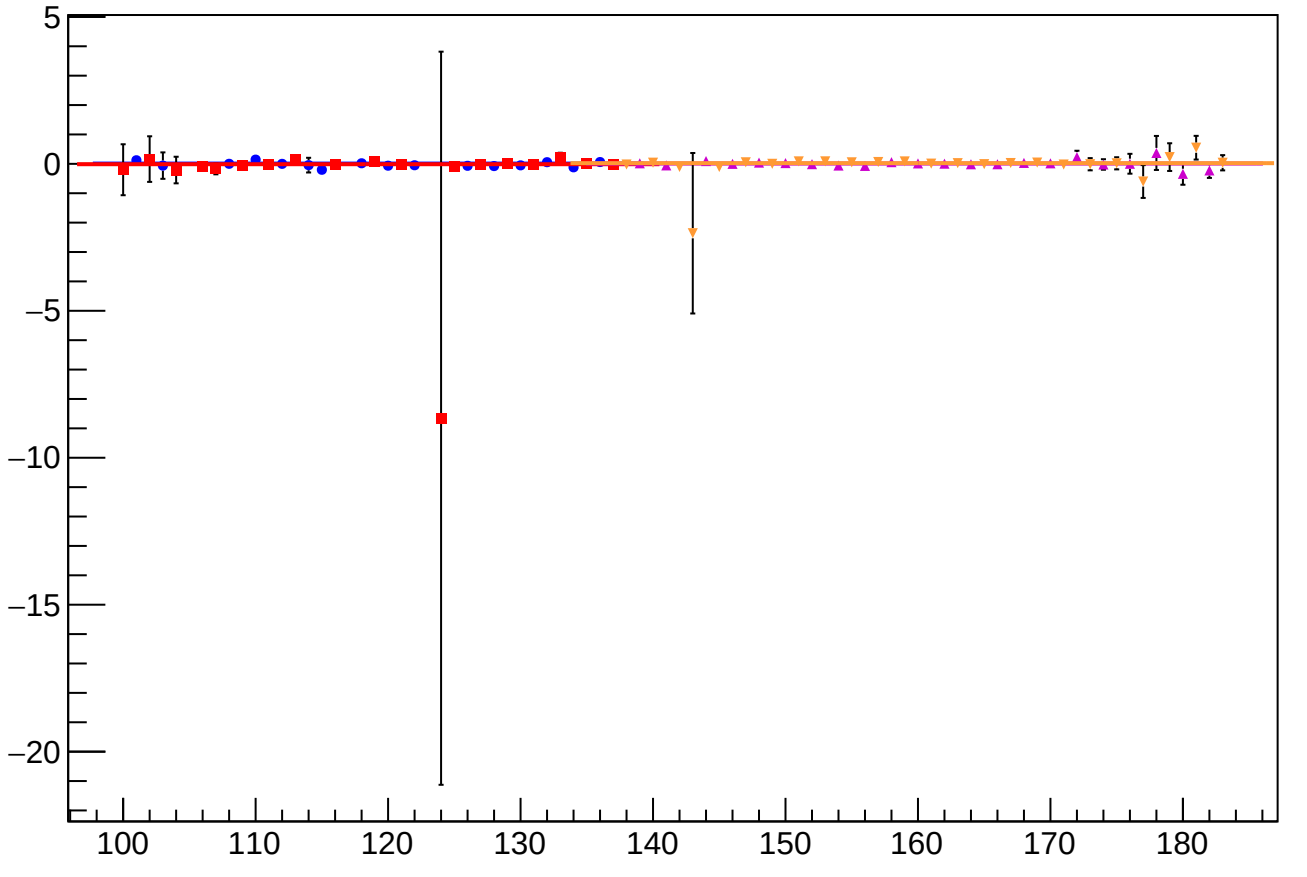
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:9384898.9/21

+ sign 0.002+/-0.000 χ^2/NDF: 16937766.6/39

All: 0.002+/-0.000 χ^2/NDF: 30391480.6/80

- sign 0.002+/-0.000 χ^2/NDF: 13416028.6/40



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

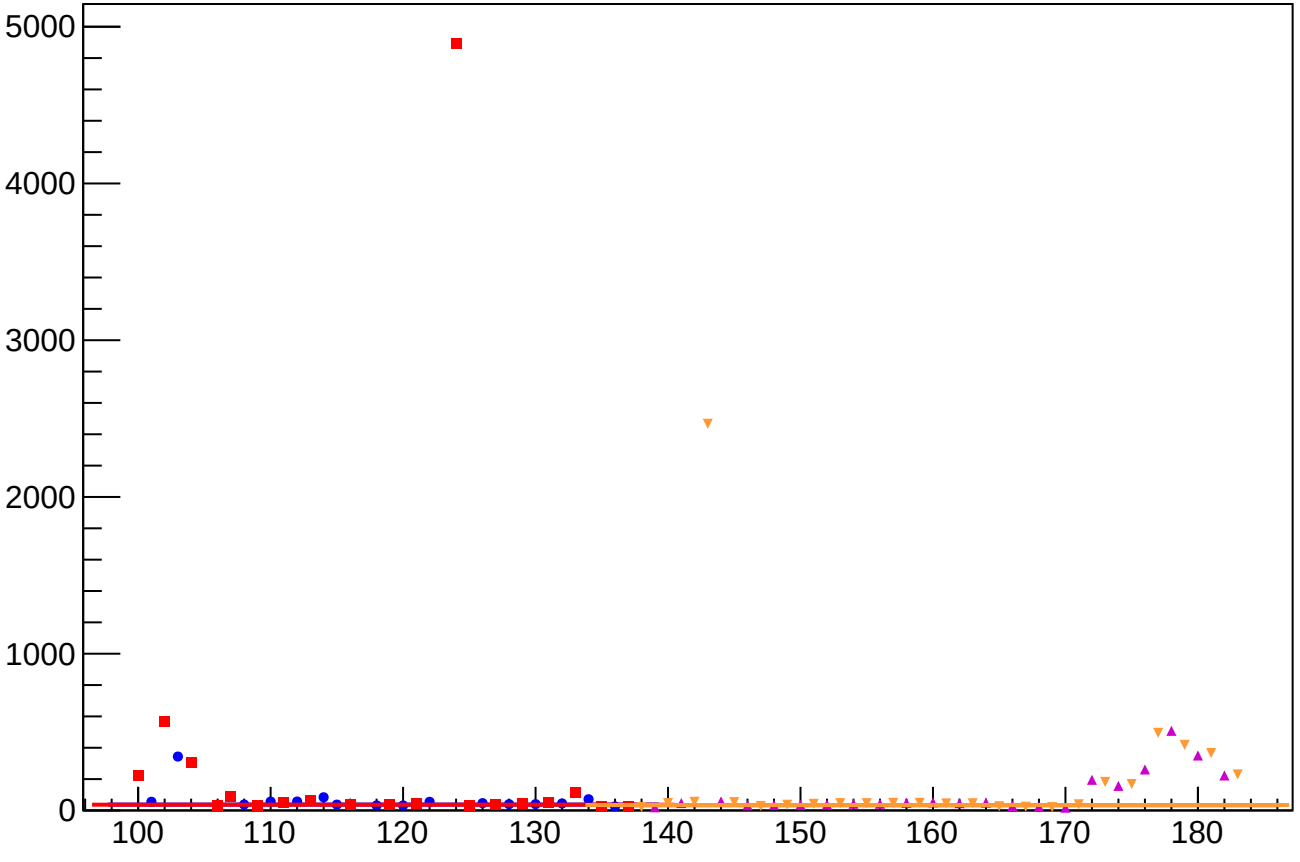
Left In: 0.010+/-0.010 χ^2/NDF:14.0/21

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 70.5/80

- sign 0.004+/-0.009 χ^2/NDF: 27.9/40

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.517+/-0.007 χ^2/NDF:11040092.0/23

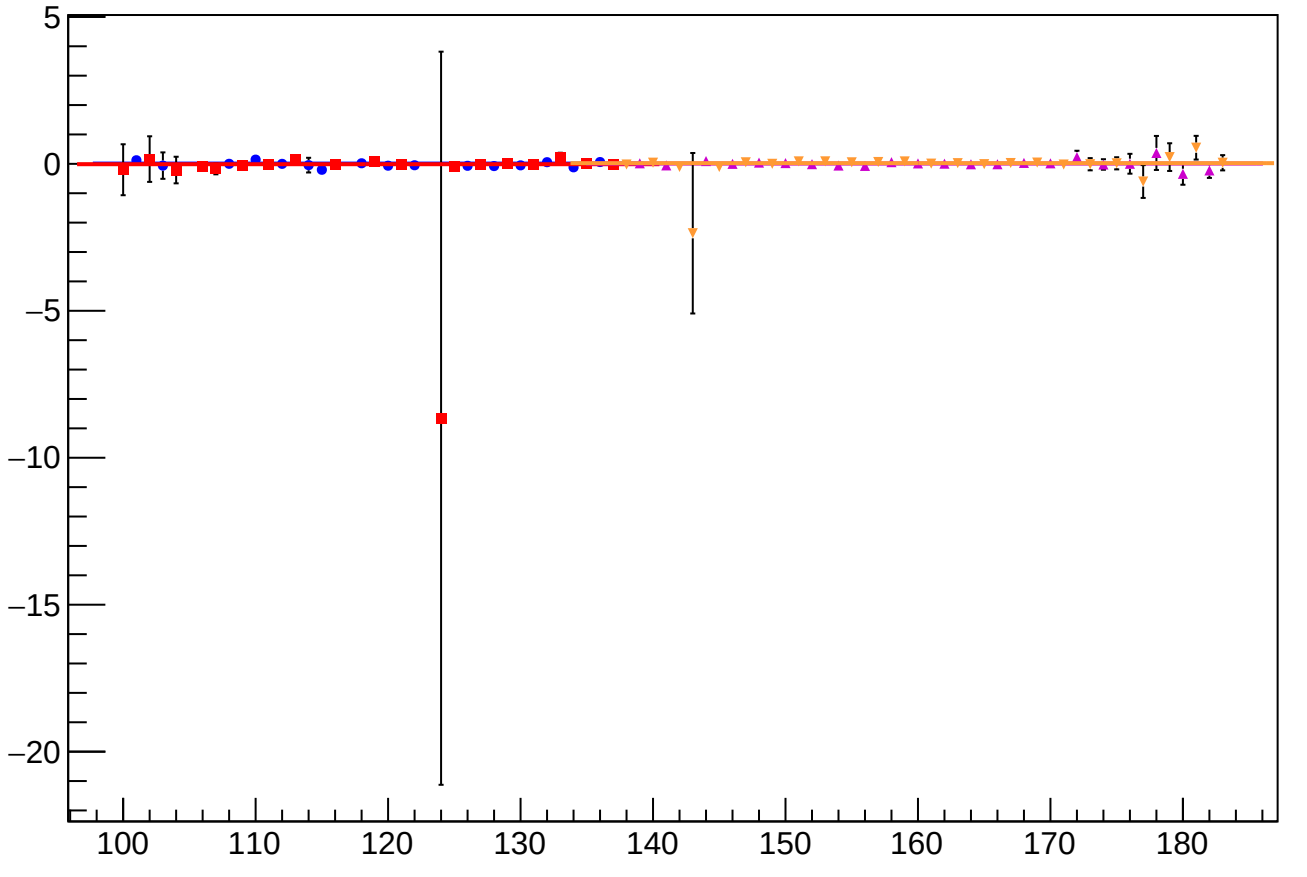
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

\+ sign 35.372+/-0.006 χ^2/NDF: 13072192.0/39

All: 34.854+/-0.004 χ^2/NDF: 25984764.3/80

\- sign 34.345+/-0.006 χ^2/NDF: 12898219.4/40



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

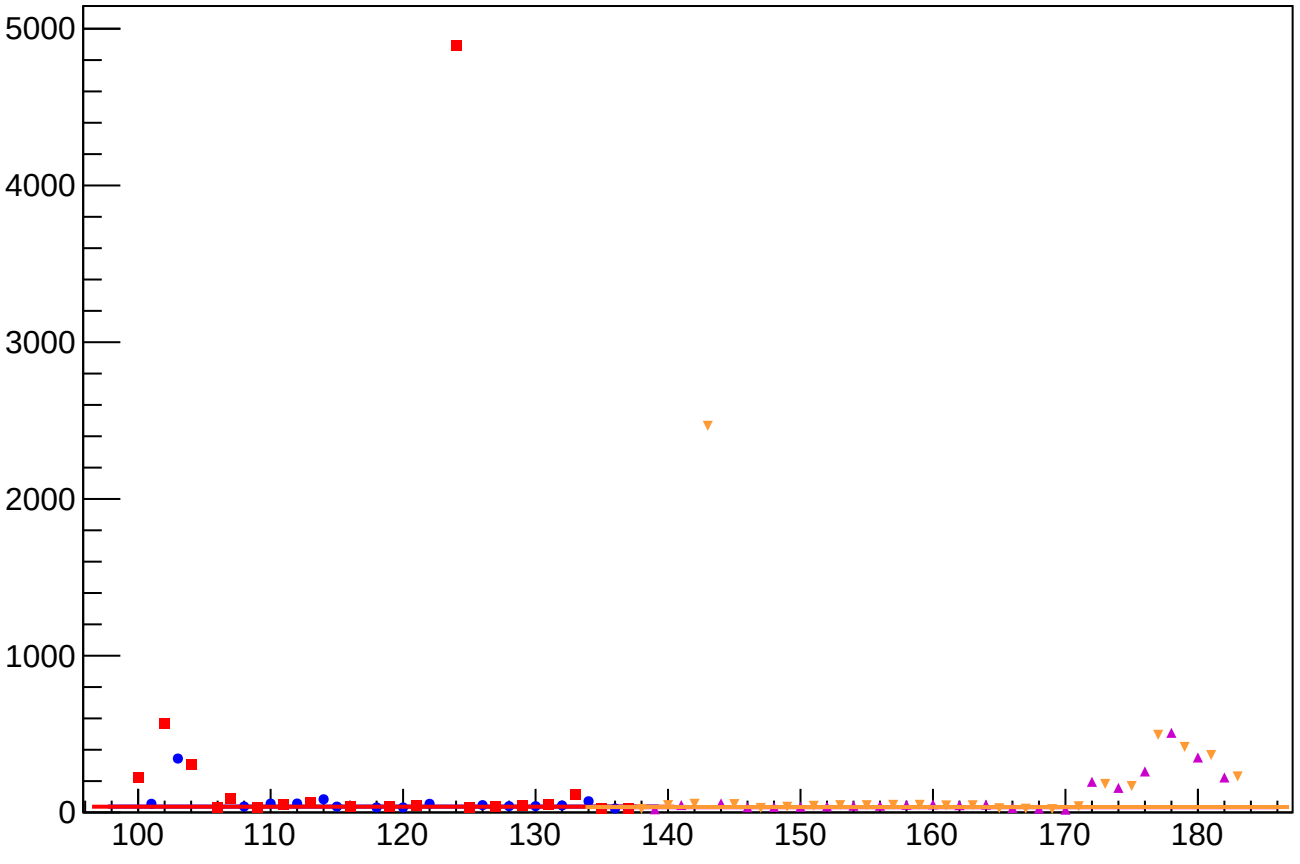
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.0/21

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 70.5/80

- sign 0.004+/-0.009 χ^2/NDF: 27.9/40



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.517+/-0.007 χ^2/NDF:11040092.0/23

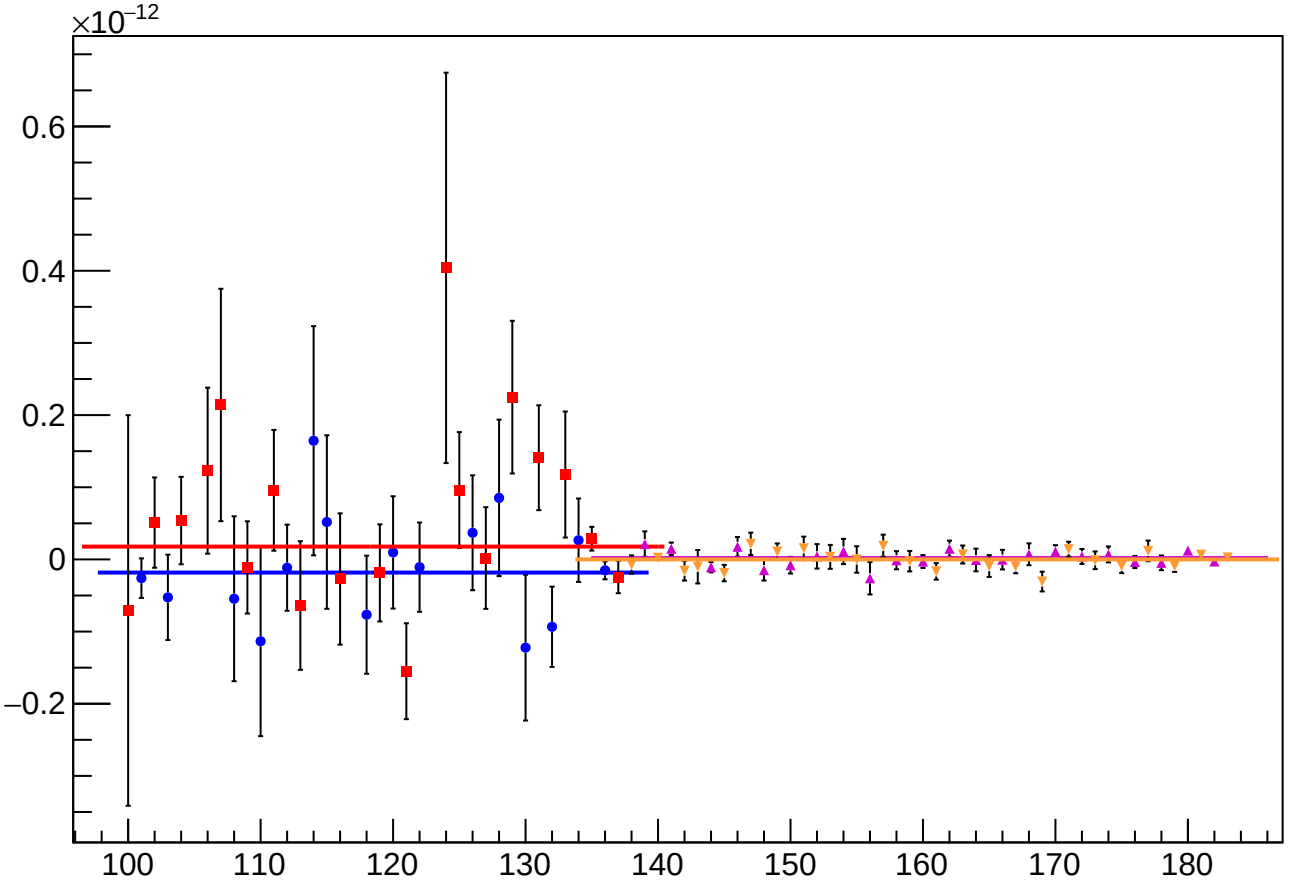
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

+ sign 35.372+/-0.006 χ^2/NDF: 13072192.0/39

All: 34.854+/-0.004 χ^2/NDF: 25984764.3/80

- sign 34.345+/-0.006 χ^2/NDF: 12898219.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/23

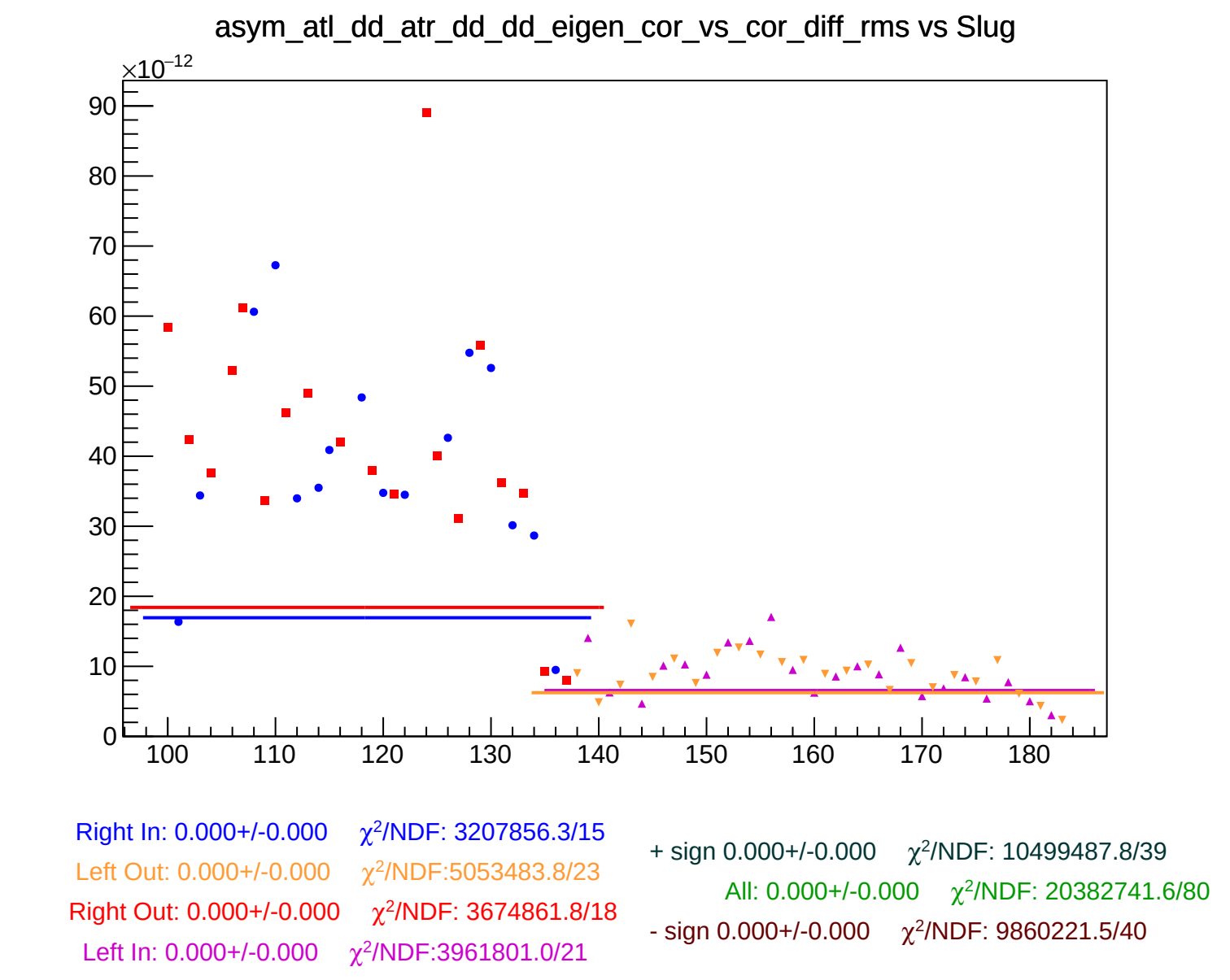
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/21

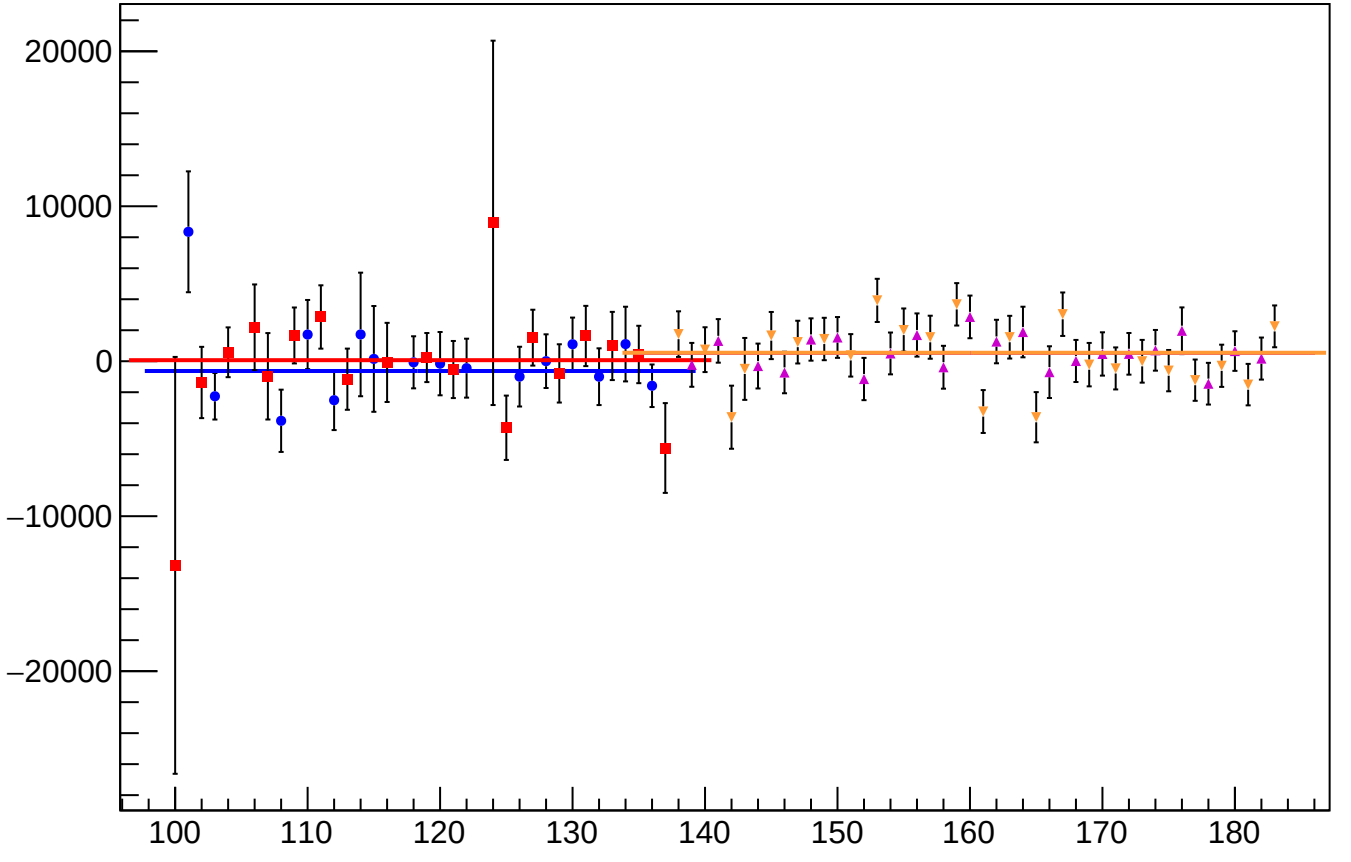
+ sign -0.000+/-0.000 χ^2/NDF: 36.9/39

All: 0.000+/-0.000 χ^2/NDF: 86.8/80

- sign 0.000+/-0.000 χ^2/NDF: 48.8/40


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:5053483.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:3961801.0/21
+ sign 0.000+/-0.000 χ²/NDF: 10499487.8/39
All: 0.000+/-0.000 χ²/NDF: 20382741.6/80
- sign 0.000+/-0.000 χ²/NDF: 9860221.5/40

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.182+/-290.725 χ^2/NDF:44.7/23

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

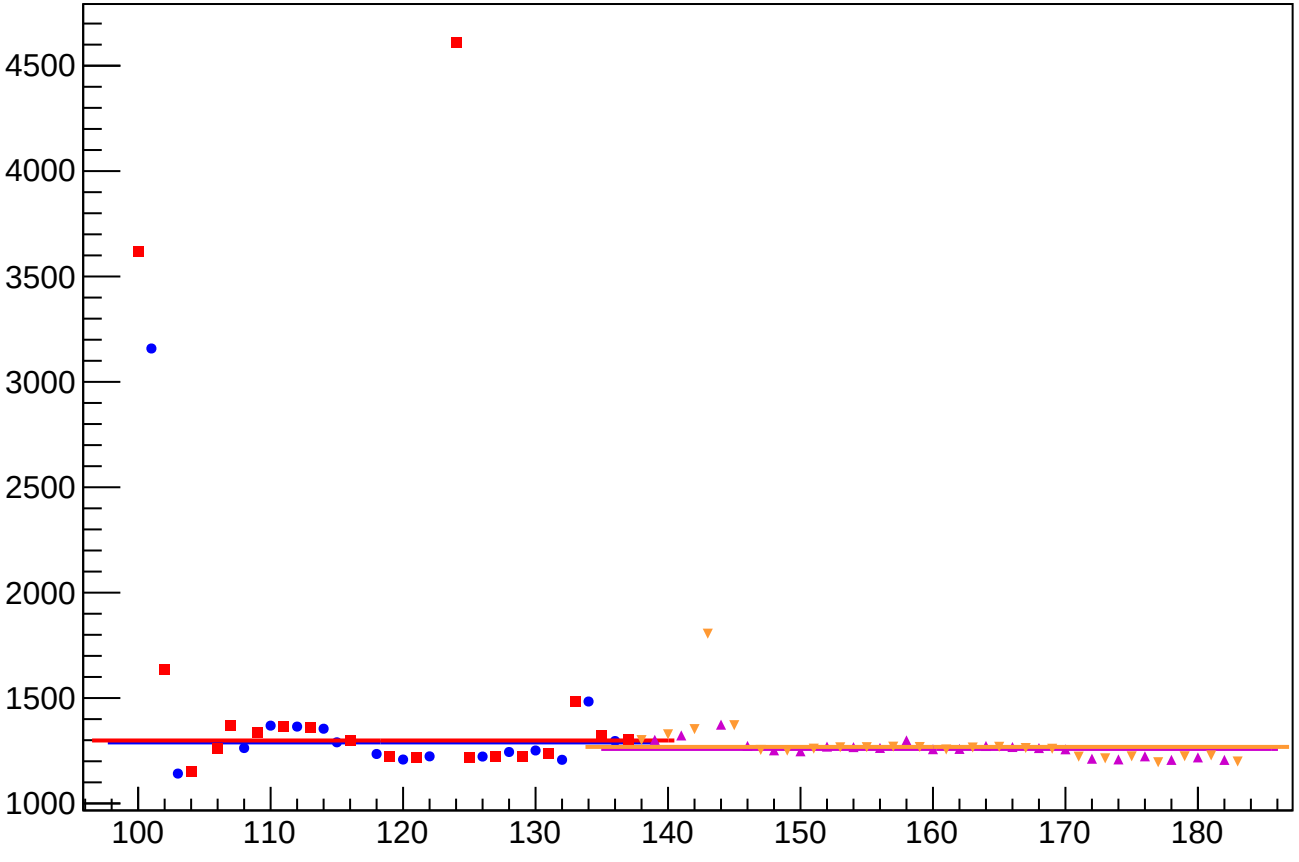
Left In: 531.379+/-296.419 χ^2/NDF:13.2/21

+ sign 237.691+/-249.851 χ^2/NDF: 62.9/39

All: 320.839+/-177.882 χ^2/NDF: 92.8/80

- sign 406.306+/-253.311 χ^2/NDF: 29.7/40

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.5/23

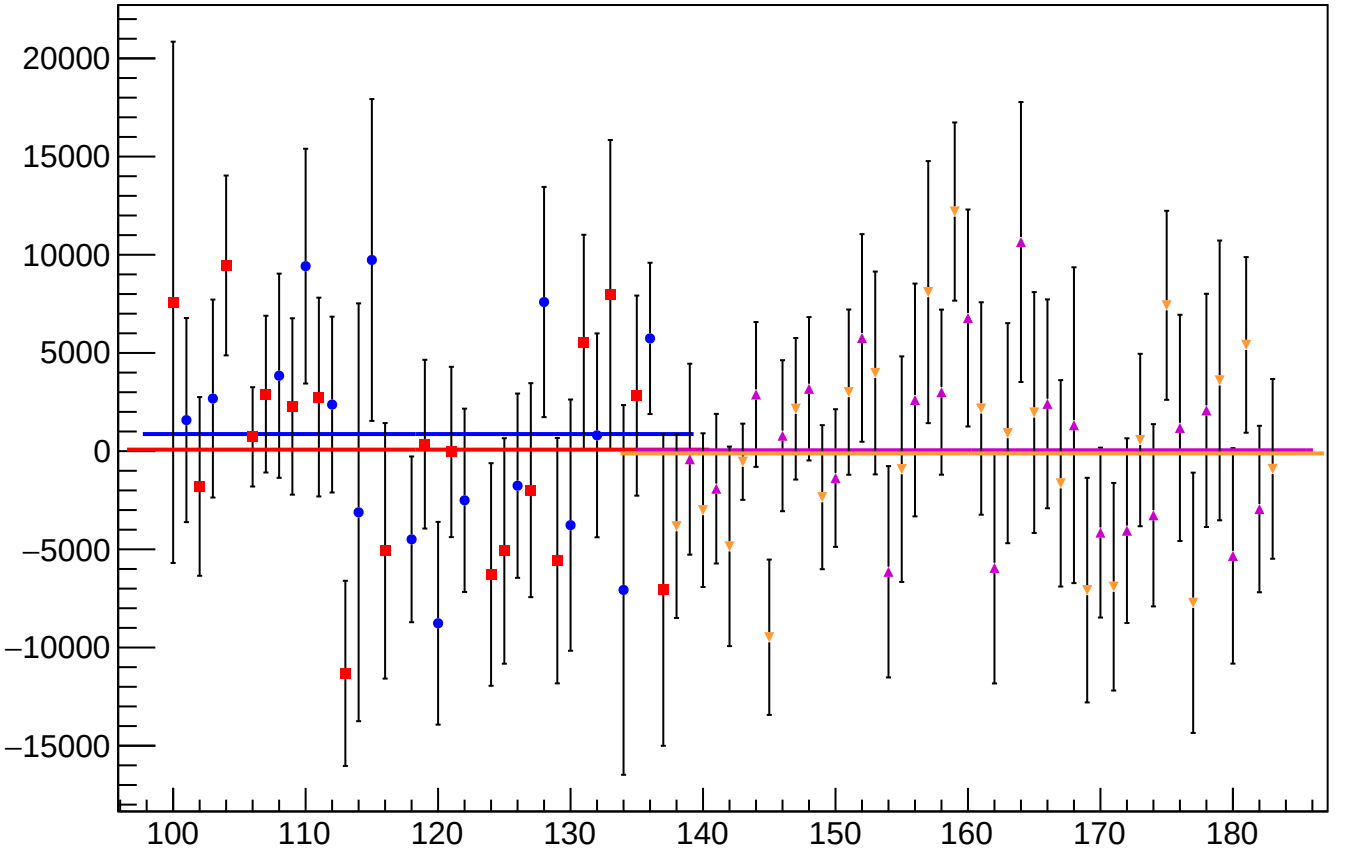
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

+ sign 1273.747+/-0.177 χ^2/NDF: 702735.6/39

All: 1271.612+/-0.126 χ^2/NDF: 1067804.1/80

- sign 1269.422+/-0.179 χ^2/NDF: 364772.7/40



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -115.787+/-892.046 χ^2/NDF:27.7/23

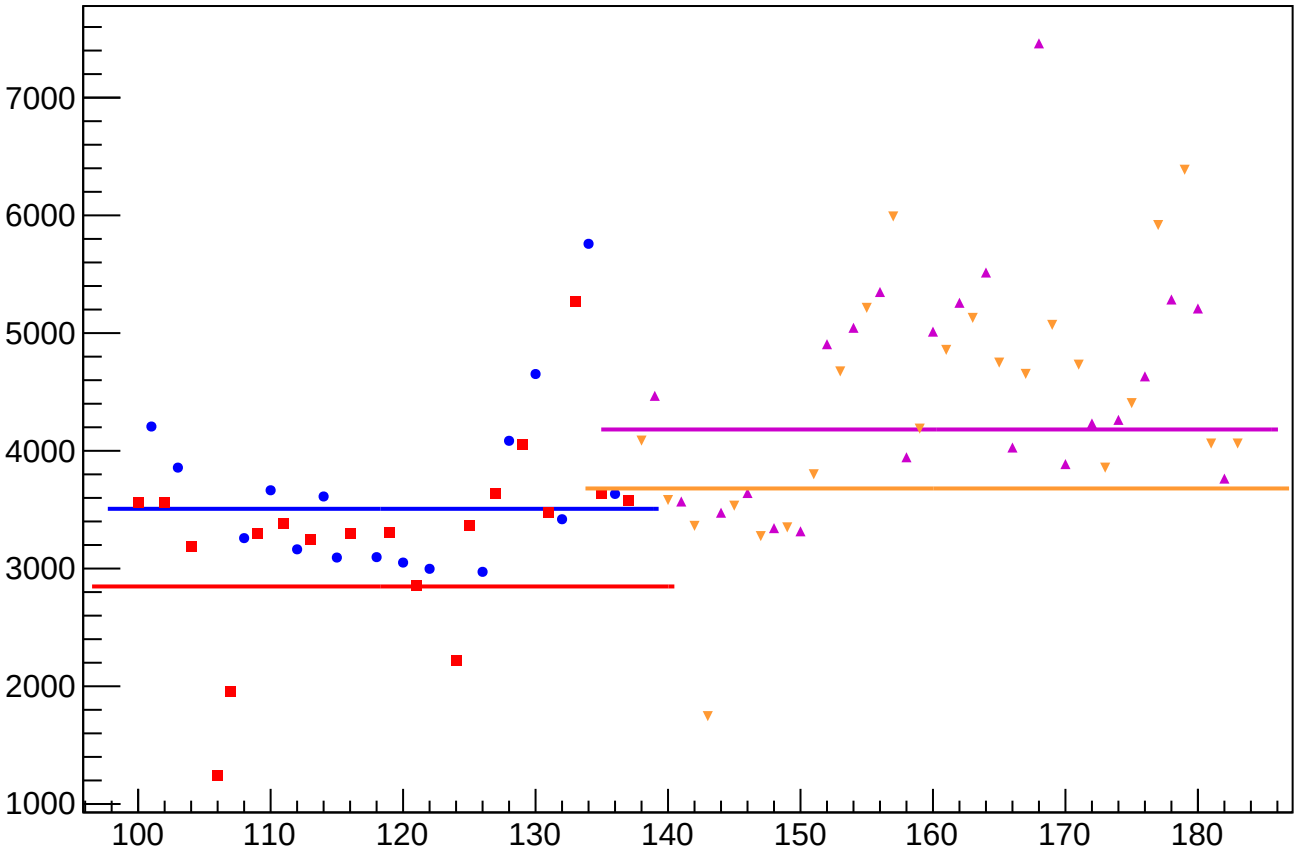
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 44.515+/-1005.631 χ^2/NDF:13.8/21

+ sign 191.673+/-740.022 χ^2/NDF: 42.1/39

All: 125.977+/-525.231 χ^2/NDF: 74.3/80

- sign 59.289+/-745.587 χ^2/NDF: 32.1/40



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3680.236+/-0.631 χ^2/NDF:3689489.6/23

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

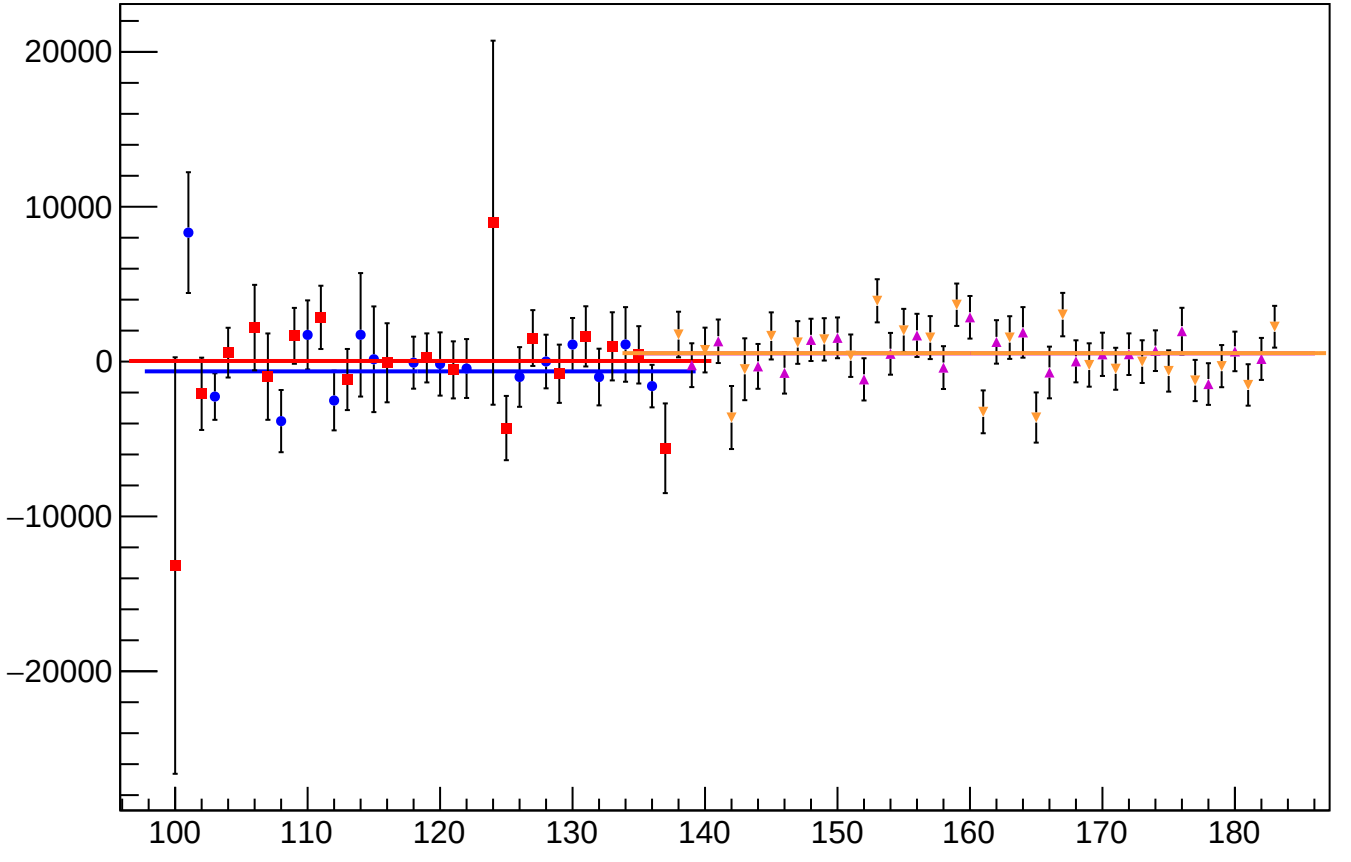
Left In: 4181.302+/-0.711 χ^2/NDF:1269136.5/21

+ sign 3626.345+/-0.523 χ^2/NDF: 4066879.3/39

All: 3603.757+/-0.371 χ^2/NDF: 8422683.4/80

- sign 3580.829+/-0.527 χ^2/NDF: 4352049.5/40

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

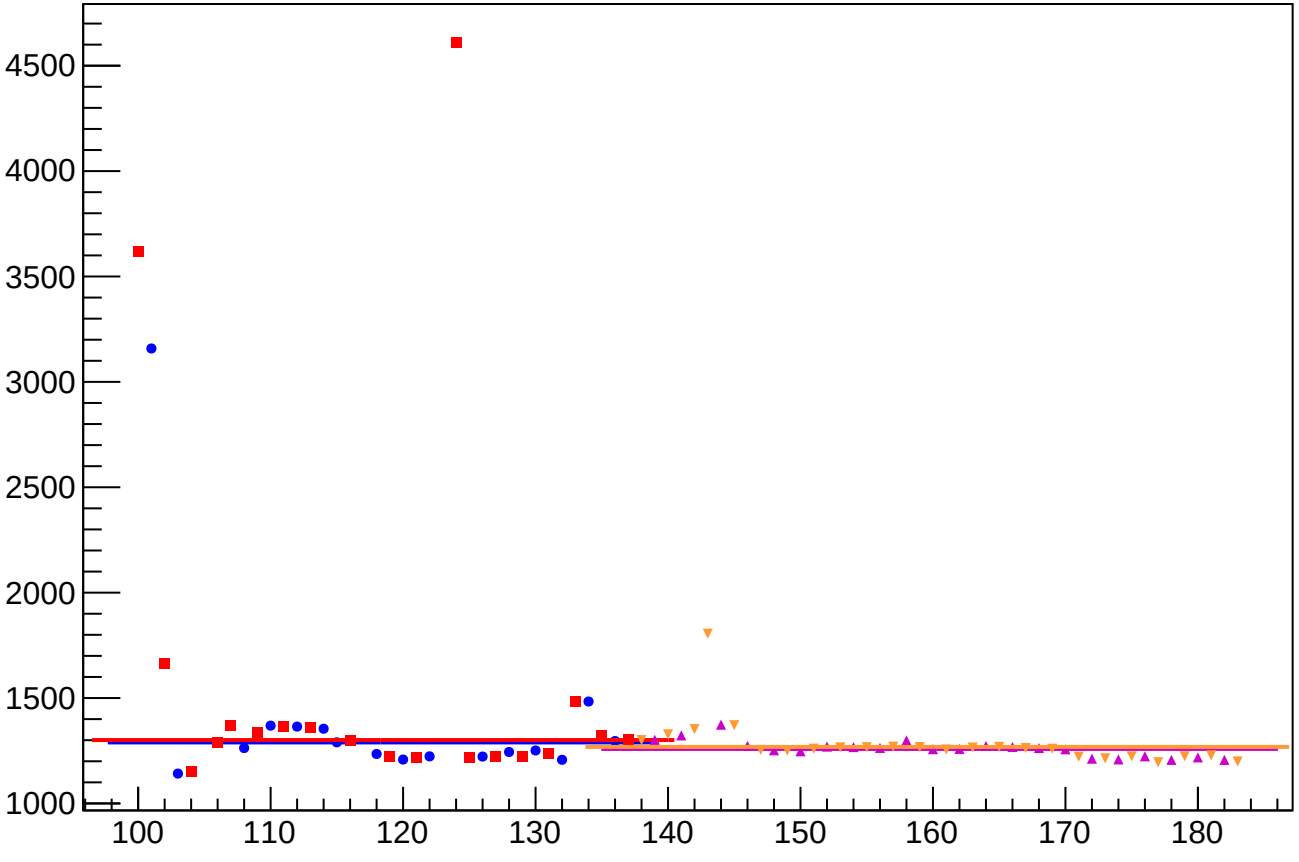
Left In: 531.298+/-296.419 χ^2/NDF:13.2/21

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 316.957+/-177.898 χ^2/NDF: 93.3/80

- sign 398.549+/-253.356 χ^2/NDF: 30.2/40

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

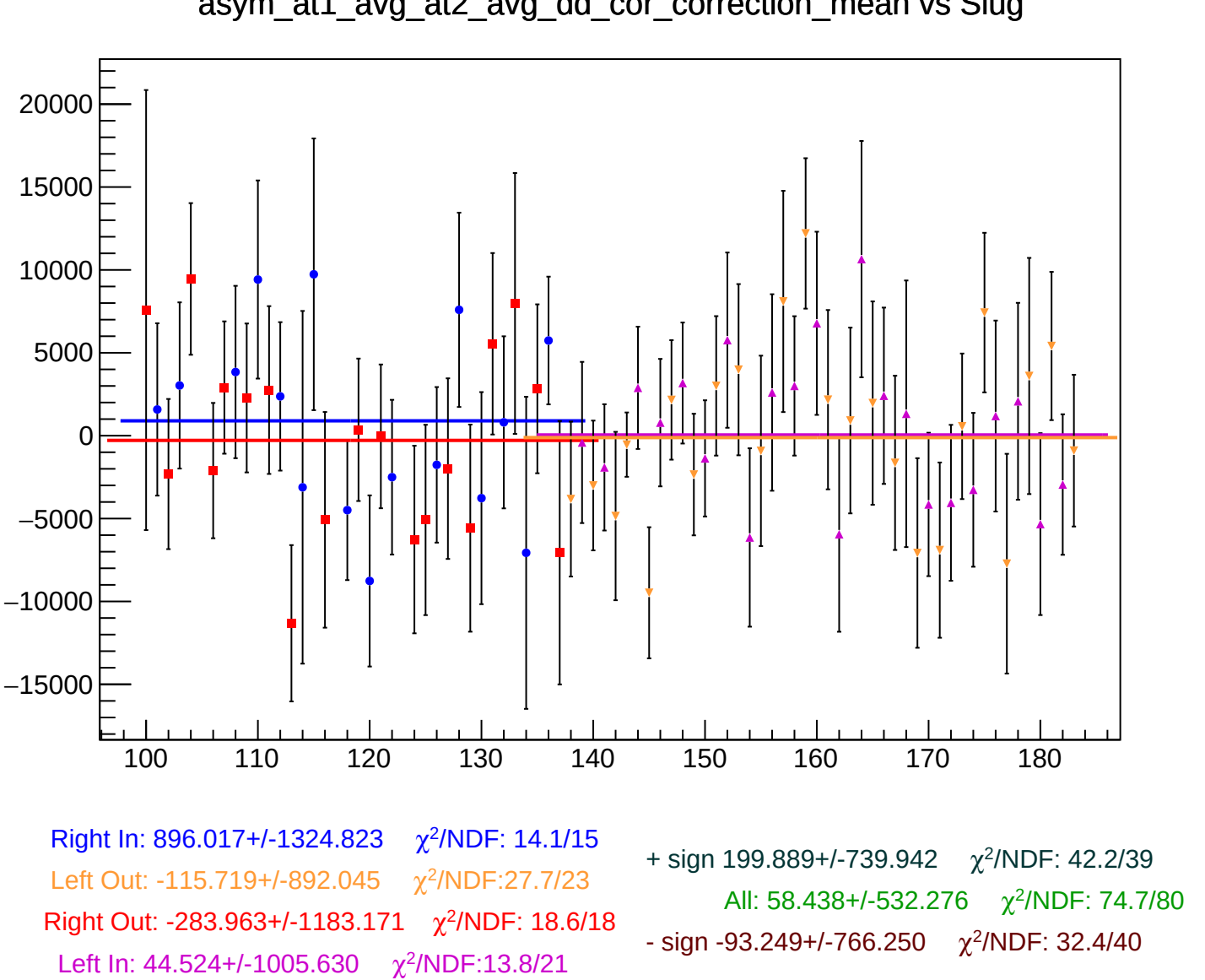
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

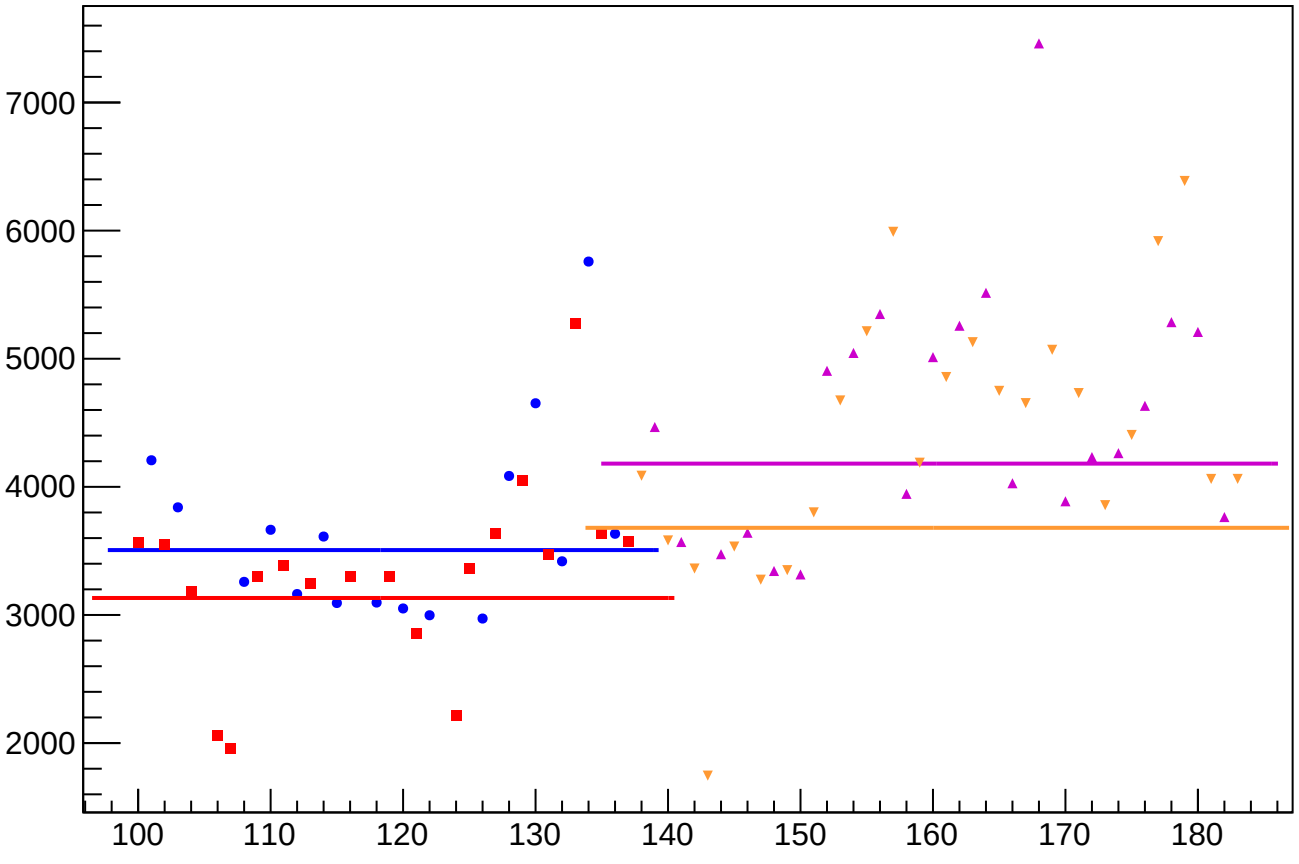
Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80

- sign 1269.947+/-0.179 χ^2/NDF: 372310.3/40


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -115.719+/-892.045 χ²/NDF:27.7/23
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 44.524+/-1005.630 χ²/NDF:13.8/21
+ sign 199.889+/-739.942 χ²/NDF: 42.2/39
All: 58.438+/-532.276 χ²/NDF: 74.7/80
- sign -93.249+/-766.250 χ²/NDF: 32.4/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

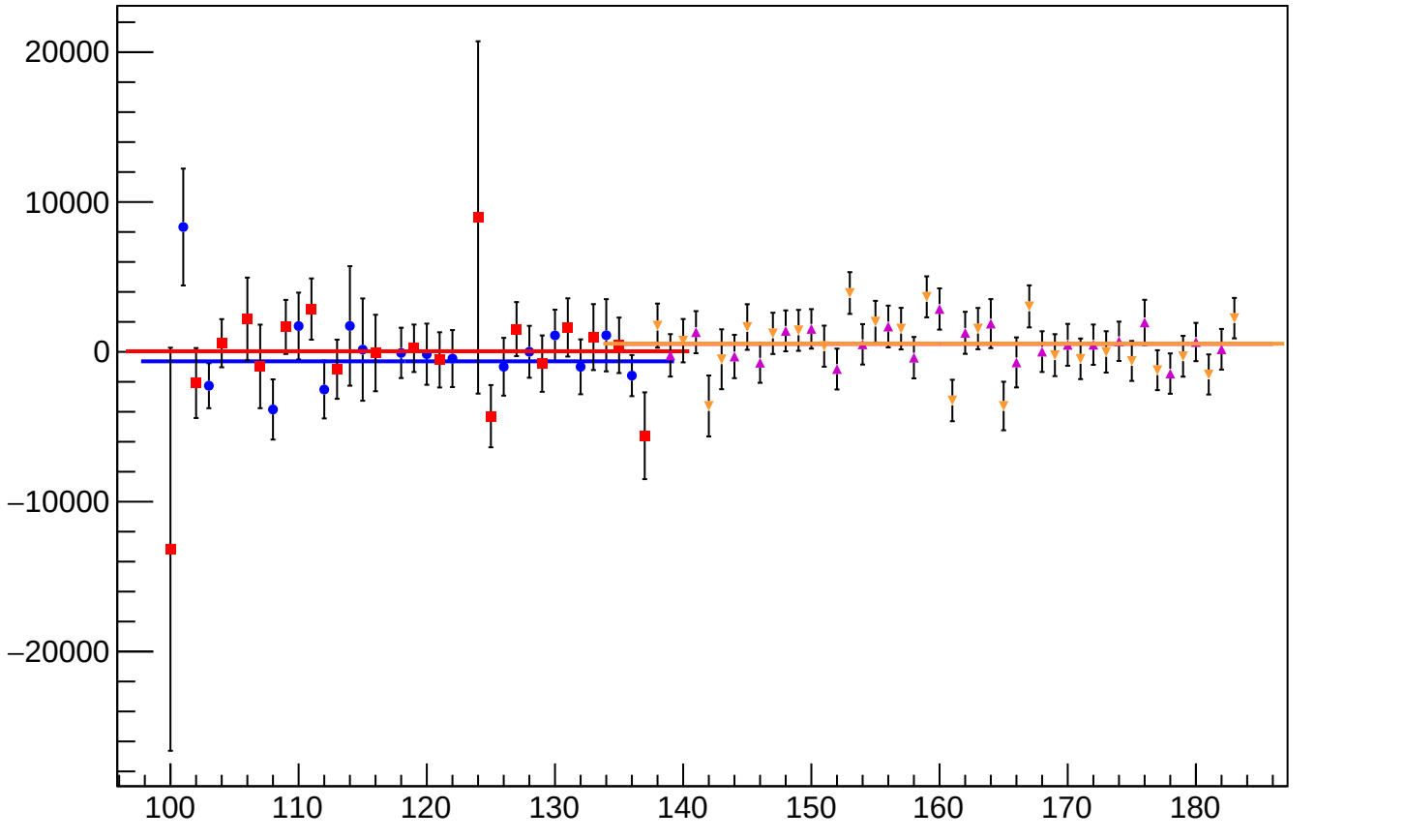
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80

- sign 3741.450+/-0.542 χ^2/NDF: 2830988.2/40



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

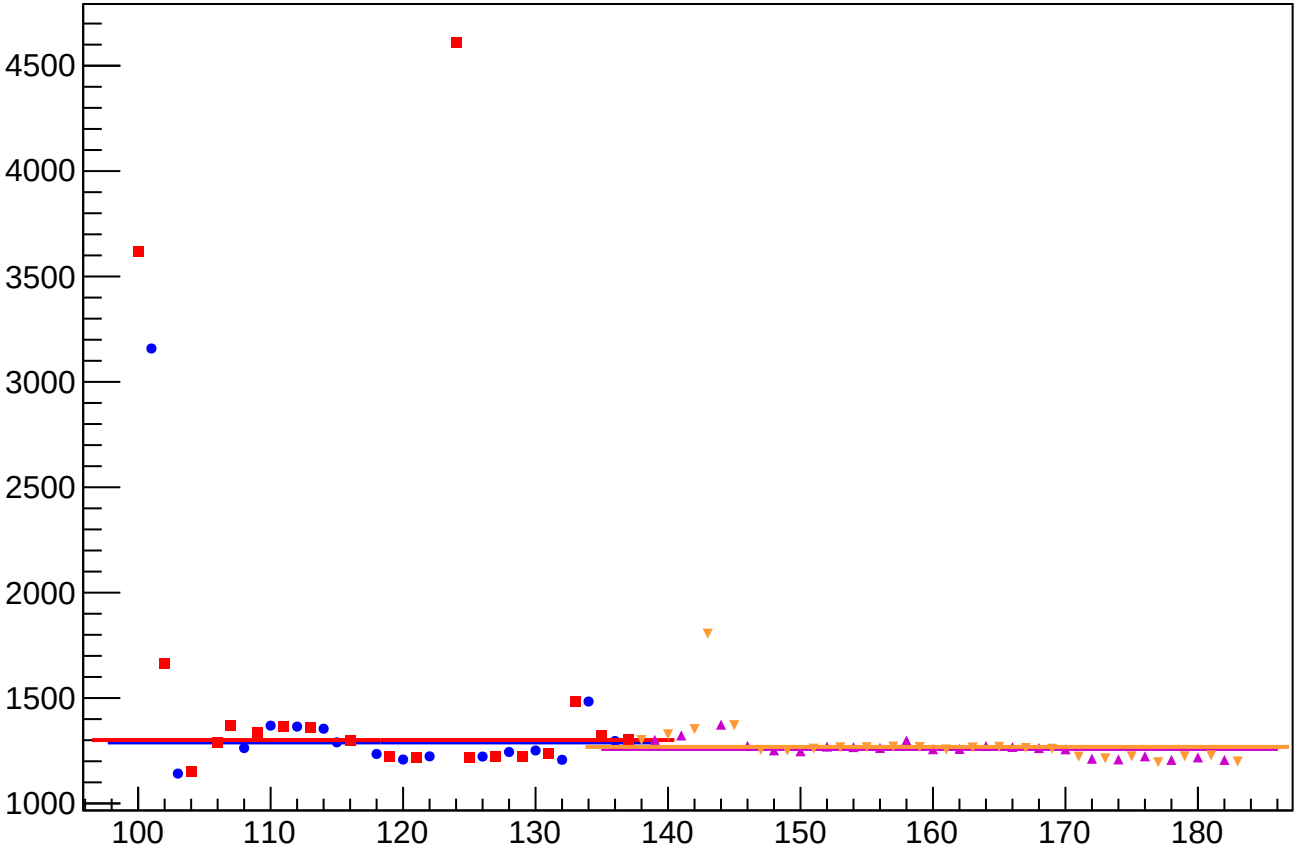
Left In: 531.298+/-296.419 χ^2/NDF:13.2/21

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 316.957+/-177.898 χ^2/NDF: 93.3/80

- sign 398.549+/-253.356 χ^2/NDF: 30.2/40

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

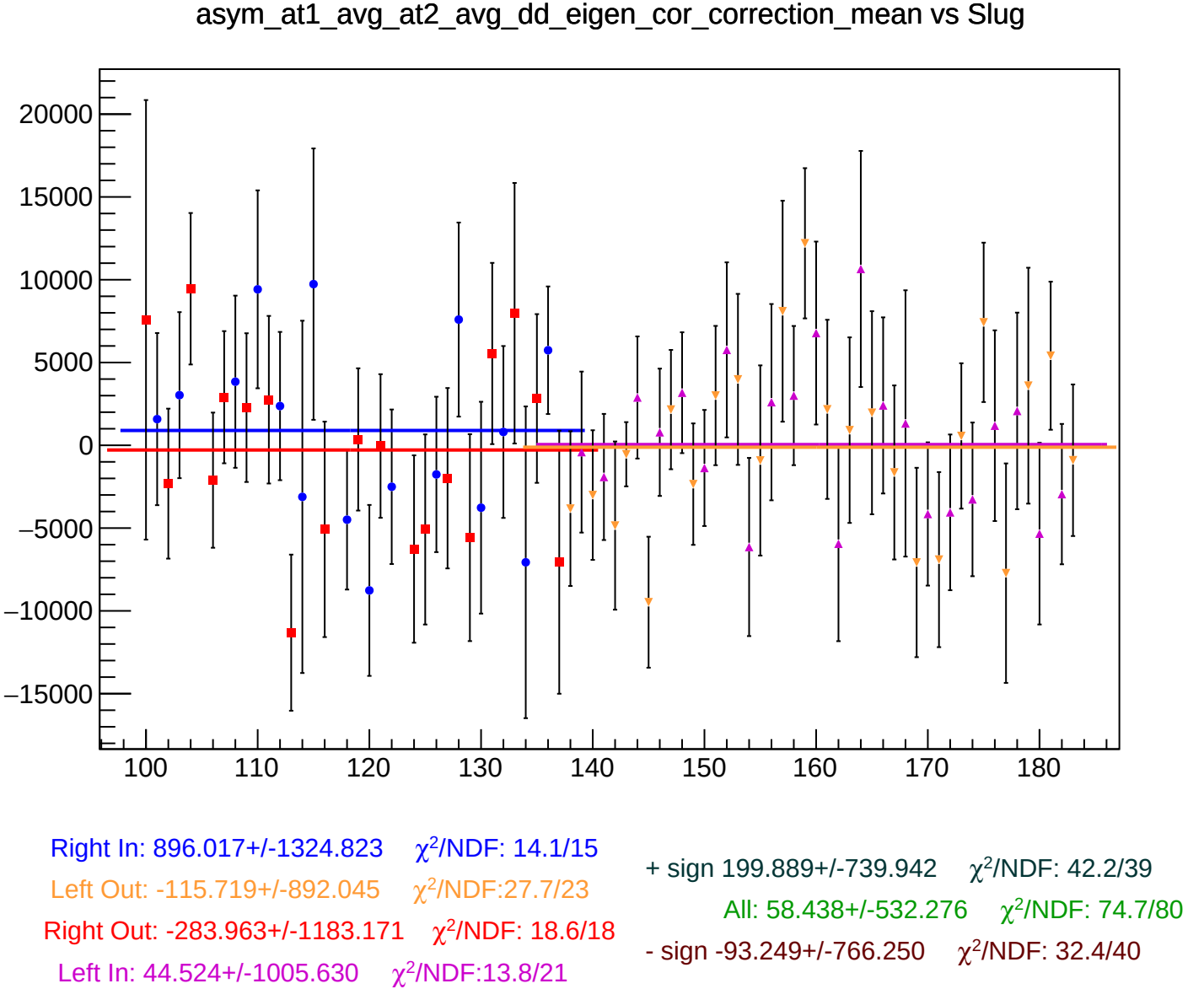
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

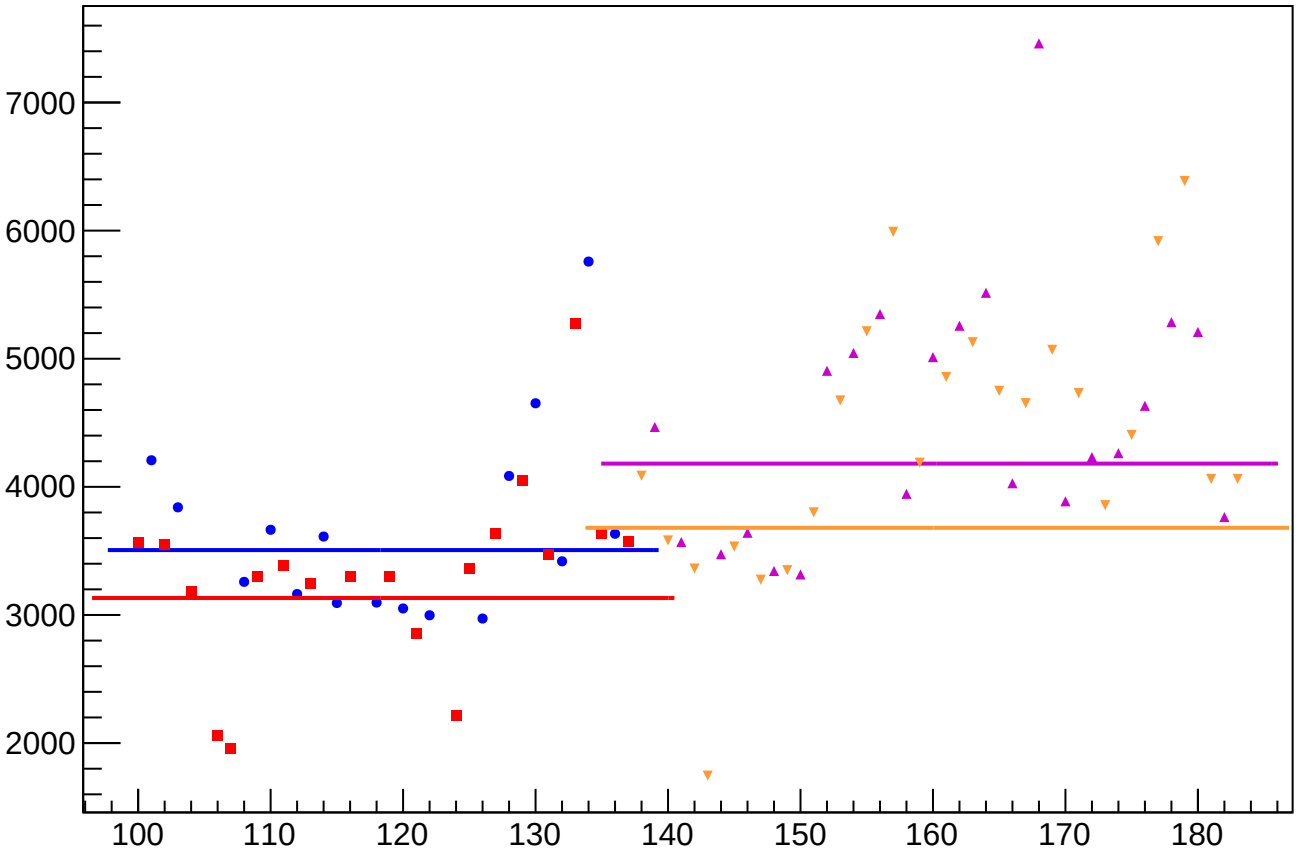
Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80

- sign 1269.947+/-0.179 χ^2/NDF: 372310.3/40


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -115.719+/-892.045 χ²/NDF:27.7/23
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 44.524+/-1005.630 χ²/NDF:13.8/21
+ sign 199.889+/-739.942 χ²/NDF: 42.2/39
All: 58.438+/-532.276 χ²/NDF: 74.7/80
- sign -93.249+/-766.250 χ²/NDF: 32.4/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

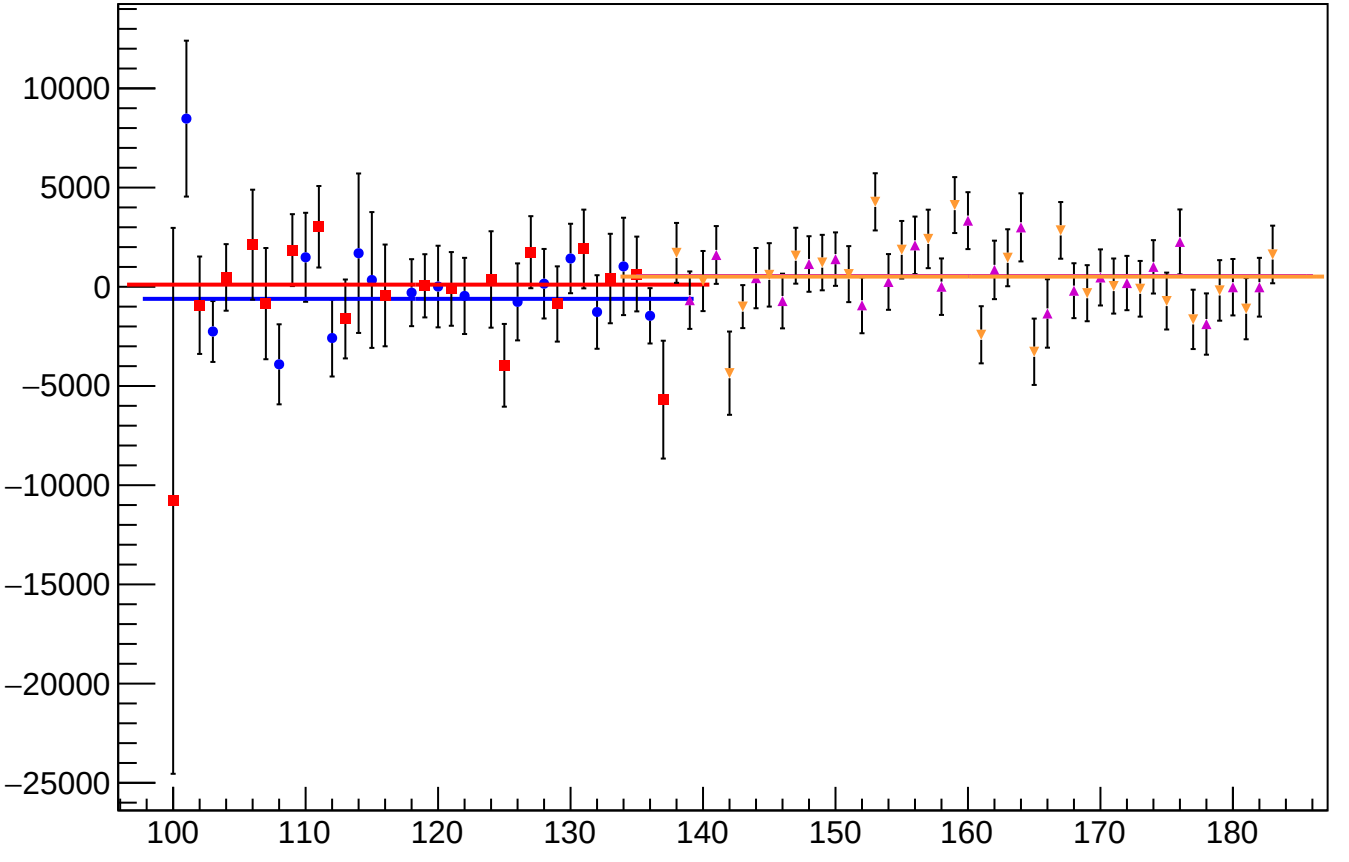
Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80

- sign 3741.450+/-0.542 χ^2/NDF: 2830988.2/40

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.229+/-296.438 χ^2/NDF:42.4/23

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

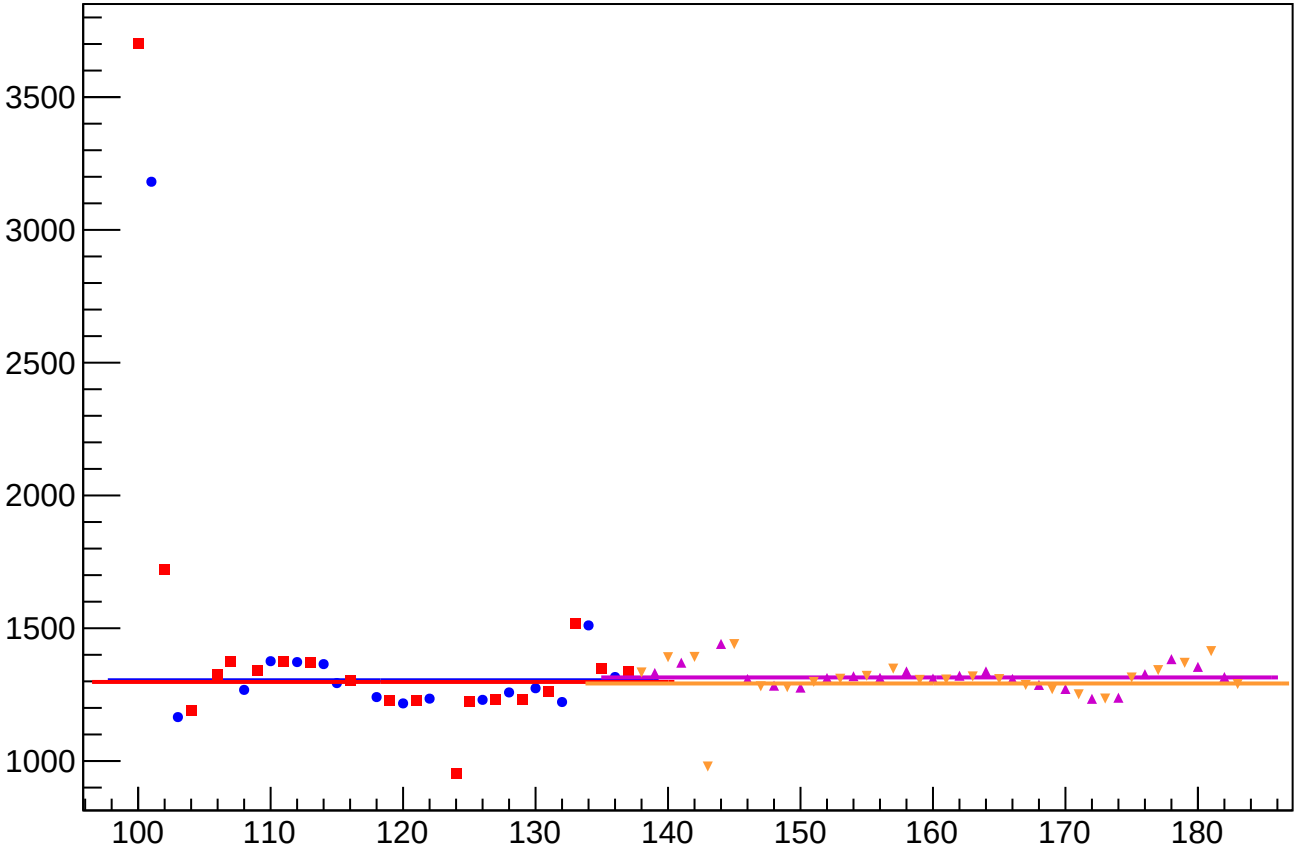
Left In: 542.806+/-309.764 χ^2/NDF:16.5/21

+ sign 217.318+/-254.210 χ^2/NDF: 60.3/39

All: 314.573+/-182.156 χ^2/NDF: 92.6/80

- sign 417.209+/-261.147 χ^2/NDF: 31.9/40

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.005+/-0.210 χ^2/NDF:229756.3/23

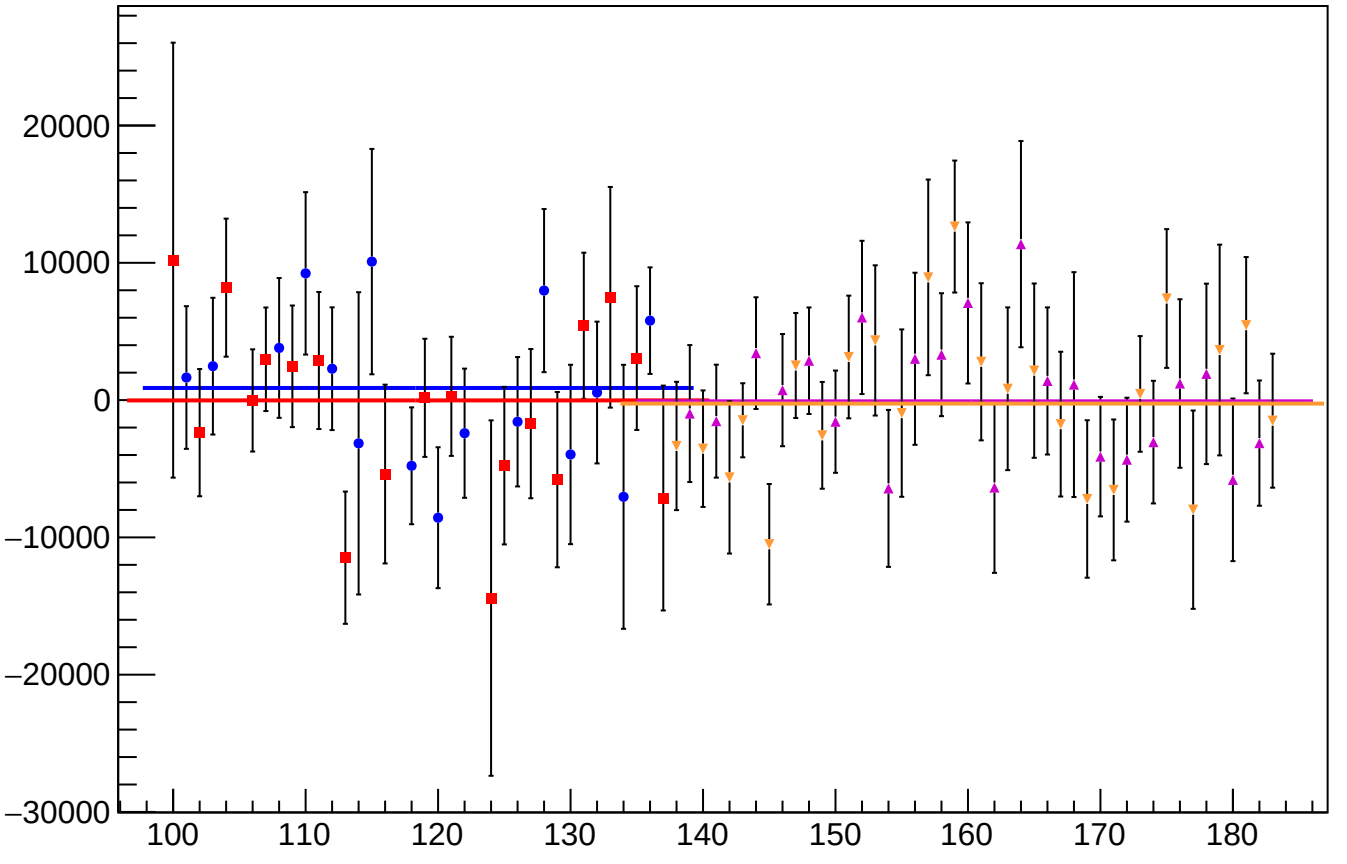
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.793+/-0.219 χ^2/NDF:42303.0/21

+ sign 1295.206+/-0.180 χ^2/NDF: 741227.2/39

All: 1302.343+/-0.129 χ^2/NDF: 1001609.9/80

- sign 1309.871+/-0.185 χ^2/NDF: 257143.5/40



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -254.197+/-983.675 χ^2/NDF:27.3/23

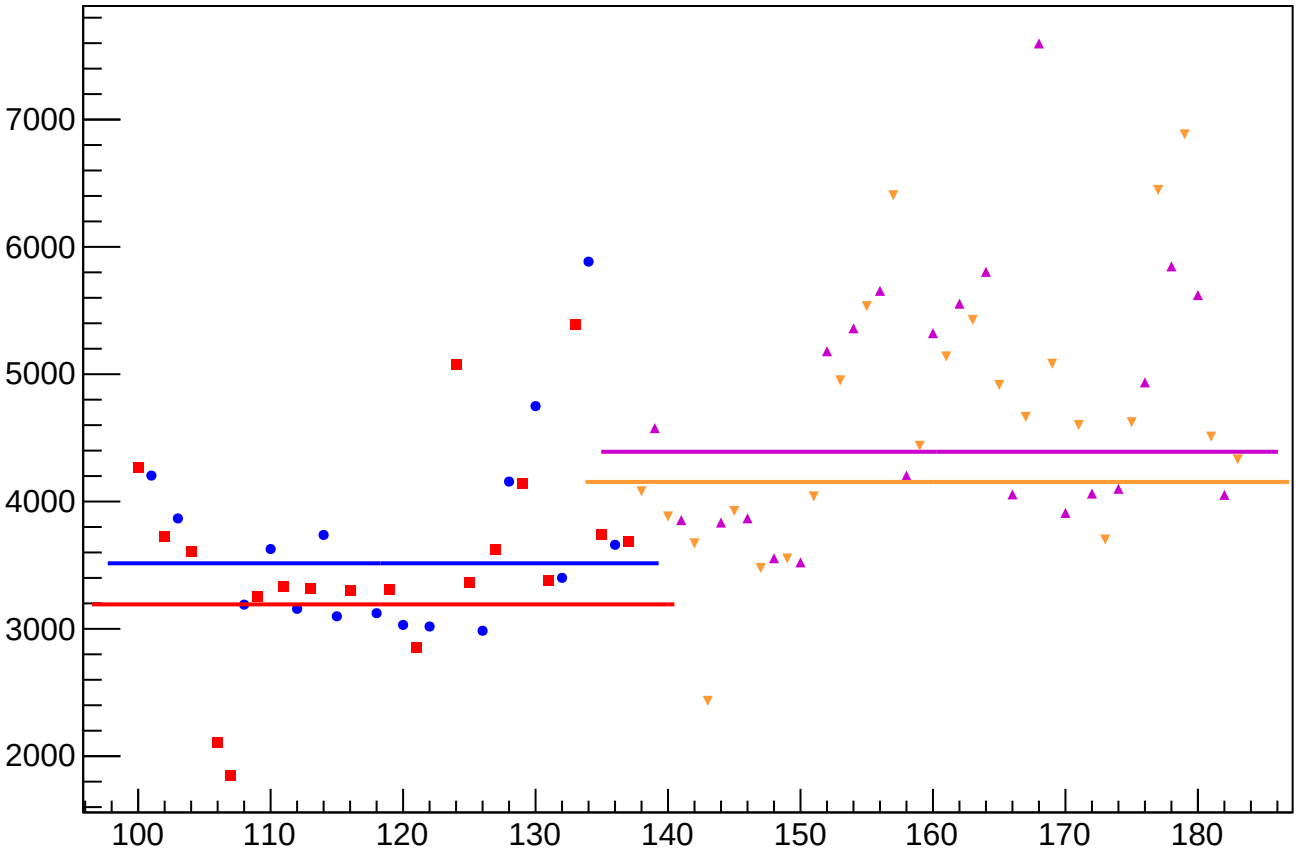
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -89.972+/-1055.954 χ^2/NDF:13.6/21

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 45.104+/-559.694 χ^2/NDF: 72.3/80

- sign -59.733+/-792.738 χ^2/NDF: 30.4/40



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

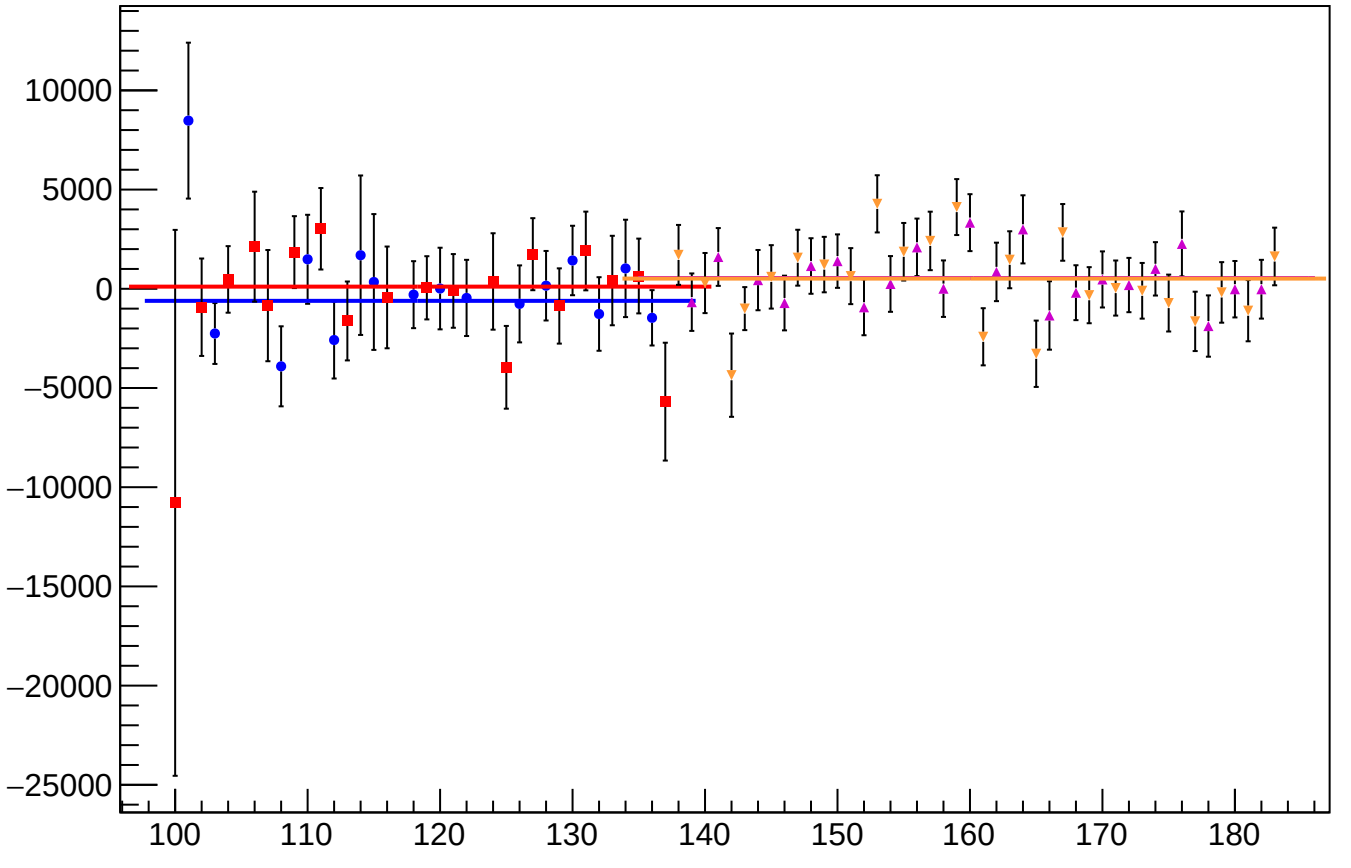
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4390.854+/-0.747 χ^2/NDF:1251583.3/21

+ sign 3927.415+/-0.559 χ^2/NDF: 2754274.0/39

All: 3897.679+/-0.396 χ^2/NDF: 5908668.6/80

- sign 3867.761+/-0.561 χ^2/NDF: 3148714.6/40



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.232+/-296.438 χ^2/NDF:42.4/23

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

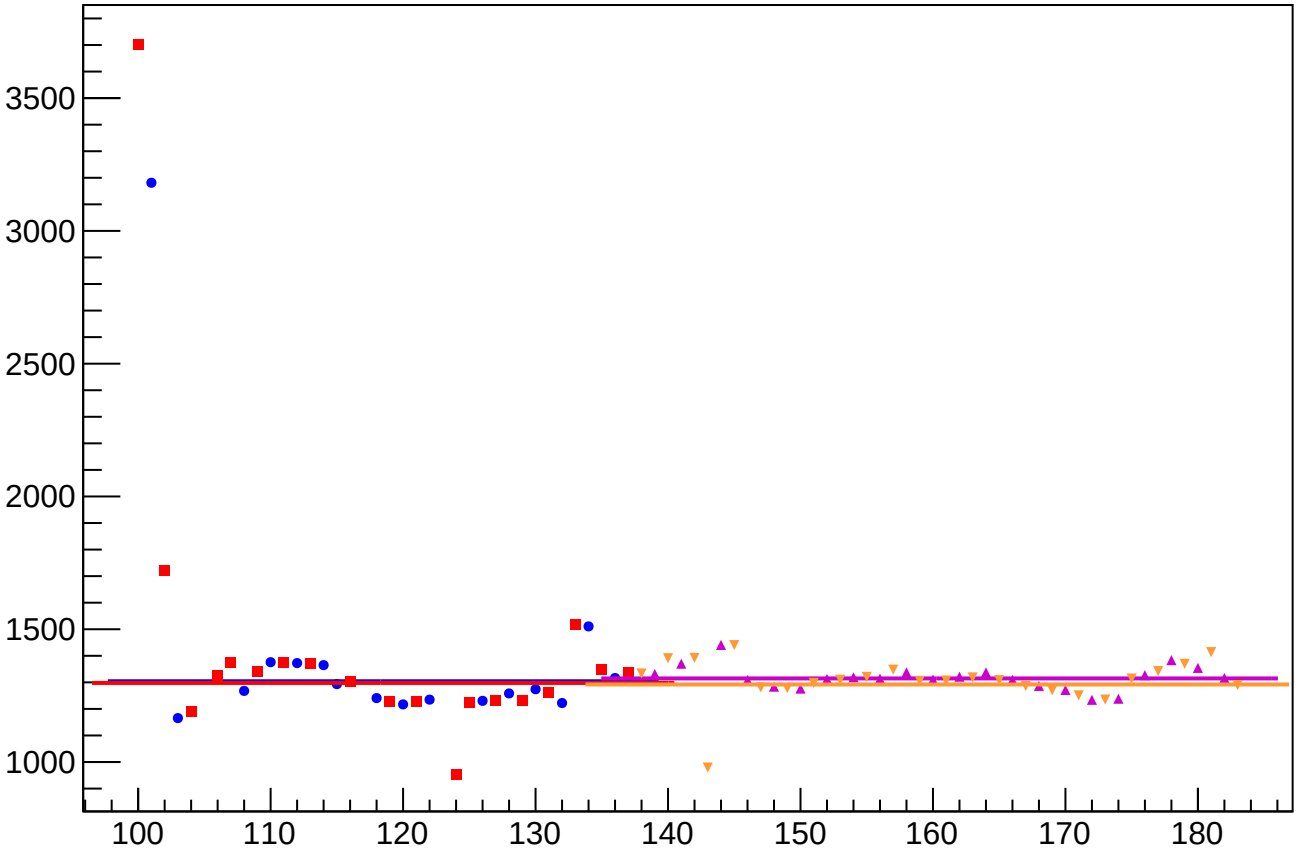
Left In: 542.806+/-309.764 χ^2/NDF:16.5/21

+ sign 217.319+/-254.210 χ^2/NDF: 60.3/39

All: 314.575+/-182.157 χ^2/NDF: 92.6/80

- sign 417.211+/-261.147 χ^2/NDF: 31.9/40

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.006+/-0.210 χ^2/NDF:229758.9/23

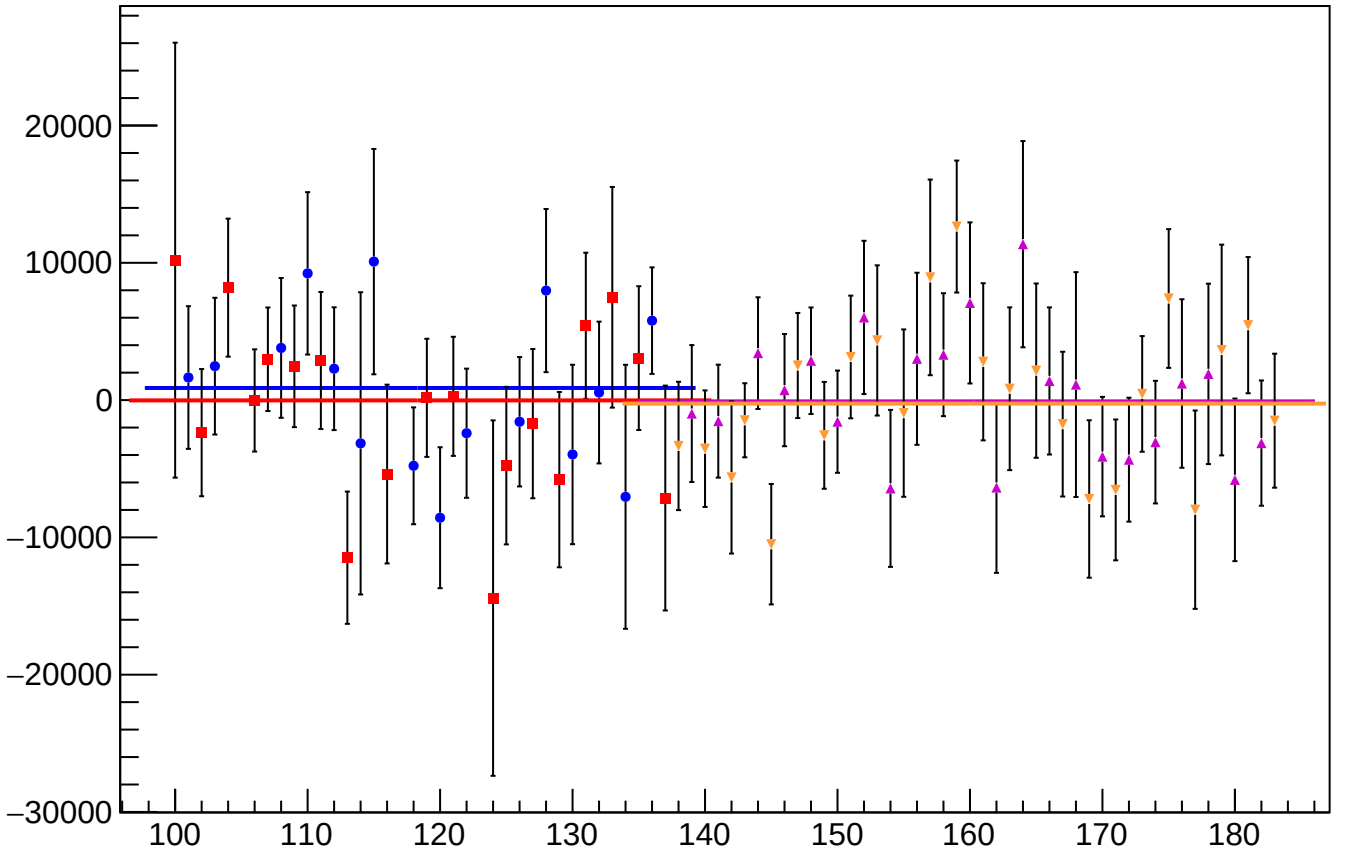
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.794+/-0.219 χ^2/NDF:42305.1/21

+ sign 1295.207+/-0.180 χ^2/NDF: 741229.6/39

All: 1302.344+/-0.129 χ^2/NDF: 1001614.9/80

- sign 1309.872+/-0.185 χ^2/NDF: 257146.0/40



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

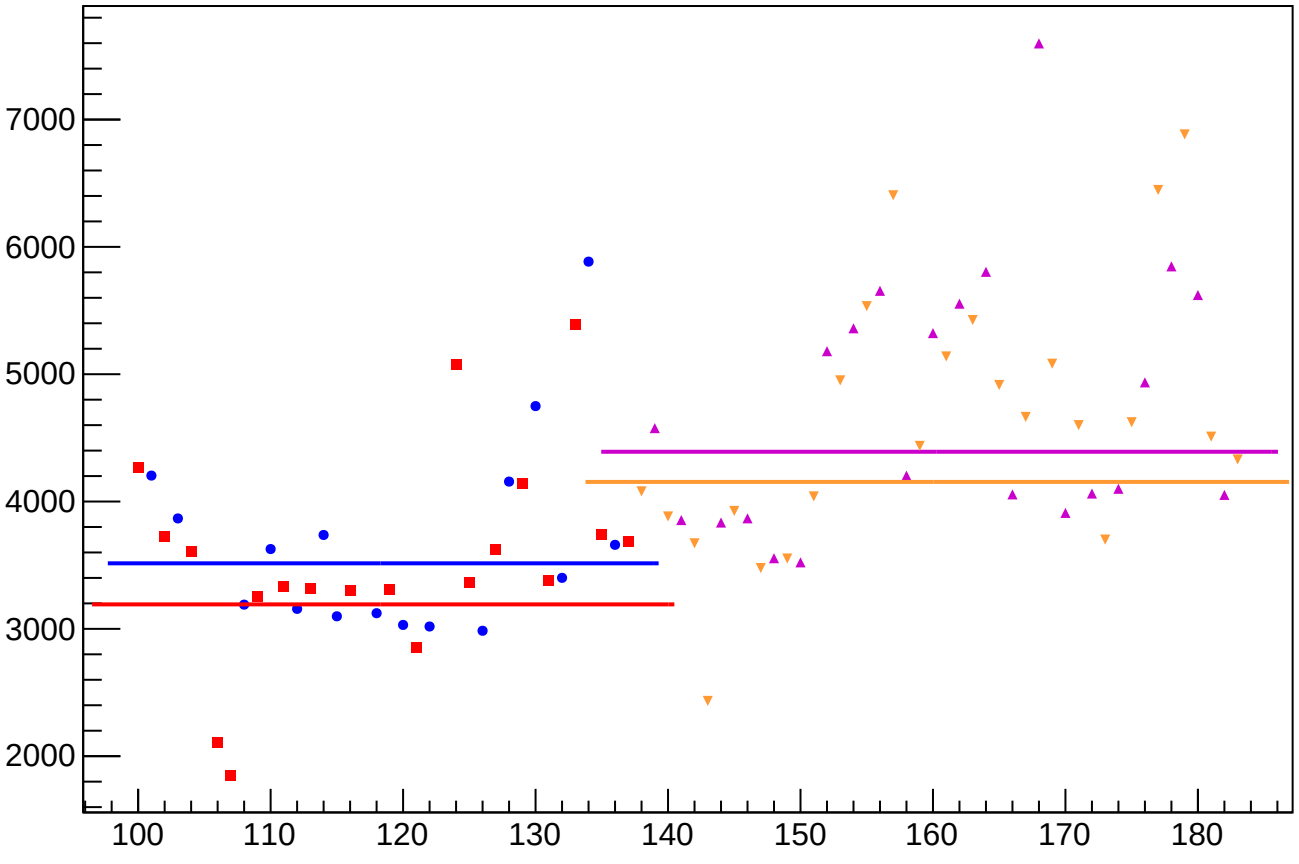
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -89.973+/-1055.956 χ^2/NDF:13.6/21

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 45.105+/-559.694 χ^2/NDF: 72.3/80

- sign -59.732+/-792.738 χ^2/NDF: 30.4/40



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4154.044+/-0.696 χ^2/NDF:2079744.9/23

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

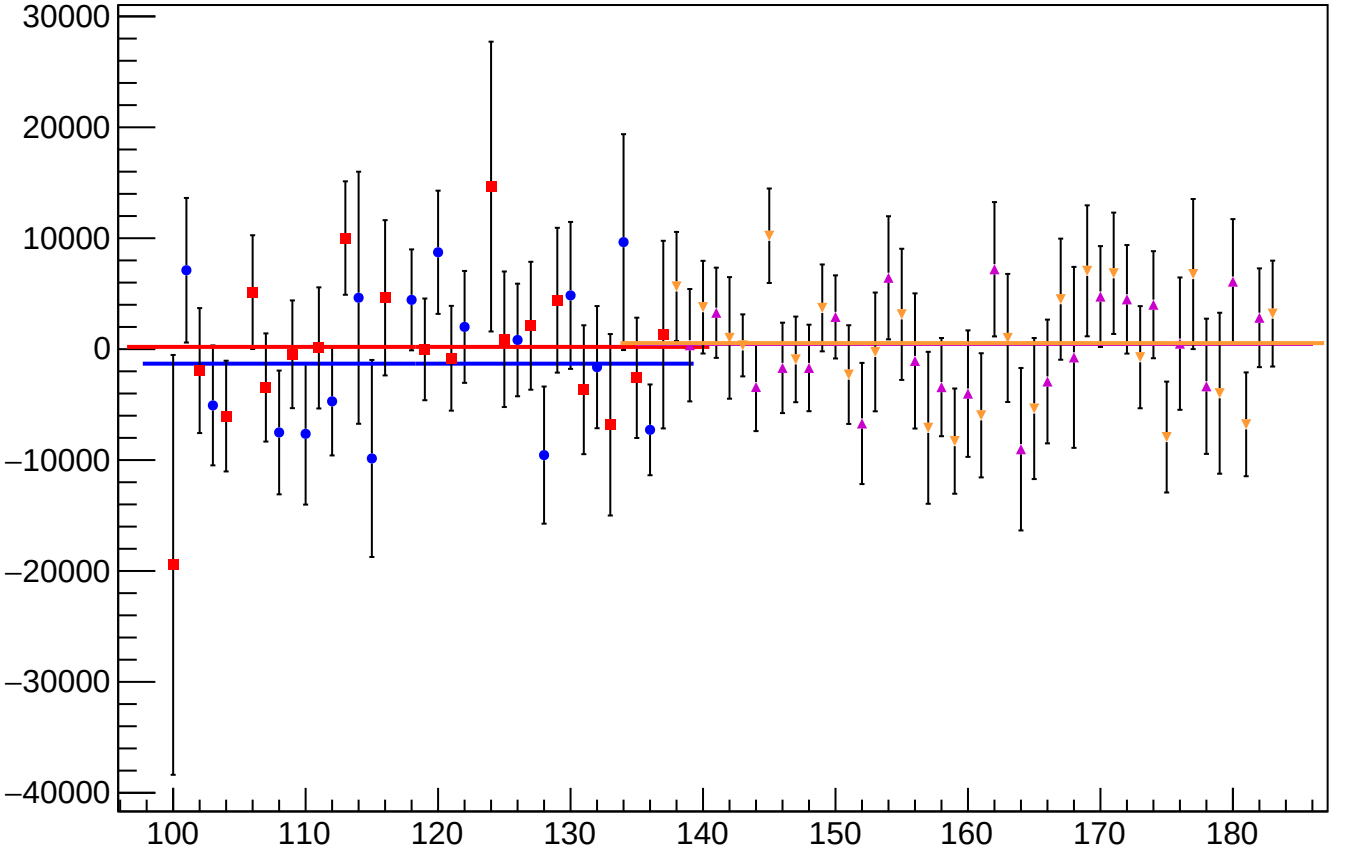
Left In: 4390.861+/-0.747 χ^2/NDF:1251587.6/21

+ sign 3927.415+/-0.559 χ^2/NDF: 2754296.2/39

All: 3897.678+/-0.396 χ^2/NDF: 5908726.3/80

- sign 3867.759+/-0.561 χ^2/NDF: 3148749.7/40

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 544.185+/-986.773 χ^2/NDF:25.2/23

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

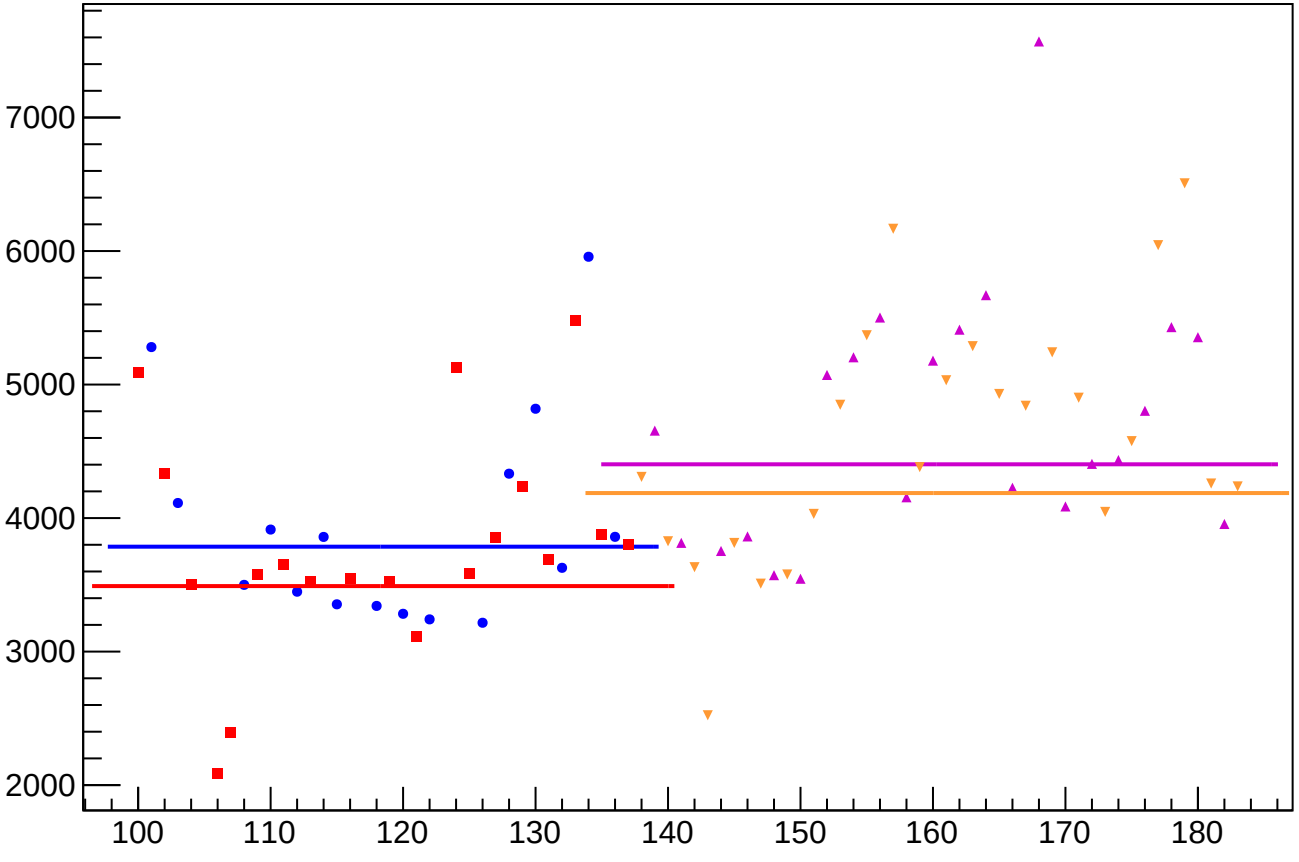
Left In: 465.712+/-1055.508 χ^2/NDF:13.8/21

+ sign -52.793+/-812.471 χ^2/NDF: 43.9/39

All: 151.706+/-579.996 χ^2/NDF: 69.6/80

- sign 364.216+/-828.232 χ^2/NDF: 25.5/40

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.415+/-0.698 χ^2/NDF:1796318.2/23

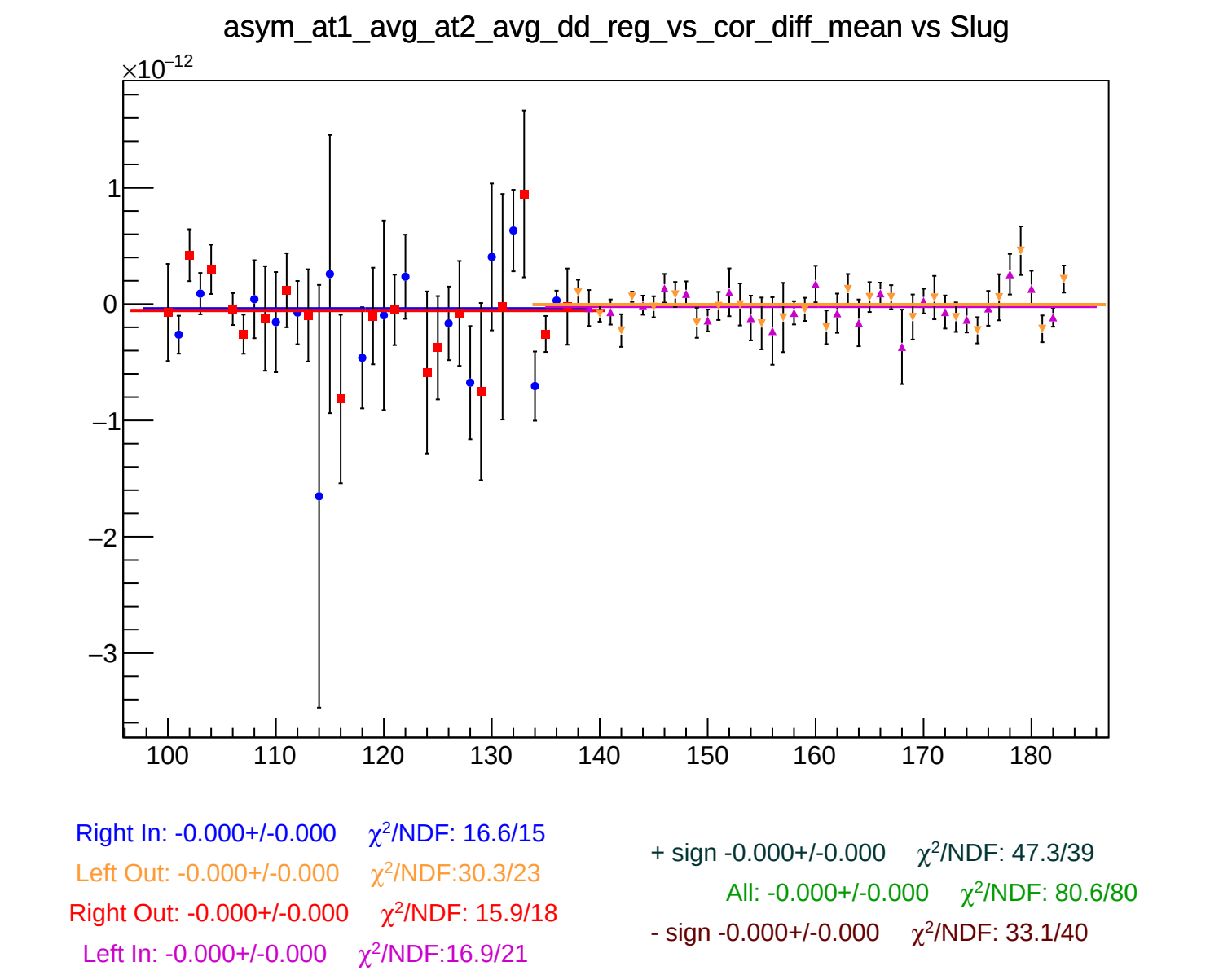
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4402.755+/-0.746 χ^2/NDF:1082128.6/21

\+ sign 4058.054+/-0.575 χ^2/NDF: 2286028.2/39

All: 4052.254+/-0.409 χ^2/NDF: 4538771.4/80

\- sign 4046.291+/-0.583 χ^2/NDF: 2252536.4/40


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
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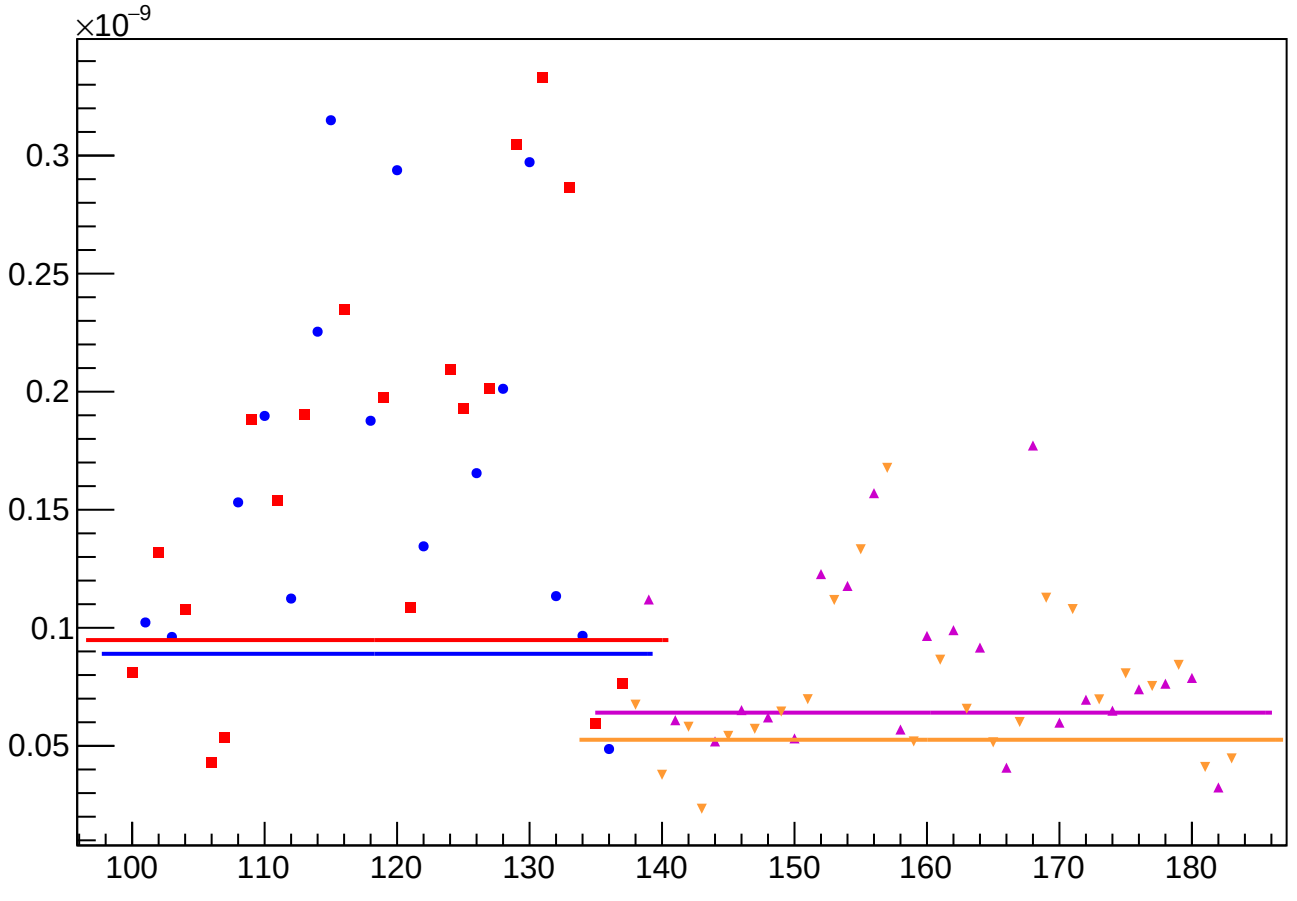
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:30.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:16.9/21
+ sign -0.000+/-0.000 χ²/NDF: 47.3/39
All: -0.000+/-0.000 χ²/NDF: 80.6/80
- sign -0.000+/-0.000 χ²/NDF: 33.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2623647.7/23

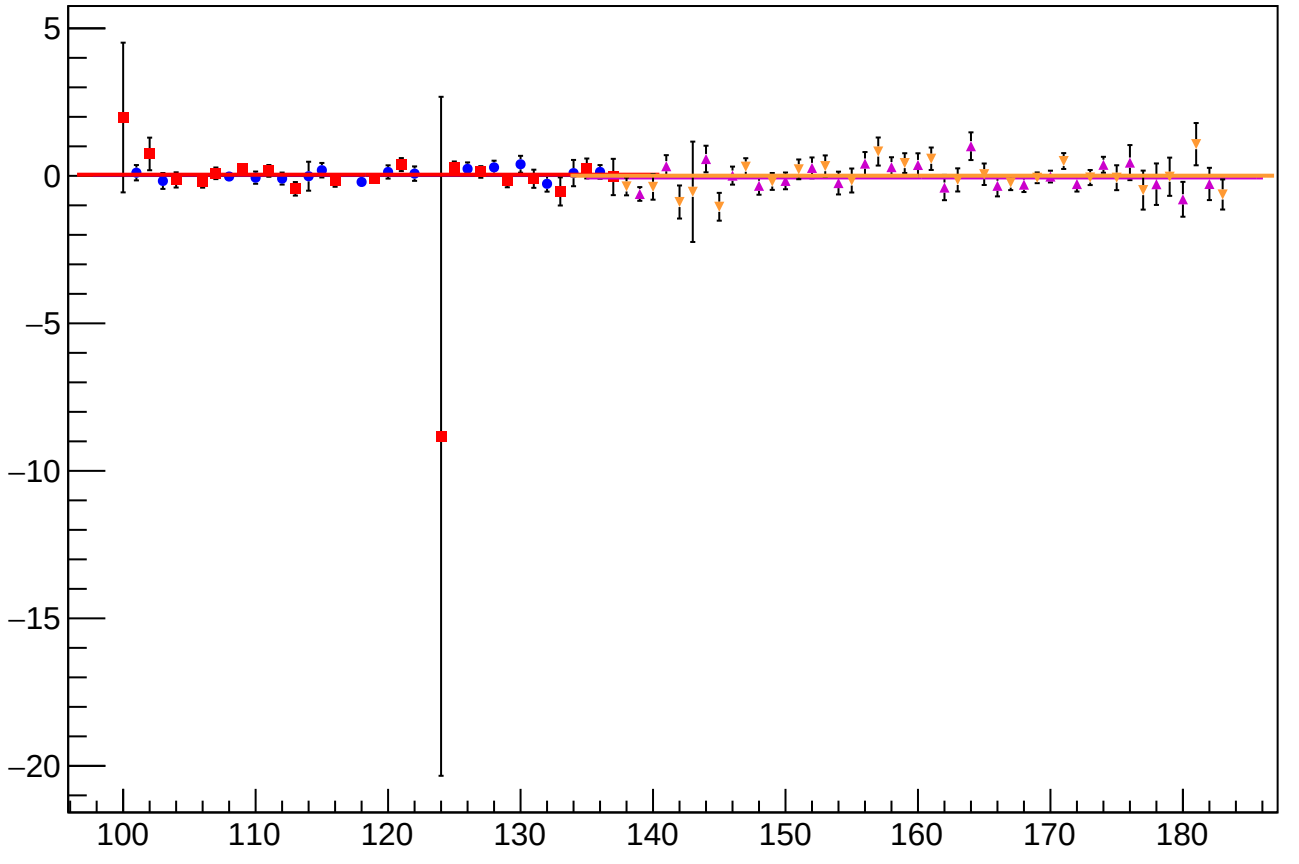
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1736248.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 4750374.6/39

All: 0.000+/-0.000 χ^2/NDF: 8867885.1/80

- sign 0.000+/-0.000 χ^2/NDF: 3865170.8/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

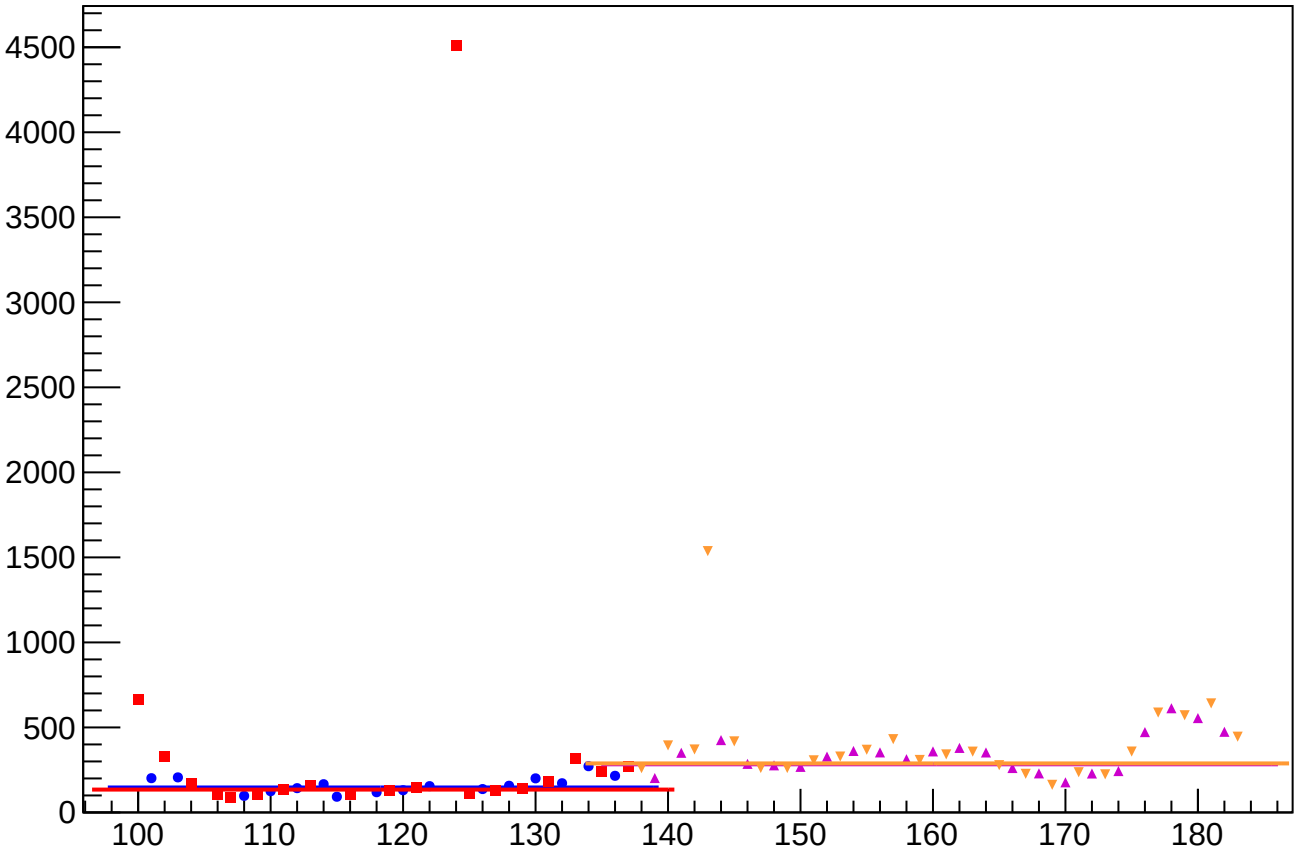
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

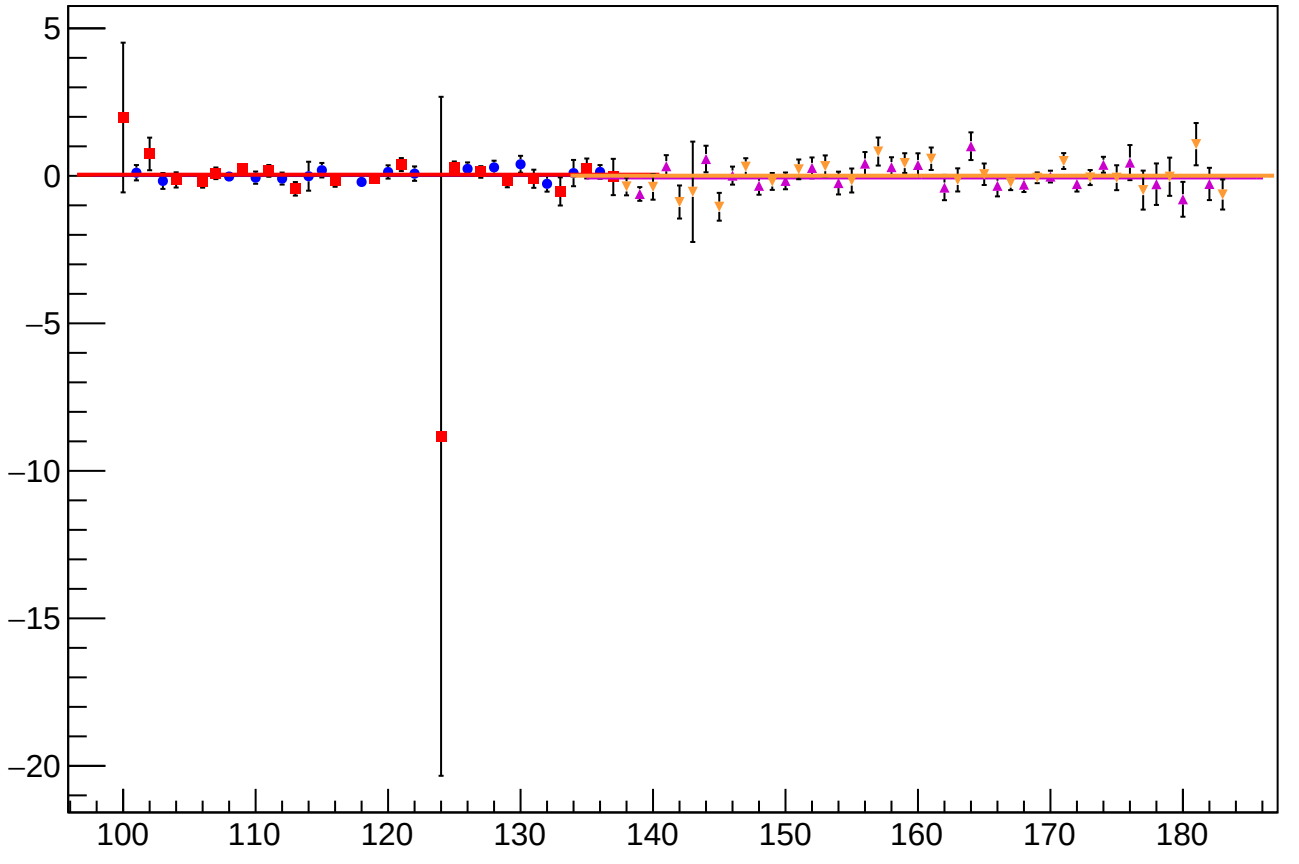
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80

- sign 190.222+/-0.031 χ^2/NDF: 10156087.9/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

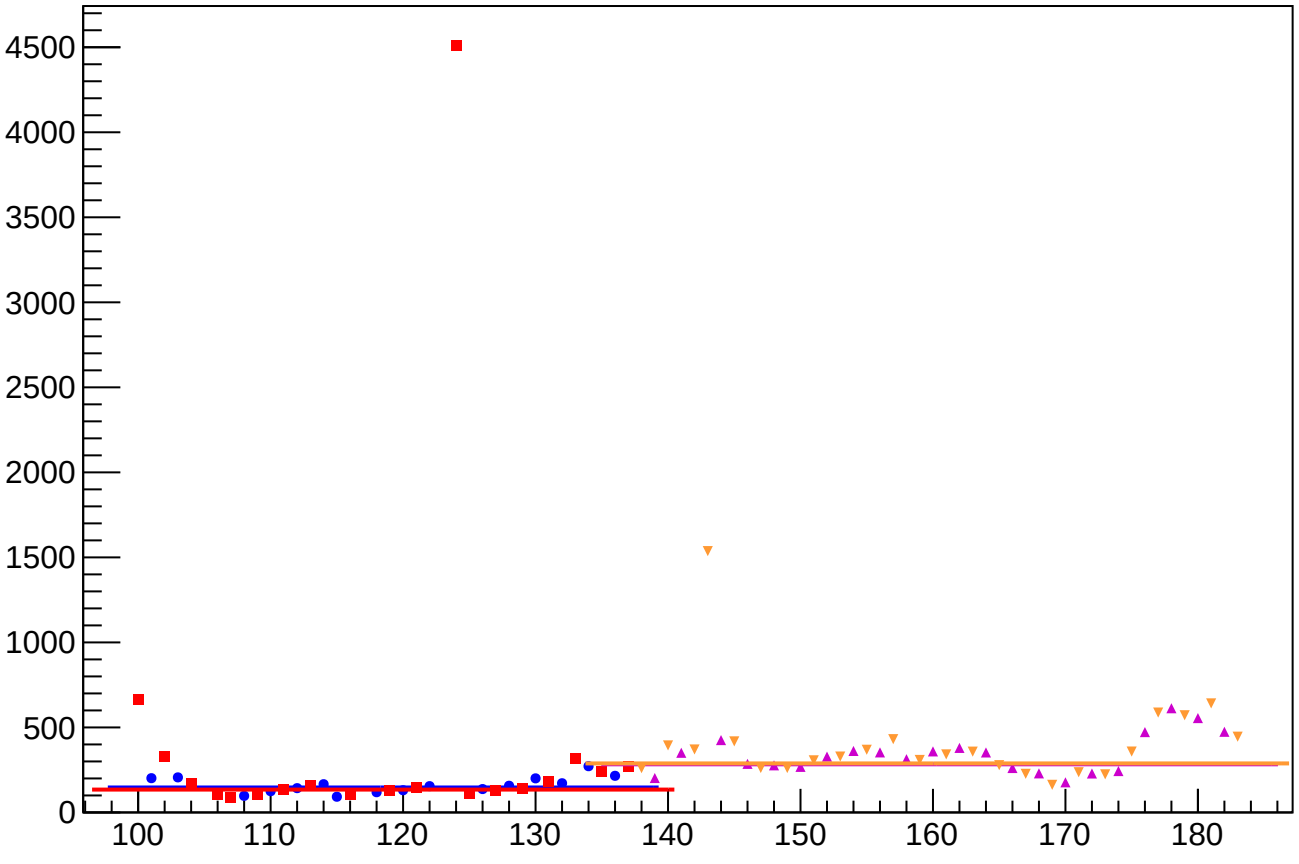
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

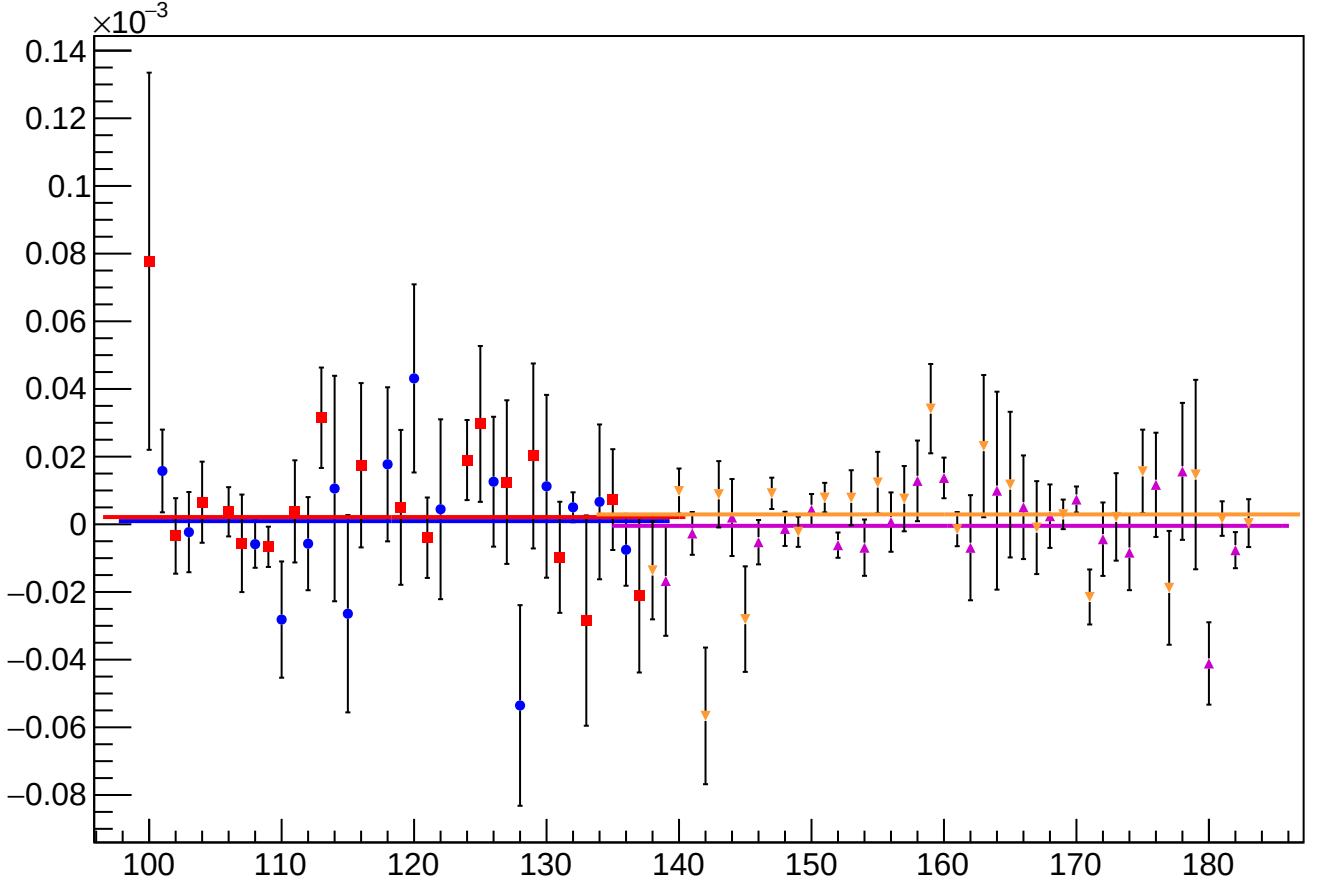
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80

- sign 190.222+/-0.031 χ^2/NDF: 10156087.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/23

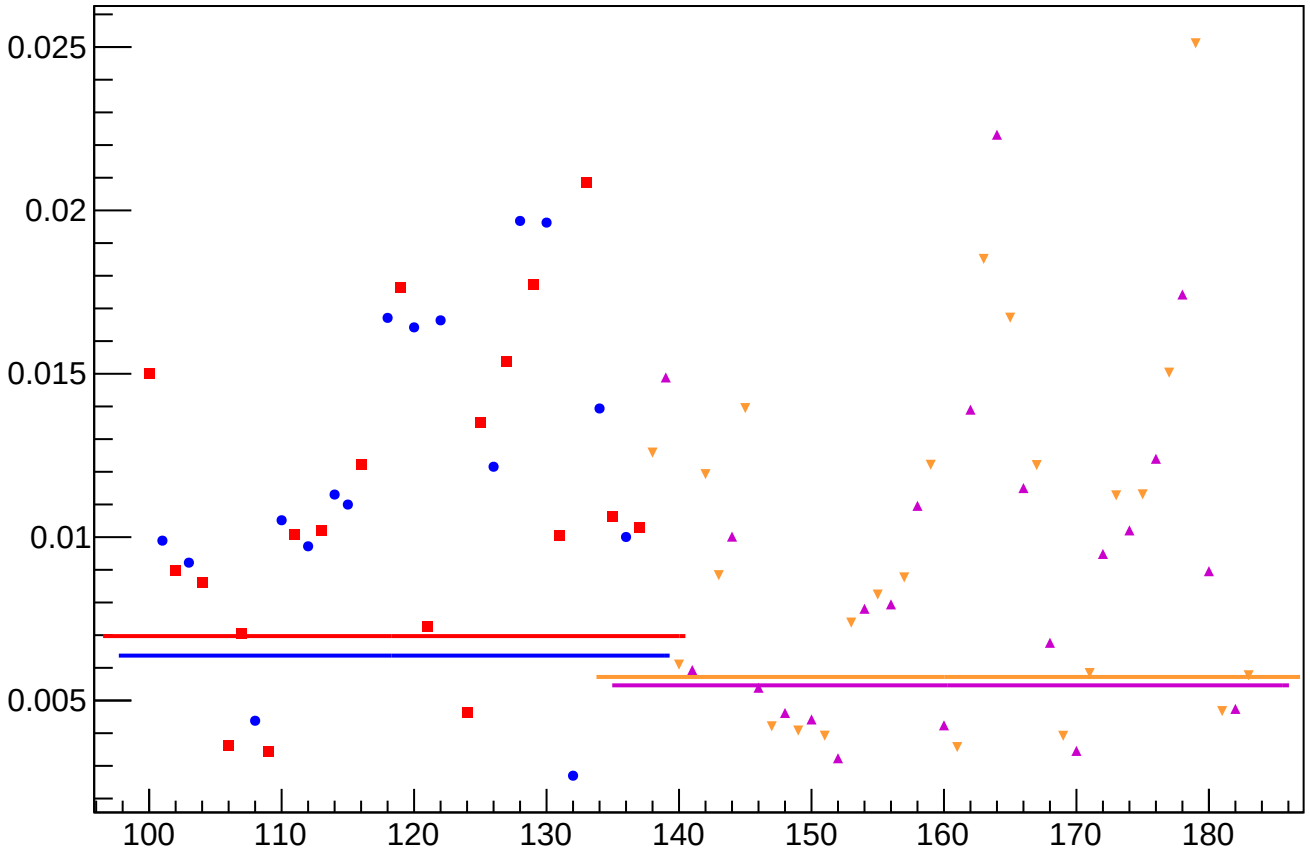
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:32.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/39

All: 0.000+/-0.000 χ^2/NDF: 106.6/80

- sign 0.000+/-0.000 χ^2/NDF: 48.7/40



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

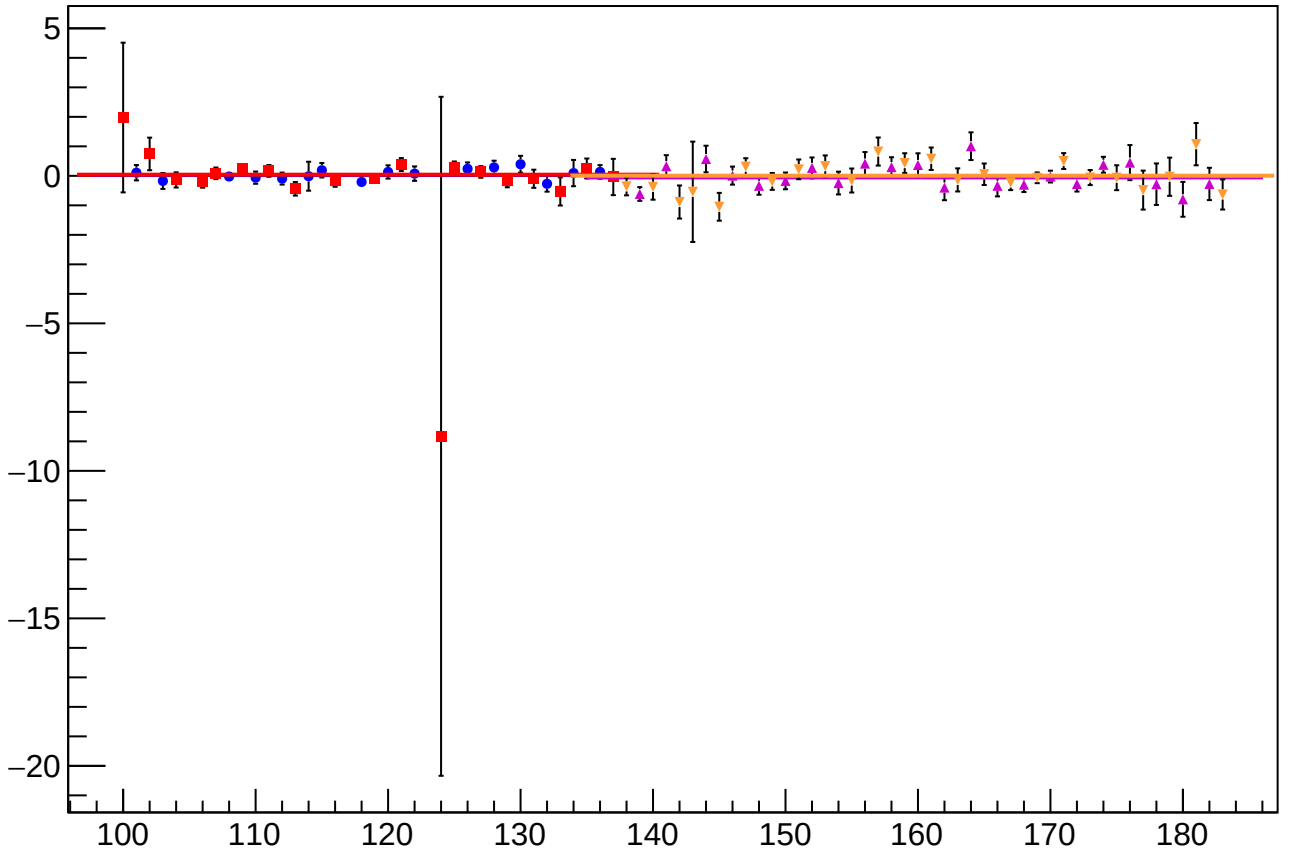
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6796454.6/21

+ sign 0.006+/-0.000 χ^2/NDF: 12715993.1/39

All: 0.006+/-0.000 χ^2/NDF: 23325584.6/80

- sign 0.006+/-0.000 χ^2/NDF: 10605149.7/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

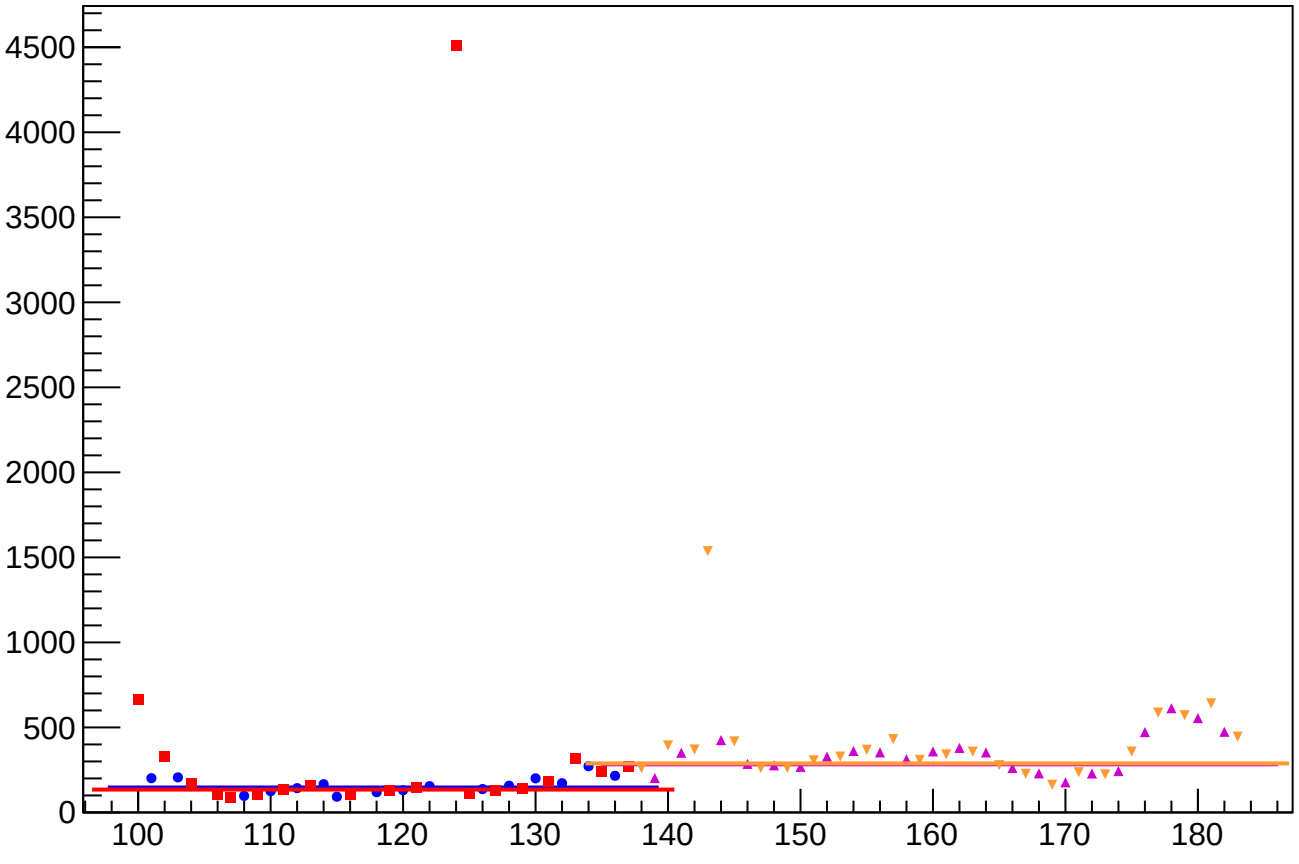
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636246.5/23

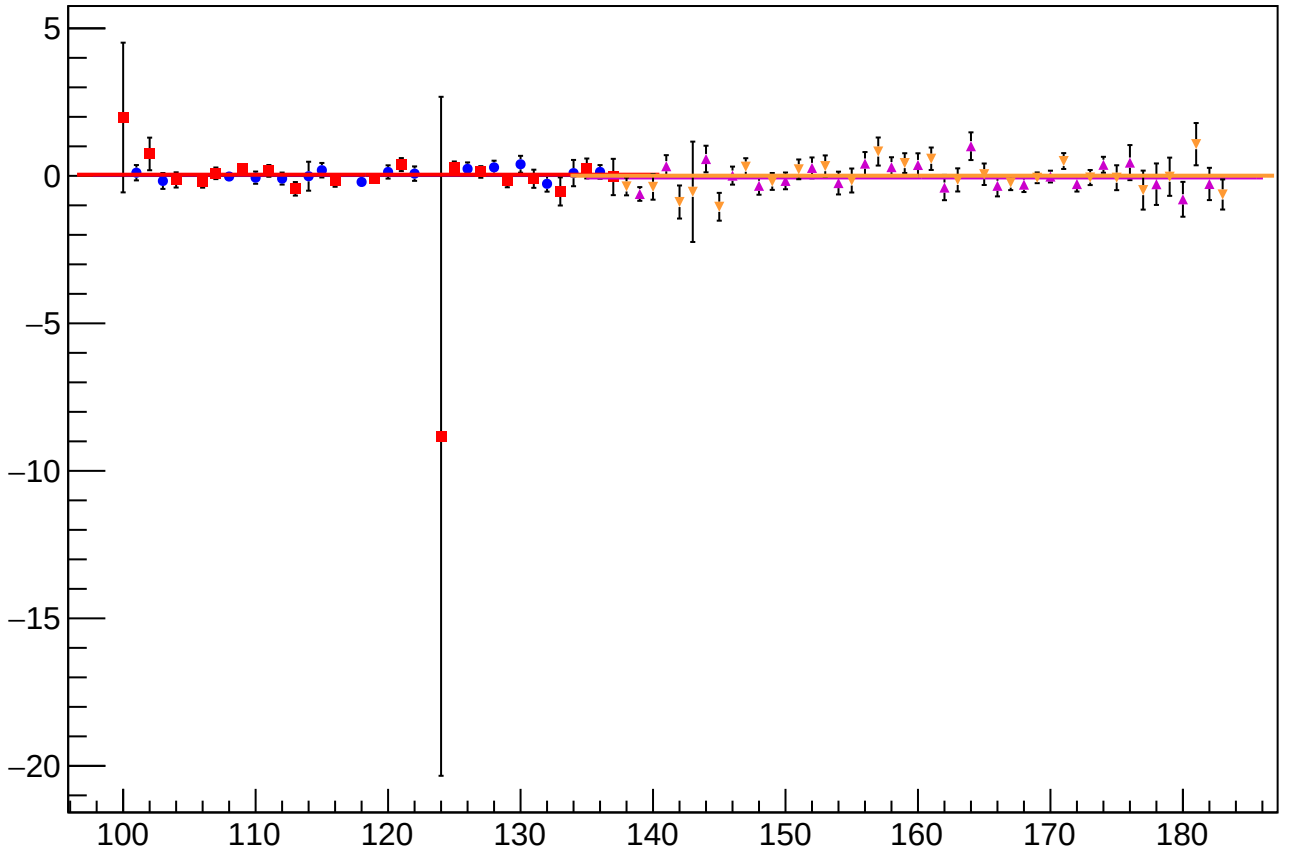
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80

- sign 190.224+/-0.031 χ^2/NDF: 10156060.5/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

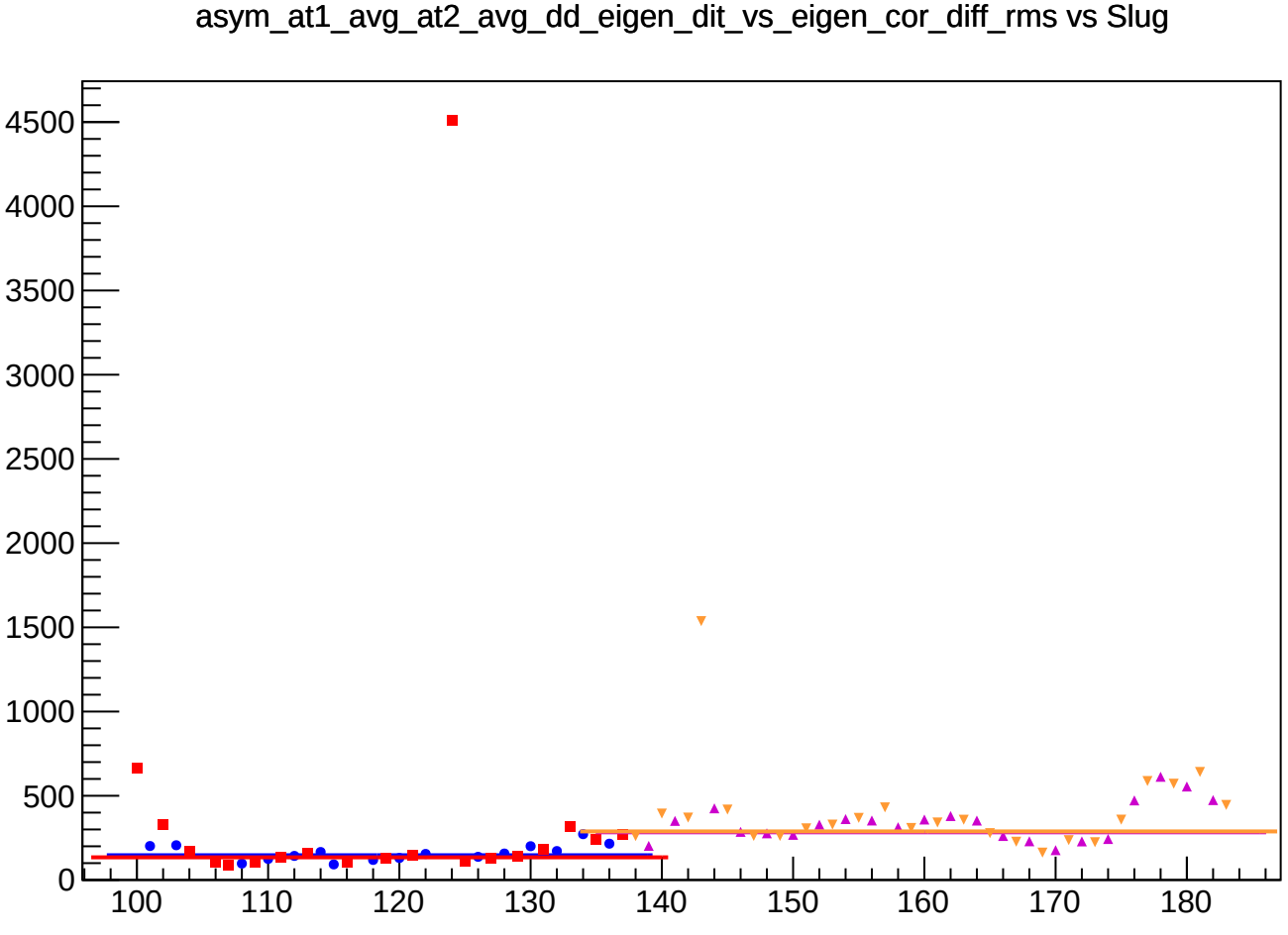
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636246.5/23

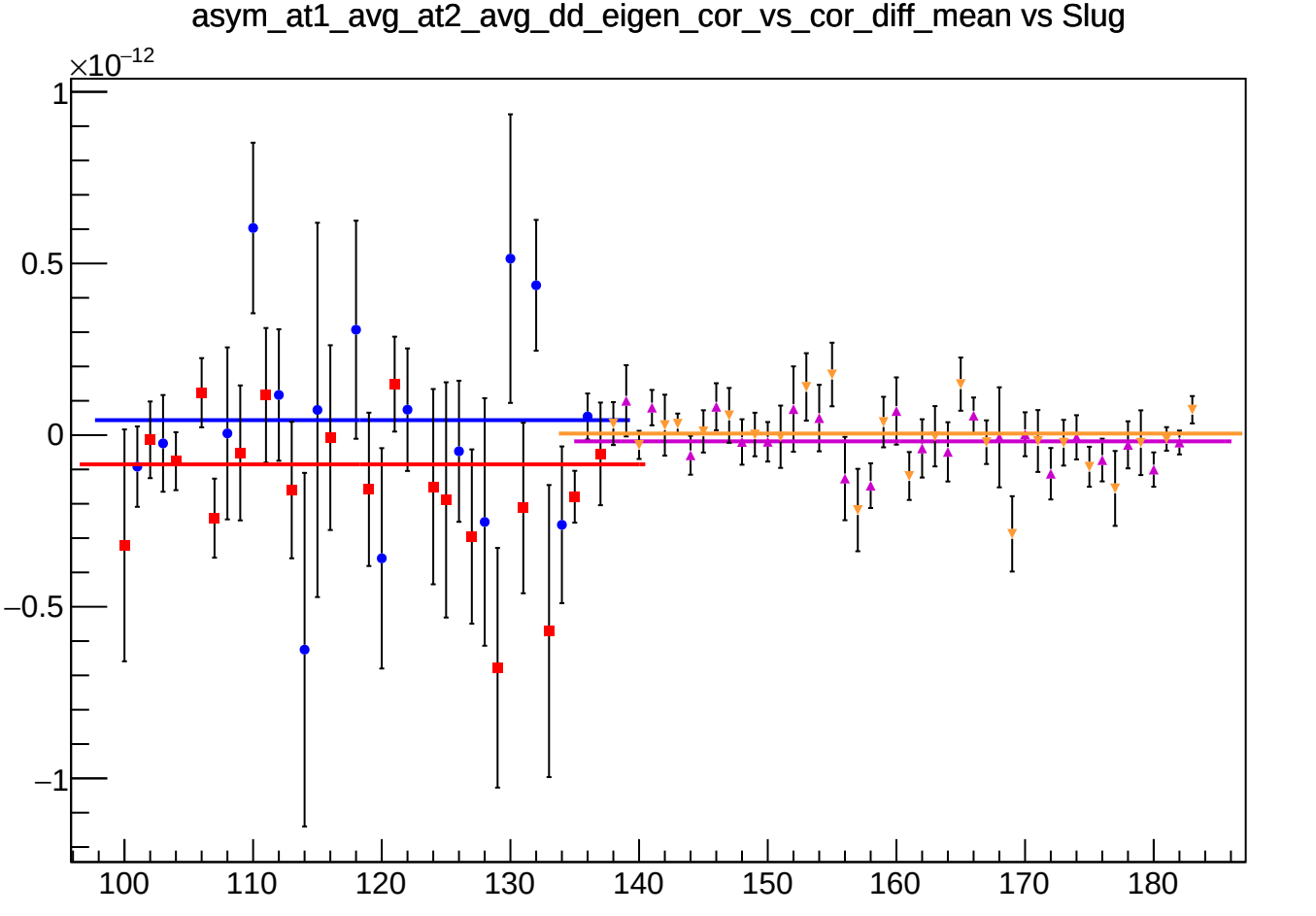
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80

- sign 190.224+/-0.031 χ^2/NDF: 10156060.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/23

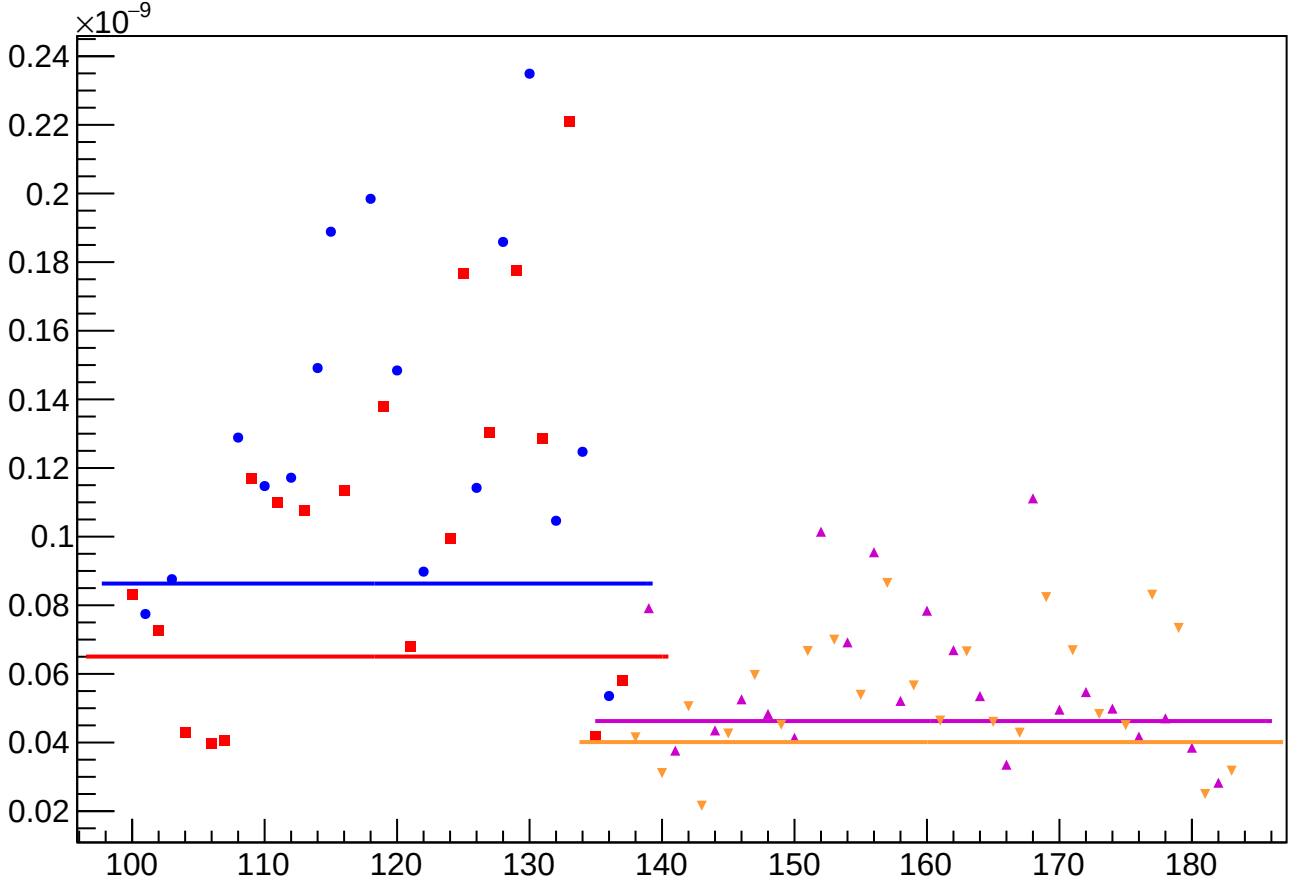
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/39

All: -0.000+/-0.000 χ^2/NDF: 100.6/80

- sign -0.000+/-0.000 χ^2/NDF: 43.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3609550.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

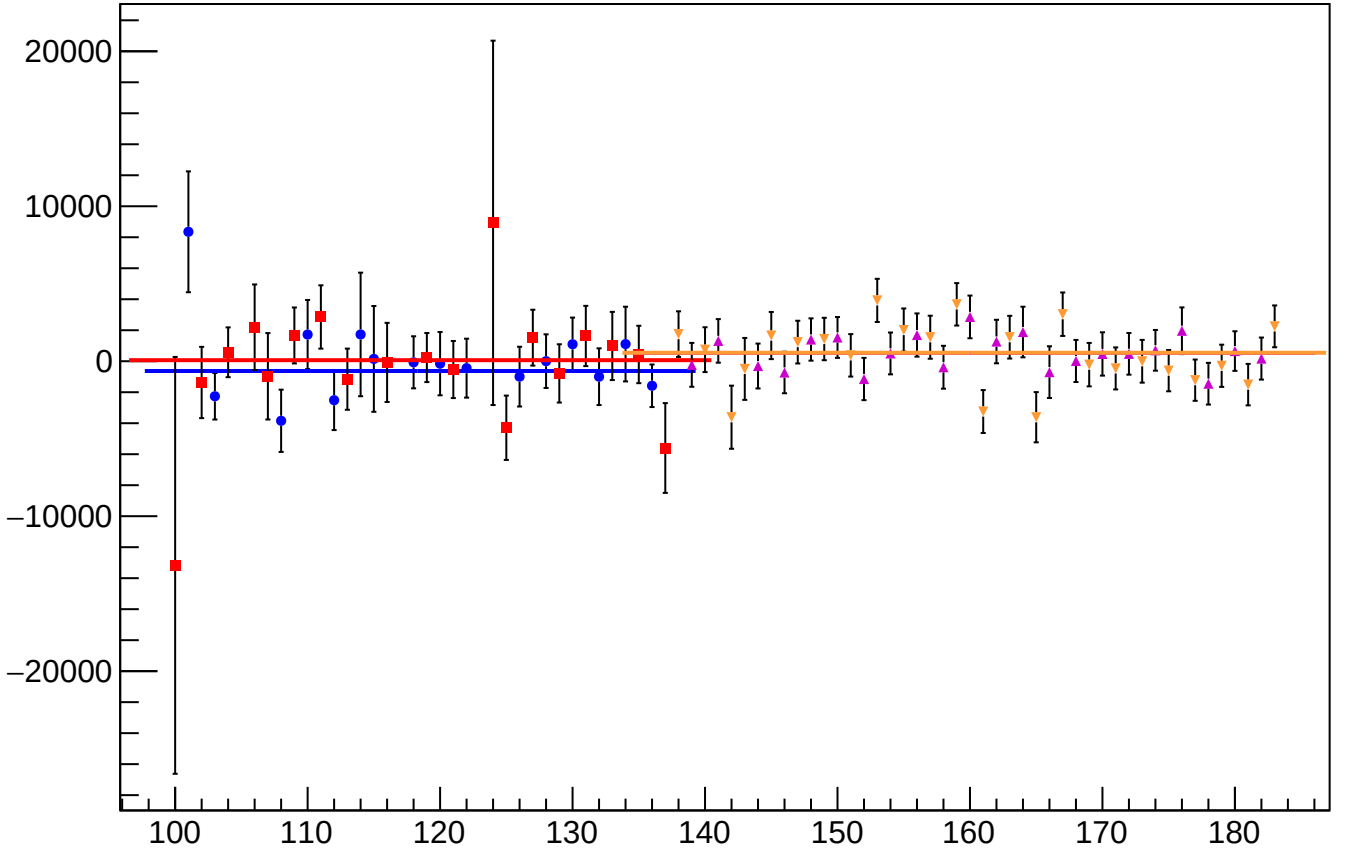
Left In: 0.000+/-0.000 χ^2/NDF:2636841.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 7331572.3/39

All: 0.000+/-0.000 χ^2/NDF: 12821942.0/80

- sign 0.000+/-0.000 χ^2/NDF: 5312844.8/40

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.182+/-290.725 χ^2/NDF:44.7/23

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

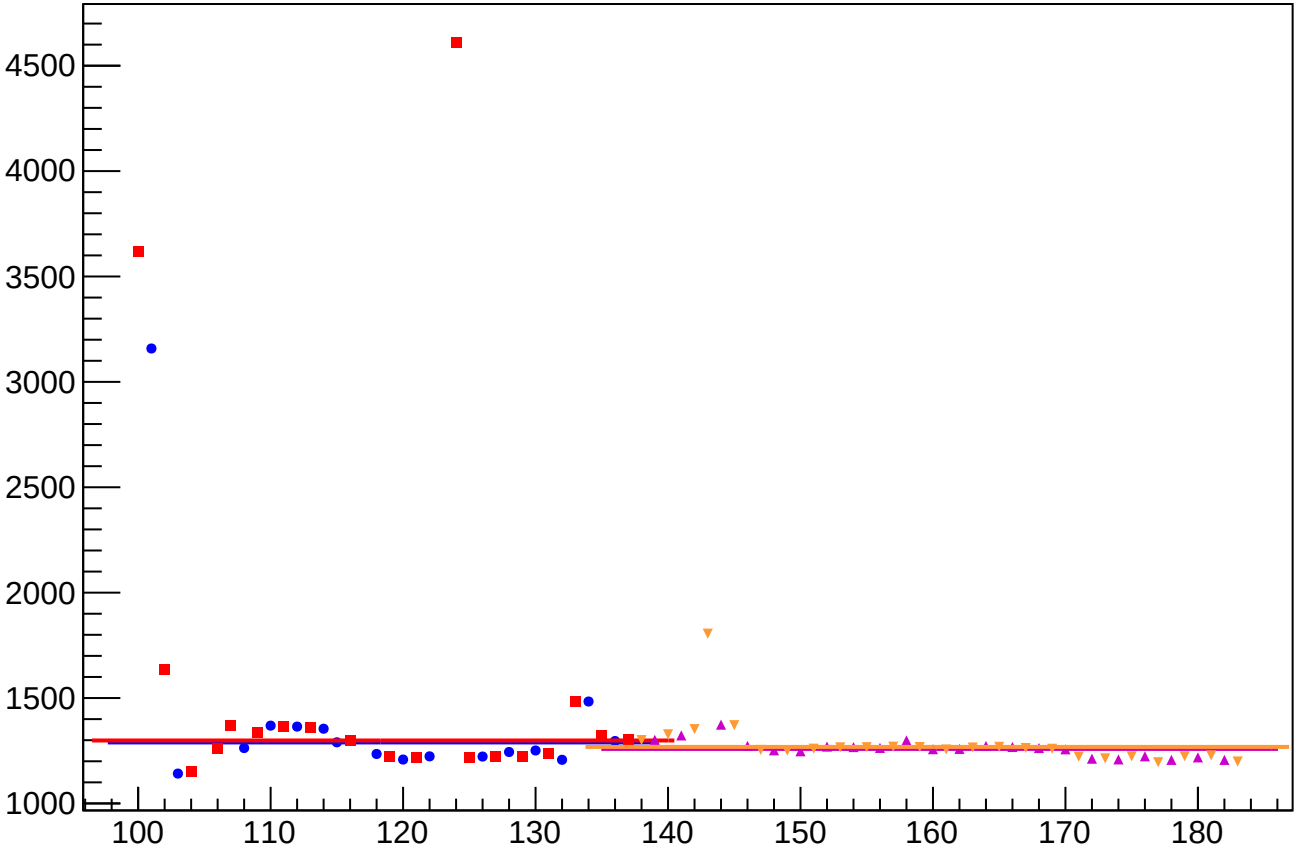
Left In: 531.379+/-296.419 χ^2/NDF:13.2/21

+ sign 237.691+/-249.851 χ^2/NDF: 62.9/39

All: 320.839+/-177.882 χ^2/NDF: 92.8/80

- sign 406.306+/-253.311 χ^2/NDF: 29.7/40

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.5/23

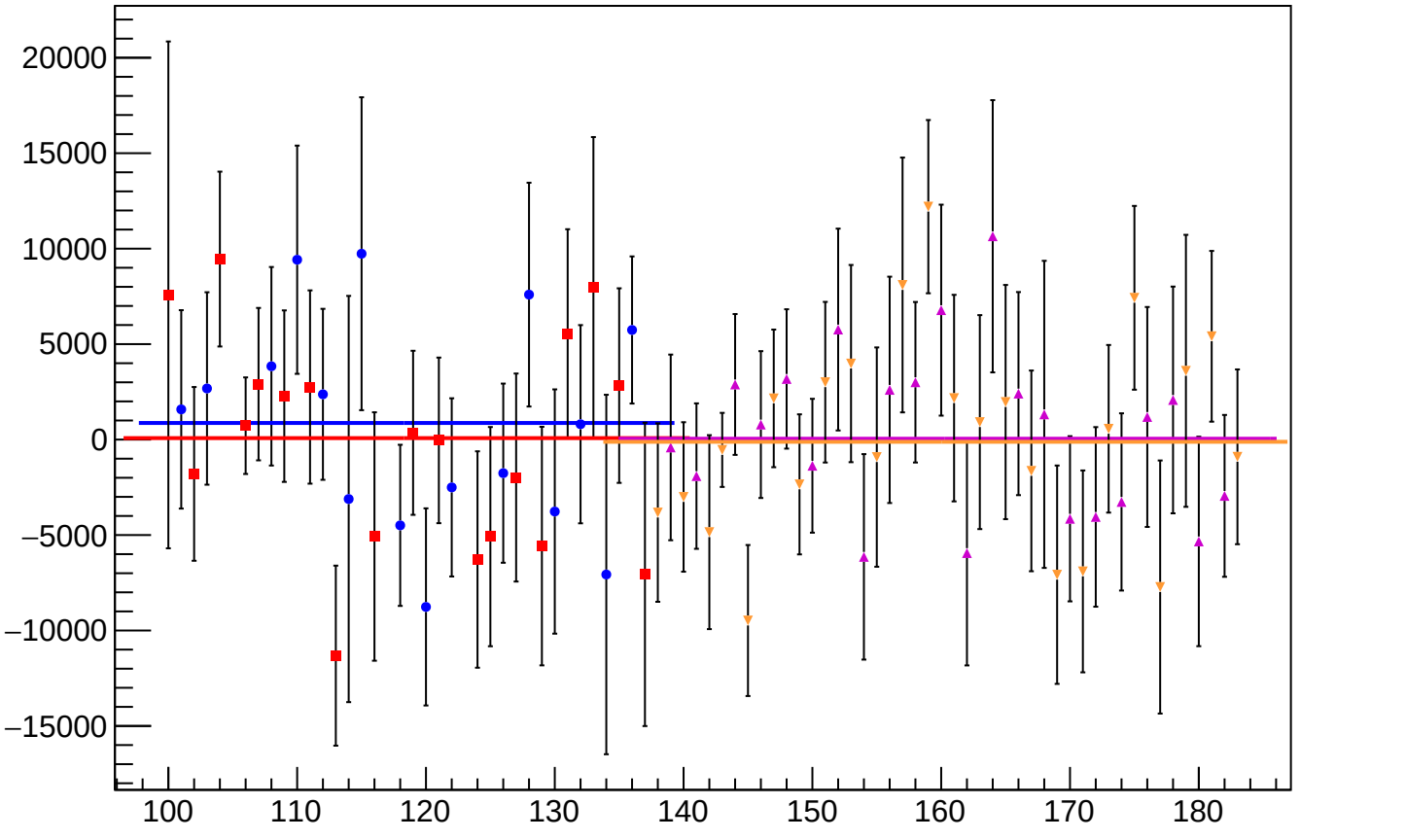
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

+ sign 1273.747+/-0.177 χ^2/NDF: 702735.6/39

All: 1271.612+/-0.126 χ^2/NDF: 1067804.1/80

- sign 1269.422+/-0.179 χ^2/NDF: 364772.7/40



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -115.787+/-892.046 χ^2/NDF:27.7/23

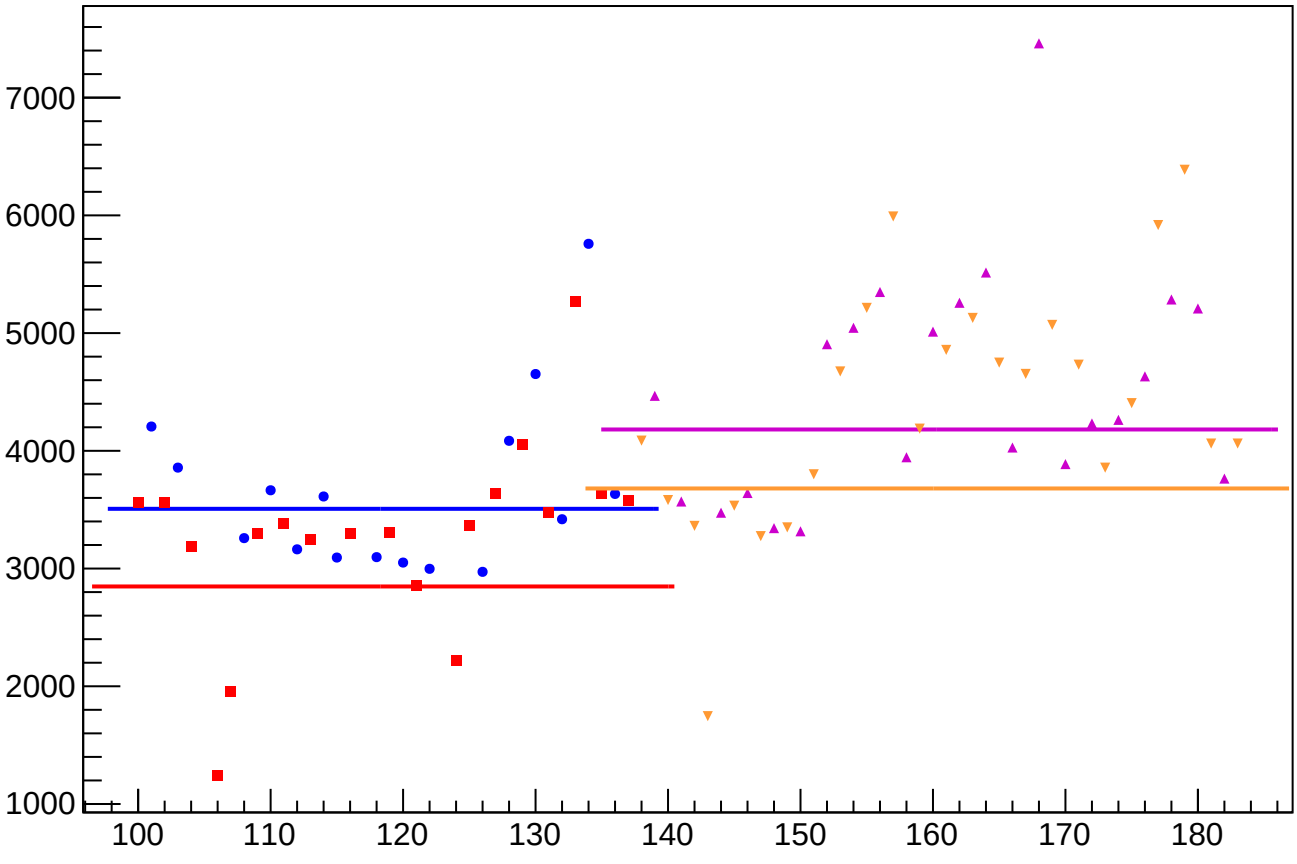
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 44.515+/-1005.631 χ^2/NDF:13.8/21

+ sign 191.673+/-740.022 χ^2/NDF: 42.1/39

All: 125.977+/-525.231 χ^2/NDF: 74.3/80

- sign 59.289+/-745.587 χ^2/NDF: 32.1/40



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3680.236+/-0.631 χ^2/NDF:3689489.6/23

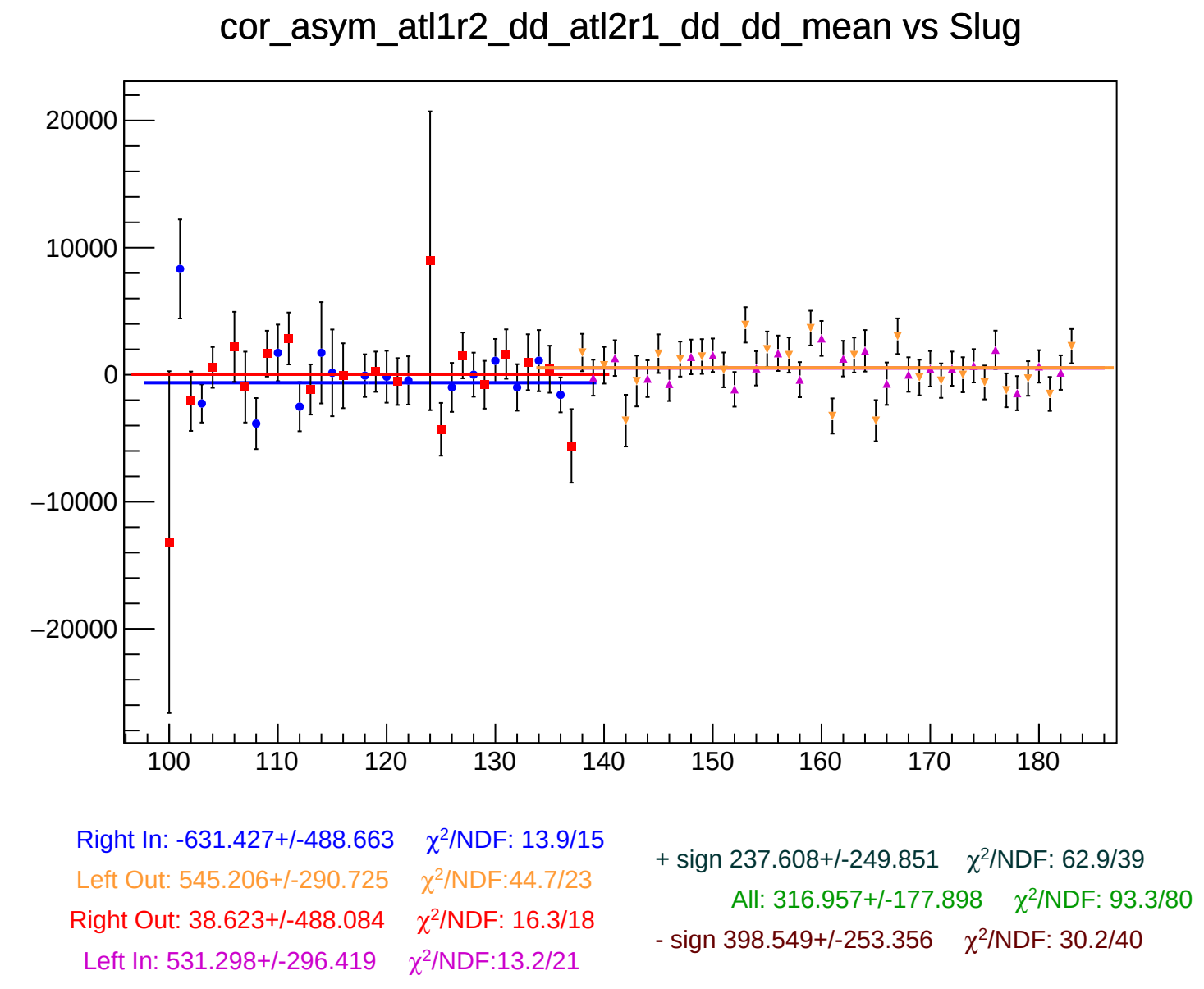
Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4181.302+/-0.711 χ^2/NDF:1269136.5/21

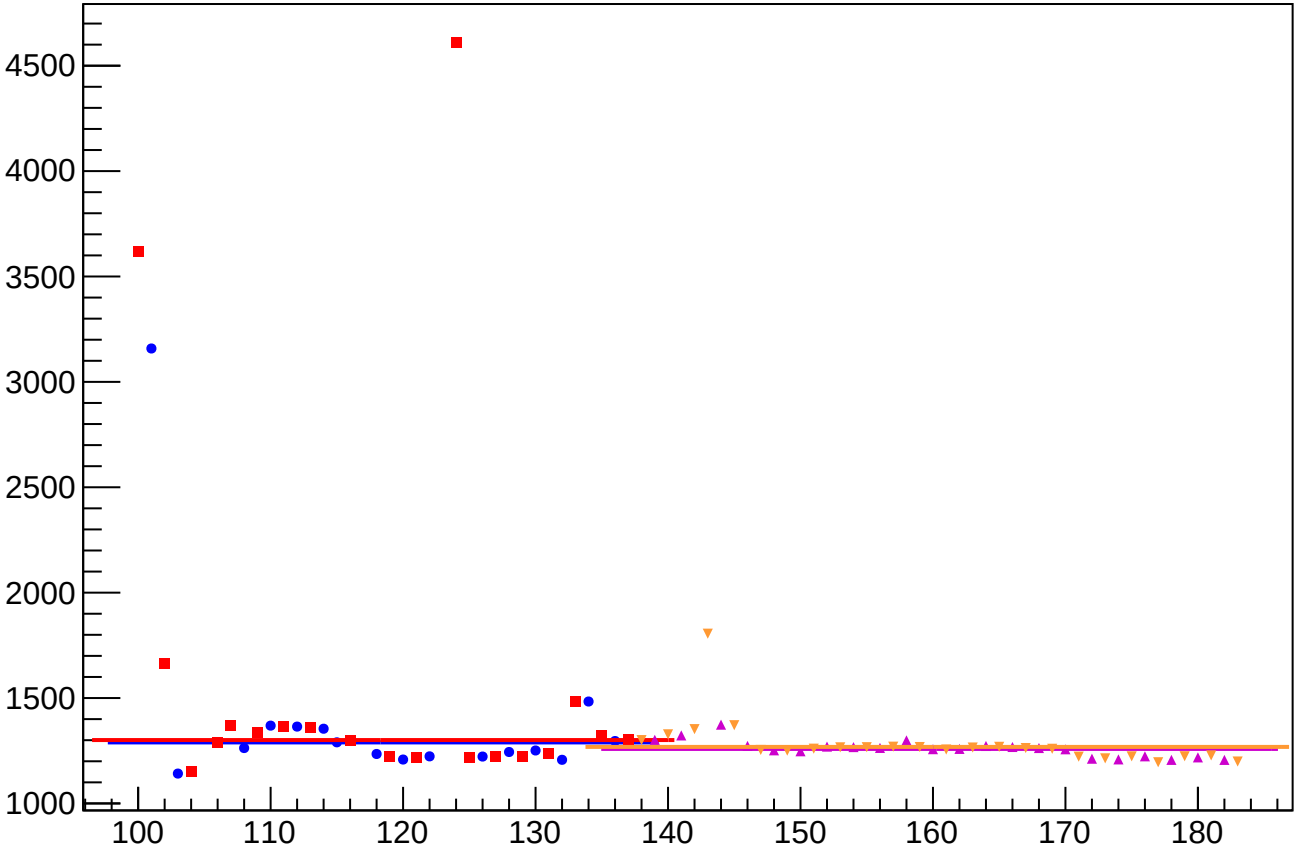
+ sign 3626.345+/-0.523 χ^2/NDF: 4066879.3/39

All: 3603.757+/-0.371 χ^2/NDF: 8422683.4/80

- sign 3580.829+/-0.527 χ^2/NDF: 4352049.5/40


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 545.206+/-290.725 χ²/NDF:44.7/23
Right Out: 38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 531.298+/-296.419 χ²/NDF:13.2/21
+ sign 237.608+/-249.851 χ²/NDF: 62.9/39
All: 316.957+/-177.898 χ²/NDF: 93.3/80
- sign 398.549+/-253.356 χ²/NDF: 30.2/40

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

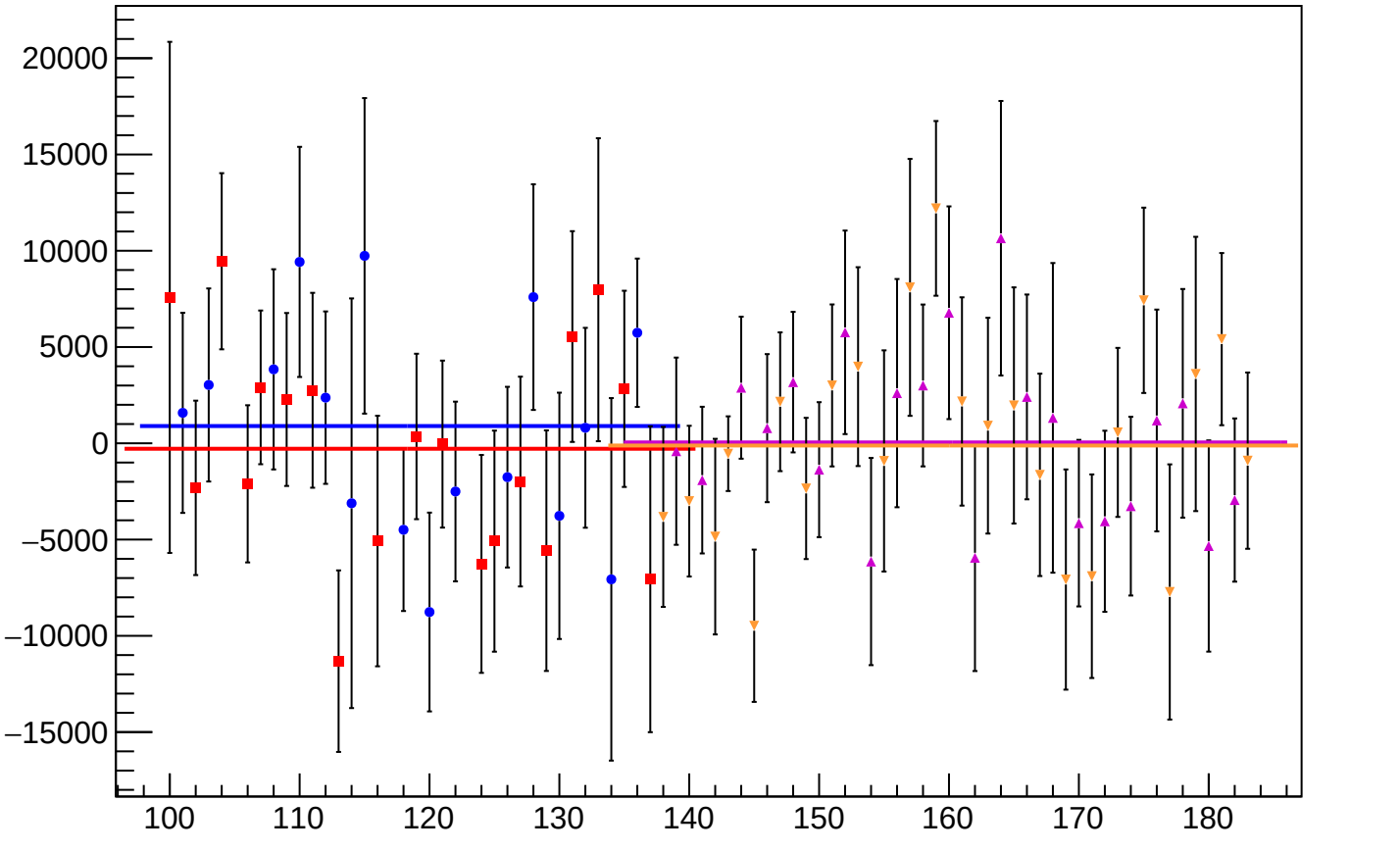
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80

- sign 1269.947+/-0.179 χ^2/NDF: 372310.3/40



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

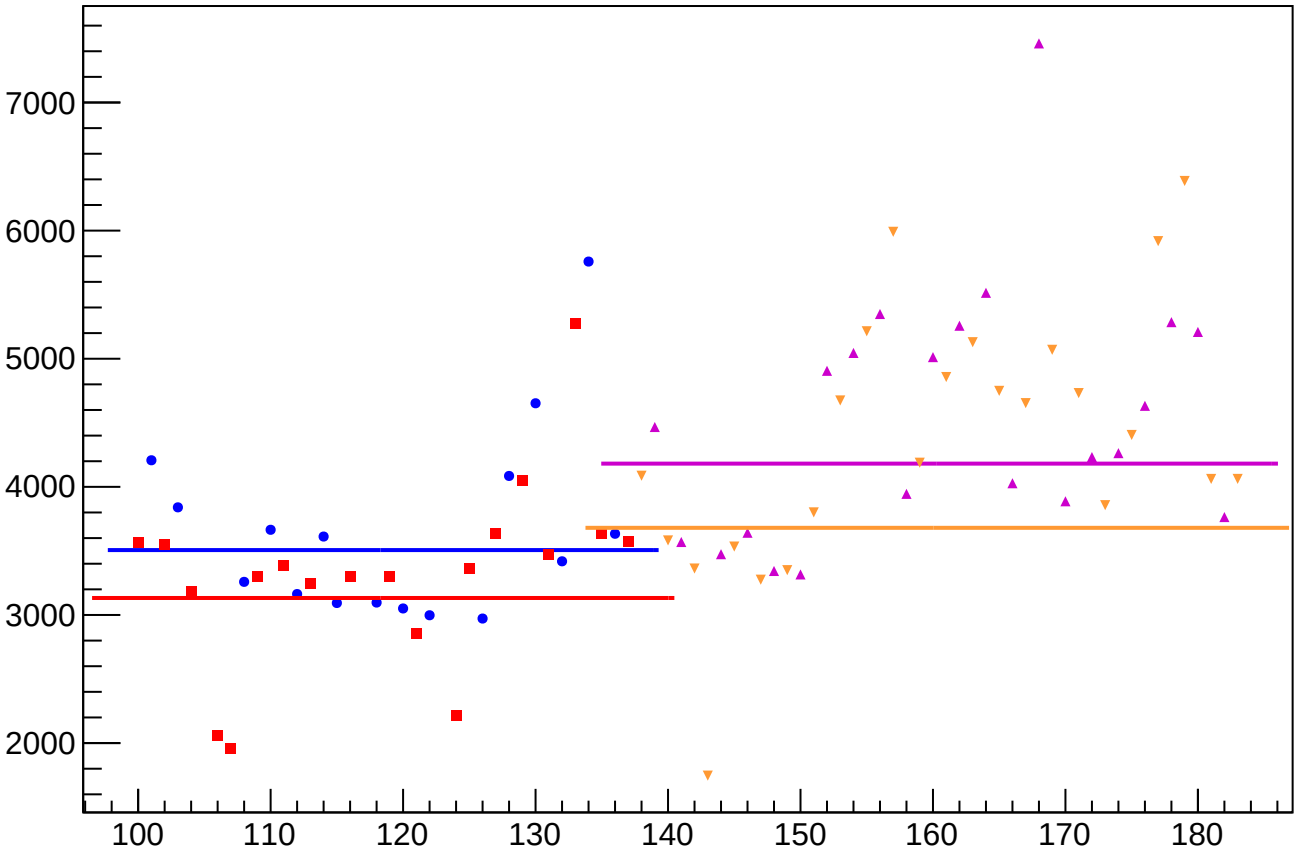
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 44.524+/-1005.630 χ^2/NDF:13.8/21

+ sign 199.889+/-739.942 χ^2/NDF: 42.2/39

All: 58.438+/-532.276 χ^2/NDF: 74.7/80

- sign -93.249+/-766.250 χ^2/NDF: 32.4/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

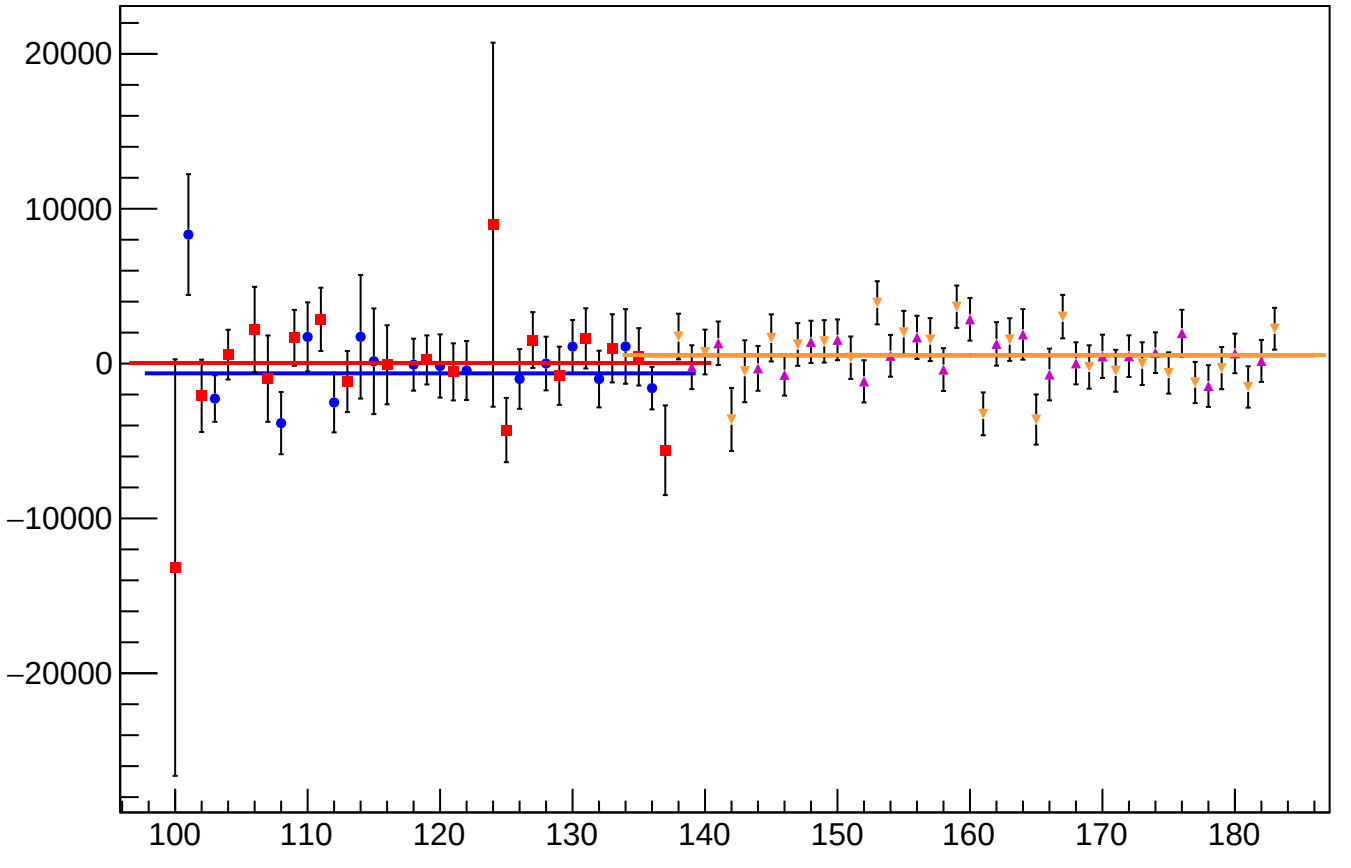
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

\+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80

\- sign 3741.450+/-0.542 χ^2/NDF: 2830988.2/40



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 545.206+/-290.725 χ^2/NDF:44.7/23

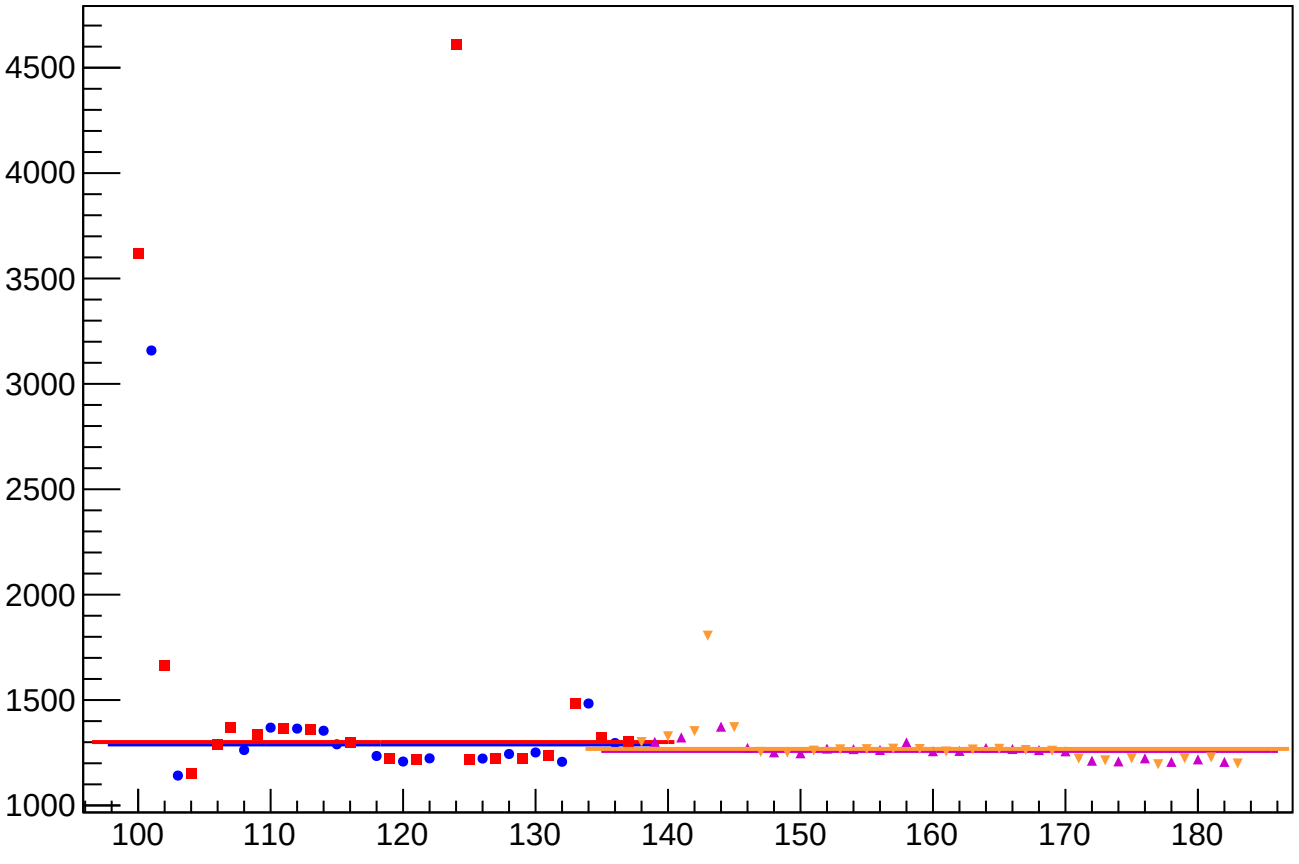
Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 531.298+/-296.419 χ^2/NDF:13.2/21

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 316.957+/-177.898 χ^2/NDF: 93.3/80

- sign 398.549+/-253.356 χ^2/NDF: 30.2/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1268.183+/-0.206 χ^2/NDF:185258.4/23

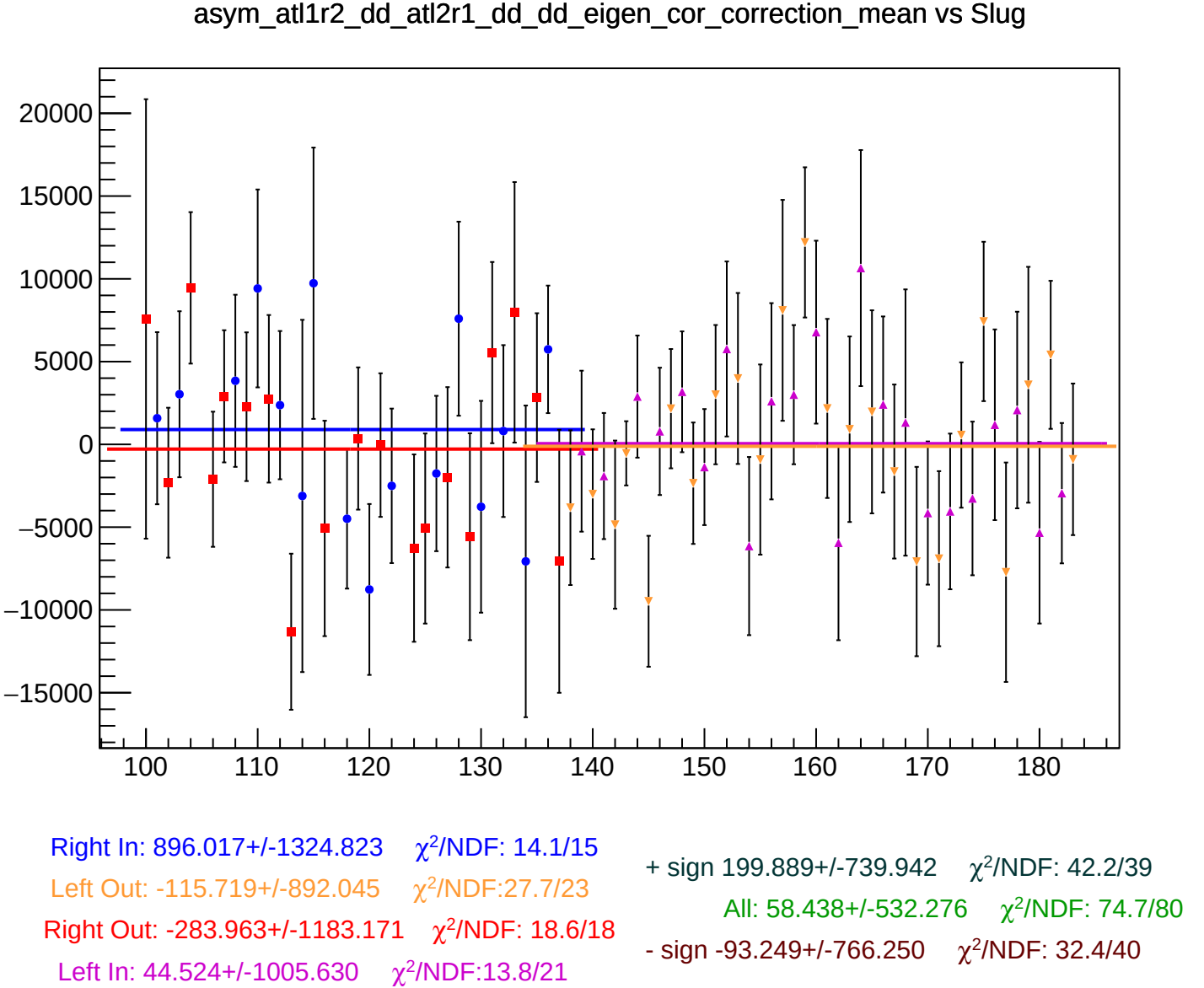
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

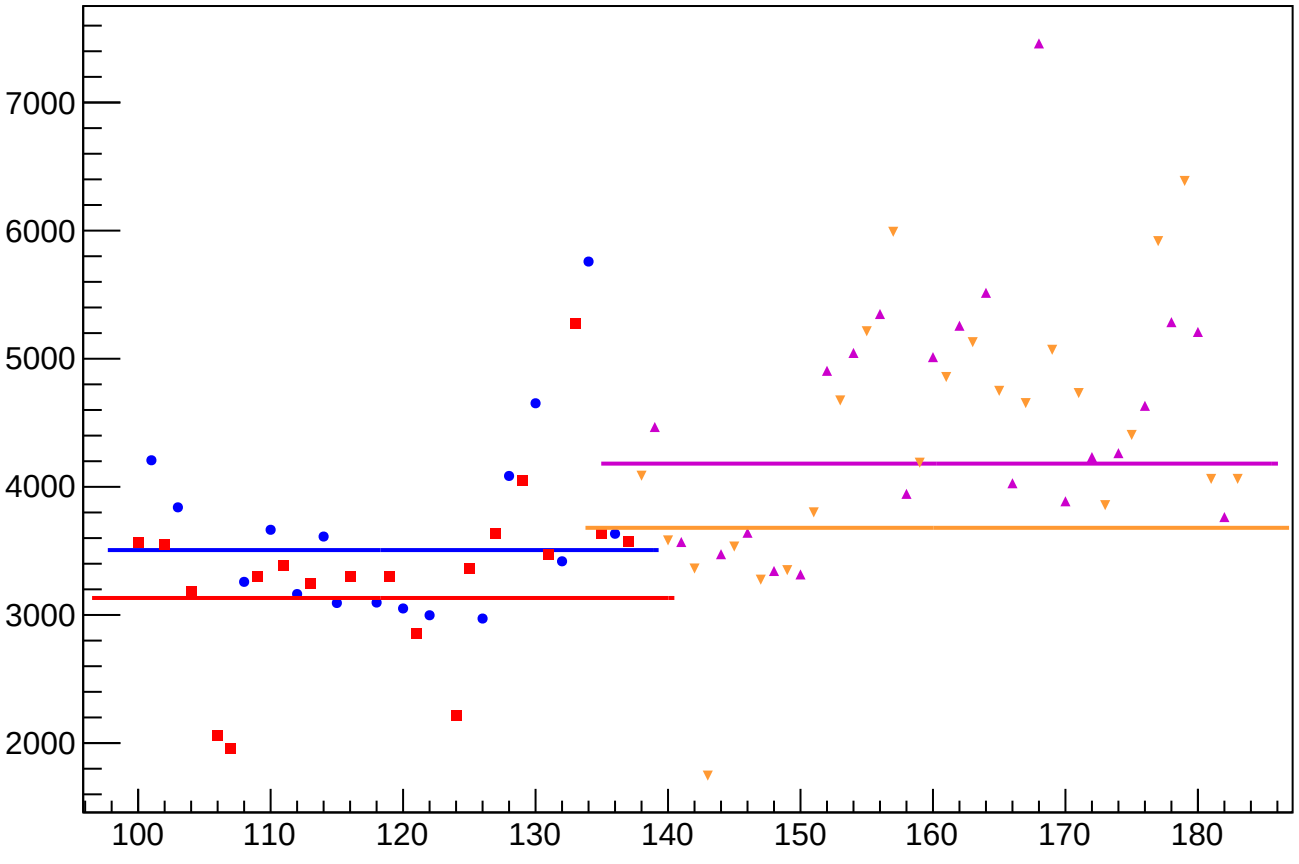
Left In: 1258.568+/-0.210 χ^2/NDF:35494.3/21

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.872+/-0.126 χ^2/NDF: 1075275.5/80

- sign 1269.947+/-0.179 χ^2/NDF: 372310.3/40


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -115.719+/-892.045 χ²/NDF:27.7/23
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 44.524+/-1005.630 χ²/NDF:13.8/21
+ sign 199.889+/-739.942 χ²/NDF: 42.2/39
All: 58.438+/-532.276 χ²/NDF: 74.7/80
- sign -93.249+/-766.250 χ²/NDF: 32.4/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

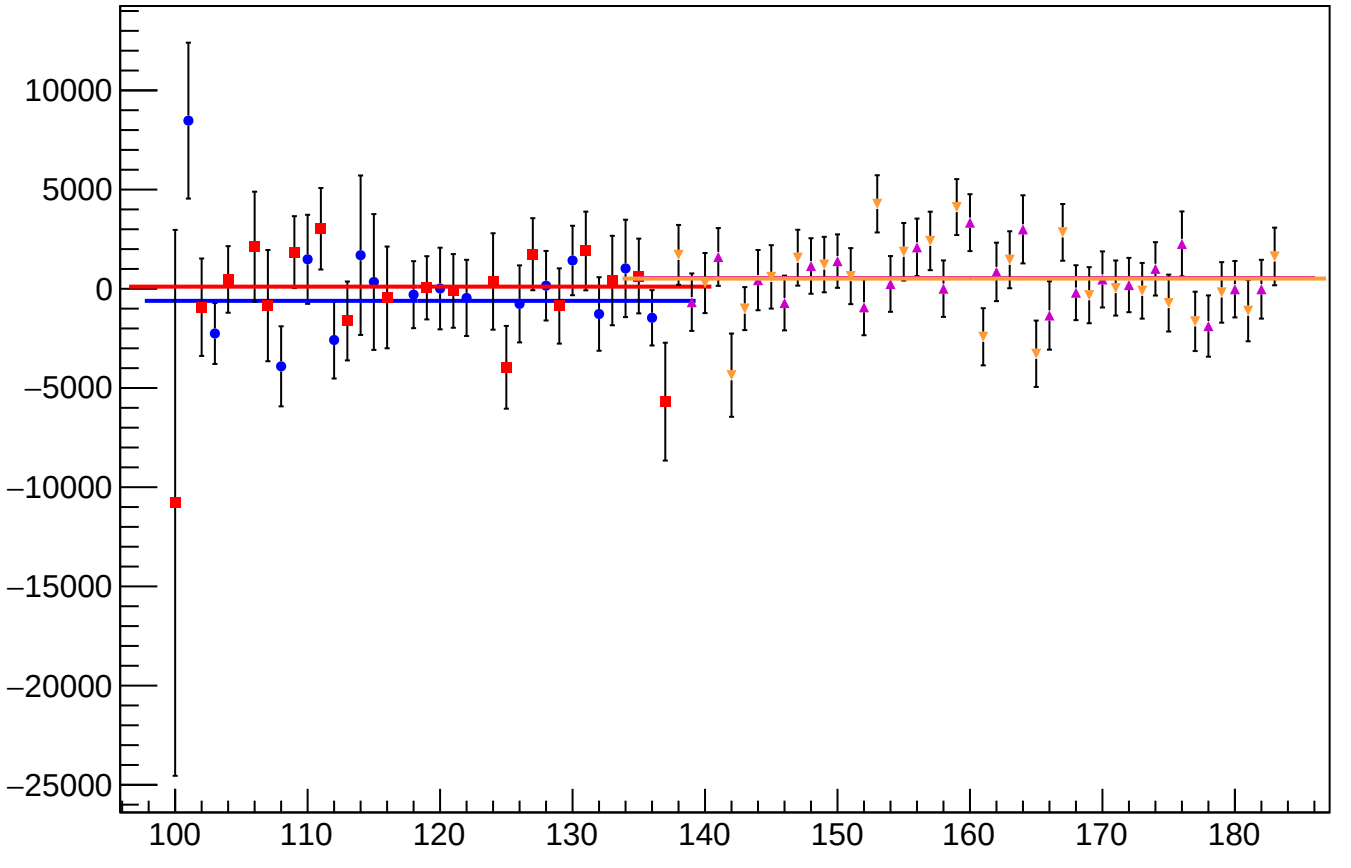
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4181.297+/-0.711 χ^2/NDF:1269133.7/21

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3681.725+/-0.376 χ^2/NDF: 6920905.5/80

- sign 3741.450+/-0.542 χ^2/NDF: 2830988.2/40



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.229+/-296.438 χ^2/NDF:42.4/23

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

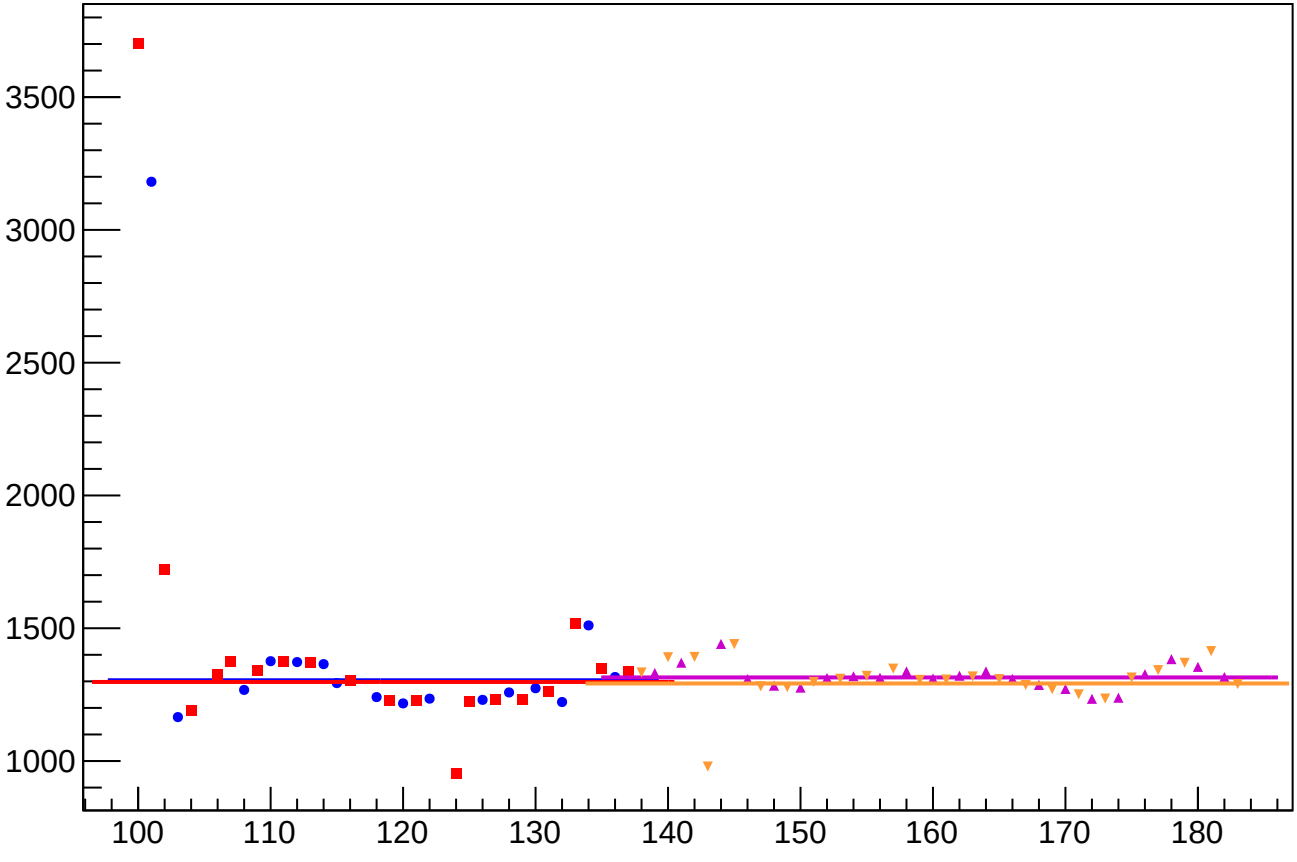
Left In: 542.806+/-309.764 χ^2/NDF:16.5/21

+ sign 217.318+/-254.210 χ^2/NDF: 60.3/39

All: 314.573+/-182.156 χ^2/NDF: 92.6/80

- sign 417.209+/-261.147 χ^2/NDF: 31.9/40

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1292.005+/-0.210 χ^2/NDF:229756.3/23

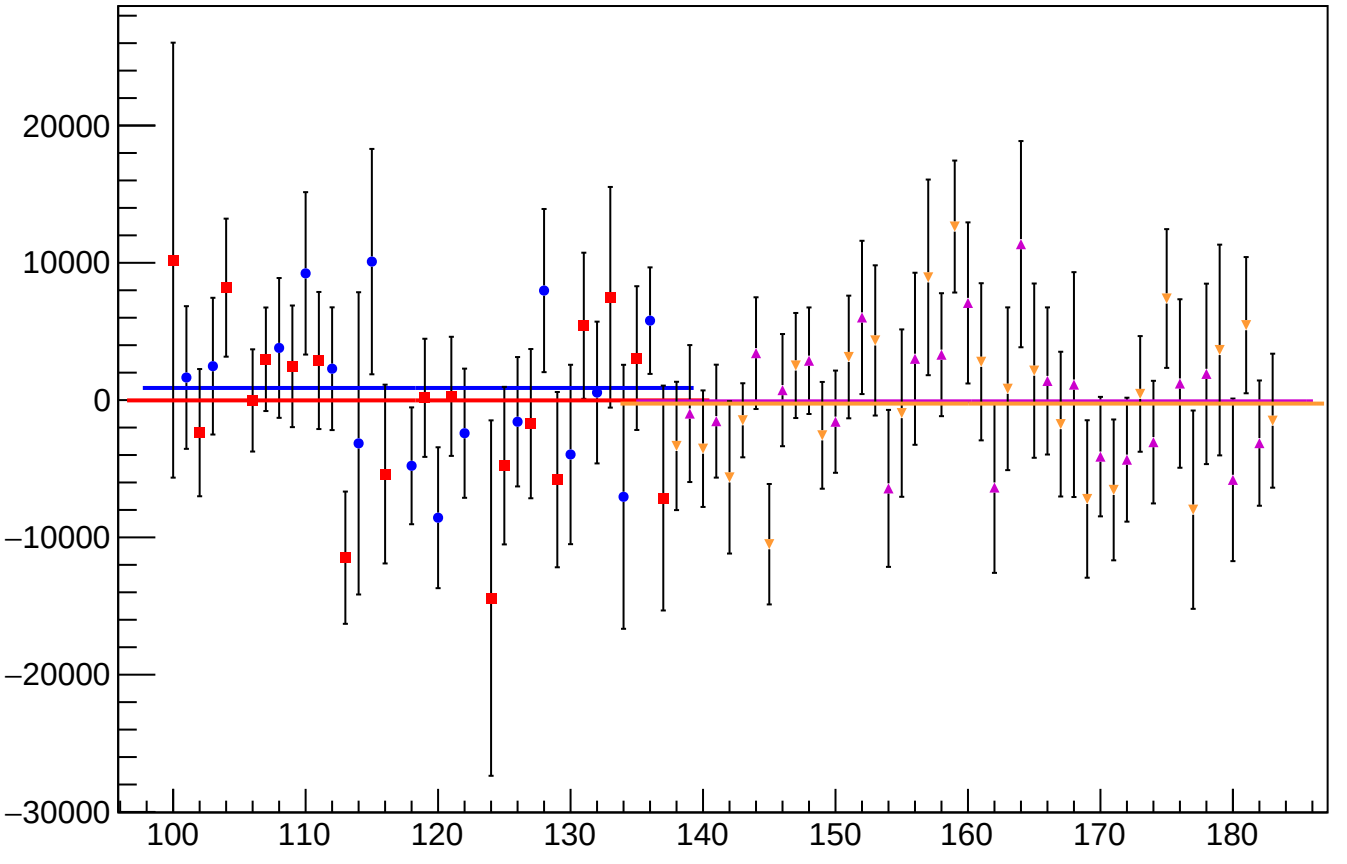
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.793+/-0.219 χ^2/NDF:42303.0/21

+ sign 1295.206+/-0.180 χ^2/NDF: 741227.2/39

All: 1302.343+/-0.129 χ^2/NDF: 1001609.9/80

- sign 1309.871+/-0.185 χ^2/NDF: 257143.5/40



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -254.197+/-983.675 χ^2/NDF:27.3/23

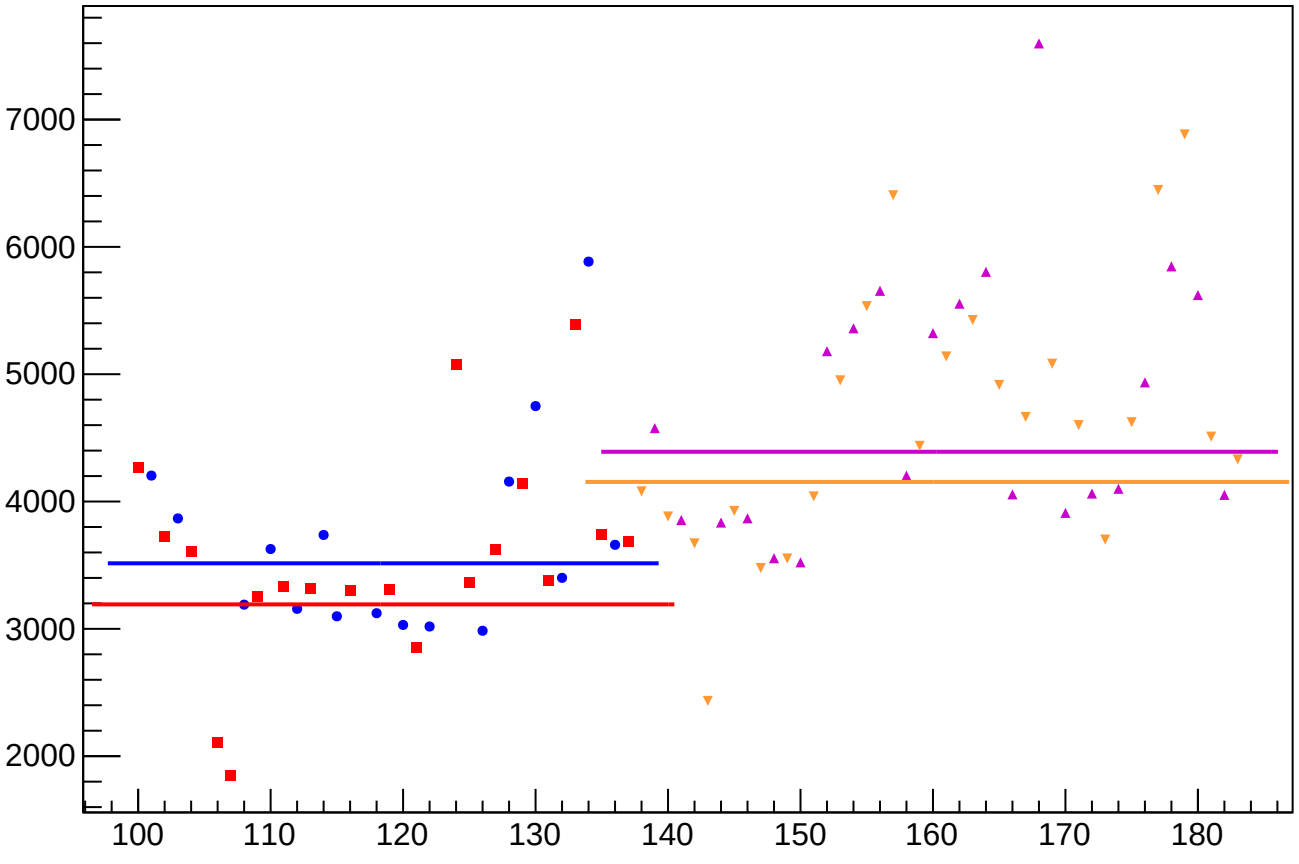
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -89.972+/-1055.954 χ^2/NDF:13.6/21

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 45.104+/-559.694 χ^2/NDF: 72.3/80

- sign -59.733+/-792.738 χ^2/NDF: 30.4/40



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

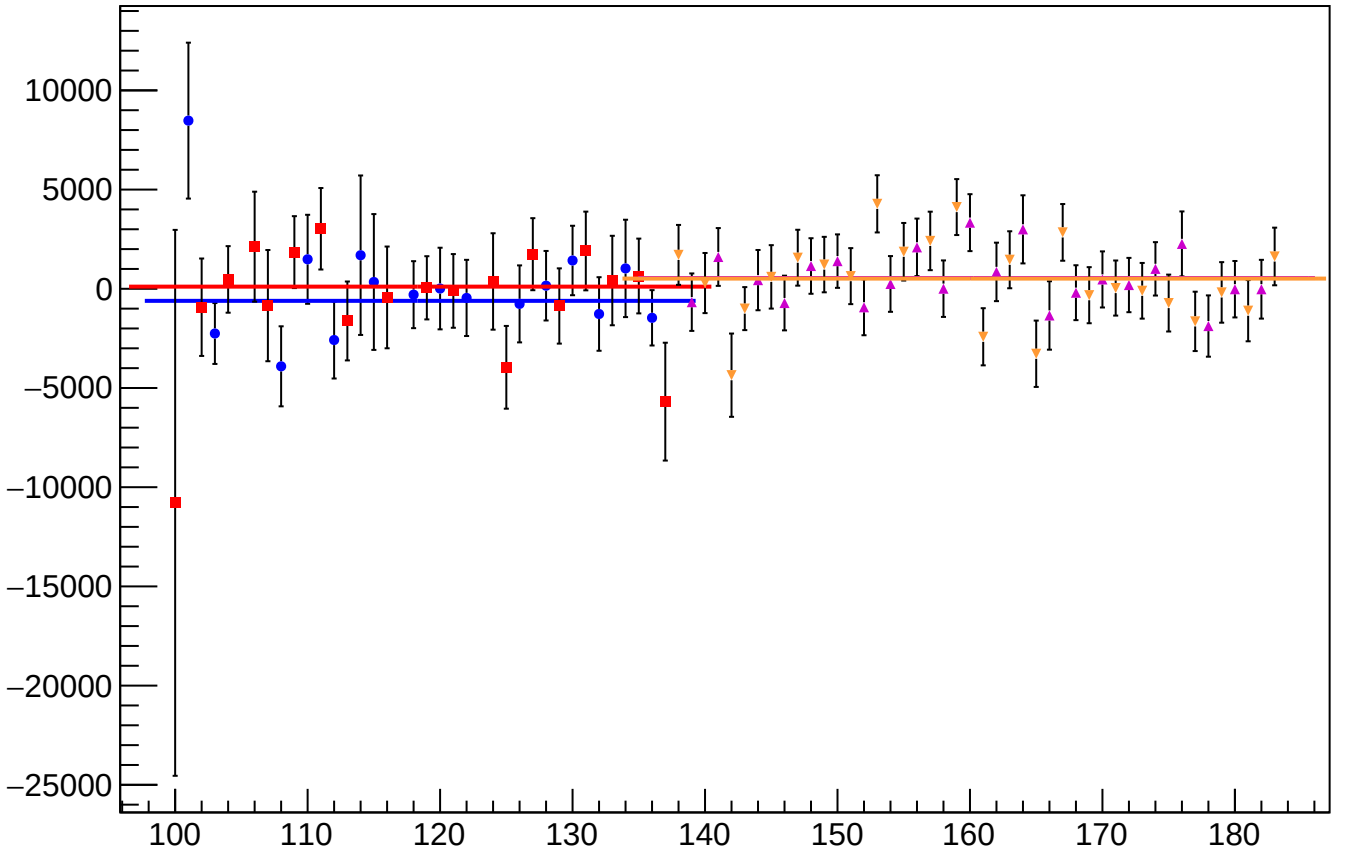
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4390.854+/-0.747 χ^2/NDF:1251583.3/21

+ sign 3927.415+/-0.559 χ^2/NDF: 2754274.0/39

All: 3897.679+/-0.396 χ^2/NDF: 5908668.6/80

- sign 3867.761+/-0.561 χ^2/NDF: 3148714.6/40



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.232+/-296.438 χ^2/NDF:42.4/23

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

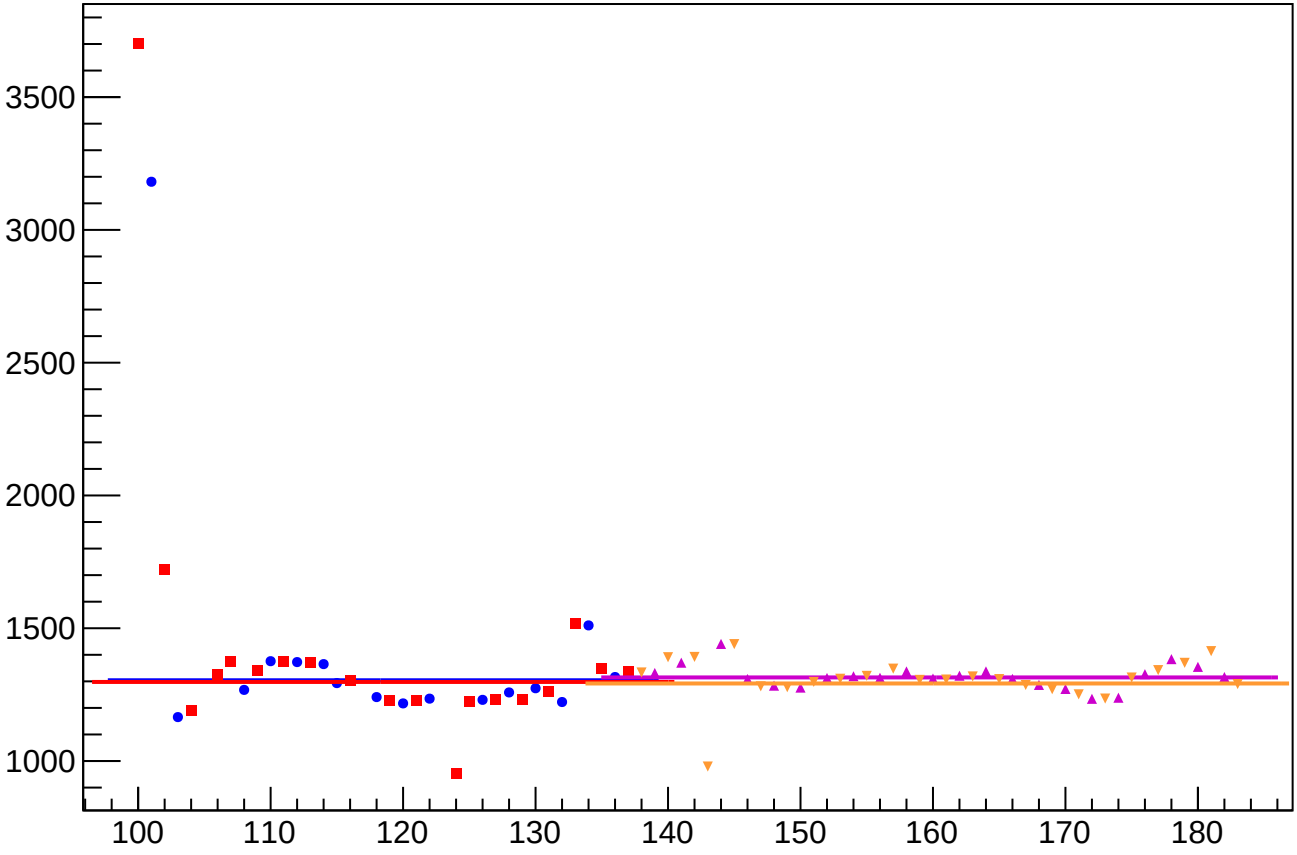
Left In: 542.806+/-309.764 χ^2/NDF:16.5/21

+ sign 217.319+/-254.210 χ^2/NDF: 60.3/39

All: 314.575+/-182.157 χ^2/NDF: 92.6/80

- sign 417.211+/-261.147 χ^2/NDF: 31.9/40

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.006+/-0.210 χ^2/NDF:229758.9/23

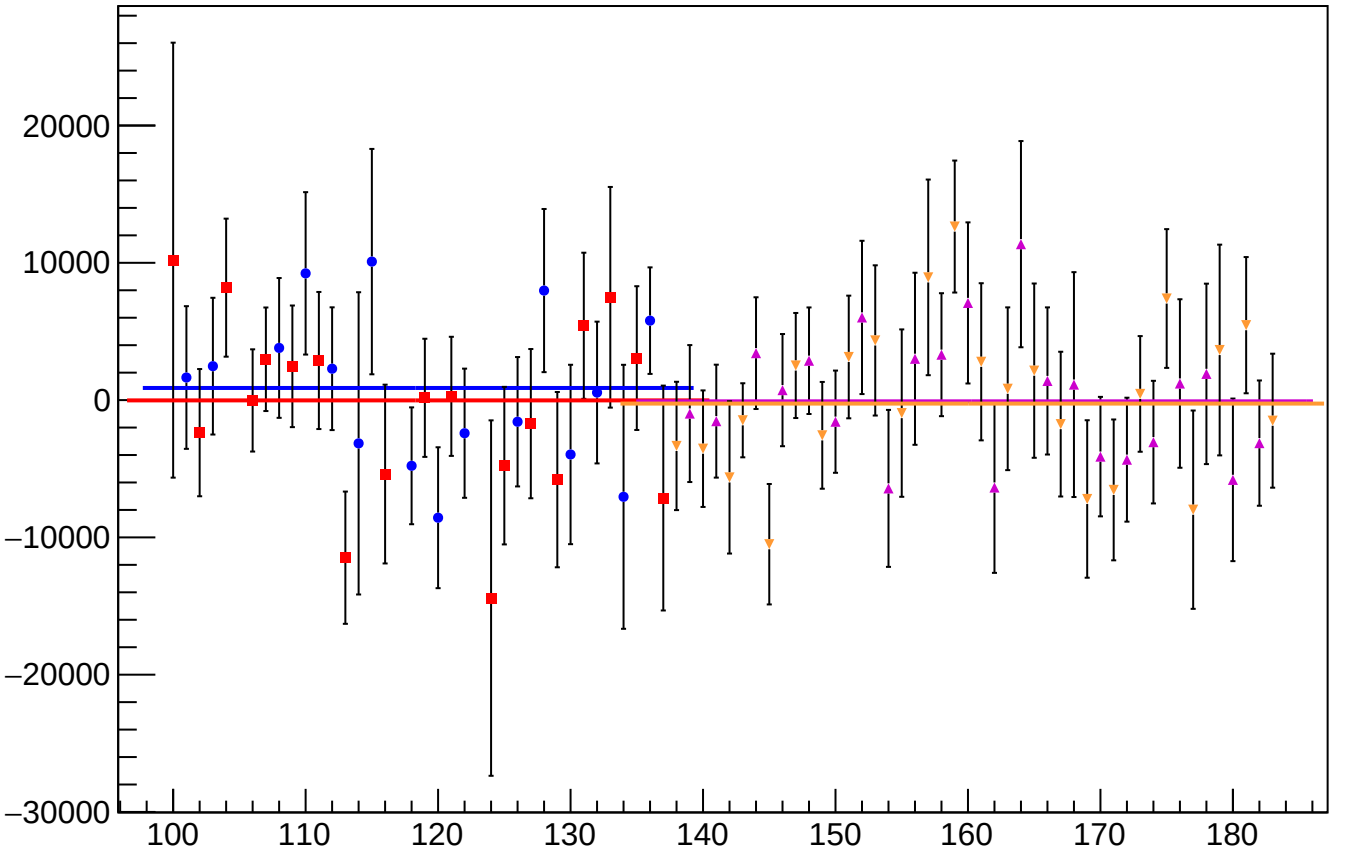
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.794+/-0.219 χ^2/NDF:42305.1/21

+ sign 1295.207+/-0.180 χ^2/NDF: 741229.6/39

All: 1302.344+/-0.129 χ^2/NDF: 1001614.9/80

- sign 1309.872+/-0.185 χ^2/NDF: 257146.0/40



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

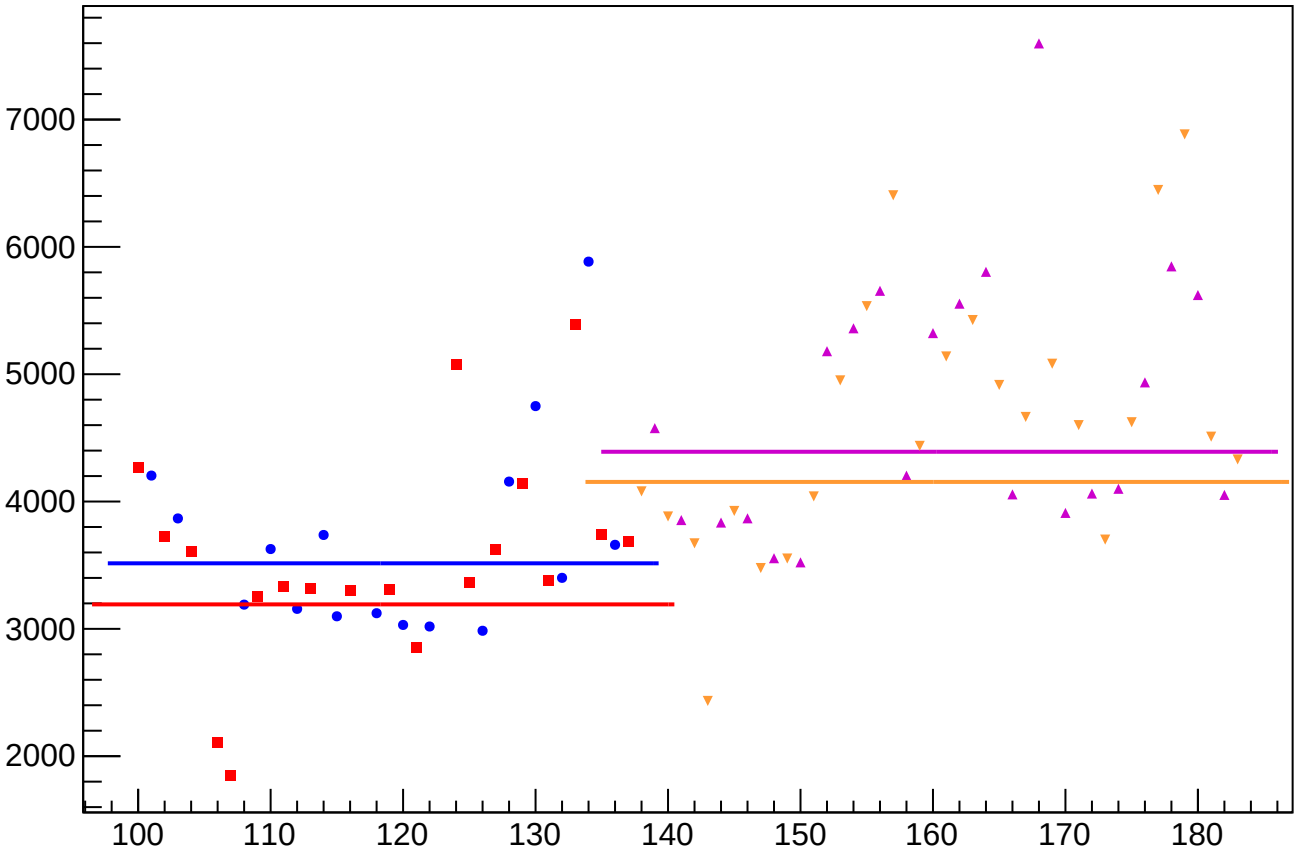
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -89.973+/-1055.956 χ^2/NDF:13.6/21

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 45.105+/-559.694 χ^2/NDF: 72.3/80

- sign -59.732+/-792.738 χ^2/NDF: 30.4/40



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4154.044+/-0.696 χ^2/NDF:2079744.9/23

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

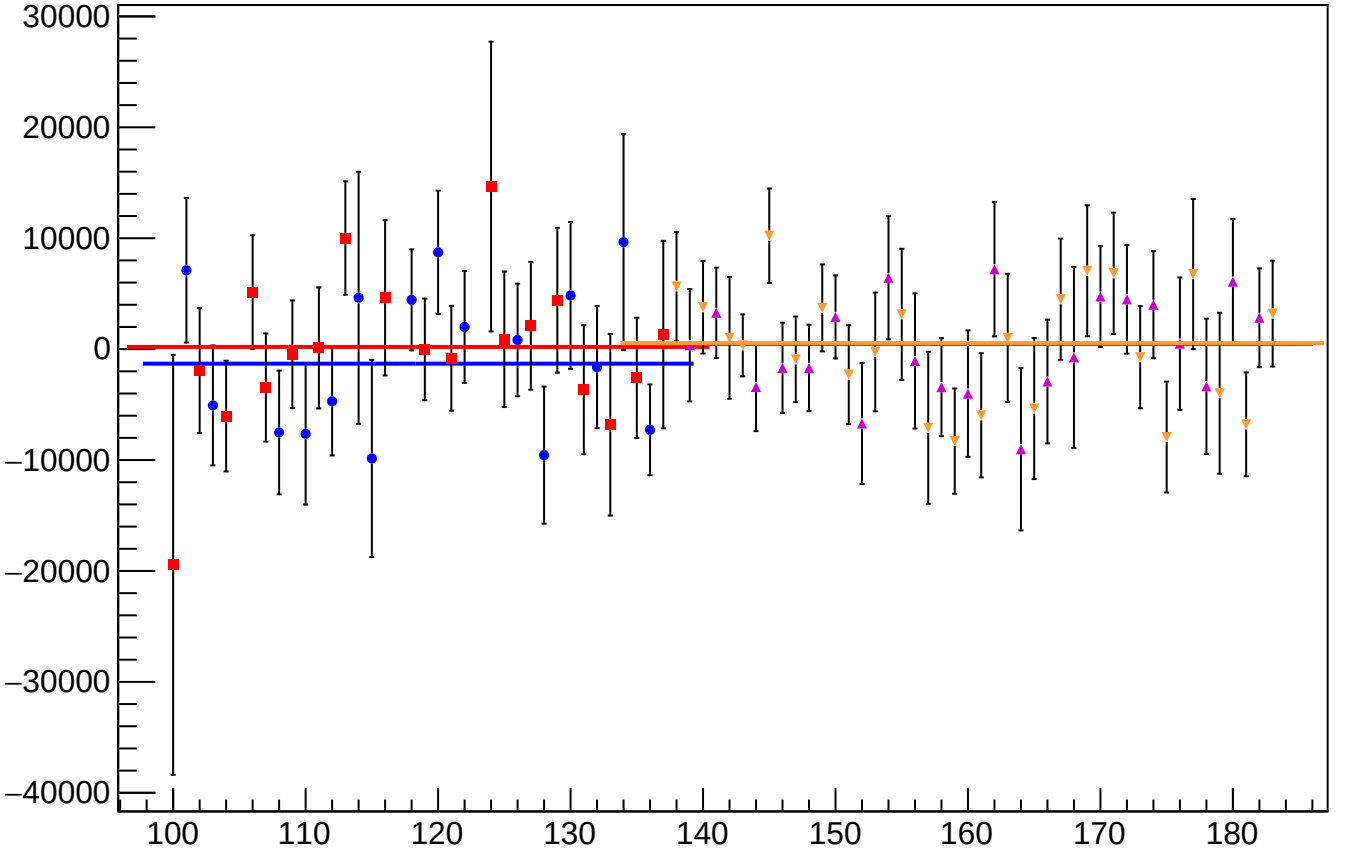
Left In: 4390.861+/-0.747 χ^2/NDF:1251587.6/21

\+ sign 3927.415+/-0.559 χ^2/NDF: 2754296.2/39

All: 3897.678+/-0.396 χ^2/NDF: 5908726.3/80

\- sign 3867.759+/-0.561 χ^2/NDF: 3148749.7/40

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 544.185+/-986.773 χ^2/NDF:25.2/23

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

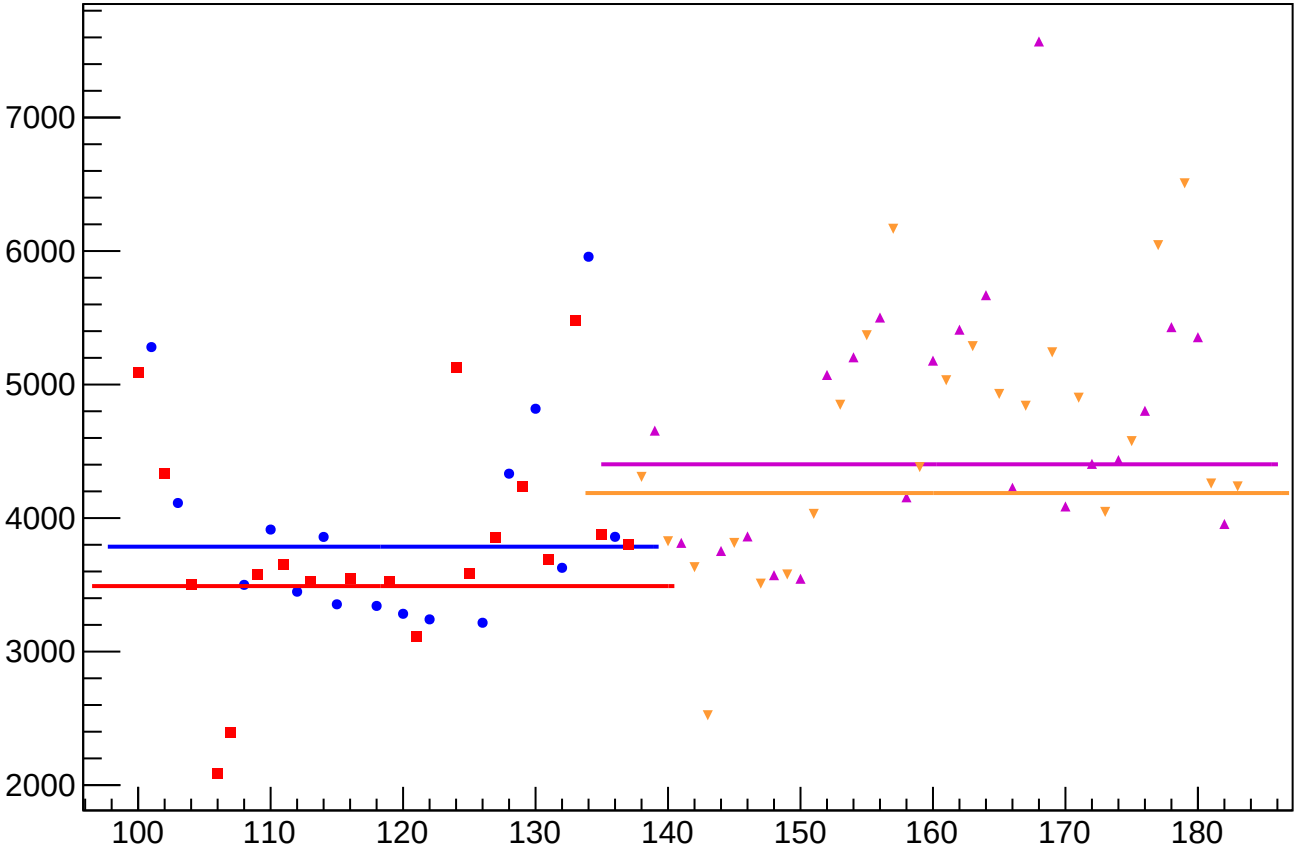
Left In: 465.712+/-1055.508 χ^2/NDF:13.8/21

+ sign -52.793+/-812.471 χ^2/NDF: 43.9/39

All: 151.706+/-579.996 χ^2/NDF: 69.6/80

- sign 364.216+/-828.232 χ^2/NDF: 25.5/40

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.415+/-0.698 χ^2/NDF:1796318.2/23

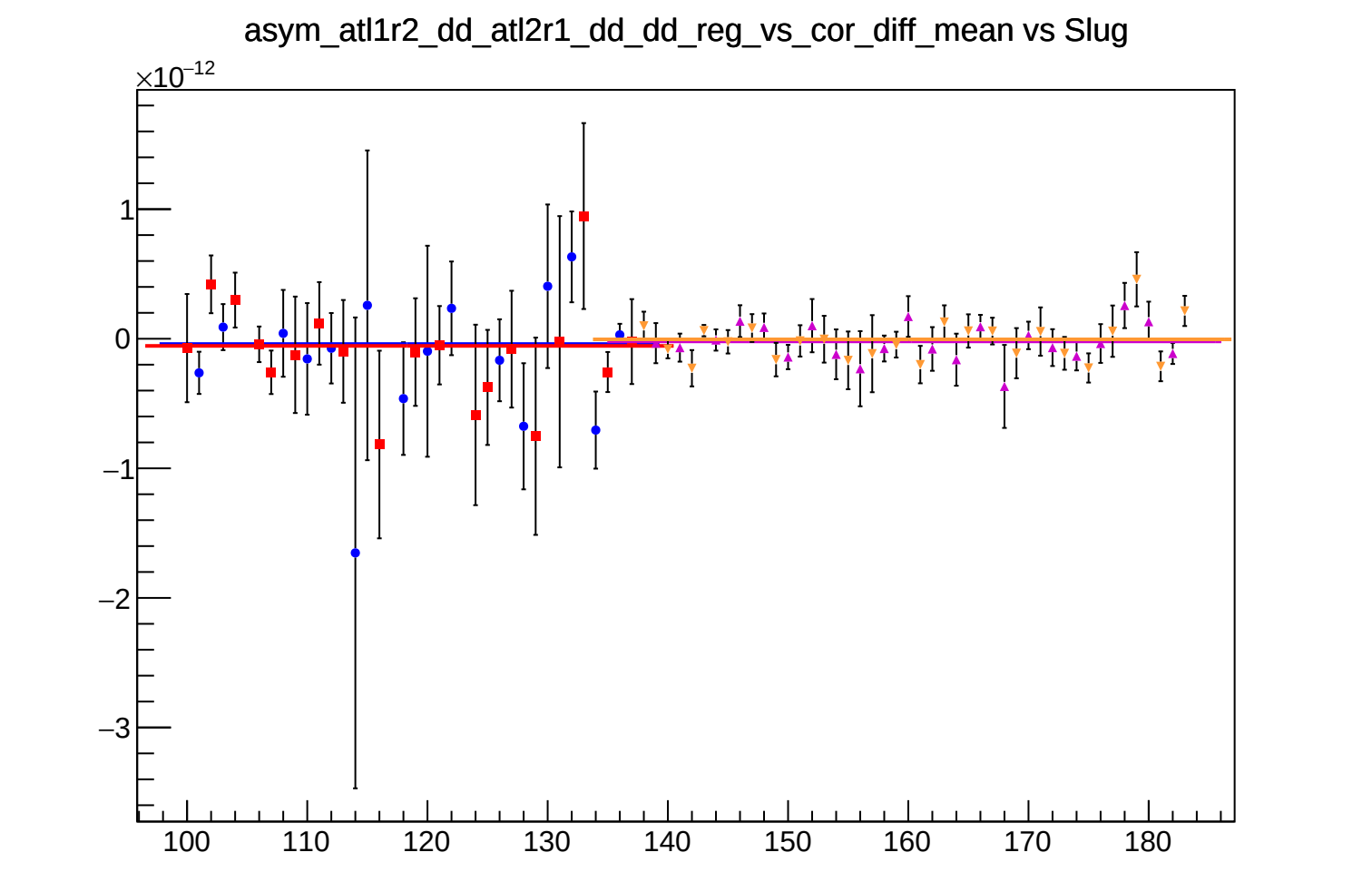
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4402.755+/-0.746 χ^2/NDF:1082128.6/21

+ sign 4058.054+/-0.575 χ^2/NDF: 2286028.2/39

All: 4052.254+/-0.409 χ^2/NDF: 4538771.4/80

- sign 4046.291+/-0.583 χ^2/NDF: 2252536.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/23

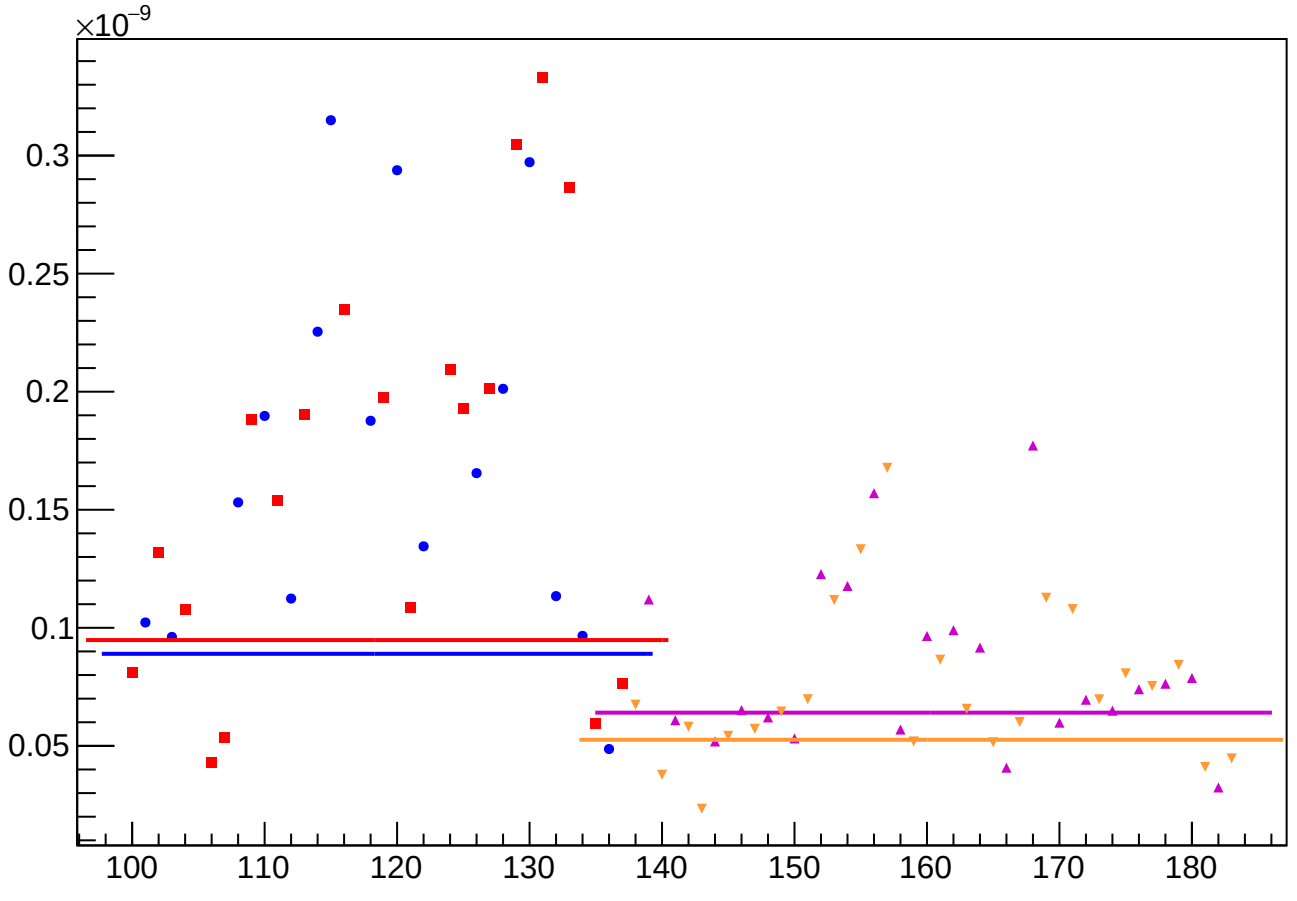
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/39

All: -0.000+/-0.000 χ^2/NDF: 80.6/80

- sign -0.000+/-0.000 χ^2/NDF: 33.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2623647.7/23

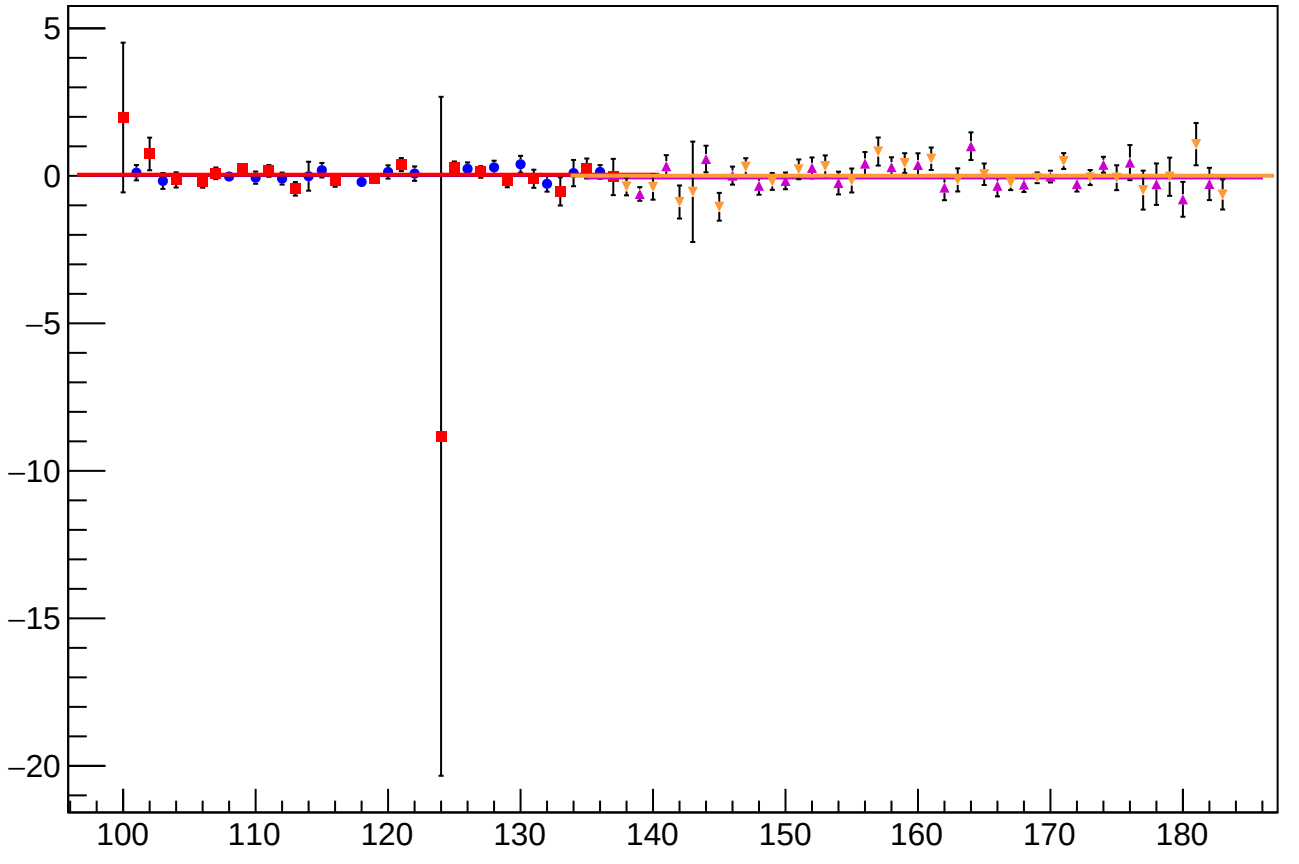
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1736248.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 4750374.6/39

All: 0.000+/-0.000 χ^2/NDF: 8867885.1/80

- sign 0.000+/-0.000 χ^2/NDF: 3865170.8/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

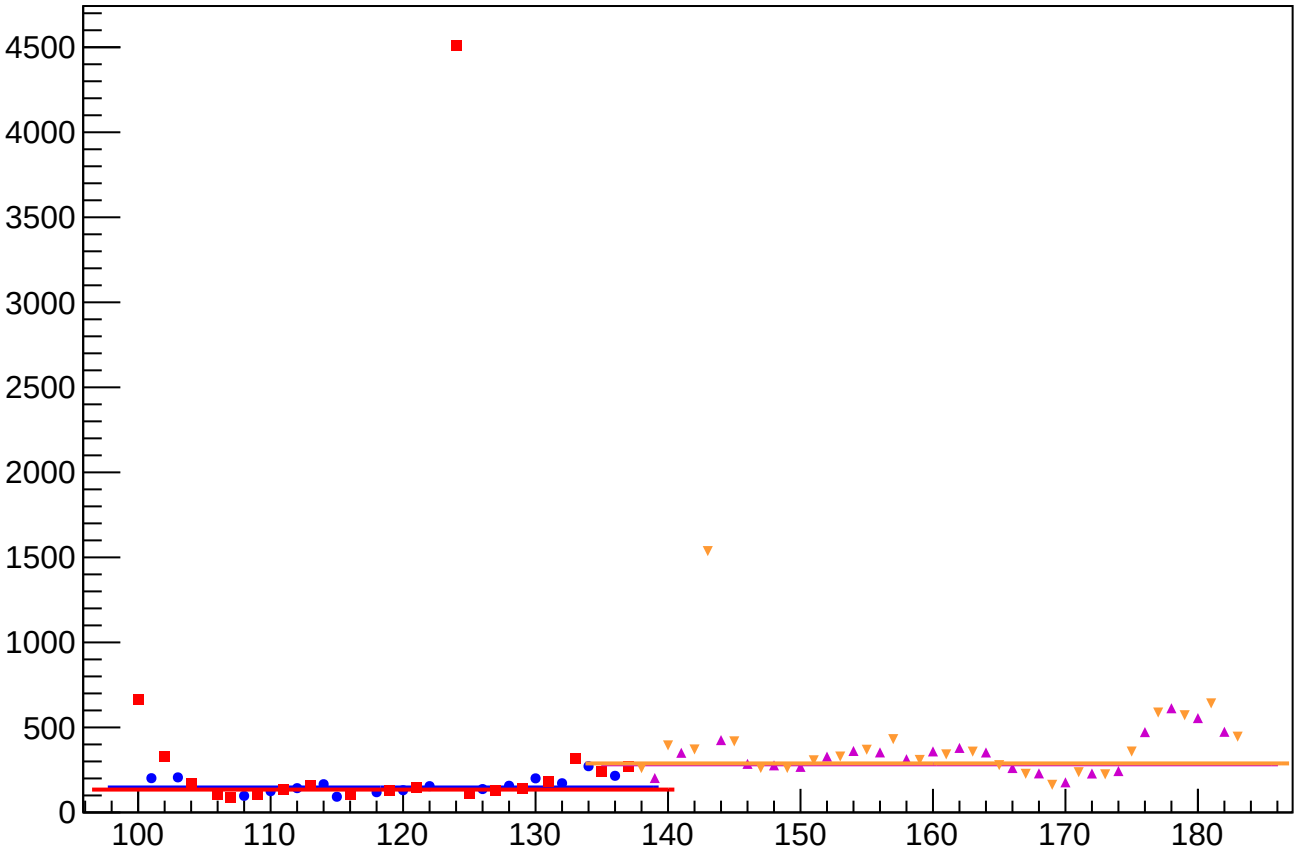
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

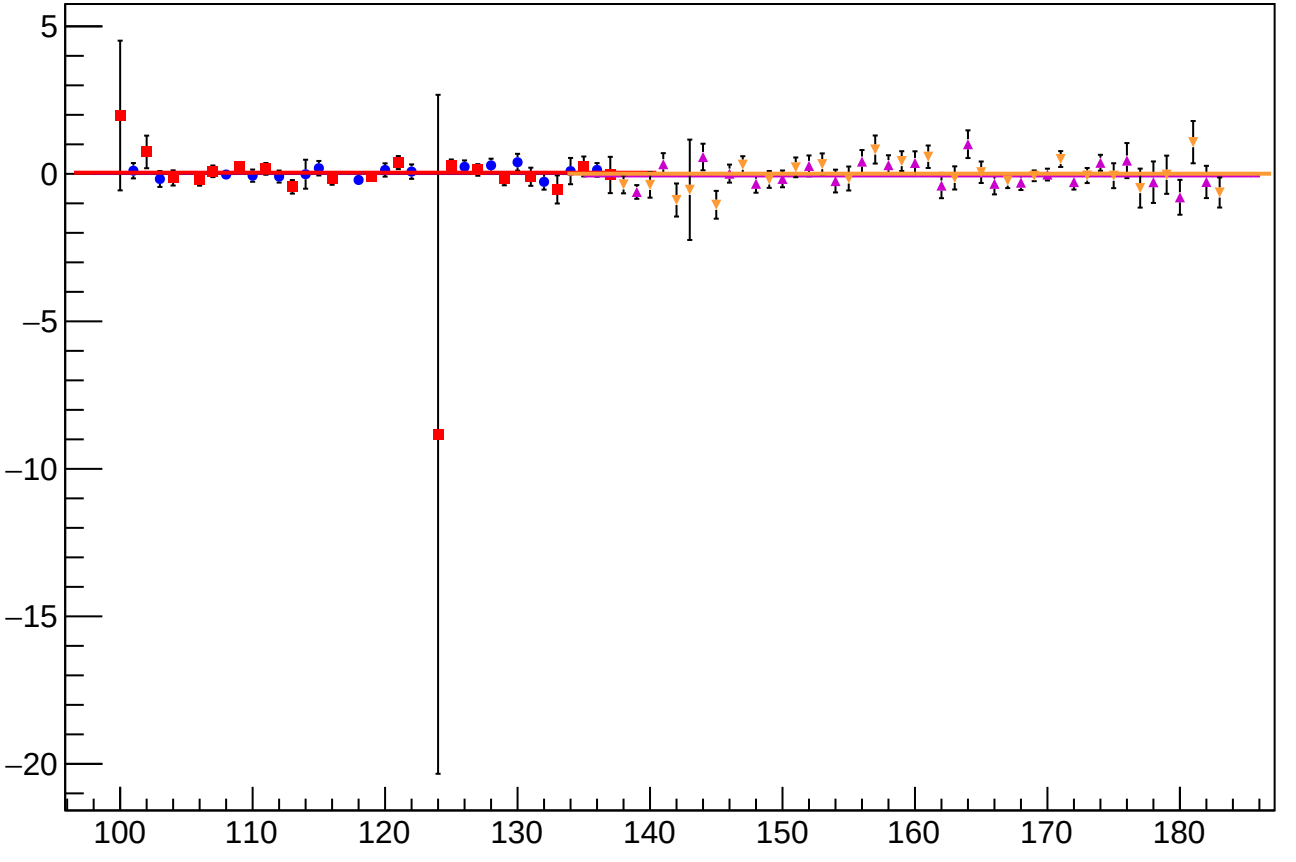
Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80

- sign 190.222+/-0.031 χ^2/NDF: 10156087.9/40

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

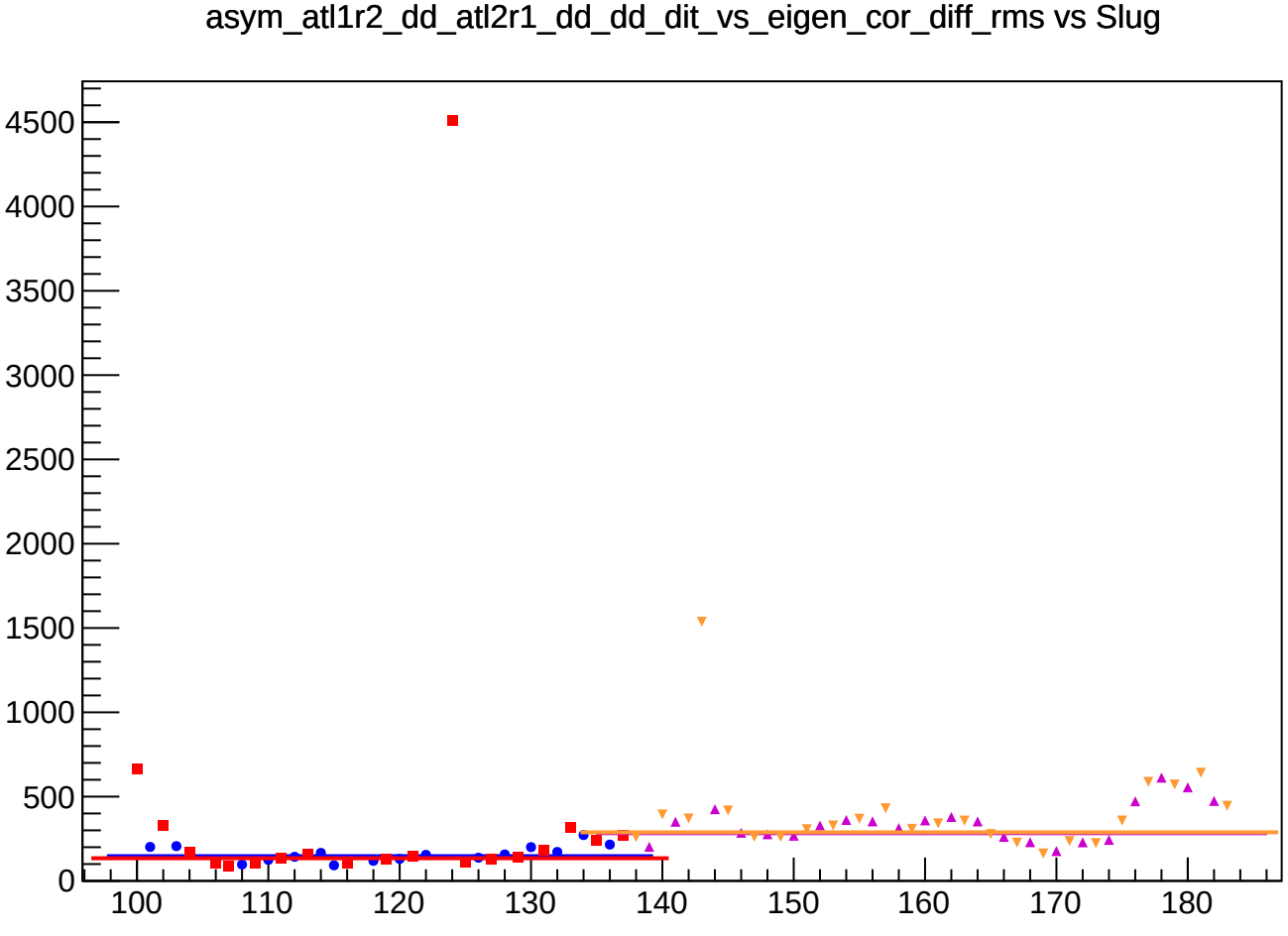
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

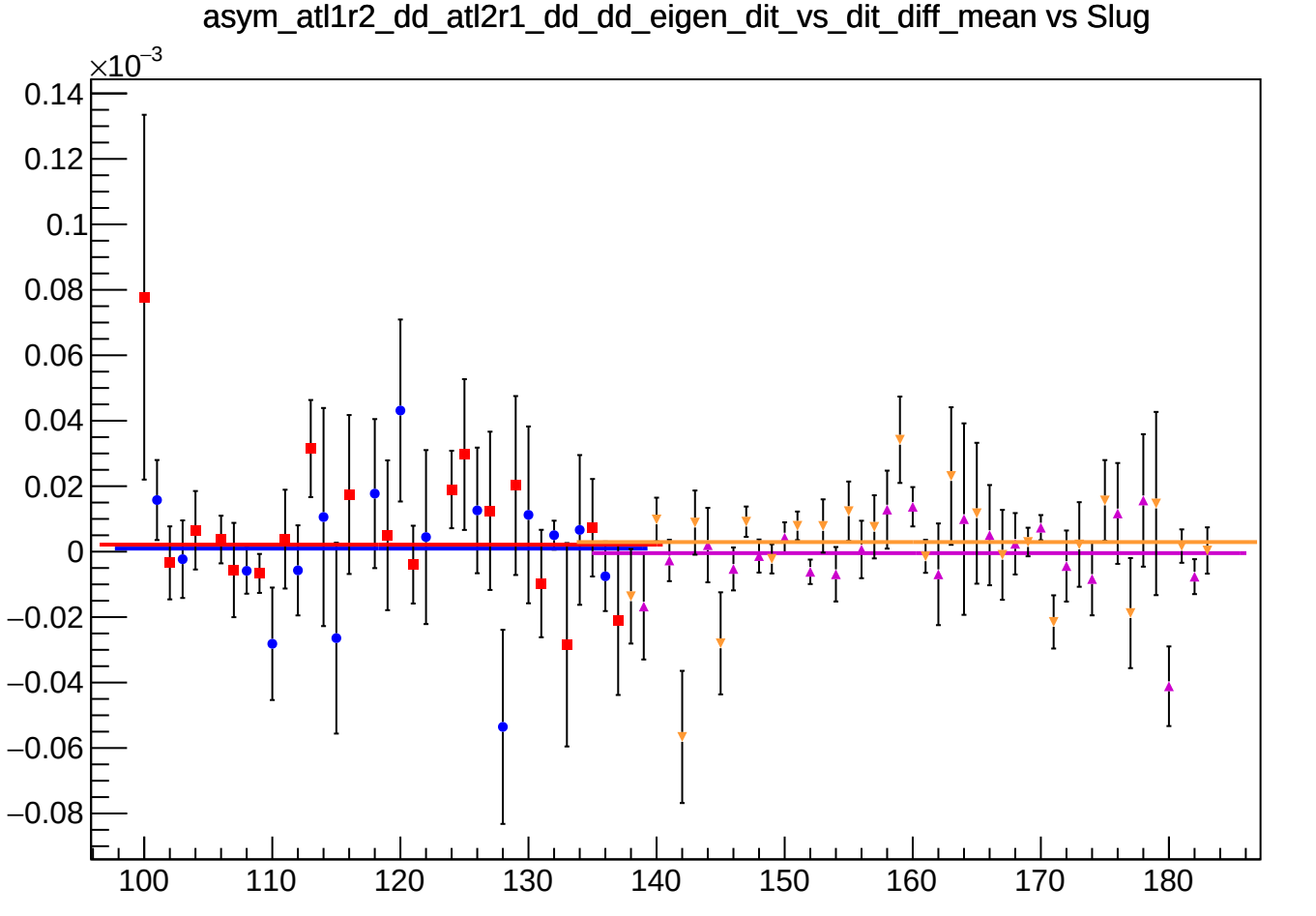
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 283.124+/-0.050 χ^2/NDF:3030589.5/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.246+/-0.022 χ^2/NDF: 20621452.0/80

- sign 190.222+/-0.031 χ^2/NDF: 10156087.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/23

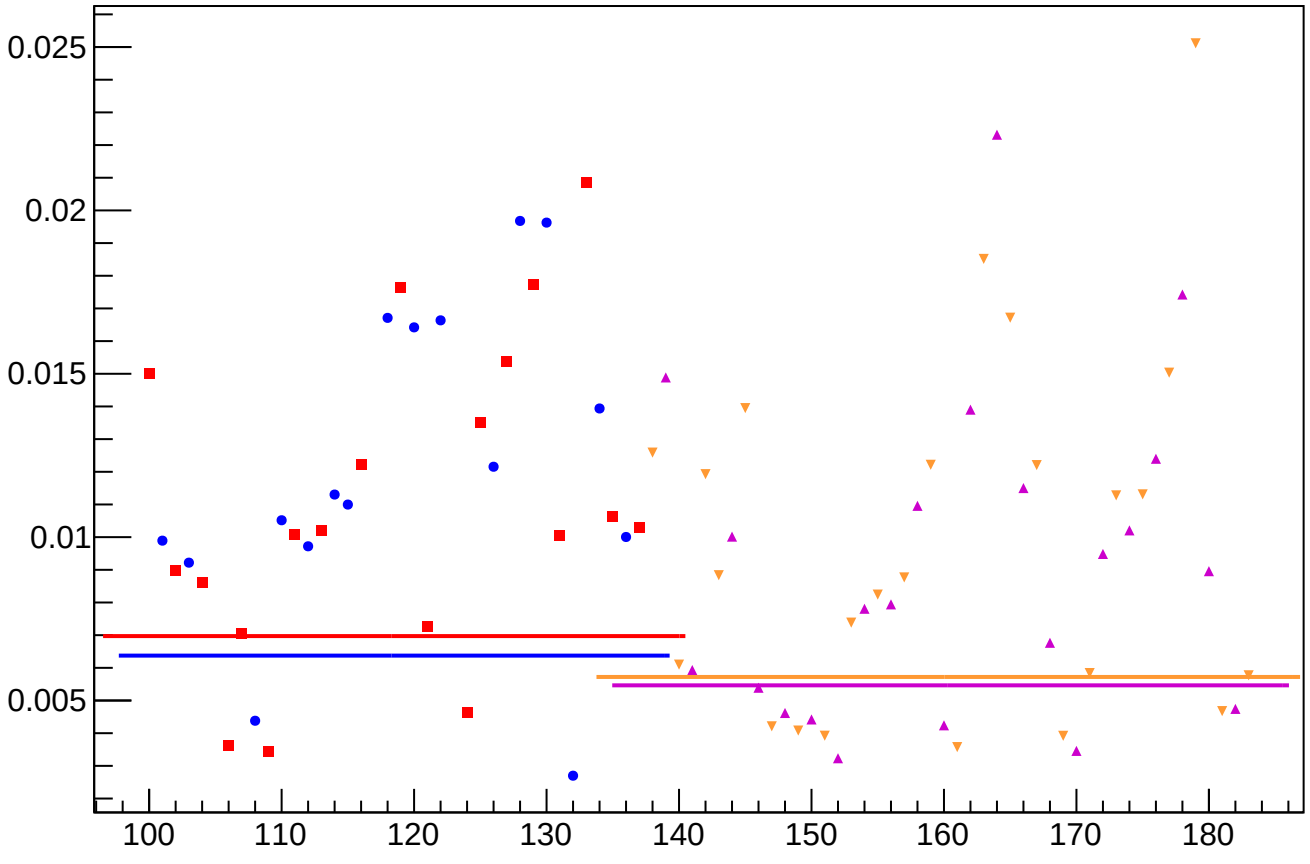
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:32.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/39

All: 0.000+/-0.000 χ^2/NDF: 106.6/80

- sign 0.000+/-0.000 χ^2/NDF: 48.7/40



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

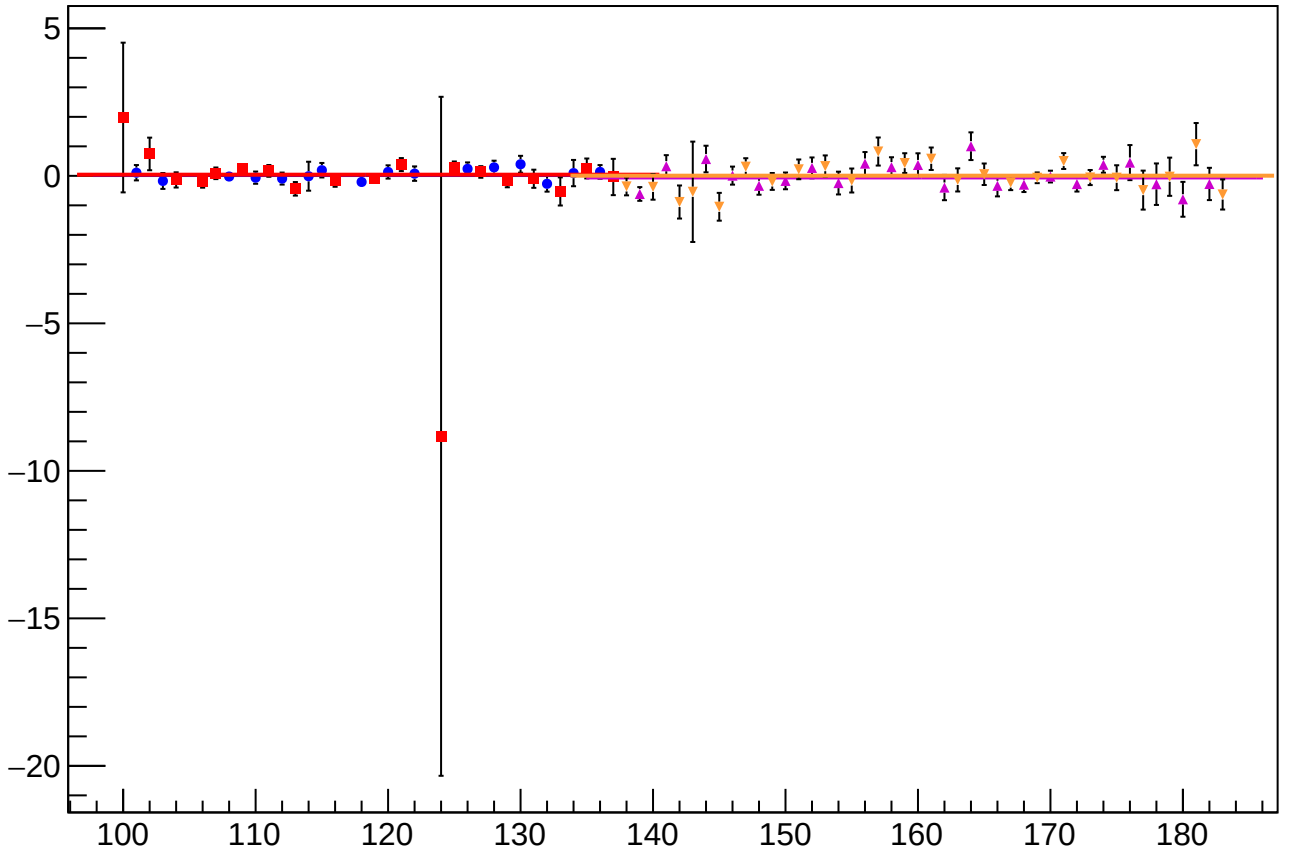
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6796454.6/21

+ sign 0.006+/-0.000 χ^2/NDF: 12715993.1/39

All: 0.006+/-0.000 χ^2/NDF: 23325584.6/80

- sign 0.006+/-0.000 χ^2/NDF: 10605149.7/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

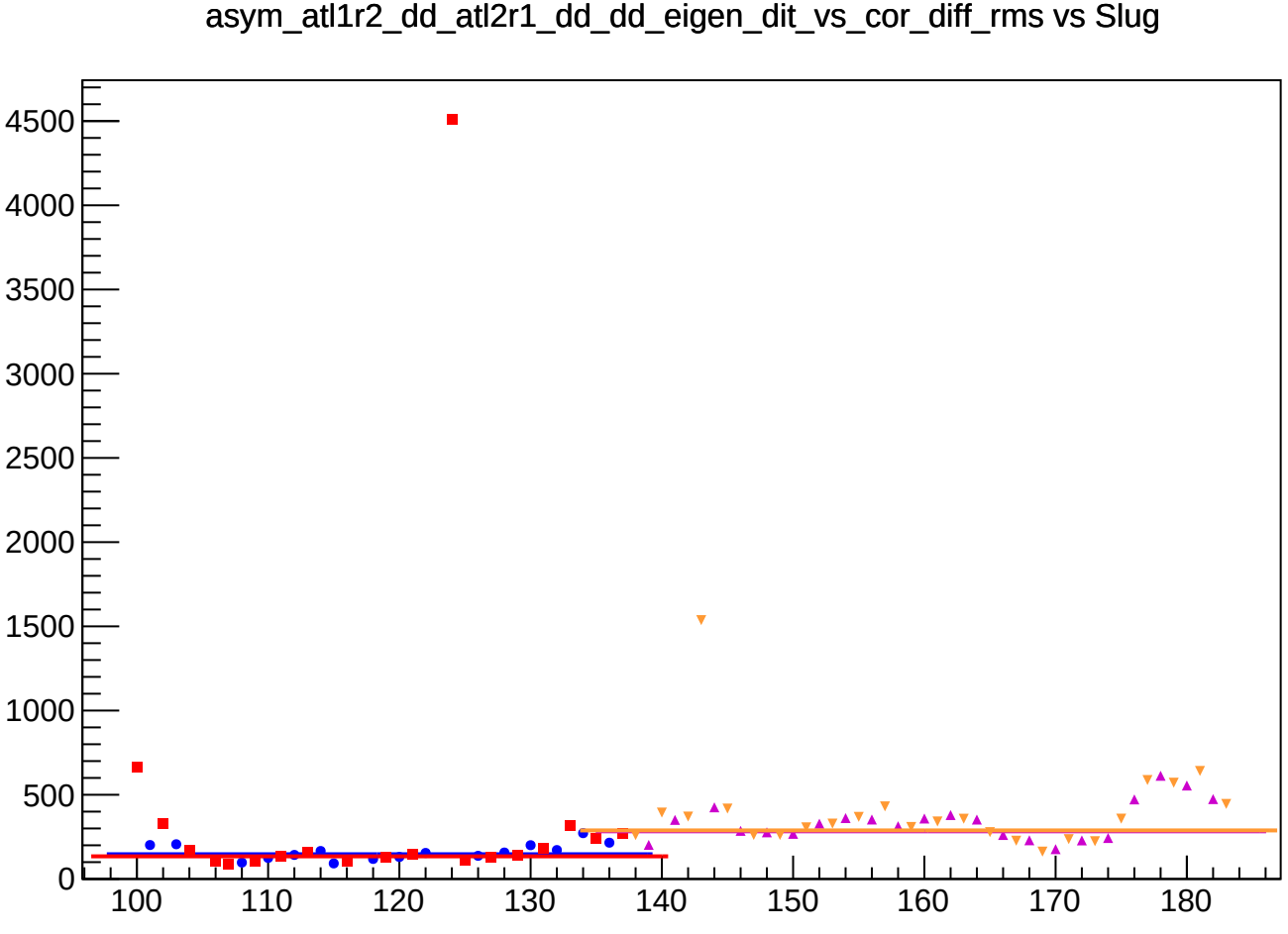
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636246.5/23

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

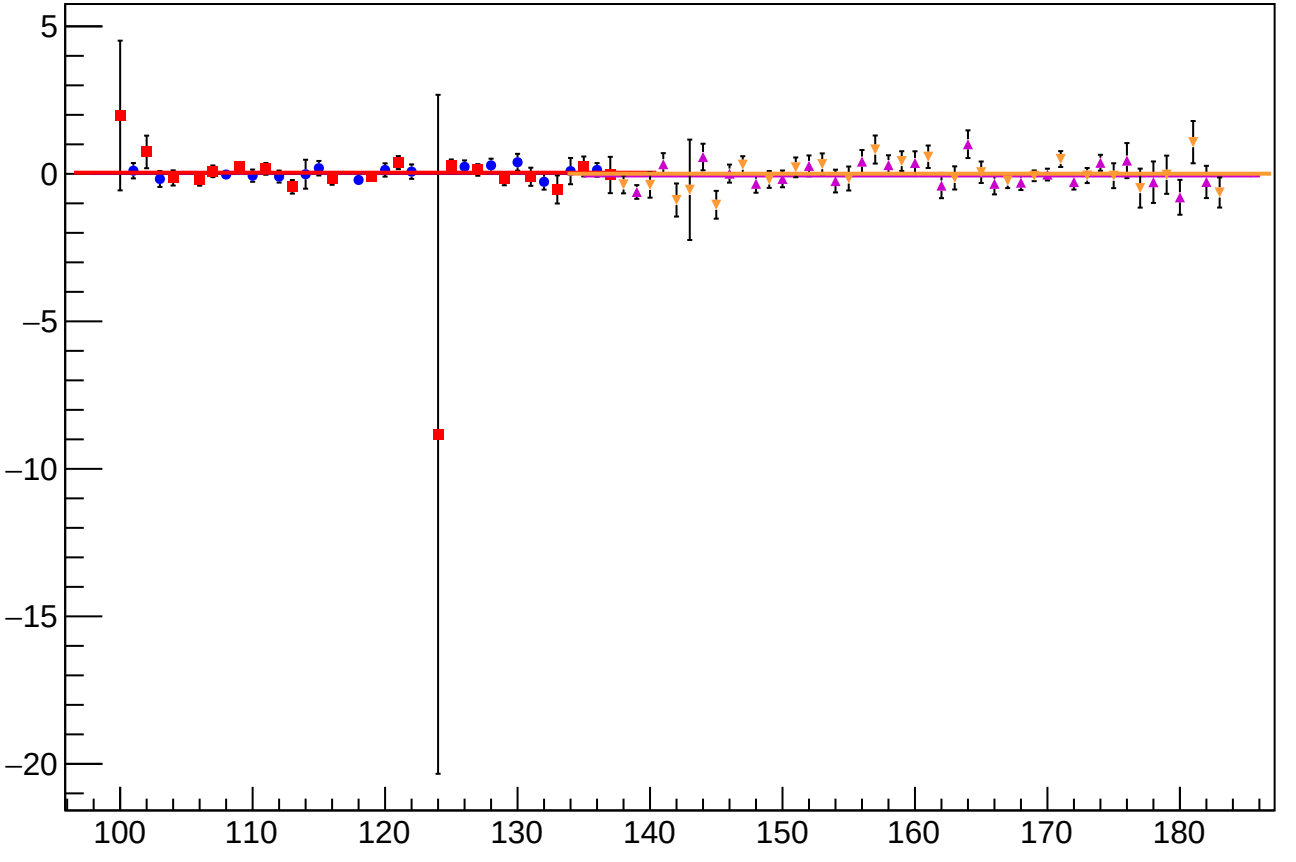
Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80

- sign 190.224+/-0.031 χ^2/NDF: 10156060.5/40

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

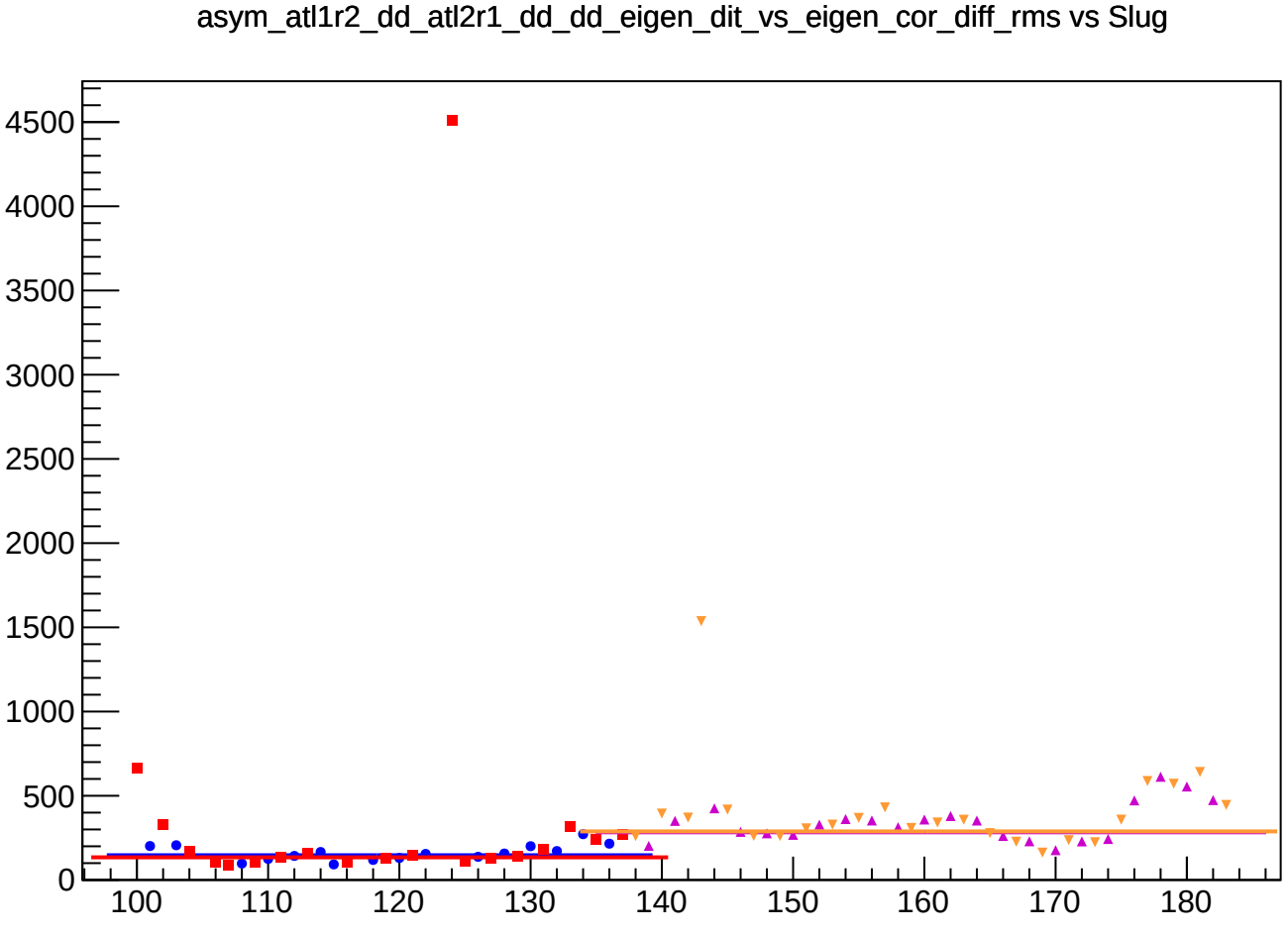
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.054+/-0.071 χ^2/NDF:27.7/21

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/80

- sign 0.004+/-0.043 χ^2/NDF: 48.8/40



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636246.5/23

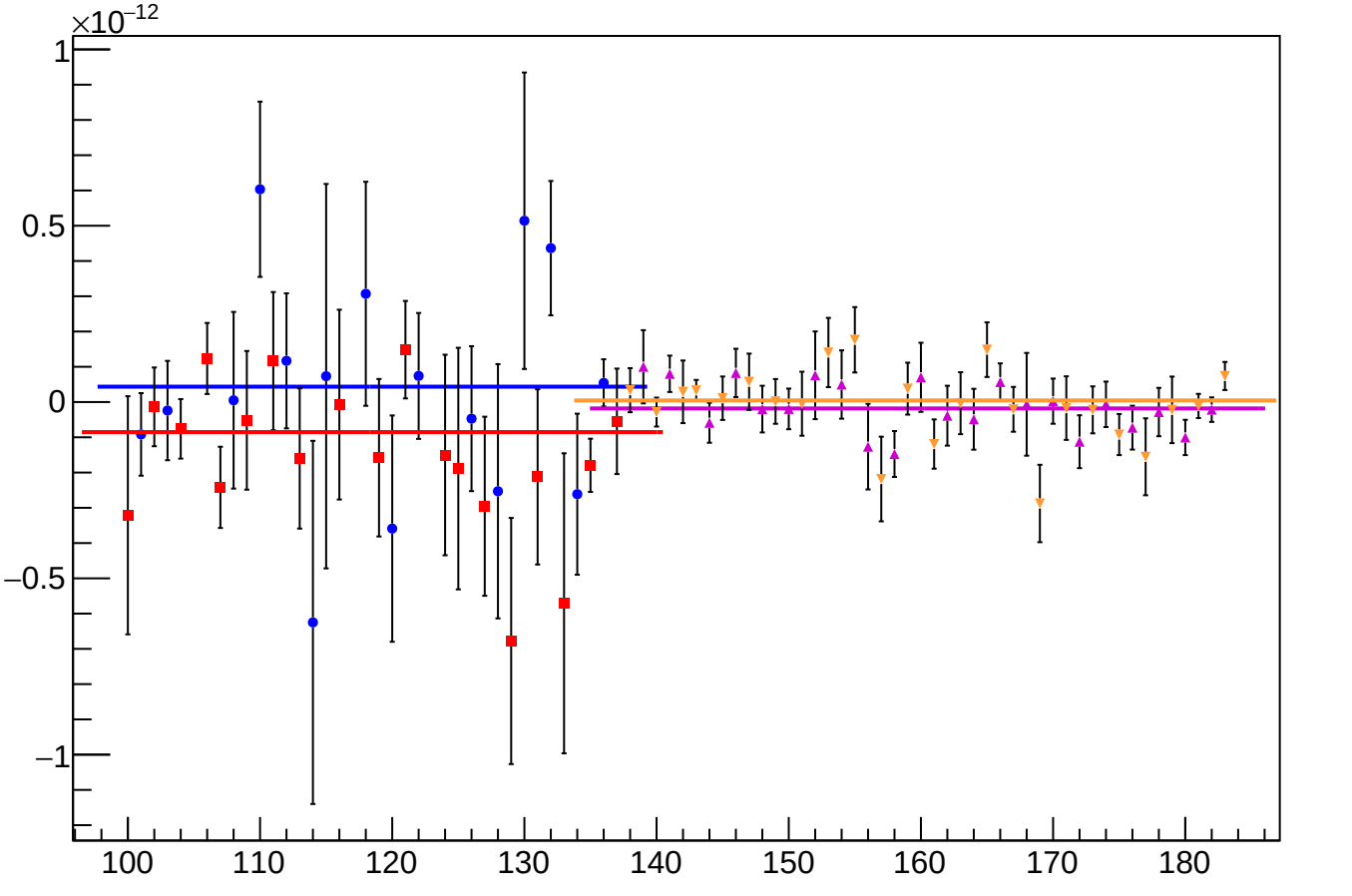
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 283.125+/-0.050 χ^2/NDF:3030693.1/21

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.247+/-0.022 χ^2/NDF: 20621533.3/80

- sign 190.224+/-0.031 χ^2/NDF: 10156060.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/23

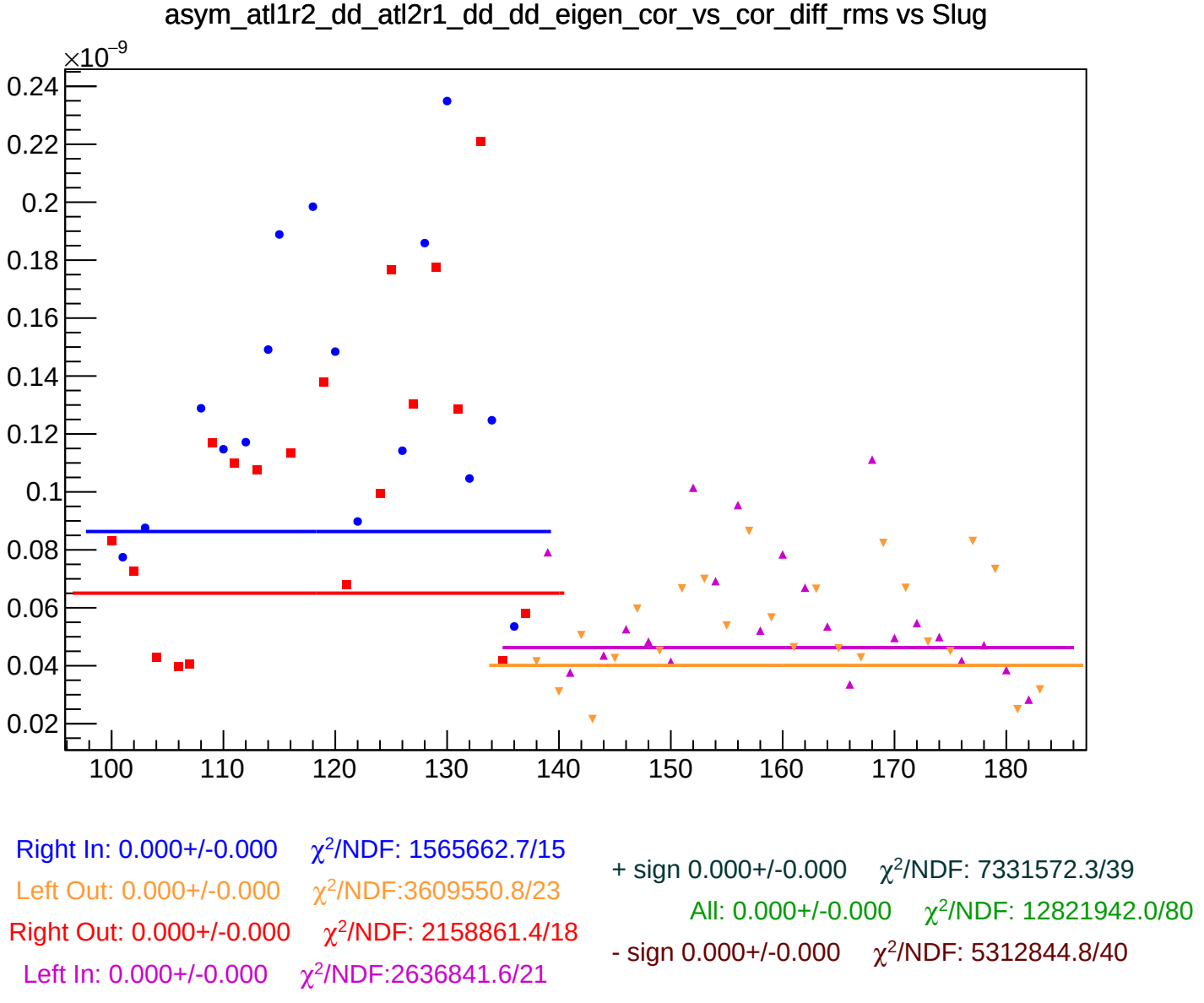
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

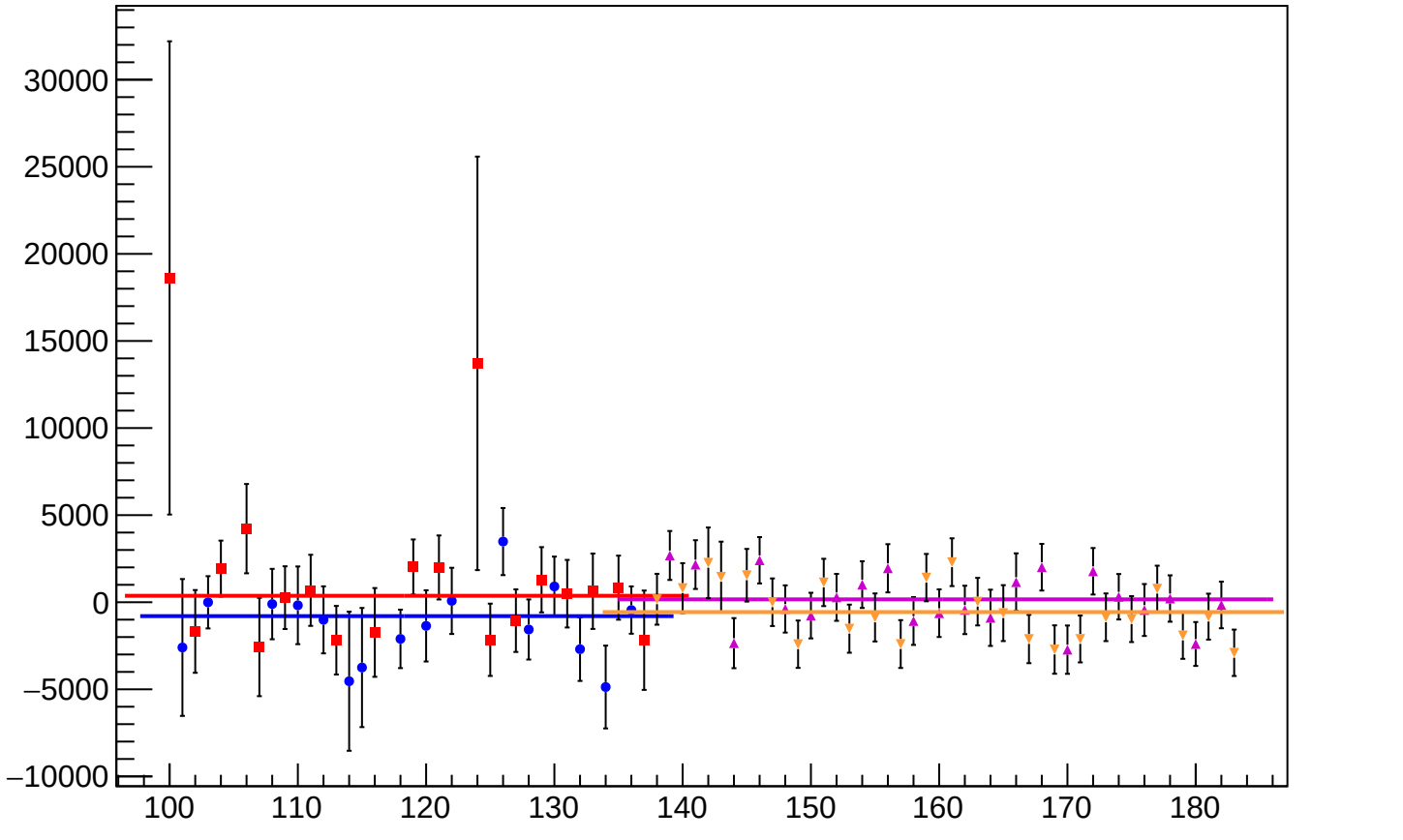
Left In: -0.000+/-0.000 χ^2/NDF:21.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/39

All: -0.000+/-0.000 χ^2/NDF: 100.6/80

- sign -0.000+/-0.000 χ^2/NDF: 43.1/40


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:3609550.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 2158861.4/18
Left In: 0.000+/-0.000 χ²/NDF:2636841.6/21
+ sign 0.000+/-0.000 χ²/NDF: 7331572.3/39
All: 0.000+/-0.000 χ²/NDF: 12821942.0/80
- sign 0.000+/-0.000 χ²/NDF: 5312844.8/40



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -565.016+/-288.147 χ^2/NDF:28.9/23

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

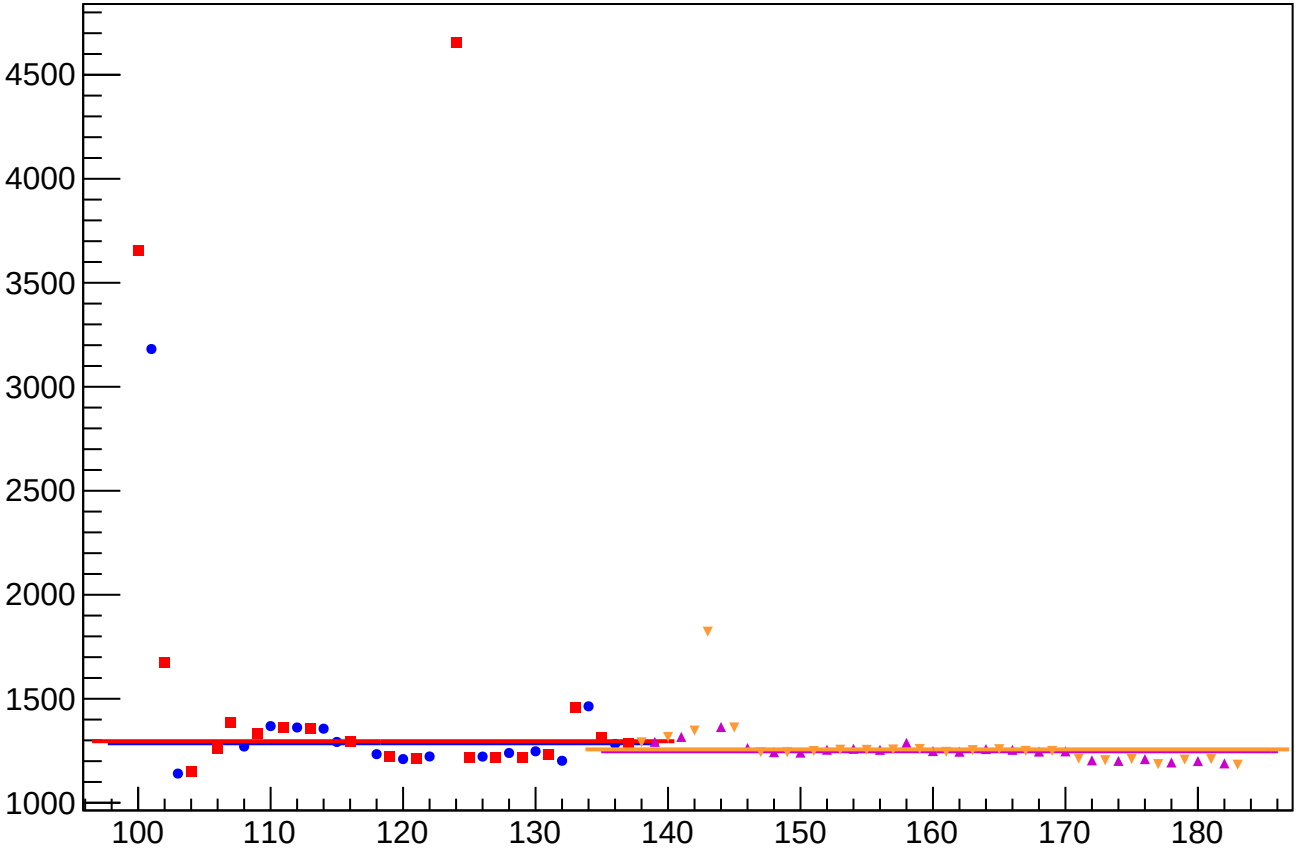
Left In: 164.744+/-293.807 χ^2/NDF:28.1/21

+ sign -625.162+/-248.050 χ^2/NDF: 42.5/39

All: -208.405+/-176.573 χ^2/NDF: 92.0/80

- sign 219.713+/-251.408 χ^2/NDF: 43.8/40

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

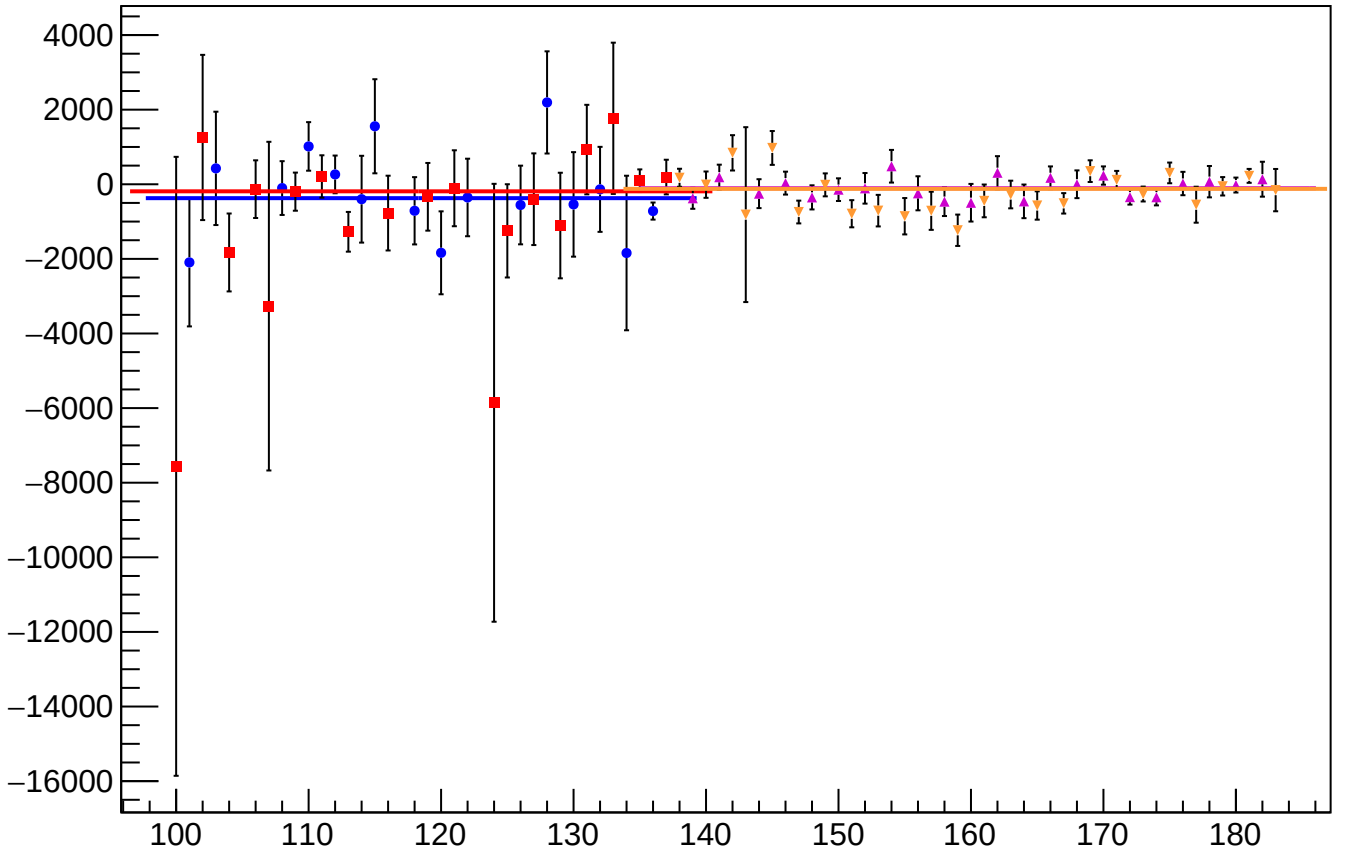
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

+ sign 1264.296+/-0.175 χ^2/NDF: 724505.7/39

All: 1262.382+/-0.125 χ^2/NDF: 1105803.6/80

- sign 1260.416+/-0.178 χ^2/NDF: 381056.5/40



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -122.930+/-65.215 χ^2/NDF:46.7/23

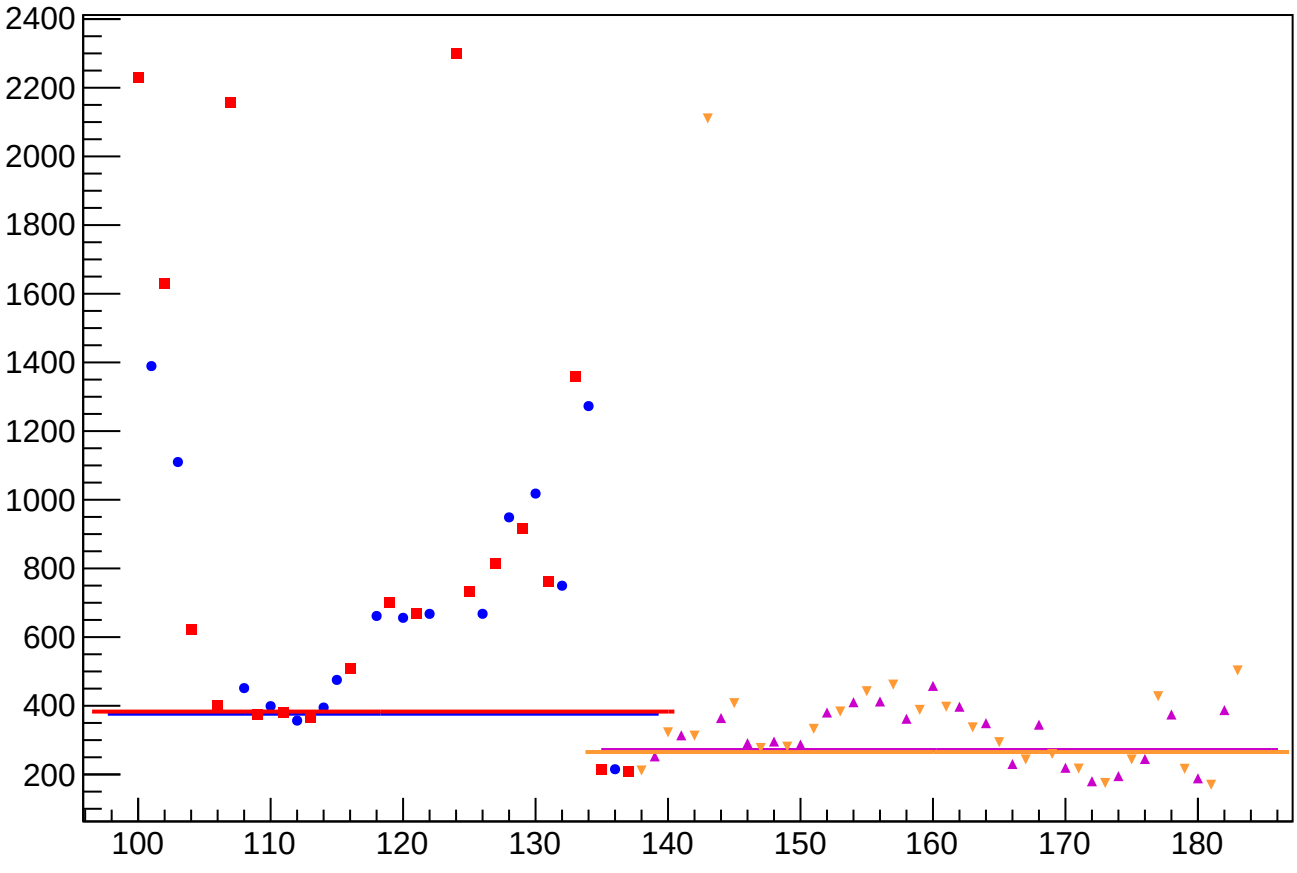
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -106.923+/-67.198 χ^2/NDF:13.7/21

+ sign -155.520+/-60.805 χ^2/NDF: 66.8/39

All: -137.294+/-43.573 χ^2/NDF: 95.6/80

- sign -118.055+/-62.472 χ^2/NDF: 28.6/40



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 265.304+/-0.046 χ^2/NDF:4528427.3/23

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

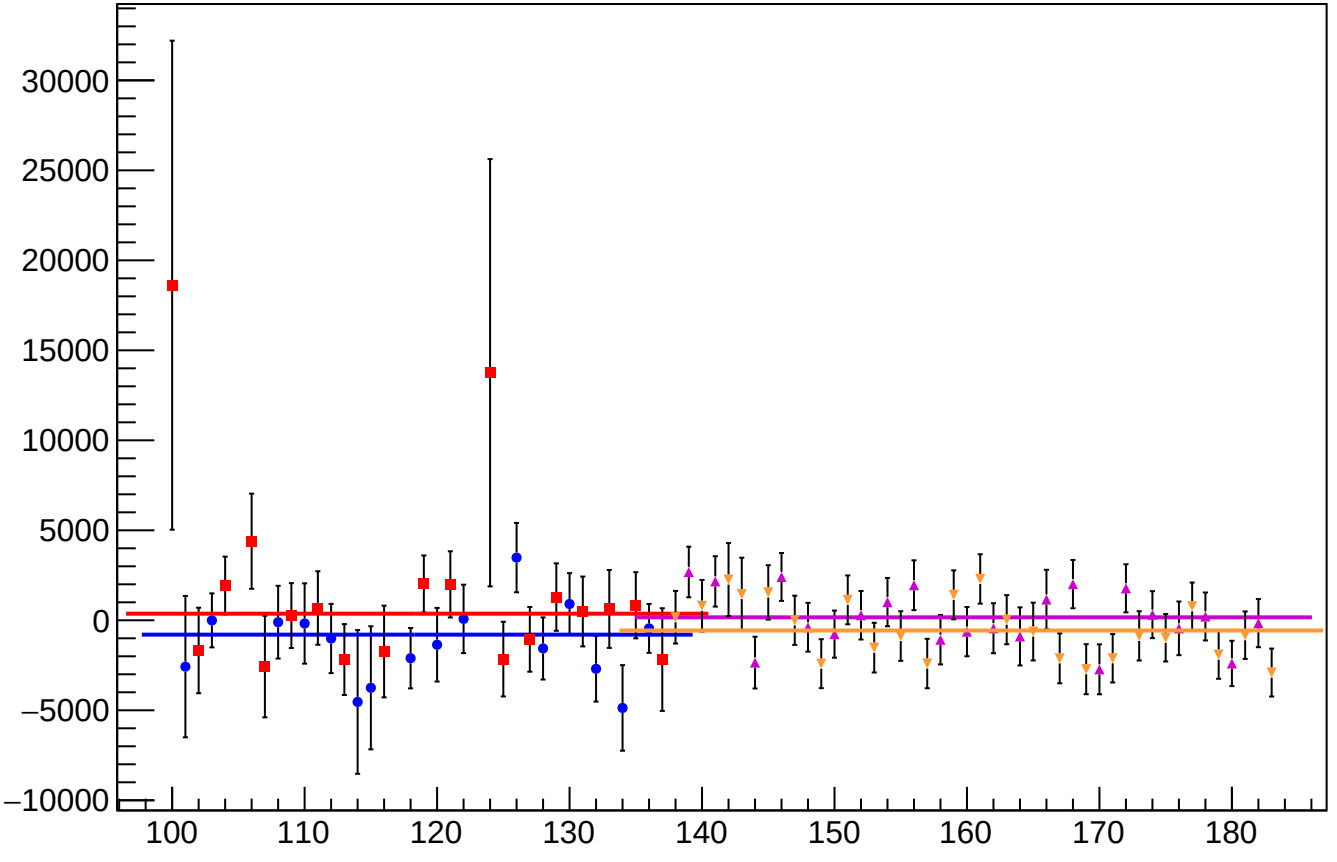
Left In: 271.167+/-0.048 χ^2/NDF:2778914.3/21

+ sign 279.886+/-0.043 χ^2/NDF: 9483830.8/39

All: 283.033+/-0.031 χ^2/NDF: 17080669.6/80

- sign 286.355+/-0.044 χ^2/NDF: 7585827.6/40

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -564.979+/-288.147 χ^2/NDF:28.9/23

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

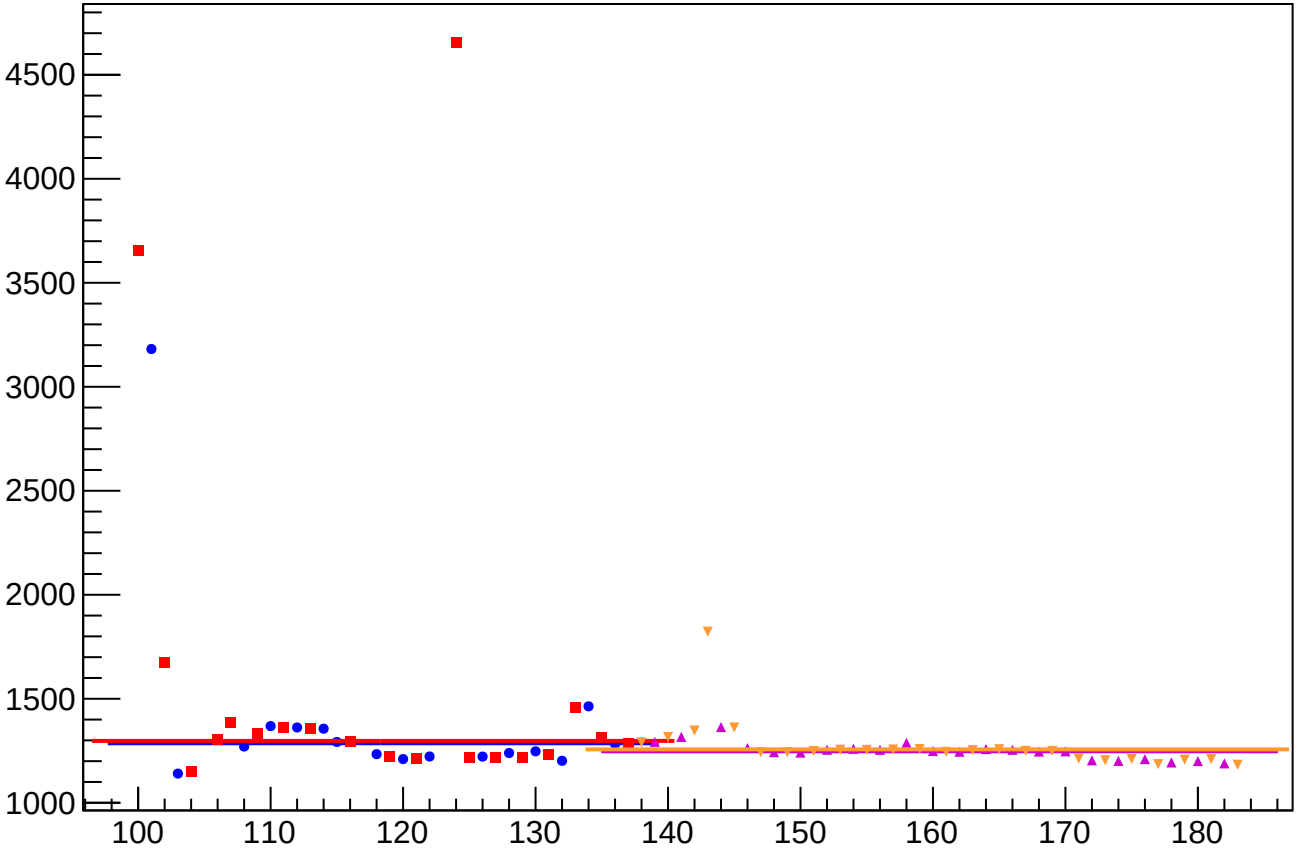
Left In: 164.724+/-293.807 χ^2/NDF:28.1/21

+ sign -625.030+/-248.050 χ^2/NDF: 42.5/39

All: -208.844+/-176.598 χ^2/NDF: 92.1/80

- sign 218.934+/-251.480 χ^2/NDF: 43.9/40

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

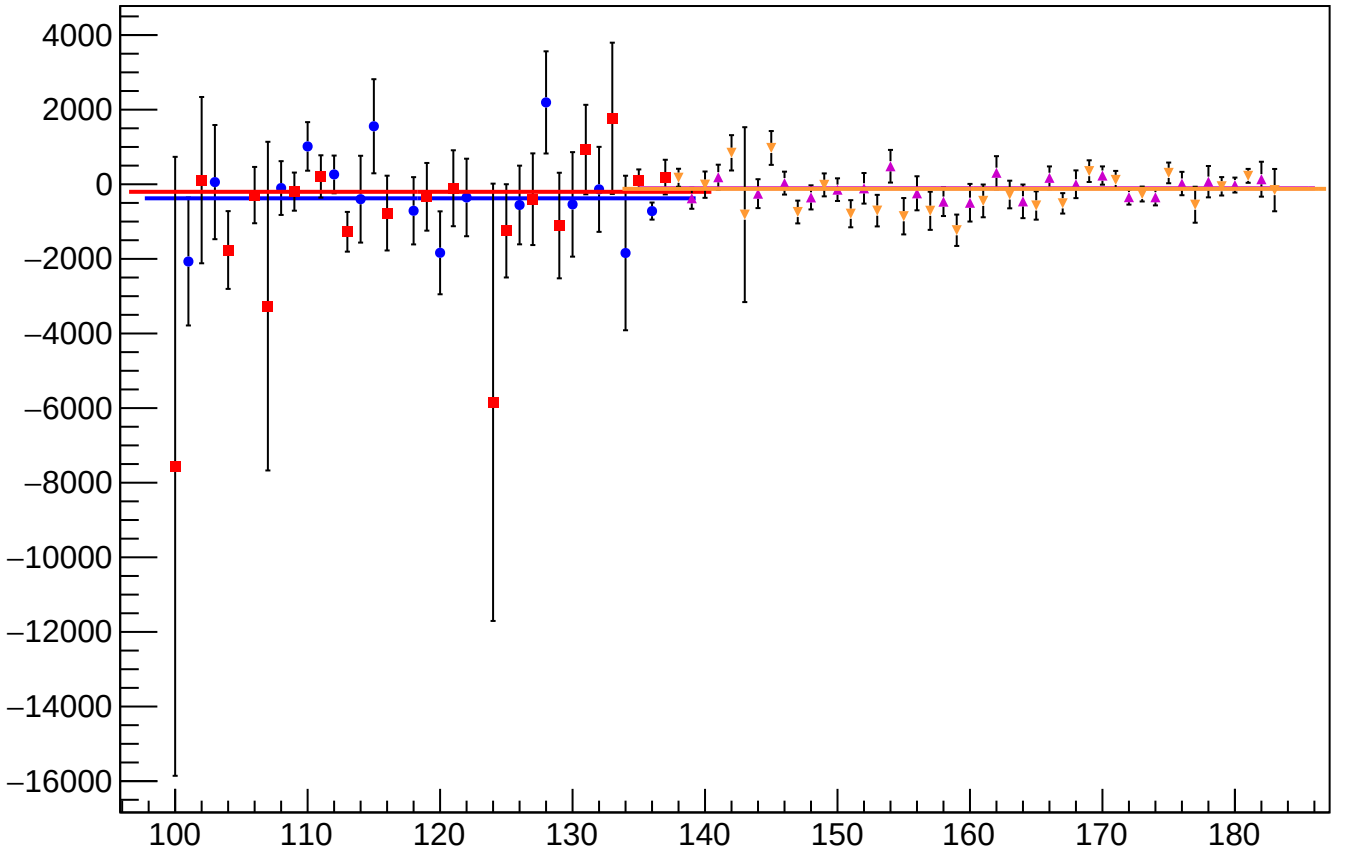
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

+ sign 1264.296+/-0.175 χ^2/NDF: 724507.0/39

All: 1262.564+/-0.125 χ^2/NDF: 1106295.4/80

- sign 1260.783+/-0.178 χ^2/NDF: 381590.7/40



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.907+/-65.216 χ^2/NDF:46.7/23

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

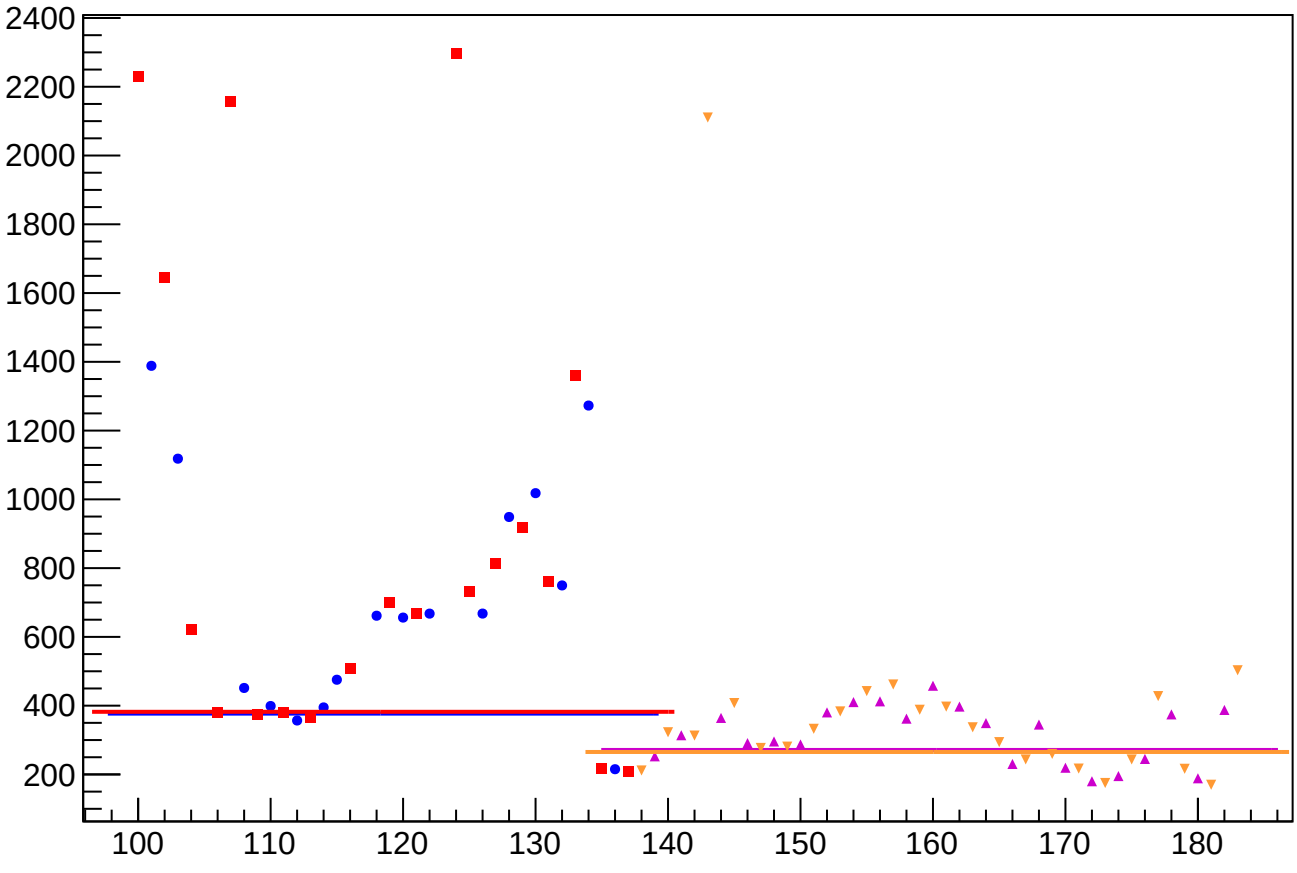
Left In: -107.037+/-67.200 χ^2/NDF:13.7/21

\+ sign -156.076+/-60.807 χ^2/NDF: 66.6/39

All: -138.509+/-43.571 χ^2/NDF: 94.9/80

\- sign -119.971+/-62.464 χ^2/NDF: 28.0/40

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 265.309+/-0.046 χ^2/NDF:4528444.6/23

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

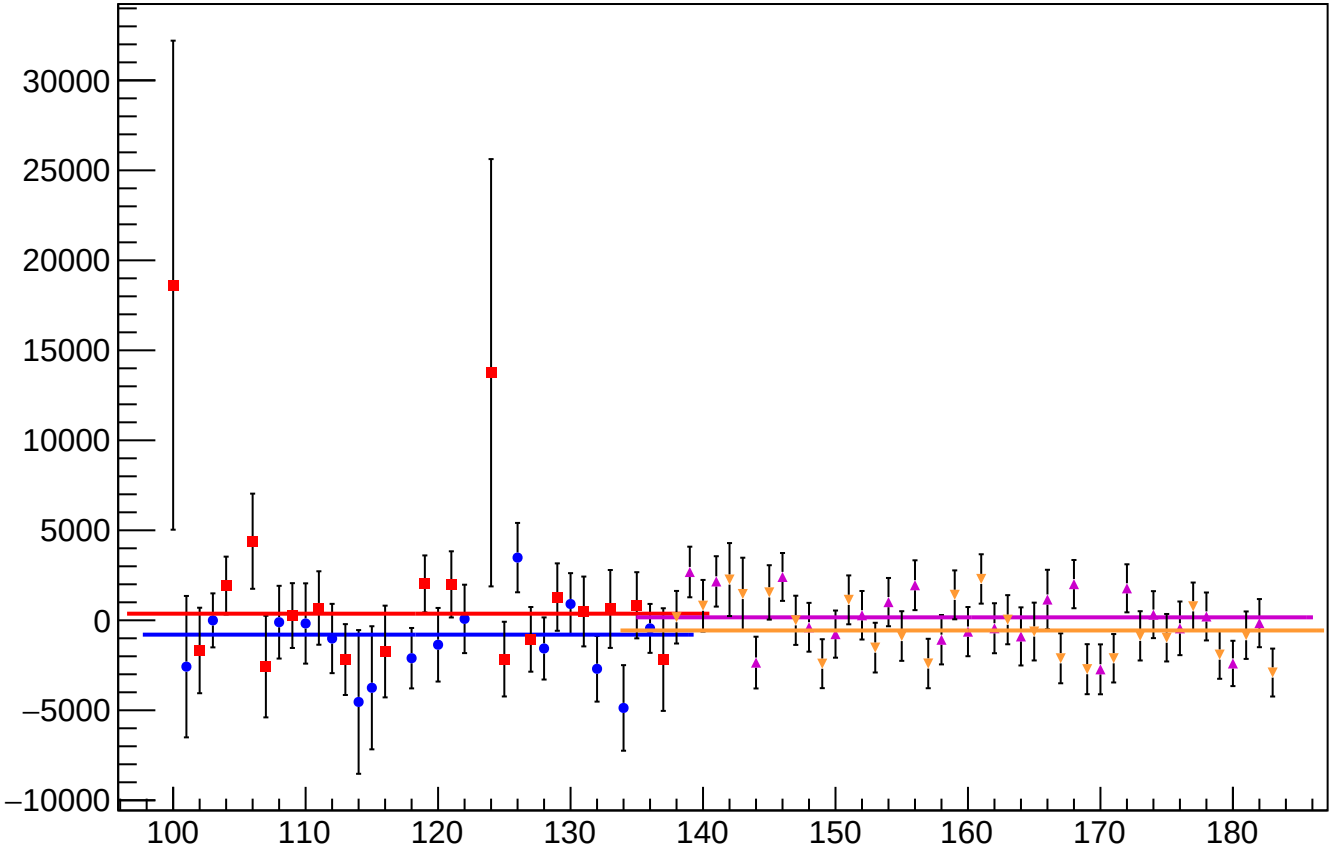
Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

+ sign 279.887+/-0.043 χ^2/NDF: 9486627.4/39

All: 282.991+/-0.031 χ^2/NDF: 17077215.1/80

- sign 286.267+/-0.044 χ^2/NDF: 7579876.2/40

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -564.979+/-288.147 χ^2/NDF:28.9/23

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

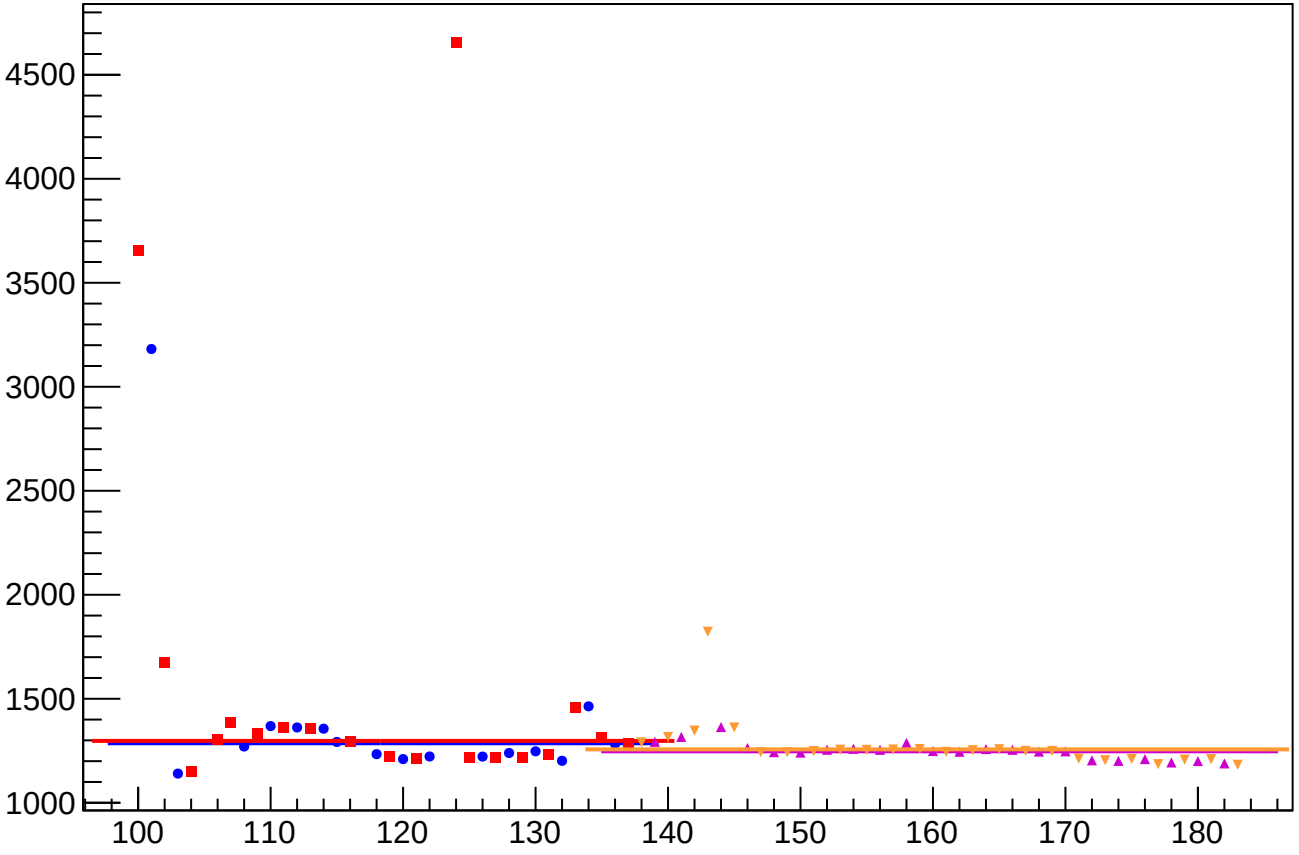
Left In: 164.724+/-293.807 χ^2/NDF:28.1/21

+ sign -625.030+/-248.050 χ^2/NDF: 42.5/39

All: -208.844+/-176.598 χ^2/NDF: 92.1/80

- sign 218.934+/-251.480 χ^2/NDF: 43.9/40

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1256.678+/-0.204 χ^2/NDF:200980.3/23

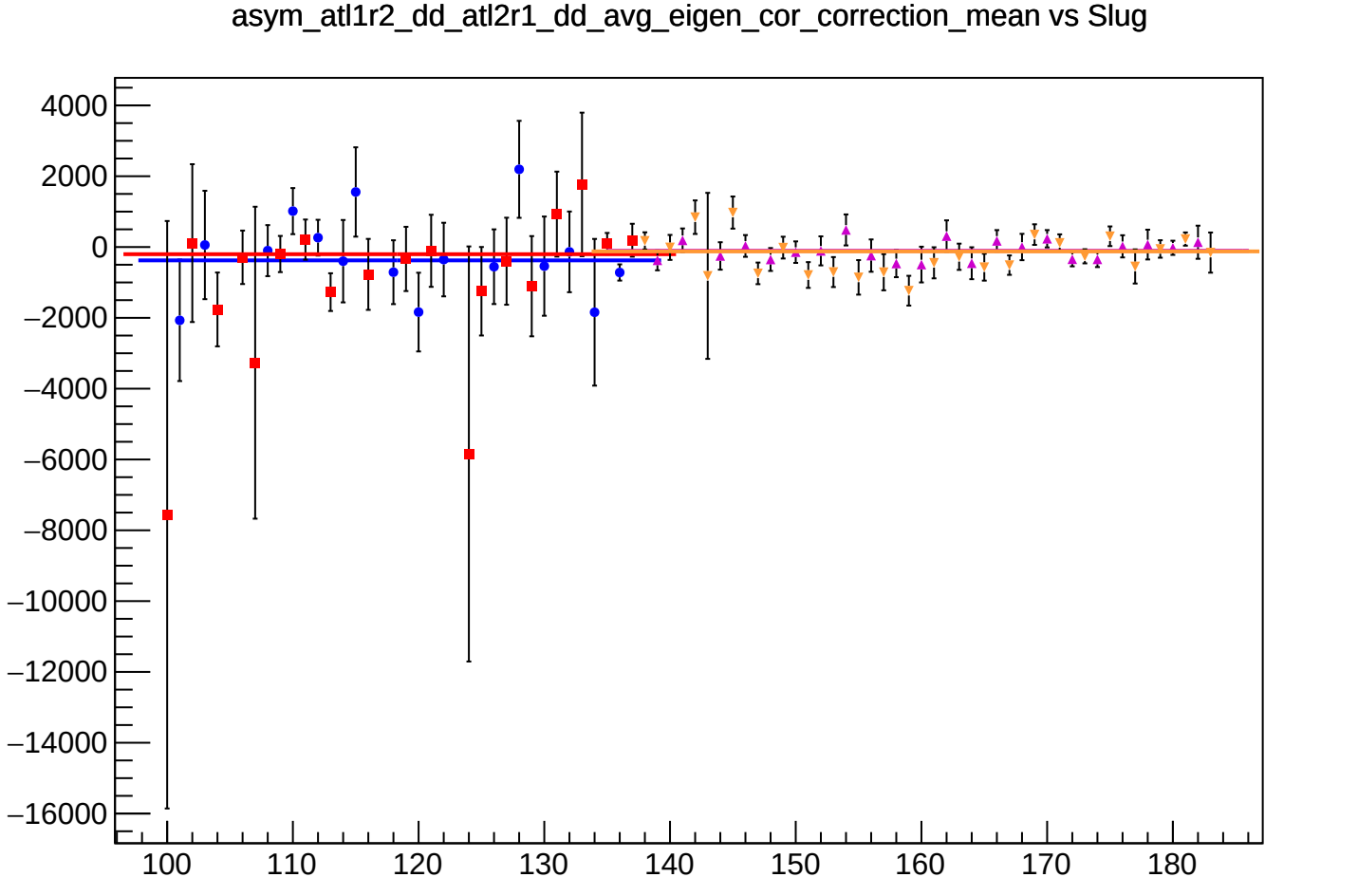
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1247.423+/-0.208 χ^2/NDF:38379.9/21

+ sign 1264.296+/-0.175 χ^2/NDF: 724507.0/39

All: 1262.564+/-0.125 χ^2/NDF: 1106295.4/80

- sign 1260.783+/-0.178 χ^2/NDF: 381590.7/40



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.907+/-65.216 χ^2/NDF:46.7/23

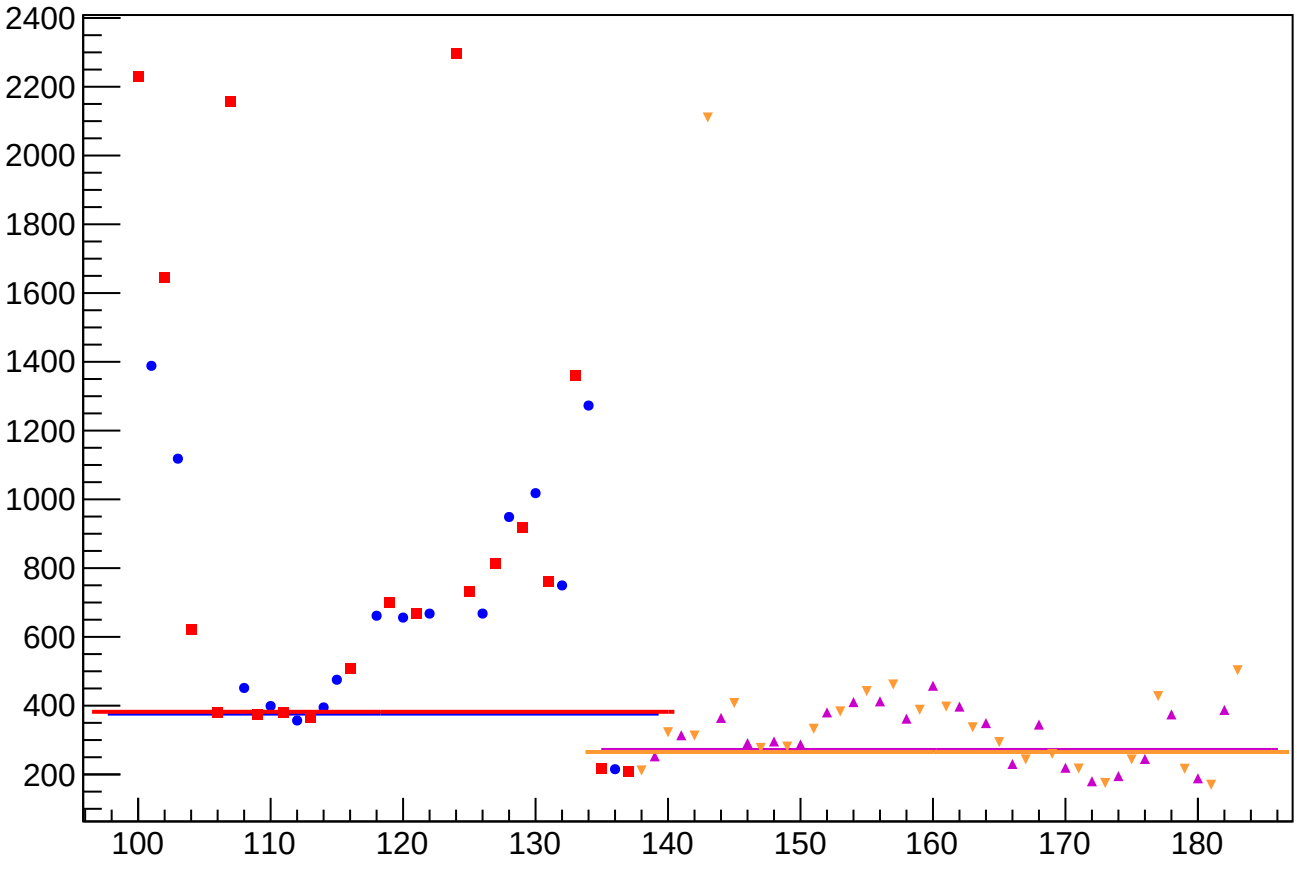
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -107.037+/-67.200 χ^2/NDF:13.7/21

\+ sign -156.076+/-60.807 χ^2/NDF: 66.6/39

All: -138.509+/-43.571 χ^2/NDF: 94.9/80

\- sign -119.971+/-62.464 χ^2/NDF: 28.0/40



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 265.309+/-0.046 χ^2/NDF:4528444.6/23

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

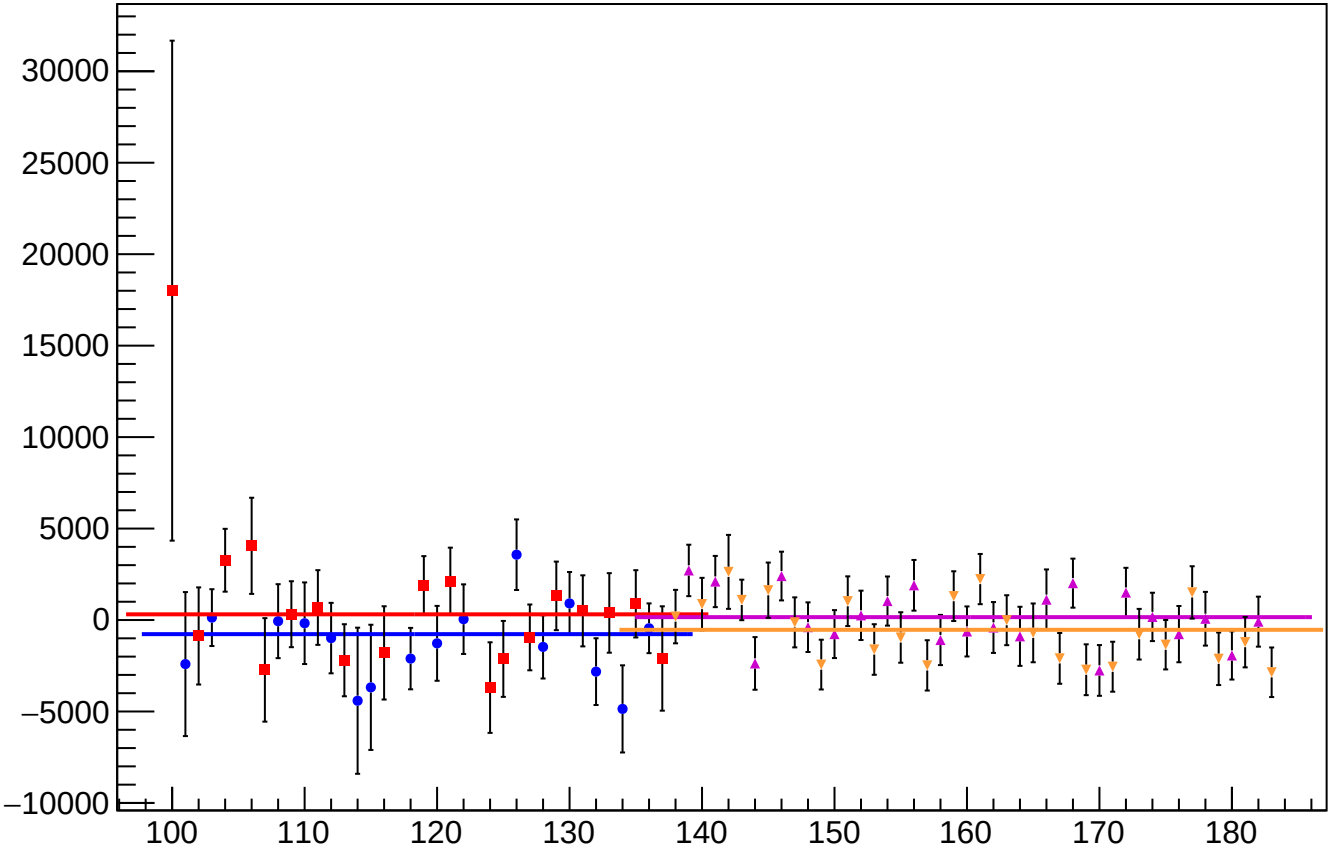
Left In: 271.176+/-0.048 χ^2/NDF:2778687.6/21

+ sign 279.887+/-0.043 χ^2/NDF: 9486627.4/39

All: 282.991+/-0.031 χ^2/NDF: 17077215.1/80

- sign 286.267+/-0.044 χ^2/NDF: 7579876.2/40

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -534.921+/-284.814 χ^2/NDF:32.8/23

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

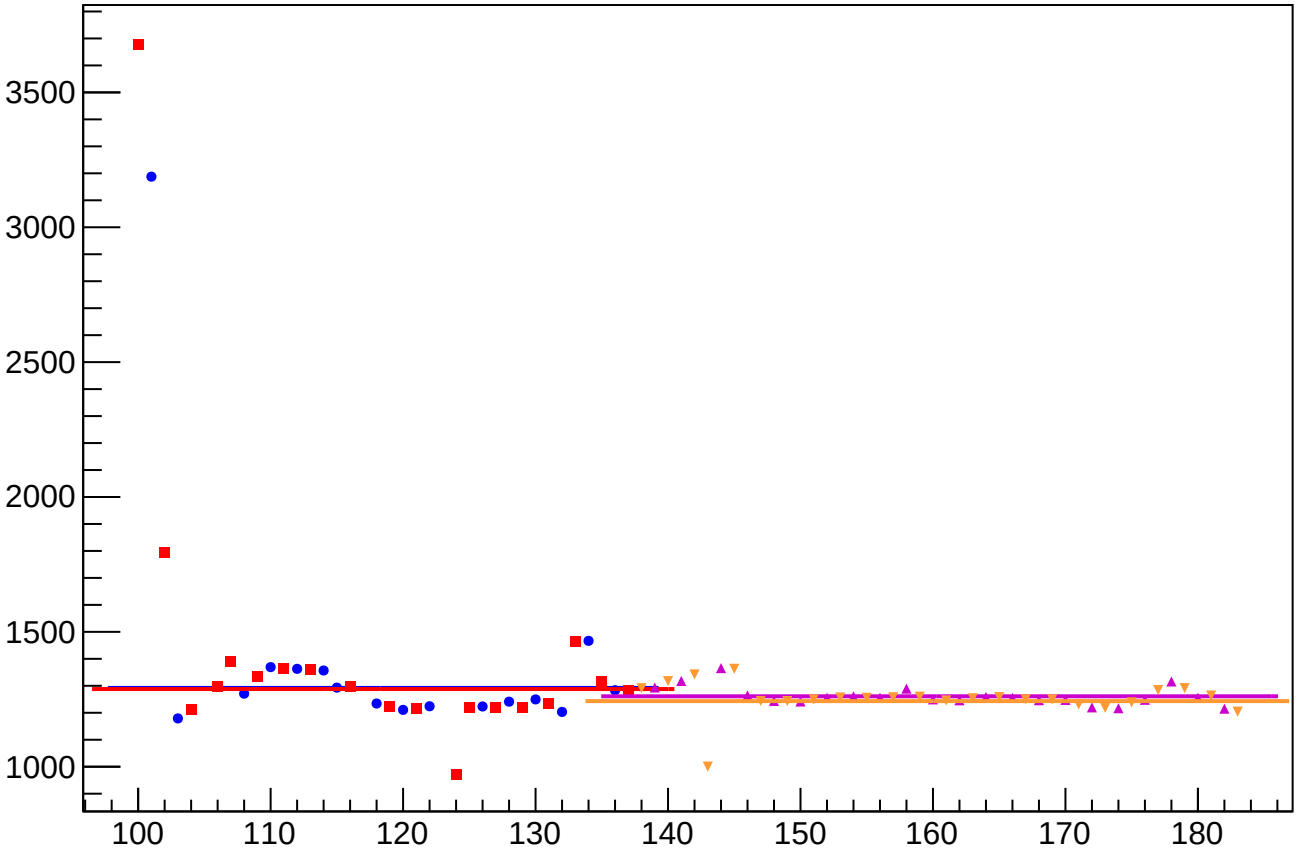
Left In: 157.854+/-296.987 χ^2/NDF:26.2/21

+ sign -594.738+/-246.188 χ^2/NDF: 46.5/39

All: -208.098+/-176.419 χ^2/NDF: 95.8/80

- sign 200.030+/-252.937 χ^2/NDF: 44.2/40

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1243.257+/-0.201 χ^2/NDF:129149.9/23

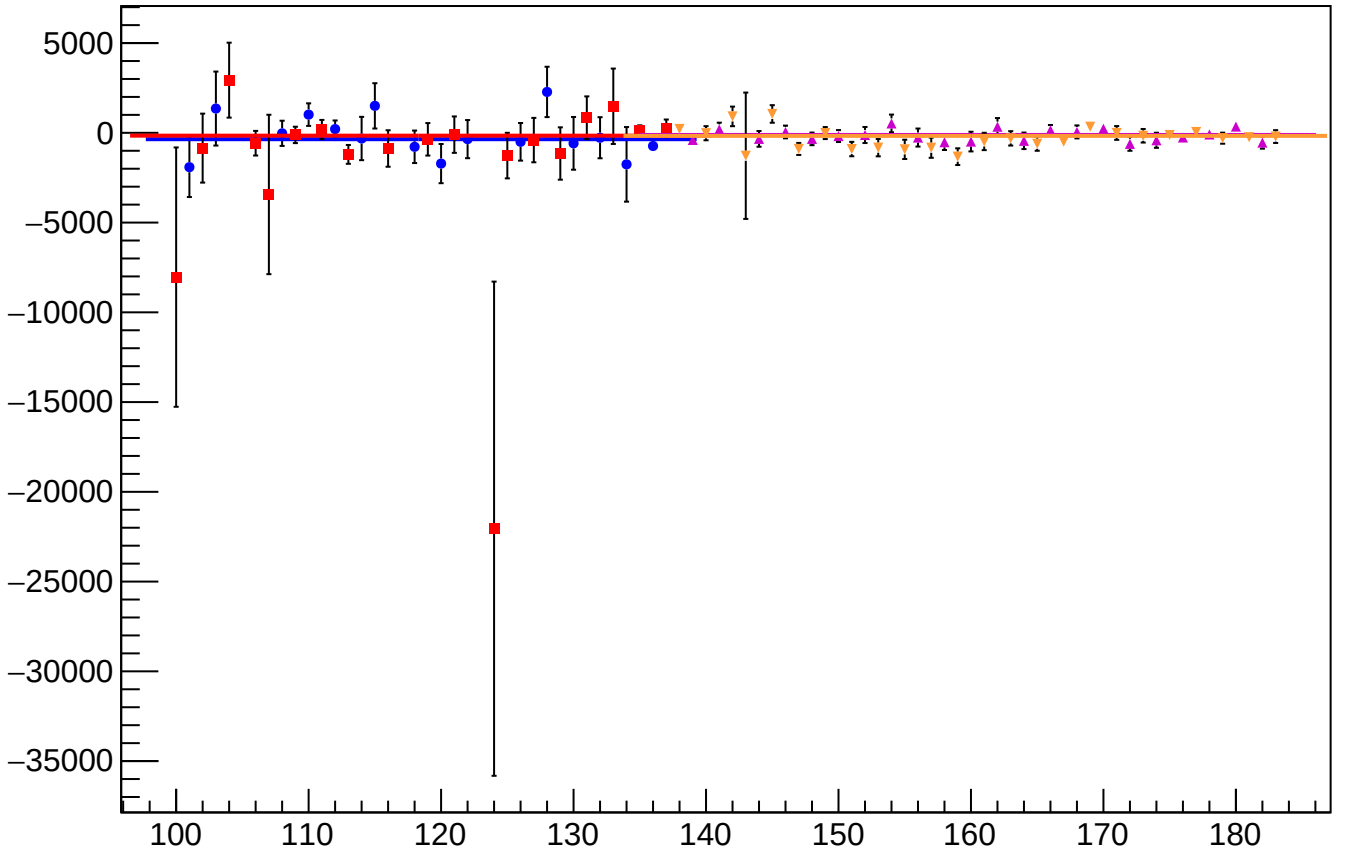
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.079+/-0.210 χ^2/NDF:26691.7/21

+ sign 1255.591+/-0.174 χ^2/NDF: 653390.0/39

All: 1261.856+/-0.125 χ^2/NDF: 896462.6/80

- sign 1268.470+/-0.179 χ^2/NDF: 240410.0/40



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -170.049+/-64.466 χ^2/NDF:41.8/23

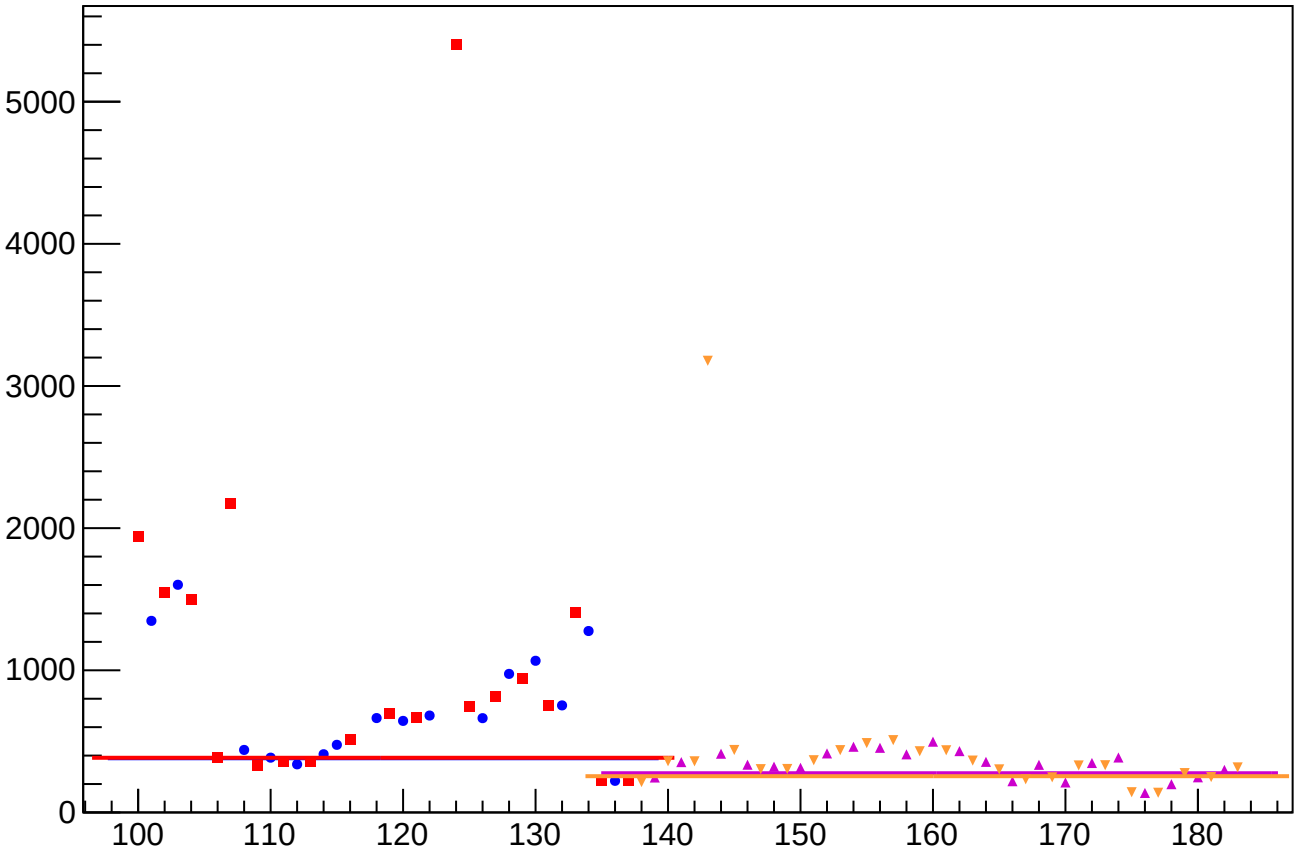
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -118.511+/-69.370 χ^2/NDF:17.9/21

+ sign -193.337+/-60.276 χ^2/NDF: 61.3/39

All: -160.930+/-43.947 χ^2/NDF: 95.7/80

- sign -124.156+/-64.210 χ^2/NDF: 33.8/40



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 255.087+/-0.046 χ^2/NDF:6352307.5/23

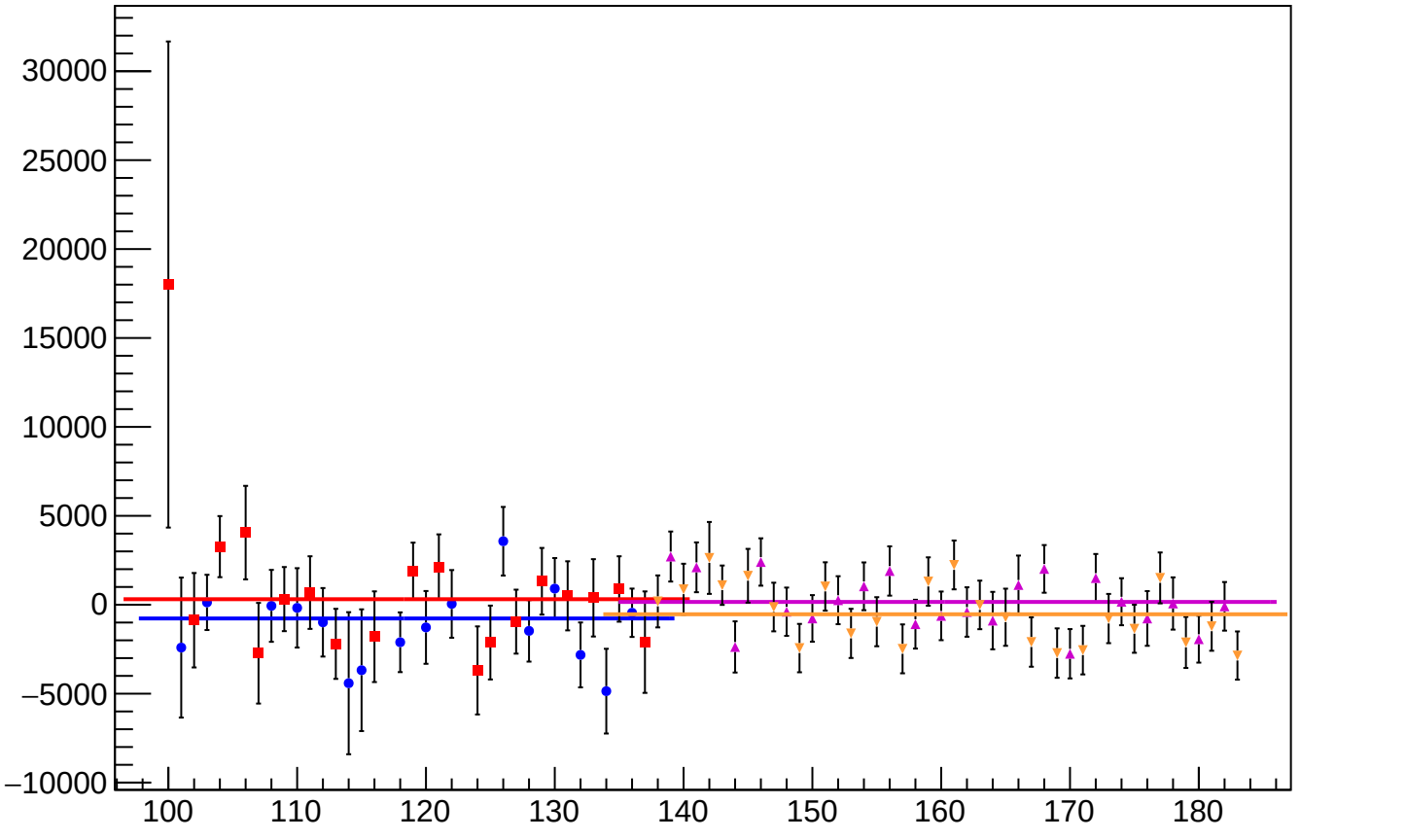
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 275.869+/-0.049 χ^2/NDF:4022379.0/21

+ sign 270.966+/-0.043 χ^2/NDF: 11635073.1/39

All: 280.561+/-0.031 χ^2/NDF: 21030257.1/80

- sign 291.450+/-0.045 χ^2/NDF: 9286991.1/40



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -534.921+/-284.814 χ^2/NDF:32.8/23

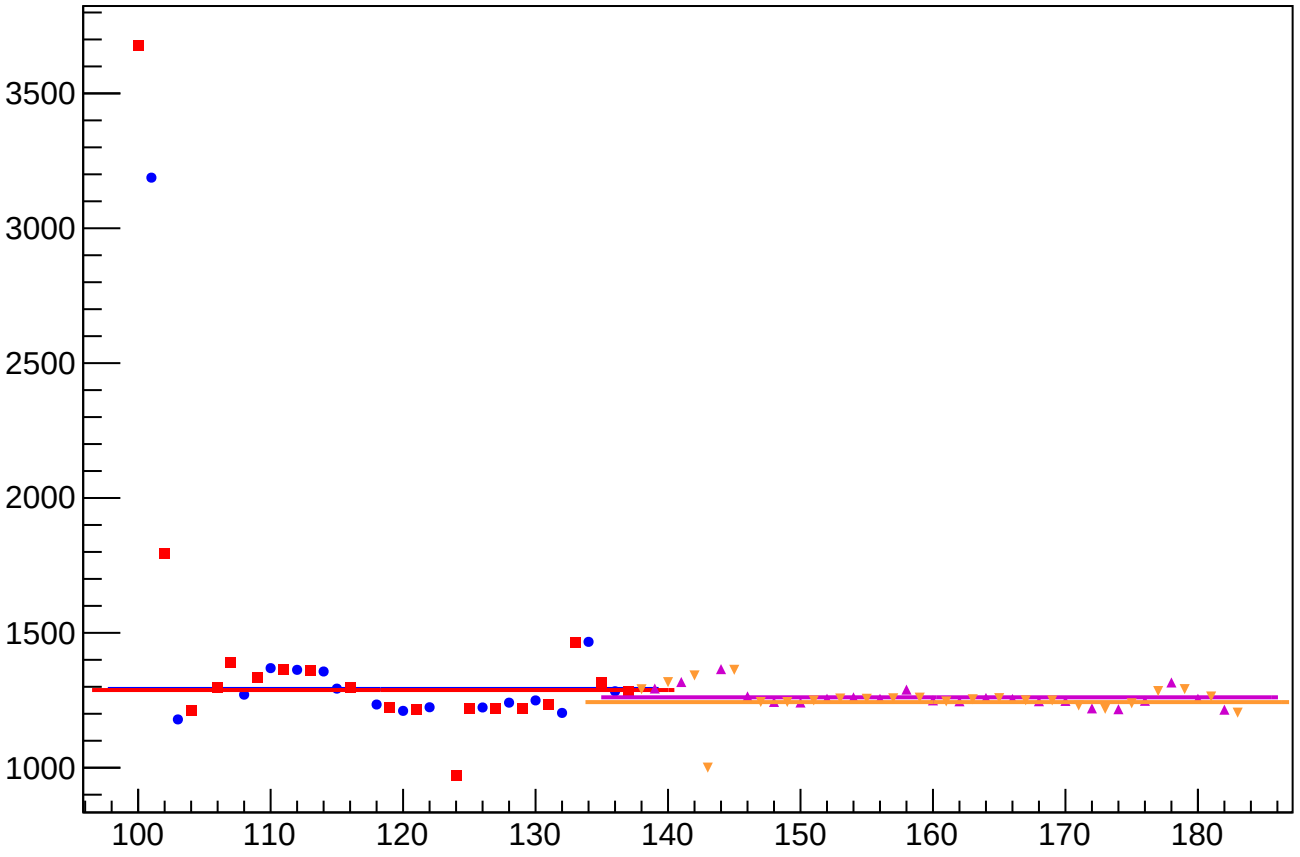
Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 157.854+/-296.987 χ^2/NDF:26.2/21

+ sign -594.738+/-246.188 χ^2/NDF: 46.5/39

All: -208.098+/-176.419 χ^2/NDF: 95.8/80

- sign 200.030+/-252.937 χ^2/NDF: 44.2/40



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1243.257+/-0.201 χ^2/NDF:129149.0/23

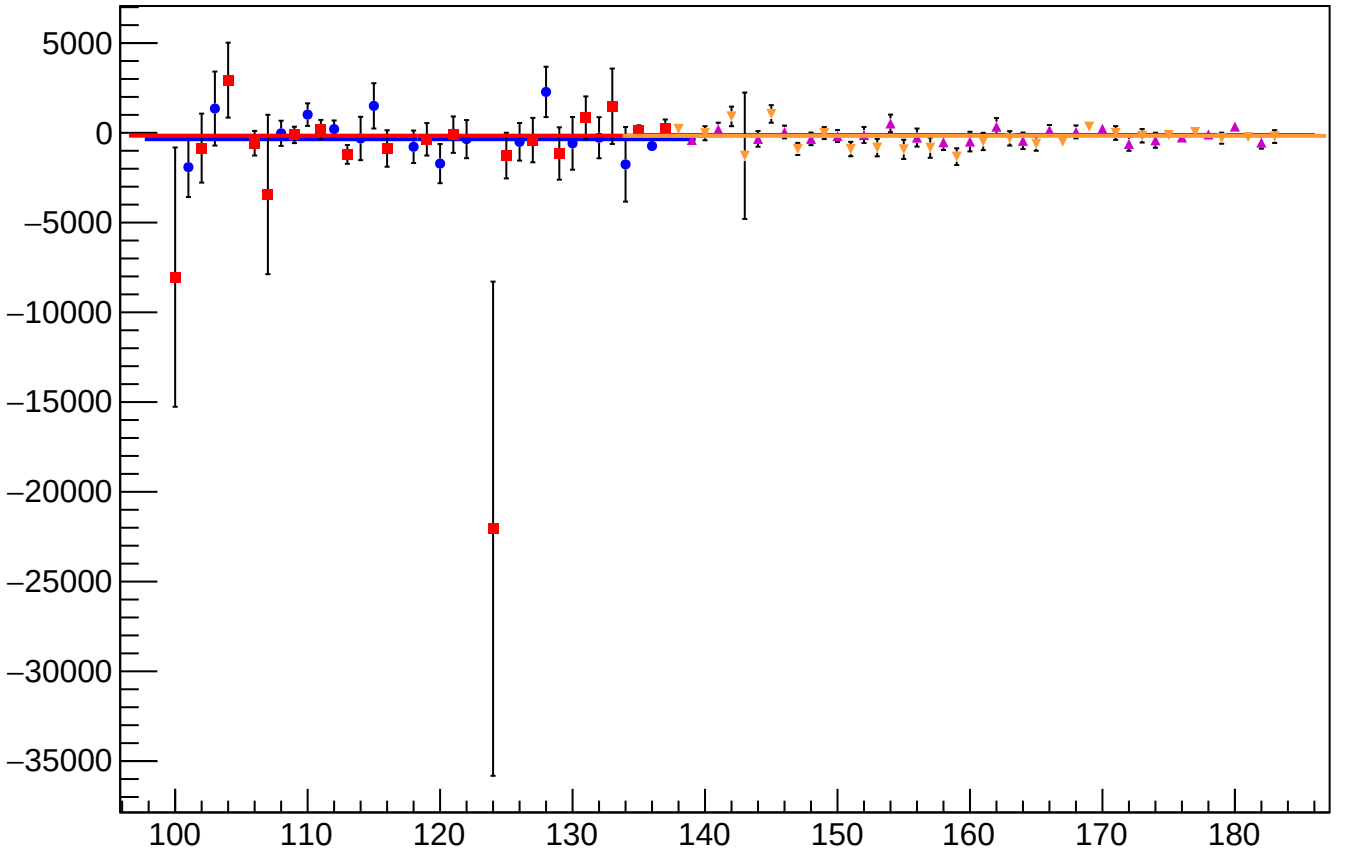
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.079+/-0.210 χ^2/NDF:26691.7/21

+ sign 1255.591+/-0.174 χ^2/NDF: 653389.1/39

All: 1261.856+/-0.125 χ^2/NDF: 896462.1/80

- sign 1268.470+/-0.179 χ^2/NDF: 240410.4/40



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -170.053+/-64.466 χ^2/NDF:41.8/23

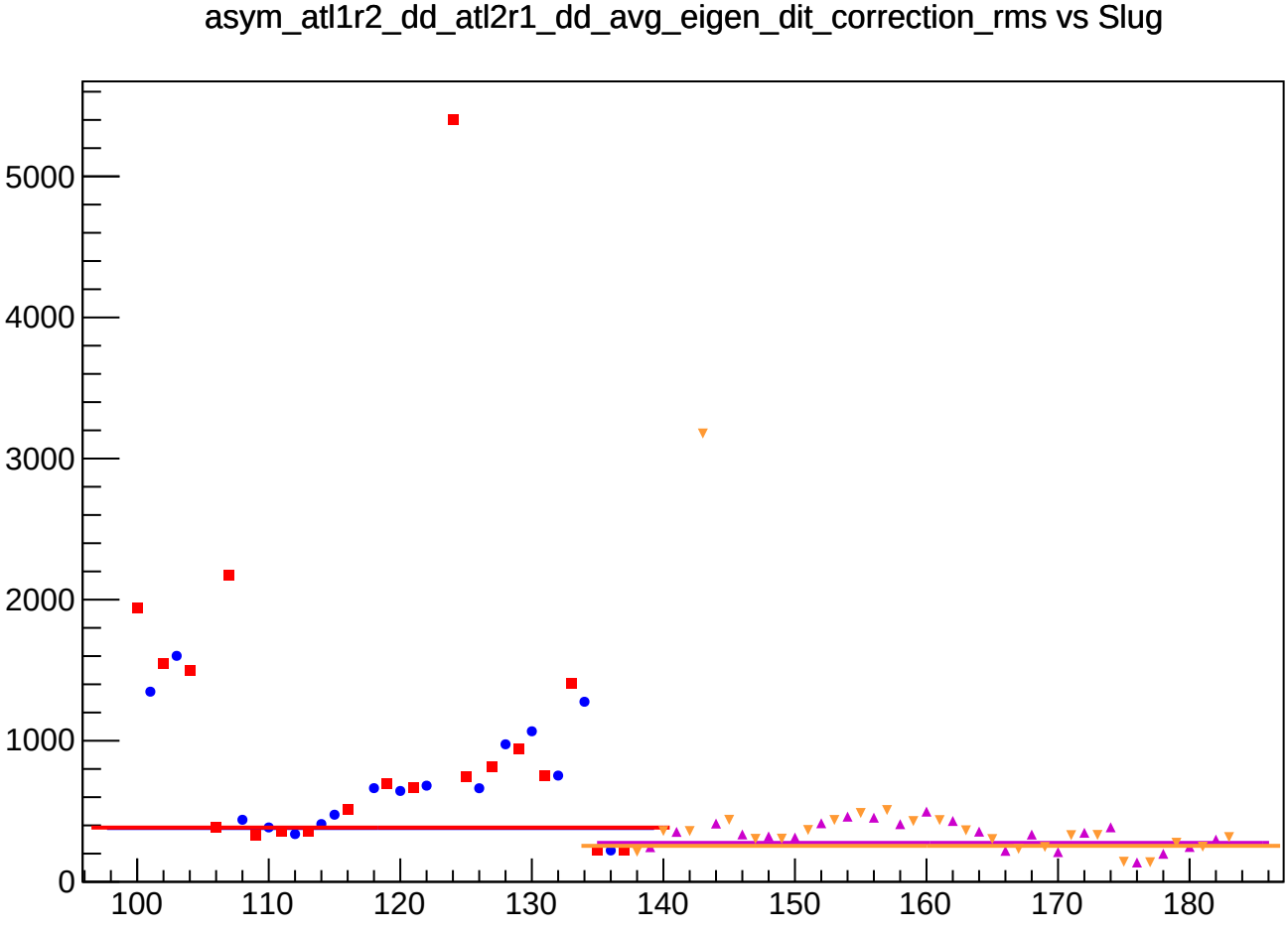
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -118.509+/-69.370 χ^2/NDF:17.9/21

\+ sign -193.340+/-60.277 χ^2/NDF: 61.3/39

All: -160.931+/-43.947 χ^2/NDF: 95.7/80

\- sign -124.155+/-64.210 χ^2/NDF: 33.8/40



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 255.089+/-0.046 χ^2/NDF:6352208.6/23

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

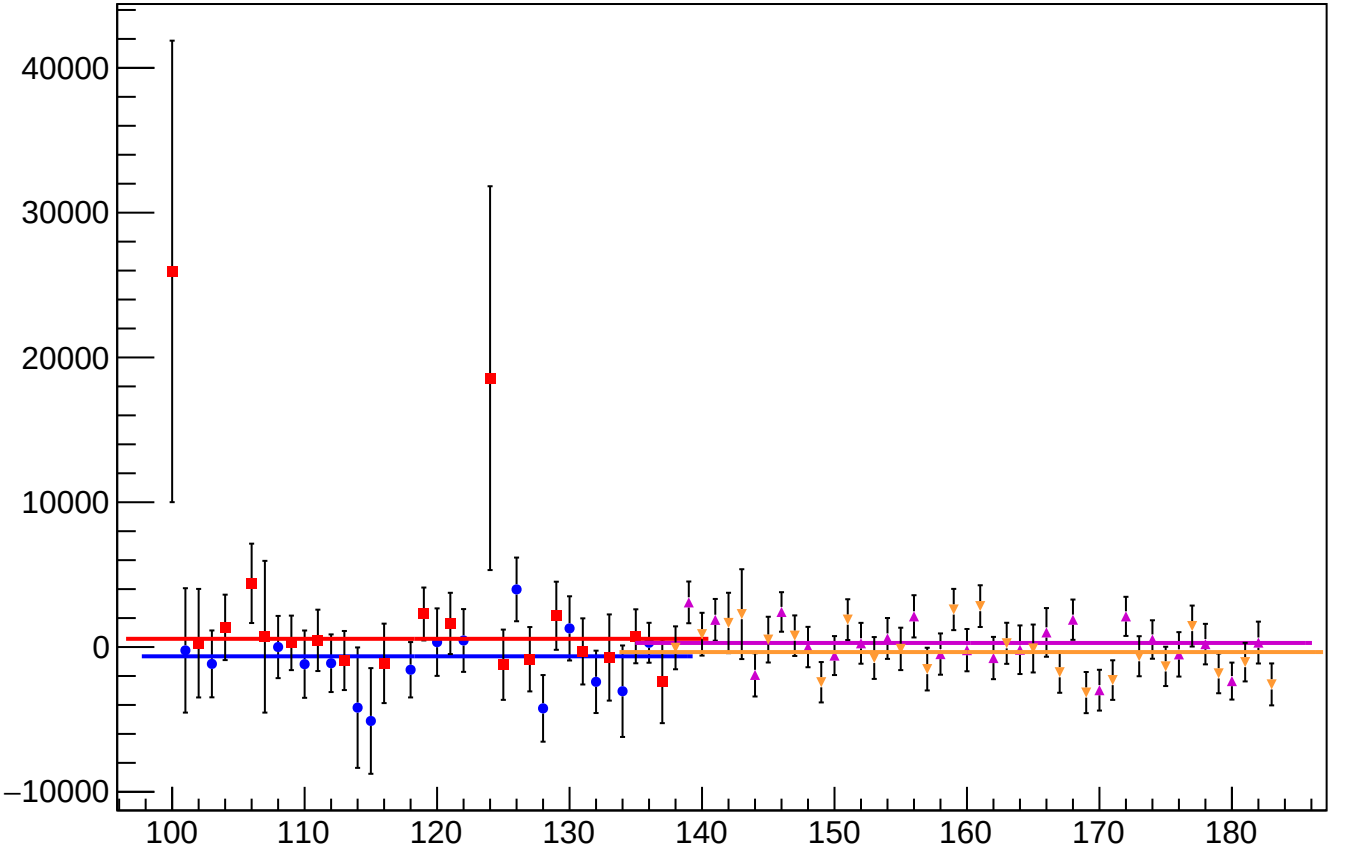
Left In: 275.870+/-0.049 χ^2/NDF:4022339.7/21

+ sign 270.968+/-0.043 χ^2/NDF: 11634892.8/39

All: 280.563+/-0.031 χ^2/NDF: 21029966.6/80

- sign 291.451+/-0.045 χ^2/NDF: 9286890.3/40

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -347.312+/-300.410 χ^2/NDF:31.0/23

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

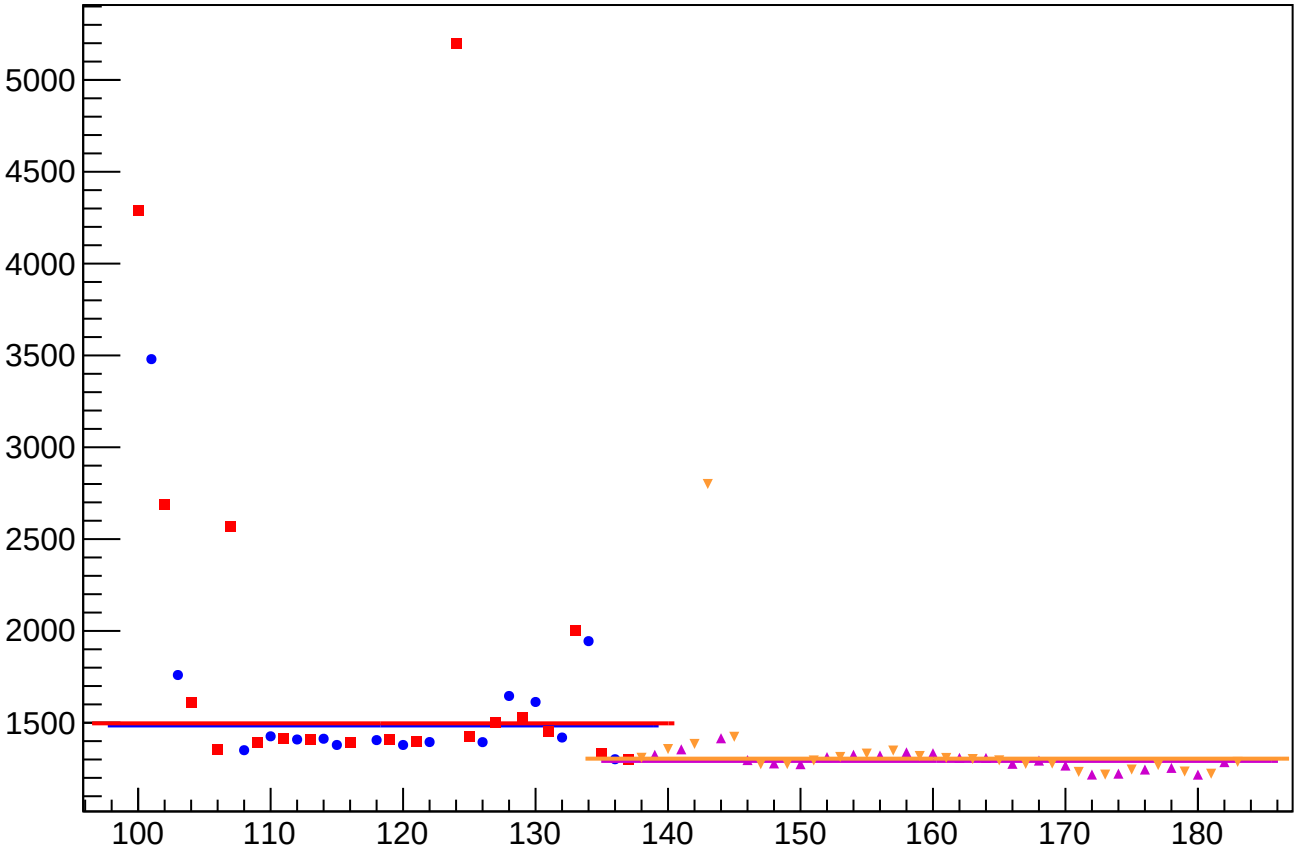
Left In: 281.747+/-304.427 χ^2/NDF:26.0/21

+ sign -412.115+/-265.181 χ^2/NDF: 43.7/39

All: -37.494+/-188.566 χ^2/NDF: 85.2/80

- sign 345.673+/-268.189 χ^2/NDF: 37.5/40

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1304.571+/-0.212 χ^2/NDF:519340.0/23

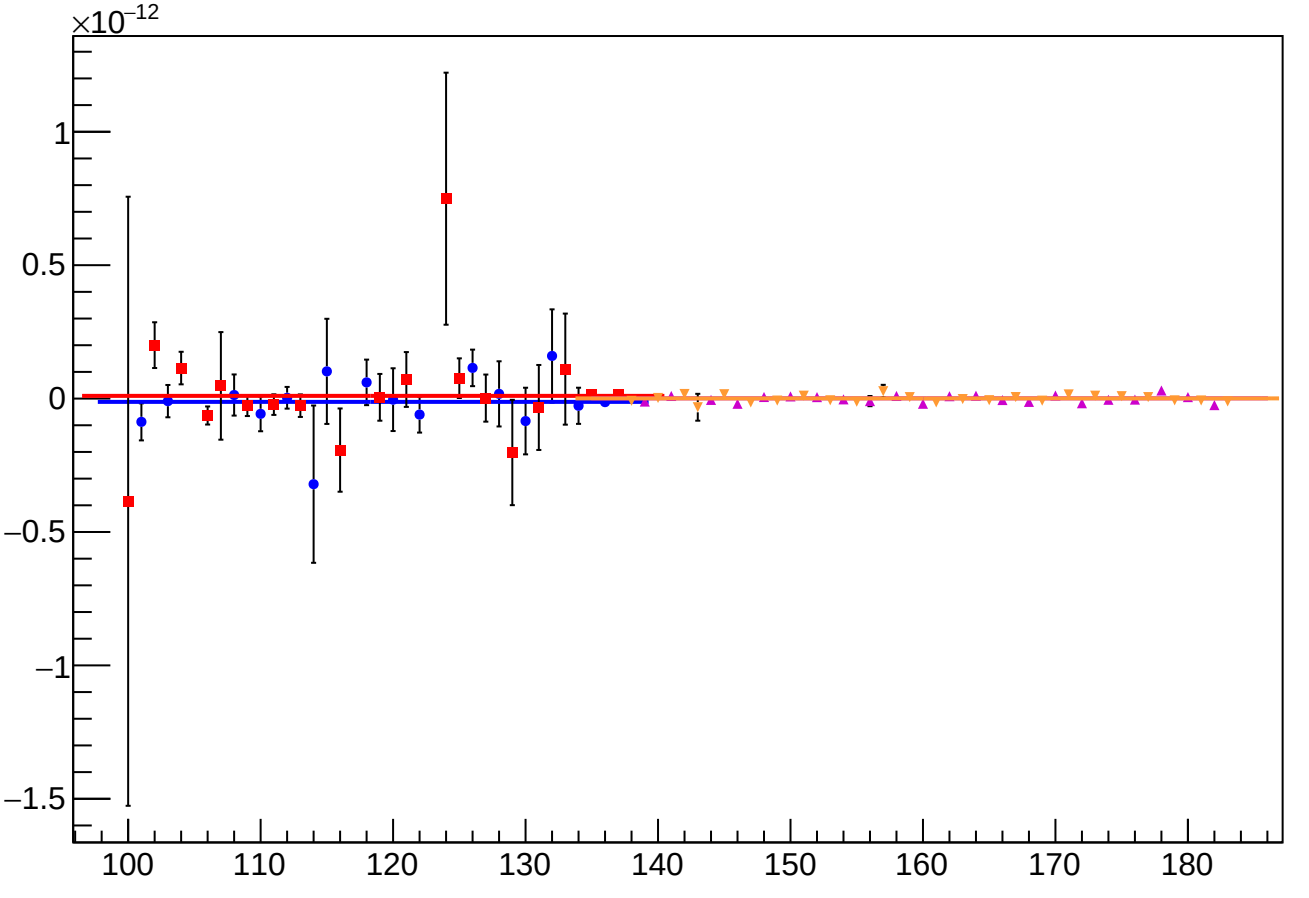
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.298+/-0.215 χ^2/NDF:48302.9/21

+ sign 1344.489+/-0.188 χ^2/NDF: 1263751.0/39

All: 1341.331+/-0.133 χ^2/NDF: 2138128.5/80

- sign 1338.102+/-0.190 χ^2/NDF: 873804.0/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/23

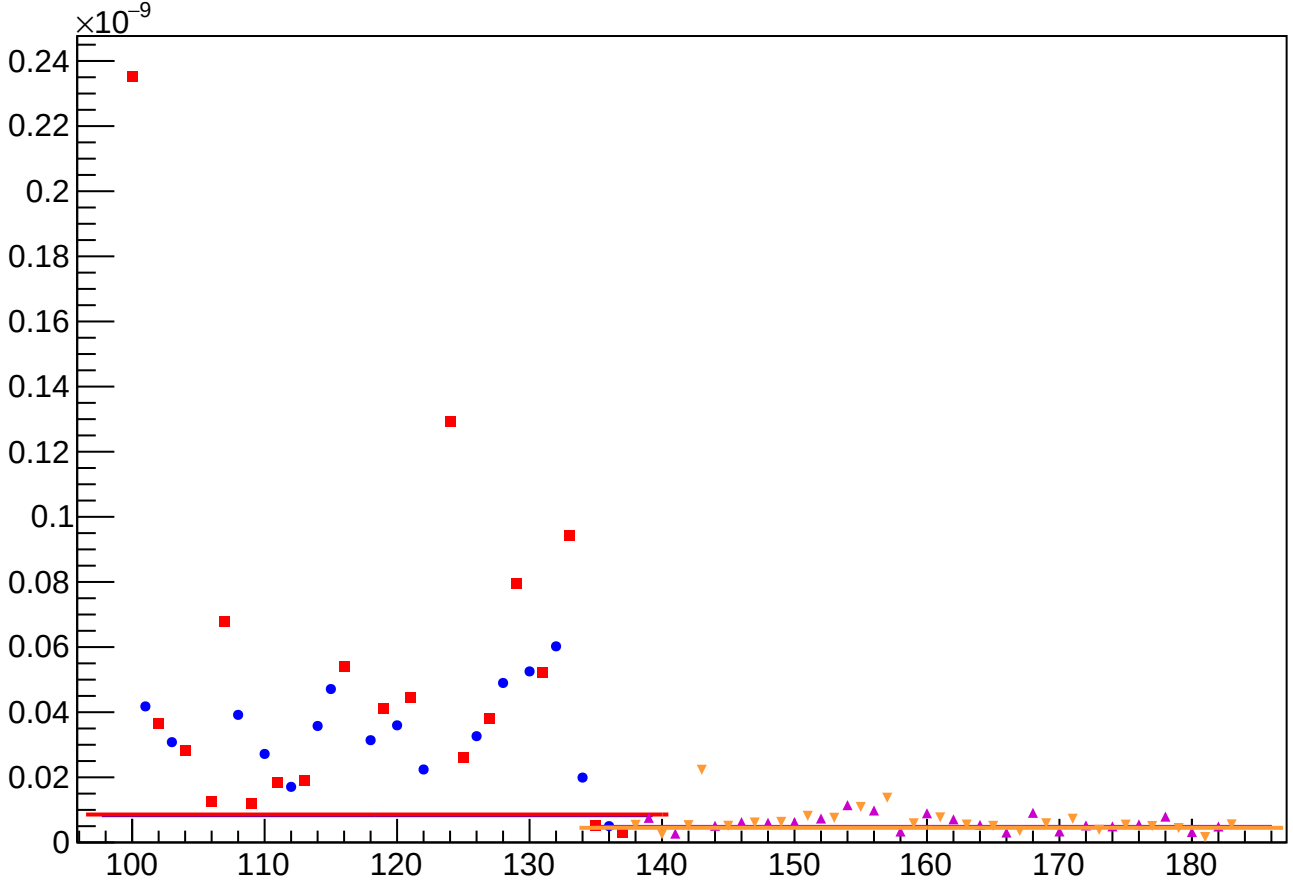
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/39

All: 0.000+/-0.000 χ^2/NDF: 89.3/80

- sign 0.000+/-0.000 χ^2/NDF: 53.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2705686.3/23

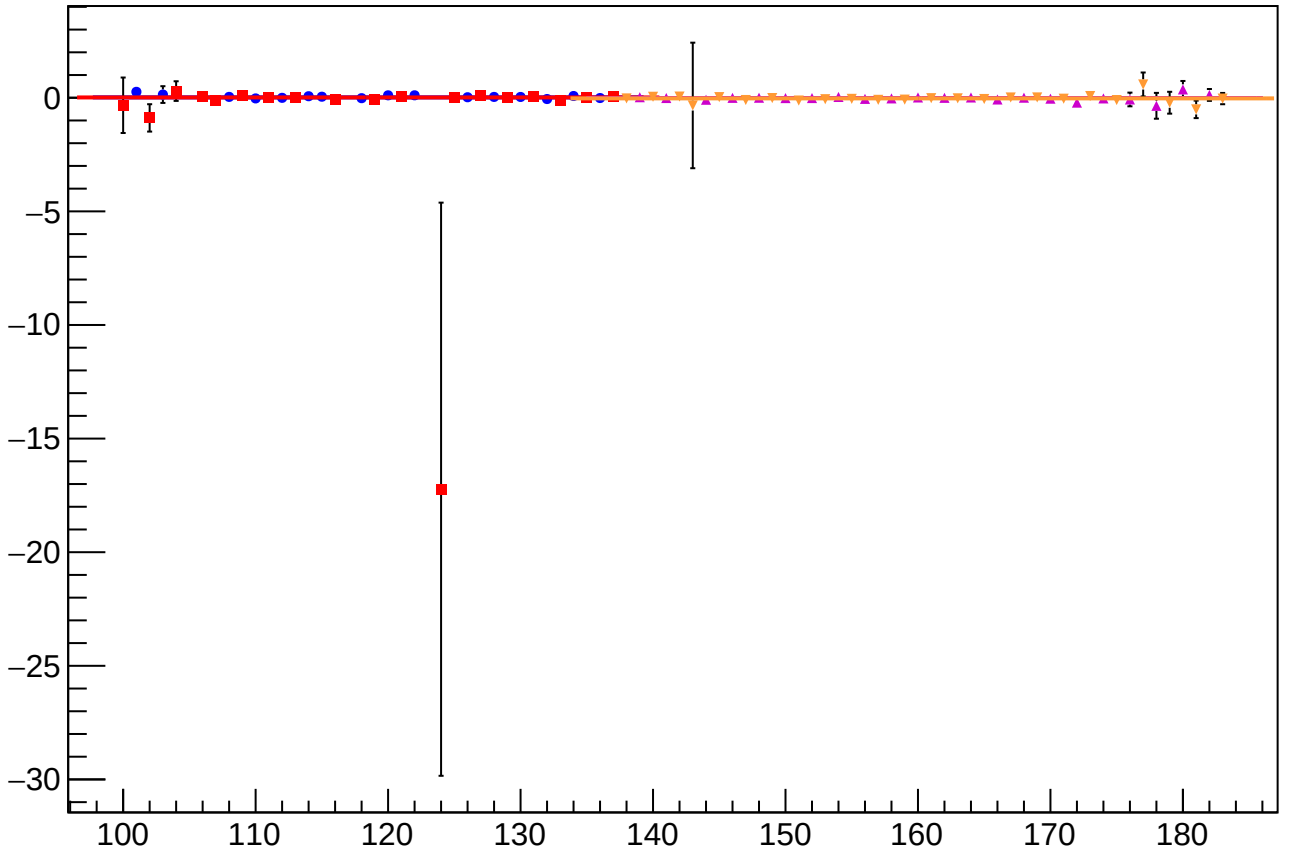
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884771.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 6279024.6/39

All: 0.000+/-0.000 χ^2/NDF: 11956260.2/80

- sign 0.000+/-0.000 χ^2/NDF: 5655713.0/40



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

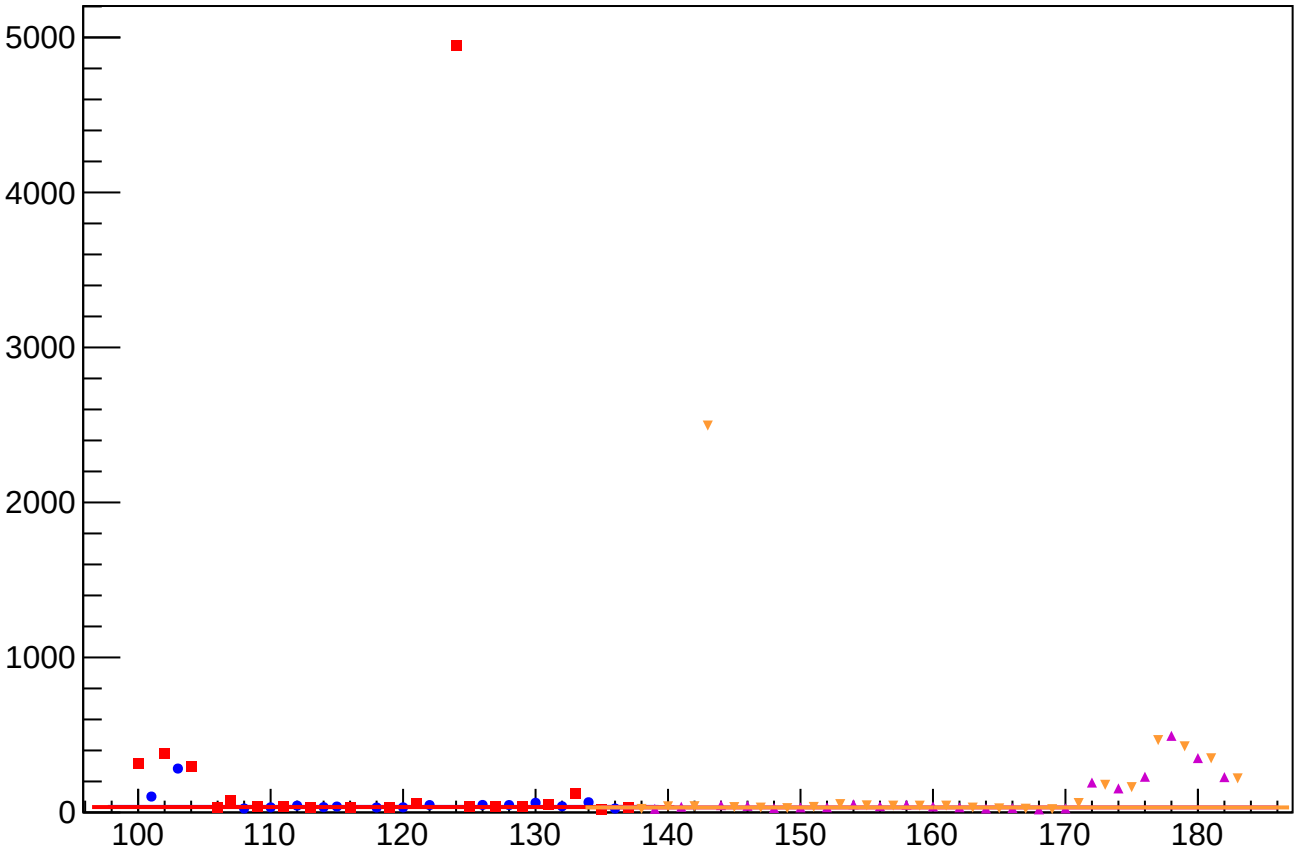
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.4/21

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 75.5/80

- sign -0.004+/-0.008 χ^2/NDF: 30.3/40



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.444+/-0.007 χ^2/NDF:10530020.3/23

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

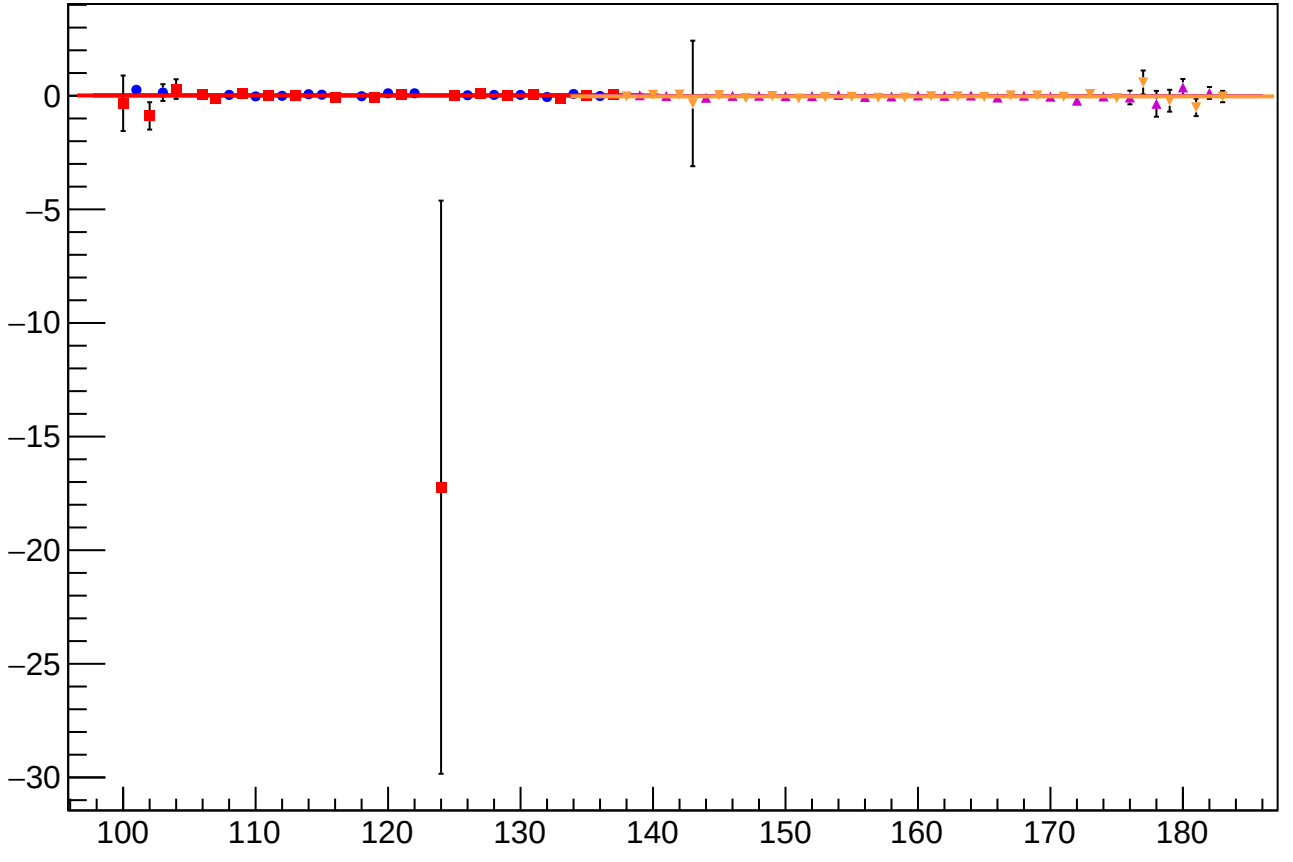
Left In: 32.628+/-0.007 χ^2/NDF:8549557.8/21

+ sign 33.351+/-0.006 χ^2/NDF: 12860894.2/39

All: 33.283+/-0.004 χ^2/NDF: 24353021.5/80

- sign 33.214+/-0.006 χ^2/NDF: 11491838.7/40

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

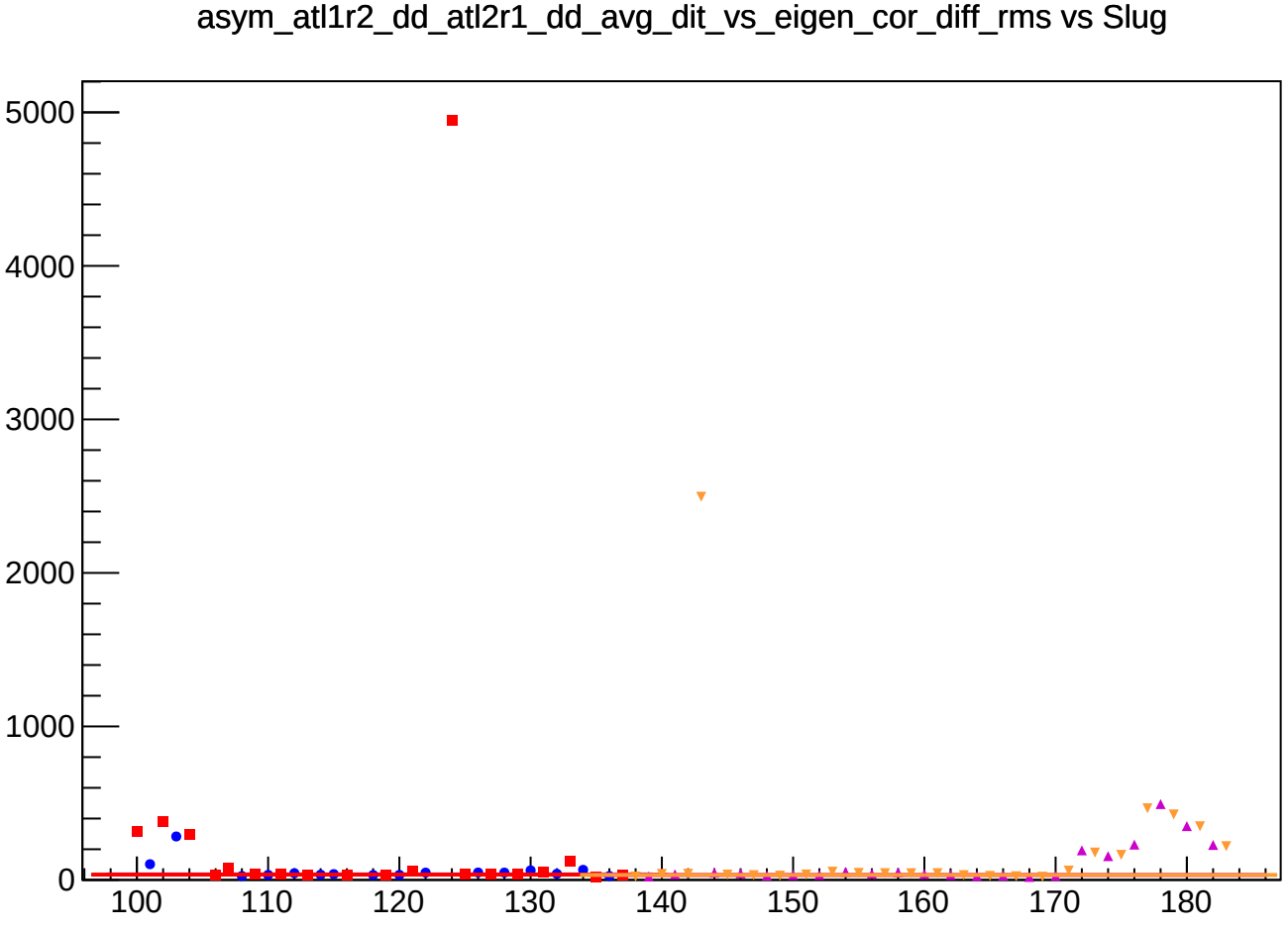
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.4/21

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 75.5/80

- sign -0.004+/-0.008 χ^2/NDF: 30.3/40



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.444+/-0.007 χ^2/NDF:10530020.3/23

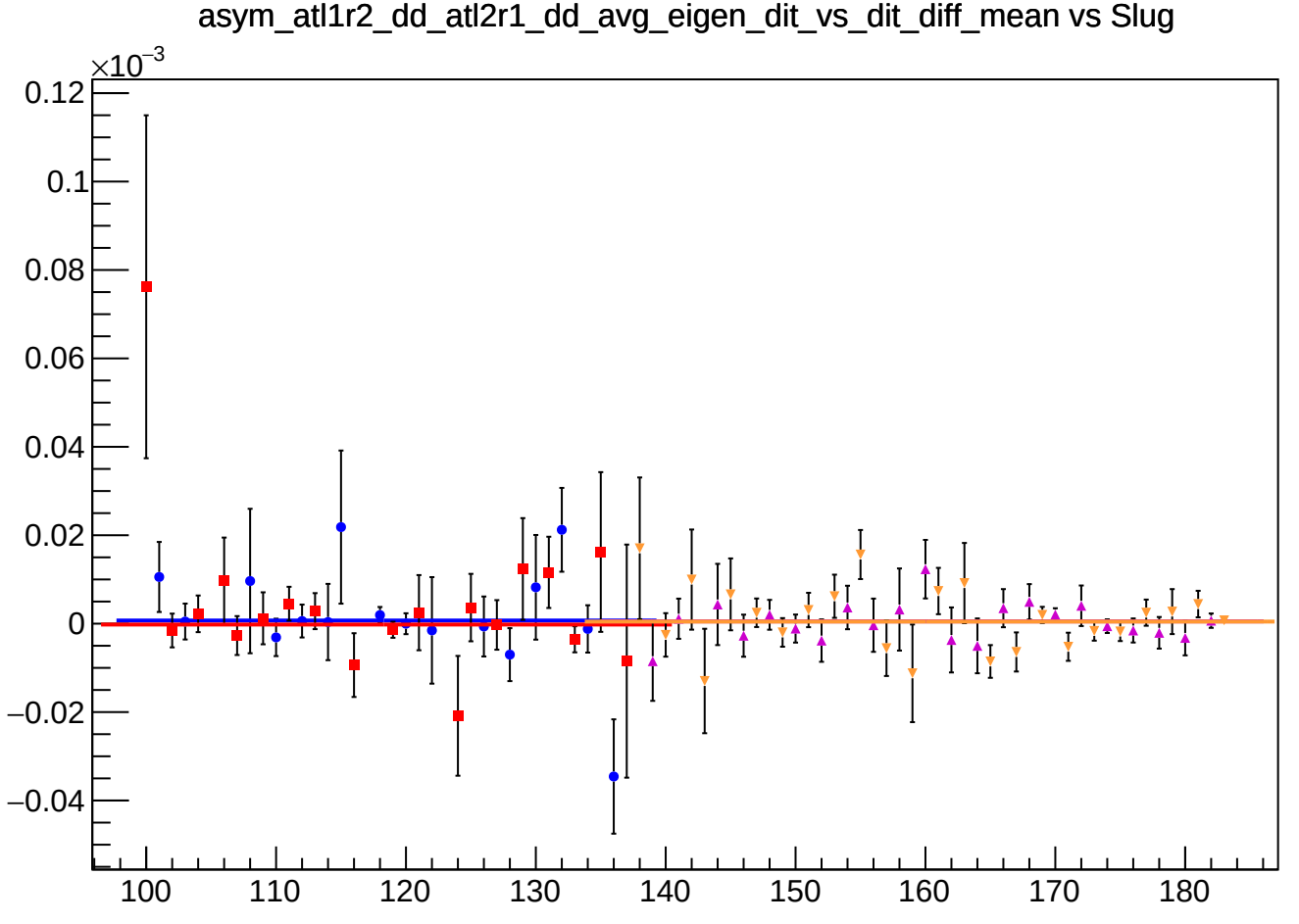
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.628+/-0.007 χ^2/NDF:8549557.8/21

+ sign 33.351+/-0.006 χ^2/NDF: 12860894.2/39

All: 33.283+/-0.004 χ^2/NDF: 24353021.5/80

- sign 33.214+/-0.006 χ^2/NDF: 11491838.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/23

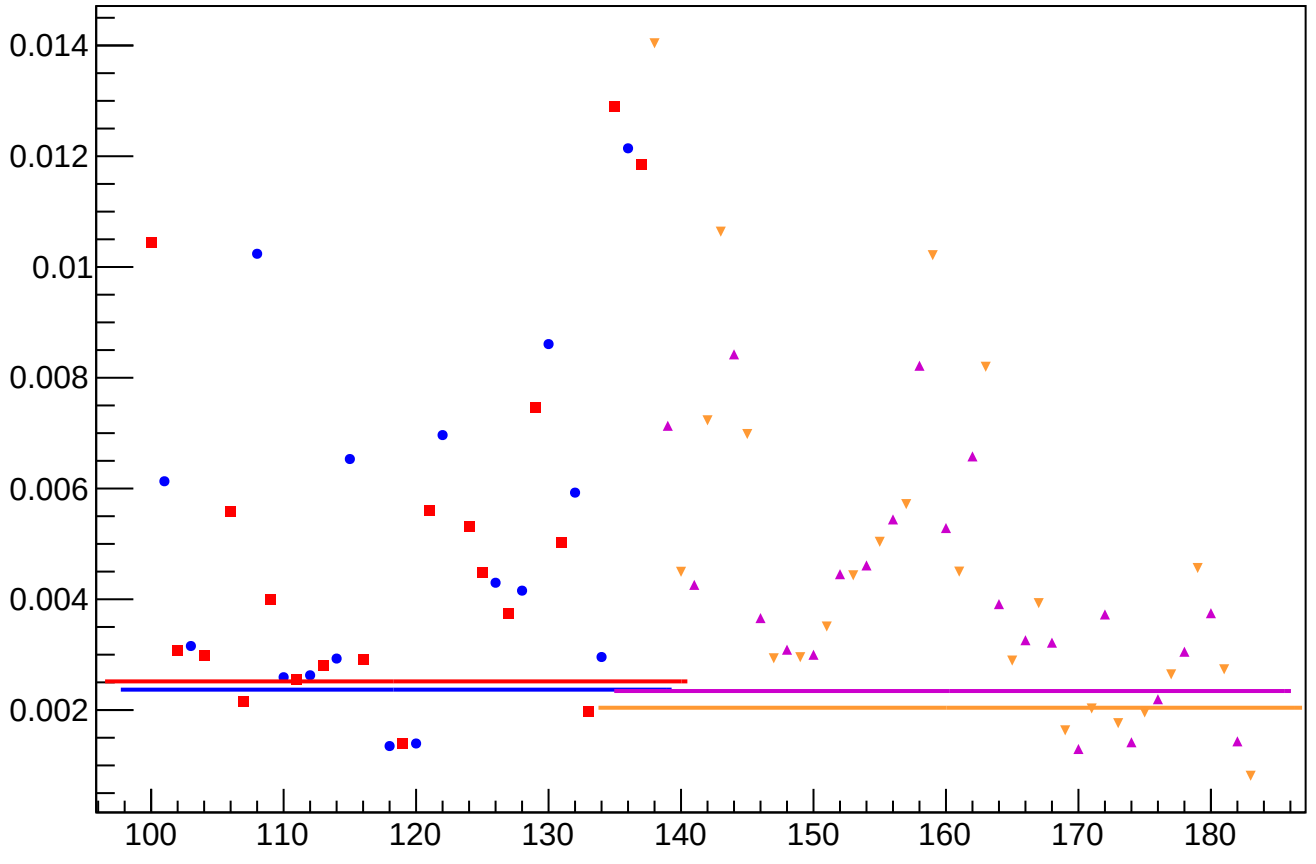
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/39

All: 0.000+/-0.000 χ^2/NDF: 87.0/80

- sign 0.000+/-0.000 χ^2/NDF: 32.1/40



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:13164720.2/23

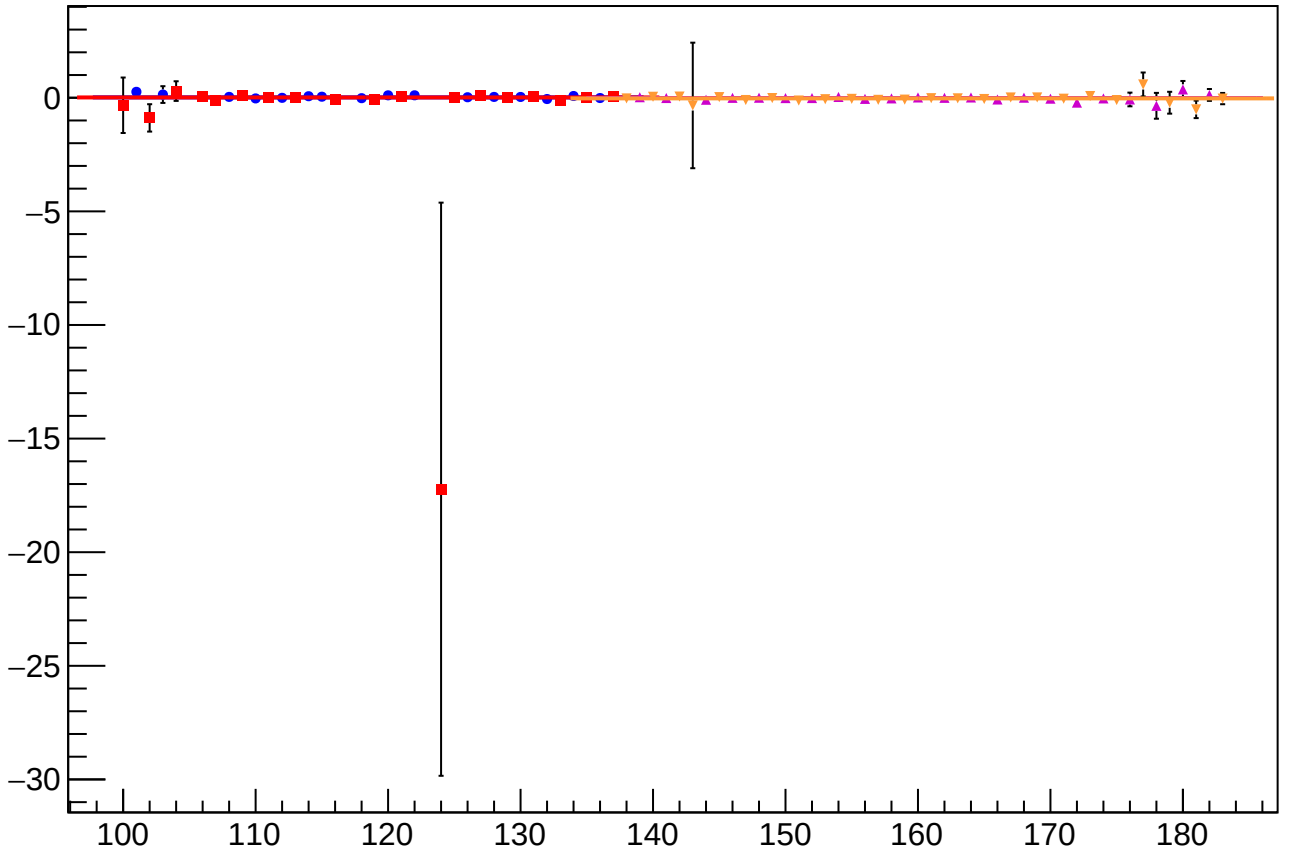
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:8565713.7/21

+ sign 0.002+/-0.000 χ^2/NDF: 18020952.9/39

All: 0.002+/-0.000 χ^2/NDF: 30277441.2/80

- sign 0.002+/-0.000 χ^2/NDF: 12001362.6/40



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

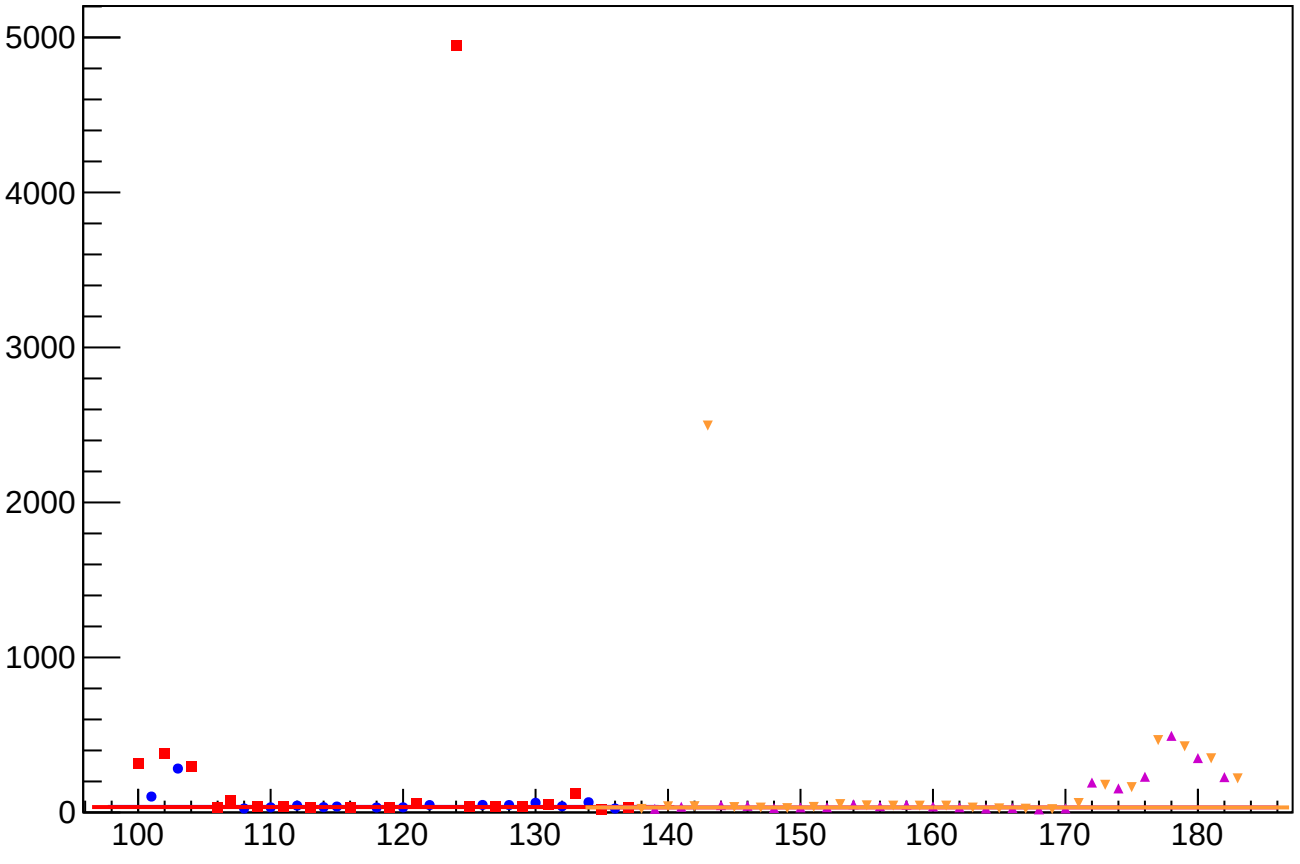
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.4/21

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 75.5/80

- sign -0.004+/-0.008 χ^2/NDF: 30.3/40



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.443+/-0.007 χ^2/NDF:10530277.3/23

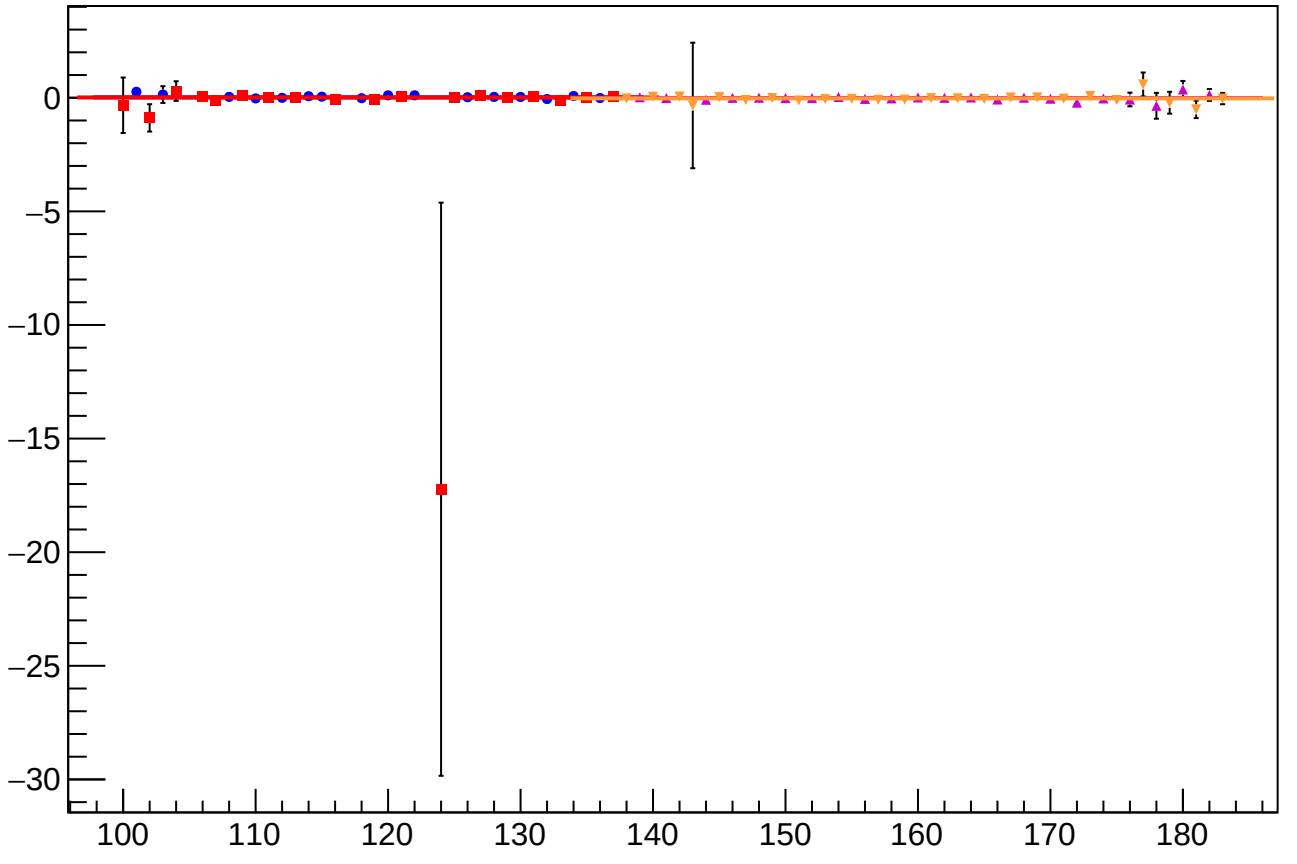
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

+ sign 33.352+/-0.006 χ^2/NDF: 12860941.3/39

All: 33.282+/-0.004 χ^2/NDF: 24353582.7/80

- sign 33.213+/-0.006 χ^2/NDF: 11492348.8/40



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

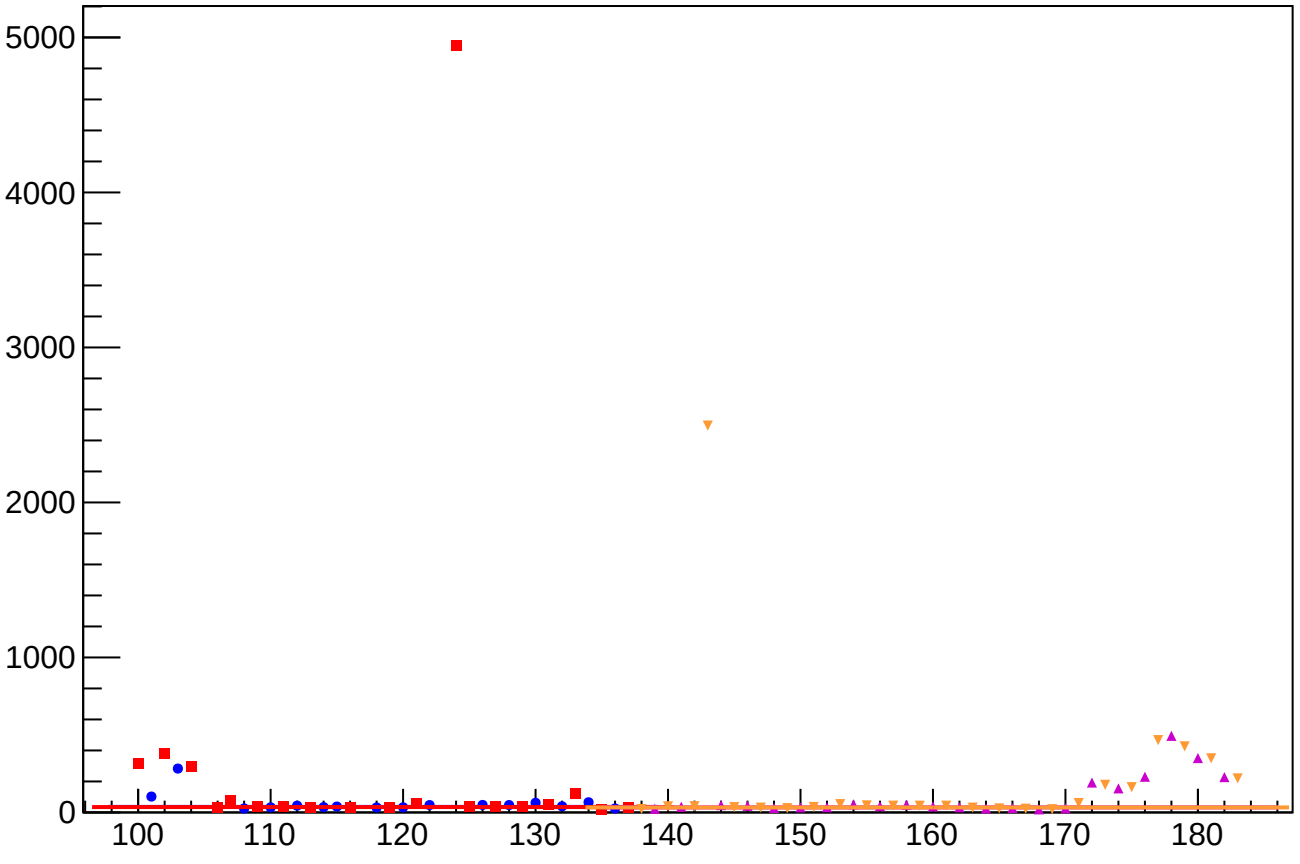
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.4/21

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 75.5/80

- sign -0.004+/-0.008 χ^2/NDF: 30.3/40



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.443+/-0.007 χ^2/NDF:10530277.3/23

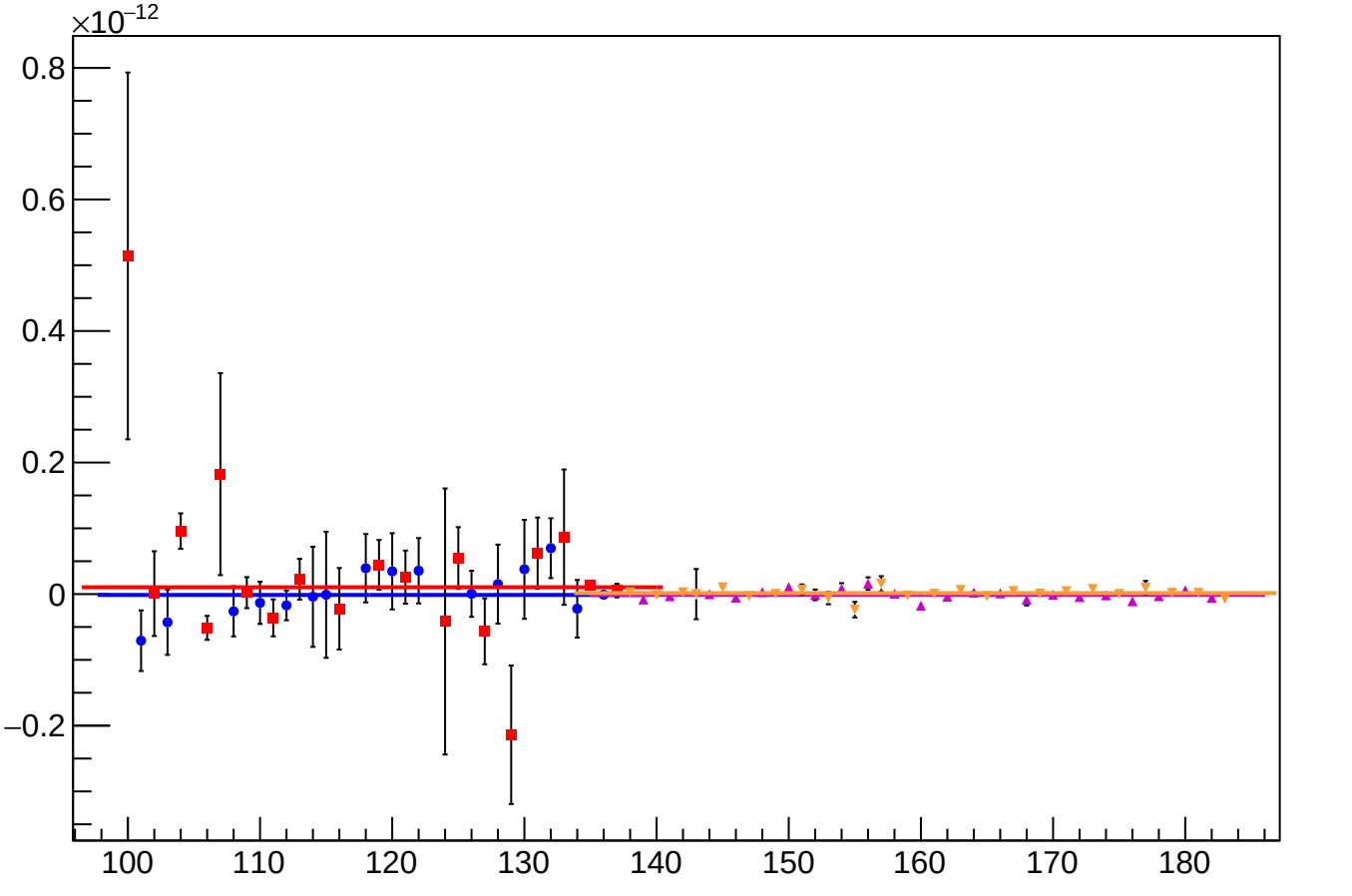
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.626+/-0.007 χ^2/NDF:8550184.6/21

+ sign 33.352+/-0.006 χ^2/NDF: 12860941.3/39

All: 33.282+/-0.004 χ^2/NDF: 24353582.7/80

- sign 33.213+/-0.006 χ^2/NDF: 11492348.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/23

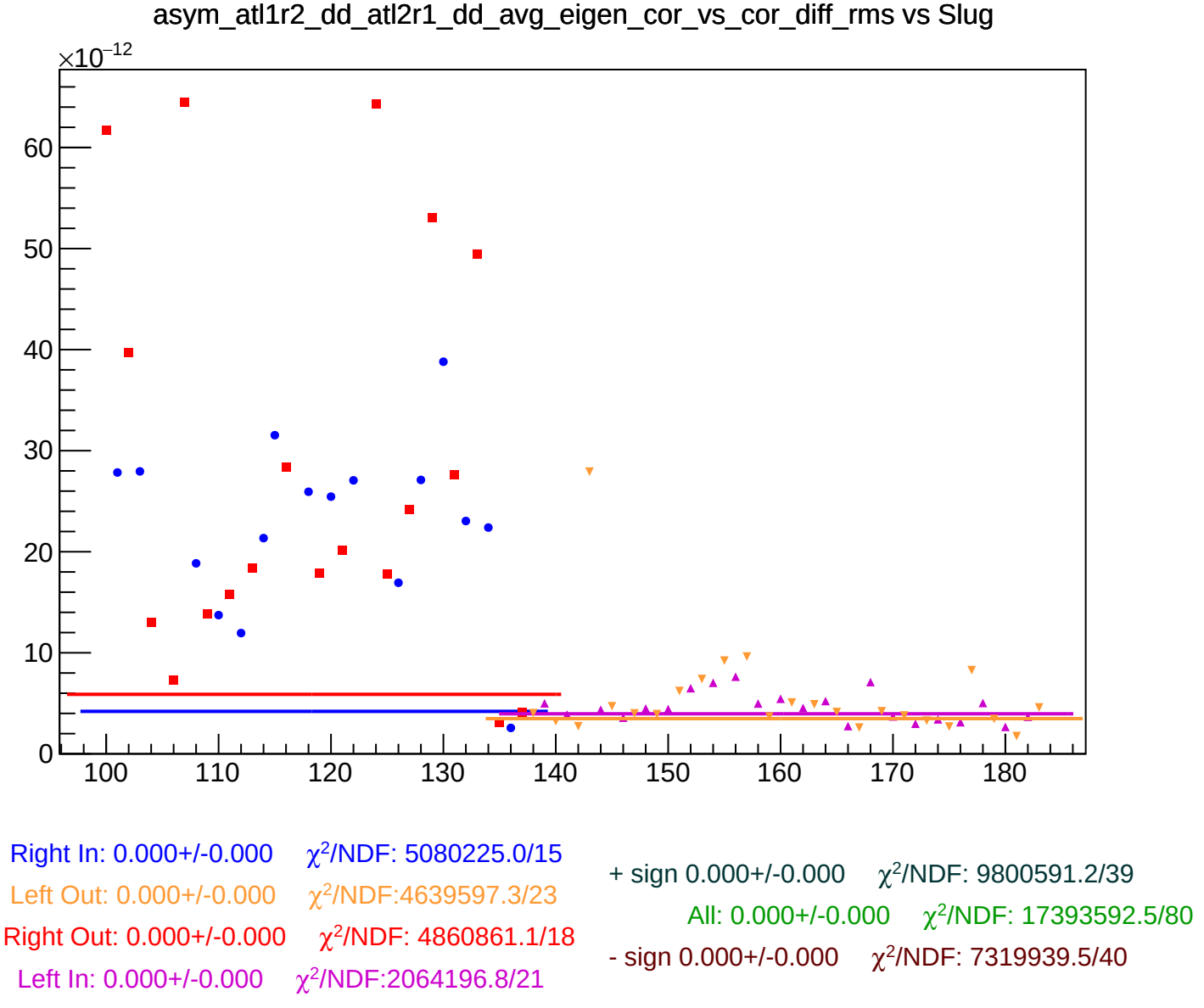
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:28.5/21

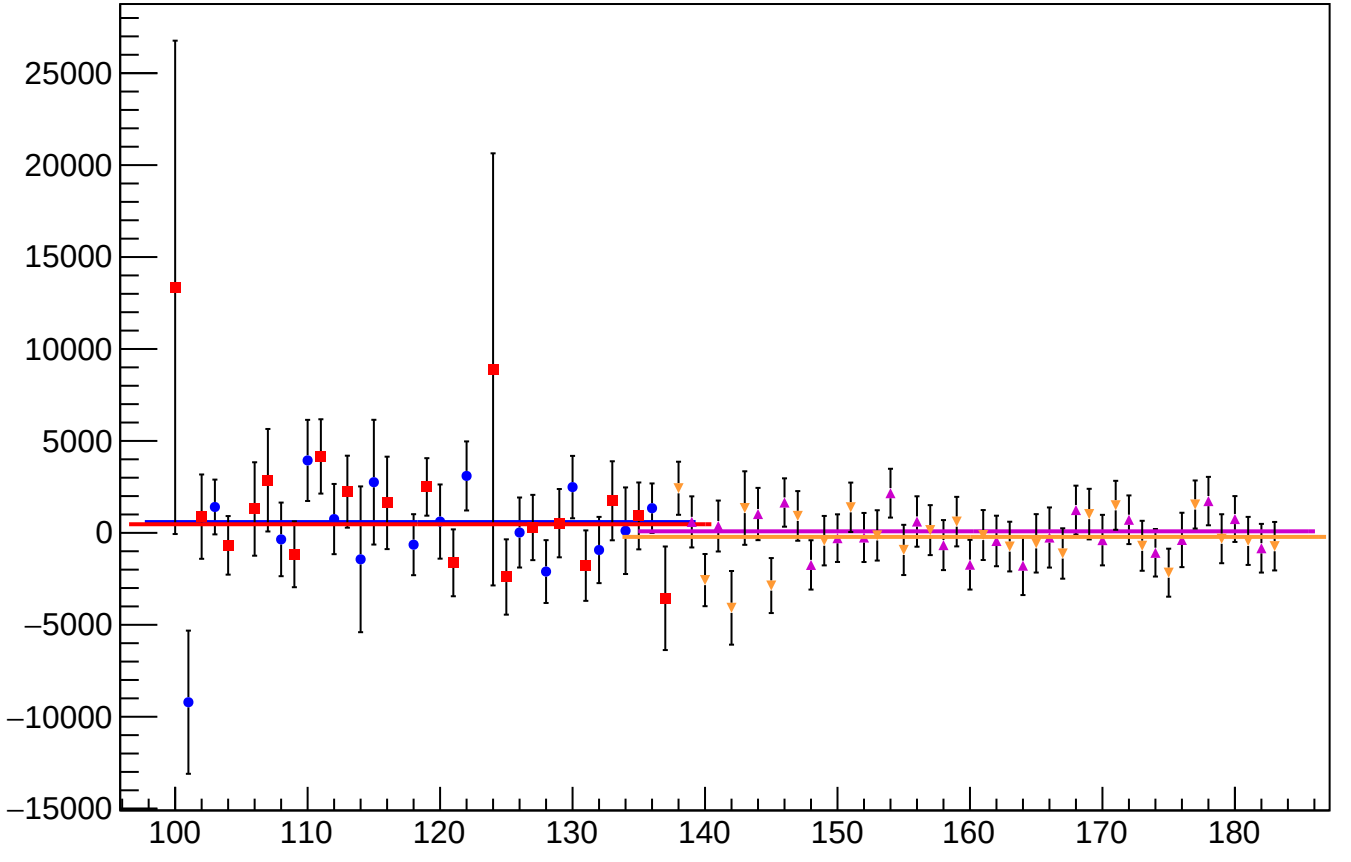
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/39

All: 0.000+/-0.000 χ^2/NDF: 103.7/80

- sign -0.000+/-0.000 χ^2/NDF: 75.4/40


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4639597.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:2064196.8/21
+ sign 0.000+/-0.000 χ²/NDF: 9800591.2/39
All: 0.000+/-0.000 χ²/NDF: 17393592.5/80
- sign 0.000+/-0.000 χ²/NDF: 7319939.5/40

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.245+/-285.239 χ^2/NDF:23.9/23

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

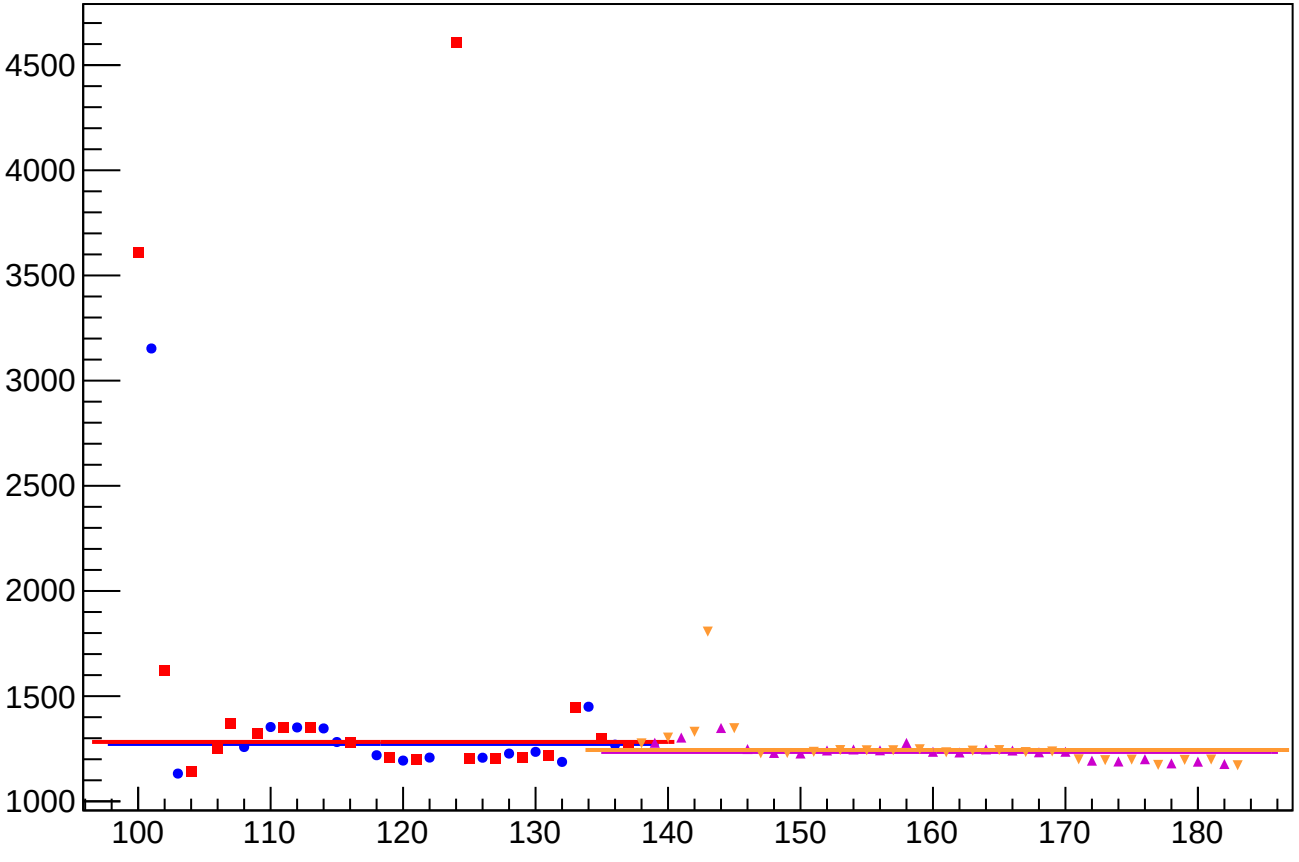
Left In: 84.065+/-290.828 χ^2/NDF:14.6/21

+ sign -10.423+/-245.533 χ^2/NDF: 43.1/39

All: 87.116+/-174.764 χ^2/NDF: 75.3/80

- sign 187.272+/-248.806 χ^2/NDF: 32.0/40

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

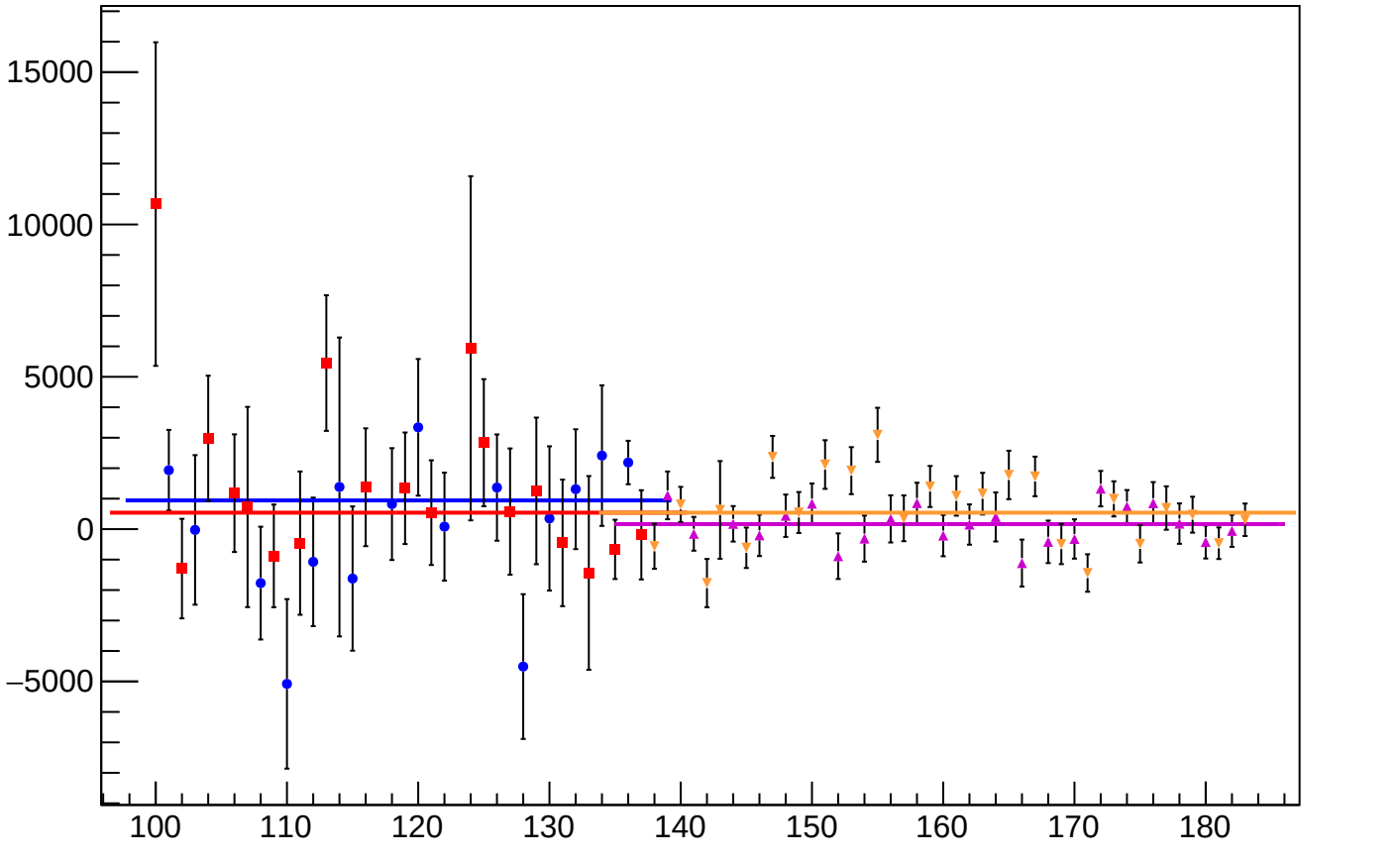
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

+ sign 1251.458+/-0.174 χ^2/NDF: 725672.5/39

All: 1249.531+/-0.124 χ^2/NDF: 1100170.4/80

- sign 1247.553+/-0.176 χ^2/NDF: 374248.3/40



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 540.319+/-137.250 χ^2/NDF:65.7/23

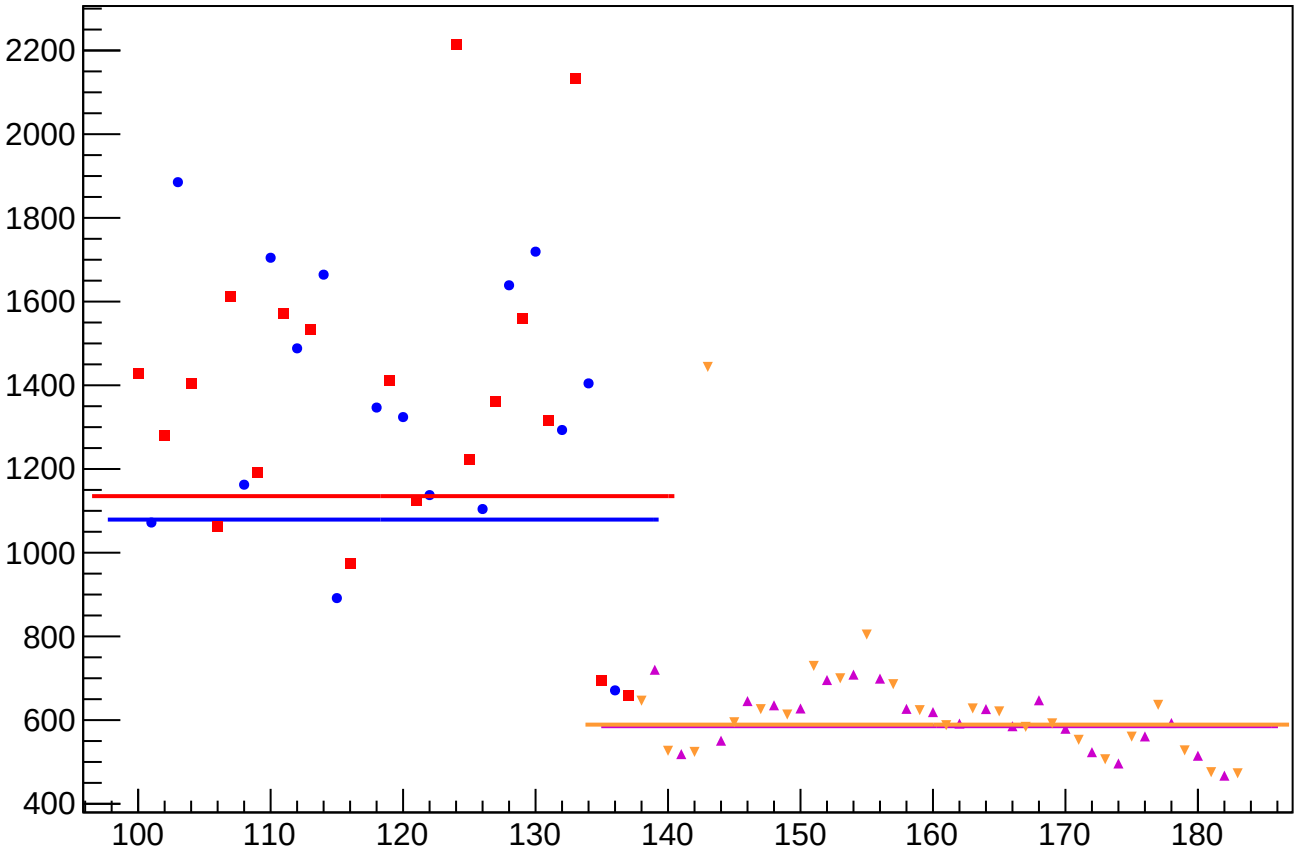
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 165.133+/-139.105 χ^2/NDF:18.6/21

\+ sign 578.097+/-130.632 χ^2/NDF: 86.4/39

All: 391.558+/-93.070 χ^2/NDF: 127.0/80

\- sign 199.266+/-132.632 χ^2/NDF: 36.5/40



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 589.206+/-0.097 χ^2/NDF:1168729.8/23

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

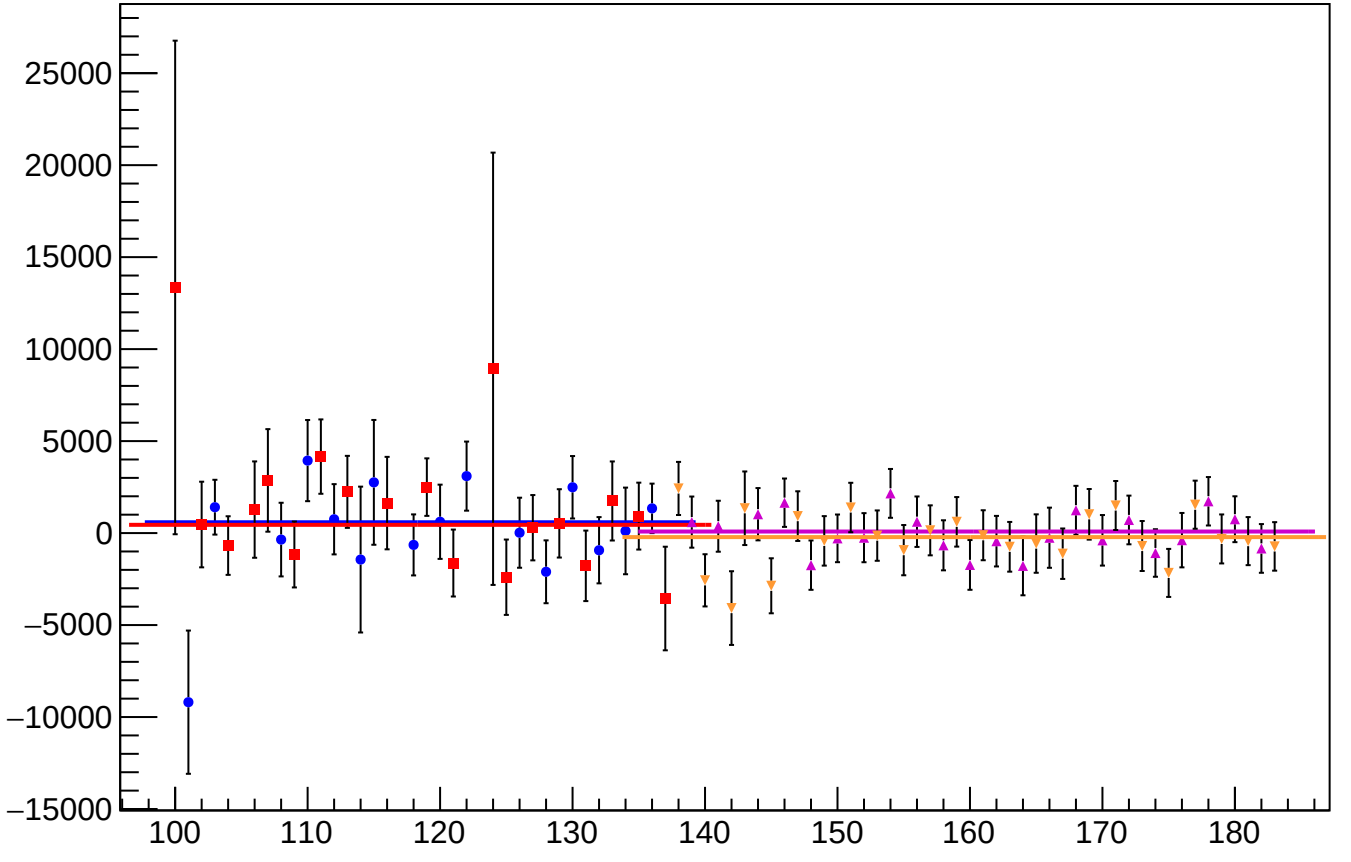
Left In: 585.445+/-0.098 χ^2/NDF:517567.4/21

+ sign 635.310+/-0.092 χ^2/NDF: 5049019.3/39

All: 635.362+/-0.066 χ^2/NDF: 9698893.0/80

- sign 635.415+/-0.094 χ^2/NDF: 4649873.1/40

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.287+/-285.239 χ^2/NDF:23.9/23

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

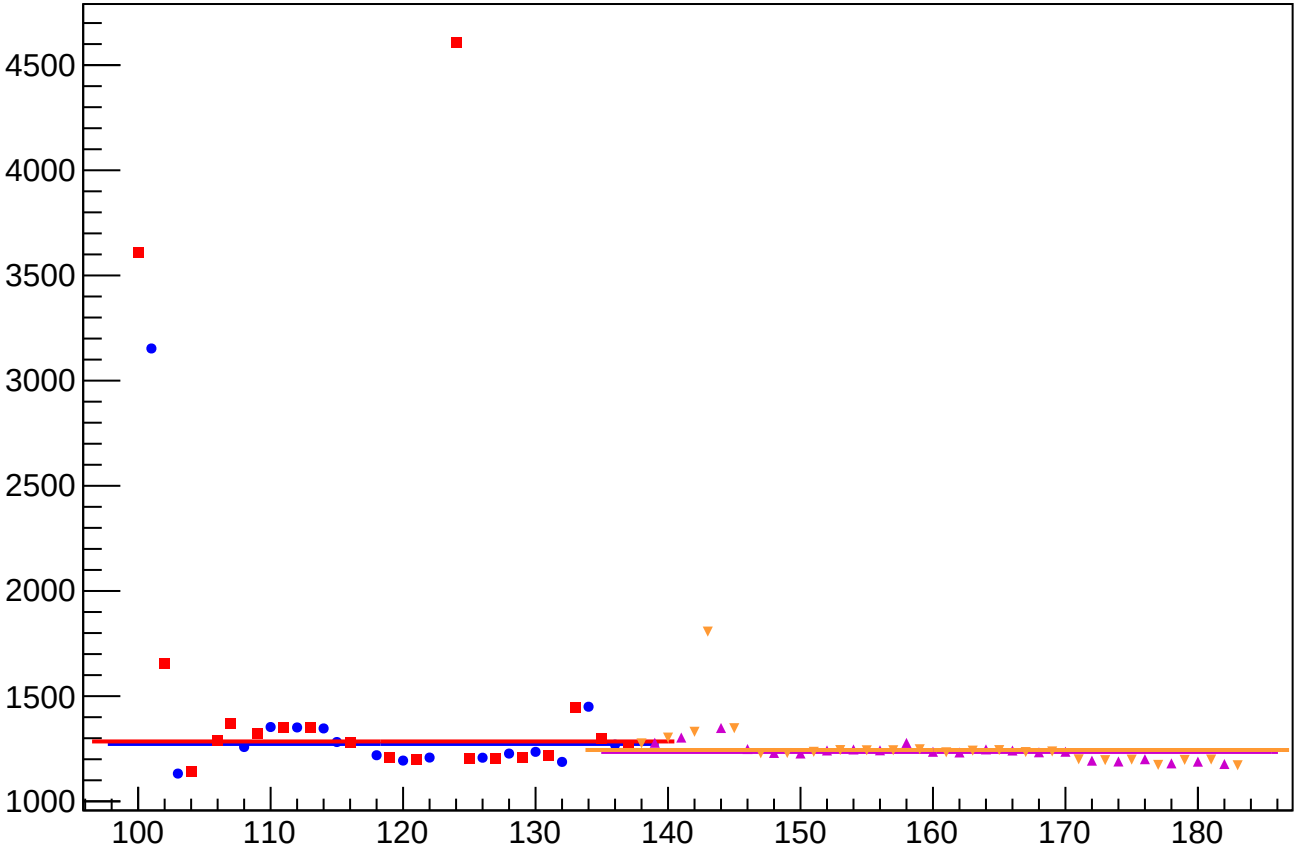
Left In: 84.117+/-290.828 χ^2/NDF:14.6/21

+ sign -10.371+/-245.533 χ^2/NDF: 43.0/39

All: 84.272+/-174.803 χ^2/NDF: 75.2/80

- sign 181.544+/-248.919 χ^2/NDF: 31.9/40

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

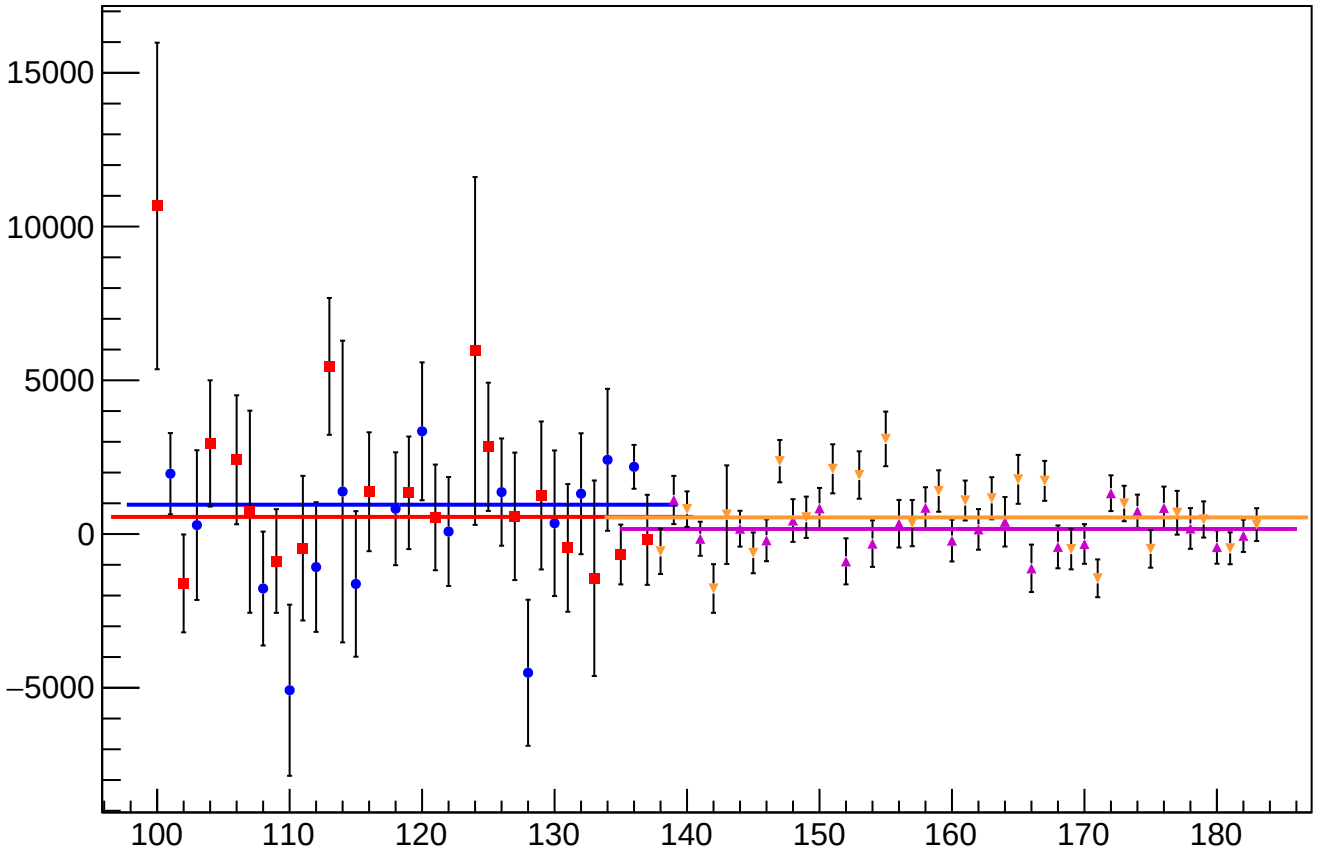
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

+ sign 1251.458+/-0.174 χ^2/NDF: 725673.9/39

All: 1249.819+/-0.124 χ^2/NDF: 1108134.0/80

- sign 1248.134+/-0.176 χ^2/NDF: 382279.3/40



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

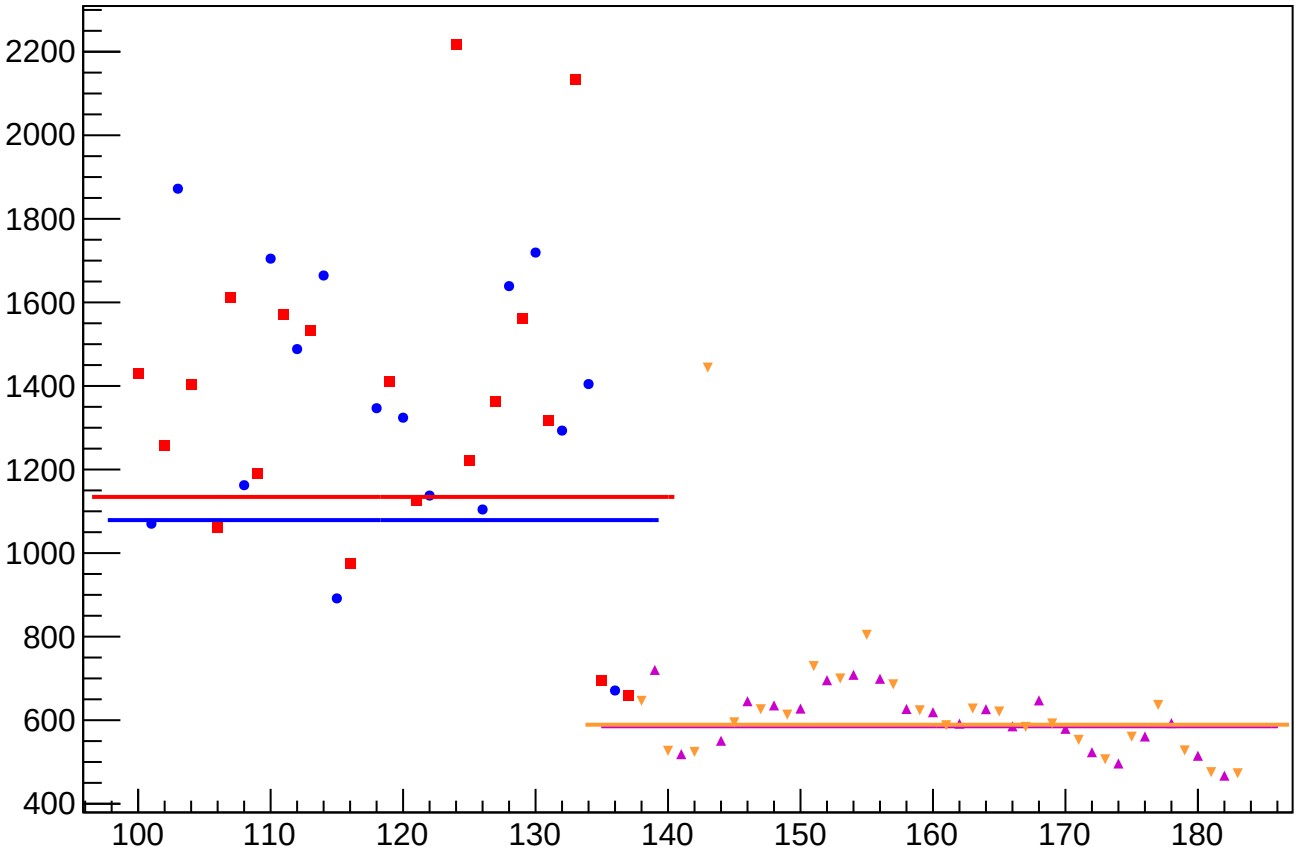
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 165.131+/-139.104 χ^2/NDF:18.6/21

+ sign 579.289+/-130.628 χ^2/NDF: 86.4/39

All: 392.914+/-93.076 χ^2/NDF: 128.3/80

- sign 200.712+/-132.654 χ^2/NDF: 37.7/40



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 589.211+/-0.097 χ^2/NDF:1168627.5/23

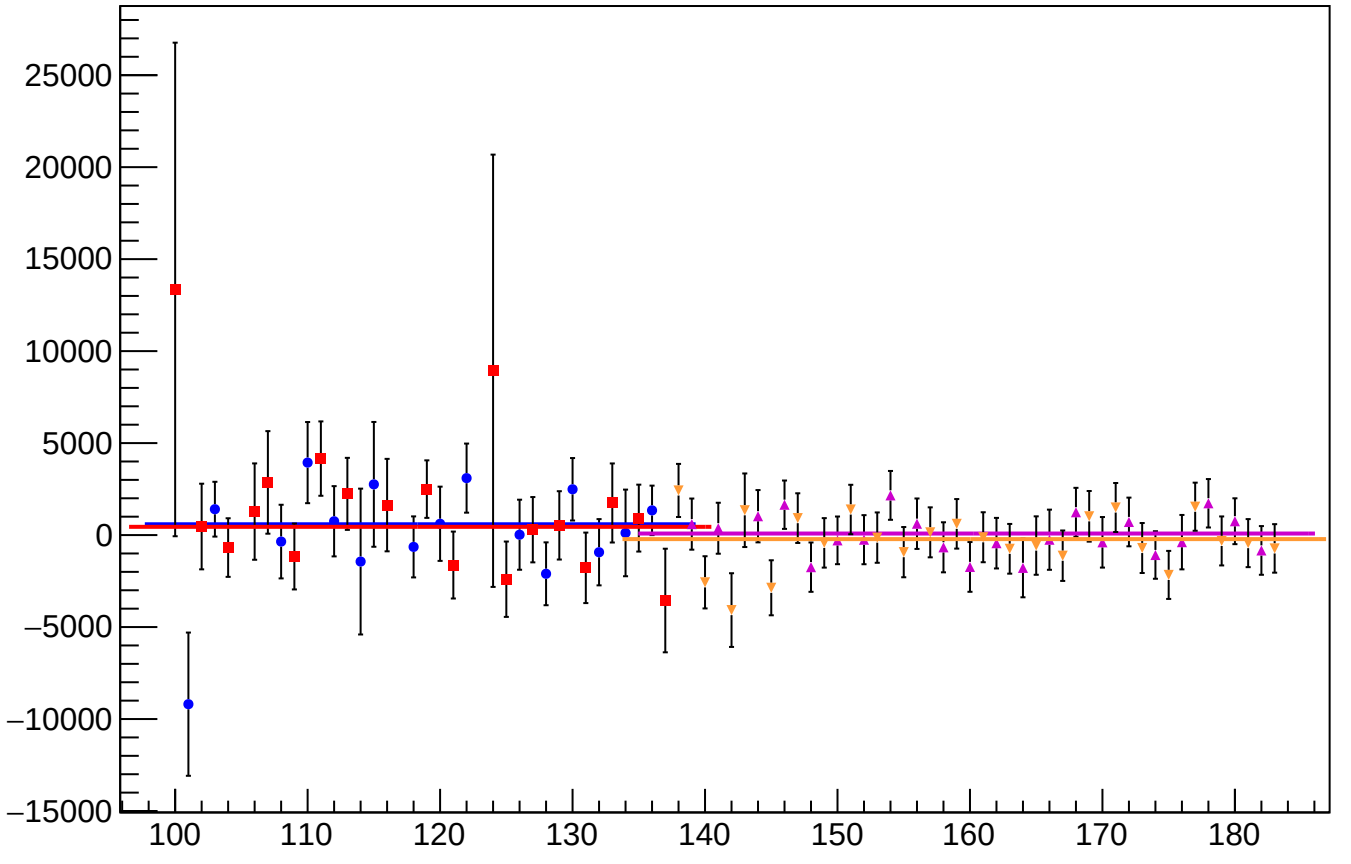
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

+ sign 635.332+/-0.092 χ^2/NDF: 5045313.3/39

All: 635.252+/-0.066 χ^2/NDF: 9673529.0/80

- sign 635.170+/-0.094 χ^2/NDF: 4628214.2/40



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -219.287+/-285.239 χ^2/NDF:23.9/23

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

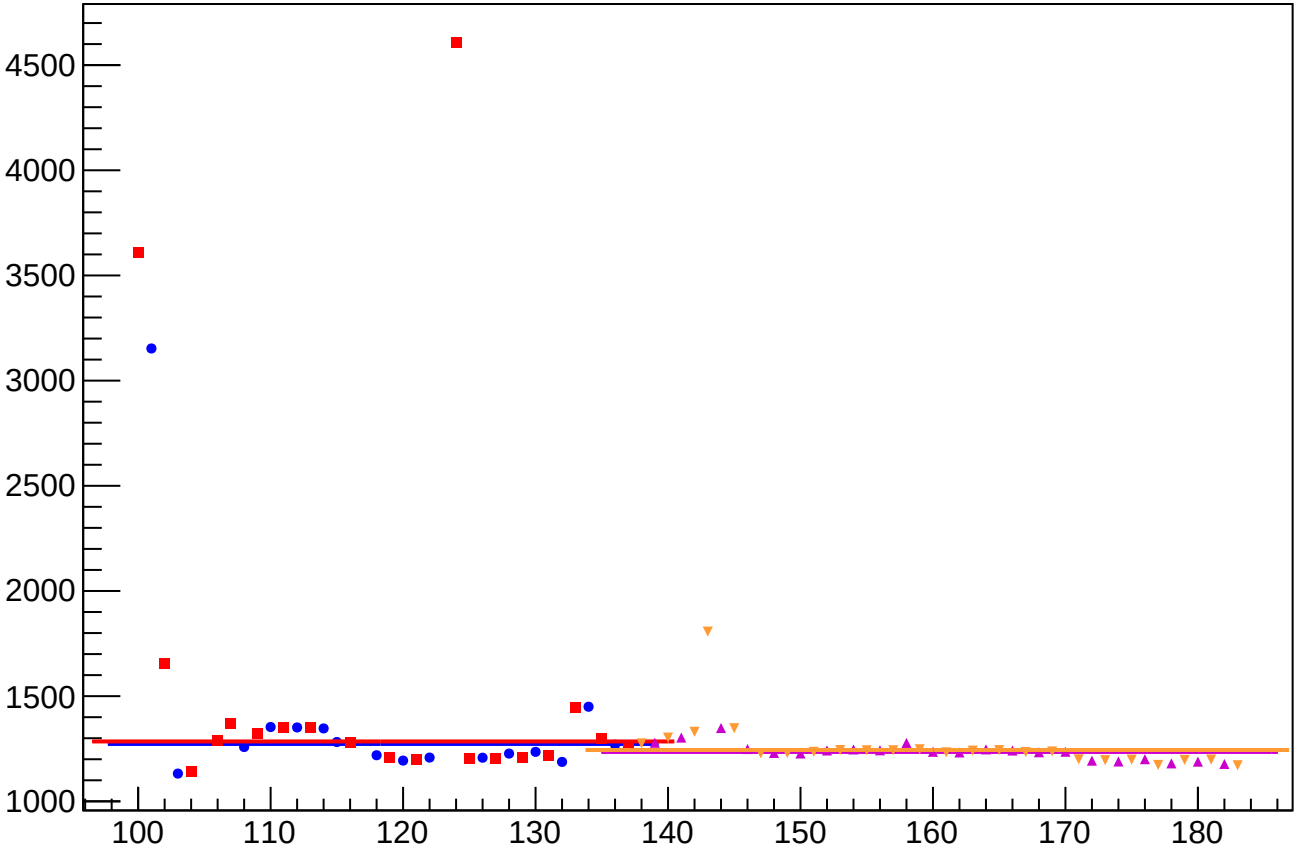
Left In: 84.117+/-290.828 χ^2/NDF:14.6/21

\+ sign -10.371+/-245.533 χ^2/NDF: 43.0/39

All: 84.272+/-174.803 χ^2/NDF: 75.2/80

\- sign 181.544+/-248.919 χ^2/NDF: 31.9/40

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1243.996+/-0.202 χ^2/NDF:201089.9/23

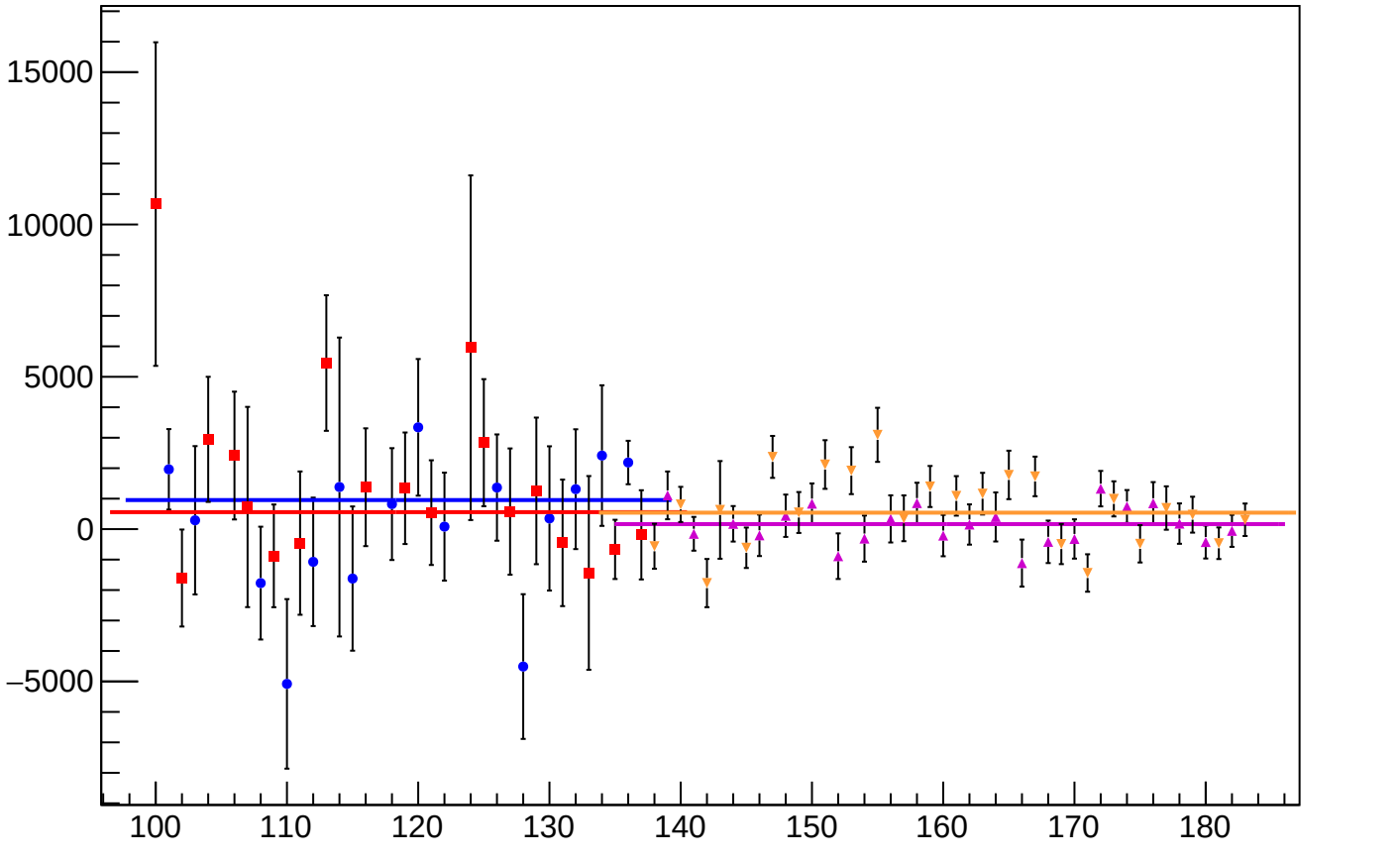
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1234.801+/-0.206 χ^2/NDF:37827.2/21

+ sign 1251.458+/-0.174 χ^2/NDF: 725673.9/39

All: 1249.819+/-0.124 χ^2/NDF: 1108134.0/80

- sign 1248.134+/-0.176 χ^2/NDF: 382279.3/40



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

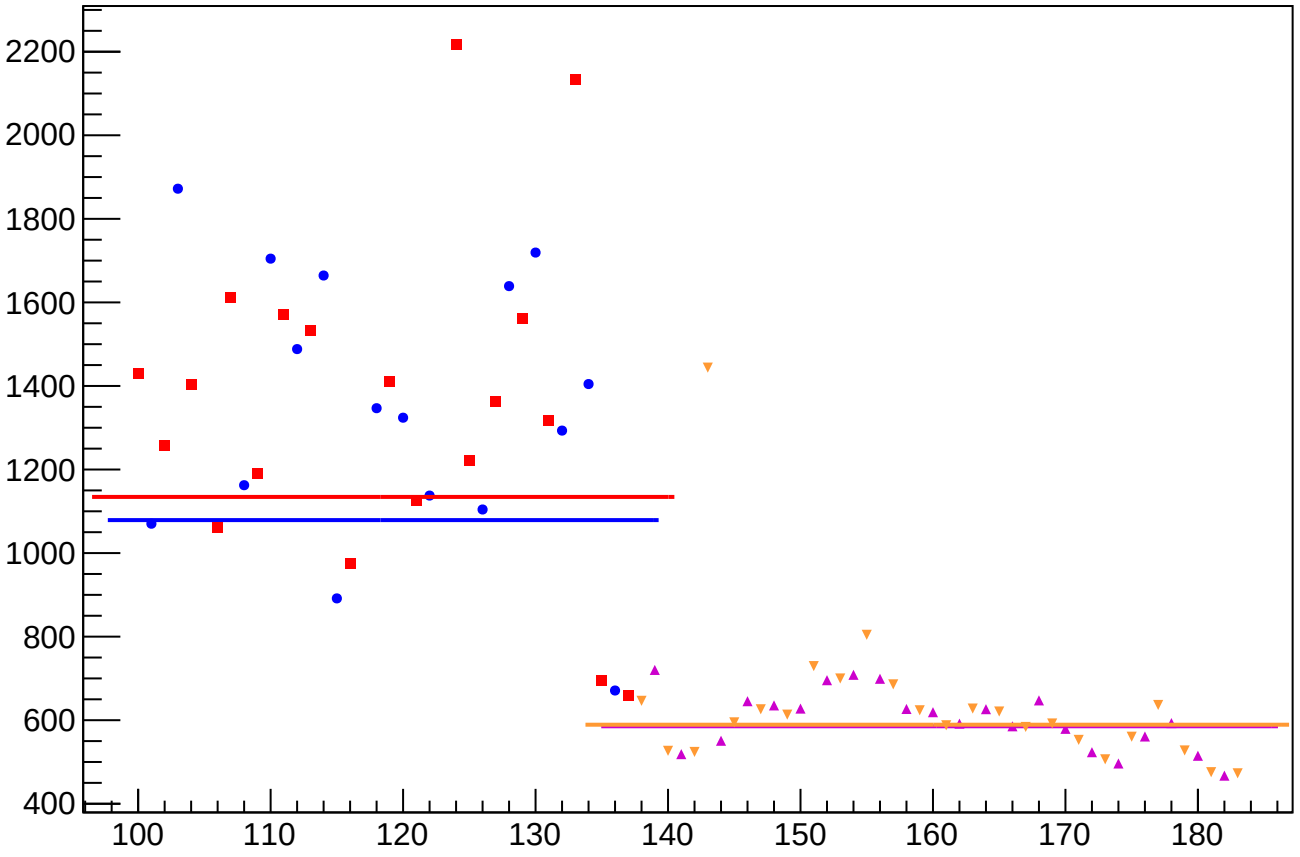
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 165.131+/-139.104 χ^2/NDF:18.6/21

+ sign 579.289+/-130.628 χ^2/NDF: 86.4/39

All: 392.914+/-93.076 χ^2/NDF: 128.3/80

- sign 200.712+/-132.654 χ^2/NDF: 37.7/40



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 589.211+/-0.097 χ^2/NDF:1168627.5/23

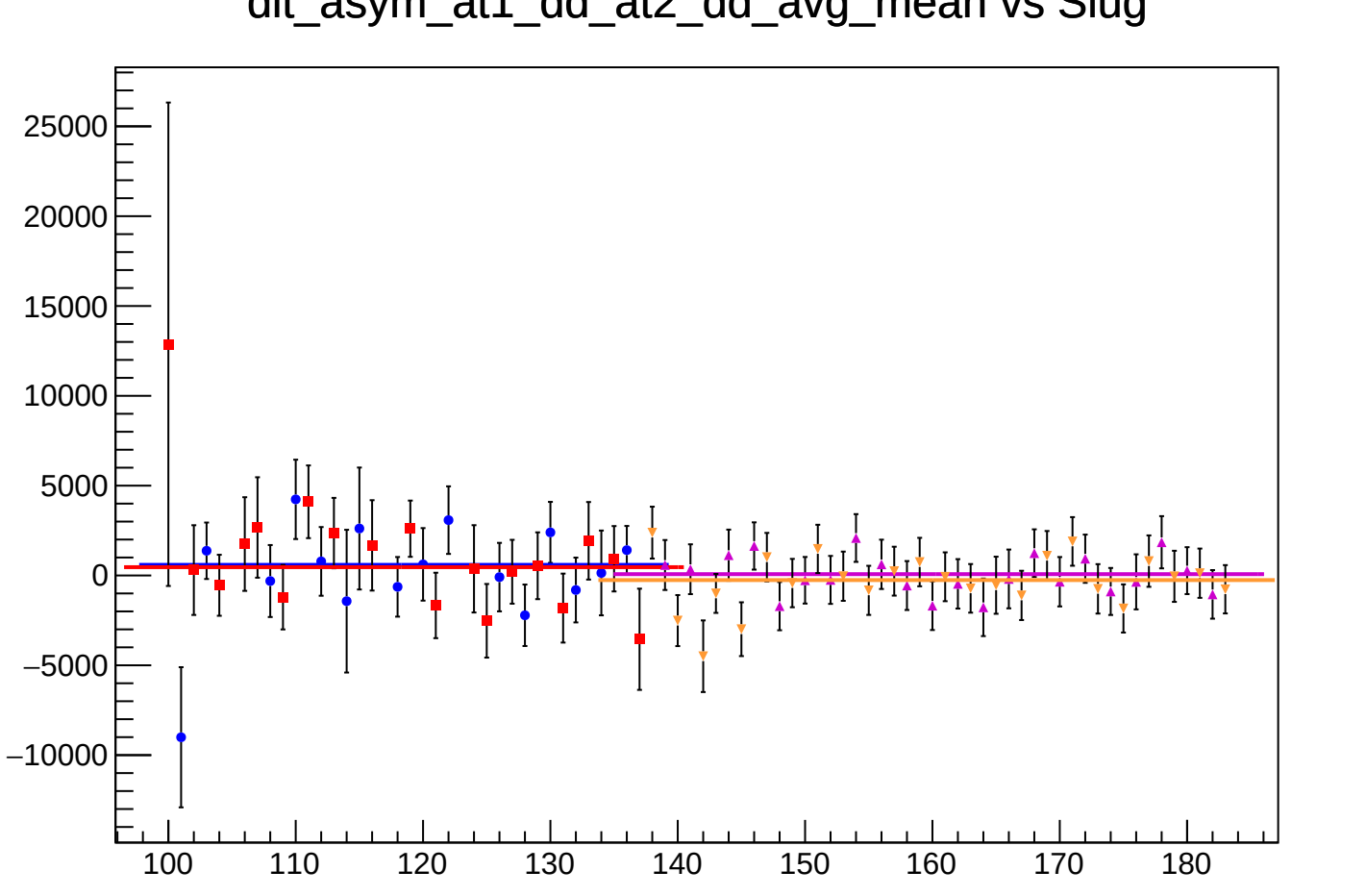
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.442+/-0.098 χ^2/NDF:517584.9/21

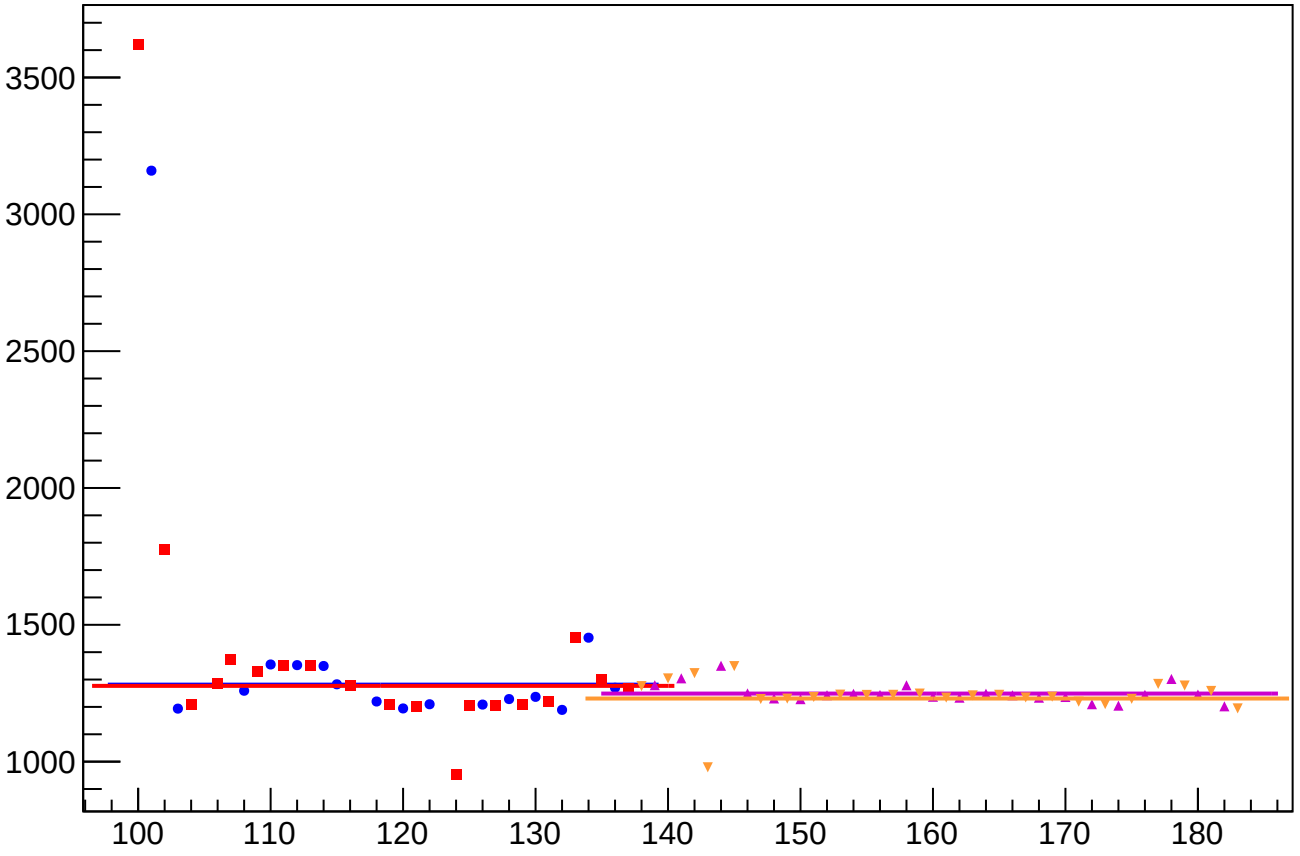
+ sign 635.332+/-0.092 χ^2/NDF: 5045313.3/39

All: 635.252+/-0.066 χ^2/NDF: 9673529.0/80

- sign 635.170+/-0.094 χ^2/NDF: 4628214.2/40


dit_asym_at1_dd_at2_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -256.613+/-281.964 χ²/NDF:24.0/23
Right Out: 462.606+/-476.795 χ²/NDF: 16.7/18
Left In: 73.636+/-294.072 χ²/NDF:14.0/21
+ sign -42.987+/-243.824 χ²/NDF: 43.4/39
All: 65.989+/-174.652 χ²/NDF: 75.0/80
- sign 180.826+/-250.294 χ²/NDF: 31.2/40

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1230.615+/-0.199 χ^2/NDF:140919.0/23

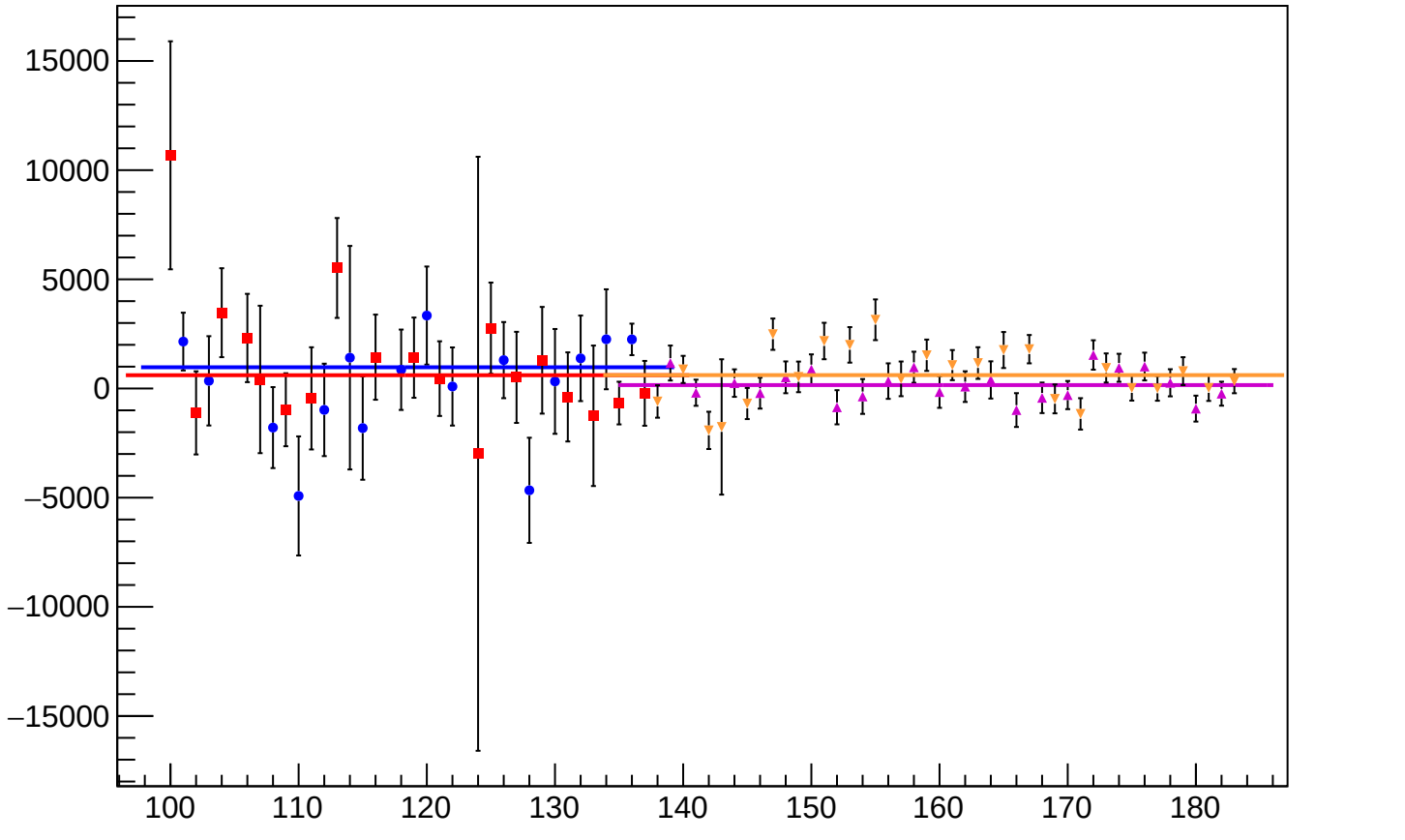
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.730+/-0.208 χ^2/NDF:26173.3/21

+ sign 1243.417+/-0.172 χ^2/NDF: 664342.8/39

All: 1249.778+/-0.123 χ^2/NDF: 918869.1/80

- sign 1256.482+/-0.177 χ^2/NDF: 251730.0/40



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.744 χ^2/NDF:56.6/23

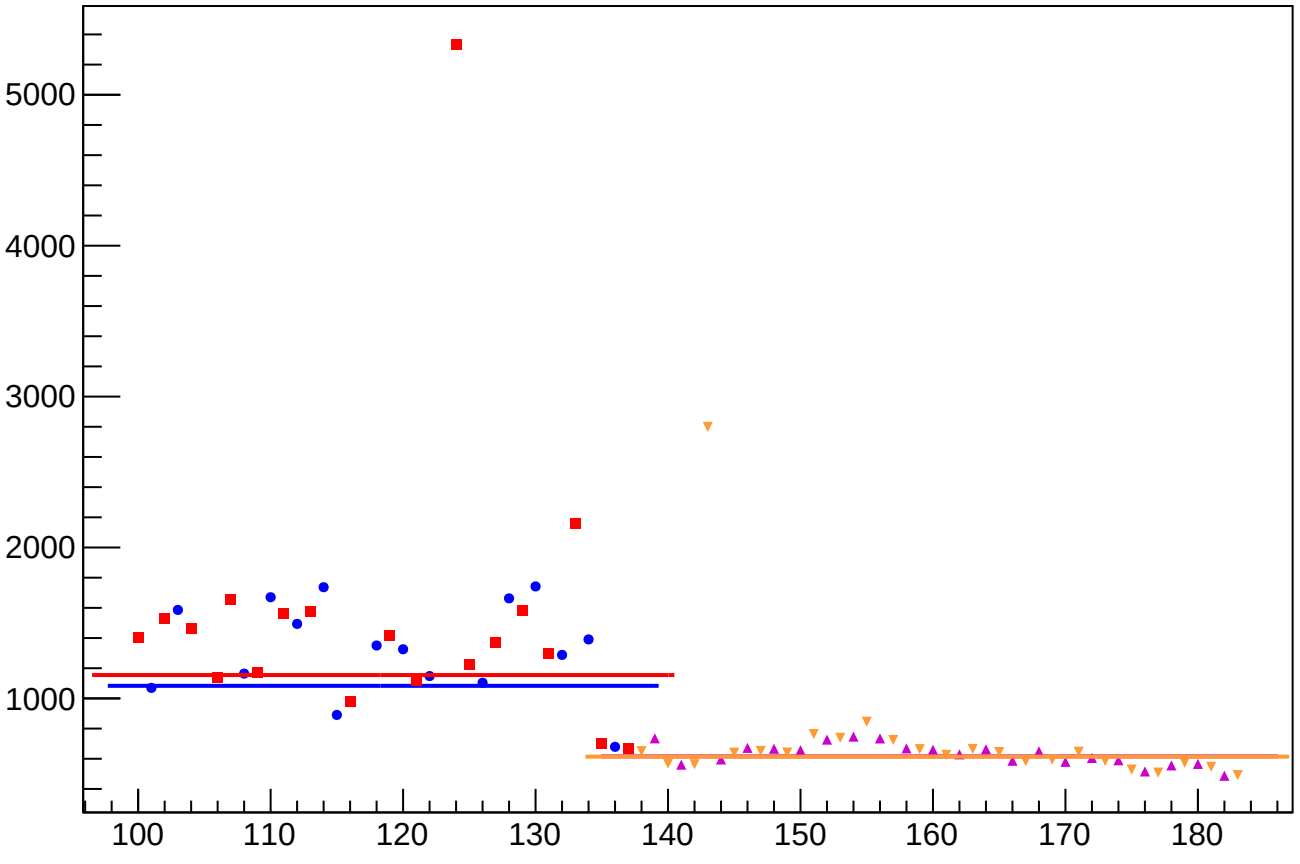
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 156.189+/-146.189 χ^2/NDF:22.0/21

+ sign 649.680+/-136.173 χ^2/NDF: 77.7/39

All: 429.290+/-97.263 χ^2/NDF: 123.1/80

- sign 199.757+/-138.969 χ^2/NDF: 40.0/40



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582623.8/23

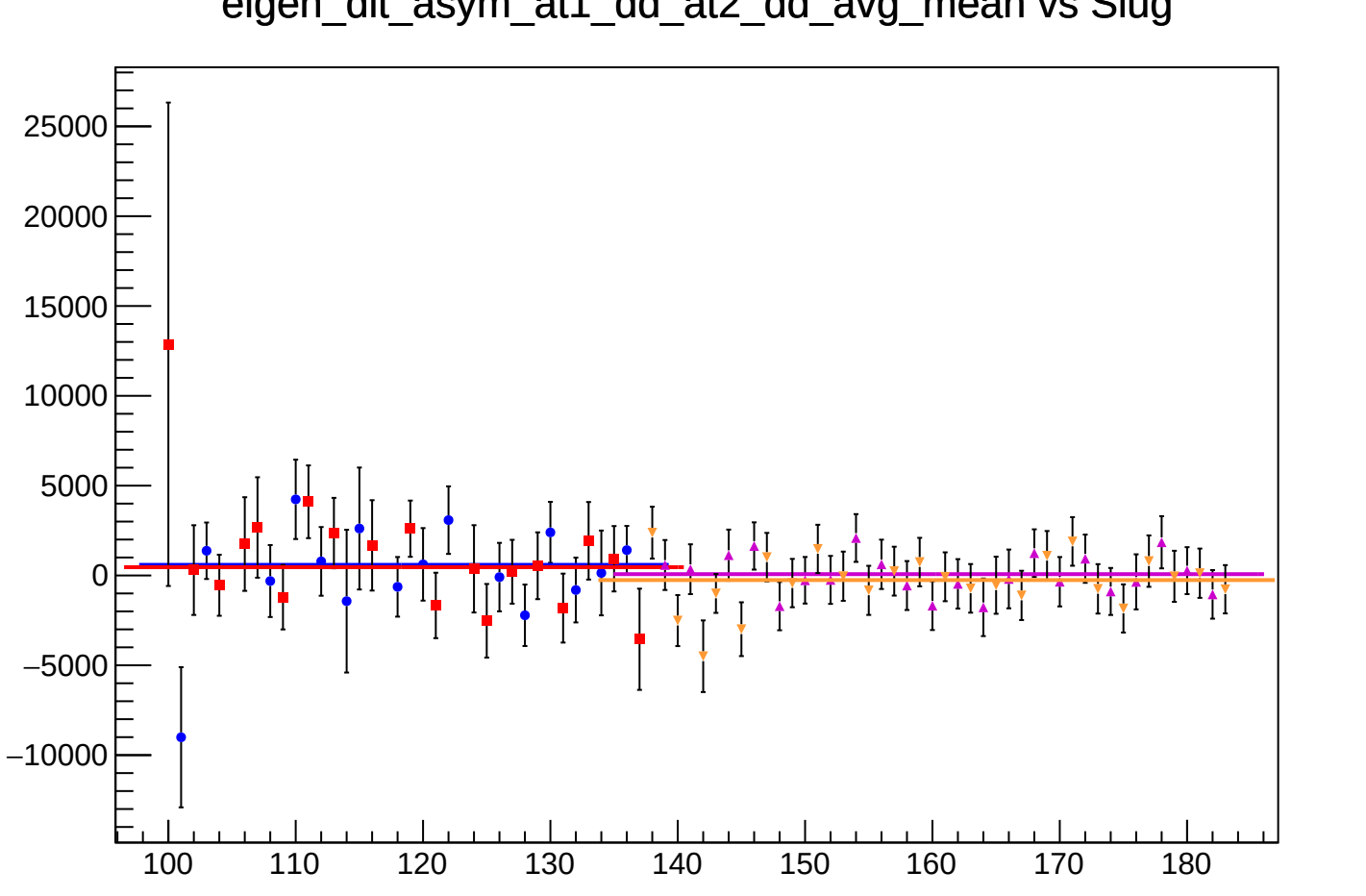
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 615.957+/-0.103 χ^2/NDF:464038.0/21

+ sign 662.129+/-0.096 χ^2/NDF: 5129462.8/39

All: 664.937+/-0.069 χ^2/NDF: 9700506.6/80

- sign 667.861+/-0.098 χ^2/NDF: 4569307.9/40



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -256.615+/-281.964 χ^2/NDF:24.0/23

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

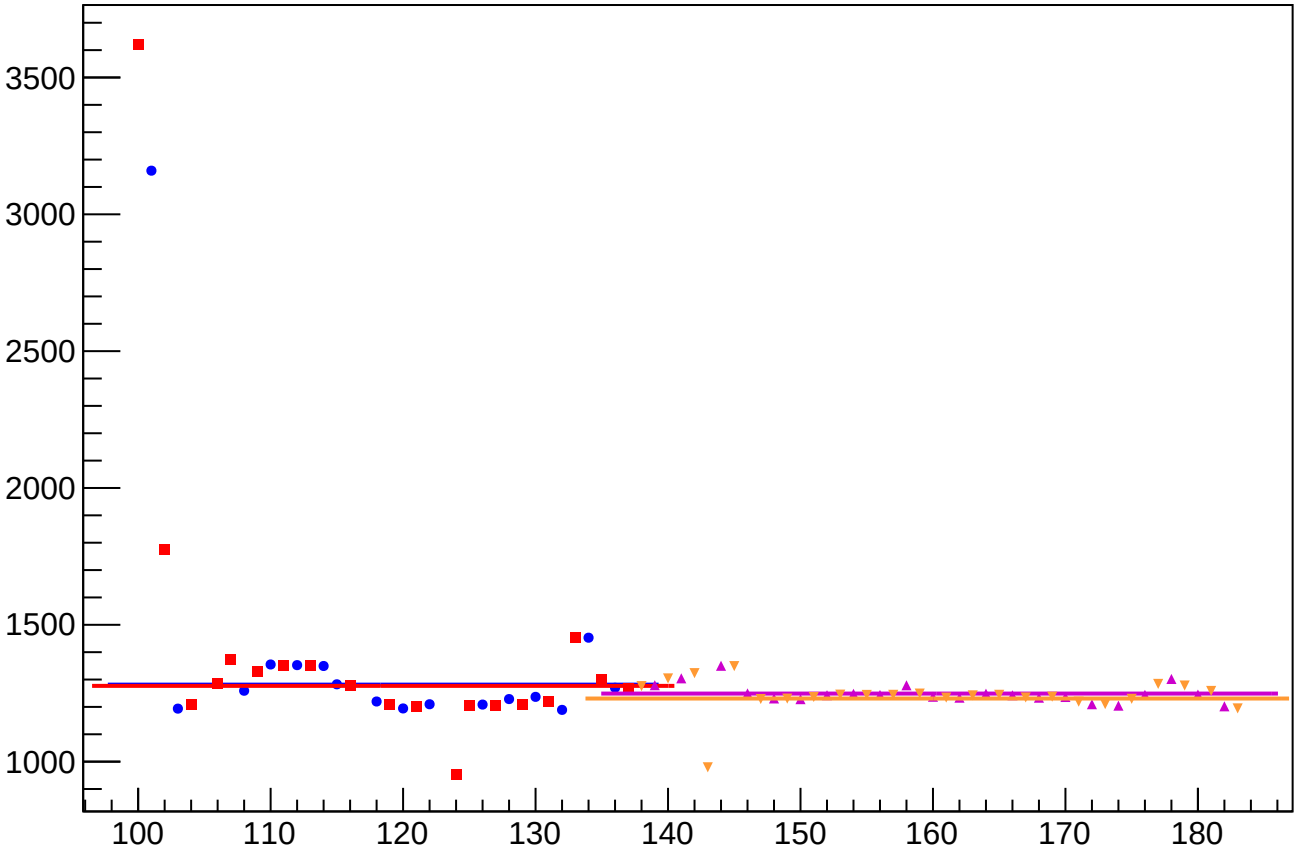
Left In: 73.635+/-294.072 χ^2/NDF:14.0/21

\+ sign -42.987+/-243.824 χ^2/NDF: 43.4/39

All: 65.989+/-174.652 χ^2/NDF: 75.0/80

\- sign 180.825+/-250.294 χ^2/NDF: 31.2/40

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1230.614+/-0.199 χ^2/NDF:140918.1/23

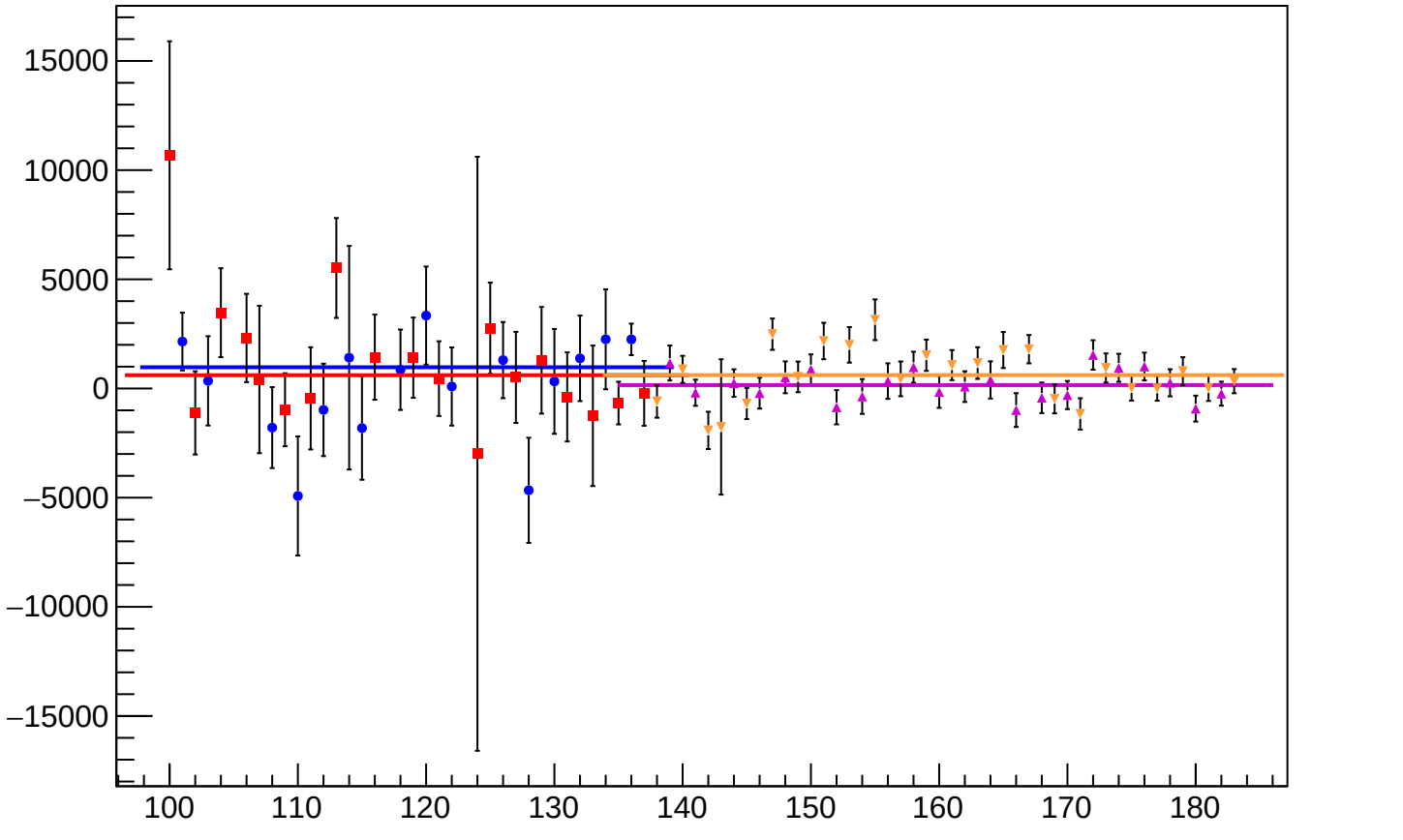
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.730+/-0.208 χ^2/NDF:26173.2/21

+ sign 1243.416+/-0.172 χ^2/NDF: 664342.0/39

All: 1249.778+/-0.123 χ^2/NDF: 918868.1/80

- sign 1256.482+/-0.177 χ^2/NDF: 251729.8/40



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.743 χ^2/NDF:56.6/23

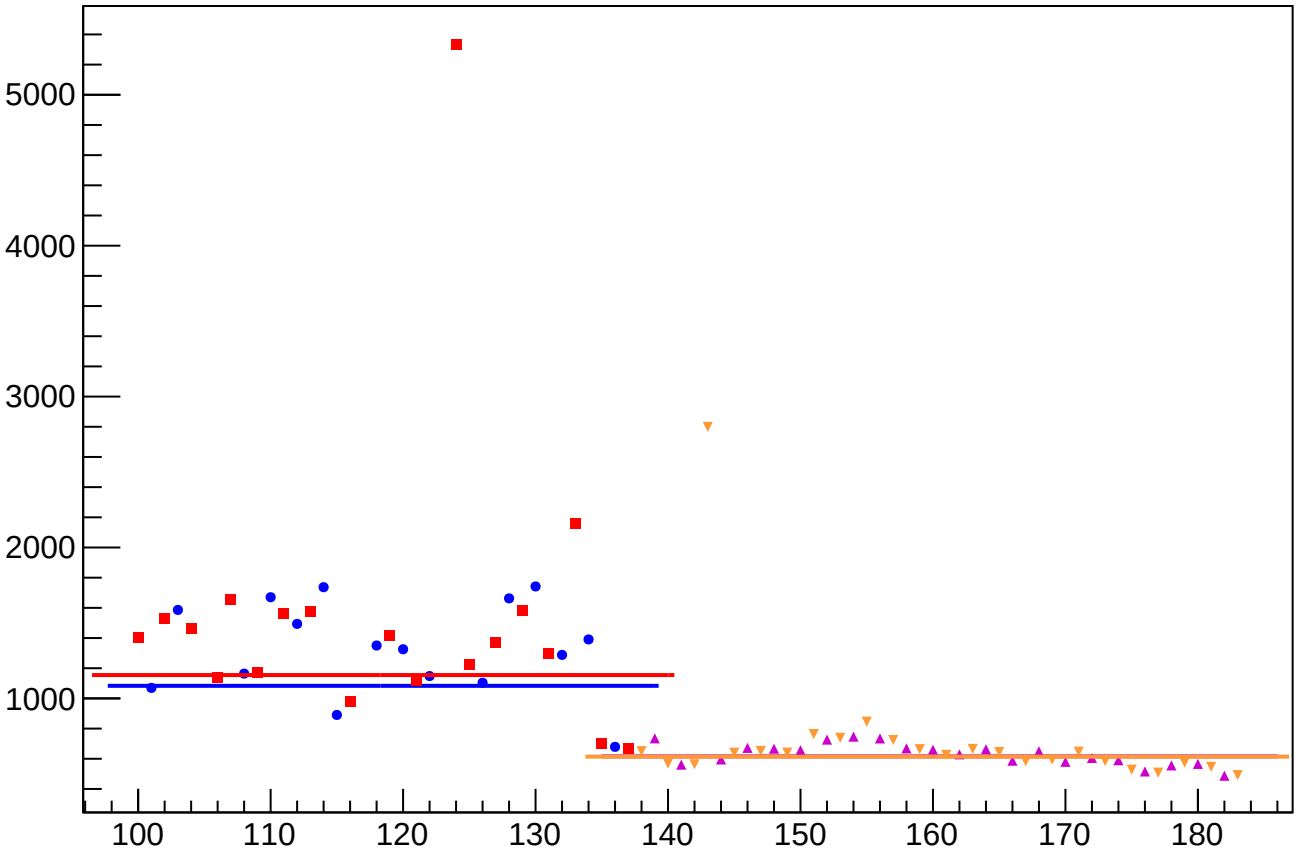
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 156.188+/-146.189 χ^2/NDF:22.0/21

+ sign 649.680+/-136.173 χ^2/NDF: 77.7/39

All: 429.289+/-97.262 χ^2/NDF: 123.1/80

- sign 199.757+/-138.969 χ^2/NDF: 40.0/40



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582621.3/23

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

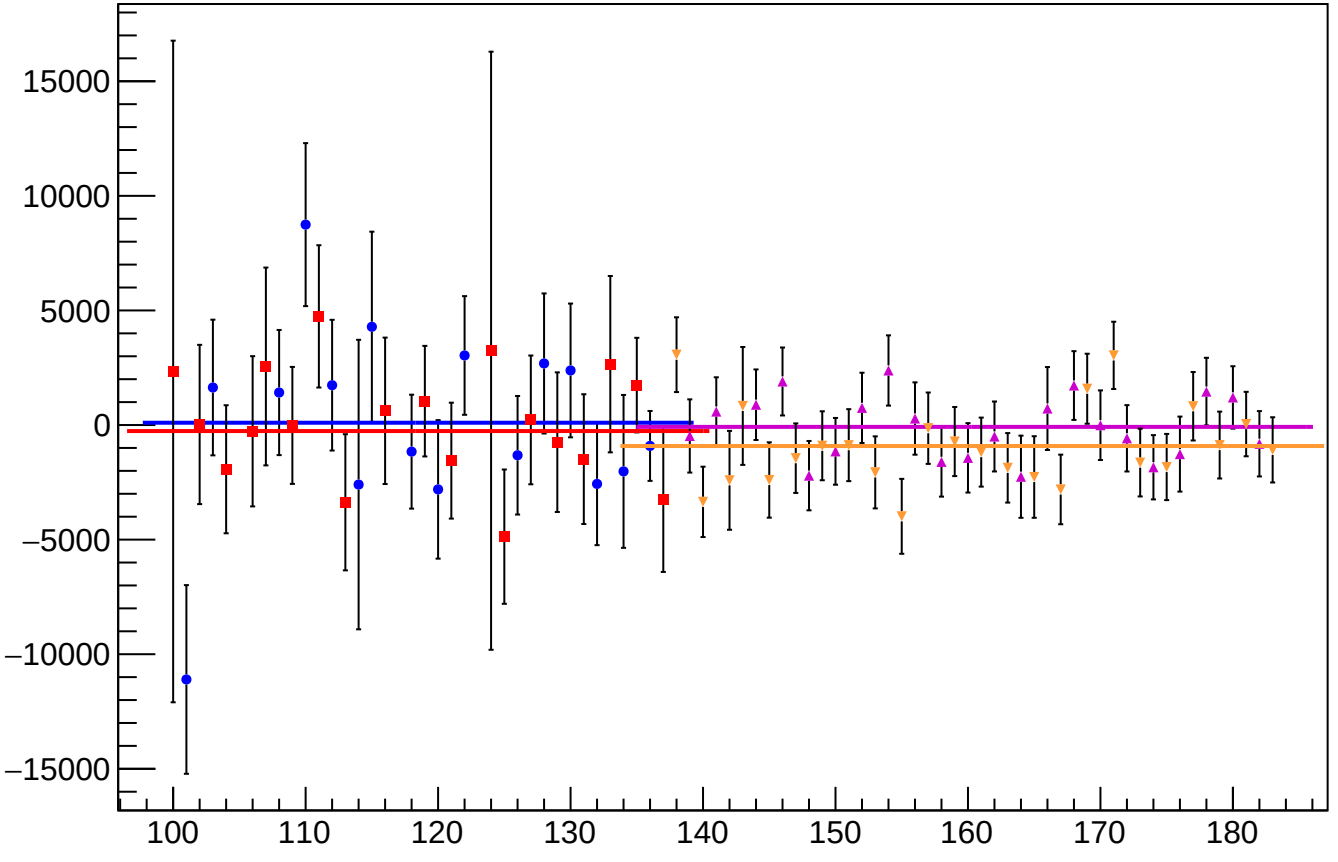
Left In: 615.957+/-0.103 χ^2/NDF:464041.0/21

+ sign 662.129+/-0.096 χ^2/NDF: 5129450.4/39

All: 664.936+/-0.069 χ^2/NDF: 9700502.1/80

- sign 667.860+/-0.098 χ^2/NDF: 4569316.1/40

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -916.306+/-319.076 χ^2/NDF:29.7/23

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

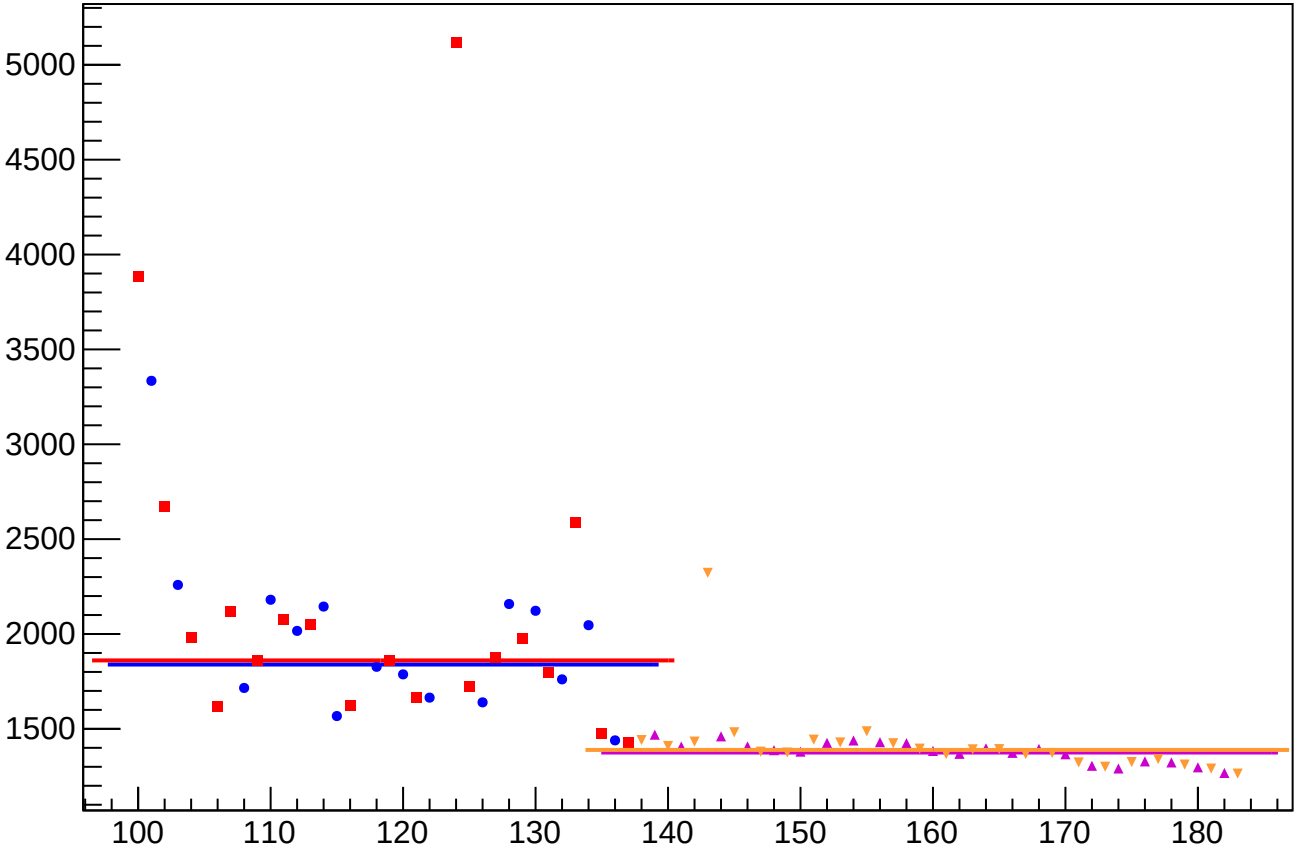
Left In: -80.747+/-324.051 χ^2/NDF:17.4/21

\+ sign -740.971+/-290.264 χ^2/NDF: 52.7/39

All: -430.996+/-206.573 χ^2/NDF: 82.8/80

\- sign -112.885+/-294.049 χ^2/NDF: 27.7/40

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1388.982+/-0.226 χ^2/NDF:334320.1/23

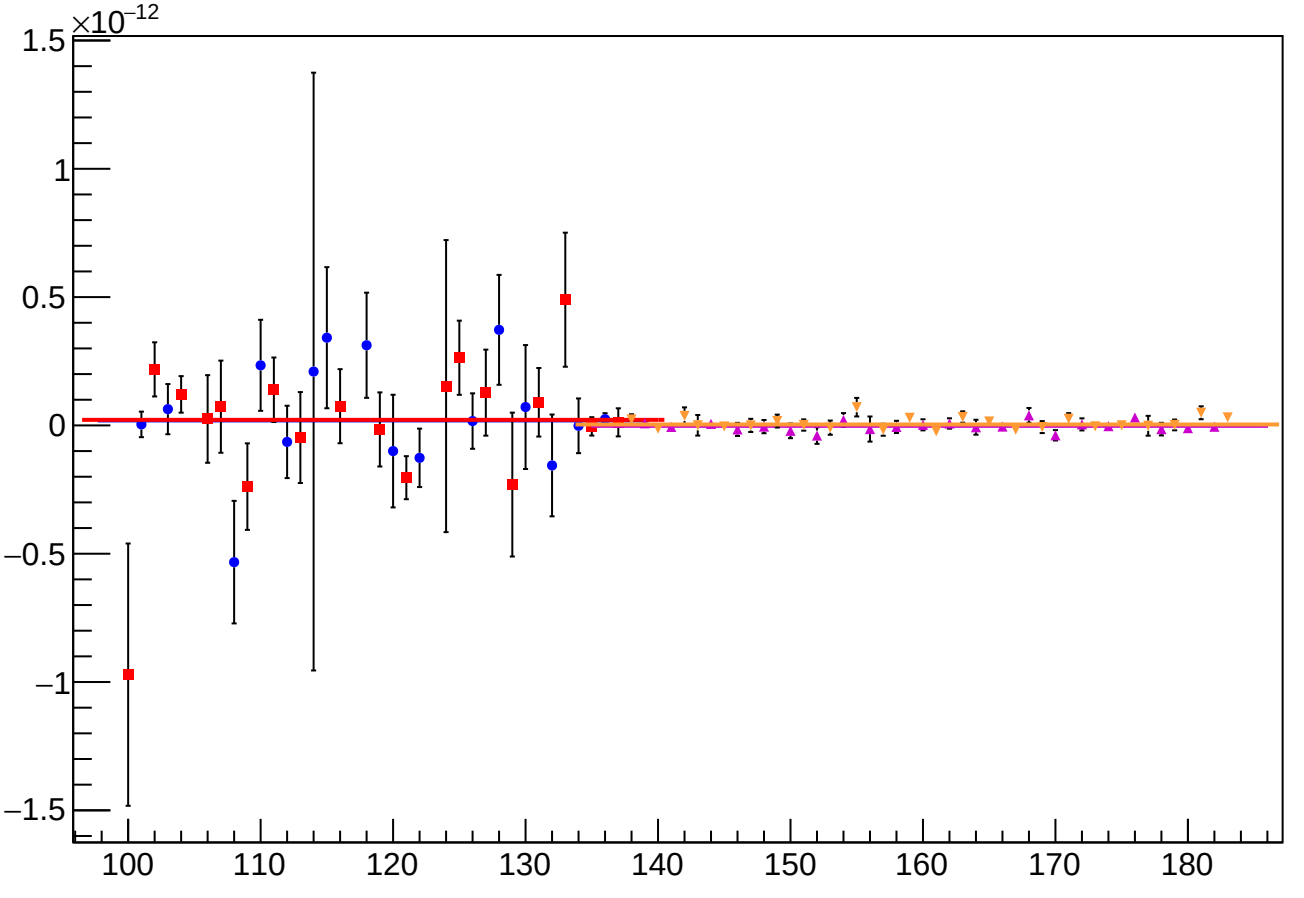
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1375.341+/-0.229 χ^2/NDF:59984.1/21

+ sign 1466.606+/-0.205 χ^2/NDF: 1577437.0/39

All: 1463.871+/-0.146 χ^2/NDF: 2952430.5/80

- sign 1461.065+/-0.208 χ^2/NDF: 1374633.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/23

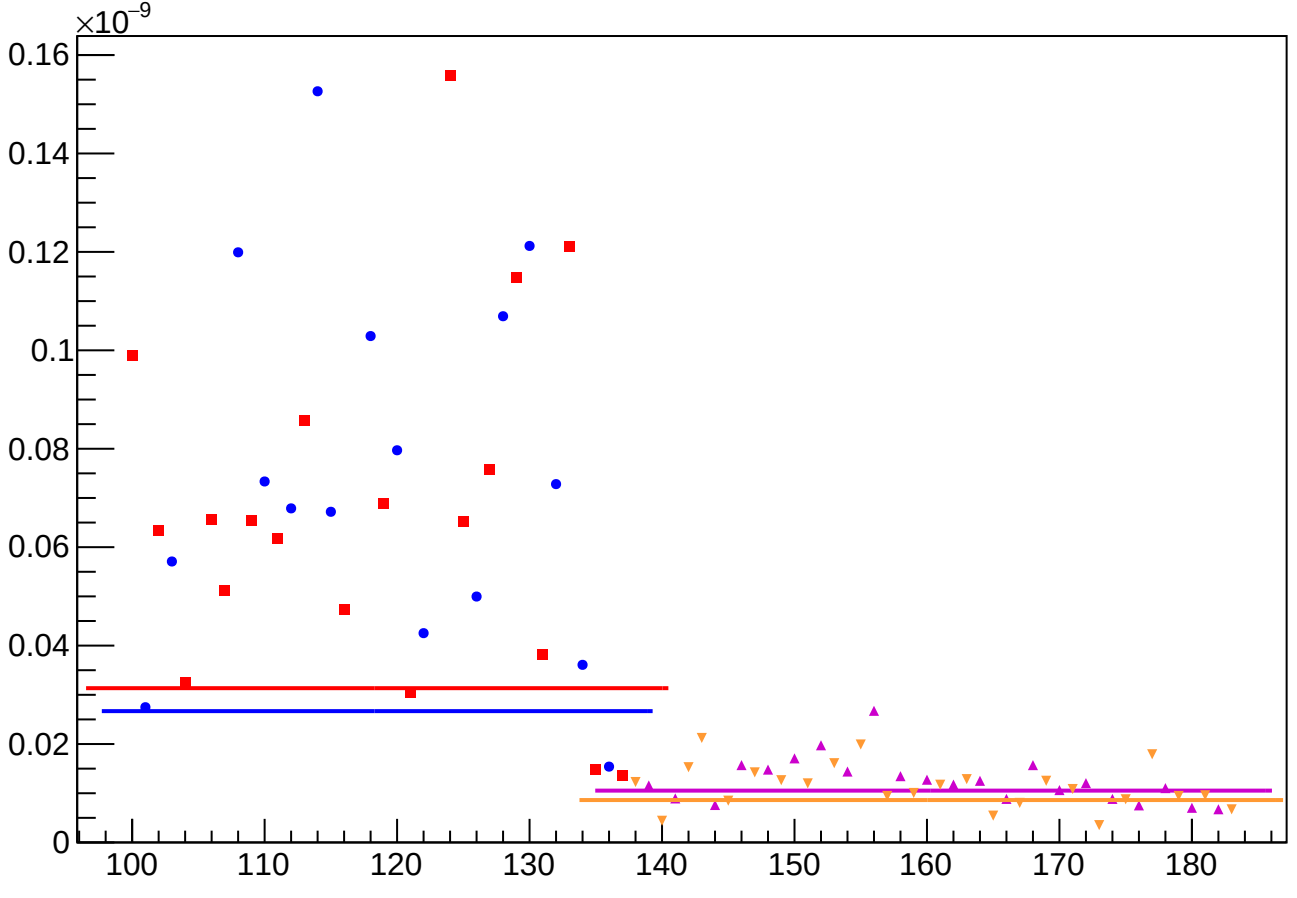
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/39

All: 0.000+/-0.000 χ^2/NDF: 85.3/80

- sign -0.000+/-0.000 χ^2/NDF: 42.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2142721.5/23

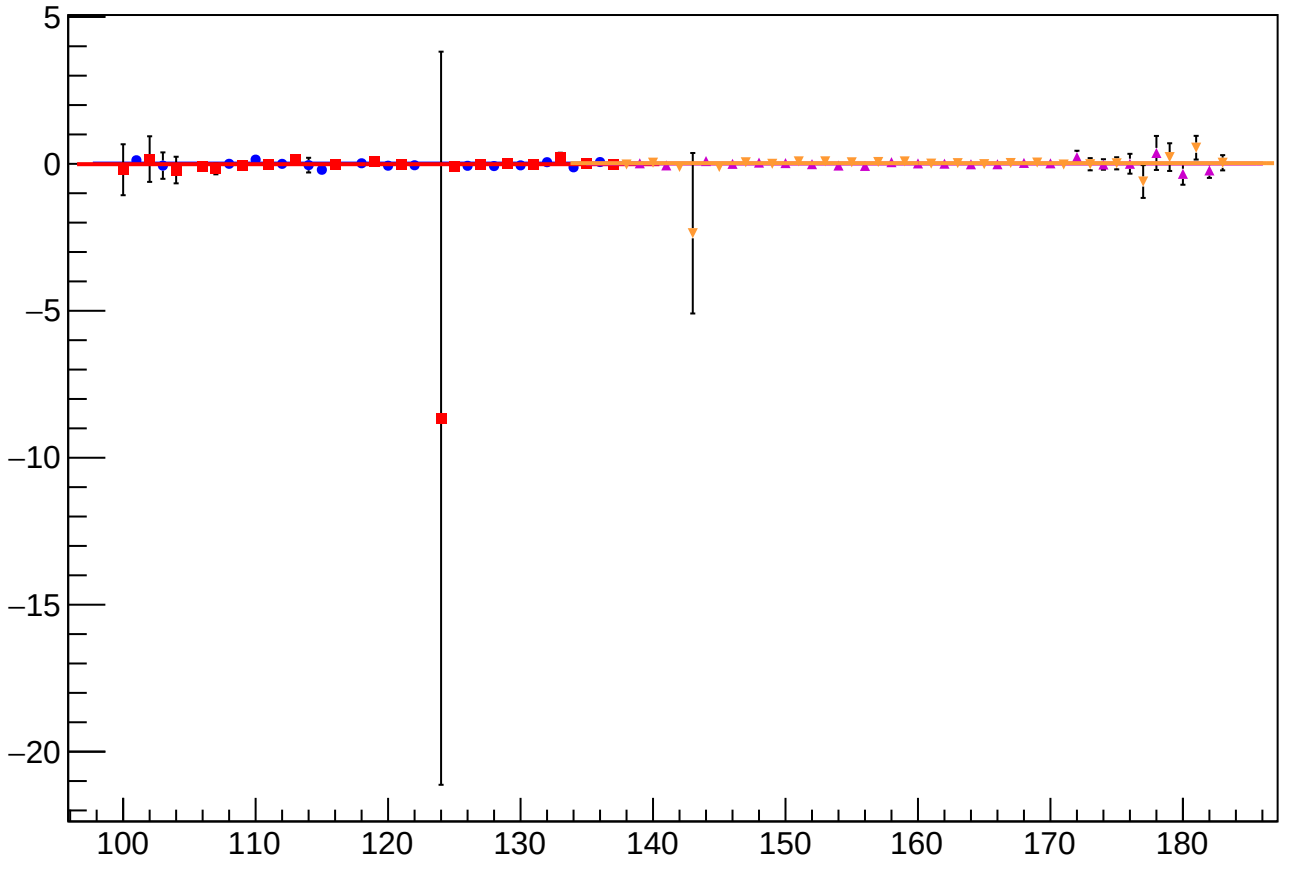
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1232028.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 6496825.4/39

All: 0.000+/-0.000 χ^2/NDF: 11923217.2/80

- sign 0.000+/-0.000 χ^2/NDF: 5184866.6/40



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

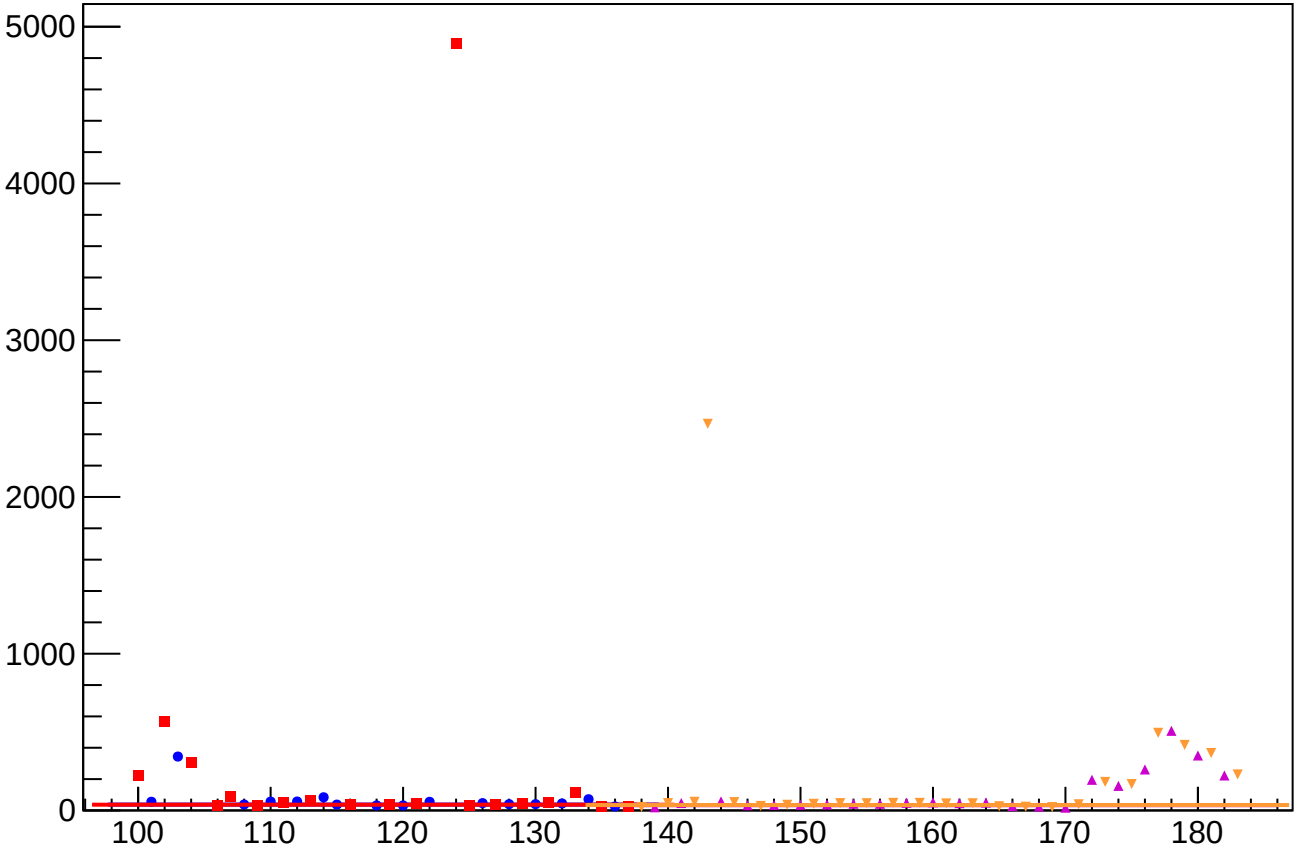
Left In: 0.010+/-0.010 χ^2/NDF:14.0/21

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 70.5/80

- sign 0.004+/-0.009 χ^2/NDF: 27.9/40

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.518+/-0.007 χ^2/NDF:11039981.4/23

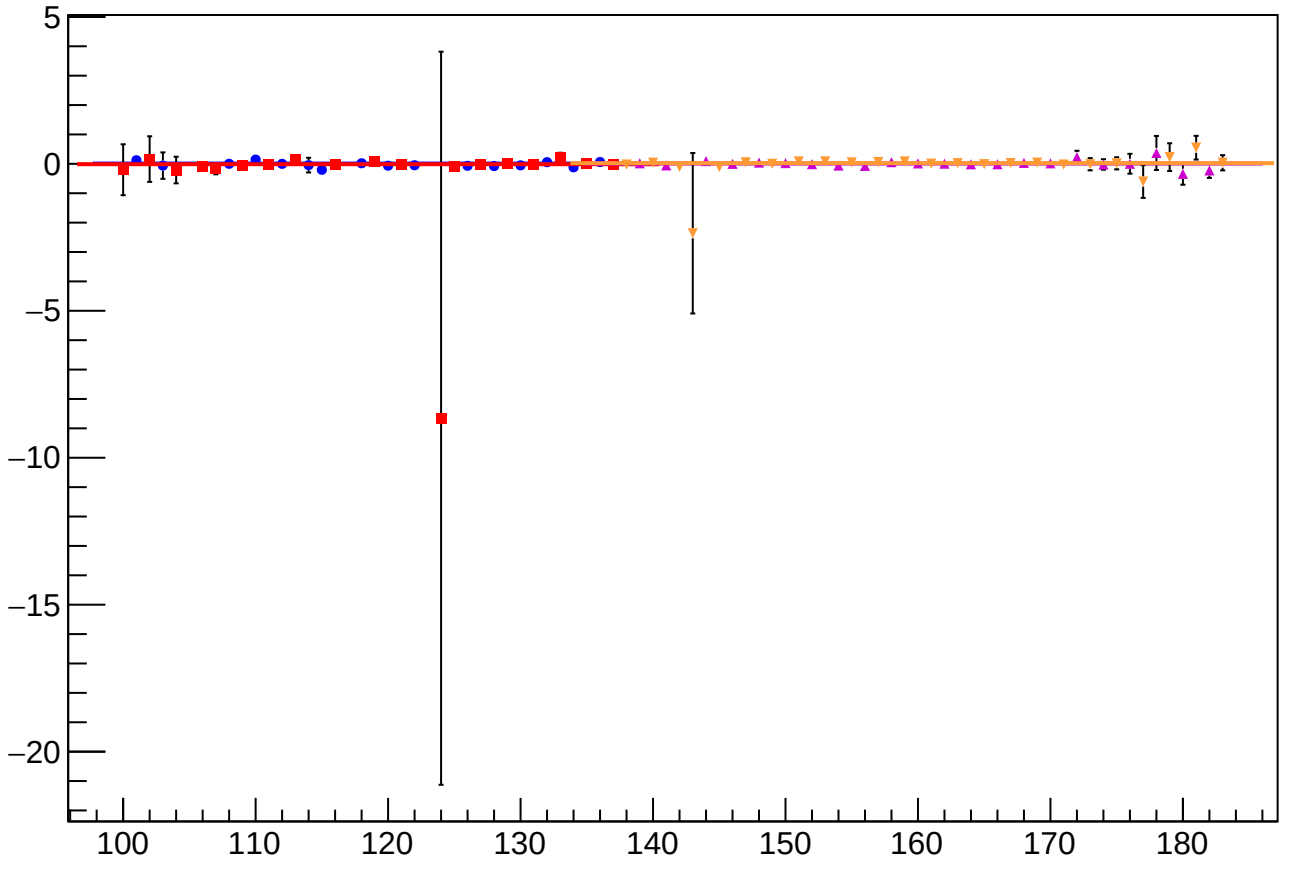
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

\+ sign 35.373+/-0.006 χ^2/NDF: 13072101.2/39

All: 34.853+/-0.004 χ^2/NDF: 25986332.1/80

\- sign 34.343+/-0.006 χ^2/NDF: 12899802.2/40



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

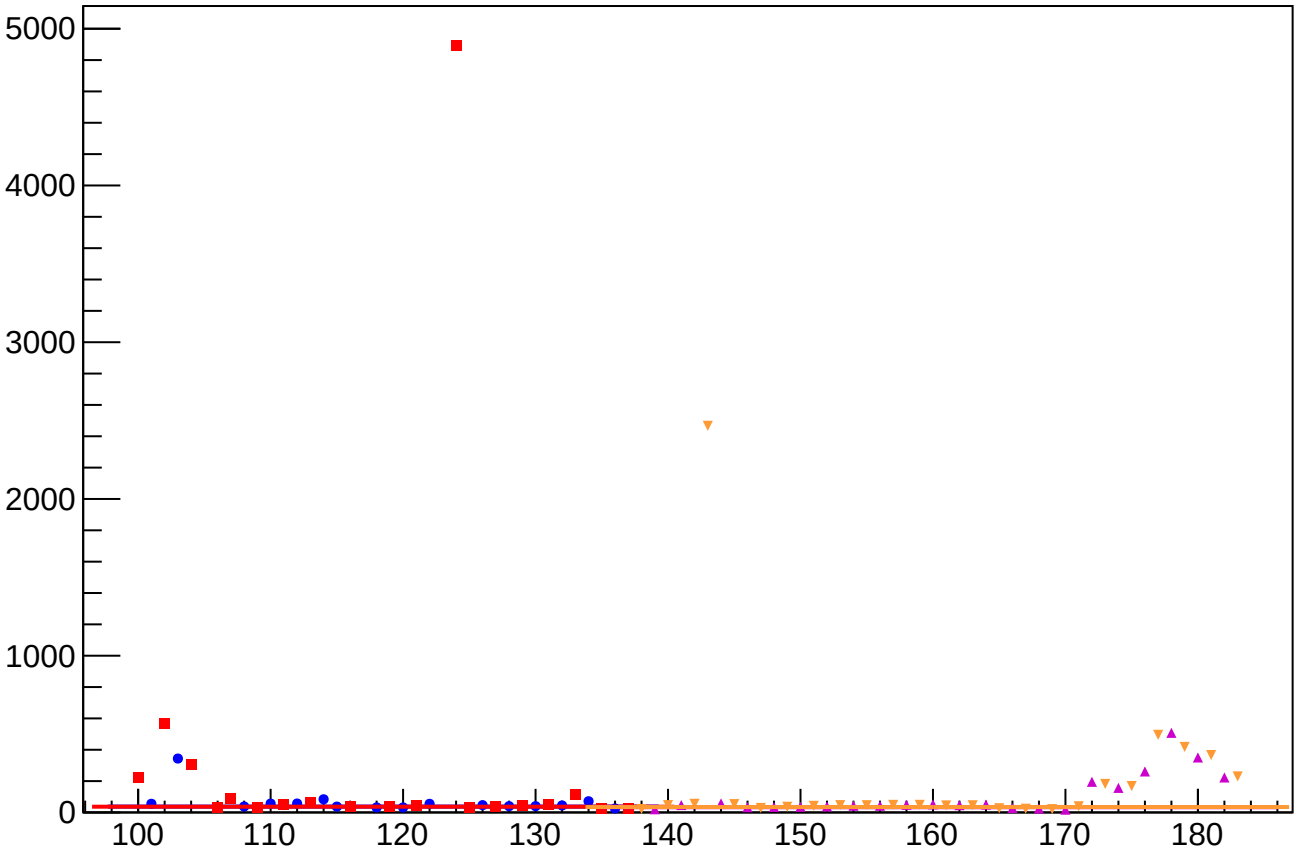
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.0/21

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 70.5/80

- sign 0.004+/-0.009 χ^2/NDF: 27.9/40



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.518+/-0.007 χ^2/NDF:11039981.4/23

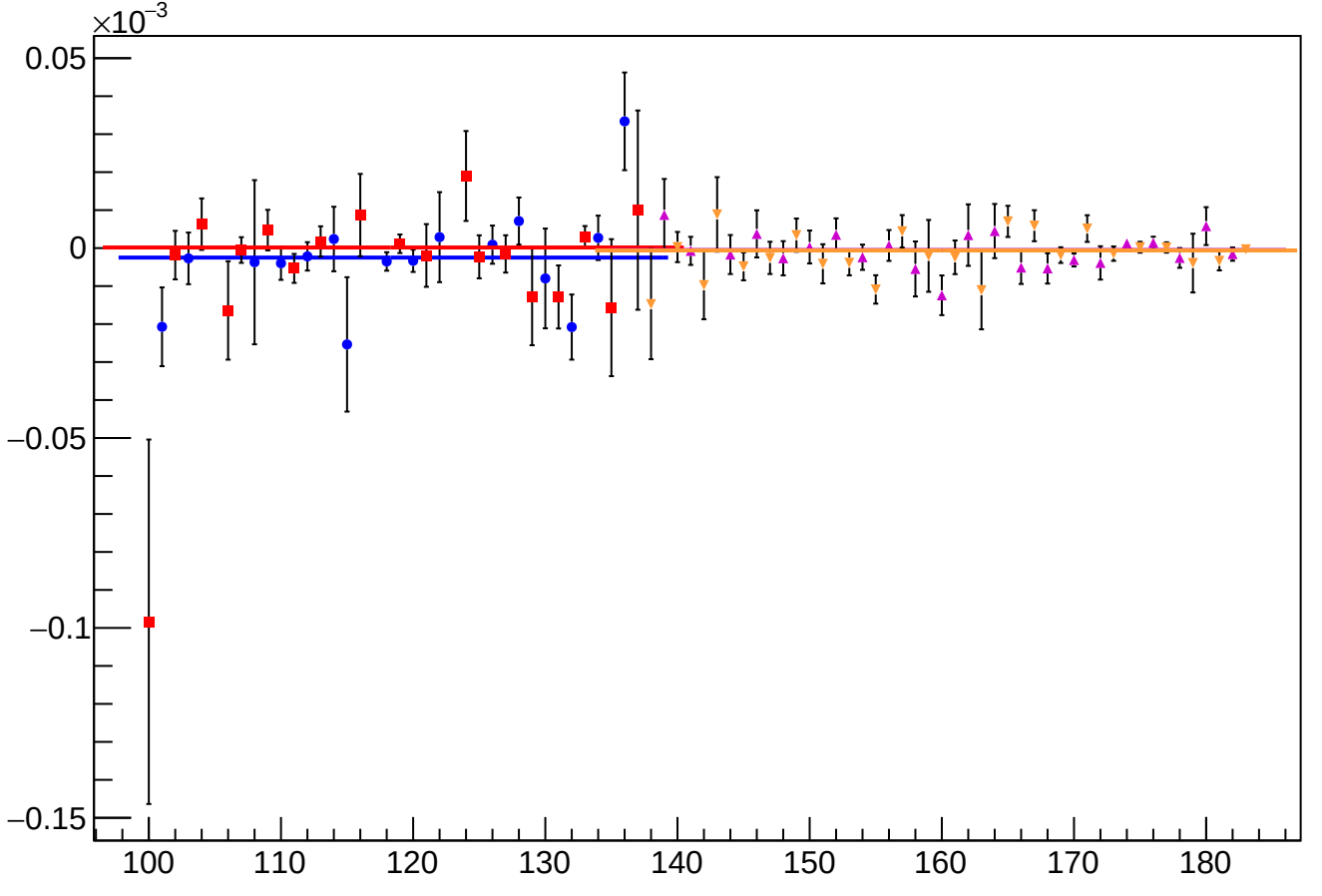
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.475+/-0.007 χ^2/NDF:9651312.5/21

\+ sign 35.373+/-0.006 χ^2/NDF: 13072101.2/39

All: 34.853+/-0.004 χ^2/NDF: 25986332.1/80

\- sign 34.343+/-0.006 χ^2/NDF: 12899802.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/23

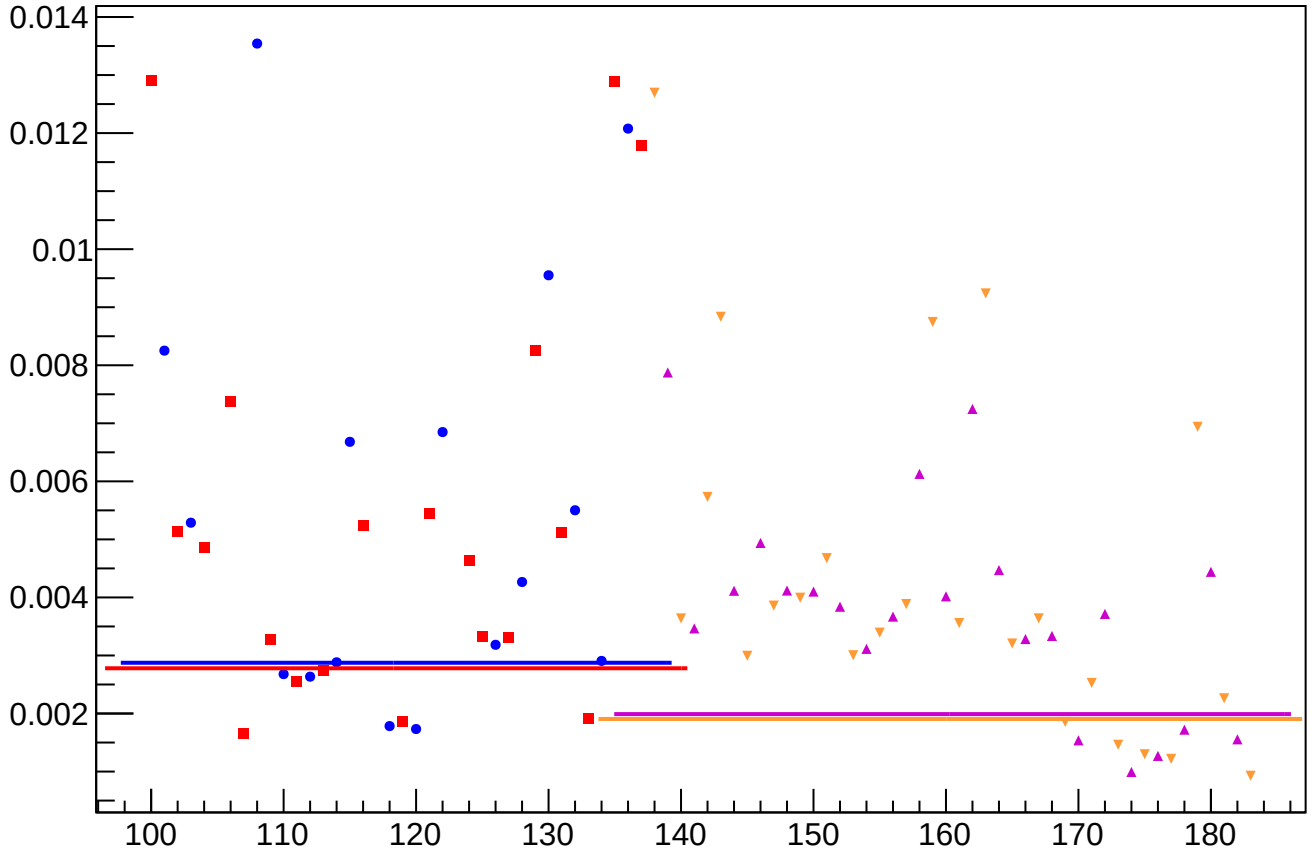
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/21

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/39

All: -0.000+/-0.000 χ^2/NDF: 93.2/80

- sign -0.000+/-0.000 χ^2/NDF: 40.7/40



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:11849002.0/23

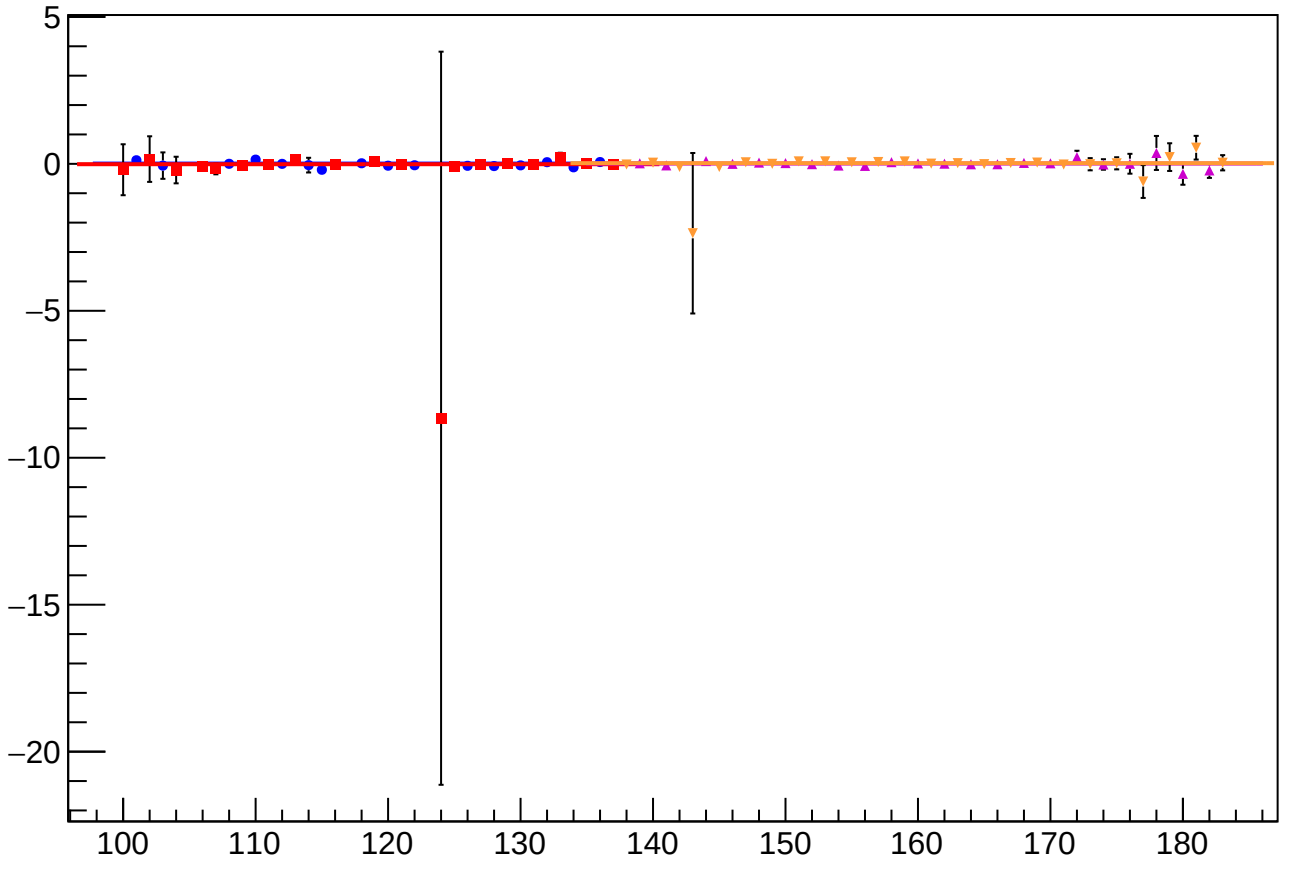
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:9384898.9/21

+ sign 0.002+/-0.000 χ^2/NDF: 16937766.6/39

All: 0.002+/-0.000 χ^2/NDF: 30391480.6/80

- sign 0.002+/-0.000 χ^2/NDF: 13416028.6/40



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

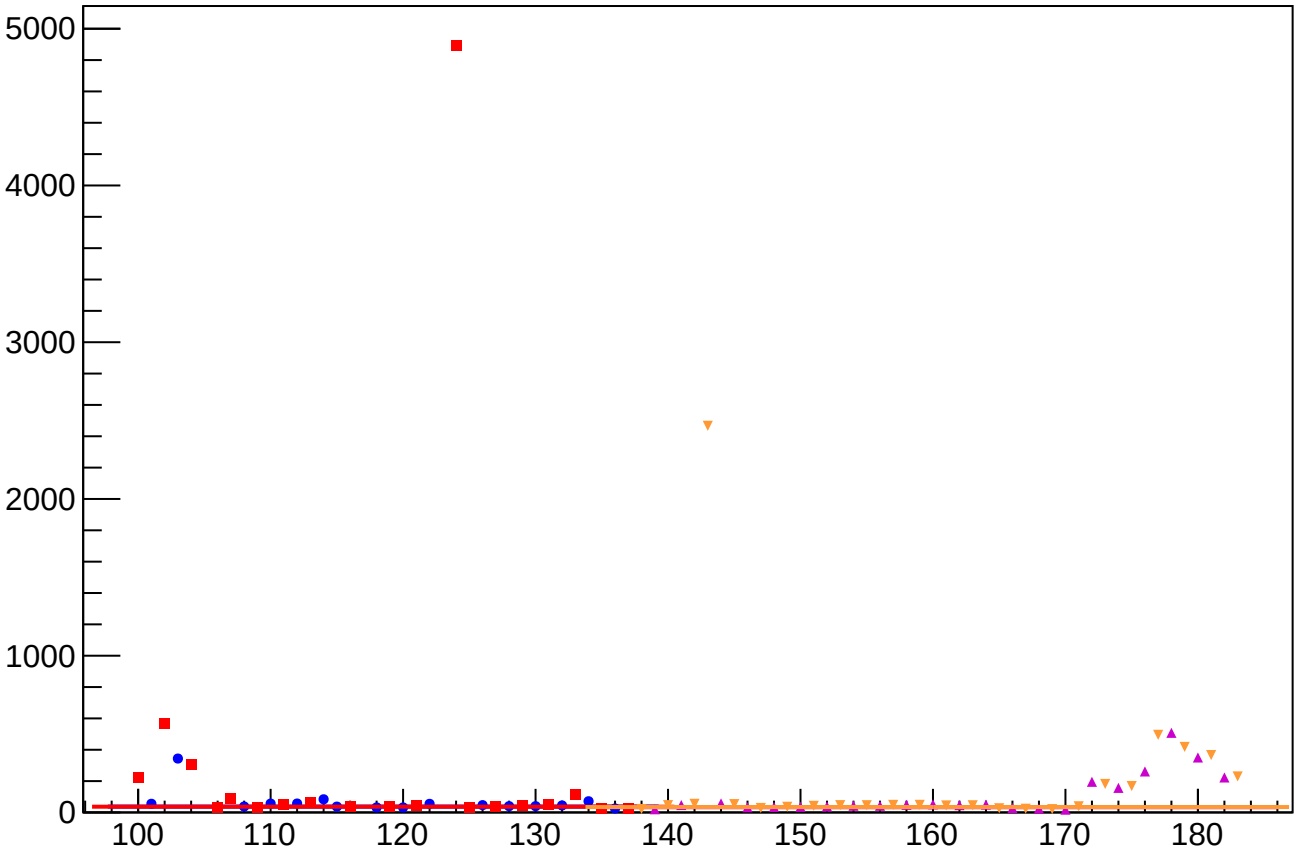
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.0/21

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 70.5/80

- sign 0.004+/-0.009 χ^2/NDF: 27.9/40



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.517+/-0.007 χ^2/NDF:11040092.0/23

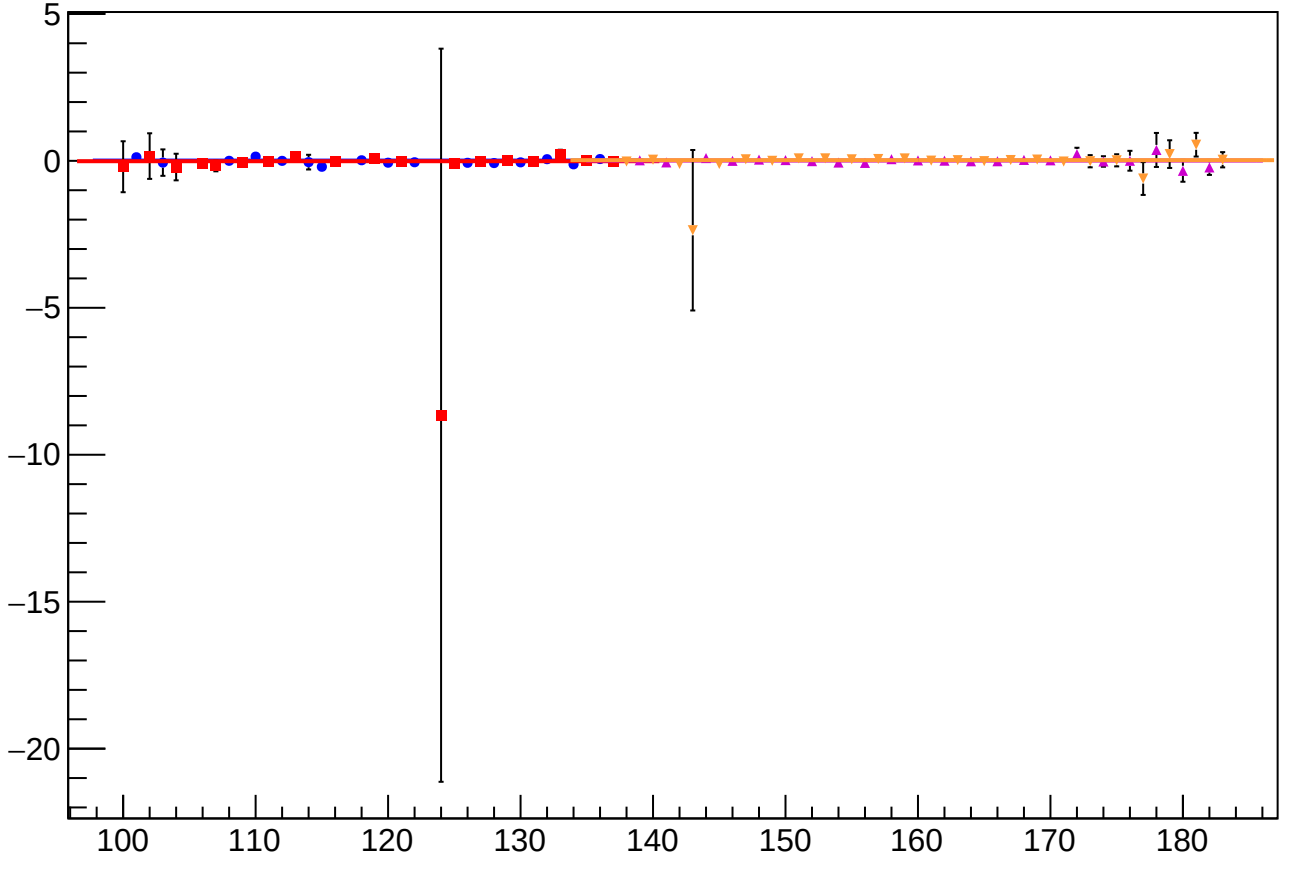
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

+ sign 35.372+/-0.006 χ^2/NDF: 13072192.0/39

All: 34.854+/-0.004 χ^2/NDF: 25984764.3/80

- sign 34.345+/-0.006 χ^2/NDF: 12898219.4/40



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

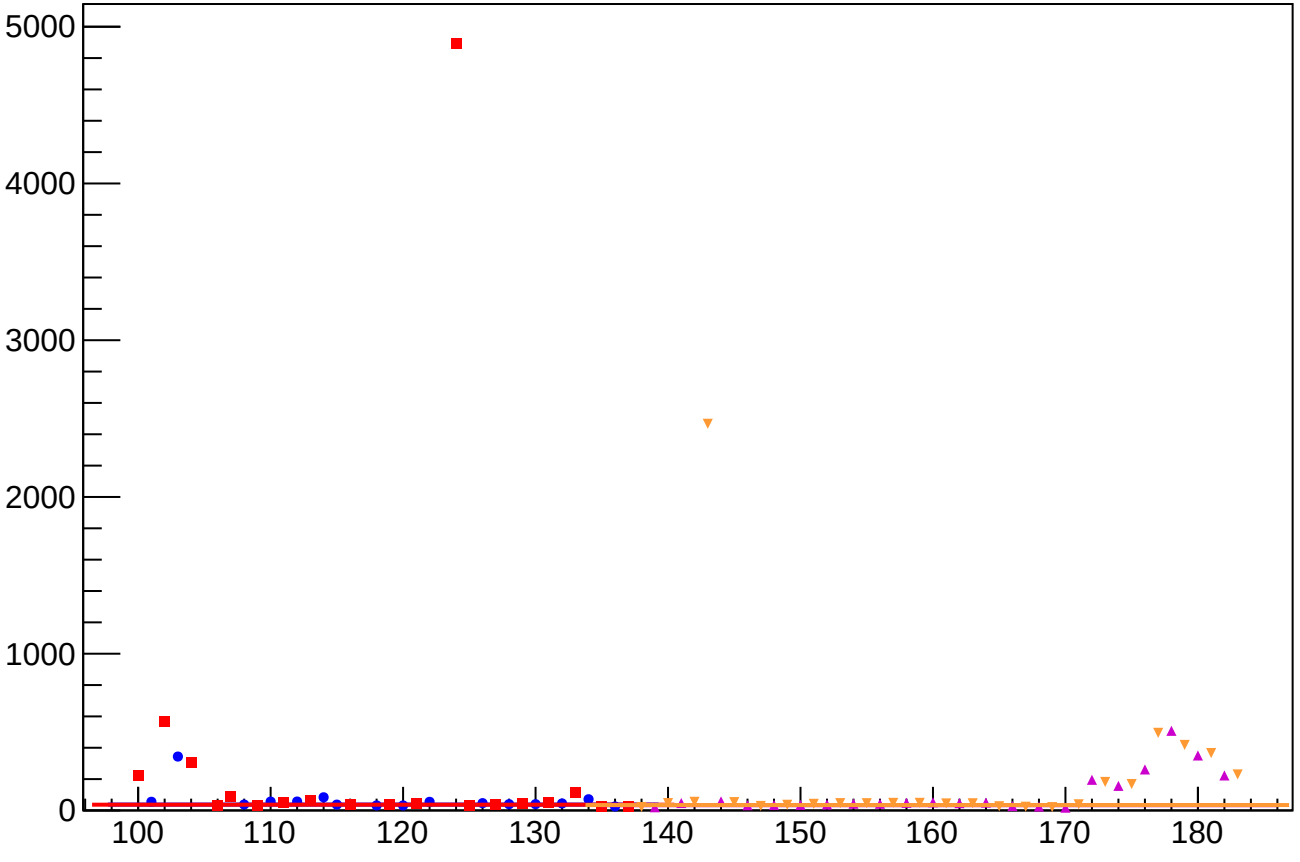
Left In: 0.010+/-0.010 χ^2/NDF:14.0/21

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 70.5/80

- sign 0.004+/-0.009 χ^2/NDF: 27.9/40

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.517+/-0.007 χ^2/NDF:11040092.0/23

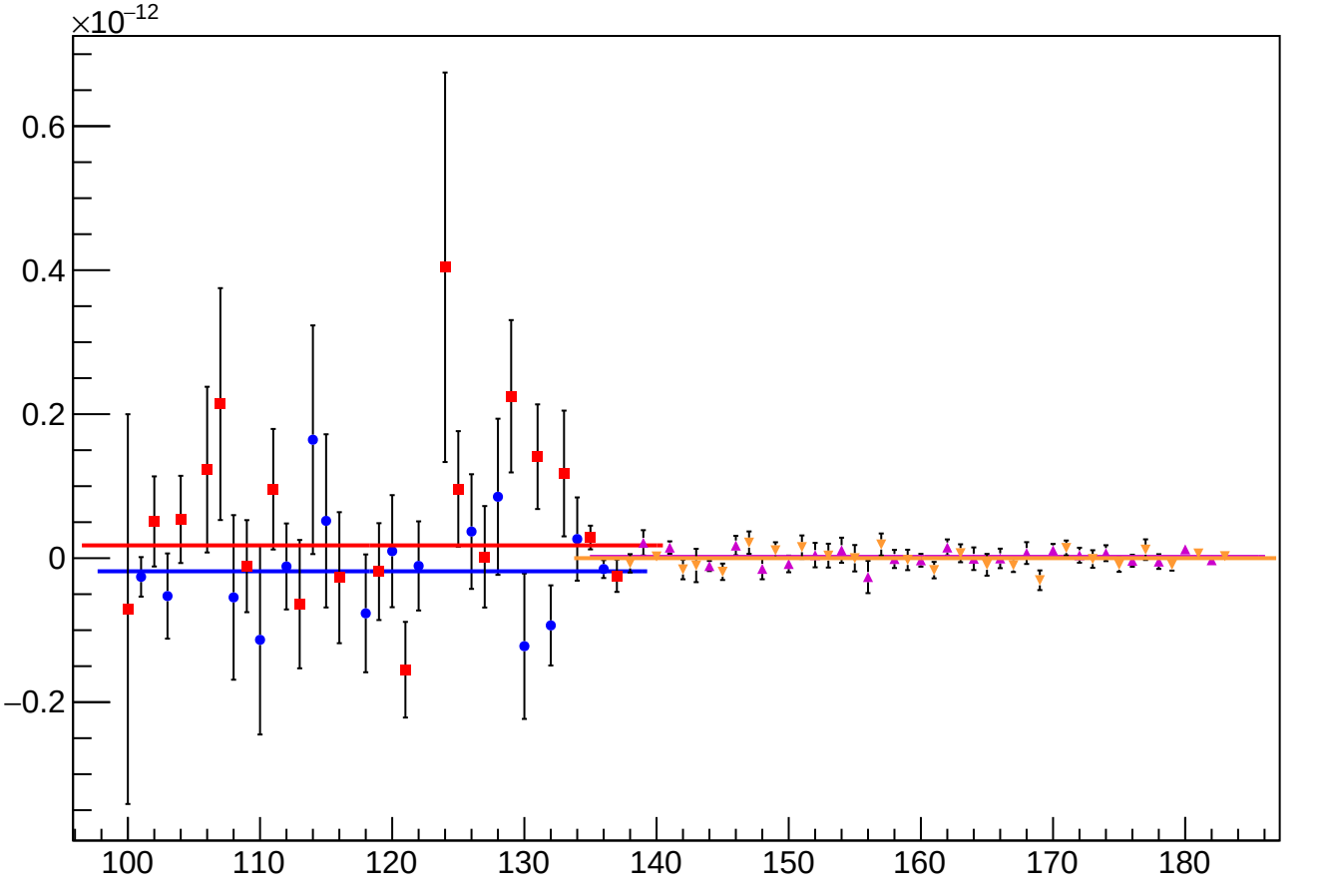
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.477+/-0.007 χ^2/NDF:9650053.2/21

+ sign 35.372+/-0.006 χ^2/NDF: 13072192.0/39

All: 34.854+/-0.004 χ^2/NDF: 25984764.3/80

- sign 34.345+/-0.006 χ^2/NDF: 12898219.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/23

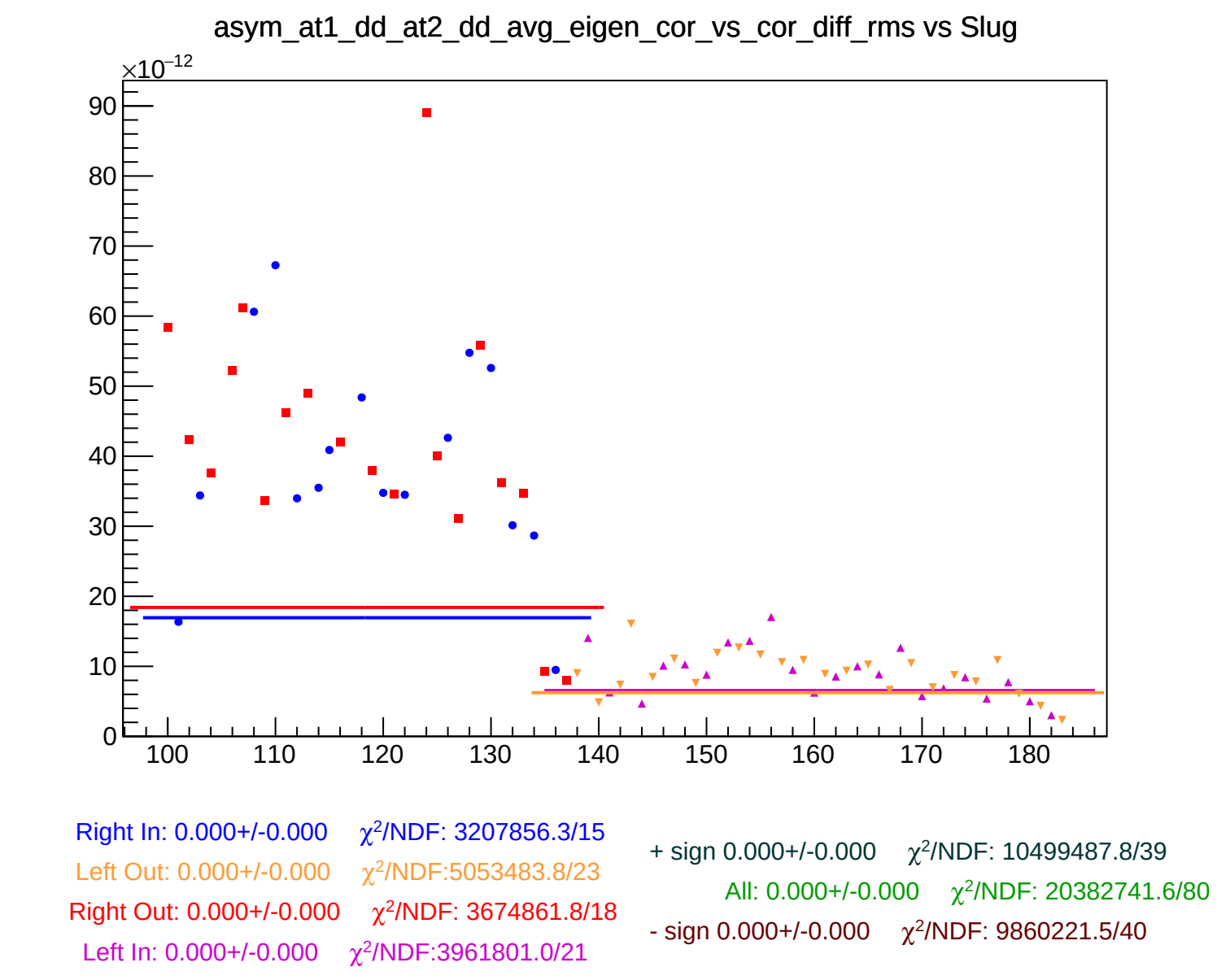
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/21

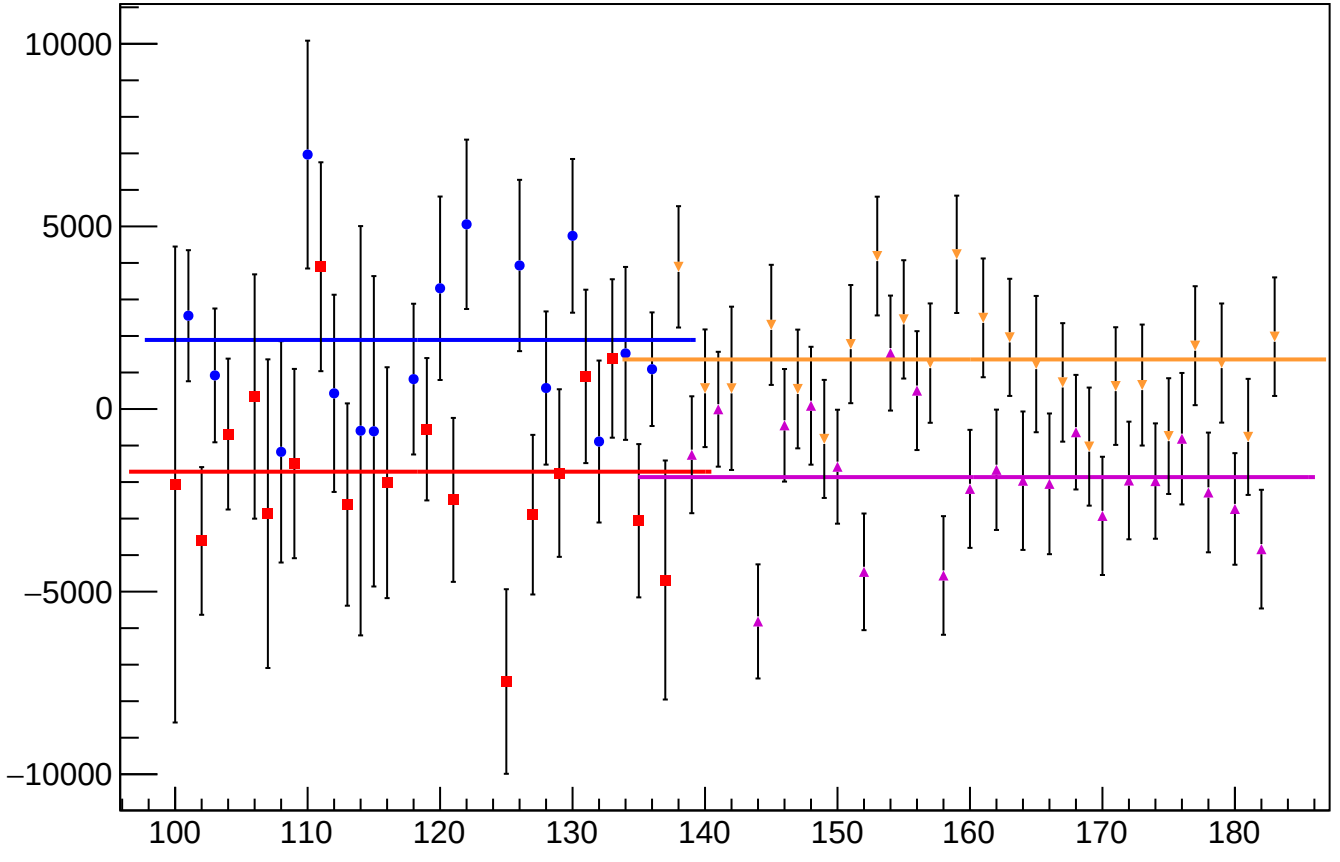
+ sign -0.000+/-0.000 χ^2/NDF: 36.9/39

All: 0.000+/-0.000 χ^2/NDF: 86.8/80

- sign 0.000+/-0.000 χ^2/NDF: 48.8/40


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:5053483.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:3961801.0/21
+ sign 0.000+/-0.000 χ²/NDF: 10499487.8/39
All: 0.000+/-0.000 χ²/NDF: 20382741.6/80
- sign 0.000+/-0.000 χ²/NDF: 9860221.5/40

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1357.576+/-343.506 χ^2/NDF:18.9/22

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

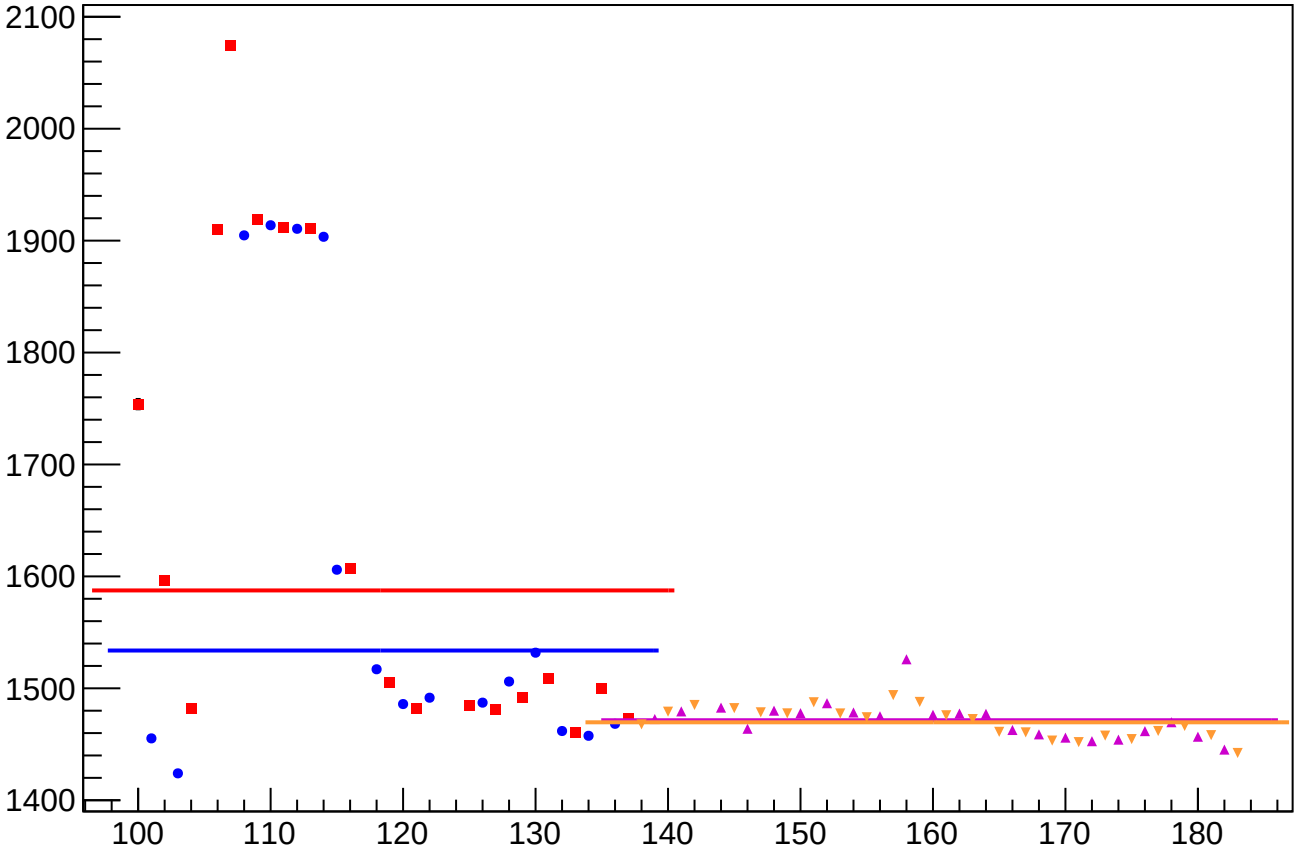
Left In: -1864.167+/-346.403 χ^2/NDF:25.8/21

+ sign 1498.994+/-294.518 χ^2/NDF: 31.8/38

All: -140.349+/-209.704 χ^2/NDF: 136.4/78

- sign -1826.115+/-298.659 χ^2/NDF: 41.8/39

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1469.635+/-0.243 χ^2/NDF:2996.6/22

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

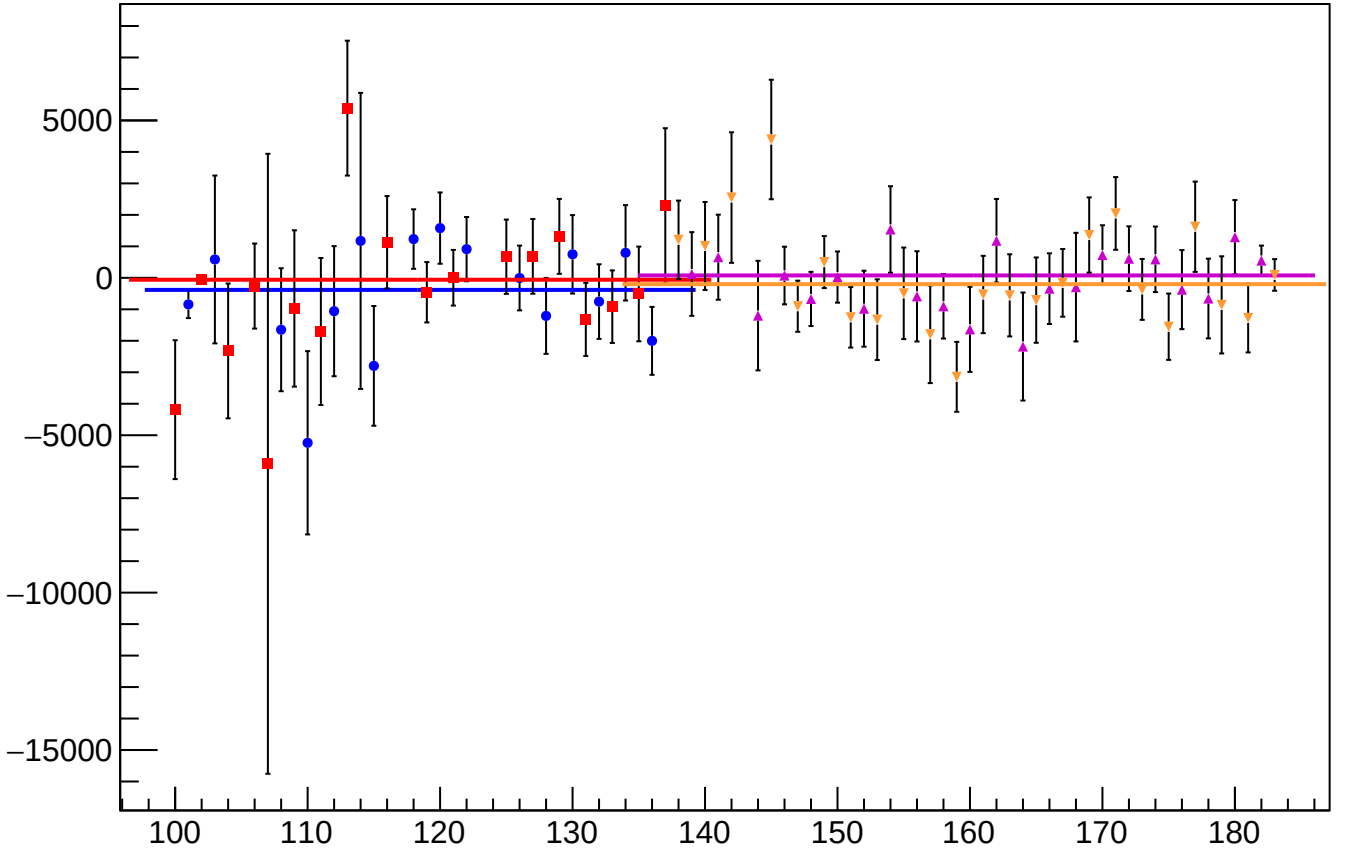
Left In: 1471.473+/-0.245 χ^2/NDF:4468.3/21

+ sign 1486.624+/-0.208 χ^2/NDF: 150736.4/38

All: 1493.831+/-0.148 χ^2/NDF: 387173.6/78

- sign 1501.242+/-0.211 χ^2/NDF: 234007.8/39

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -201.055+/-224.652 χ^2/NDF:31.8/22

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

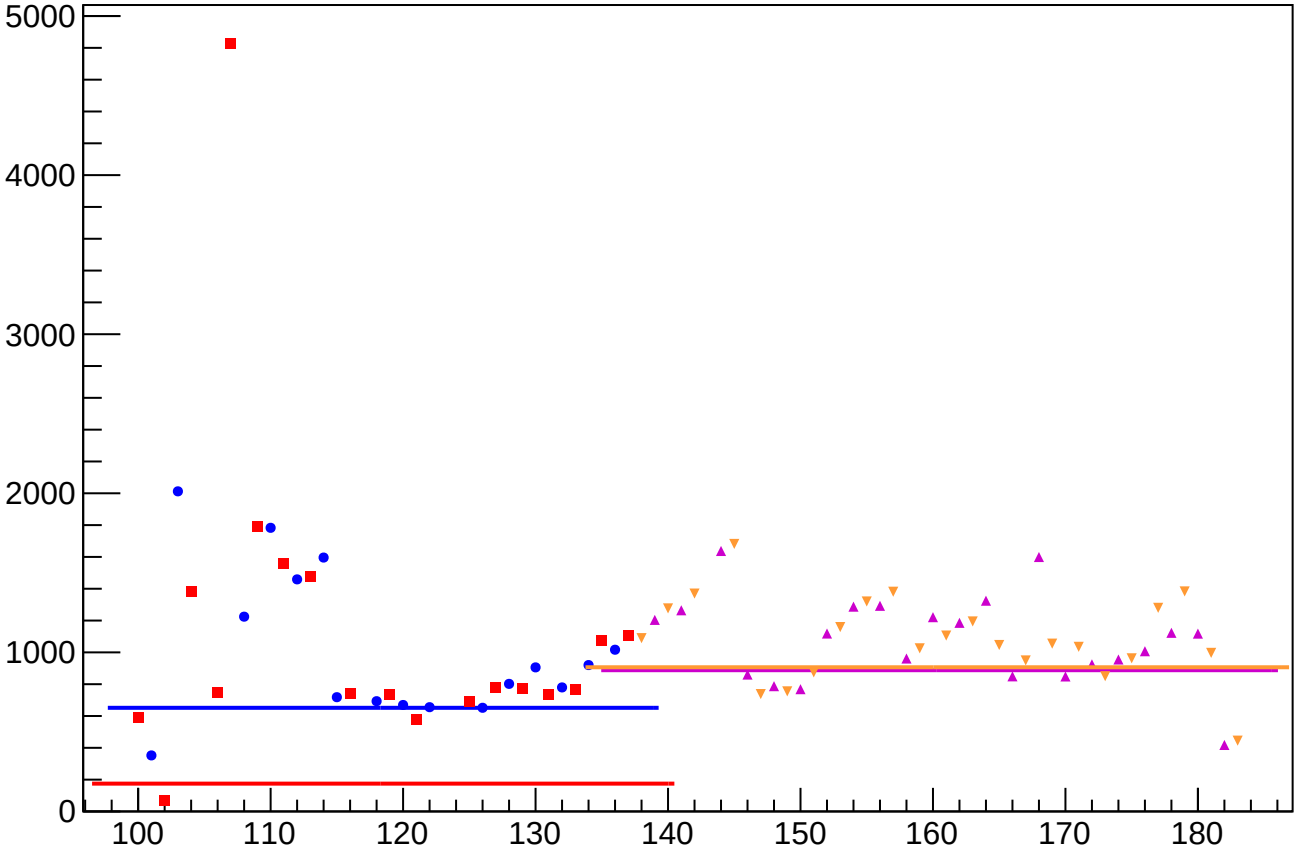
Left In: 76.307+/-222.981 χ^2/NDF:12.2/21

+ sign -274.685+/-173.266 χ^2/NDF: 50.2/38

All: -98.415+/-93.354 χ^2/NDF: 82.0/78

- sign -26.313+/-110.814 χ^2/NDF: 30.3/39

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 906.347+/-0.159 χ^2/NDF:3490240.0/22

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

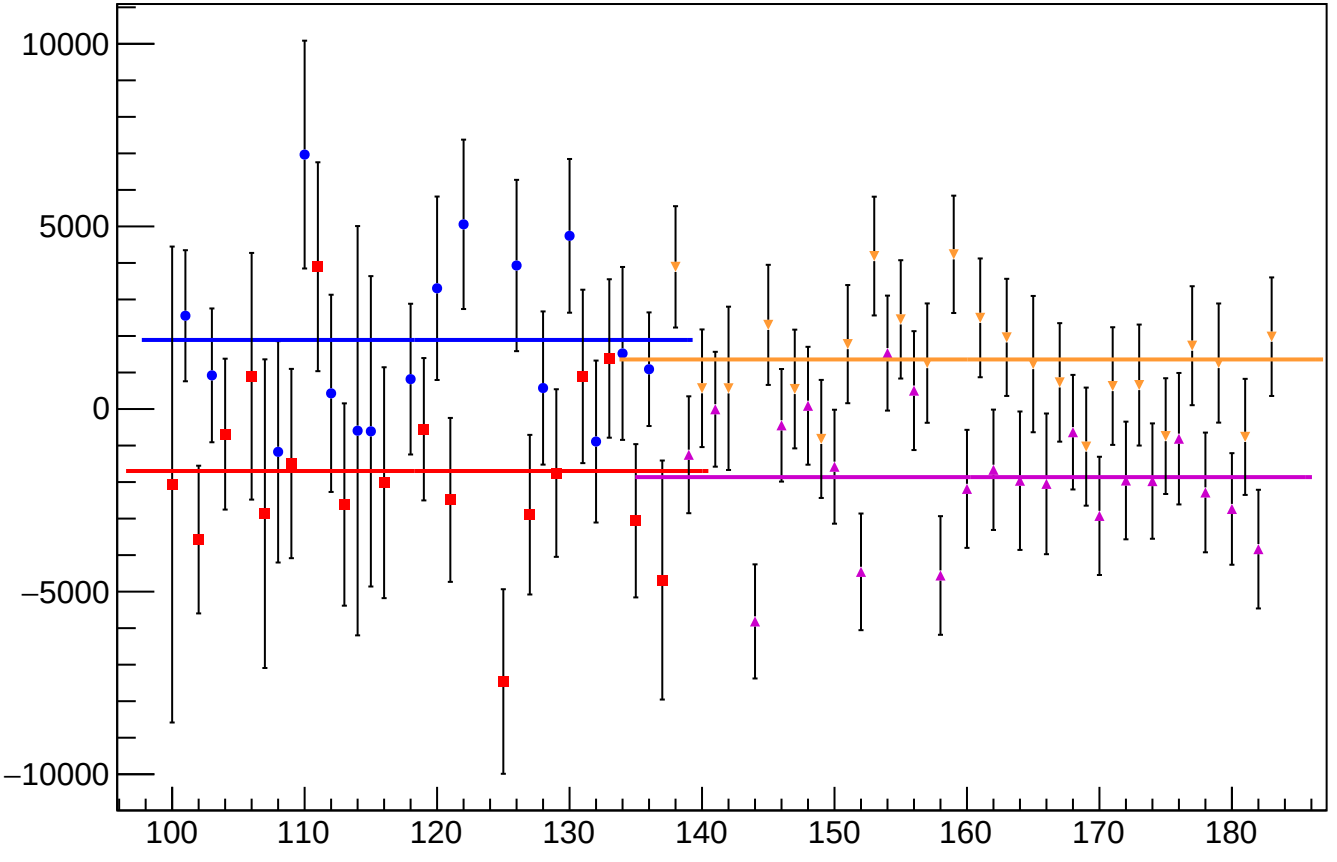
Left In: 887.963+/-0.158 χ^2/NDF:3941002.0/21

+ sign 803.104+/-0.123 χ^2/NDF: 7295479.4/38

All: 482.252+/-0.066 χ^2/NDF: 46062772.5/78

- sign 351.010+/-0.078 χ^2/NDF: 29103681.7/39

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1357.579+/-343.506 χ^2/NDF:18.9/22

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

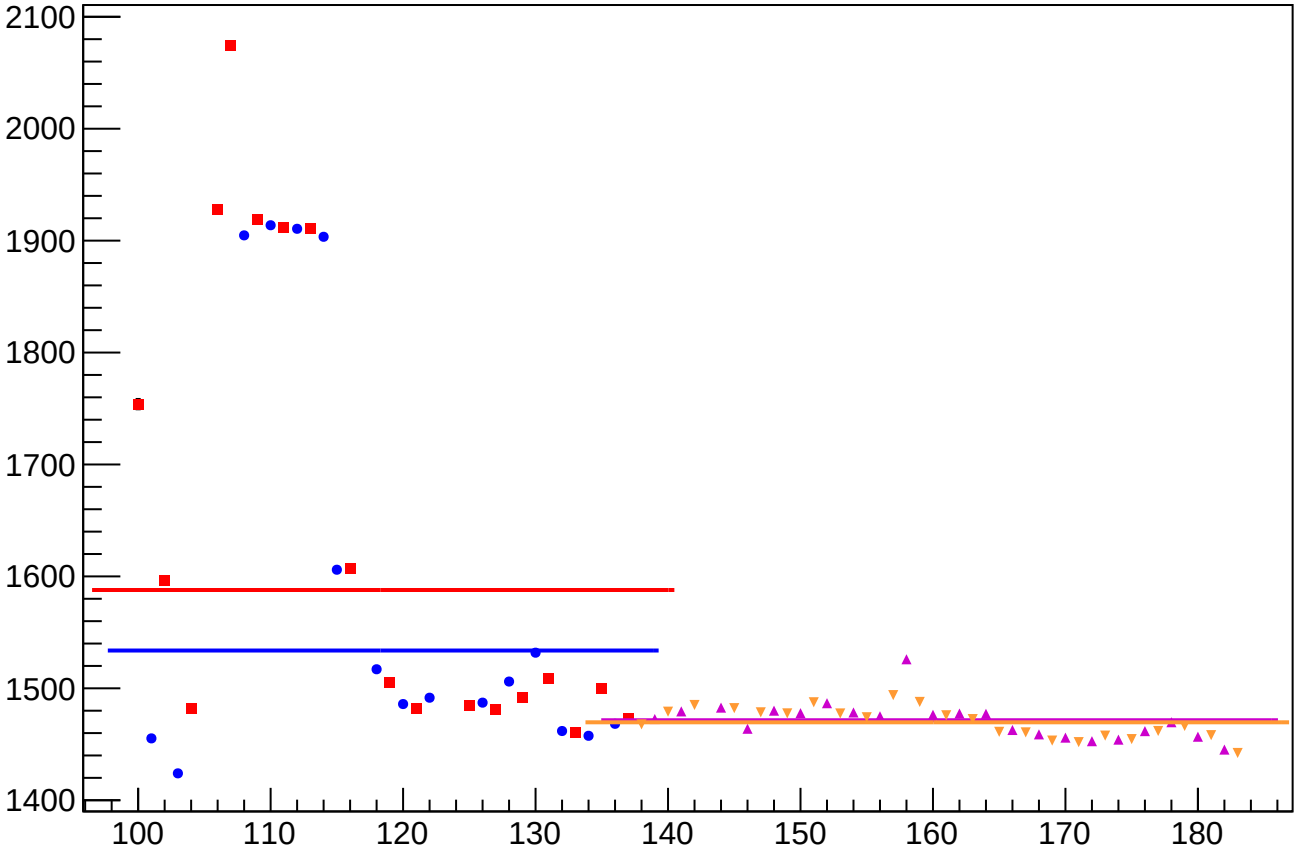
Left In: -1864.198+/-346.403 χ^2/NDF:25.8/21

+ sign 1499.024+/-294.518 χ^2/NDF: 31.8/38

All: -137.830+/-209.712 χ^2/NDF: 136.4/78

- sign -1821.302+/-298.682 χ^2/NDF: 42.0/39

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1469.635+/-0.243 χ^2/NDF:2996.6/22

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

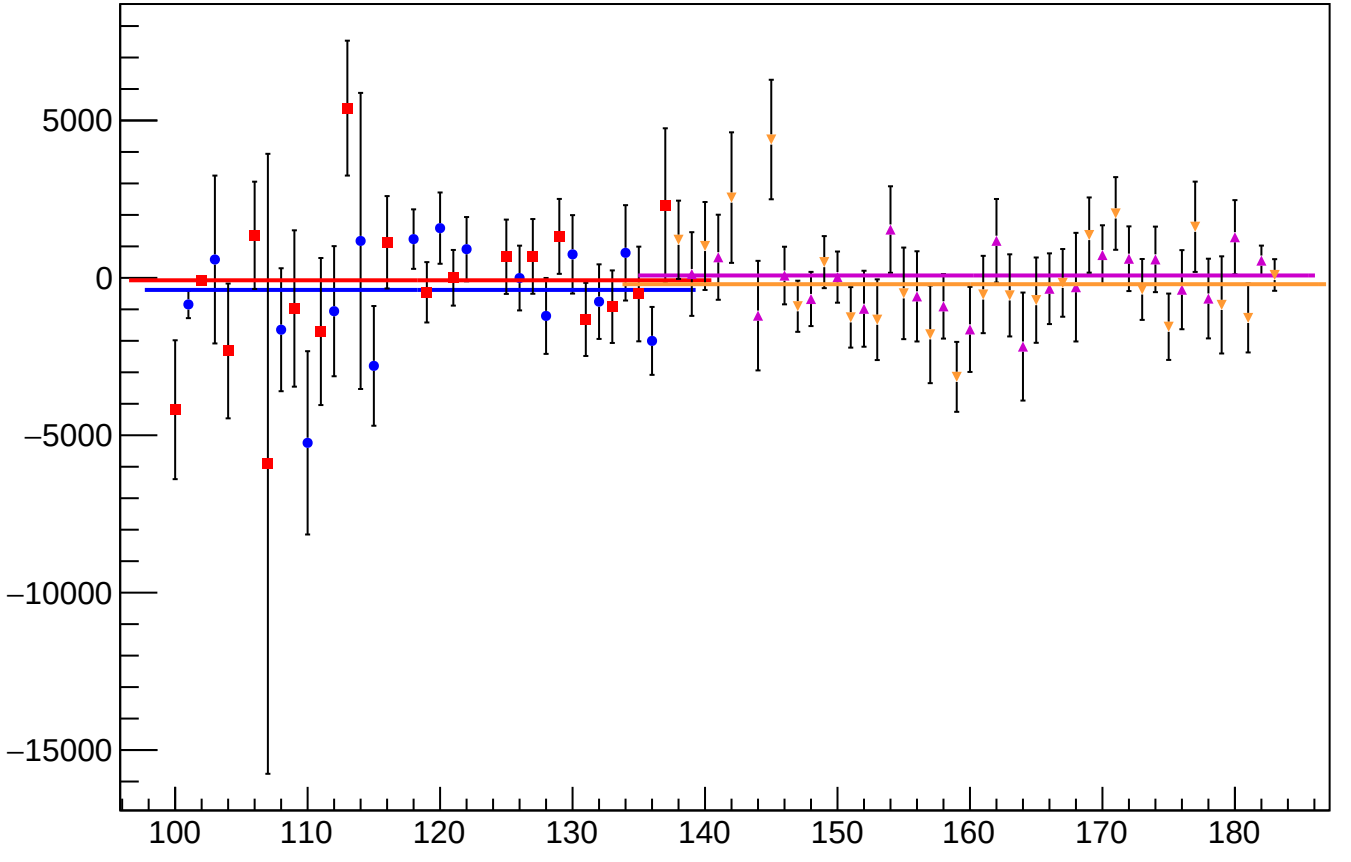
Left In: 1471.473+/-0.245 χ^2/NDF:4468.3/21

\+ sign 1486.624+/-0.208 χ^2/NDF: 150736.4/38

All: 1493.872+/-0.148 χ^2/NDF: 389336.5/78

\- sign 1501.327+/-0.211 χ^2/NDF: 236142.6/39

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -201.065+/-224.650 χ^2/NDF:31.8/22

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

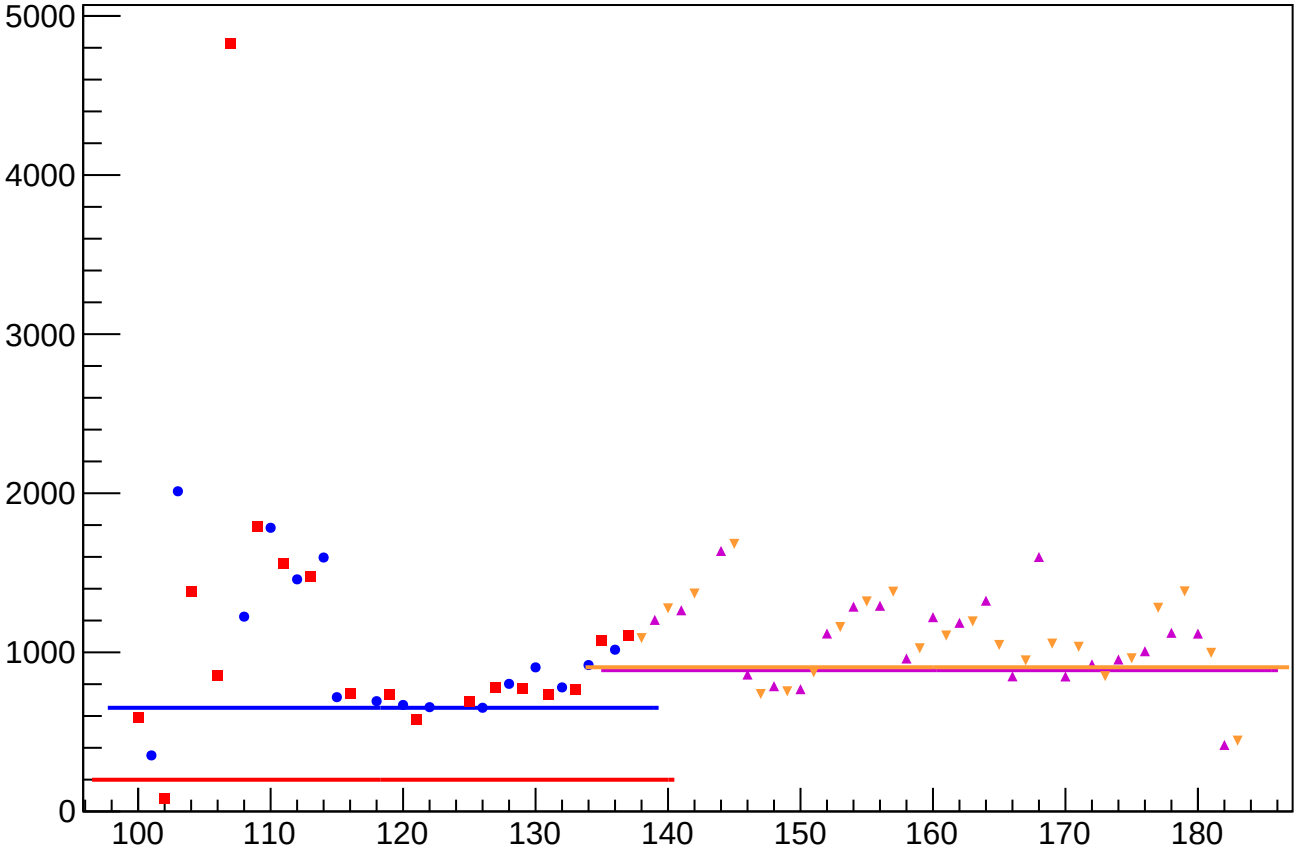
Left In: 76.398+/-222.982 χ^2/NDF:12.2/21

+ sign -274.680+/-173.265 χ^2/NDF: 50.2/38

All: -109.947+/-97.207 χ^2/NDF: 82.6/78

- sign -34.279+/-117.429 χ^2/NDF: 31.0/39

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 906.338+/-0.159 χ^2/NDF:3490537.6/22

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

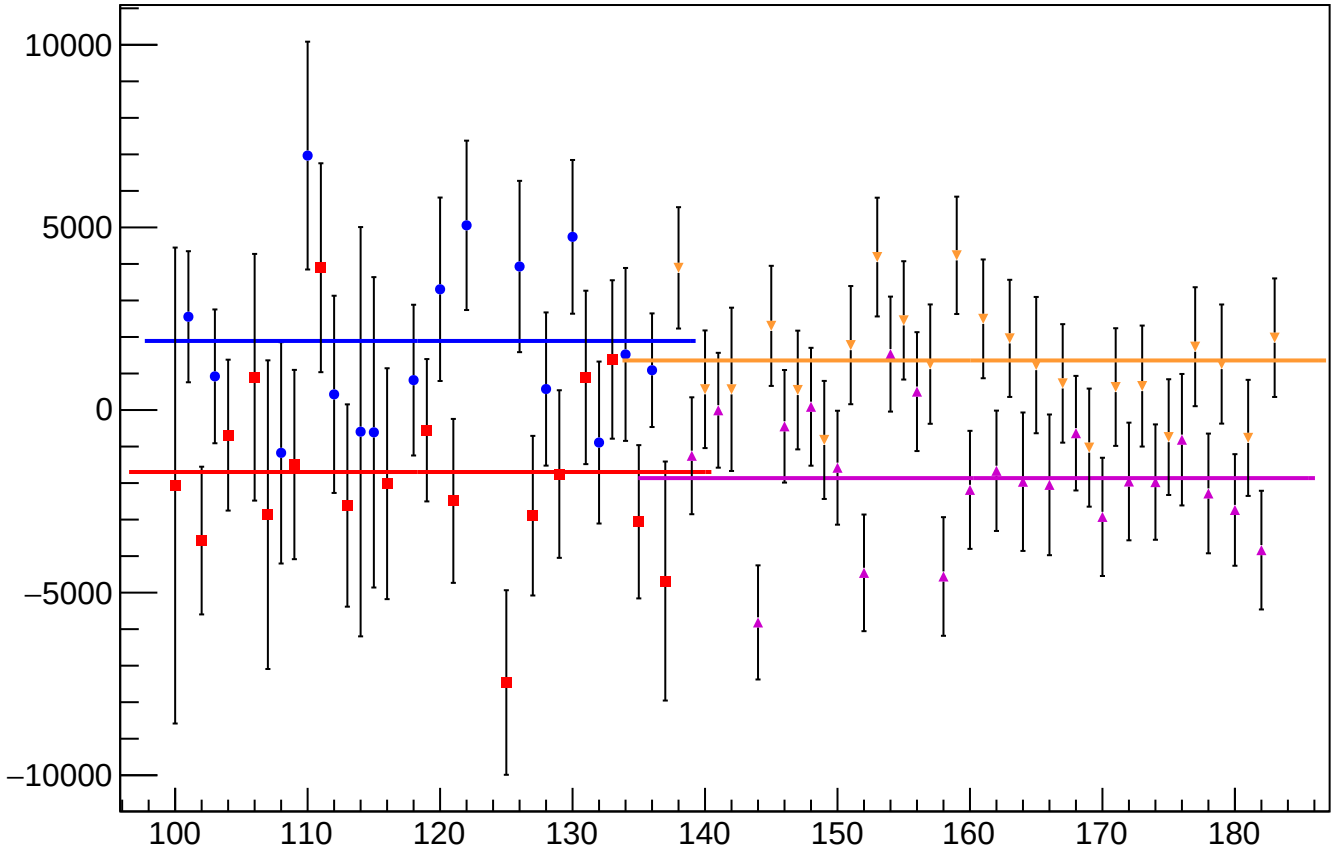
Left In: 887.969+/-0.158 χ^2/NDF:3940926.4/21

+ sign 803.099+/-0.123 χ^2/NDF: 7295744.8/38

All: 520.251+/-0.069 χ^2/NDF: 42083979.2/78

- sign 390.328+/-0.083 χ^2/NDF: 27010208.1/39

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1357.579+/-343.506 χ^2/NDF:18.9/22

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

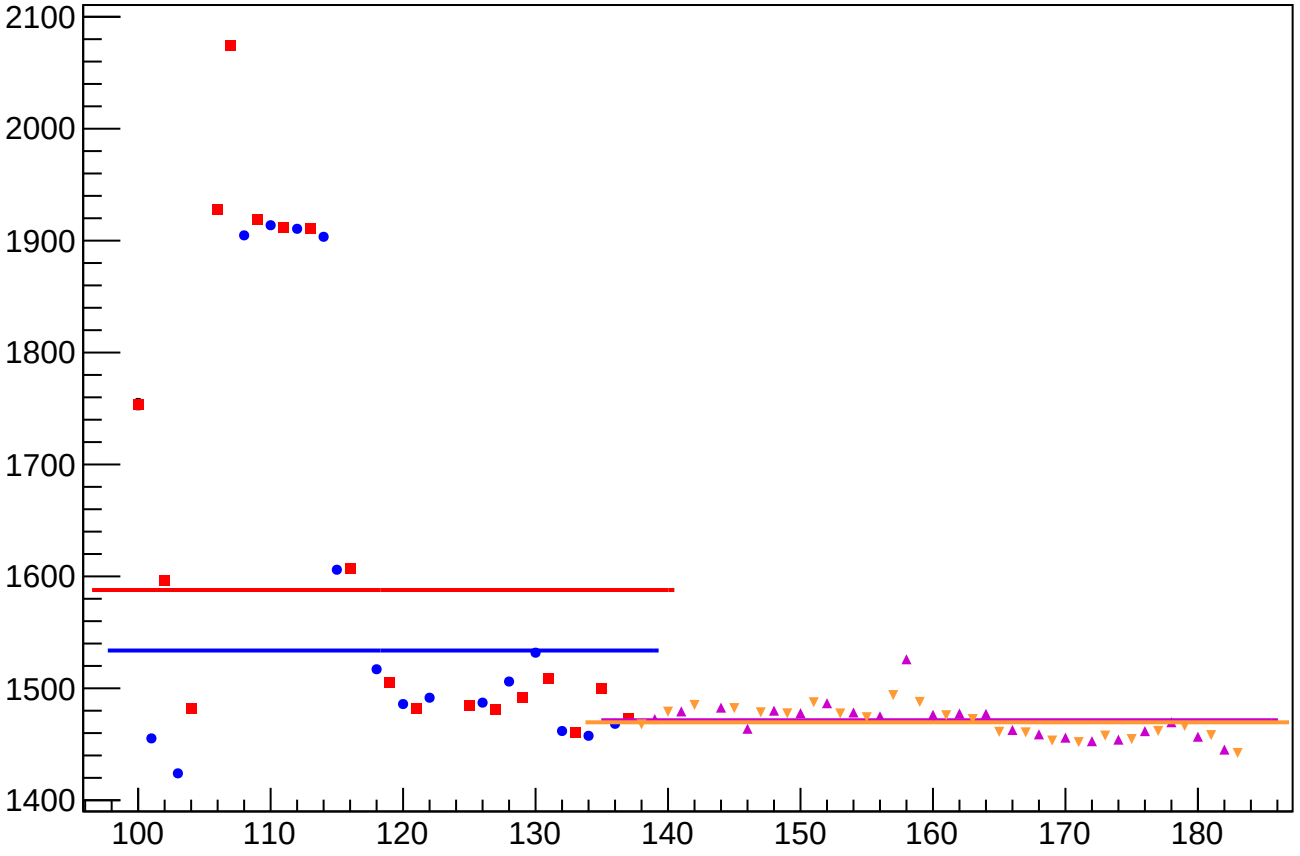
Left In: -1864.198+/-346.403 χ^2/NDF:25.8/21

+ sign 1499.024+/-294.518 χ^2/NDF: 31.8/38

All: -137.830+/-209.712 χ^2/NDF: 136.4/78

- sign -1821.302+/-298.682 χ^2/NDF: 42.0/39

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1469.635+/-0.243 χ^2/NDF:2996.6/22

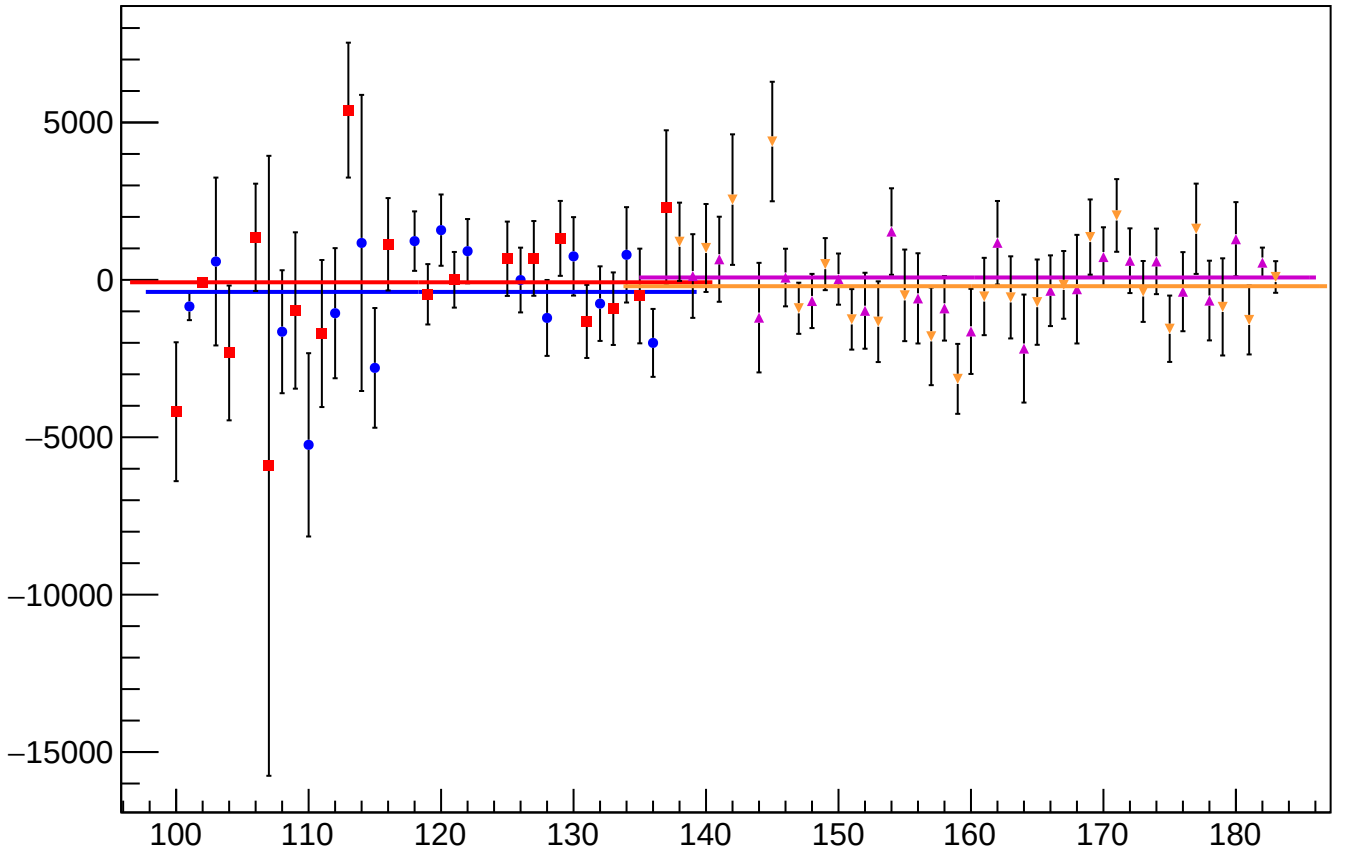
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1471.473+/-0.245 χ^2/NDF:4468.3/21

+ sign 1486.624+/-0.208 χ^2/NDF: 150736.4/38

All: 1493.872+/-0.148 χ^2/NDF: 389336.5/78

- sign 1501.327+/-0.211 χ^2/NDF: 236142.6/39



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -201.065+/-224.650 χ^2/NDF:31.8/22

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

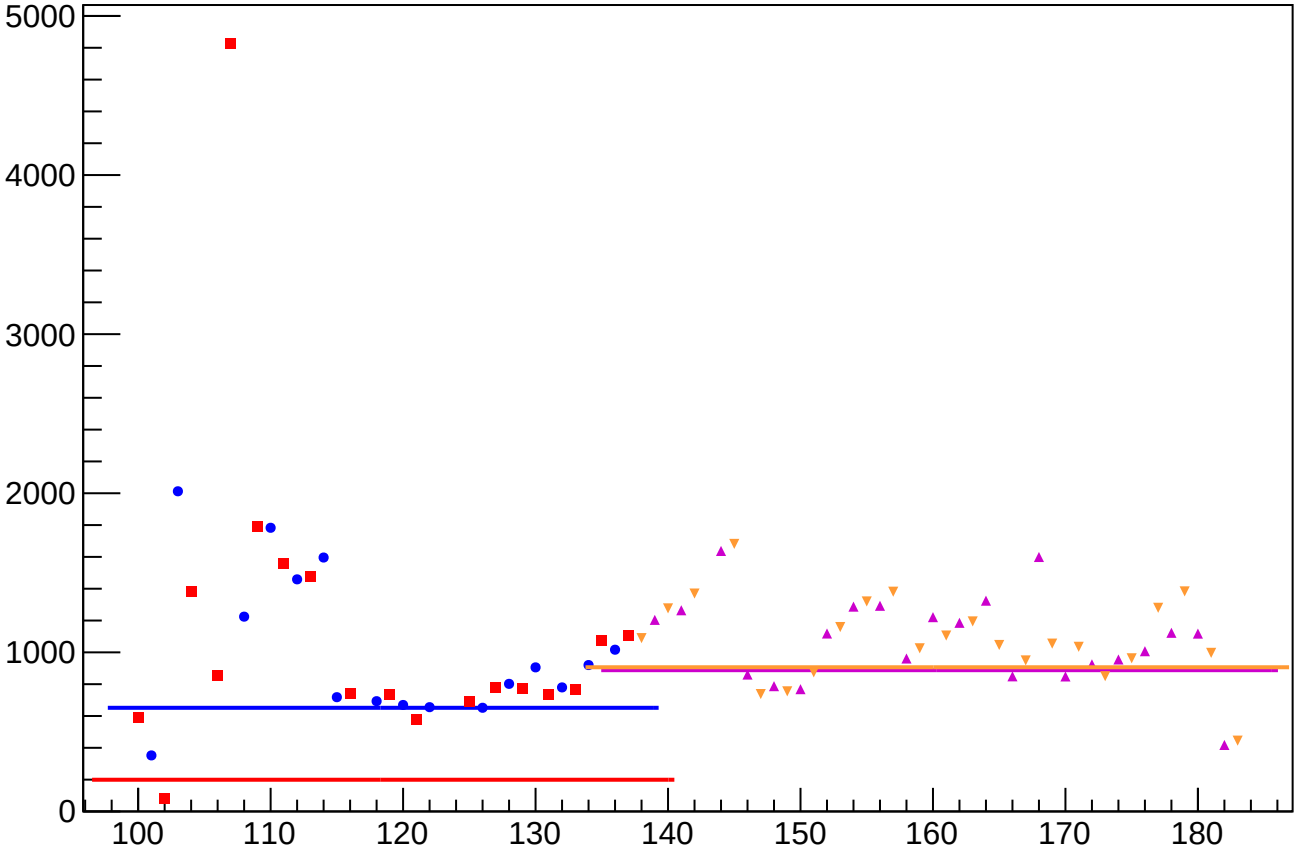
Left In: 76.398+/-222.982 χ^2/NDF:12.2/21

+ sign -274.680+/-173.265 χ^2/NDF: 50.2/38

All: -109.947+/-97.207 χ^2/NDF: 82.6/78

- sign -34.279+/-117.429 χ^2/NDF: 31.0/39

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 906.338+/-0.159 χ^2/NDF:3490537.6/22

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

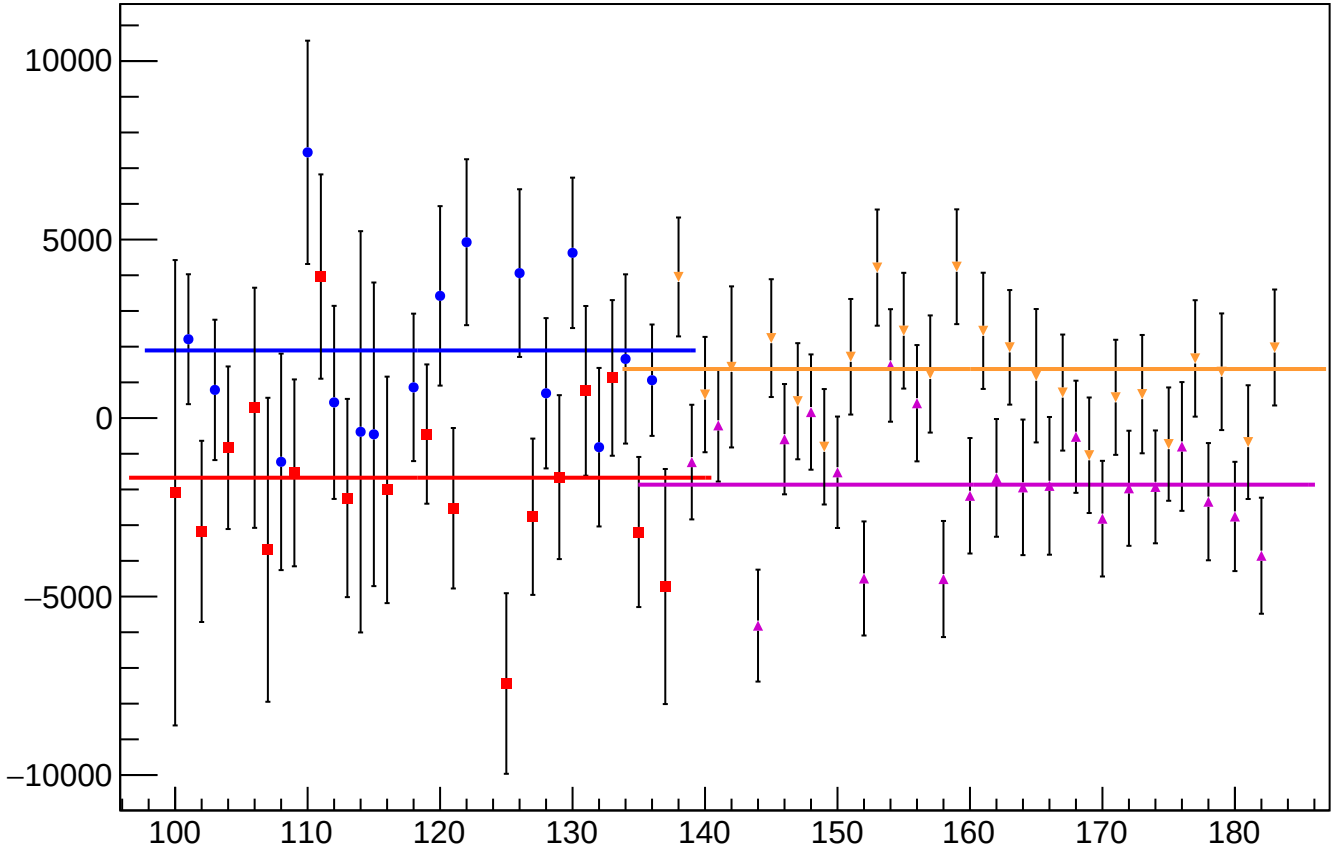
Left In: 887.969+/-0.158 χ^2/NDF:3940926.4/21

+ sign 803.099+/-0.123 χ^2/NDF: 7295744.8/38

All: 520.251+/-0.069 χ^2/NDF: 42083979.2/78

- sign 390.328+/-0.083 χ^2/NDF: 27010208.1/39

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1374.138+/-344.072 χ^2/NDF:18.7/22

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

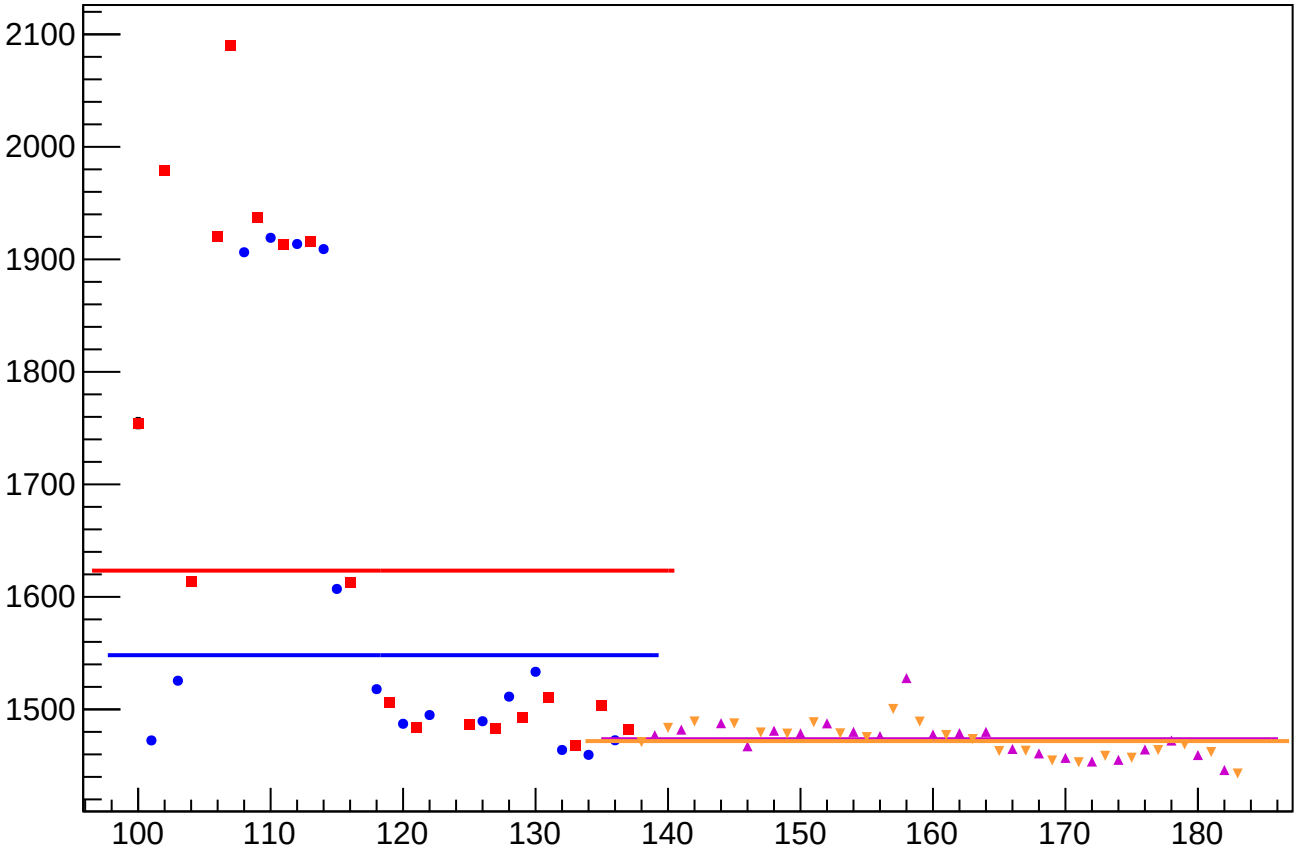
Left In: -1865.878+/-346.881 χ^2/NDF:25.1/21

+ sign 1510.330+/-295.604 χ^2/NDF: 31.6/38

All: -124.067+/-210.873 χ^2/NDF: 134.1/78

- sign -1817.628+/-300.907 χ^2/NDF: 40.3/39

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1471.824+/-0.243 χ^2/NDF:3262.2/22

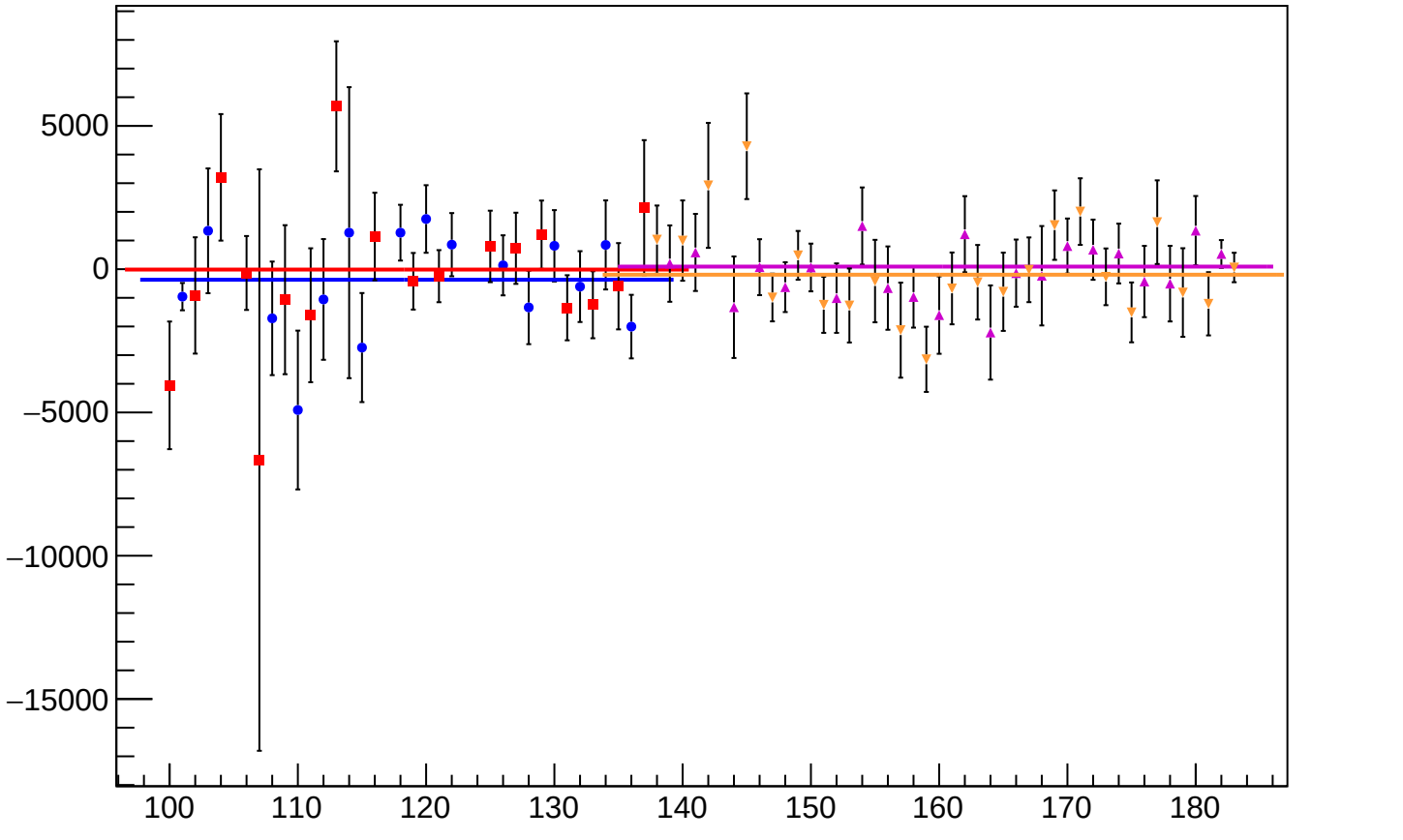
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1473.488+/-0.245 χ^2/NDF:4560.8/21

\+ sign 1491.819+/-0.209 χ^2/NDF: 148958.6/38

All: 1501.030+/-0.149 χ^2/NDF: 461376.8/78

\- sign 1510.575+/-0.213 χ^2/NDF: 308464.1/39



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -193.309+/-228.176 χ^2/NDF:31.7/22

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

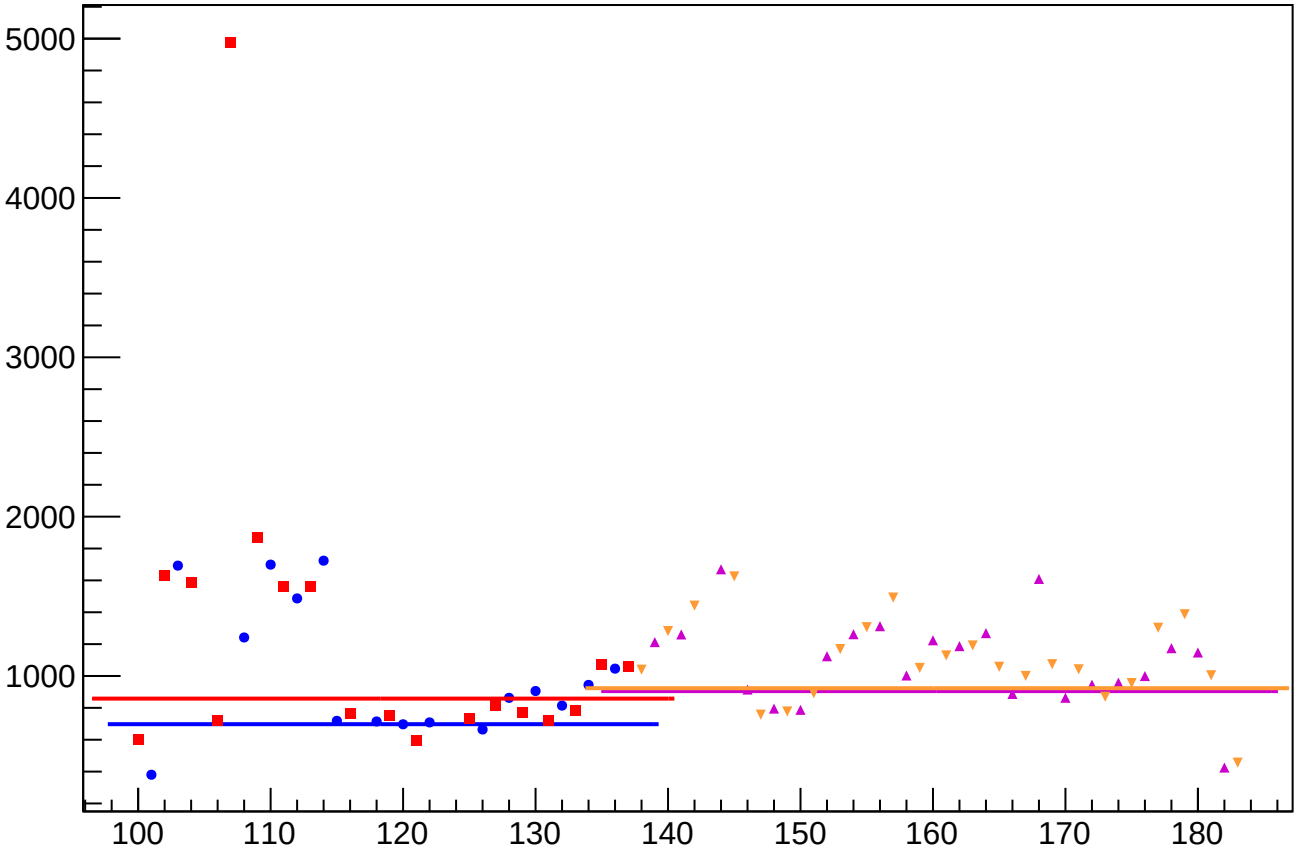
Left In: 89.508+/-226.693 χ^2/NDF:12.3/21

+ sign -261.362+/-178.505 χ^2/NDF: 50.8/38

All: -110.721+/-129.735 χ^2/NDF: 83.8/78

- sign 57.939+/-188.880 χ^2/NDF: 31.5/39

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 923.330+/-0.161 χ^2/NDF:3374554.7/22

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

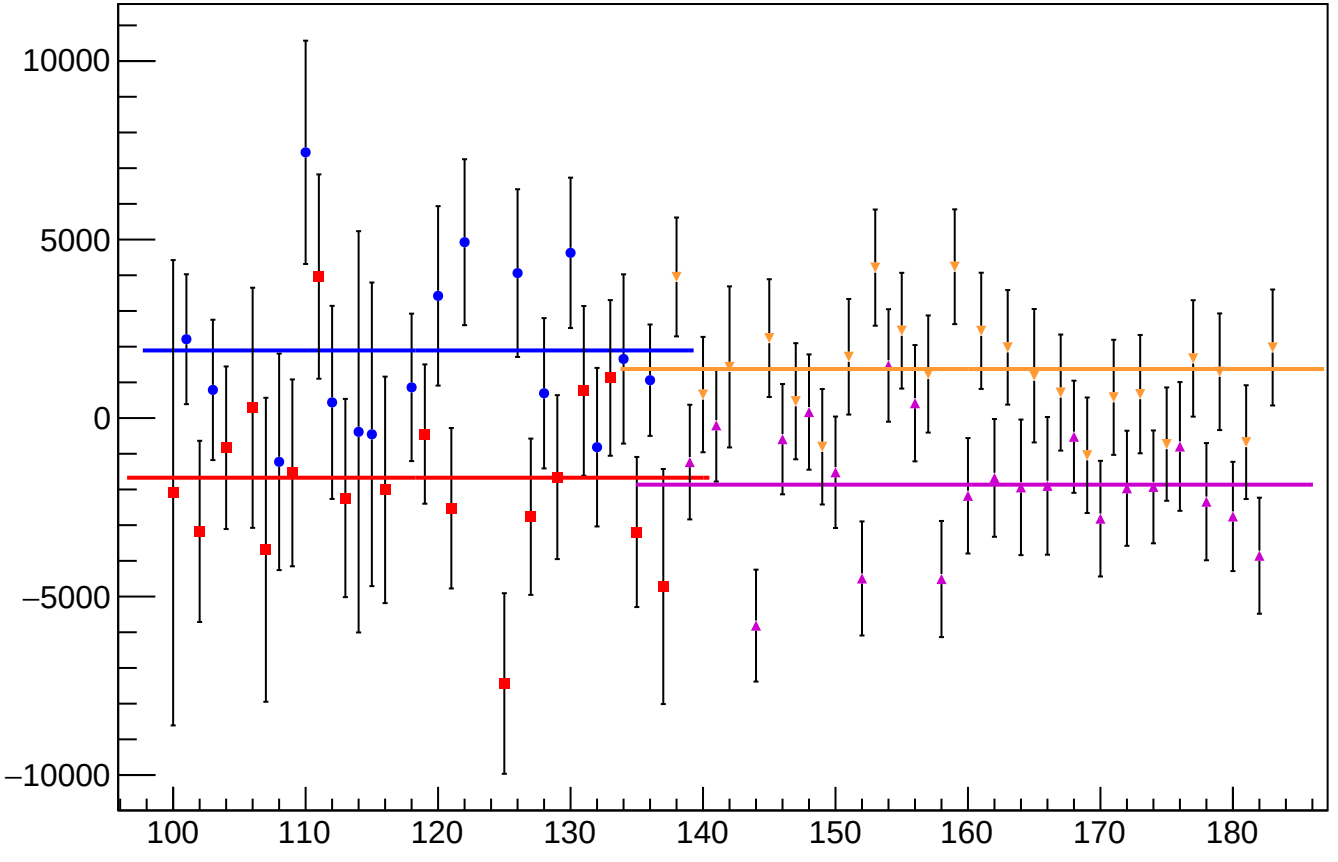
Left In: 905.132+/-0.160 χ^2/NDF:3852203.2/21

+ sign 835.717+/-0.126 χ^2/NDF: 6570147.9/38

All: 861.680+/-0.092 χ^2/NDF: 12420526.2/78

- sign 890.749+/-0.134 χ^2/NDF: 5760697.3/39

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1374.137+/-344.072 χ^2/NDF:18.7/22

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

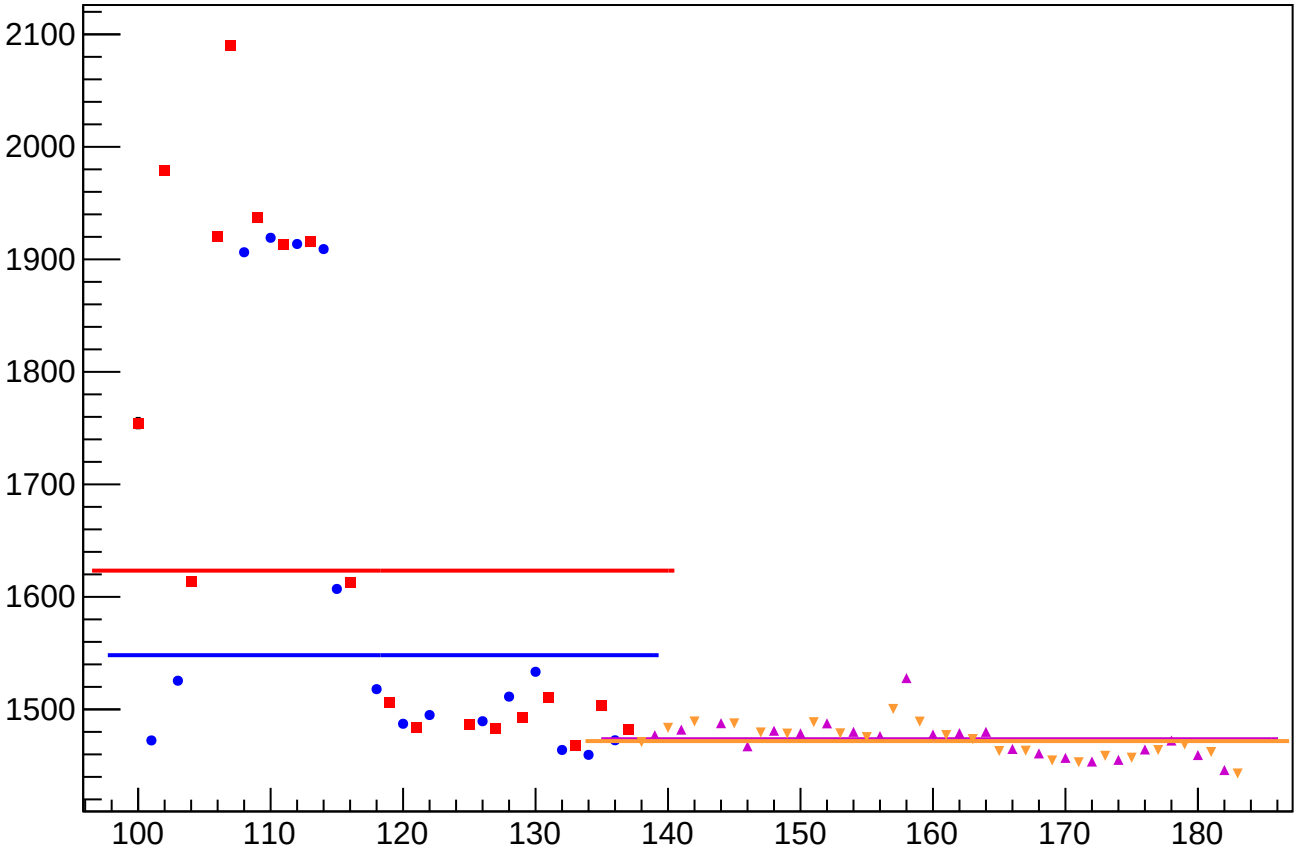
Left In: -1865.879+/-346.881 χ^2/NDF:25.1/21

+ sign 1510.328+/-295.604 χ^2/NDF: 31.6/38

All: -124.067+/-210.873 χ^2/NDF: 134.1/78

- sign -1817.628+/-300.907 χ^2/NDF: 40.3/39

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1471.824+/-0.243 χ^2/NDF:3262.2/22

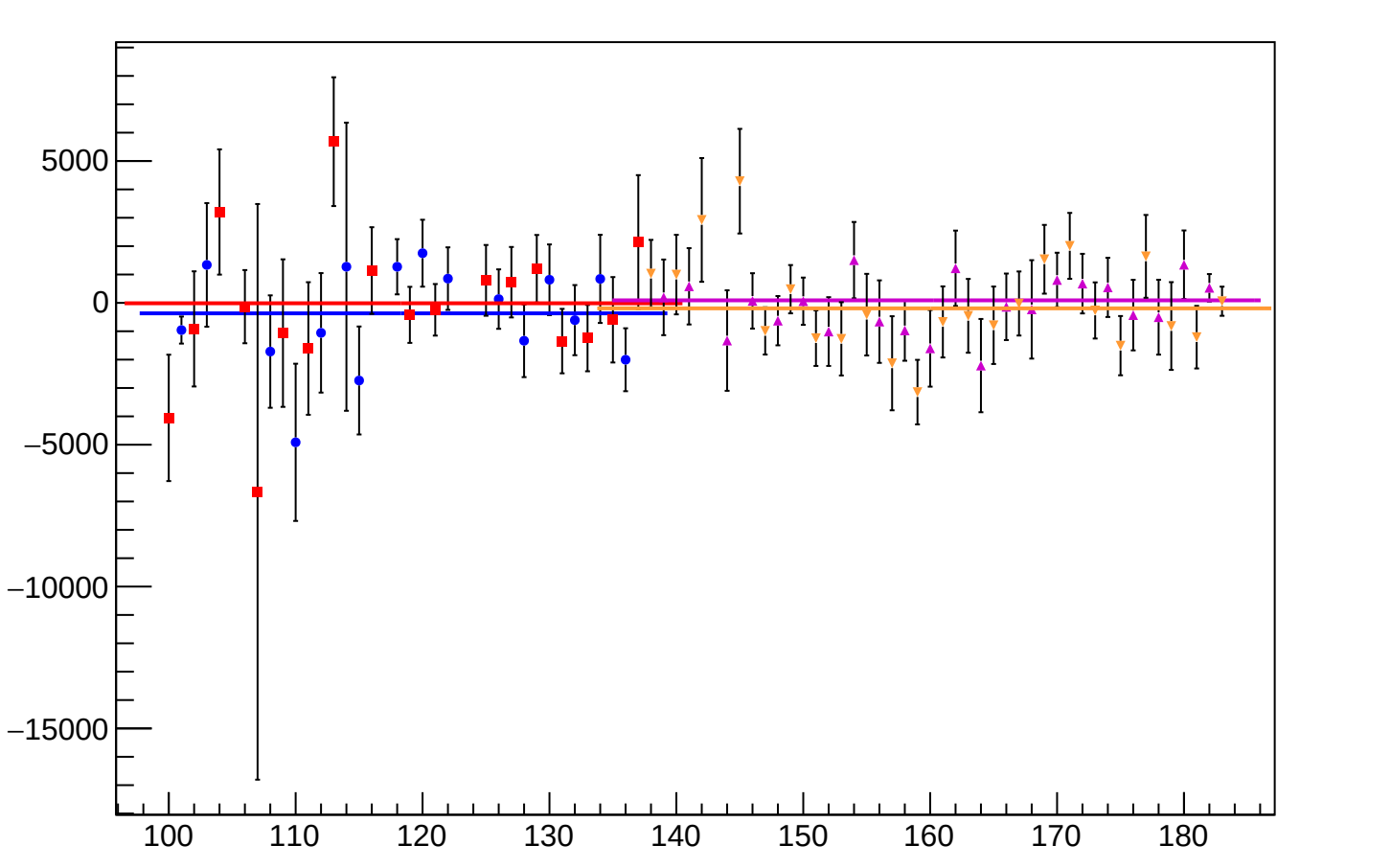
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1473.488+/-0.245 χ^2/NDF:4560.8/21

+ sign 1491.819+/-0.209 χ^2/NDF: 148958.5/38

All: 1501.030+/-0.149 χ^2/NDF: 461376.2/78

- sign 1510.575+/-0.213 χ^2/NDF: 308463.6/39



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -193.310+/-228.177 χ^2/NDF:31.7/22

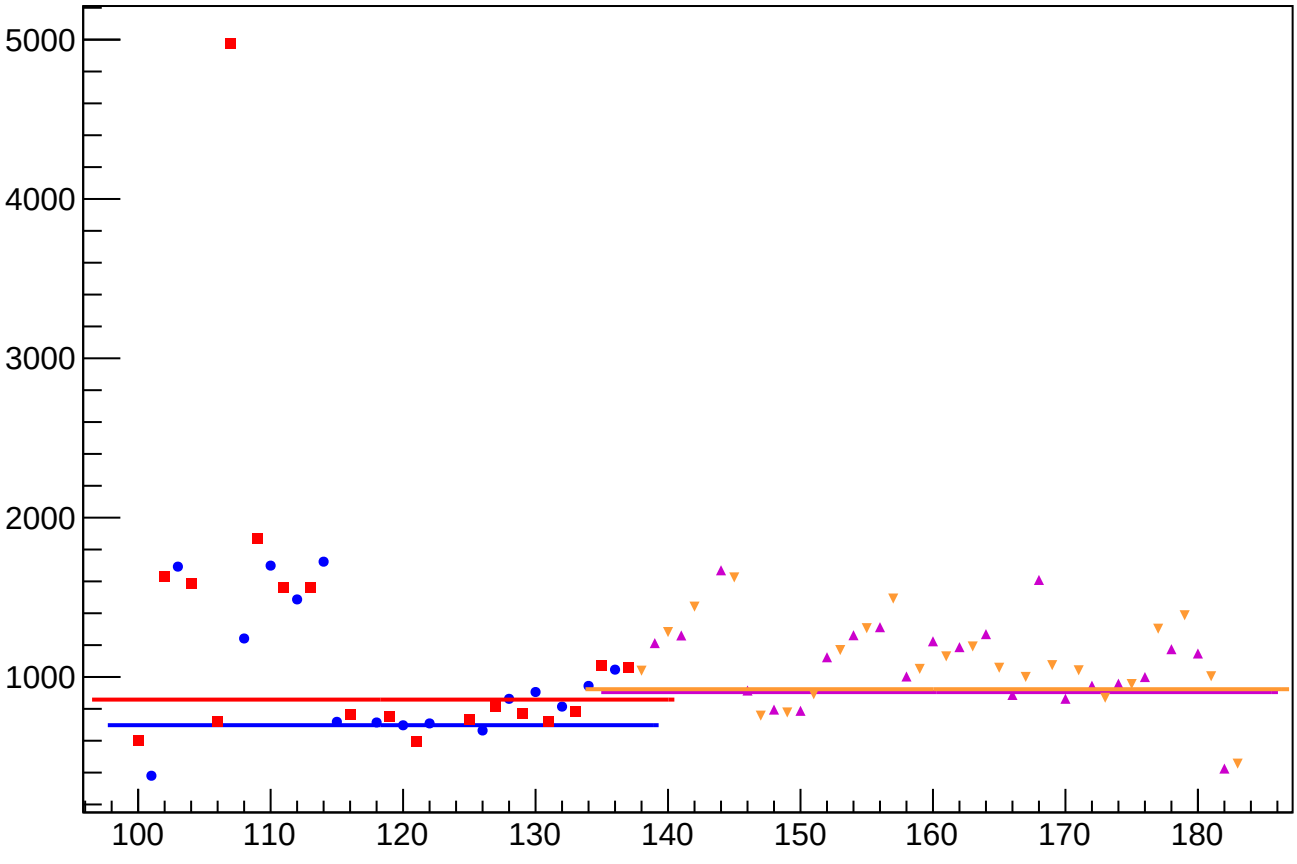
Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 89.508+/-226.694 χ^2/NDF:12.3/21

+ sign -261.362+/-178.505 χ^2/NDF: 50.8/38

All: -110.722+/-129.735 χ^2/NDF: 83.8/78

- sign 57.939+/-188.880 χ^2/NDF: 31.5/39



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 923.331+/-0.161 χ^2/NDF:3374561.5/22

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

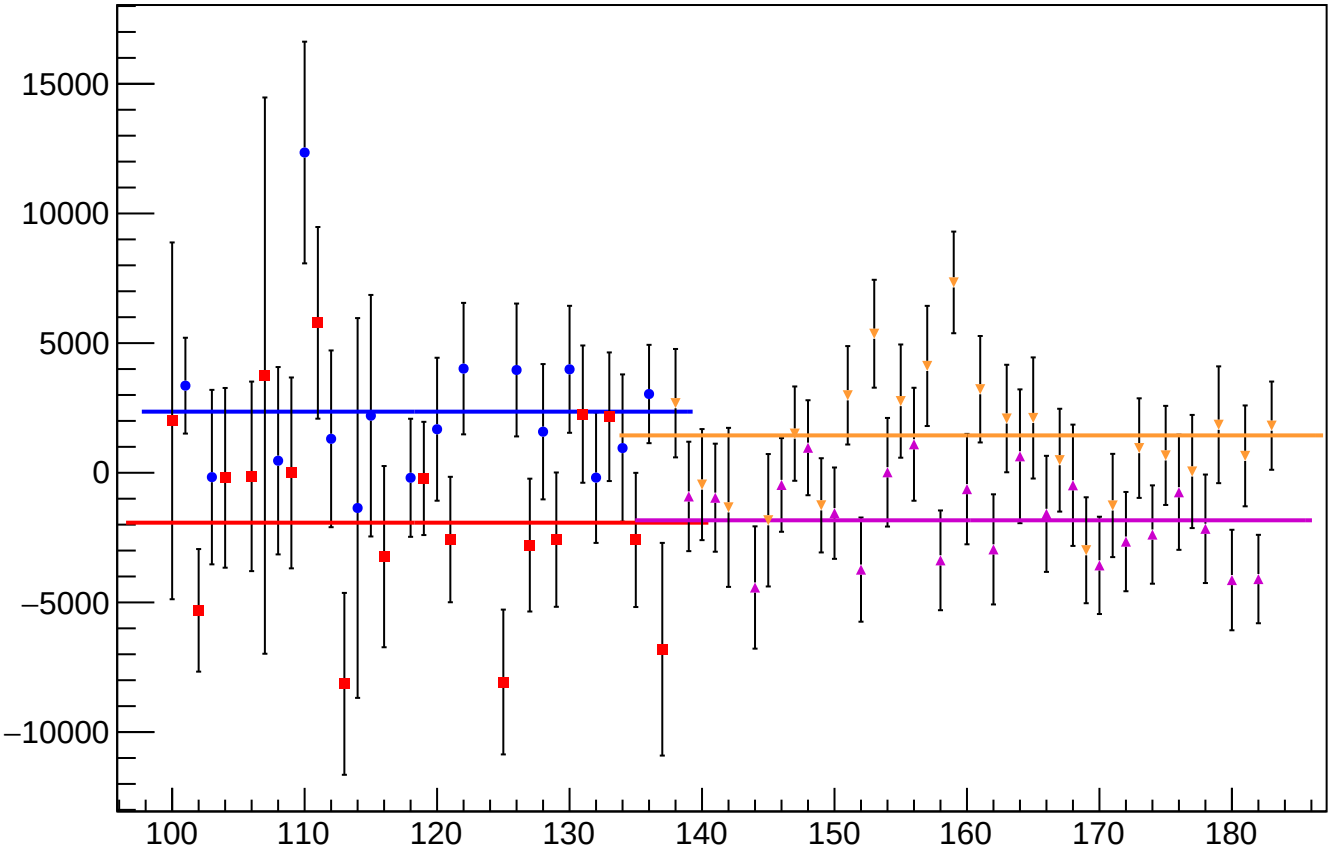
Left In: 905.133+/-0.160 χ^2/NDF:3852208.5/21

+ sign 835.718+/-0.126 χ^2/NDF: 6570153.3/38

All: 861.681+/-0.092 χ^2/NDF: 12420548.5/78

- sign 890.749+/-0.134 χ^2/NDF: 5760715.2/39

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1441.496+/-428.819 χ^2/NDF:29.4/22

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

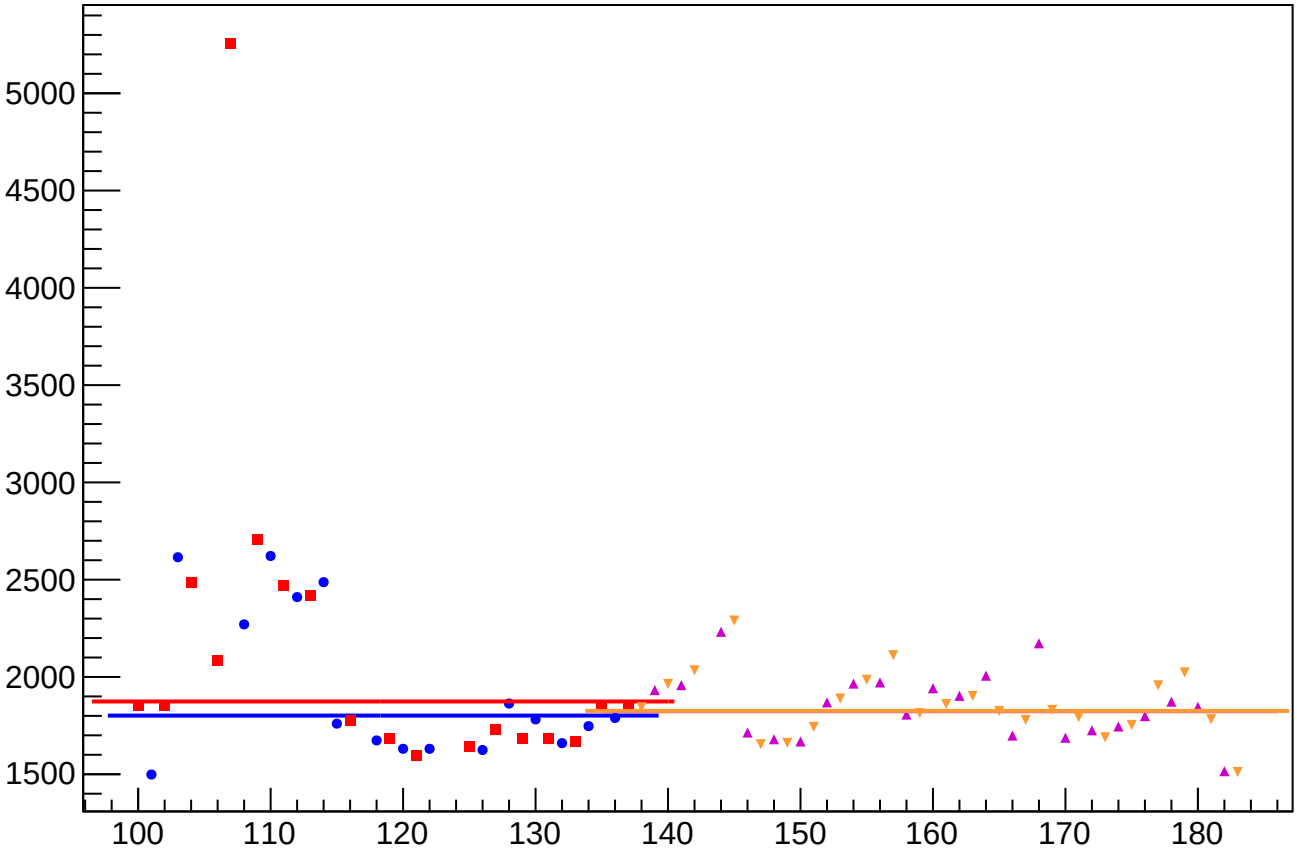
Left In: -1833.015+/-431.548 χ^2/NDF:15.1/21

+ sign 1702.560+/-362.559 χ^2/NDF: 41.7/38

All: -49.613+/-258.382 χ^2/NDF: 127.7/78

- sign -1857.946+/-368.323 χ^2/NDF: 38.5/39

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1825.569+/-0.303 χ^2/NDF:274640.4/22

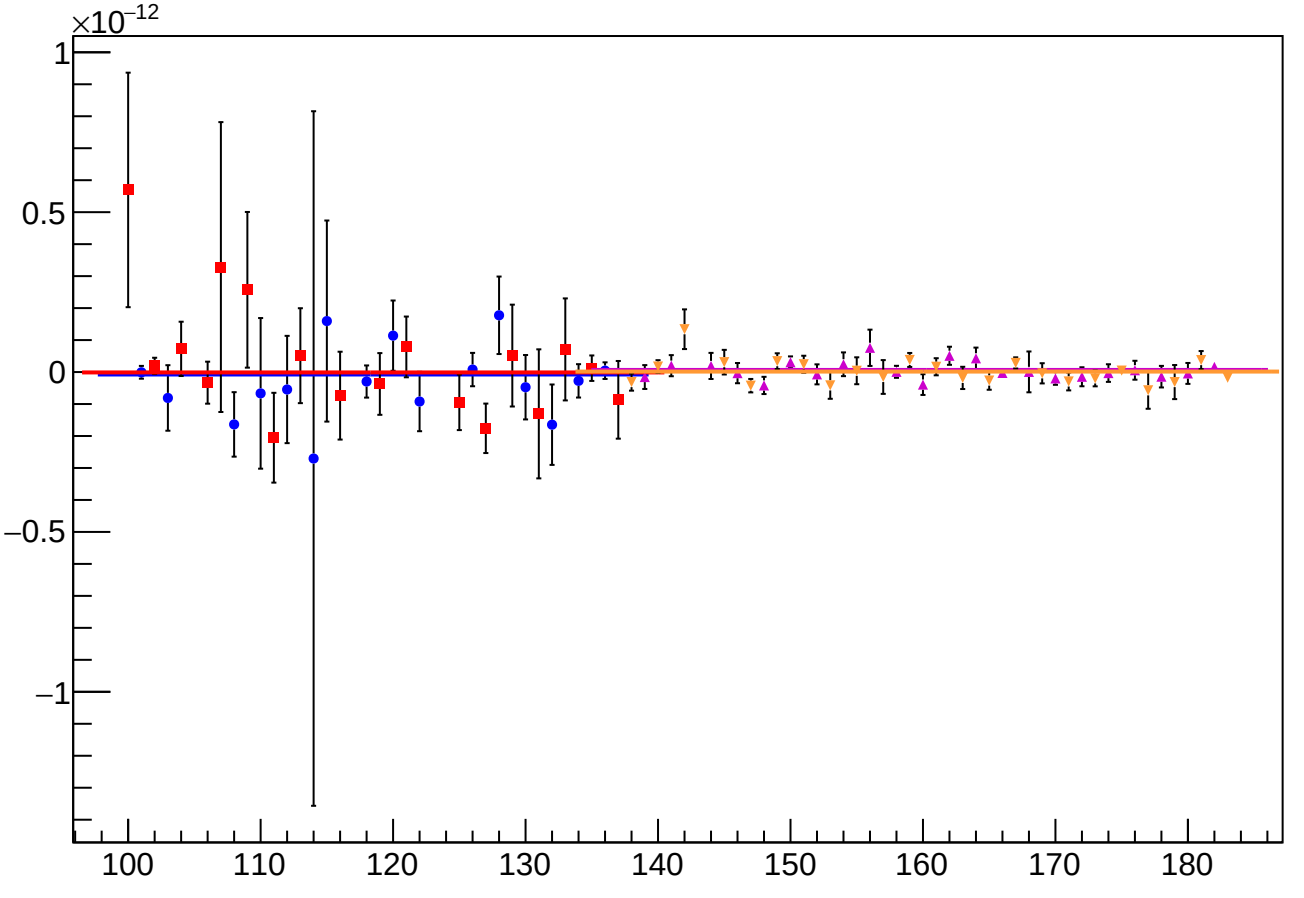
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1824.167+/-0.305 χ^2/NDF:284395.1/21

+ sign 1818.714+/-0.256 χ^2/NDF: 677135.4/38

All: 1828.054+/-0.183 χ^2/NDF: 1541371.7/78

- sign 1837.693+/-0.260 χ^2/NDF: 861539.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/22

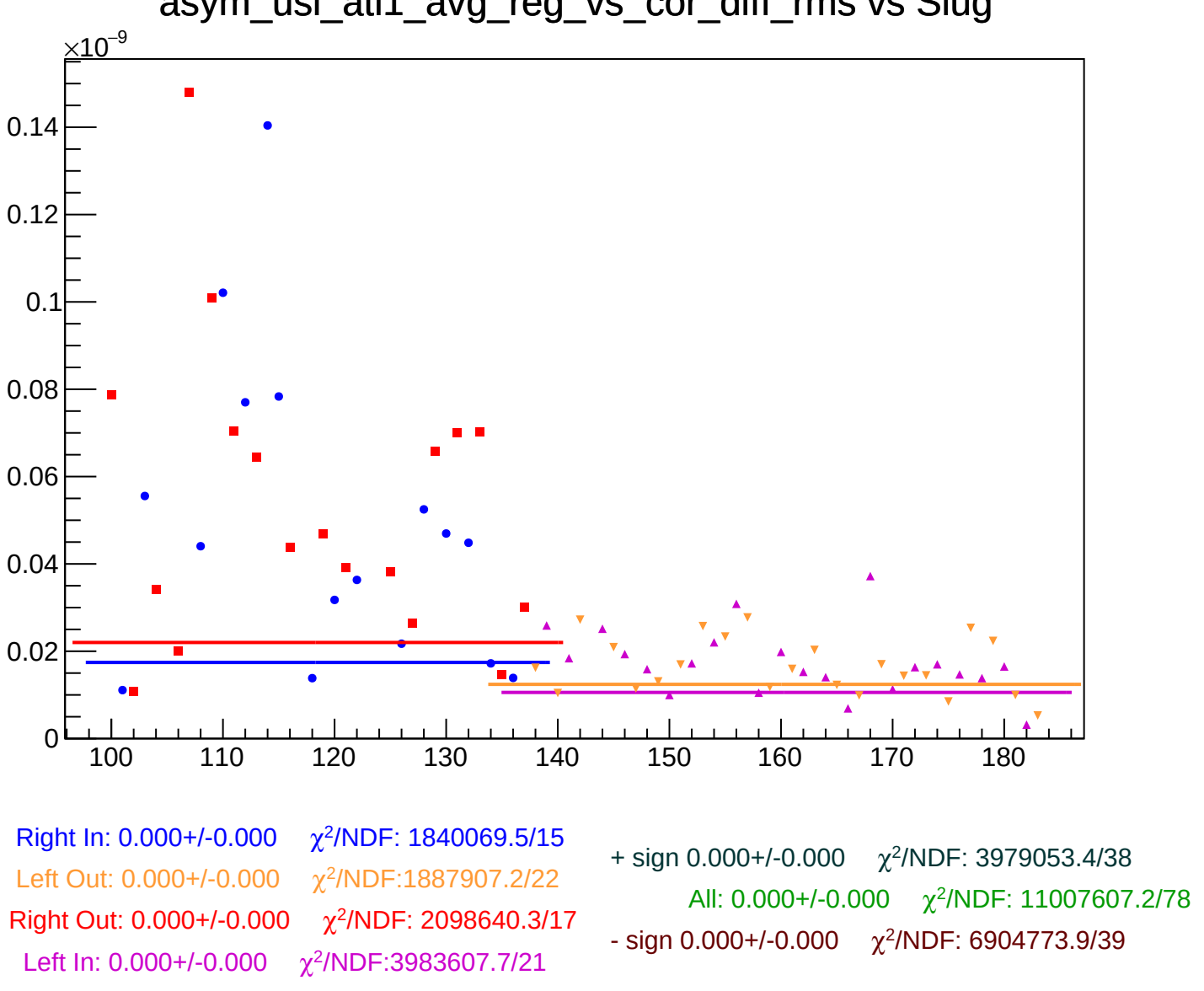
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:17.8/21

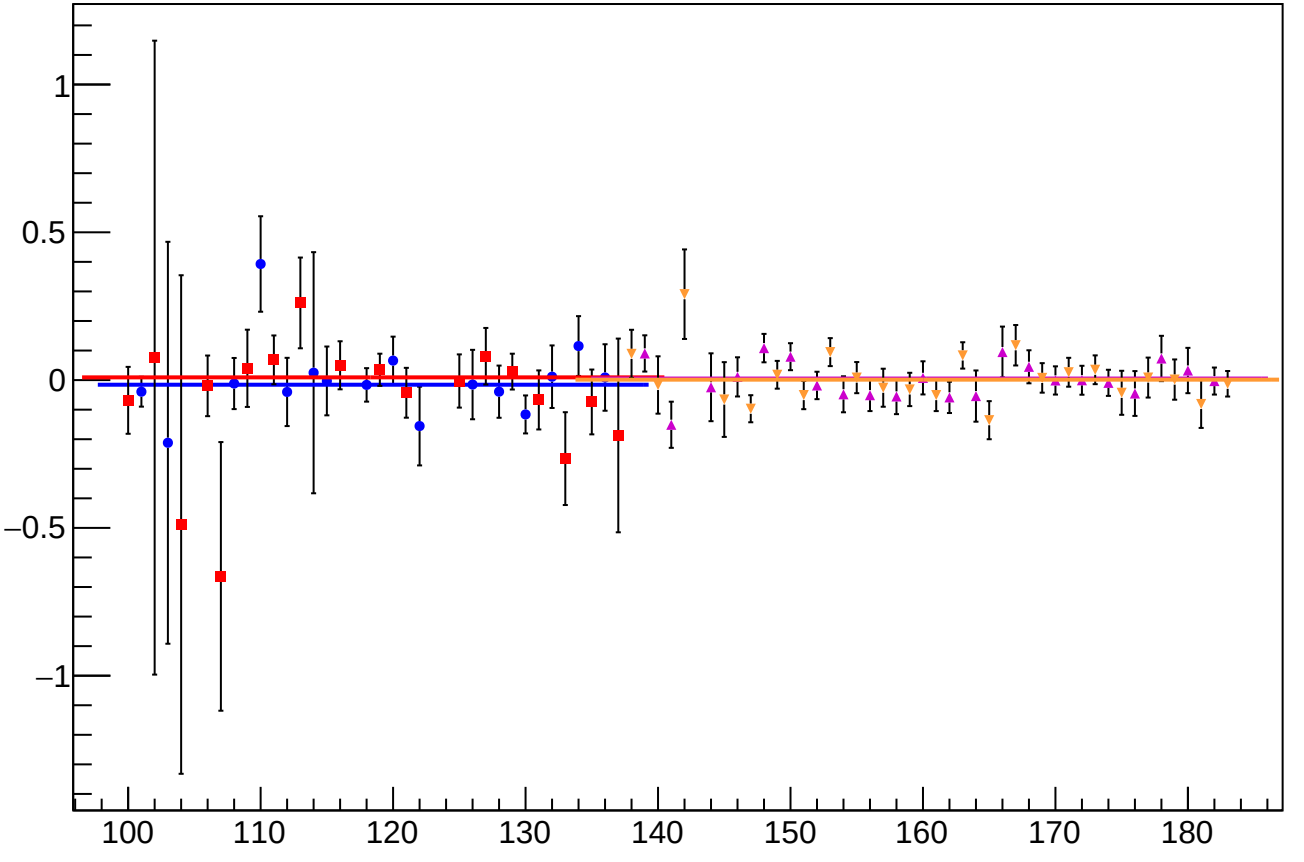
+ sign 0.000+/-0.000 χ^2/NDF: 39.5/38

All: 0.000+/-0.000 χ^2/NDF: 74.9/78

- sign 0.000+/-0.000 χ^2/NDF: 34.7/39


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1887907.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:3983607.7/21
+ sign 0.000+/-0.000 χ²/NDF: 3979053.4/38
All: 0.000+/-0.000 χ²/NDF: 11007607.2/78
- sign 0.000+/-0.000 χ²/NDF: 6904773.9/39

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

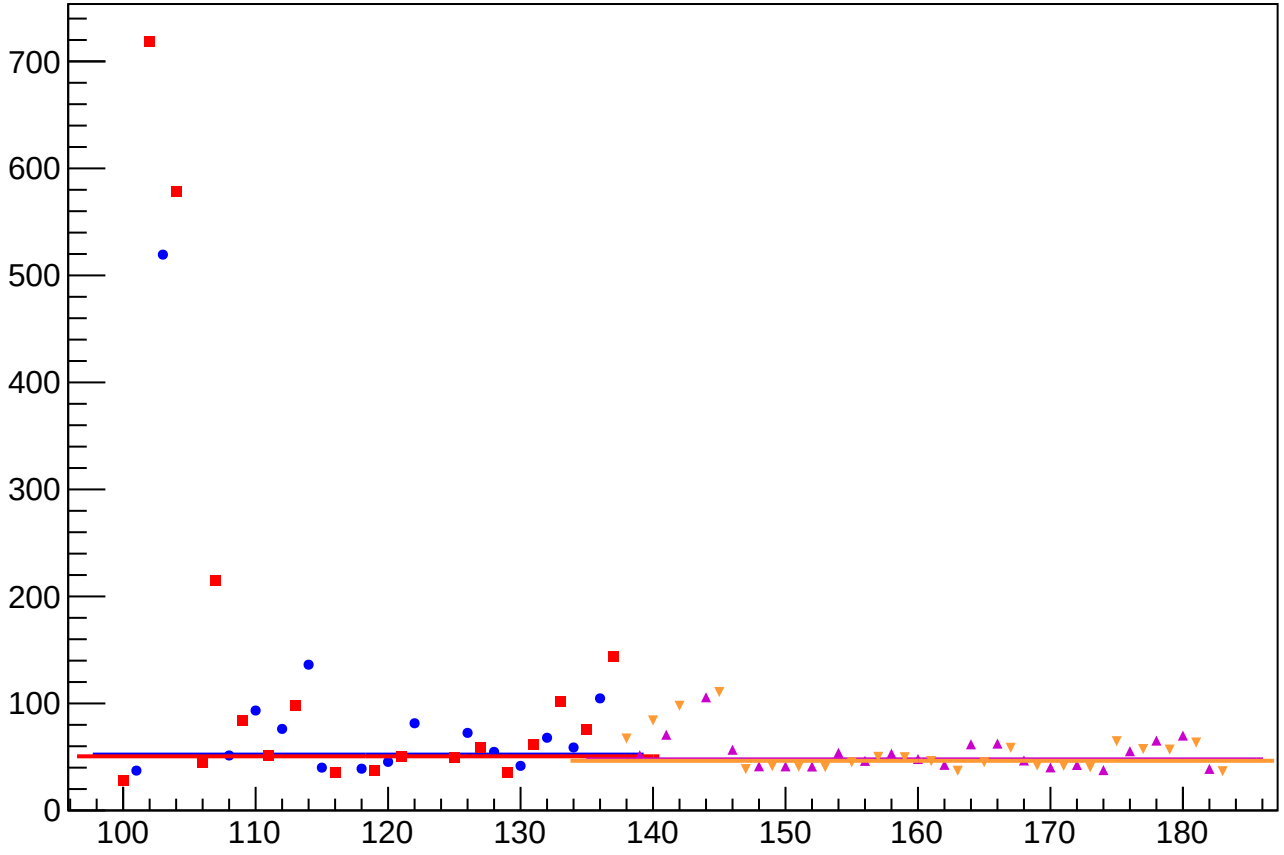
Left In: 0.005+/-0.012 χ^2/NDF:21.4/21

+ sign -0.002+/-0.011 χ^2/NDF: 43.1/38

All: 0.002+/-0.008 χ^2/NDF: 77.3/78

- sign 0.006+/-0.011 χ^2/NDF: 33.9/39

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.417+/-0.008 χ^2/NDF:1964662.8/22

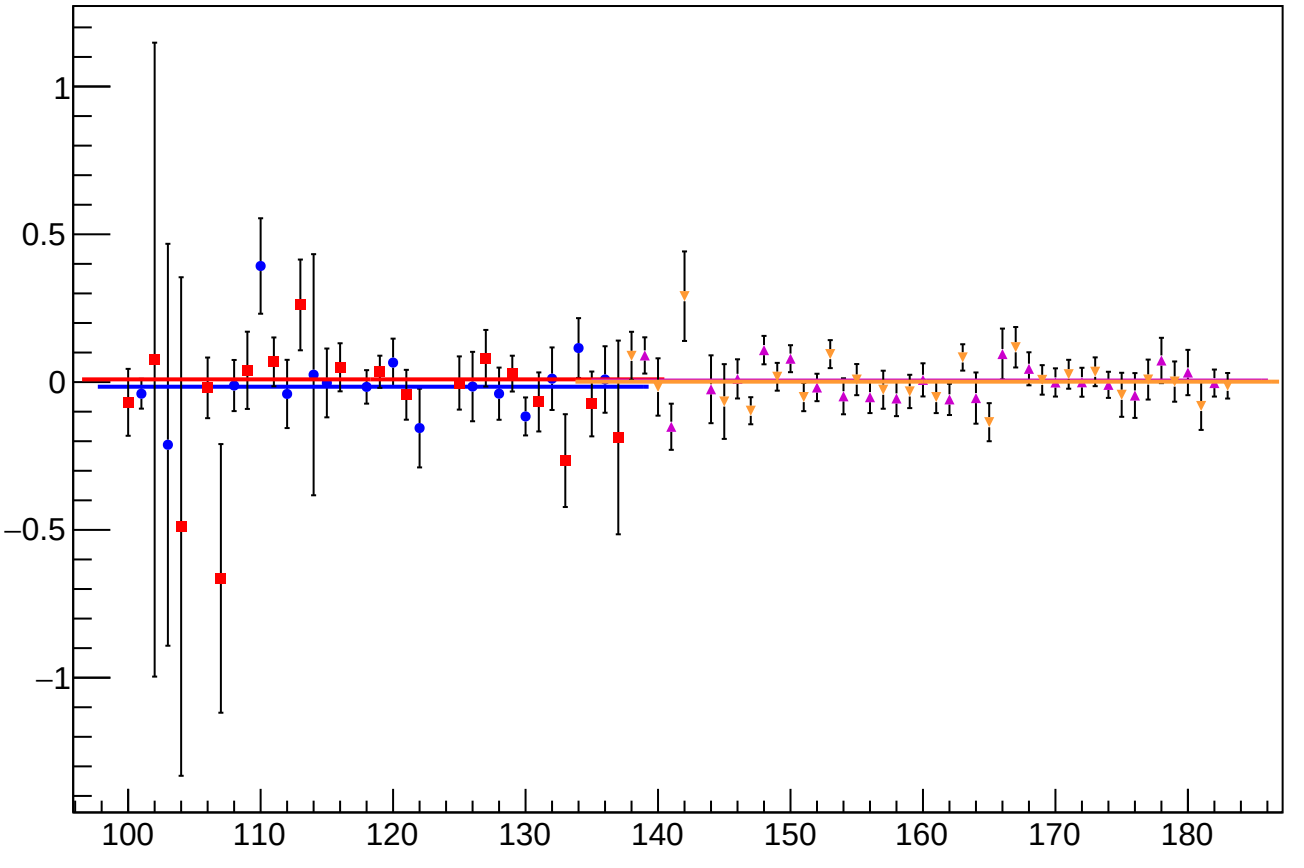
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.750+/-0.009 χ^2/NDF:1559442.5/21

+ sign 47.684+/-0.008 χ^2/NDF: 4333071.4/38

All: 48.010+/-0.005 χ^2/NDF: 8970431.8/78

- sign 48.354+/-0.008 χ^2/NDF: 4633480.5/39



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

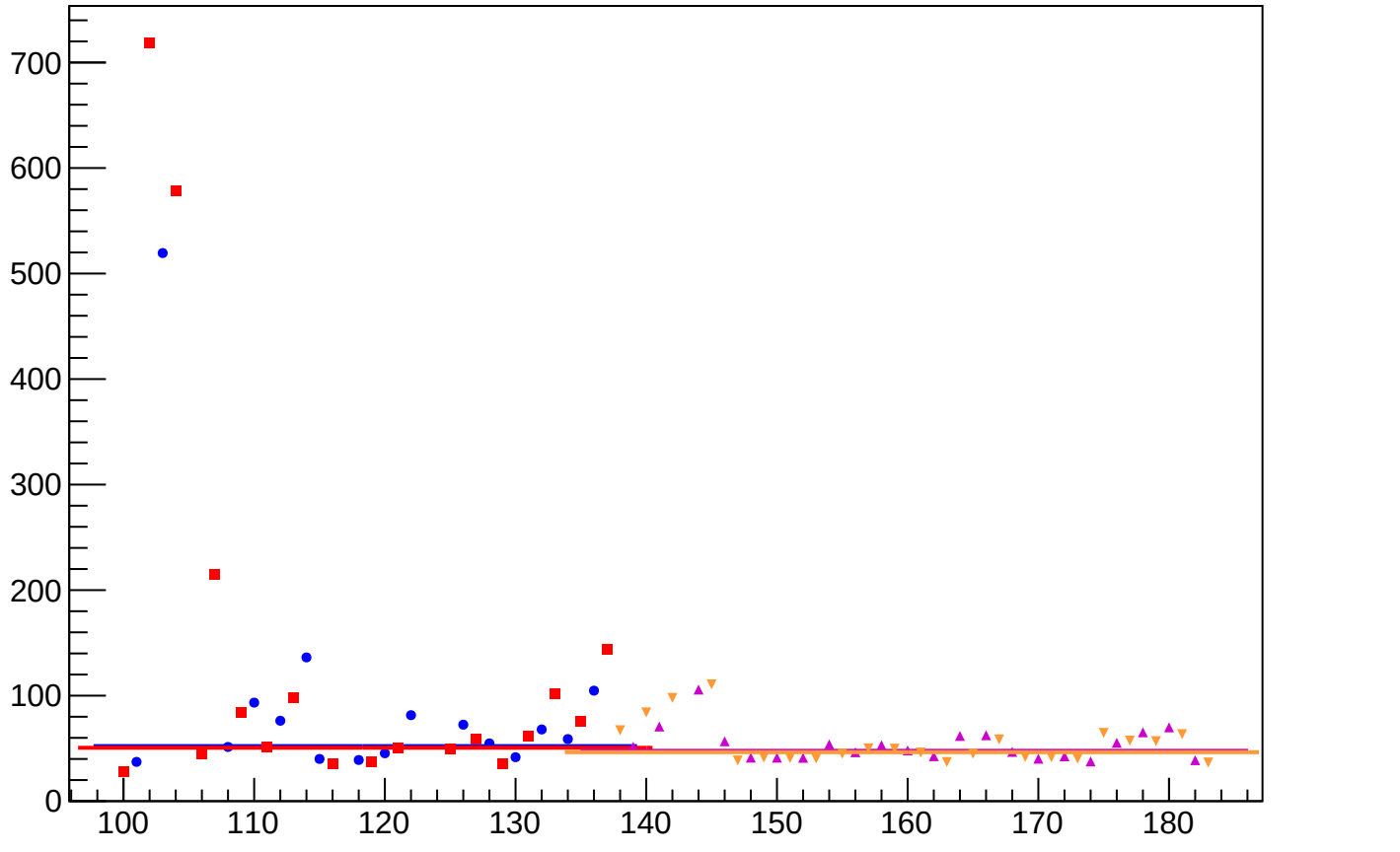
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.012 χ^2/NDF:21.4/21

+ sign -0.002+/-0.011 χ^2/NDF: 43.1/38

All: 0.002+/-0.008 χ^2/NDF: 77.3/78

- sign 0.006+/-0.011 χ^2/NDF: 33.9/39



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.417+/-0.008 χ^2/NDF:1964662.8/22

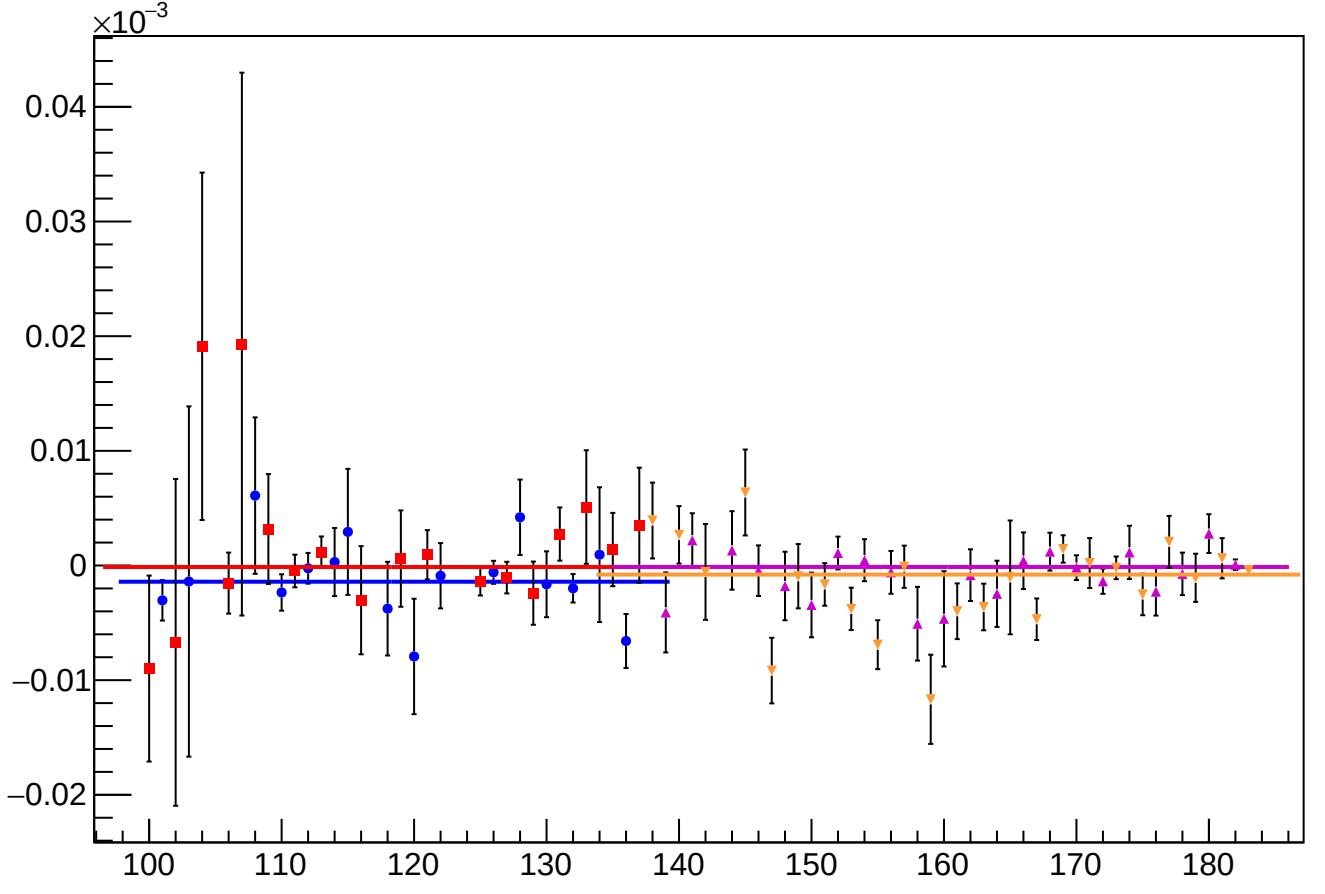
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.750+/-0.009 χ^2/NDF:1559442.5/21

+ sign 47.684+/-0.008 χ^2/NDF: 4333071.4/38

All: 48.010+/-0.005 χ^2/NDF: 8970431.8/78

- sign 48.354+/-0.008 χ^2/NDF: 4633480.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:51.6/22

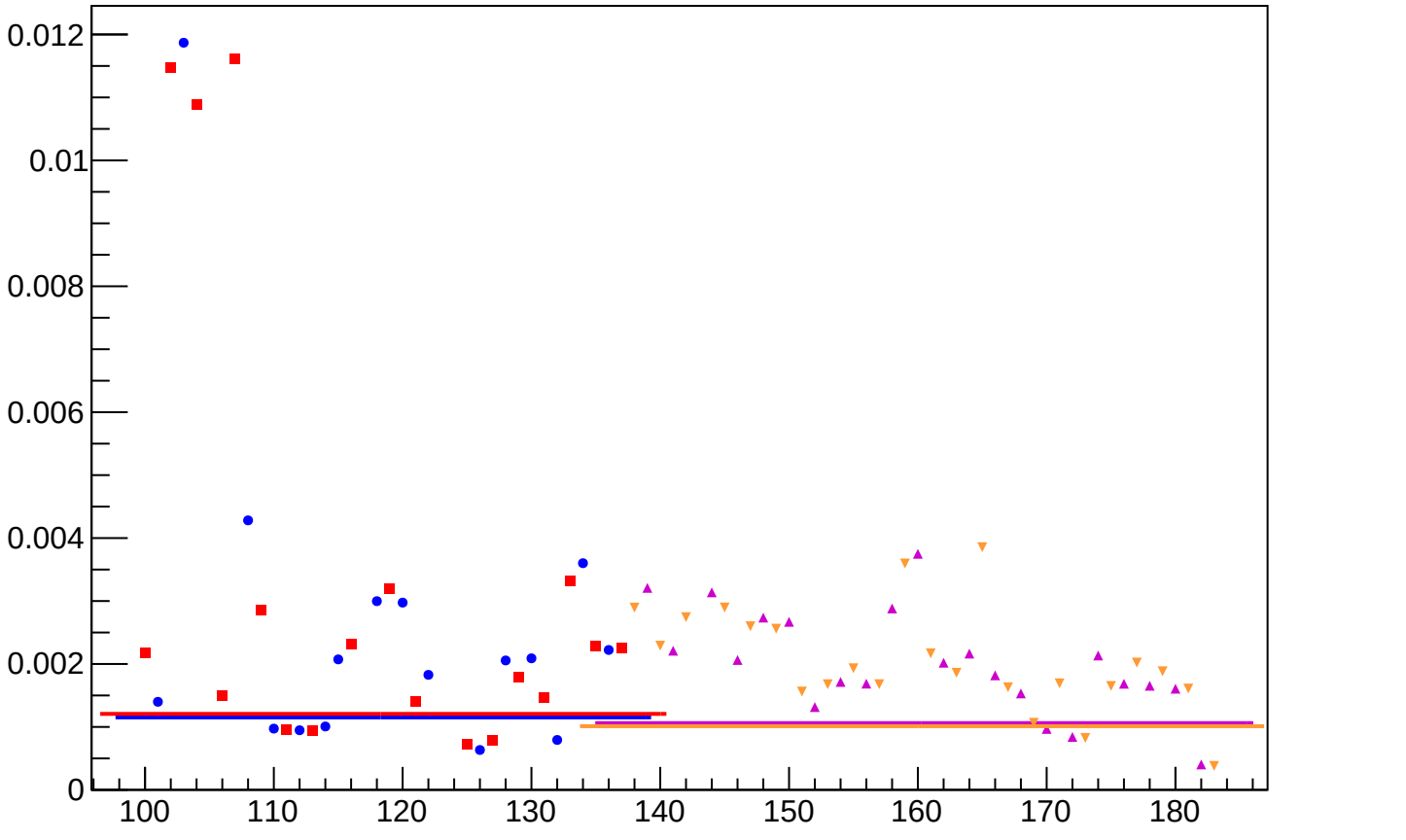
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:16.0/21

+ sign -0.000+/-0.000 χ^2/NDF: 67.6/38

All: -0.000+/-0.000 χ^2/NDF: 99.9/78

- sign -0.000+/-0.000 χ^2/NDF: 27.5/39



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:12685321.7/22

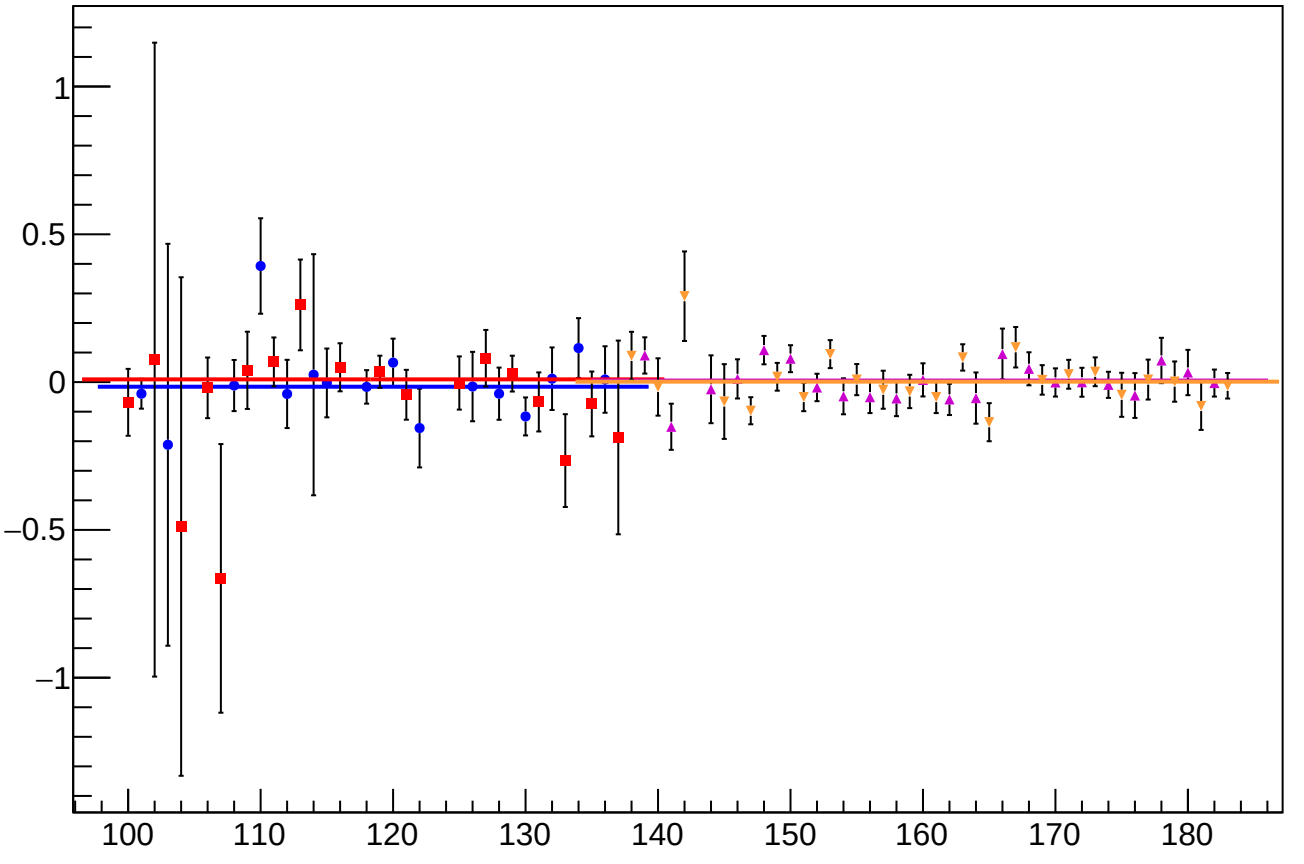
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.001+/-0.000 χ^2/NDF:11810958.6/21

+ sign 0.001+/-0.000 χ^2/NDF: 16982090.0/38

All: 0.001+/-0.000 χ^2/NDF: 33453220.1/78

- sign 0.001+/-0.000 χ^2/NDF: 16438056.5/39



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

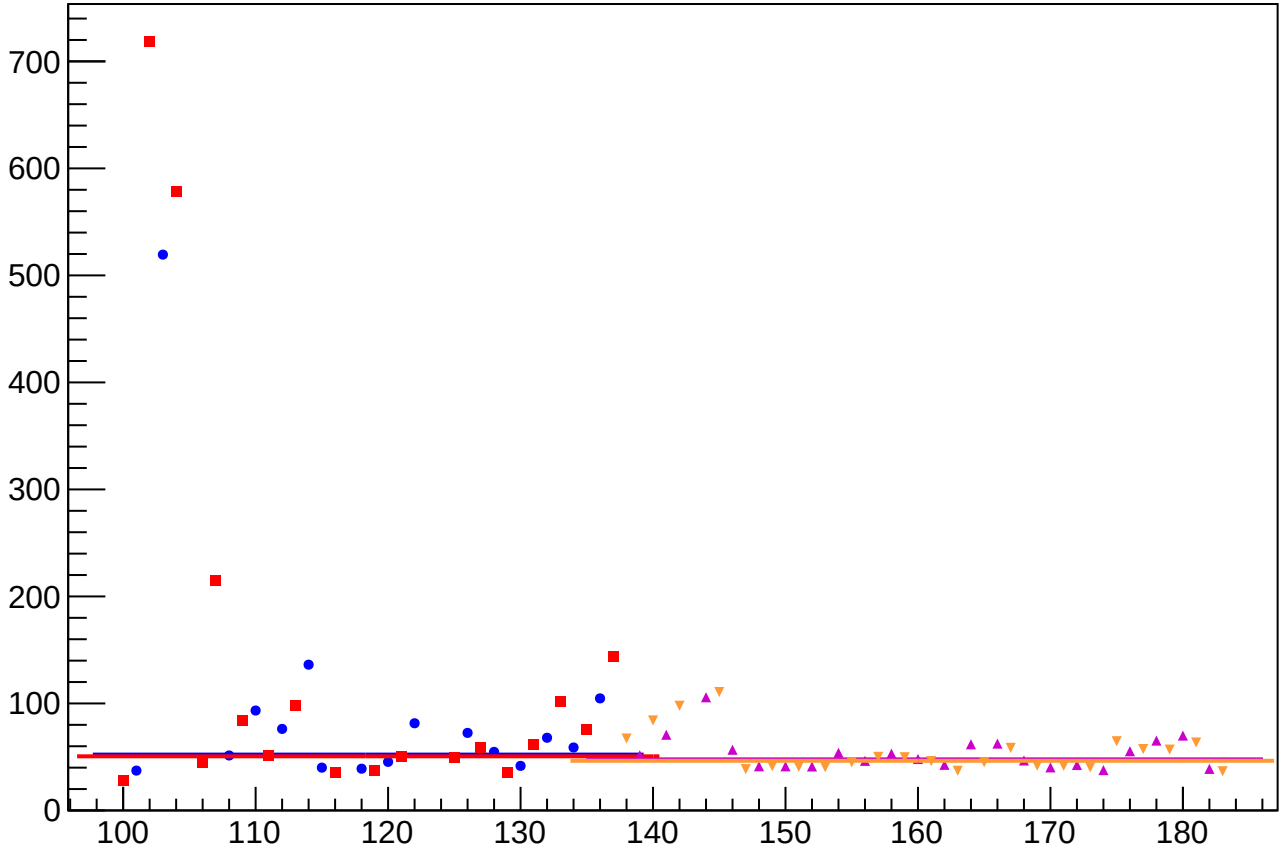
Left In: 0.005+/-0.012 χ^2/NDF:21.4/21

+ sign -0.002+/-0.011 χ^2/NDF: 43.1/38

All: 0.002+/-0.008 χ^2/NDF: 77.3/78

- sign 0.006+/-0.011 χ^2/NDF: 33.9/39

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.418+/-0.008 χ^2/NDF:1964650.5/22

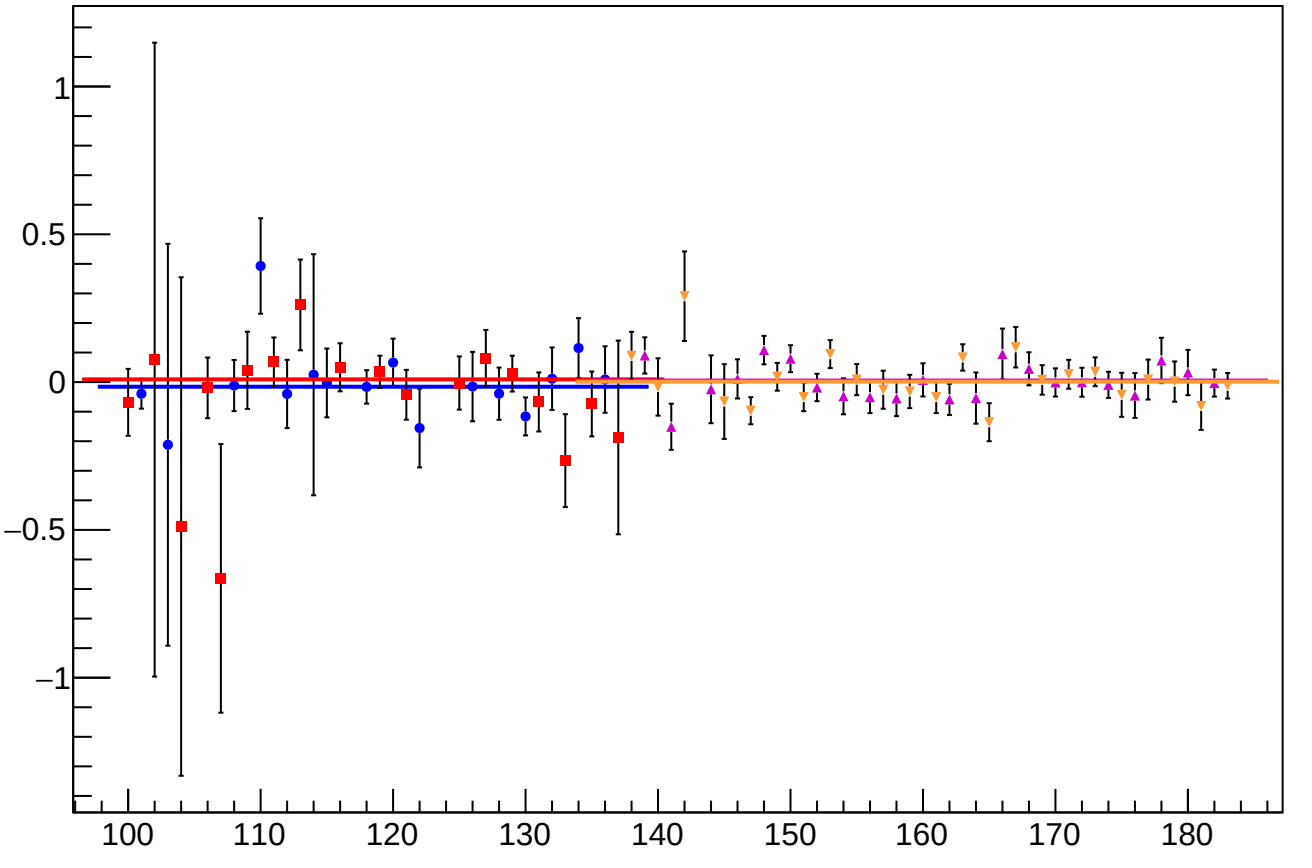
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.751+/-0.009 χ^2/NDF:1559450.7/21

+ sign 47.685+/-0.008 χ^2/NDF: 4333042.3/38

All: 48.010+/-0.005 χ^2/NDF: 8970389.1/78

- sign 48.354+/-0.008 χ^2/NDF: 4633468.1/39



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

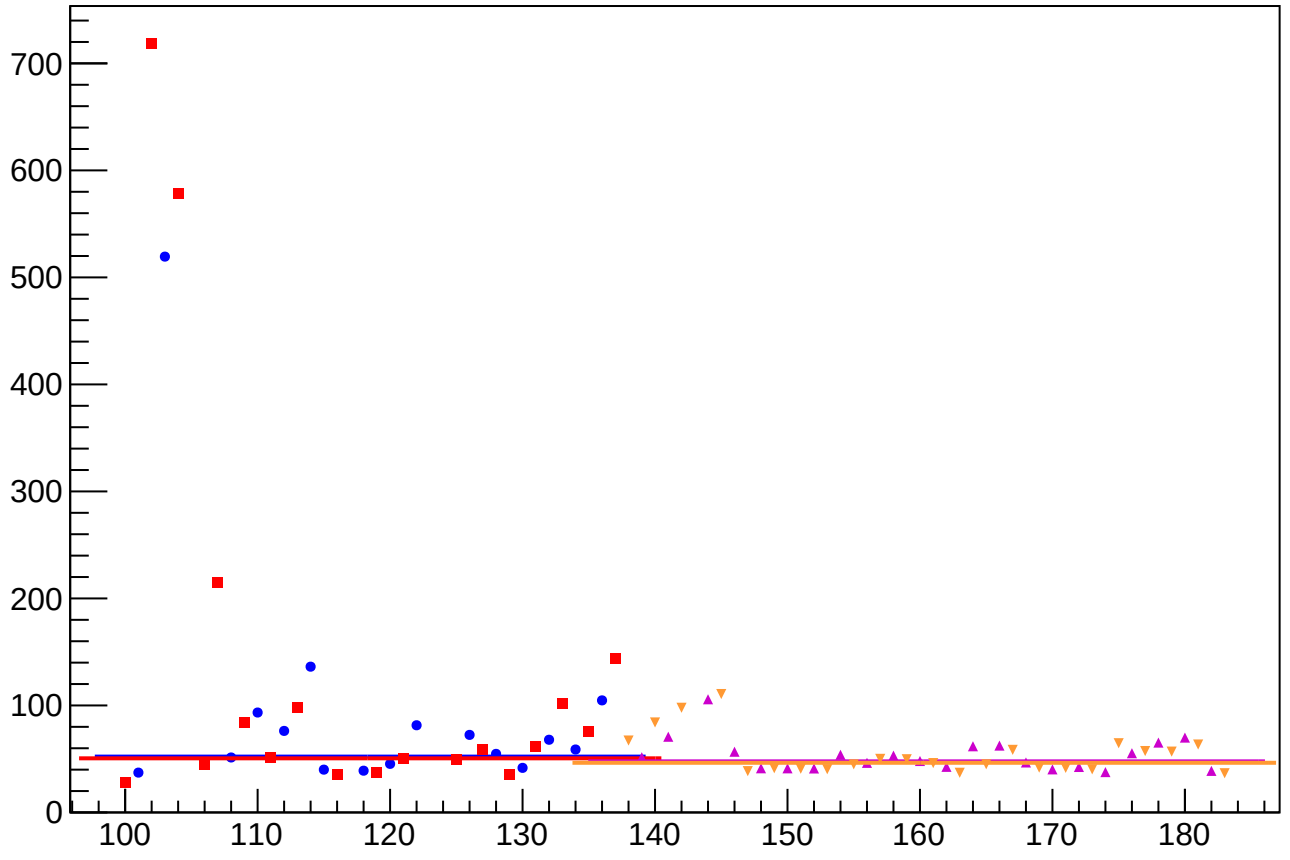
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.012 χ^2/NDF:21.4/21

+ sign -0.002+/-0.011 χ^2/NDF: 43.1/38

All: 0.002+/-0.008 χ^2/NDF: 77.3/78

- sign 0.006+/-0.011 χ^2/NDF: 33.9/39



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.418+/-0.008 χ^2/NDF:1964650.5/22

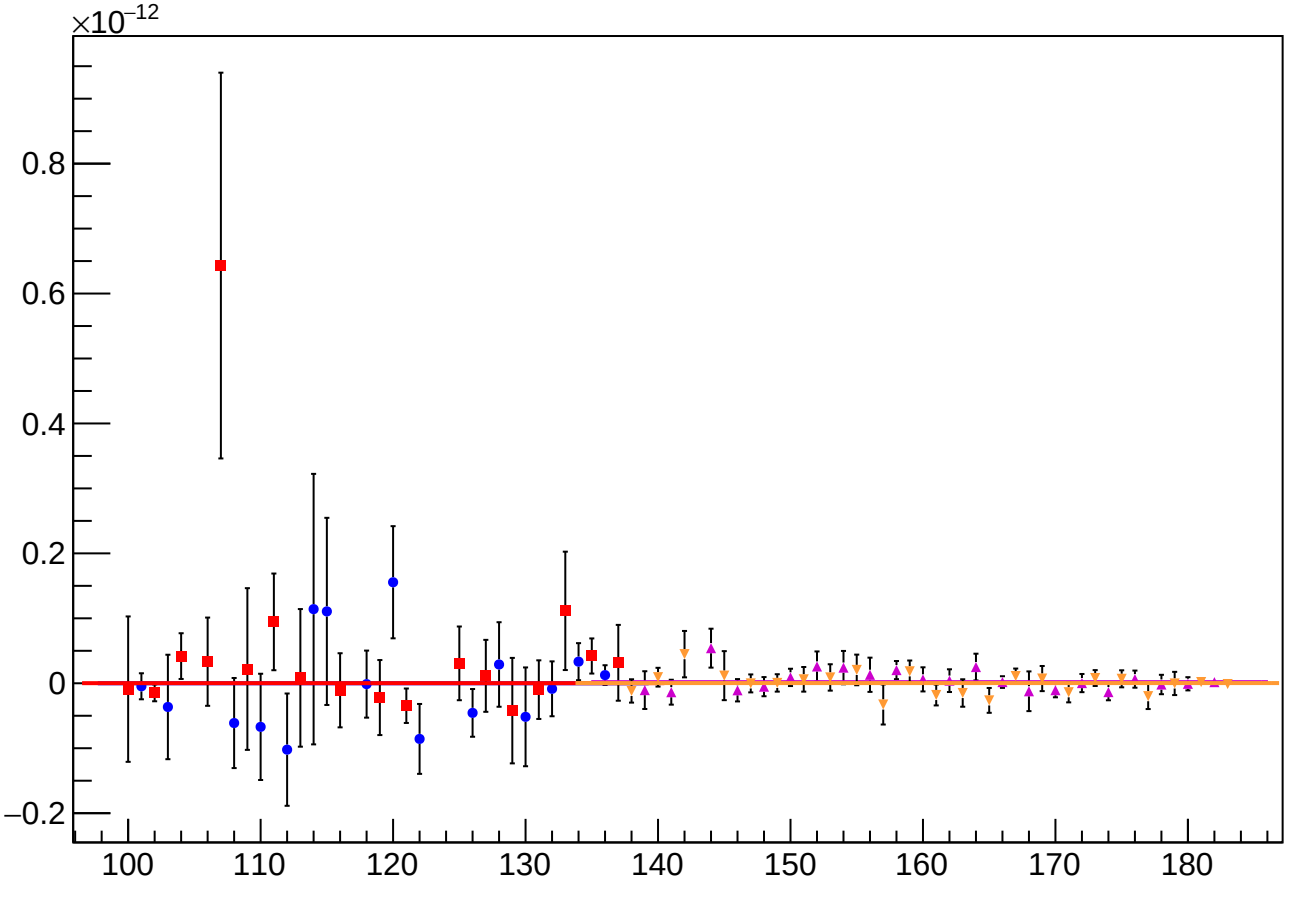
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.751+/-0.009 χ^2/NDF:1559450.7/21

+ sign 47.685+/-0.008 χ^2/NDF: 4333042.3/38

All: 48.010+/-0.005 χ^2/NDF: 8970389.1/78

- sign 48.354+/-0.008 χ^2/NDF: 4633468.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/22

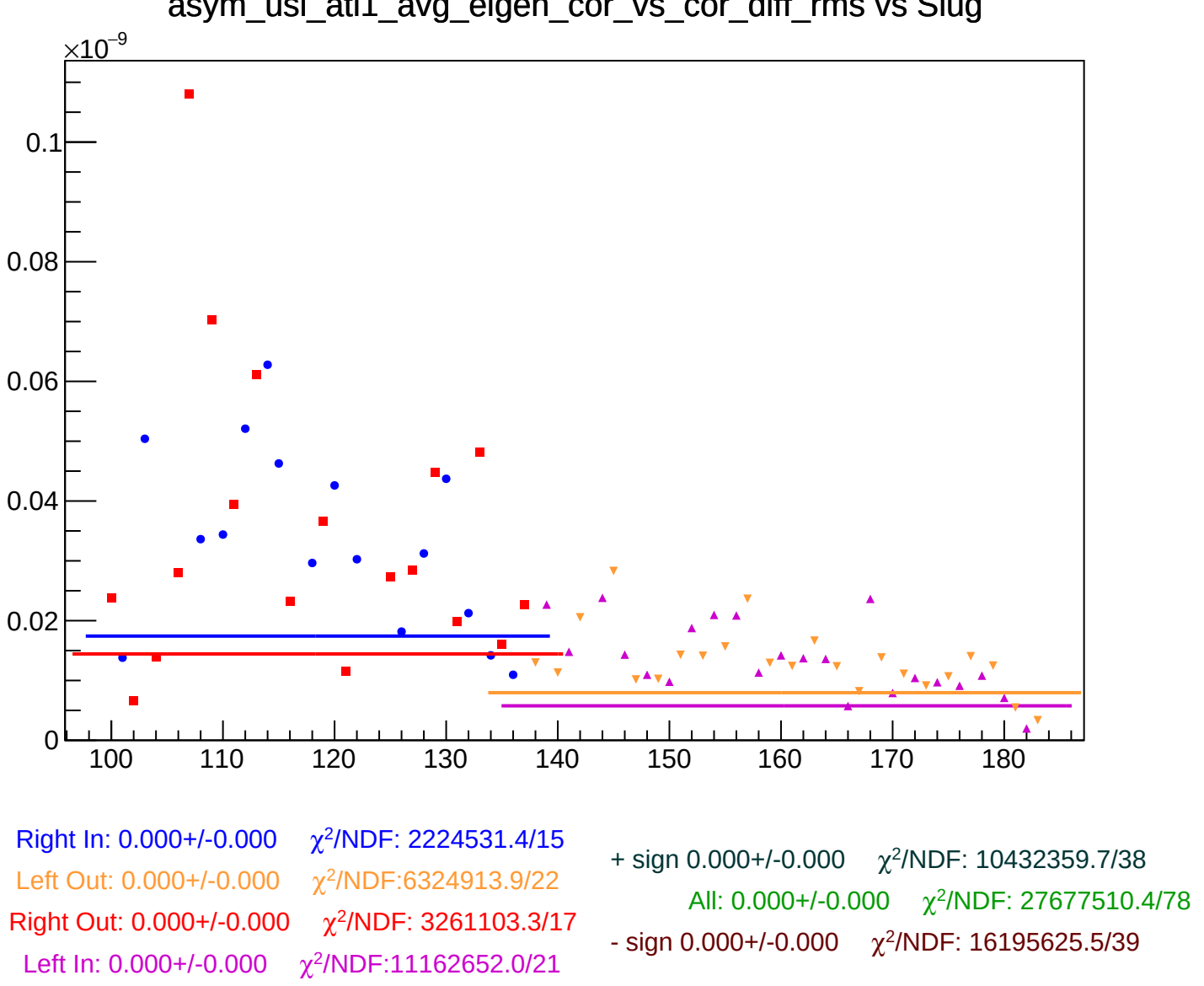
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/21

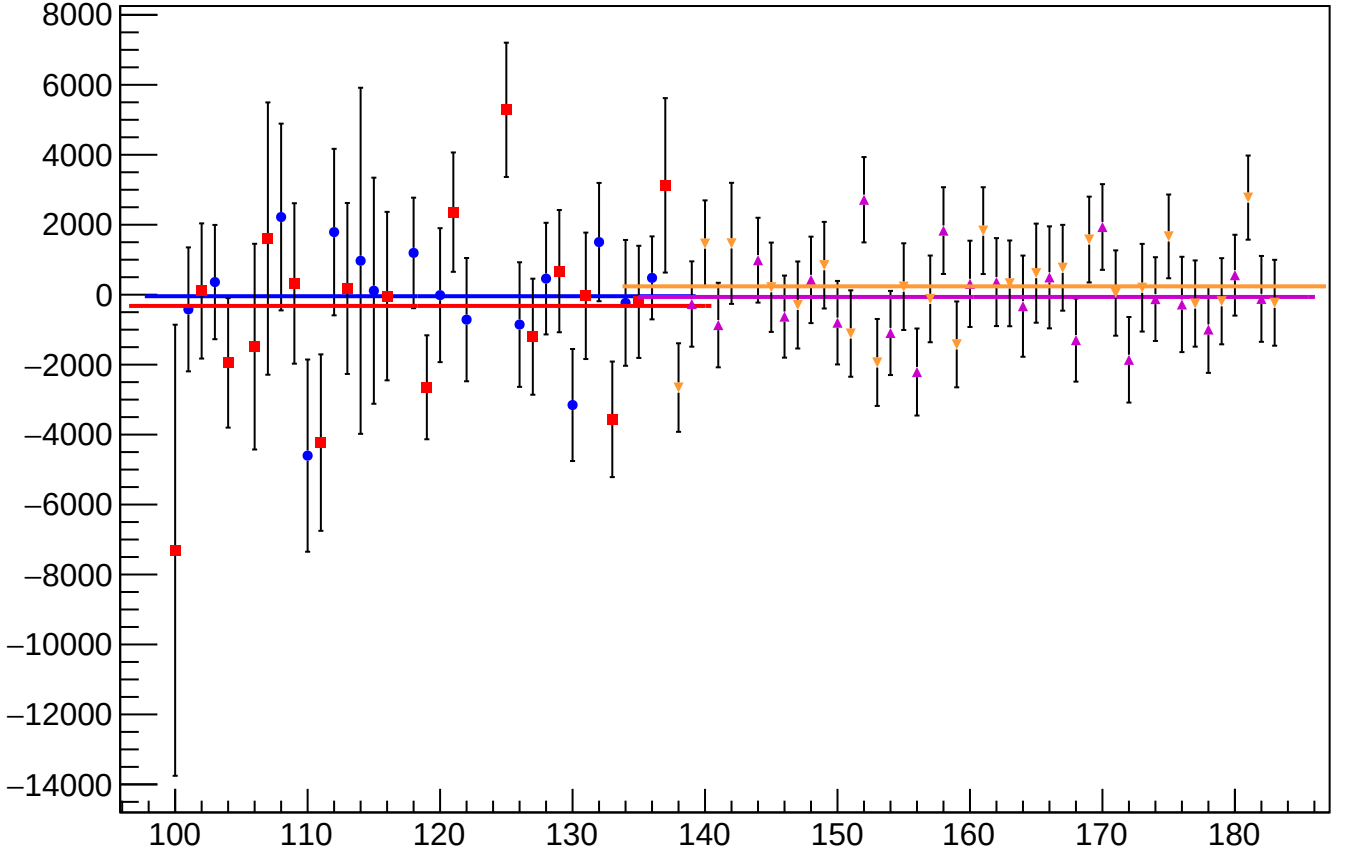
+ sign 0.000+/-0.000 χ^2/NDF: 27.4/38

All: 0.000+/-0.000 χ^2/NDF: 56.9/78

- sign 0.000+/-0.000 χ^2/NDF: 29.3/39


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6324913.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:11162652.0/21
+ sign 0.000+/-0.000 χ²/NDF: 10432359.7/38
All: 0.000+/-0.000 χ²/NDF: 27677510.4/78
- sign 0.000+/-0.000 χ²/NDF: 16195625.5/39

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 239.002+/-261.584 χ^2/NDF:22.7/22

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

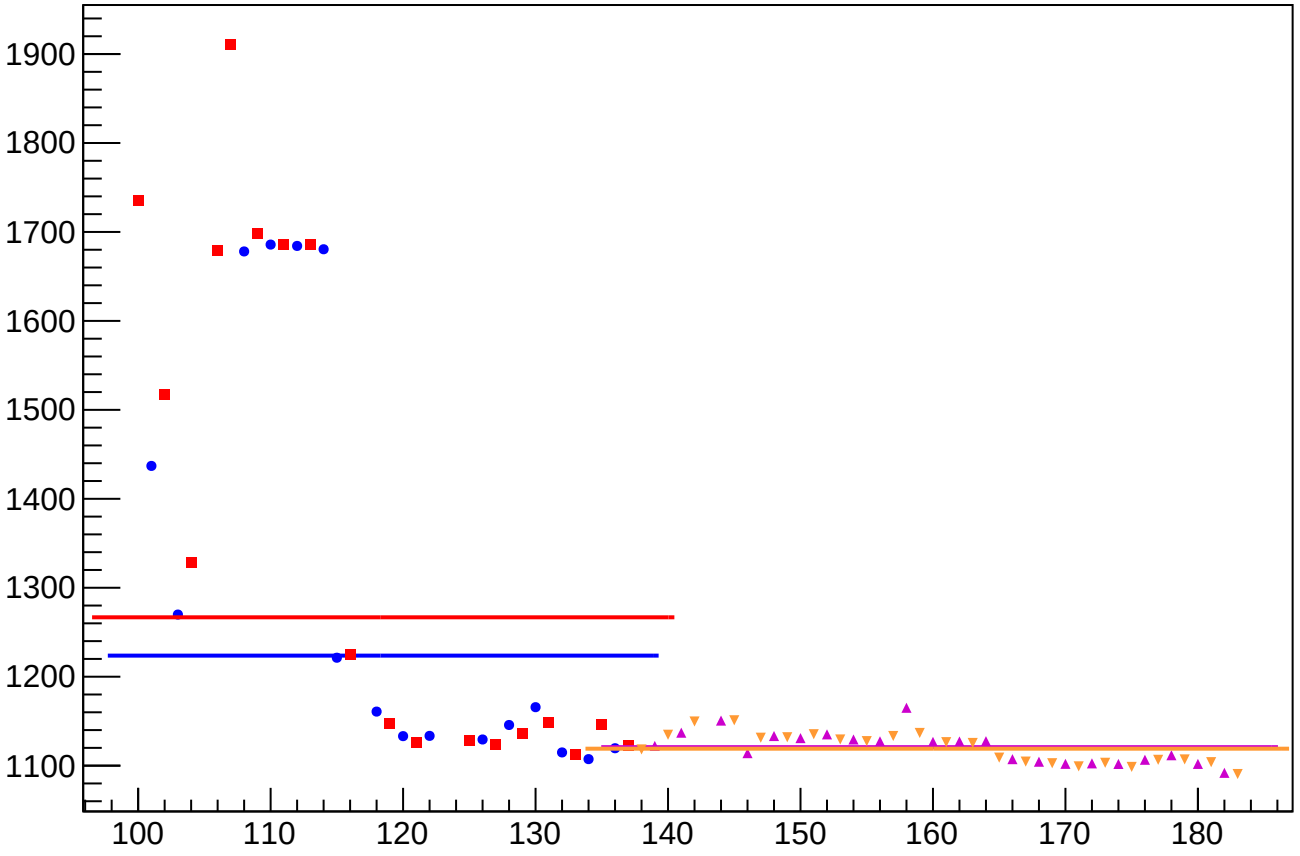
Left In: -64.537+/-263.871 χ^2/NDF:20.4/21

+ sign 169.750+/-227.295 χ^2/NDF: 33.1/38

All: 24.497+/-161.899 χ^2/NDF: 79.3/78

- sign -125.092+/-230.661 χ^2/NDF: 45.4/39

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1119.083+/-0.185 χ^2/NDF:7959.8/22

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

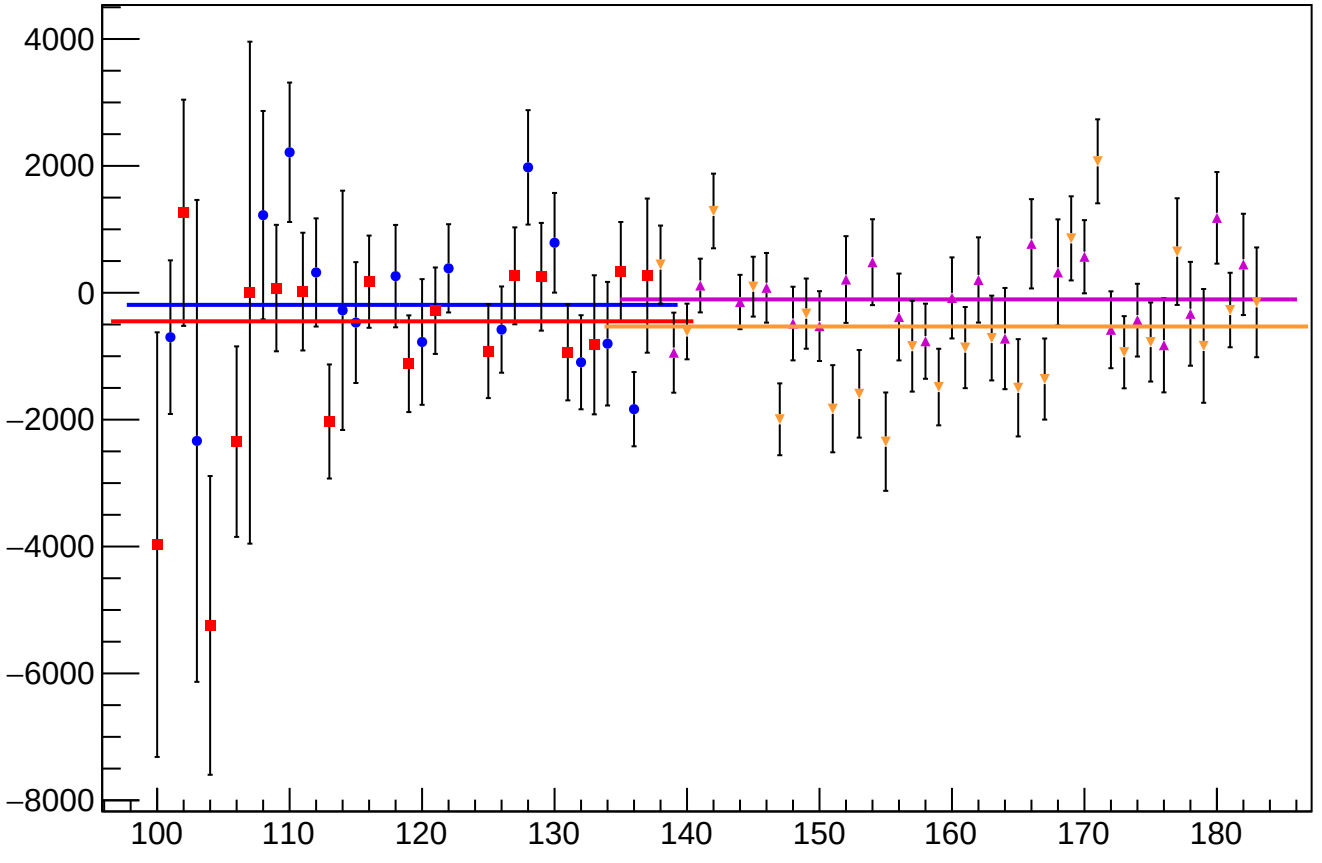
Left In: 1120.821+/-0.187 χ^2/NDF:9039.6/21

+ sign 1144.714+/-0.161 χ^2/NDF: 381303.0/38

All: 1149.903+/-0.114 χ^2/NDF: 969643.4/78

- sign 1155.248+/-0.163 χ^2/NDF: 586224.0/39

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -531.313+/-131.159 χ^2/NDF:61.4/22

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

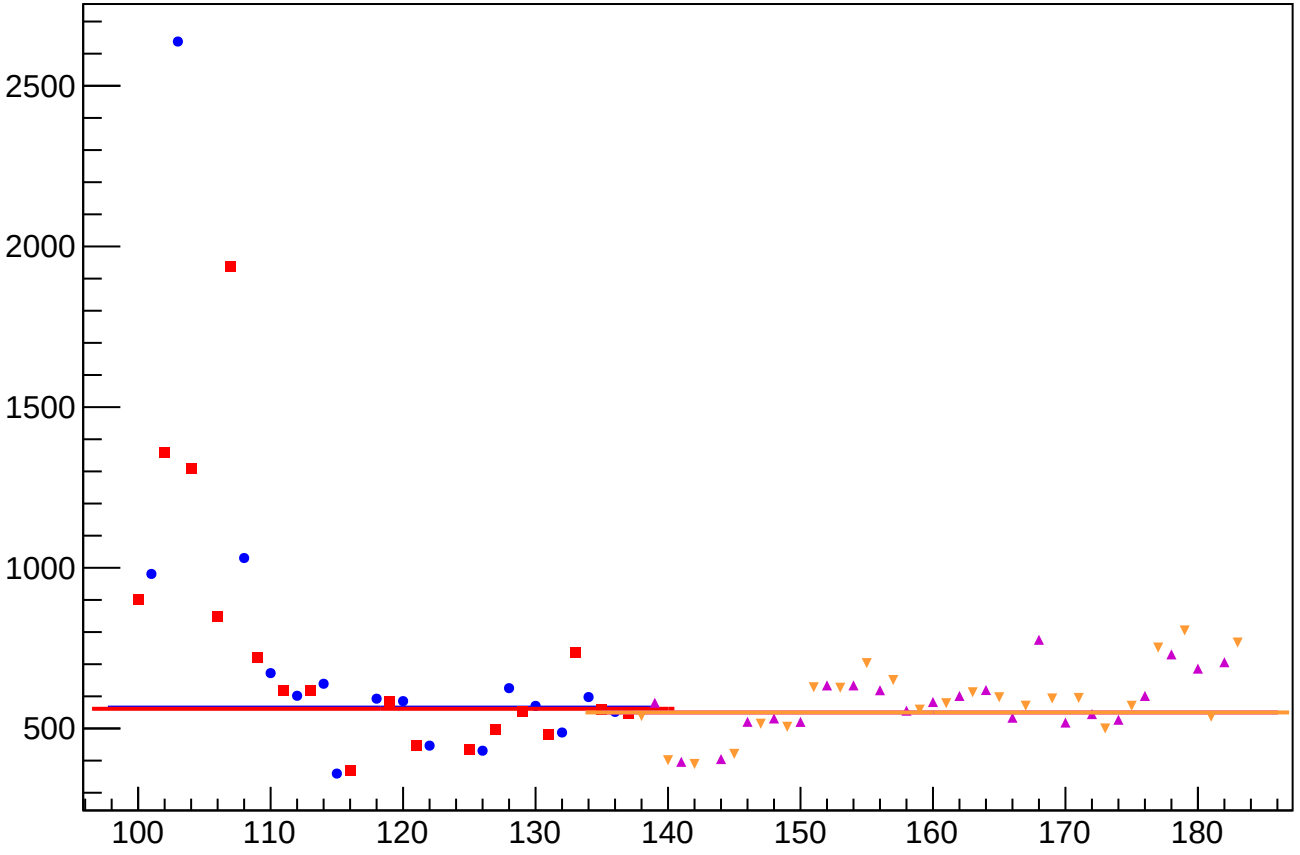
Left In: -104.422+/-131.663 χ^2/NDF:15.1/21

\+ sign -443.676+/-113.037 χ^2/NDF: 88.4/38

All: -319.037+/-80.058 χ^2/NDF: 124.5/78

\- sign -193.589+/-113.403 χ^2/NDF: 33.7/39

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 549.862+/-0.093 χ^2/NDF:1189542.8/22

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

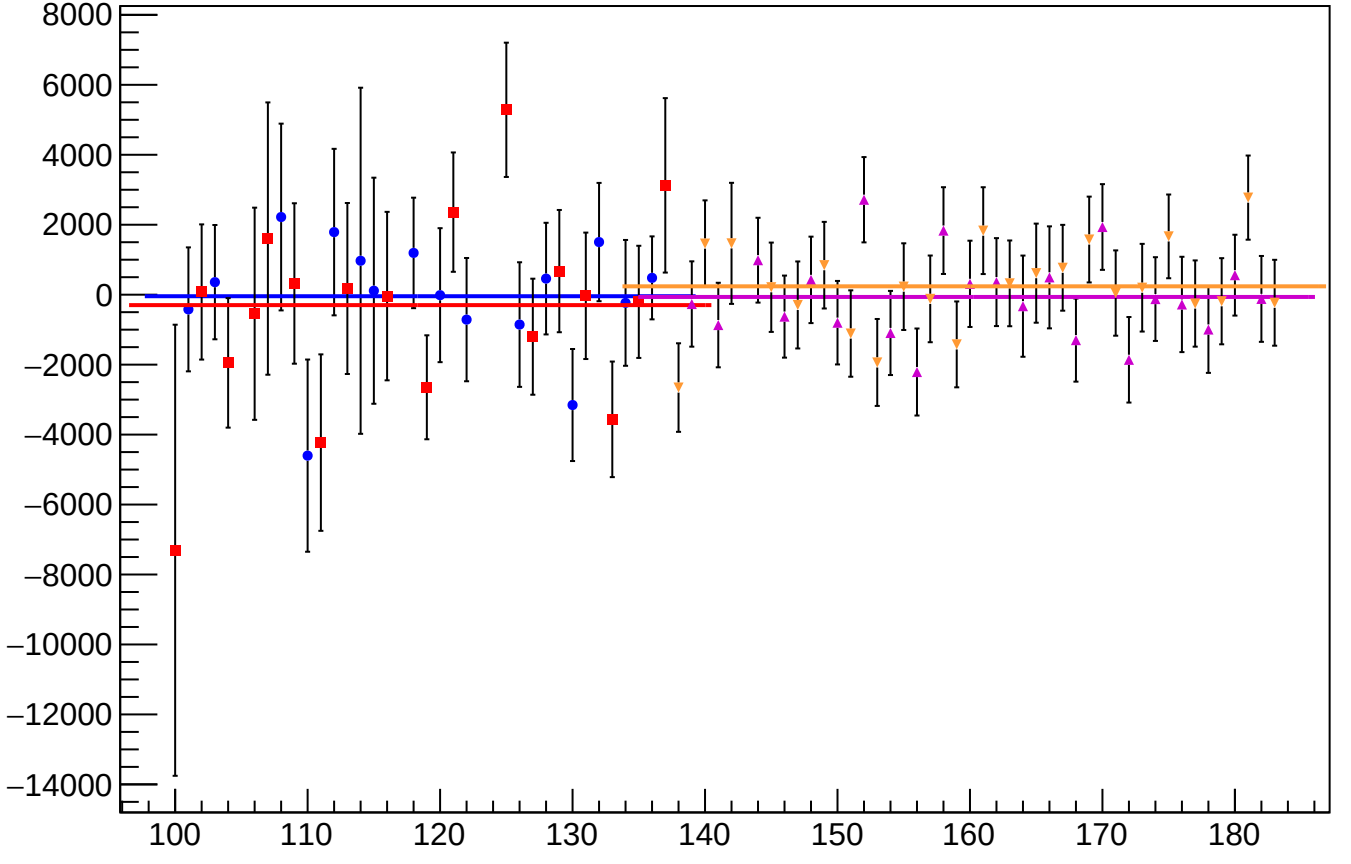
Left In: 549.810+/-0.093 χ^2/NDF:1036311.9/21

\+ sign 553.746+/-0.080 χ^2/NDF: 2480837.4/38

All: 553.255+/-0.057 χ^2/NDF: 4873357.8/78

\- sign 552.761+/-0.080 χ^2/NDF: 2392444.7/39

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 239.052+/-261.584 χ^2/NDF:22.7/22

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

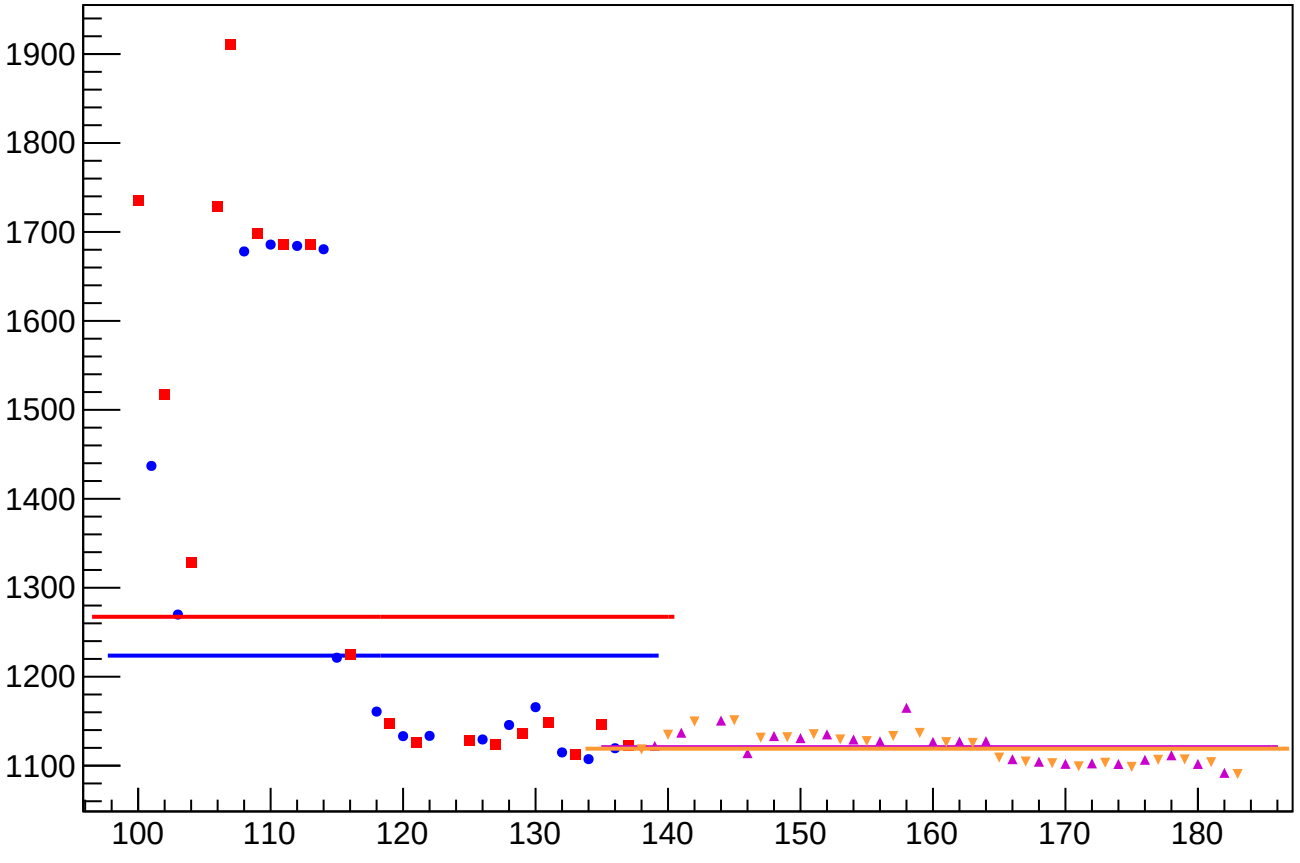
Left In: -64.525+/-263.871 χ^2/NDF:20.4/21

+ sign 169.729+/-227.295 χ^2/NDF: 33.1/38

All: 27.229+/-161.914 χ^2/NDF: 79.1/78

- sign -119.577+/-230.704 χ^2/NDF: 45.2/39

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1119.083+/-0.185 χ^2/NDF:7959.8/22

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

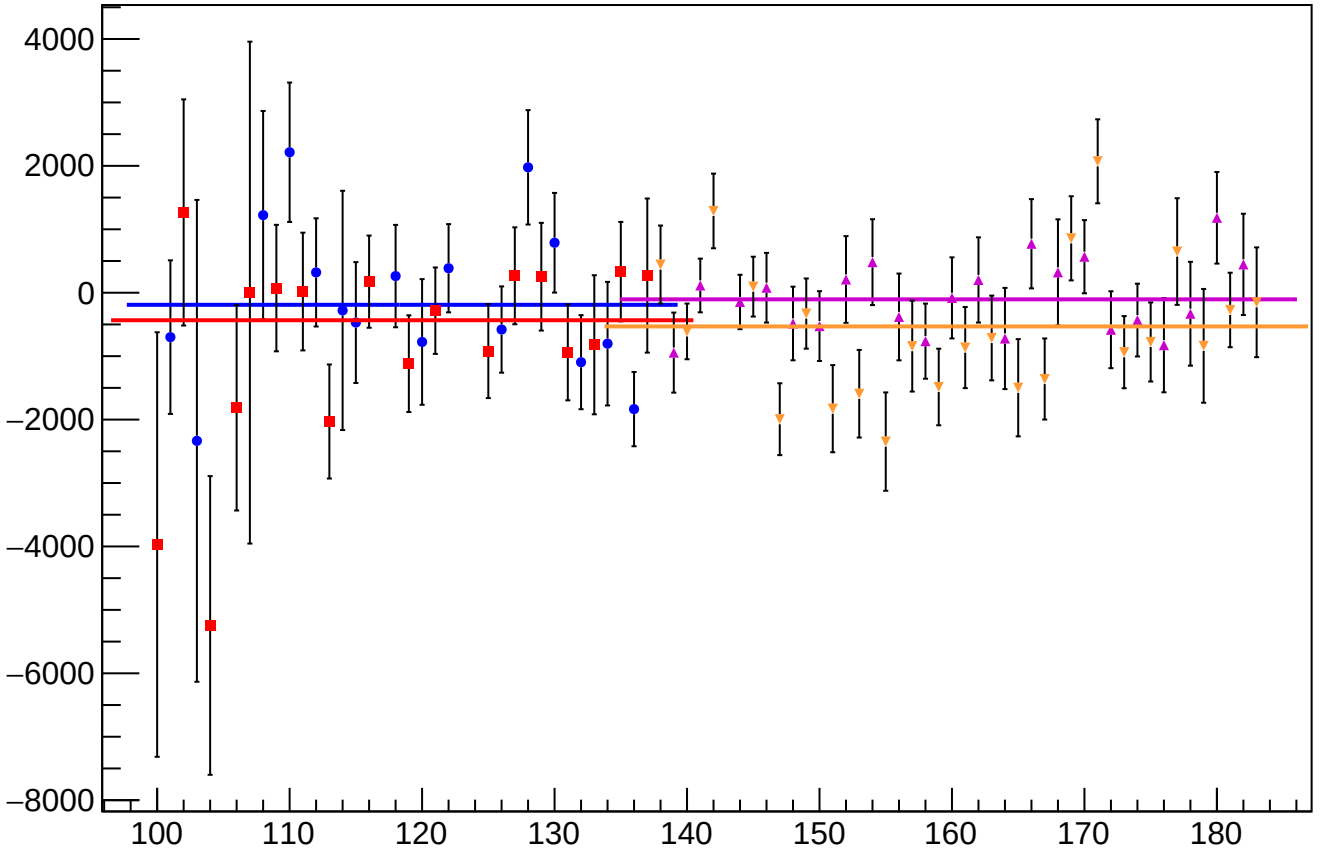
Left In: 1120.821+/-0.187 χ^2/NDF:9039.6/21

+ sign 1144.714+/-0.161 χ^2/NDF: 381303.1/38

All: 1149.950+/-0.114 χ^2/NDF: 977799.3/78

- sign 1155.344+/-0.163 χ^2/NDF: 594341.5/39

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -531.331+/-131.159 χ^2/NDF:61.4/22

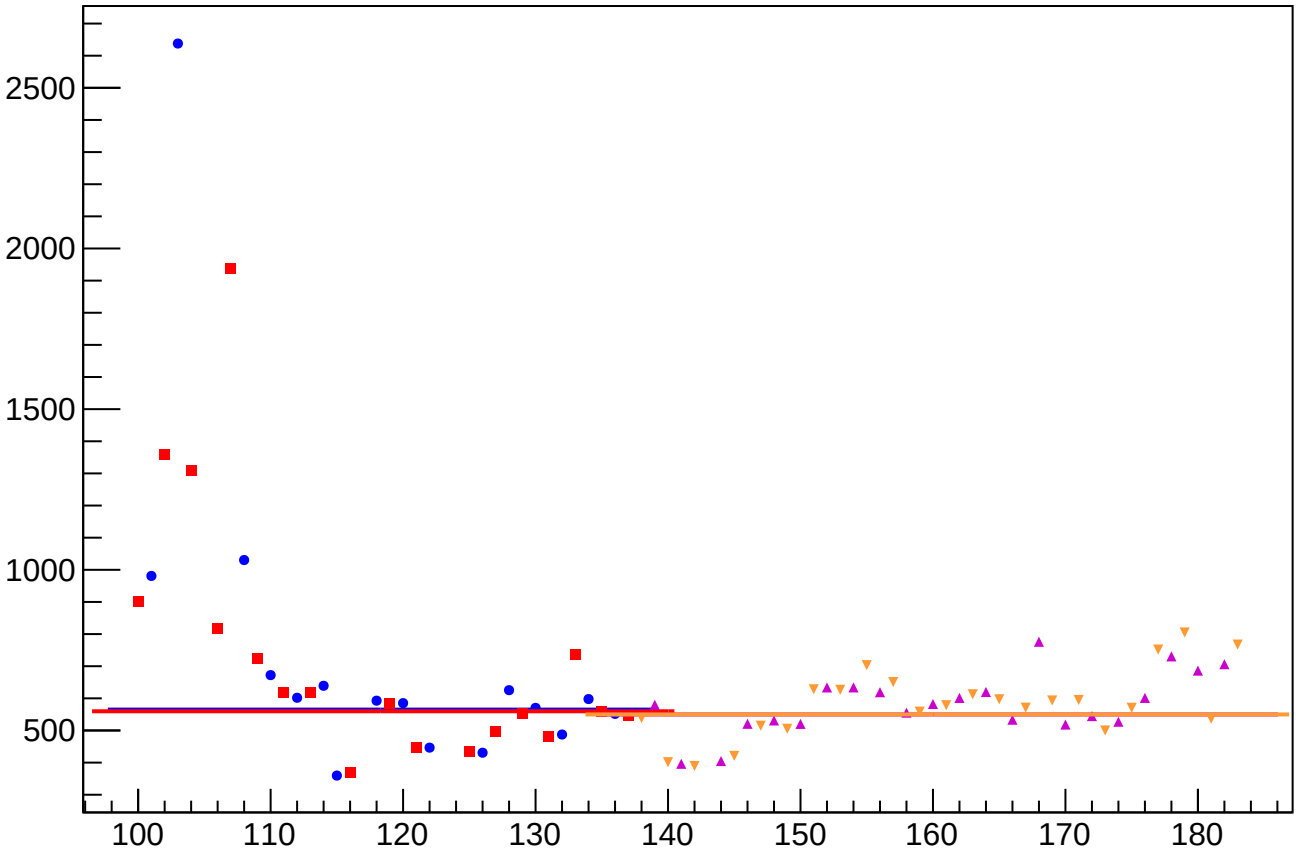
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -104.411+/-131.663 χ^2/NDF:15.1/21

\+ sign -443.692+/-113.037 χ^2/NDF: 88.4/38

All: -316.940+/-80.074 χ^2/NDF: 123.6/78

\- sign -189.264+/-113.448 χ^2/NDF: 32.7/39



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 549.862+/-0.093 χ^2/NDF:1189551.2/22

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

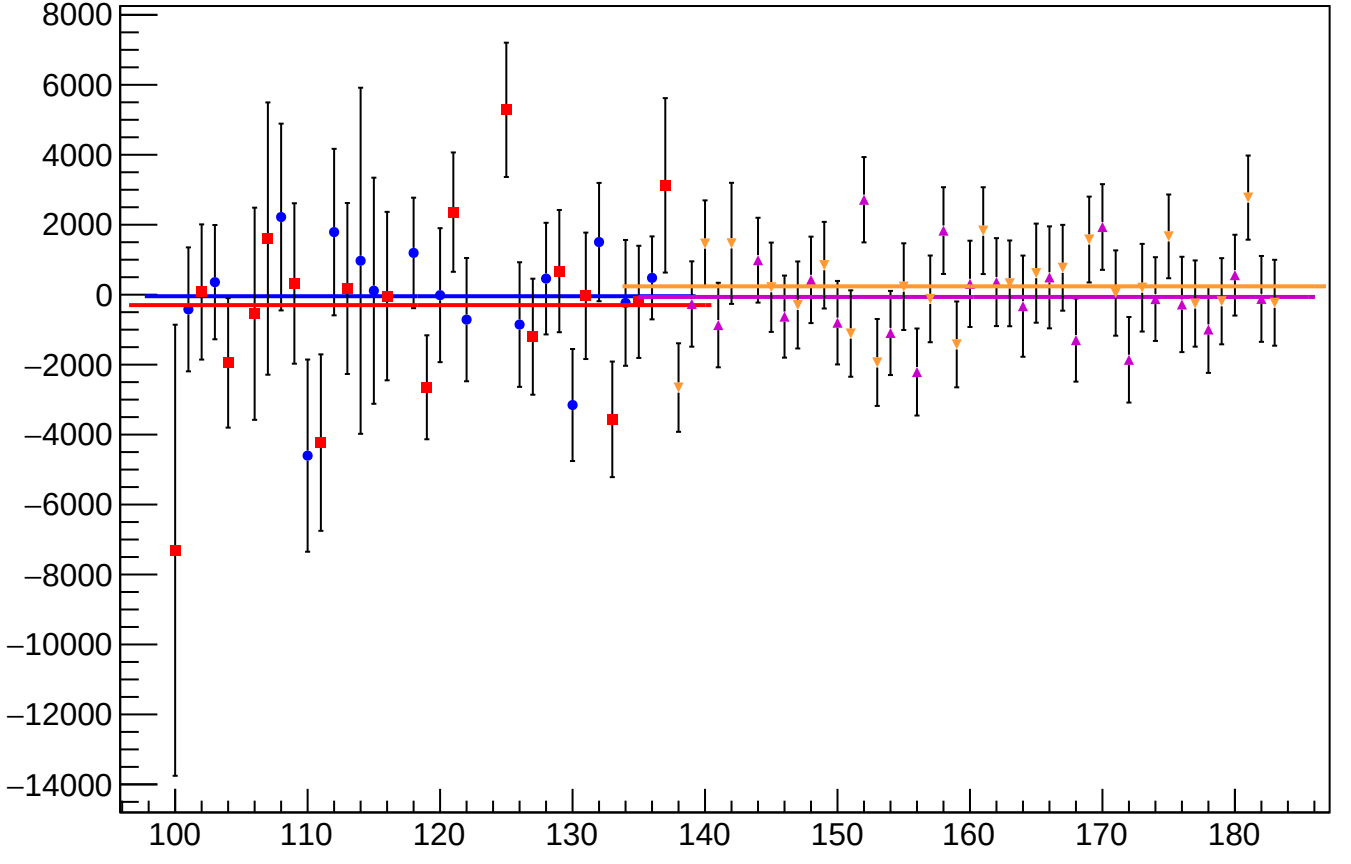
Left In: 549.809+/-0.093 χ^2/NDF:1036280.3/21

+ sign 553.744+/-0.080 χ^2/NDF: 2480819.3/38

All: 553.060+/-0.057 χ^2/NDF: 4849544.8/78

- sign 552.371+/-0.080 χ^2/NDF: 2368578.5/39

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 239.052+/-261.584 χ^2/NDF:22.7/22

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

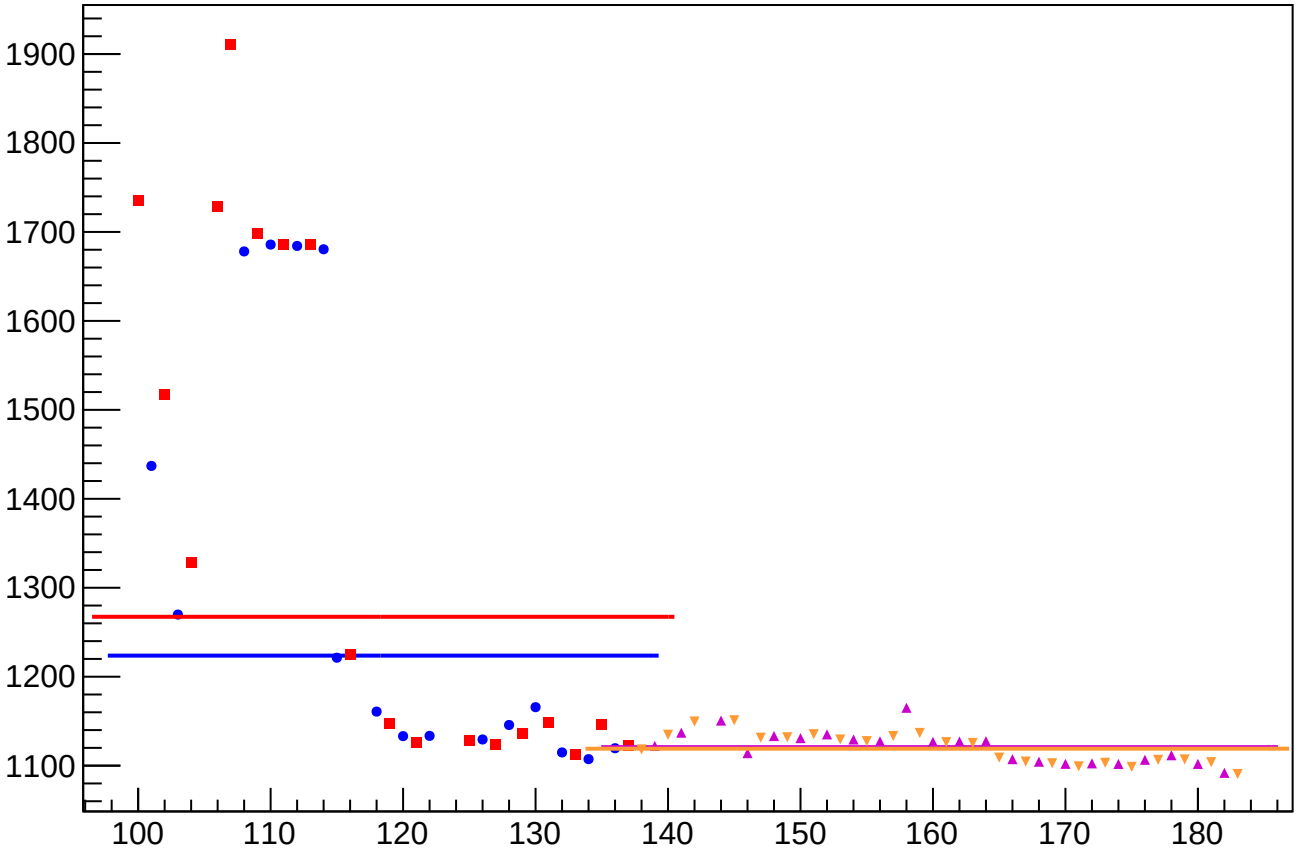
Left In: -64.525+/-263.871 χ^2/NDF:20.4/21

+ sign 169.729+/-227.295 χ^2/NDF: 33.1/38

All: 27.229+/-161.914 χ^2/NDF: 79.1/78

- sign -119.577+/-230.704 χ^2/NDF: 45.2/39

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1119.083+/-0.185 χ^2/NDF:7959.8/22

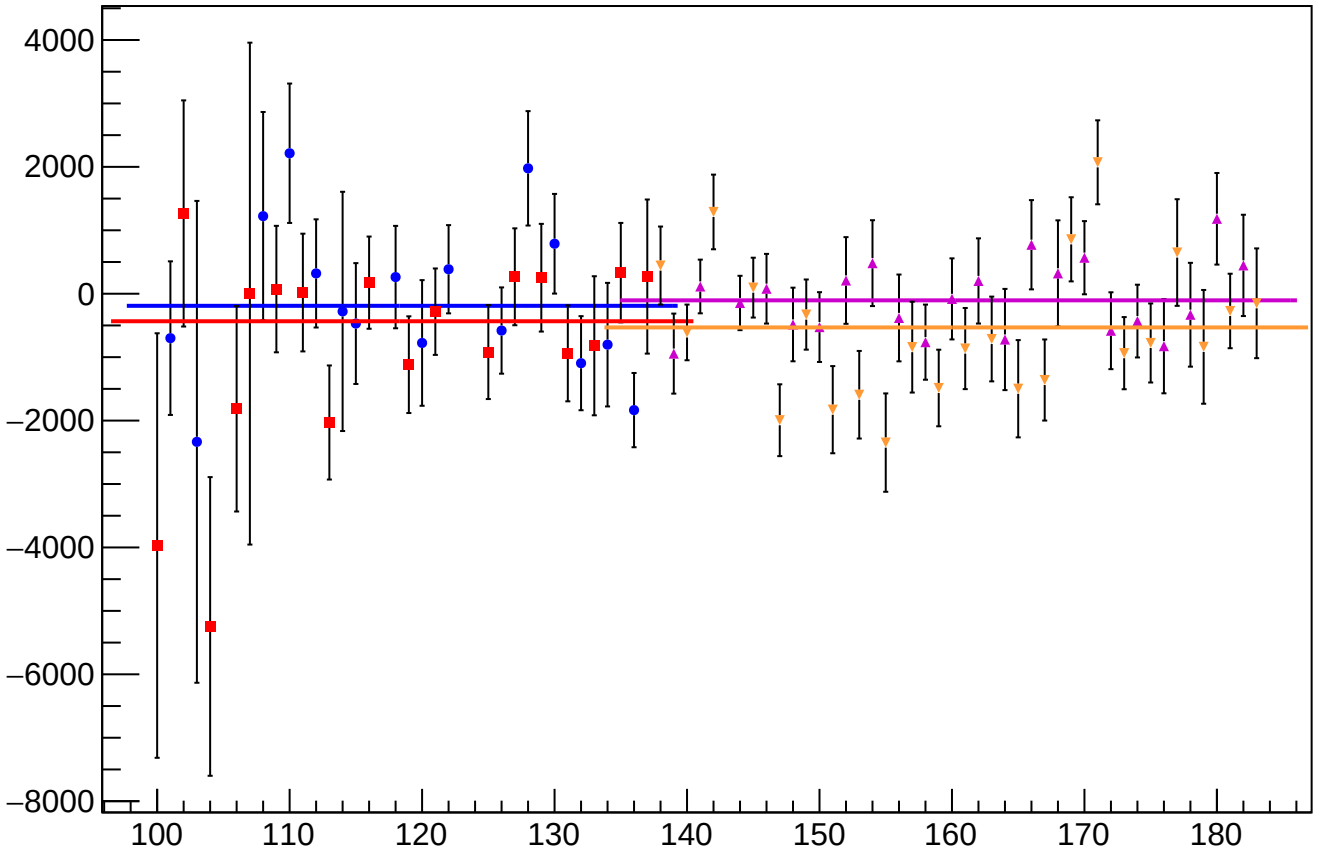
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1120.821+/-0.187 χ^2/NDF:9039.6/21

+ sign 1144.714+/-0.161 χ^2/NDF: 381303.1/38

All: 1149.950+/-0.114 χ^2/NDF: 977799.3/78

- sign 1155.344+/-0.163 χ^2/NDF: 594341.5/39



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -531.331+/-131.159 χ^2/NDF:61.4/22

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

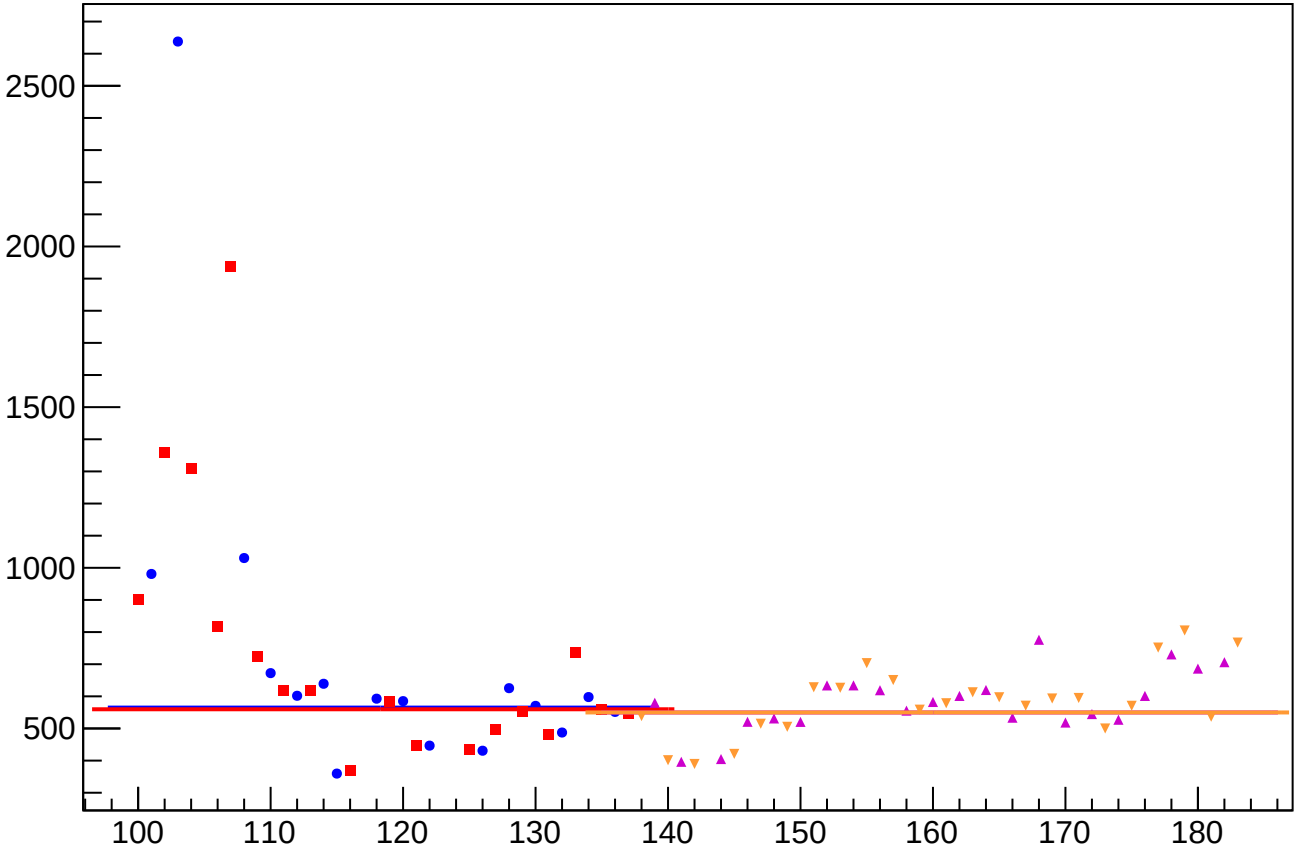
Left In: -104.411+/-131.663 χ^2/NDF:15.1/21

+ sign -443.692+/-113.037 χ^2/NDF: 88.4/38

All: -316.940+/-80.074 χ^2/NDF: 123.6/78

- sign -189.264+/-113.448 χ^2/NDF: 32.7/39

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 549.862+/-0.093 χ^2/NDF:1189551.2/22

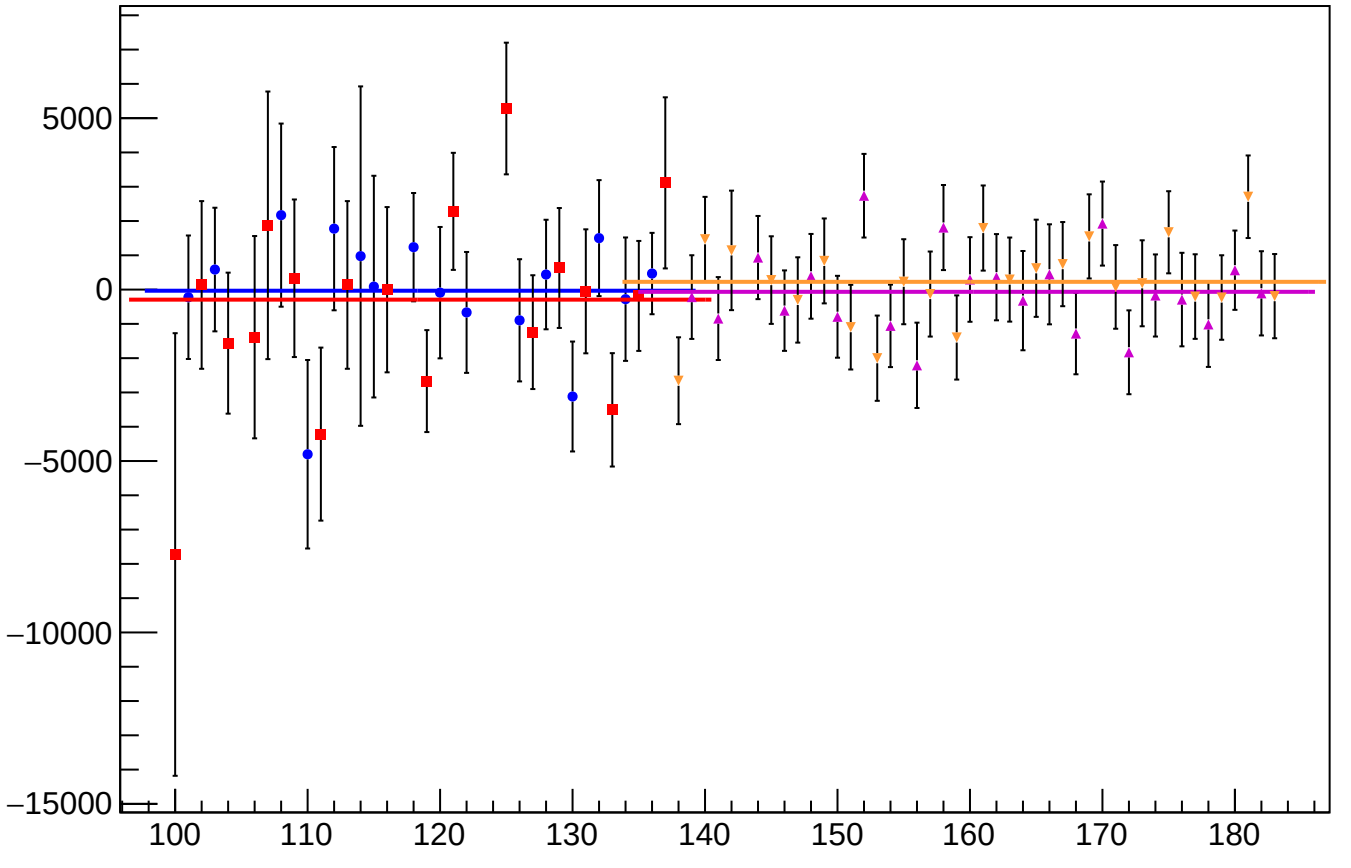
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 549.809+/-0.093 χ^2/NDF:1036280.3/21

+ sign 553.744+/-0.080 χ^2/NDF: 2480819.3/38

All: 553.060+/-0.057 χ^2/NDF: 4849544.8/78

- sign 552.371+/-0.080 χ^2/NDF: 2368578.5/39



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 226.467+/-261.744 χ^2/NDF:22.2/22

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

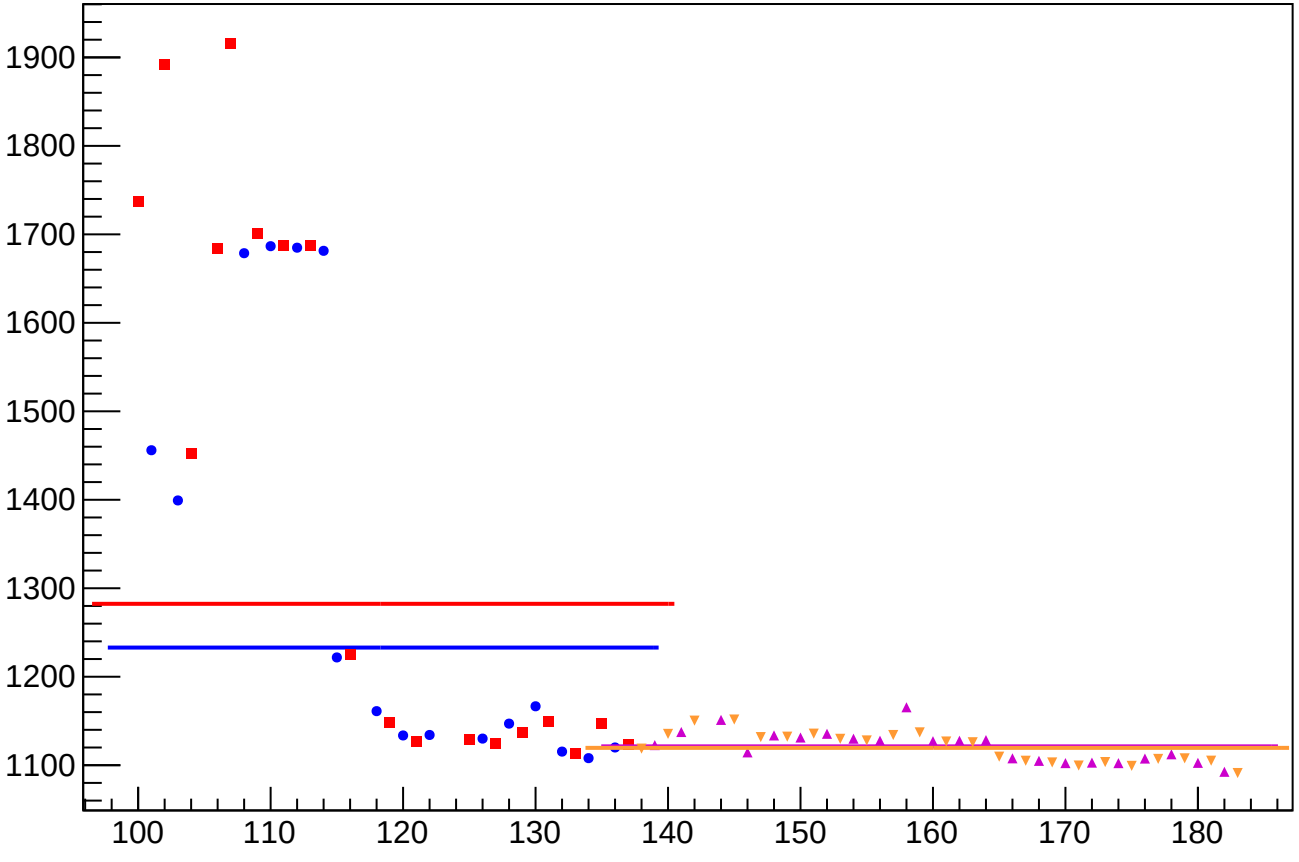
Left In: -65.155+/-263.985 χ^2/NDF:20.1/21

+ sign 163.657+/-227.880 χ^2/NDF: 32.7/38

All: 25.432+/-162.482 χ^2/NDF: 77.9/78

- sign -117.511+/-231.737 χ^2/NDF: 44.5/39

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1119.601+/-0.185 χ^2/NDF:7907.5/22

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

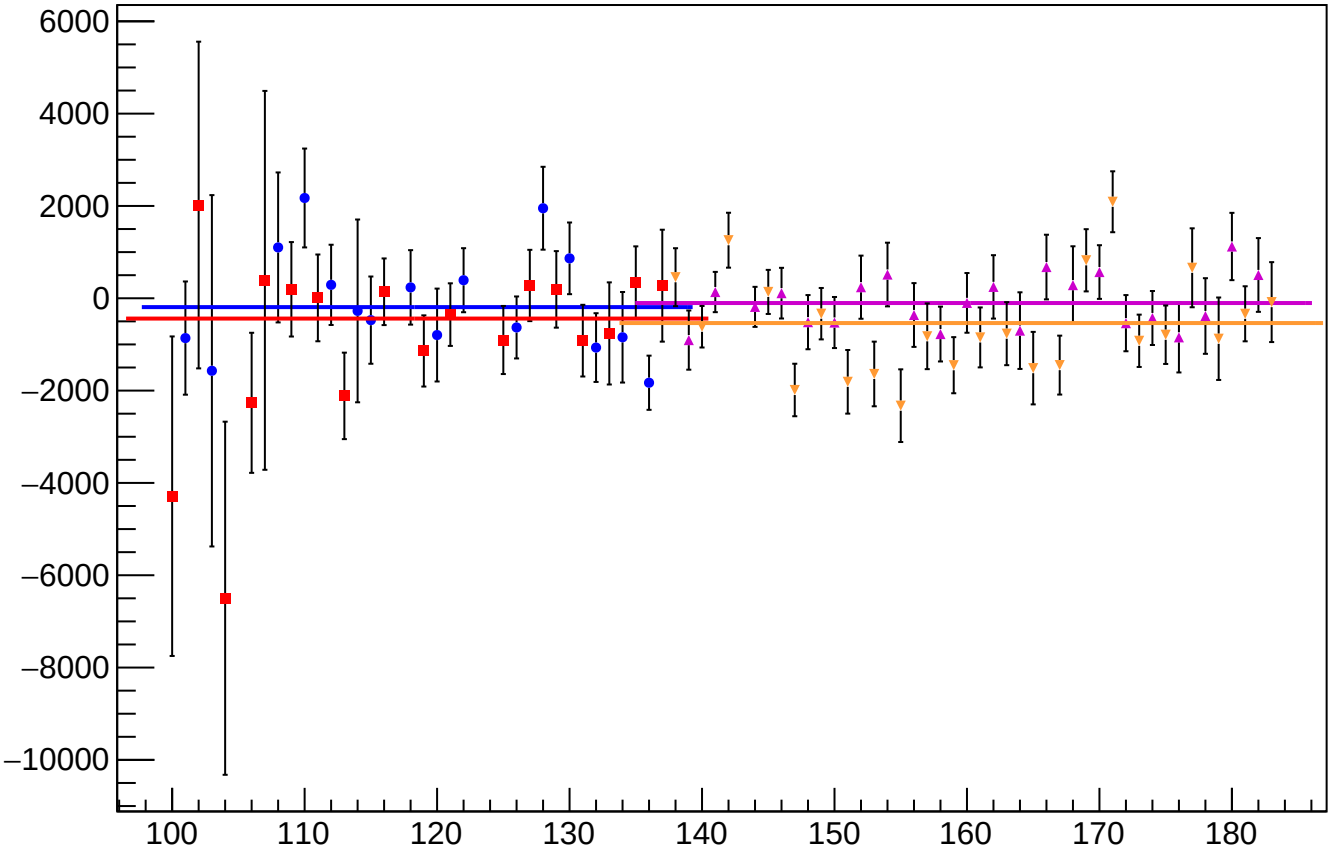
Left In: 1121.308+/-0.187 χ^2/NDF:8994.2/21

+ sign 1147.037+/-0.161 χ^2/NDF: 414175.2/38

All: 1152.556+/-0.115 χ^2/NDF: 1139821.8/78

- sign 1158.264+/-0.164 χ^2/NDF: 723260.2/39

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -536.738+/-132.552 χ^2/NDF:60.7/22

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

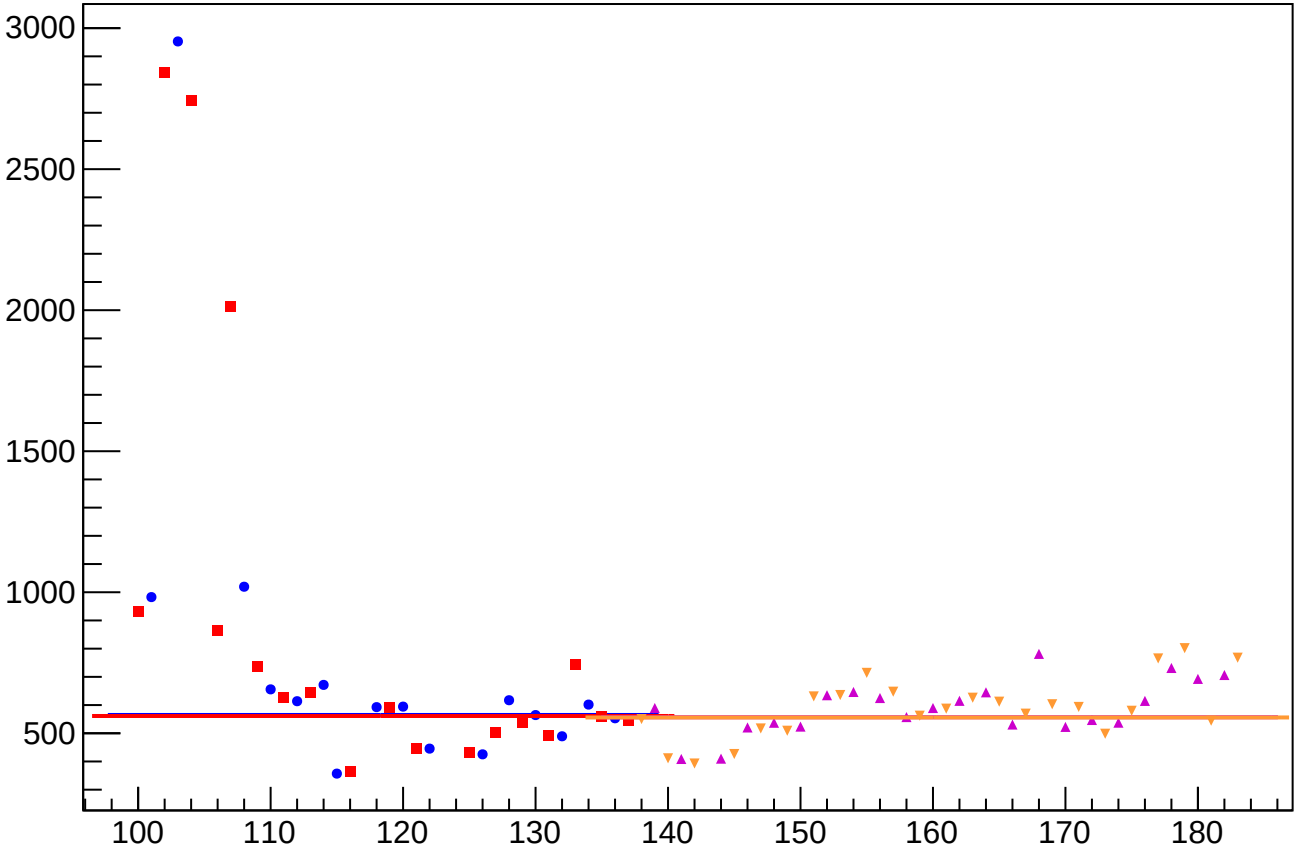
Left In: -103.030+/-133.245 χ^2/NDF:14.5/21

+ sign -446.471+/-113.911 χ^2/NDF: 87.8/38

All: -319.054+/-80.881 χ^2/NDF: 121.0/78

- sign -189.507+/-114.859 χ^2/NDF: 30.8/39

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 556.059+/-0.094 χ^2/NDF:1160420.6/22

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

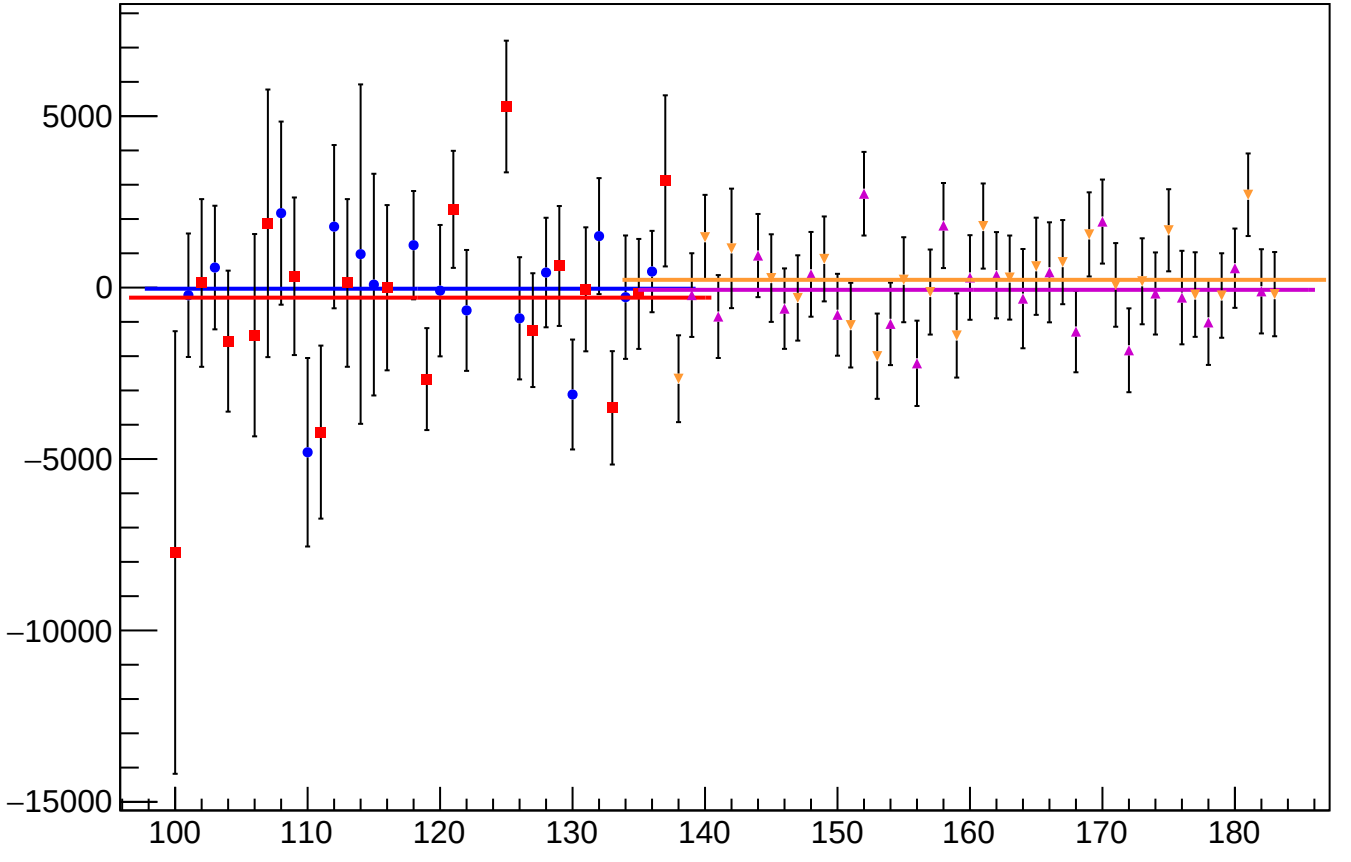
Left In: 556.823+/-0.094 χ^2/NDF:1001216.5/21

\+ sign 558.363+/-0.081 χ^2/NDF: 2643107.1/38

All: 558.167+/-0.057 χ^2/NDF: 5918280.3/78

\- sign 557.967+/-0.081 χ^2/NDF: 3275161.2/39

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 226.466+/-261.744 χ^2/NDF:22.2/22

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

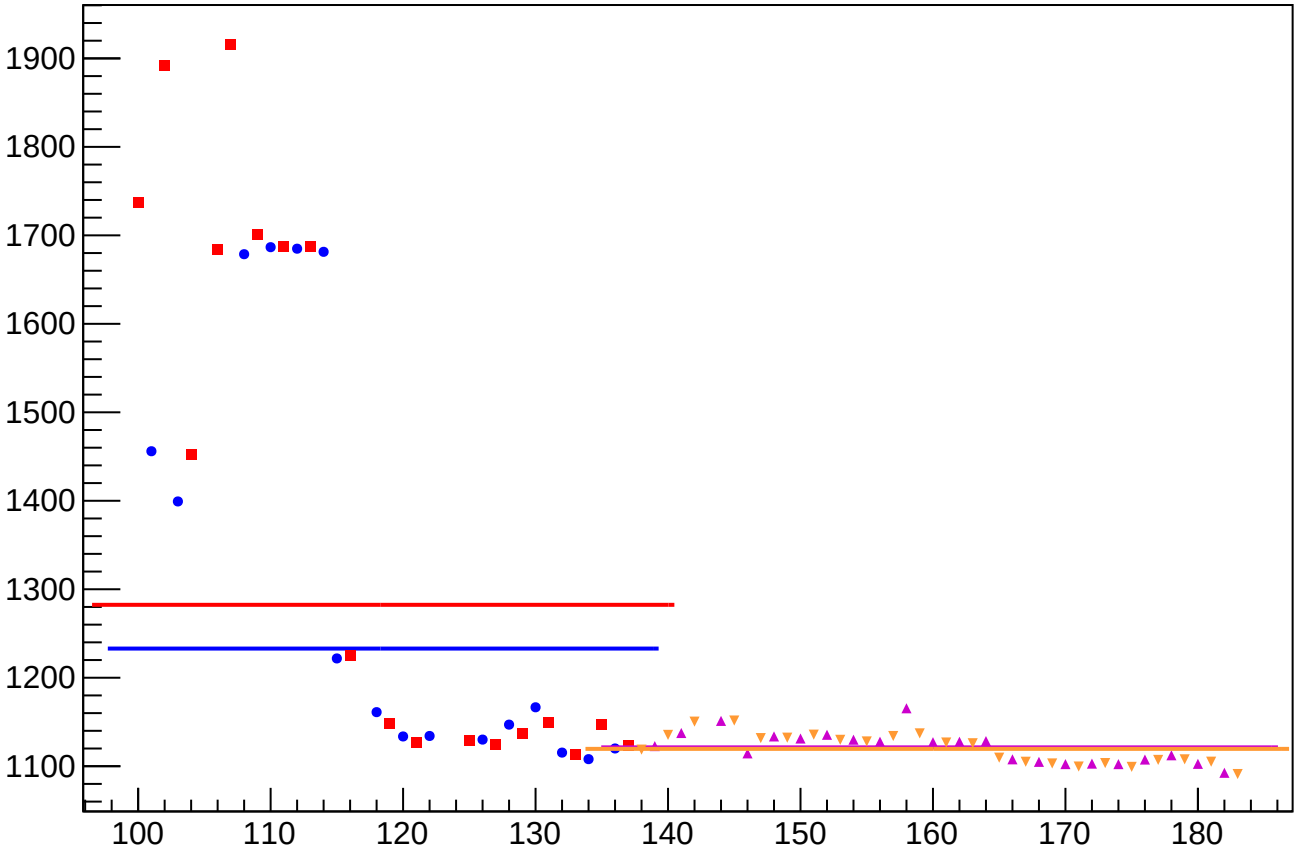
Left In: -65.156+/-263.985 χ^2/NDF:20.1/21

+ sign 163.656+/-227.880 χ^2/NDF: 32.7/38

All: 25.431+/-162.482 χ^2/NDF: 77.9/78

- sign -117.511+/-231.737 χ^2/NDF: 44.5/39

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1119.601+/-0.185 χ^2/NDF:7907.5/22

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

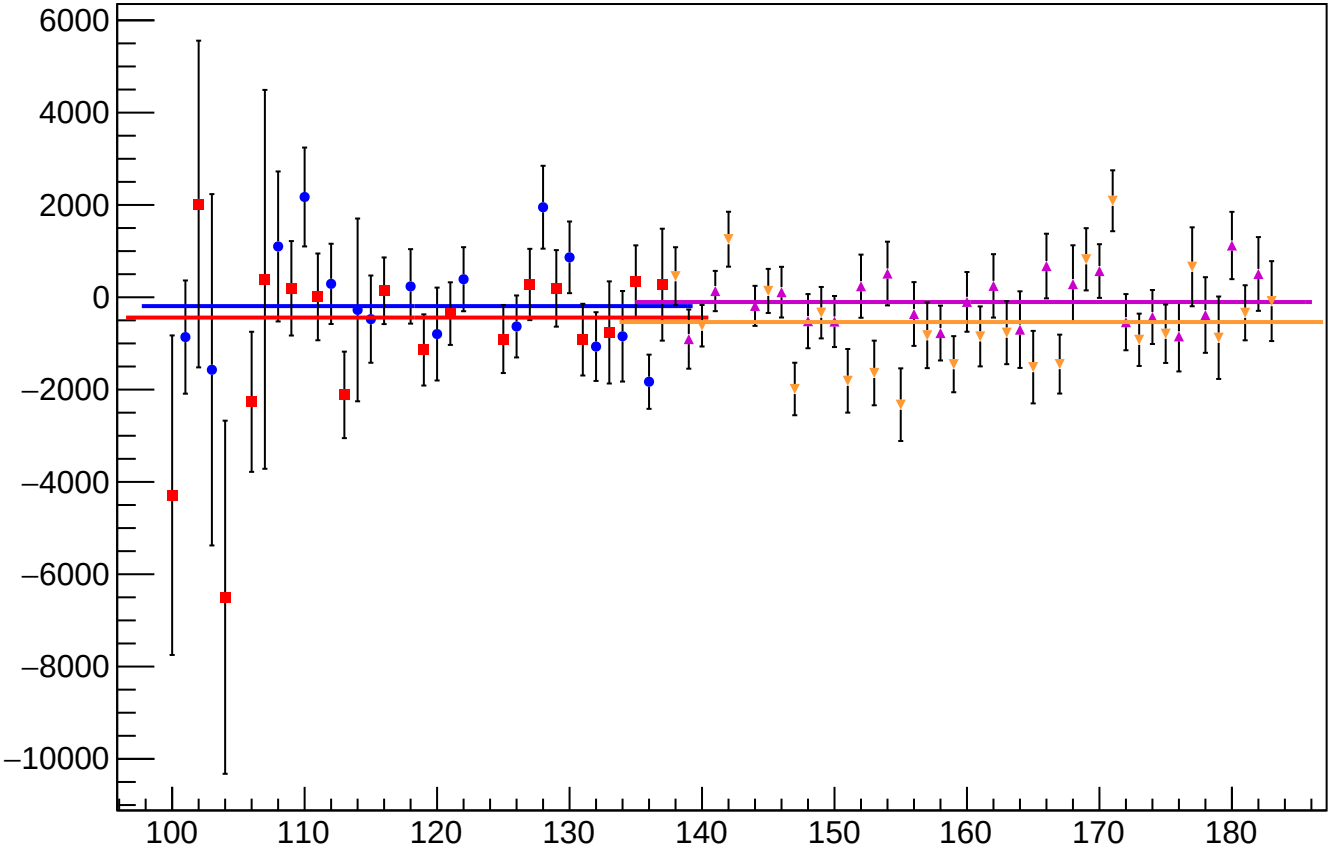
Left In: 1121.308+/-0.187 χ^2/NDF:8994.3/21

+ sign 1147.037+/-0.161 χ^2/NDF: 414174.7/38

All: 1152.556+/-0.115 χ^2/NDF: 1139820.5/78

- sign 1158.264+/-0.164 χ^2/NDF: 723259.5/39

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -536.737+/-132.552 χ^2/NDF:60.7/22

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

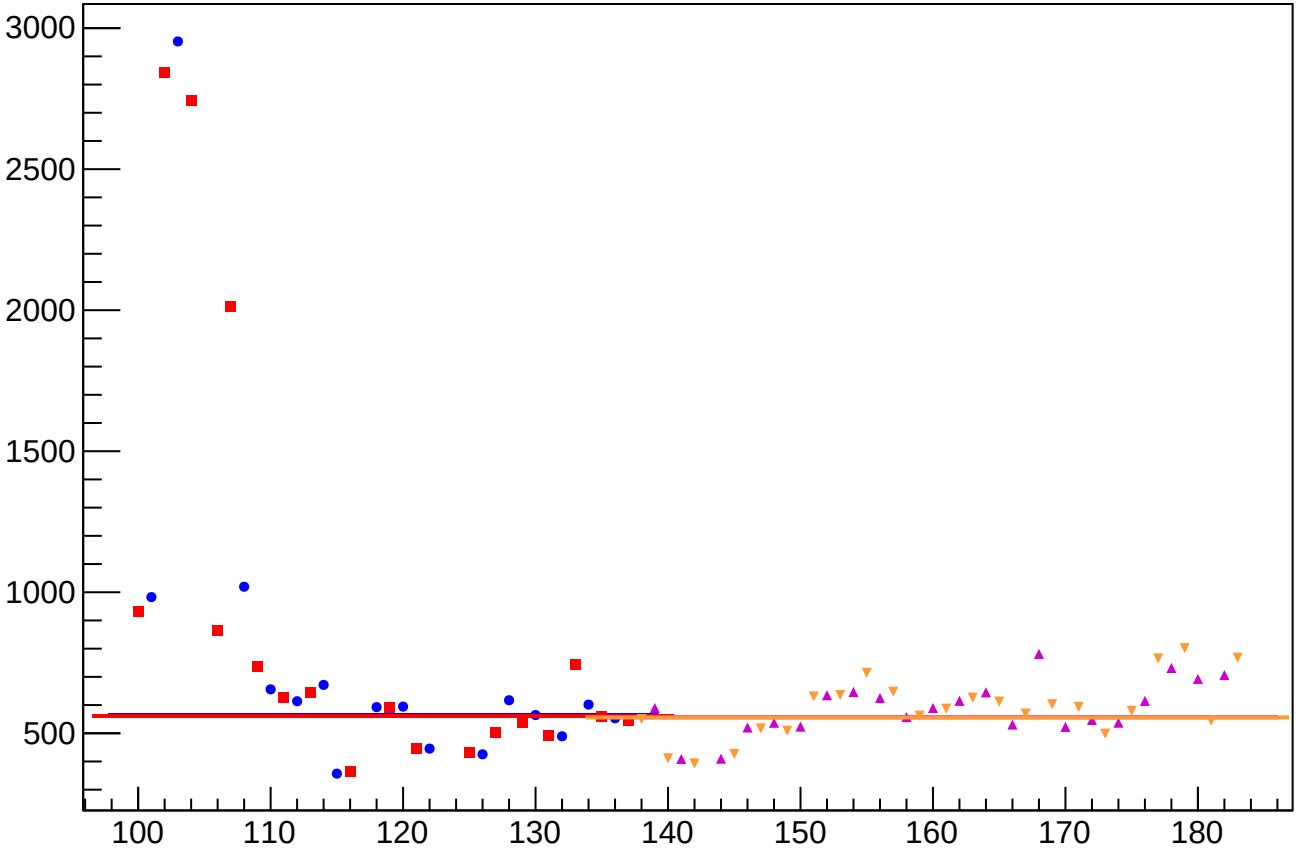
Left In: -103.030+/-133.245 χ^2/NDF:14.5/21

+ sign -446.470+/-113.911 χ^2/NDF: 87.8/38

All: -319.054+/-80.880 χ^2/NDF: 121.0/78

- sign -189.507+/-114.859 χ^2/NDF: 30.8/39

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 556.059+/-0.094 χ^2/NDF:1160441.3/22

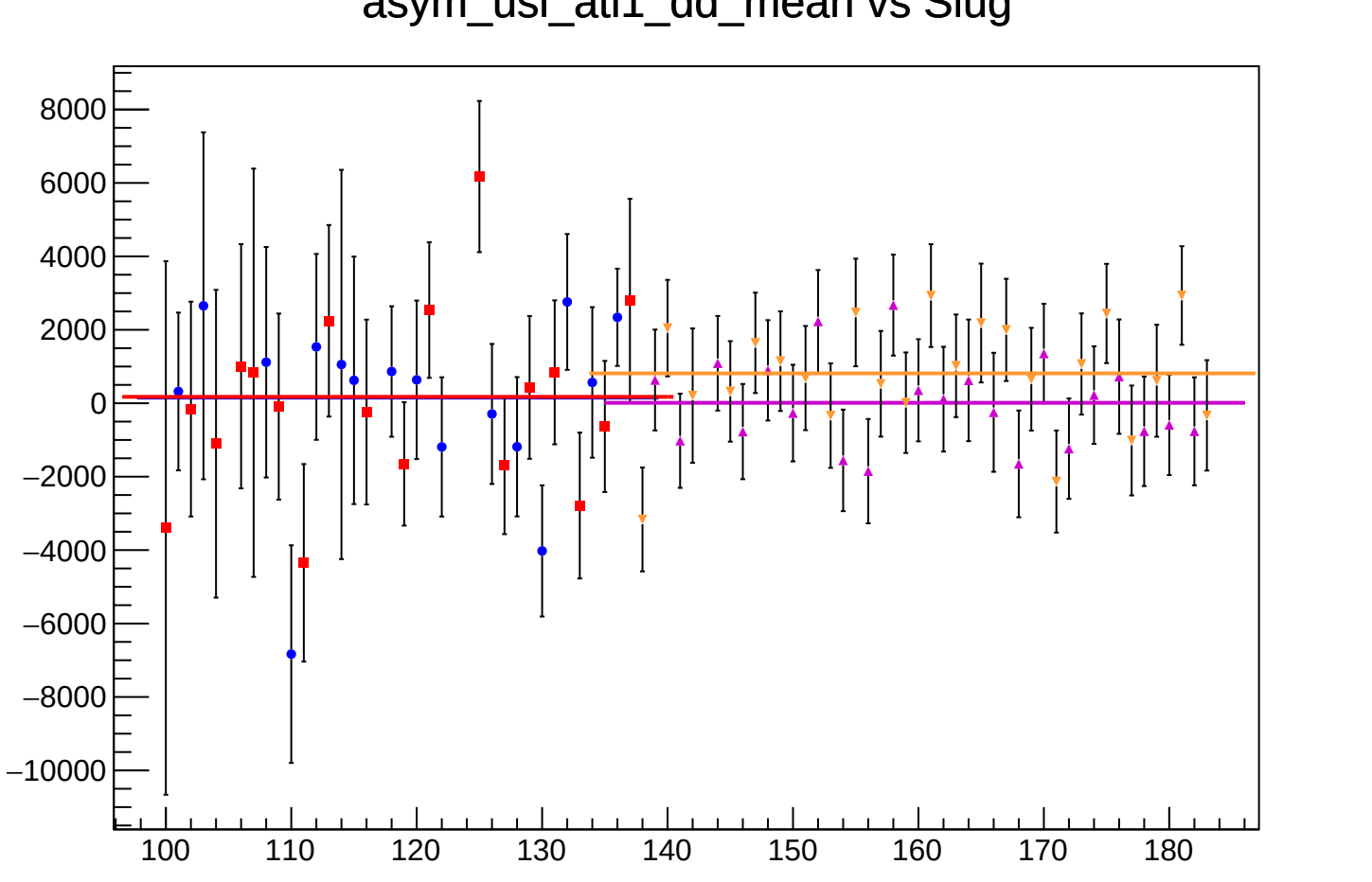
Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 556.823+/-0.094 χ^2/NDF:1001230.7/21

+ sign 558.363+/-0.081 χ^2/NDF: 2643125.5/38

All: 558.166+/-0.057 χ^2/NDF: 5918313.8/78

- sign 557.966+/-0.081 χ^2/NDF: 3275176.3/39



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 813.749+/-296.730 χ^2/NDF:26.1/22

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

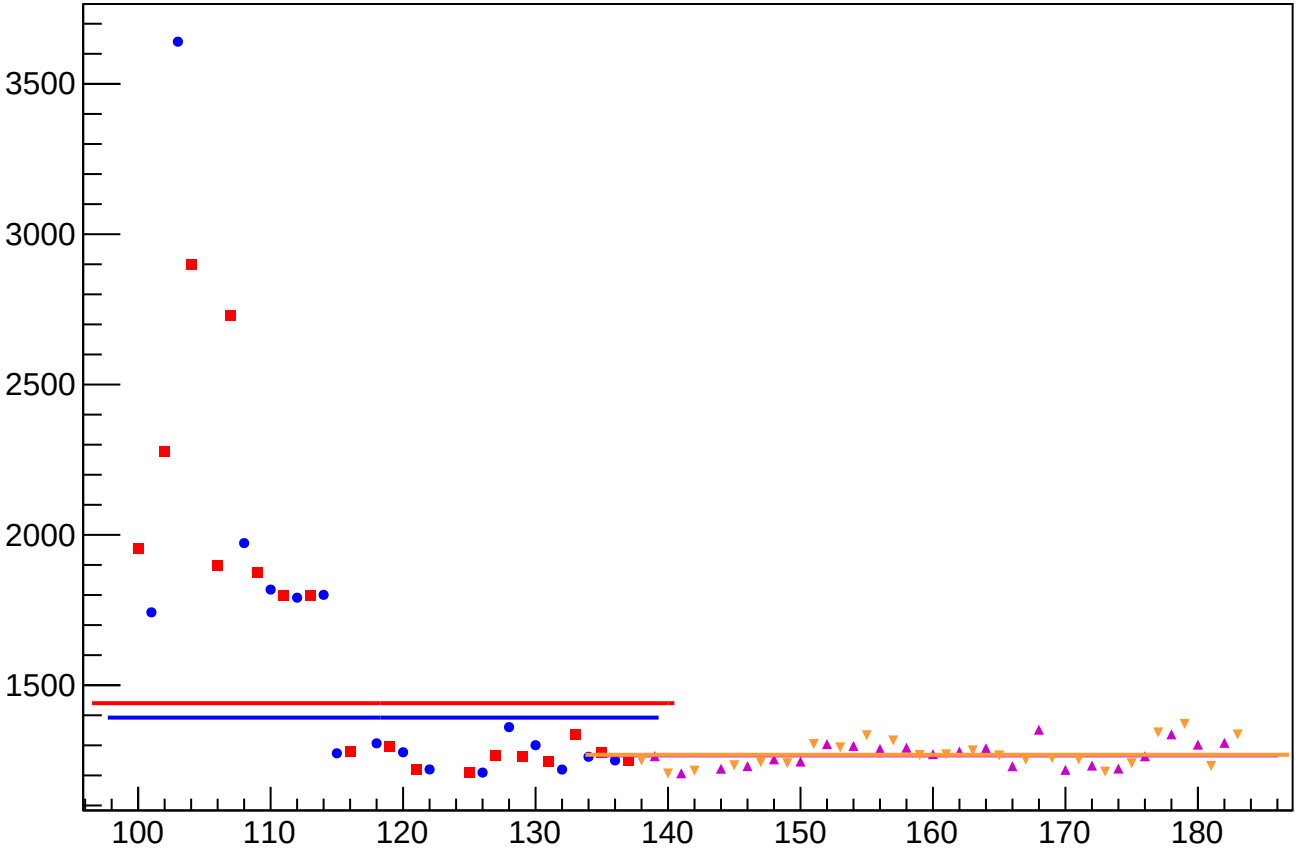
Left In: 11.607+/-298.335 χ^2/NDF:16.0/21

+ sign 657.098+/-259.156 χ^2/NDF: 45.0/38

All: 356.458+/-184.338 χ^2/NDF: 83.5/78

- sign 48.582+/-262.257 χ^2/NDF: 35.7/39

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1268.648+/-0.210 χ^2/NDF:41919.8/22

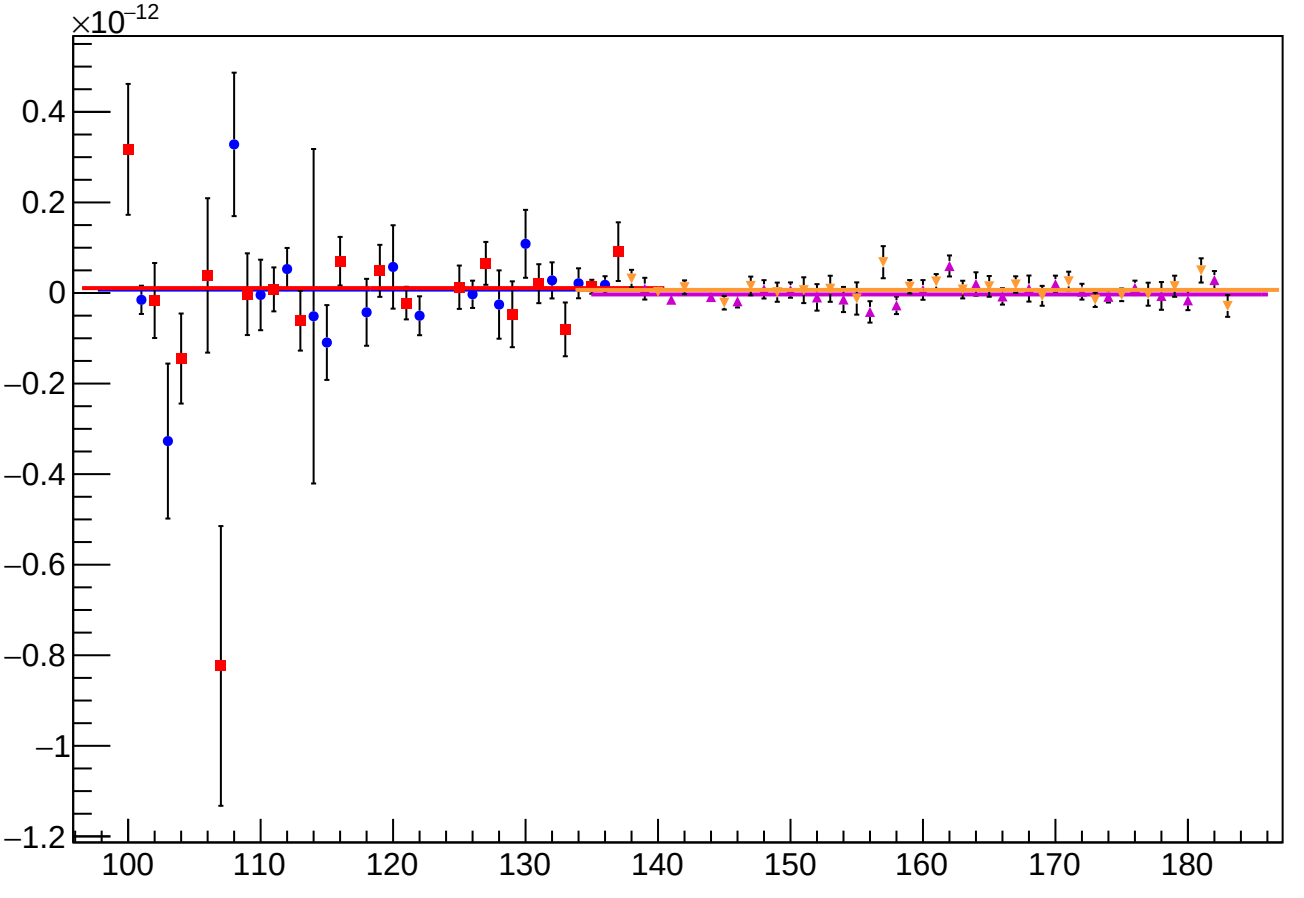
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1266.627+/-0.211 χ^2/NDF:34268.3/21

+ sign 1297.980+/-0.183 χ^2/NDF: 903544.8/38

All: 1301.979+/-0.130 χ^2/NDF: 1947543.8/78

- sign 1306.075+/-0.185 χ^2/NDF: 1043035.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/22

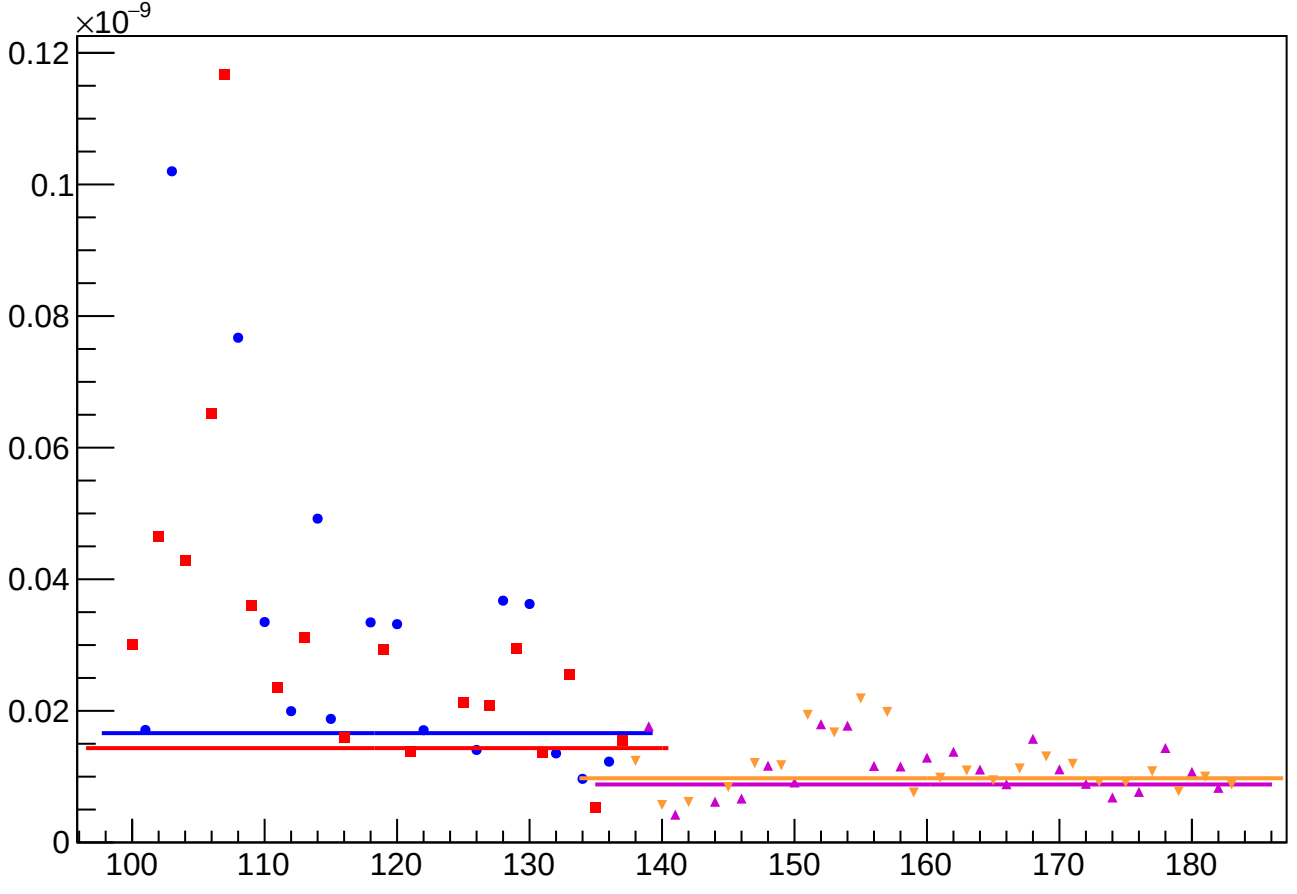
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:22.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/38

All: 0.000+/-0.000 χ^2/NDF: 87.3/78

- sign -0.000+/-0.000 χ^2/NDF: 48.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1373339.2/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

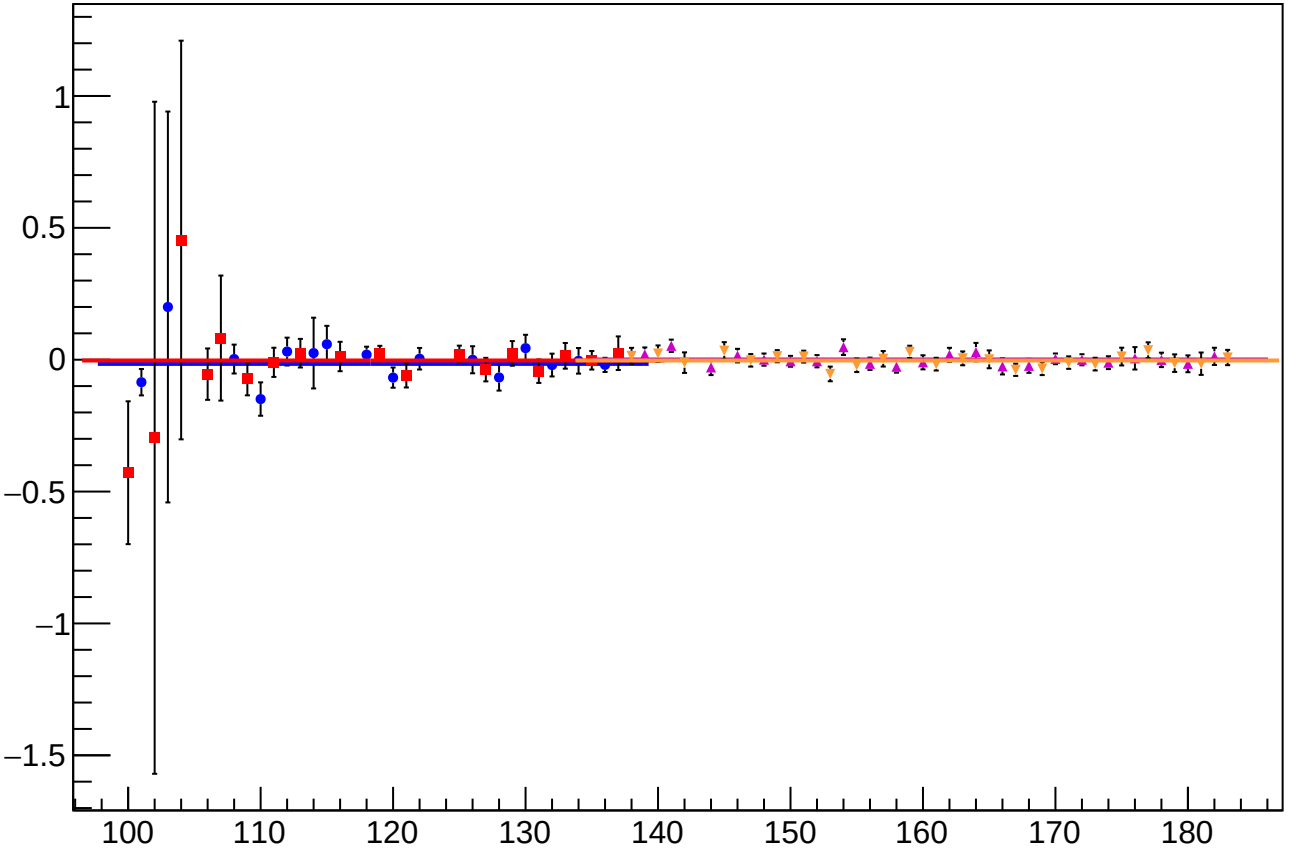
Left In: 0.000+/-0.000 χ^2/NDF:1897717.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 3648901.3/38

All: 0.000+/-0.000 χ^2/NDF: 8386502.1/78

- sign 0.000+/-0.000 χ^2/NDF: 4638861.6/39

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.1/22

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

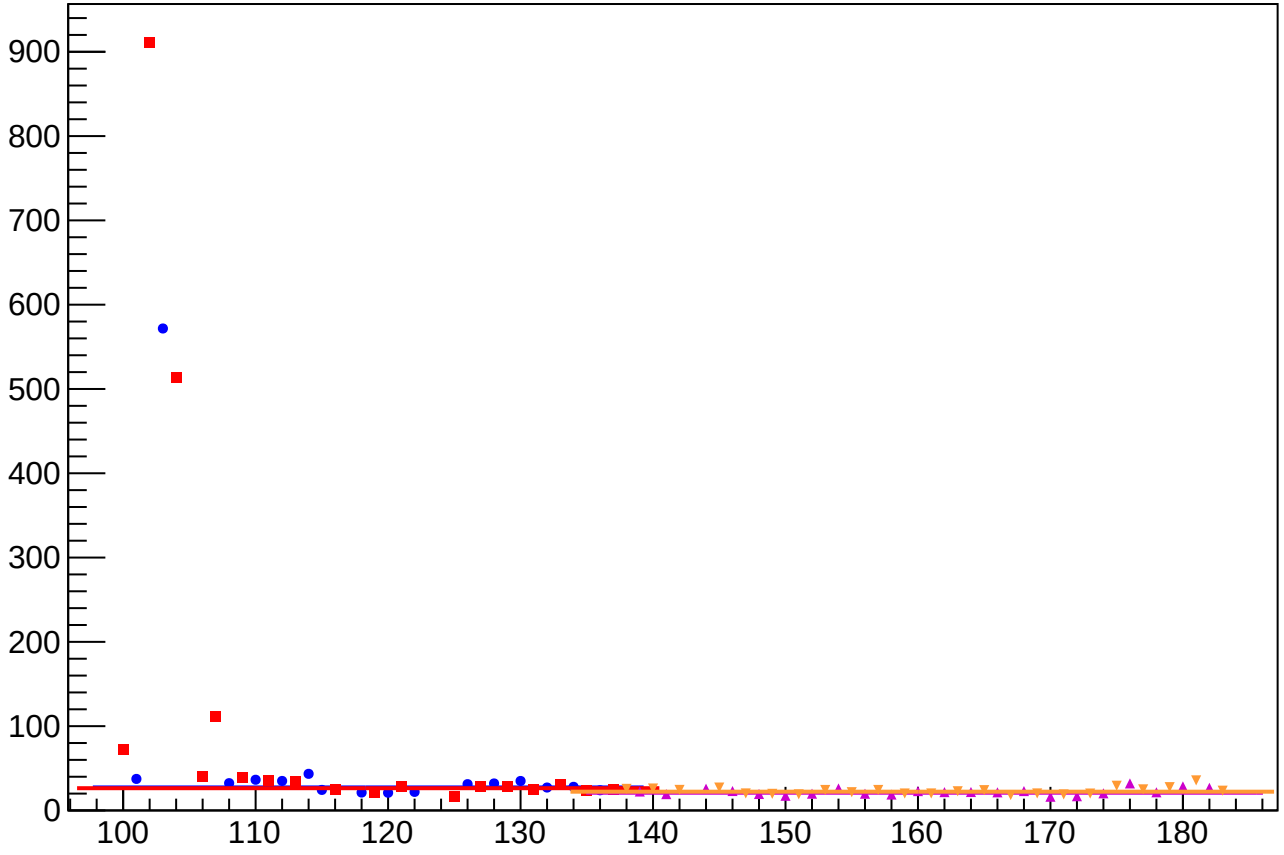
Left In: 0.001+/-0.005 χ^2/NDF:14.9/21

+ sign -0.005+/-0.005 χ^2/NDF: 31.7/38

All: -0.003+/-0.004 χ^2/NDF: 57.2/78

- sign 0.000+/-0.005 χ^2/NDF: 24.9/39

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.269+/-0.004 χ^2/NDF:728360.8/22

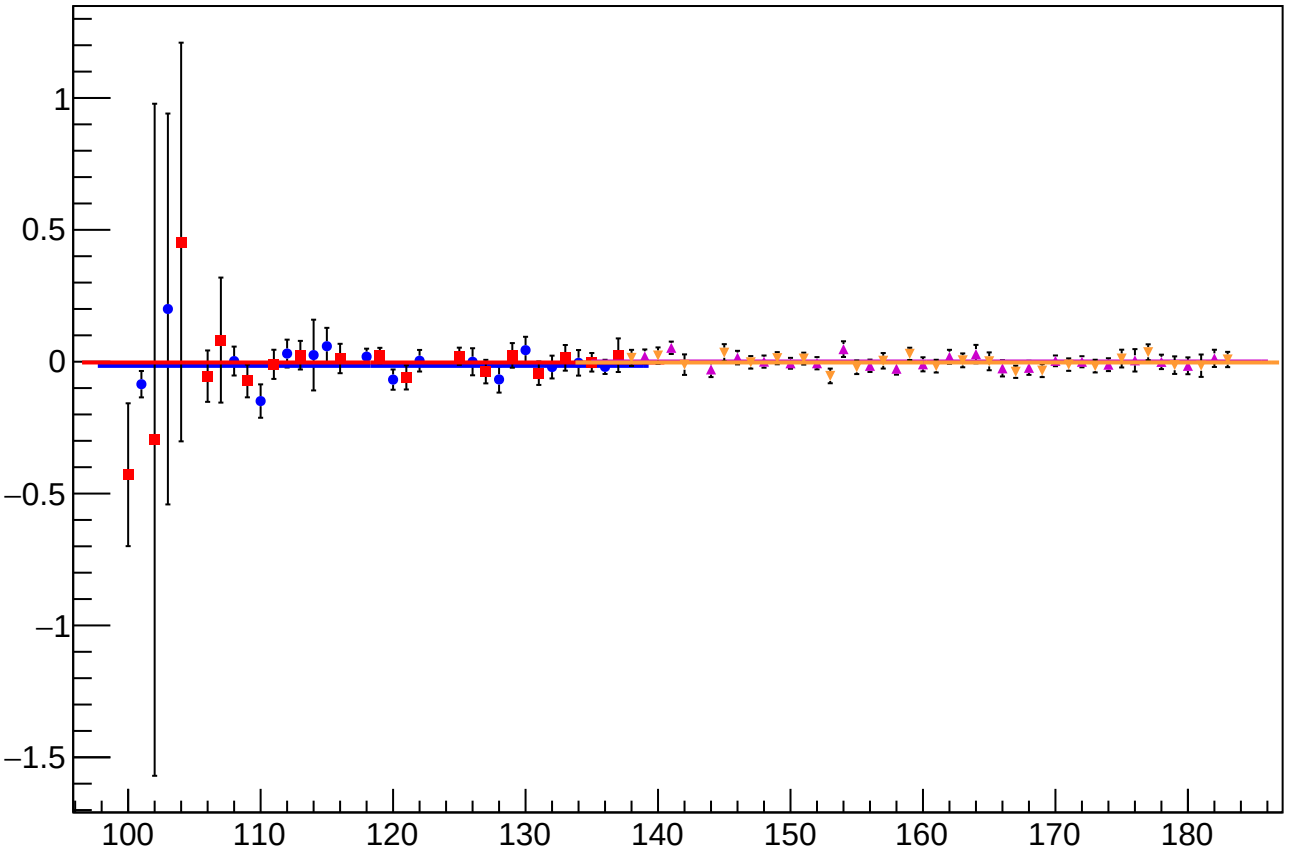
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.015+/-0.004 χ^2/NDF:760778.6/21

+ sign 23.254+/-0.004 χ^2/NDF: 2602093.9/38

All: 22.583+/-0.003 χ^2/NDF: 6376918.4/78

- sign 21.943+/-0.004 χ^2/NDF: 3707579.7/39



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.1/22

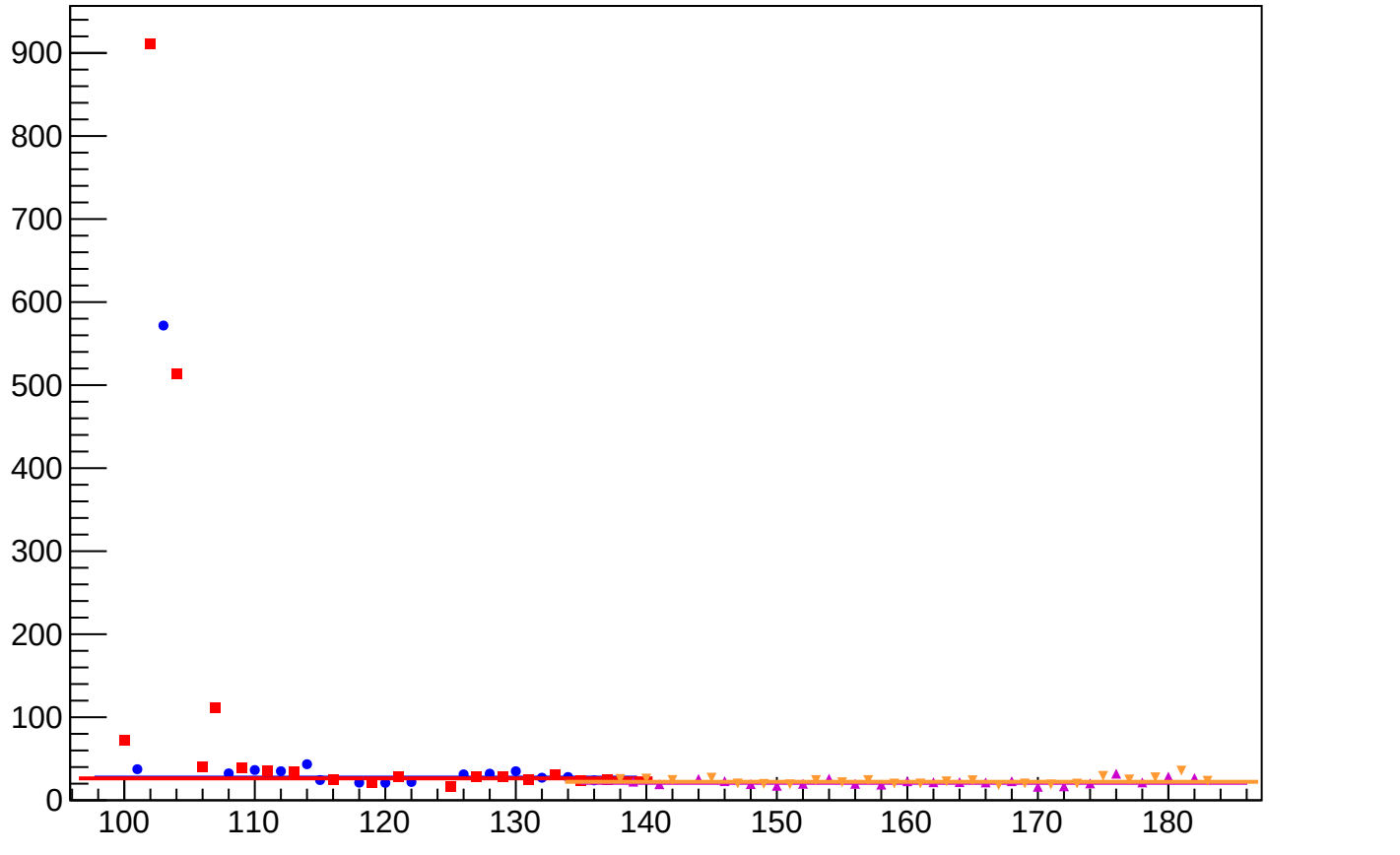
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.005 χ^2/NDF:14.9/21

+ sign -0.005+/-0.005 χ^2/NDF: 31.7/38

All: -0.003+/-0.004 χ^2/NDF: 57.2/78

- sign 0.000+/-0.005 χ^2/NDF: 24.9/39



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.269+/-0.004 χ^2/NDF:728360.8/22

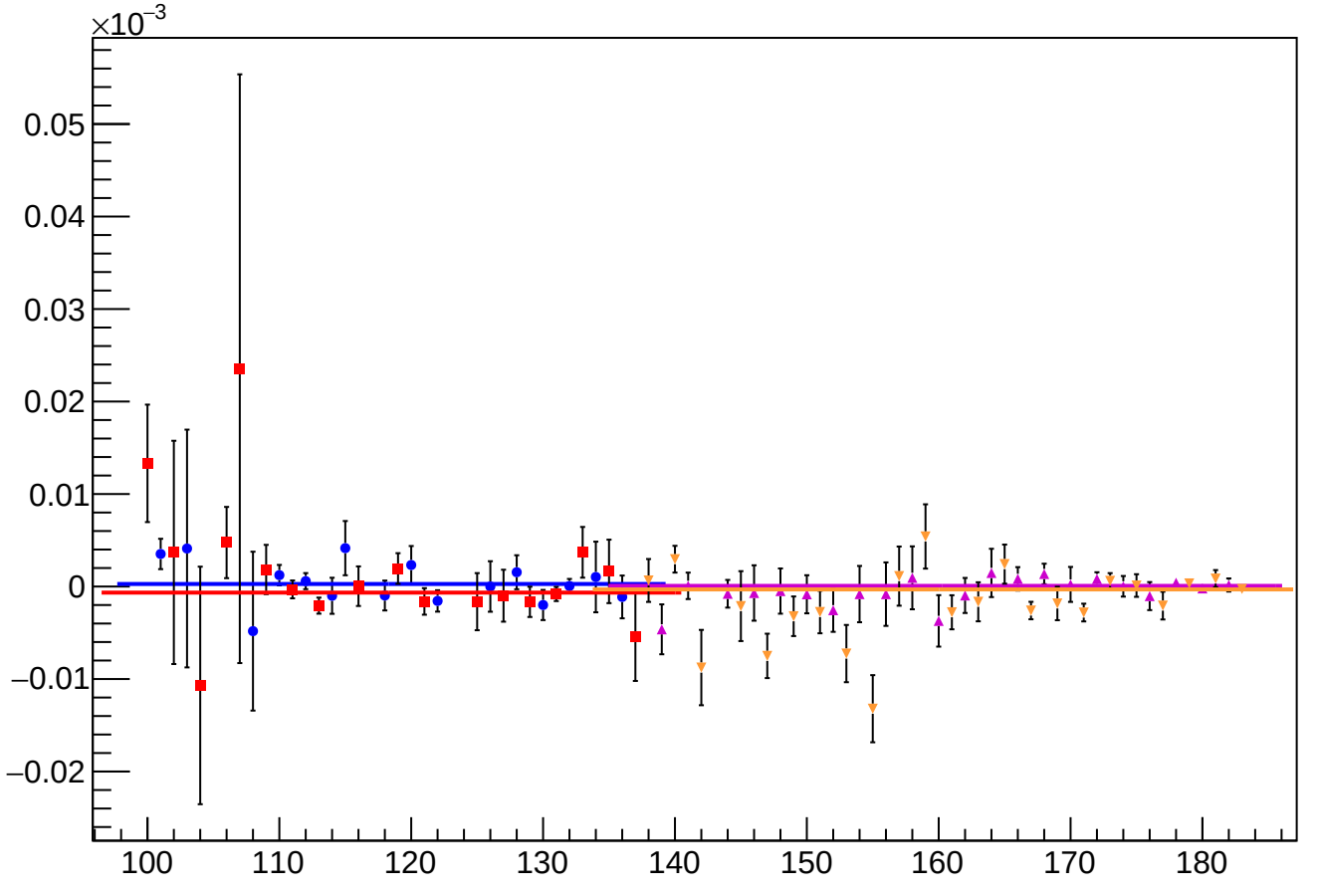
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.015+/-0.004 χ^2/NDF:760778.6/21

+ sign 23.254+/-0.004 χ^2/NDF: 2602093.9/38

All: 22.583+/-0.003 χ^2/NDF: 6376918.4/78

- sign 21.943+/-0.004 χ^2/NDF: 3707579.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:67.8/22

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

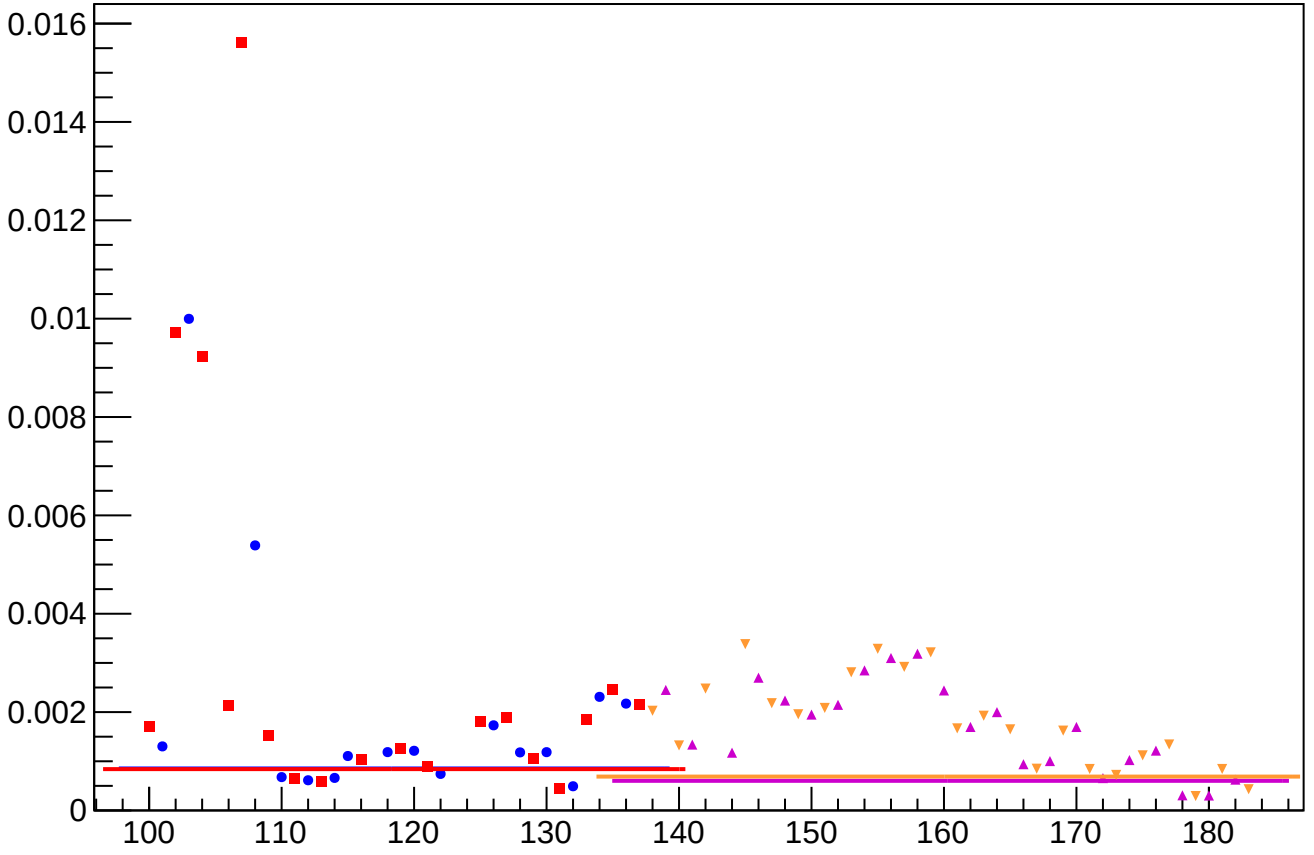
Left In: 0.000+/-0.000 χ^2/NDF:12.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 84.1/38

All: -0.000+/-0.000 χ^2/NDF: 118.7/78

- sign -0.000+/-0.000 χ^2/NDF: 34.4/39

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:15112721.9/22

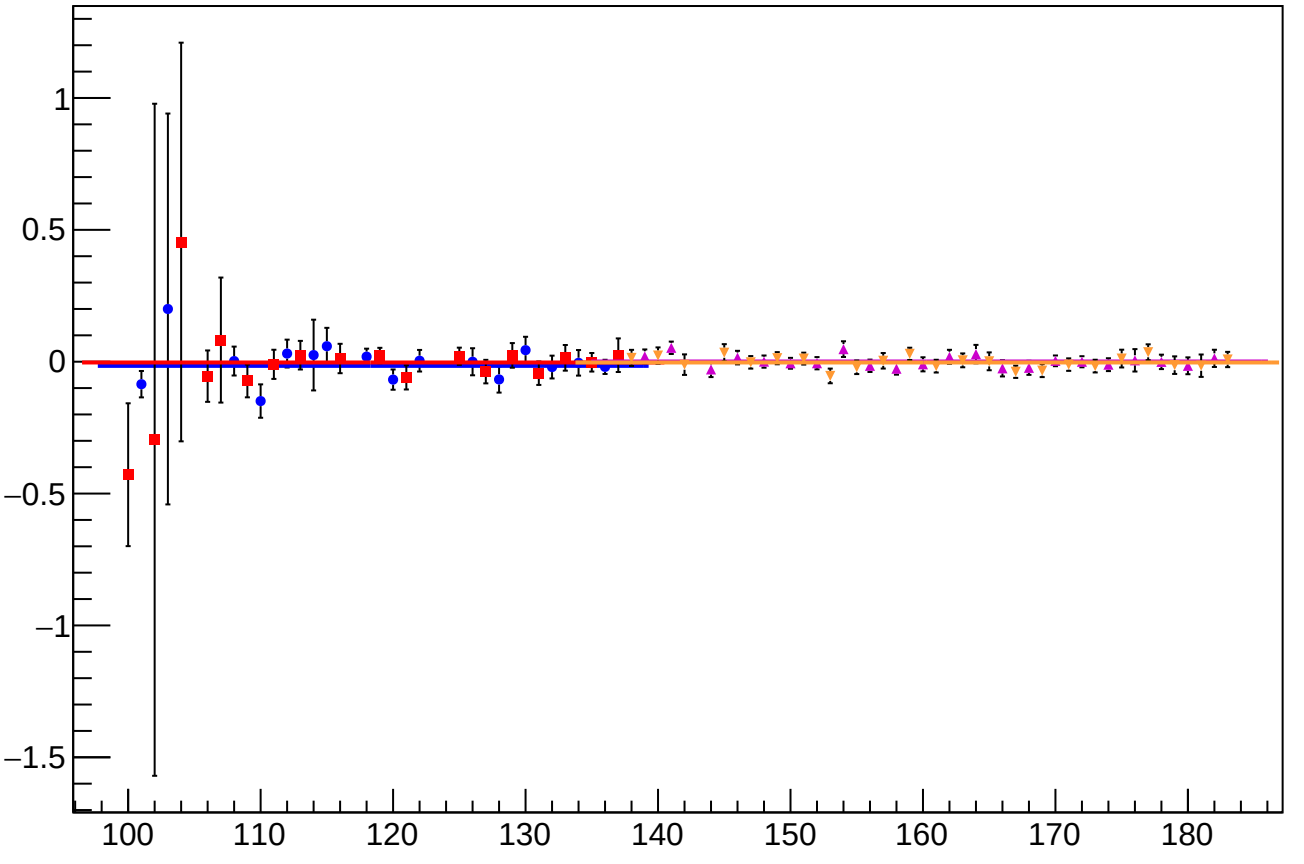
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:15455426.9/21

+ sign 0.001+/-0.000 χ^2/NDF: 19266132.0/38

All: 0.001+/-0.000 χ^2/NDF: 40532381.8/78

- sign 0.001+/-0.000 χ^2/NDF: 21068932.2/39



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.1/22

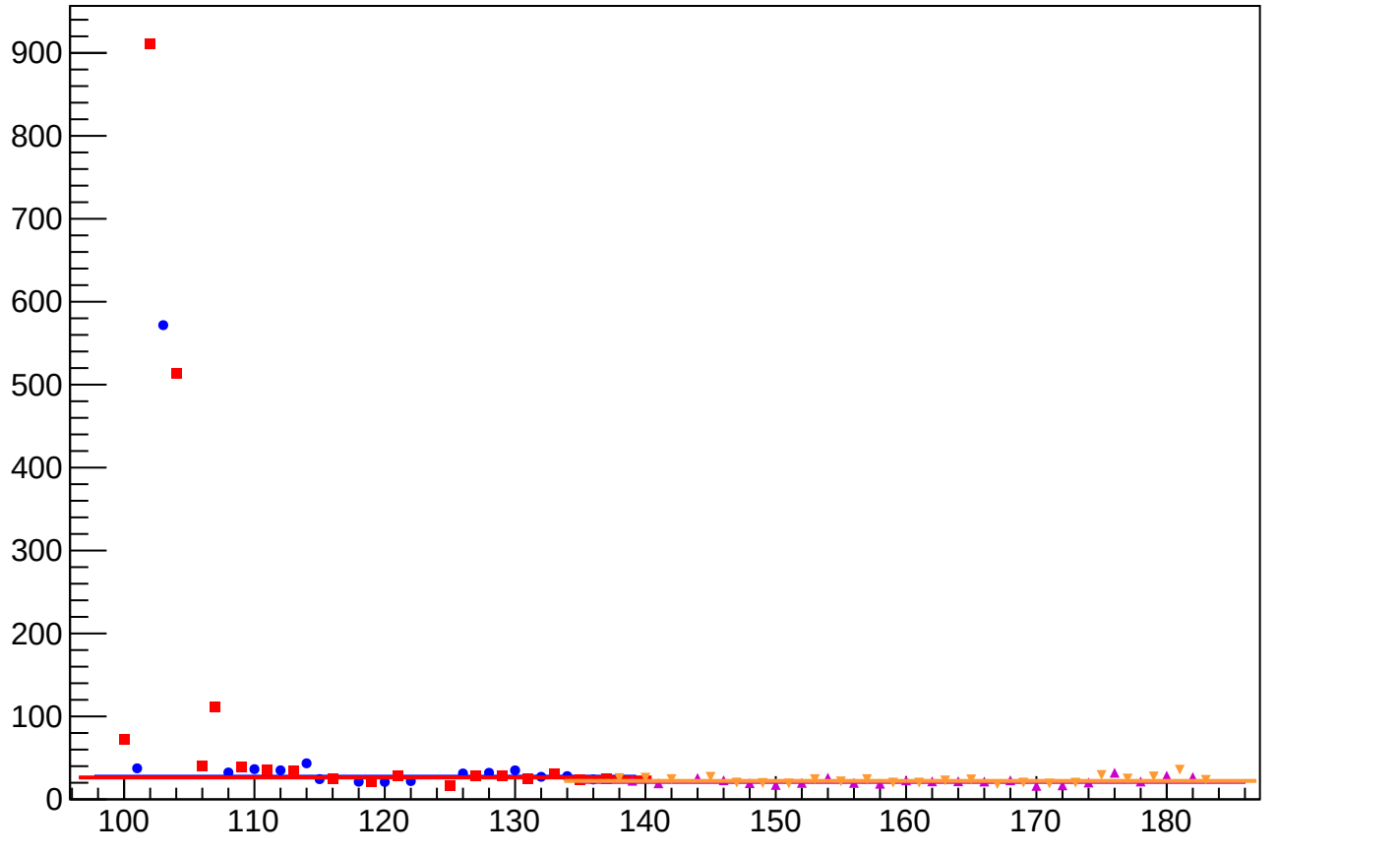
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.005 χ^2/NDF:14.9/21

+ sign -0.005+/-0.005 χ^2/NDF: 31.7/38

All: -0.003+/-0.004 χ^2/NDF: 57.2/78

- sign 0.000+/-0.005 χ^2/NDF: 24.8/39



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.269+/-0.004 χ^2/NDF:728331.6/22

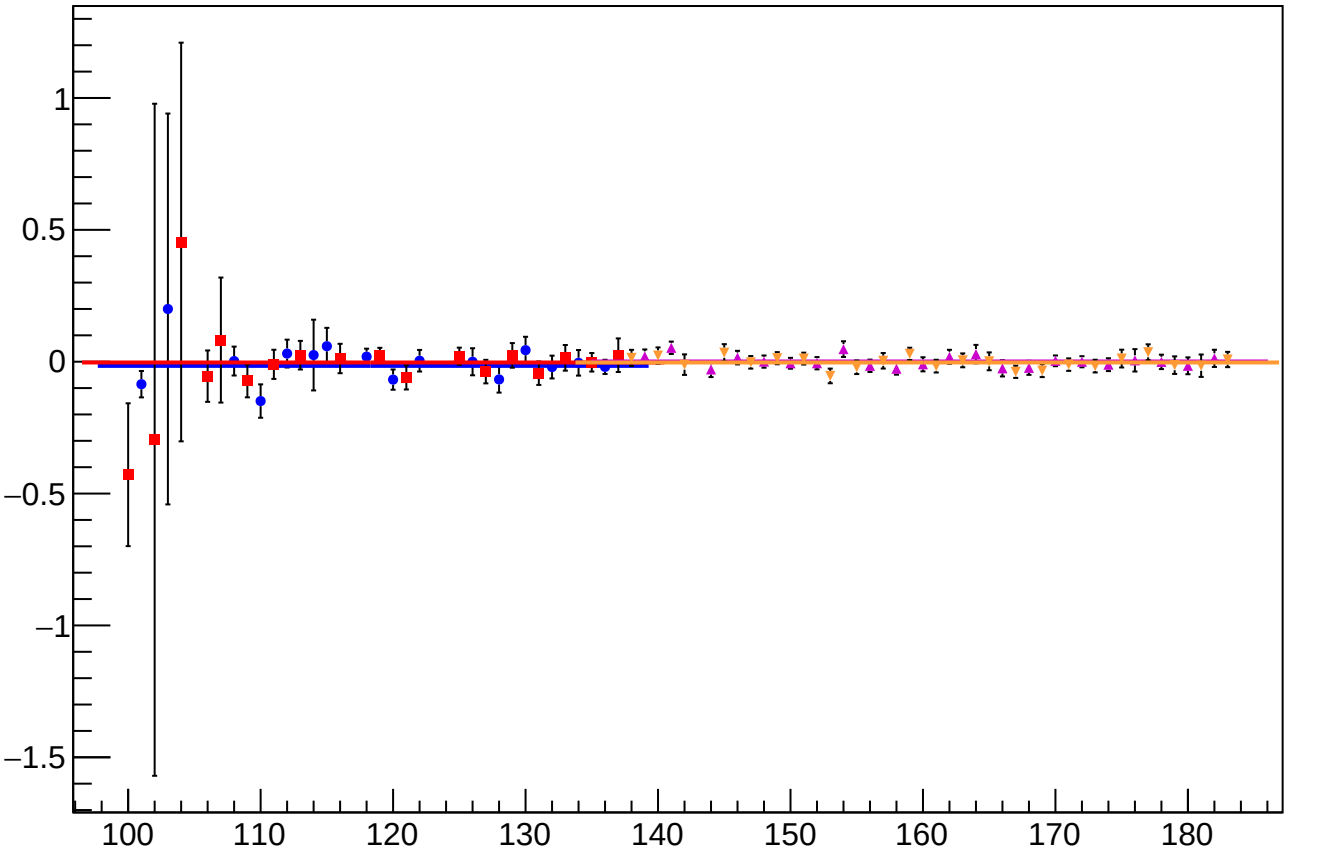
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.015+/-0.004 χ^2/NDF:760789.8/21

+ sign 23.253+/-0.004 χ^2/NDF: 2602067.3/38

All: 22.583+/-0.003 χ^2/NDF: 6376922.9/78

- sign 21.943+/-0.004 χ^2/NDF: 3707612.9/39



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.1/22

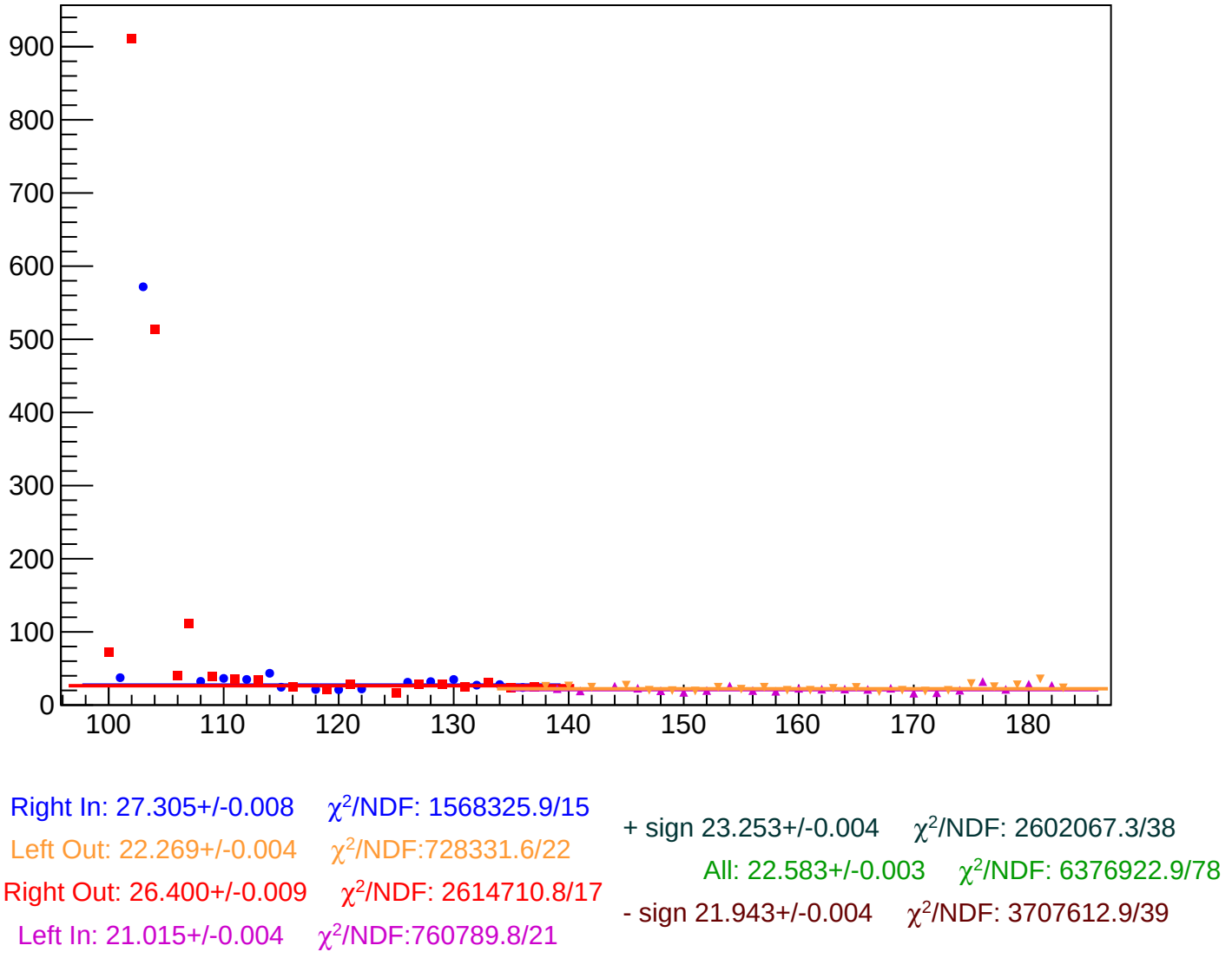
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

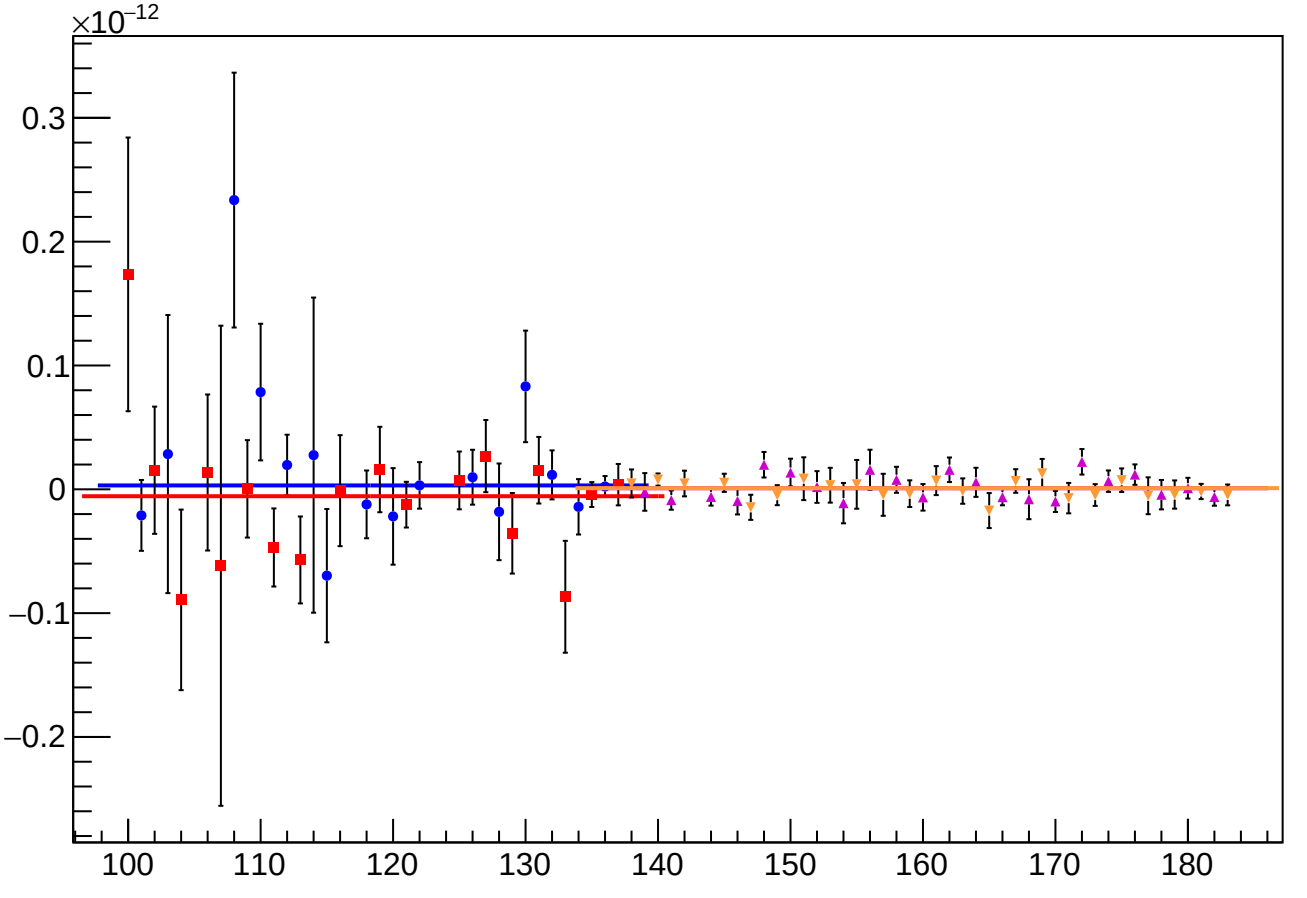
Left In: 0.001+/-0.005 χ^2/NDF:14.9/21

+ sign -0.005+/-0.005 χ^2/NDF: 31.7/38

All: -0.003+/-0.004 χ^2/NDF: 57.2/78

- sign 0.000+/-0.005 χ^2/NDF: 24.8/39


asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 22.269+/-0.004 χ²/NDF:728331.6/22
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 21.015+/-0.004 χ²/NDF:760789.8/21
+ sign 23.253+/-0.004 χ²/NDF: 2602067.3/38
All: 22.583+/-0.003 χ²/NDF: 6376922.9/78
- sign 21.943+/-0.004 χ²/NDF: 3707612.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/22

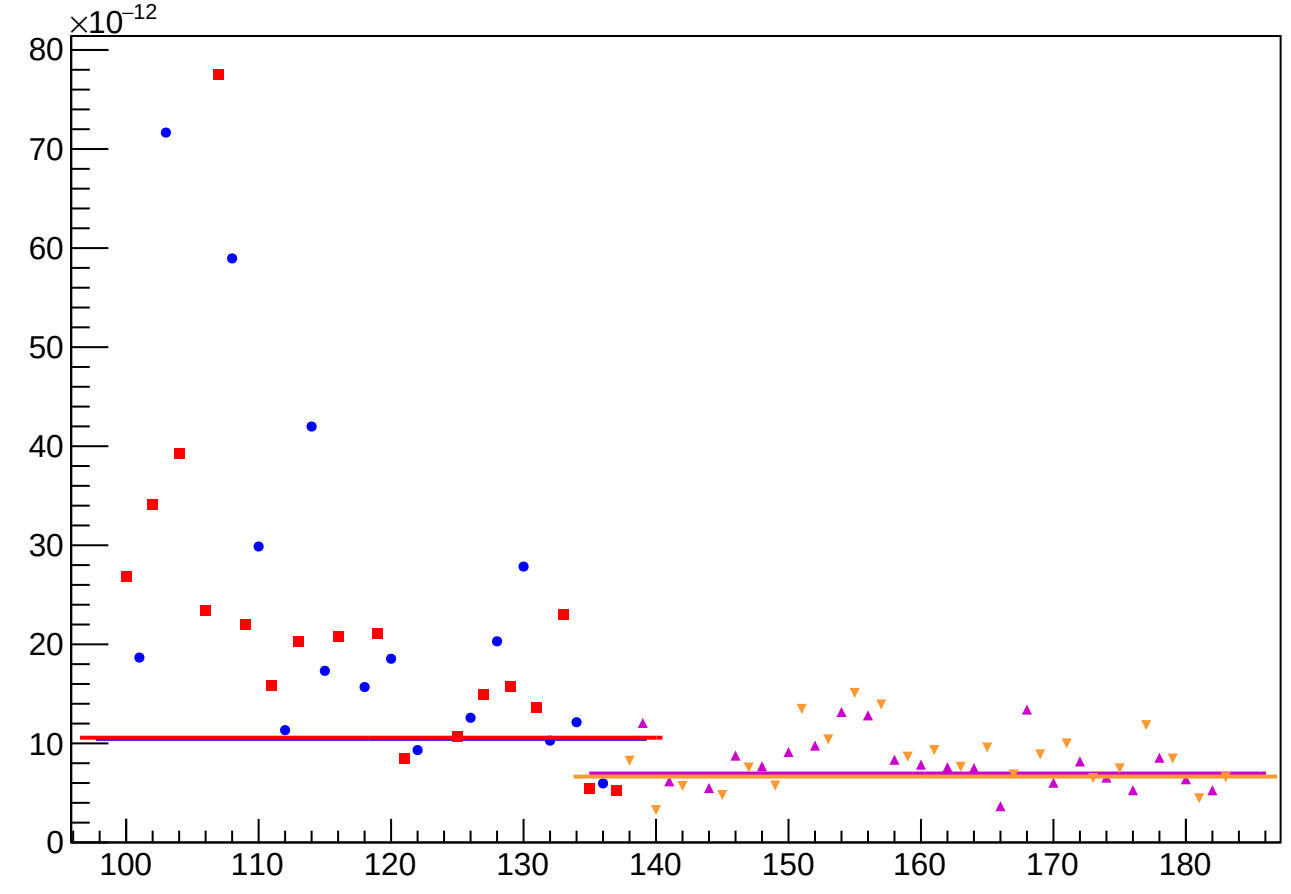
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:23.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 26.7/38

All: 0.000+/-0.000 χ^2/NDF: 66.7/78

- sign 0.000+/-0.000 χ^2/NDF: 39.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3427043.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

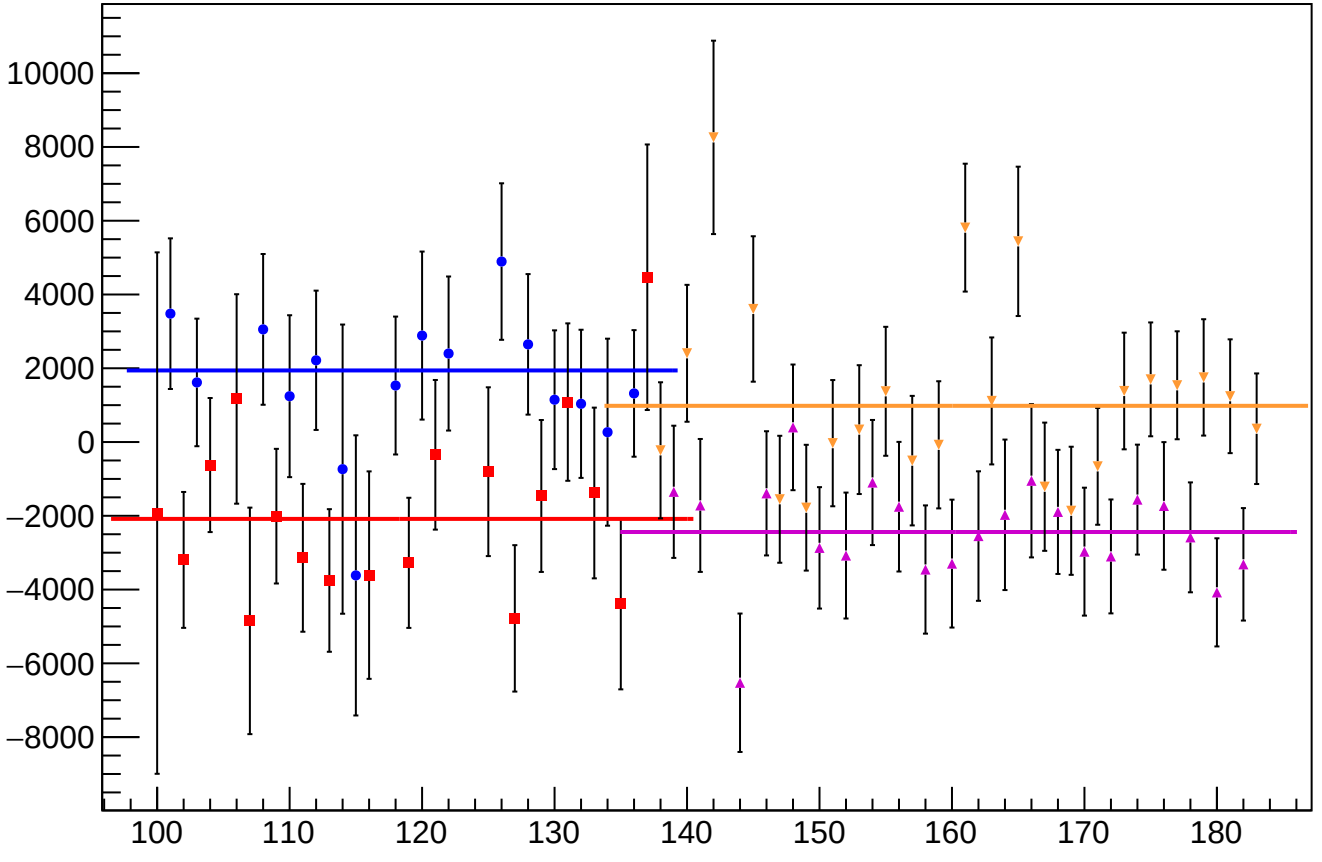
Left In: 0.000+/-0.000 χ^2/NDF:2309391.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 7008247.8/38

All: 0.000+/-0.000 χ^2/NDF: 12742653.8/78

- sign 0.000+/-0.000 χ^2/NDF: 5715708.0/39

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 981.991+/-356.810 χ^2/NDF:35.8/22

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

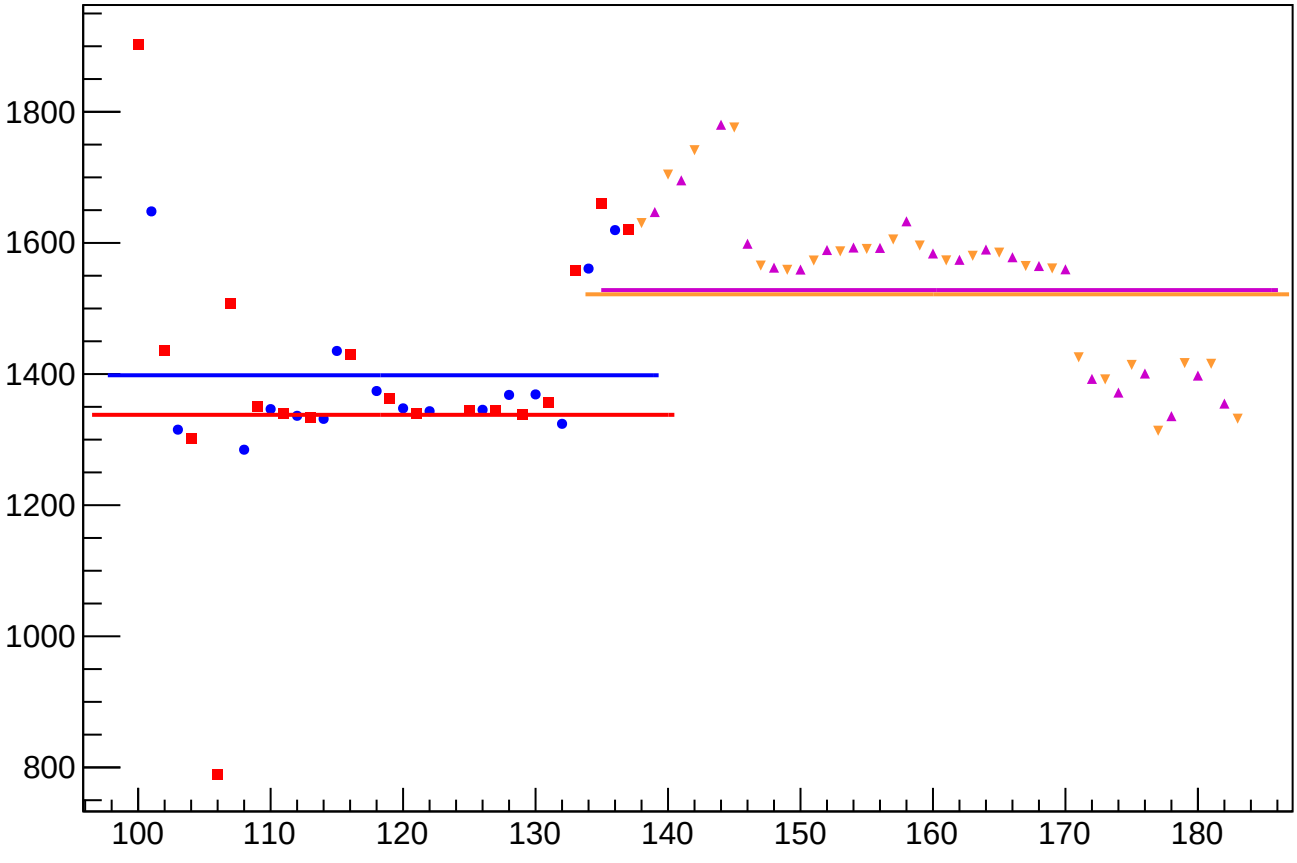
Left In: -2439.228+/-360.855 χ^2/NDF:13.0/21

+ sign 1287.236+/-294.601 χ^2/NDF: 45.0/38

All: -507.281+/-208.943 χ^2/NDF: 147.4/78

- sign -2323.624+/-296.387 χ^2/NDF: 27.8/39

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1521.648+/-0.252 χ^2/NDF:221616.7/22

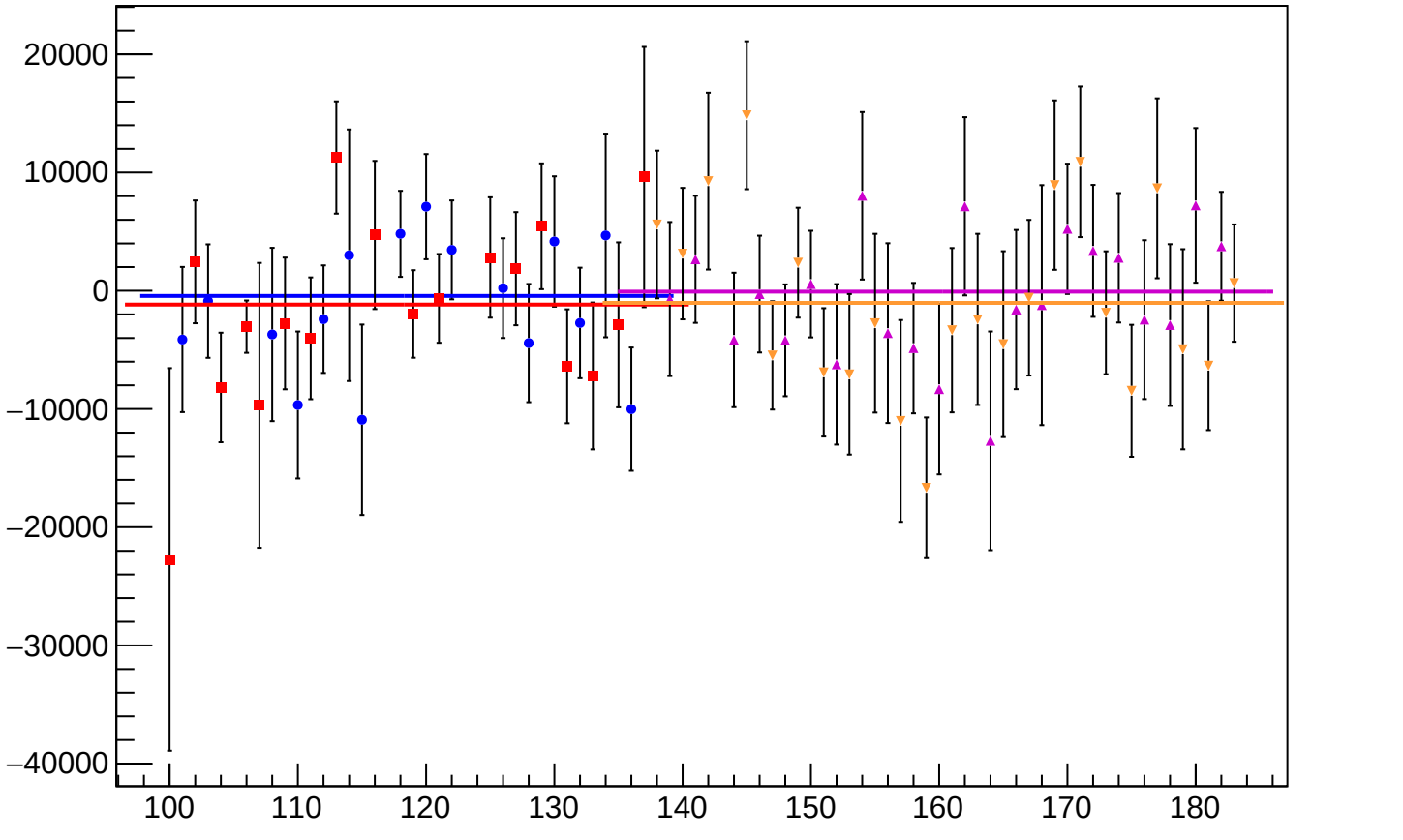
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1528.069+/-0.255 χ^2/NDF:213951.6/21

+ sign 1482.342+/-0.208 χ^2/NDF: 391789.4/38

All: 1472.868+/-0.147 χ^2/NDF: 1116356.0/78

- sign 1463.479+/-0.207 χ^2/NDF: 720448.5/39



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1028.193+/-1282.063 χ^2/NDF:32.3/22

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

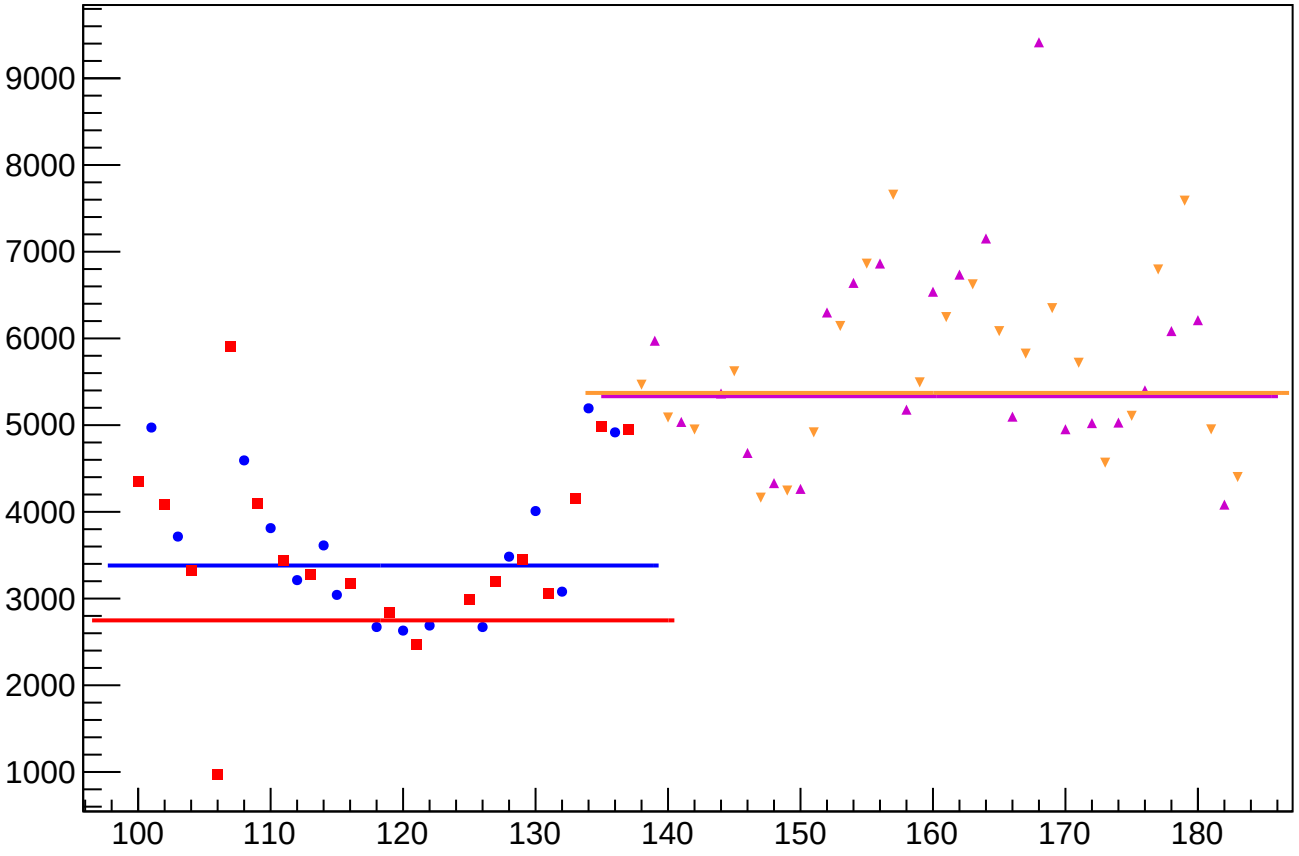
Left In: -78.585+/-1281.879 χ^2/NDF:12.6/21

+ sign -737.820+/-911.414 χ^2/NDF: 48.3/38

All: -716.610+/-619.014 χ^2/NDF: 81.0/78

- sign -698.449+/-843.375 χ^2/NDF: 32.7/39

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5371.499+/-0.907 χ^2/NDF:1042371.1/22

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

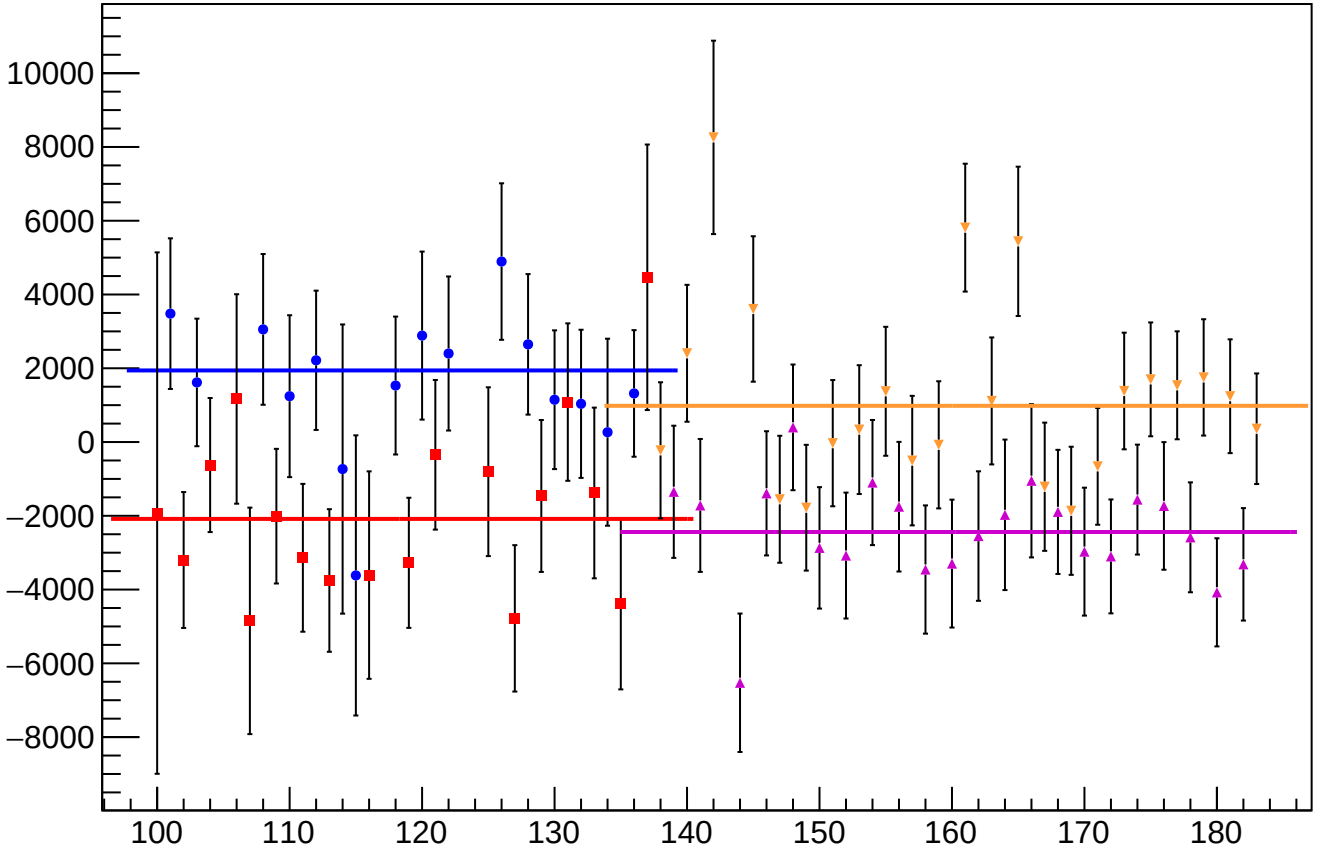
Left In: 5333.658+/-0.906 χ^2/NDF:1211978.9/21

+ sign 4387.003+/-0.644 χ^2/NDF: 4183820.1/38

All: 4107.106+/-0.438 χ^2/NDF: 12624142.7/7

- sign 3867.438+/-0.596 χ^2/NDF: 8090185.4/39

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 982.014+/-356.810 χ^2/NDF:35.8/22

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

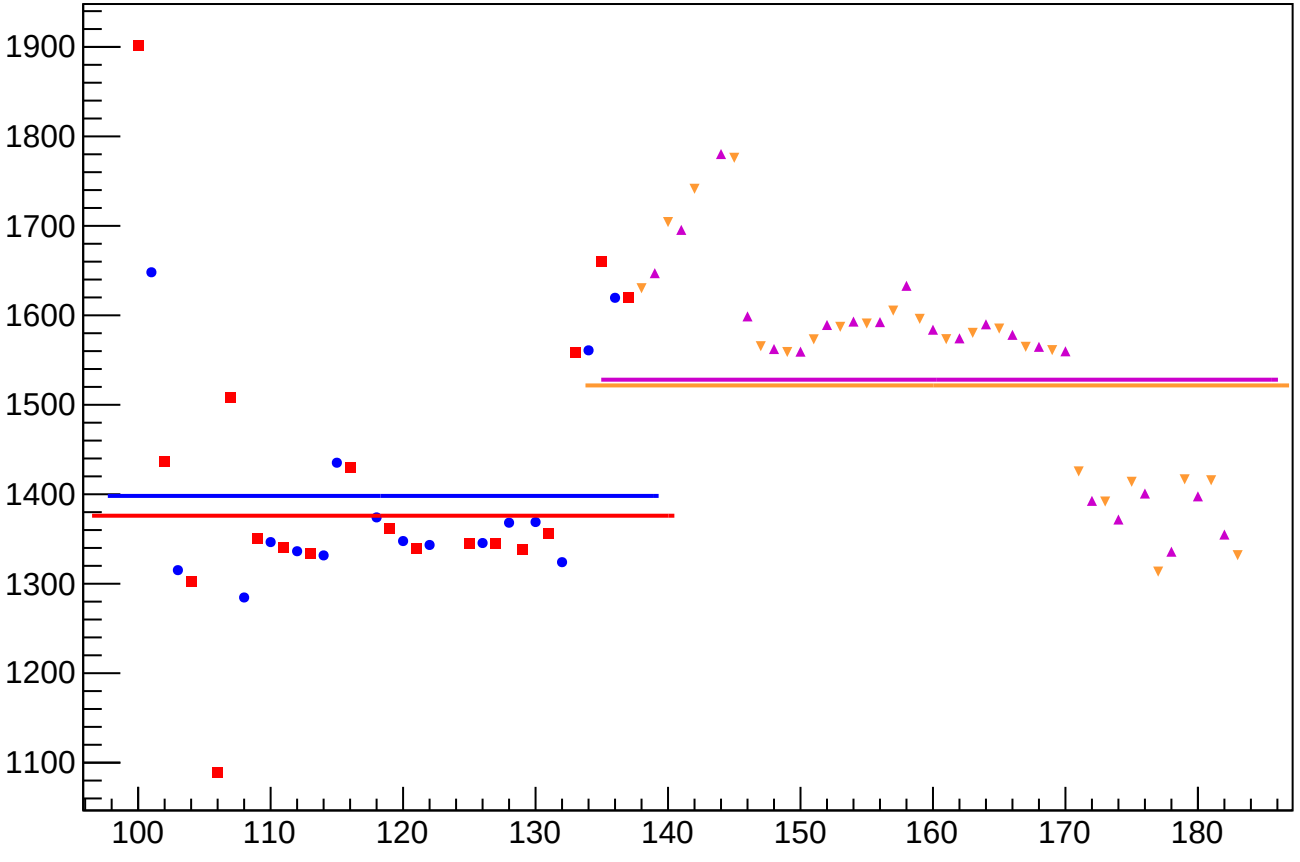
Left In: -2439.209+/-360.855 χ^2/NDF:13.0/21

+ sign 1287.269+/-294.601 χ^2/NDF: 45.0/38

All: -507.289+/-208.943 χ^2/NDF: 147.4/78

- sign -2323.682+/-296.387 χ^2/NDF: 27.8/39

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1521.648+/-0.252 χ^2/NDF:221616.7/22

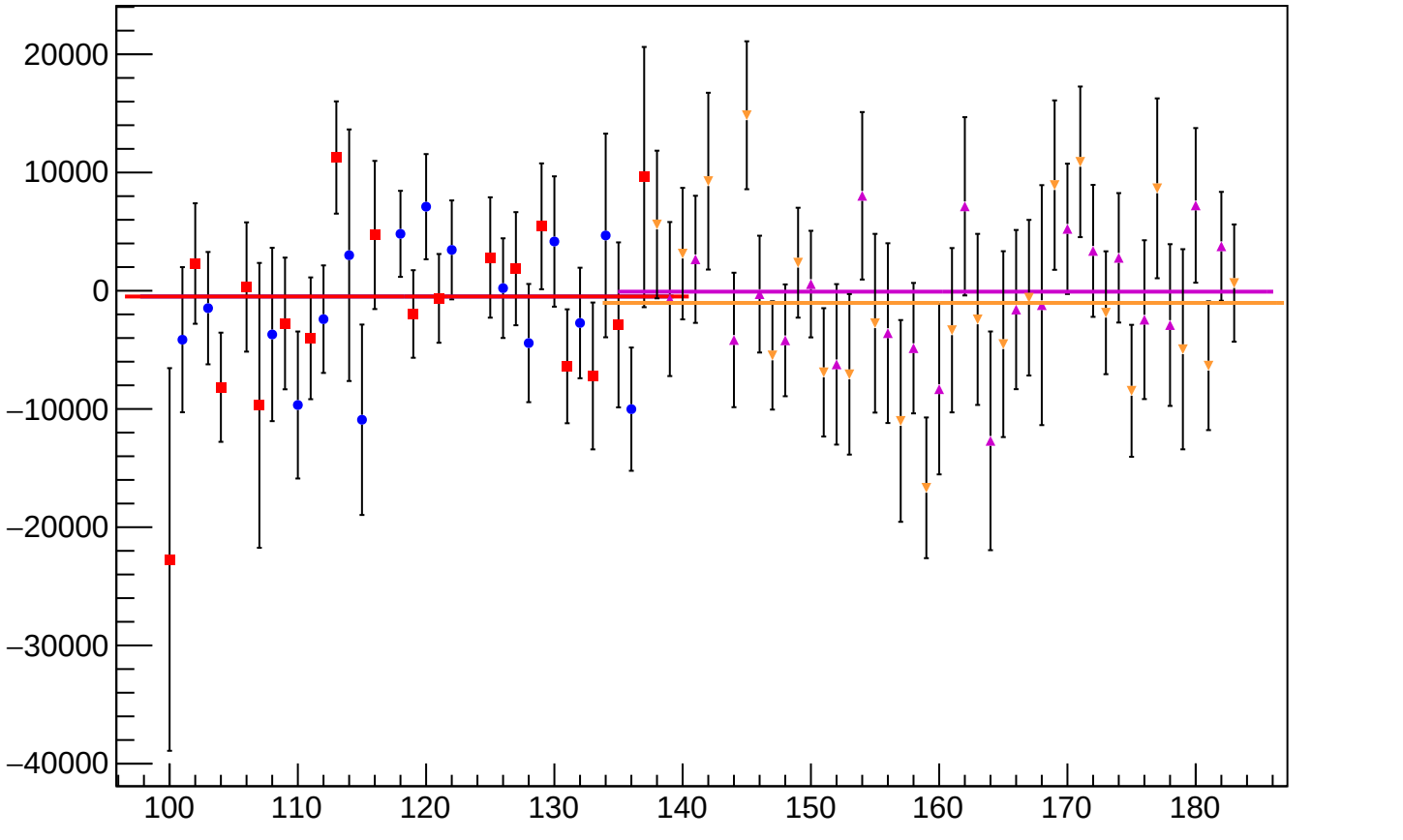
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1528.069+/-0.255 χ^2/NDF:213951.6/21

+ sign 1482.342+/-0.208 χ^2/NDF: 391789.5/38

All: 1480.023+/-0.147 χ^2/NDF: 837657.0/78

- sign 1477.697+/-0.209 χ^2/NDF: 445619.2/39



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1028.192+/-1282.064 χ^2/NDF:32.3/22

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

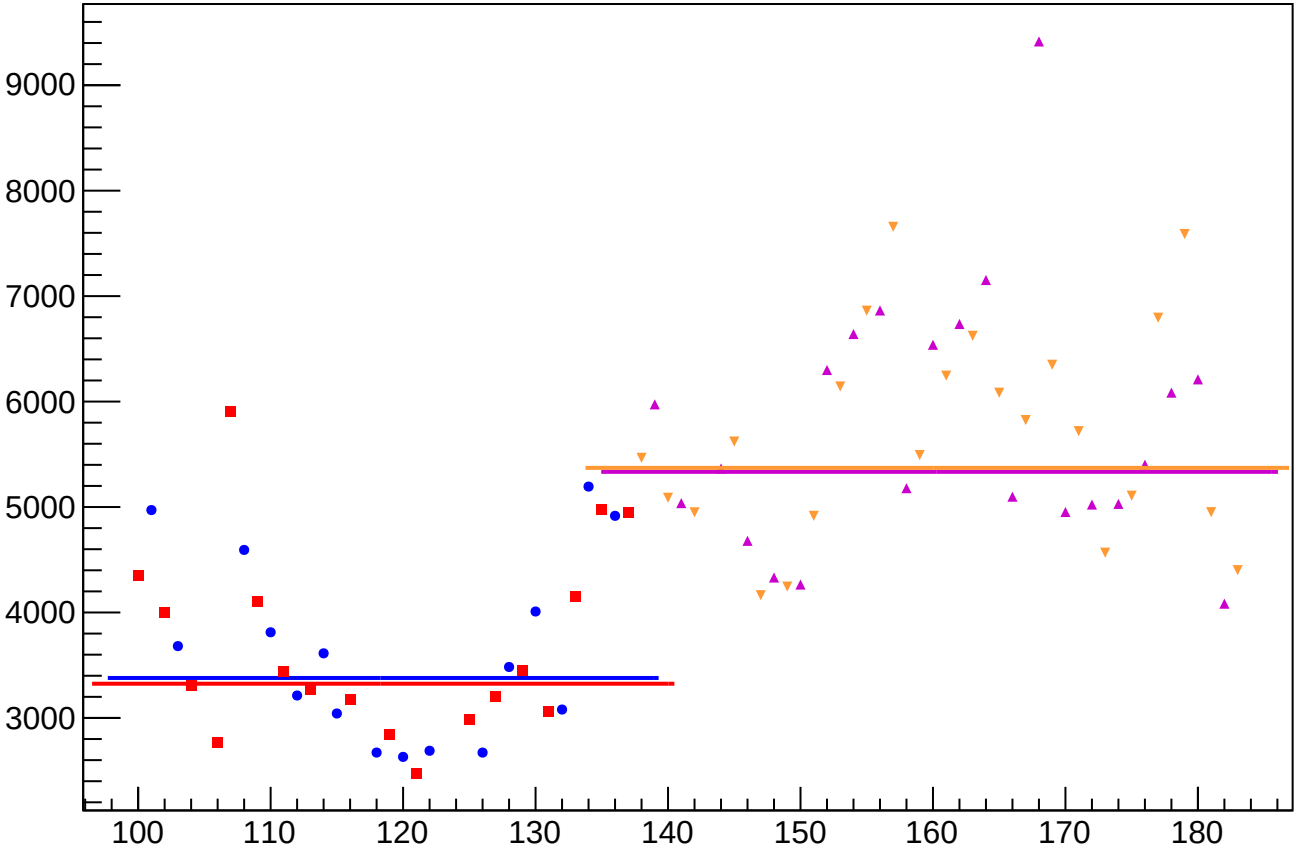
Left In: -78.667+/-1281.877 χ^2/NDF:12.6/21

+ sign -760.081+/-911.071 χ^2/NDF: 48.3/38

All: -520.375+/-639.938 χ^2/NDF: 79.9/78

- sign -286.944+/-899.066 χ^2/NDF: 31.4/39

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5371.504+/-0.907 χ^2/NDF:1042366.0/22

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

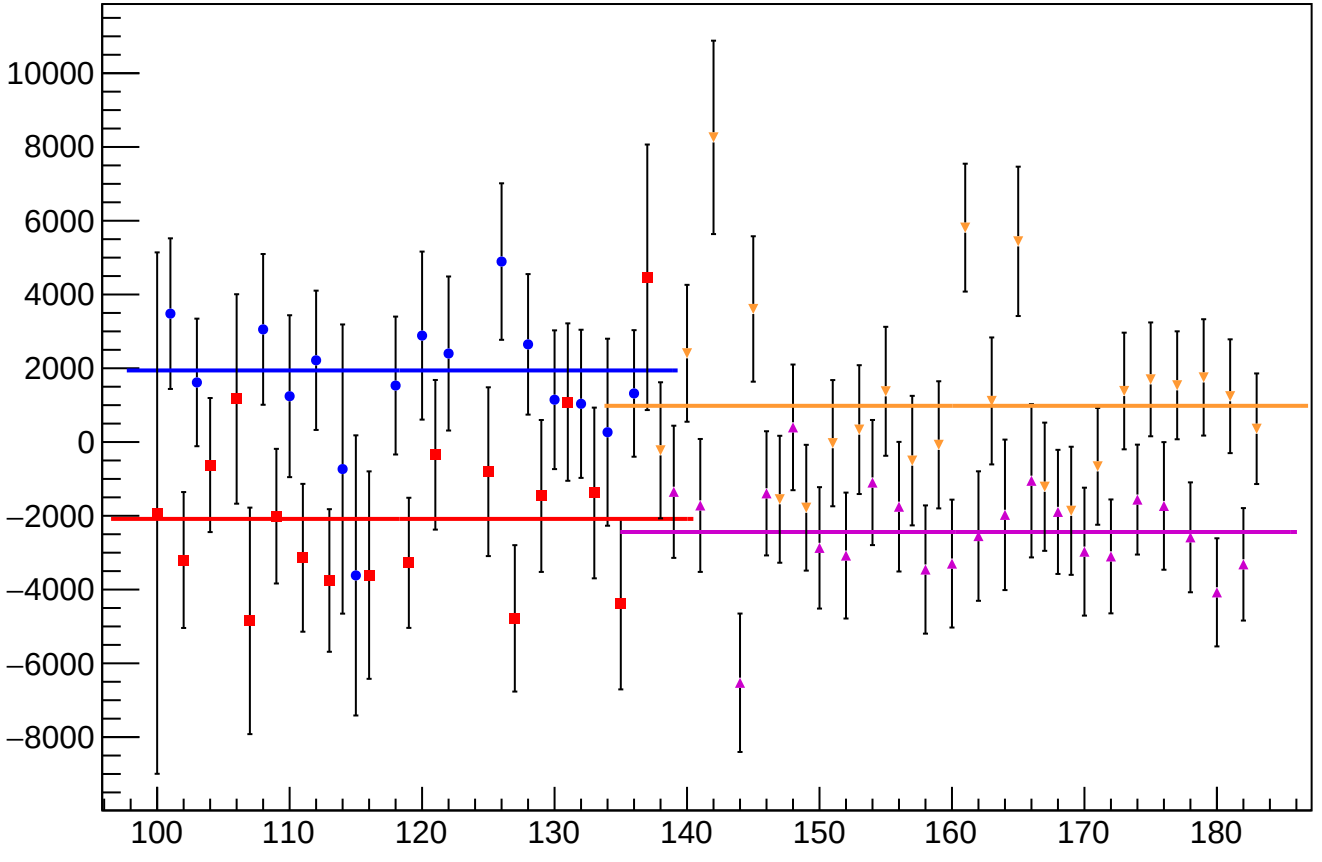
Left In: 5333.652+/-0.906 χ^2/NDF:1211991.0/21

+ sign 4385.254+/-0.644 χ^2/NDF: 4188666.2/38

All: 4348.550+/-0.453 χ^2/NDF: 8447313.3/78

- sign 4312.807+/-0.636 χ^2/NDF: 4252240.0/39

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 982.014+/-356.810 χ^2/NDF:35.8/22

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

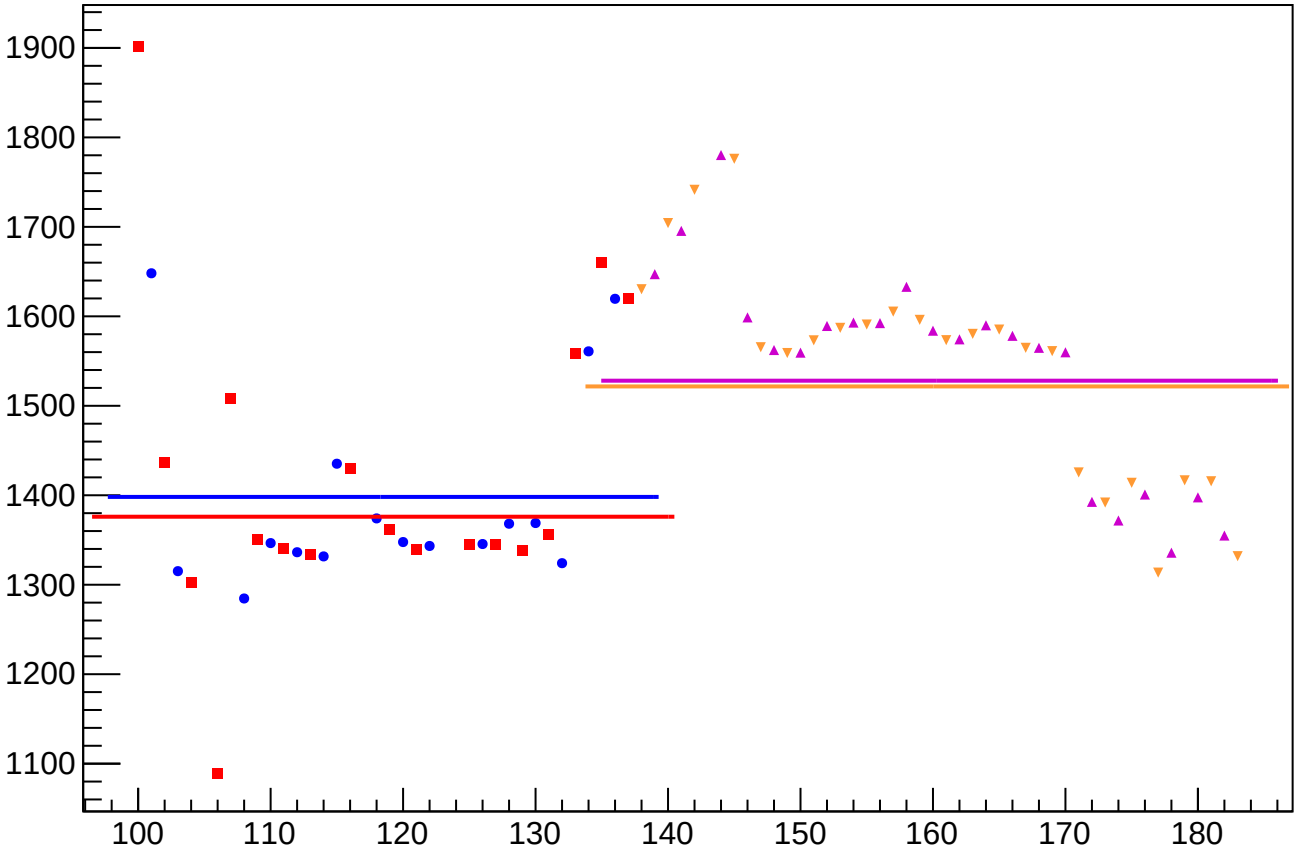
Left In: -2439.209+/-360.855 χ^2/NDF:13.0/21

+ sign 1287.269+/-294.601 χ^2/NDF: 45.0/38

All: -507.289+/-208.943 χ^2/NDF: 147.4/78

- sign -2323.682+/-296.387 χ^2/NDF: 27.8/39

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1521.648+/-0.252 χ^2/NDF:221616.7/22

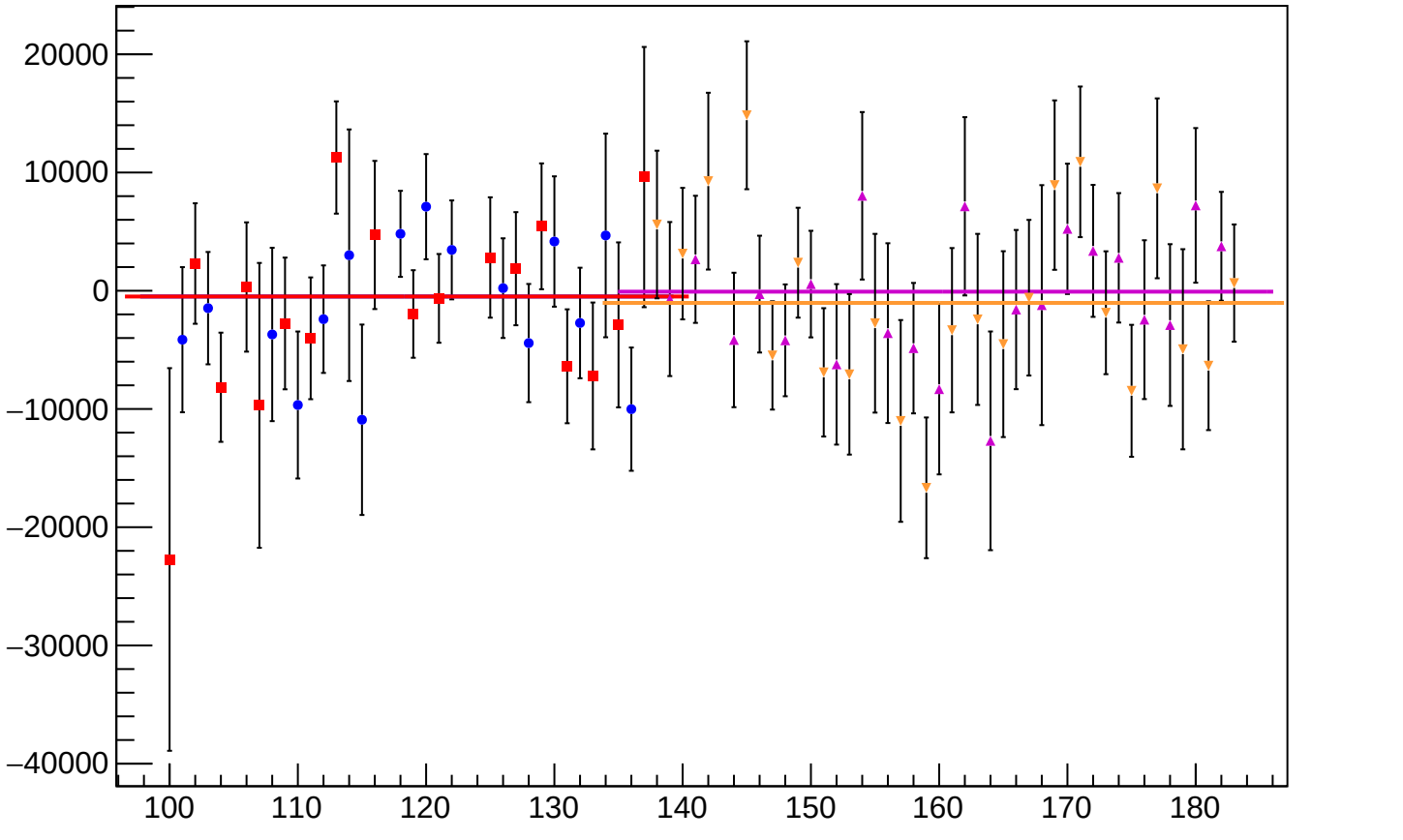
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1528.069+/-0.255 χ^2/NDF:213951.6/21

+ sign 1482.342+/-0.208 χ^2/NDF: 391789.5/38

All: 1480.023+/-0.147 χ^2/NDF: 837657.0/78

- sign 1477.697+/-0.209 χ^2/NDF: 445619.2/39



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1028.192+/-1282.064 χ^2/NDF:32.3/22

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

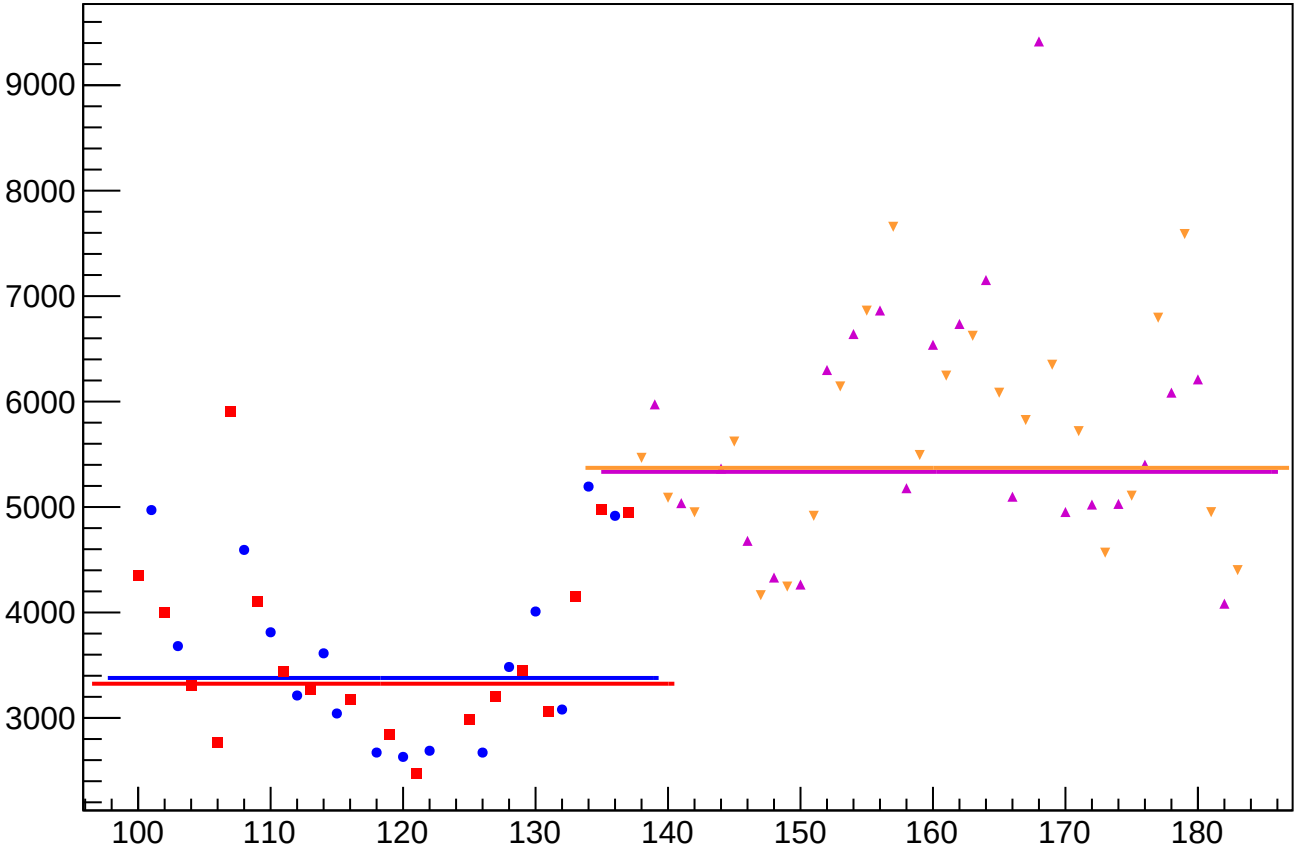
Left In: -78.667+/-1281.877 χ^2/NDF:12.6/21

+ sign -760.081+/-911.071 χ^2/NDF: 48.3/38

All: -520.375+/-639.938 χ^2/NDF: 79.9/78

- sign -286.944+/-899.066 χ^2/NDF: 31.4/39

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5371.504+/-0.907 χ^2/NDF:1042366.0/22

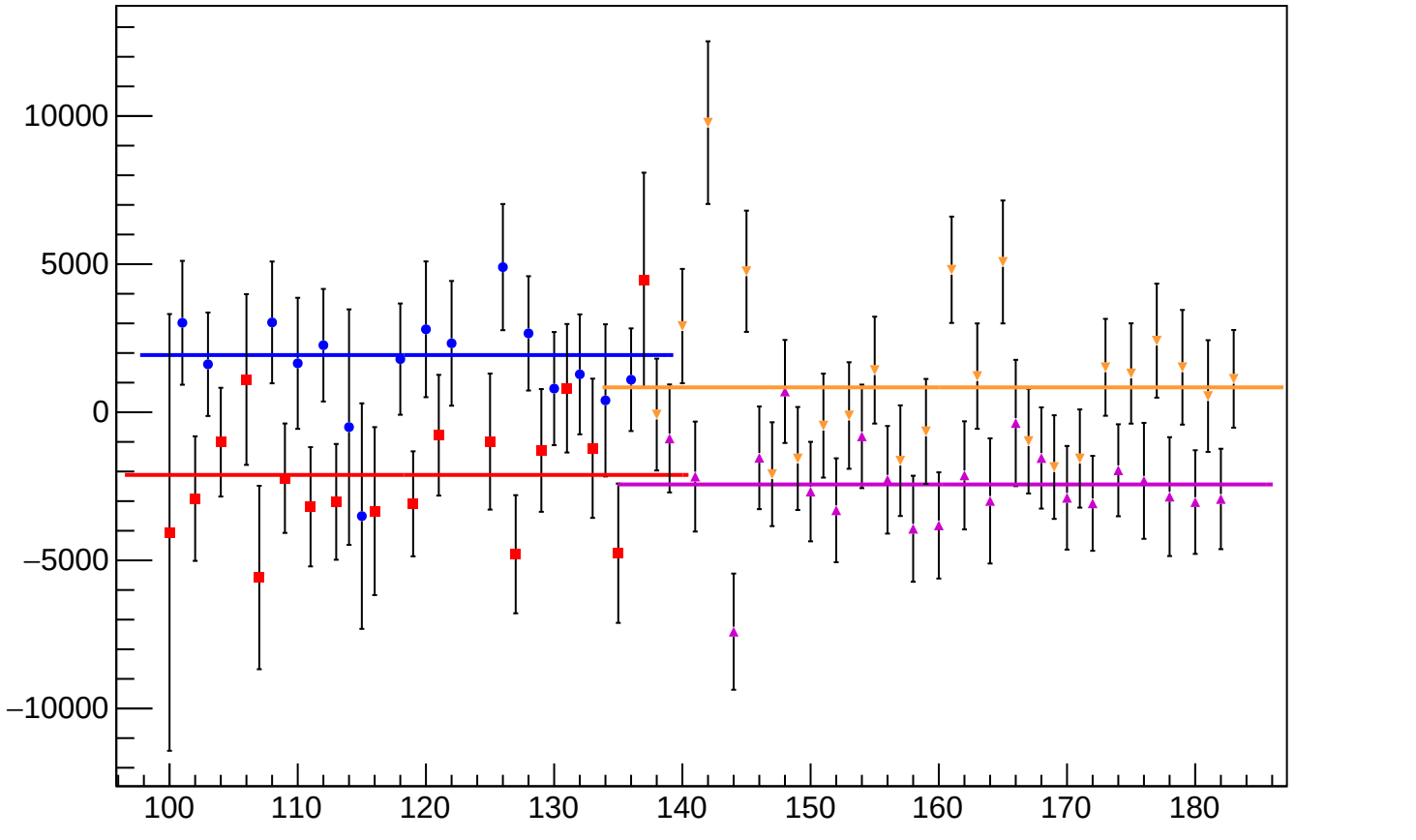
Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5333.652+/-0.906 χ^2/NDF:1211991.0/21

+ sign 4385.254+/-0.644 χ^2/NDF: 4188666.2/38

All: 4348.550+/-0.453 χ^2/NDF: 8447313.3/78

- sign 4312.807+/-0.636 χ^2/NDF: 4252240.0/39



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 840.467+/-380.642 χ^2/NDF:39.4/22

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

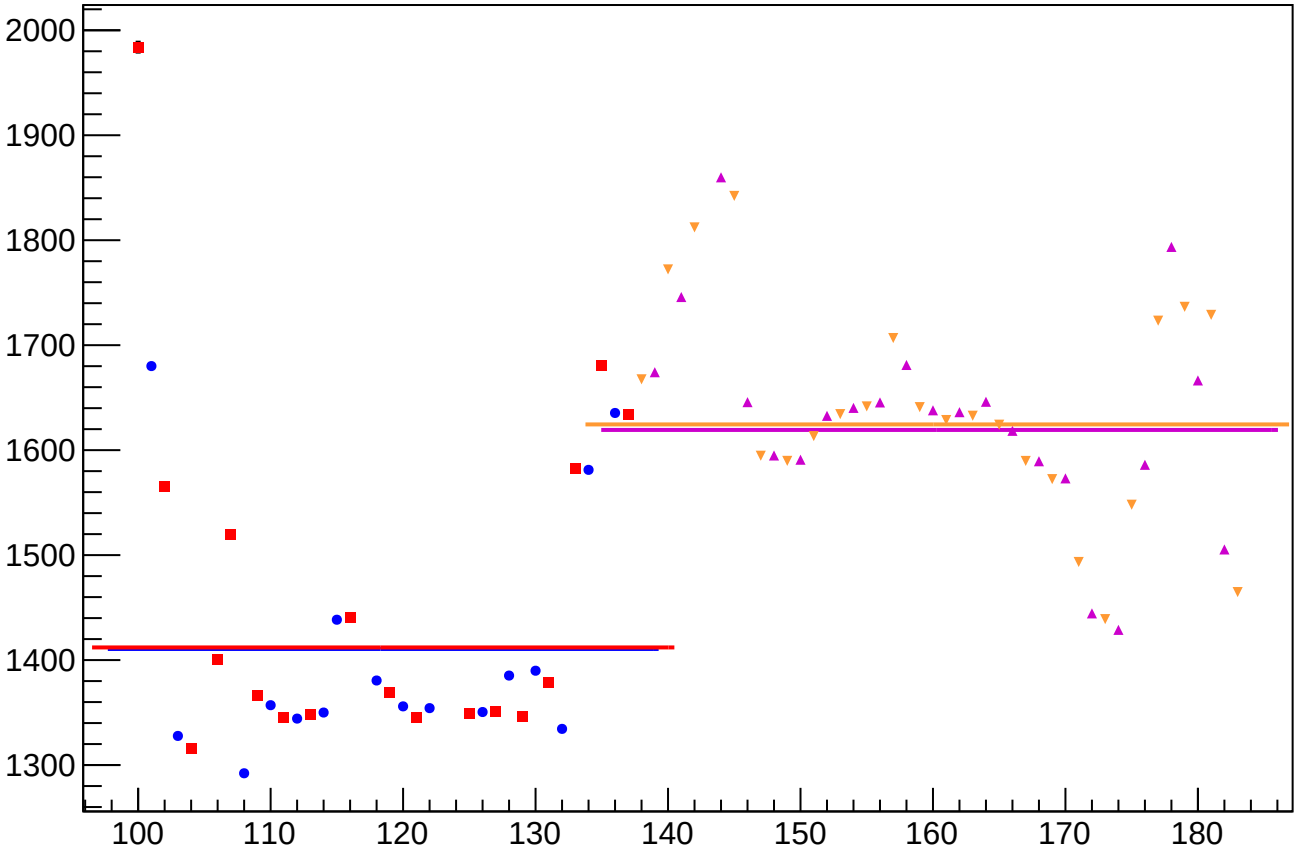
Left In: -2436.944+/-382.025 χ^2/NDF:15.0/21

+ sign 1214.399+/-308.597 χ^2/NDF: 48.6/38

All: -549.969+/-218.589 χ^2/NDF: 142.7/78

- sign -2326.606+/-309.669 χ^2/NDF: 28.5/39

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.515+/-0.269 χ^2/NDF:132271.4/22

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

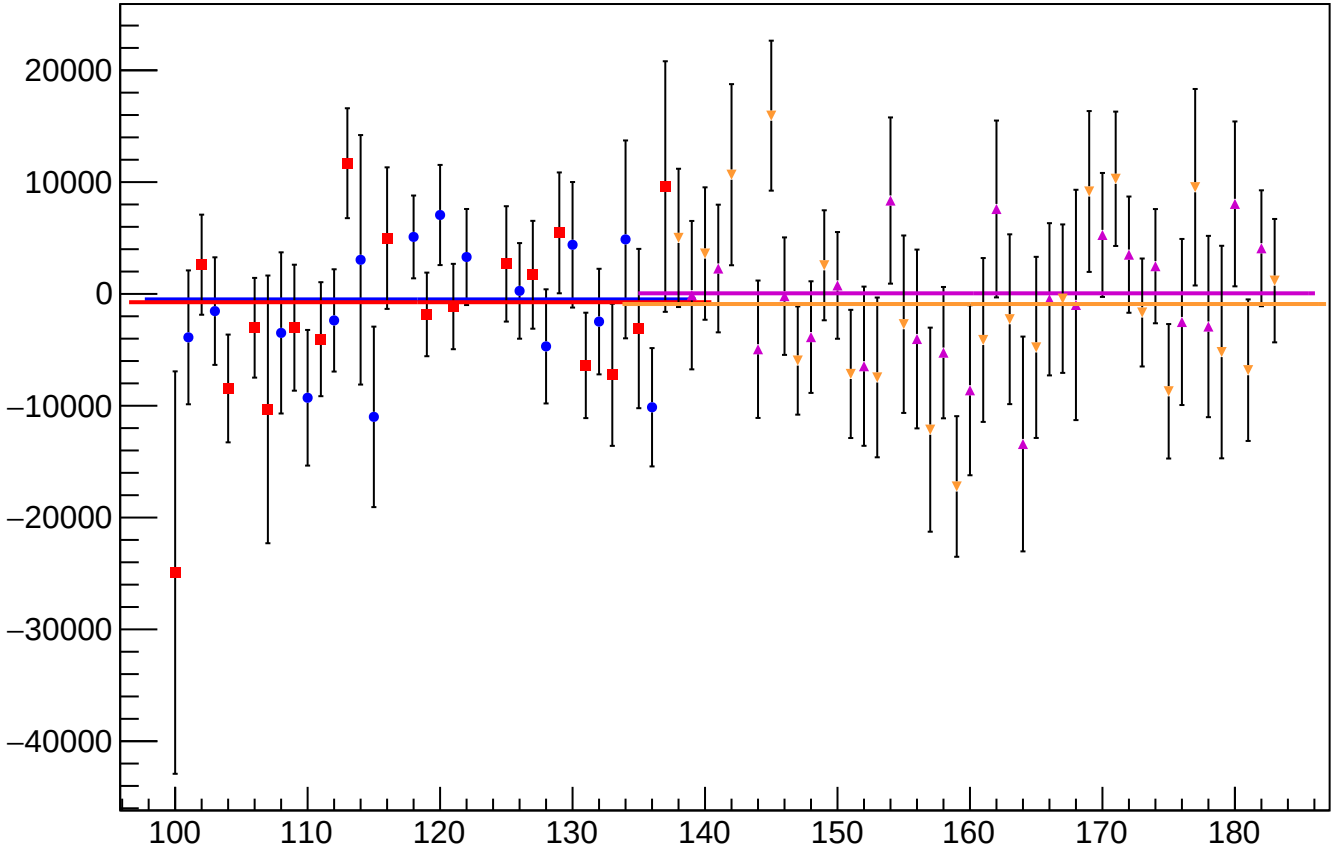
Left In: 1619.247+/-0.270 χ^2/NDF:128696.9/21

+ sign 1551.201+/-0.218 χ^2/NDF: 447911.6/38

All: 1549.576+/-0.154 χ^2/NDF: 868891.1/78

- sign 1547.942+/-0.219 χ^2/NDF: 420868.3/39

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -902.920+/-1345.104 χ^2/NDF:32.0/22

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

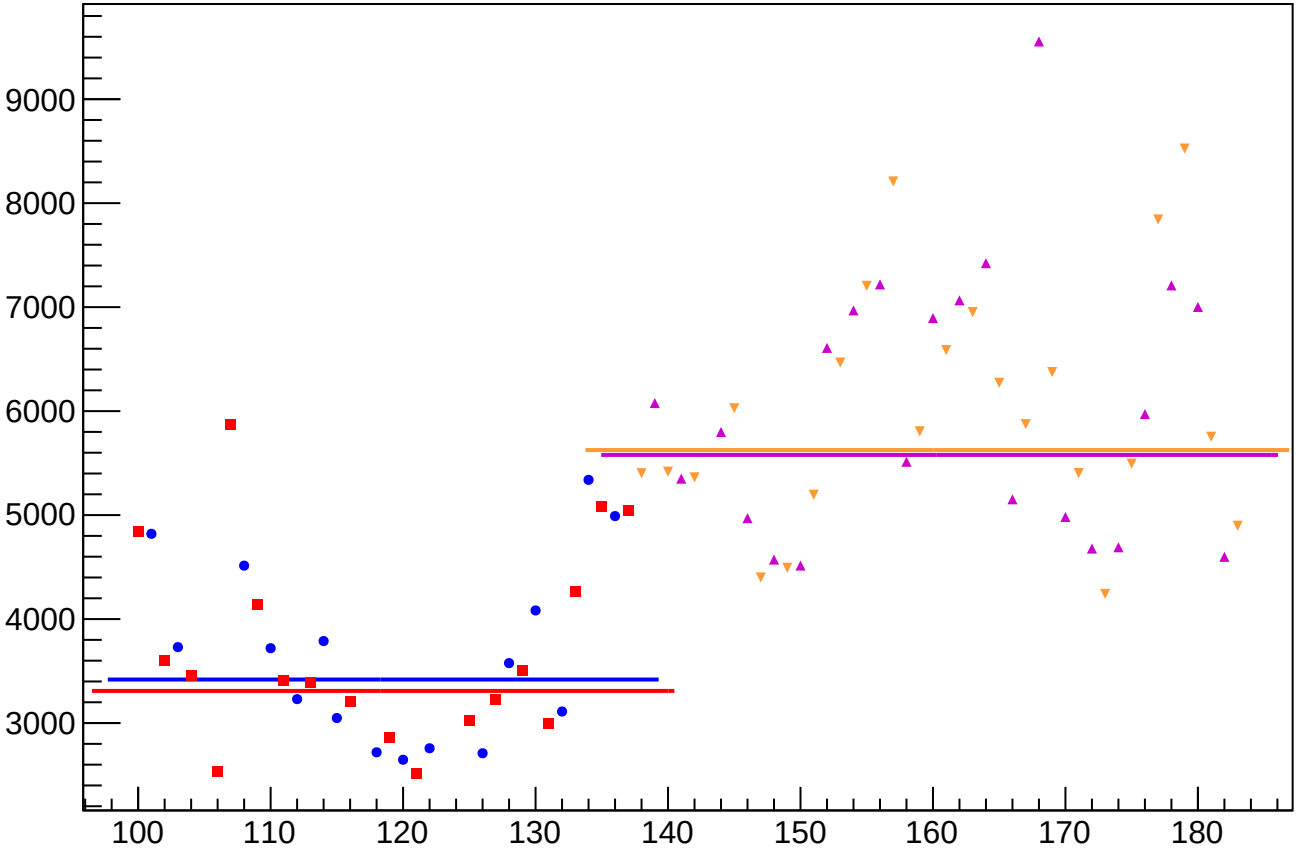
Left In: 54.778+/-1342.767 χ^2/NDF:12.4/21

+ sign -690.488+/-937.993 χ^2/NDF: 47.9/38

All: -527.128+/-654.657 χ^2/NDF: 79.7/78

- sign -371.978+/-914.117 χ^2/NDF: 31.8/39

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5625.568+/-0.951 χ^2/NDF:1178426.0/22

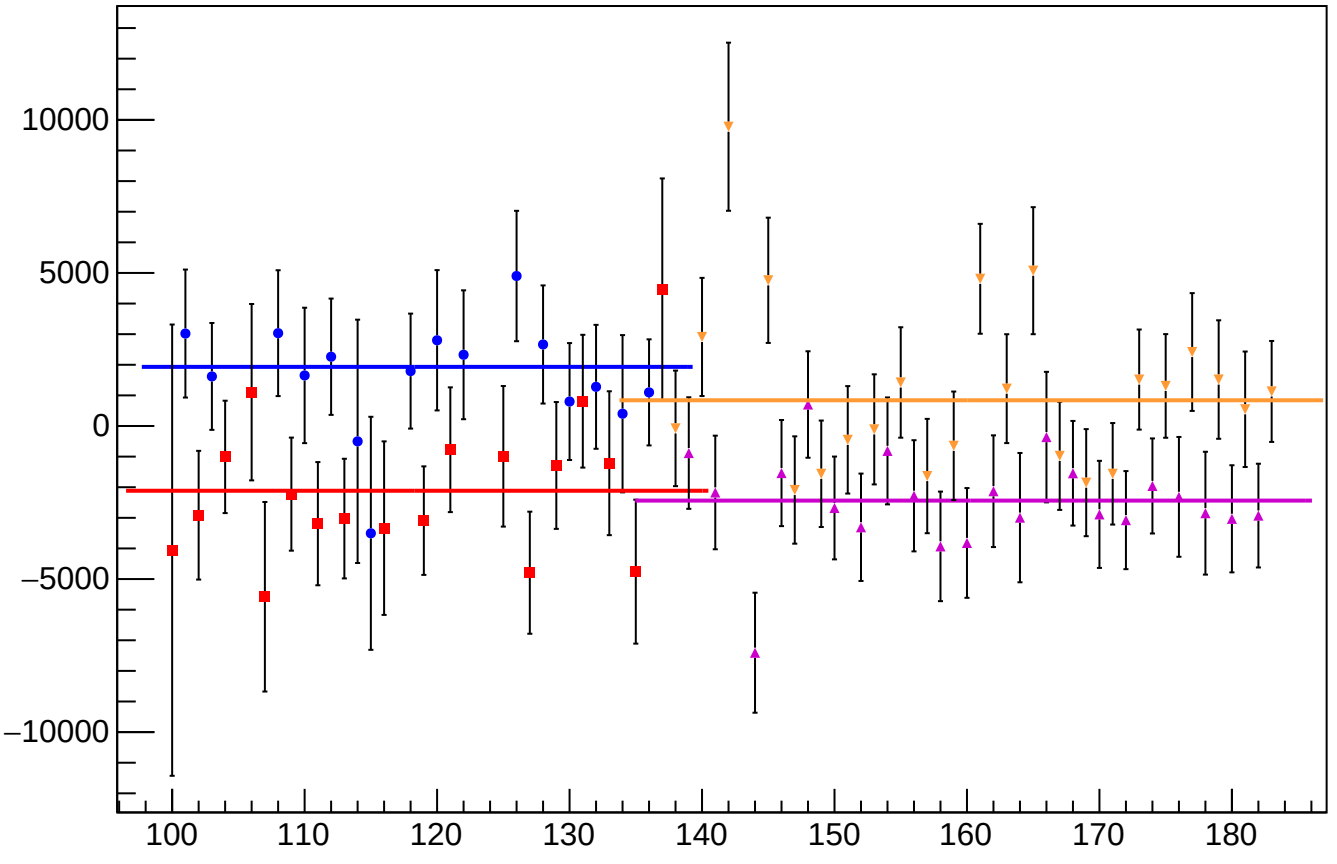
Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5578.728+/-0.949 χ^2/NDF:1307387.5/21

+ sign 4491.860+/-0.663 χ^2/NDF: 4665281.4/38

All: 4424.725+/-0.463 χ^2/NDF: 9630388.3/78

- sign 4360.964+/-0.646 χ^2/NDF: 4945130.9/39



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 840.462+/-380.643 χ^2/NDF:39.4/22

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

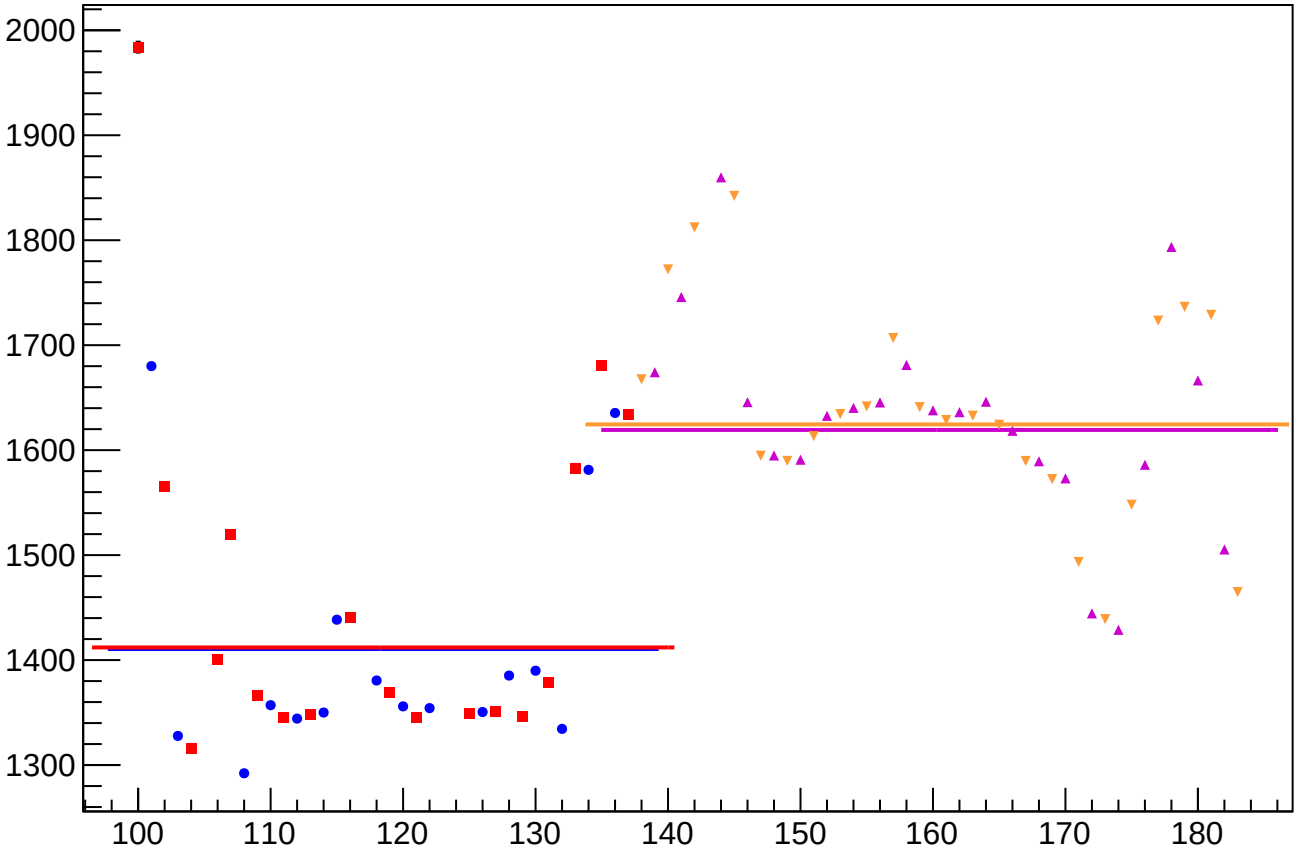
Left In: -2436.944+/-382.025 χ^2/NDF:15.0/21

+ sign 1214.396+/-308.598 χ^2/NDF: 48.6/38

All: -549.970+/-218.589 χ^2/NDF: 142.7/78

- sign -2326.606+/-309.669 χ^2/NDF: 28.5/39

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.517+/-0.269 χ^2/NDF:132276.5/22

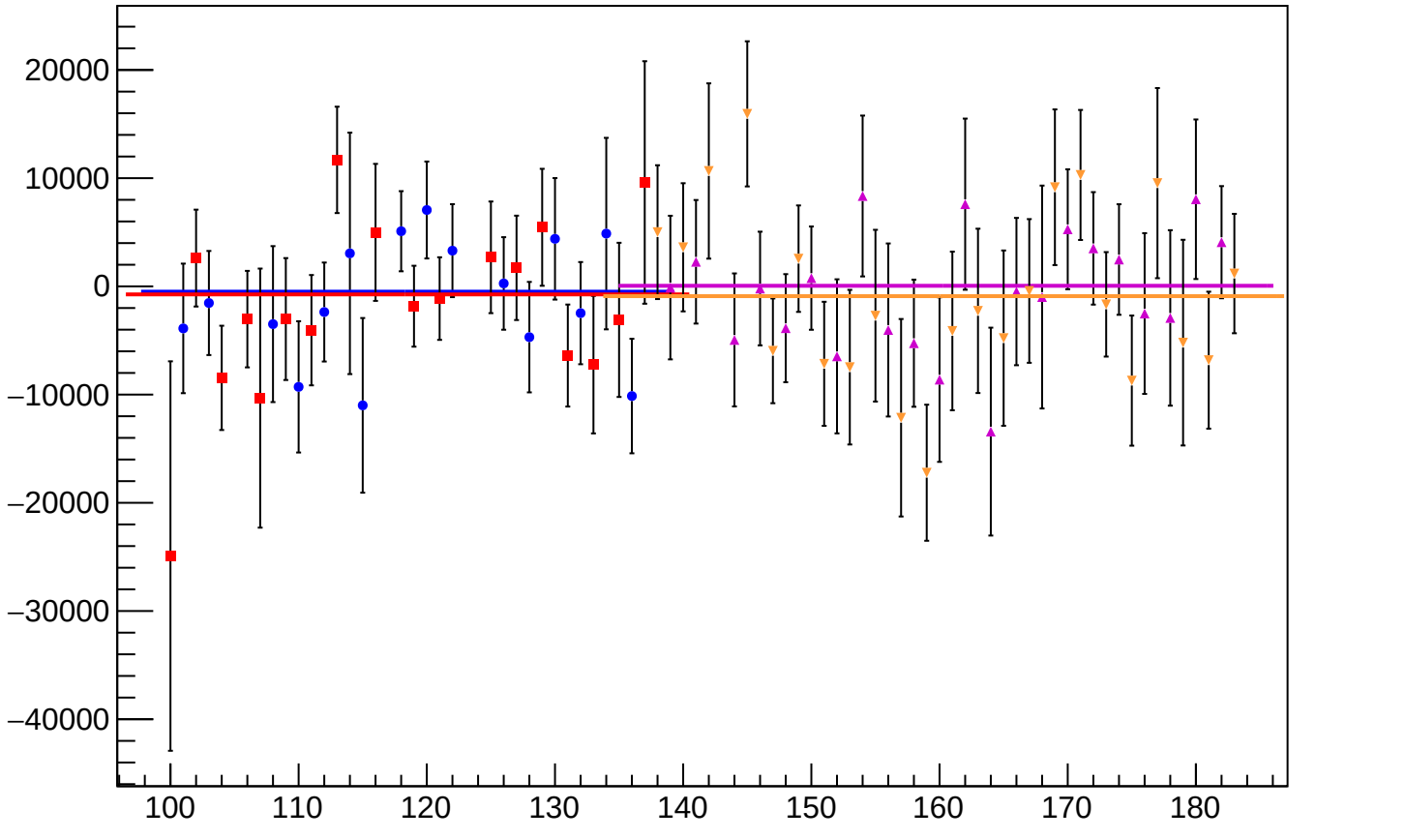
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1619.248+/-0.270 χ^2/NDF:128701.9/21

\+ sign 1551.201+/-0.218 χ^2/NDF: 447919.0/38

All: 1549.576+/-0.154 χ^2/NDF: 868906.2/78

\- sign 1547.943+/-0.219 χ^2/NDF: 420876.0/39



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -902.926+/-1345.106 χ^2/NDF:32.0/22

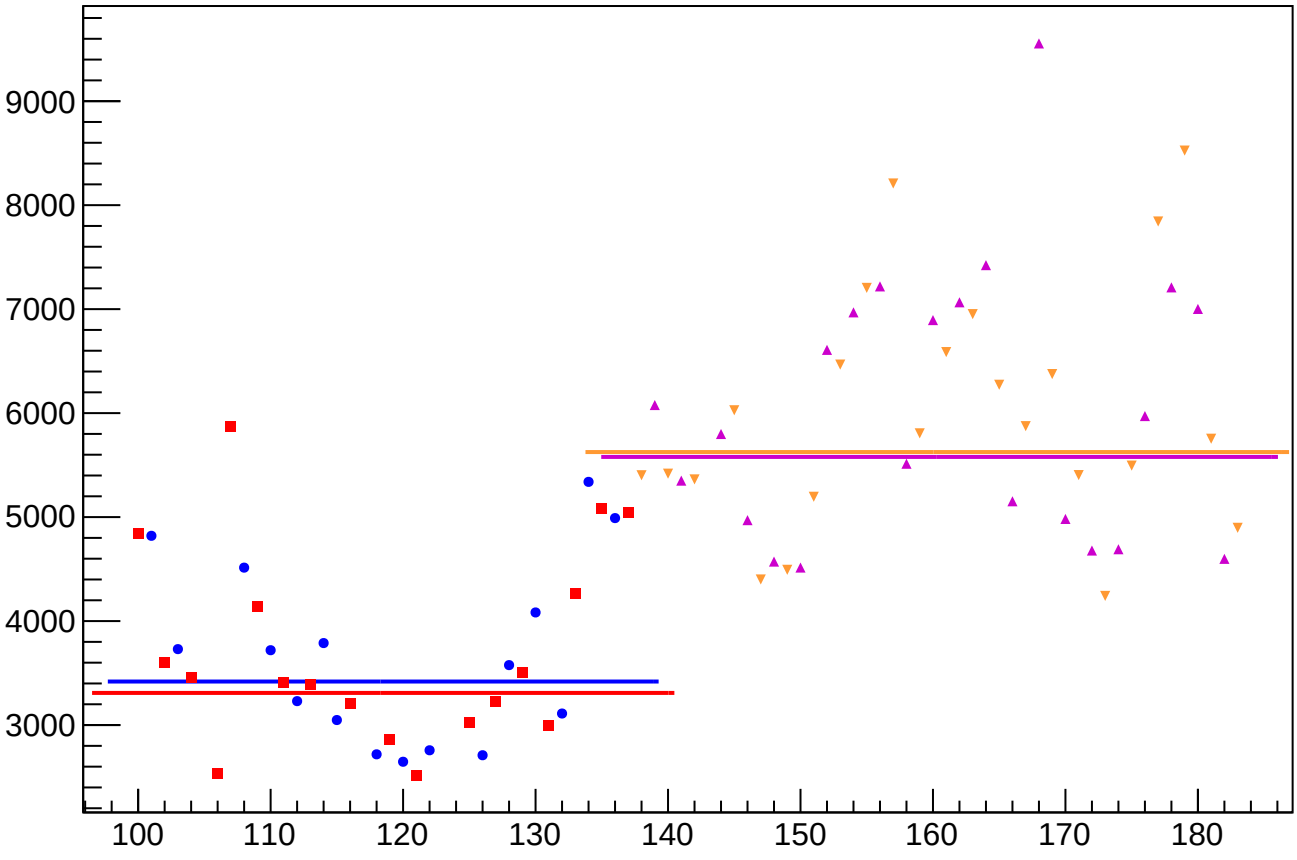
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 54.779+/-1342.769 χ^2/NDF:12.4/21

+ sign -690.487+/-937.993 χ^2/NDF: 47.9/38

All: -527.129+/-654.656 χ^2/NDF: 79.7/78

- sign -371.981+/-914.116 χ^2/NDF: 31.8/39



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5625.576+/-0.951 χ^2/NDF:1178426.9/22

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

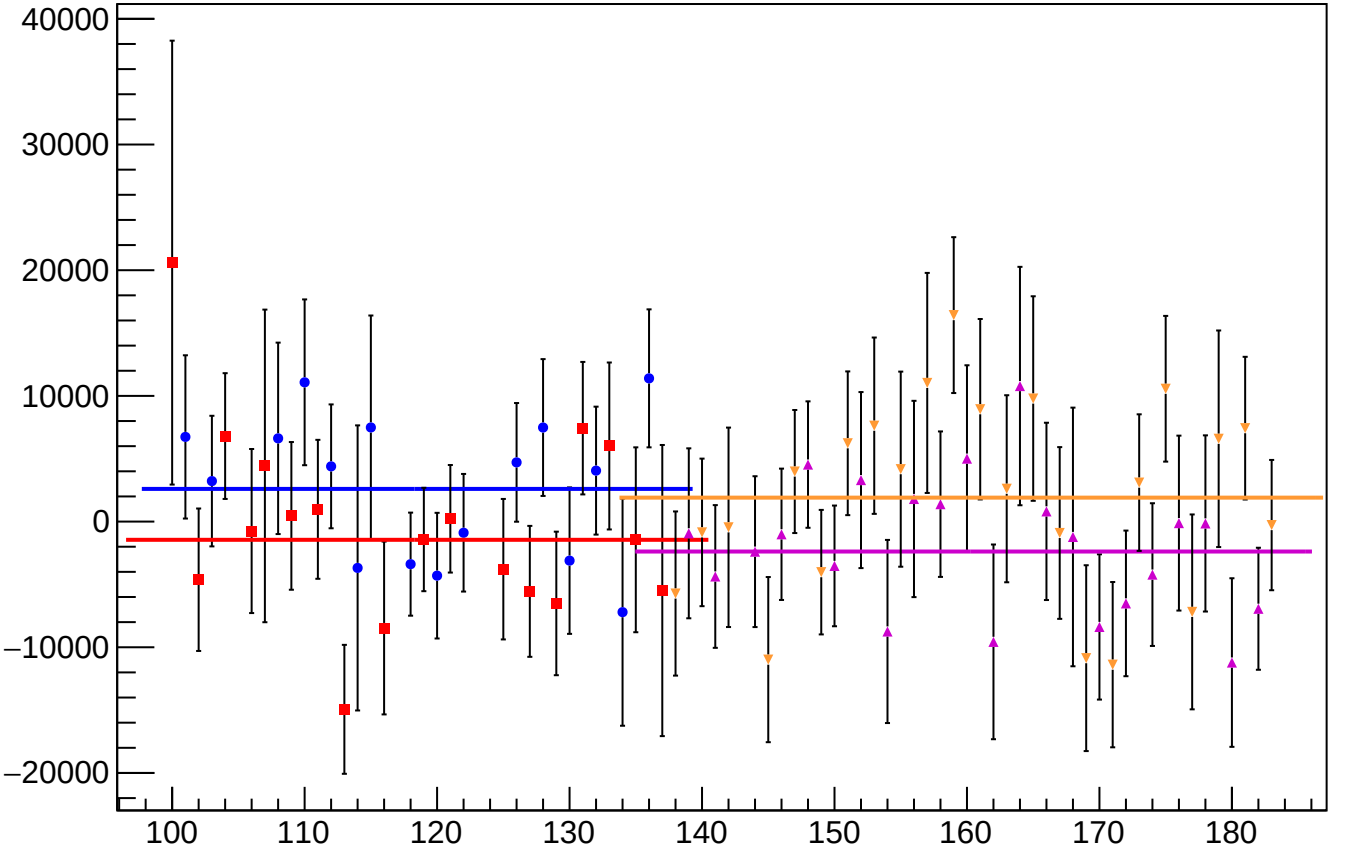
Left In: 5578.736+/-0.949 χ^2/NDF:1307389.4/21

+ sign 4491.854+/-0.663 χ^2/NDF: 4665344.8/38

All: 4424.718+/-0.463 χ^2/NDF: 9630509.8/78

- sign 4360.957+/-0.646 χ^2/NDF: 4945189.0/39

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1905.453+/-1338.753 χ^2/NDF:29.3/22

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

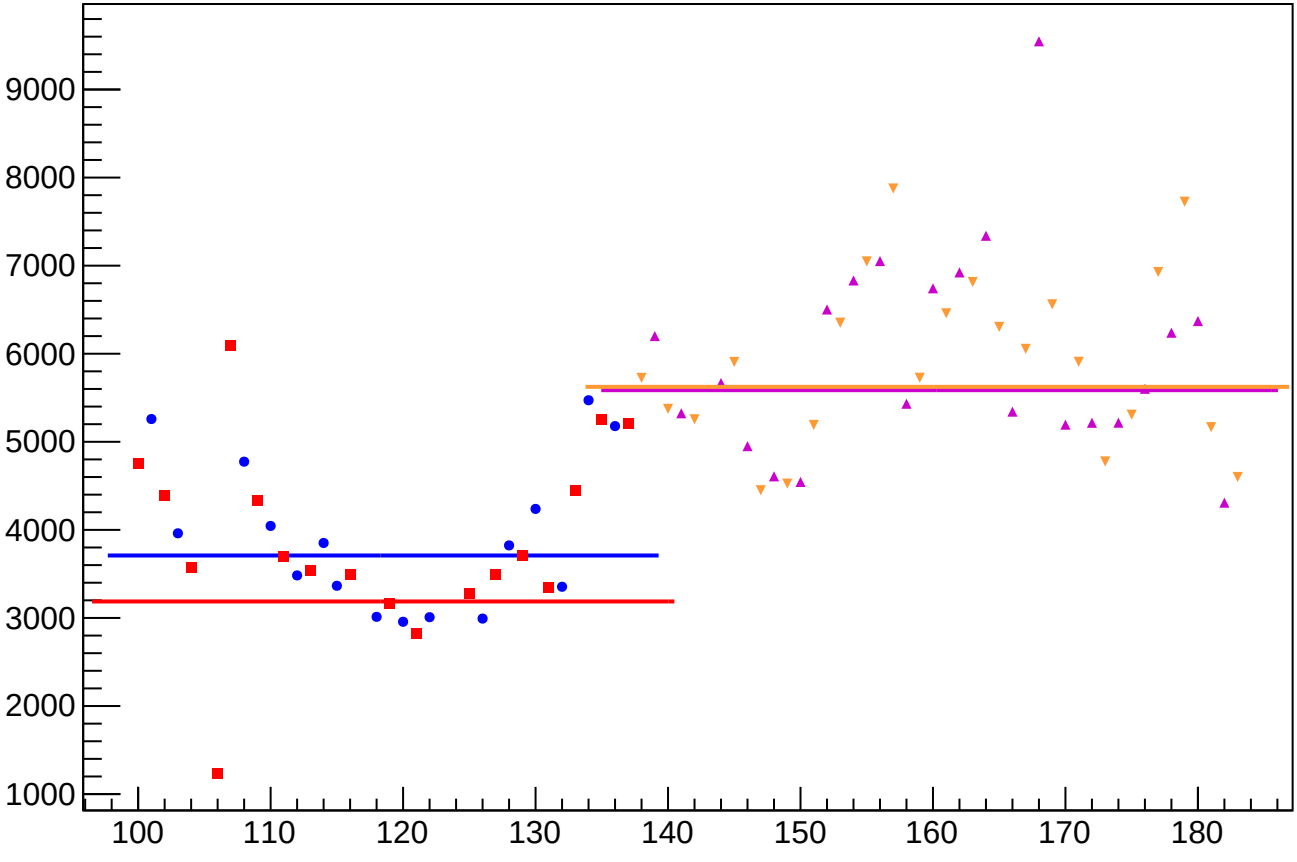
Left In: -2382.769+/-1339.195 χ^2/NDF:12.8/21

+ sign 2233.454+/-972.317 χ^2/NDF: 42.9/38

All: 128.762+/-683.857 χ^2/NDF: 84.2/78

- sign -1931.531+/-962.006 χ^2/NDF: 32.1/39

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5623.884+/-0.947 χ^2/NDF:916020.7/22

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

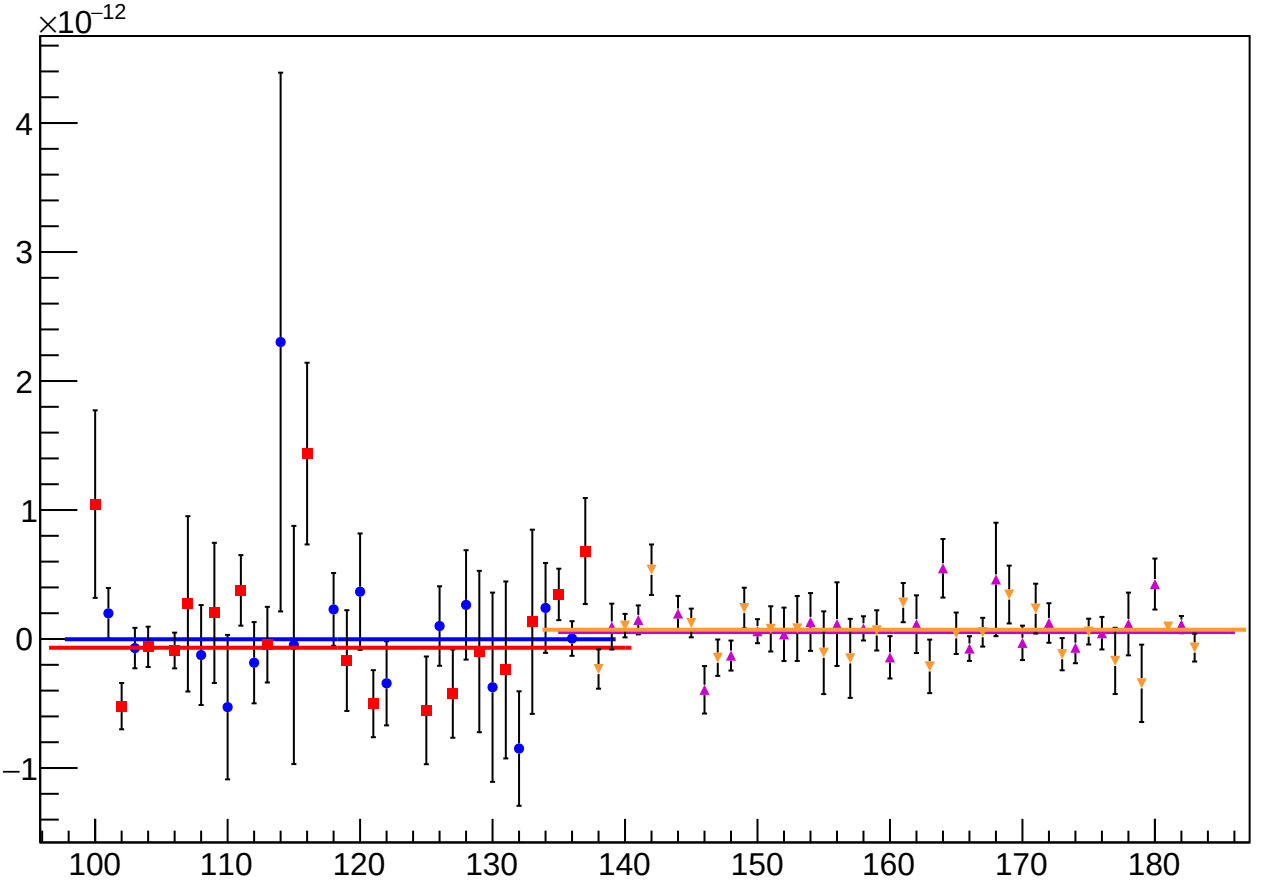
Left In: 5586.155+/-0.947 χ^2/NDF:1069412.1/21

+ sign 4719.154+/-0.688 χ^2/NDF: 3459762.2/38

All: 4508.495+/-0.473 χ^2/NDF: 9705737.1/78

- sign 4319.818+/-0.651 χ^2/NDF: 6068010.1/39

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/22

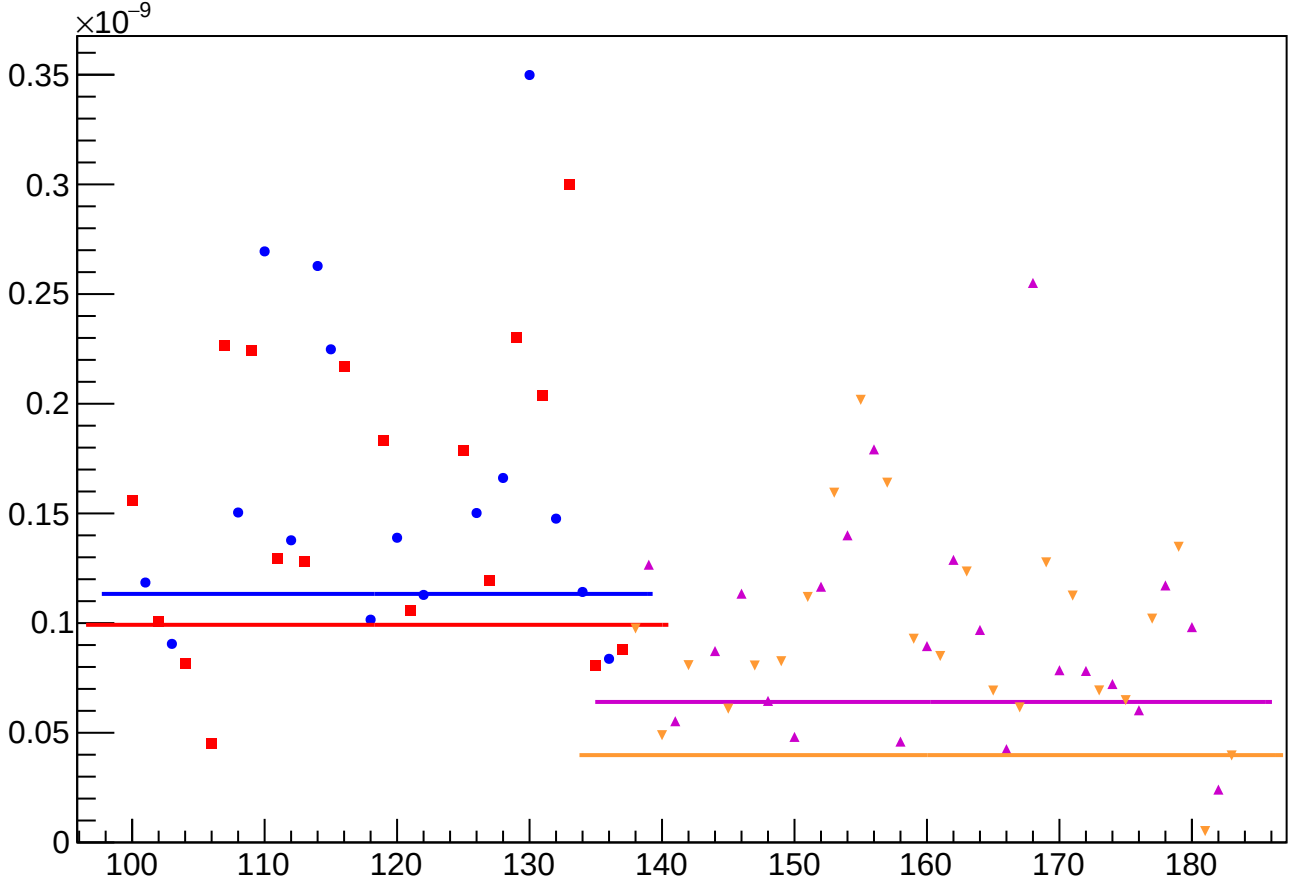
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:25.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/38

All: 0.000+/-0.000 χ^2/NDF: 98.5/78

- sign 0.000+/-0.000 χ^2/NDF: 57.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6945865.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

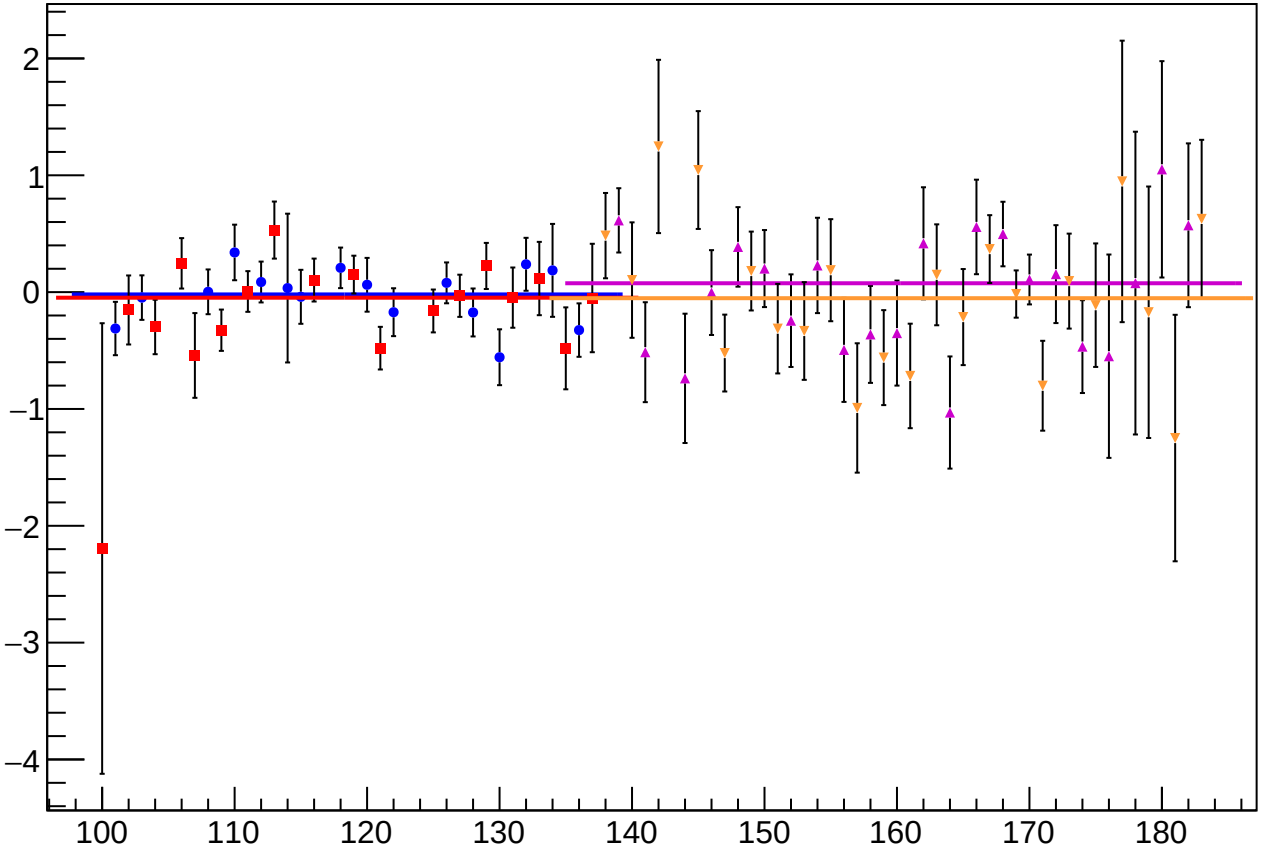
Left In: 0.000+/-0.000 χ^2/NDF:2866922.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 9582583.7/38

All: 0.000+/-0.000 χ^2/NDF: 14981953.2/78

- sign 0.000+/-0.000 χ^2/NDF: 4450681.3/39

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.052+/-0.086 χ^2/NDF:29.9/22

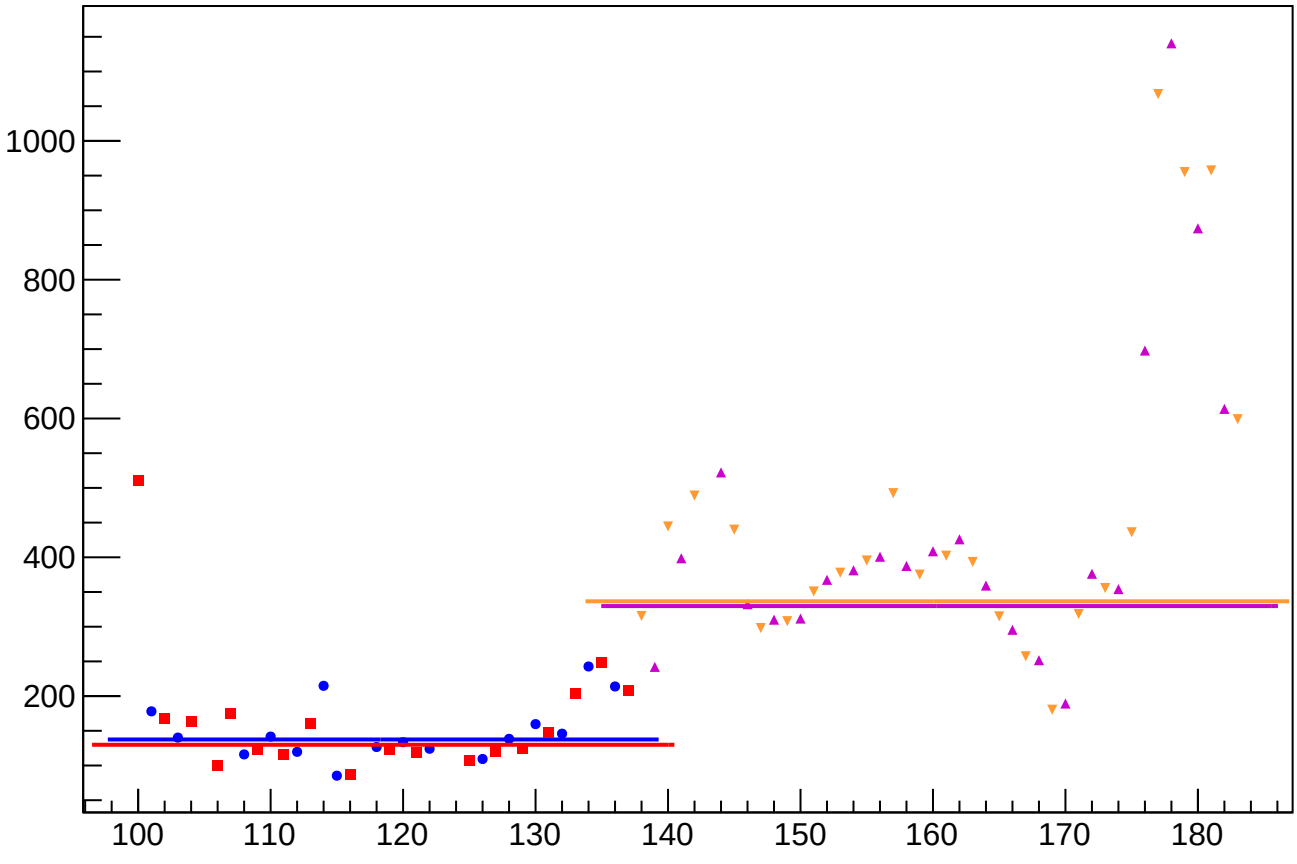
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.076+/-0.084 χ^2/NDF:27.0/21

+ sign -0.029+/-0.046 χ^2/NDF: 46.0/38

All: -0.021+/-0.032 χ^2/NDF: 100.9/78

- sign -0.013+/-0.044 χ^2/NDF: 54.8/39



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 336.612+/-0.061 χ^2/NDF:4441644.5/22

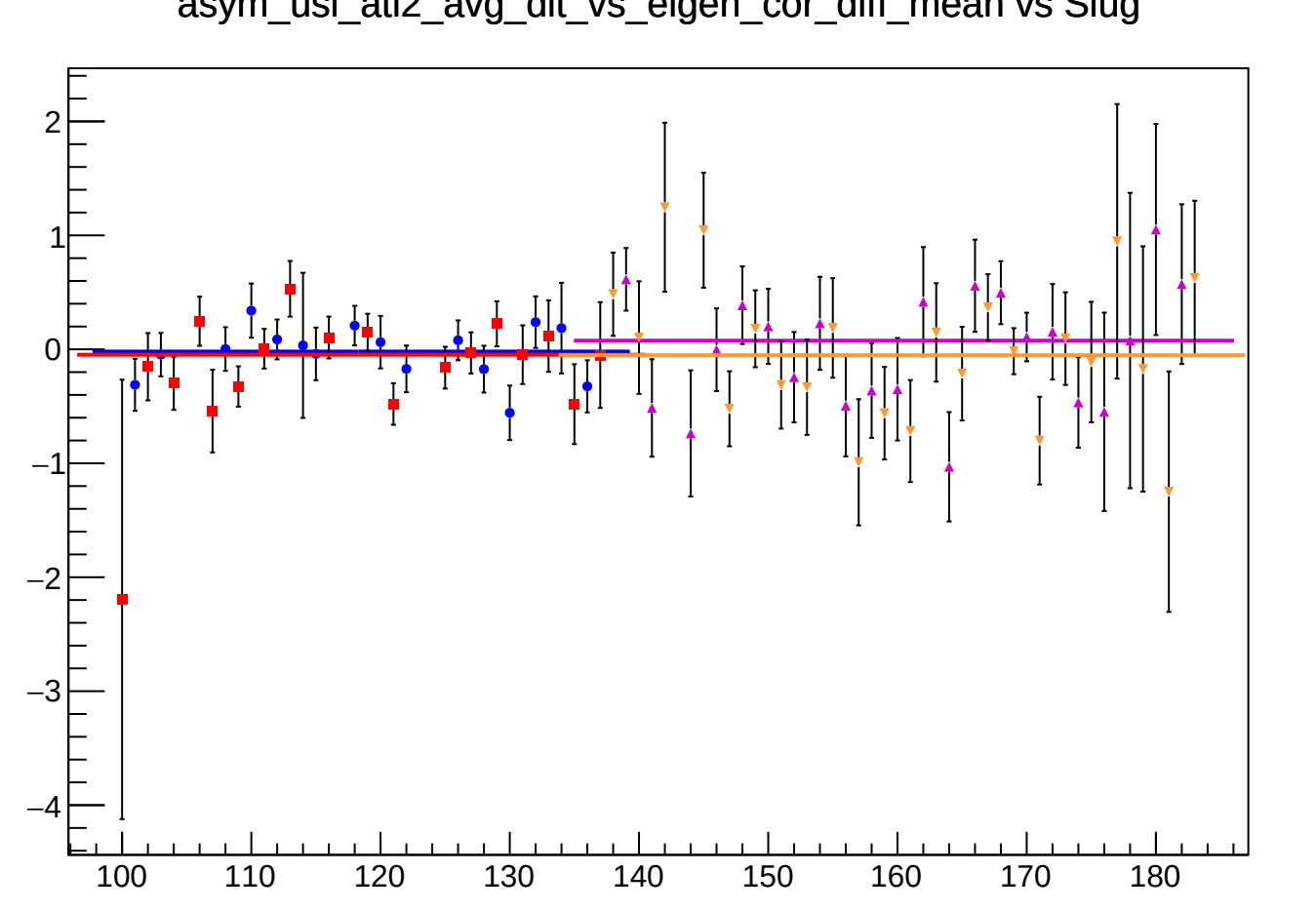
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 329.735+/-0.059 χ^2/NDF:4033940.5/21

+ sign 194.360+/-0.032 χ^2/NDF: 12842160.5/38

All: 190.191+/-0.023 χ^2/NDF: 25919054.7/78

- sign 186.261+/-0.031 χ^2/NDF: 13044719.5/39



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.052+/-0.086 χ^2/NDF:29.9/22

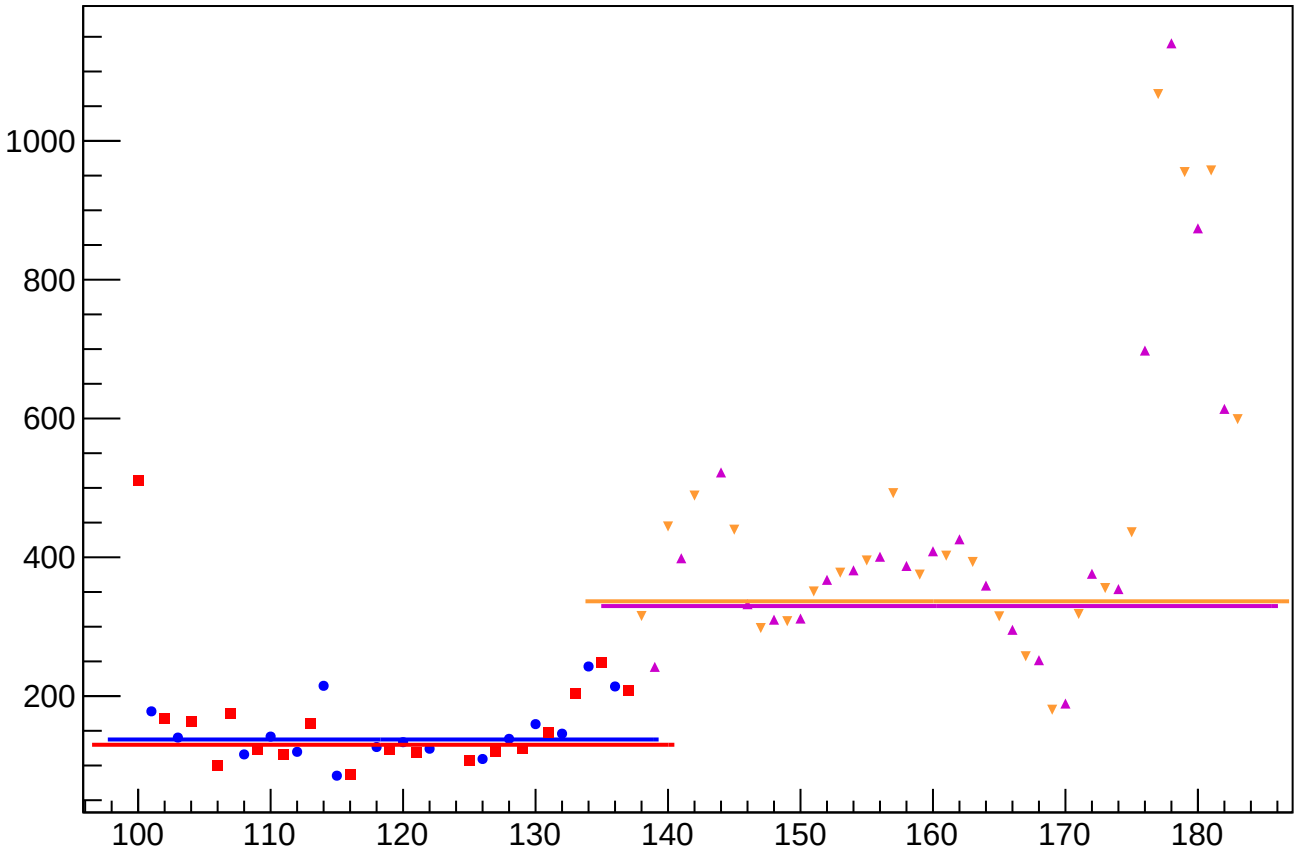
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.076+/-0.084 χ^2/NDF:27.0/21

+ sign -0.029+/-0.046 χ^2/NDF: 46.0/38

All: -0.021+/-0.032 χ^2/NDF: 100.9/78

- sign -0.013+/-0.044 χ^2/NDF: 54.8/39



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 336.612+/-0.061 χ^2/NDF:4441644.5/22

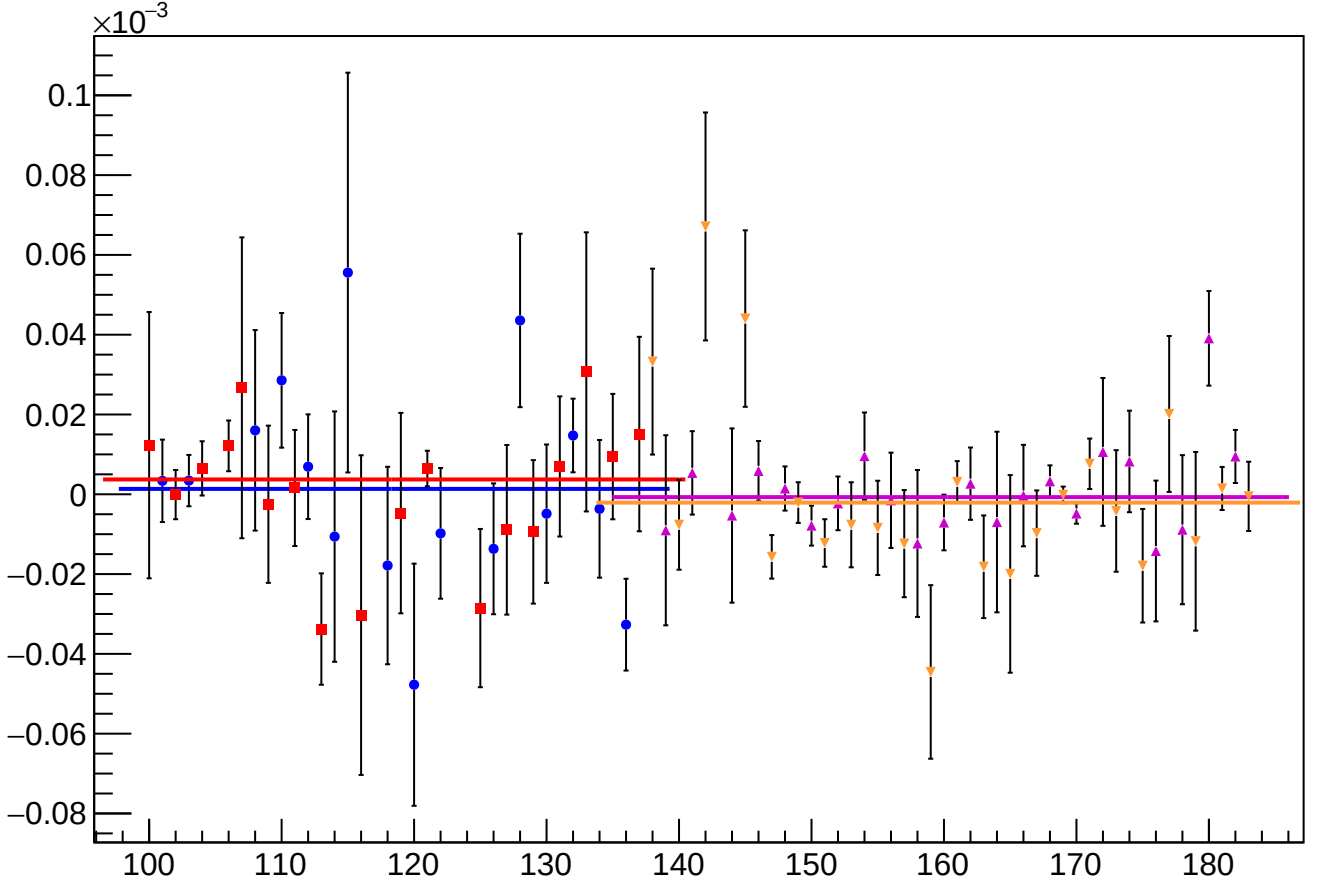
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 329.735+/-0.059 χ^2/NDF:4033940.5/21

+ sign 194.360+/-0.032 χ^2/NDF: 12842160.5/38

All: 190.191+/-0.023 χ^2/NDF: 25919054.7/78

- sign 186.261+/-0.031 χ^2/NDF: 13044719.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/22

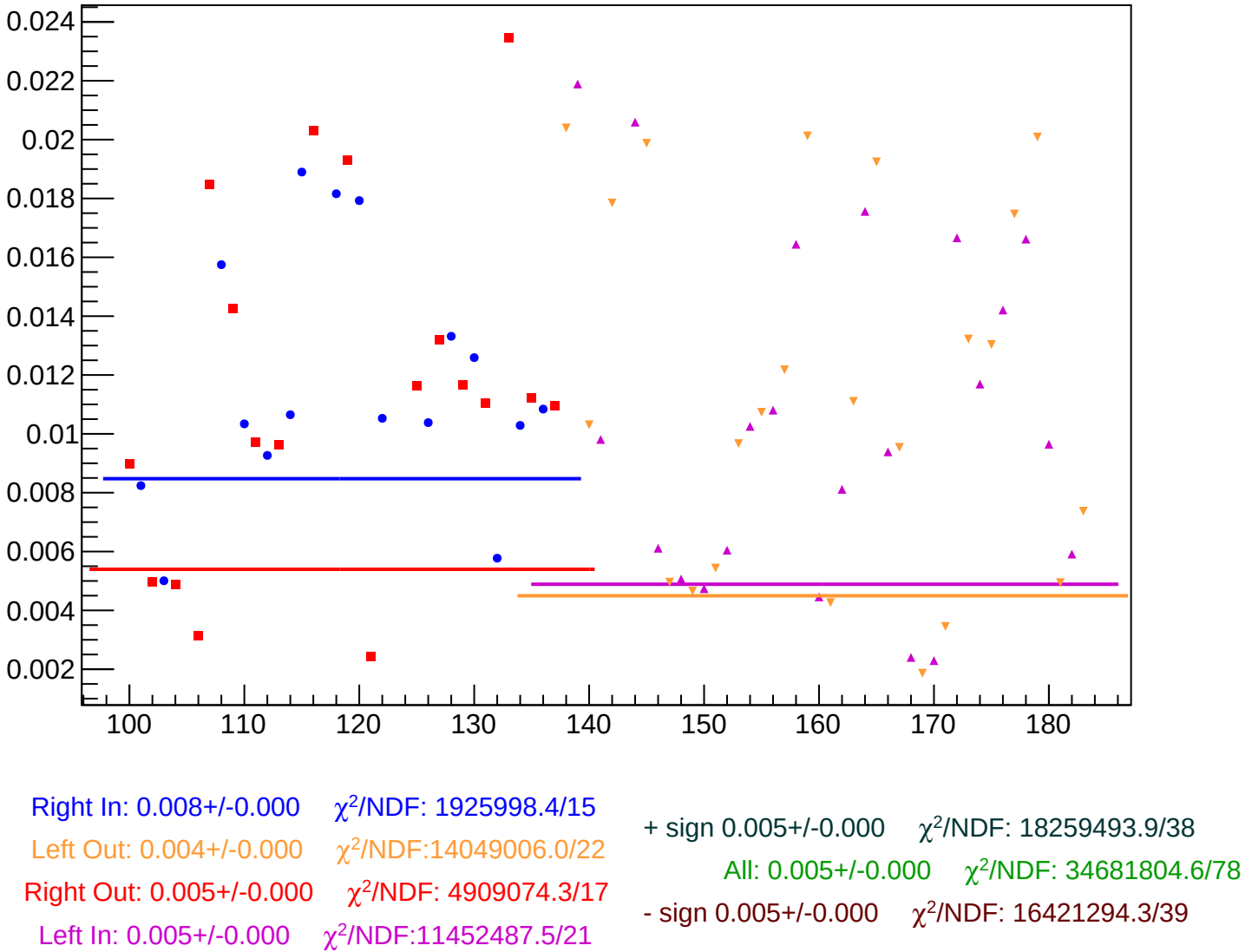
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:24.7/21

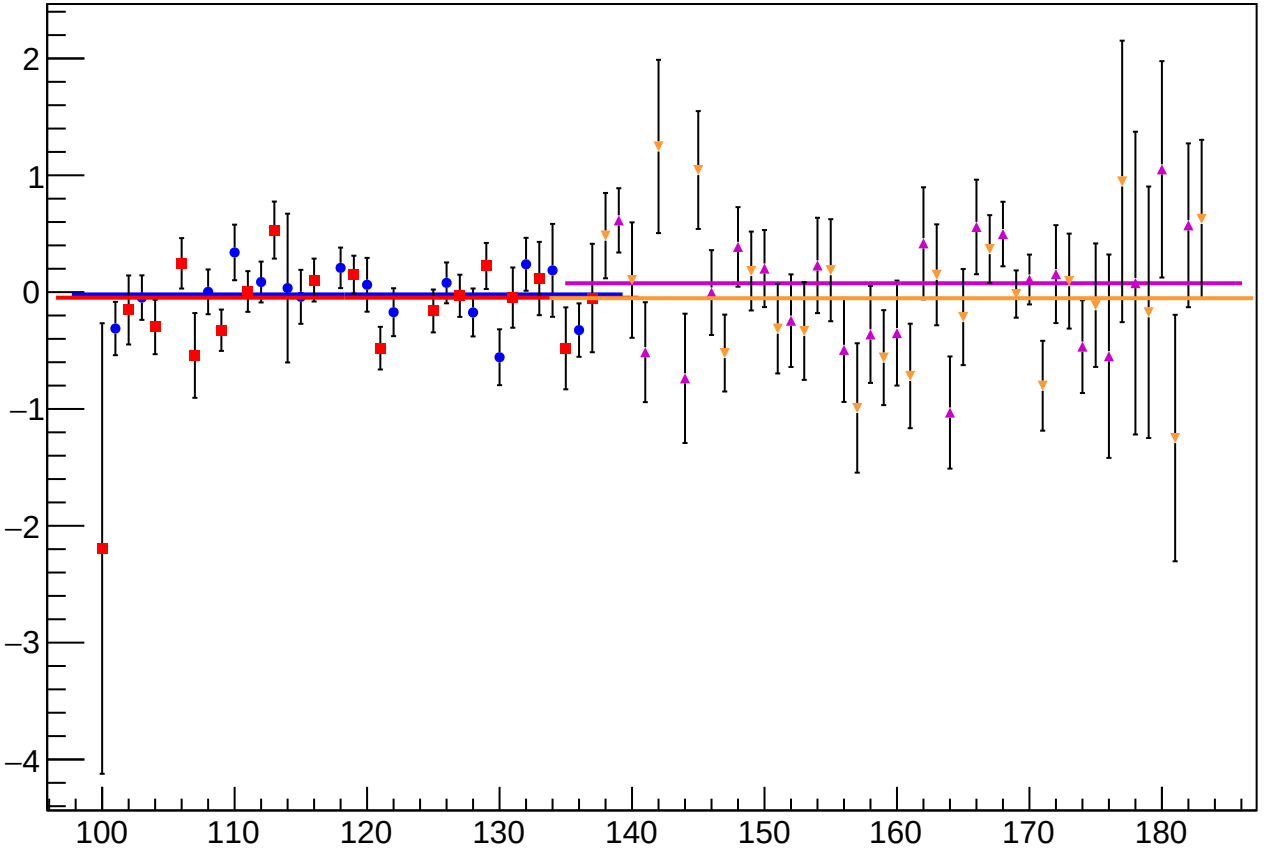
+ sign -0.000+/-0.000 χ^2/NDF: 61.6/38

All: -0.000+/-0.000 χ^2/NDF: 105.6/78

- sign 0.000+/-0.000 χ^2/NDF: 42.7/39


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 1925998.4/15
Left Out: 0.004+/-0.000 χ²/NDF:14049006.0/22
Right Out: 0.005+/-0.000 χ²/NDF: 4909074.3/17
Left In: 0.005+/-0.000 χ²/NDF:11452487.5/21
+ sign 0.005+/-0.000 χ²/NDF: 18259493.9/38
All: 0.005+/-0.000 χ²/NDF: 34681804.6/78
- sign 0.005+/-0.000 χ²/NDF: 16421294.3/39

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.052+/-0.086 χ^2/NDF:29.9/22

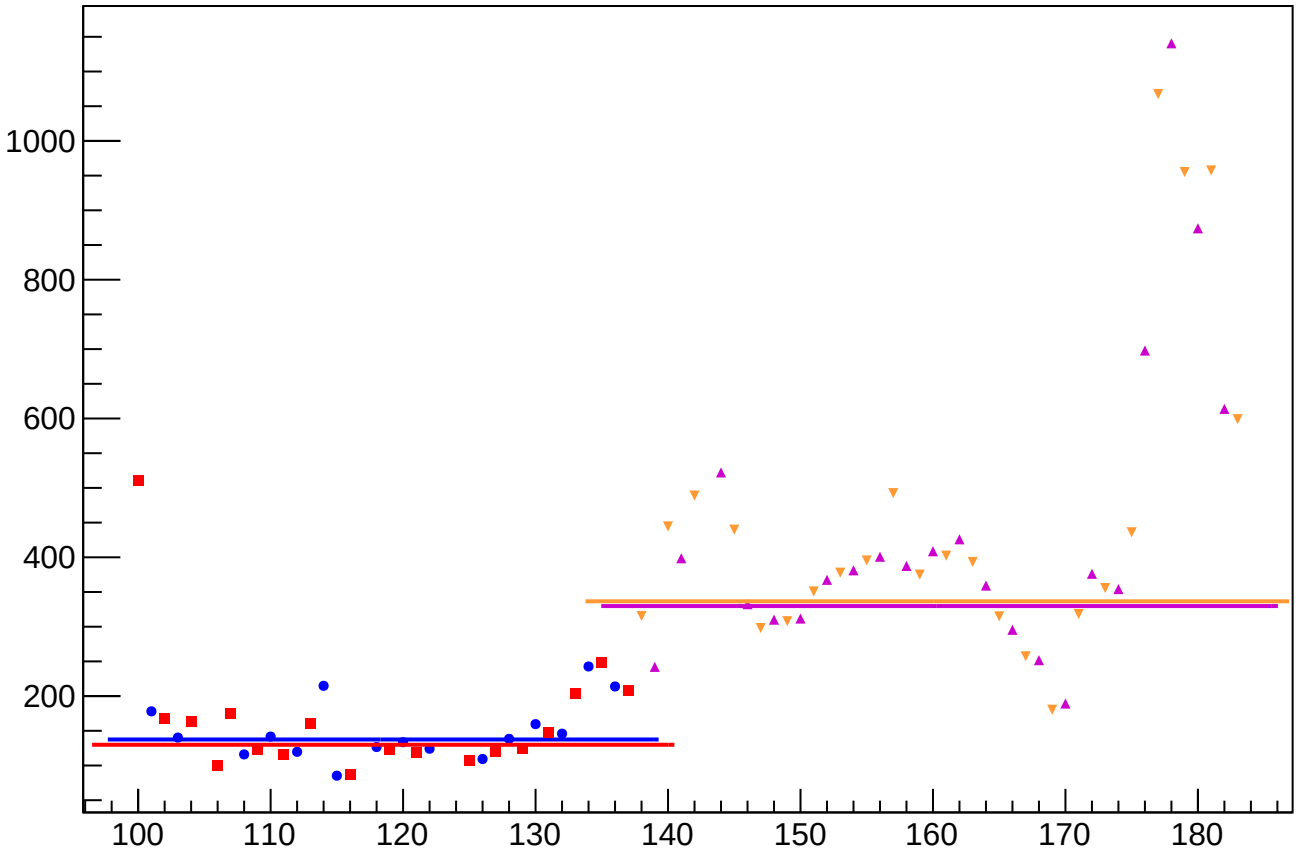
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.076+/-0.084 χ^2/NDF:27.0/21

+ sign -0.029+/-0.046 χ^2/NDF: 46.0/38

All: -0.021+/-0.032 χ^2/NDF: 100.9/78

- sign -0.013+/-0.044 χ^2/NDF: 54.8/39



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 336.614+/-0.061 χ^2/NDF:4441713.5/22

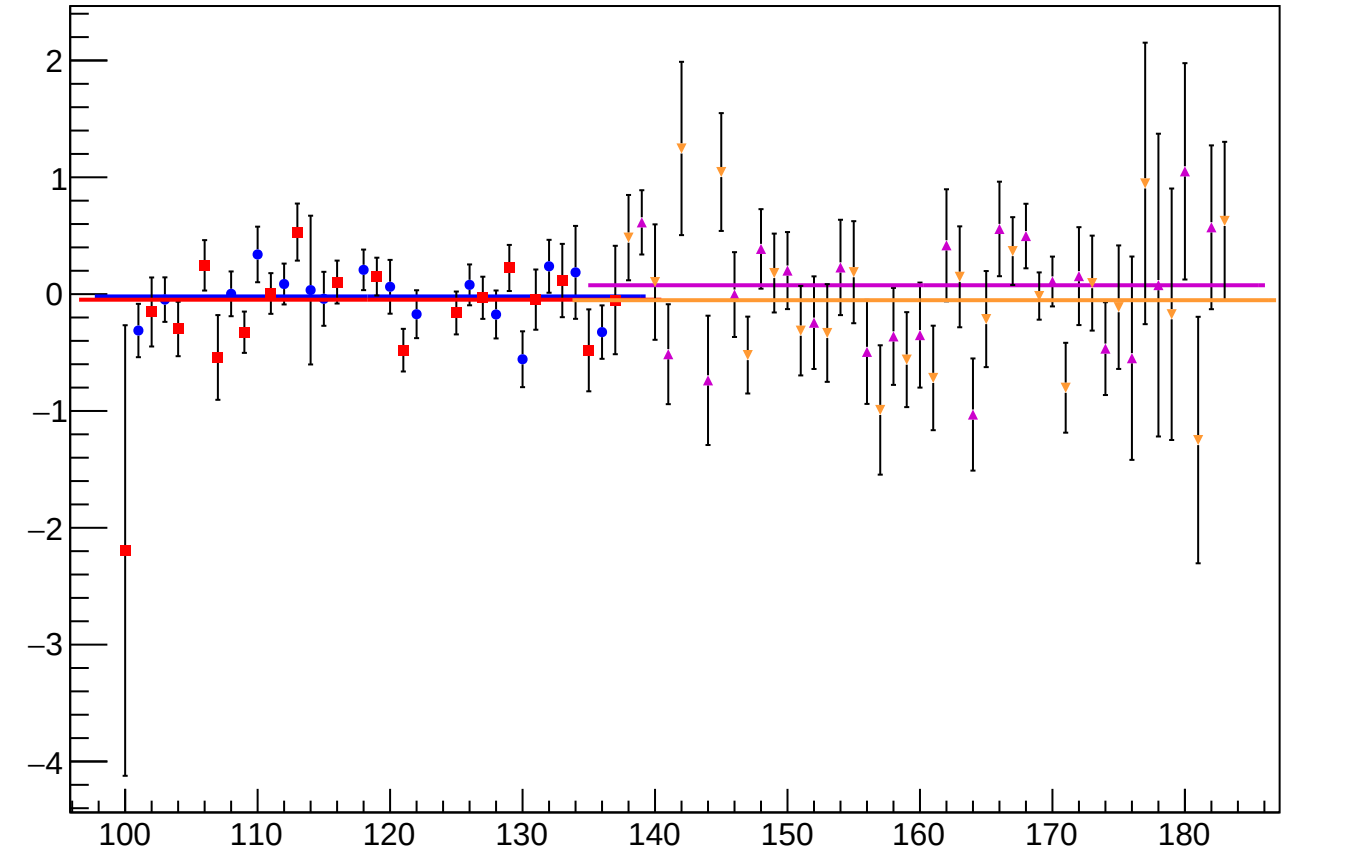
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 329.738+/-0.059 χ^2/NDF:4033942.1/21

+ sign 194.360+/-0.032 χ^2/NDF: 12842297.9/38

All: 190.191+/-0.023 χ^2/NDF: 25919284.8/78

- sign 186.261+/-0.031 χ^2/NDF: 13044813.1/39



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.052+/-0.086 χ^2/NDF:29.9/22

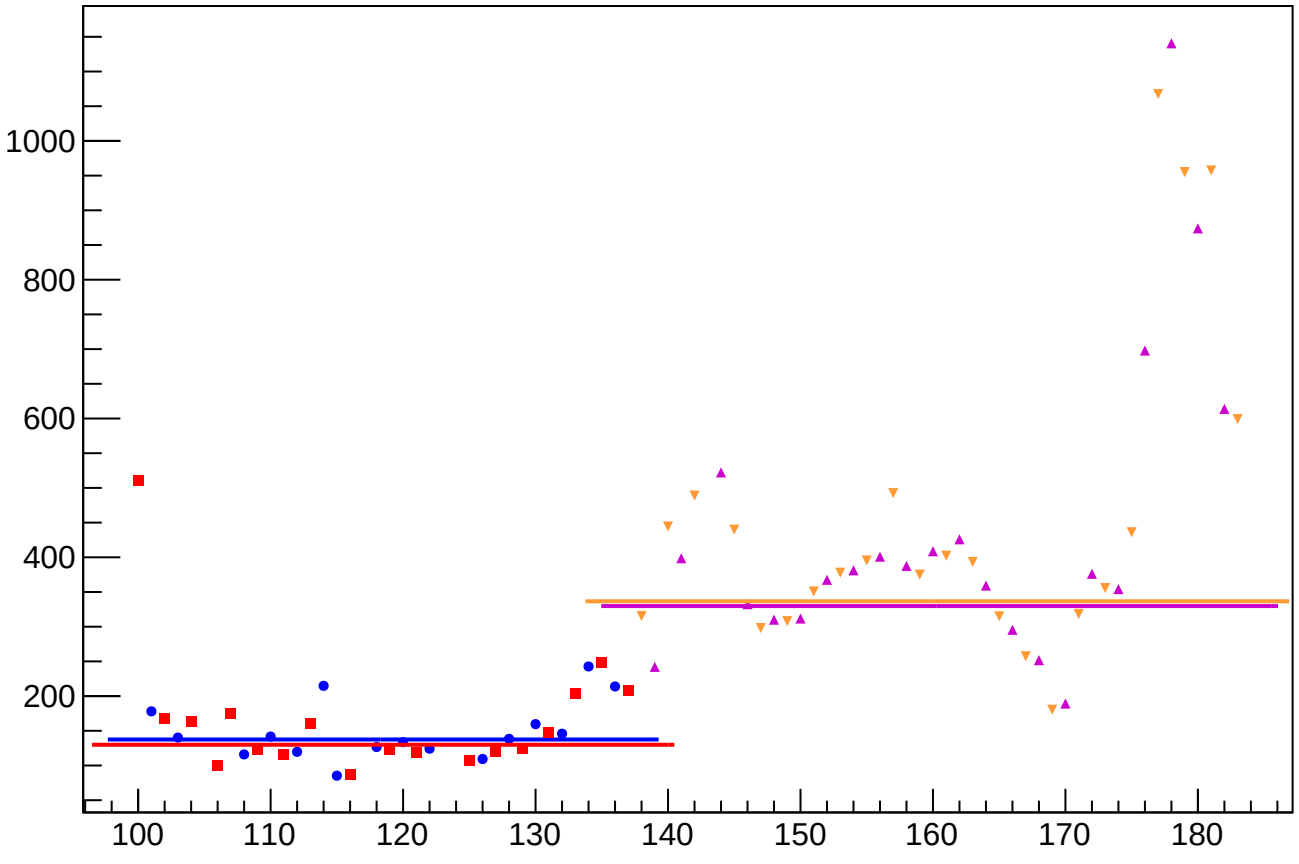
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.076+/-0.084 χ^2/NDF:27.0/21

+ sign -0.029+/-0.046 χ^2/NDF: 46.0/38

All: -0.021+/-0.032 χ^2/NDF: 100.9/78

- sign -0.013+/-0.044 χ^2/NDF: 54.8/39



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 336.614+/-0.061 χ^2/NDF:4441713.5/22

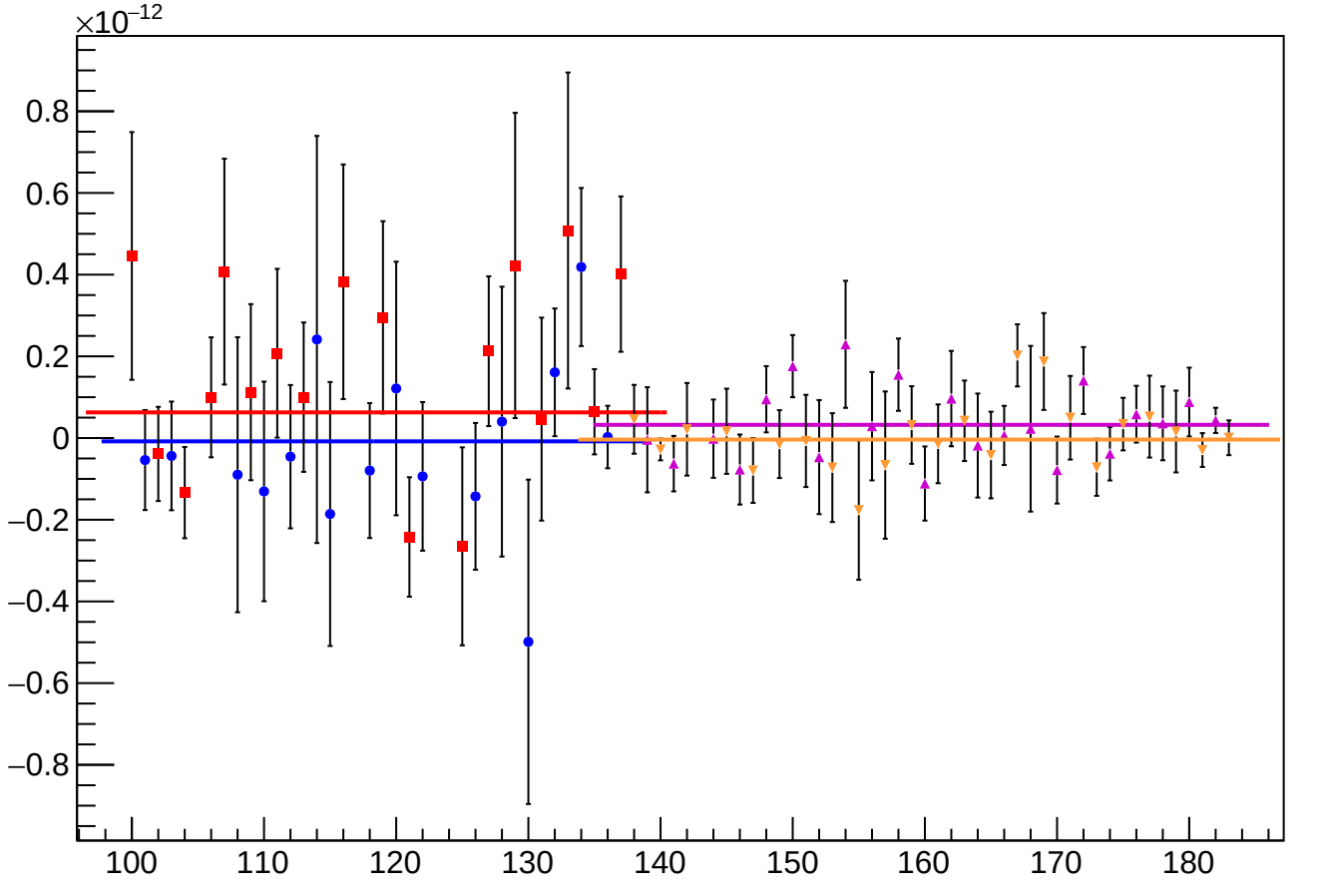
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 329.738+/-0.059 χ^2/NDF:4033942.1/21

+ sign 194.360+/-0.032 χ^2/NDF: 12842297.9/38

All: 190.191+/-0.023 χ^2/NDF: 25919284.8/78

- sign 186.261+/-0.031 χ^2/NDF: 13044813.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/22

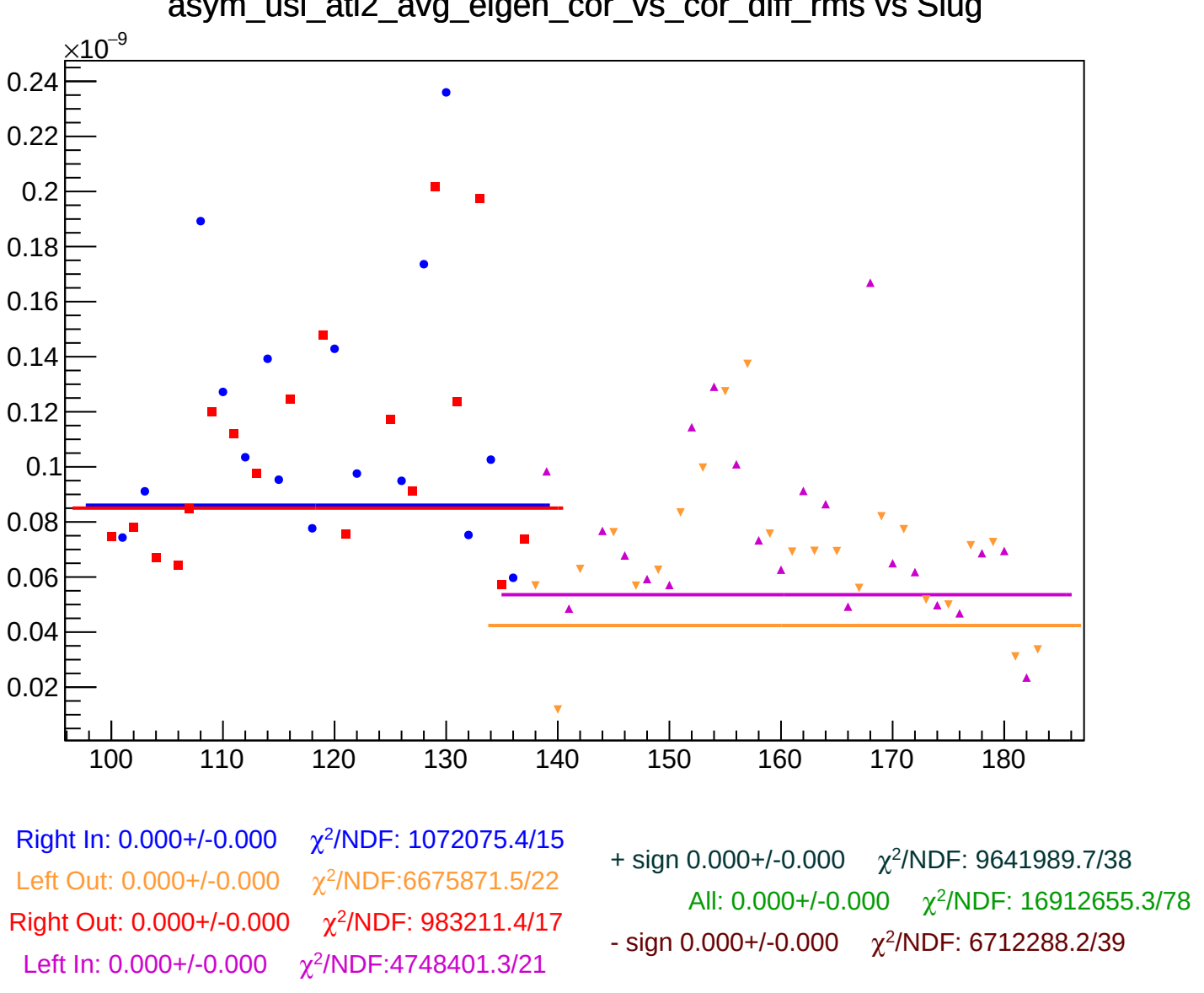
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:20.4/21

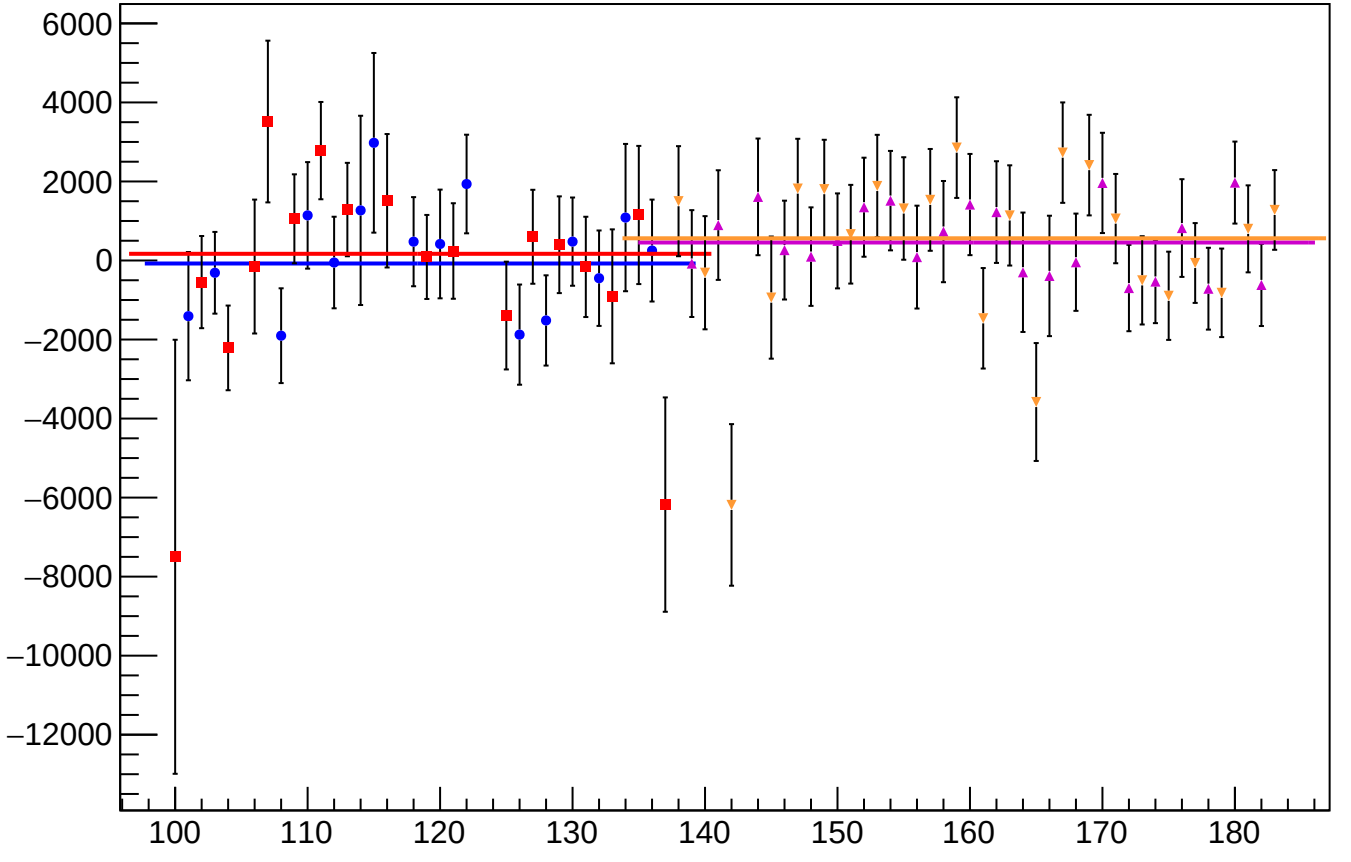
+ sign -0.000+/-0.000 χ^2/NDF: 26.2/38

All: 0.000+/-0.000 χ^2/NDF: 73.0/78

- sign 0.000+/-0.000 χ^2/NDF: 43.0/39


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1072075.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6675871.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 983211.4/17
Left In: 0.000+/-0.000 χ²/NDF:4748401.3/21
+ sign 0.000+/-0.000 χ²/NDF: 9641989.7/38
All: 0.000+/-0.000 χ²/NDF: 16912655.3/78
- sign 0.000+/-0.000 χ²/NDF: 6712288.2/39

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 562.185+/-259.222 χ^2/NDF:40.6/22

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

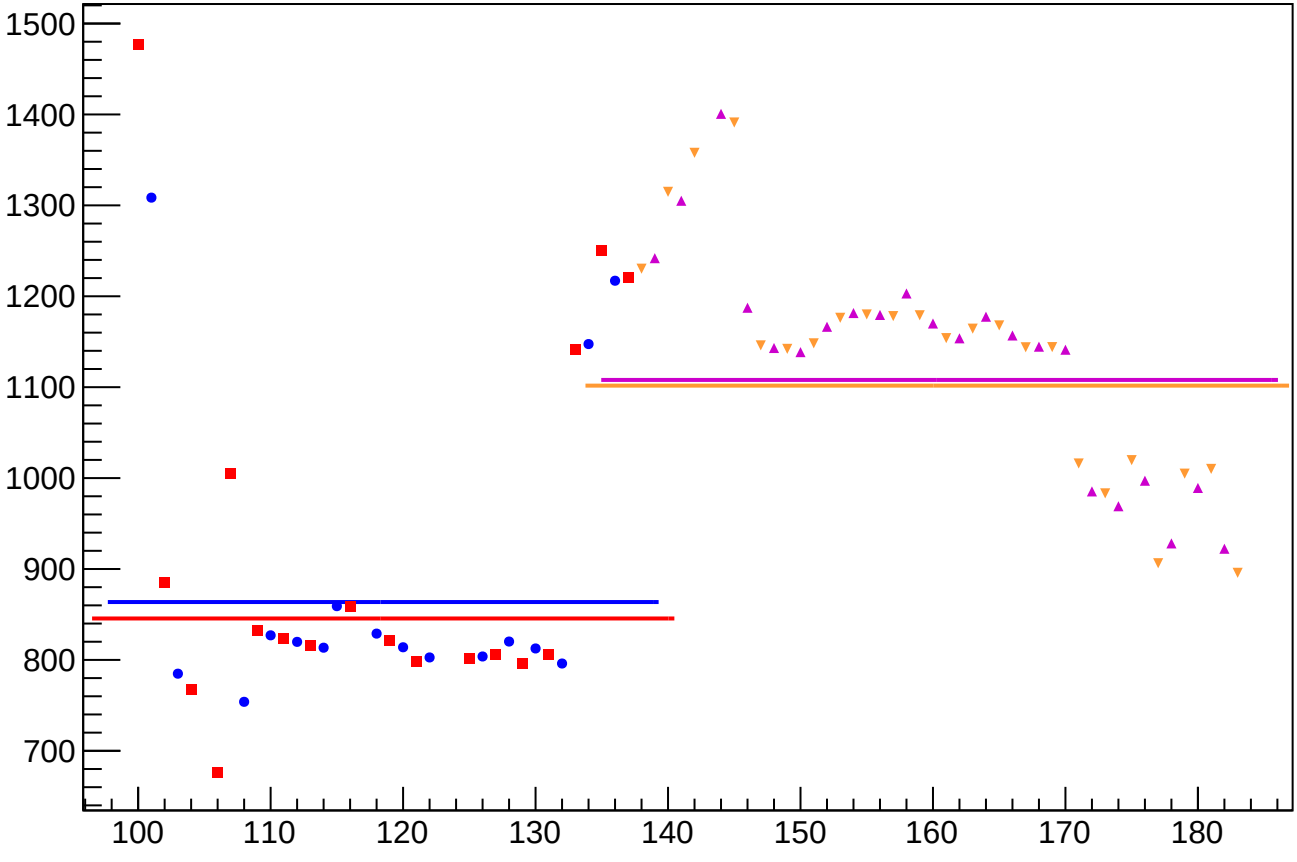
Left In: 455.514+/-262.488 χ^2/NDF:11.9/21

+ sign 315.210+/-202.951 χ^2/NDF: 56.3/38

All: 328.173+/-143.670 χ^2/NDF: 93.1/78

- sign 341.194+/-203.410 χ^2/NDF: 36.8/39

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1101.711+/-0.183 χ^2/NDF:446976.9/22

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

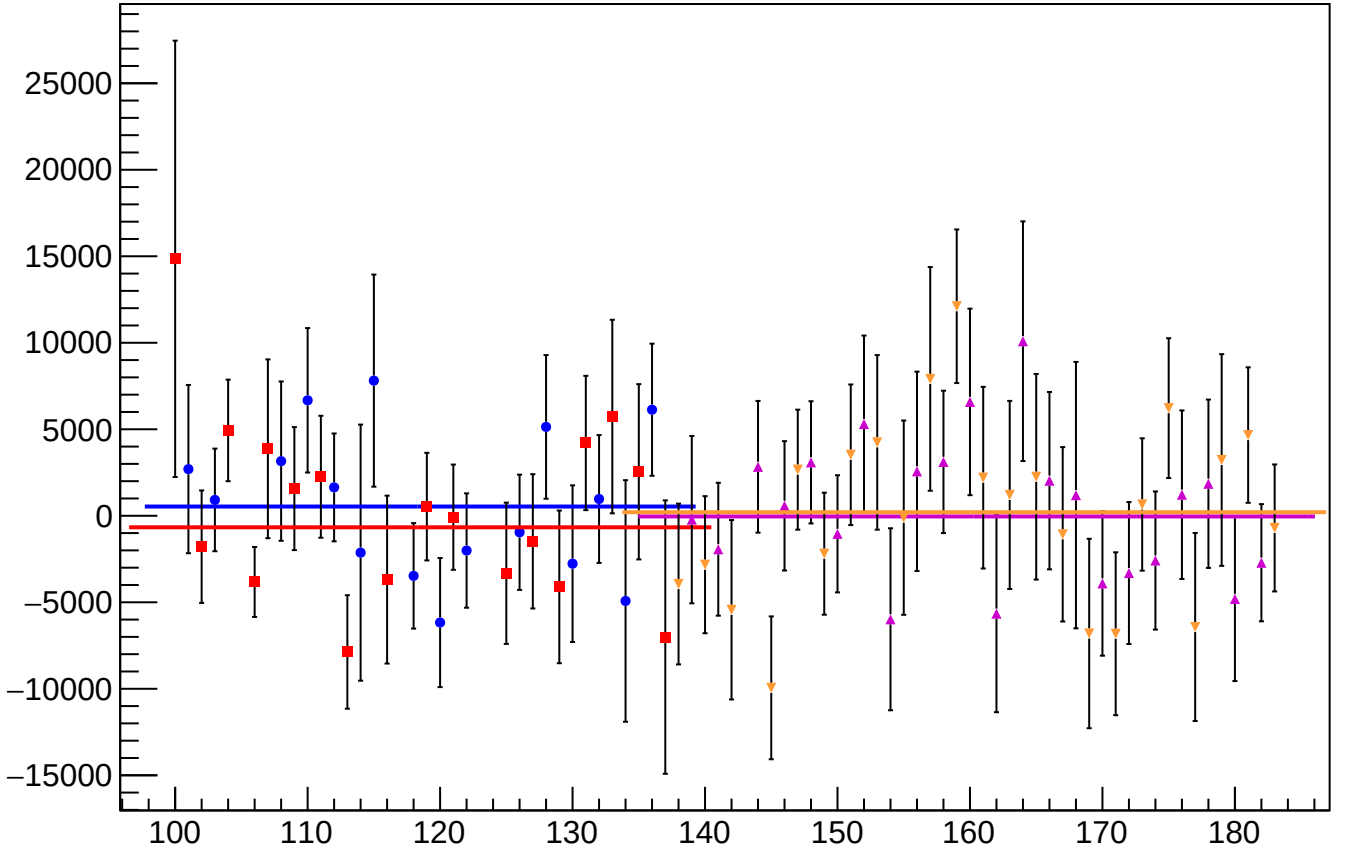
Left In: 1107.977+/-0.186 χ^2/NDF:420906.6/21

+ sign 1009.578+/-0.144 χ^2/NDF: 1507251.7/38

All: 1005.570+/-0.101 χ^2/NDF: 3047862.2/78

- sign 1001.584+/-0.143 χ^2/NDF: 1539054.5/39

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 206.264+/-944.250 χ^2/NDF:29.1/22

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

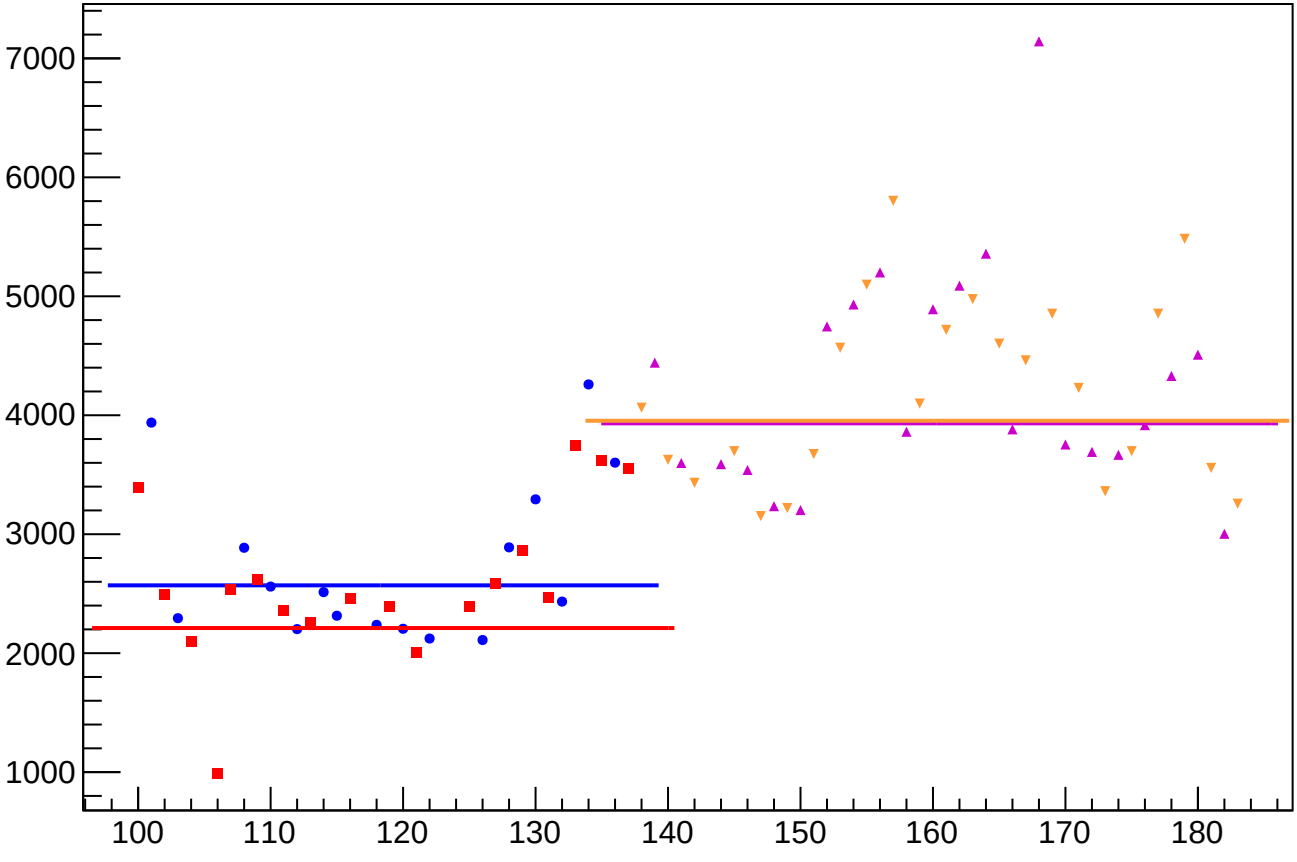
Left In: -38.690+/-945.520 χ^2/NDF:13.4/21

+ sign 364.073+/-680.404 χ^2/NDF: 43.8/38

All: -31.821+/-465.483 χ^2/NDF: 78.0/78

- sign -380.133+/-638.206 χ^2/NDF: 33.6/39

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3953.739+/-0.668 χ^2/NDF:1070418.2/22

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

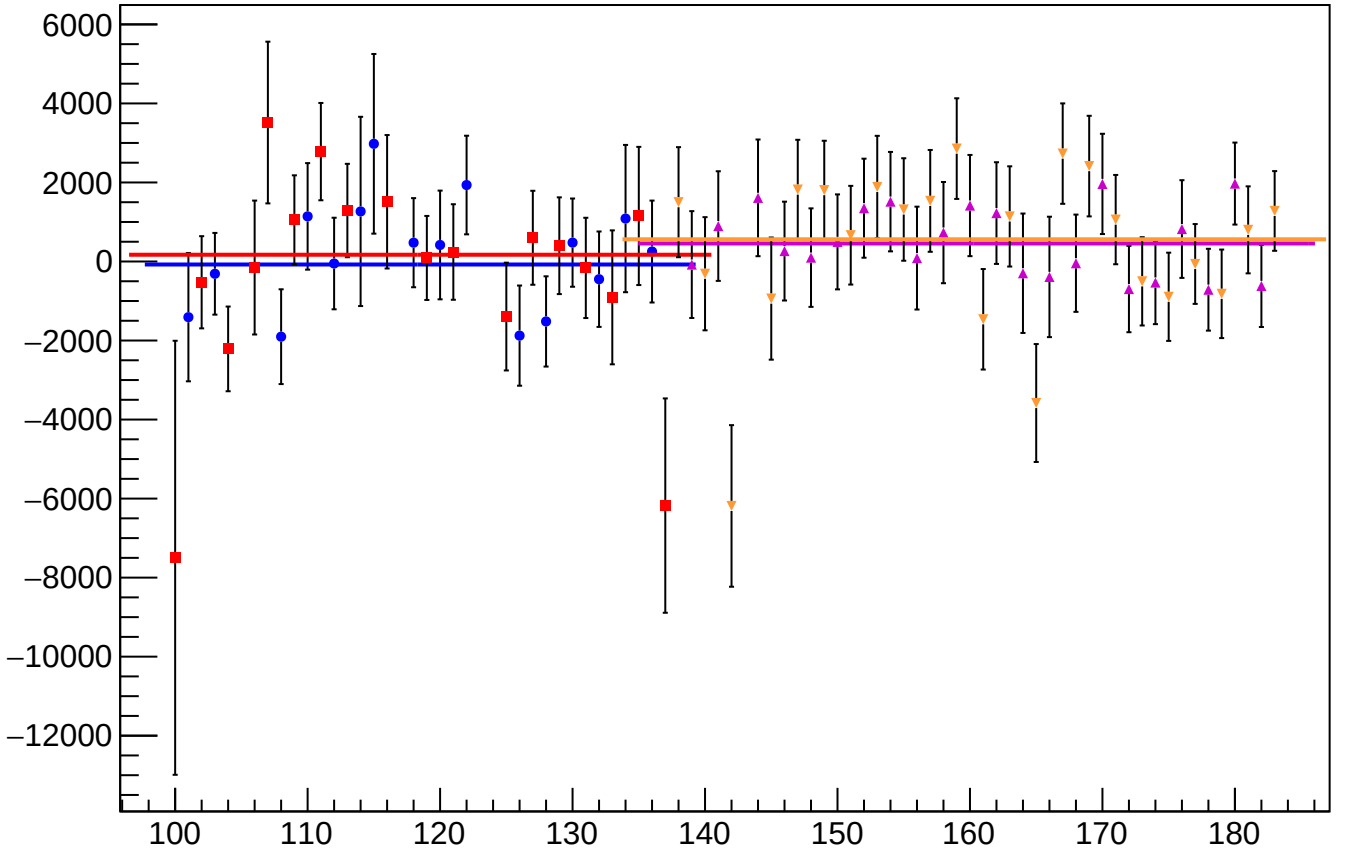
Left In: 3931.930+/-0.669 χ^2/NDF:1257790.5/21

+ sign 3288.542+/-0.481 χ^2/NDF: 3797408.5/38

All: 3132.492+/-0.329 χ^2/NDF: 10122828.1/7

- sign 2995.198+/-0.451 χ^2/NDF: 6127659.4/39

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 562.226+/-259.222 χ^2/NDF:40.6/22

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

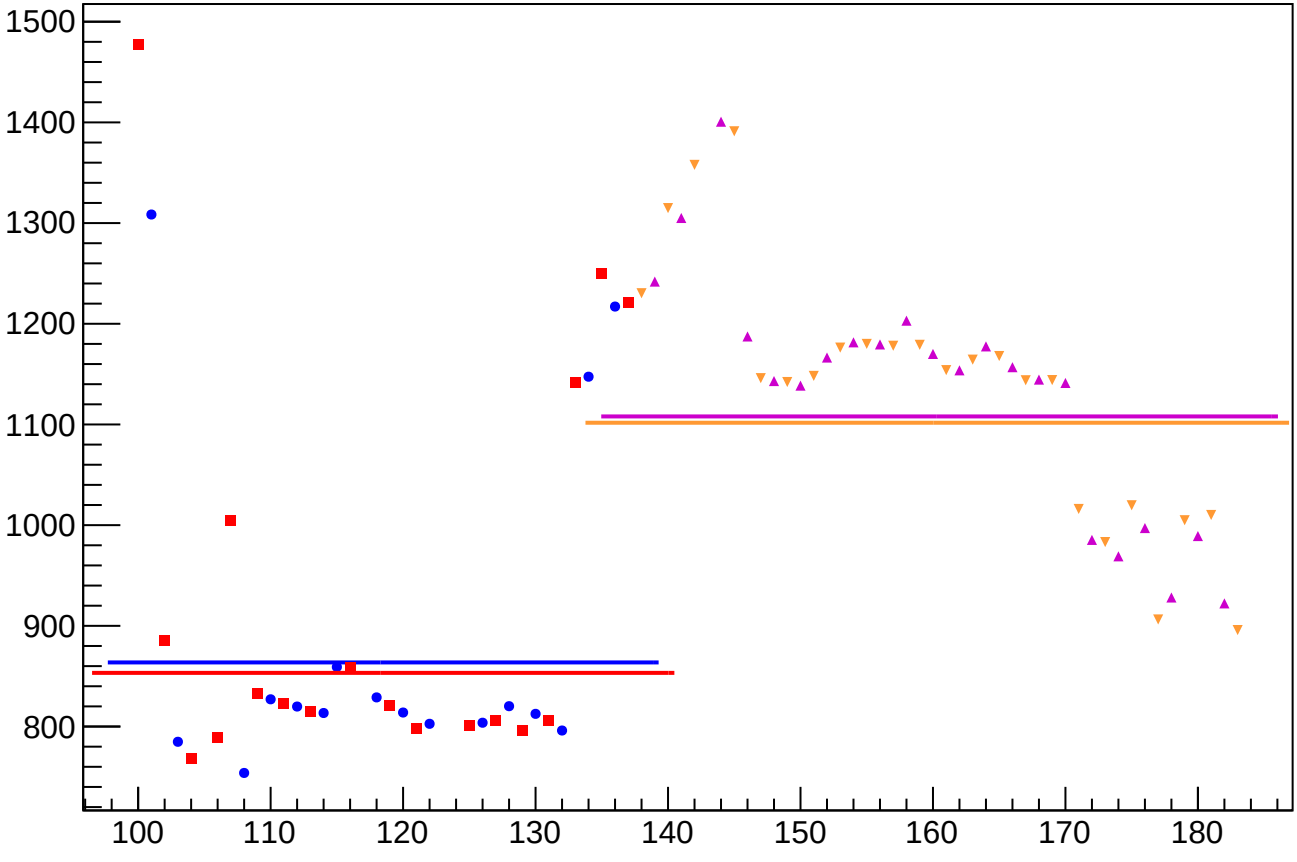
Left In: 455.492+/-262.488 χ^2/NDF:11.9/21

+ sign 315.204+/-202.951 χ^2/NDF: 56.3/38

All: 328.491+/-143.670 χ^2/NDF: 93.1/78

- sign 341.837+/-203.411 χ^2/NDF: 36.8/39

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1101.711+/-0.183 χ^2/NDF:446976.9/22

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

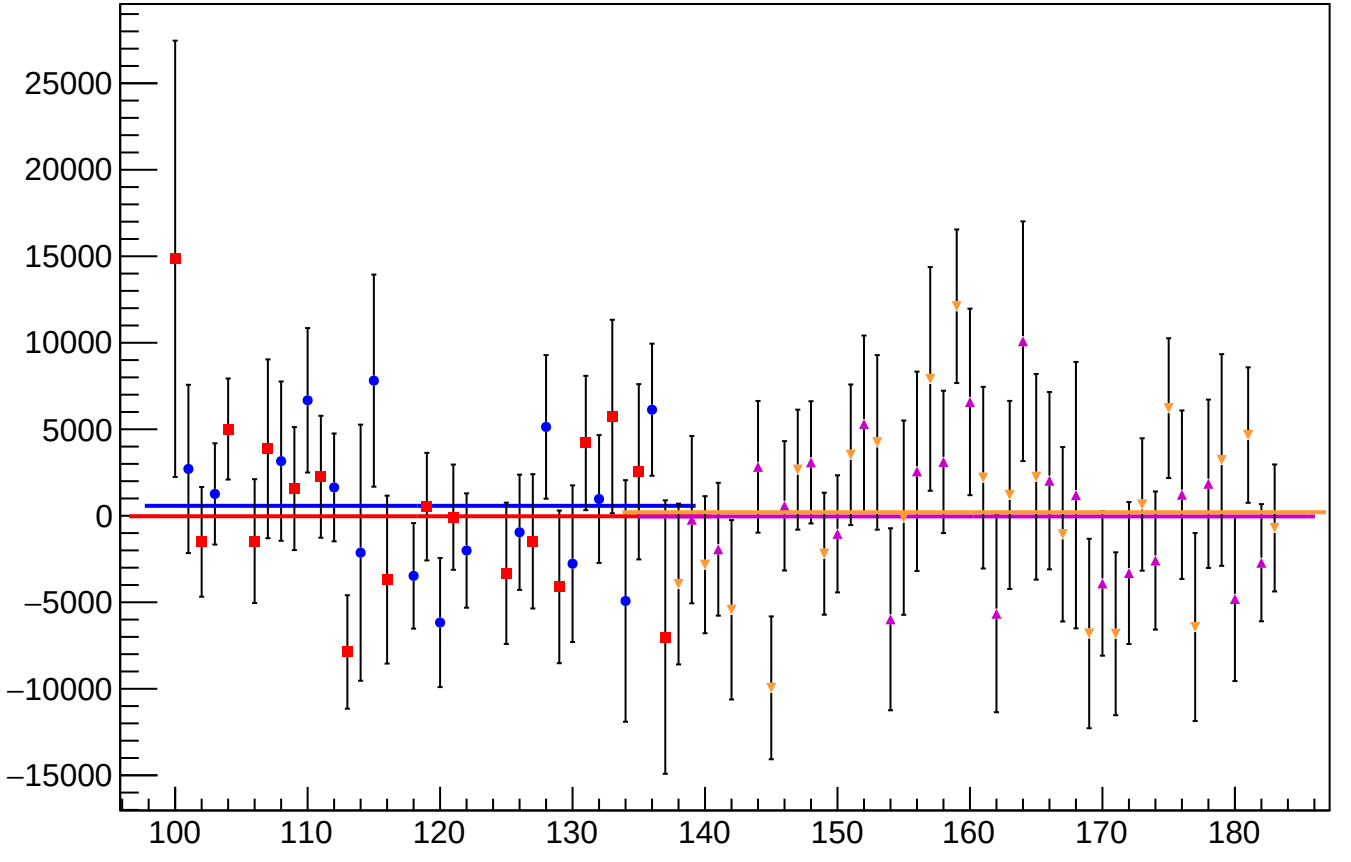
Left In: 1107.977+/-0.186 χ^2/NDF:420906.6/21

+ sign 1009.578+/-0.144 χ^2/NDF: 1507251.8/38

All: 1007.591+/-0.101 χ^2/NDF: 2960752.7/78

- sign 1005.602+/-0.144 χ^2/NDF: 1453117.1/39

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 206.272+/-944.251 χ^2/NDF:29.1/22

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

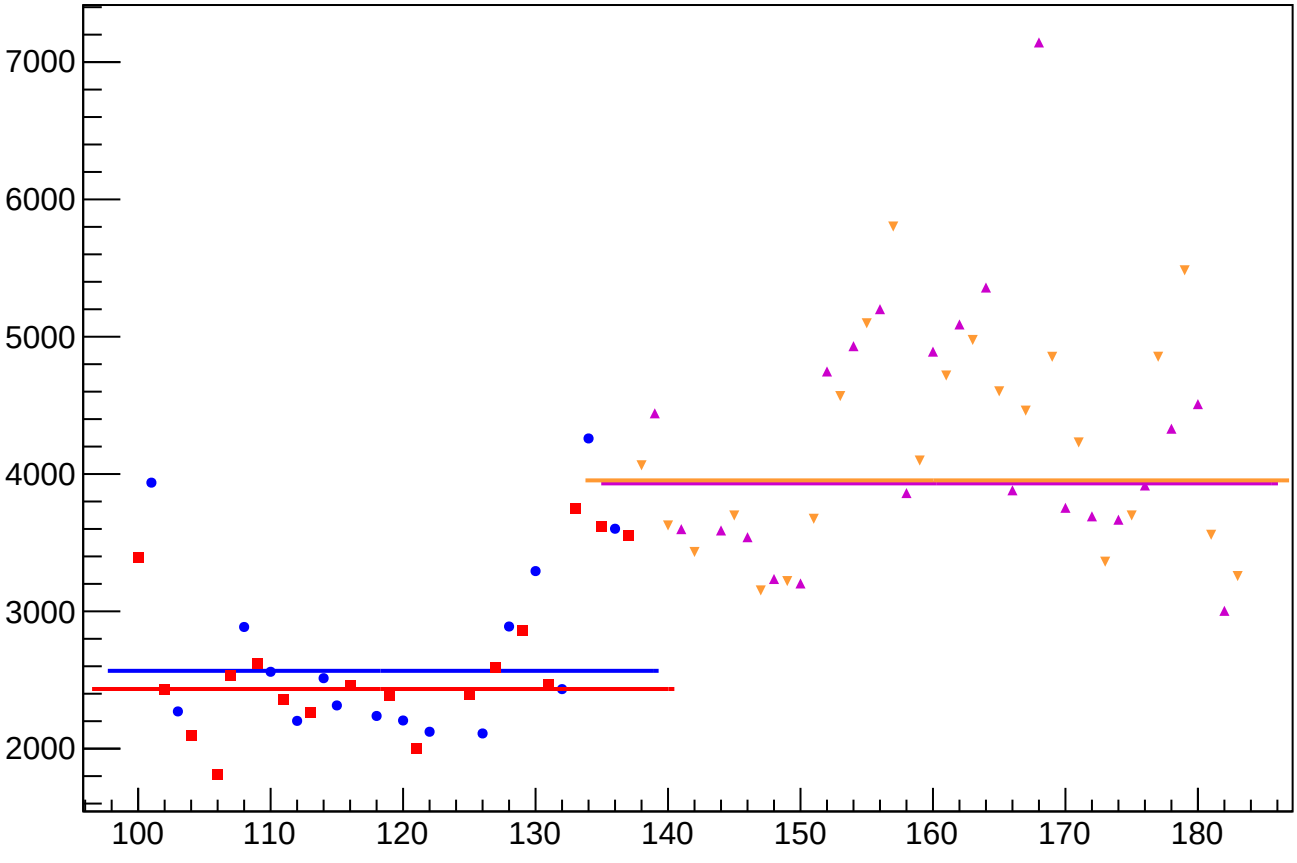
Left In: -38.620+/-945.518 χ^2/NDF:13.4/21

\+ sign 383.798+/-679.925 χ^2/NDF: 43.8/38

All: 169.000+/-473.634 χ^2/NDF: 74.7/78

\- sign -33.486+/-660.153 χ^2/NDF: 30.6/39

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.743+/-0.668 χ^2/NDF:1070409.6/22

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

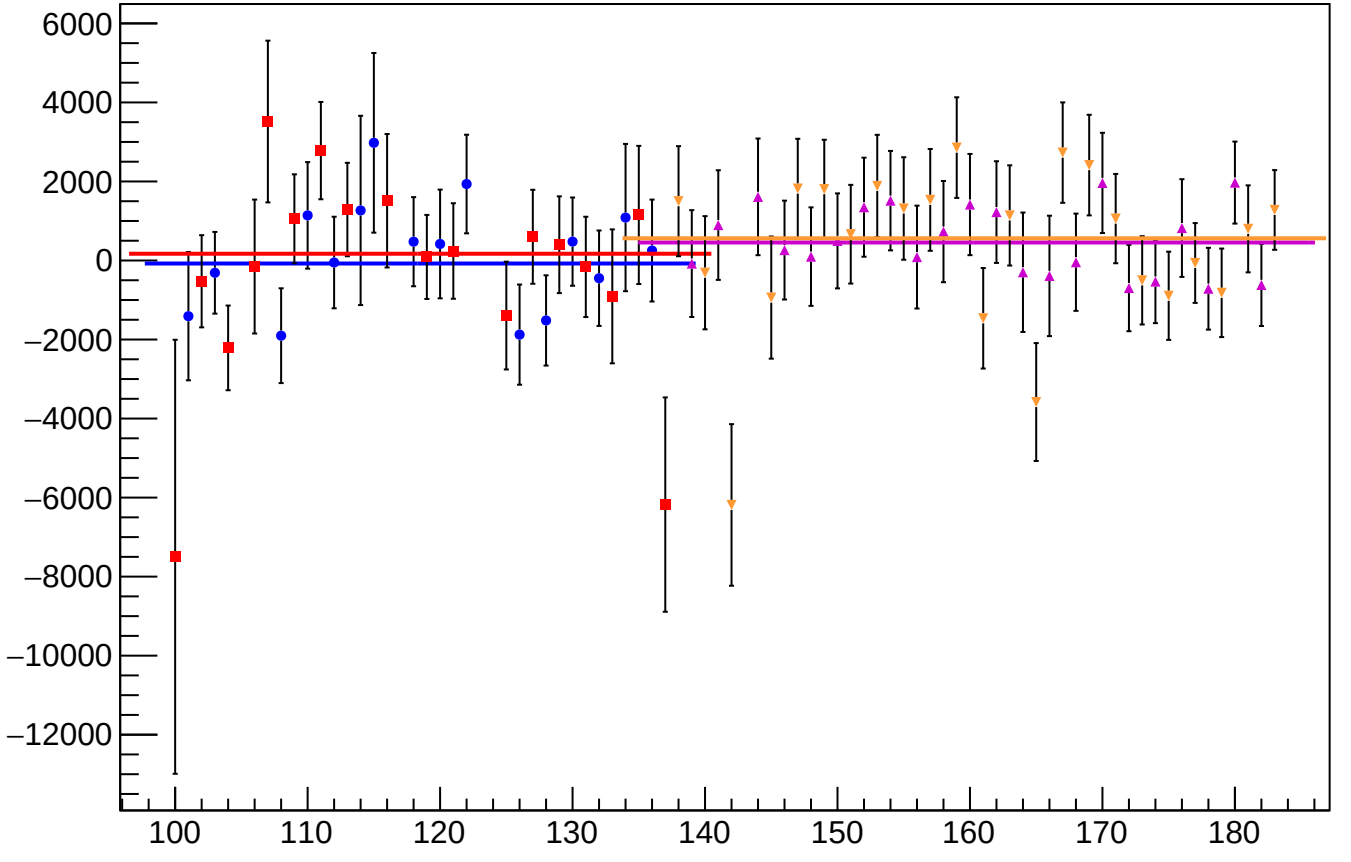
Left In: 3931.924+/-0.669 χ^2/NDF:1257798.5/21

+ sign 3285.895+/-0.481 χ^2/NDF: 3814122.3/38

All: 3223.363+/-0.335 χ^2/NDF: 8110080.1/78

- sign 3164.415+/-0.467 χ^2/NDF: 4263094.1/39

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 562.226+/-259.222 χ^2/NDF:40.6/22

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

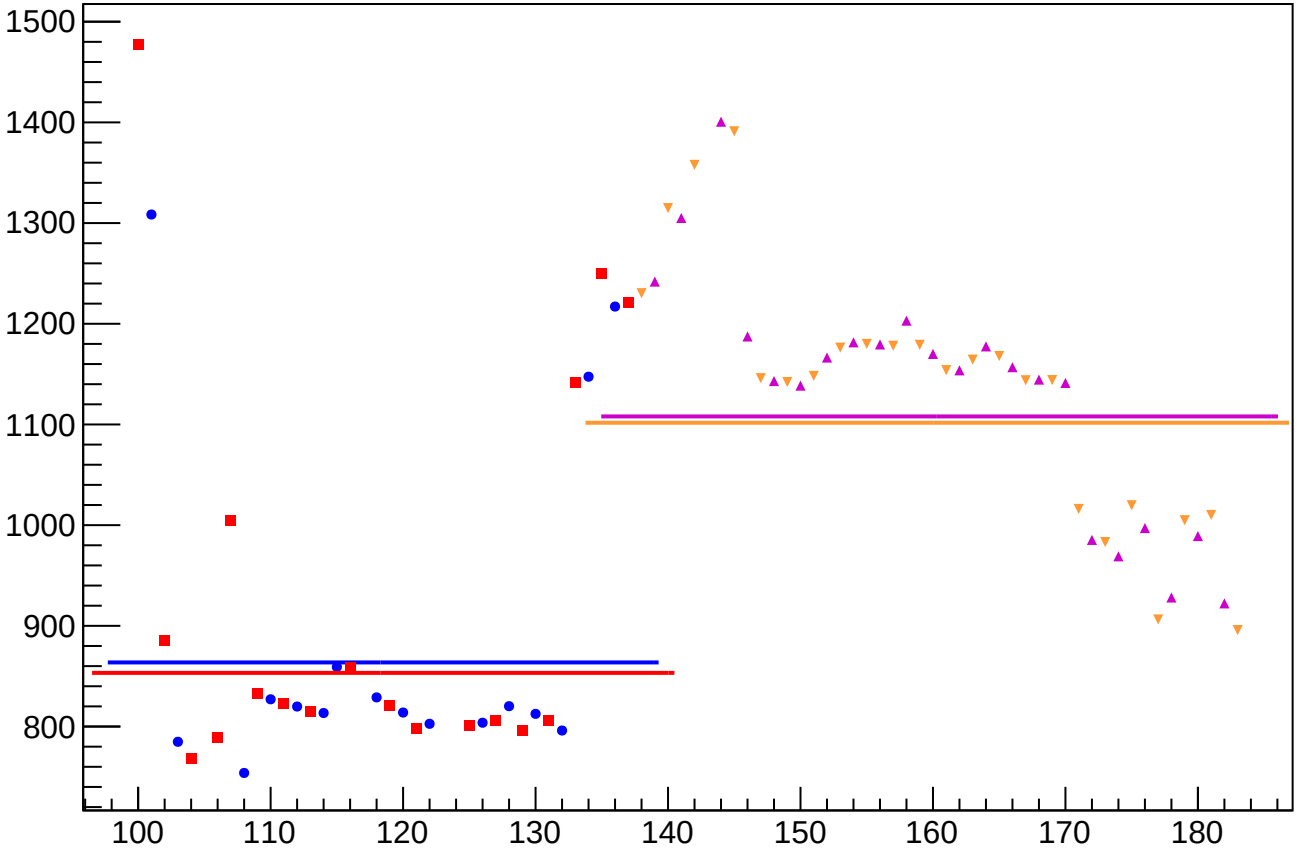
Left In: 455.492+/-262.488 χ^2/NDF:11.9/21

+ sign 315.204+/-202.951 χ^2/NDF: 56.3/38

All: 328.491+/-143.670 χ^2/NDF: 93.1/78

- sign 341.837+/-203.411 χ^2/NDF: 36.8/39

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1101.711+/-0.183 χ^2/NDF:446976.9/22

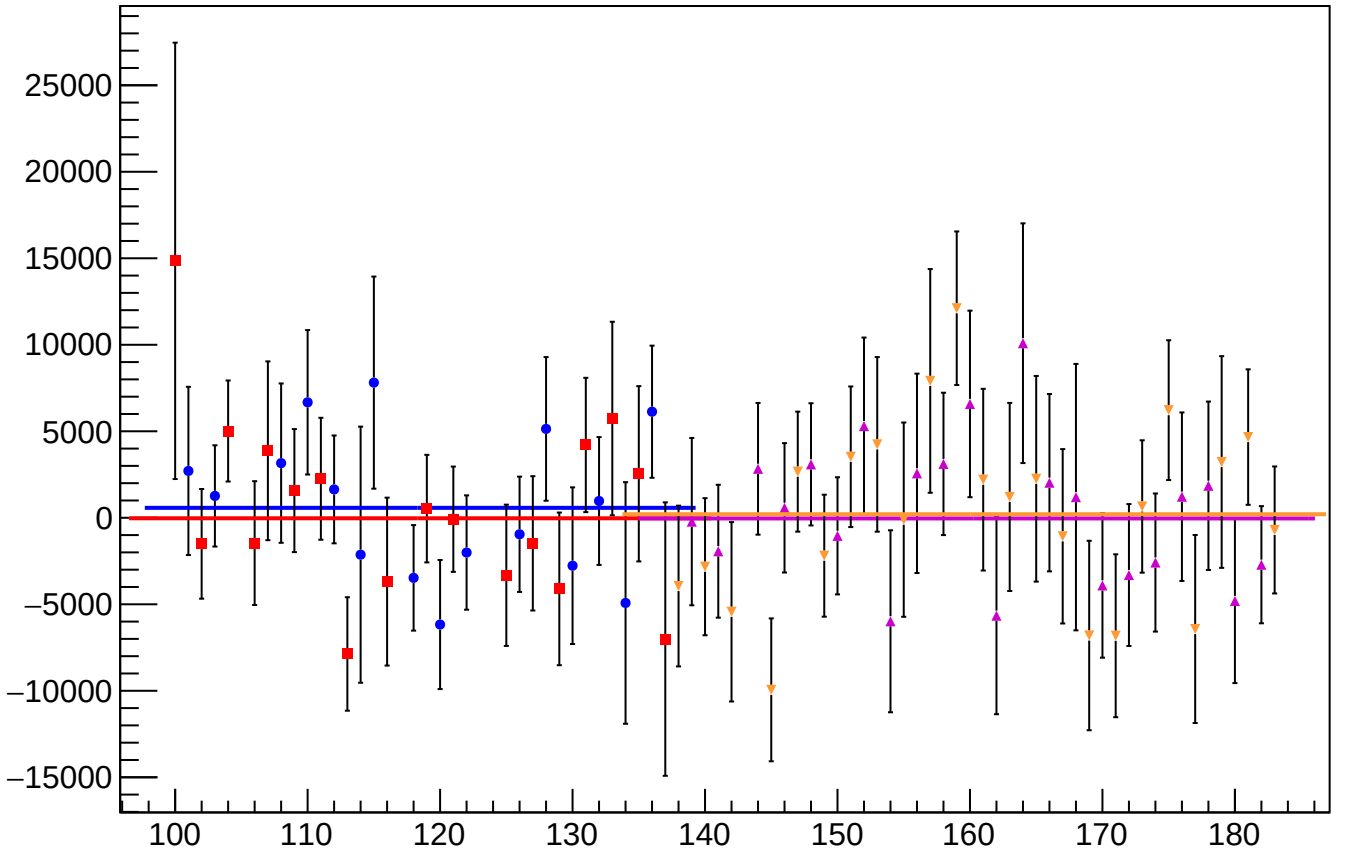
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1107.977+/-0.186 χ^2/NDF:420906.6/21

+ sign 1009.578+/-0.144 χ^2/NDF: 1507251.8/38

All: 1007.591+/-0.101 χ^2/NDF: 2960752.7/78

- sign 1005.602+/-0.144 χ^2/NDF: 1453117.1/39



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 206.272+/-944.251 χ^2/NDF:29.1/22

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

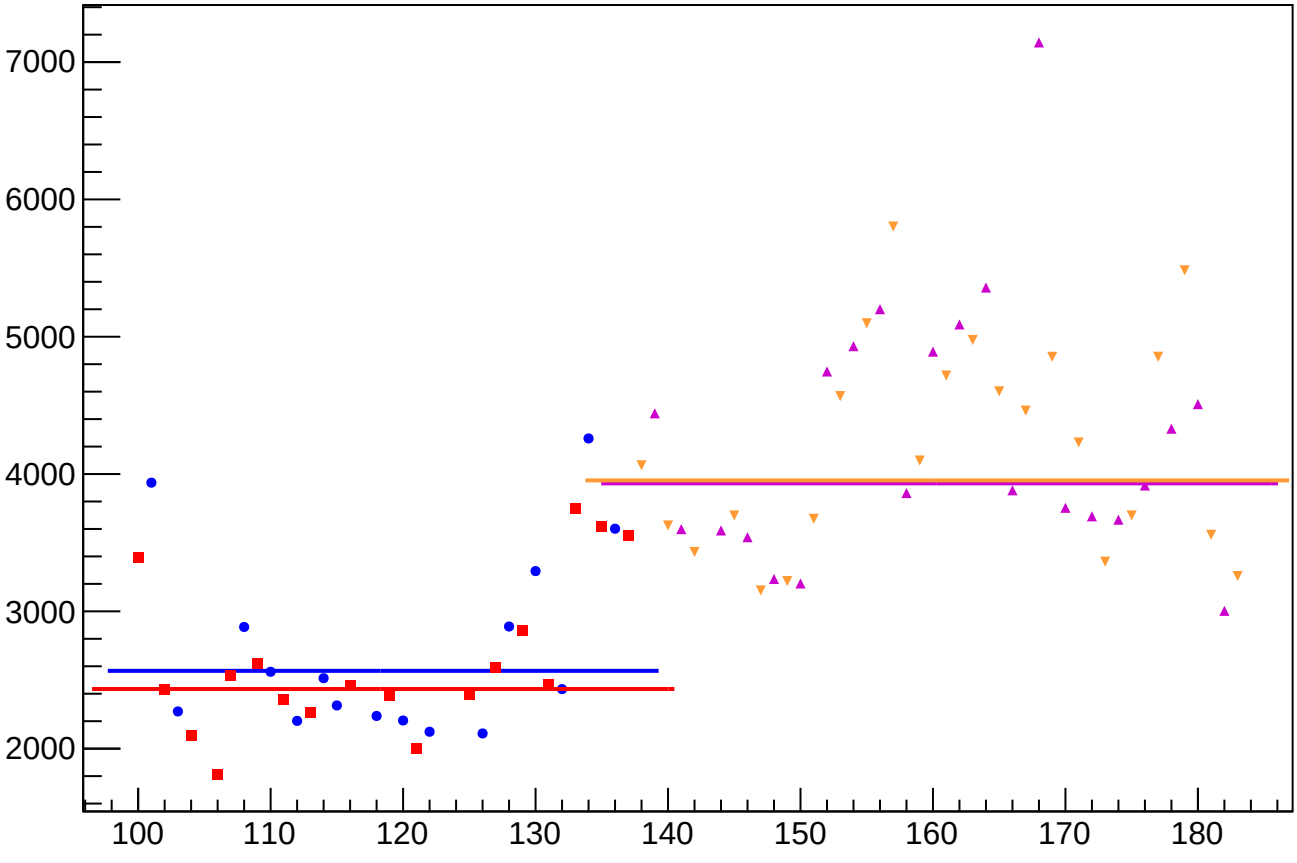
Left In: -38.620+/-945.518 χ^2/NDF:13.4/21

+ sign 383.798+/-679.925 χ^2/NDF: 43.8/38

All: 169.000+/-473.634 χ^2/NDF: 74.7/78

- sign -33.486+/-660.153 χ^2/NDF: 30.6/39

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.743+/-0.668 χ^2/NDF:1070409.6/22

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

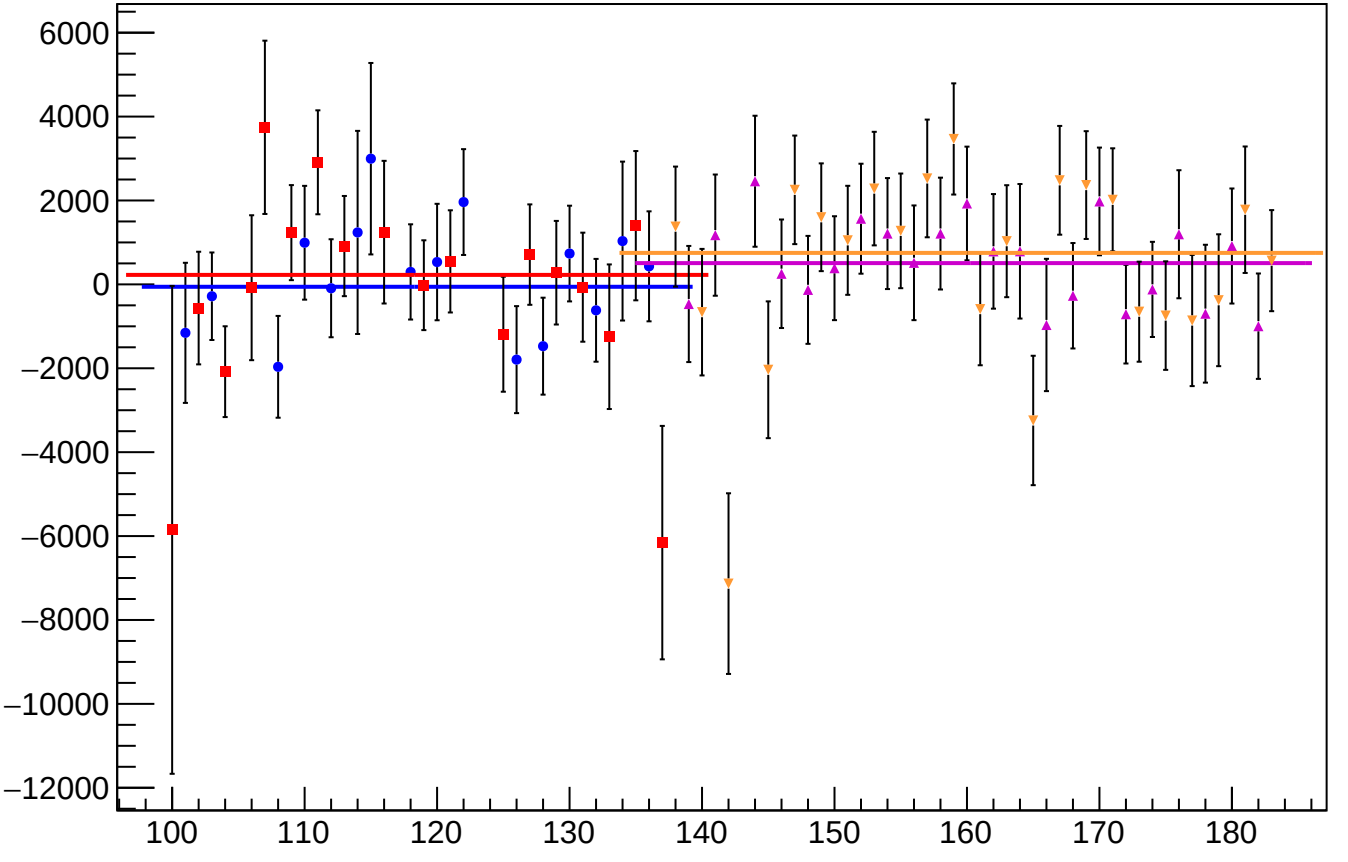
Left In: 3931.924+/-0.669 χ^2/NDF:1257798.5/21

+ sign 3285.895+/-0.481 χ^2/NDF: 3814122.3/38

All: 3223.363+/-0.335 χ^2/NDF: 8110080.1/78

- sign 3164.415+/-0.467 χ^2/NDF: 4263094.1/39

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 750.600+/-287.241 χ^2/NDF:43.4/22

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

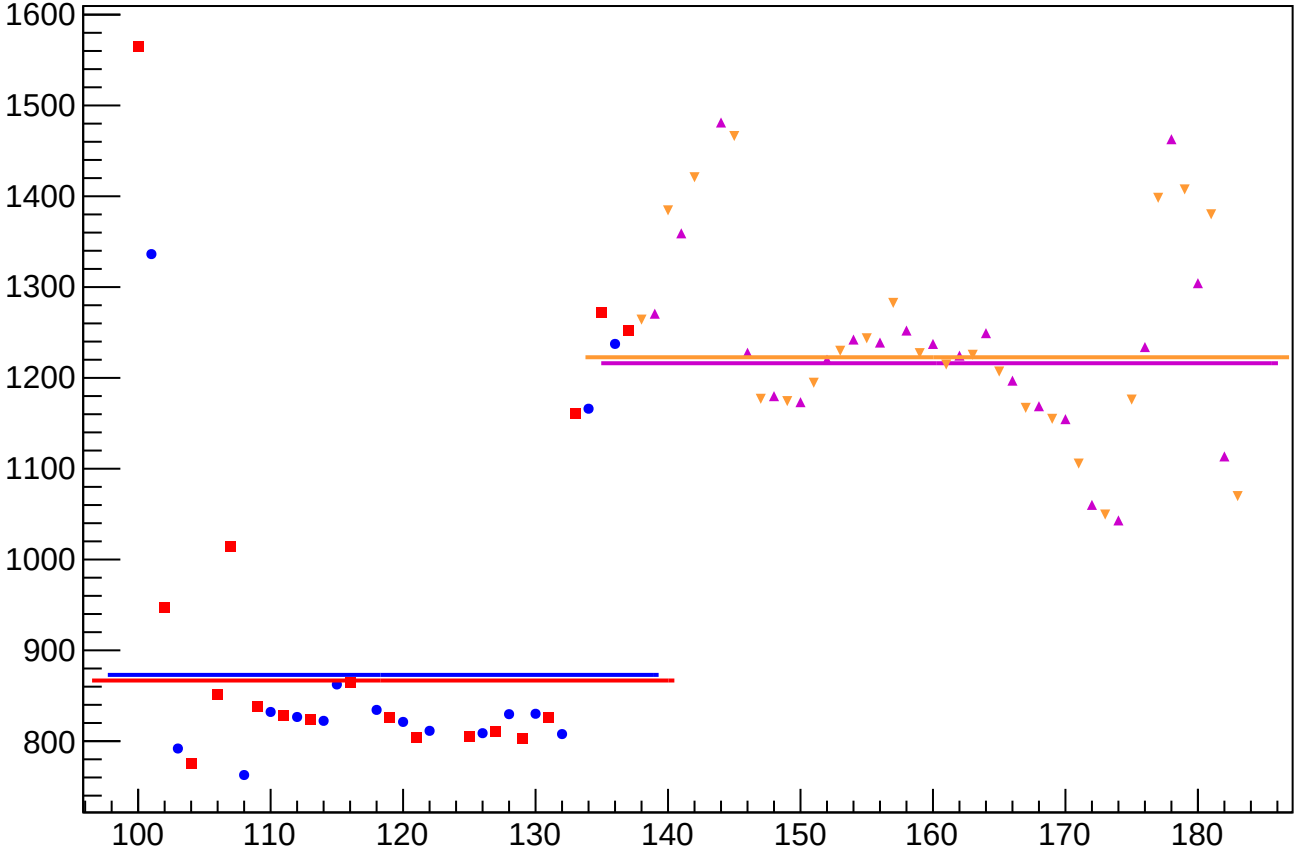
Left In: 507.036+/-287.554 χ^2/NDF:11.2/21

+ sign 402.495+/-216.686 χ^2/NDF: 59.8/38

All: 393.713+/-153.064 χ^2/NDF: 94.3/78

- sign 384.966+/-216.245 χ^2/NDF: 34.5/39

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1222.734+/-0.203 χ^2/NDF:276107.3/22

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

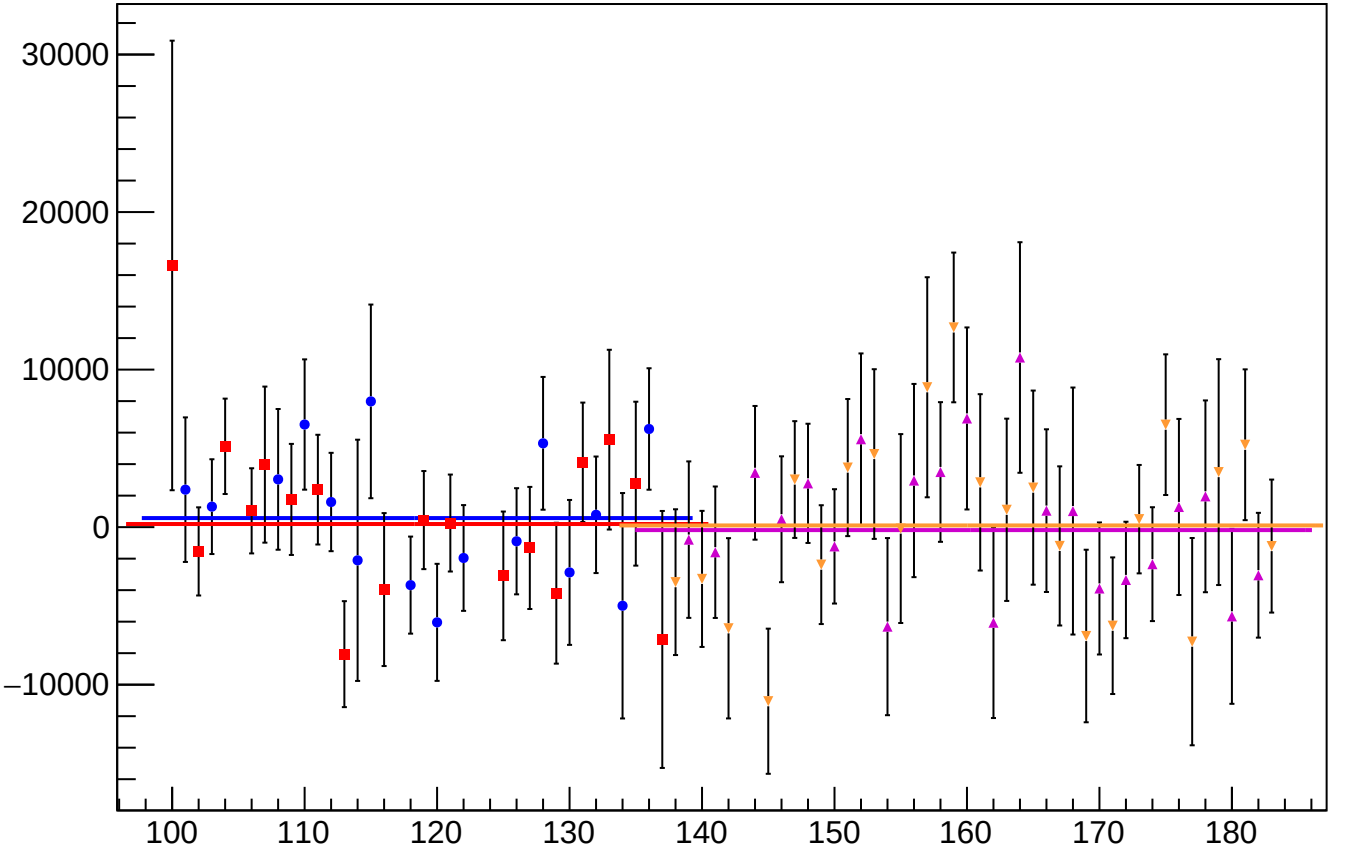
Left In: 1216.151+/-0.203 χ^2/NDF:245197.4/21

+ sign 1072.013+/-0.153 χ^2/NDF: 1971077.5/38

All: 1068.089+/-0.108 χ^2/NDF: 3792166.2/78

- sign 1064.185+/-0.153 χ^2/NDF: 1819780.5/39

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 107.820+/-1004.138 χ^2/NDF:28.5/22

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

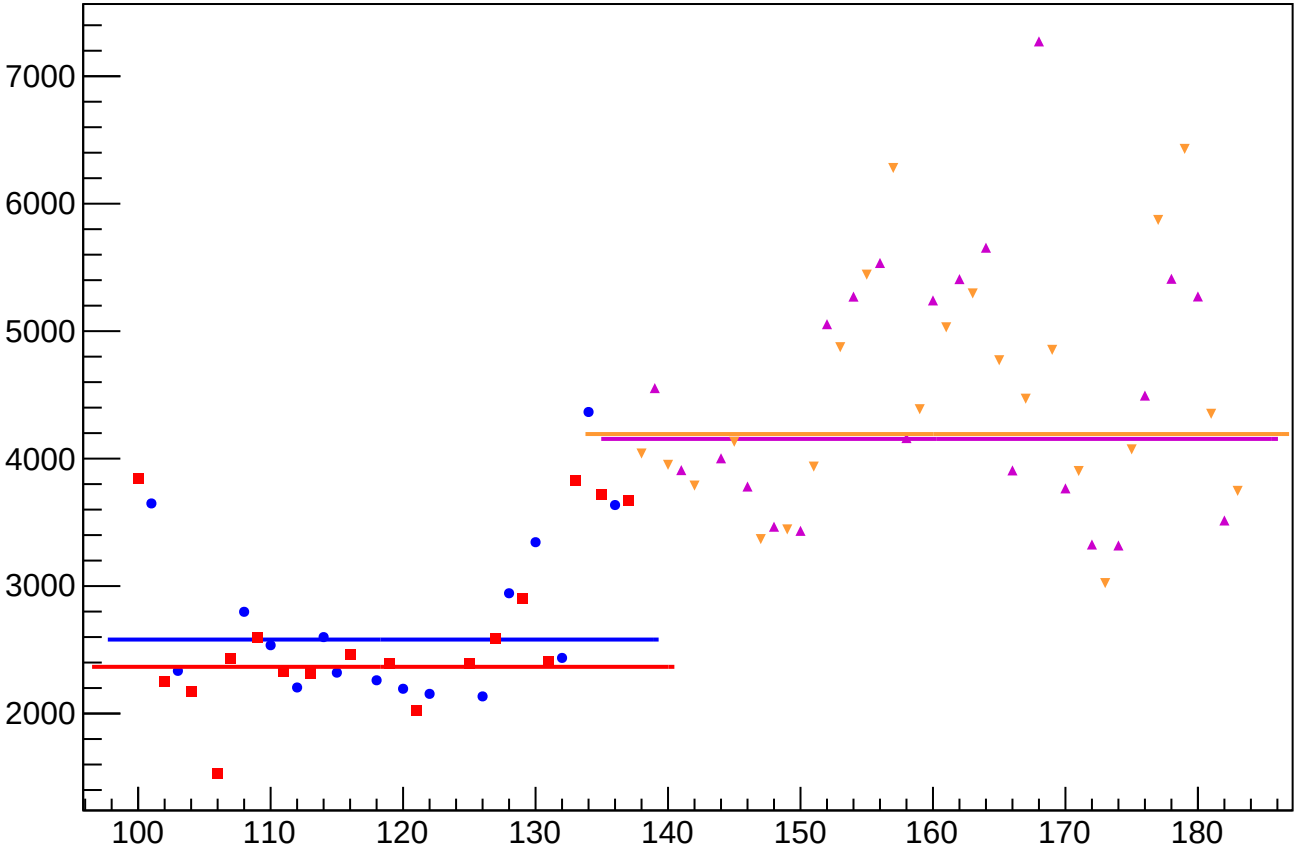
Left In: -188.323+/-1001.817 χ^2/NDF:13.2/21

\+ sign 346.069+/-703.128 χ^2/NDF: 43.3/38

All: 177.980+/-483.938 χ^2/NDF: 73.9/78

\- sign 26.687+/-667.077 χ^2/NDF: 30.4/39

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4192.819+/-0.710 χ^2/NDF:1265538.0/22

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

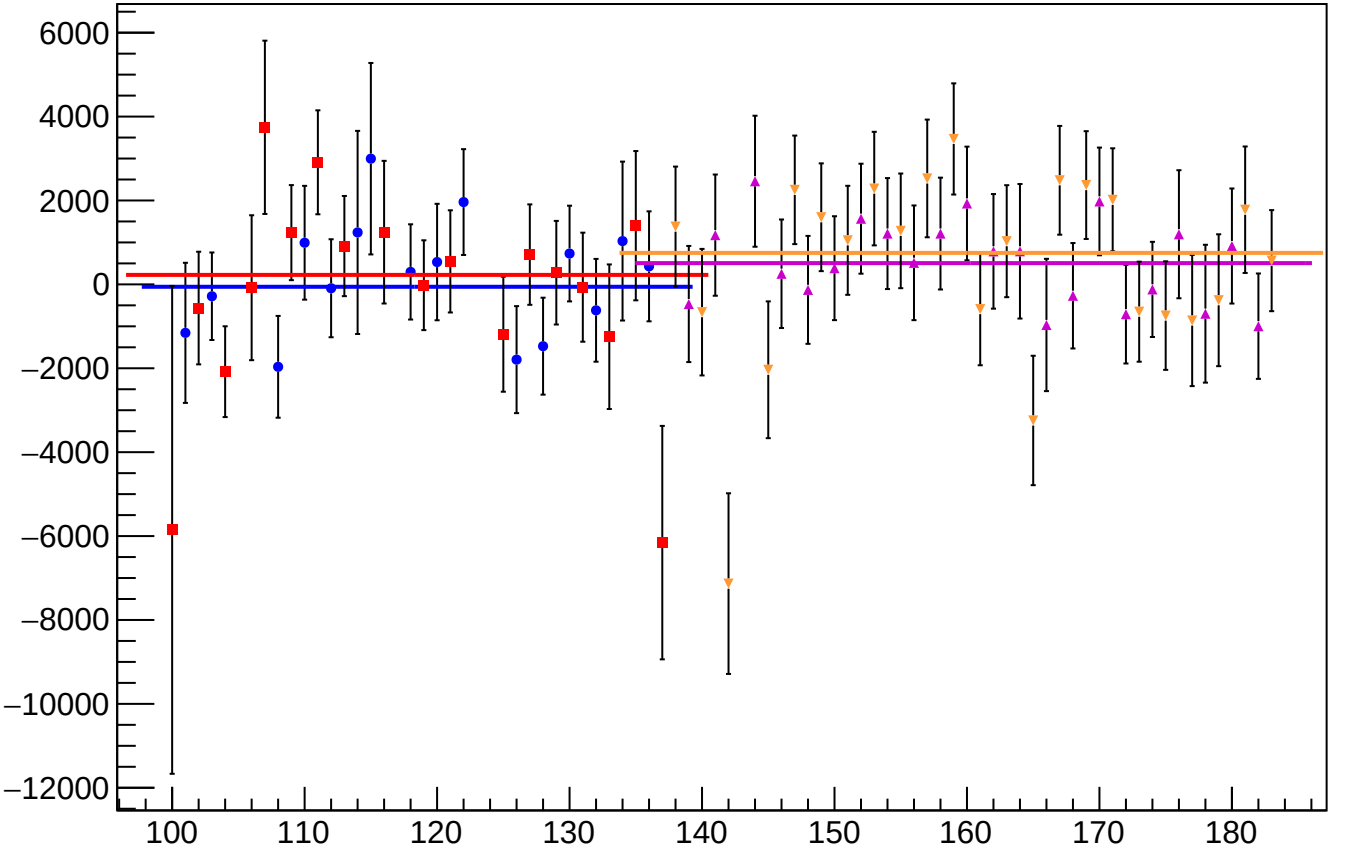
Left In: 4154.499+/-0.708 χ^2/NDF:1432063.4/21

+ sign 3370.994+/-0.497 χ^2/NDF: 4511186.1/38

All: 3259.535+/-0.342 χ^2/NDF: 10196852.6/7

- sign 3159.213+/-0.472 χ^2/NDF: 5590175.4/39

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 750.602+/-287.241 χ^2/NDF:43.4/22

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

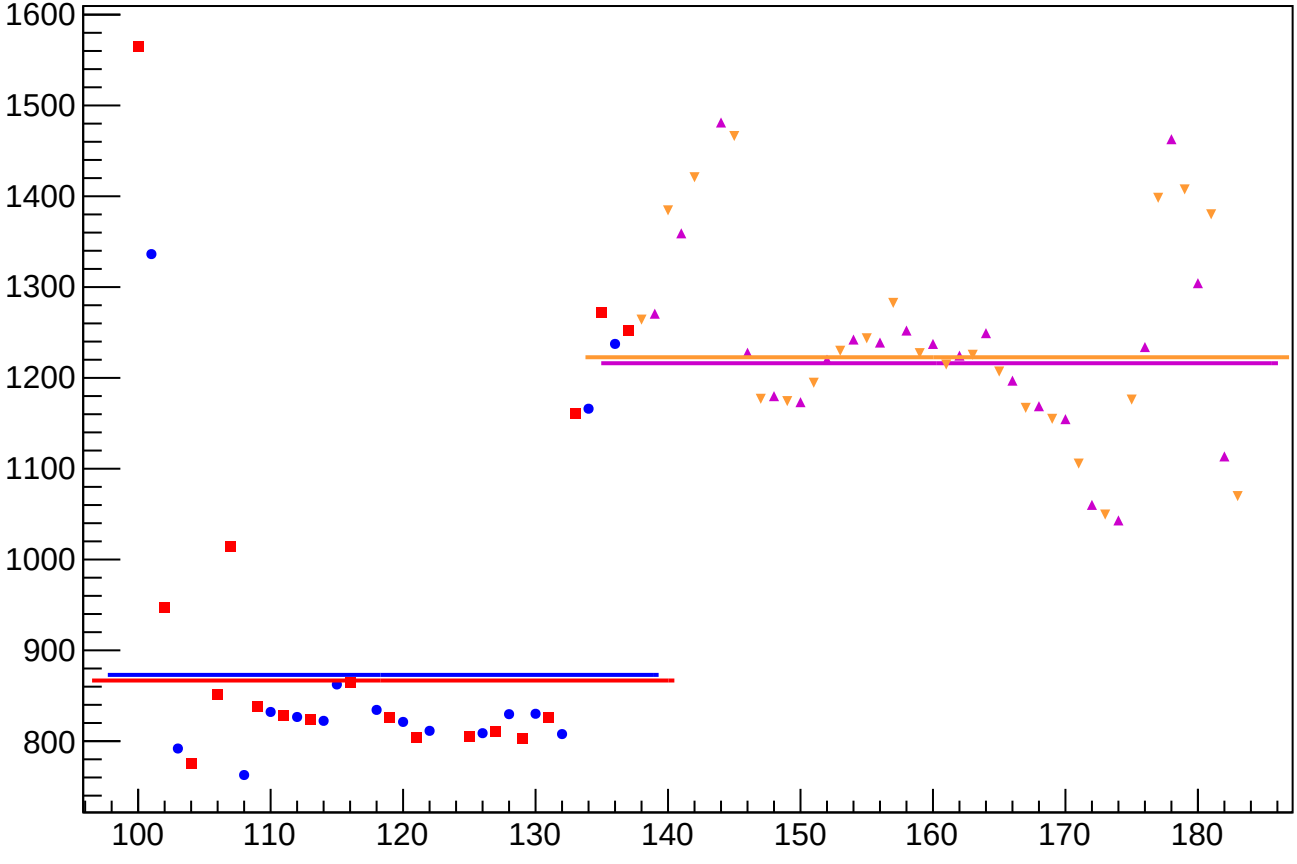
Left In: 507.034+/-287.555 χ^2/NDF:11.2/21

+ sign 402.495+/-216.686 χ^2/NDF: 59.8/38

All: 393.712+/-153.064 χ^2/NDF: 94.3/78

- sign 384.966+/-216.245 χ^2/NDF: 34.5/39

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1222.735+/-0.203 χ^2/NDF:276119.1/22

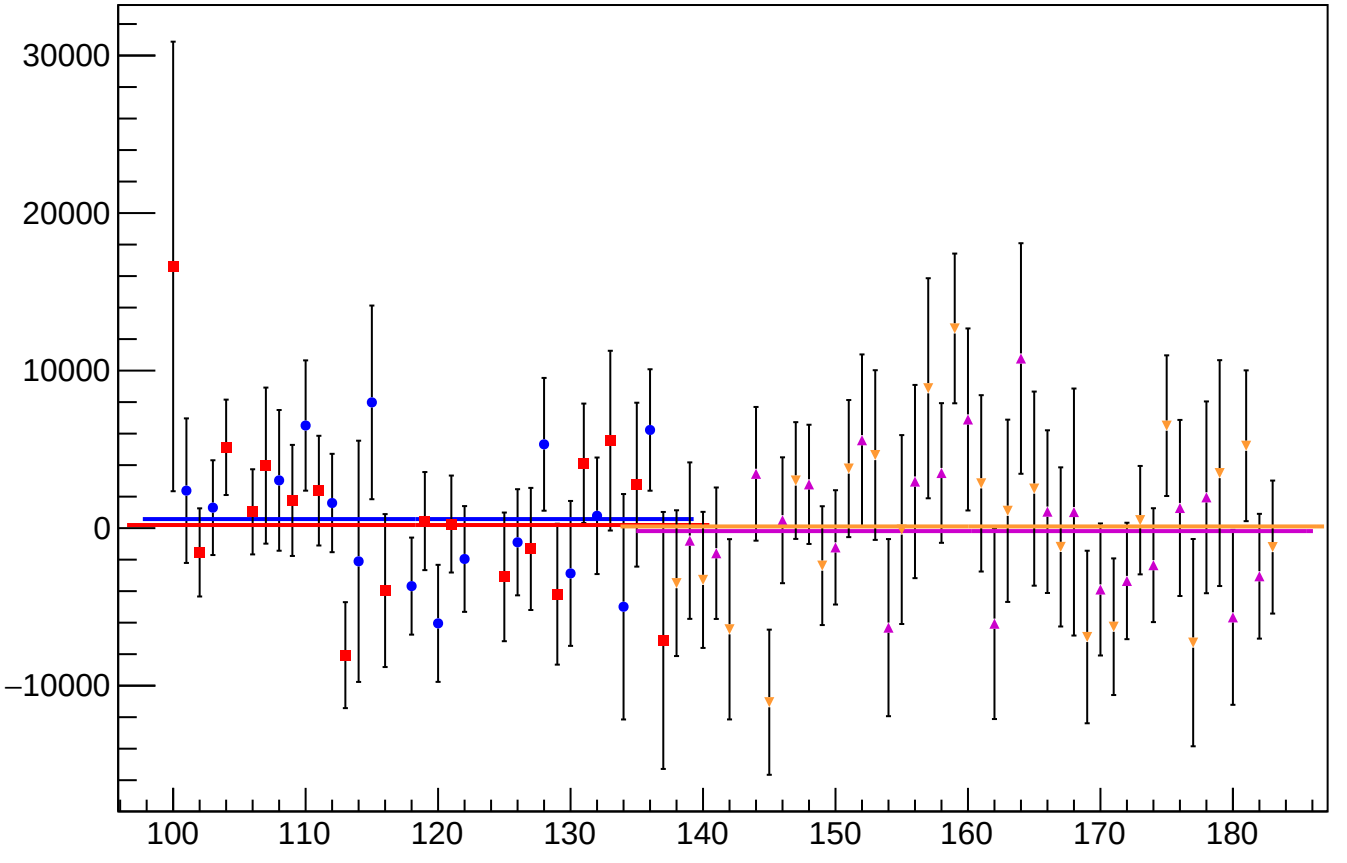
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1216.152+/-0.203 χ^2/NDF:245208.3/21

+ sign 1072.013+/-0.153 χ^2/NDF: 1971094.3/38

All: 1068.090+/-0.108 χ^2/NDF: 3792199.6/78

- sign 1064.185+/-0.153 χ^2/NDF: 1819797.2/39



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 107.822+/-1004.140 χ^2/NDF:28.5/22

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

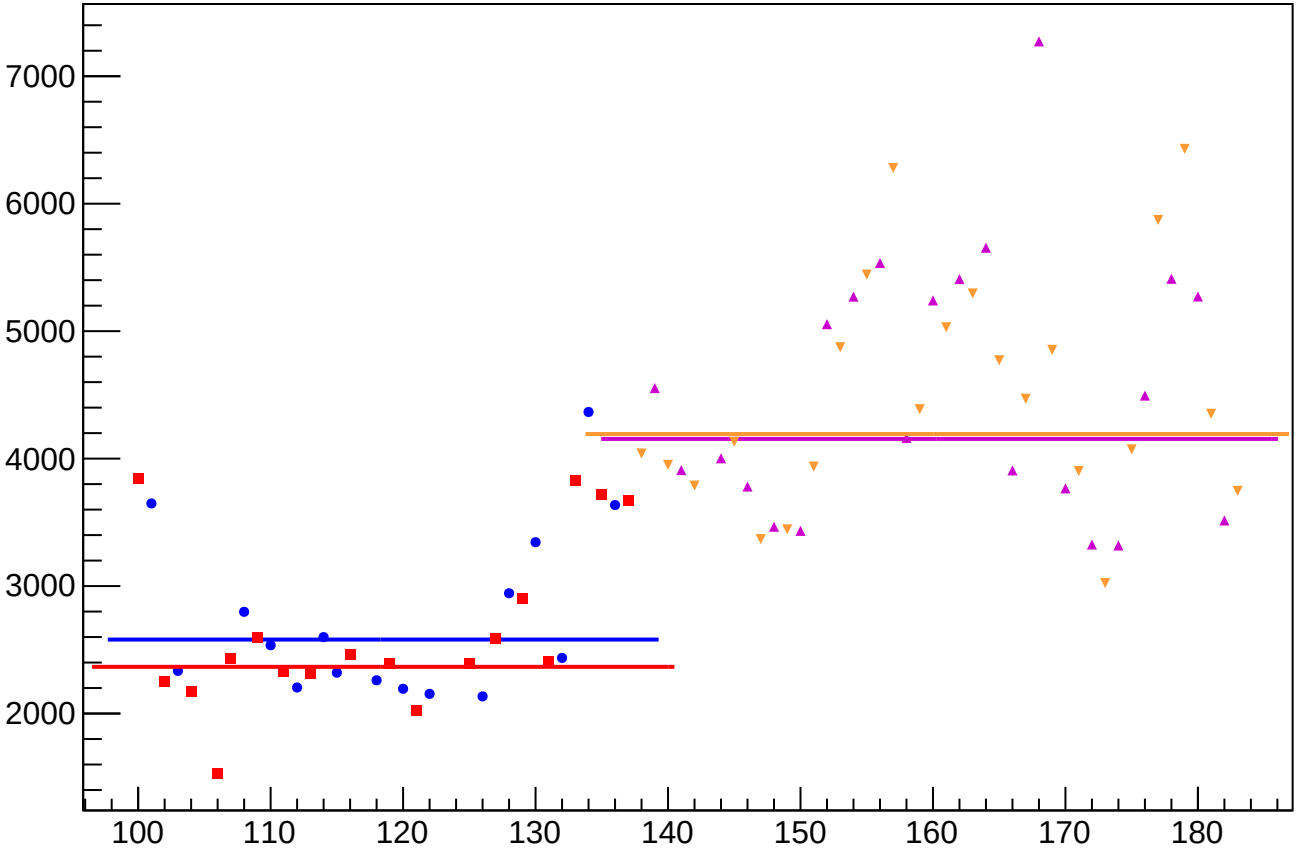
Left In: -188.323+/-1001.818 χ^2/NDF:13.2/21

\+ sign 346.069+/-703.128 χ^2/NDF: 43.3/38

All: 177.981+/-483.937 χ^2/NDF: 73.9/78

\- sign 26.688+/-667.077 χ^2/NDF: 30.4/39

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4192.827+/-0.710 χ^2/NDF:1265537.0/22

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

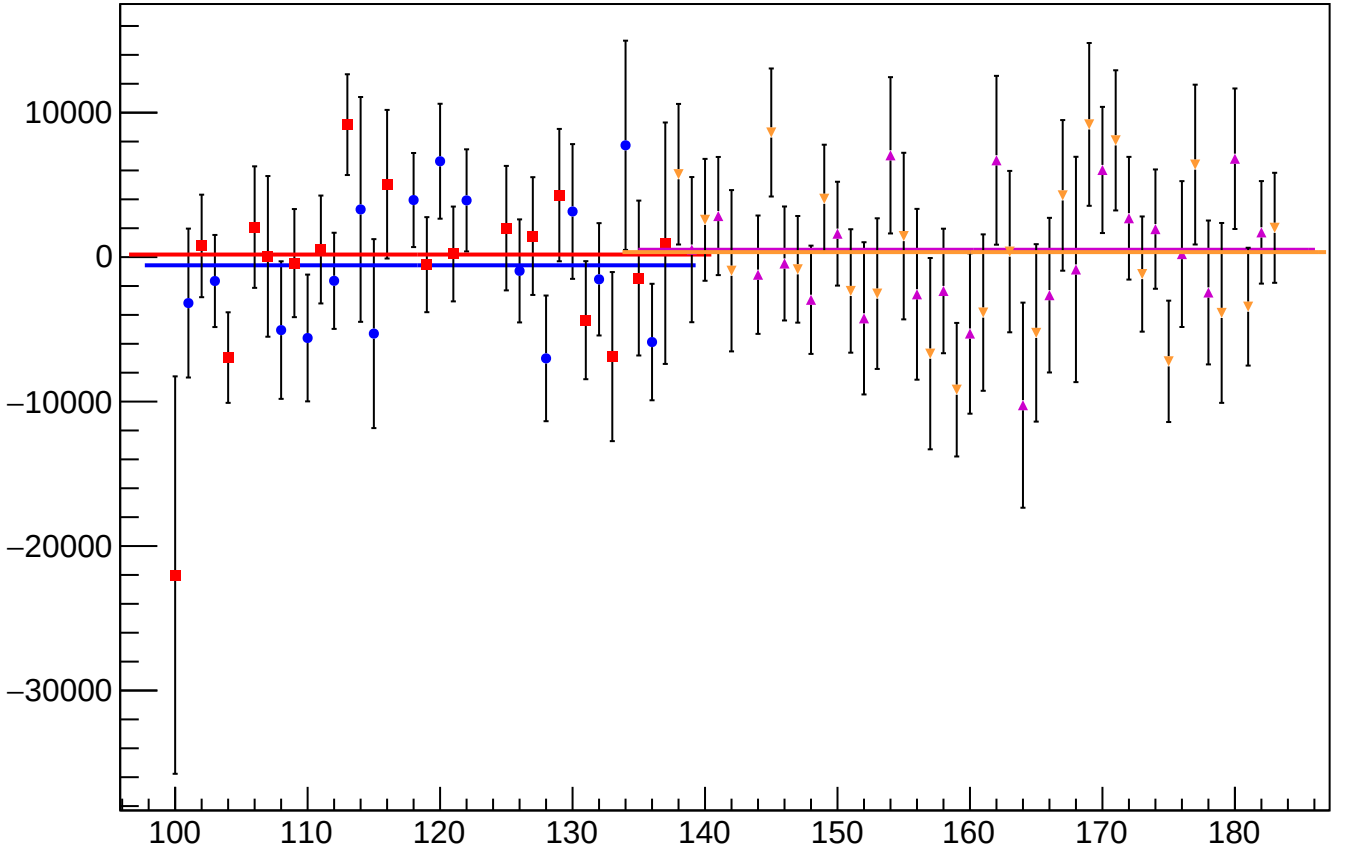
Left In: 4154.506+/-0.708 χ^2/NDF:1432064.7/21

+ sign 3370.990+/-0.497 χ^2/NDF: 4511248.5/38

All: 3259.531+/-0.342 χ^2/NDF: 10196977.7/7

- sign 3159.208+/-0.472 χ^2/NDF: 5590237.8/39

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 346.786+/-986.252 χ^2/NDF:25.3/22

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

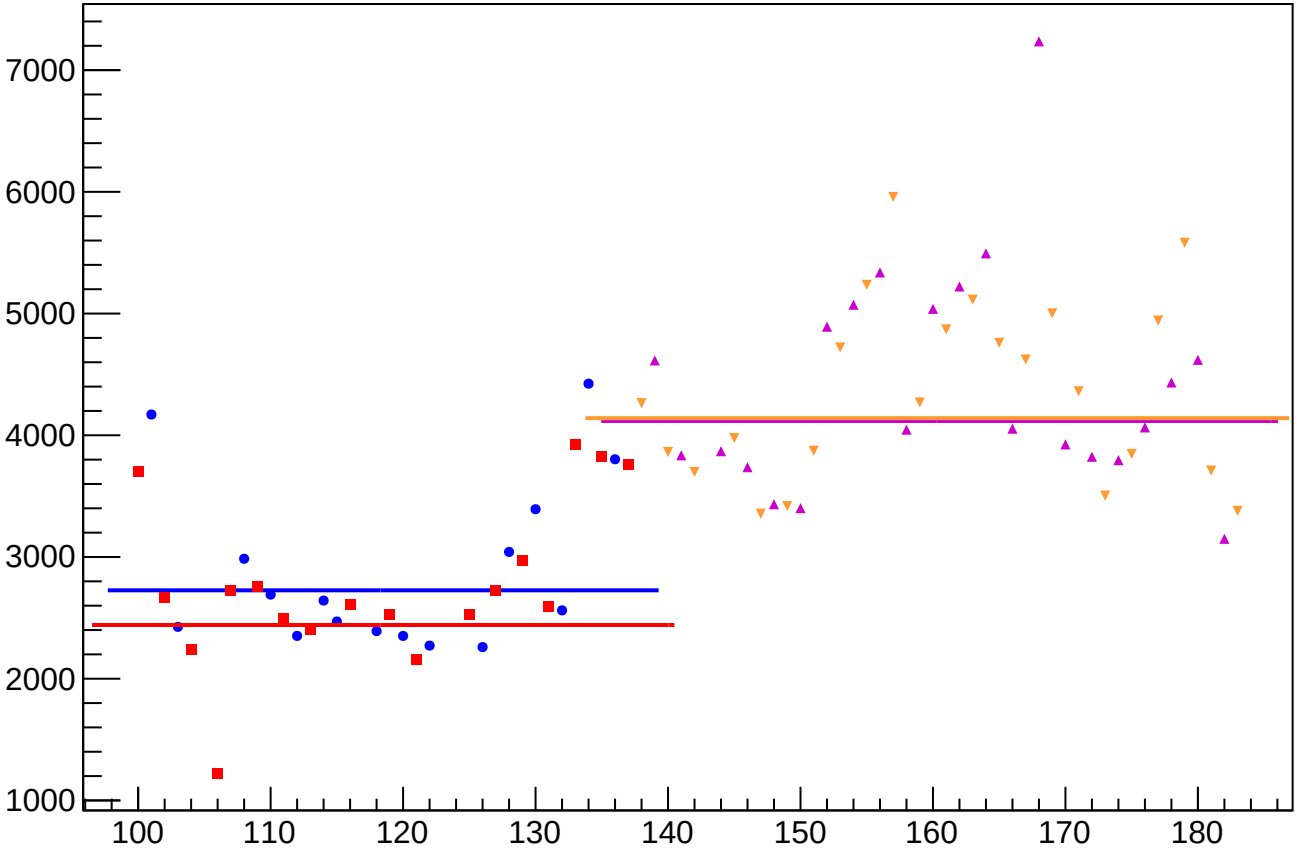
Left In: 509.119+/-987.659 χ^2/NDF:13.5/21

+ sign -85.320+/-715.735 χ^2/NDF: 42.0/38

All: 134.516+/-499.947 χ^2/NDF: 75.2/78

- sign 343.976+/-698.639 χ^2/NDF: 33.1/39

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4140.711+/-0.697 χ^2/NDF:944735.3/22

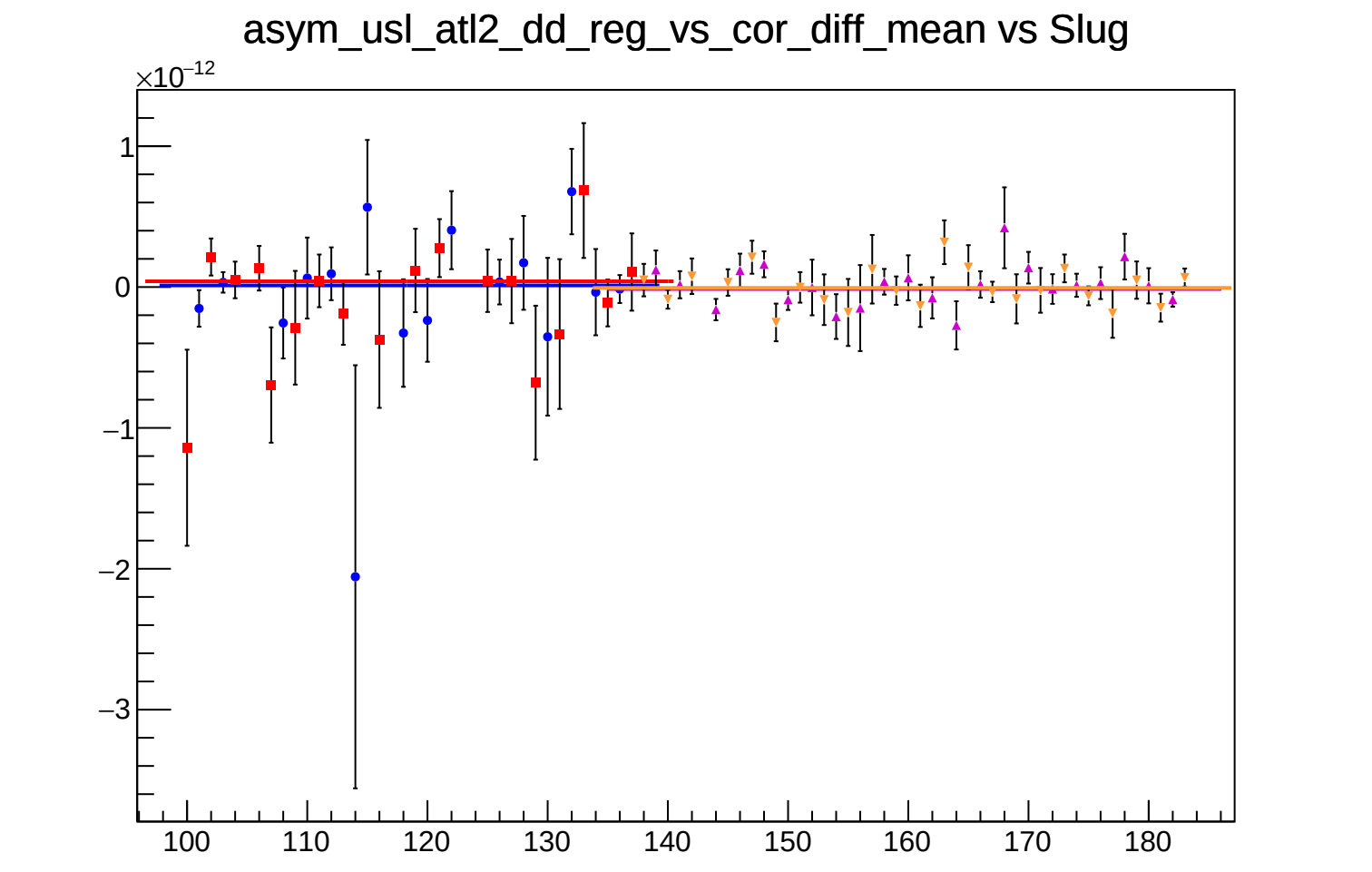
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4117.324+/-0.698 χ^2/NDF:1118369.3/21

+ sign 3471.177+/-0.506 χ^2/NDF: 3515073.4/38

All: 3350.436+/-0.349 χ^2/NDF: 8645206.3/78

- sign 3240.772+/-0.482 χ^2/NDF: 5021523.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/22

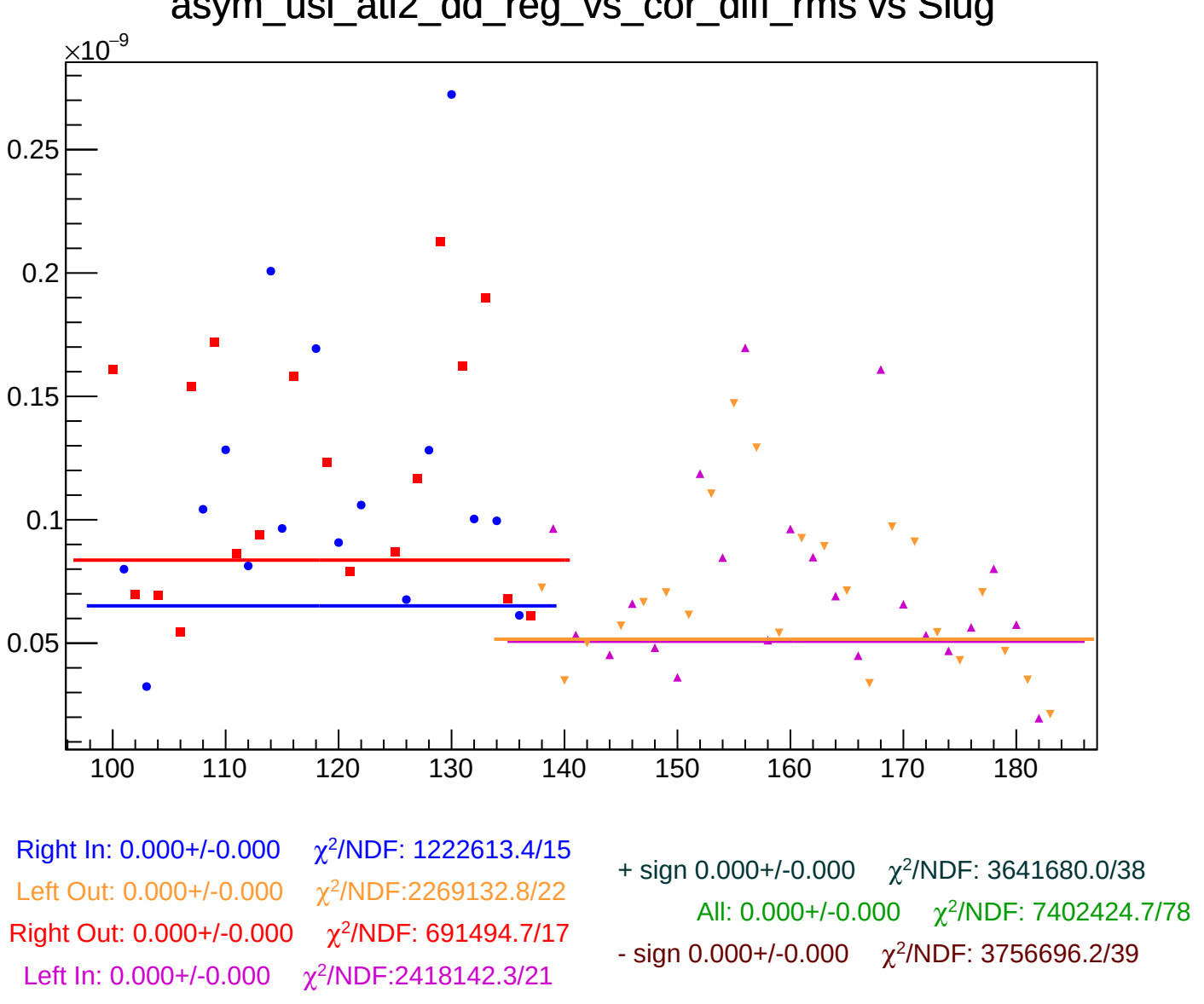
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:24.0/21

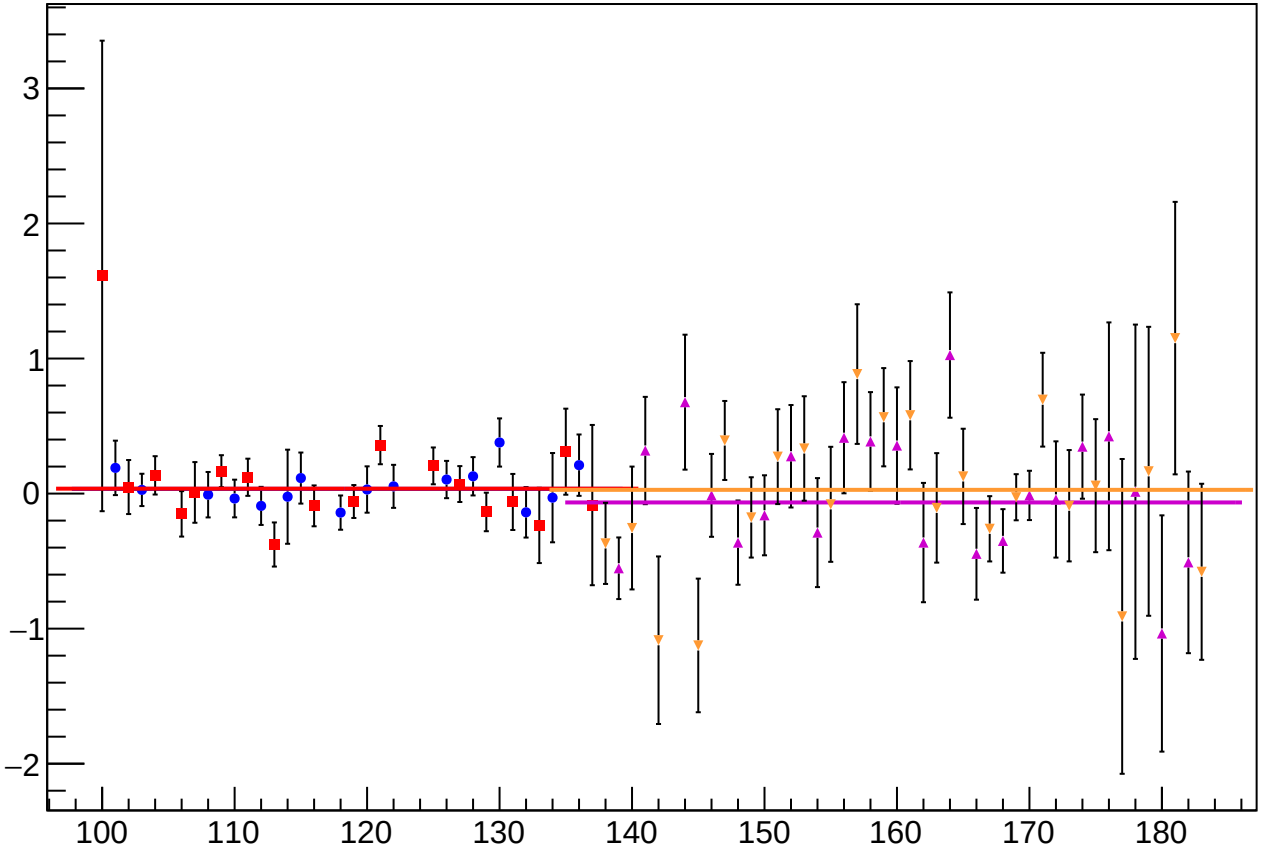
+ sign -0.000+/-0.000 χ^2/NDF: 39.2/38

All: -0.000+/-0.000 χ^2/NDF: 81.1/78

- sign -0.000+/-0.000 χ^2/NDF: 41.9/39


asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1222613.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2269132.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 691494.7/17
Left In: 0.000+/-0.000 χ²/NDF:2418142.3/21
+ sign 0.000+/-0.000 χ²/NDF: 3641680.0/38
All: 0.000+/-0.000 χ²/NDF: 7402424.7/78
- sign 0.000+/-0.000 χ²/NDF: 3756696.2/39

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.028+/-0.076 χ^2/NDF:29.1/22

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

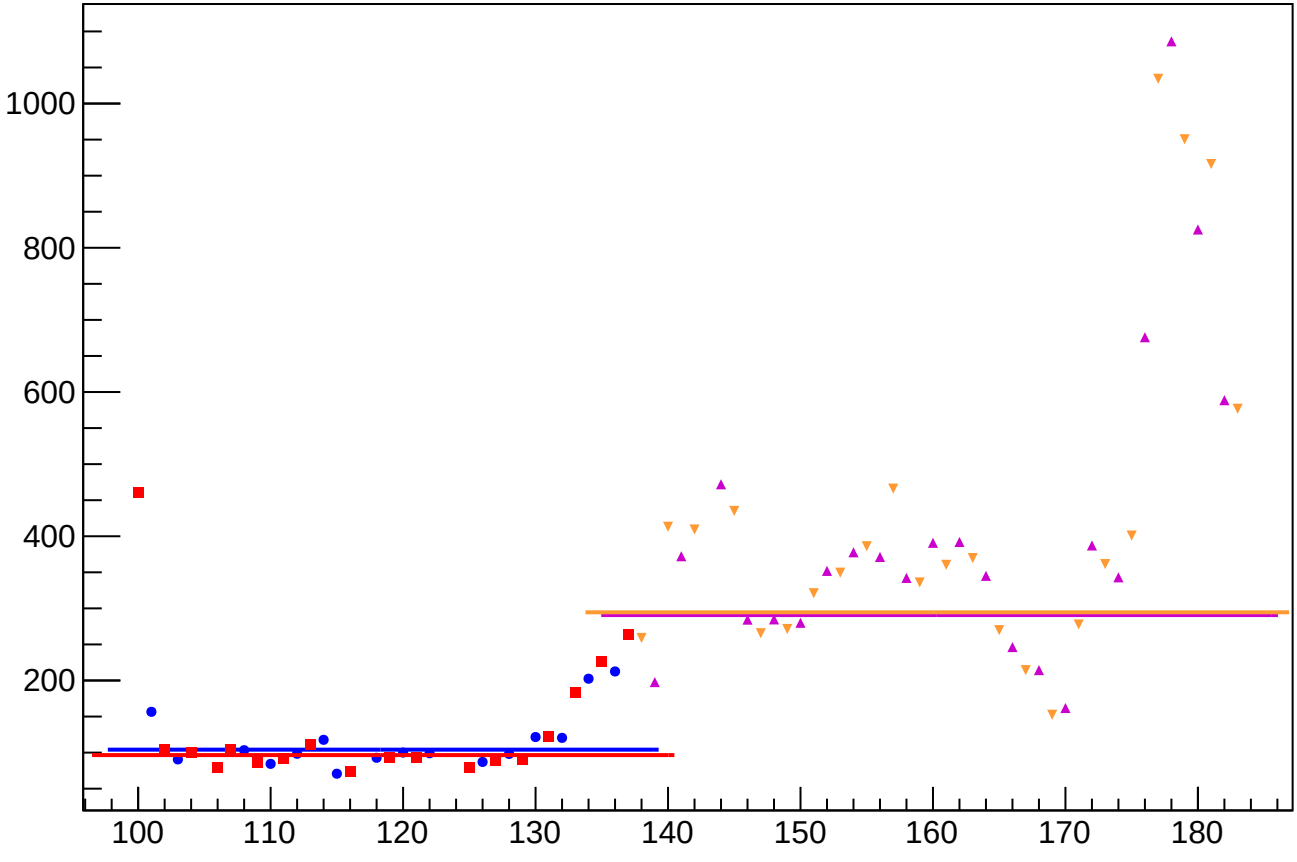
Left In: -0.066+/-0.075 χ^2/NDF:25.7/21

+ sign 0.033+/-0.036 χ^2/NDF: 38.8/38

All: 0.024+/-0.025 χ^2/NDF: 88.1/78

- sign 0.015+/-0.035 χ^2/NDF: 49.2/39

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 294.544+/-0.054 χ^2/NDF:5396458.7/22

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

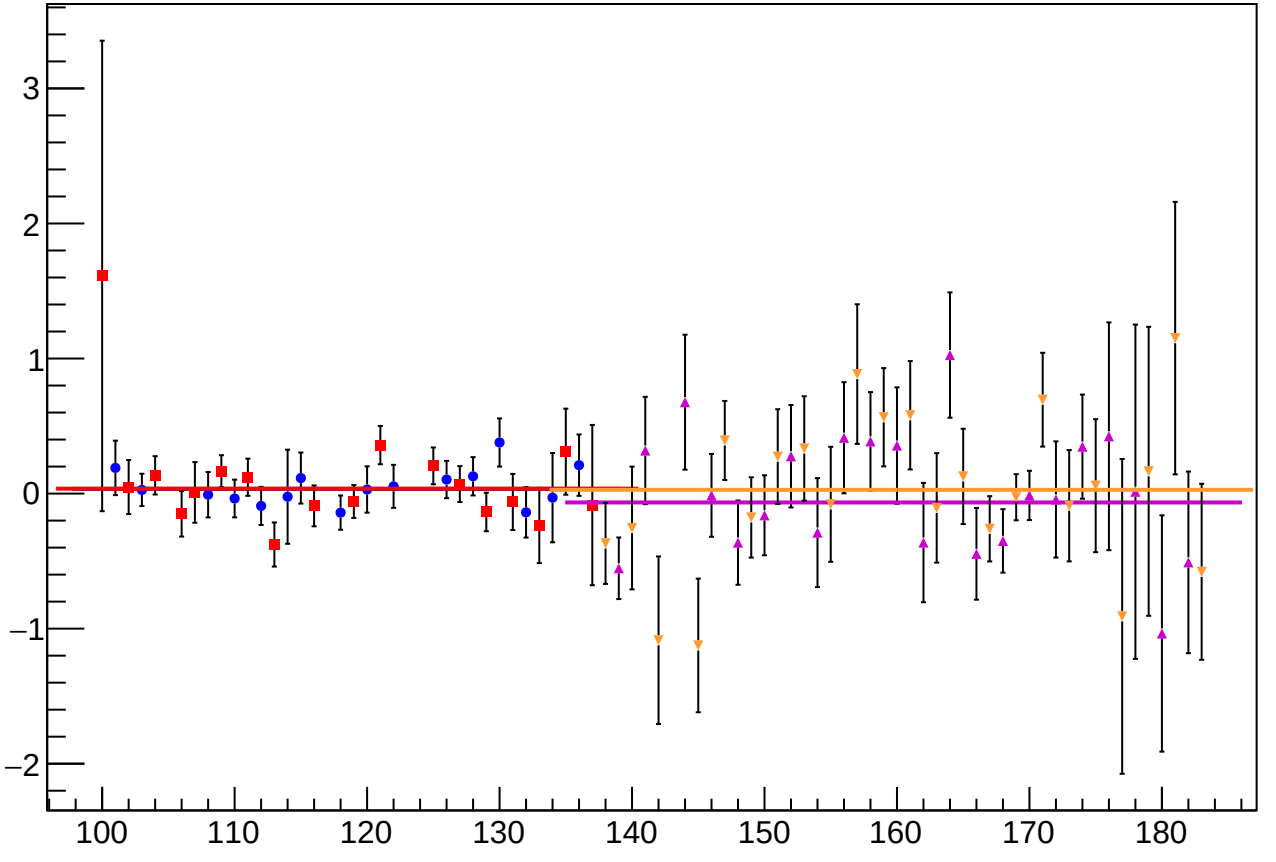
Left In: 290.713+/-0.053 χ^2/NDF:4949553.2/21

+ sign 146.903+/-0.026 χ^2/NDF: 16070596.3/38

All: 142.124+/-0.018 χ^2/NDF: 32611702.0/78

- sign 137.757+/-0.024 χ^2/NDF: 16474114.3/39

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.028+/-0.076 χ^2/NDF:29.1/22

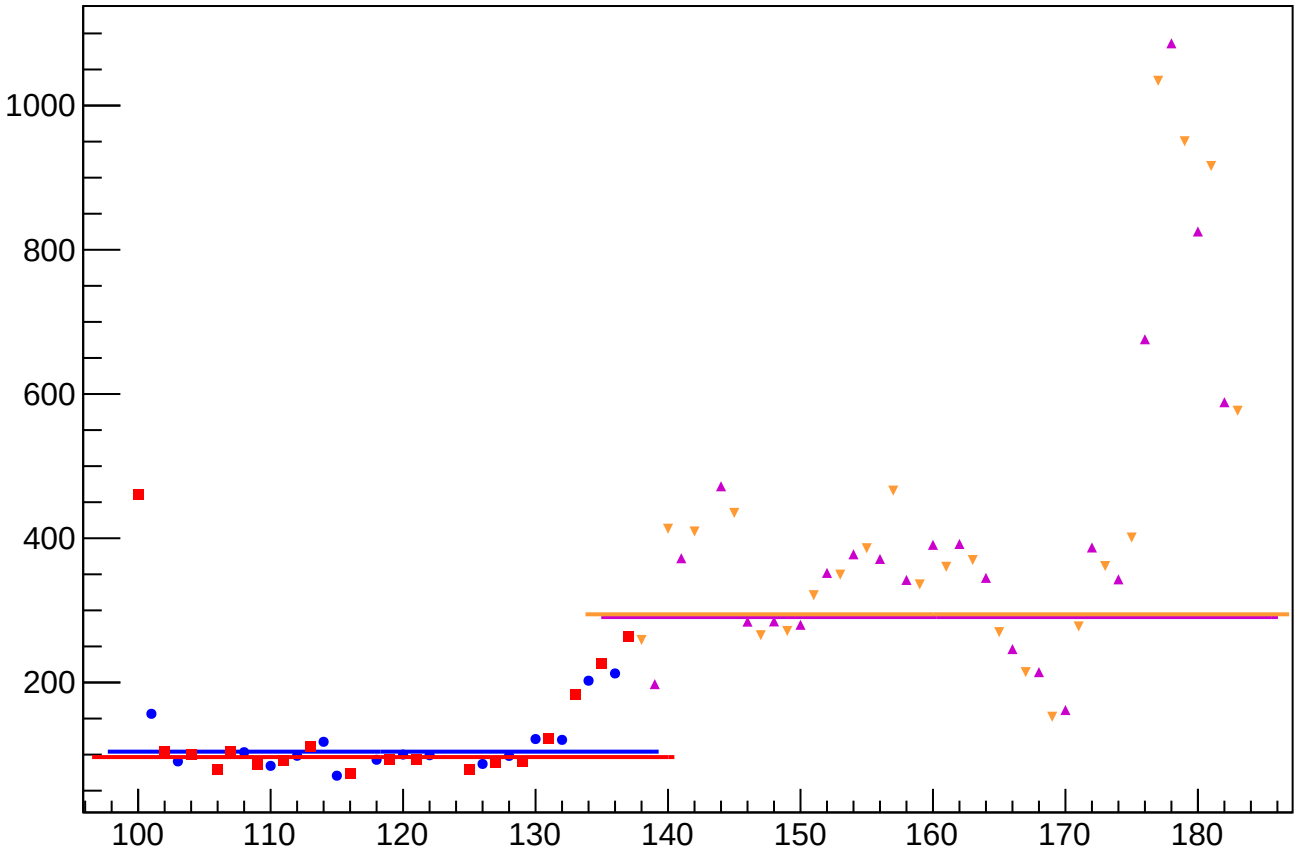
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.066+/-0.075 χ^2/NDF:25.7/21

+ sign 0.033+/-0.036 χ^2/NDF: 38.8/38

All: 0.024+/-0.025 χ^2/NDF: 88.1/78

- sign 0.015+/-0.035 χ^2/NDF: 49.2/39



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 294.544+/-0.054 χ^2/NDF:5396458.7/22

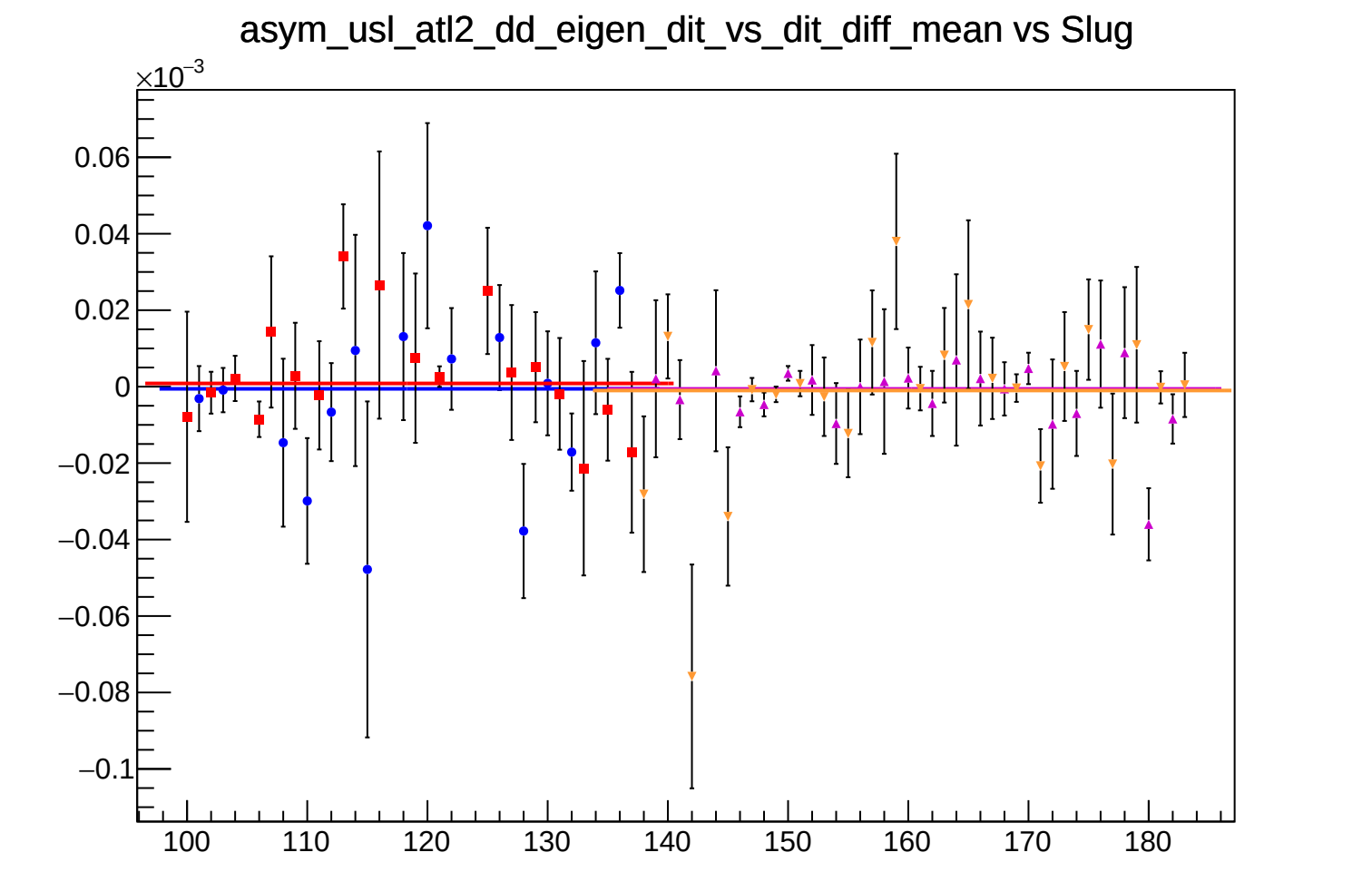
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 290.713+/-0.053 χ^2/NDF:4949553.2/21

+ sign 146.903+/-0.026 χ^2/NDF: 16070596.3/38

All: 142.124+/-0.018 χ^2/NDF: 32611702.0/78

- sign 137.757+/-0.024 χ^2/NDF: 16474114.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.6/22

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

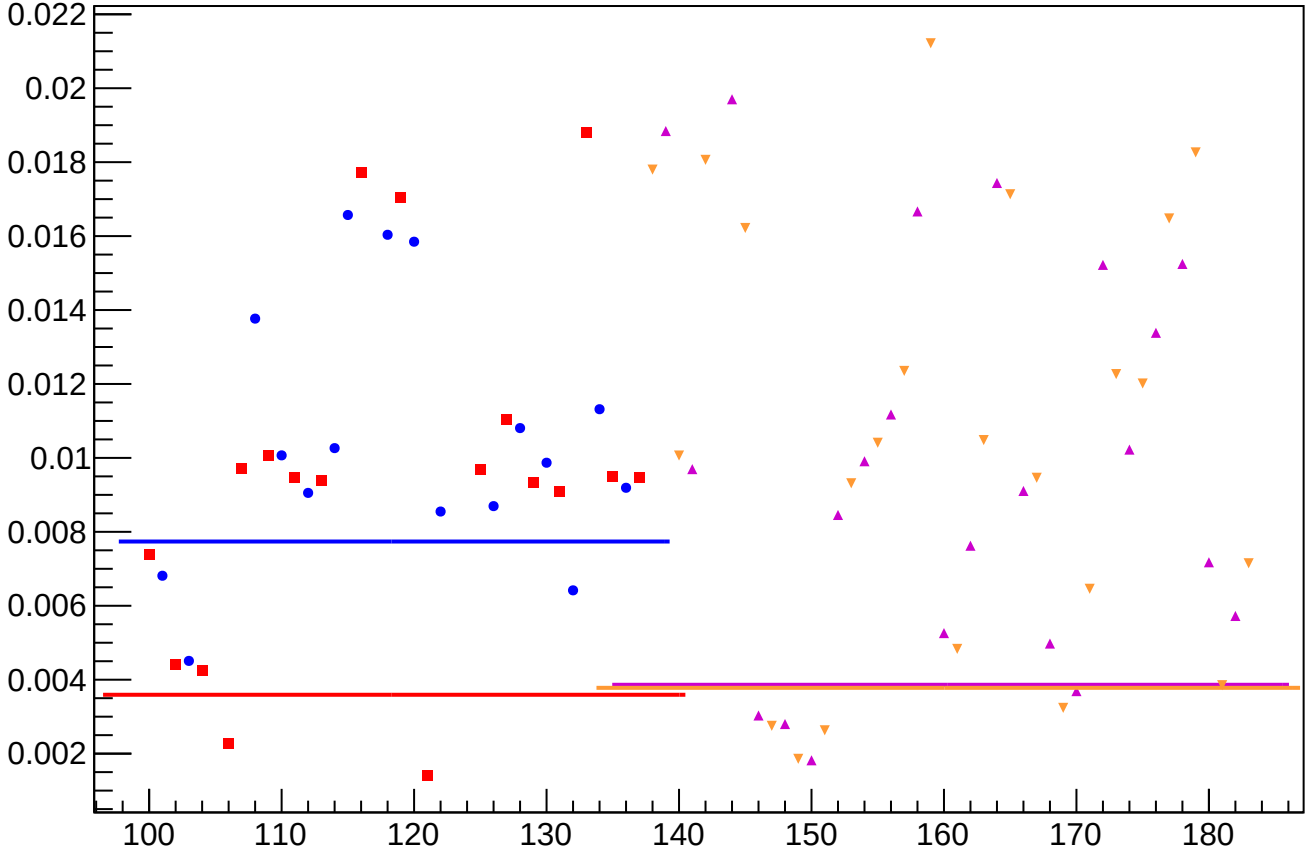
Left In: -0.000+/-0.000 χ^2/NDF:28.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 51.6/38

All: -0.000+/-0.000 χ^2/NDF: 96.7/78

- sign -0.000+/-0.000 χ^2/NDF: 44.8/39

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:14402349.0/22

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

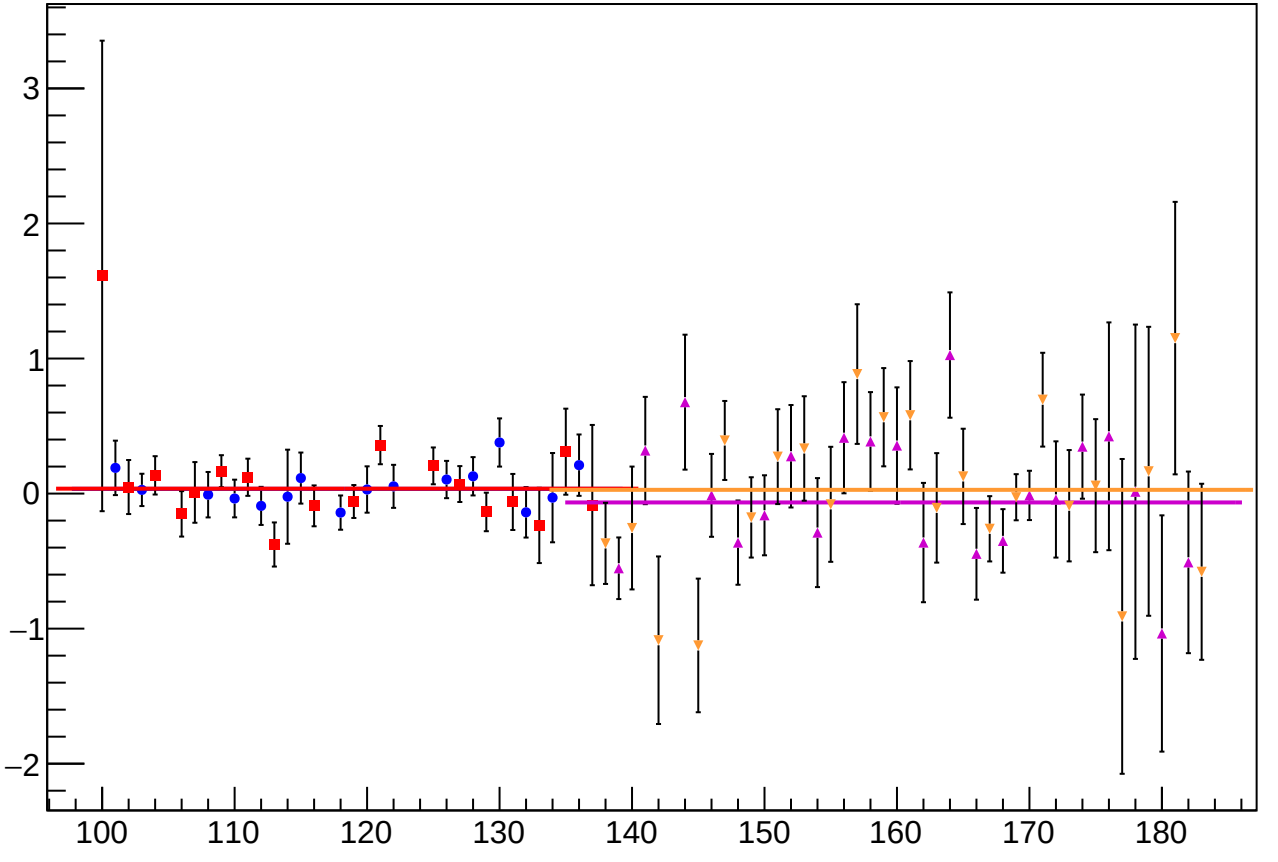
Left In: 0.004+/-0.000 χ^2/NDF:13293434.3/21

+ sign 0.004+/-0.000 χ^2/NDF: 18924091.3/38

All: 0.004+/-0.000 χ^2/NDF: 38838255.5/78

- sign 0.004+/-0.000 χ^2/NDF: 19687951.9/39

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.028+/-0.076 χ^2/NDF:29.1/22

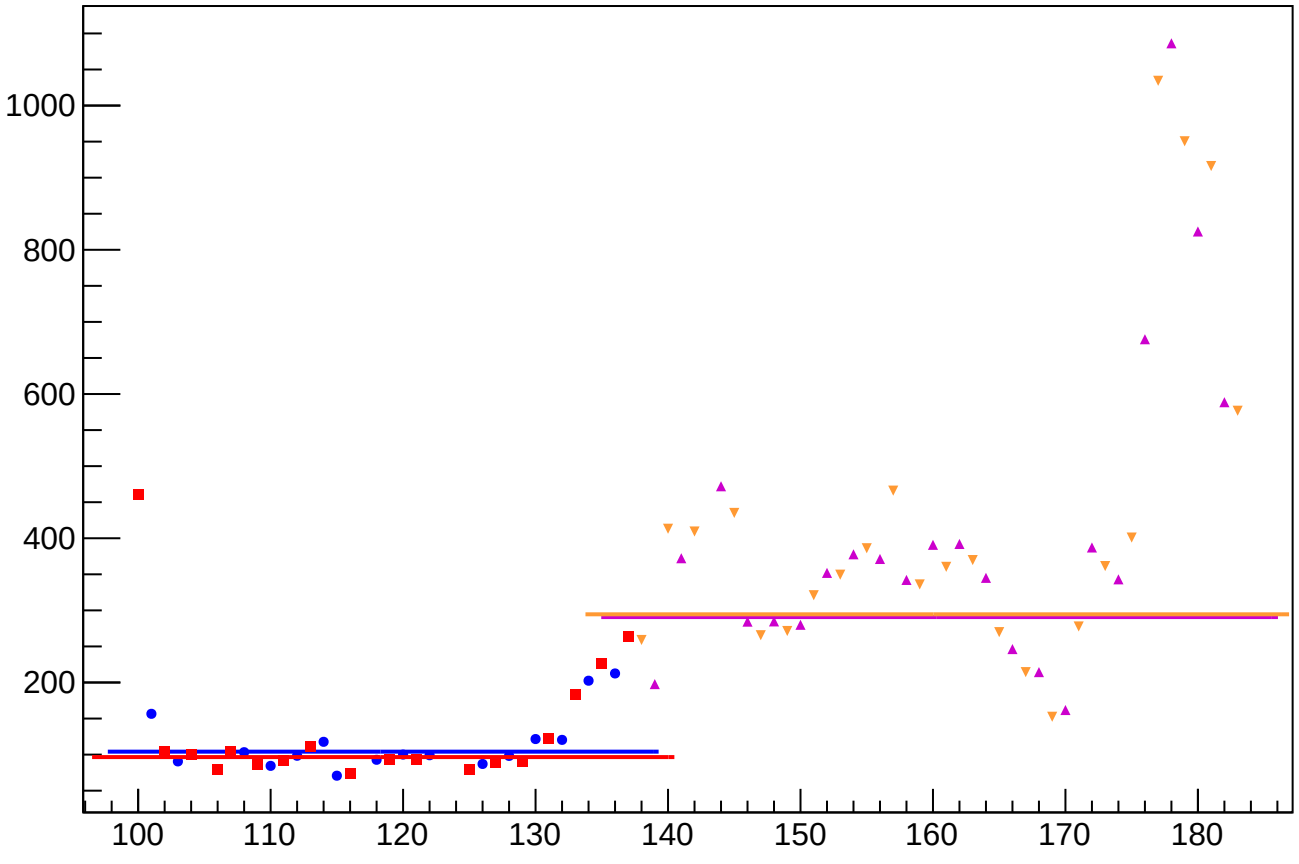
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.066+/-0.075 χ^2/NDF:25.7/21

+ sign 0.033+/-0.036 χ^2/NDF: 38.8/38

All: 0.024+/-0.025 χ^2/NDF: 88.1/78

- sign 0.015+/-0.035 χ^2/NDF: 49.2/39



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 294.546+/-0.054 χ^2/NDF:5396517.1/22

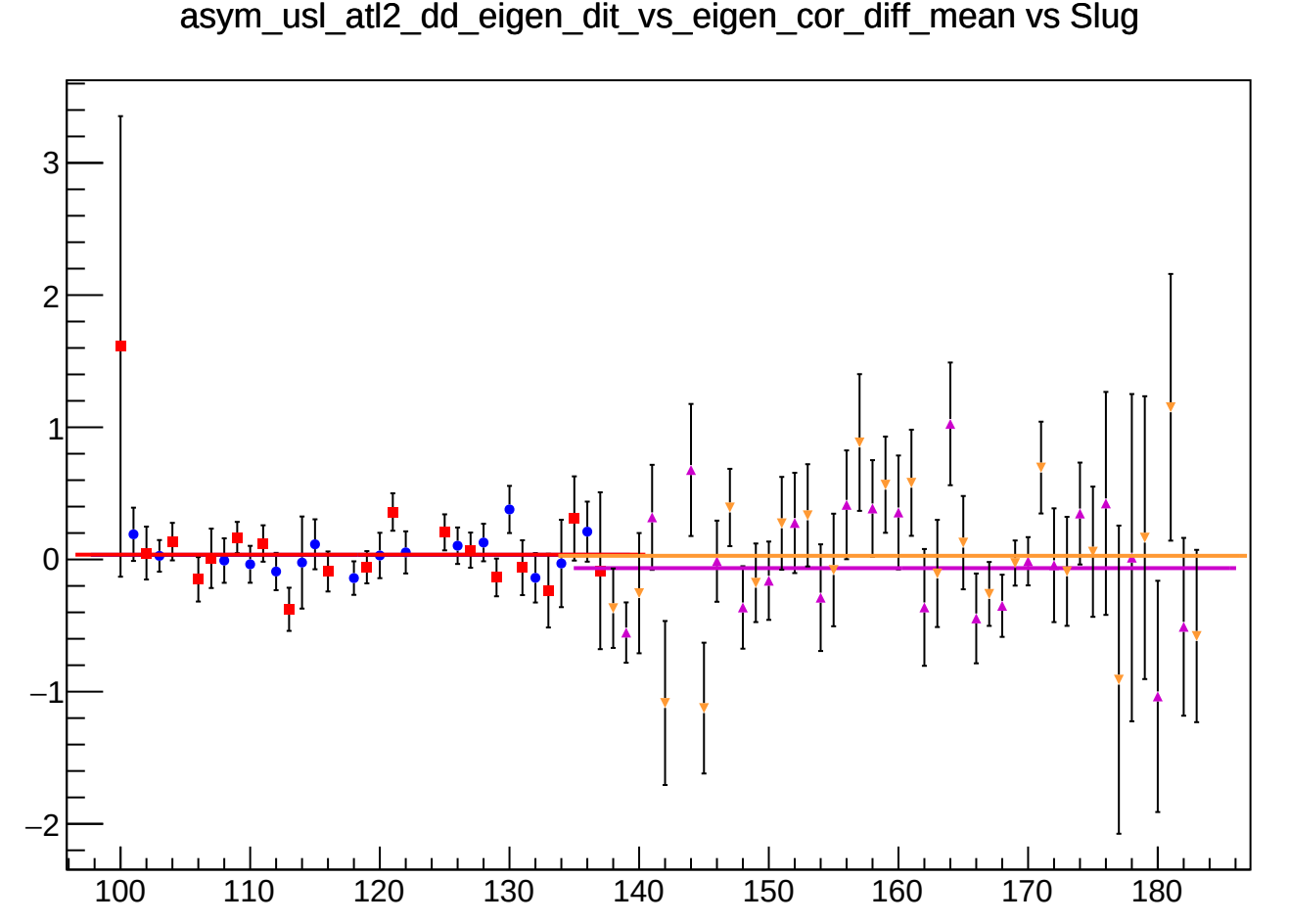
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 290.716+/-0.053 χ^2/NDF:4949510.2/21

+ sign 146.904+/-0.026 χ^2/NDF: 16070571.7/38

All: 142.125+/-0.018 χ^2/NDF: 32611553.6/78

- sign 137.759+/-0.024 χ^2/NDF: 16474000.3/39



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.028+/-0.076 χ^2/NDF:29.1/22

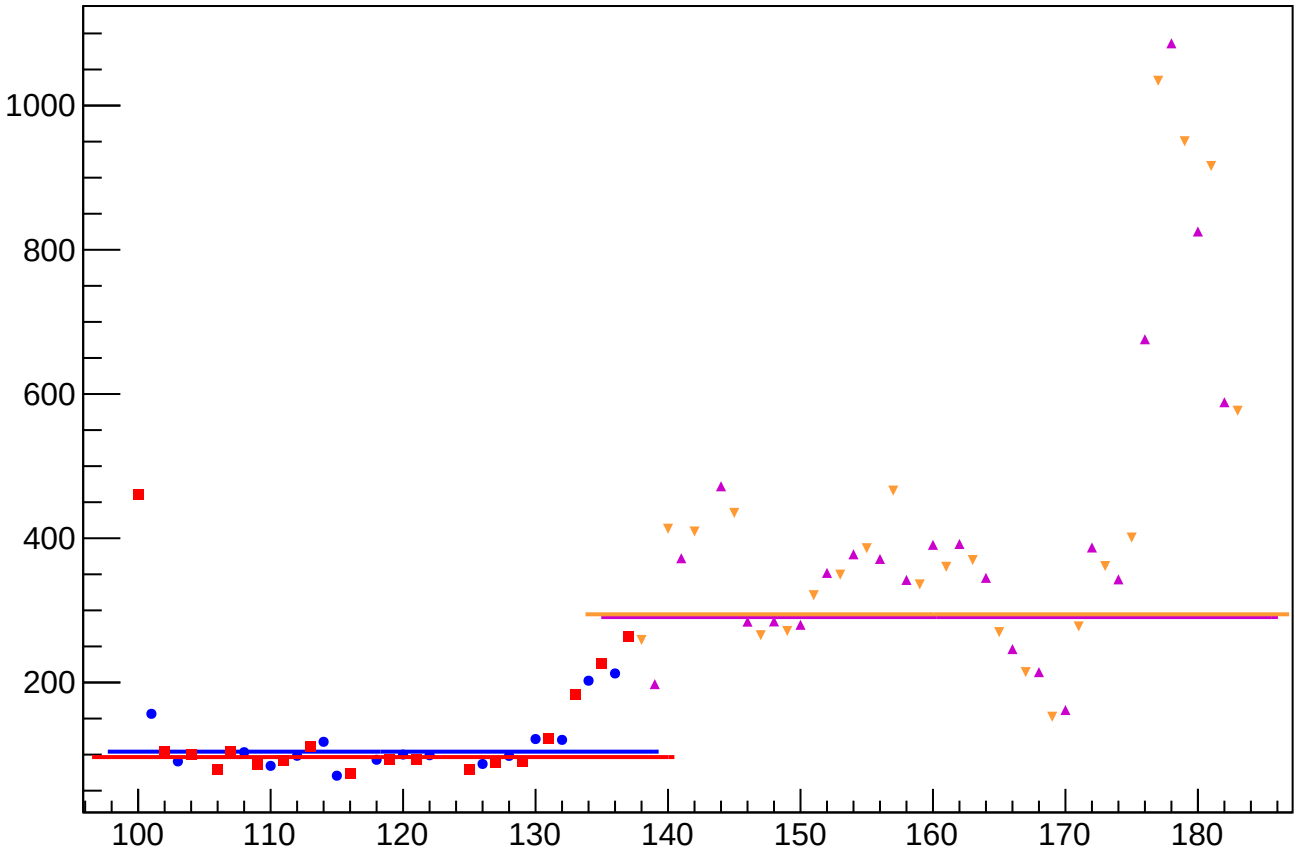
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.066+/-0.075 χ^2/NDF:25.7/21

+ sign 0.033+/-0.036 χ^2/NDF: 38.8/38

All: 0.024+/-0.025 χ^2/NDF: 88.1/78

- sign 0.015+/-0.035 χ^2/NDF: 49.2/39



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 294.546+/-0.054 χ^2/NDF:5396517.1/22

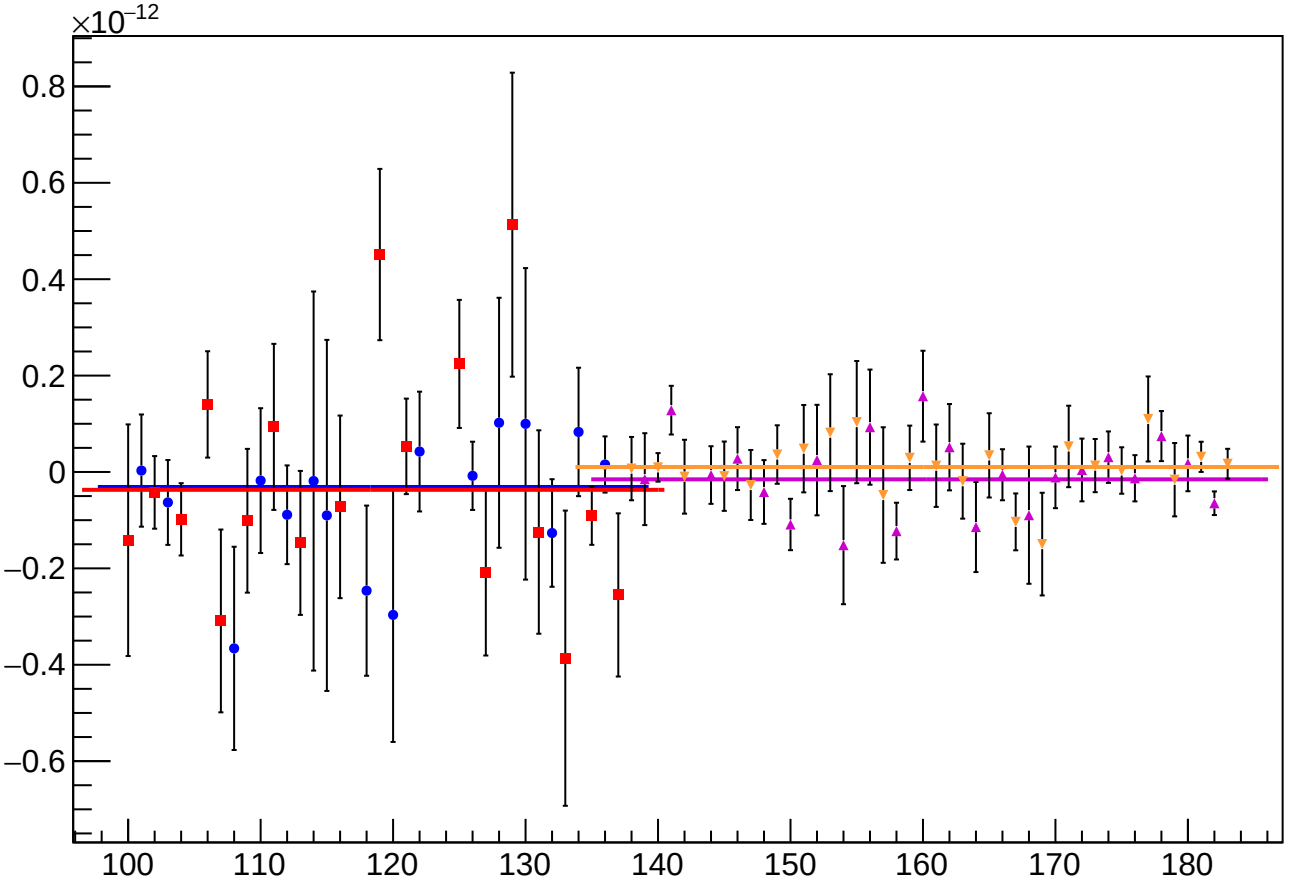
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 290.716+/-0.053 χ^2/NDF:4949510.2/21

+ sign 146.904+/-0.026 χ^2/NDF: 16070571.7/38

All: 142.125+/-0.018 χ^2/NDF: 32611553.6/78

- sign 137.759+/-0.024 χ^2/NDF: 16474000.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/22

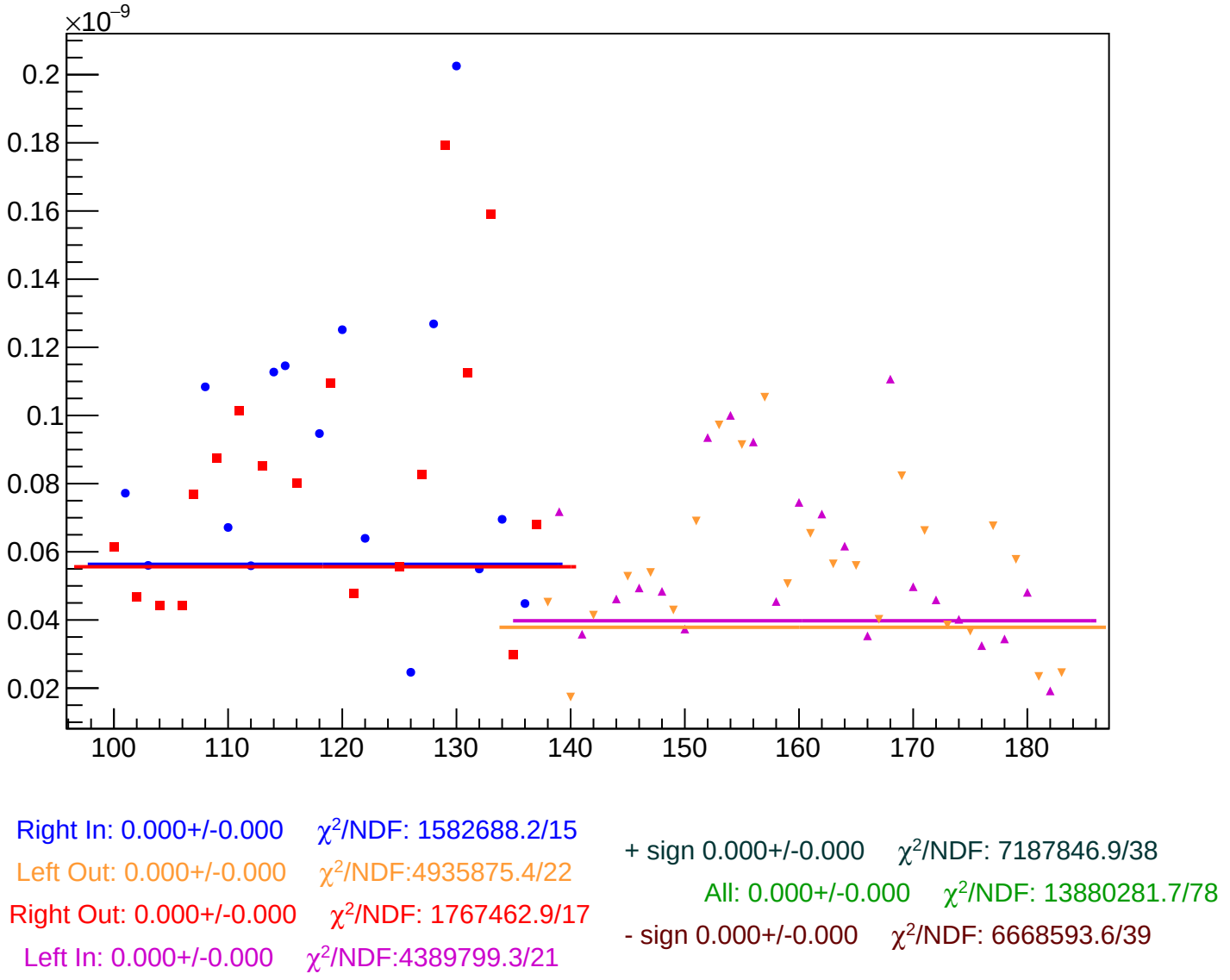
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:30.9/21

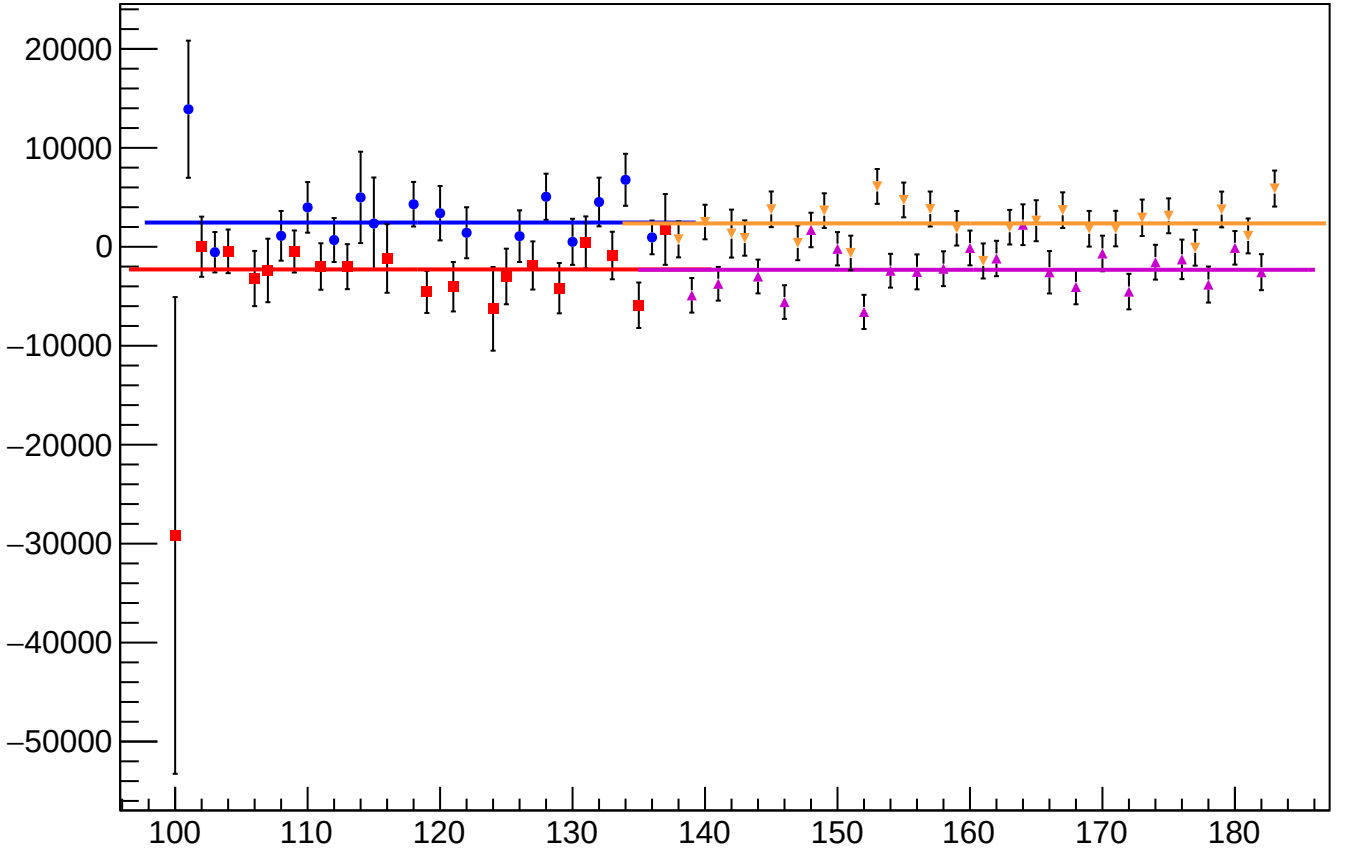
+ sign 0.000+/-0.000 χ^2/NDF: 20.5/38

All: -0.000+/-0.000 χ^2/NDF: 81.0/78

- sign -0.000+/-0.000 χ^2/NDF: 58.4/39


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4935875.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:4389799.3/21
+ sign 0.000+/-0.000 χ²/NDF: 7187846.9/38
All: 0.000+/-0.000 χ²/NDF: 13880281.7/78
- sign 0.000+/-0.000 χ²/NDF: 6668593.6/39

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2363.975+/-368.772 χ^2/NDF:26.5/23

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

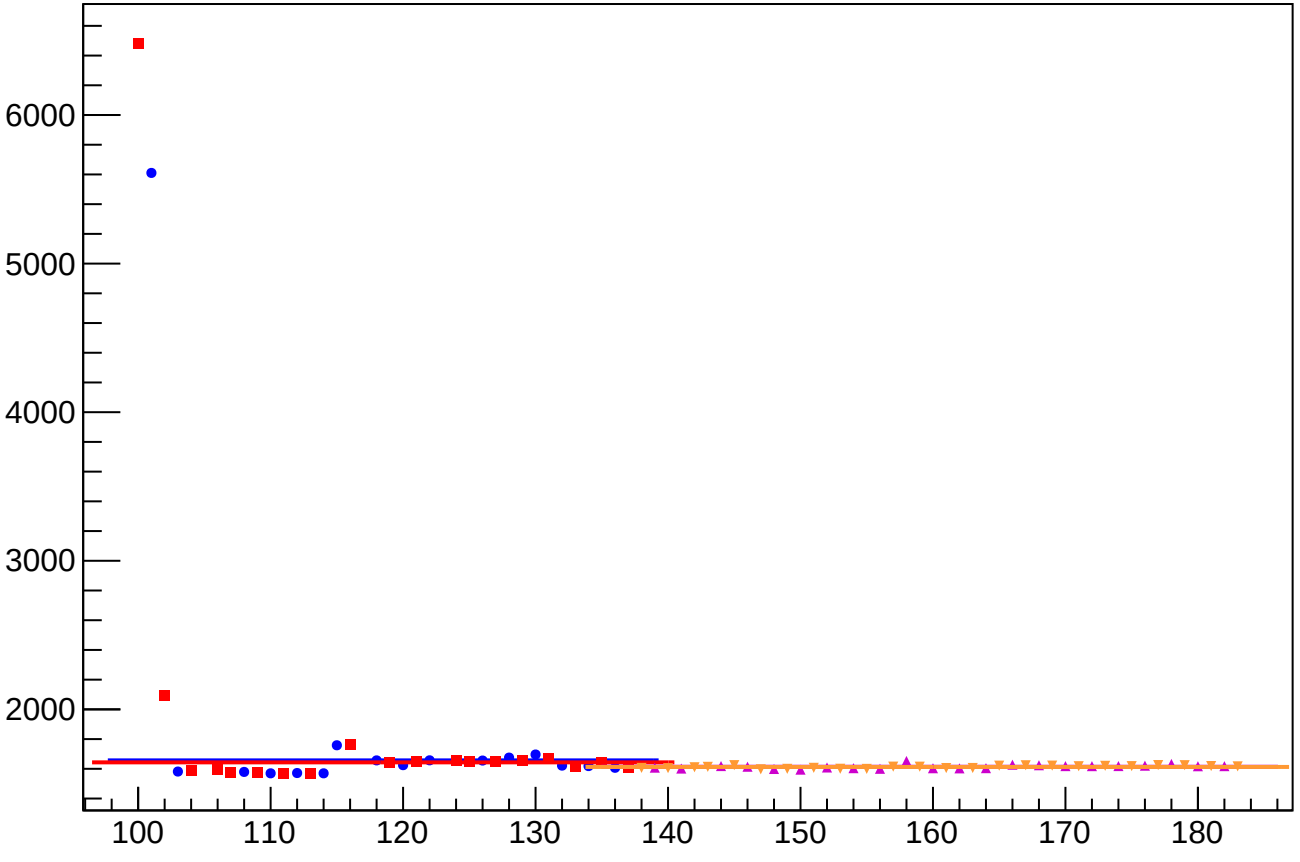
Left In: -2324.029+/-379.883 χ^2/NDF:32.8/21

+ sign 2385.905+/-318.288 χ^2/NDF: 40.3/39

All: 65.906+/-226.482 χ^2/NDF: 192.6/80

- sign -2313.541+/-322.340 χ^2/NDF: 44.6/40

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1612.584+/-0.261 χ^2/NDF:1171.9/23

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

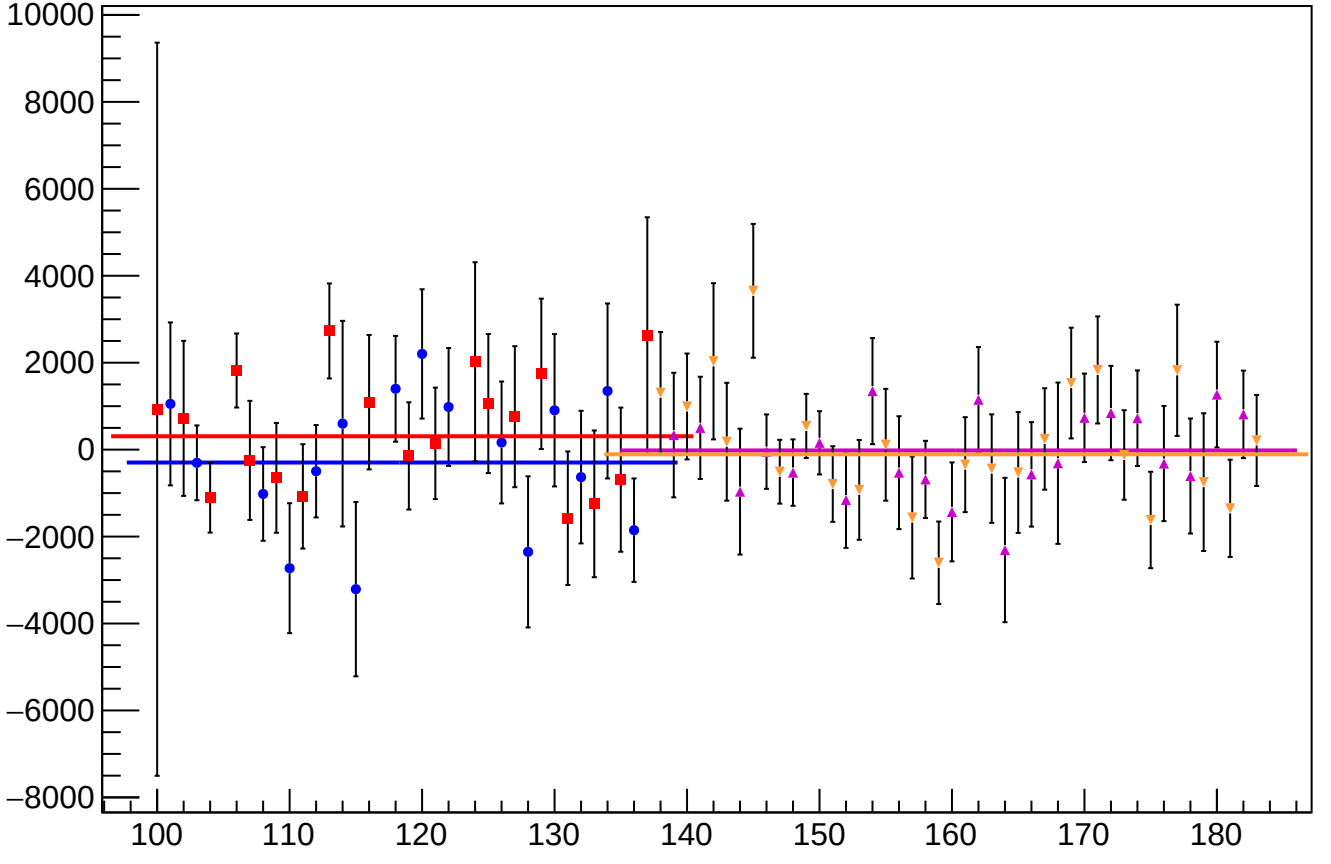
Left In: 1613.750+/-0.269 χ^2/NDF:2353.1/21

\+ sign 1623.832+/-0.225 χ^2/NDF: 674692.9/39

All: 1622.957+/-0.160 χ^2/NDF: 817492.8/80

\- sign 1622.061+/-0.228 χ^2/NDF: 142769.3/40

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -107.819+/-230.845 χ^2/NDF:28.9/23

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

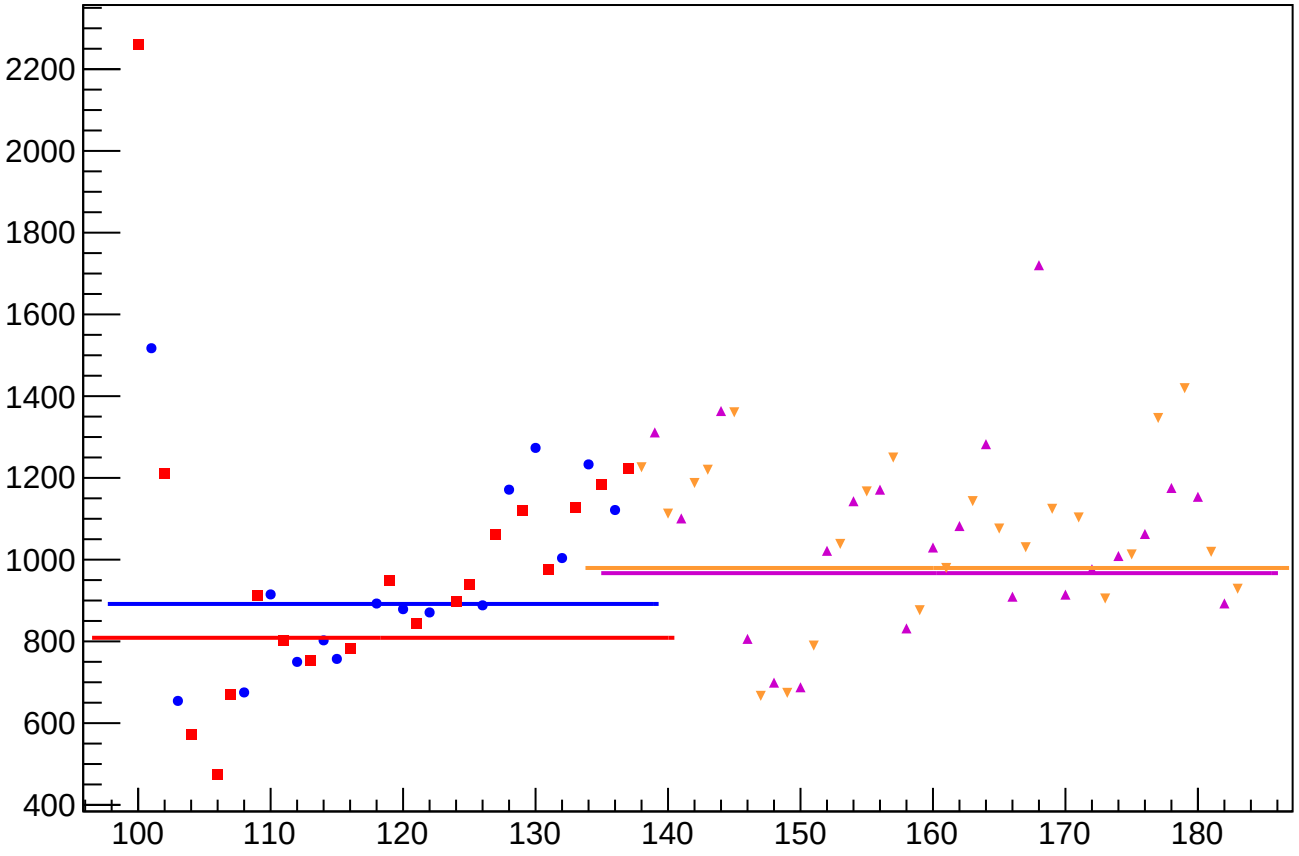
Left In: -18.543+/-234.021 χ^2/NDF:12.5/21

+ sign -166.521+/-191.587 χ^2/NDF: 45.1/39

All: -31.129+/-133.975 χ^2/NDF: 78.0/80

- sign 98.438+/-187.421 χ^2/NDF: 31.9/40

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 979.642+/-0.163 χ^2/NDF:1630318.0/23

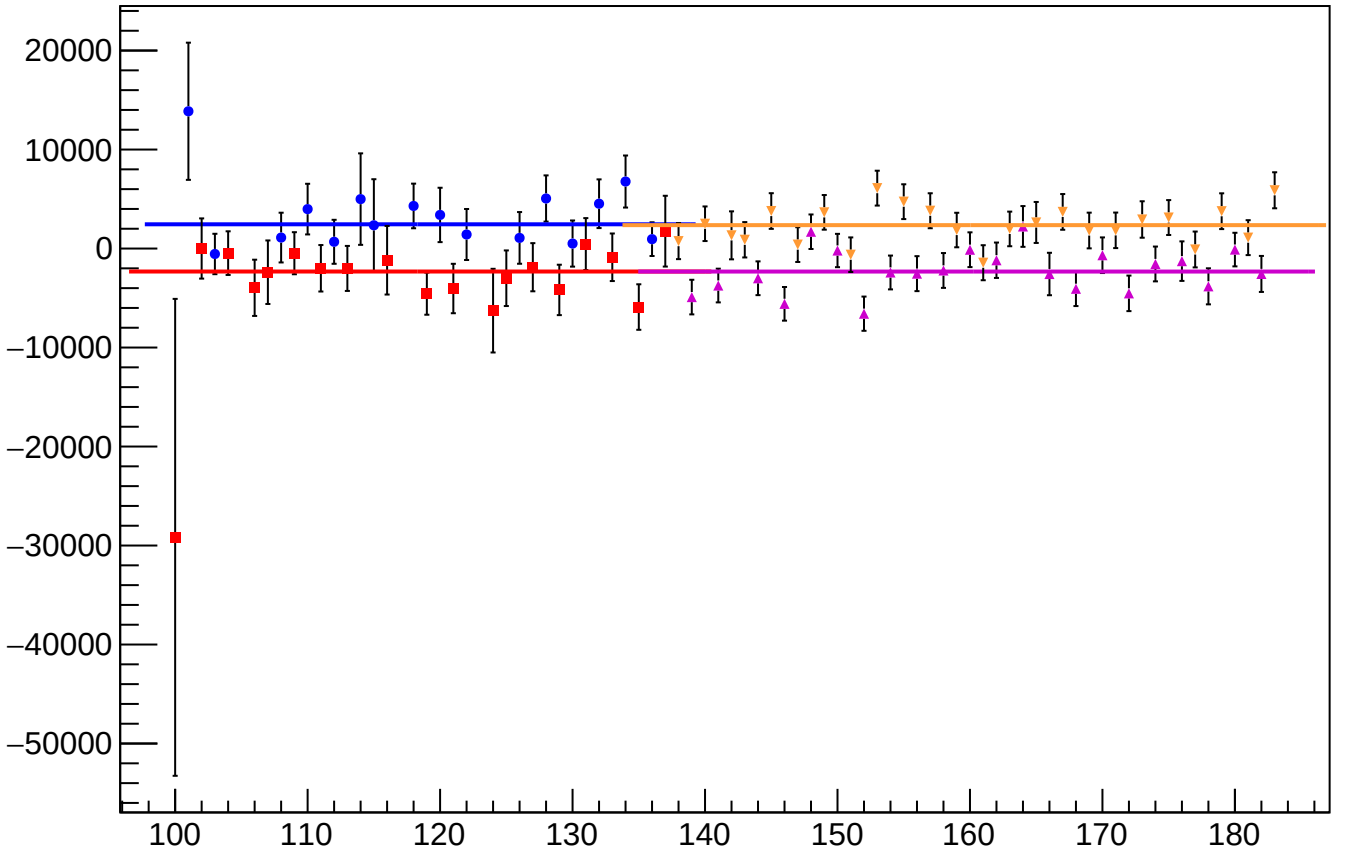
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 966.999+/-0.165 χ^2/NDF:1602143.6/21

+ sign 952.253+/-0.135 χ^2/NDF: 2514680.5/39

All: 930.801+/-0.095 χ^2/NDF: 5577447.0/80

- sign 910.271+/-0.133 χ^2/NDF: 3013694.5/40



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2363.953+/-368.772 χ^2/NDF:26.5/23

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

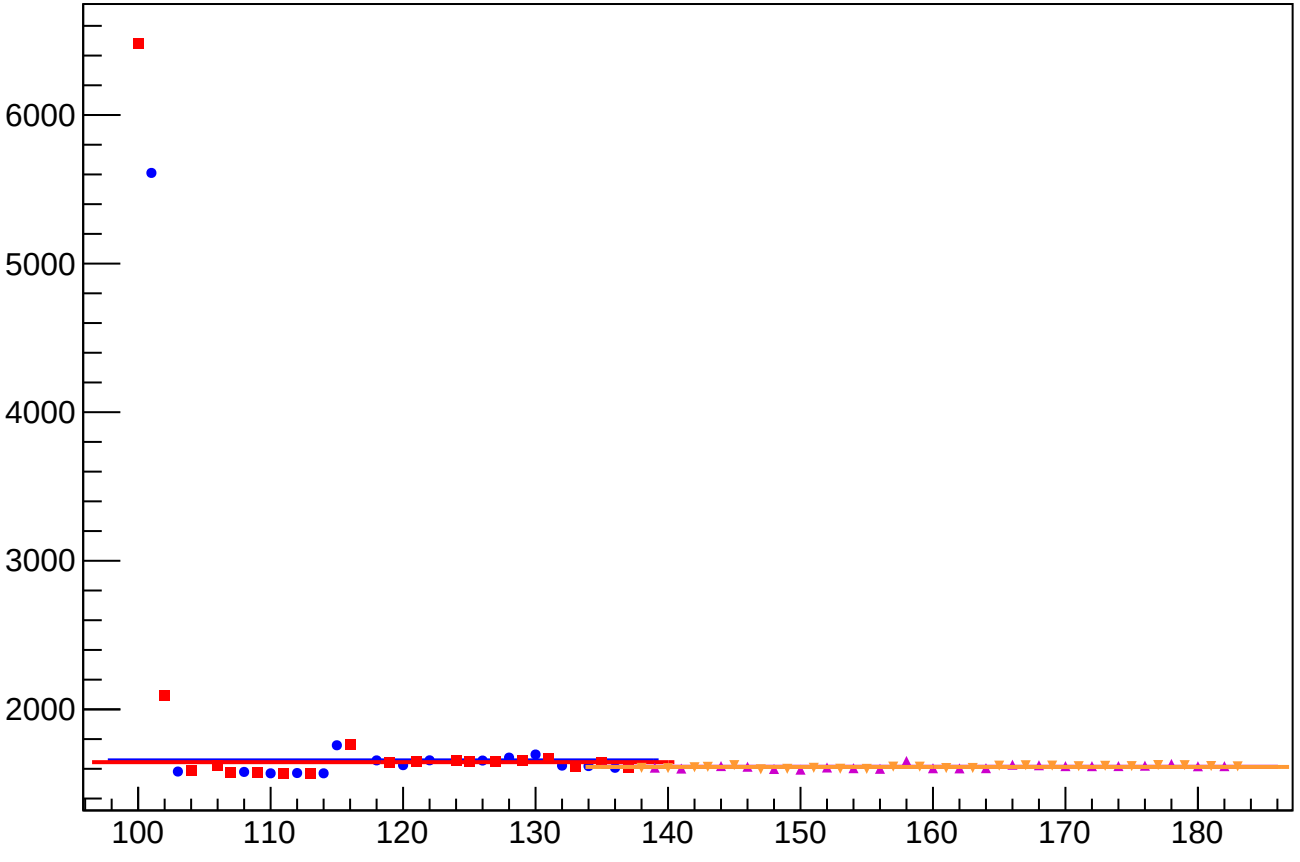
Left In: -2324.080+/-379.883 χ^2/NDF:32.8/21

+ sign 2385.746+/-318.288 χ^2/NDF: 40.3/39

All: 61.647+/-226.508 χ^2/NDF: 193.2/80

- sign -2323.100+/-322.414 χ^2/NDF: 44.9/40

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.584+/-0.261 χ^2/NDF:1171.9/23

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

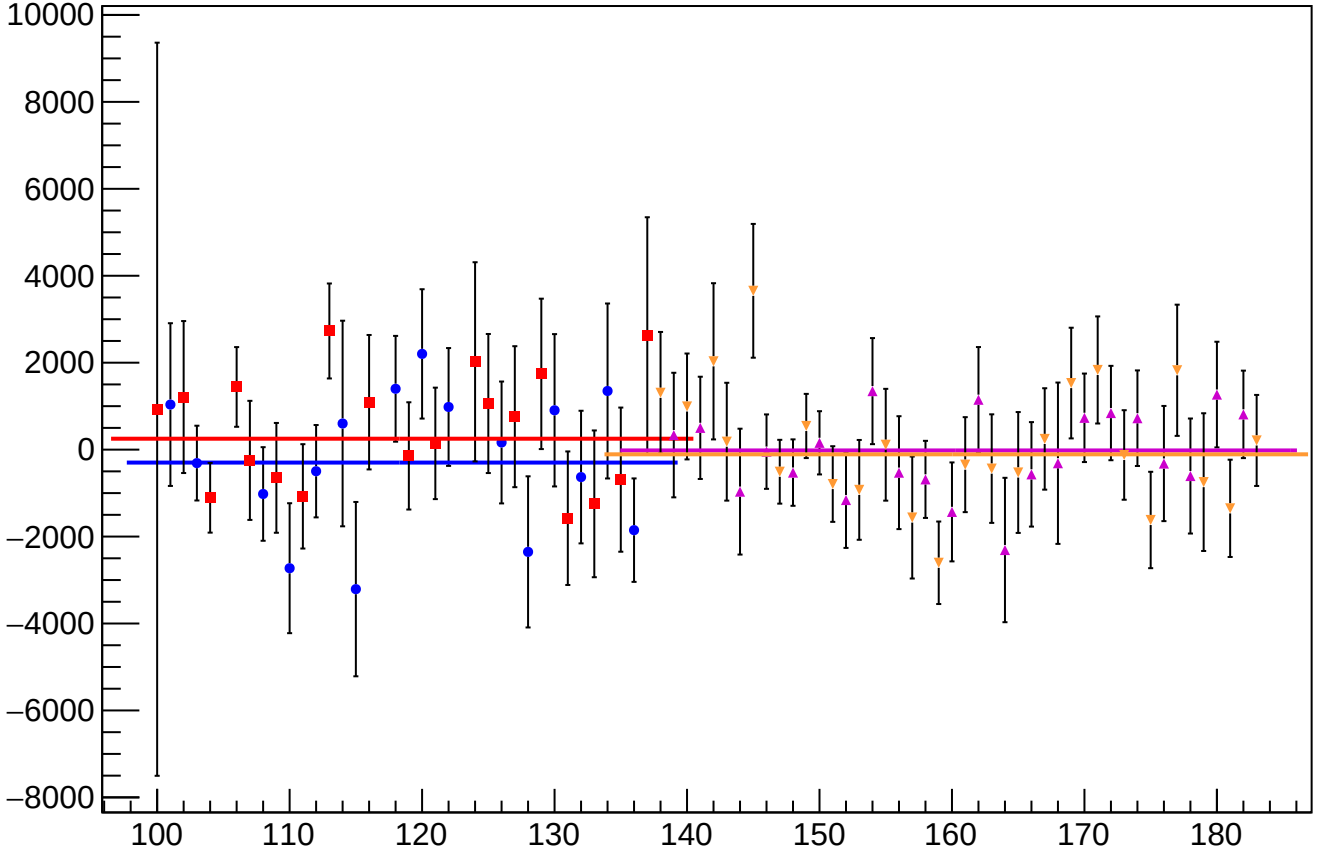
Left In: 1613.750+/-0.269 χ^2/NDF:2353.1/21

\+ sign 1623.832+/-0.225 χ^2/NDF: 674692.5/39

All: 1623.133+/-0.160 χ^2/NDF: 817268.8/80

\- sign 1622.415+/-0.228 χ^2/NDF: 142556.8/40

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -107.847+/-230.843 χ^2/NDF:28.9/23

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

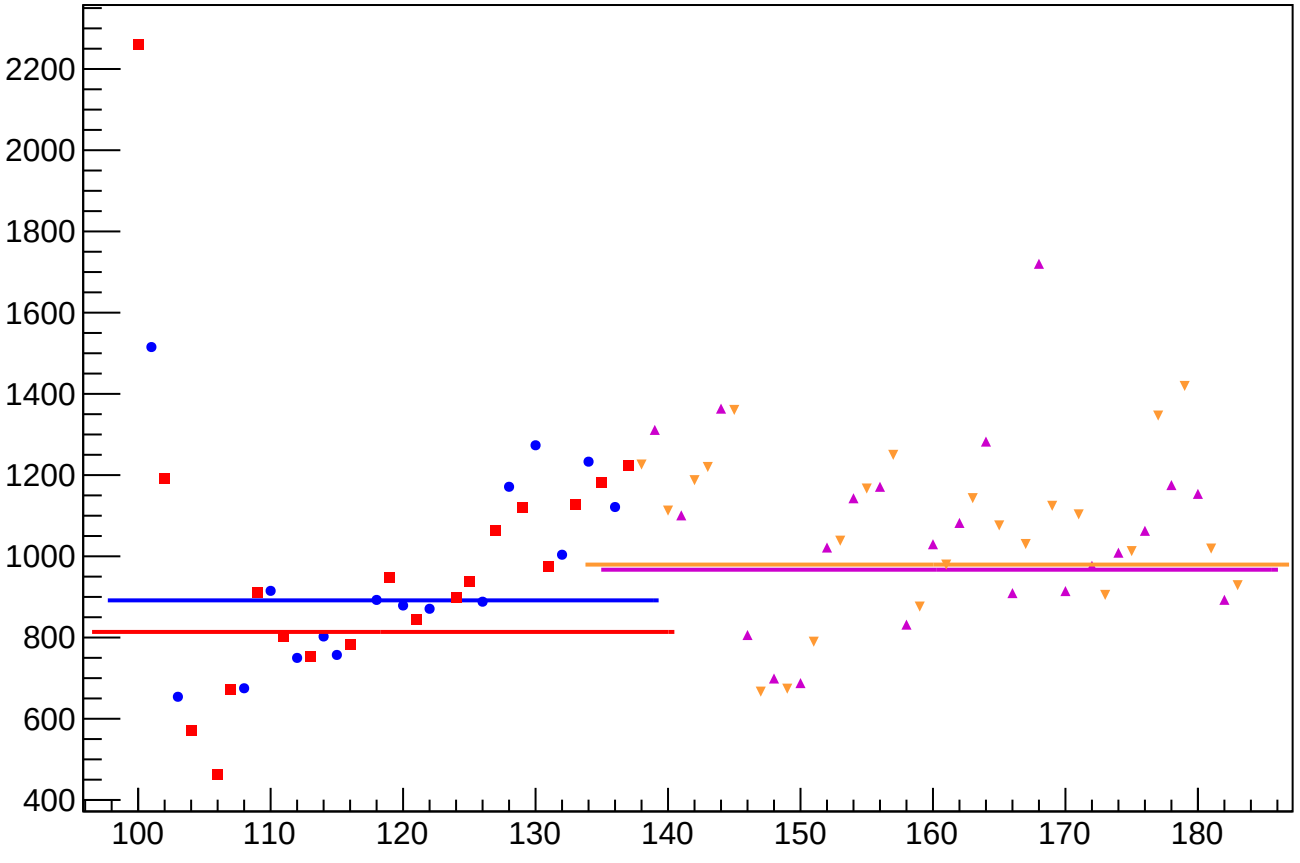
Left In: -18.565+/-234.022 χ^2/NDF:12.5/21

+ sign -166.969+/-191.578 χ^2/NDF: 45.1/39

All: -42.645+/-134.188 χ^2/NDF: 76.1/80

- sign 77.093+/-188.012 χ^2/NDF: 30.2/40

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 979.635+/-0.163 χ^2/NDF:1630427.2/23

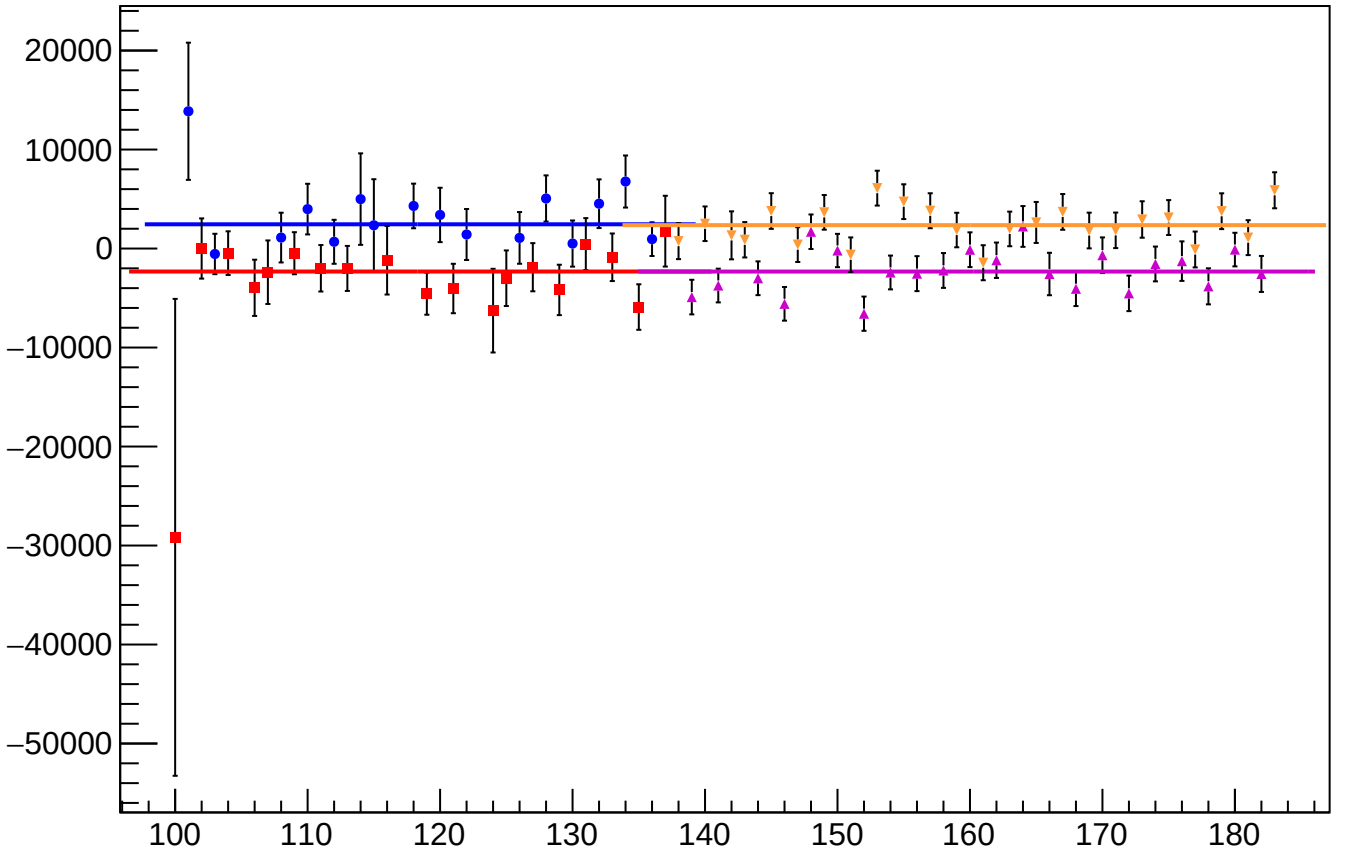
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 967.003+/-0.165 χ^2/NDF:1602111.5/21

+ sign 952.213+/-0.135 χ^2/NDF: 2514758.4/39

All: 932.078+/-0.095 χ^2/NDF: 5517105.9/80

- sign 912.686+/-0.133 χ^2/NDF: 2958979.8/40



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2363.953+/-368.772 χ^2/NDF:26.5/23

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

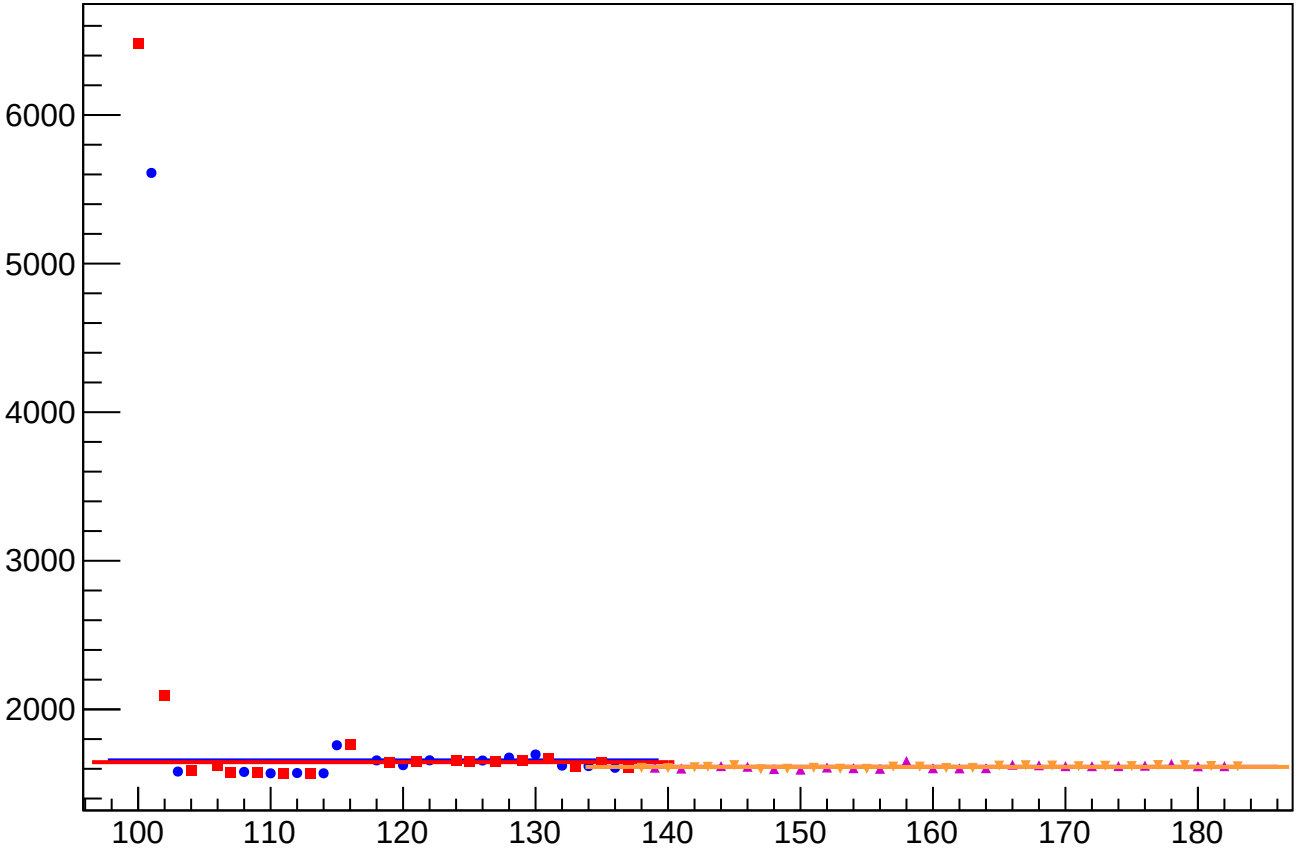
Left In: -2324.080+/-379.883 χ^2/NDF:32.8/21

+ sign 2385.746+/-318.288 χ^2/NDF: 40.3/39

All: 61.647+/-226.508 χ^2/NDF: 193.2/80

- sign -2323.100+/-322.414 χ^2/NDF: 44.9/40

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.584+/-0.261 χ^2/NDF:1171.9/23

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

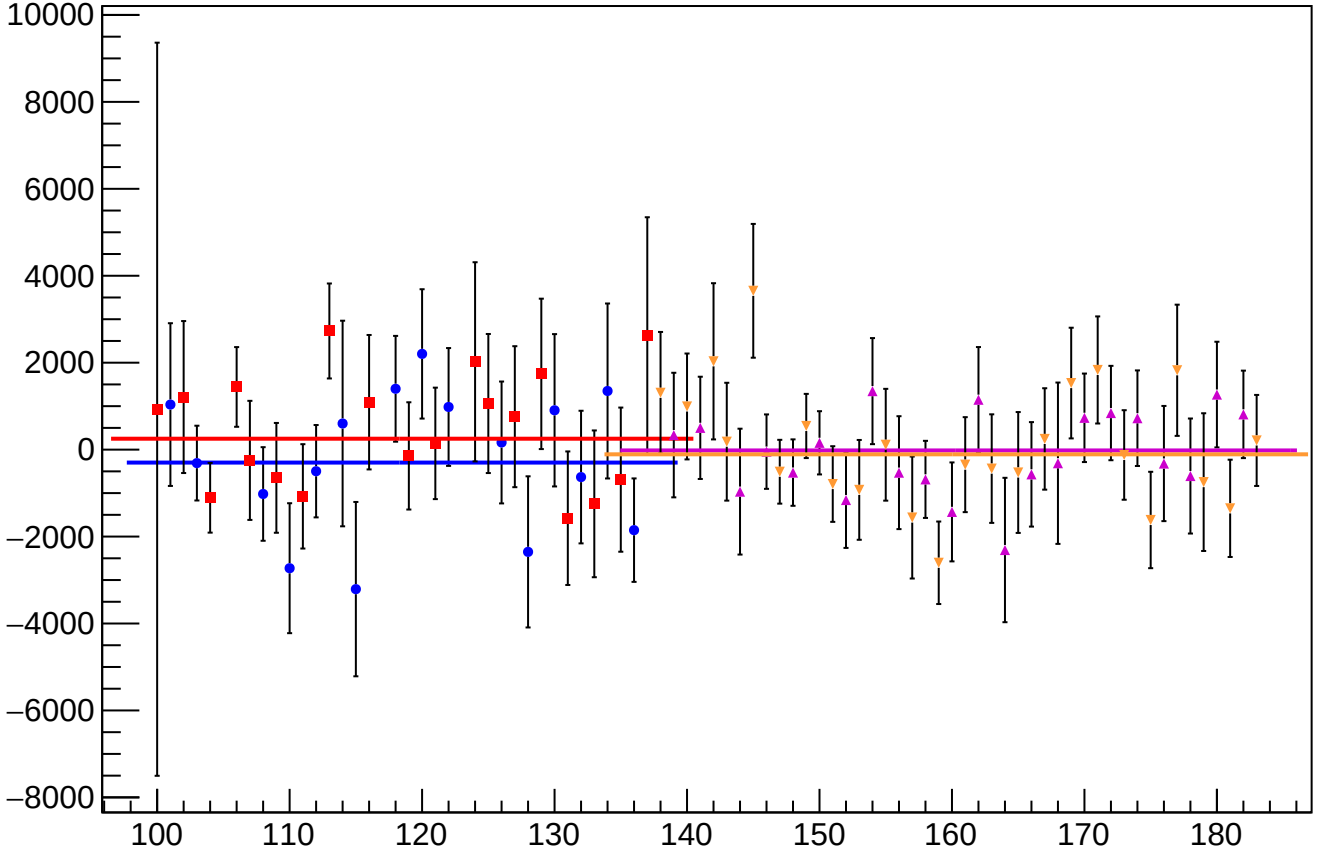
Left In: 1613.750+/-0.269 χ^2/NDF:2353.1/21

\+ sign 1623.832+/-0.225 χ^2/NDF: 674692.5/39

All: 1623.133+/-0.160 χ^2/NDF: 817268.8/80

\- sign 1622.415+/-0.228 χ^2/NDF: 142556.8/40

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -107.847+/-230.843 χ^2/NDF:28.9/23

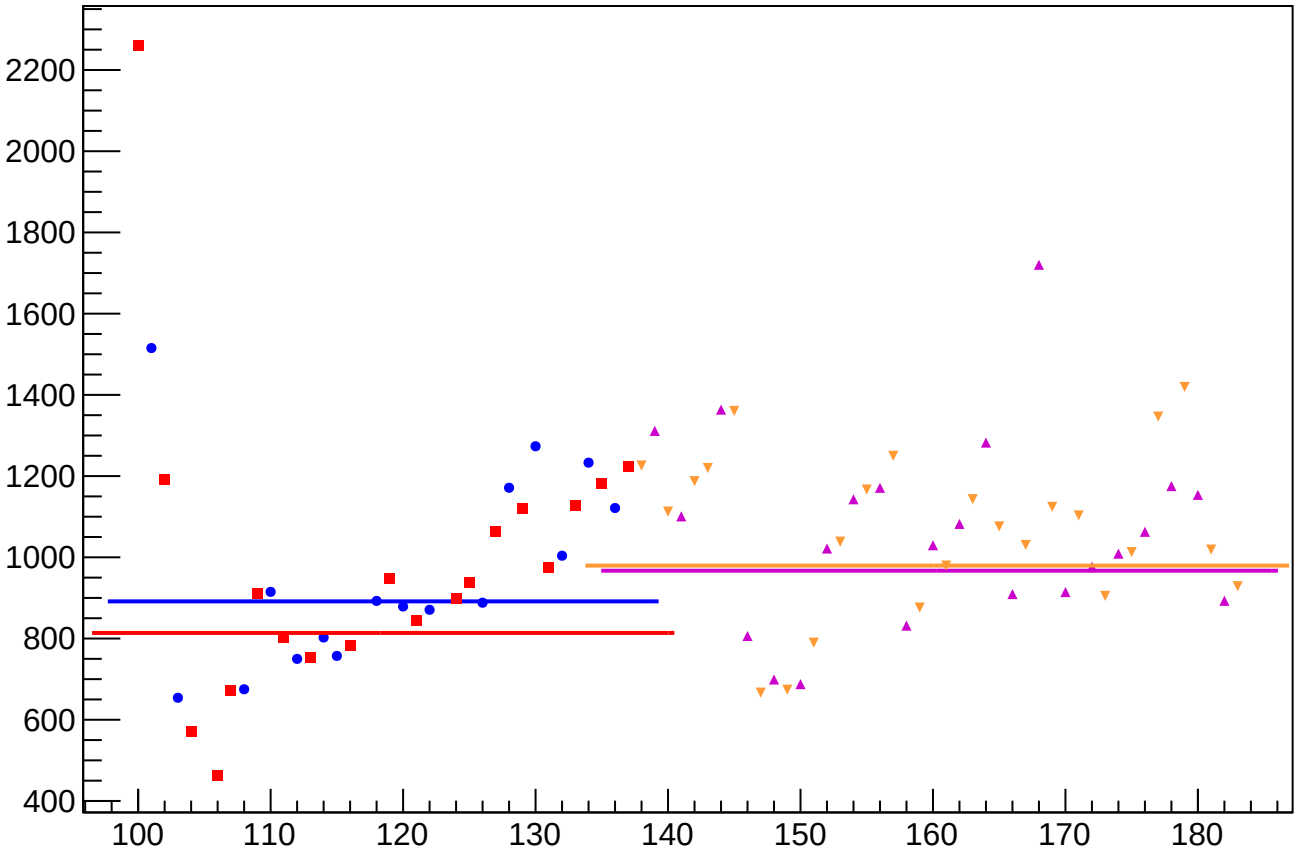
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -18.565+/-234.022 χ^2/NDF:12.5/21

+ sign -166.969+/-191.578 χ^2/NDF: 45.1/39

All: -42.645+/-134.188 χ^2/NDF: 76.1/80

- sign 77.093+/-188.012 χ^2/NDF: 30.2/40



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 979.635+/-0.163 χ^2/NDF:1630427.2/23

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

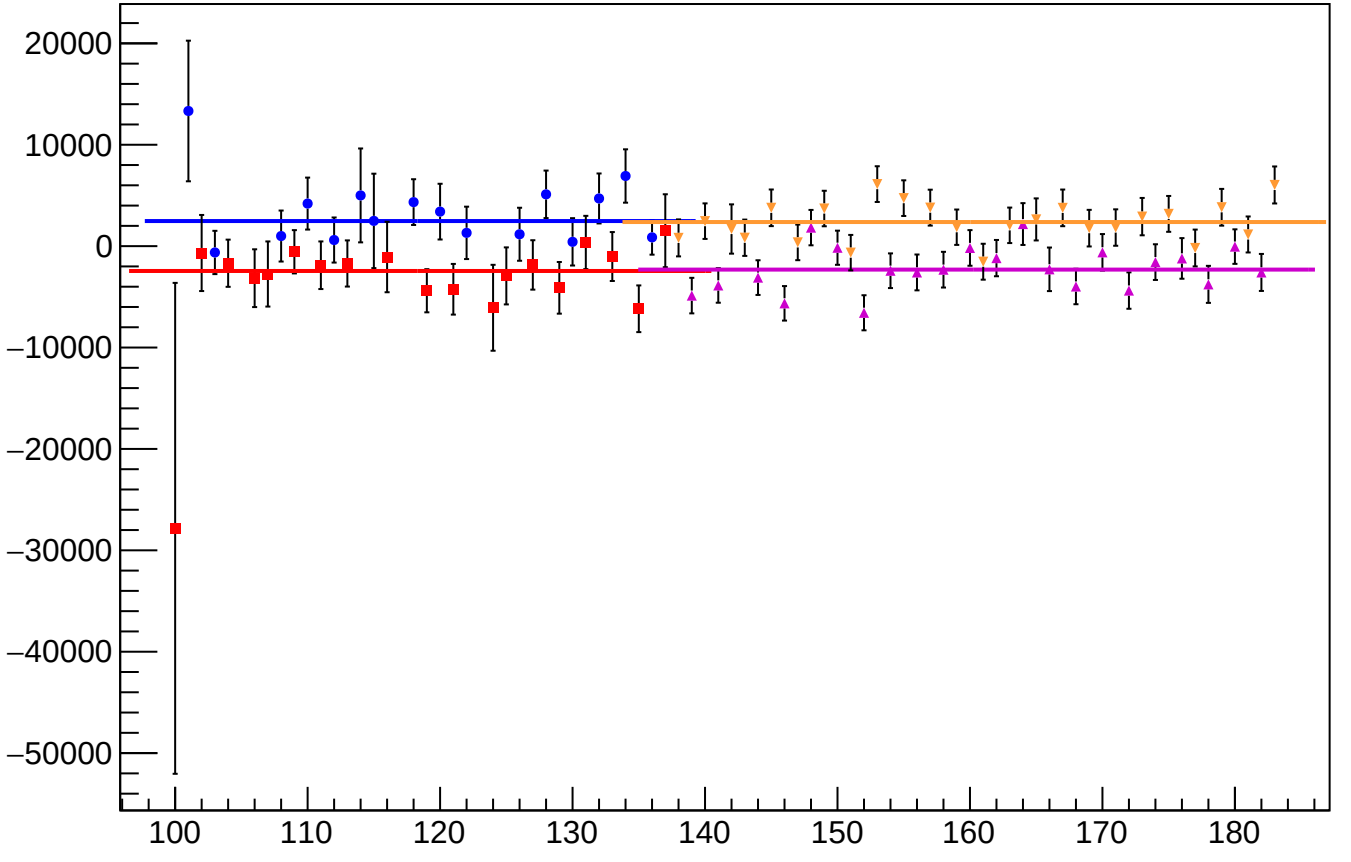
Left In: 967.003+/-0.165 χ^2/NDF:1602111.5/21

+ sign 952.213+/-0.135 χ^2/NDF: 2514758.4/39

All: 932.078+/-0.095 χ^2/NDF: 5517105.9/80

- sign 912.686+/-0.133 χ^2/NDF: 2958979.8/40

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2378.522+/-369.470 χ^2/NDF:27.2/23

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

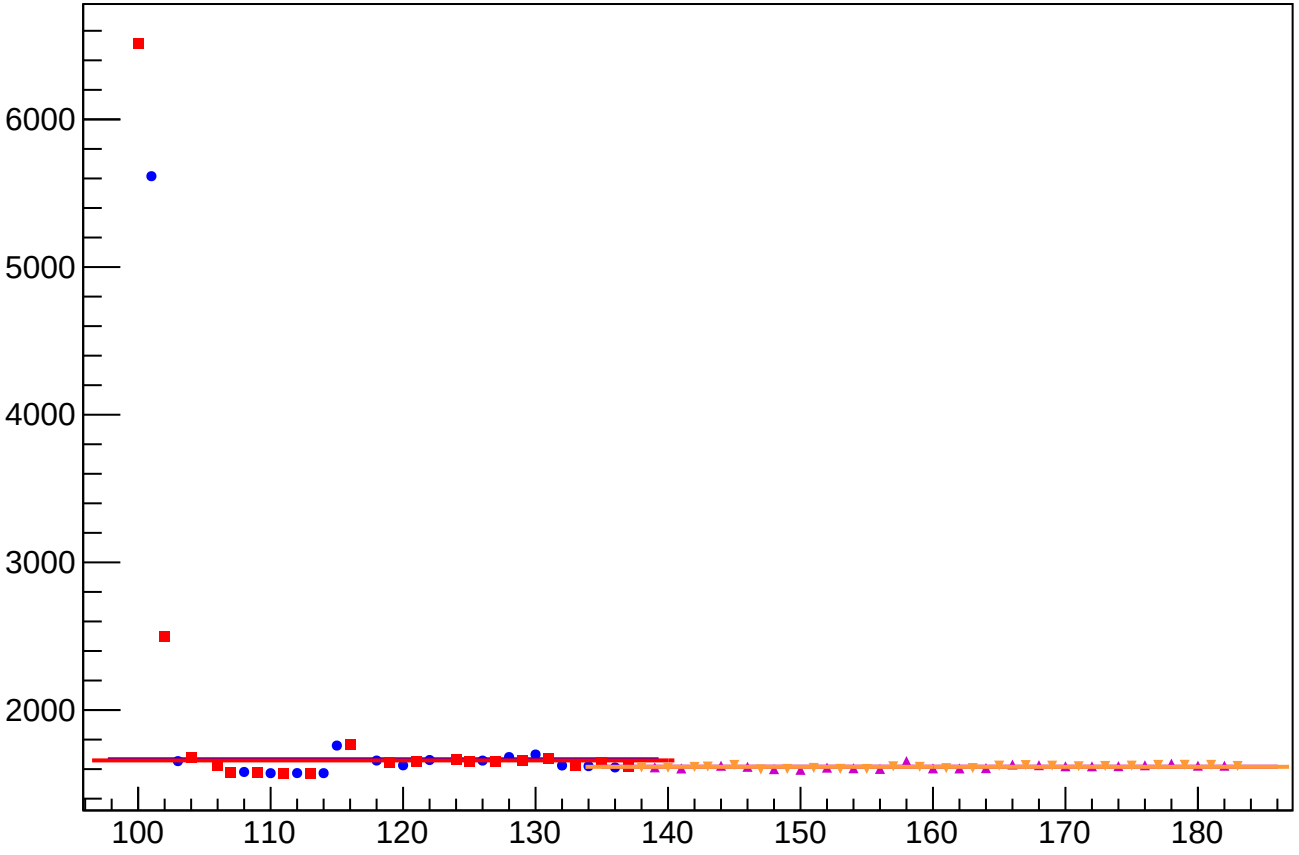
Left In: -2312.919+/-380.490 χ^2/NDF:33.1/21

+ sign 2403.047+/-319.203 χ^2/NDF: 41.4/39

All: 61.325+/-227.366 χ^2/NDF: 194.3/80

- sign -2350.379+/-323.938 χ^2/NDF: 43.6/40

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.624+/-0.261 χ^2/NDF:1447.1/23

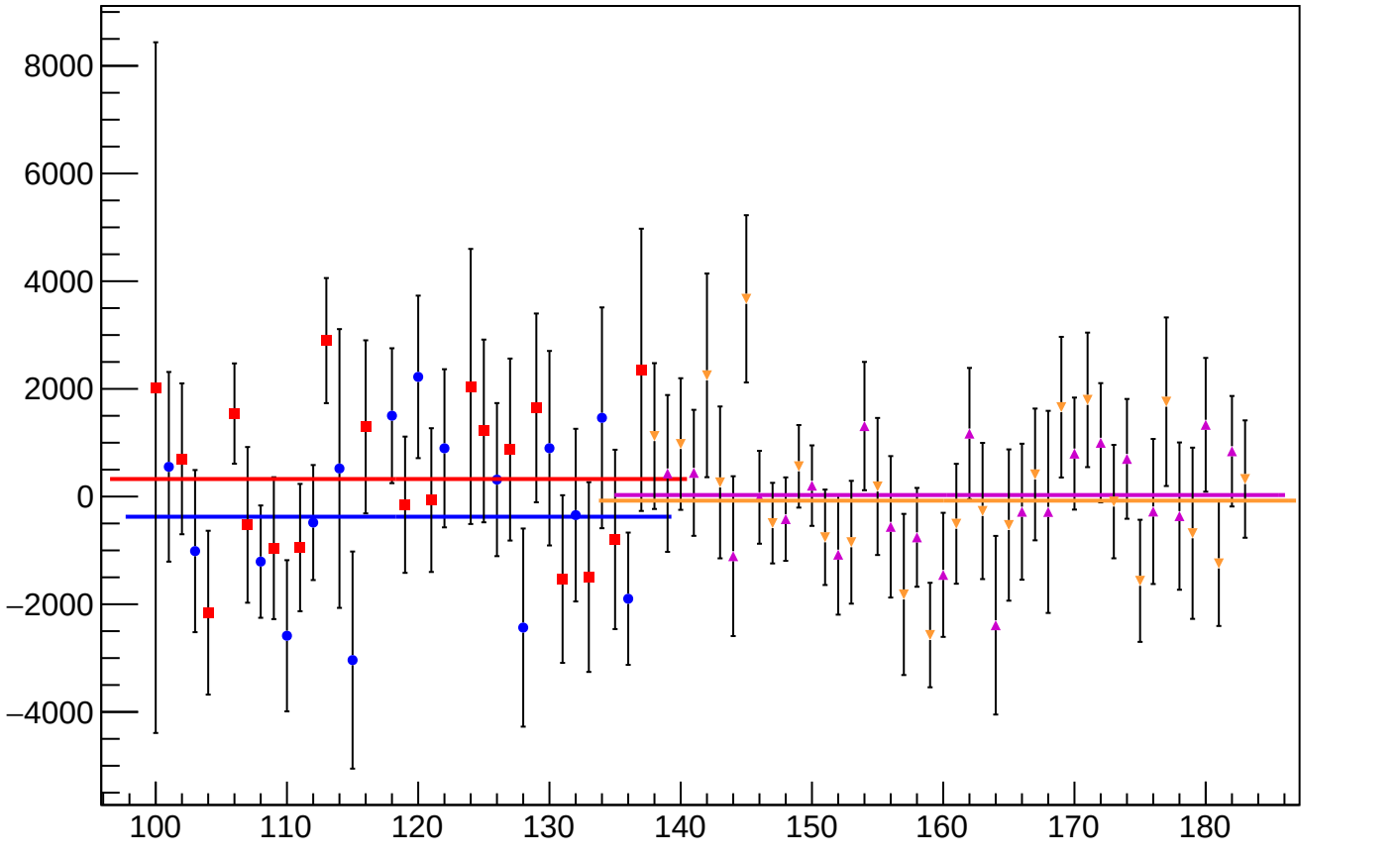
Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1616.317+/-0.269 χ^2/NDF:2556.1/21

+ sign 1628.501+/-0.226 χ^2/NDF: 673940.5/39

All: 1628.285+/-0.161 χ^2/NDF: 876649.3/80

- sign 1628.063+/-0.229 χ^2/NDF: 202707.0/40



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -75.970+/-235.941 χ^2/NDF:27.8/23

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

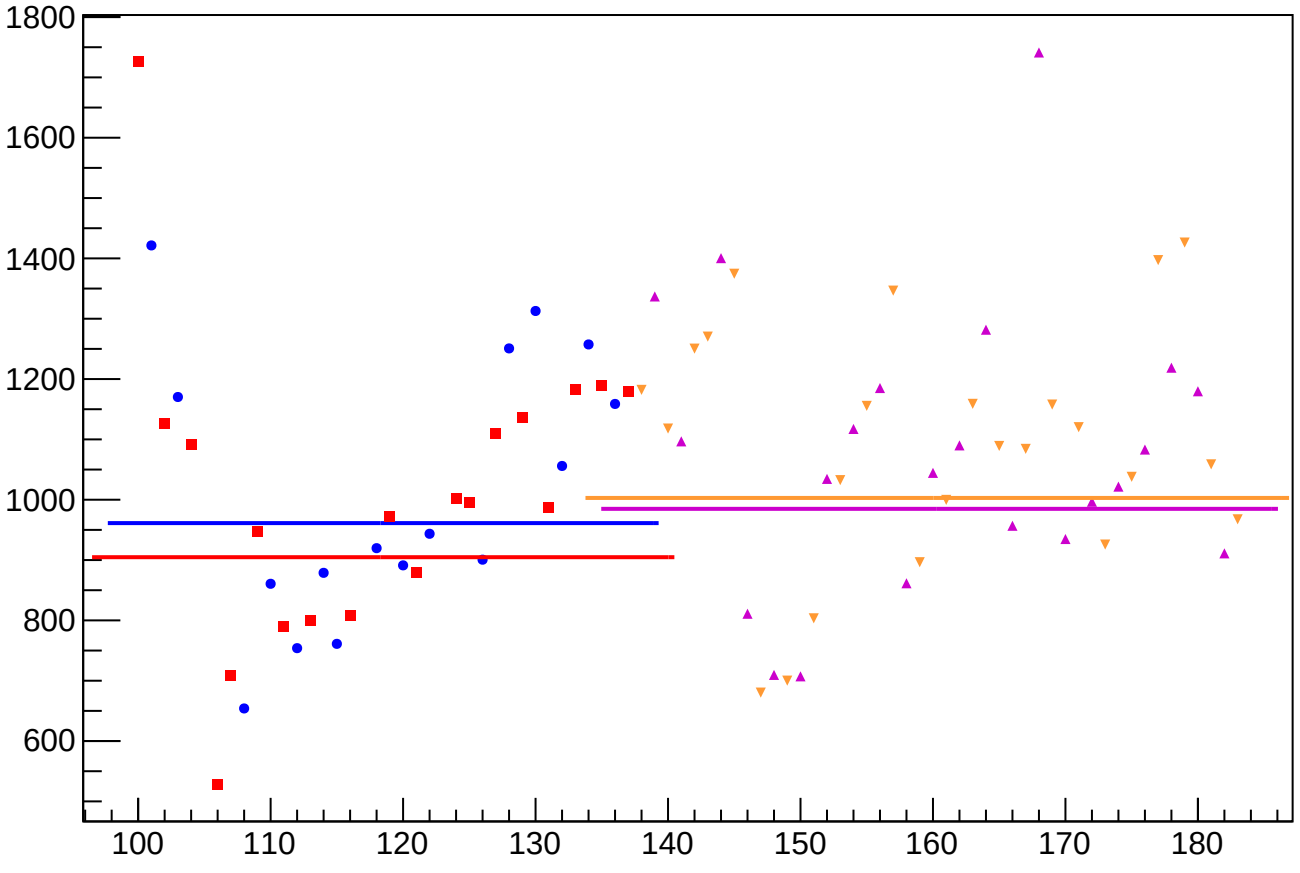
Left In: 28.171+/-237.961 χ^2/NDF:12.5/21

+ sign -162.982+/-198.614 χ^2/NDF: 44.0/39

All: -16.021+/-139.172 χ^2/NDF: 75.5/80

- sign 125.746+/-195.073 χ^2/NDF: 30.5/40

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1002.950+/-0.167 χ^2/NDF:1598356.1/23

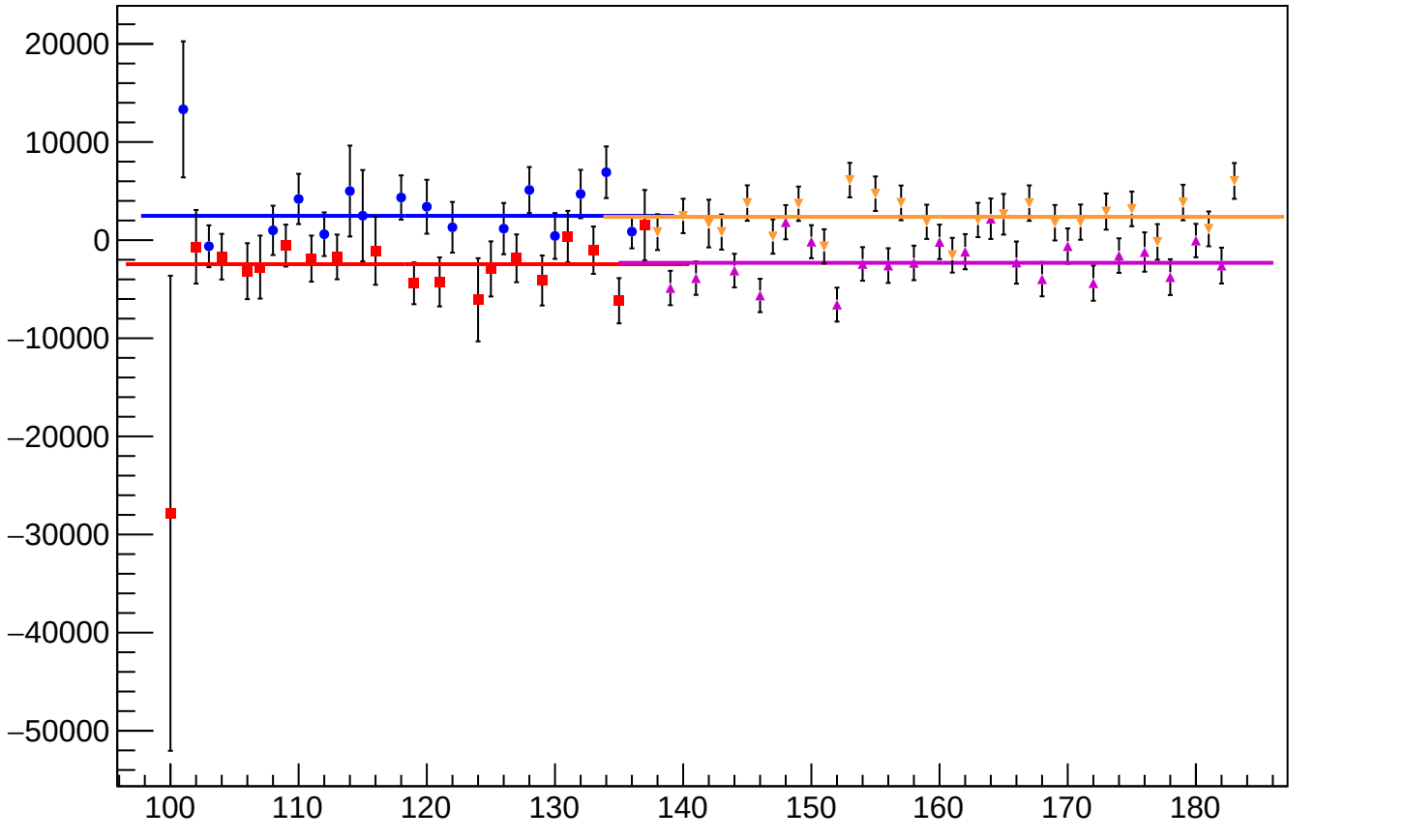
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 984.880+/-0.168 χ^2/NDF:1558265.3/21

\+ sign 990.797+/-0.140 χ^2/NDF: 2308441.0/39

All: 974.406+/-0.098 χ^2/NDF: 4704359.2/80

\- sign 958.595+/-0.138 χ^2/NDF: 2369156.9/40



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2378.522+/-369.470 χ^2/NDF:27.2/23

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

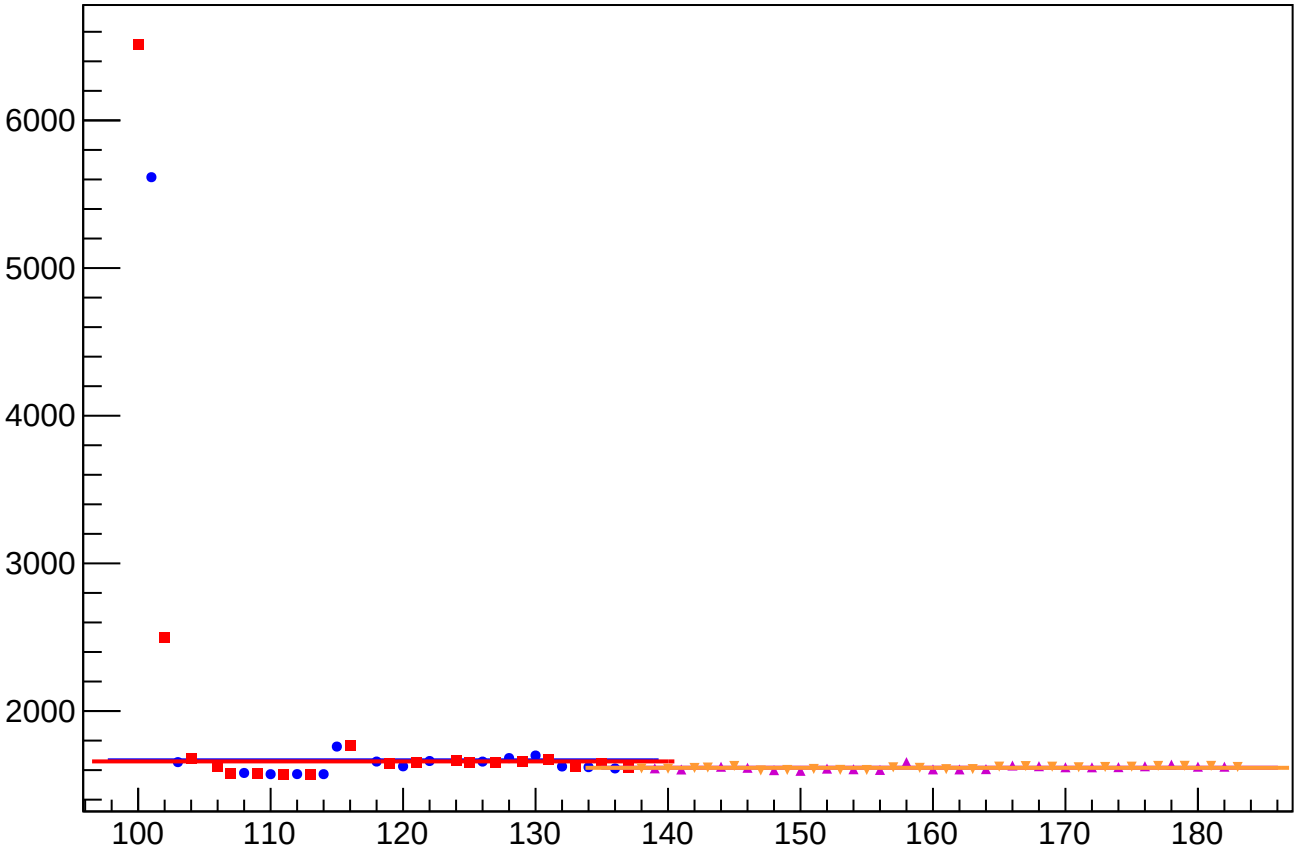
Left In: -2312.919+/-380.490 χ^2/NDF:33.1/21

+ sign 2403.046+/-319.203 χ^2/NDF: 41.4/39

All: 61.325+/-227.366 χ^2/NDF: 194.3/80

- sign -2350.379+/-323.938 χ^2/NDF: 43.6/40

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1615.625+/-0.261 χ^2/NDF:1447.1/23

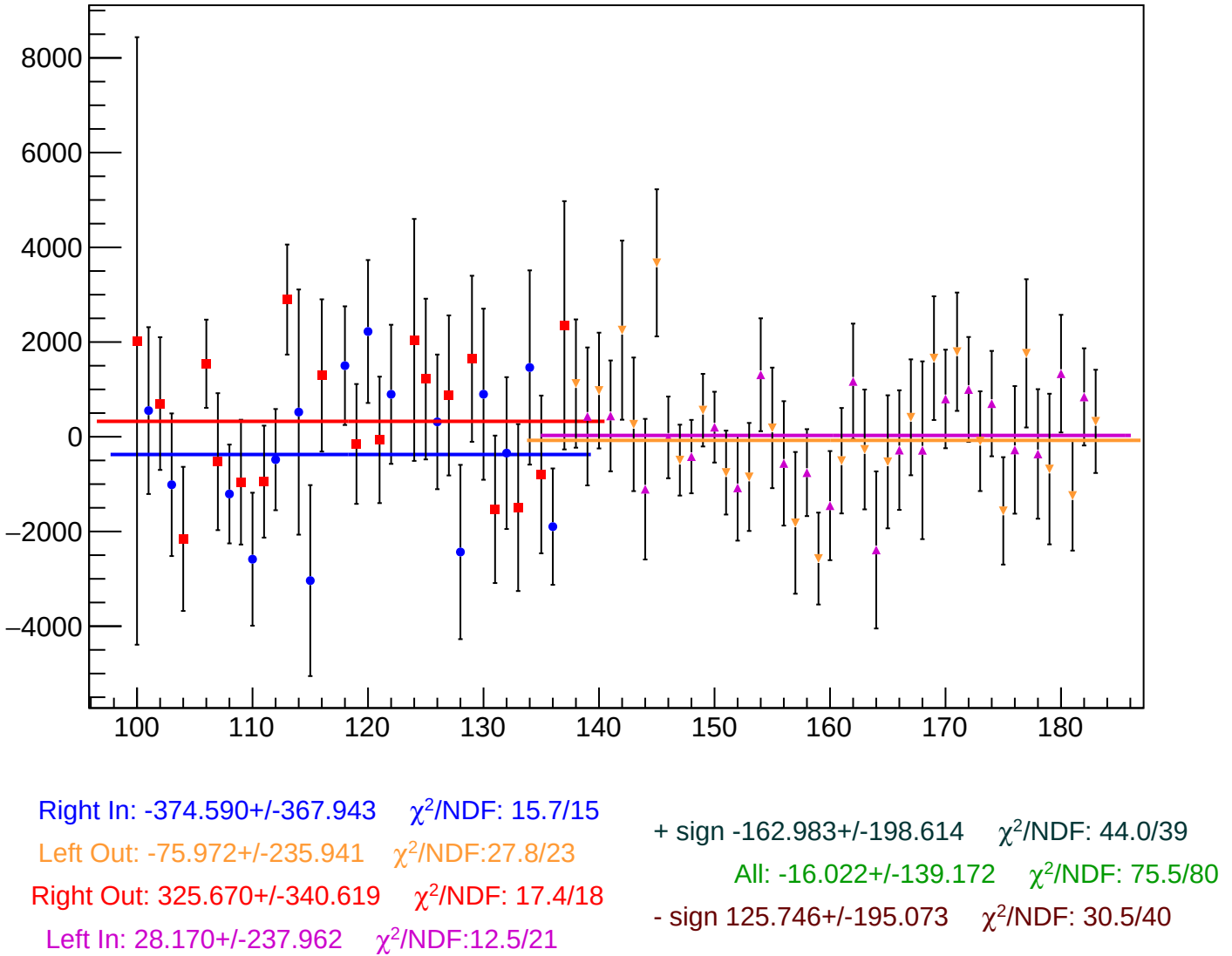
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1616.317+/-0.269 χ^2/NDF:2556.1/21

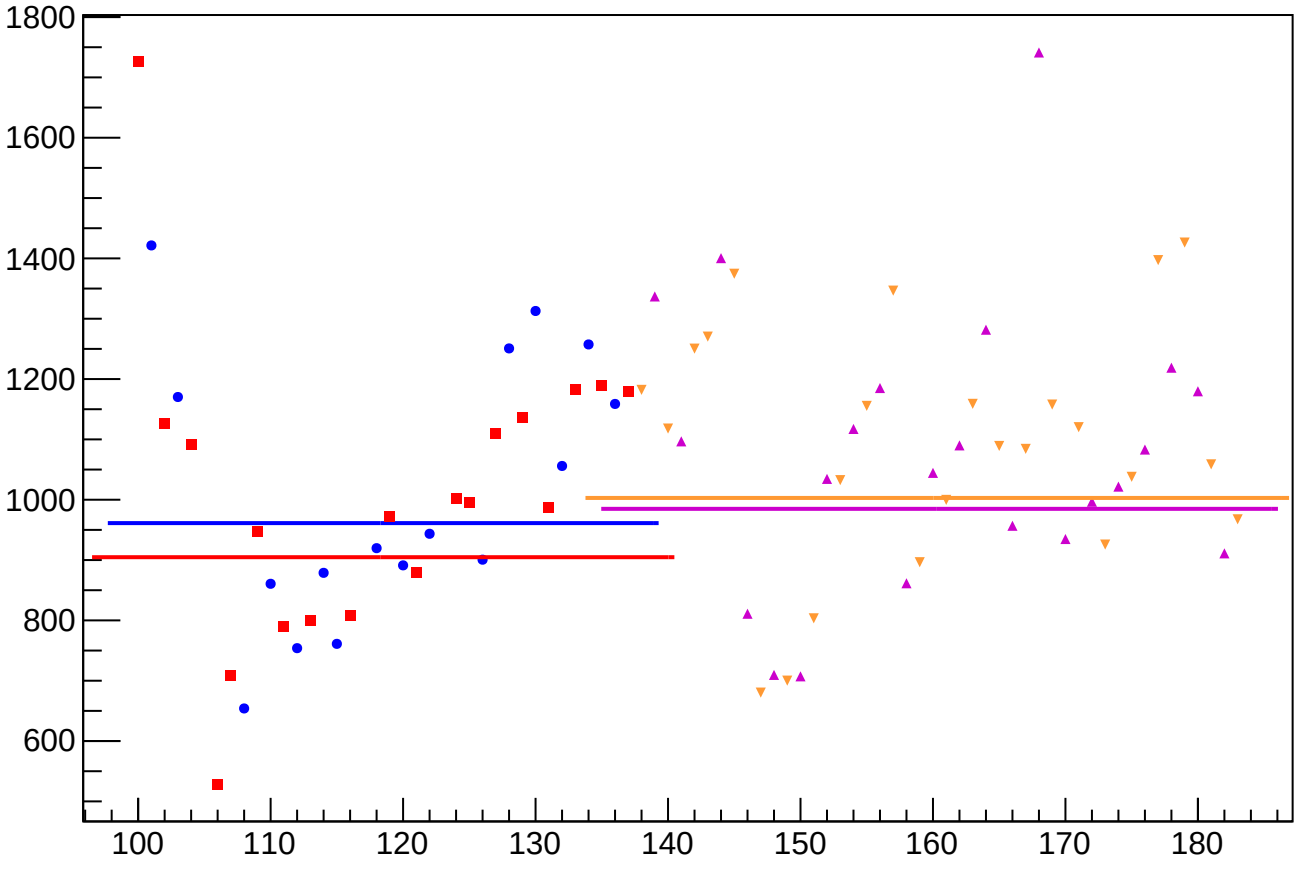
+ sign 1628.501+/-0.226 χ^2/NDF: 673940.5/39

All: 1628.285+/-0.161 χ^2/NDF: 876649.0/80

- sign 1628.063+/-0.229 χ^2/NDF: 202706.7/40


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -75.972+/-235.941 χ²/NDF:27.8/23
Right Out: 325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 28.170+/-237.962 χ²/NDF:12.5/21
+ sign -162.983+/-198.614 χ²/NDF: 44.0/39
All: -16.022+/-139.172 χ²/NDF: 75.5/80
- sign 125.746+/-195.073 χ²/NDF: 30.5/40

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1002.952+/-0.167 χ^2/NDF:1598358.2/23

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

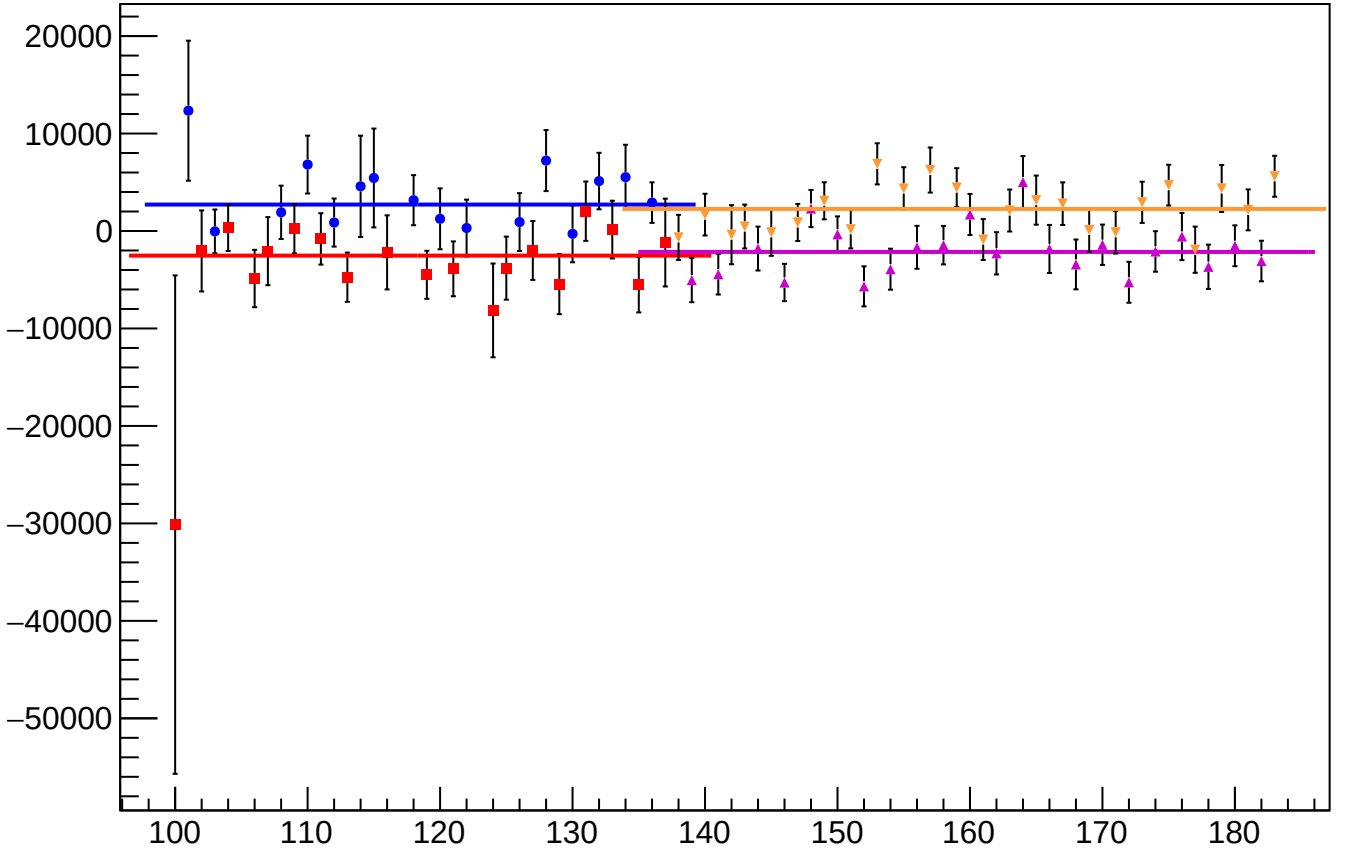
Left In: 984.882+/-0.168 χ^2/NDF:1558267.5/21

\+ sign 990.797+/-0.140 χ^2/NDF: 2308456.5/39

All: 974.407+/-0.098 χ^2/NDF: 4704382.8/80

\- sign 958.595+/-0.138 χ^2/NDF: 2369165.2/40

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2264.569+/-445.419 χ^2/NDF:28.3/23

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

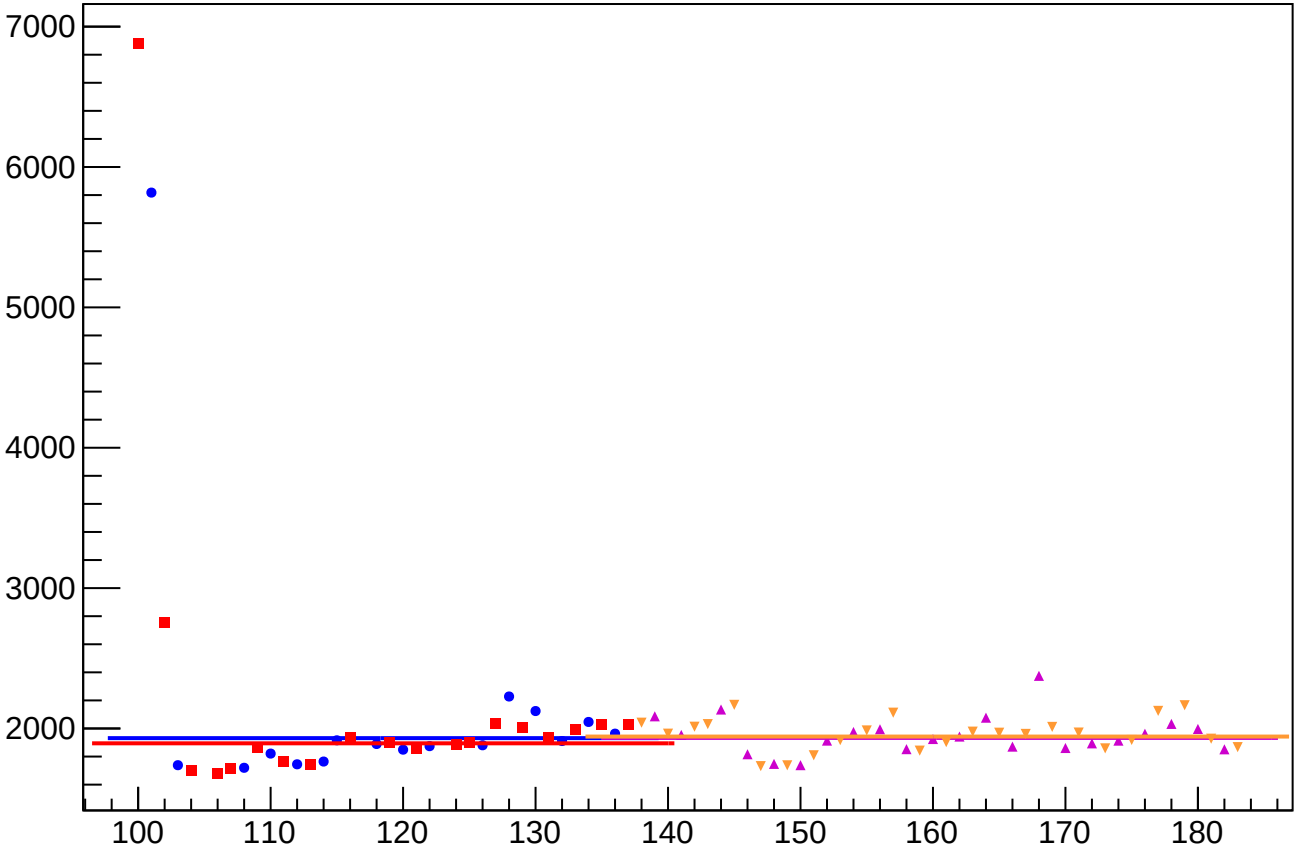
Left In: -2147.468+/-456.260 χ^2/NDF:30.1/21

+ sign 2384.567+/-380.942 χ^2/NDF: 40.6/39

All: 77.073+/-270.187 χ^2/NDF: 158.0/80

- sign -2258.750+/-383.273 χ^2/NDF: 43.5/40

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1942.477+/-0.315 χ^2/NDF:138450.3/23

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

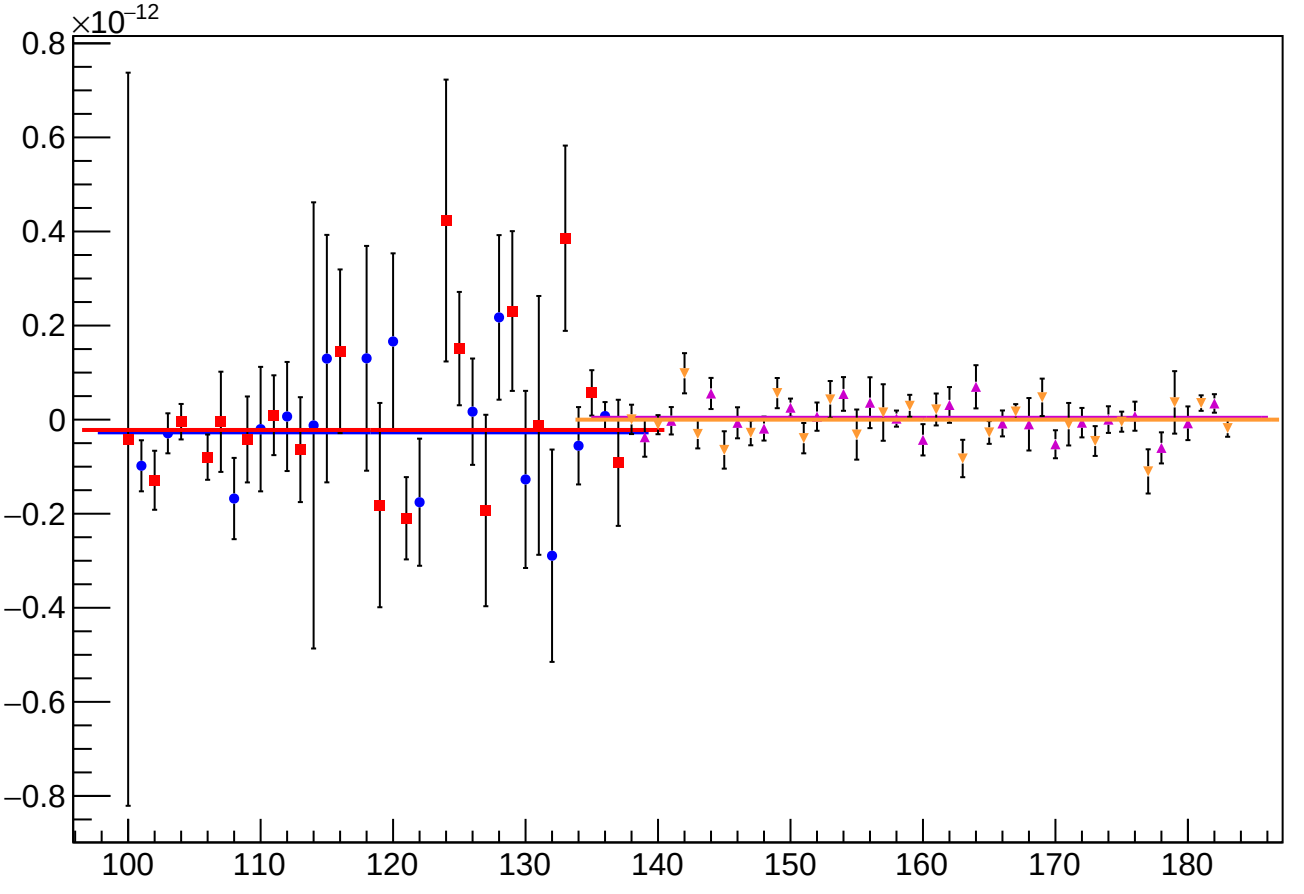
Left In: 1932.835+/-0.323 χ^2/NDF:159297.0/21

+ sign 1939.462+/-0.269 χ^2/NDF: 800018.6/39

All: 1930.539+/-0.191 χ^2/NDF: 1186253.3/80

- sign 1921.507+/-0.271 χ^2/NDF: 384026.8/40

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

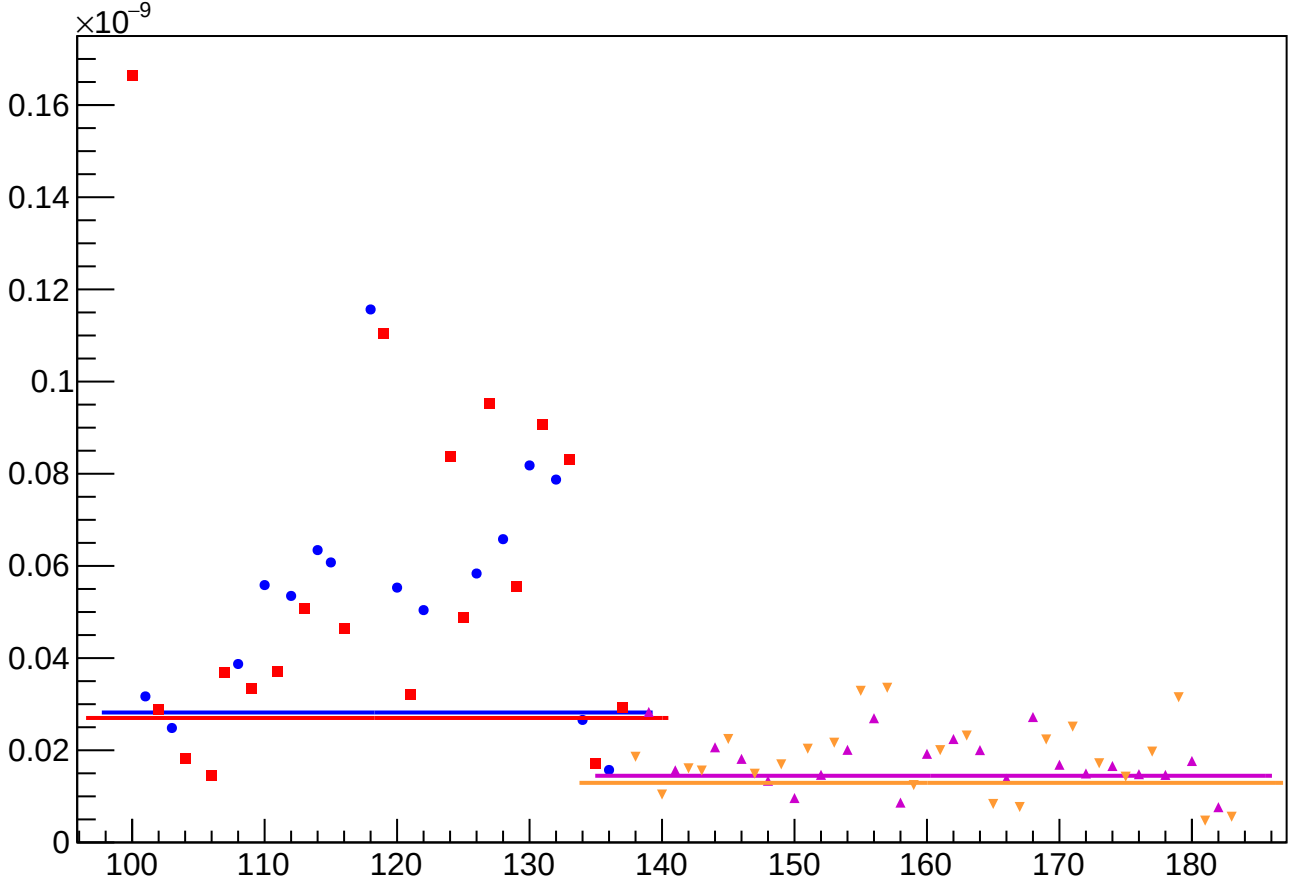
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:22.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 54.7/39

All: -0.000+/-0.000 χ^2/NDF: 104.7/80

- sign 0.000+/-0.000 χ^2/NDF: 49.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2826127.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

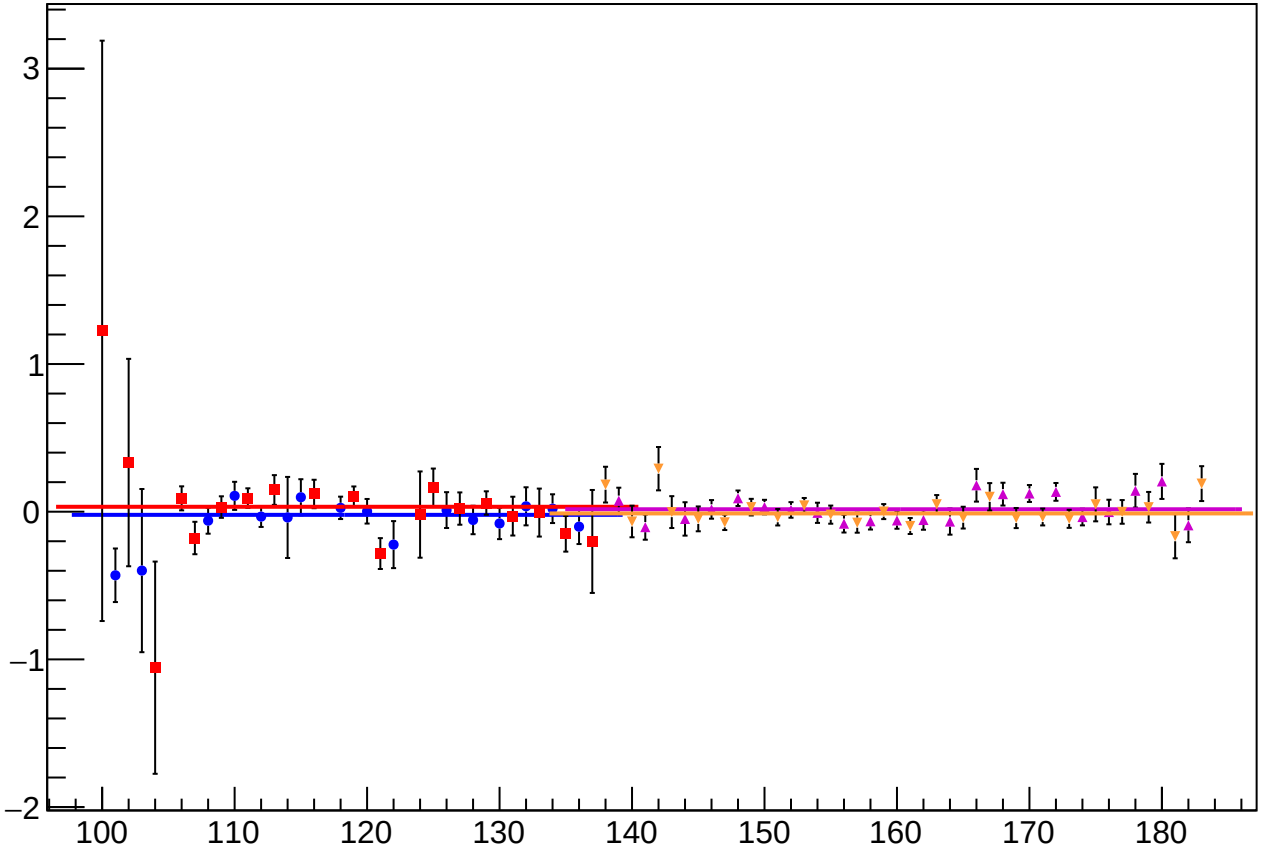
Left In: 0.000+/-0.000 χ^2/NDF:1380389.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 5483140.3/39

All: 0.000+/-0.000 χ^2/NDF: 9247003.5/80

- sign 0.000+/-0.000 χ^2/NDF: 3696731.0/40

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/23

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

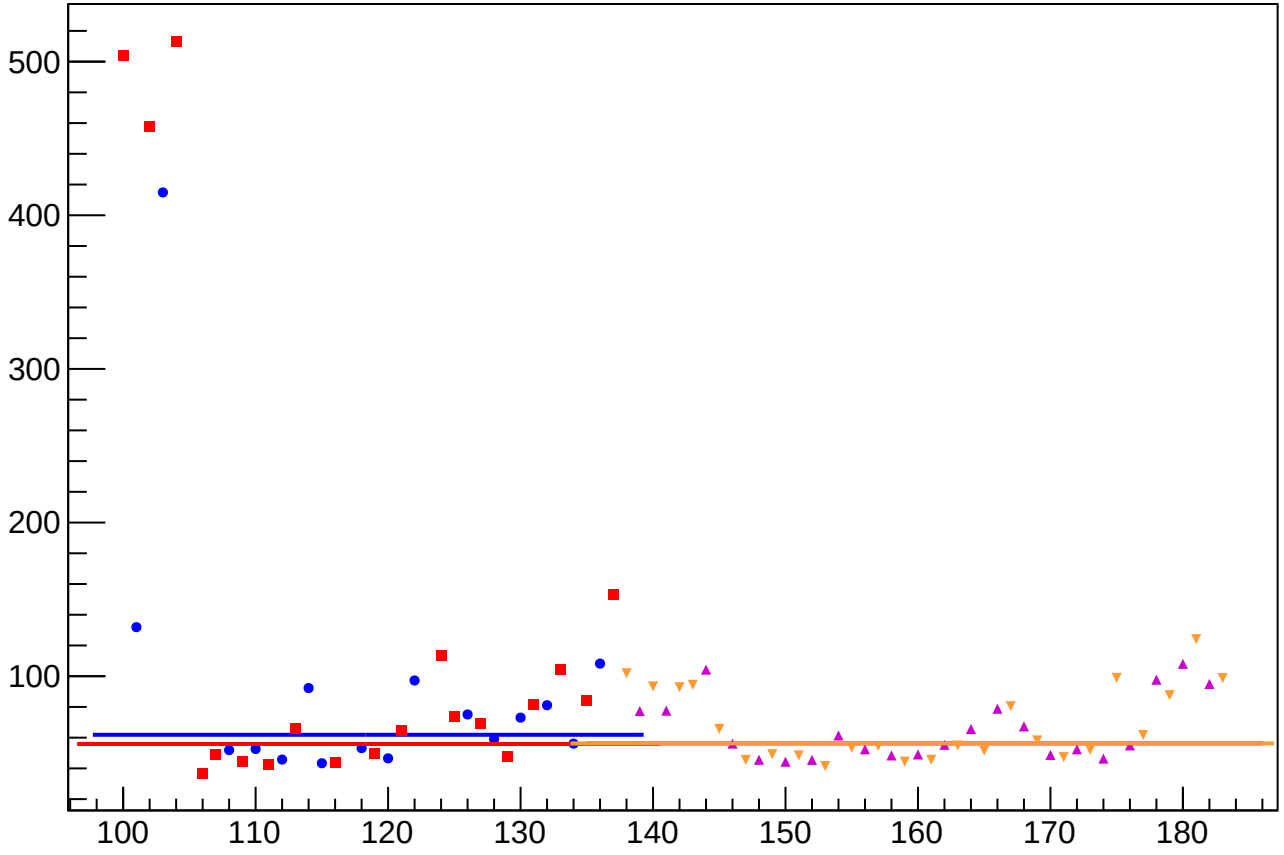
Left In: 0.017+/-0.015 χ^2/NDF:30.3/21

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/39

All: 0.004+/-0.009 χ^2/NDF: 92.8/80

- sign 0.021+/-0.013 χ^2/NDF: 55.1/40

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 56.260+/-0.010 χ^2/NDF:2785997.6/23

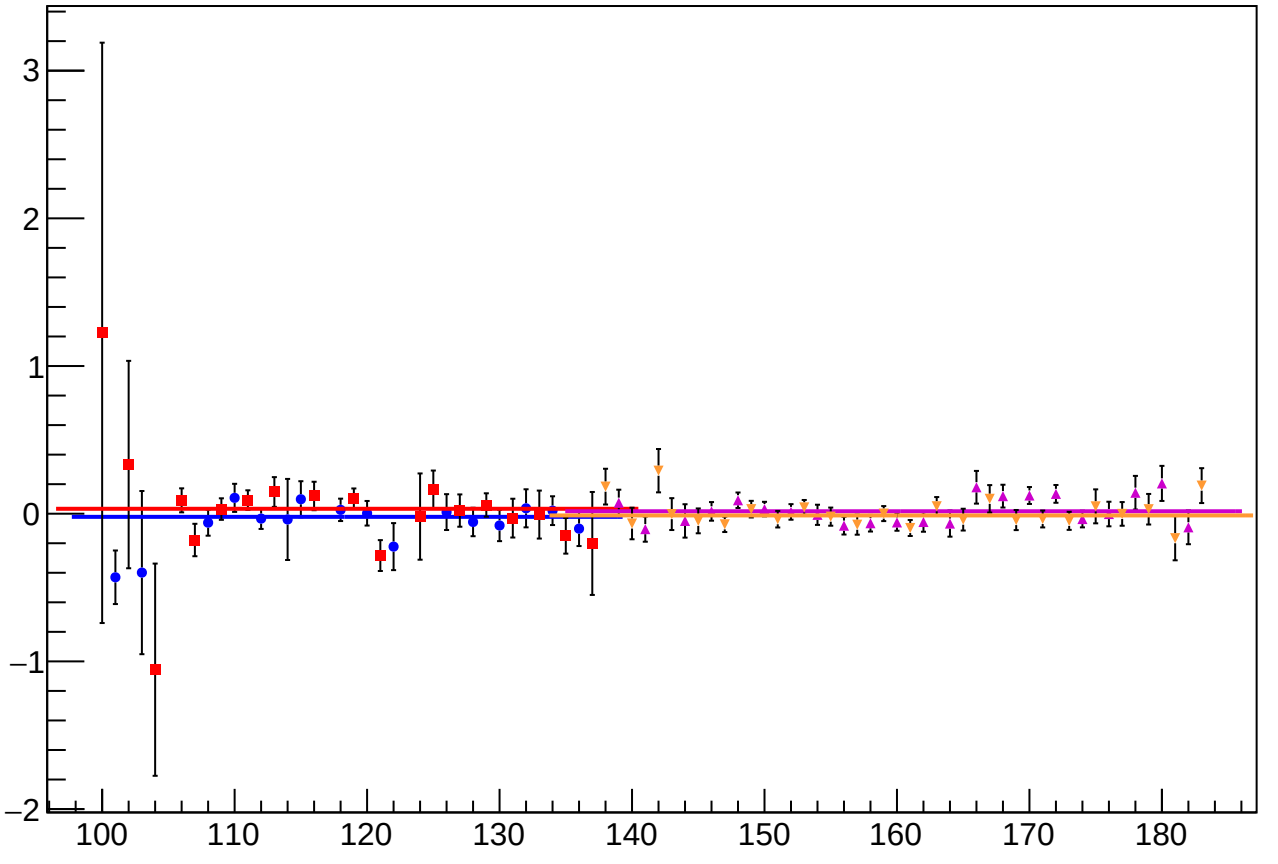
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.261+/-0.010 χ^2/NDF:2098989.5/21

+ sign 57.536+/-0.009 χ^2/NDF: 4793078.4/39

All: 56.843+/-0.006 χ^2/NDF: 9495549.6/80

- sign 56.164+/-0.009 χ^2/NDF: 4690608.1/40



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/23

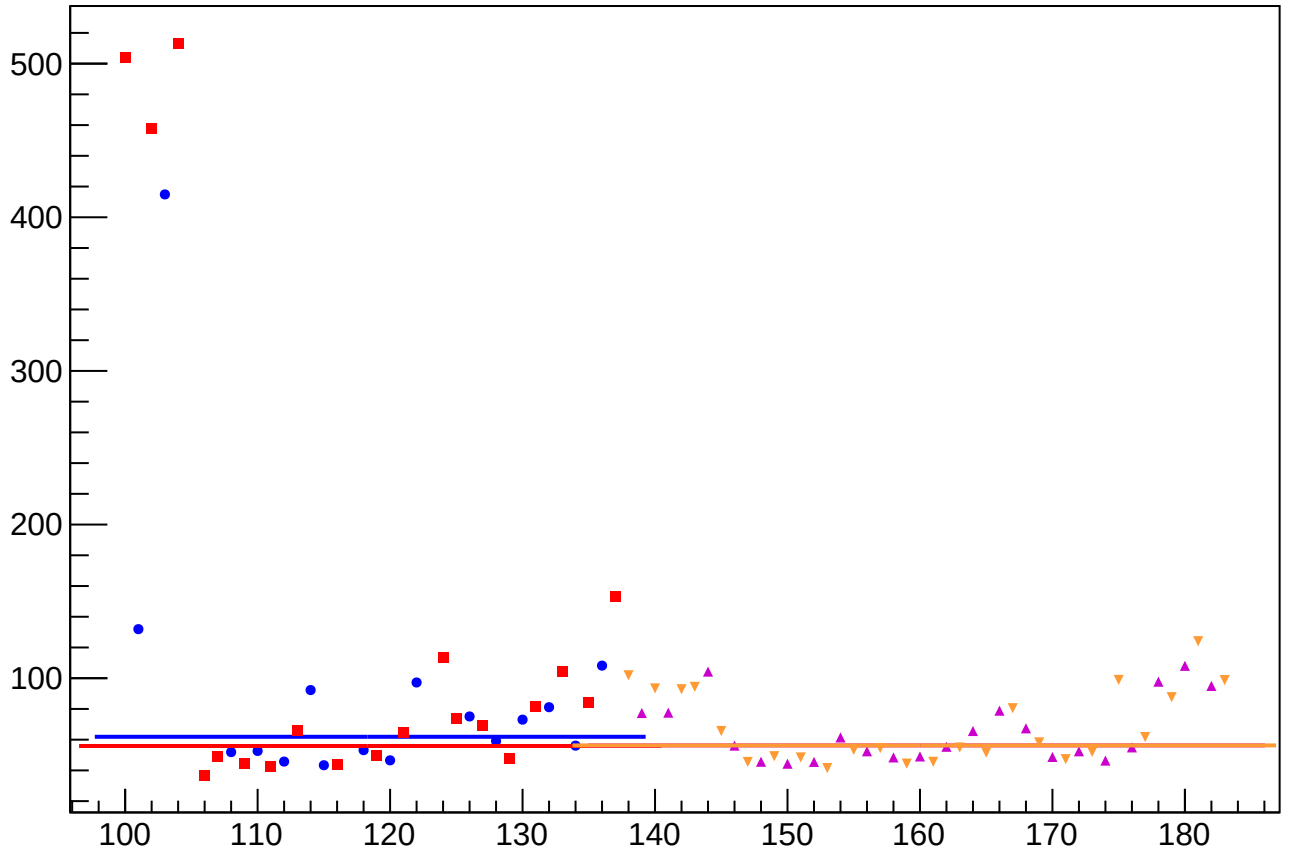
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.017+/-0.015 χ^2/NDF:30.3/21

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/39

All: 0.004+/-0.009 χ^2/NDF: 92.8/80

- sign 0.021+/-0.013 χ^2/NDF: 55.1/40



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 56.260+/-0.010 χ^2/NDF:2785997.6/23

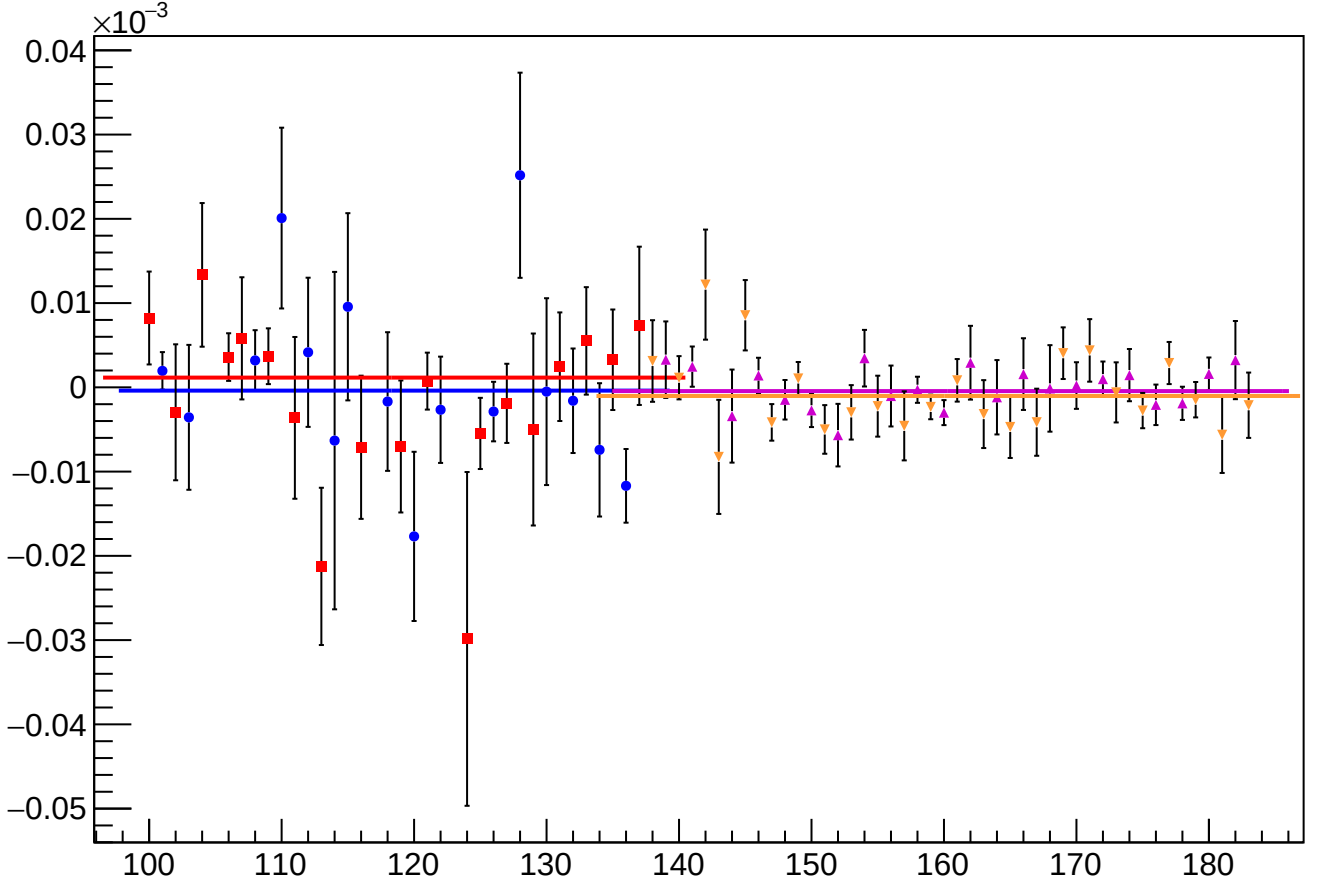
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.261+/-0.010 χ^2/NDF:2098989.5/21

+ sign 57.536+/-0.009 χ^2/NDF: 4793078.4/39

All: 56.843+/-0.006 χ^2/NDF: 9495549.6/80

- sign 56.164+/-0.009 χ^2/NDF: 4690608.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.7/23

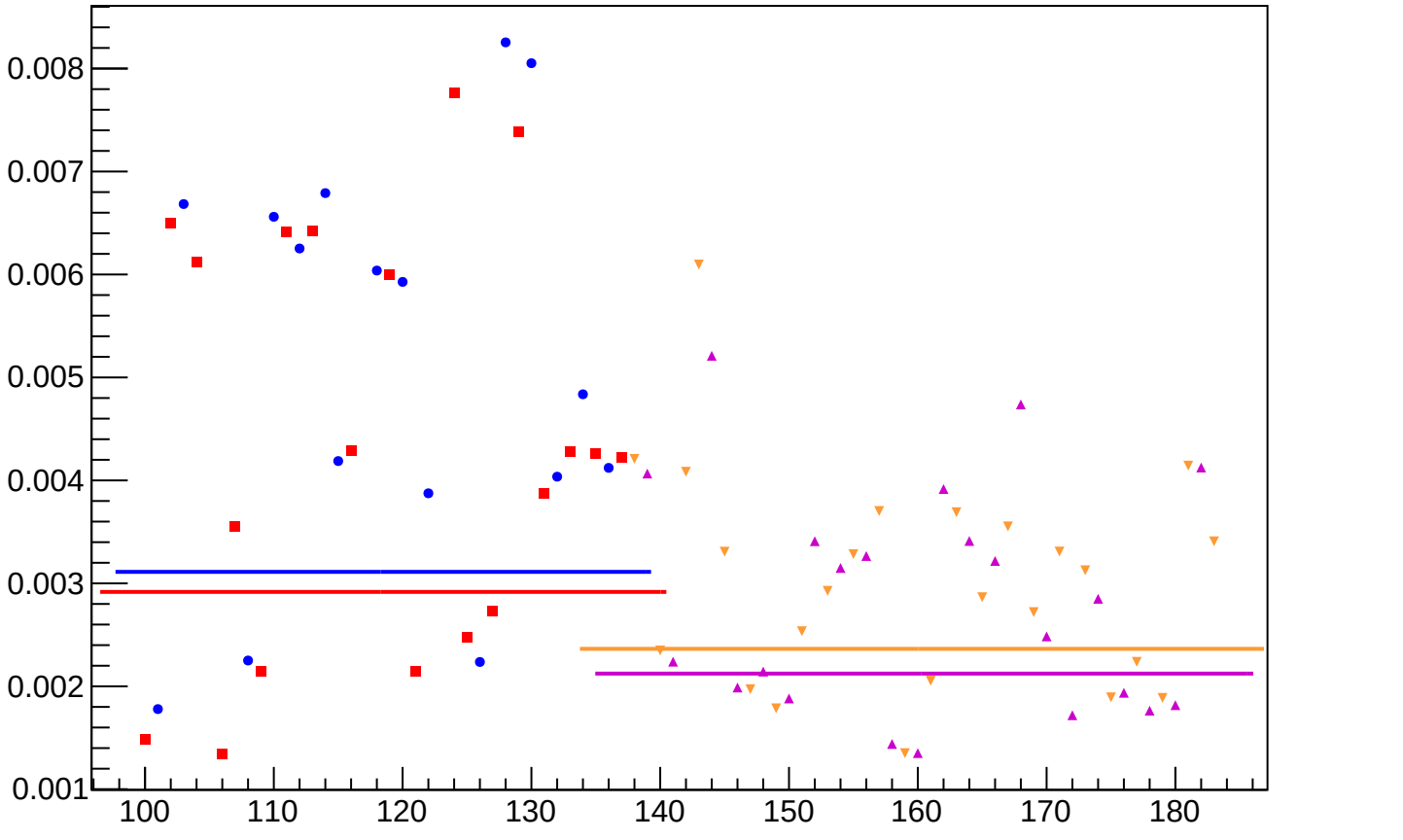
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/39

All: -0.000+/-0.000 χ^2/NDF: 91.8/80

- sign -0.000+/-0.000 χ^2/NDF: 37.4/40



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:4123421.9/23

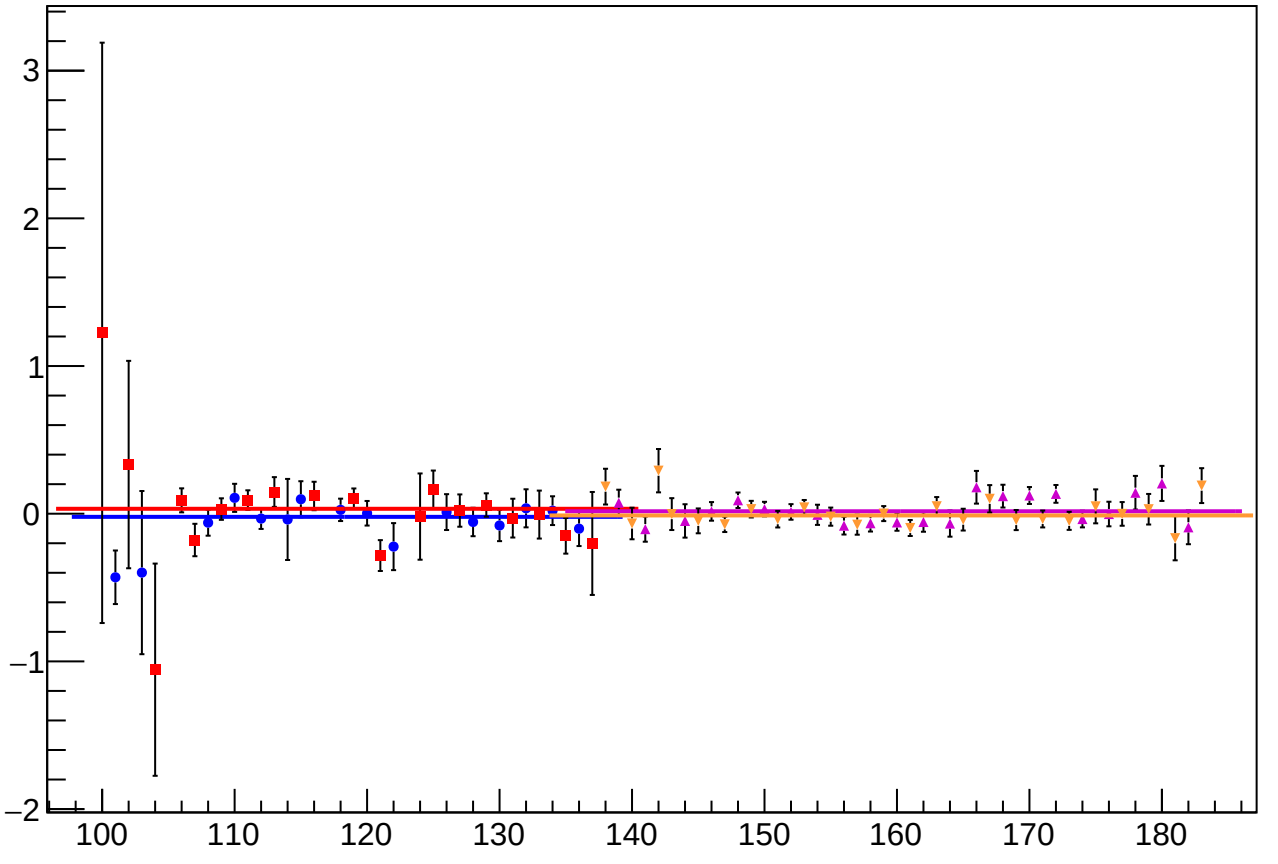
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:4466057.9/21

+ sign 0.002+/-0.000 χ^2/NDF: 7936017.7/39

All: 0.002+/-0.000 χ^2/NDF: 16584660.4/80

- sign 0.002+/-0.000 χ^2/NDF: 8437979.1/40



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/23

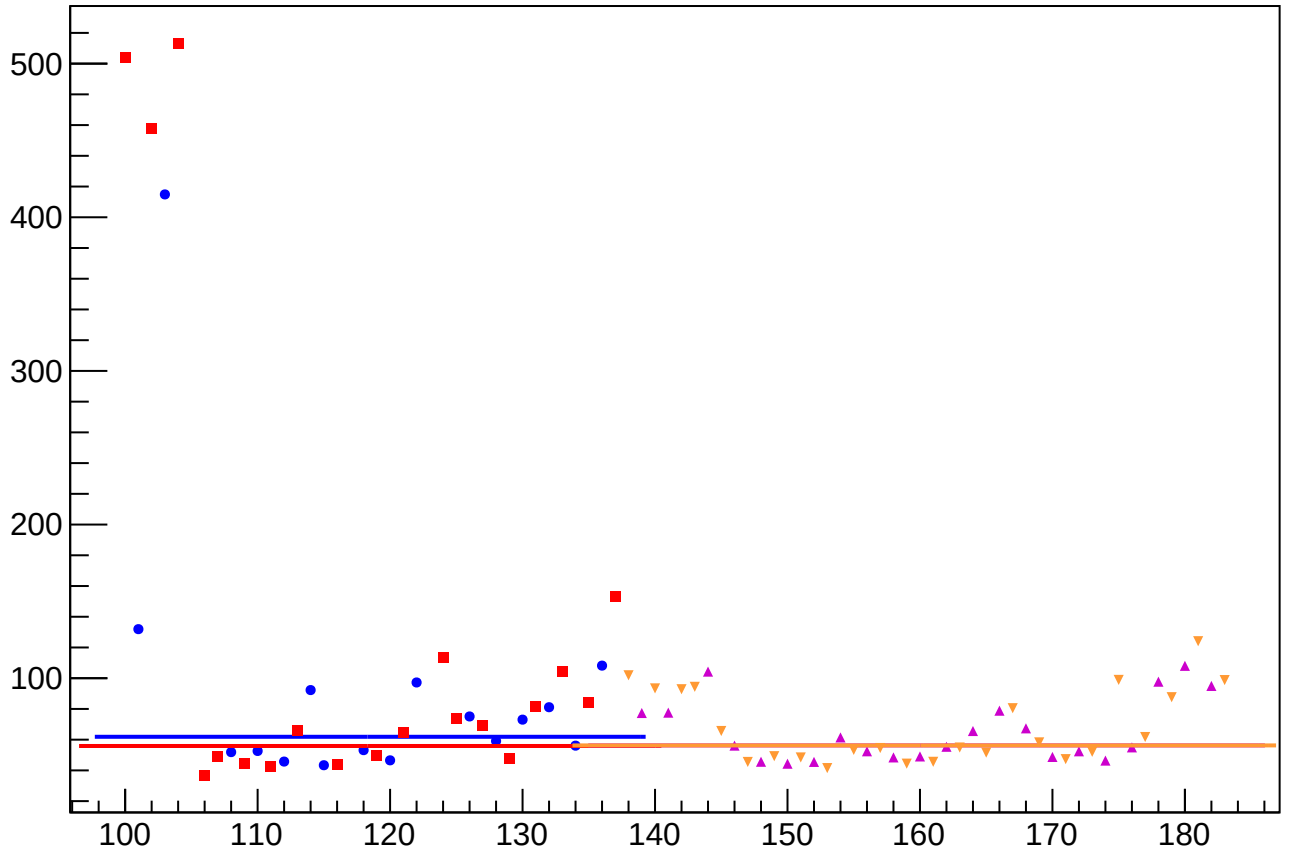
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.017+/-0.015 χ^2/NDF:30.3/21

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/39

All: 0.004+/-0.009 χ^2/NDF: 92.8/80

- sign 0.021+/-0.013 χ^2/NDF: 55.1/40



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 56.260+/-0.010 χ^2/NDF:2786069.8/23

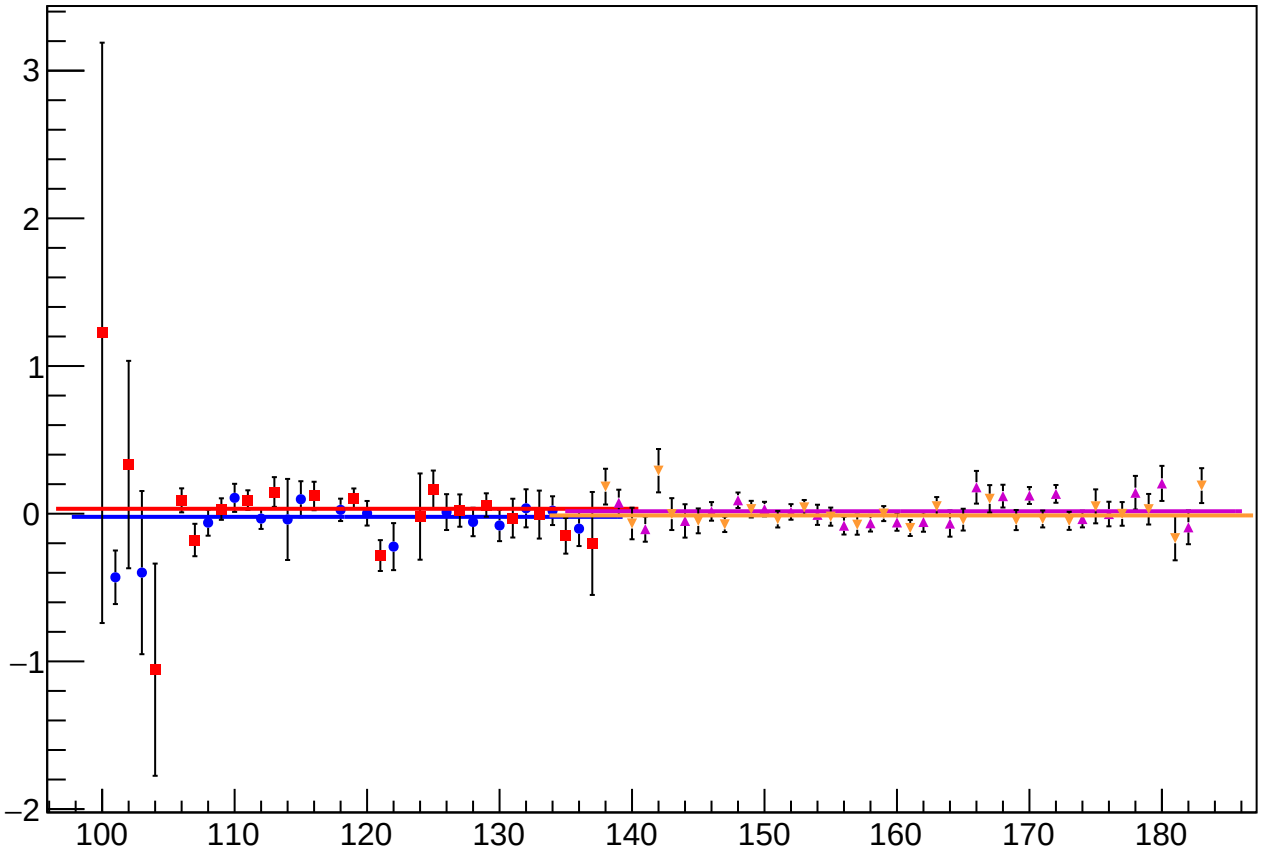
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.261+/-0.010 χ^2/NDF:2098978.6/21

+ sign 57.536+/-0.009 χ^2/NDF: 4793081.0/39

All: 56.843+/-0.006 χ^2/NDF: 9495503.3/80

- sign 56.164+/-0.009 χ^2/NDF: 4690556.9/40



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/23

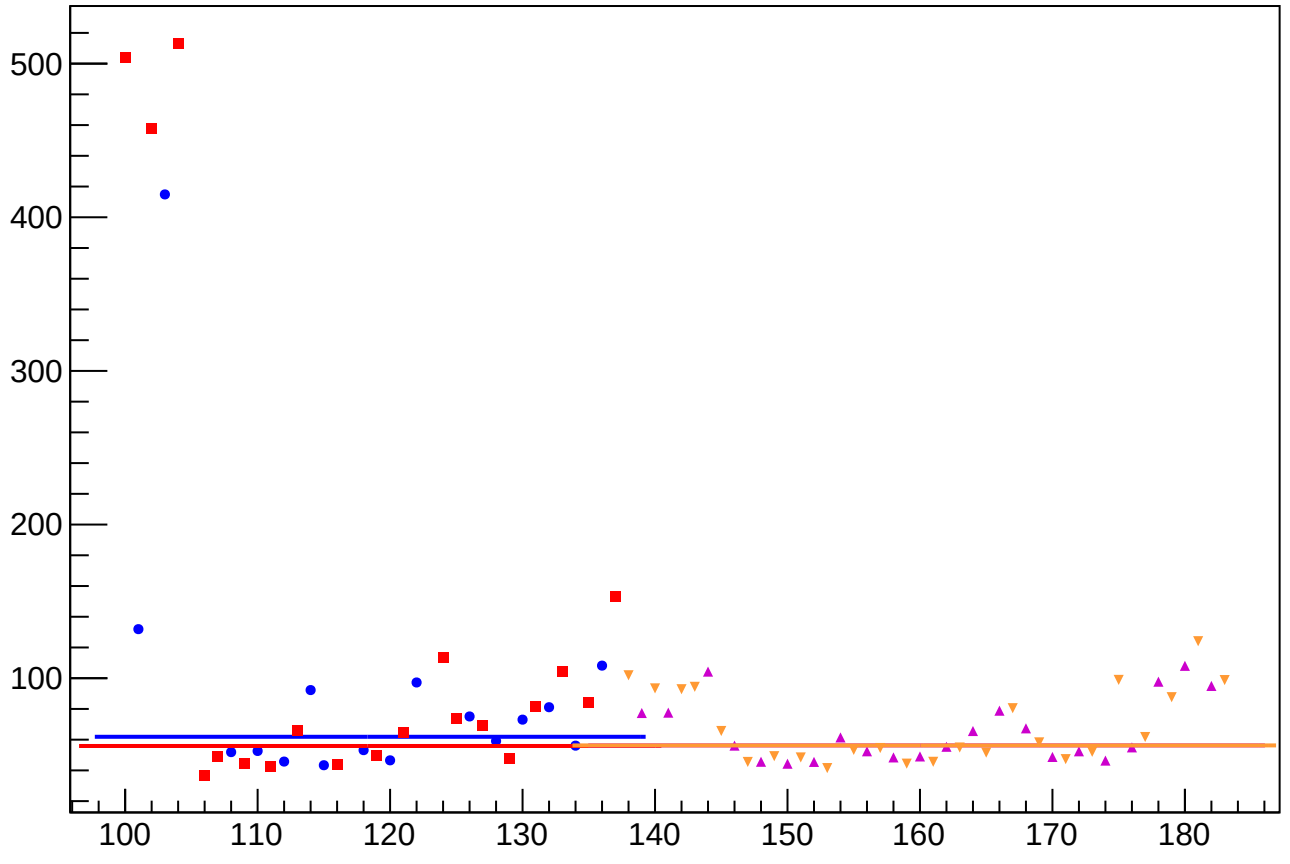
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.017+/-0.015 χ^2/NDF:30.3/21

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/39

All: 0.004+/-0.009 χ^2/NDF: 92.8/80

- sign 0.021+/-0.013 χ^2/NDF: 55.1/40



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 56.260+/-0.010 χ^2/NDF:2786069.8/23

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

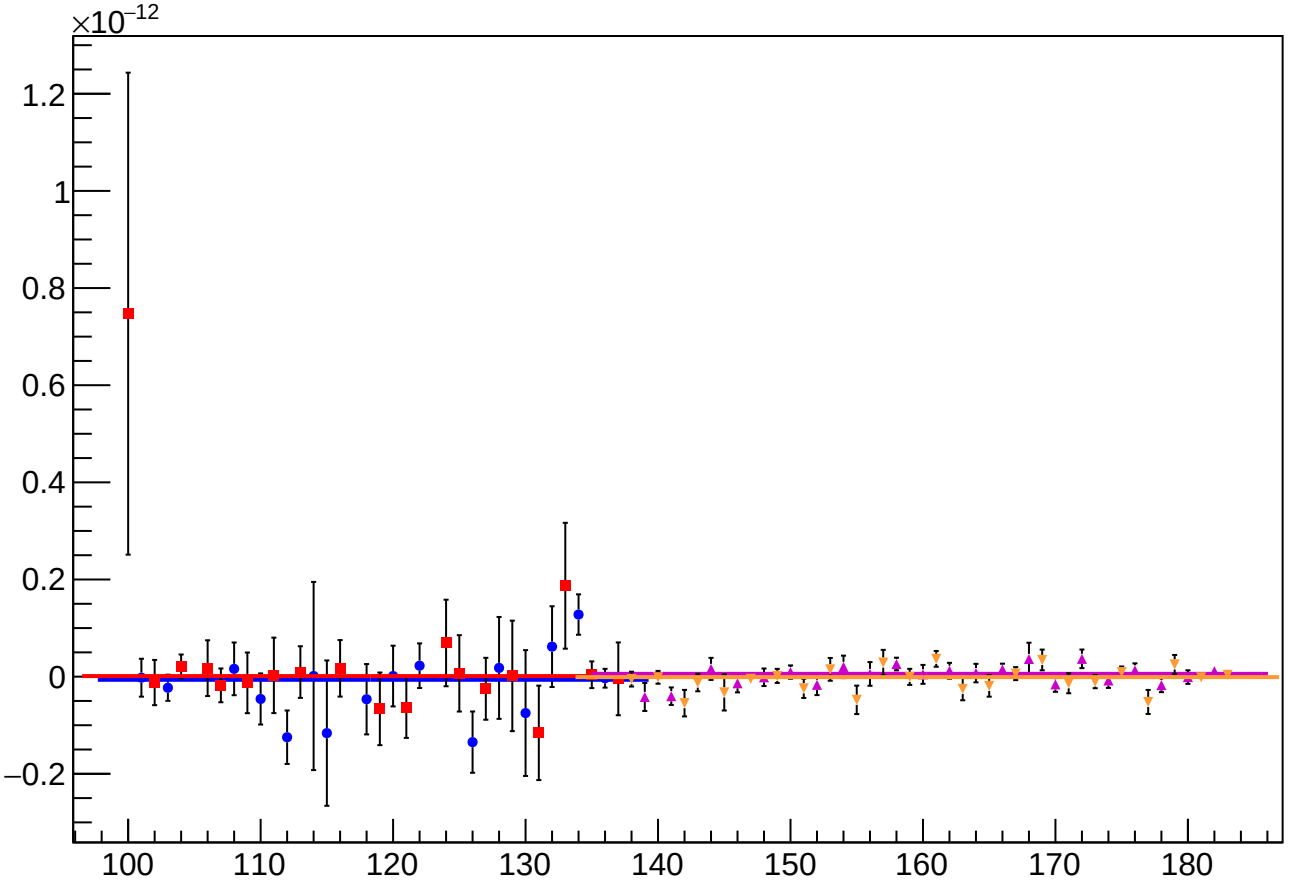
Left In: 56.261+/-0.010 χ^2/NDF:2098978.6/21

+ sign 57.536+/-0.009 χ^2/NDF: 4793081.0/39

All: 56.843+/-0.006 χ^2/NDF: 9495503.3/80

- sign 56.164+/-0.009 χ^2/NDF: 4690556.9/40

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

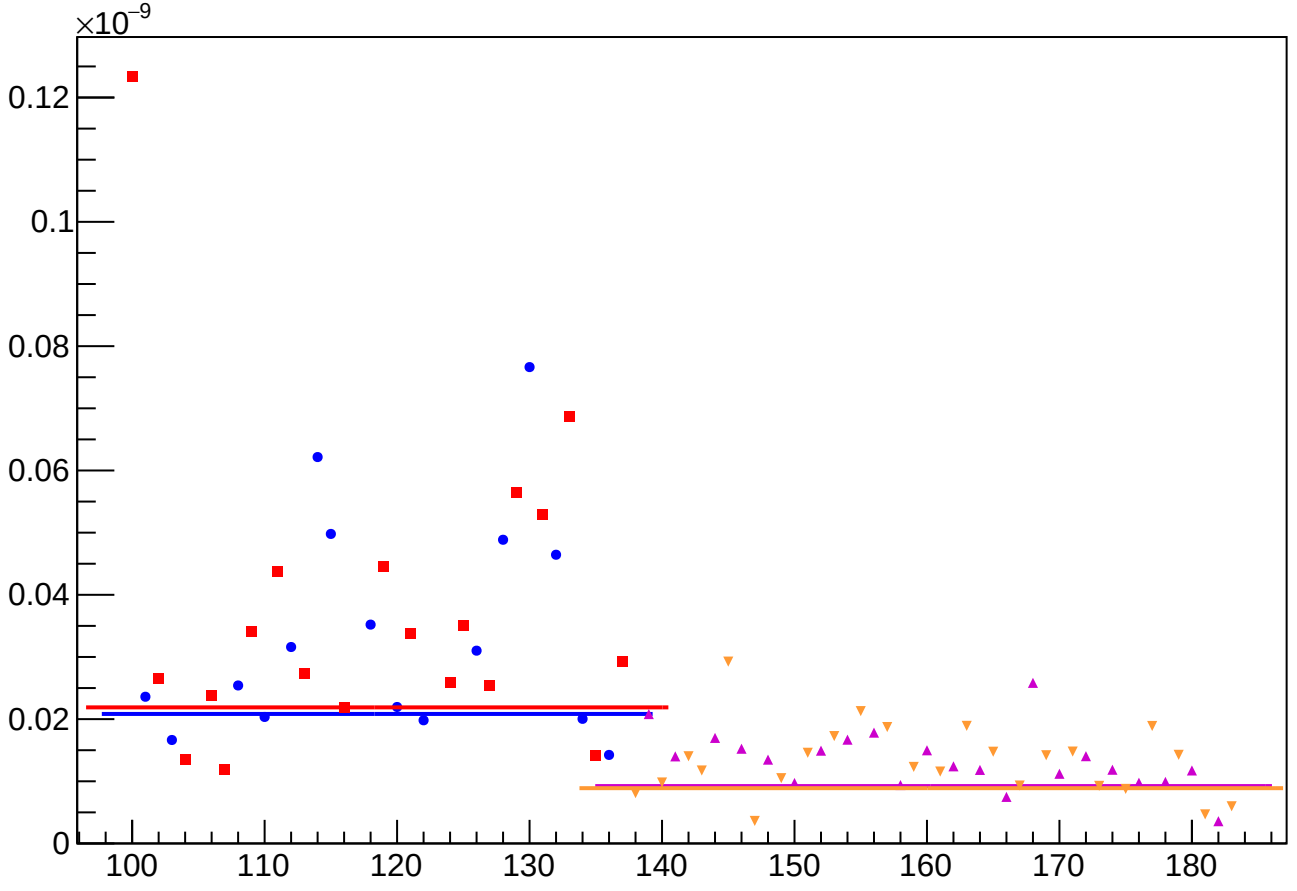
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:25.7/21

+ sign -0.000+/-0.000 χ^2/NDF: 51.9/39

All: 0.000+/-0.000 χ^2/NDF: 90.2/80

- sign 0.000+/-0.000 χ^2/NDF: 35.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5044102.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

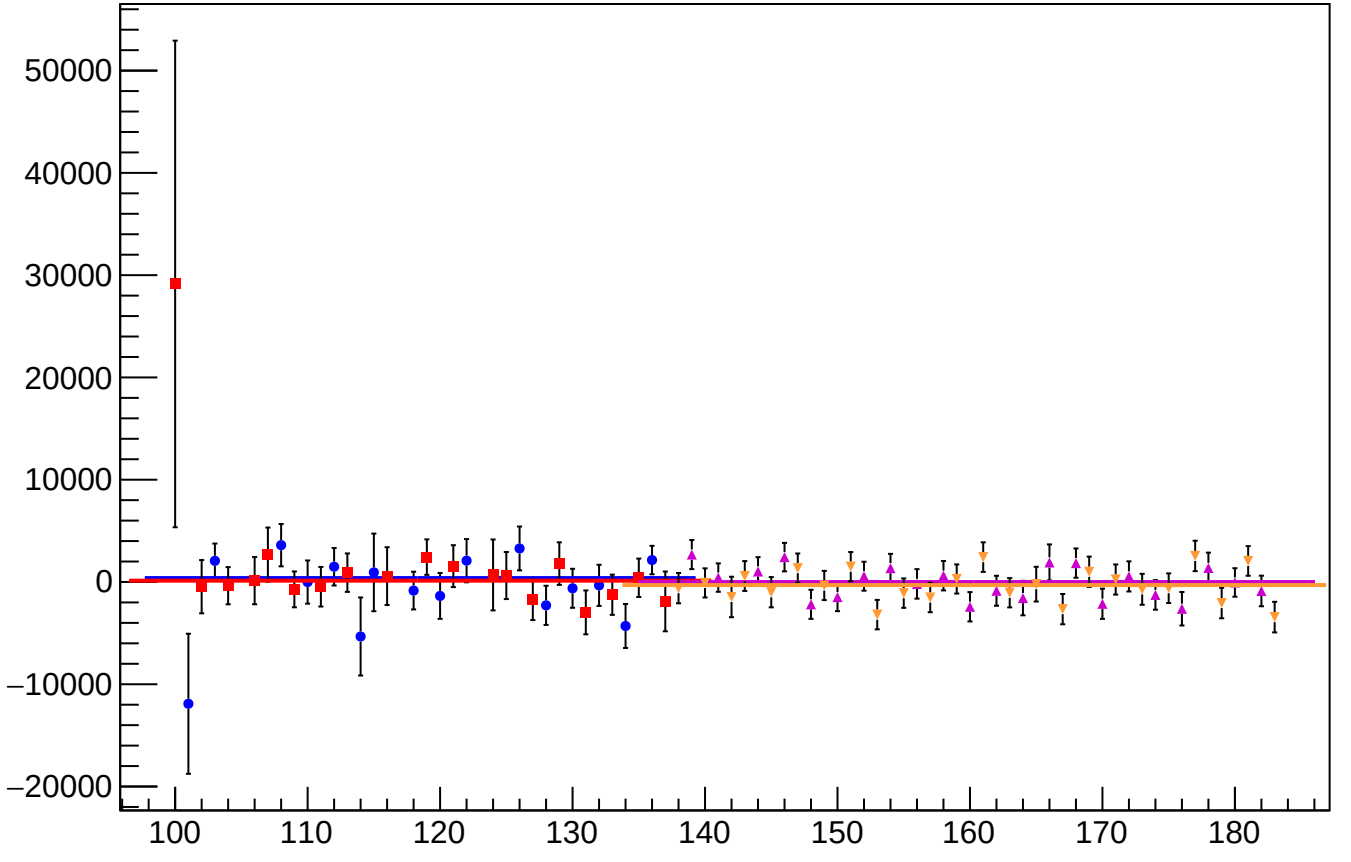
Left In: 0.000+/-0.000 χ^2/NDF:5066045.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 8526545.3/39

All: 0.000+/-0.000 χ^2/NDF: 17639982.8/80

- sign 0.000+/-0.000 χ^2/NDF: 9097918.8/40

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -302.141+/-302.031 χ^2/NDF:28.6/23

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

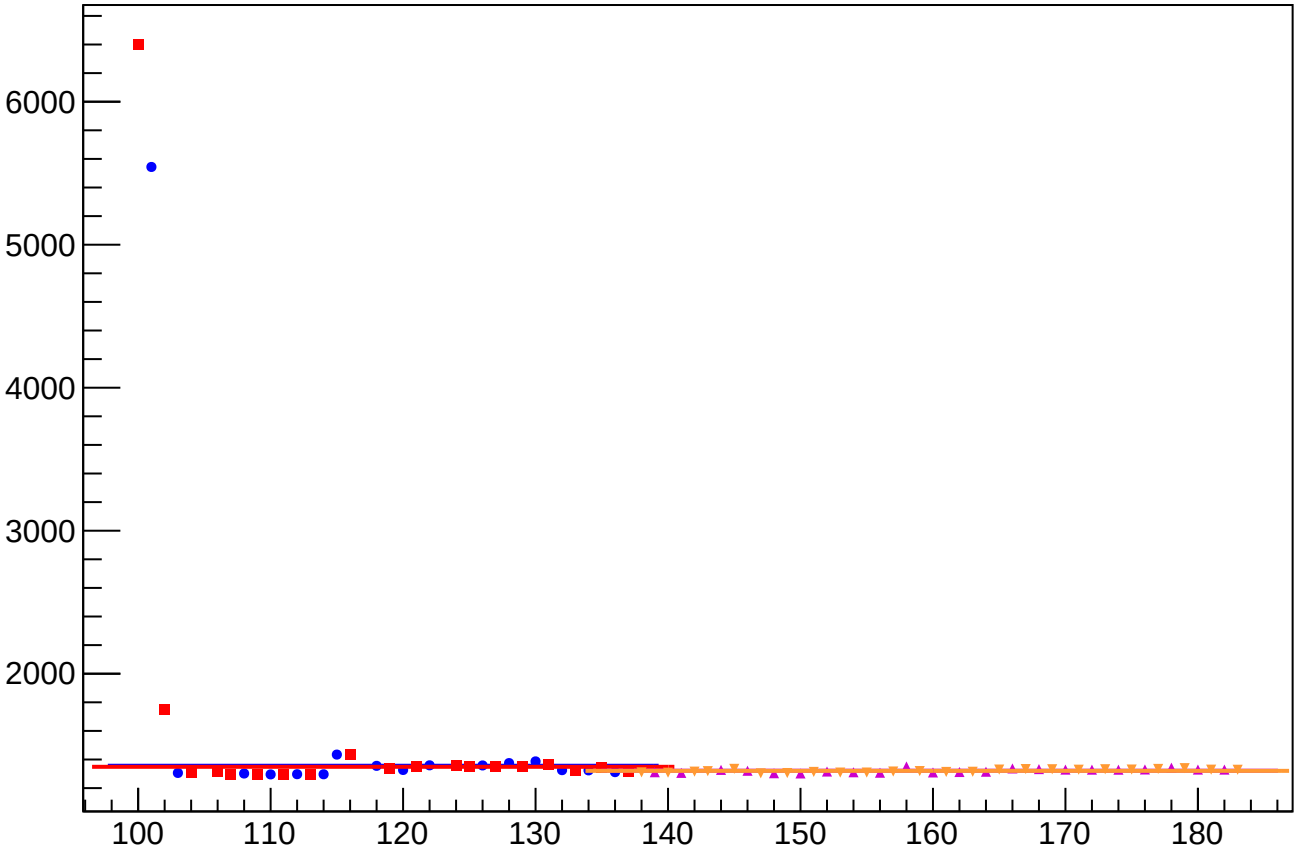
Left In: -8.124+/-311.128 χ^2/NDF:25.7/21

+ sign -128.610+/-260.891 χ^2/NDF: 51.5/39

All: -50.463+/-185.673 χ^2/NDF: 87.3/80

- sign 29.744+/-264.307 χ^2/NDF: 35.7/40

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1320.717+/-0.214 χ^2/NDF:2601.4/23

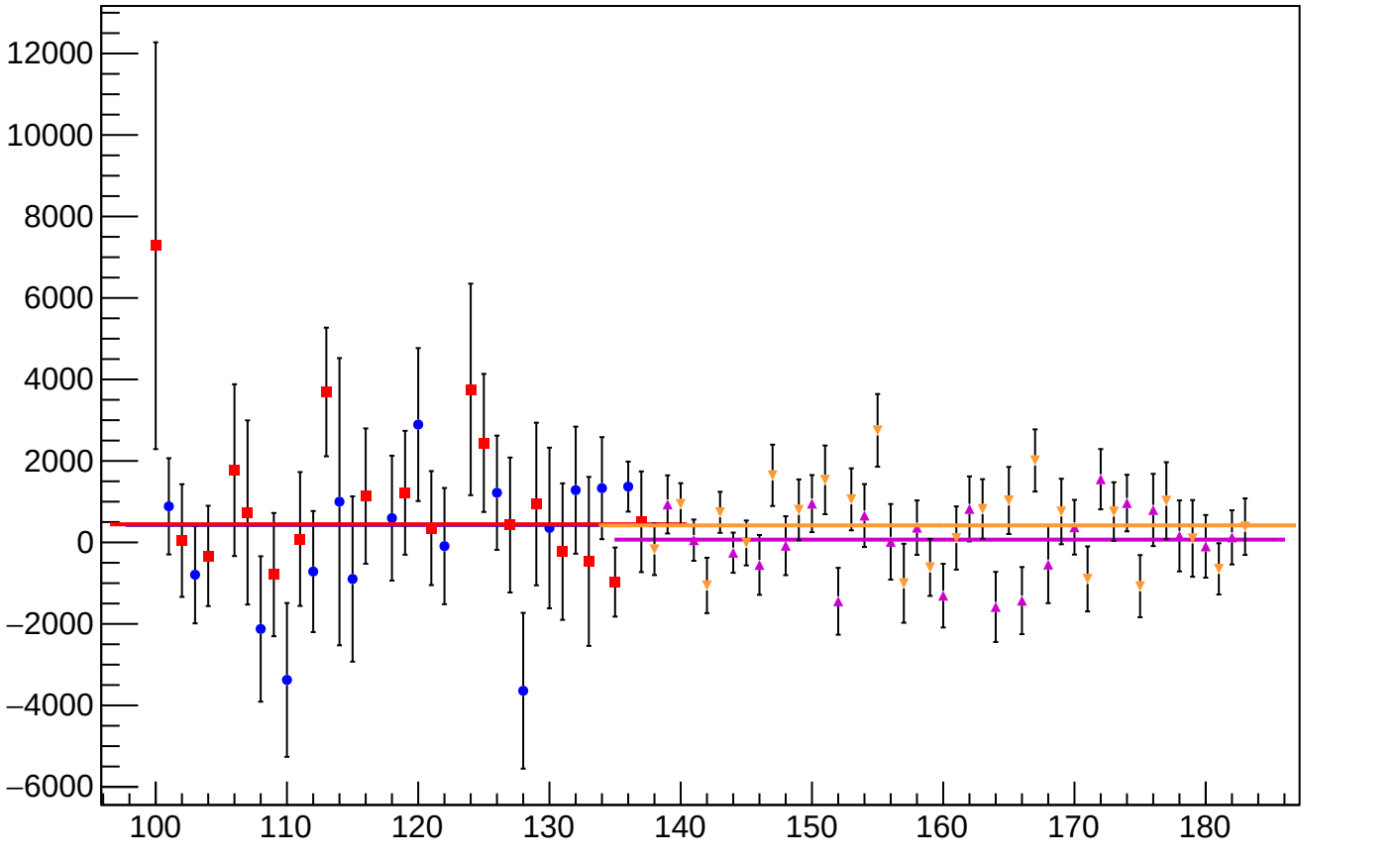
Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1321.658+/-0.220 χ^2/NDF:3533.2/21

+ sign 1329.775+/-0.184 χ^2/NDF: 769953.7/39

All: 1329.521+/-0.131 χ^2/NDF: 925047.5/80

- sign 1329.261+/-0.187 χ^2/NDF: 155090.0/40



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 418.209+/-145.575 χ^2/NDF:39.9/23

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

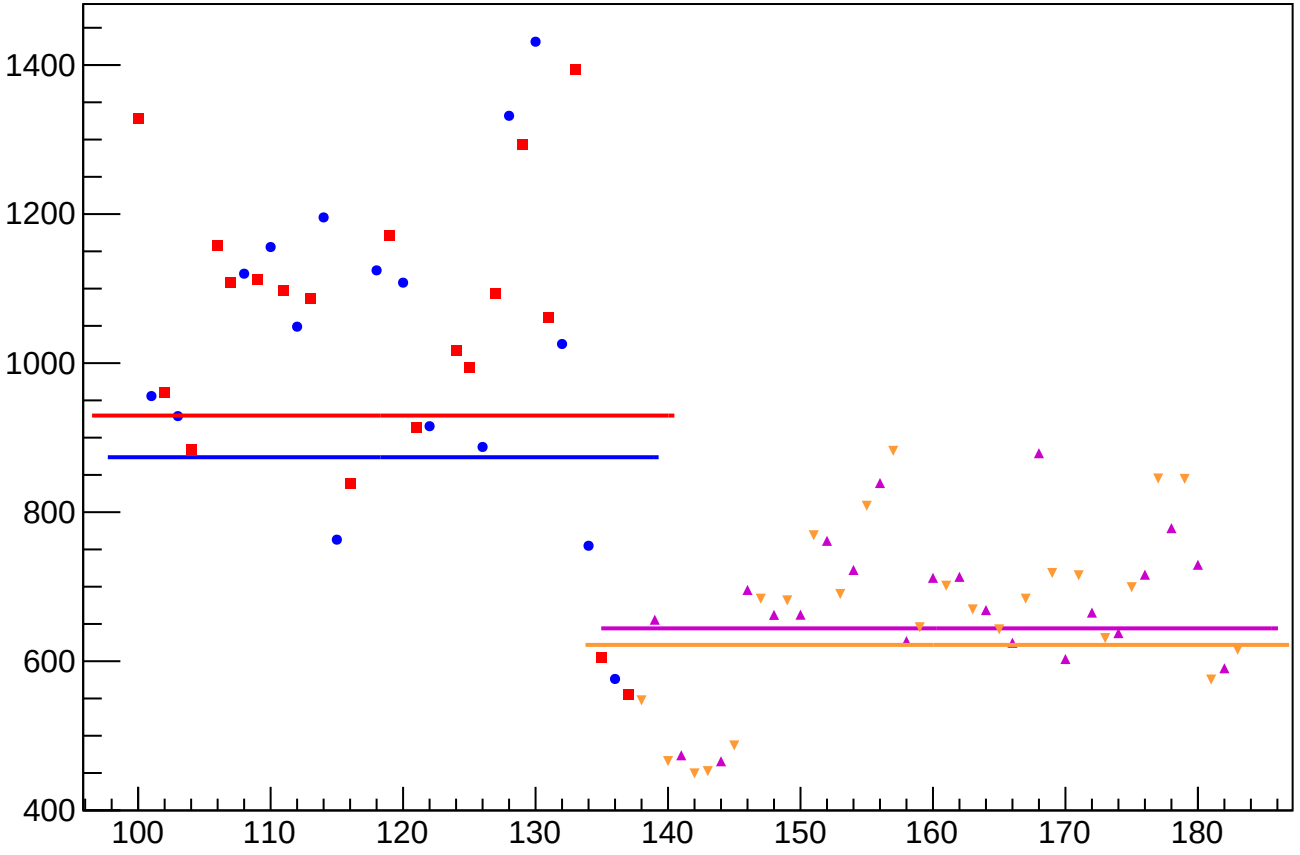
Left In: 68.601+/-153.983 χ^2/NDF:26.5/21

+ sign 420.107+/-133.730 χ^2/NDF: 58.2/39

All: 282.075+/-97.128 χ^2/NDF: 102.2/80

- sign 127.966+/-141.303 χ^2/NDF: 41.8/40

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 621.916+/-0.103 χ^2/NDF:1383465.4/23

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

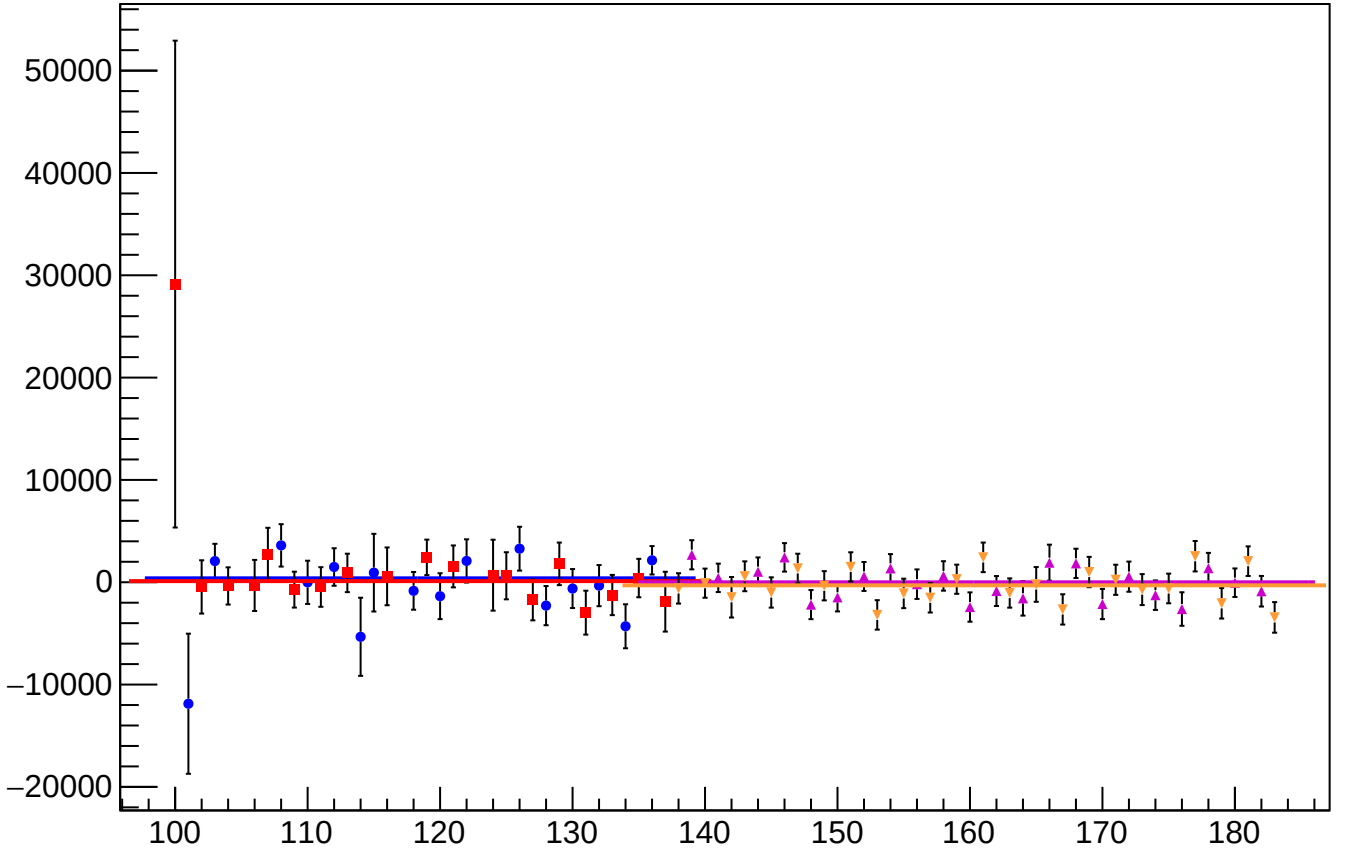
Left In: 644.087+/-0.109 χ^2/NDF:915984.0/21

\+ sign 661.229+/-0.095 χ^2/NDF: 3332586.0/39

All: 674.434+/-0.069 χ^2/NDF: 6235815.0/80

\- sign 689.177+/-0.100 χ^2/NDF: 2861956.1/40

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -302.152+/-302.031 χ^2/NDF:28.6/23

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

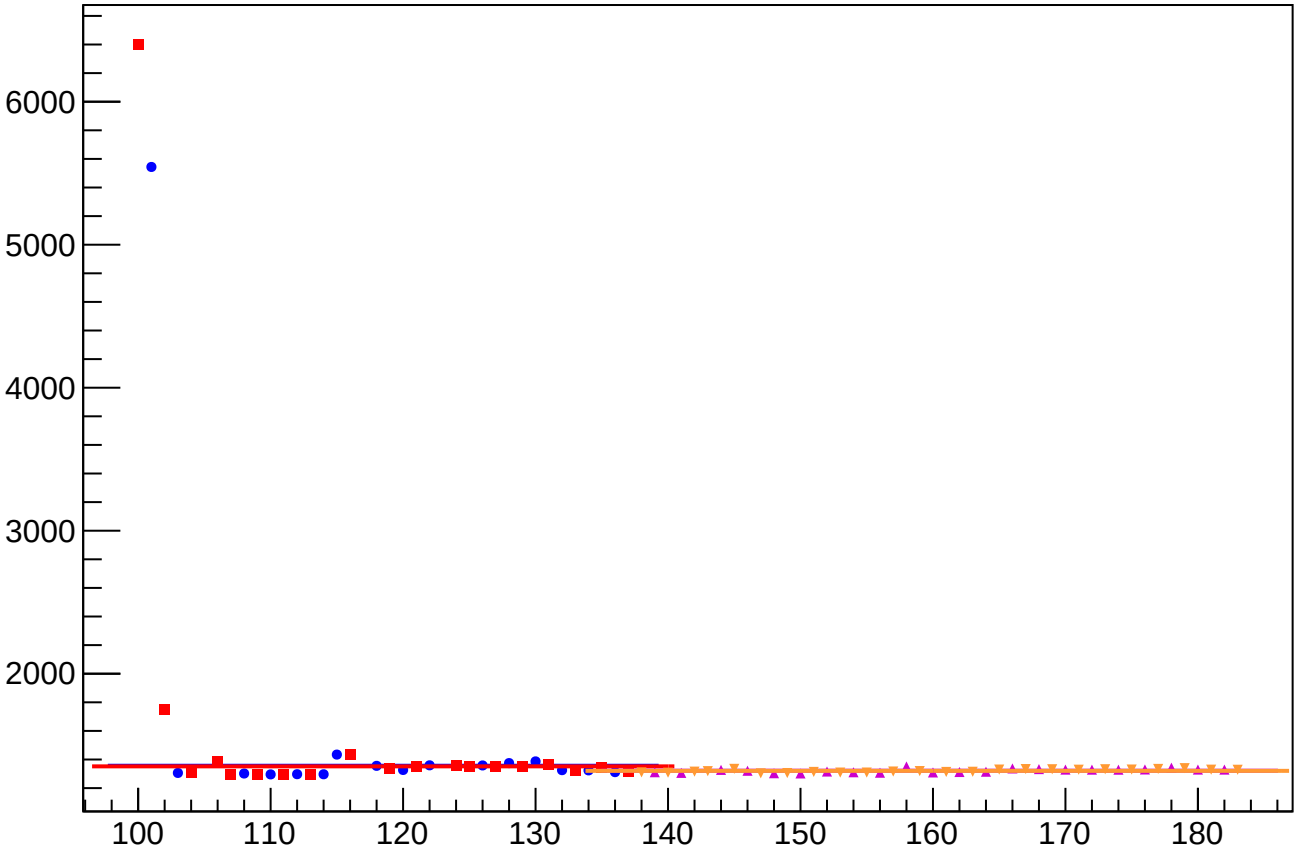
Left In: -8.075+/-311.128 χ^2/NDF:25.7/21

+ sign -128.540+/-260.891 χ^2/NDF: 51.4/39

All: -52.987+/-185.760 χ^2/NDF: 87.3/80

- sign 24.705+/-264.557 χ^2/NDF: 35.7/40

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.717+/-0.214 χ^2/NDF:2601.4/23

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

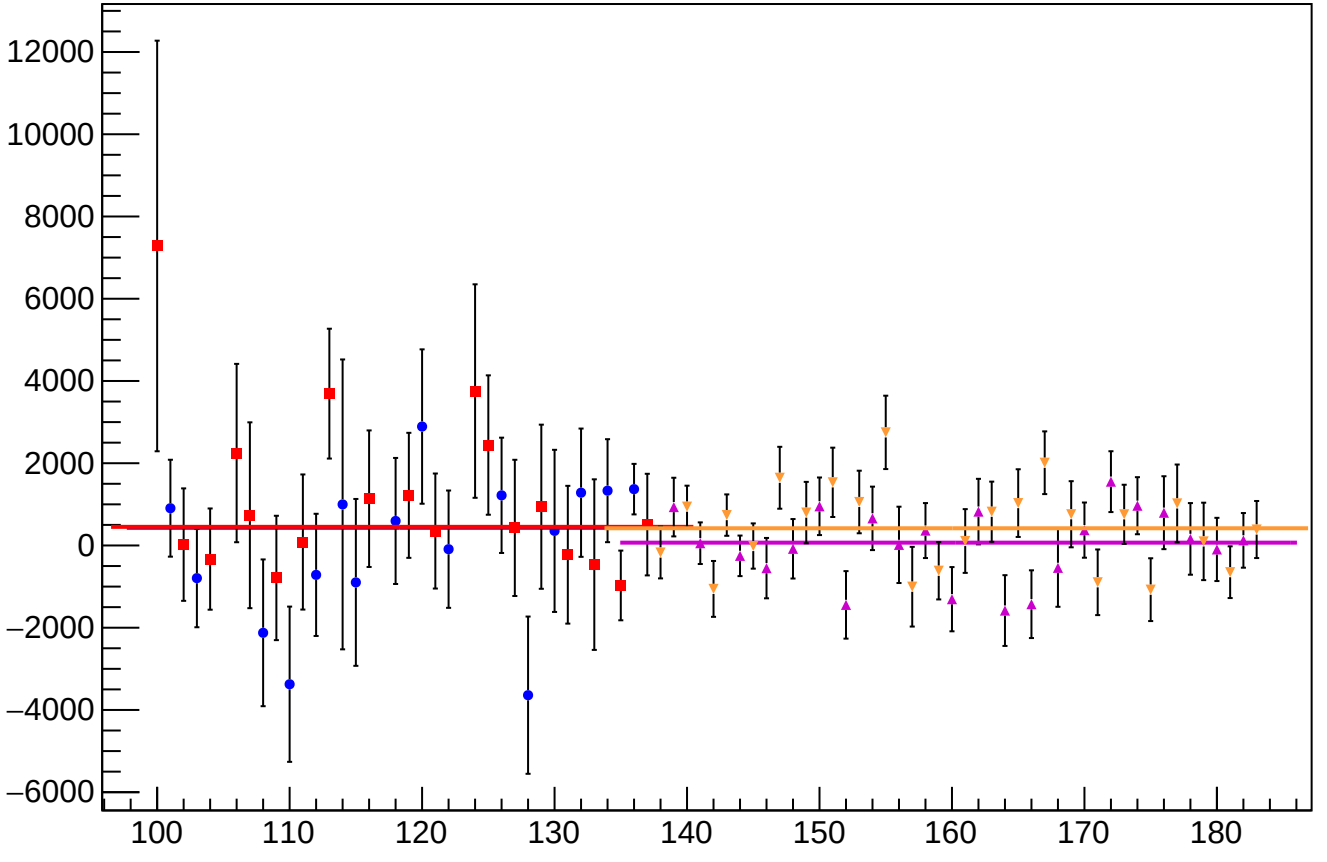
Left In: 1321.658+/-0.220 χ^2/NDF:3533.2/21

+ sign 1329.775+/-0.184 χ^2/NDF: 769952.7/39

All: 1329.928+/-0.131 χ^2/NDF: 926111.1/80

- sign 1330.085+/-0.187 χ^2/NDF: 156157.0/40

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 418.178+/-145.575 χ^2/NDF:39.9/23

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

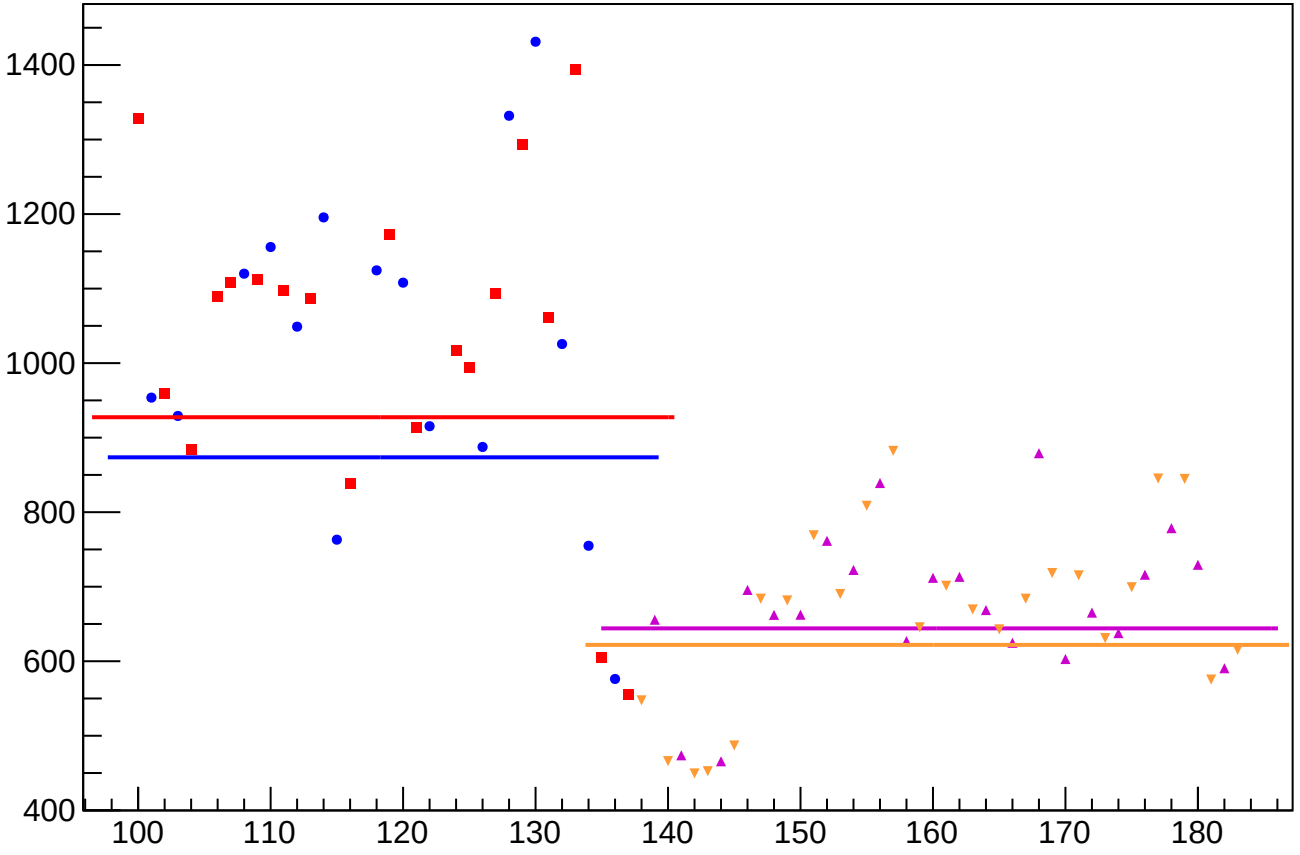
Left In: 68.586+/-153.982 χ^2/NDF:26.5/21

+ sign 420.357+/-133.726 χ^2/NDF: 58.2/39

All: 282.836+/-97.127 χ^2/NDF: 102.6/80

- sign 129.291+/-141.303 χ^2/NDF: 42.1/40

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 621.917+/-0.103 χ^2/NDF:1383365.8/23

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

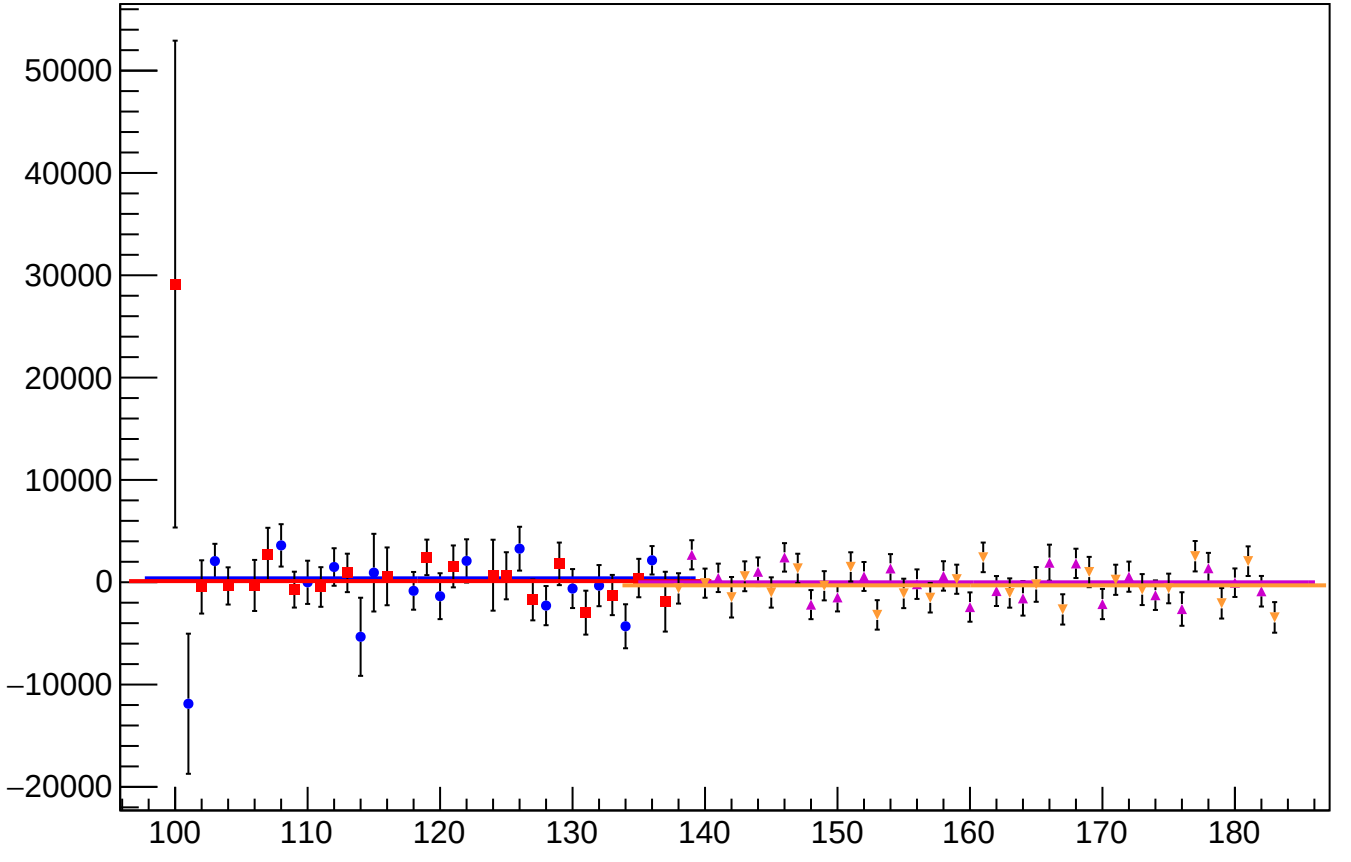
Left In: 644.083+/-0.109 χ^2/NDF:916027.1/21

\+ sign 661.220+/-0.095 χ^2/NDF: 3331354.0/39

All: 674.260+/-0.069 χ^2/NDF: 6204168.0/80

\- sign 688.819+/-0.100 χ^2/NDF: 2832564.9/40

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -302.152+/-302.031 χ^2/NDF:28.6/23

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

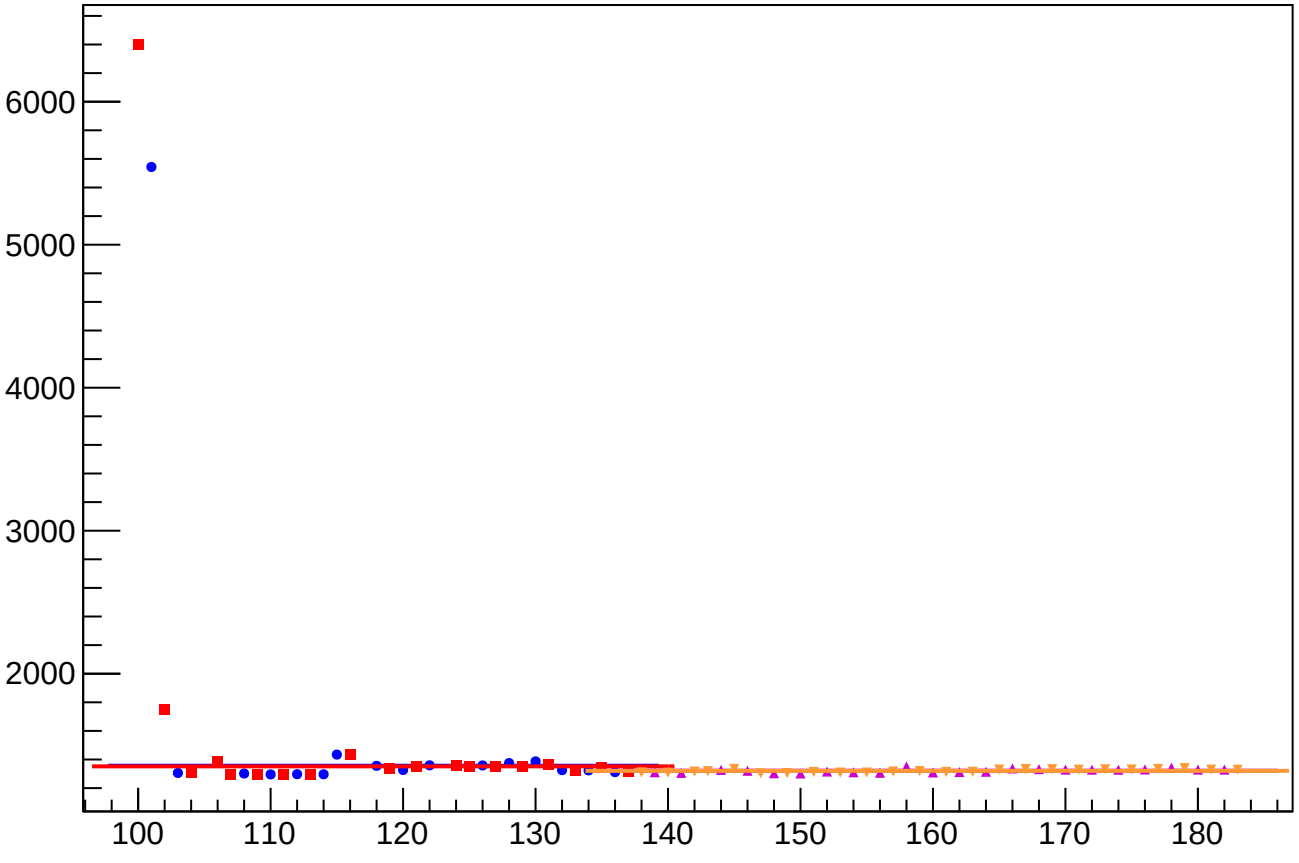
Left In: -8.075+/-311.128 χ^2/NDF:25.7/21

+ sign -128.540+/-260.891 χ^2/NDF: 51.4/39

All: -52.987+/-185.760 χ^2/NDF: 87.3/80

- sign 24.705+/-264.557 χ^2/NDF: 35.7/40

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1320.717+/-0.214 χ^2/NDF:2601.4/23

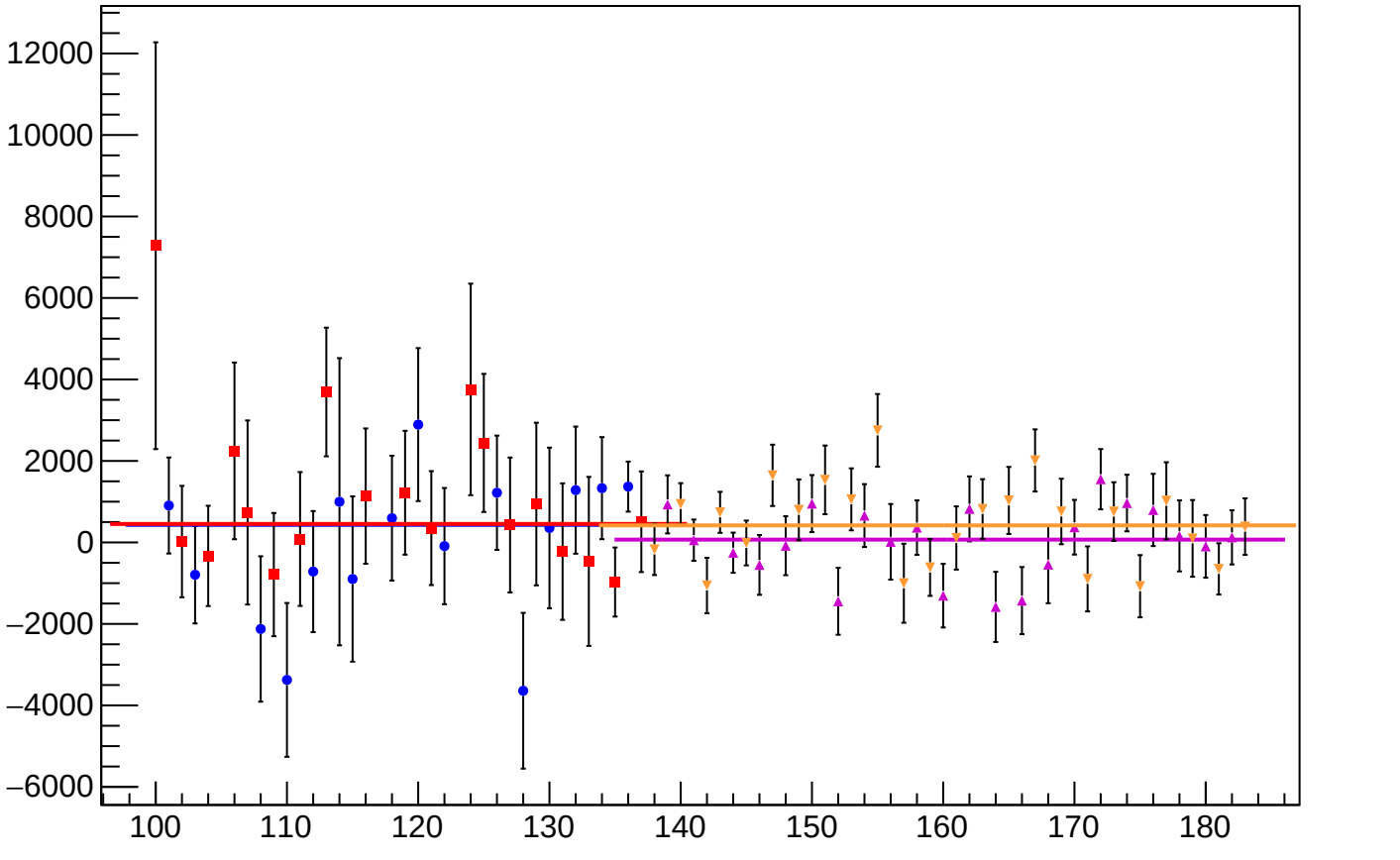
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.658+/-0.220 χ^2/NDF:3533.2/21

+ sign 1329.775+/-0.184 χ^2/NDF: 769952.7/39

All: 1329.928+/-0.131 χ^2/NDF: 926111.1/80

- sign 1330.085+/-0.187 χ^2/NDF: 156157.0/40



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 418.178+/-145.575 χ^2/NDF:39.9/23

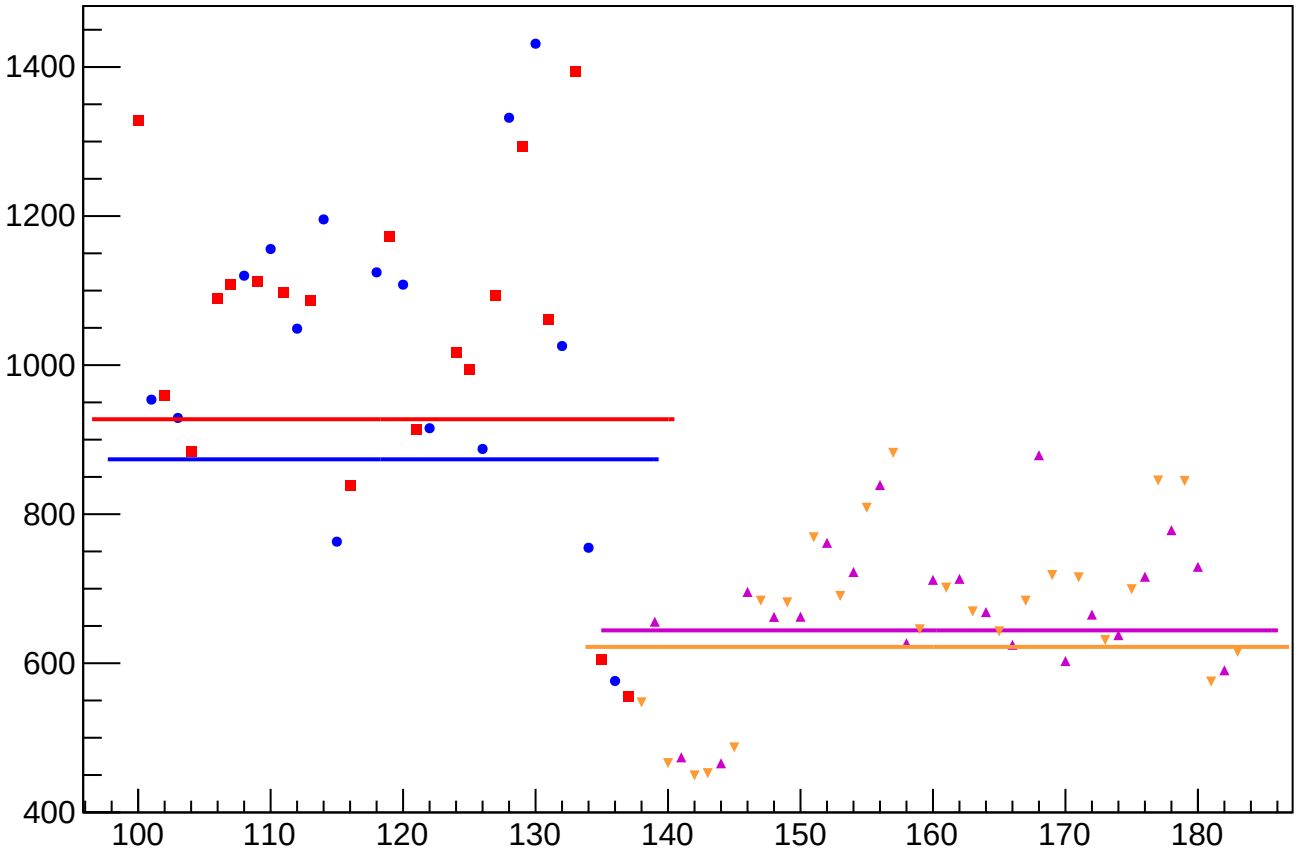
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 68.586+/-153.982 χ^2/NDF:26.5/21

+ sign 420.357+/-133.726 χ^2/NDF: 58.2/39

All: 282.836+/-97.127 χ^2/NDF: 102.6/80

- sign 129.291+/-141.303 χ^2/NDF: 42.1/40



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 621.917+/-0.103 χ^2/NDF:1383365.8/23

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

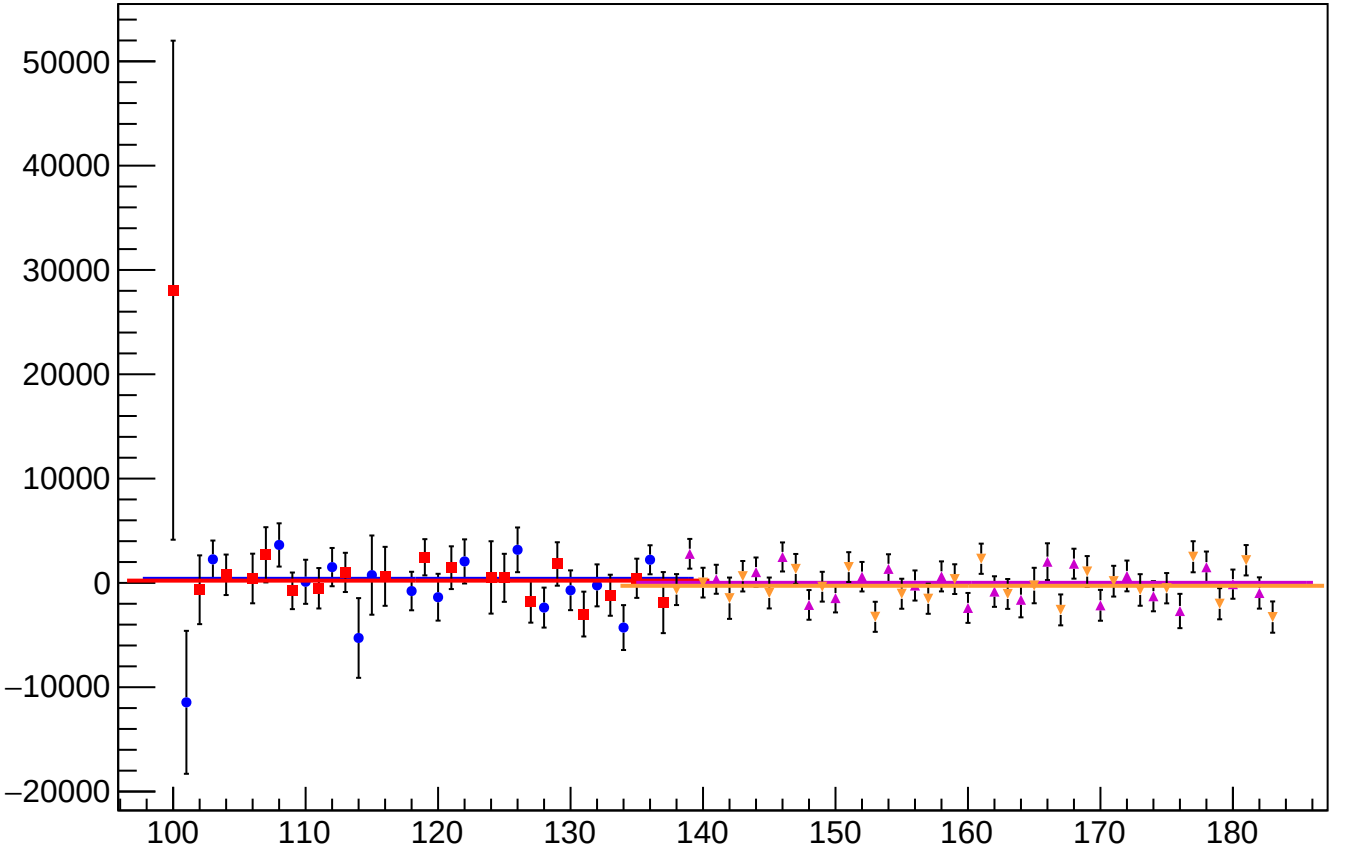
Left In: 644.083+/-0.109 χ^2/NDF:916027.1/21

+ sign 661.220+/-0.095 χ^2/NDF: 3331354.0/39

All: 674.260+/-0.069 χ^2/NDF: 6204168.0/80

- sign 688.819+/-0.100 χ^2/NDF: 2832564.9/40

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -277.954+/-302.407 χ^2/NDF:28.0/23

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

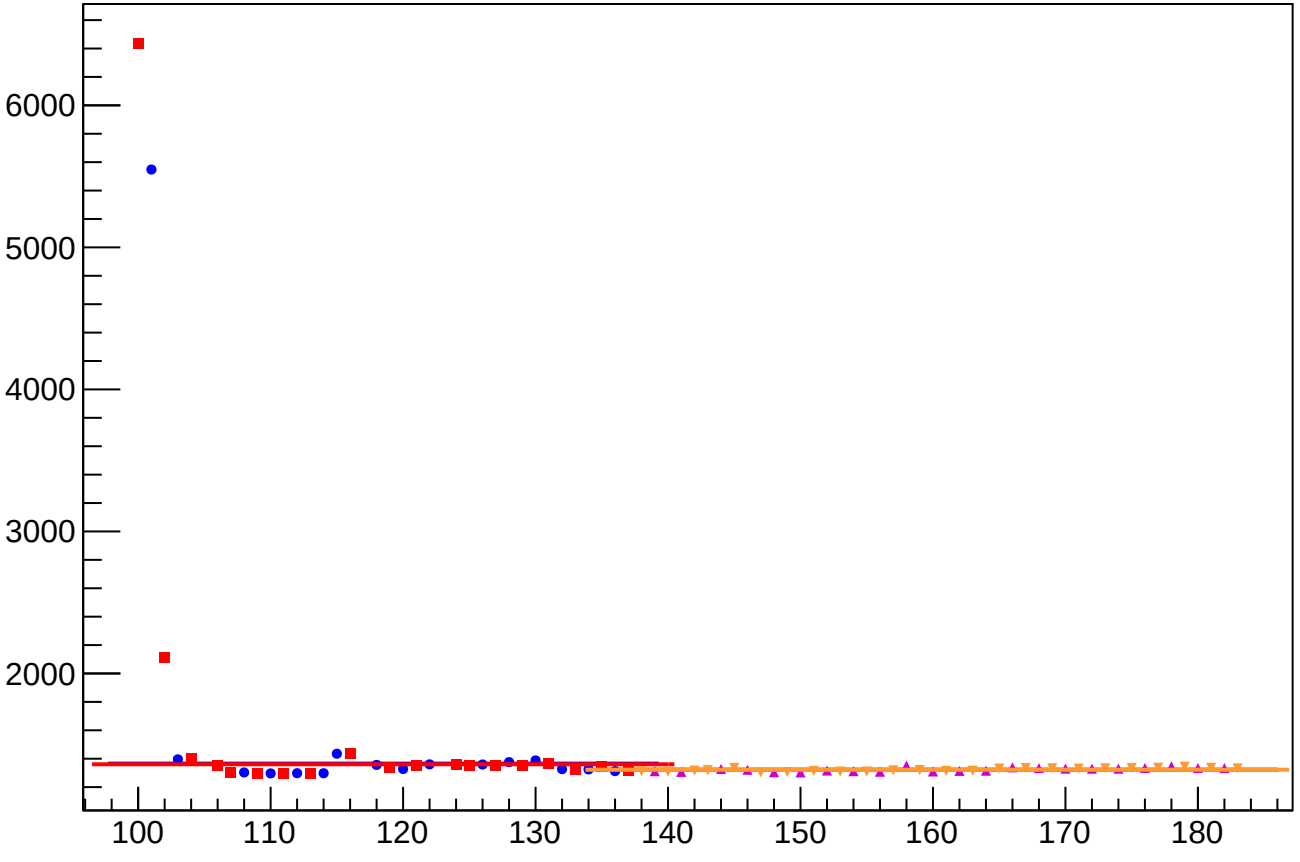
Left In: 4.673+/-311.491 χ^2/NDF:26.5/21

+ sign -109.717+/-261.562 χ^2/NDF: 50.6/39

All: -24.648+/-186.341 χ^2/NDF: 87.5/80

- sign 63.026+/-265.536 χ^2/NDF: 36.6/40

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1322.353+/-0.214 χ^2/NDF:2931.5/23

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

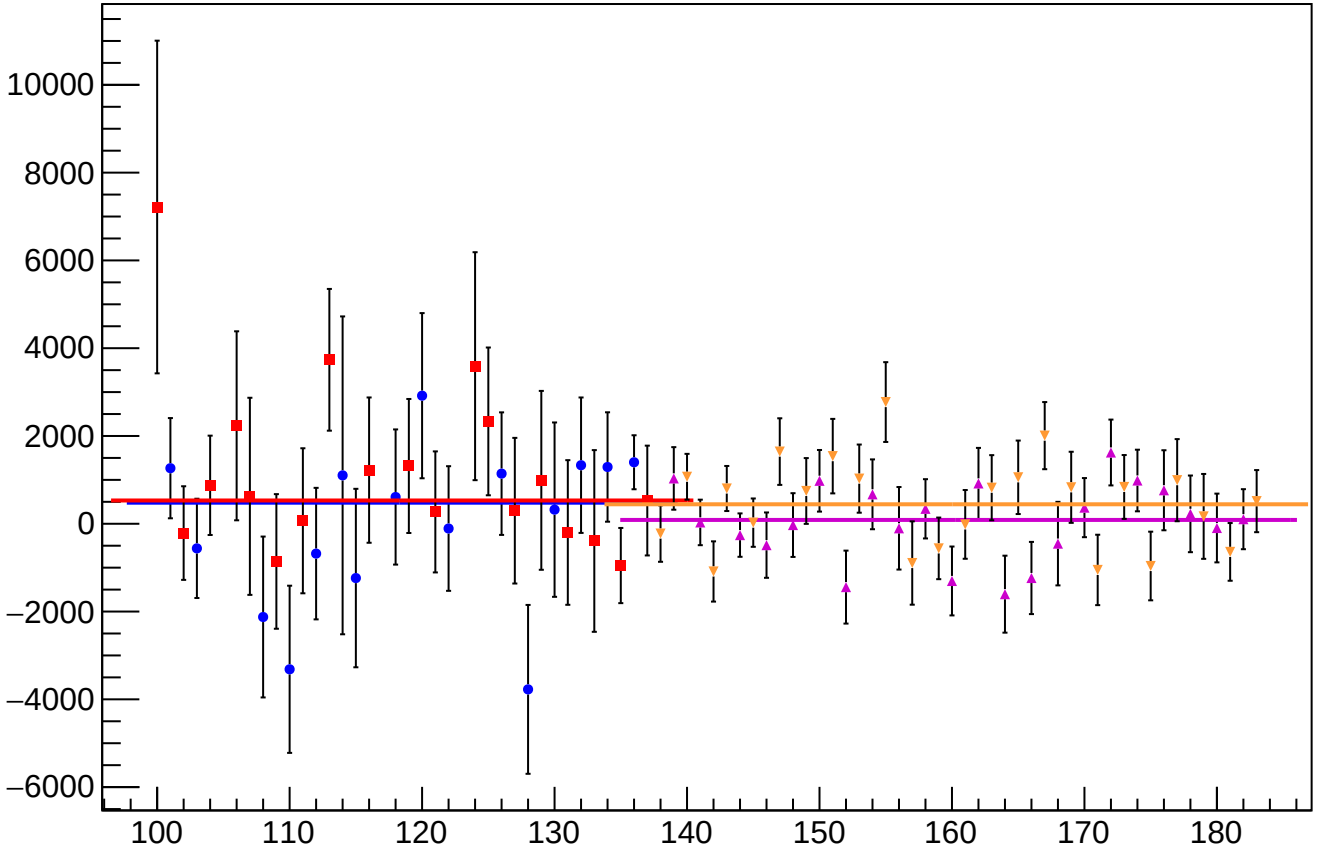
Left In: 1323.195+/-0.220 χ^2/NDF:3830.4/21

+ sign 1333.171+/-0.185 χ^2/NDF: 772037.7/39

All: 1333.316+/-0.132 χ^2/NDF: 989138.6/80

- sign 1333.465+/-0.188 χ^2/NDF: 217099.6/40

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 443.944+/-147.556 χ^2/NDF:39.8/23

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

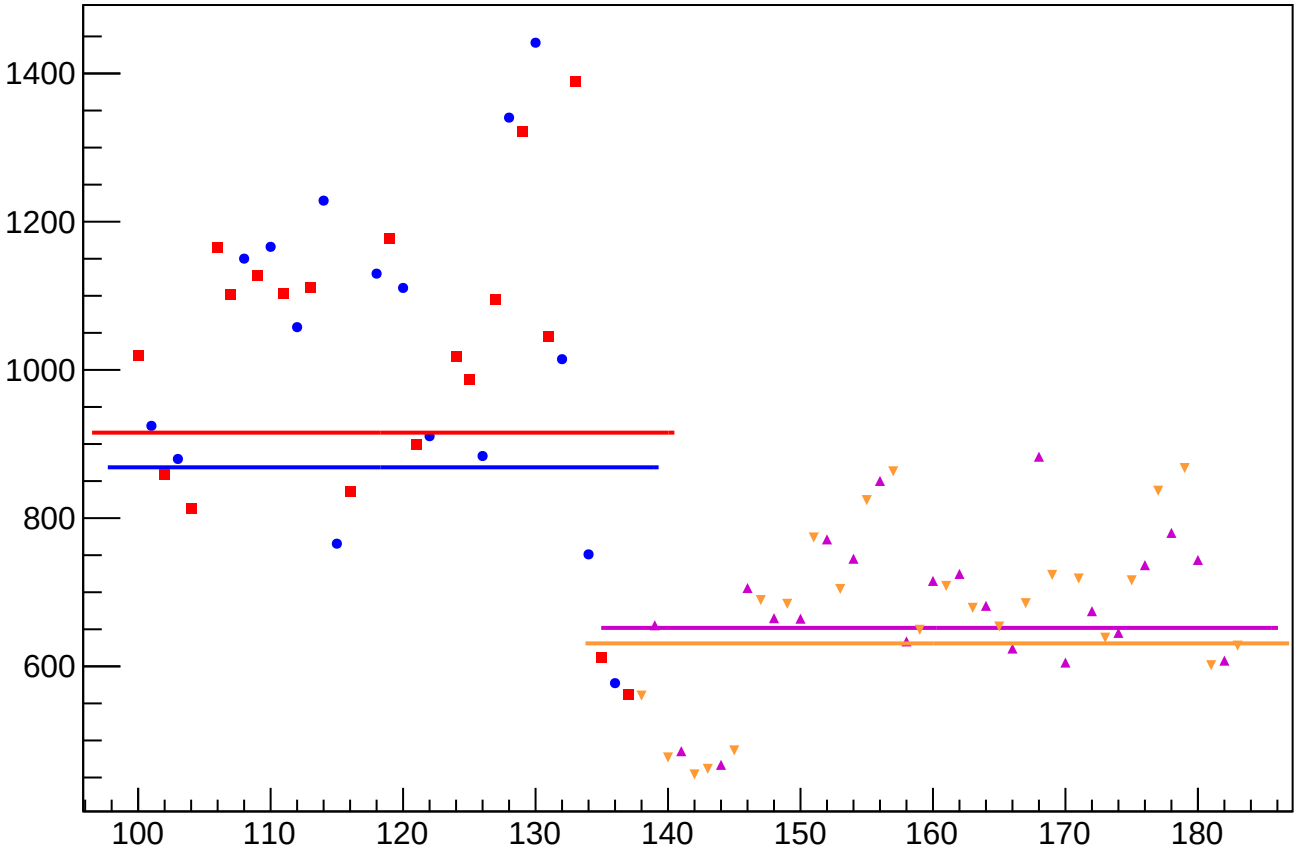
Left In: 87.287+/-155.811 χ^2/NDF:26.1/21

+ sign 449.823+/-135.136 χ^2/NDF: 58.4/39

All: 313.105+/-97.918 χ^2/NDF: 103.6/80

- sign 161.980+/-142.078 χ^2/NDF: 43.1/40

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 630.973+/-0.104 χ^2/NDF:1327709.8/23

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

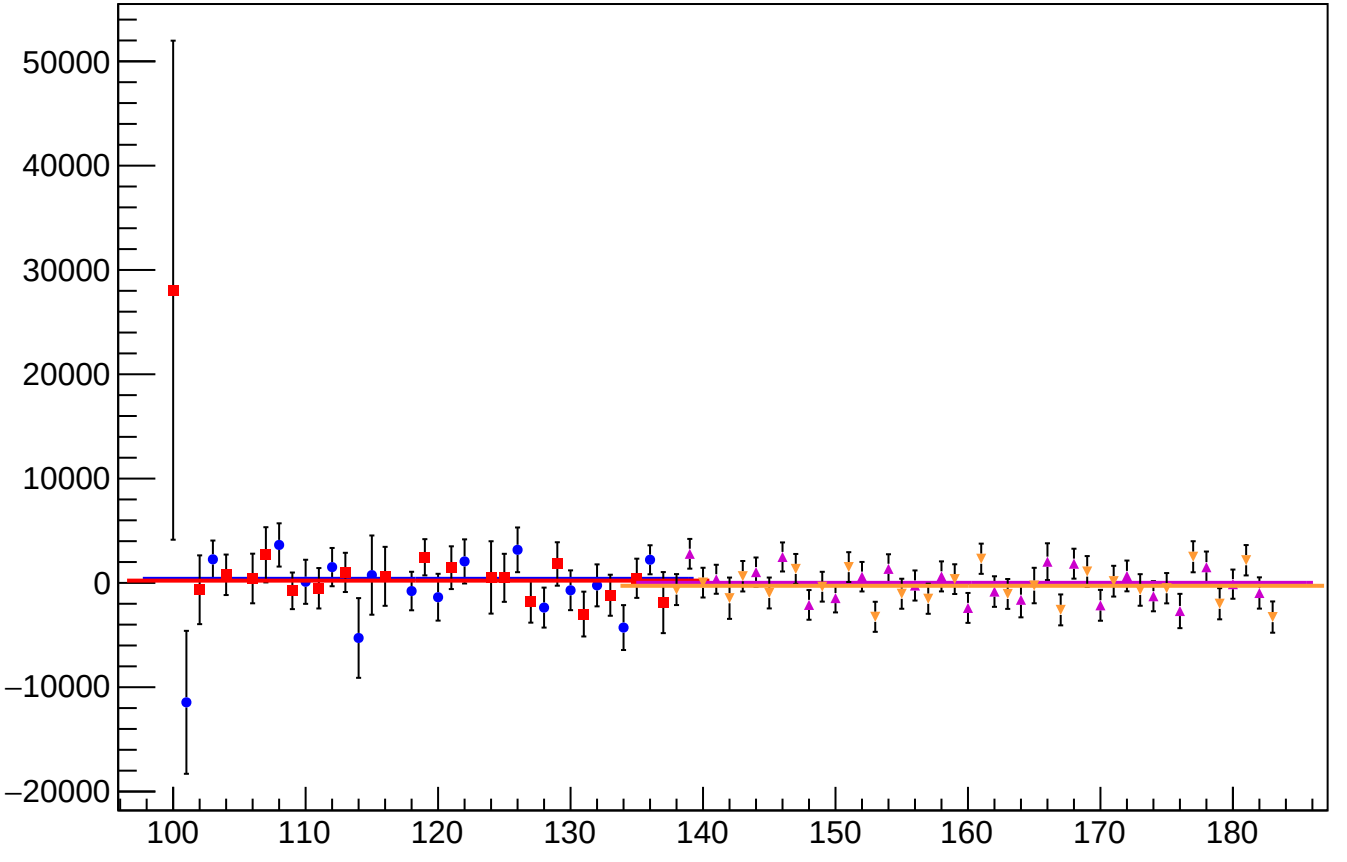
Left In: 651.885+/-0.110 χ^2/NDF:915747.9/21

+ sign 669.287+/-0.096 χ^2/NDF: 3185279.5/39

All: 682.110+/-0.069 χ^2/NDF: 5961563.6/80

- sign 696.284+/-0.100 χ^2/NDF: 2738371.8/40

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -277.955+/-302.407 χ^2/NDF:28.0/23

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

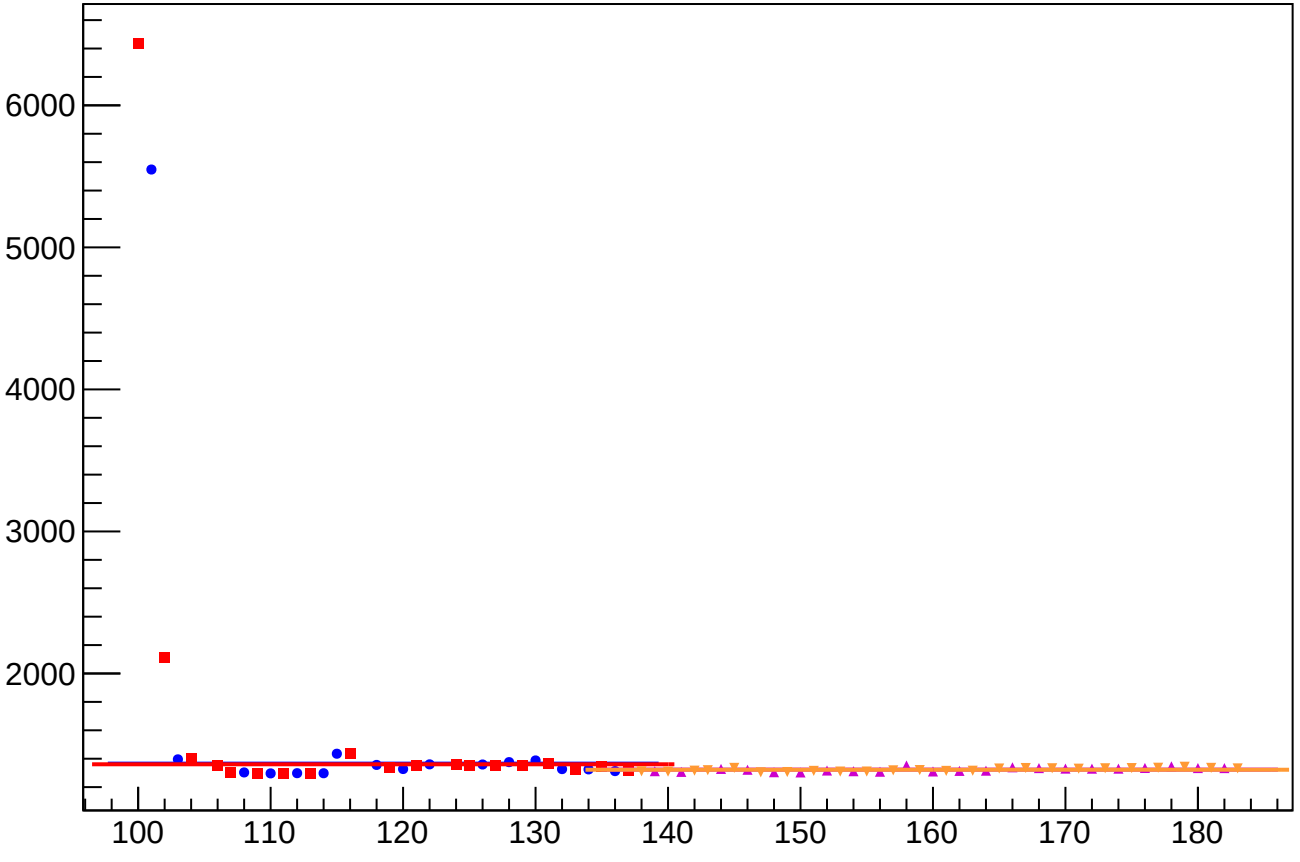
Left In: 4.673+/-311.491 χ^2/NDF:26.5/21

+ sign -109.718+/-261.562 χ^2/NDF: 50.6/39

All: -24.648+/-186.341 χ^2/NDF: 87.5/80

- sign 63.026+/-265.536 χ^2/NDF: 36.6/40

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1322.353+/-0.214 χ^2/NDF:2931.4/23

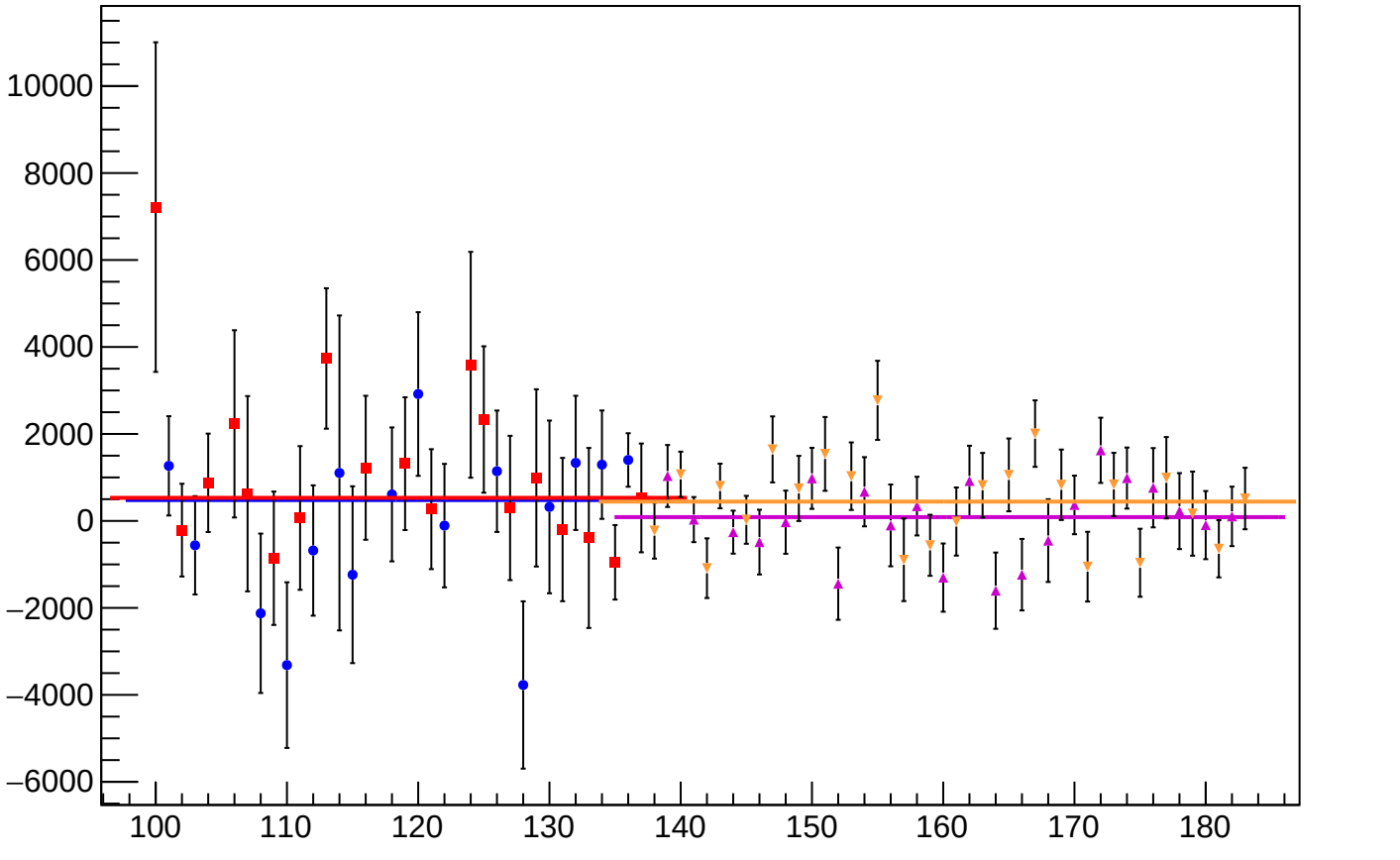
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1323.195+/-0.220 χ^2/NDF:3830.4/21

+ sign 1333.171+/-0.185 χ^2/NDF: 772037.7/39

All: 1333.316+/-0.132 χ^2/NDF: 989138.5/80

- sign 1333.465+/-0.188 χ^2/NDF: 217099.5/40



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 443.945+/-147.556 χ^2/NDF:39.8/23

Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

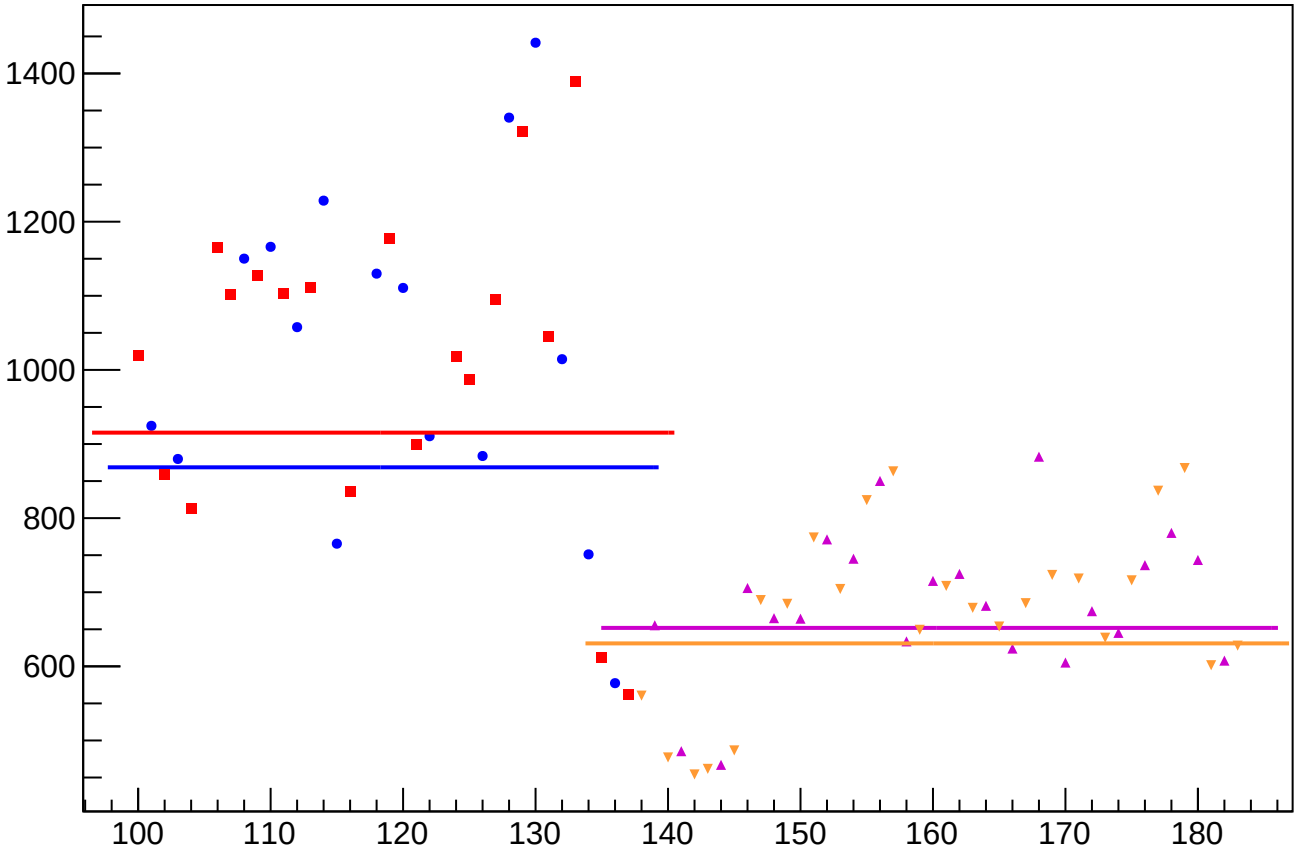
Left In: 87.287+/-155.812 χ^2/NDF:26.1/21

+ sign 449.823+/-135.136 χ^2/NDF: 58.4/39

All: 313.105+/-97.918 χ^2/NDF: 103.6/80

- sign 161.980+/-142.078 χ^2/NDF: 43.1/40

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 630.973+/-0.104 χ^2/NDF:1327729.4/23

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

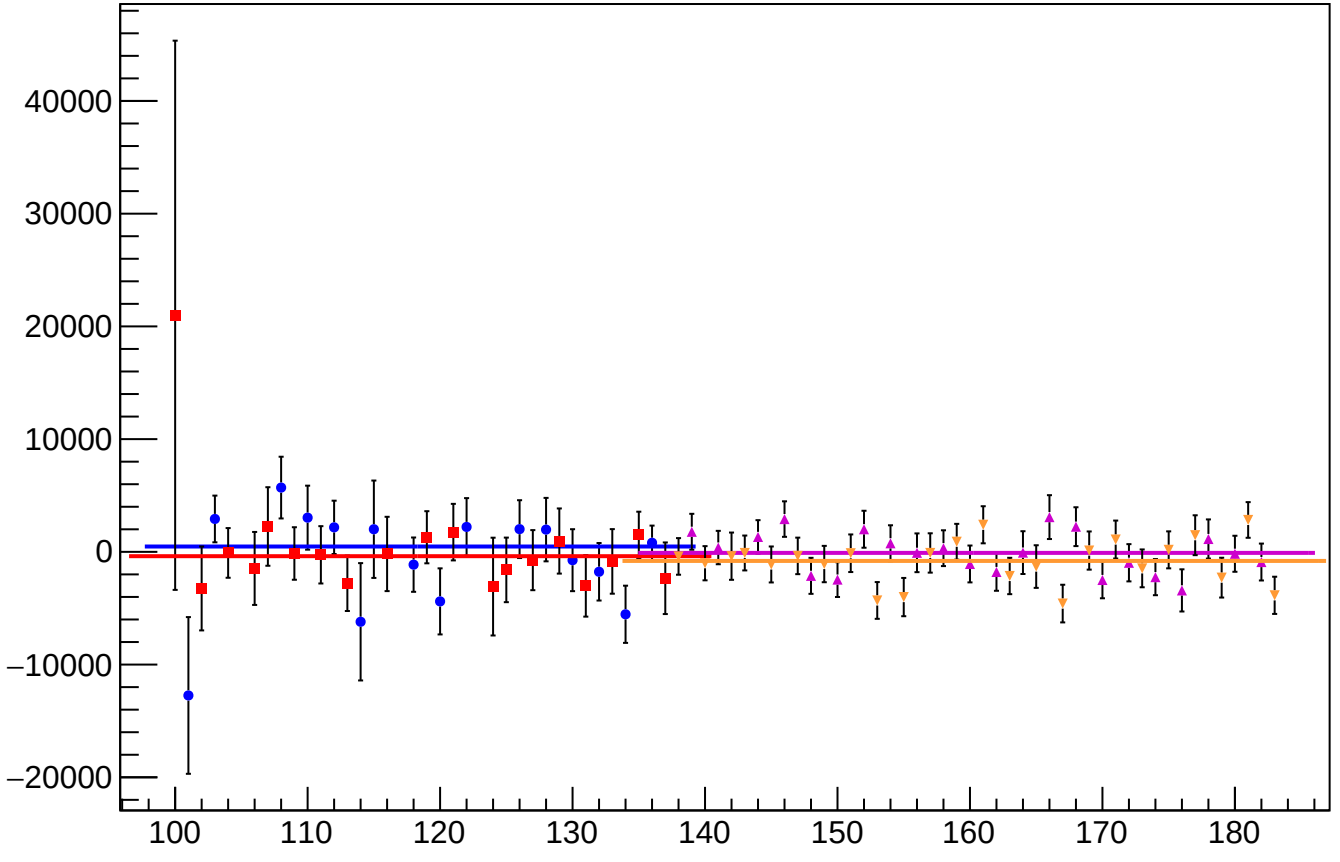
Left In: 651.886+/-0.110 χ^2/NDF:915757.4/21

+ sign 669.288+/-0.096 χ^2/NDF: 3185280.8/39

All: 682.111+/-0.069 χ^2/NDF: 5961557.2/80

- sign 696.285+/-0.100 χ^2/NDF: 2738362.7/40

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -805.483+/-339.931 χ^2/NDF:33.0/23

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

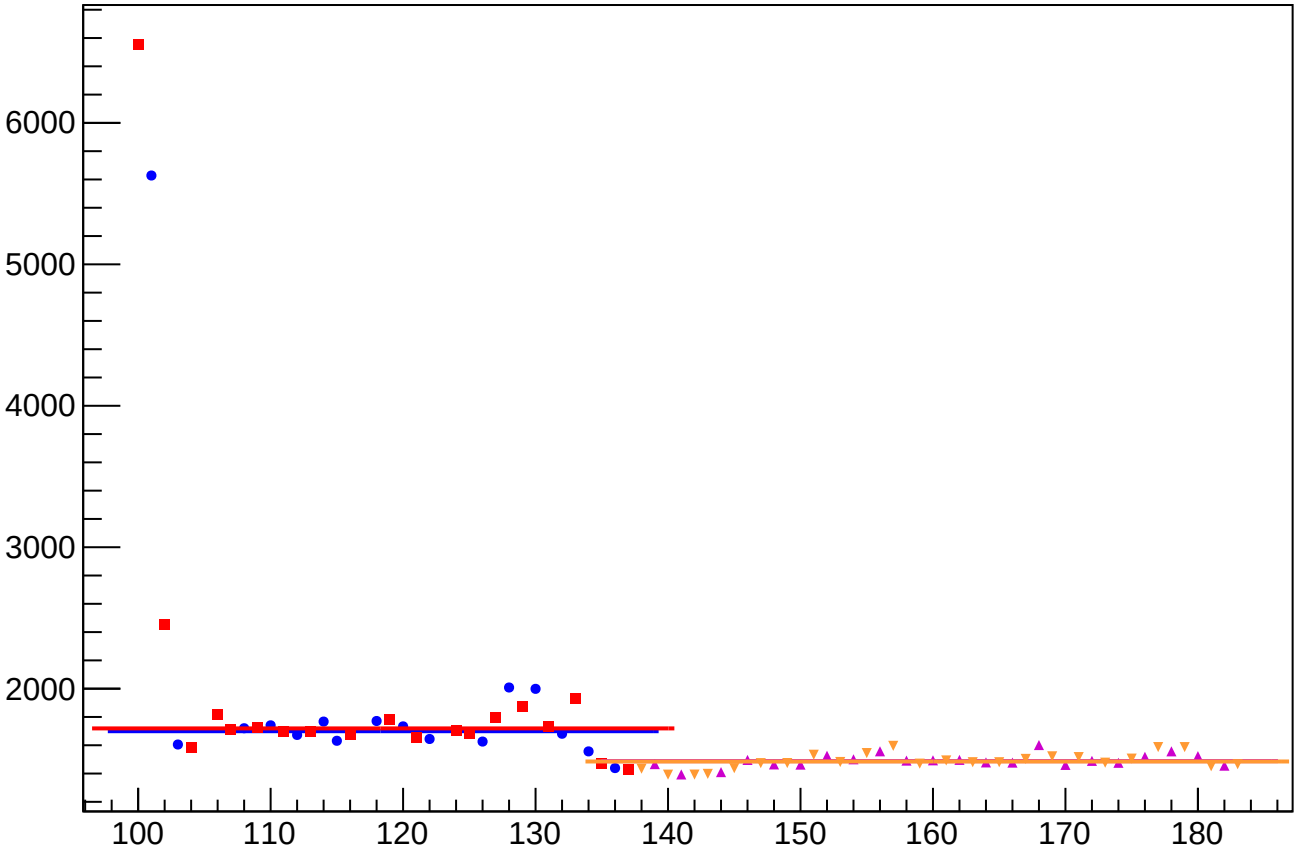
Left In: -91.364+/-350.432 χ^2/NDF:26.0/21

+ sign -530.305+/-301.150 χ^2/NDF: 58.7/39

All: -348.445+/-215.186 χ^2/NDF: 92.9/80

- sign -158.721+/-307.592 χ^2/NDF: 33.5/40

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1485.255+/-0.240 χ^2/NDF:50795.7/23

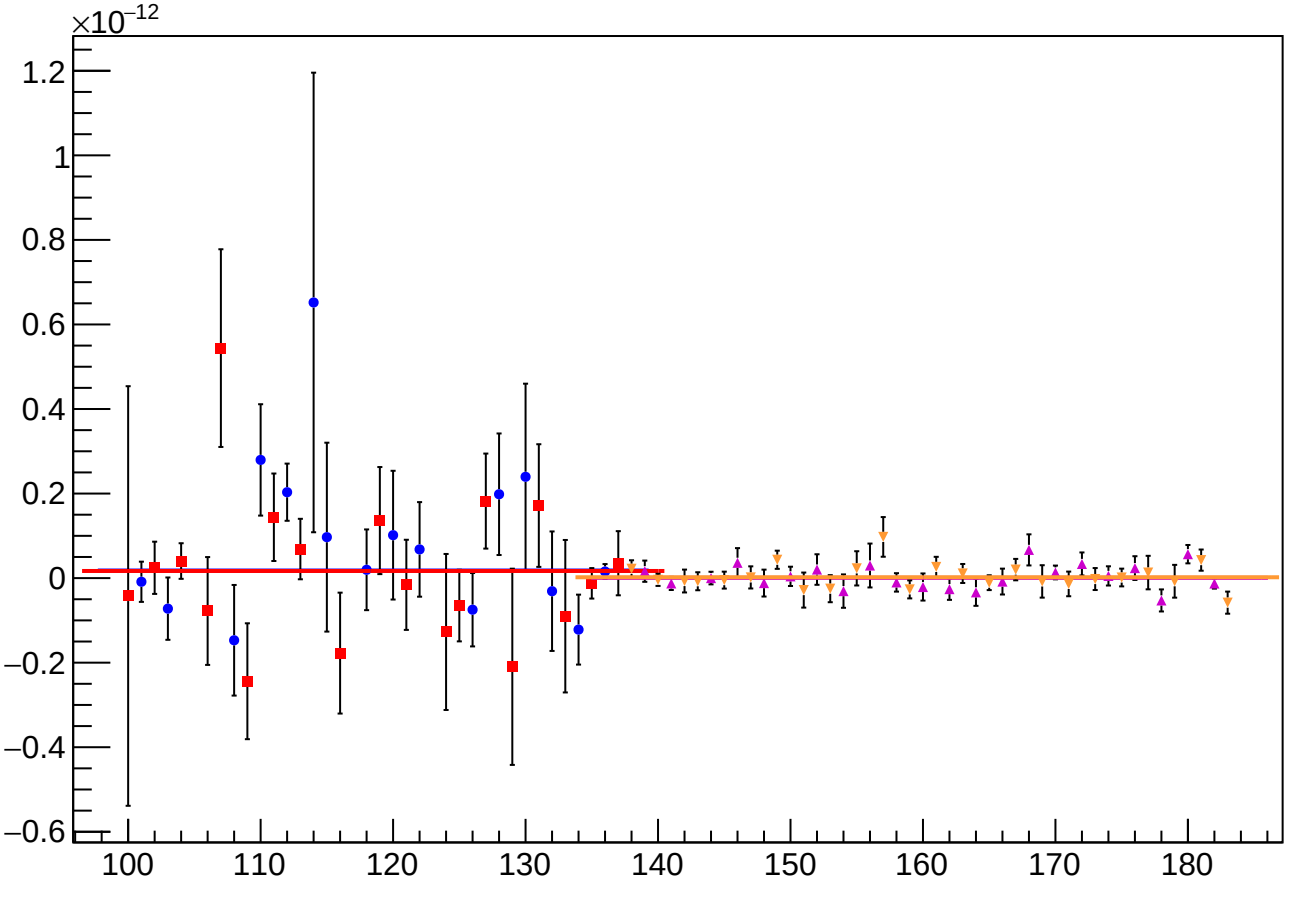
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1487.801+/-0.248 χ^2/NDF:34367.0/21

+ sign 1531.314+/-0.213 χ^2/NDF: 983552.2/39

All: 1536.005+/-0.152 χ^2/NDF: 1452680.1/80

- sign 1540.897+/-0.217 χ^2/NDF: 468136.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/23

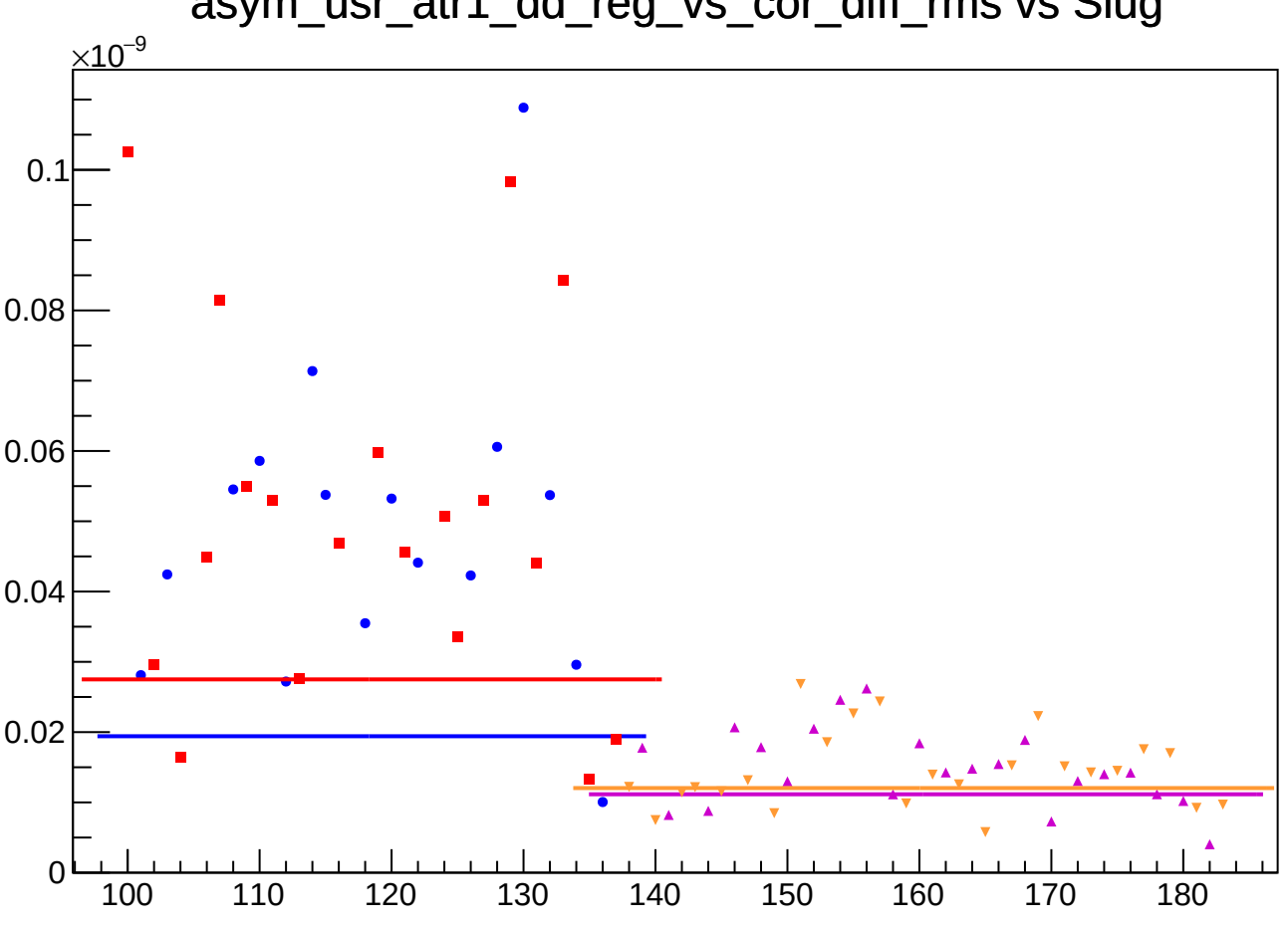
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/39

All: 0.000+/-0.000 χ^2/NDF: 94.9/80

- sign 0.000+/-0.000 χ^2/NDF: 46.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1519399.9/23

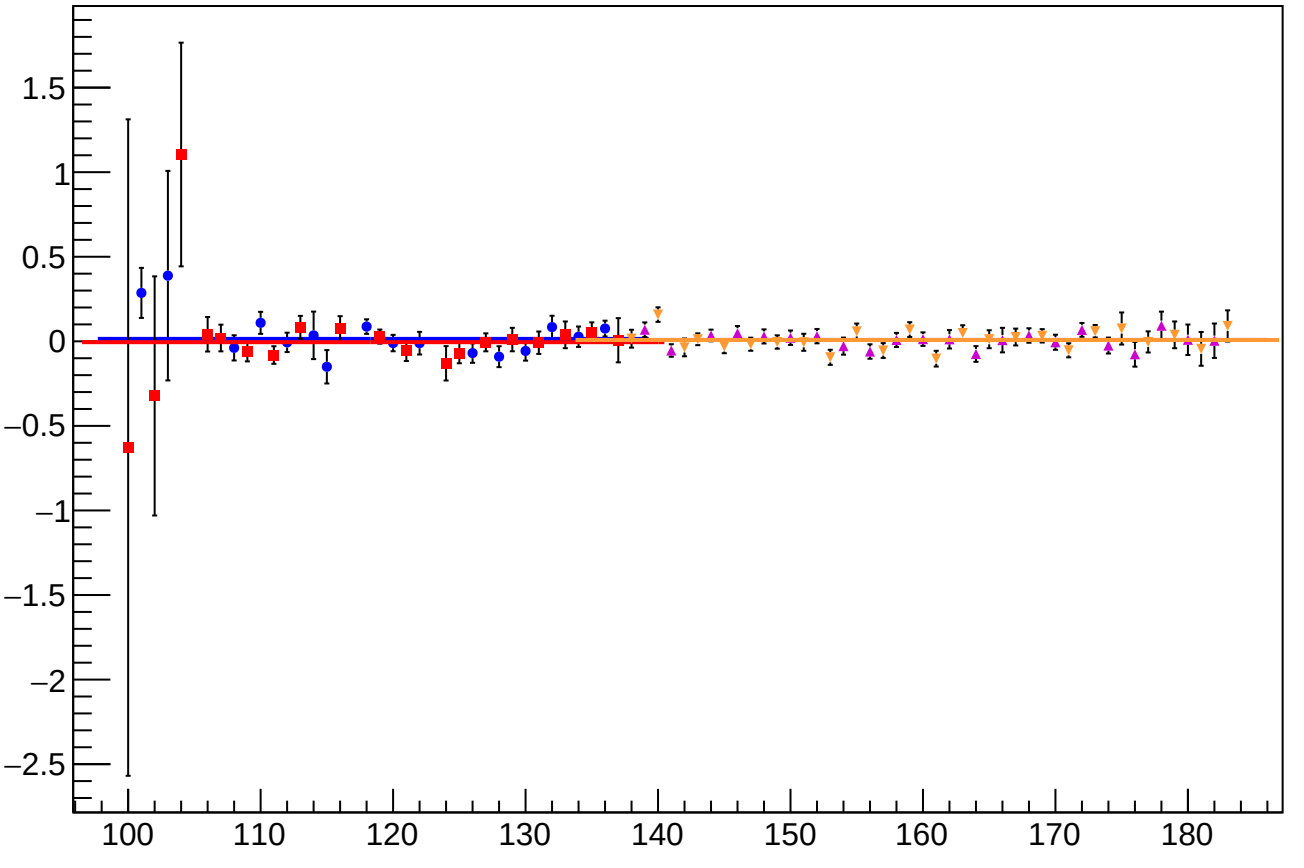
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2204651.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 4264007.4/39

All: 0.000+/-0.000 χ^2/NDF: 9513135.9/80

- sign 0.000+/-0.000 χ^2/NDF: 5228891.0/40



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.008+/-0.010 χ^2/NDF:37.7/23

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

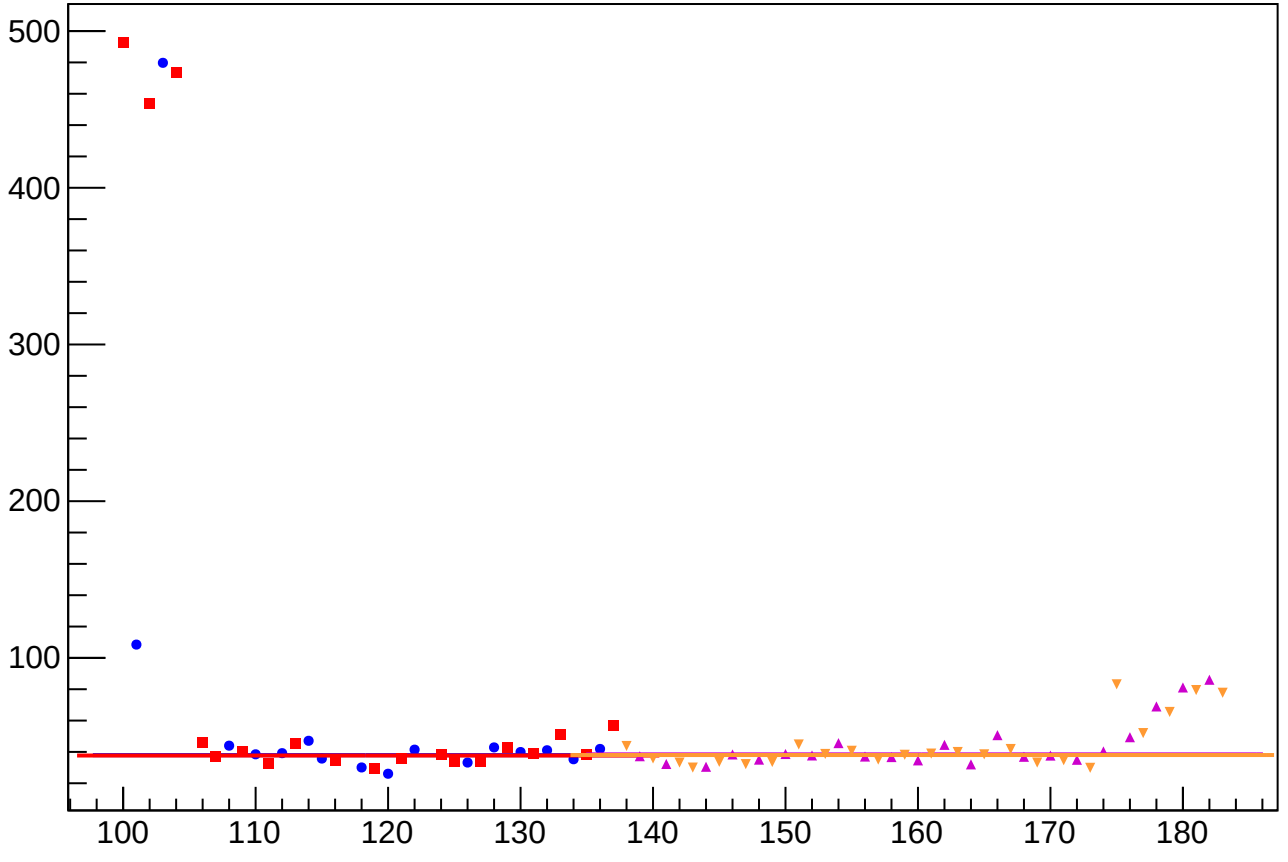
Left In: 0.008+/-0.010 χ^2/NDF:18.7/21

+ sign 0.010+/-0.008 χ^2/NDF: 59.9/39

All: 0.007+/-0.006 χ^2/NDF: 94.1/80

- sign 0.005+/-0.008 χ^2/NDF: 34.0/40

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.008+/-0.007 χ^2/NDF:1960690.9/23

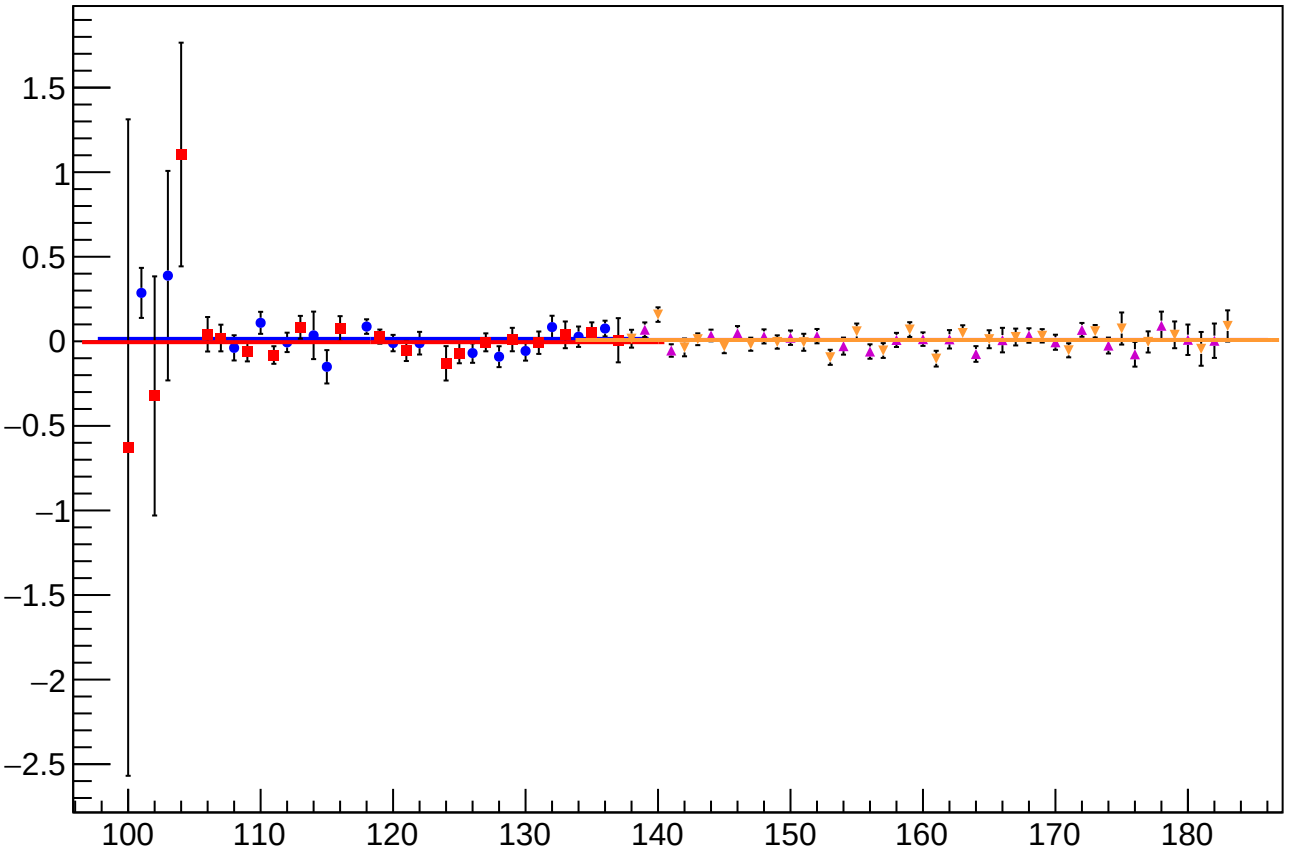
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 38.445+/-0.007 χ^2/NDF:1584139.0/21

+ sign 37.990+/-0.006 χ^2/NDF: 3700385.2/39

All: 38.111+/-0.004 χ^2/NDF: 7233437.9/80

- sign 38.238+/-0.006 χ^2/NDF: 3532175.3/40



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.008+/-0.010 χ^2/NDF:37.7/23

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

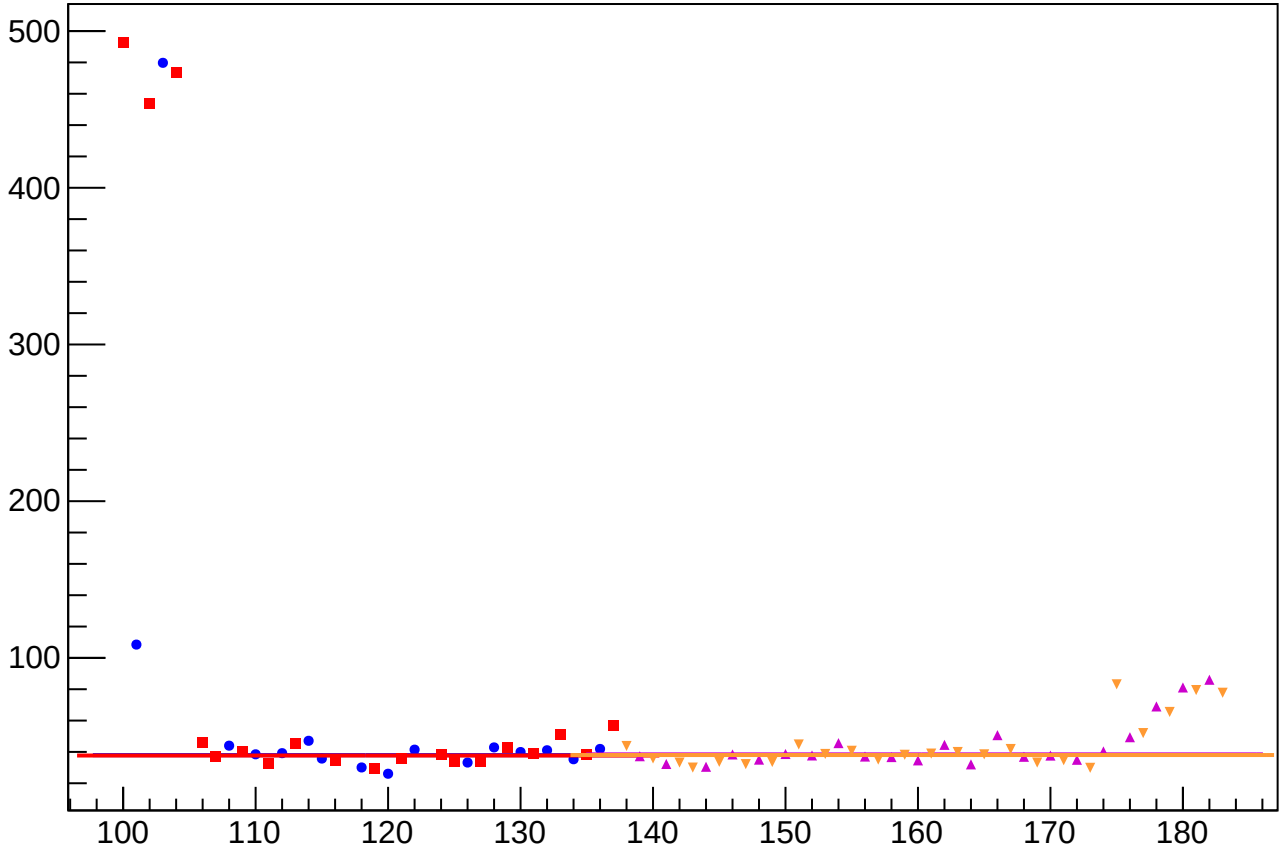
Left In: 0.008+/-0.010 χ^2/NDF:18.7/21

+ sign 0.010+/-0.008 χ^2/NDF: 59.9/39

All: 0.007+/-0.006 χ^2/NDF: 94.1/80

- sign 0.005+/-0.008 χ^2/NDF: 34.0/40

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.008+/-0.007 χ^2/NDF:1960690.9/23

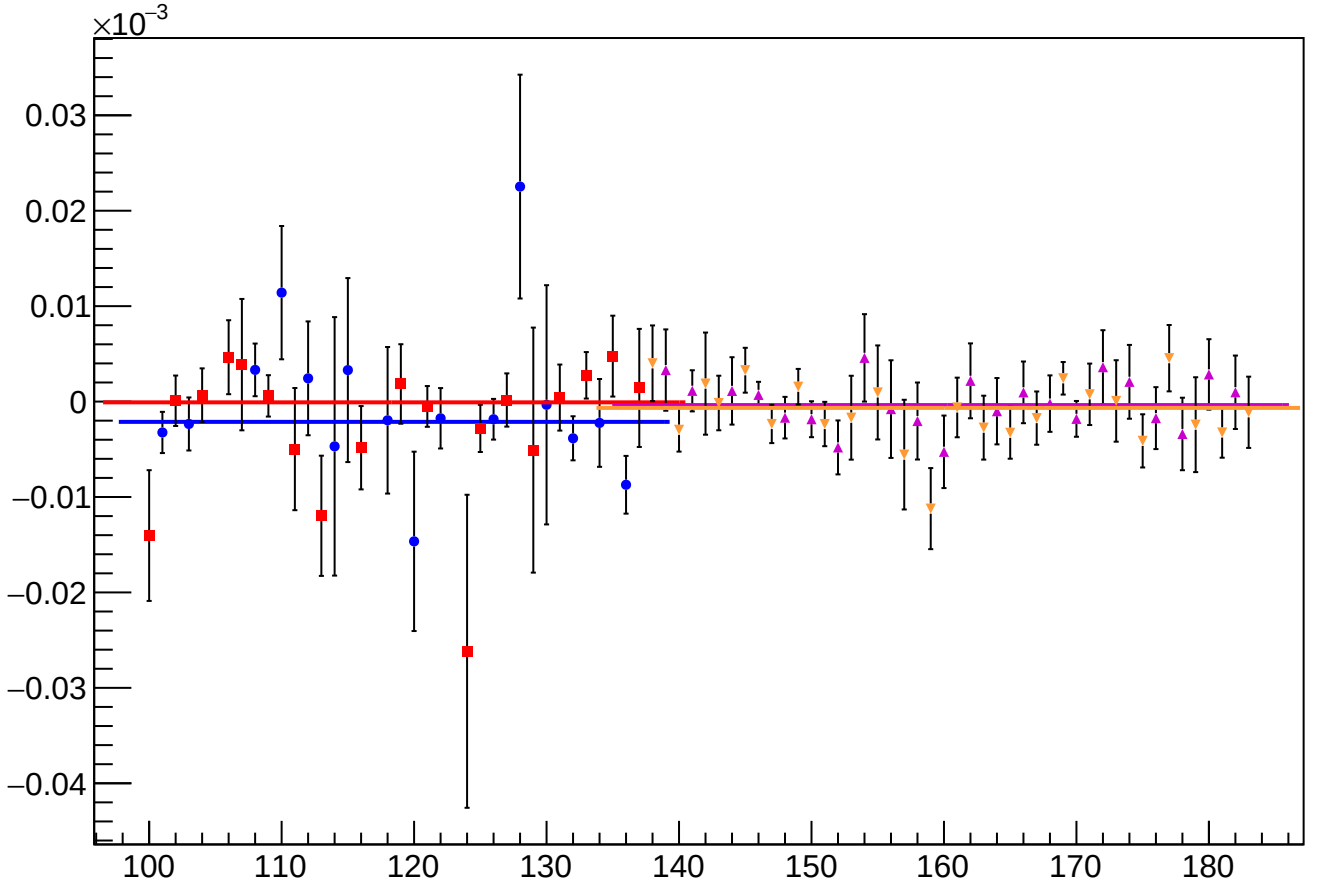
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 38.445+/-0.007 χ^2/NDF:1584139.0/21

+ sign 37.990+/-0.006 χ^2/NDF: 3700385.2/39

All: 38.111+/-0.004 χ^2/NDF: 7233437.9/80

- sign 38.238+/-0.006 χ^2/NDF: 3532175.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/23

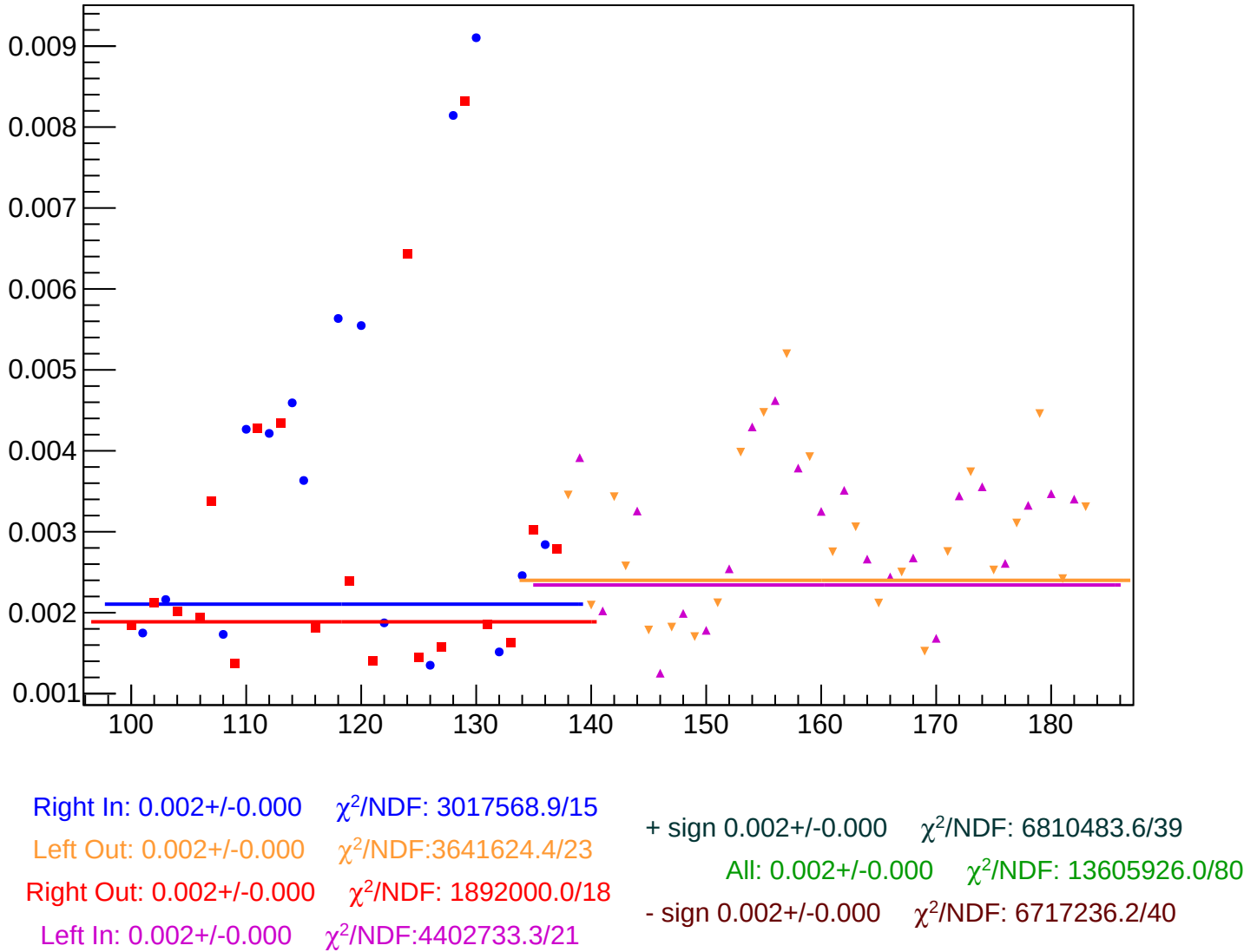
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

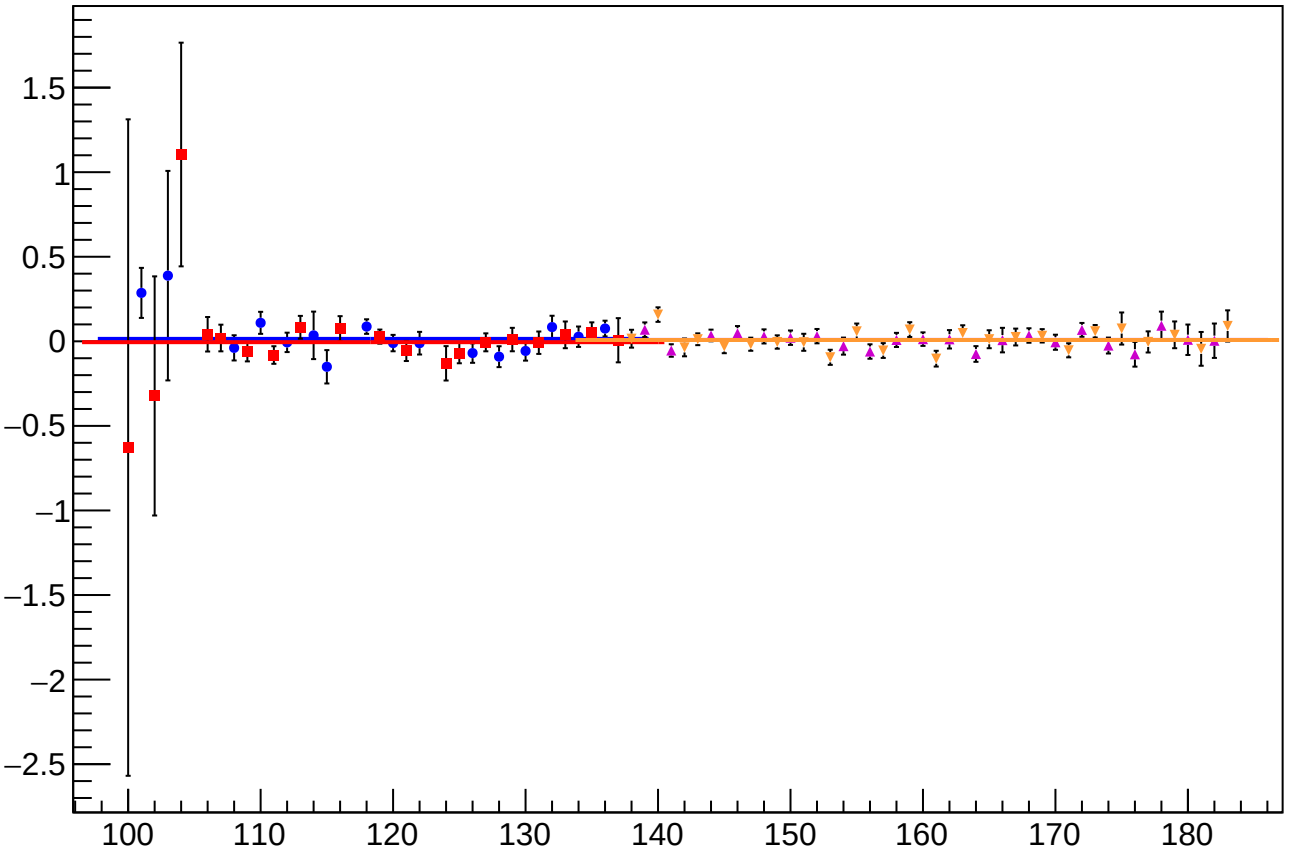
Left In: -0.000+/-0.000 χ^2/NDF:12.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/39

All: -0.000+/-0.000 χ^2/NDF: 80.1/80

- sign -0.000+/-0.000 χ^2/NDF: 31.3/40


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:3641624.4/23
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:4402733.3/21
+ sign 0.002+/-0.000 χ²/NDF: 6810483.6/39
All: 0.002+/-0.000 χ²/NDF: 13605926.0/80
- sign 0.002+/-0.000 χ²/NDF: 6717236.2/40



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.008+/-0.010 χ^2/NDF:37.7/23

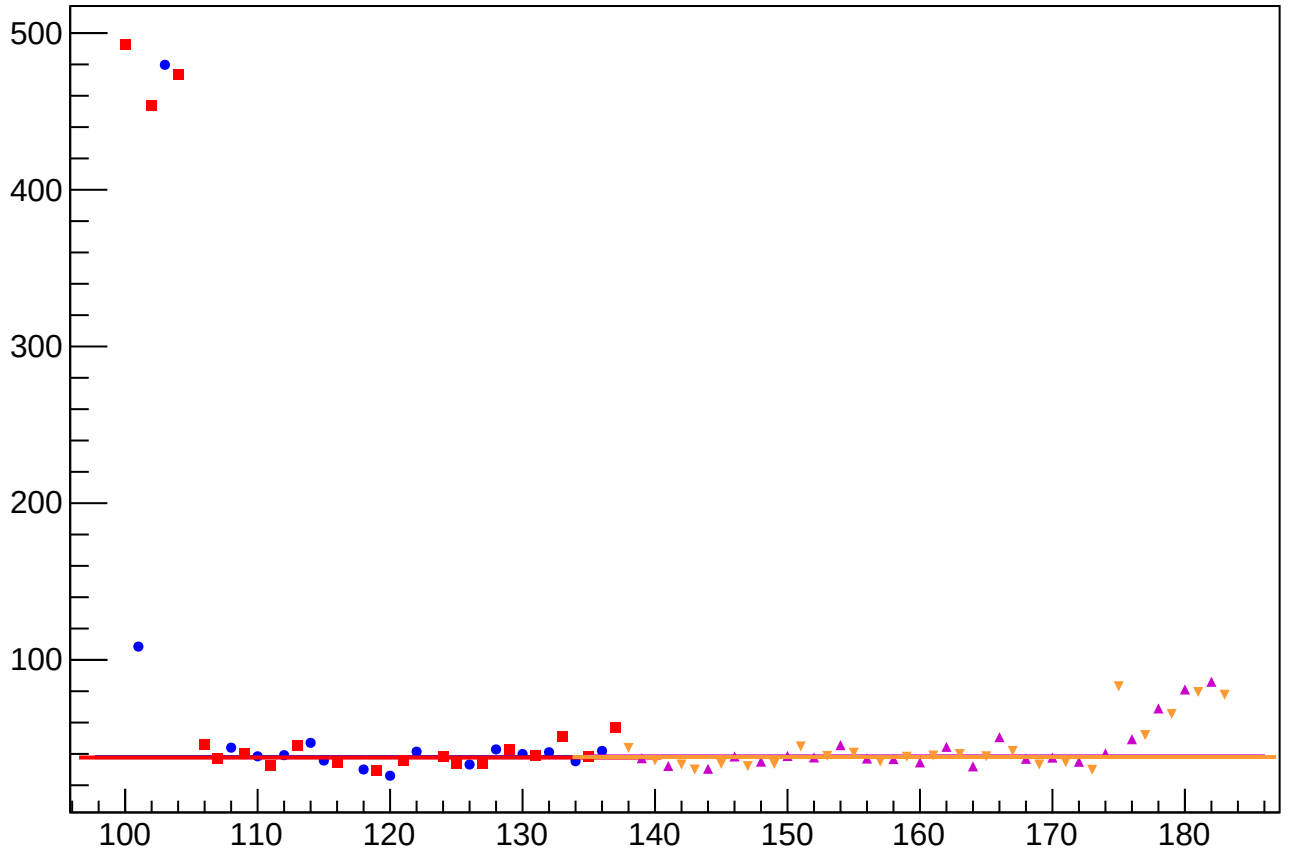
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.7/21

+ sign 0.010+/-0.008 χ^2/NDF: 59.9/39

All: 0.007+/-0.006 χ^2/NDF: 94.1/80

- sign 0.005+/-0.008 χ^2/NDF: 34.0/40



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.008+/-0.007 χ^2/NDF:1960692.4/23

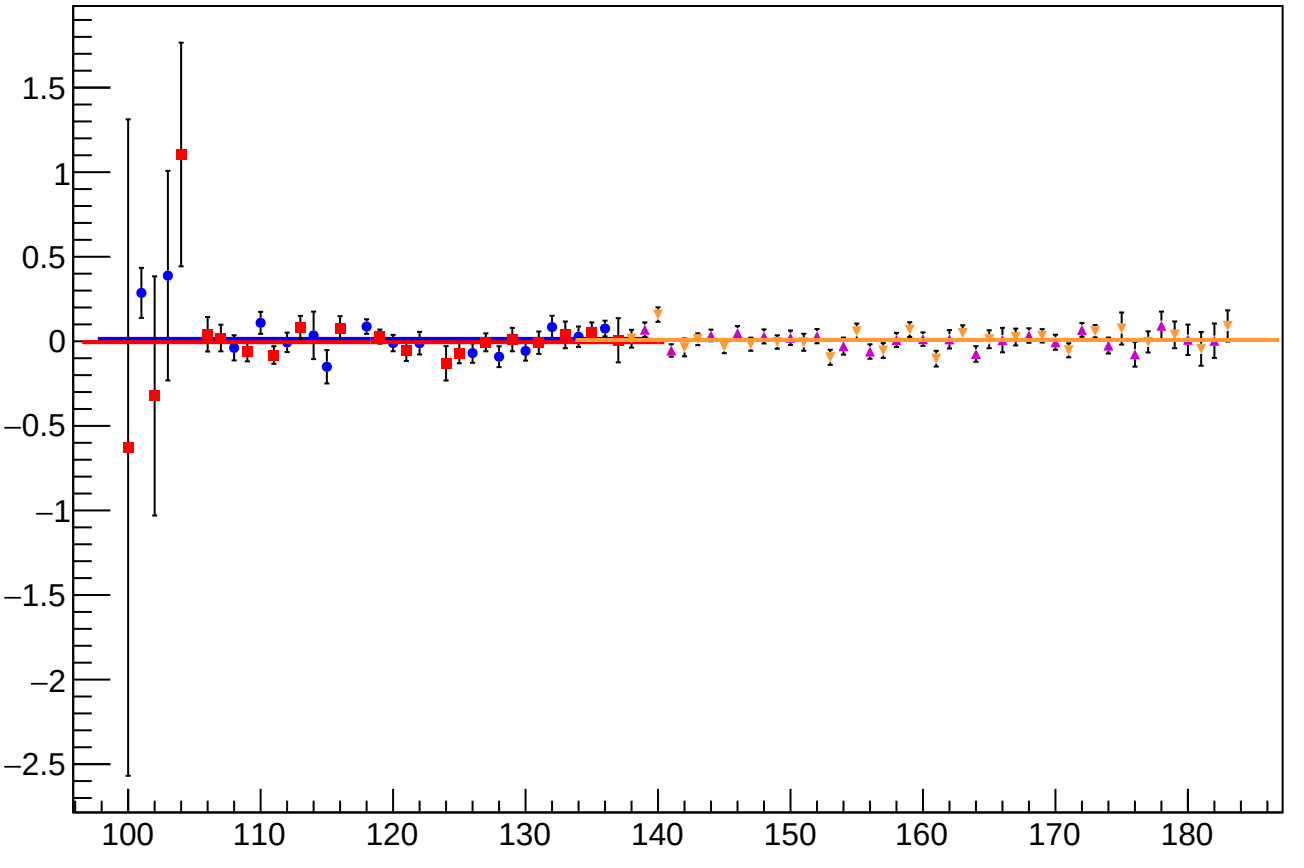
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 38.445+/-0.007 χ^2/NDF:1584170.4/21

+ sign 37.990+/-0.006 χ^2/NDF: 3700398.7/39

All: 38.110+/-0.004 χ^2/NDF: 7233565.5/80

- sign 38.237+/-0.006 χ^2/NDF: 3532291.8/40



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.008+/-0.010 χ^2/NDF:37.7/23

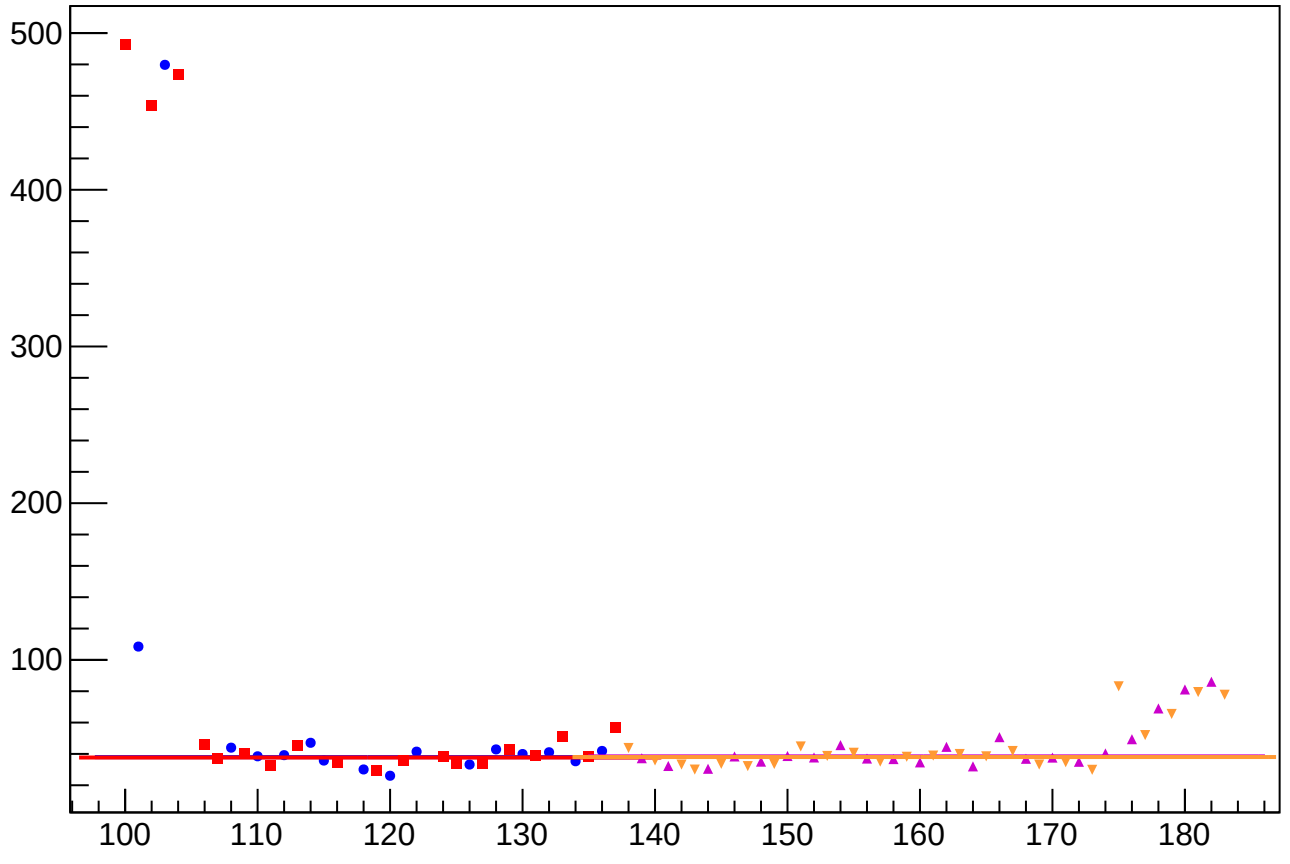
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.7/21

+ sign 0.010+/-0.008 χ^2/NDF: 59.9/39

All: 0.007+/-0.006 χ^2/NDF: 94.1/80

- sign 0.005+/-0.008 χ^2/NDF: 34.0/40



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.008+/-0.007 χ^2/NDF:1960692.4/23

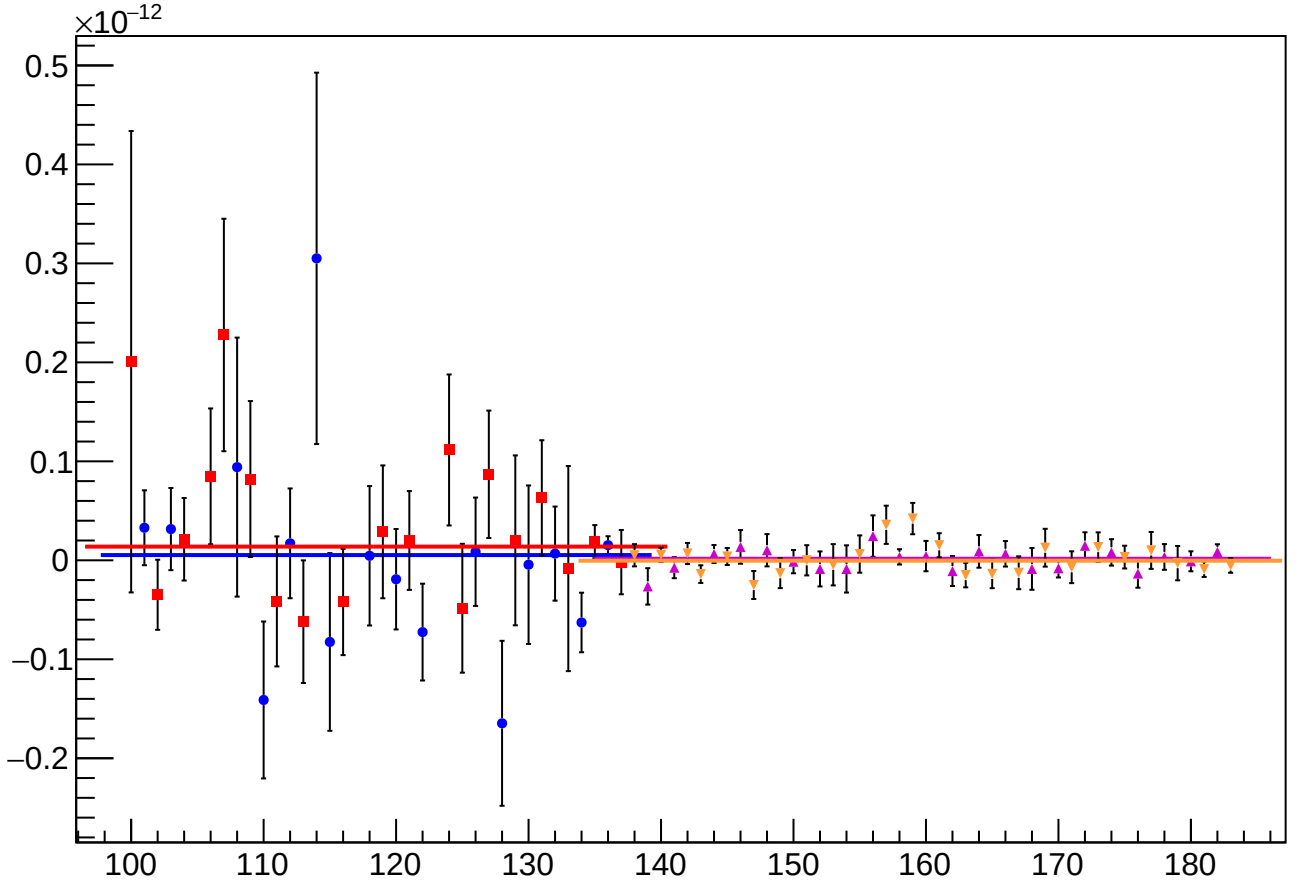
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 38.445+/-0.007 χ^2/NDF:1584170.4/21

+ sign 37.990+/-0.006 χ^2/NDF: 3700398.7/39

All: 38.110+/-0.004 χ^2/NDF: 7233565.5/80

- sign 38.237+/-0.006 χ^2/NDF: 3532291.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/23

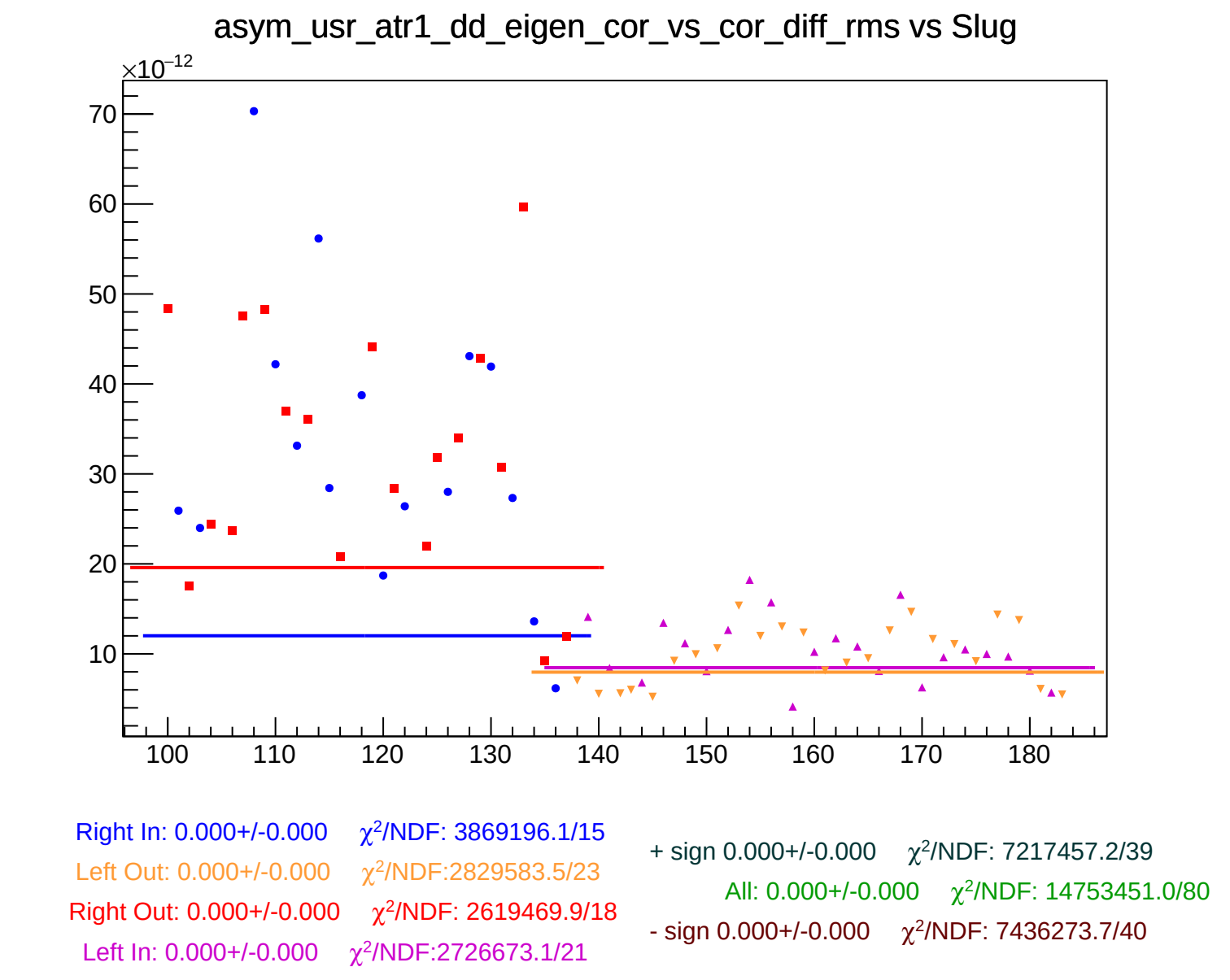
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/21

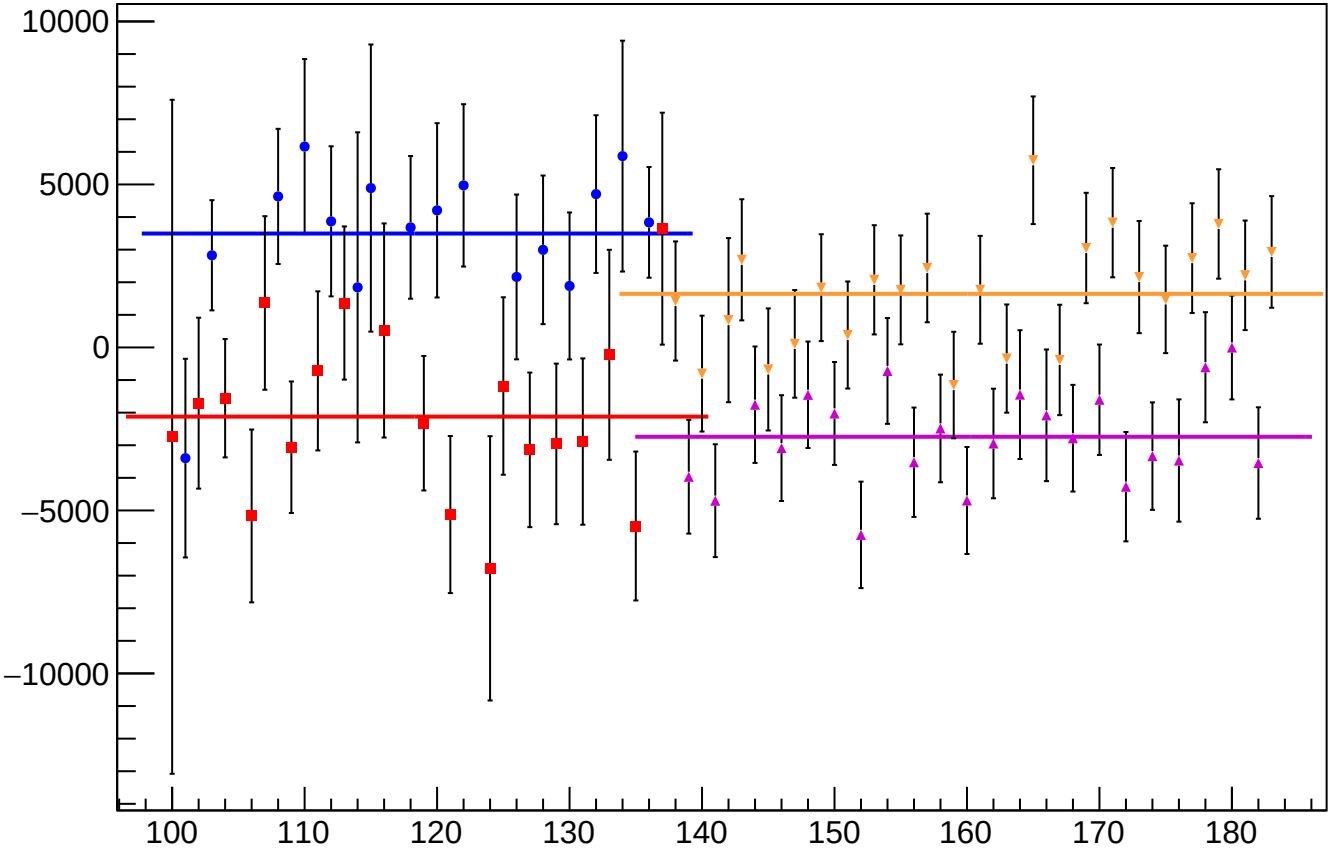
+ sign 0.000+/-0.000 χ^2/NDF: 48.7/39

All: 0.000+/-0.000 χ^2/NDF: 77.8/80

- sign 0.000+/-0.000 χ^2/NDF: 28.7/40


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2829583.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2726673.1/21
+ sign 0.000+/-0.000 χ²/NDF: 7217457.2/39
All: 0.000+/-0.000 χ²/NDF: 14753451.0/80
- sign 0.000+/-0.000 χ²/NDF: 7436273.7/40

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1644.406+/-352.243 χ^2/NDF:21.0/23

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

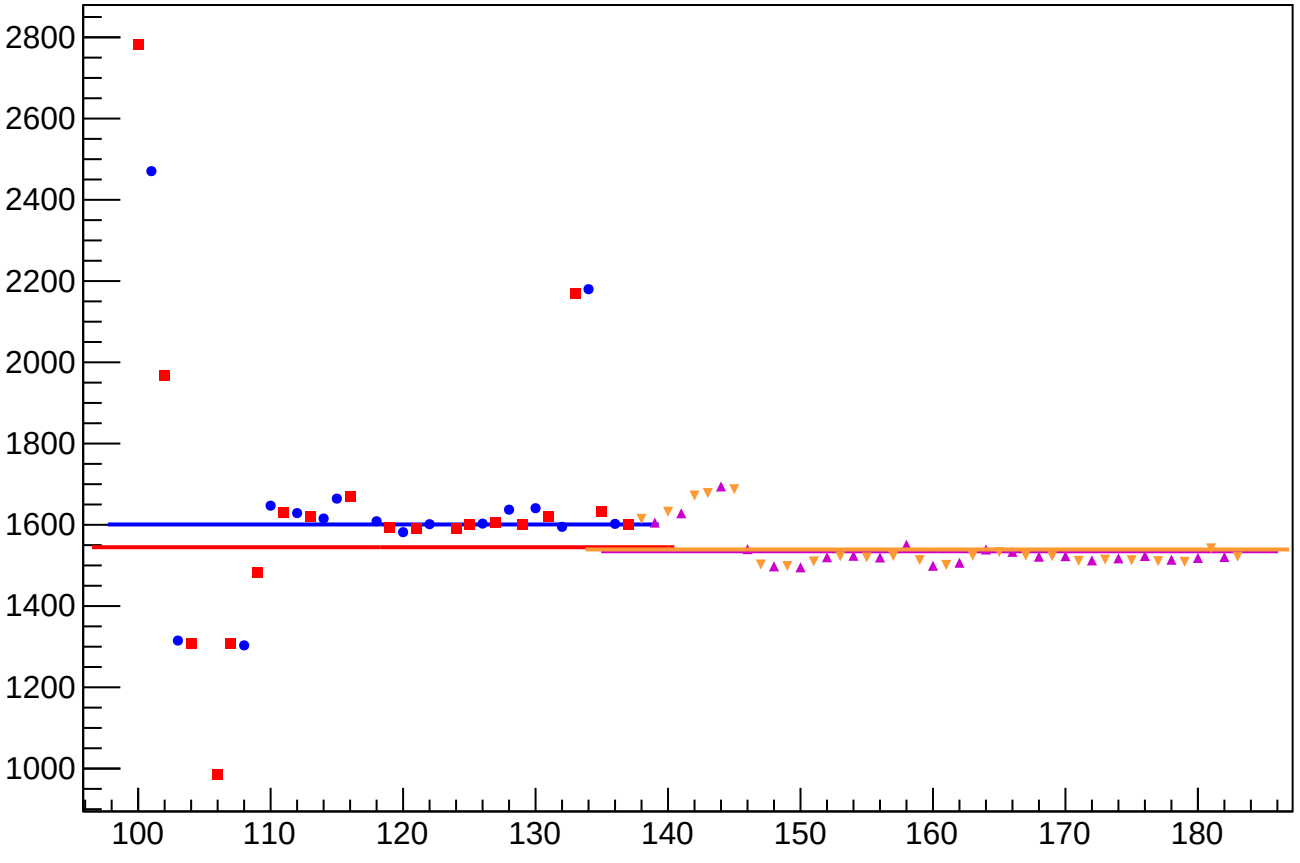
Left In: -2740.009+/-361.464 χ^2/NDF:16.4/21

+ sign 2117.191+/-303.918 χ^2/NDF: 36.9/39

All: -196.208+/-216.289 χ^2/NDF: 186.6/80

- sign -2570.278+/-307.878 χ^2/NDF: 32.3/40

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1539.328+/-0.249 χ^2/NDF:46748.6/23

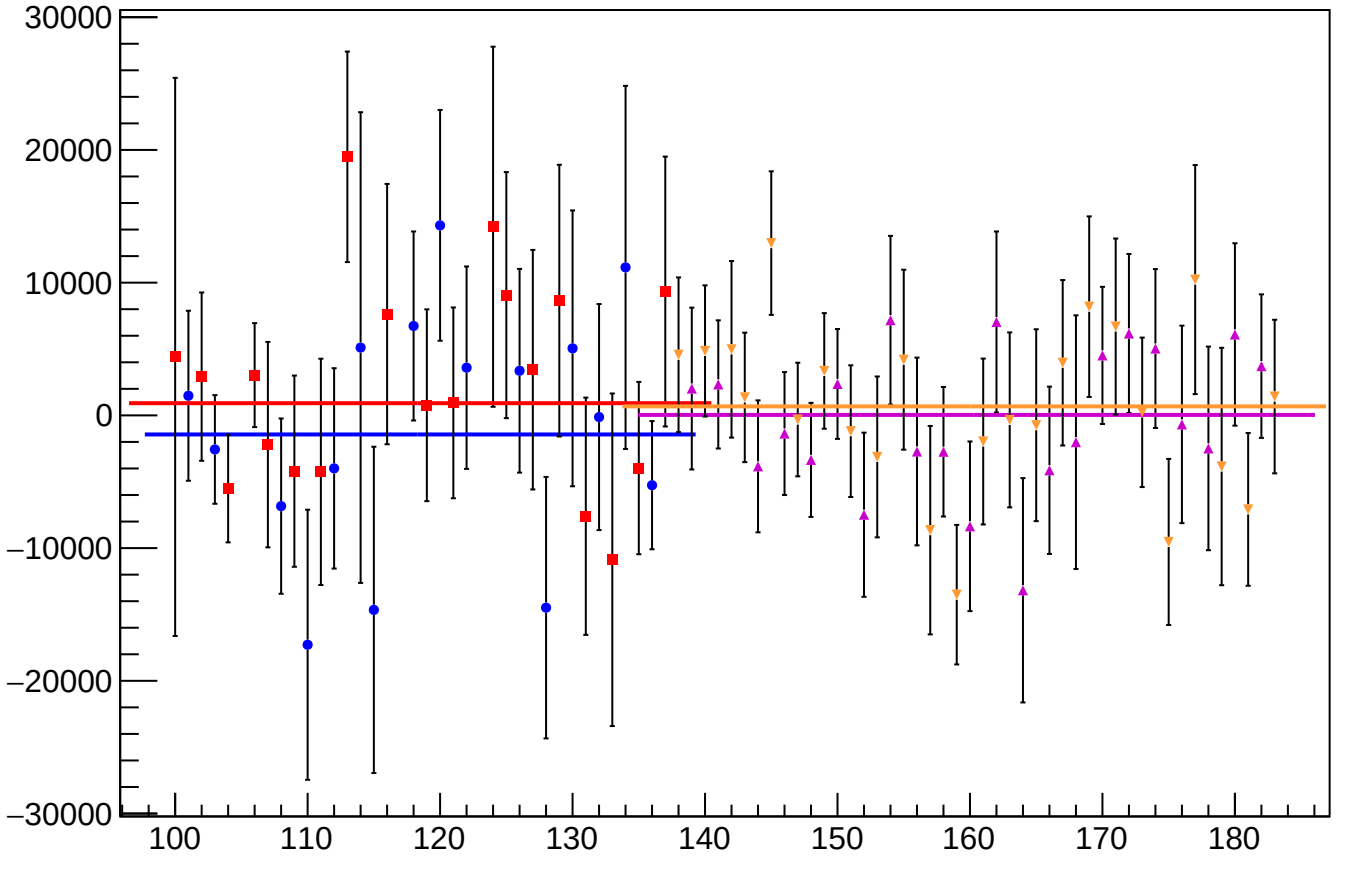
Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1534.862+/-0.256 χ^2/NDF:31063.8/21

+ sign 1555.058+/-0.215 χ^2/NDF: 379769.8/39

All: 1546.431+/-0.153 χ^2/NDF: 790636.9/80

- sign 1537.660+/-0.217 χ^2/NDF: 407617.2/40



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 679.054+/-1195.610 χ^2/NDF:25.3/23

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

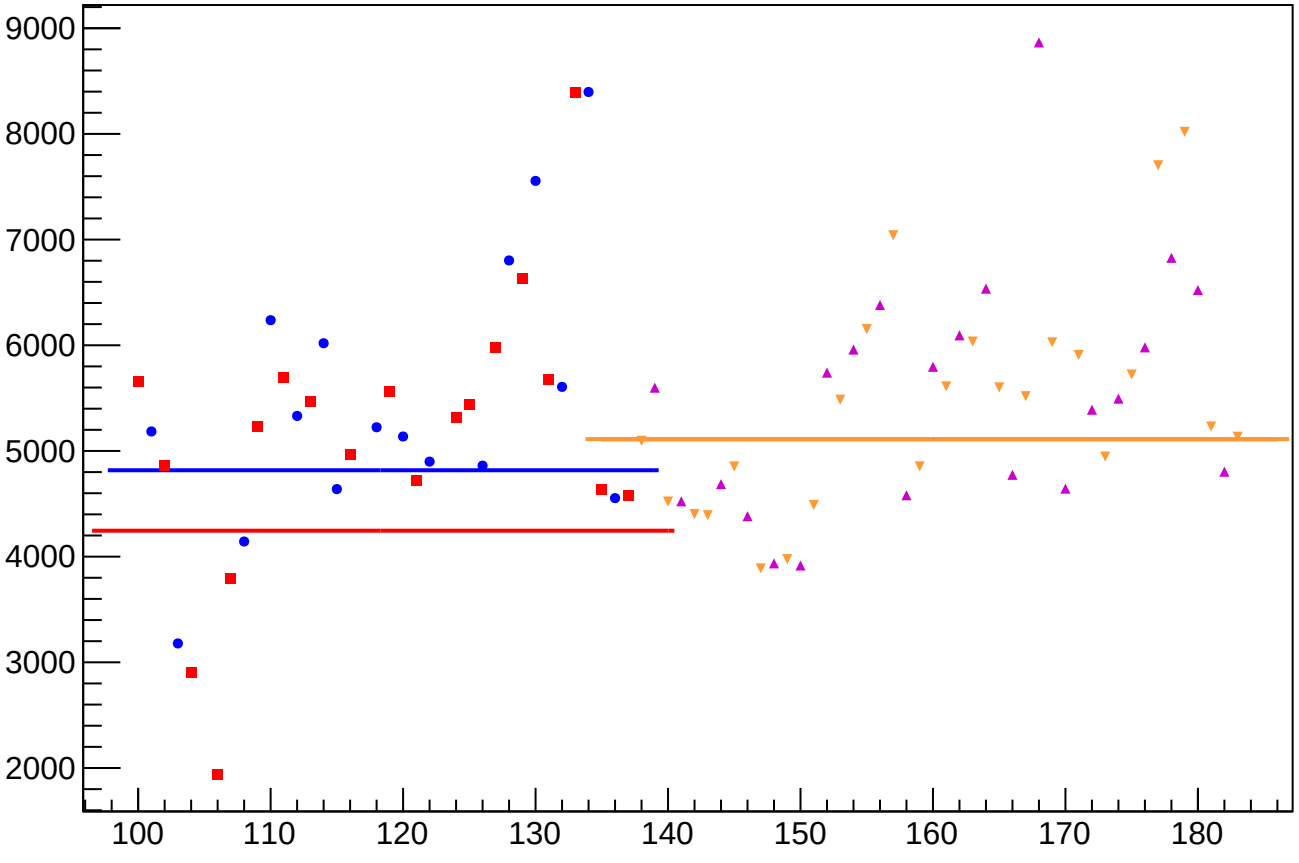
Left In: 35.226+/-1229.035 χ^2/NDF:14.7/21

+ sign 54.776+/-1003.883 χ^2/NDF: 40.0/39

All: 202.314+/-704.789 χ^2/NDF: 70.3/80

- sign 345.718+/-989.714 χ^2/NDF: 30.3/40

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5112.694+/-0.845 χ^2/NDF:1159003.6/23

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

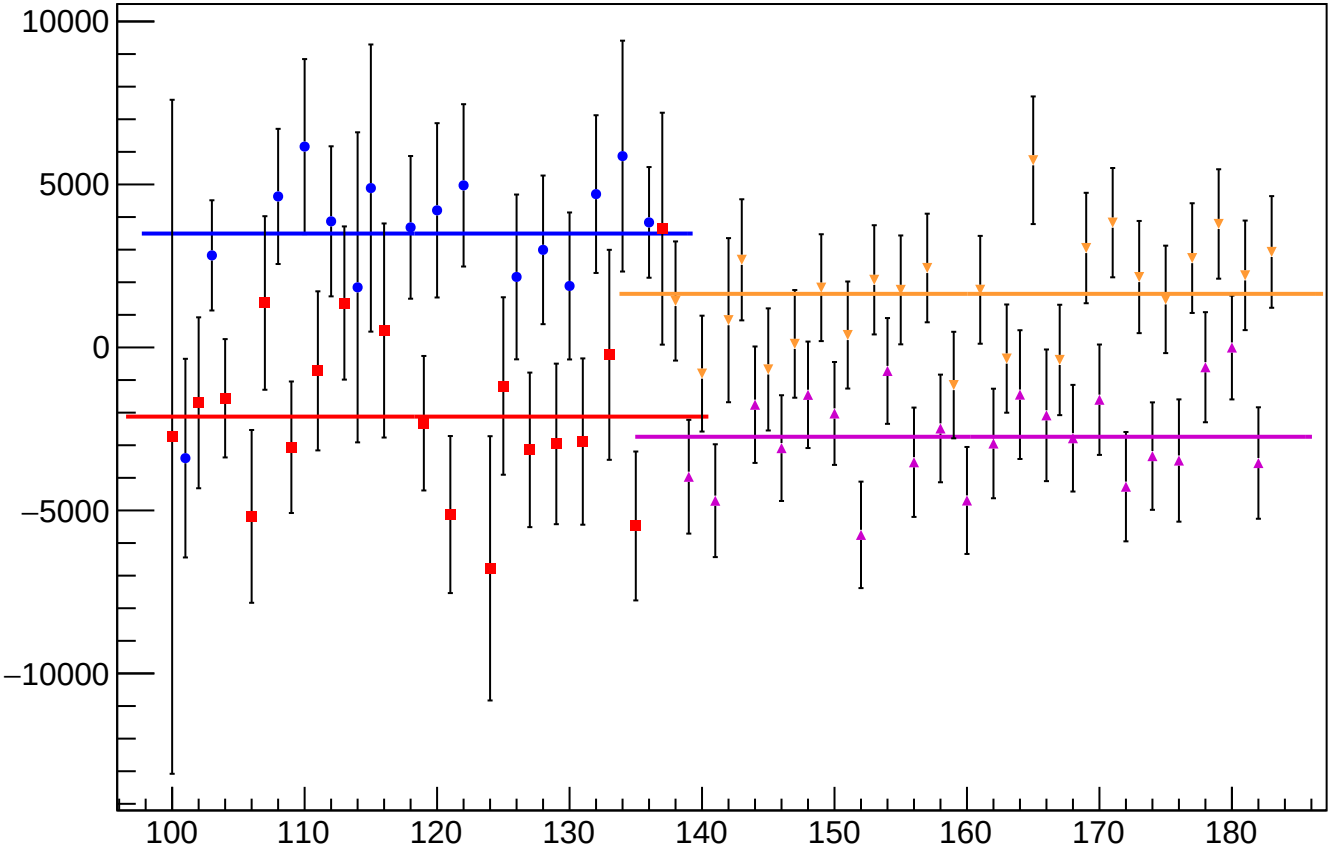
Left In: 5110.871+/-0.869 χ^2/NDF:1250186.2/21

+ sign 5025.565+/-0.710 χ^2/NDF: 1990439.0/39

All: 4914.566+/-0.498 χ^2/NDF: 5320526.4/80

- sign 4806.679+/-0.700 χ^2/NDF: 3281870.6/40

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1644.306+/-352.243 χ^2/NDF:21.0/23

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

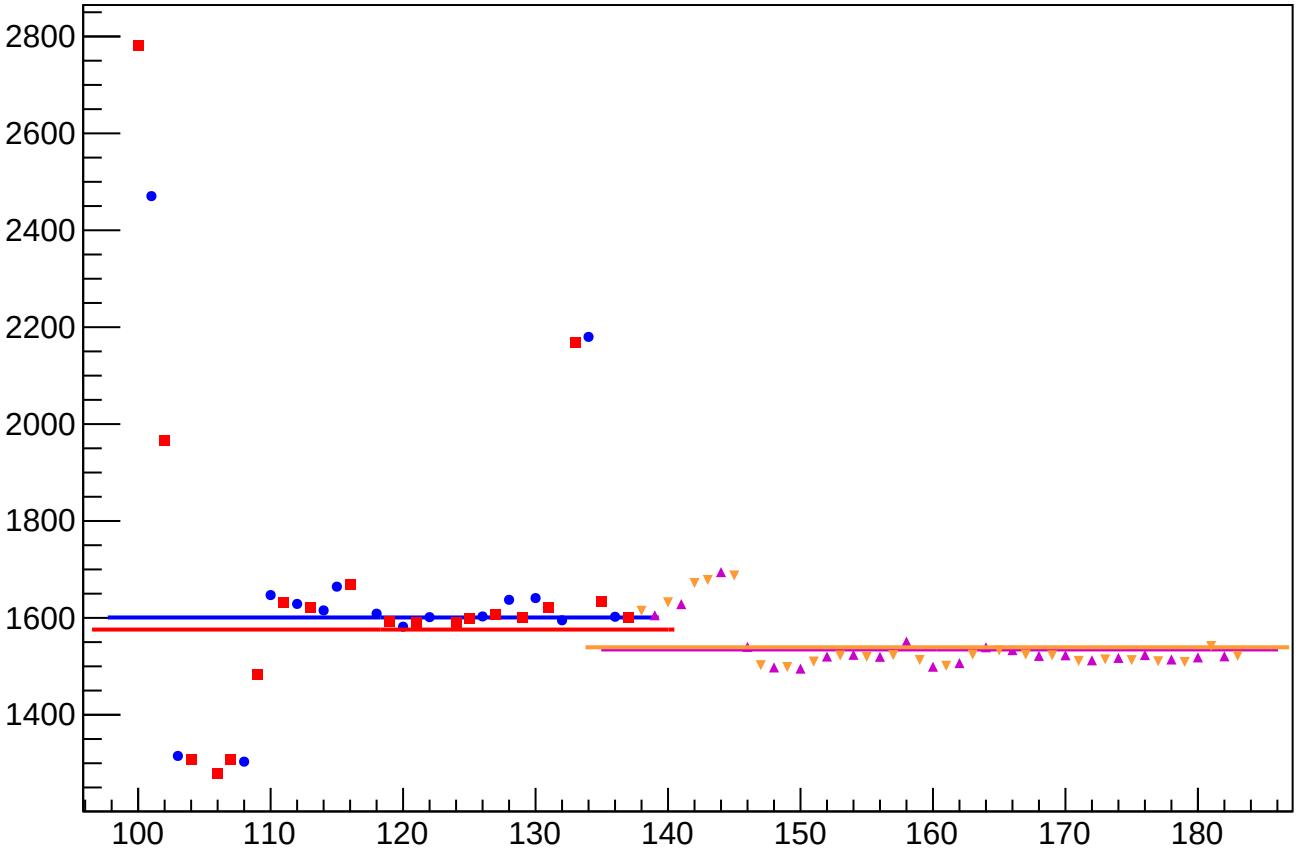
Left In: -2739.928+/-361.464 χ^2/NDF:16.4/21

+ sign 2117.031+/-303.918 χ^2/NDF: 36.9/39

All: -196.256+/-216.289 χ^2/NDF: 186.6/80

- sign -2570.217+/-307.878 χ^2/NDF: 32.3/40

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1539.328+/-0.249 χ^2/NDF:46748.6/23

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

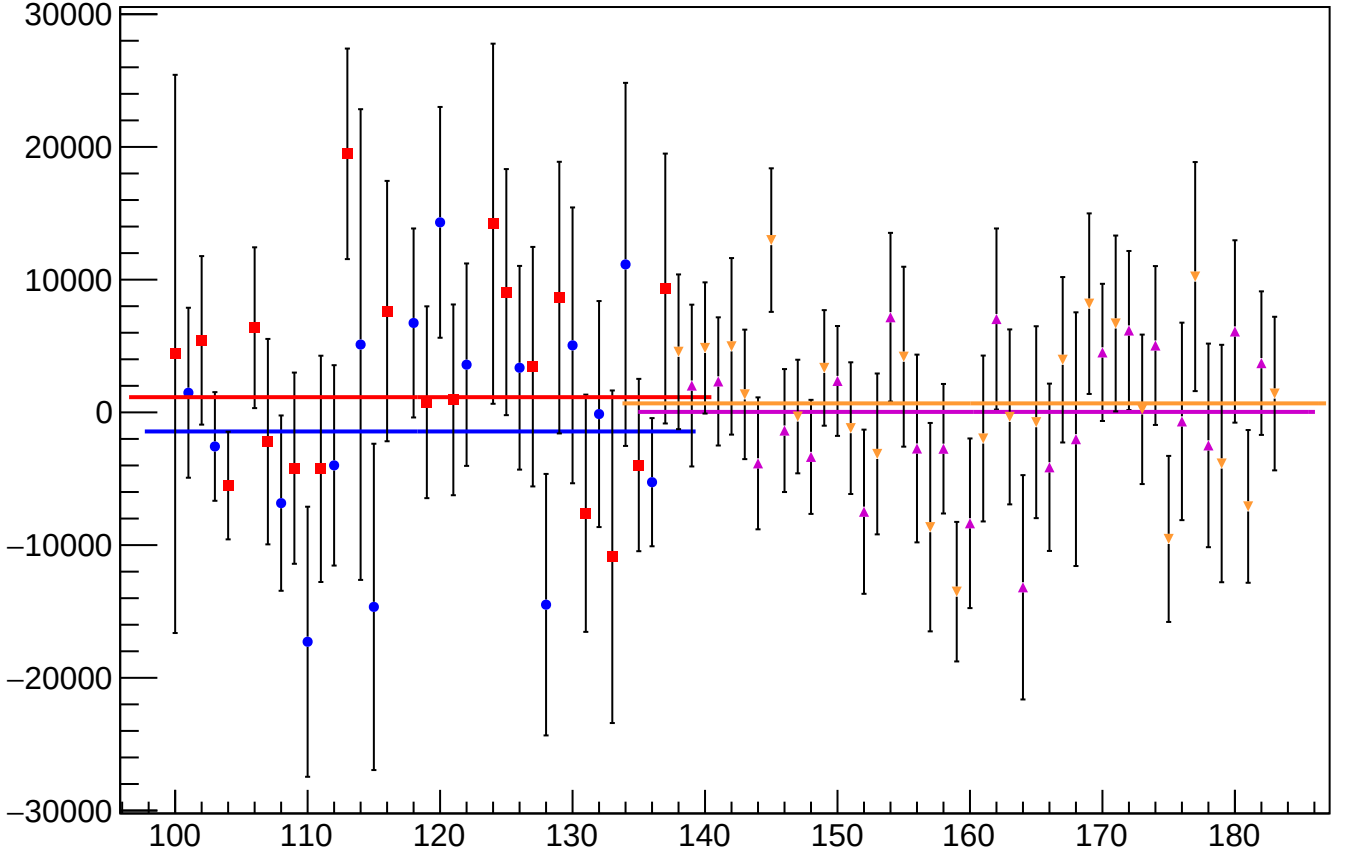
Left In: 1534.862+/-0.256 χ^2/NDF:31063.8/21

+ sign 1555.058+/-0.215 χ^2/NDF: 379769.1/39

All: 1550.678+/-0.153 χ^2/NDF: 662123.1/80

- sign 1546.193+/-0.217 χ^2/NDF: 281513.1/40

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 679.056+/-1195.608 χ^2/NDF:25.3/23

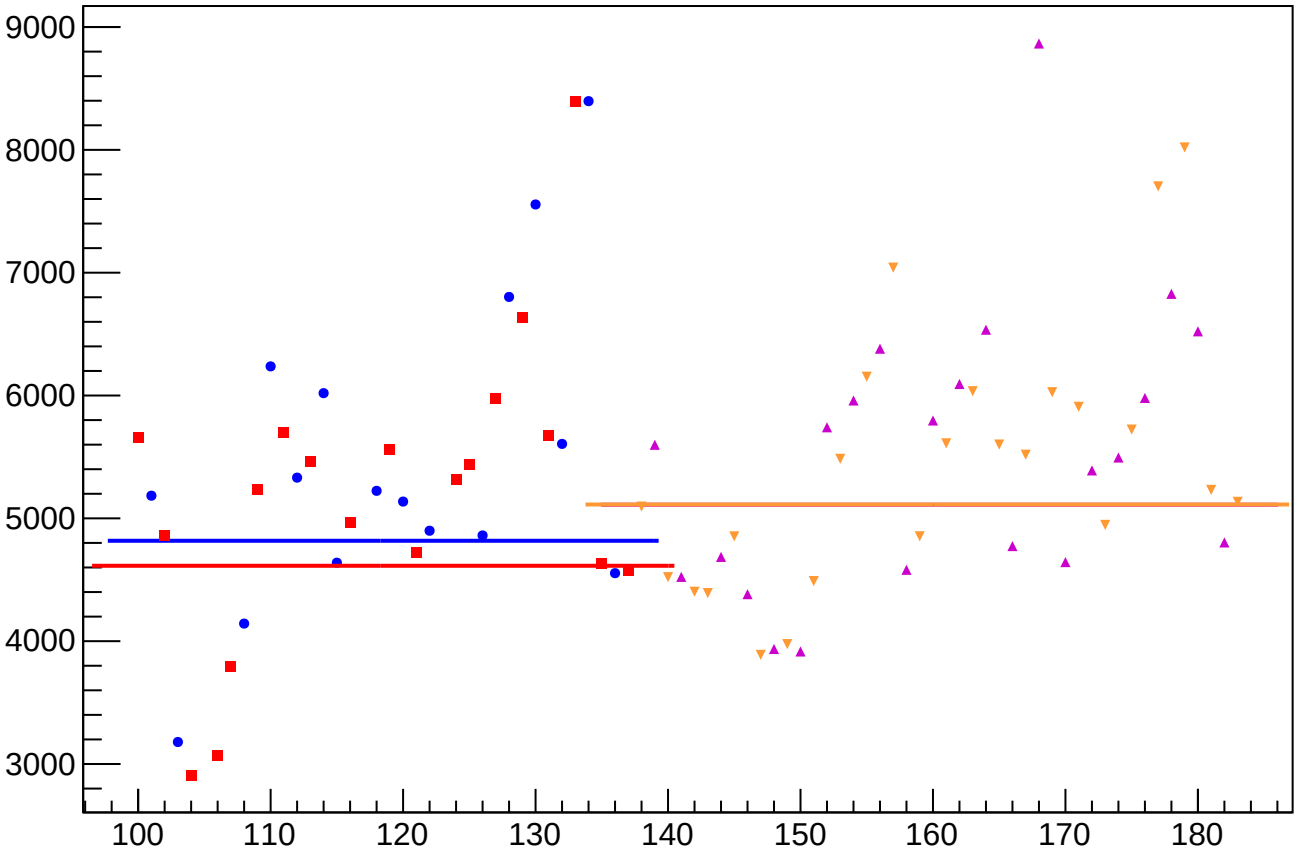
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 35.227+/-1229.035 χ^2/NDF:14.7/21

+ sign 54.724+/-1003.888 χ^2/NDF: 40.0/39

All: 225.496+/-711.540 χ^2/NDF: 71.4/80

- sign 397.898+/-1008.669 χ^2/NDF: 31.3/40



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5112.687+/-0.845 χ^2/NDF:1159016.4/23

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

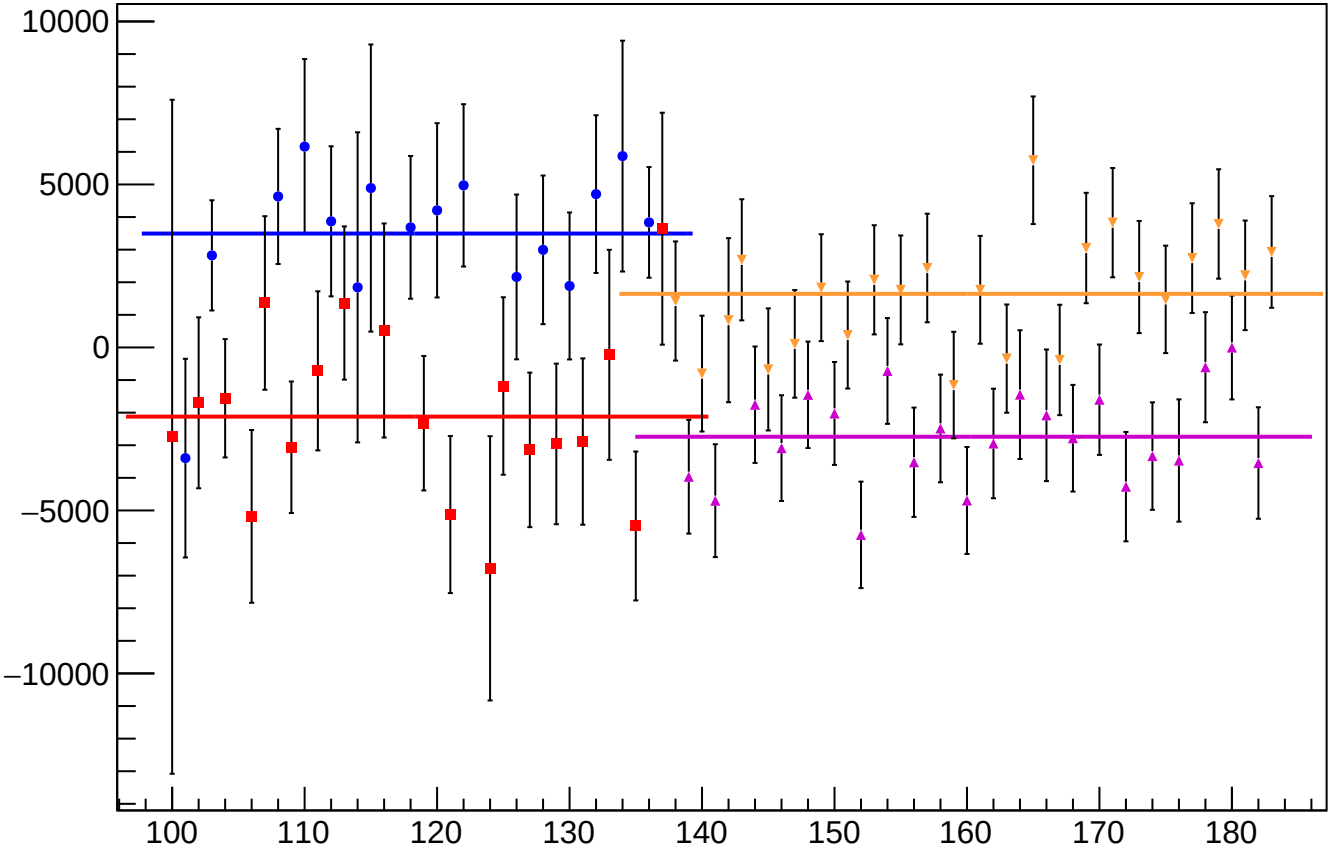
Left In: 5110.870+/-0.869 χ^2/NDF:1250186.1/21

+ sign 5025.602+/-0.710 χ^2/NDF: 1990218.0/39

All: 4987.293+/-0.503 χ^2/NDF: 4330989.7/80

- sign 4948.617+/-0.713 χ^2/NDF: 2334918.7/40

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1644.306+/-352.243 χ^2/NDF:21.0/23

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

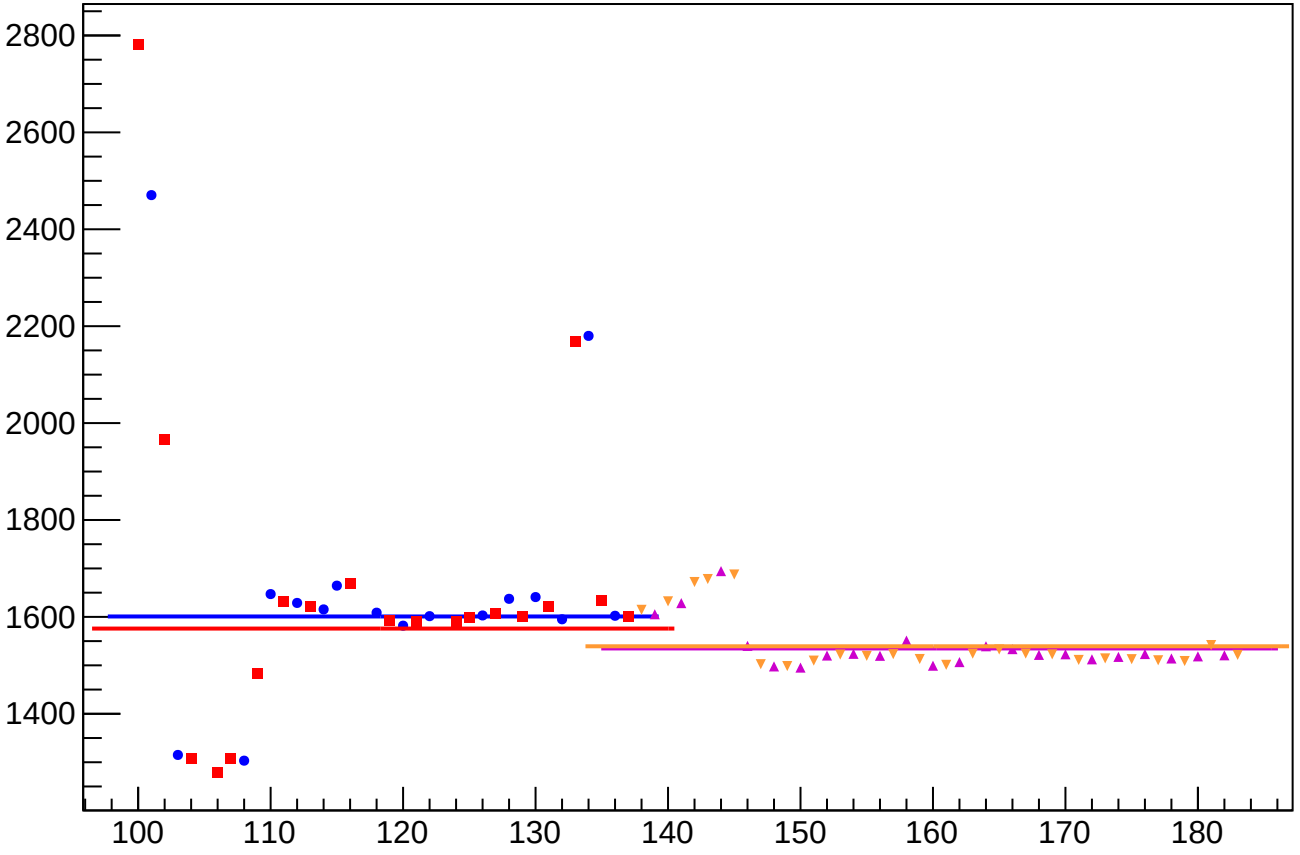
Left In: -2739.928+/-361.464 χ^2/NDF:16.4/21

+ sign 2117.031+/-303.918 χ^2/NDF: 36.9/39

All: -196.256+/-216.289 χ^2/NDF: 186.6/80

- sign -2570.217+/-307.878 χ^2/NDF: 32.3/40

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1539.328+/-0.249 χ^2/NDF:46748.6/23

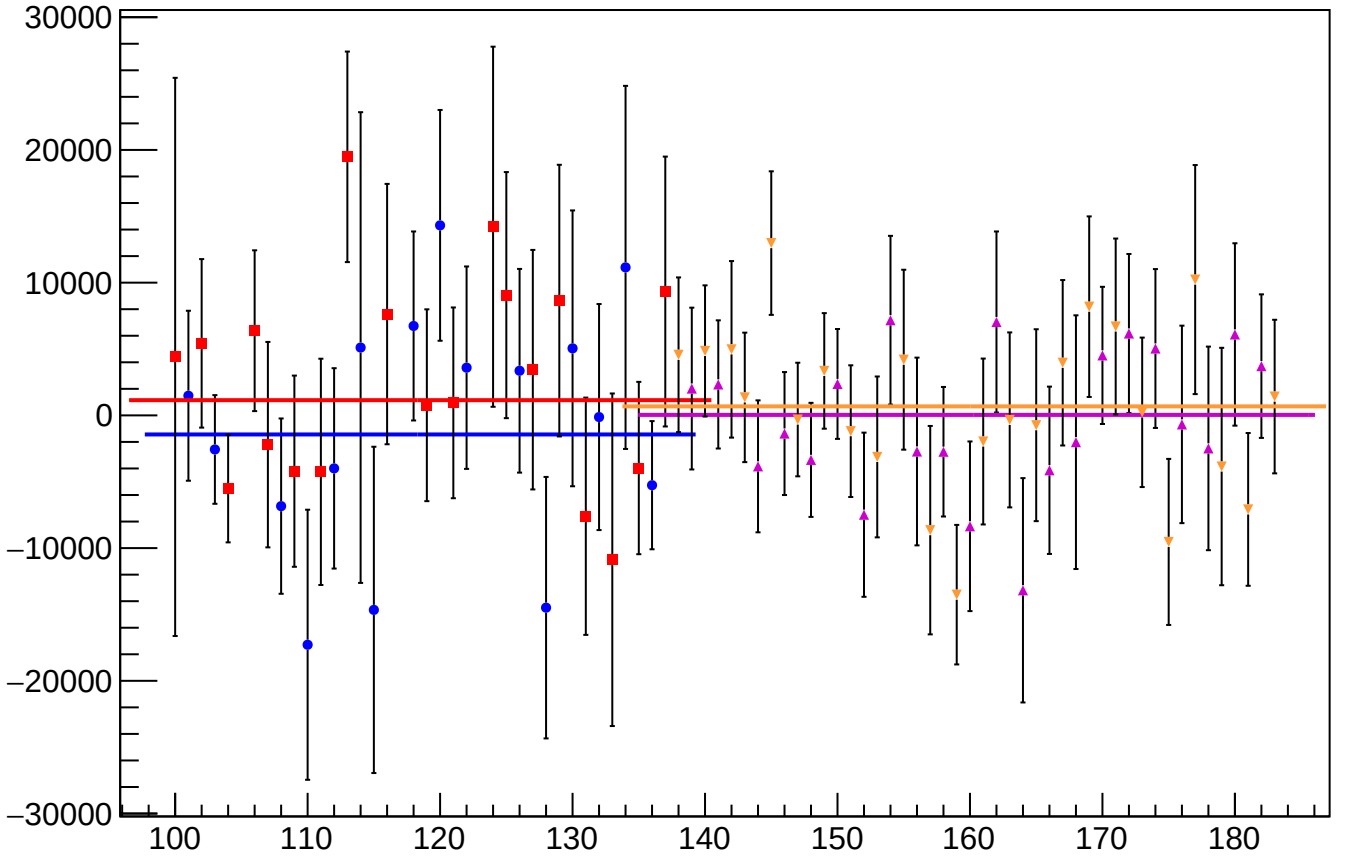
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1534.862+/-0.256 χ^2/NDF:31063.8/21

+ sign 1555.058+/-0.215 χ^2/NDF: 379769.1/39

All: 1550.678+/-0.153 χ^2/NDF: 662123.1/80

- sign 1546.193+/-0.217 χ^2/NDF: 281513.1/40



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 679.056+/-1195.608 χ^2/NDF:25.3/23

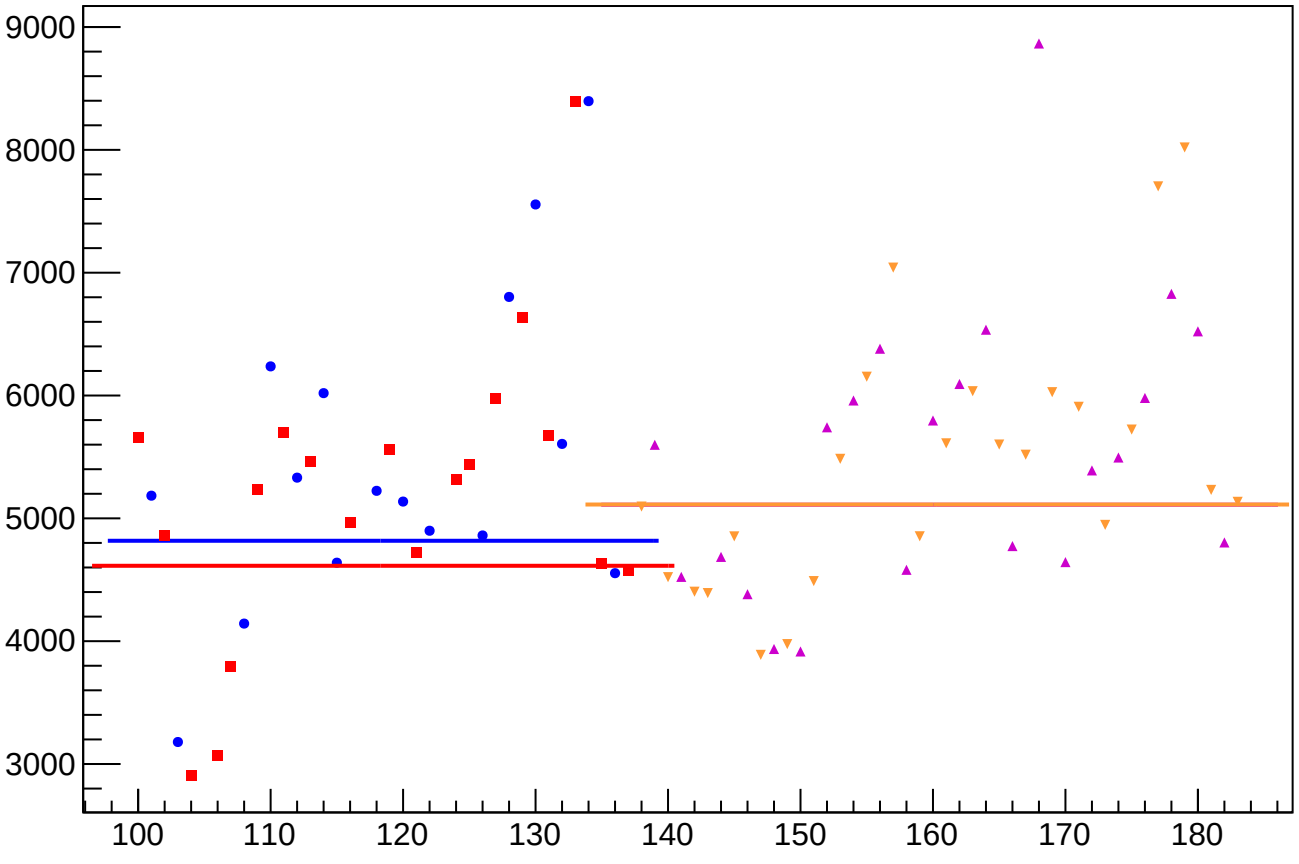
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 35.227+/-1229.035 χ^2/NDF:14.7/21

\+ sign 54.724+/-1003.888 χ^2/NDF: 40.0/39

All: 225.496+/-711.540 χ^2/NDF: 71.4/80

\- sign 397.898+/-1008.669 χ^2/NDF: 31.3/40



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5112.687+/-0.845 χ^2/NDF:1159016.4/23

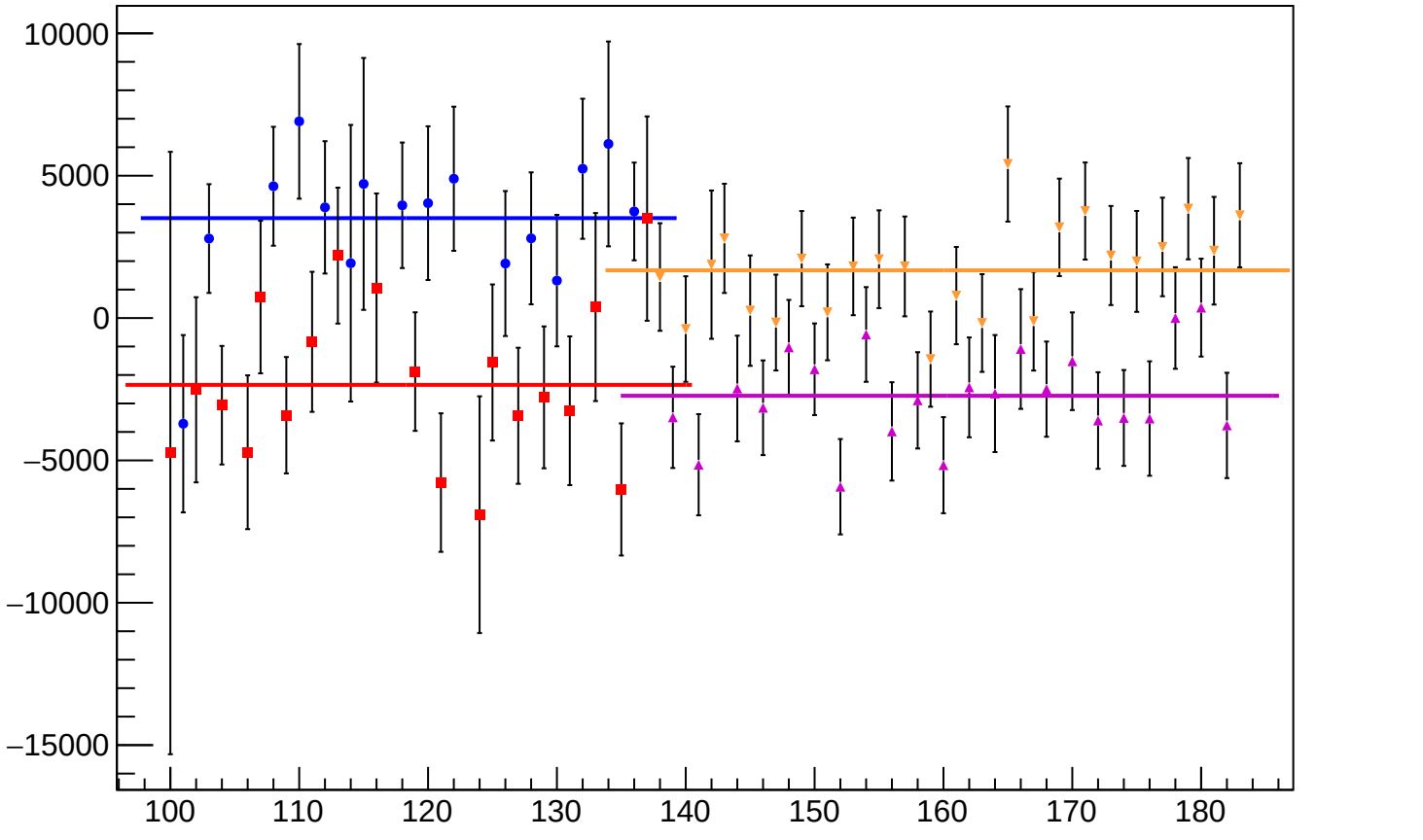
Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5110.870+/-0.869 χ^2/NDF:1250186.1/21

+ sign 5025.602+/-0.710 χ^2/NDF: 1990218.0/39

All: 4987.293+/-0.503 χ^2/NDF: 4330989.7/80

- sign 4948.617+/-0.713 χ^2/NDF: 2334918.7/40



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1675.777+/-365.084 χ^2/NDF:18.9/23

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

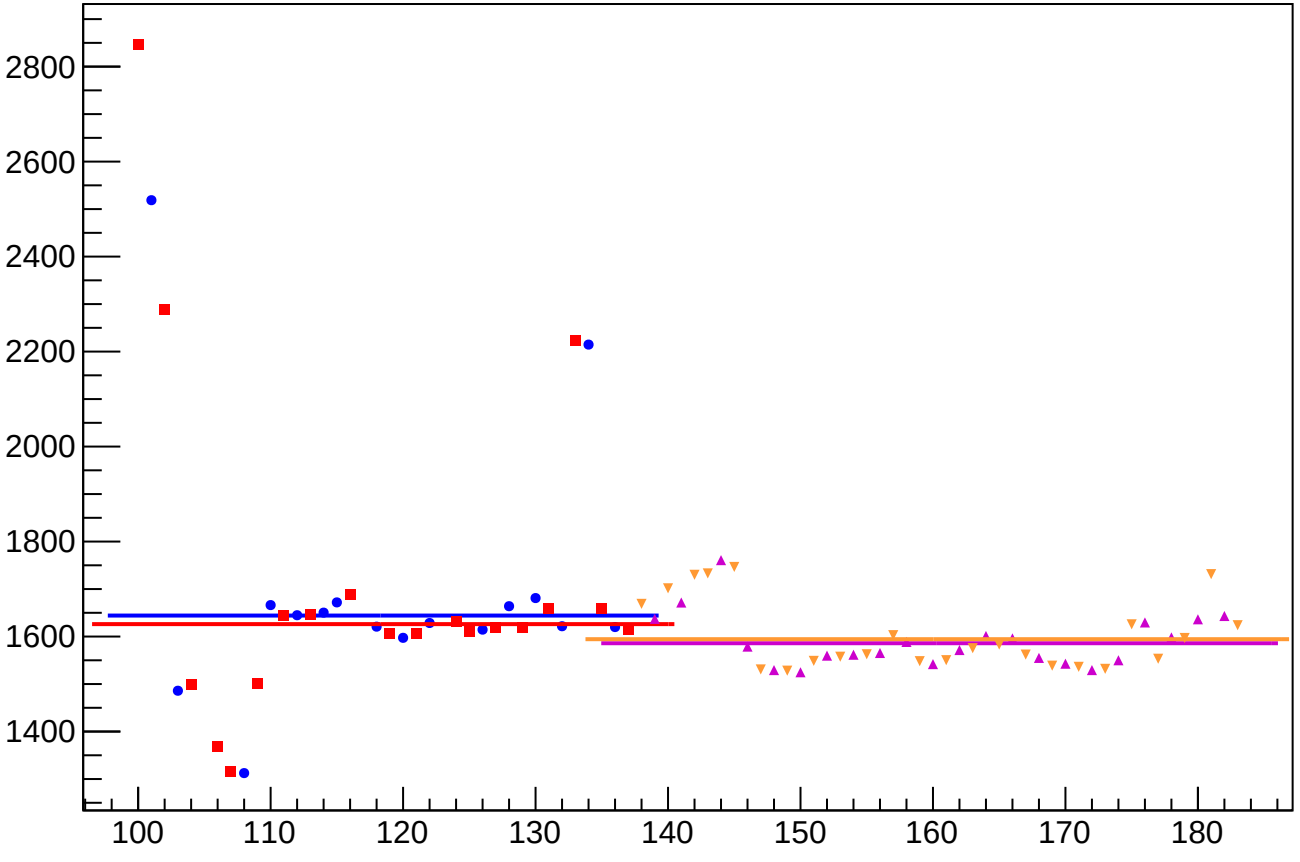
Left In: -2729.380+/-373.660 χ^2/NDF:19.1/21

+ sign 2151.623+/-314.164 χ^2/NDF: 35.9/39

All: -205.341+/-223.587 χ^2/NDF: 186.5/80

- sign -2624.386+/-318.275 χ^2/NDF: 36.5/40

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1594.445+/-0.258 χ^2/NDF:70735.4/23

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

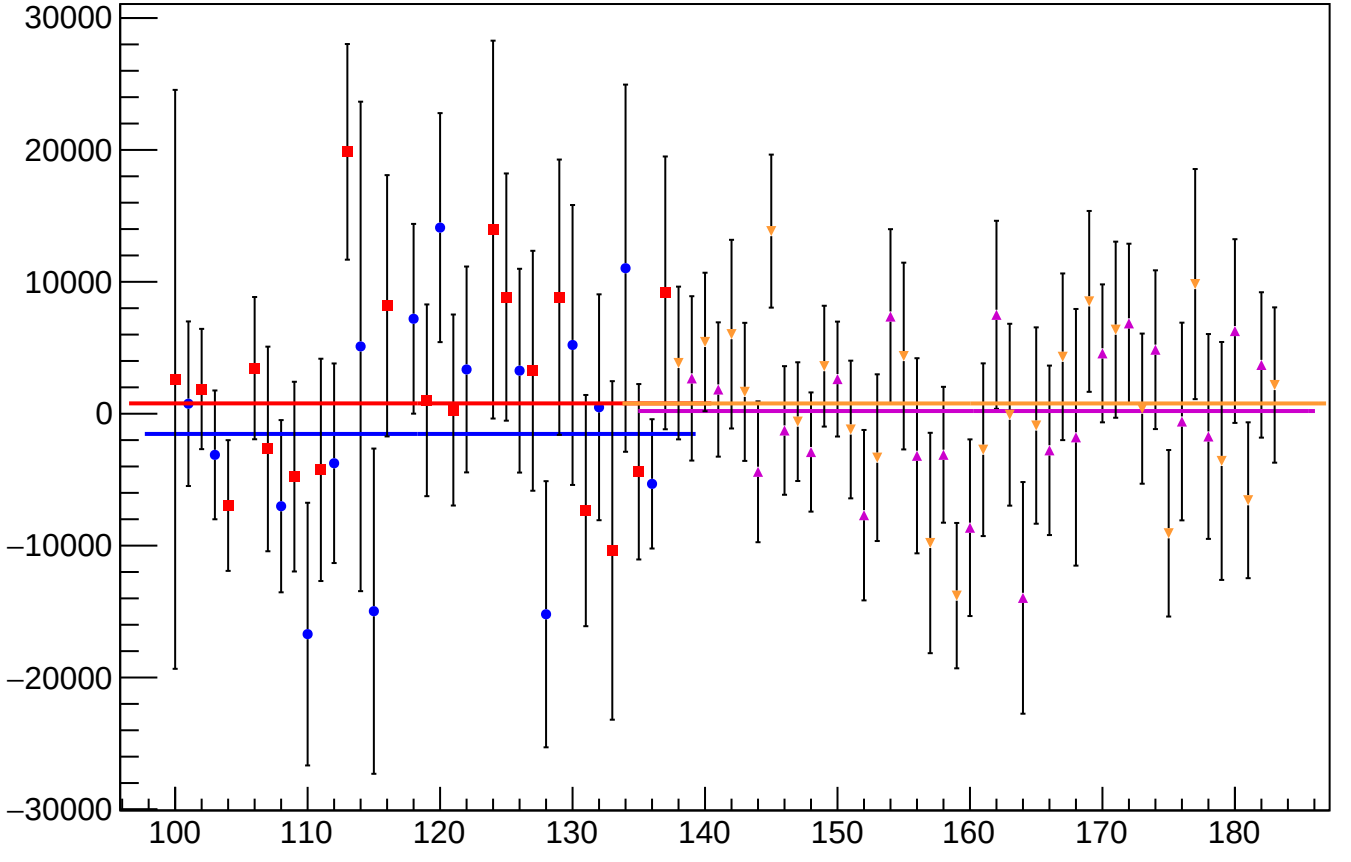
Left In: 1585.950+/-0.264 χ^2/NDF:41914.4/21

+ sign 1607.356+/-0.222 χ^2/NDF: 355192.1/39

All: 1602.246+/-0.158 χ^2/NDF: 642186.8/80

- sign 1597.005+/-0.225 χ^2/NDF: 285923.1/40

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 779.174+/-1242.345 χ^2/NDF:24.6/23

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

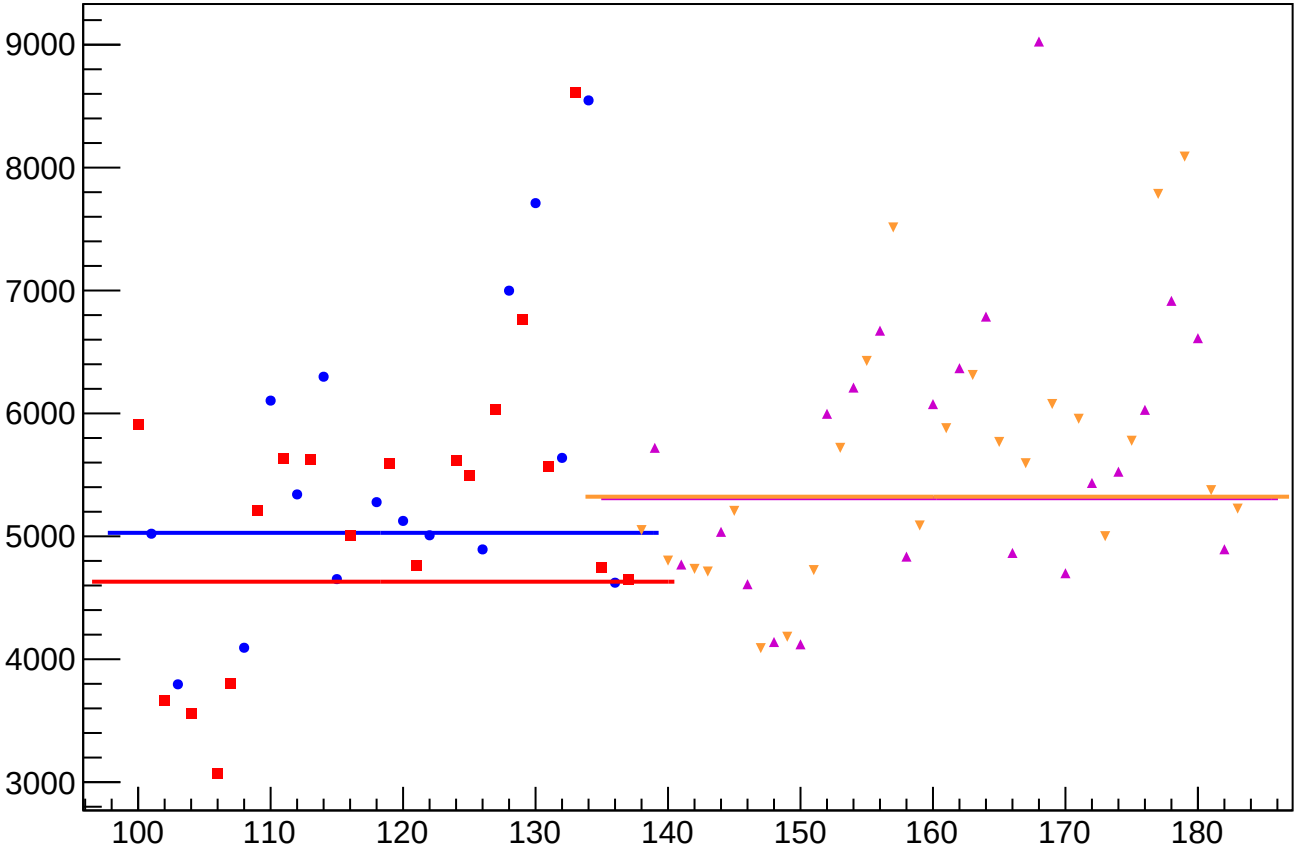
Left In: 203.862+/-1275.060 χ^2/NDF:14.6/21

\+ sign 93.955+/-1042.040 χ^2/NDF: 39.5/39

All: 251.419+/-732.626 χ^2/NDF: 69.2/80

\- sign 405.336+/-1030.240 χ^2/NDF: 29.7/40

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5322.496+/-0.878 χ^2/NDF:1036982.3/23

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

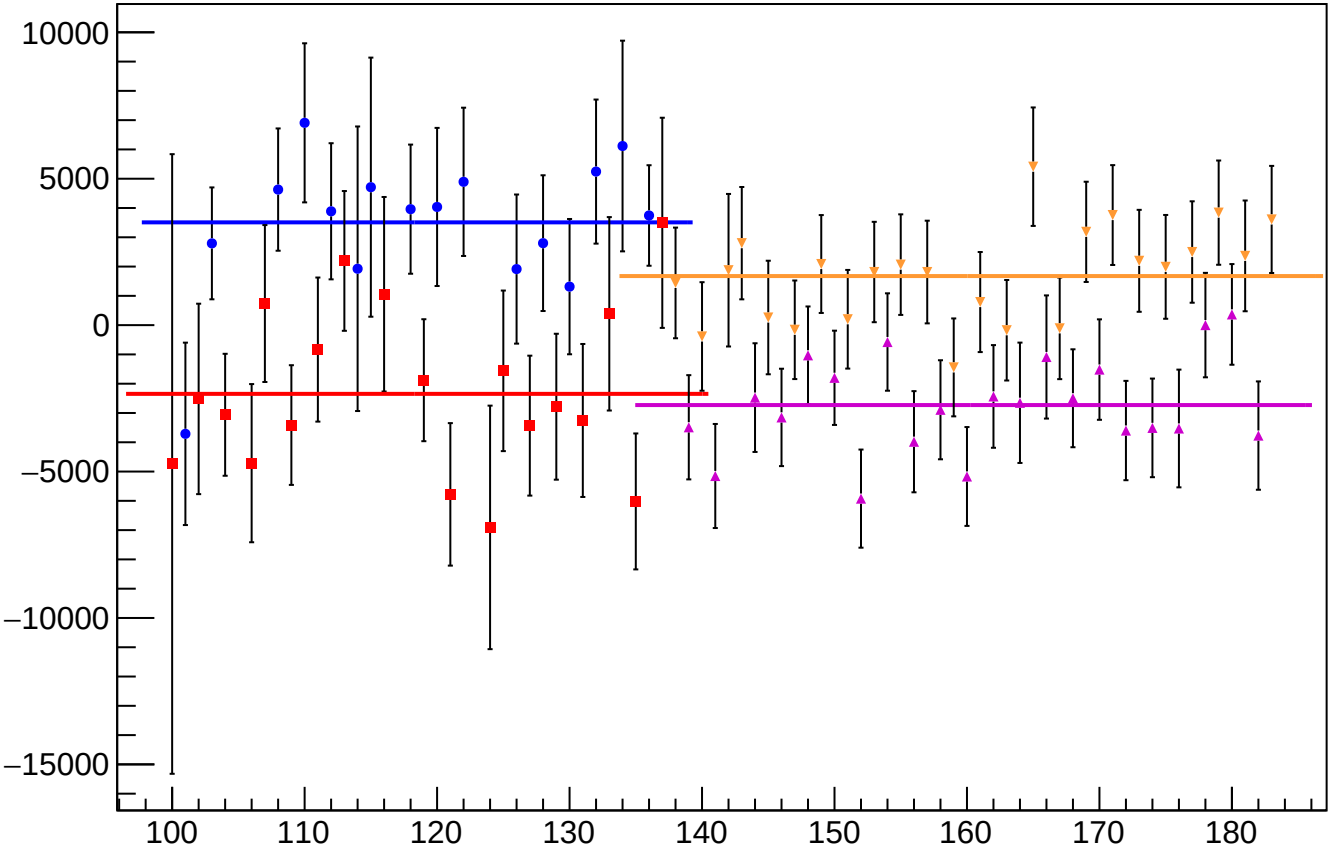
Left In: 5310.188+/-0.902 χ^2/NDF:1148967.5/21

+ sign 5235.321+/-0.737 χ^2/NDF: 1635668.4/39

All: 5153.932+/-0.518 χ^2/NDF: 3869333.4/80

- sign 5074.376+/-0.728 χ^2/NDF: 2209538.0/40

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1675.771+/-365.084 χ^2/NDF:18.9/23

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

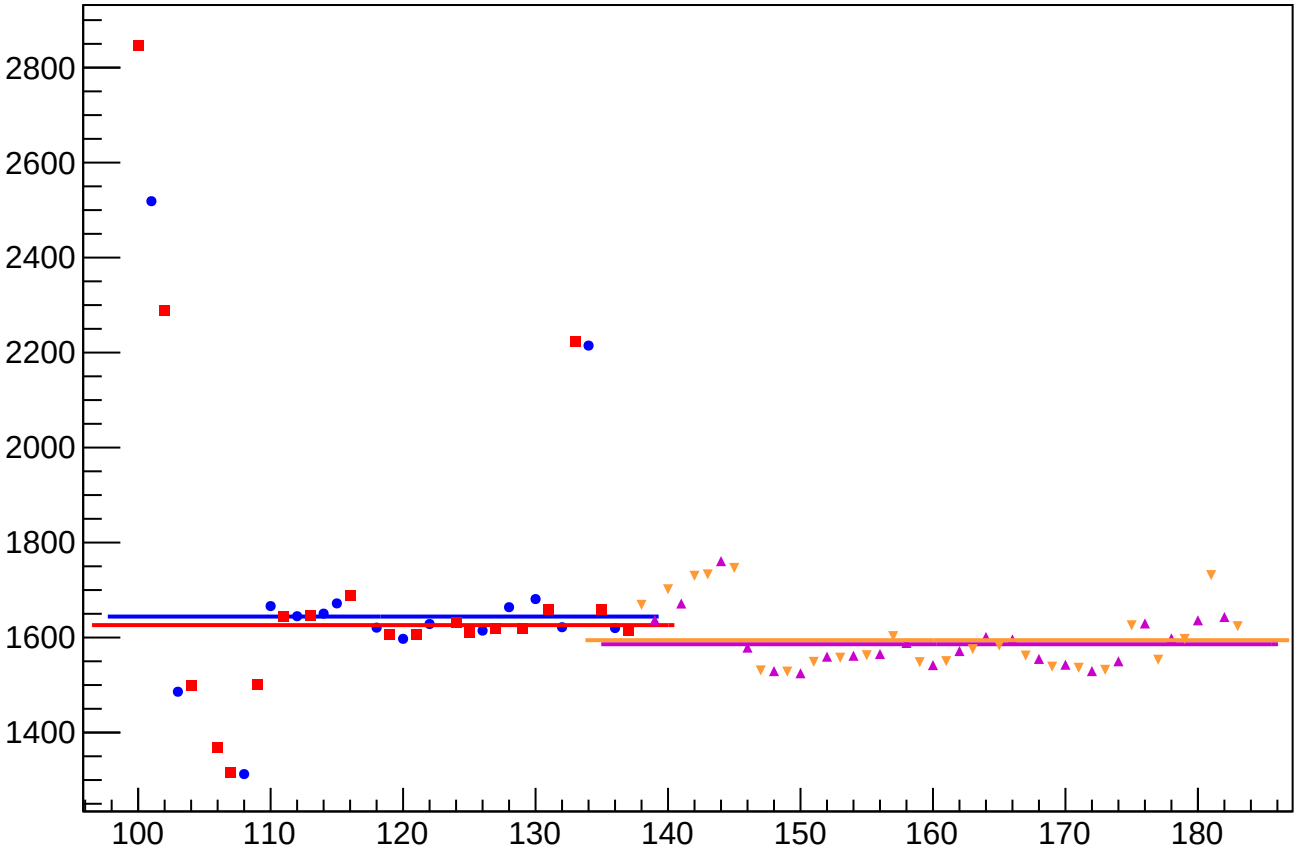
Left In: -2729.381+/-373.661 χ^2/NDF:19.1/21

+ sign 2151.620+/-314.164 χ^2/NDF: 35.9/39

All: -205.344+/-223.587 χ^2/NDF: 186.5/80

- sign -2624.388+/-318.275 χ^2/NDF: 36.5/40

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1594.446+/-0.258 χ^2/NDF:70735.3/23

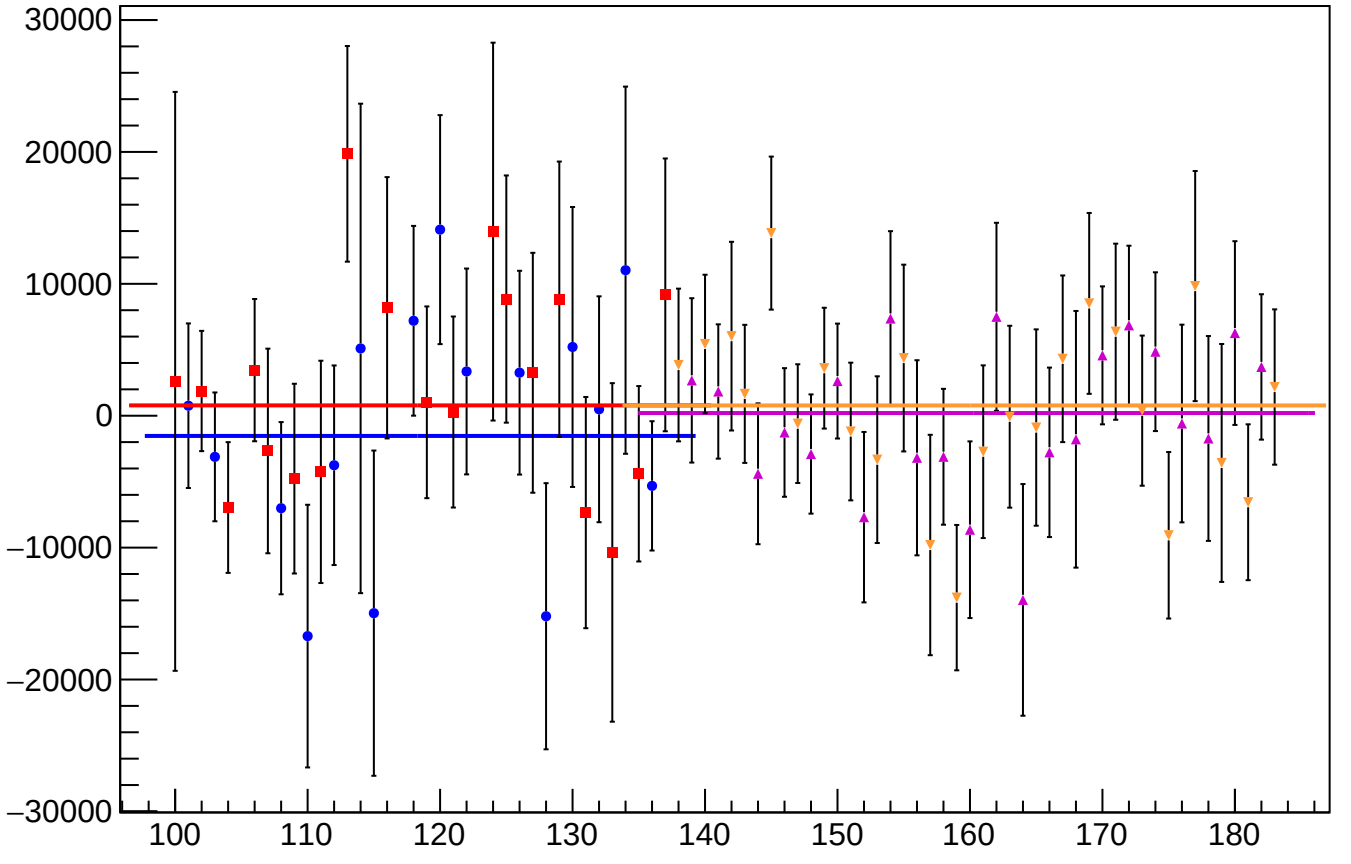
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1585.951+/-0.264 χ^2/NDF:41914.2/21

+ sign 1607.356+/-0.222 χ^2/NDF: 355191.6/39

All: 1602.247+/-0.158 χ^2/NDF: 642185.2/80

- sign 1597.006+/-0.225 χ^2/NDF: 285922.0/40



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 779.171+/-1242.347 χ^2/NDF:24.6/23

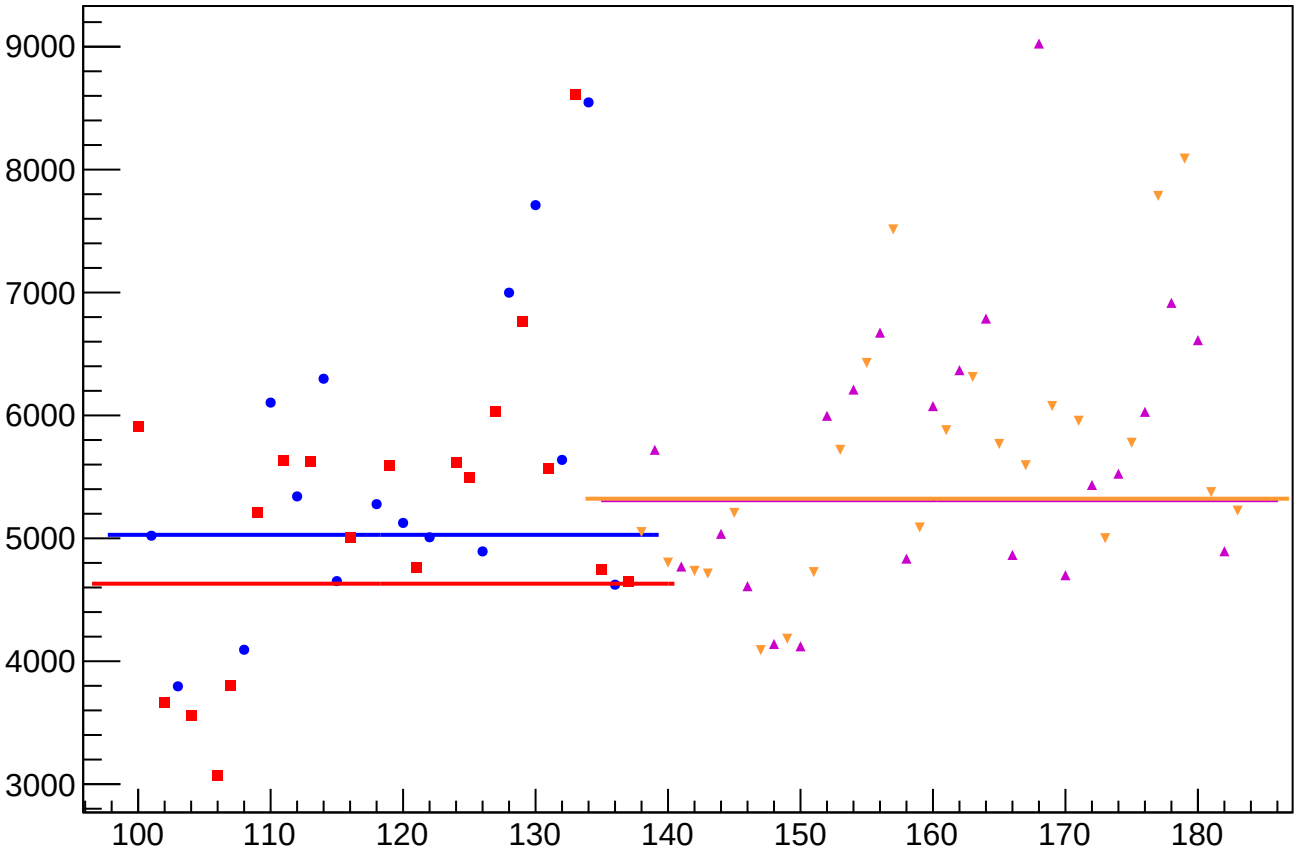
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 203.864+/-1275.062 χ^2/NDF:14.6/21

\+ sign 93.954+/-1042.041 χ^2/NDF: 39.5/39

All: 251.419+/-732.627 χ^2/NDF: 69.2/80

\- sign 405.339+/-1030.241 χ^2/NDF: 29.7/40



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5322.506+/-0.878 χ^2/NDF:1036984.6/23

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

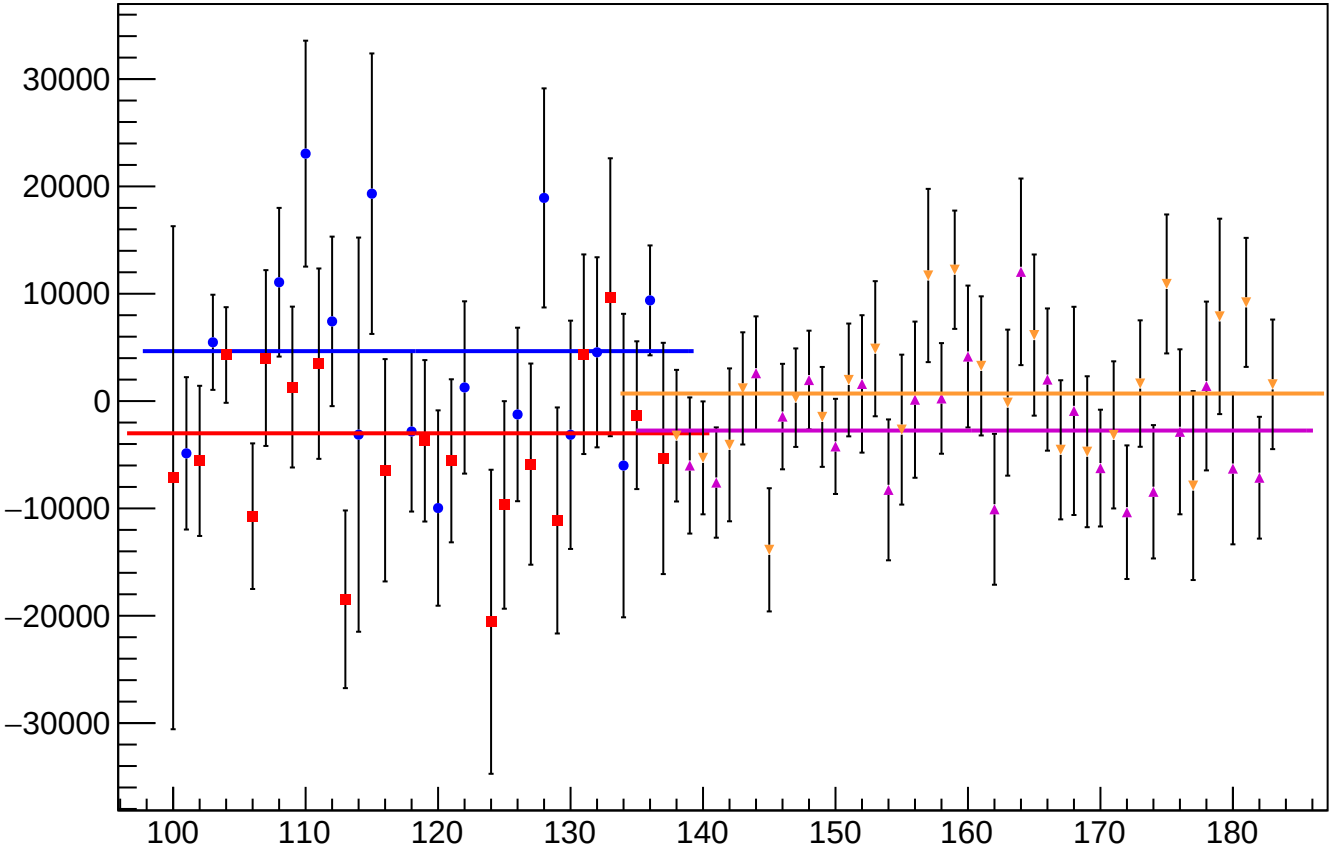
Left In: 5310.197+/-0.902 χ^2/NDF:1148971.5/21

+ sign 5235.325+/-0.737 χ^2/NDF: 1635667.9/39

All: 5153.935+/-0.518 χ^2/NDF: 3869340.4/80

- sign 5074.378+/-0.728 χ^2/NDF: 2209545.0/40

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 703.621+/-1255.348 χ^2/NDF:24.2/23

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

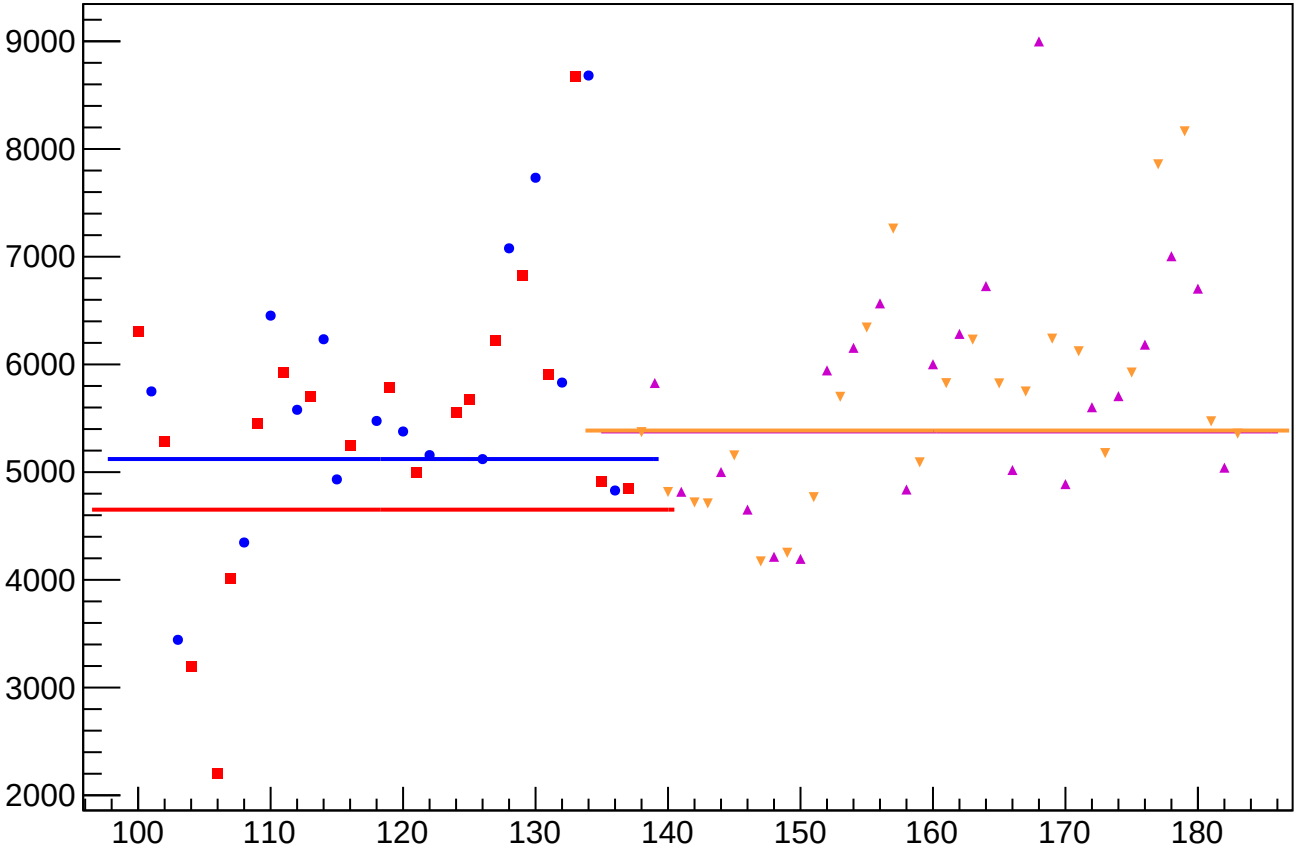
Left In: -2745.110+/-1289.259 χ^2/NDF:14.6/21

+ sign 1853.749+/-1056.875 χ^2/NDF: 42.6/39

All: -471.306+/-749.749 χ^2/NDF: 80.8/80

- sign -2826.787+/-1063.768 χ^2/NDF: 28.4/40

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5386.162+/-0.888 χ^2/NDF:987065.8/23

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

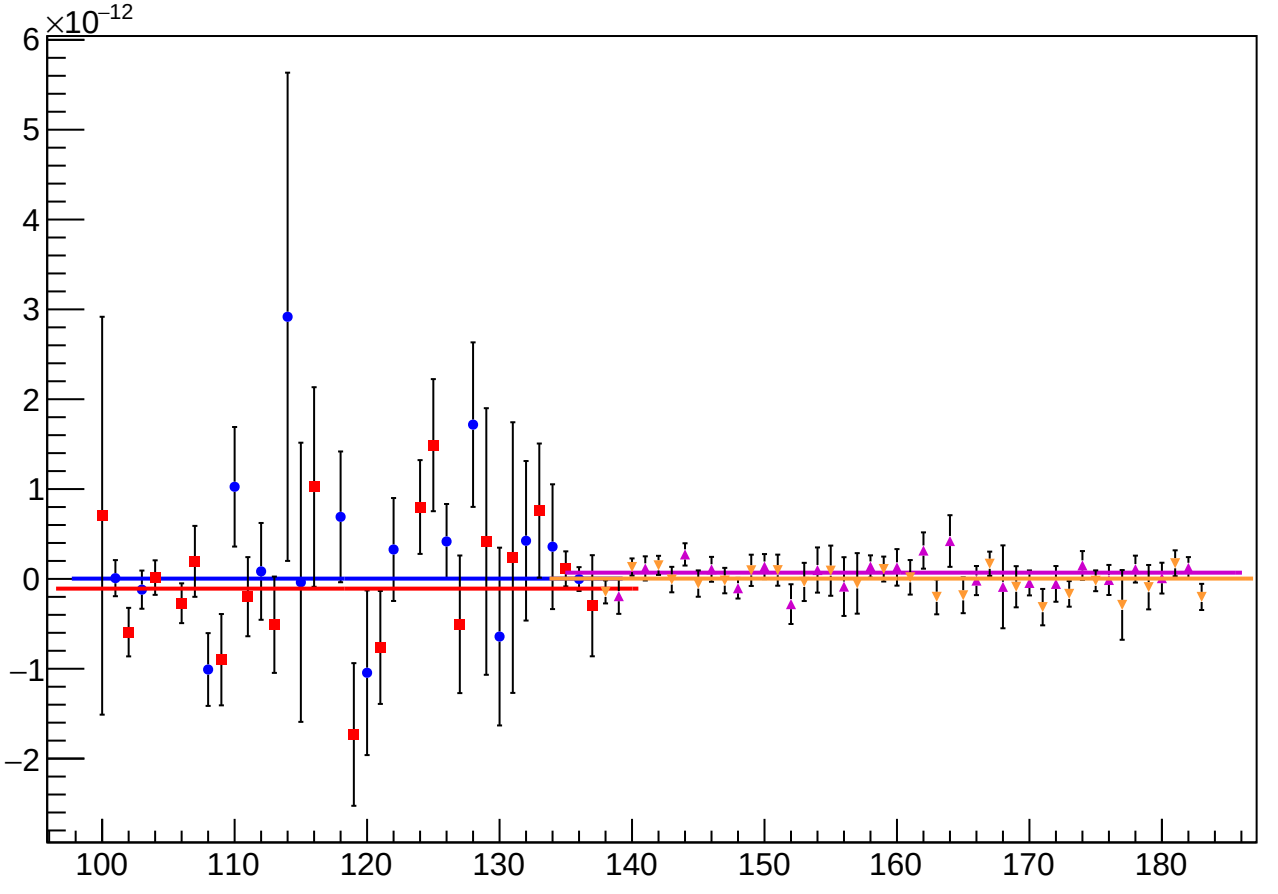
Left In: 5377.952+/-0.912 χ^2/NDF:1070146.6/21

+ sign 5309.133+/-0.747 χ^2/NDF: 1733295.2/39

All: 5220.830+/-0.527 χ^2/NDF: 4389546.5/80

- sign 5133.634+/-0.743 χ^2/NDF: 2628503.6/40

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

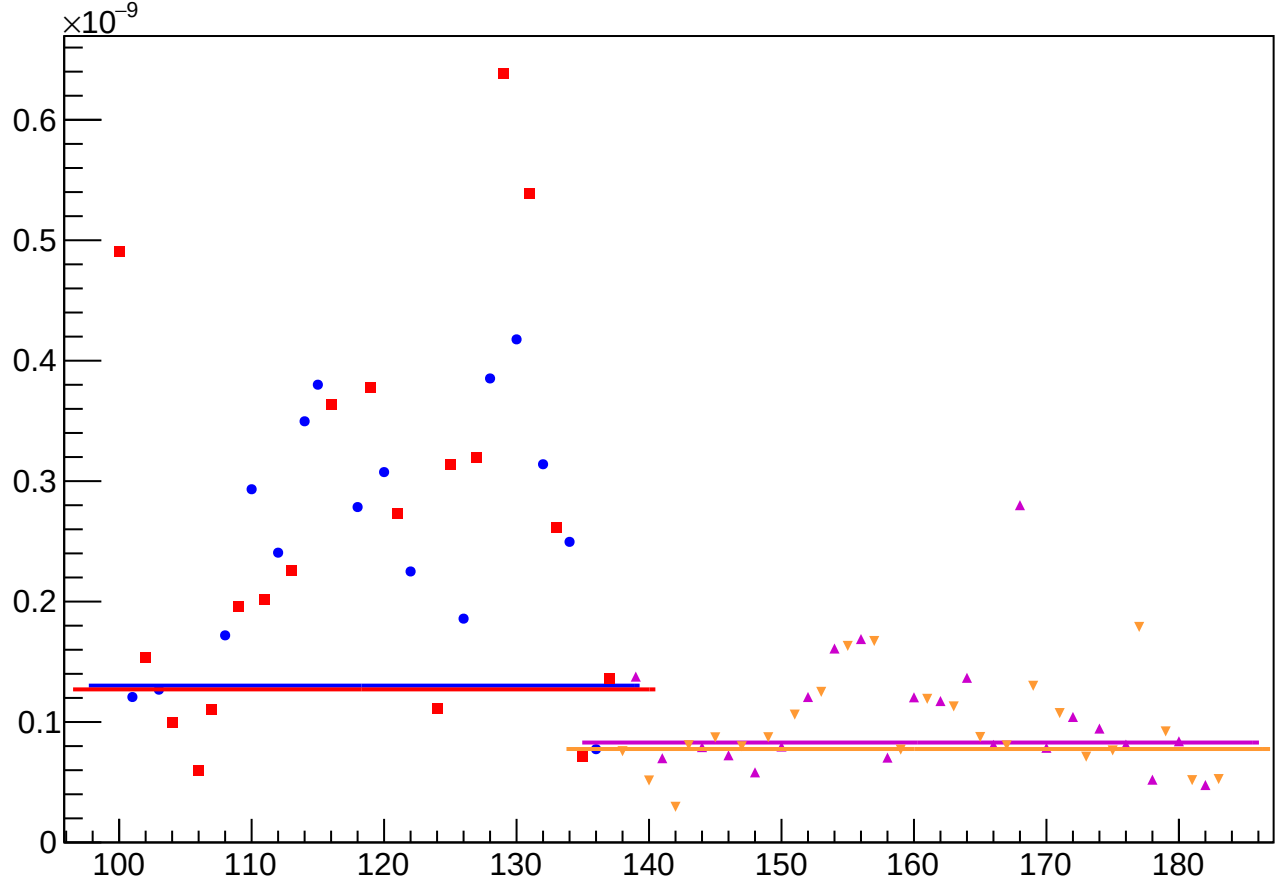
Left In: 0.000+/-0.000 χ^2/NDF:15.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/39

All: 0.000+/-0.000 χ^2/NDF: 81.4/80

- sign 0.000+/-0.000 χ^2/NDF: 44.2/40

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1641943.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

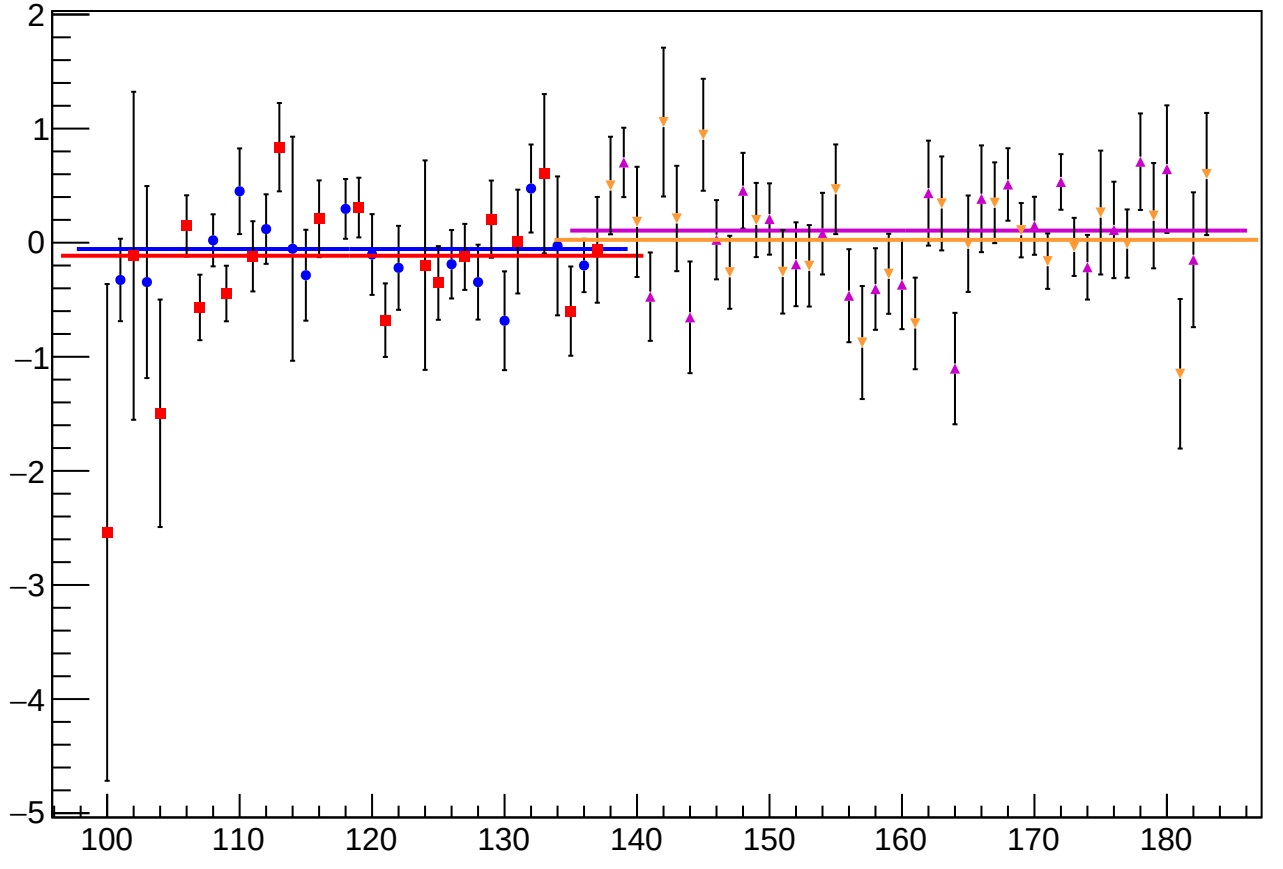
Left In: 0.000+/-0.000 χ^2/NDF:1545467.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 3622902.8/39

All: 0.000+/-0.000 χ^2/NDF: 7348964.0/80

- sign 0.000+/-0.000 χ^2/NDF: 3702262.1/40

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.025+/-0.076 χ^2/NDF:25.2/23

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

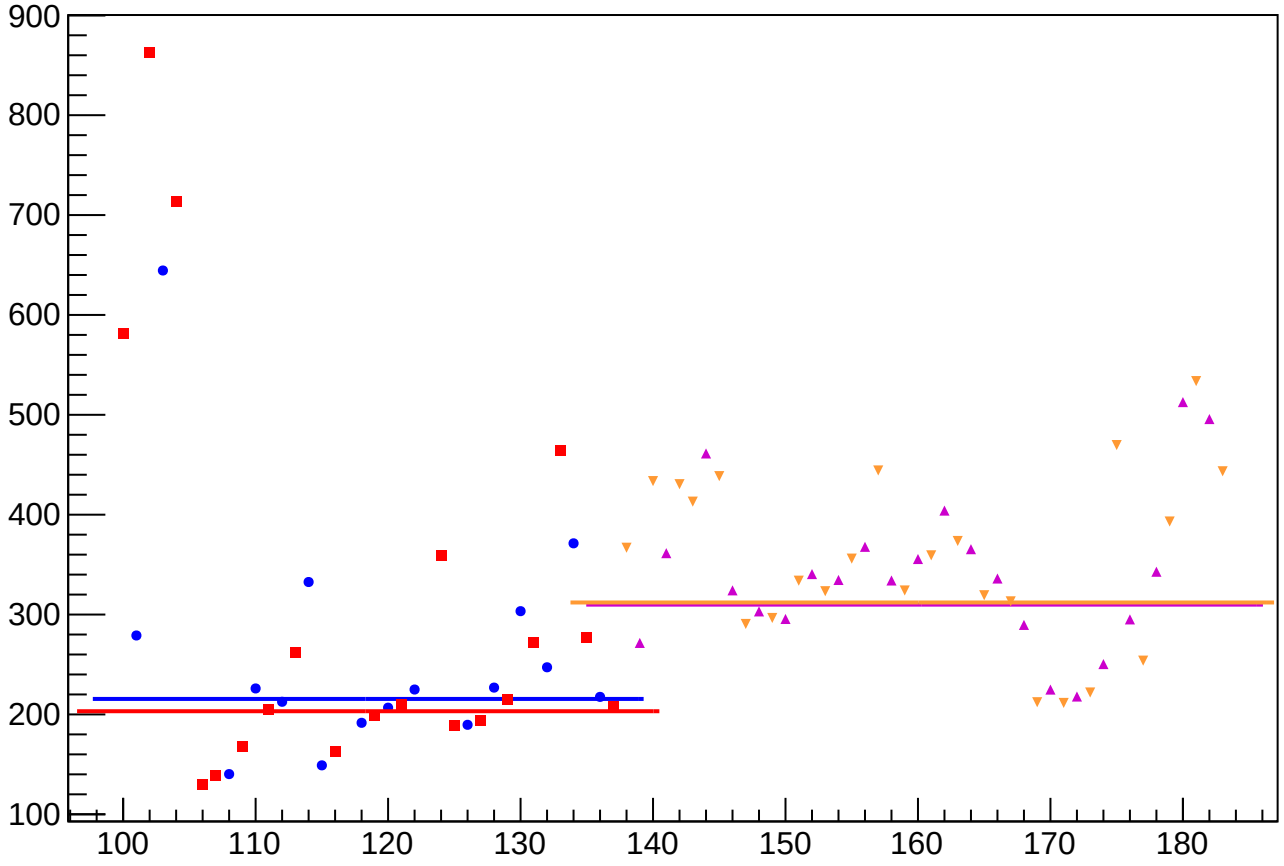
Left In: 0.106+/-0.077 χ^2/NDF:32.0/21

+ sign -0.010+/-0.057 χ^2/NDF: 36.4/39

All: -0.003+/-0.040 χ^2/NDF: 97.5/80

- sign 0.005+/-0.056 χ^2/NDF: 61.1/40

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 312.092+/-0.053 χ^2/NDF:2320356.6/23

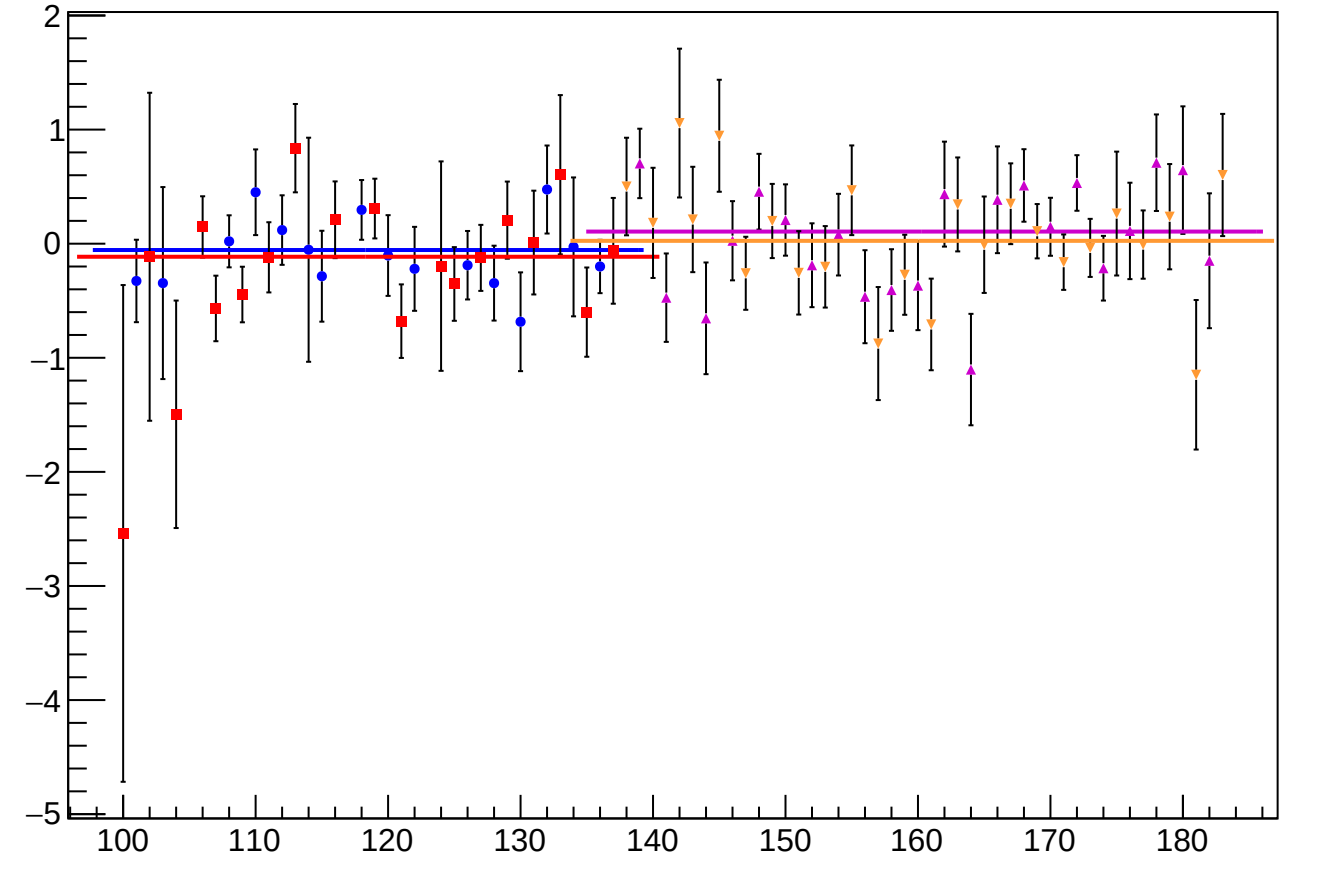
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 309.939+/-0.054 χ^2/NDF:1564253.4/21

+ sign 269.699+/-0.040 χ^2/NDF: 4901604.2/39

All: 265.311+/-0.028 χ^2/NDF: 10105675.9/80

- sign 260.963+/-0.040 χ^2/NDF: 5180163.4/40



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.025+/-0.076 χ^2/NDF:25.2/23

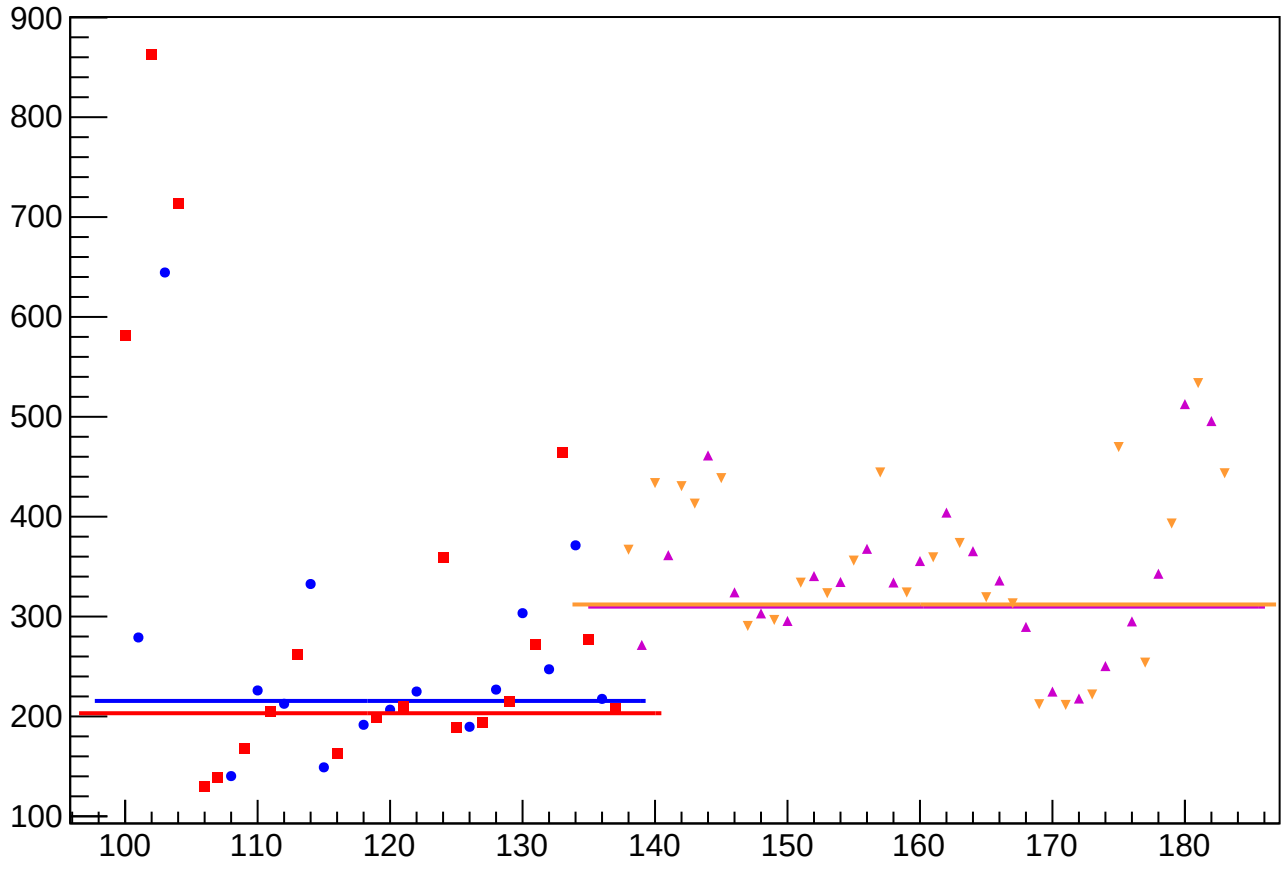
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.106+/-0.077 χ^2/NDF:32.0/21

+ sign -0.010+/-0.057 χ^2/NDF: 36.4/39

All: -0.003+/-0.040 χ^2/NDF: 97.5/80

- sign 0.005+/-0.056 χ^2/NDF: 61.1/40



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 312.092+/-0.053 χ^2/NDF:2320356.6/23

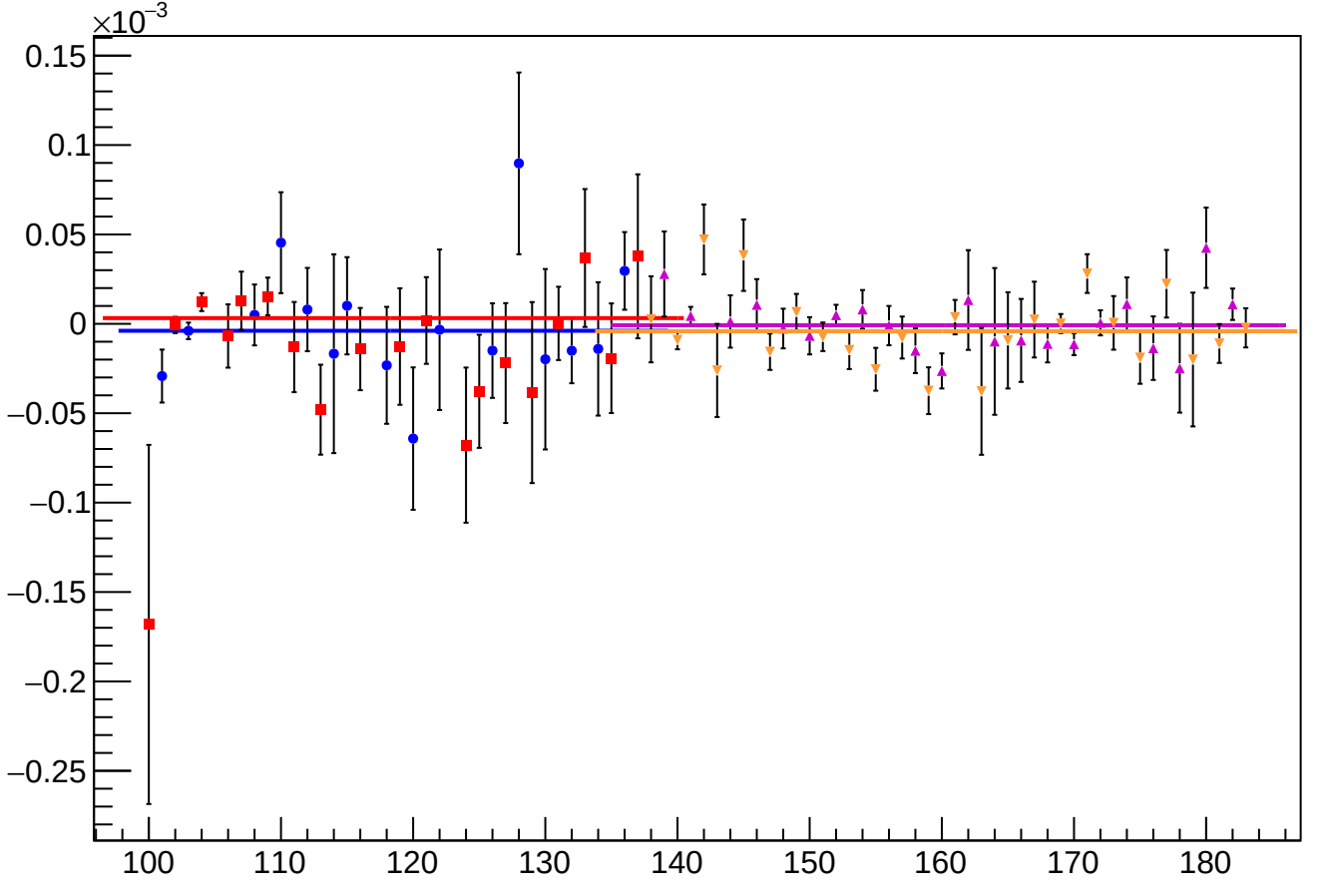
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 309.939+/-0.054 χ^2/NDF:1564253.4/21

+ sign 269.699+/-0.040 χ^2/NDF: 4901604.2/39

All: 265.311+/-0.028 χ^2/NDF: 10105675.9/80

- sign 260.963+/-0.040 χ^2/NDF: 5180163.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/23

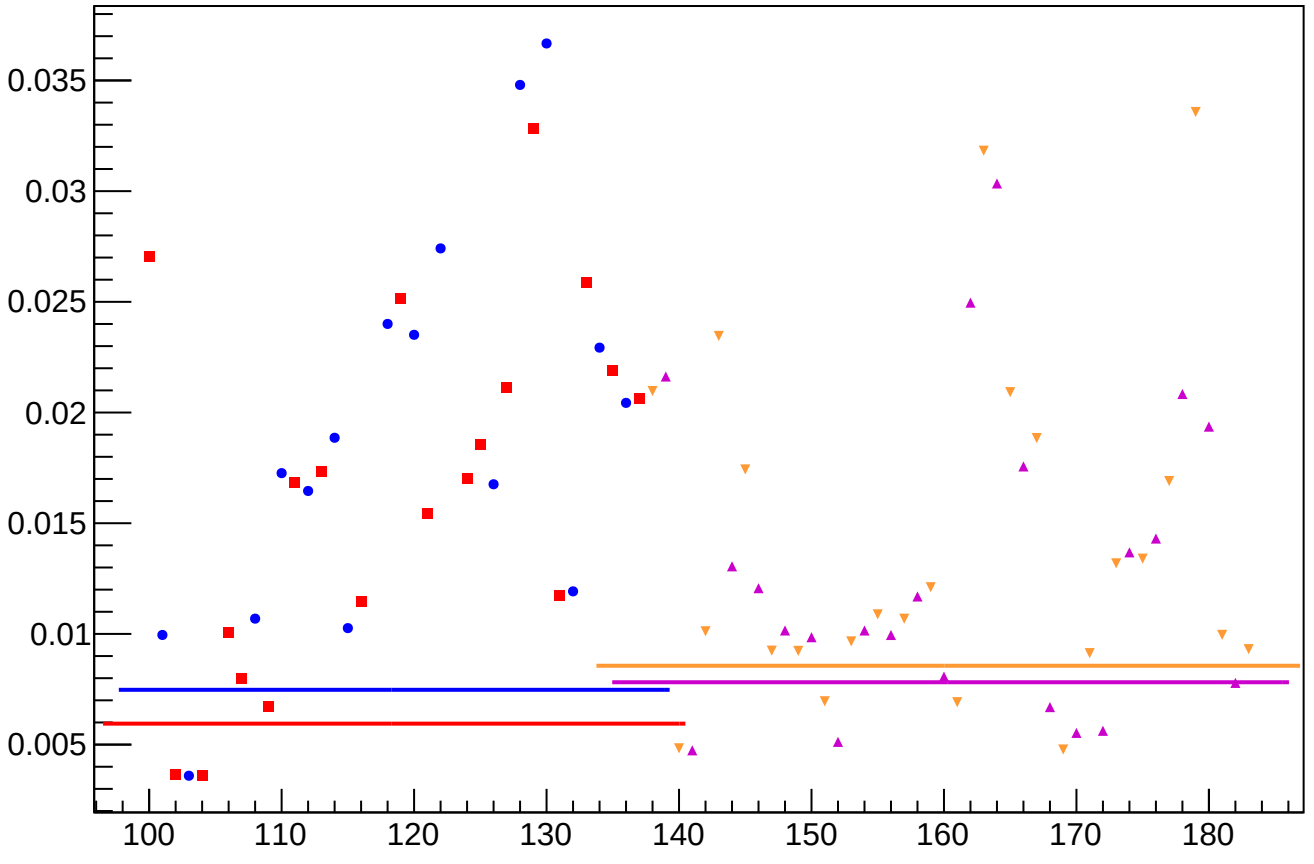
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:25.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 57.2/39

All: -0.000+/-0.000 χ^2/NDF: 108.6/80

- sign 0.000+/-0.000 χ^2/NDF: 48.1/40



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:7560631.8/23

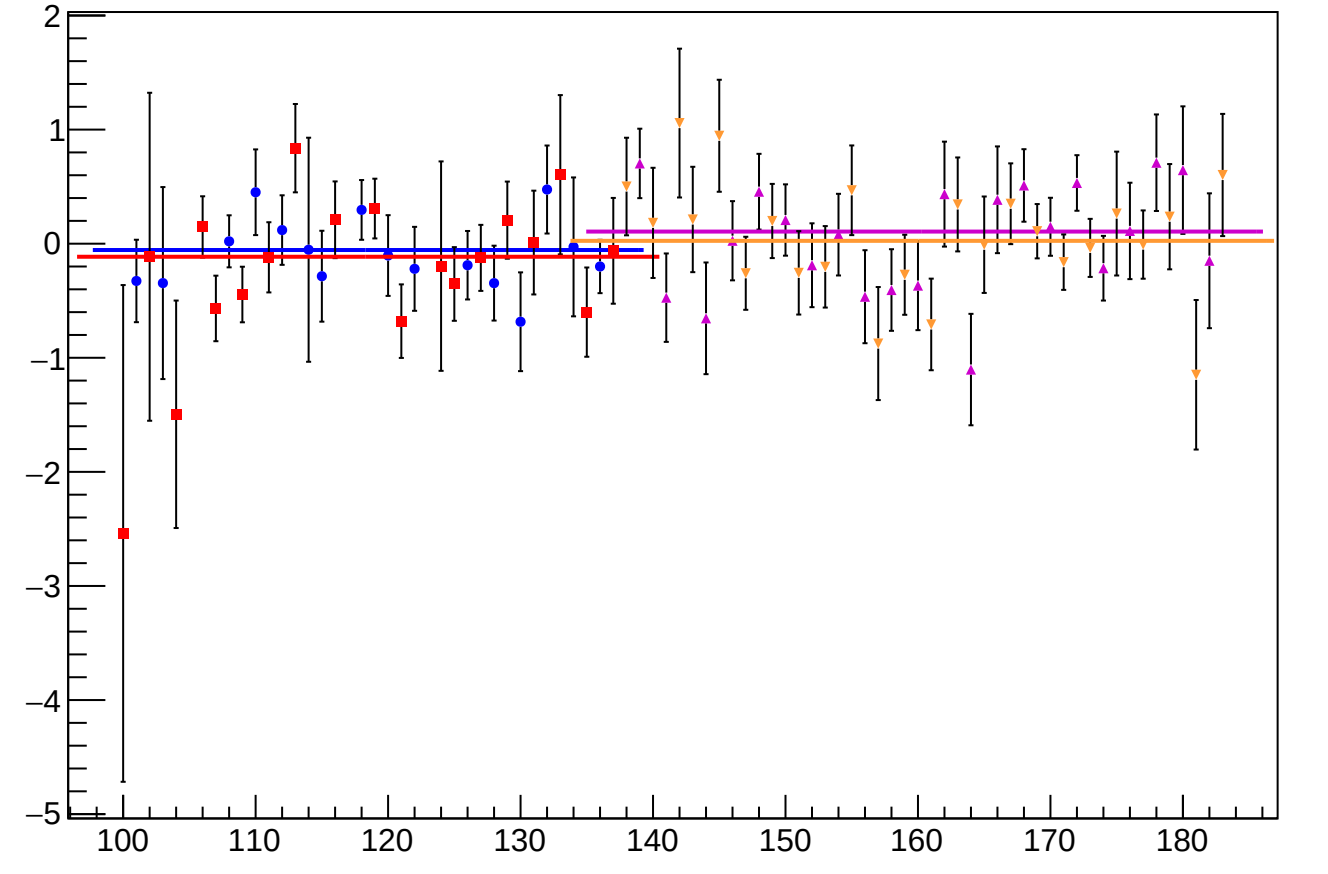
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:6669134.2/21

+ sign 0.008+/-0.000 χ^2/NDF: 13758337.7/39

All: 0.008+/-0.000 χ^2/NDF: 27274994.1/80

- sign 0.007+/-0.000 χ^2/NDF: 13139582.7/40



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.025+/-0.076 χ^2/NDF:25.2/23

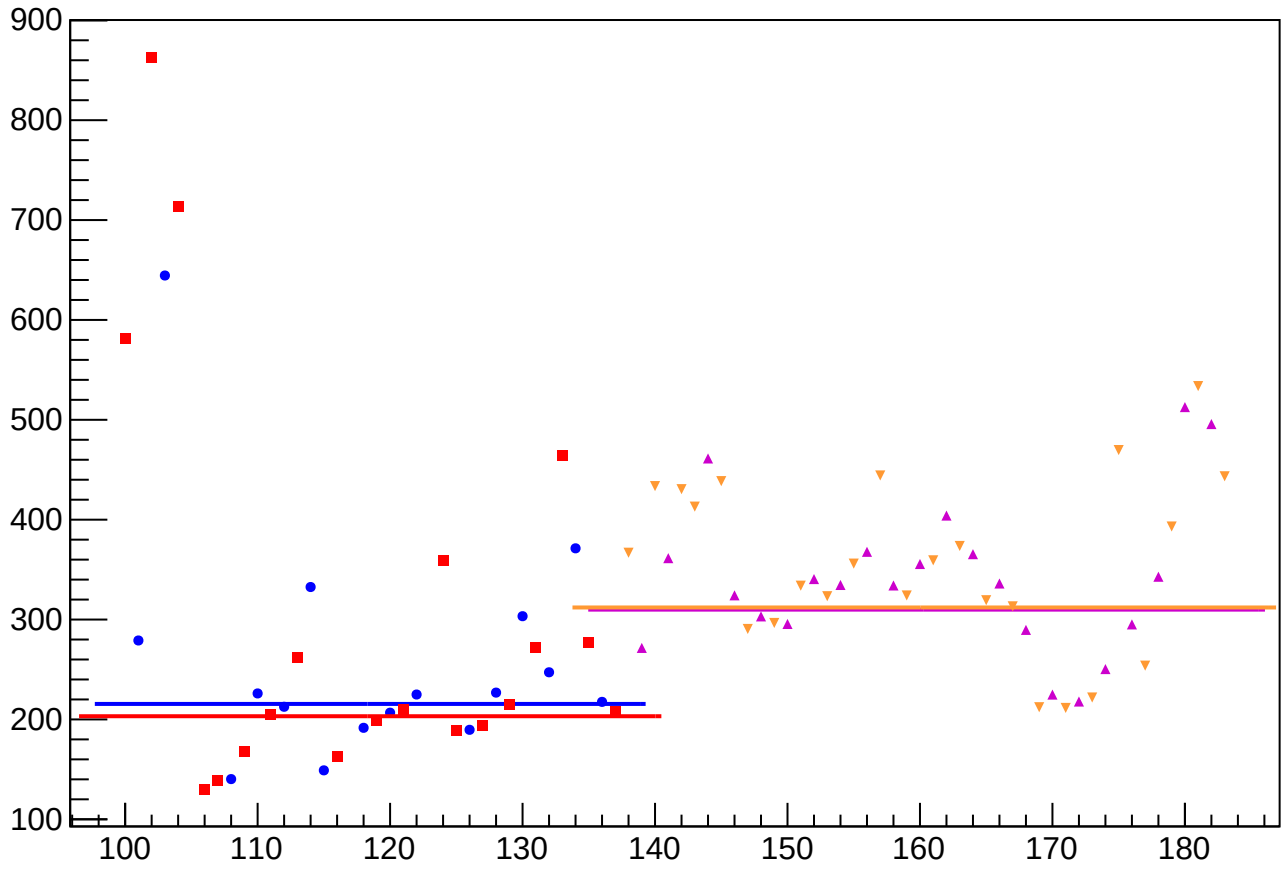
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.106+/-0.077 χ^2/NDF:32.0/21

+ sign -0.010+/-0.057 χ^2/NDF: 36.4/39

All: -0.003+/-0.040 χ^2/NDF: 97.5/80

- sign 0.005+/-0.056 χ^2/NDF: 61.1/40



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 312.095+/-0.053 χ^2/NDF:2320426.3/23

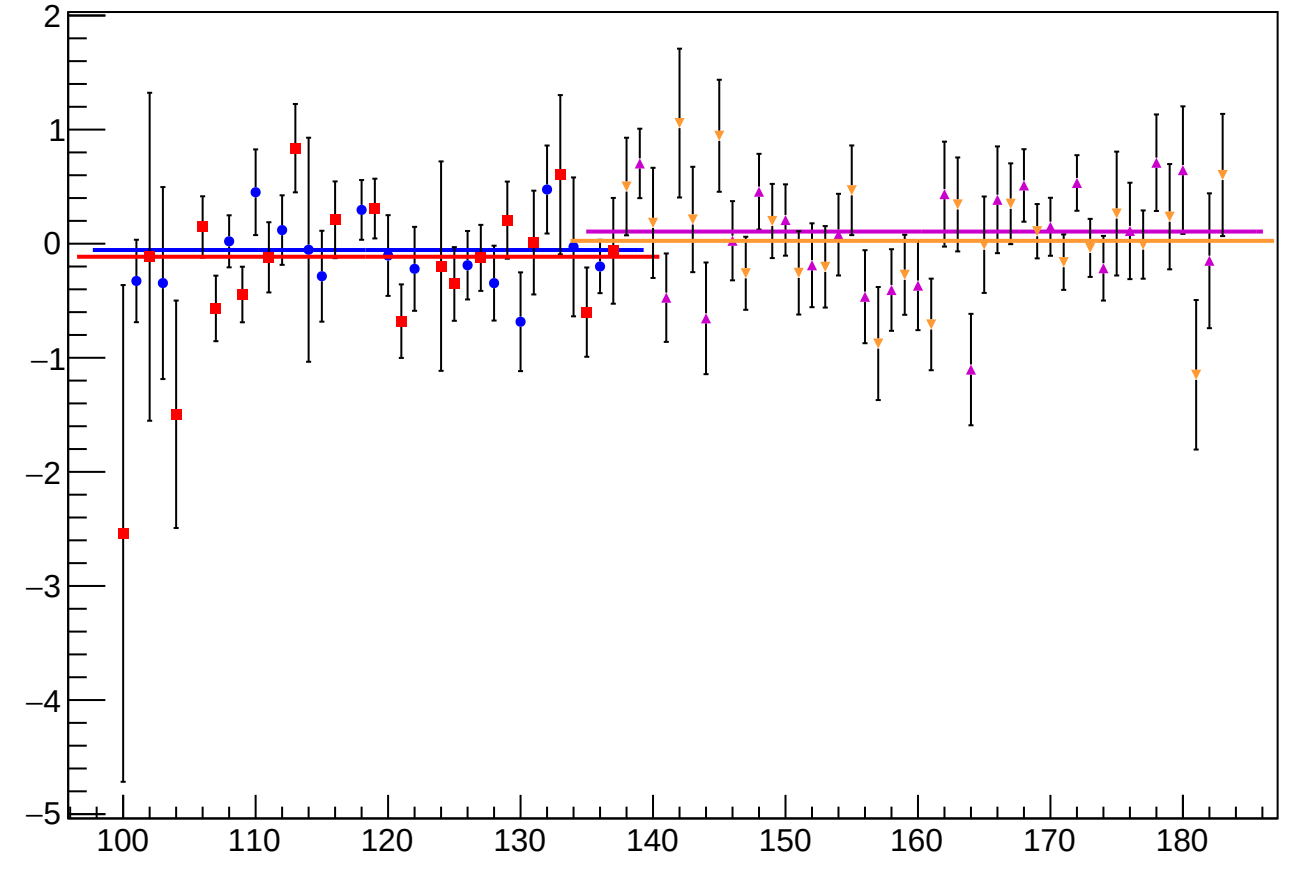
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 309.942+/-0.054 χ^2/NDF:1564287.4/21

+ sign 269.700+/-0.040 χ^2/NDF: 4901772.7/39

All: 265.312+/-0.028 χ^2/NDF: 10106022.9/80

- sign 260.963+/-0.040 χ^2/NDF: 5180340.6/40



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.025+/-0.076 χ^2/NDF:25.2/23

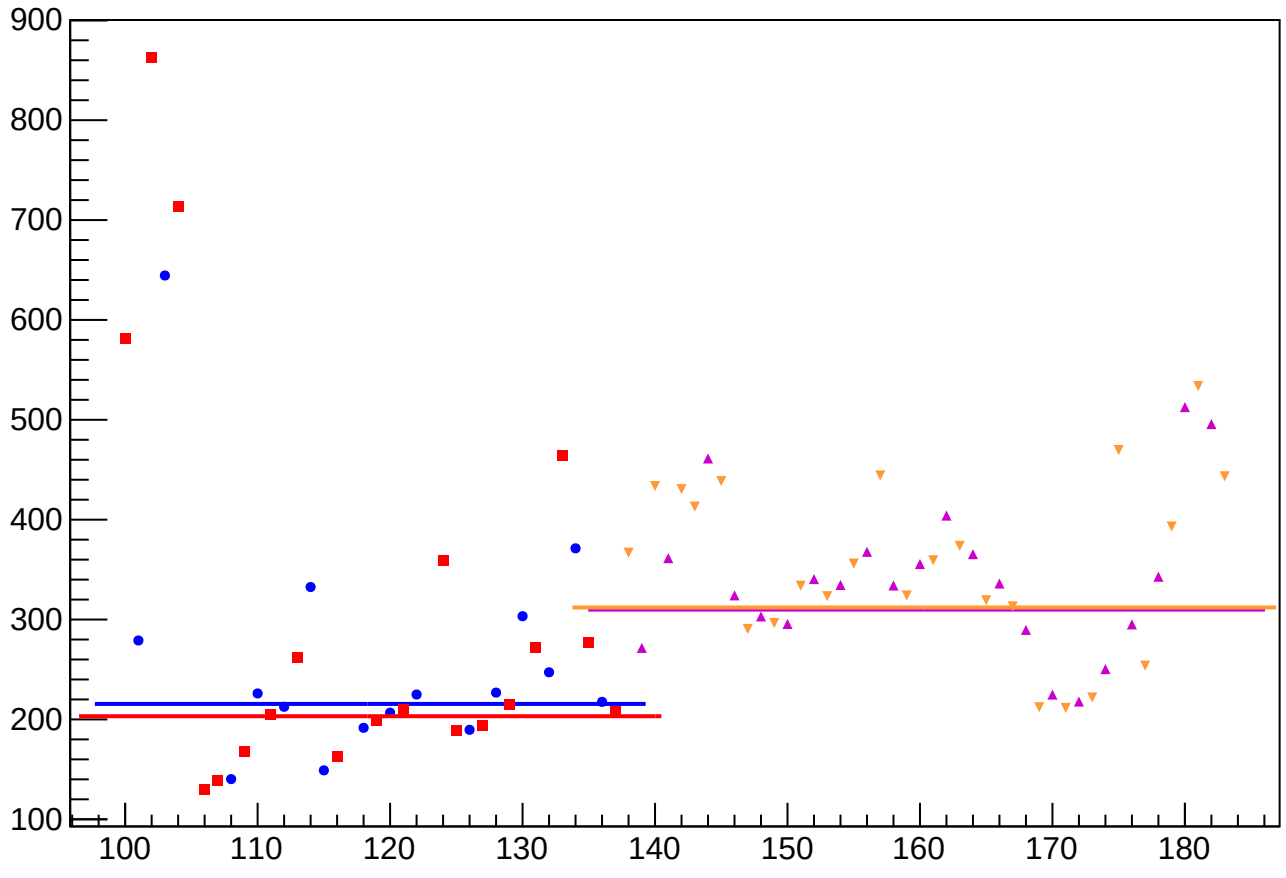
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.106+/-0.077 χ^2/NDF:32.0/21

+ sign -0.010+/-0.057 χ^2/NDF: 36.4/39

All: -0.003+/-0.040 χ^2/NDF: 97.5/80

- sign 0.005+/-0.056 χ^2/NDF: 61.1/40



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 312.095+/-0.053 χ^2/NDF:2320426.3/23

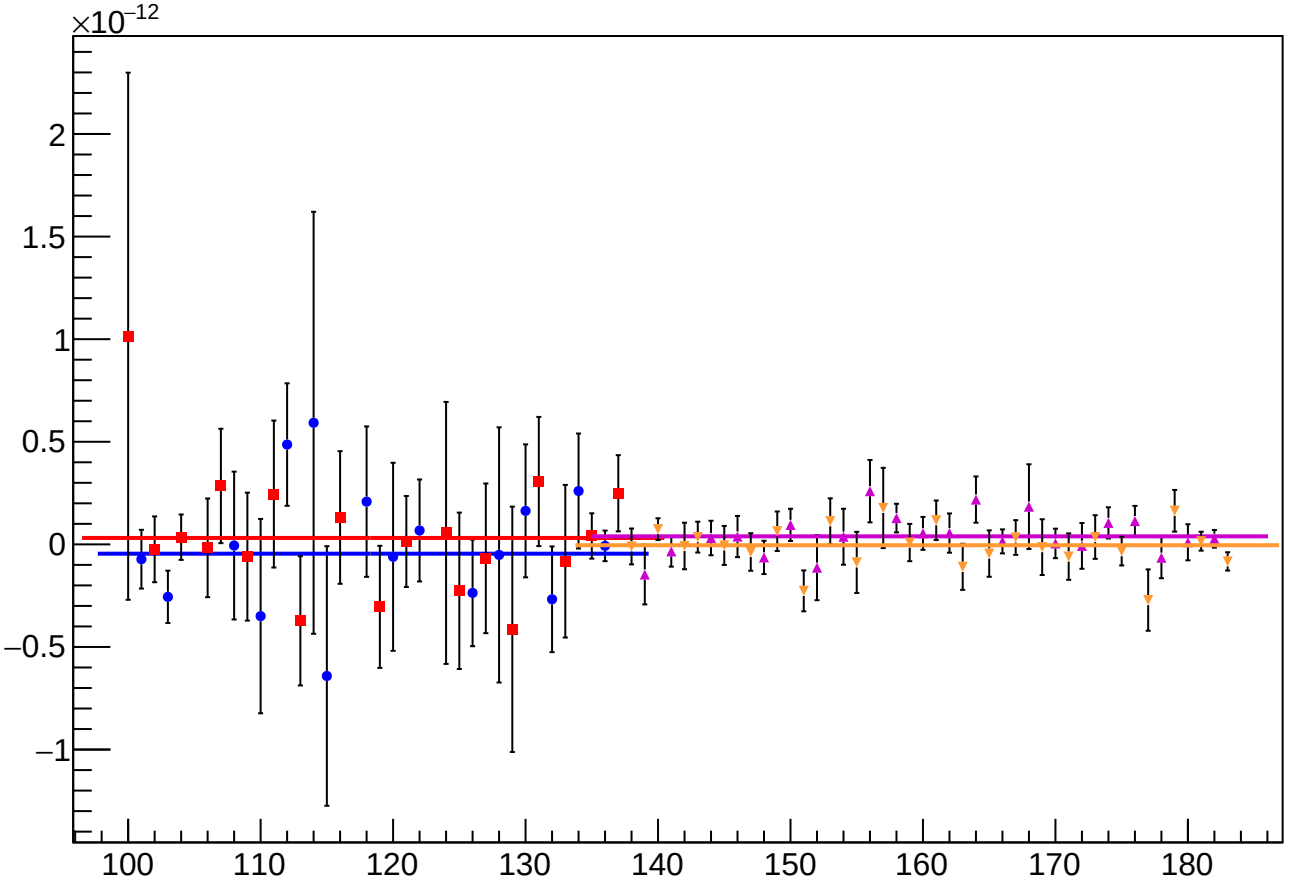
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 309.942+/-0.054 χ^2/NDF:1564287.4/21

+ sign 269.700+/-0.040 χ^2/NDF: 4901772.7/39

All: 265.312+/-0.028 χ^2/NDF: 10106022.9/80

- sign 260.963+/-0.040 χ^2/NDF: 5180340.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.0/23

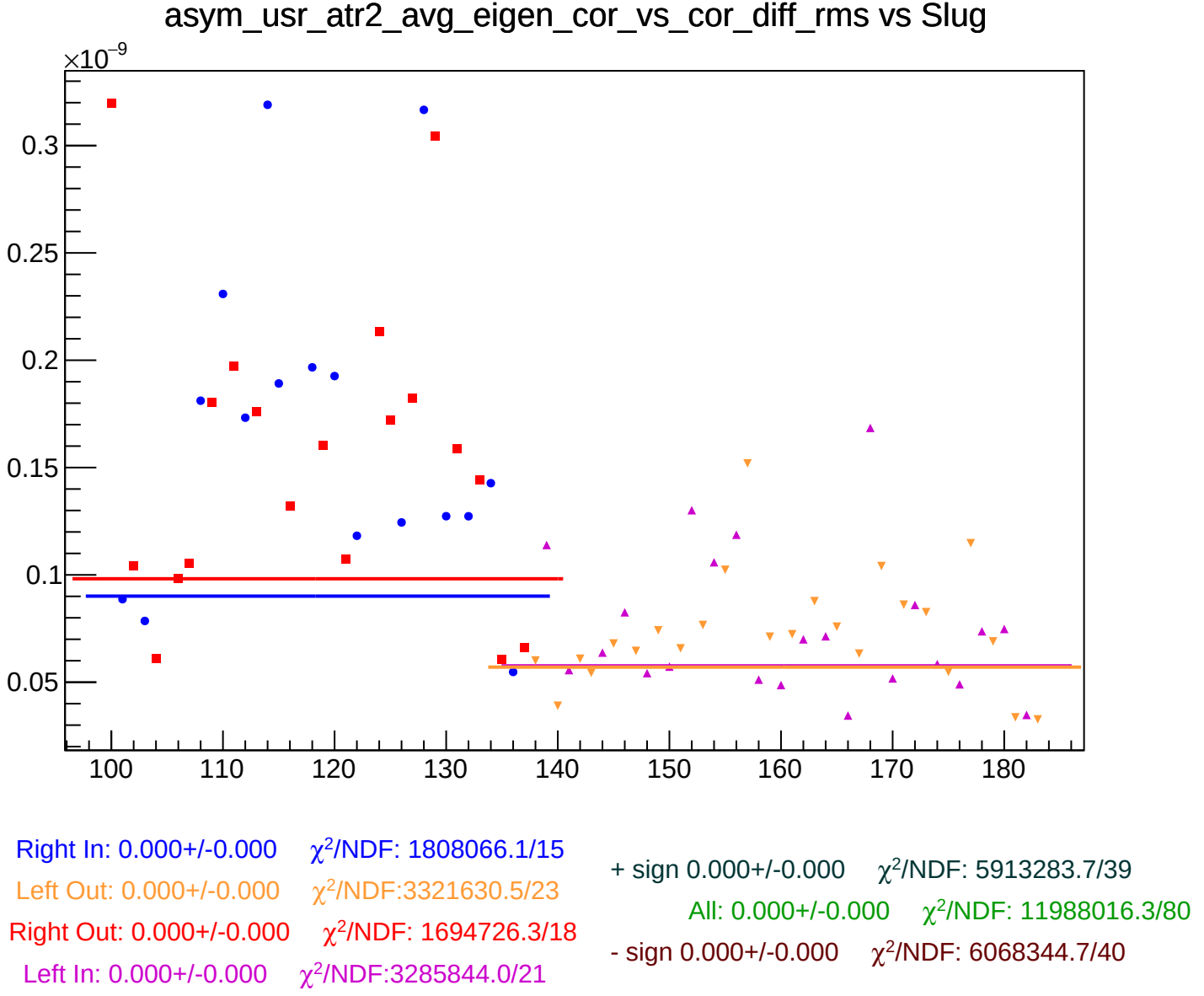
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.1/21

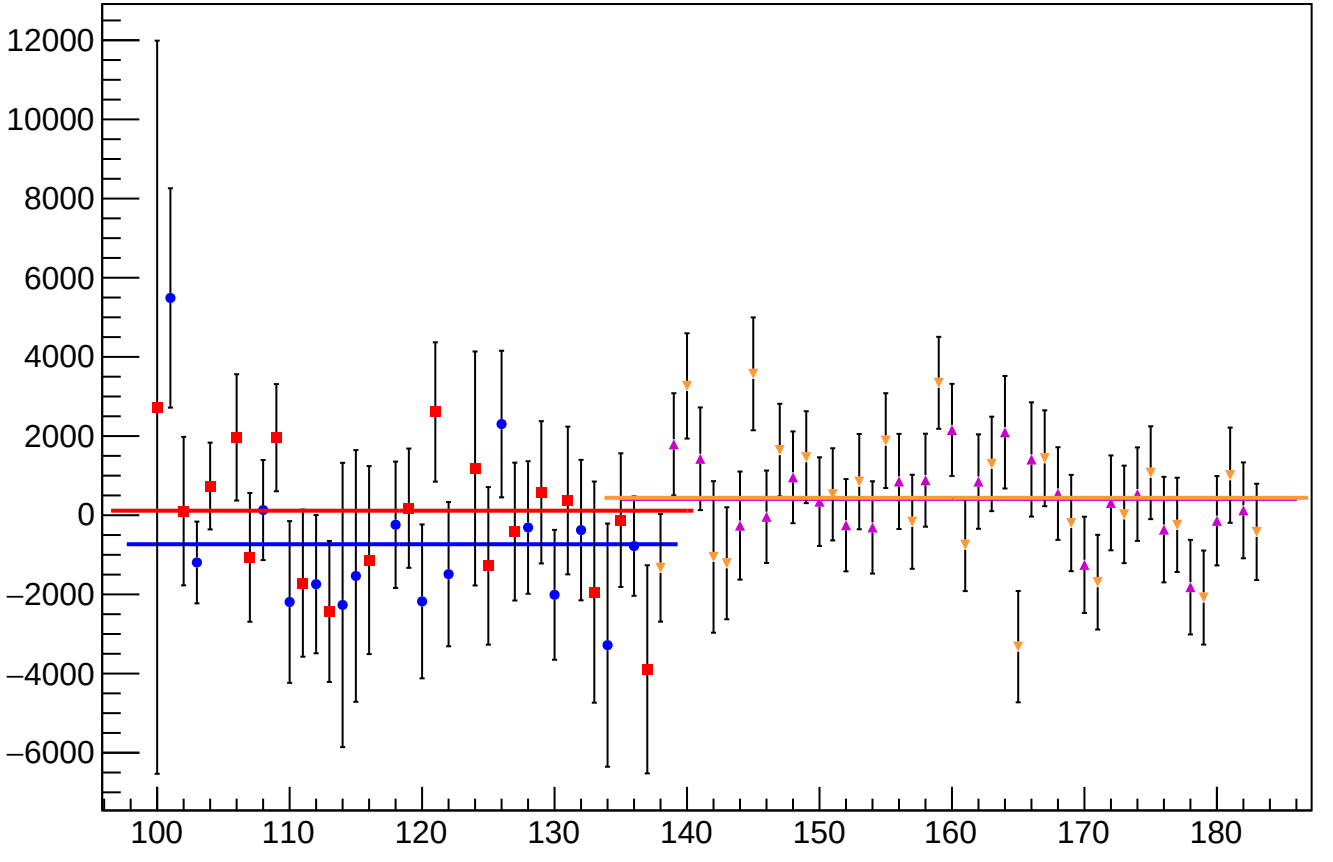
+ sign -0.000+/-0.000 χ^2/NDF: 35.0/39

All: 0.000+/-0.000 χ^2/NDF: 63.5/80

- sign 0.000+/-0.000 χ^2/NDF: 24.4/40


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1808066.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3321630.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1694726.3/18
Left In: 0.000+/-0.000 χ²/NDF:3285844.0/21
+ sign 0.000+/-0.000 χ²/NDF: 5913283.7/39
All: 0.000+/-0.000 χ²/NDF: 11988016.3/80
- sign 0.000+/-0.000 χ²/NDF: 6068344.7/40

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 440.225+/-253.377 χ^2/NDF:41.7/23

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

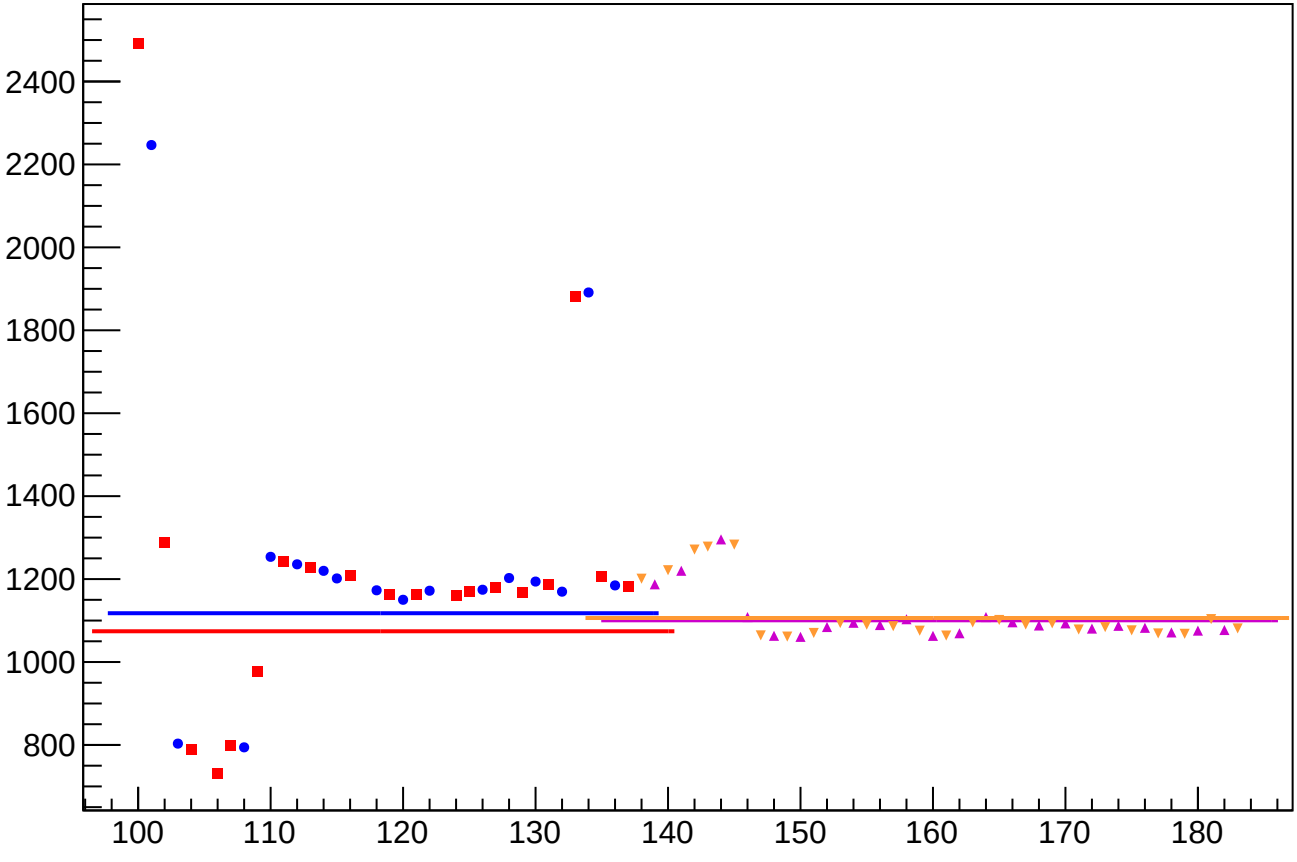
Left In: 411.425+/-259.381 χ^2/NDF:13.7/21

+ sign 135.171+/-217.953 χ^2/NDF: 59.0/39

All: 230.509+/-154.631 χ^2/NDF: 86.5/80

- sign 327.132+/-219.418 χ^2/NDF: 27.1/40

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1106.139+/-0.179 χ^2/NDF:121199.5/23

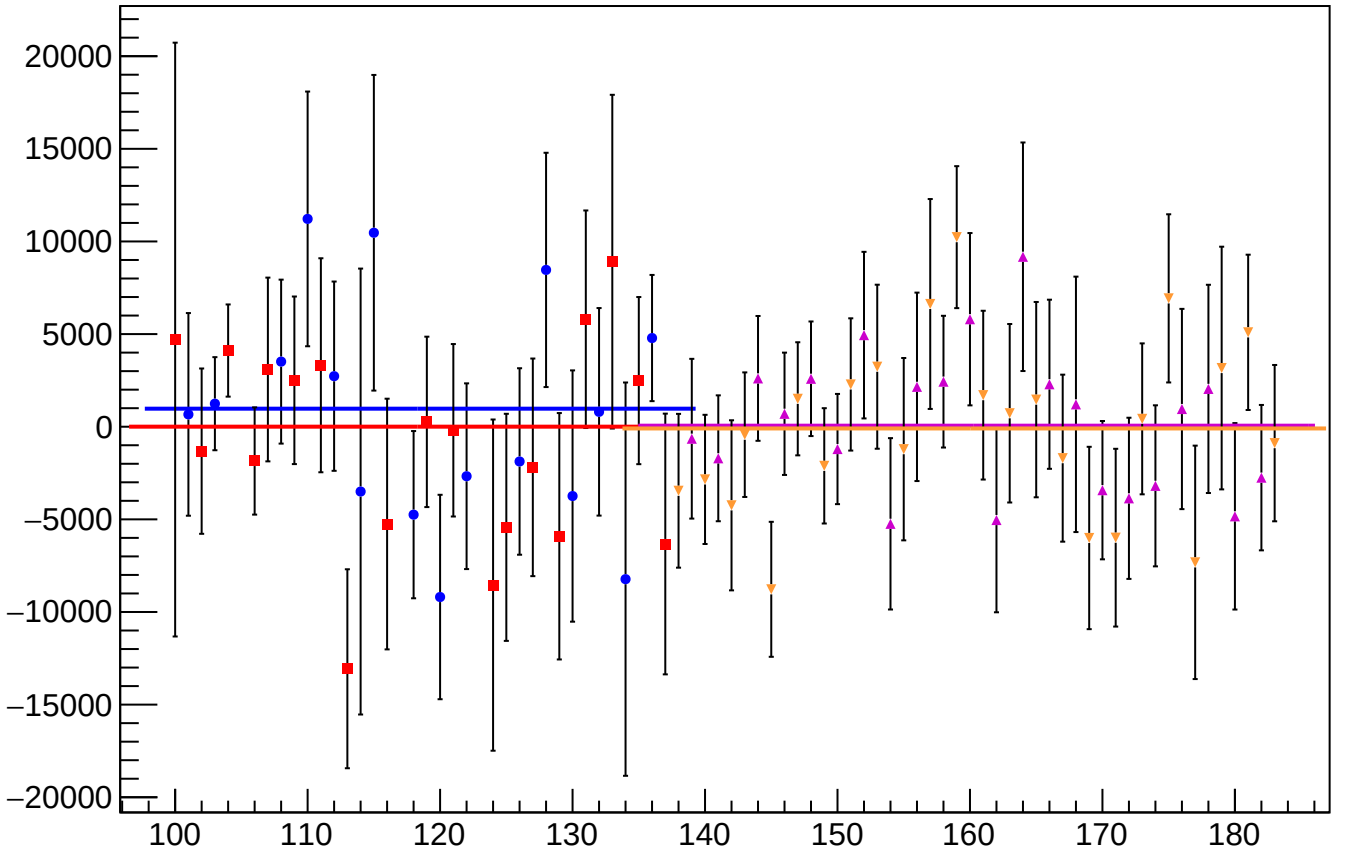
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1100.617+/-0.183 χ^2/NDF:80113.7/21

+ sign 1109.142+/-0.154 χ^2/NDF: 942114.4/39

All: 1101.105+/-0.109 χ^2/NDF: 1683192.2/80

- sign 1092.999+/-0.155 χ^2/NDF: 735616.3/40



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -93.791+/-856.260 χ^2/NDF:27.1/23

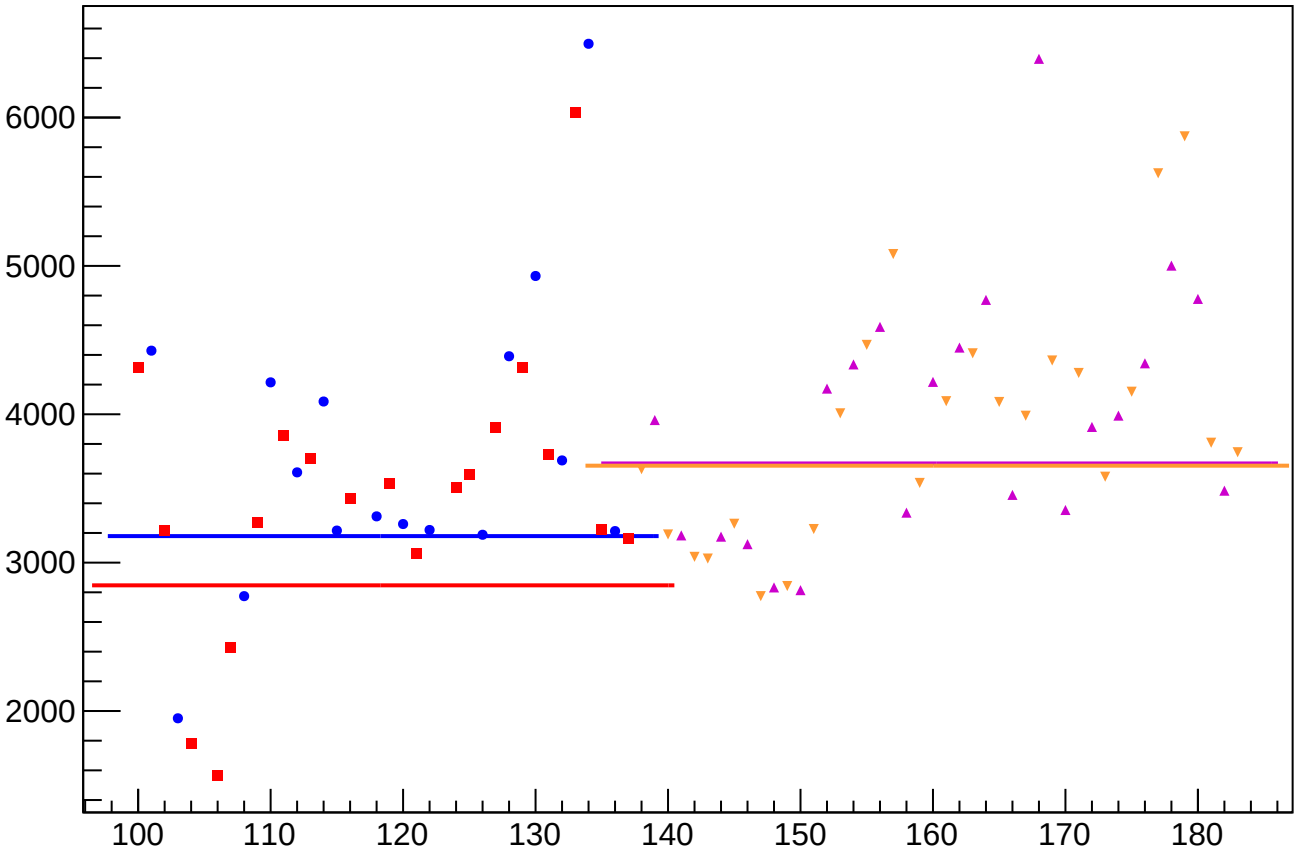
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 56.187+/-883.316 χ^2/NDF:13.7/21

\+ sign 253.635+/-703.258 χ^2/NDF: 41.4/39

All: 142.881+/-493.291 χ^2/NDF: 71.8/80

\- sign 35.609+/-692.112 χ^2/NDF: 30.3/40



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3653.502+/-0.605 χ^2/NDF:1311664.9/23

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

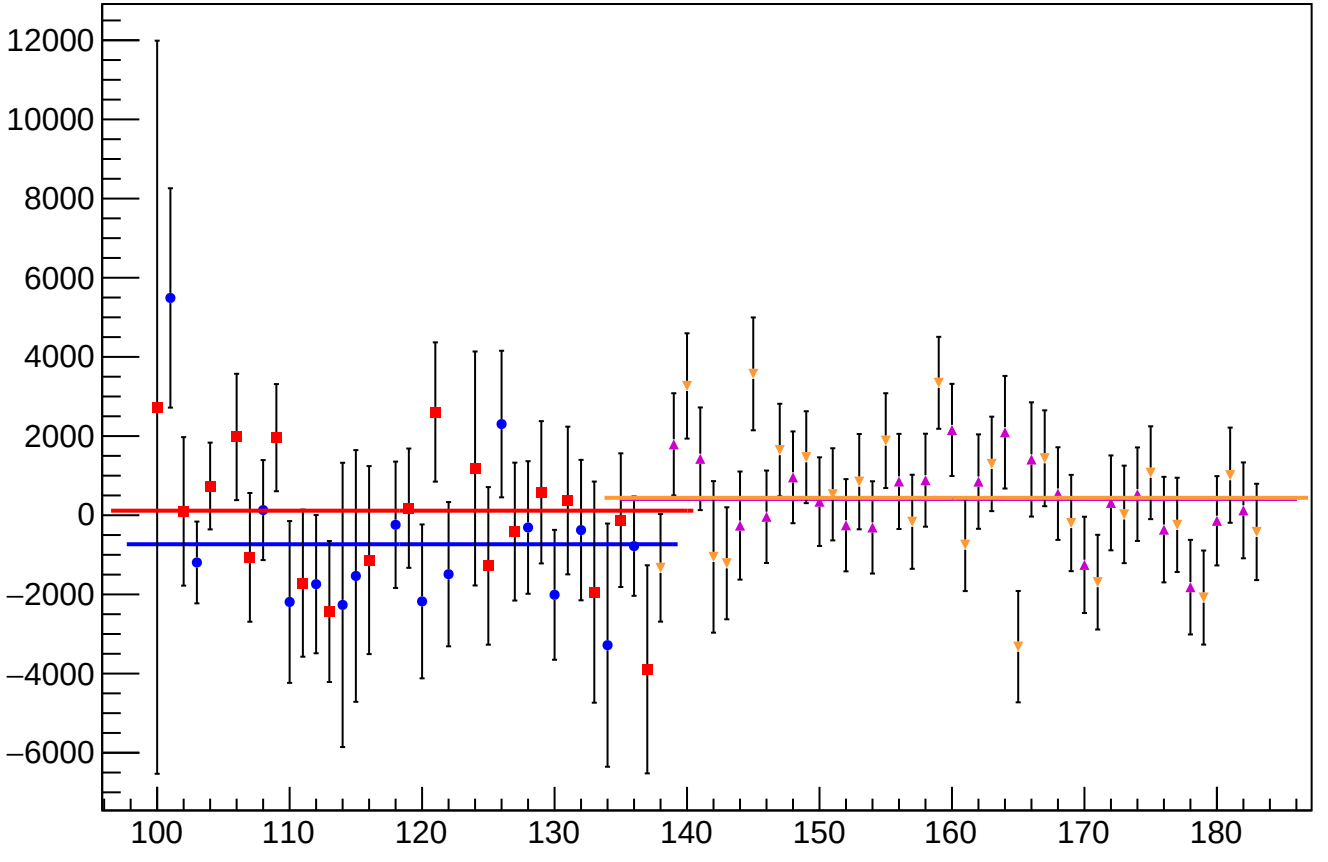
Left In: 3668.512+/-0.625 χ^2/NDF:1342900.6/21

+ sign 3499.036+/-0.497 χ^2/NDF: 2603332.6/39

All: 3424.018+/-0.349 χ^2/NDF: 6170032.7/80

- sign 3351.359+/-0.489 χ^2/NDF: 3521900.0/40

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 440.291+/-253.377 χ^2/NDF:41.7/23

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

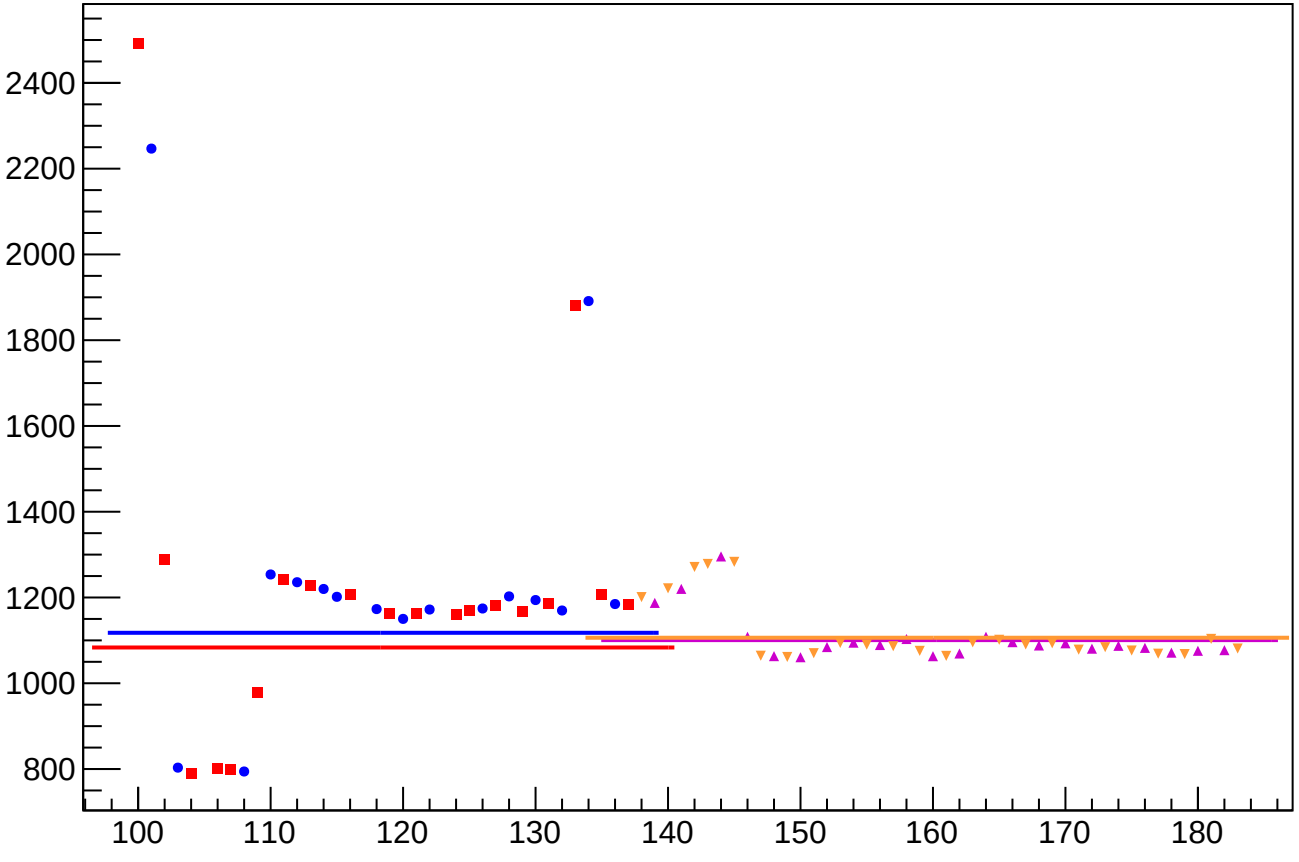
Left In: 411.342+/-259.381 χ^2/NDF:13.7/21

+ sign 135.237+/-217.953 χ^2/NDF: 59.0/39

All: 230.550+/-154.632 χ^2/NDF: 86.5/80

- sign 327.149+/-219.419 χ^2/NDF: 27.2/40

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1106.139+/-0.179 χ^2/NDF:121199.5/23

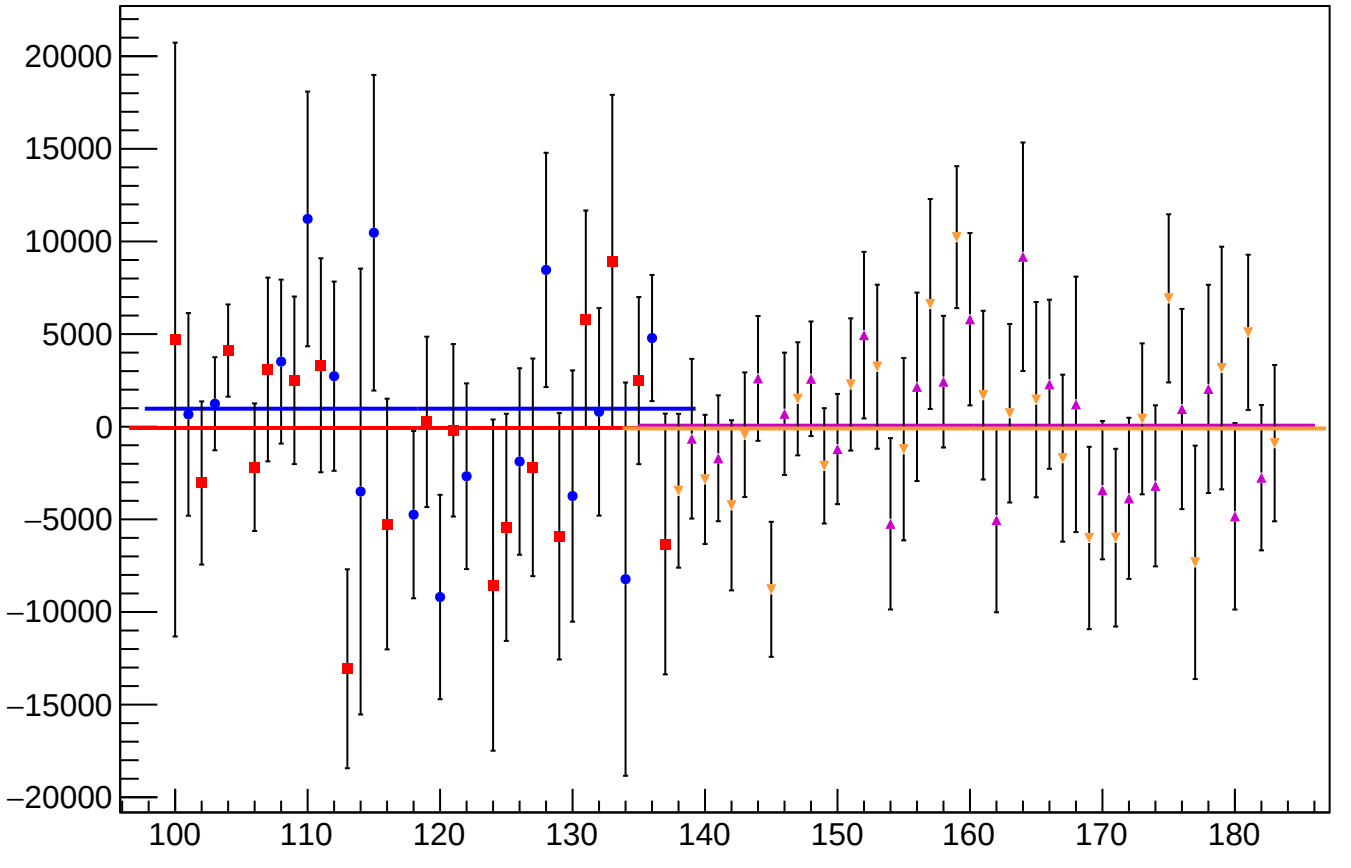
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1100.617+/-0.183 χ^2/NDF:80113.6/21

+ sign 1109.142+/-0.154 χ^2/NDF: 942111.0/39

All: 1102.469+/-0.109 χ^2/NDF: 1623521.0/80

- sign 1095.713+/-0.155 χ^2/NDF: 677637.2/40



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -93.789+/-856.259 χ^2/NDF:27.1/23

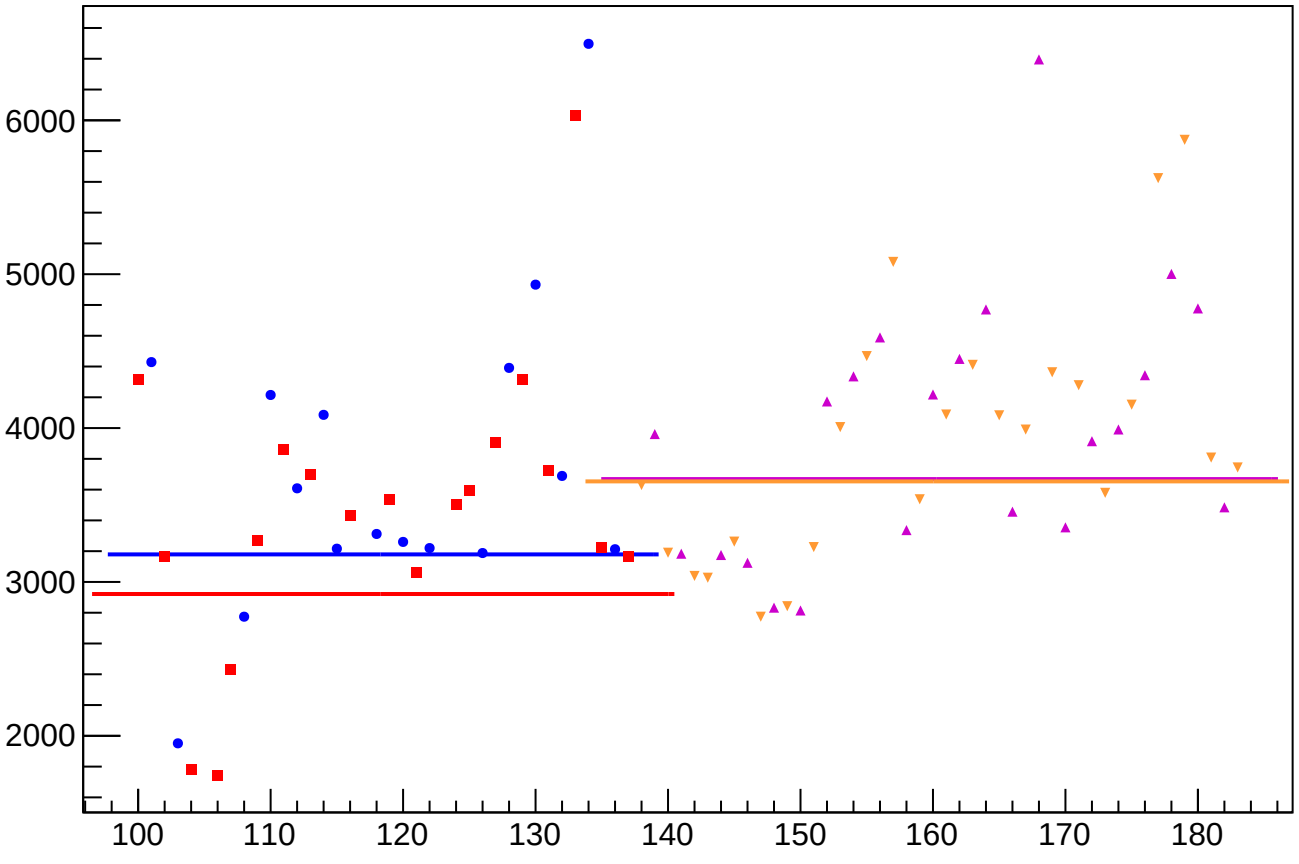
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 56.147+/-883.316 χ^2/NDF:13.7/21

+ sign 253.455+/-703.266 χ^2/NDF: 41.4/39

All: 130.669+/-495.325 χ^2/NDF: 72.2/80

- sign 9.799+/-697.755 χ^2/NDF: 30.7/40



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3653.499+/-0.605 χ^2/NDF:1311672.5/23

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

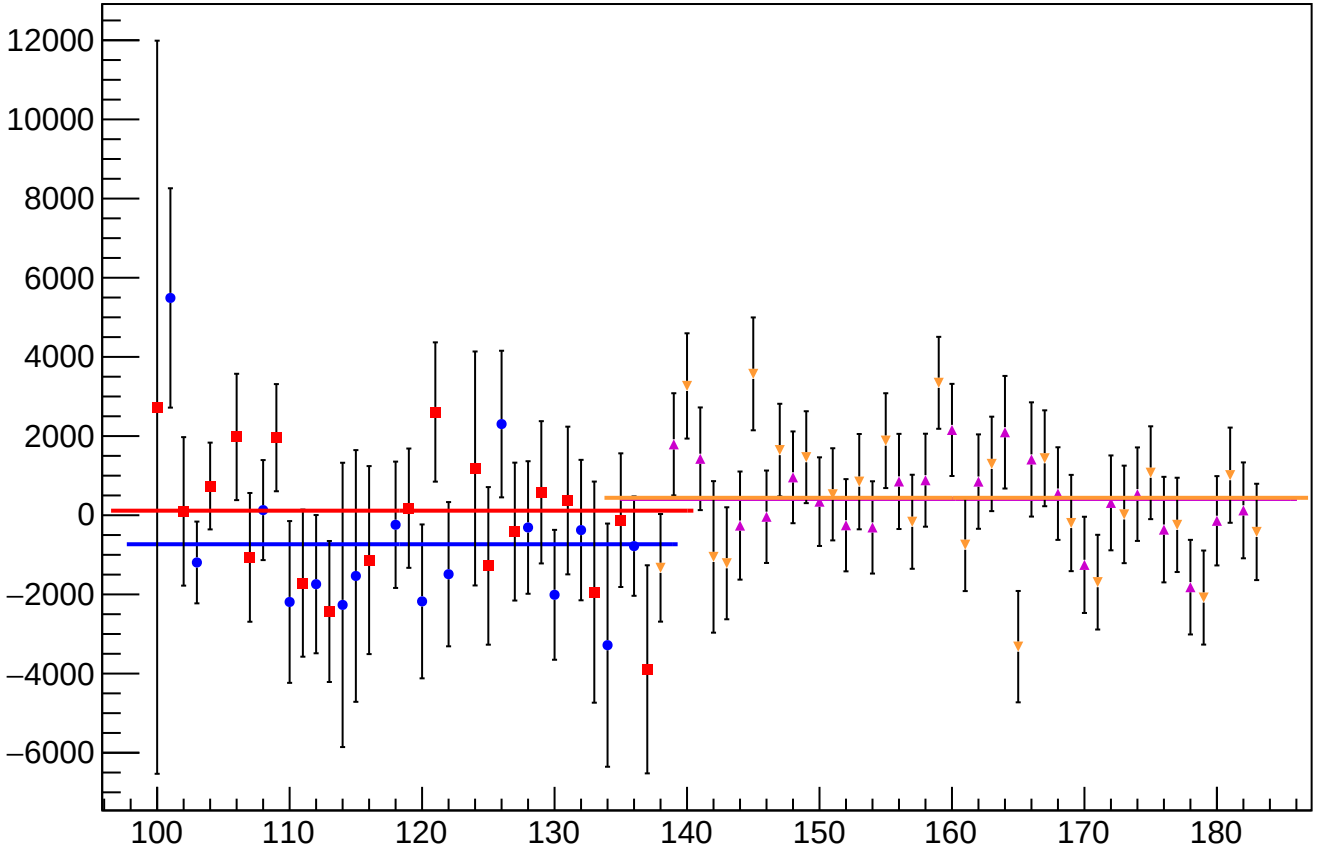
Left In: 3668.510+/-0.625 χ^2/NDF:1342902.1/21

+ sign 3499.103+/-0.497 χ^2/NDF: 2602731.6/39

All: 3442.951+/-0.350 χ^2/NDF: 5821464.3/80

- sign 3387.676+/-0.493 χ^2/NDF: 3193431.6/40

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 440.291+/-253.377 χ^2/NDF:41.7/23

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

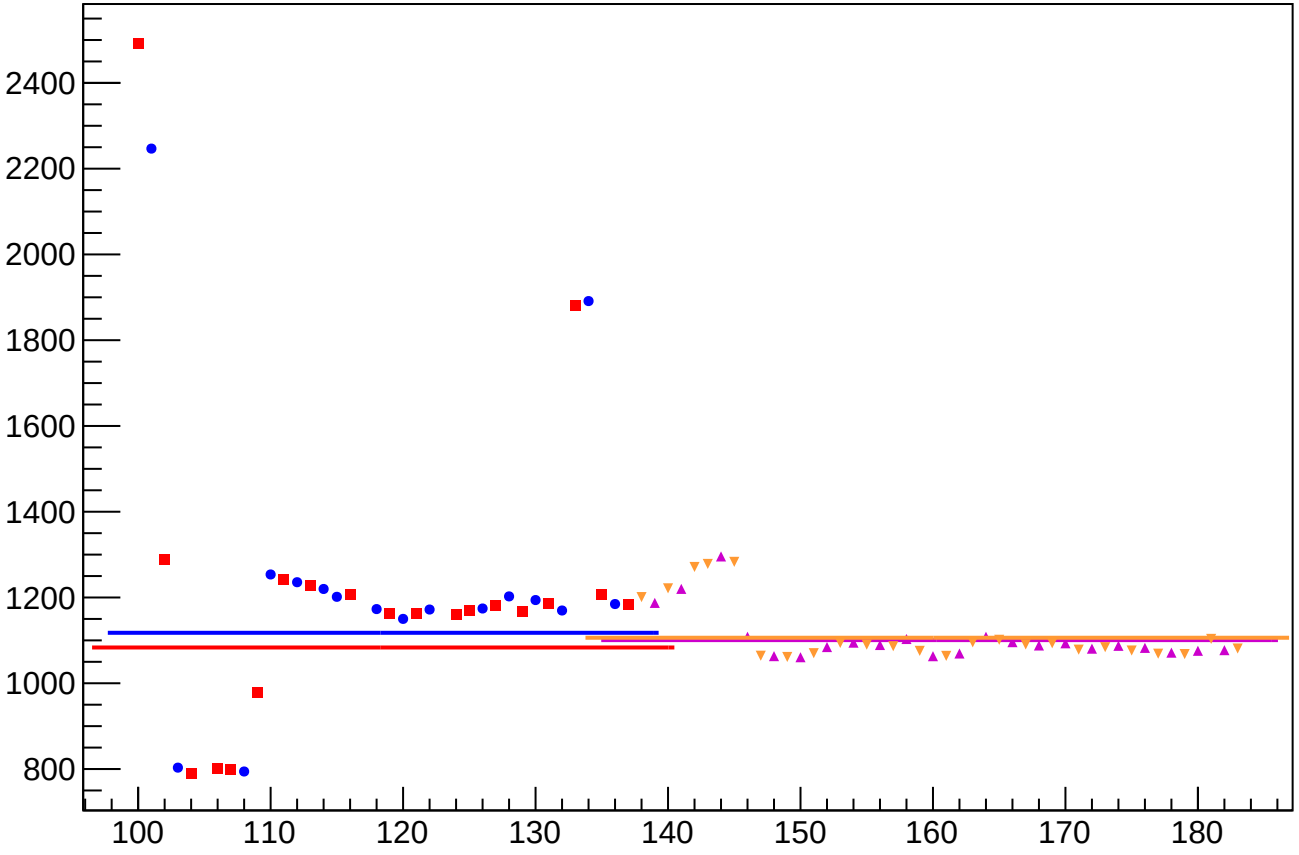
Left In: 411.342+/-259.381 χ^2/NDF:13.7/21

+ sign 135.237+/-217.953 χ^2/NDF: 59.0/39

All: 230.550+/-154.632 χ^2/NDF: 86.5/80

- sign 327.149+/-219.419 χ^2/NDF: 27.2/40

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1106.139+/-0.179 χ^2/NDF:121199.5/23

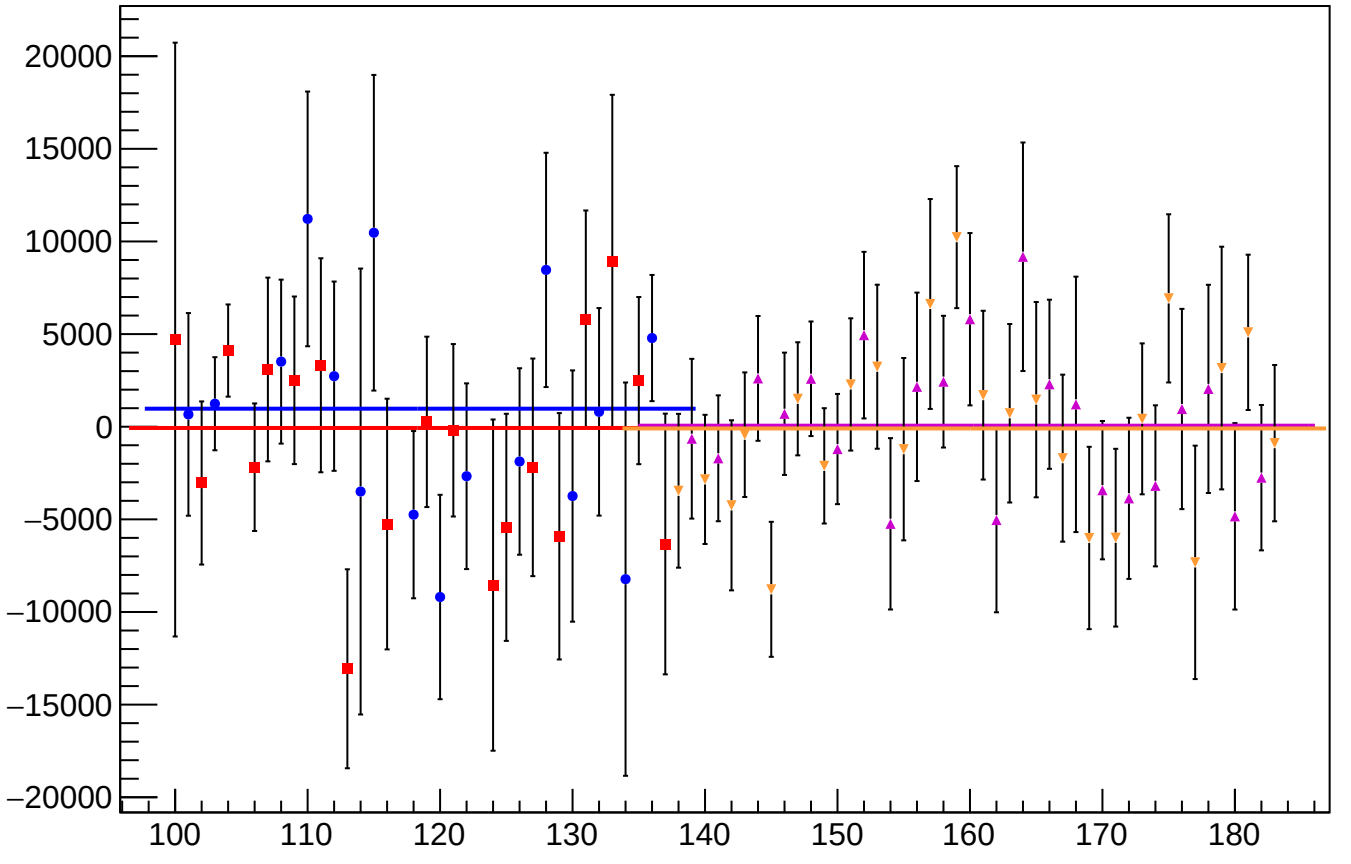
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1100.617+/-0.183 χ^2/NDF:80113.6/21

+ sign 1109.142+/-0.154 χ^2/NDF: 942111.0/39

All: 1102.469+/-0.109 χ^2/NDF: 1623521.0/80

- sign 1095.713+/-0.155 χ^2/NDF: 677637.2/40



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -93.789+/-856.259 χ^2/NDF:27.1/23

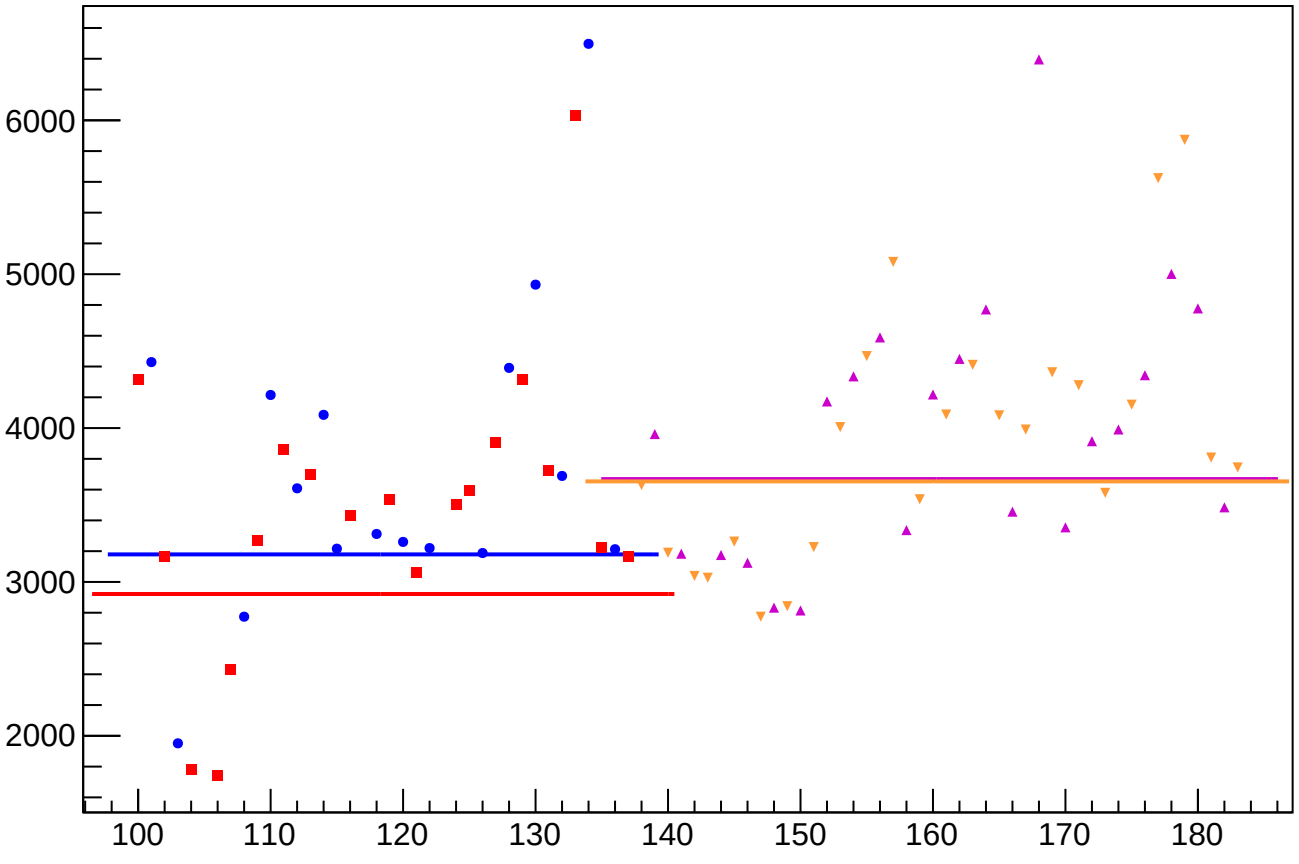
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 56.147+/-883.316 χ^2/NDF:13.7/21

+ sign 253.455+/-703.266 χ^2/NDF: 41.4/39

All: 130.669+/-495.325 χ^2/NDF: 72.2/80

- sign 9.799+/-697.755 χ^2/NDF: 30.7/40



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3653.499+/-0.605 χ^2/NDF:1311672.5/23

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

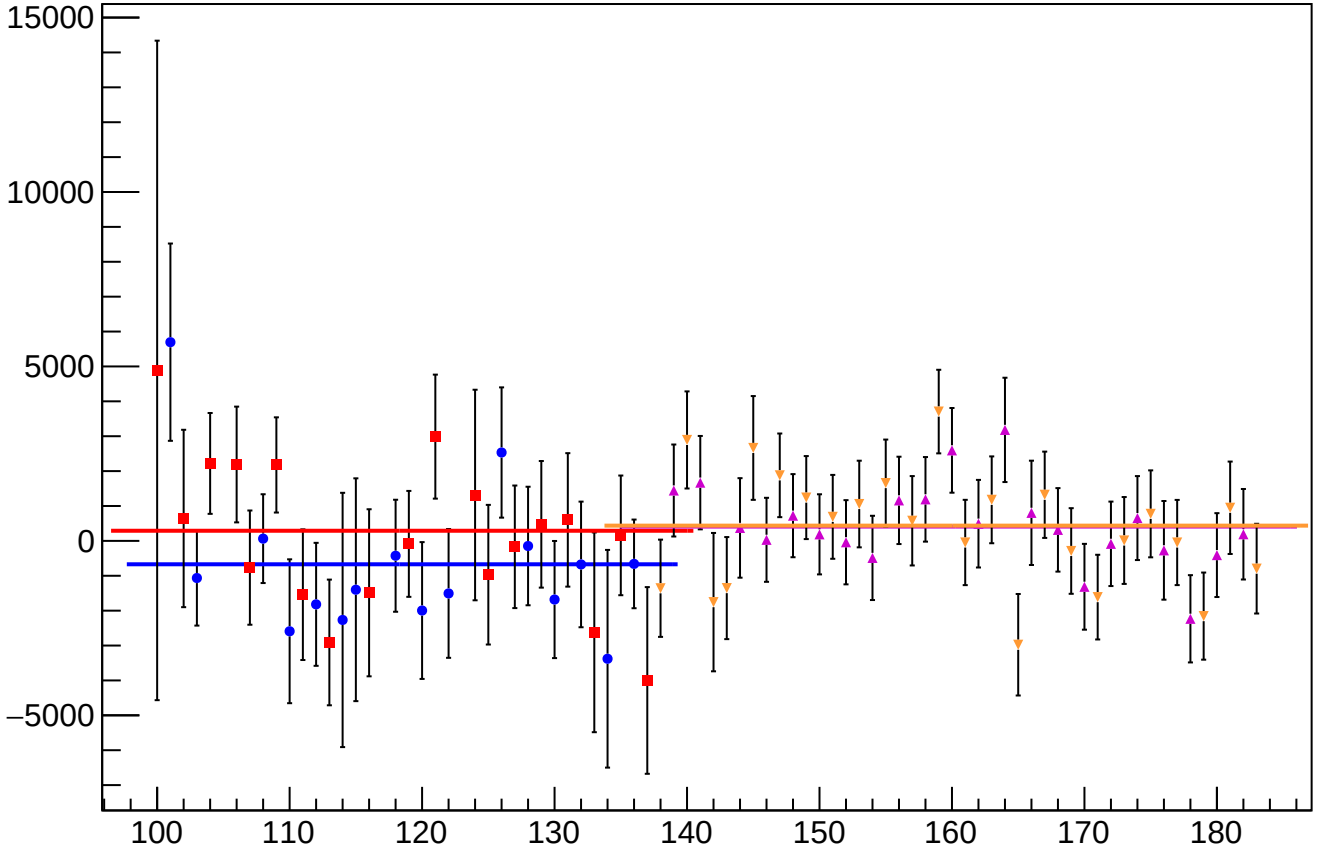
Left In: 3668.510+/-0.625 χ^2/NDF:1342902.1/21

+ sign 3499.103+/-0.497 χ^2/NDF: 2602731.6/39

All: 3442.951+/-0.350 χ^2/NDF: 5821464.3/80

- sign 3387.676+/-0.493 χ^2/NDF: 3193431.6/40

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 436.925+/-263.000 χ^2/NDF:35.8/23

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

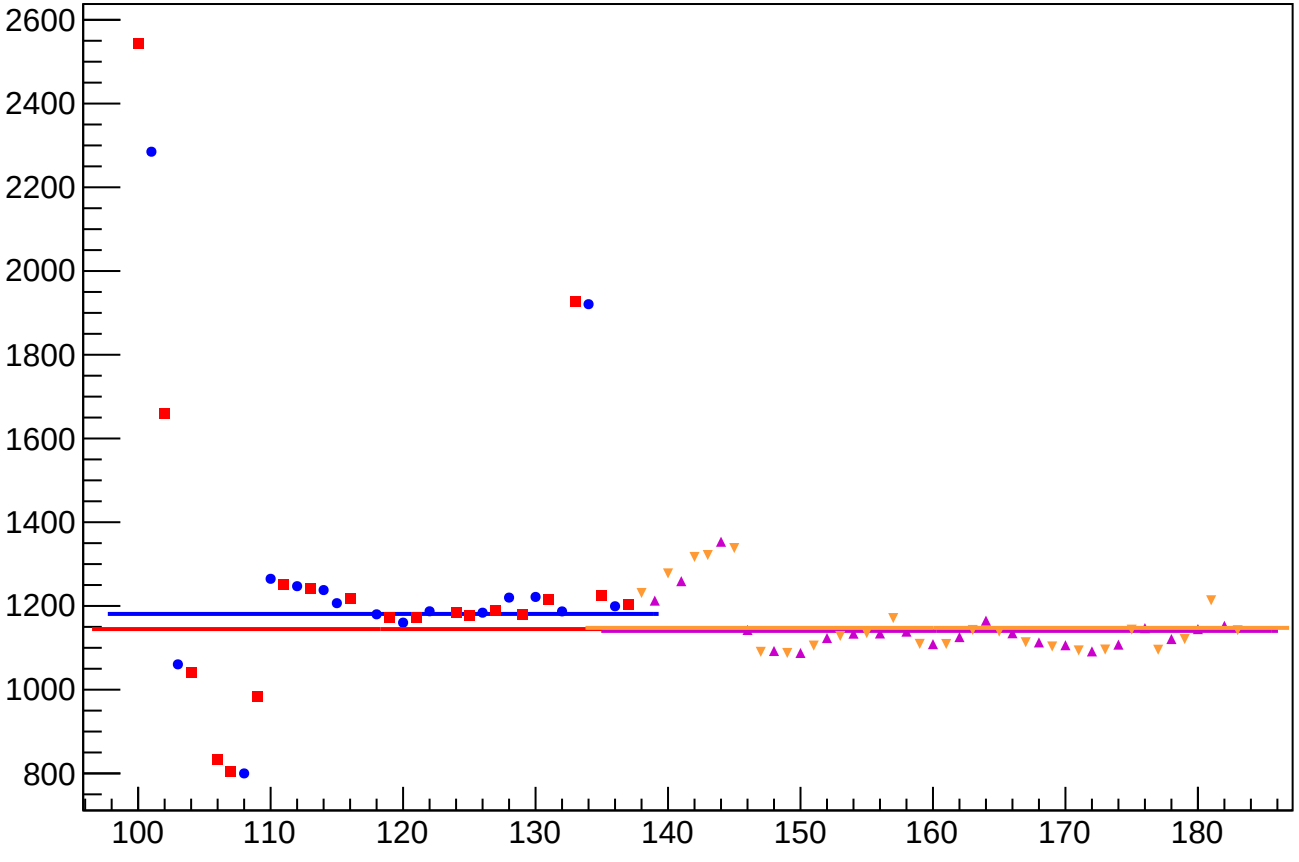
Left In: 410.312+/-268.841 χ^2/NDF:17.3/21

+ sign 153.479+/-226.870 χ^2/NDF: 52.2/39

All: 264.428+/-161.032 χ^2/NDF: 87.0/80

- sign 377.082+/-228.607 χ^2/NDF: 34.3/40

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1147.610+/-0.186 χ^2/NDF:139114.7/23

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

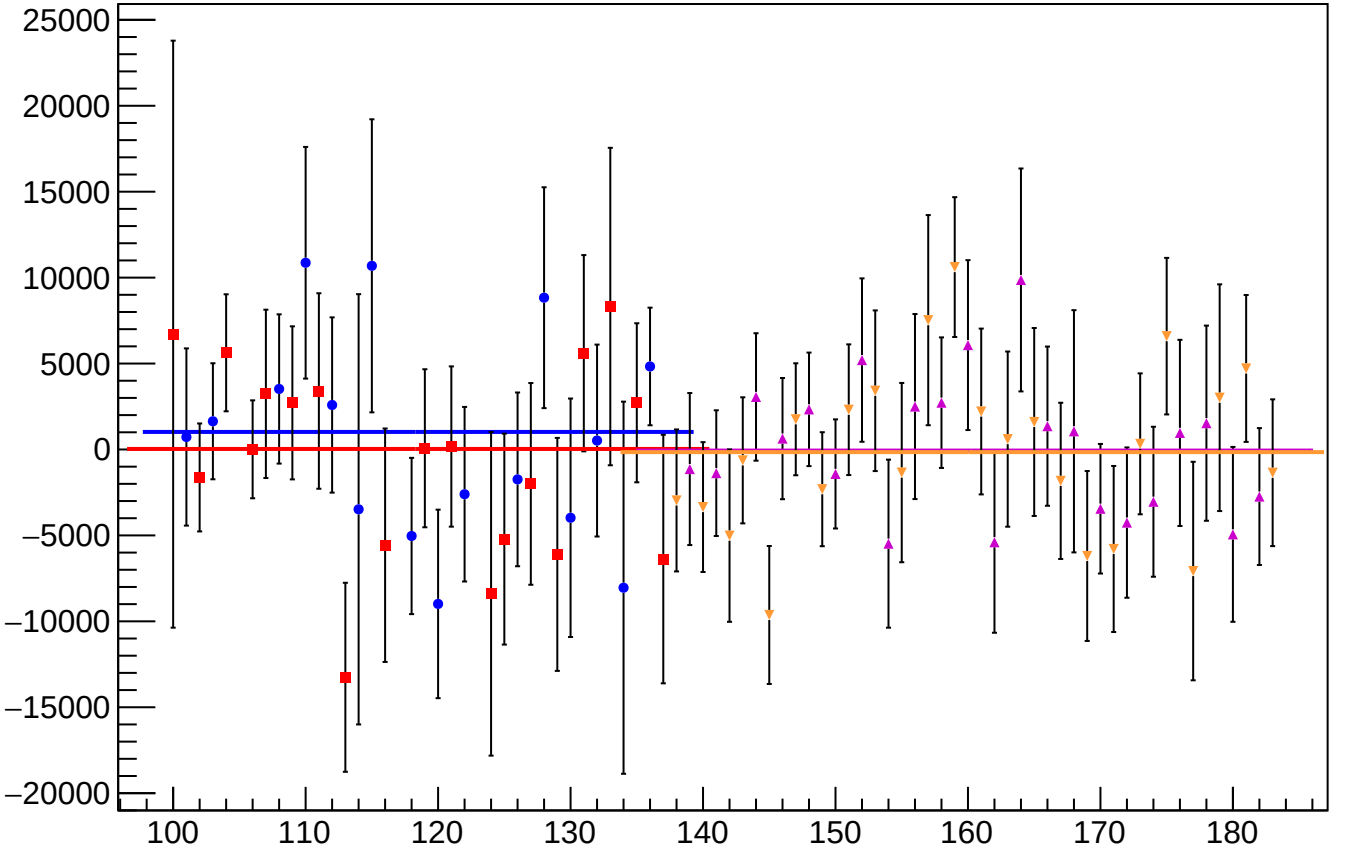
Left In: 1140.438+/-0.190 χ^2/NDF:84617.1/21

+ sign 1156.142+/-0.160 χ^2/NDF: 769219.8/39

All: 1148.946+/-0.114 χ^2/NDF: 1355767.5/80

- sign 1141.640+/-0.162 χ^2/NDF: 582492.1/40

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -153.713+/-897.679 χ^2/NDF:26.5/23

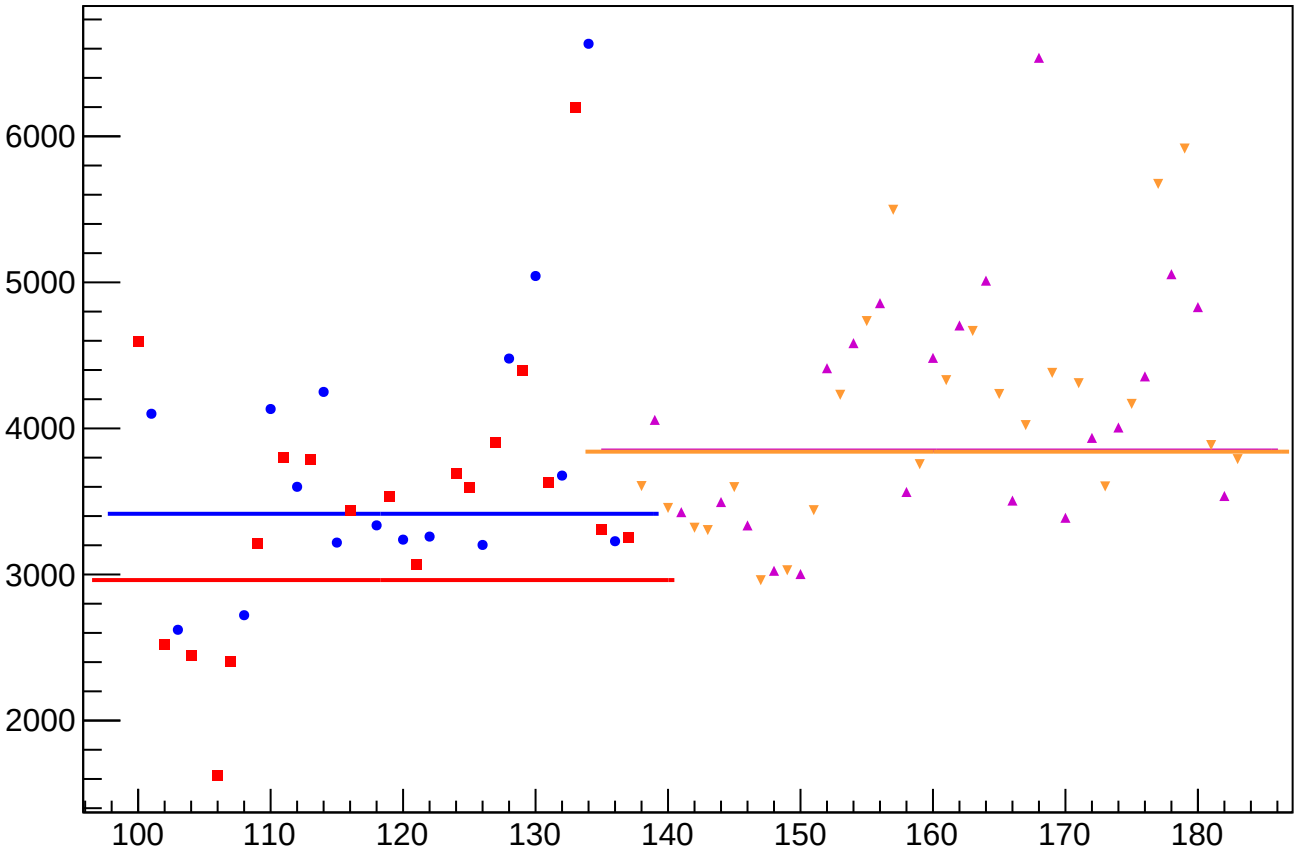
Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -63.510+/-924.772 χ^2/NDF:13.6/21

+ sign 224.623+/-739.126 χ^2/NDF: 40.9/39

All: 95.315+/-514.215 χ^2/NDF: 70.7/80

- sign -25.978+/-715.852 χ^2/NDF: 29.7/40



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3840.977+/-0.635 χ^2/NDF:1118662.8/23

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

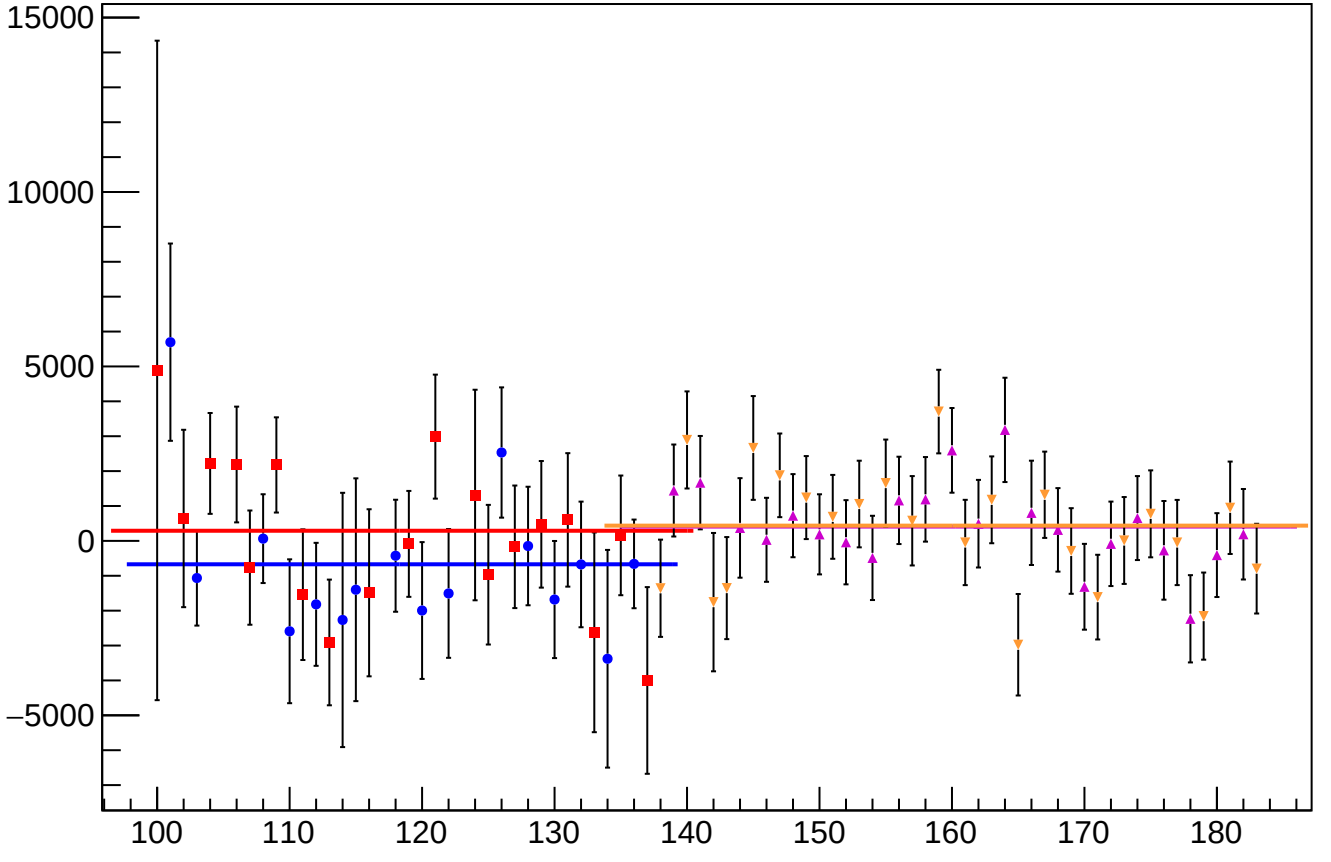
Left In: 3848.713+/-0.654 χ^2/NDF:1192578.5/21

+ sign 3703.981+/-0.523 χ^2/NDF: 1855641.9/39

All: 3595.243+/-0.364 χ^2/NDF: 5038668.3/80

- sign 3493.245+/-0.506 χ^2/NDF: 3099135.5/40

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 436.929+/-263.000 χ^2/NDF:35.8/23

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

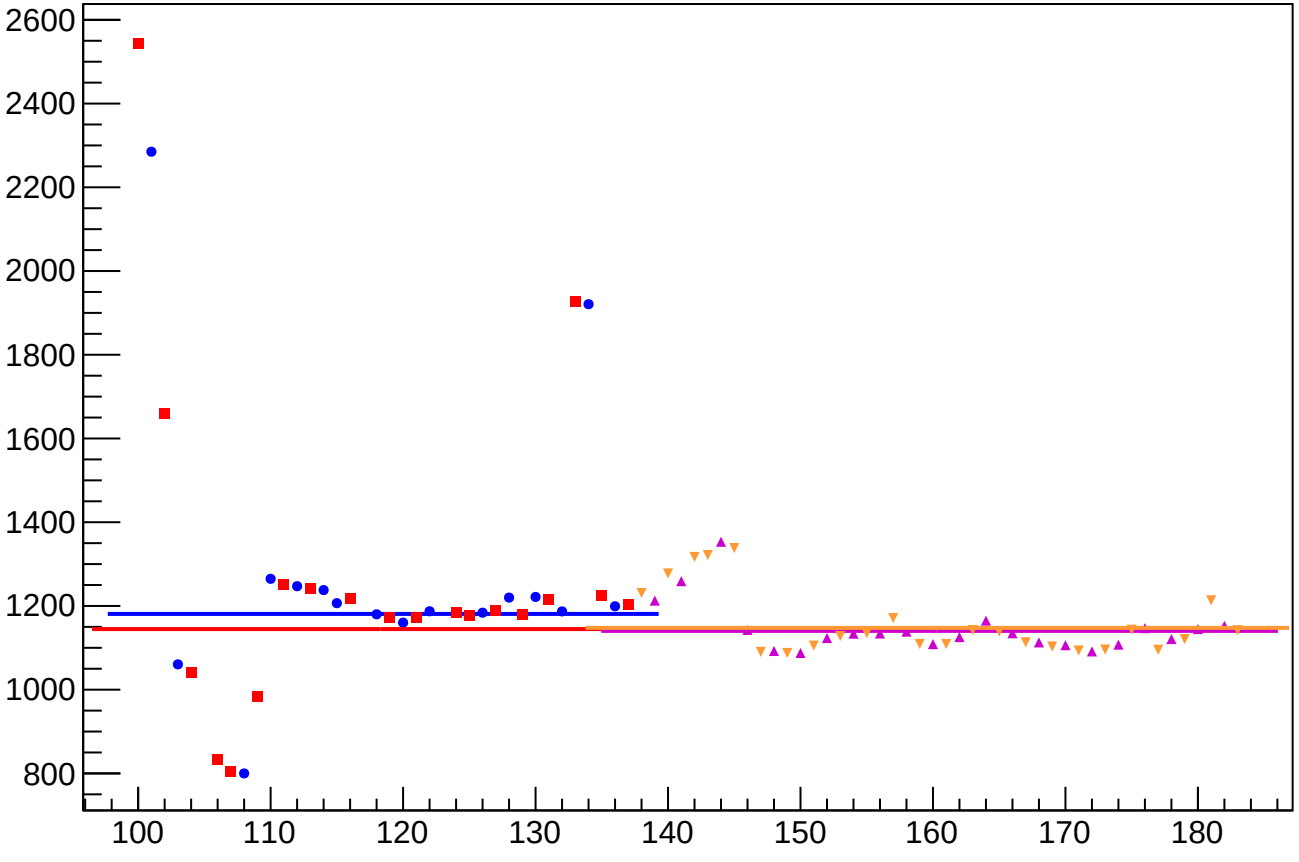
Left In: 410.311+/-268.841 χ^2/NDF:17.3/21

\+ sign 153.481+/-226.870 χ^2/NDF: 52.2/39

All: 264.429+/-161.032 χ^2/NDF: 87.0/80

\- sign 377.082+/-228.607 χ^2/NDF: 34.3/40

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1147.611+/-0.186 χ^2/NDF:139114.8/23

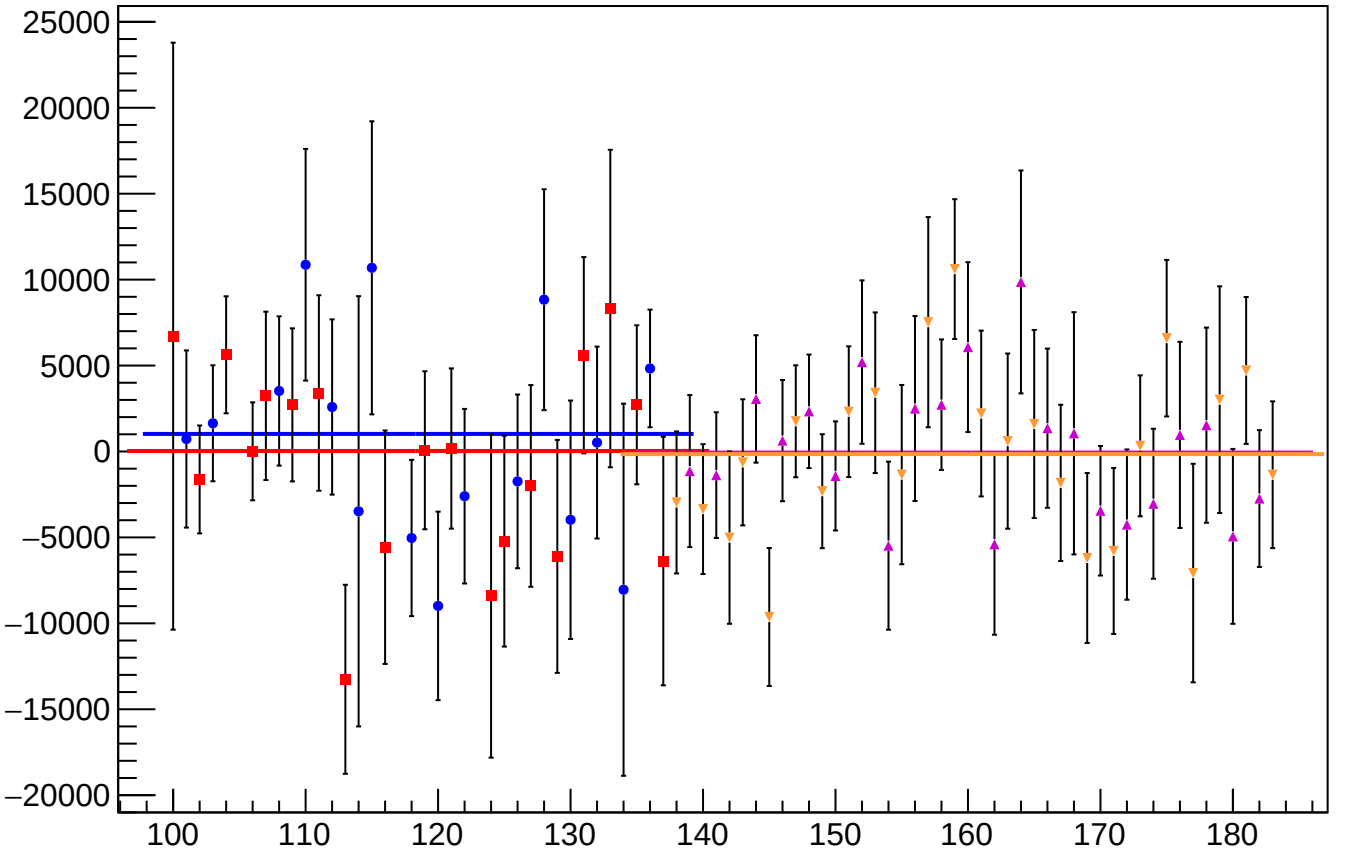
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.438+/-0.190 χ^2/NDF:84616.8/21

+ sign 1156.143+/-0.160 χ^2/NDF: 769219.8/39

All: 1148.946+/-0.114 χ^2/NDF: 1355766.7/80

- sign 1141.641+/-0.162 χ^2/NDF: 582491.4/40



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -153.712+/-897.680 χ^2/NDF:26.5/23

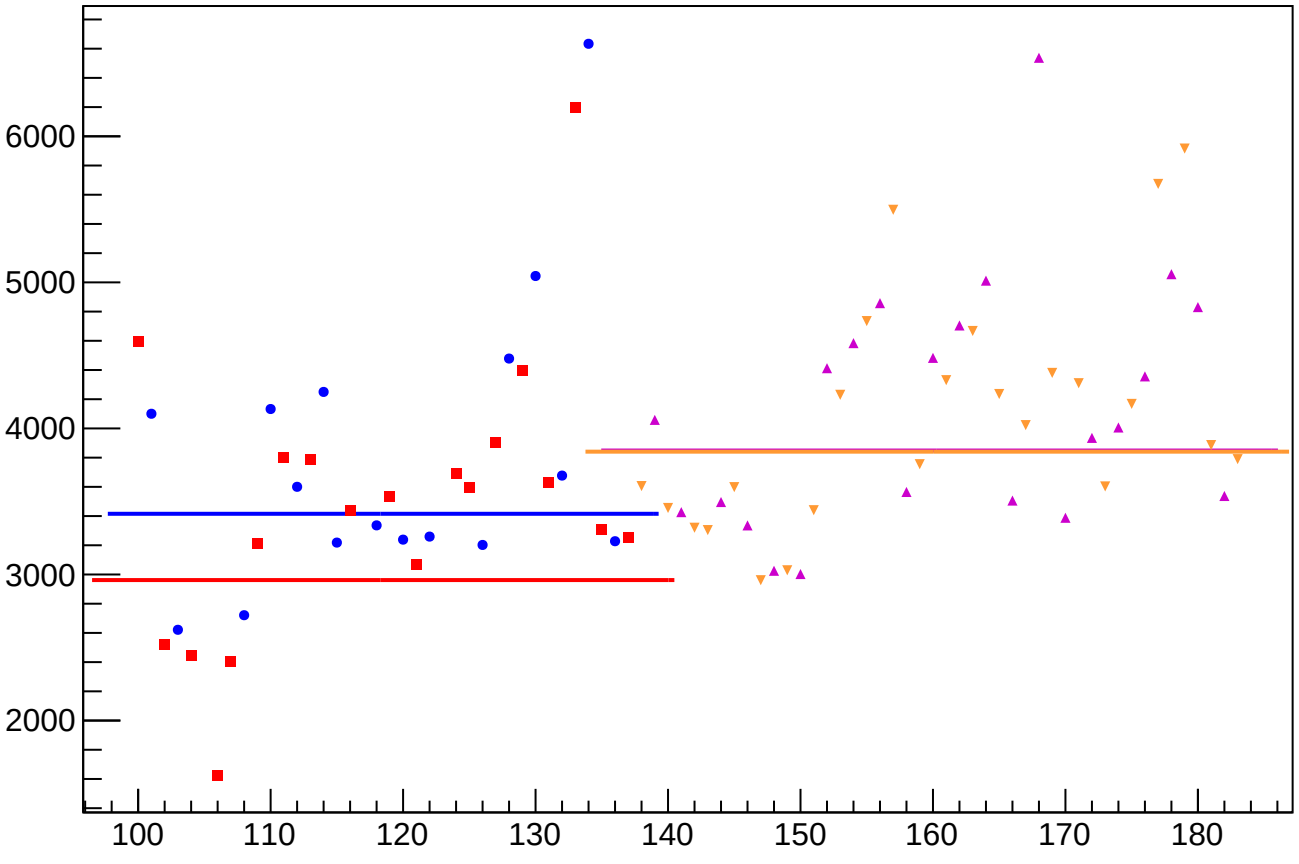
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -63.512+/-924.774 χ^2/NDF:13.6/21

+ sign 224.619+/-739.127 χ^2/NDF: 40.9/39

All: 95.314+/-514.215 χ^2/NDF: 70.7/80

- sign -25.976+/-715.853 χ^2/NDF: 29.7/40



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3840.982+/-0.635 χ^2/NDF:1118664.4/23

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

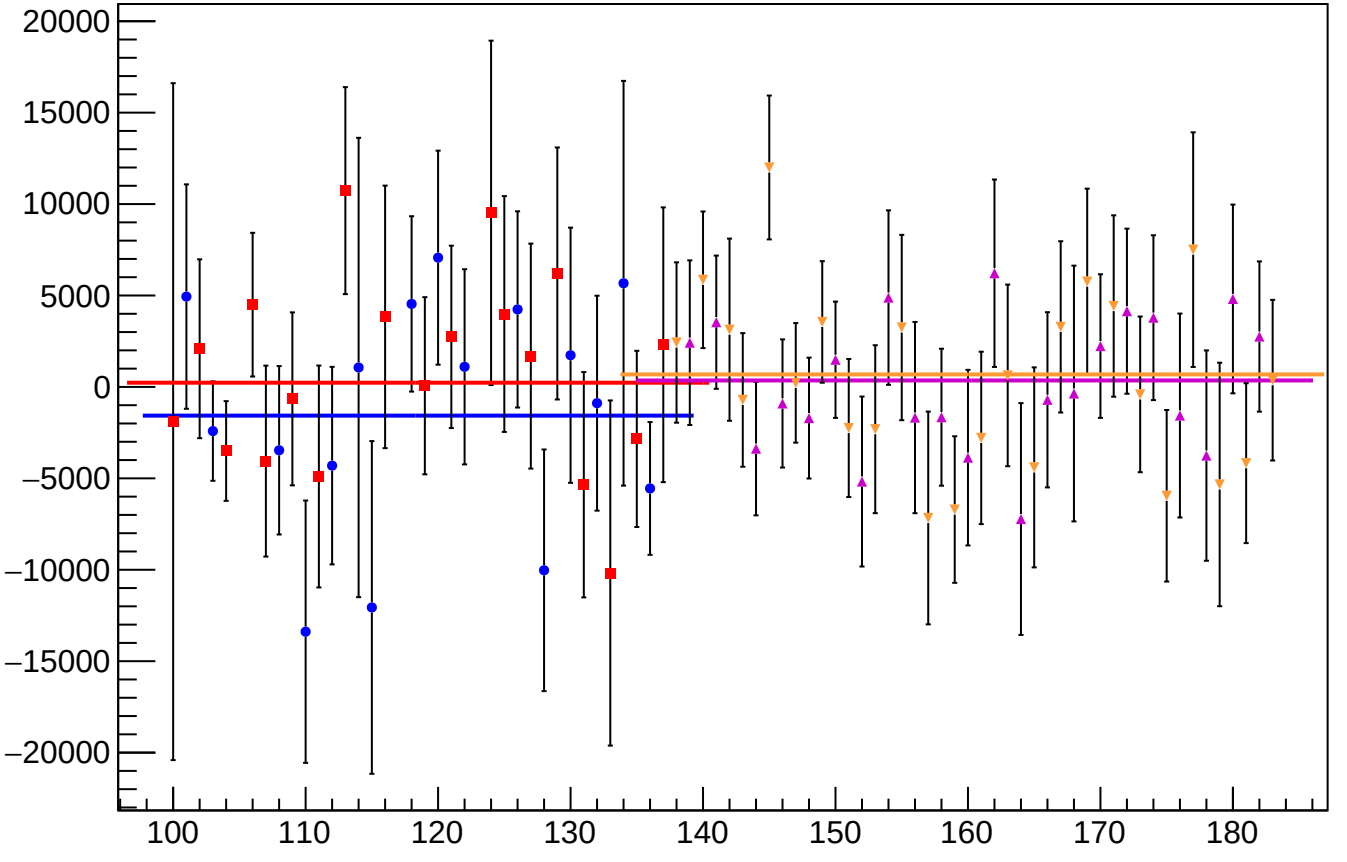
Left In: 3848.718+/-0.654 χ^2/NDF:1192582.4/21

+ sign 3703.983+/-0.523 χ^2/NDF: 1855644.7/39

All: 3595.243+/-0.364 χ^2/NDF: 5038693.5/80

- sign 3493.244+/-0.506 χ^2/NDF: 3099156.2/40

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 683.765+/-901.200 χ^2/NDF:26.5/23

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

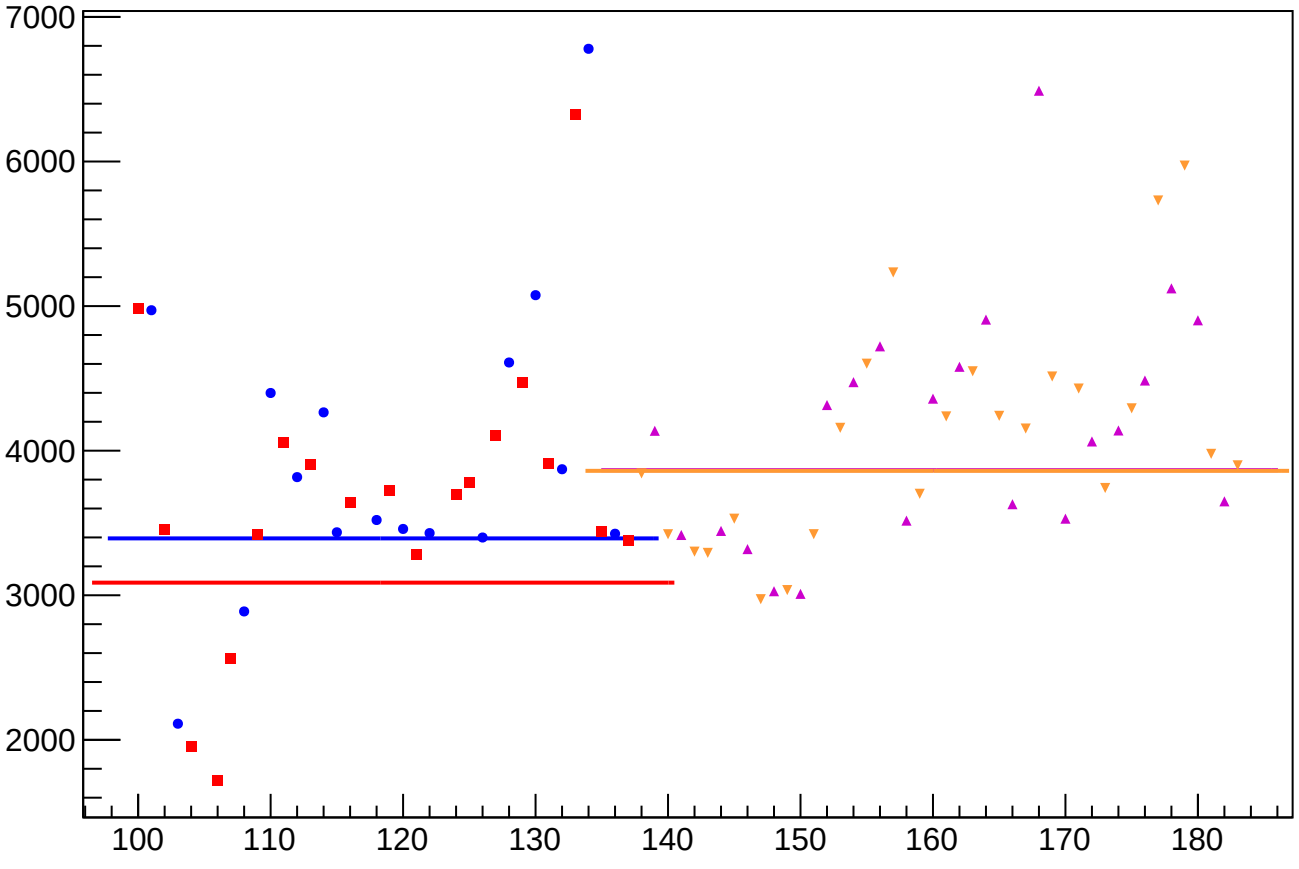
Left In: 353.466+/-927.529 χ^2/NDF:12.2/21

\+ sign -37.958+/-743.008 χ^2/NDF: 43.0/39

All: 136.310+/-524.078 χ^2/NDF: 68.6/80

\- sign 308.854+/-739.322 χ^2/NDF: 25.5/40

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3860.589+/-0.637 χ^2/NDF:1097292.1/23

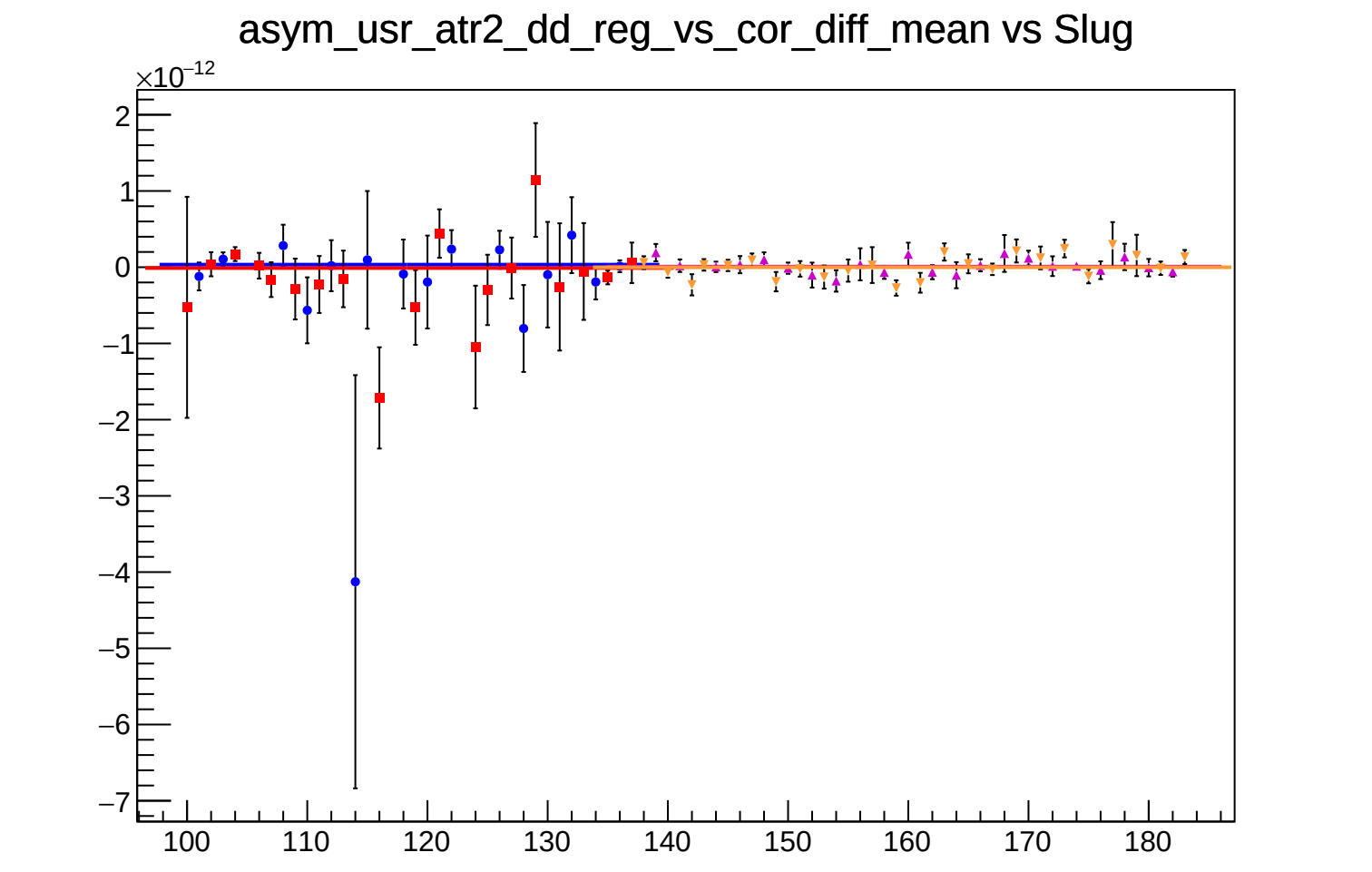
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3865.333+/-0.656 χ^2/NDF:1141040.7/21

+ sign 3710.957+/-0.525 χ^2/NDF: 2318161.4/39

All: 3642.474+/-0.369 χ^2/NDF: 5345373.5/80

- sign 3575.508+/-0.520 χ^2/NDF: 2993607.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/23

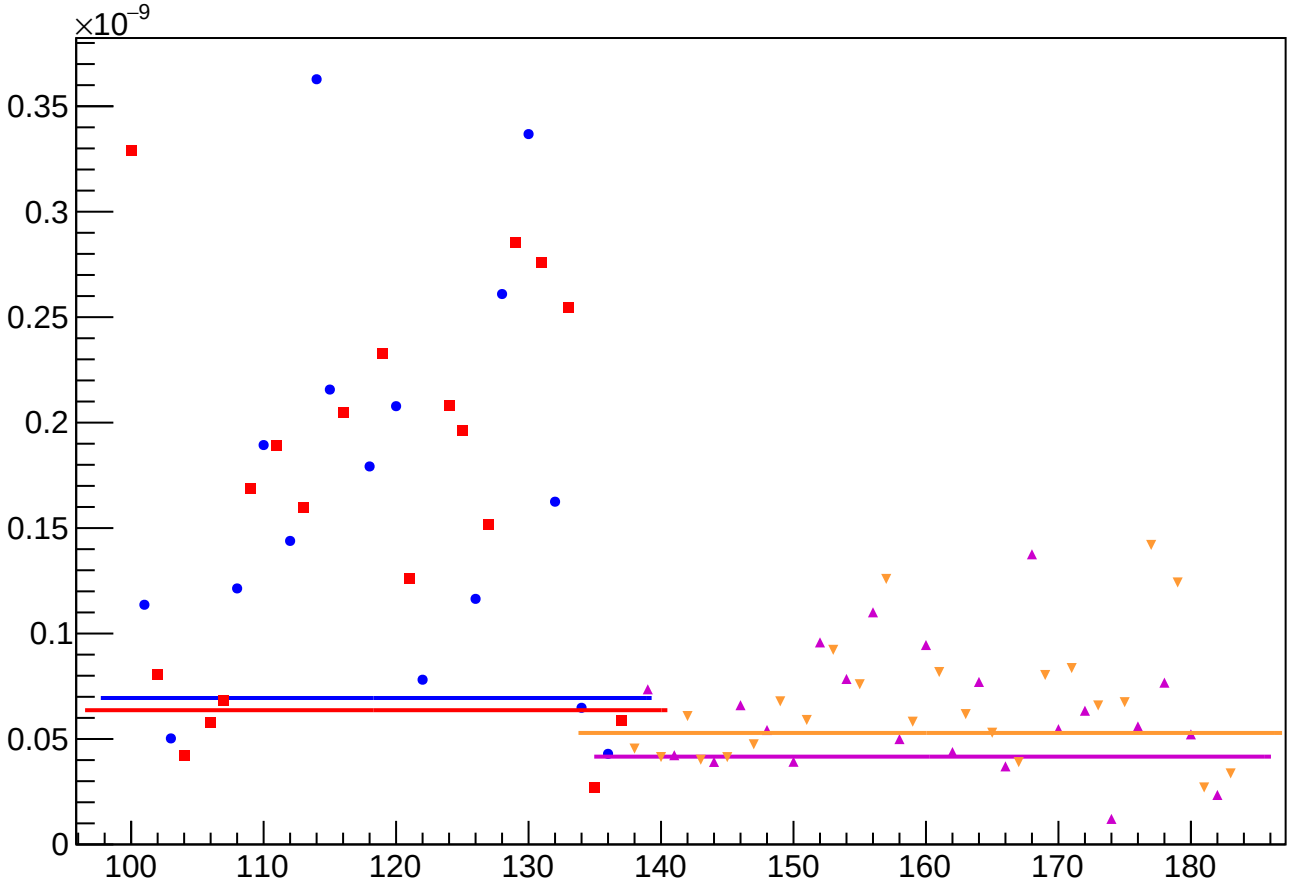
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/39

All: 0.000+/-0.000 χ^2/NDF: 80.6/80

- sign 0.000+/-0.000 χ^2/NDF: 34.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582036.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

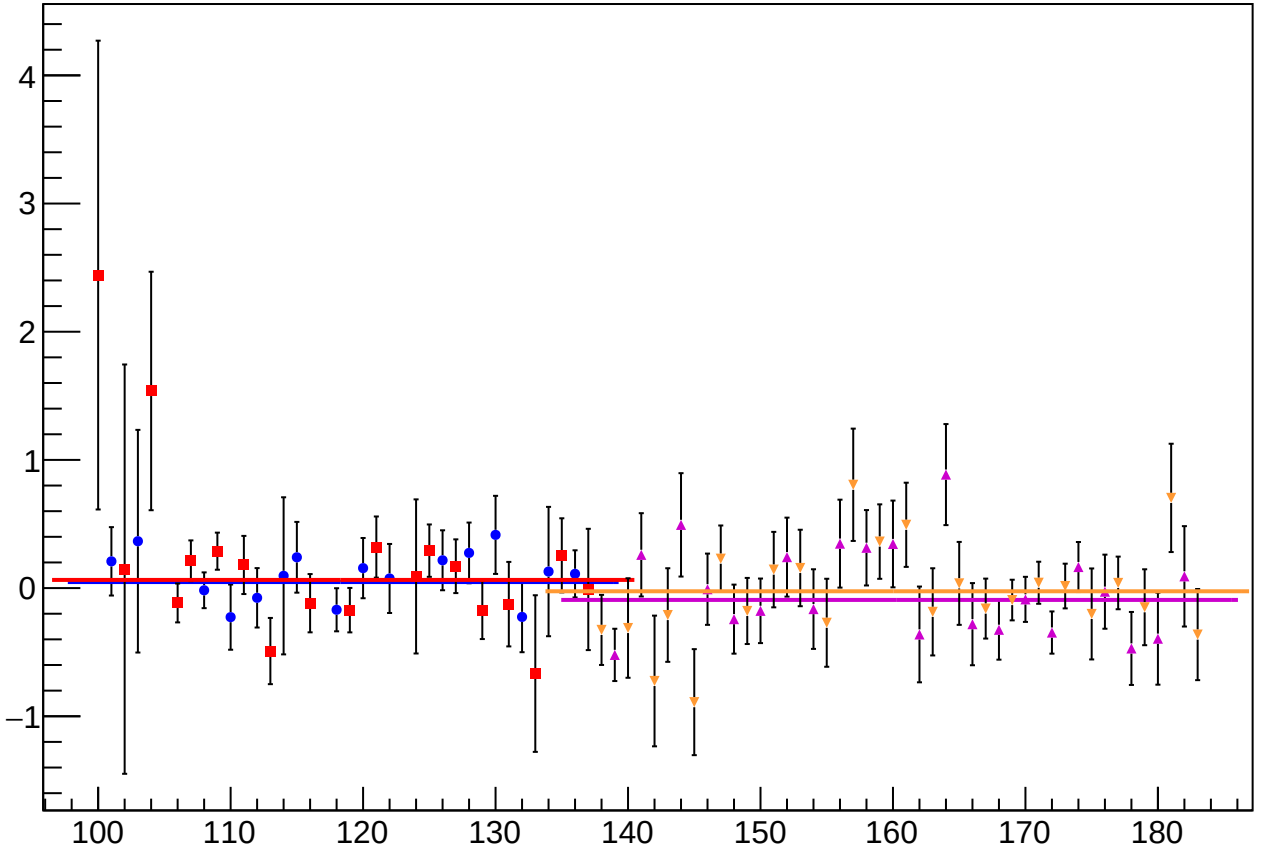
Left In: 0.000+/-0.000 χ^2/NDF:2938735.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 3503528.2/39

All: 0.000+/-0.000 χ^2/NDF: 9366635.7/80

- sign 0.000+/-0.000 χ^2/NDF: 5530682.5/40

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/23

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

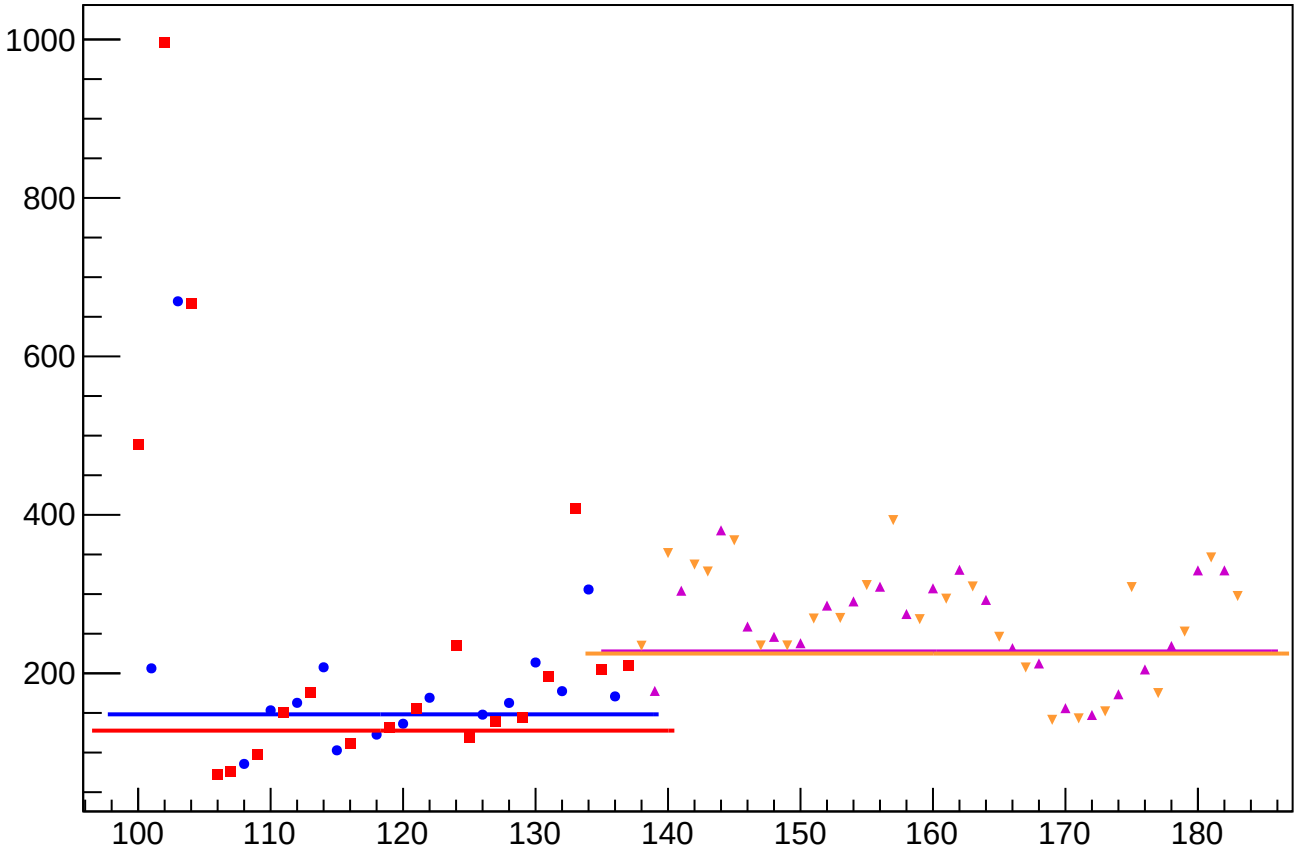
Left In: -0.092+/-0.057 χ^2/NDF:29.6/21

+ sign 0.008+/-0.041 χ^2/NDF: 33.4/39

All: -0.002+/-0.028 χ^2/NDF: 89.2/80

- sign -0.011+/-0.039 χ^2/NDF: 55.7/40

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 224.951+/-0.039 χ^2/NDF:3409834.3/23

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

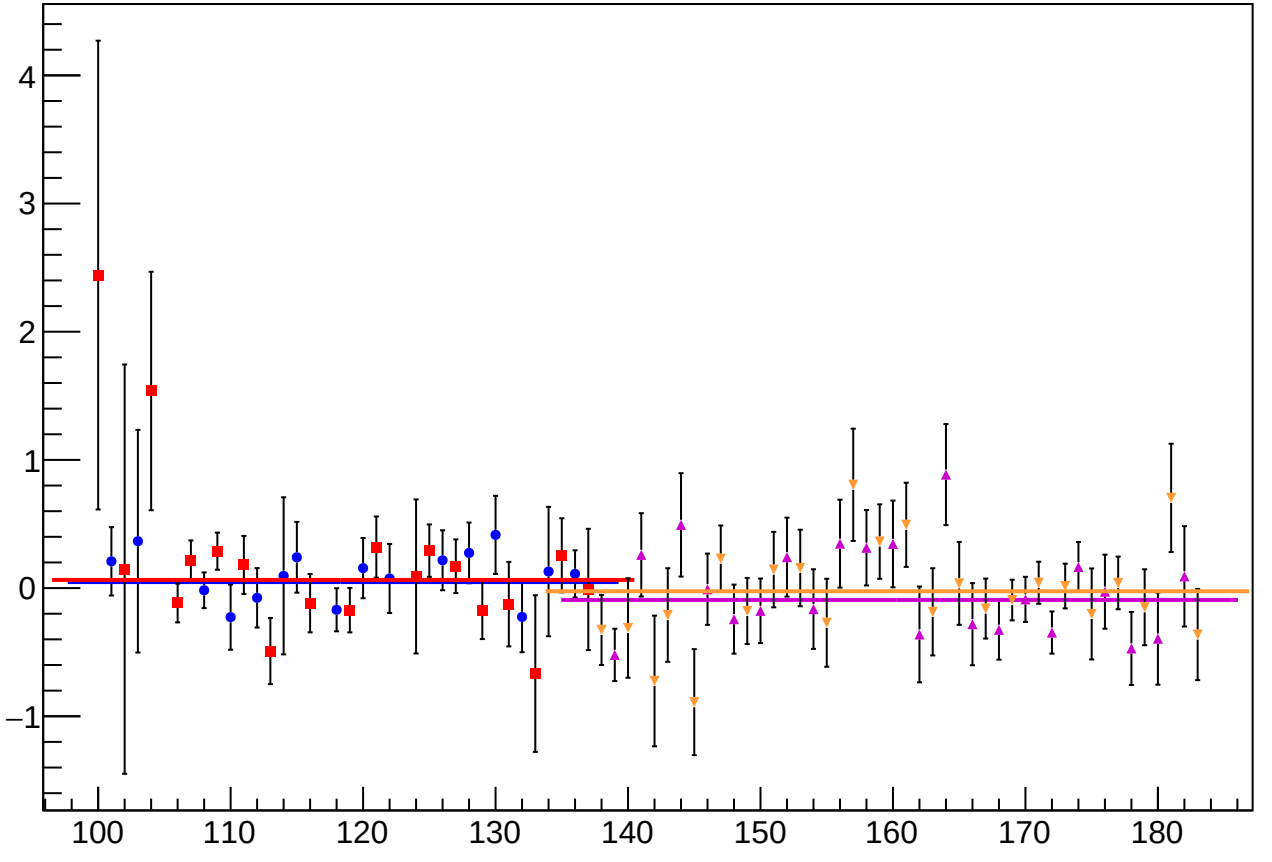
Left In: 227.625+/-0.040 χ^2/NDF:2472520.0/21

+ sign 189.775+/-0.029 χ^2/NDF: 6888228.8/39

All: 182.455+/-0.020 χ^2/NDF: 15530386.3/80

- sign 175.558+/-0.028 χ^2/NDF: 8516204.8/40

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/23

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

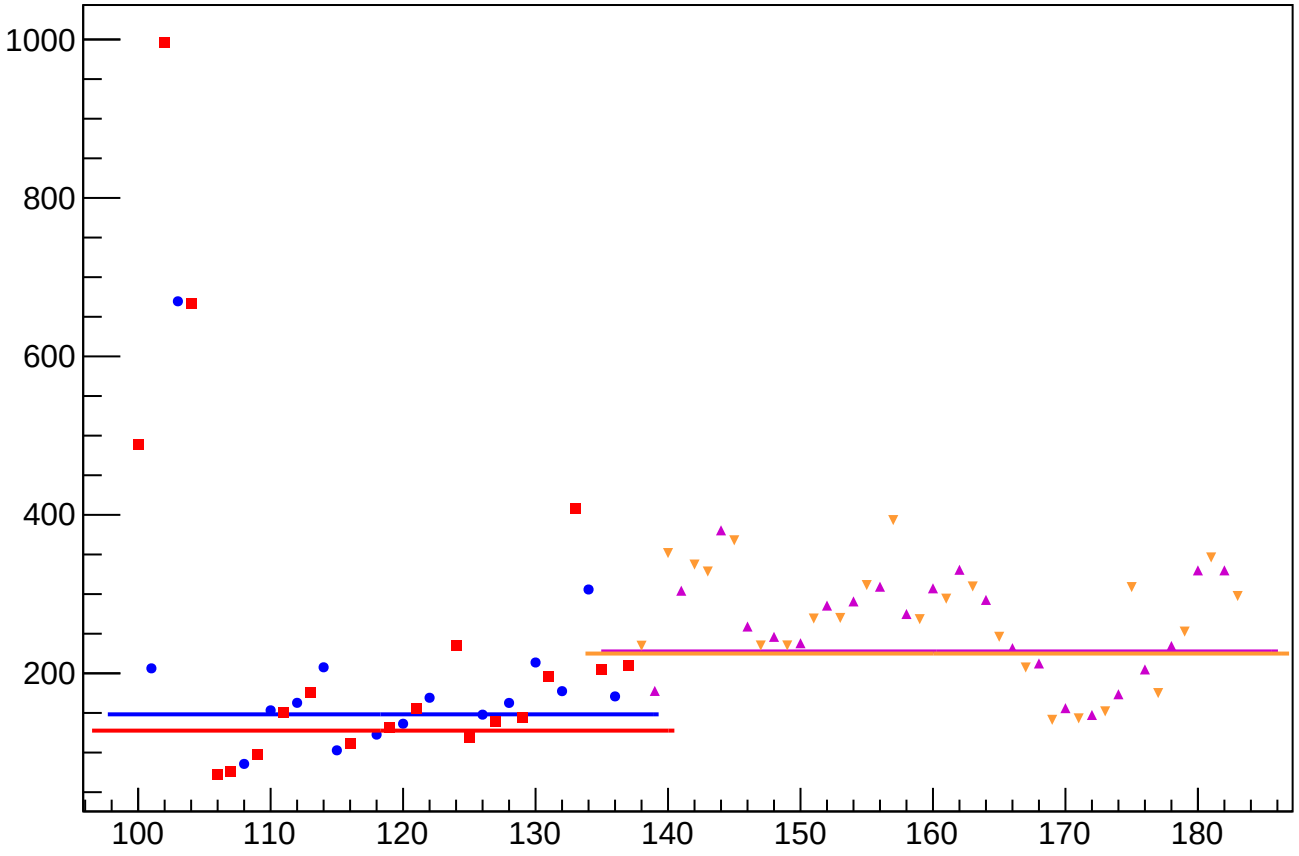
Left In: -0.092+/-0.057 χ^2/NDF:29.6/21

+ sign 0.008+/-0.041 χ^2/NDF: 33.4/39

All: -0.002+/-0.028 χ^2/NDF: 89.2/80

- sign -0.011+/-0.039 χ^2/NDF: 55.7/40

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 224.951+/-0.039 χ^2/NDF:3409834.3/23

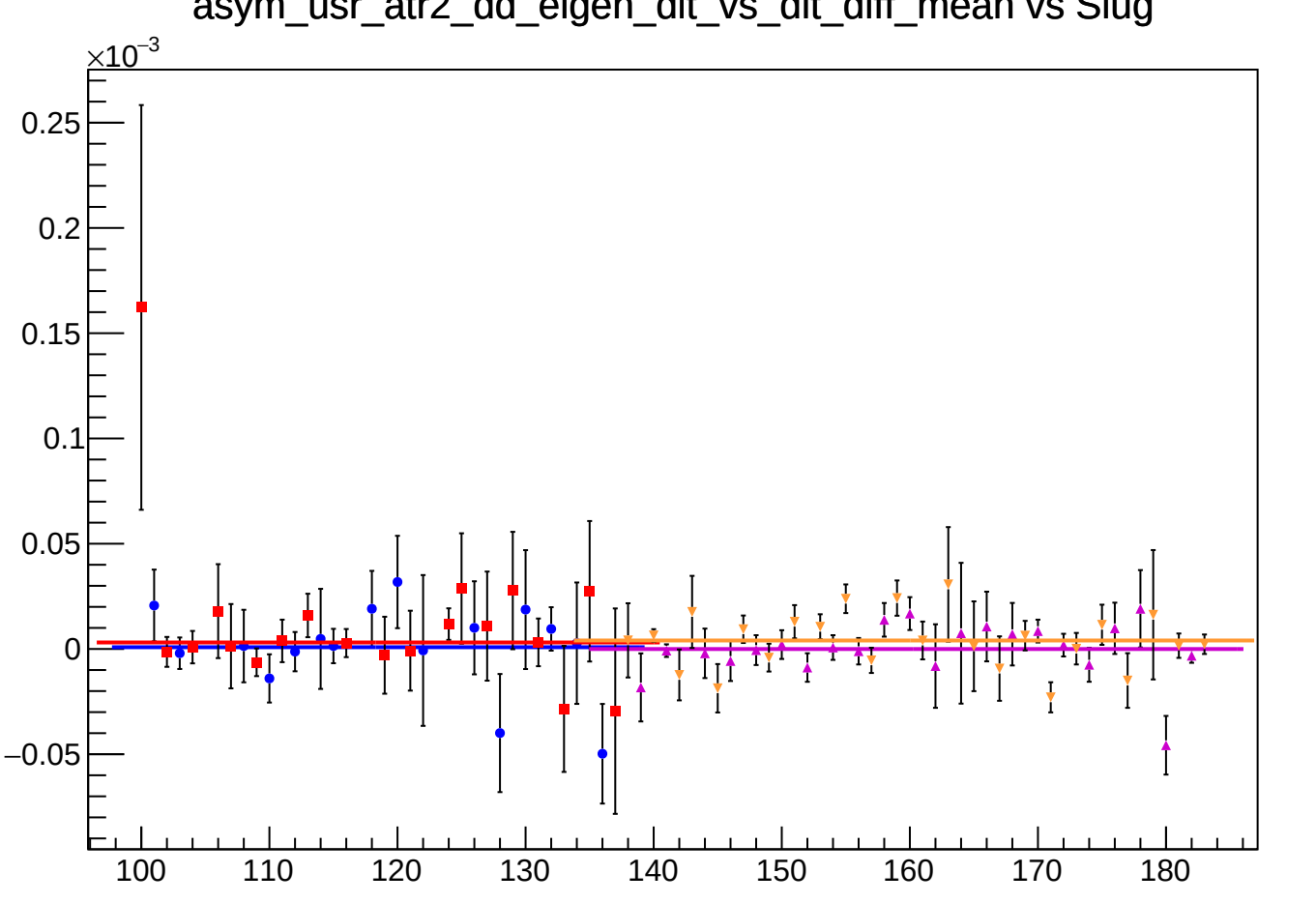
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 227.625+/-0.040 χ^2/NDF:2472520.0/21

+ sign 189.775+/-0.029 χ^2/NDF: 6888228.8/39

All: 182.455+/-0.020 χ^2/NDF: 1553038 6.3/80

- sign 175.558+/-0.028 χ^2/NDF: 8516204.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.0/23

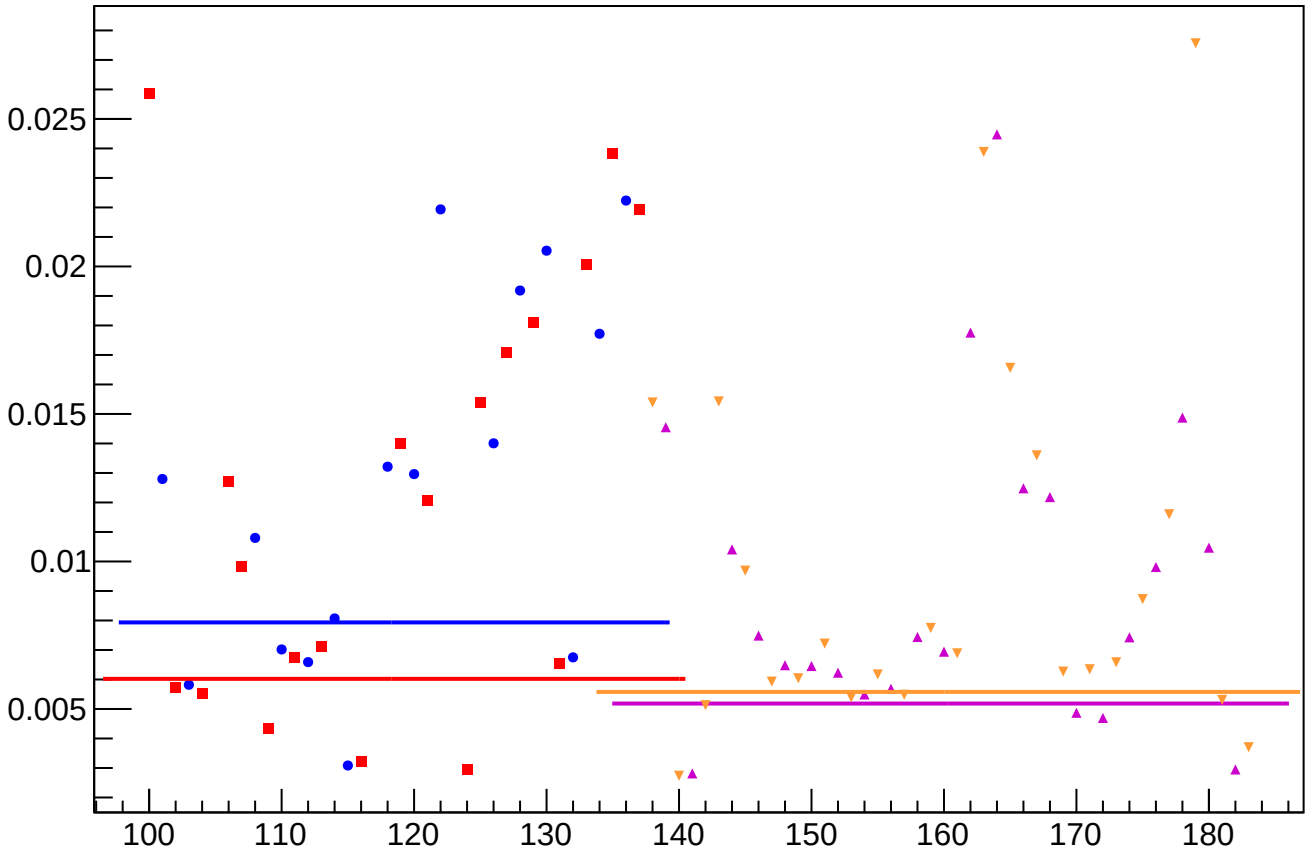
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:28.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 63.0/39

All: 0.000+/-0.000 χ^2/NDF: 108.1/80

- sign 0.000+/-0.000 χ^2/NDF: 42.7/40



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:7711128.9/23

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

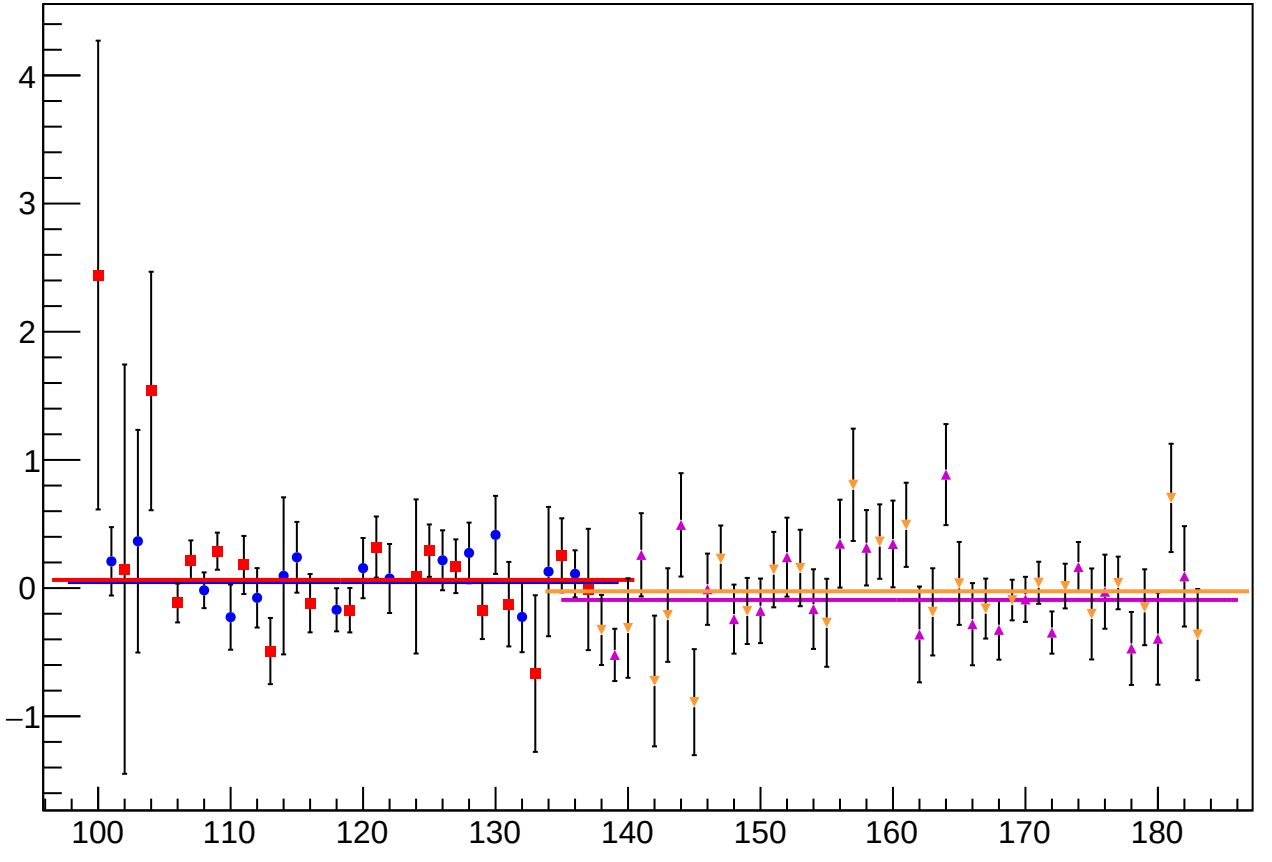
Left In: 0.005+/-0.000 χ^2/NDF:7395891.0/21

+ sign 0.006+/-0.000 χ^2/NDF: 12072672.2/39

All: 0.006+/-0.000 χ^2/NDF: 23818210.8/80

- sign 0.005+/-0.000 χ^2/NDF: 11560898.7/40

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/23

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

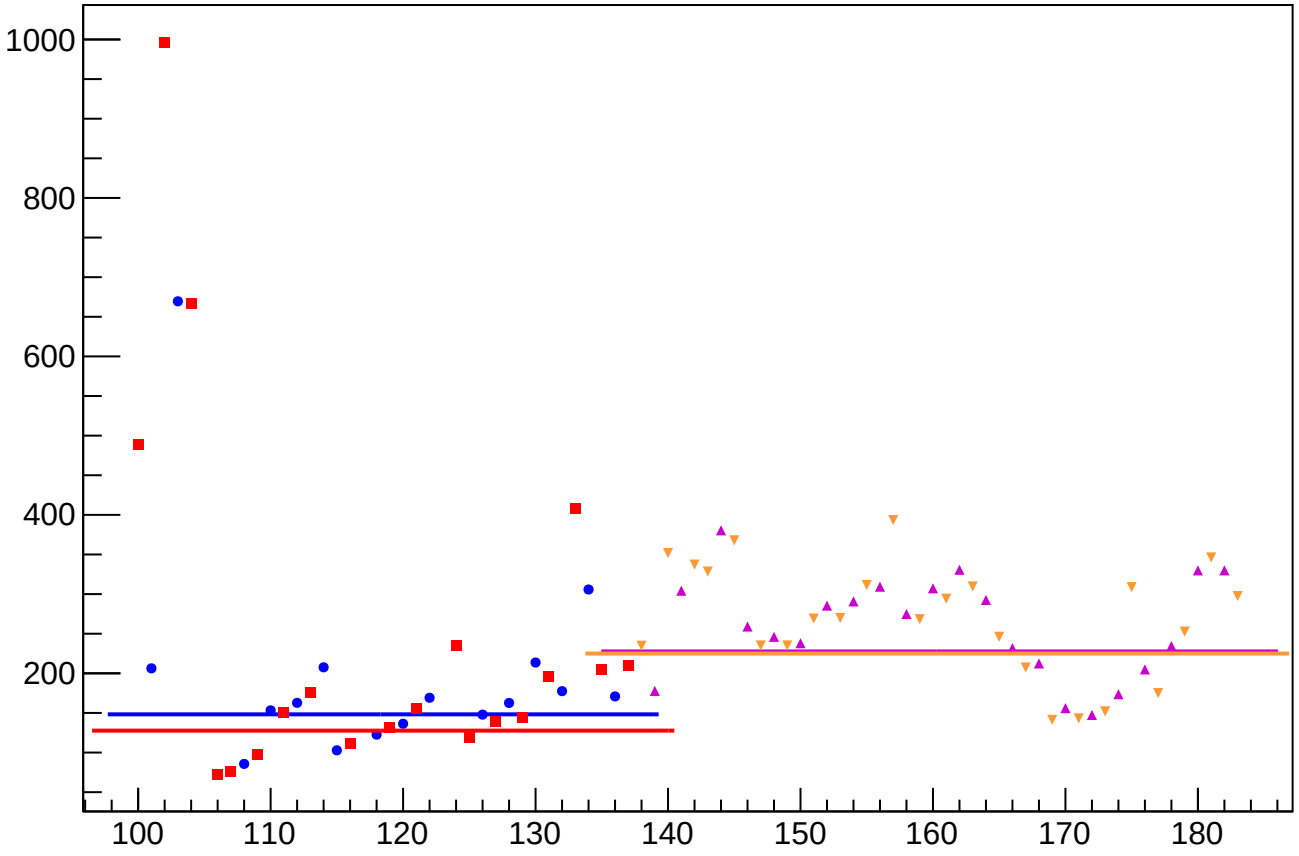
Left In: -0.092+/-0.057 χ^2/NDF:29.6/21

+ sign 0.008+/-0.041 χ^2/NDF: 33.4/39

All: -0.002+/-0.028 χ^2/NDF: 89.2/80

- sign -0.011+/-0.039 χ^2/NDF: 55.7/40

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 224.952+/-0.039 χ^2/NDF:3409937.5/23

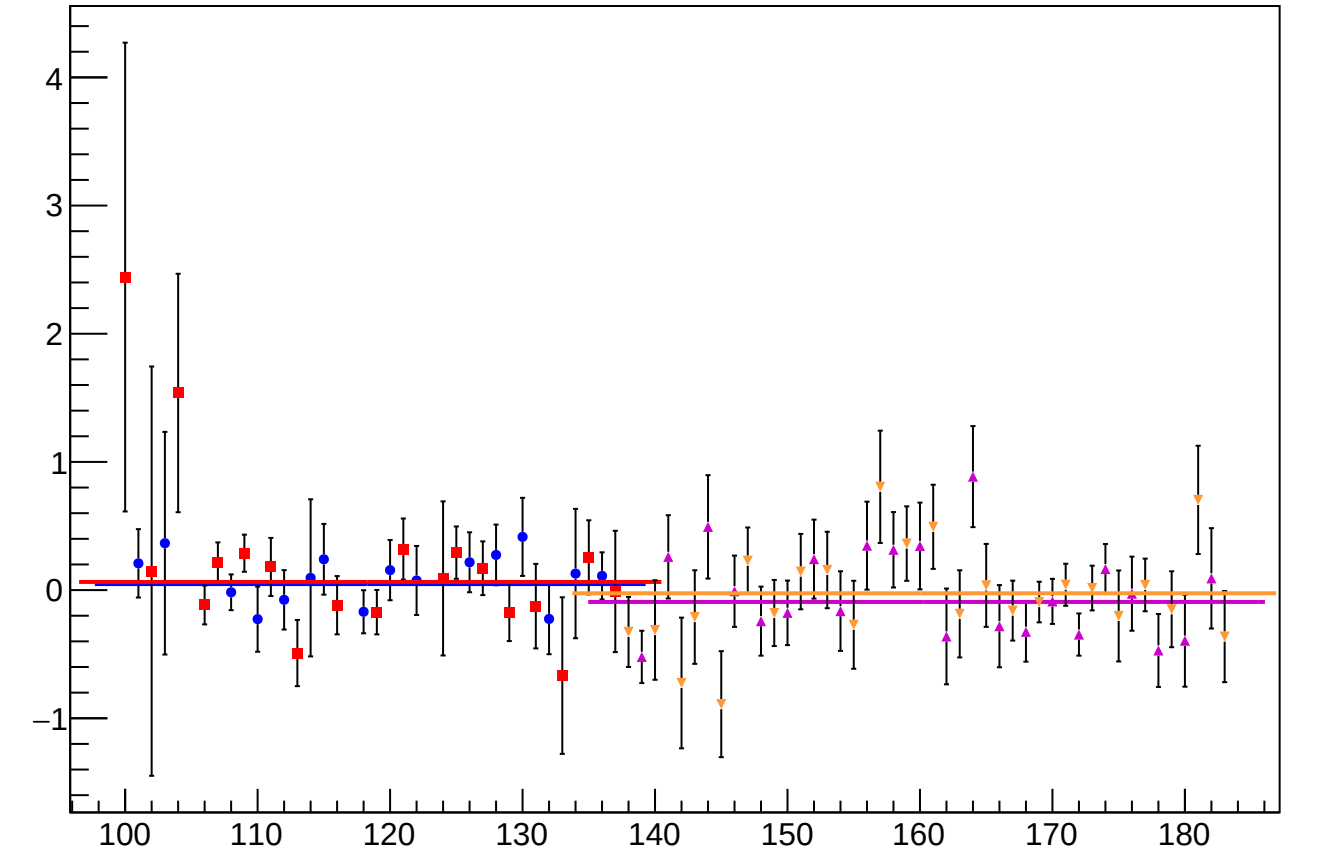
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 227.626+/-0.040 χ^2/NDF:2472557.5/21

+ sign 189.773+/-0.029 χ^2/NDF: 6888589.1/39

All: 182.455+/-0.020 χ^2/NDF: 15530818.2/80

- sign 175.558+/-0.028 χ^2/NDF: 8516306.3/40



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/23

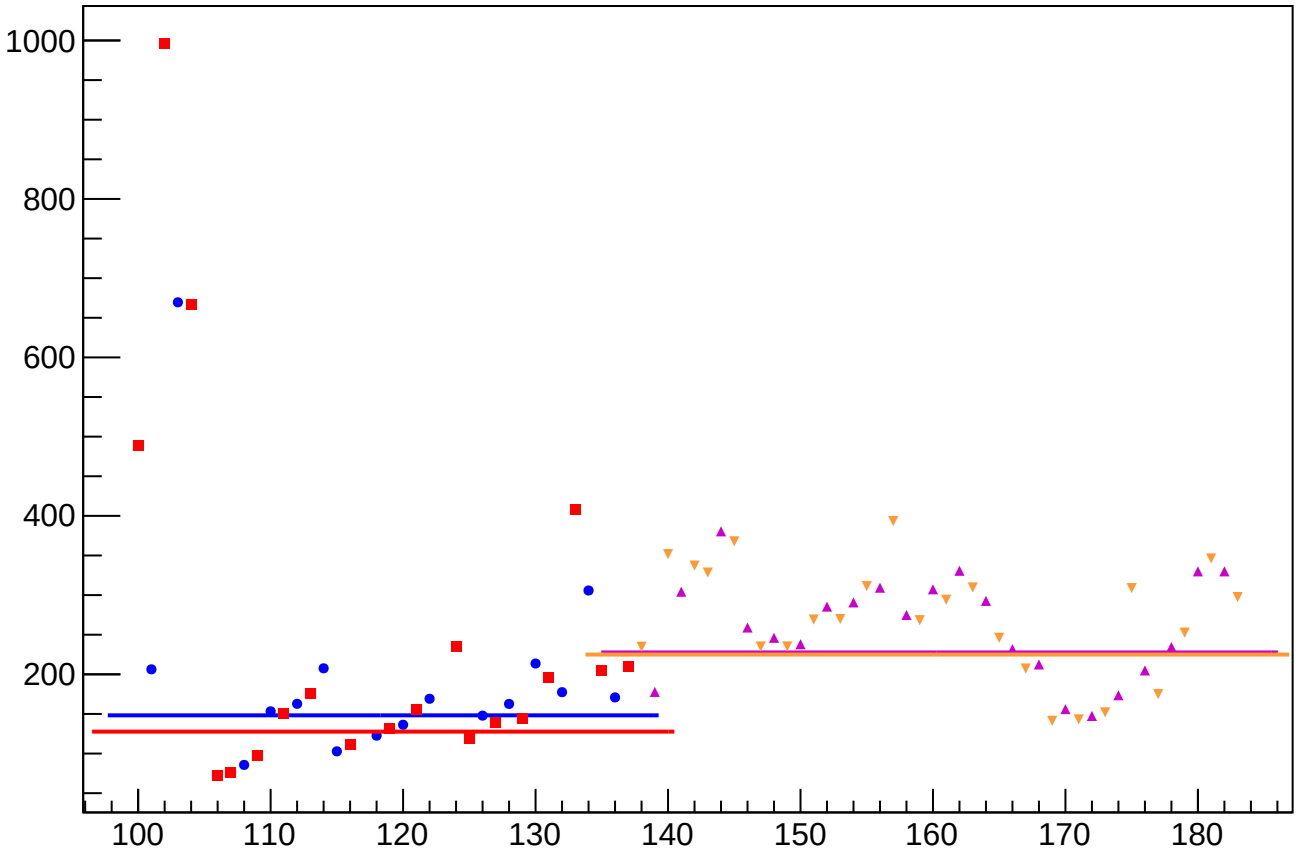
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.092+/-0.057 χ^2/NDF:29.6/21

+ sign 0.008+/-0.041 χ^2/NDF: 33.4/39

All: -0.002+/-0.028 χ^2/NDF: 89.2/80

- sign -0.011+/-0.039 χ^2/NDF: 55.7/40



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 224.952+/-0.039 χ^2/NDF:3409937.5/23

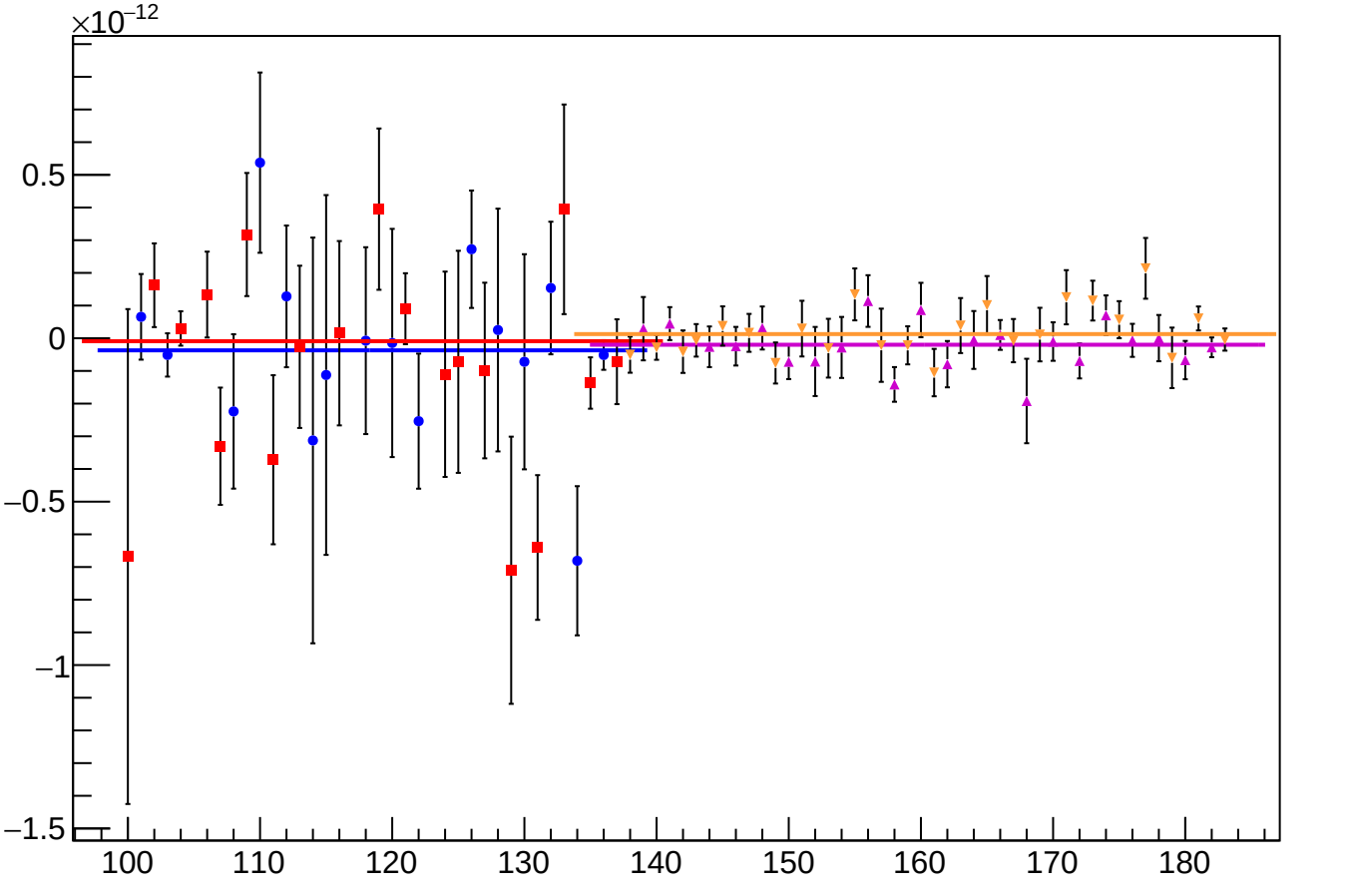
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 227.626+/-0.040 χ^2/NDF:2472557.5/21

+ sign 189.773+/-0.029 χ^2/NDF: 6888589.1/39

All: 182.455+/-0.020 χ^2/NDF: 15530818.2/80

- sign 175.558+/-0.028 χ^2/NDF: 8516306.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/23

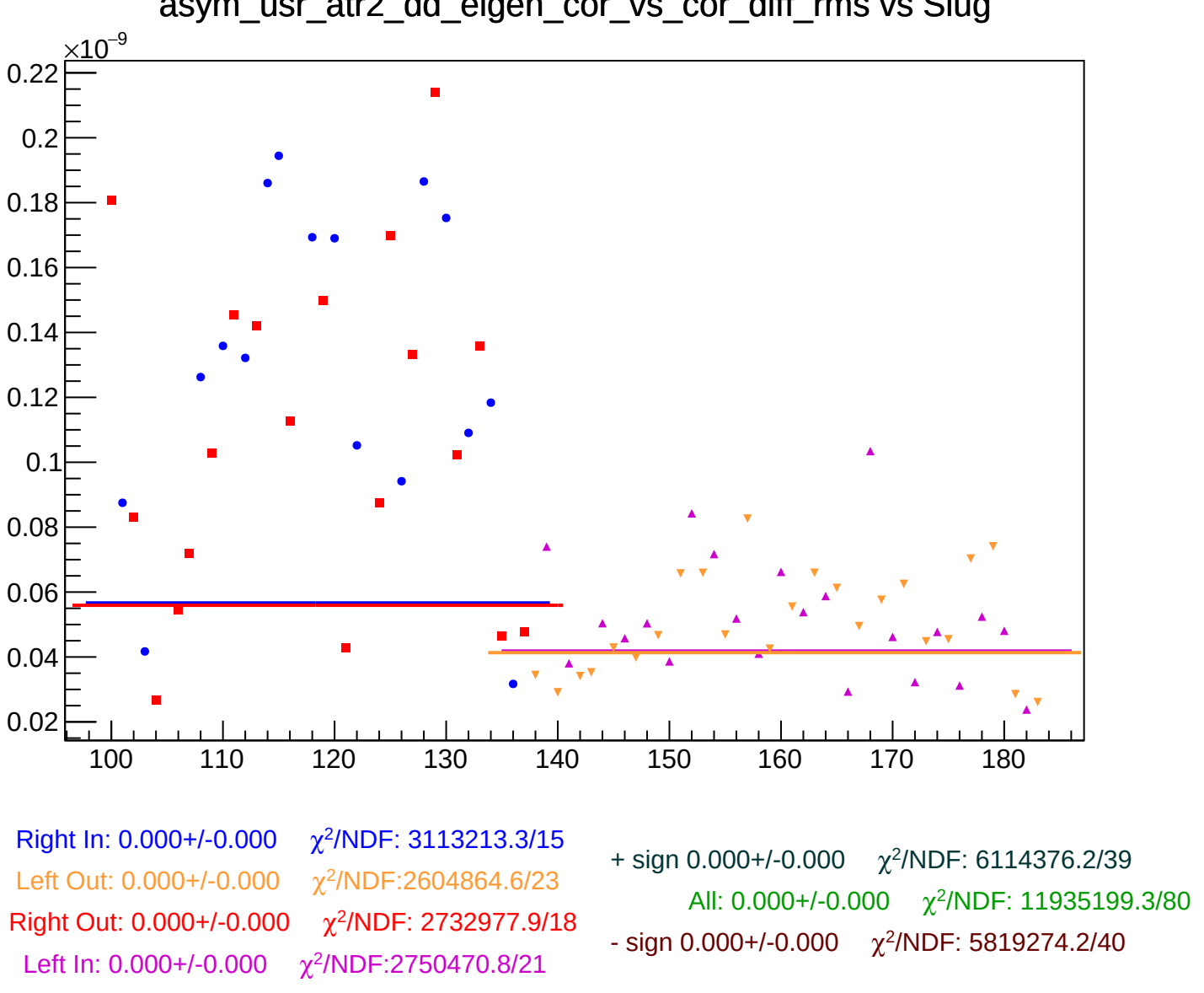
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:20.3/21

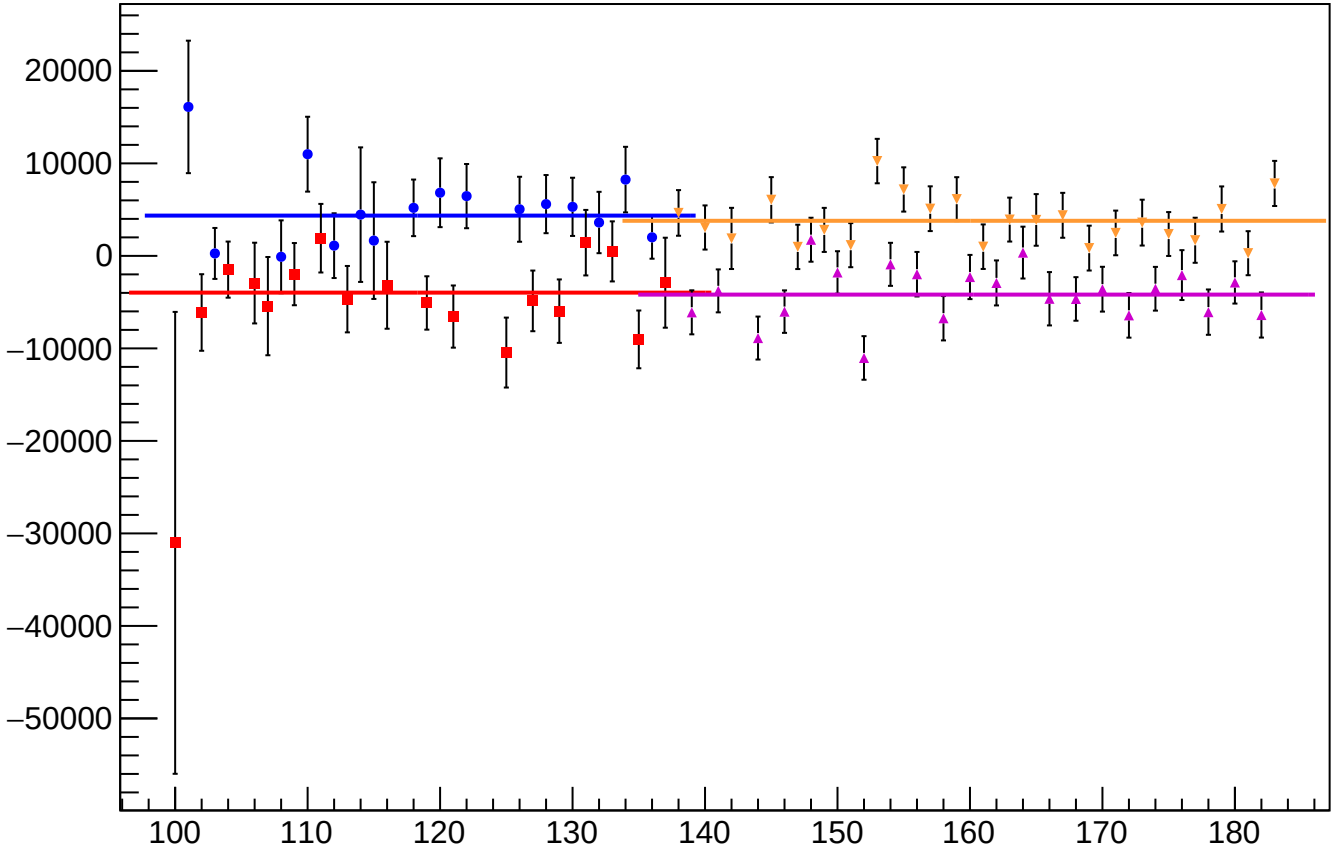
+ sign 0.000+/-0.000 χ^2/NDF: 46.4/39

All: -0.000+/-0.000 χ^2/NDF: 100.9/80

- sign -0.000+/-0.000 χ^2/NDF: 52.2/40


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2604864.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:2750470.8/21
+ sign 0.000+/-0.000 χ²/NDF: 6114376.2/39
All: 0.000+/-0.000 χ²/NDF: 11935199.3/80
- sign 0.000+/-0.000 χ²/NDF: 5819274.2/40

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3792.300+/-510.800 χ^2/NDF:24.2/22

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

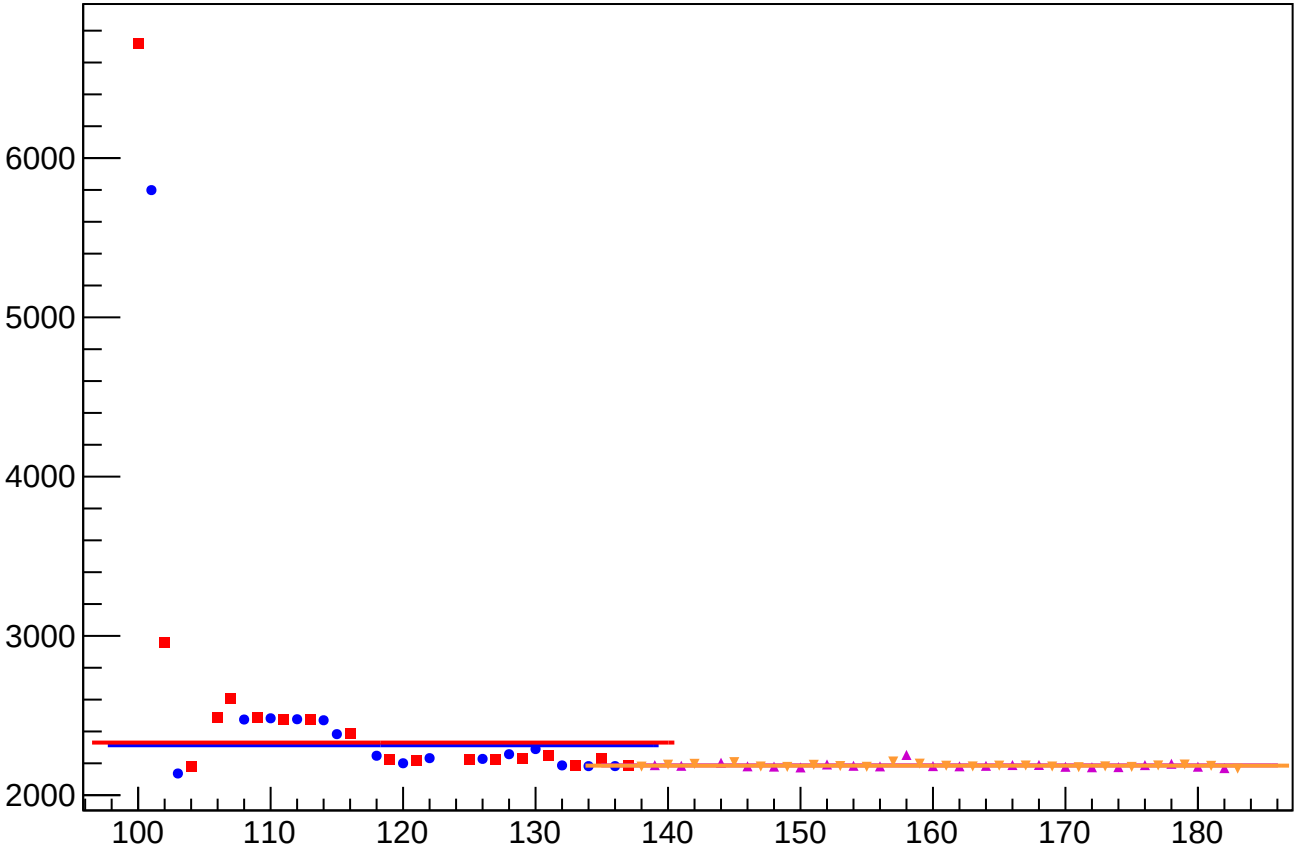
Left In: -4185.940+/-514.845 χ^2/NDF:32.1/21

+ sign 3935.119+/-441.154 χ^2/NDF: 37.8/38

All: -78.595+/-312.680 χ^2/NDF: 252.5/78

- sign -4130.491+/-443.247 χ^2/NDF: 48.3/39

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2185.407+/-0.361 χ^2/NDF:774.7/22

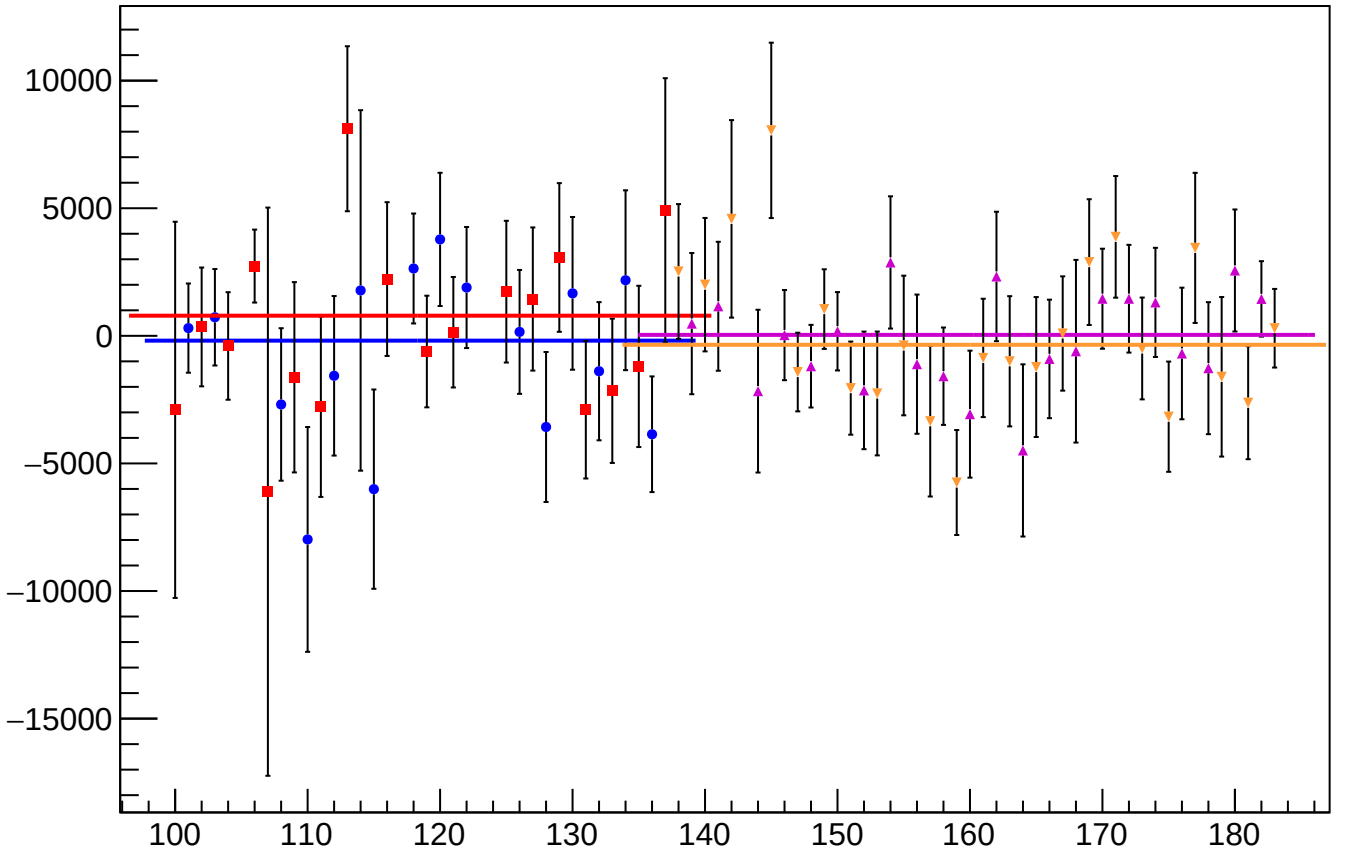
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.052+/-0.364 χ^2/NDF:2020.7/21

+ sign 2217.934+/-0.312 χ^2/NDF: 545062.1/38

All: 2221.001+/-0.221 χ^2/NDF: 738500.7/78

- sign 2224.098+/-0.313 χ^2/NDF: 193244.3/39



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -350.965+/-468.834 χ^2/NDF:30.2/22

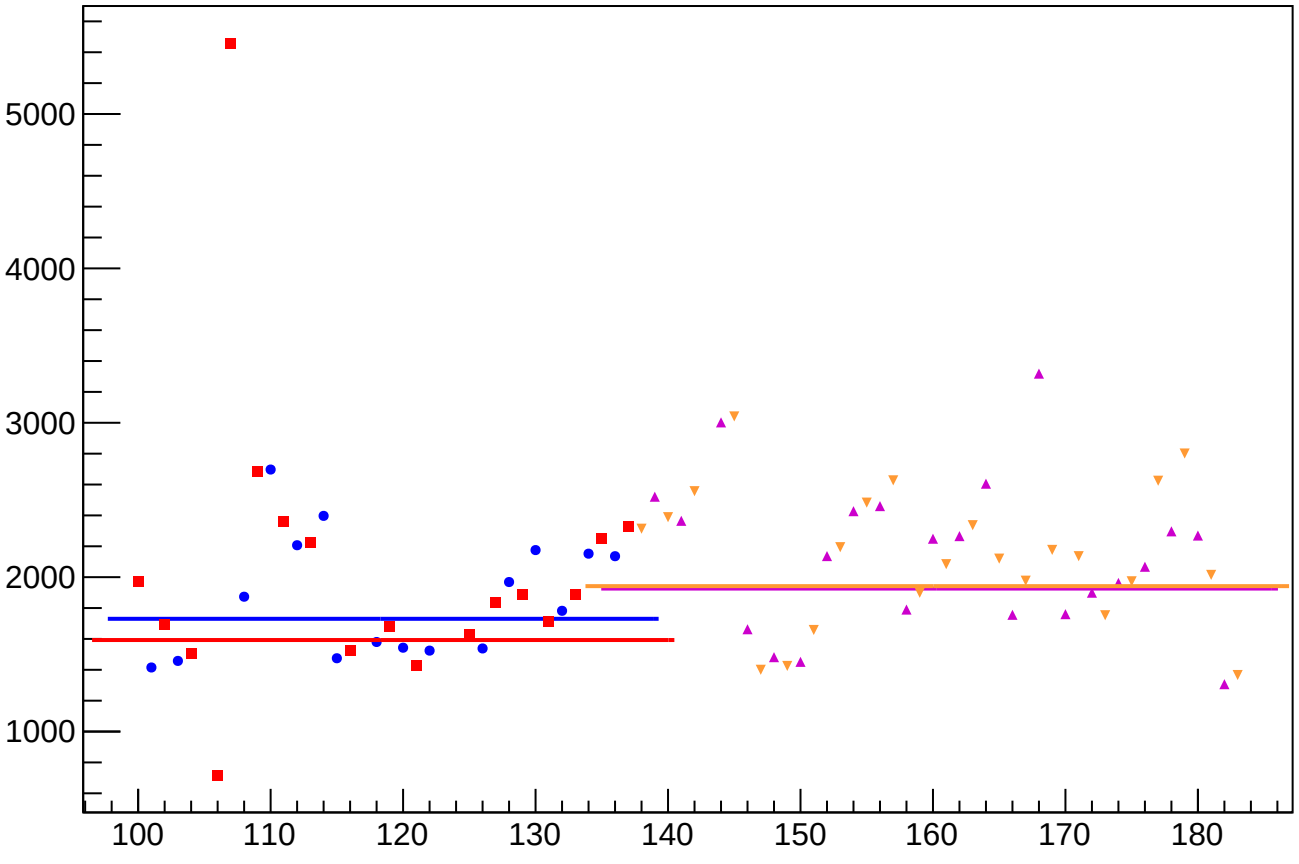
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 37.107+/-468.176 χ^2/NDF:12.3/21

+ sign -296.349+/-381.891 χ^2/NDF: 46.7/38

All: 6.864+/-268.222 χ^2/NDF: 76.0/78

- sign 302.058+/-376.807 χ^2/NDF: 28.1/39



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1941.874+/-0.332 χ^2/NDF:1731118.5/22

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

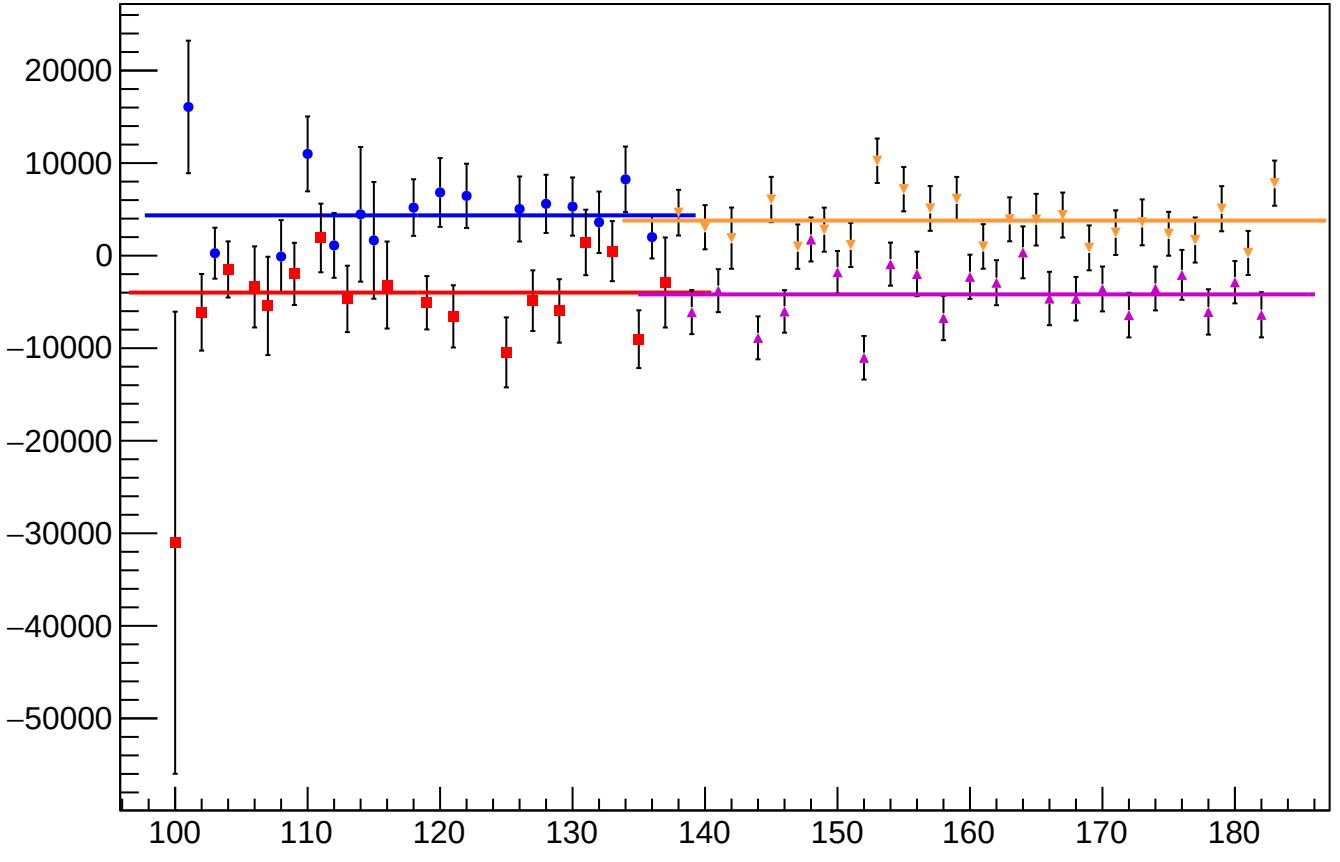
Left In: 1926.139+/-0.331 χ^2/NDF:1863924.4/21

+ sign 1870.675+/-0.270 χ^2/NDF: 2347124.2/38

All: 1839.290+/-0.190 χ^2/NDF: 6150978.9/78

- sign 1808.735+/-0.266 χ^2/NDF: 3777195.7/39

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3792.262+/-510.800 χ^2/NDF:24.2/22

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

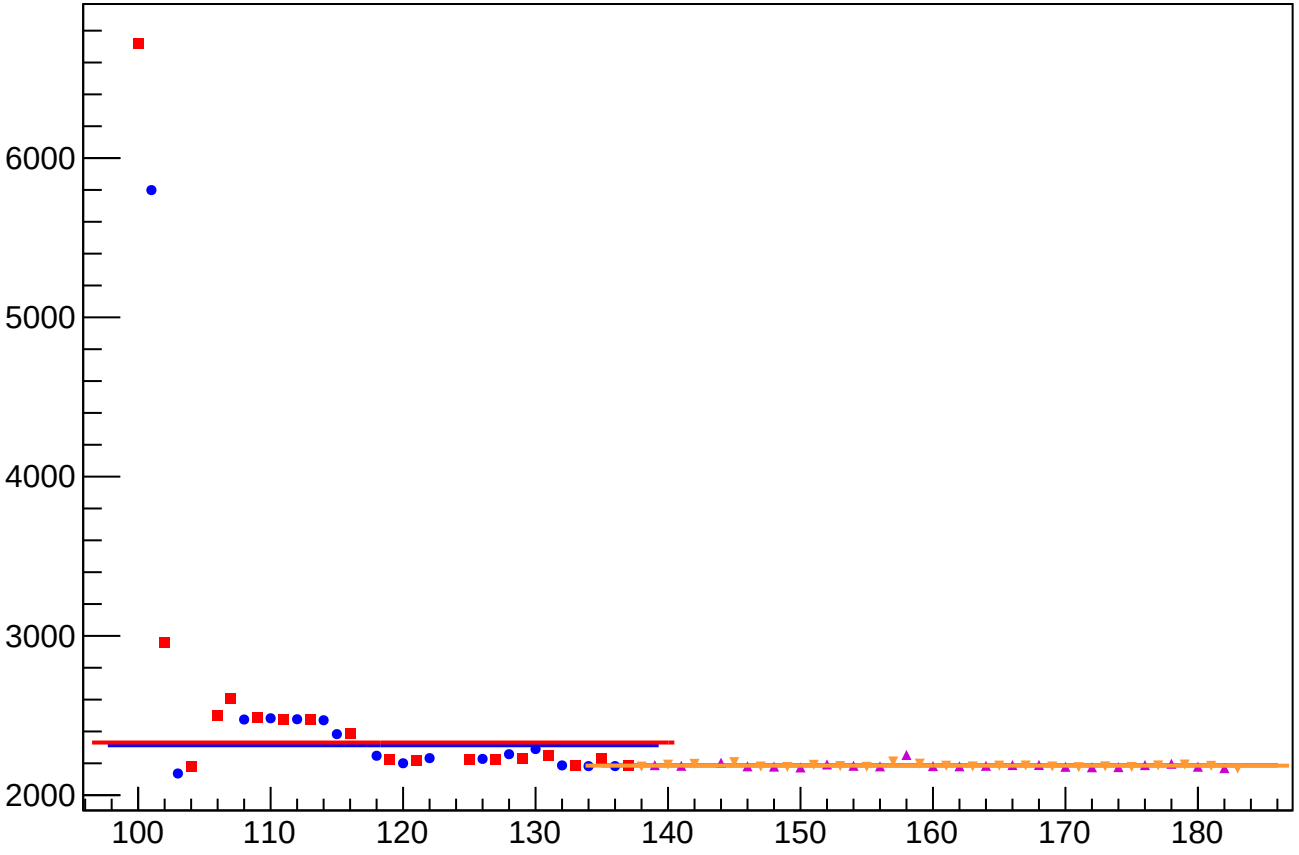
Left In: -4186.024+/-514.845 χ^2/NDF:32.1/21

+ sign 3934.918+/-441.154 χ^2/NDF: 37.8/38

All: -80.898+/-312.687 χ^2/NDF: 252.6/78

- sign -4135.278+/-443.267 χ^2/NDF: 48.2/39

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.407+/-0.361 χ^2/NDF:774.7/22

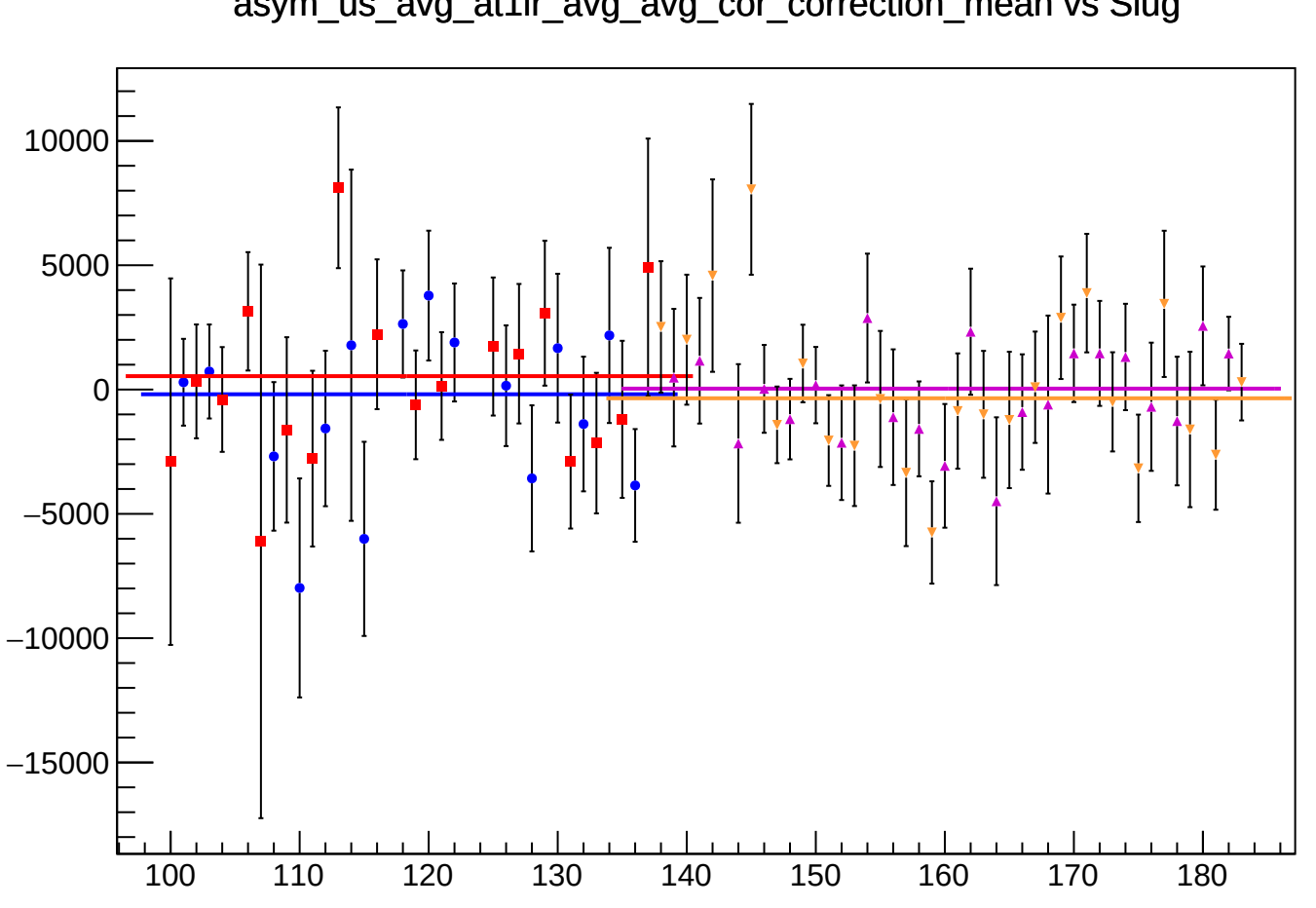
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.053+/-0.364 χ^2/NDF:2020.7/21

+ sign 2217.934+/-0.312 χ^2/NDF: 545062.4/38

All: 2221.044+/-0.221 χ^2/NDF: 739049.1/78

- sign 2224.184+/-0.313 χ^2/NDF: 193786.8/39



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -350.967+/-468.833 χ^2/NDF:30.2/22

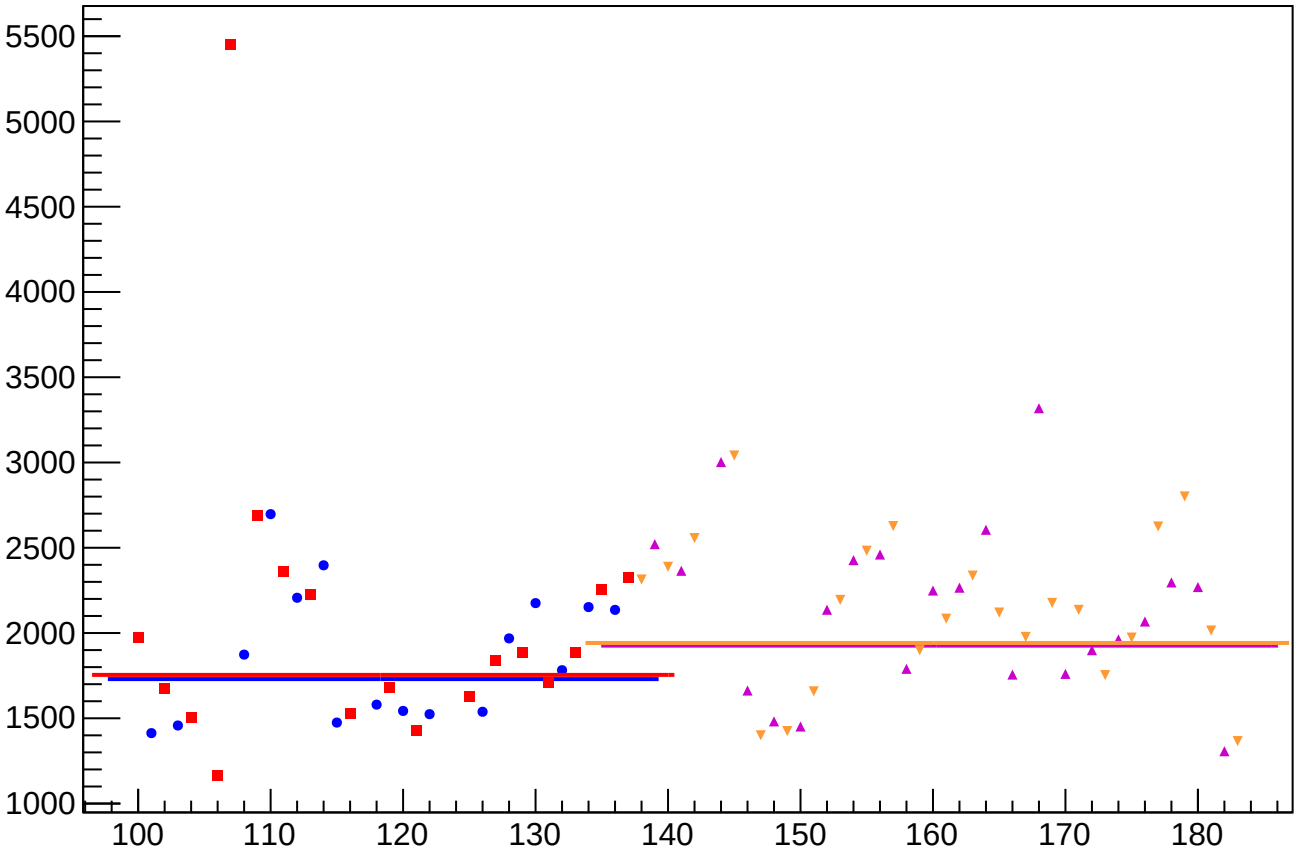
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 37.100+/-468.177 χ^2/NDF:12.3/21

+ sign -296.707+/-381.865 χ^2/NDF: 46.6/38

All: -50.945+/-271.223 χ^2/NDF: 74.1/78

- sign 199.247+/-385.292 χ^2/NDF: 26.6/39



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1941.872+/-0.332 χ^2/NDF:1731149.2/22

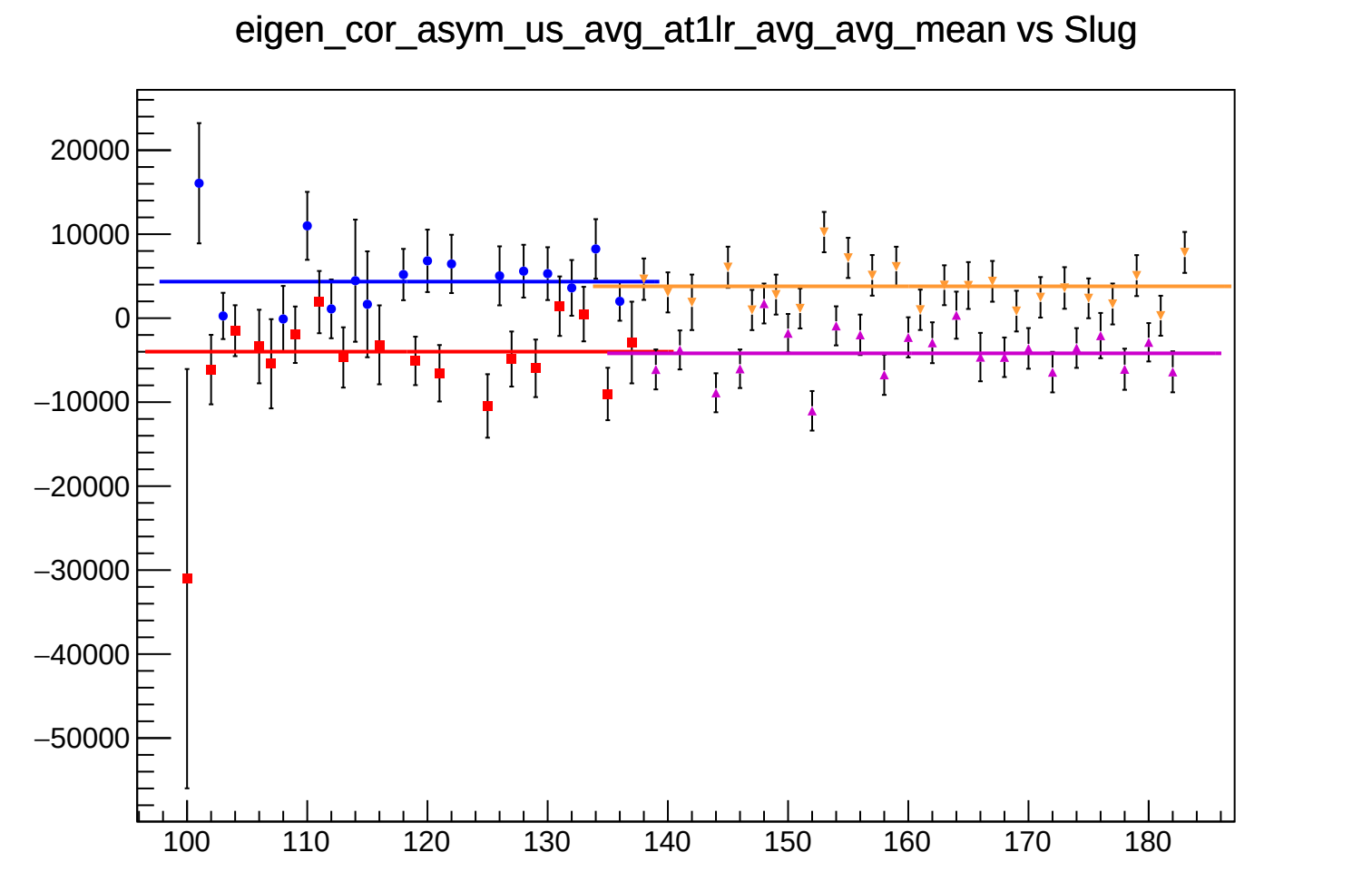
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1926.143+/-0.331 χ^2/NDF:1863960.5/21

+ sign 1870.524+/-0.270 χ^2/NDF: 2348658.8/38

All: 1870.639+/-0.192 χ^2/NDF: 5050360.2/78

- sign 1870.756+/-0.272 χ^2/NDF: 2701701.0/39



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3792.262+/-510.800 χ^2/NDF:24.2/22

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

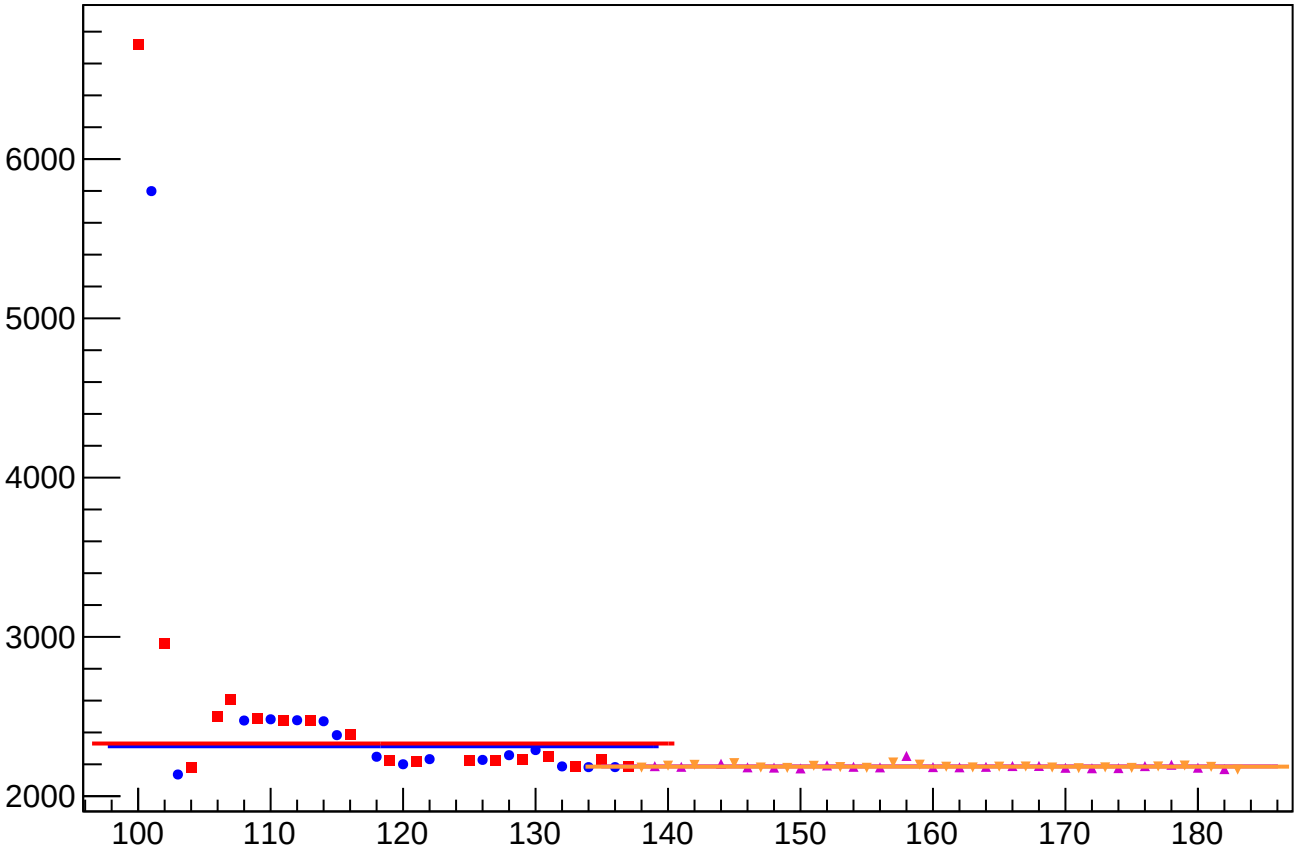
Left In: -4186.024+/-514.845 χ^2/NDF:32.1/21

+ sign 3934.918+/-441.154 χ^2/NDF: 37.8/38

All: -80.898+/-312.687 χ^2/NDF: 252.6/78

- sign -4135.278+/-443.267 χ^2/NDF: 48.2/39

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.407+/-0.361 χ^2/NDF:774.7/22

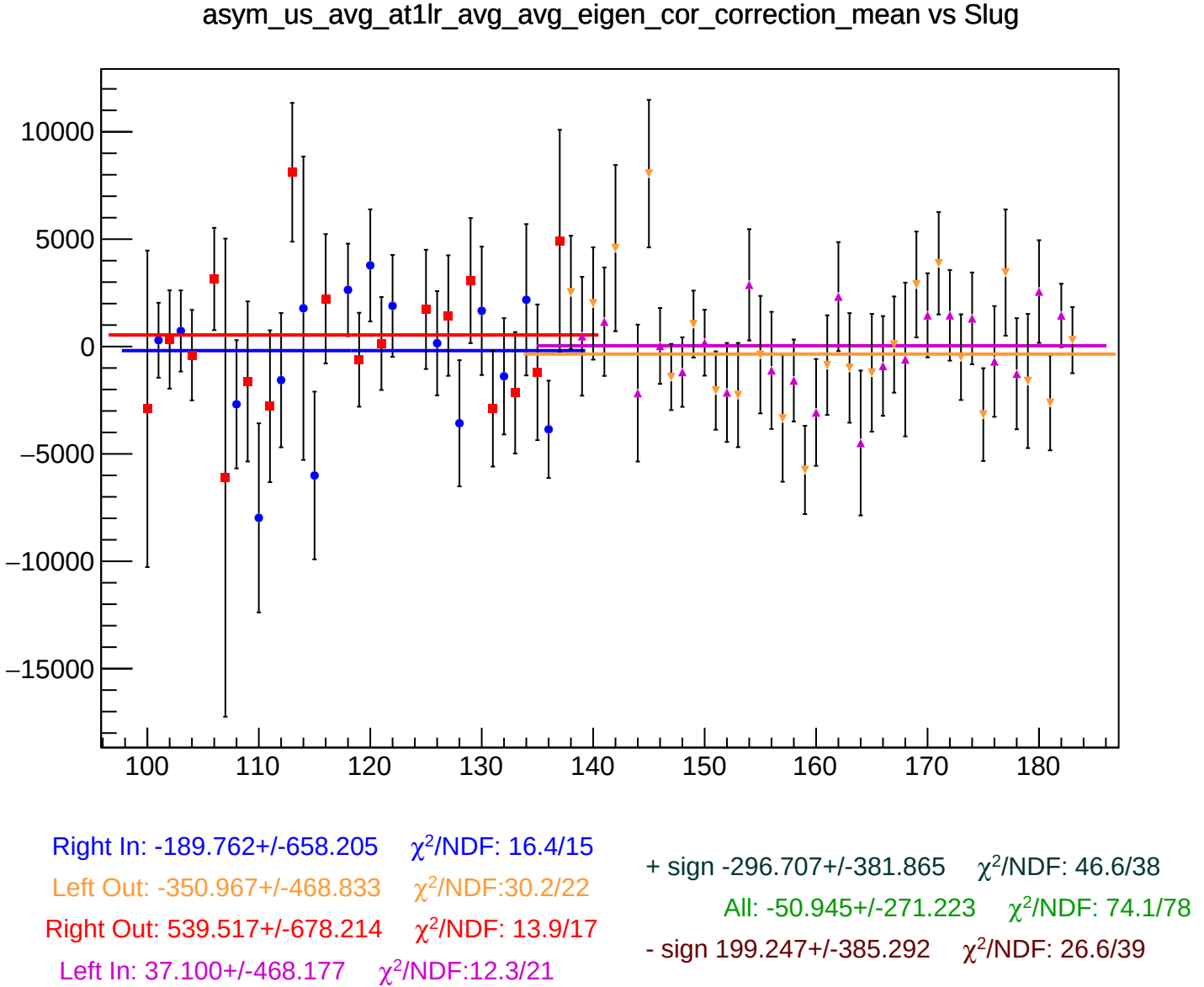
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

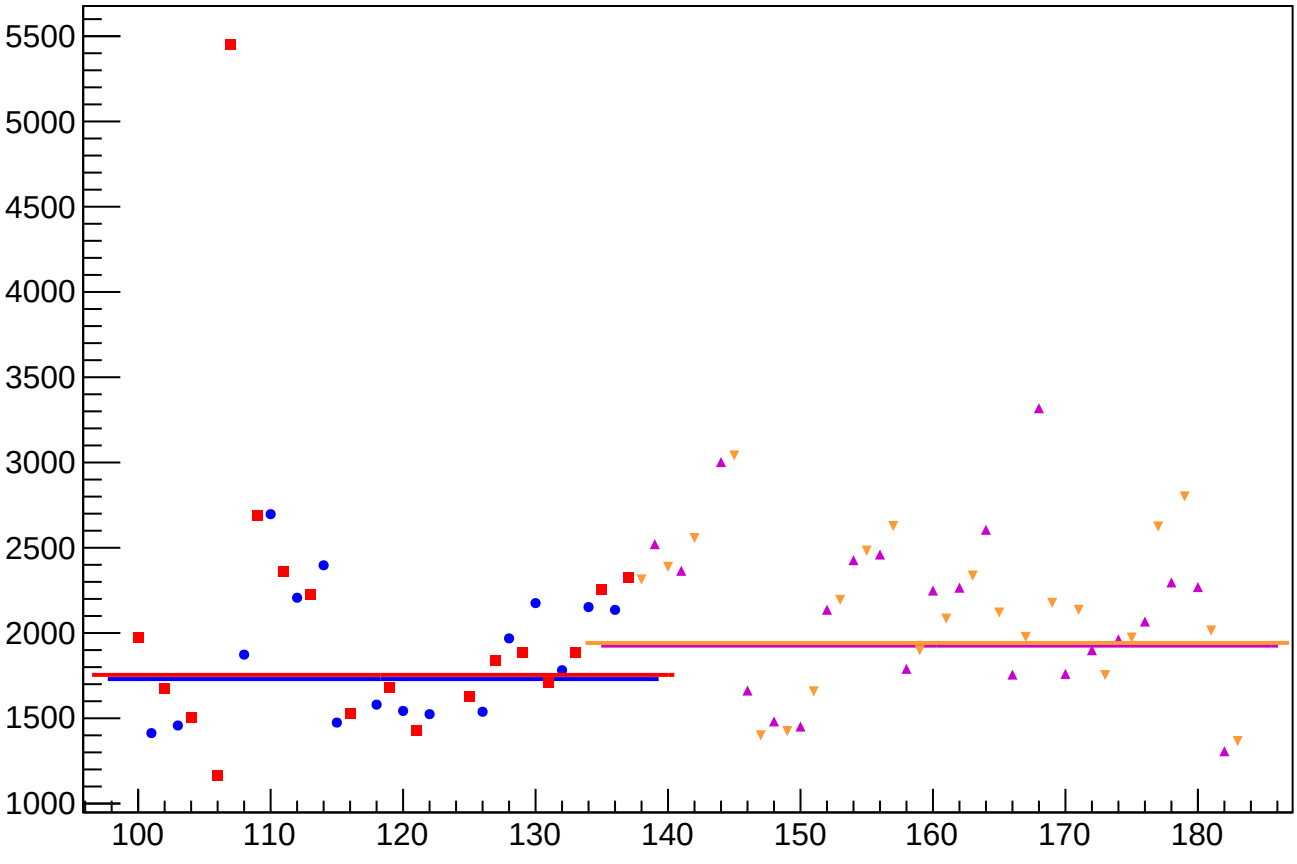
Left In: 2187.053+/-0.364 χ^2/NDF:2020.7/21

+ sign 2217.934+/-0.312 χ^2/NDF: 545062.4/38

All: 2221.044+/-0.221 χ^2/NDF: 739049.1/78

- sign 2224.184+/-0.313 χ^2/NDF: 193786.8/39


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -350.967+/-468.833 χ²/NDF:30.2/22
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 37.100+/-468.177 χ²/NDF:12.3/21
+ sign -296.707+/-381.865 χ²/NDF: 46.6/38
All: -50.945+/-271.223 χ²/NDF: 74.1/78
- sign 199.247+/-385.292 χ²/NDF: 26.6/39



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1941.872+/-0.332 χ^2/NDF:1731149.2/22

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

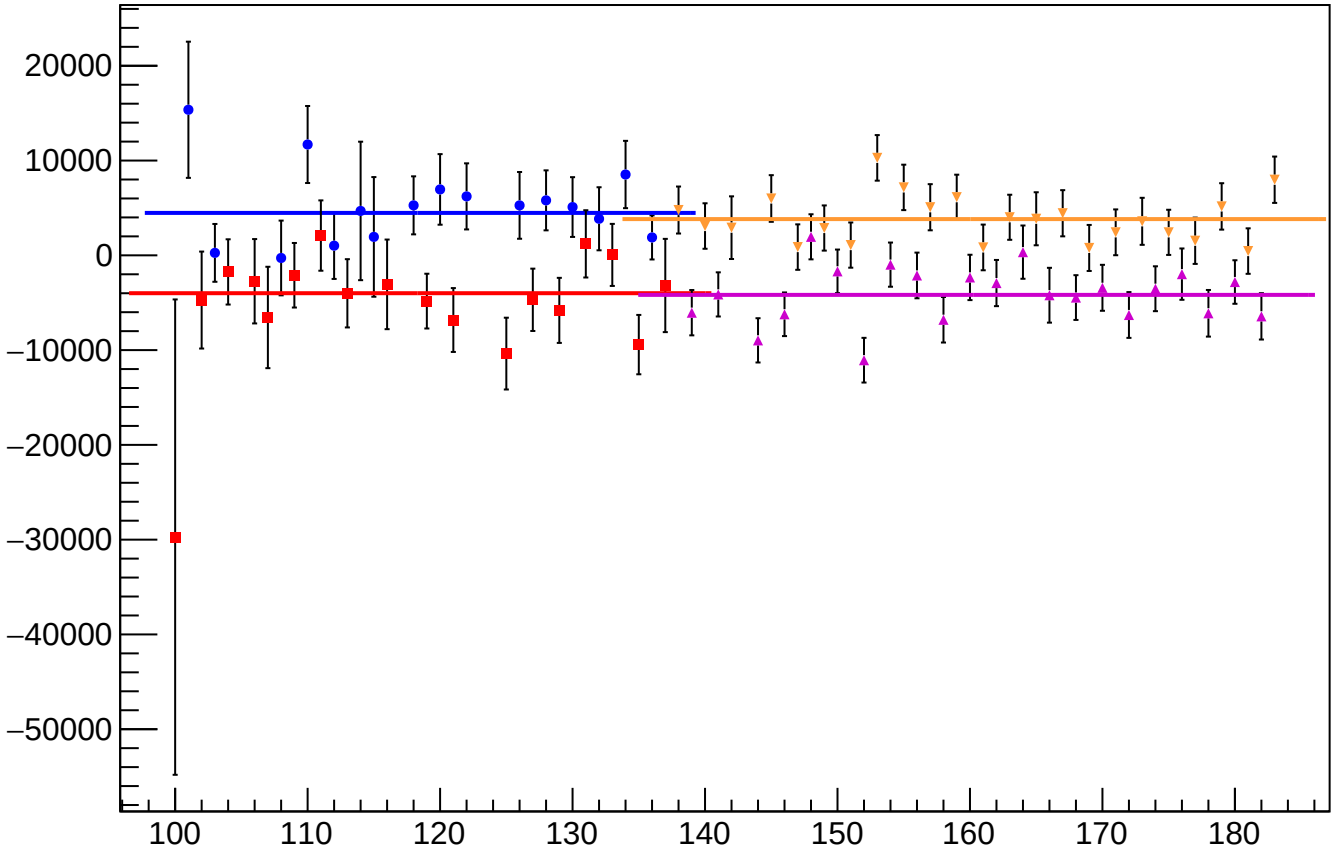
Left In: 1926.143+/-0.331 χ^2/NDF:1863960.5/21

+ sign 1870.524+/-0.270 χ^2/NDF: 2348658.8/38

All: 1870.639+/-0.192 χ^2/NDF: 5050360.2/78

- sign 1870.756+/-0.272 χ^2/NDF: 2701701.0/39

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3823.800+/-512.235 χ^2/NDF:24.4/22

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

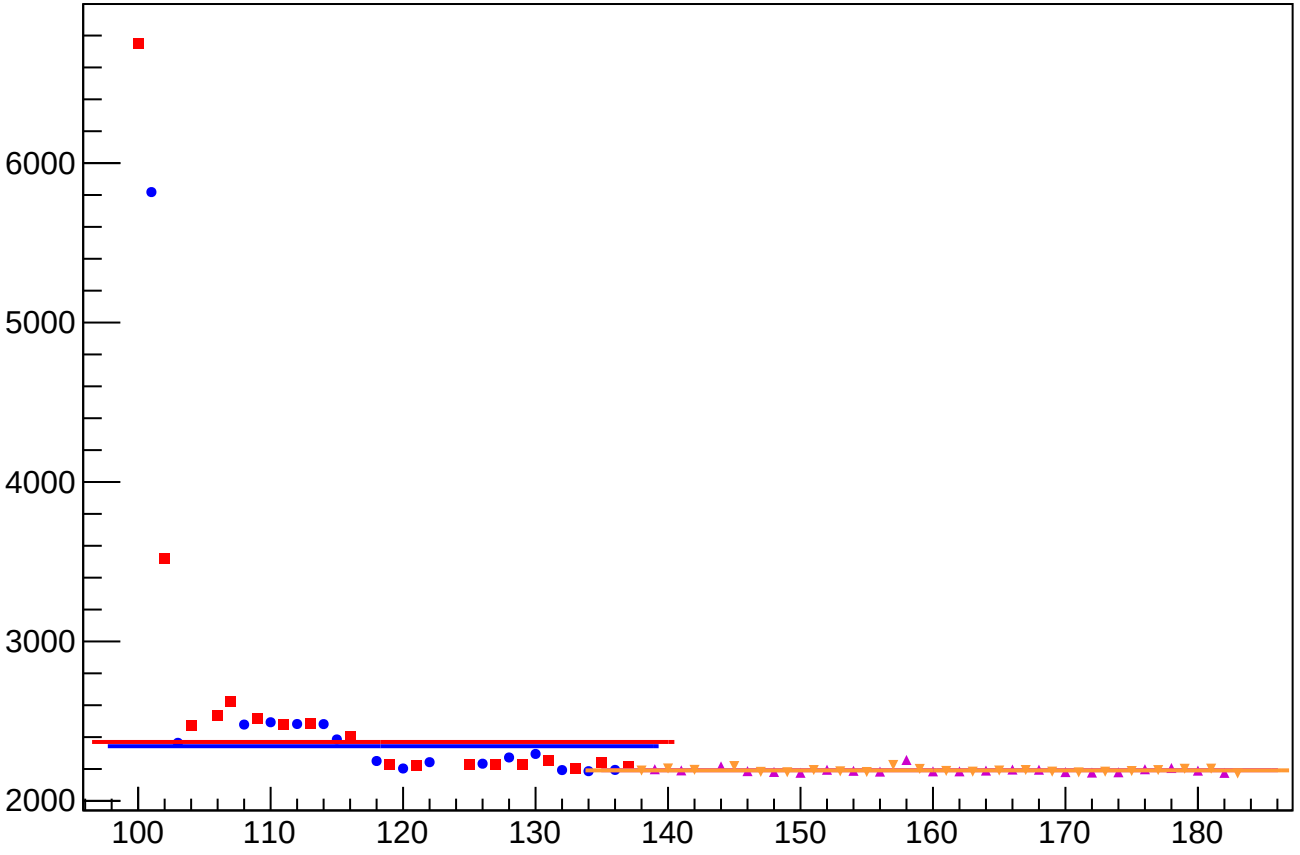
Left In: -4173.439+/-516.150 χ^2/NDF:32.6/21

\+ sign 3987.270+/-443.467 χ^2/NDF: 38.3/38

All: -42.613+/-314.664 χ^2/NDF: 252.8/78

\- sign -4128.765+/-446.552 χ^2/NDF: 48.2/39

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.469+/-0.362 χ^2/NDF:1173.4/22

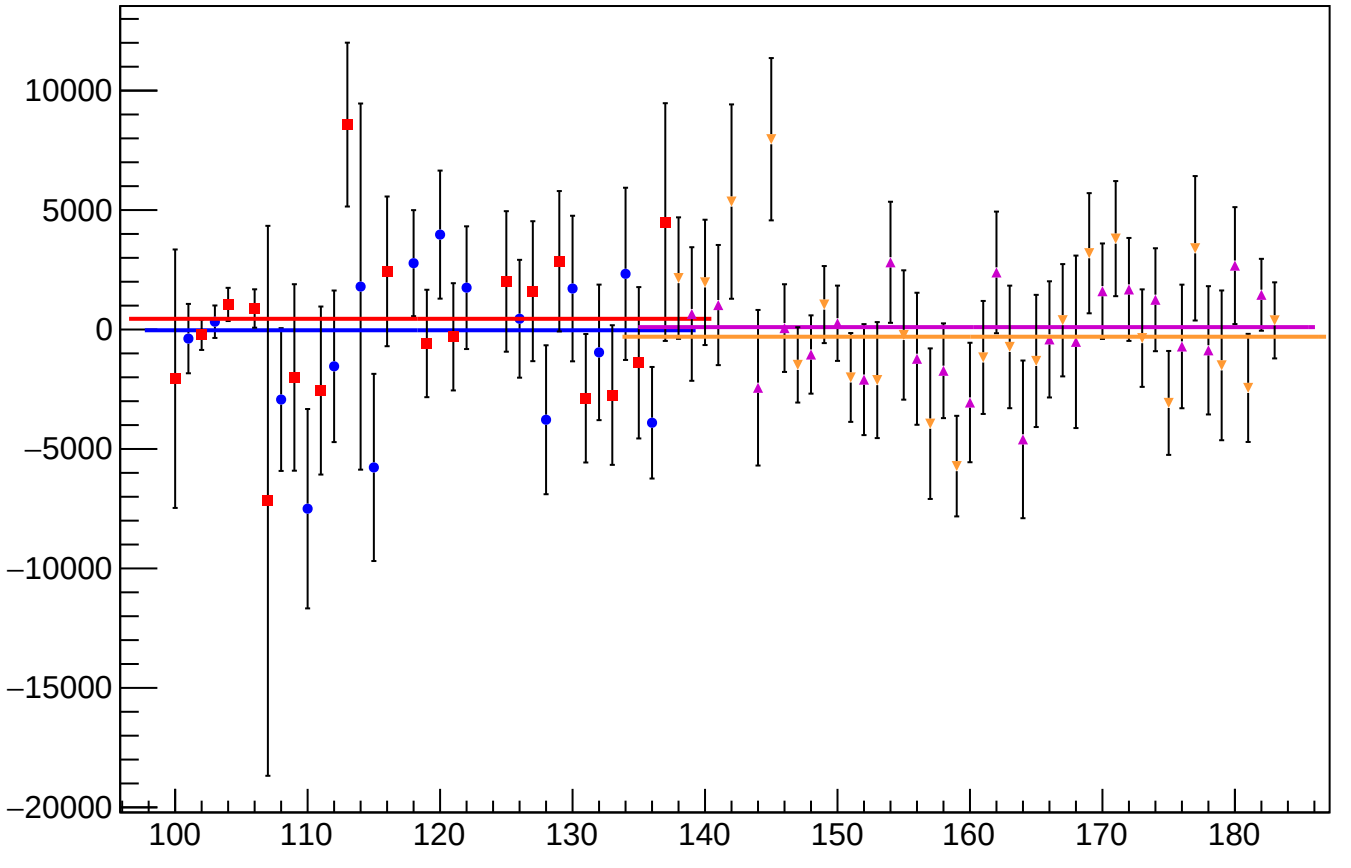
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.547+/-0.365 χ^2/NDF:2227.5/21

+ sign 2229.403+/-0.314 χ^2/NDF: 547829.4/38

All: 2233.209+/-0.223 χ^2/NDF: 819669.1/78

- sign 2237.069+/-0.316 χ^2/NDF: 271543.0/39



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -301.900+/-477.740 χ^2/NDF:29.7/22

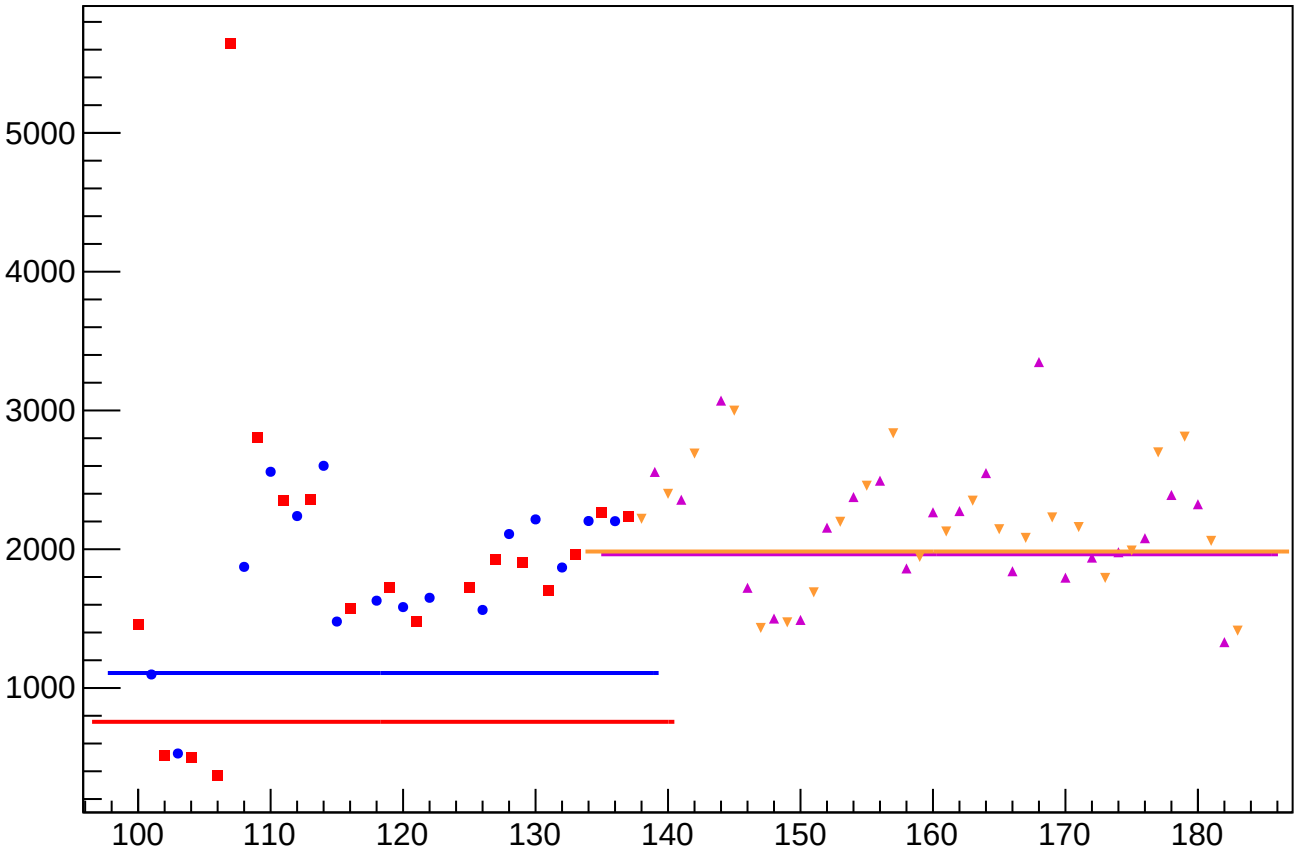
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 100.364+/-476.226 χ^2/NDF:12.4/21

+ sign -168.778+/-340.464 χ^2/NDF: 46.2/38

All: 116.088+/-220.095 χ^2/NDF: 75.3/78

- sign 320.602+/-288.478 χ^2/NDF: 27.9/39



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1983.611+/-0.338 χ^2/NDF:1640156.6/22

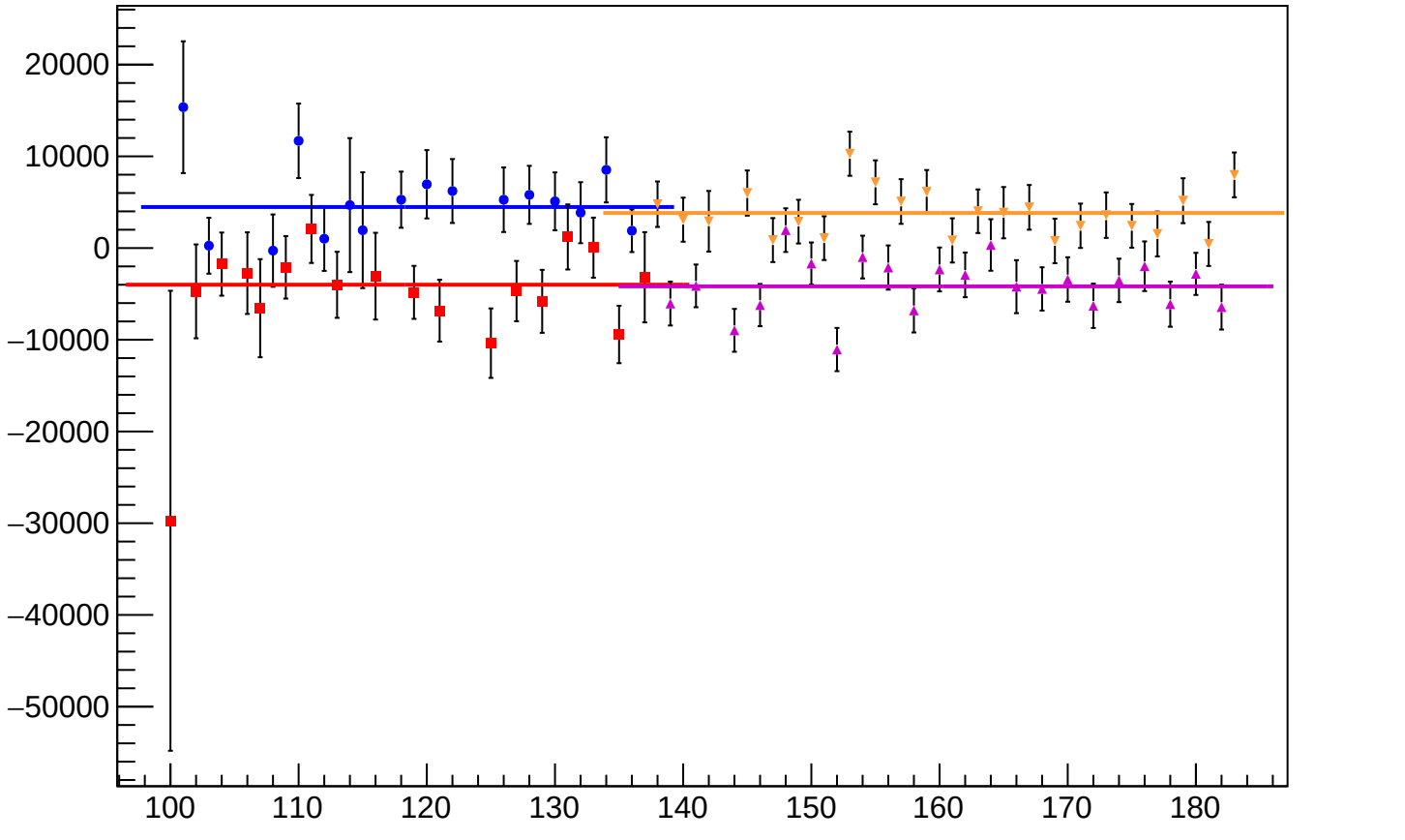
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1963.705+/-0.337 χ^2/NDF:1779152.6/21

+ sign 1552.773+/-0.241 χ^2/NDF: 8691872.6/38

All: 1347.091+/-0.156 χ^2/NDF: 25465236.9/7

- sign 1199.425+/-0.204 χ^2/NDF: 15519398.3/39



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3823.798+/-512.235 χ^2/NDF:24.4/22

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

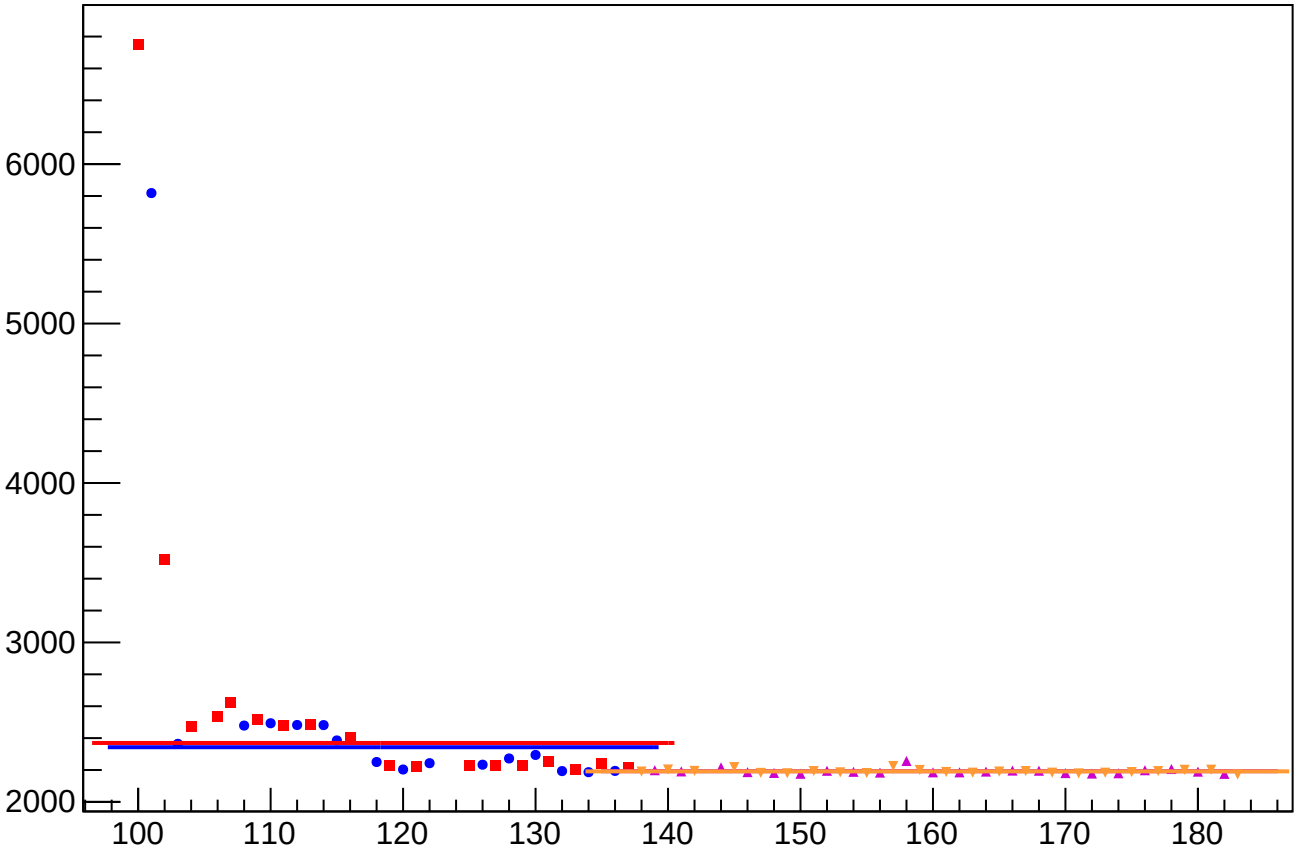
Left In: -4173.440+/-516.150 χ^2/NDF:32.6/21

\+ sign 3987.268+/-443.467 χ^2/NDF: 38.3/38

All: -42.614+/-314.664 χ^2/NDF: 252.8/78

\- sign -4128.765+/-446.552 χ^2/NDF: 48.2/39

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.469+/-0.362 χ^2/NDF:1173.4/22

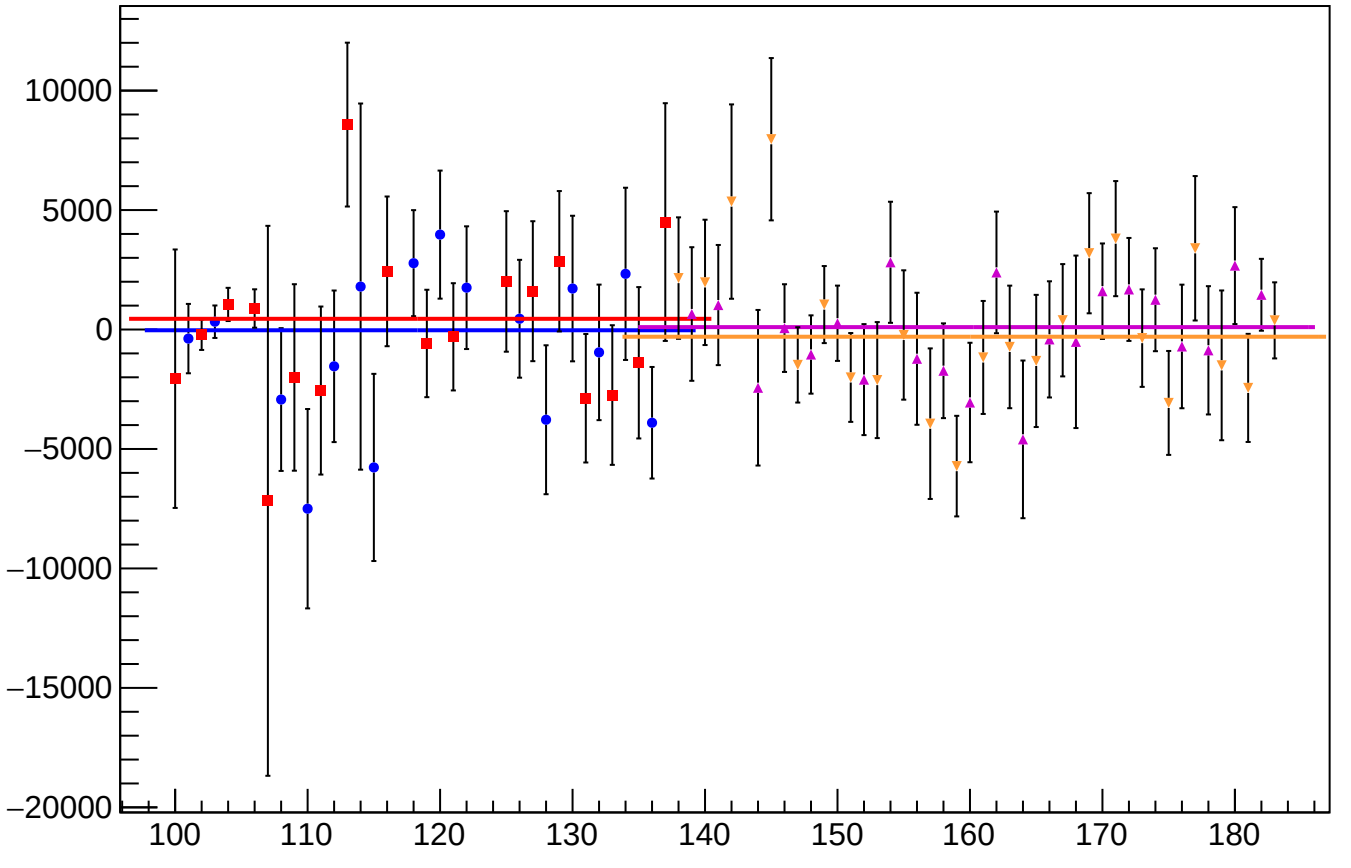
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.547+/-0.365 χ^2/NDF:2227.5/21

+ sign 2229.403+/-0.314 χ^2/NDF: 547829.1/38

All: 2233.209+/-0.223 χ^2/NDF: 819667.4/78

- sign 2237.068+/-0.316 χ^2/NDF: 271541.6/39



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -301.903+/-477.741 χ^2/NDF:29.7/22

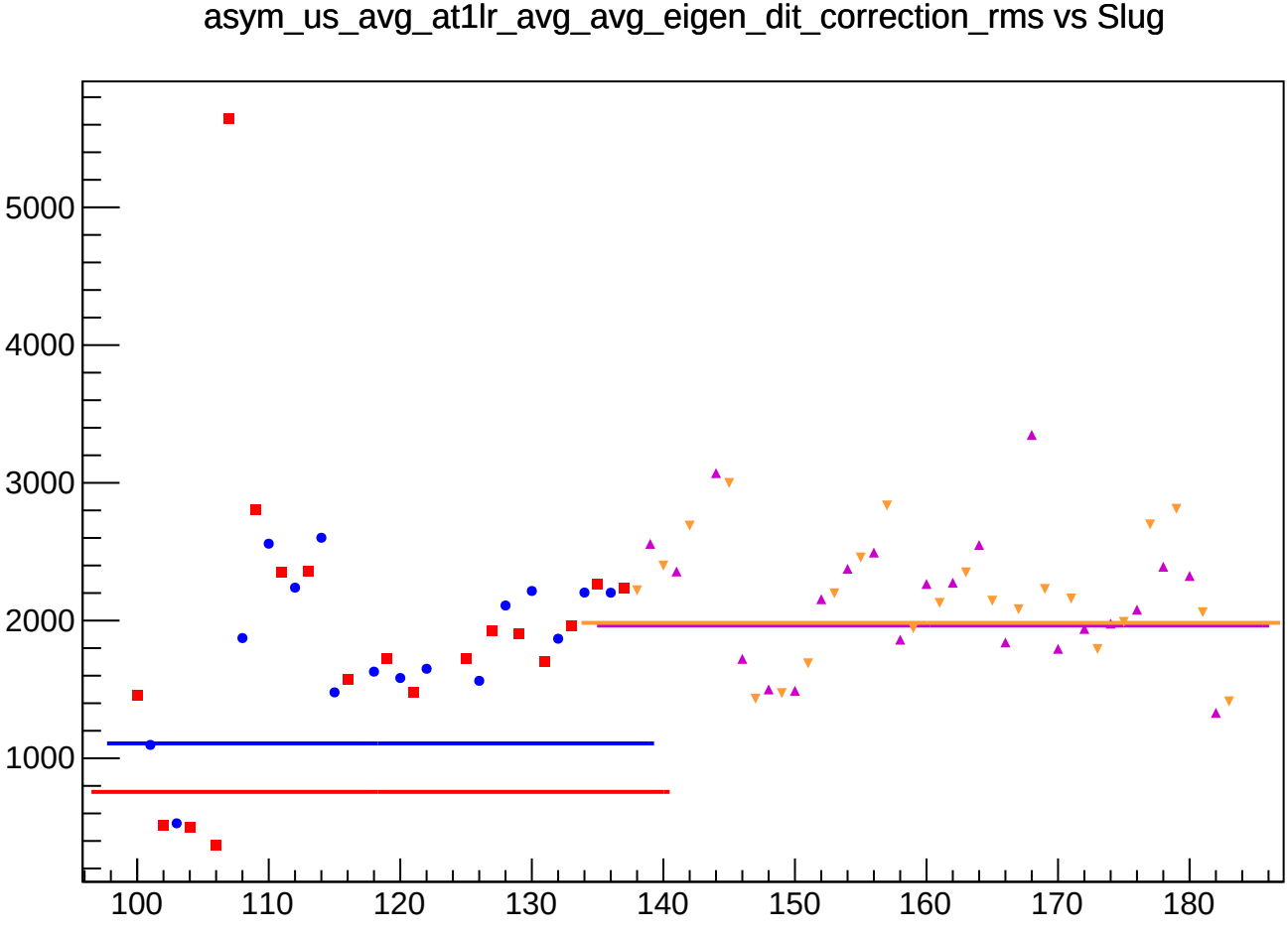
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 100.363+/-476.227 χ^2/NDF:12.4/21

+ sign -168.783+/-340.466 χ^2/NDF: 46.2/38

All: 116.085+/-220.097 χ^2/NDF: 75.3/78

- sign 320.603+/-288.481 χ^2/NDF: 27.9/39



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1983.615+/-0.338 χ^2/NDF:1640155.8/22

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

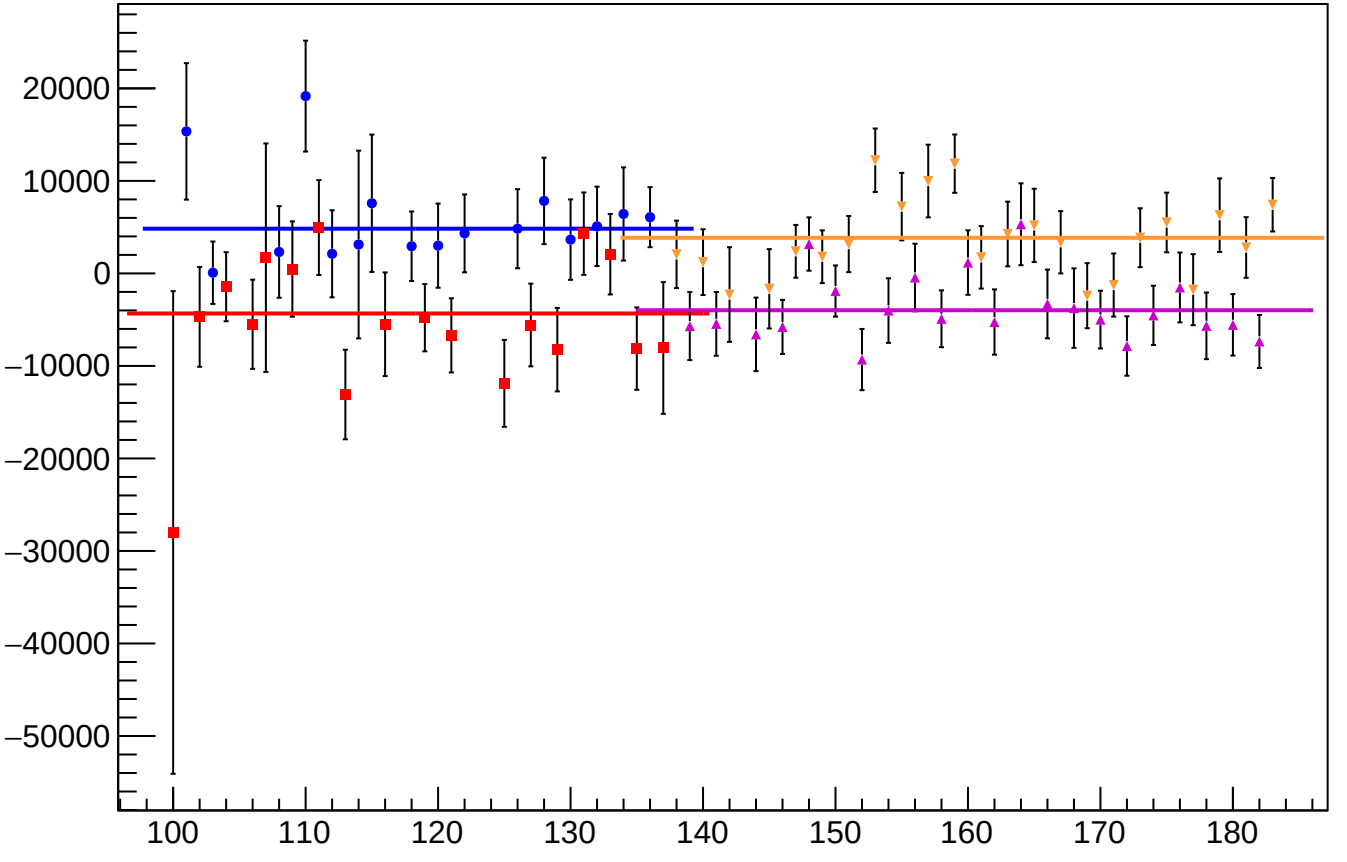
Left In: 1963.708+/-0.337 χ^2/NDF:1779150.6/21

+ sign 1552.781+/-0.241 χ^2/NDF: 8691726.3/38

All: 1347.105+/-0.156 χ^2/NDF: 25464640.5/7

- sign 1199.443+/-0.204 χ^2/NDF: 15519026.4/39

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3849.316+/-715.245 χ^2/NDF:30.8/22

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

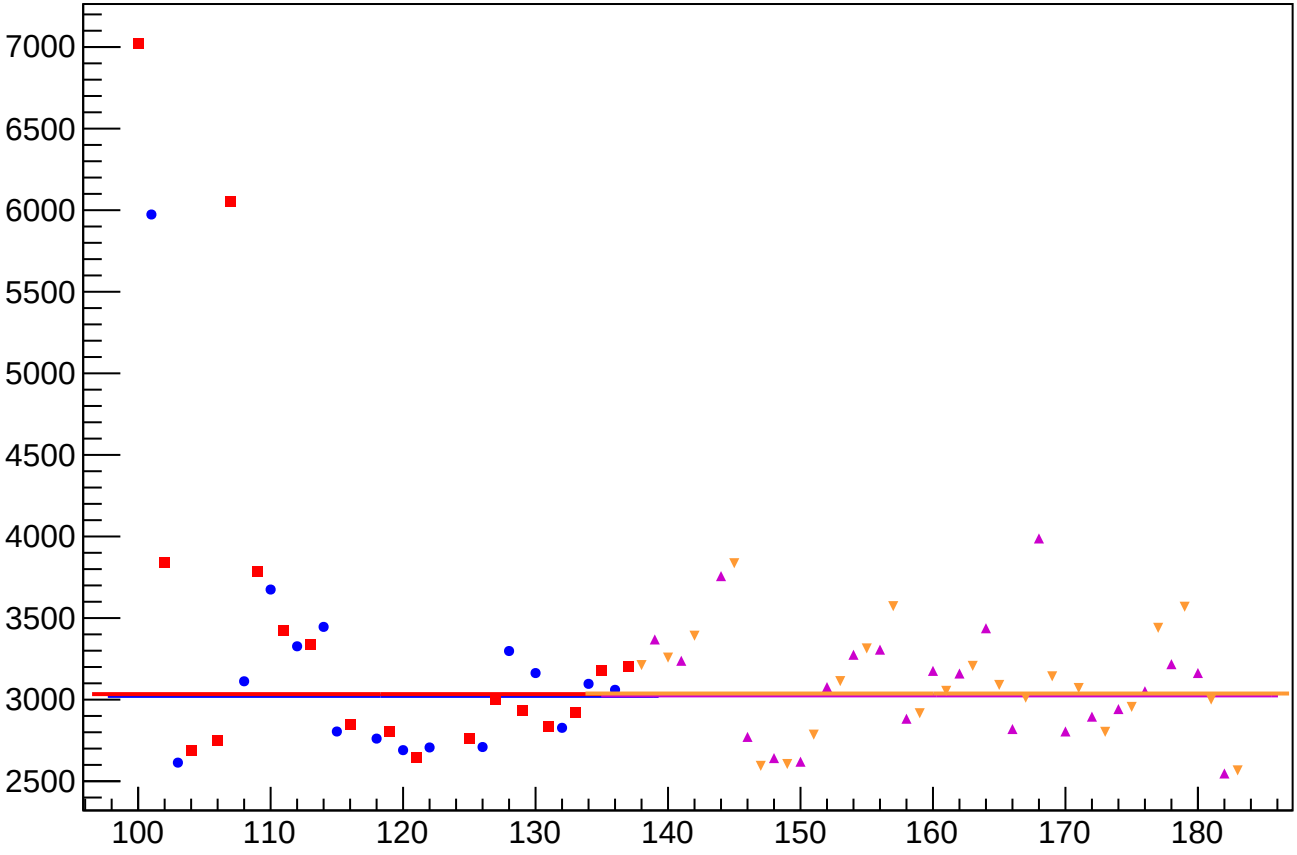
Left In: -3981.552+/-717.634 χ^2/NDF:22.2/21

+ sign 4126.505+/-606.250 χ^2/NDF: 43.0/38

All: 35.364+/-429.302 χ^2/NDF: 176.5/78

- sign -4079.487+/-608.004 χ^2/NDF: 42.1/39

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3037.482+/-0.506 χ^2/NDF:382475.2/22

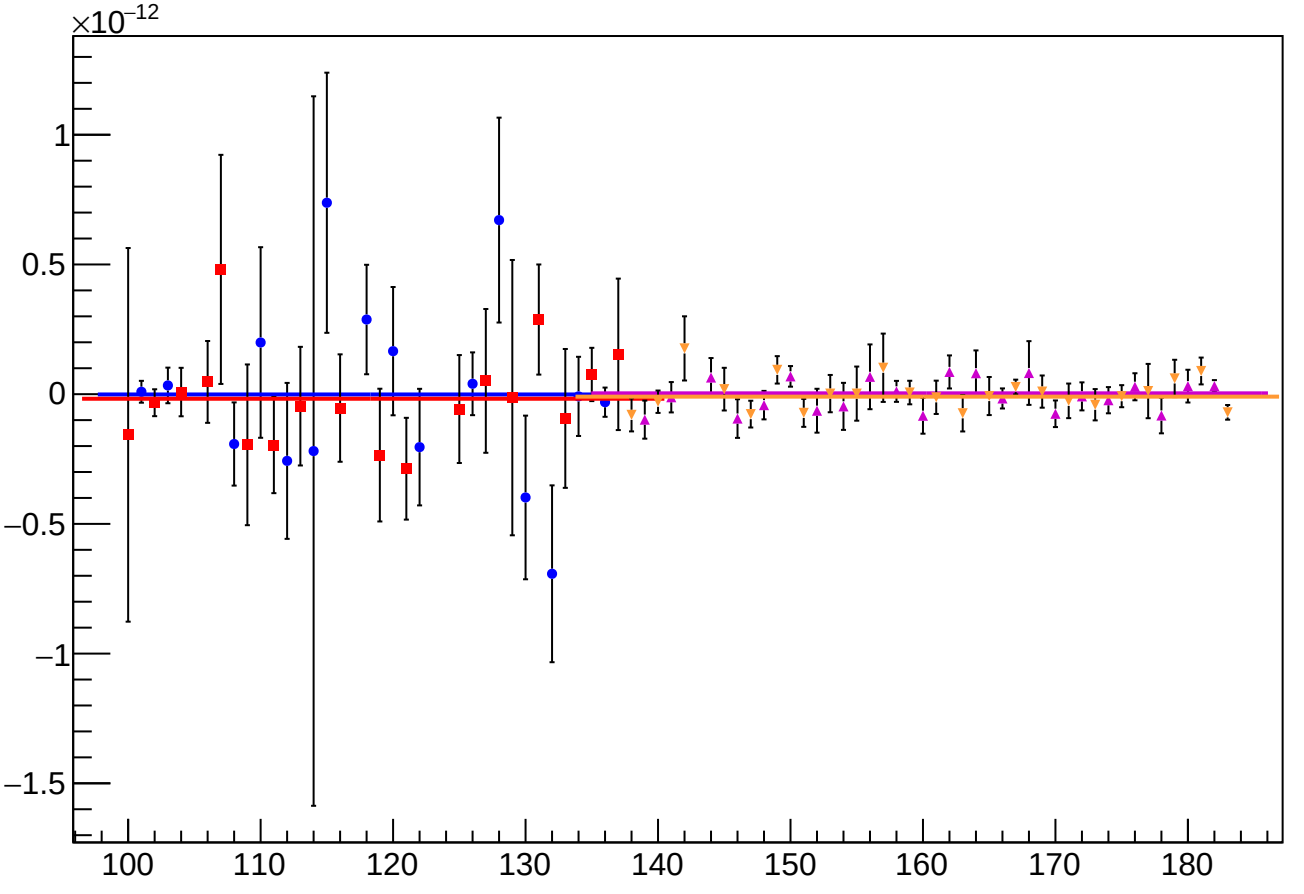
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3025.995+/-0.507 χ^2/NDF:423396.8/21

+ sign 3033.424+/-0.429 χ^2/NDF: 826409.7/38

All: 3030.828+/-0.304 χ^2/NDF: 1592622.7/78

- sign 3028.217+/-0.430 χ^2/NDF: 766139.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.8/22

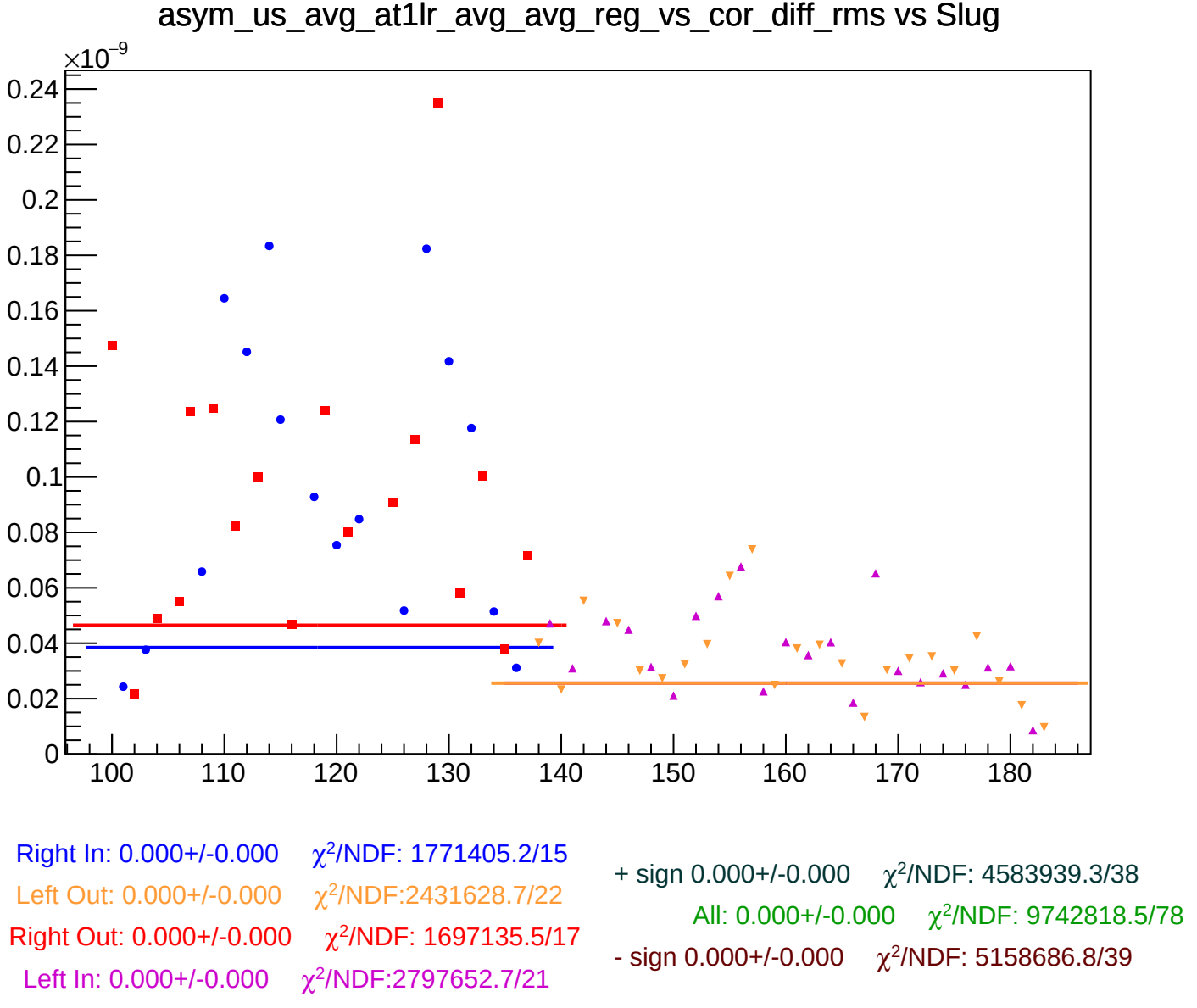
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

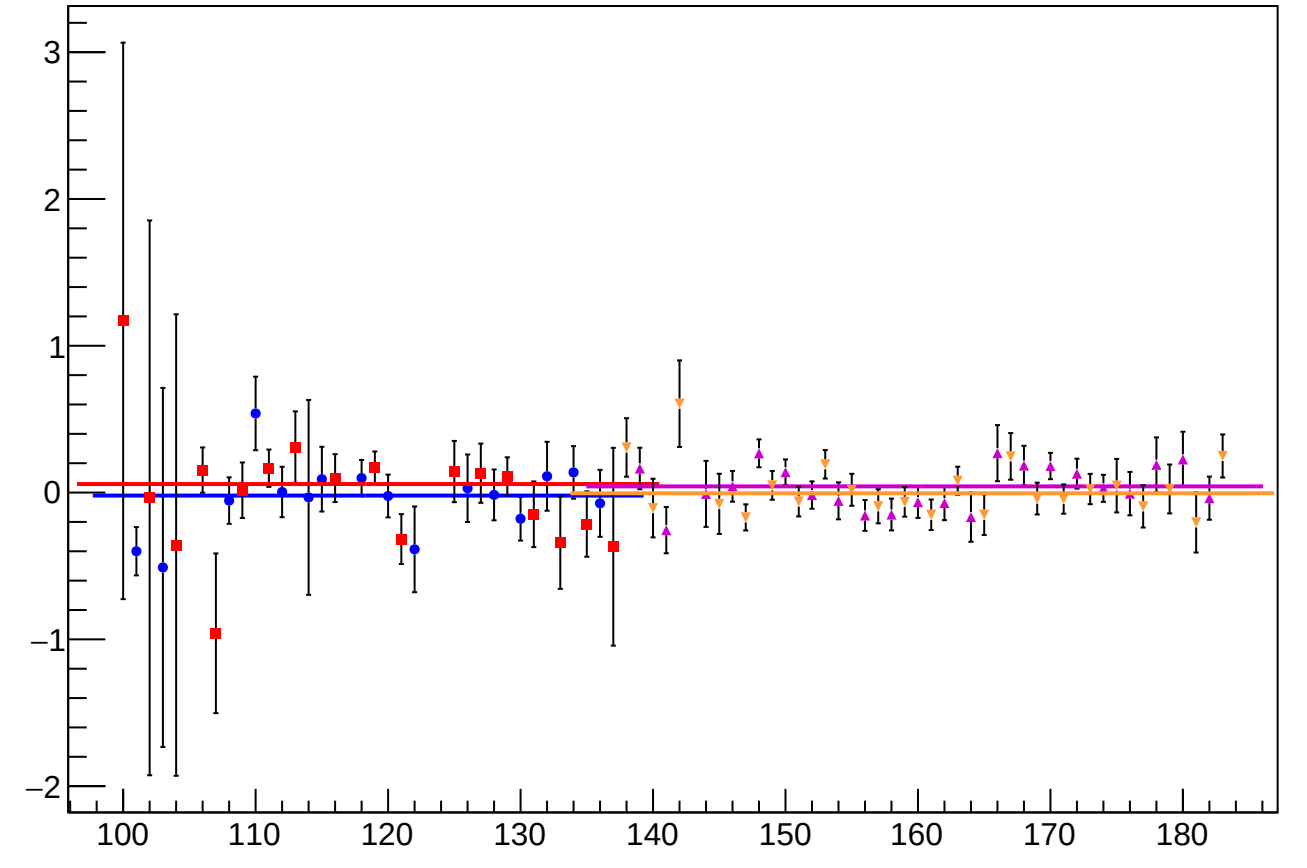
Left In: 0.000+/-0.000 χ^2/NDF:19.7/21

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/38

All: -0.000+/-0.000 χ^2/NDF: 70.4/78

- sign 0.000+/-0.000 χ^2/NDF: 29.1/39


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10^-9
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2431628.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:2797652.7/21
+ sign 0.000+/-0.000 χ²/NDF: 4583939.3/38
All: 0.000+/-0.000 χ²/NDF: 9742818.5/78
- sign 0.000+/-0.000 χ²/NDF: 5158686.8/39



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.026 χ^2/NDF:27.4/22

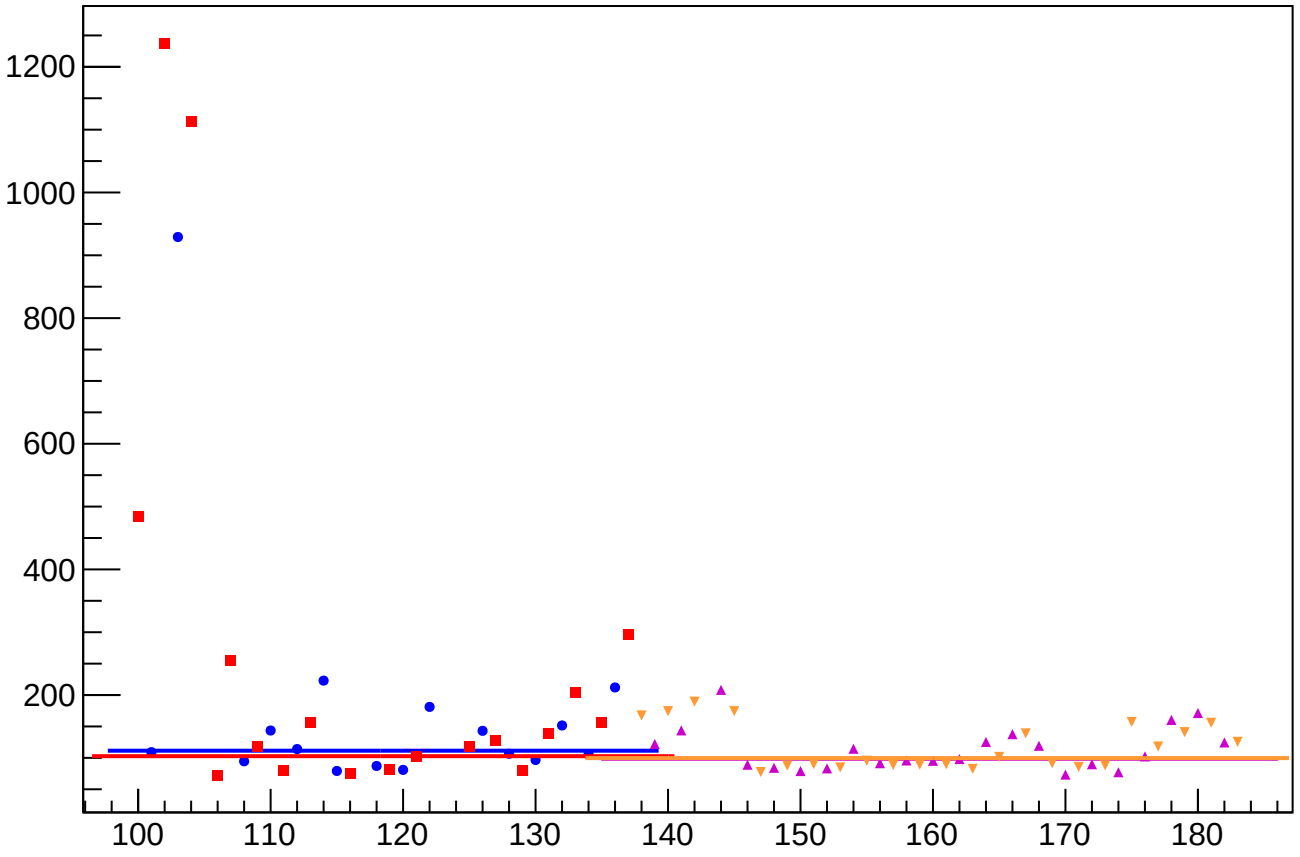
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.042+/-0.025 χ^2/NDF:30.1/21

+ sign -0.008+/-0.023 χ^2/NDF: 43.1/38

All: 0.019+/-0.016 χ^2/NDF: 93.1/78

- sign 0.046+/-0.022 χ^2/NDF: 47.0/39



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 99.622+/-0.018 χ^2/NDF:2070799.2/22

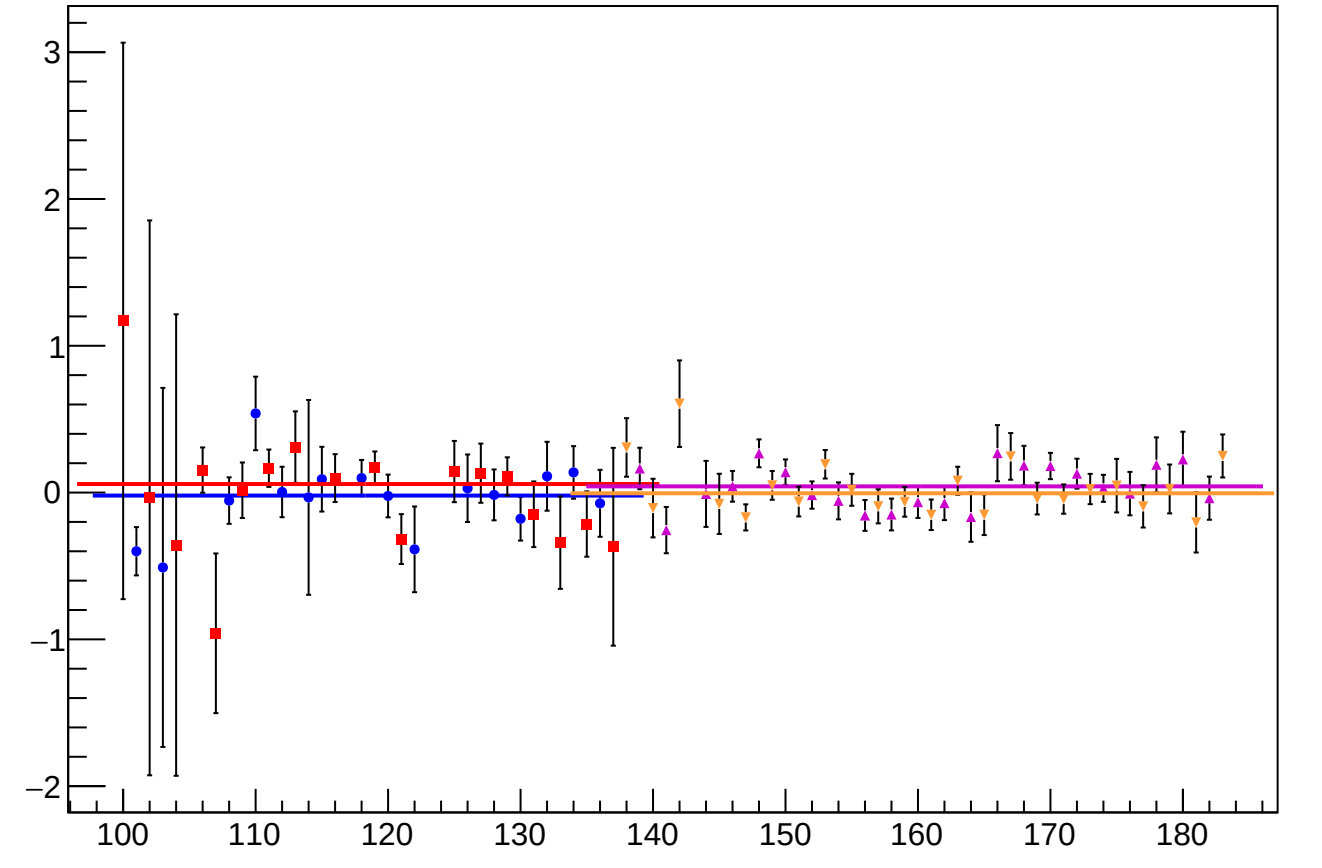
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.577+/-0.018 χ^2/NDF:2001759.5/21

+ sign 102.253+/-0.016 χ^2/NDF: 4005273.2/38

All: 100.864+/-0.011 χ^2/NDF: 8860919.6/78

- sign 99.514+/-0.016 χ^2/NDF: 4840629.6/39



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.026 χ^2/NDF:27.4/22

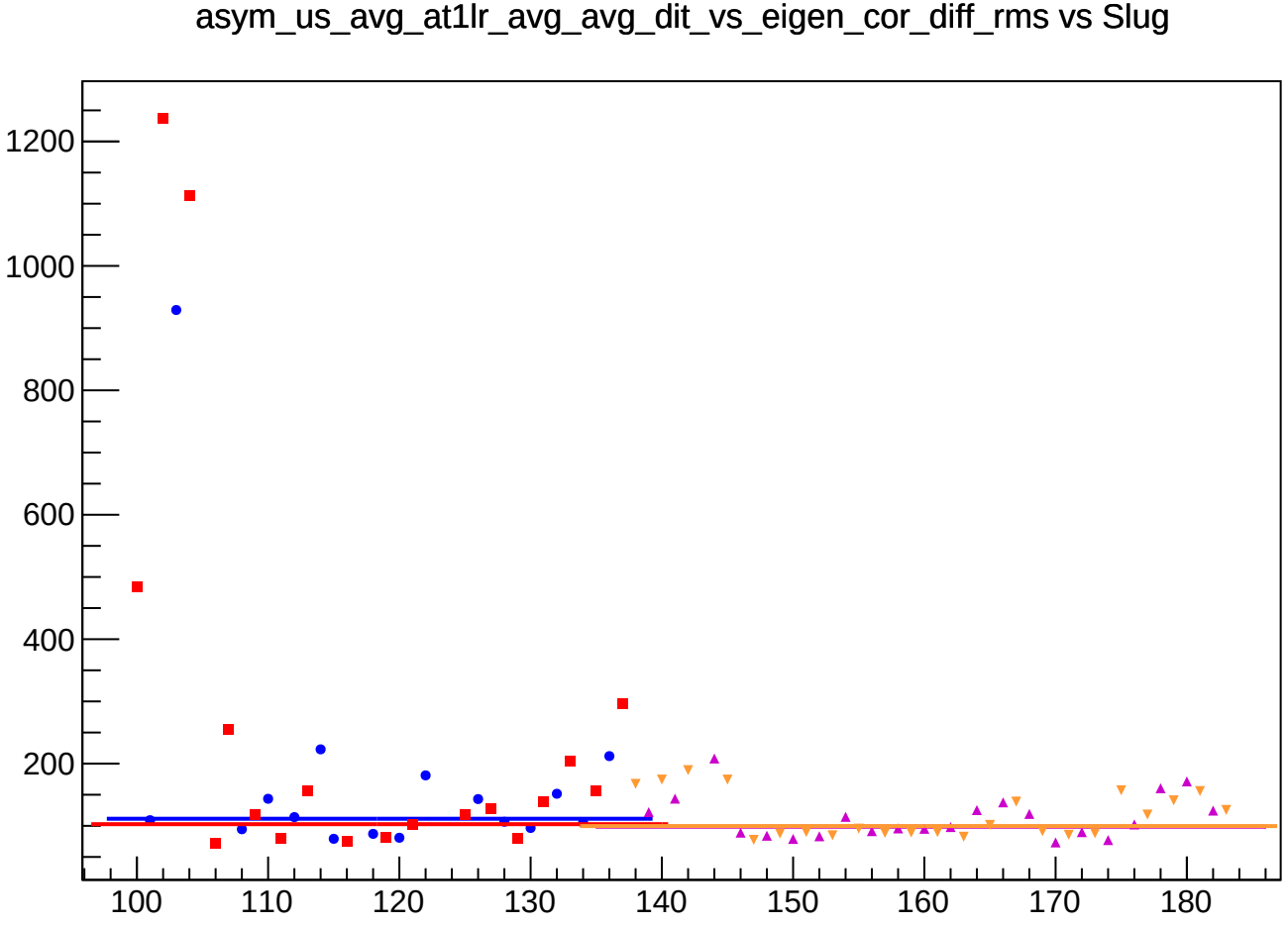
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.042+/-0.025 χ^2/NDF:30.1/21

+ sign -0.008+/-0.023 χ^2/NDF: 43.1/38

All: 0.019+/-0.016 χ^2/NDF: 93.1/78

- sign 0.046+/-0.022 χ^2/NDF: 47.0/39



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 99.622+/-0.018 χ^2/NDF:2070799.2/22

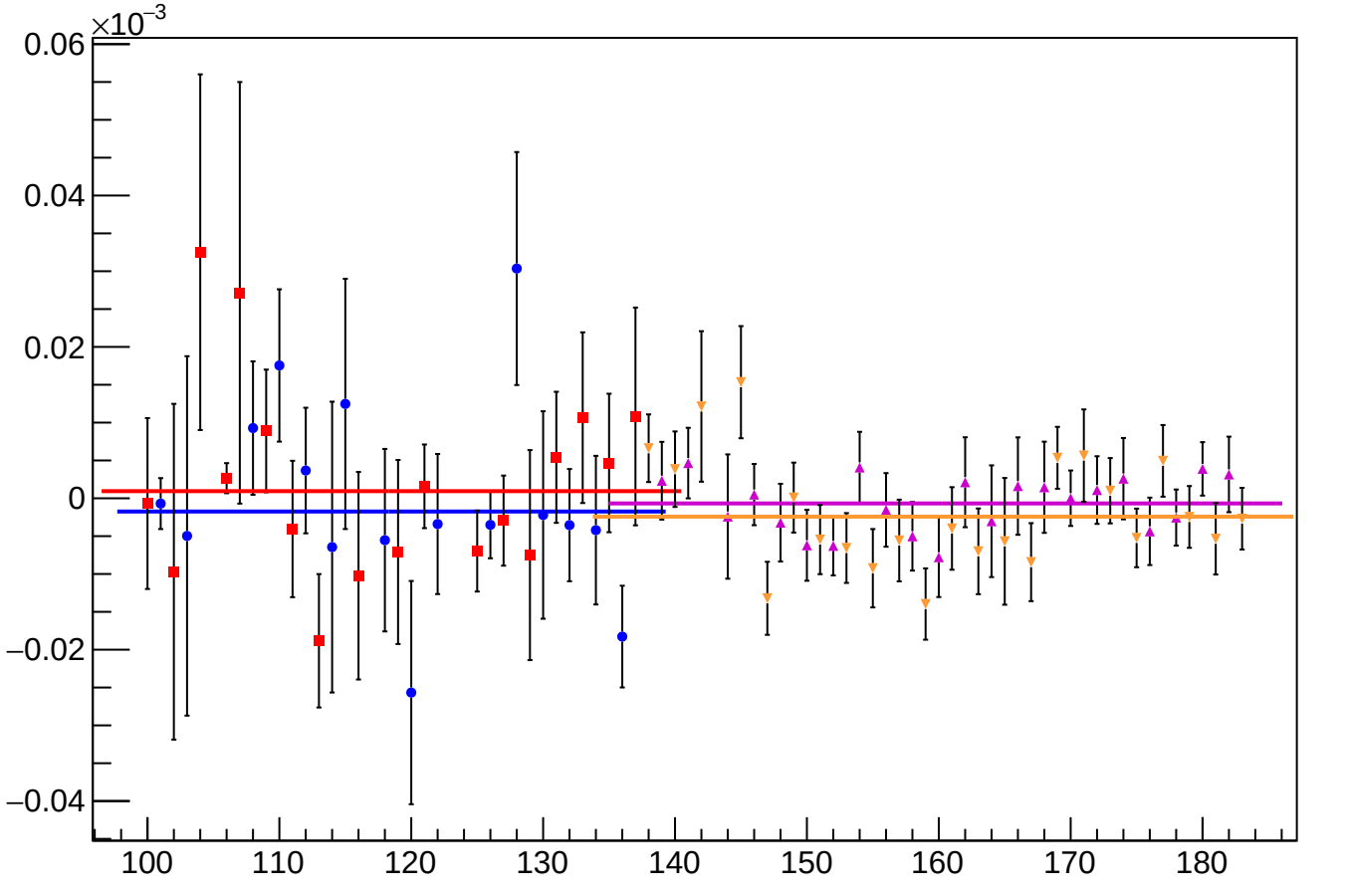
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.577+/-0.018 χ^2/NDF:2001759.5/21

+ sign 102.253+/-0.016 χ^2/NDF: 4005273.2/38

All: 100.864+/-0.011 χ^2/NDF: 8860919.6/78

- sign 99.514+/-0.016 χ^2/NDF: 4840629.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.8/22

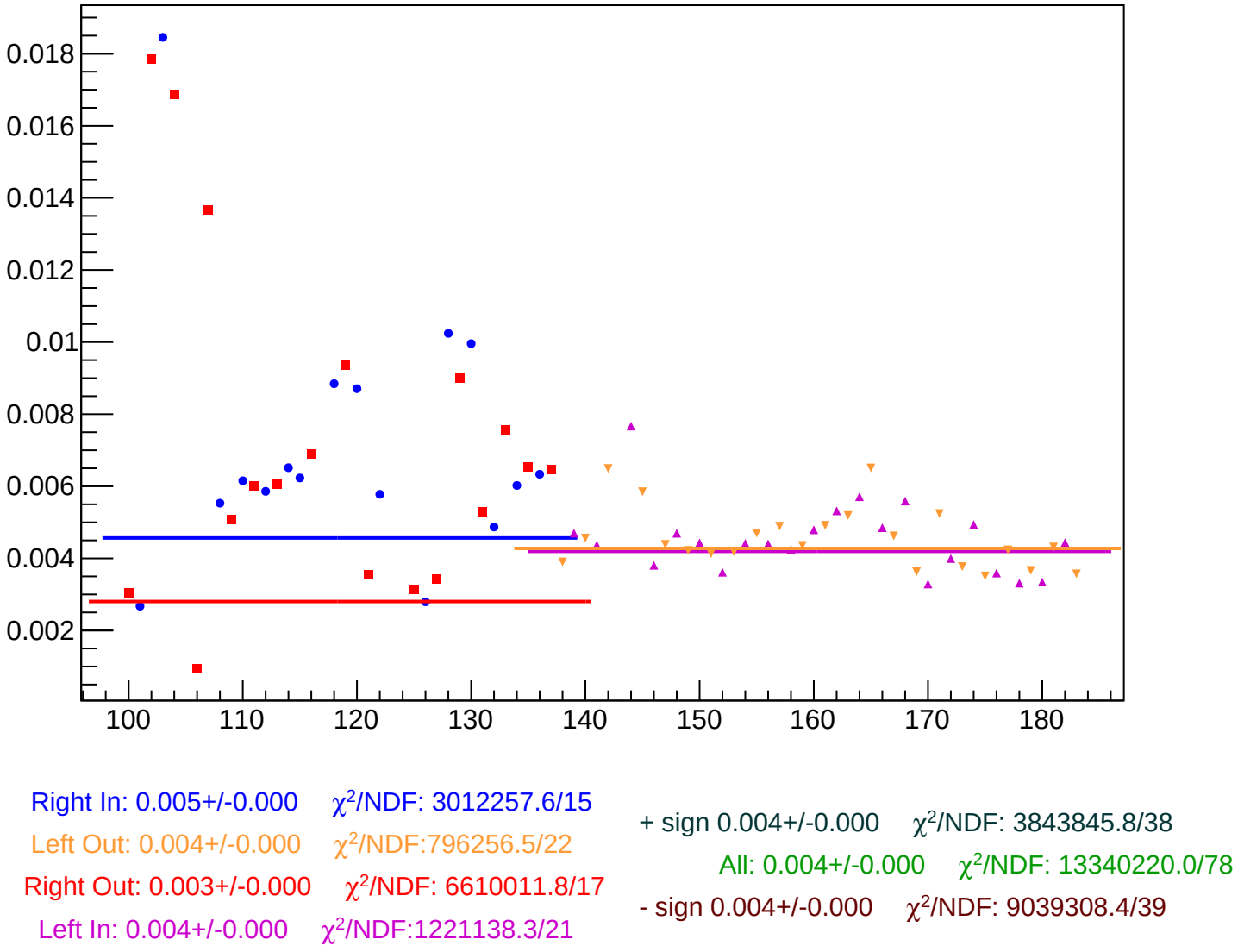
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:13.6/21

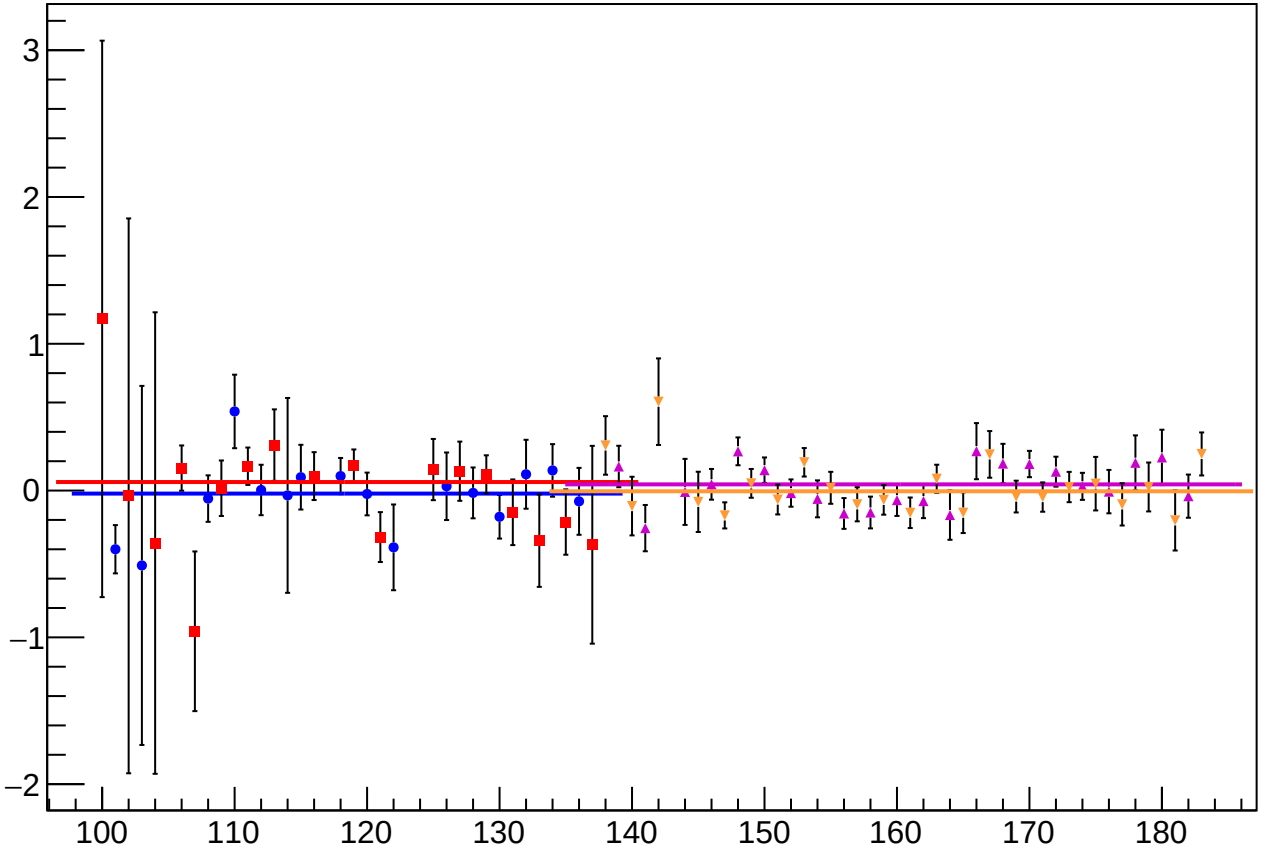
+ sign -0.000+/-0.000 χ^2/NDF: 59.9/38

All: -0.000+/-0.000 χ^2/NDF: 93.0/78

- sign -0.000+/-0.000 χ^2/NDF: 30.2/39


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:796256.5/22
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:1221138.3/21
+ sign 0.004+/-0.000 χ²/NDF: 3843845.8/38
All: 0.004+/-0.000 χ²/NDF: 13340220.0/78
- sign 0.004+/-0.000 χ²/NDF: 9039308.4/39

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.026 χ^2/NDF:27.4/22

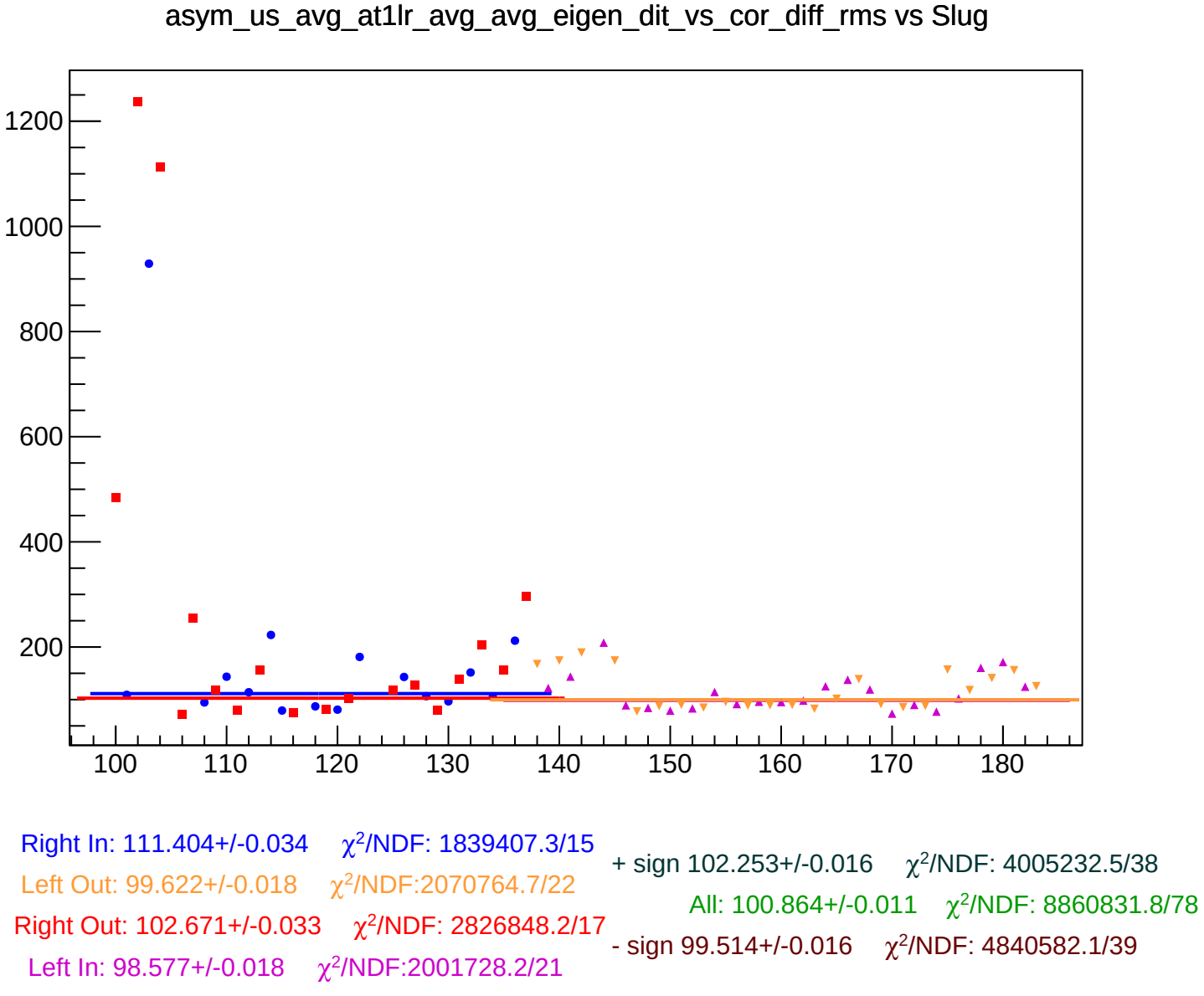
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.042+/-0.025 χ^2/NDF:30.1/21

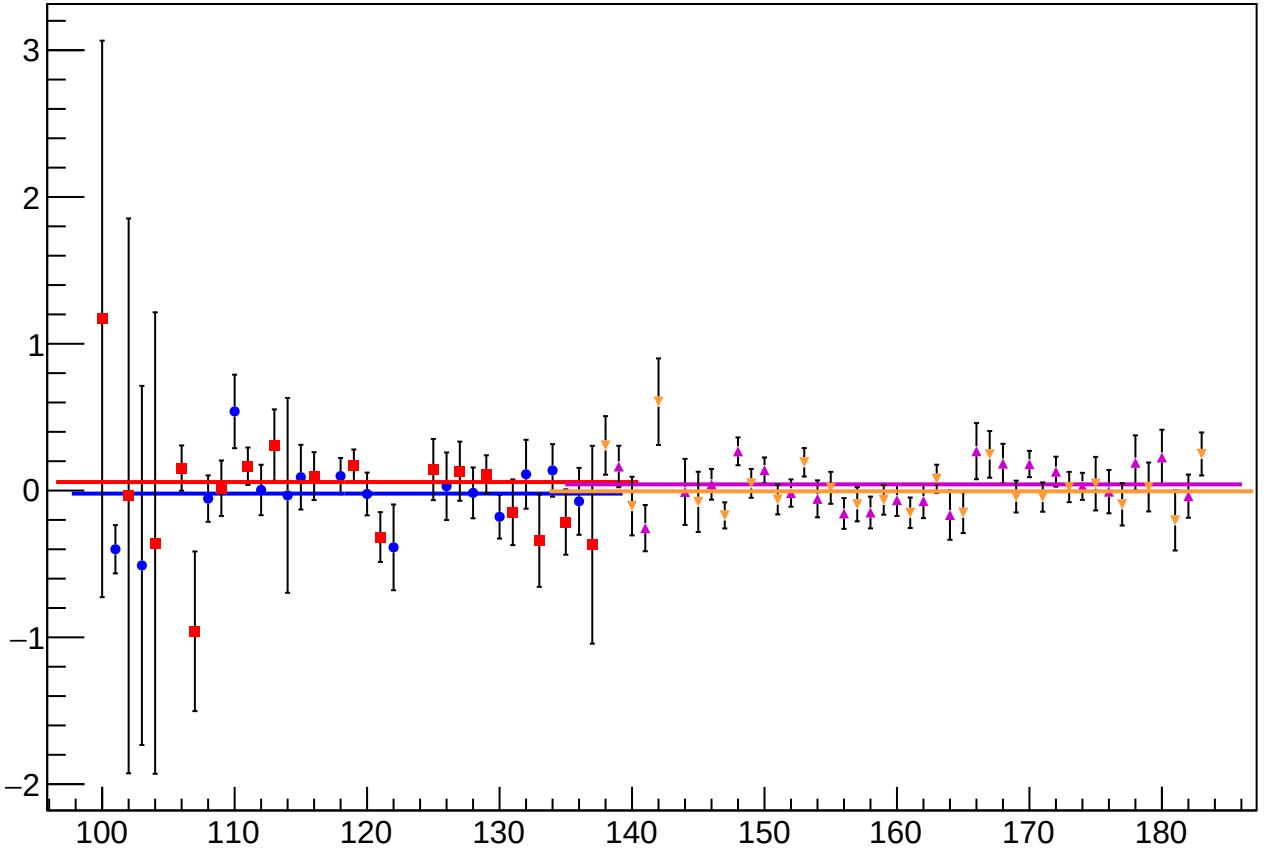
+ sign -0.008+/-0.023 χ^2/NDF: 43.1/38

All: 0.019+/-0.016 χ^2/NDF: 93.1/78

- sign 0.046+/-0.022 χ^2/NDF: 47.0/39


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 99.622+/-0.018 χ²/NDF:2070764.7/22
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 98.577+/-0.018 χ²/NDF:2001728.2/21
+ sign 102.253+/-0.016 χ²/NDF: 4005232.5/38
All: 100.864+/-0.011 χ²/NDF: 8860831.8/78
- sign 99.514+/-0.016 χ²/NDF: 4840582.1/39

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.026 χ^2/NDF:27.4/22

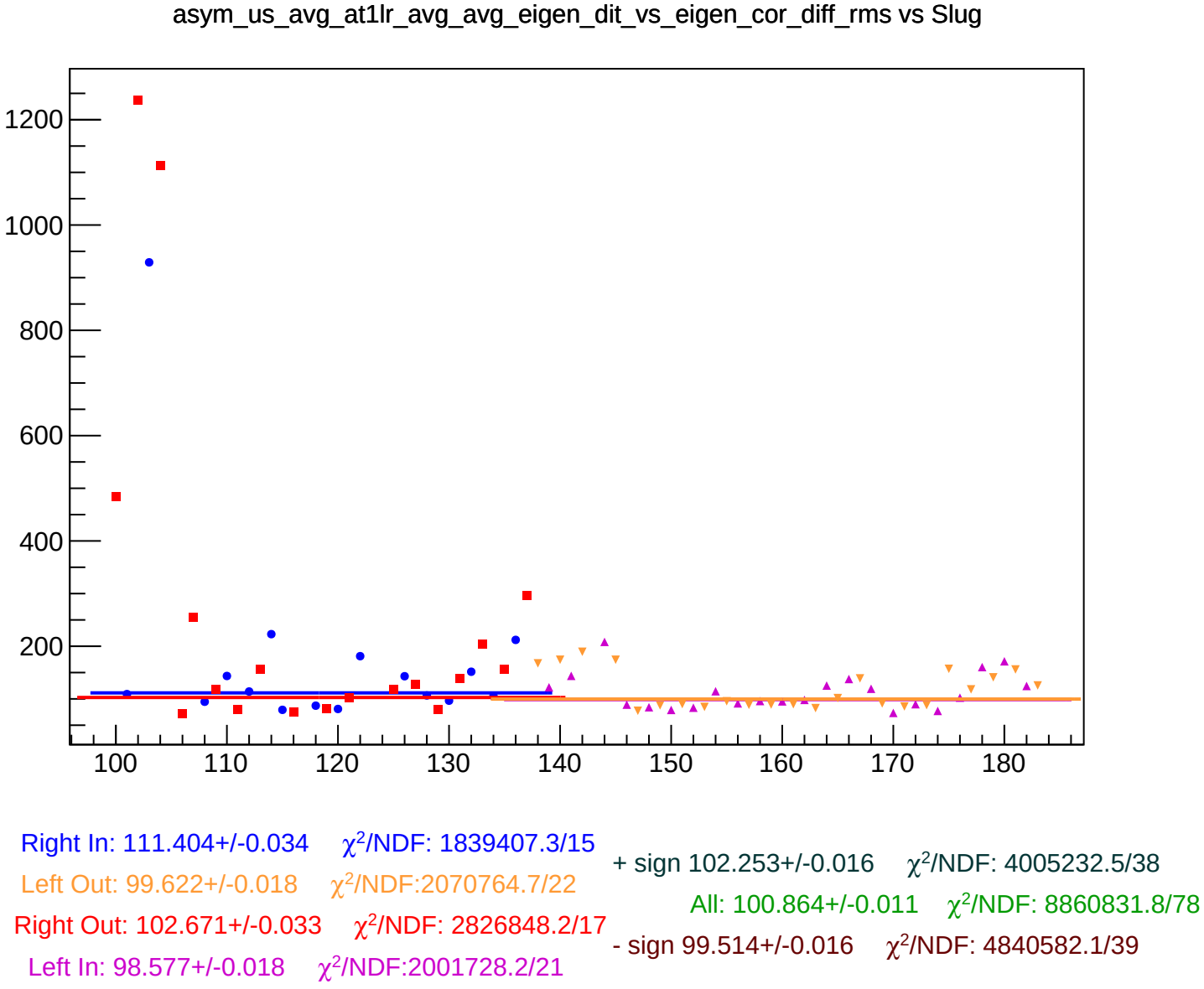
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

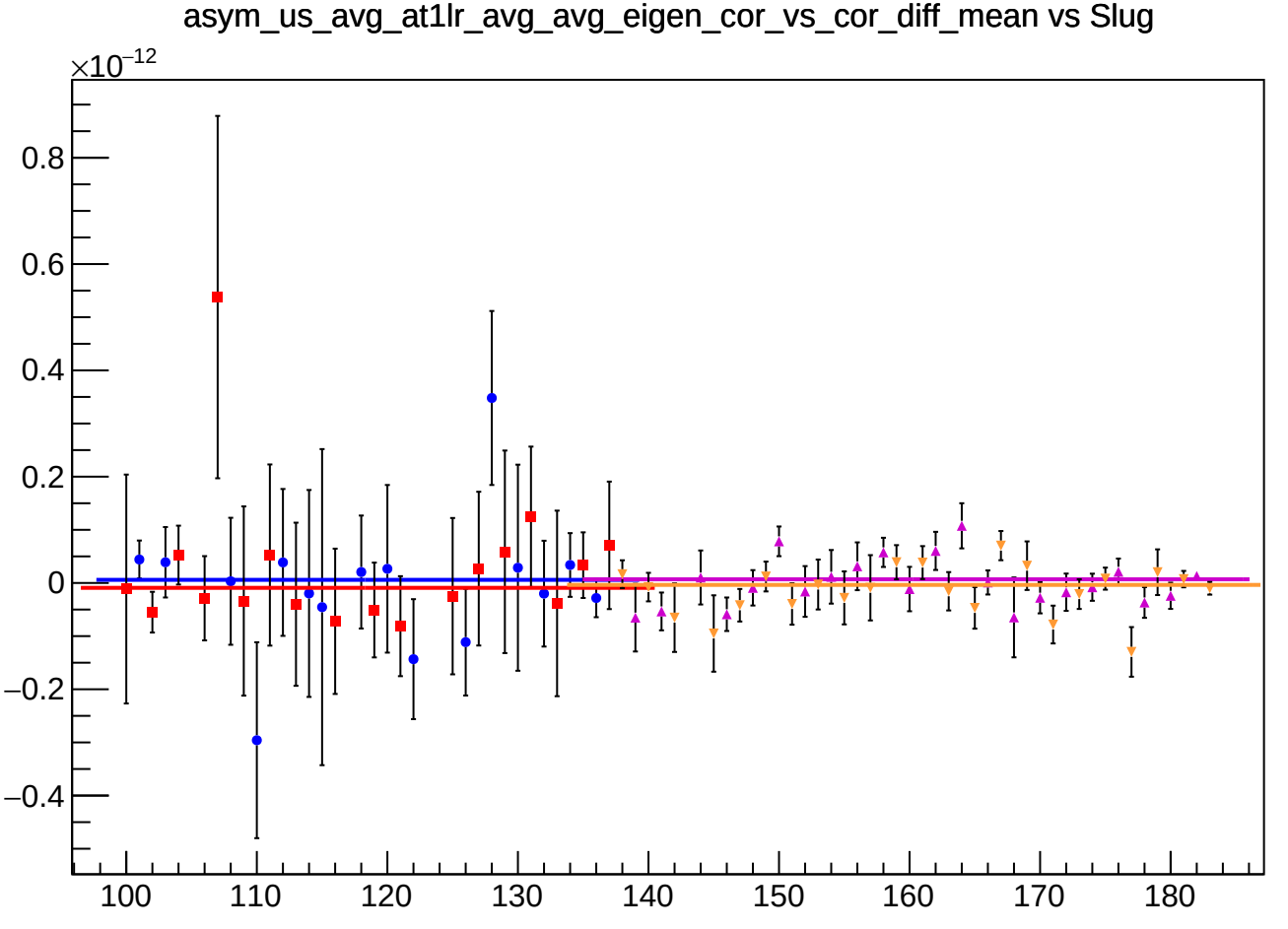
Left In: 0.042+/-0.025 χ^2/NDF:30.1/21

+ sign -0.008+/-0.023 χ^2/NDF: 43.1/38

All: 0.019+/-0.016 χ^2/NDF: 93.1/78

- sign 0.046+/-0.022 χ^2/NDF: 47.0/39


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 99.622+/-0.018 χ²/NDF:2070764.7/22
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 98.577+/-0.018 χ²/NDF:2001728.2/21
+ sign 102.253+/-0.016 χ²/NDF: 4005232.5/38
All: 100.864+/-0.011 χ²/NDF: 8860831.8/78
- sign 99.514+/-0.016 χ²/NDF: 4840582.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/22

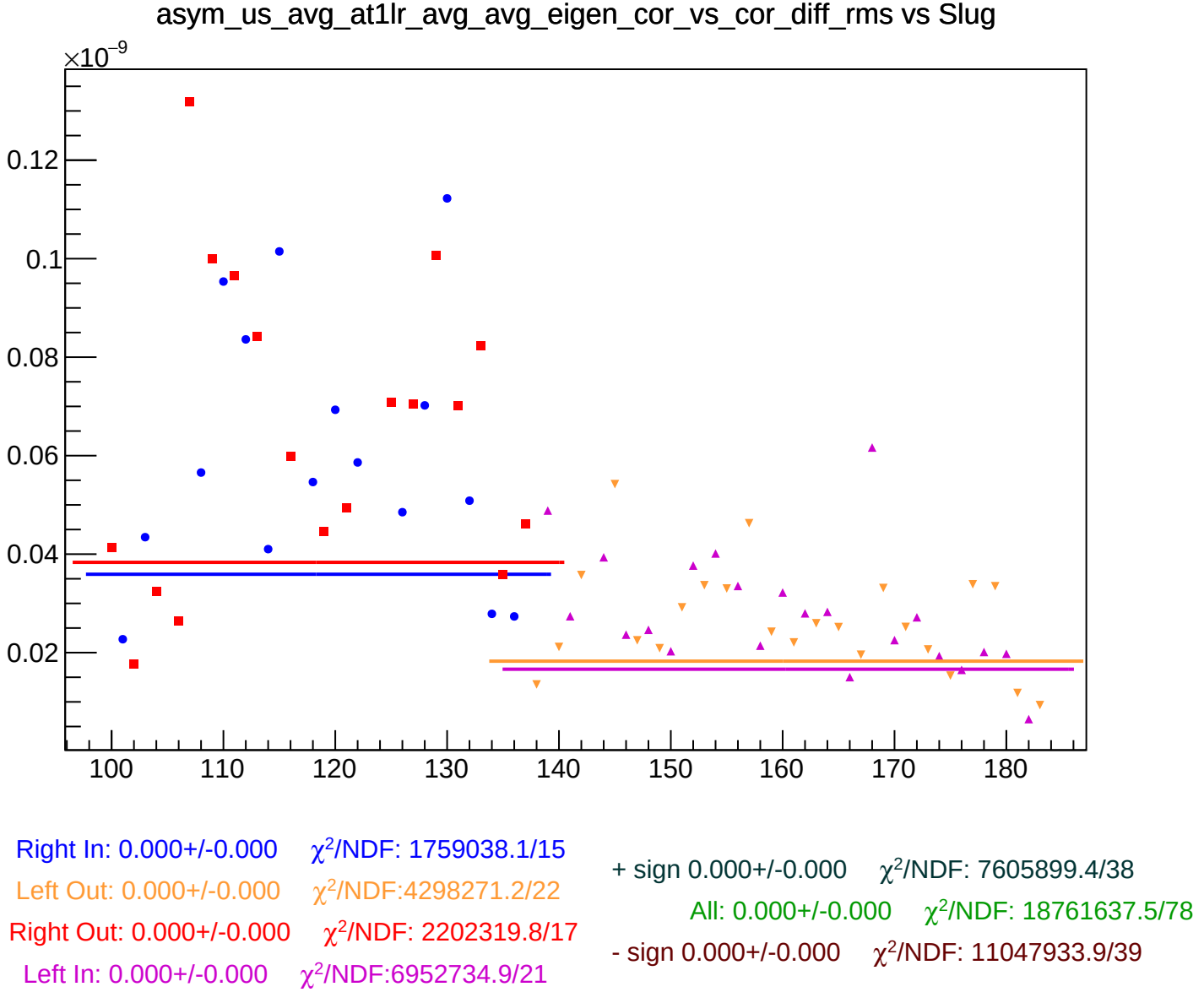
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:35.2/21

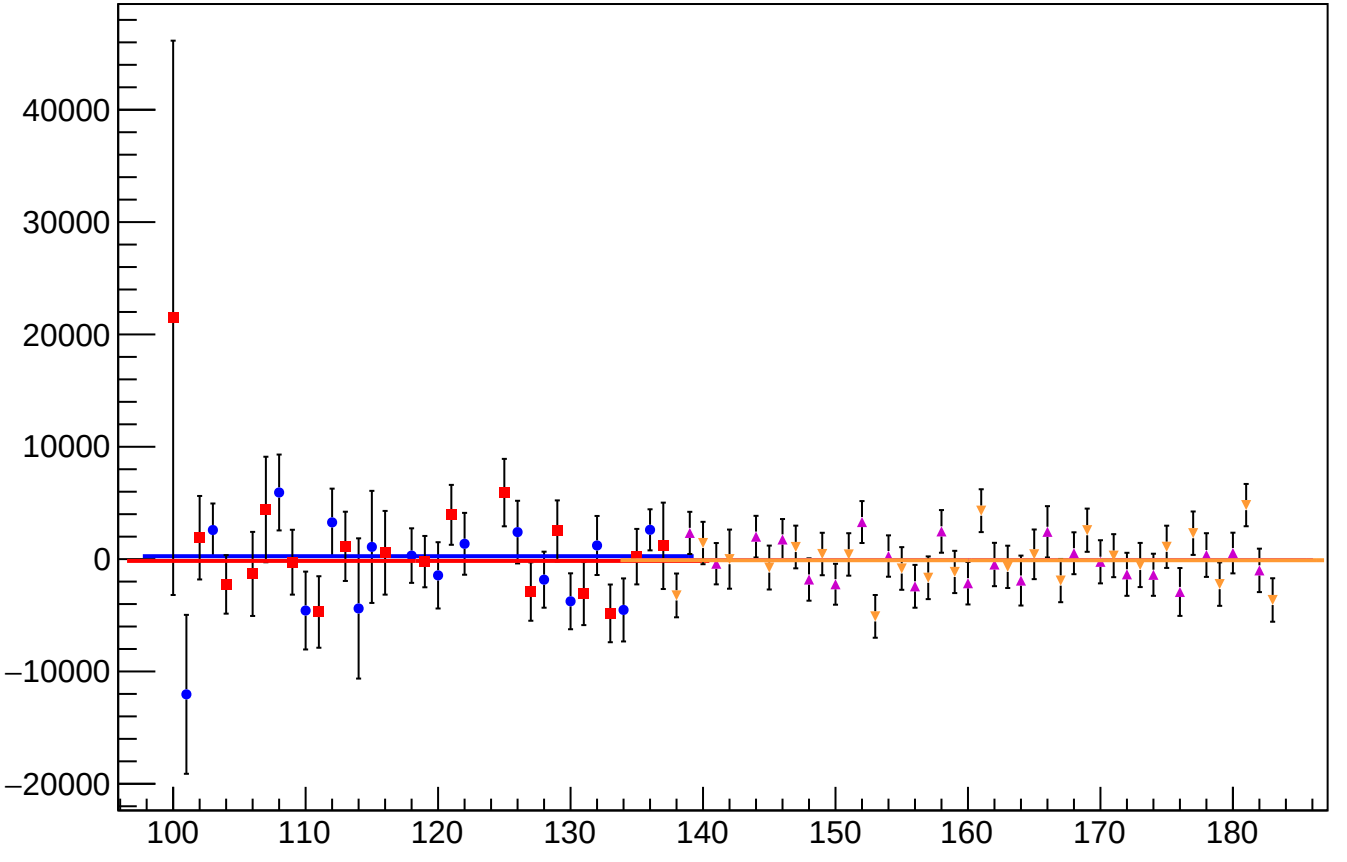
+ sign -0.000+/-0.000 χ^2/NDF: 45.5/38

All: 0.000+/-0.000 χ^2/NDF: 91.1/78

- sign 0.000+/-0.000 χ^2/NDF: 44.4/39


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4298271.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:6952734.9/21
+ sign 0.000+/-0.000 χ²/NDF: 7605899.4/38
All: 0.000+/-0.000 χ²/NDF: 18761637.5/78
- sign 0.000+/-0.000 χ²/NDF: 11047933.9/39

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -98.230+/-404.856 χ^2/NDF:33.6/22

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

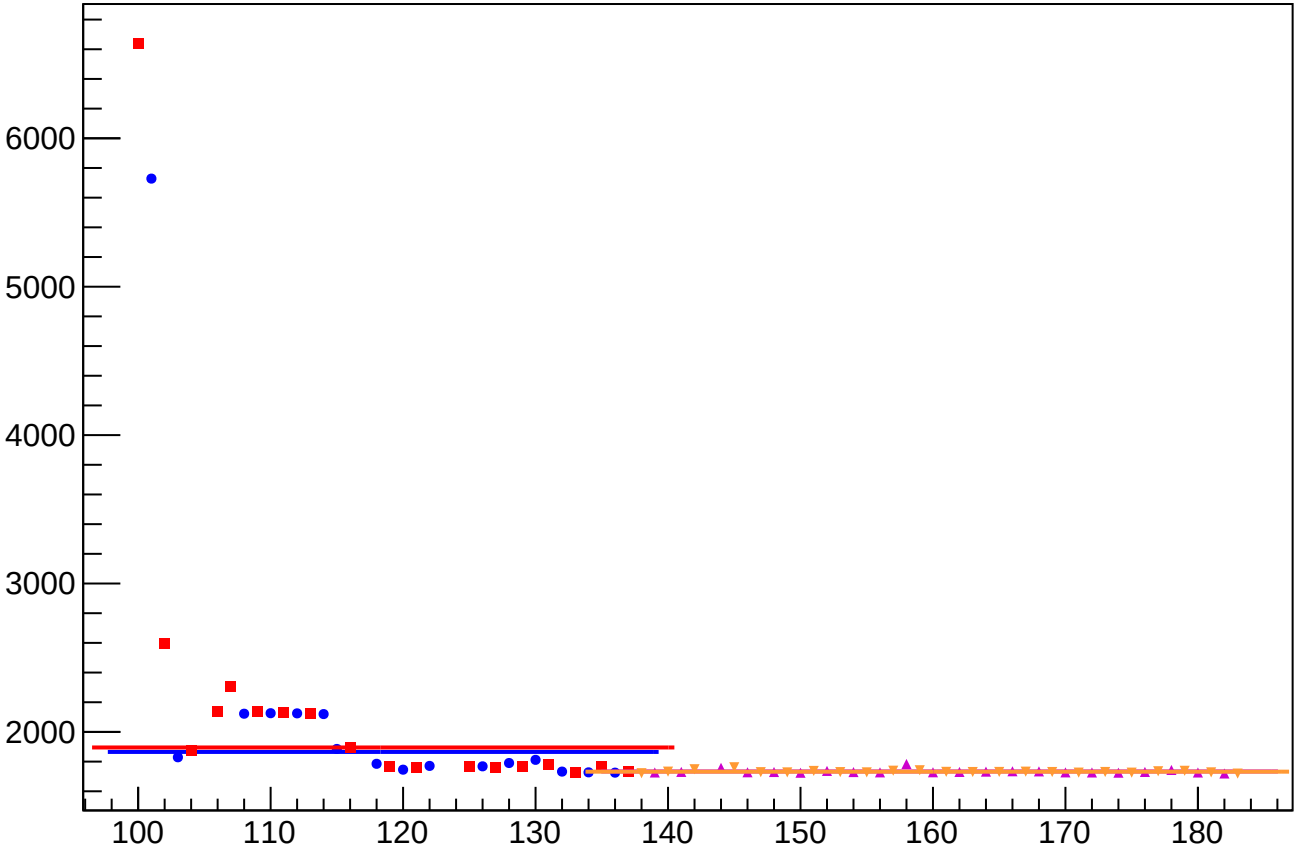
Left In: -77.621+/-408.076 χ^2/NDF:19.2/21

\+ sign -10.398+/-351.660 χ^2/NDF: 53.3/38

All: -53.804+/-249.515 χ^2/NDF: 90.6/78

\- sign -97.811+/-354.087 χ^2/NDF: 37.3/39

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.188+/-0.286 χ^2/NDF:902.0/22

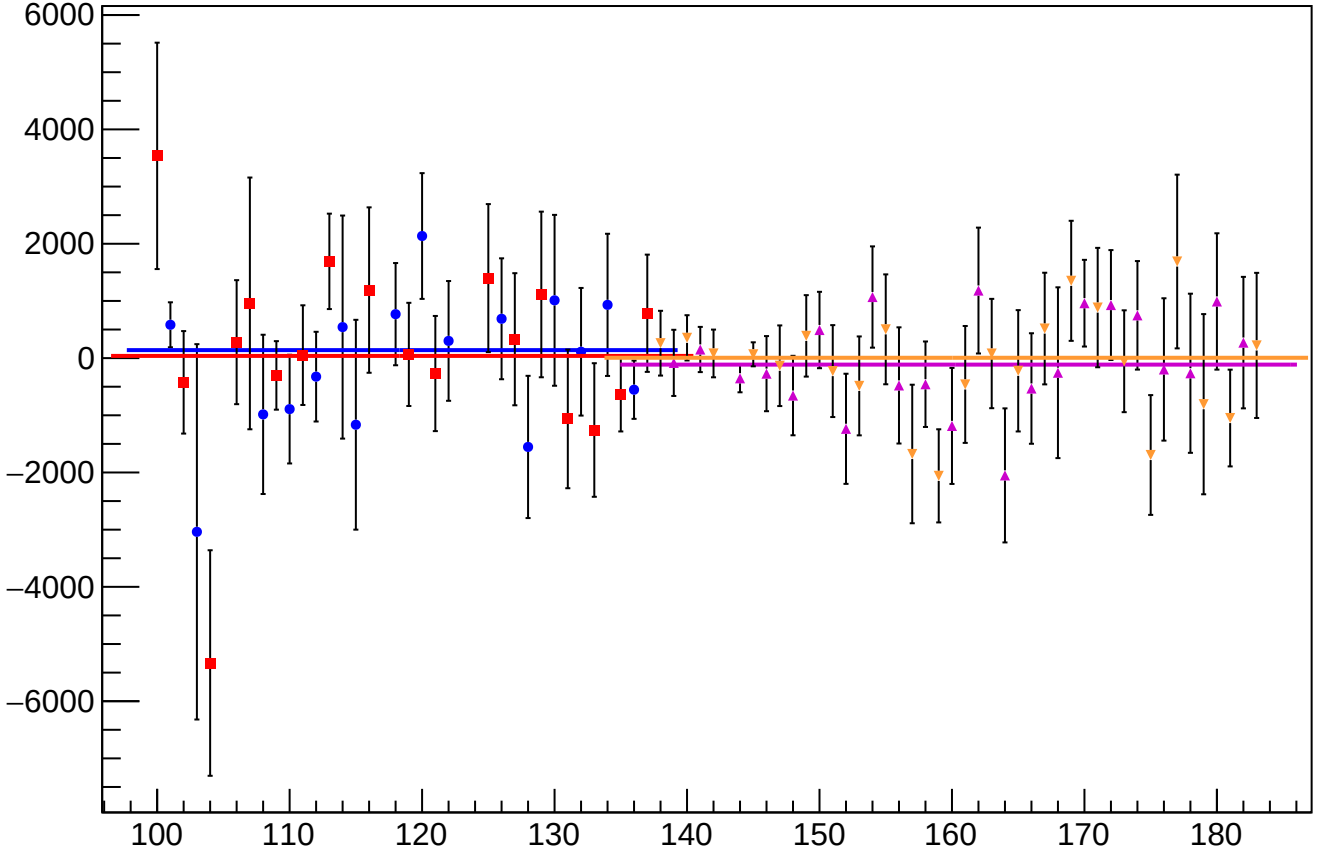
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.522+/-0.289 χ^2/NDF:2199.1/21

+ sign 1764.838+/-0.249 χ^2/NDF: 726607.3/38

All: 1769.132+/-0.176 χ^2/NDF: 1057836.4/78

- sign 1773.486+/-0.250 χ^2/NDF: 330628.6/39



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 6.028+/-130.277 χ^2/NDF:19.1/22

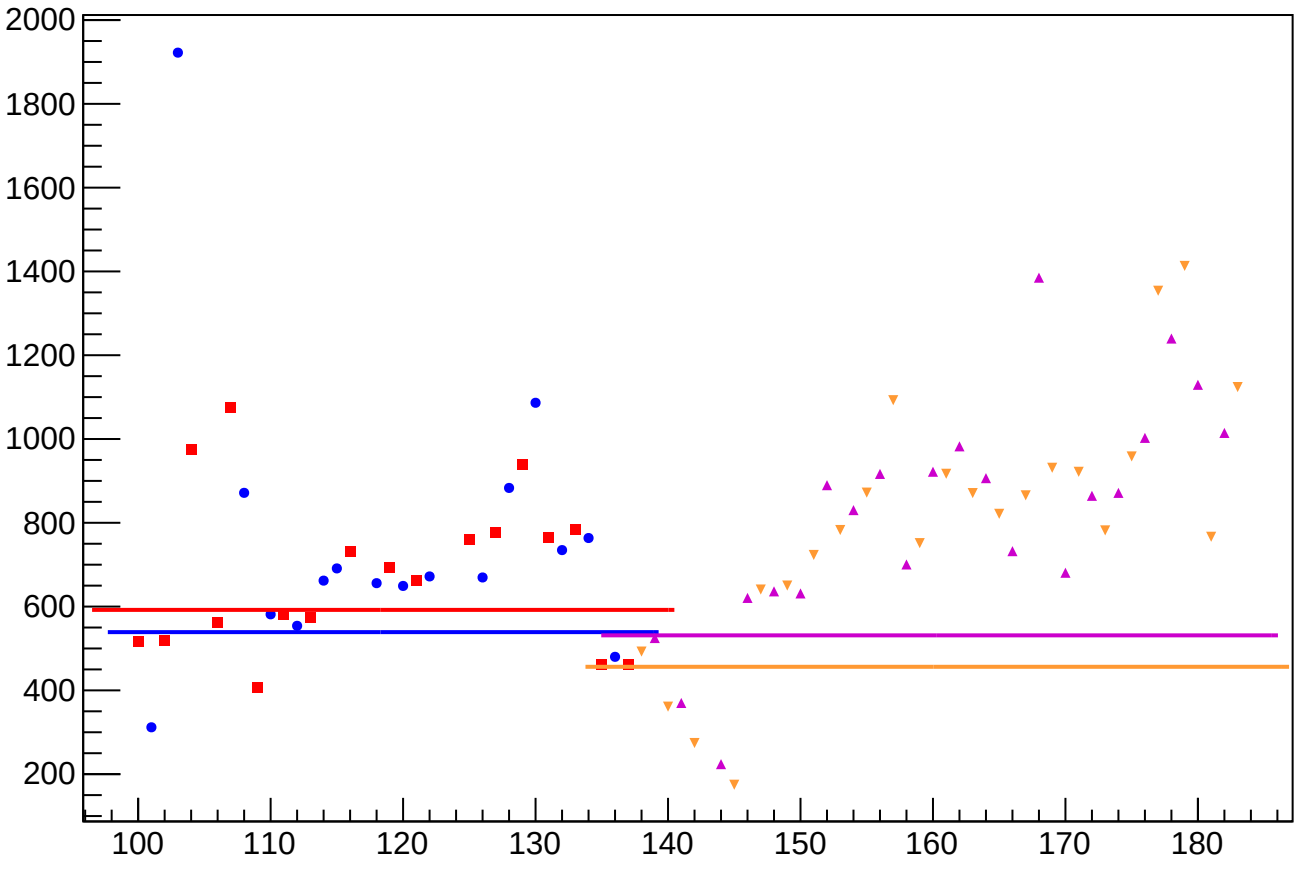
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -113.647+/-143.767 χ^2/NDF:16.8/21

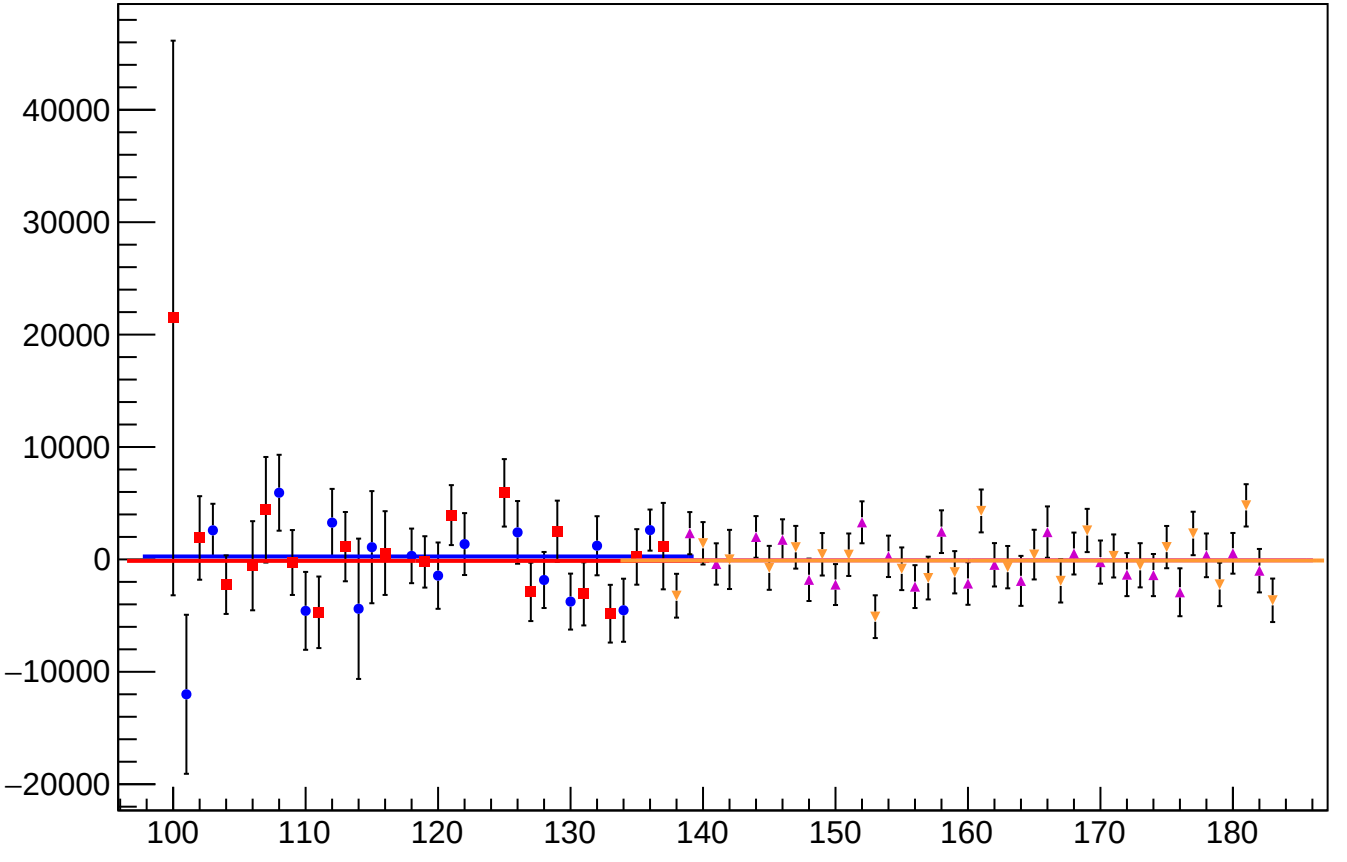
+ sign 40.735+/-112.110 χ^2/NDF: 32.8/38

All: -10.834+/-82.885 χ^2/NDF: 71.7/78

- sign -73.001+/-123.093 χ^2/NDF: 38.5/39


asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 539.016+/-0.156 χ²/NDF: 1854576.5/15
Left Out: 456.269+/-0.092 χ²/NDF:11244464.4/22
Right Out: 592.101+/-0.168 χ²/NDF: 843066.1/17
Left In: 531.315+/-0.102 χ²/NDF:8318529.1/21
+ sign 477.737+/-0.079 χ²/NDF: 13308381.9/38
All: 509.386+/-0.059 χ²/NDF: 22916951.9/78
- sign 547.540+/-0.087 χ²/NDF: 9257031.4/39

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -98.174+/-404.856 χ^2/NDF:33.6/22

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

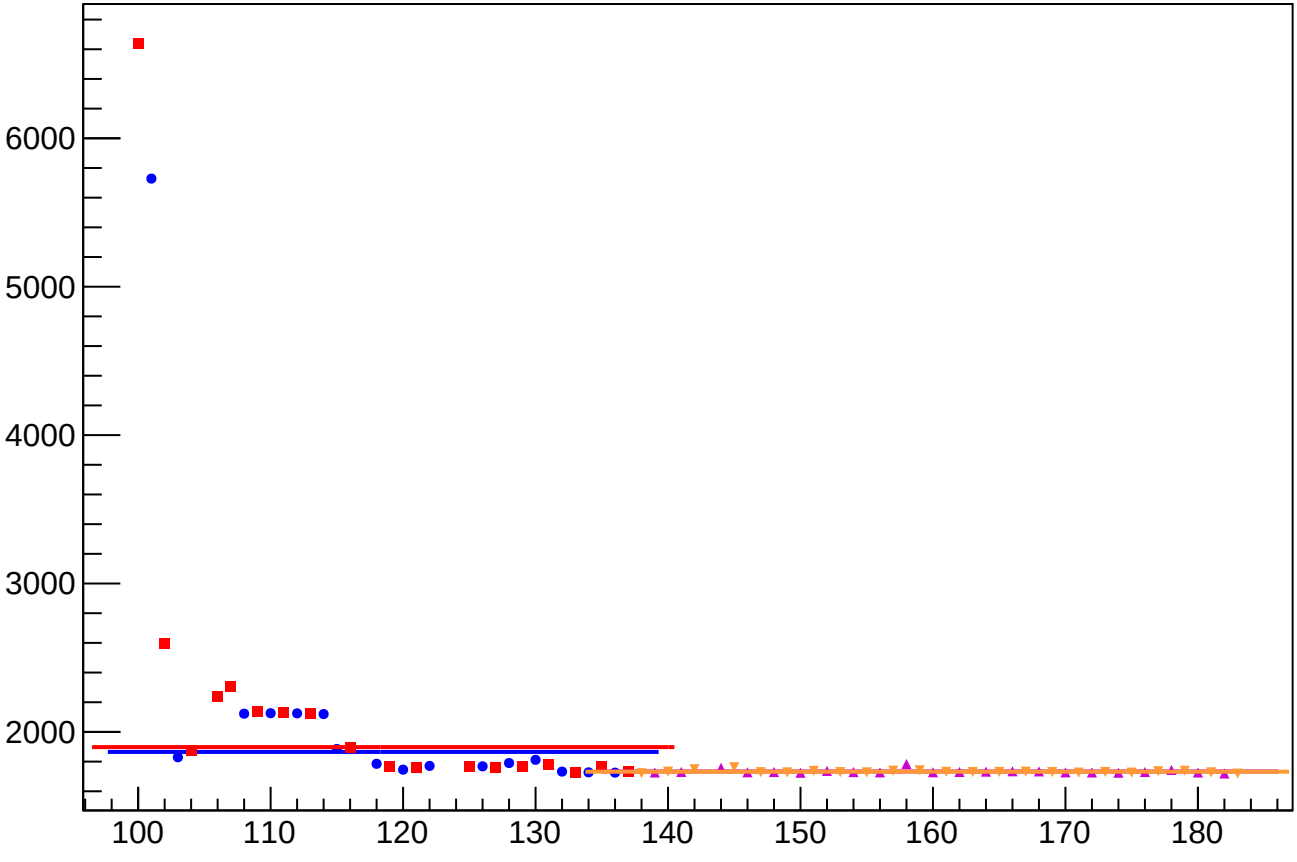
Left In: -77.560+/-408.076 χ^2/NDF:19.2/21

\+ sign -10.310+/-351.660 χ^2/NDF: 53.2/38

All: -50.105+/-249.575 χ^2/NDF: 90.4/78

\- sign -90.491+/-354.259 χ^2/NDF: 37.2/39

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.188+/-0.286 χ^2/NDF:902.0/22

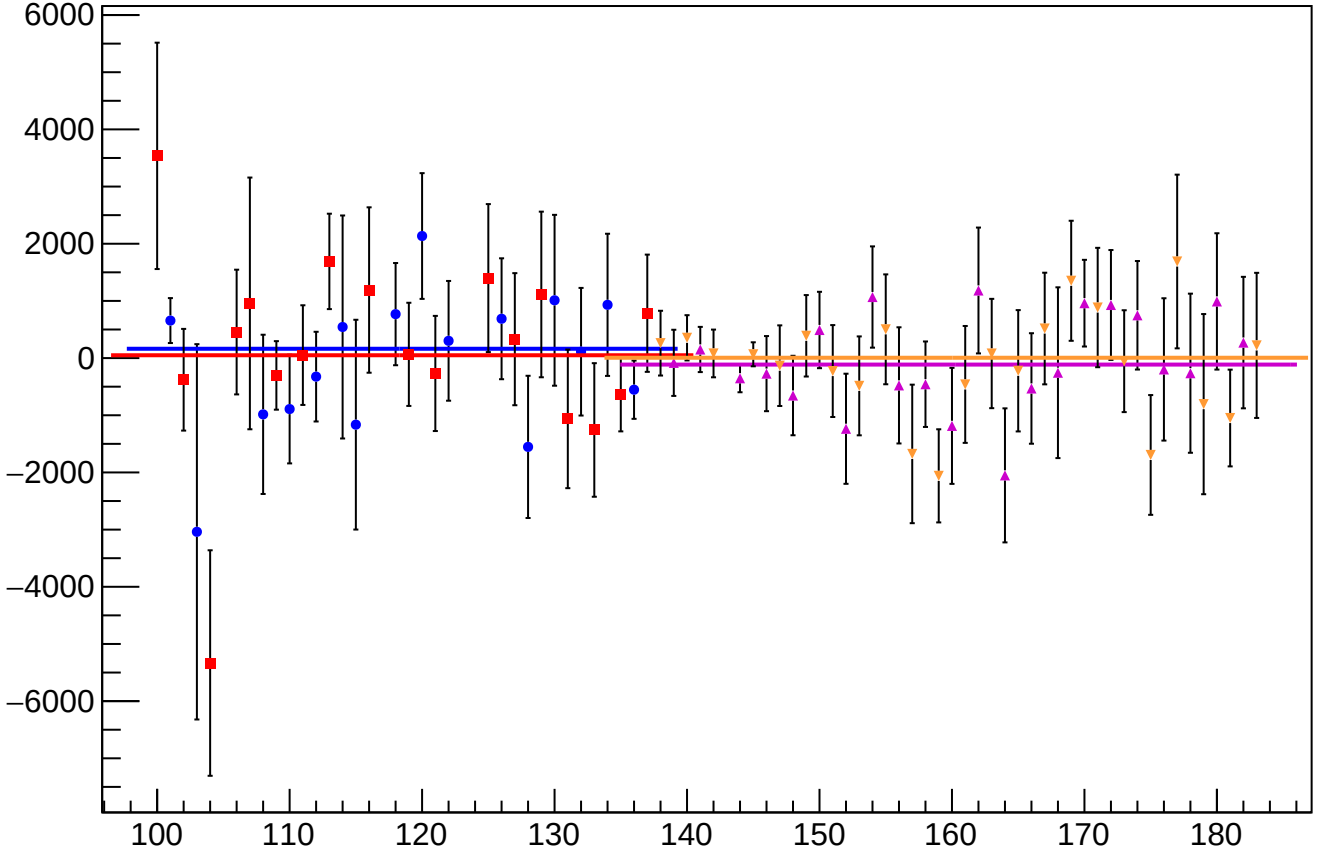
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.523+/-0.289 χ^2/NDF:2199.1/21

+ sign 1764.838+/-0.249 χ^2/NDF: 726607.1/38

All: 1769.371+/-0.176 χ^2/NDF: 1066965.9/78

- sign 1773.971+/-0.250 χ^2/NDF: 339689.3/39



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 5.907+/-130.279 χ^2/NDF:19.1/22

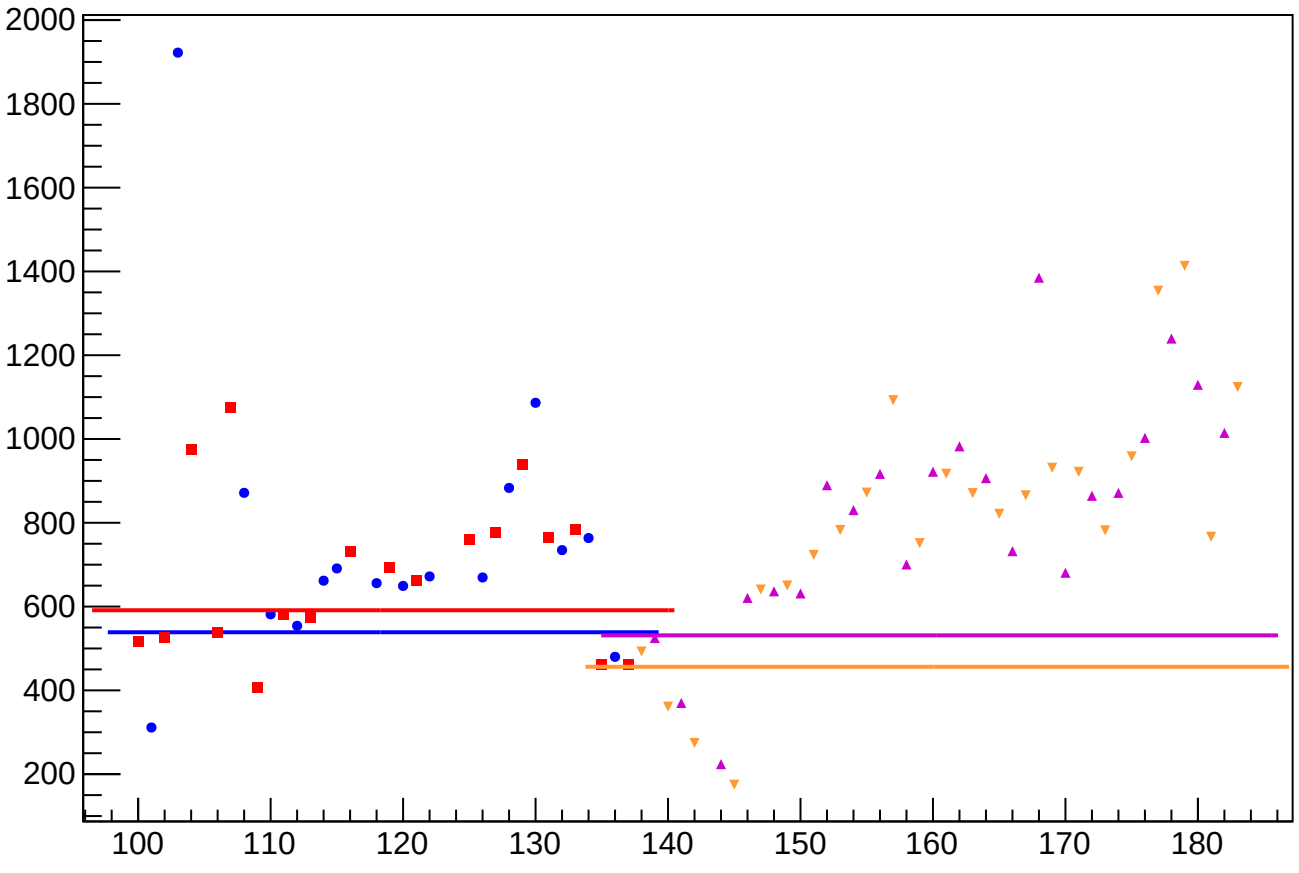
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -113.620+/-143.767 χ^2/NDF:16.8/21

+ sign 46.725+/-112.101 χ^2/NDF: 33.3/38

All: -6.213+/-82.879 χ^2/NDF: 72.4/78

- sign -70.033+/-123.086 χ^2/NDF: 38.6/39



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 456.279+/-0.092 χ^2/NDF:11244057.2/22

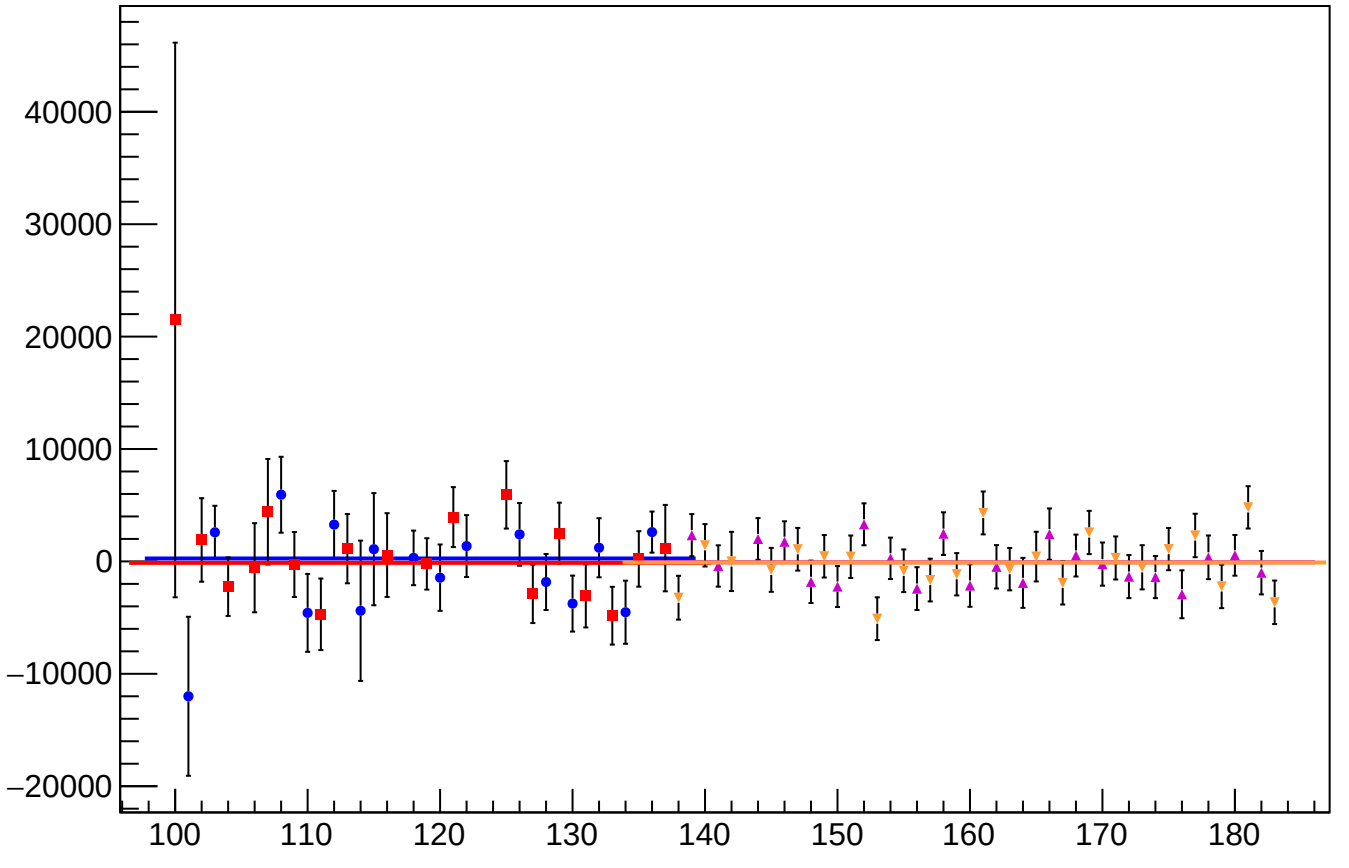
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 531.322+/-0.102 χ^2/NDF:8318063.8/21

+ sign 477.675+/-0.079 χ^2/NDF: 13310764.4/38

All: 509.253+/-0.059 χ^2/NDF: 22916145.5/78

- sign 547.322+/-0.087 χ^2/NDF: 9255364.0/39



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -98.174+/-404.856 χ^2/NDF:33.6/22

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

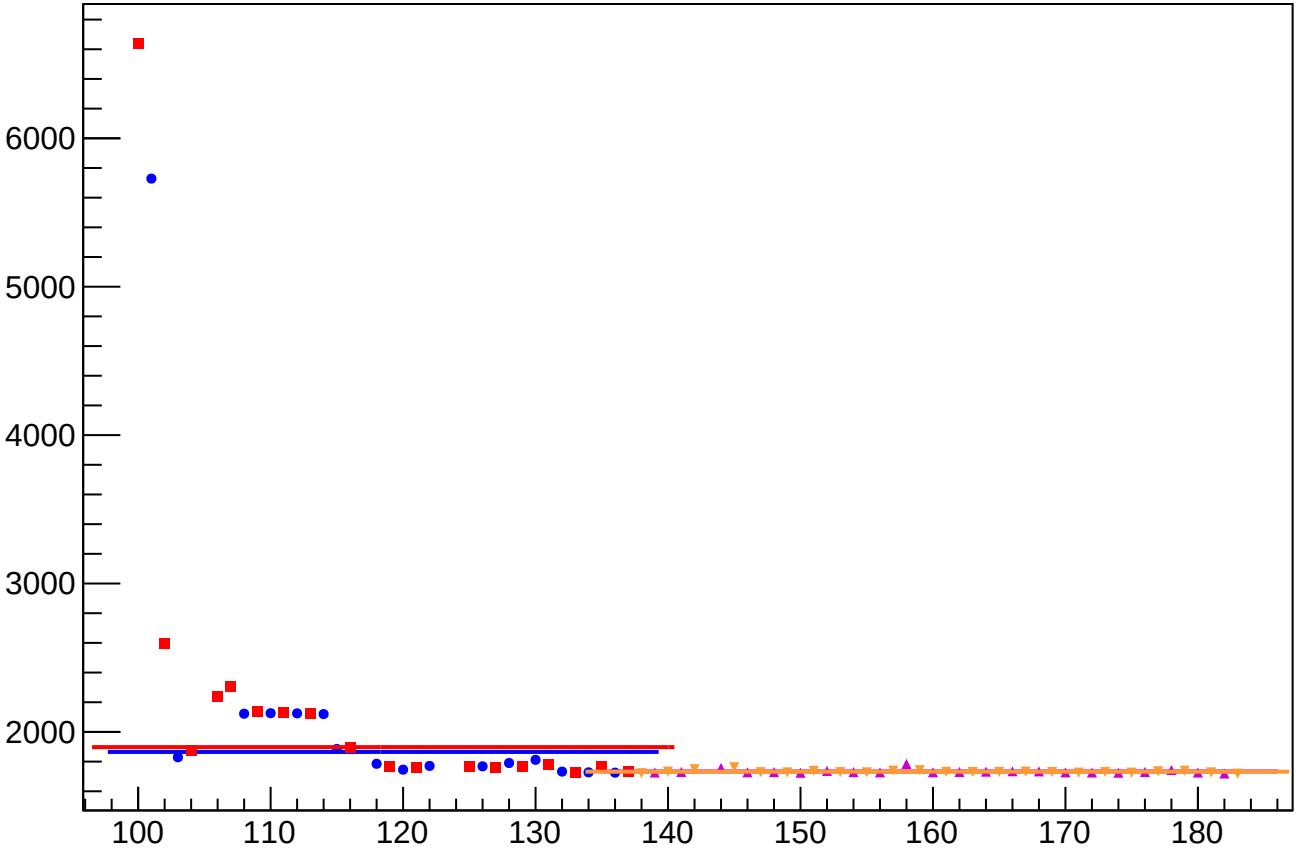
Left In: -77.560+/-408.076 χ^2/NDF:19.2/21

+ sign -10.310+/-351.660 χ^2/NDF: 53.2/38

All: -50.105+/-249.575 χ^2/NDF: 90.4/78

- sign -90.491+/-354.259 χ^2/NDF: 37.2/39

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.188+/-0.286 χ^2/NDF:902.0/22

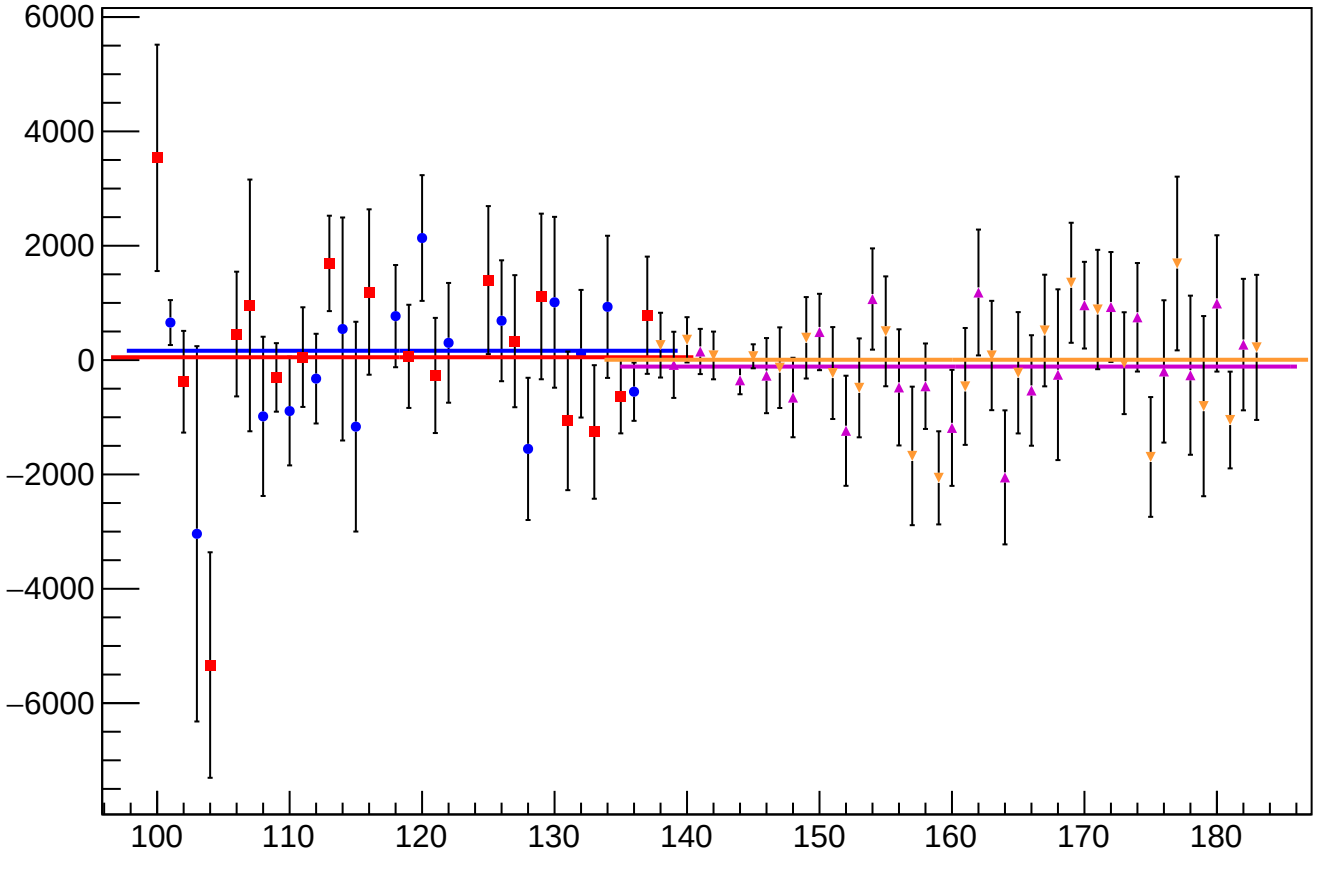
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.523+/-0.289 χ^2/NDF:2199.1/21

+ sign 1764.838+/-0.249 χ^2/NDF: 726607.1/38

All: 1769.371+/-0.176 χ^2/NDF: 1066965.9/78

- sign 1773.971+/-0.250 χ^2/NDF: 339689.3/39



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 5.907+/-130.279 χ^2/NDF:19.1/22

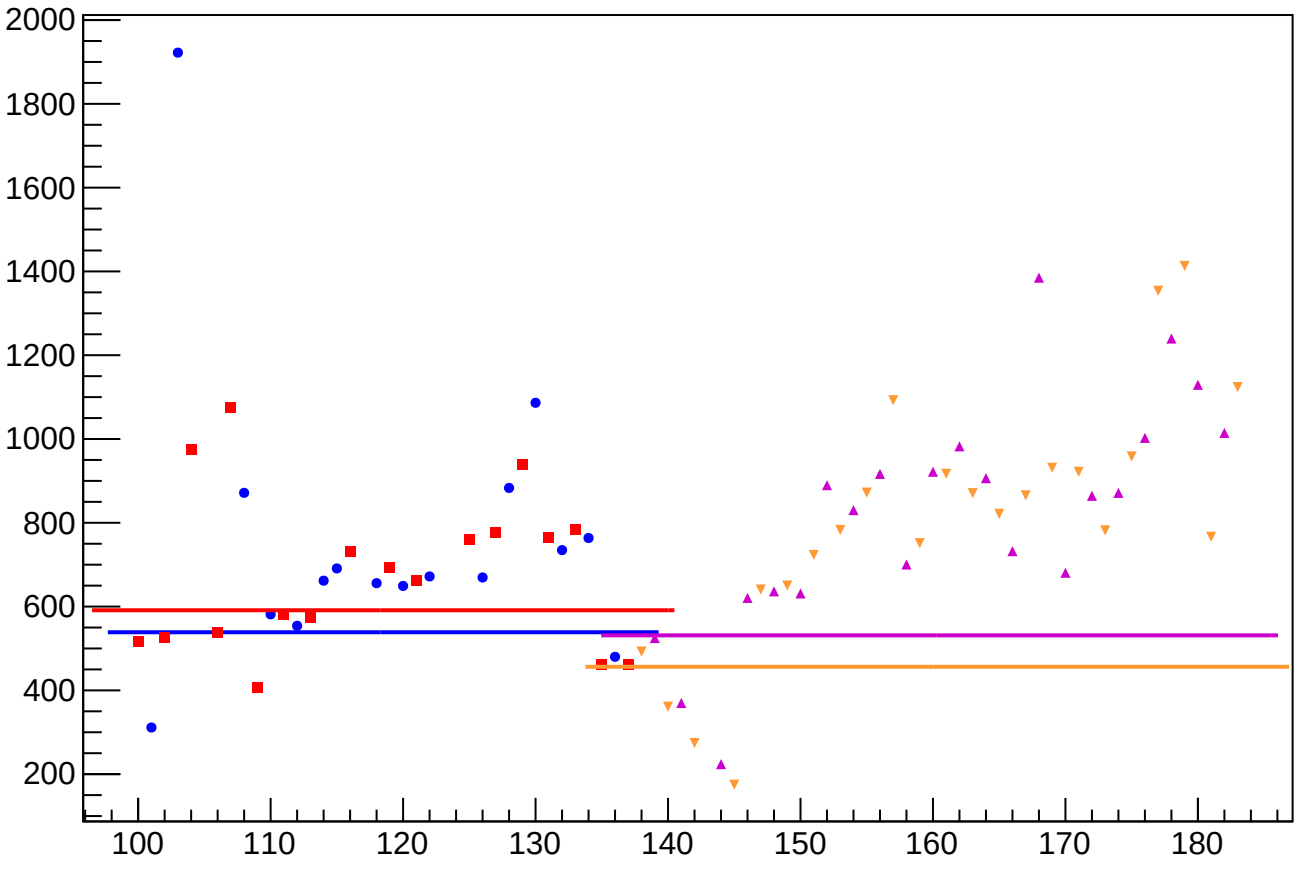
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -113.620+/-143.767 χ^2/NDF:16.8/21

+ sign 46.725+/-112.101 χ^2/NDF: 33.3/38

All: -6.213+/-82.879 χ^2/NDF: 72.4/78

- sign -70.033+/-123.086 χ^2/NDF: 38.6/39



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 456.279+/-0.092 χ^2/NDF:11244057.2/22

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

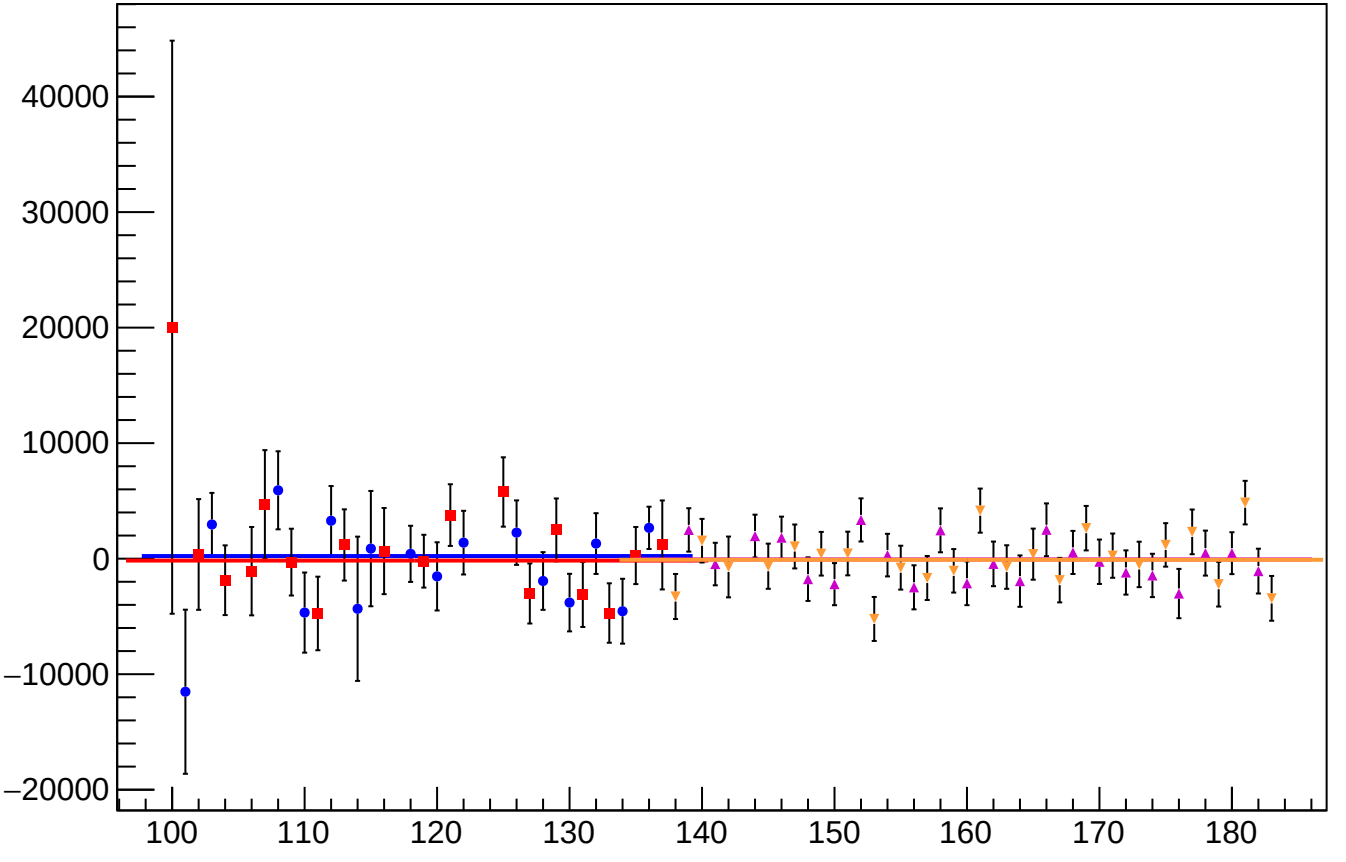
Left In: 531.322+/-0.102 χ^2/NDF:8318063.8/21

+ sign 477.675+/-0.079 χ^2/NDF: 13310764.4/38

All: 509.253+/-0.059 χ^2/NDF: 22916145.5/78

- sign 547.322+/-0.087 χ^2/NDF: 9255364.0/39

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -96.172+/-405.203 χ^2/NDF:33.5/22

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

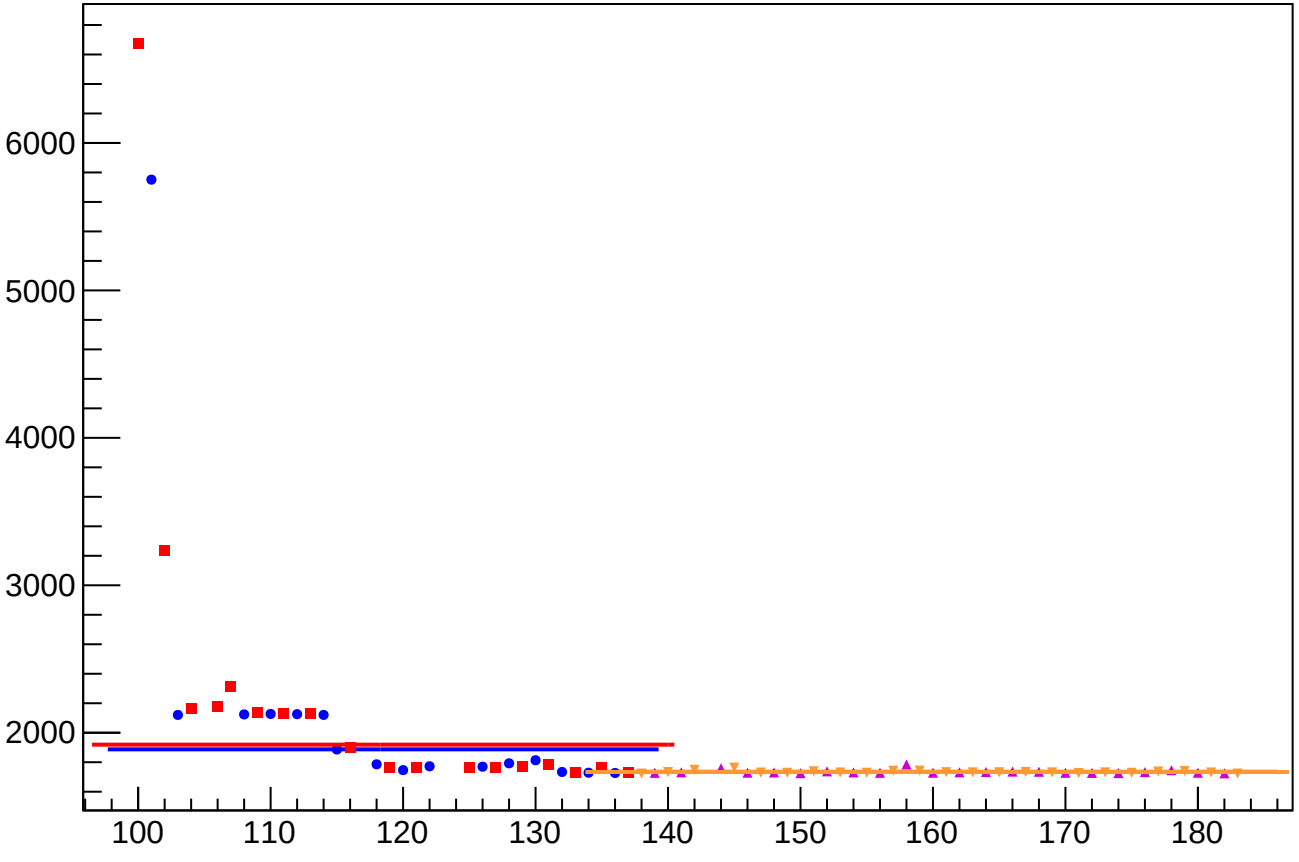
Left In: -65.501+/-408.420 χ^2/NDF:19.7/21

+ sign -18.385+/-352.952 χ^2/NDF: 53.1/38

All: -53.455+/-250.623 χ^2/NDF: 89.8/78

- sign -89.120+/-355.935 χ^2/NDF: 36.7/39

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1733.672+/-0.287 χ^2/NDF:869.0/22

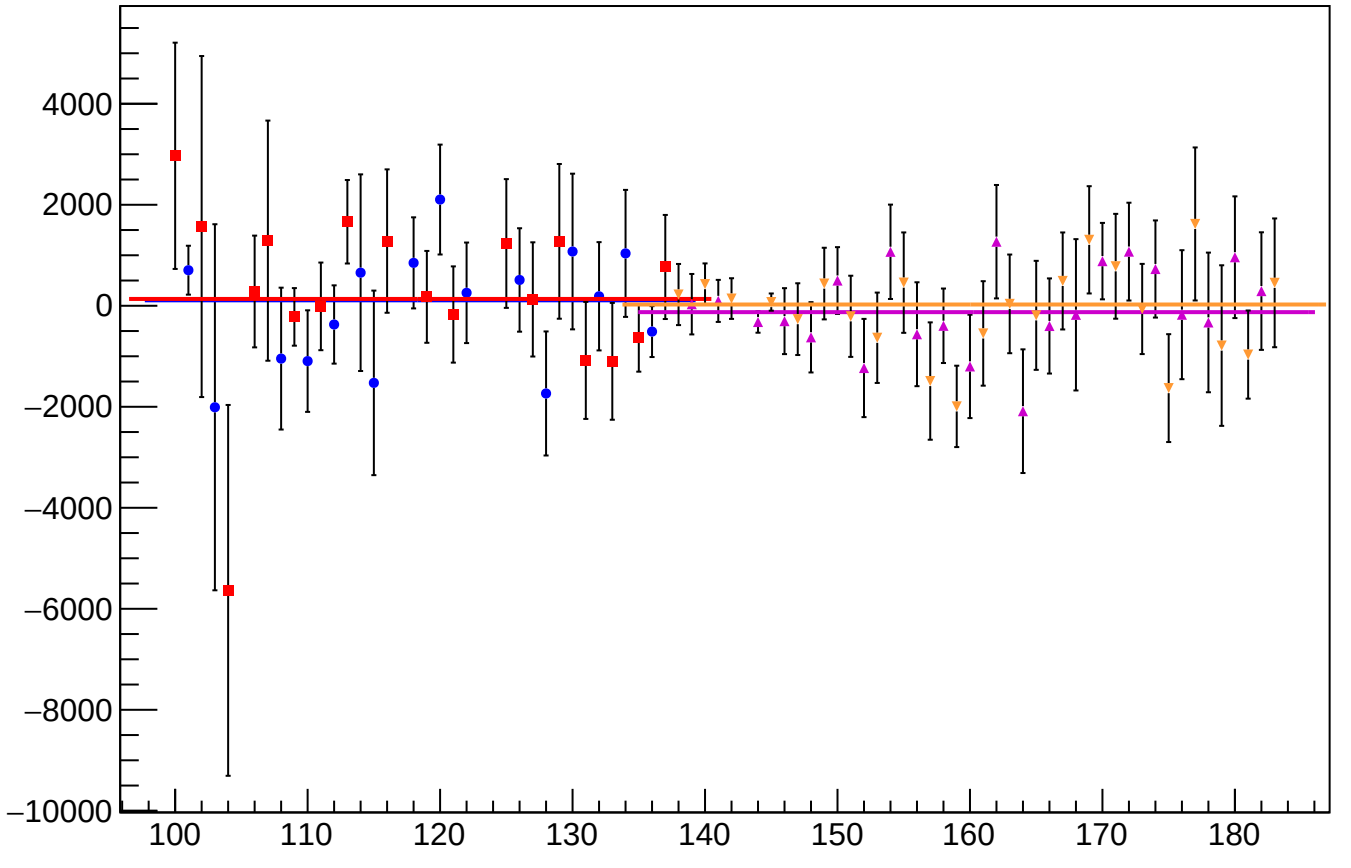
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.981+/-0.289 χ^2/NDF:2154.3/21

+ sign 1770.741+/-0.250 χ^2/NDF: 759684.4/38

All: 1774.973+/-0.177 χ^2/NDF: 1212805.8/78

- sign 1779.277+/-0.252 χ^2/NDF: 452541.4/39



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 25.183+/-119.521 χ^2/NDF:18.3/22

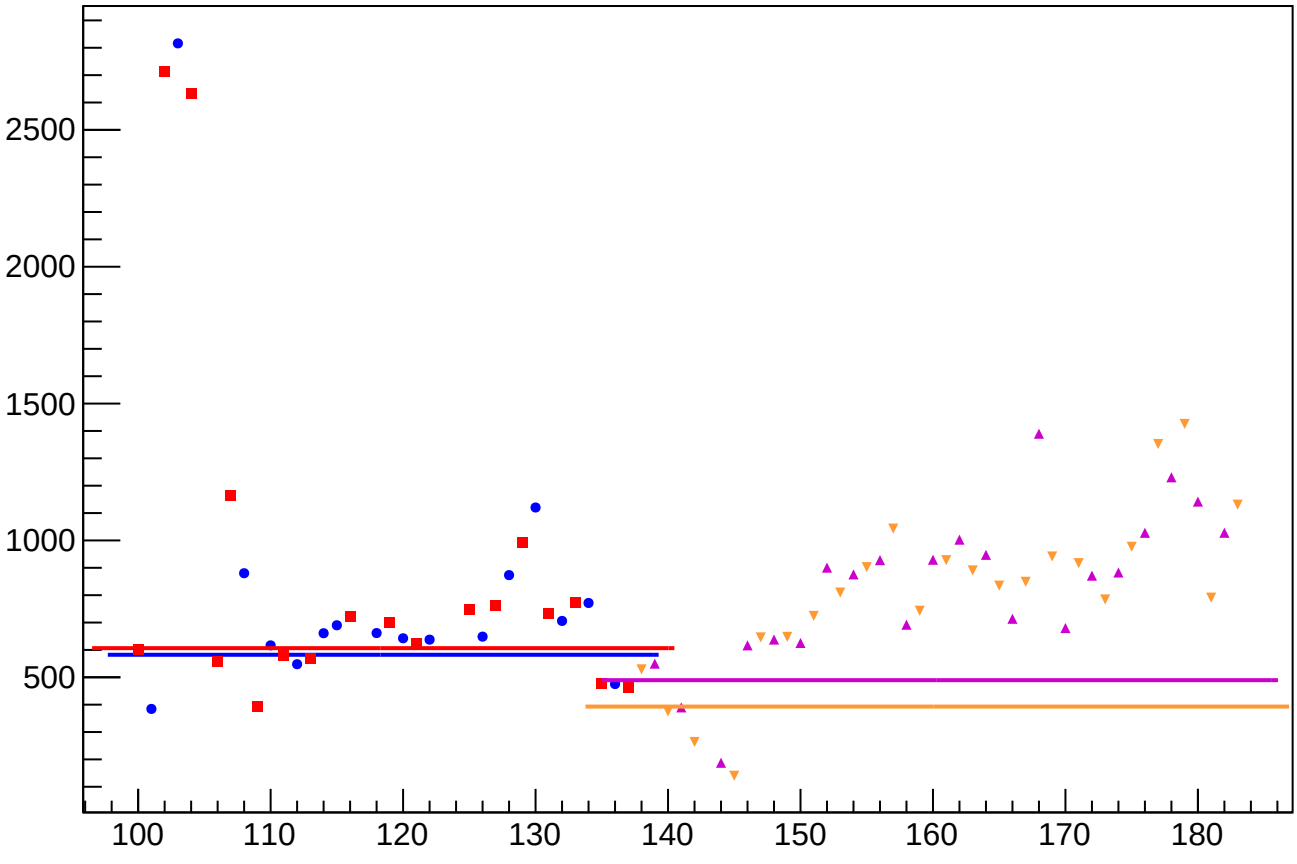
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -126.093+/-137.519 χ^2/NDF:16.3/21

+ sign 42.615+/-106.222 χ^2/NDF: 32.5/38

All: -4.130+/-79.546 χ^2/NDF: 64.5/78

- sign -63.817+/-120.029 χ^2/NDF: 31.5/39



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 393.022+/-0.085 χ^2/NDF:14124807.2/22

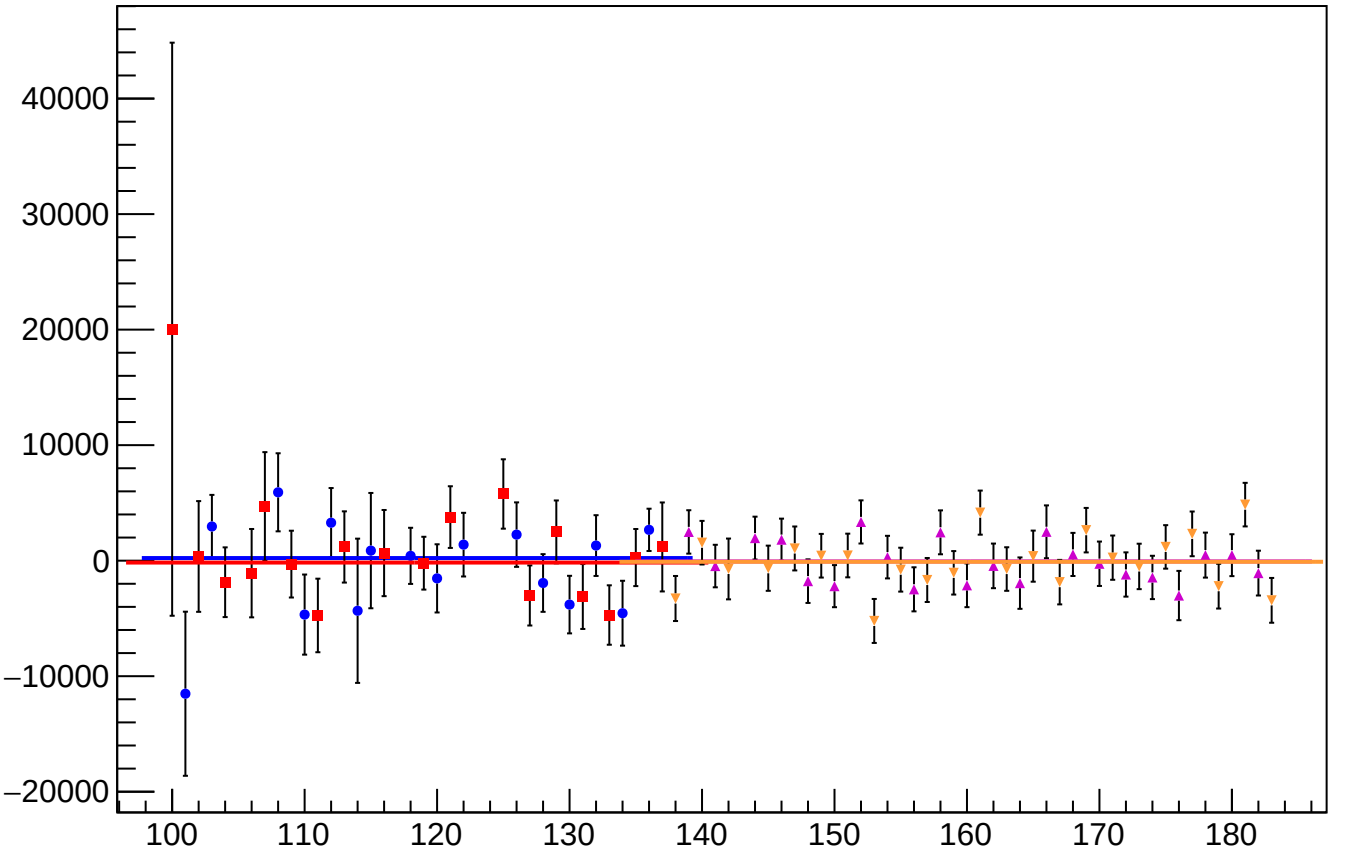
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 489.448+/-0.097 χ^2/NDF:10259825.8/21

+ sign 432.793+/-0.075 χ^2/NDF: 16932876.7/38

All: 469.917+/-0.056 χ^2/NDF: 30292158.4/78

- sign 517.318+/-0.085 χ^2/NDF: 12803072.9/39



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -96.175+/-405.203 χ^2/NDF:33.5/22

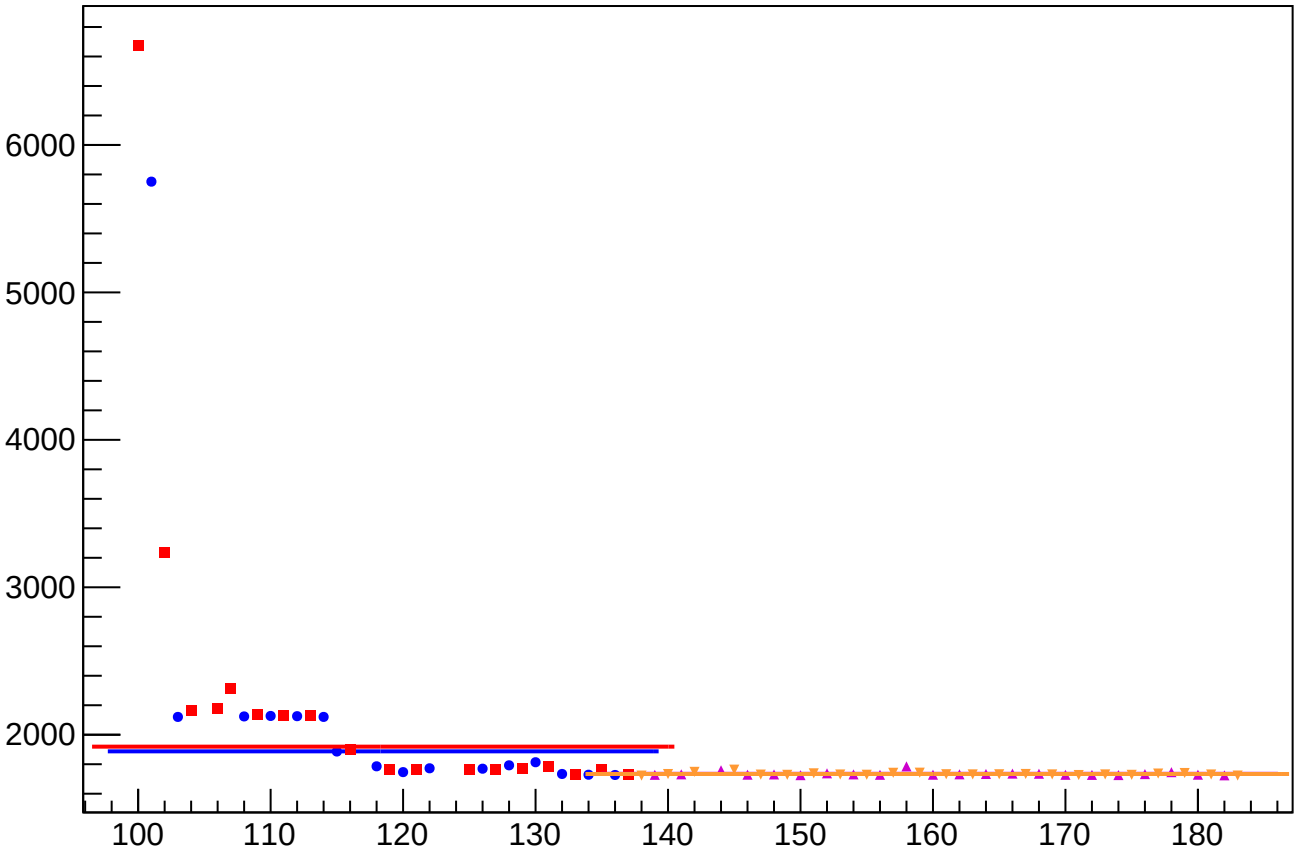
Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -65.501+/-408.420 χ^2/NDF:19.7/21

+ sign -18.388+/-352.952 χ^2/NDF: 53.1/38

All: -53.456+/-250.623 χ^2/NDF: 89.8/78

- sign -89.121+/-355.935 χ^2/NDF: 36.7/39



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1733.672+/-0.287 χ^2/NDF:869.0/22

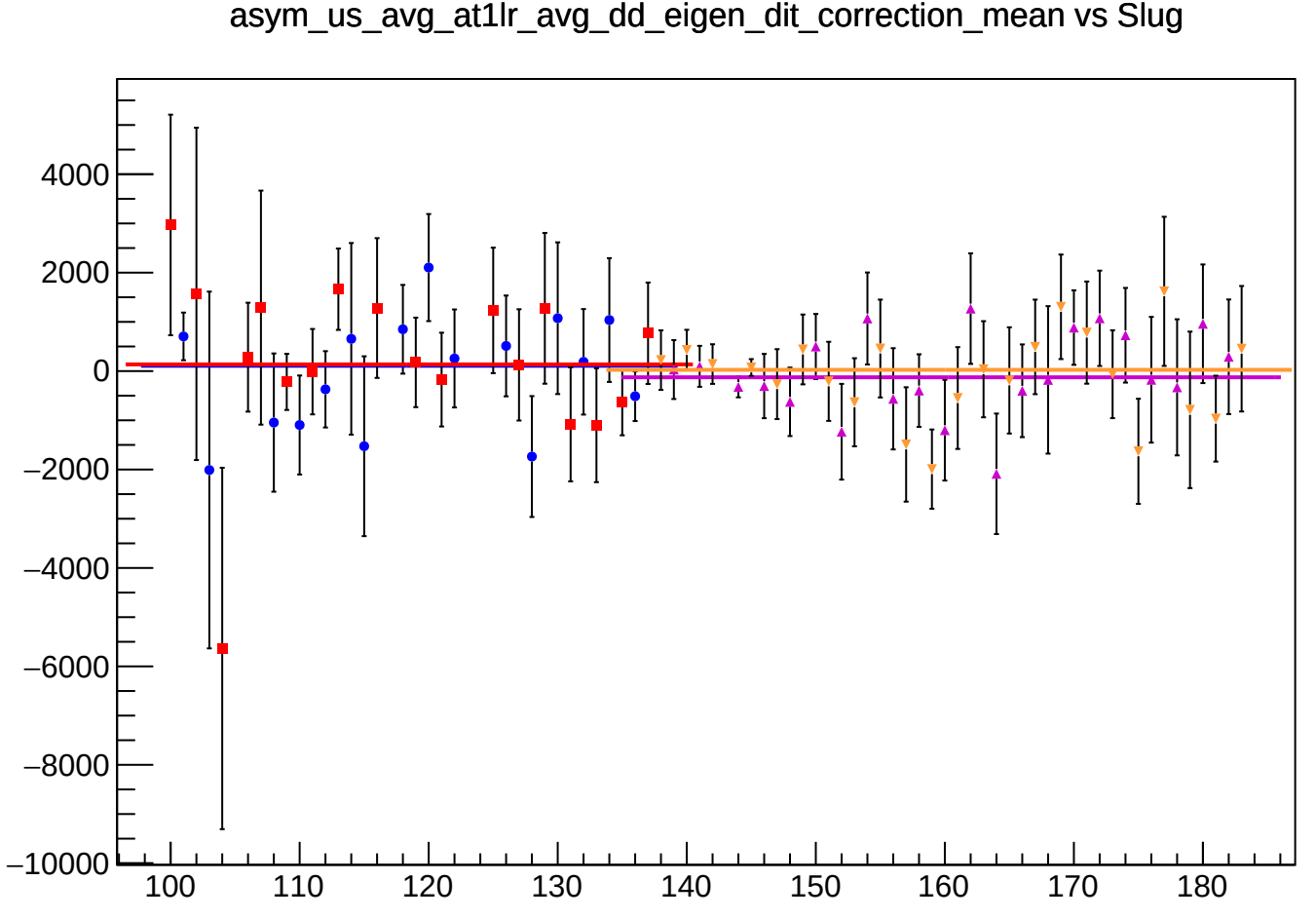
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.981+/-0.289 χ^2/NDF:2154.3/21

+ sign 1770.741+/-0.250 χ^2/NDF: 759684.1/38

All: 1774.973+/-0.177 χ^2/NDF: 1212804.5/78

- sign 1779.277+/-0.252 χ^2/NDF: 452540.5/39



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 25.181+/-119.521 χ^2/NDF:18.3/22

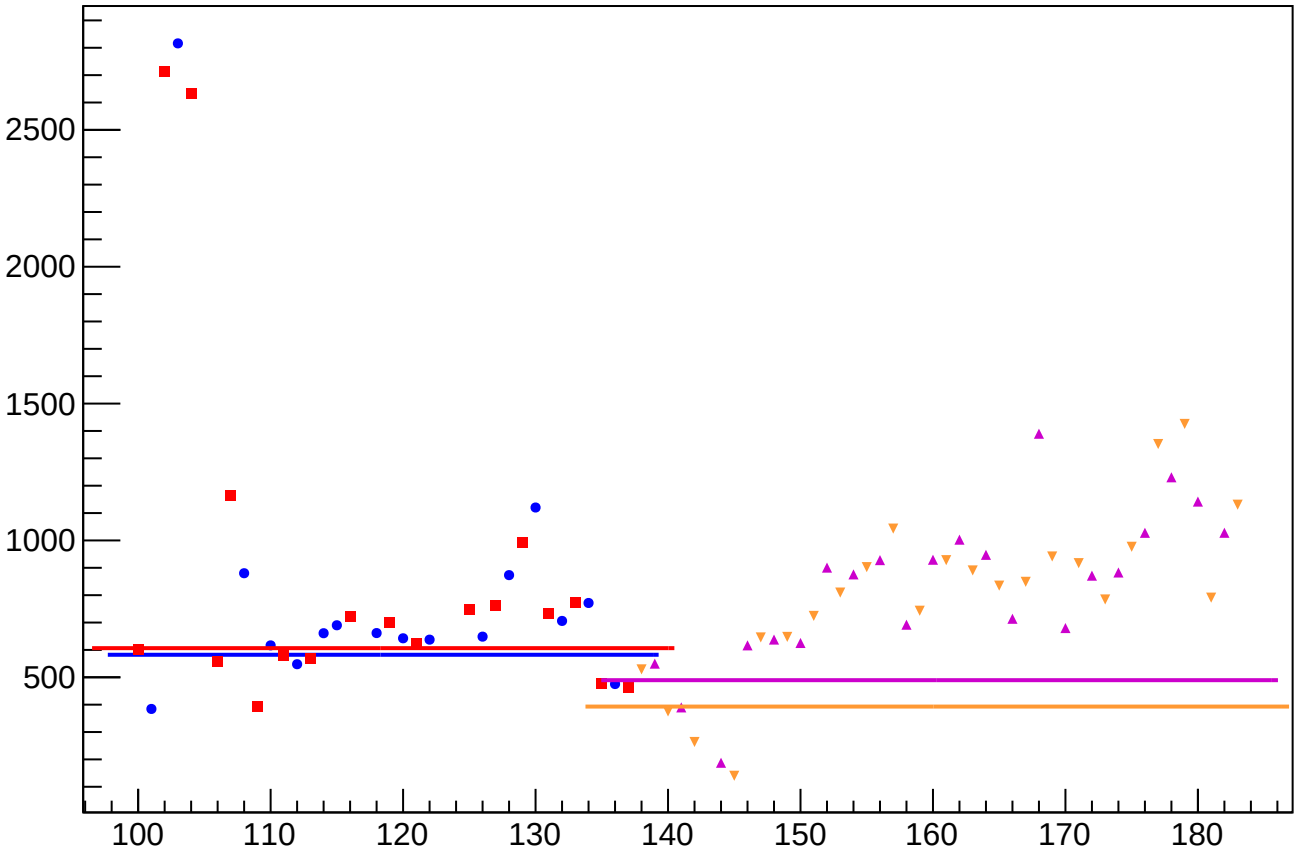
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -126.094+/-137.519 χ^2/NDF:16.3/21

+ sign 42.613+/-106.222 χ^2/NDF: 32.5/38

All: -4.131+/-79.546 χ^2/NDF: 64.5/78

- sign -63.817+/-120.029 χ^2/NDF: 31.5/39



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 393.022+/-0.085 χ^2/NDF:14124851.2/22

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

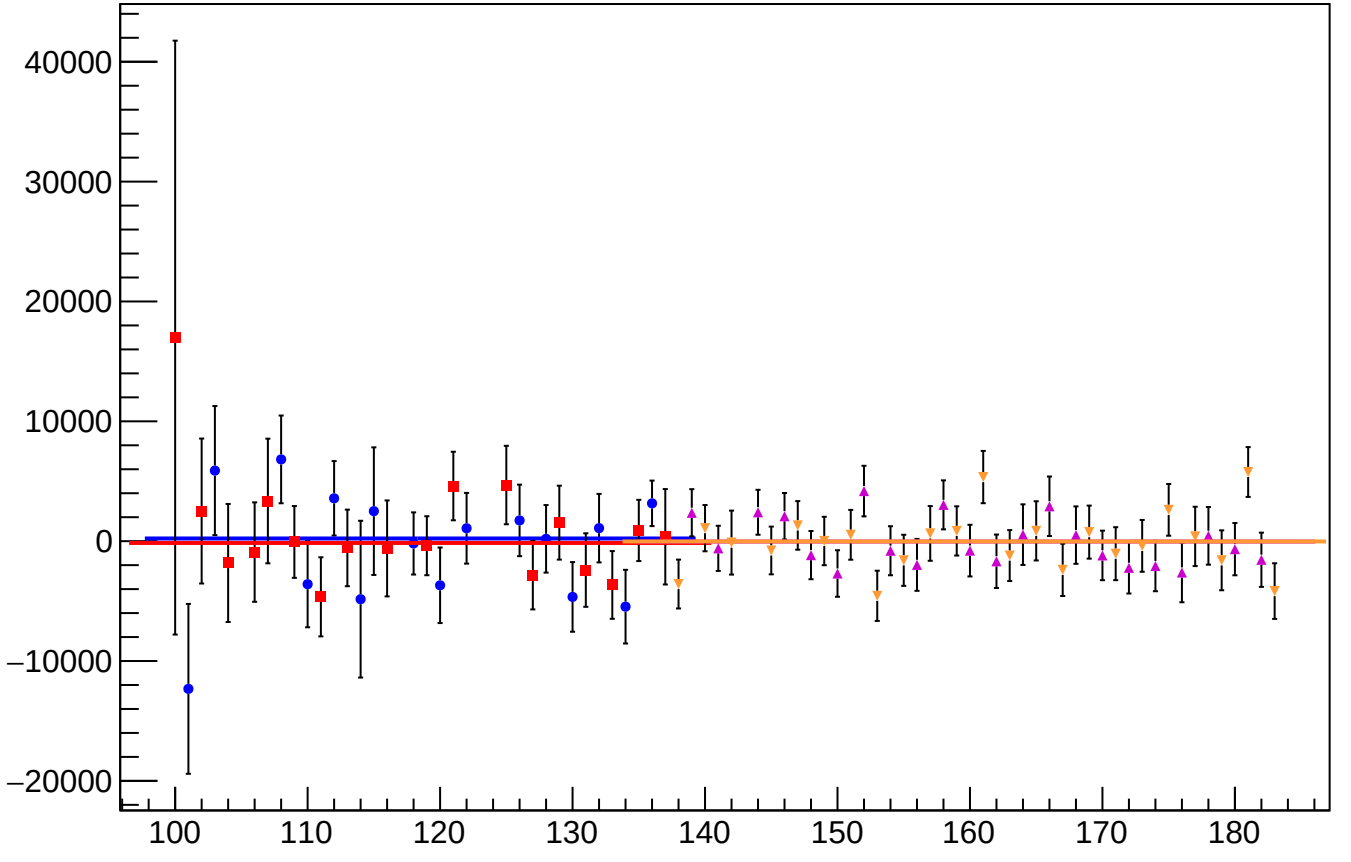
Left In: 489.449+/-0.097 χ^2/NDF:10259849.7/21

+ sign 432.793+/-0.075 χ^2/NDF: 16932894.1/38

All: 469.916+/-0.056 χ^2/NDF: 30292191.4/78

- sign 517.318+/-0.085 χ^2/NDF: 12803088.4/39

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -22.799+/-452.563 χ^2/NDF:30.4/22

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

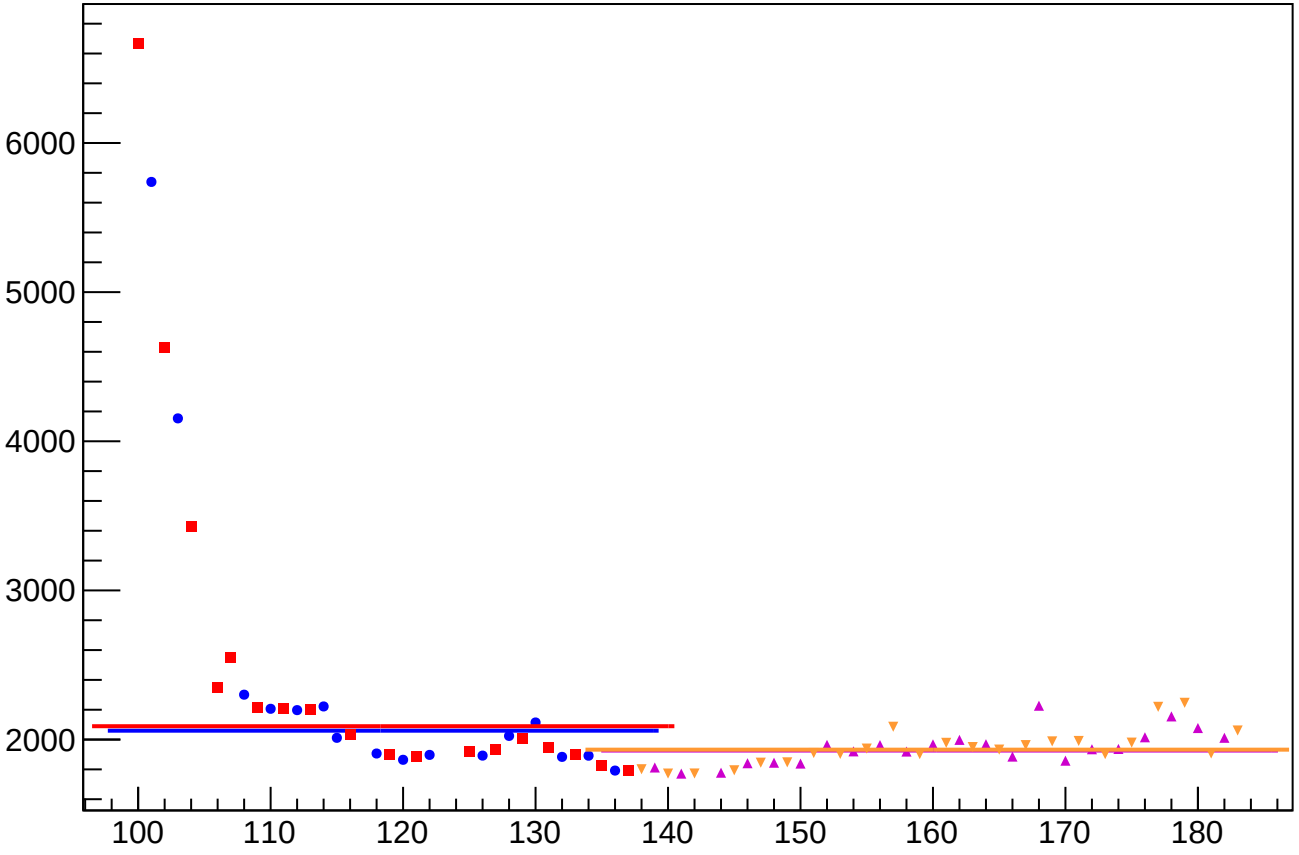
Left In: -30.975+/-454.247 χ^2/NDF:20.0/21

+ sign 38.115+/-392.897 χ^2/NDF: 51.7/38

All: -10.675+/-278.317 χ^2/NDF: 83.3/78

- sign -59.816+/-394.305 χ^2/NDF: 31.5/39

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1932.251+/-0.320 χ^2/NDF:126629.4/22

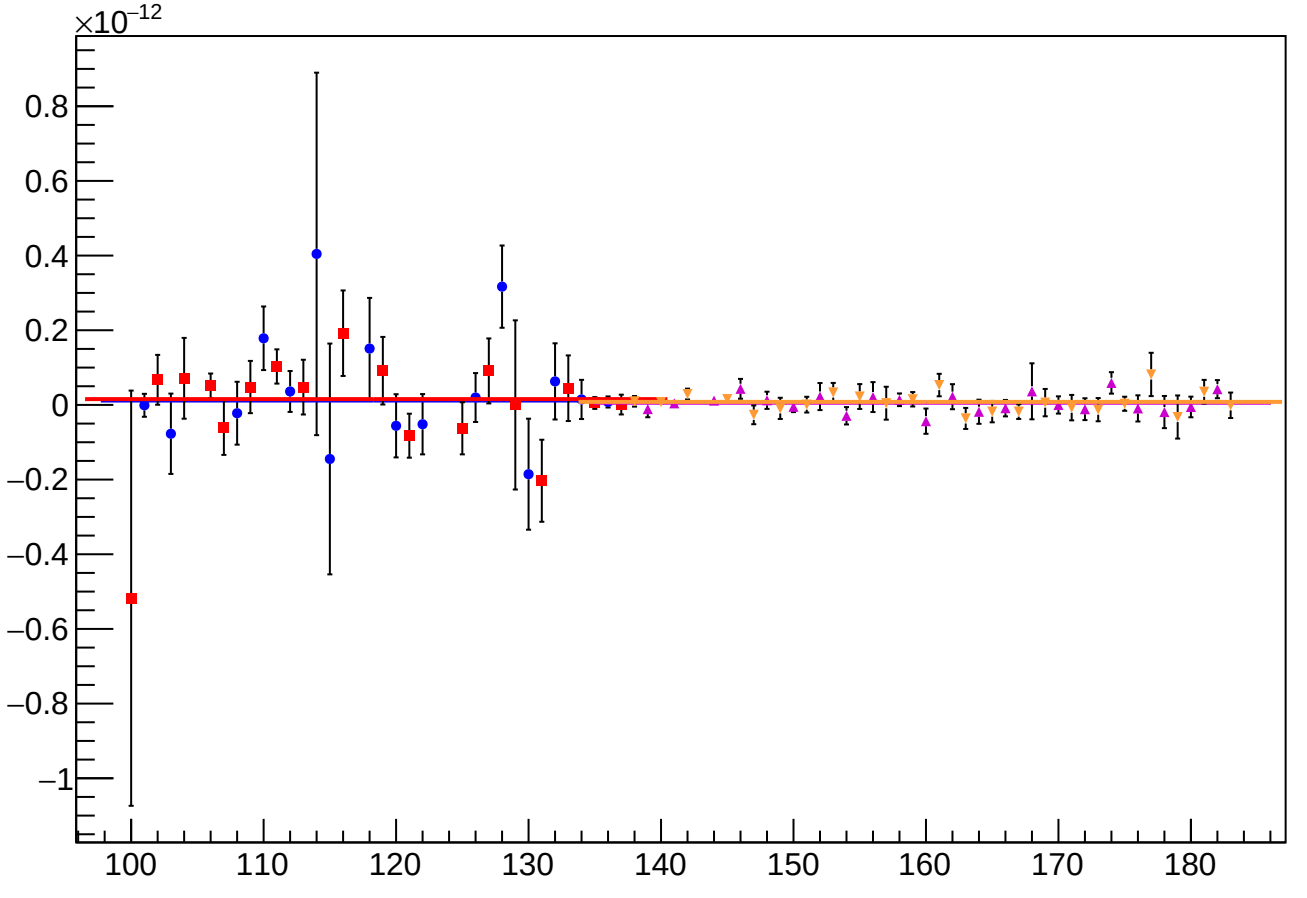
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1926.194+/-0.321 χ^2/NDF:115887.3/21

+ sign 1963.591+/-0.278 χ^2/NDF: 1105445.0/38

All: 1965.012+/-0.197 χ^2/NDF: 1966552.8/78

- sign 1966.444+/-0.279 χ^2/NDF: 861055.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/22

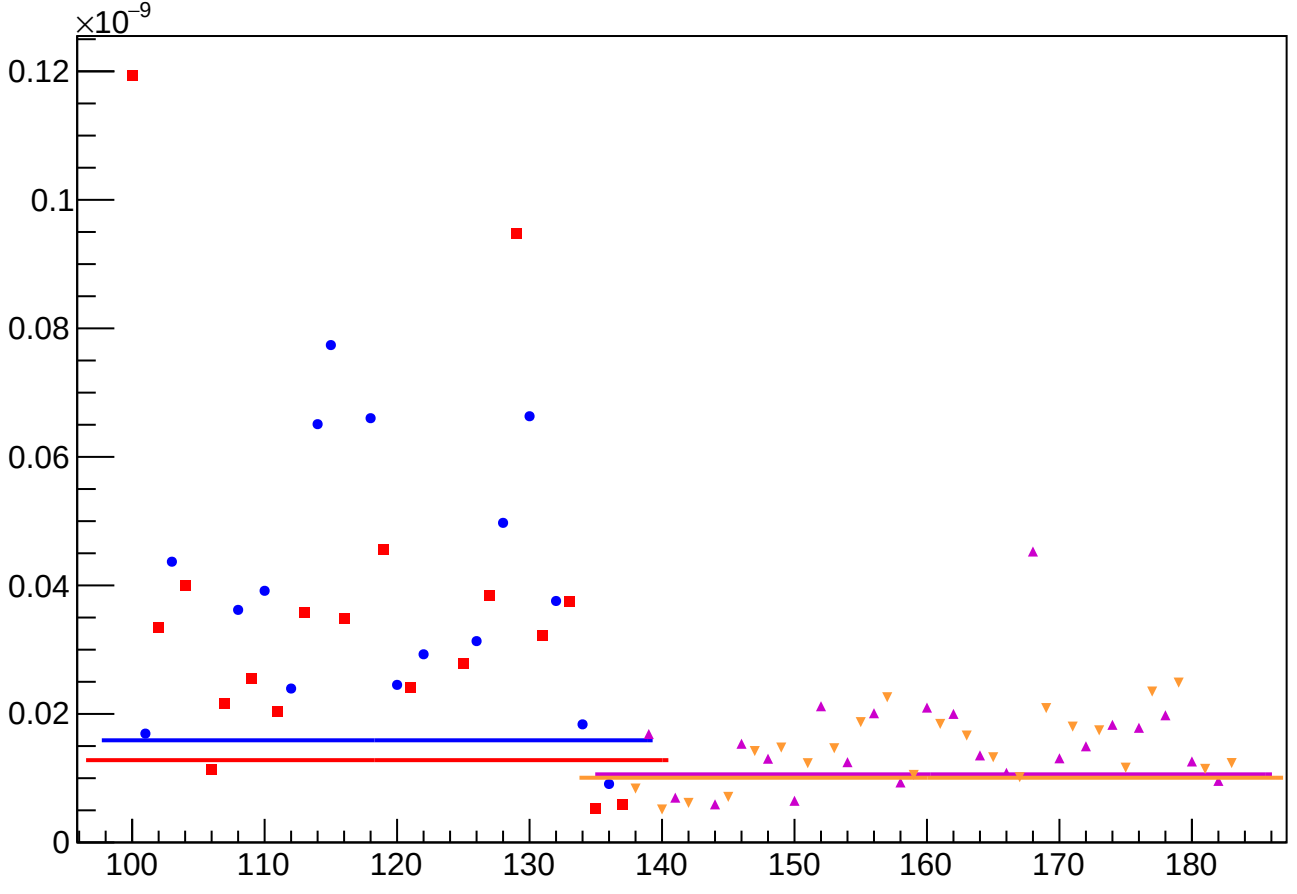
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:16.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/38

All: 0.000+/-0.000 χ^2/NDF: 73.4/78

- sign 0.000+/-0.000 χ^2/NDF: 38.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2263570.1/22

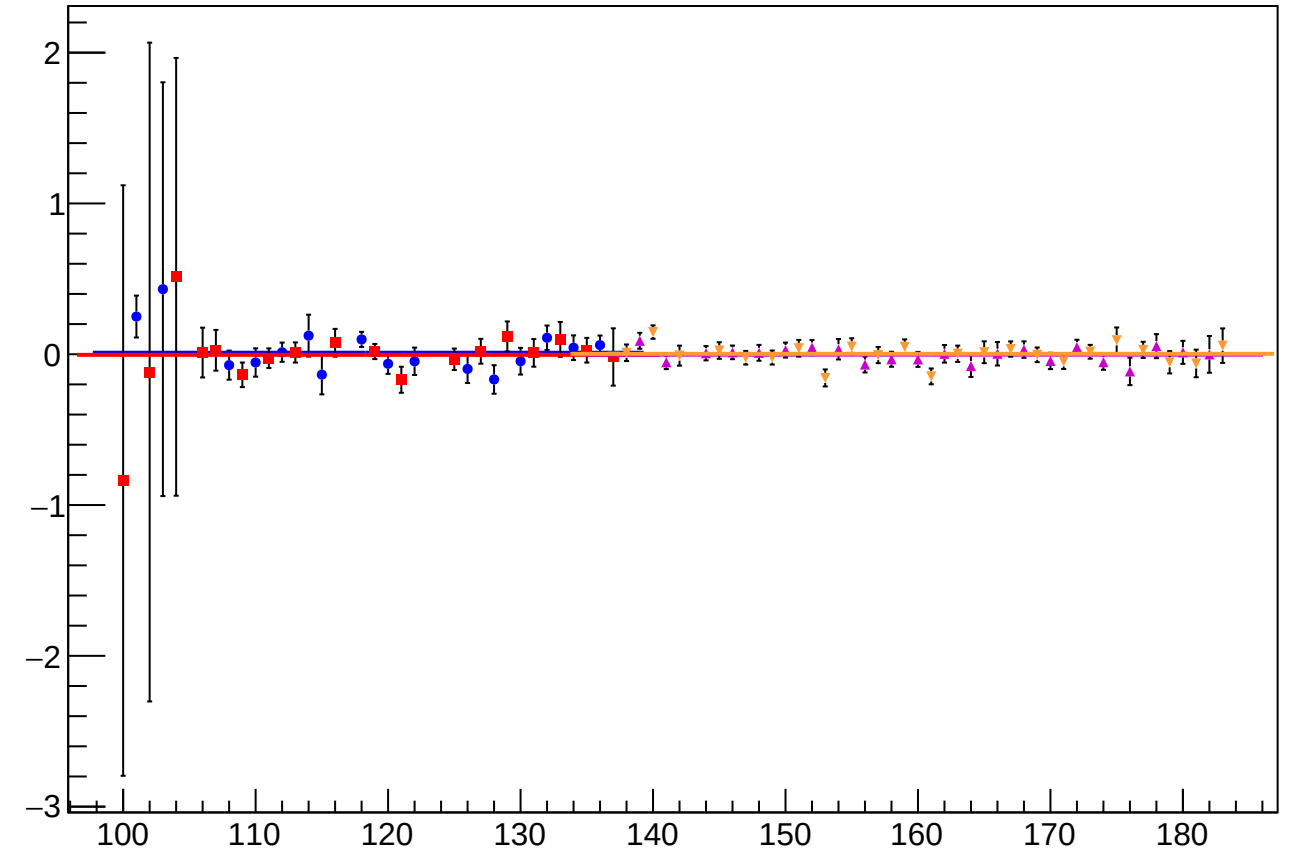
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2576919.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 4642112.6/38

All: 0.000+/-0.000 χ^2/NDF: 9778590.5/78

- sign 0.000+/-0.000 χ^2/NDF: 5135401.7/39



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

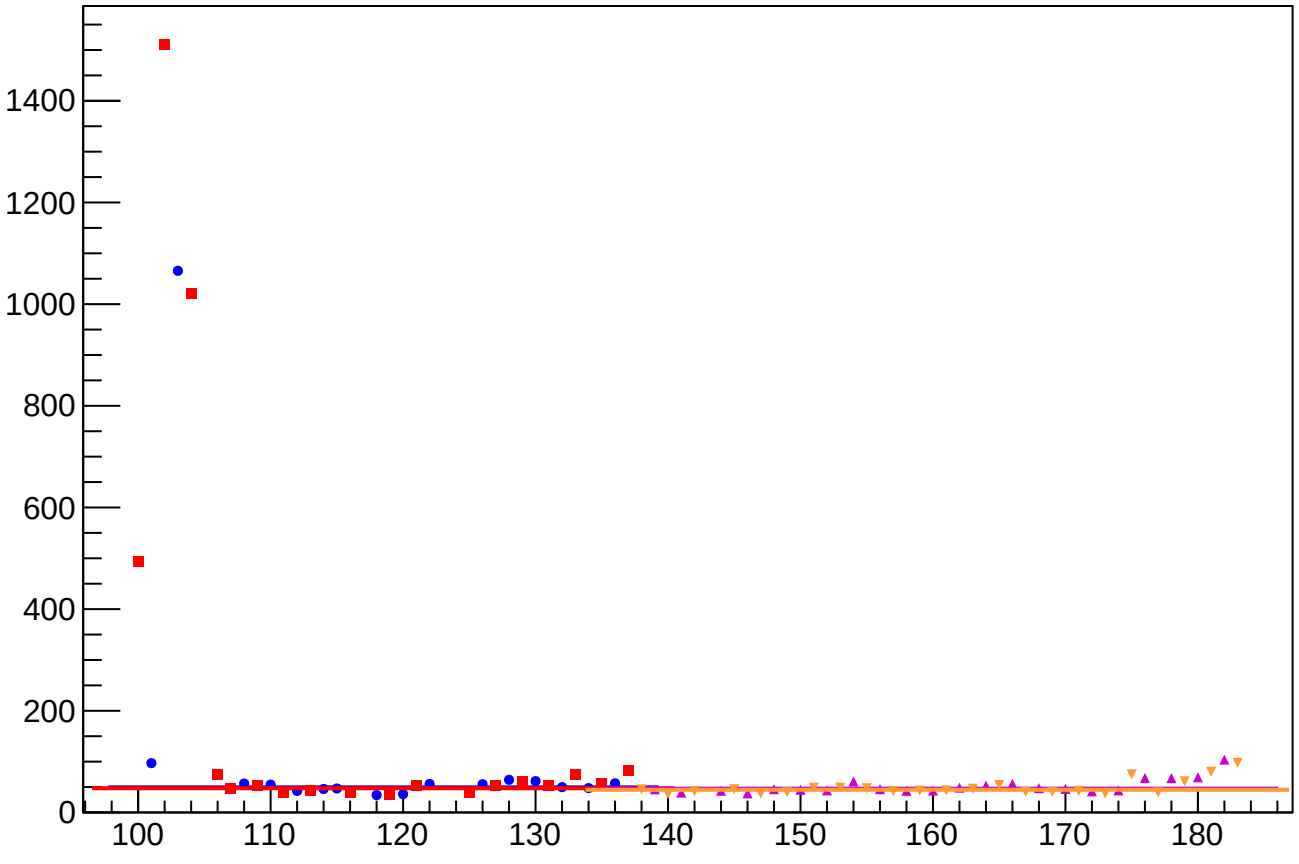
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/21

+ sign 0.004+/-0.010 χ^2/NDF: 52.3/38

All: 0.001+/-0.007 χ^2/NDF: 77.5/78

- sign -0.003+/-0.010 χ^2/NDF: 24.9/39



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 44.557+/-0.008 χ^2/NDF:1404216.8/22

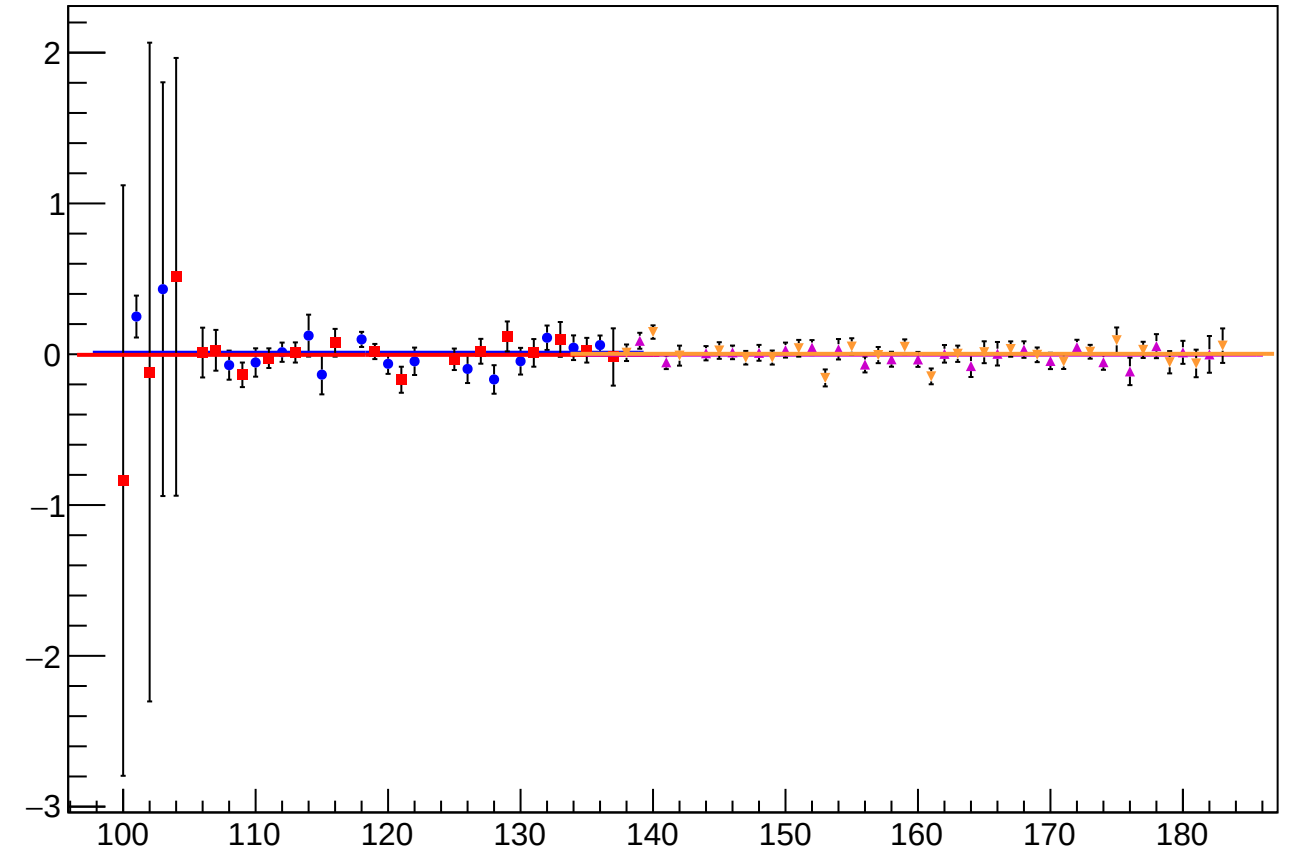
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 46.817+/-0.008 χ^2/NDF:1218204.2/21

+ sign 45.669+/-0.007 χ^2/NDF: 3260901.4/38

All: 46.313+/-0.005 χ^2/NDF: 6916161.8/78

- sign 47.002+/-0.007 χ^2/NDF: 3638445.3/39



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

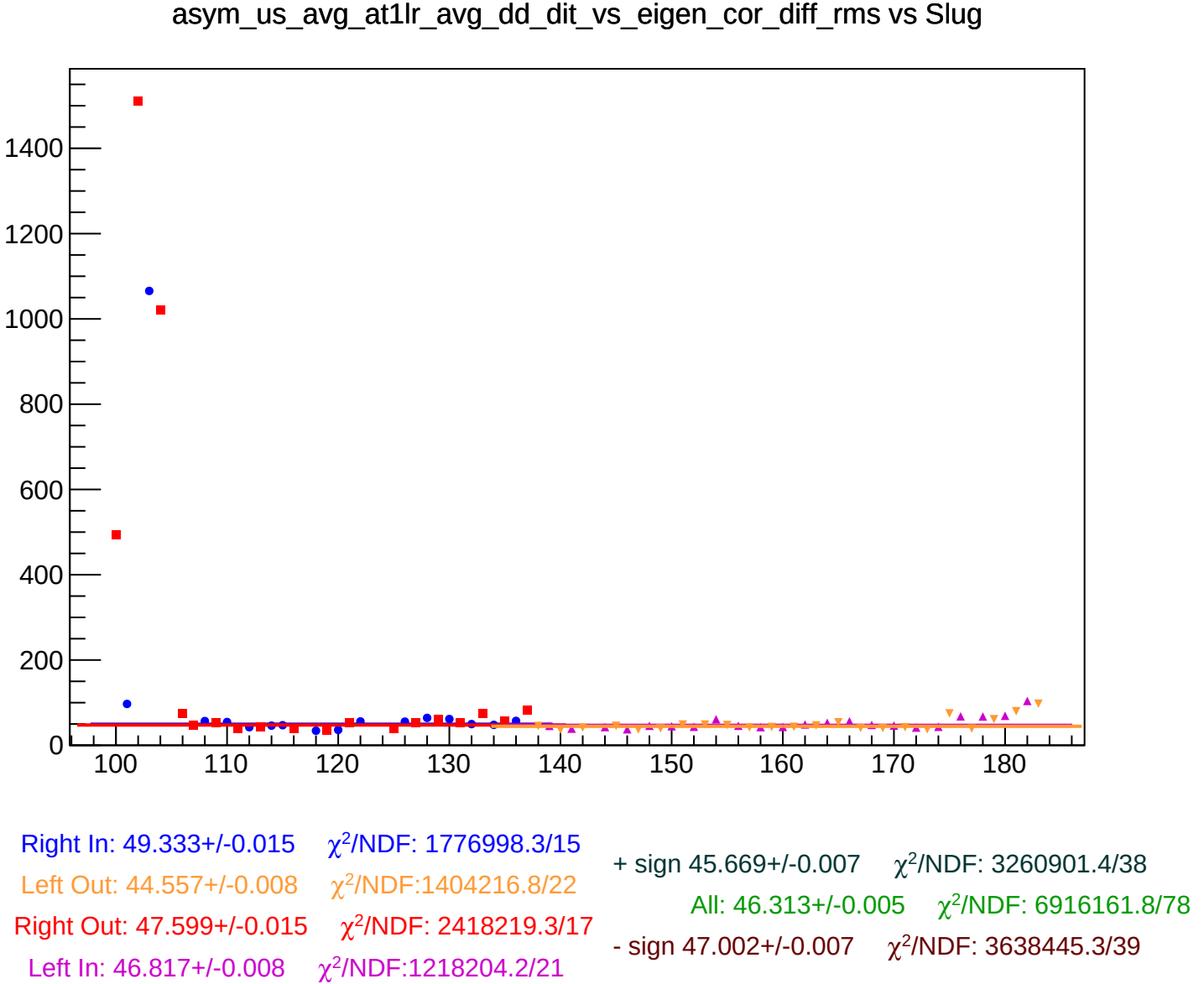
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

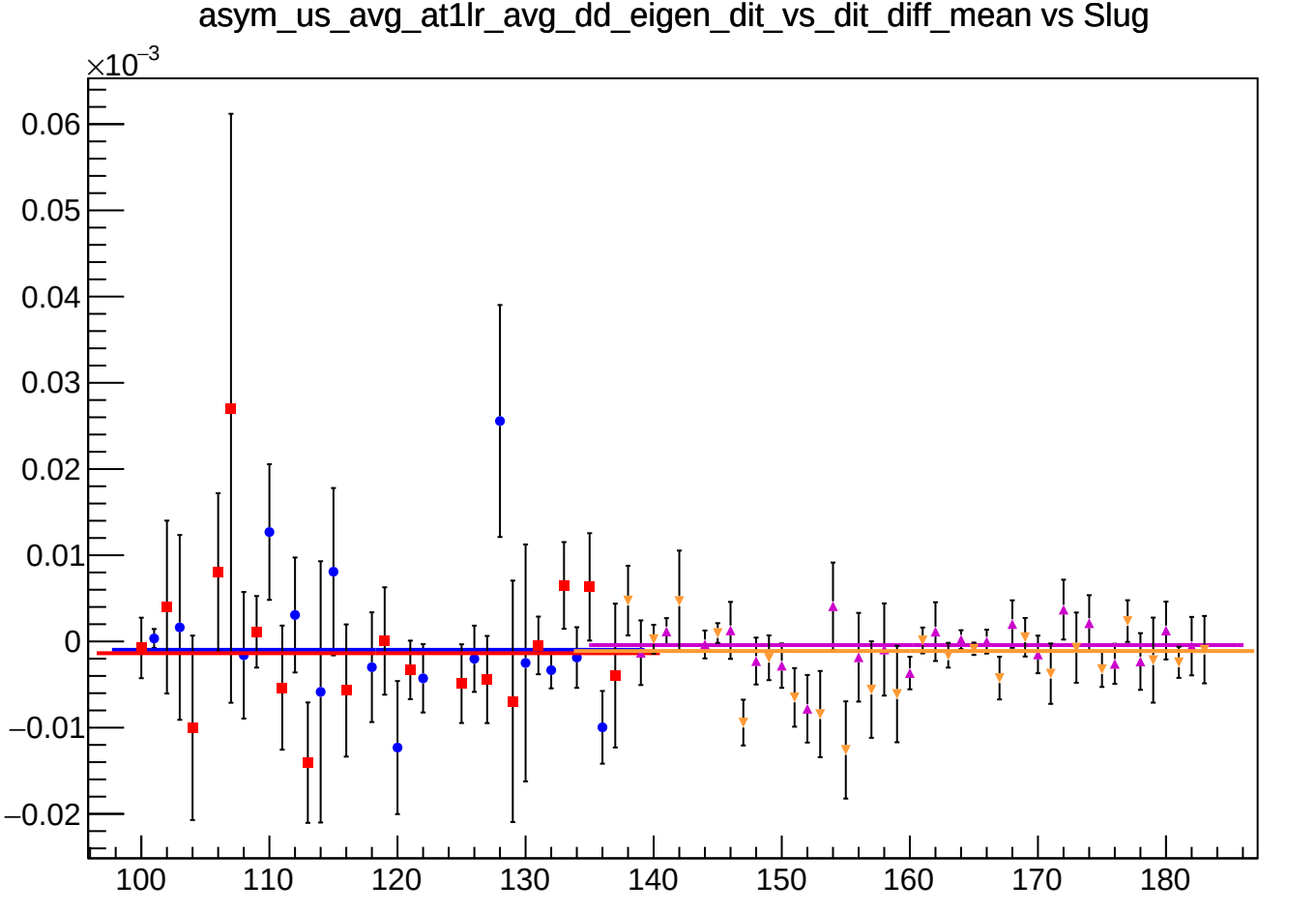
Left In: -0.003+/-0.012 χ^2/NDF:14.4/21

+ sign 0.004+/-0.010 χ^2/NDF: 52.3/38

All: 0.001+/-0.007 χ^2/NDF: 77.5/78

- sign -0.003+/-0.010 χ^2/NDF: 24.9/39


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 44.557+/-0.008 χ²/NDF:1404216.8/22
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 46.817+/-0.008 χ²/NDF:1218204.2/21
+ sign 45.669+/-0.007 χ²/NDF: 3260901.4/38
All: 46.313+/-0.005 χ²/NDF: 6916161.8/78
- sign 47.002+/-0.007 χ²/NDF: 3638445.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.4/22

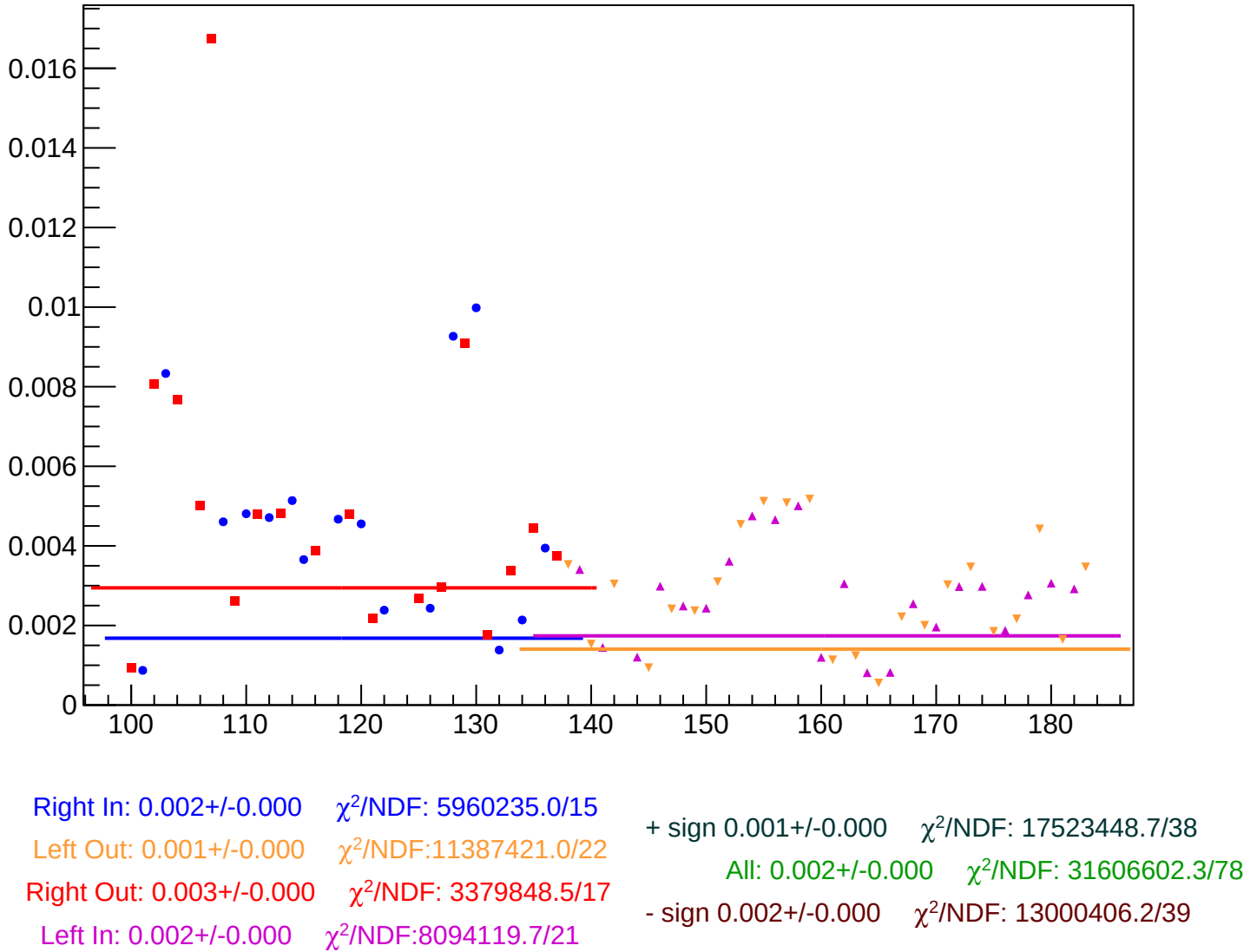
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:15.2/21

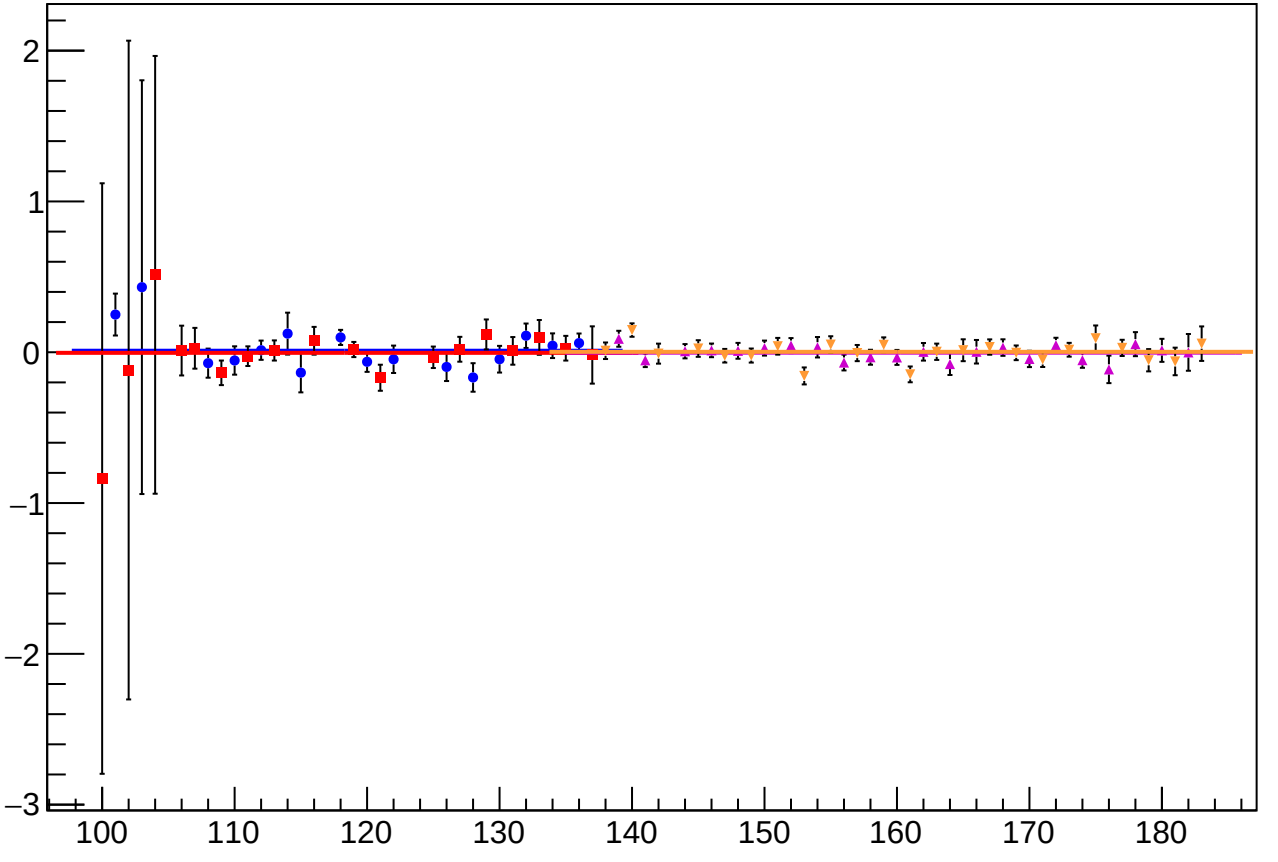
+ sign -0.000+/-0.000 χ^2/NDF: 53.1/38

All: -0.000+/-0.000 χ^2/NDF: 82.2/78

- sign -0.000+/-0.000 χ^2/NDF: 28.3/39


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:11387421.0/22
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:8094119.7/21
+ sign 0.001+/-0.000 χ²/NDF: 17523448.7/38
All: 0.002+/-0.000 χ²/NDF: 31606602.3/78
- sign 0.002+/-0.000 χ²/NDF: 13000406.2/39

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

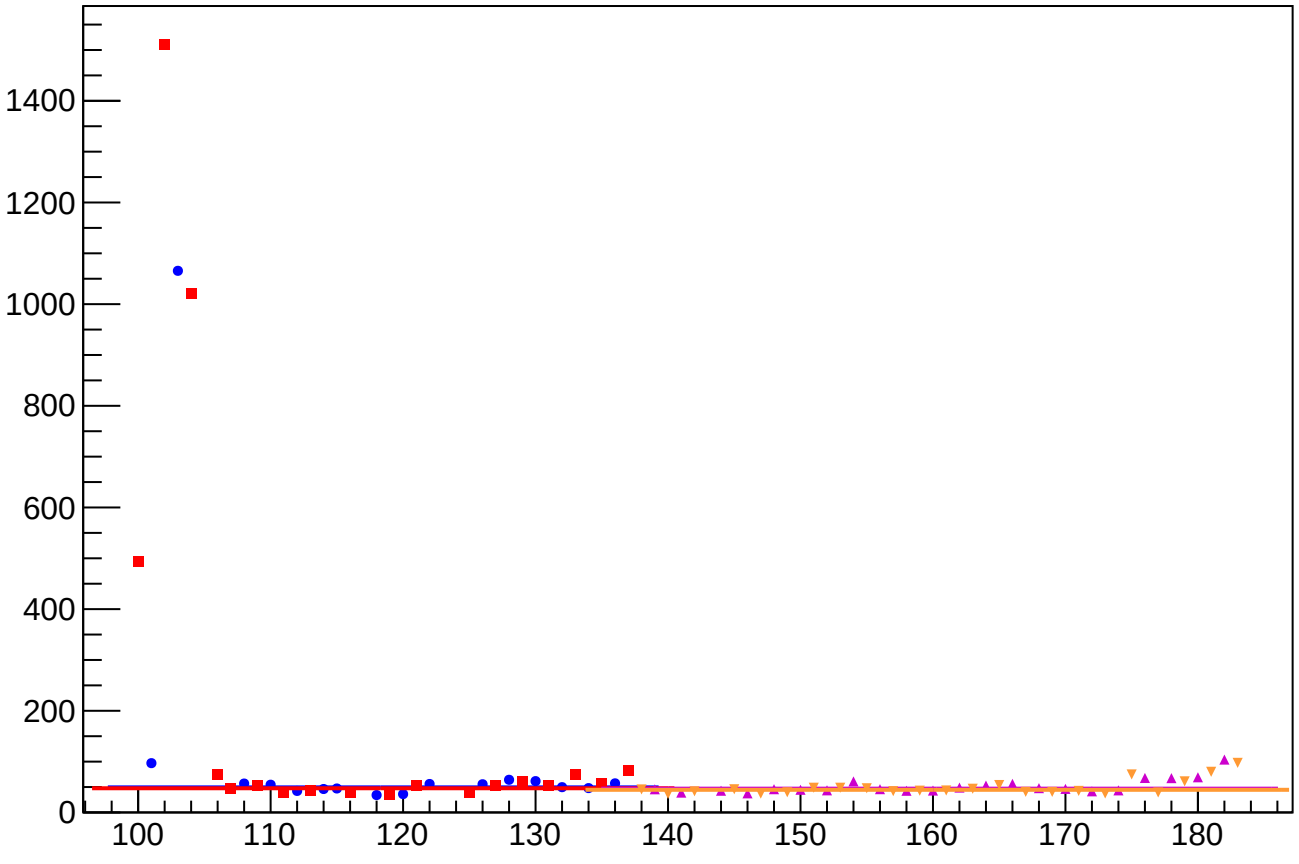
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/21

+ sign 0.004+/-0.010 χ^2/NDF: 52.3/38

All: 0.001+/-0.007 χ^2/NDF: 77.5/78

- sign -0.003+/-0.010 χ^2/NDF: 24.9/39



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 44.558+/-0.008 χ^2/NDF:1404222.6/22

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

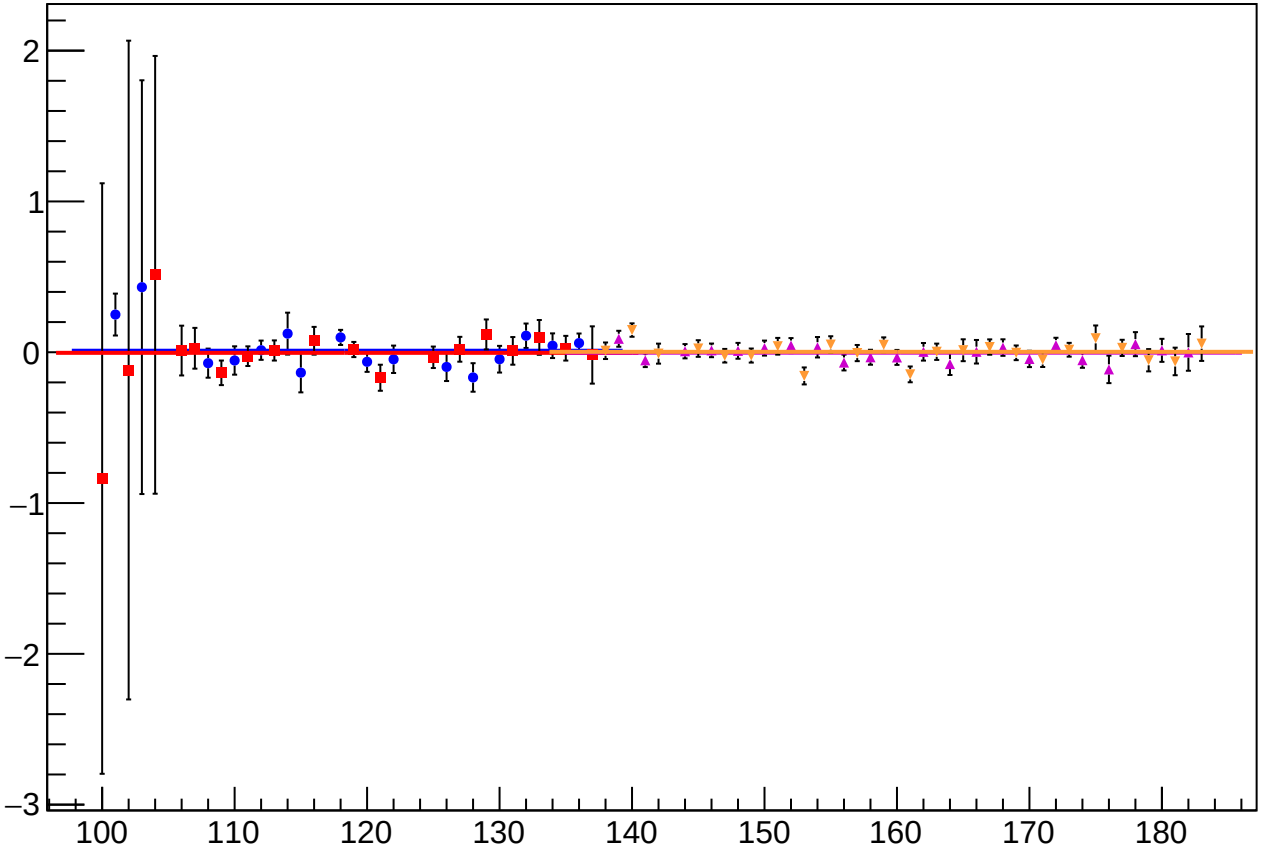
Left In: 46.817+/-0.008 χ^2/NDF:1218271.5/21

\+ sign 45.669+/-0.007 χ^2/NDF: 3260842.5/38

All: 46.313+/-0.005 χ^2/NDF: 6916186.7/78

\- sign 47.002+/-0.007 χ^2/NDF: 3638544.2/39

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

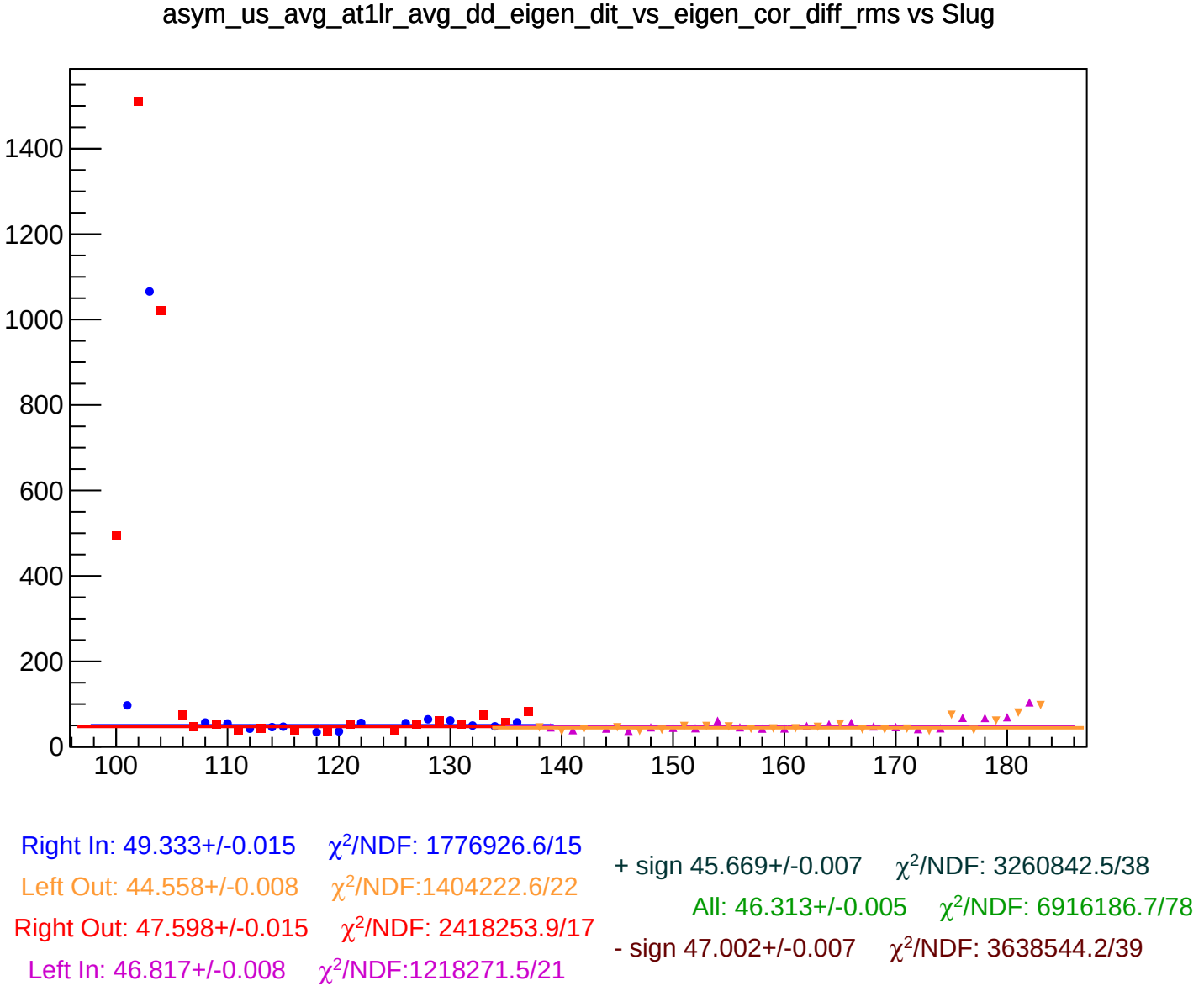
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/21

+ sign 0.004+/-0.010 χ^2/NDF: 52.3/38

All: 0.001+/-0.007 χ^2/NDF: 77.5/78

- sign -0.003+/-0.010 χ^2/NDF: 24.9/39


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
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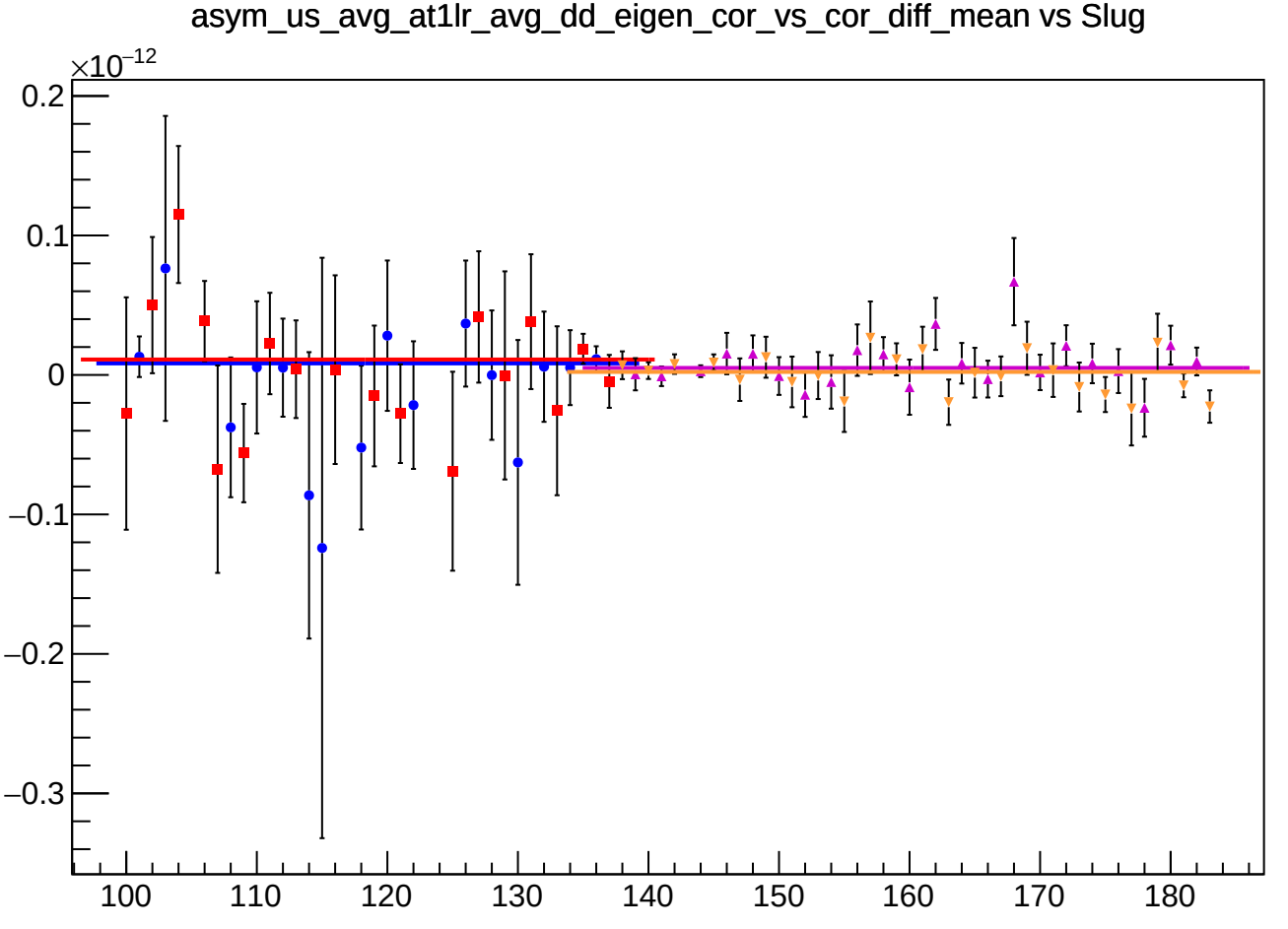
180
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 44.558+/-0.008 χ²/NDF:1404222.6/22
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 46.817+/-0.008 χ²/NDF:1218271.5/21
+ sign 45.669+/-0.007 χ²/NDF: 3260842.5/38
All: 46.313+/-0.005 χ²/NDF: 6916186.7/78
- sign 47.002+/-0.007 χ²/NDF: 3638544.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/22

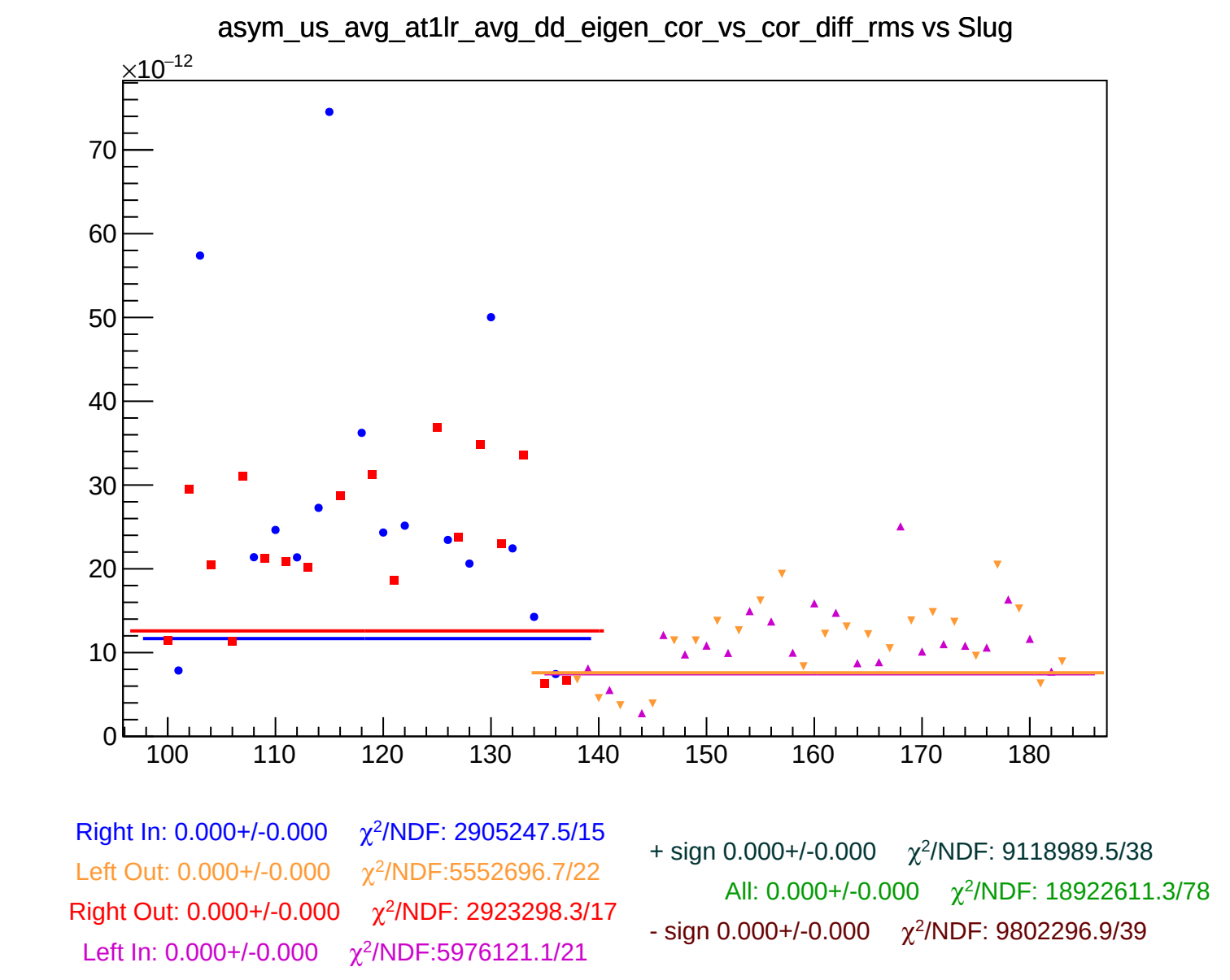
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:17.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 25.2/38

All: 0.000+/-0.000 χ^2/NDF: 60.5/78

- sign 0.000+/-0.000 χ^2/NDF: 34.6/39


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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110
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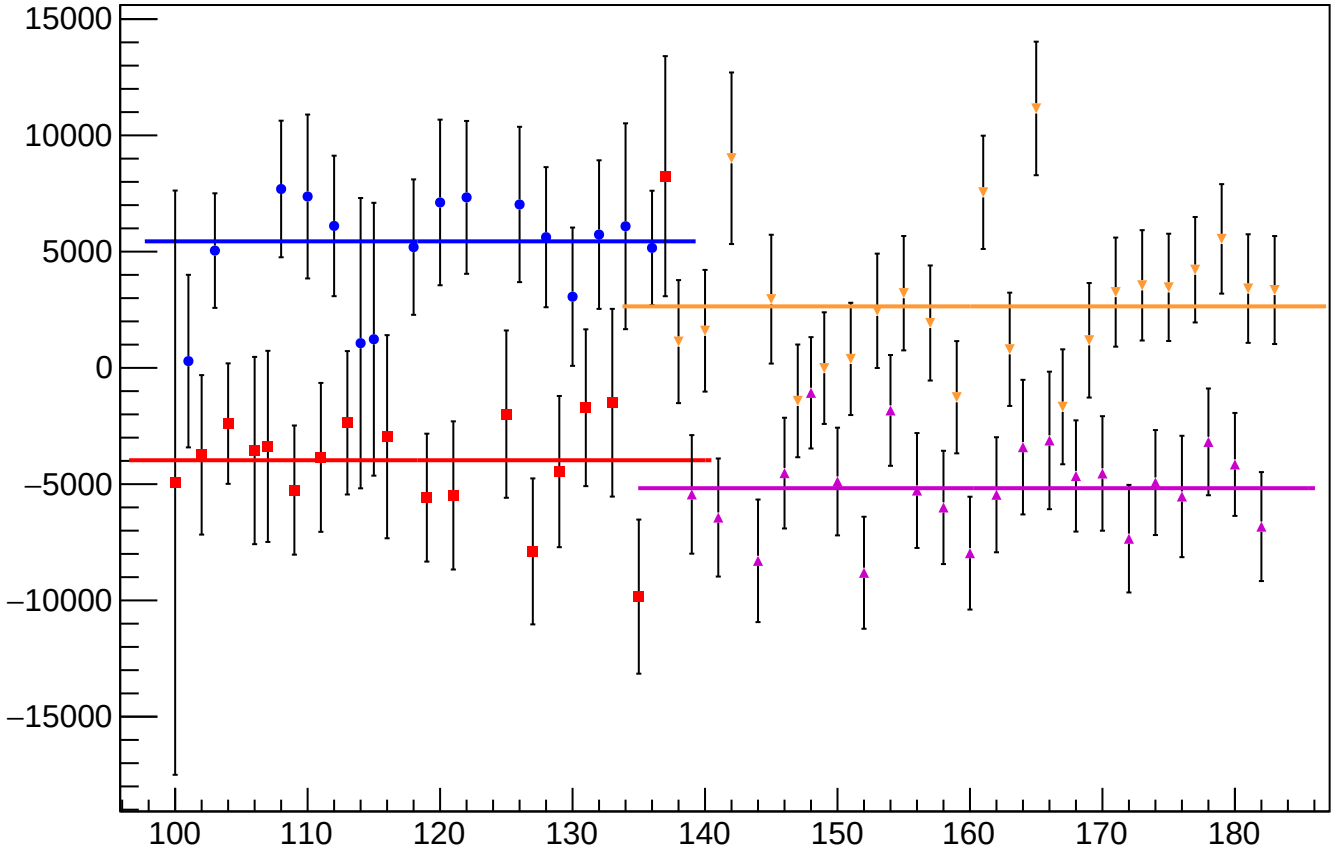
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5552696.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5976121.1/21
+ sign 0.000+/-0.000 χ²/NDF: 9118989.5/38
All: 0.000+/-0.000 χ²/NDF: 18922611.3/78
- sign 0.000+/-0.000 χ²/NDF: 9802296.9/39

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2645.732+/-516.323 χ^2/NDF:30.5/22

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

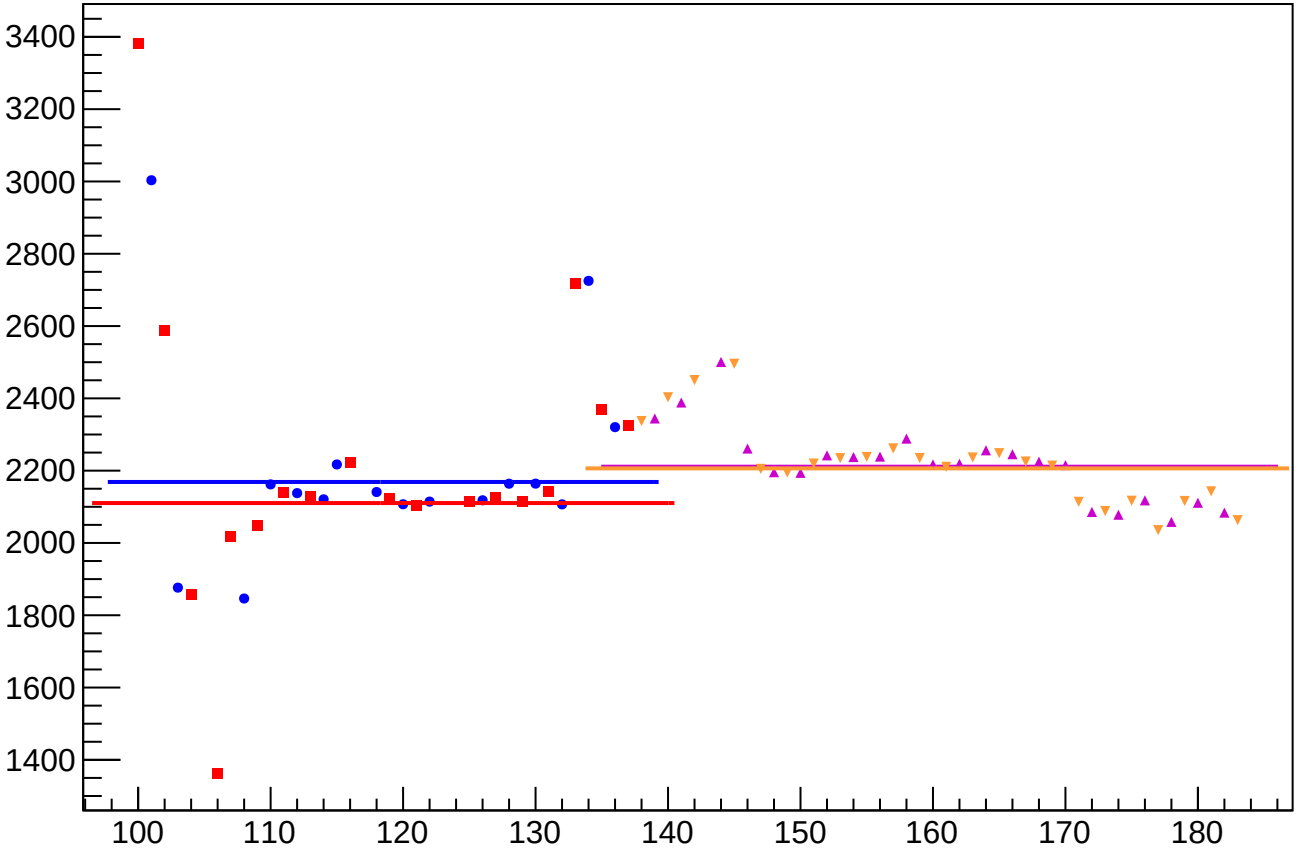
Left In: -5173.607+/-521.068 χ^2/NDF:13.7/21

+ sign 3450.162+/-435.782 χ^2/NDF: 44.3/38

All: -663.881+/-308.950 χ^2/NDF: 251.8/78

- sign -4821.216+/-438.069 χ^2/NDF: 28.3/39

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2206.319+/-0.365 χ^2/NDF:84080.1/22

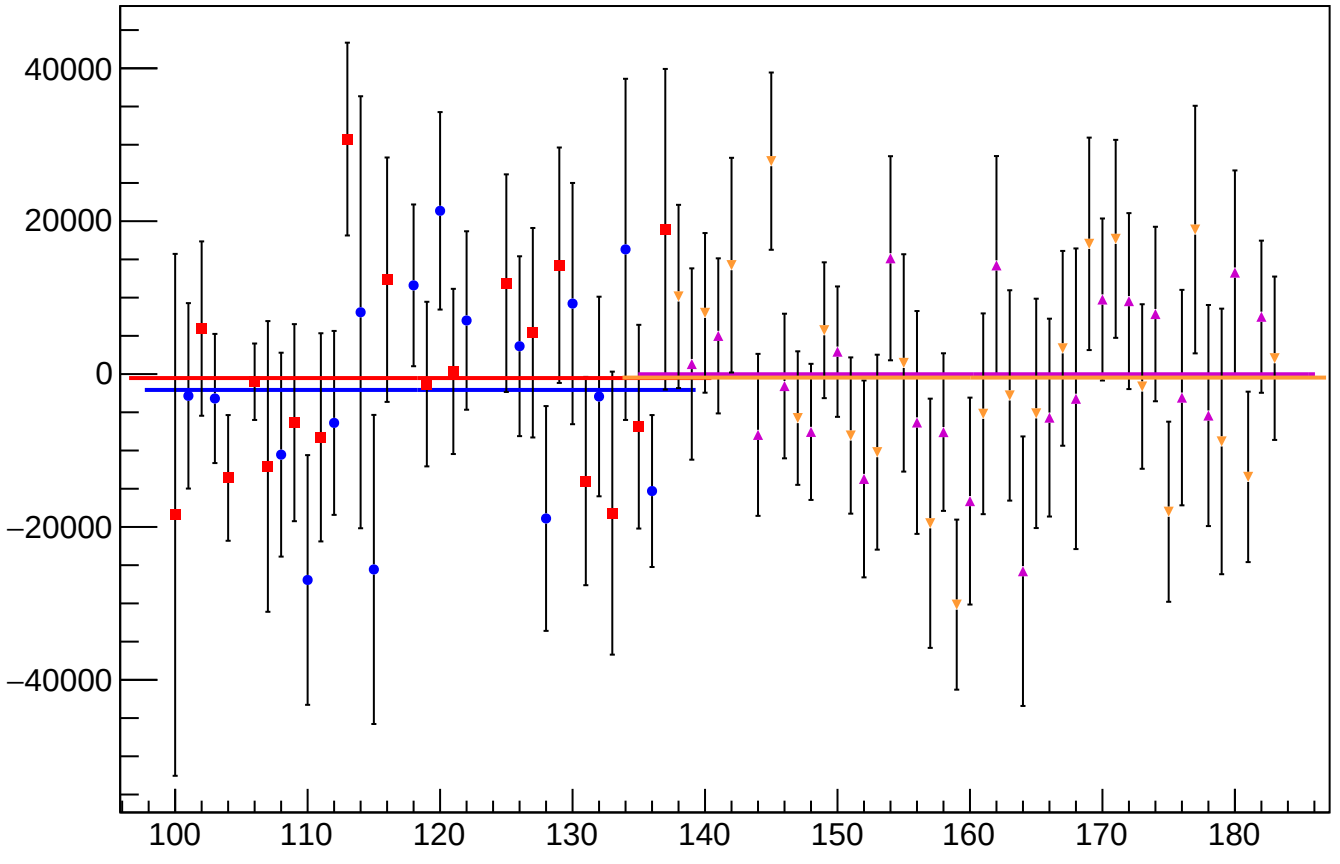
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2210.943+/-0.368 χ^2/NDF:78374.5/21

+ sign 2195.502+/-0.308 χ^2/NDF: 282790.9/38

All: 2188.145+/-0.218 χ^2/NDF: 652065.0/78

- sign 2180.781+/-0.308 χ^2/NDF: 368133.5/39



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -459.590+/-2503.677 χ^2/NDF:28.2/22

Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

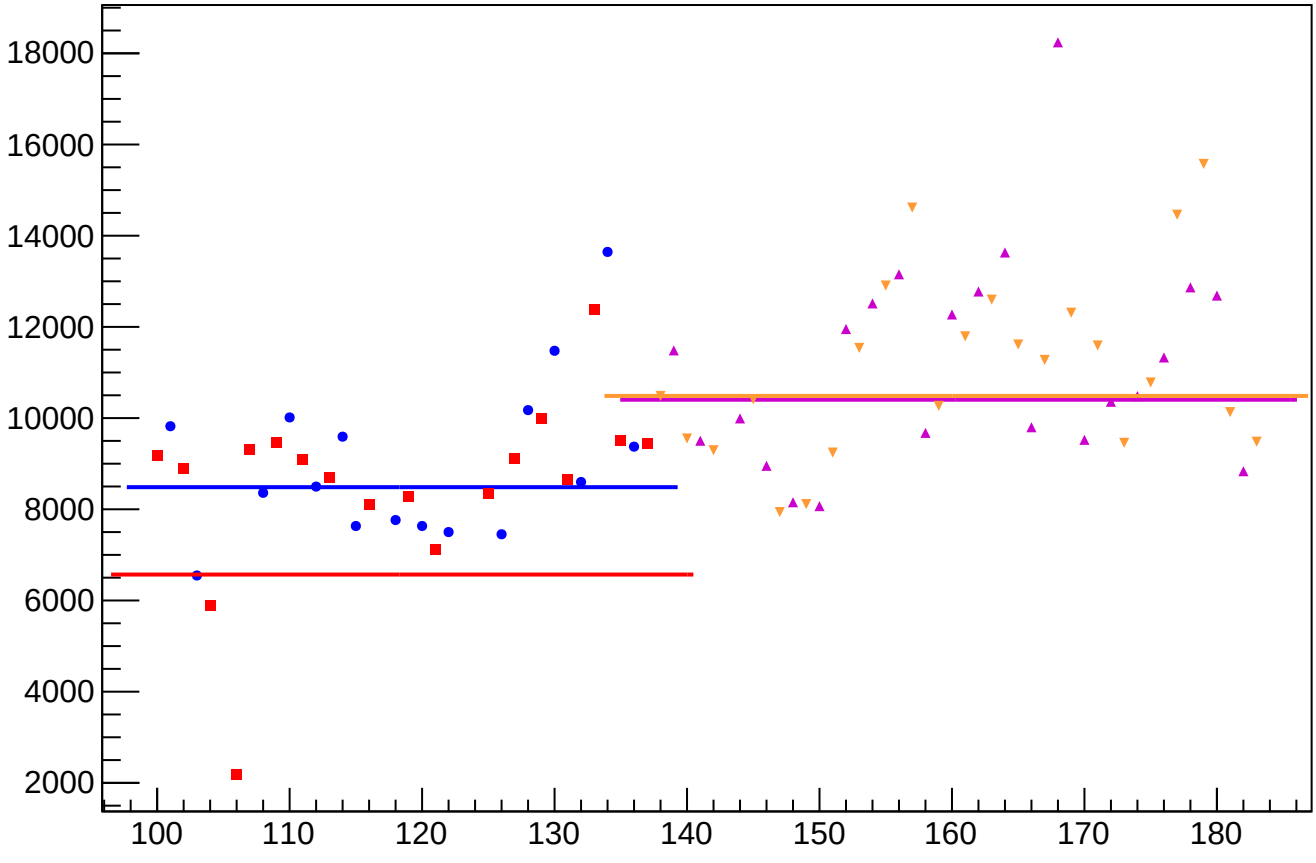
Left In: -24.172+/-2499.387 χ^2/NDF:13.4/21

+ sign -1070.050+/-1974.678 χ^2/NDF: 42.8/38

All: -632.088+/-1345.790 χ^2/NDF: 72.0/78

- sign -252.232+/-1839.023 χ^2/NDF: 29.1/39

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10486.165+/-1.770 χ^2/NDF:1039732.2/22

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

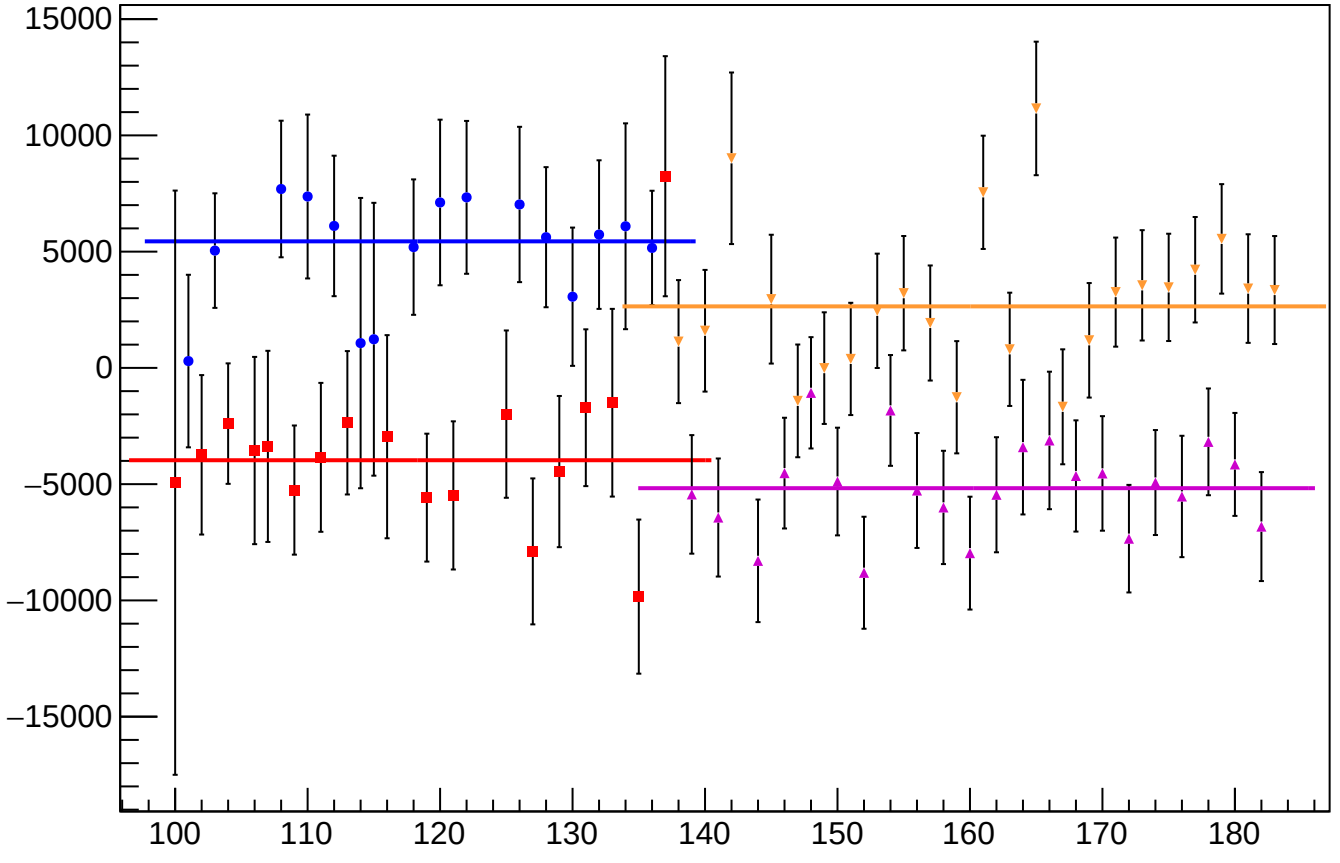
Left In: 10402.517+/-1.767 χ^2/NDF:1189472.3/21

+ sign 9729.856+/-1.396 χ^2/NDF: 1945336.9/38

All: 9148.503+/-0.952 χ^2/NDF: 8185485.6/78

- sign 8644.282+/-1.300 χ^2/NDF: 5916453.2/39

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2645.655+/-516.323 χ^2/NDF:30.5/22

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

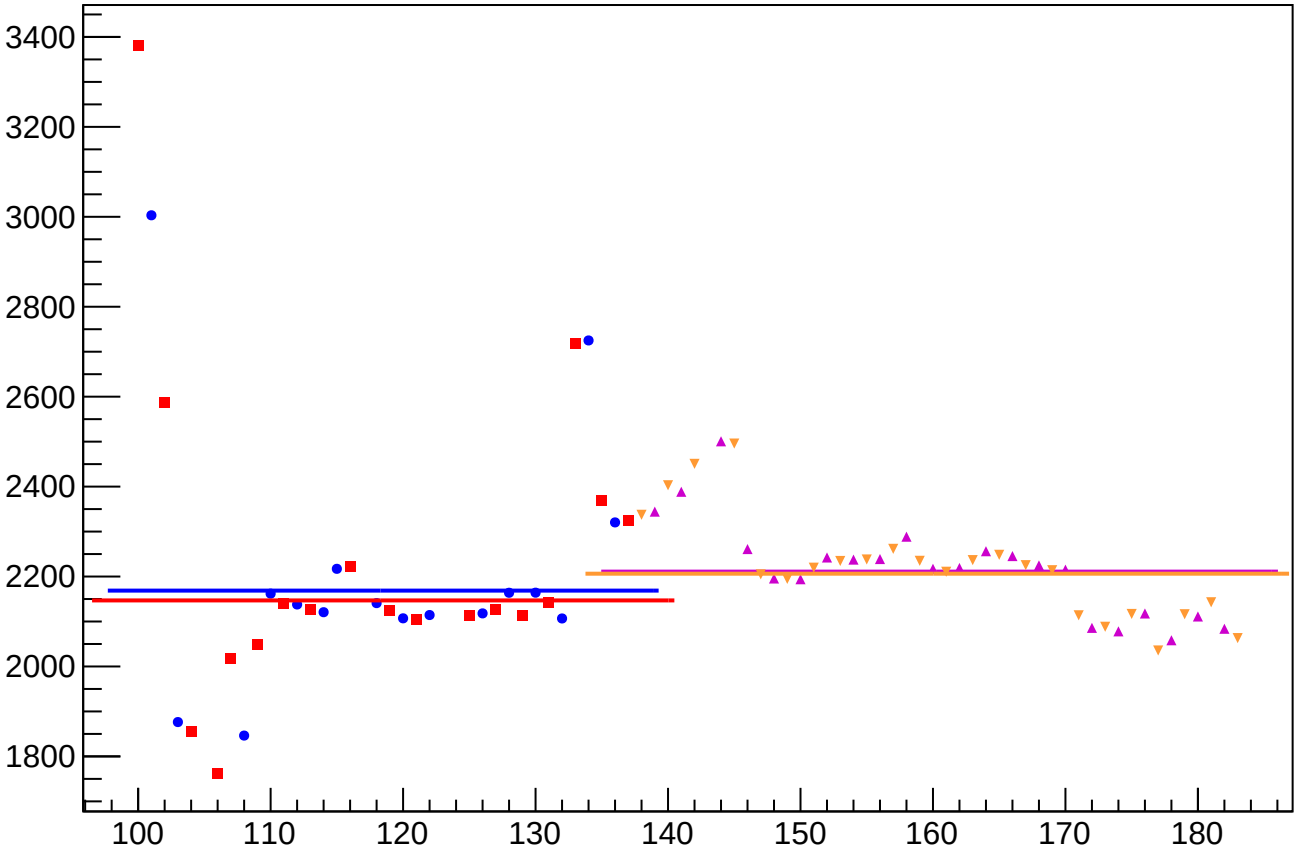
Left In: -5173.519+/-521.068 χ^2/NDF:13.7/21

+ sign 3450.148+/-435.783 χ^2/NDF: 44.3/38

All: -663.819+/-308.950 χ^2/NDF: 251.8/78

- sign -4821.078+/-438.069 χ^2/NDF: 28.3/39

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2206.319+/-0.365 χ^2/NDF:84080.0/22

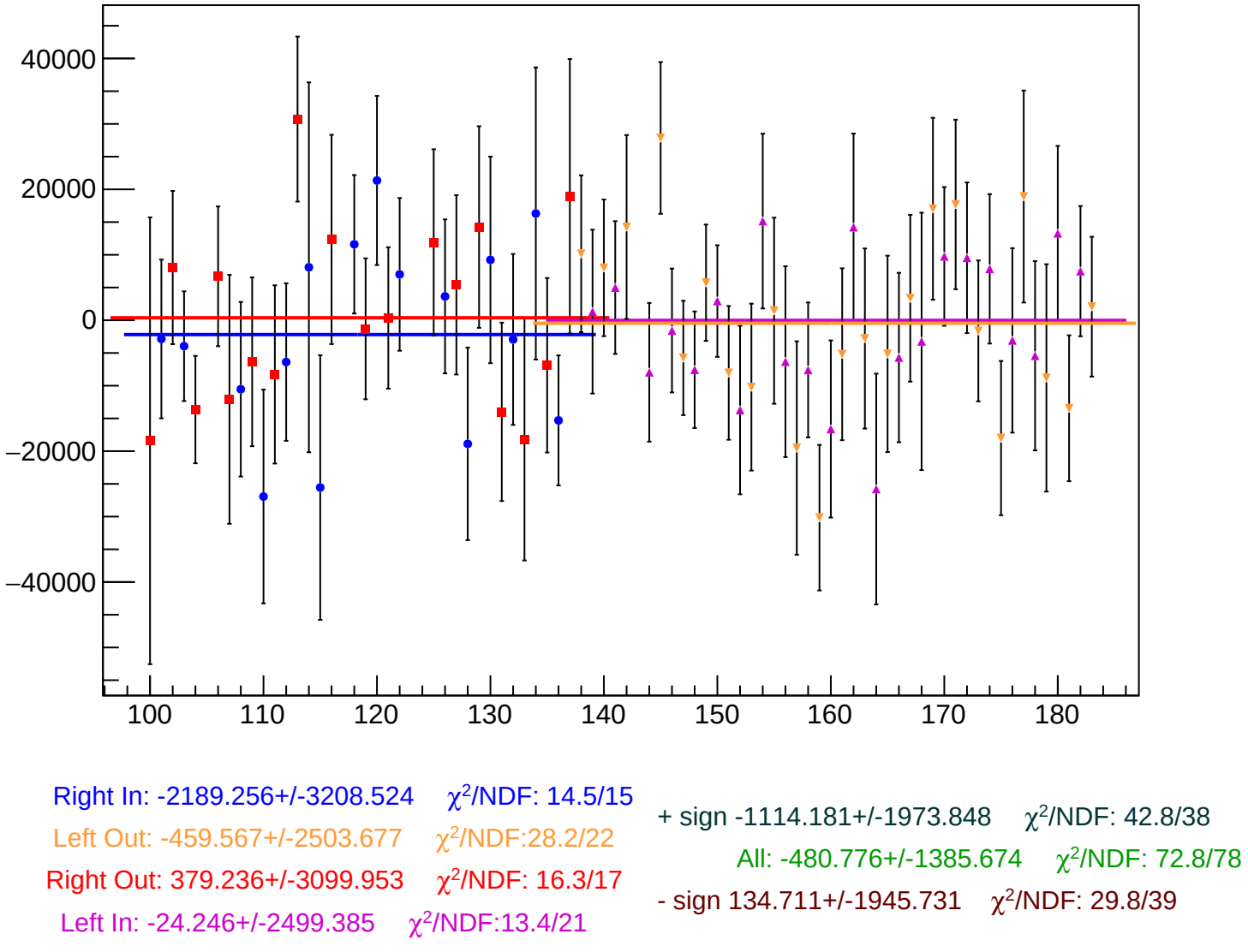
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

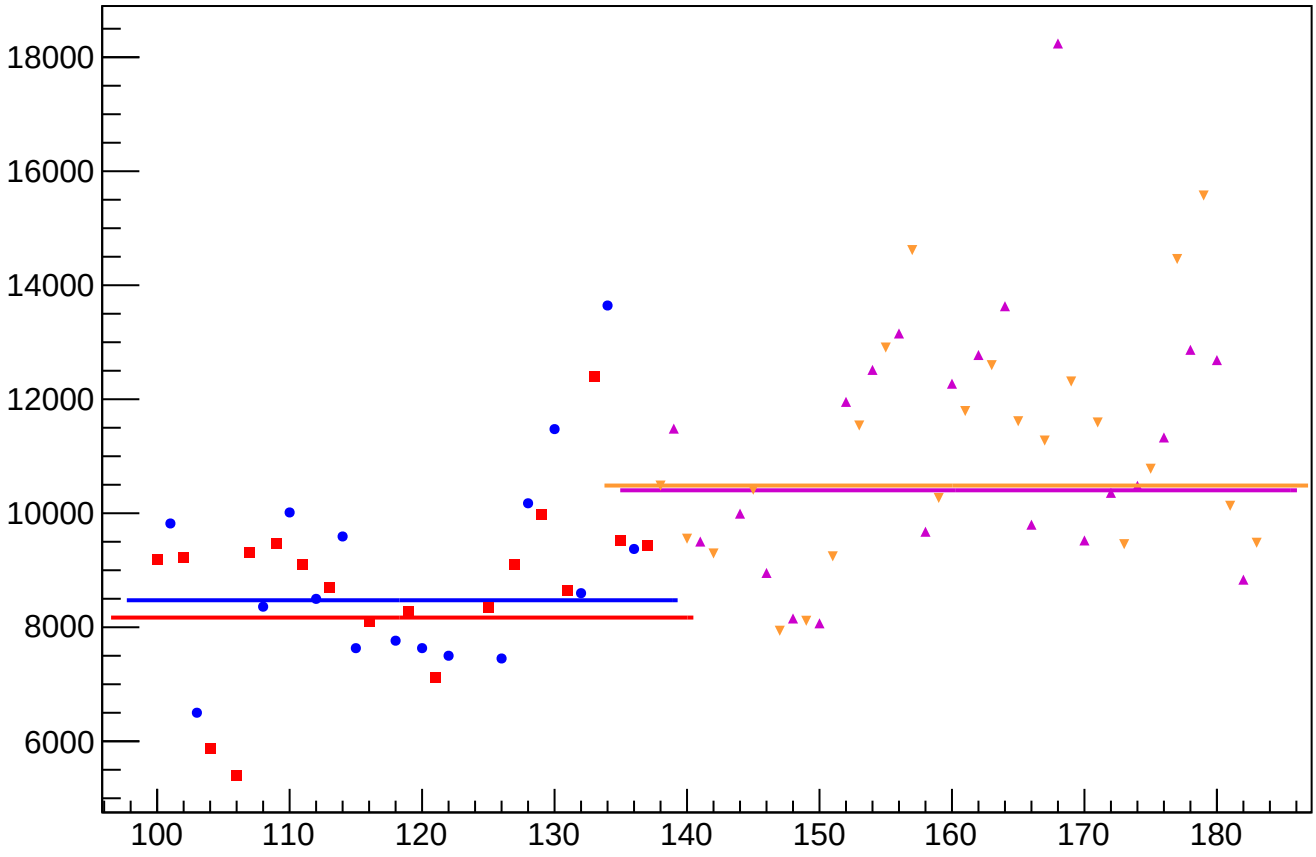
Left In: 2210.943+/-0.368 χ^2/NDF:78374.5/21

+ sign 2195.502+/-0.308 χ^2/NDF: 282791.3/38

All: 2193.772+/-0.218 χ^2/NDF: 527903.8/78

- sign 2192.029+/-0.309 χ^2/NDF: 245049.2/39


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -459.567+/-2503.677 χ²/NDF:28.2/22
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -24.246+/-2499.385 χ²/NDF:13.4/21
+ sign -1114.181+/-1973.848 χ²/NDF: 42.8/38
All: -480.776+/-1385.674 χ²/NDF: 72.8/78
- sign 134.711+/-1945.731 χ²/NDF: 29.8/39



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10486.163+/-1.770 χ^2/NDF:1039734.1/22

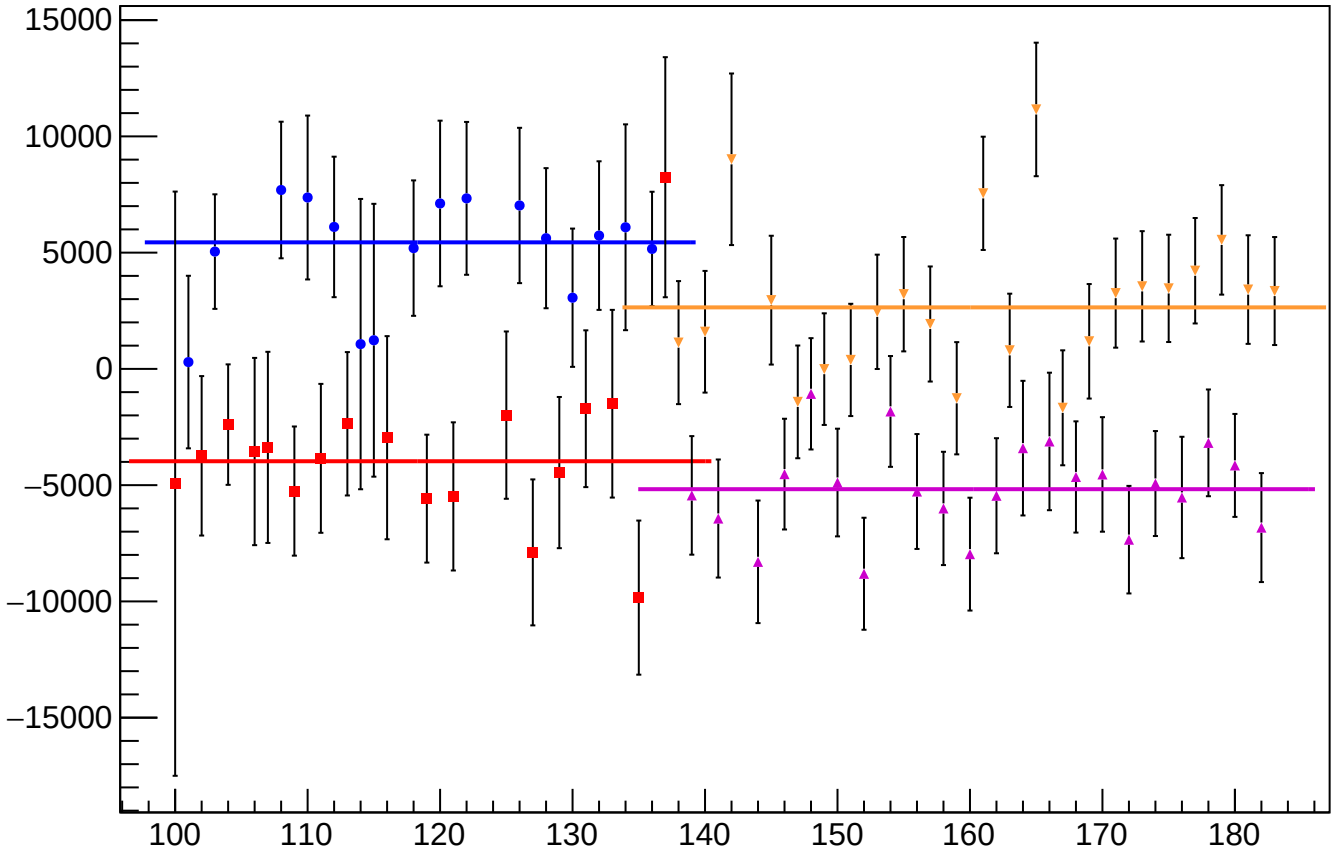
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10402.510+/-1.767 χ^2/NDF:1189476.0/21

+ sign 9724.548+/-1.396 χ^2/NDF: 1958302.8/38

All: 9622.326+/-0.980 χ^2/NDF: 4326911.3/78

- sign 9522.995+/-1.376 χ^2/NDF: 2358032.0/39



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2645.655+/-516.323 χ^2/NDF:30.5/22

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

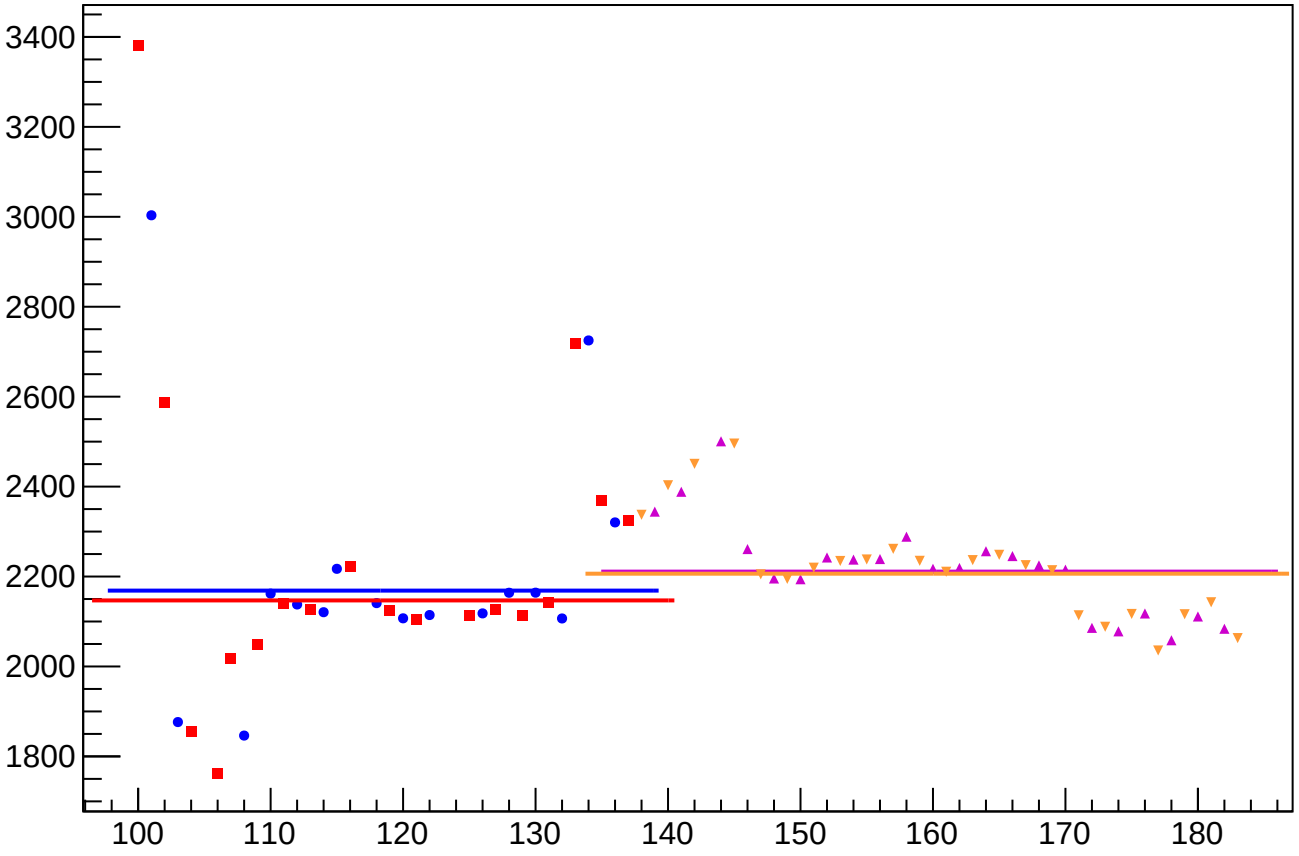
Left In: -5173.519+/-521.068 χ^2/NDF:13.7/21

+ sign 3450.148+/-435.783 χ^2/NDF: 44.3/38

All: -663.819+/-308.950 χ^2/NDF: 251.8/78

- sign -4821.078+/-438.069 χ^2/NDF: 28.3/39

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2206.319+/-0.365 χ^2/NDF:84080.0/22

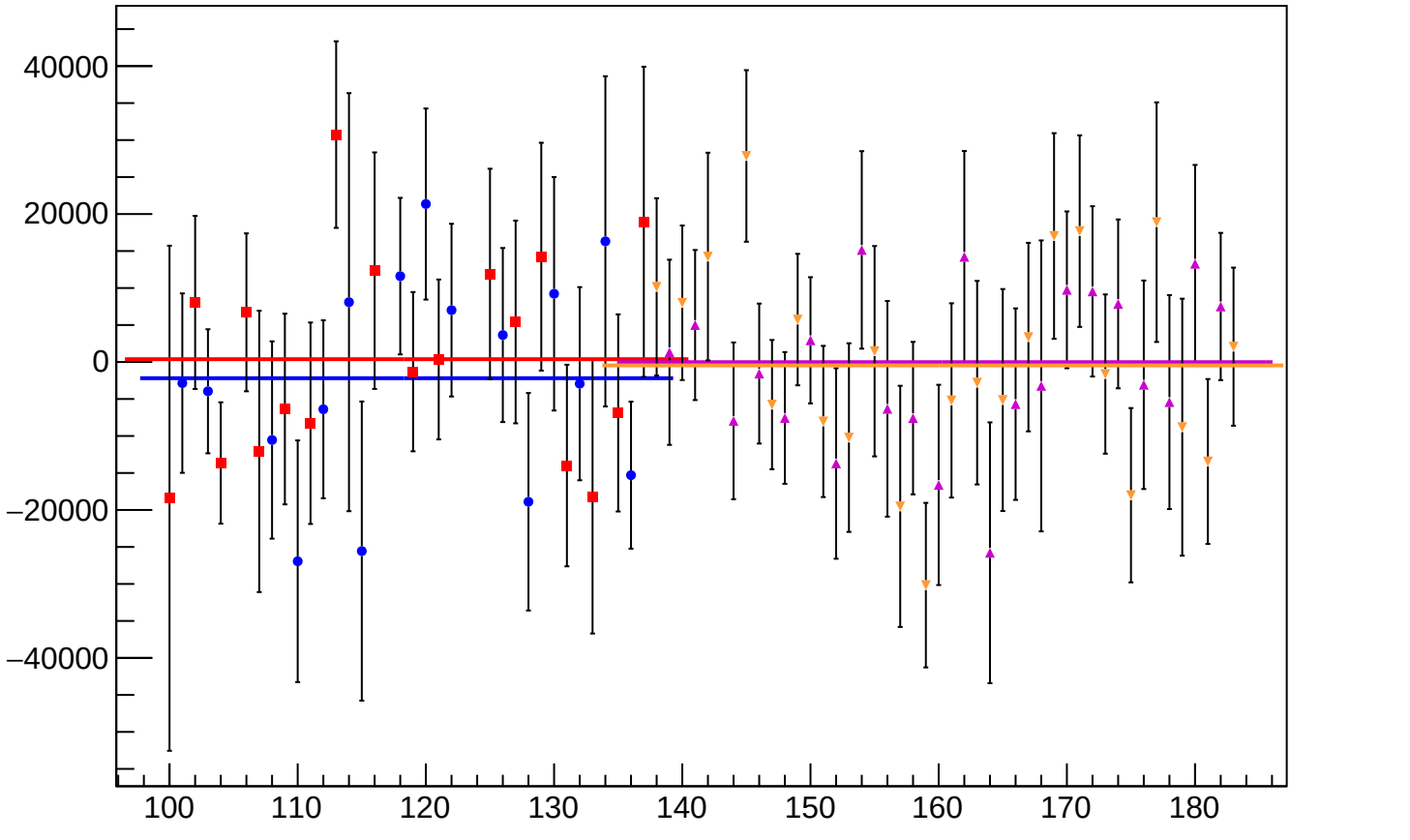
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2210.943+/-0.368 χ^2/NDF:78374.5/21

+ sign 2195.502+/-0.308 χ^2/NDF: 282791.3/38

All: 2193.772+/-0.218 χ^2/NDF: 527903.8/78

- sign 2192.029+/-0.309 χ^2/NDF: 245049.2/39



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -459.567+/-2503.677 χ^2/NDF:28.2/22

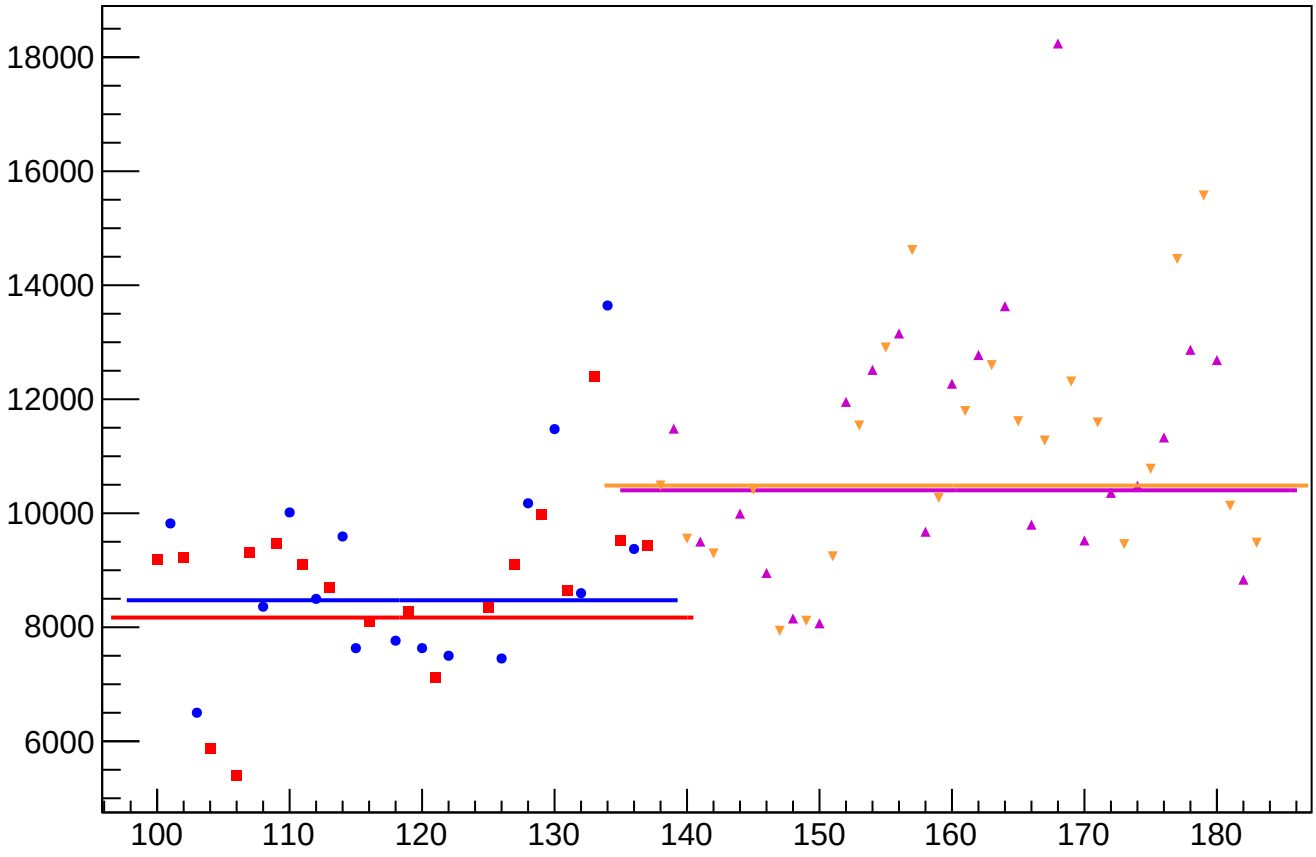
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -24.246+/-2499.385 χ^2/NDF:13.4/21

+ sign -1114.181+/-1973.848 χ^2/NDF: 42.8/38

All: -480.776+/-1385.674 χ^2/NDF: 72.8/78

- sign 134.711+/-1945.731 χ^2/NDF: 29.8/39



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10486.163+/-1.770 χ^2/NDF:1039734.1/22

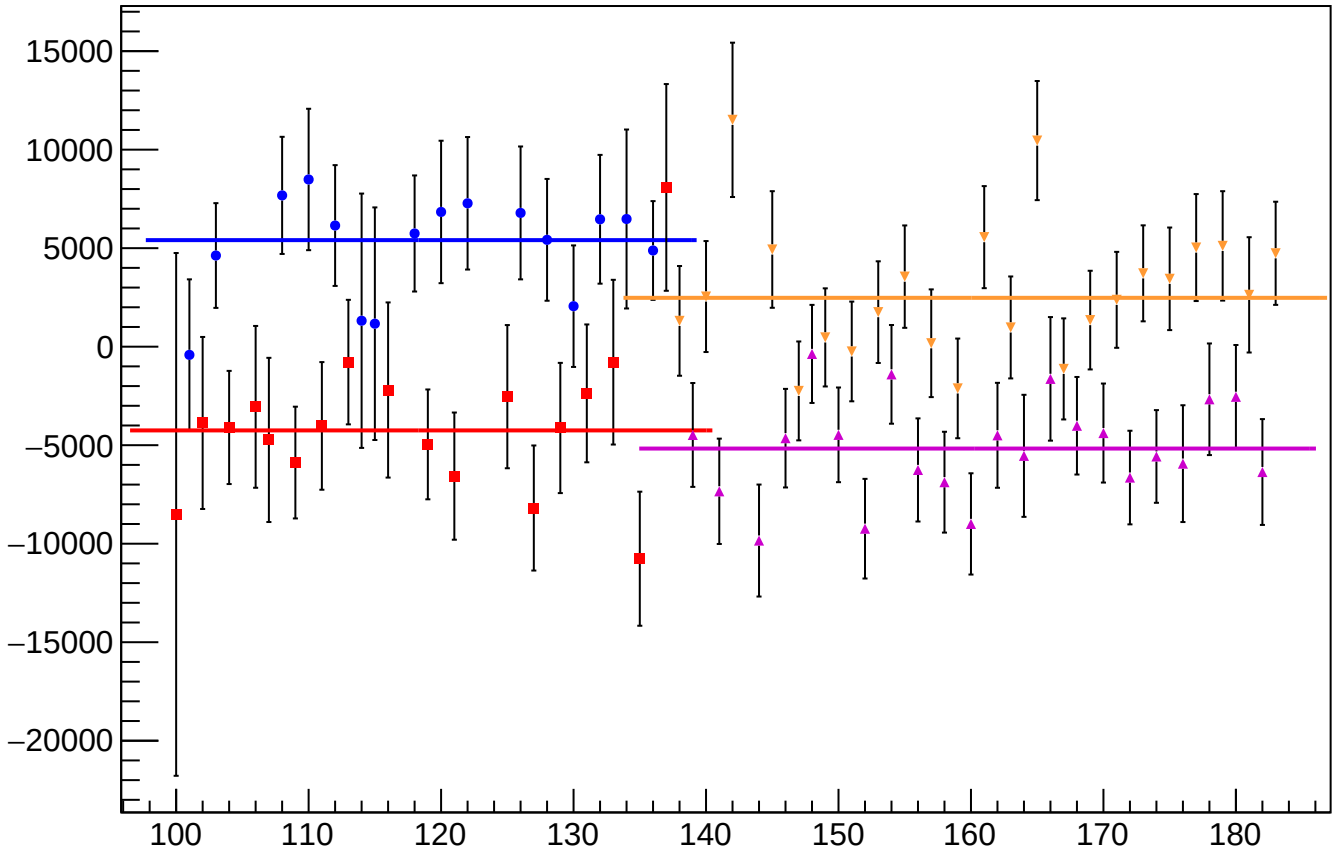
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10402.510+/-1.767 χ^2/NDF:1189476.0/21

+ sign 9724.548+/-1.396 χ^2/NDF: 1958302.8/38

All: 9622.326+/-0.980 χ^2/NDF: 4326911.3/78

- sign 9522.995+/-1.376 χ^2/NDF: 2358032.0/39



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2479.463+/-556.316 χ^2/NDF:29.6/22

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

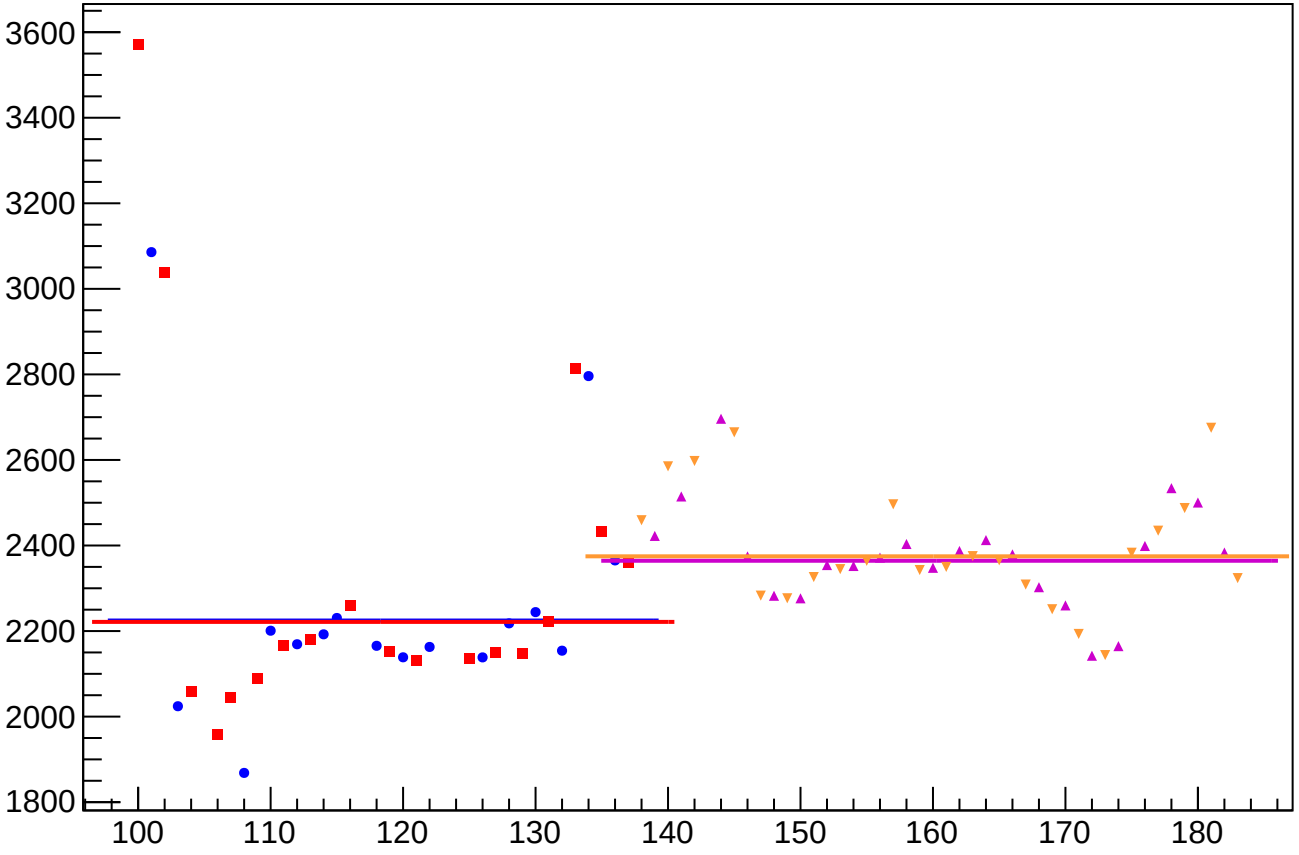
Left In: -5170.882+/-557.629 χ^2/NDF:19.1/21

+ sign 3381.685+/-462.748 χ^2/NDF: 44.9/38

All: -738.256+/-327.818 χ^2/NDF: 238.4/78

- sign -4888.855+/-464.467 χ^2/NDF: 34.4/39

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2374.718+/-0.393 χ^2/NDF:111384.7/22

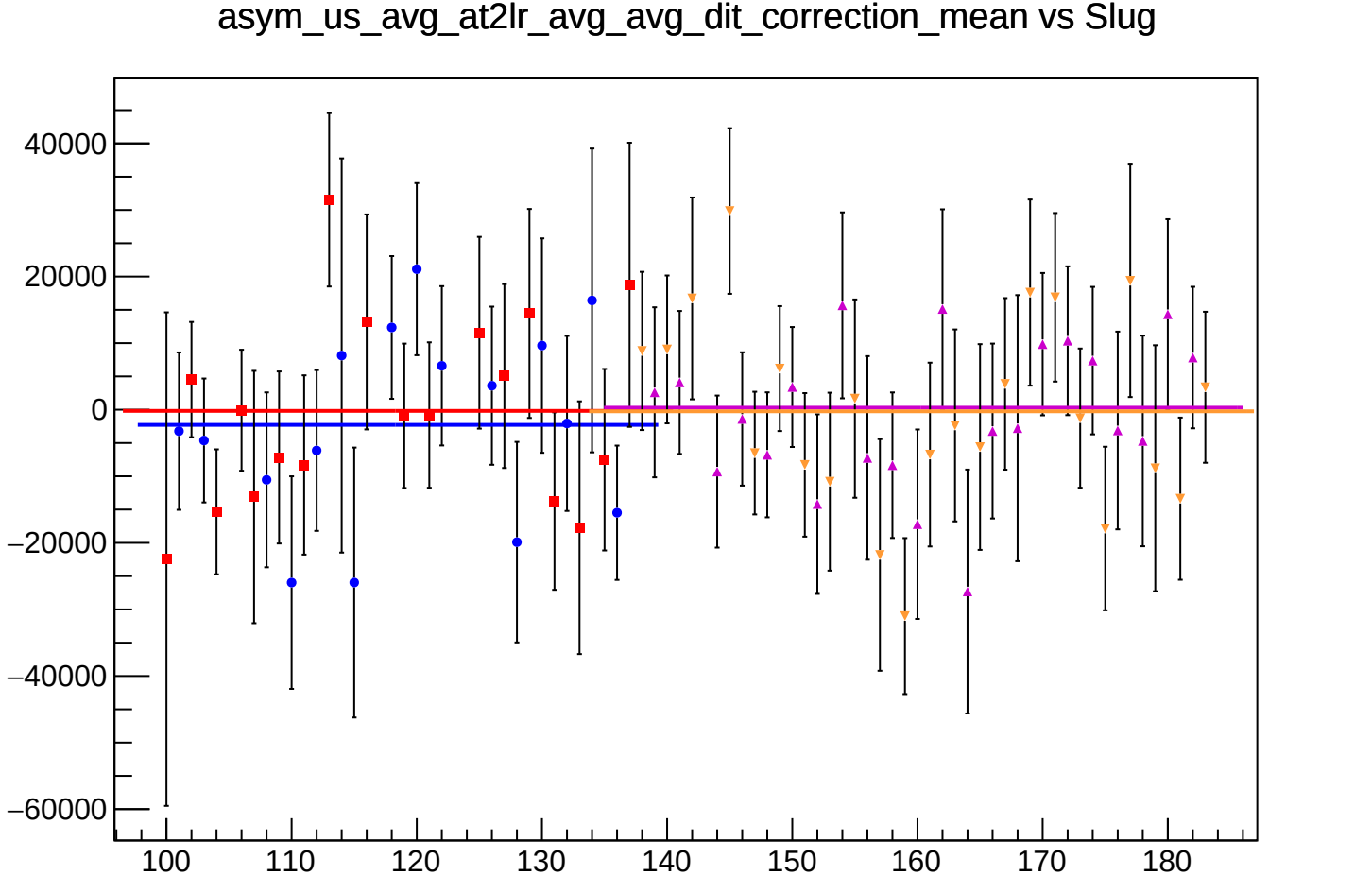
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2364.363+/-0.394 χ^2/NDF:90254.2/21

+ sign 2328.472+/-0.327 χ^2/NDF: 340924.3/38

All: 2324.527+/-0.232 χ^2/NDF: 641690.3/78

- sign 2320.555+/-0.328 χ^2/NDF: 300474.3/39



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -239.316+/-2611.902 χ^2/NDF:27.7/22

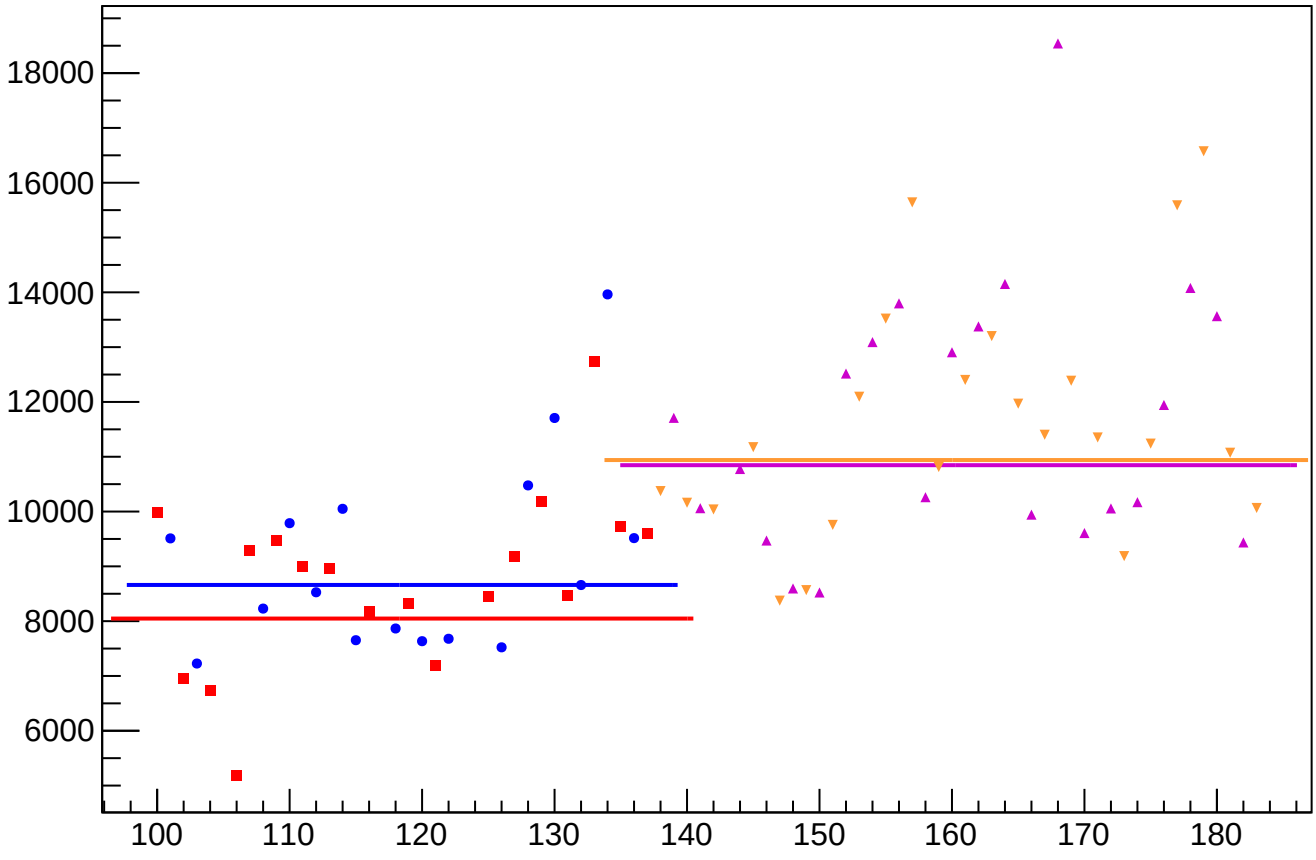
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 301.275+/-2605.916 χ^2/NDF:13.3/21

\+ sign -1033.032+/-2041.225 χ^2/NDF: 42.4/38

All: -449.335+/-1420.191 χ^2/NDF: 71.5/78

\- sign 98.326+/-1977.212 χ^2/NDF: 29.0/39



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10939.706+/-1.847 χ^2/NDF:1054445.2/22

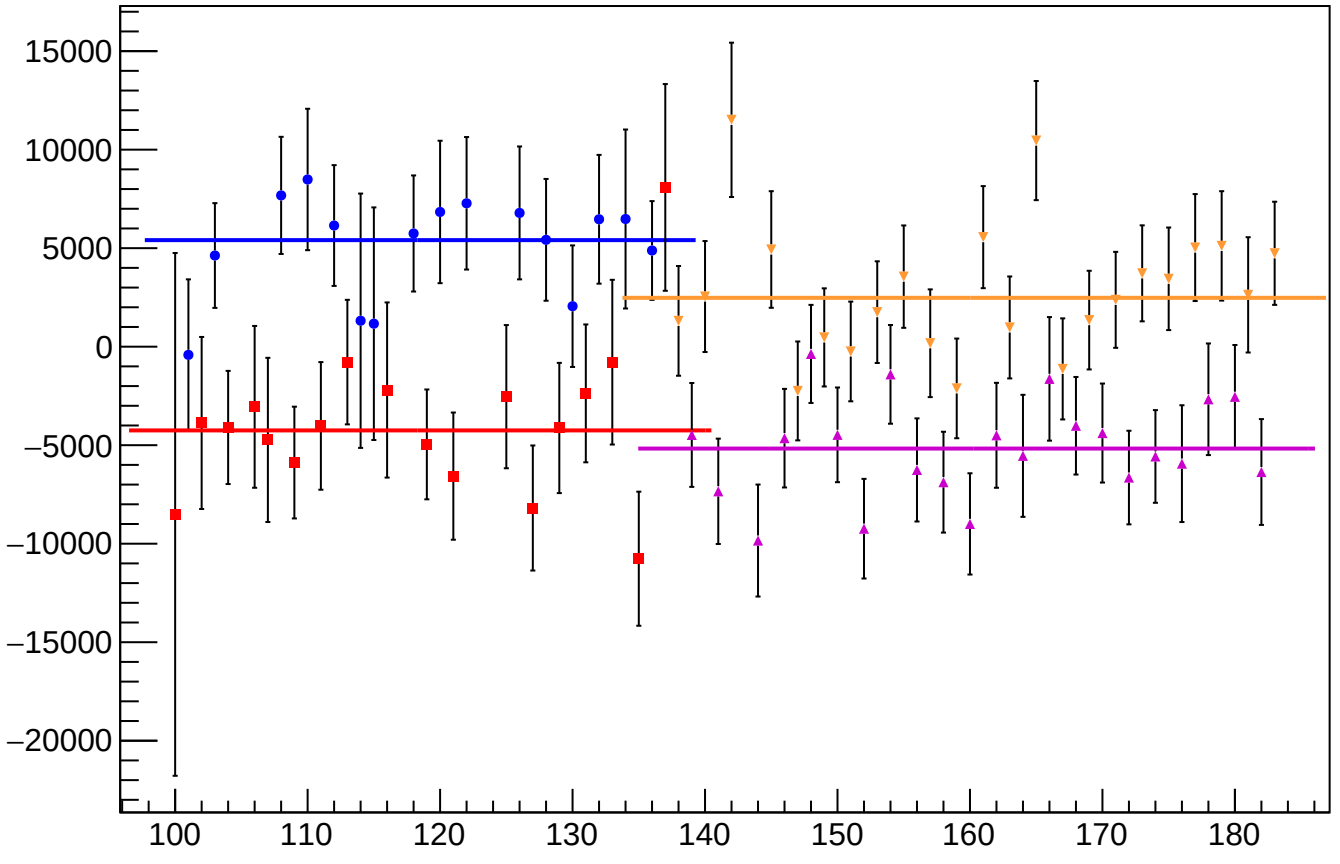
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10846.148+/-1.843 χ^2/NDF:1184860.3/21

+ sign 10052.630+/-1.443 χ^2/NDF: 2005081.5/38

All: 9849.353+/-1.004 χ^2/NDF: 4765772.3/78

- sign 9658.625+/-1.398 χ^2/NDF: 2722245.9/39



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2479.452+/-556.316 χ^2/NDF:29.6/22

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

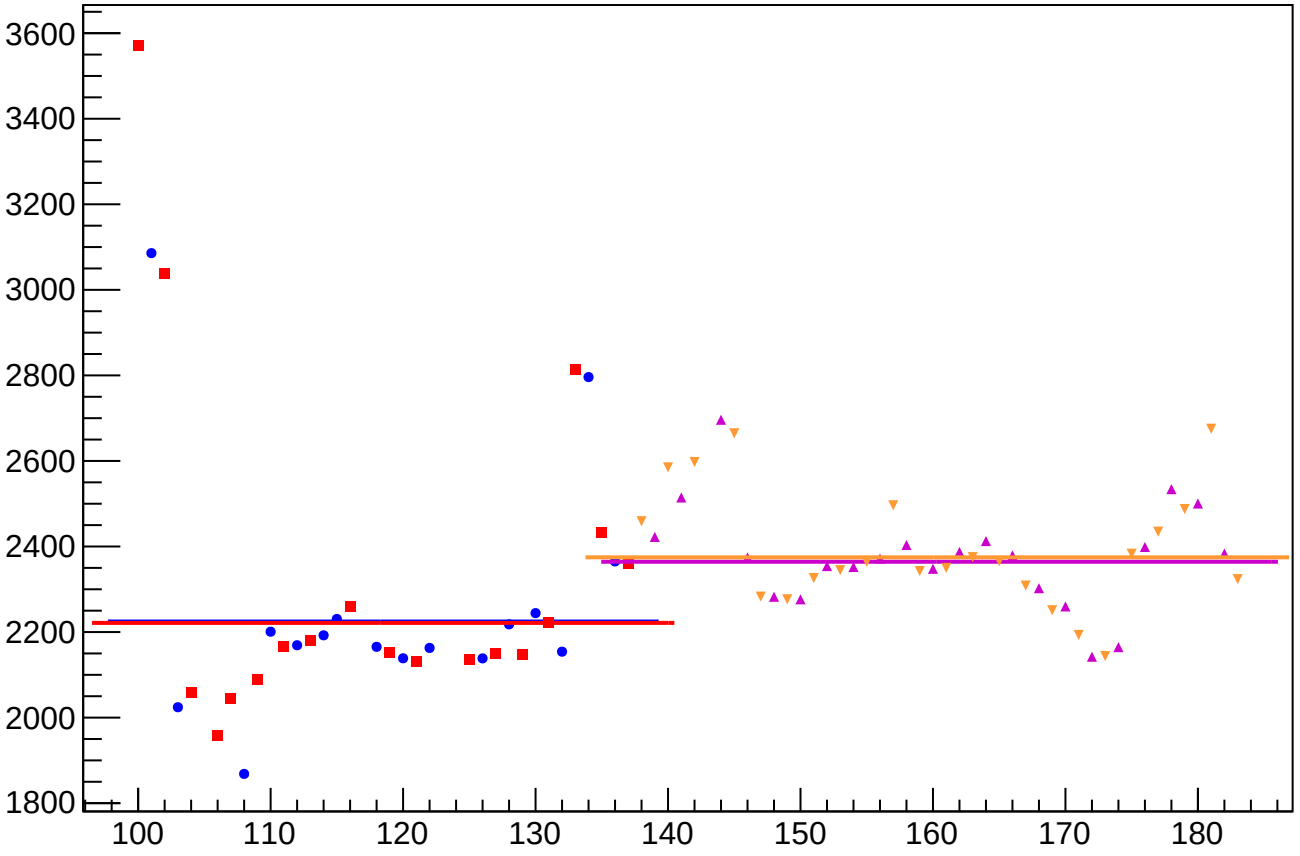
Left In: -5170.886+/-557.629 χ^2/NDF:19.1/21

+ sign 3381.679+/-462.749 χ^2/NDF: 44.9/38

All: -738.260+/-327.819 χ^2/NDF: 238.4/78

- sign -4888.858+/-464.467 χ^2/NDF: 34.4/39

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2374.722+/-0.393 χ^2/NDF:111389.2/22

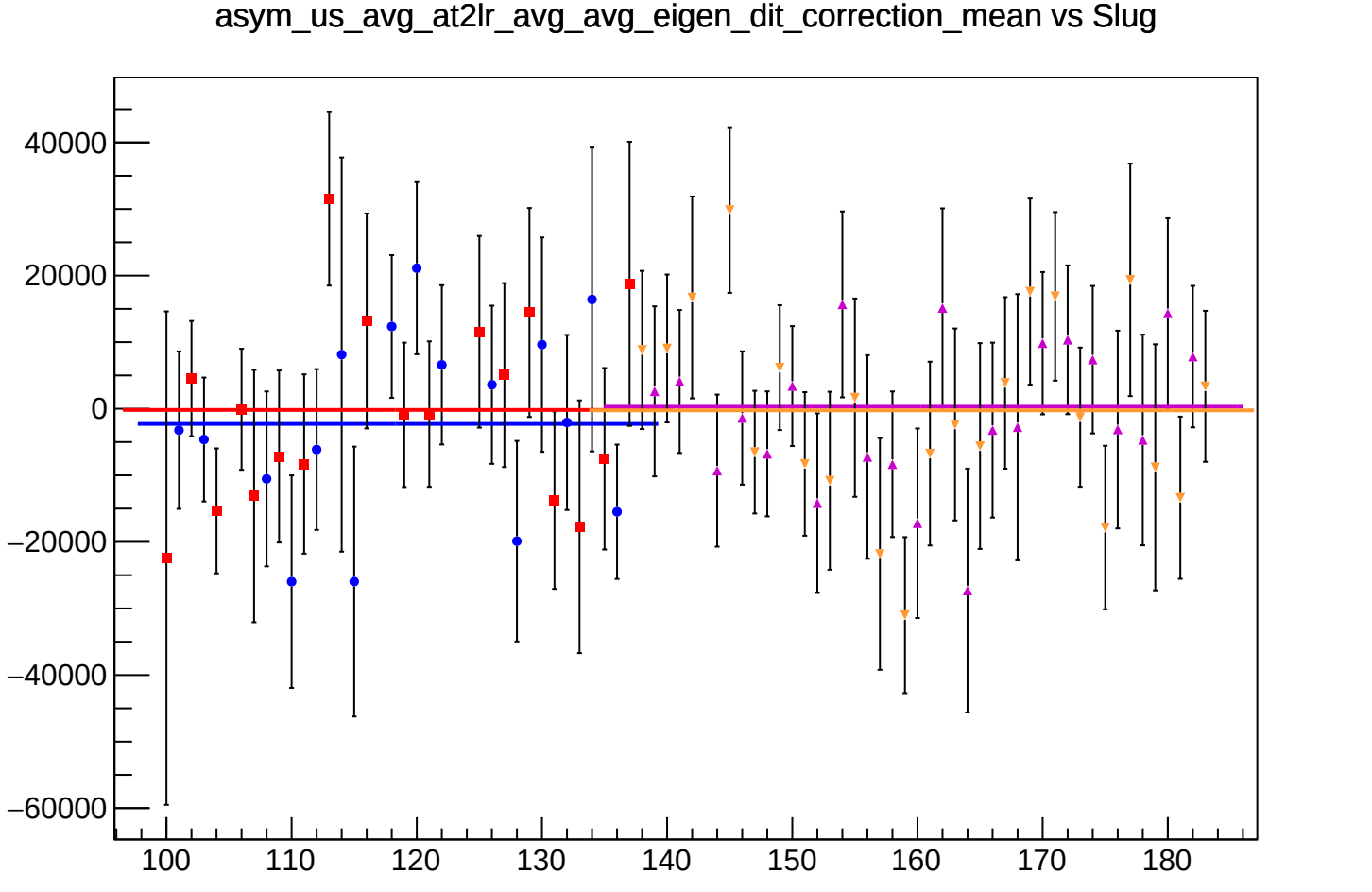
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2364.366+/-0.394 χ^2/NDF:90258.8/21

+ sign 2328.474+/-0.327 χ^2/NDF: 340931.4/38

All: 2324.529+/-0.232 χ^2/NDF: 641704.2/78

- sign 2320.557+/-0.328 χ^2/NDF: 300481.1/39



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -239.323+/-2611.906 χ^2/NDF:27.7/22

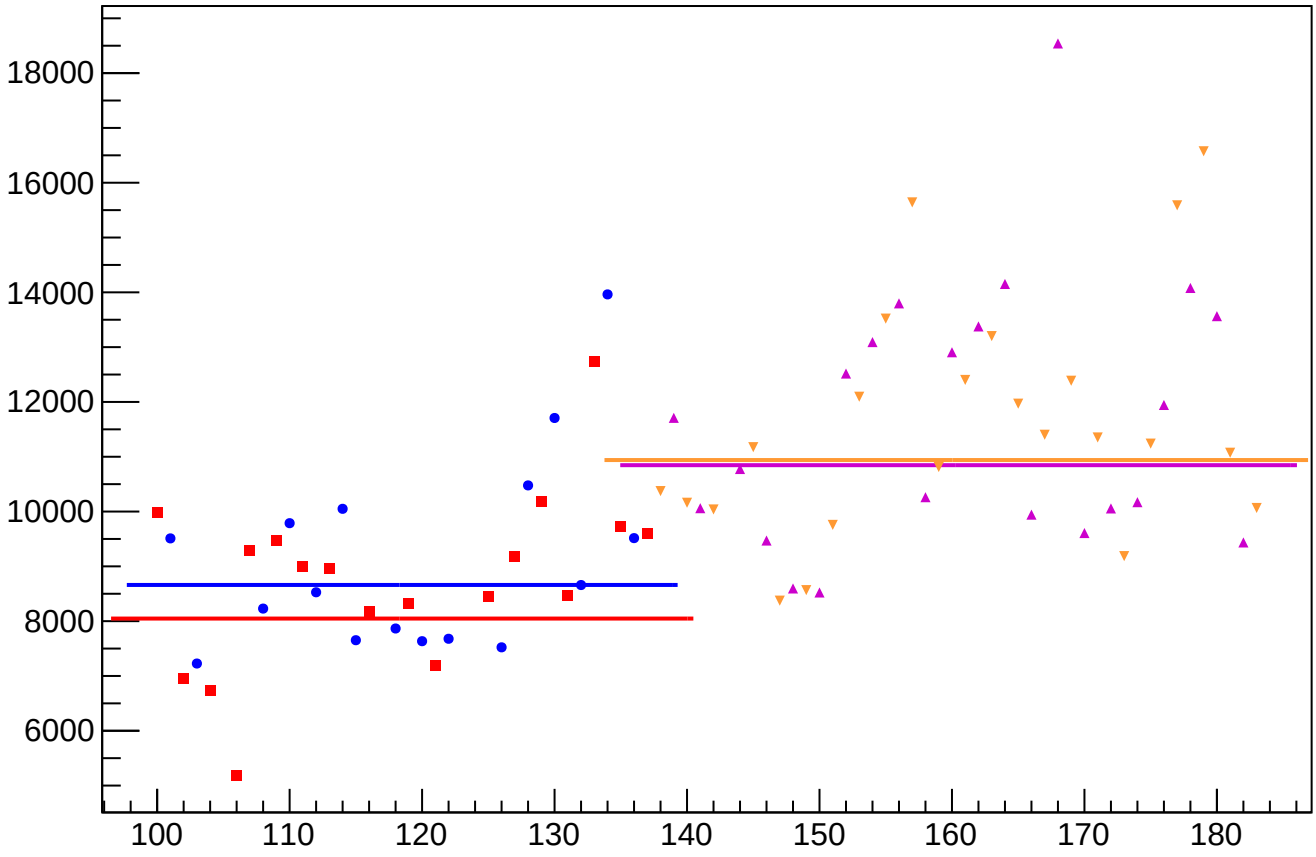
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 301.277+/-2605.920 χ^2/NDF:13.3/21

+ sign -1033.032+/-2041.225 χ^2/NDF: 42.4/38

All: -449.336+/-1420.191 χ^2/NDF: 71.5/78

- sign 98.324+/-1977.212 χ^2/NDF: 29.0/39



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10939.723+/-1.847 χ^2/NDF:1054447.7/22

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

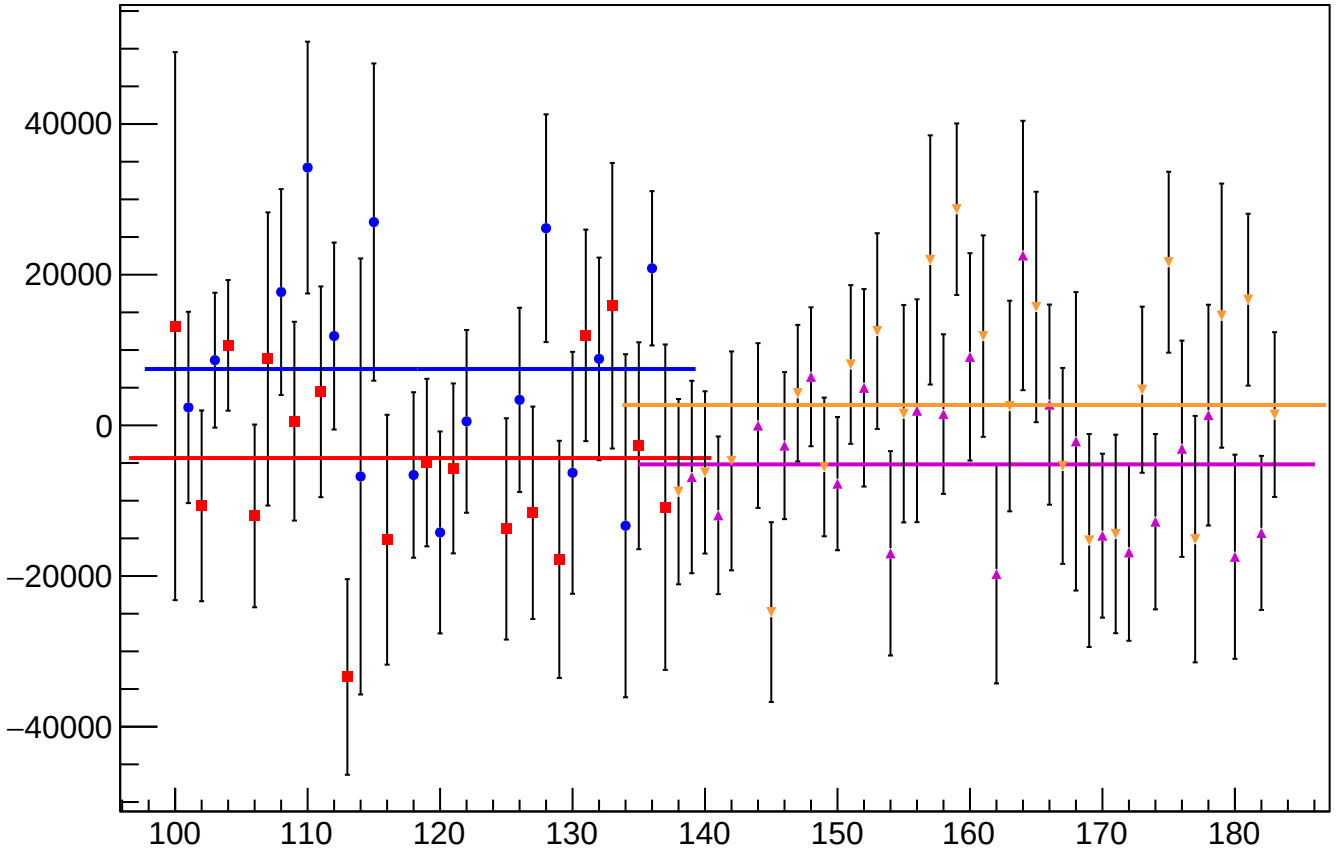
Left In: 10846.164+/-1.843 χ^2/NDF:1184864.0/21

+ sign 10052.628+/-1.443 χ^2/NDF: 2005107.4/38

All: 9849.350+/-1.004 χ^2/NDF: 4765825.7/78

- sign 9658.622+/-1.398 χ^2/NDF: 2722273.3/39

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2699.004+/-2565.707 χ^2/NDF:25.9/22

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

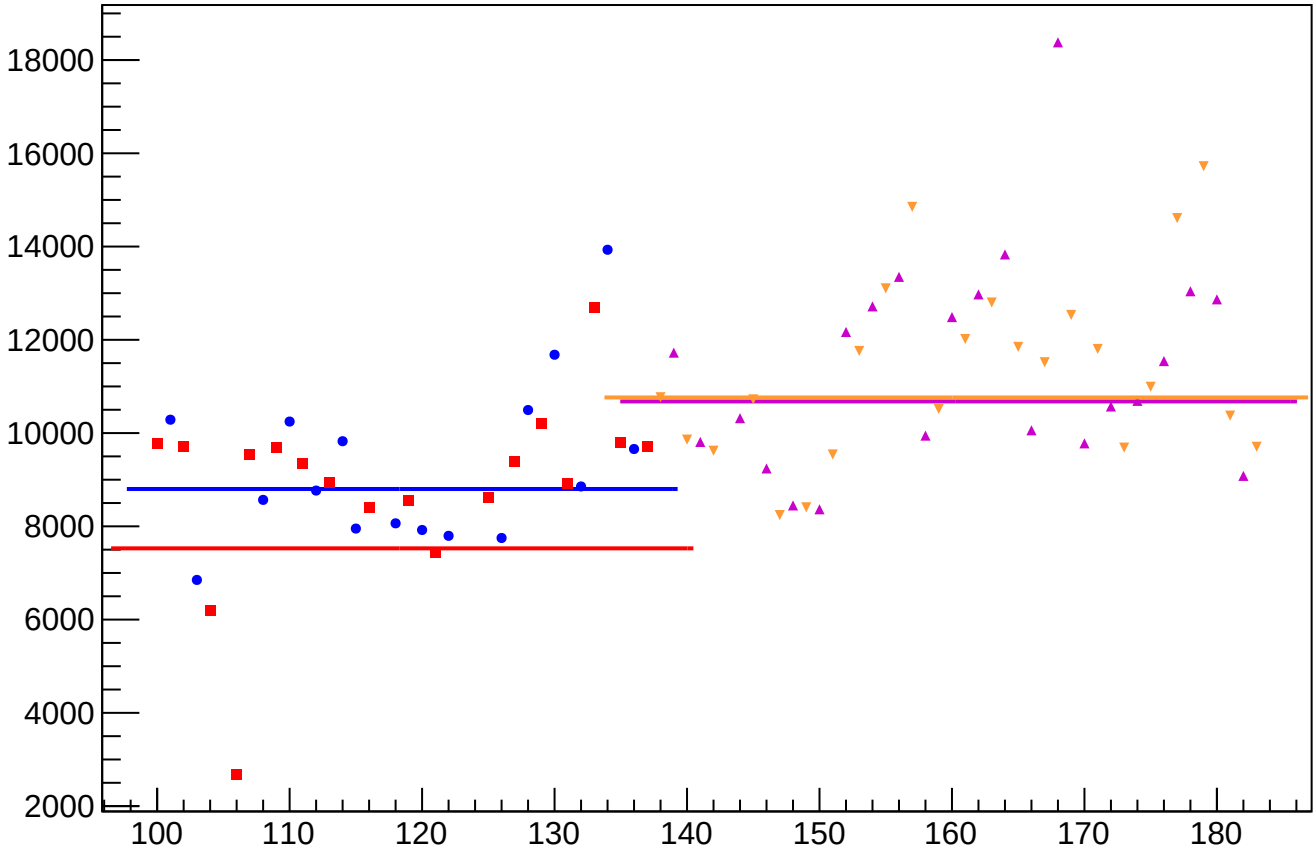
Left In: -5177.236+/-2561.781 χ^2/NDF:13.3/21

+ sign 4480.004+/-2032.619 χ^2/NDF: 41.3/38

All: -239.270+/-1429.268 χ^2/NDF: 79.5/78

- sign -4854.785+/-2010.150 χ^2/NDF: 27.6/39

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10763.981+/-1.814 χ^2/NDF:958659.3/22

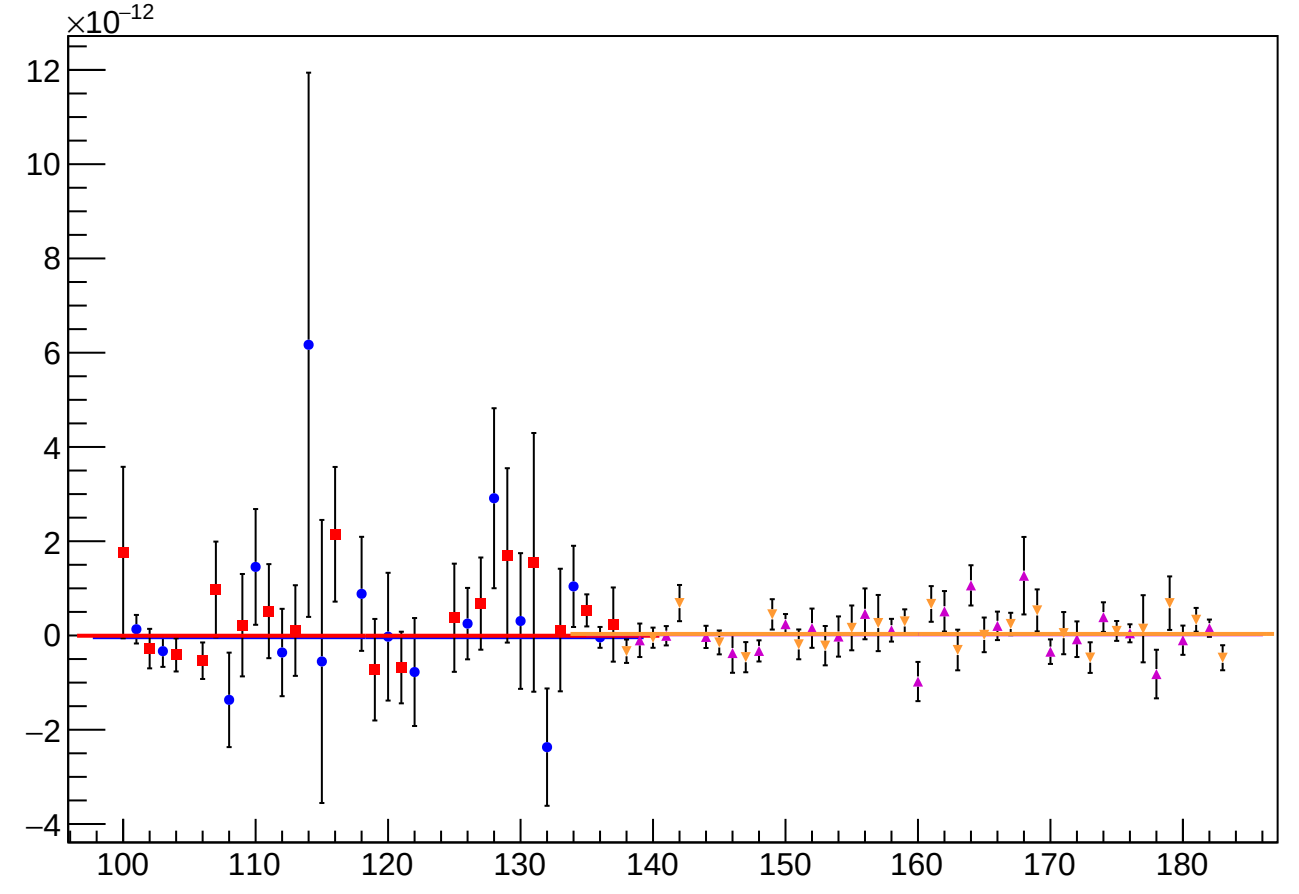
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10678.843+/-1.811 χ^2/NDF:1099777.9/21

+ sign 10033.026+/-1.437 χ^2/NDF: 1789153.7/38

All: 9680.168+/-0.995 χ^2/NDF: 5933168.4/78

- sign 9355.128+/-1.379 χ^2/NDF: 4028220.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/22

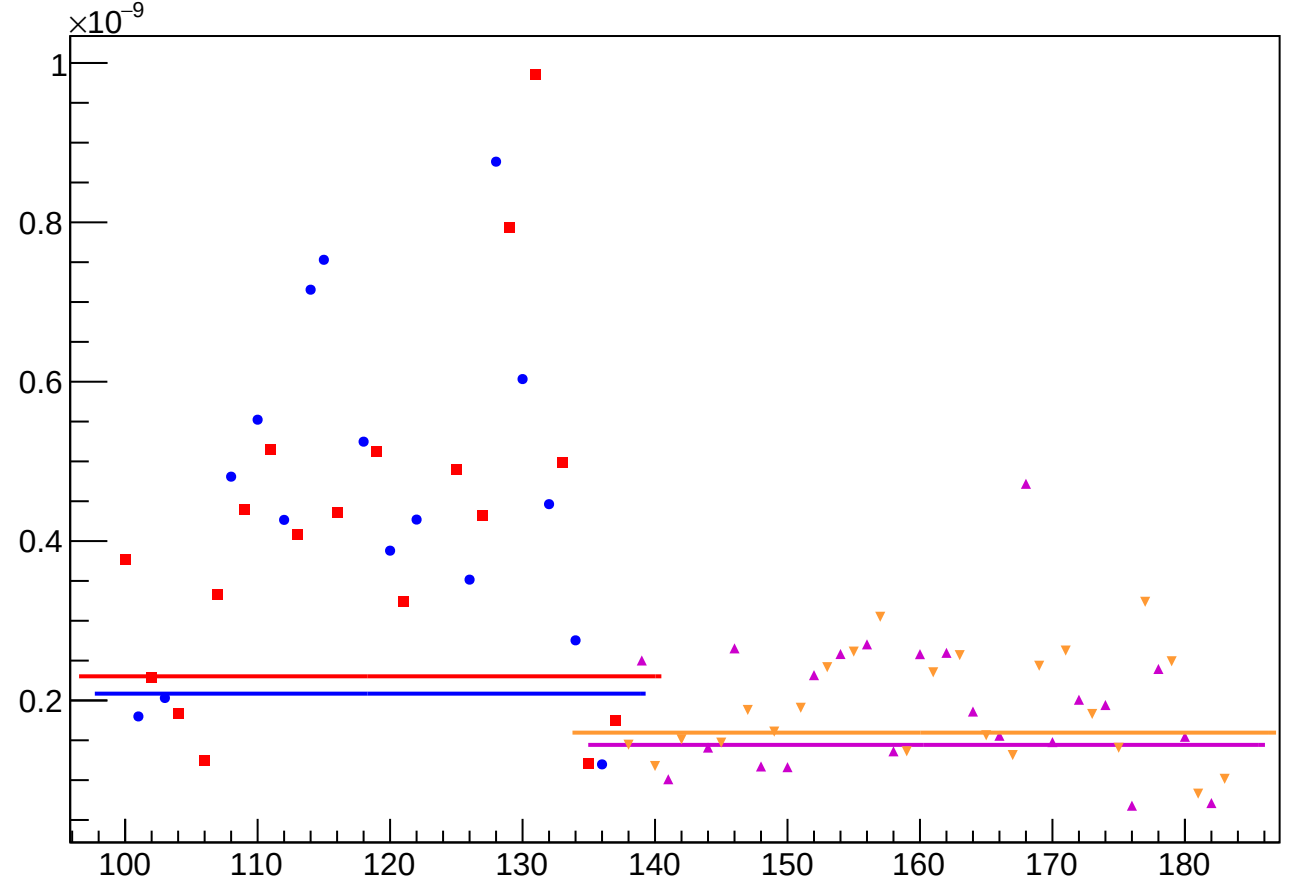
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:27.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 40.7/38

All: 0.000+/-0.000 χ^2/NDF: 82.4/78

- sign 0.000+/-0.000 χ^2/NDF: 41.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1278536.2/22

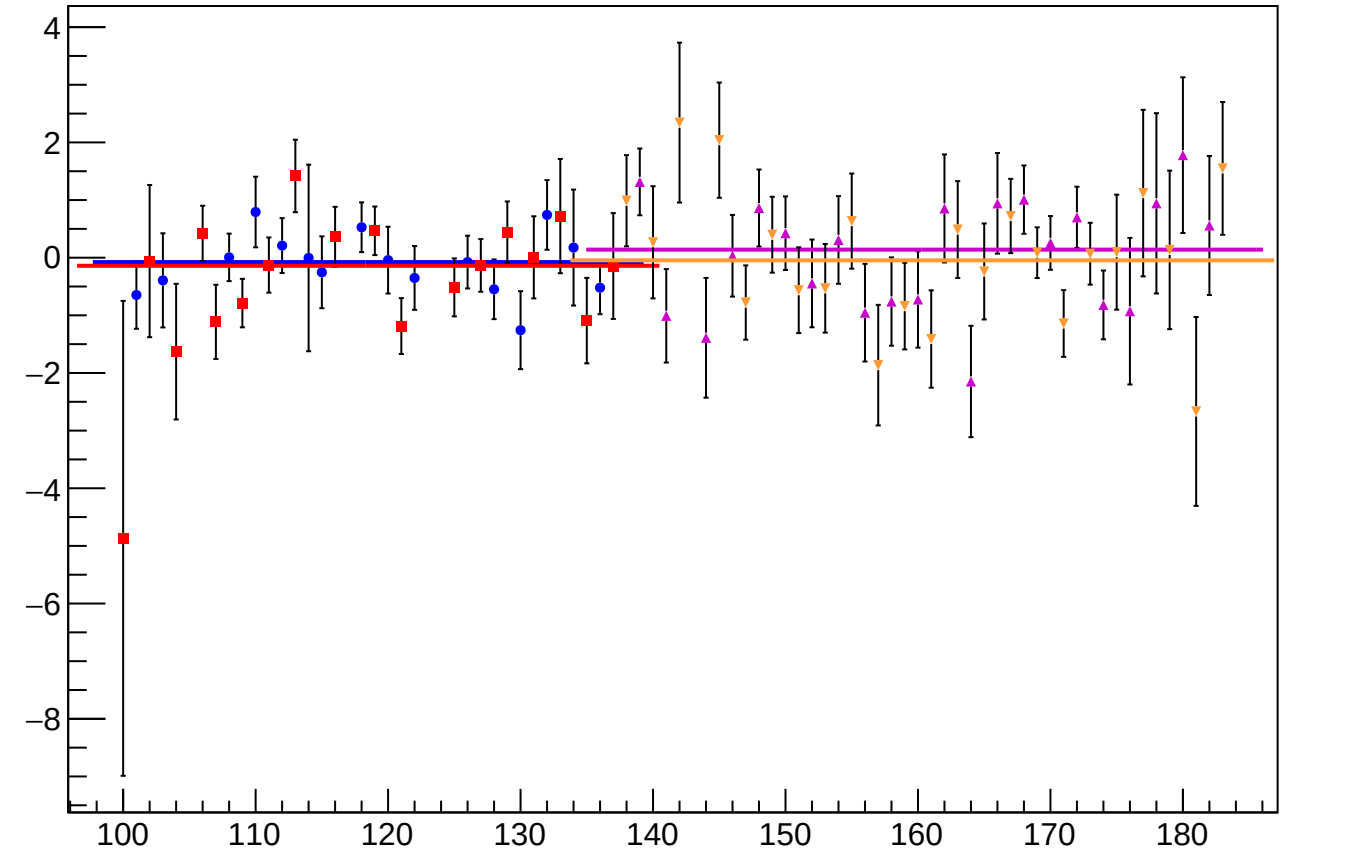
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2276134.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 3107101.4/38

All: 0.000+/-0.000 χ^2/NDF: 7512220.6/78

- sign 0.000+/-0.000 χ^2/NDF: 4360500.9/39



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.046+/-0.162 χ^2/NDF:30.0/22

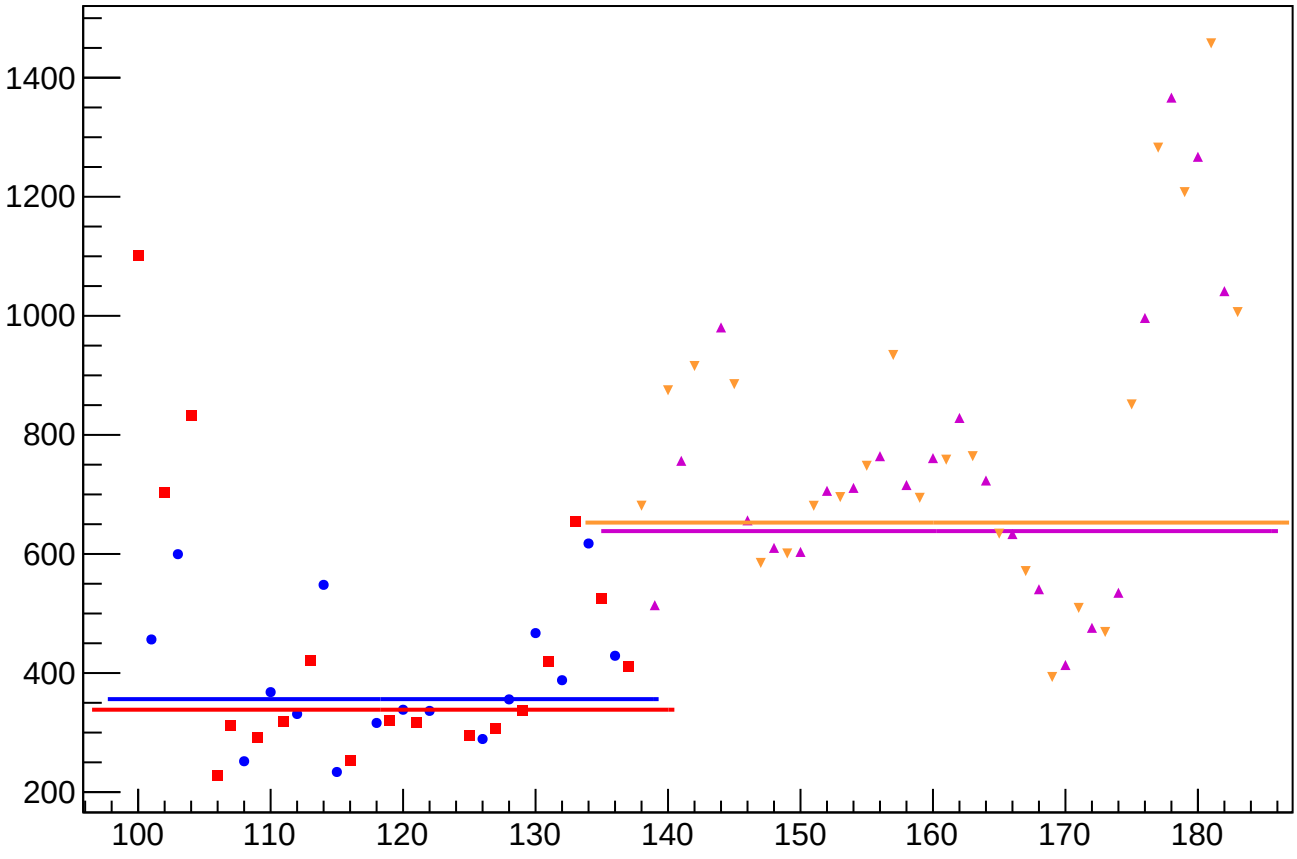
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.140+/-0.159 χ^2/NDF:29.9/21

+ sign -0.063+/-0.106 χ^2/NDF: 42.5/38

All: -0.041+/-0.074 χ^2/NDF: 101.3/78

- sign -0.020+/-0.104 χ^2/NDF: 58.7/39



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 652.736+/-0.115 χ^2/NDF:3115332.4/22

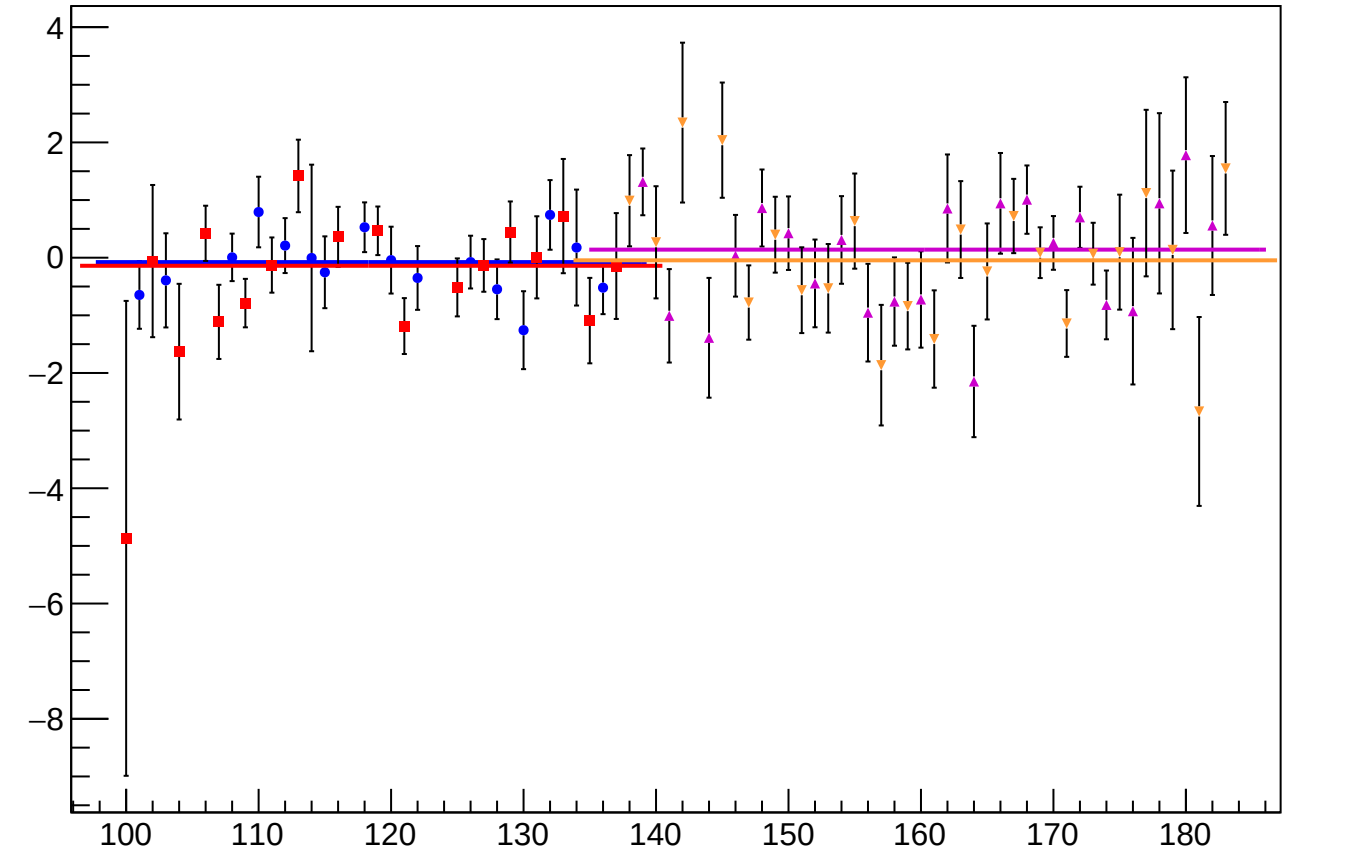
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 638.410+/-0.112 χ^2/NDF:2618835.1/21

+ sign 482.612+/-0.075 χ^2/NDF: 7731381.9/38

All: 474.942+/-0.053 χ^2/NDF: 15643988.7/78

- sign 467.535+/-0.074 χ^2/NDF: 7892009.4/39



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.046+/-0.162 χ^2/NDF:30.0/22

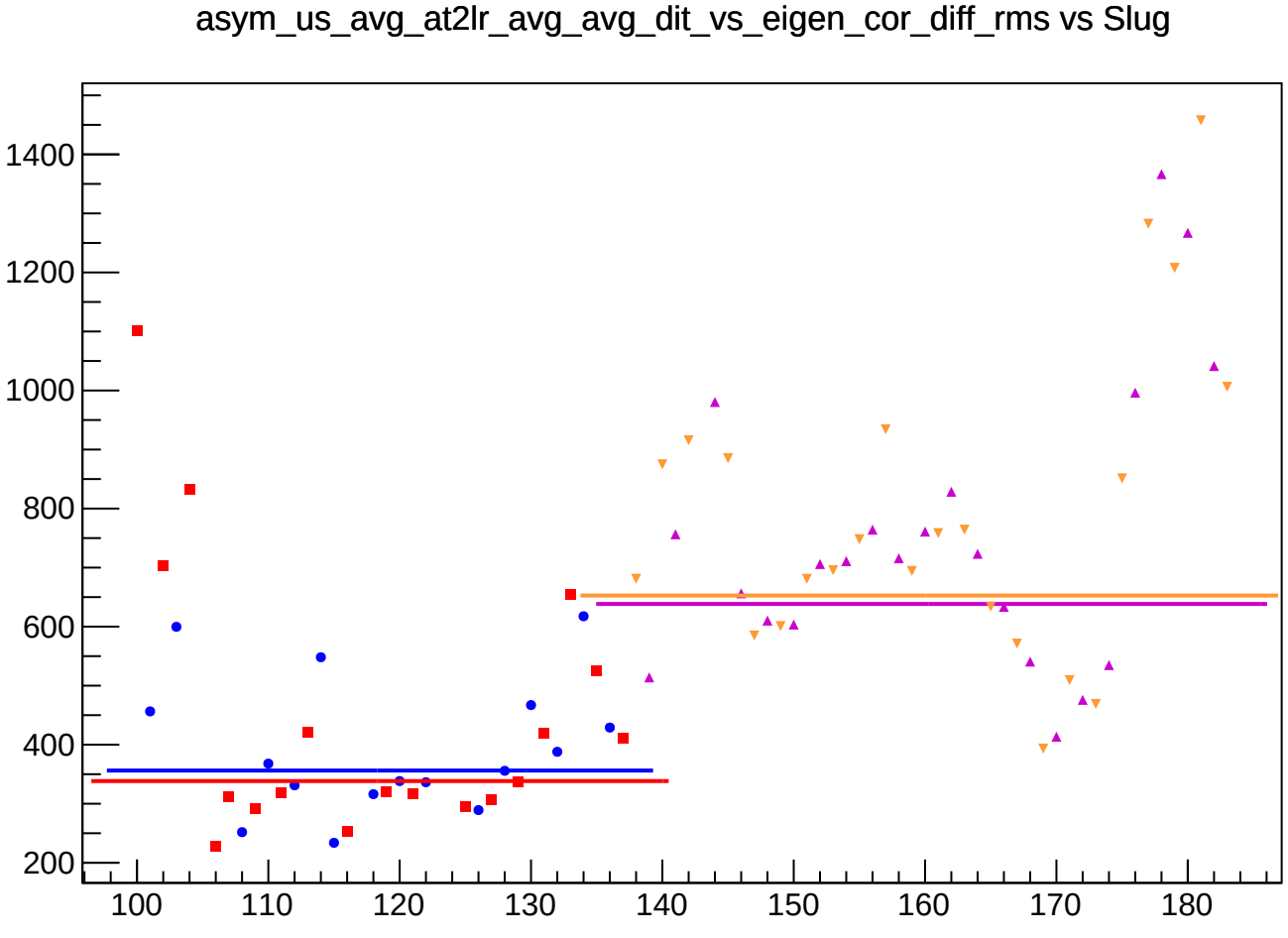
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

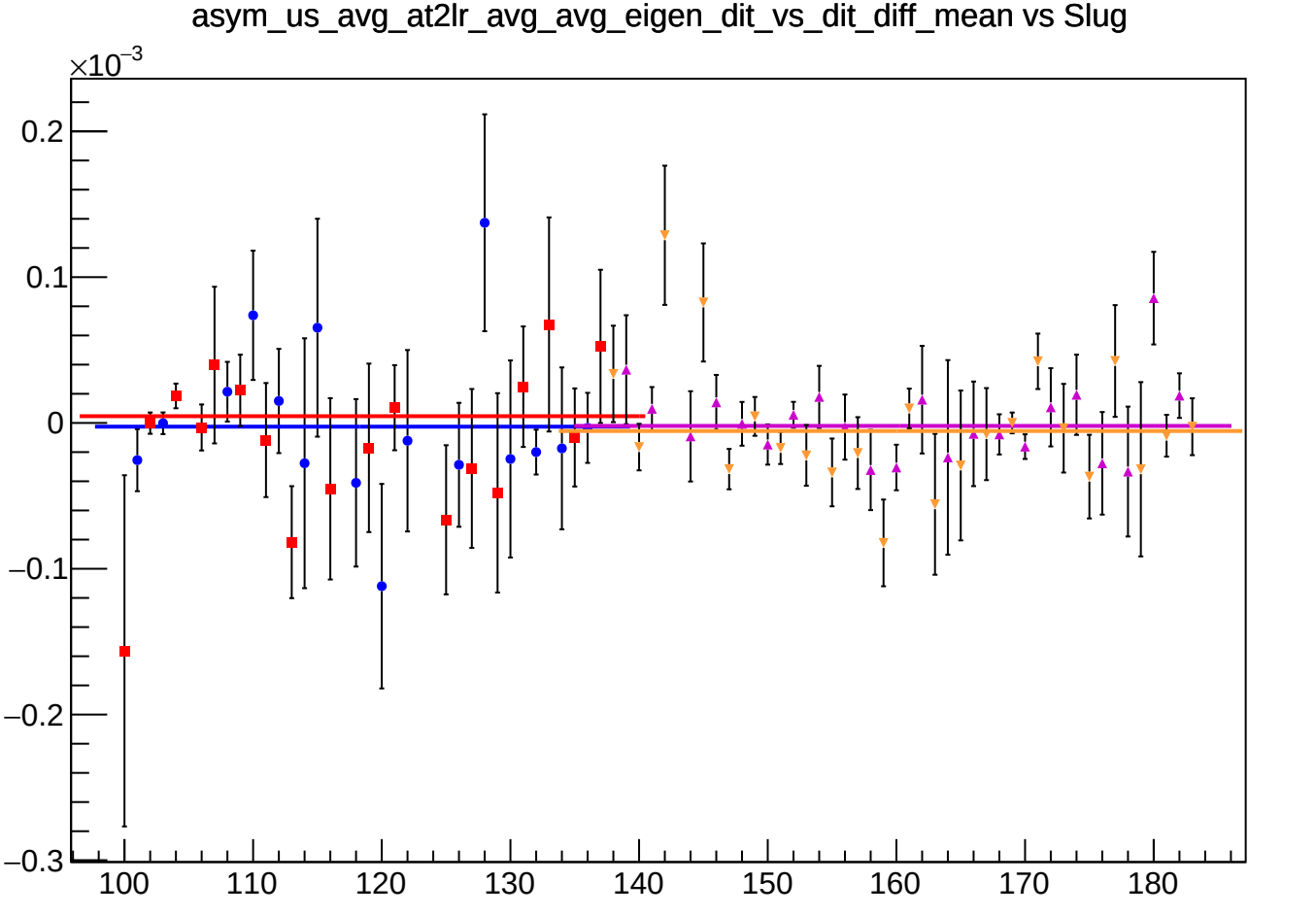
Left In: 0.140+/-0.159 χ^2/NDF:29.9/21

+ sign -0.063+/-0.106 χ^2/NDF: 42.5/38

All: -0.041+/-0.074 χ^2/NDF: 101.3/78

- sign -0.020+/-0.104 χ^2/NDF: 58.7/39


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 652.736+/-0.115 χ²/NDF:3115332.4/22
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 638.410+/-0.112 χ²/NDF:2618835.1/21
+ sign 482.612+/-0.075 χ²/NDF: 7731381.9/38
All: 474.942+/-0.053 χ²/NDF: 15643988.7/78
- sign 467.535+/-0.074 χ²/NDF: 7892009.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.5/22

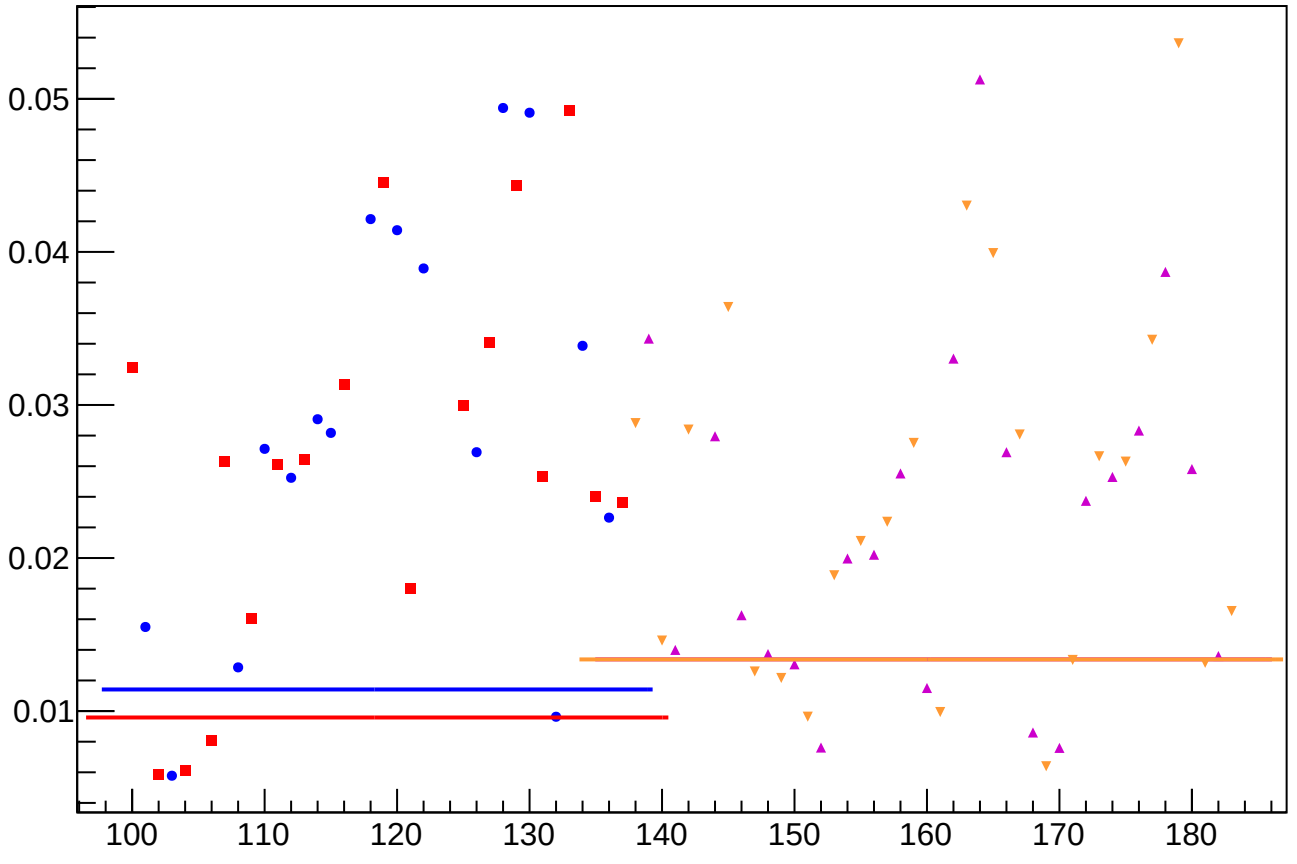
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:24.2/21

+ sign -0.000+/-0.000 χ^2/NDF: 56.7/38

All: -0.000+/-0.000 χ^2/NDF: 100.7/78

- sign 0.000+/-0.000 χ^2/NDF: 42.5/39



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:8731565.1/22

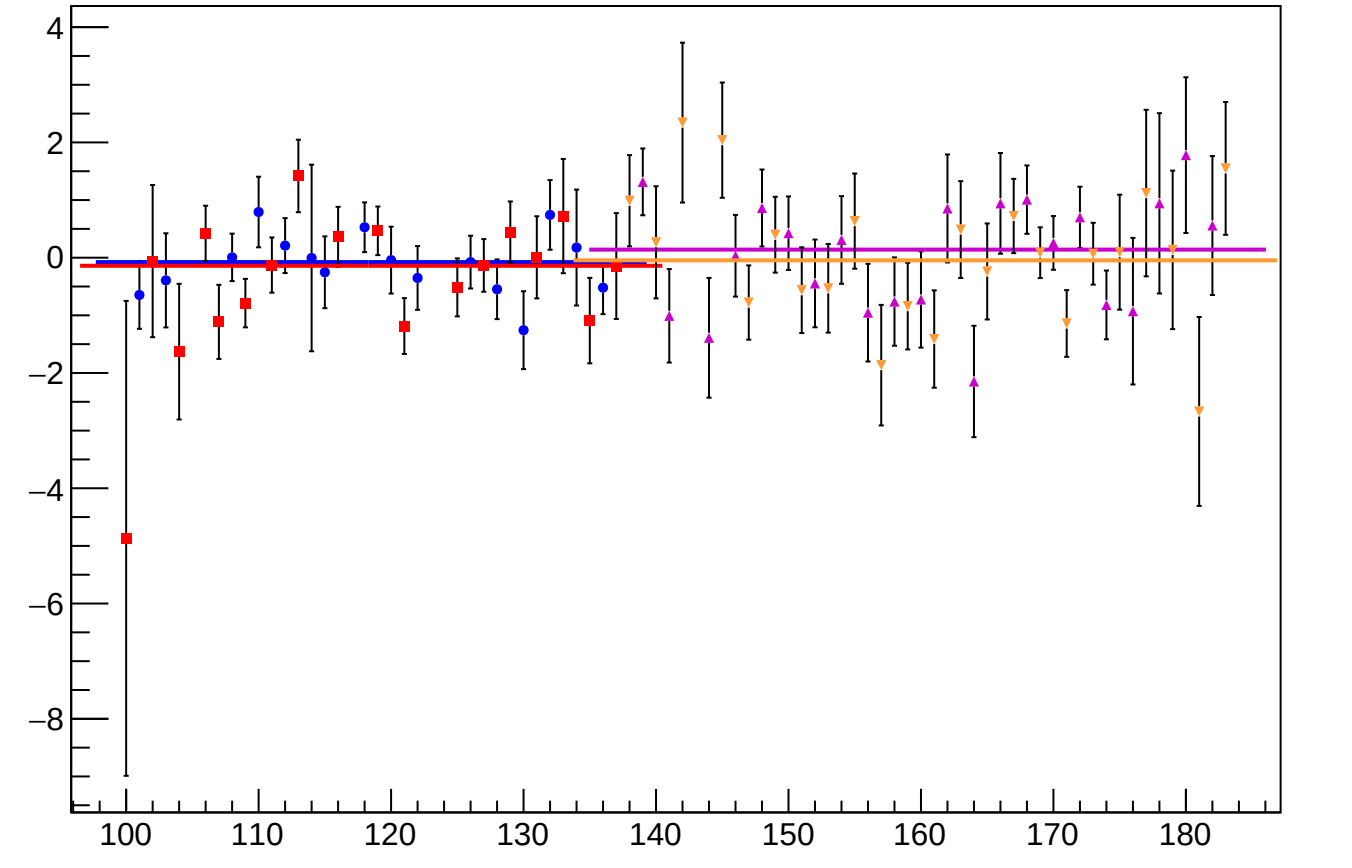
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:7427109.0/21

+ sign 0.013+/-0.000 χ^2/NDF: 14404338.5/38

All: 0.012+/-0.000 χ^2/NDF: 28493861.9/78

- sign 0.012+/-0.000 χ^2/NDF: 14009099.7/39



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.046+/-0.162 χ^2/NDF:30.0/22

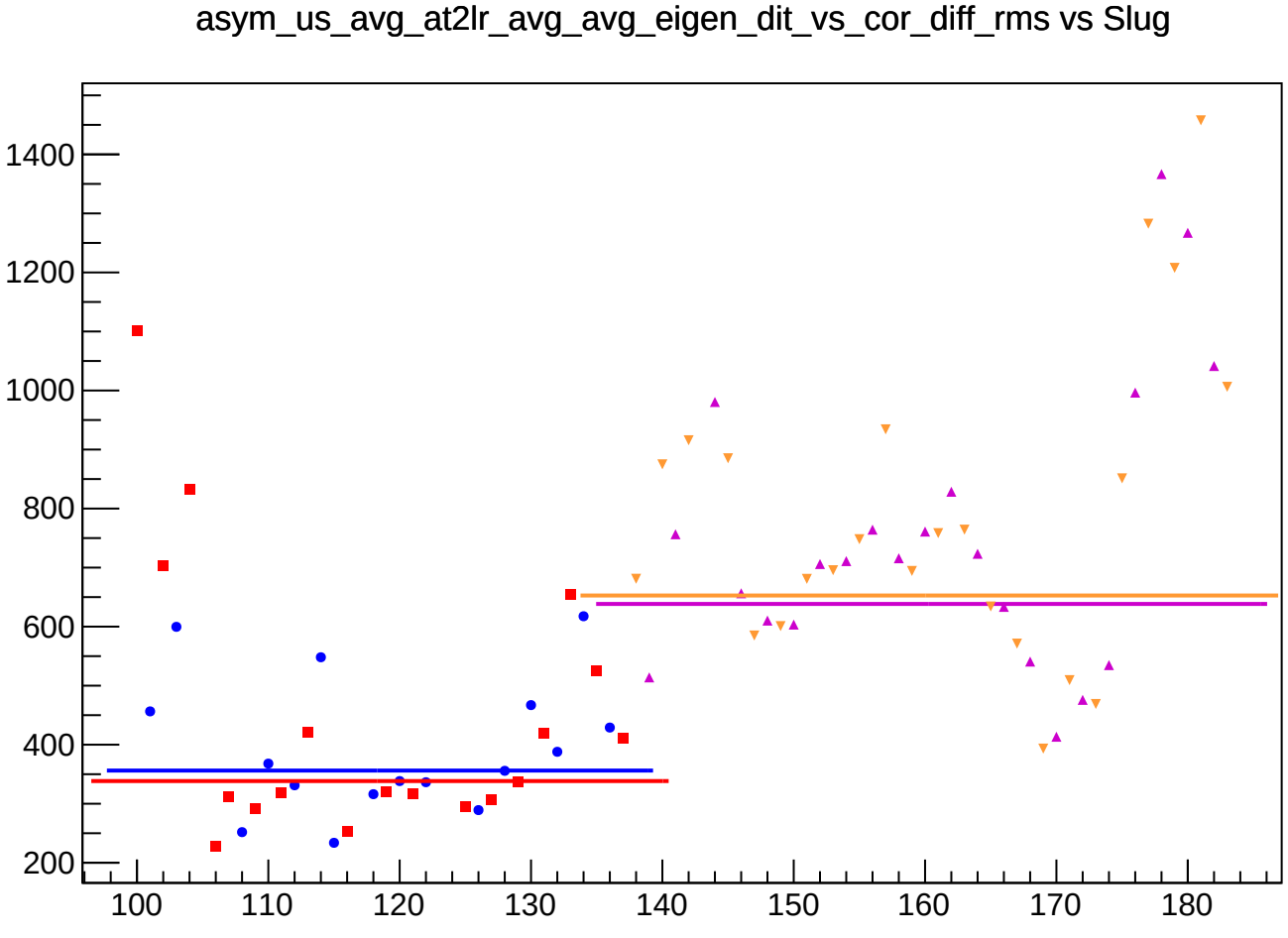
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.140+/-0.159 χ^2/NDF:29.9/21

+ sign -0.063+/-0.106 χ^2/NDF: 42.5/38

All: -0.041+/-0.074 χ^2/NDF: 101.3/78

- sign -0.020+/-0.104 χ^2/NDF: 58.7/39



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 652.736+/-0.115 χ^2/NDF:3115549.6/22

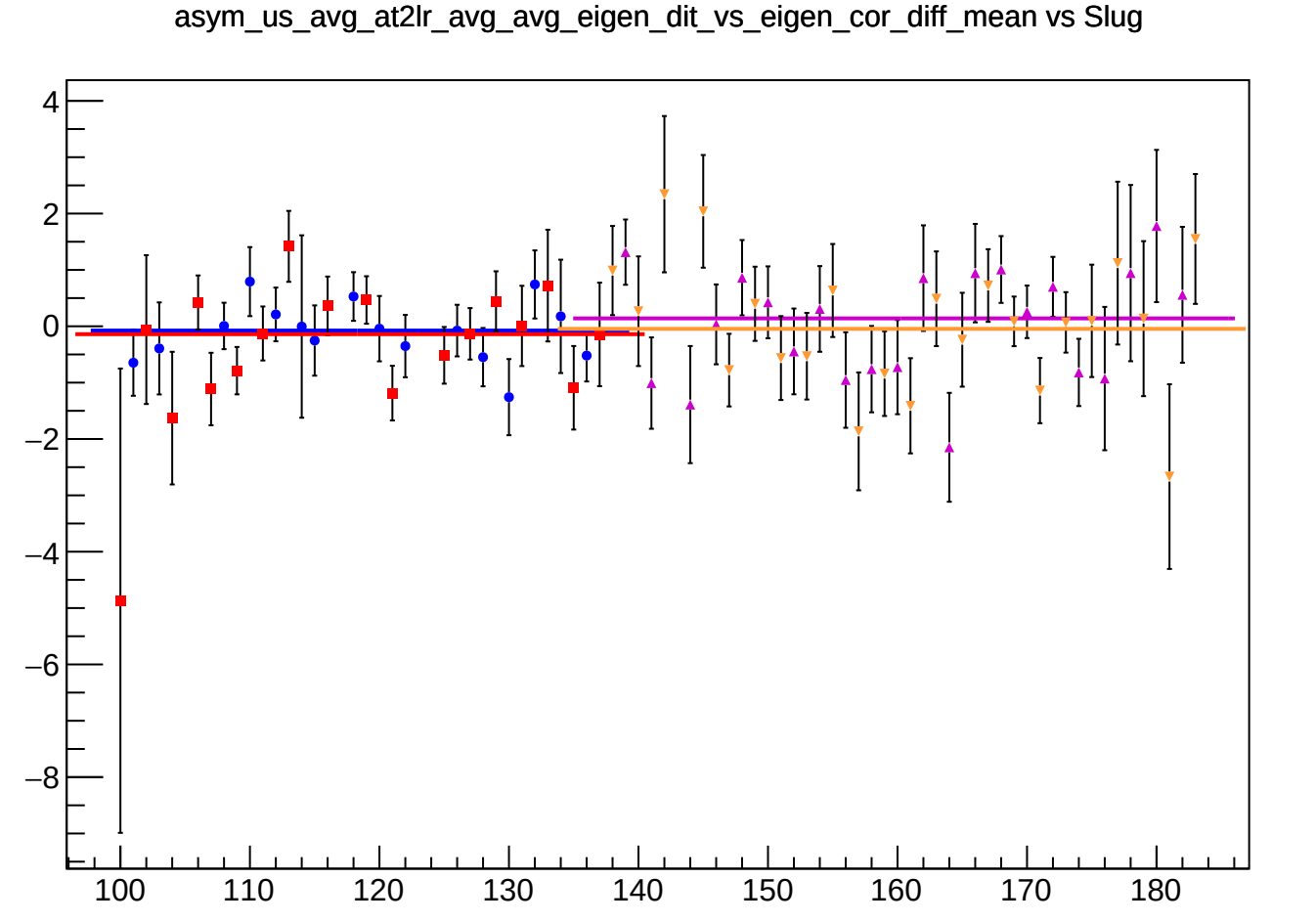
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 638.413+/-0.112 χ^2/NDF:2618984.2/21

+ sign 482.610+/-0.075 χ^2/NDF: 7731608.6/38

All: 474.940+/-0.053 χ^2/NDF: 15644469.3/78

- sign 467.533+/-0.074 χ^2/NDF: 7892263.3/39



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.046+/-0.162 χ^2/NDF:30.0/22

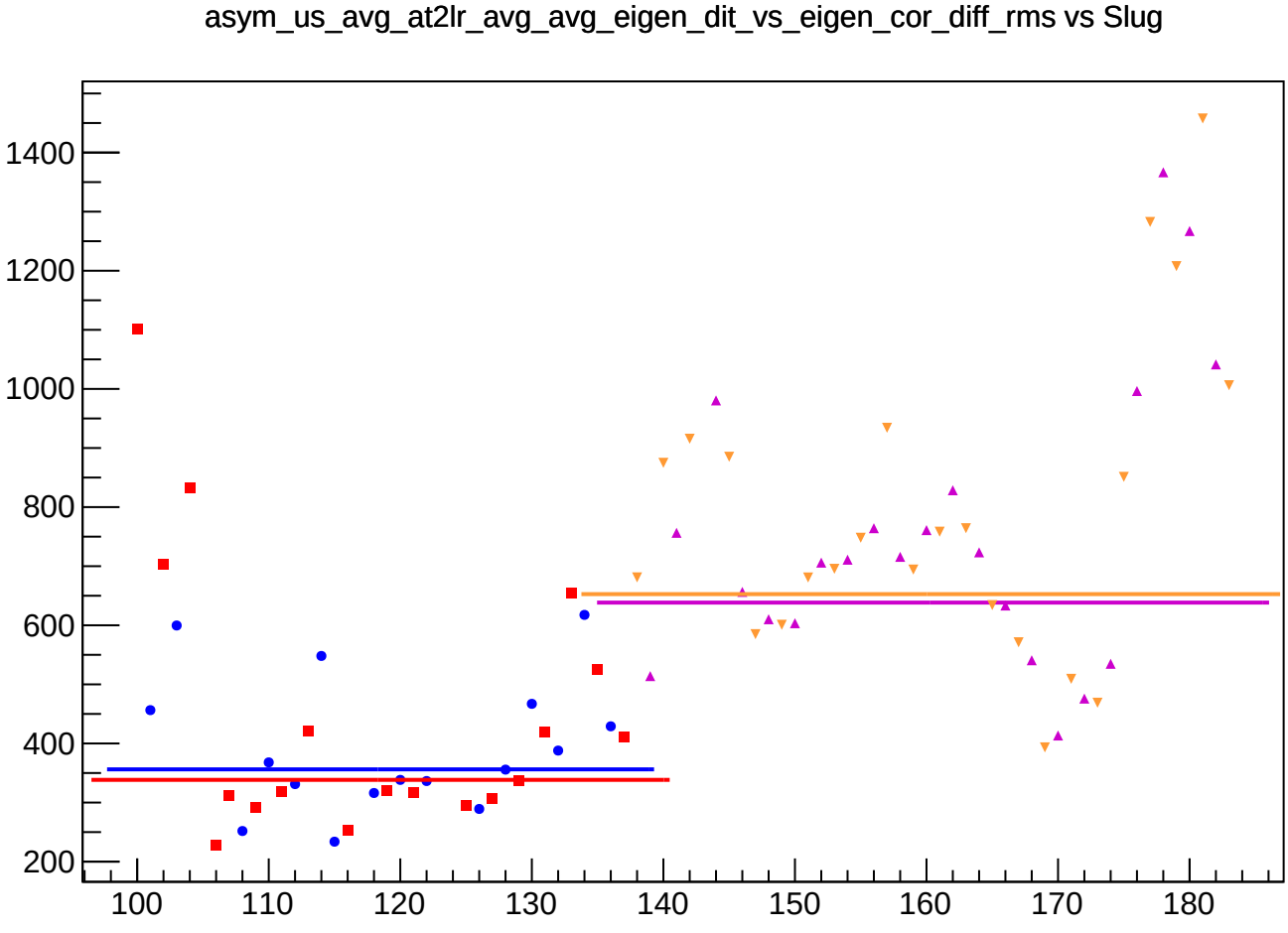
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.140+/-0.159 χ^2/NDF:29.9/21

+ sign -0.063+/-0.106 χ^2/NDF: 42.5/38

All: -0.041+/-0.074 χ^2/NDF: 101.3/78

- sign -0.020+/-0.104 χ^2/NDF: 58.7/39



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 652.736+/-0.115 χ^2/NDF:3115549.6/22

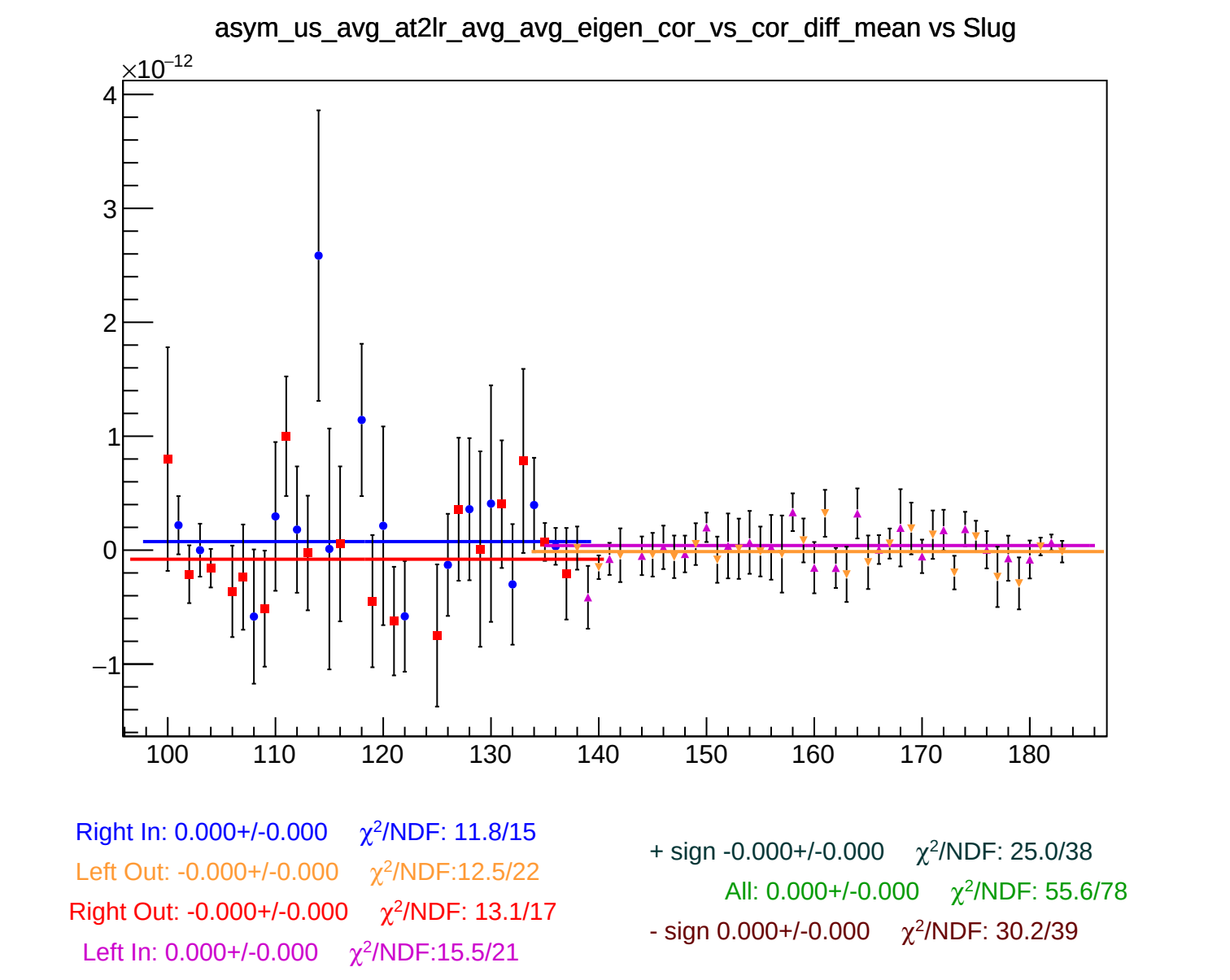
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

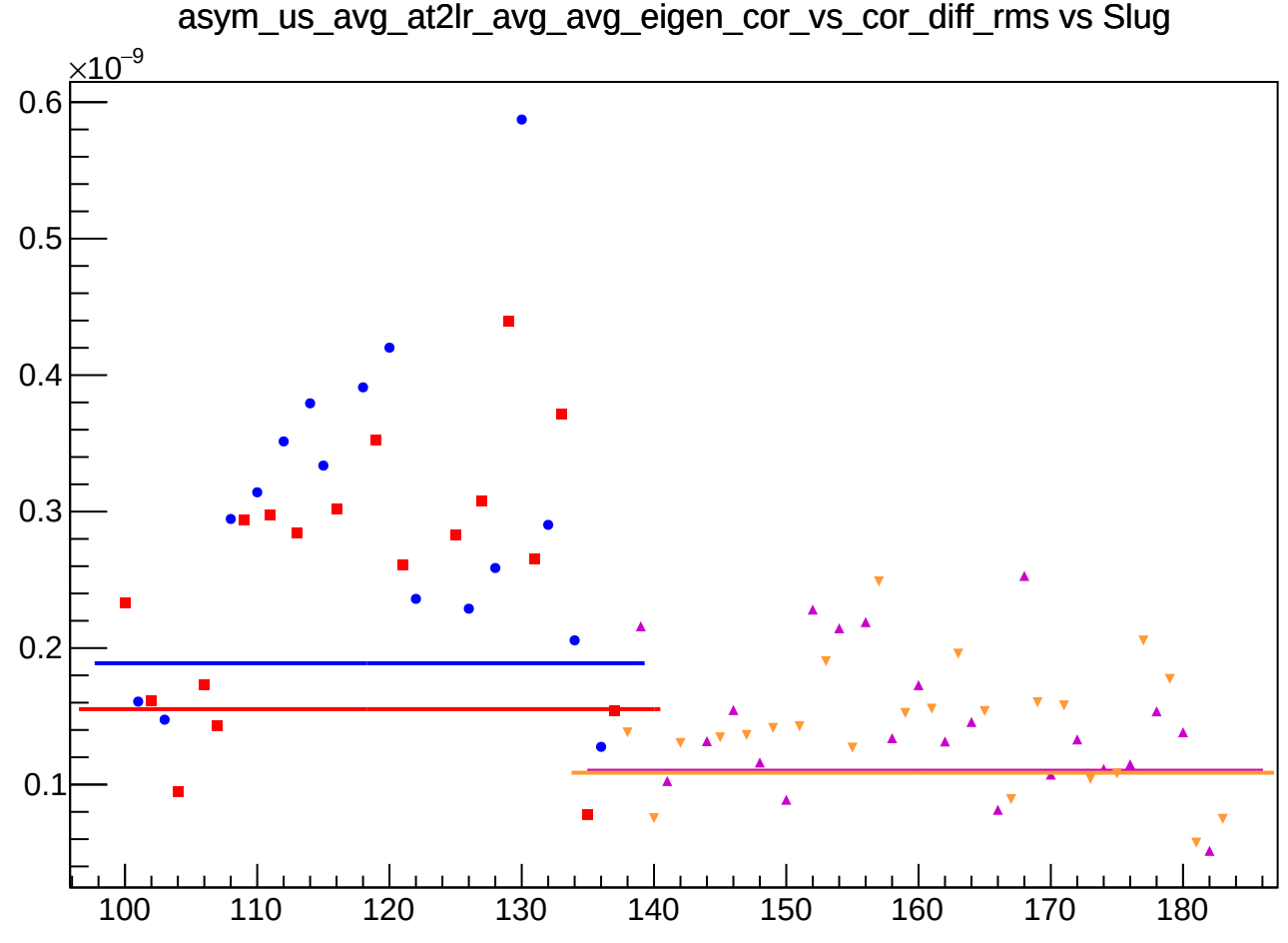
Left In: 638.413+/-0.112 χ^2/NDF:2618984.2/21

+ sign 482.610+/-0.075 χ^2/NDF: 7731608.6/38

All: 474.940+/-0.053 χ^2/NDF: 15644469.3/78

- sign 467.533+/-0.074 χ^2/NDF: 7892263.3/39


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:12.5/22
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:15.5/21
+ sign -0.000+/-0.000 χ²/NDF: 25.0/38
All: 0.000+/-0.000 χ²/NDF: 55.6/78
- sign 0.000+/-0.000 χ²/NDF: 30.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3385677.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

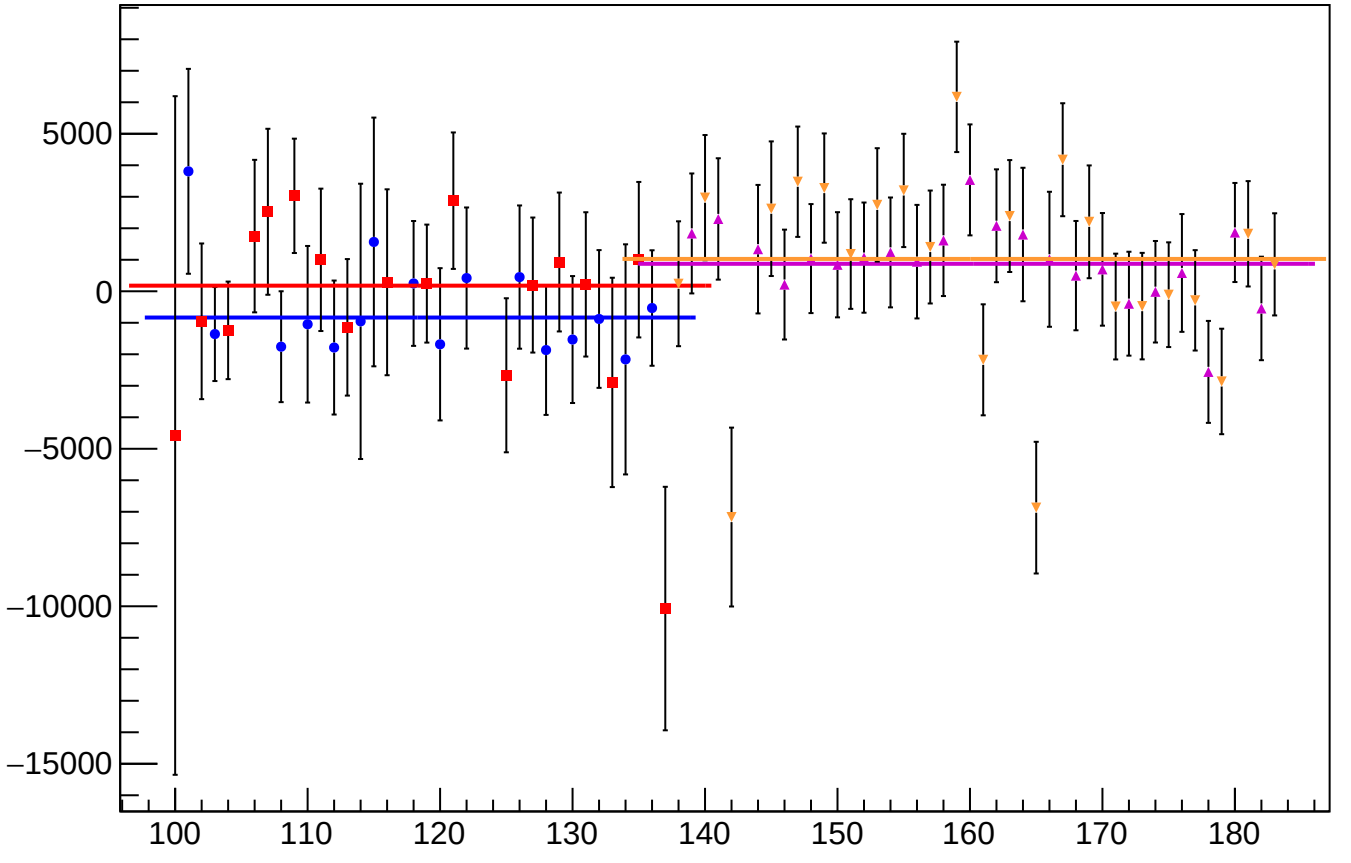
Left In: 0.000+/-0.000 χ^2/NDF:3763771.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 6141645.4/38

All: 0.000+/-0.000 χ^2/NDF: 12589087.3/78

- sign 0.000+/-0.000 χ^2/NDF: 6446237.2/39

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1026.875+/-374.246 χ^2/NDF:54.7/22

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

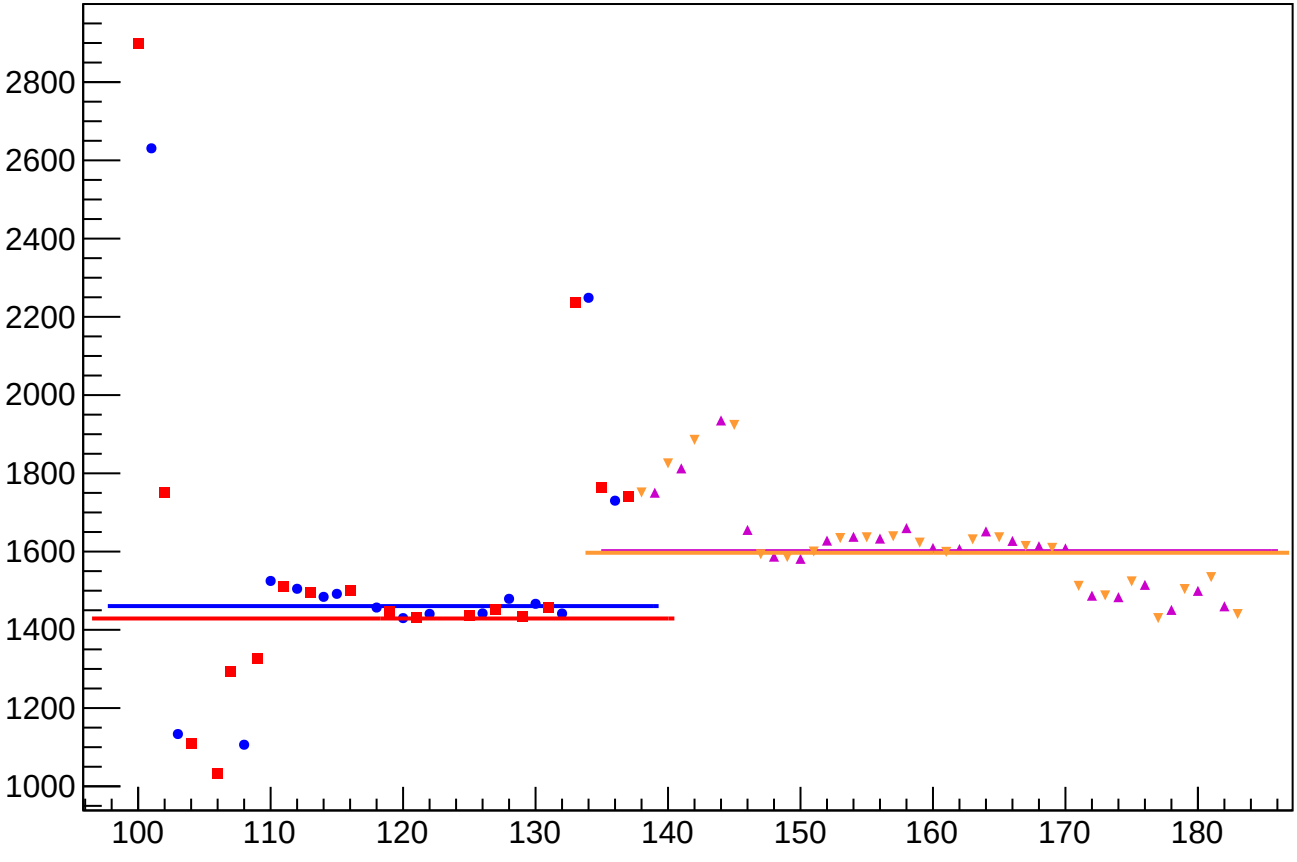
Left In: 872.096+/-377.817 χ^2/NDF:10.8/21

\+ sign 445.135+/-310.262 χ^2/NDF: 67.1/38

All: 546.550+/-219.657 χ^2/NDF: 95.6/78

\- sign 648.463+/-311.022 χ^2/NDF: 28.3/39

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1596.976+/-0.265 χ^2/NDF:177983.2/22

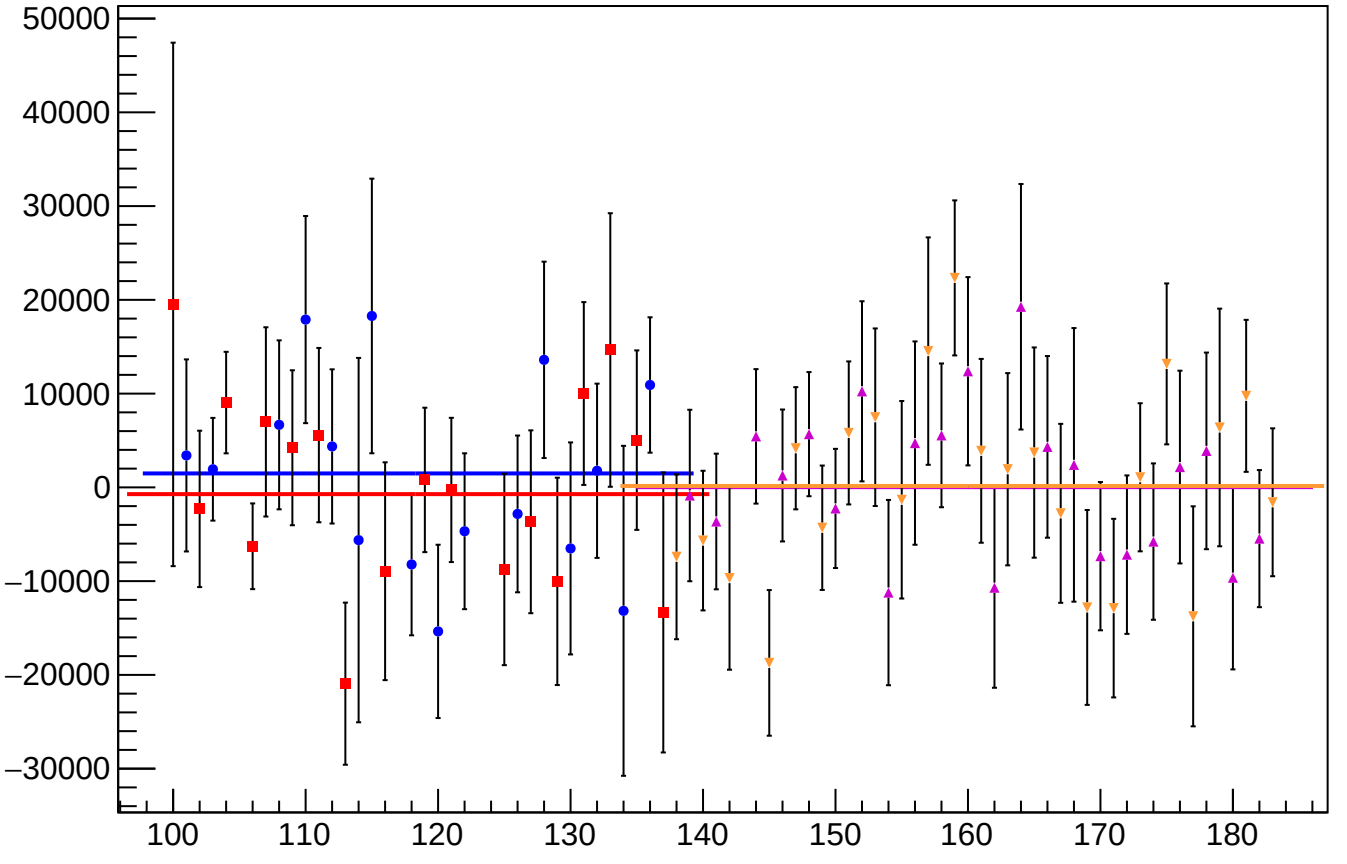
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1601.066+/-0.267 χ^2/NDF:162997.5/21

+ sign 1554.347+/-0.219 χ^2/NDF: 836701.5/38

All: 1549.687+/-0.155 χ^2/NDF: 1547025.7/78

- sign 1545.026+/-0.219 χ^2/NDF: 709421.7/39



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 149.493+/-1836.131 χ^2/NDF:28.1/22

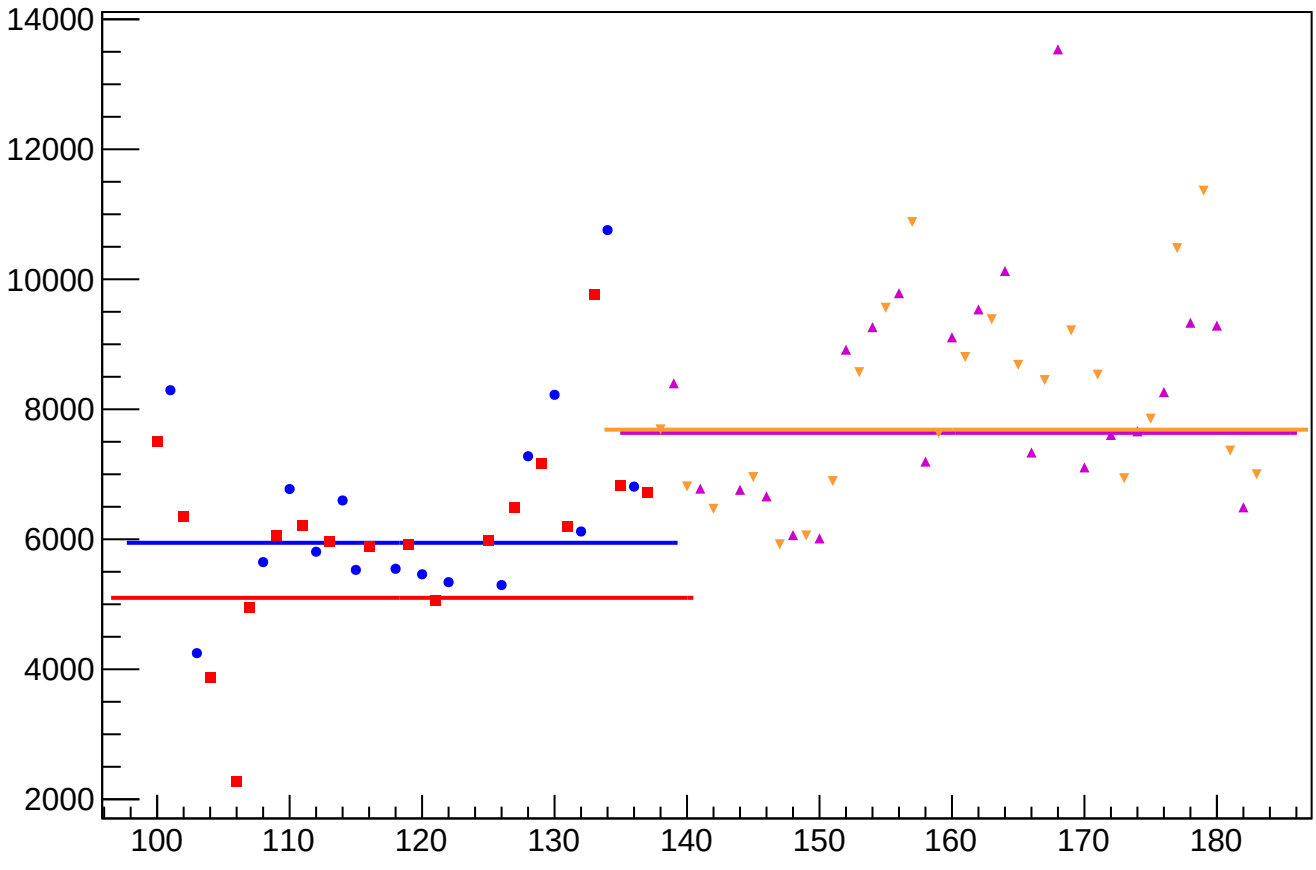
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 22.827+/-1835.378 χ^2/NDF:13.6/21

\+ sign 679.210+/-1427.090 χ^2/NDF: 42.5/38

All: 156.812+/-982.941 χ^2/NDF: 73.9/78

\- sign -314.714+/-1355.824 χ^2/NDF: 31.2/39



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7686.657+/-1.298 χ^2/NDF:1071372.9/22

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

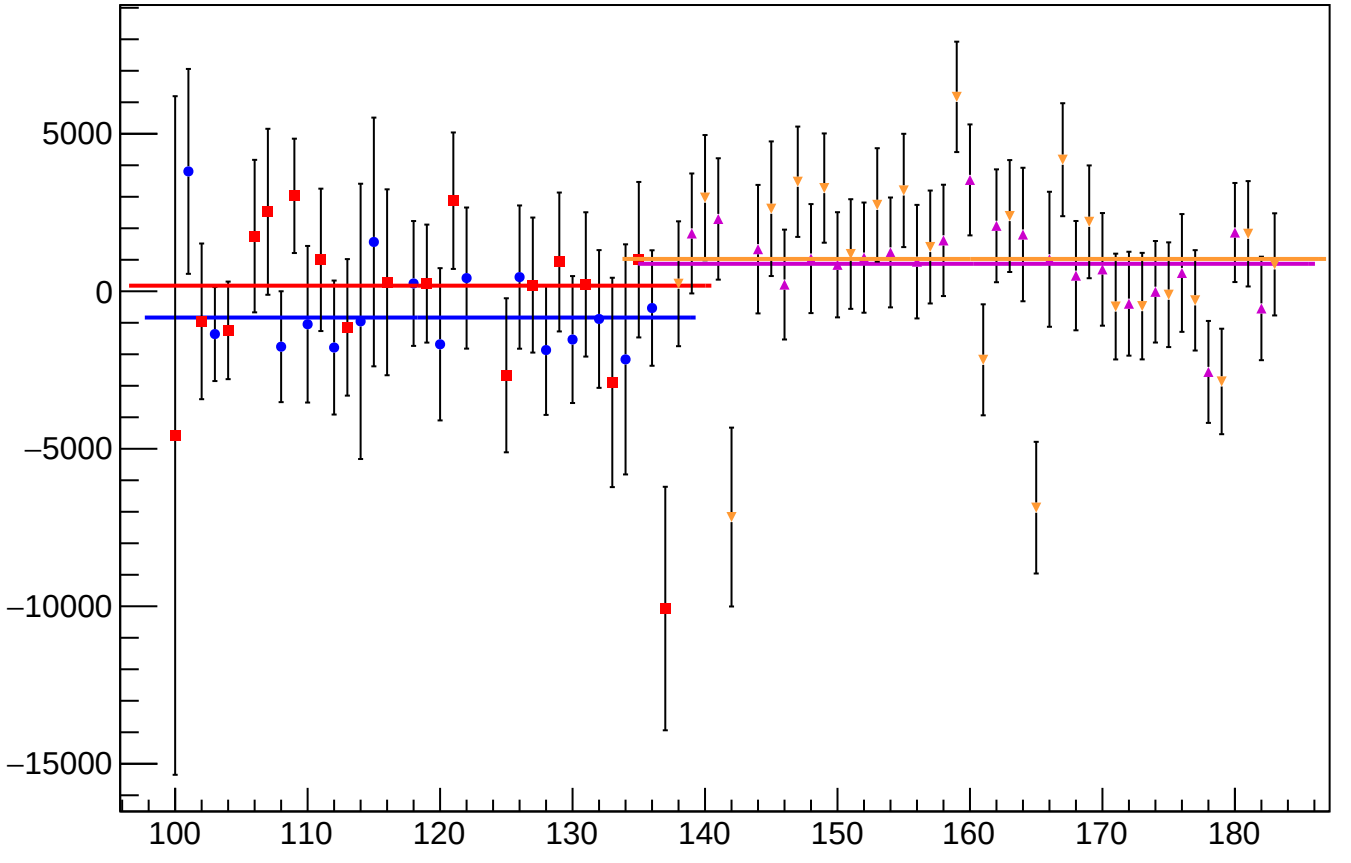
Left In: 7637.529+/-1.298 χ^2/NDF:1210954.9/21

+ sign 6997.530+/-1.009 χ^2/NDF: 2424070.1/38

All: 6727.859+/-0.695 χ^2/NDF: 6988893.9/78

- sign 6484.450+/-0.959 χ^2/NDF: 4428946.7/39

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1026.975+/-374.246 χ^2/NDF:54.7/22

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

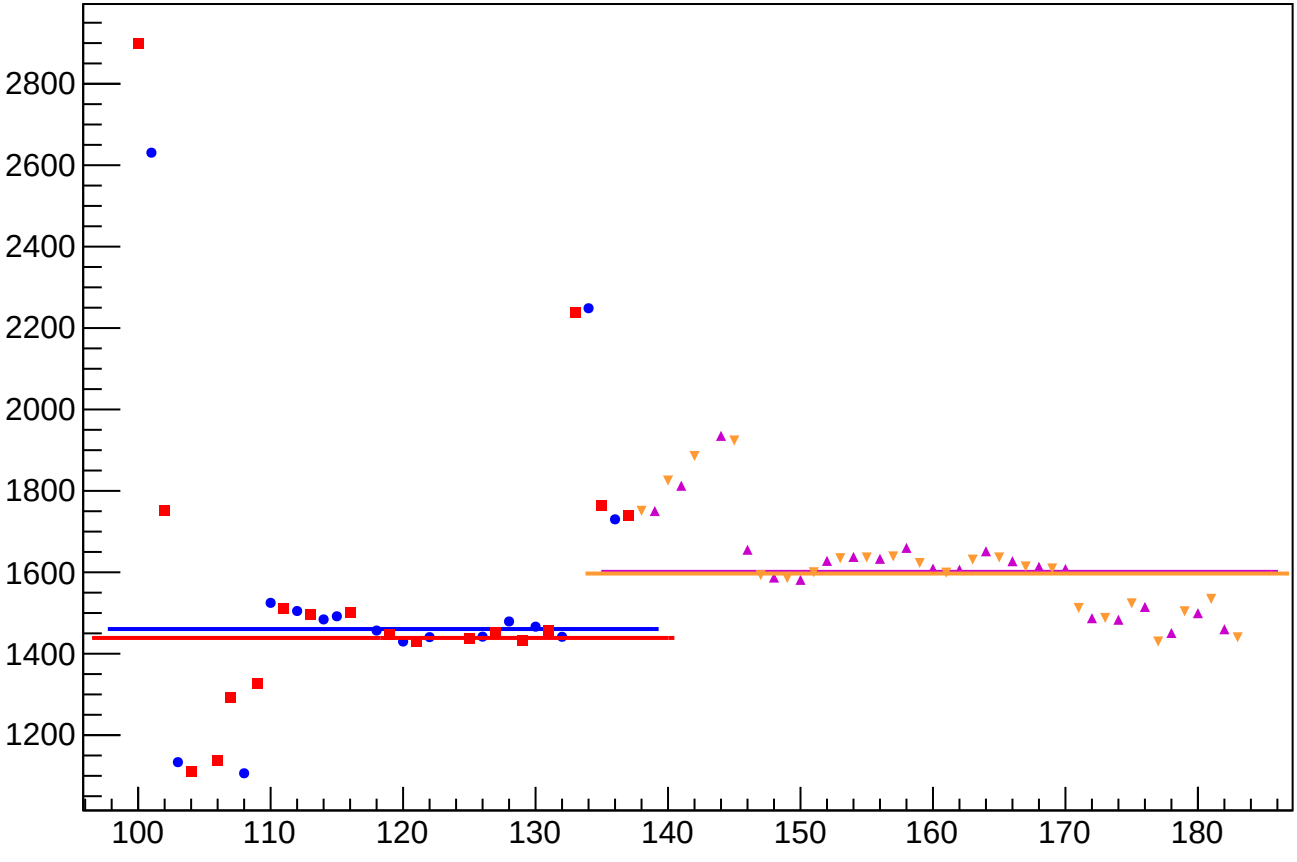
Left In: 871.990+/-377.817 χ^2/NDF:10.8/21

\+ sign 445.184+/-310.262 χ^2/NDF: 67.1/38

All: 546.513+/-219.657 χ^2/NDF: 95.6/78

\- sign 648.339+/-311.022 χ^2/NDF: 28.3/39

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1596.976+/-0.265 χ^2/NDF:177983.2/22

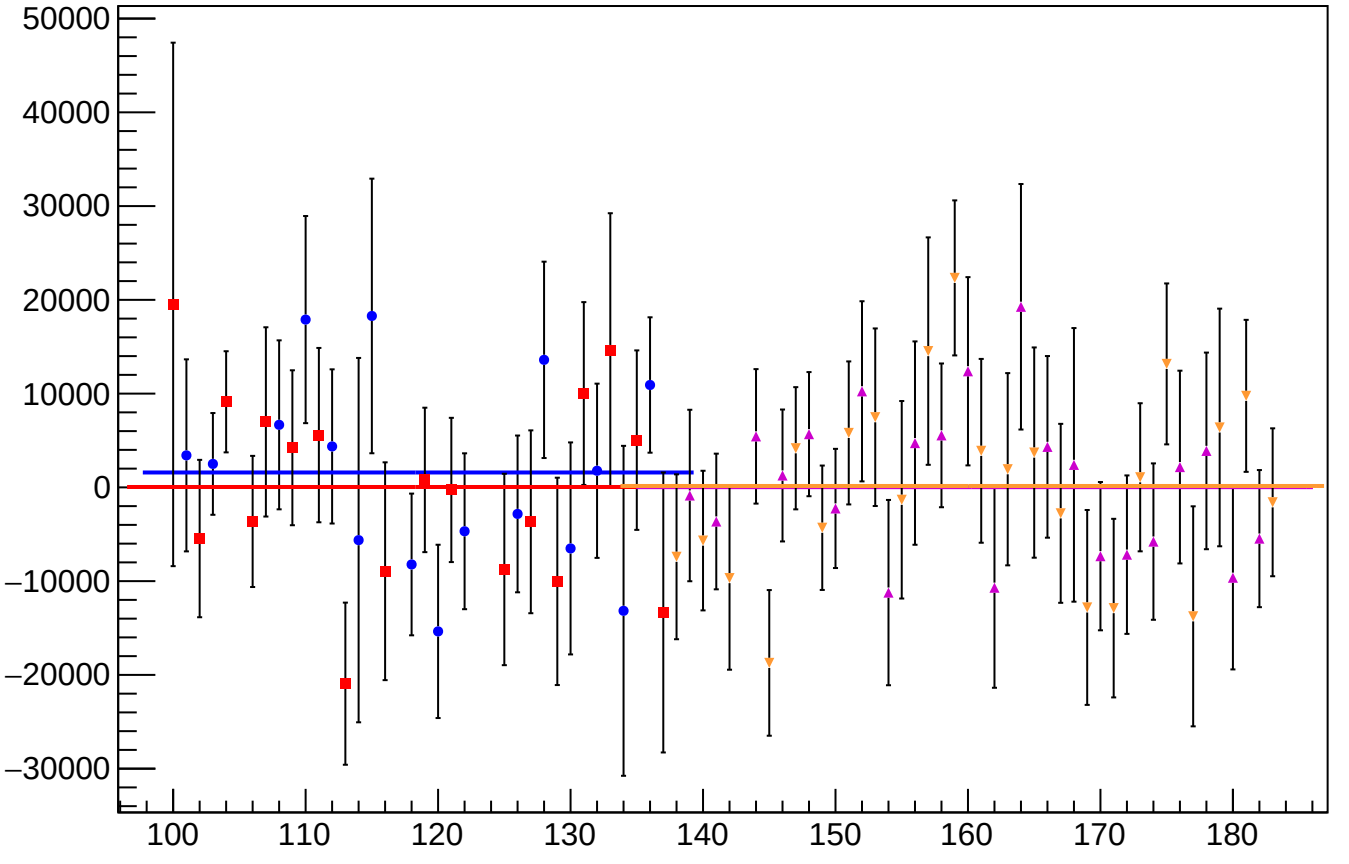
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1601.066+/-0.267 χ^2/NDF:162997.5/21

+ sign 1554.347+/-0.219 χ^2/NDF: 836701.9/38

All: 1551.473+/-0.155 χ^2/NDF: 1492752.6/78

- sign 1548.589+/-0.220 χ^2/NDF: 655706.9/39



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 149.509+/-1836.132 χ^2/NDF:28.1/22

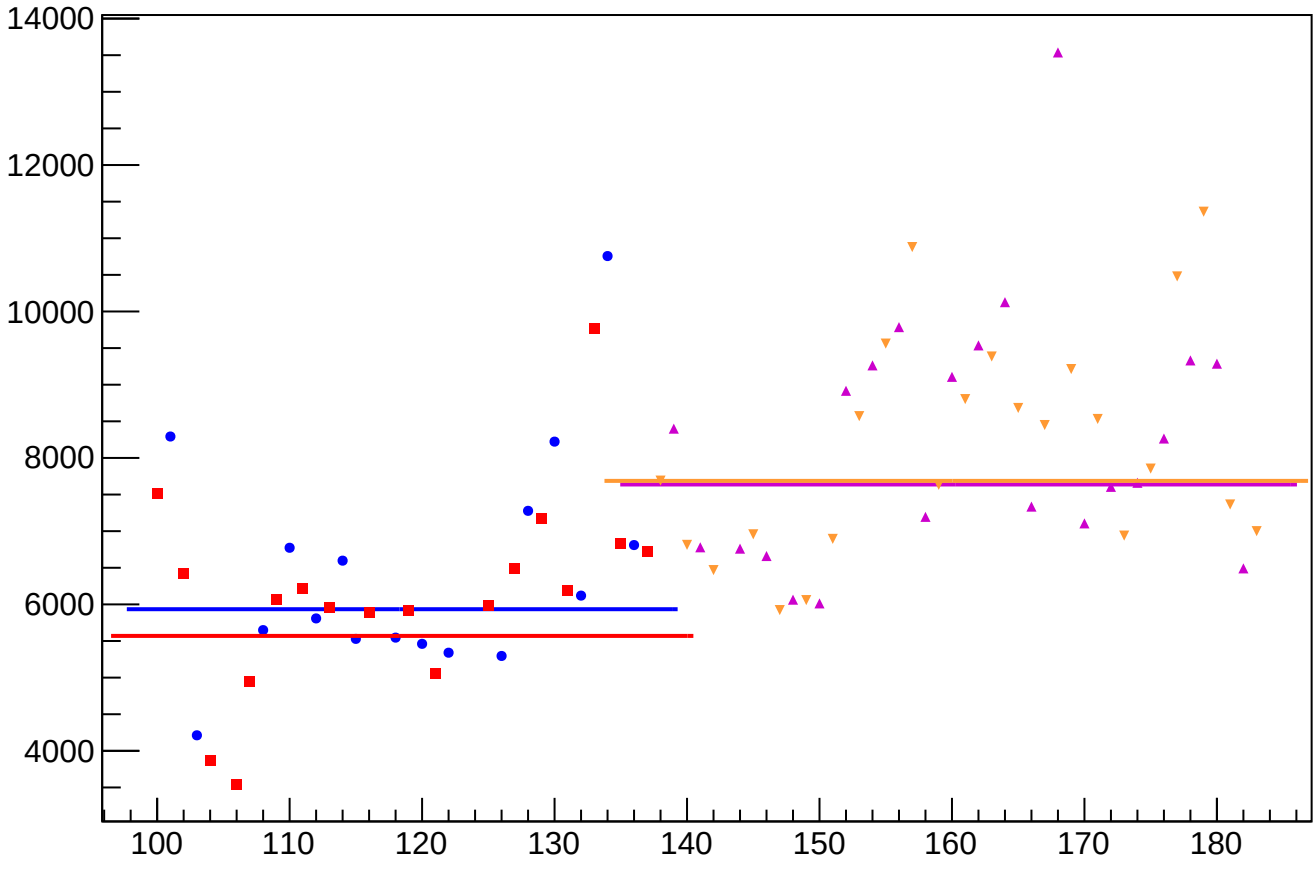
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 22.842+/-1835.376 χ^2/NDF:13.6/21

+ sign 720.439+/-1426.150 χ^2/NDF: 42.5/38

All: 366.879+/-995.870 χ^2/NDF: 72.7/78

- sign 30.415+/-1391.245 χ^2/NDF: 30.0/39



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7686.659+/-1.298 χ^2/NDF:1071372.2/22

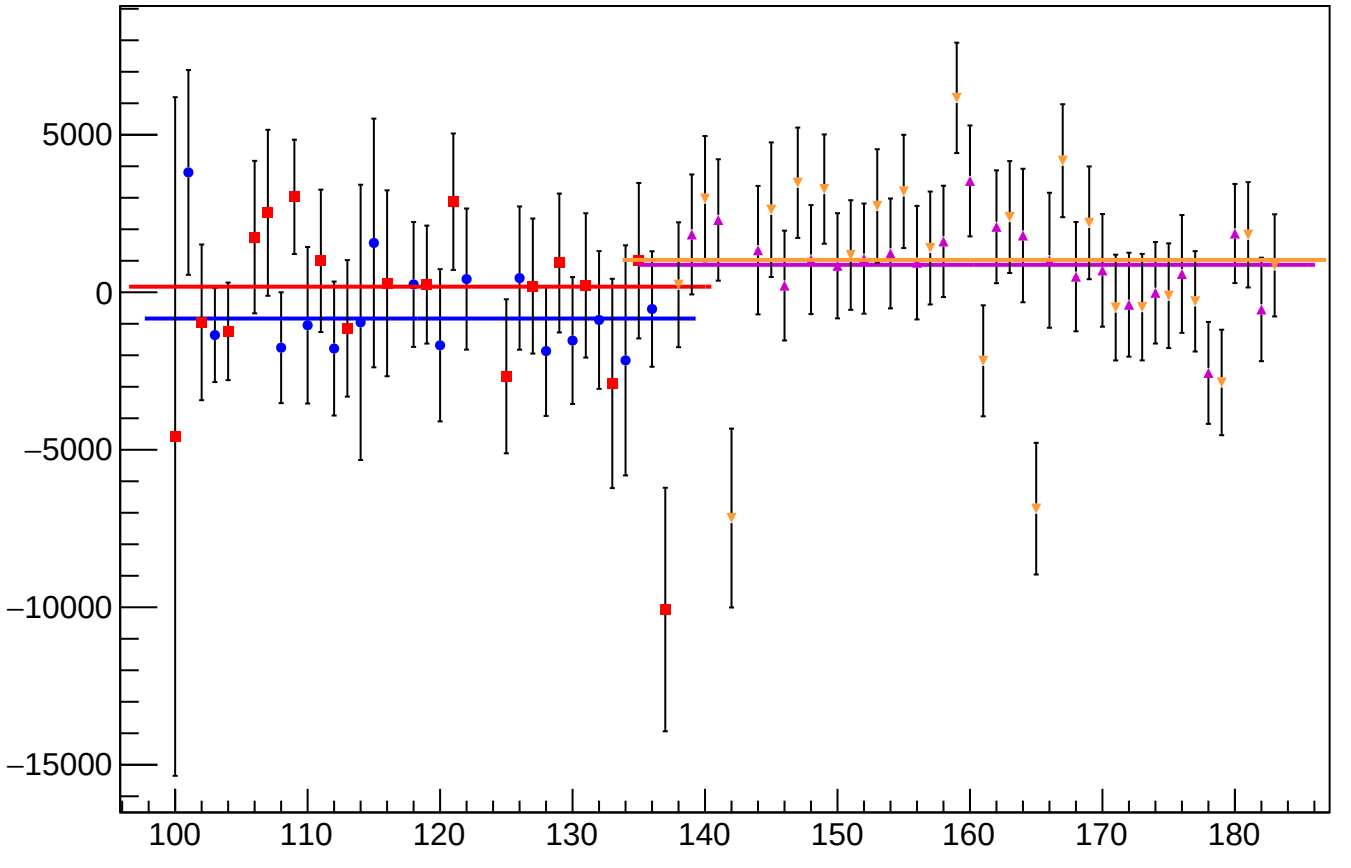
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7637.521+/-1.298 χ^2/NDF:1210958.1/21

+ sign 6991.437+/-1.008 χ^2/NDF: 2447210.7/38

All: 6871.727+/-0.704 χ^2/NDF: 5489796.1/78

- sign 6757.806+/-0.984 χ^2/NDF: 3015083.7/39



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1026.975+/-374.246 χ^2/NDF:54.7/22

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

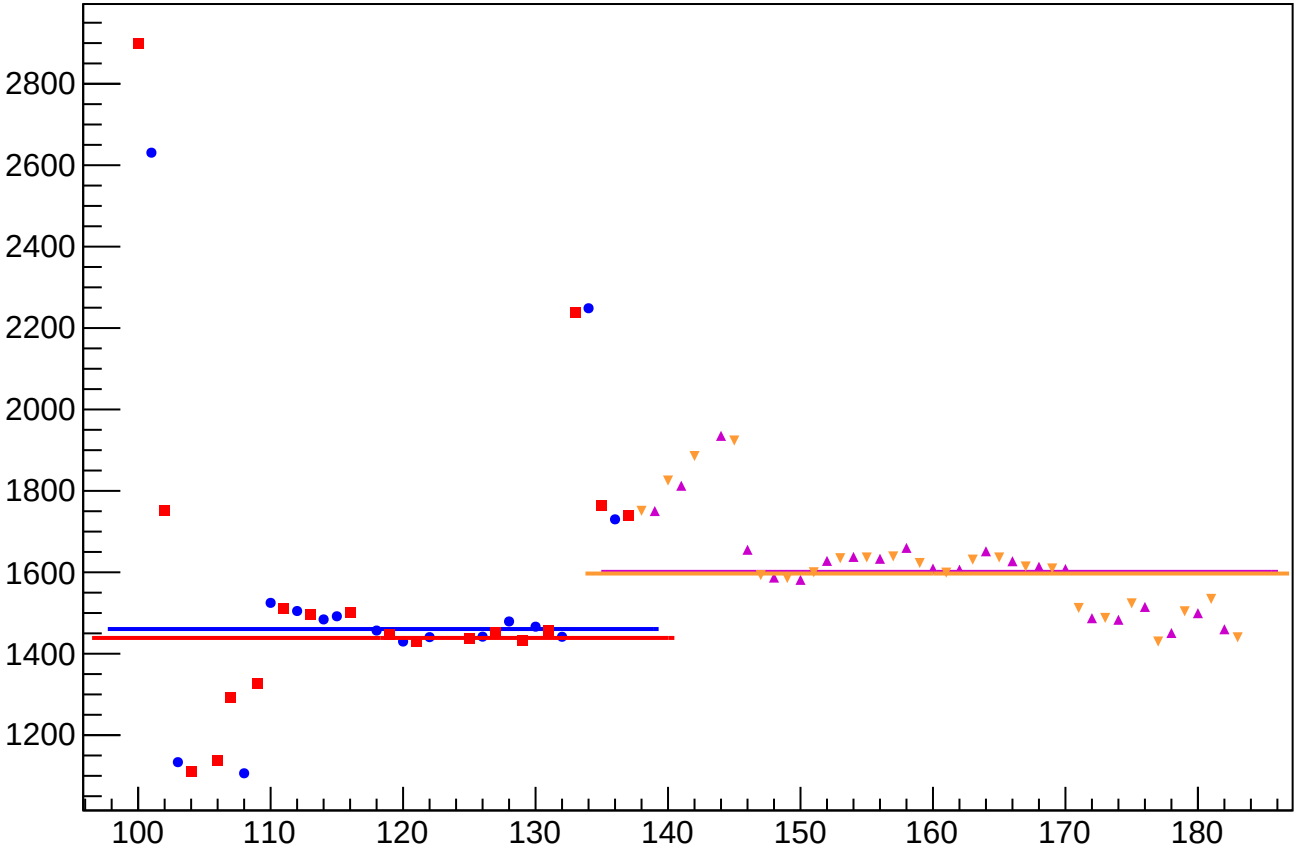
Left In: 871.990+/-377.817 χ^2/NDF:10.8/21

\+ sign 445.184+/-310.262 χ^2/NDF: 67.1/38

All: 546.513+/-219.657 χ^2/NDF: 95.6/78

\- sign 648.339+/-311.022 χ^2/NDF: 28.3/39

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1596.976+/-0.265 χ^2/NDF:177983.2/22

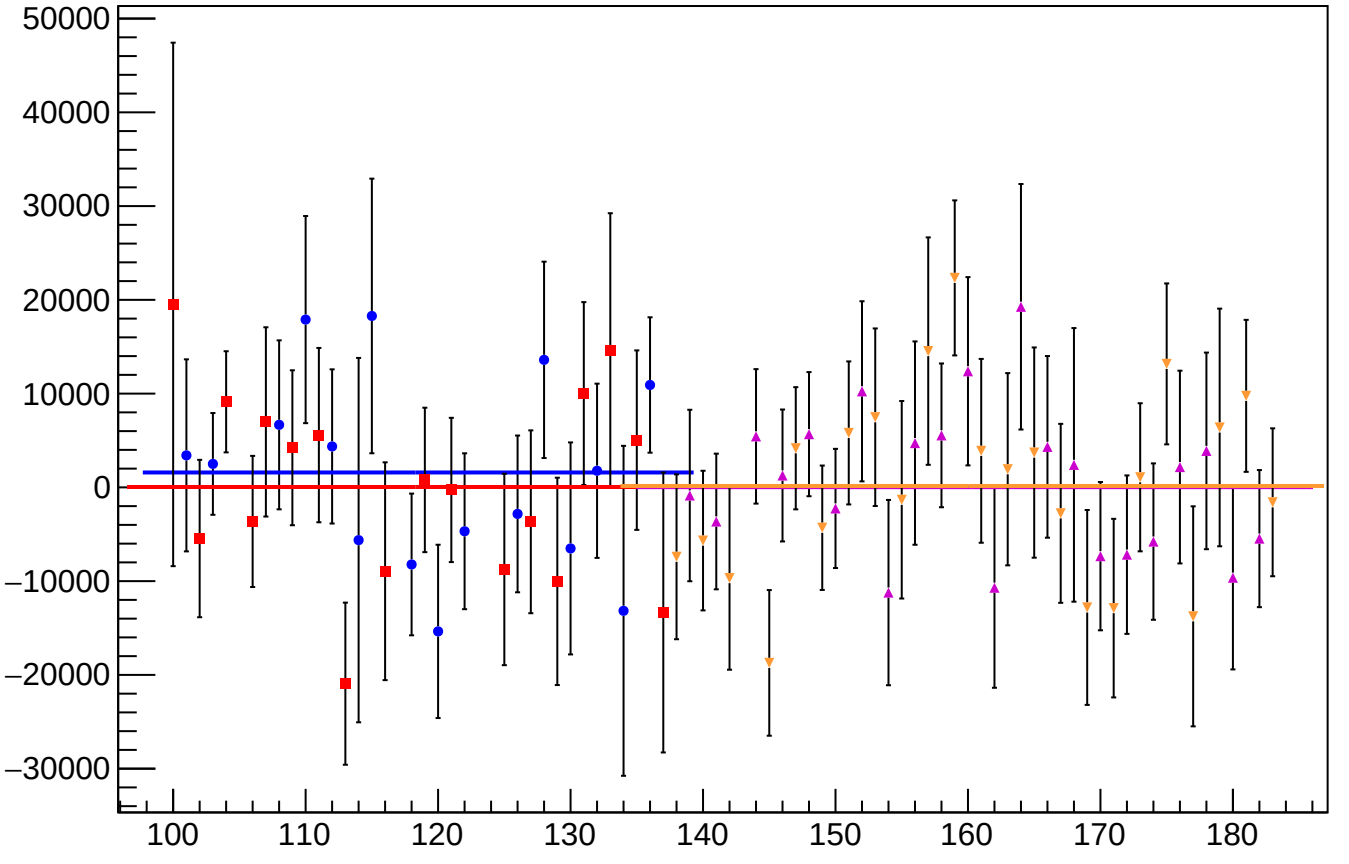
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1601.066+/-0.267 χ^2/NDF:162997.5/21

+ sign 1554.347+/-0.219 χ^2/NDF: 836701.9/38

All: 1551.473+/-0.155 χ^2/NDF: 1492752.6/78

- sign 1548.589+/-0.220 χ^2/NDF: 655706.9/39



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 149.509+/-1836.132 χ^2/NDF:28.1/22

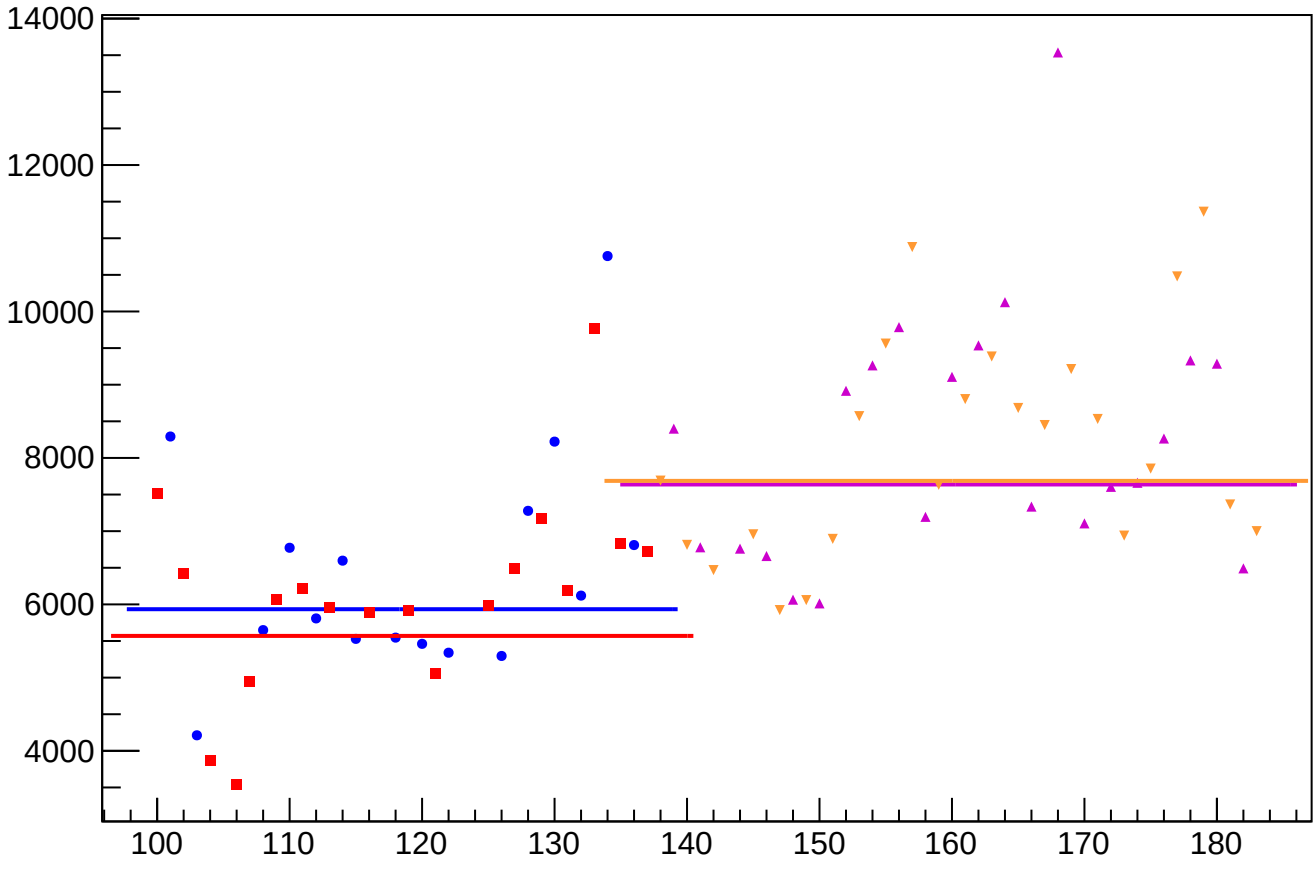
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 22.842+/-1835.376 χ^2/NDF:13.6/21

+ sign 720.439+/-1426.150 χ^2/NDF: 42.5/38

All: 366.879+/-995.870 χ^2/NDF: 72.7/78

- sign 30.415+/-1391.245 χ^2/NDF: 30.0/39



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7686.659+/-1.298 χ^2/NDF:1071372.2/22

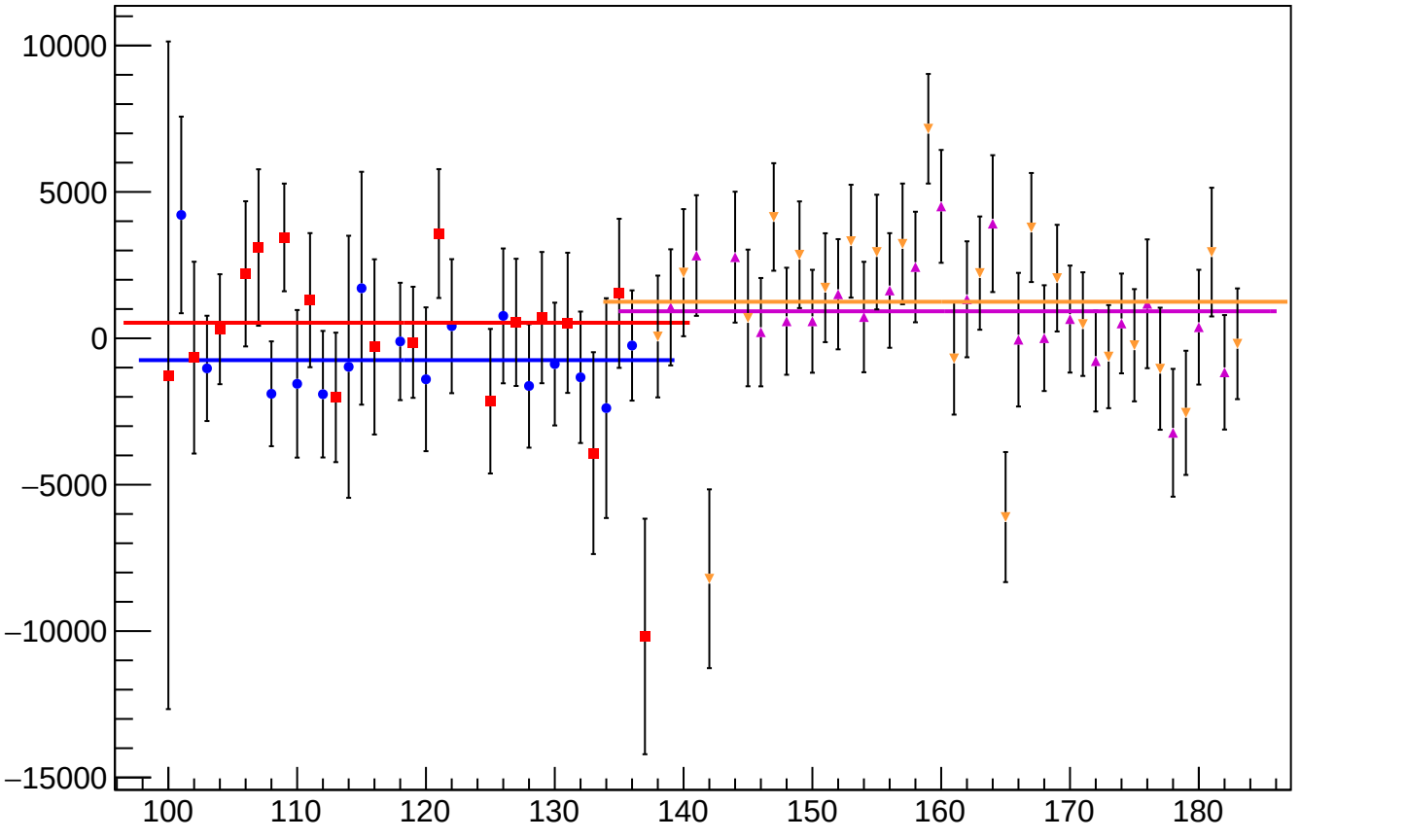
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7637.521+/-1.298 χ^2/NDF:1210958.1/21

+ sign 6991.437+/-1.008 χ^2/NDF: 2447210.7/38

All: 6871.727+/-0.704 χ^2/NDF: 5489796.1/78

- sign 6757.806+/-0.984 χ^2/NDF: 3015083.7/39



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1248.554+/-413.246 χ^2/NDF:48.1/22

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

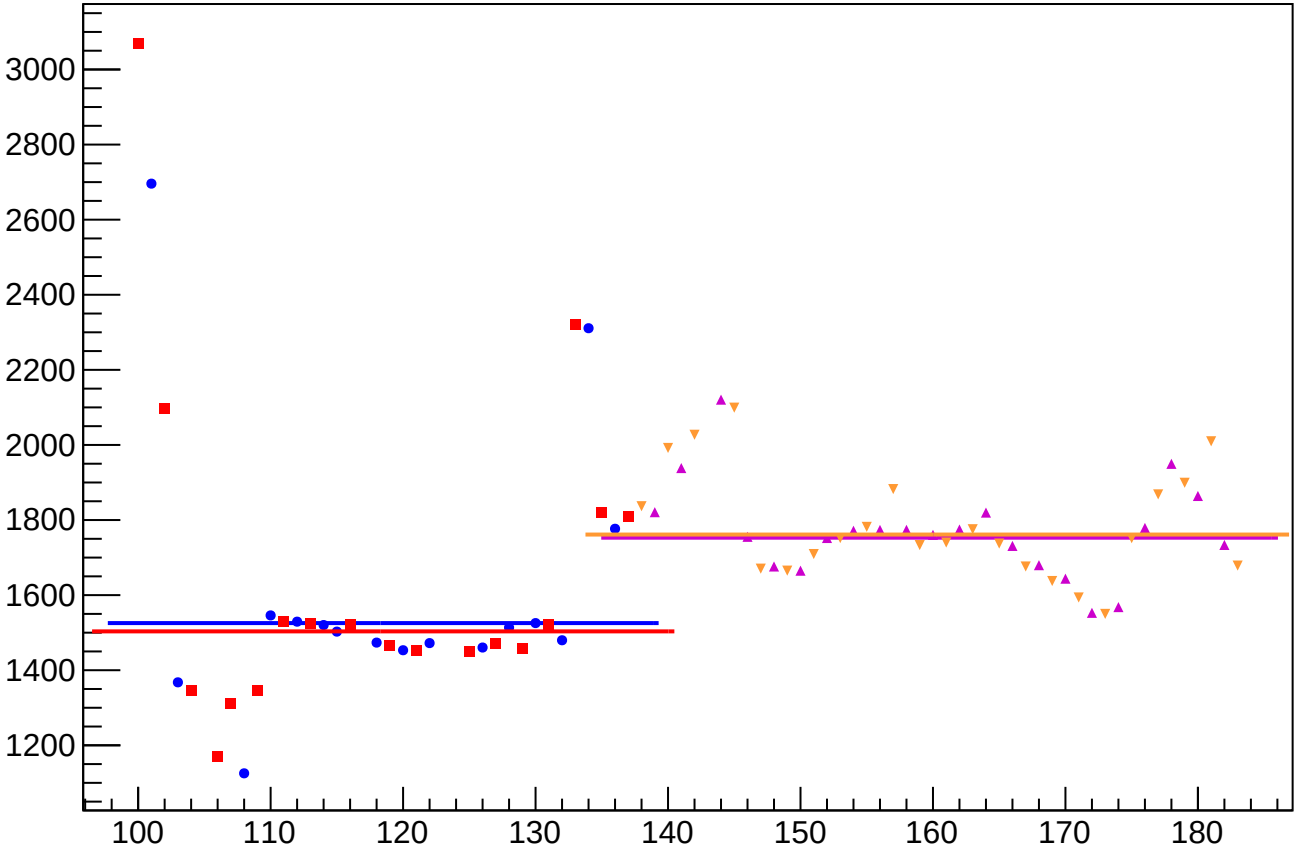
Left In: 923.098+/-413.994 χ^2/NDF:14.1/21

+ sign 574.018+/-336.179 χ^2/NDF: 60.7/38

All: 681.752+/-237.649 χ^2/NDF: 93.1/78

- sign 789.368+/-335.995 χ^2/NDF: 32.2/39

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1761.331+/-0.292 χ^2/NDF:205762.3/22

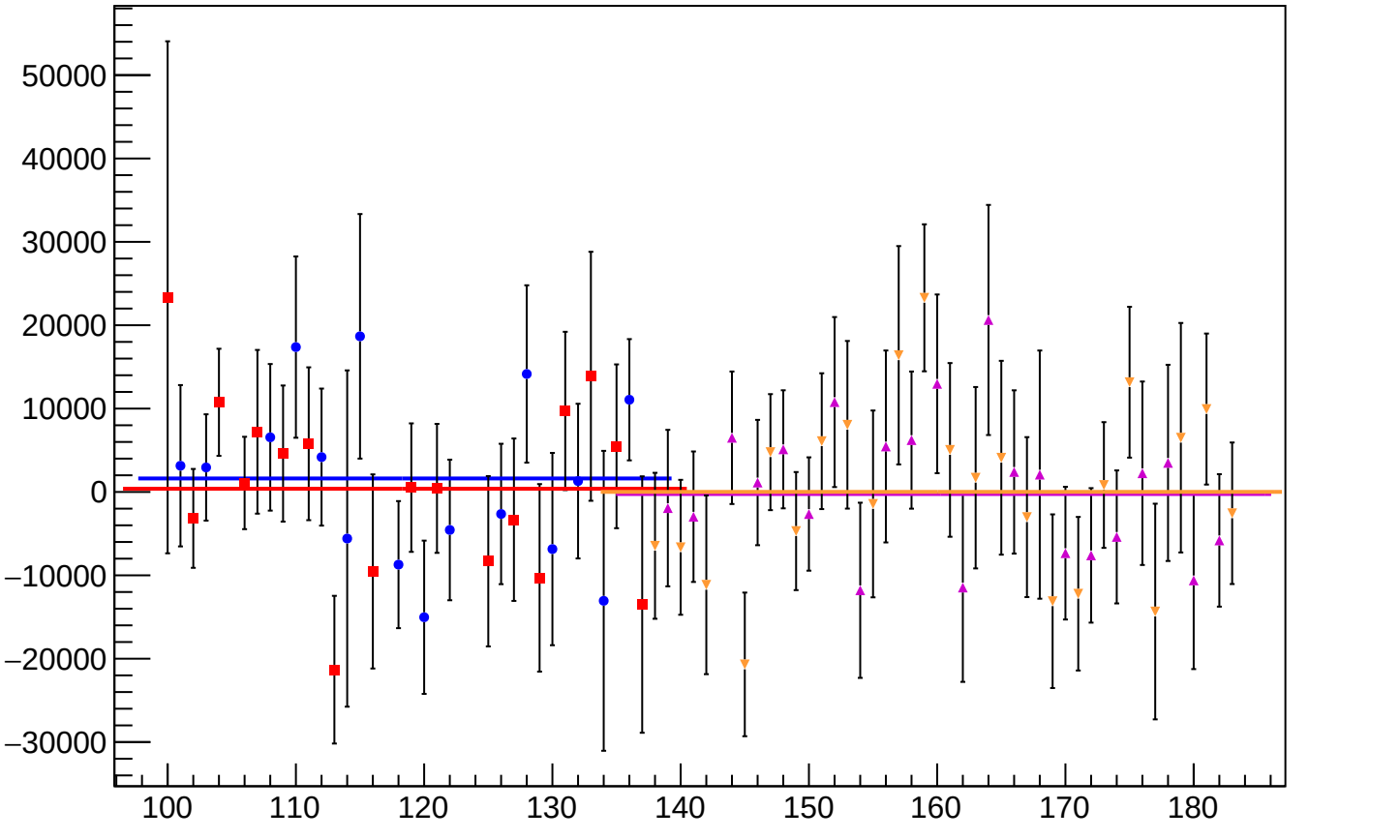
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1752.982+/-0.293 χ^2/NDF:168039.0/21

+ sign 1681.584+/-0.238 χ^2/NDF: 914313.1/38

All: 1674.675+/-0.168 χ^2/NDF: 1670673.8/78

- sign 1667.775+/-0.238 χ^2/NDF: 754672.2/39



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 11.333+/-1936.100 χ^2/NDF:27.4/22

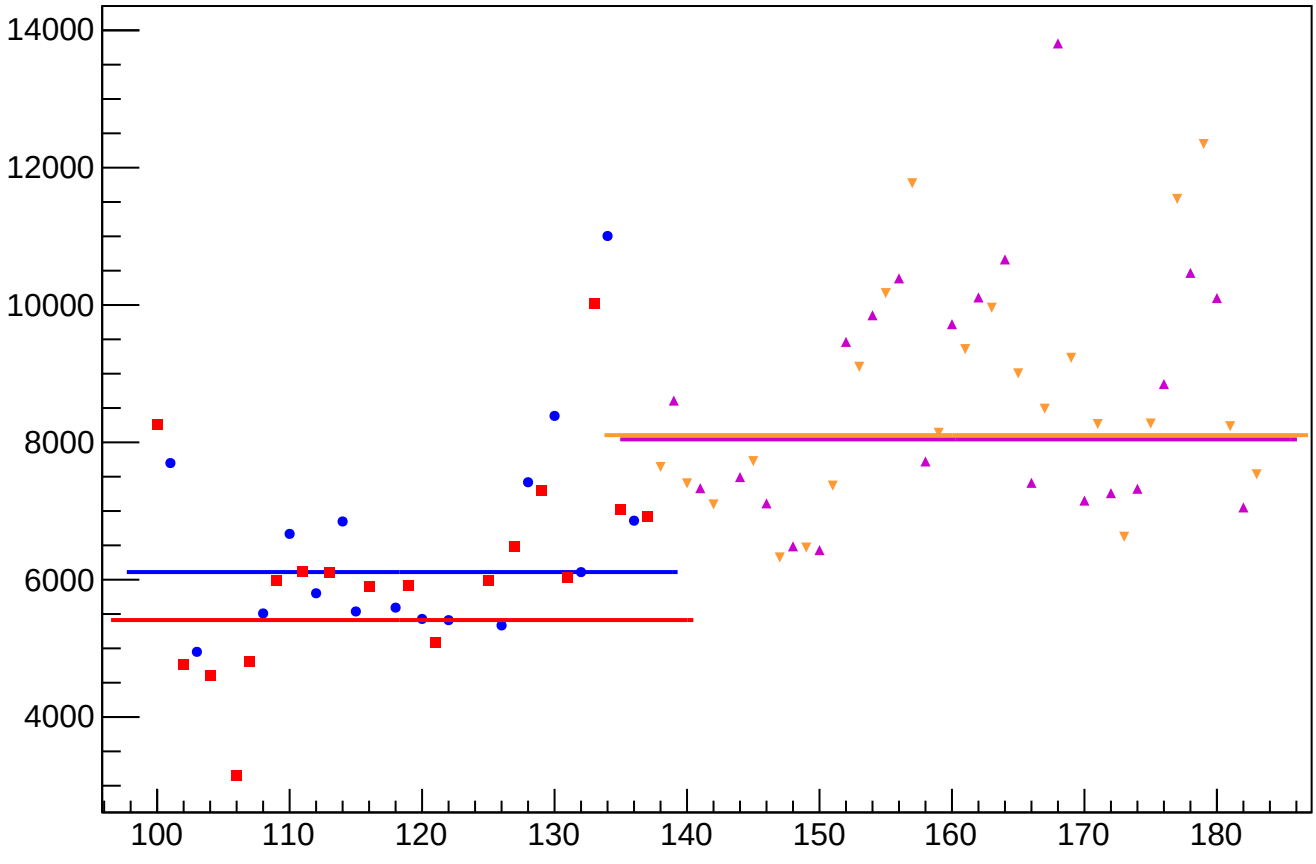
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -247.177+/-1933.279 χ^2/NDF:13.4/21

+ sign 671.748+/-1486.489 χ^2/NDF: 42.0/38

All: 344.031+/-1022.987 χ^2/NDF: 71.5/78

- sign 49.179+/-1409.984 χ^2/NDF: 29.4/39



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8104.791+/-1.369 χ^2/NDF:1085727.5/22

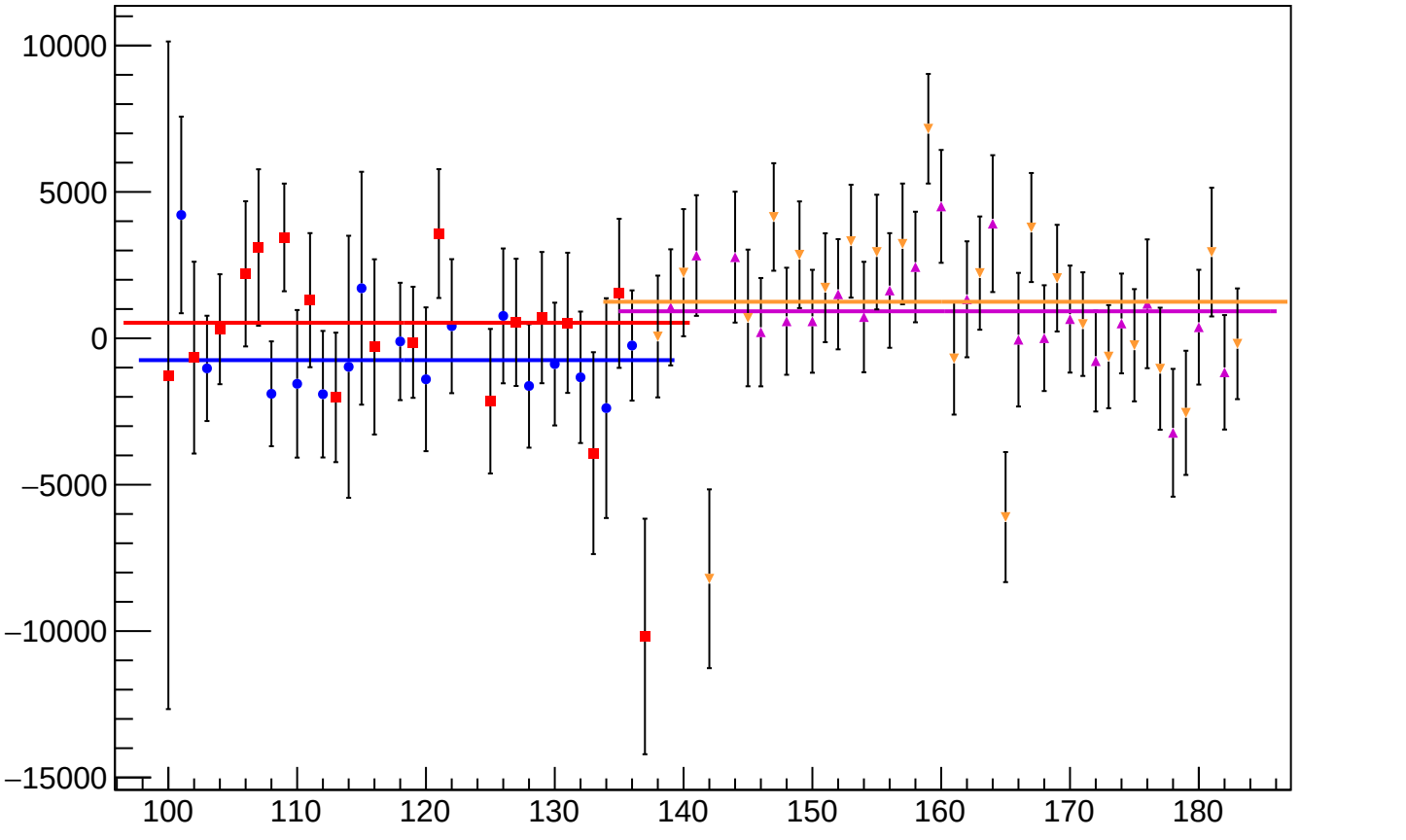
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8042.899+/-1.367 χ^2/NDF:1215420.2/21

+ sign 7286.312+/-1.051 χ^2/NDF: 2428058.4/38

All: 7036.391+/-0.723 χ^2/NDF: 6305757.6/78

- sign 6811.534+/-0.997 χ^2/NDF: 3770300.4/39



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1248.562+/-413.246 χ^2/NDF:48.1/22

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

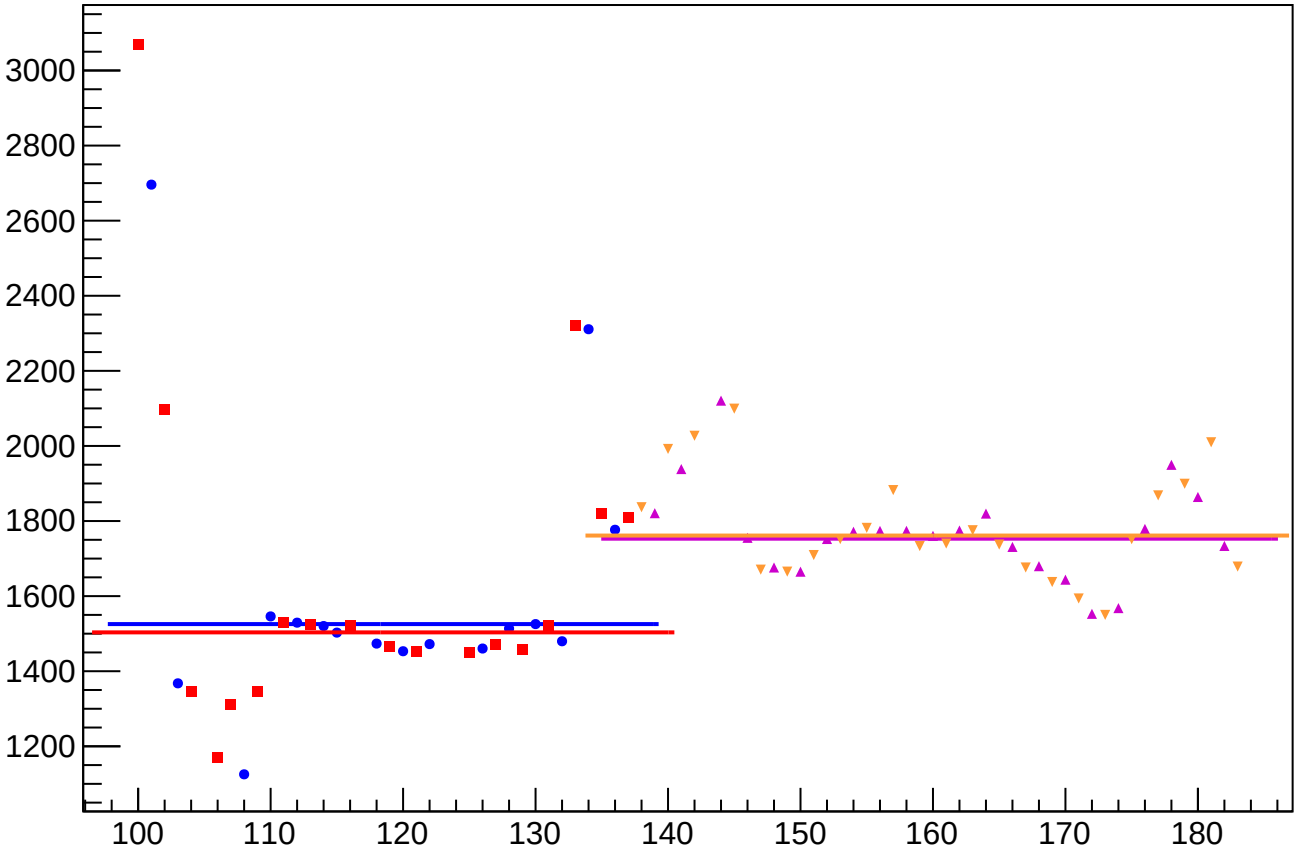
Left In: 923.097+/-413.995 χ^2/NDF:14.1/21

+ sign 574.019+/-336.179 χ^2/NDF: 60.7/38

All: 681.754+/-237.650 χ^2/NDF: 93.1/78

- sign 789.371+/-335.996 χ^2/NDF: 32.2/39

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1761.334+/-0.292 χ^2/NDF:205770.8/22

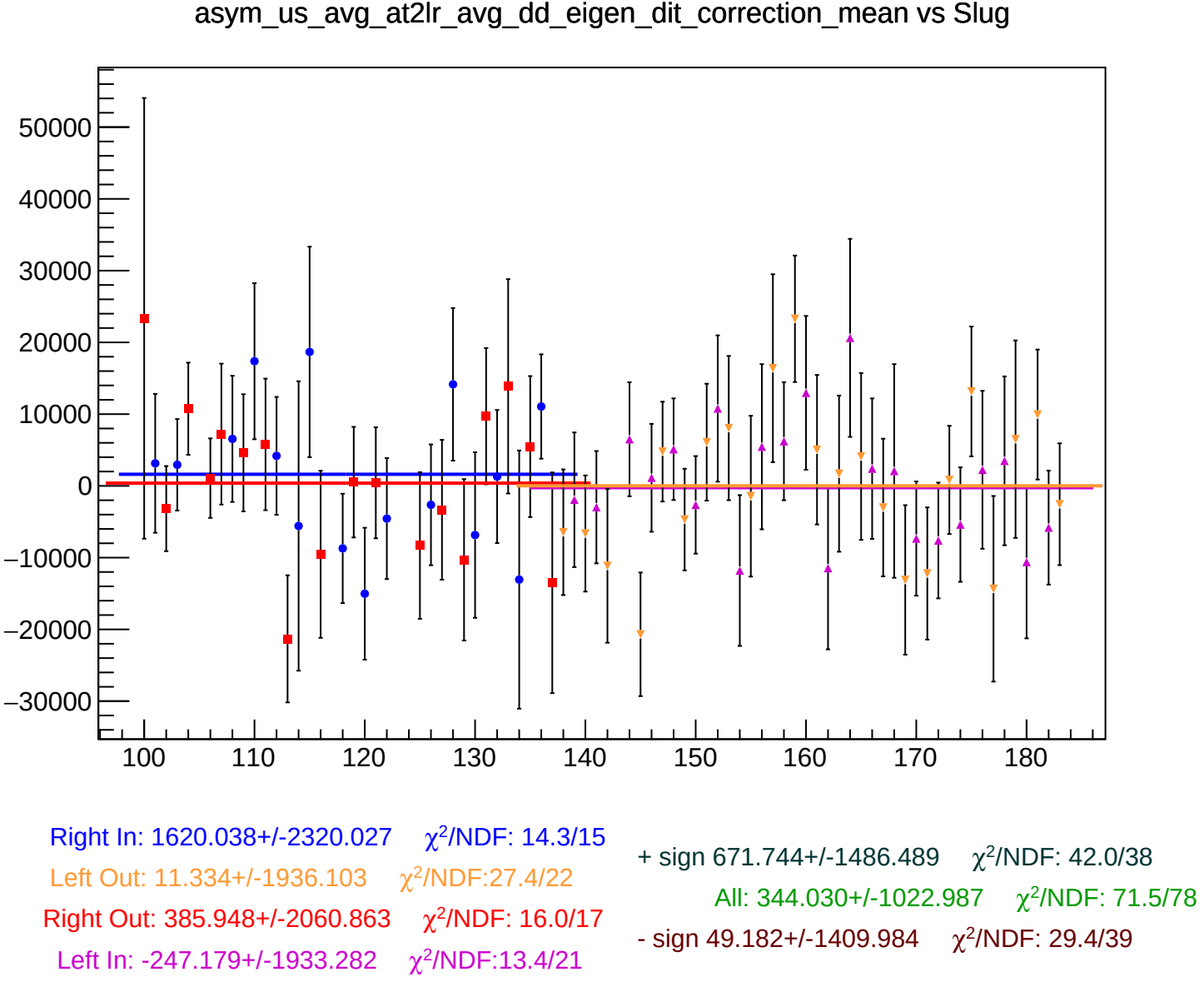
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

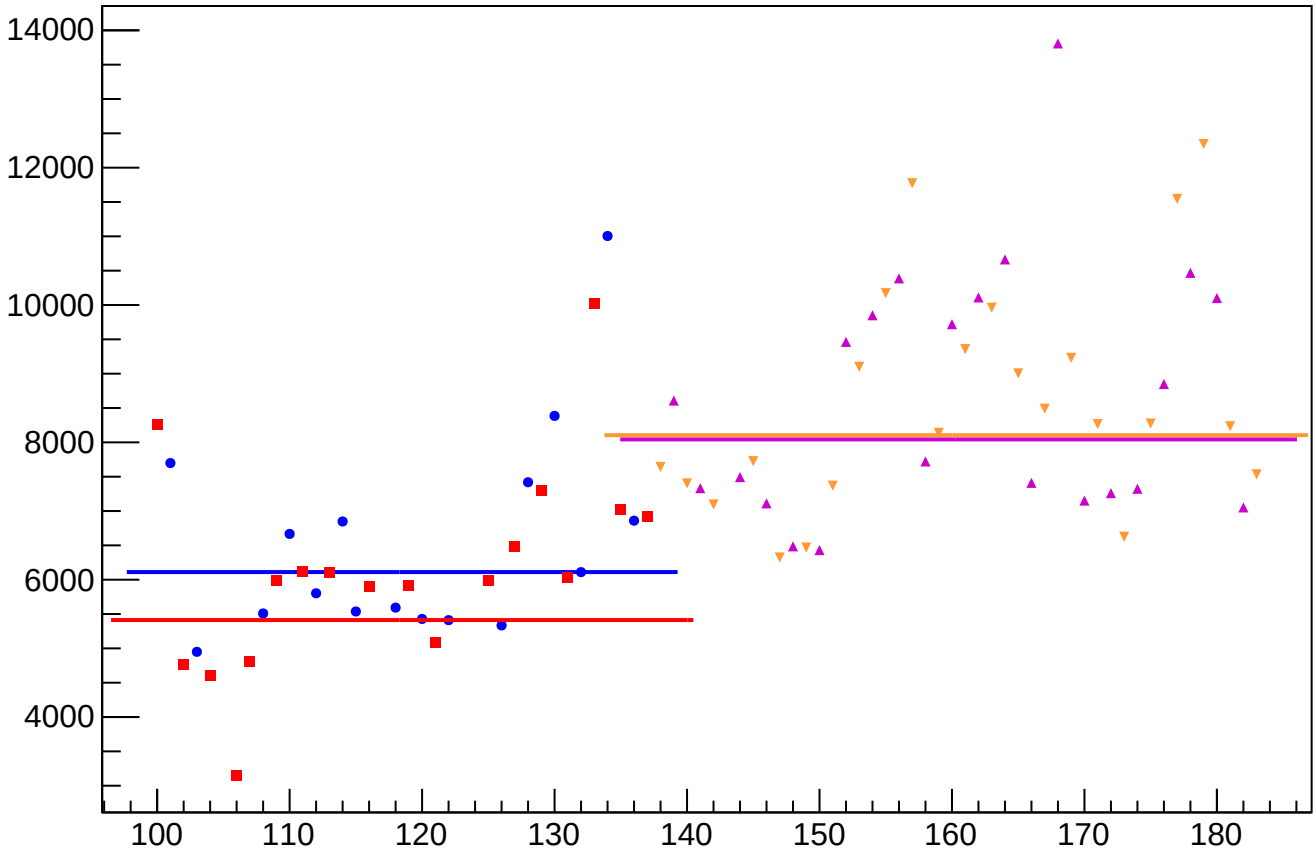
Left In: 1752.985+/-0.293 χ^2/NDF:168047.0/21

+ sign 1681.586+/-0.238 χ^2/NDF: 914326.0/38

All: 1674.677+/-0.168 χ^2/NDF: 1670699.9/78

- sign 1667.777+/-0.238 χ^2/NDF: 754685.5/39


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: 11.334+/-1936.103 χ²/NDF:27.4/22
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: -247.179+/-1933.282 χ²/NDF:13.4/21
+ sign 671.744+/-1486.489 χ²/NDF: 42.0/38
All: 344.030+/-1022.987 χ²/NDF: 71.5/78
- sign 49.182+/-1409.984 χ²/NDF: 29.4/39



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8104.803+/-1.369 χ^2/NDF:1085730.2/22

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

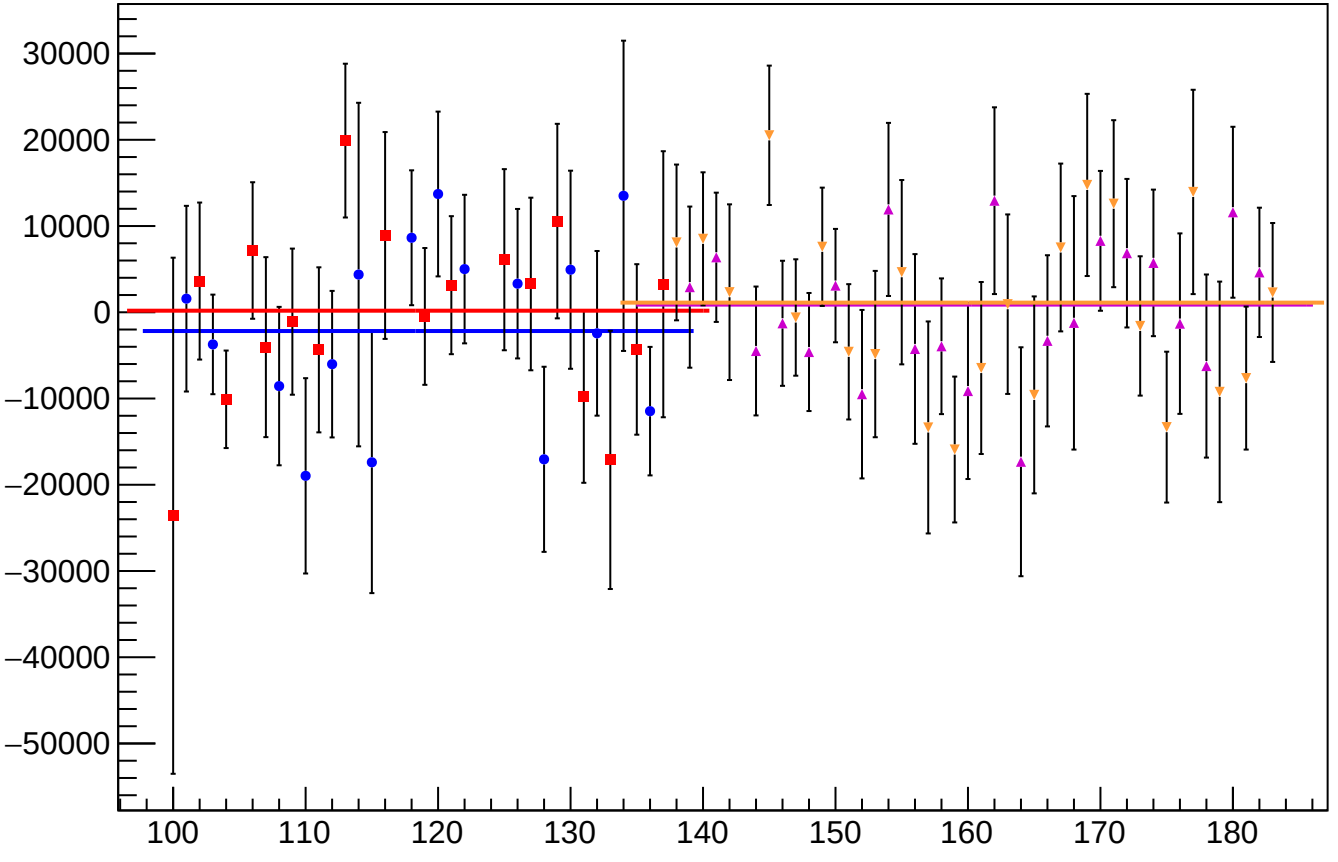
Left In: 8042.910+/-1.367 χ^2/NDF:1215424.7/21

+ sign 7286.310+/-1.051 χ^2/NDF: 2428086.8/38

All: 7036.388+/-0.723 χ^2/NDF: 6305823.1/78

- sign 6811.530+/-0.997 χ^2/NDF: 3770336.5/39

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1118.016+/-1881.921 χ^2/NDF:25.5/22

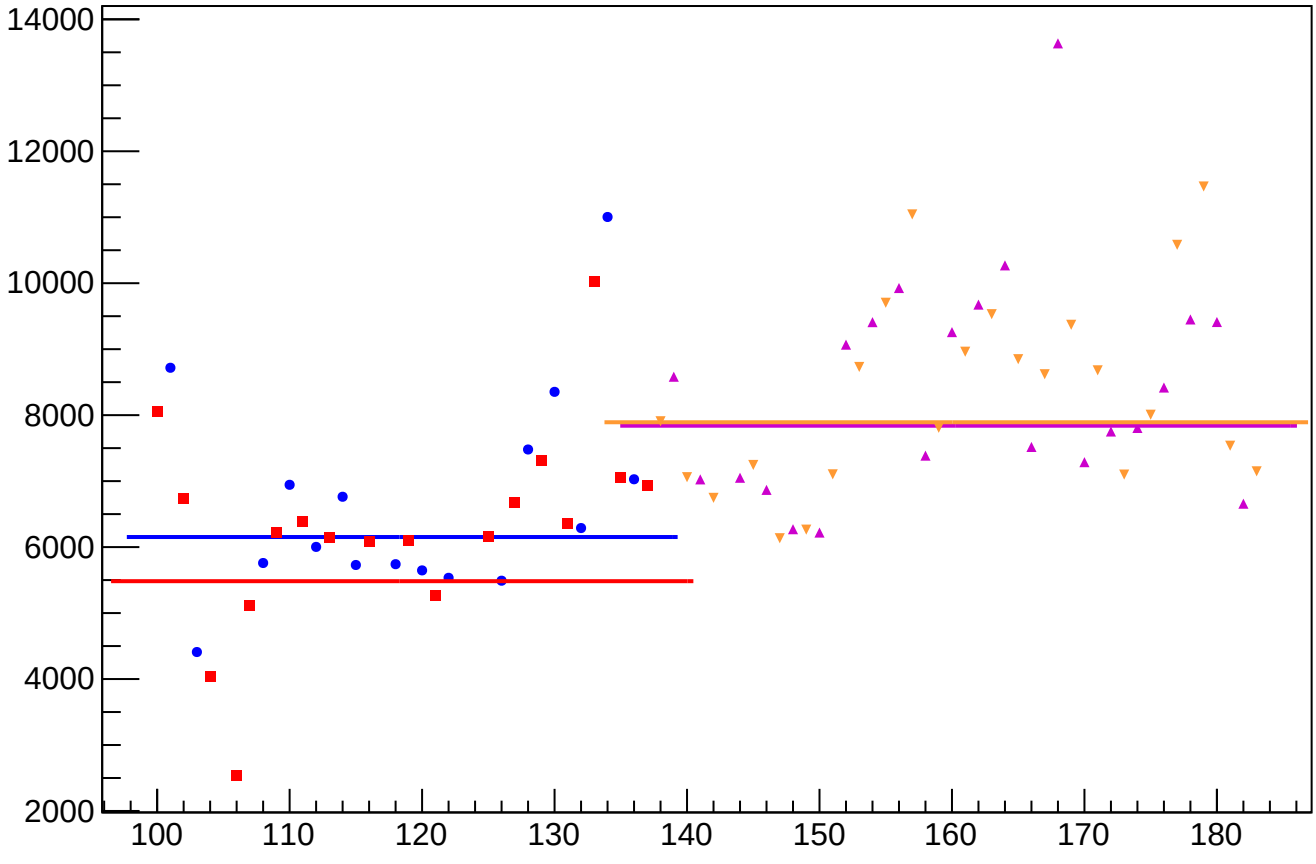
Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 889.048+/-1881.023 χ^2/NDF:12.7/21

+ sign -169.852+/-1468.376 χ^2/NDF: 41.3/38

All: 220.996+/-1027.216 χ^2/NDF: 68.8/78

- sign 595.591+/-1437.522 χ^2/NDF: 27.4/39



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7892.328+/-1.331 χ^2/NDF:983971.6/22

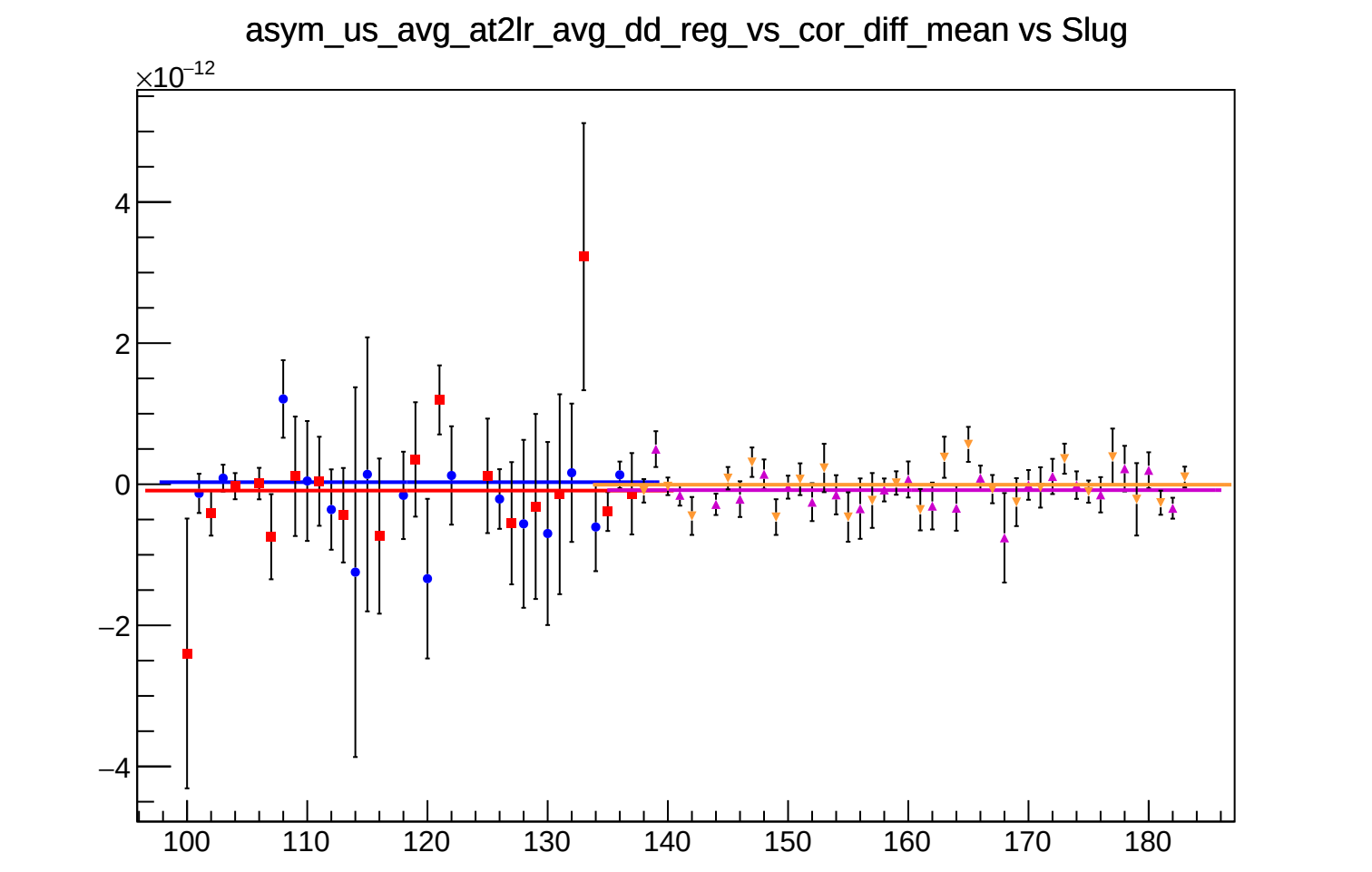
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7840.003+/-1.330 χ^2/NDF:1118307.0/21

+ sign 7211.770+/-1.038 χ^2/NDF: 2276574.7/38

All: 7007.441+/-0.721 χ^2/NDF: 5980254.5/78

- sign 6817.601+/-1.001 χ^2/NDF: 3628971.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.1/22

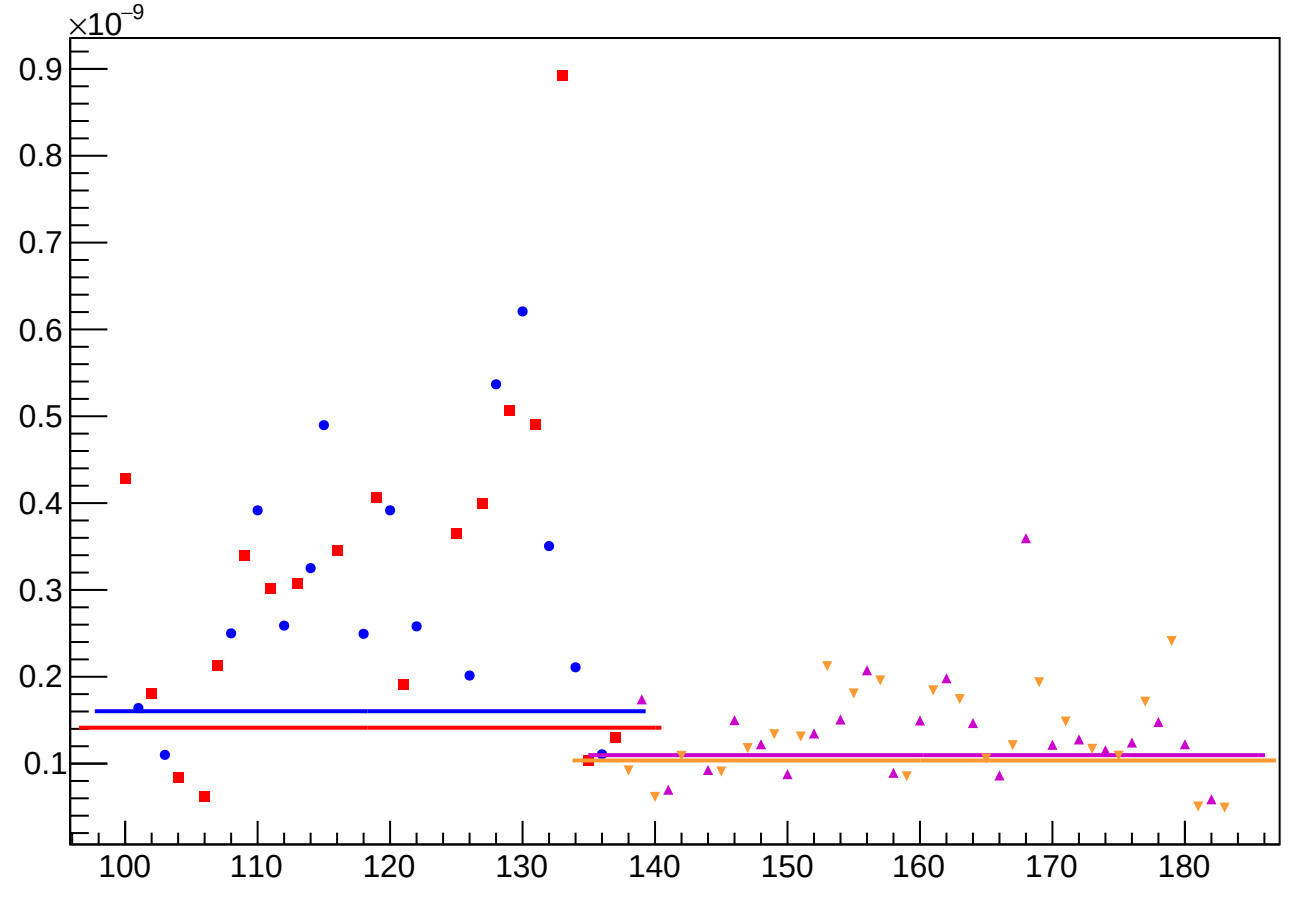
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:19.1/21

+ sign -0.000+/-0.000 χ^2/NDF: 37.8/38

All: -0.000+/-0.000 χ^2/NDF: 75.4/78

- sign -0.000+/-0.000 χ^2/NDF: 35.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1903004.4/22

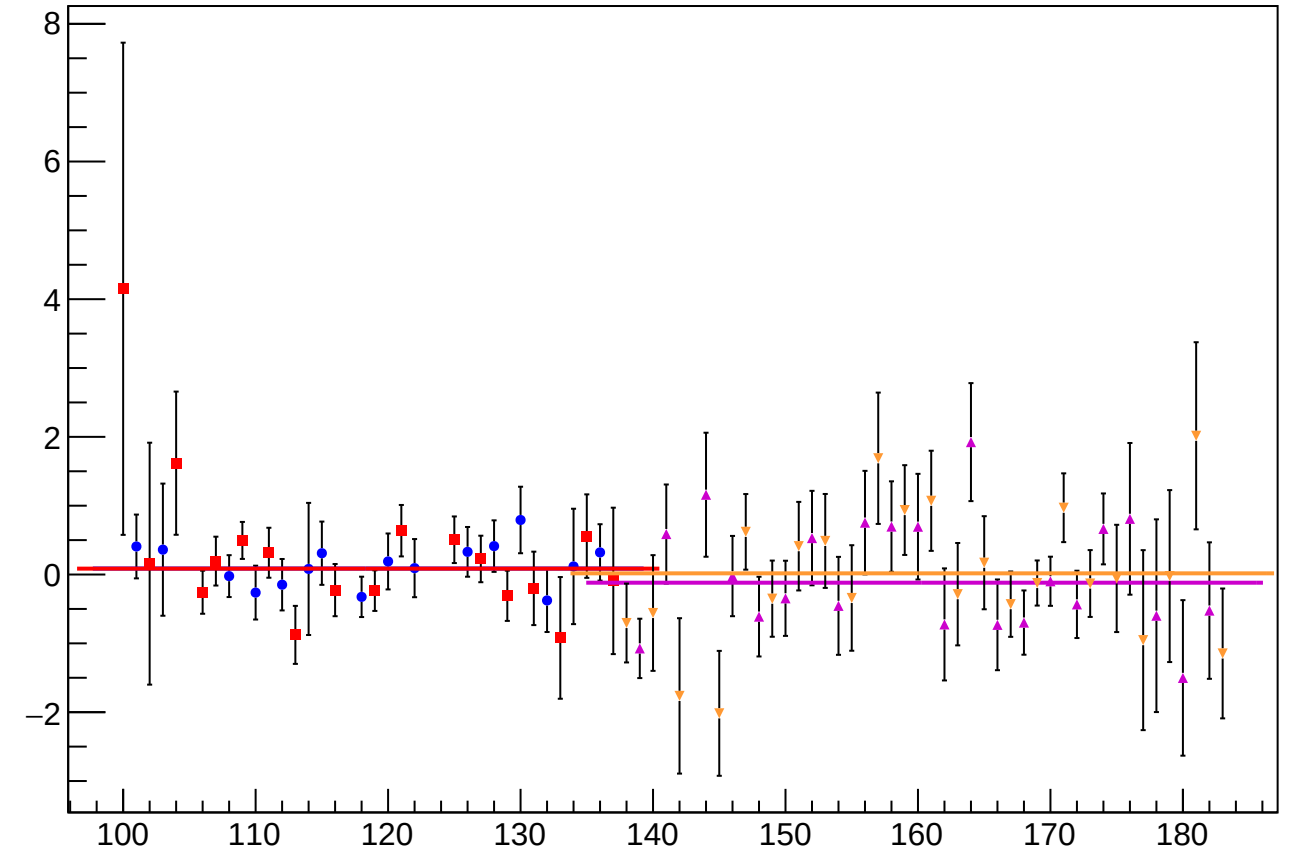
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1445746.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 3738365.0/38

All: 0.000+/-0.000 χ^2/NDF: 7512520.3/78

- sign 0.000+/-0.000 χ^2/NDF: 3769928.3/39



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.017+/-0.135 χ^2/NDF:28.7/22

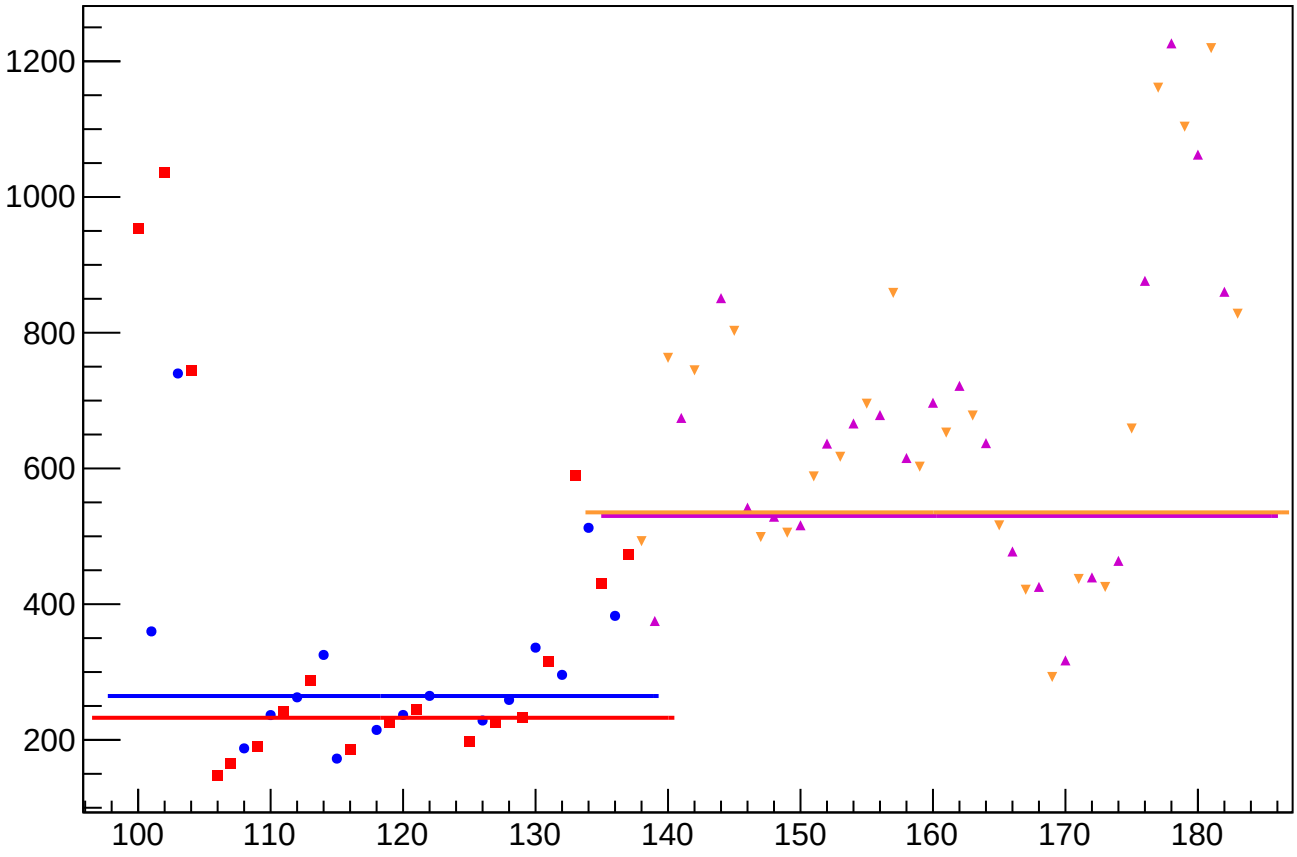
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.119+/-0.133 χ^2/NDF:27.8/21

+ sign 0.061+/-0.083 χ^2/NDF: 37.7/38

All: 0.036+/-0.057 χ^2/NDF: 89.0/78

- sign 0.014+/-0.079 χ^2/NDF: 51.1/39



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 535.286+/-0.095 χ^2/NDF:3936065.6/22

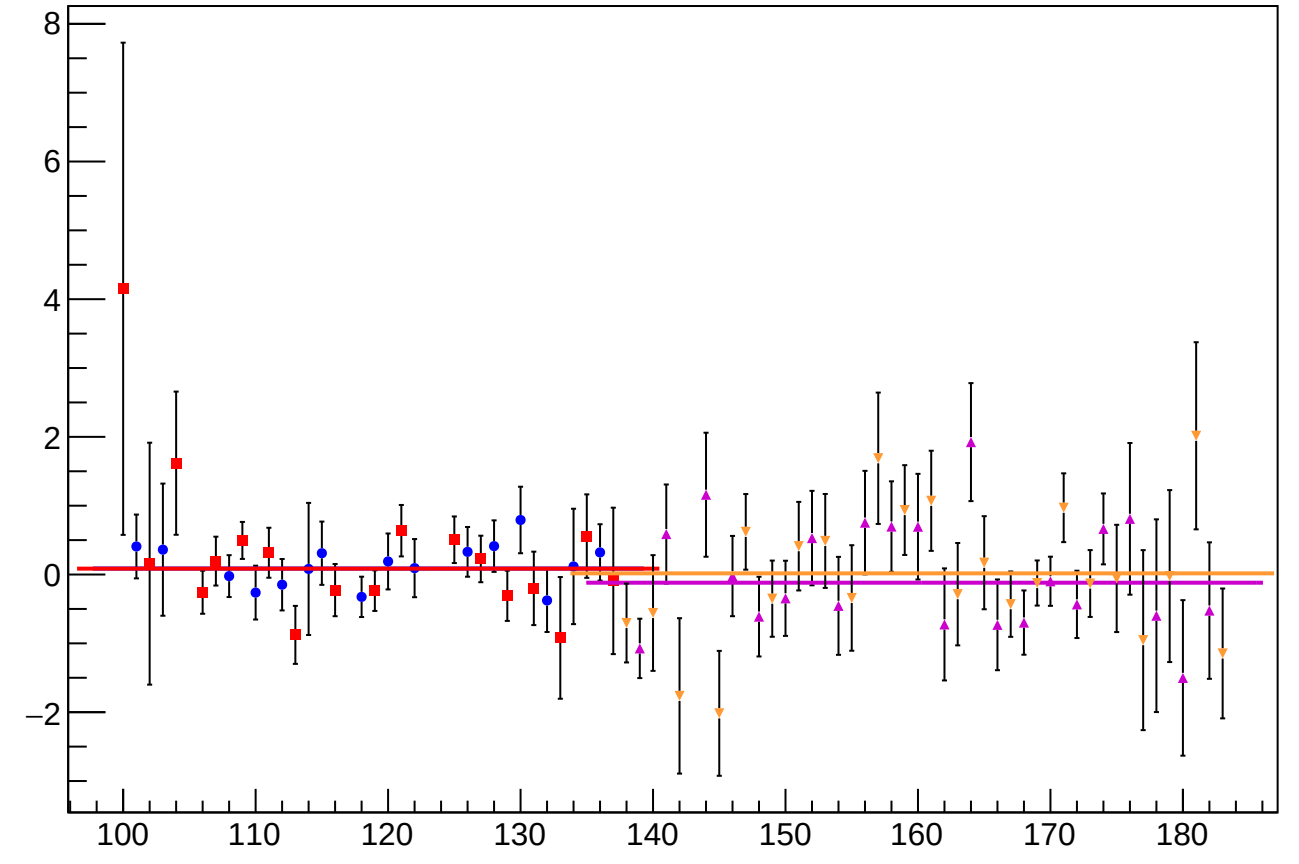
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 530.021+/-0.094 χ^2/NDF:3348774.8/21

+ sign 367.127+/-0.059 χ^2/NDF: 10242551.8/38

All: 350.829+/-0.040 χ^2/NDF: 22273353.4/78

- sign 336.161+/-0.056 χ^2/NDF: 11883690.6/39



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.017+/-0.135 χ^2/NDF:28.7/22

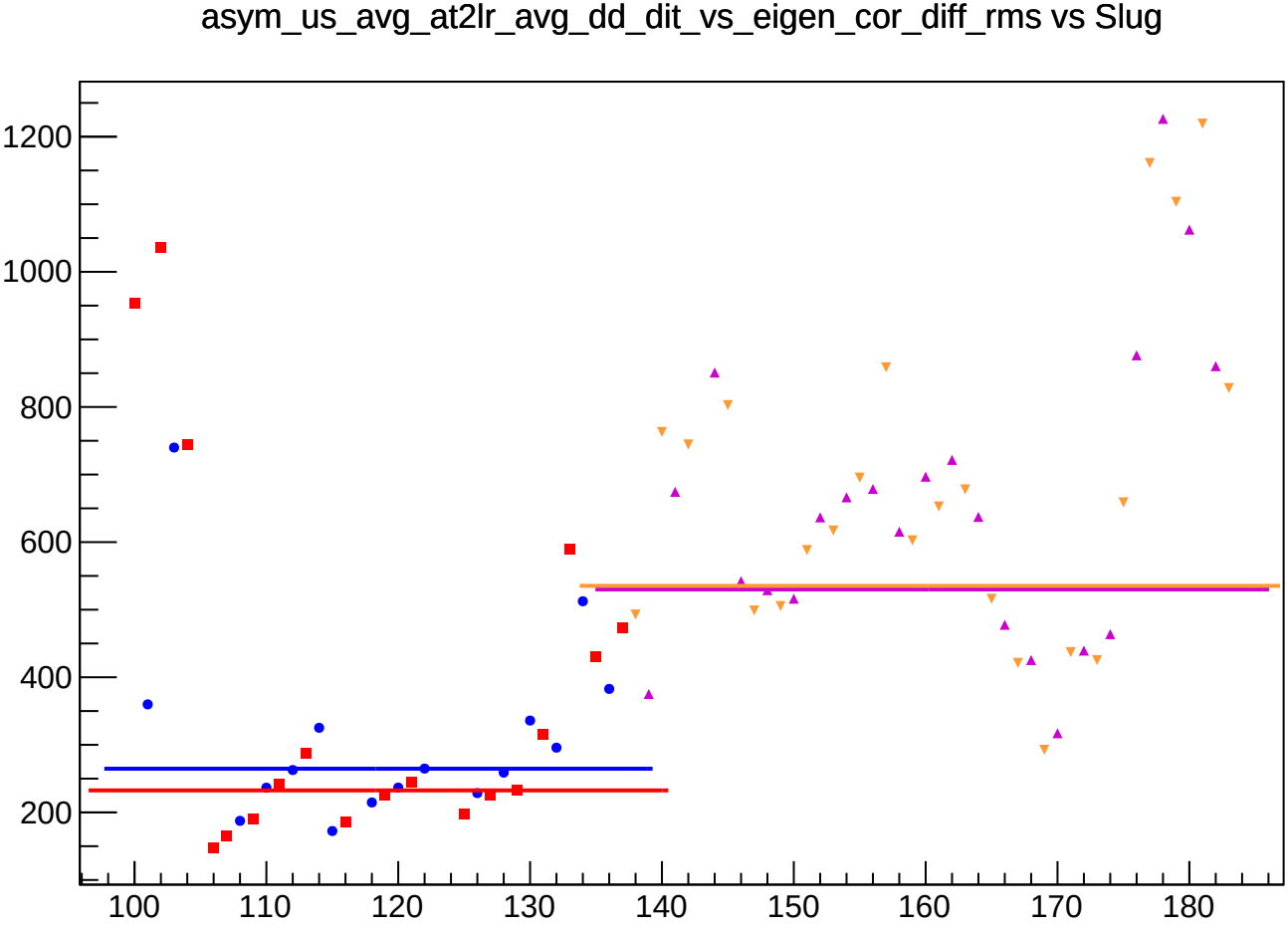
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.119+/-0.133 χ^2/NDF:27.8/21

+ sign 0.061+/-0.083 χ^2/NDF: 37.7/38

All: 0.036+/-0.057 χ^2/NDF: 89.0/78

- sign 0.014+/-0.079 χ^2/NDF: 51.1/39


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
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120
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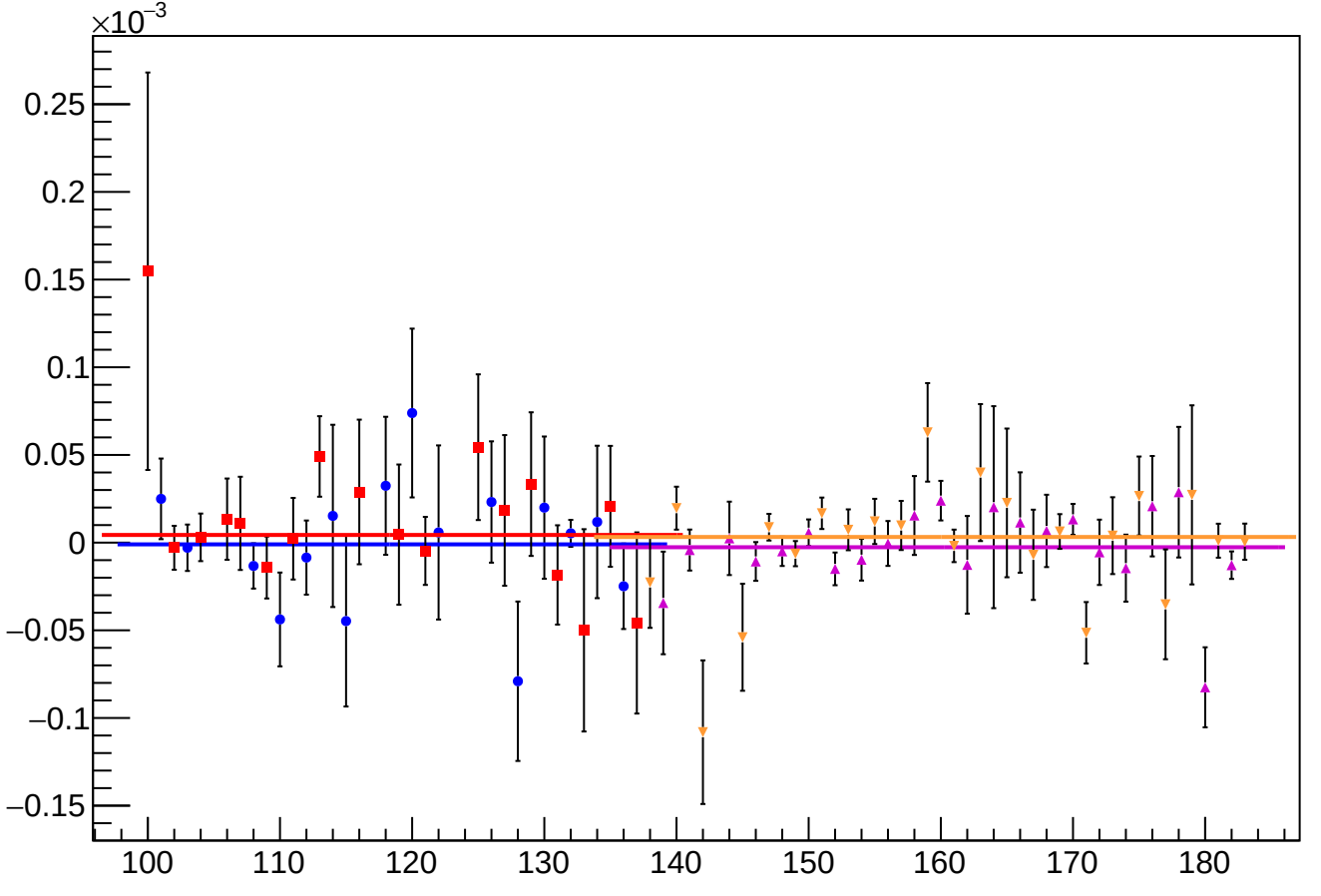
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 535.286+/-0.095 χ²/NDF:3936065.6/22
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 530.021+/-0.094 χ²/NDF:3348774.8/21
+ sign 367.127+/-0.059 χ²/NDF: 10242551.8/38
All: 350.829+/-0.040 χ²/NDF: 22273353.4/78
- sign 336.161+/-0.056 χ²/NDF: 11883690.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.9/22

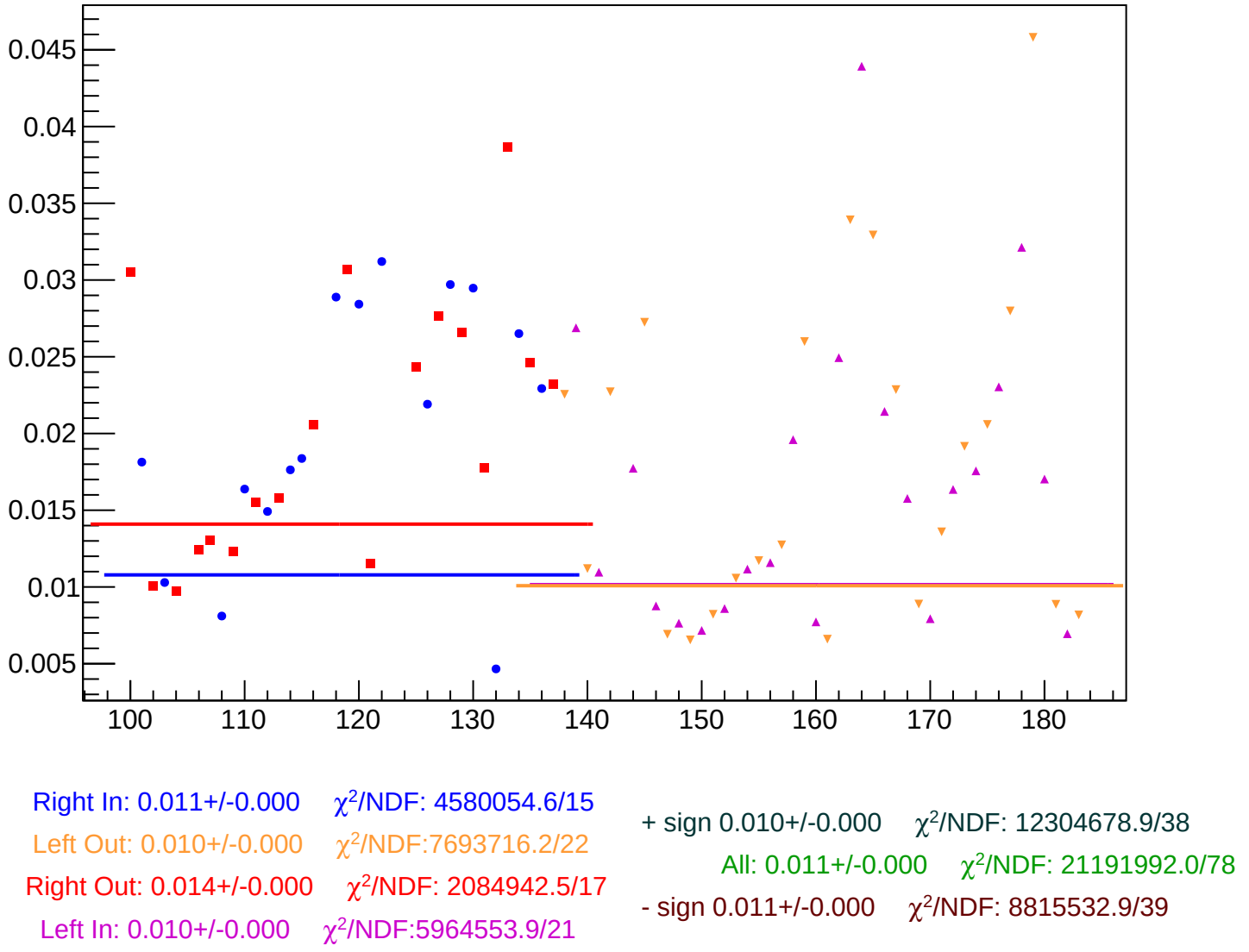
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

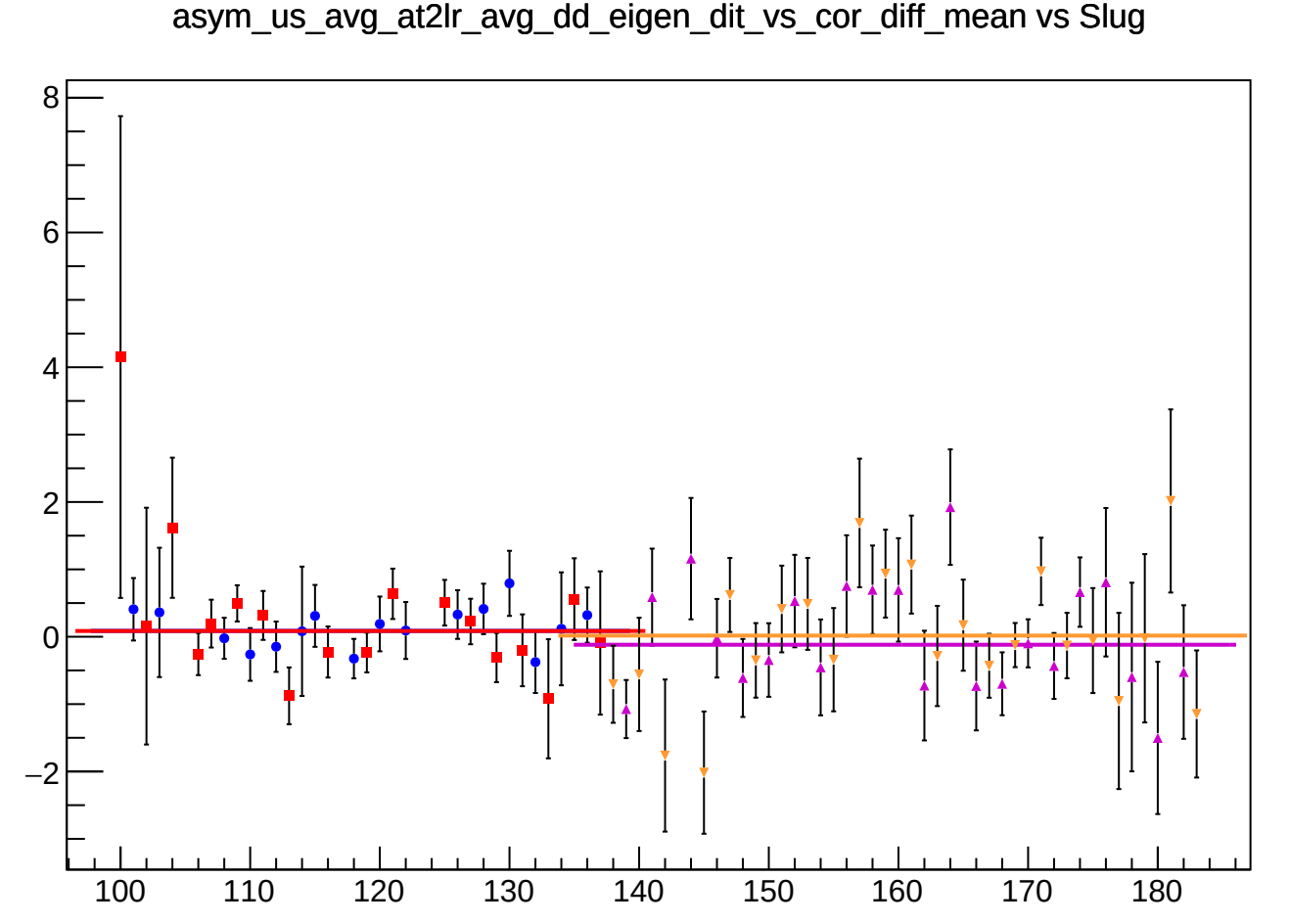
Left In: -0.000+/-0.000 χ^2/NDF:31.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/38

All: 0.000+/-0.000 χ^2/NDF: 98.7/78

- sign -0.000+/-0.000 χ^2/NDF: 44.9/39


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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
170
180
Right In: 0.011+/-0.000 χ²/NDF: 4580054.6/15
Left Out: 0.010+/-0.000 χ²/NDF:7693716.2/22
Right Out: 0.014+/-0.000 χ²/NDF: 2084942.5/17
Left In: 0.010+/-0.000 χ²/NDF:5964553.9/21
+ sign 0.010+/-0.000 χ²/NDF: 12304678.9/38
All: 0.011+/-0.000 χ²/NDF: 21191992.0/78
- sign 0.011+/-0.000 χ²/NDF: 8815532.9/39



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.017+/-0.135 χ^2/NDF:28.7/22

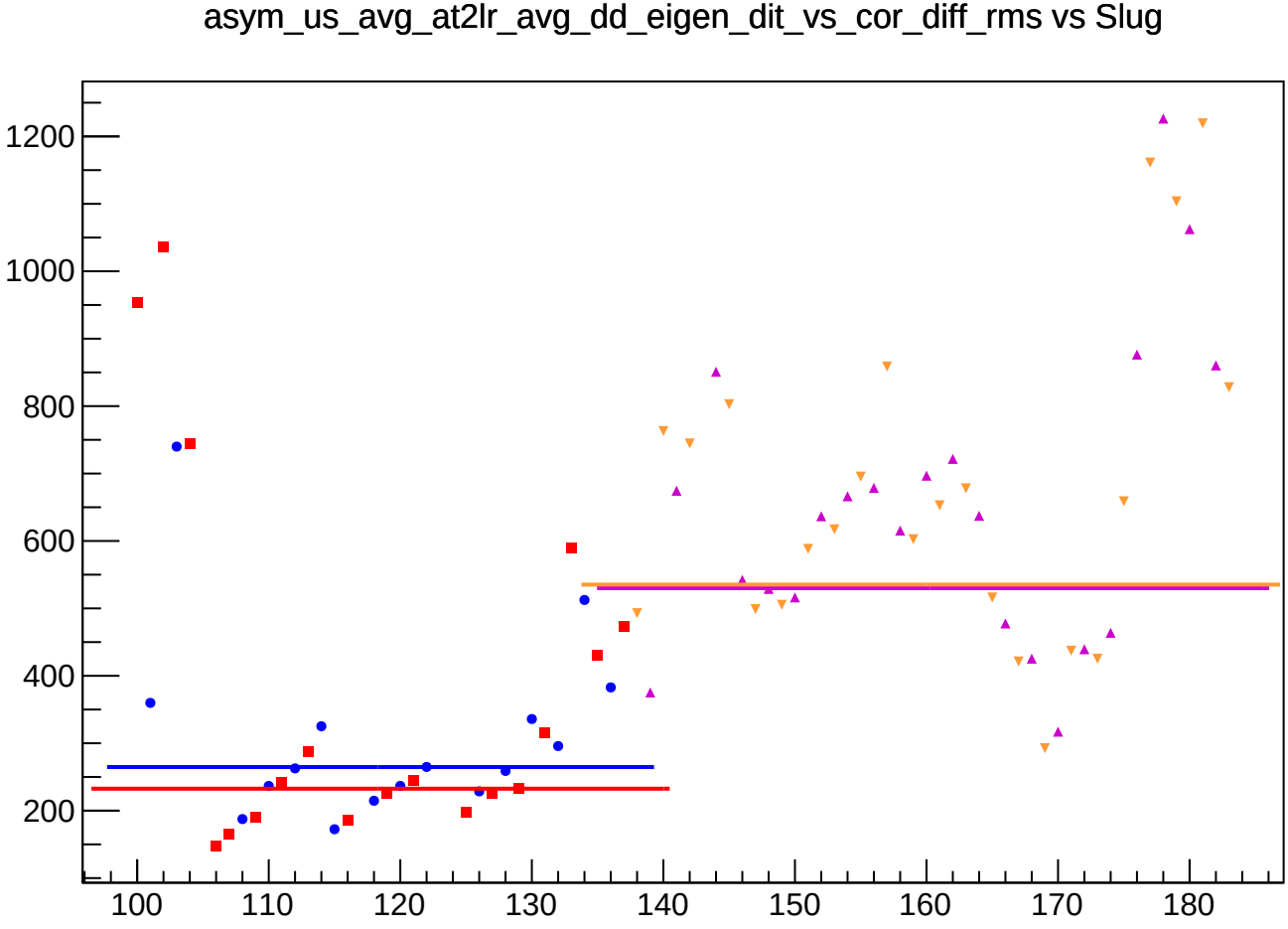
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.119+/-0.133 χ^2/NDF:27.8/21

\+ sign 0.061+/-0.083 χ^2/NDF: 37.7/38

All: 0.036+/-0.057 χ^2/NDF: 89.0/78

\- sign 0.014+/-0.079 χ^2/NDF: 51.1/39



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 535.287+/-0.095 χ^2/NDF:3936242.0/22

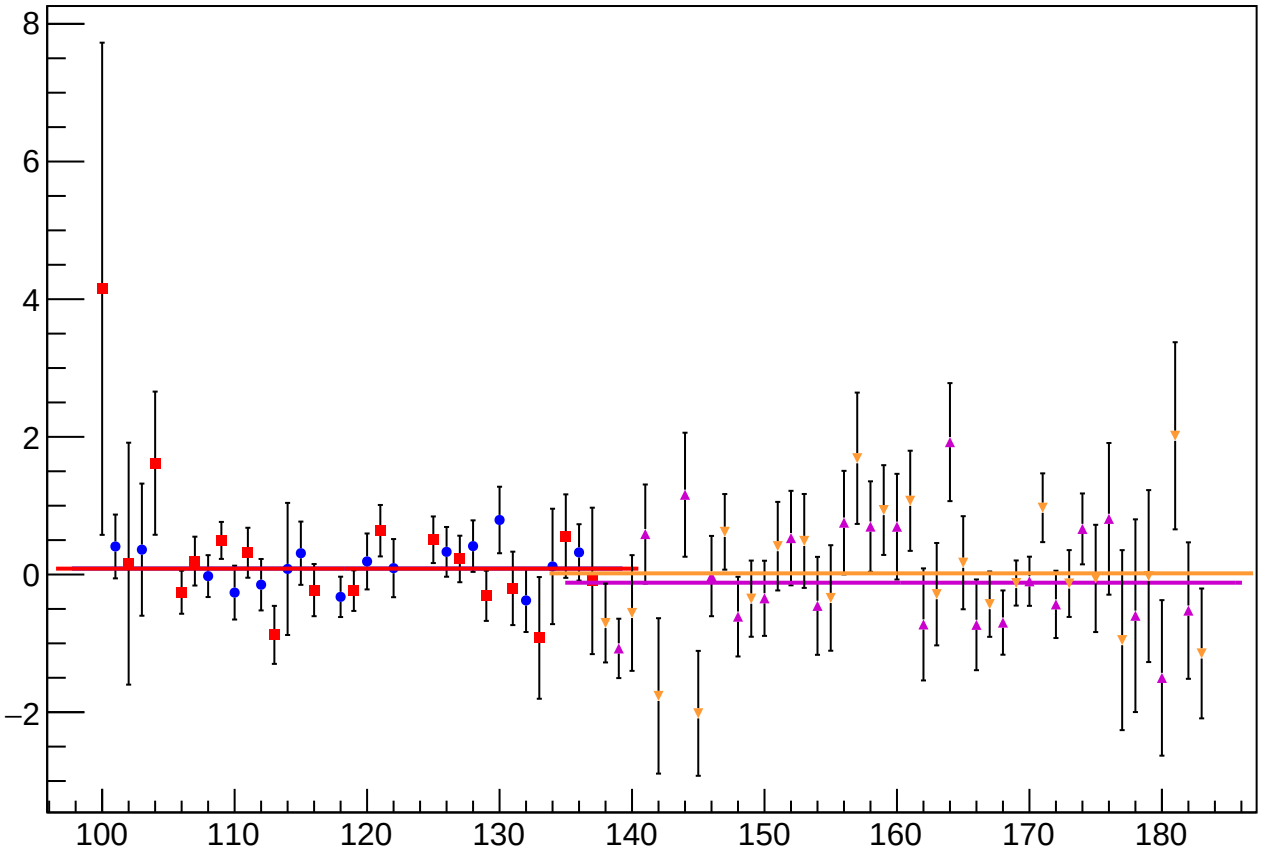
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 530.024+/-0.094 χ^2/NDF:3348857.7/21

+ sign 367.126+/-0.059 χ^2/NDF: 10242704.8/38

All: 350.830+/-0.040 χ^2/NDF: 22273605.7/78

- sign 336.161+/-0.056 χ^2/NDF: 11883804.0/39



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.017+/-0.135 χ^2/NDF:28.7/22

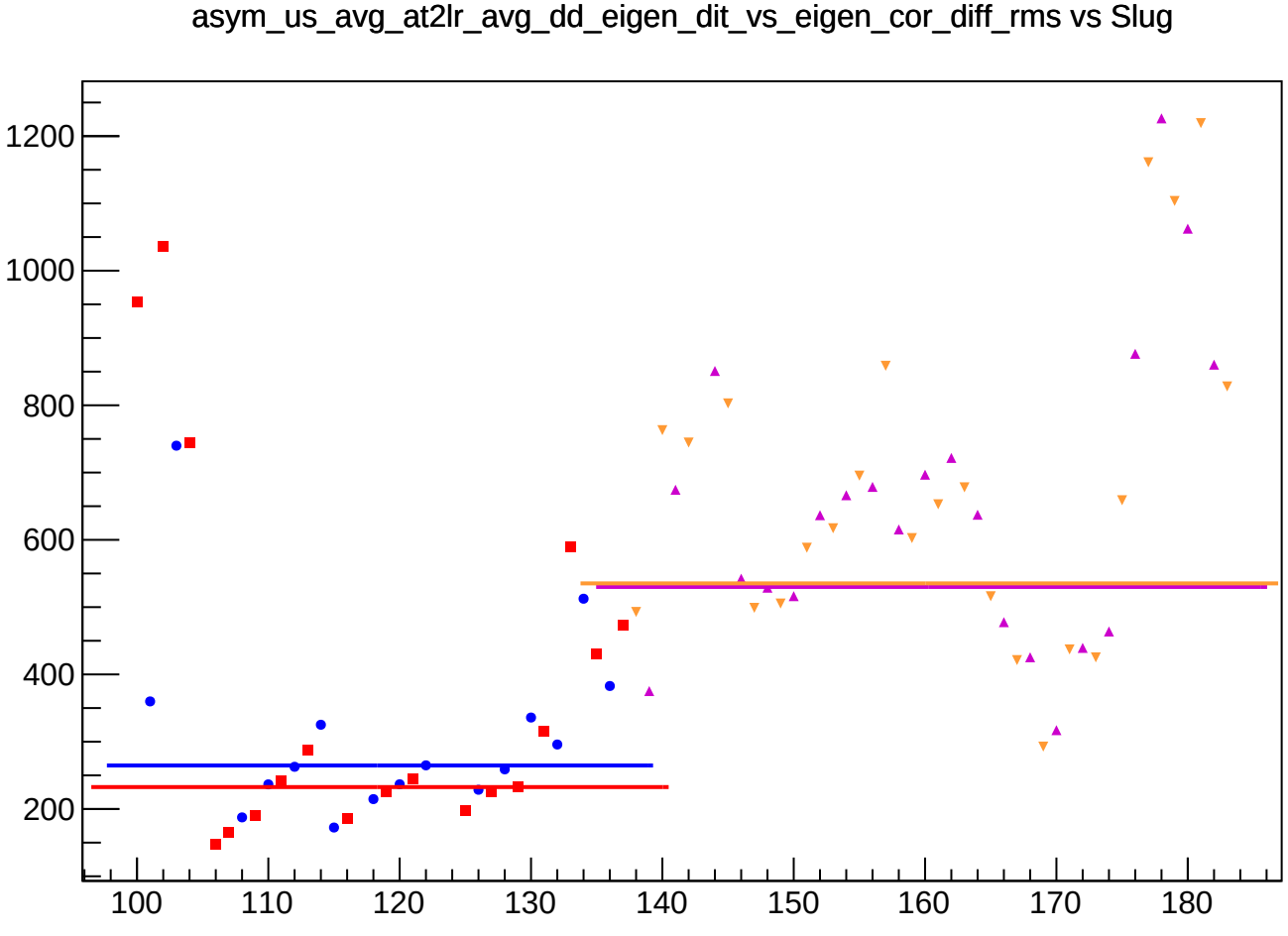
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.119+/-0.133 χ^2/NDF:27.8/21

\+ sign 0.061+/-0.083 χ^2/NDF: 37.7/38

All: 0.036+/-0.057 χ^2/NDF: 89.0/78

\- sign 0.014+/-0.079 χ^2/NDF: 51.1/39


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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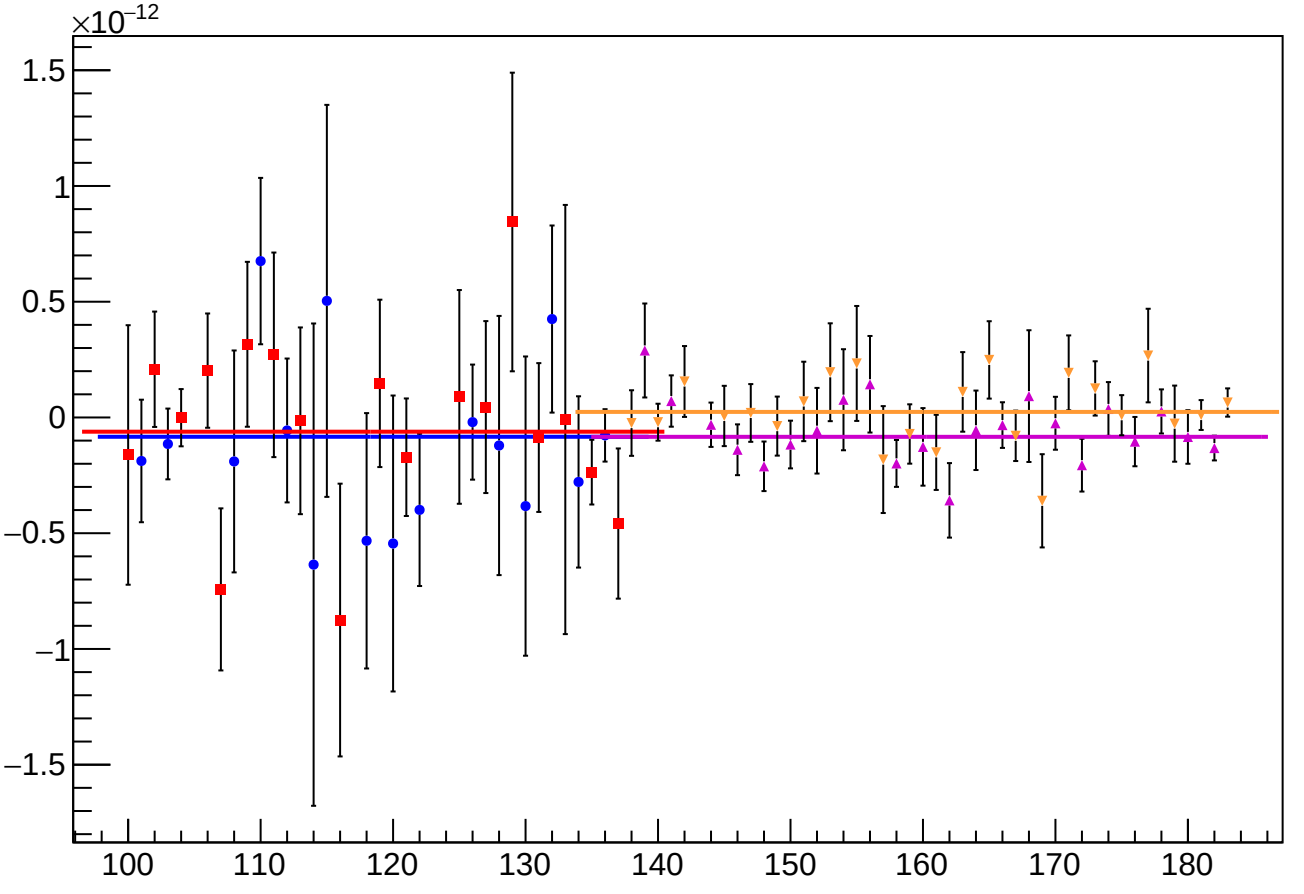
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 535.287+/-0.095 χ²/NDF:3936242.0/22
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 530.024+/-0.094 χ²/NDF:3348857.7/21
+ sign 367.126+/-0.059 χ²/NDF: 10242704.8/38
All: 350.830+/-0.040 χ²/NDF: 22273605.7/78
- sign 336.161+/-0.056 χ²/NDF: 11883804.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/22

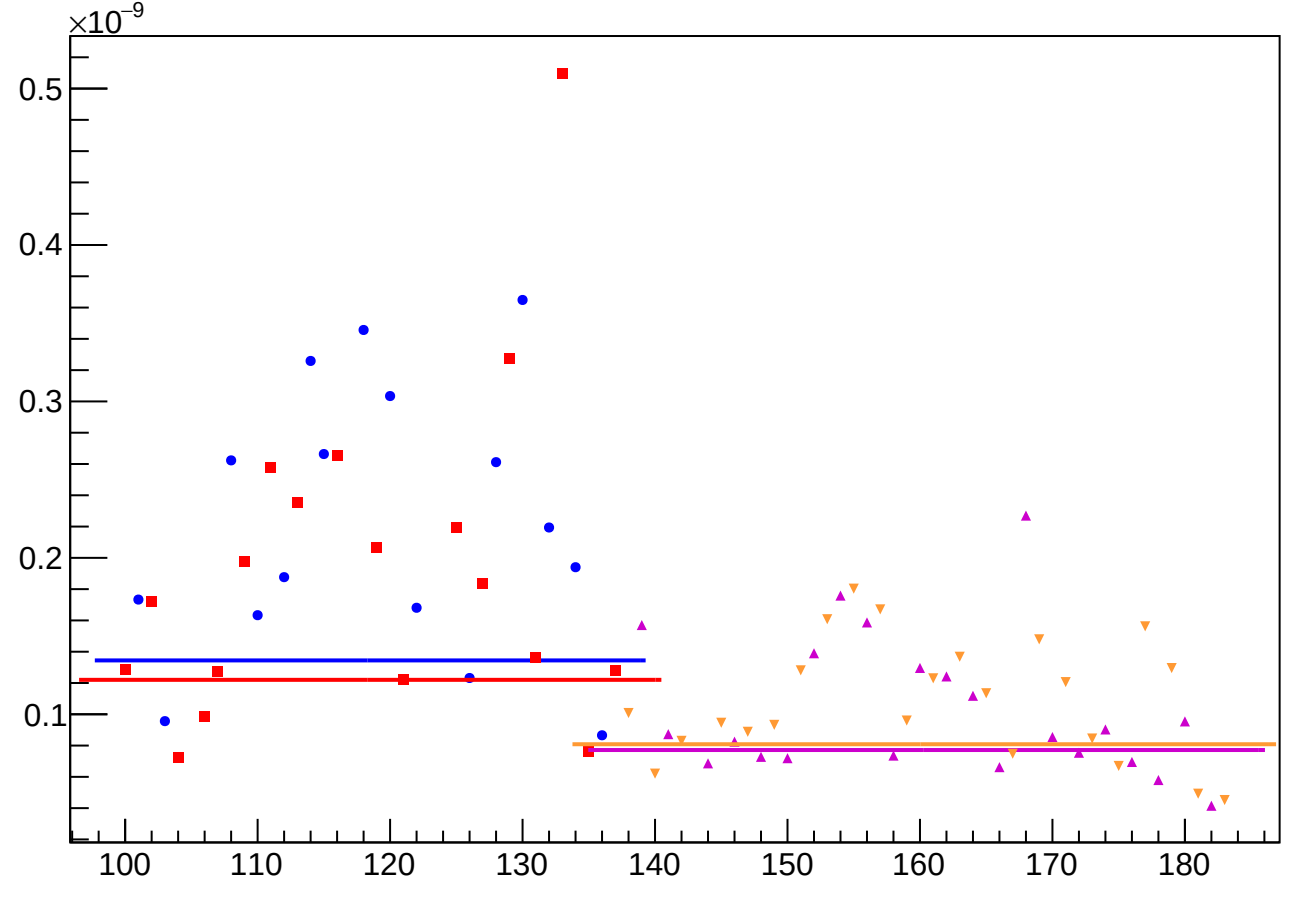
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:18.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 27.7/38

All: -0.000+/-0.000 χ^2/NDF: 70.4/78

- sign -0.000+/-0.000 χ^2/NDF: 34.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3705486.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

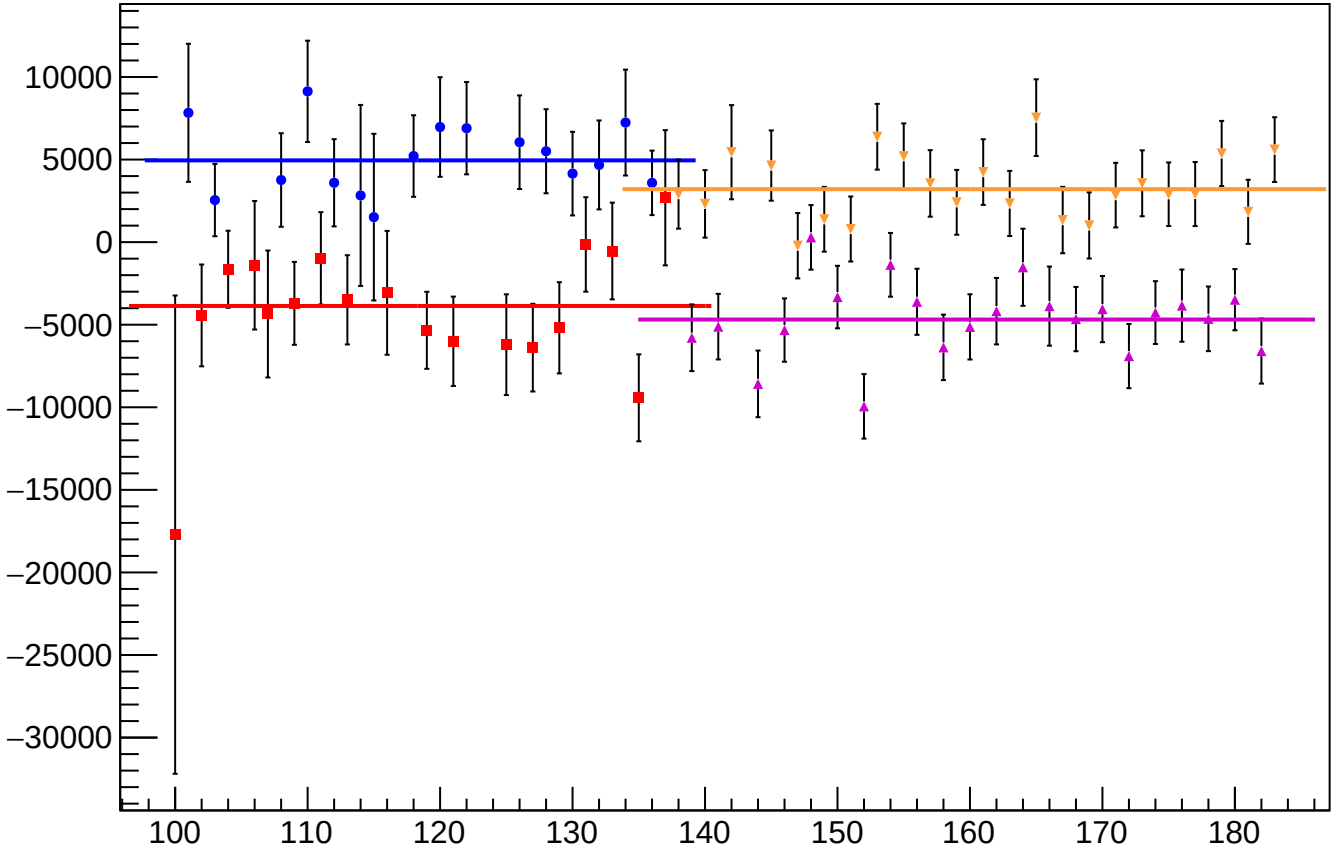
Left In: 0.000+/-0.000 χ^2/NDF:3391465.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 6588205.5/38

All: 0.000+/-0.000 χ^2/NDF: 12868486.0/78

- sign 0.000+/-0.000 χ^2/NDF: 6244163.3/39

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3207.351+/-421.847 χ^2/NDF:19.7/22

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

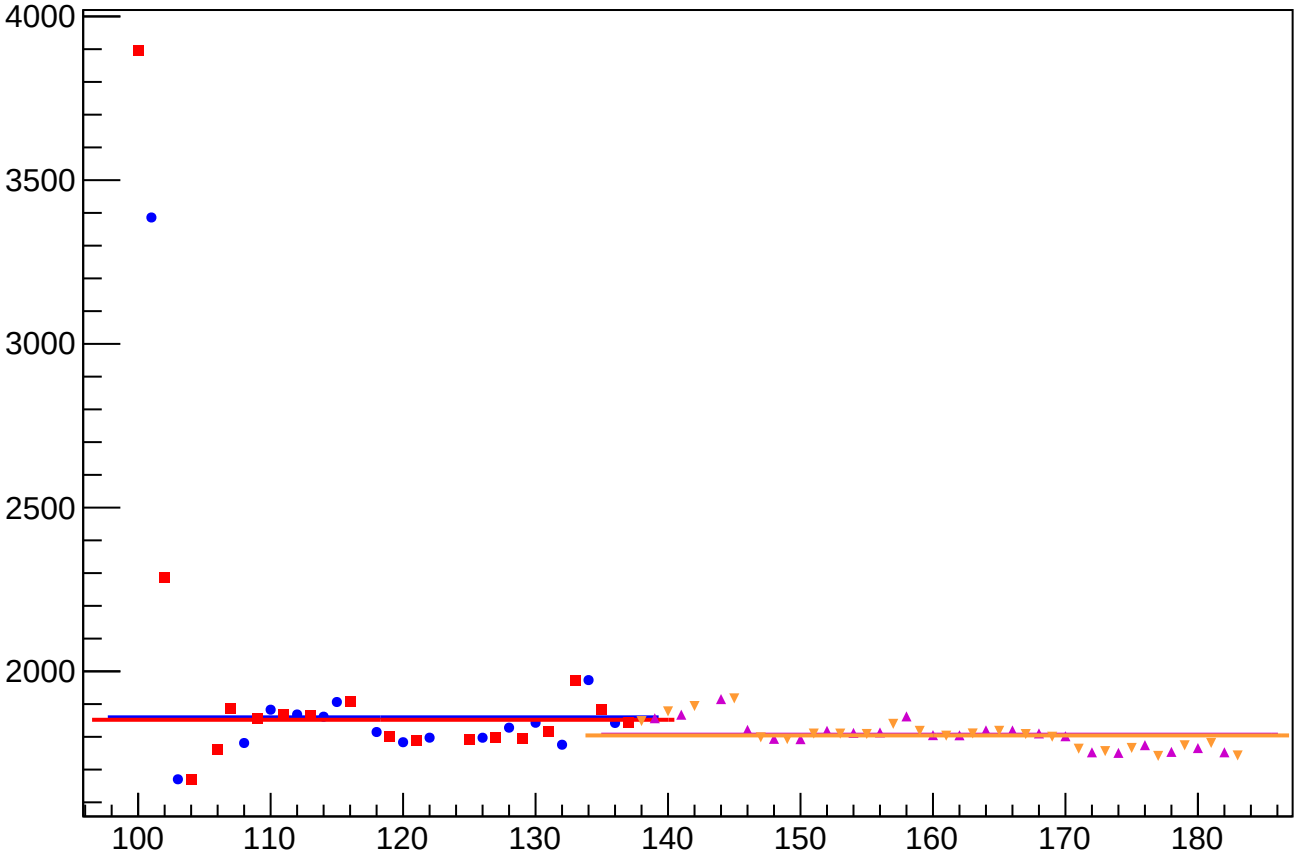
Left In: -4686.938+/-425.394 χ^2/NDF:27.4/21

+ sign 3672.745+/-361.163 χ^2/NDF: 31.1/38

All: -375.376+/-256.005 χ^2/NDF: 328.2/78

- sign -4463.335+/-362.936 χ^2/NDF: 44.6/39

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1804.295+/-0.298 χ^2/NDF:19613.6/22

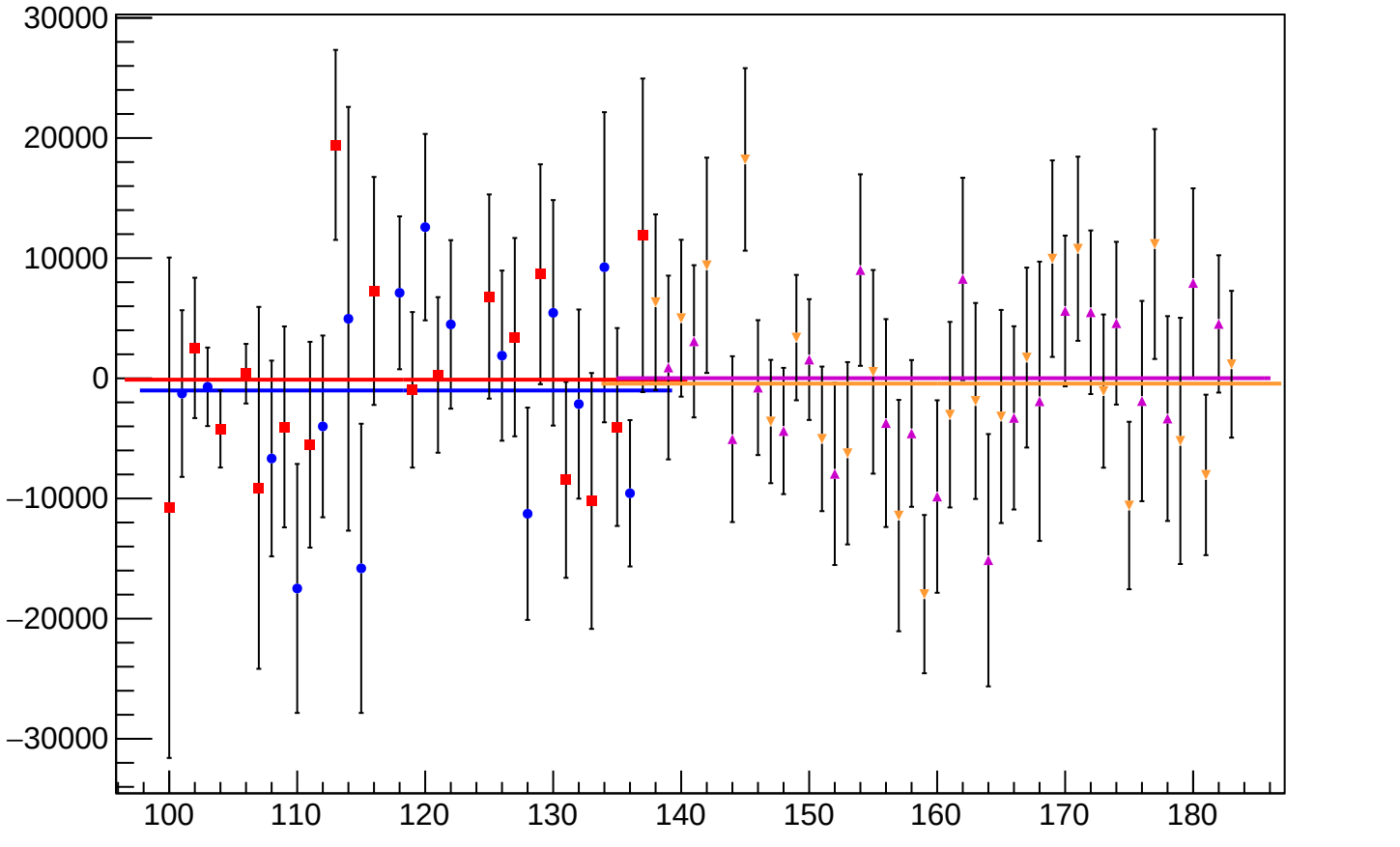
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1806.578+/-0.301 χ^2/NDF:18651.9/21

+ sign 1819.038+/-0.255 χ^2/NDF: 321096.8/38

All: 1819.024+/-0.181 χ^2/NDF: 448210.9/78

- sign 1819.009+/-0.256 χ^2/NDF: 127114.1/39



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -438.310+/-1493.065 χ^2/NDF:28.5/22

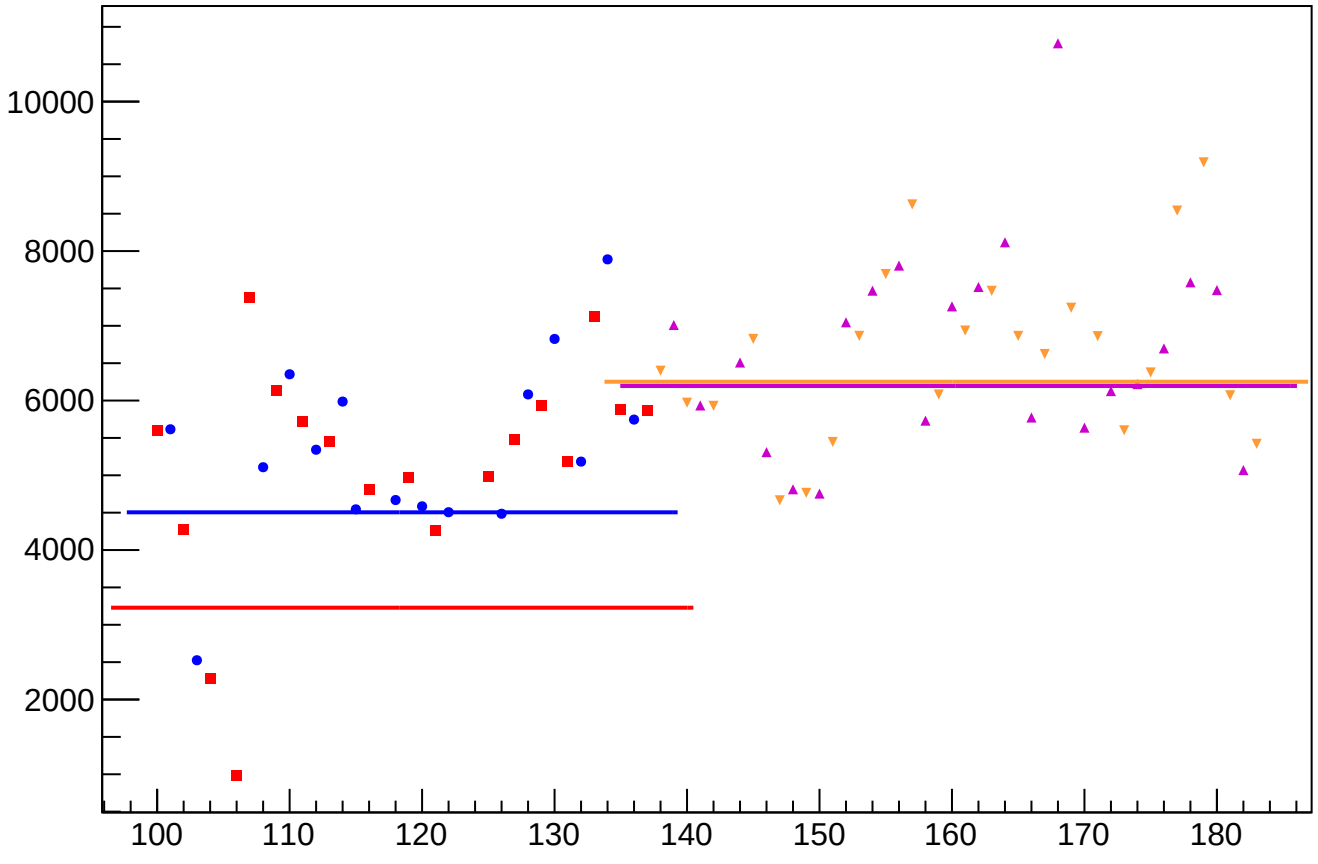
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 12.837+/-1489.212 χ^2/NDF:13.2/21

+ sign -677.018+/-1139.691 χ^2/NDF: 43.3/38

All: -334.032+/-766.055 χ^2/NDF: 71.4/78

- sign -51.360+/-1034.642 χ^2/NDF: 27.9/39



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6251.831+/-1.056 χ^2/NDF:1056769.0/22

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

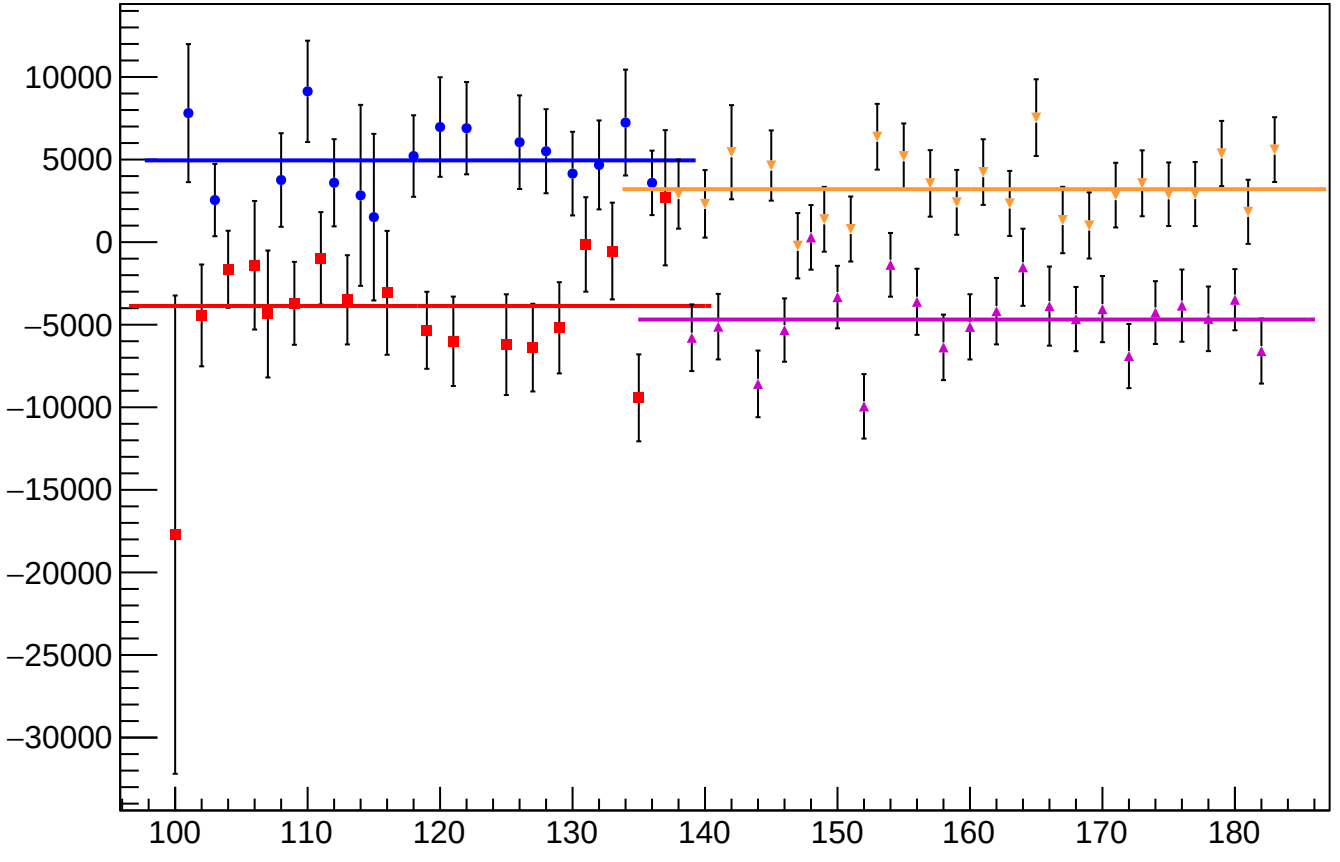
Left In: 6194.646+/-1.053 χ^2/NDF:1216007.7/21

+ sign 5522.723+/-0.806 χ^2/NDF: 3520666.8/38

All: 5049.932+/-0.542 χ^2/NDF: 13425069.0/7

- sign 4660.281+/-0.732 χ^2/NDF: 9276553.0/39

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3207.291+/-421.847 χ^2/NDF:19.7/22

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

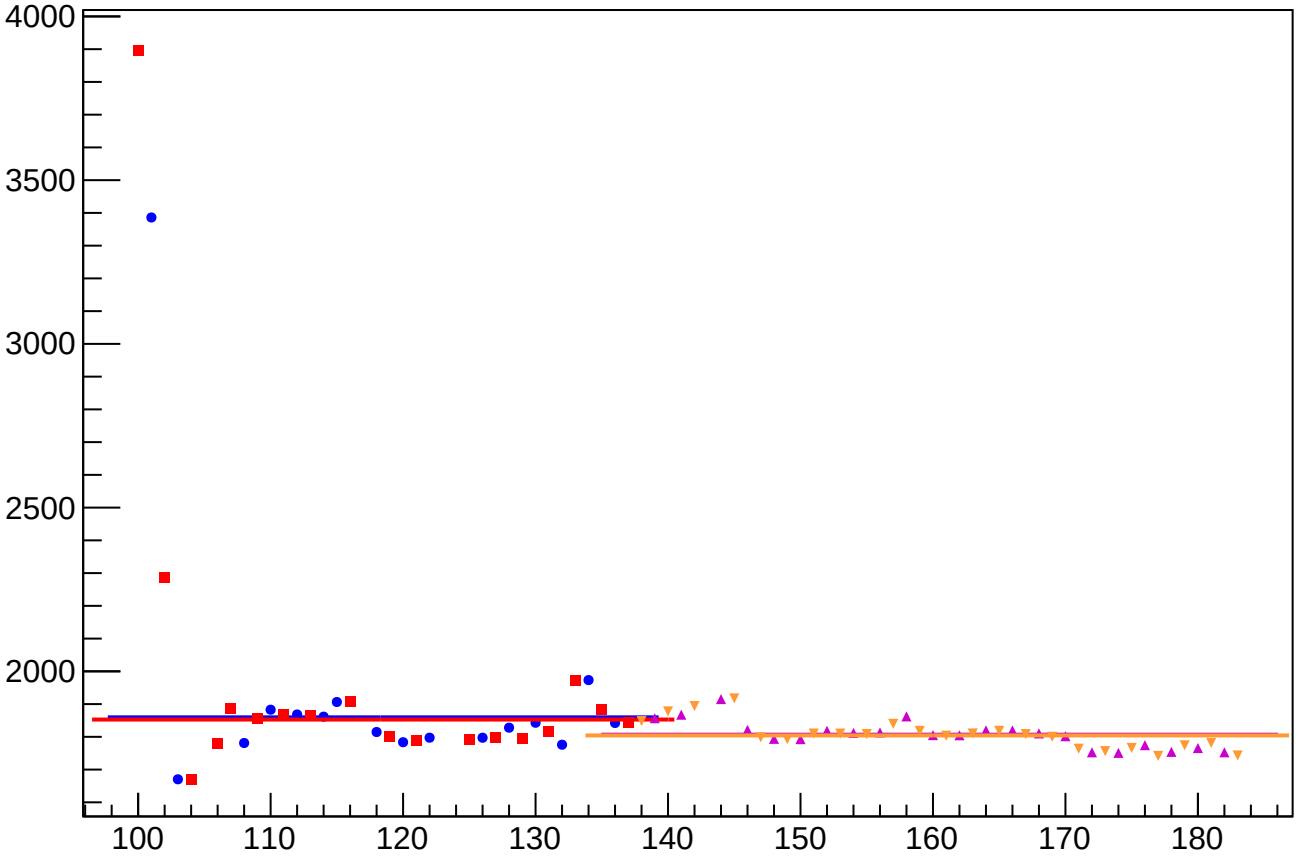
Left In: -4686.941+/-425.394 χ^2/NDF:27.4/21

+ sign 3672.572+/-361.163 χ^2/NDF: 31.1/38

All: -375.435+/-256.005 χ^2/NDF: 328.2/78

- sign -4463.279+/-362.936 χ^2/NDF: 44.6/39

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1804.295+/-0.298 χ^2/NDF:19613.6/22

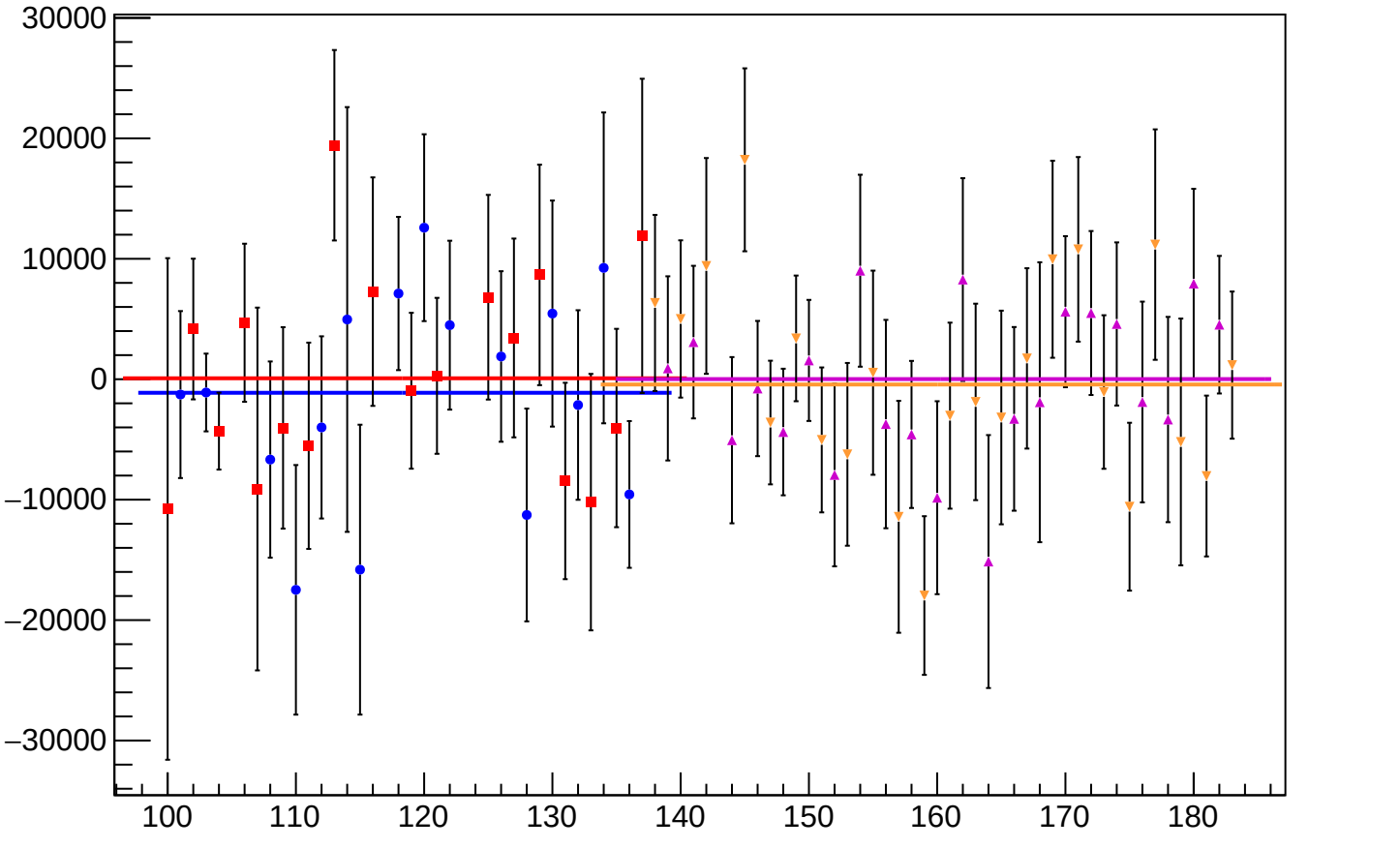
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1806.578+/-0.301 χ^2/NDF:18651.9/21

+ sign 1819.038+/-0.255 χ^2/NDF: 321098.6/38

All: 1819.117+/-0.181 χ^2/NDF: 447943.2/78

- sign 1819.196+/-0.256 χ^2/NDF: 126844.4/39



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -438.307+/-1493.065 χ^2/NDF:28.5/22

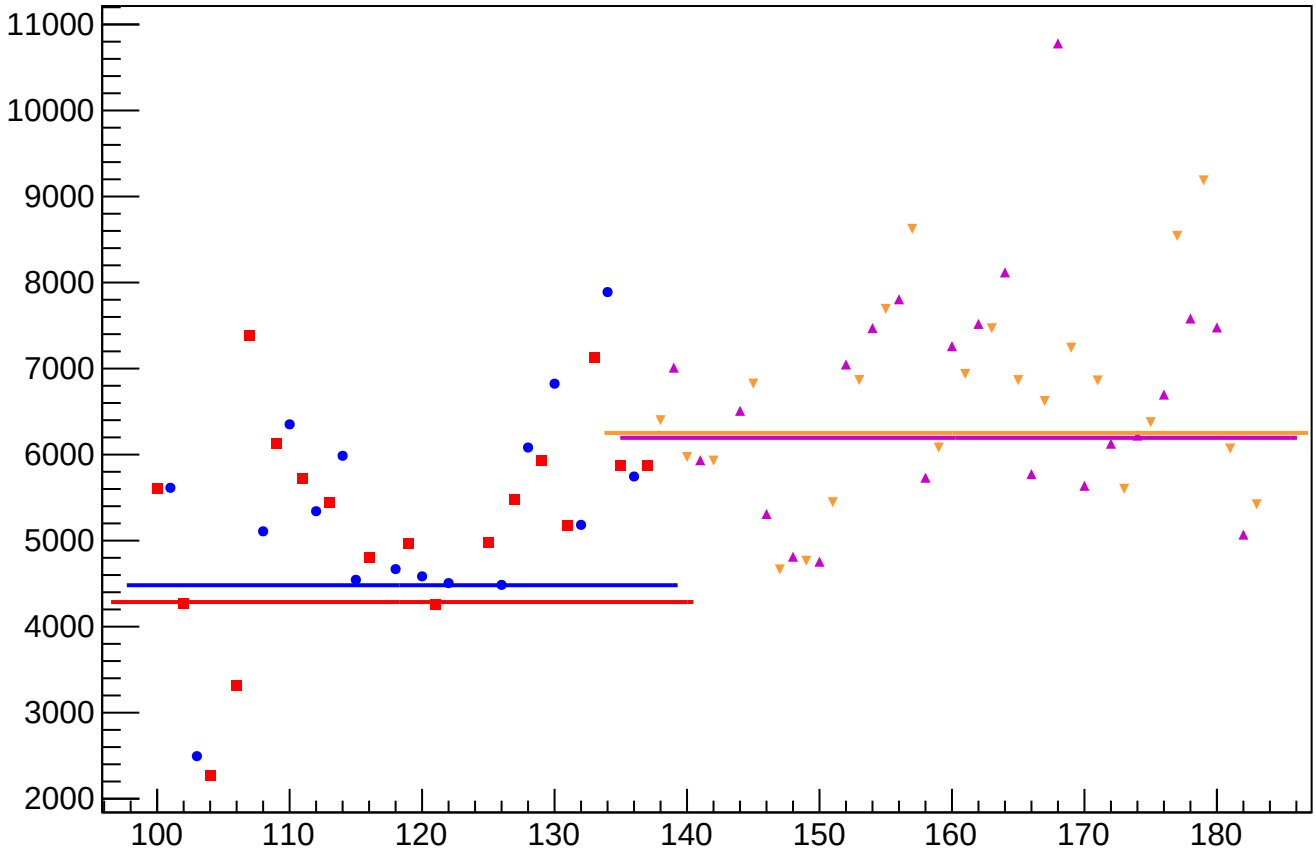
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 12.778+/-1489.211 χ^2/NDF:13.2/21

+ sign -726.324+/-1137.986 χ^2/NDF: 43.4/38

All: -336.768+/-798.563 χ^2/NDF: 72.4/78

- sign 41.168+/-1120.885 χ^2/NDF: 28.8/39



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6251.829+/-1.056 χ^2/NDF:1056775.9/22

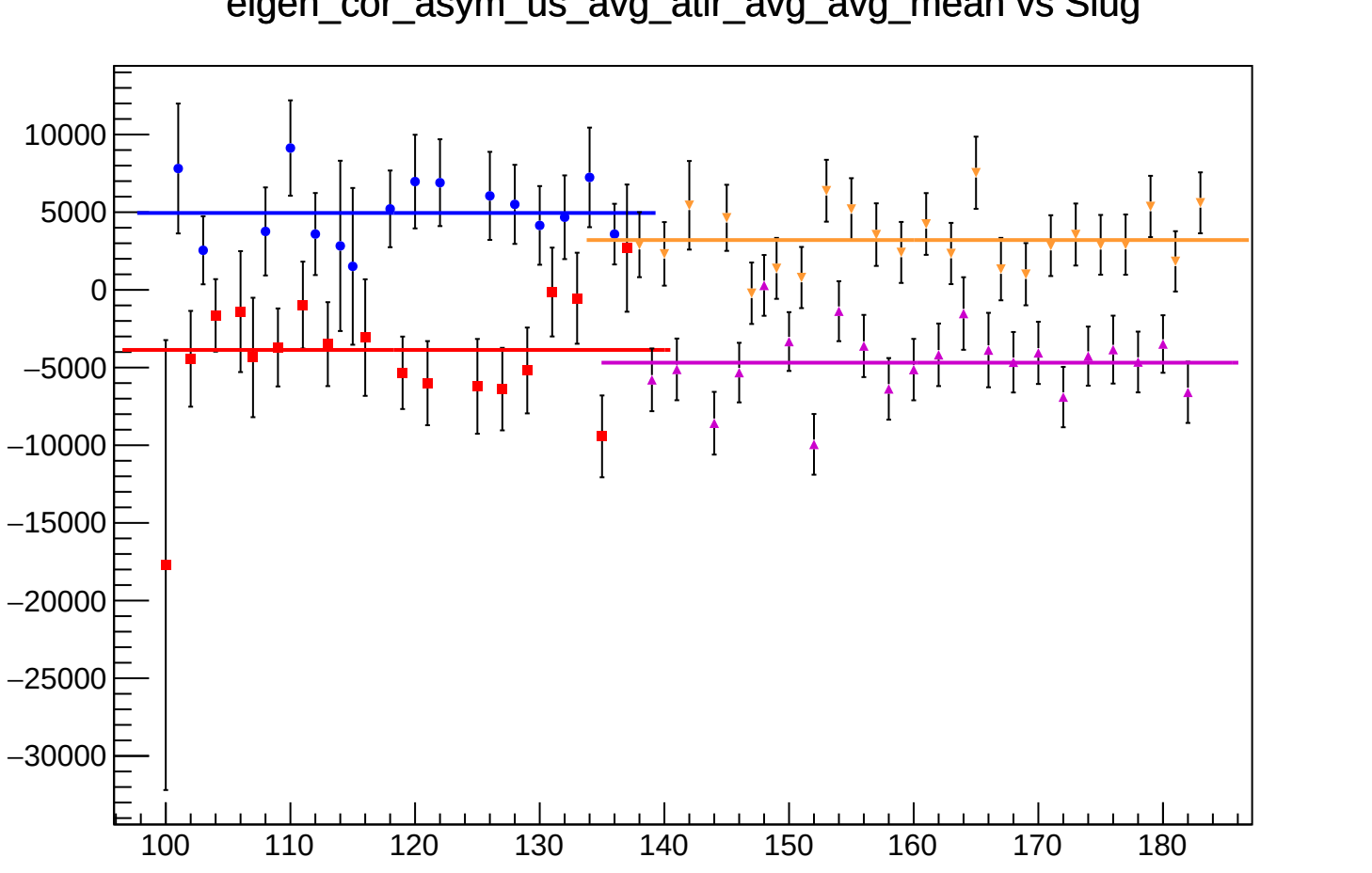
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6194.644+/-1.053 χ^2/NDF:1216016.1/21

+ sign 5509.927+/-0.805 χ^2/NDF: 3597365.6/38

All: 5437.546+/-0.565 χ^2/NDF: 7803099.2/78

- sign 5367.325+/-0.793 χ^2/NDF: 4189793.0/39



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3207.291+/-421.847 χ^2/NDF:19.7/22

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

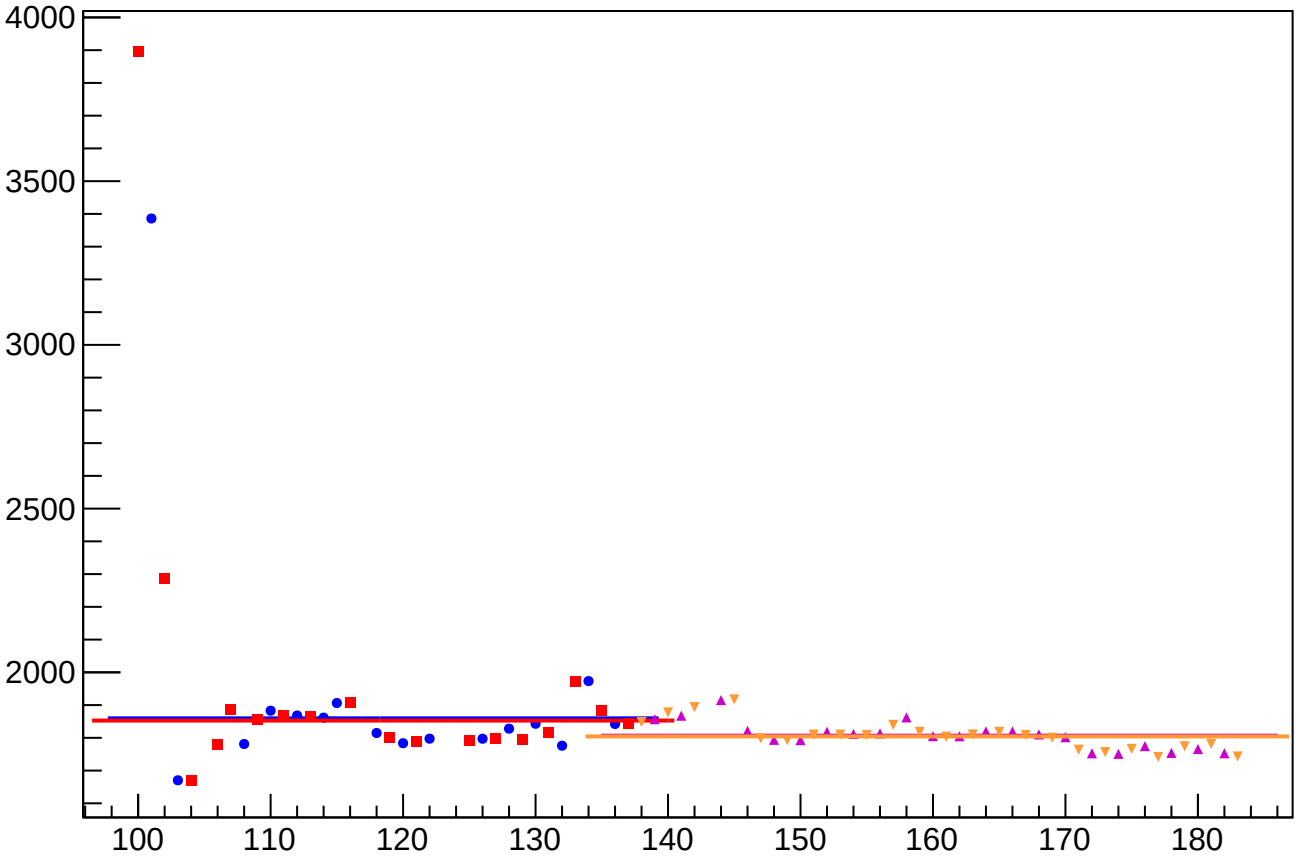
Left In: -4686.941+/-425.394 χ^2/NDF:27.4/21

+ sign 3672.572+/-361.163 χ^2/NDF: 31.1/38

All: -375.435+/-256.005 χ^2/NDF: 328.2/78

- sign -4463.279+/-362.936 χ^2/NDF: 44.6/39

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1804.295+/-0.298 χ^2/NDF:19613.6/22

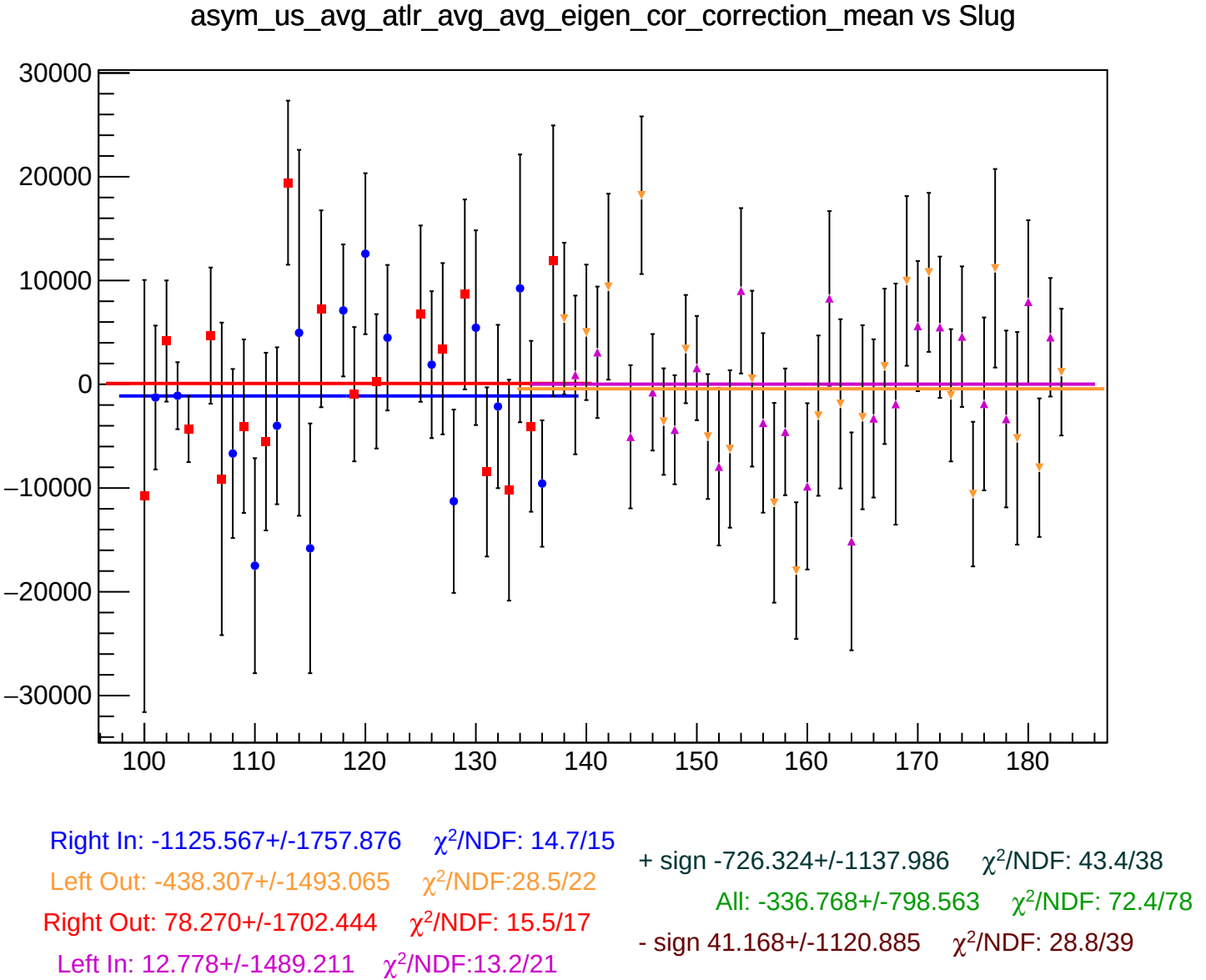
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

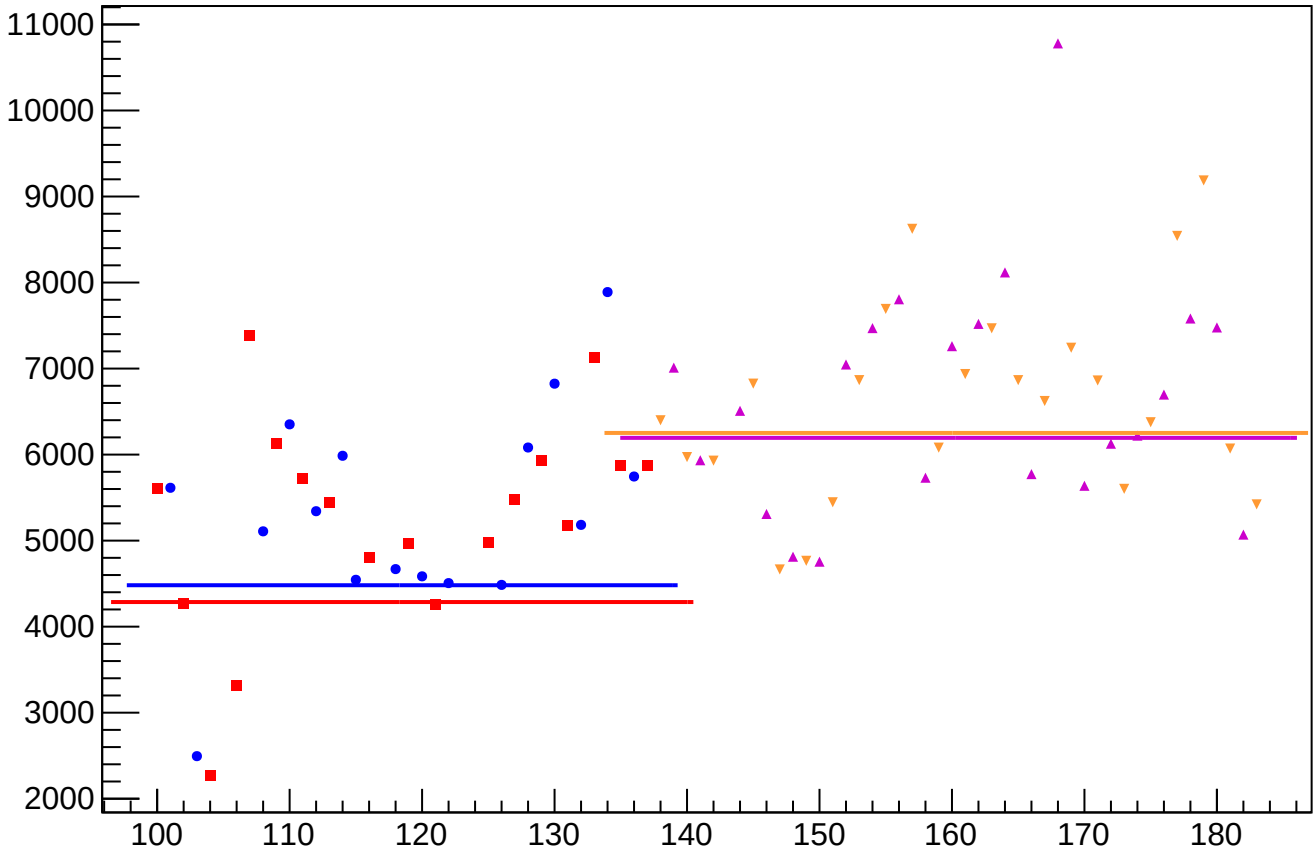
Left In: 1806.578+/-0.301 χ^2/NDF:18651.9/21

+ sign 1819.038+/-0.255 χ^2/NDF: 321098.6/38

All: 1819.117+/-0.181 χ^2/NDF: 447943.2/78

- sign 1819.196+/-0.256 χ^2/NDF: 126844.4/39


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: -438.307+/-1493.065 χ²/NDF:28.5/22
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 12.778+/-1489.211 χ²/NDF:13.2/21
+ sign -726.324+/-1137.986 χ²/NDF: 43.4/38
All: -336.768+/-798.563 χ²/NDF: 72.4/78
- sign 41.168+/-1120.885 χ²/NDF: 28.8/39



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6251.829+/-1.056 χ^2/NDF:1056775.9/22

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

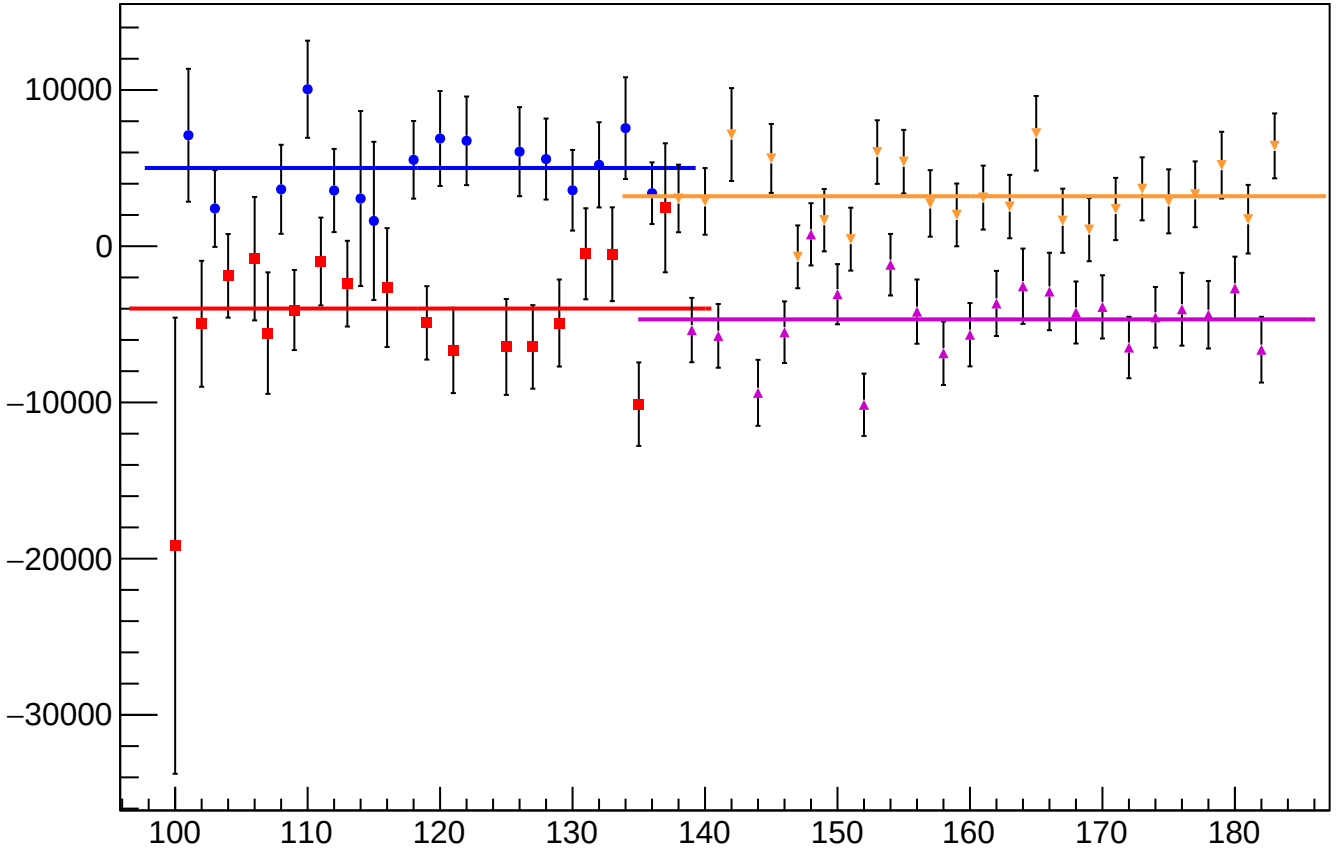
Left In: 6194.644+/-1.053 χ^2/NDF:1216016.1/21

+ sign 5509.927+/-0.805 χ^2/NDF: 3597365.6/38

All: 5437.546+/-0.565 χ^2/NDF: 7803099.2/78

- sign 5367.325+/-0.793 χ^2/NDF: 4189793.0/39

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3200.968+/-438.231 χ^2/NDF:21.3/22

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

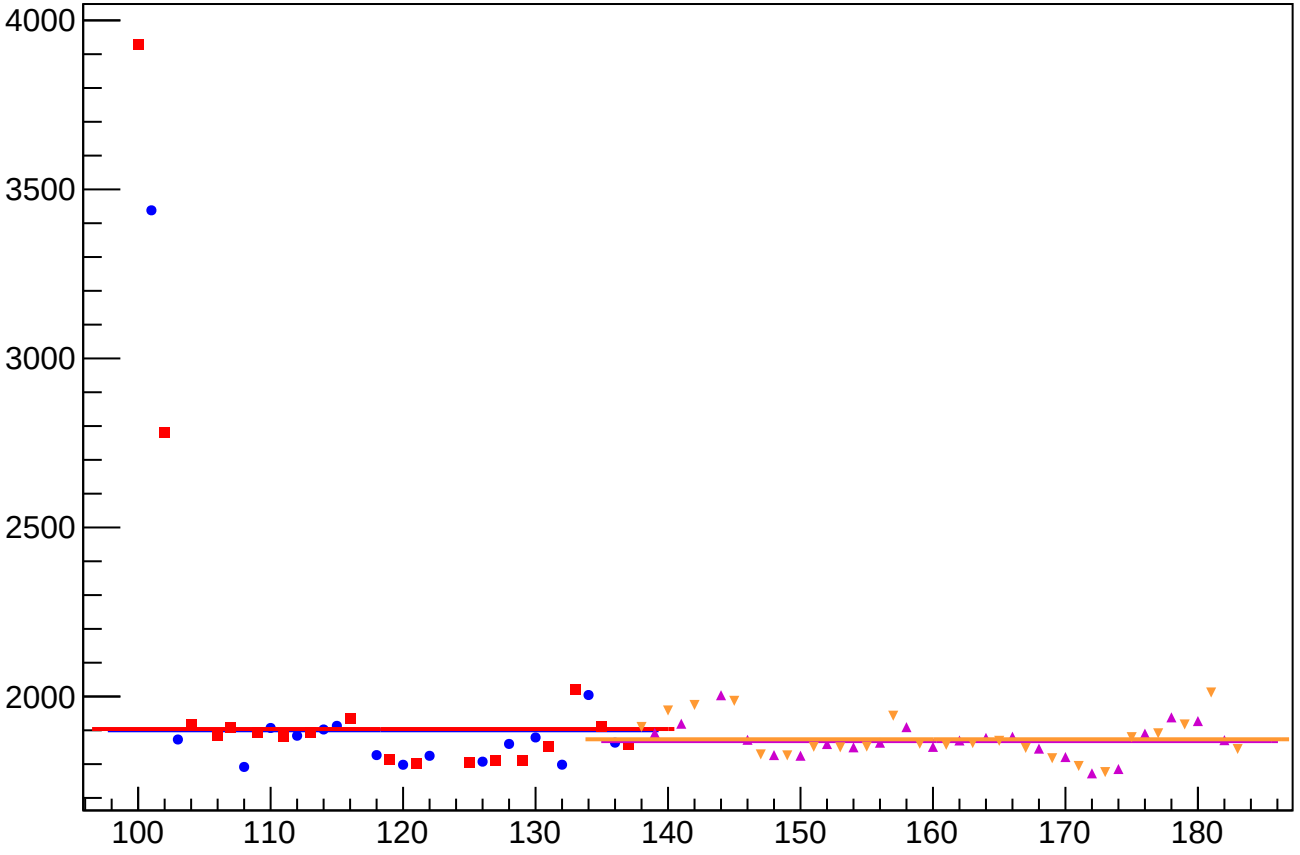
Left In: -4681.657+/-440.022 χ^2/NDF:30.3/21

+ sign 3695.181+/-373.501 χ^2/NDF: 33.6/38

All: -379.020+/-264.746 χ^2/NDF: 321.1/78

- sign -4492.983+/-375.319 χ^2/NDF: 48.3/39

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1873.474+/-0.310 χ^2/NDF:35657.6/22

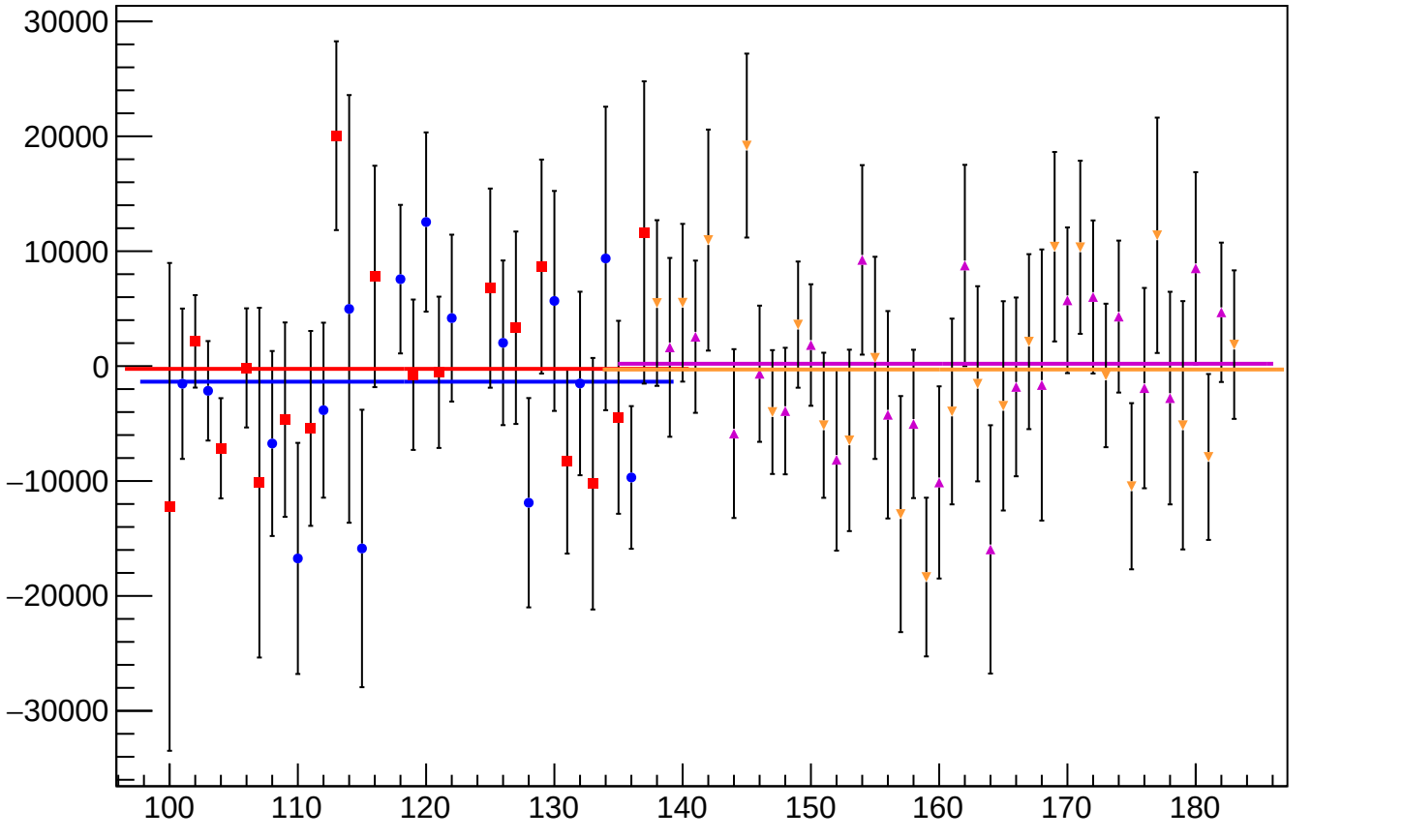
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1868.102+/-0.311 χ^2/NDF:26622.3/21

+ sign 1880.762+/-0.264 χ^2/NDF: 316127.6/38

All: 1879.313+/-0.187 χ^2/NDF: 496523.9/78

- sign 1877.851+/-0.265 χ^2/NDF: 180335.9/39



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -295.464+/-1550.801 χ^2/NDF:28.0/22

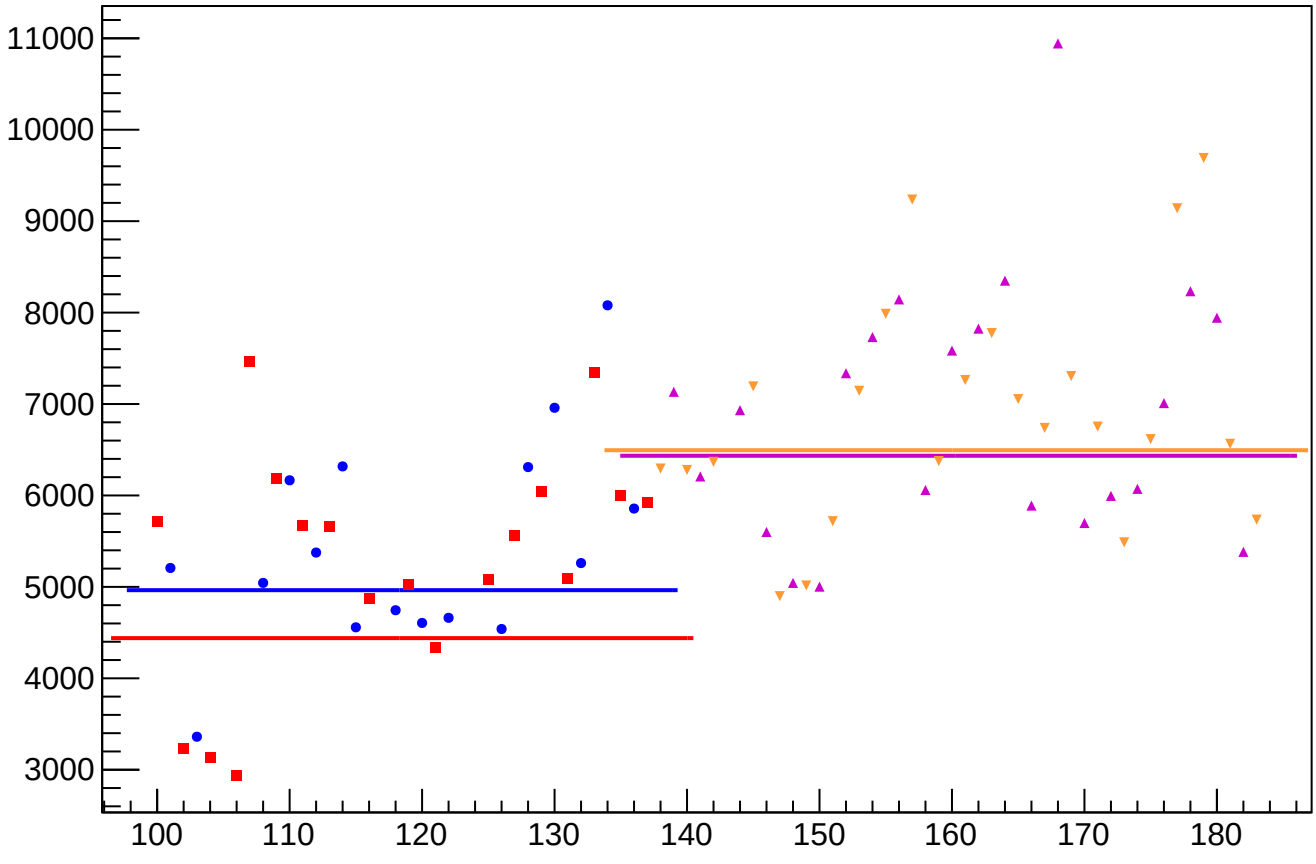
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 204.809+/-1546.289 χ^2/NDF:13.1/21

\+ sign -720.823+/-1200.398 χ^2/NDF: 42.9/38

All: -341.878+/-829.559 χ^2/NDF: 72.0/78

\- sign 4.538+/-1147.721 χ^2/NDF: 28.9/39



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6494.768+/-1.097 χ^2/NDF:1067888.6/22

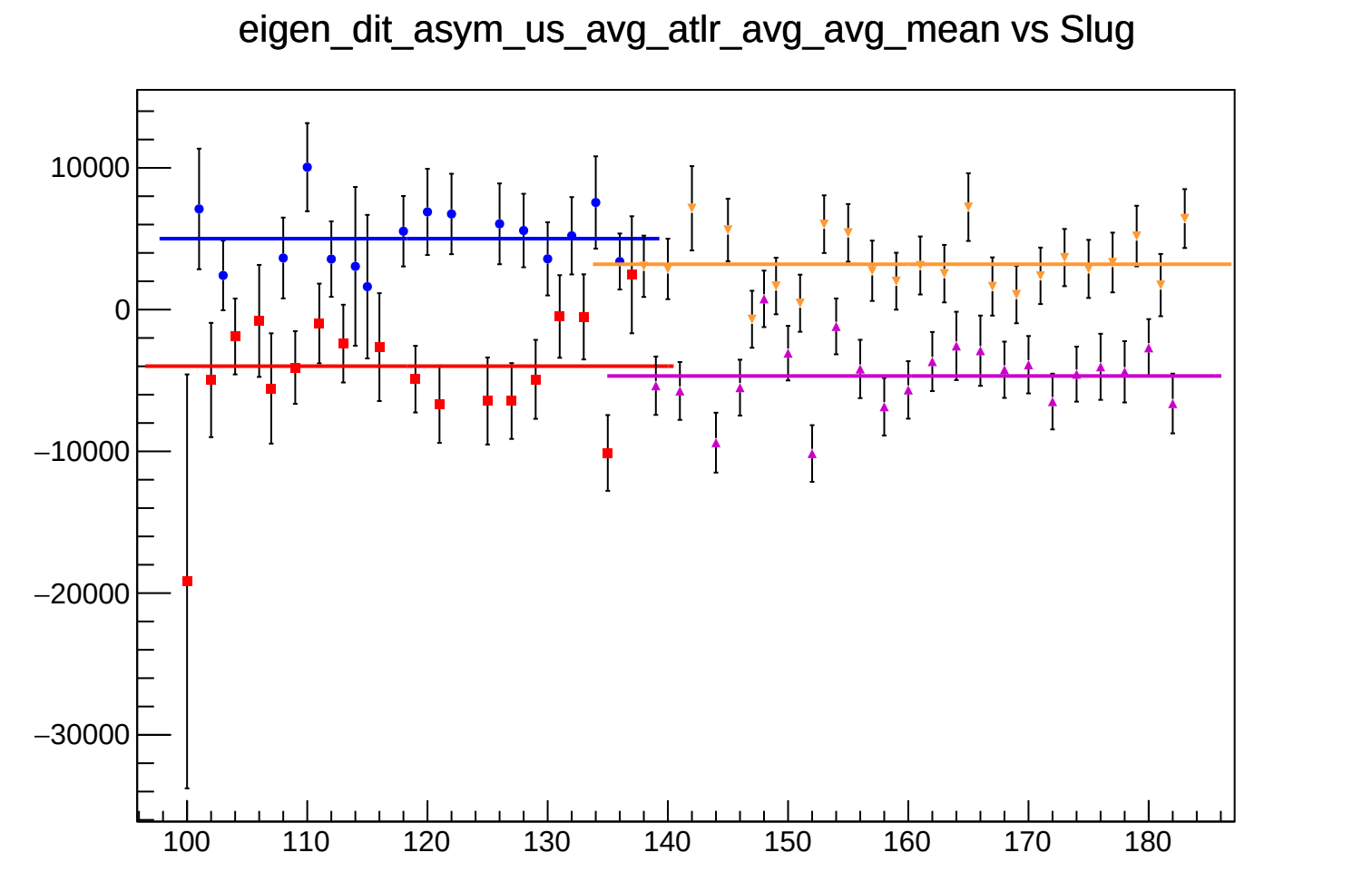
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6434.108+/-1.093 χ^2/NDF:1199873.2/21

+ sign 5881.164+/-0.849 χ^2/NDF: 2476381.3/38

All: 5702.126+/-0.587 χ^2/NDF: 6414124.3/78

- sign 5538.456+/-0.812 χ^2/NDF: 3852580.3/39



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3200.962+/-438.231 χ^2/NDF:21.3/22

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

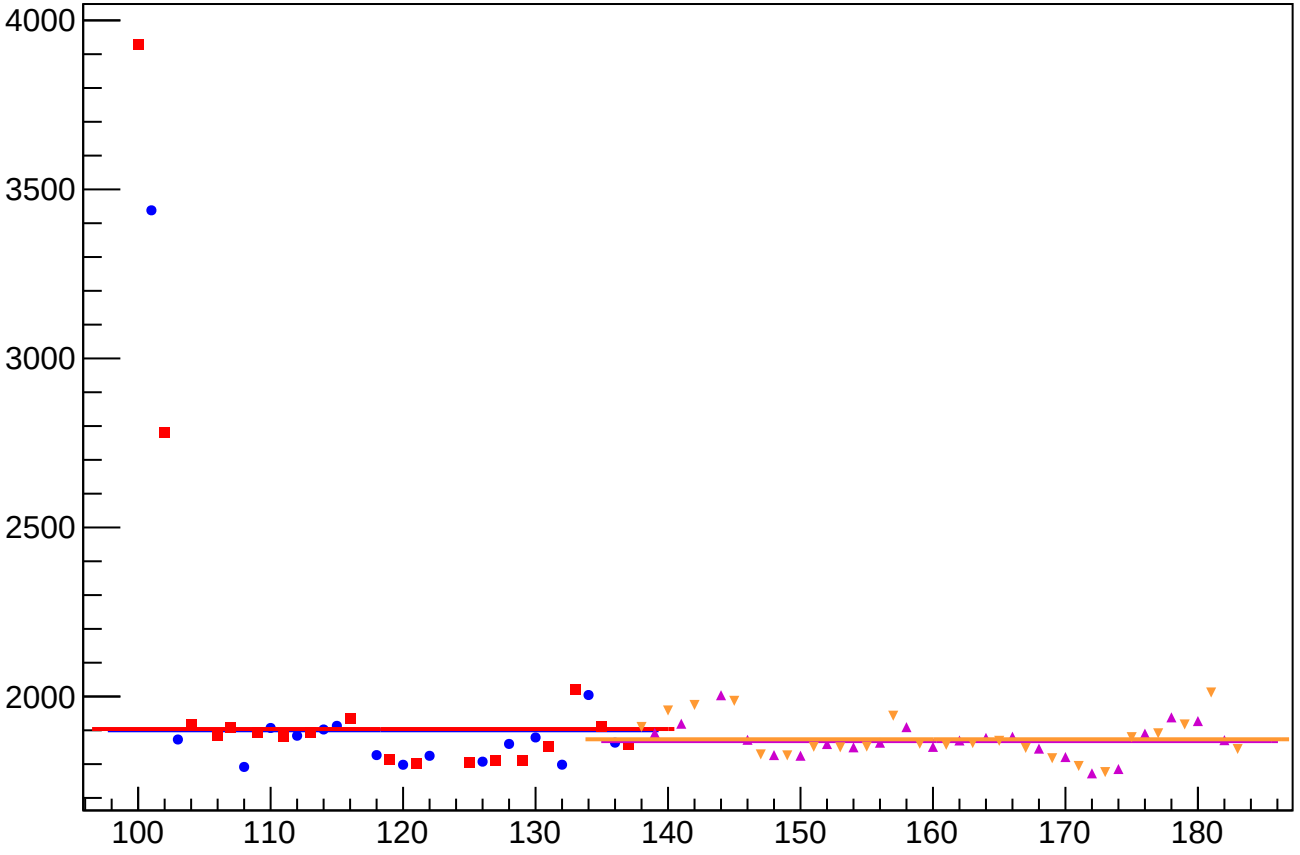
Left In: -4681.658+/-440.022 χ^2/NDF:30.3/21

+ sign 3695.177+/-373.501 χ^2/NDF: 33.6/38

All: -379.023+/-264.746 χ^2/NDF: 321.1/78

- sign -4492.984+/-375.319 χ^2/NDF: 48.3/39

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1873.475+/-0.310 χ^2/NDF:35658.6/22

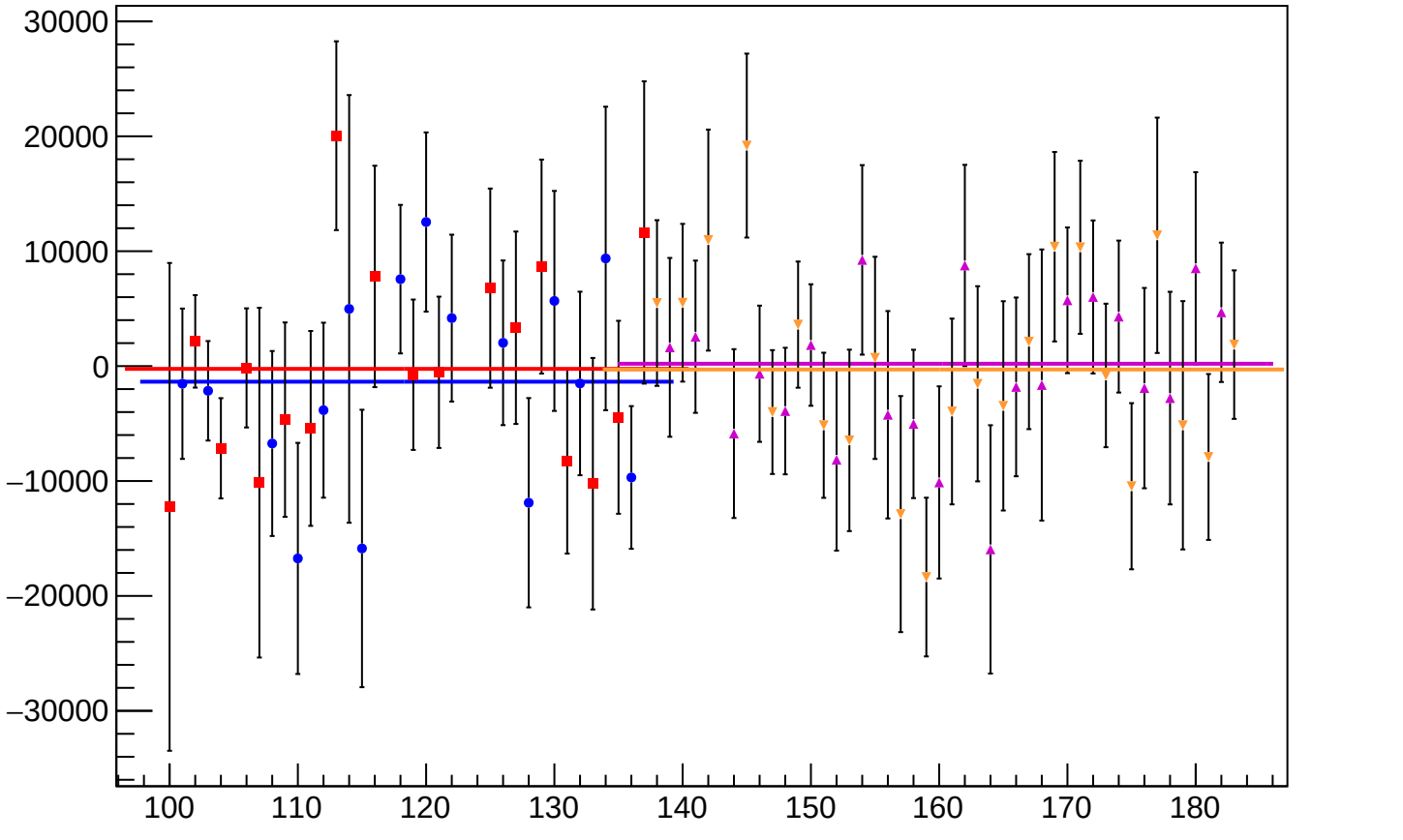
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1868.103+/-0.311 χ^2/NDF:26623.5/21

+ sign 1880.763+/-0.264 χ^2/NDF: 316128.6/38

All: 1879.314+/-0.187 χ^2/NDF: 496524.9/78

- sign 1877.852+/-0.265 χ^2/NDF: 180335.9/39



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -295.470+/-1550.804 χ^2/NDF:28.0/22

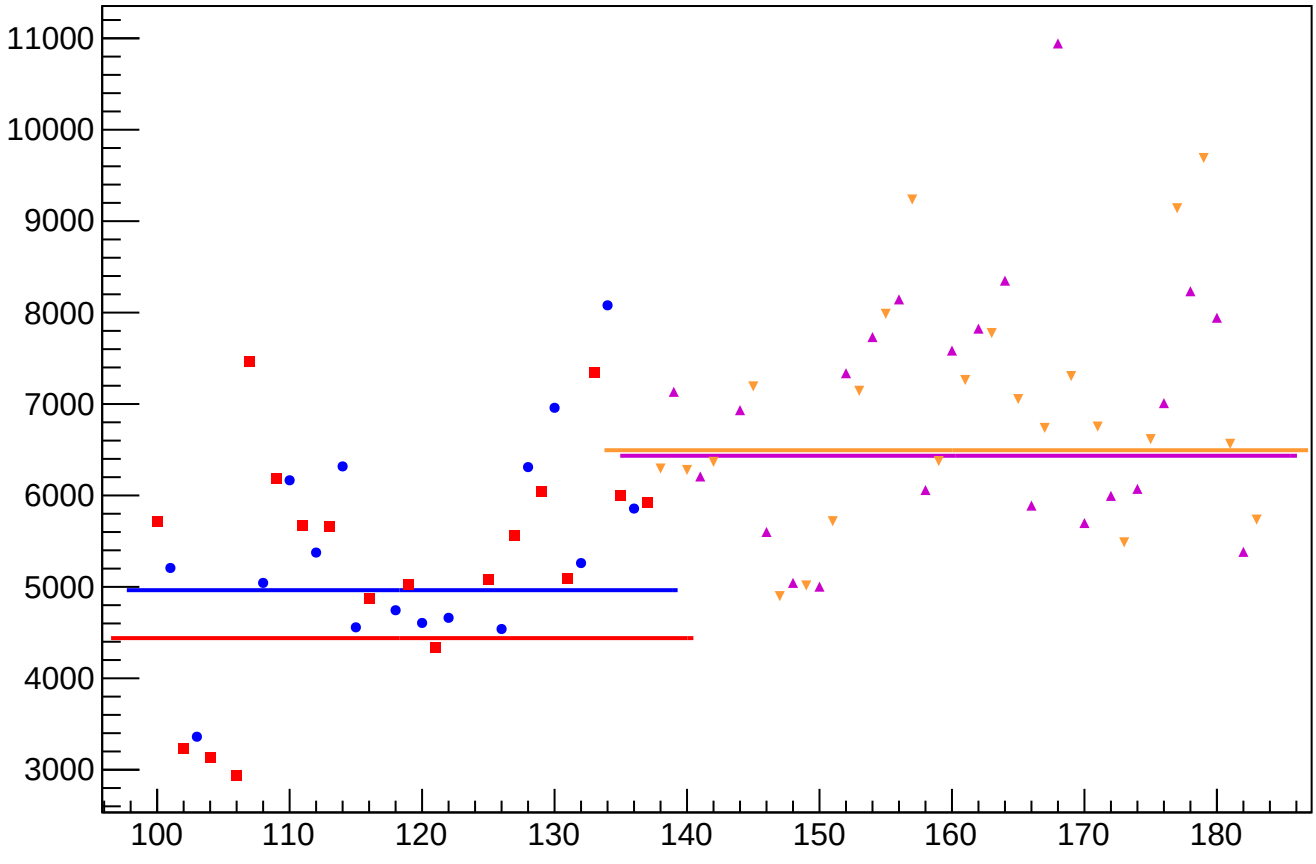
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 204.810+/-1546.291 χ^2/NDF:13.1/21

+ sign -720.824+/-1200.398 χ^2/NDF: 42.9/38

All: -341.879+/-829.559 χ^2/NDF: 72.0/78

- sign 4.537+/-1147.721 χ^2/NDF: 28.9/39



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6494.778+/-1.097 χ^2/NDF:1067891.1/22

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

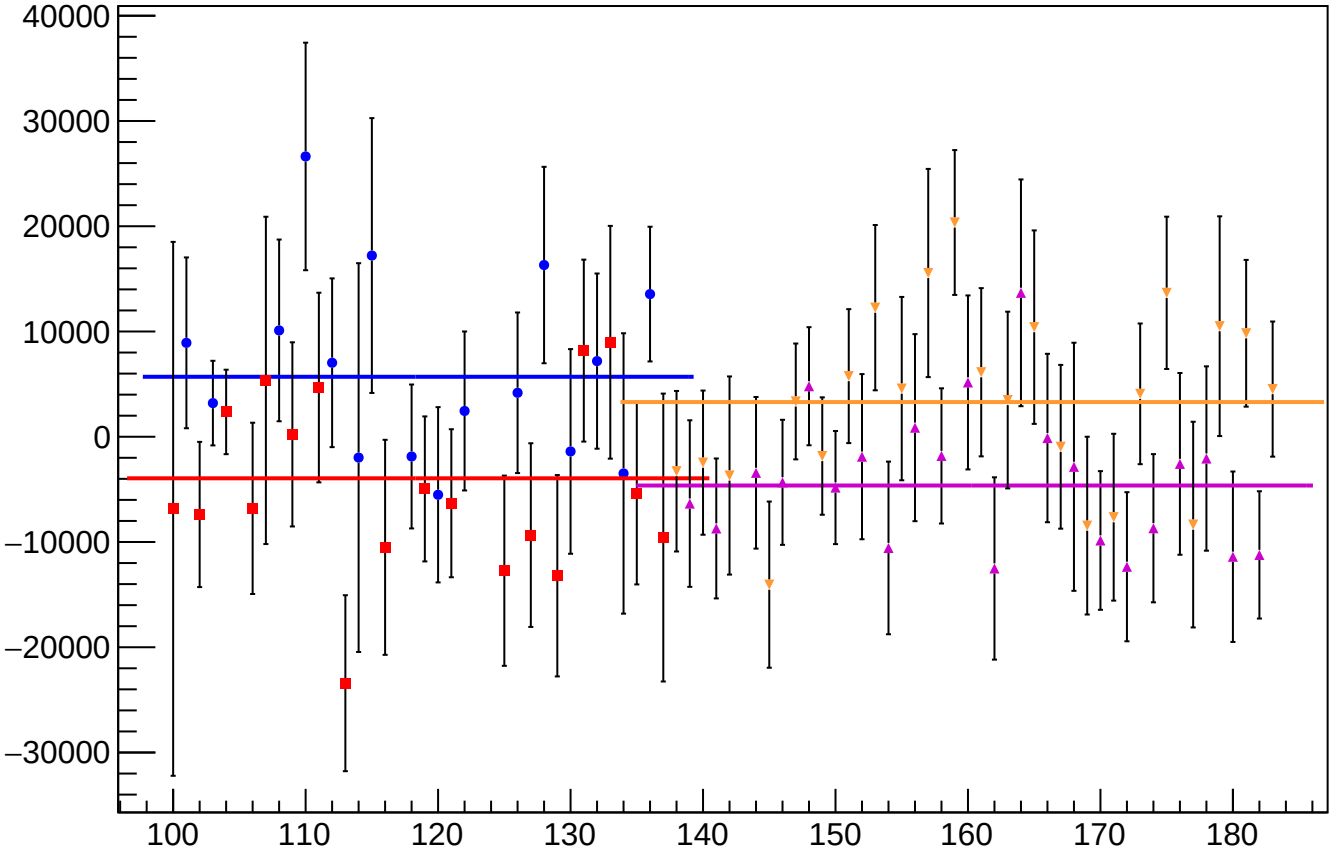
Left In: 6434.118+/-1.093 χ^2/NDF:1199876.4/21

+ sign 5881.162+/-0.849 χ^2/NDF: 2476411.7/38

All: 5702.123+/-0.587 χ^2/NDF: 6414192.6/78

- sign 5538.452+/-0.812 χ^2/NDF: 3852617.3/39

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3294.968+/-1560.637 χ^2/NDF:26.6/22

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

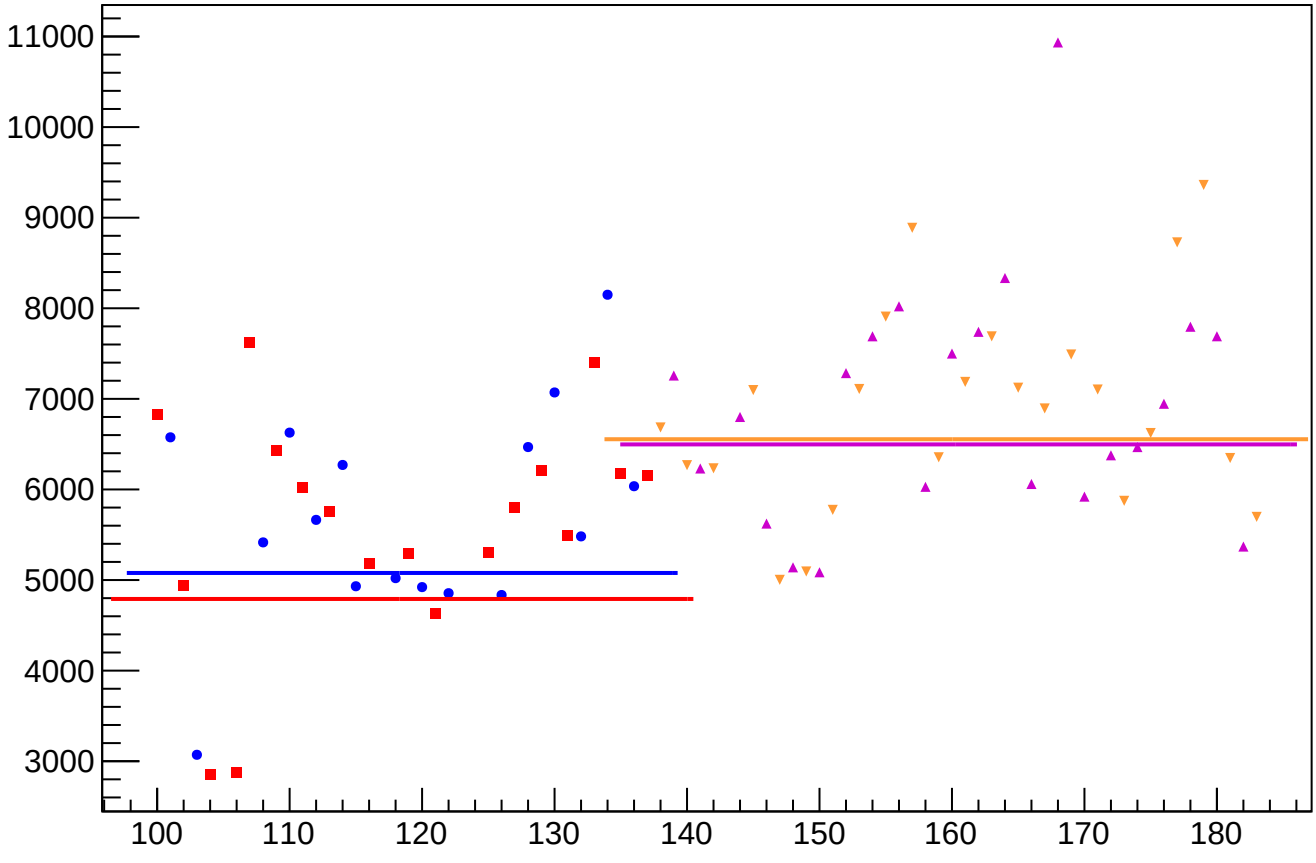
Left In: -4632.679+/-1557.499 χ^2/NDF:14.1/21

+ sign 4227.514+/-1220.697 χ^2/NDF: 40.1/38

All: -105.857+/-859.253 χ^2/NDF: 95.5/78

- sign -4361.597+/-1209.713 χ^2/NDF: 30.3/39

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6554.388+/-1.104 χ^2/NDF:909913.8/22

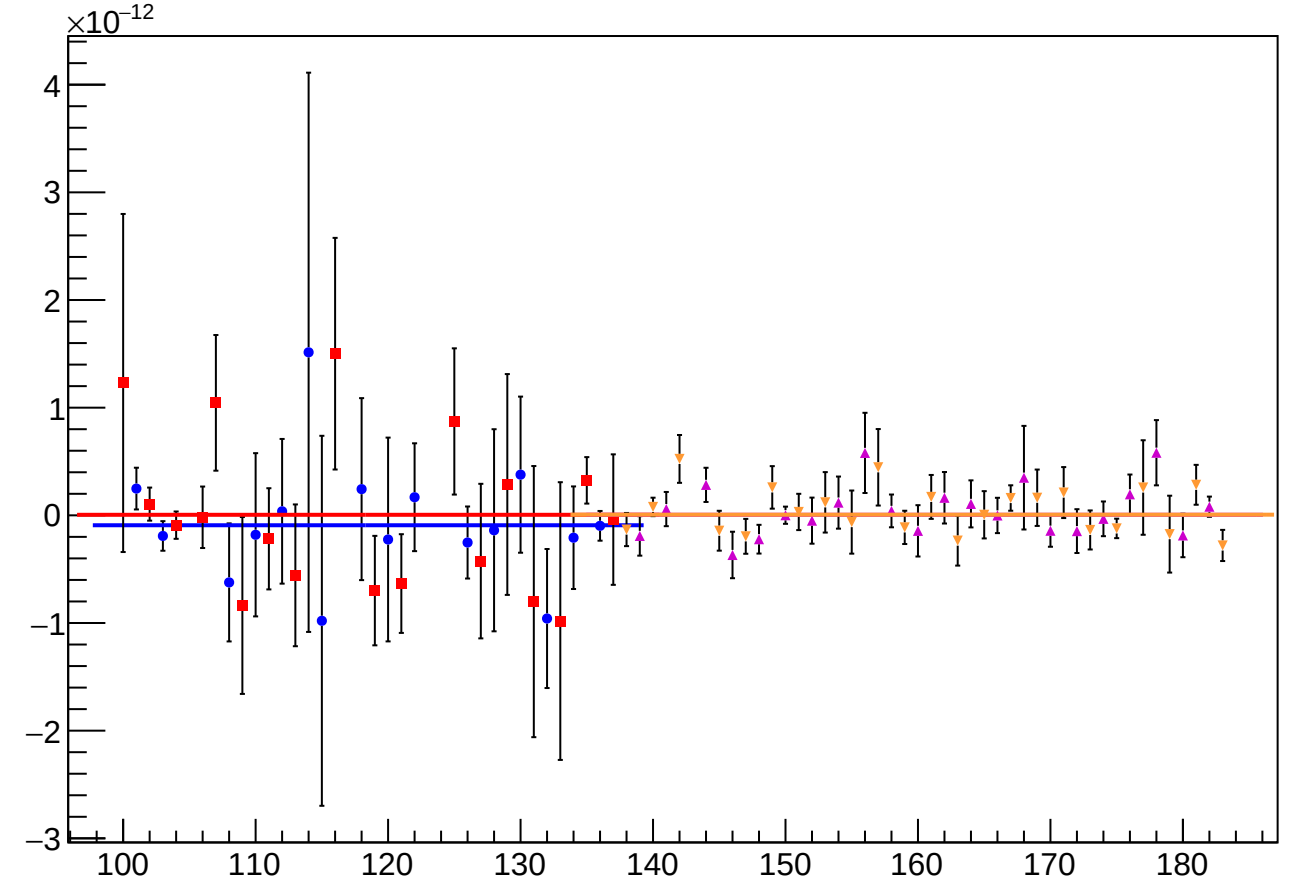
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6497.191+/-1.101 χ^2/NDF:1051941.3/21

+ sign 5981.308+/-0.863 χ^2/NDF: 2523820.2/38

All: 5890.959+/-0.605 χ^2/NDF: 5735253.7/78

- sign 5803.666+/-0.848 χ^2/NDF: 3189891.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/22

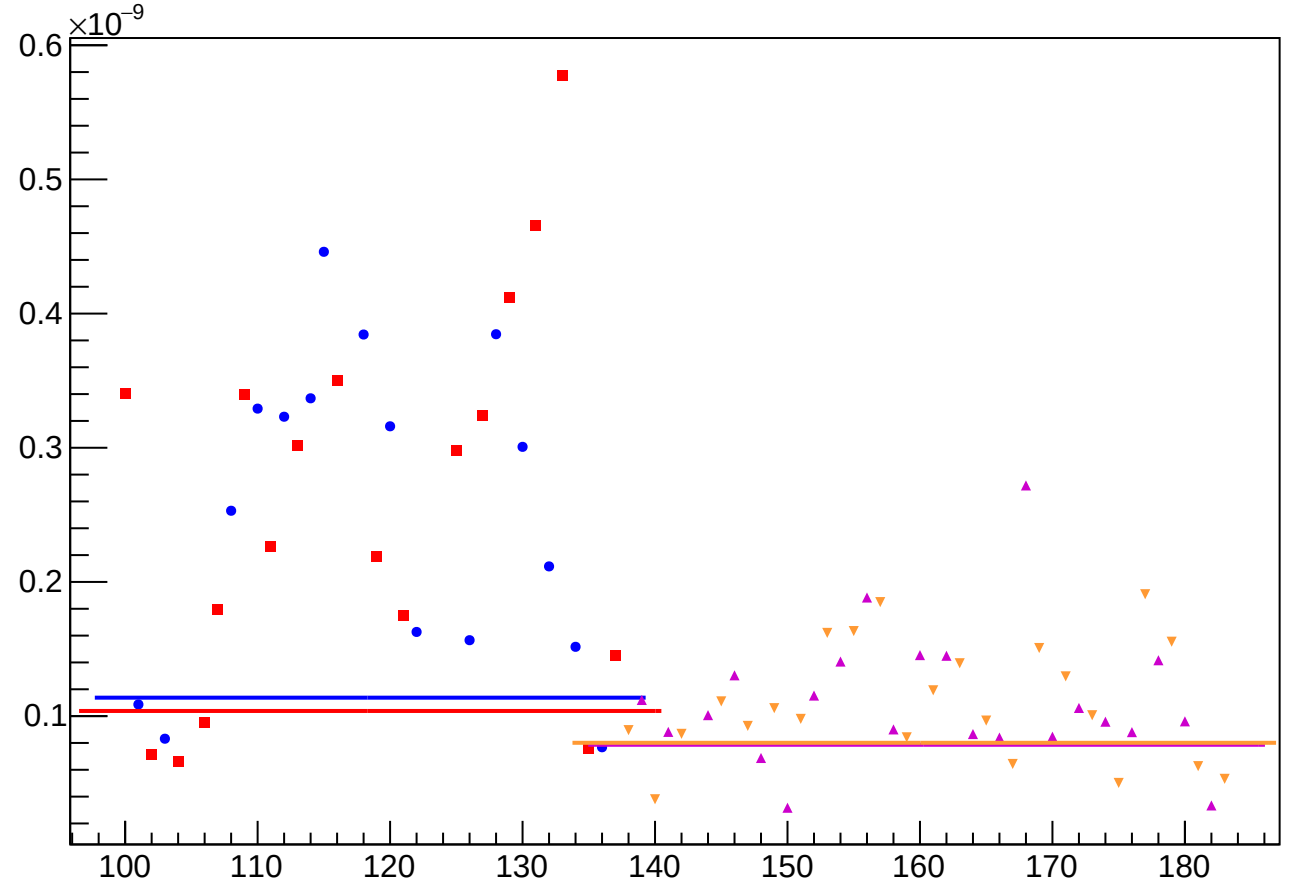
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:22.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 36.6/38

All: -0.000+/-0.000 χ^2/NDF: 76.4/78

- sign 0.000+/-0.000 χ^2/NDF: 39.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2153223.5/22

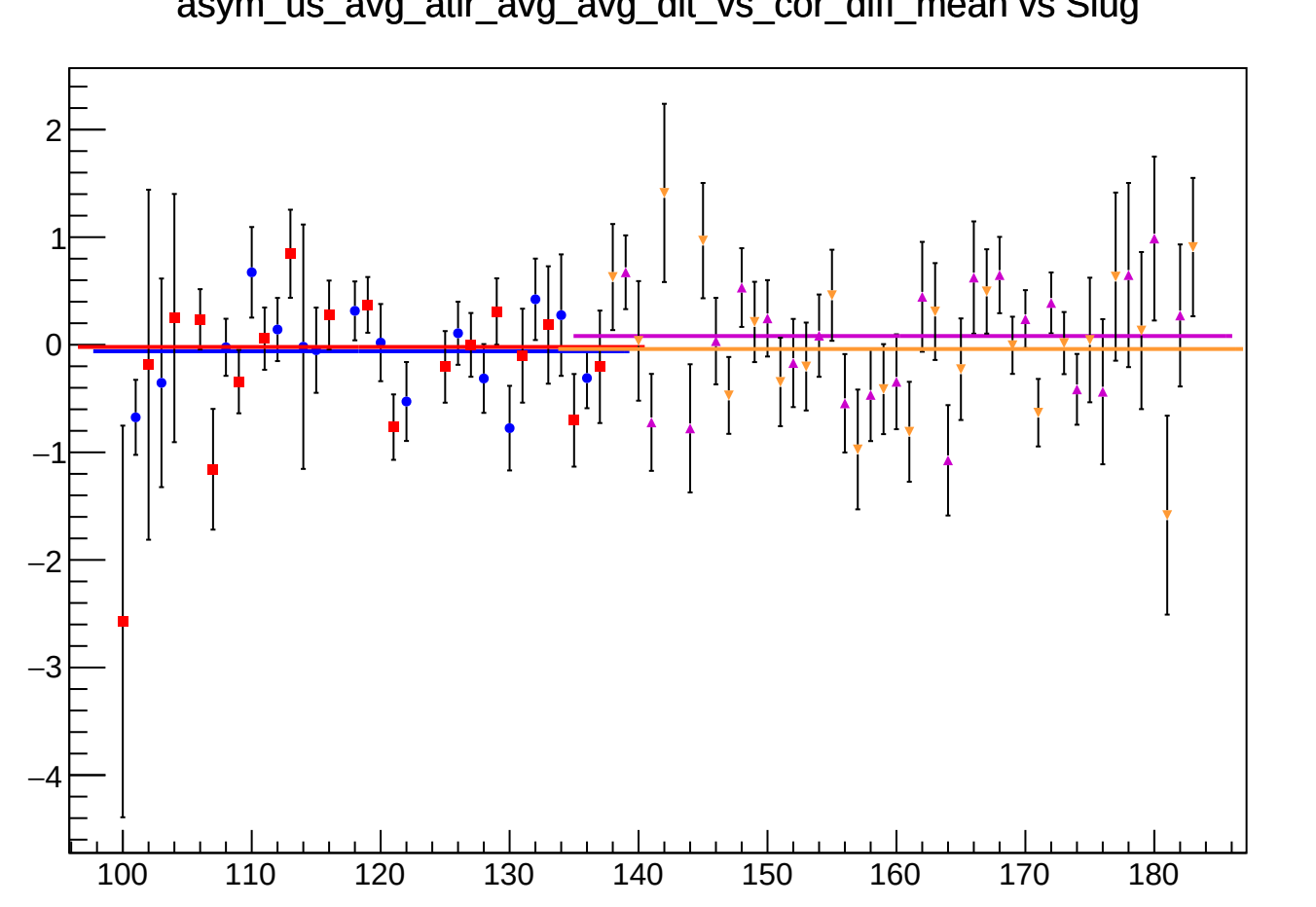
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2576069.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 3988417.5/38

All: 0.000+/-0.000 χ^2/NDF: 8837118.6/78

- sign 0.000+/-0.000 χ^2/NDF: 4840599.9/39



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.040+/-0.091 χ^2/NDF:30.8/22

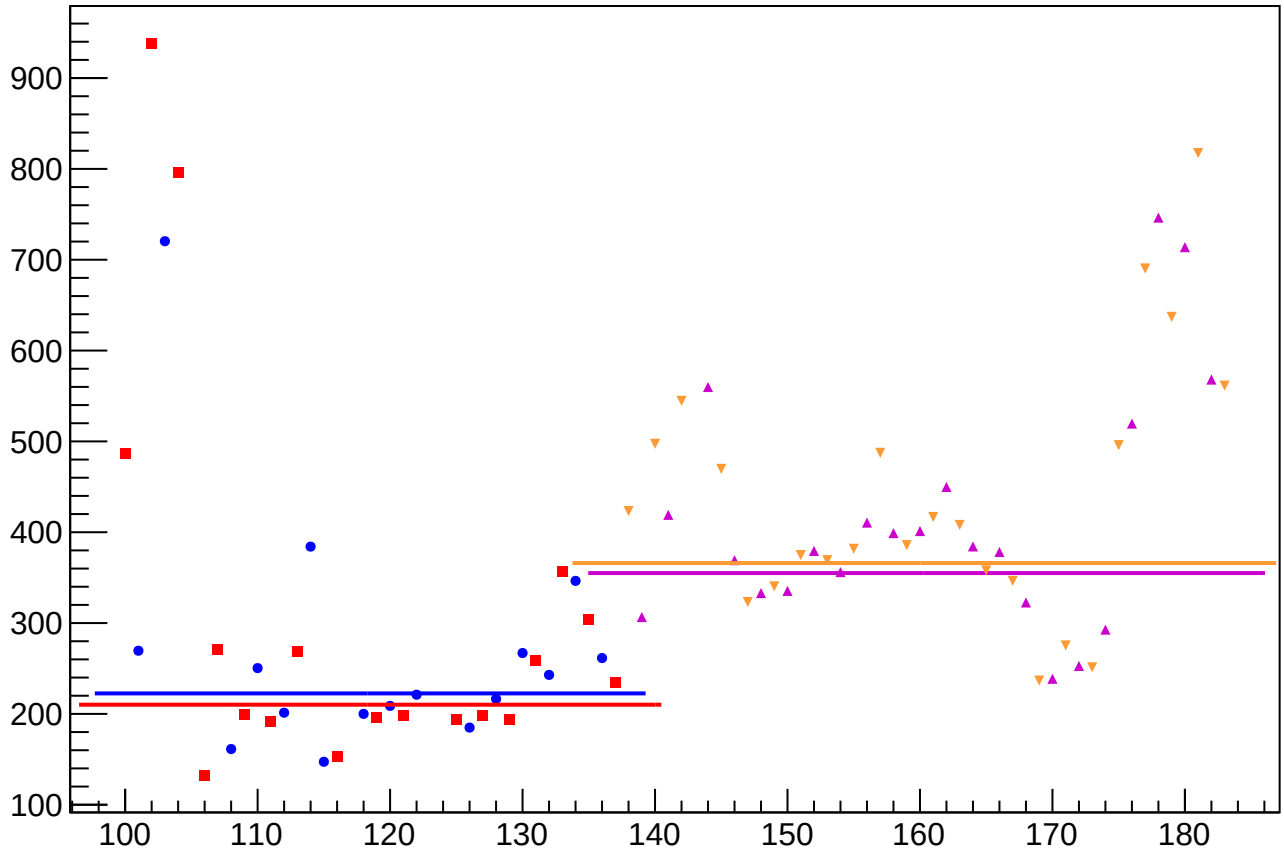
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.081+/-0.088 χ^2/NDF:30.3/21

+ sign -0.050+/-0.064 χ^2/NDF: 48.2/38

All: -0.009+/-0.044 χ^2/NDF: 106.1/78

- sign 0.030+/-0.062 χ^2/NDF: 57.1/39



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 366.072+/-0.064 χ^2/NDF:2834037.2/22

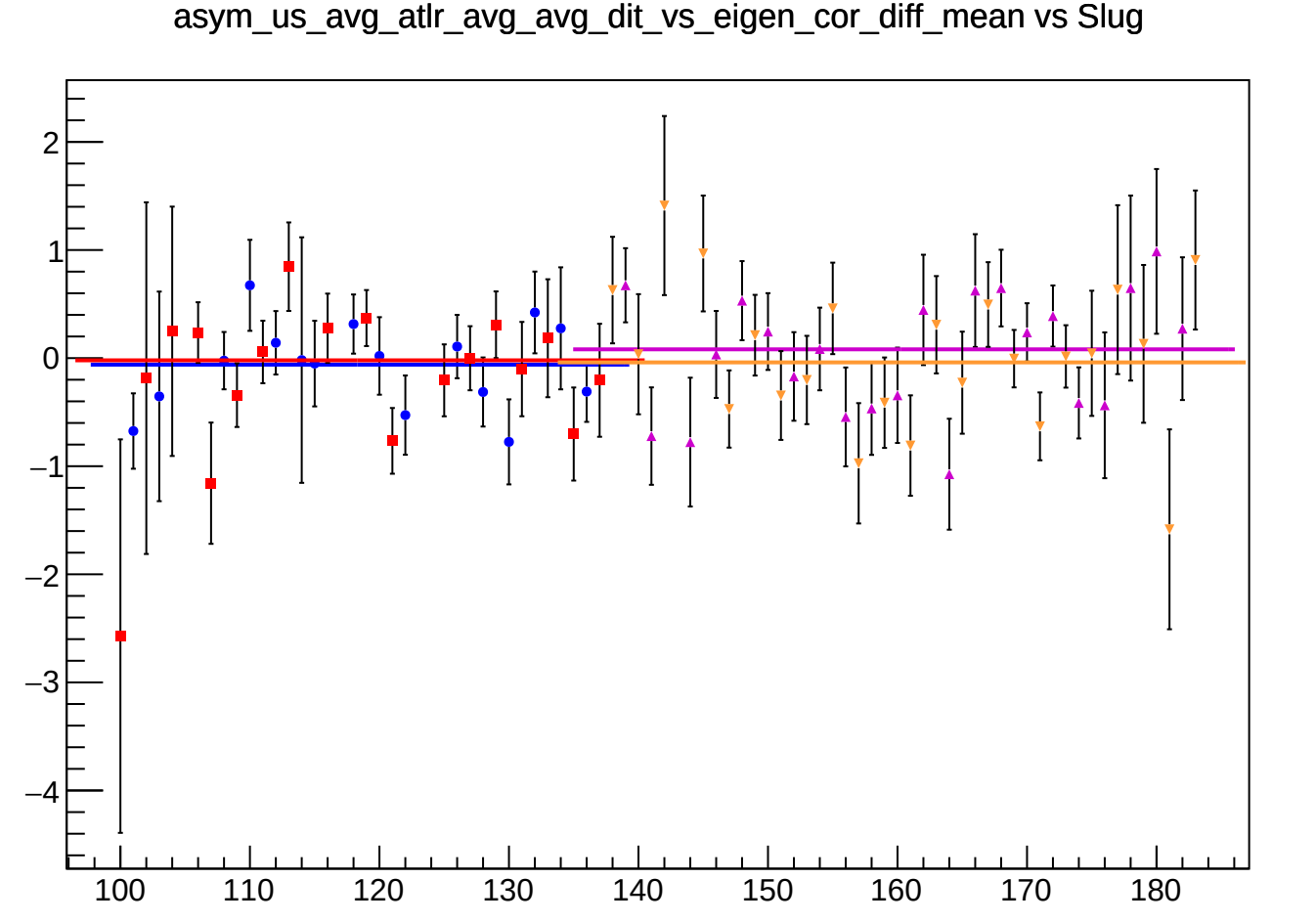
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 355.060+/-0.062 χ^2/NDF:2401917.0/21

+ sign 292.437+/-0.045 χ^2/NDF: 6403979.0/38

All: 287.042+/-0.031 χ^2/NDF: 13103827.1/78

- sign 281.879+/-0.044 χ^2/NDF: 6671601.8/39



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.040+/-0.091 χ^2/NDF:30.8/22

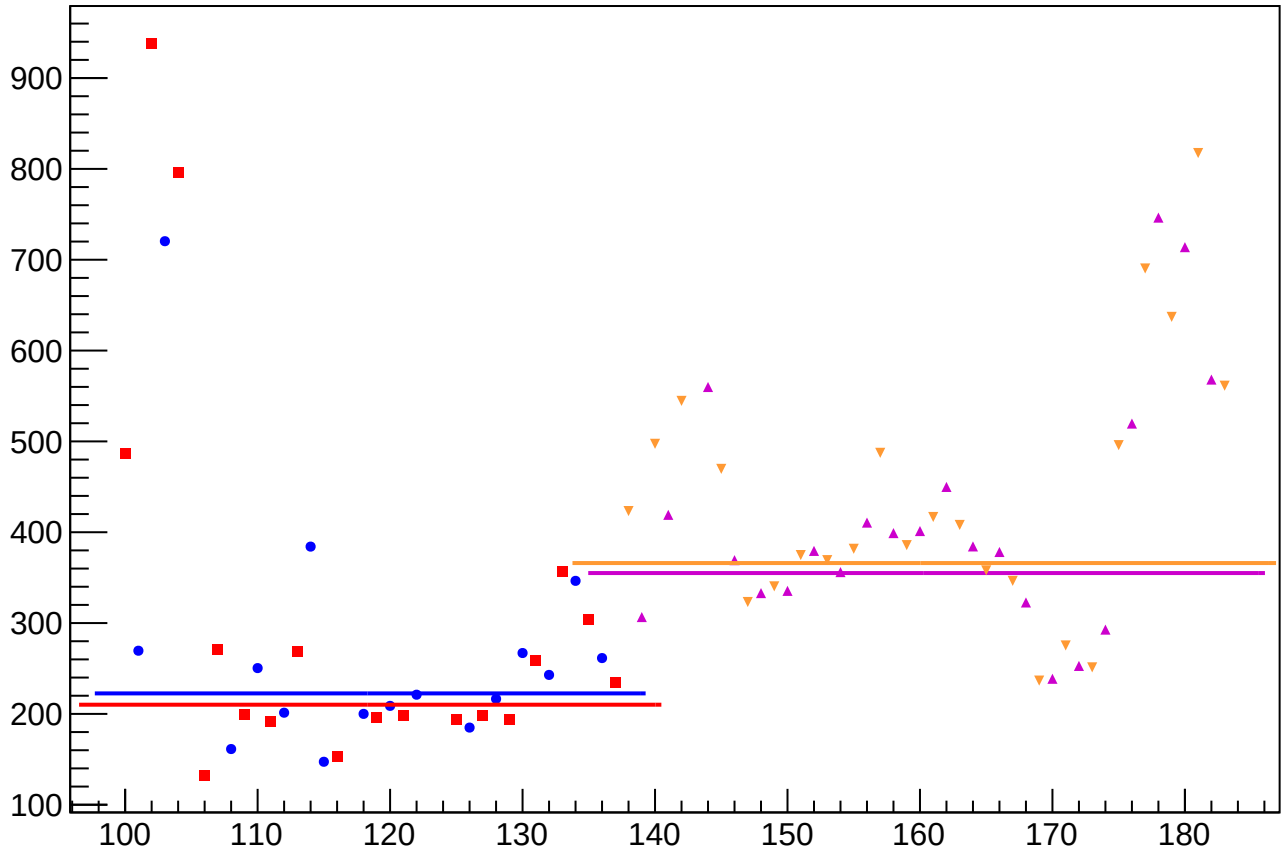
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.081+/-0.088 χ^2/NDF:30.3/21

+ sign -0.050+/-0.064 χ^2/NDF: 48.2/38

All: -0.009+/-0.044 χ^2/NDF: 106.1/78

- sign 0.030+/-0.062 χ^2/NDF: 57.1/39



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 366.072+/-0.064 χ^2/NDF:2834037.2/22

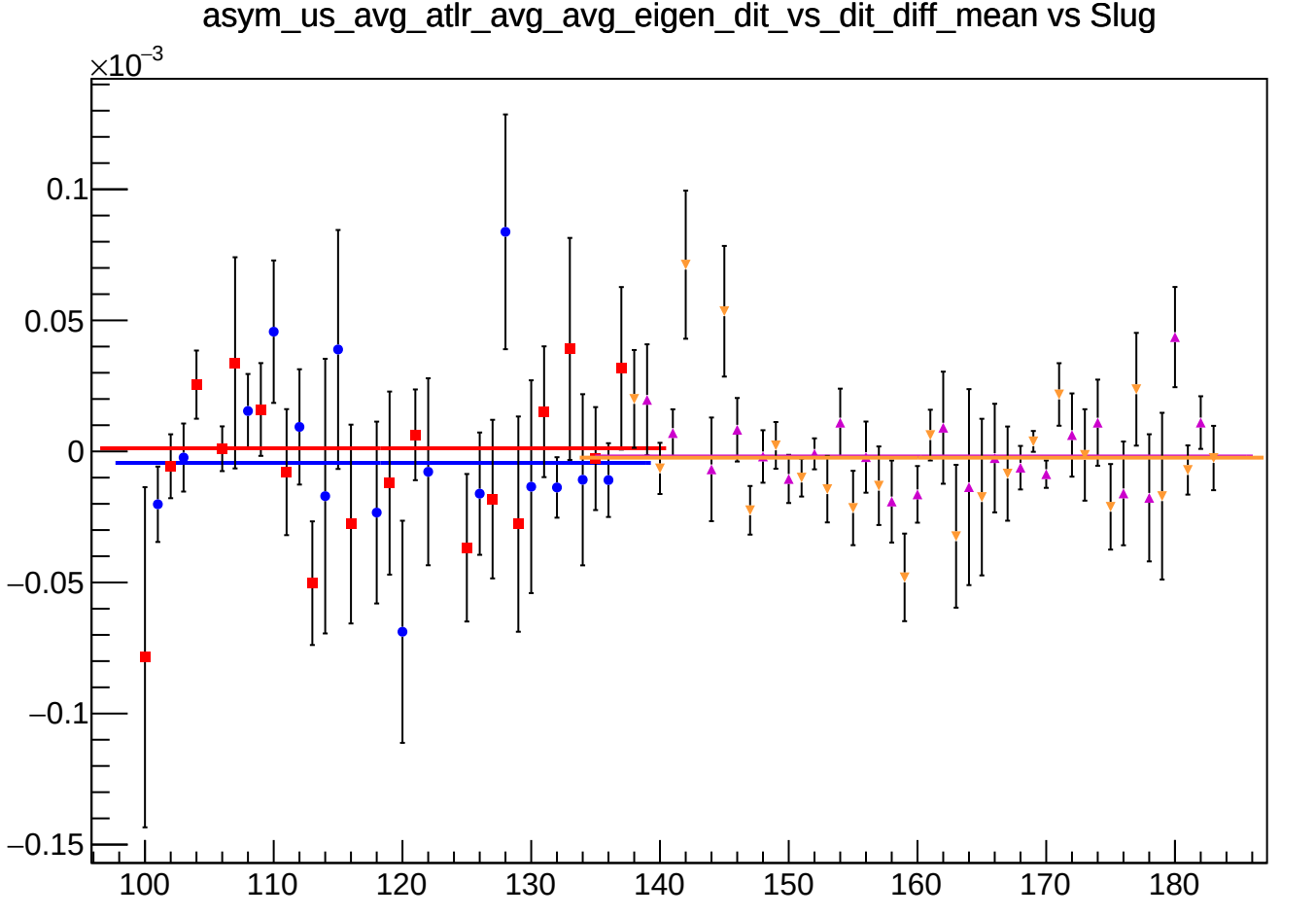
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 355.060+/-0.062 χ^2/NDF:2401917.0/21

+ sign 292.437+/-0.045 χ^2/NDF: 6403979.0/38

All: 287.042+/-0.031 χ^2/NDF: 13103827.1/78

- sign 281.879+/-0.044 χ^2/NDF: 6671601.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/22

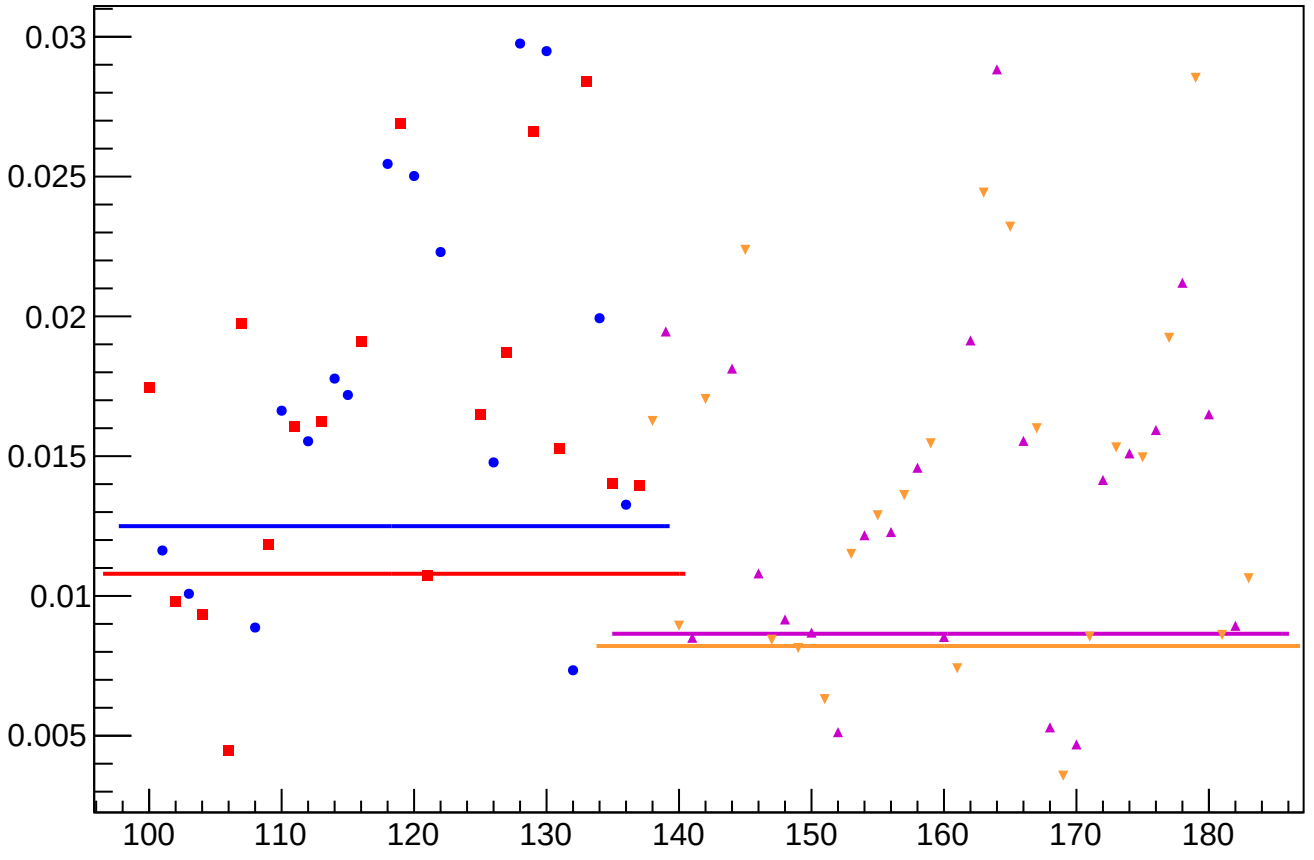
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:19.1/21

+ sign -0.000+/-0.000 χ^2/NDF: 58.1/38

All: -0.000+/-0.000 χ^2/NDF: 95.1/78

- sign -0.000+/-0.000 χ^2/NDF: 36.7/39



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:8777298.7/22

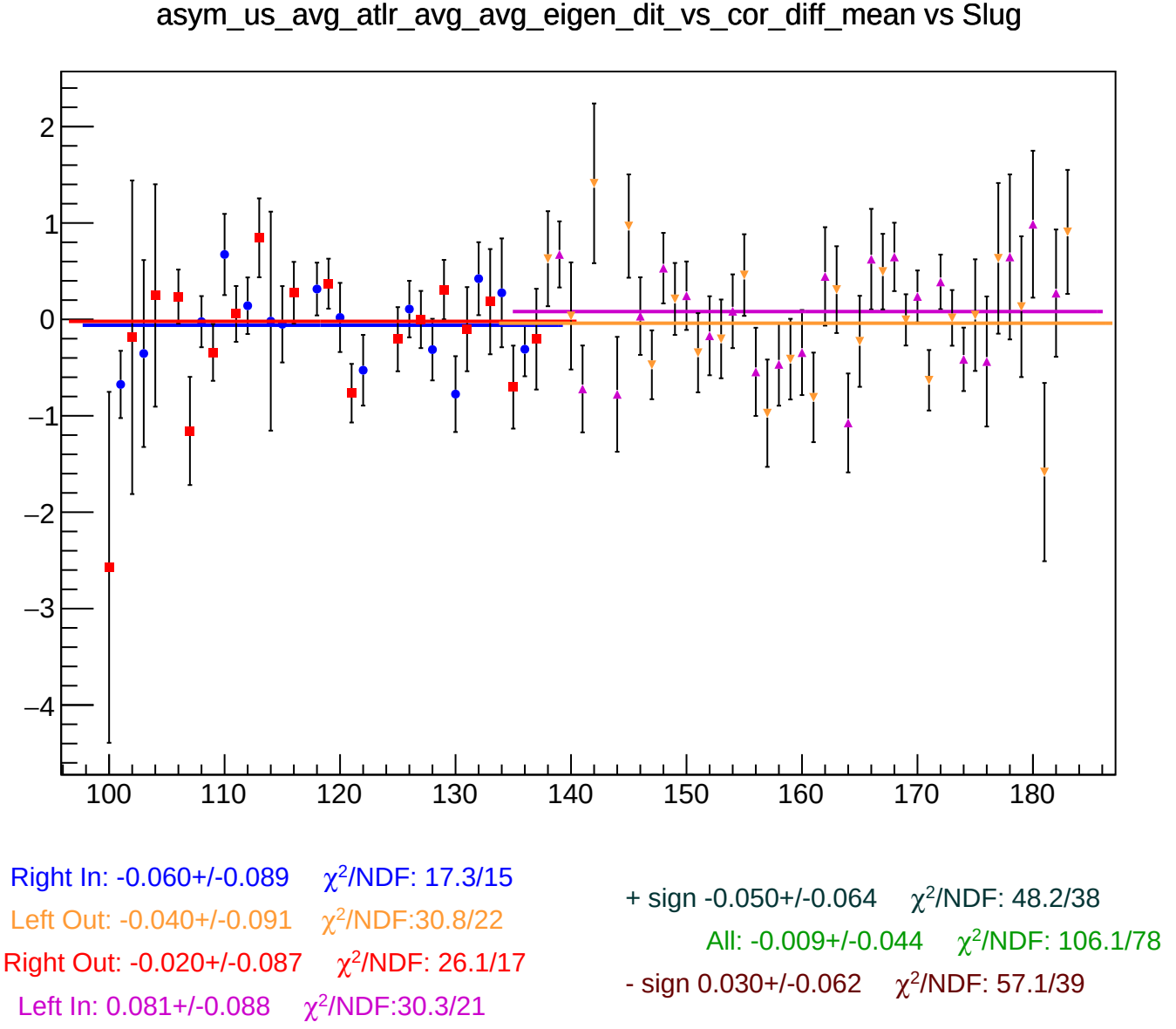
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

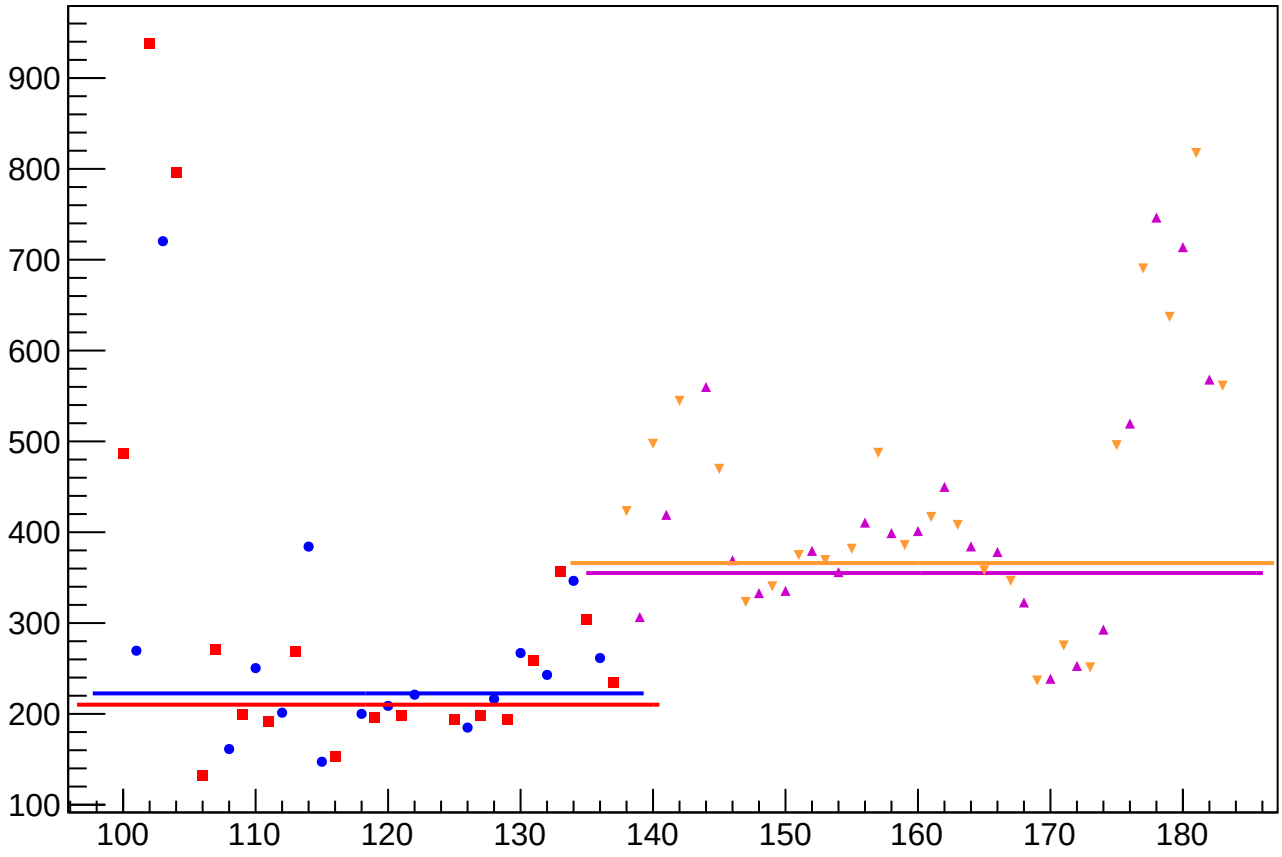
Left In: 0.009+/-0.000 χ^2/NDF:6793053.6/21

+ sign 0.009+/-0.000 χ^2/NDF: 12076797.6/38

All: 0.009+/-0.000 χ^2/NDF: 22210593.5/78

- sign 0.009+/-0.000 χ^2/NDF: 10126820.0/39


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.040+/-0.091 χ²/NDF:30.8/22
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.081+/-0.088 χ²/NDF:30.3/21
+ sign -0.050+/-0.064 χ²/NDF: 48.2/38
All: -0.009+/-0.044 χ²/NDF: 106.1/78
- sign 0.030+/-0.062 χ²/NDF: 57.1/39



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 366.073+/-0.064 χ^2/NDF:2834255.3/22

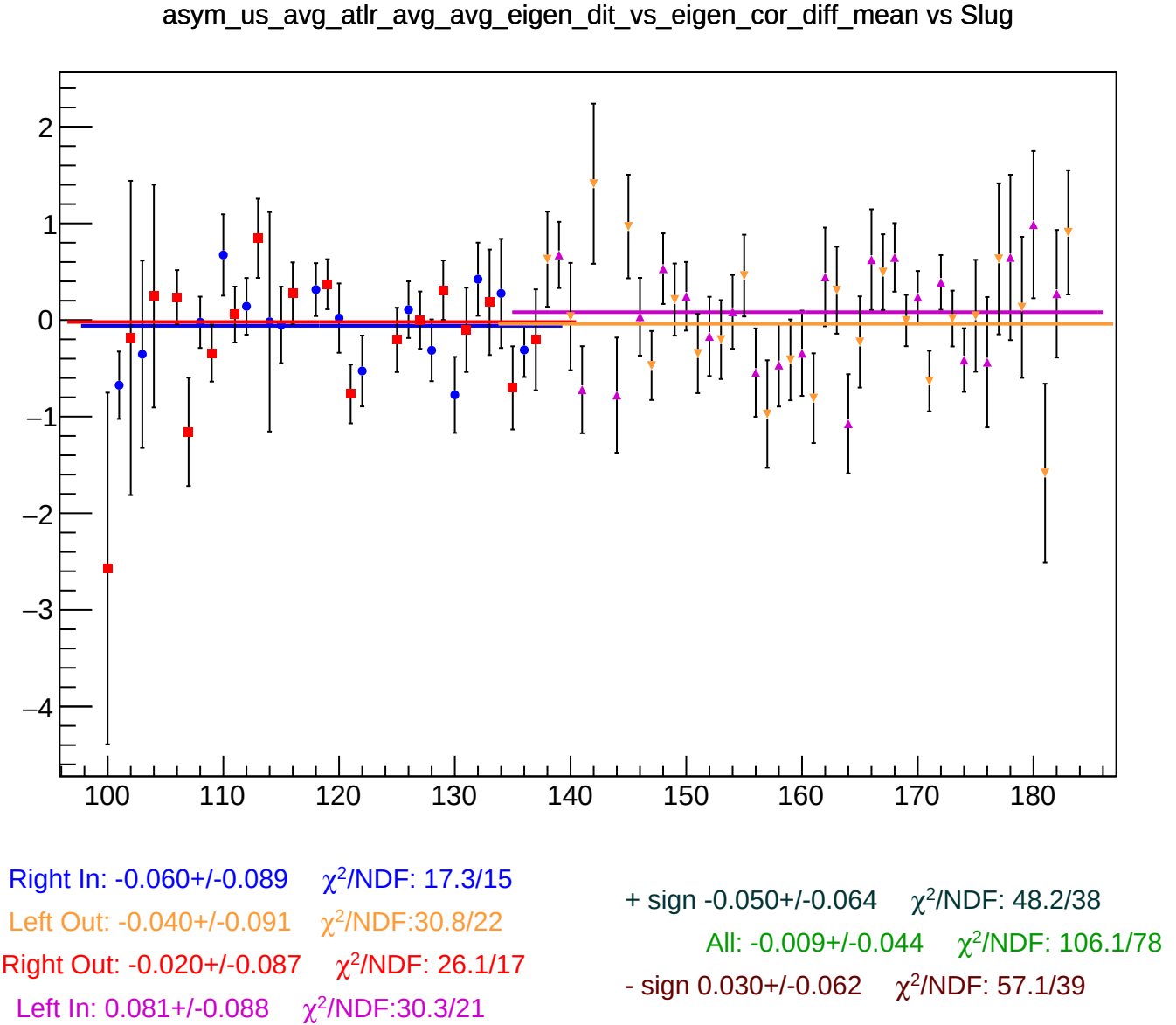
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

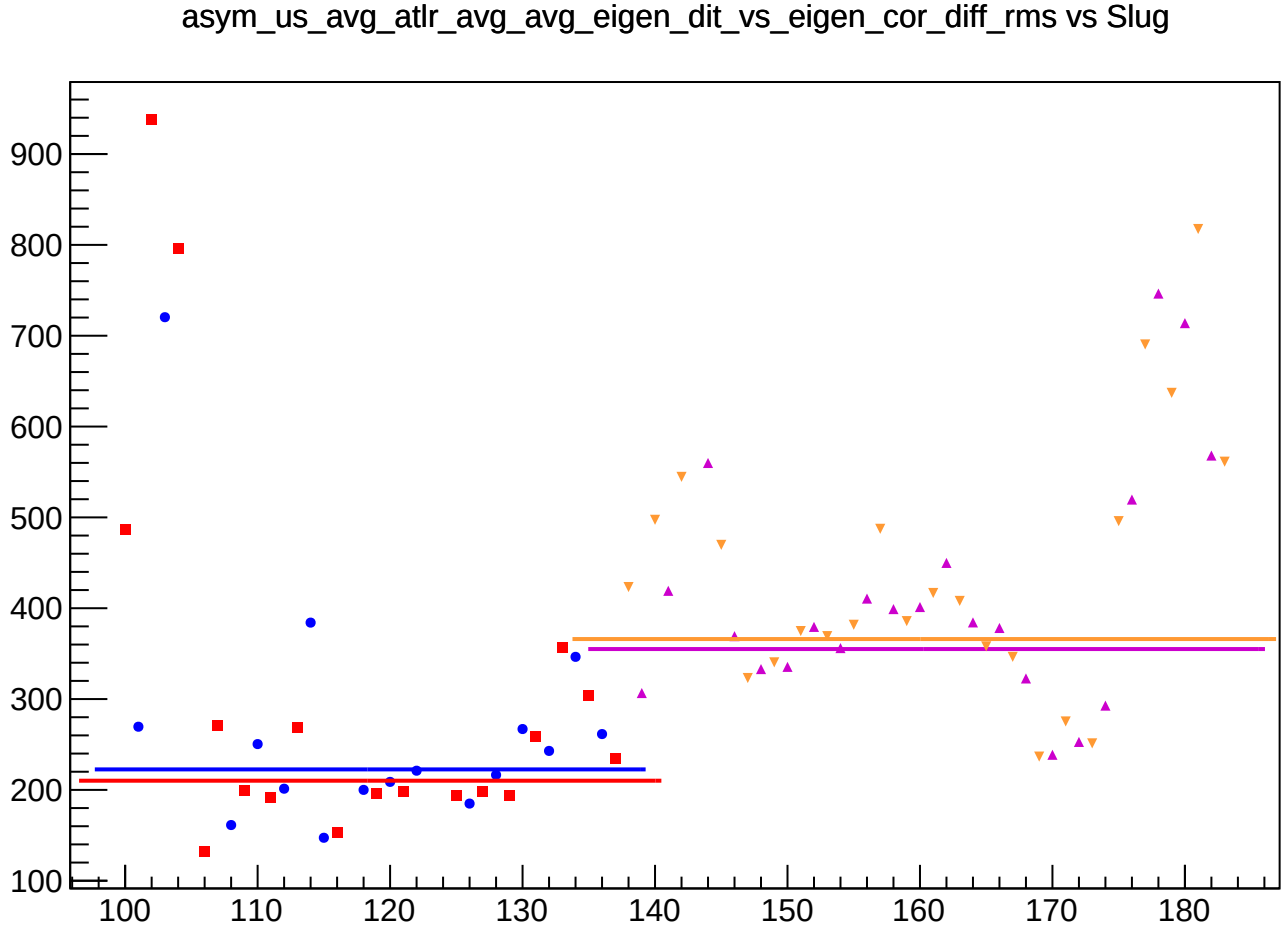
Left In: 355.061+/-0.062 χ^2/NDF:2402078.3/21

+ sign 292.436+/-0.045 χ^2/NDF: 6404264.0/38

All: 287.040+/-0.031 χ^2/NDF: 13104425.2/78

- sign 281.877+/-0.044 χ^2/NDF: 6671913.0/39


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.040+/-0.091 χ²/NDF:30.8/22
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.081+/-0.088 χ²/NDF:30.3/21
+ sign -0.050+/-0.064 χ²/NDF: 48.2/38
All: -0.009+/-0.044 χ²/NDF: 106.1/78
- sign 0.030+/-0.062 χ²/NDF: 57.1/39



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 366.073+/-0.064 χ^2/NDF:2834255.3/22

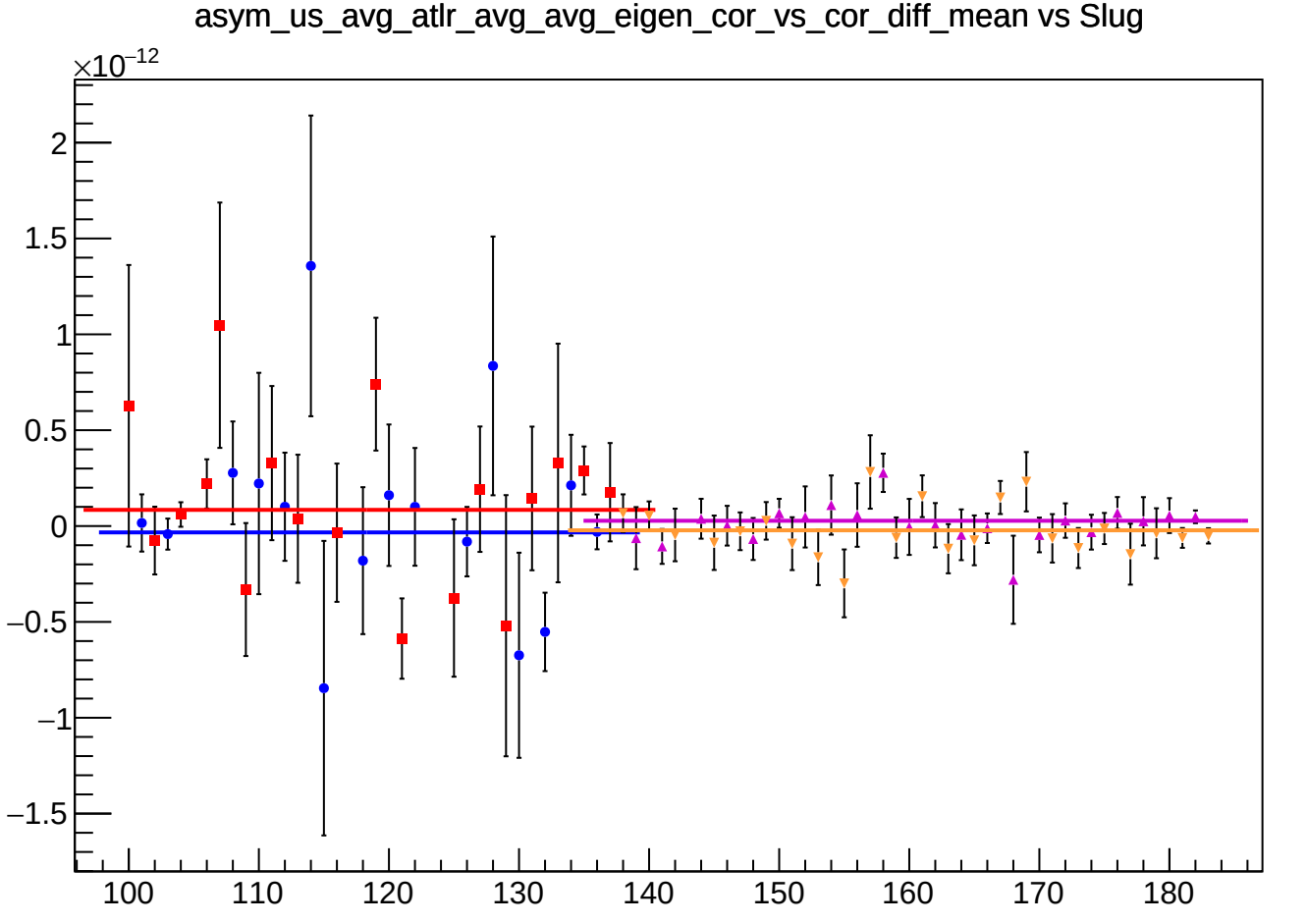
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 355.061+/-0.062 χ^2/NDF:2402078.3/21

+ sign 292.436+/-0.045 χ^2/NDF: 6404264.0/38

All: 287.040+/-0.031 χ^2/NDF: 13104425.2/78

- sign 281.877+/-0.044 χ^2/NDF: 6671913.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/22

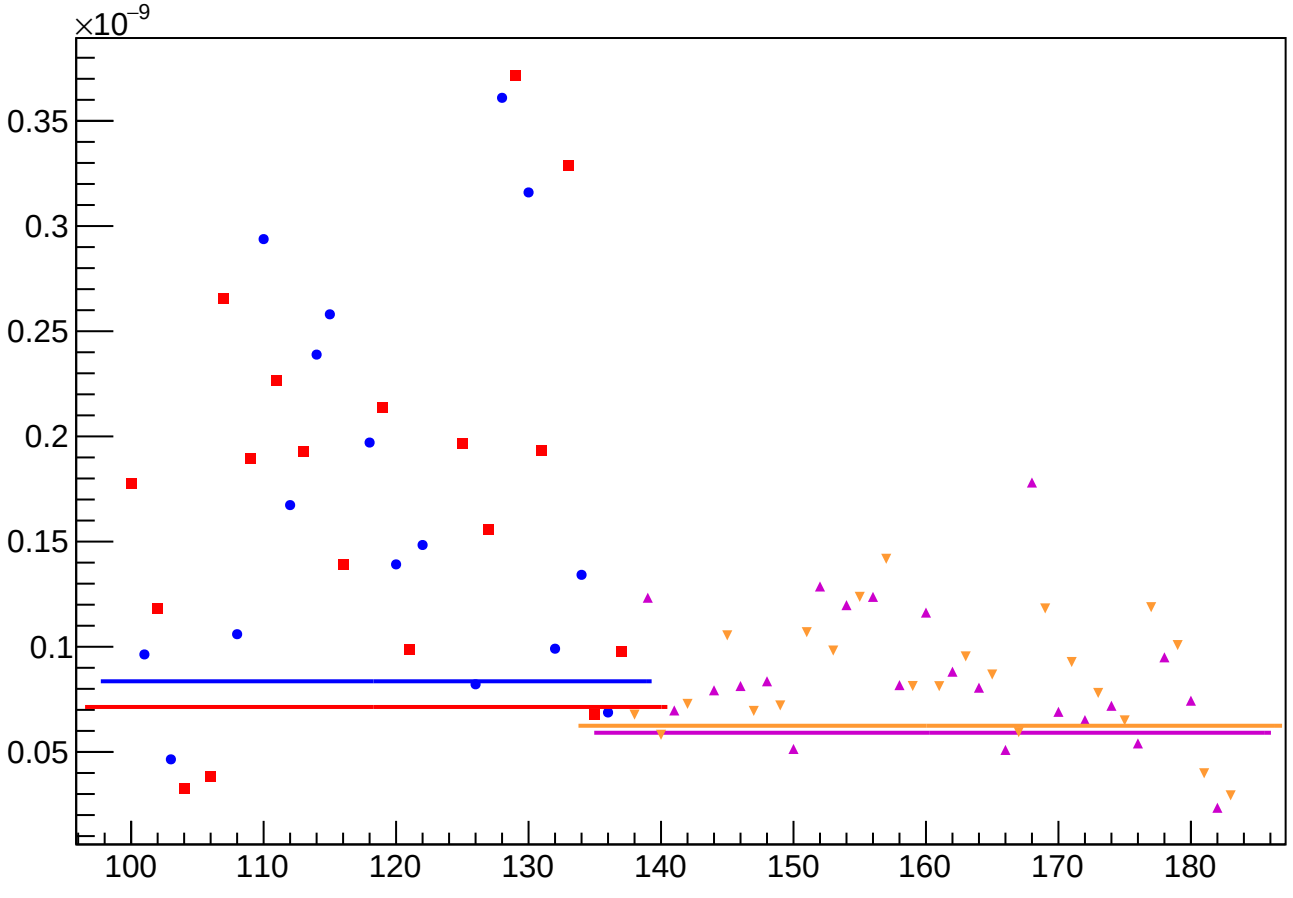
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/21

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/38

All: 0.000+/-0.000 χ^2/NDF: 86.0/78

- sign 0.000+/-0.000 χ^2/NDF: 41.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4078594.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

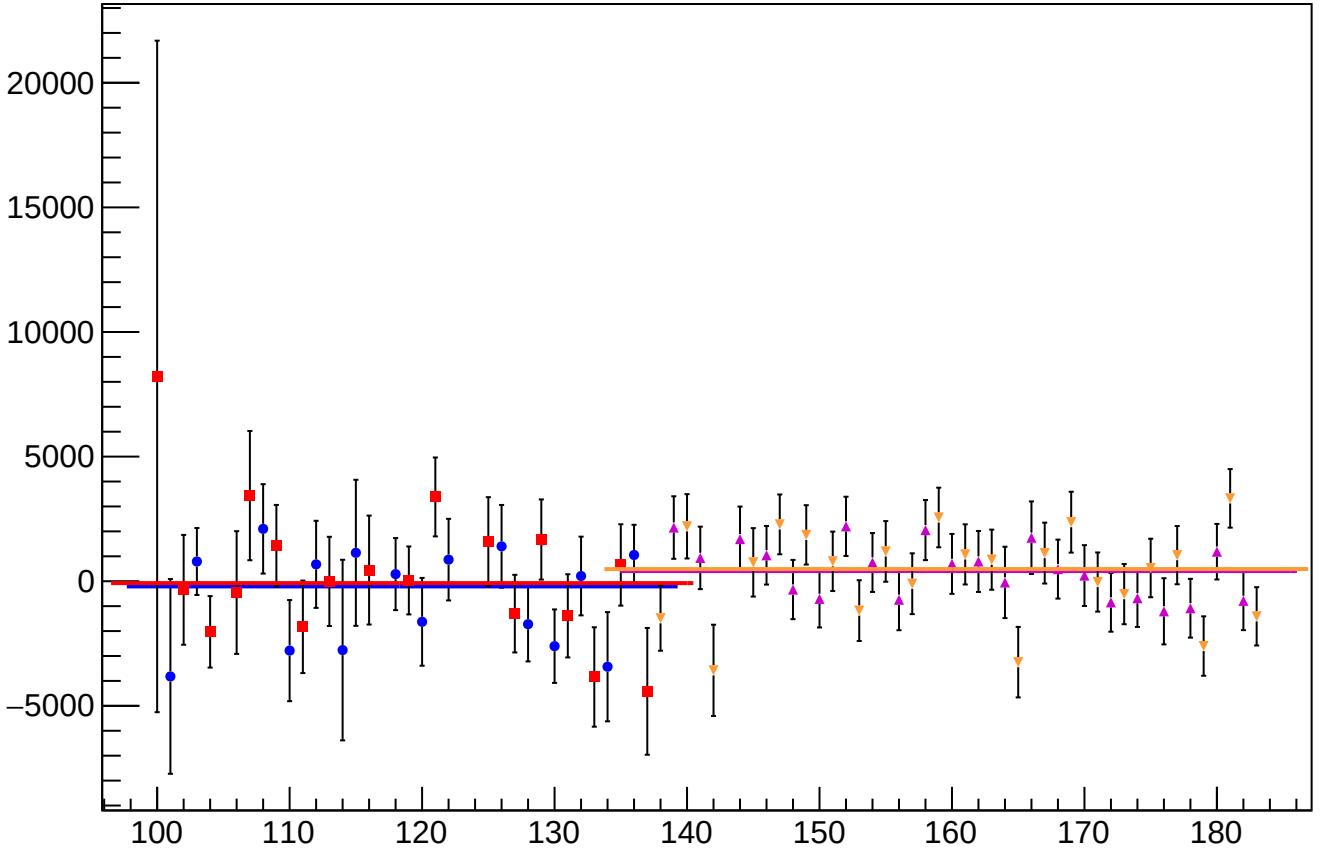
Left In: 0.000+/-0.000 χ^2/NDF:5354400.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 6657780.3/38

All: 0.000+/-0.000 χ^2/NDF: 15952071.9/78

- sign 0.000+/-0.000 χ^2/NDF: 9229052.3/39

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 488.098+/-257.621 χ^2/NDF:44.3/22

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

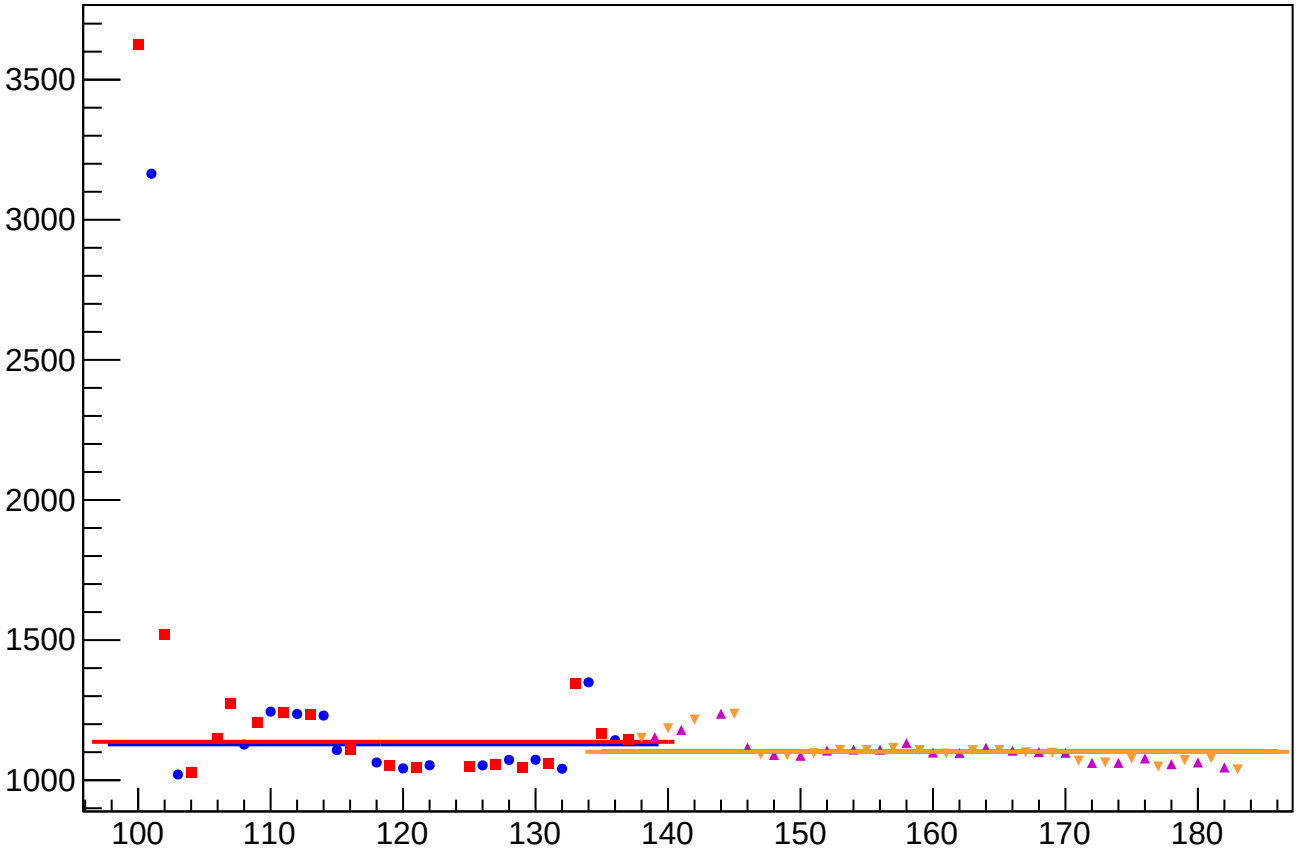
Left In: 409.139+/-259.744 χ^2/NDF:17.6/21

+ sign 303.612+/-220.879 χ^2/NDF: 61.0/38

All: 291.830+/-156.732 χ^2/NDF: 100.2/78

- sign 279.881+/-222.435 χ^2/NDF: 39.2/39

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1101.315+/-0.182 χ^2/NDF:55814.2/22

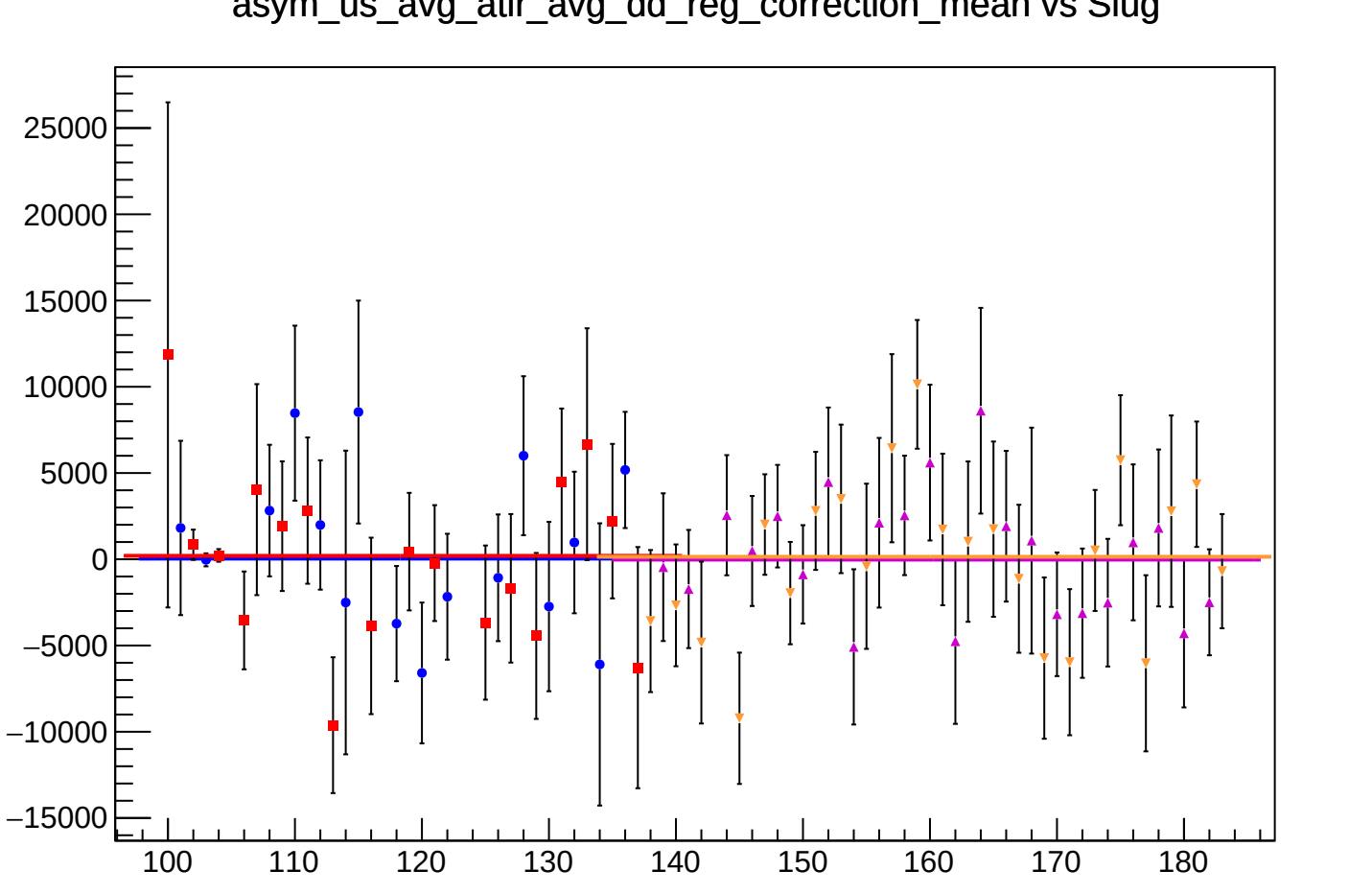
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1102.574+/-0.184 χ^2/NDF:50356.0/21

+ sign 1108.386+/-0.156 χ^2/NDF: 682896.4/38

All: 1110.076+/-0.111 χ^2/NDF: 962989.9/78

- sign 1111.789+/-0.157 χ^2/NDF: 279857.5/39



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 143.903+/-828.962 χ^2/NDF:28.6/22

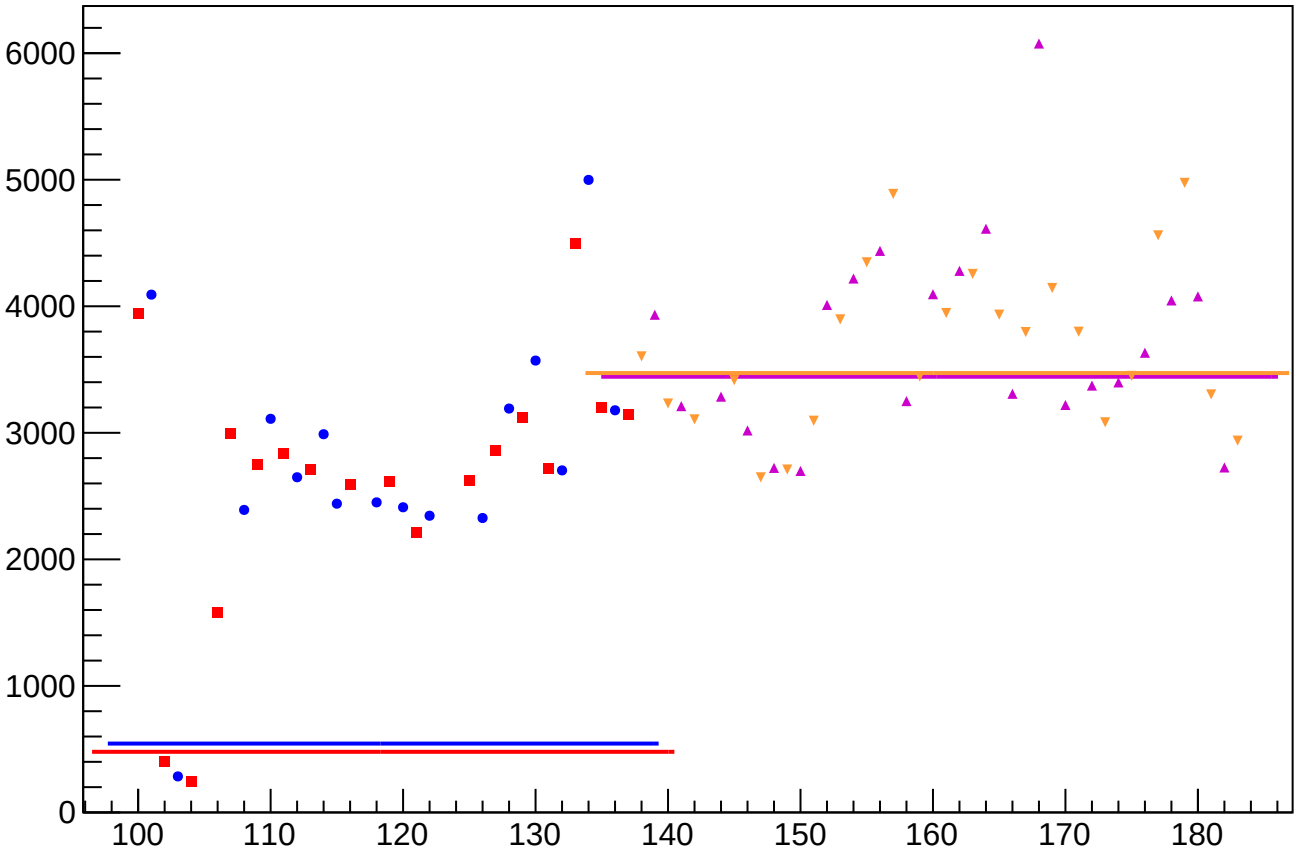
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -21.206+/-827.559 χ^2/NDF:13.3/21

\+ sign 54.873+/-328.391 χ^2/NDF: 43.5/38

All: 118.754+/-221.701 χ^2/NDF: 72.6/78

\- sign 172.253+/-300.525 χ^2/NDF: 29.0/39



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3472.308+/-0.586 χ^2/NDF:1041191.6/22

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

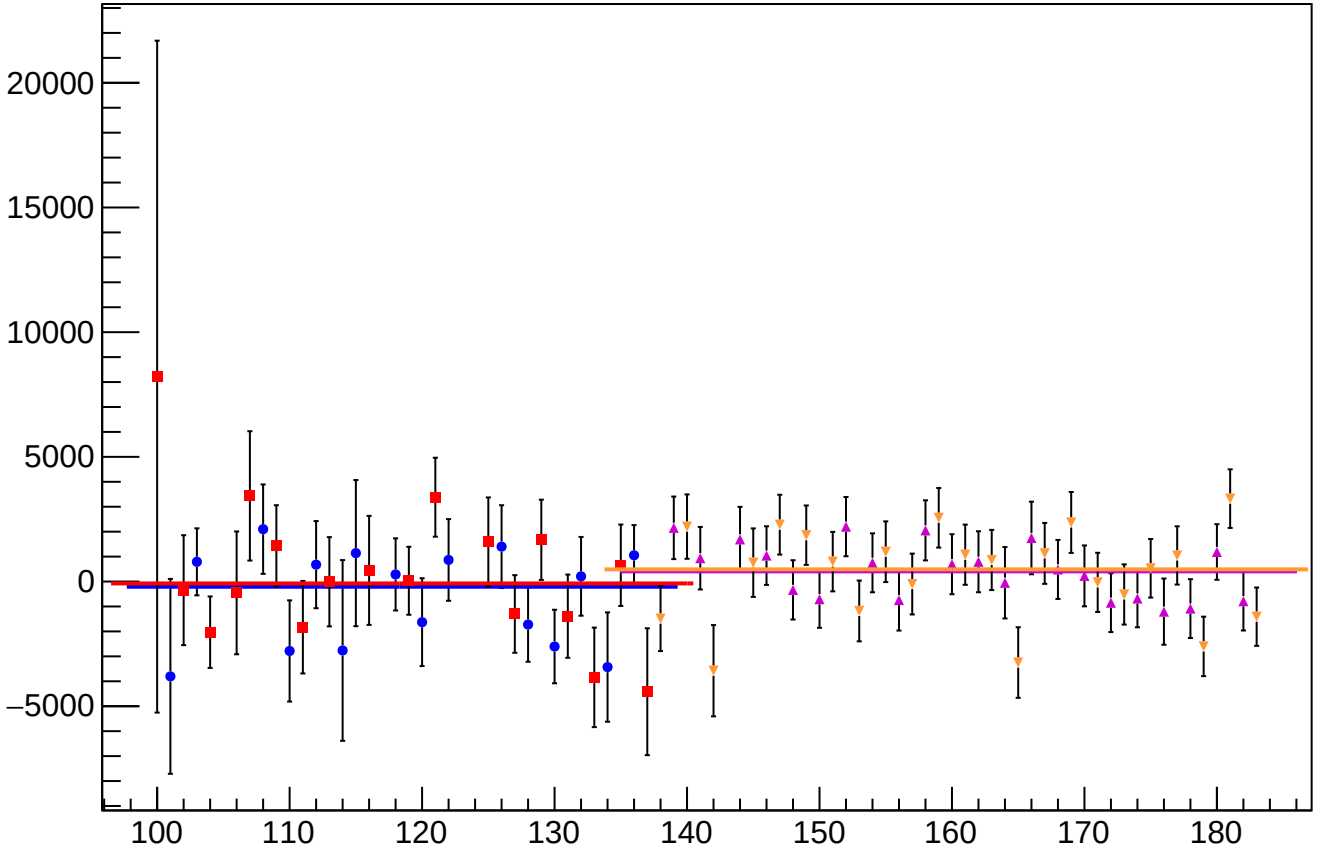
Left In: 3443.200+/-0.585 χ^2/NDF:1215450.4/21

+ sign 1003.829+/-0.232 χ^2/NDF: 31759856.8/38

All: 931.065+/-0.157 χ^2/NDF: 64615524.4/78

- sign 870.125+/-0.213 χ^2/NDF: 32675235.7/39

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 488.178+/-257.621 χ^2/NDF:44.3/22

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

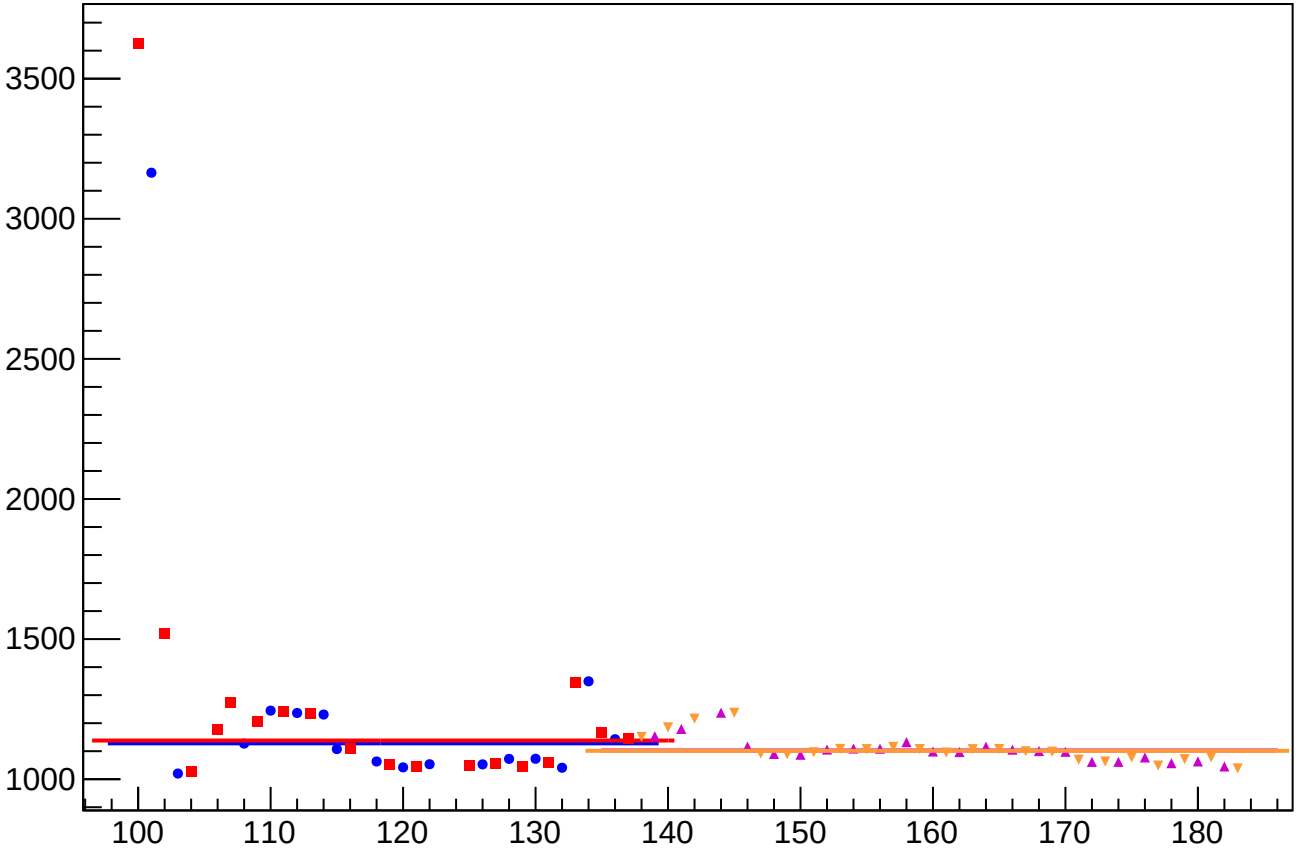
Left In: 409.123+/-259.744 χ^2/NDF:17.6/21

+ sign 303.732+/-220.879 χ^2/NDF: 61.0/38

All: 291.865+/-156.732 χ^2/NDF: 100.2/78

- sign 279.831+/-222.435 χ^2/NDF: 39.2/39

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1101.315+/-0.182 χ^2/NDF:55814.2/22

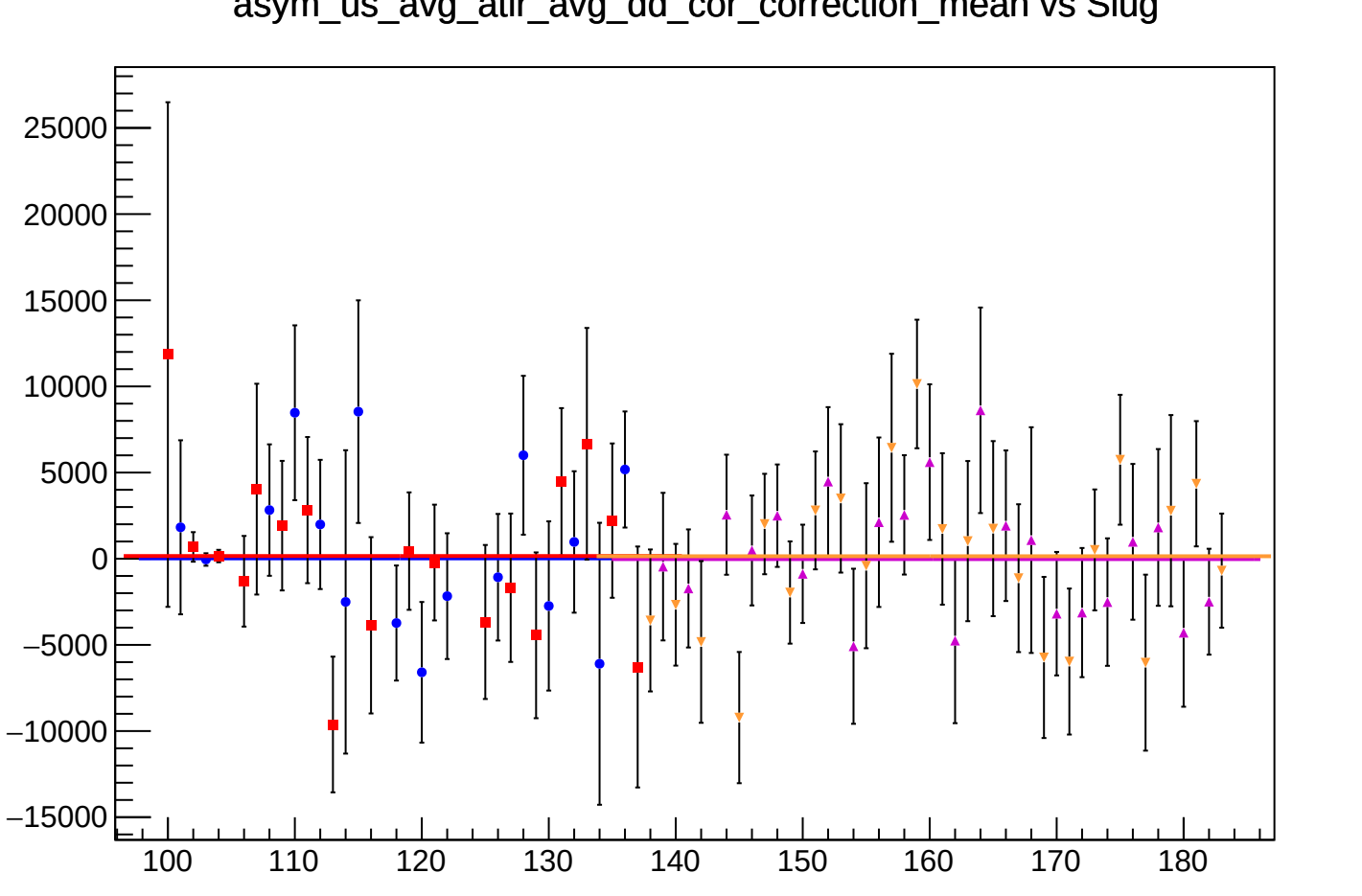
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1102.574+/-0.184 χ^2/NDF:50356.0/21

+ sign 1108.385+/-0.156 χ^2/NDF: 682897.4/38

All: 1110.194+/-0.111 χ^2/NDF: 964075.8/78

- sign 1112.028+/-0.157 χ^2/NDF: 280908.3/39



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 143.941+/-828.963 χ^2/NDF:28.6/22

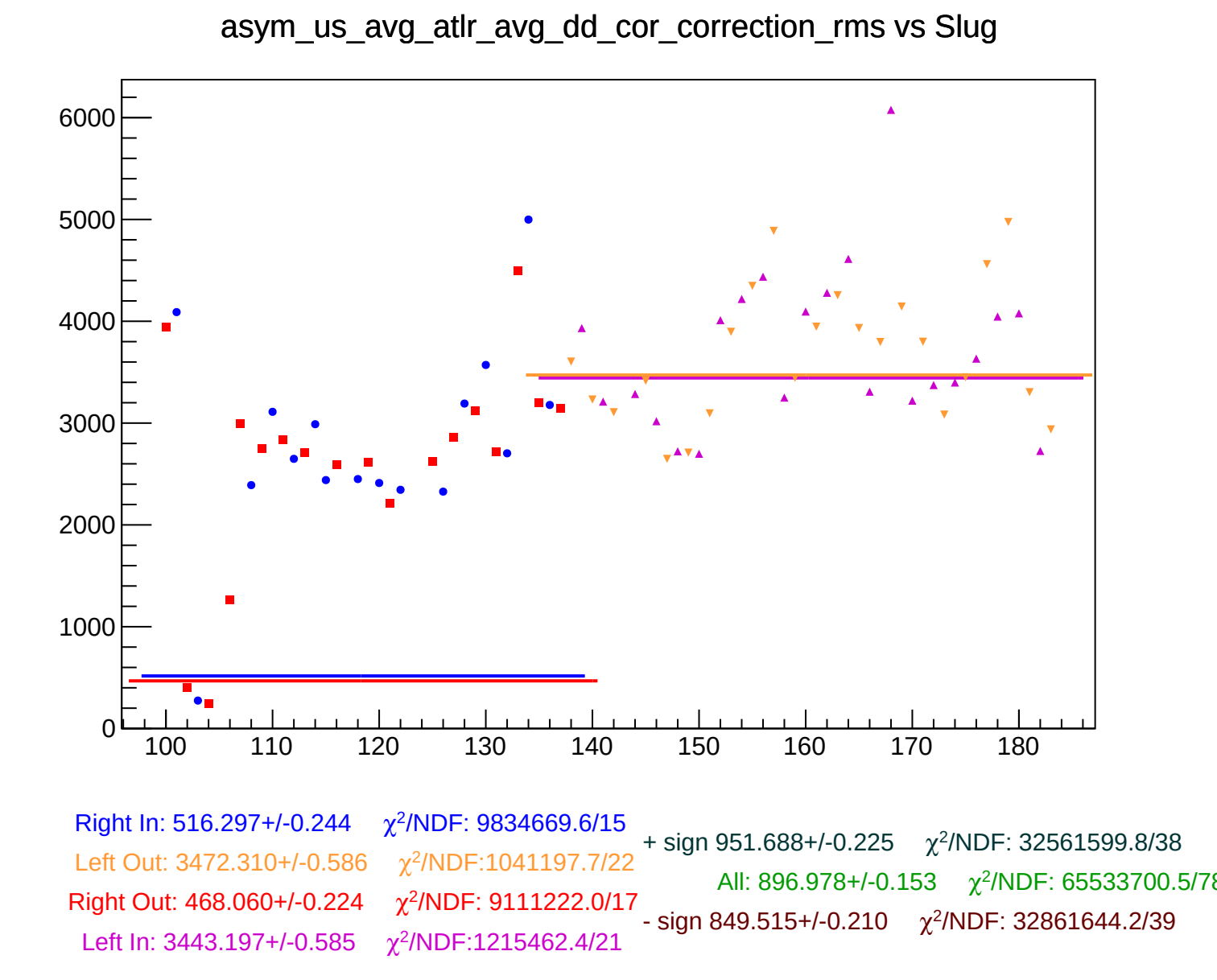
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

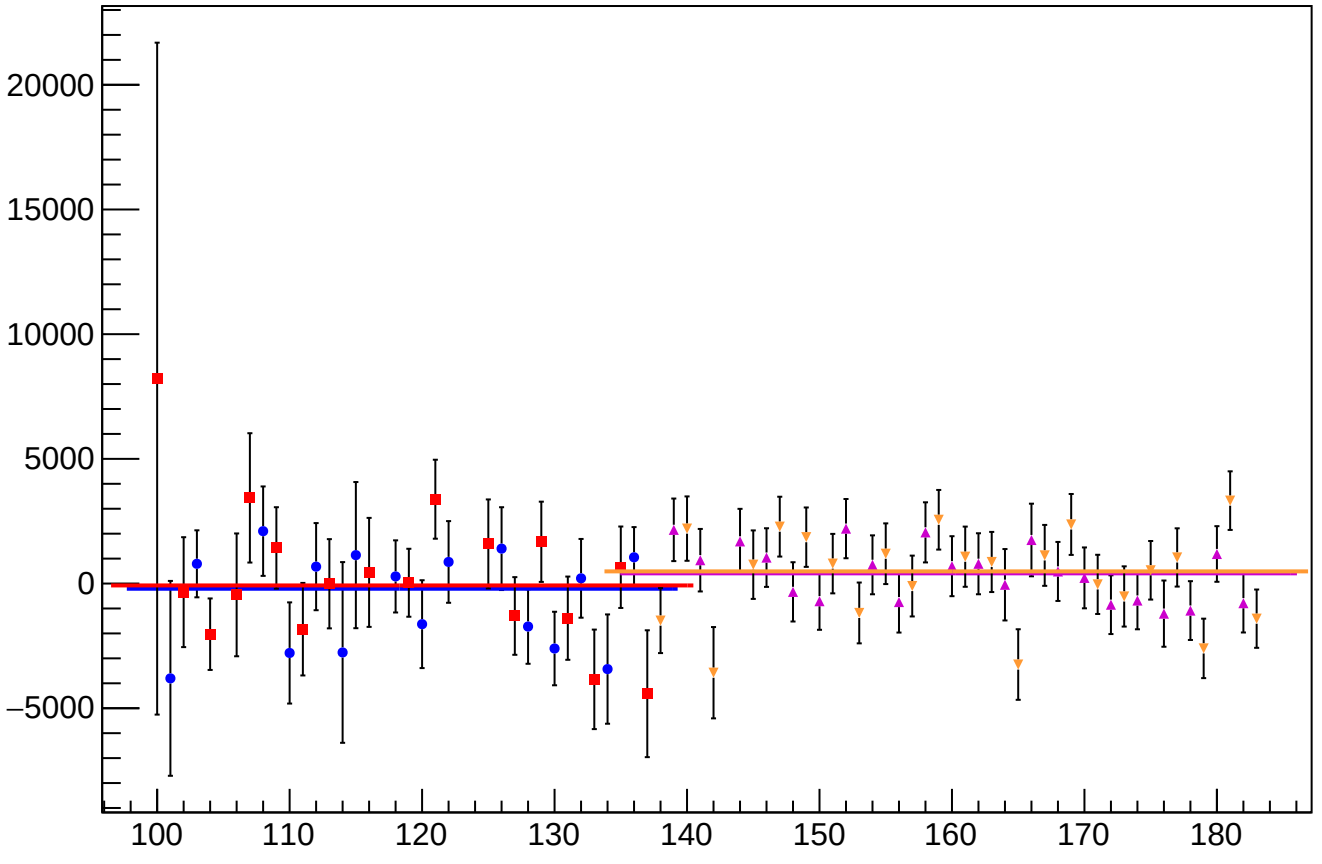
Left In: -21.208+/-827.558 χ^2/NDF:13.3/21

+ sign 39.658+/-318.143 χ^2/NDF: 43.5/38

All: 89.897+/-216.836 χ^2/NDF: 70.9/78

- sign 133.481+/-296.324 χ^2/NDF: 27.4/39


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3472.310+/-0.586 χ²/NDF:1041197.7/22
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3443.197+/-0.585 χ²/NDF:1215462.4/21
+ sign 951.688+/-0.225 χ²/NDF: 32561599.8/38
All: 896.978+/-0.153 χ²/NDF: 65533700.5/78
- sign 849.515+/-0.210 χ²/NDF: 32861644.2/39



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 488.178+/-257.621 χ^2/NDF:44.3/22

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

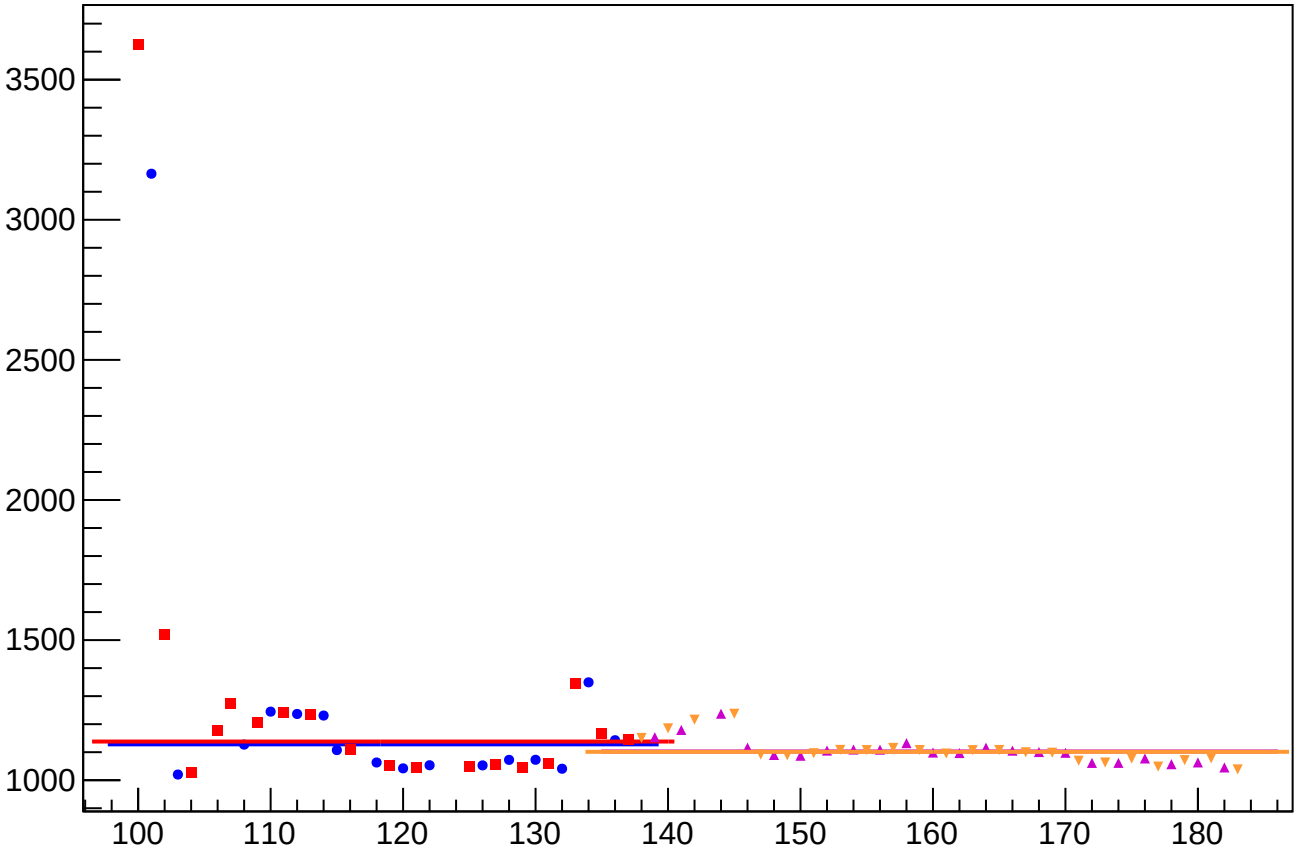
Left In: 409.123+/-259.744 χ^2/NDF:17.6/21

+ sign 303.732+/-220.879 χ^2/NDF: 61.0/38

All: 291.865+/-156.732 χ^2/NDF: 100.2/78

- sign 279.831+/-222.435 χ^2/NDF: 39.2/39

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1101.315+/-0.182 χ^2/NDF:55814.2/22

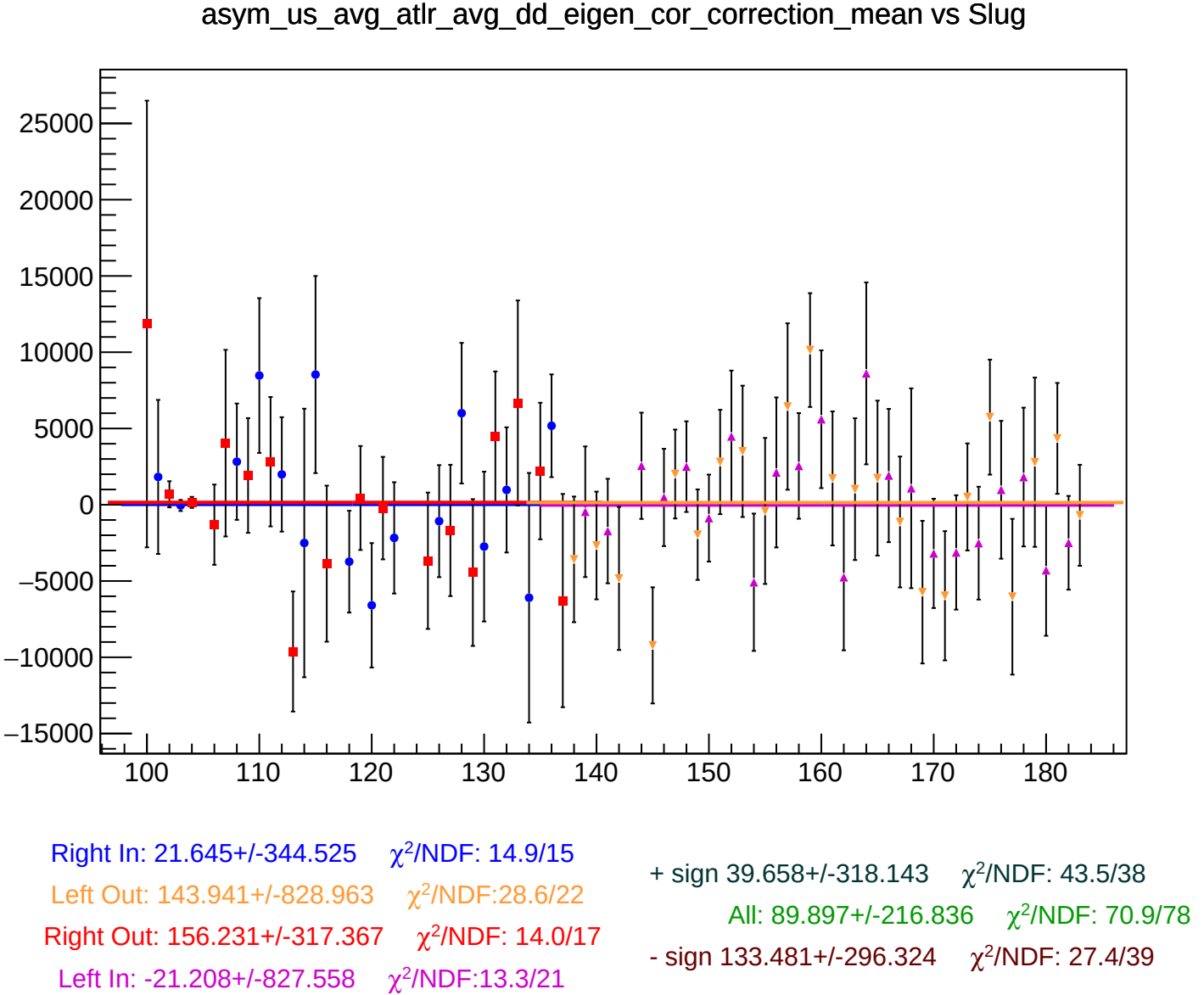
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

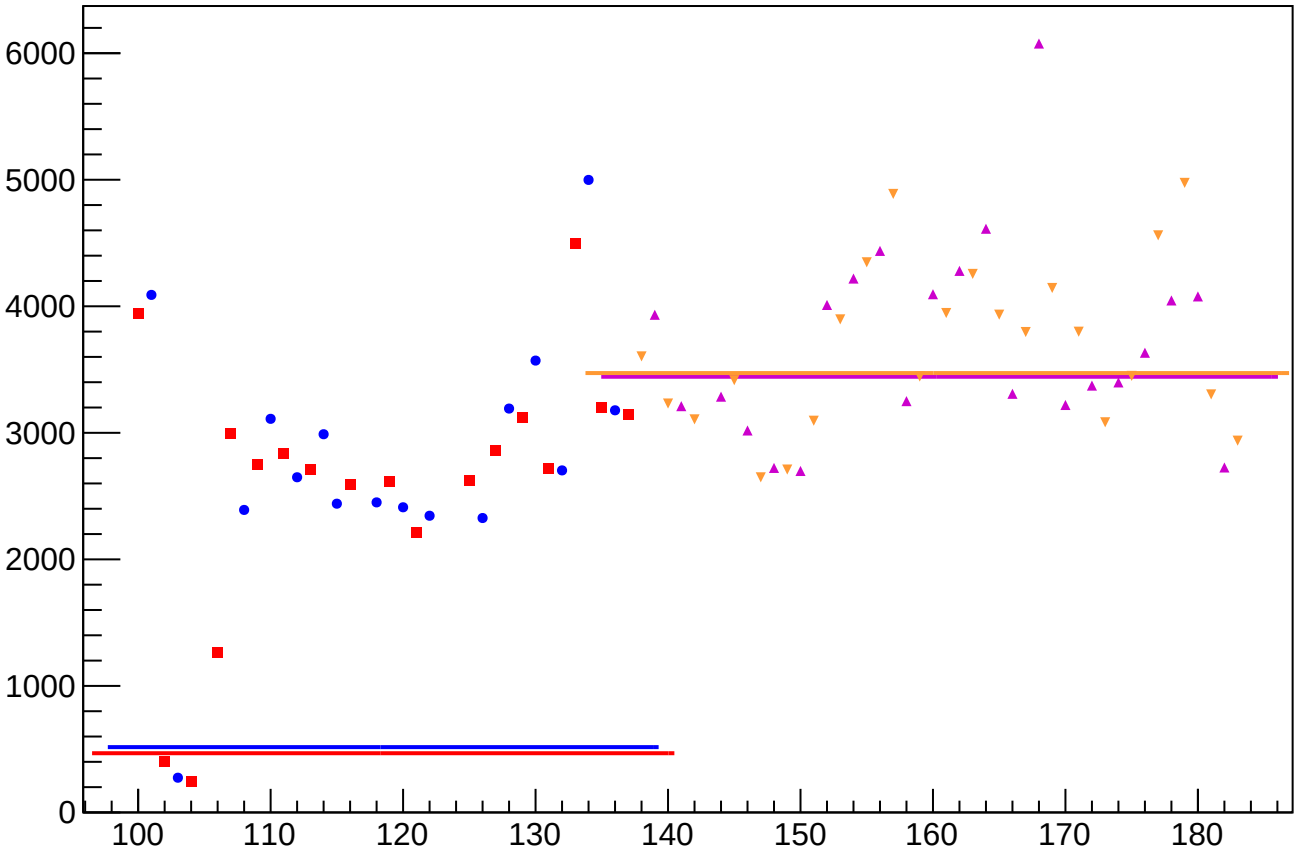
Left In: 1102.574+/-0.184 χ^2/NDF:50356.0/21

+ sign 1108.385+/-0.156 χ^2/NDF: 682897.4/38

All: 1110.194+/-0.111 χ^2/NDF: 964075.8/78

- sign 1112.028+/-0.157 χ^2/NDF: 280908.3/39


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 143.941+/-828.963 χ²/NDF:28.6/22
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -21.208+/-827.558 χ²/NDF:13.3/21
+ sign 39.658+/-318.143 χ²/NDF: 43.5/38
All: 89.897+/-216.836 χ²/NDF: 70.9/78
- sign 133.481+/-296.324 χ²/NDF: 27.4/39



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3472.310+/-0.586 χ^2/NDF:1041197.7/22

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

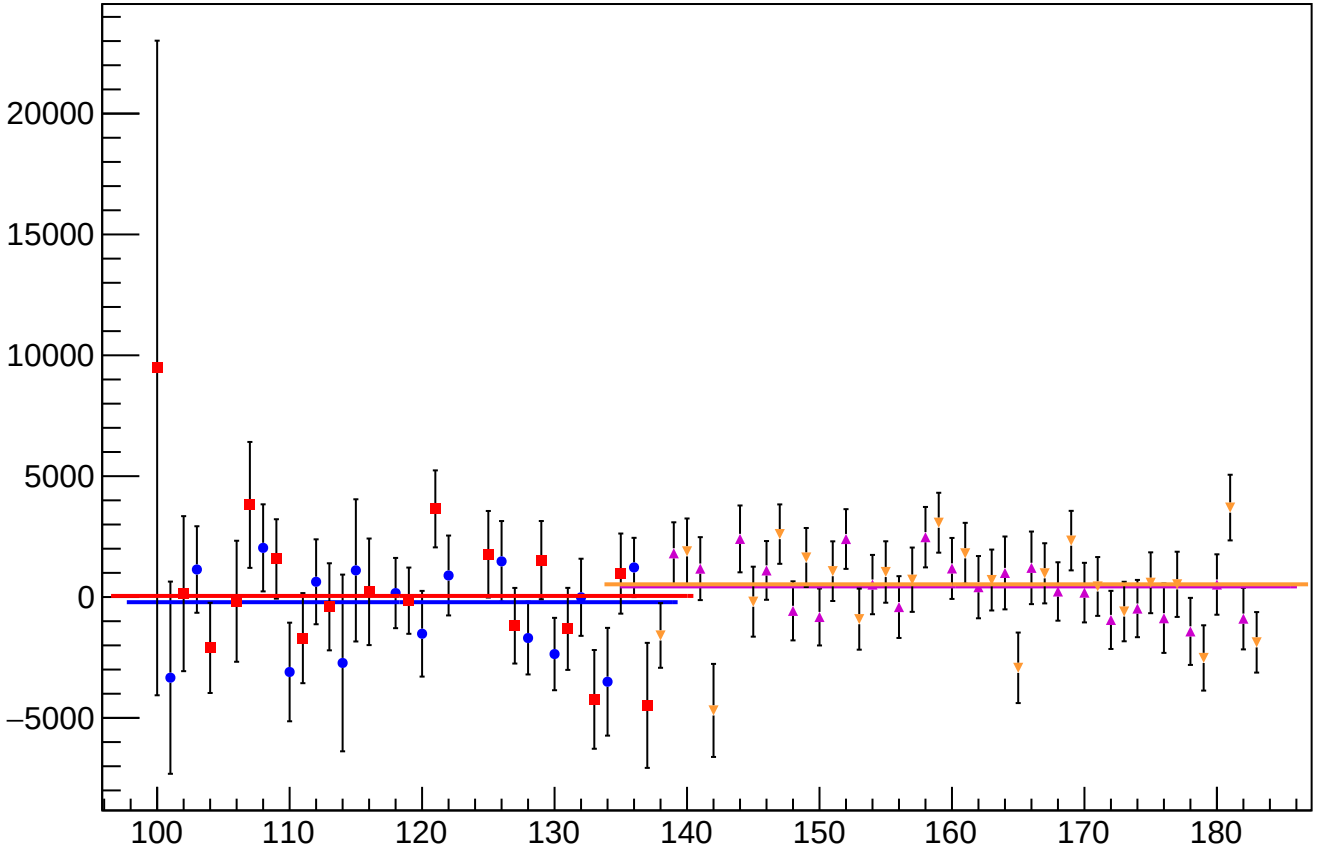
Left In: 3443.197+/-0.585 χ^2/NDF:1215462.4/21

+ sign 951.688+/-0.225 χ^2/NDF: 32561599.8/38

All: 896.978+/-0.153 χ^2/NDF: 65533700.5/78

- sign 849.515+/-0.210 χ^2/NDF: 32861644.2/39

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 526.162+/-271.375 χ^2/NDF:44.7/22

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

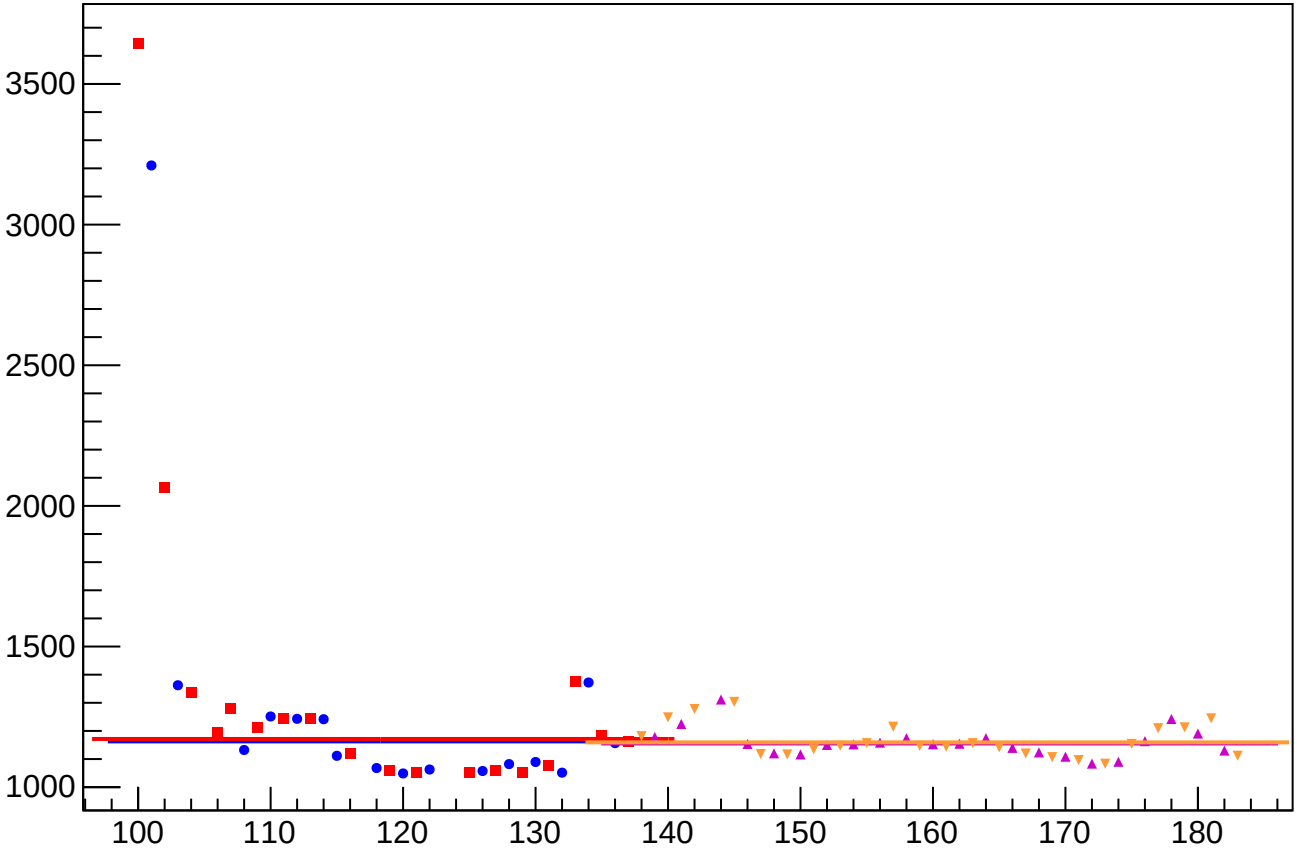
Left In: 439.623+/-272.298 χ^2/NDF:17.7/21

+ sign 324.240+/-231.362 χ^2/NDF: 61.1/38

All: 328.617+/-164.026 χ^2/NDF: 101.0/78

- sign 333.040+/-232.579 χ^2/NDF: 40.0/39

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1159.333+/-0.192 χ^2/NDF:81831.6/22

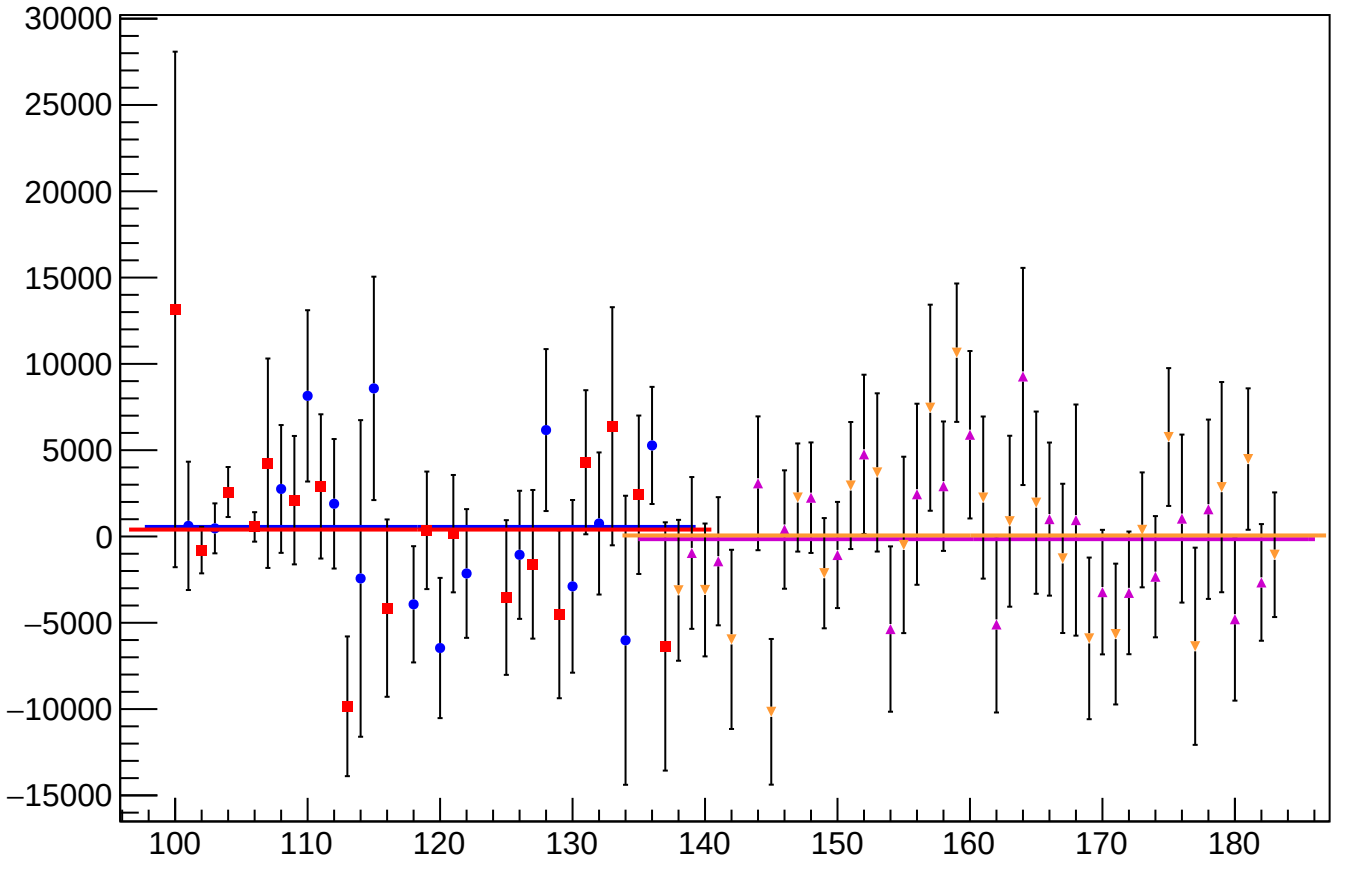
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1155.373+/-0.193 χ^2/NDF:64537.3/21

+ sign 1160.294+/-0.164 χ^2/NDF: 717276.8/38

All: 1160.007+/-0.116 χ^2/NDF: 1115341.1/78

- sign 1159.716+/-0.164 χ^2/NDF: 398058.0/39



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 59.235+/-877.482 χ^2/NDF:28.1/22

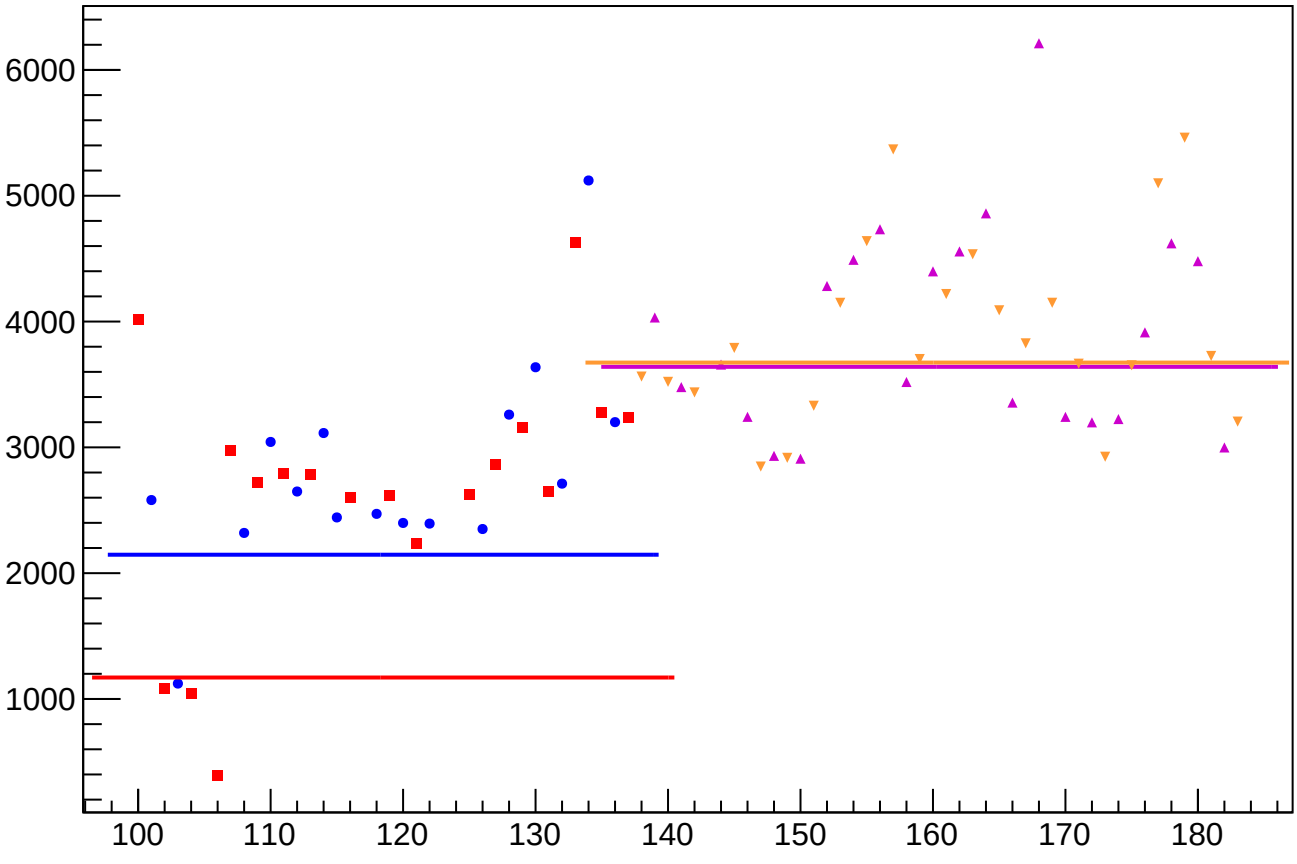
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -155.025+/-875.301 χ^2/NDF:13.2/21

+ sign 306.821+/-619.284 χ^2/NDF: 42.6/38

All: 262.693+/-377.006 χ^2/NDF: 72.7/78

- sign 236.709+/-475.212 χ^2/NDF: 30.1/39



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3673.880+/-0.620 χ^2/NDF:1088160.3/22

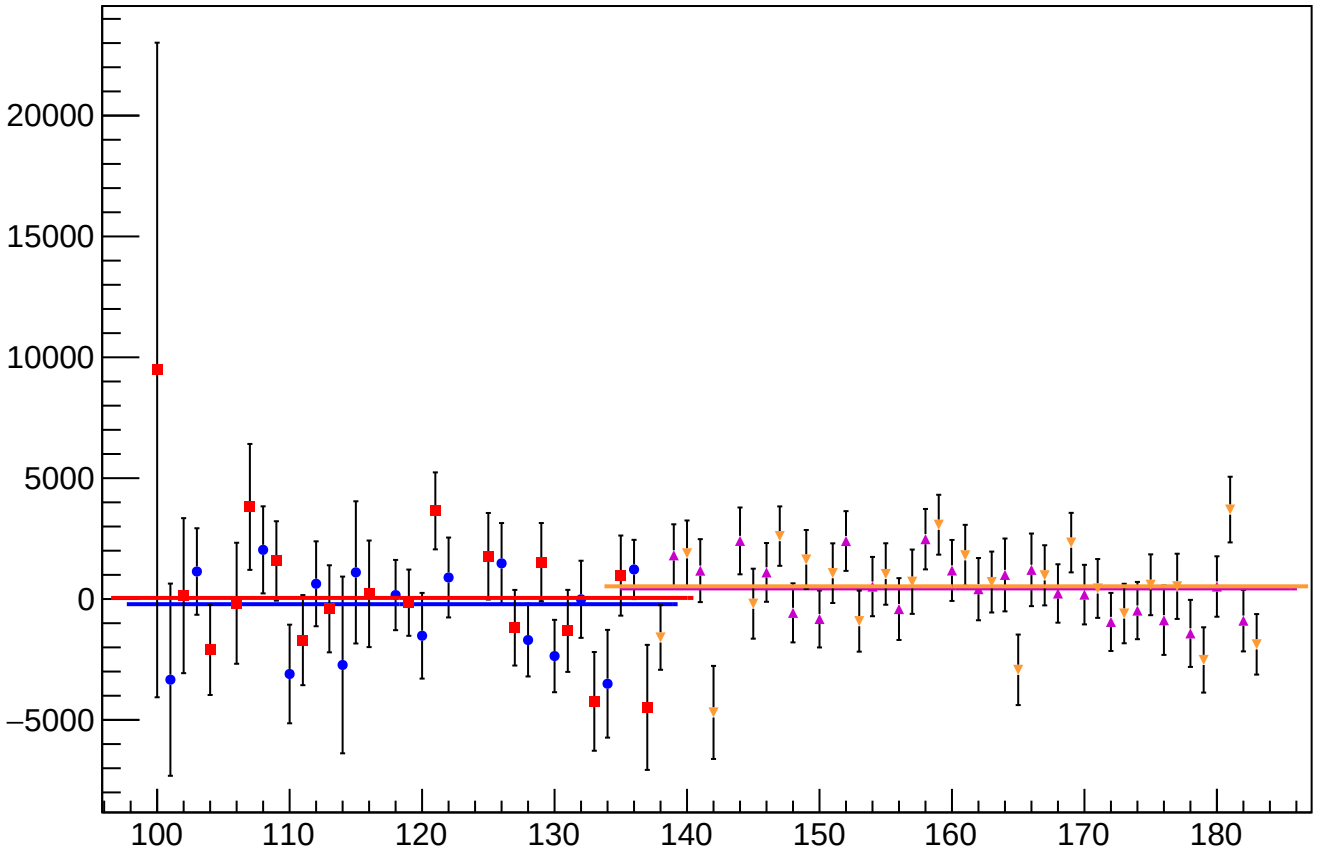
Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3640.129+/-0.619 χ^2/NDF:1235943.8/21

+ sign 2907.324+/-0.438 χ^2/NDF: 6103851.1/38

All: 2272.370+/-0.267 χ^2/NDF: 27725552.6/7

- sign 1898.486+/-0.336 χ^2/NDF: 18281185.6/39



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 526.164+/-271.375 χ^2/NDF:44.7/22

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

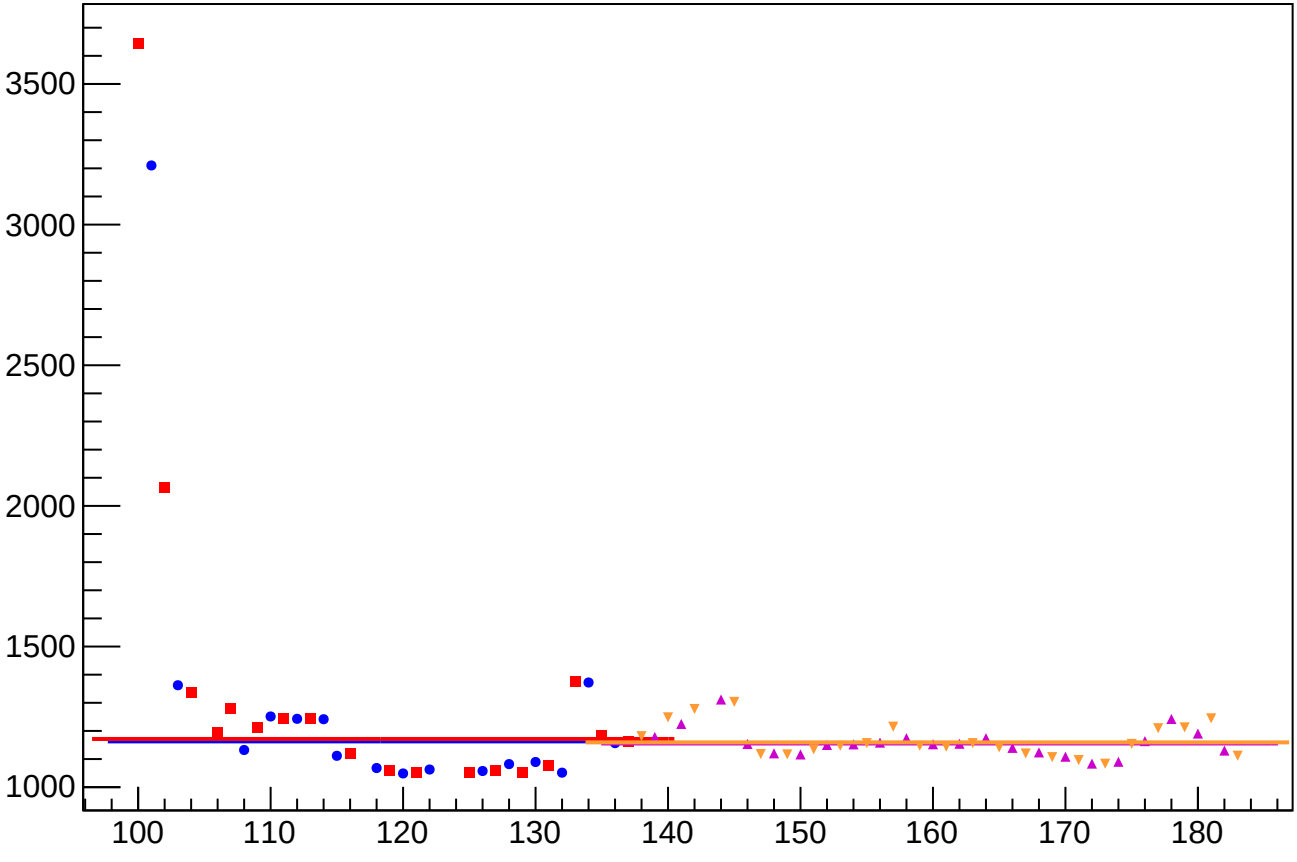
Left In: 439.622+/-272.298 χ^2/NDF:17.7/21

+ sign 324.240+/-231.362 χ^2/NDF: 61.1/38

All: 328.617+/-164.026 χ^2/NDF: 101.0/78

- sign 333.040+/-232.579 χ^2/NDF: 40.0/39

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1159.334+/-0.192 χ^2/NDF:81834.1/22

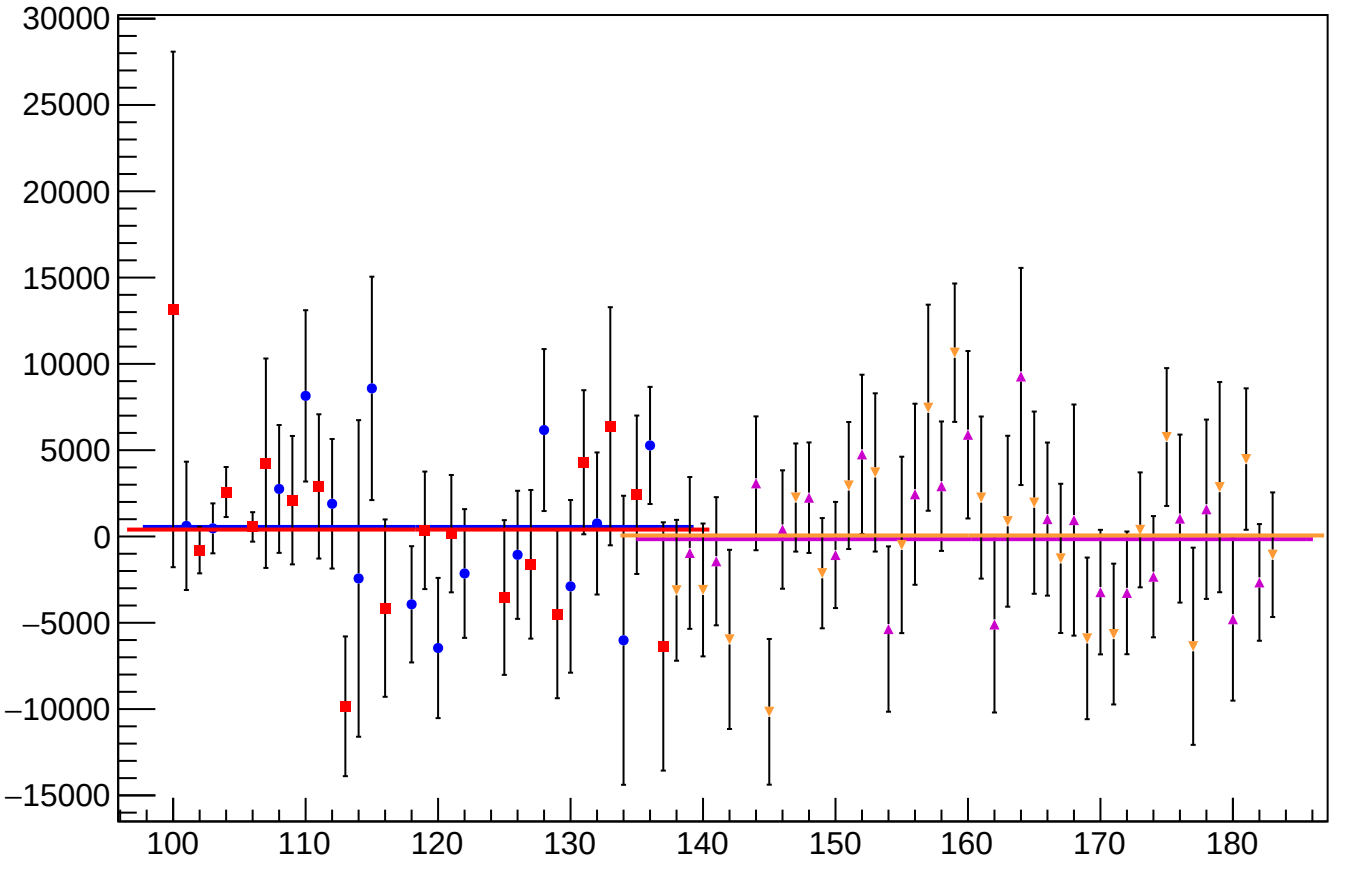
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1155.374+/-0.193 χ^2/NDF:64539.8/21

+ sign 1160.295+/-0.164 χ^2/NDF: 717279.5/38

All: 1160.007+/-0.116 χ^2/NDF: 1115345.6/78

- sign 1159.717+/-0.164 χ^2/NDF: 398059.9/39



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 59.234+/-877.483 χ^2/NDF:28.1/22

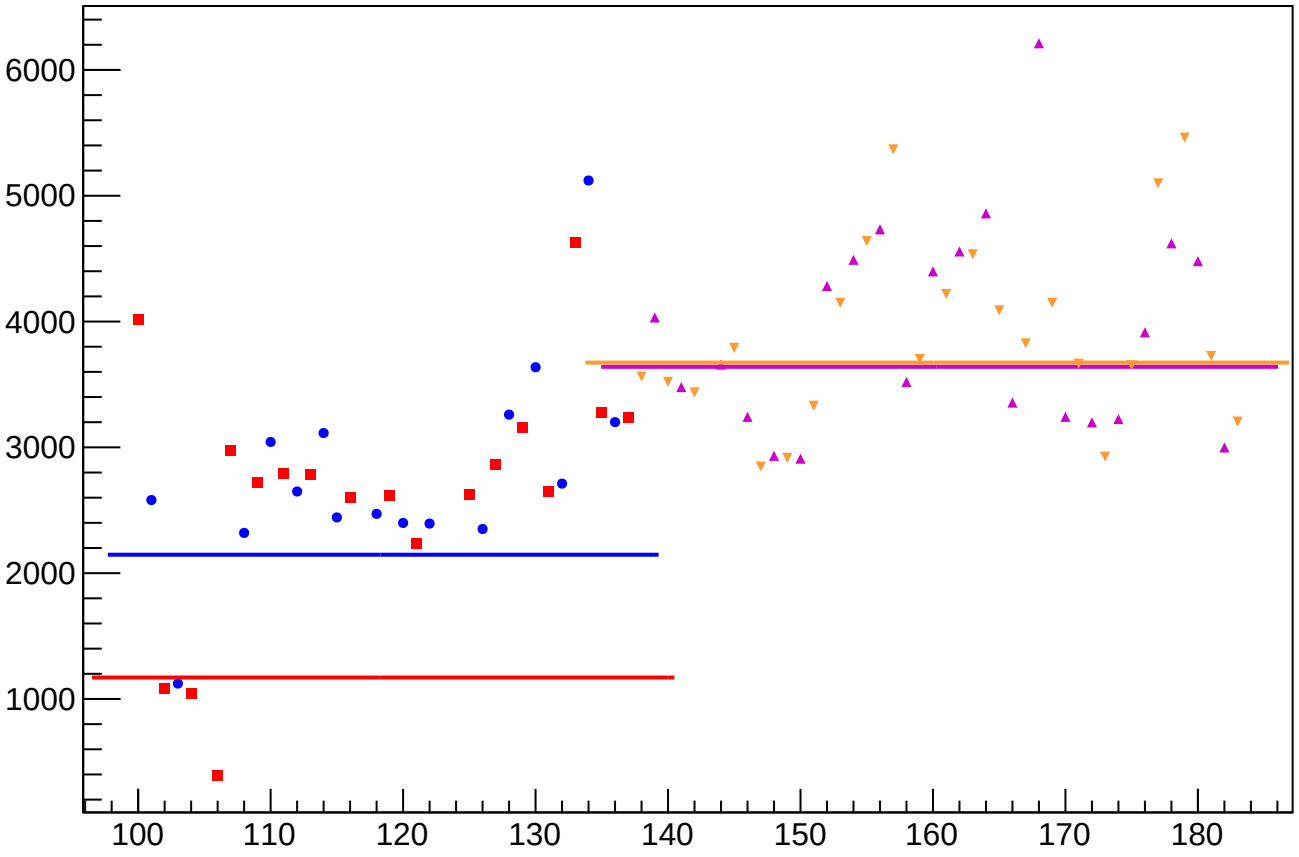
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -155.026+/-875.302 χ^2/NDF:13.2/21

+ sign 306.818+/-619.284 χ^2/NDF: 42.6/38

All: 262.694+/-377.004 χ^2/NDF: 72.7/78

- sign 236.712+/-475.208 χ^2/NDF: 30.1/39



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3673.885+/-0.620 χ^2/NDF:1088163.3/22

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

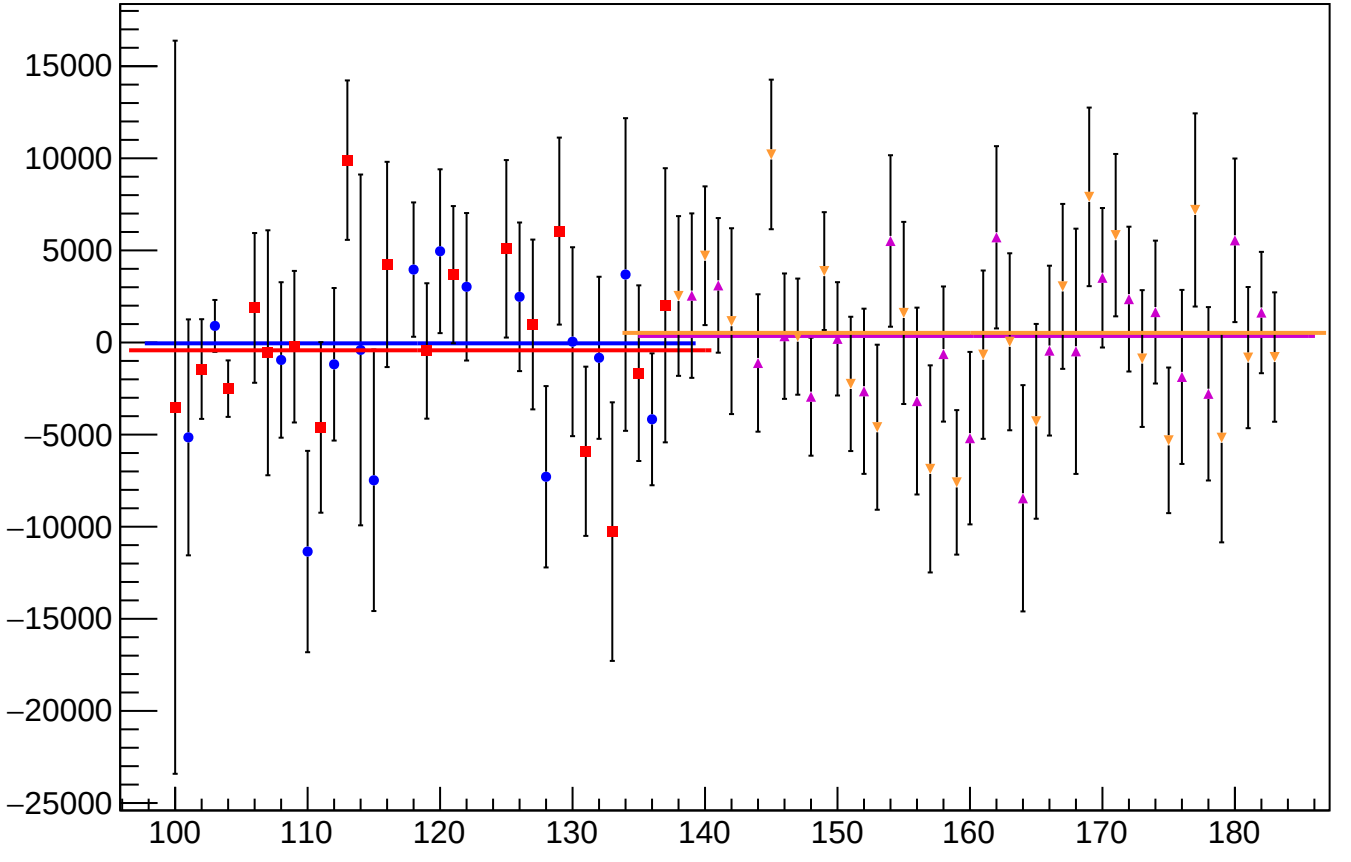
Left In: 3640.134+/-0.619 χ^2/NDF:1235948.5/21

\+ sign 2907.322+/-0.438 χ^2/NDF: 6103883.4/38

All: 2272.348+/-0.267 χ^2/NDF: 27726229.8/7

\- sign 1898.457+/-0.336 χ^2/NDF: 18281628.7/39

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 521.879+/-874.167 χ^2/NDF:26.4/22

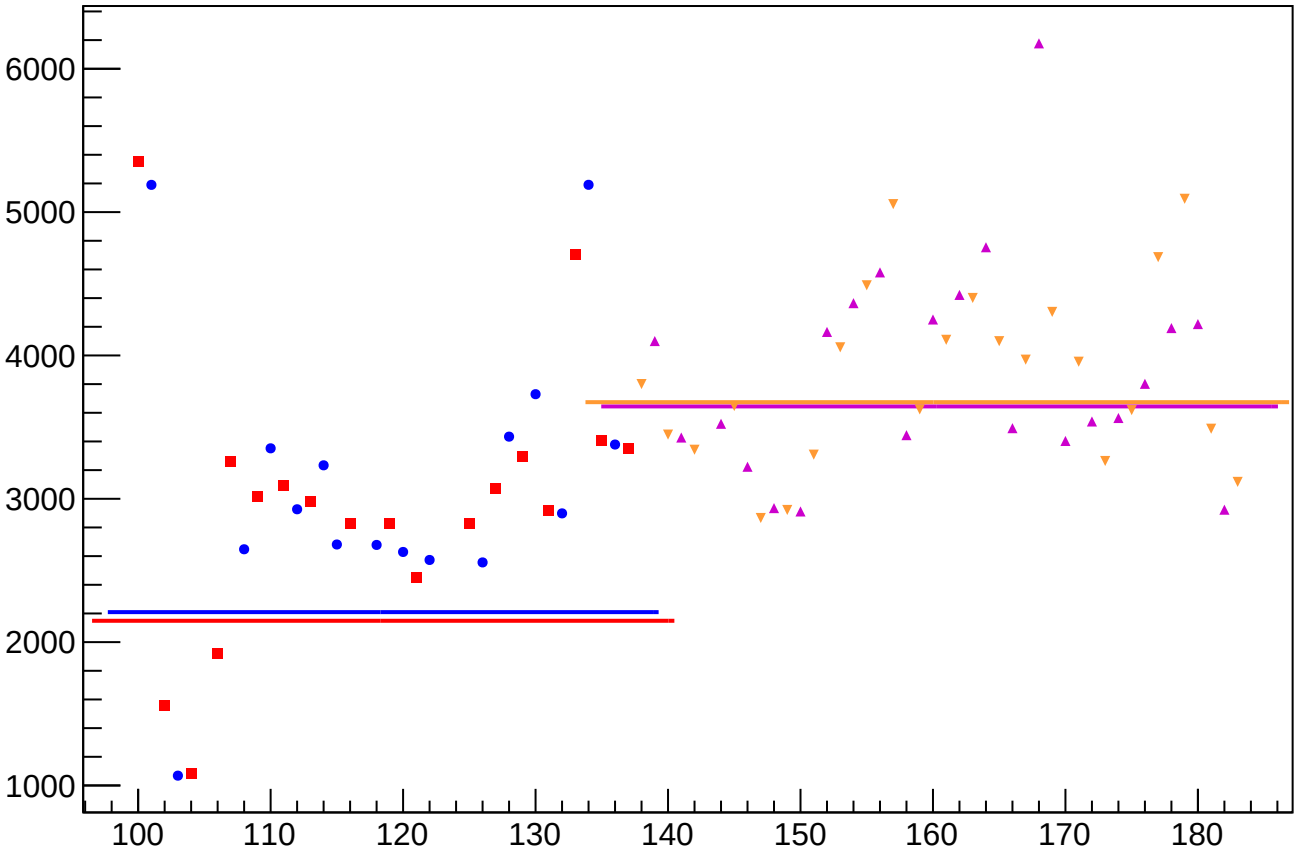
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 355.761+/-873.108 χ^2/NDF:12.2/21

+ sign 253.197+/-633.954 χ^2/NDF: 40.3/38

All: 113.028+/-445.278 χ^2/NDF: 70.4/78

- sign -23.457+/-625.567 χ^2/NDF: 29.9/39



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3674.124+/-0.618 χ^2/NDF:876371.3/22

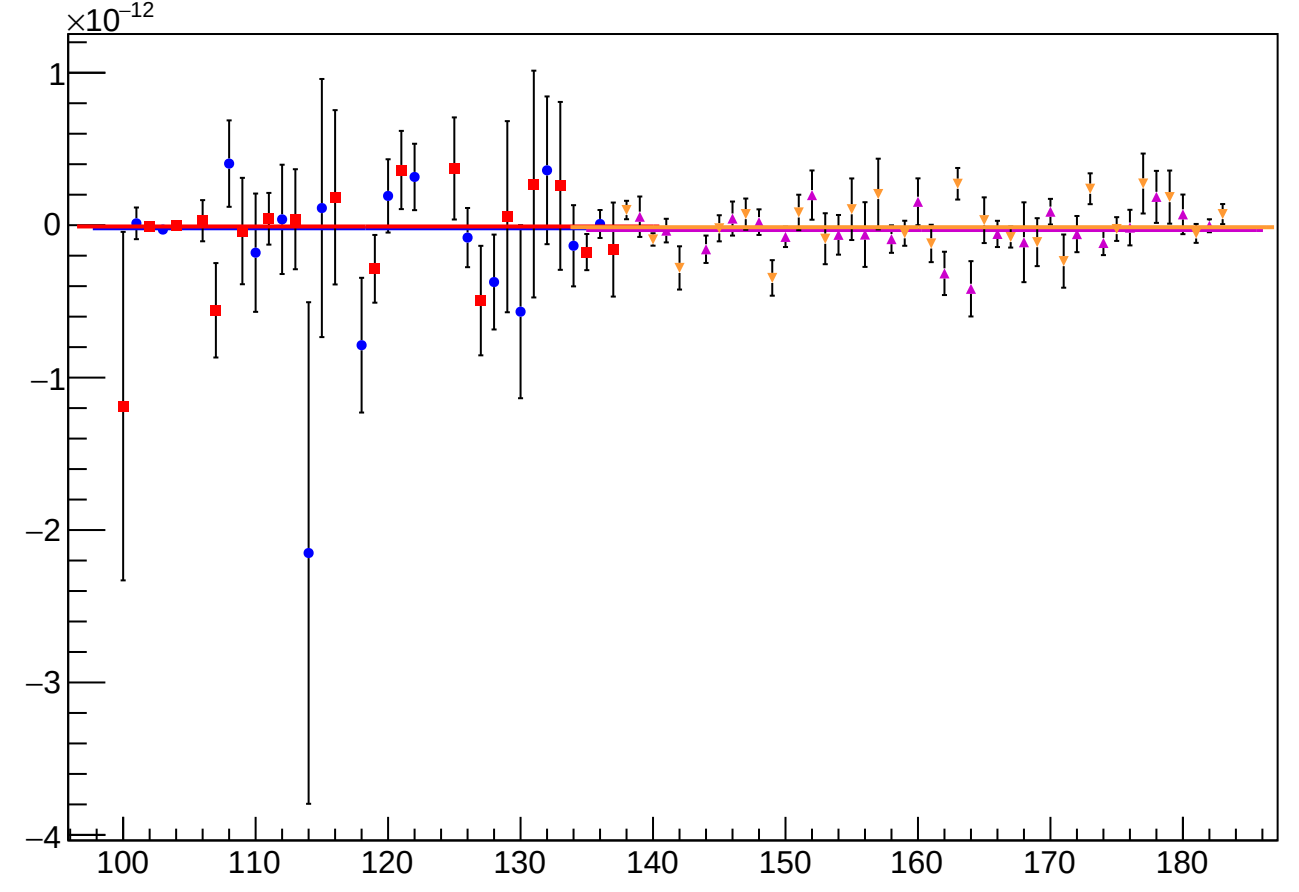
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3644.475+/-0.617 χ^2/NDF:1029697.1/21

+ sign 2979.713+/-0.448 χ^2/NDF: 6375375.3/38

All: 2946.829+/-0.315 χ^2/NDF: 12547991.0/7

- sign 2914.884+/-0.442 χ^2/NDF: 6162006.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/22

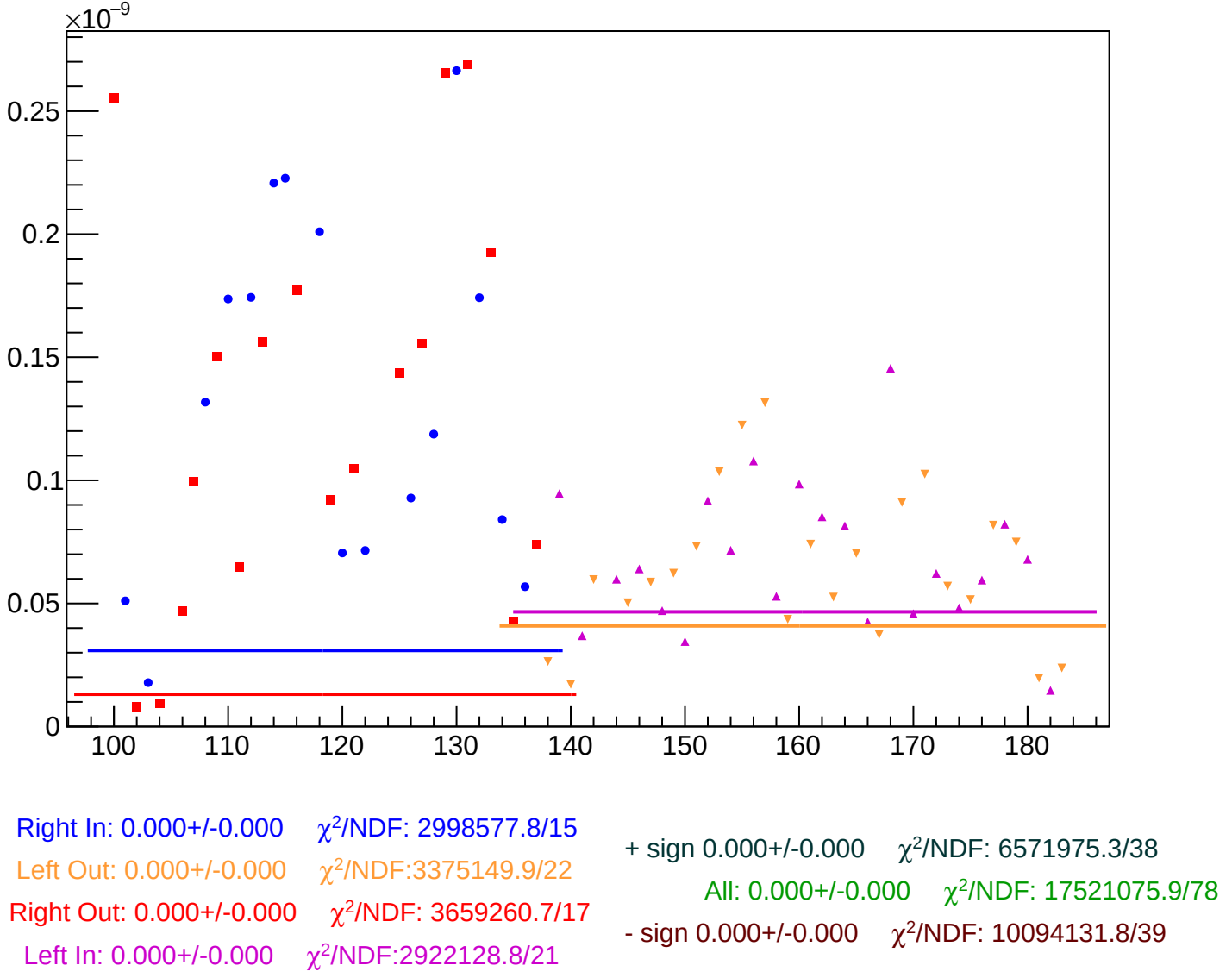
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

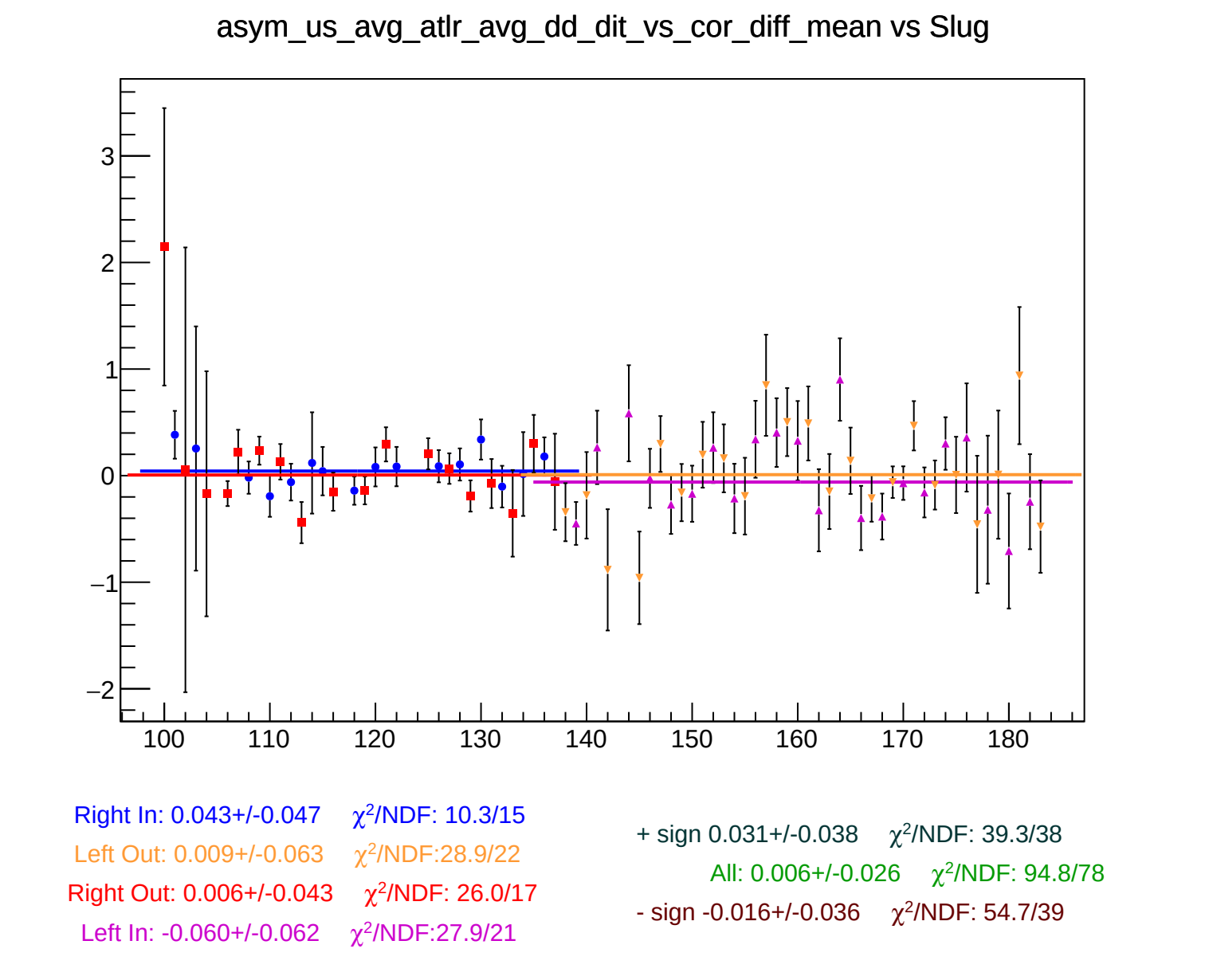
Left In: -0.000+/-0.000 χ^2/NDF:22.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/38

All: -0.000+/-0.000 χ^2/NDF: 96.1/78

- sign -0.000+/-0.000 χ^2/NDF: 37.2/39


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2998577.8/15
Left Out: 0.000+/-0.000 χ²/NDF:3375149.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 3659260.7/17
Left In: 0.000+/-0.000 χ²/NDF:2922128.8/21
+ sign 0.000+/-0.000 χ²/NDF: 6571975.3/38
All: 0.000+/-0.000 χ²/NDF: 17521075.9/78
- sign 0.000+/-0.000 χ²/NDF: 10094131.8/39


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
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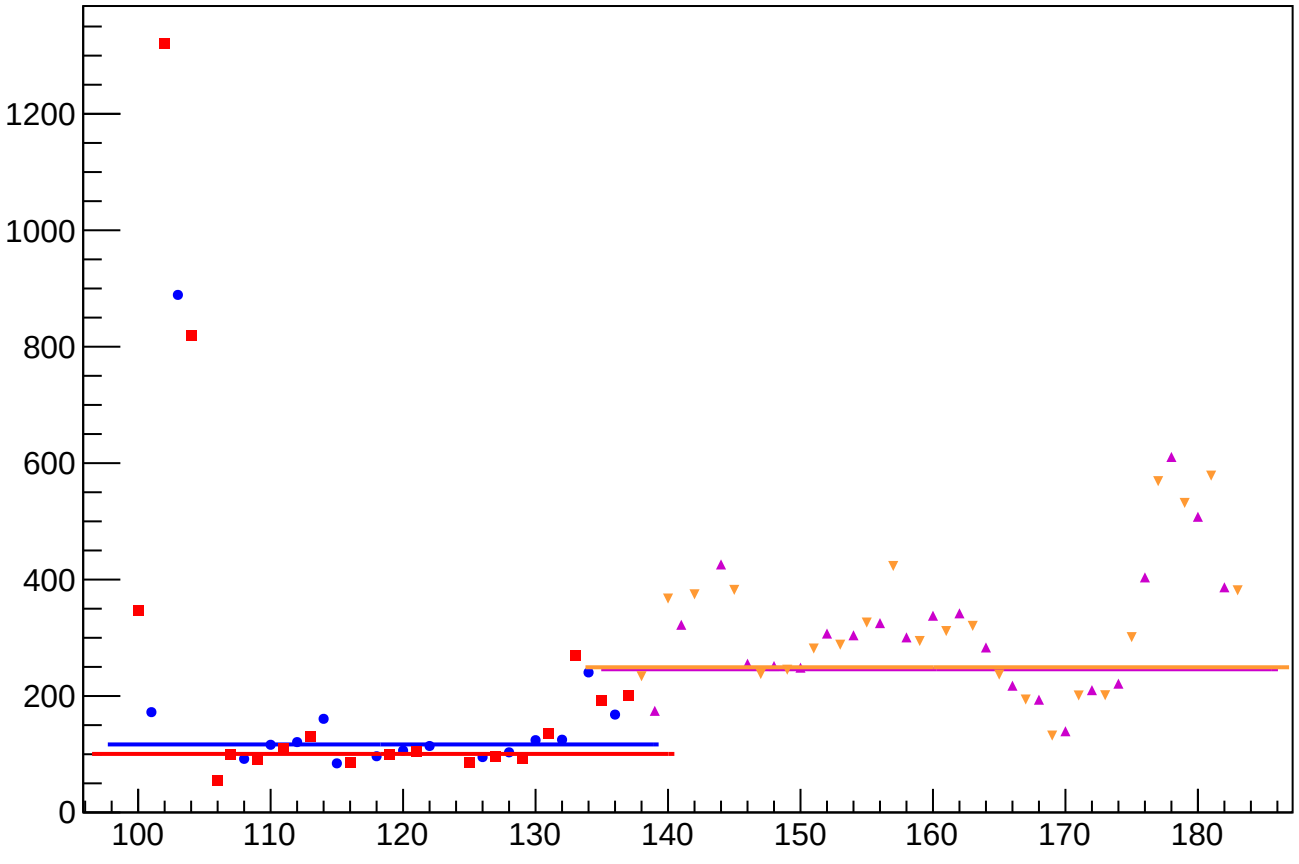
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.009+/-0.063 χ²/NDF:28.9/22
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.060+/-0.062 χ²/NDF:27.9/21
+ sign 0.031+/-0.038 χ²/NDF: 39.3/38
All: 0.006+/-0.026 χ²/NDF: 94.8/78
- sign -0.016+/-0.036 χ²/NDF: 54.7/39



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306046.7/22

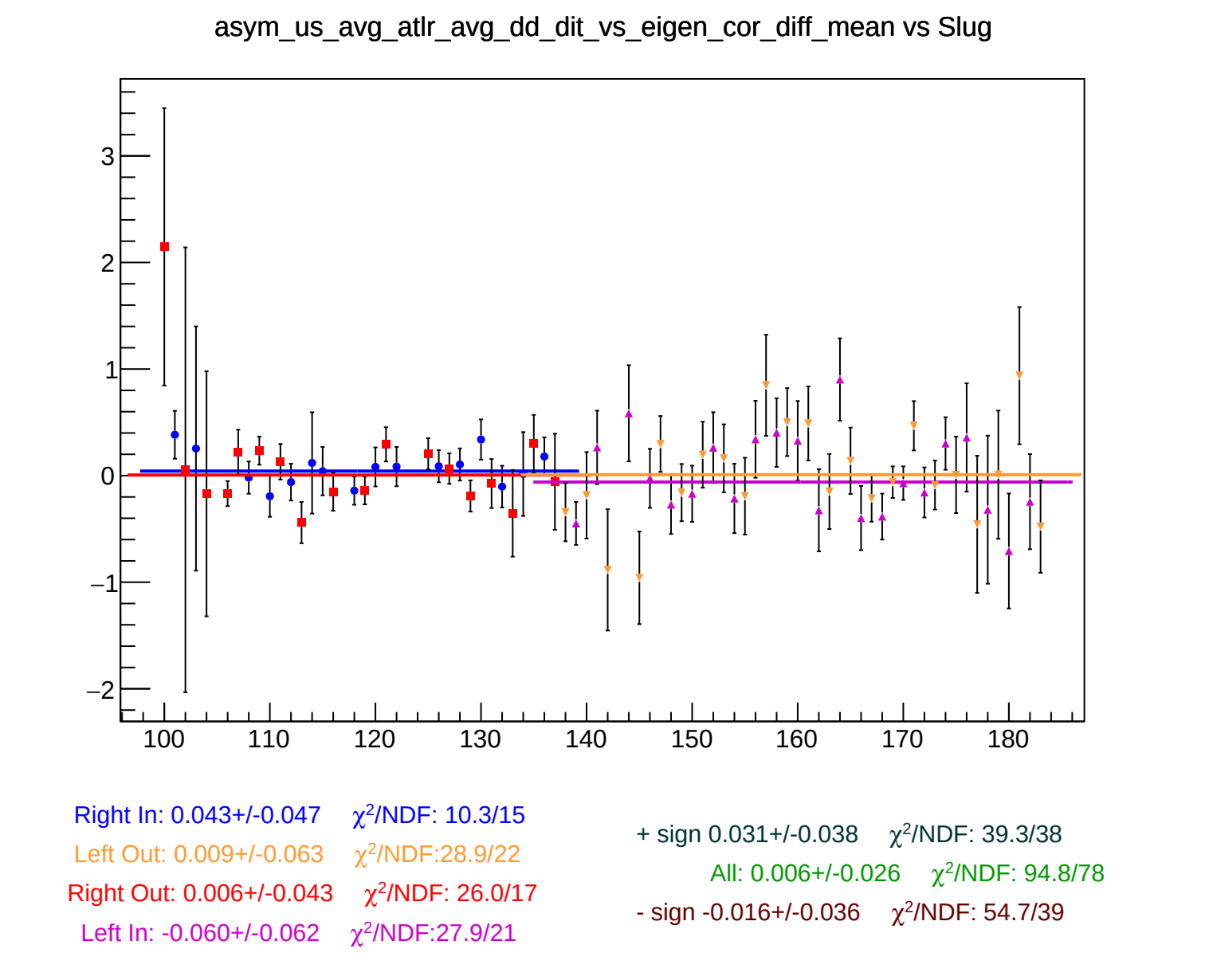
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 245.963+/-0.044 χ^2/NDF:3754697.8/21

+ sign 164.581+/-0.027 χ^2/NDF: 11543763.8/38

All: 155.723+/-0.018 χ^2/NDF: 25490061.9/78

- sign 147.927+/-0.025 χ^2/NDF: 13741619.3/39


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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−1
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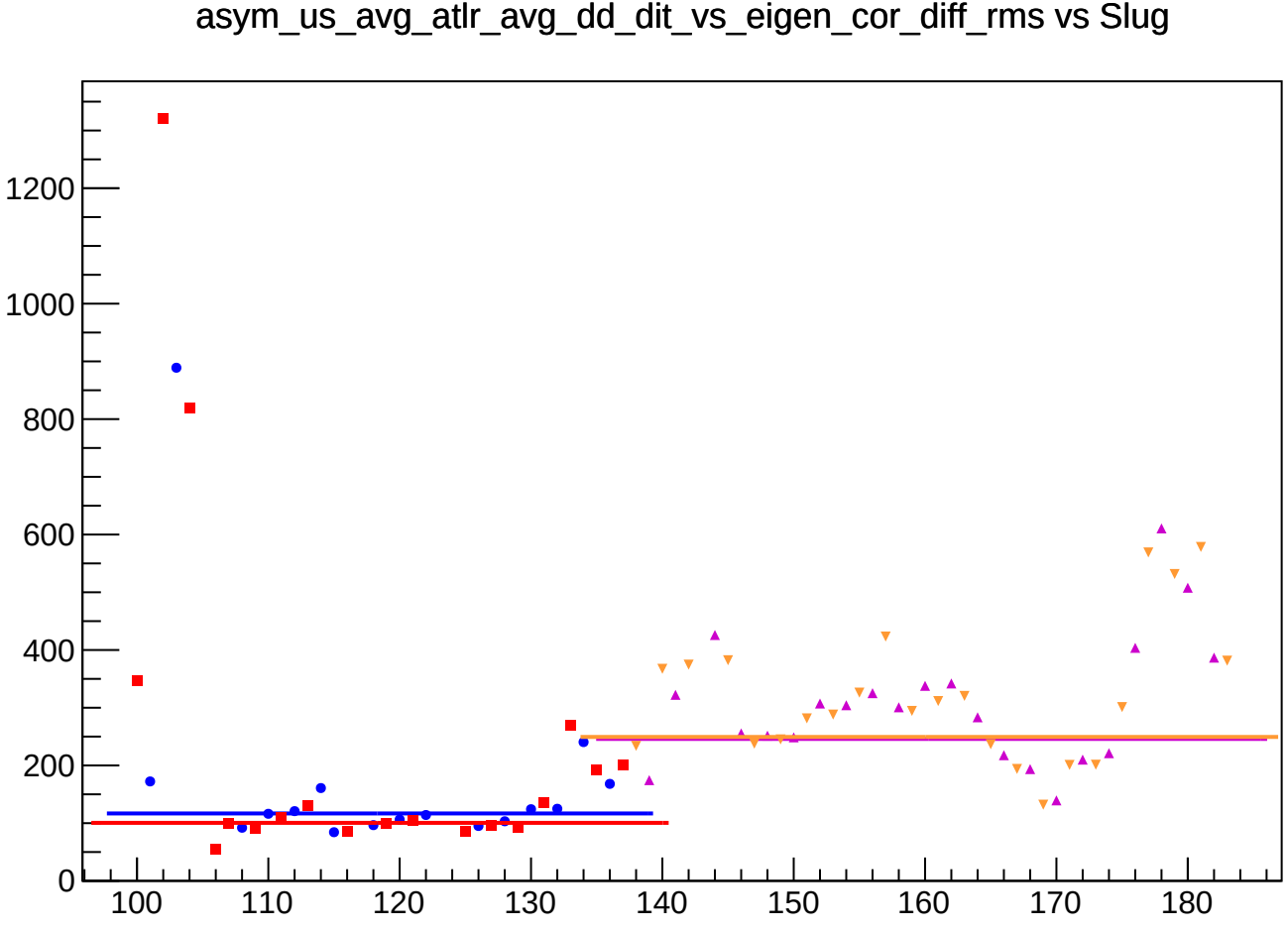
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.009+/-0.063 χ²/NDF:28.9/22
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.060+/-0.062 χ²/NDF:27.9/21
+ sign 0.031+/-0.038 χ²/NDF: 39.3/38
All: 0.006+/-0.026 χ²/NDF: 94.8/78
- sign -0.016+/-0.036 χ²/NDF: 54.7/39



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306046.7/22

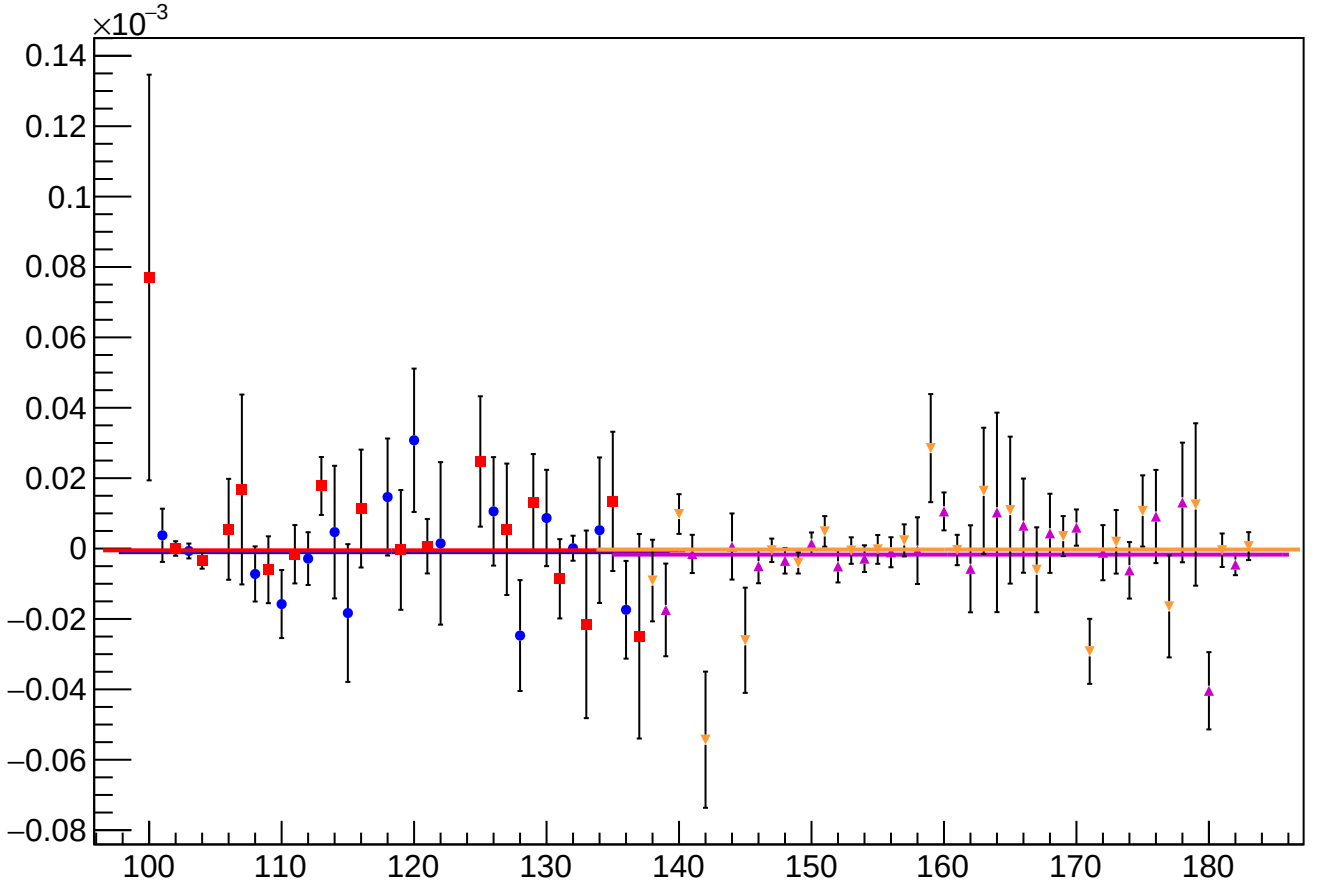
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 245.963+/-0.044 χ^2/NDF:3754697.8/21

+ sign 164.581+/-0.027 χ^2/NDF: 11543763.8/38

All: 155.723+/-0.018 χ^2/NDF: 25490061.9/78

- sign 147.927+/-0.025 χ^2/NDF: 13741619.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.9/22

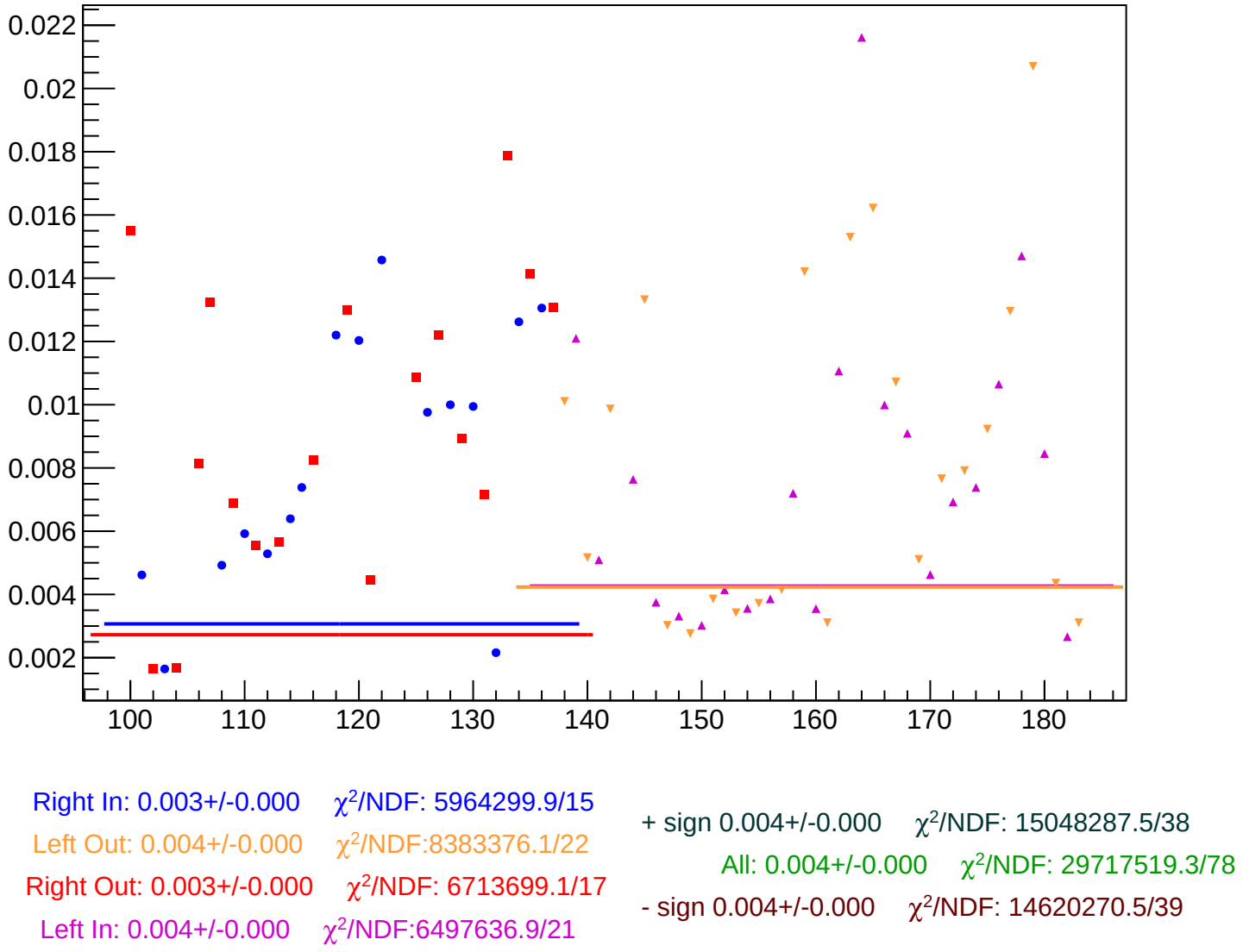
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:27.2/21

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/38

All: -0.000+/-0.000 χ^2/NDF: 91.5/78

- sign -0.000+/-0.000 χ^2/NDF: 42.7/39


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
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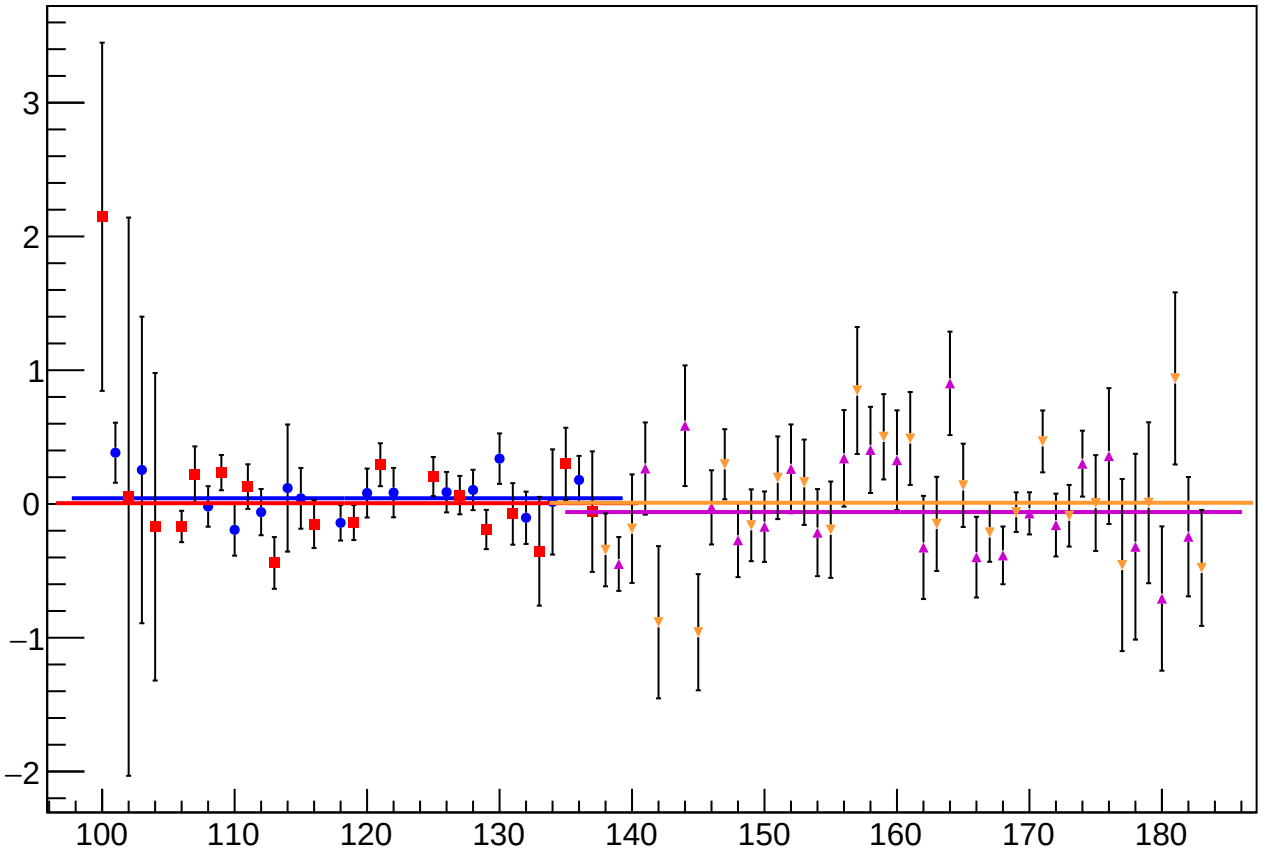
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:8383376.1/22
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.004+/-0.000 χ²/NDF:6497636.9/21
+ sign 0.004+/-0.000 χ²/NDF: 15048287.5/38
All: 0.004+/-0.000 χ²/NDF: 29717519.3/78
- sign 0.004+/-0.000 χ²/NDF: 14620270.5/39



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.009+/-0.063 χ^2/NDF:28.9/22

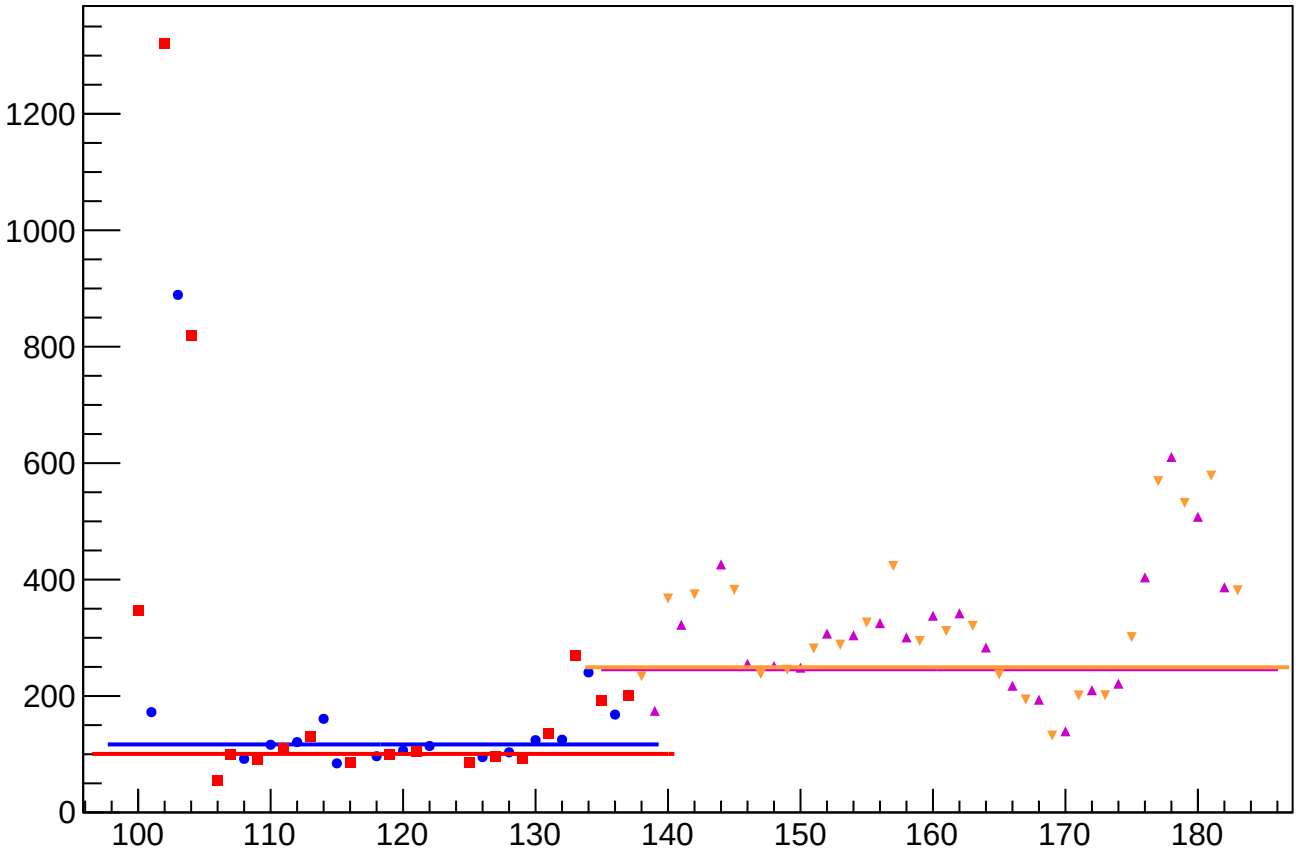
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.060+/-0.062 χ^2/NDF:27.9/21

+ sign 0.031+/-0.038 χ^2/NDF: 39.3/38

All: 0.006+/-0.026 χ^2/NDF: 94.8/78

- sign -0.016+/-0.036 χ^2/NDF: 54.7/39



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306204.0/22

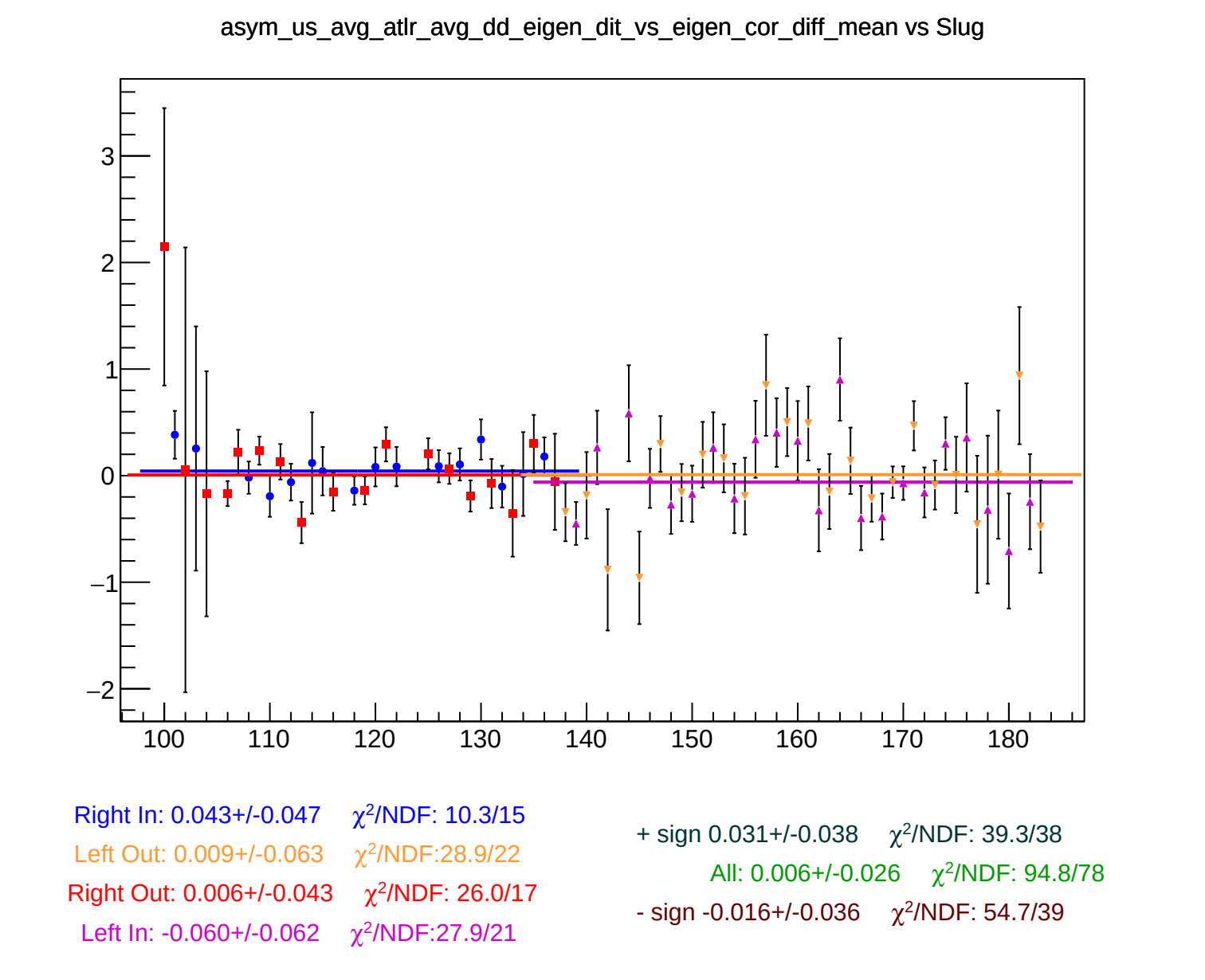
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 245.964+/-0.044 χ^2/NDF:3754757.3/21

+ sign 164.581+/-0.027 χ^2/NDF: 11543928.9/38

All: 155.722+/-0.018 χ^2/NDF: 25490590.8/78

- sign 147.926+/-0.025 χ^2/NDF: 13741964.1/39


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
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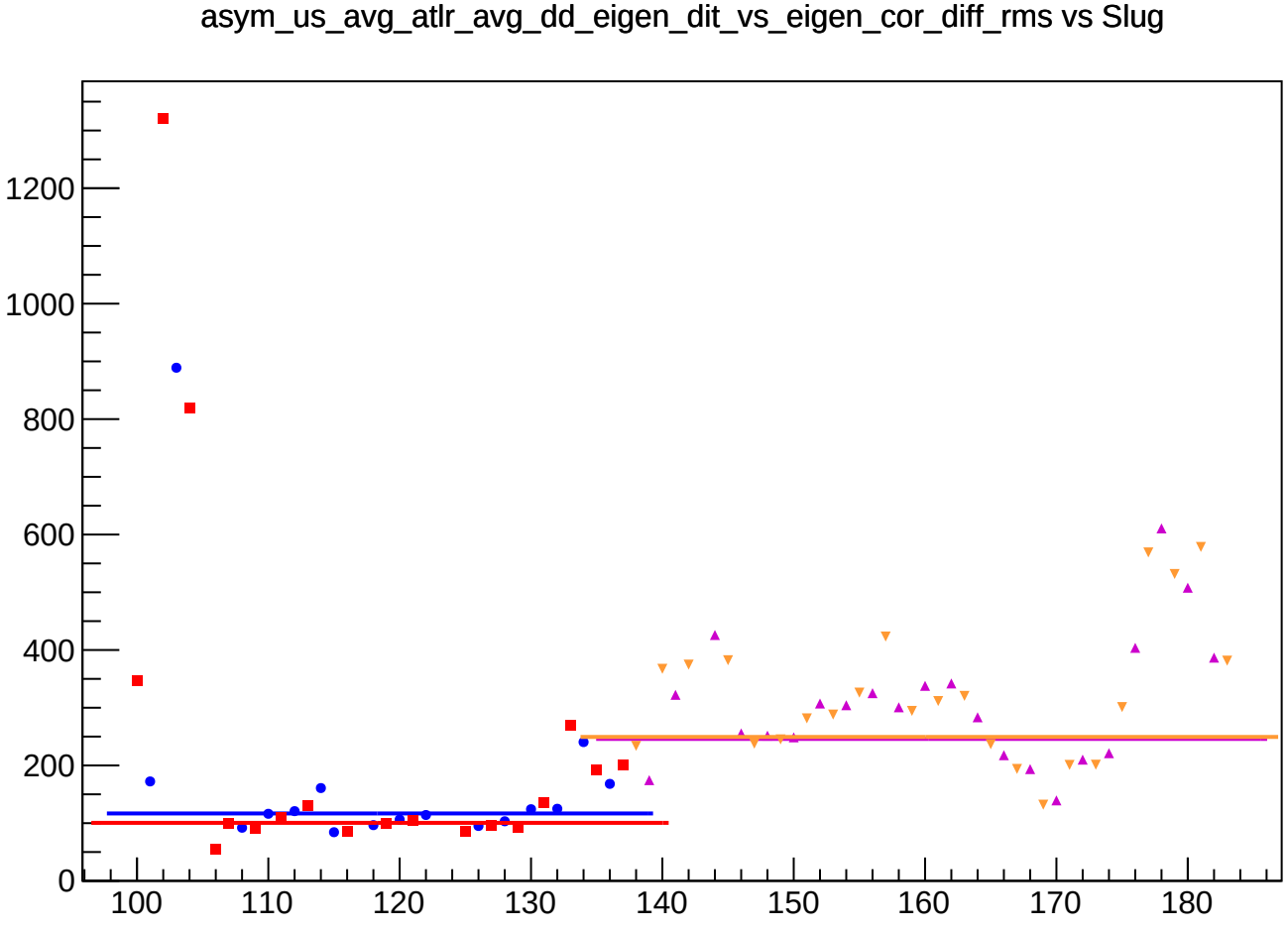
−2
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.009+/-0.063 χ²/NDF:28.9/22
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.060+/-0.062 χ²/NDF:27.9/21
+ sign 0.031+/-0.038 χ²/NDF: 39.3/38
All: 0.006+/-0.026 χ²/NDF: 94.8/78
- sign -0.016+/-0.036 χ²/NDF: 54.7/39



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306204.0/22

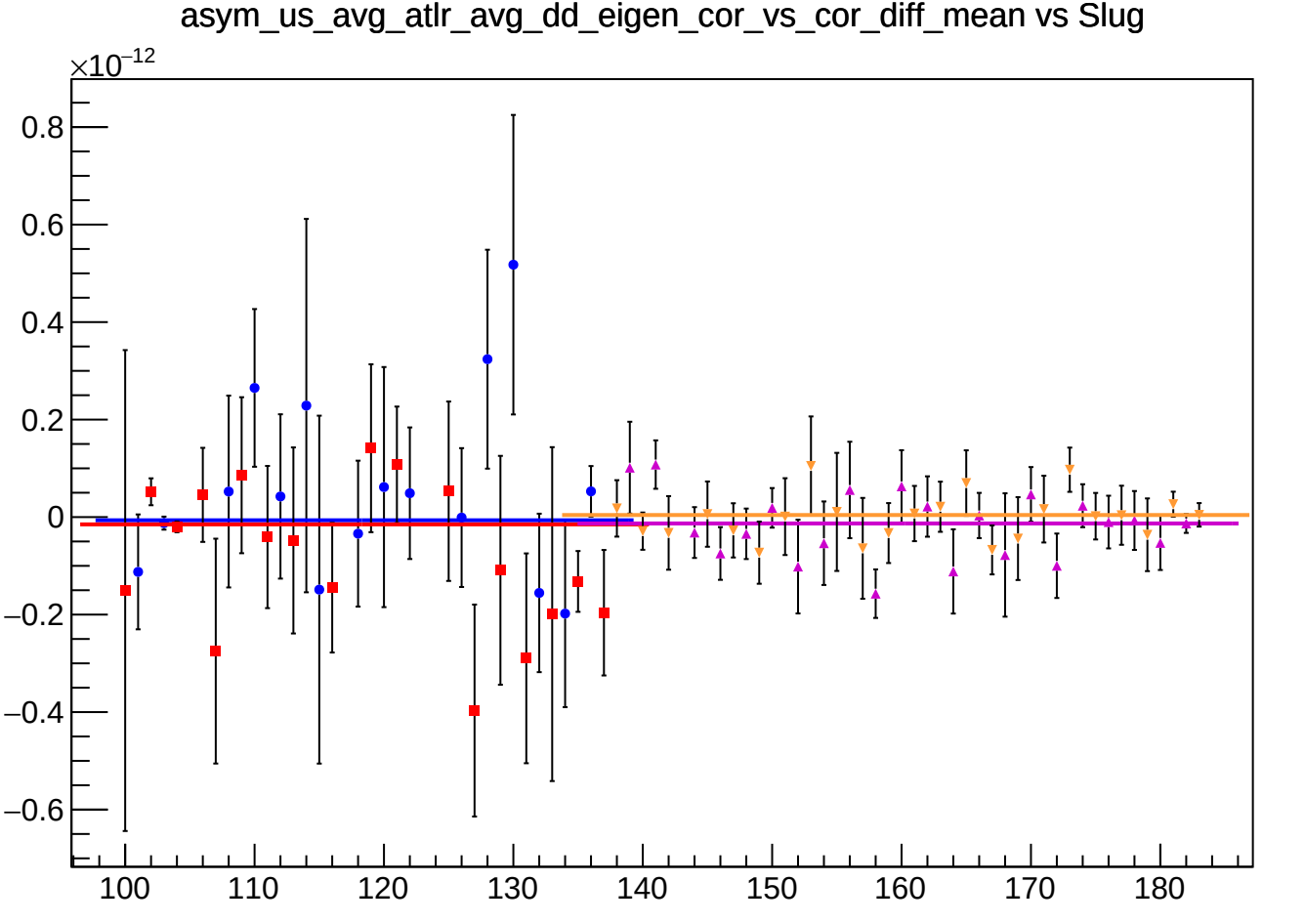
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

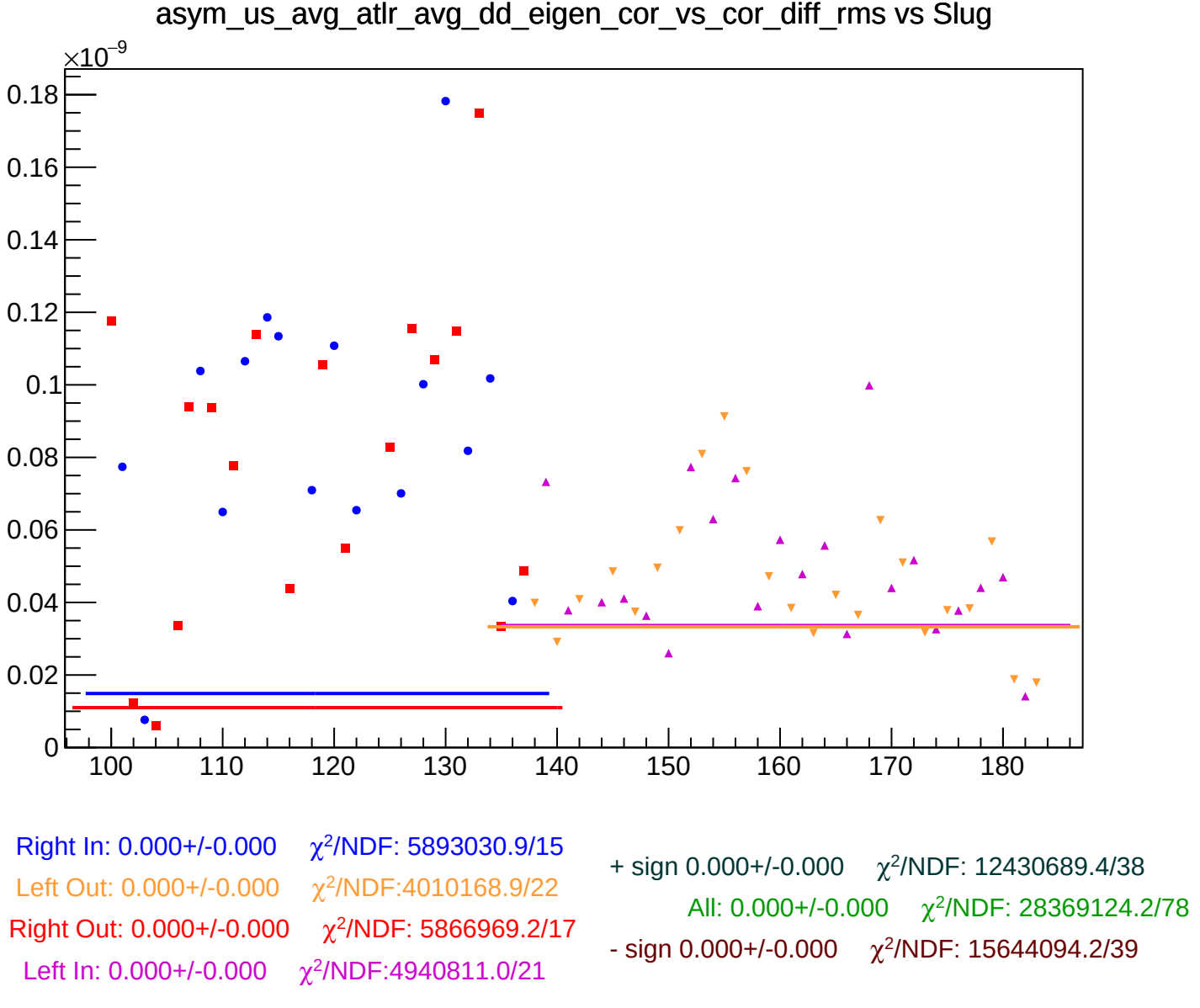
Left In: 245.964+/-0.044 χ^2/NDF:3754757.3/21

+ sign 164.581+/-0.027 χ^2/NDF: 11543928.9/38

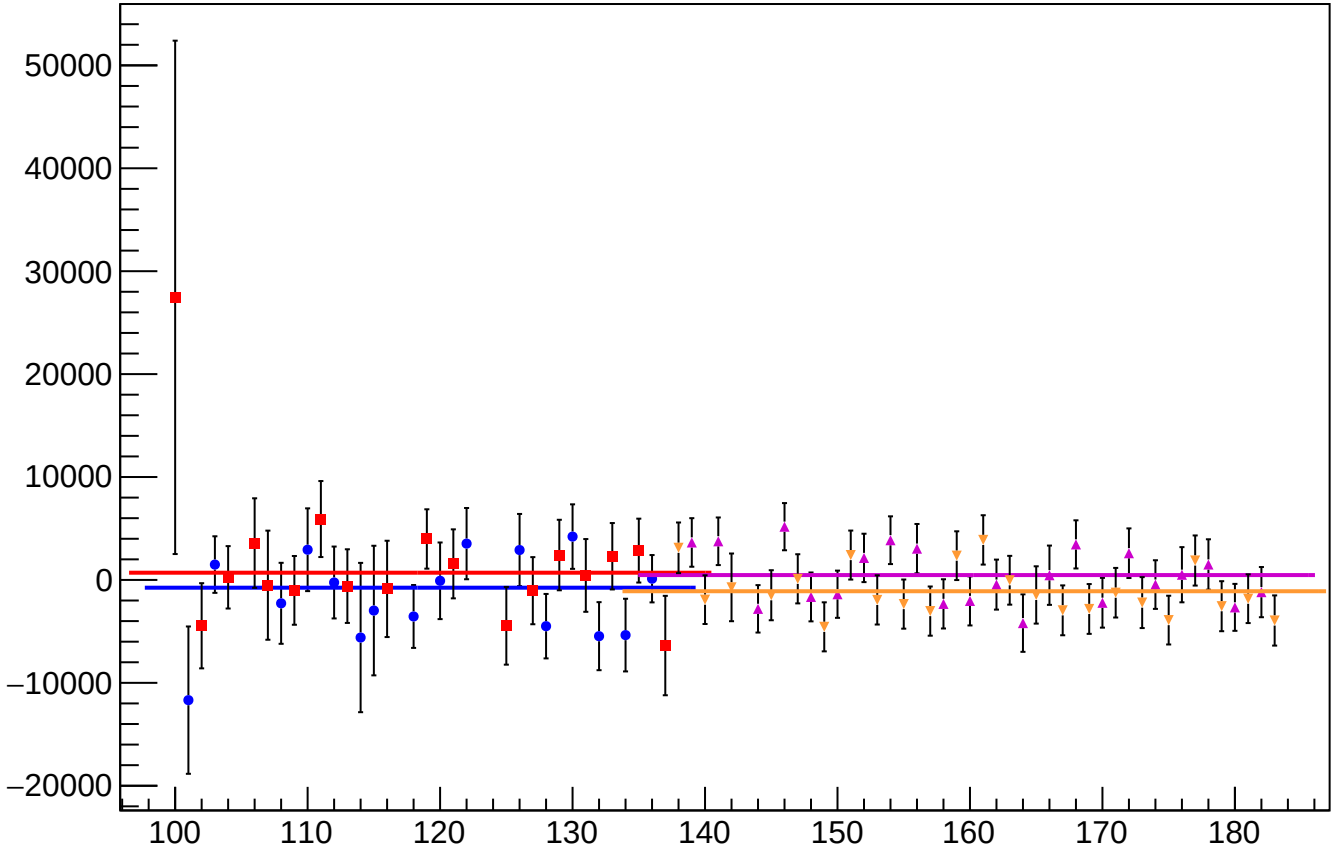
All: 155.722+/-0.018 χ^2/NDF: 25490590.8/78

- sign 147.926+/-0.025 χ^2/NDF: 13741964.1/39


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: 0.000+/-0.000 χ²/NDF:13.3/22
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:26.7/21
+ sign -0.000+/-0.000 χ²/NDF: 26.8/38
All: -0.000+/-0.000 χ²/NDF: 77.0/78
- sign -0.000+/-0.000 χ²/NDF: 48.6/39


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:4010168.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:4940811.0/21
+ sign 0.000+/-0.000 χ²/NDF: 12430689.4/38
All: 0.000+/-0.000 χ²/NDF: 28369124.2/78
- sign 0.000+/-0.000 χ²/NDF: 15644094.2/39

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -1098.277+/-509.145 χ^2/NDF:21.4/22

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

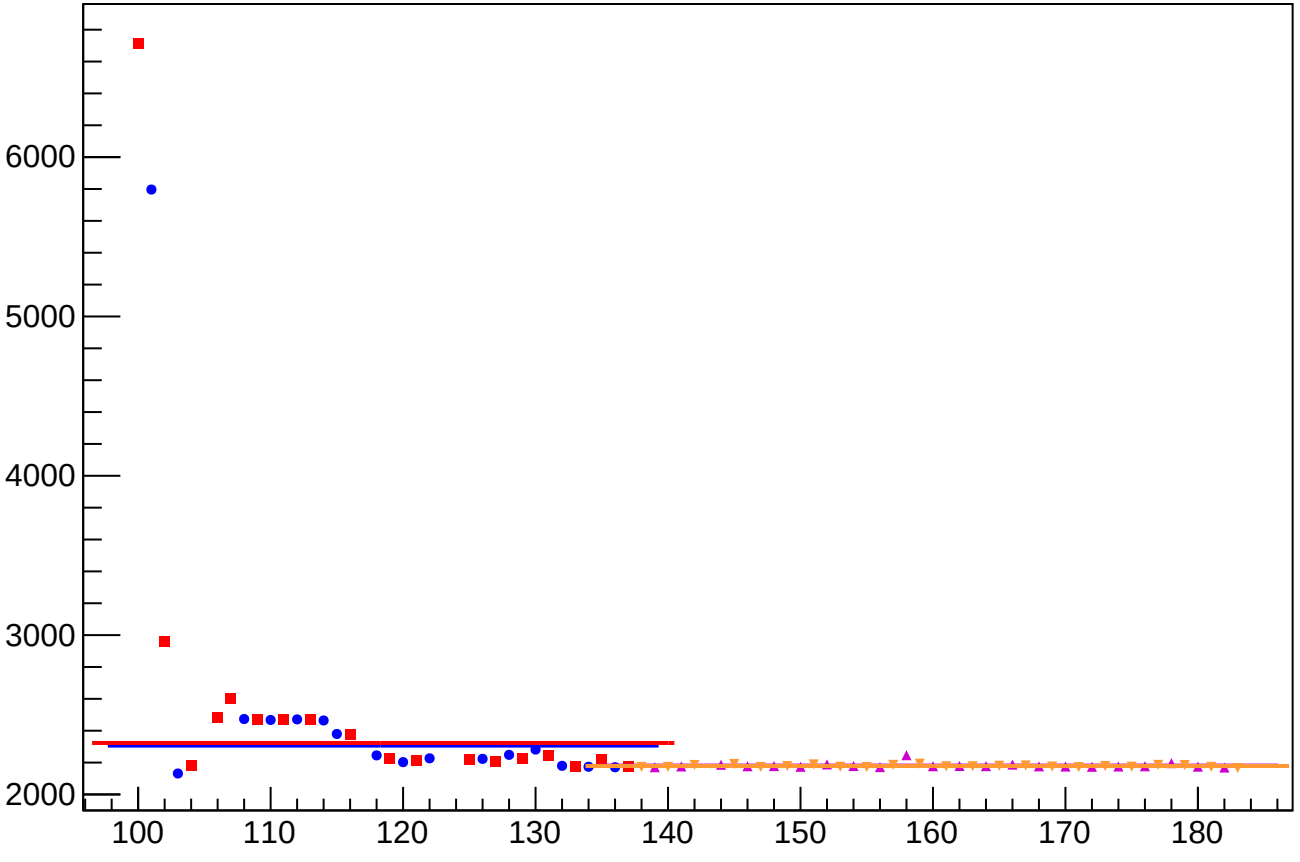
Left In: 472.388+/-513.434 χ^2/NDF:27.0/21

+ sign -1010.919+/-439.767 χ^2/NDF: 37.4/38

All: -243.417+/-311.748 χ^2/NDF: 82.9/78

- sign 531.889+/-441.997 χ^2/NDF: 39.4/39

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.420+/-0.360 χ^2/NDF:372.3/22

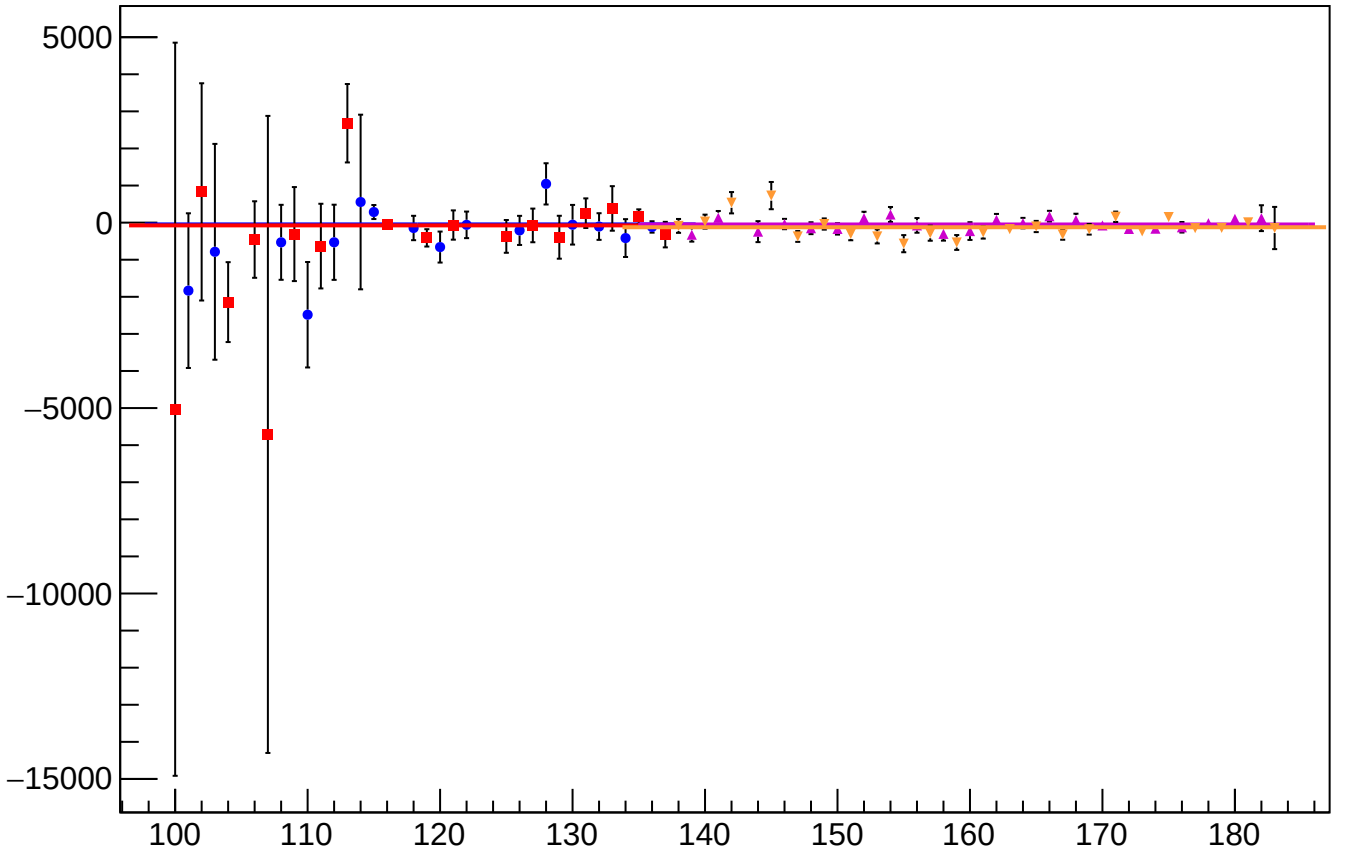
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.101+/-0.363 χ^2/NDF:1850.8/21

+ sign 2210.983+/-0.311 χ^2/NDF: 546736.7/38

All: 2214.396+/-0.220 χ^2/NDF: 740174.7/78

- sign 2217.844+/-0.313 χ^2/NDF: 193195.9/39



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -124.253+/-31.424 χ^2/NDF:42.2/22

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

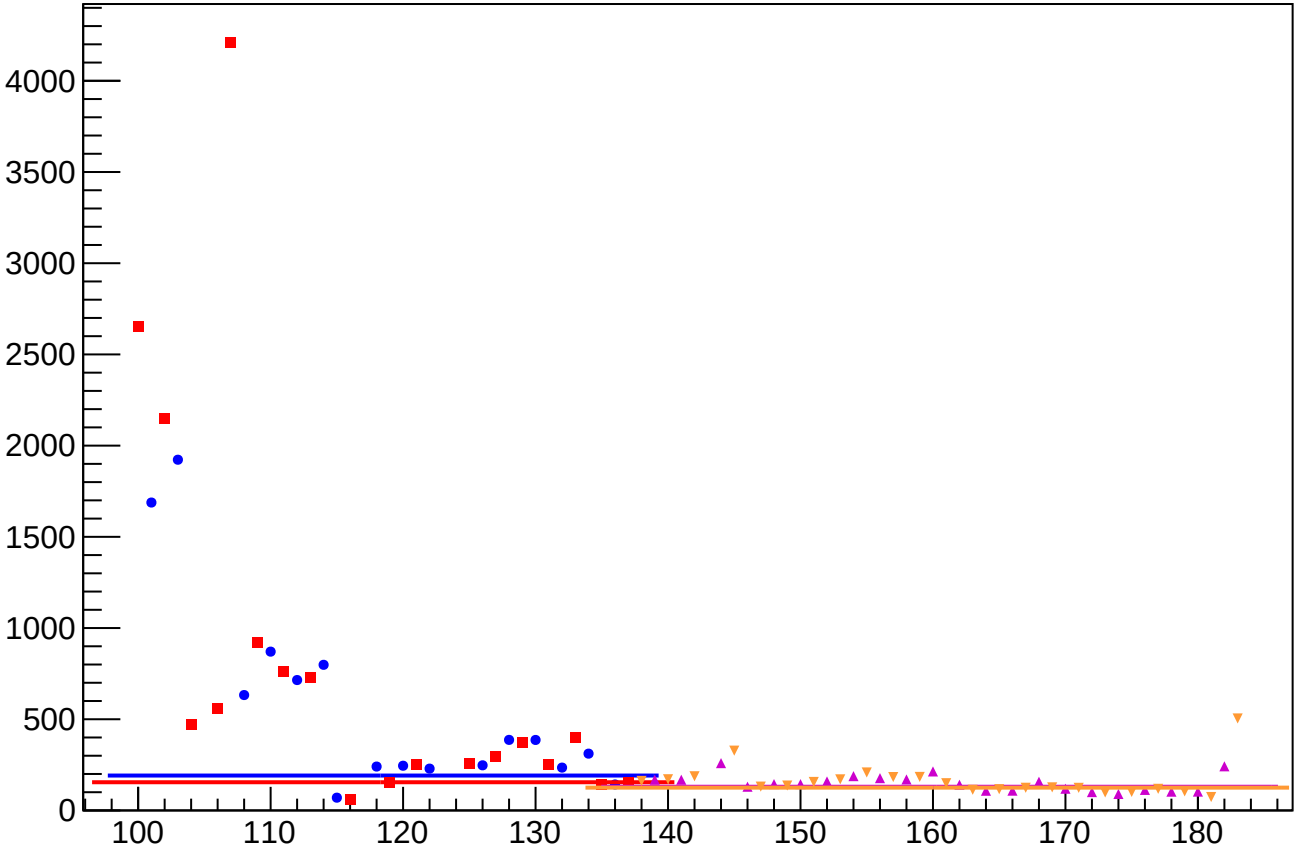
Left In: -50.031+/-32.566 χ^2/NDF:18.2/21

+ sign -116.107+/-29.700 χ^2/NDF: 57.2/38

All: -85.316+/-21.205 χ^2/NDF: 95.3/78

- sign -53.297+/-30.286 χ^2/NDF: 35.9/39

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 125.127+/-0.022 χ^2/NDF:3651891.9/22

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

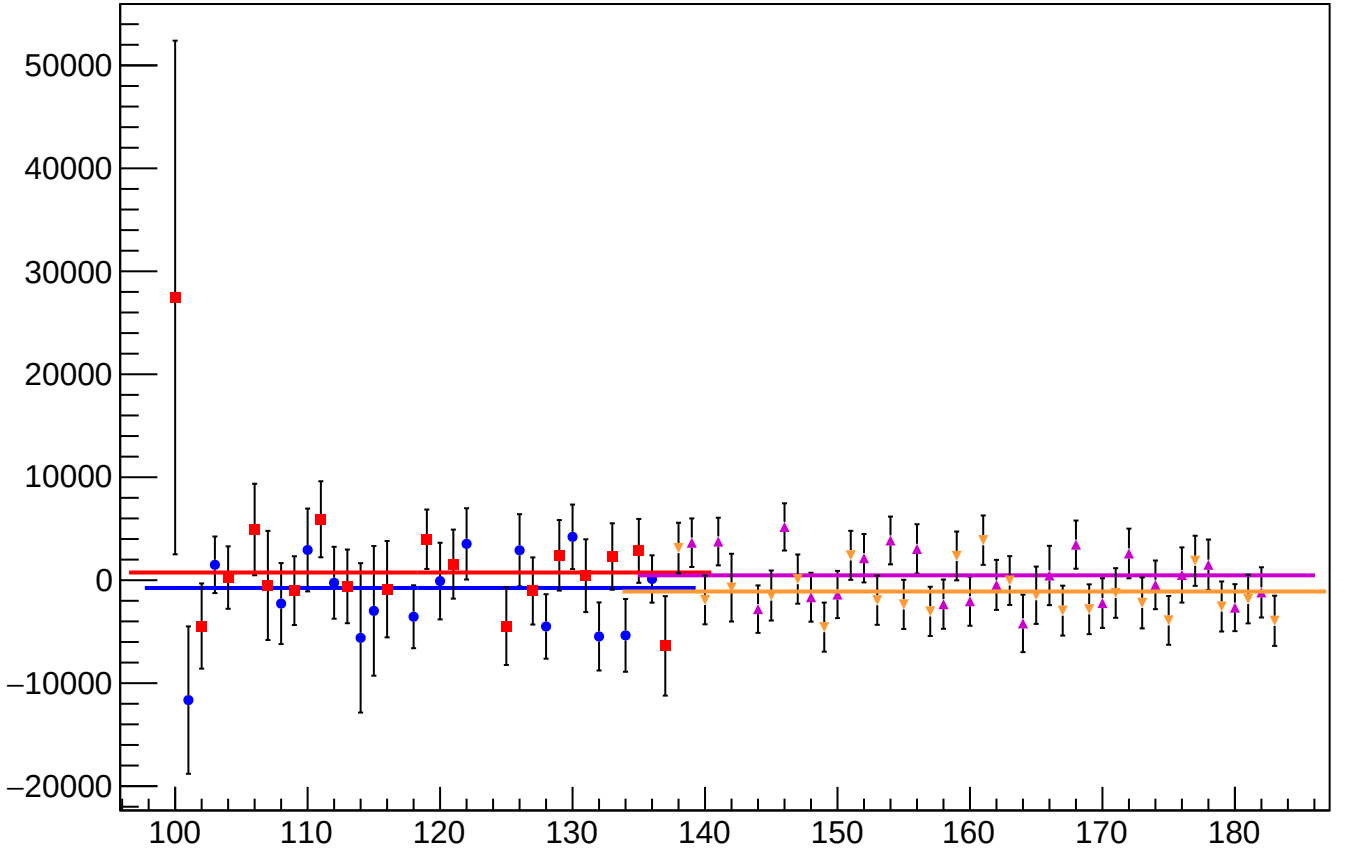
Left In: 129.966+/-0.023 χ^2/NDF:2361316.8/21

+ sign 132.197+/-0.021 χ^2/NDF: 9665440.1/38

All: 132.740+/-0.015 χ^2/NDF: 18338029.0/78

- sign 133.305+/-0.021 χ^2/NDF: 8671224.9/39

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1098.237+/-509.145 χ^2/NDF:21.4/22

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

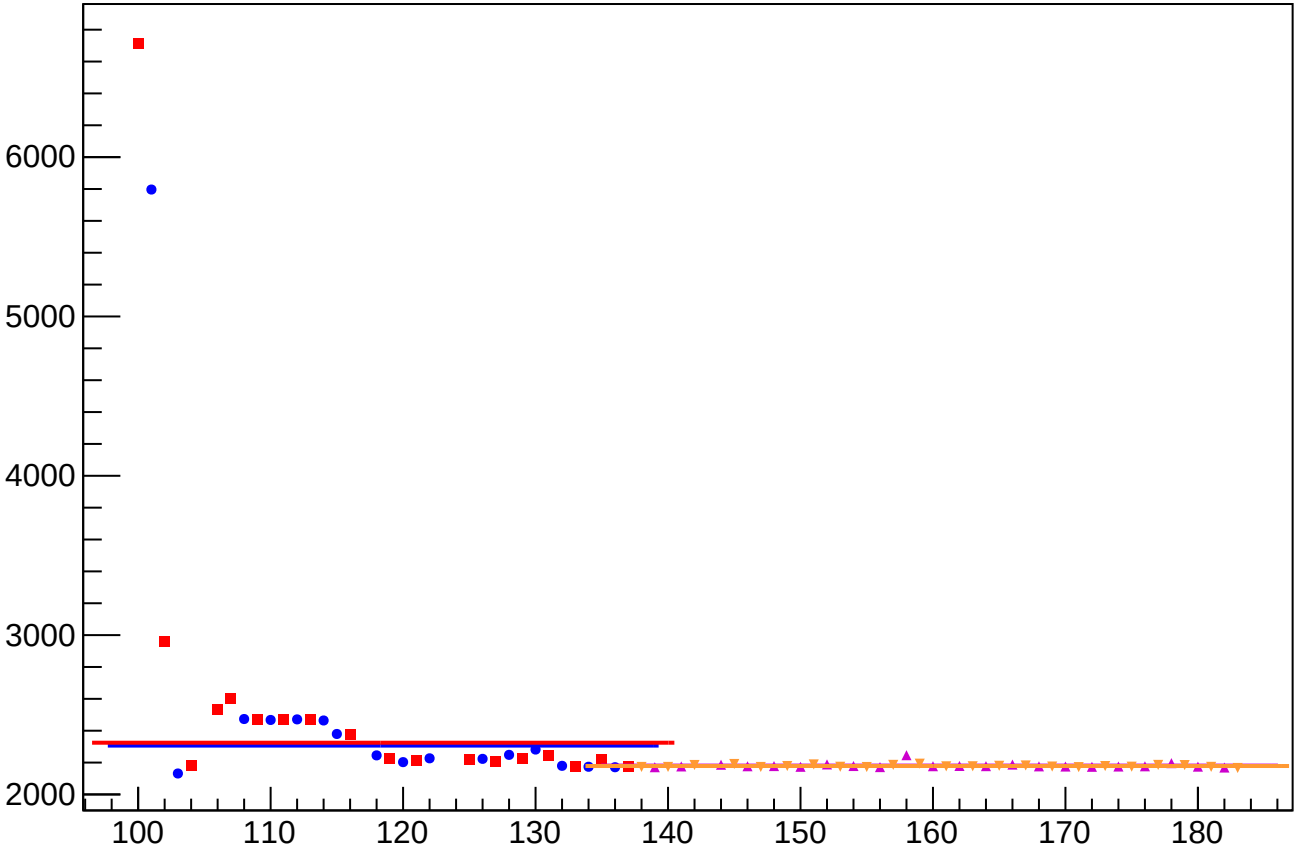
Left In: 472.409+/-513.434 χ^2/NDF:27.0/21

+ sign -1010.643+/-439.767 χ^2/NDF: 37.4/38

All: -237.412+/-311.781 χ^2/NDF: 83.5/78

- sign 544.016+/-442.092 χ^2/NDF: 39.9/39

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.420+/-0.360 χ^2/NDF:372.3/22

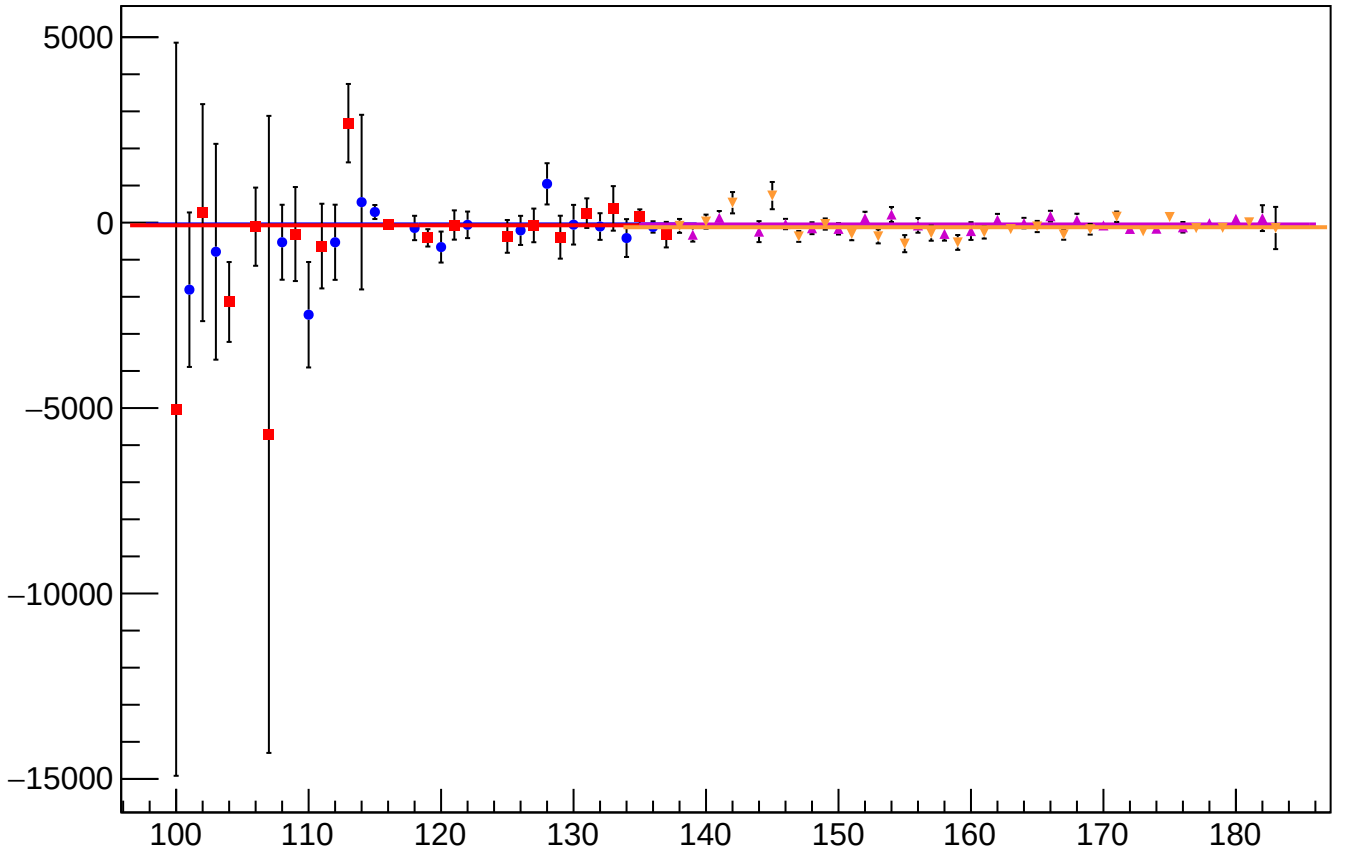
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.101+/-0.363 χ^2/NDF:1850.8/21

+ sign 2210.983+/-0.311 χ^2/NDF: 546737.0/38

All: 2214.588+/-0.220 χ^2/NDF: 742883.8/78

- sign 2218.232+/-0.313 χ^2/NDF: 195876.6/39



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -124.175+/-31.424 χ^2/NDF:42.2/22

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

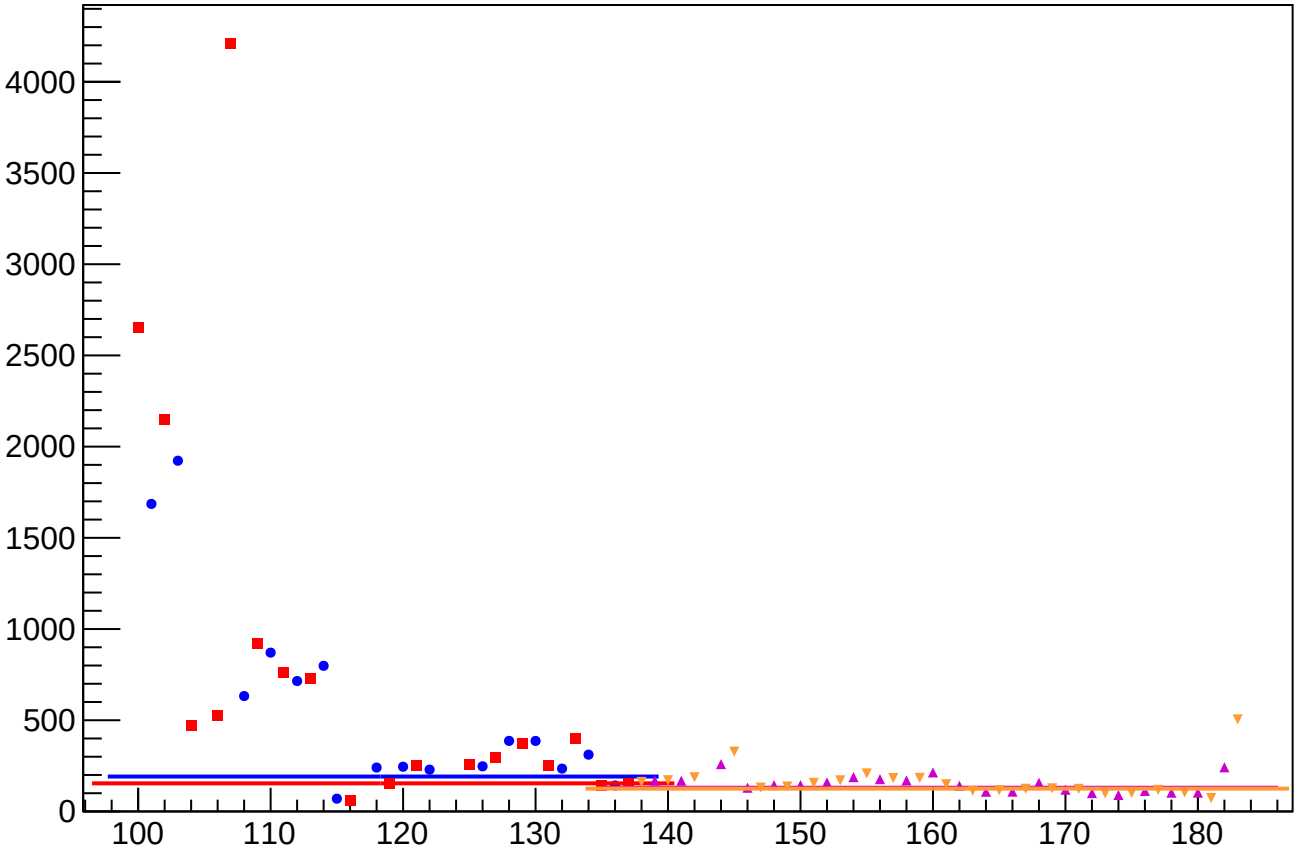
Left In: -49.922+/-32.569 χ^2/NDF:18.2/21

+ sign -116.042+/-29.700 χ^2/NDF: 57.2/38

All: -85.105+/-21.205 χ^2/NDF: 95.1/78

- sign -52.936+/-30.285 χ^2/NDF: 35.7/39

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 125.123+/-0.022 χ^2/NDF:3652678.8/22

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

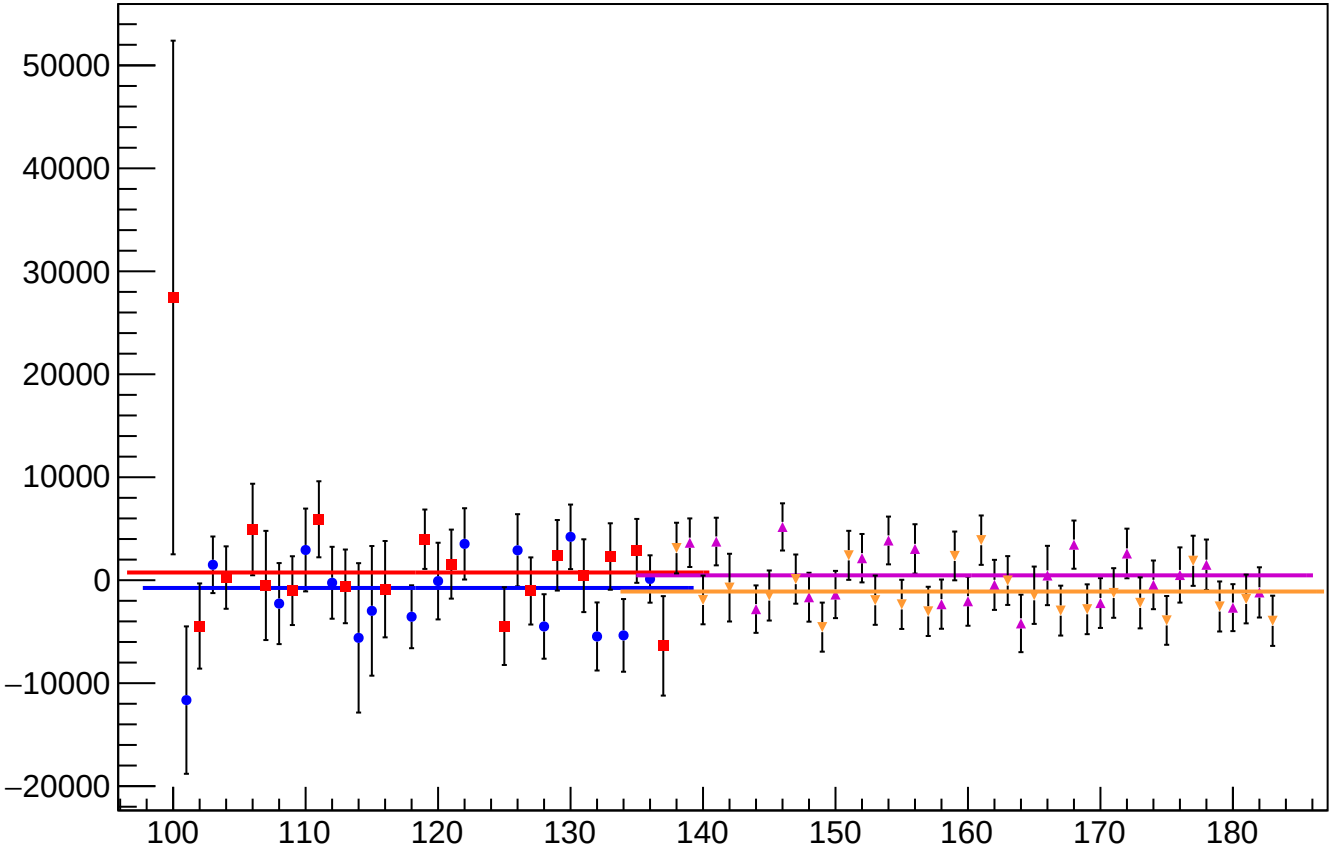
Left In: 129.980+/-0.023 χ^2/NDF:2360980.4/21

+ sign 132.196+/-0.021 χ^2/NDF: 9665783.7/38

All: 132.711+/-0.015 χ^2/NDF: 18285370.2/78

- sign 133.248+/-0.021 χ^2/NDF: 8618356.9/39

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1098.237+/-509.145 χ^2/NDF:21.4/22

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

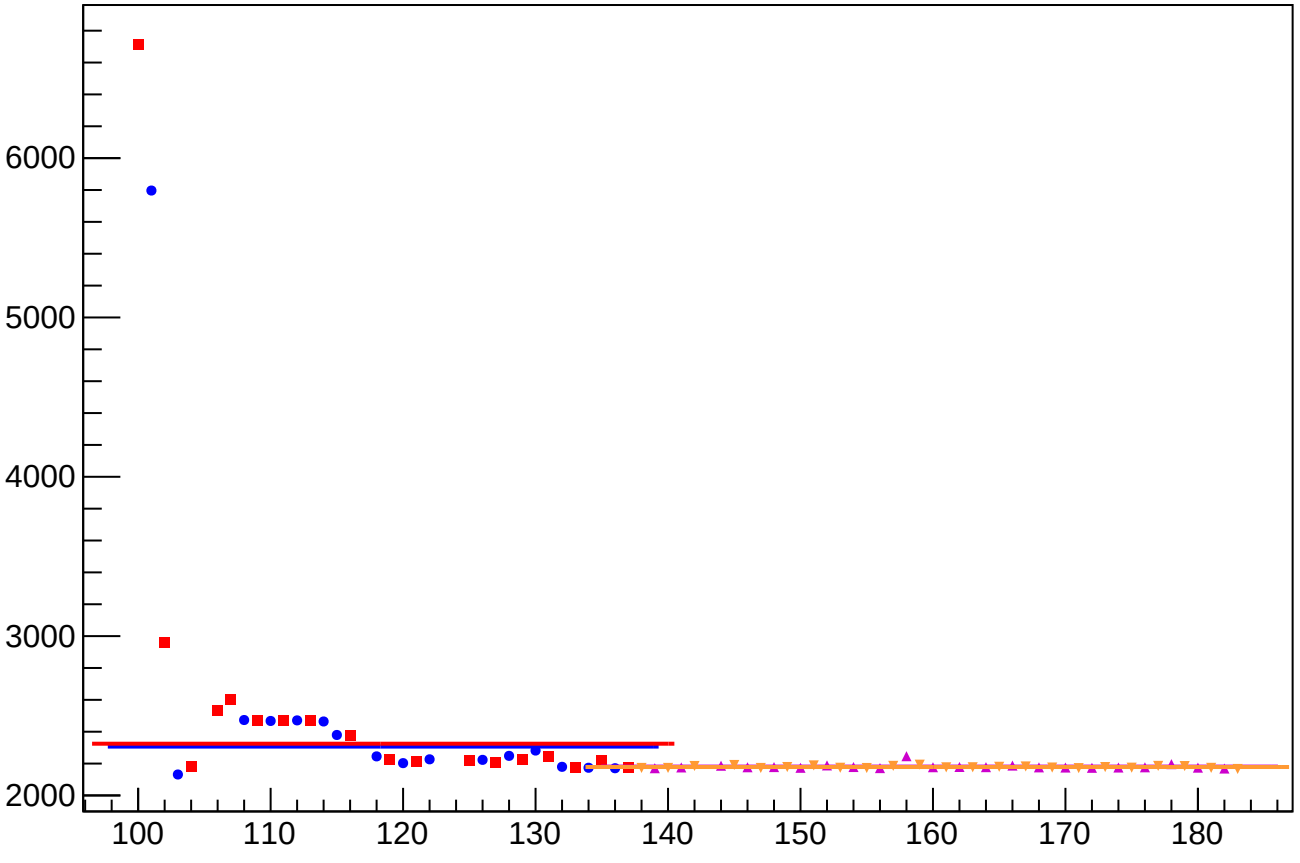
Left In: 472.409+/-513.434 χ^2/NDF:27.0/21

+ sign -1010.643+/-439.767 χ^2/NDF: 37.4/38

All: -237.412+/-311.781 χ^2/NDF: 83.5/78

- sign 544.016+/-442.092 χ^2/NDF: 39.9/39

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.420+/-0.360 χ^2/NDF:372.3/22

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

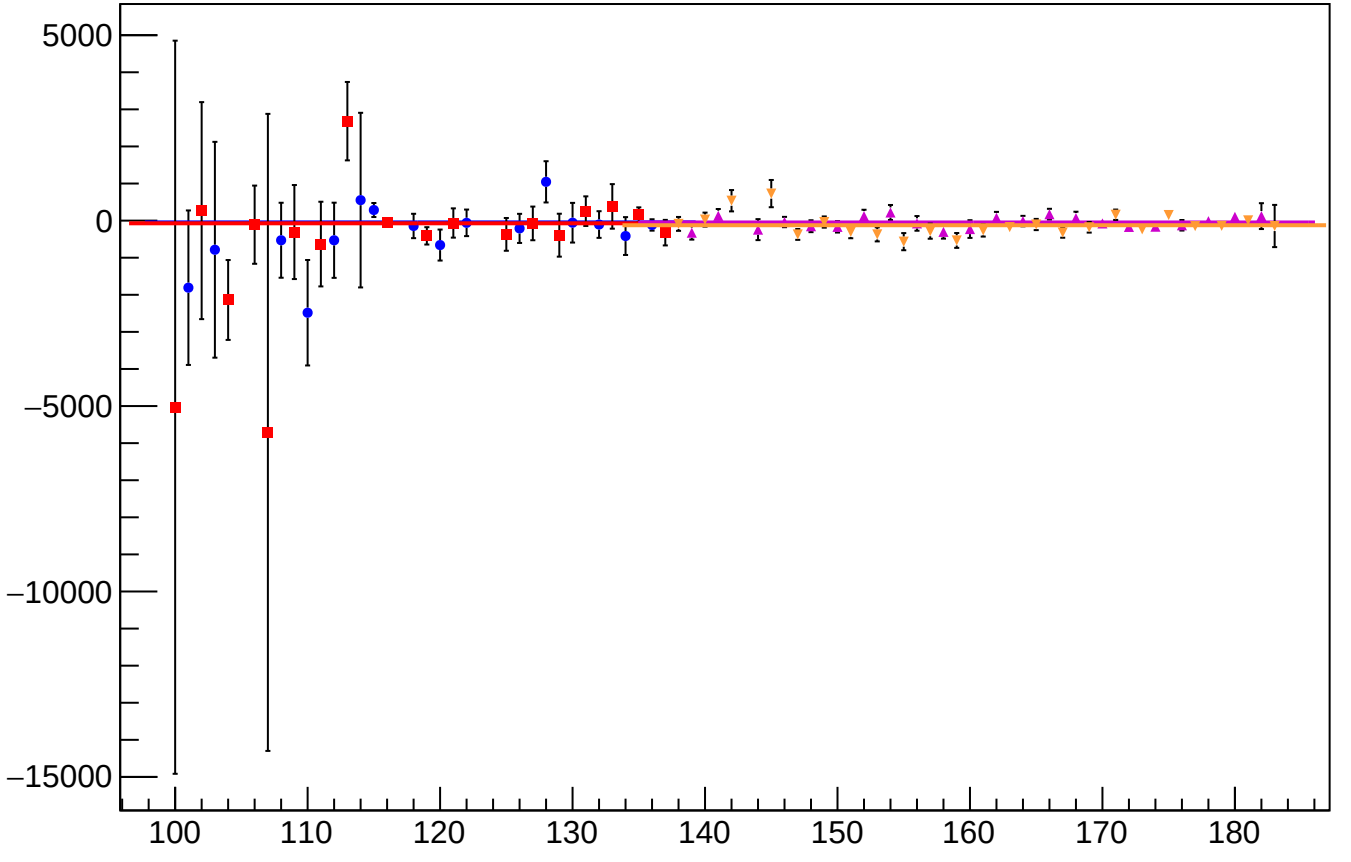
Left In: 2181.101+/-0.363 χ^2/NDF:1850.8/21

+ sign 2210.983+/-0.311 χ^2/NDF: 546737.0/38

All: 2214.588+/-0.220 χ^2/NDF: 742883.8/78

- sign 2218.232+/-0.313 χ^2/NDF: 195876.6/39

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -124.175+/-31.424 χ^2/NDF:42.2/22

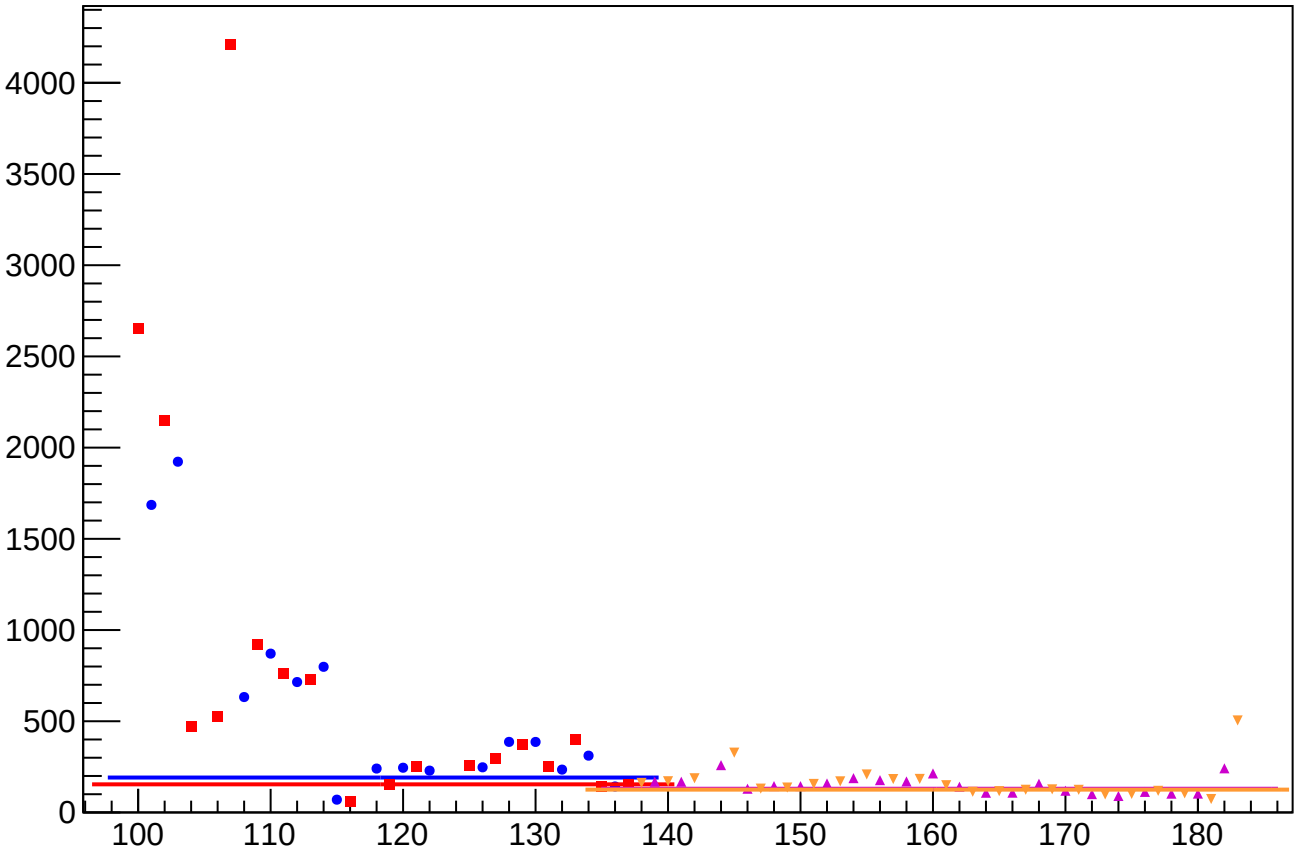
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -49.922+/-32.569 χ^2/NDF:18.2/21

+ sign -116.042+/-29.700 χ^2/NDF: 57.2/38

All: -85.105+/-21.205 χ^2/NDF: 95.1/78

- sign -52.936+/-30.285 χ^2/NDF: 35.7/39



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 125.123+/-0.022 χ^2/NDF:3652678.8/22

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

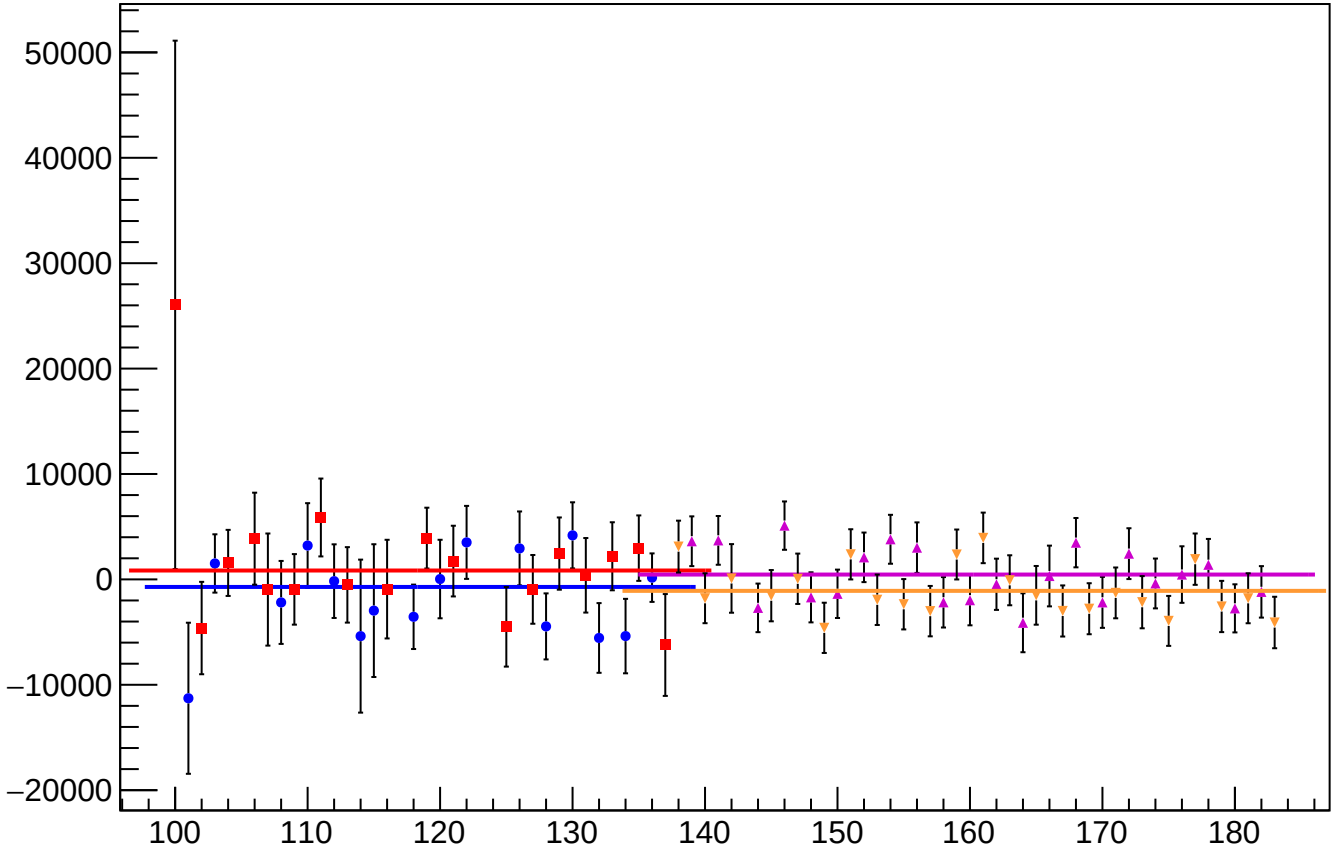
Left In: 129.980+/-0.023 χ^2/NDF:2360980.4/21

+ sign 132.196+/-0.021 χ^2/NDF: 9665783.7/38

All: 132.711+/-0.015 χ^2/NDF: 18285370.2/78

- sign 133.248+/-0.021 χ^2/NDF: 8618356.9/39

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1088.560+/-509.235 χ^2/NDF:21.7/22

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

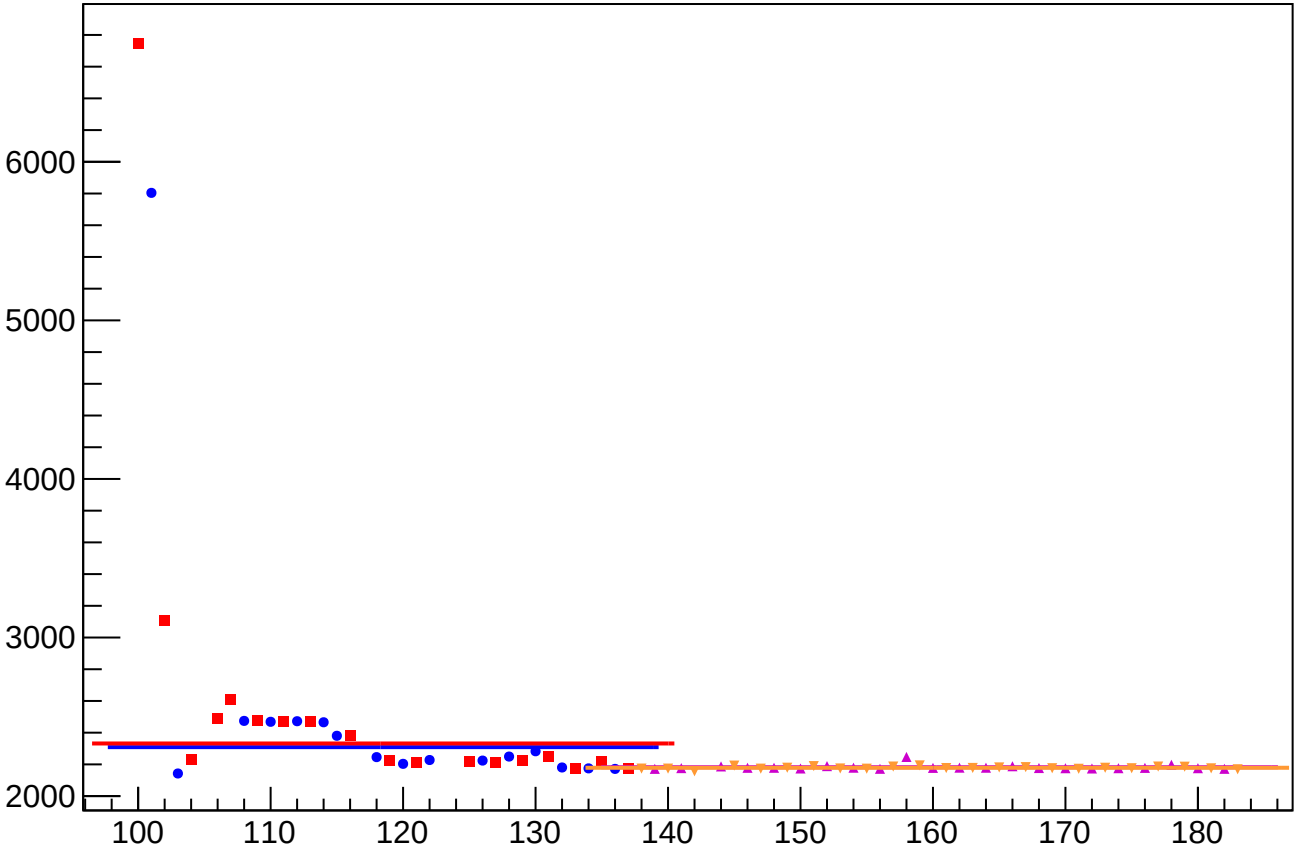
Left In: 458.734+/-513.657 χ^2/NDF:26.2/21

+ sign -994.352+/-439.938 χ^2/NDF: 37.7/38

All: -223.563+/-312.086 χ^2/NDF: 82.4/78

- sign 557.239+/-442.787 χ^2/NDF: 38.5/39

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.663+/-0.360 χ^2/NDF:442.1/22

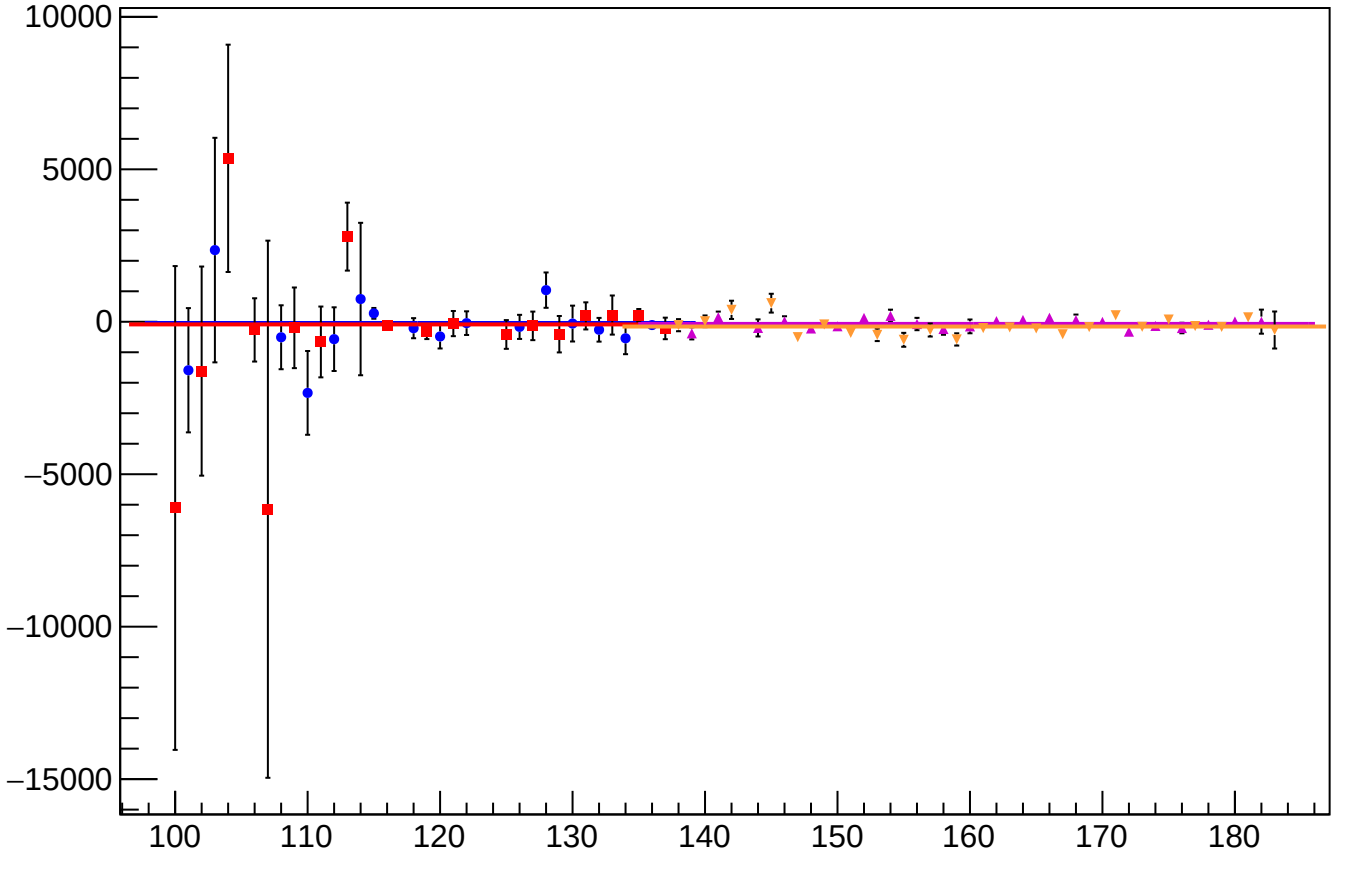
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.050+/-0.363 χ^2/NDF:1825.2/21

+ sign 2211.656+/-0.311 χ^2/NDF: 547283.0/38

All: 2216.067+/-0.221 χ^2/NDF: 760534.6/78

- sign 2220.535+/-0.313 χ^2/NDF: 212846.8/39



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -156.071+/-34.077 χ^2/NDF:45.7/22

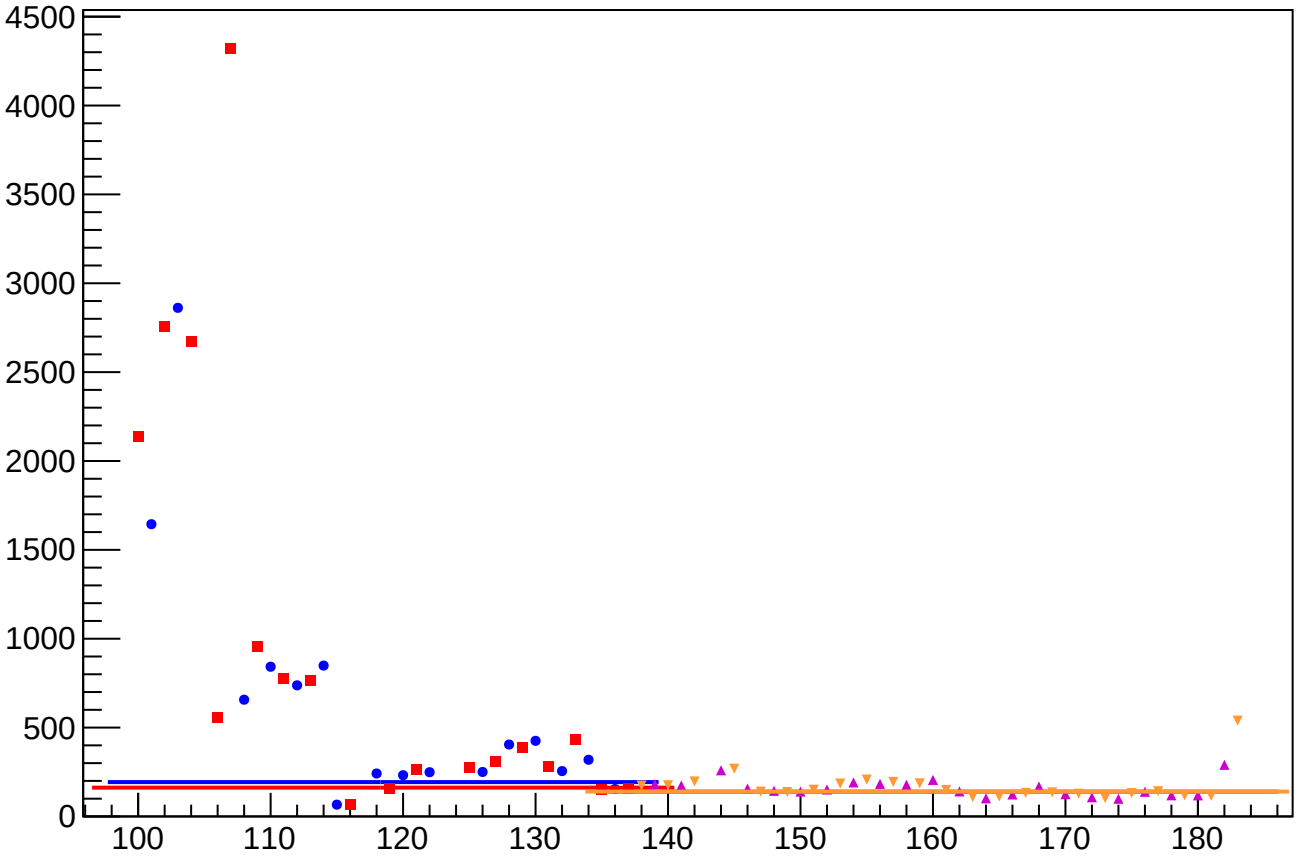
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -70.074+/-34.226 χ^2/NDF:18.9/21

+ sign -142.190+/-31.973 χ^2/NDF: 61.1/38

All: -107.061+/-22.549 χ^2/NDF: 97.5/78

- sign -72.299+/-31.805 χ^2/NDF: 33.9/39



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 139.915+/-0.024 χ^2/NDF:2471048.8/22

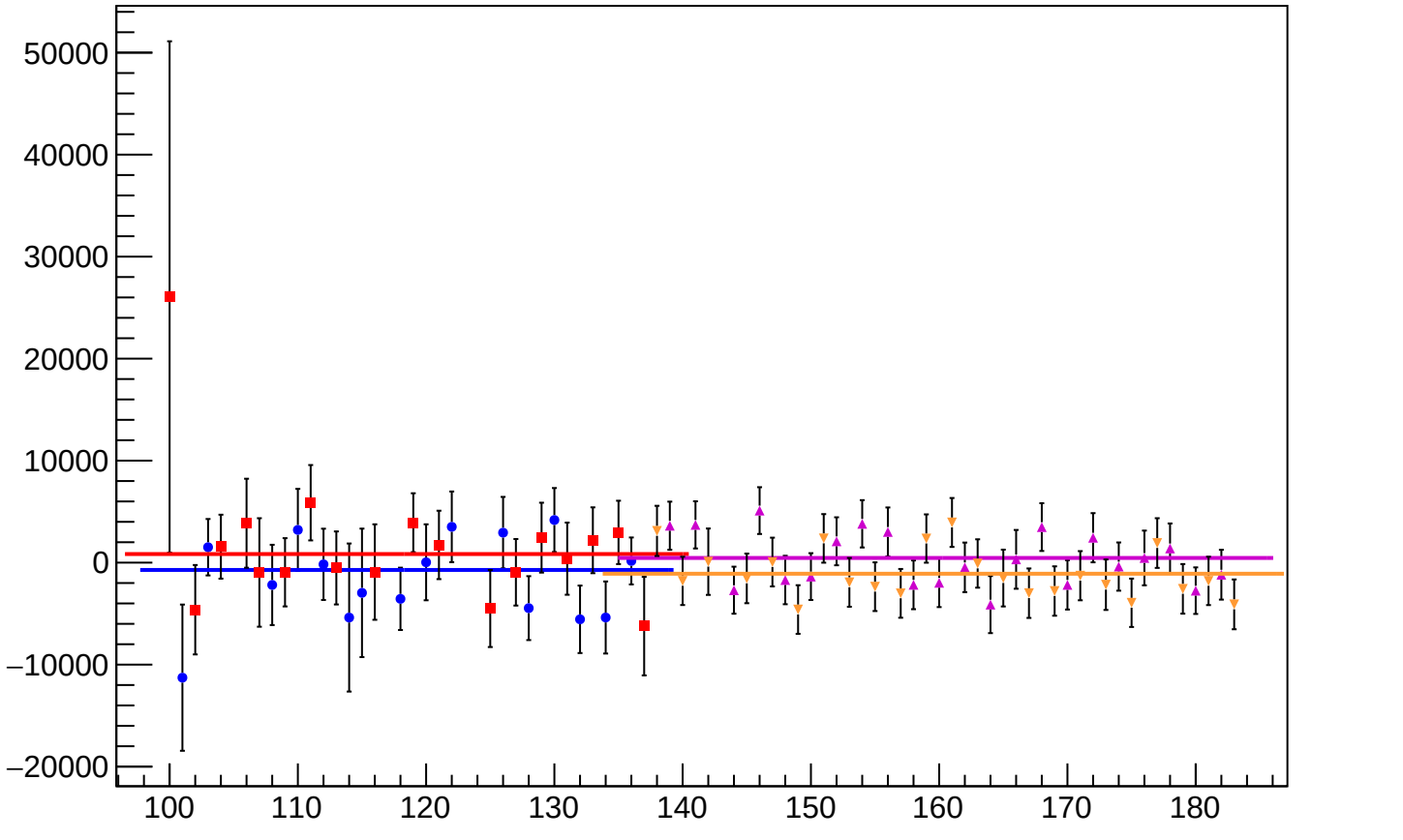
Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 139.490+/-0.024 χ^2/NDF:2095443.6/21

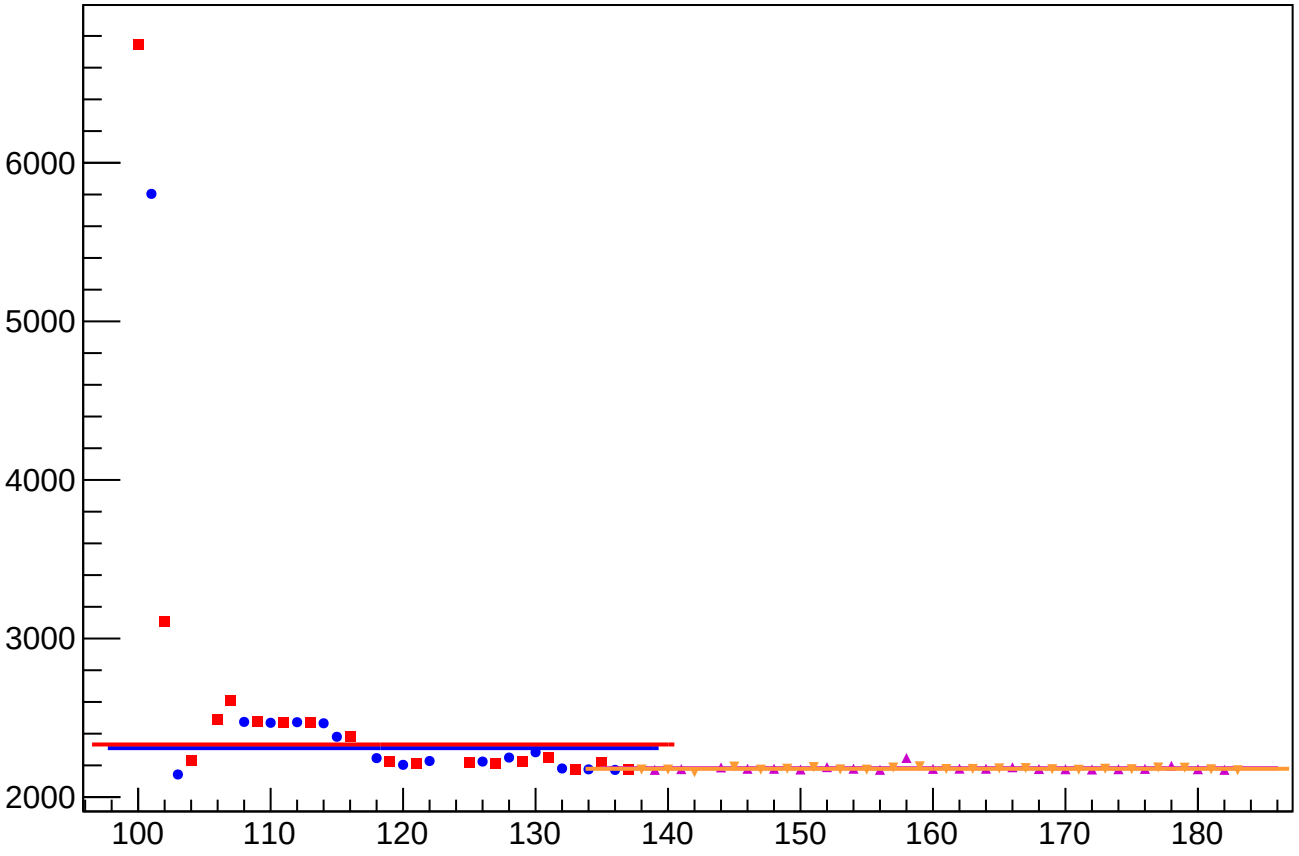
+ sign 146.300+/-0.023 χ^2/NDF: 8675494.8/38

All: 144.429+/-0.016 χ^2/NDF: 17974330.6/78

- sign 142.578+/-0.022 χ^2/NDF: 9285210.6/39


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -717.137+/-873.539 χ²/NDF: 15.8/15
Left Out: -1088.561+/-509.235 χ²/NDF:21.7/22
Right Out: 842.159+/-873.586 χ²/NDF: 12.2/17
Left In: 458.734+/-513.657 χ²/NDF:26.2/21
+ sign -994.353+/-439.938 χ²/NDF: 37.7/38
All: -223.564+/-312.086 χ²/NDF: 82.4/78
- sign 557.239+/-442.787 χ²/NDF: 38.5/39

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.663+/-0.360 χ^2/NDF:442.1/22

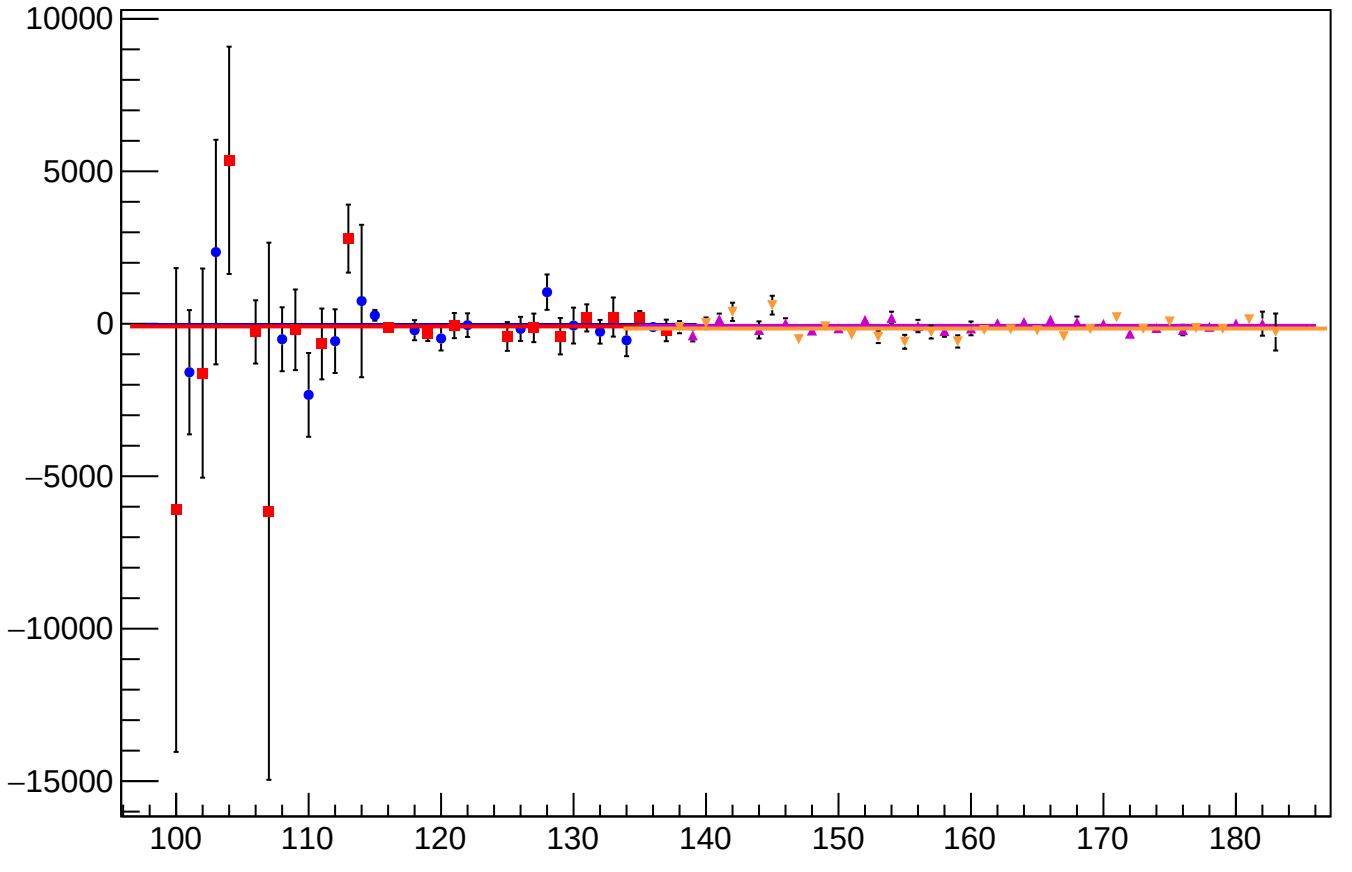
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.050+/-0.363 χ^2/NDF:1825.2/21

+ sign 2211.656+/-0.311 χ^2/NDF: 547283.0/38

All: 2216.067+/-0.221 χ^2/NDF: 760534.4/78

- sign 2220.535+/-0.313 χ^2/NDF: 212846.7/39



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -156.072+/-34.077 χ^2/NDF:45.7/22

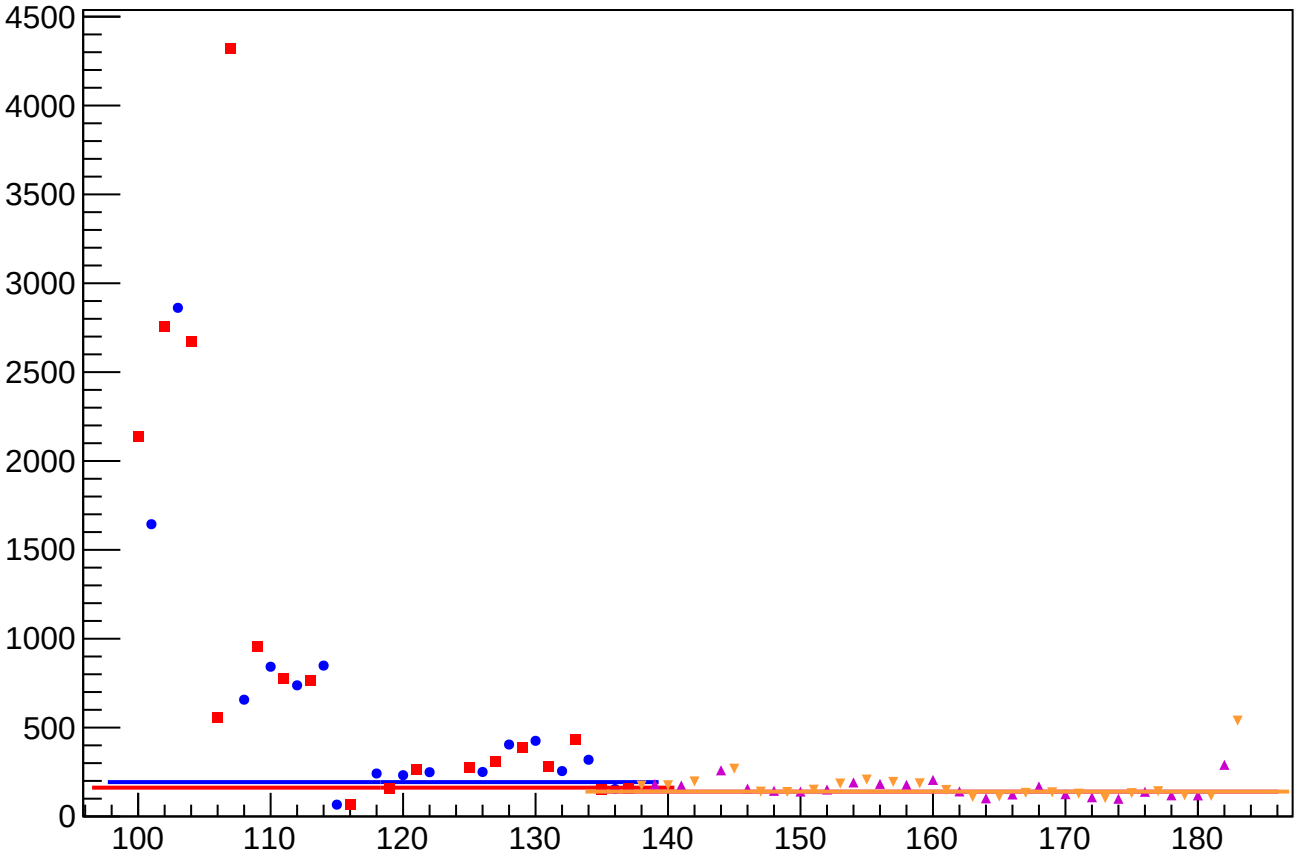
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -70.073+/-34.226 χ^2/NDF:18.9/21

+ sign -142.191+/-31.973 χ^2/NDF: 61.1/38

All: -107.061+/-22.549 χ^2/NDF: 97.5/78

- sign -72.299+/-31.805 χ^2/NDF: 33.9/39



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 139.915+/-0.024 χ^2/NDF:2471044.7/22

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

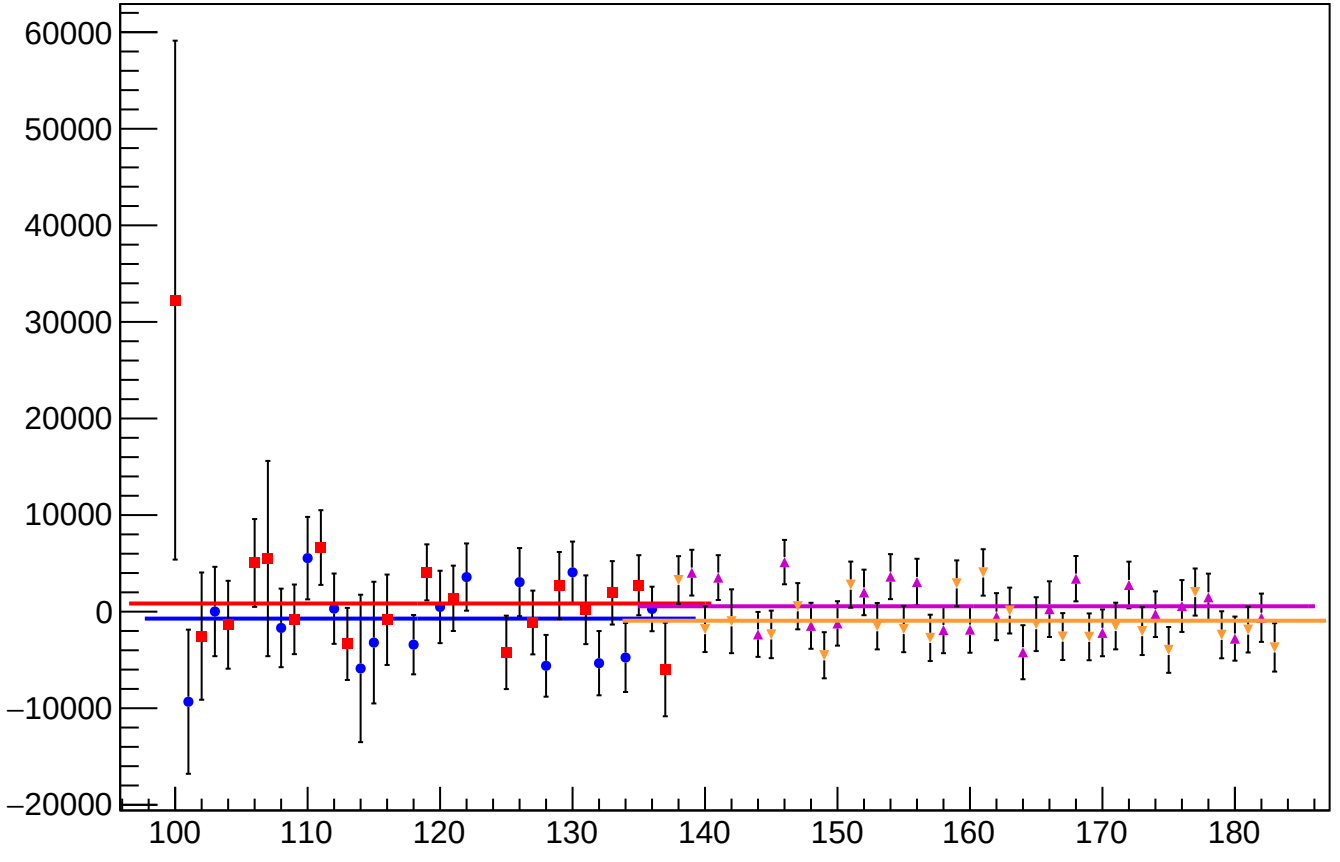
Left In: 139.490+/-0.024 χ^2/NDF:2095497.1/21

+ sign 146.300+/-0.023 χ^2/NDF: 8675479.0/38

All: 144.429+/-0.016 χ^2/NDF: 17974405.7/78

- sign 142.578+/-0.022 χ^2/NDF: 9285299.4/39

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -937.505+/-511.179 χ^2/NDF:22.4/22

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

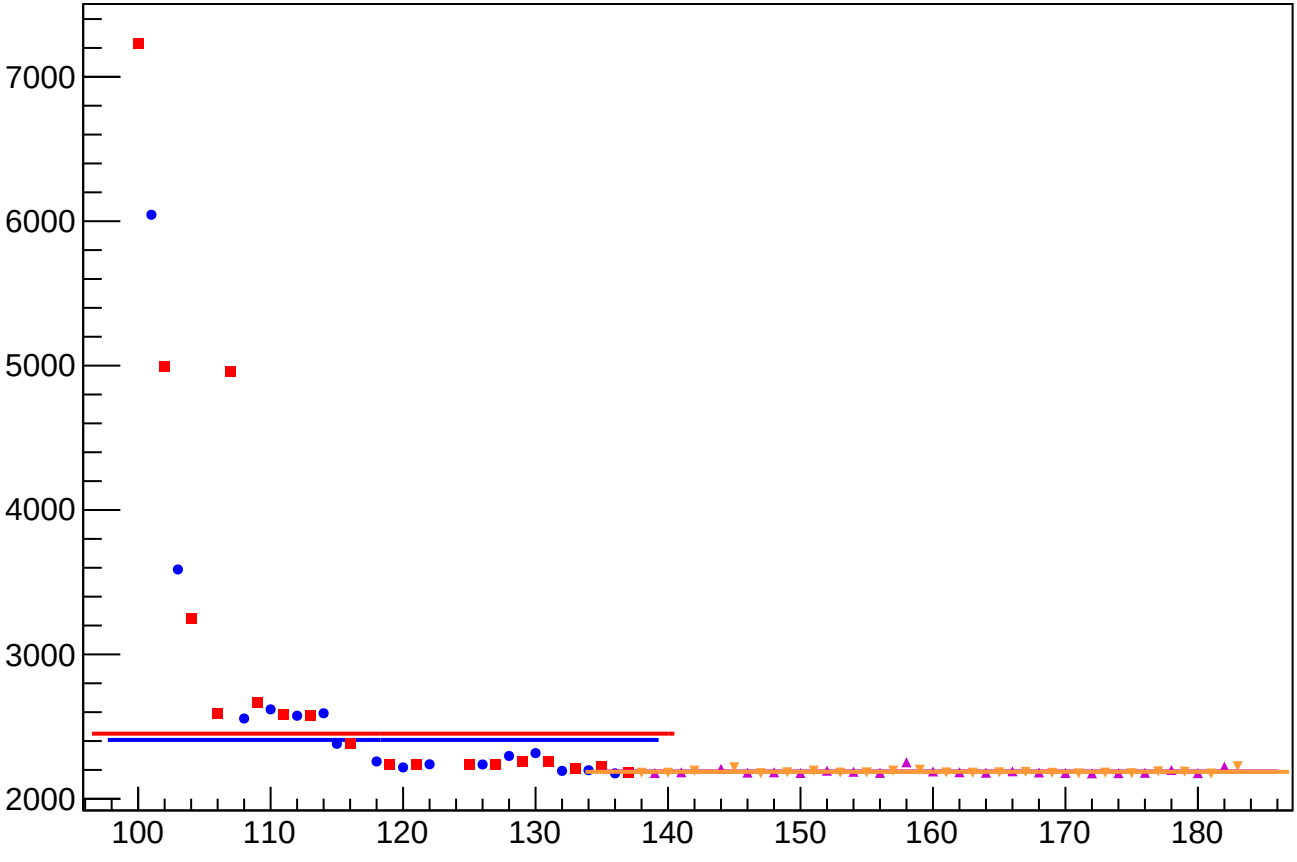
Left In: 557.605+/-515.437 χ^2/NDF:25.3/21

+ sign -885.770+/-446.403 χ^2/NDF: 38.2/38

All: -137.466+/-317.155 χ^2/NDF: 82.2/78

- sign 625.240+/-450.678 χ^2/NDF: 38.3/39

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.100+/-0.361 χ^2/NDF:1188.9/22

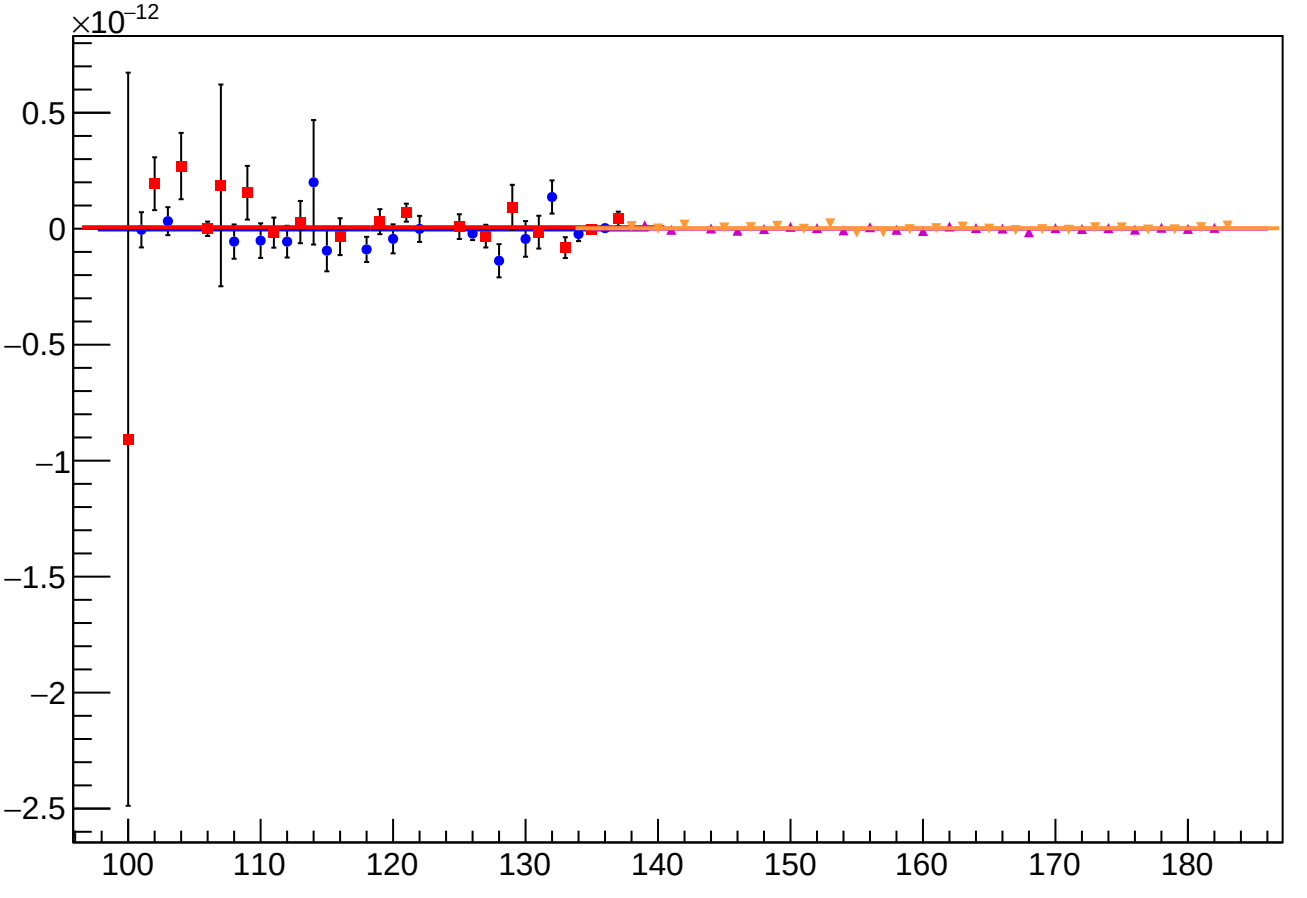
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2189.591+/-0.364 χ^2/NDF:2385.9/21

+ sign 2239.489+/-0.316 χ^2/NDF: 766574.3/38

All: 2245.287+/-0.224 χ^2/NDF: 1524560.3/78

- sign 2251.196+/-0.319 χ^2/NDF: 757304.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/22

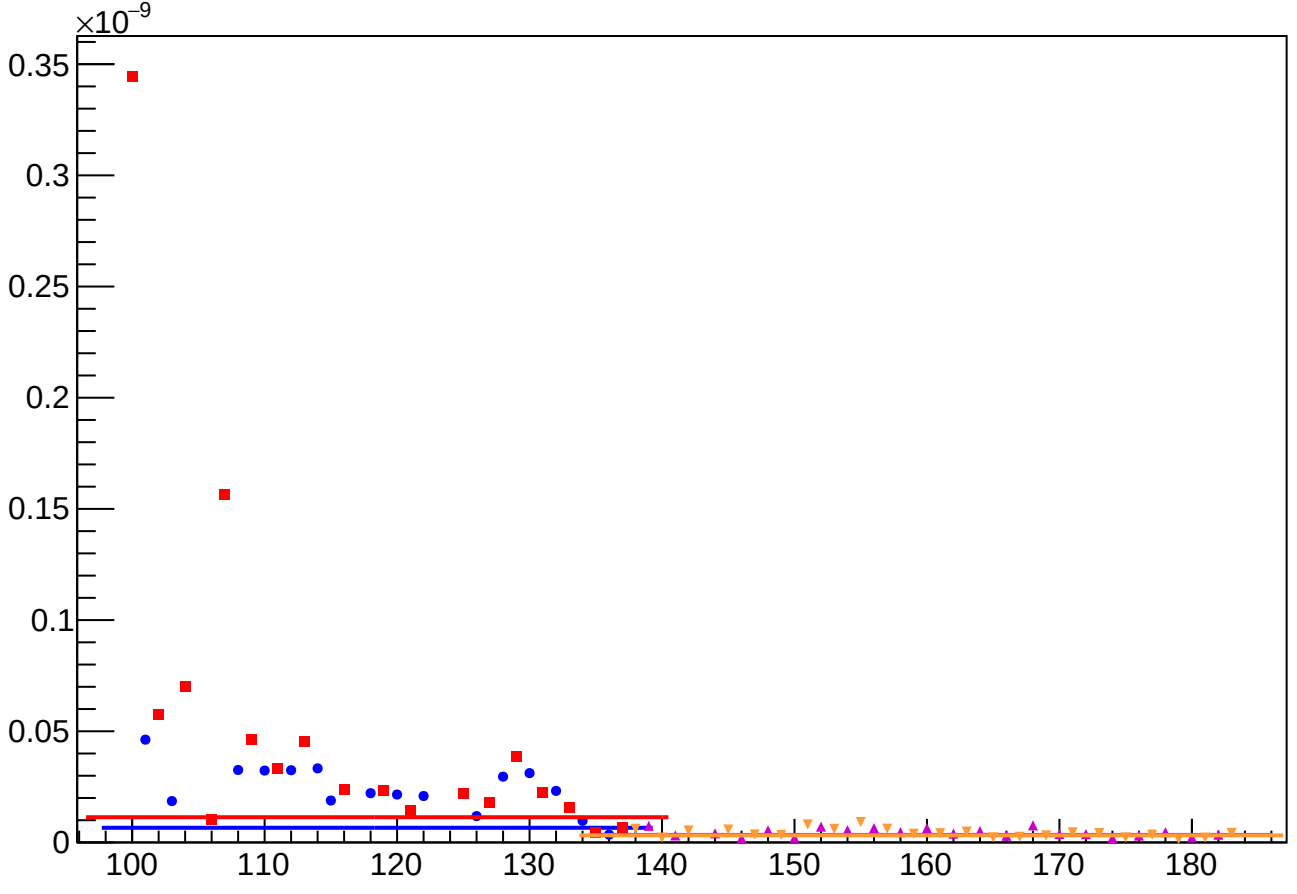
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:13.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/38

All: 0.000+/-0.000 χ^2/NDF: 68.4/78

- sign 0.000+/-0.000 χ^2/NDF: 32.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2029200.7/22

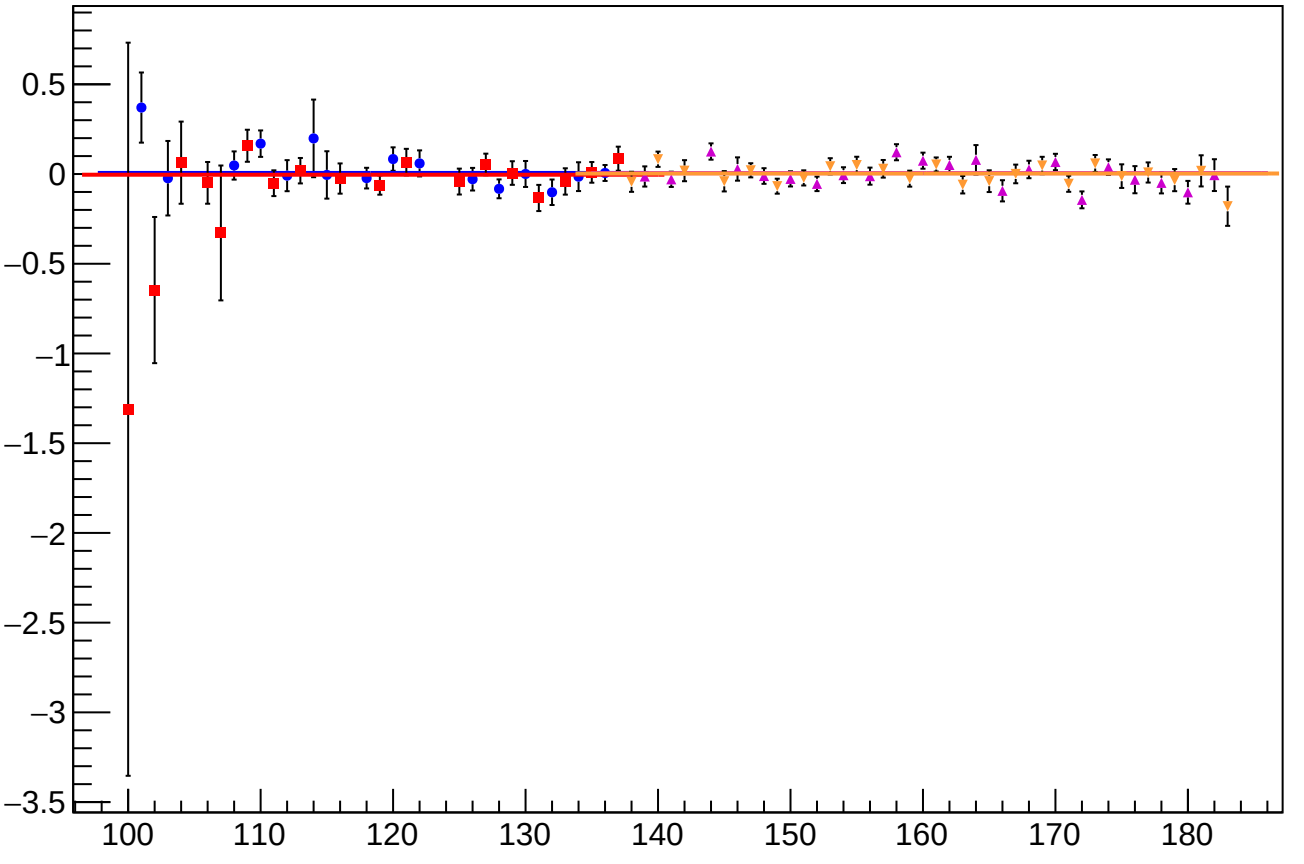
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1691832.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 5446057.6/38

All: 0.000+/-0.000 χ^2/NDF: 11154859.4/78

- sign 0.000+/-0.000 χ^2/NDF: 5683837.4/39



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.7/22

Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

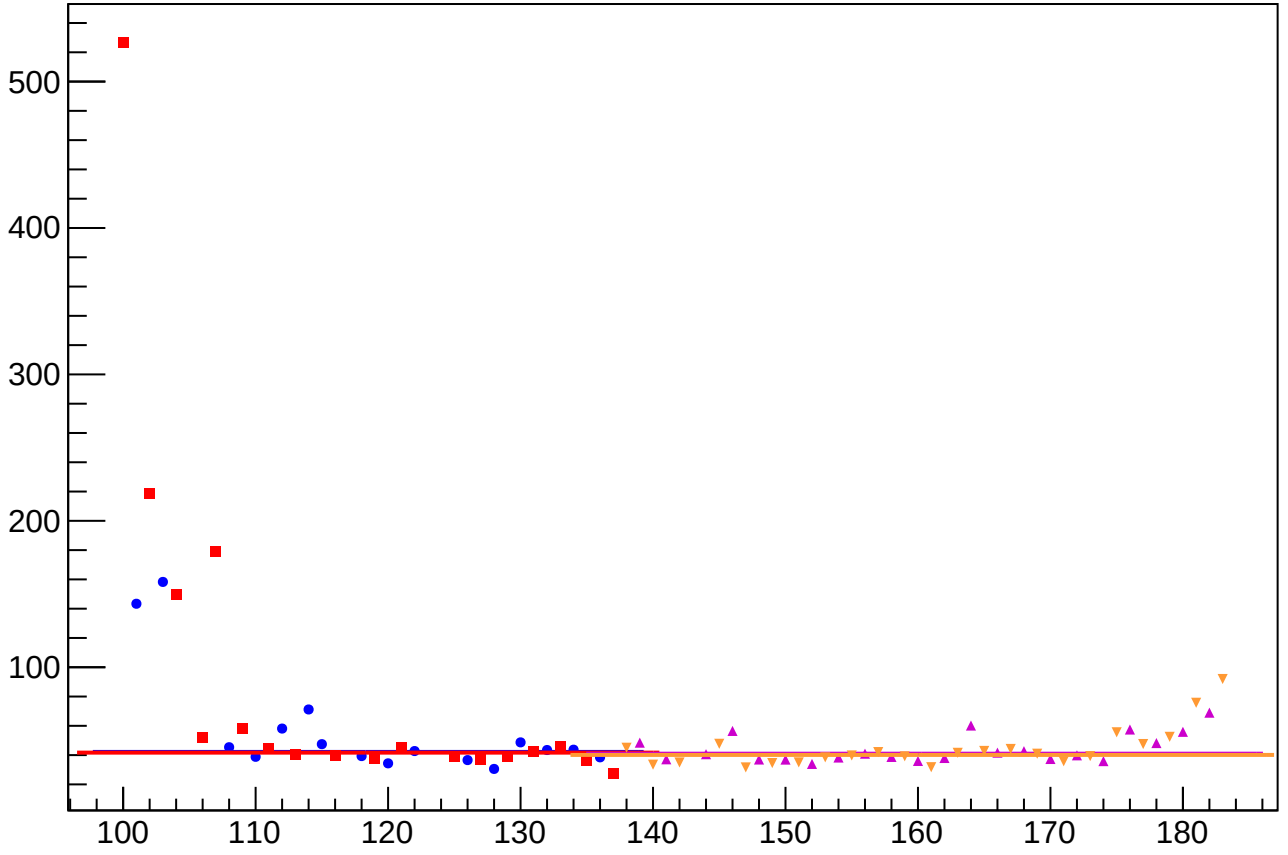
Left In: 0.005+/-0.011 χ^2/NDF:41.4/21

+ sign 0.004+/-0.009 χ^2/NDF: 38.9/38

All: 0.003+/-0.006 χ^2/NDF: 96.7/78

- sign 0.003+/-0.009 χ^2/NDF: 57.8/39

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 40.126+/-0.007 χ^2/NDF:1421371.2/22

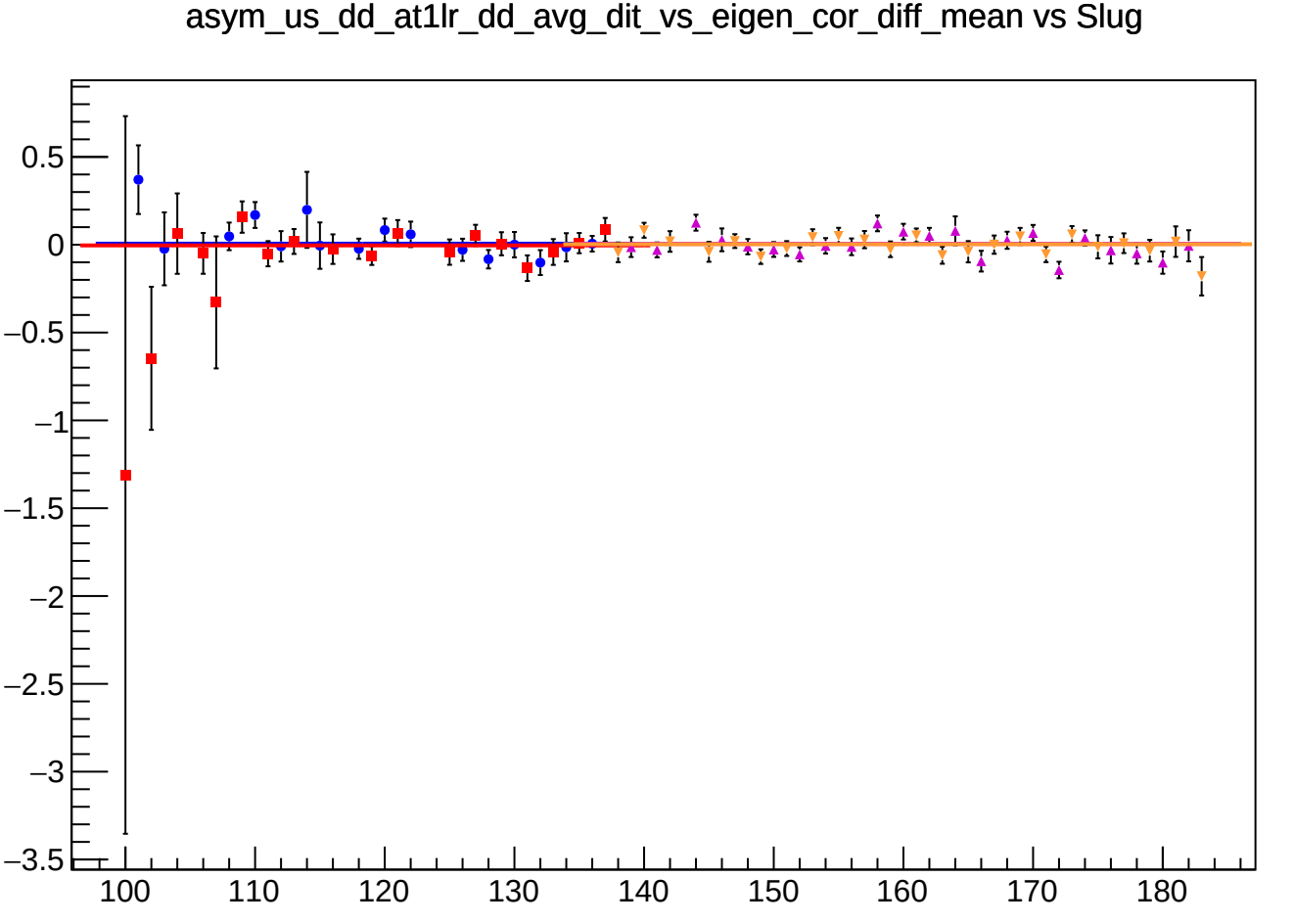
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.963+/-0.007 χ^2/NDF:895958.3/21

+ sign 40.626+/-0.006 χ^2/NDF: 2894584.2/38

All: 40.879+/-0.005 χ^2/NDF: 5237265.8/78

- sign 41.142+/-0.007 χ^2/NDF: 2339485.1/39



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.7/22

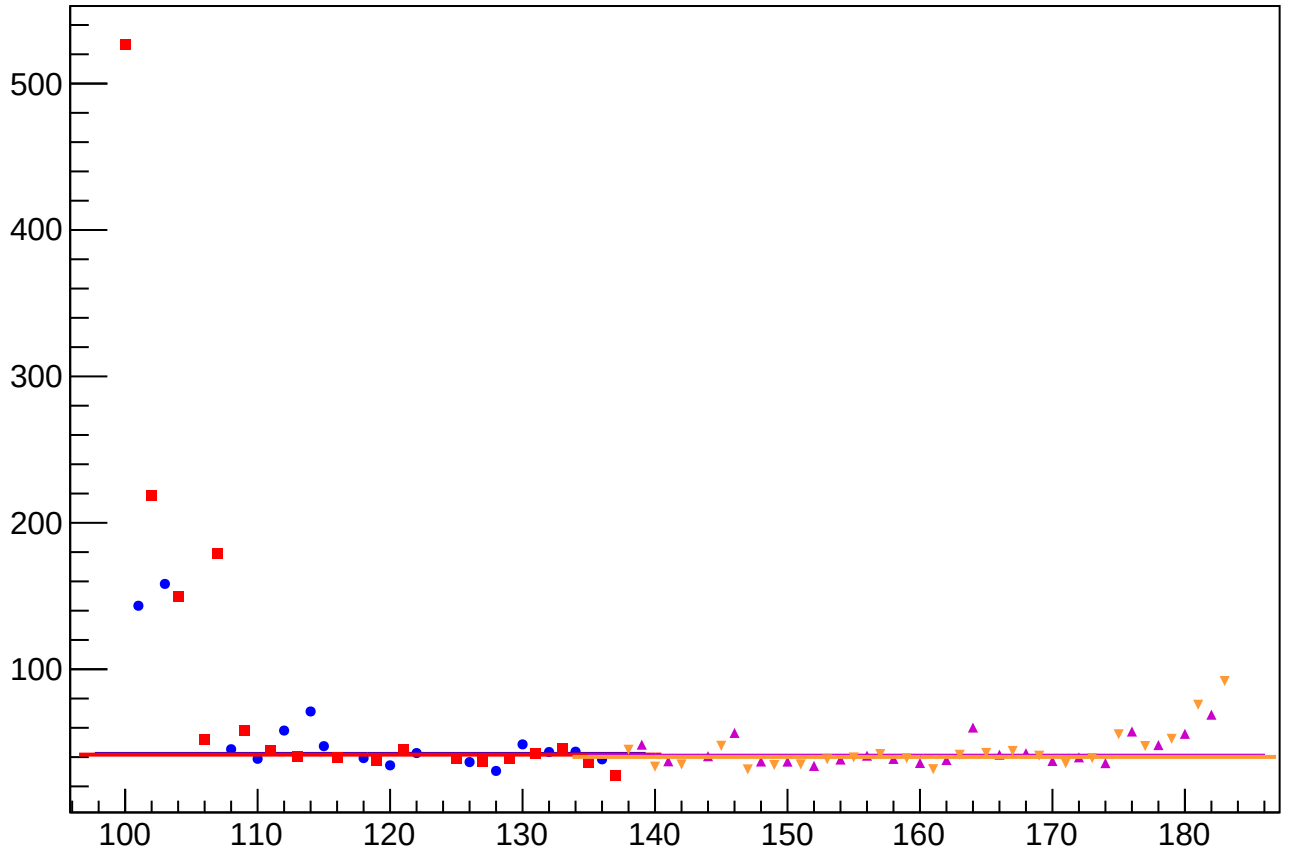
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.4/21

+ sign 0.004+/-0.009 χ^2/NDF: 38.9/38

All: 0.003+/-0.006 χ^2/NDF: 96.7/78

- sign 0.003+/-0.009 χ^2/NDF: 57.8/39



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 40.126+/-0.007 χ^2/NDF:1421371.2/22

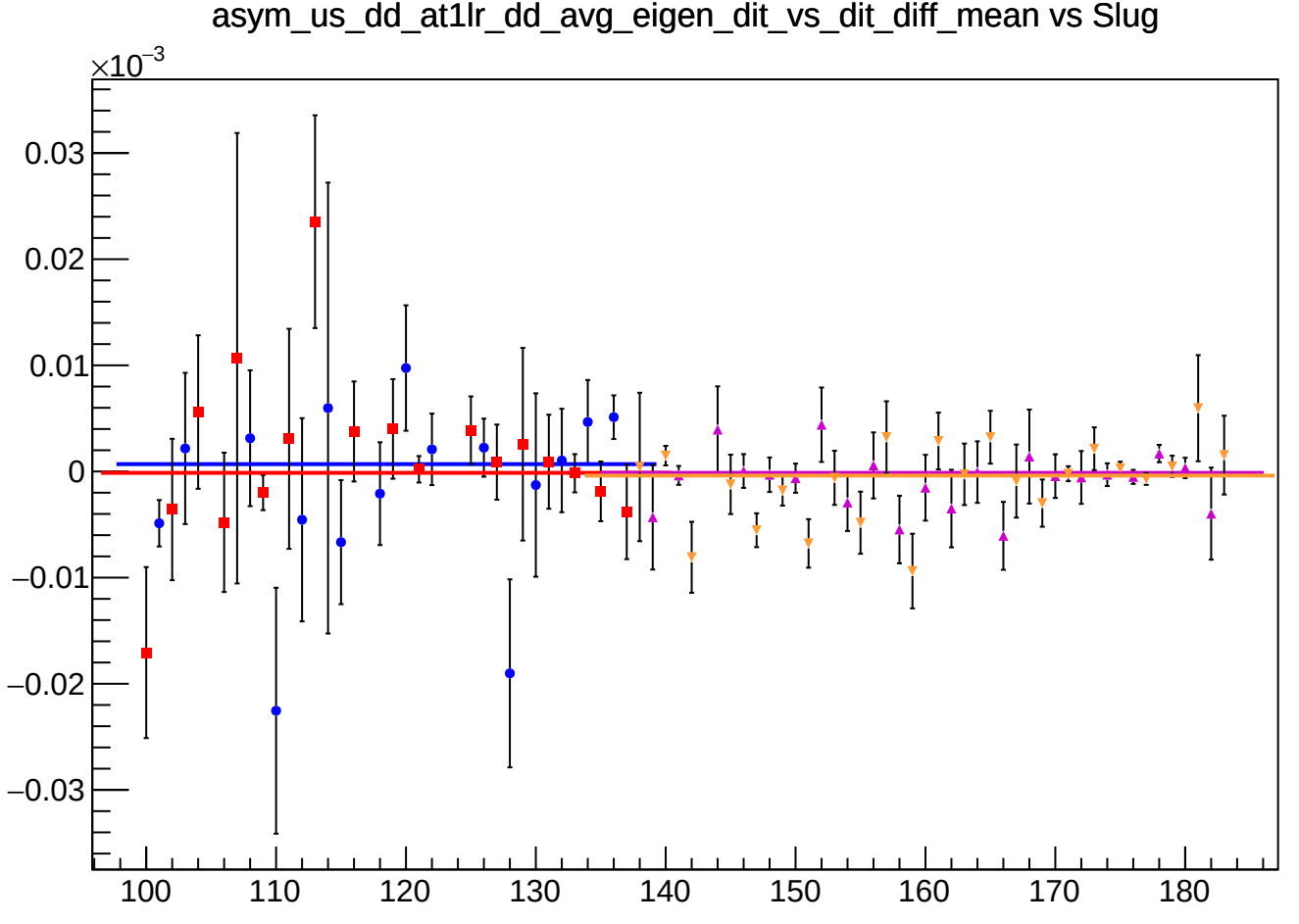
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.963+/-0.007 χ^2/NDF:895958.3/21

+ sign 40.626+/-0.006 χ^2/NDF: 2894584.2/38

All: 40.879+/-0.005 χ^2/NDF: 5237265.8/78

- sign 41.142+/-0.007 χ^2/NDF: 2339485.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.6/22

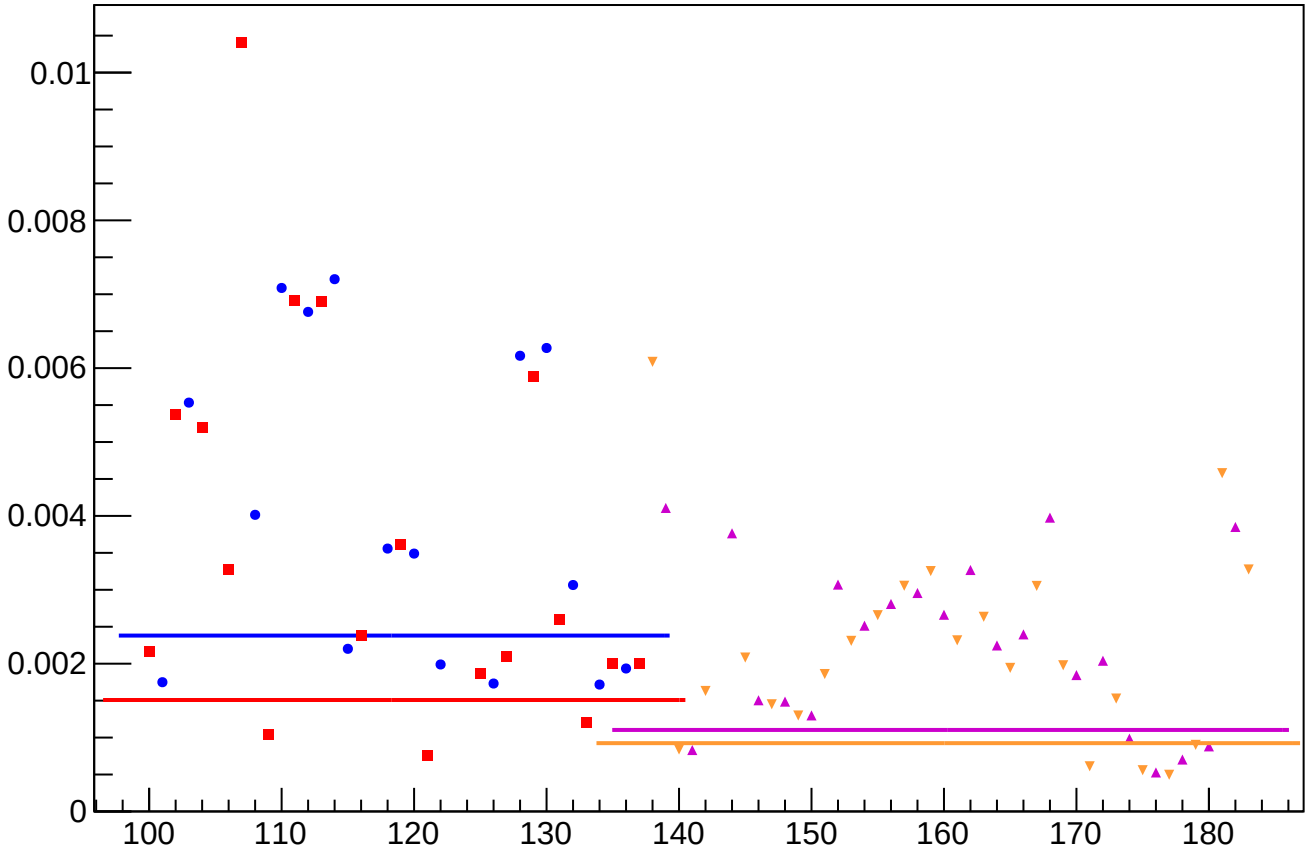
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:18.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 77.1/38

All: -0.000+/-0.000 χ^2/NDF: 113.3/78

- sign -0.000+/-0.000 χ^2/NDF: 36.0/39



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:12310495.3/22

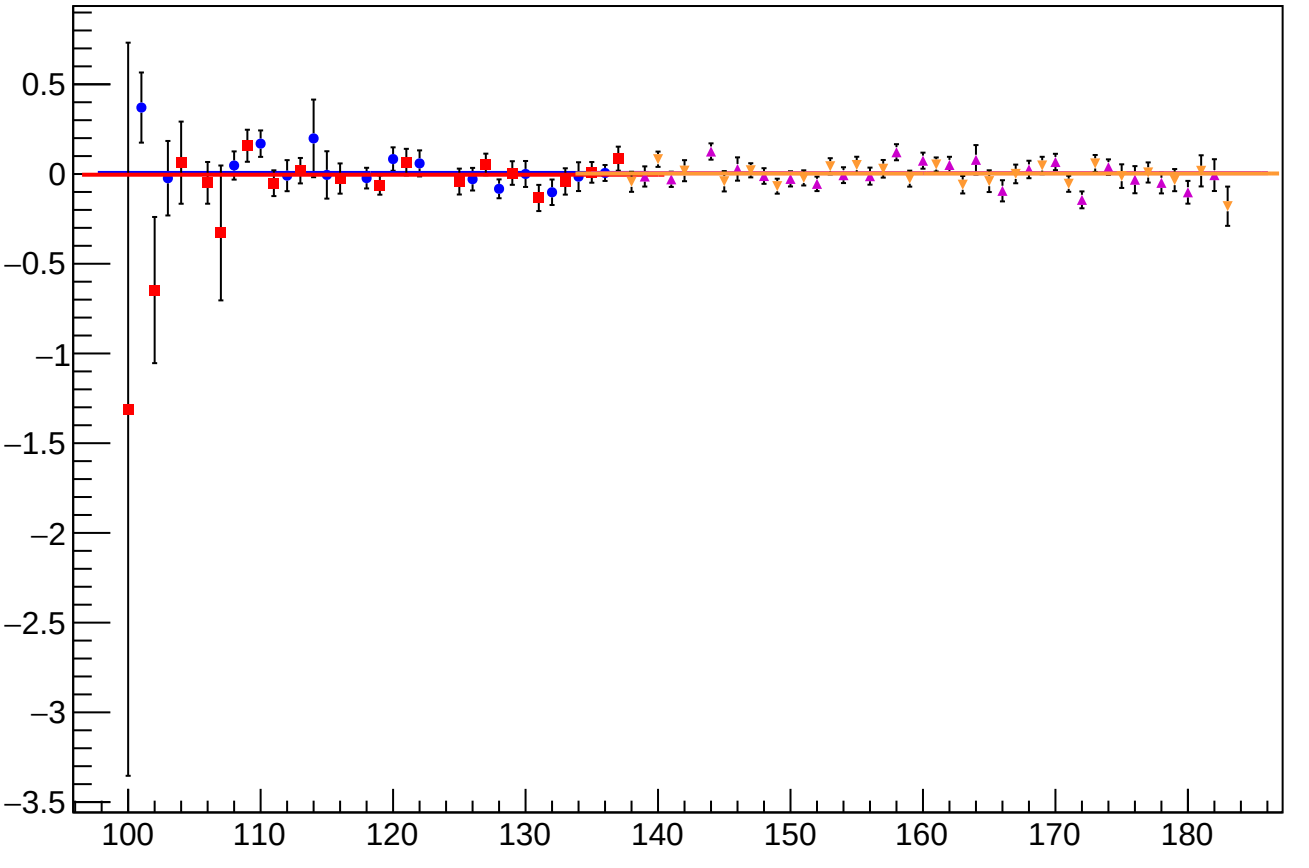
Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:10696960.5/21

+ sign 0.001+/-0.000 χ^2/NDF: 18952446.5/38

All: 0.001+/-0.000 χ^2/NDF: 35440961.8/78

- sign 0.001+/-0.000 χ^2/NDF: 16226448.3/39



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.7/22

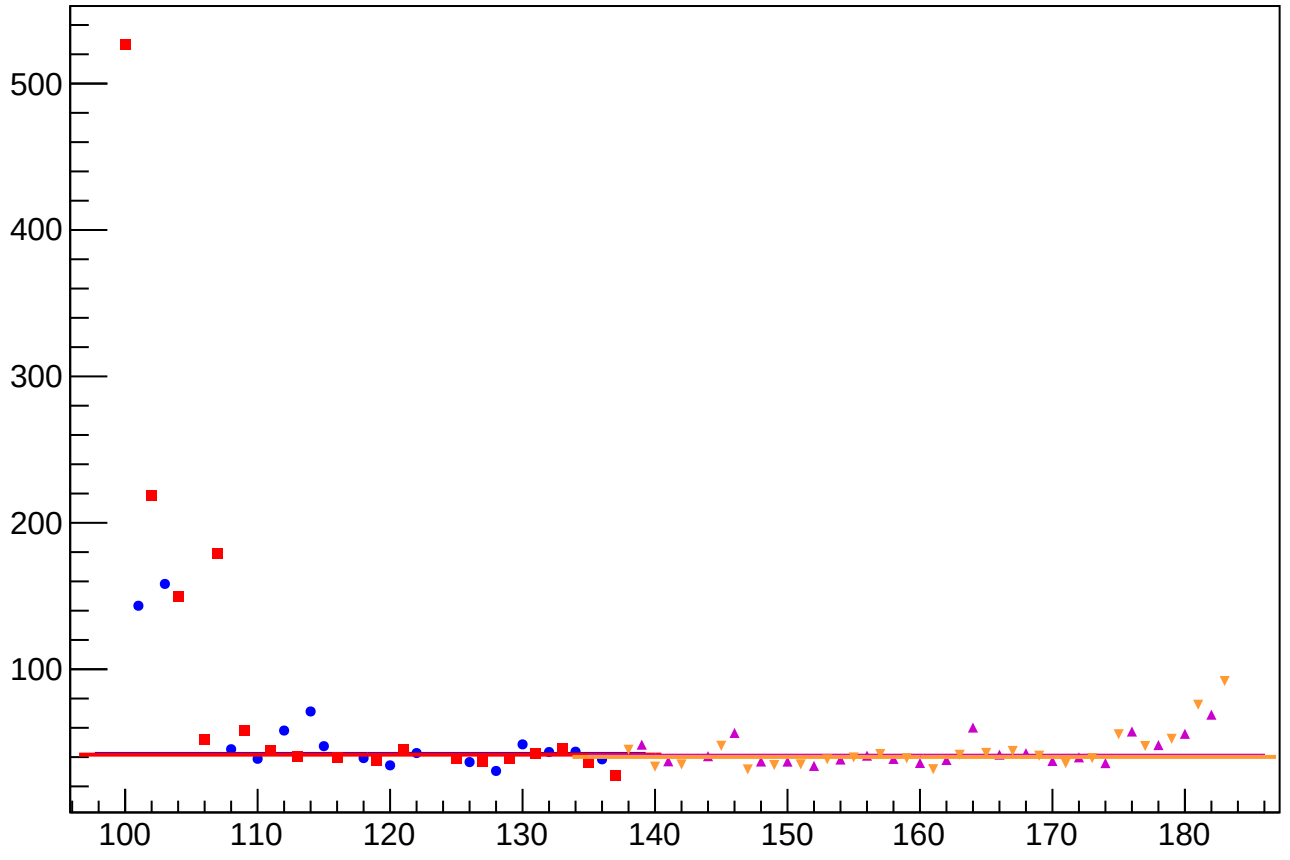
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.4/21

+ sign 0.004+/-0.009 χ^2/NDF: 38.9/38

All: 0.003+/-0.006 χ^2/NDF: 96.7/78

- sign 0.003+/-0.009 χ^2/NDF: 57.8/39



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 40.126+/-0.007 χ^2/NDF:1421349.4/22

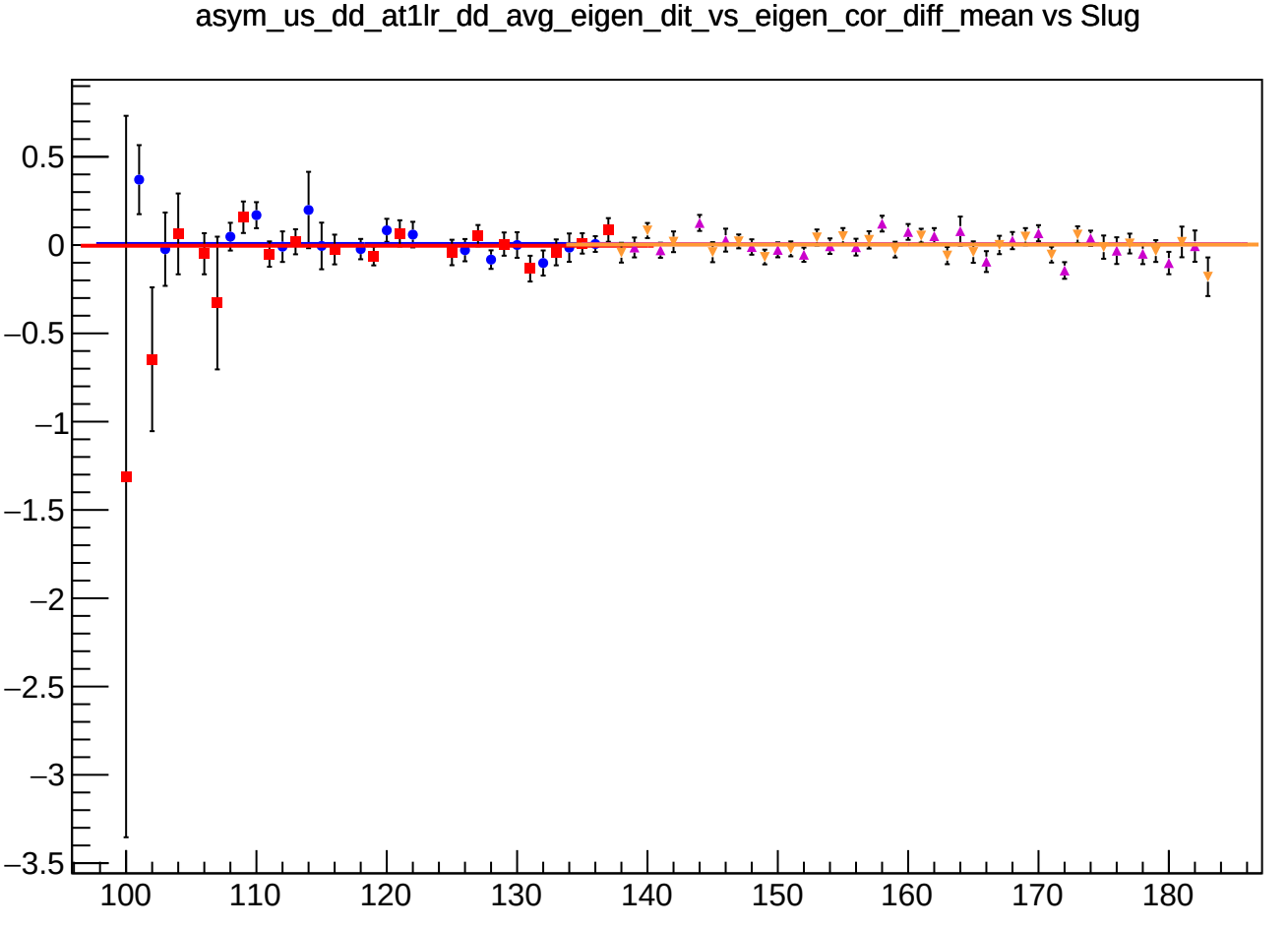
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.963+/-0.007 χ^2/NDF:895984.4/21

+ sign 40.625+/-0.006 χ^2/NDF: 2894730.1/38

All: 40.879+/-0.005 χ^2/NDF: 5237428.9/78

- sign 41.142+/-0.007 χ^2/NDF: 2339494.9/39



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.7/22

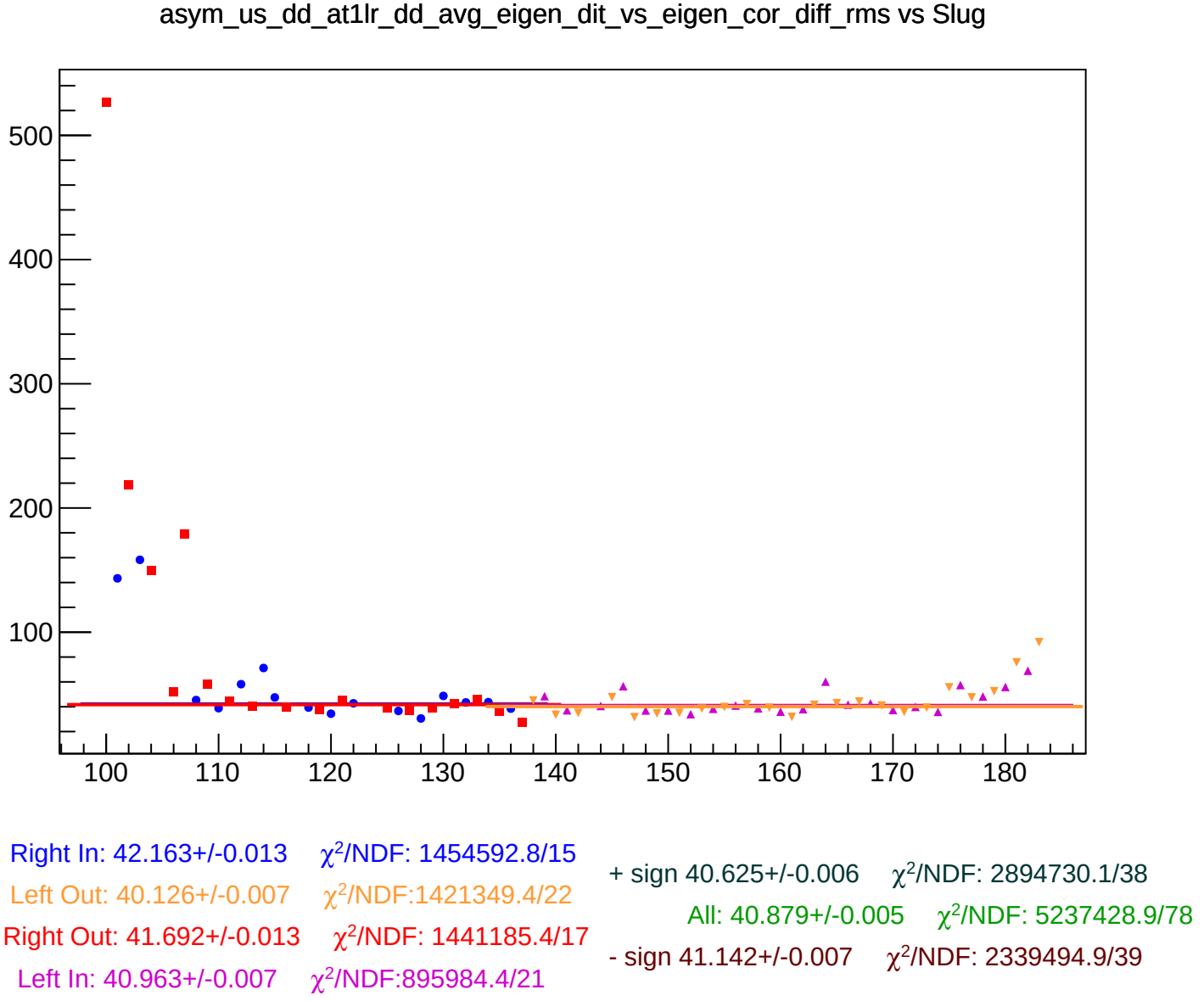
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

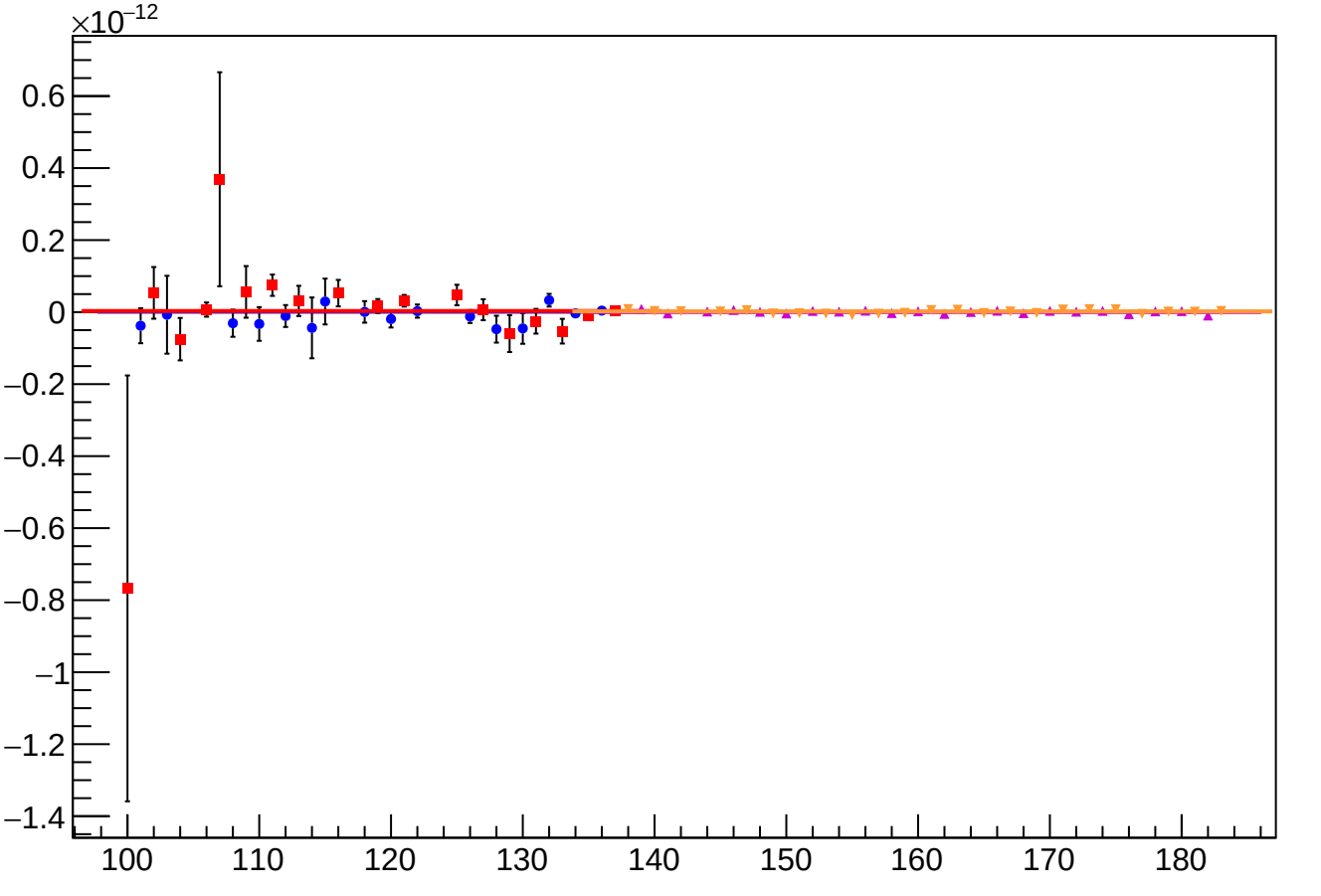
Left In: 0.005+/-0.011 χ^2/NDF:41.4/21

+ sign 0.004+/-0.009 χ^2/NDF: 38.9/38

All: 0.003+/-0.006 χ^2/NDF: 96.7/78

- sign 0.003+/-0.009 χ^2/NDF: 57.8/39


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 40.126+/-0.007 χ²/NDF:1421349.4/22
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 40.963+/-0.007 χ²/NDF:895984.4/21
+ sign 40.625+/-0.006 χ²/NDF: 2894730.1/38
All: 40.879+/-0.005 χ²/NDF: 5237428.9/78
- sign 41.142+/-0.007 χ²/NDF: 2339494.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/22

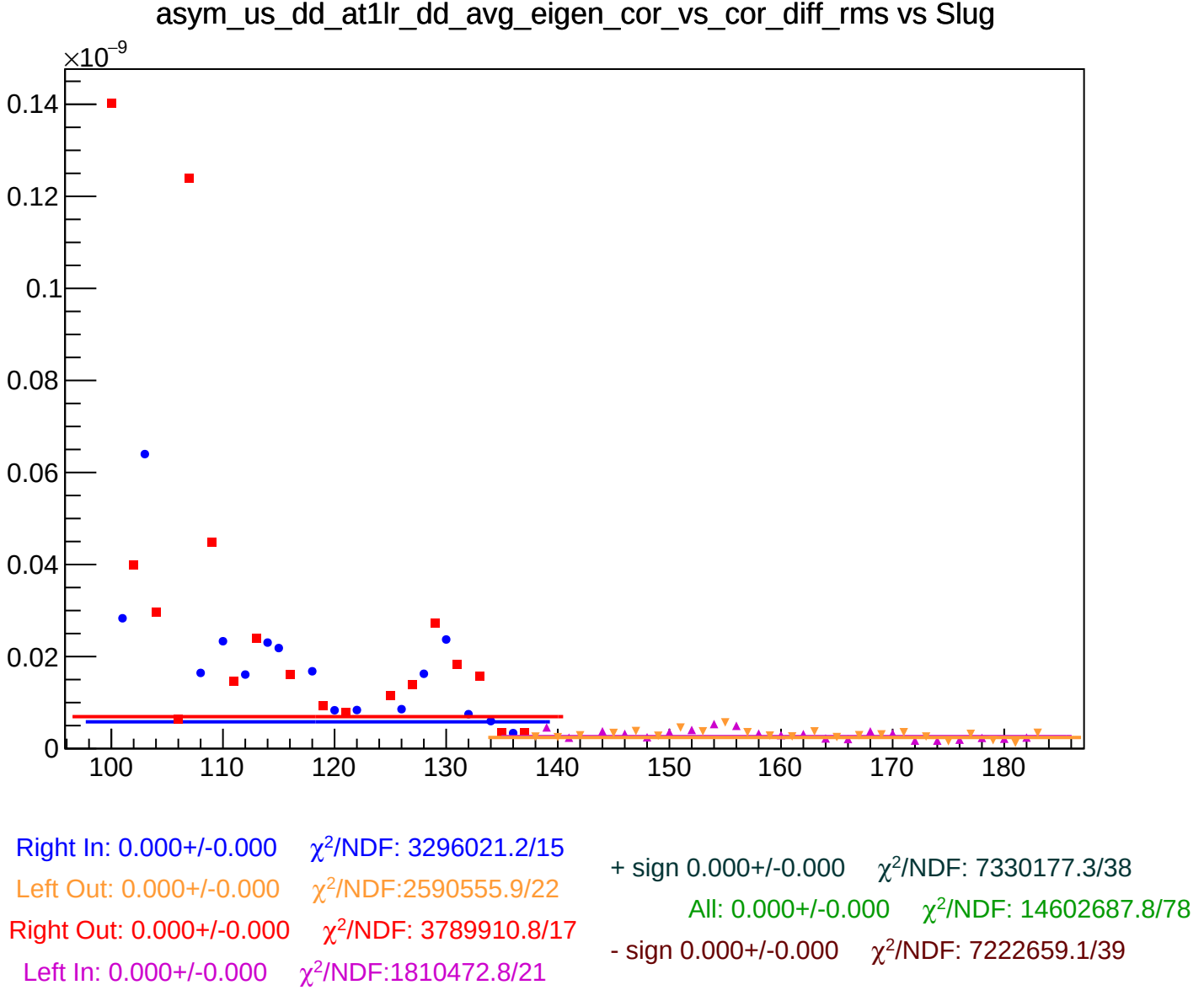
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:22.8/21

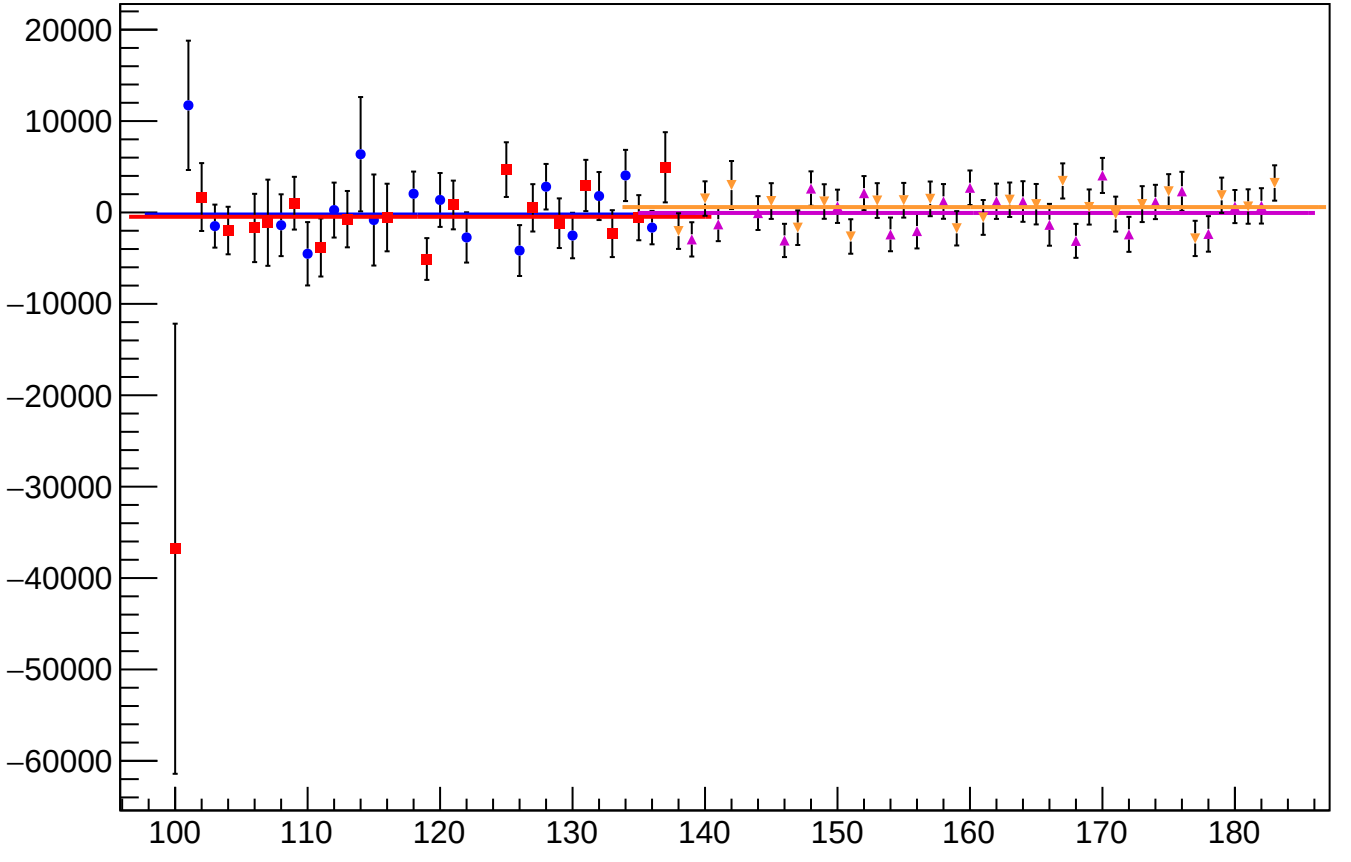
+ sign 0.000+/-0.000 χ^2/NDF: 35.5/38

All: 0.000+/-0.000 χ^2/NDF: 89.3/78

- sign 0.000+/-0.000 χ^2/NDF: 51.9/39


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2590555.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1810472.8/21
+ sign 0.000+/-0.000 χ²/NDF: 7330177.3/38
All: 0.000+/-0.000 χ²/NDF: 14602687.8/78
- sign 0.000+/-0.000 χ²/NDF: 7222659.1/39

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 588.413+/-404.591 χ^2/NDF:18.8/22

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

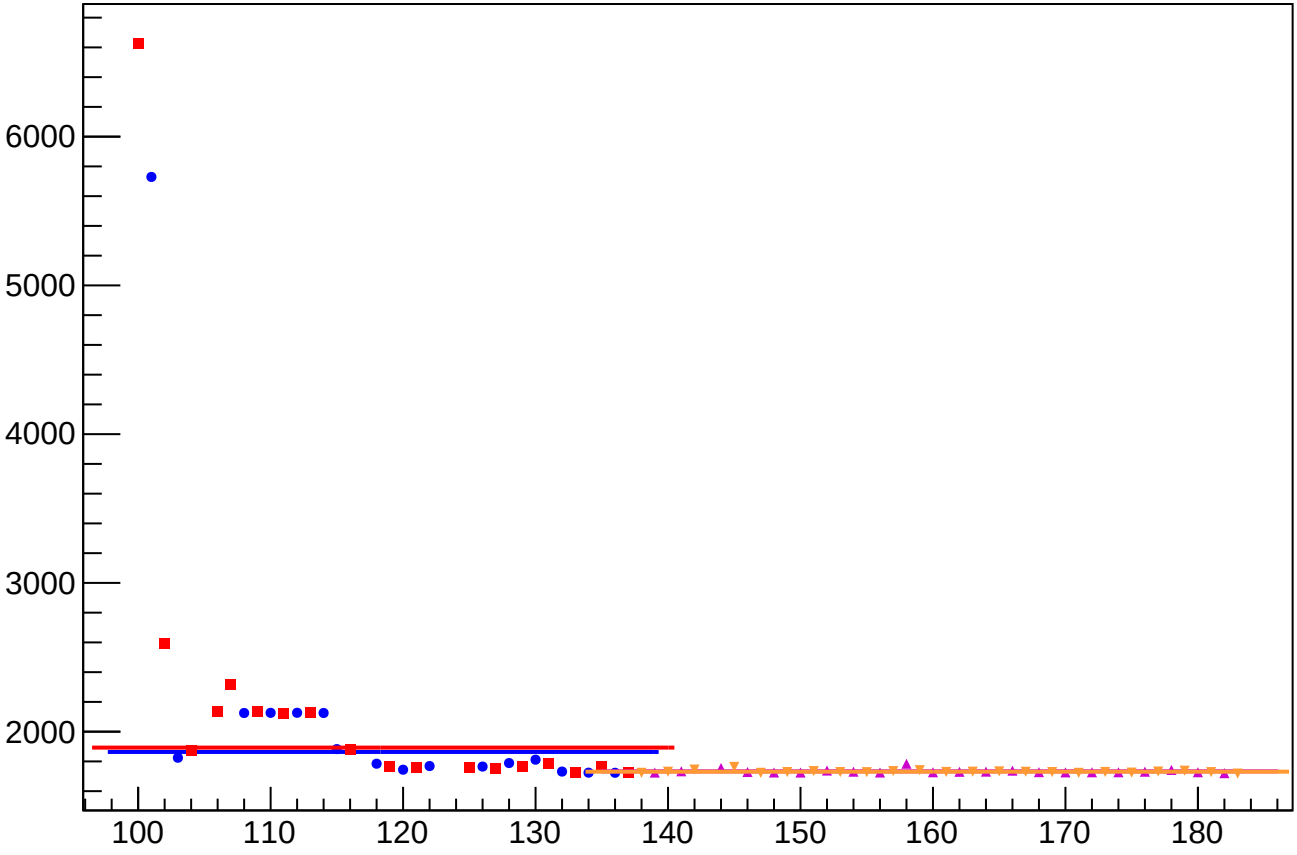
Left In: -53.637+/-408.011 χ^2/NDF:27.5/21

+ sign 389.160+/-351.419 χ^2/NDF: 35.6/38

All: 117.896+/-249.378 χ^2/NDF: 80.4/78

- sign -157.275+/-353.941 χ^2/NDF: 43.7/39

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.058+/-0.286 χ^2/NDF:931.3/22

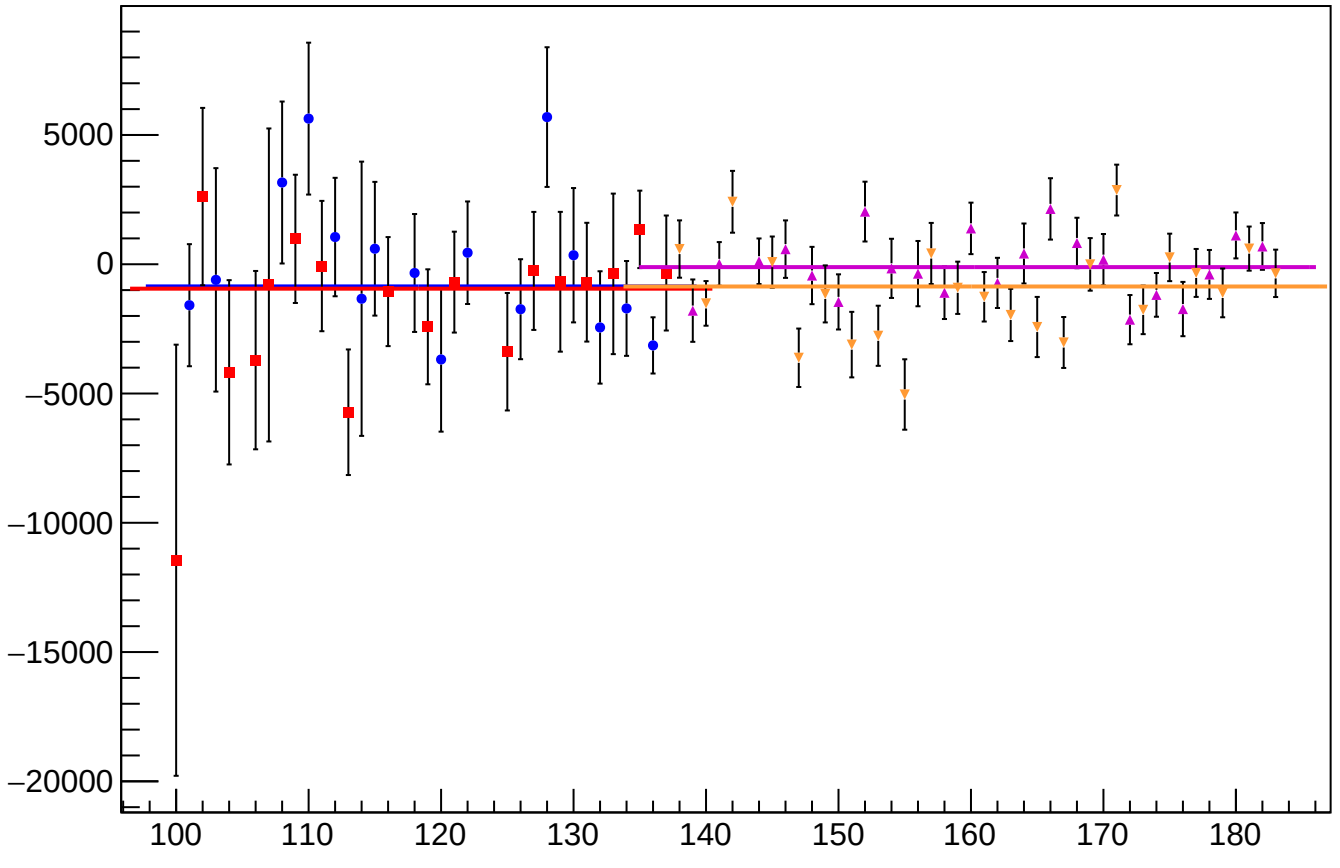
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.251+/-0.289 χ^2/NDF:2194.1/21

+ sign 1763.602+/-0.248 χ^2/NDF: 728289.5/38

All: 1768.145+/-0.176 χ^2/NDF: 1058418.5/78

- sign 1772.753+/-0.250 χ^2/NDF: 329455.8/39



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -860.408+/-212.770 χ^2/NDF:62.3/22

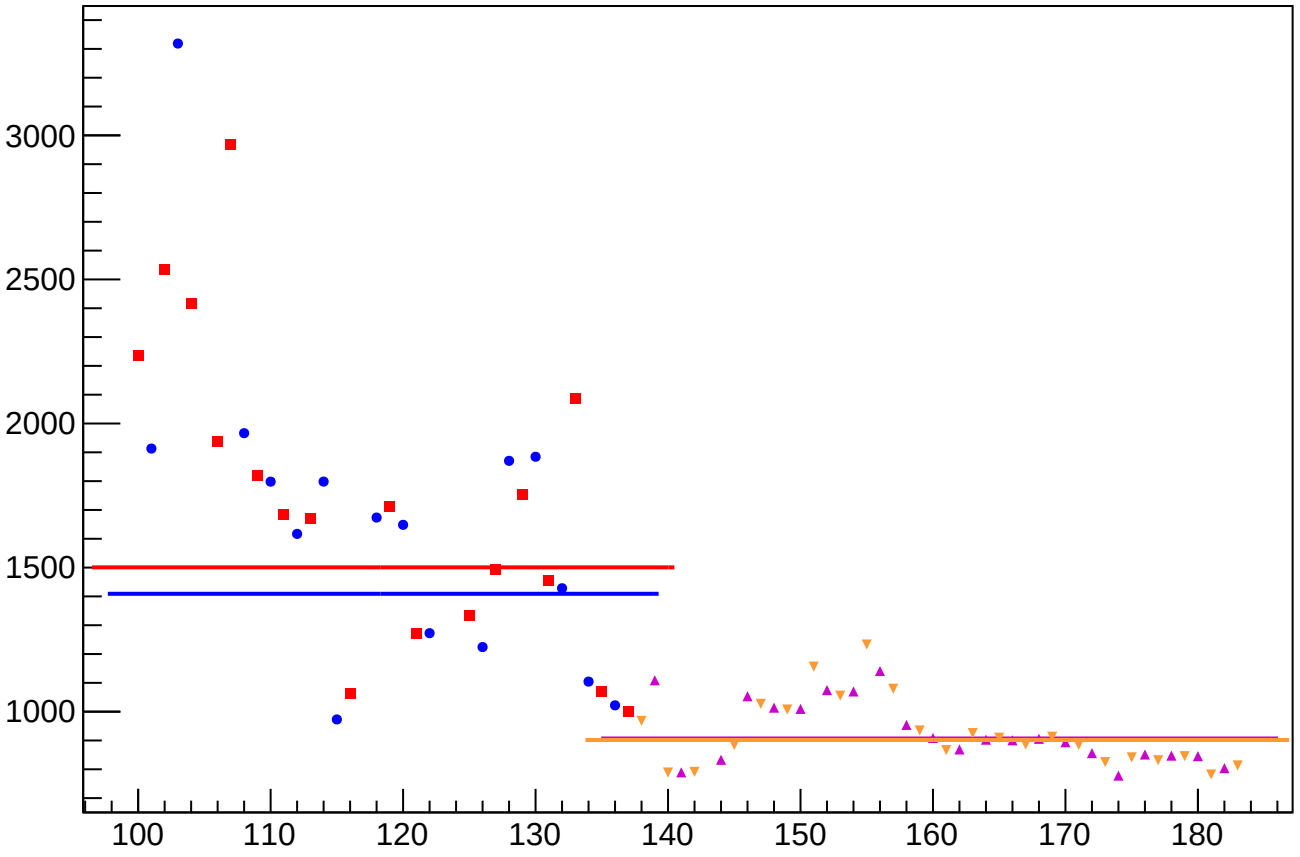
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -110.845+/-215.256 χ^2/NDF:27.3/21

\+ sign -860.002+/-198.429 χ^2/NDF: 82.9/38

All: -541.043+/-141.546 χ^2/NDF: 130.2/78

\- sign -210.593+/-201.972 χ^2/NDF: 42.0/39



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 901.629+/-0.150 χ^2/NDF:487195.0/22

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

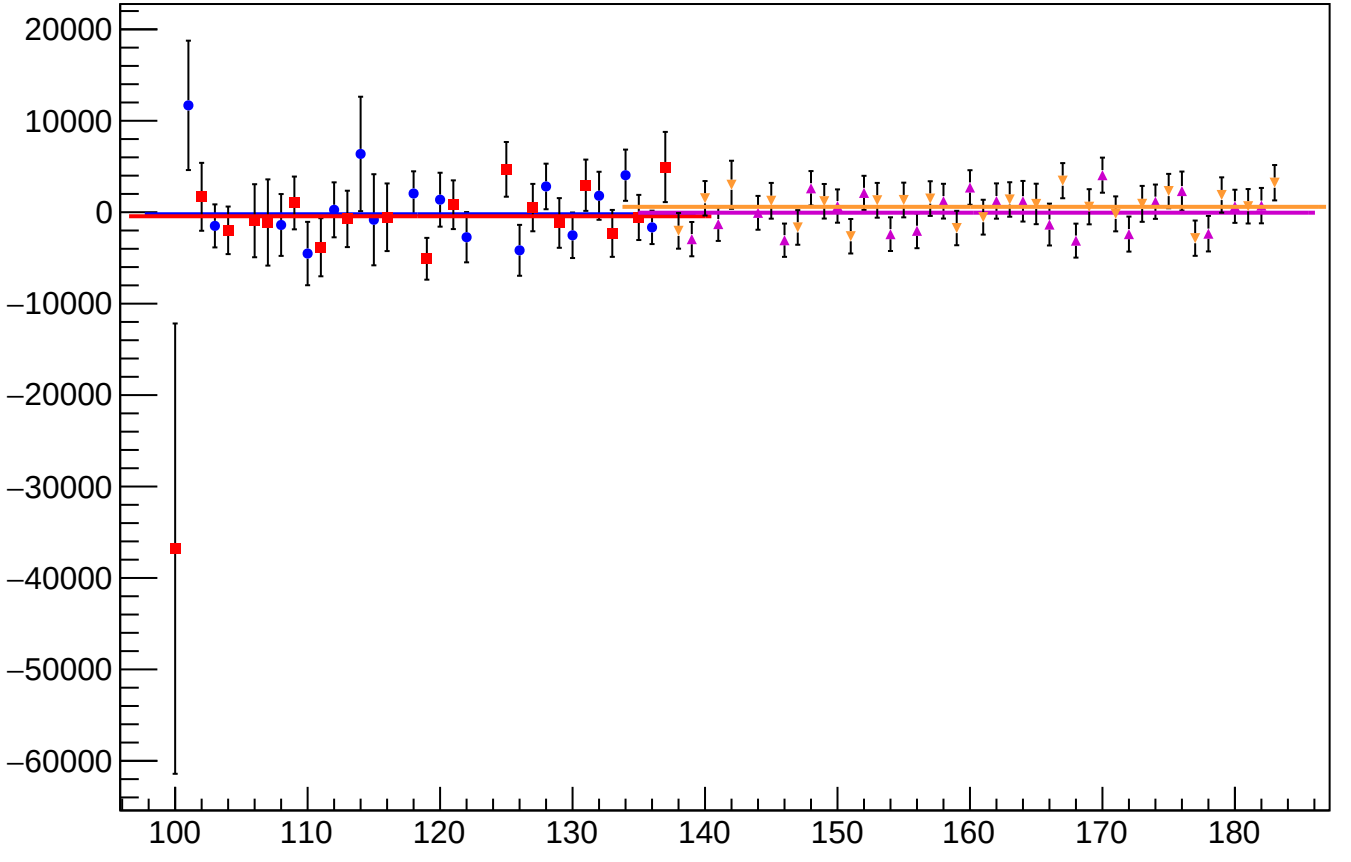
Left In: 906.965+/-0.152 χ^2/NDF:441377.9/21

\+ sign 967.732+/-0.140 χ^2/NDF: 3136867.8/38

All: 972.775+/-0.100 χ^2/NDF: 6432417.6/78

\- sign 978.000+/-0.143 χ^2/NDF: 3292919.8/39

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 588.458+/-404.591 χ^2/NDF:18.8/22

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

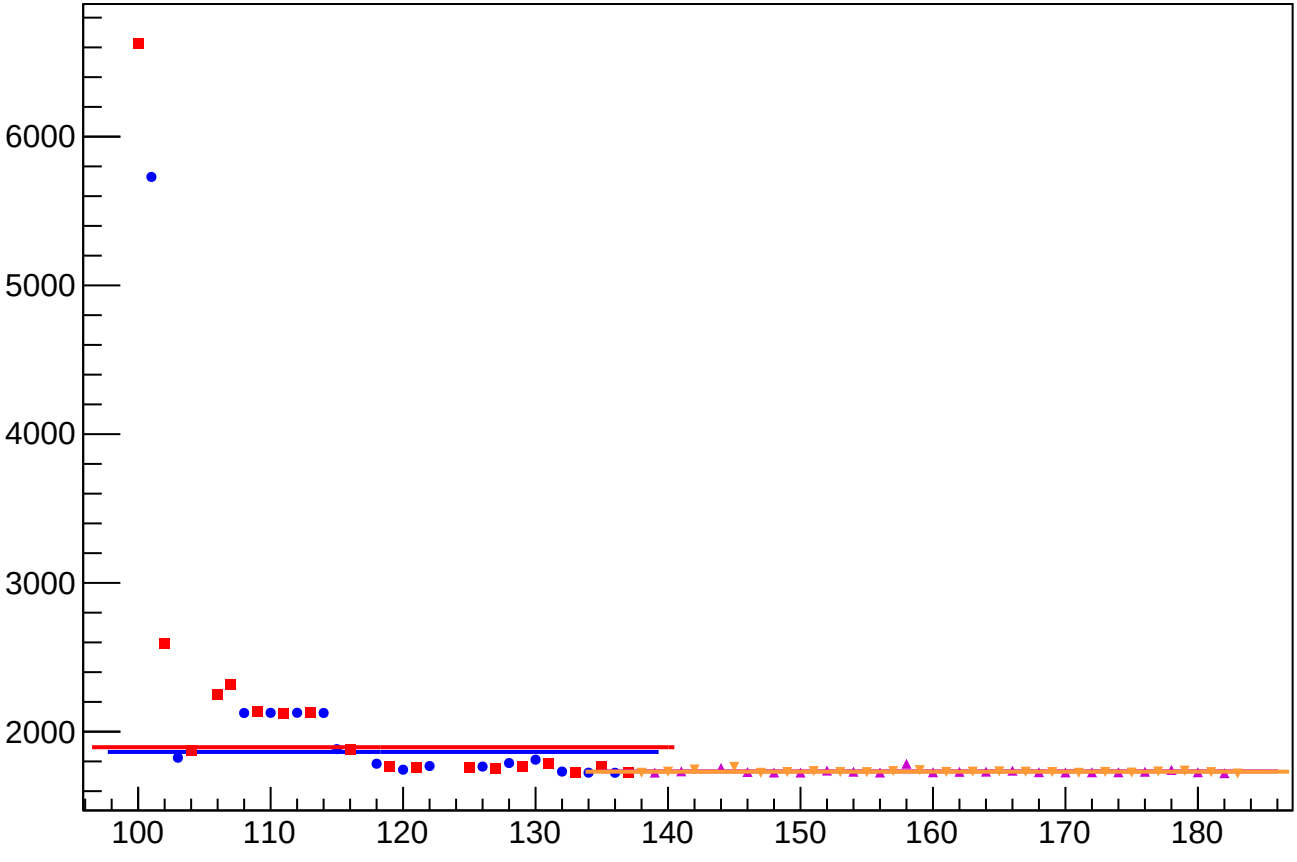
Left In: -53.674+/-408.011 χ^2/NDF:27.5/21

+ sign 389.004+/-351.419 χ^2/NDF: 35.6/38

All: 121.729+/-249.447 χ^2/NDF: 80.3/78

- sign -149.700+/-354.140 χ^2/NDF: 43.5/39

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.058+/-0.286 χ^2/NDF:931.3/22

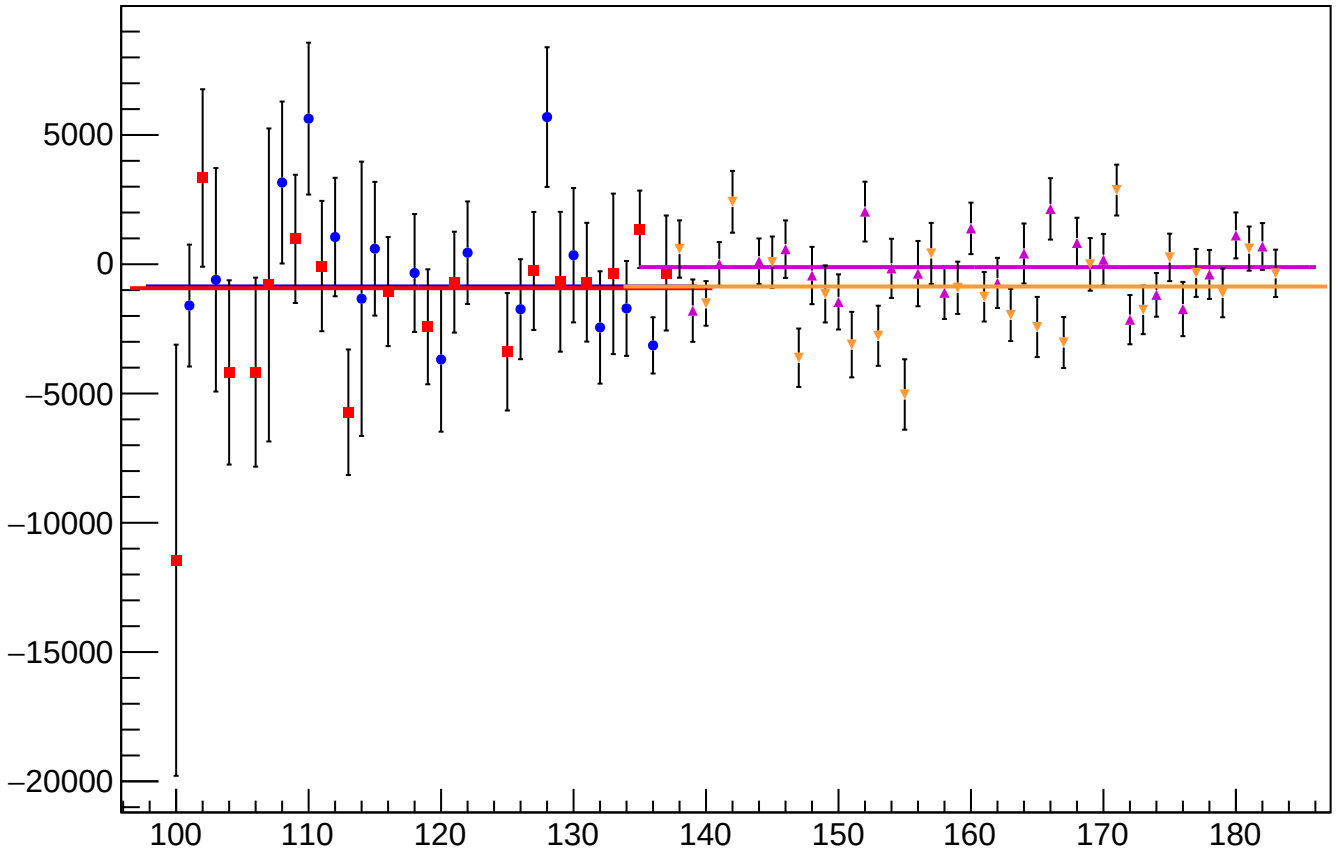
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.251+/-0.289 χ^2/NDF:2194.1/21

+ sign 1763.602+/-0.248 χ^2/NDF: 728289.3/38

All: 1768.396+/-0.176 χ^2/NDF: 1068398.7/78

- sign 1773.265+/-0.250 χ^2/NDF: 339359.1/39



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -860.392+/-212.771 χ^2/NDF:62.3/22

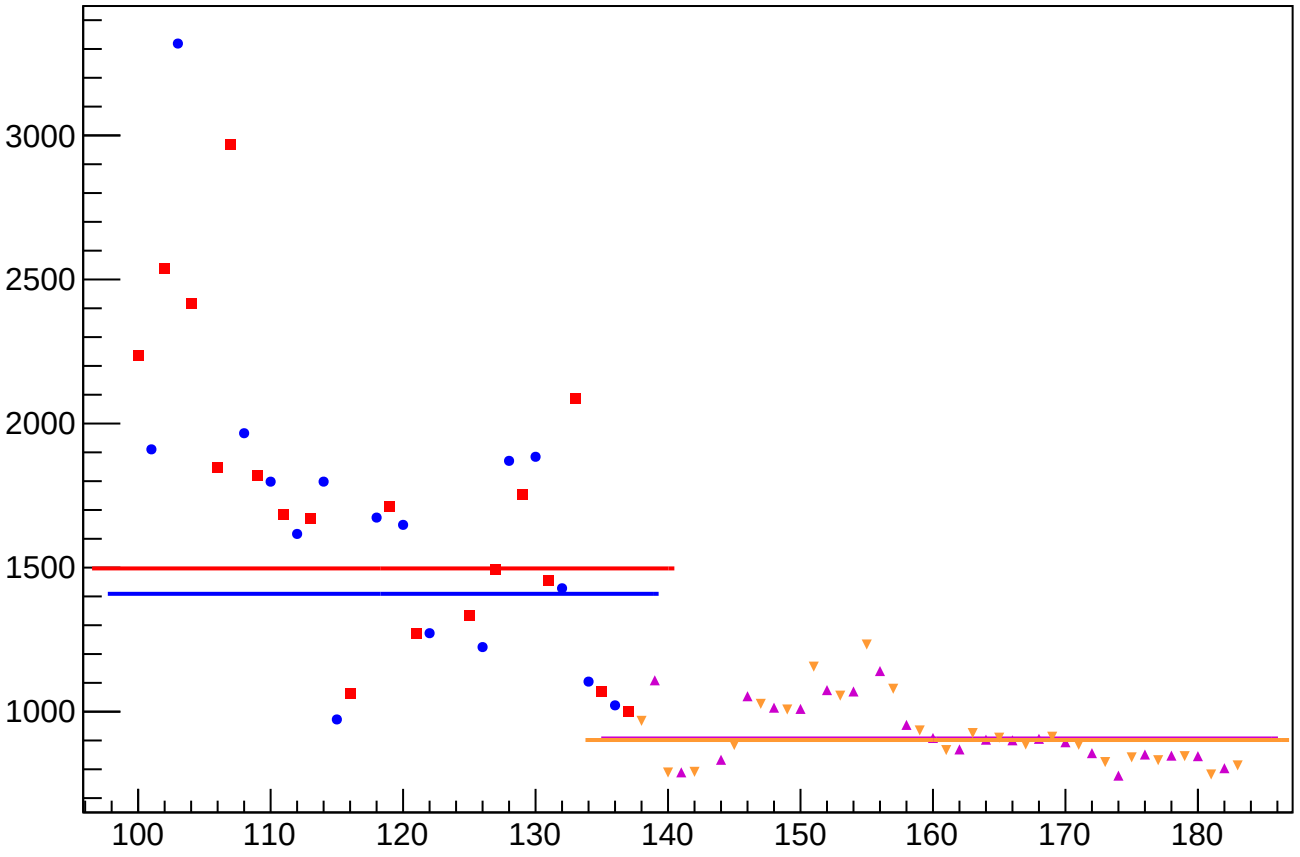
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -110.871+/-215.255 χ^2/NDF:27.3/21

\+ sign -860.095+/-198.427 χ^2/NDF: 82.9/38

All: -540.001+/-141.559 χ^2/NDF: 130.8/78

\- sign -208.249+/-202.009 χ^2/NDF: 42.6/39



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 901.632+/-0.150 χ^2/NDF:487144.5/22

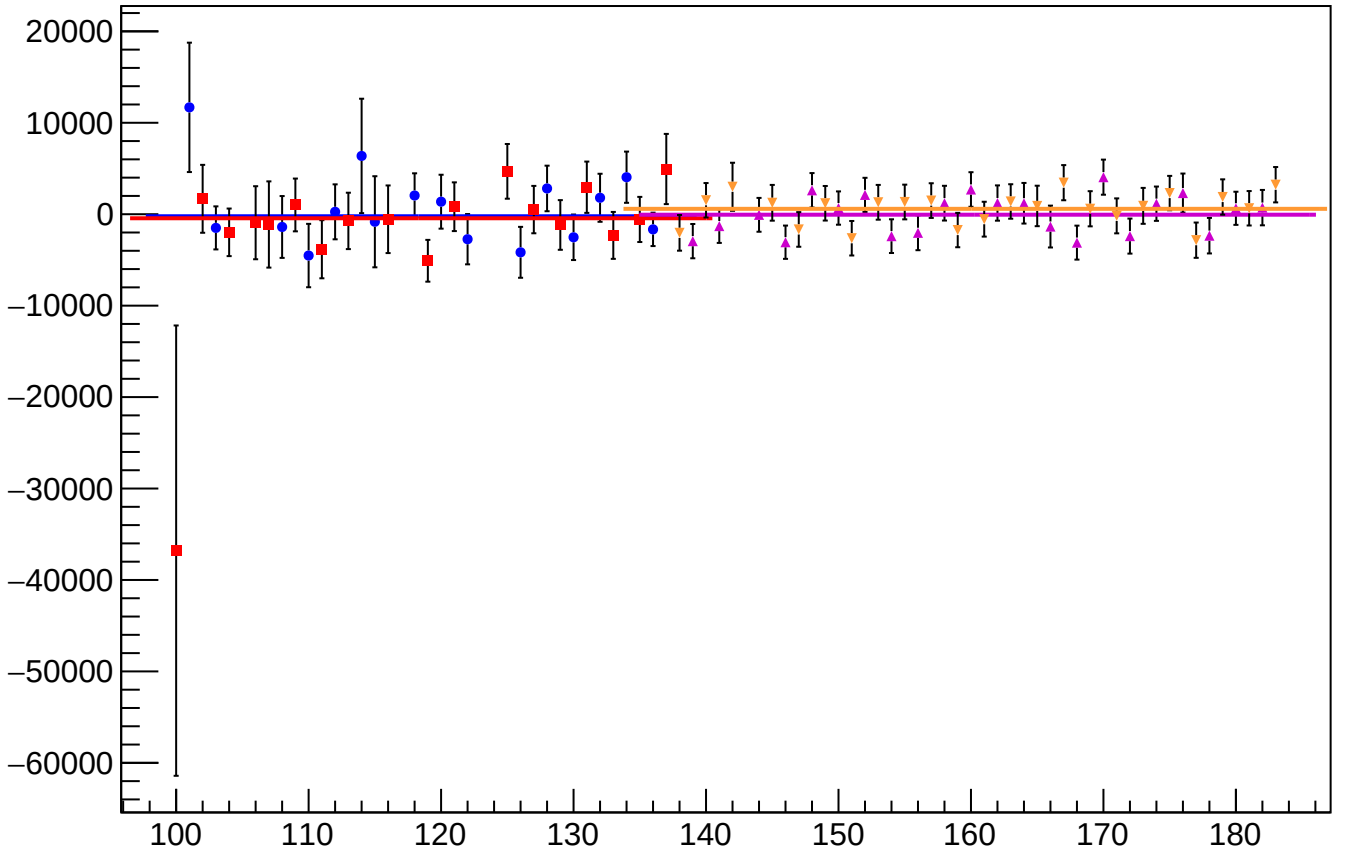
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 906.961+/-0.152 χ^2/NDF:441394.0/21

+ sign 967.734+/-0.140 χ^2/NDF: 3135908.3/38

All: 972.462+/-0.100 χ^2/NDF: 6391239.5/78

- sign 977.363+/-0.143 χ^2/NDF: 3253018.1/39



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 588.458+/-404.591 χ^2/NDF:18.8/22

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

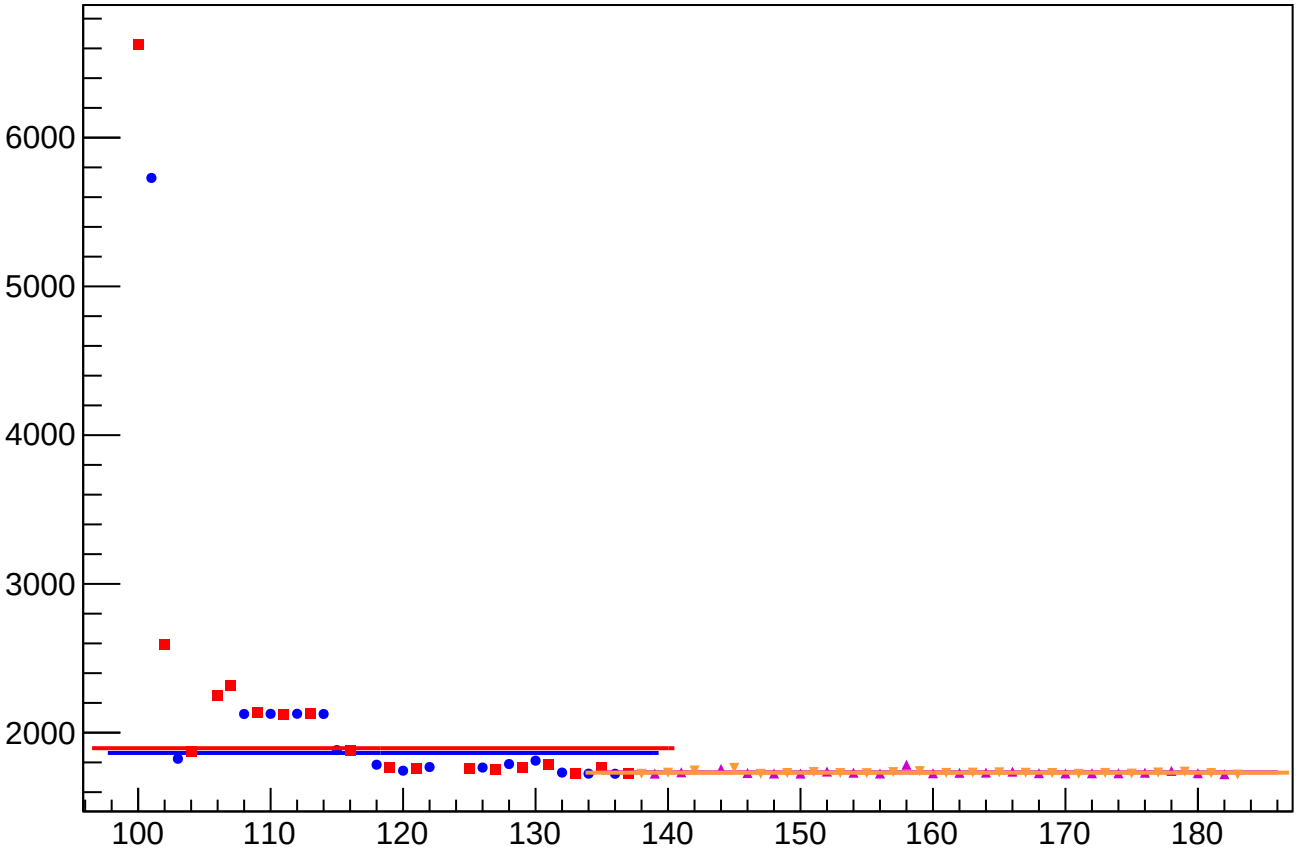
Left In: -53.674+/-408.011 χ^2/NDF:27.5/21

+ sign 389.004+/-351.419 χ^2/NDF: 35.6/38

All: 121.729+/-249.447 χ^2/NDF: 80.3/78

- sign -149.700+/-354.140 χ^2/NDF: 43.5/39

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.058+/-0.286 χ^2/NDF:931.3/22

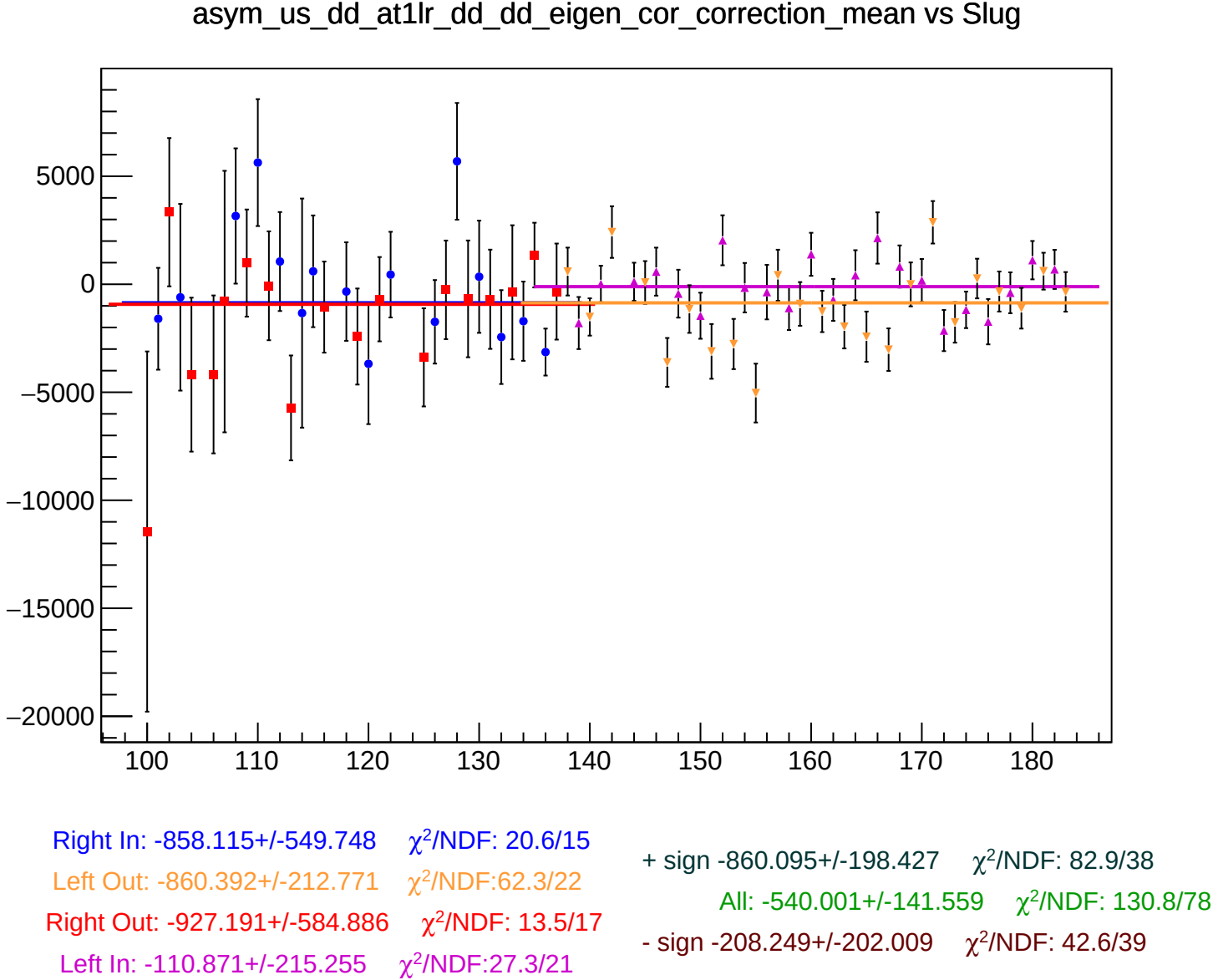
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.251+/-0.289 χ^2/NDF:2194.1/21

+ sign 1763.602+/-0.248 χ^2/NDF: 728289.3/38

All: 1768.396+/-0.176 χ^2/NDF: 1068398.7/78

- sign 1773.265+/-0.250 χ^2/NDF: 339359.1/39



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -860.392+/-212.771 χ^2/NDF:62.3/22

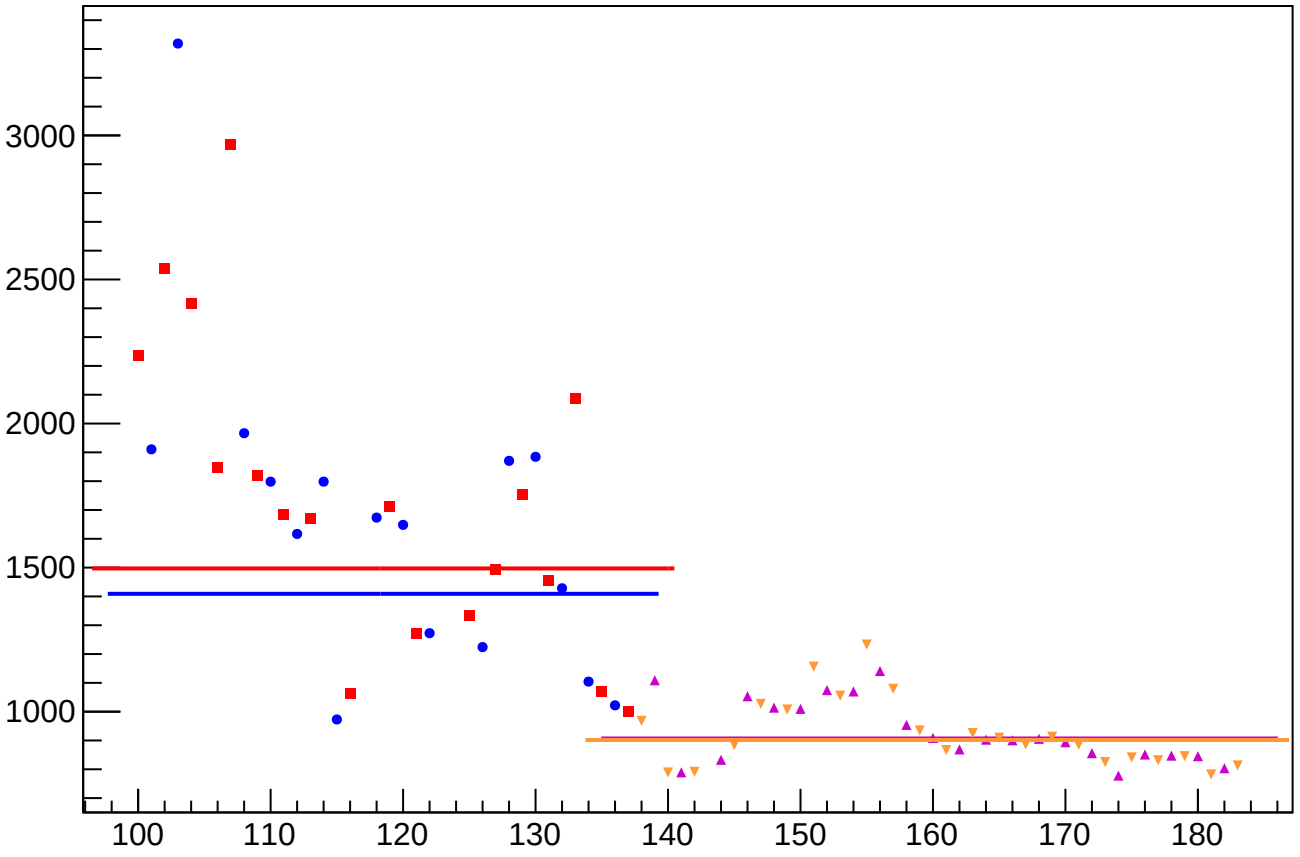
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -110.871+/-215.255 χ^2/NDF:27.3/21

+ sign -860.095+/-198.427 χ^2/NDF: 82.9/38

All: -540.001+/-141.559 χ^2/NDF: 130.8/78

- sign -208.249+/-202.009 χ^2/NDF: 42.6/39



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 901.632+/-0.150 χ^2/NDF:487144.5/22

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

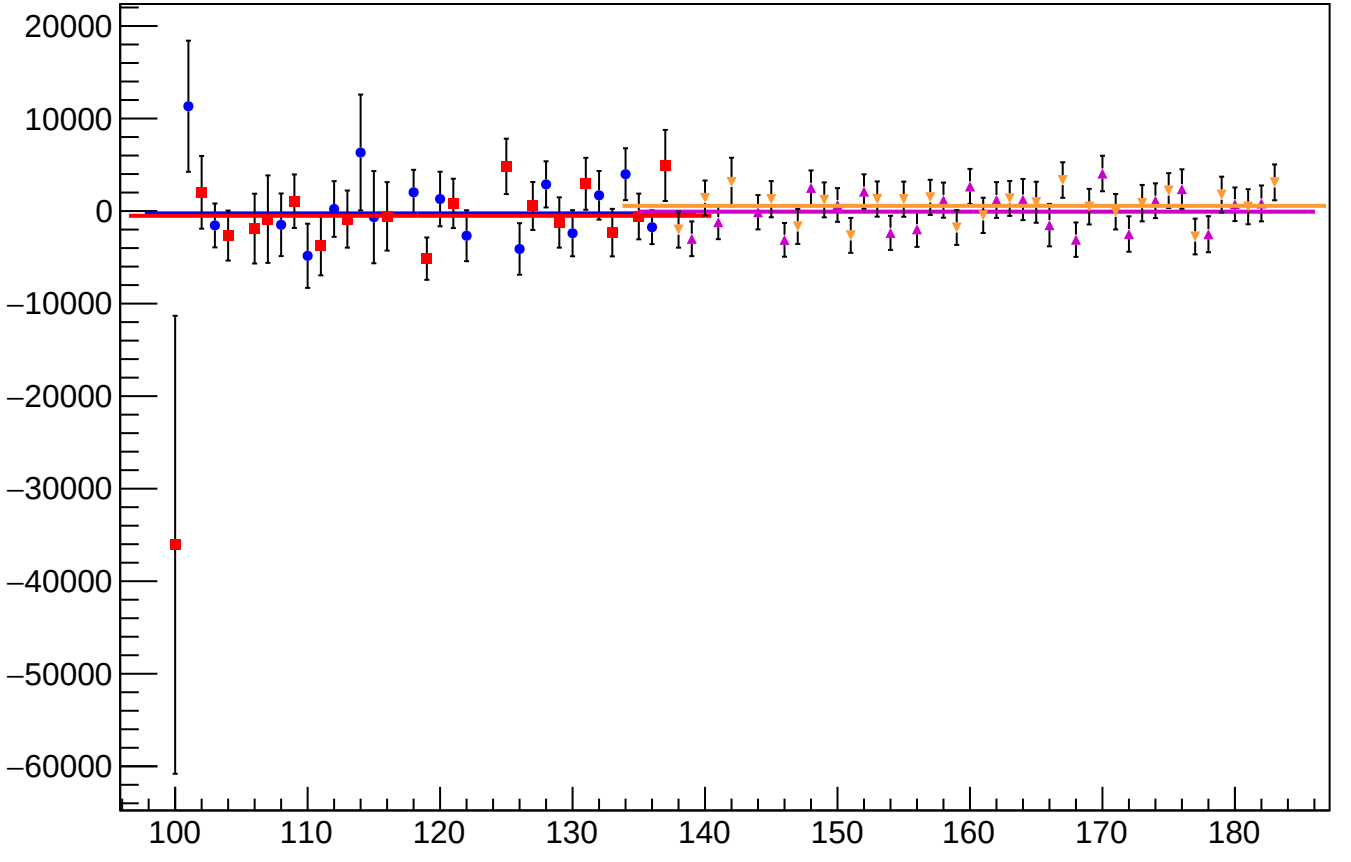
Left In: 906.961+/-0.152 χ^2/NDF:441394.0/21

\+ sign 967.734+/-0.140 χ^2/NDF: 3135908.3/38

All: 972.462+/-0.100 χ^2/NDF: 6391239.5/78

\- sign 977.363+/-0.143 χ^2/NDF: 3253018.1/39

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 563.813+/-404.960 χ^2/NDF:18.0/22

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

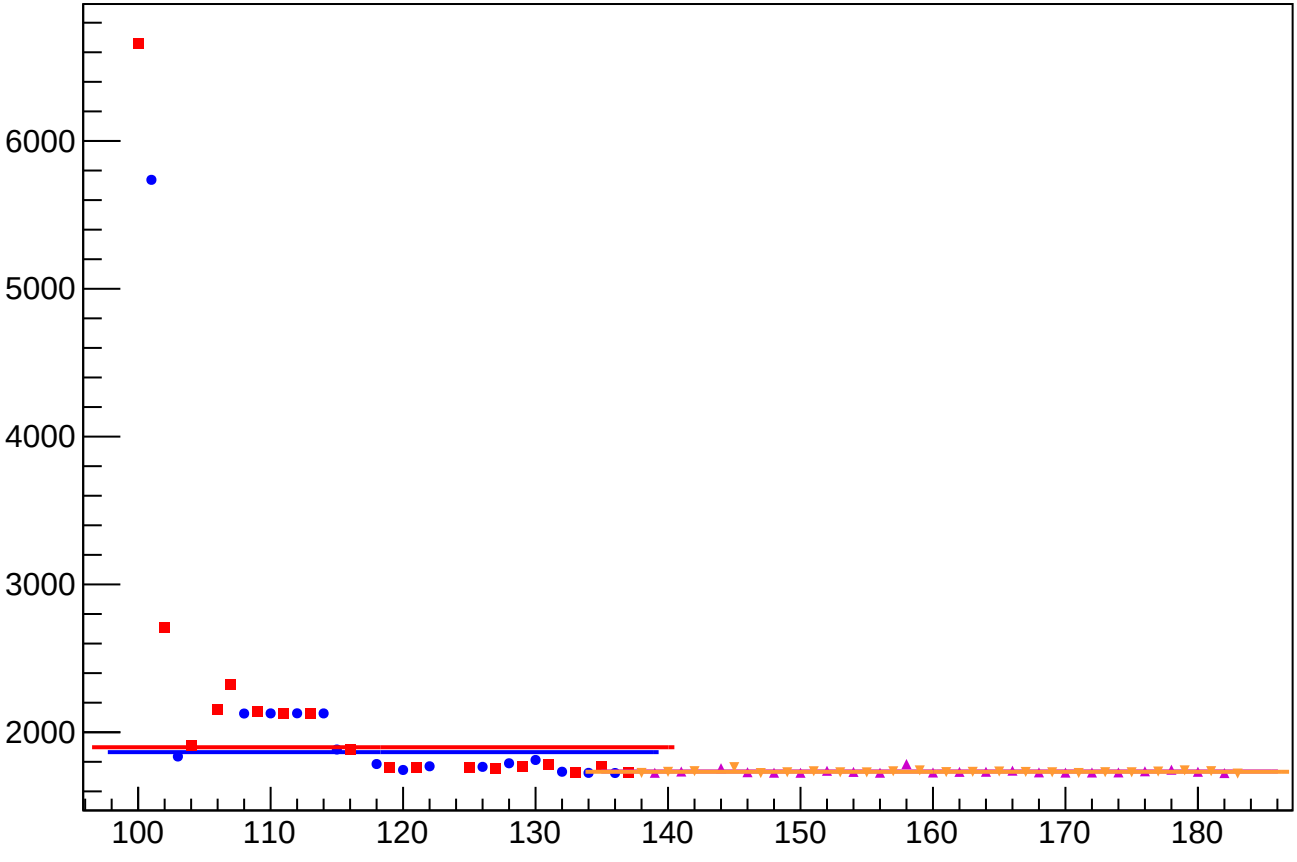
Left In: -66.297+/-408.380 χ^2/NDF:27.7/21

+ sign 363.543+/-351.761 χ^2/NDF: 34.7/38

All: 96.305+/-249.754 χ^2/NDF: 80.3/78

- sign -175.366+/-354.668 χ^2/NDF: 44.4/39

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.612+/-0.286 χ^2/NDF:868.3/22

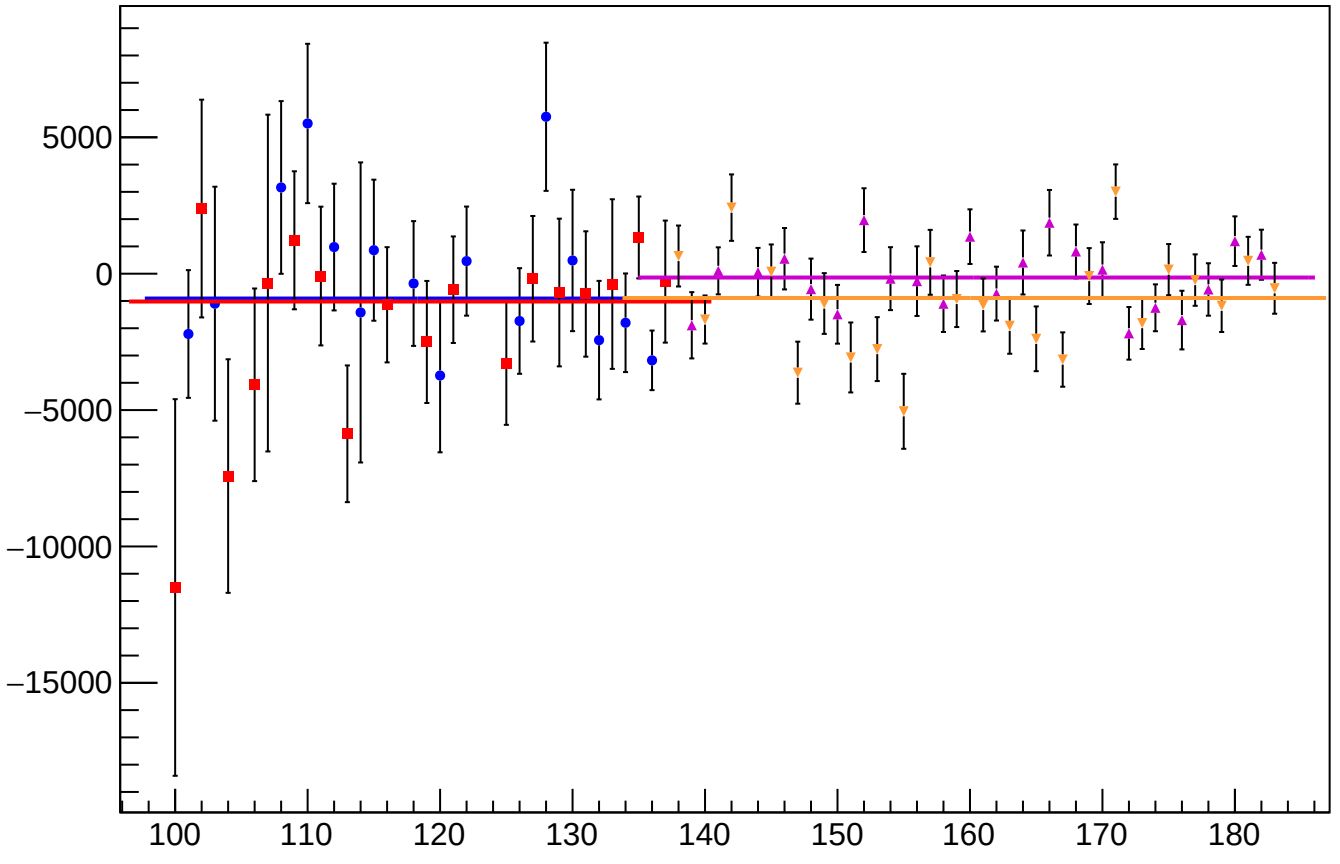
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.815+/-0.289 χ^2/NDF:2171.3/21

+ sign 1765.218+/-0.249 χ^2/NDF: 728677.9/38

All: 1770.102+/-0.177 χ^2/NDF: 1079797.2/78

- sign 1775.066+/-0.251 χ^2/NDF: 350341.9/39



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -891.222+/-215.947 χ^2/NDF:61.6/22

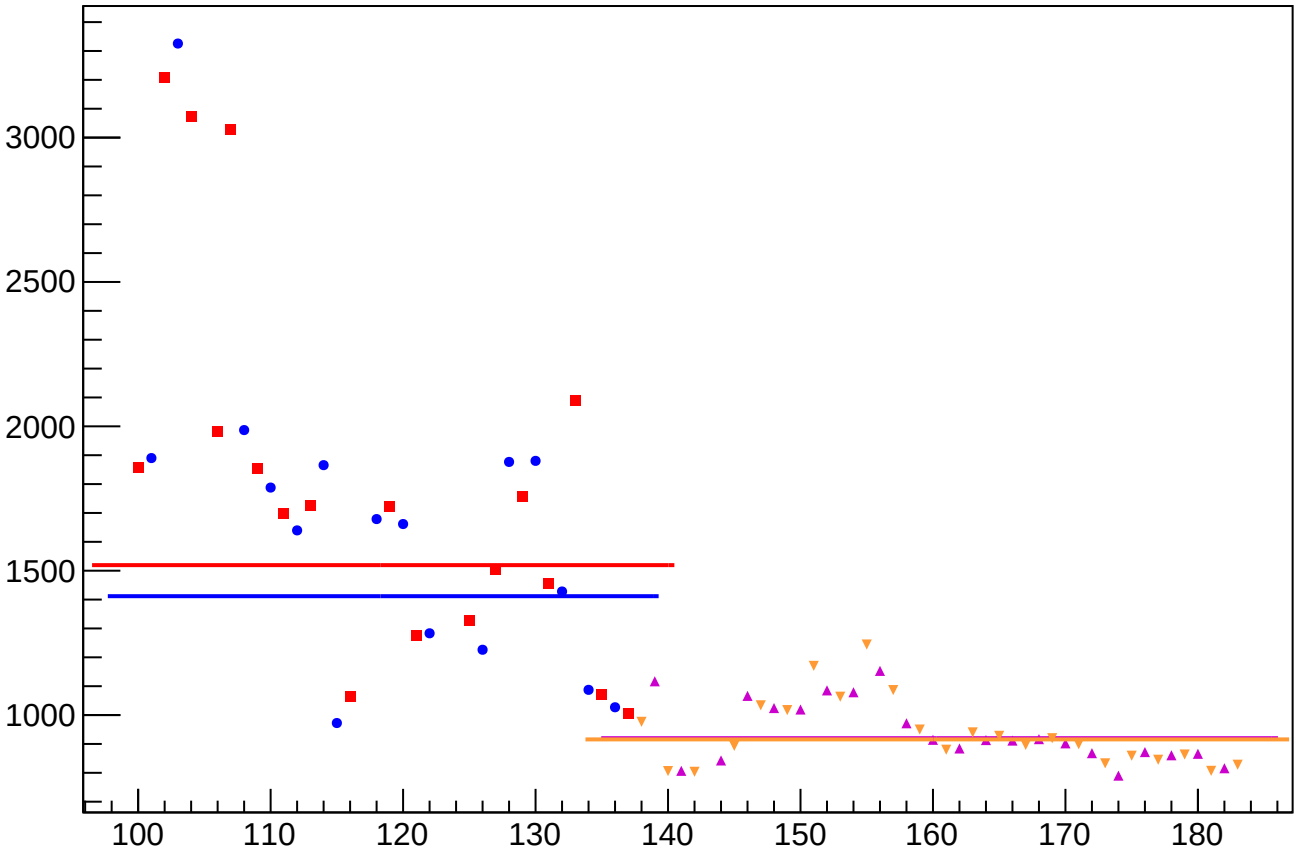
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -140.721+/-218.238 χ^2/NDF:26.5/21

+ sign -893.850+/-201.049 χ^2/NDF: 82.6/38

All: -575.863+/-143.454 χ^2/NDF: 131.0/78

- sign -246.059+/-204.751 χ^2/NDF: 43.4/39



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 915.723+/-0.153 χ^2/NDF:454863.1/22

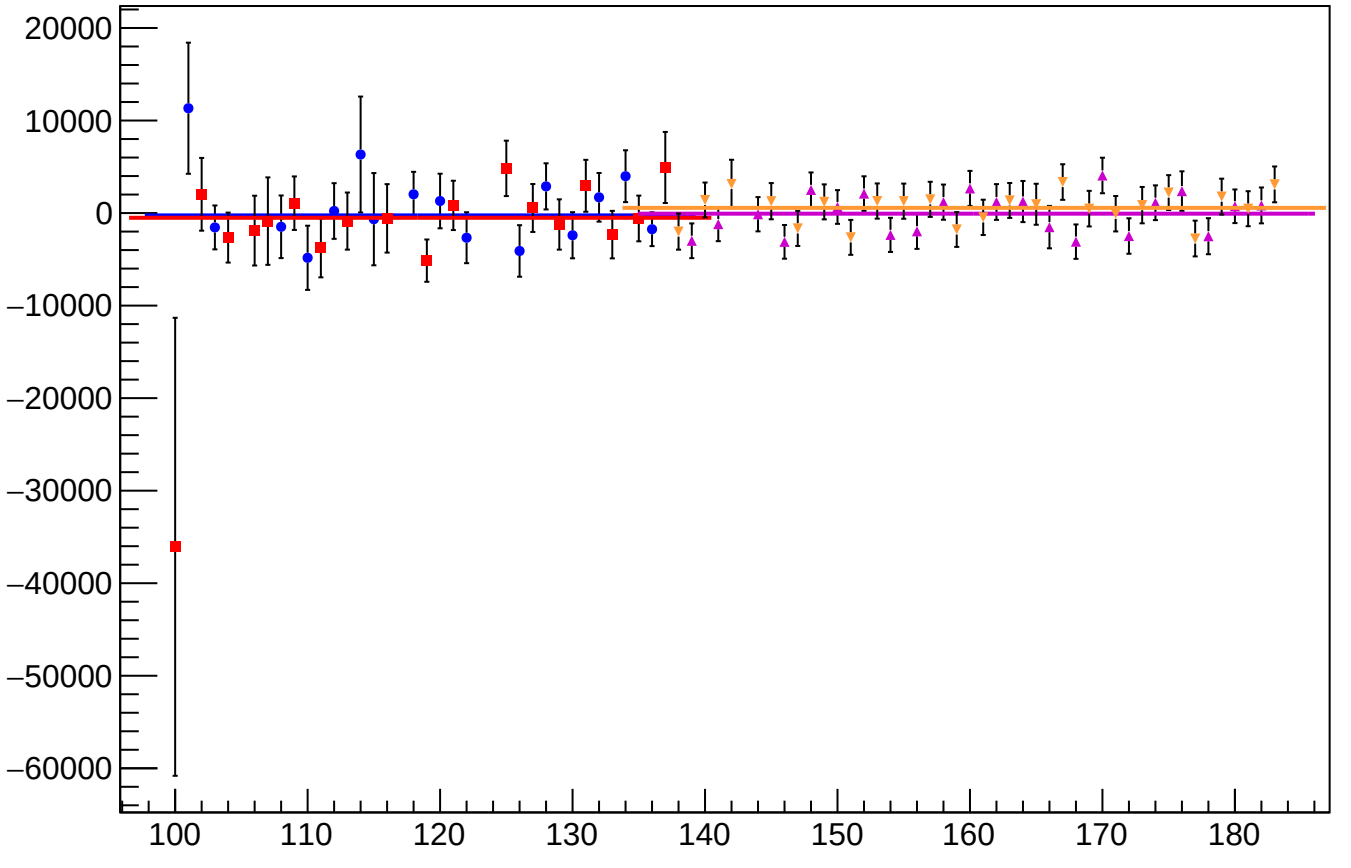
Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 920.036+/-0.154 χ^2/NDF:419443.2/21

\+ sign 981.802+/-0.142 χ^2/NDF: 3038340.4/38

All: 986.719+/-0.101 χ^2/NDF: 6626737.1/78

\- sign 991.818+/-0.145 χ^2/NDF: 3585960.0/39



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 563.813+/-404.960 χ^2/NDF:18.0/22

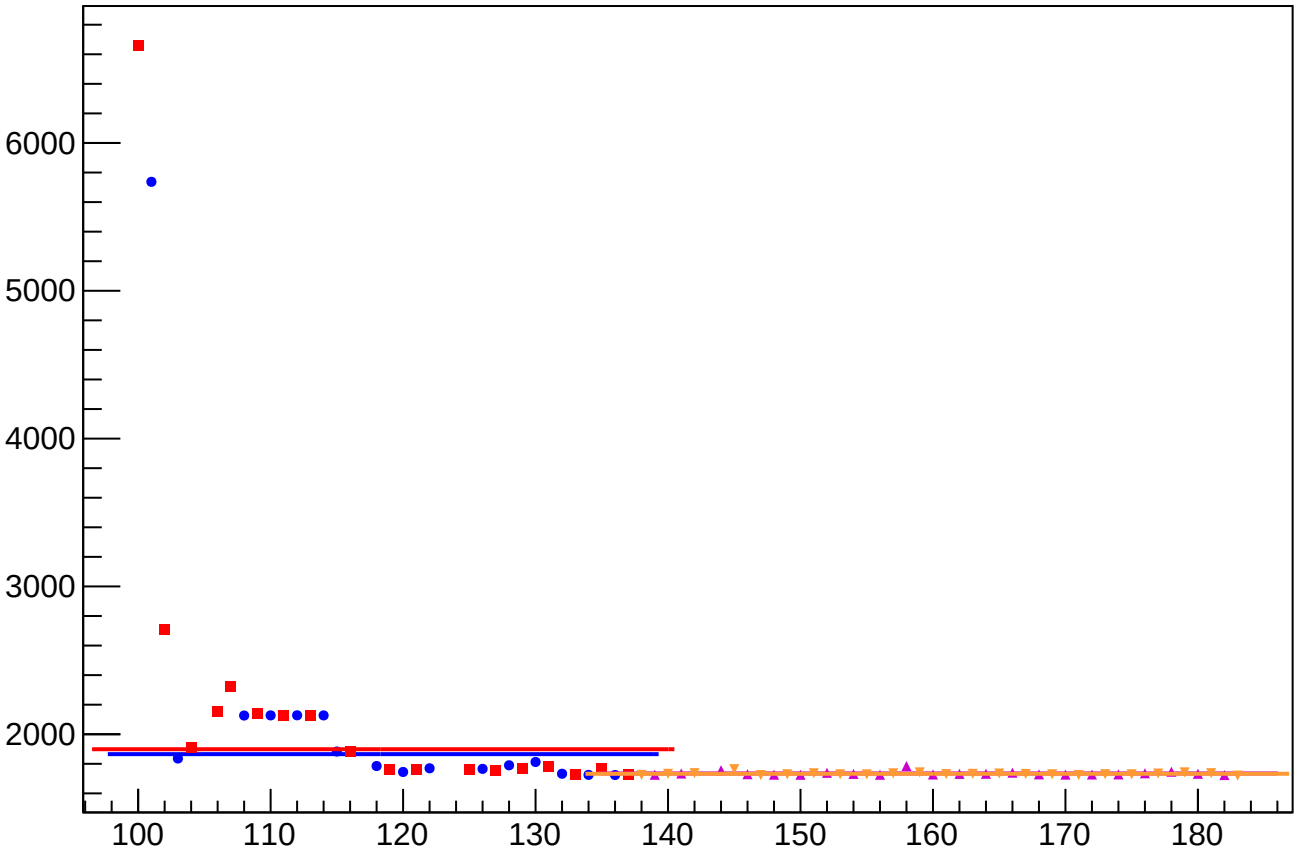
Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: -66.298+/-408.380 χ^2/NDF:27.7/21

+ sign 363.543+/-351.761 χ^2/NDF: 34.7/38

All: 96.305+/-249.754 χ^2/NDF: 80.3/78

- sign -175.366+/-354.668 χ^2/NDF: 44.4/39



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.612+/-0.286 χ^2/NDF:868.3/22

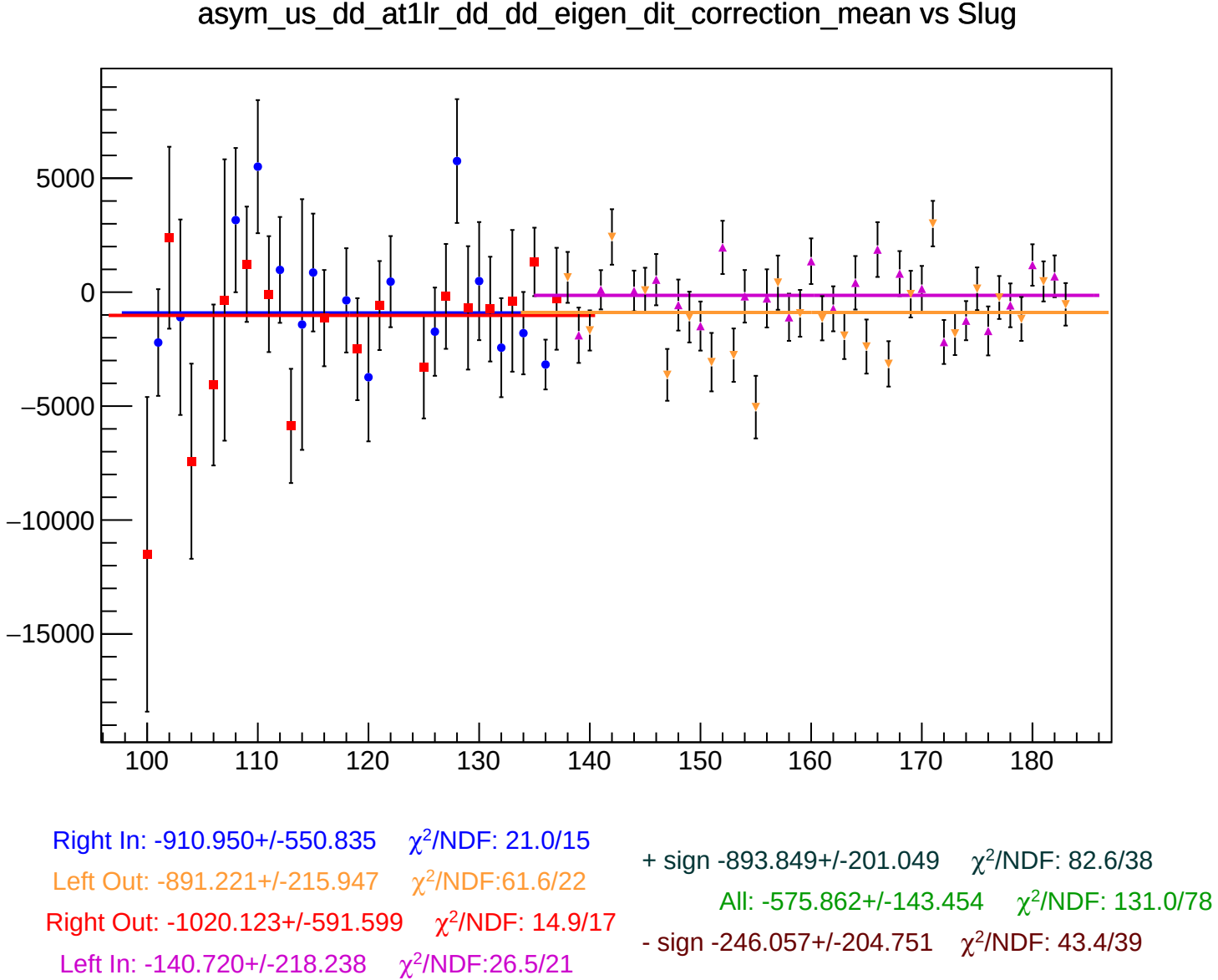
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

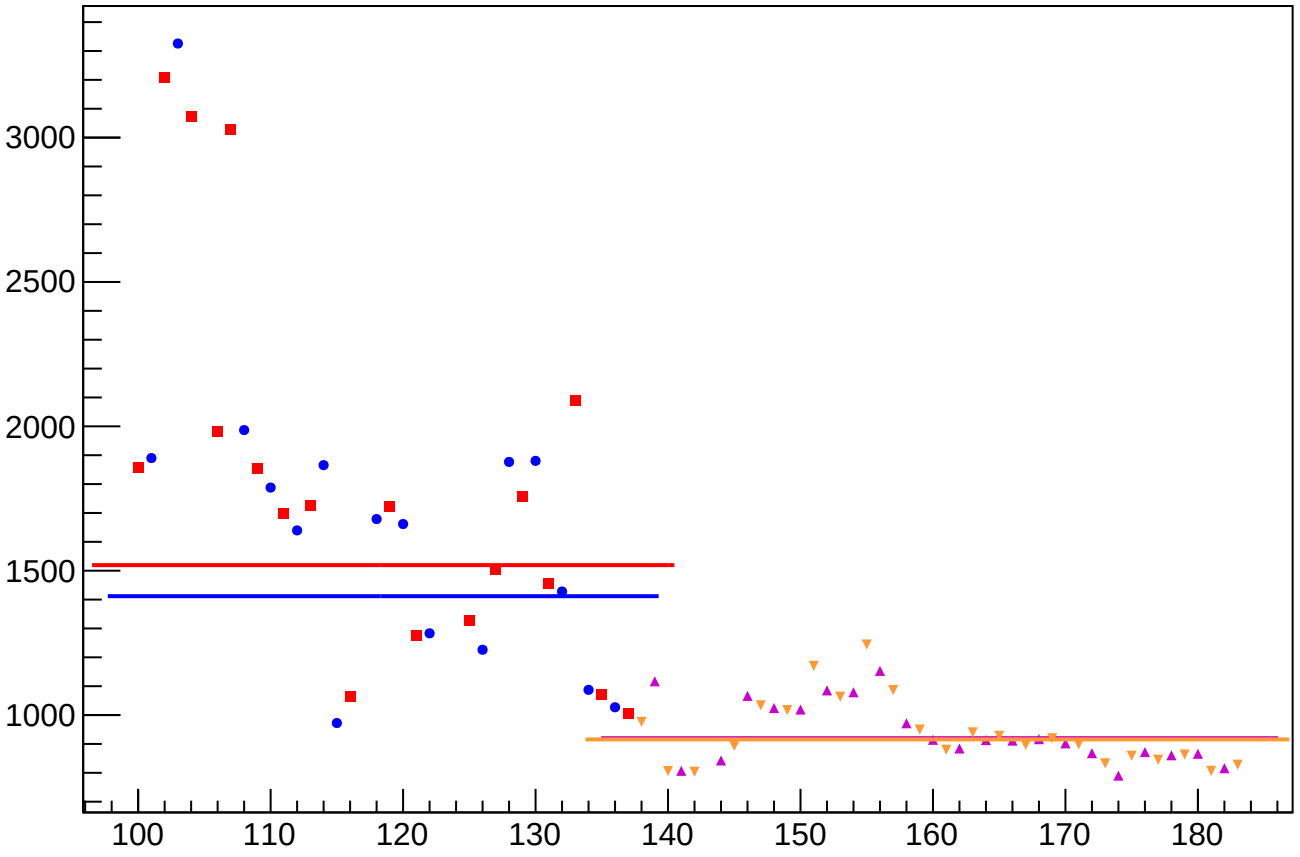
Left In: 1734.815+/-0.289 χ^2/NDF:2171.3/21

+ sign 1765.218+/-0.249 χ^2/NDF: 728677.9/38

All: 1770.102+/-0.177 χ^2/NDF: 1079796.9/78

- sign 1775.066+/-0.251 χ^2/NDF: 350341.6/39


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -891.221+/-215.947 χ²/NDF:61.6/22
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: -140.720+/-218.238 χ²/NDF:26.5/21
+ sign -893.849+/-201.049 χ²/NDF: 82.6/38
All: -575.862+/-143.454 χ²/NDF: 131.0/78
- sign -246.057+/-204.751 χ²/NDF: 43.4/39



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 915.723+/-0.153 χ^2/NDF:454871.4/22

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

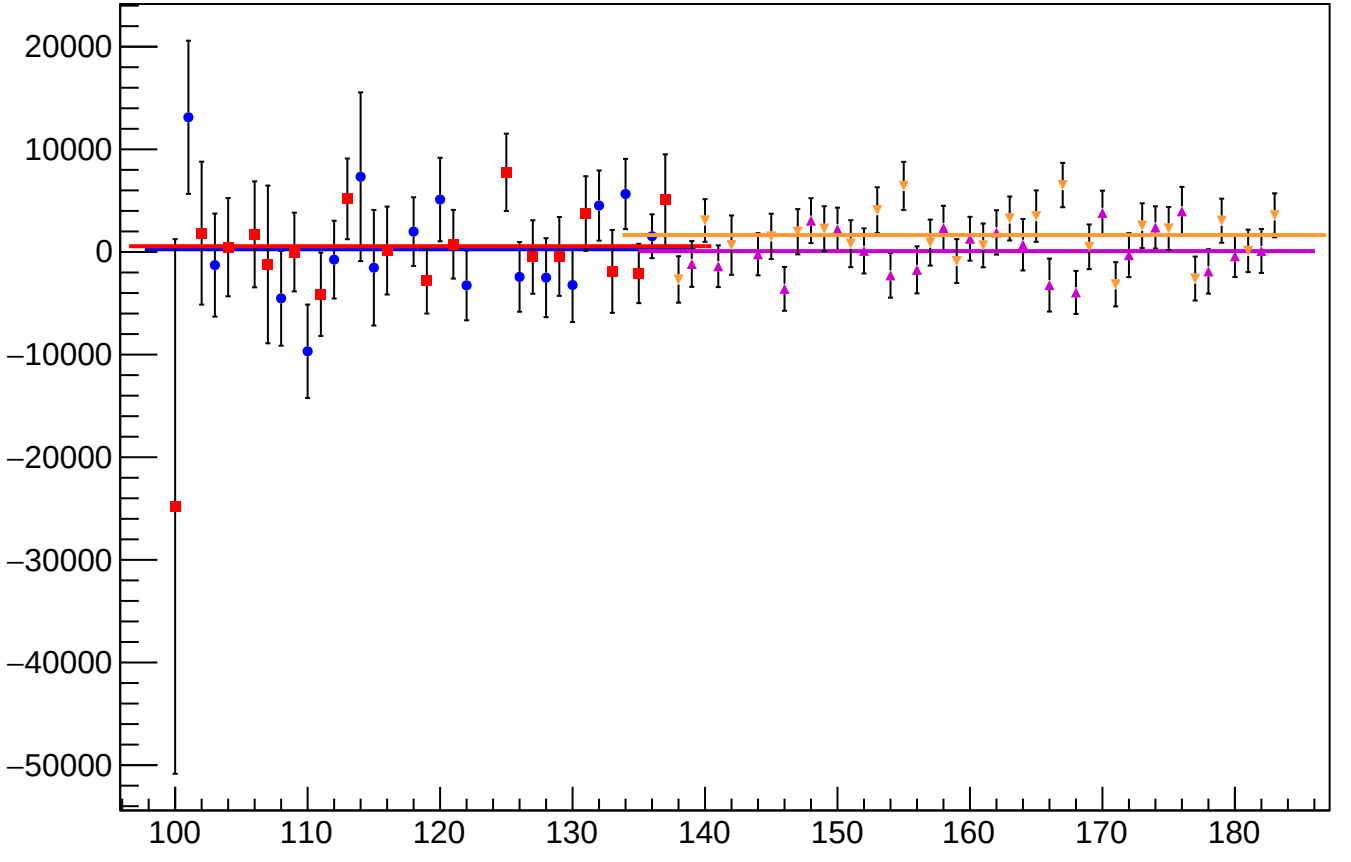
Left In: 920.036+/-0.154 χ^2/NDF:419453.6/21

+ sign 981.802+/-0.142 χ^2/NDF: 3038338.0/38

All: 986.718+/-0.101 χ^2/NDF: 6626741.3/78

- sign 991.818+/-0.145 χ^2/NDF: 3585966.7/39

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1646.810+/-460.363 χ^2/NDF:29.0/22

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

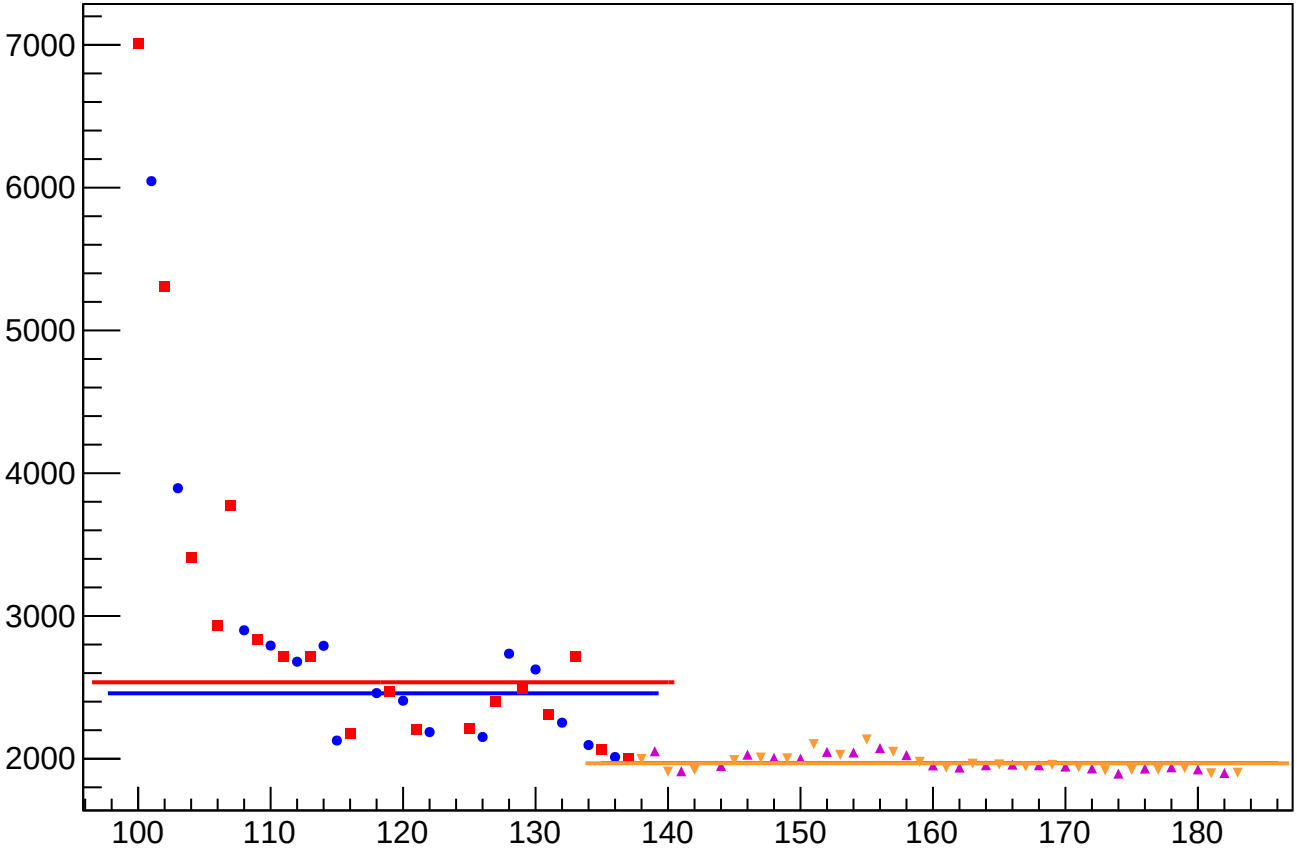
Left In: 83.048+/-464.019 χ^2/NDF:23.8/21

+ sign 1380.282+/-413.611 χ^2/NDF: 49.7/38

All: 783.092+/-294.013 χ^2/NDF: 89.7/78

- sign 173.109+/-418.017 χ^2/NDF: 35.7/39

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1968.508+/-0.326 χ^2/NDF:33469.6/22

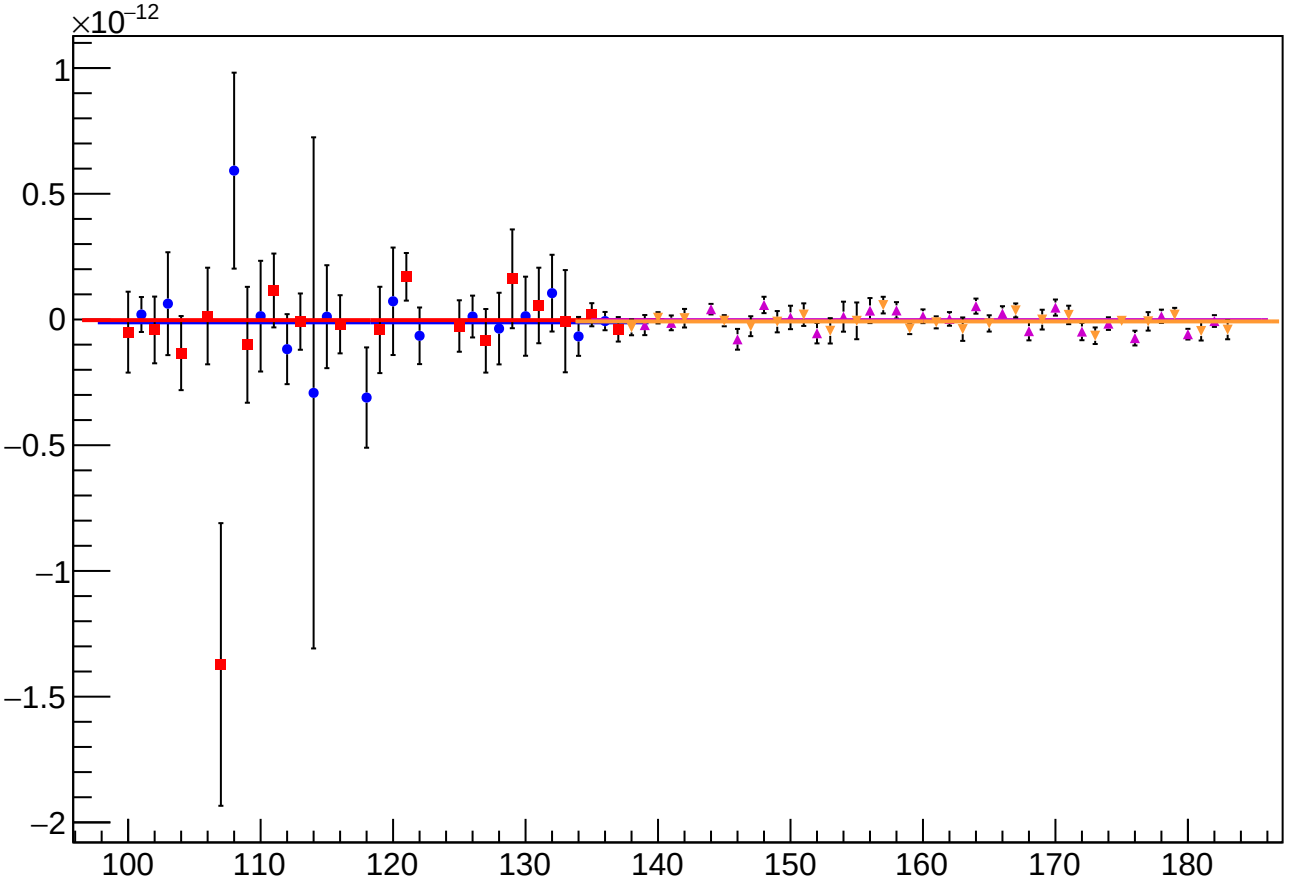
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1970.320+/-0.328 χ^2/NDF:25630.1/21

+ sign 2062.945+/-0.292 χ^2/NDF: 1302882.9/38

All: 2069.838+/-0.208 χ^2/NDF: 2562675.2/78

- sign 2076.880+/-0.296 χ^2/NDF: 1258669.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/22

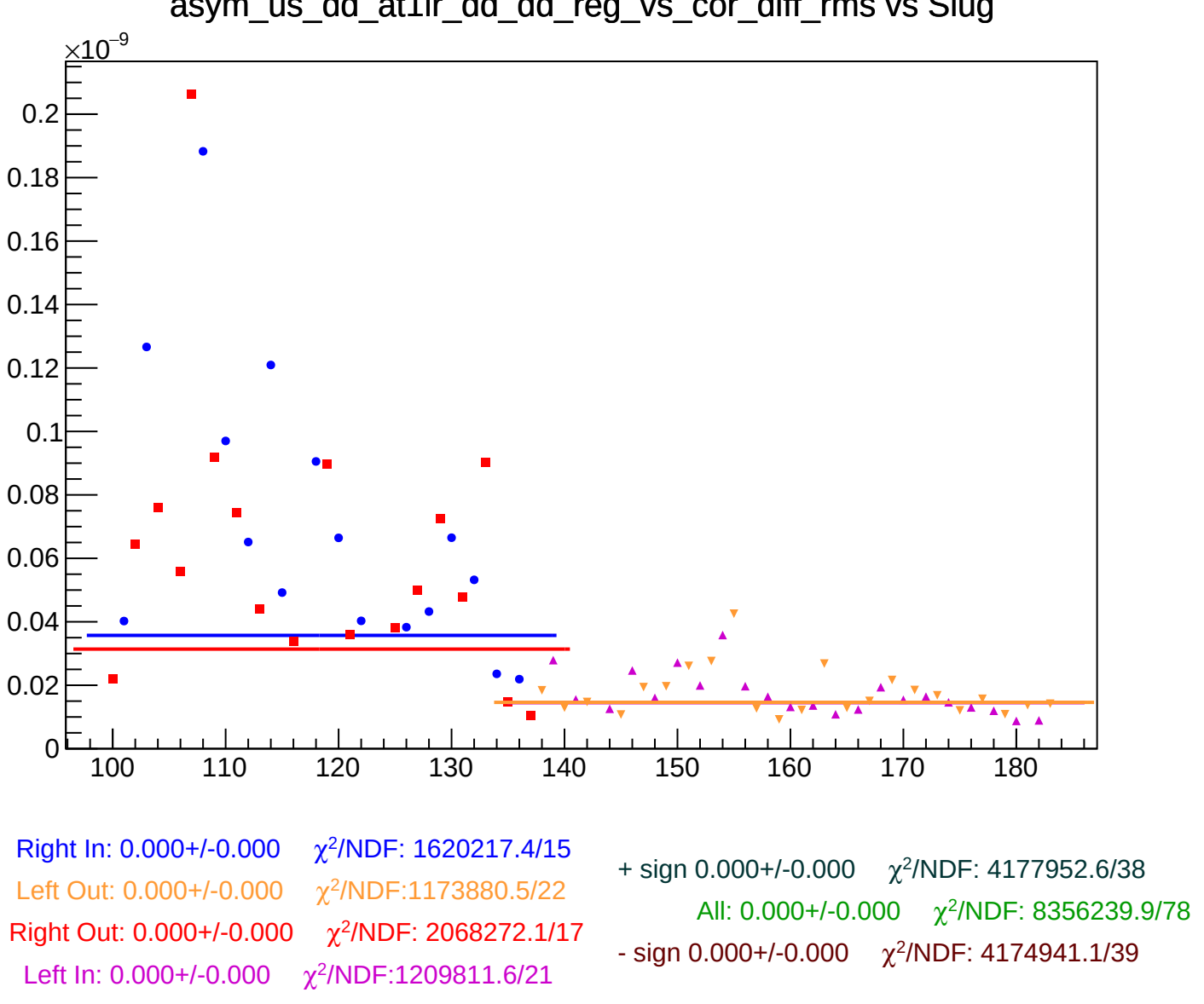
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

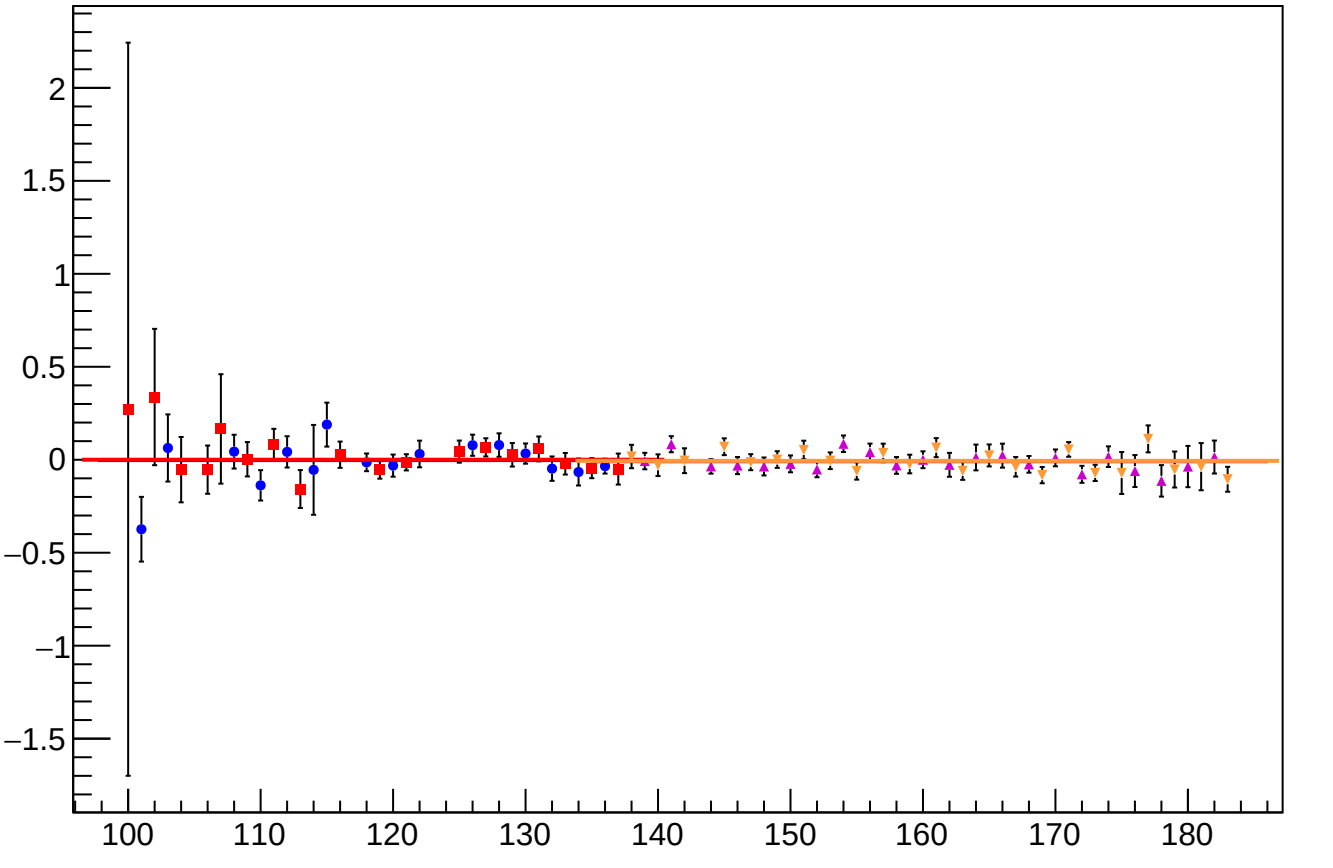
Left In: -0.000+/-0.000 χ^2/NDF:38.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 24.3/38

All: -0.000+/-0.000 χ^2/NDF: 76.8/78

- sign -0.000+/-0.000 χ^2/NDF: 52.2/39


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1173880.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:1209811.6/21
+ sign 0.000+/-0.000 χ²/NDF: 4177952.6/38
All: 0.000+/-0.000 χ²/NDF: 8356239.9/78
- sign 0.000+/-0.000 χ²/NDF: 4174941.1/39



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.006+/-0.011 χ^2/NDF:23.7/22

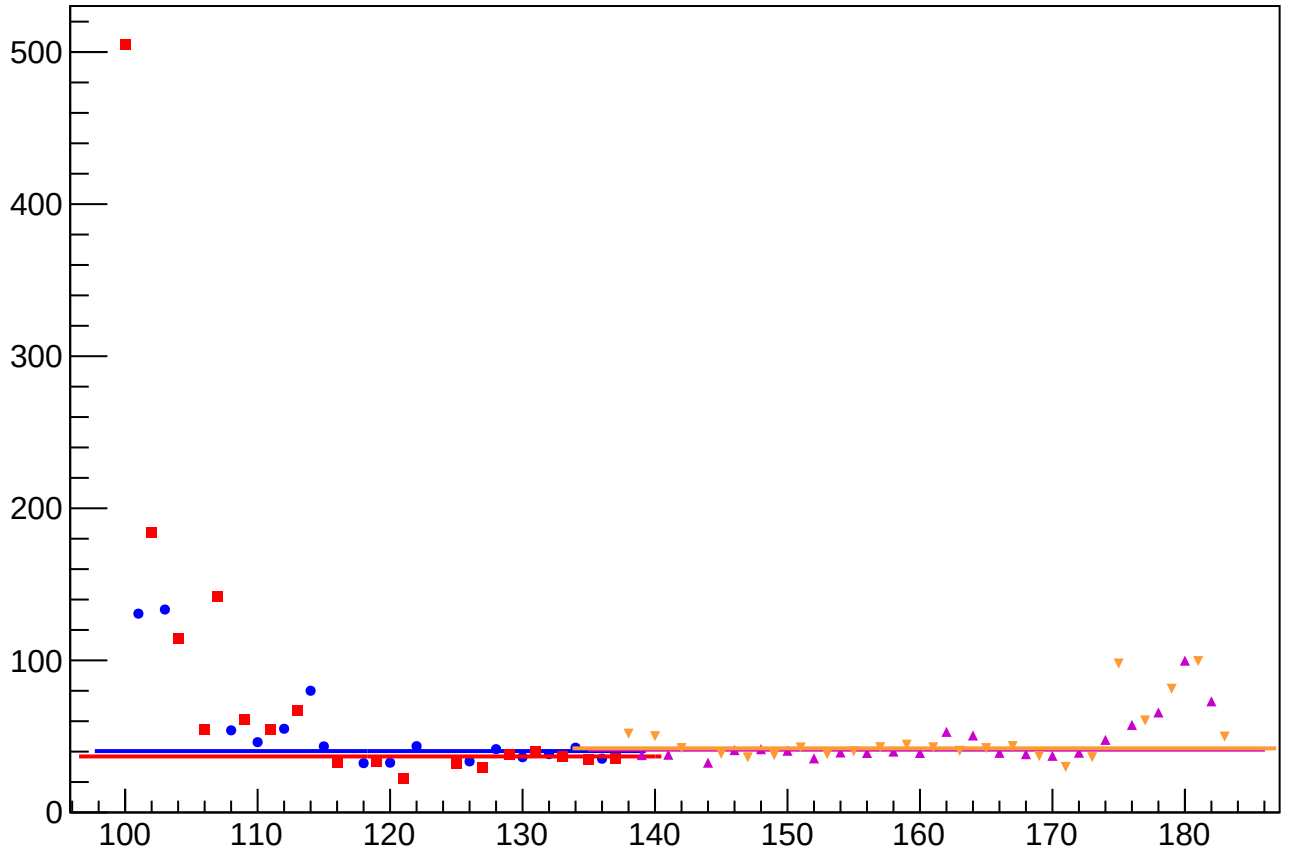
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.9/21

+ sign -0.005+/-0.009 χ^2/NDF: 40.8/38

All: -0.005+/-0.006 χ^2/NDF: 69.9/78

- sign -0.006+/-0.009 χ^2/NDF: 29.0/39



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 42.161+/-0.008 χ^2/NDF:1816813.9/22

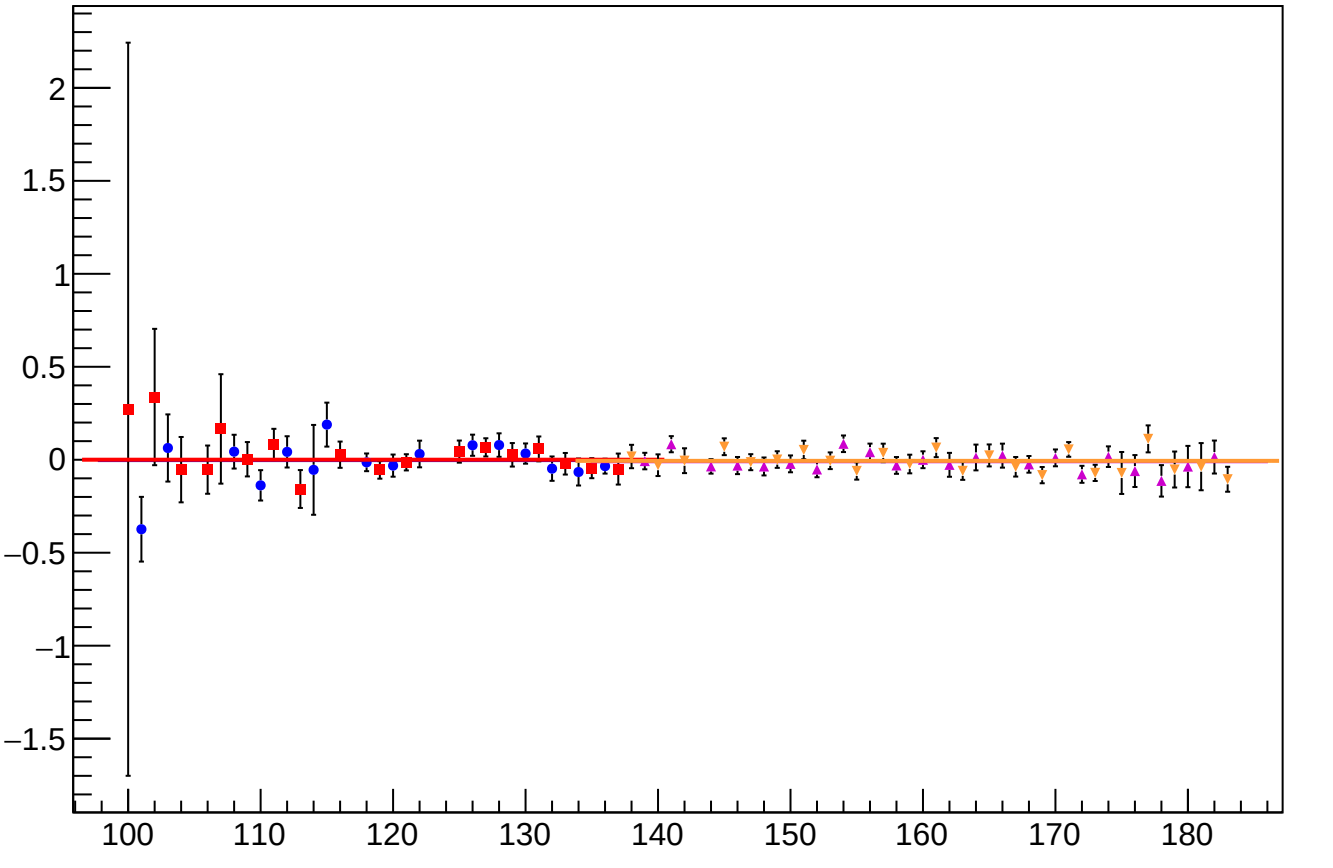
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 41.290+/-0.008 χ^2/NDF:1385144.4/21

+ sign 41.631+/-0.007 χ^2/NDF: 3242813.7/38

All: 40.783+/-0.005 χ^2/NDF: 6599110.6/78

- sign 39.969+/-0.006 χ^2/NDF: 3323372.2/39



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.006+/-0.011 χ^2/NDF:23.7/22

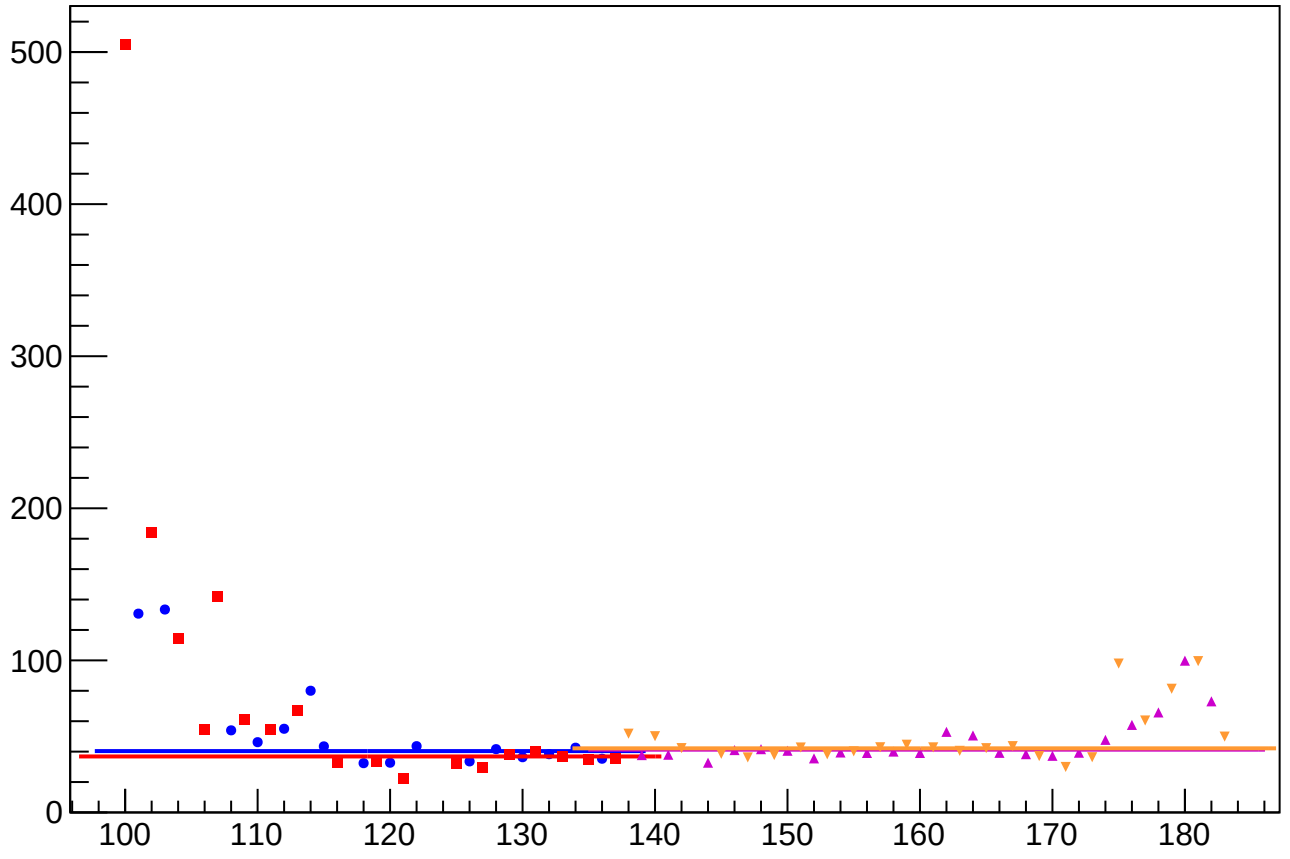
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.9/21

+ sign -0.005+/-0.009 χ^2/NDF: 40.8/38

All: -0.005+/-0.006 χ^2/NDF: 69.9/78

- sign -0.006+/-0.009 χ^2/NDF: 29.0/39



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 42.161+/-0.008 χ^2/NDF:1816813.9/22

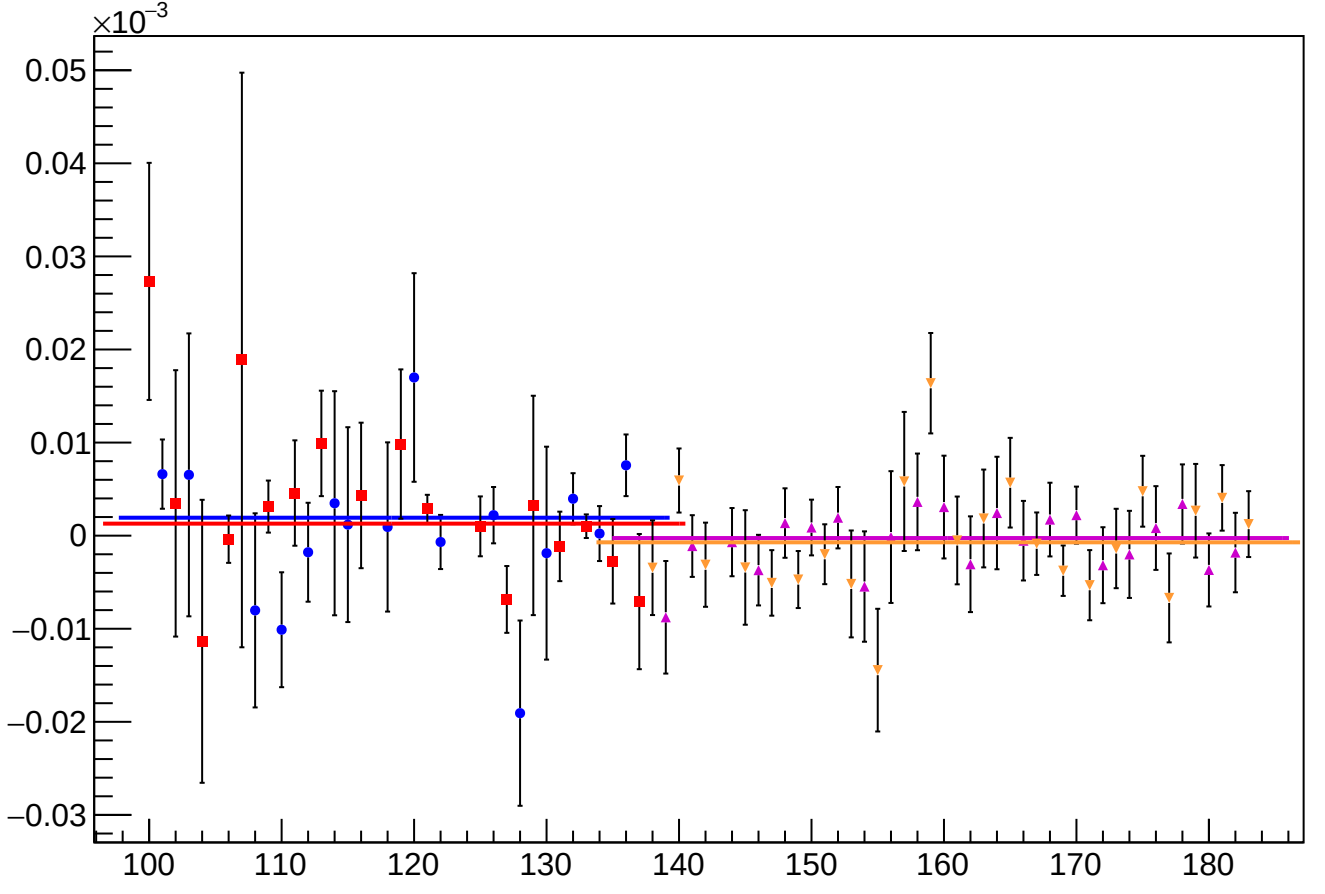
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 41.290+/-0.008 χ^2/NDF:1385144.4/21

+ sign 41.631+/-0.007 χ^2/NDF: 3242813.7/38

All: 40.783+/-0.005 χ^2/NDF: 6599110.6/78

- sign 39.969+/-0.006 χ^2/NDF: 3323372.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.7/22

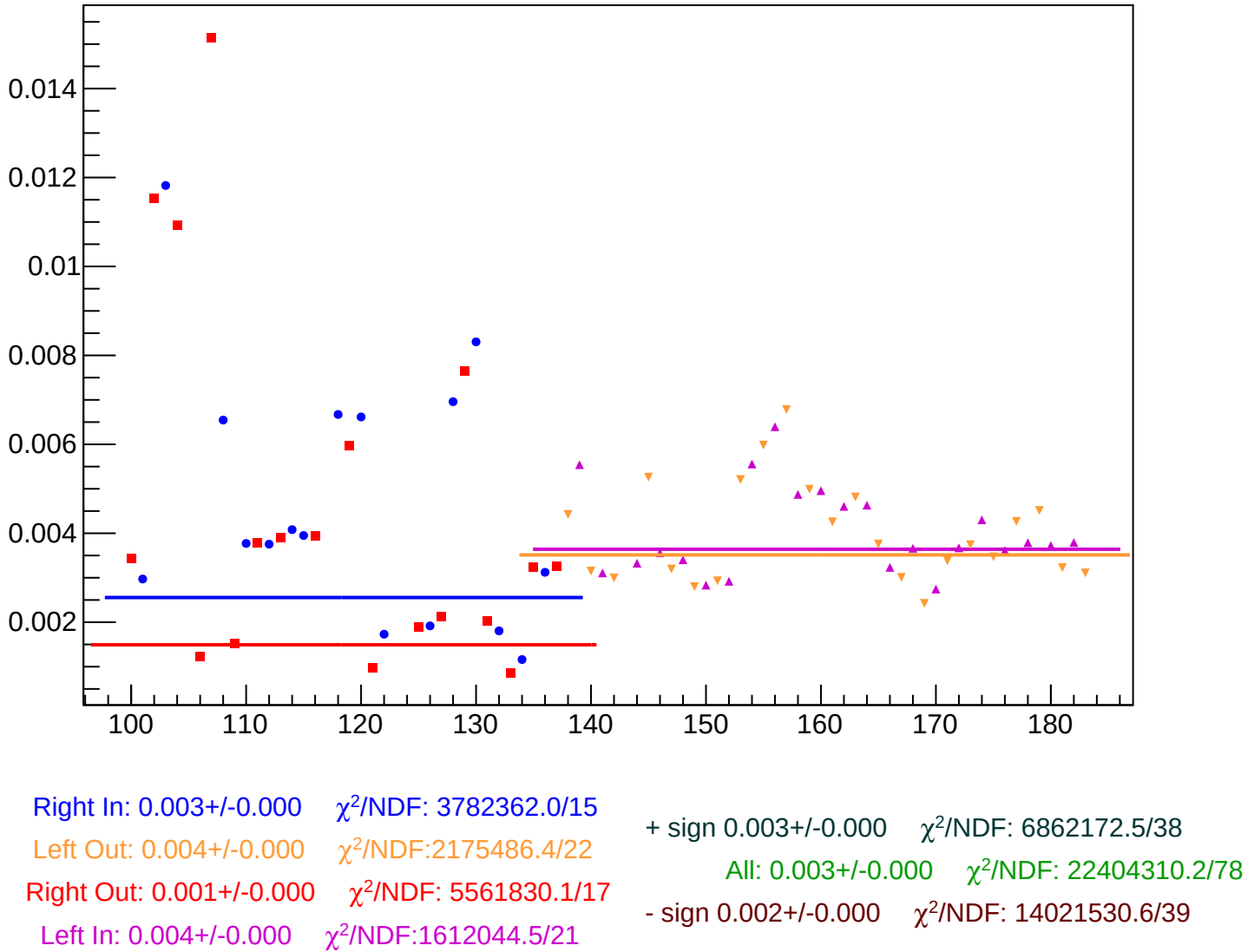
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

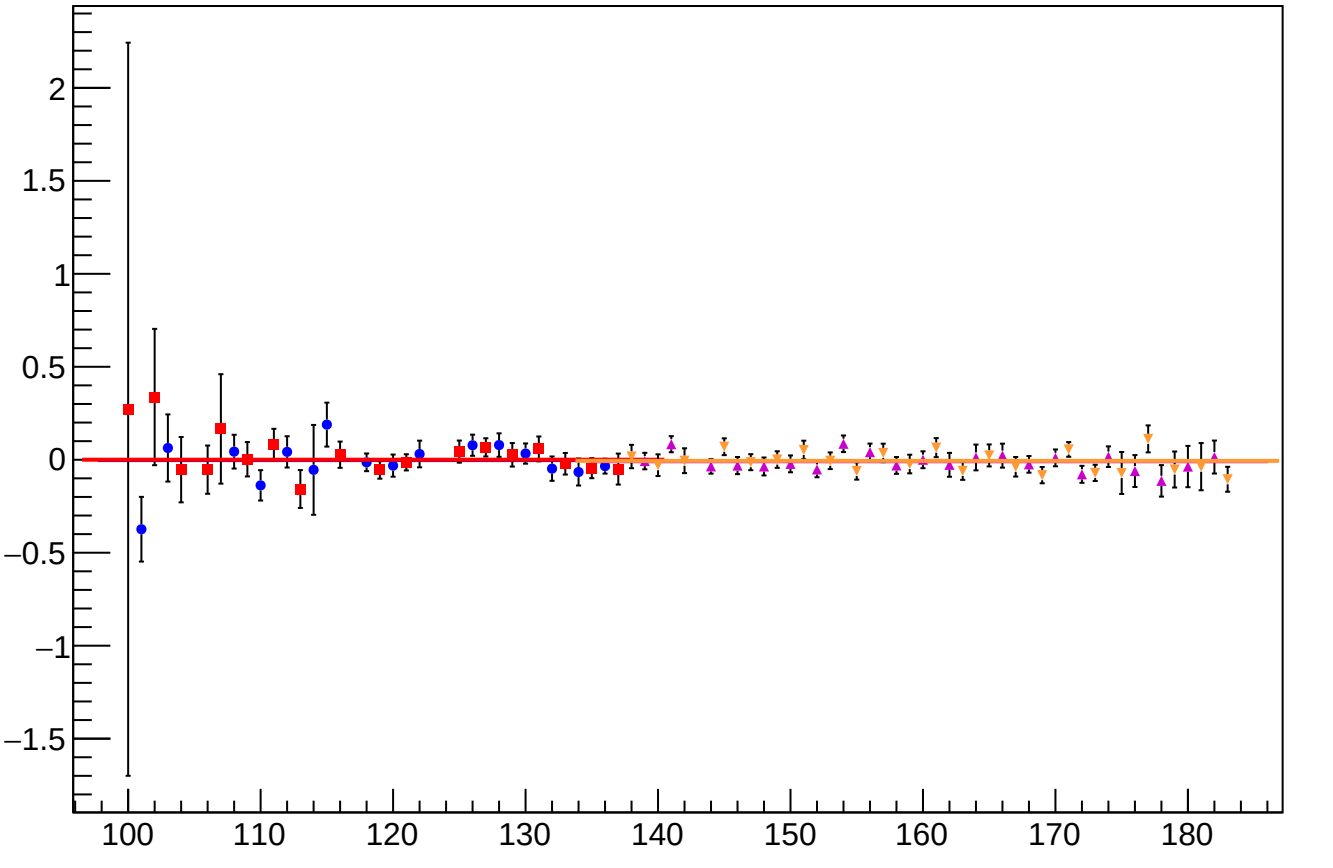
Left In: -0.000+/-0.000 χ^2/NDF:9.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/38

All: 0.000+/-0.000 χ^2/NDF: 86.0/78

- sign 0.000+/-0.000 χ^2/NDF: 29.8/39


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:2175486.4/22
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1612044.5/21
+ sign 0.003+/-0.000 χ²/NDF: 6862172.5/38
All: 0.003+/-0.000 χ²/NDF: 22404310.2/78
- sign 0.002+/-0.000 χ²/NDF: 14021530.6/39



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.006+/-0.011 χ^2/NDF:23.7/22

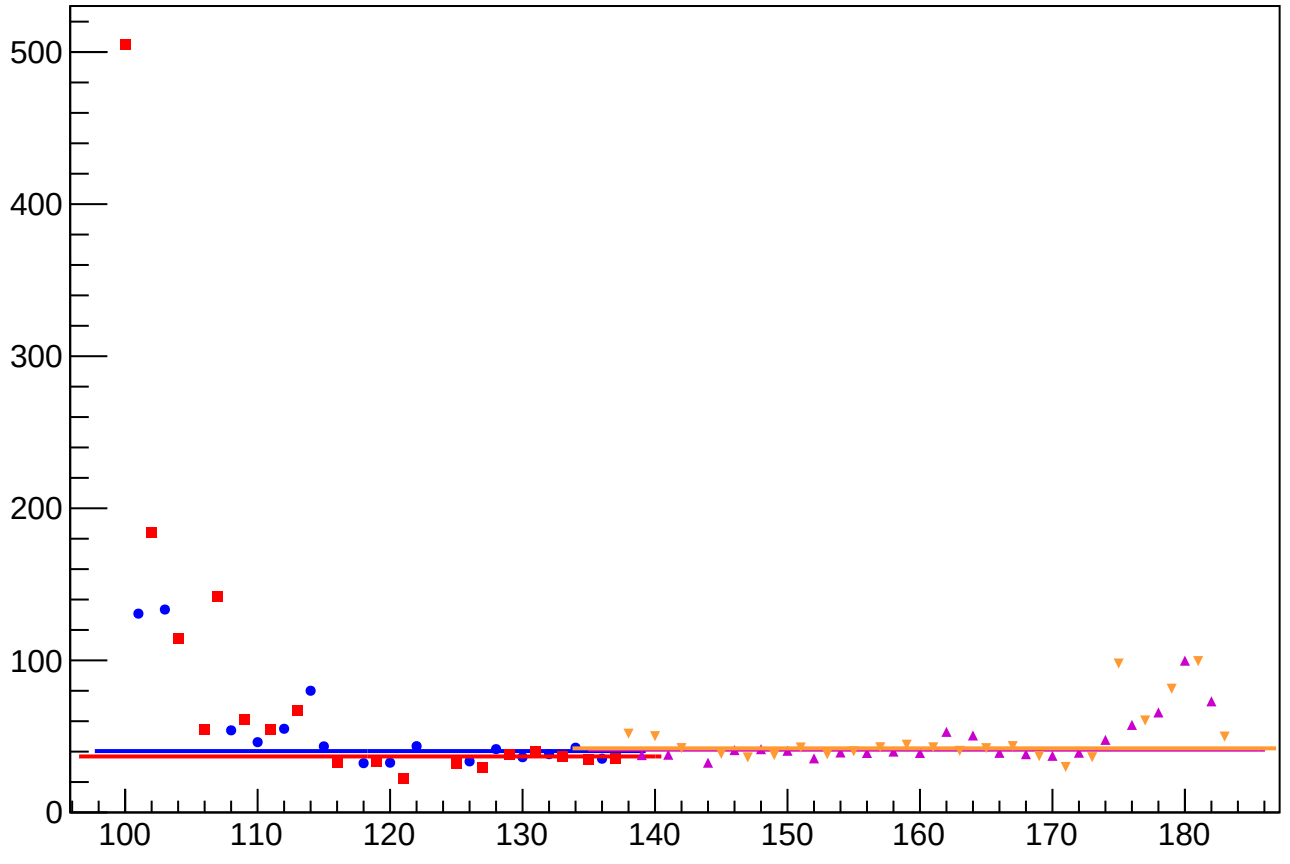
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.9/21

+ sign -0.005+/-0.009 χ^2/NDF: 40.9/38

All: -0.005+/-0.006 χ^2/NDF: 69.9/78

- sign -0.006+/-0.009 χ^2/NDF: 29.0/39



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 42.161+/-0.008 χ^2/NDF:1816823.4/22

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

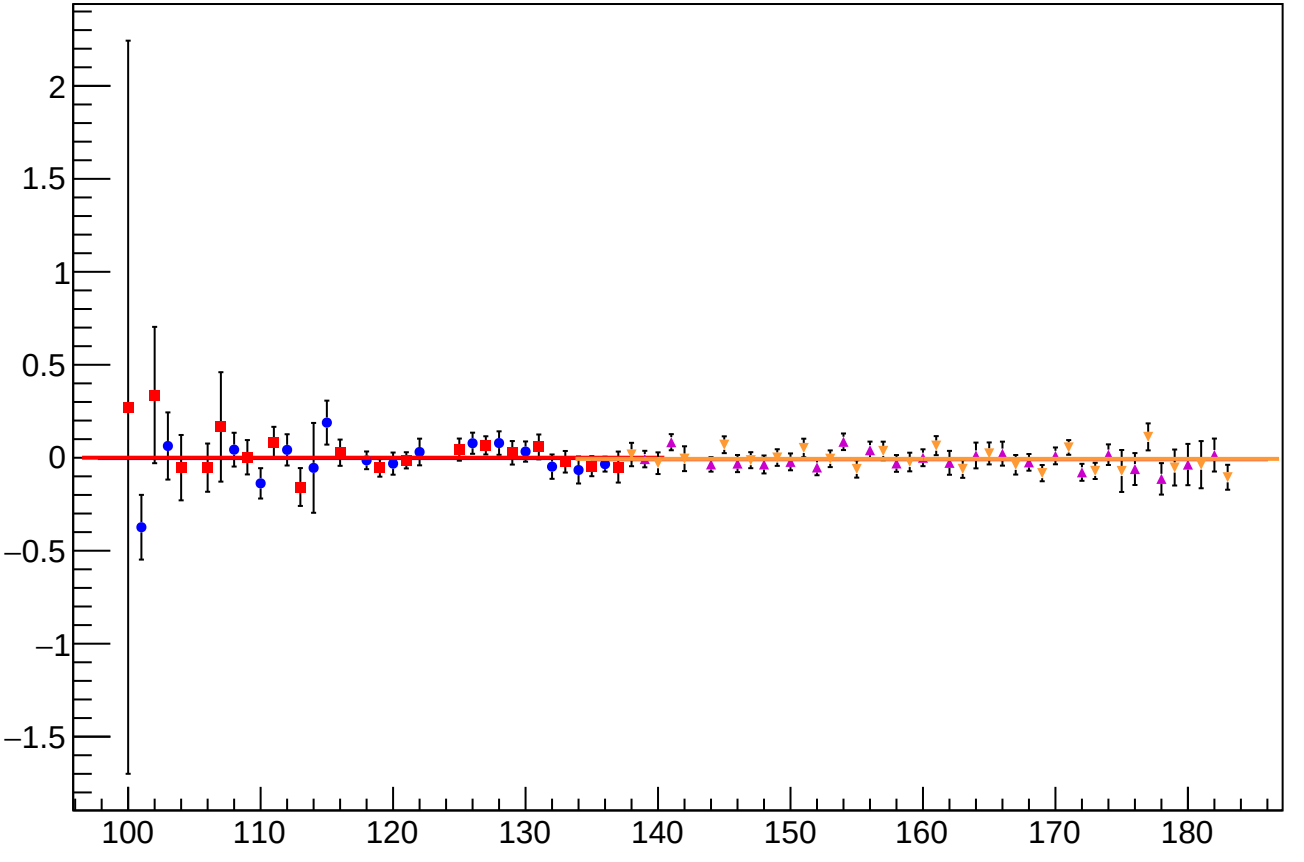
Left In: 41.290+/-0.008 χ^2/NDF:1385079.4/21

+ sign 41.631+/-0.007 χ^2/NDF: 3242708.4/38

All: 40.783+/-0.005 χ^2/NDF: 6598984.7/78

- sign 39.969+/-0.006 χ^2/NDF: 3323337.6/39

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.006+/-0.011 χ^2/NDF:23.7/22

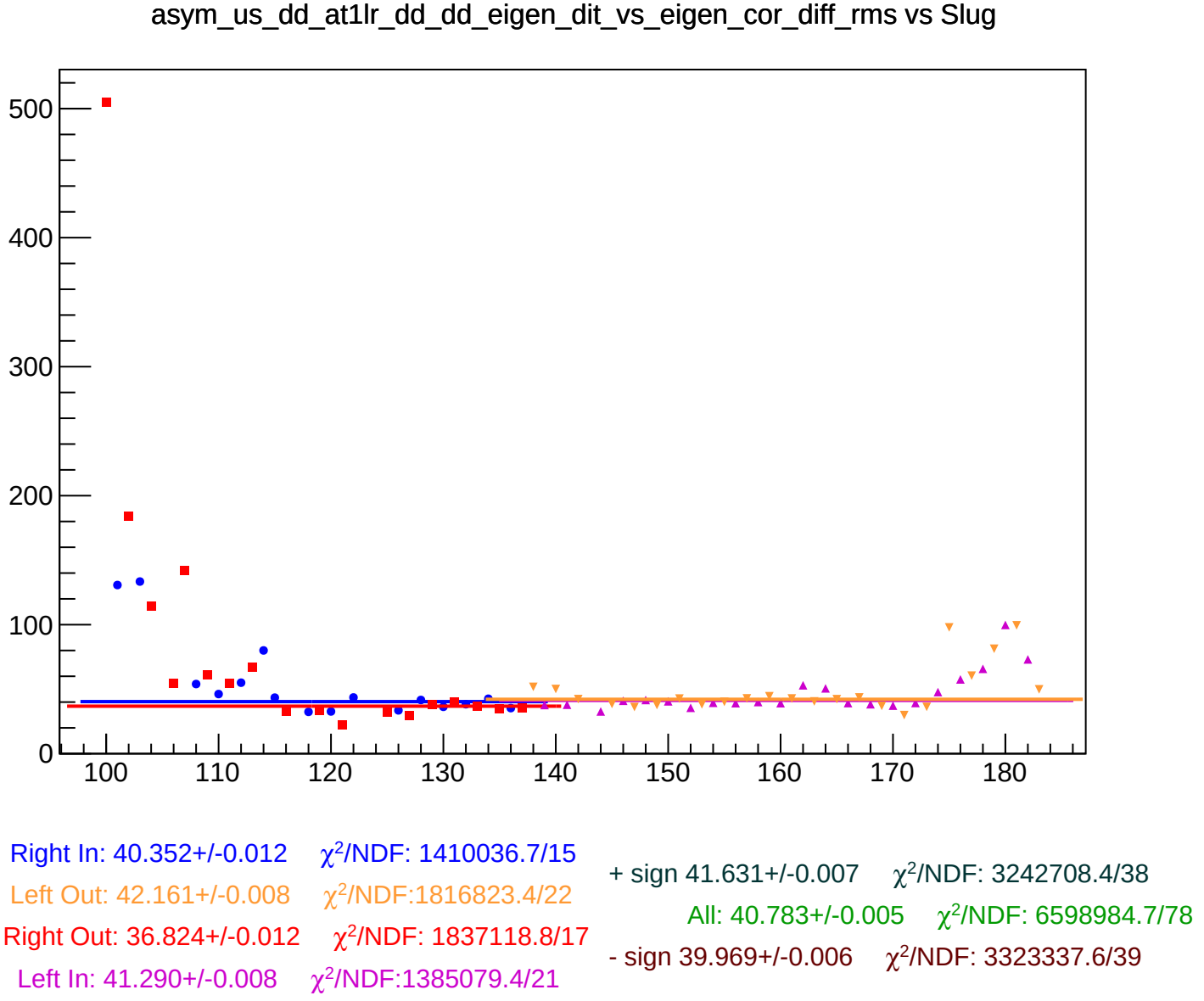
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

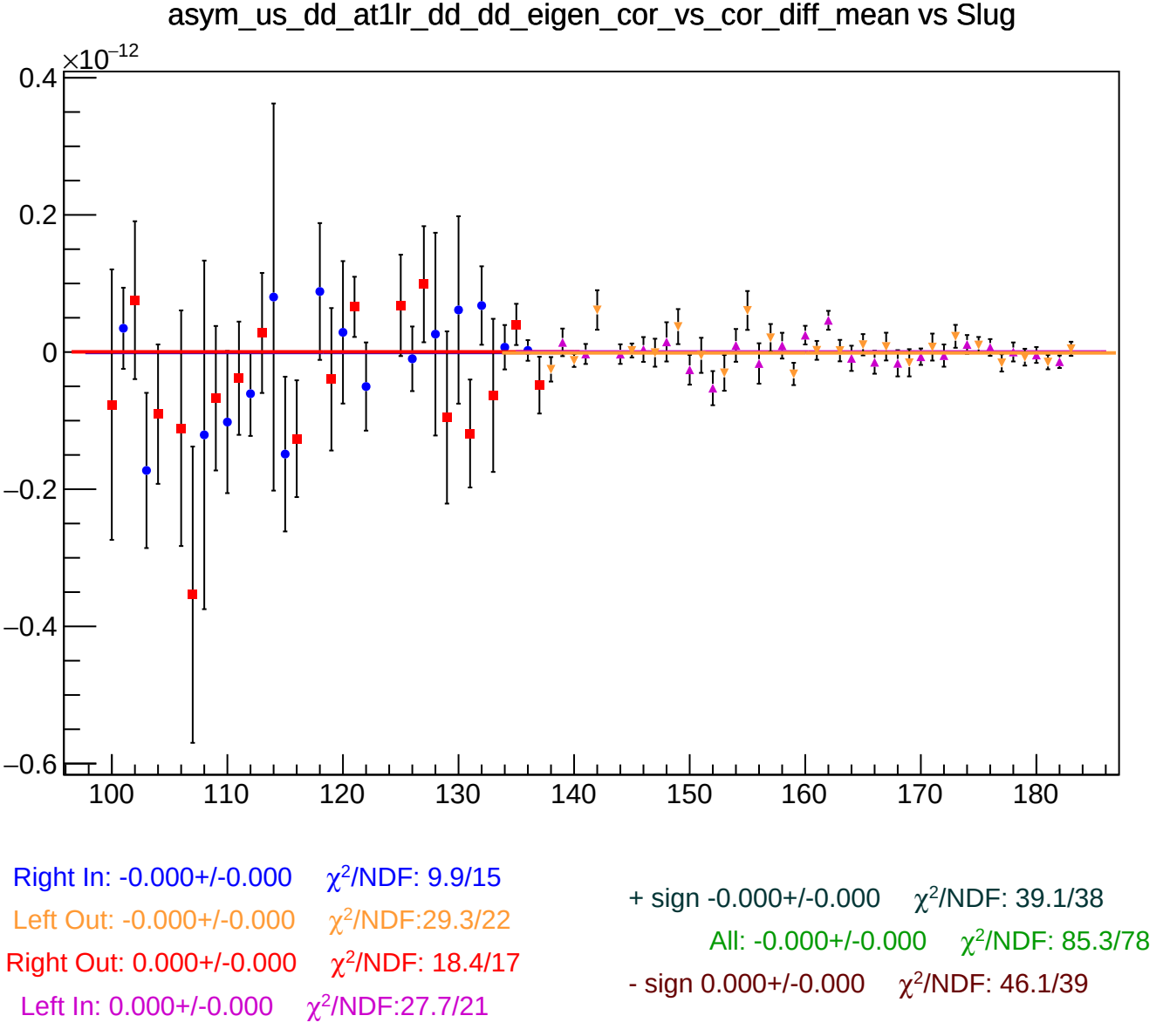
Left In: -0.008+/-0.011 χ^2/NDF:17.9/21

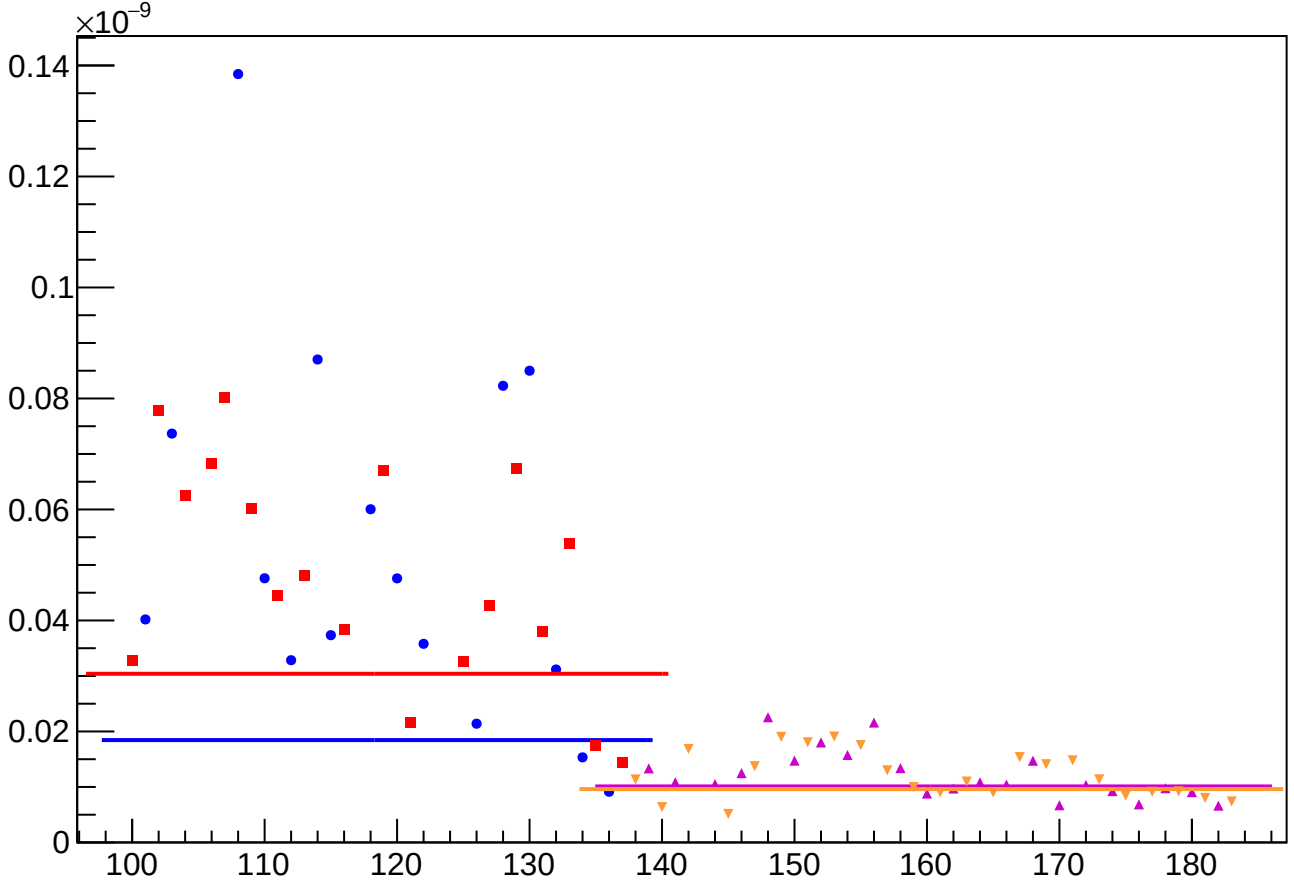
+ sign -0.005+/-0.009 χ^2/NDF: 40.9/38

All: -0.005+/-0.006 χ^2/NDF: 69.9/78

- sign -0.006+/-0.009 χ^2/NDF: 29.0/39


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 40.352+/-0.012 χ²/NDF: 1410036.7/15
Left Out: 42.161+/-0.008 χ²/NDF:1816823.4/22
Right Out: 36.824+/-0.012 χ²/NDF: 1837118.8/17
Left In: 41.290+/-0.008 χ²/NDF:1385079.4/21
+ sign 41.631+/-0.007 χ²/NDF: 3242708.4/38
All: 40.783+/-0.005 χ²/NDF: 6598984.7/78
- sign 39.969+/-0.006 χ²/NDF: 3323337.6/39


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: -0.000+/-0.000 χ²/NDF:29.3/22
Right Out: 0.000+/-0.000 χ²/NDF: 18.4/17
Left In: 0.000+/-0.000 χ²/NDF:27.7/21
+ sign -0.000+/-0.000 χ²/NDF: 39.1/38
All: -0.000+/-0.000 χ²/NDF: 85.3/78
- sign 0.000+/-0.000 χ²/NDF: 46.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2430573.4/22

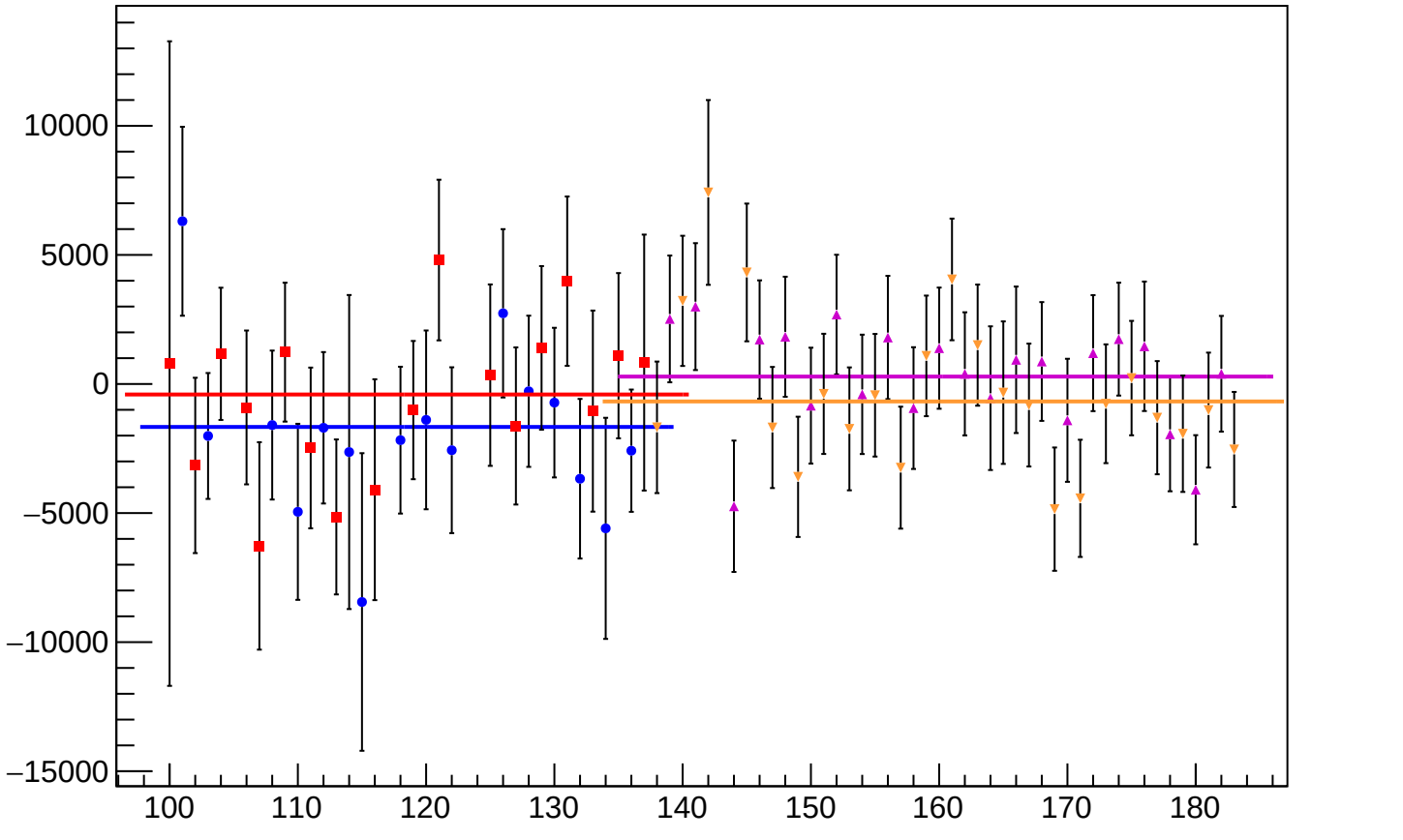
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1995425.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 7541677.4/38

All: 0.000+/-0.000 χ^2/NDF: 14893371.4/78

- sign 0.000+/-0.000 χ^2/NDF: 7307184.3/39



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -676.173+/-497.749 χ^2/NDF:26.9/22

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

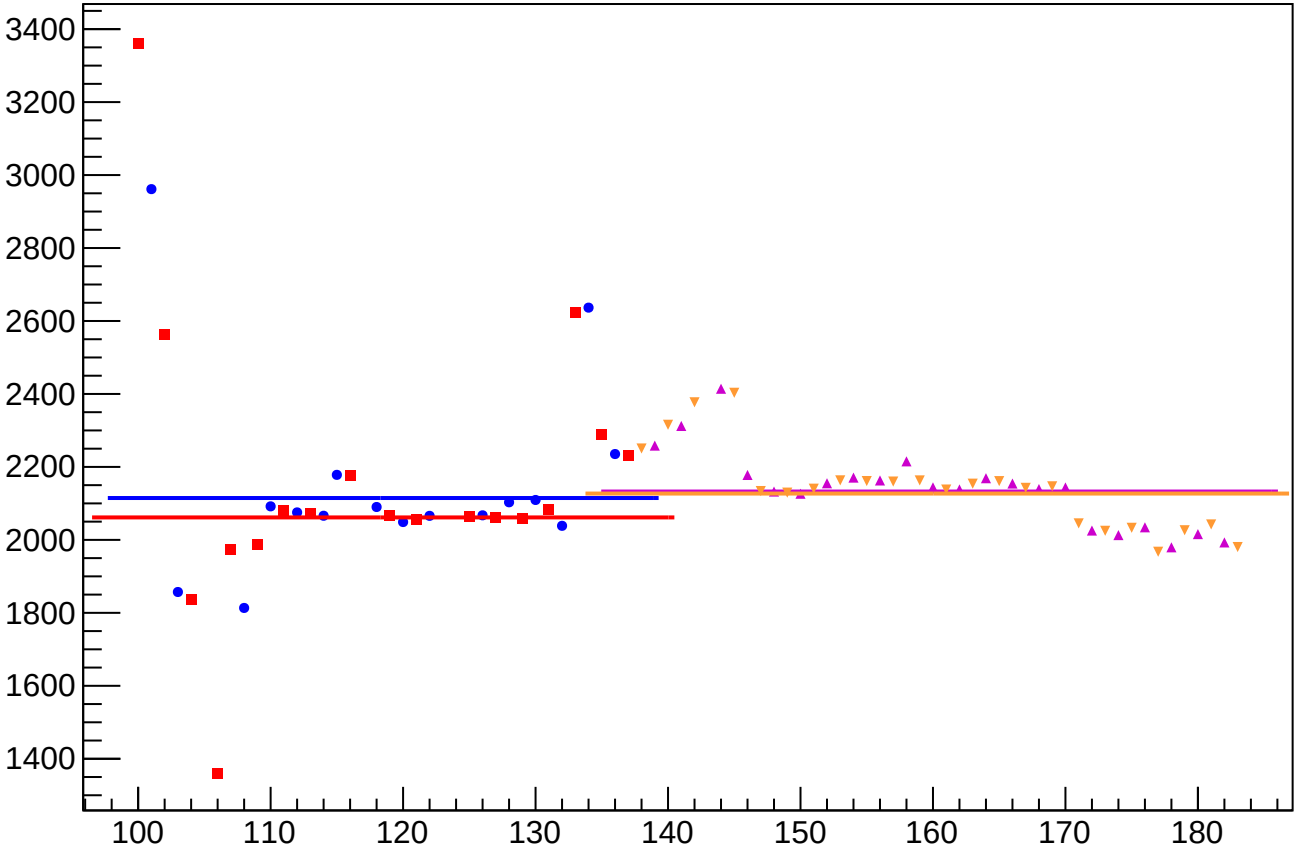
Left In: 286.873+/-502.600 χ^2/NDF:15.9/21

+ sign -955.871+/-421.456 χ^2/NDF: 38.8/38

All: -437.499+/-298.219 χ^2/NDF: 71.1/78

- sign 82.295+/-422.034 χ^2/NDF: 29.3/39

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2126.977+/-0.352 χ^2/NDF:85984.2/22

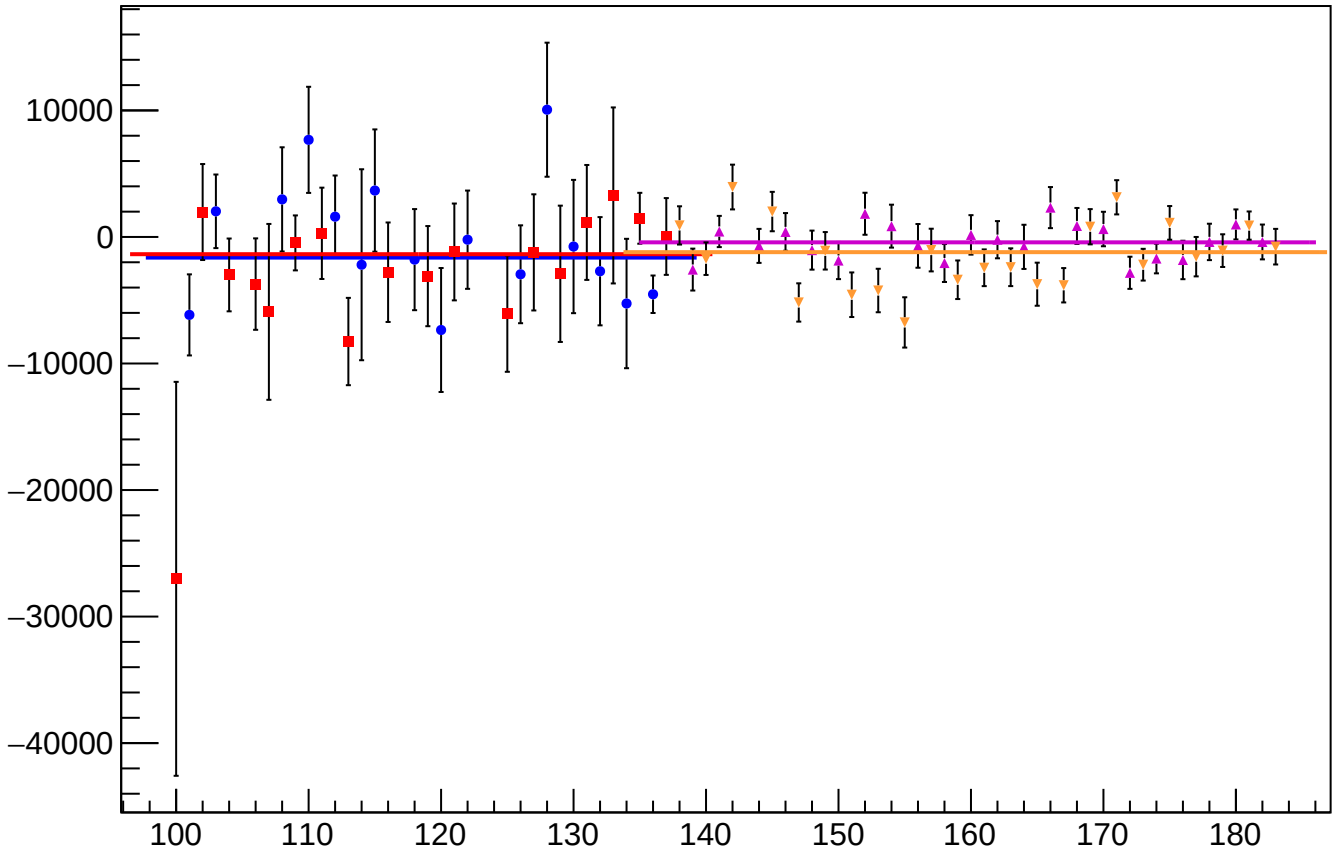
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2132.544+/-0.355 χ^2/NDF:82377.1/21

+ sign 2123.517+/-0.298 χ^2/NDF: 276246.1/38

All: 2117.572+/-0.211 χ^2/NDF: 620371.6/78

- sign 2111.610+/-0.298 χ^2/NDF: 343328.4/39



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1201.069+/-304.899 χ^2/NDF:65.3/22

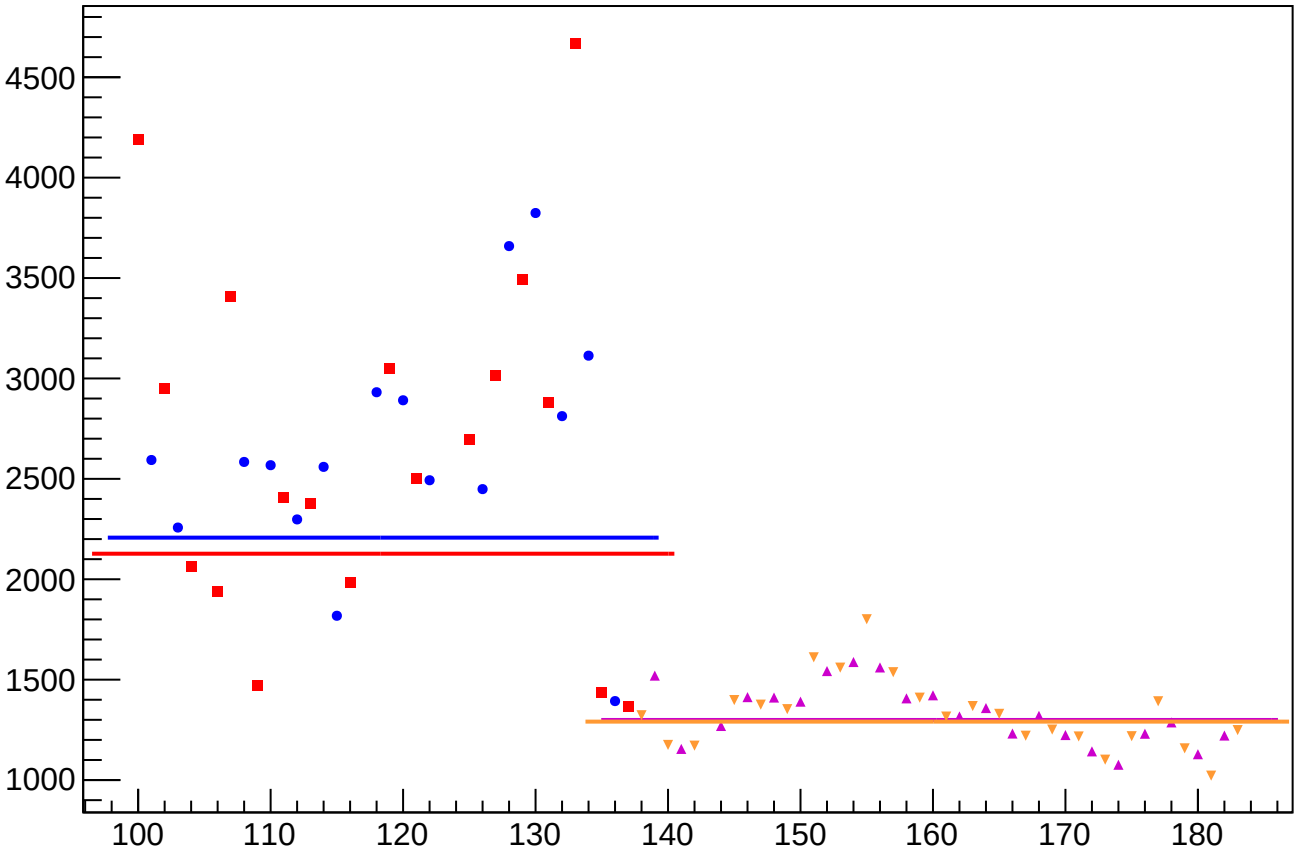
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -425.372+/-308.331 χ^2/NDF:18.8/21

+ sign -1248.777+/-287.463 χ^2/NDF: 88.4/38

All: -895.095+/-203.971 χ^2/NDF: 124.8/78

- sign -536.467+/-289.465 χ^2/NDF: 33.4/39



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1291.061+/-0.216 χ^2/NDF:566496.3/22

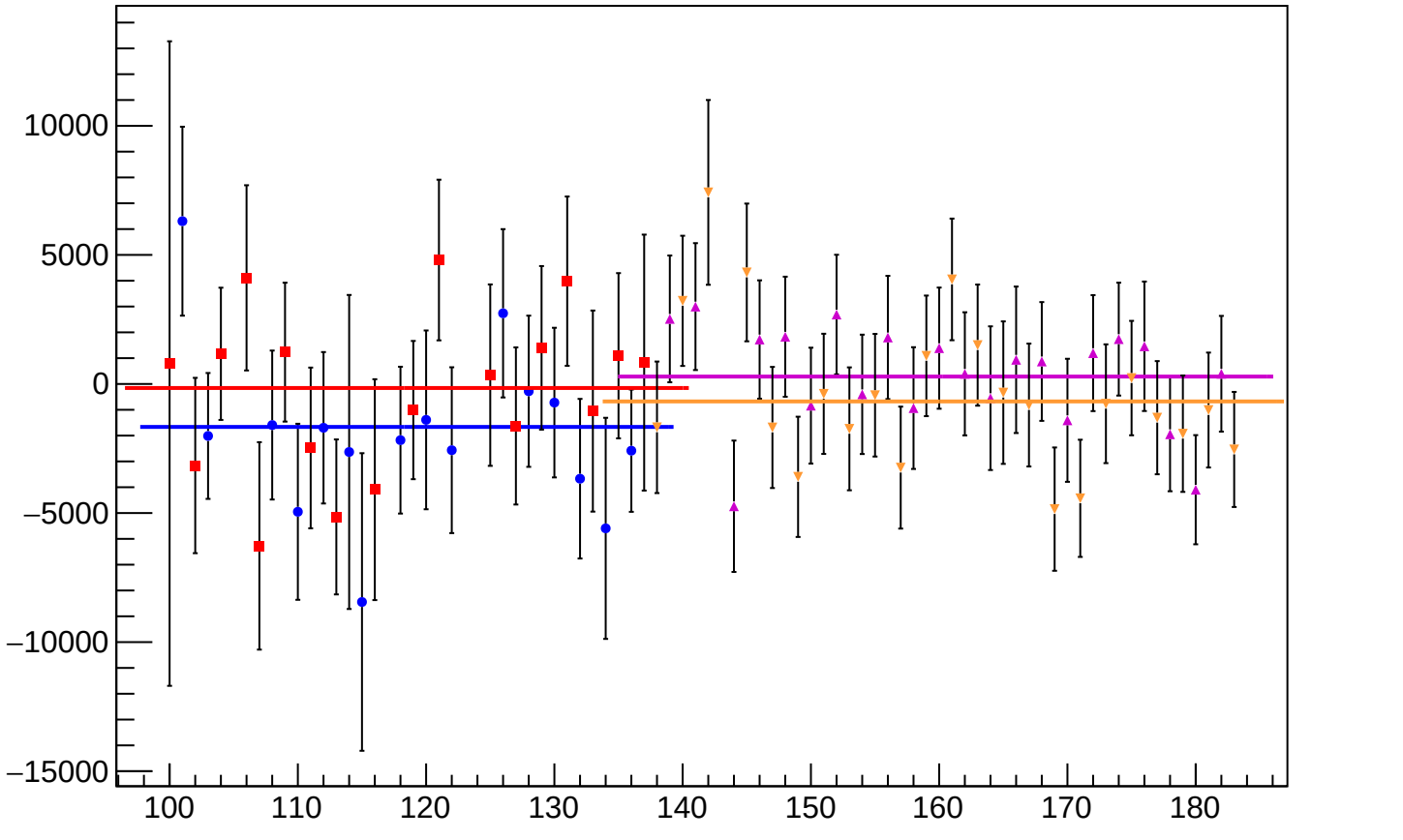
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1299.262+/-0.218 χ^2/NDF:430391.1/21

+ sign 1392.854+/-0.203 χ^2/NDF: 3822174.3/38

All: 1395.153+/-0.144 χ^2/NDF: 7421745.5/78

- sign 1397.485+/-0.205 χ^2/NDF: 3599313.5/39



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -676.051+/-497.749 χ^2/NDF:26.9/22

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

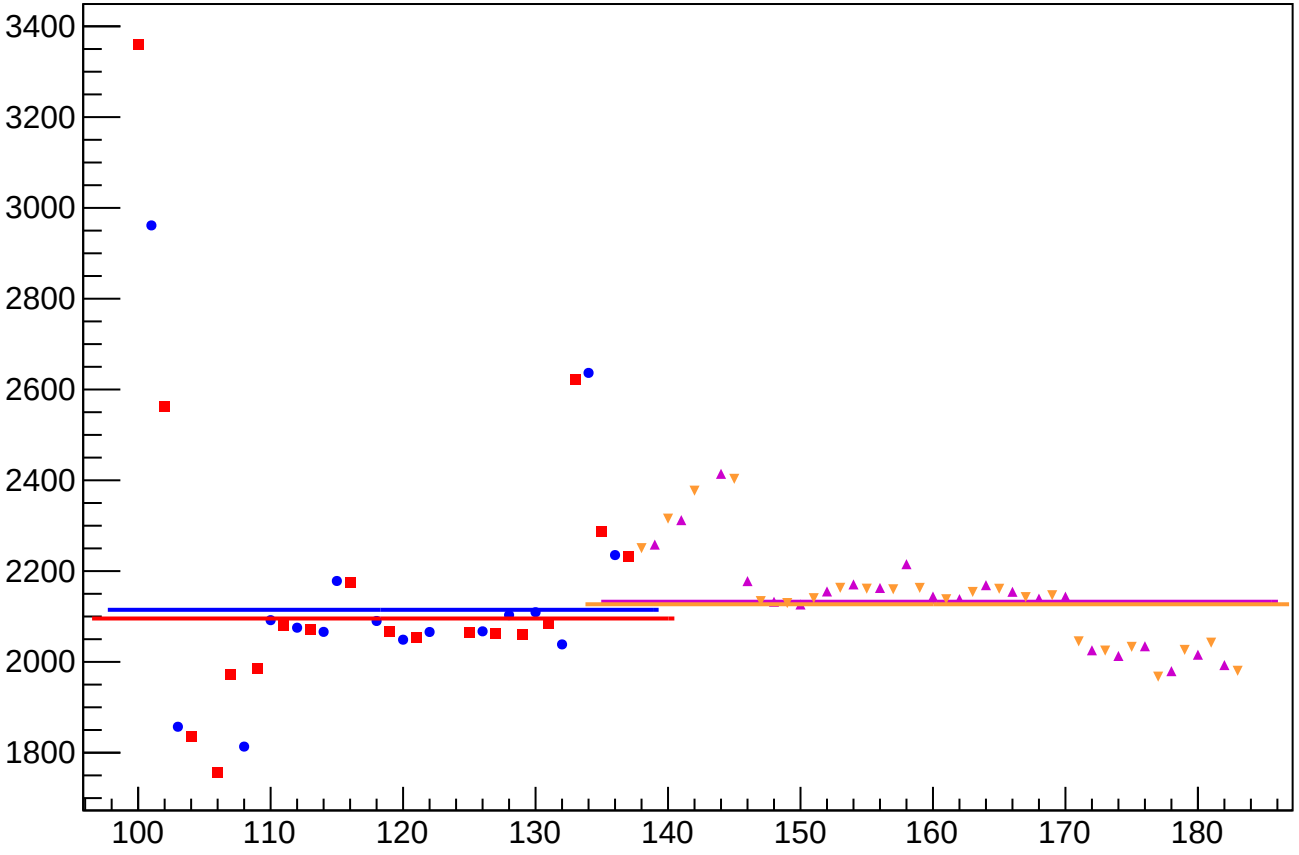
Left In: 286.796+/-502.600 χ^2/NDF:15.9/21

\+ sign -955.763+/-421.456 χ^2/NDF: 38.8/38

All: -401.264+/-298.682 χ^2/NDF: 72.6/78

\- sign 158.234+/-423.352 χ^2/NDF: 30.4/39

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2126.977+/-0.352 χ^2/NDF:85984.2/22

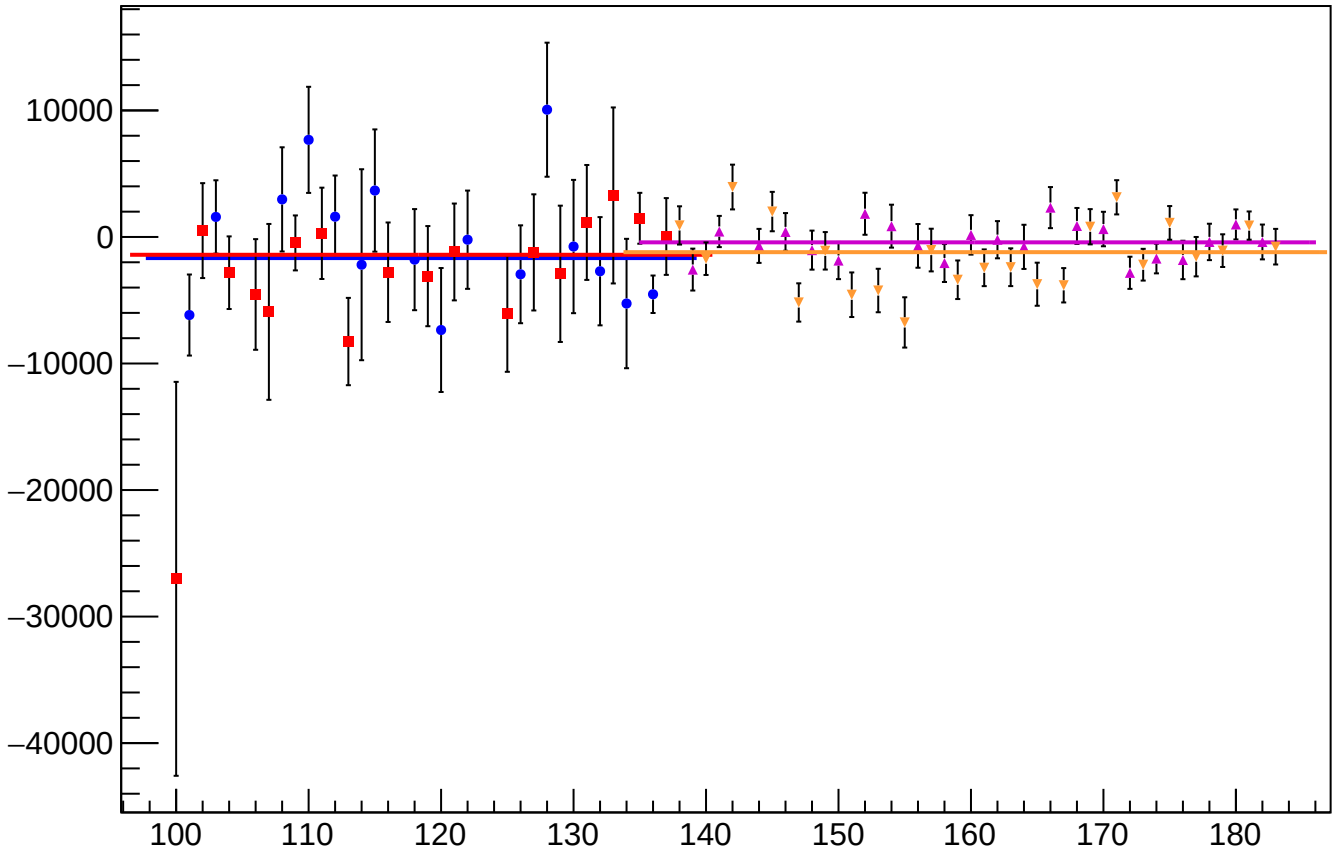
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2132.544+/-0.355 χ^2/NDF:82377.0/21

+ sign 2123.517+/-0.298 χ^2/NDF: 276246.4/38

All: 2122.668+/-0.211 χ^2/NDF: 511139.8/78

- sign 2121.811+/-0.299 χ^2/NDF: 234877.1/39



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1201.043+/-304.901 χ^2/NDF:65.3/22

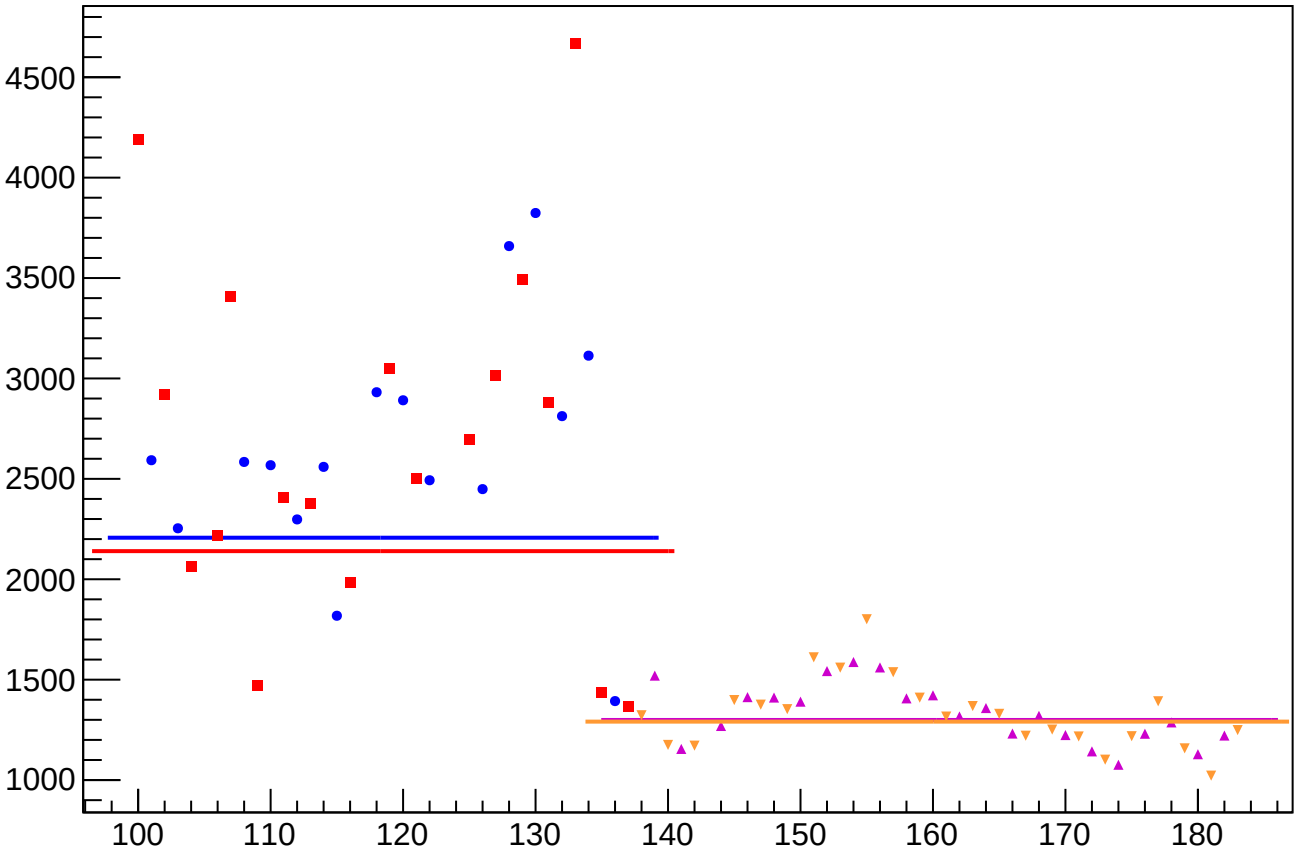
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -425.242+/-308.332 χ^2/NDF:18.8/21

+ sign -1253.009+/-287.454 χ^2/NDF: 88.1/38

All: -899.429+/-204.062 χ^2/NDF: 124.1/78

- sign -540.216+/-289.735 χ^2/NDF: 33.0/39



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1291.073+/-0.216 χ^2/NDF:566428.7/22

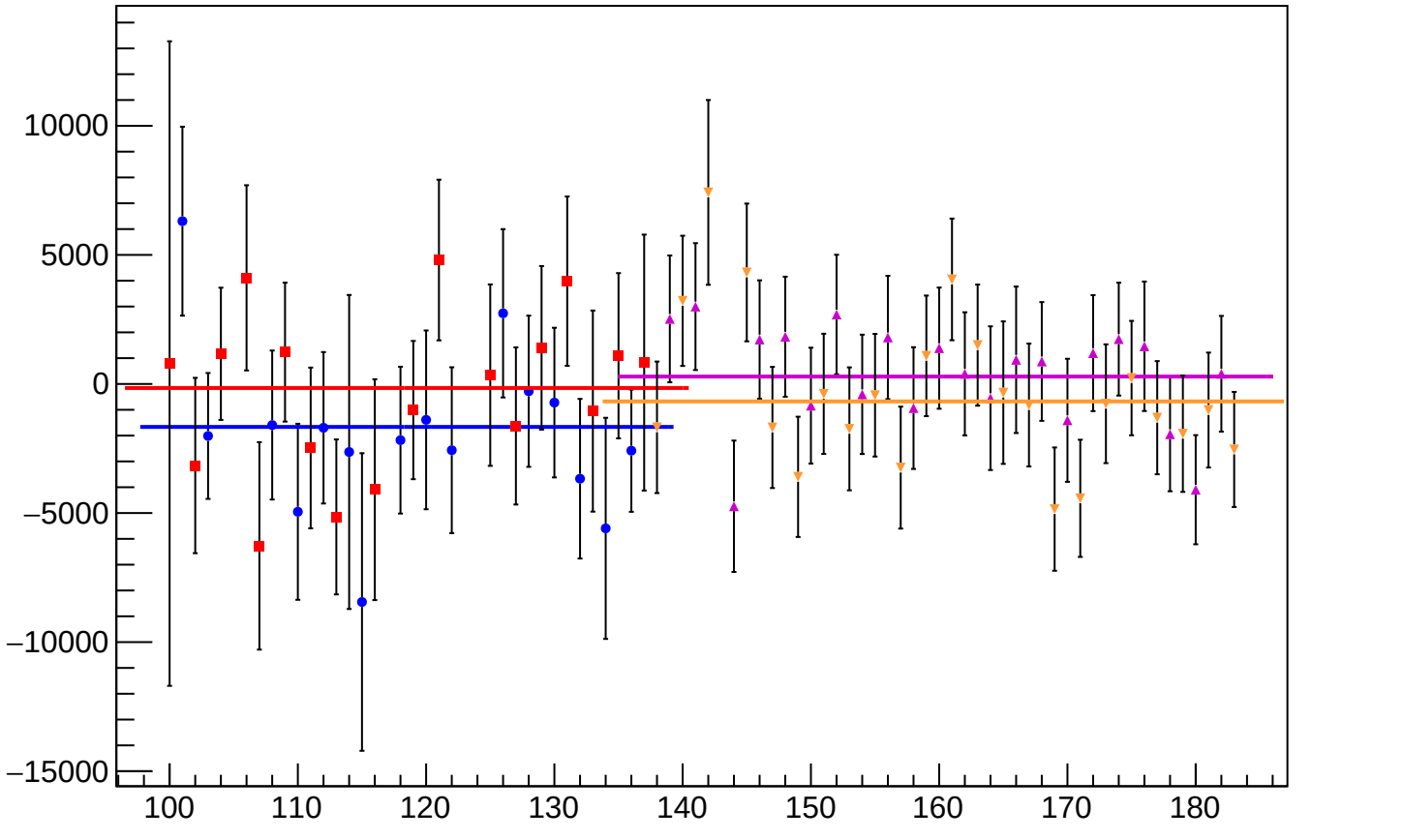
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1299.264+/-0.218 χ^2/NDF:430404.2/21

+ sign 1392.889+/-0.203 χ^2/NDF: 3821544.1/38

All: 1395.242+/-0.144 χ^2/NDF: 7440537.6/78

- sign 1397.632+/-0.205 χ^2/NDF: 3618723.4/39



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -676.051+/-497.749 χ^2/NDF:26.9/22

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

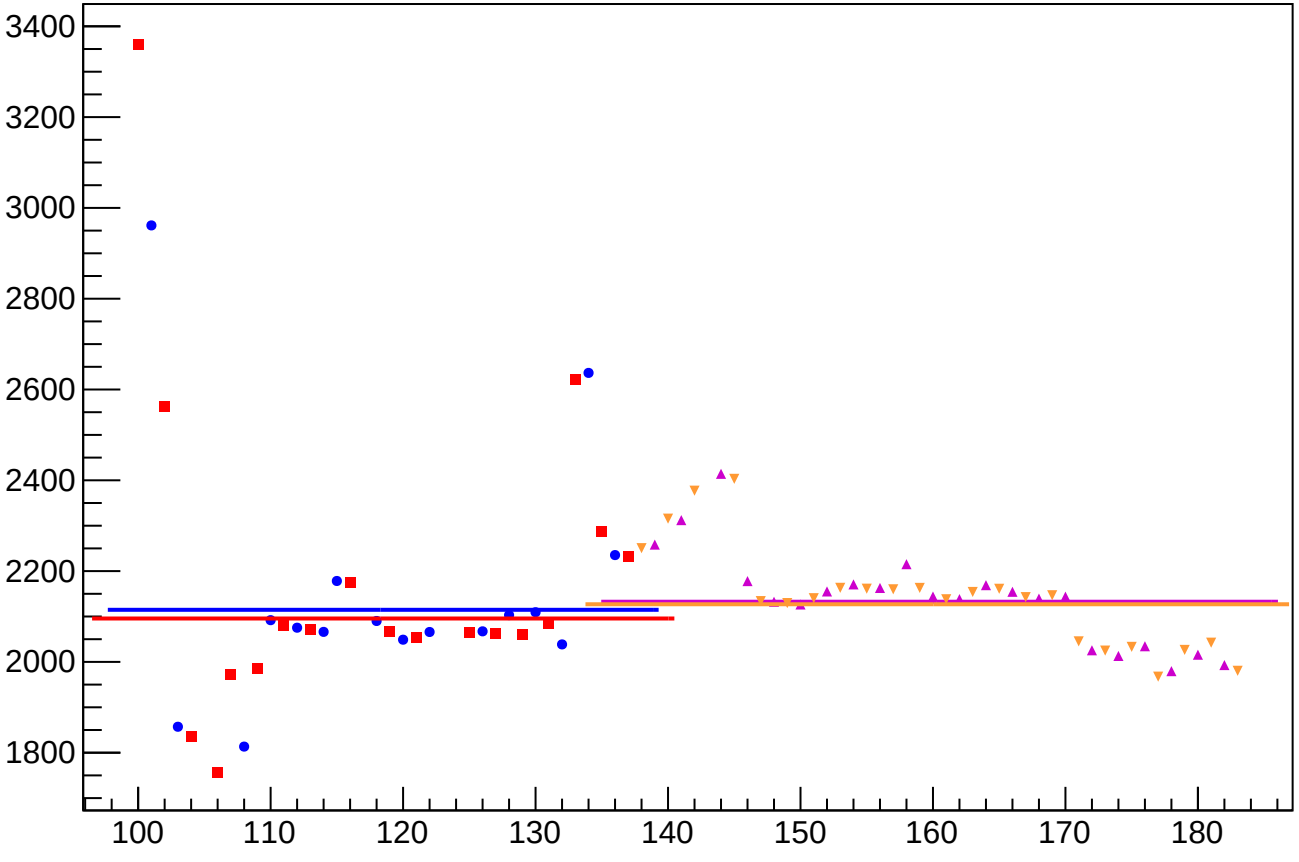
Left In: 286.796+/-502.600 χ^2/NDF:15.9/21

\+ sign -955.763+/-421.456 χ^2/NDF: 38.8/38

All: -401.264+/-298.682 χ^2/NDF: 72.6/78

\- sign 158.234+/-423.352 χ^2/NDF: 30.4/39

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2126.977+/-0.352 χ^2/NDF:85984.2/22

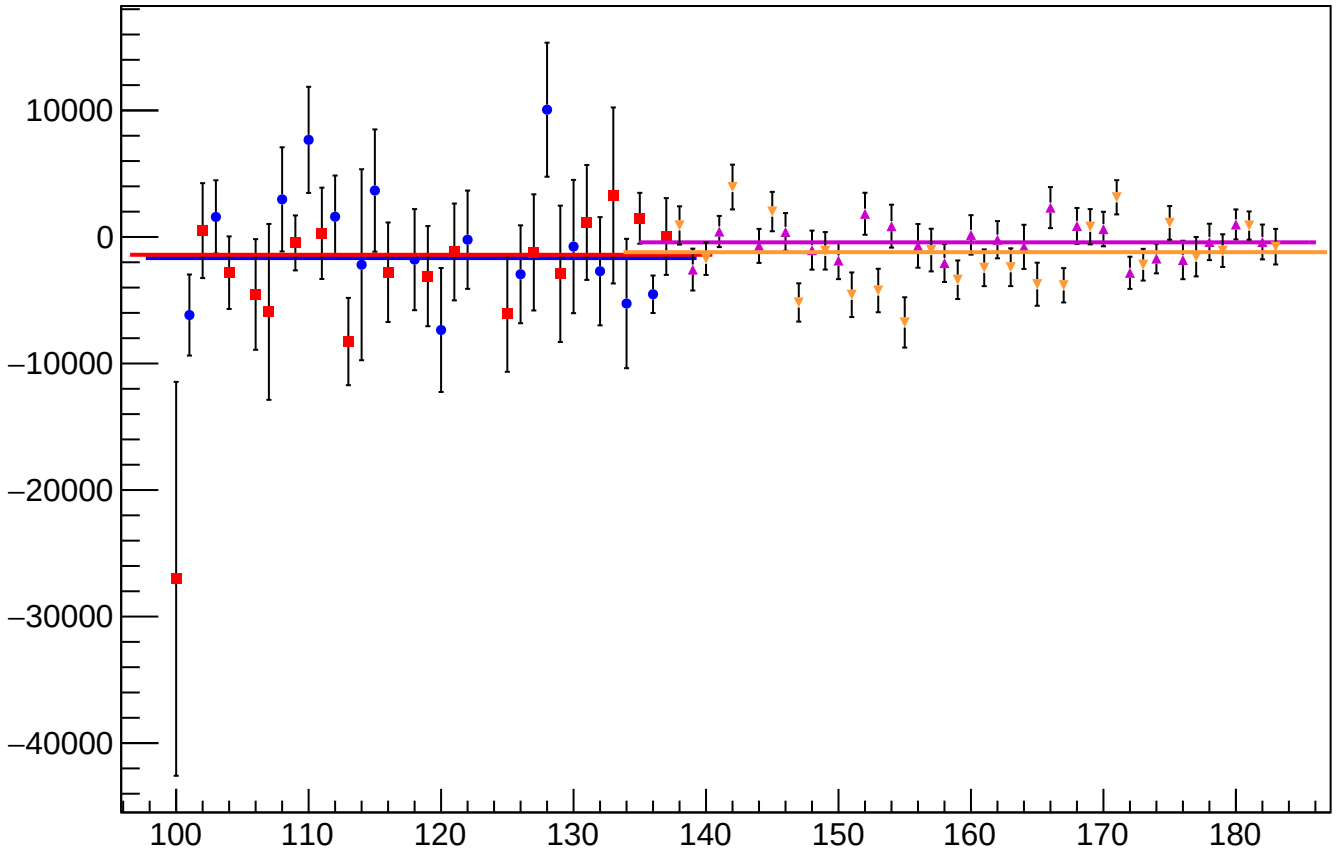
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2132.544+/-0.355 χ^2/NDF:82377.0/21

+ sign 2123.517+/-0.298 χ^2/NDF: 276246.4/38

All: 2122.668+/-0.211 χ^2/NDF: 511139.8/78

- sign 2121.811+/-0.299 χ^2/NDF: 234877.1/39



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1201.043+/-304.901 χ^2/NDF:65.3/22

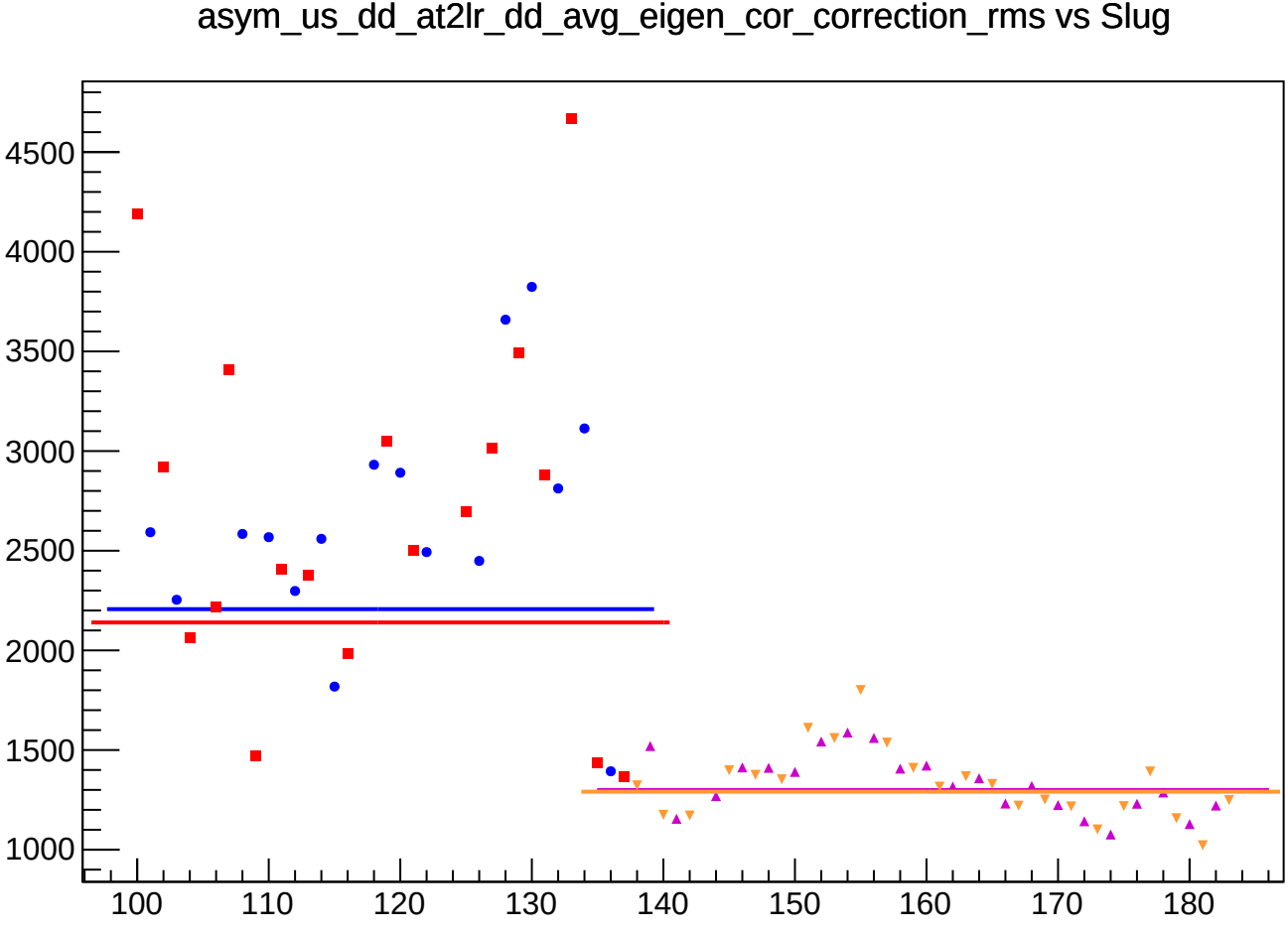
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -425.242+/-308.332 χ^2/NDF:18.8/21

\+ sign -1253.009+/-287.454 χ^2/NDF: 88.1/38

All: -899.429+/-204.062 χ^2/NDF: 124.1/78

\- sign -540.216+/-289.735 χ^2/NDF: 33.0/39



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1291.073+/-0.216 χ^2/NDF:566428.7/22

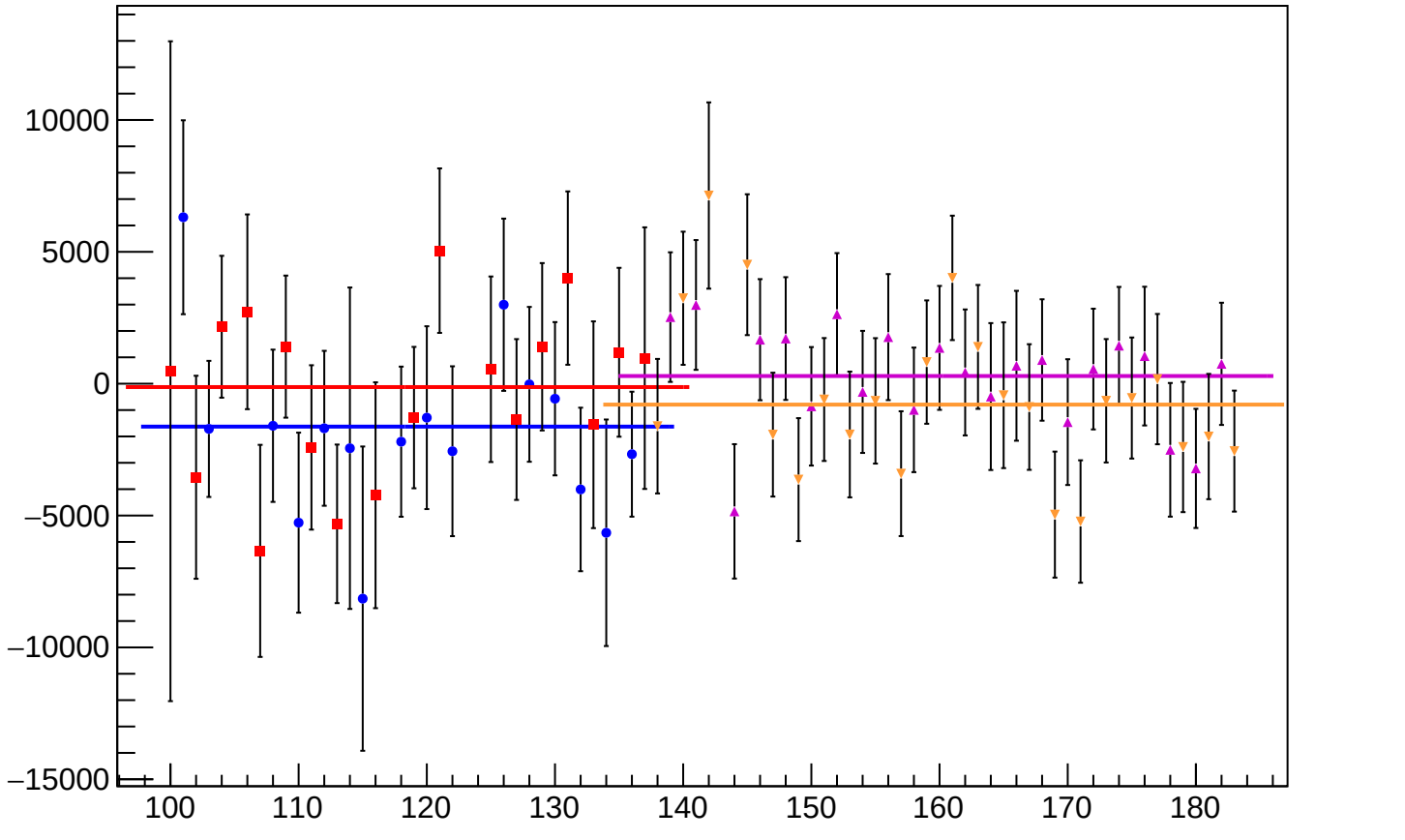
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1299.264+/-0.218 χ^2/NDF:430404.2/21

+ sign 1392.889+/-0.203 χ^2/NDF: 3821544.1/38

All: 1395.242+/-0.144 χ^2/NDF: 7440537.6/78

- sign 1397.632+/-0.205 χ^2/NDF: 3618723.4/39



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -792.733+/-506.955 χ^2/NDF:28.5/22

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

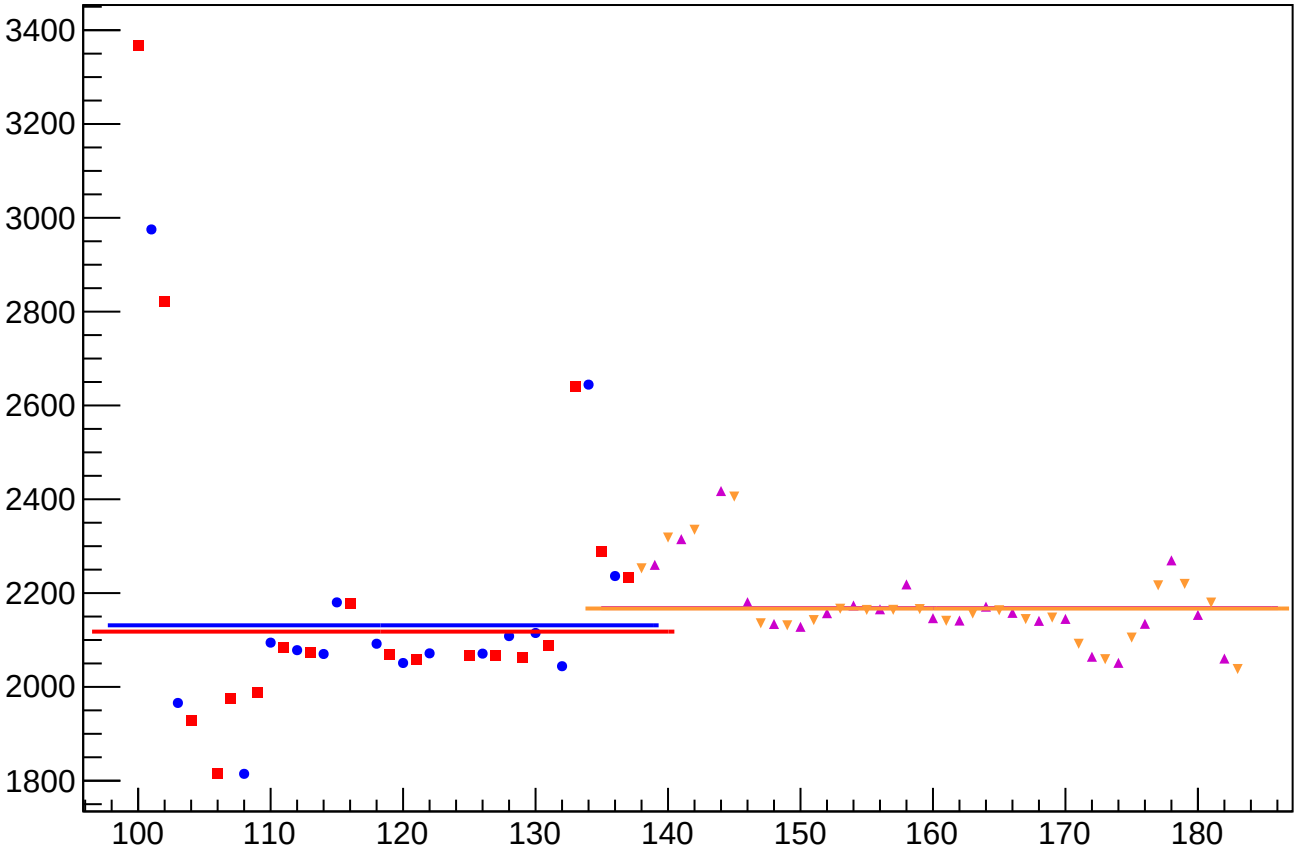
Left In: 290.852+/-510.772 χ^2/NDF:13.8/21

+ sign -1032.813+/-427.902 χ^2/NDF: 40.6/38

All: -434.836+/-303.264 χ^2/NDF: 73.0/78

- sign 168.640+/-429.866 χ^2/NDF: 28.5/39

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2167.110+/-0.358 χ^2/NDF:47495.0/22

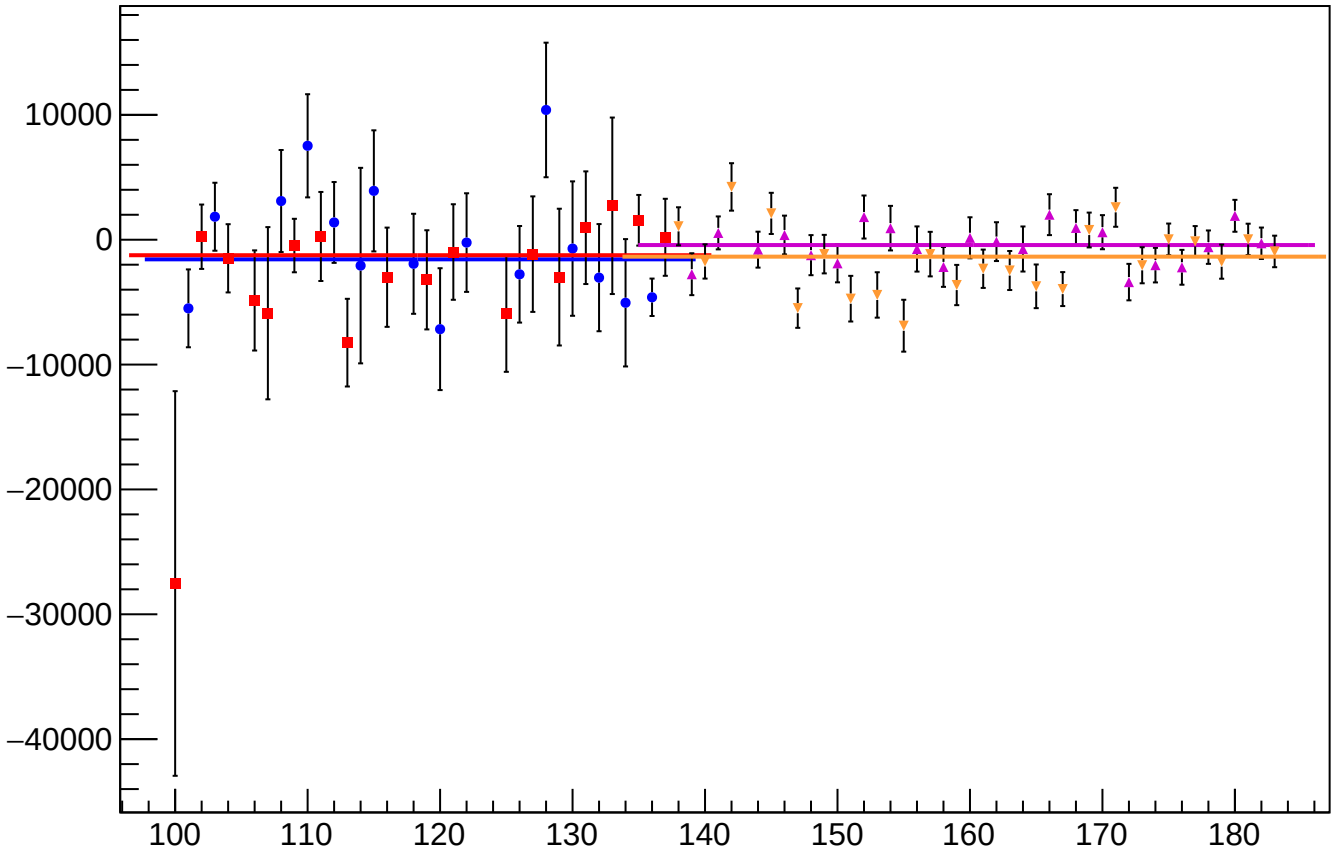
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2168.074+/-0.361 χ^2/NDF:49661.2/21

+ sign 2156.812+/-0.303 χ^2/NDF: 226308.3/38

All: 2155.128+/-0.214 χ^2/NDF: 445291.5/78

- sign 2153.429+/-0.304 χ^2/NDF: 218921.0/39



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1355.608+/-313.903 χ^2/NDF:56.8/22

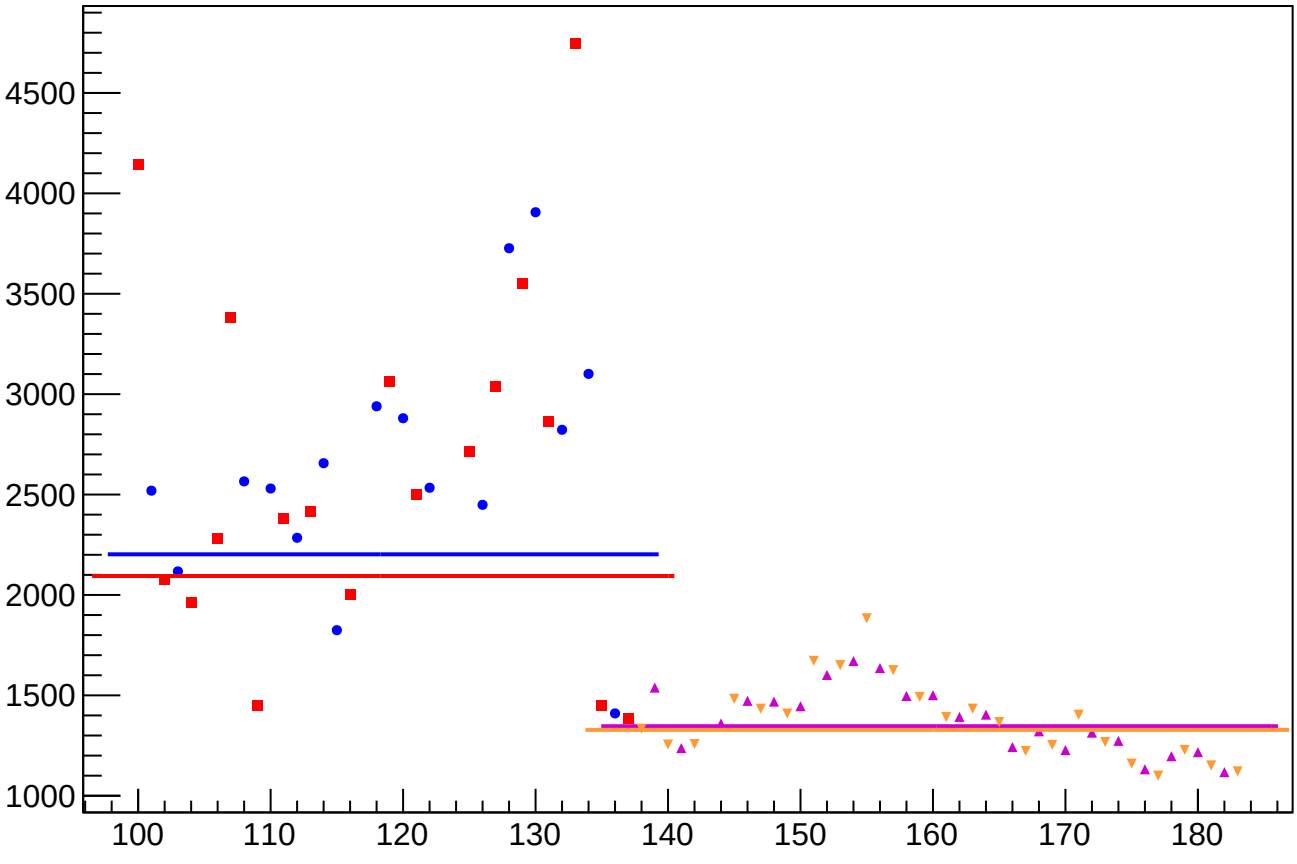
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -426.631+/-319.542 χ^2/NDF:21.9/21

+ sign -1380.952+/-294.864 χ^2/NDF: 79.5/38

All: -961.586+/-209.504 χ^2/NDF: 119.4/78

- sign -534.046+/-297.724 χ^2/NDF: 35.8/39



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1328.241+/-0.222 χ^2/NDF:641008.4/22

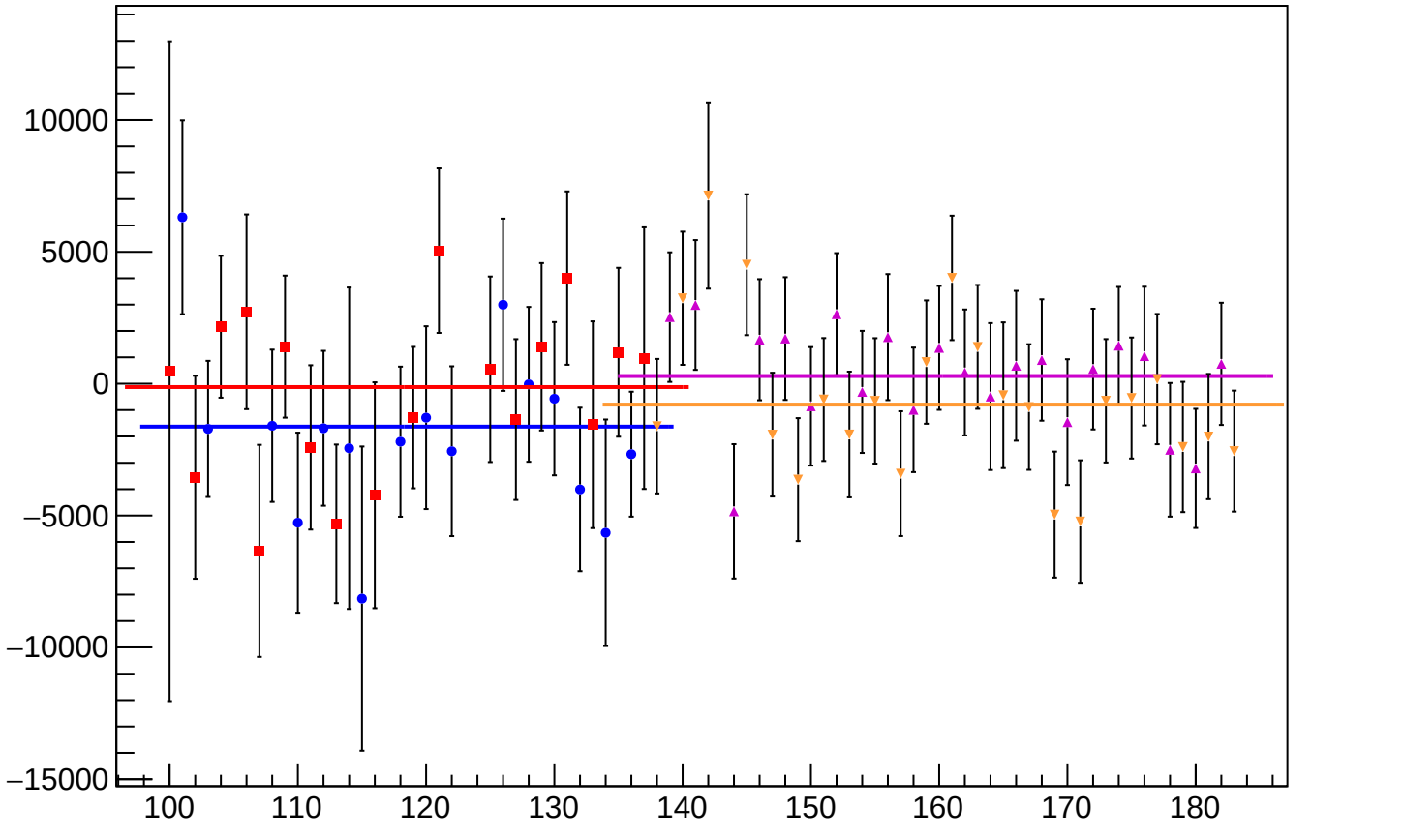
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1346.333+/-0.226 χ^2/NDF:463341.4/21

+ sign 1431.060+/-0.209 χ^2/NDF: 3688269.8/38

All: 1437.967+/-0.148 χ^2/NDF: 6973423.4/78

- sign 1445.008+/-0.211 χ^2/NDF: 3282937.7/39



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -792.730+/-506.954 χ^2/NDF:28.5/22

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

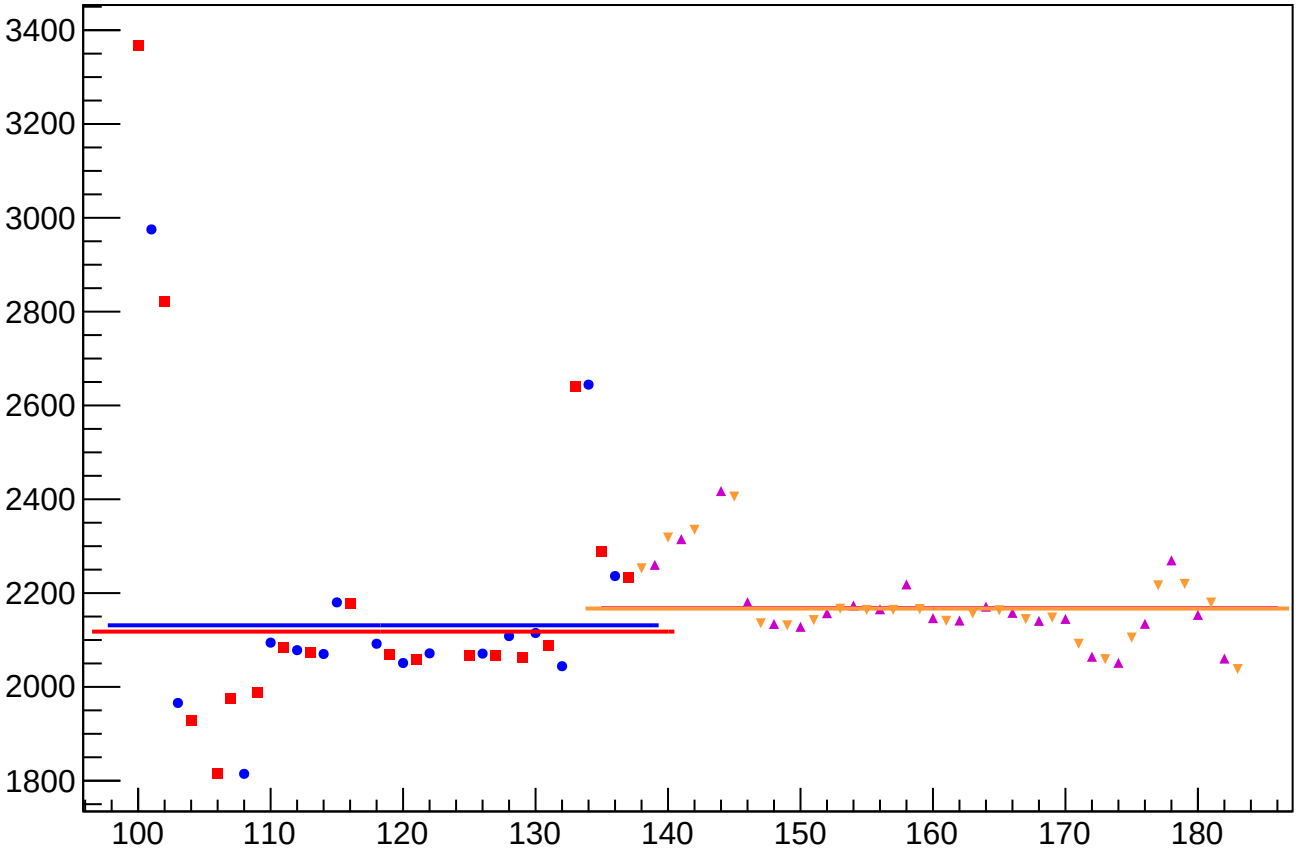
Left In: 290.852+/-510.771 χ^2/NDF:13.8/21

+ sign -1032.811+/-427.902 χ^2/NDF: 40.6/38

All: -434.834+/-303.264 χ^2/NDF: 73.0/78

- sign 168.642+/-429.866 χ^2/NDF: 28.5/39

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2167.110+/-0.358 χ^2/NDF:47495.1/22

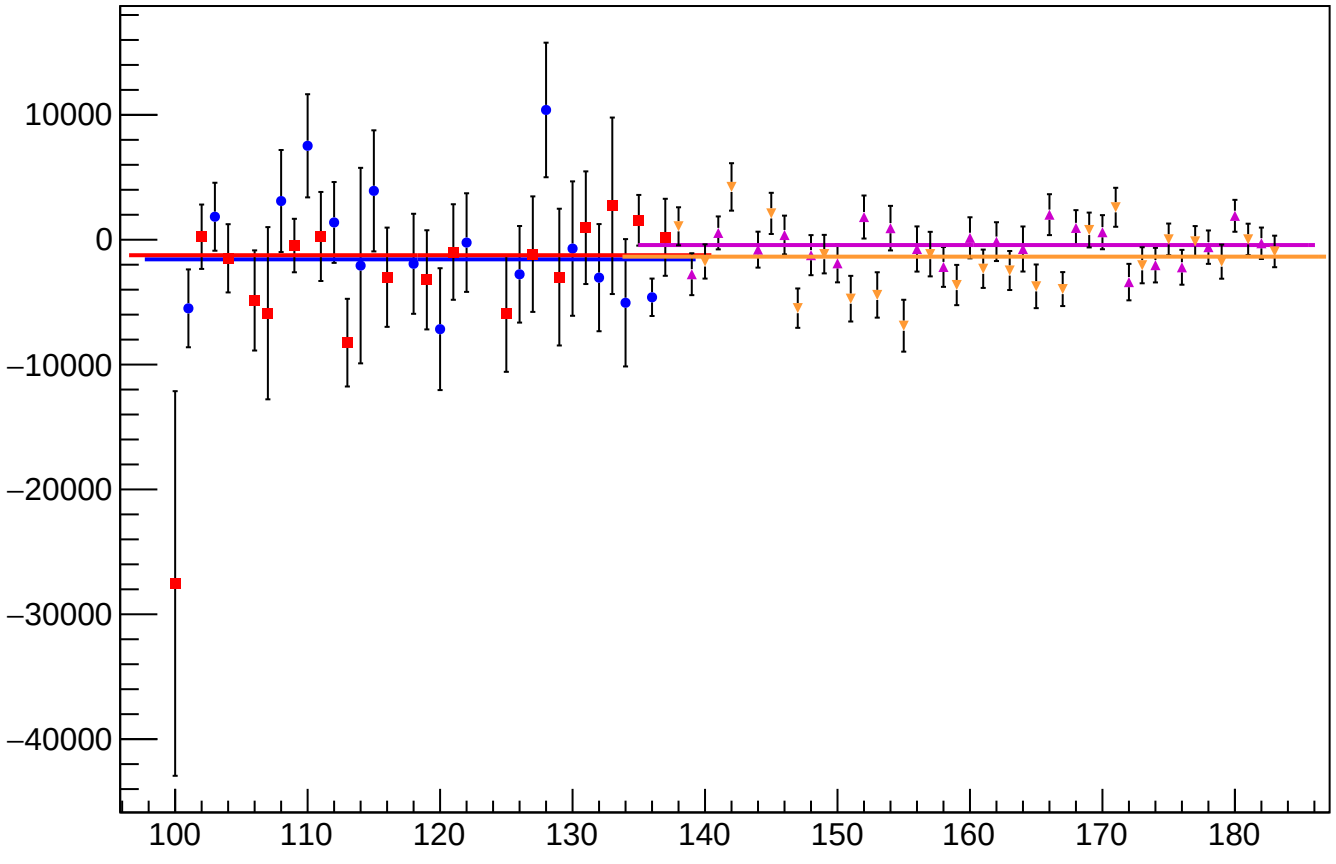
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2168.074+/-0.361 χ^2/NDF:49661.2/21

+ sign 2156.812+/-0.303 χ^2/NDF: 226308.2/38

All: 2155.128+/-0.214 χ^2/NDF: 445291.3/78

- sign 2153.428+/-0.304 χ^2/NDF: 218920.8/39



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1355.609+/-313.903 χ^2/NDF:56.8/22

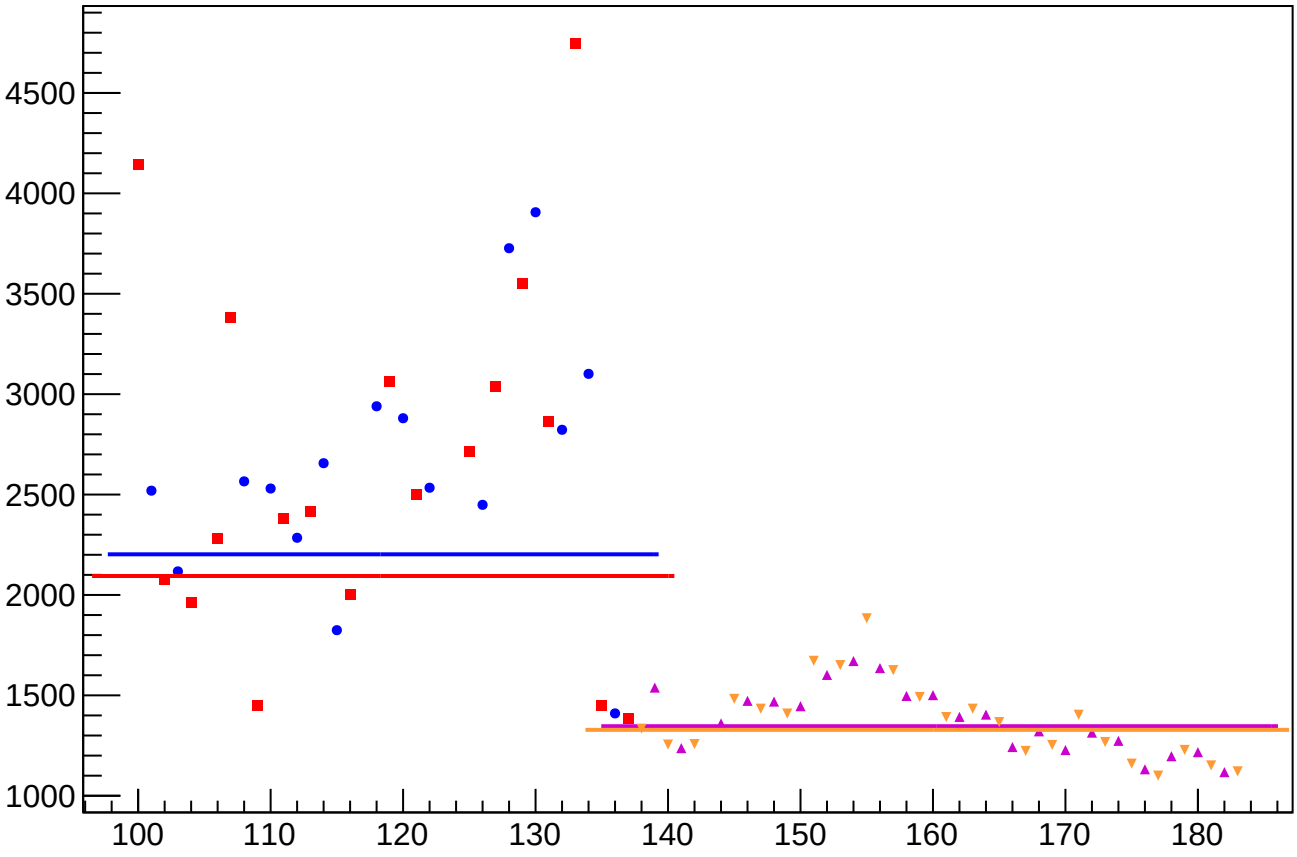
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -426.628+/-319.542 χ^2/NDF:21.9/21

+ sign -1380.951+/-294.864 χ^2/NDF: 79.5/38

All: -961.585+/-209.504 χ^2/NDF: 119.4/78

- sign -534.044+/-297.724 χ^2/NDF: 35.8/39



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1328.240+/-0.222 χ^2/NDF:641006.9/22

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

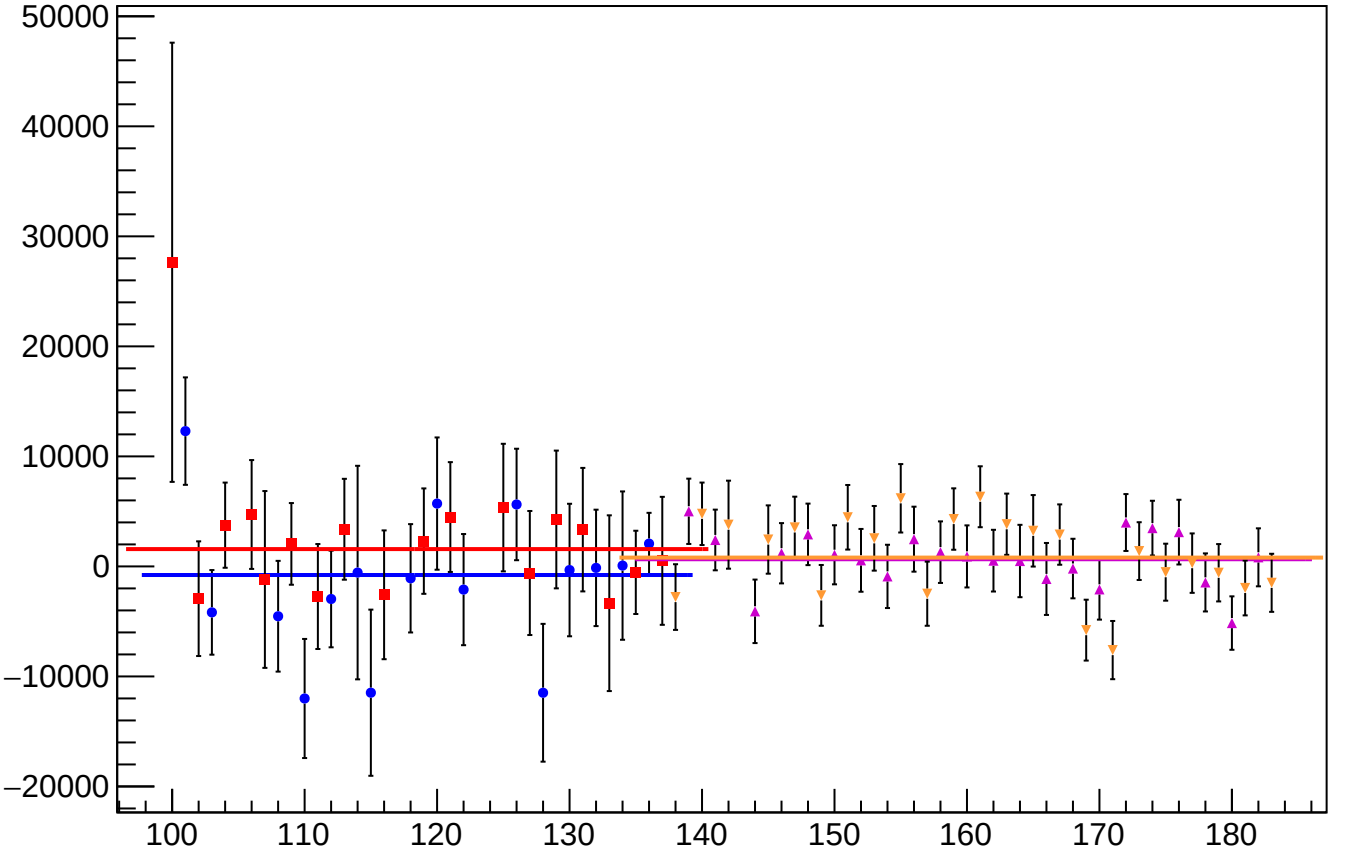
Left In: 1346.332+/-0.226 χ^2/NDF:463350.5/21

+ sign 1431.061+/-0.209 χ^2/NDF: 3688250.2/38

All: 1437.967+/-0.148 χ^2/NDF: 6973409.0/78

- sign 1445.007+/-0.211 χ^2/NDF: 3282943.2/39

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 801.455+/-588.523 χ^2/NDF:39.2/22

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

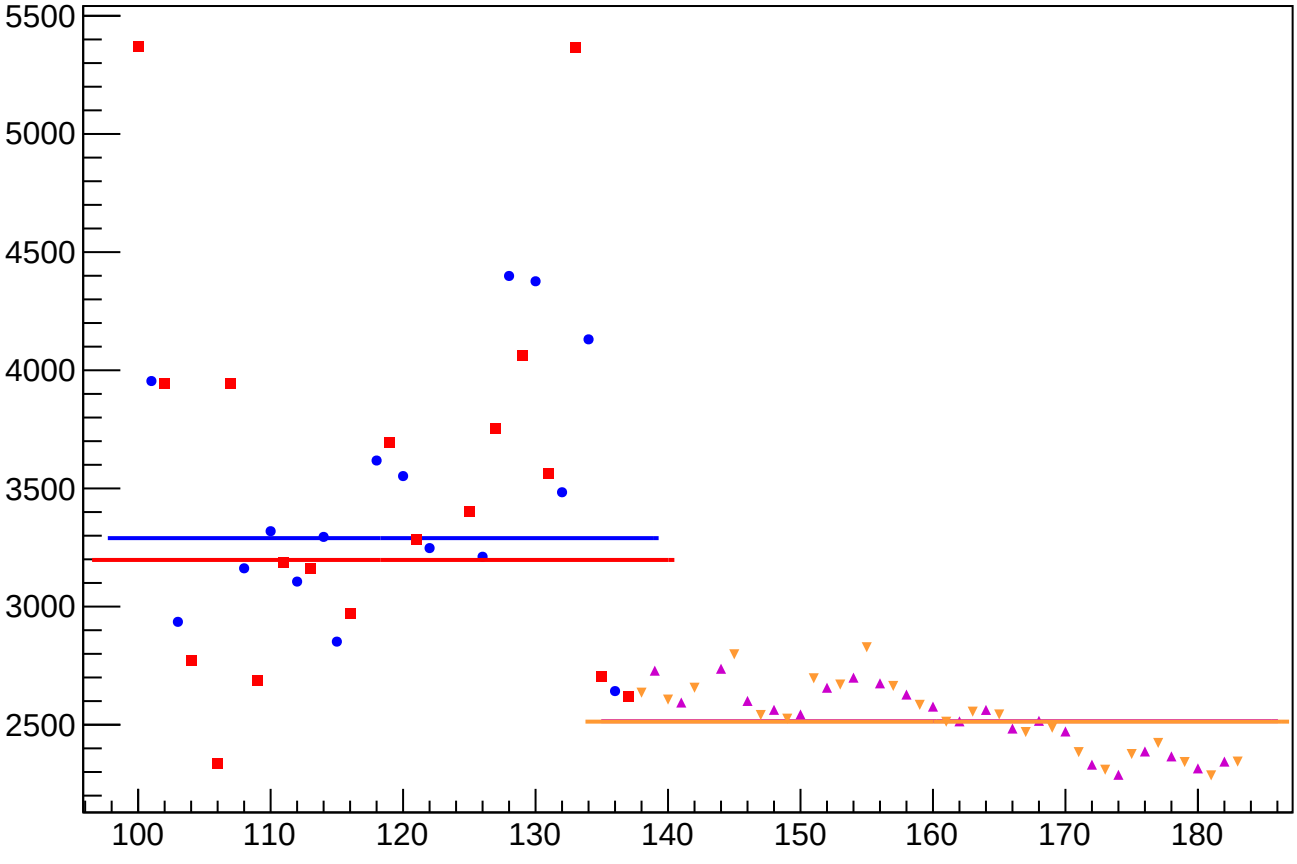
Left In: 651.876+/-593.064 χ^2/NDF:18.1/21

+ sign 511.067+/-531.813 χ^2/NDF: 62.4/38

All: 669.344+/-376.571 χ^2/NDF: 87.9/78

- sign 828.504+/-533.294 χ^2/NDF: 25.3/39

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2513.146+/-0.416 χ^2/NDF:125286.8/22

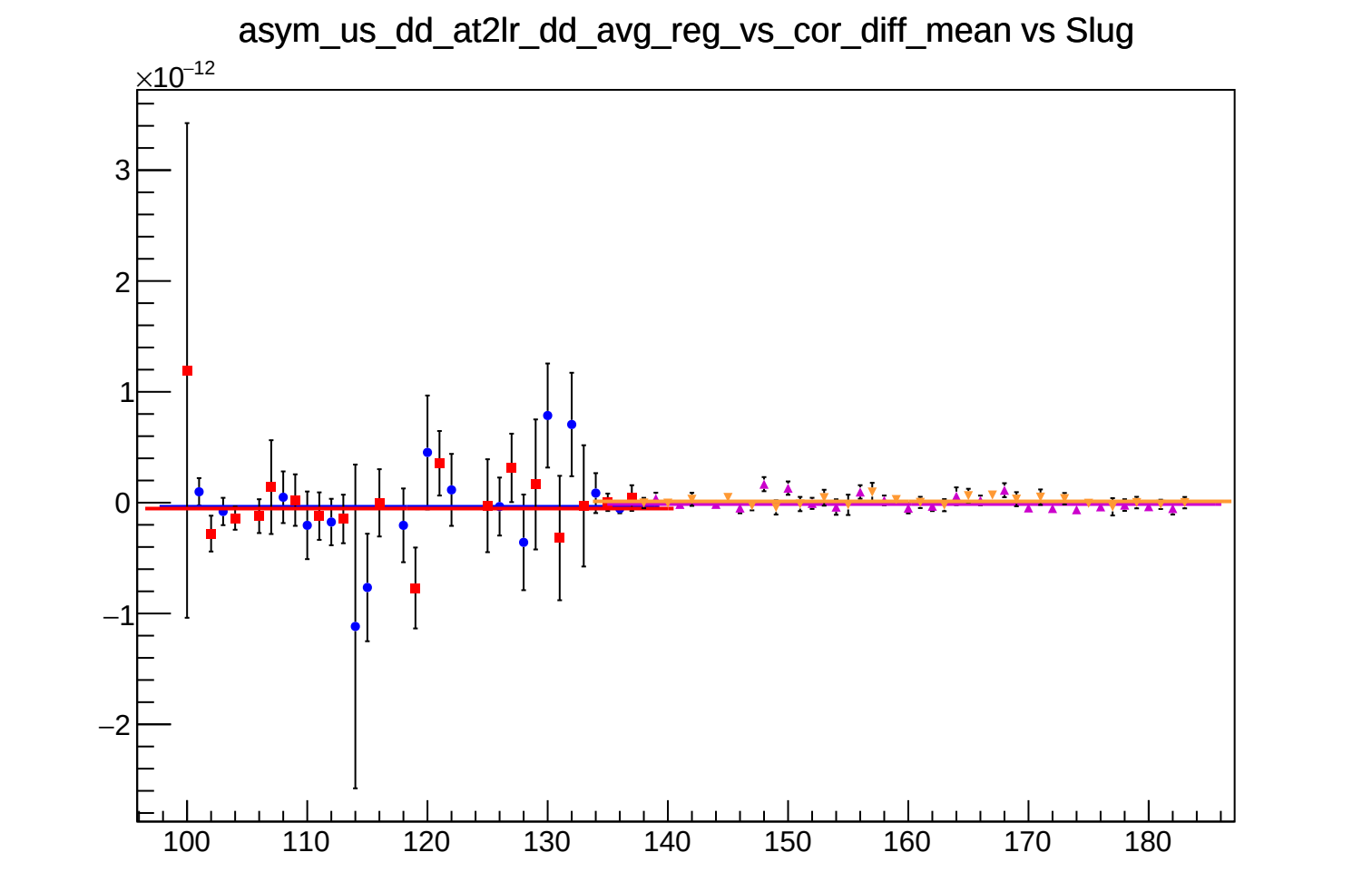
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

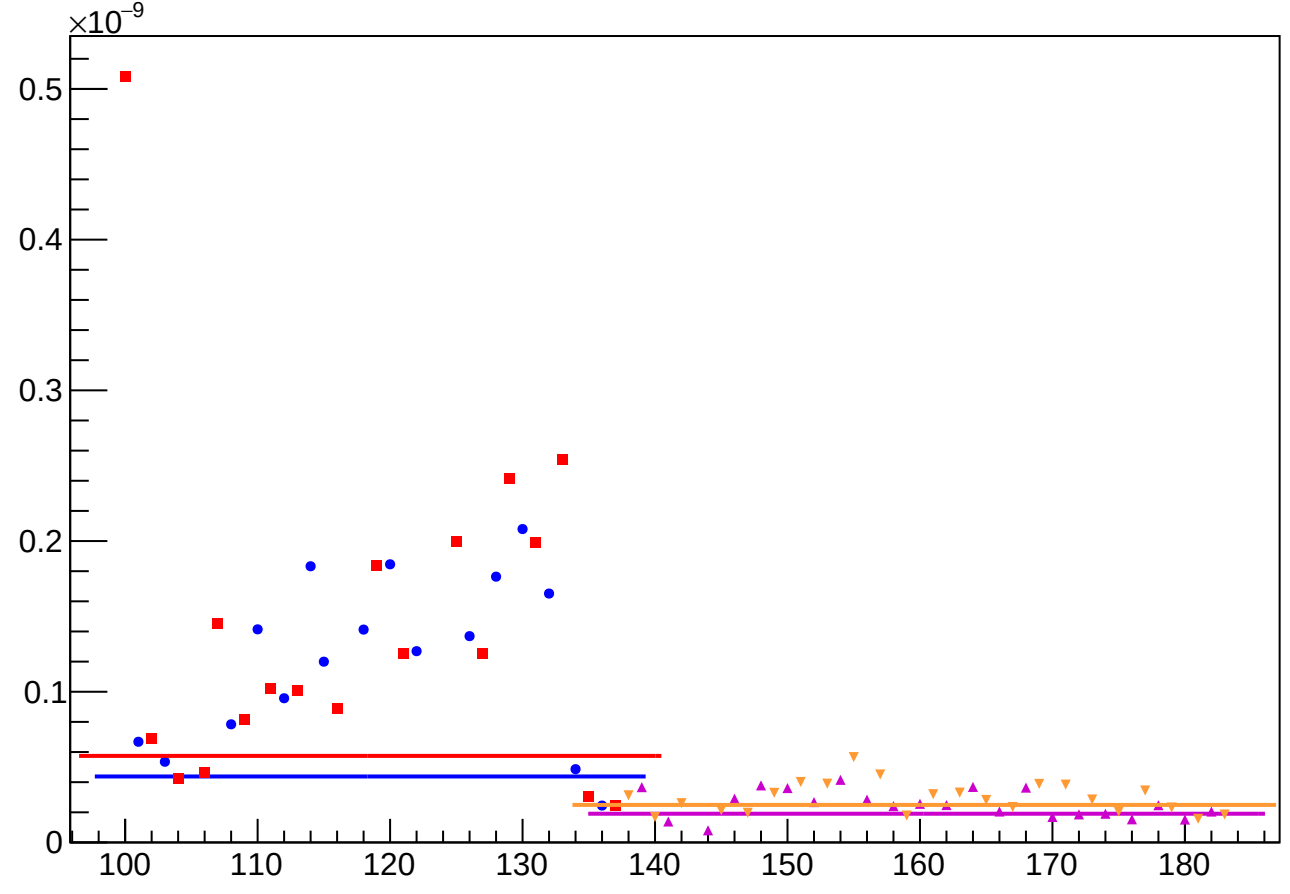
Left In: 2515.099+/-0.419 χ^2/NDF:109830.4/21

+ sign 2655.590+/-0.376 χ^2/NDF: 1111604.2/38

All: 2650.655+/-0.266 χ^2/NDF: 2228369.3/78

- sign 2645.693+/-0.377 χ^2/NDF: 1116419.8/39


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/22
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:30.7/21
+ sign 0.000+/-0.000 χ²/NDF: 24.7/38
All: -0.000+/-0.000 χ²/NDF: 71.8/78
- sign -0.000+/-0.000 χ²/NDF: 44.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354144.7/22

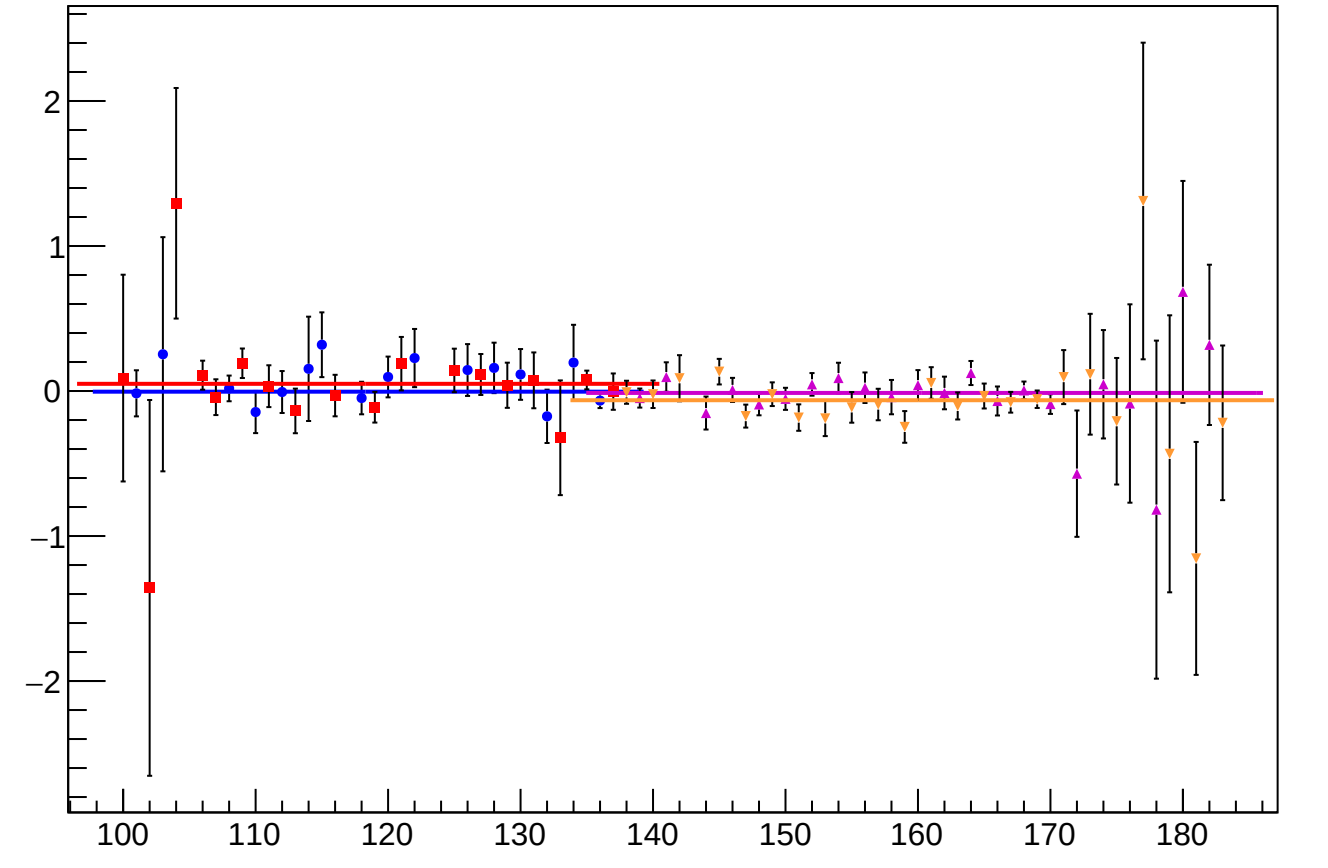
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2188991.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 4137739.9/38

All: 0.000+/-0.000 χ^2/NDF: 10345426.2/78

- sign 0.000+/-0.000 χ^2/NDF: 5783649.1/39



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:20.9/22

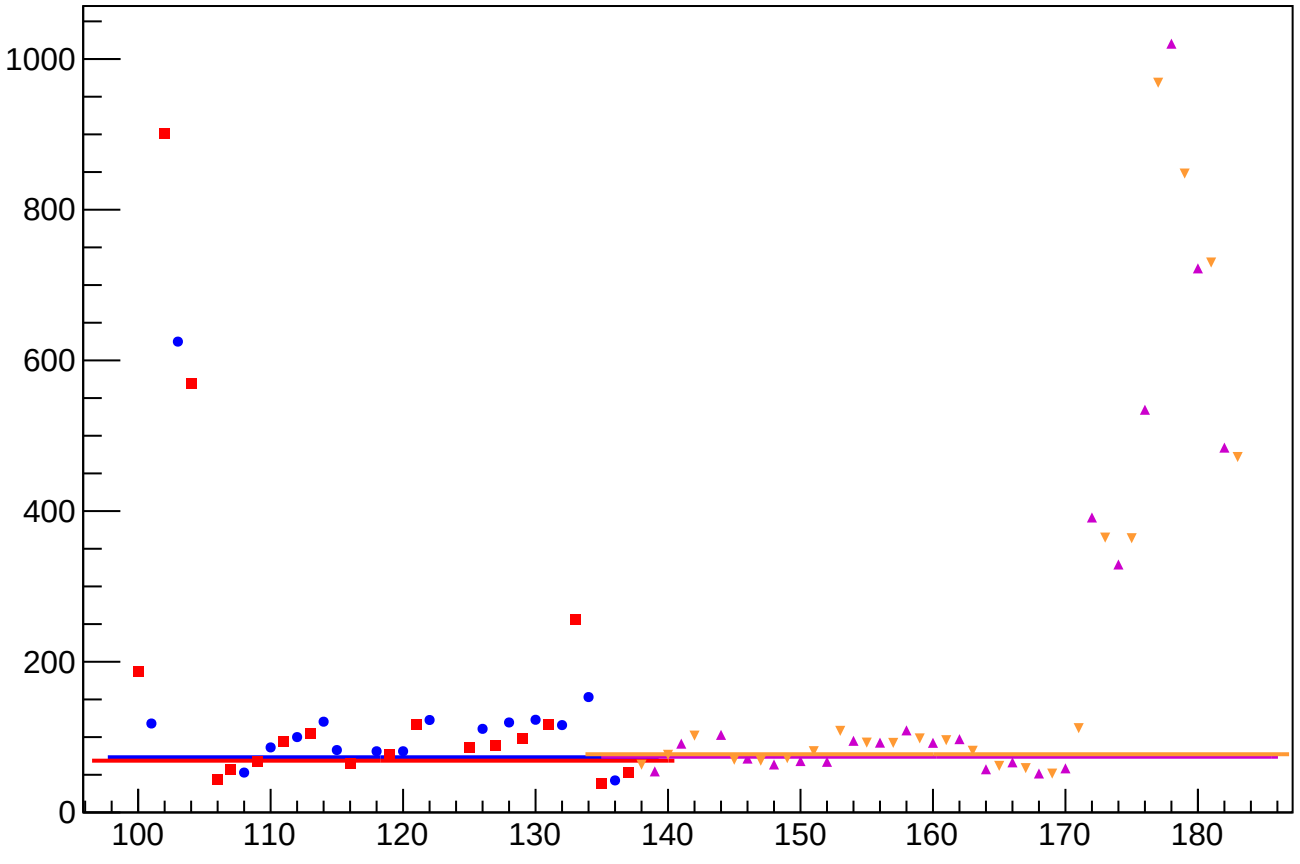
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:14.1/21

+ sign -0.045+/-0.018 χ^2/NDF: 33.5/38

All: -0.018+/-0.013 χ^2/NDF: 67.3/78

- sign 0.006+/-0.018 χ^2/NDF: 29.9/39



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003603.2/22

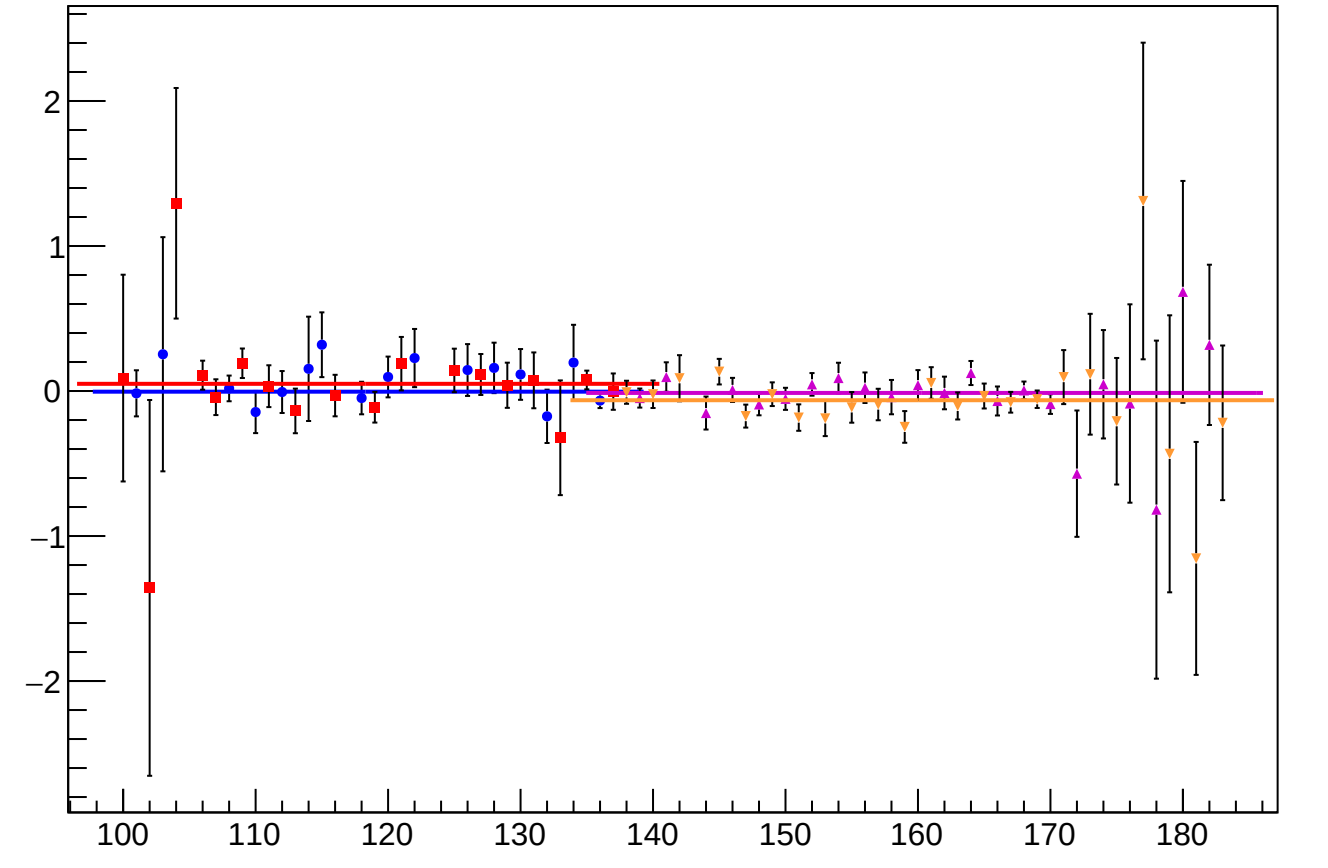
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.957+/-0.015 χ^2/NDF:8115075.6/21

+ sign 75.978+/-0.013 χ^2/NDF: 10879524.5/38

All: 74.094+/-0.009 χ^2/NDF: 22405317.1/78

- sign 72.344+/-0.012 χ^2/NDF: 11484618.3/39



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:20.9/22

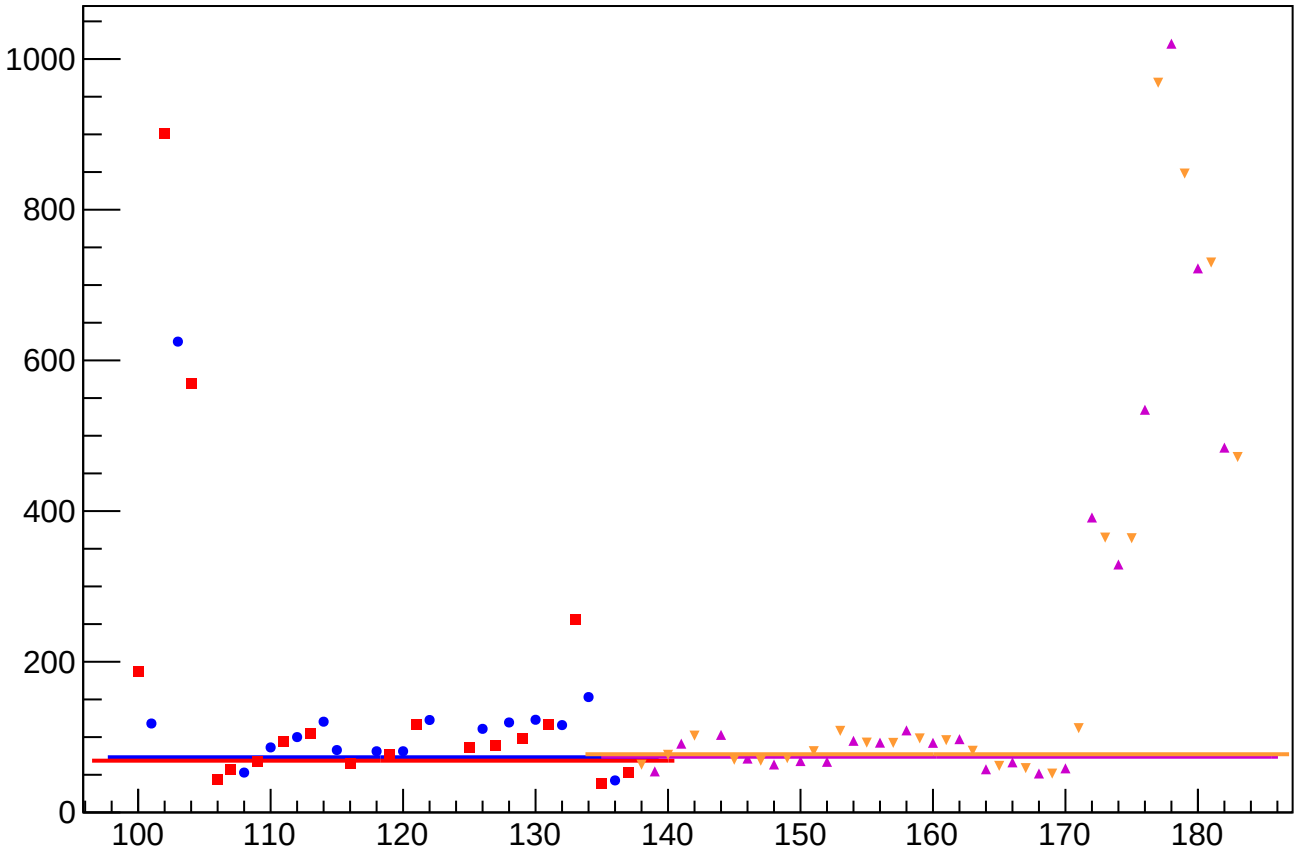
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:14.1/21

+ sign -0.045+/-0.018 χ^2/NDF: 33.5/38

All: -0.018+/-0.013 χ^2/NDF: 67.3/78

- sign 0.006+/-0.018 χ^2/NDF: 29.9/39



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003603.2/22

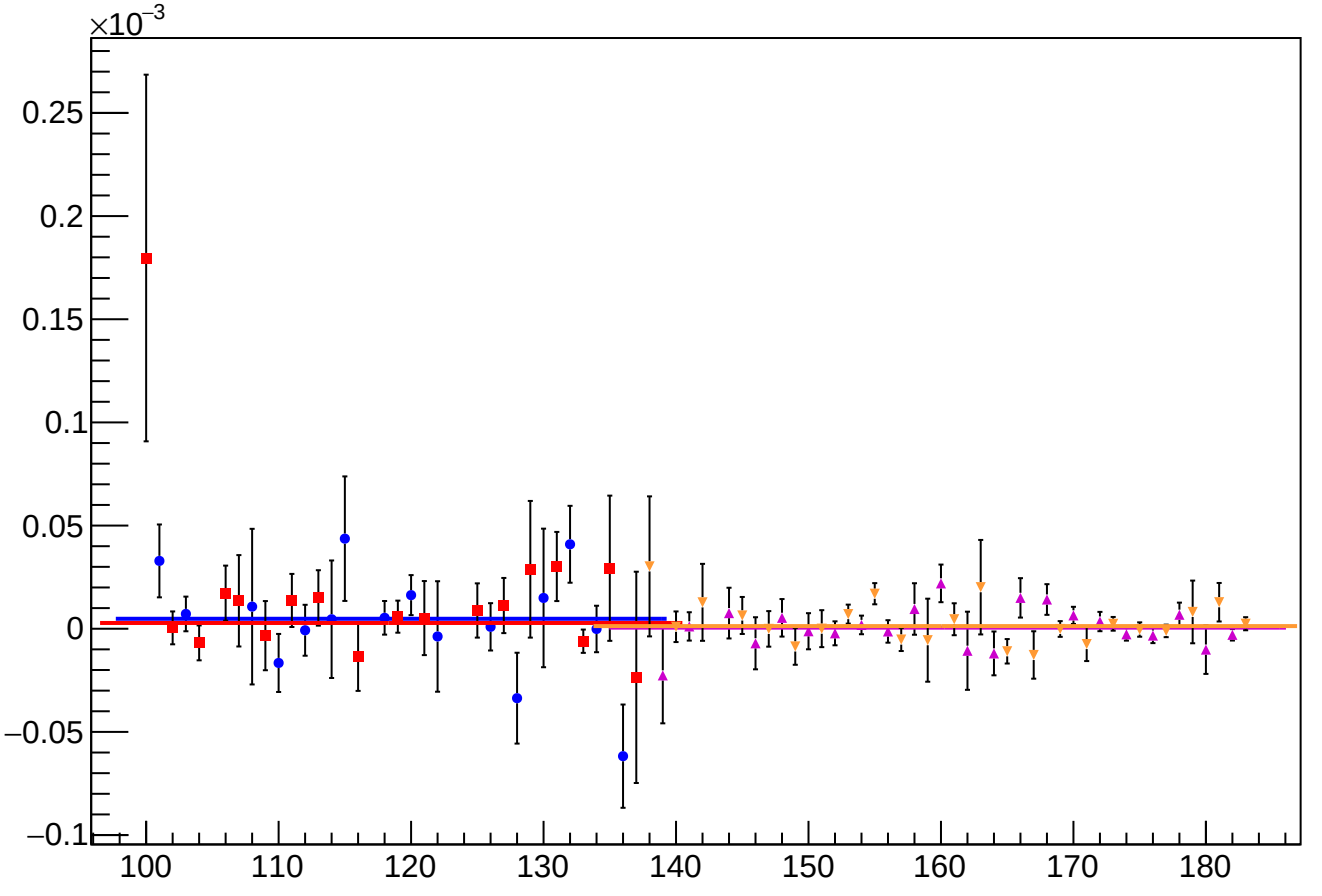
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.957+/-0.015 χ^2/NDF:8115075.6/21

+ sign 75.978+/-0.013 χ^2/NDF: 10879524.5/38

All: 74.094+/-0.009 χ^2/NDF: 22405317.1/78

- sign 72.344+/-0.012 χ^2/NDF: 11484618.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/22

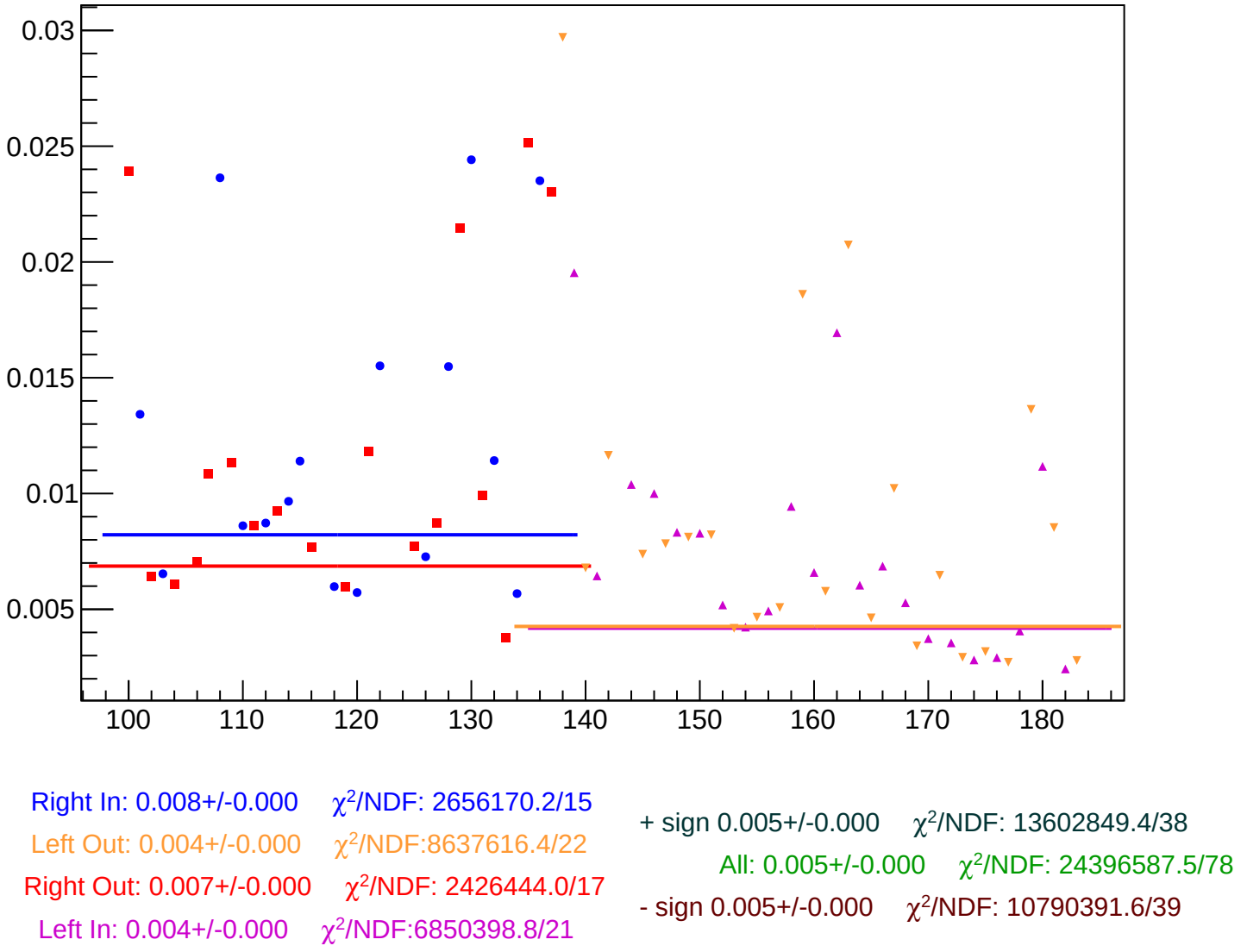
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

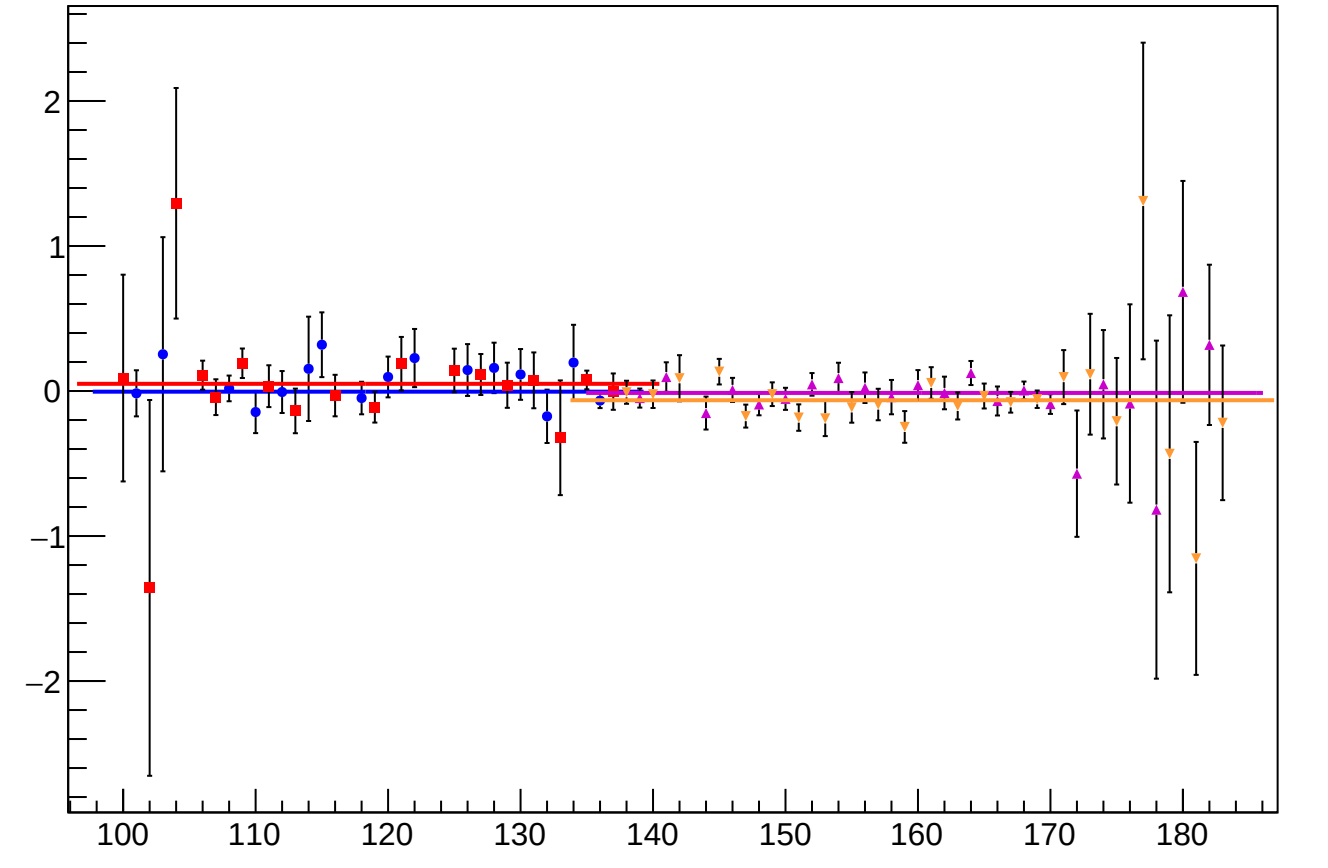
Left In: 0.000+/-0.000 χ^2/NDF:24.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/38

All: 0.000+/-0.000 χ^2/NDF: 90.9/78

- sign 0.000+/-0.000 χ^2/NDF: 41.4/39


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.004+/-0.000 χ²/NDF:8637616.4/22
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.004+/-0.000 χ²/NDF:6850398.8/21
+ sign 0.005+/-0.000 χ²/NDF: 13602849.4/38
All: 0.005+/-0.000 χ²/NDF: 24396587.5/78
- sign 0.005+/-0.000 χ²/NDF: 10790391.6/39



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:20.9/22

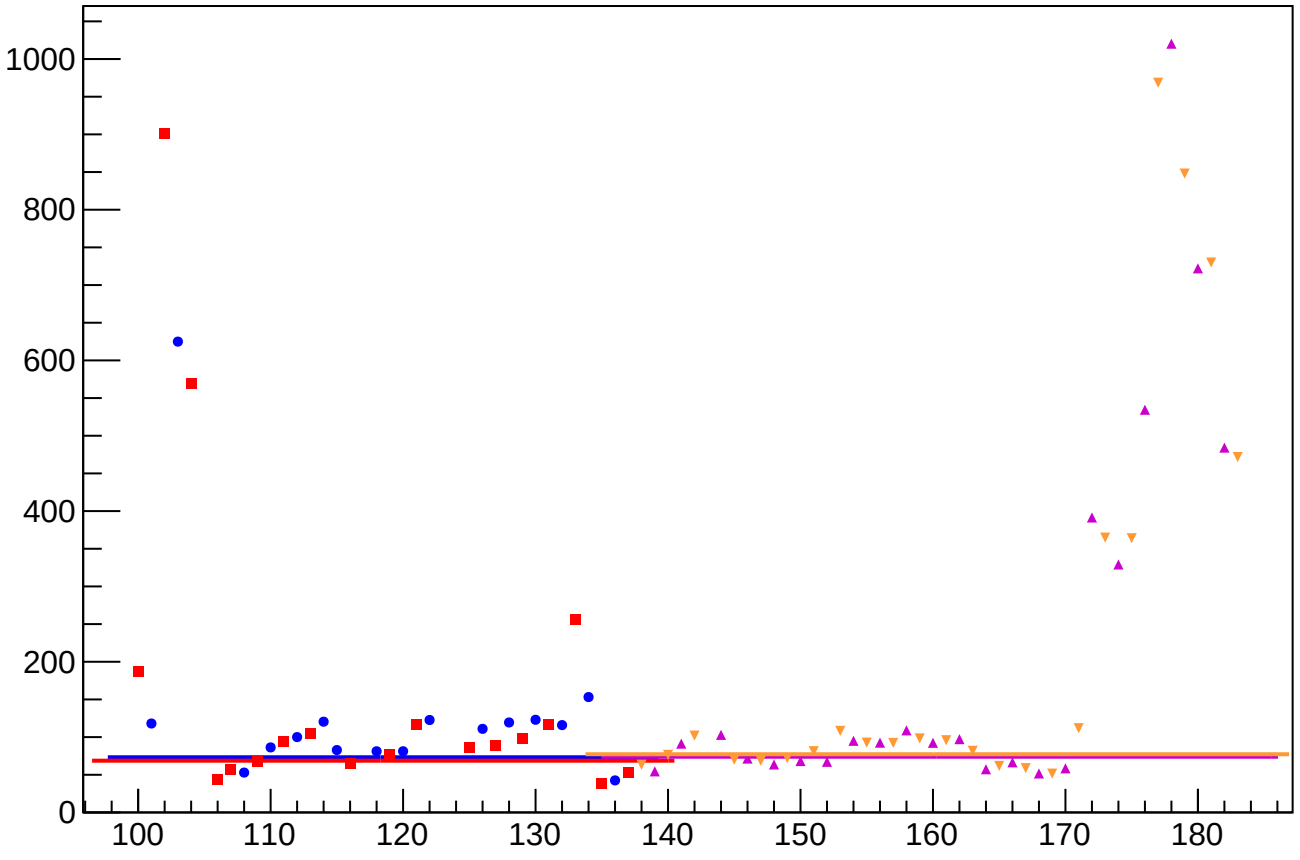
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:14.1/21

+ sign -0.045+/-0.018 χ^2/NDF: 33.5/38

All: -0.018+/-0.013 χ^2/NDF: 67.3/78

- sign 0.006+/-0.018 χ^2/NDF: 29.9/39



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003516.5/22

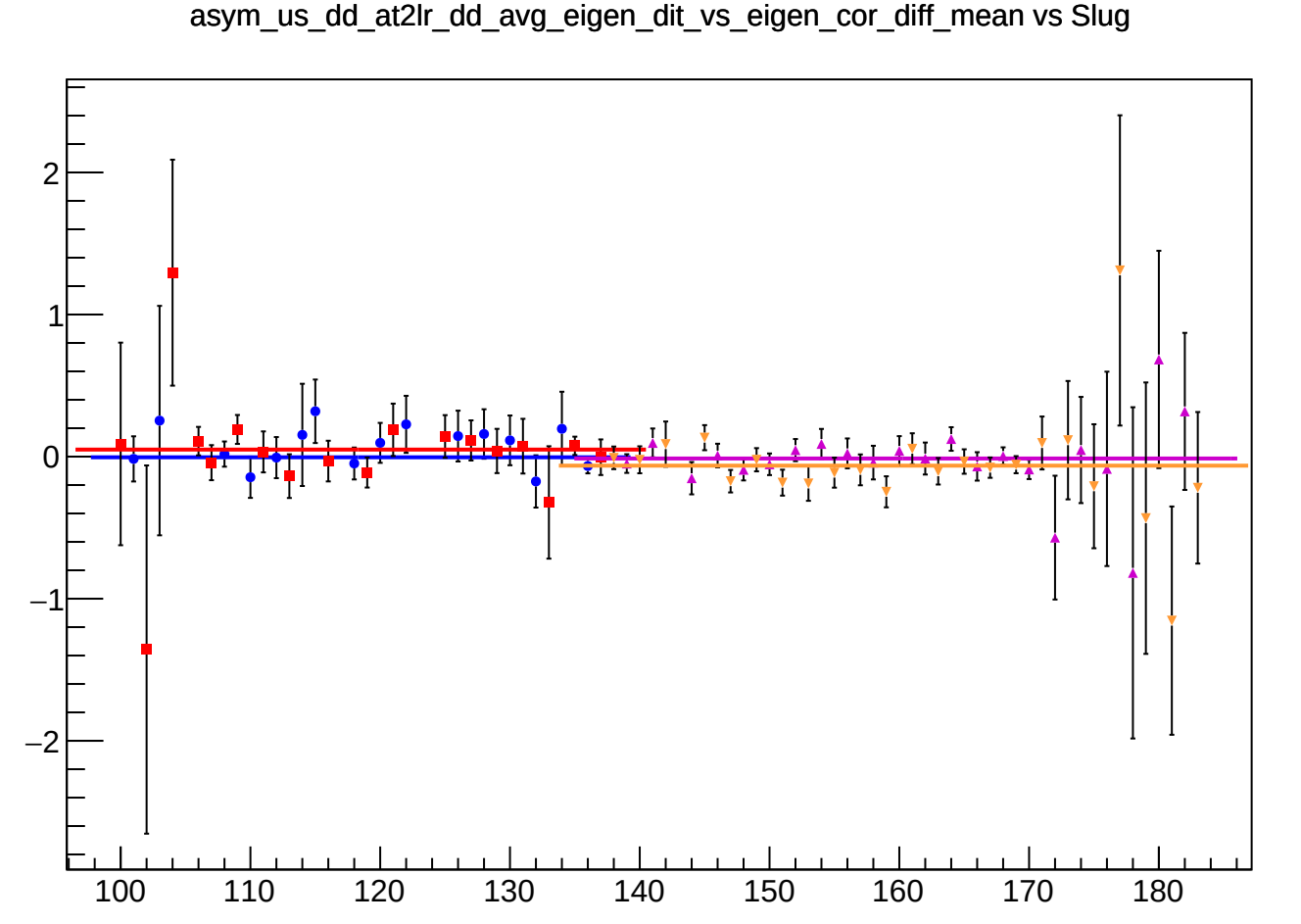
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.958+/-0.015 χ^2/NDF:8114790.3/21

+ sign 75.986+/-0.013 χ^2/NDF: 10876870.4/38

All: 74.097+/-0.009 χ^2/NDF: 22403809.5/78

- sign 72.341+/-0.012 χ^2/NDF: 11485517.7/39



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:20.9/22

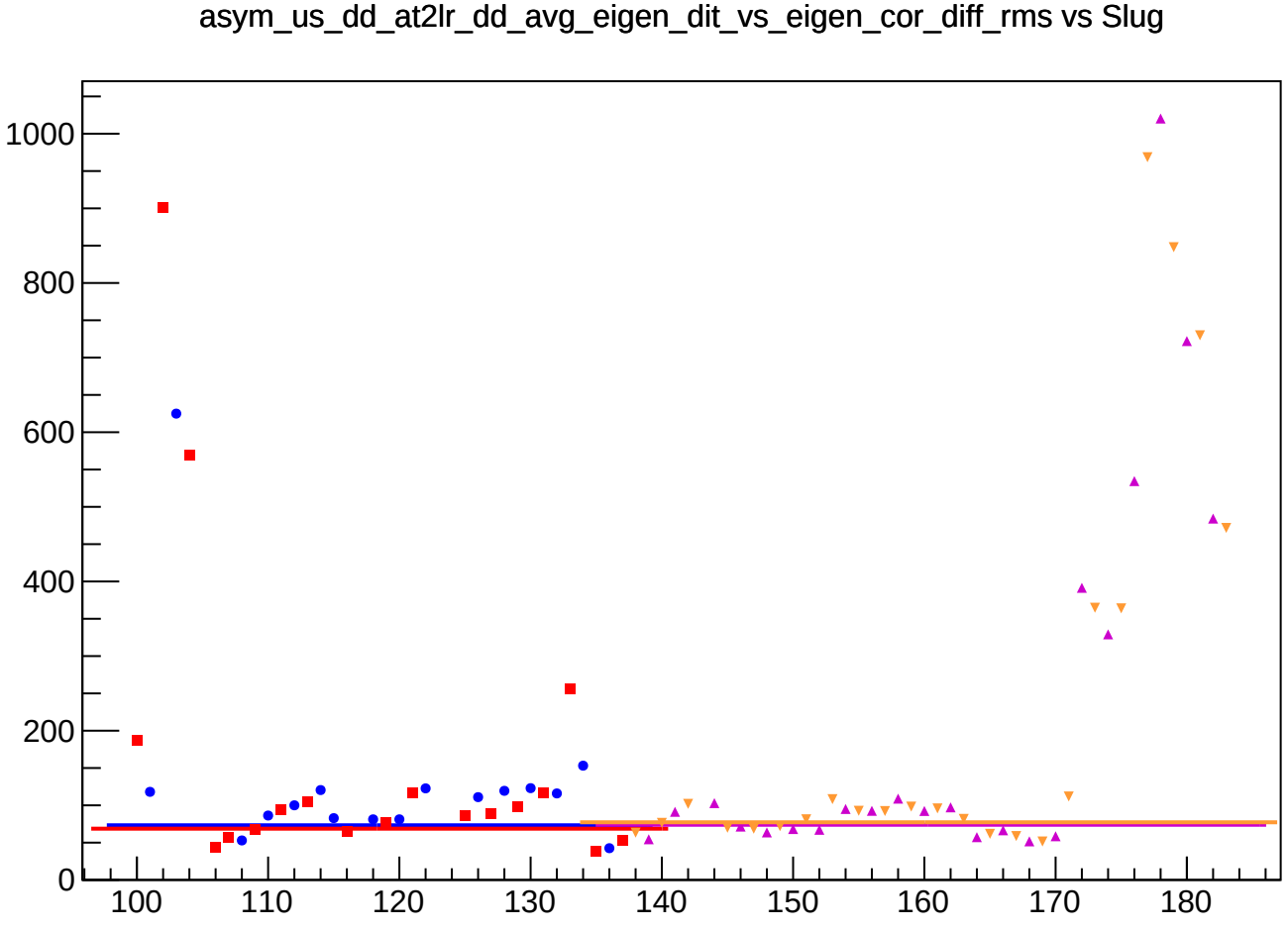
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:14.1/21

+ sign -0.045+/-0.018 χ^2/NDF: 33.5/38

All: -0.018+/-0.013 χ^2/NDF: 67.3/78

- sign 0.006+/-0.018 χ^2/NDF: 29.9/39



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003516.5/22

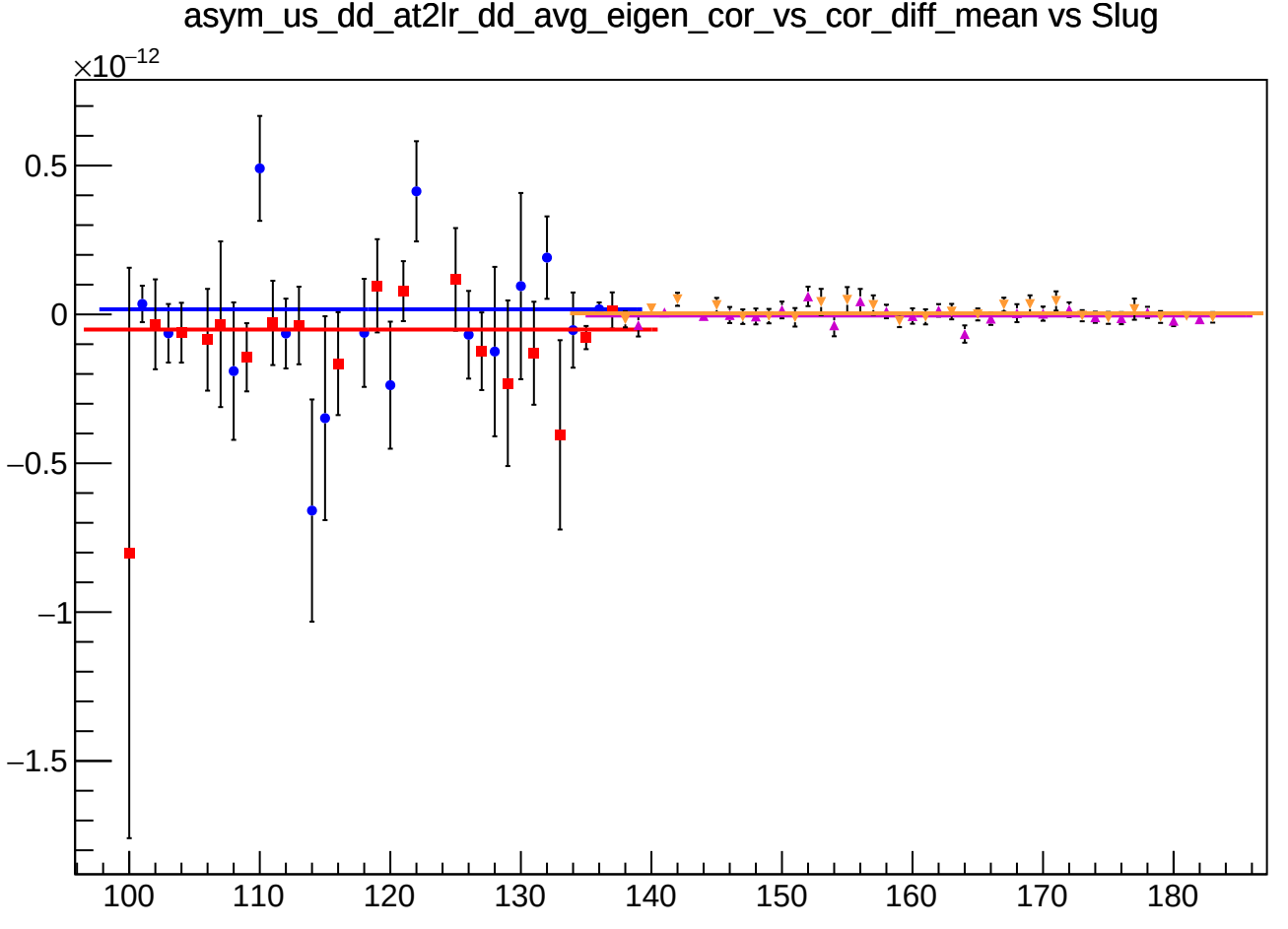
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.958+/-0.015 χ^2/NDF:8114790.3/21

+ sign 75.986+/-0.013 χ^2/NDF: 10876870.4/38

All: 74.097+/-0.009 χ^2/NDF: 22403809.5/78

- sign 72.341+/-0.012 χ^2/NDF: 11485517.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/22

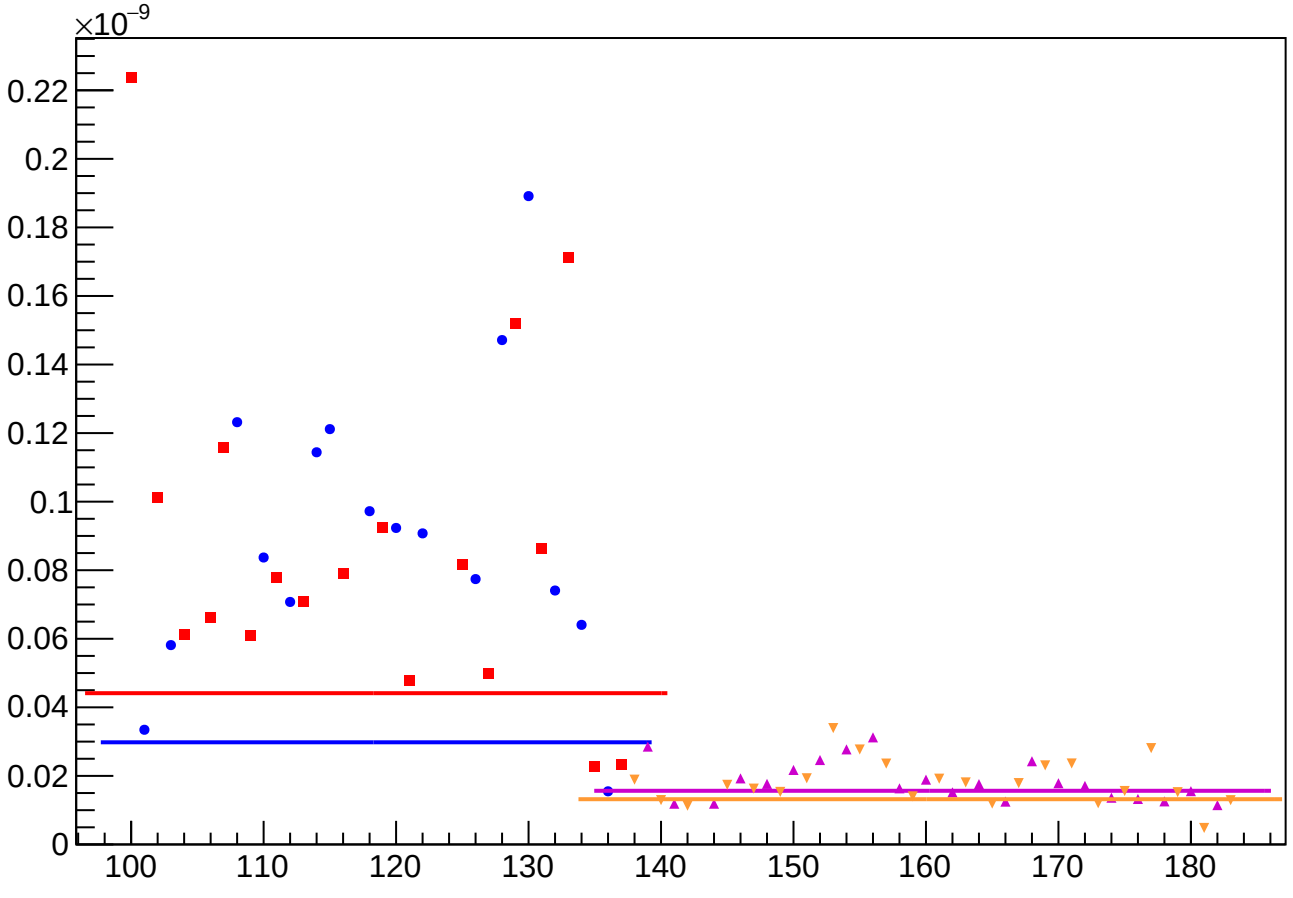
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:16.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 43.3/38

All: -0.000+/-0.000 χ^2/NDF: 74.6/78

- sign -0.000+/-0.000 χ^2/NDF: 28.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4236983.1/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

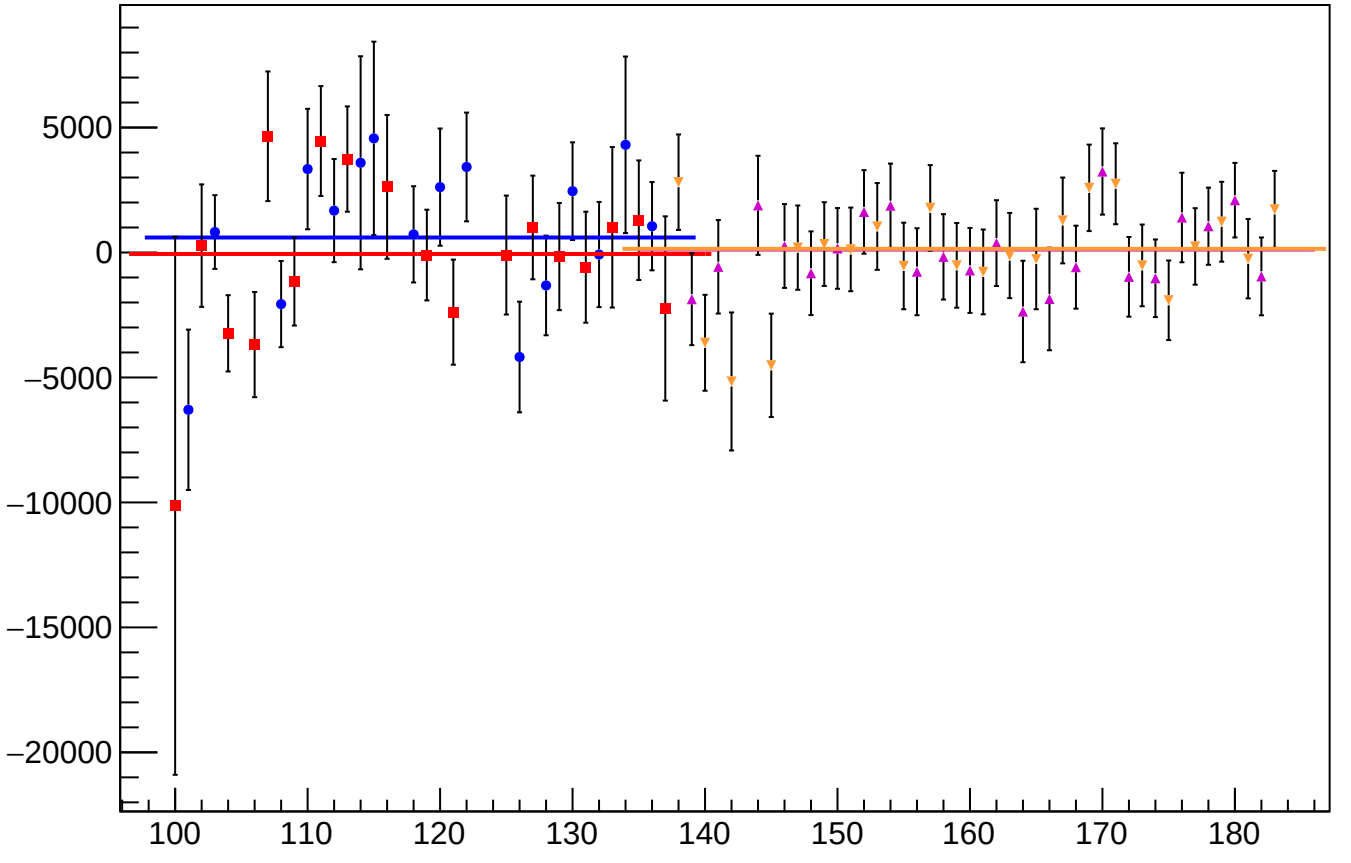
Left In: 0.000+/-0.000 χ^2/NDF:1761182.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 9718337.2/38

All: 0.000+/-0.000 χ^2/NDF: 17156910.2/78

- sign 0.000+/-0.000 χ^2/NDF: 7082176.3/39

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 146.231+/-359.618 χ^2/NDF:24.9/22

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

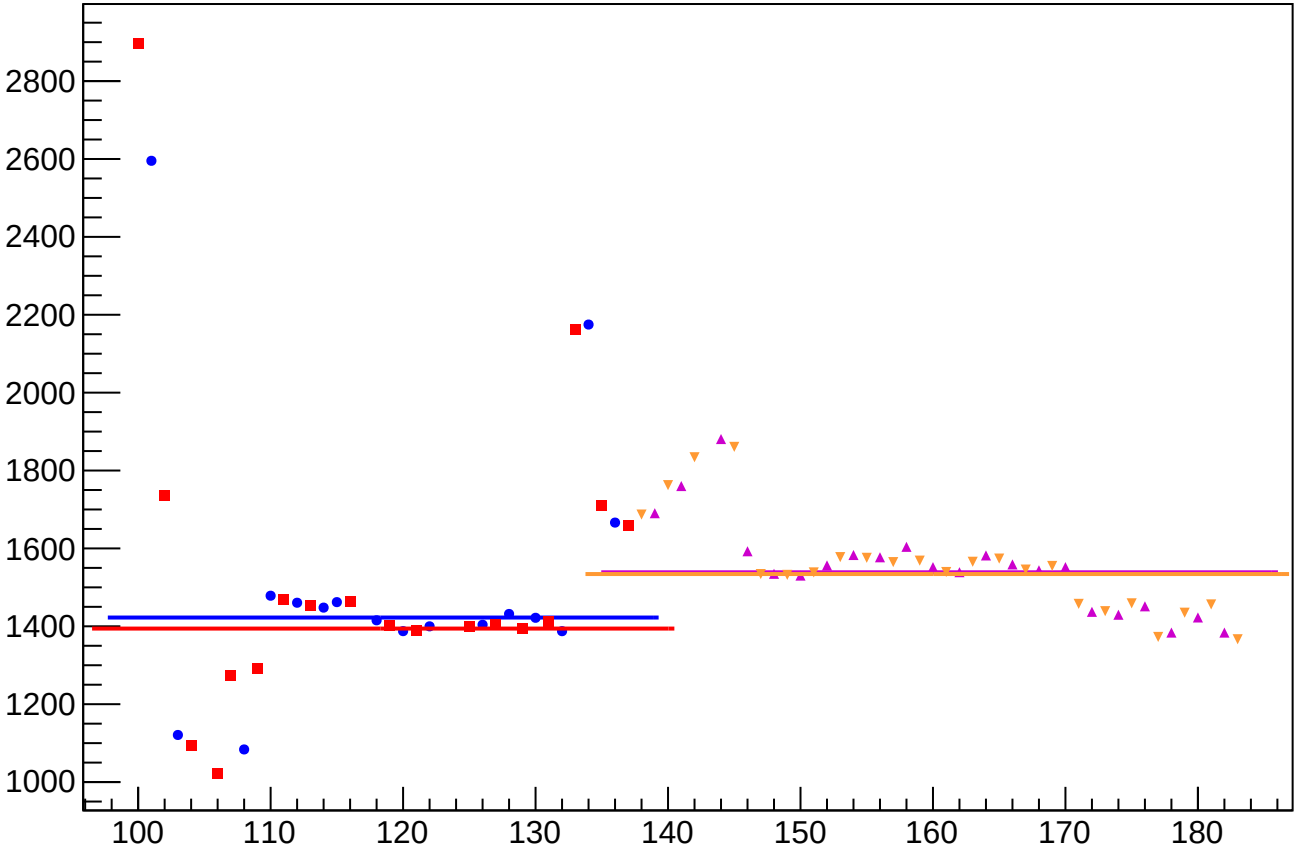
Left In: 119.225+/-363.208 χ^2/NDF:14.9/21

+ sign 285.673+/-299.327 χ^2/NDF: 45.7/38

All: 174.091+/-211.768 χ^2/NDF: 83.4/78

- sign 62.273+/-299.643 χ^2/NDF: 37.5/39

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1534.199+/-0.254 χ^2/NDF:194591.4/22

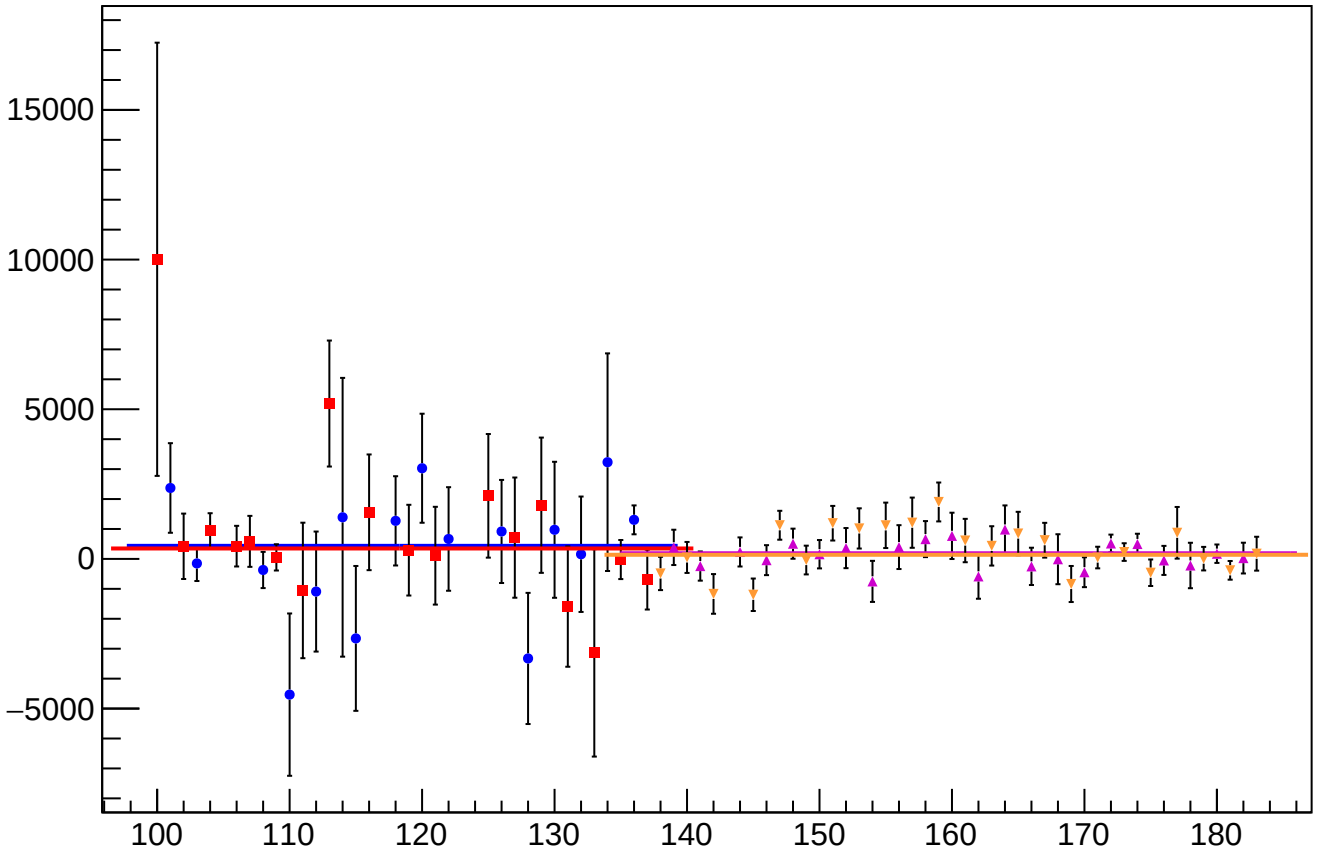
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1538.705+/-0.257 χ^2/NDF:184946.7/21

+ sign 1499.890+/-0.212 χ^2/NDF: 814109.1/38

All: 1496.220+/-0.150 χ^2/NDF: 1494477.6/78

- sign 1492.542+/-0.212 χ^2/NDF: 679766.5/39



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 138.142+/-105.791 χ^2/NDF:41.8/22

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

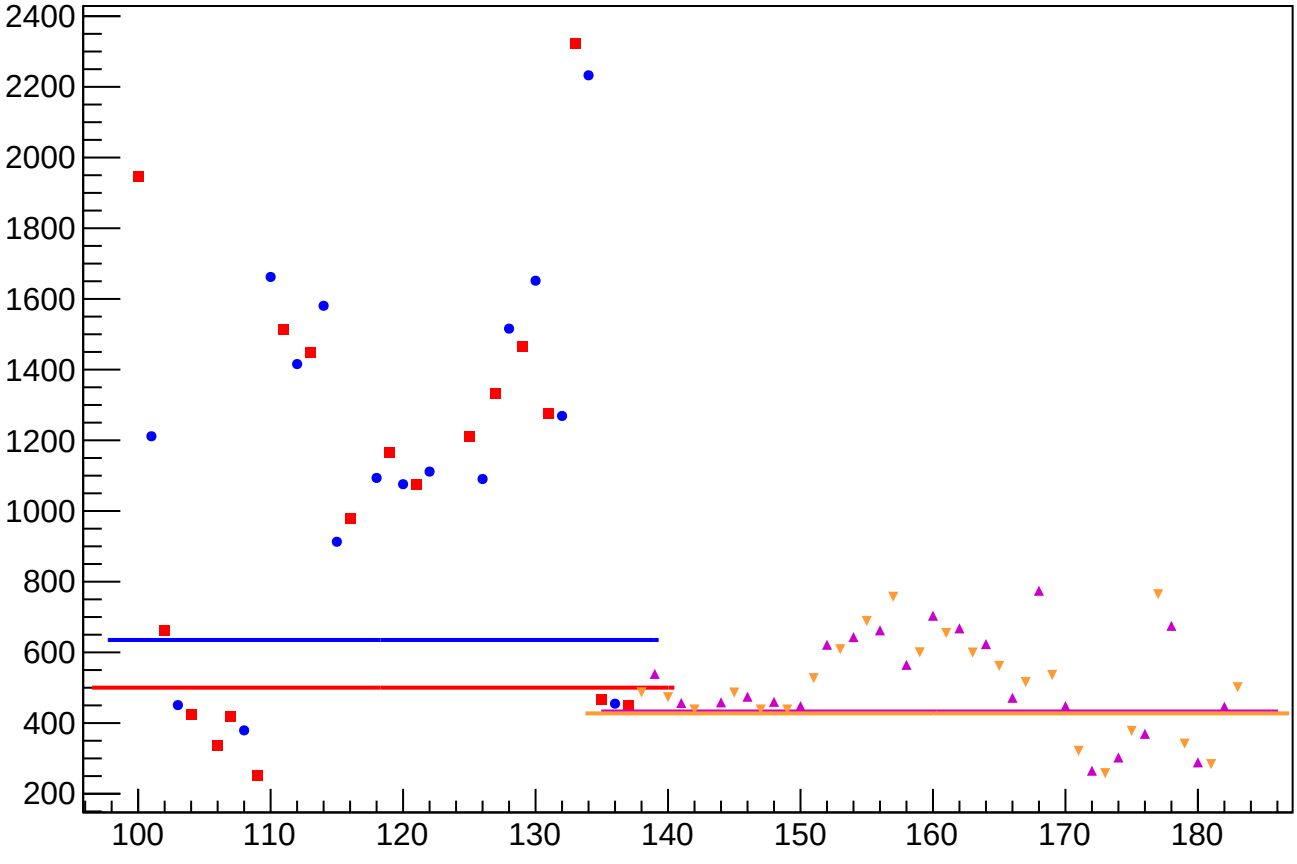
Left In: 188.528+/-107.818 χ^2/NDF:11.6/21

+ sign 176.382+/-98.779 χ^2/NDF: 62.2/38

All: 196.673+/-69.536 χ^2/NDF: 88.1/78

- sign 216.605+/-97.905 χ^2/NDF: 25.9/39

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 427.440+/-0.075 χ^2/NDF:3186340.3/22

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

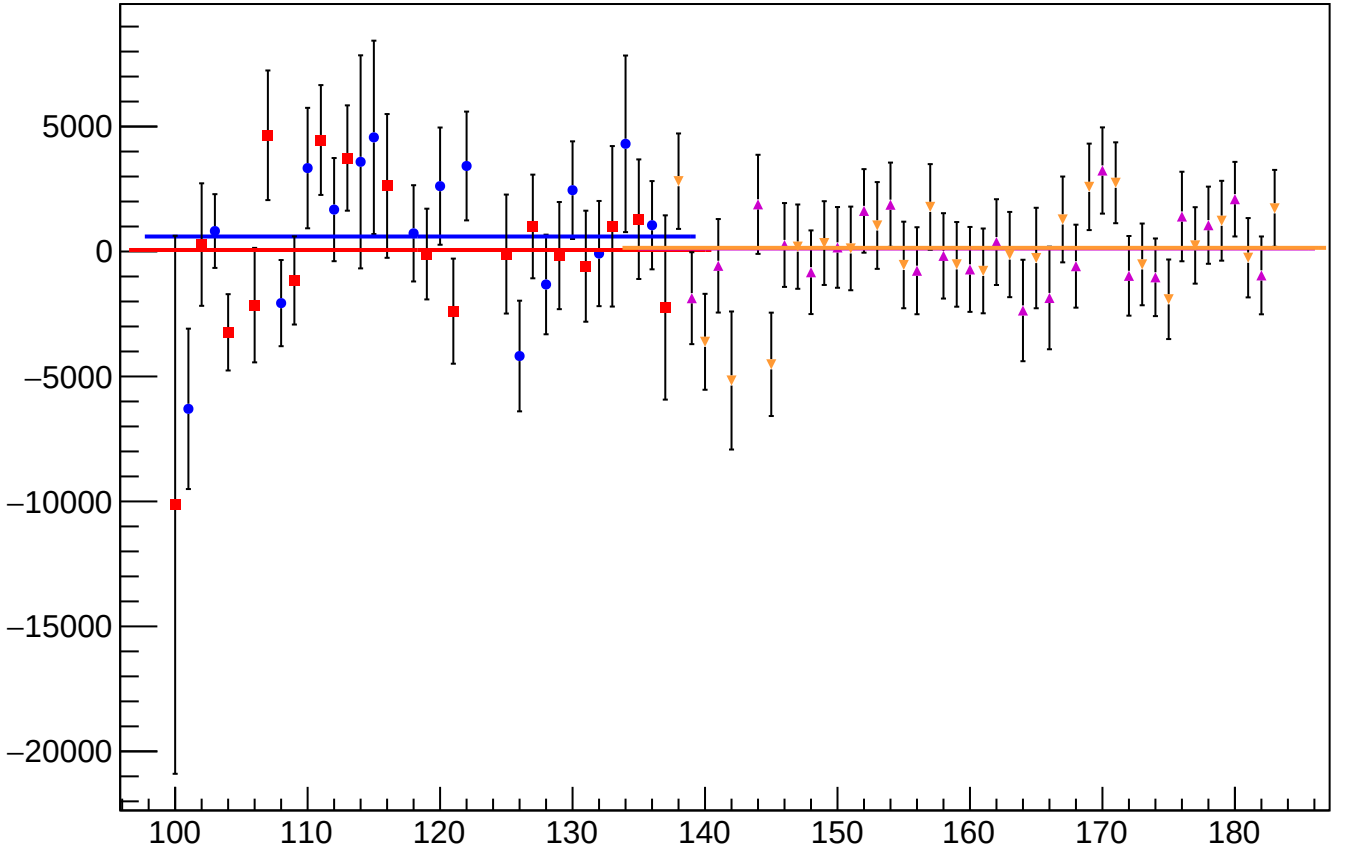
Left In: 432.761+/-0.076 χ^2/NDF:3244990.5/21

+ sign 454.059+/-0.070 χ^2/NDF: 7926930.4/38

All: 449.287+/-0.049 χ^2/NDF: 15627670.8/78

- sign 444.598+/-0.069 χ^2/NDF: 7691484.8/39

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 146.200+/-359.618 χ^2/NDF:24.9/22

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

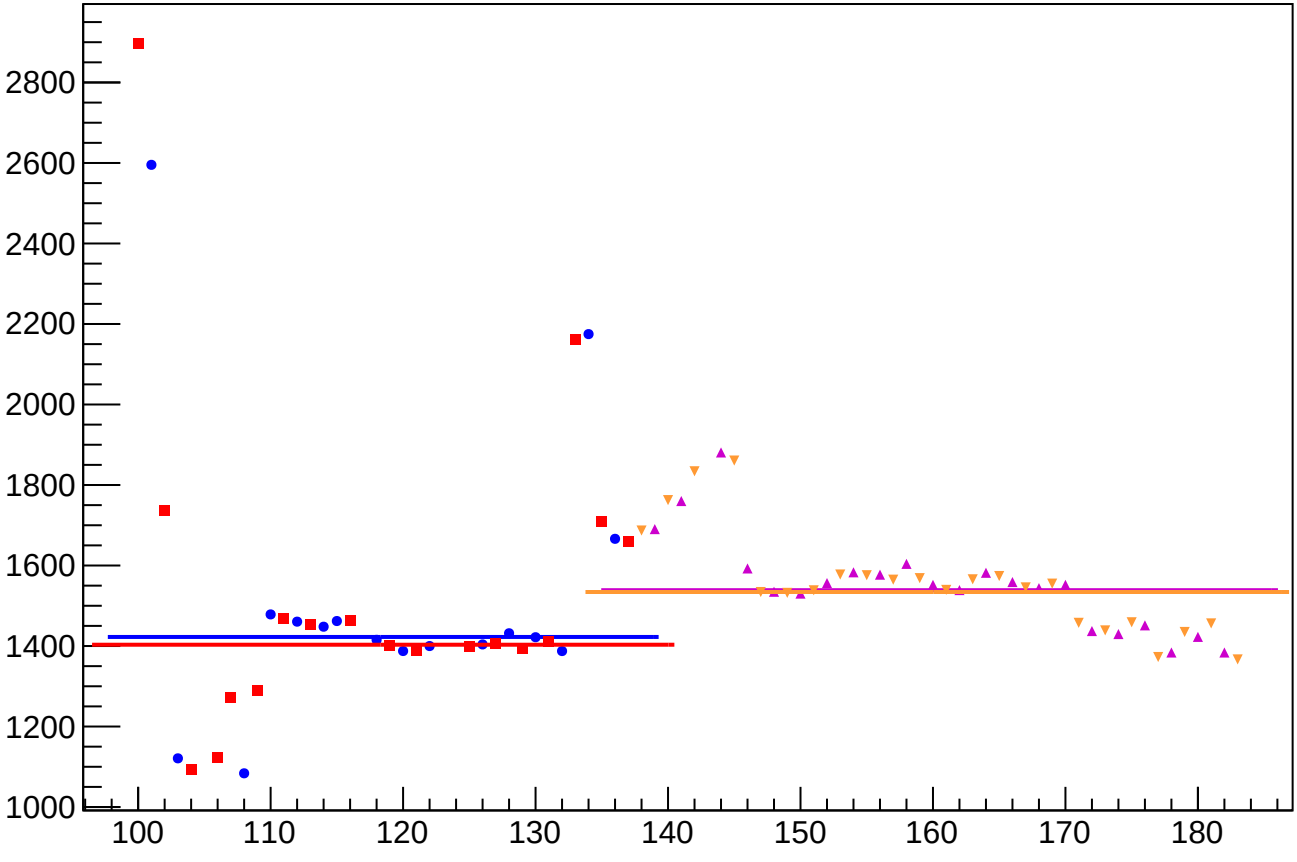
Left In: 119.290+/-363.208 χ^2/NDF:14.9/21

+ sign 285.612+/-299.327 χ^2/NDF: 45.7/38

All: 193.346+/-211.934 χ^2/NDF: 81.1/78

- sign 100.595+/-300.114 χ^2/NDF: 35.2/39

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1534.199+/-0.254 χ^2/NDF:194591.3/22

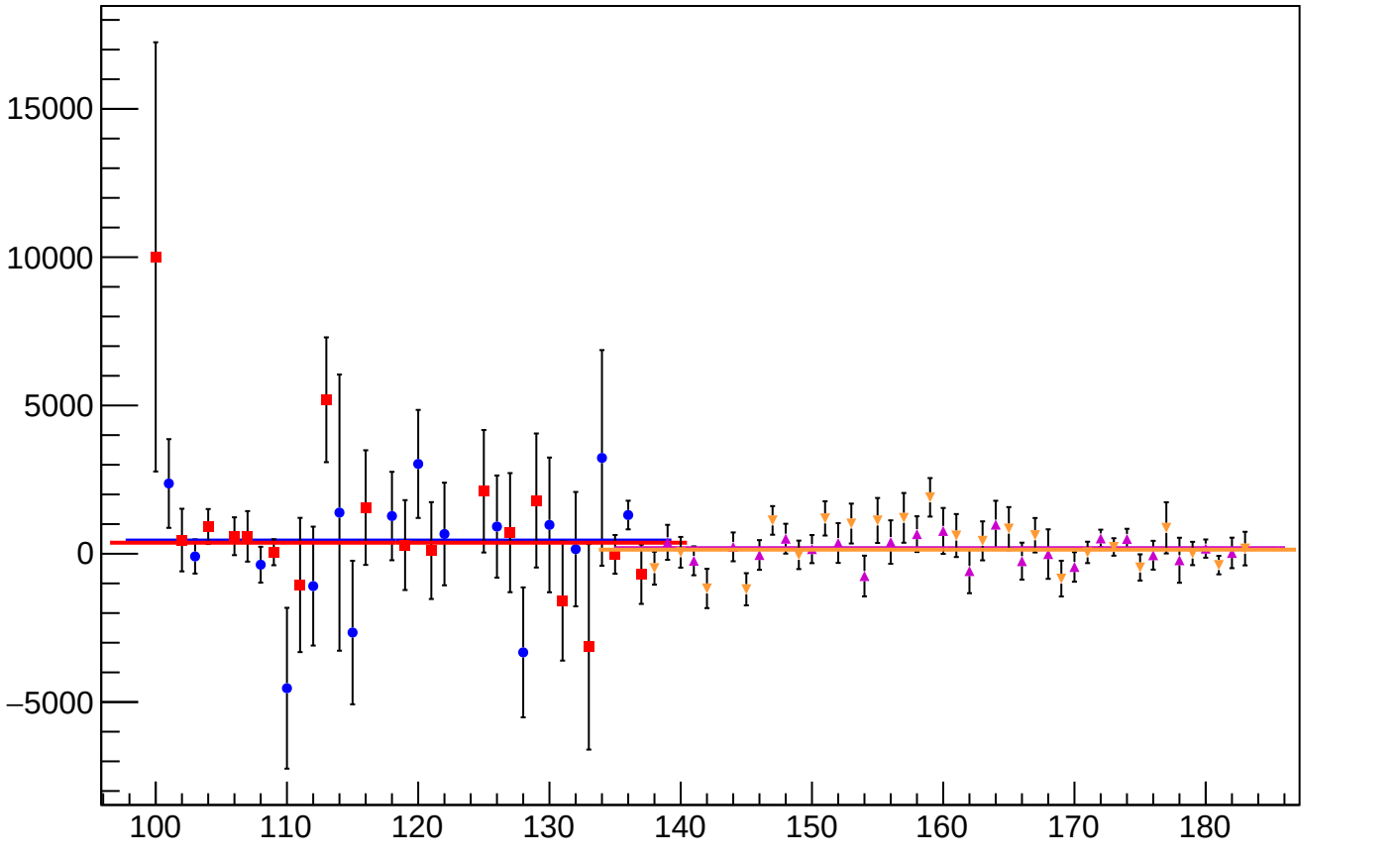
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1538.705+/-0.257 χ^2/NDF:184946.7/21

+ sign 1499.890+/-0.212 χ^2/NDF: 814109.5/38

All: 1497.811+/-0.150 χ^2/NDF: 1446651.9/78

- sign 1495.722+/-0.212 χ^2/NDF: 632349.1/39



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 138.140+/-105.791 χ^2/NDF:41.8/22

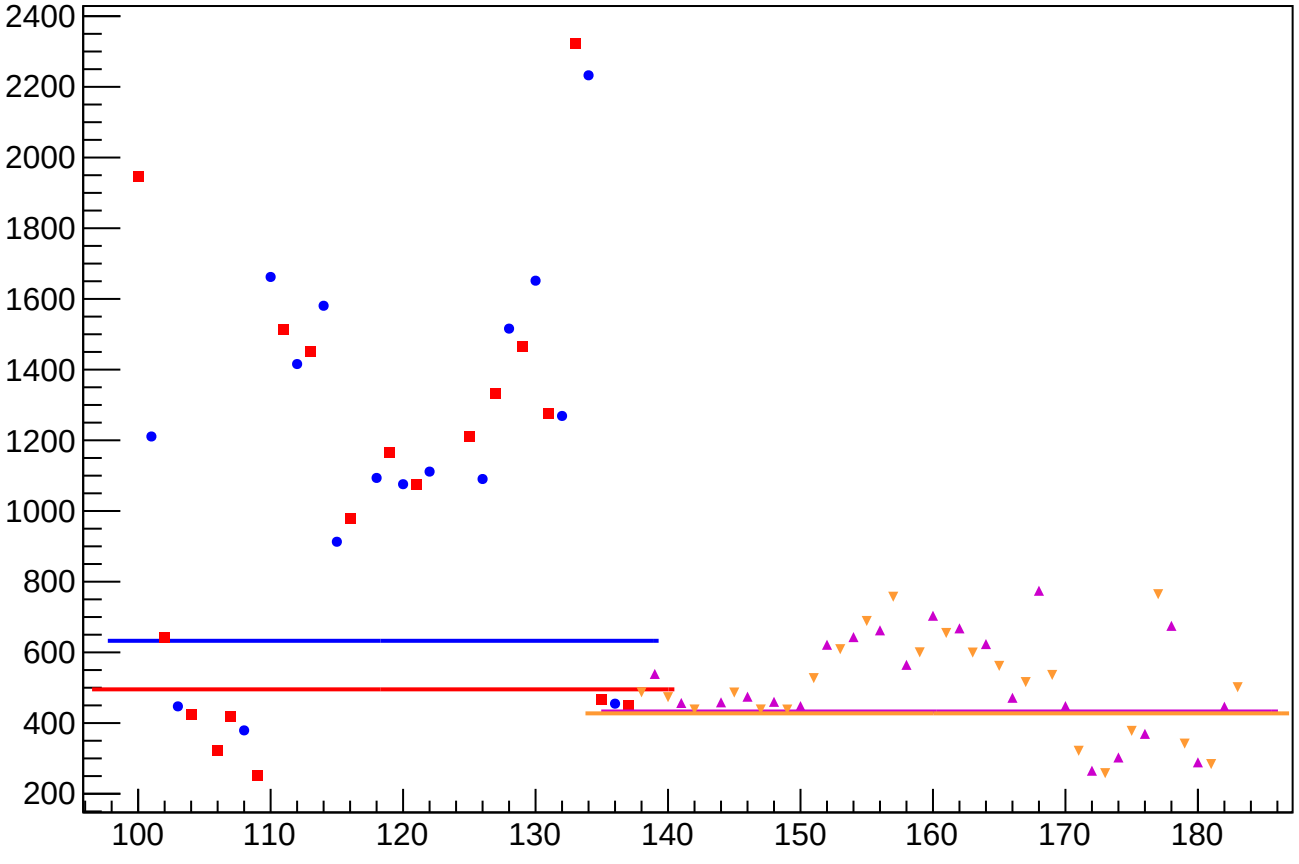
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 188.737+/-107.819 χ^2/NDF:11.6/21

+ sign 177.780+/-98.725 χ^2/NDF: 62.1/38

All: 199.879+/-69.454 χ^2/NDF: 88.3/78

- sign 221.533+/-97.727 χ^2/NDF: 26.1/39



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 427.439+/-0.075 χ^2/NDF:3186575.1/22

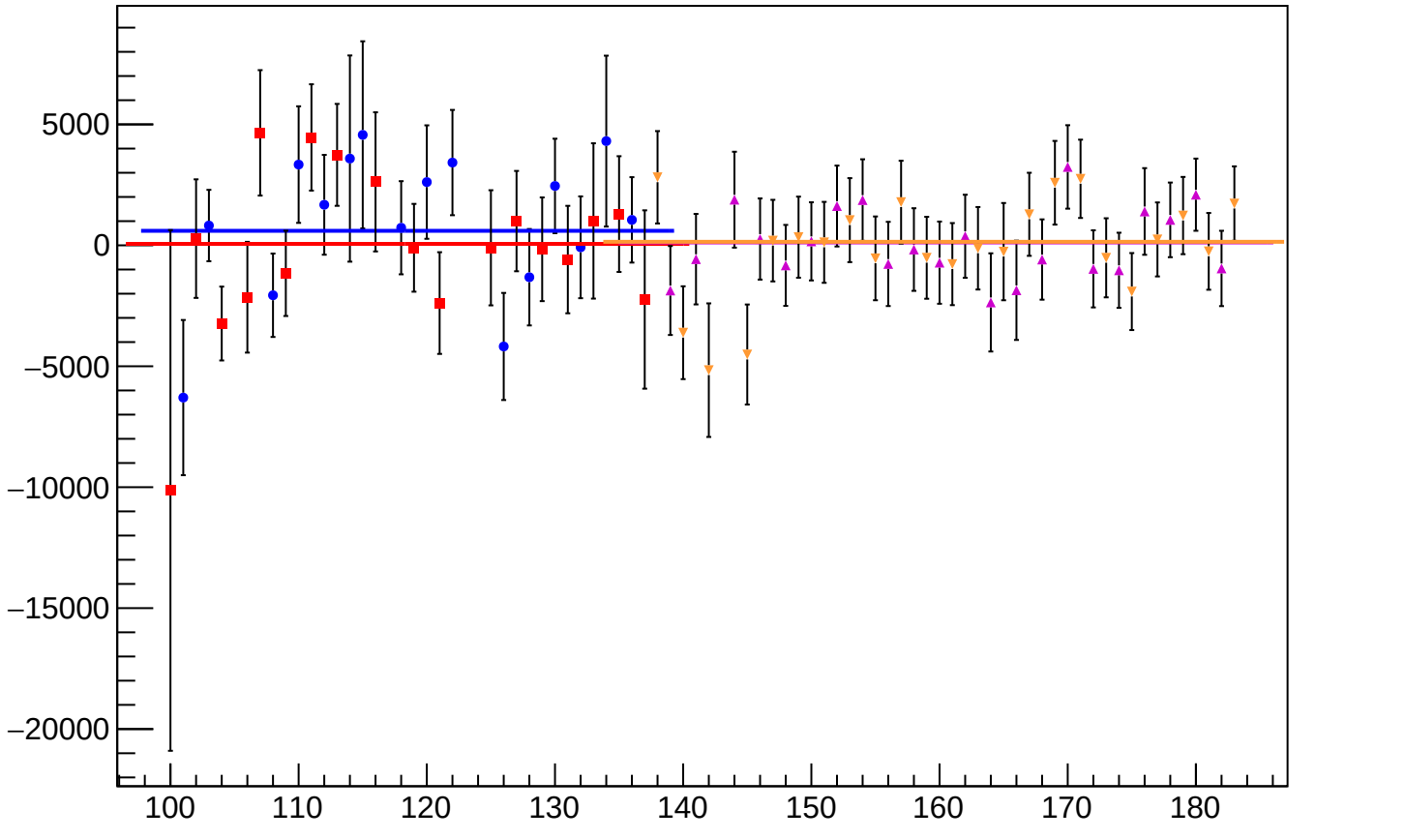
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.764+/-0.076 χ^2/NDF:3244871.9/21

+ sign 453.951+/-0.070 χ^2/NDF: 7927018.4/38

All: 448.893+/-0.049 χ^2/NDF: 15640133.1/78

- sign 443.937+/-0.069 χ^2/NDF: 7702720.5/39



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 146.200+/-359.618 χ^2/NDF:24.9/22

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

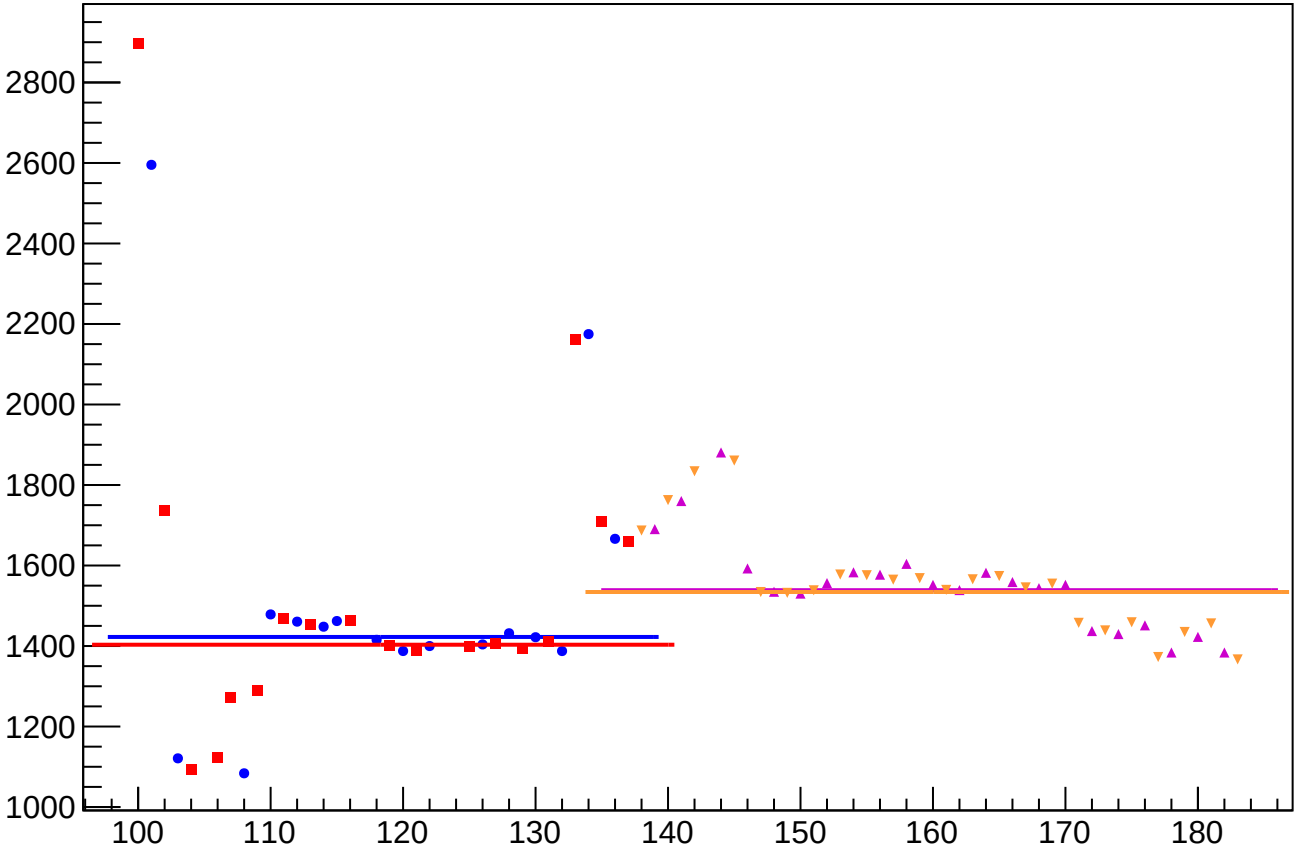
Left In: 119.290+/-363.208 χ^2/NDF:14.9/21

+ sign 285.612+/-299.327 χ^2/NDF: 45.7/38

All: 193.346+/-211.934 χ^2/NDF: 81.1/78

- sign 100.595+/-300.114 χ^2/NDF: 35.2/39

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1534.199+/-0.254 χ^2/NDF:194591.3/22

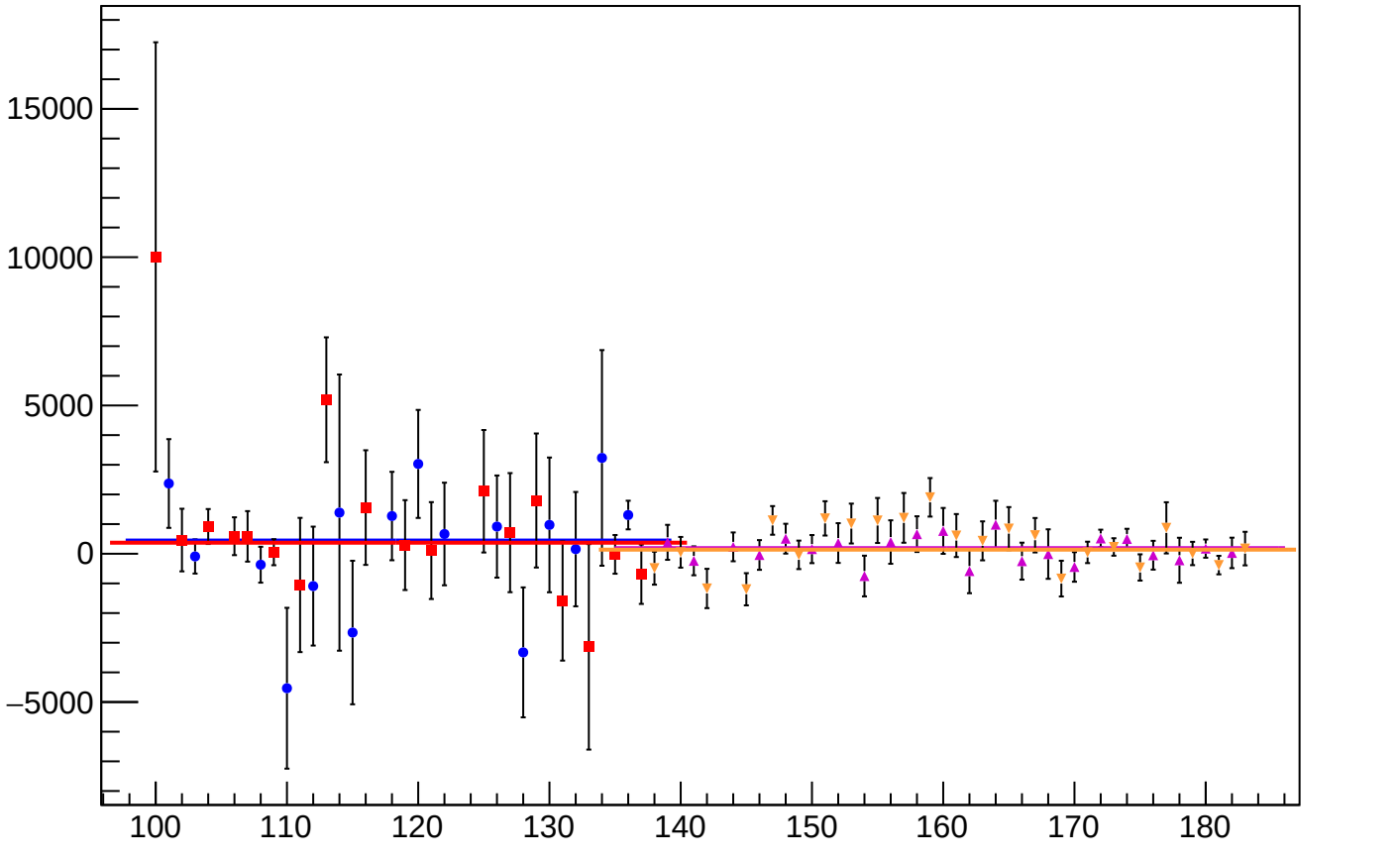
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1538.705+/-0.257 χ^2/NDF:184946.7/21

+ sign 1499.890+/-0.212 χ^2/NDF: 814109.5/38

All: 1497.811+/-0.150 χ^2/NDF: 1446651.9/78

- sign 1495.722+/-0.212 χ^2/NDF: 632349.1/39



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 138.140+/-105.791 χ^2/NDF:41.8/22

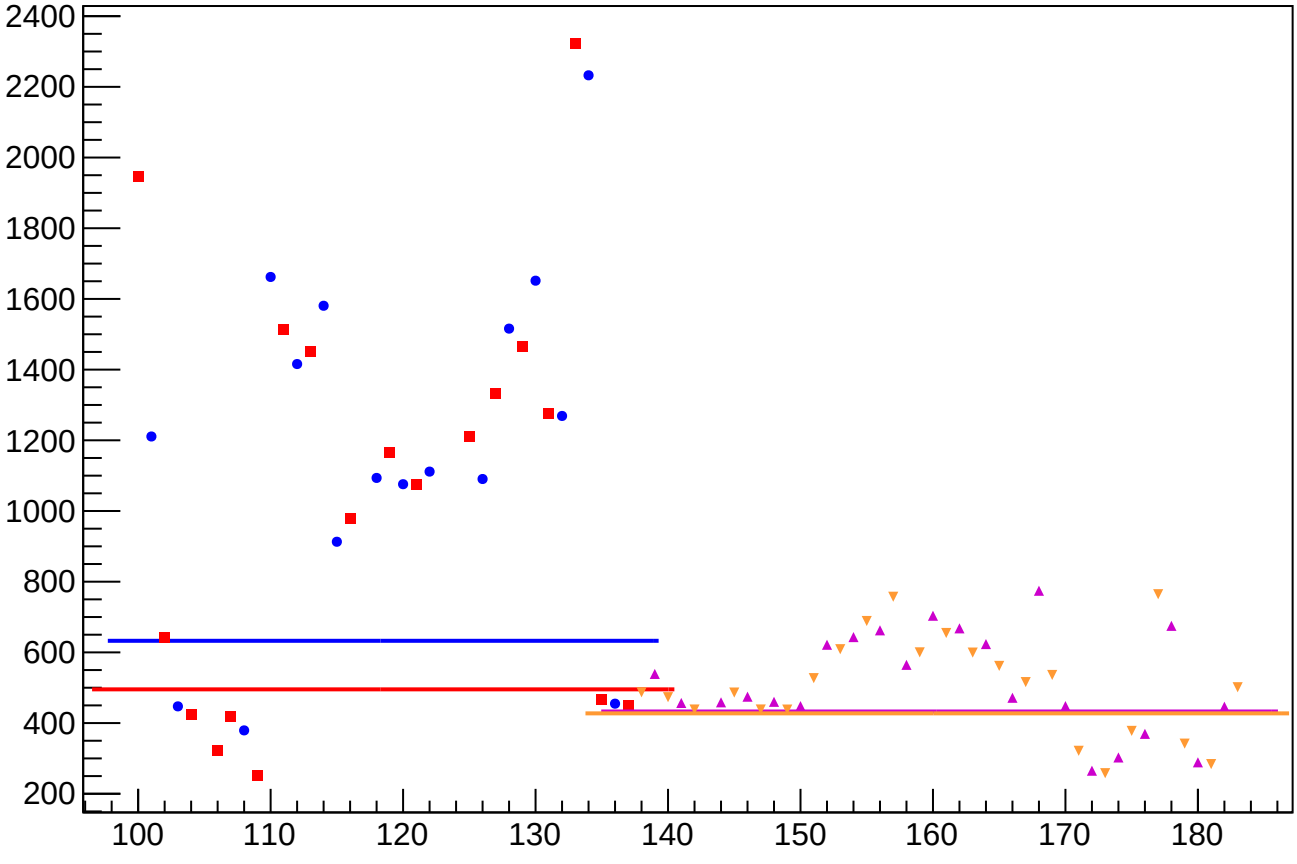
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 188.737+/-107.819 χ^2/NDF:11.6/21

+ sign 177.780+/-98.725 χ^2/NDF: 62.1/38

All: 199.879+/-69.454 χ^2/NDF: 88.3/78

- sign 221.533+/-97.727 χ^2/NDF: 26.1/39



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 427.439+/-0.075 χ^2/NDF:3186575.1/22

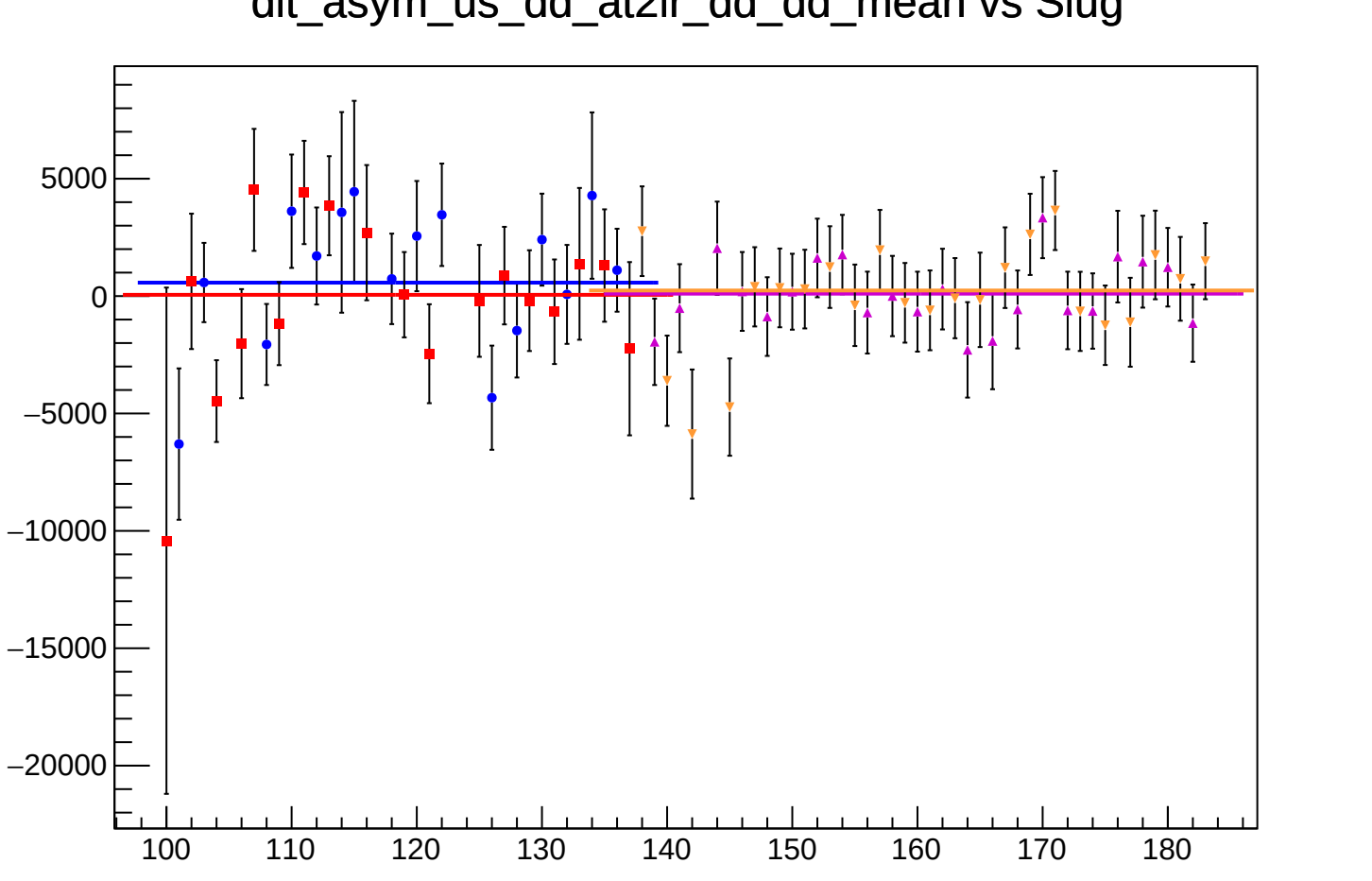
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.764+/-0.076 χ^2/NDF:3244871.9/21

+ sign 453.951+/-0.070 χ^2/NDF: 7927018.4/38

All: 448.893+/-0.049 χ^2/NDF: 15640133.1/78

- sign 443.937+/-0.069 χ^2/NDF: 7702720.5/39



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 238.014+/-371.656 χ^2/NDF:27.5/22

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

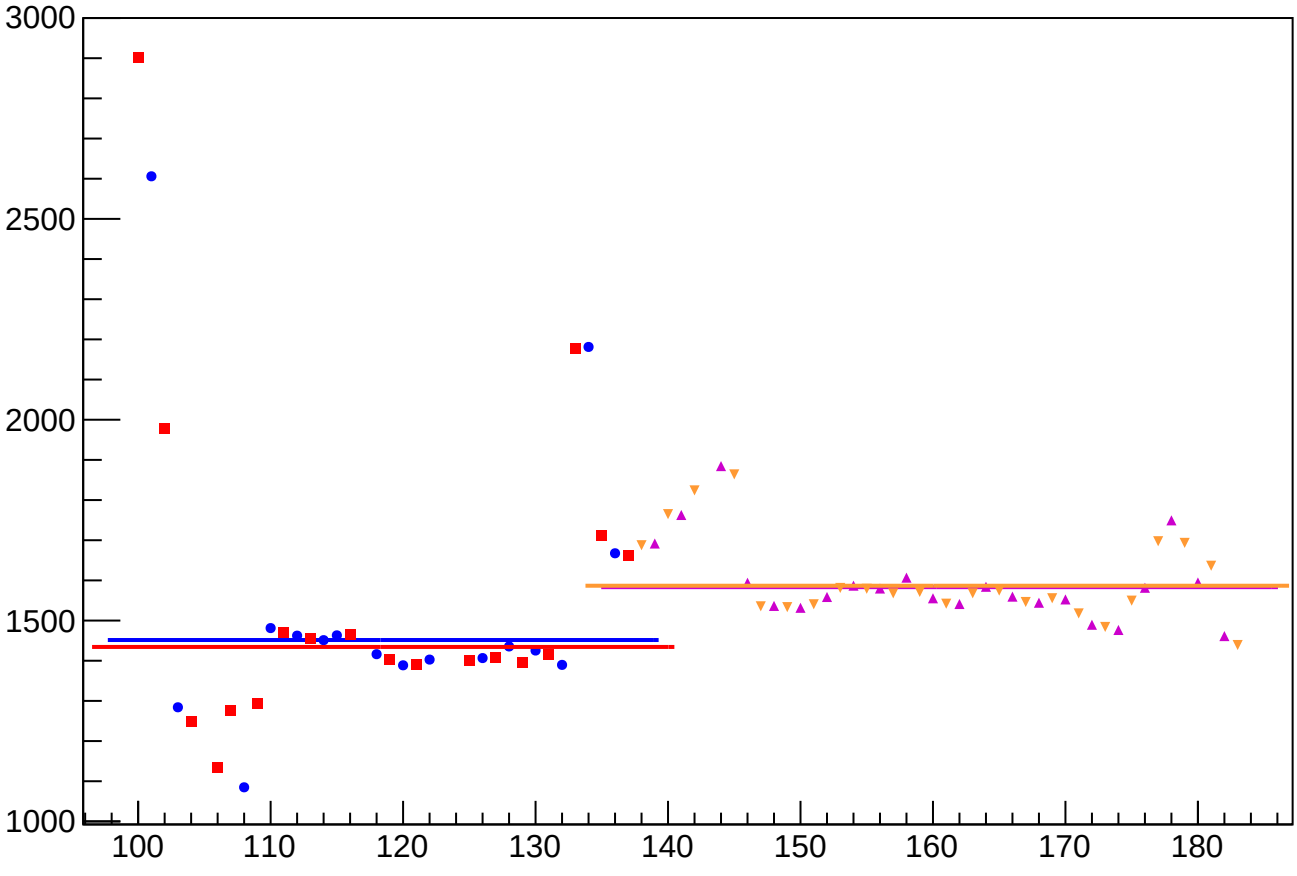
Left In: 102.826+/-373.442 χ^2/NDF:13.5/21

+ sign 342.898+/-307.878 χ^2/NDF: 48.6/38

All: 215.132+/-217.789 χ^2/NDF: 84.9/78

- sign 87.161+/-308.124 χ^2/NDF: 36.0/39

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1586.733+/-0.263 χ^2/NDF:125892.5/22

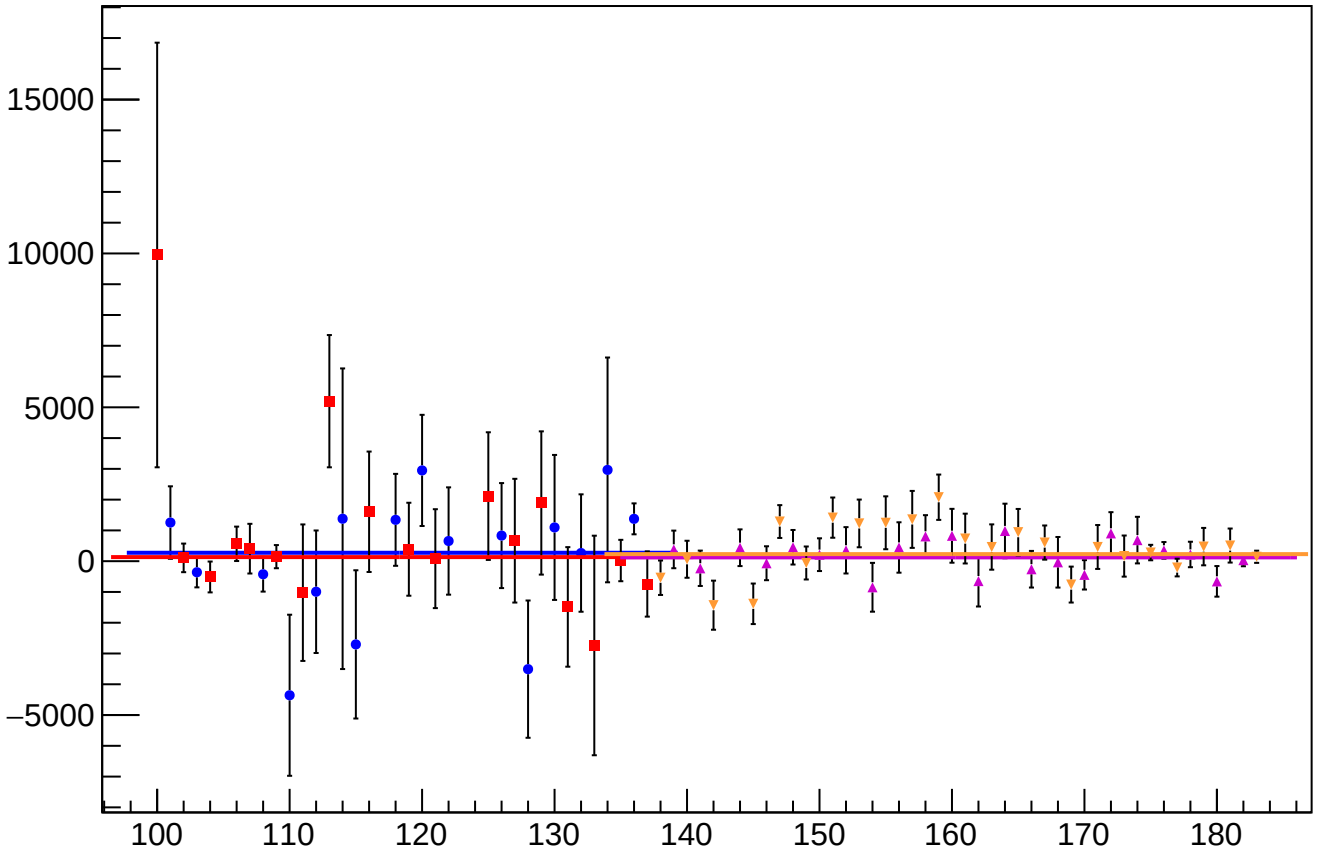
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1583.175+/-0.264 χ^2/NDF:120345.4/21

+ sign 1544.327+/-0.218 χ^2/NDF: 696715.8/38

All: 1539.995+/-0.154 χ^2/NDF: 1247881.9/78

- sign 1535.657+/-0.218 χ^2/NDF: 550373.7/39



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 229.275+/-99.927 χ^2/NDF:38.4/22

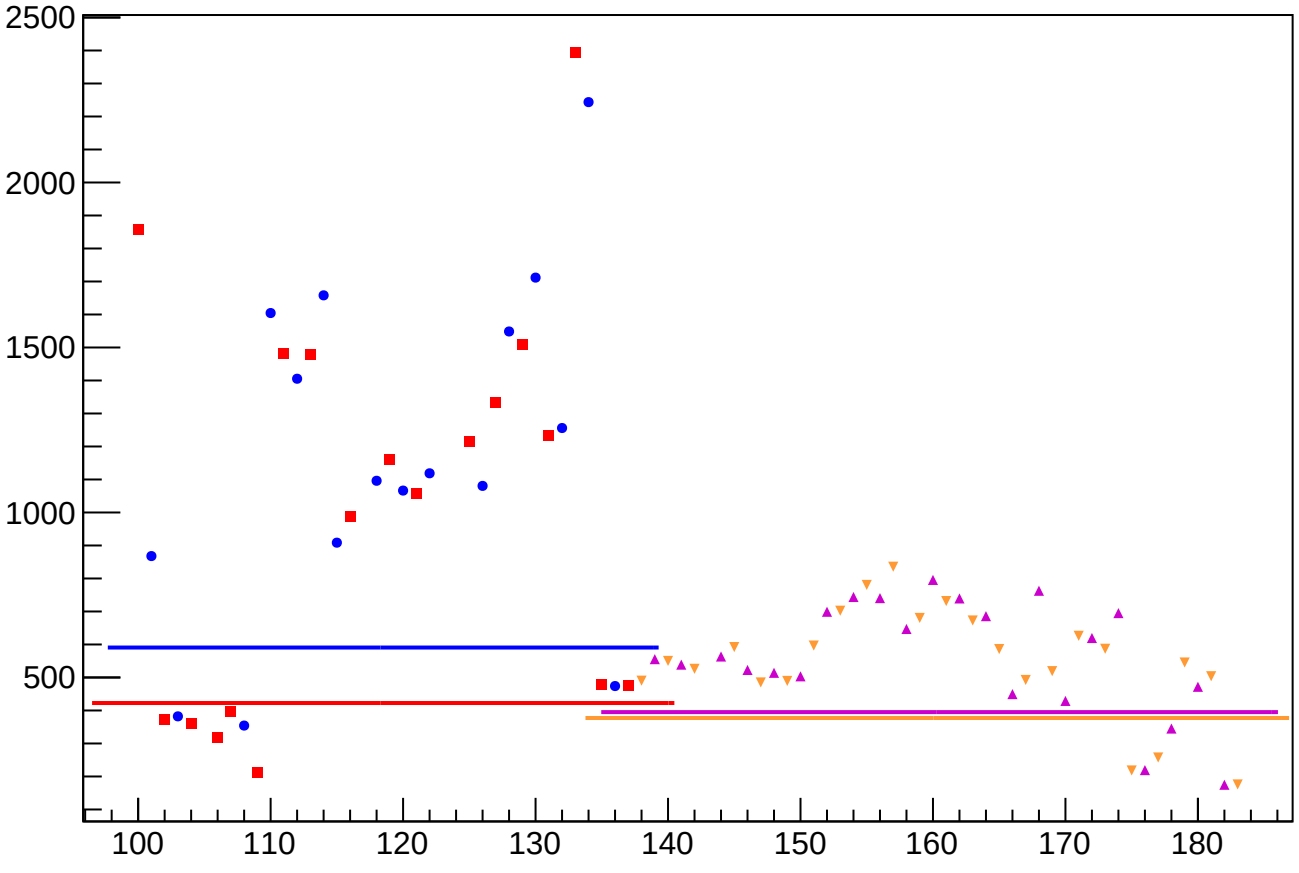
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 123.081+/-105.035 χ^2/NDF:13.6/21

+ sign 234.939+/-93.300 χ^2/NDF: 58.7/38

All: 179.639+/-65.714 χ^2/NDF: 87.4/78

- sign 125.199+/-92.572 χ^2/NDF: 28.0/39



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 377.224+/-0.071 χ^2/NDF:7524806.7/22

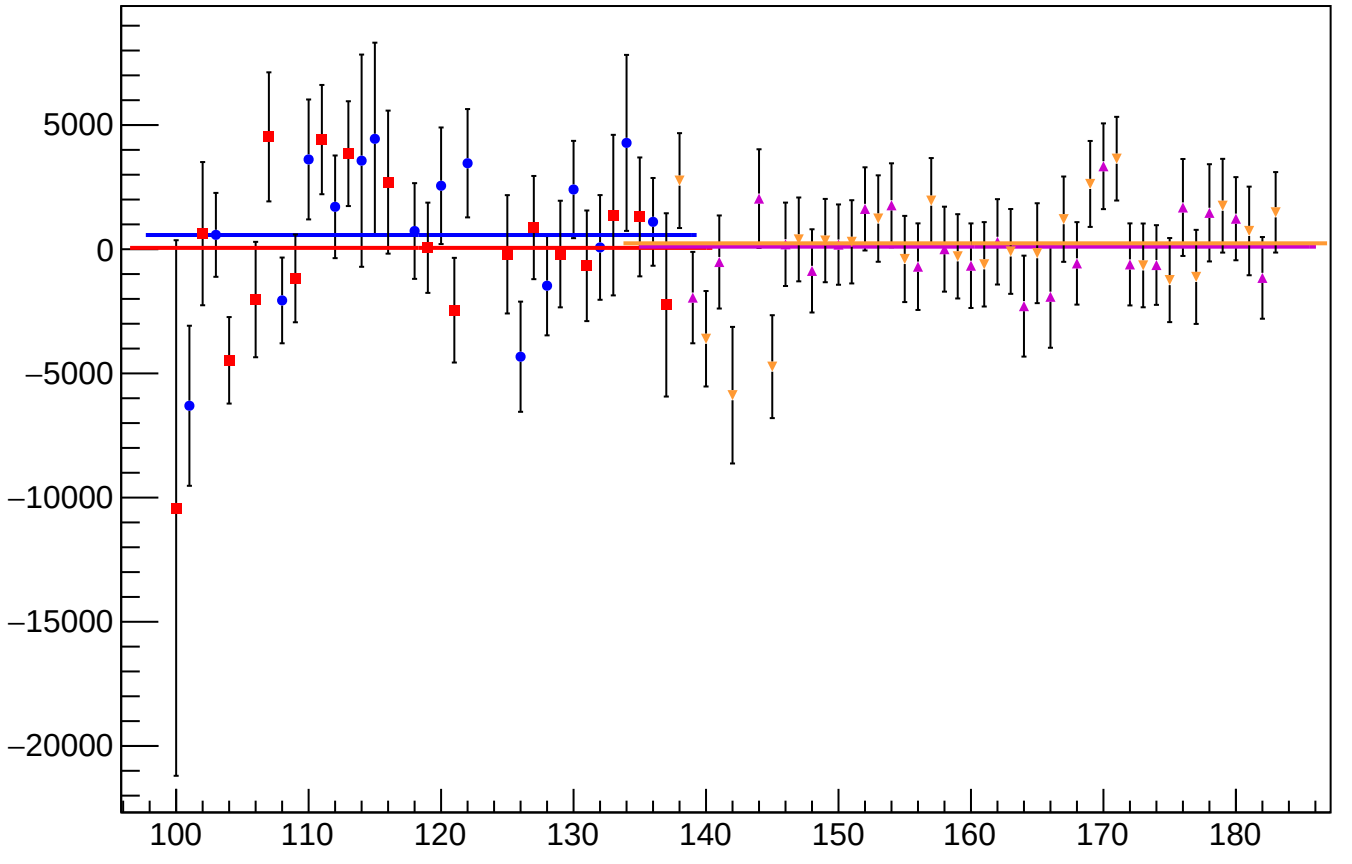
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 395.053+/-0.074 χ^2/NDF:7325289.6/21

+ sign 404.607+/-0.066 χ^2/NDF: 12581381.3/38

All: 402.895+/-0.046 χ^2/NDF: 24796794.9/78

- sign 401.209+/-0.065 χ^2/NDF: 12214076.4/39



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 238.010+/-371.656 χ^2/NDF:27.5/22

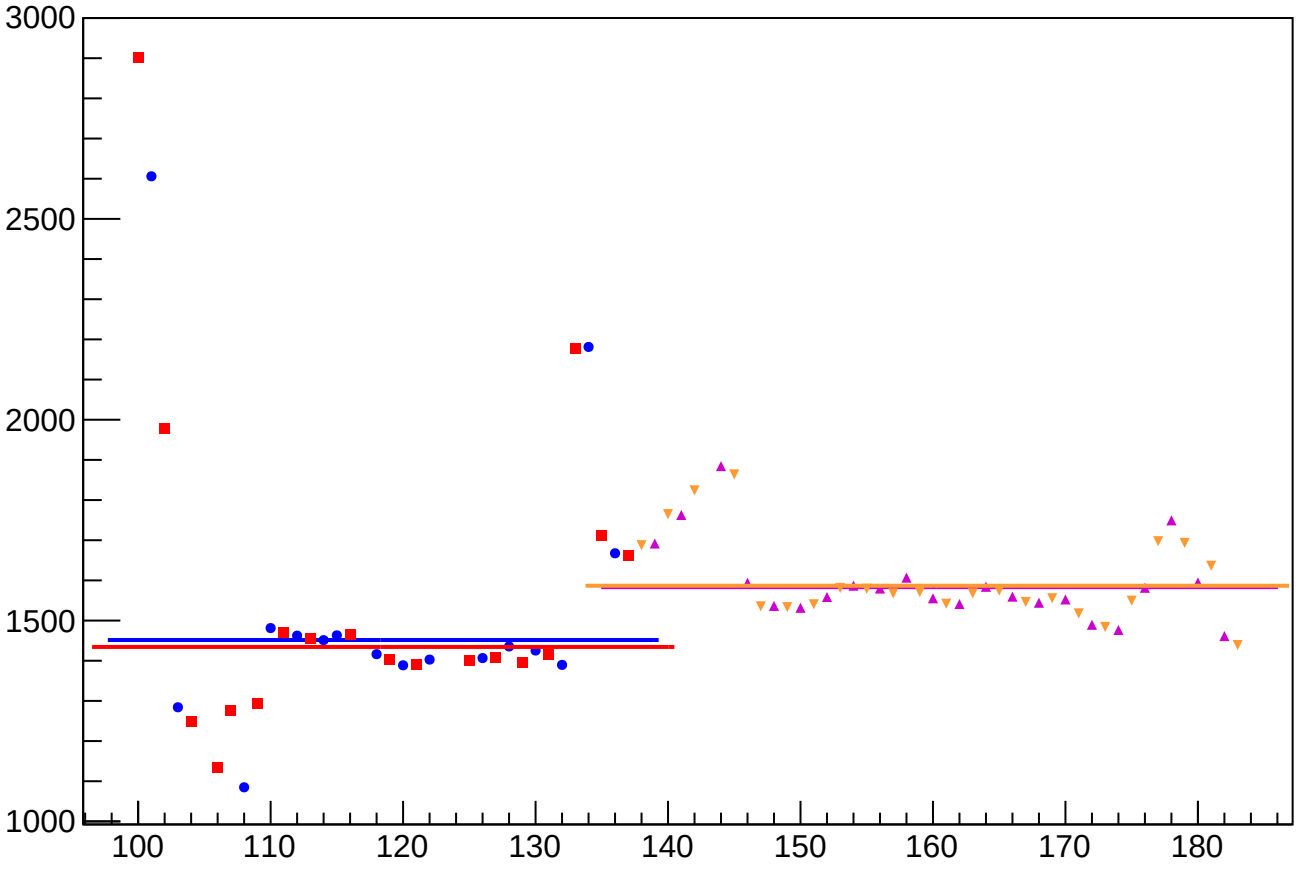
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 102.824+/-373.442 χ^2/NDF:13.5/21

+ sign 342.895+/-307.877 χ^2/NDF: 48.6/38

All: 215.130+/-217.789 χ^2/NDF: 84.9/78

- sign 87.159+/-308.124 χ^2/NDF: 36.0/39



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1586.733+/-0.263 χ^2/NDF:125892.8/22

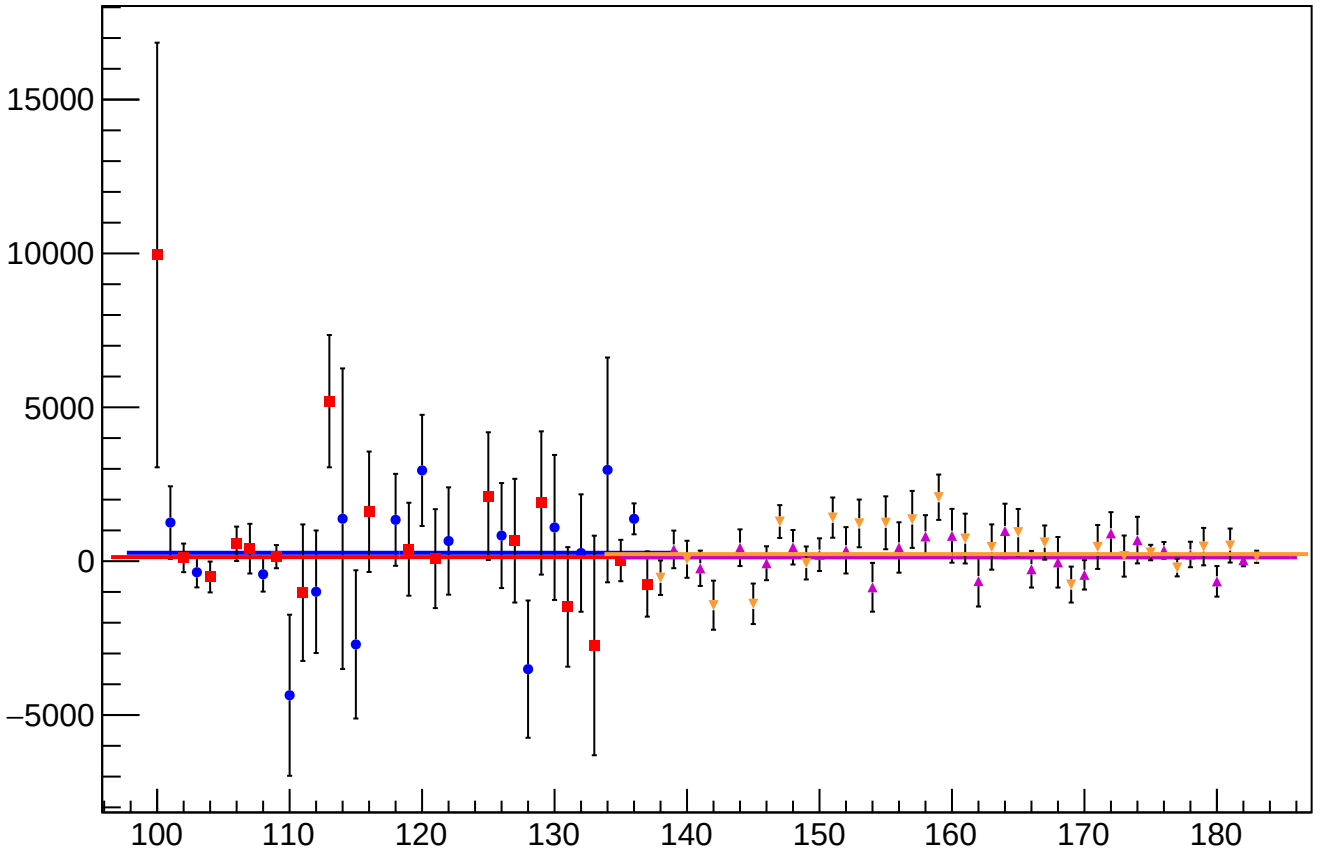
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1583.175+/-0.264 χ^2/NDF:120345.5/21

+ sign 1544.326+/-0.218 χ^2/NDF: 696715.4/38

All: 1539.995+/-0.154 χ^2/NDF: 1247881.2/78

- sign 1535.657+/-0.218 χ^2/NDF: 550373.5/39



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 229.280+/-99.928 χ^2/NDF:38.4/22

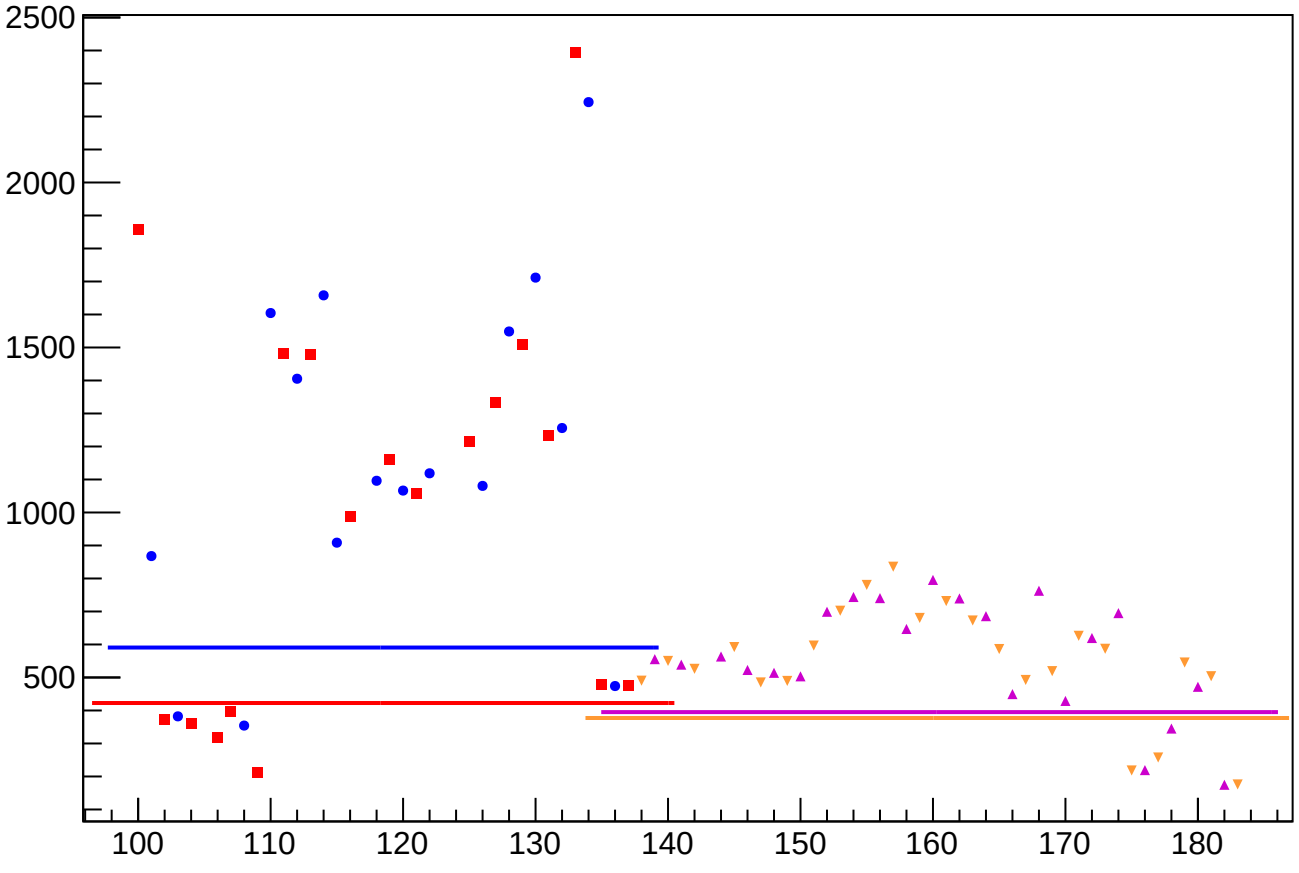
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 123.080+/-105.035 χ^2/NDF:13.6/21

+ sign 234.942+/-93.301 χ^2/NDF: 58.7/38

All: 179.640+/-65.715 χ^2/NDF: 87.4/78

- sign 125.198+/-92.573 χ^2/NDF: 28.0/39



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 377.228+/-0.071 χ^2/NDF:7524631.7/22

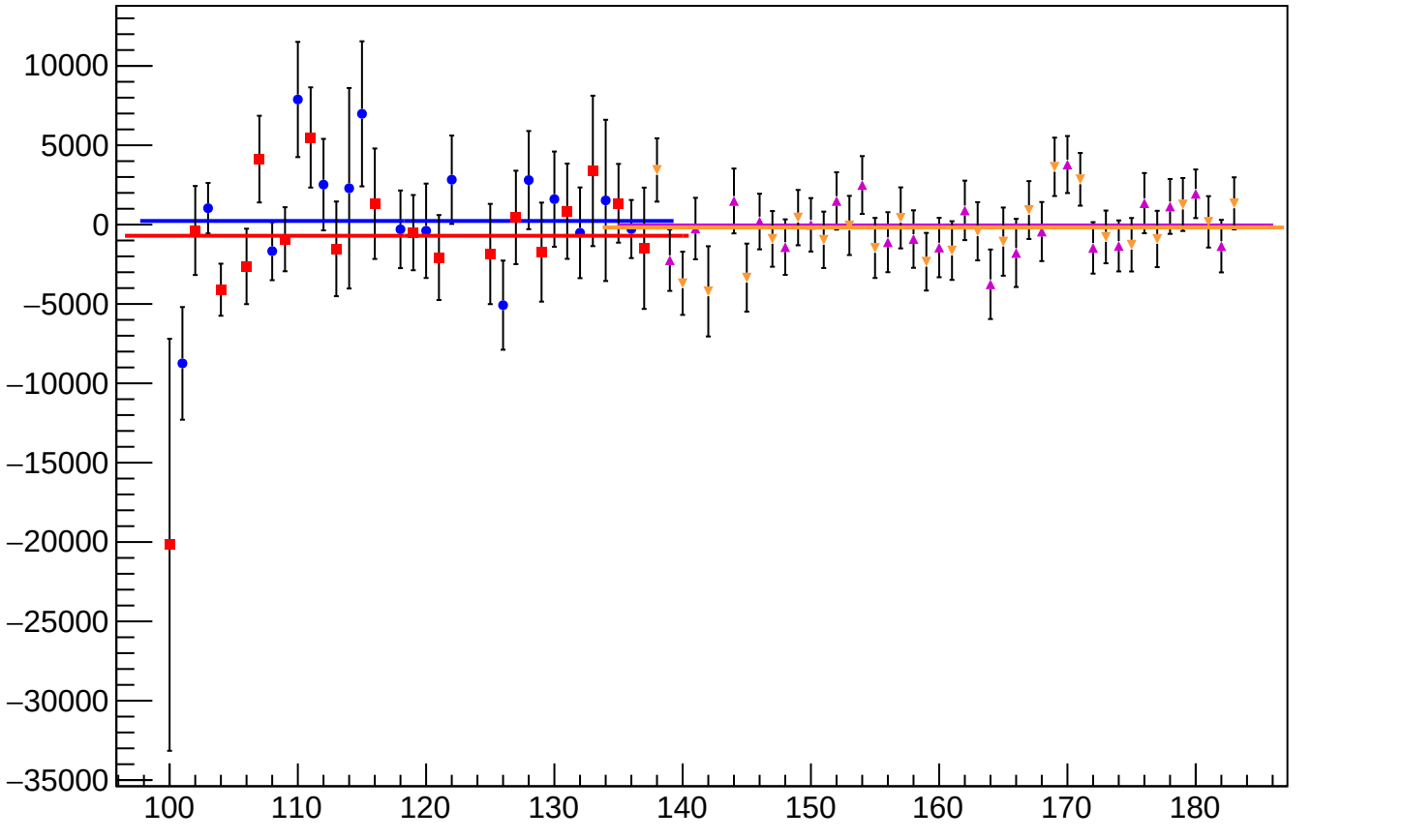
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 395.058+/-0.074 χ^2/NDF:7325013.3/21

+ sign 404.611+/-0.066 χ^2/NDF: 12581172.3/38

All: 402.899+/-0.046 χ^2/NDF: 24796226.1/78

- sign 401.214+/-0.065 χ^2/NDF: 12213718.0/39



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -178.452+/-381.699 χ^2/NDF:24.3/22

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

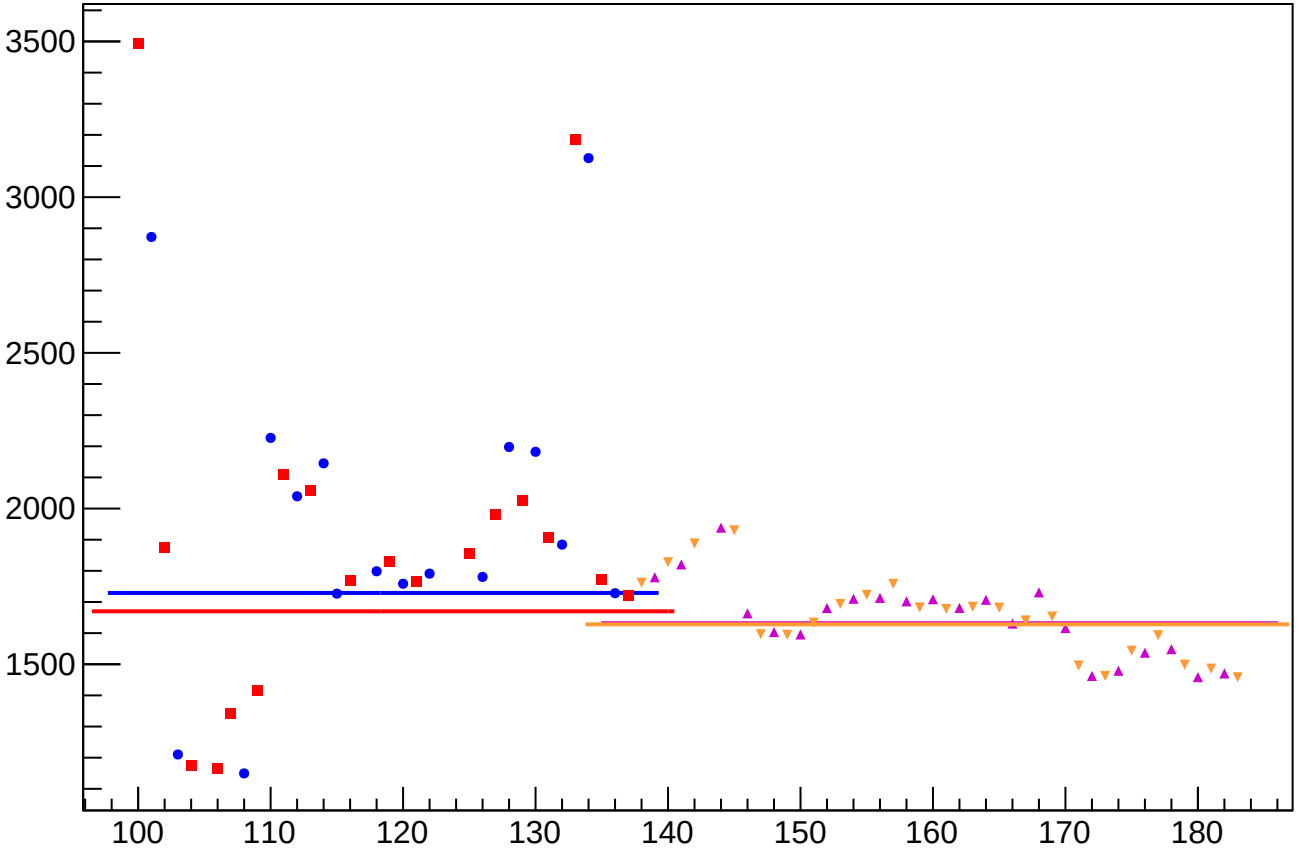
Left In: -52.186+/-385.233 χ^2/NDF:19.4/21

\+ sign -77.328+/-331.196 χ^2/NDF: 45.3/38

All: -149.578+/-234.185 χ^2/NDF: 82.5/78

\- sign -221.821+/-331.179 χ^2/NDF: 37.2/39

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1628.191+/-0.270 χ^2/NDF:197569.6/22

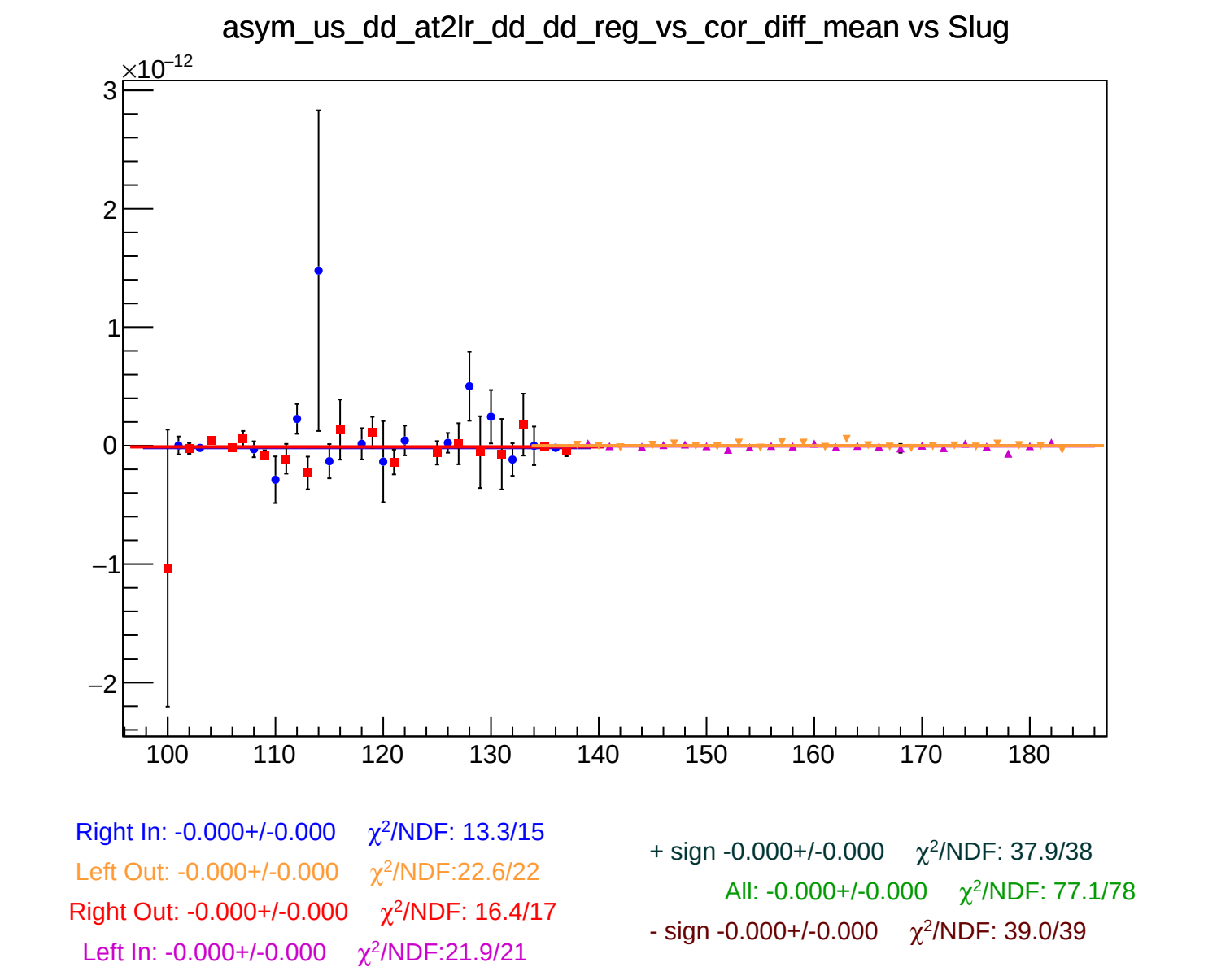
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

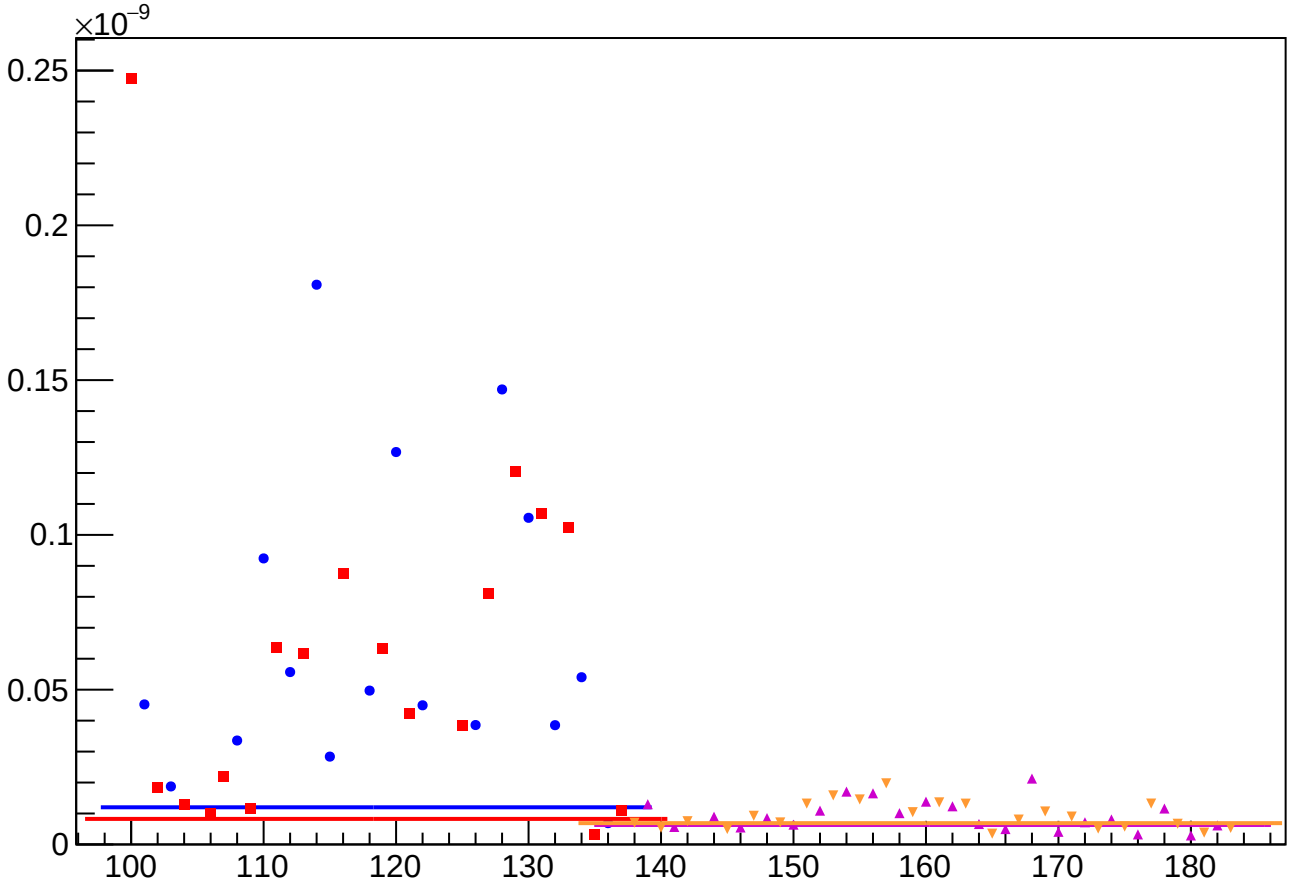
Left In: 1631.692+/-0.272 χ^2/NDF:196878.9/21

+ sign 1653.115+/-0.234 χ^2/NDF: 1174156.7/38

All: 1647.409+/-0.166 χ^2/NDF: 2121851.1/78

- sign 1641.703+/-0.234 χ^2/NDF: 946506.9/39


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: -0.000+/-0.000 χ²/NDF:22.6/22
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:21.9/21
+ sign -0.000+/-0.000 χ²/NDF: 37.9/38
All: -0.000+/-0.000 χ²/NDF: 77.1/78
- sign -0.000+/-0.000 χ²/NDF: 39.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2256537.7/22

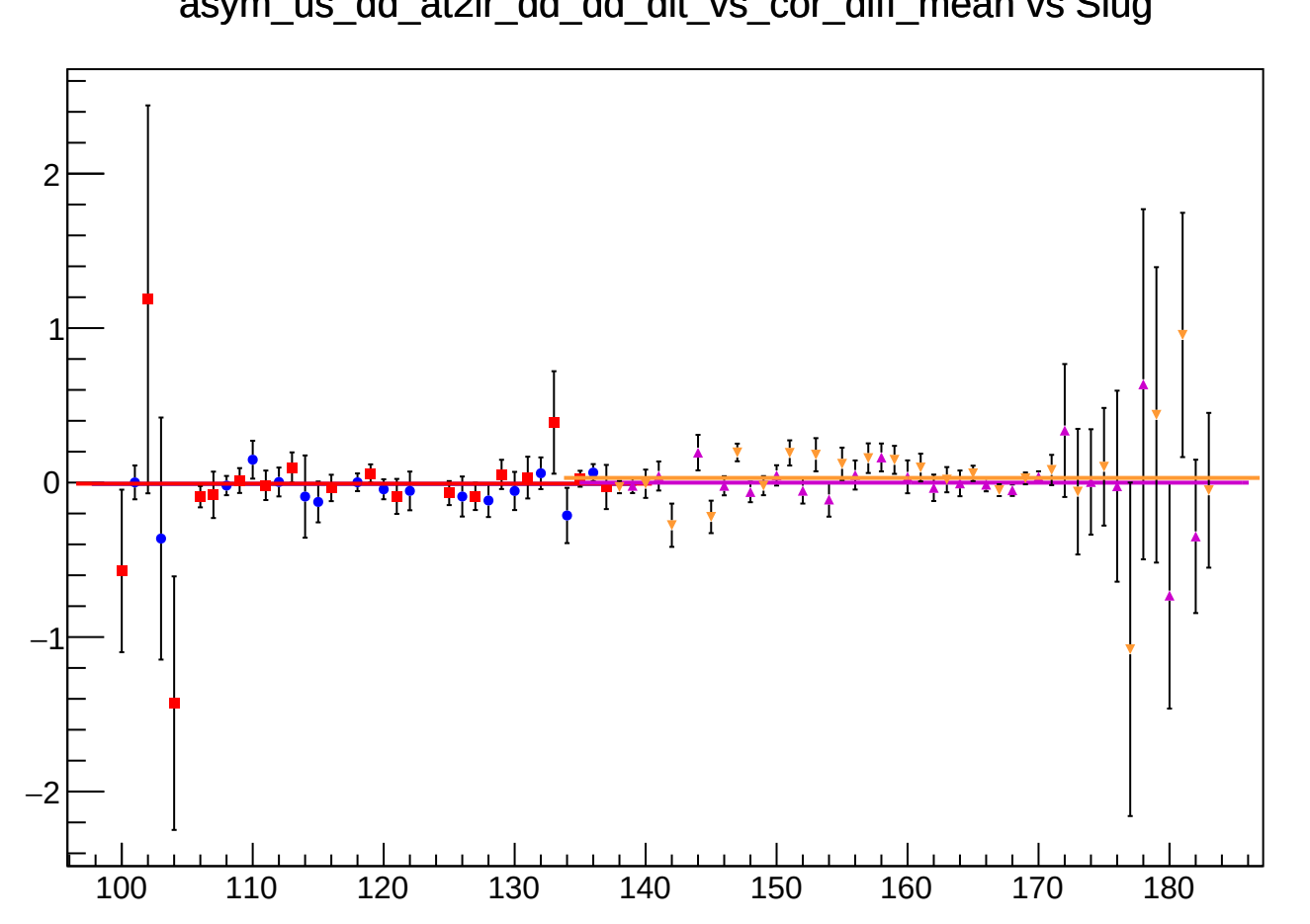
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2884963.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 6143324.9/38

All: 0.000+/-0.000 χ^2/NDF: 12713841.4/78

- sign 0.000+/-0.000 χ^2/NDF: 6486883.3/39



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.2/22

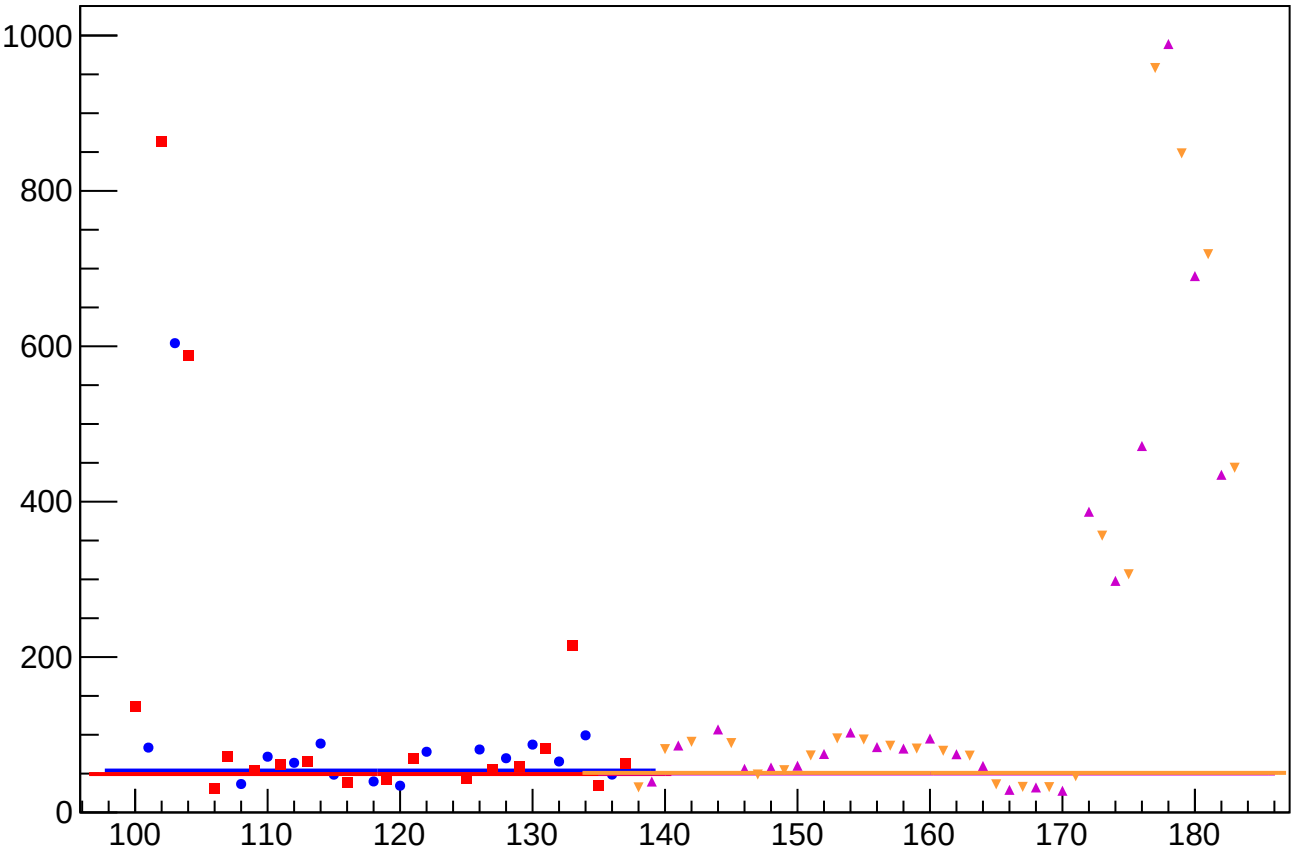
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:15.4/21

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/38

All: 0.008+/-0.009 χ^2/NDF: 80.9/78

- sign -0.003+/-0.013 χ^2/NDF: 29.1/39



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.945+/-0.011 χ^2/NDF:11344883.5/22

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

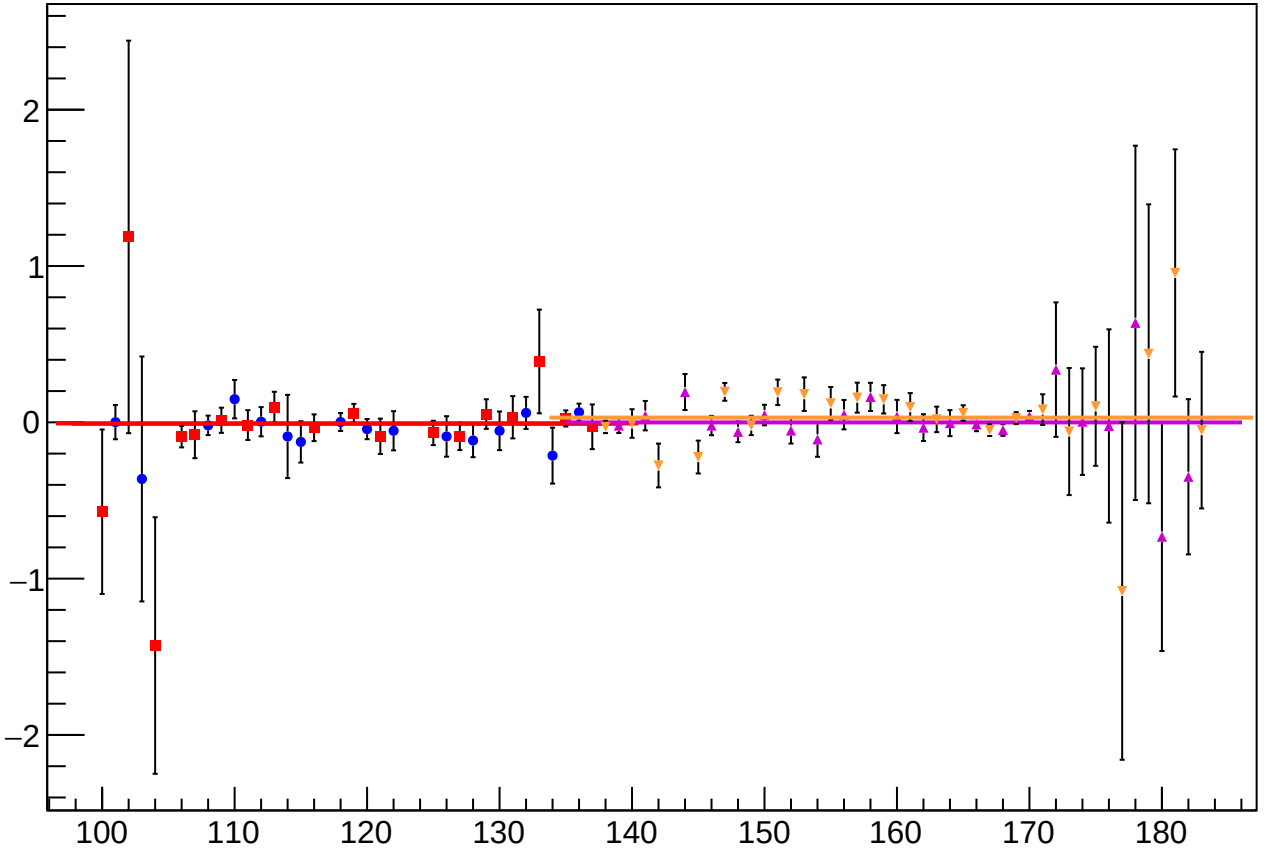
Left In: 50.104+/-0.011 χ^2/NDF:11739162.7/21

\+ sign 51.868+/-0.009 χ^2/NDF: 13582206.6/38

All: 50.855+/-0.006 χ^2/NDF: 28364692.3/78

\- sign 49.885+/-0.009 χ^2/NDF: 14758170.6/39

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.2/22

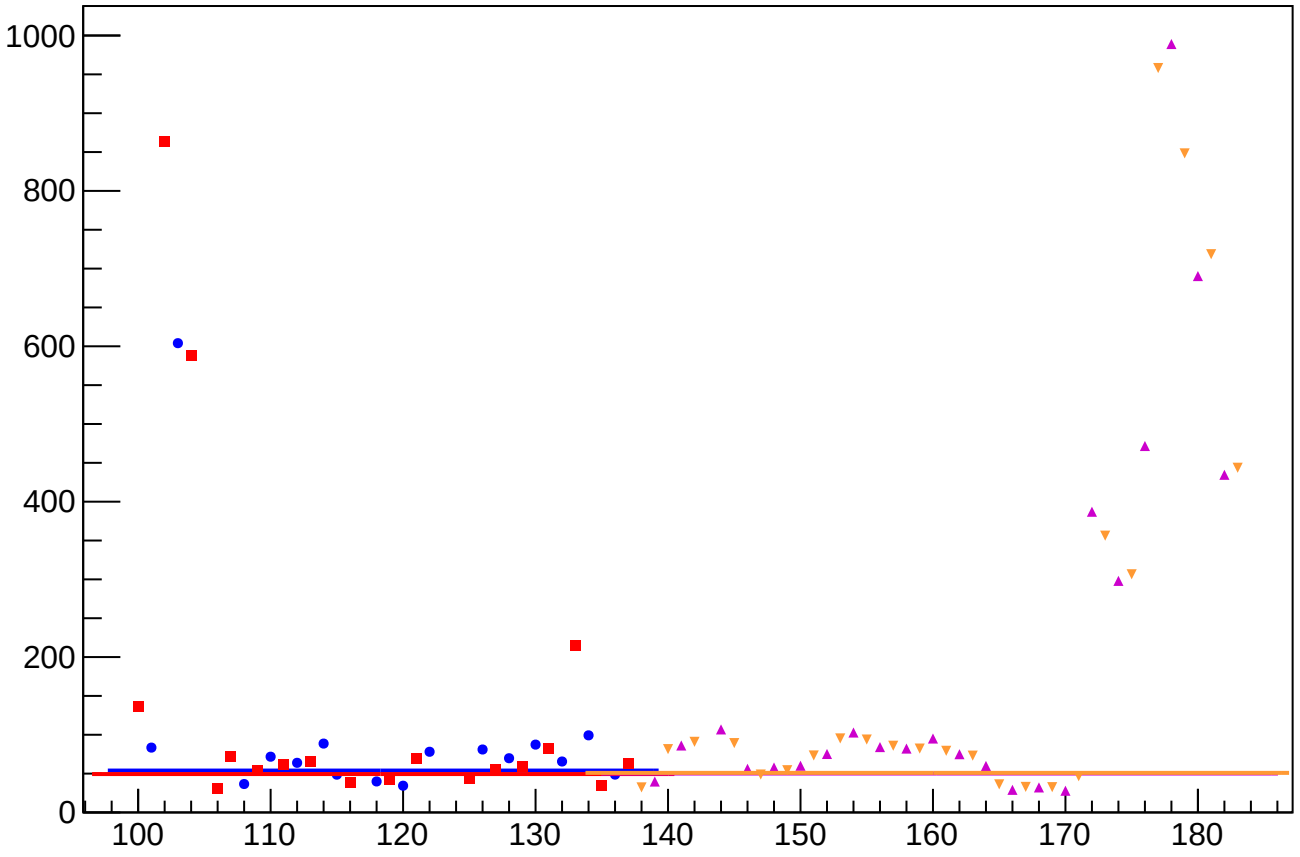
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:15.4/21

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/38

All: 0.008+/-0.009 χ^2/NDF: 80.9/78

- sign -0.003+/-0.013 χ^2/NDF: 29.1/39



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.945+/-0.011 χ^2/NDF:11344883.5/22

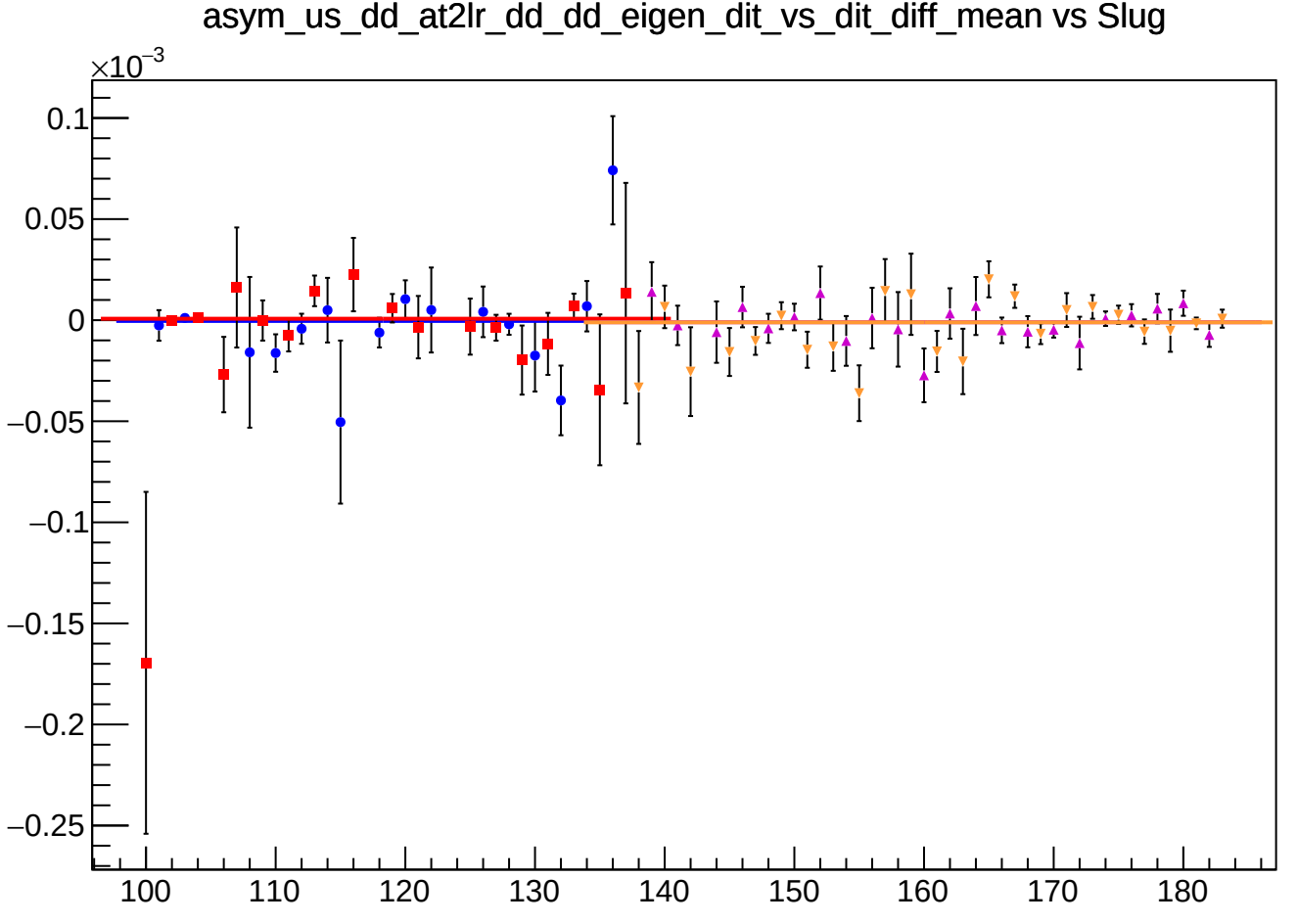
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 50.104+/-0.011 χ^2/NDF:11739162.7/21

\+ sign 51.868+/-0.009 χ^2/NDF: 13582206.6/38

All: 50.855+/-0.006 χ^2/NDF: 28364692.3/78

\- sign 49.885+/-0.009 χ^2/NDF: 14758170.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.1/22

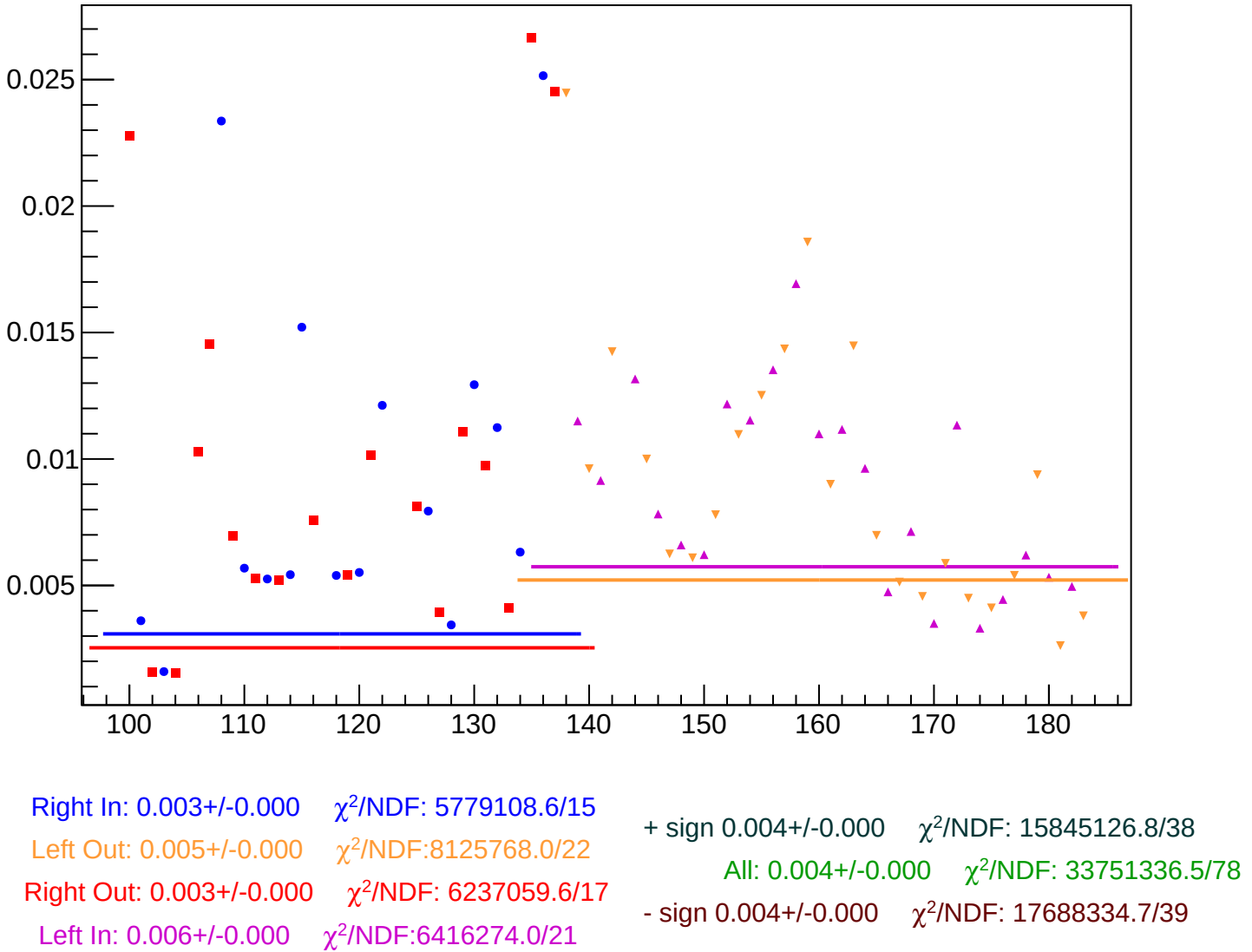
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:15.4/21

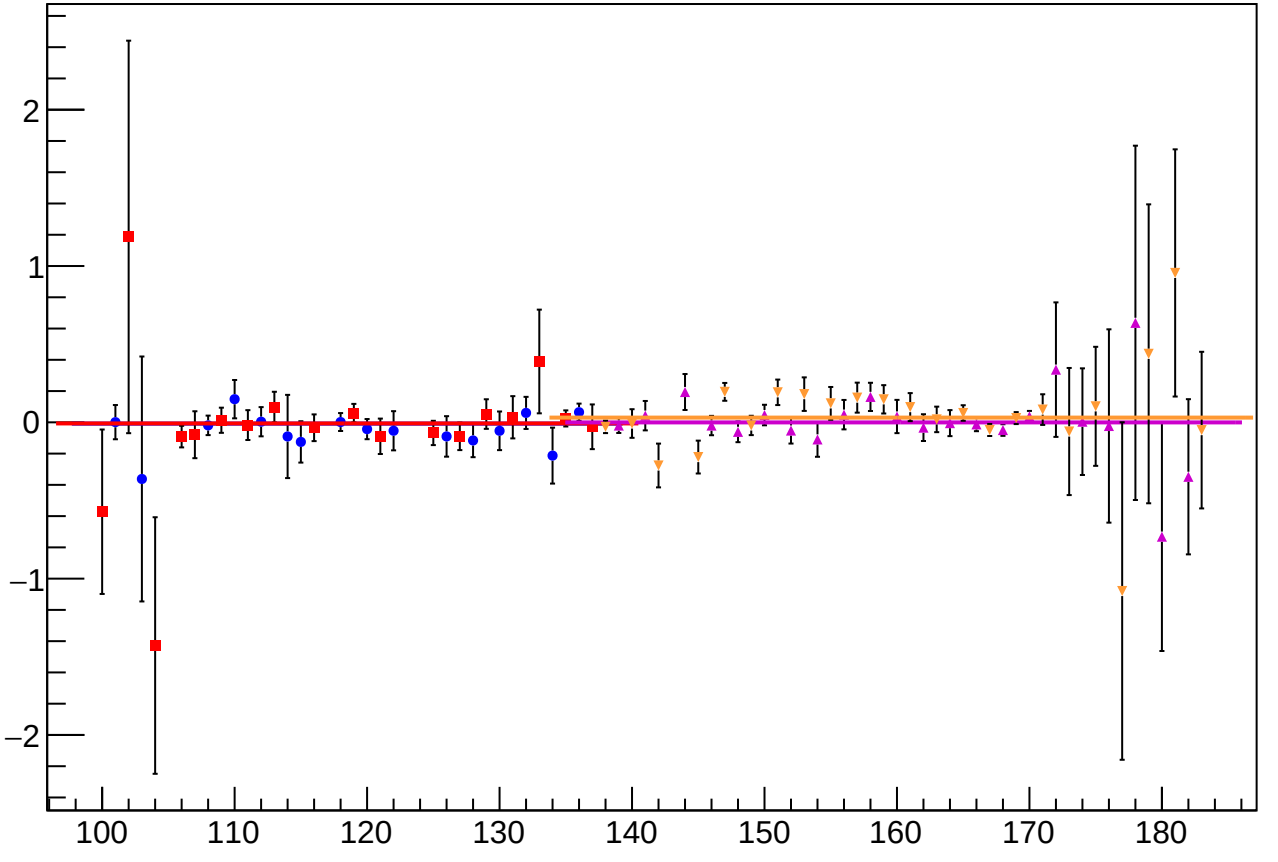
+ sign -0.000+/-0.000 χ^2/NDF: 59.3/38

All: -0.000+/-0.000 χ^2/NDF: 93.6/78

- sign 0.000+/-0.000 χ^2/NDF: 34.0/39


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.005+/-0.000 χ²/NDF:8125768.0/22
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.006+/-0.000 χ²/NDF:6416274.0/21
+ sign 0.004+/-0.000 χ²/NDF: 15845126.8/38
All: 0.004+/-0.000 χ²/NDF: 33751336.5/78
- sign 0.004+/-0.000 χ²/NDF: 17688334.7/39

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.2/22

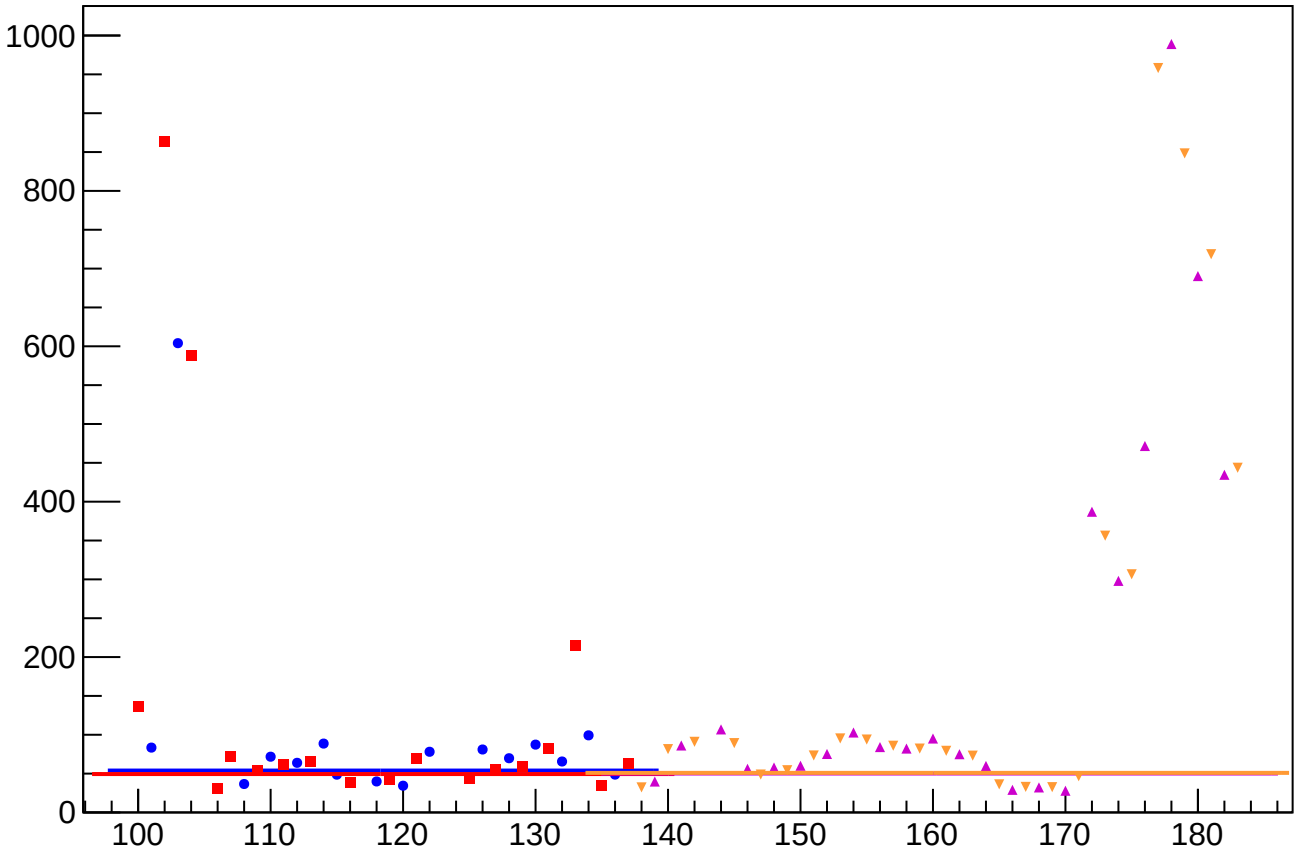
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:15.4/21

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/38

All: 0.008+/-0.009 χ^2/NDF: 80.9/78

- sign -0.003+/-0.013 χ^2/NDF: 29.1/39



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.948+/-0.011 χ^2/NDF:11344057.1/22

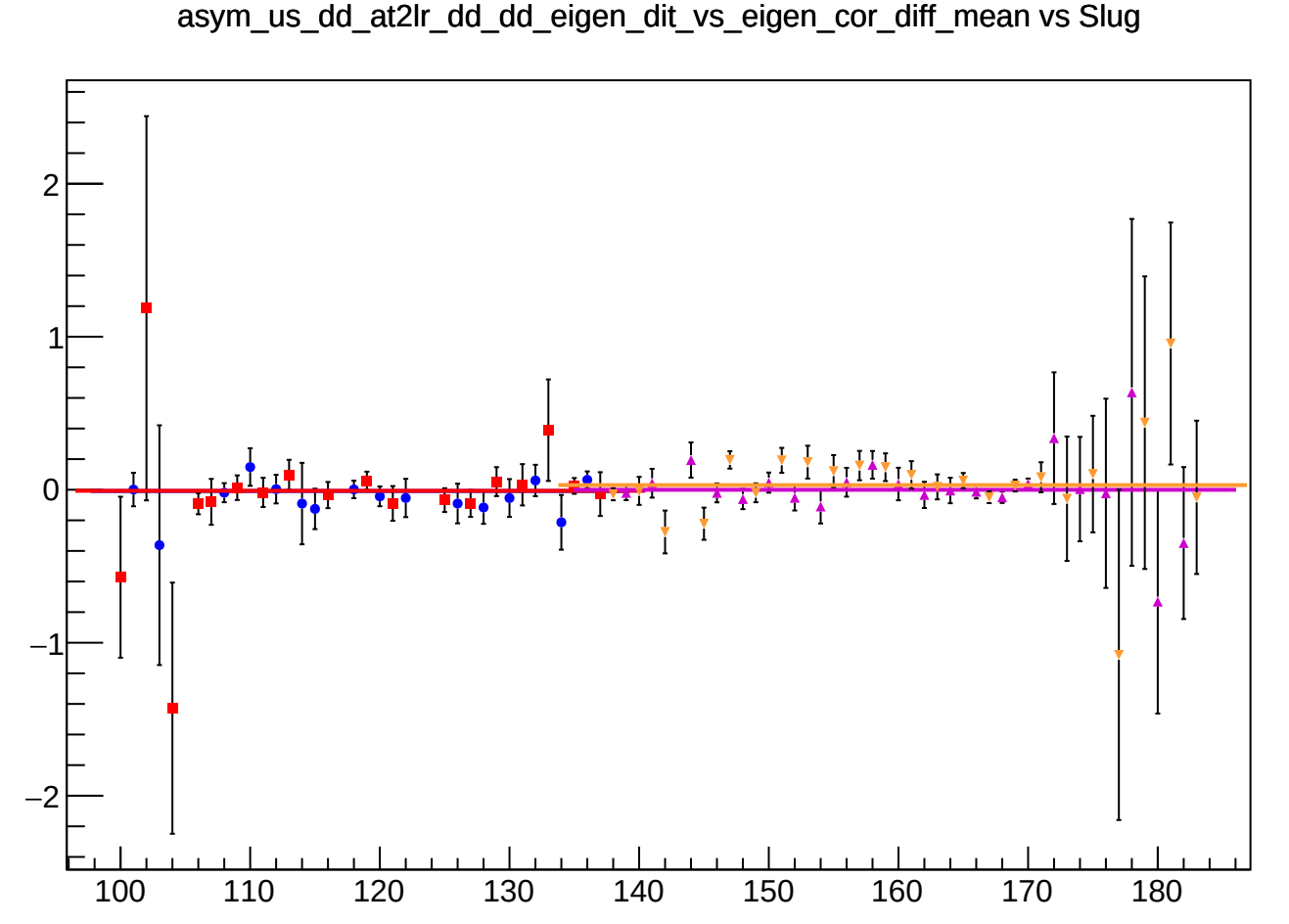
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 50.104+/-0.011 χ^2/NDF:11739103.5/21

\+ sign 51.871+/-0.009 χ^2/NDF: 13580994.5/38

All: 50.856+/-0.006 χ^2/NDF: 28363182.1/78

\- sign 49.885+/-0.009 χ^2/NDF: 14757824.8/39



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.2/22

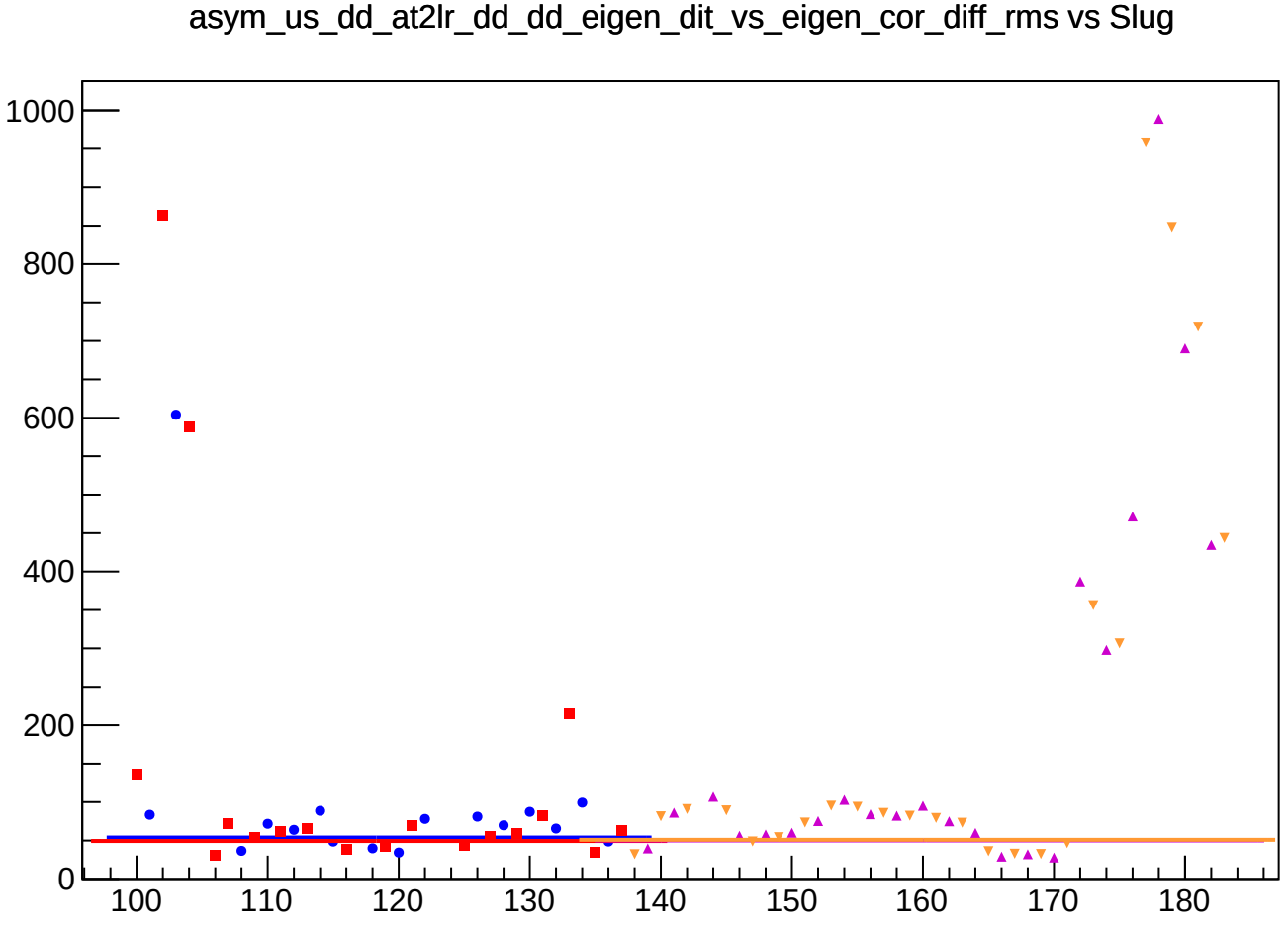
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:15.4/21

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/38

All: 0.008+/-0.009 χ^2/NDF: 80.9/78

- sign -0.003+/-0.013 χ^2/NDF: 29.1/39



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.948+/-0.011 χ^2/NDF:11344057.1/22

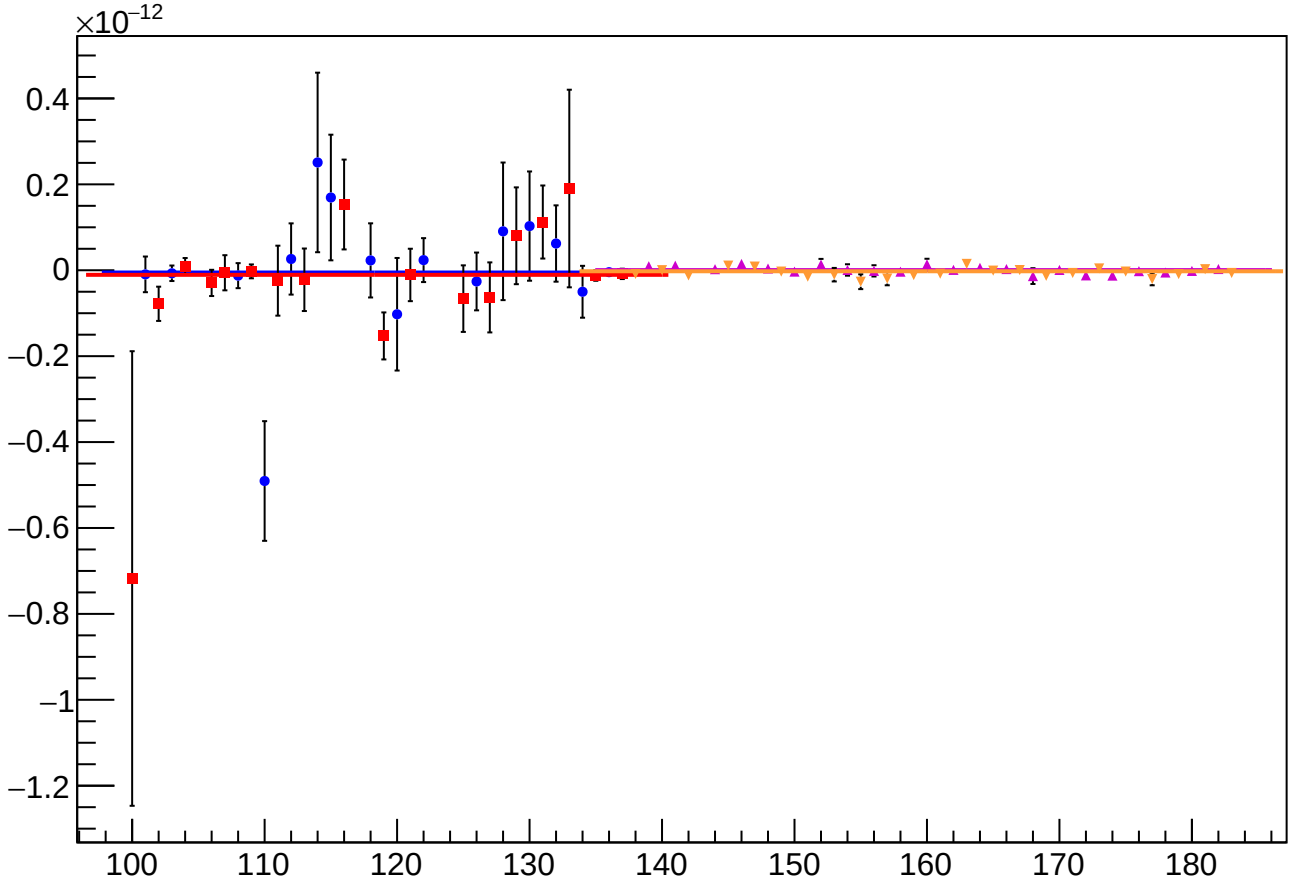
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 50.104+/-0.011 χ^2/NDF:11739103.5/21

+ sign 51.871+/-0.009 χ^2/NDF: 13580994.5/38

All: 50.856+/-0.006 χ^2/NDF: 28363182.1/78

- sign 49.885+/-0.009 χ^2/NDF: 14757824.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/22

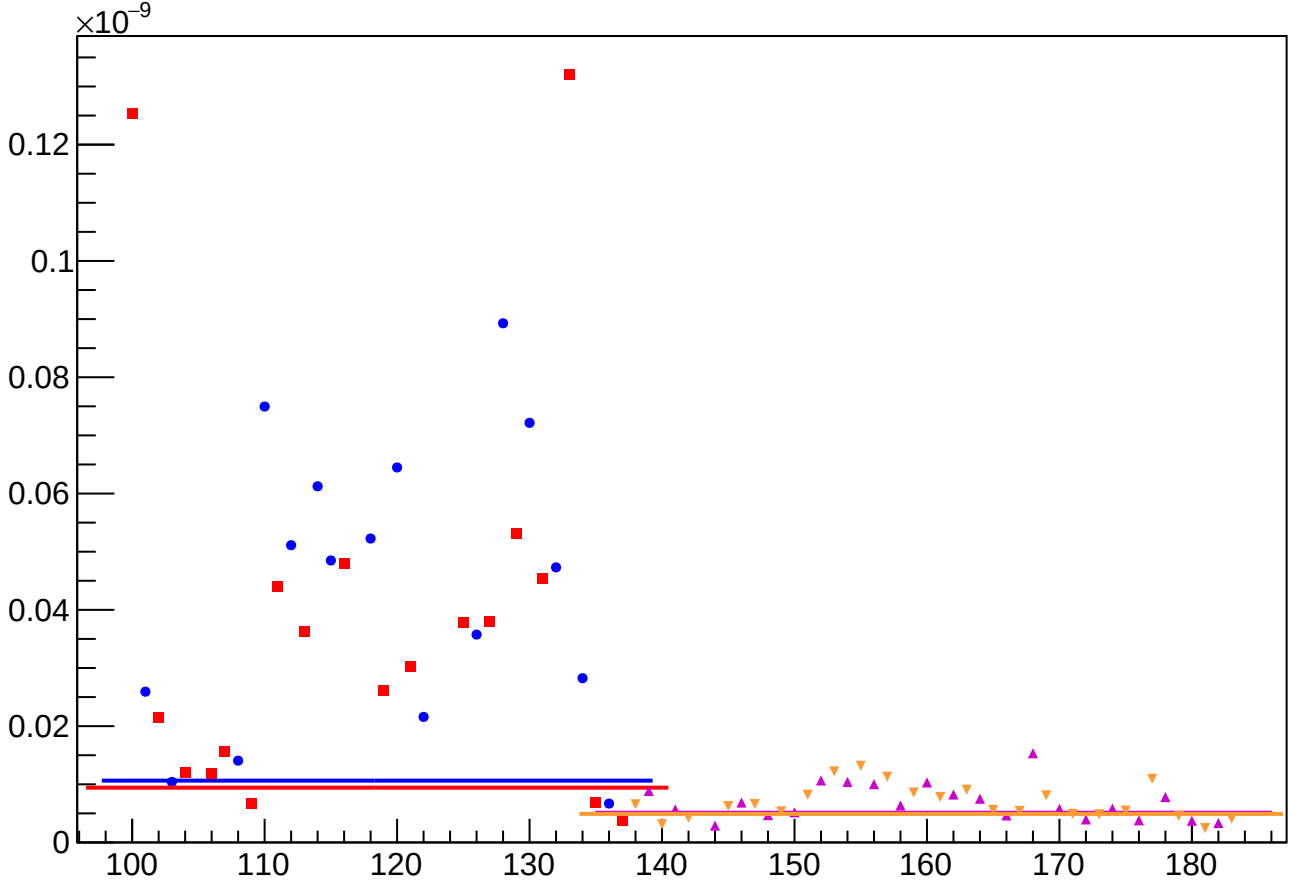
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:17.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/38

All: -0.000+/-0.000 χ^2/NDF: 82.7/78

- sign -0.000+/-0.000 χ^2/NDF: 40.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4306800.7/22

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

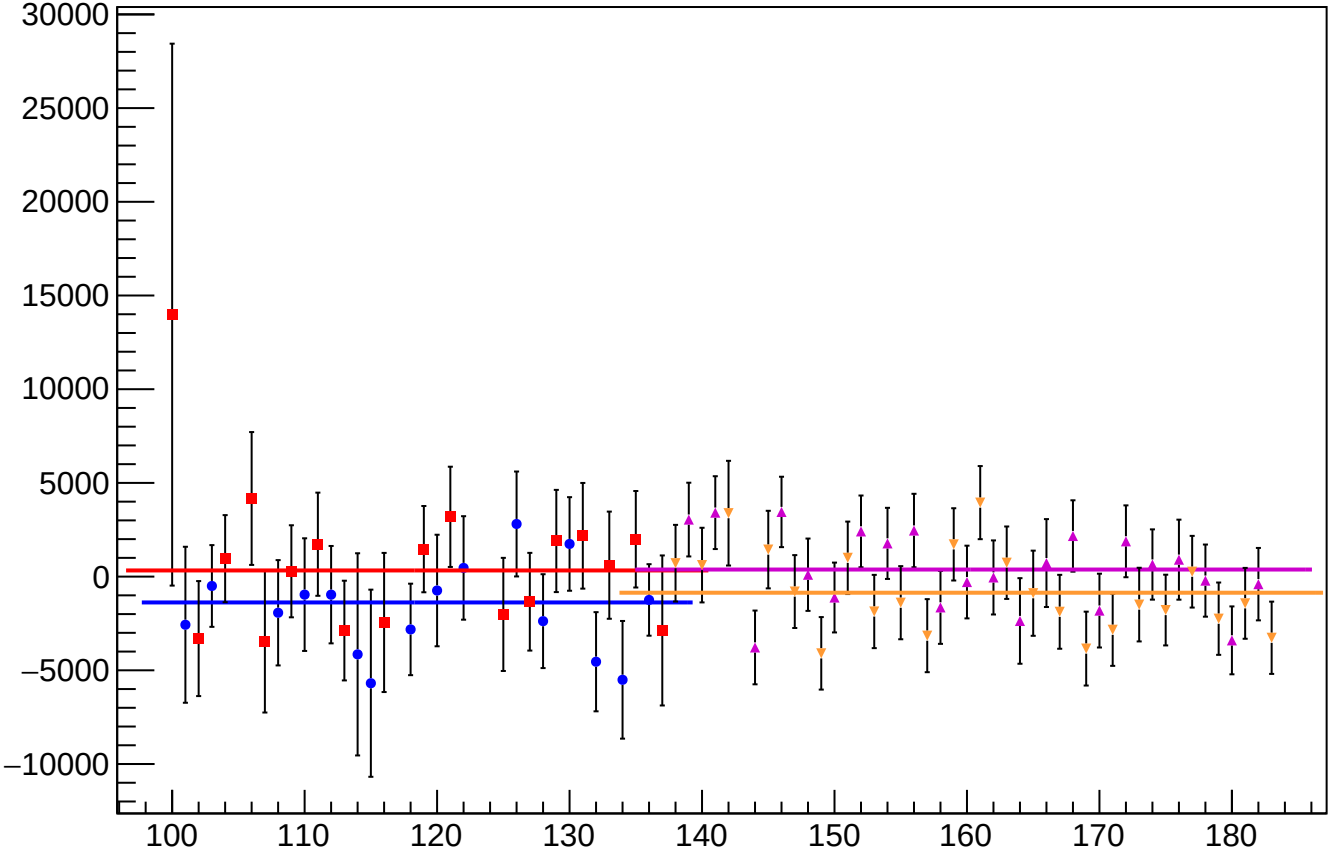
Left In: 0.000+/-0.000 χ^2/NDF:3773383.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 10198583.7/38

All: 0.000+/-0.000 χ^2/NDF: 18855906.7/78

- sign 0.000+/-0.000 χ^2/NDF: 8642889.5/39

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -859.898+/-413.549 χ^2/NDF:25.1/22

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

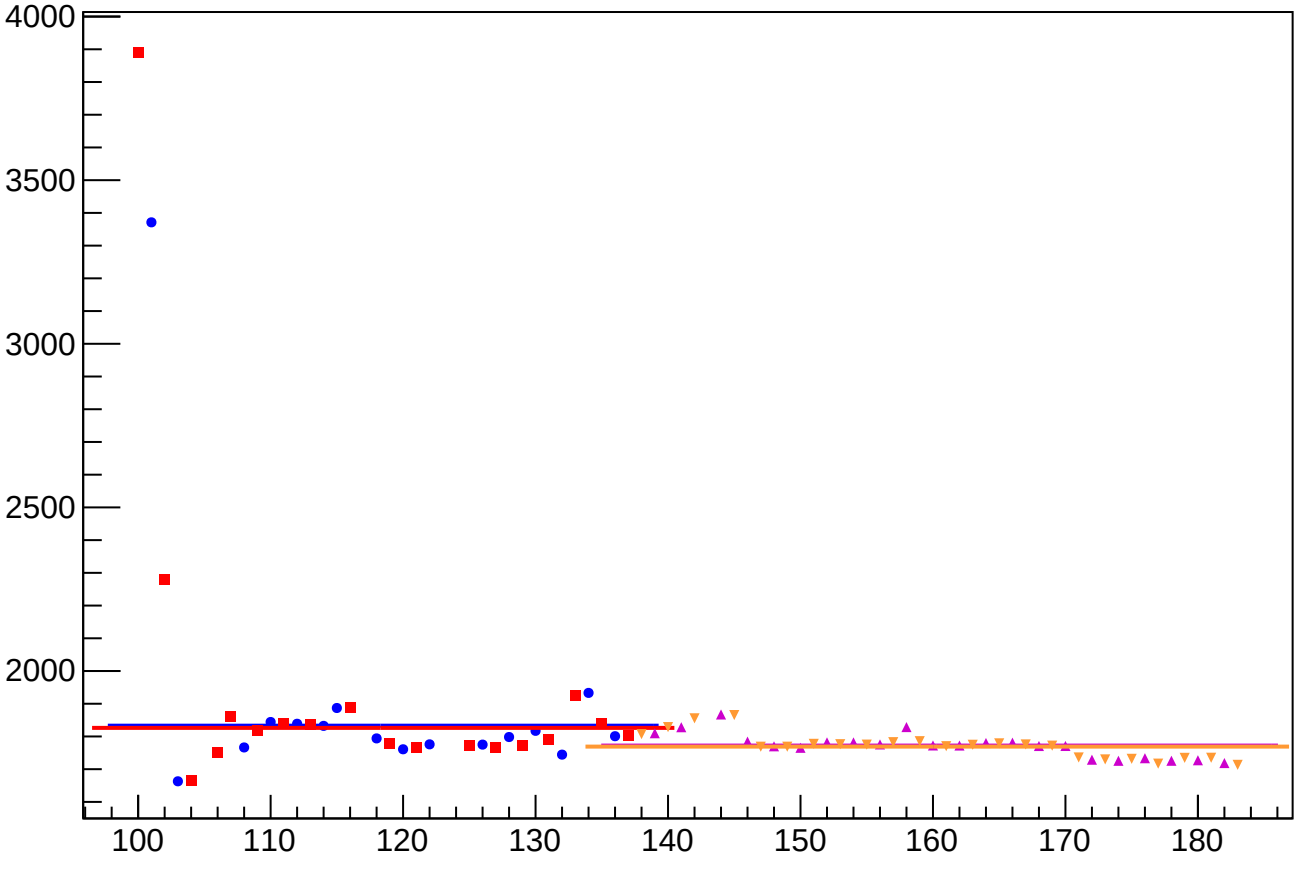
Left In: 377.475+/-417.253 χ^2/NDF:25.0/21

+ sign -997.307+/-354.585 χ^2/NDF: 34.9/38

All: -319.599+/-251.296 χ^2/NDF: 78.3/78

- sign 364.263+/-356.192 χ^2/NDF: 36.1/39

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1769.001+/-0.292 χ^2/NDF:15758.2/22

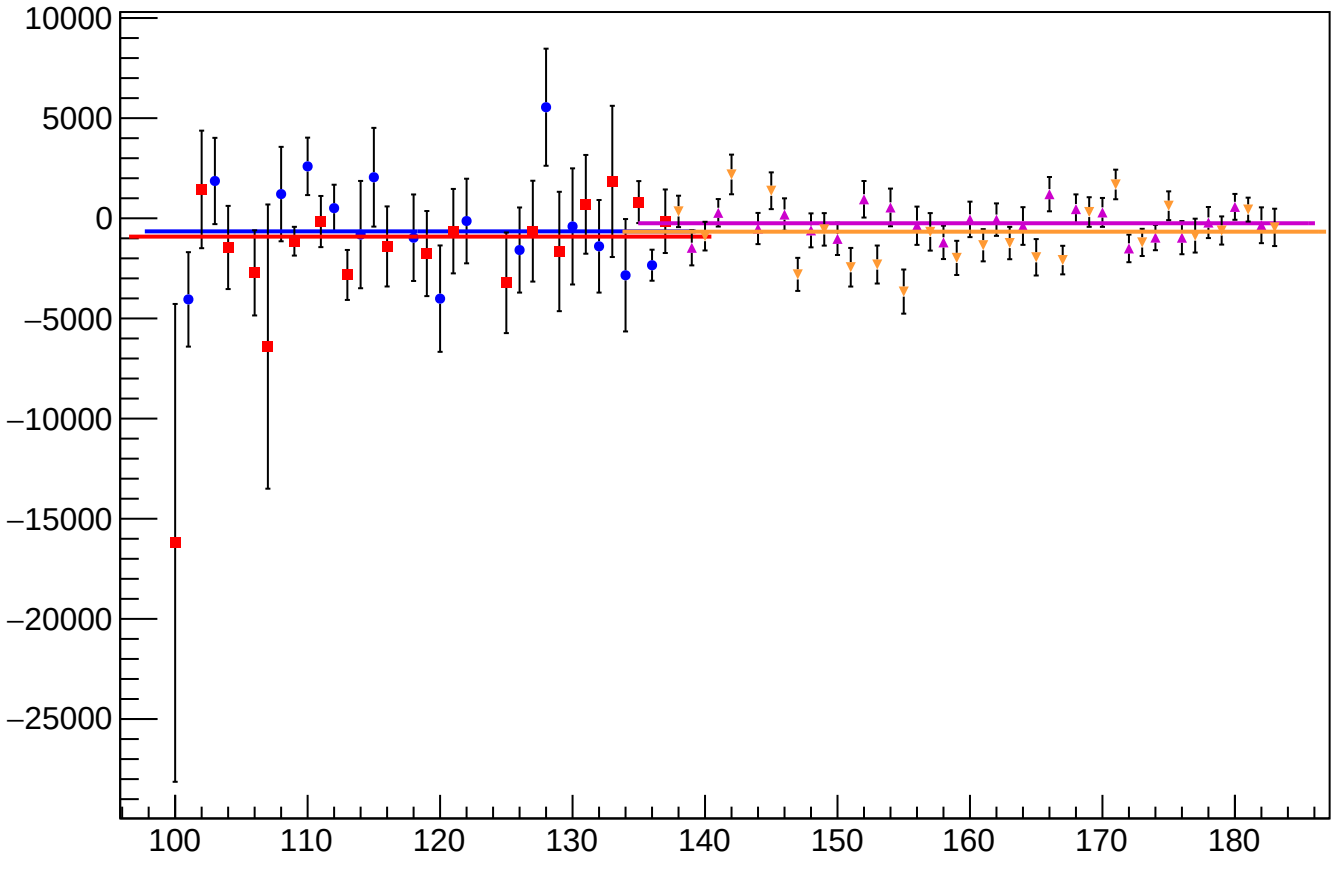
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1772.148+/-0.295 χ^2/NDF:15849.2/21

+ sign 1785.936+/-0.251 χ^2/NDF: 323861.5/38

All: 1786.372+/-0.178 χ^2/NDF: 451830.5/78

- sign 1786.813+/-0.252 χ^2/NDF: 127962.9/39



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -667.797+/-167.361 χ^2/NDF:64.3/22

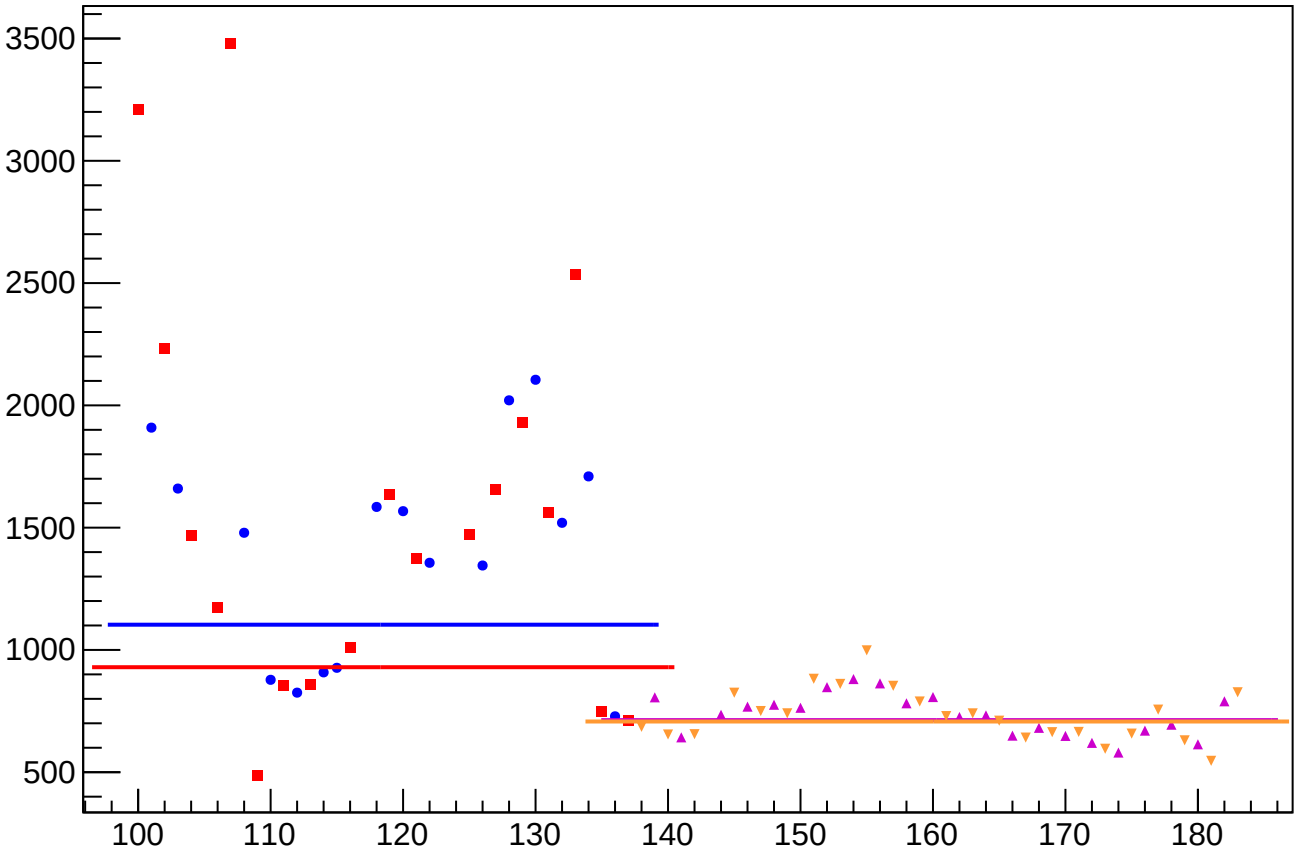
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -247.003+/-169.450 χ^2/NDF:19.2/21

+ sign -665.811+/-156.523 χ^2/NDF: 87.6/38

All: -507.748+/-110.361 χ^2/NDF: 122.8/78

- sign -351.487+/-155.628 χ^2/NDF: 33.2/39



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 707.370+/-0.118 χ^2/NDF:692046.8/22

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

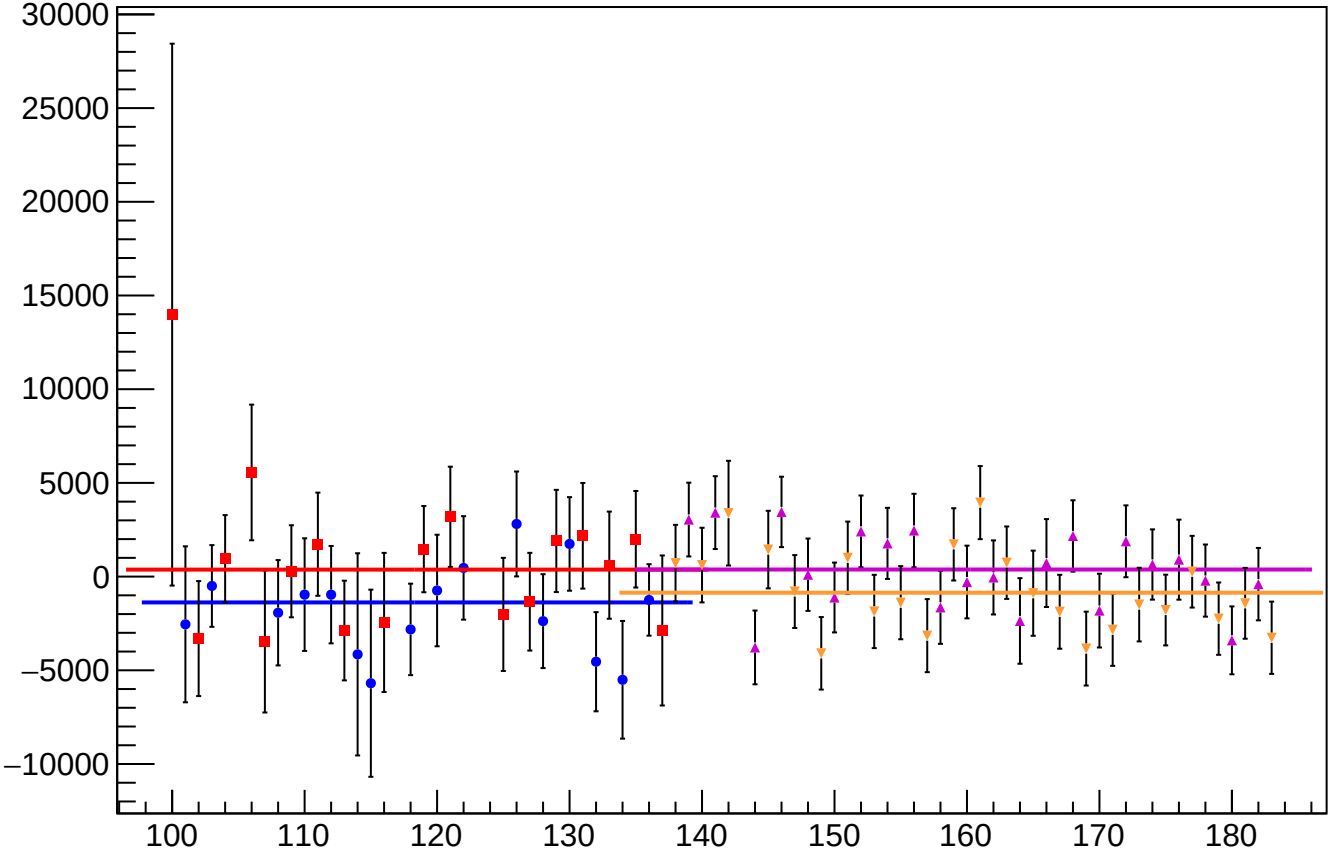
Left In: 713.078+/-0.120 χ^2/NDF:491086.9/21

+ sign 756.976+/-0.111 χ^2/NDF: 3972218.8/38

All: 751.920+/-0.078 χ^2/NDF: 8031392.9/78

- sign 746.921+/-0.110 χ^2/NDF: 4055023.6/39

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -859.813+/-413.549 χ^2/NDF:25.1/22

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

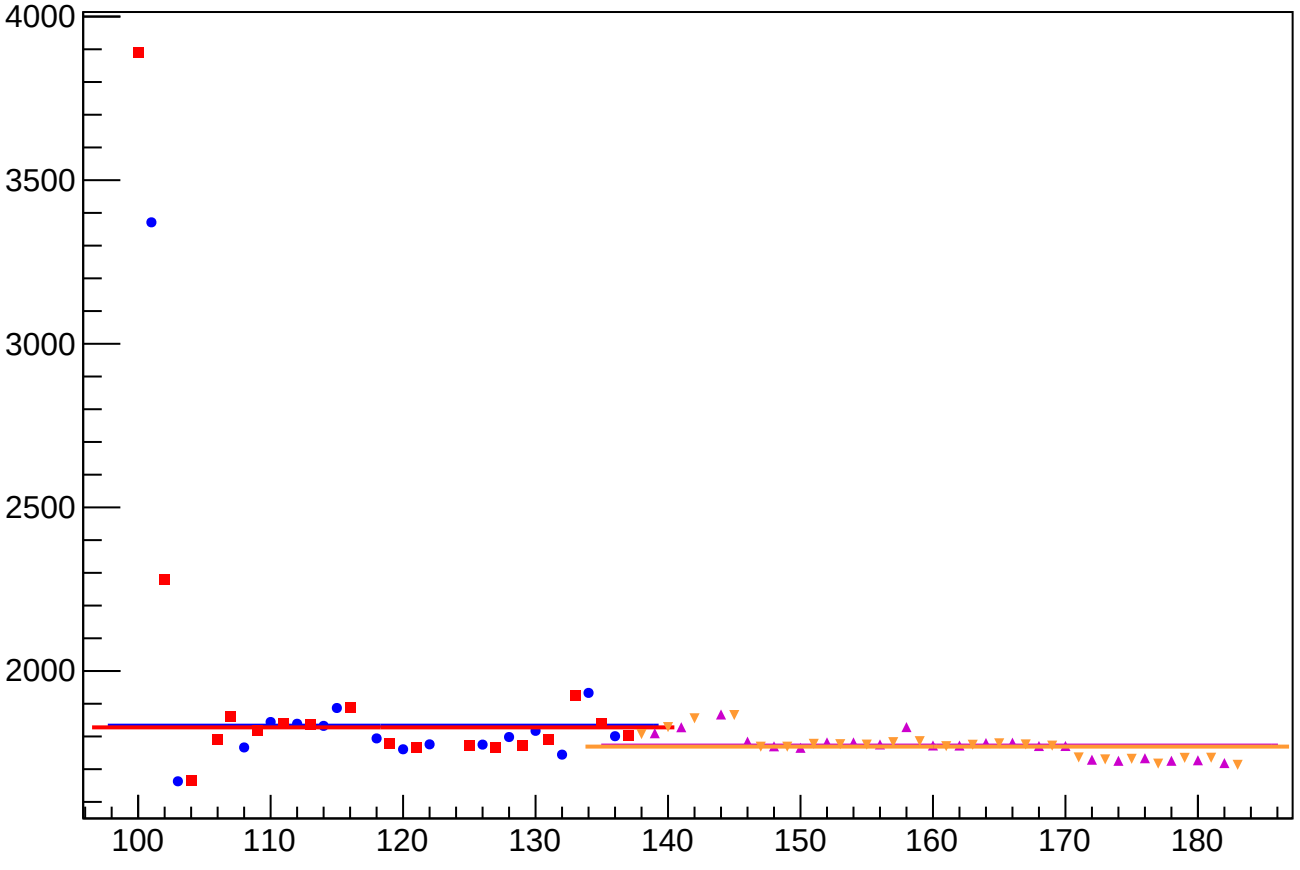
Left In: 377.446+/-417.253 χ^2/NDF:25.0/21

+ sign -997.080+/-354.585 χ^2/NDF: 34.8/38

All: -313.727+/-251.321 χ^2/NDF: 79.3/78

- sign 376.115+/-356.265 χ^2/NDF: 37.0/39

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1769.001+/-0.292 χ^2/NDF:15758.2/22

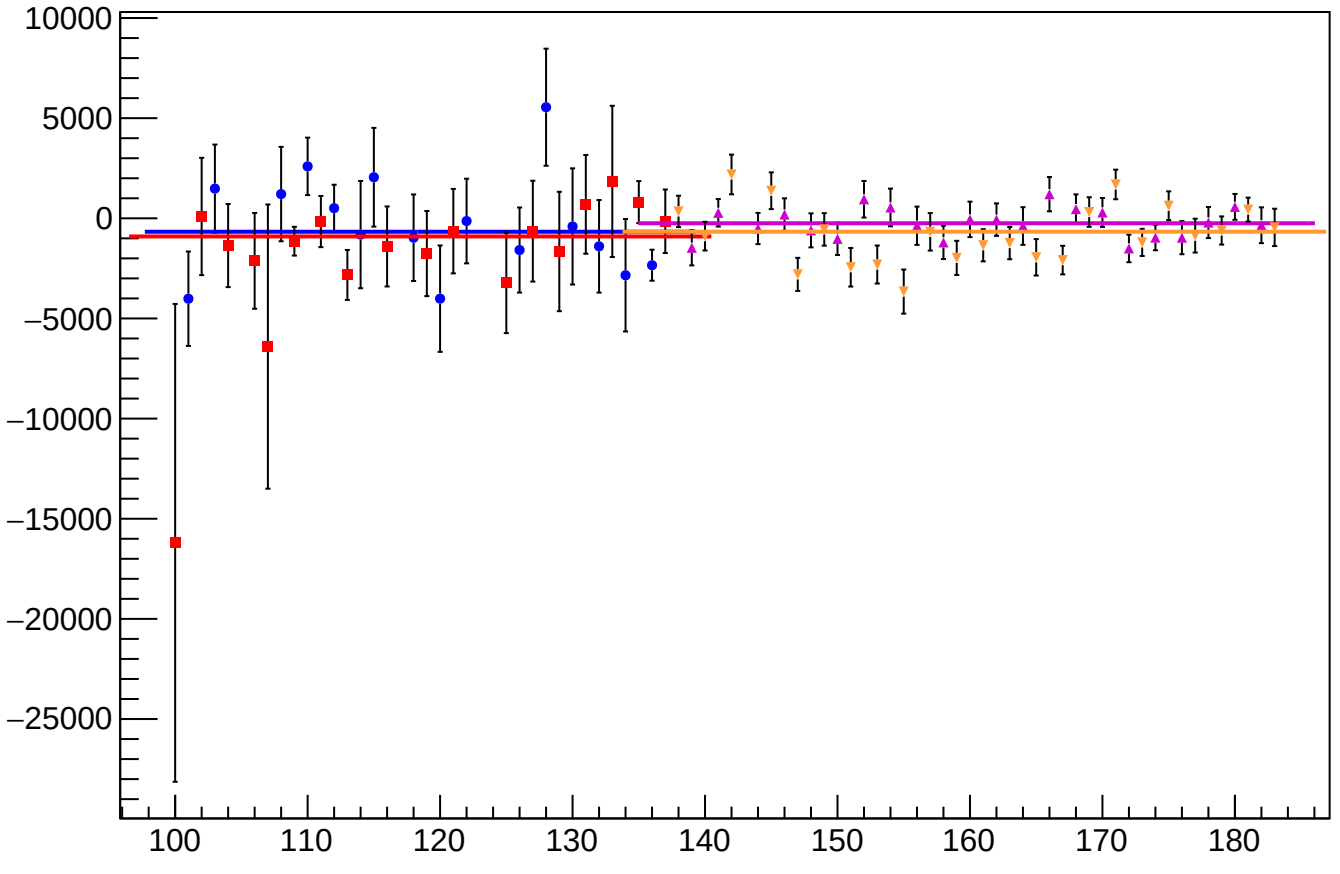
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1772.148+/-0.295 χ^2/NDF:15849.2/21

\+ sign 1785.936+/-0.251 χ^2/NDF: 323863.3/38

All: 1786.577+/-0.178 χ^2/NDF: 451631.5/78

\- sign 1787.224+/-0.252 χ^2/NDF: 127755.0/39



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -667.786+/-167.362 χ^2/NDF:64.3/22

Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

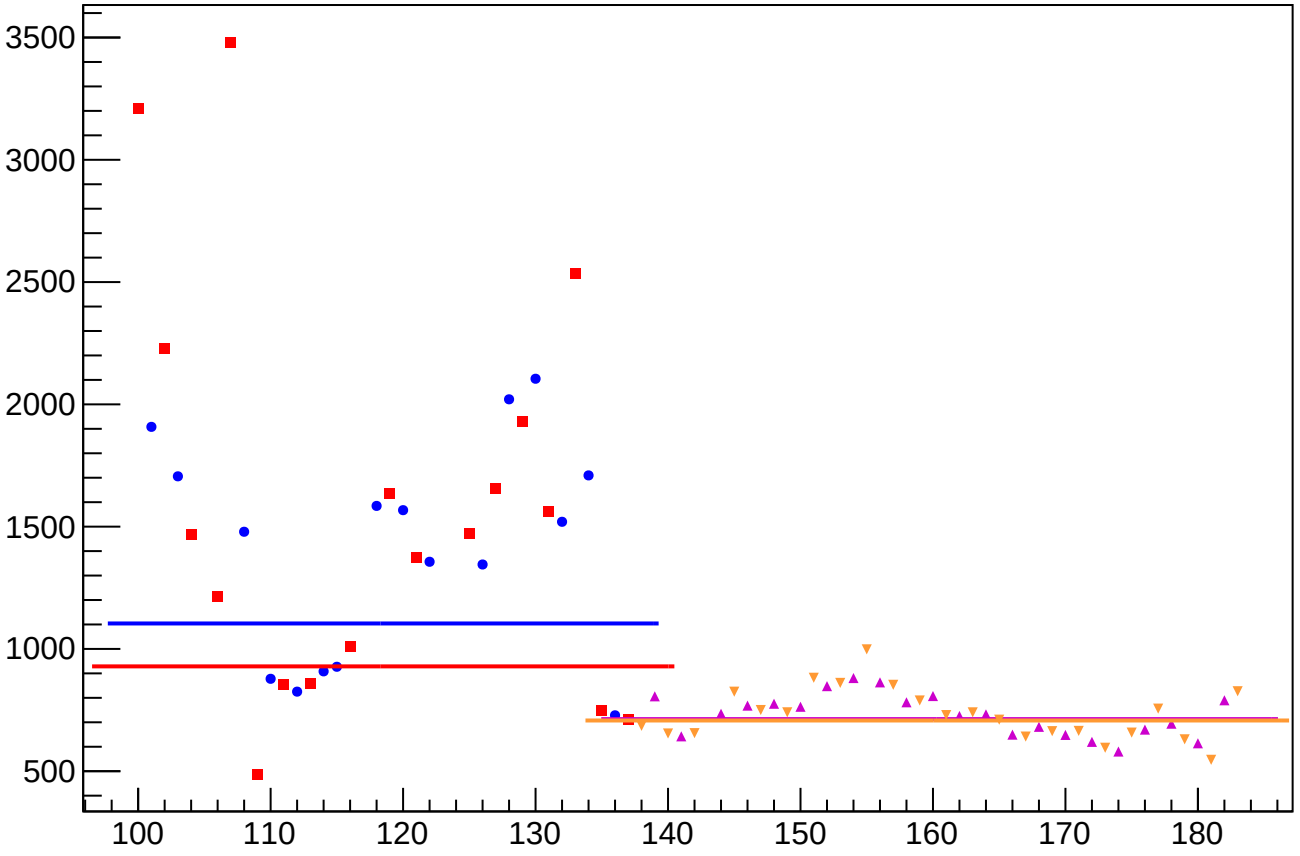
Left In: -246.900+/-169.451 χ^2/NDF:19.2/21

+ sign -668.131+/-156.540 χ^2/NDF: 87.1/38

All: -507.926+/-110.398 χ^2/NDF: 121.3/78

- sign -349.405+/-155.715 χ^2/NDF: 32.1/39

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 707.376+/-0.118 χ^2/NDF:692018.5/22

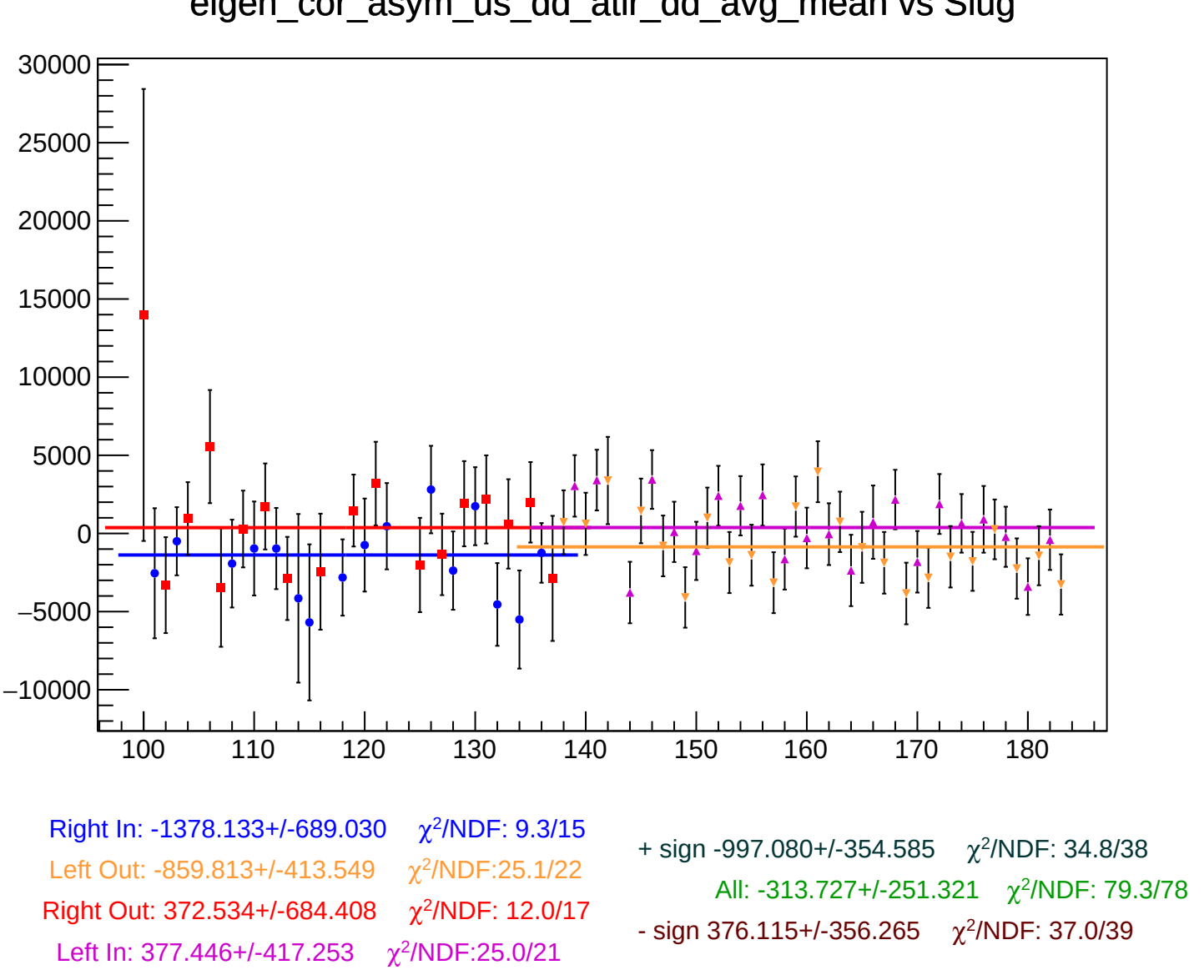
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 713.083+/-0.120 χ^2/NDF:491089.1/21

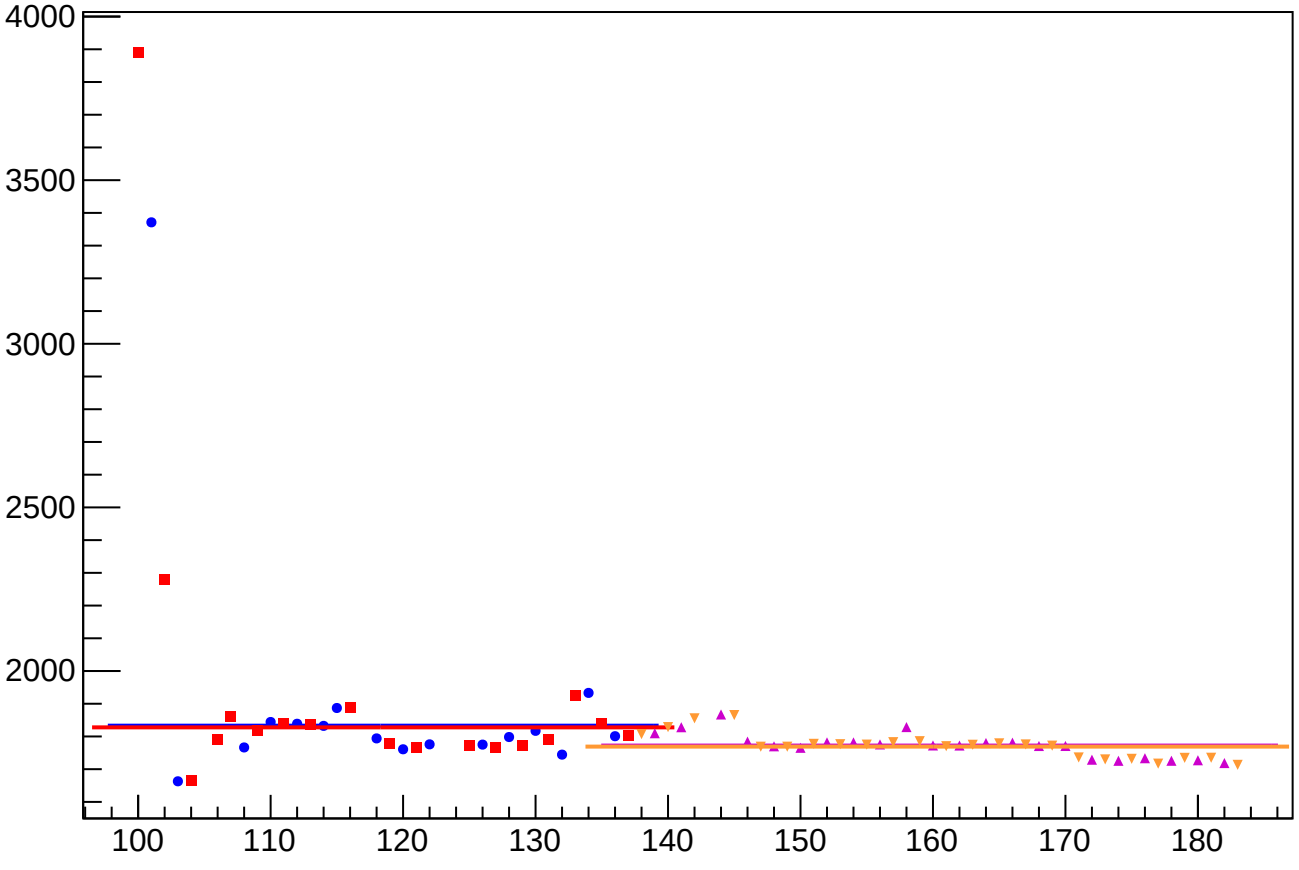
\+ sign 757.024+/-0.111 χ^2/NDF: 3992913.0/38

All: 751.790+/-0.078 χ^2/NDF: 8046210.8/78

\- sign 746.612+/-0.110 χ^2/NDF: 4048850.1/39


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -859.813+/-413.549 χ²/NDF:25.1/22
Right Out: 372.534+/-684.408 χ²/NDF: 12.0/17
Left In: 377.446+/-417.253 χ²/NDF:25.0/21
+ sign -997.080+/-354.585 χ²/NDF: 34.8/38
All: -313.727+/-251.321 χ²/NDF: 79.3/78
- sign 376.115+/-356.265 χ²/NDF: 37.0/39

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1769.001+/-0.292 χ^2/NDF:15758.2/22

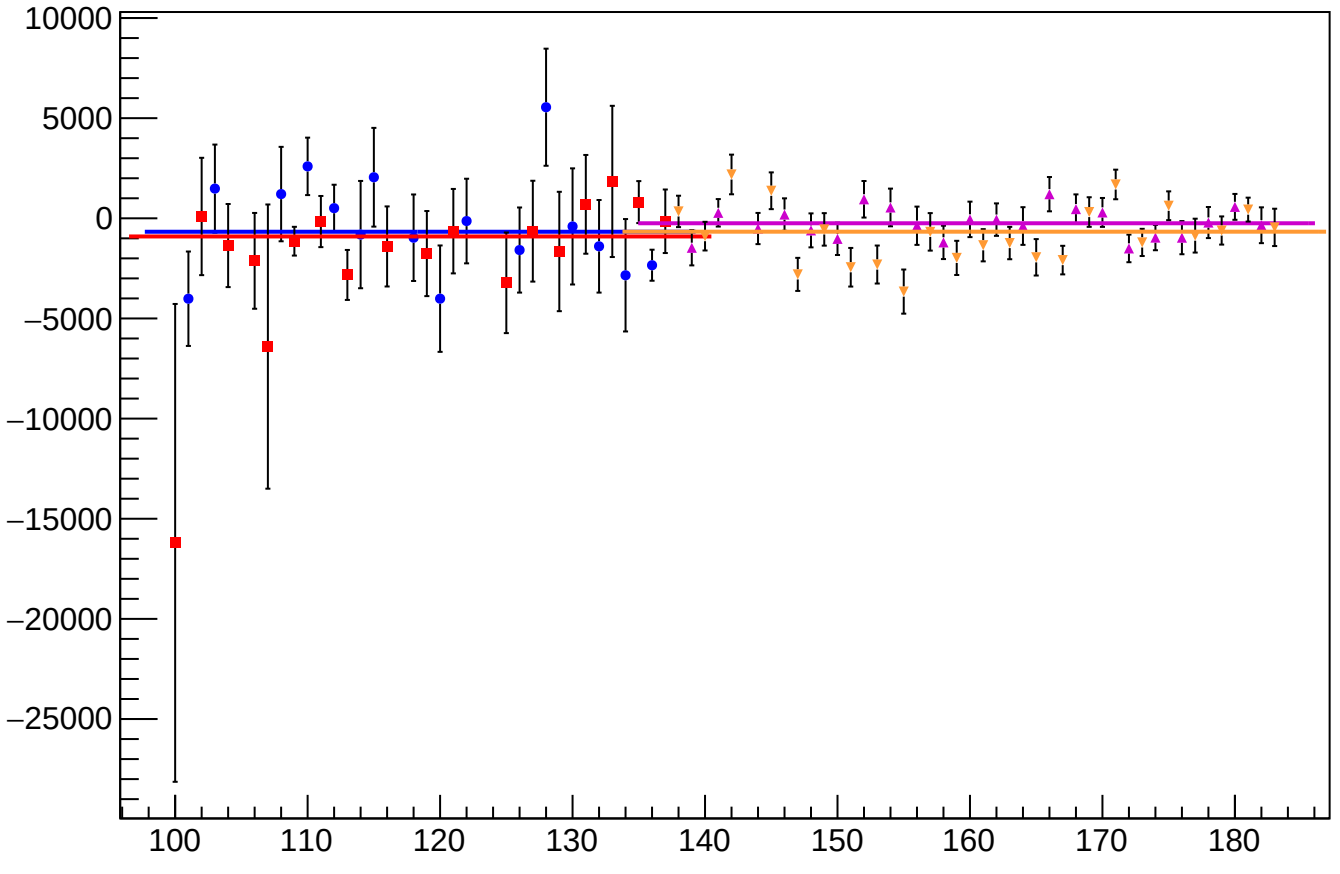
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1772.148+/-0.295 χ^2/NDF:15849.2/21

+ sign 1785.936+/-0.251 χ^2/NDF: 323863.3/38

All: 1786.577+/-0.178 χ^2/NDF: 451631.5/78

- sign 1787.224+/-0.252 χ^2/NDF: 127755.0/39



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -667.786+/-167.362 χ^2/NDF:64.3/22

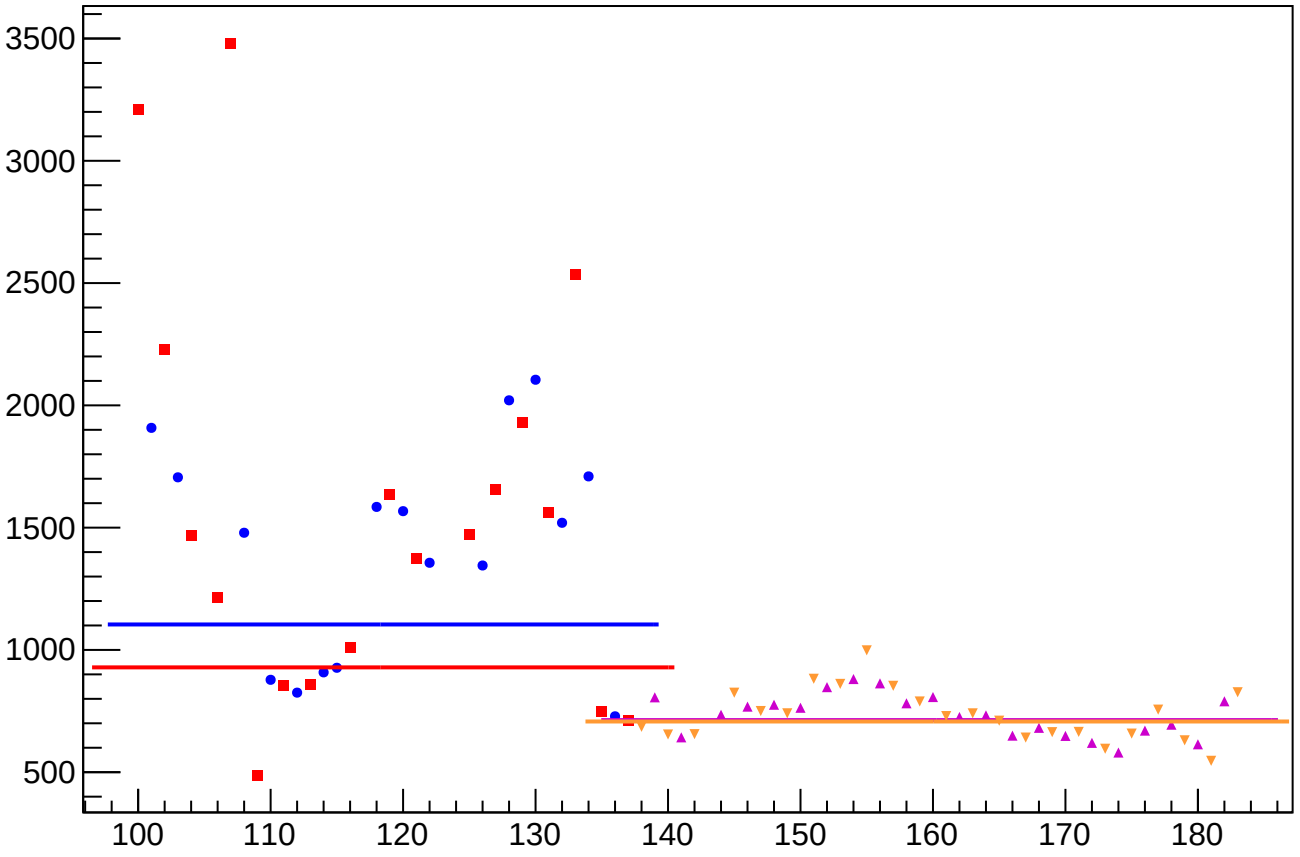
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -246.900+/-169.451 χ^2/NDF:19.2/21

+ sign -668.131+/-156.540 χ^2/NDF: 87.1/38

All: -507.926+/-110.398 χ^2/NDF: 121.3/78

- sign -349.405+/-155.715 χ^2/NDF: 32.1/39



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 707.376+/-0.118 χ^2/NDF:692018.5/22

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

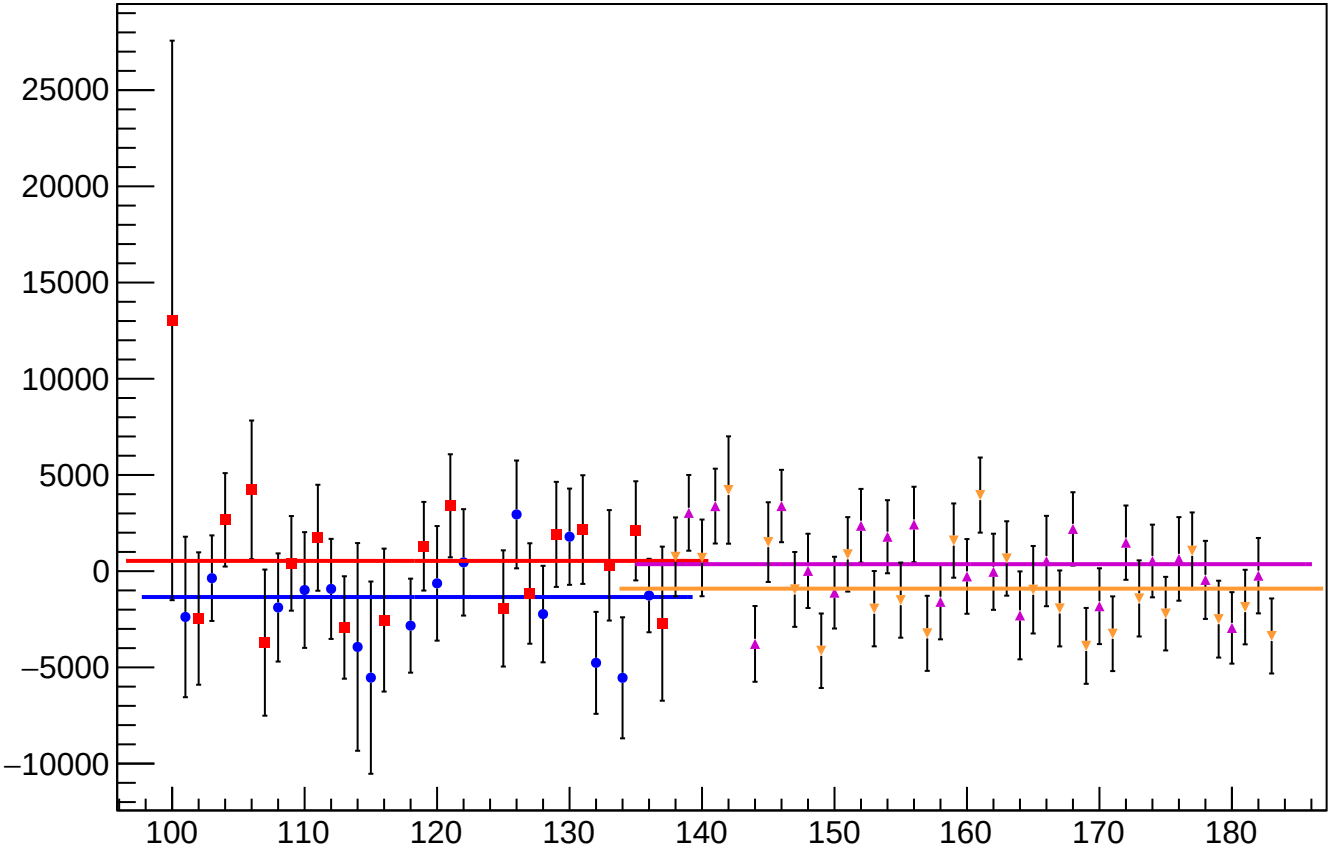
Left In: 713.083+/-0.120 χ^2/NDF:491089.1/21

\+ sign 757.024+/-0.111 χ^2/NDF: 3992913.0/38

All: 751.790+/-0.078 χ^2/NDF: 8046210.8/78

\- sign 746.612+/-0.110 χ^2/NDF: 4048850.1/39

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -907.990+/-416.358 χ^2/NDF:28.0/22

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

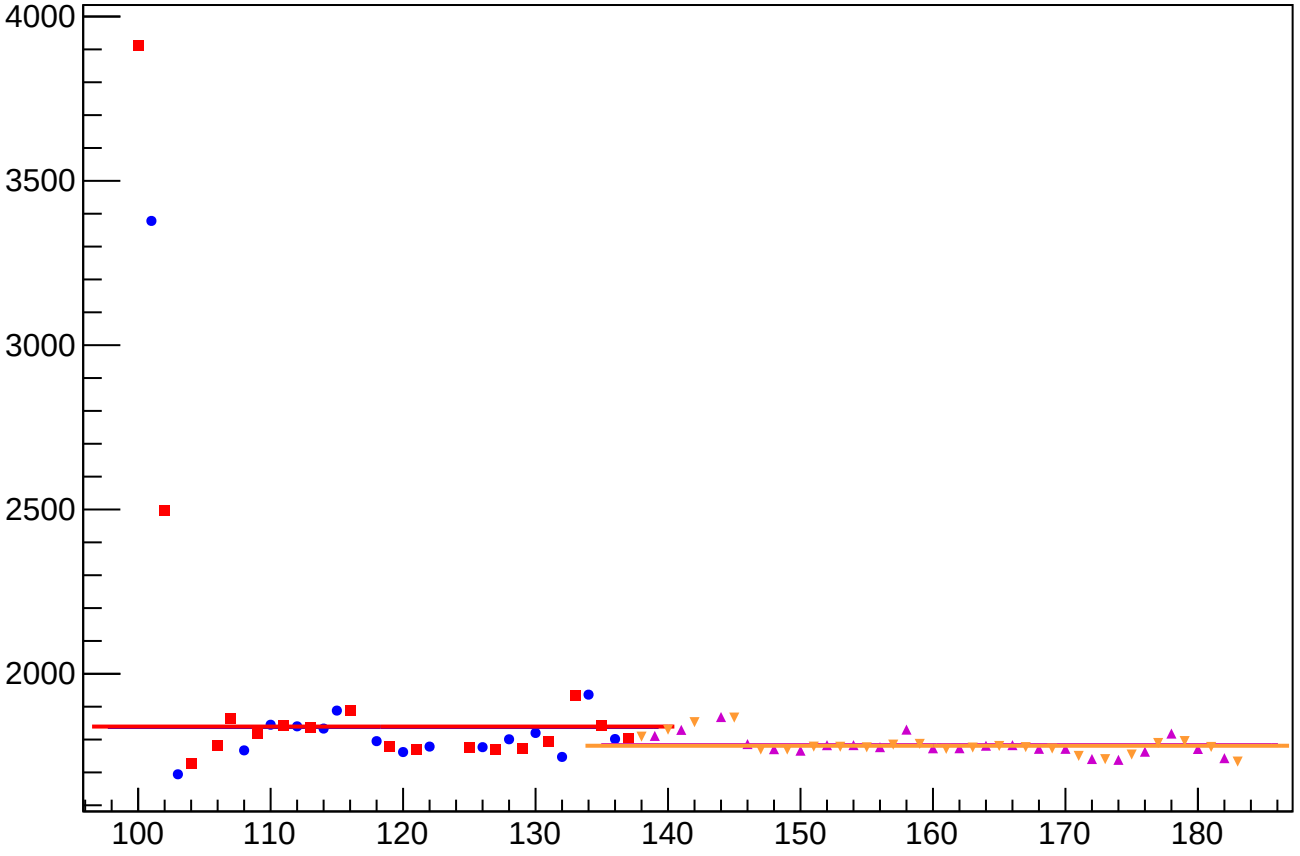
Left In: 363.467+/-419.822 χ^2/NDF:23.1/21

+ sign -1024.126+/-356.615 χ^2/NDF: 37.9/38

All: -311.668+/-252.930 χ^2/NDF: 80.2/78

- sign 409.499+/-358.788 χ^2/NDF: 34.3/39

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1781.144+/-0.294 χ^2/NDF:9722.9/22

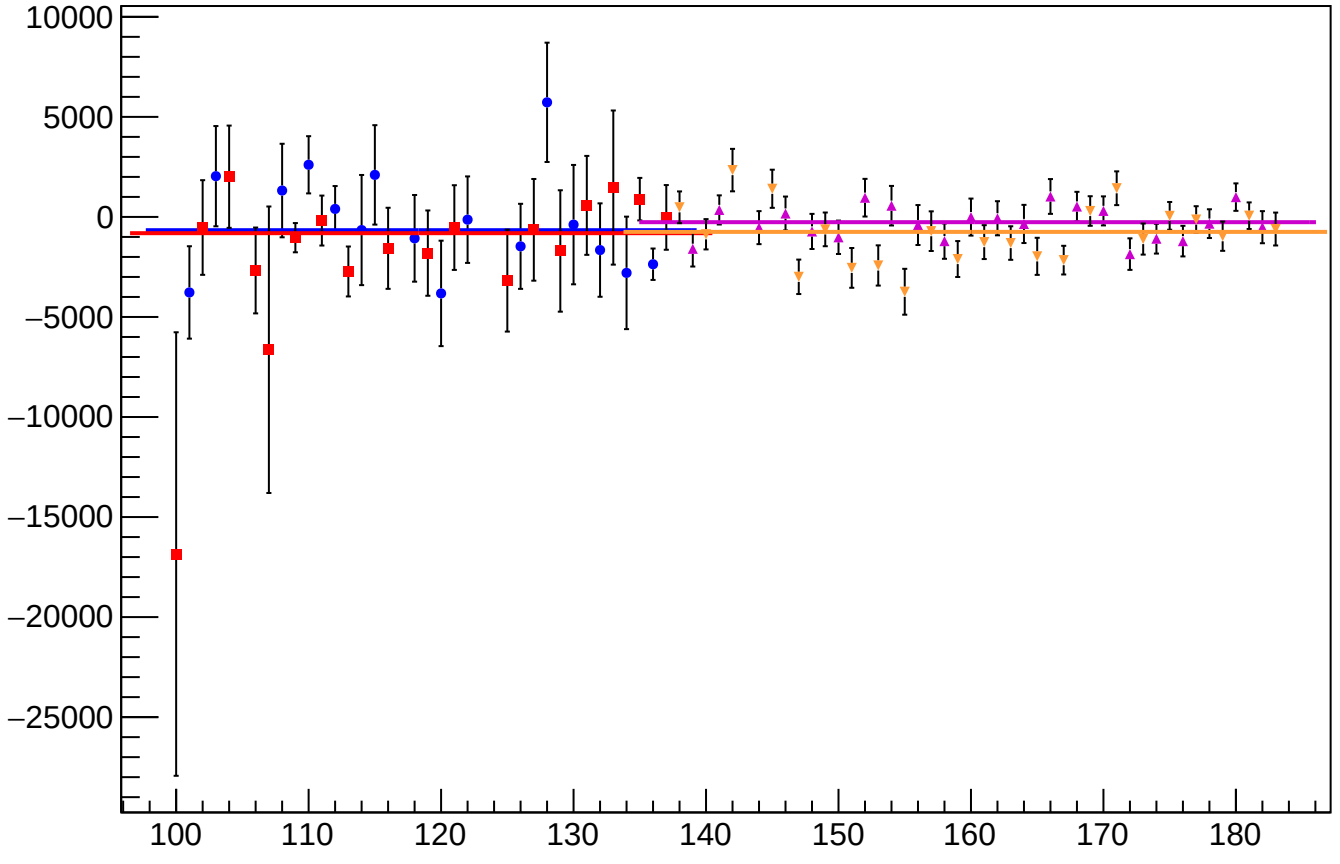
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1783.165+/-0.297 χ^2/NDF:10736.3/21

+ sign 1796.333+/-0.252 χ^2/NDF: 311697.5/38

All: 1797.339+/-0.179 χ^2/NDF: 460435.4/78

- sign 1798.359+/-0.254 χ^2/NDF: 148705.9/39



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -747.647+/-171.849 χ^2/NDF:57.1/22

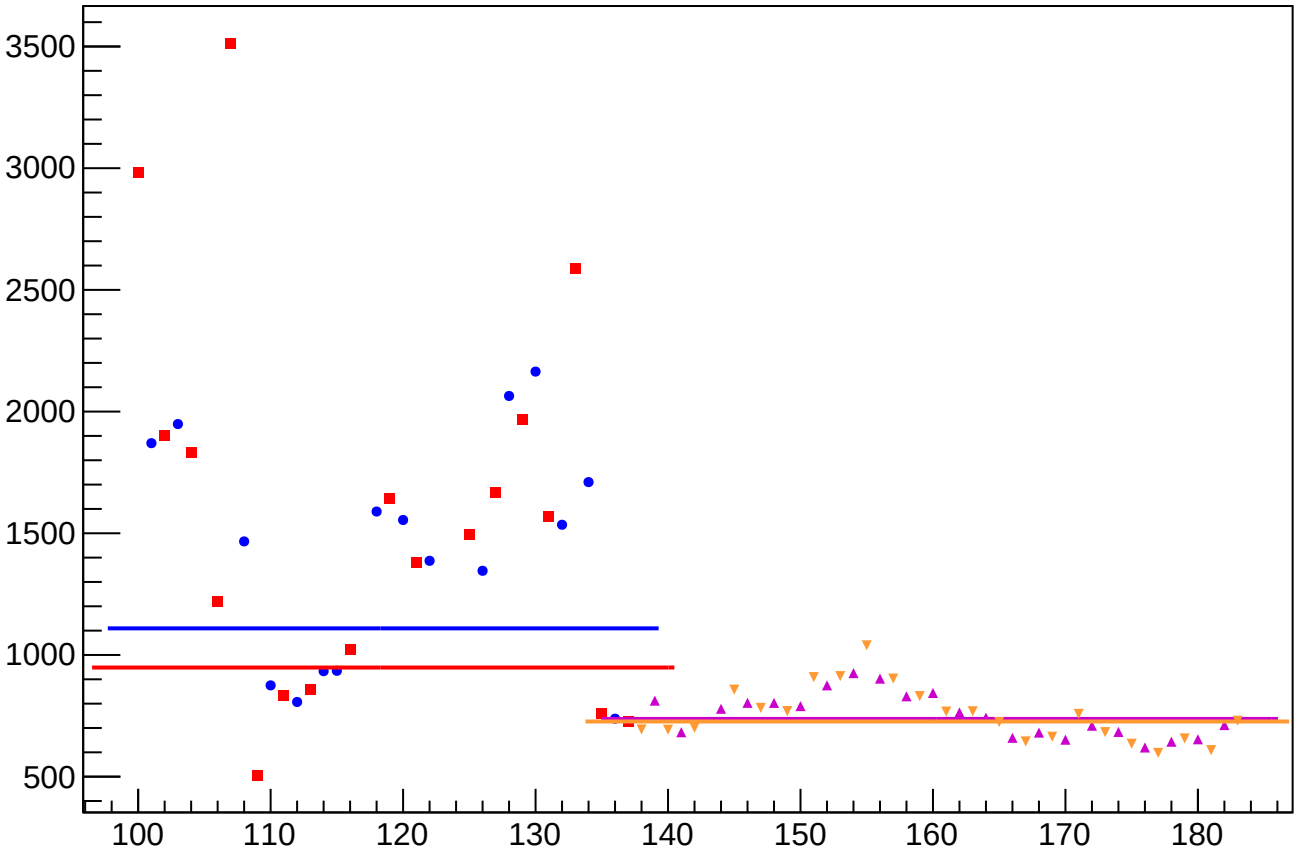
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -262.270+/-175.003 χ^2/NDF:22.3/21

+ sign -736.763+/-160.353 χ^2/NDF: 79.9/38

All: -543.971+/-113.314 χ^2/NDF: 119.0/78

- sign -351.672+/-160.147 χ^2/NDF: 36.2/39



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 726.676+/-0.122 χ^2/NDF:684760.3/22

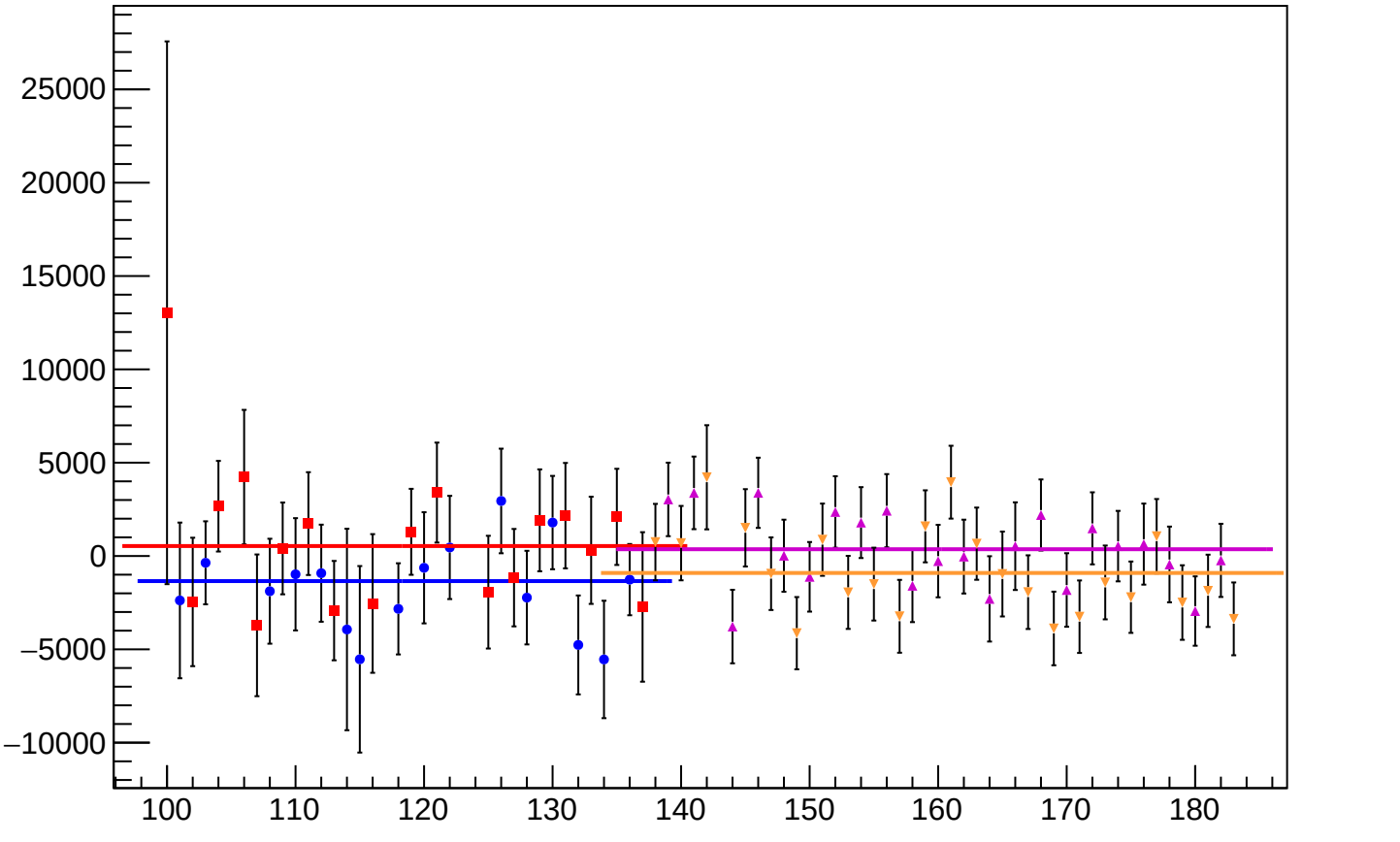
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 737.236+/-0.124 χ^2/NDF:464026.2/21

+ sign 776.165+/-0.113 χ^2/NDF: 3940725.1/38

All: 773.866+/-0.080 χ^2/NDF: 7932813.0/78

- sign 771.572+/-0.113 χ^2/NDF: 3991266.3/39



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -907.988+/-416.358 χ^2/NDF:28.0/22

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

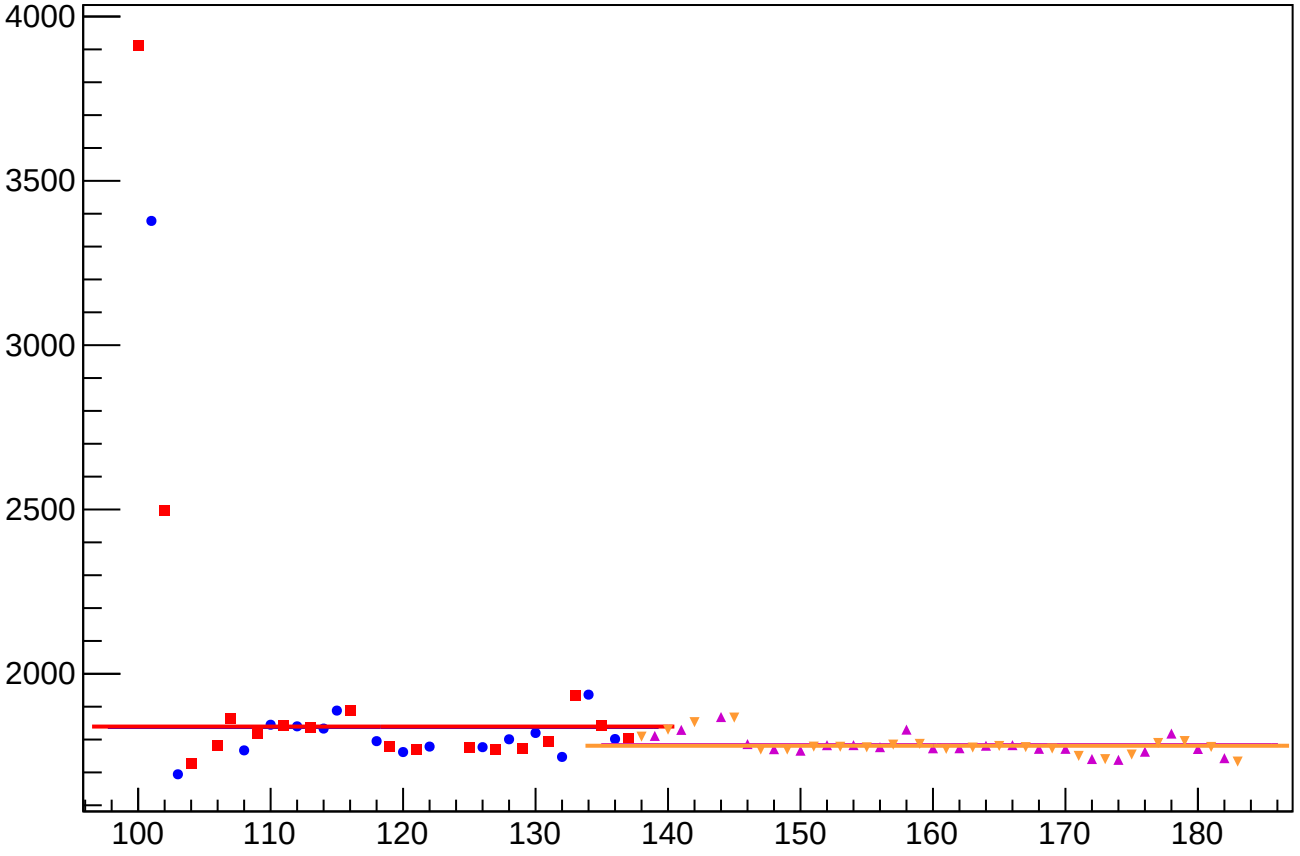
Left In: 363.467+/-419.822 χ^2/NDF:23.1/21

\+ sign -1024.125+/-356.615 χ^2/NDF: 37.9/38

All: -311.668+/-252.930 χ^2/NDF: 80.2/78

\- sign 409.500+/-358.788 χ^2/NDF: 34.3/39

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1781.144+/-0.294 χ^2/NDF:9722.9/22

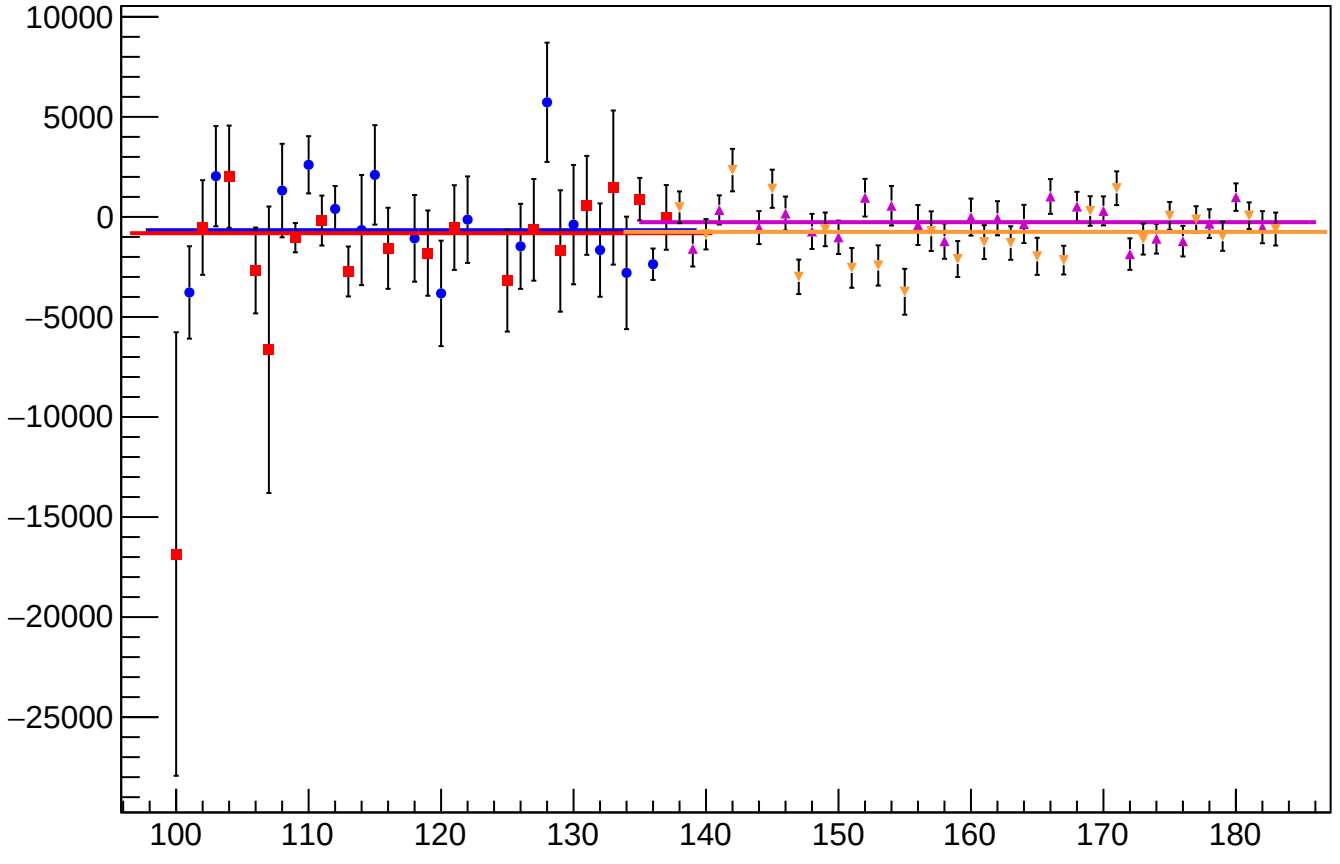
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1783.164+/-0.297 χ^2/NDF:10736.3/21

+ sign 1796.332+/-0.252 χ^2/NDF: 311697.5/38

All: 1797.339+/-0.179 χ^2/NDF: 460435.6/78

- sign 1798.359+/-0.254 χ^2/NDF: 148706.0/39



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -747.648+/-171.849 χ^2/NDF:57.1/22

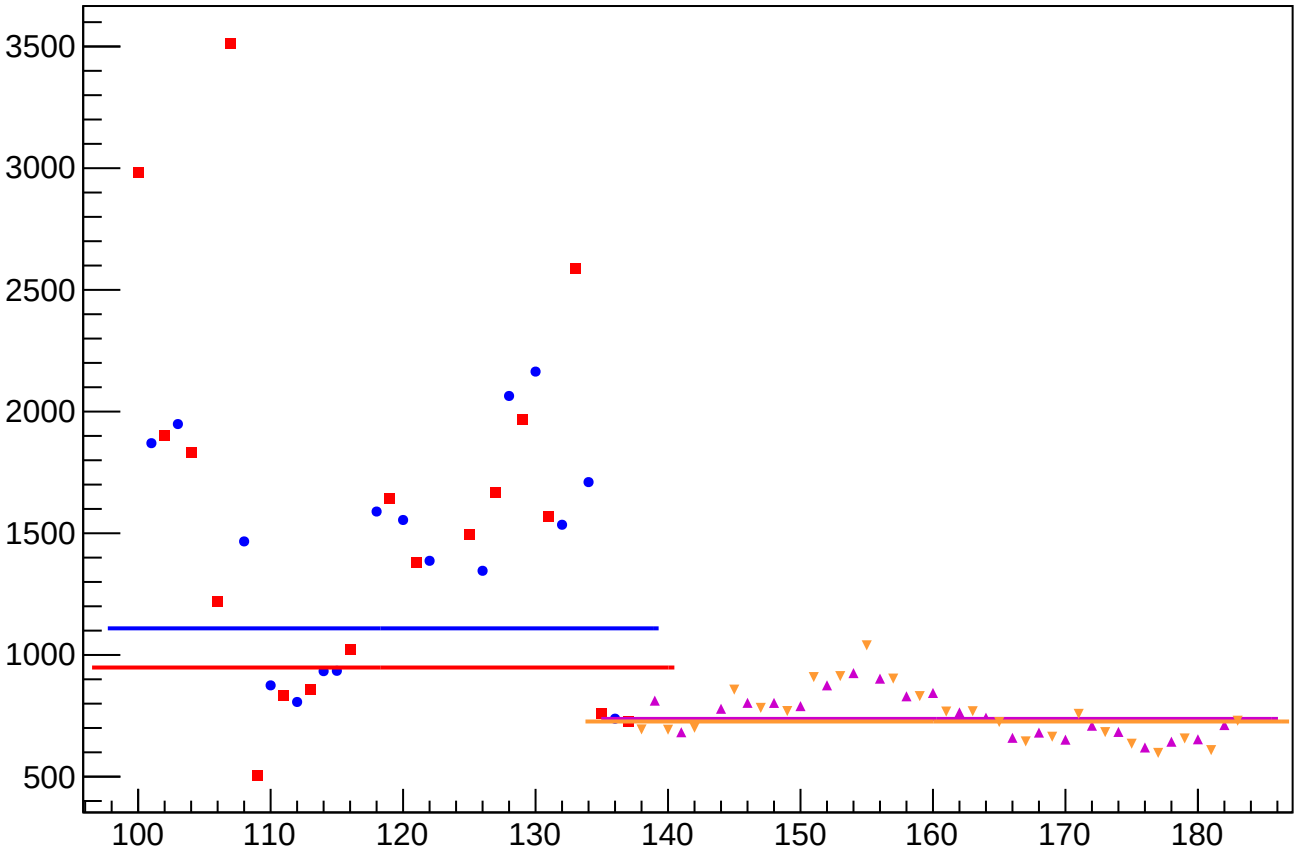
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -262.268+/-175.003 χ^2/NDF:22.3/21

+ sign -736.763+/-160.353 χ^2/NDF: 79.9/38

All: -543.970+/-113.314 χ^2/NDF: 119.0/78

- sign -351.671+/-160.147 χ^2/NDF: 36.2/39



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 726.676+/-0.122 χ^2/NDF:684756.4/22

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

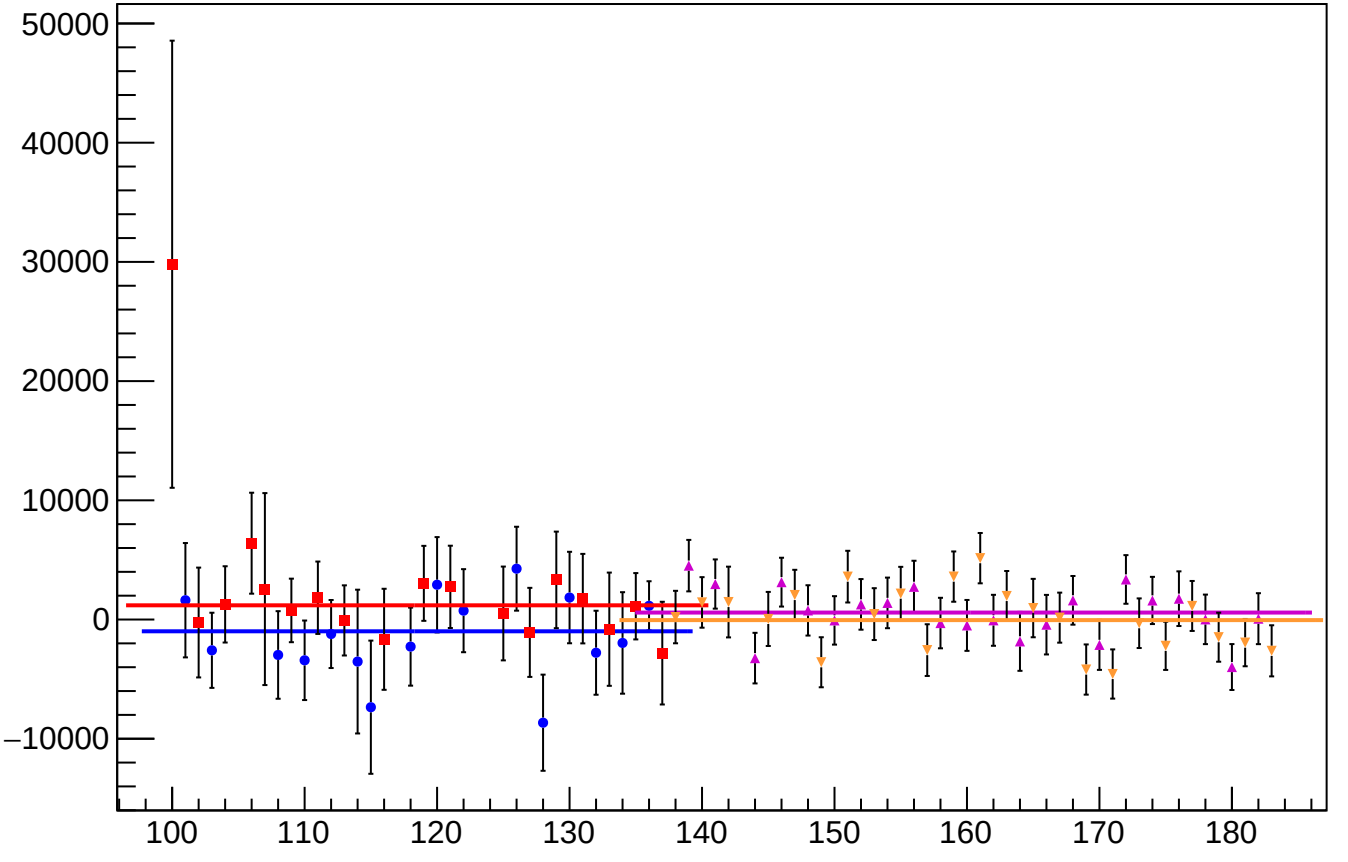
Left In: 737.235+/-0.124 χ^2/NDF:464038.1/21

+ sign 776.166+/-0.113 χ^2/NDF: 3940697.3/38

All: 773.866+/-0.080 χ^2/NDF: 7932783.9/78

- sign 771.572+/-0.113 χ^2/NDF: 3991264.7/39

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: -49.310+/-448.827 χ^2/NDF:33.0/22

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

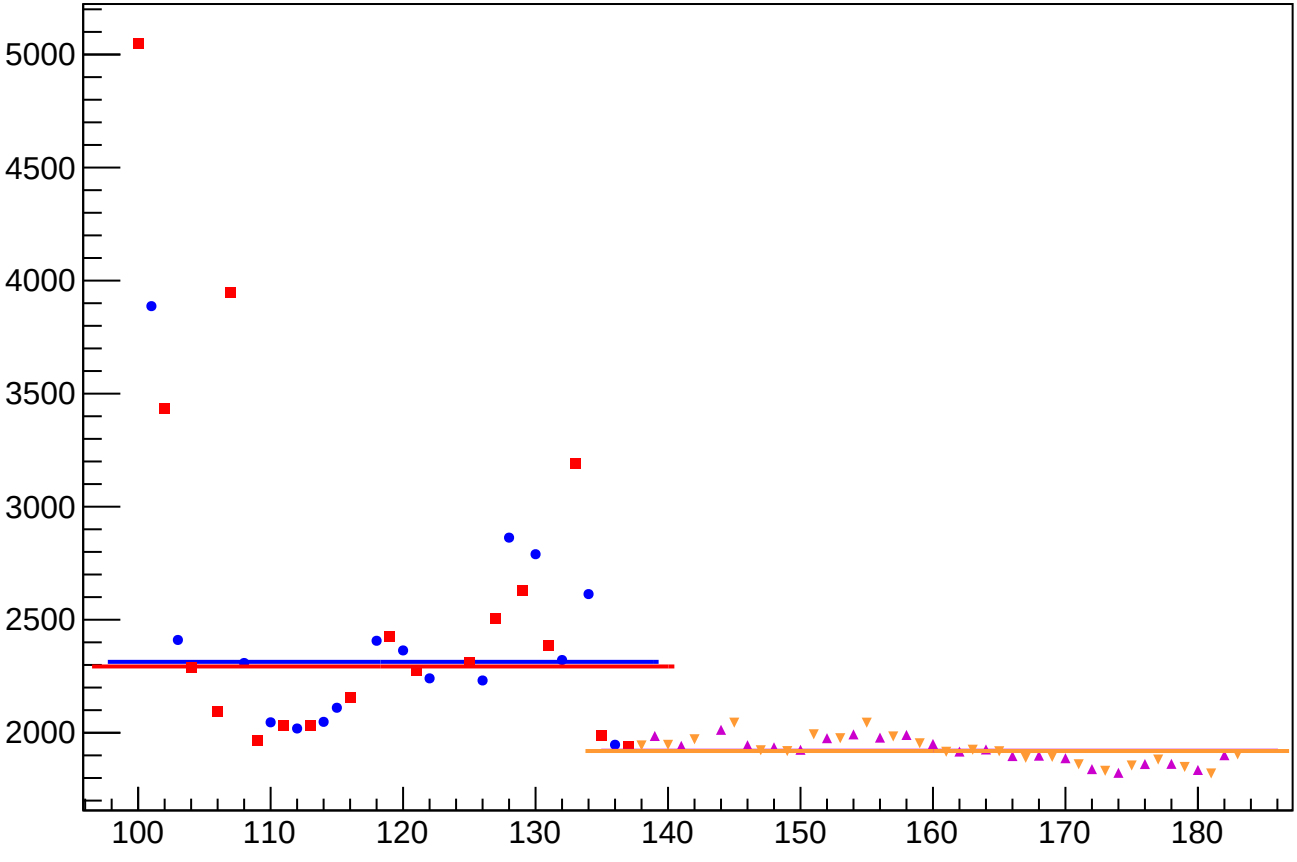
Left In: 584.425+/-452.321 χ^2/NDF:22.5/21

+ sign -245.158+/-399.244 χ^2/NDF: 45.8/38

All: 231.705+/-283.055 χ^2/NDF: 78.6/78

- sign 713.645+/-401.364 χ^2/NDF: 29.9/39

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1919.306+/-0.317 χ^2/NDF:35498.8/22

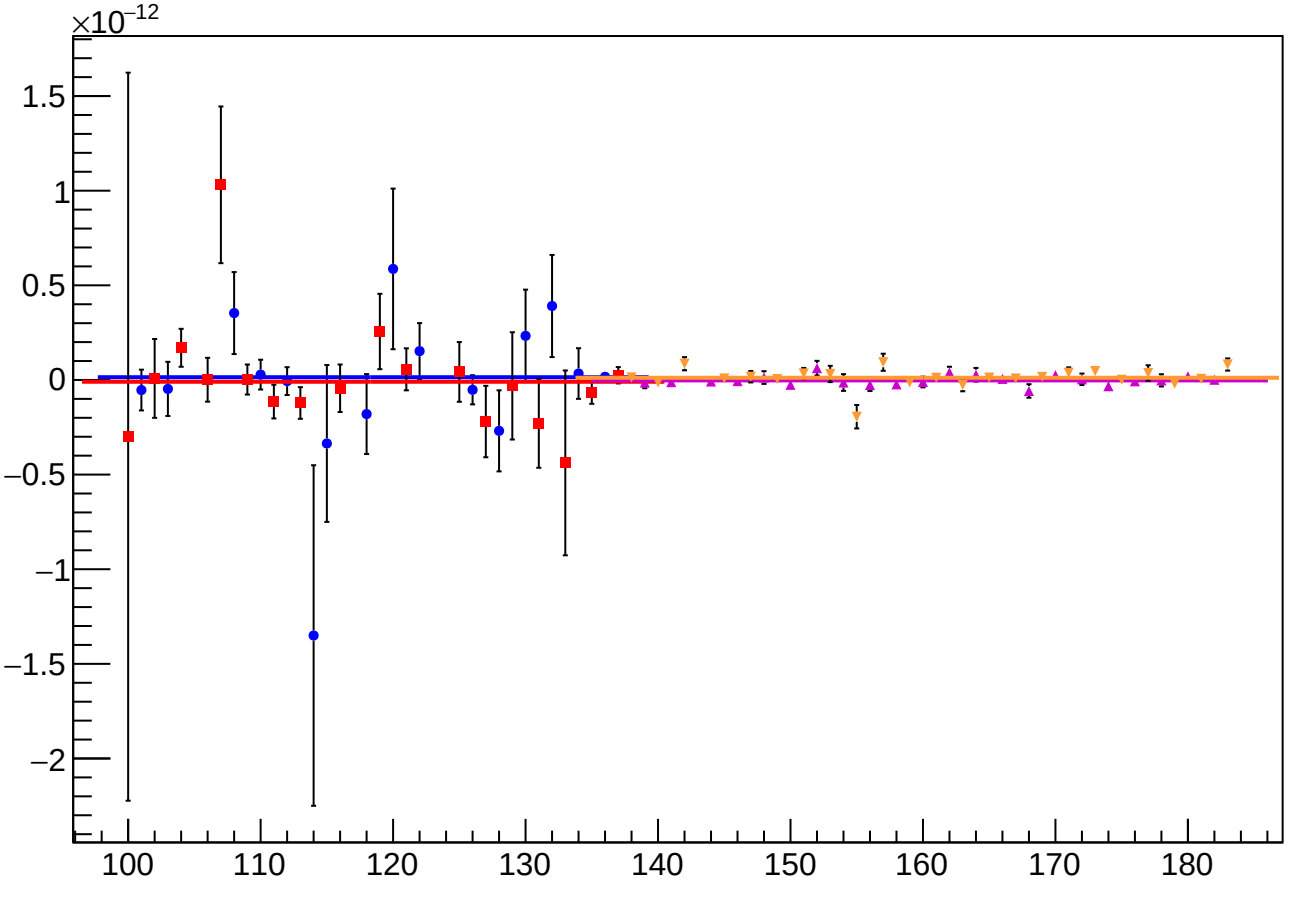
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1920.620+/-0.320 χ^2/NDF:29815.5/21

+ sign 2001.642+/-0.282 χ^2/NDF: 760685.7/38

All: 2000.753+/-0.200 χ^2/NDF: 1532365.3/78

- sign 1999.855+/-0.284 χ^2/NDF: 771659.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.8/22

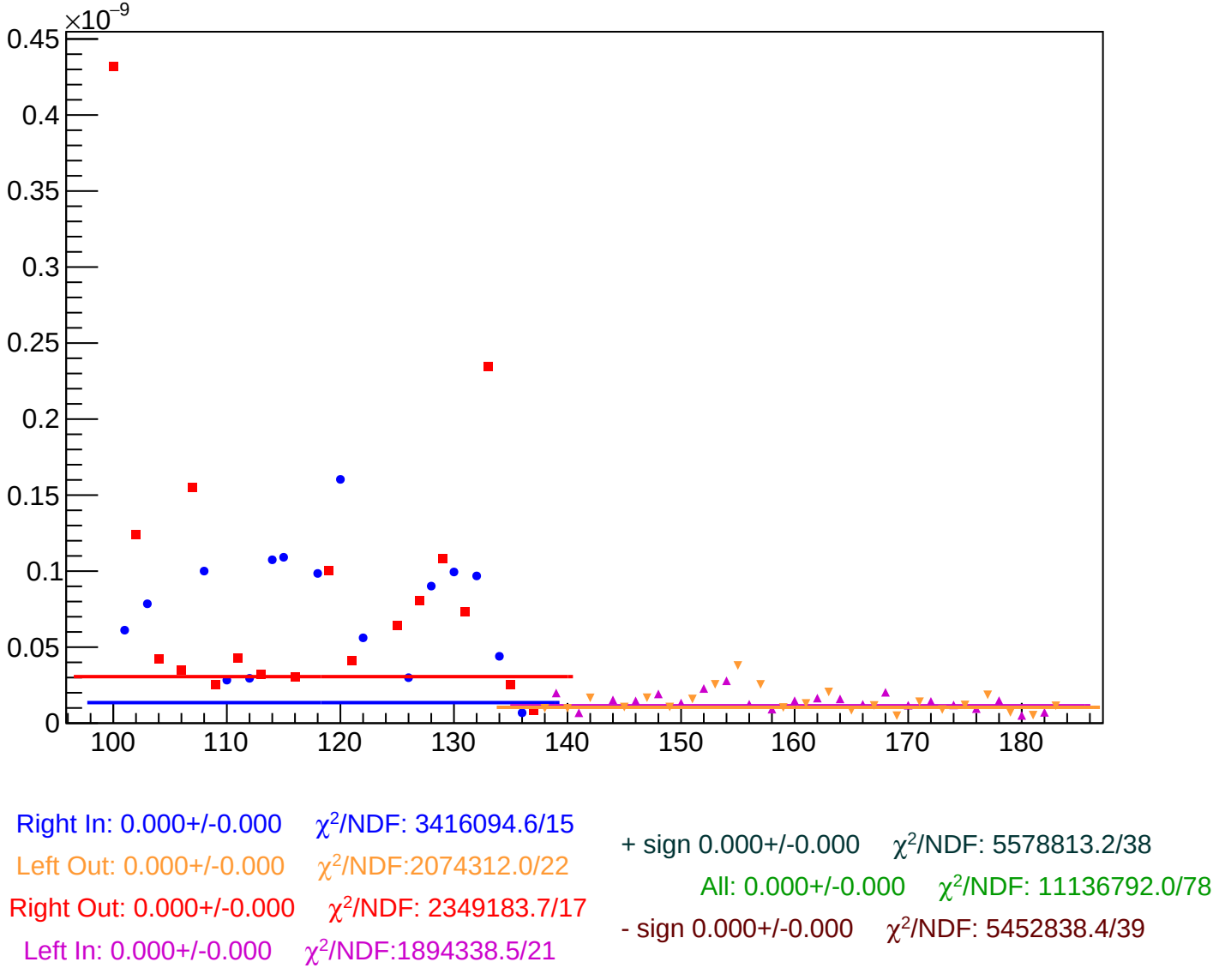
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

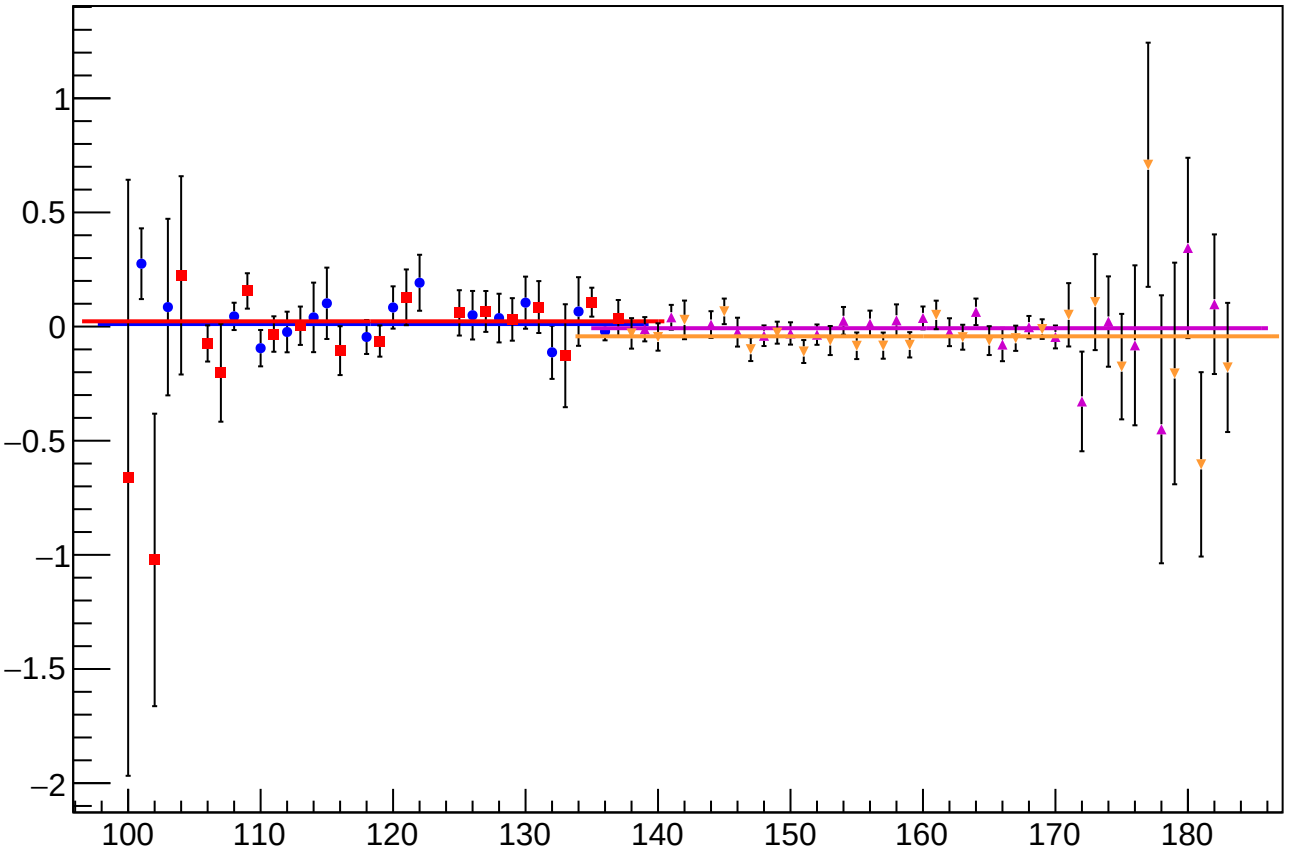
Left In: -0.000+/-0.000 χ^2/NDF:17.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/38

All: 0.000+/-0.000 χ^2/NDF: 94.1/78

- sign -0.000+/-0.000 χ^2/NDF: 37.5/39


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2074312.0/22
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:1894338.5/21
+ sign 0.000+/-0.000 χ²/NDF: 5578813.2/38
All: 0.000+/-0.000 χ²/NDF: 11136792.0/78
- sign 0.000+/-0.000 χ²/NDF: 5452838.4/39



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:17.6/22

Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

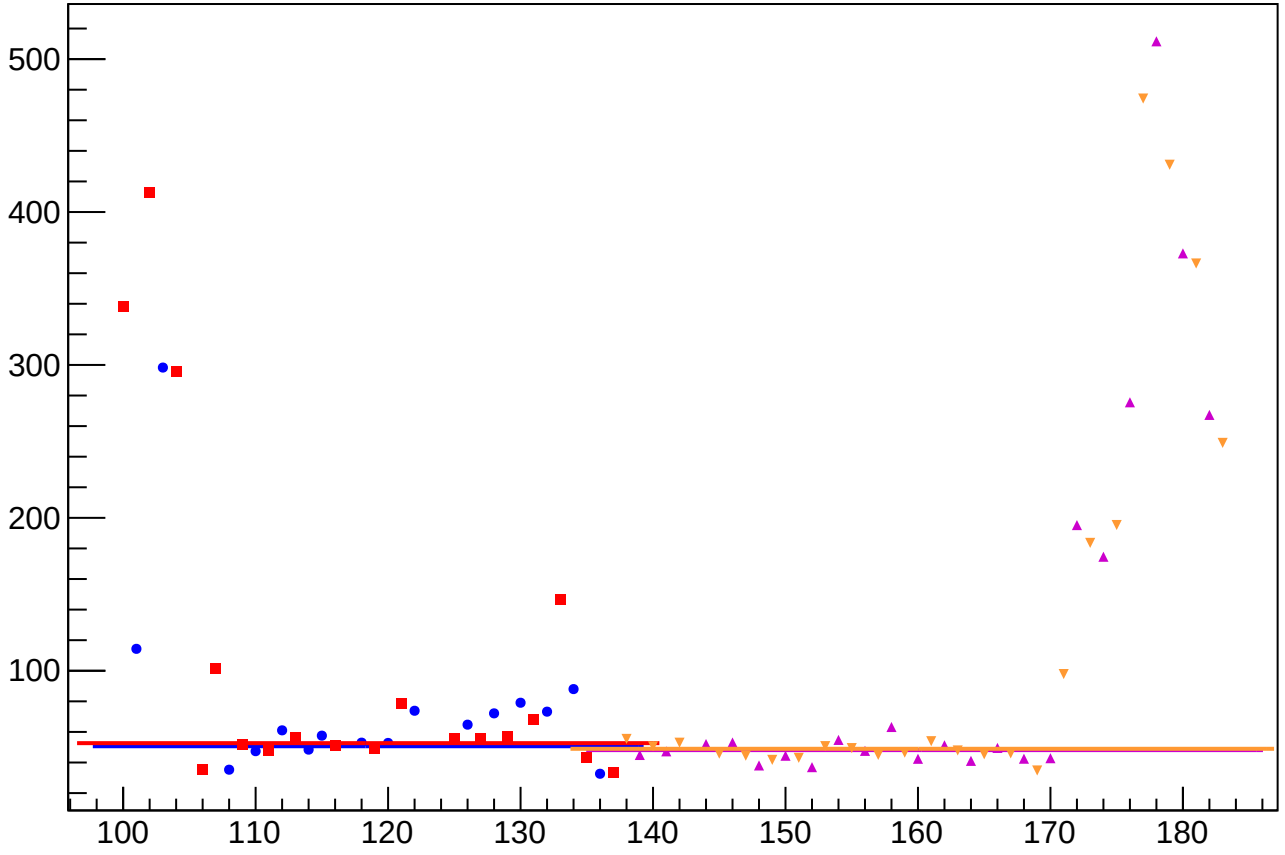
Left In: -0.007+/-0.014 χ^2/NDF:10.4/21

+ sign -0.027+/-0.012 χ^2/NDF: 33.7/38

All: -0.013+/-0.008 χ^2/NDF: 64.1/78

- sign 0.001+/-0.012 χ^2/NDF: 27.6/39

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.974+/-0.010 χ^2/NDF:6988599.8/22

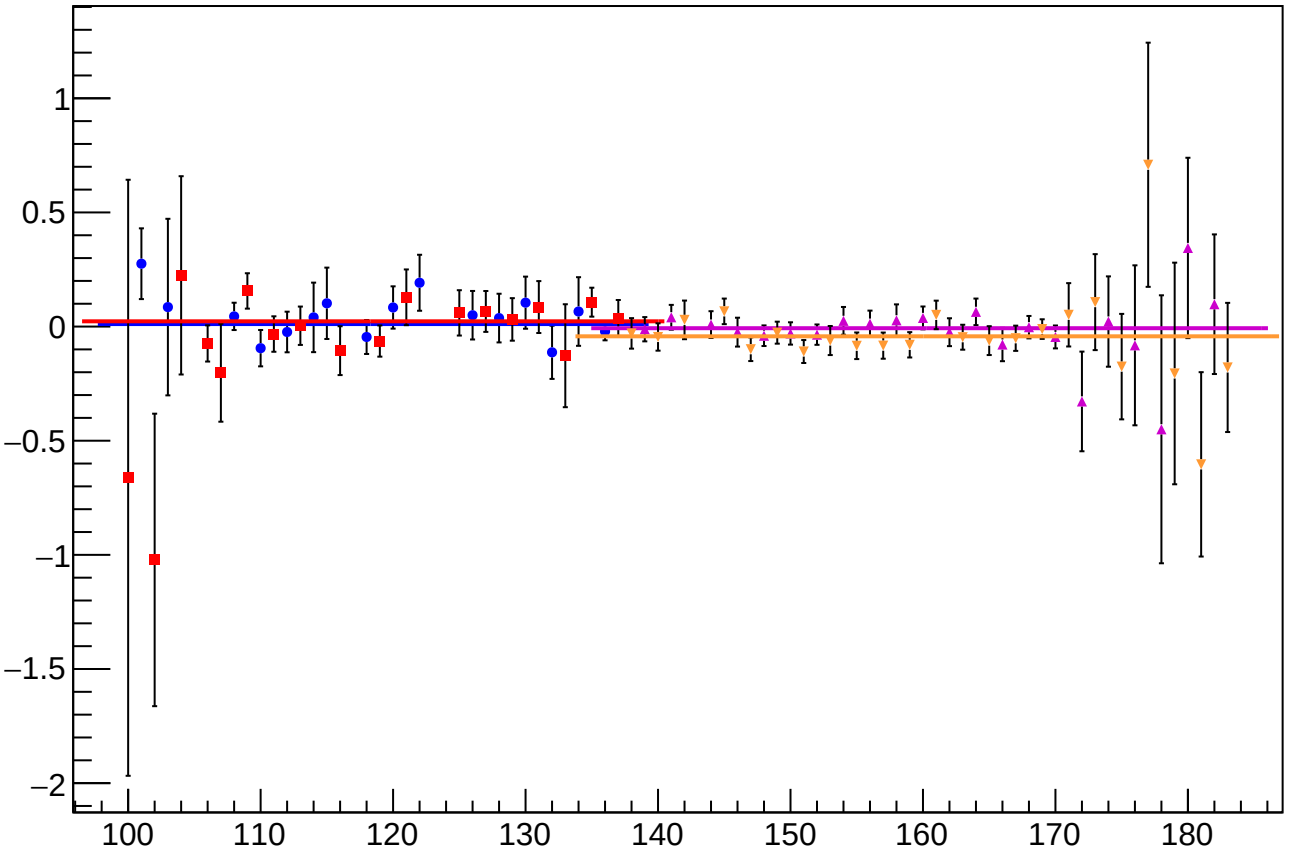
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.114+/-0.010 χ^2/NDF:6687818.6/21

\+ sign 49.455+/-0.008 χ^2/NDF: 9263359.3/38

All: 49.365+/-0.006 χ^2/NDF: 18221145.2/78

\- sign 49.276+/-0.008 χ^2/NDF: 8957549.8/39



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:17.6/22

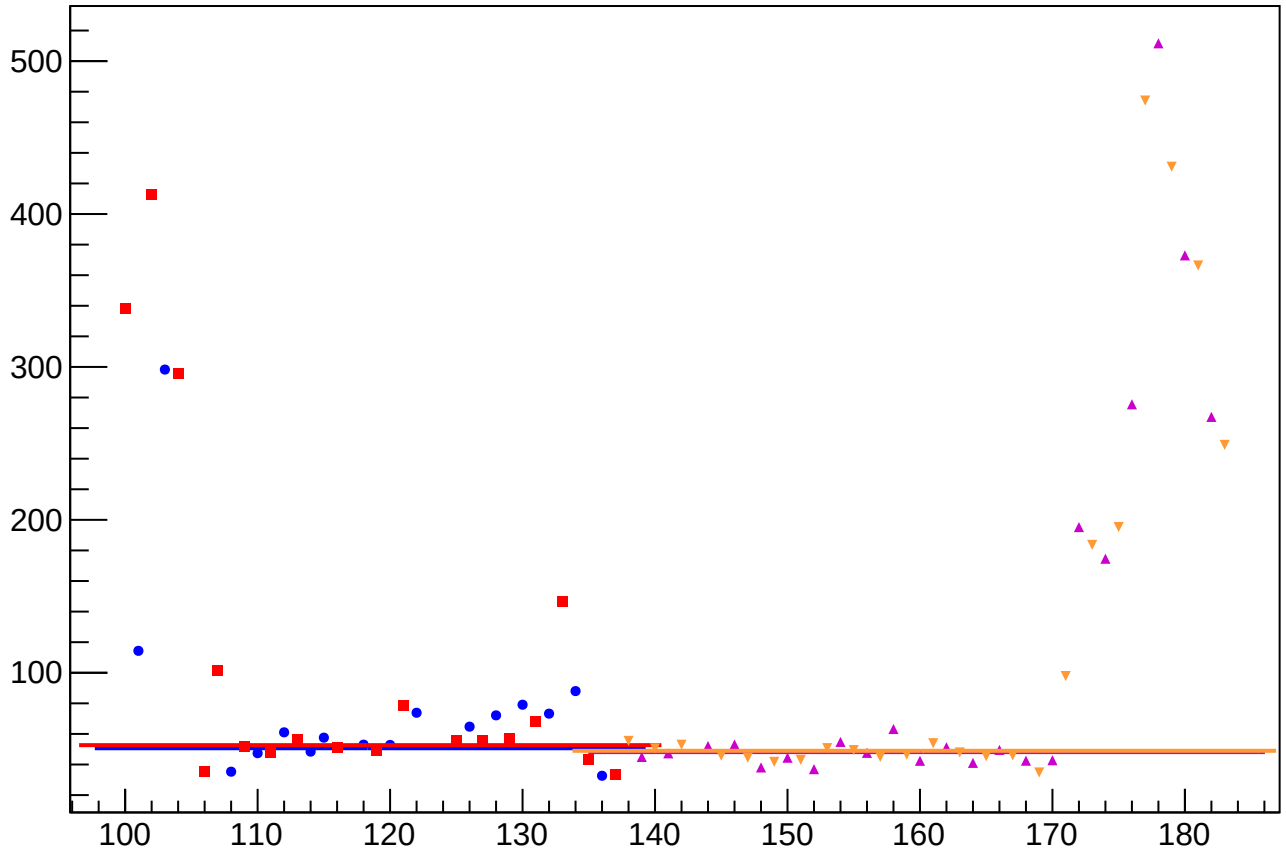
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:10.4/21

+ sign -0.027+/-0.012 χ^2/NDF: 33.7/38

All: -0.013+/-0.008 χ^2/NDF: 64.1/78

- sign 0.001+/-0.012 χ^2/NDF: 27.6/39



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.974+/-0.010 χ^2/NDF:6988599.8/22

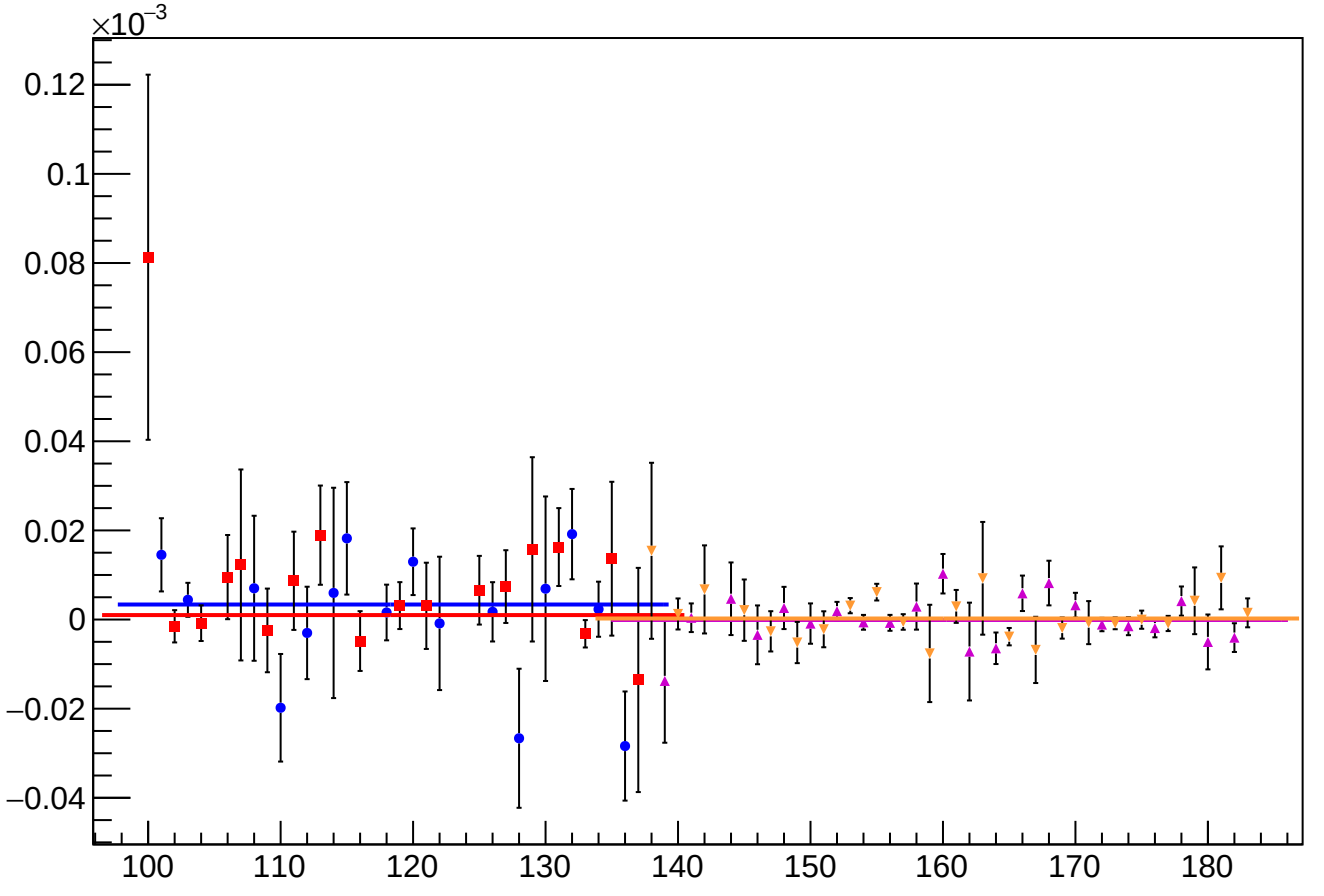
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.114+/-0.010 χ^2/NDF:6687818.6/21

+ sign 49.455+/-0.008 χ^2/NDF: 9263359.3/38

All: 49.365+/-0.006 χ^2/NDF: 18221145.2/78

- sign 49.276+/-0.008 χ^2/NDF: 8957549.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/22

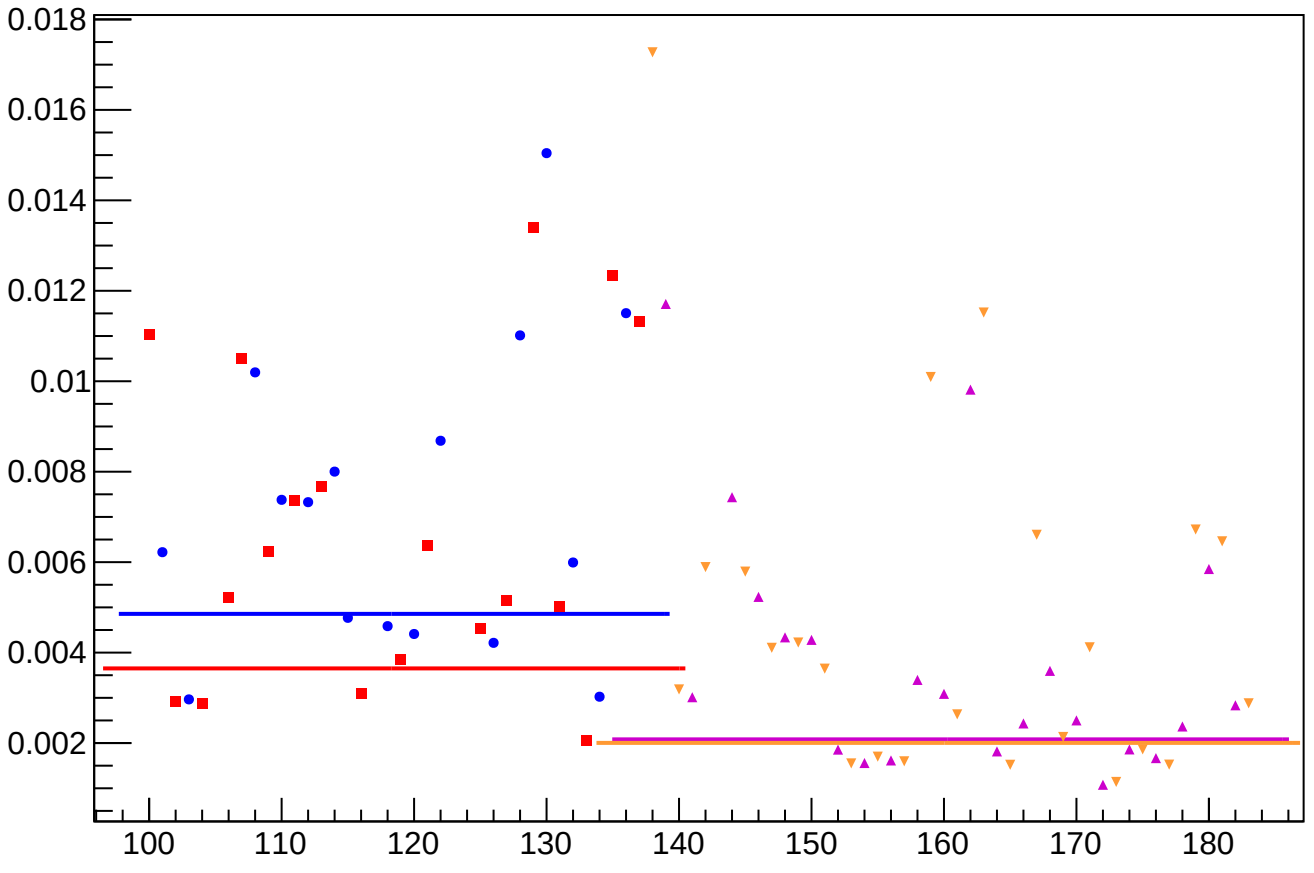
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:24.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/38

All: 0.000+/-0.000 χ^2/NDF: 93.9/78

- sign 0.000+/-0.000 χ^2/NDF: 42.1/39



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:10180494.8/22

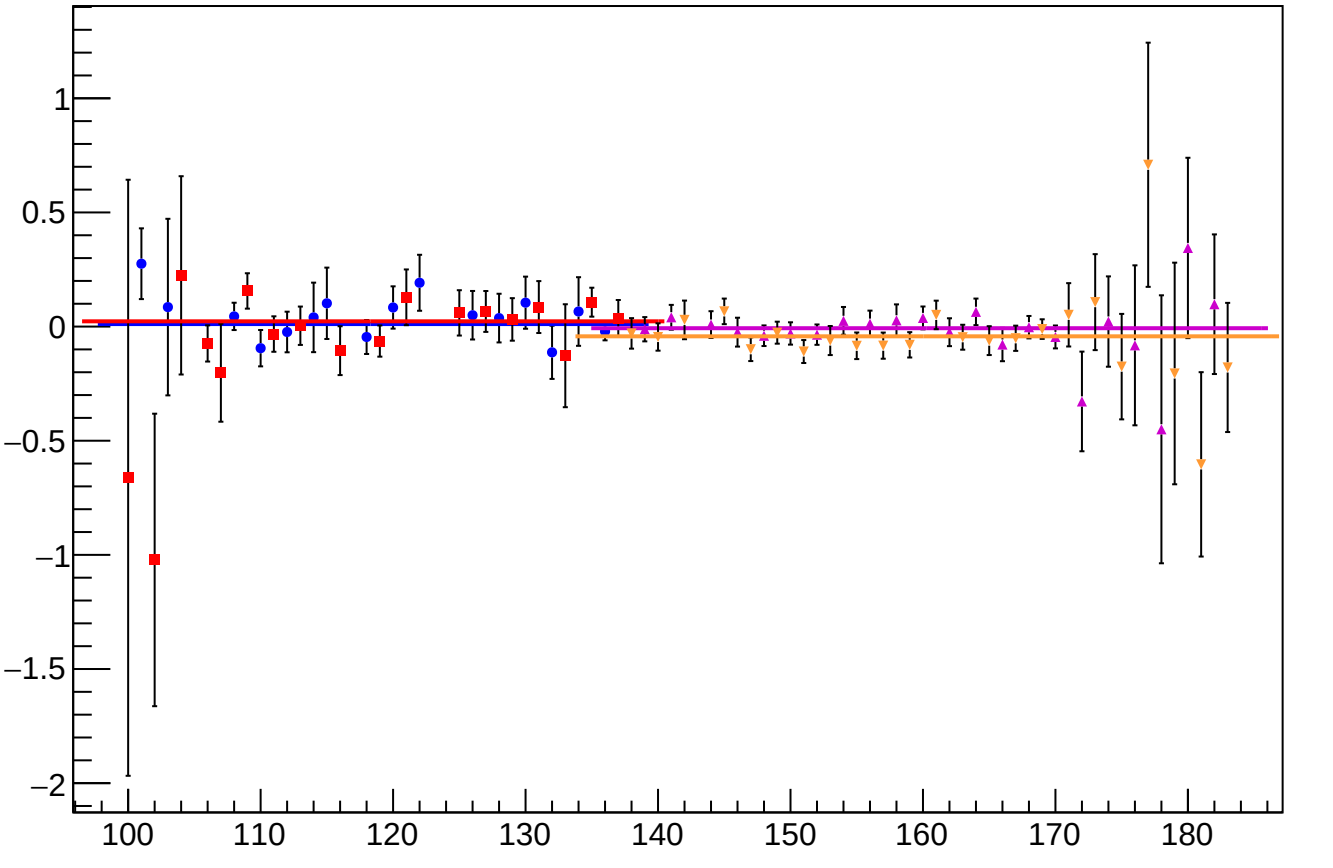
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:7081187.9/21

+ sign 0.002+/-0.000 χ^2/NDF: 16426564.3/38

All: 0.002+/-0.000 χ^2/NDF: 28381410.2/78

- sign 0.002+/-0.000 χ^2/NDF: 11930632.9/39



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:17.6/22

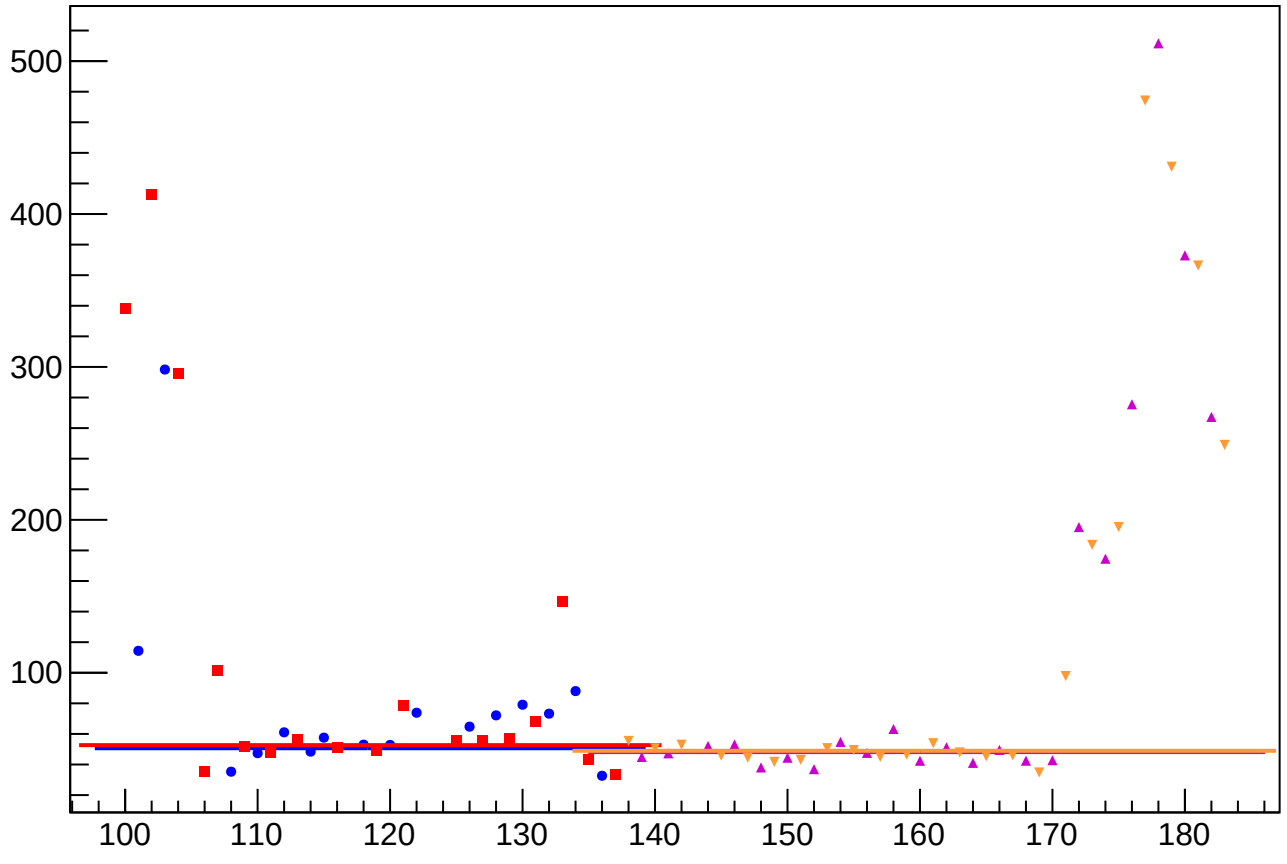
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:10.4/21

+ sign -0.027+/-0.012 χ^2/NDF: 33.7/38

All: -0.013+/-0.008 χ^2/NDF: 64.1/78

- sign 0.001+/-0.012 χ^2/NDF: 27.6/39



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.973+/-0.010 χ^2/NDF:6988612.2/22

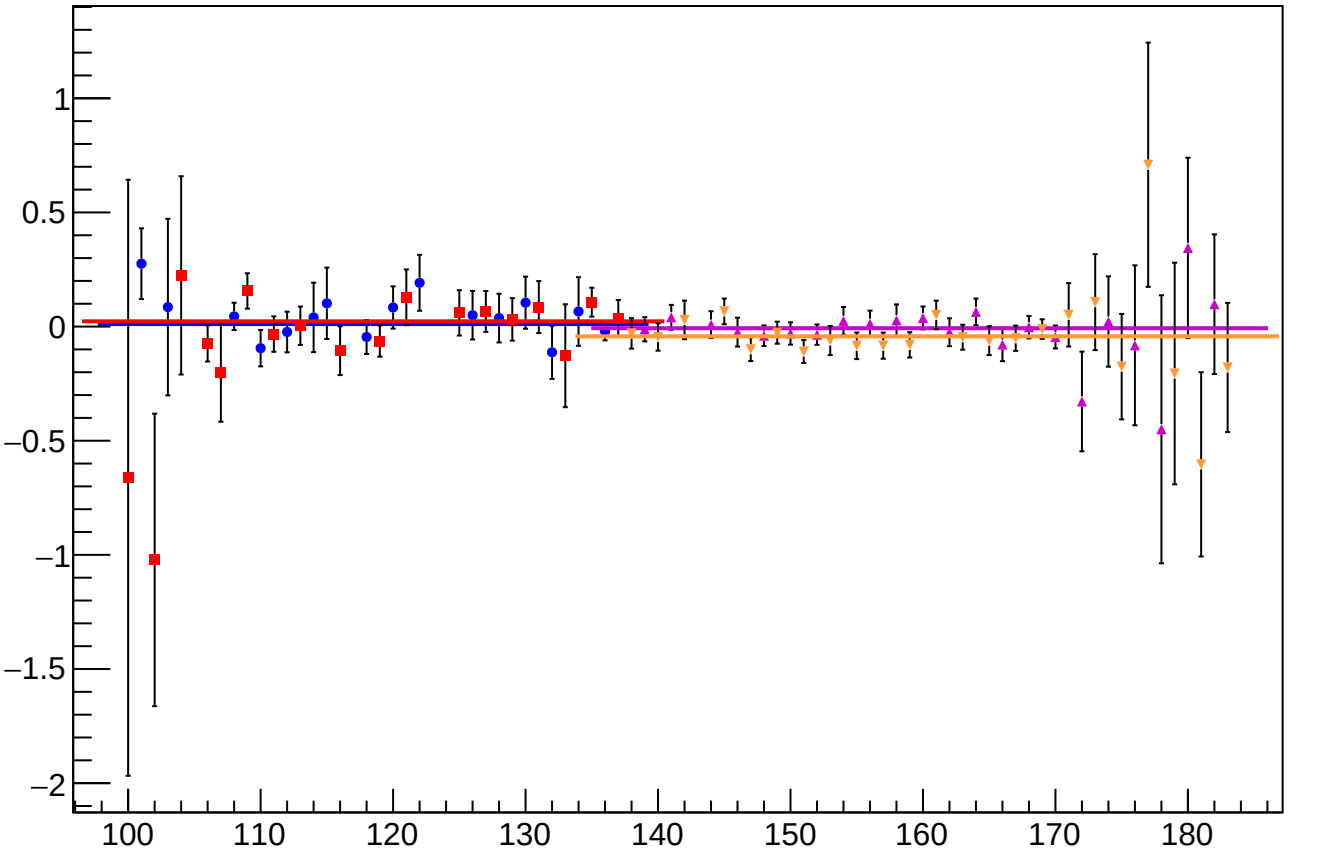
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.114+/-0.010 χ^2/NDF:6687744.1/21

+ sign 49.455+/-0.008 χ^2/NDF: 9263282.3/38

All: 49.365+/-0.006 χ^2/NDF: 18220889.2/78

- sign 49.276+/-0.008 χ^2/NDF: 8957372.1/39



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:17.6/22

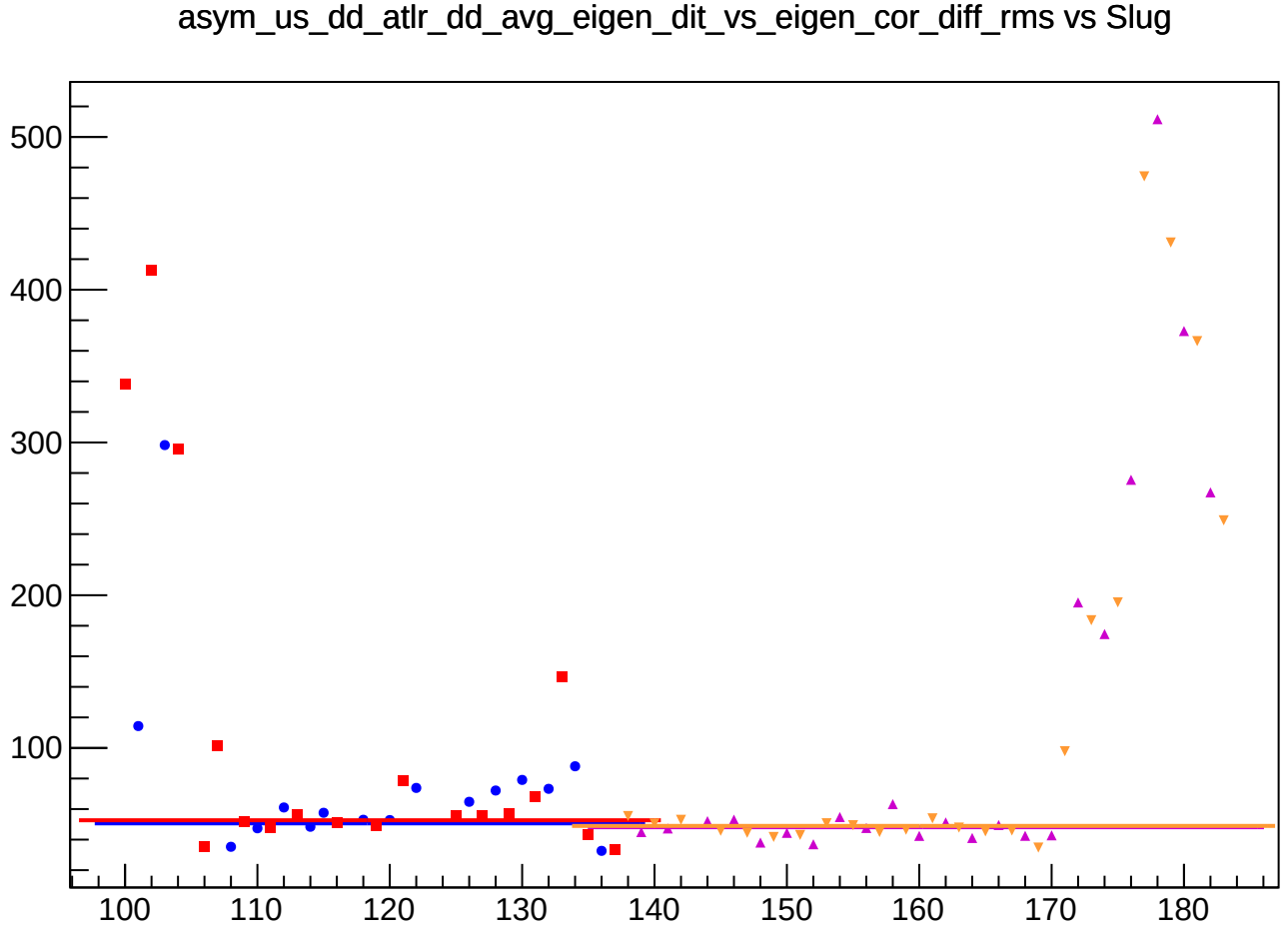
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:10.4/21

+ sign -0.027+/-0.012 χ^2/NDF: 33.7/38

All: -0.013+/-0.008 χ^2/NDF: 64.1/78

- sign 0.001+/-0.012 χ^2/NDF: 27.6/39



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.973+/-0.010 χ^2/NDF:6988612.2/22

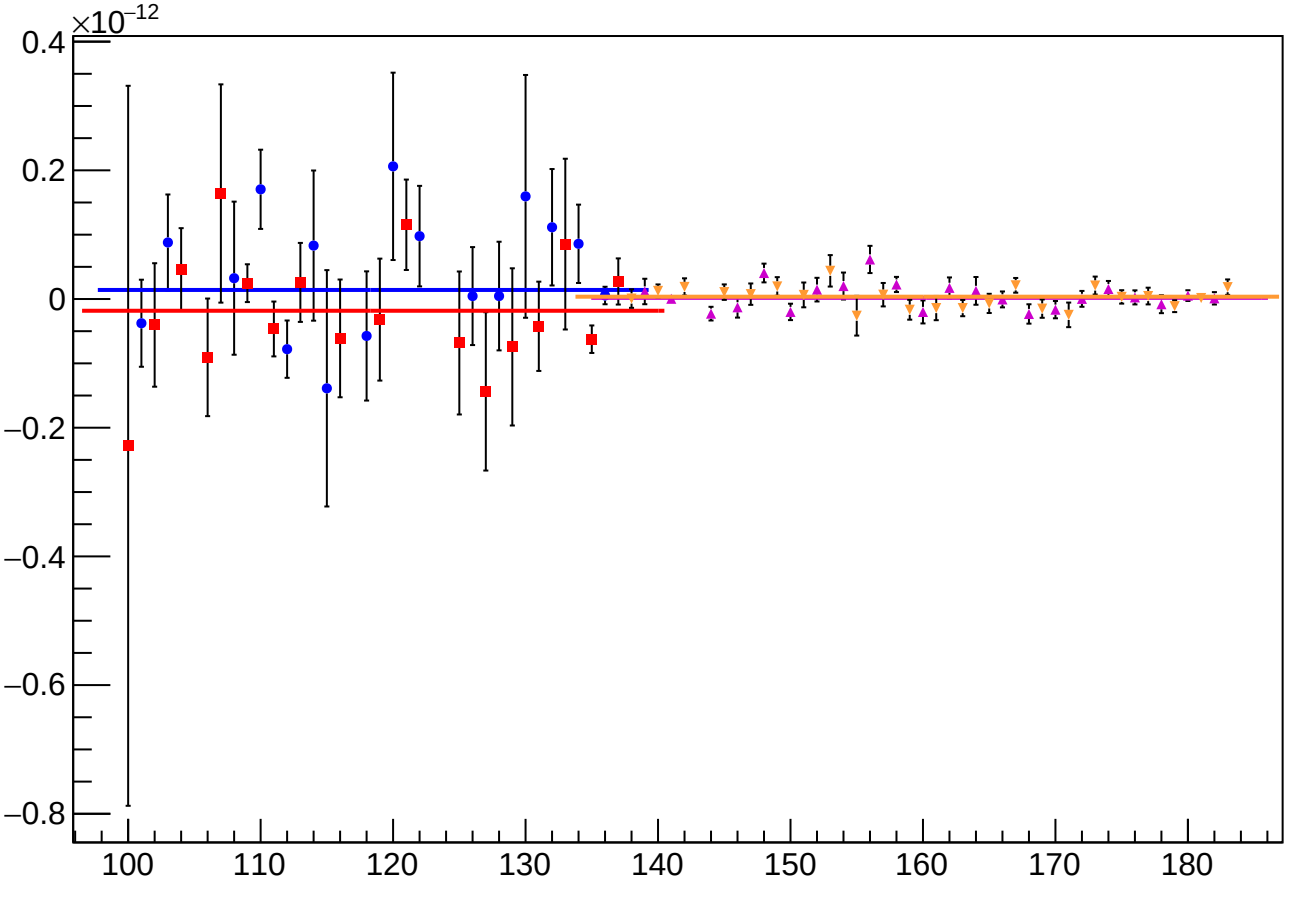
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.114+/-0.010 χ^2/NDF:6687744.1/21

+ sign 49.455+/-0.008 χ^2/NDF: 9263282.3/38

All: 49.365+/-0.006 χ^2/NDF: 18220889.2/78

- sign 49.276+/-0.008 χ^2/NDF: 8957372.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/22

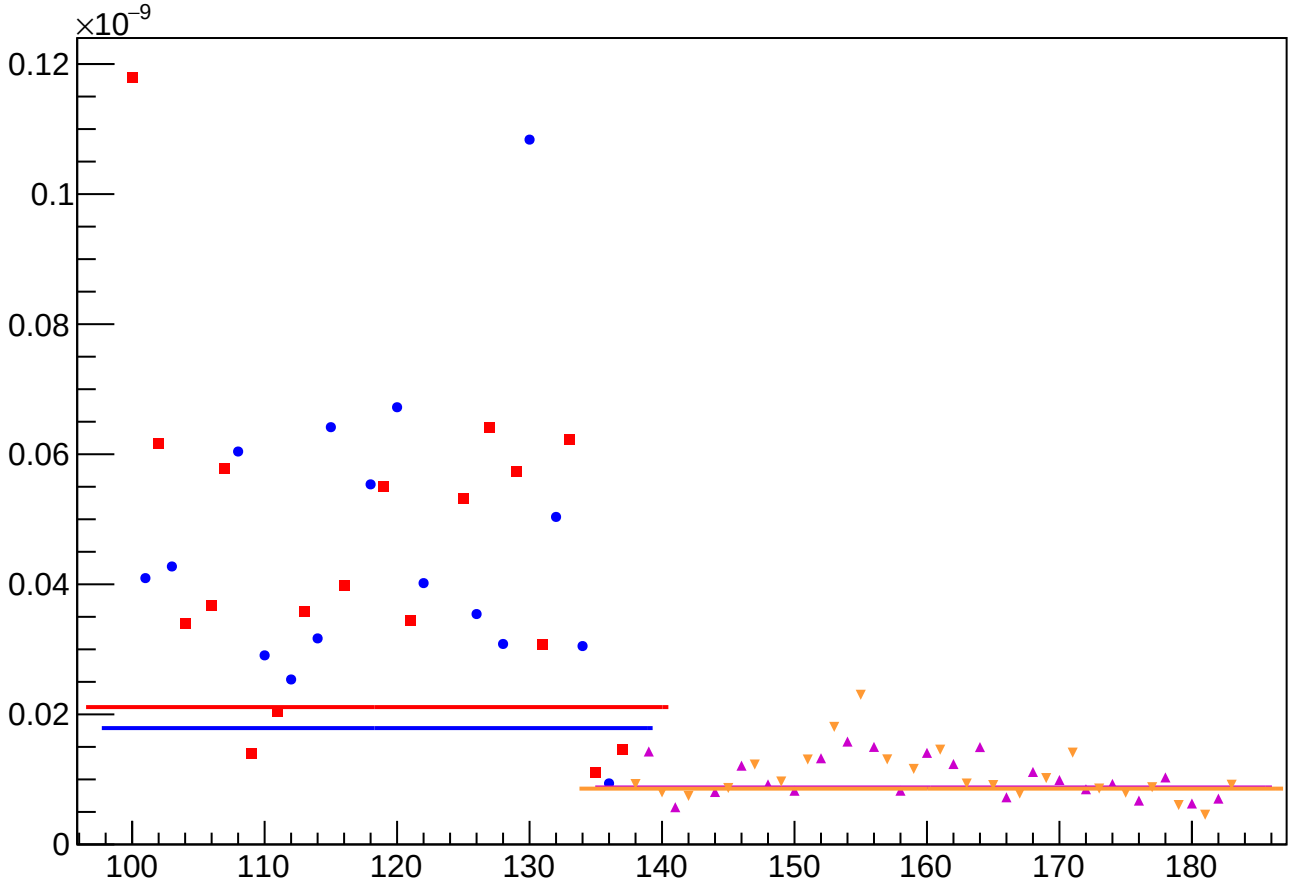
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:38.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/38

All: 0.000+/-0.000 χ^2/NDF: 104.9/78

- sign 0.000+/-0.000 χ^2/NDF: 58.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2493904.3/22

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

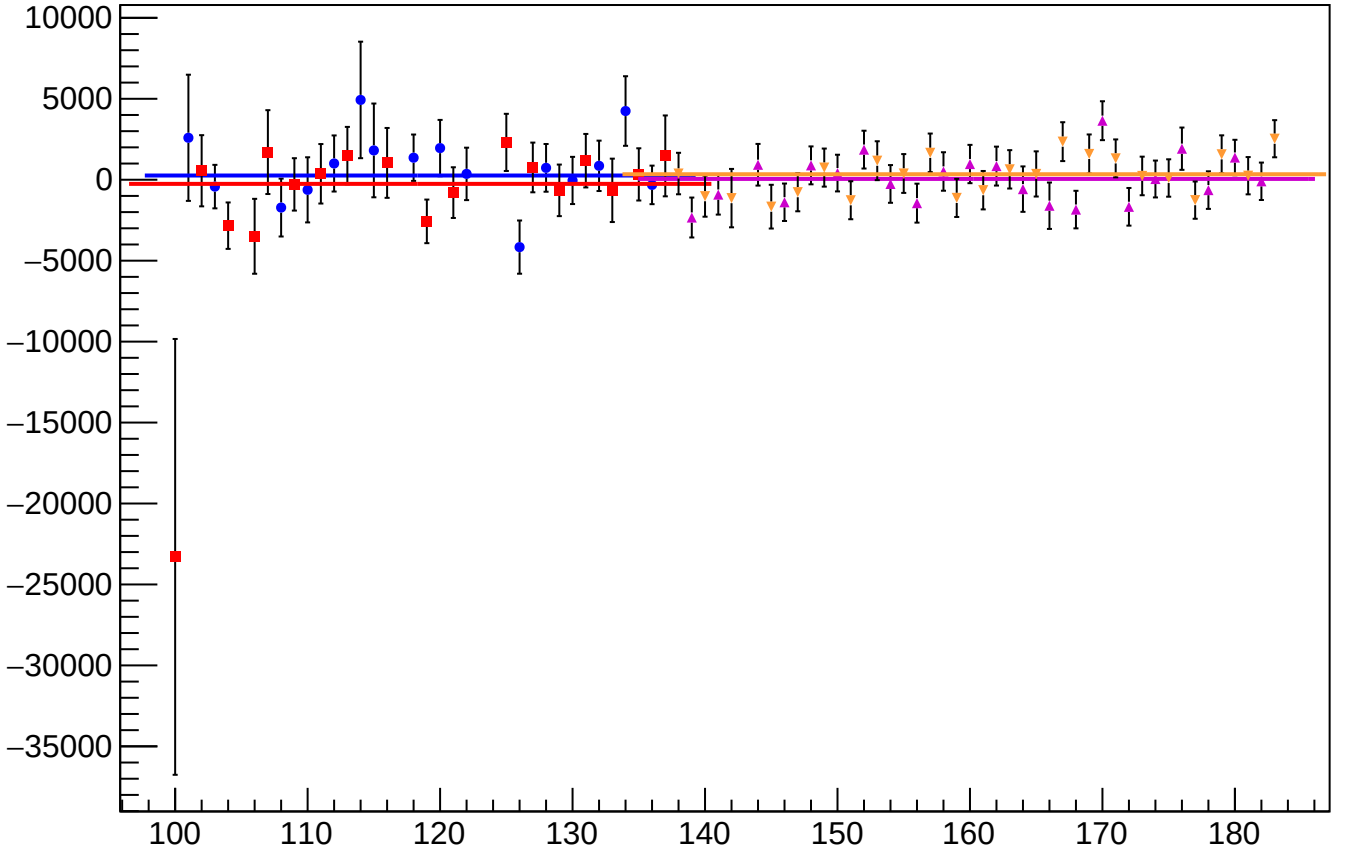
Left In: 0.000+/-0.000 χ^2/NDF:1954685.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 7171914.7/38

All: 0.000+/-0.000 χ^2/NDF: 13612233.3/78

- sign 0.000+/-0.000 χ^2/NDF: 6431690.7/39

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 338.919+/-253.430 χ^2/NDF:22.3/22

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

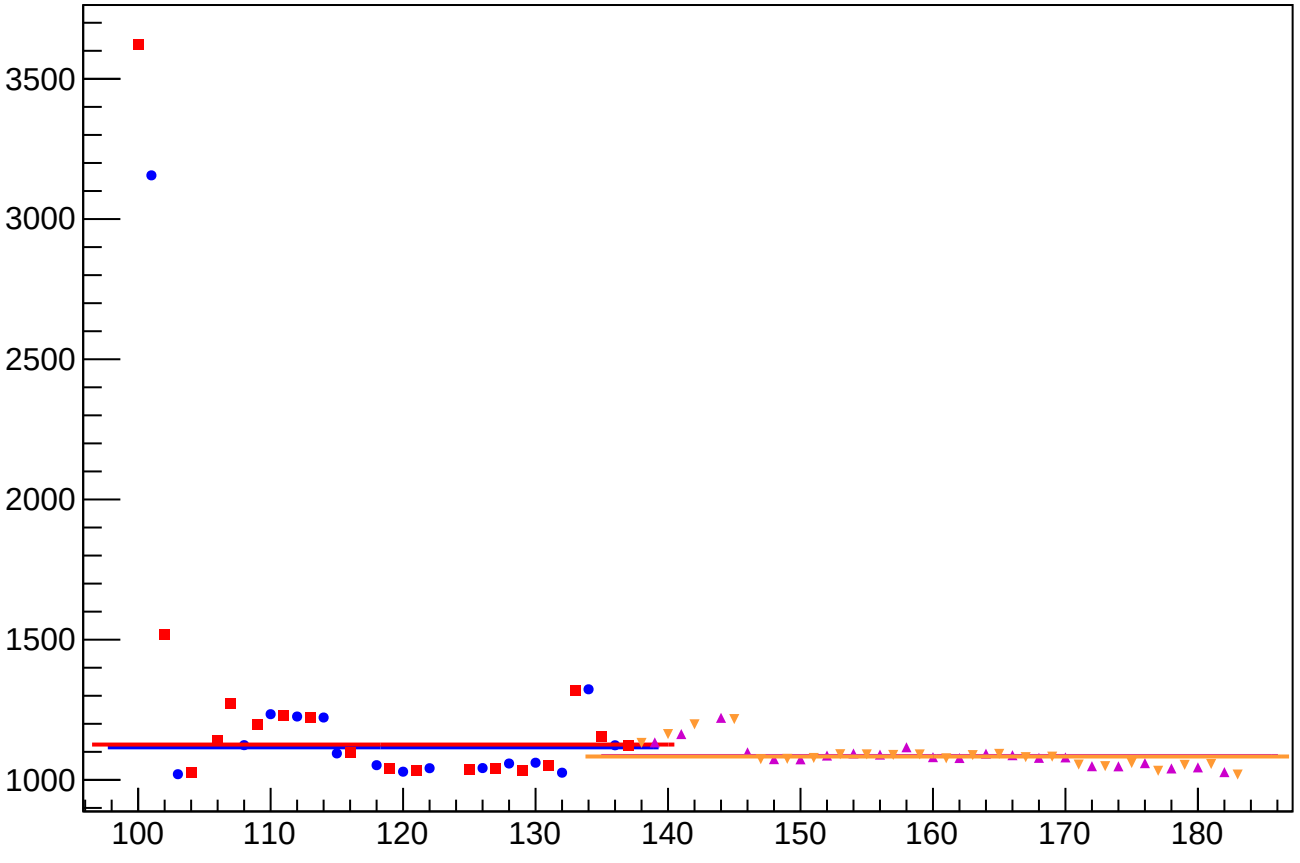
Left In: 49.766+/-255.672 χ^2/NDF:31.4/21

+ sign 318.402+/-217.622 χ^2/NDF: 39.2/38

All: 144.833+/-154.434 χ^2/NDF: 89.7/78

- sign -31.248+/-219.191 χ^2/NDF: 49.2/39

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1083.418+/-0.179 χ^2/NDF:55465.1/22

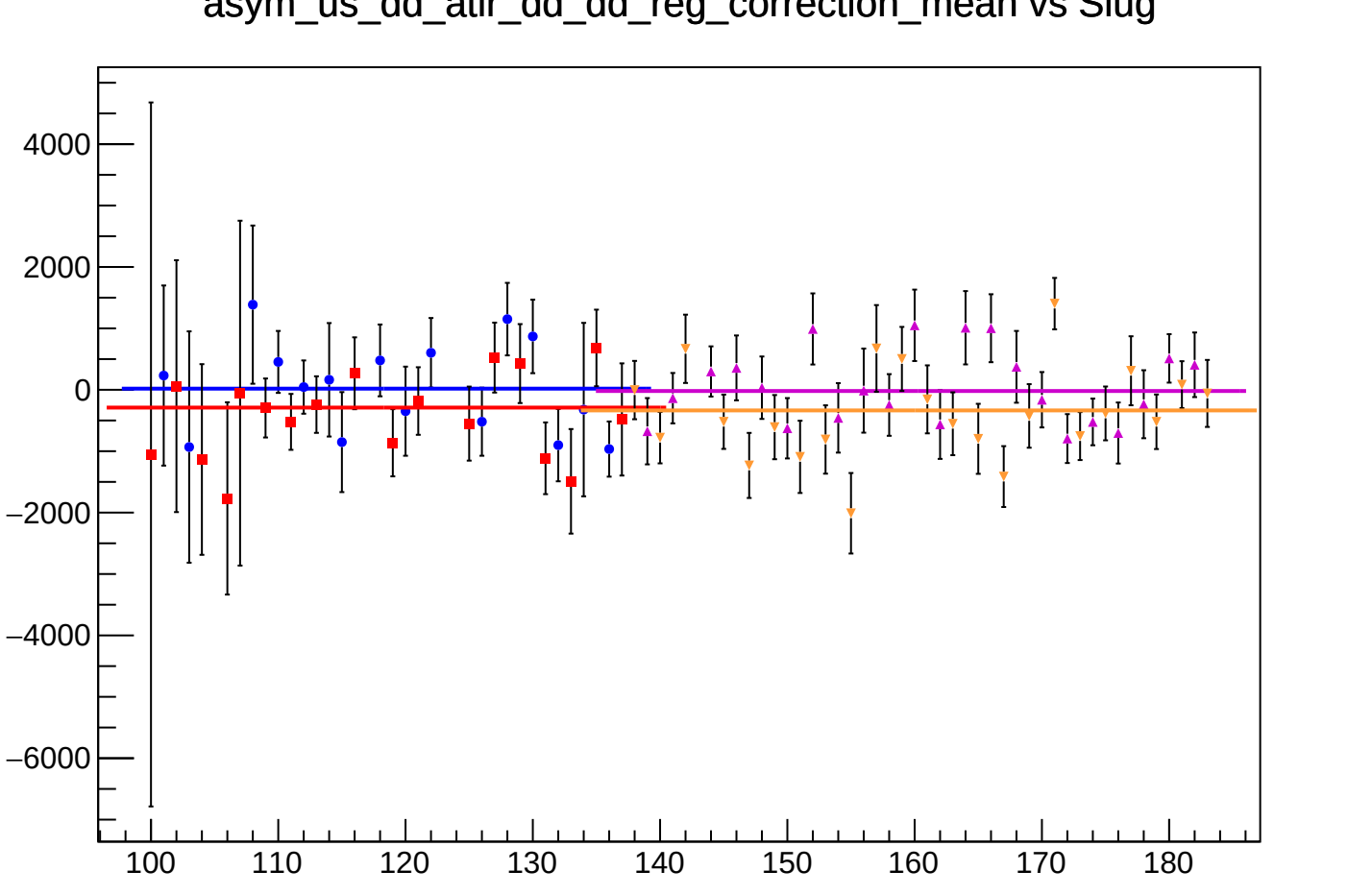
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1085.283+/-0.181 χ^2/NDF:51344.3/21

+ sign 1091.998+/-0.154 χ^2/NDF: 687585.0/38

All: 1094.023+/-0.109 χ^2/NDF: 974837.0/78

- sign 1096.078+/-0.155 χ^2/NDF: 286903.1/39



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -336.003+/-103.285 χ^2/NDF:48.8/22

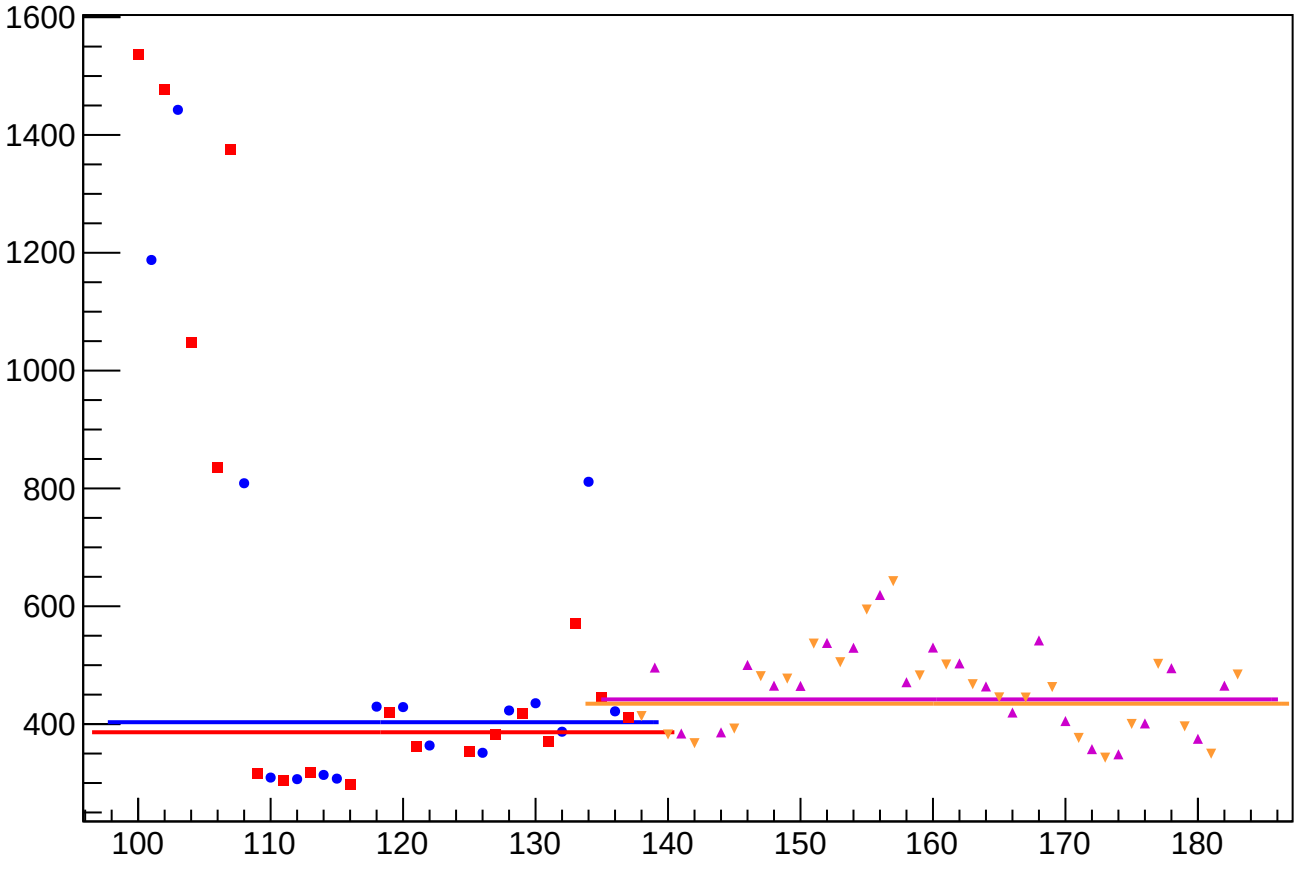
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -19.940+/-105.537 χ^2/NDF:29.4/21

\+ sign -232.869+/-86.971 χ^2/NDF: 71.4/38

All: -169.071+/-61.665 χ^2/NDF: 117.4/78

\- sign -104.575+/-87.446 χ^2/NDF: 44.9/39



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 434.602+/-0.073 χ^2/NDF:877480.6/22

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

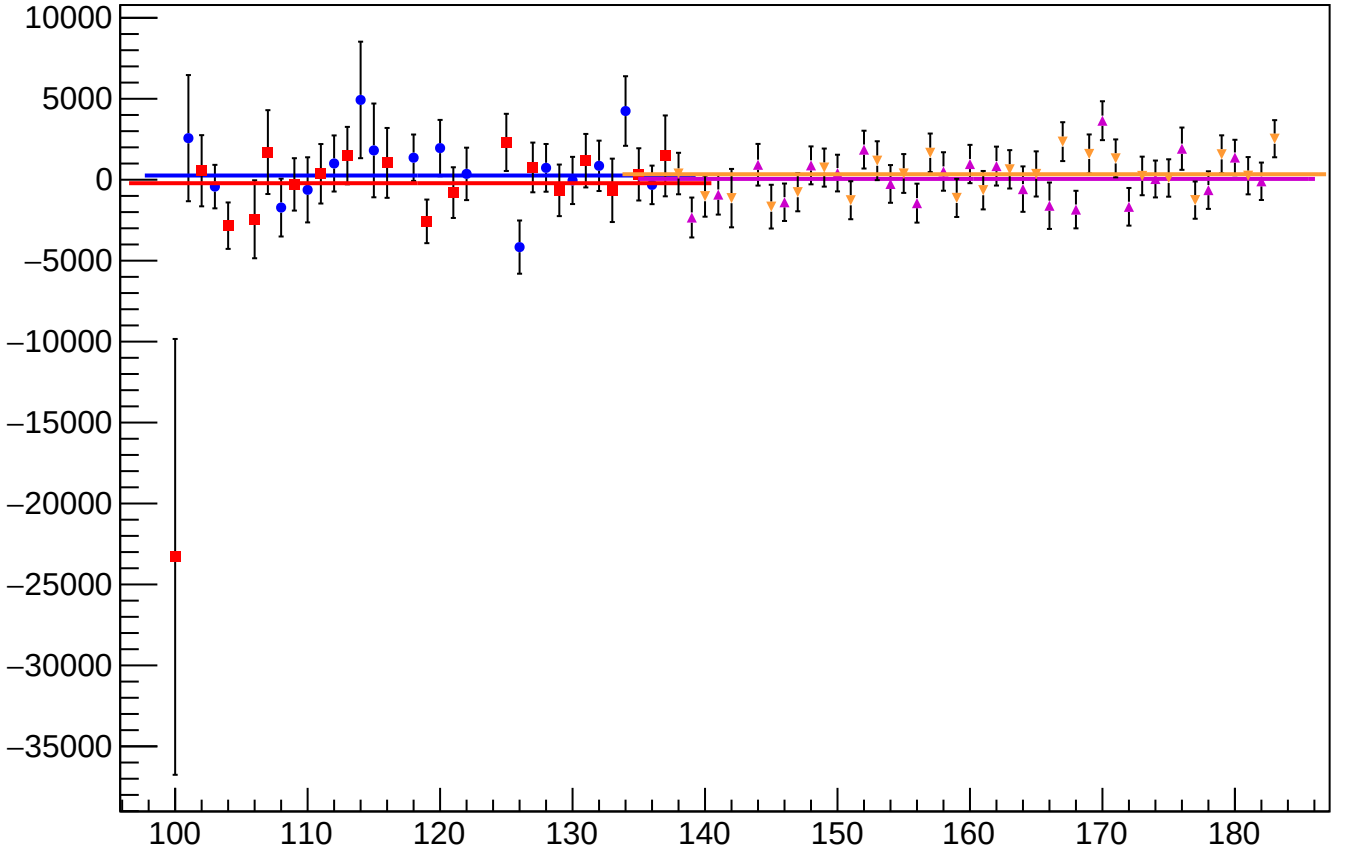
Left In: 441.884+/-0.075 χ^2/NDF:824724.1/21

+ sign 425.464+/-0.061 χ^2/NDF: 2739720.8/38

All: 424.941+/-0.044 χ^2/NDF: 5498566.7/78

- sign 424.413+/-0.062 χ^2/NDF: 2758700.7/39

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 338.920+/-253.430 χ^2/NDF:22.3/22

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

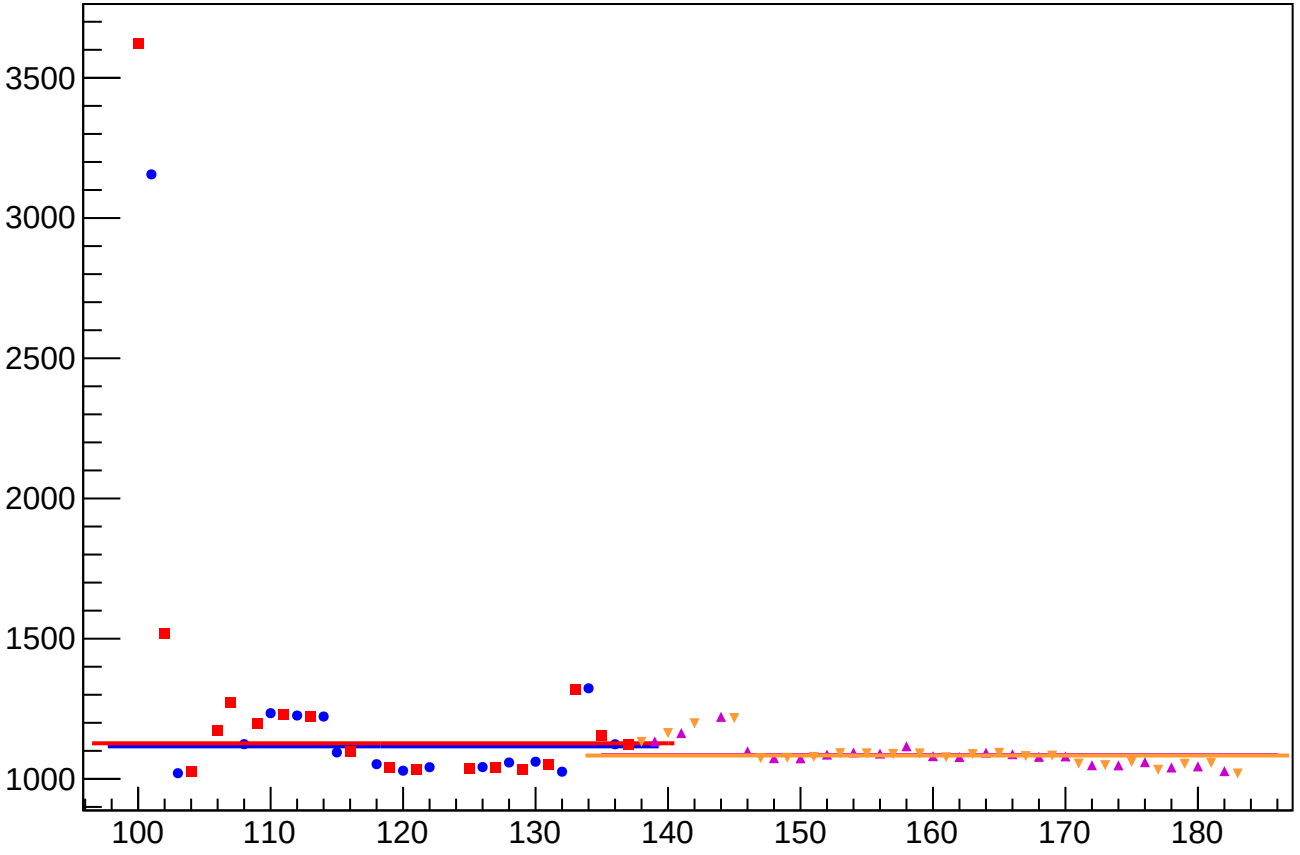
Left In: 49.780+/-255.672 χ^2/NDF:31.4/21

+ sign 318.303+/-217.622 χ^2/NDF: 39.2/38

All: 150.364+/-154.460 χ^2/NDF: 88.3/78

- sign -20.123+/-219.267 χ^2/NDF: 47.9/39

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1083.418+/-0.179 χ^2/NDF:55465.1/22

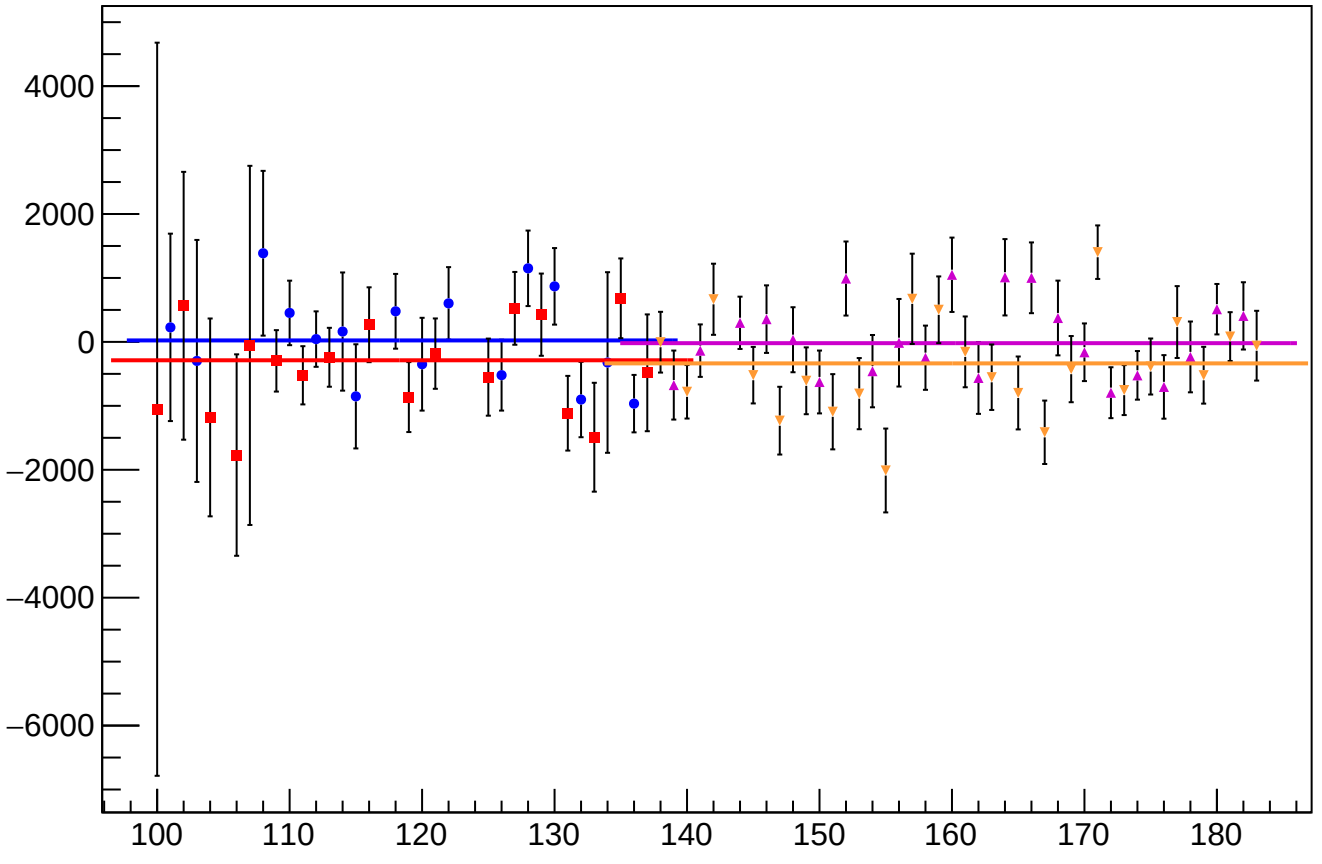
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1085.283+/-0.181 χ^2/NDF:51344.3/21

+ sign 1091.998+/-0.154 χ^2/NDF: 687585.9/38

All: 1094.136+/-0.109 χ^2/NDF: 976116.4/78

- sign 1096.307+/-0.155 χ^2/NDF: 288141.5/39



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -336.071+/-103.285 χ^2/NDF:48.8/22

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

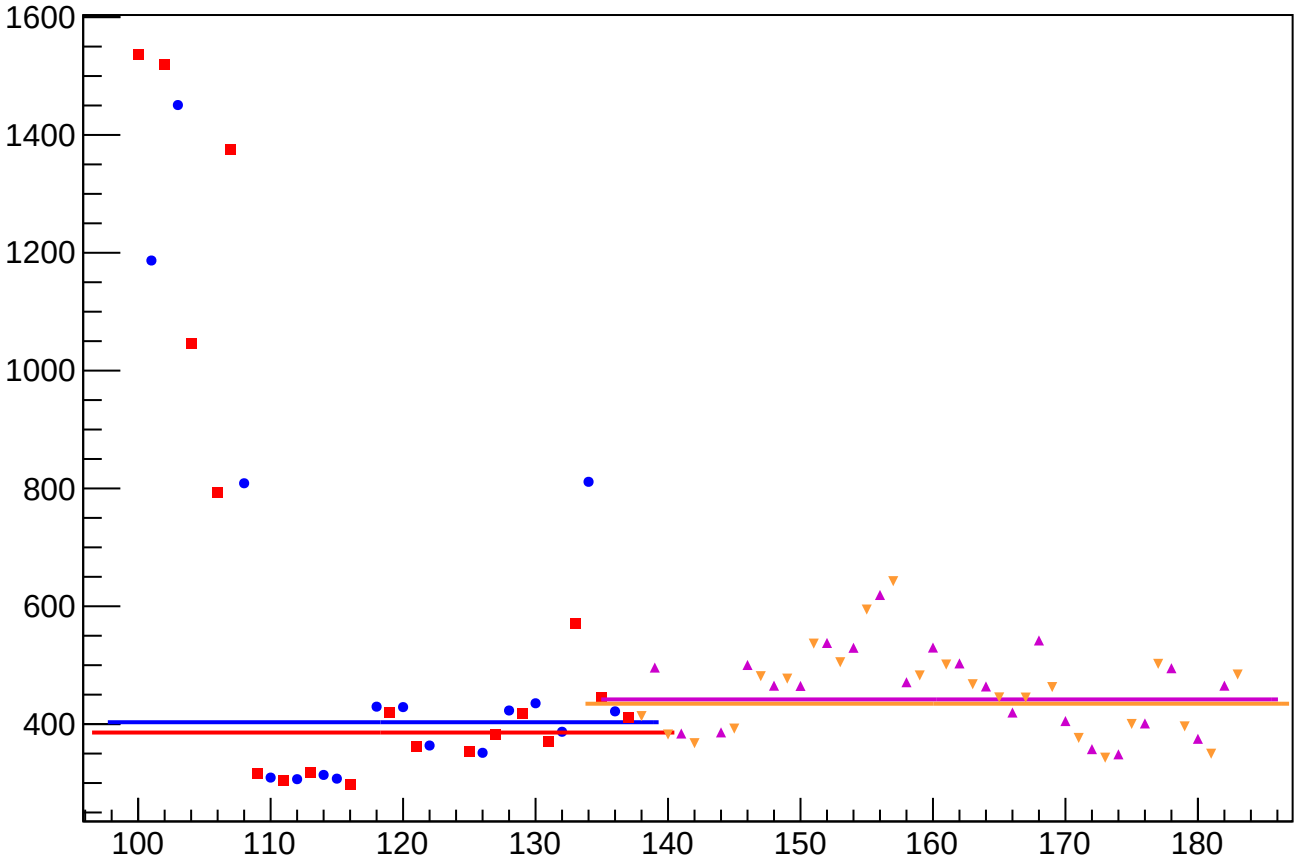
Left In: -19.919+/-105.537 χ^2/NDF:29.4/21

\+ sign -231.623+/-86.971 χ^2/NDF: 71.2/38

All: -168.069+/-61.666 χ^2/NDF: 117.4/78

\- sign -103.813+/-87.450 χ^2/NDF: 45.0/39

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 434.599+/-0.073 χ^2/NDF:877569.9/22

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

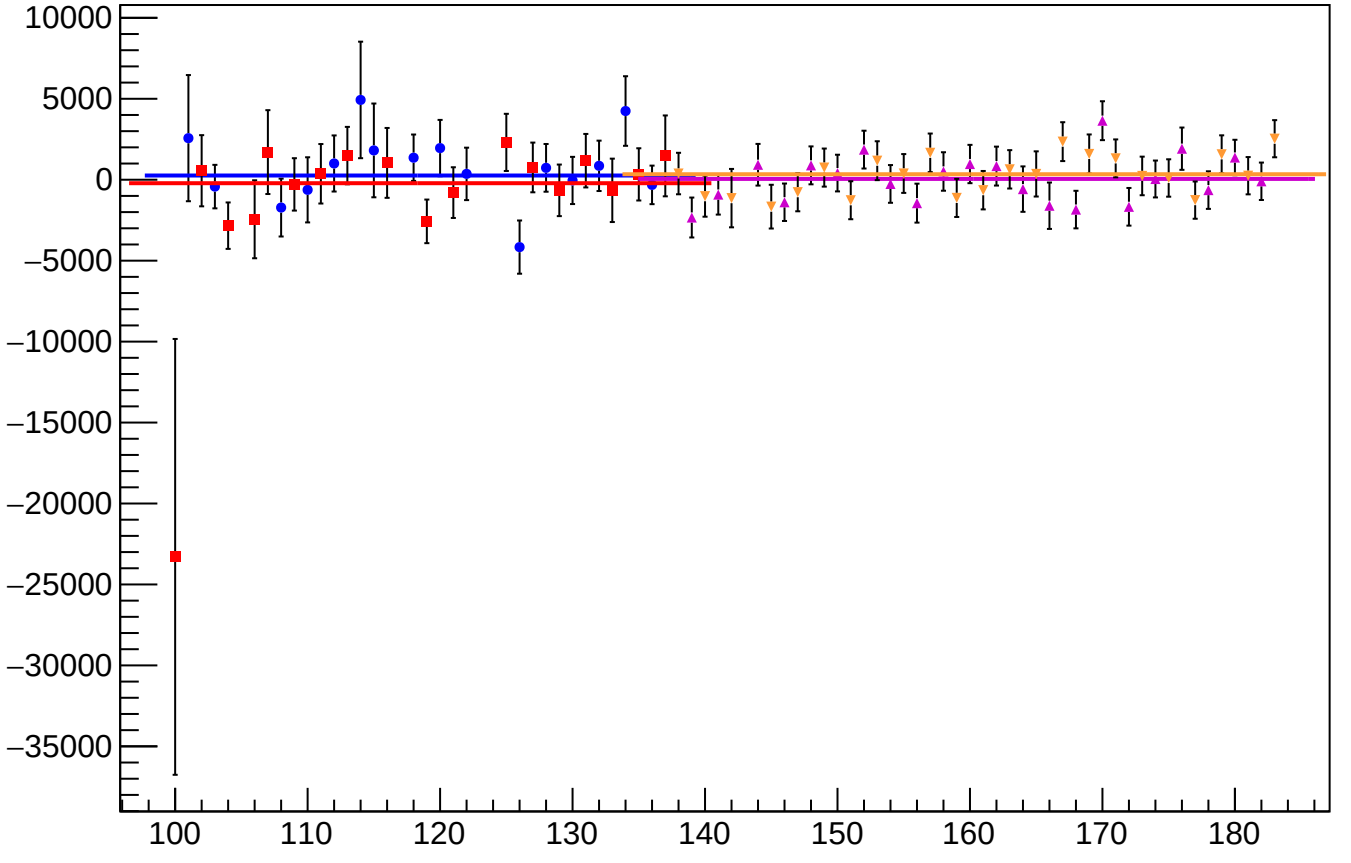
Left In: 441.885+/-0.075 χ^2/NDF:824598.1/21

+ sign 425.458+/-0.061 χ^2/NDF: 2743519.9/38

All: 424.868+/-0.044 χ^2/NDF: 5493216.9/78

- sign 424.271+/-0.062 χ^2/NDF: 2749511.7/39

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 338.920+/-253.430 χ^2/NDF:22.3/22

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

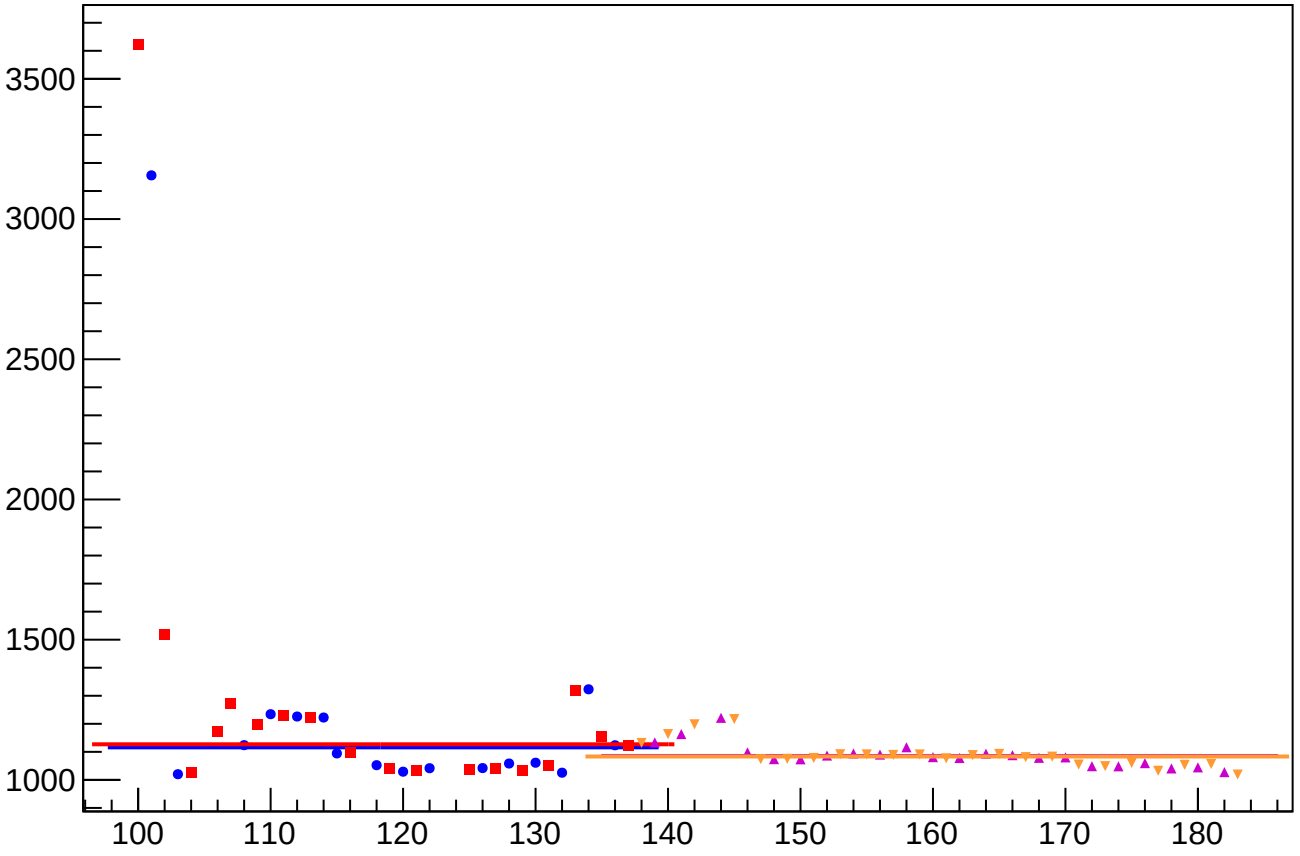
Left In: 49.780+/-255.672 χ^2/NDF:31.4/21

+ sign 318.303+/-217.622 χ^2/NDF: 39.2/38

All: 150.364+/-154.460 χ^2/NDF: 88.3/78

- sign -20.123+/-219.267 χ^2/NDF: 47.9/39

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1083.418+/-0.179 χ^2/NDF:55465.1/22

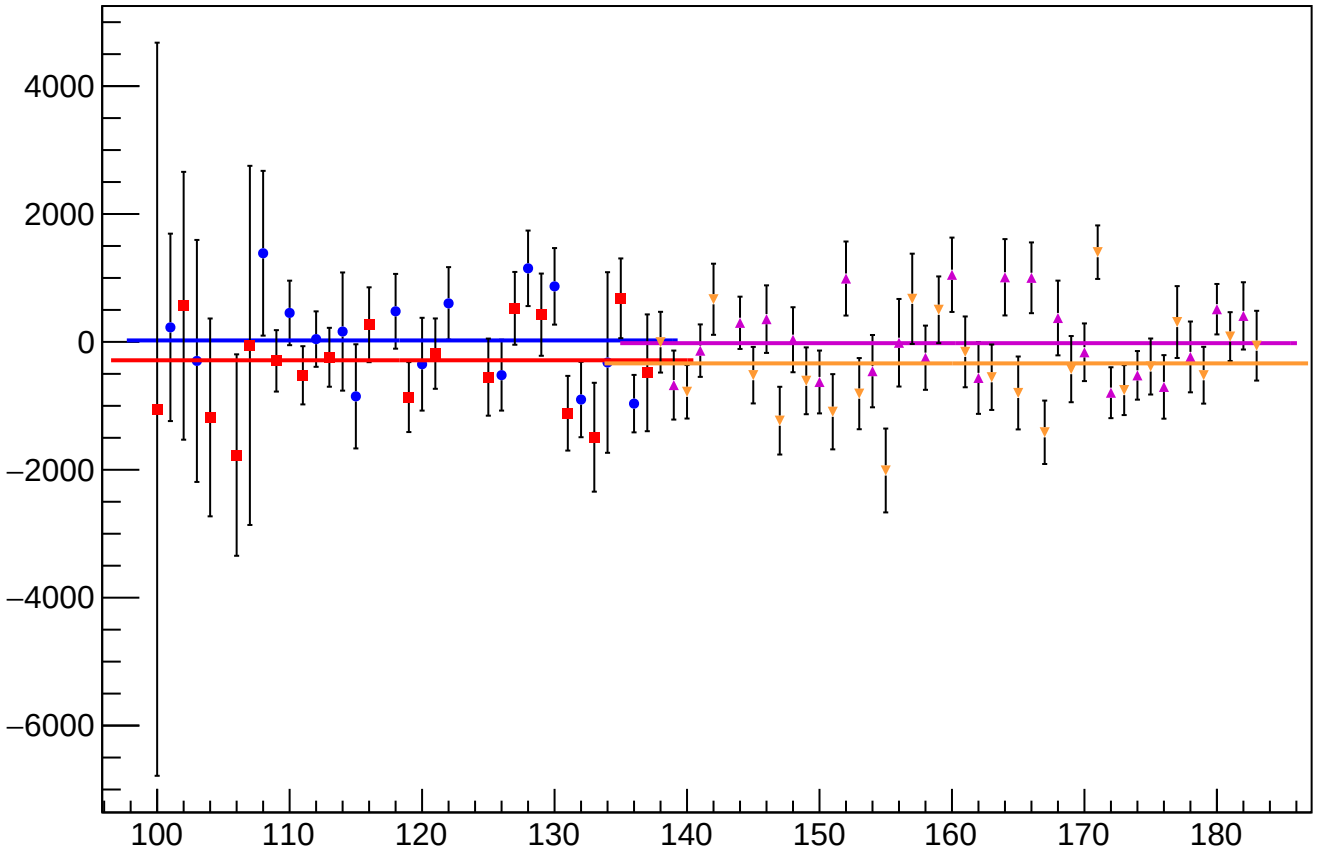
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1085.283+/-0.181 χ^2/NDF:51344.3/21

+ sign 1091.998+/-0.154 χ^2/NDF: 687585.9/38

All: 1094.136+/-0.109 χ^2/NDF: 976116.4/78

- sign 1096.307+/-0.155 χ^2/NDF: 288141.5/39



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -336.071+/-103.285 χ^2/NDF:48.8/22

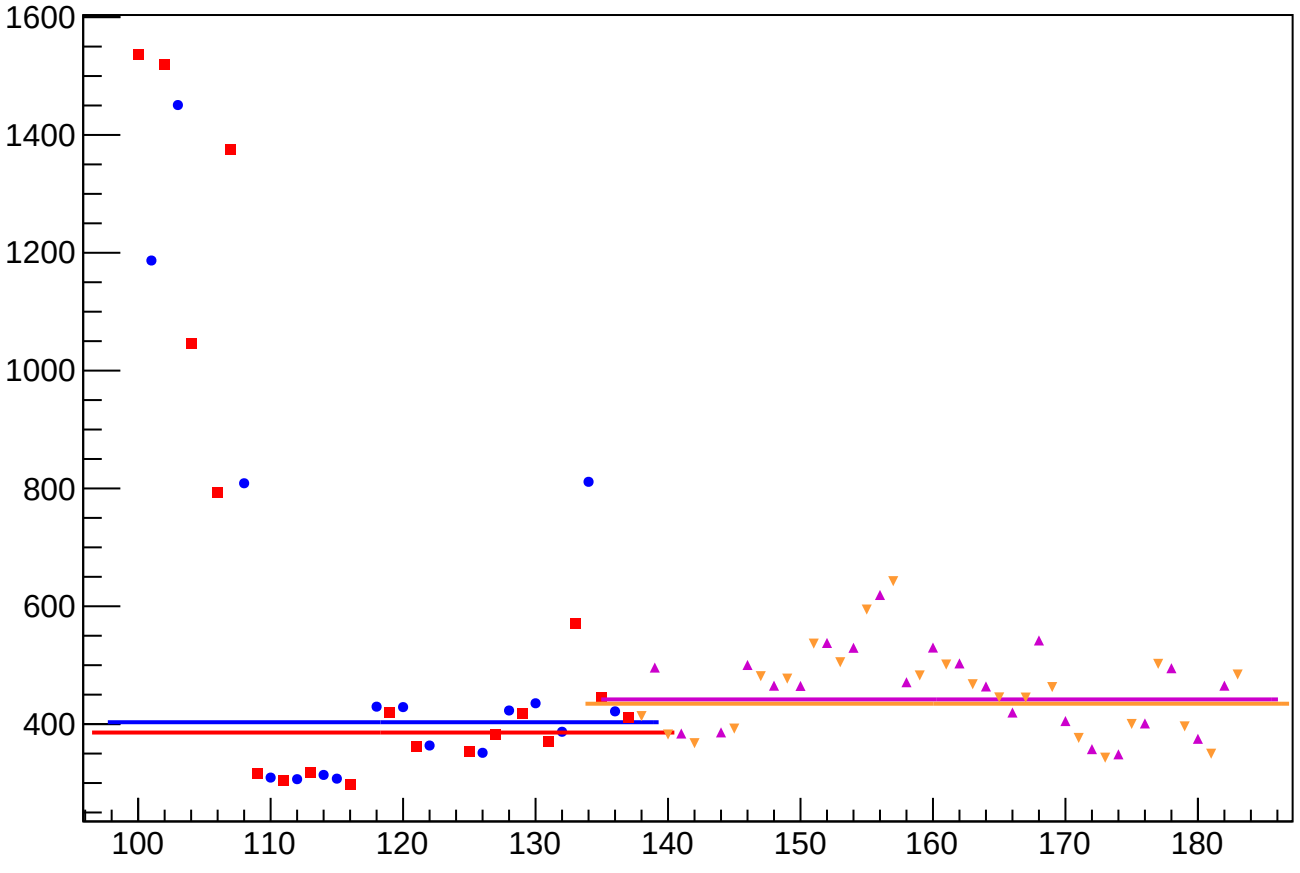
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -19.919+/-105.537 χ^2/NDF:29.4/21

\+ sign -231.623+/-86.971 χ^2/NDF: 71.2/38

All: -168.069+/-61.666 χ^2/NDF: 117.4/78

\- sign -103.813+/-87.450 χ^2/NDF: 45.0/39



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 434.599+/-0.073 χ^2/NDF:877569.9/22

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

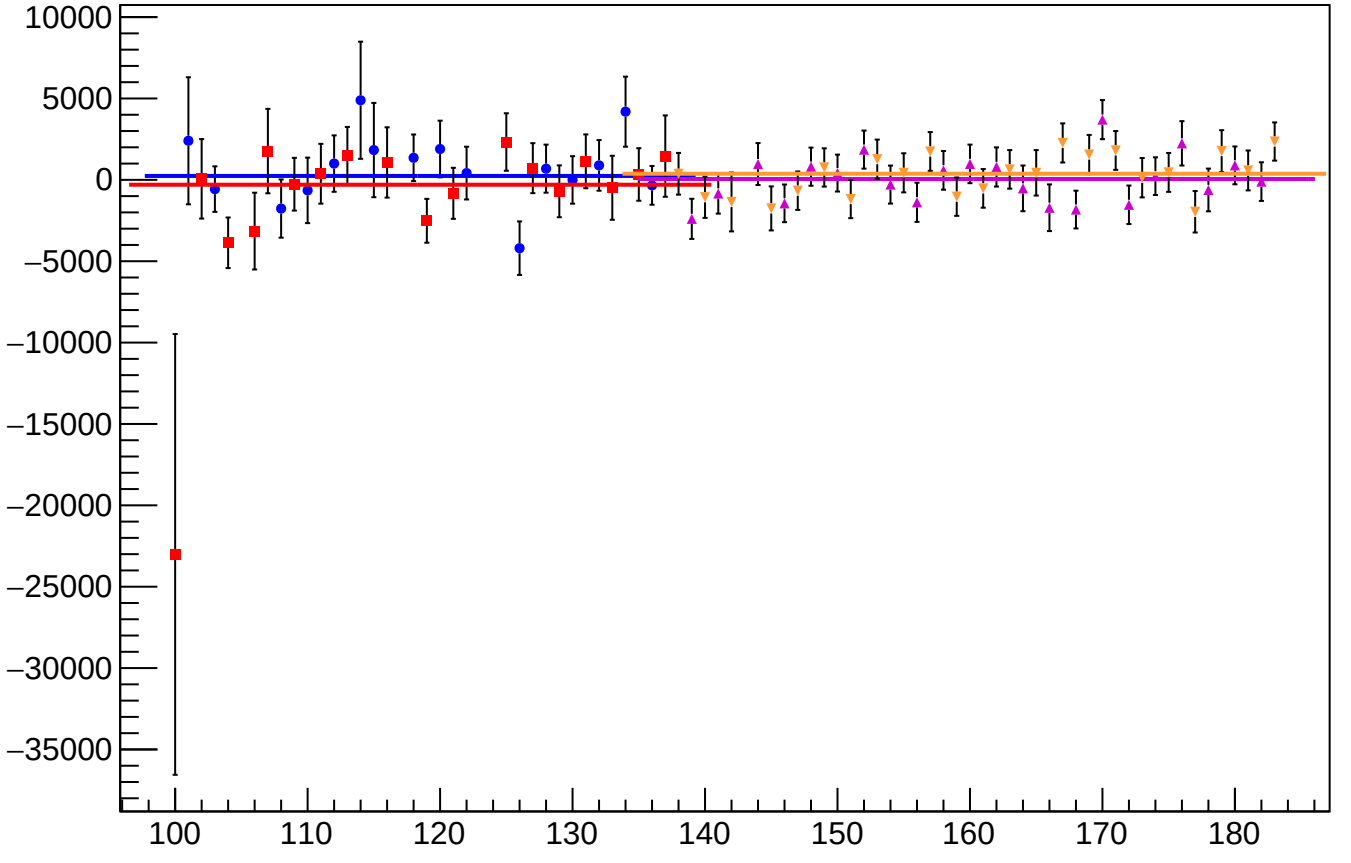
Left In: 441.885+/-0.075 χ^2/NDF:824598.1/21

+ sign 425.458+/-0.061 χ^2/NDF: 2743519.9/38

All: 424.868+/-0.044 χ^2/NDF: 5493216.9/78

- sign 424.271+/-0.062 χ^2/NDF: 2749511.7/39

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 375.320+/-257.617 χ^2/NDF:23.6/22

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

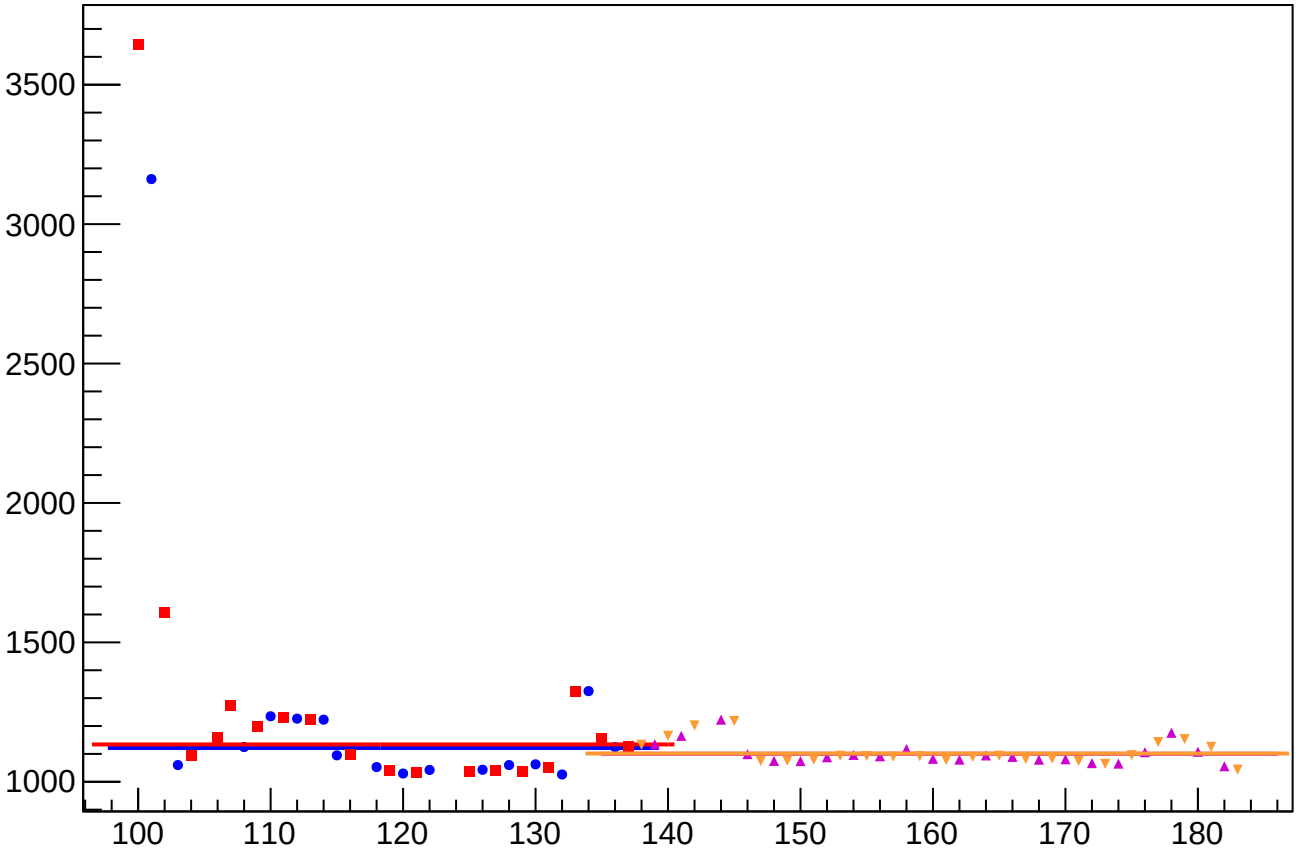
Left In: 51.587+/-259.205 χ^2/NDF:31.0/21

+ sign 339.379+/-220.525 χ^2/NDF: 40.6/38

All: 150.249+/-156.487 χ^2/NDF: 92.2/78

- sign -41.587+/-222.097 χ^2/NDF: 50.1/39

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1101.376+/-0.182 χ^2/NDF:46409.2/22

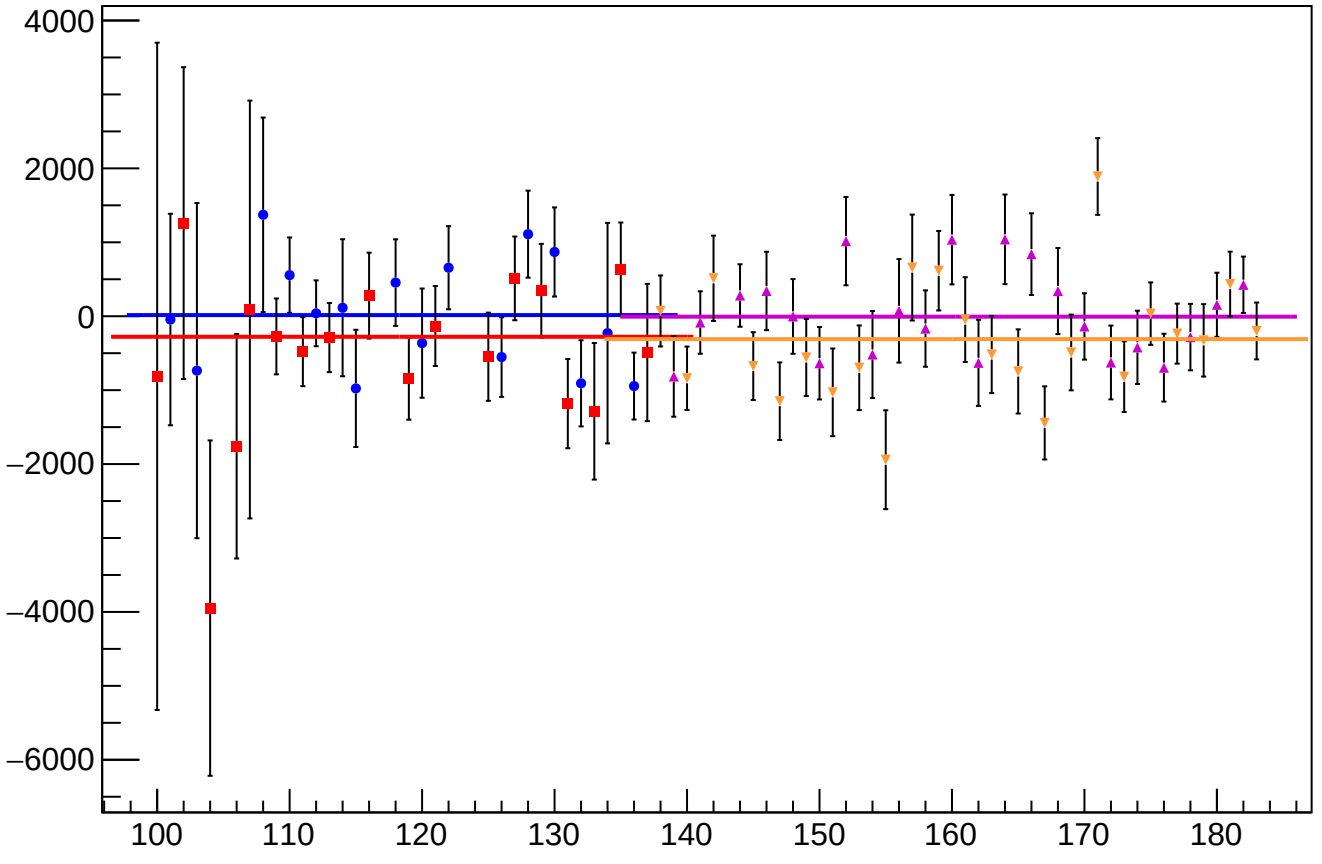
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1100.324+/-0.183 χ^2/NDF:43187.0/21

+ sign 1106.699+/-0.156 χ^2/NDF: 666632.5/38

All: 1107.969+/-0.111 χ^2/NDF: 946346.4/78

- sign 1109.257+/-0.157 χ^2/NDF: 279580.3/39



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -309.584+/-104.261 χ^2/NDF:49.4/22

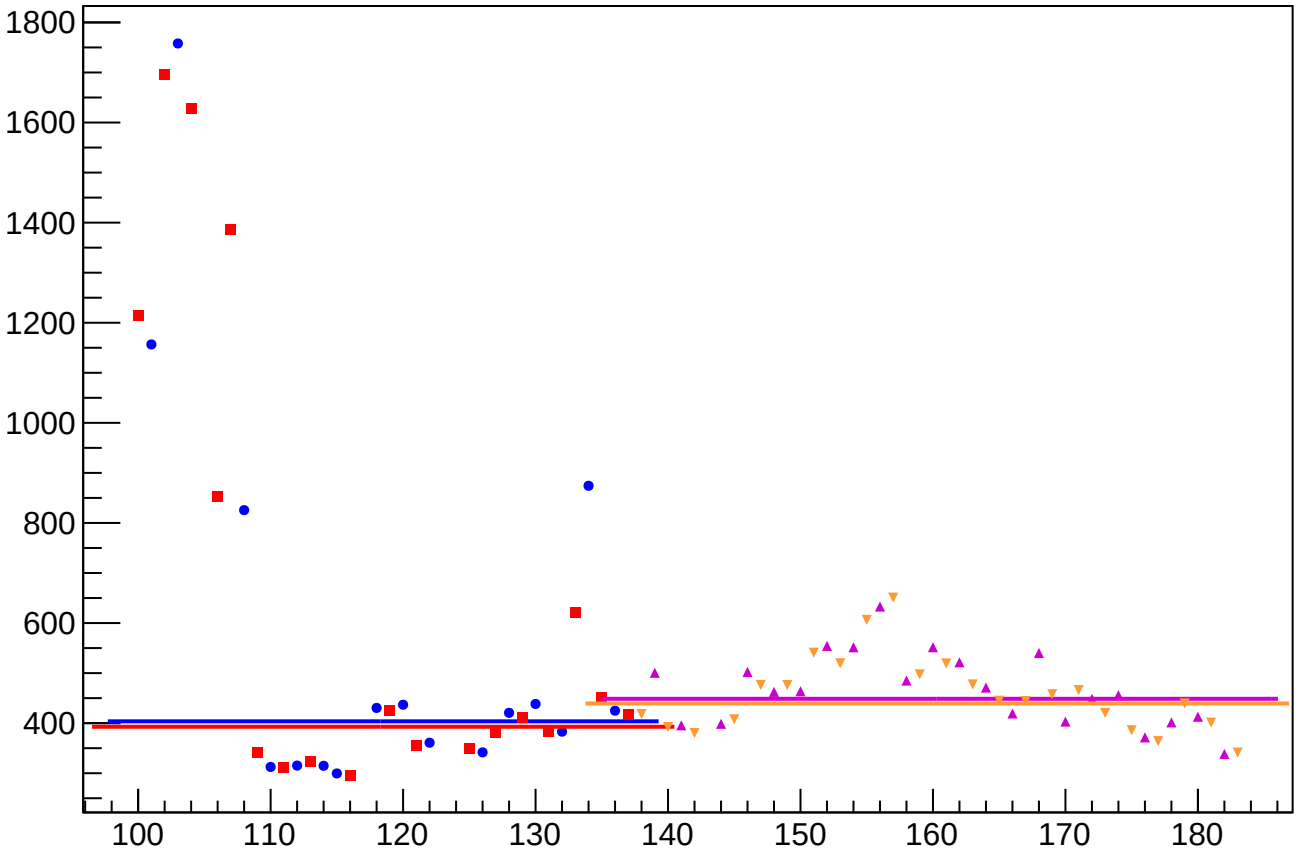
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -6.134+/-107.049 χ^2/NDF:24.7/21

+ sign -214.303+/-87.649 χ^2/NDF: 71.9/38

All: -153.501+/-62.369 χ^2/NDF: 114.7/78

- sign -91.135+/-88.769 χ^2/NDF: 41.8/39



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 439.341+/-0.074 χ^2/NDF:806114.2/22

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

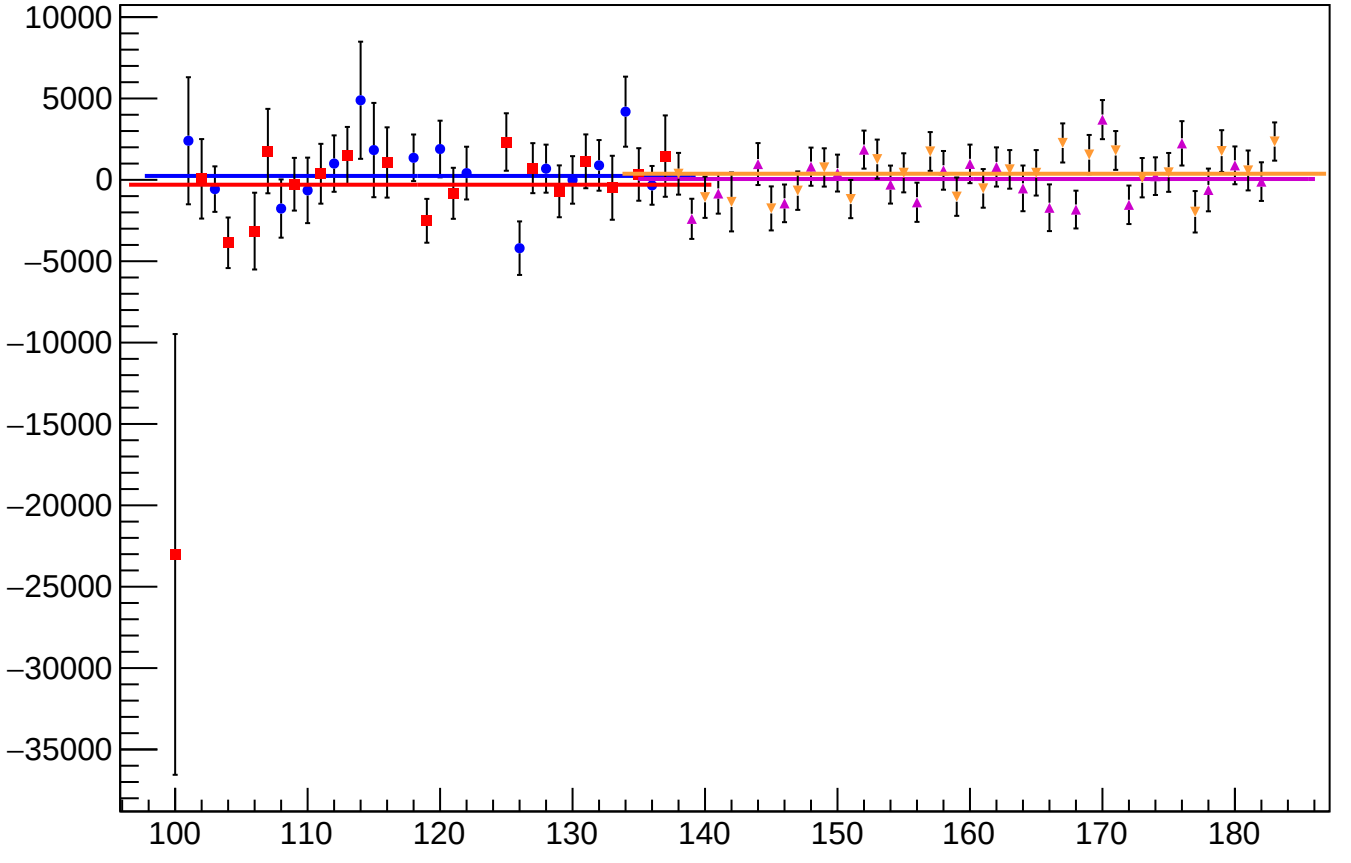
Left In: 448.670+/-0.076 χ^2/NDF:801242.4/21

+ sign 428.875+/-0.062 χ^2/NDF: 2804425.6/38

All: 430.035+/-0.044 χ^2/NDF: 5979881.1/78

- sign 431.224+/-0.063 χ^2/NDF: 3174746.2/39

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 375.318+/-257.617 χ^2/NDF:23.6/22

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

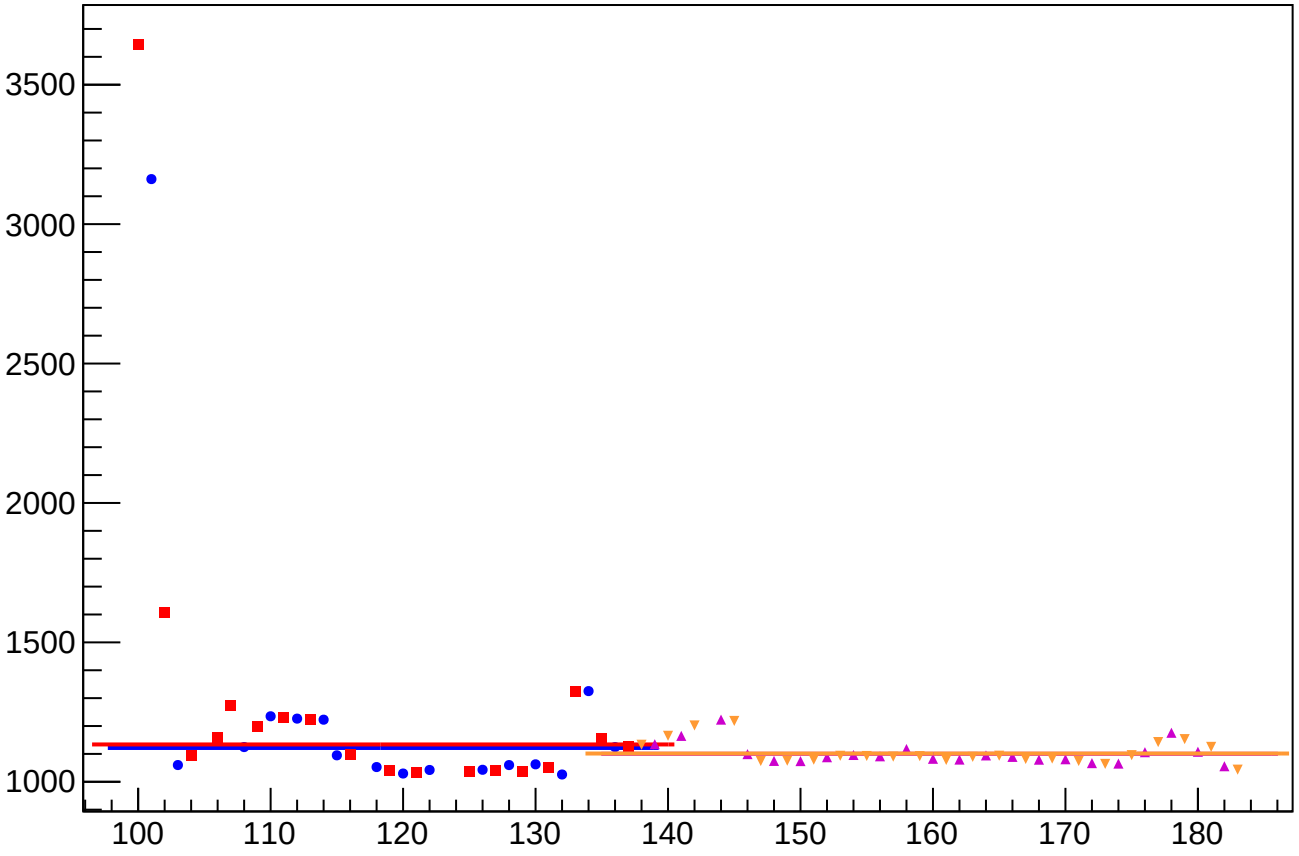
Left In: 51.586+/-259.205 χ^2/NDF:31.0/21

+ sign 339.378+/-220.525 χ^2/NDF: 40.6/38

All: 150.248+/-156.487 χ^2/NDF: 92.2/78

- sign -41.588+/-222.097 χ^2/NDF: 50.1/39

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1101.376+/-0.182 χ^2/NDF:46409.5/22

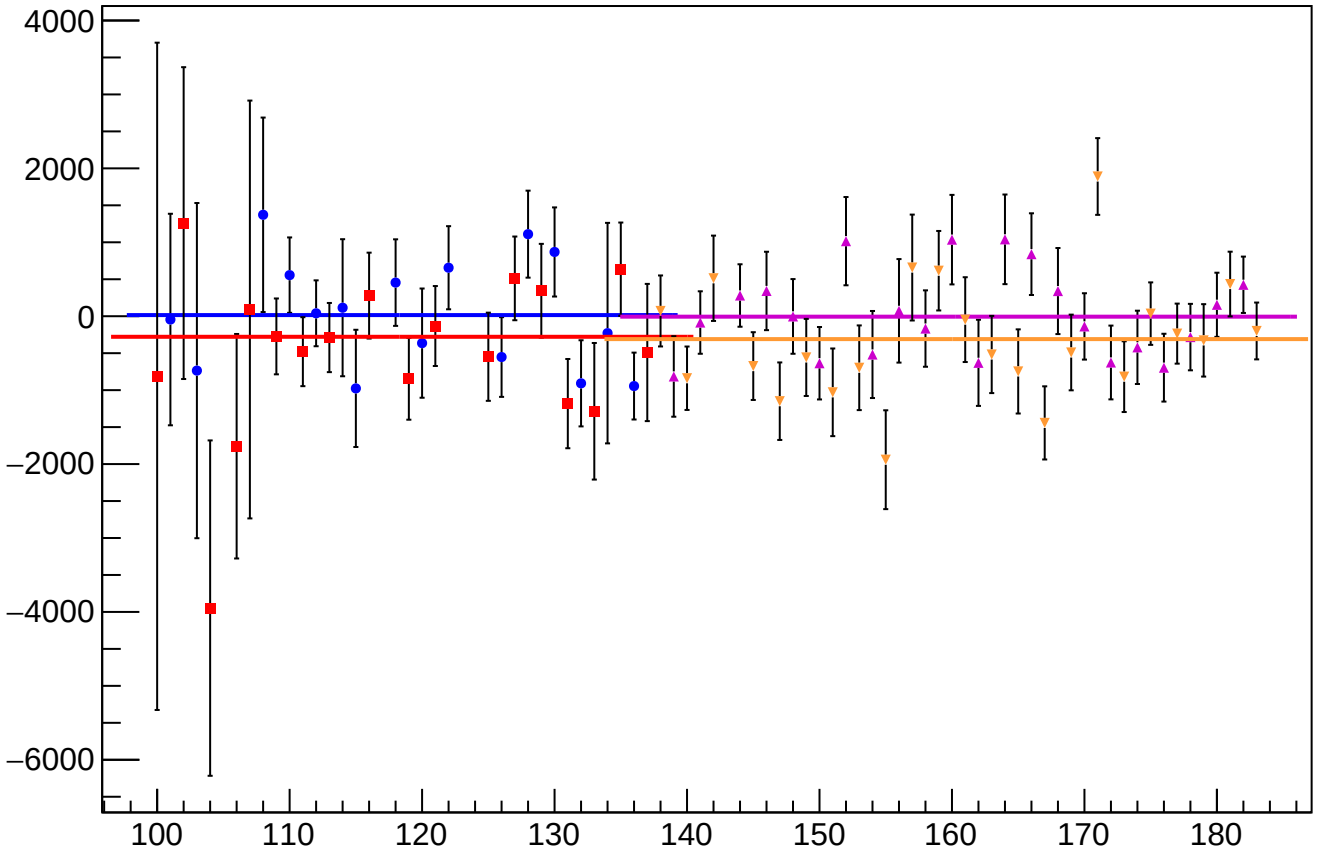
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1100.324+/-0.183 χ^2/NDF:43187.1/21

+ sign 1106.699+/-0.156 χ^2/NDF: 666632.7/38

All: 1107.969+/-0.111 χ^2/NDF: 946346.9/78

- sign 1109.257+/-0.157 χ^2/NDF: 279580.6/39



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -309.586+/-104.261 χ^2/NDF:49.4/22

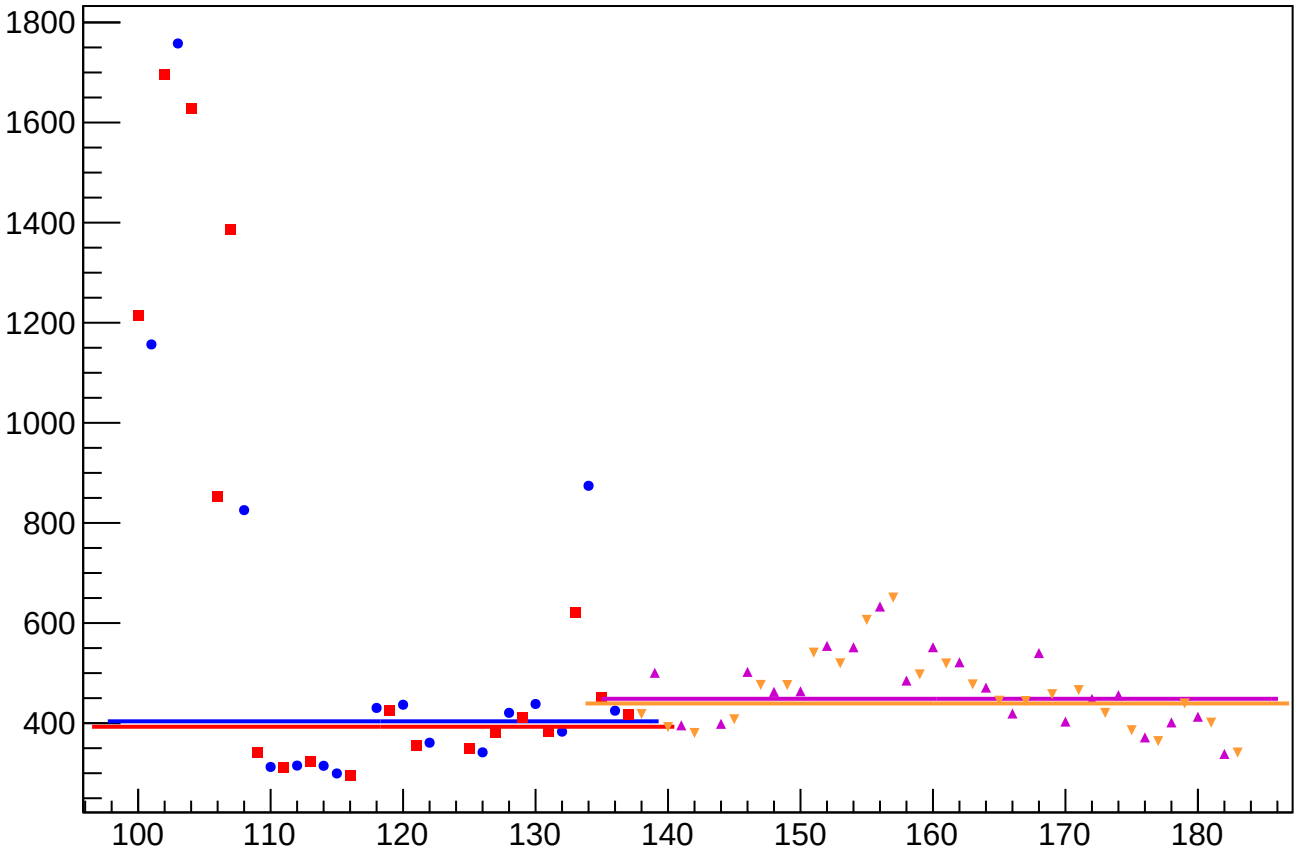
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -6.134+/-107.049 χ^2/NDF:24.7/21

+ sign -214.304+/-87.649 χ^2/NDF: 71.9/38

All: -153.502+/-62.369 χ^2/NDF: 114.7/78

- sign -91.136+/-88.769 χ^2/NDF: 41.8/39



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 439.340+/-0.074 χ^2/NDF:806142.4/22

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

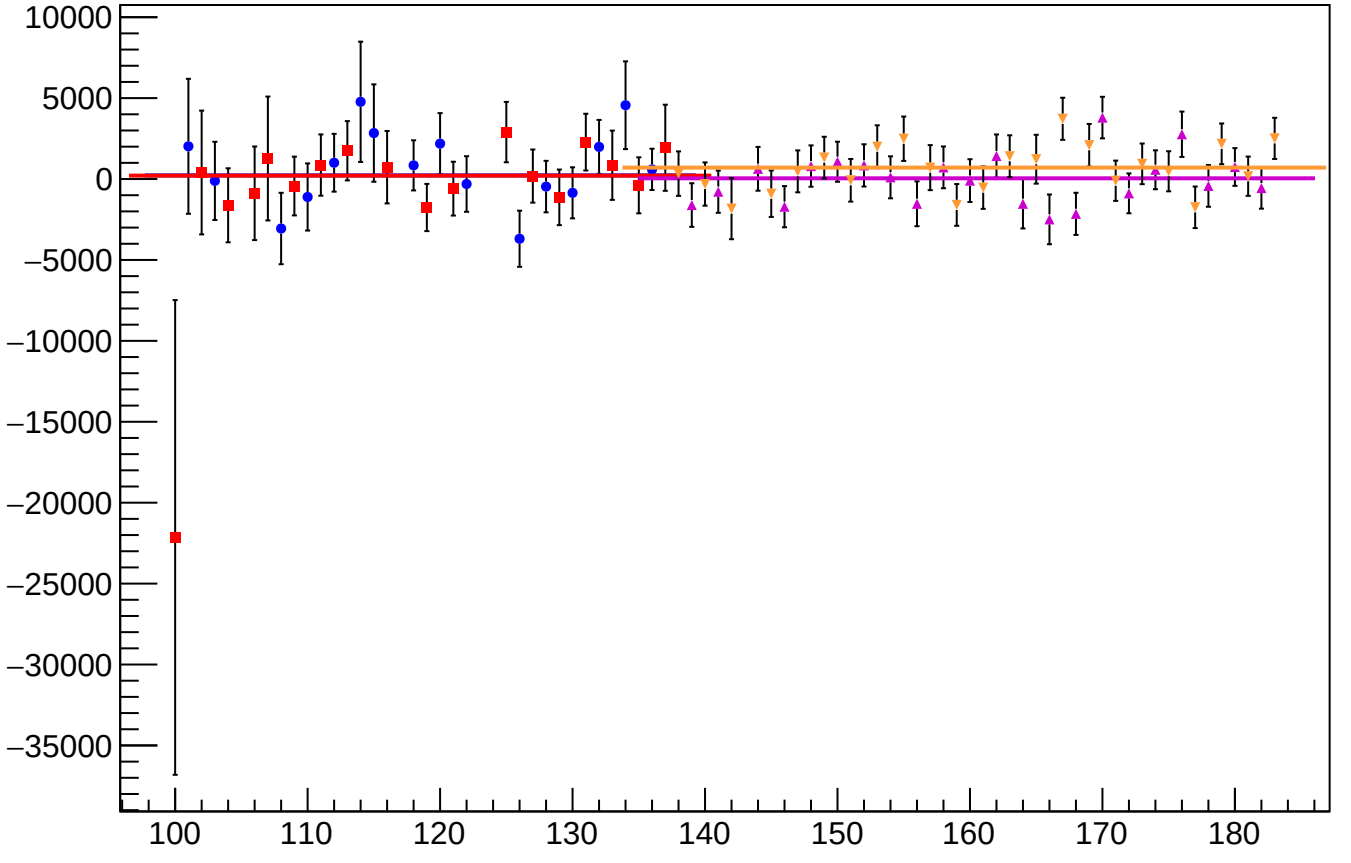
Left In: 448.670+/-0.076 χ^2/NDF:801273.8/21

+ sign 428.874+/-0.062 χ^2/NDF: 2804461.9/38

All: 430.033+/-0.044 χ^2/NDF: 5979974.5/78

- sign 431.223+/-0.063 χ^2/NDF: 3174803.4/39

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 706.143+/-276.244 χ^2/NDF:25.7/22

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

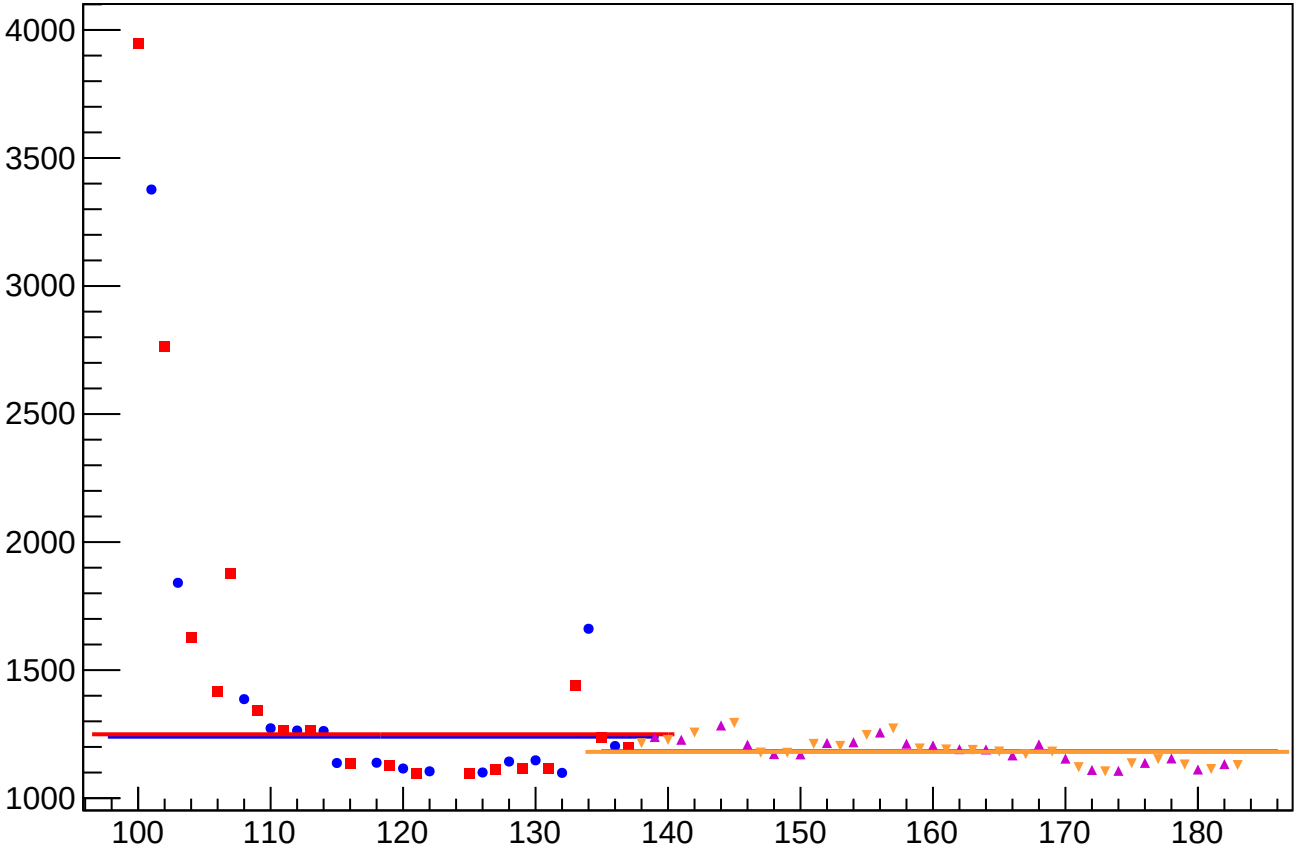
Left In: 44.508+/-278.725 χ^2/NDF:28.5/21

+ sign 584.324+/-238.741 χ^2/NDF: 42.6/38

All: 337.486+/-169.524 χ^2/NDF: 84.2/78

- sign 86.460+/-240.757 χ^2/NDF: 39.5/39

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1180.792+/-0.195 χ^2/NDF:62729.8/22

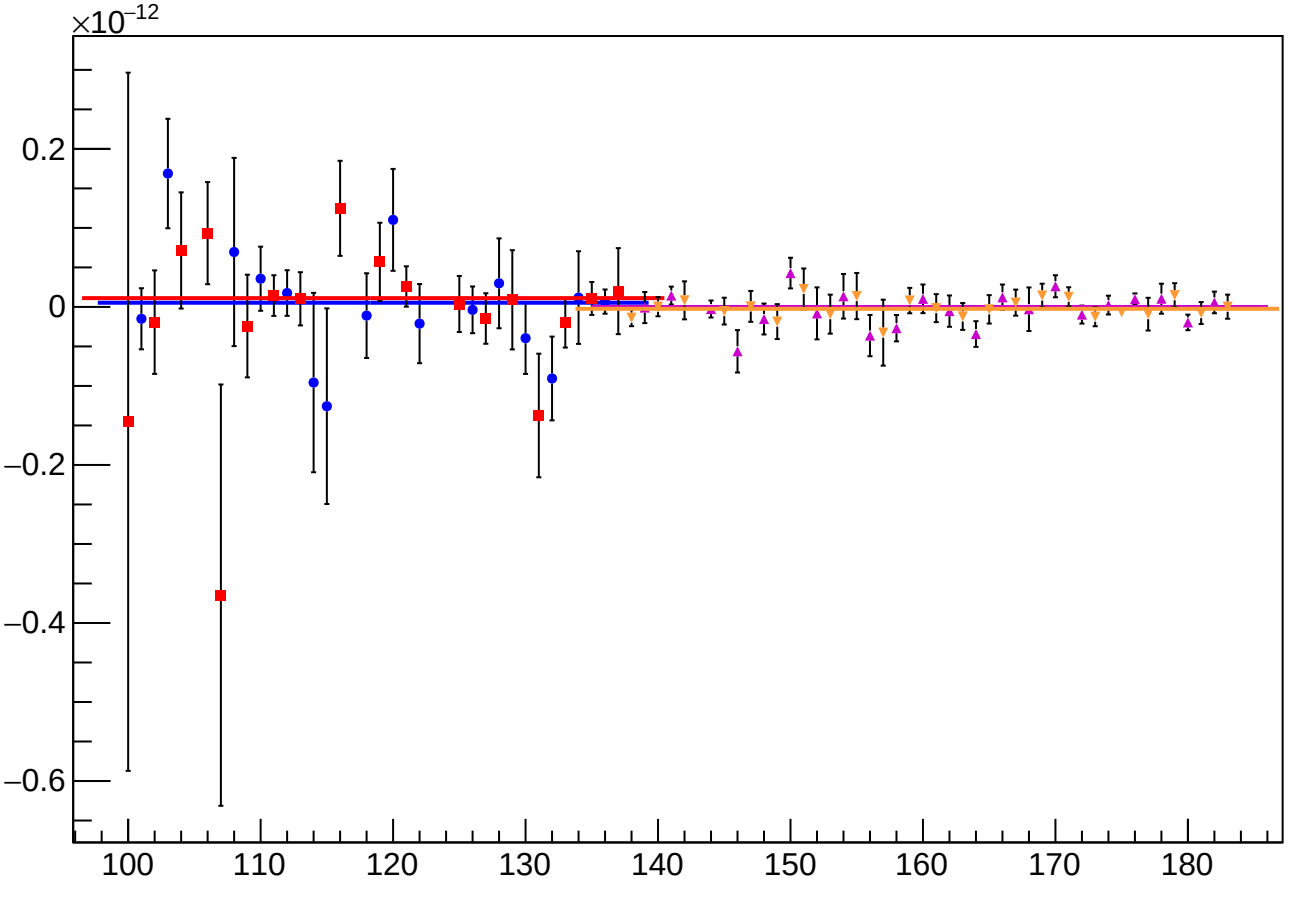
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1182.969+/-0.197 χ^2/NDF:58804.6/21

\+ sign 1195.813+/-0.169 χ^2/NDF: 868772.2/38

All: 1197.808+/-0.120 χ^2/NDF: 1562810.9/78

\- sign 1199.837+/-0.170 χ^2/NDF: 693756.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/22

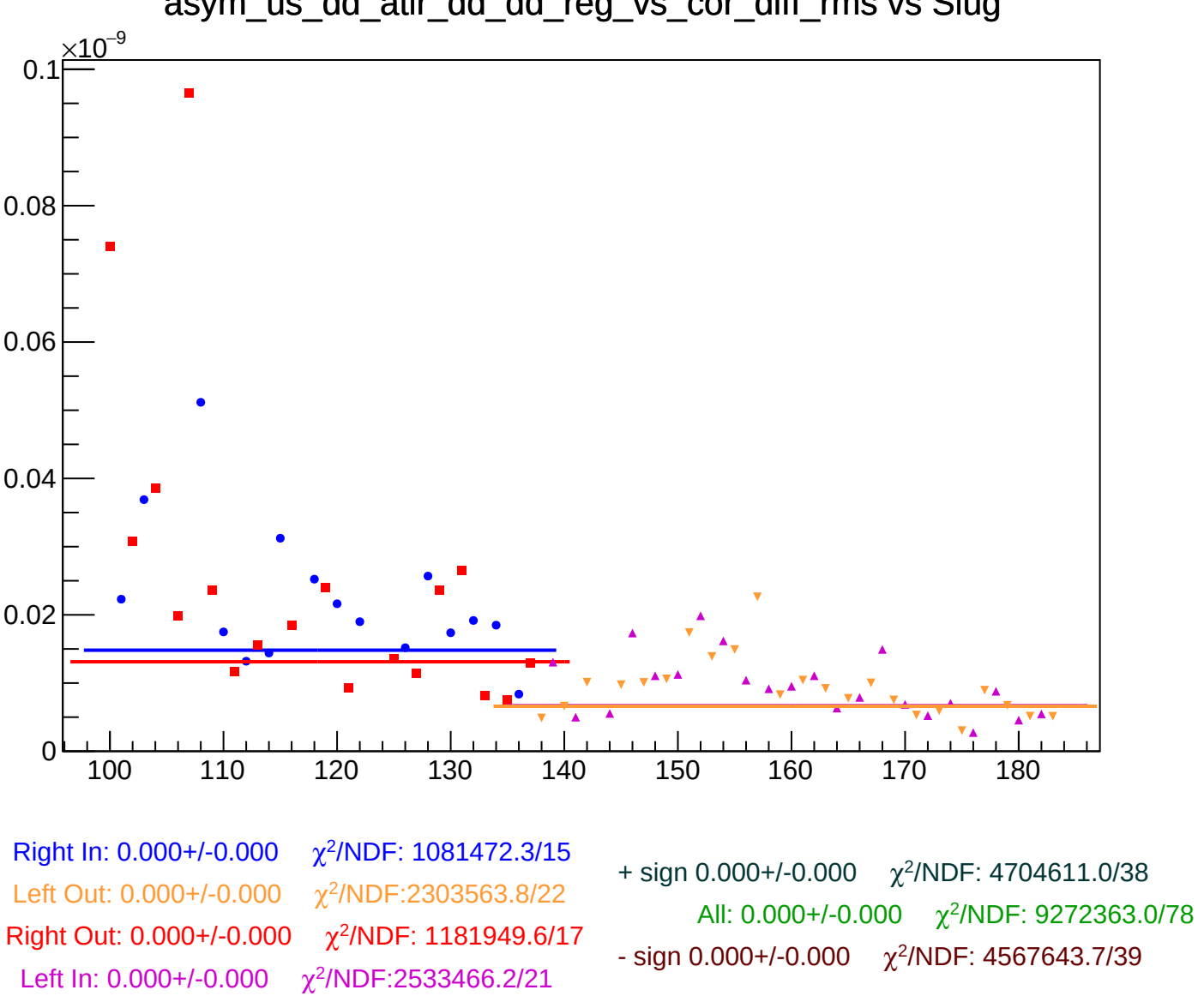
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

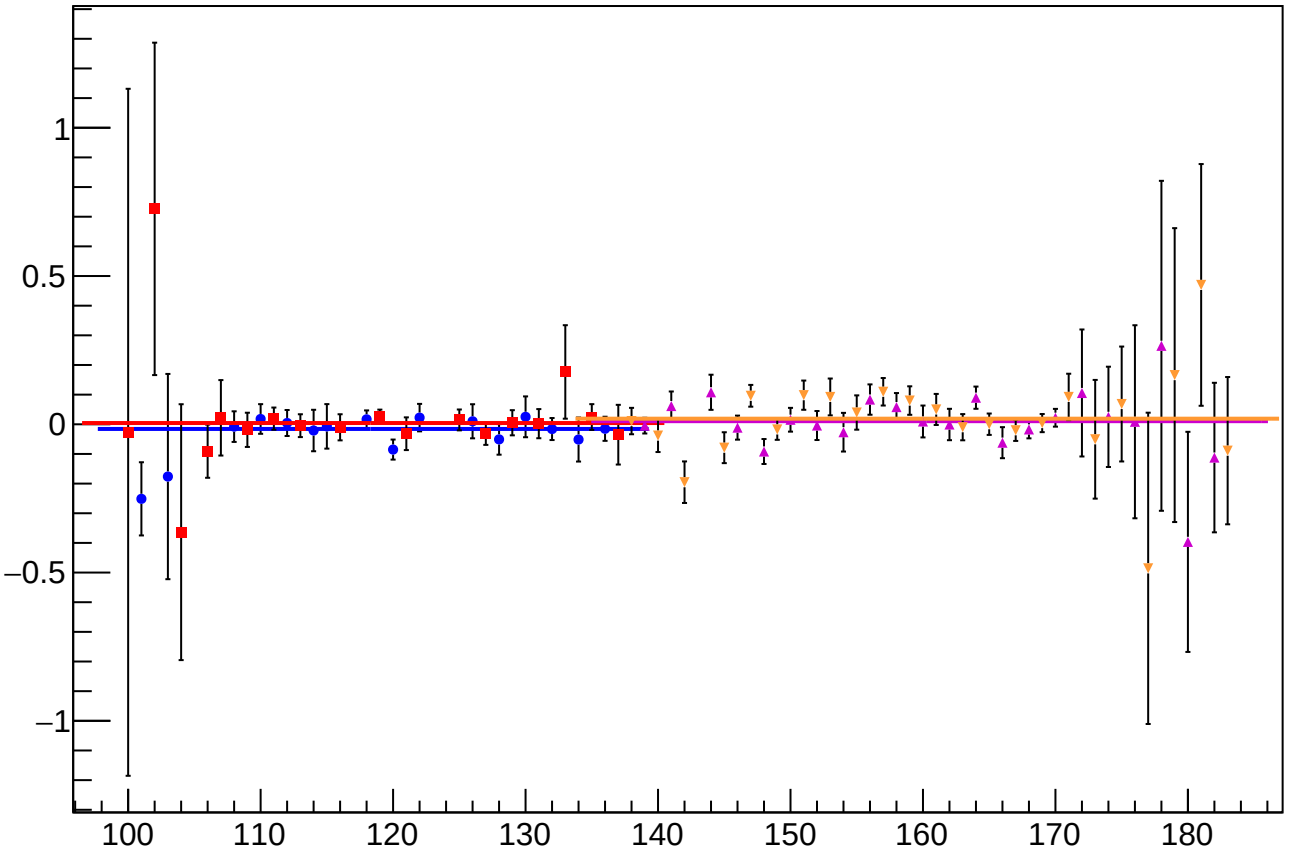
Left In: -0.000+/-0.000 χ^2/NDF:32.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/38

All: -0.000+/-0.000 χ^2/NDF: 76.4/78

- sign 0.000+/-0.000 χ^2/NDF: 48.7/39


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2303563.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:2533466.2/21
+ sign 0.000+/-0.000 χ²/NDF: 4704611.0/38
All: 0.000+/-0.000 χ²/NDF: 9272363.0/78
- sign 0.000+/-0.000 χ²/NDF: 4567643.7/39



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

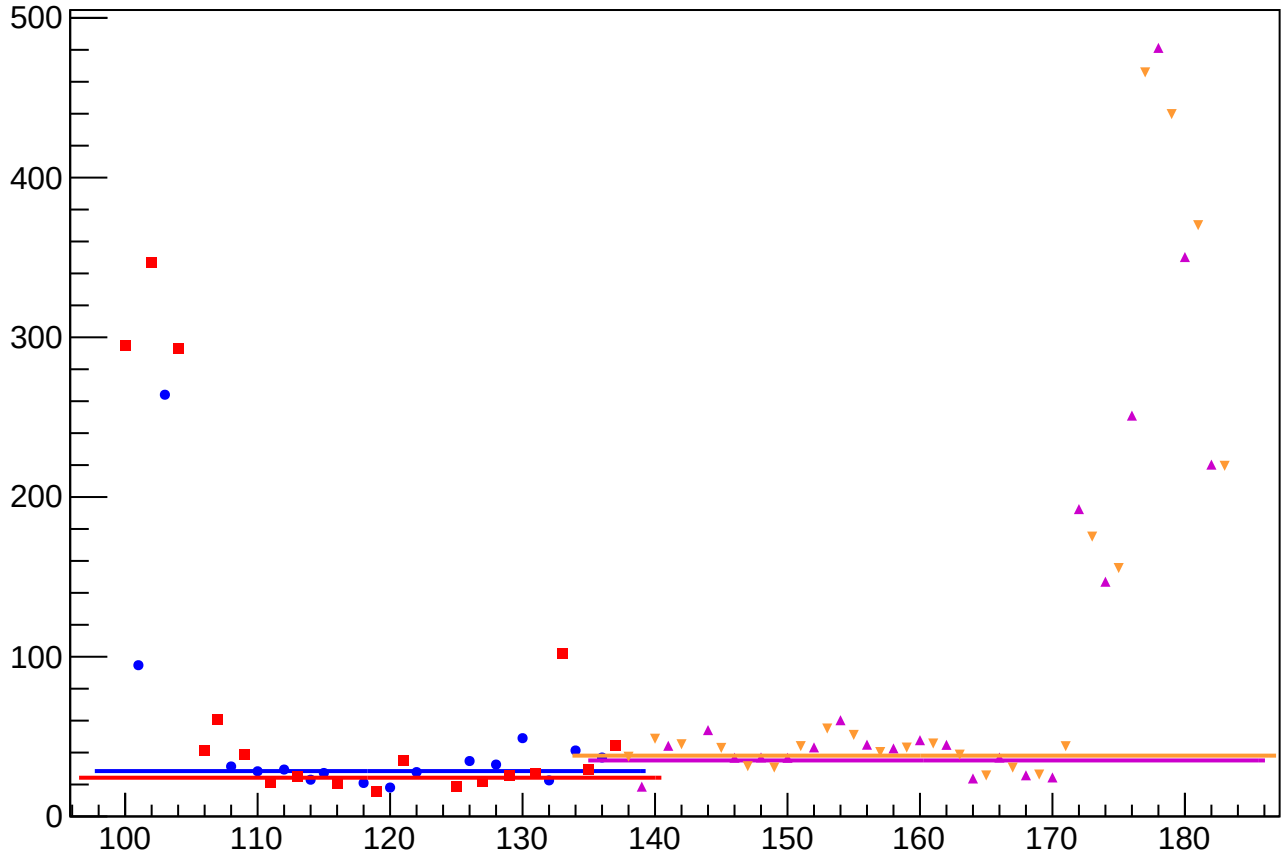
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:23.1/21

+ sign 0.004+/-0.008 χ^2/NDF: 51.3/38

All: 0.006+/-0.006 χ^2/NDF: 82.5/78

- sign 0.008+/-0.008 χ^2/NDF: 31.1/39



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.082+/-0.008 χ^2/NDF:7961326.0/22

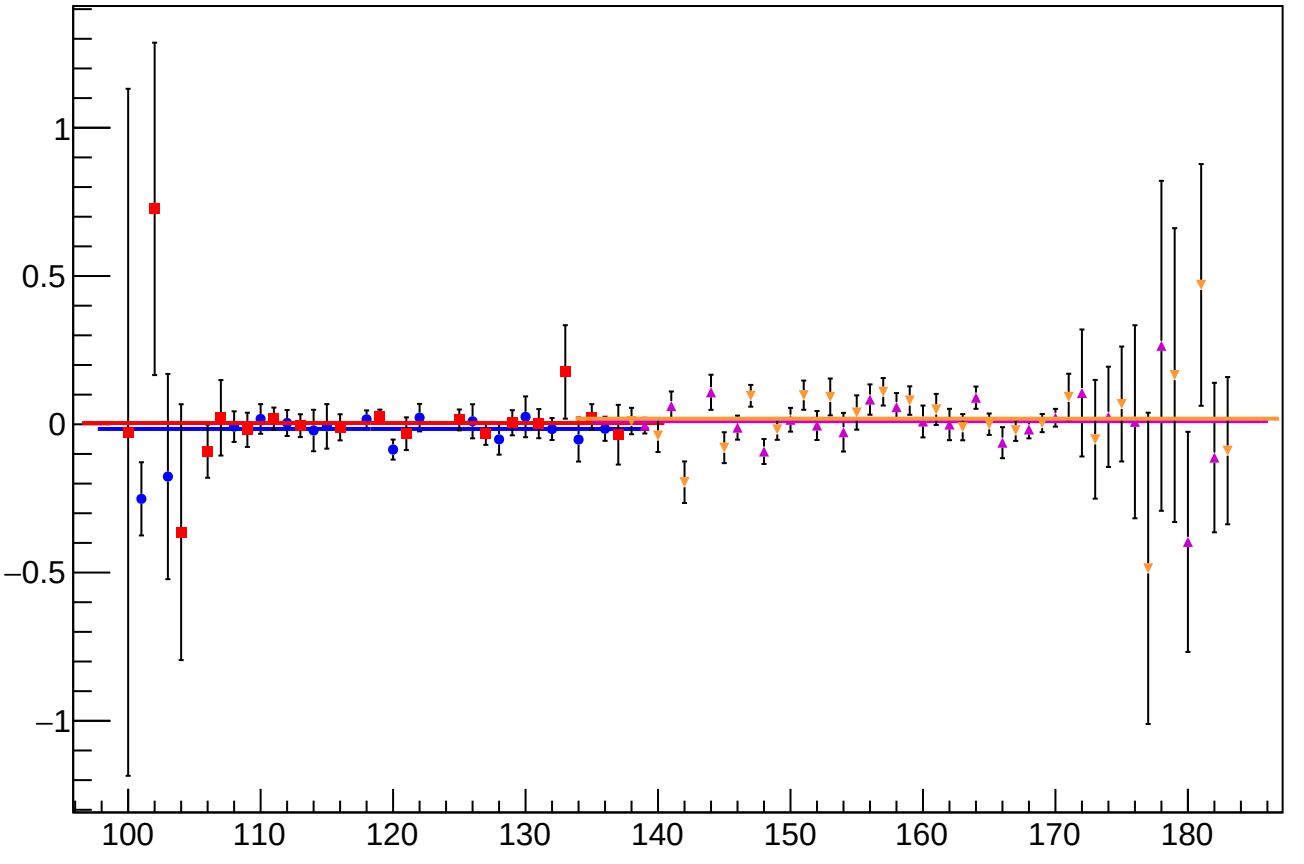
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.071+/-0.007 χ^2/NDF:8982436.7/21

+ sign 33.869+/-0.006 χ^2/NDF: 10903938.9/38

All: 31.946+/-0.004 χ^2/NDF: 24001426.1/78

- sign 30.245+/-0.005 χ^2/NDF: 12886245.4/39



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

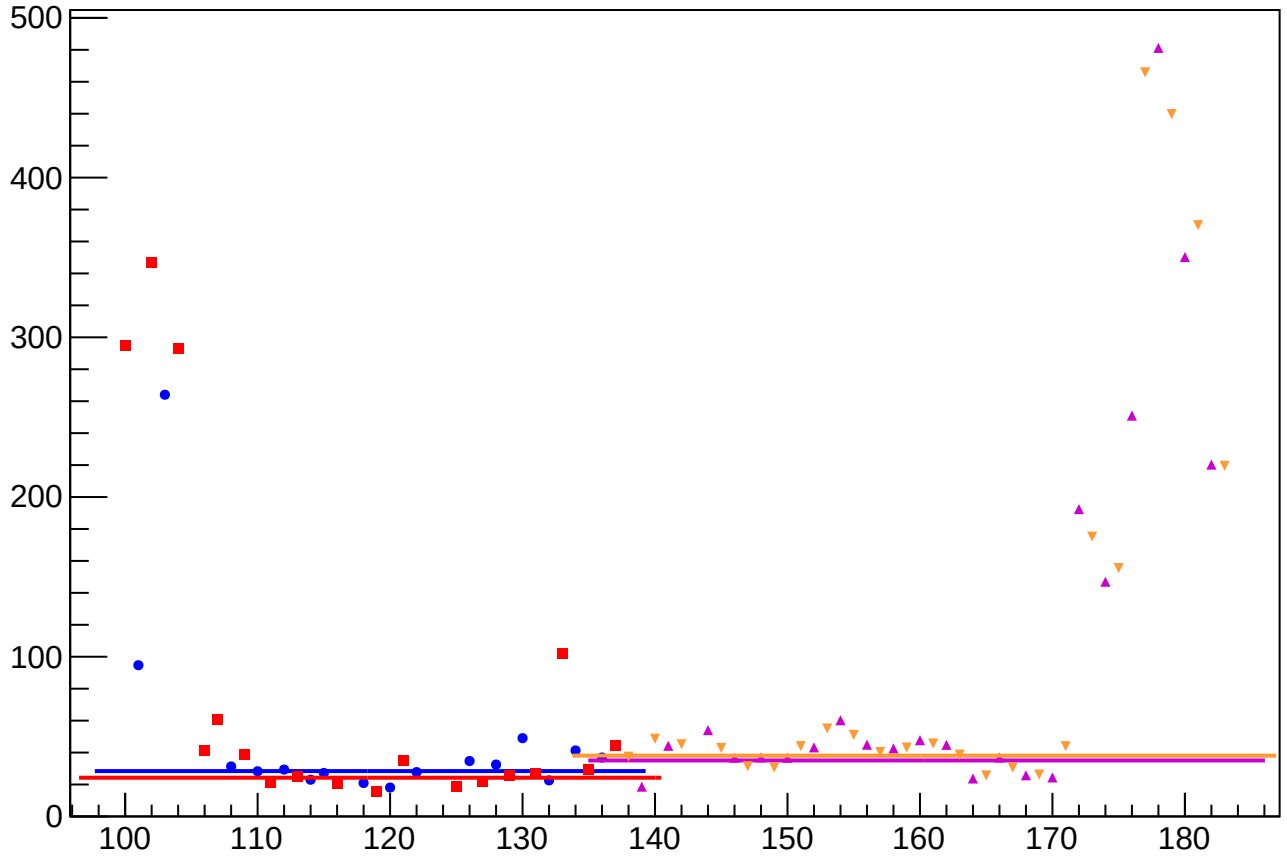
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:23.1/21

+ sign 0.004+/-0.008 χ^2/NDF: 51.3/38

All: 0.006+/-0.006 χ^2/NDF: 82.5/78

- sign 0.008+/-0.008 χ^2/NDF: 31.1/39



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.082+/-0.008 χ^2/NDF:7961326.0/22

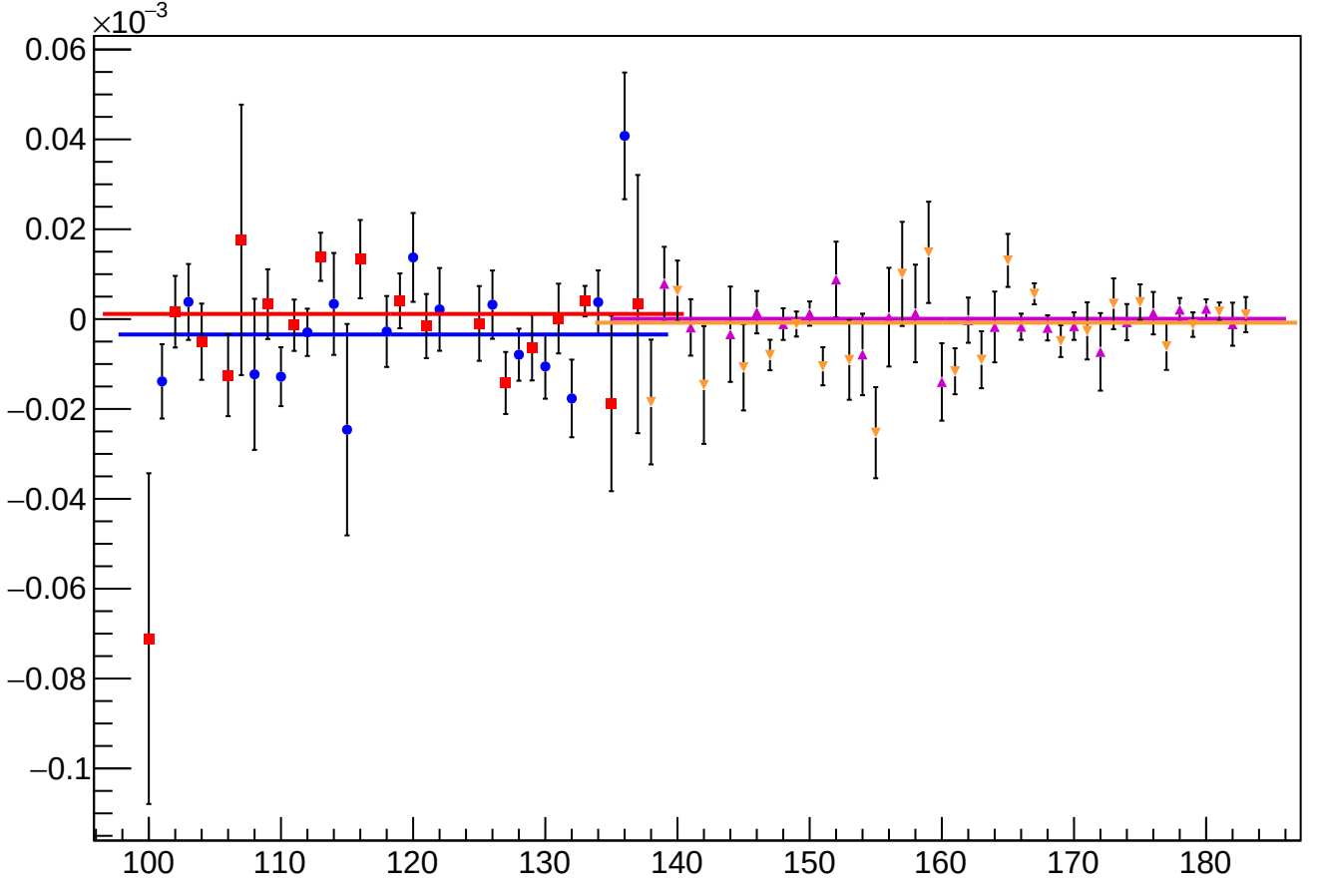
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.071+/-0.007 χ^2/NDF:8982436.7/21

+ sign 33.869+/-0.006 χ^2/NDF: 10903938.9/38

All: 31.946+/-0.004 χ^2/NDF: 24001426.1/78

- sign 30.245+/-0.005 χ^2/NDF: 12886245.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.3/22

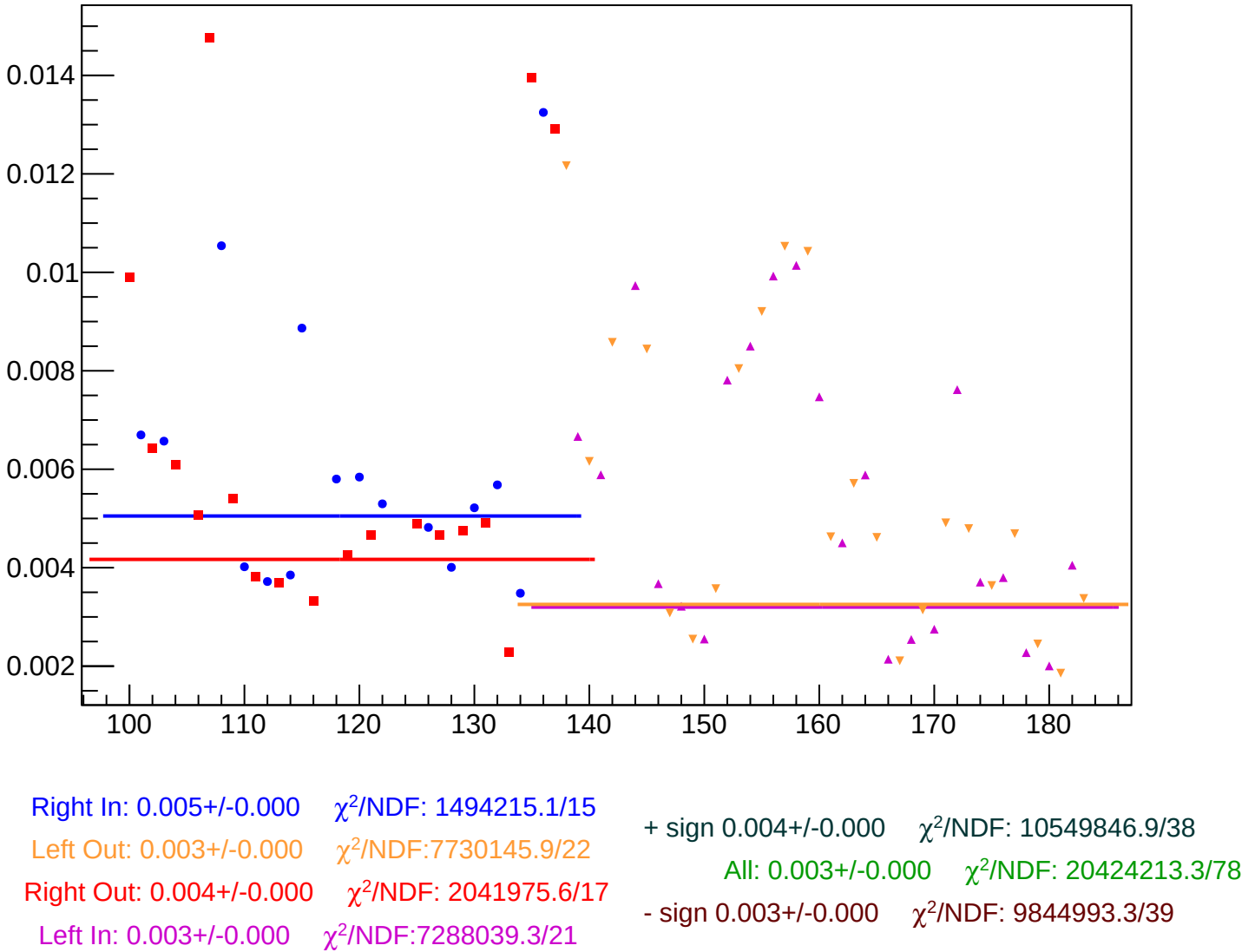
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

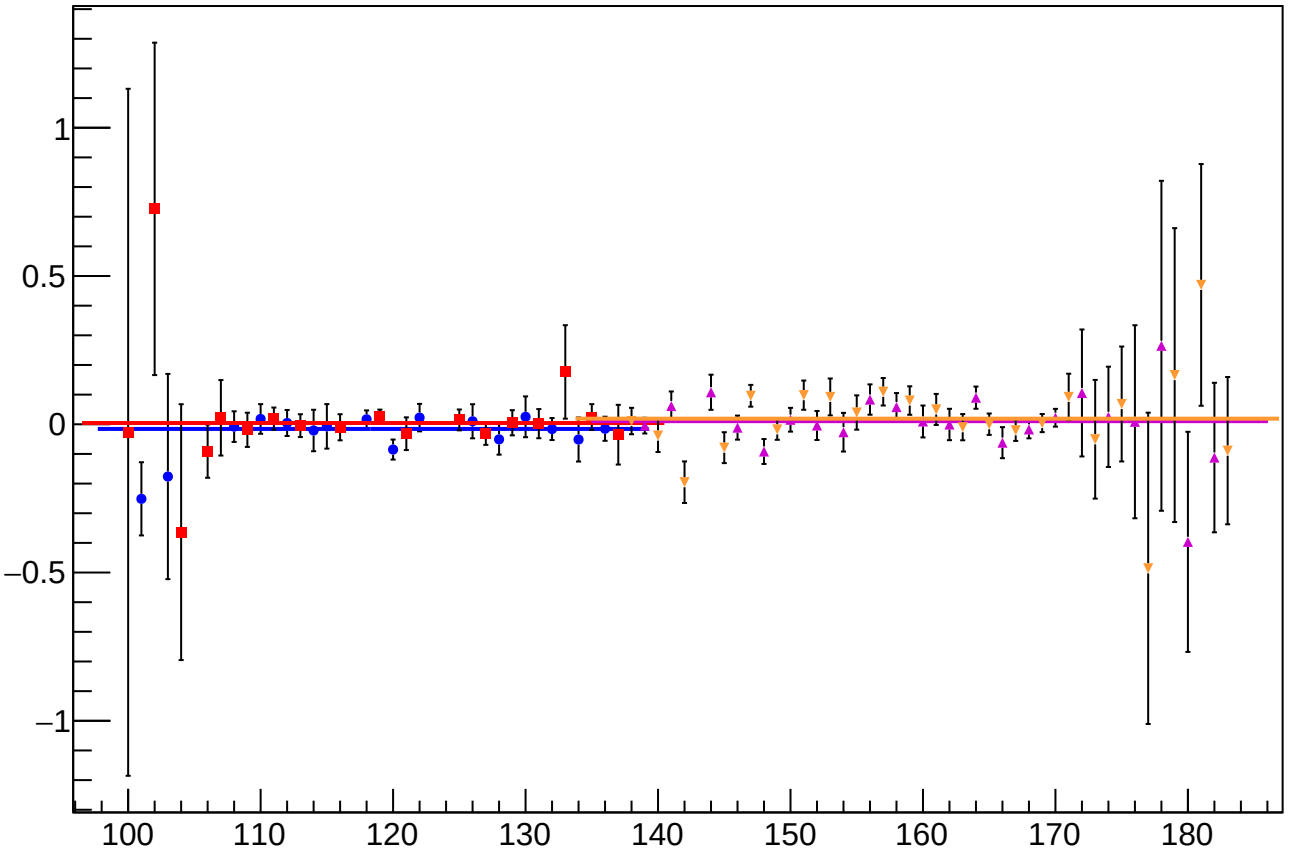
Left In: 0.000+/-0.000 χ^2/NDF:9.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 75.9/38

All: -0.000+/-0.000 χ^2/NDF: 110.9/78

- sign 0.000+/-0.000 χ^2/NDF: 33.2/39


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7730145.9/22
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.003+/-0.000 χ²/NDF:7288039.3/21
+ sign 0.004+/-0.000 χ²/NDF: 10549846.9/38
All: 0.003+/-0.000 χ²/NDF: 20424213.3/78
- sign 0.003+/-0.000 χ²/NDF: 9844993.3/39



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

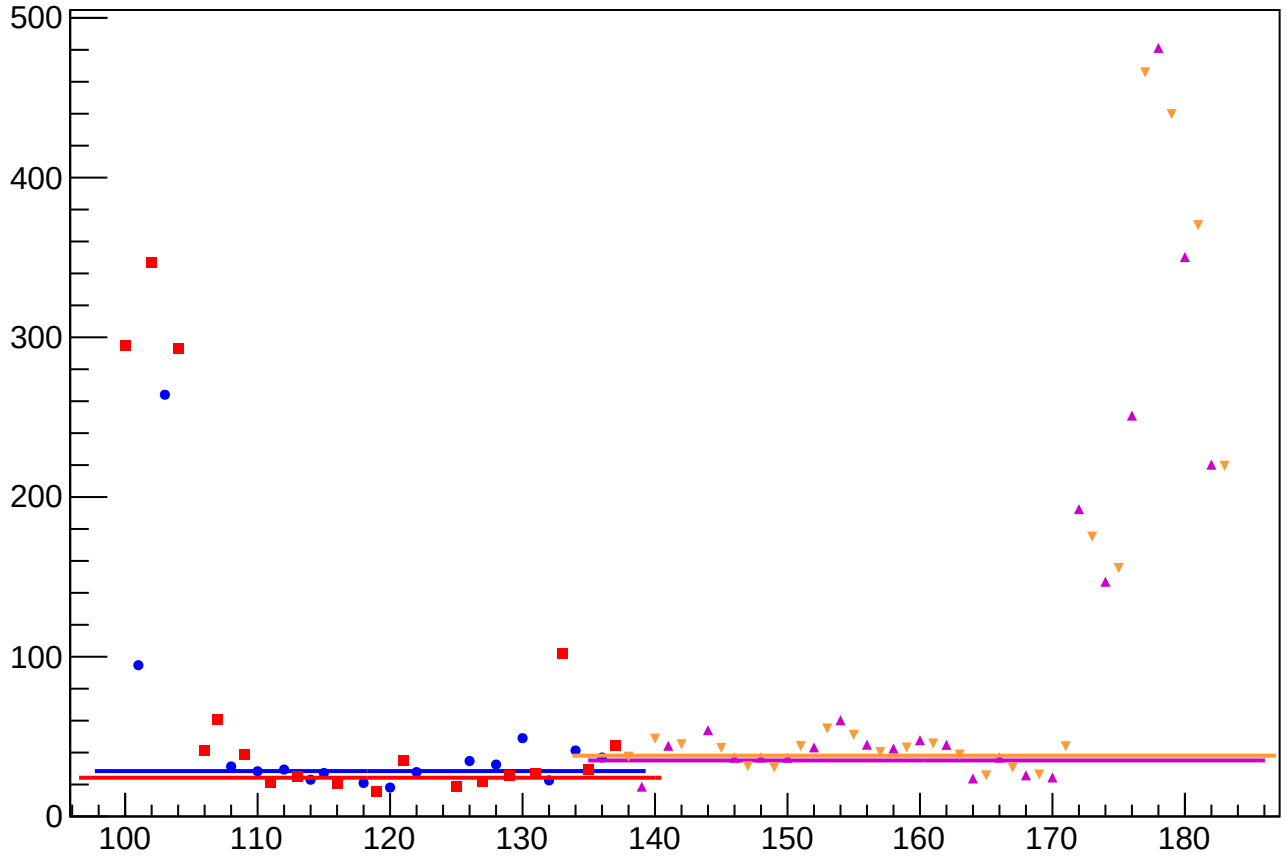
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:23.1/21

+ sign 0.004+/-0.008 χ^2/NDF: 51.3/38

All: 0.006+/-0.006 χ^2/NDF: 82.5/78

- sign 0.008+/-0.008 χ^2/NDF: 31.1/39



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.081+/-0.008 χ^2/NDF:7961497.6/22

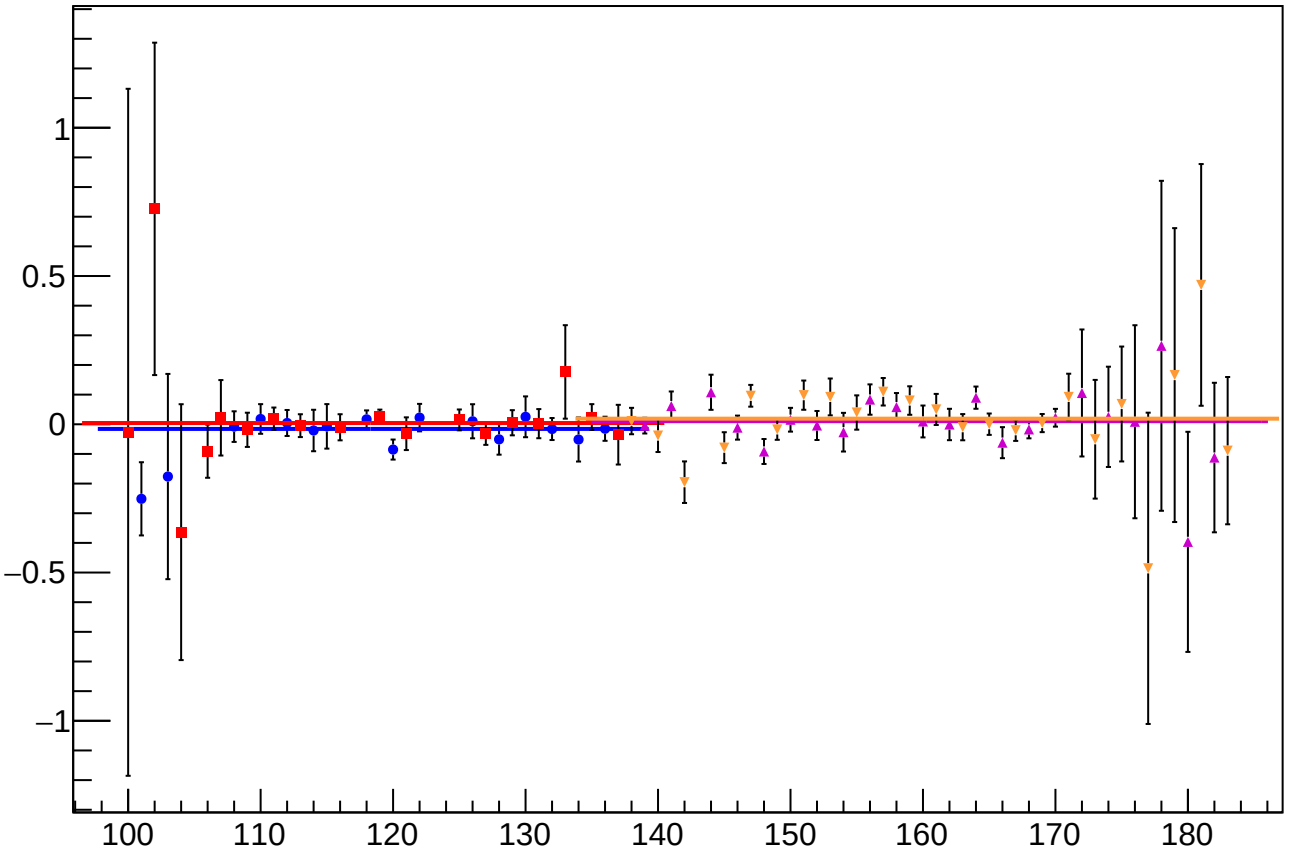
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.070+/-0.007 χ^2/NDF:8982867.9/21

+ sign 33.869+/-0.006 χ^2/NDF: 10904087.9/38

All: 31.946+/-0.004 χ^2/NDF: 24002636.3/78

- sign 30.244+/-0.005 χ^2/NDF: 12887197.1/39



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

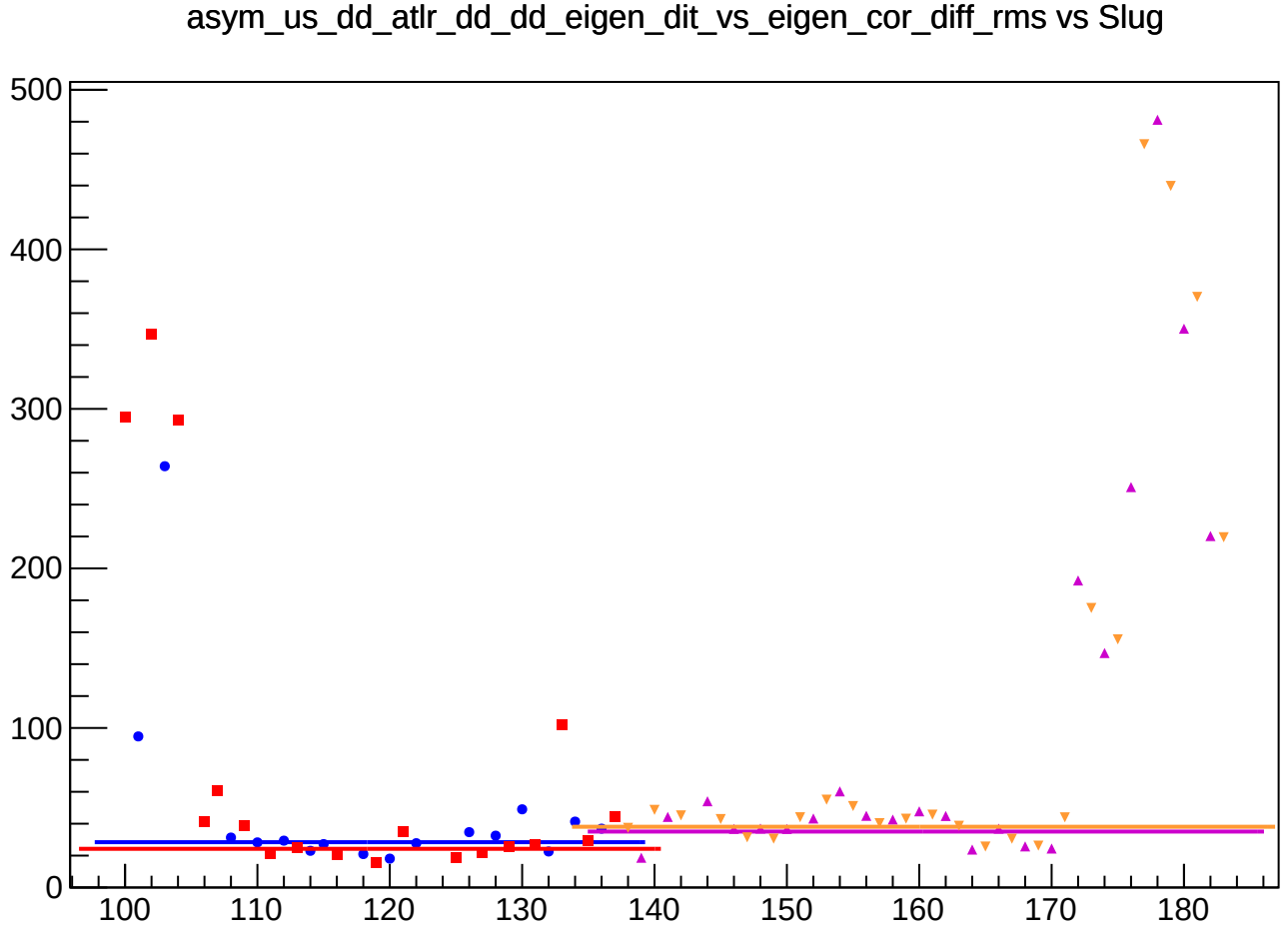
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:23.1/21

+ sign 0.004+/-0.008 χ^2/NDF: 51.3/38

All: 0.006+/-0.006 χ^2/NDF: 82.5/78

- sign 0.008+/-0.008 χ^2/NDF: 31.1/39



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.081+/-0.008 χ^2/NDF:7961497.6/22

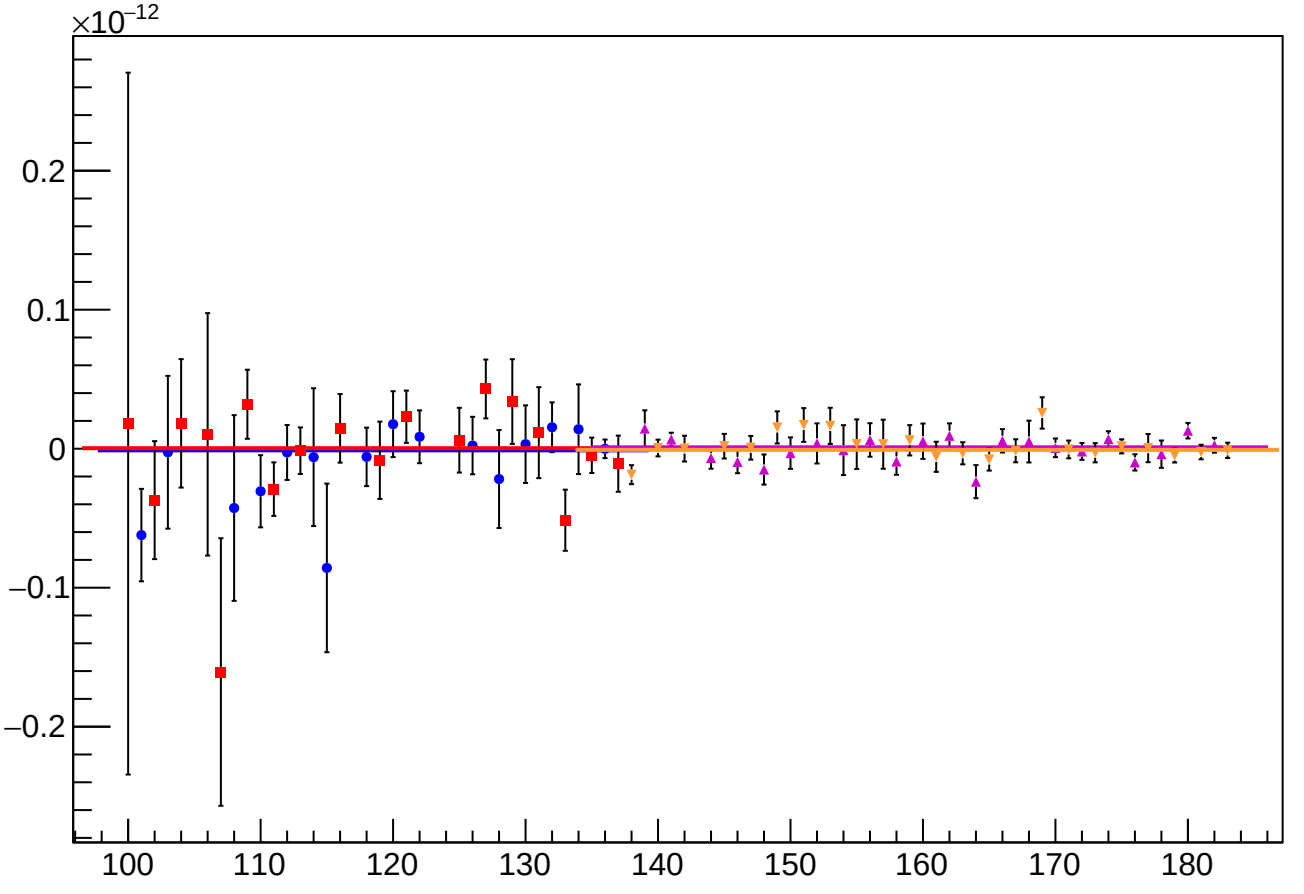
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.070+/-0.007 χ^2/NDF:8982867.9/21

+ sign 33.869+/-0.006 χ^2/NDF: 10904087.9/38

All: 31.946+/-0.004 χ^2/NDF: 24002636.3/78

- sign 30.244+/-0.005 χ^2/NDF: 12887197.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/22

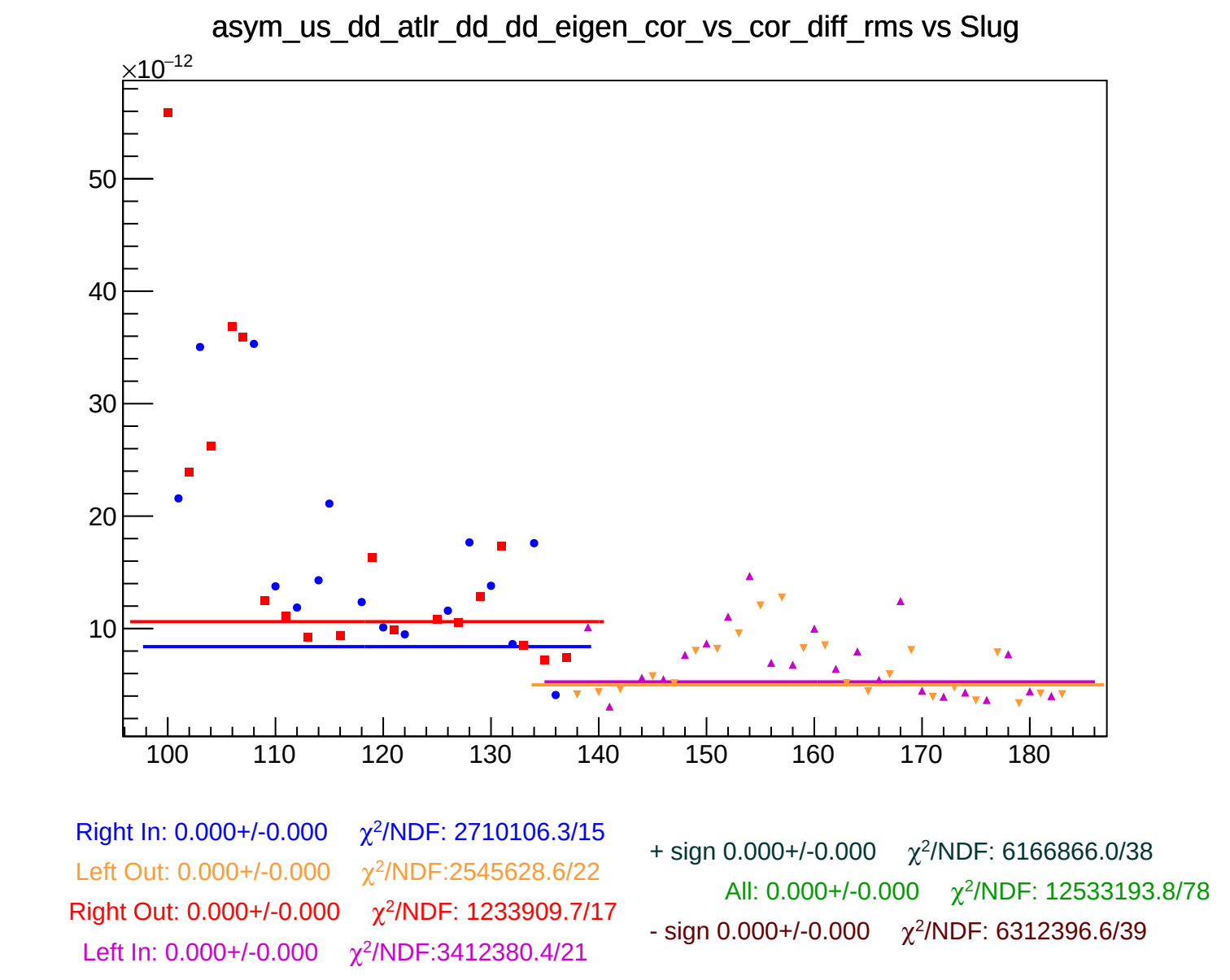
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:24.0/21

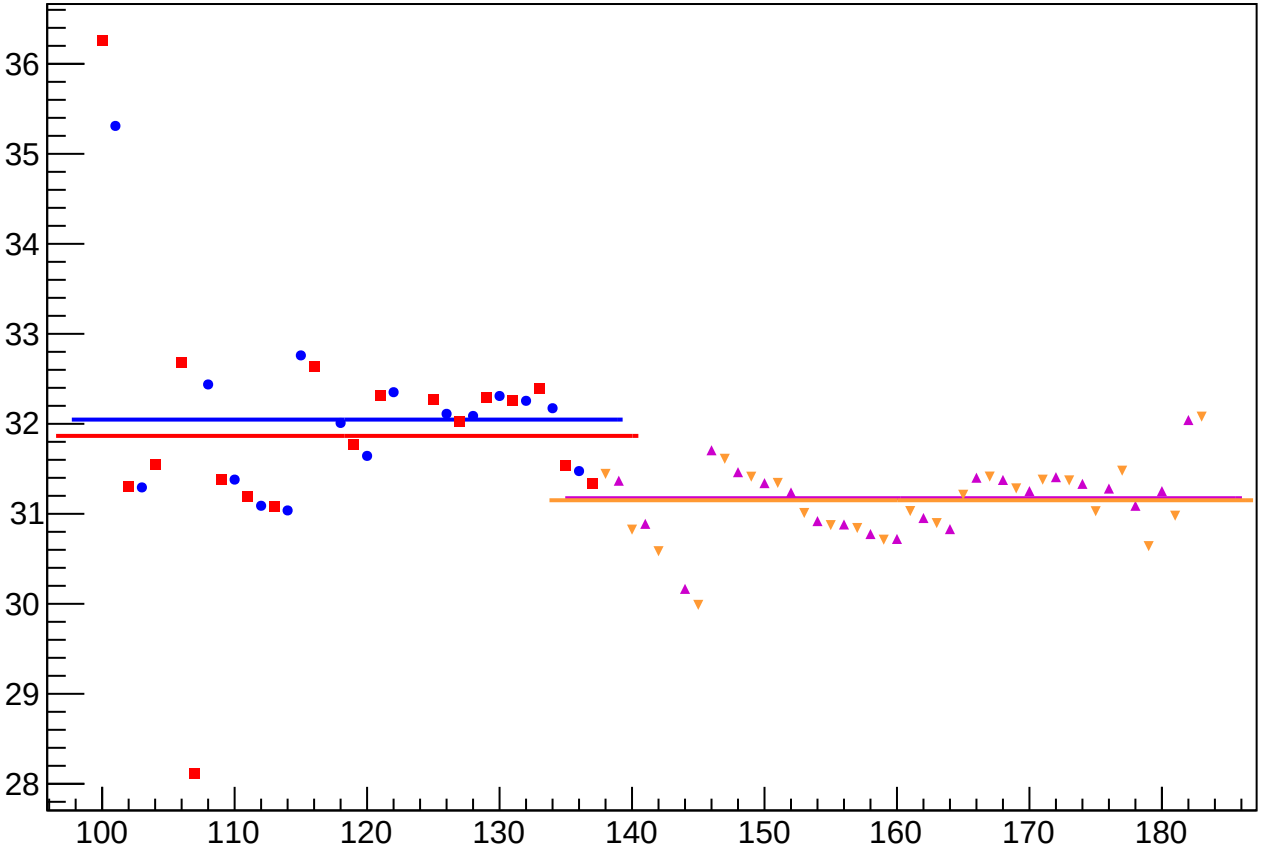
+ sign -0.000+/-0.000 χ^2/NDF: 30.5/38

All: -0.000+/-0.000 χ^2/NDF: 76.3/78

- sign 0.000+/-0.000 χ^2/NDF: 45.1/39


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2545628.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3412380.4/21
+ sign 0.000+/-0.000 χ²/NDF: 6166866.0/38
All: 0.000+/-0.000 χ²/NDF: 12533193.8/78
- sign 0.000+/-0.000 χ²/NDF: 6312396.6/39

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.151+/-0.000 χ^2/NDF:428925377.7/22

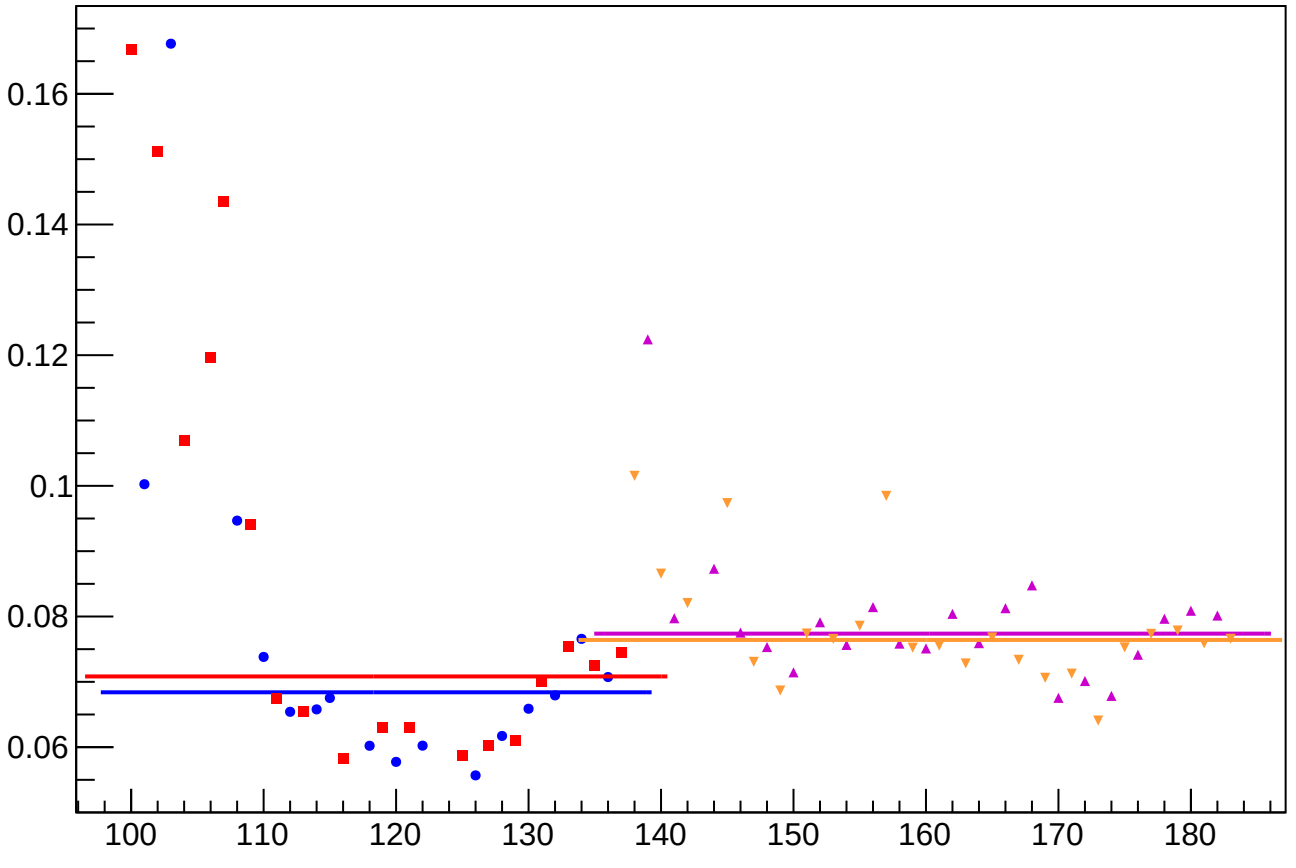
Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.173+/-0.000 χ^2/NDF:368328354.1/21

+ sign 31.439+/-0.000 χ^2/NDF: 2056939464.1/38

All: 31.415+/-0.000 χ^2/NDF: 3324476194.9/7

- sign 31.391+/-0.000 χ^2/NDF: 1262848497.5/39



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:352486.0/22

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

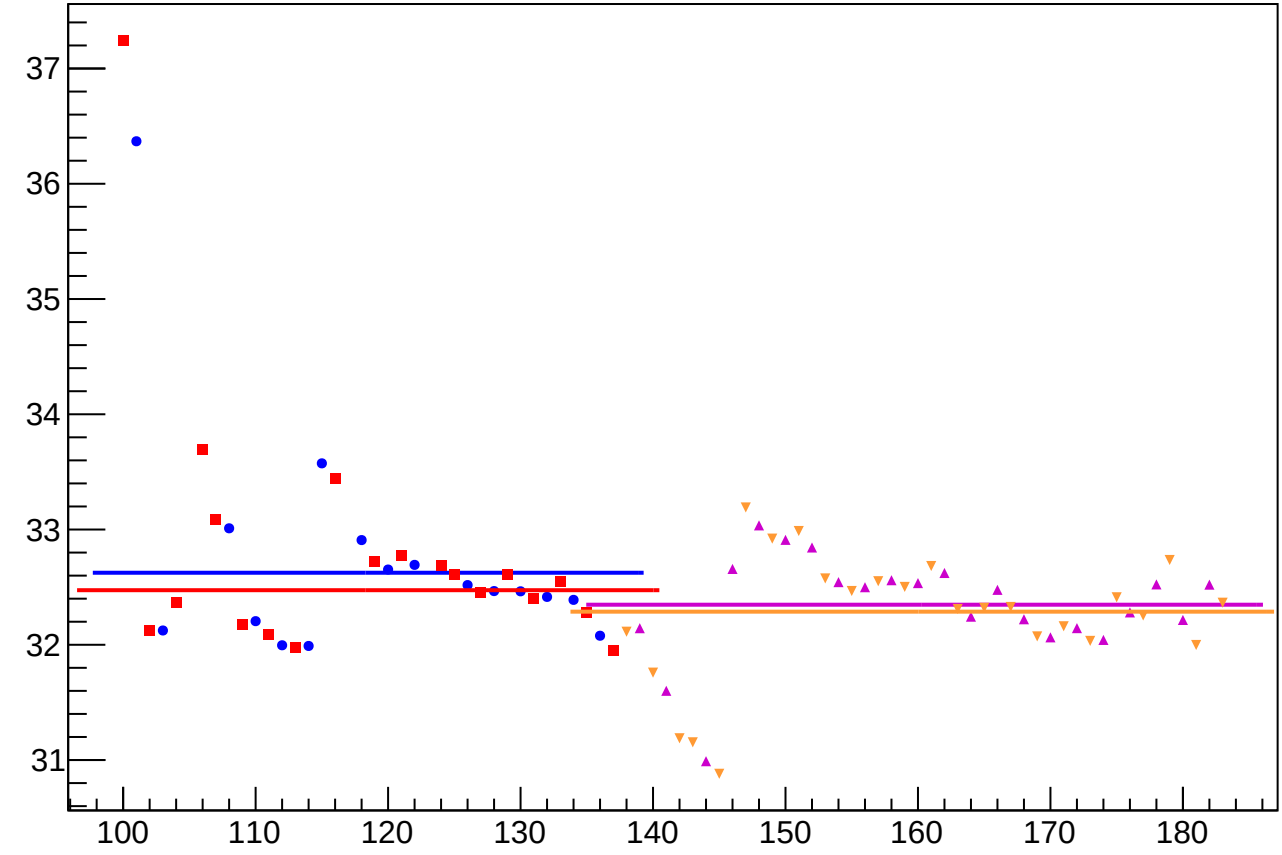
Left In: 0.077+/-0.000 χ^2/NDF:360241.1/21

+ sign 0.074+/-0.000 χ^2/NDF: 1172275.9/38

All: 0.075+/-0.000 χ^2/NDF: 2482919.1/78

- sign 0.075+/-0.000 χ^2/NDF: 1301672.7/39

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.287+/-0.000 χ^2/NDF:834467212.3/23

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

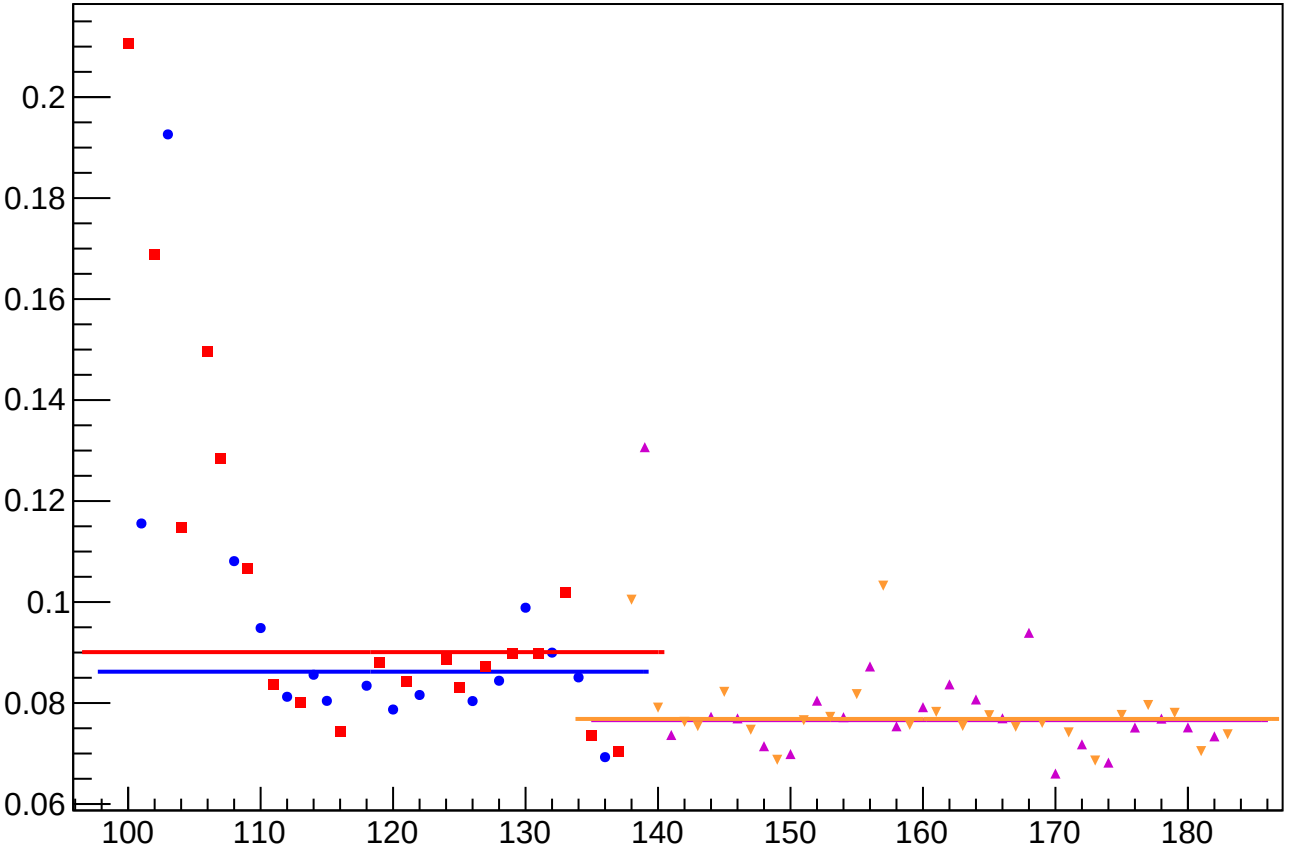
Left In: 32.348+/-0.000 χ^2/NDF:586490392.3/21

+ sign 32.362+/-0.000 χ^2/NDF: 1648493061.6/39

All: 32.369+/-0.000 χ^2/NDF: 2401909538.2/8

- sign 32.375+/-0.000 χ^2/NDF: 753109785.3/40

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:248357.6/23

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

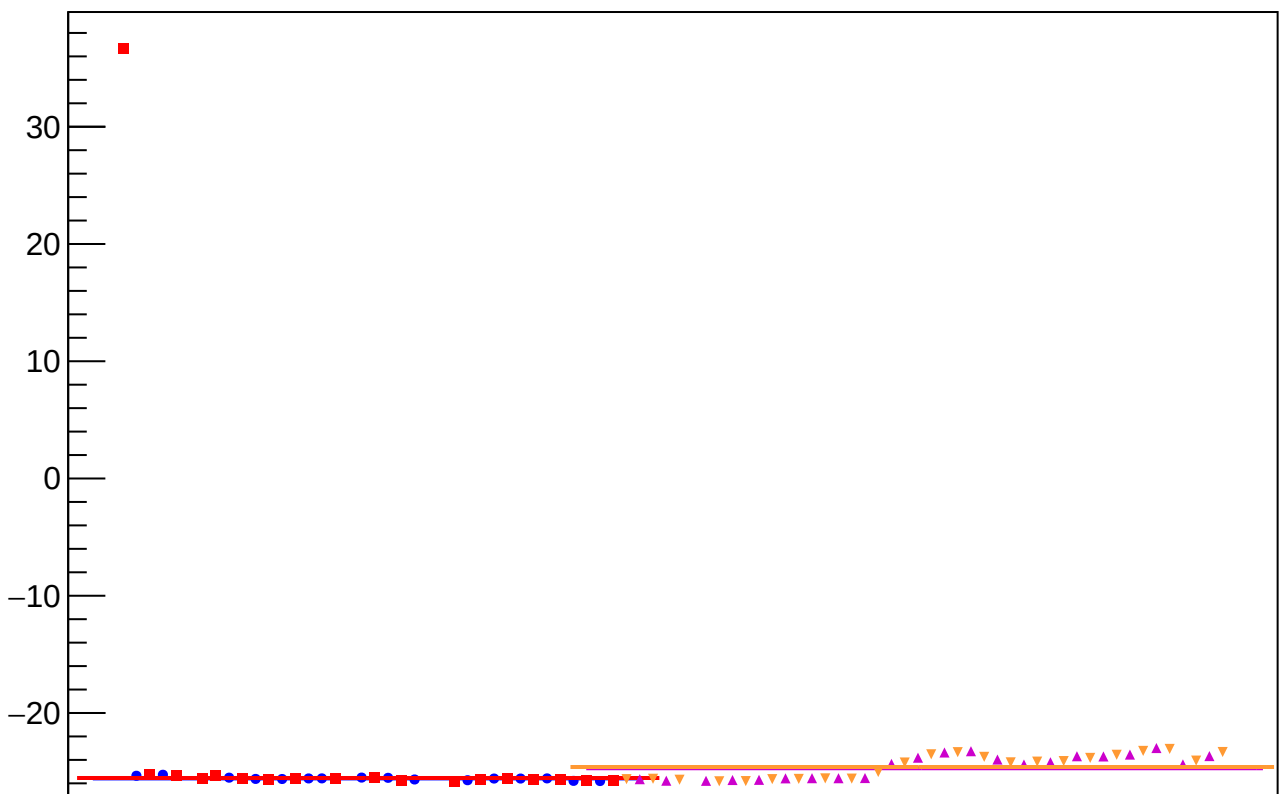
Left In: 0.077+/-0.000 χ^2/NDF:476614.3/21

+ sign 0.079+/-0.000 χ^2/NDF: 962036.8/39

All: 0.079+/-0.000 χ^2/NDF: 2286978.4/80

- sign 0.080+/-0.000 χ^2/NDF: 1323435.3/40

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.606+/-0.000 χ^2/NDF:8919507350.2/22

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

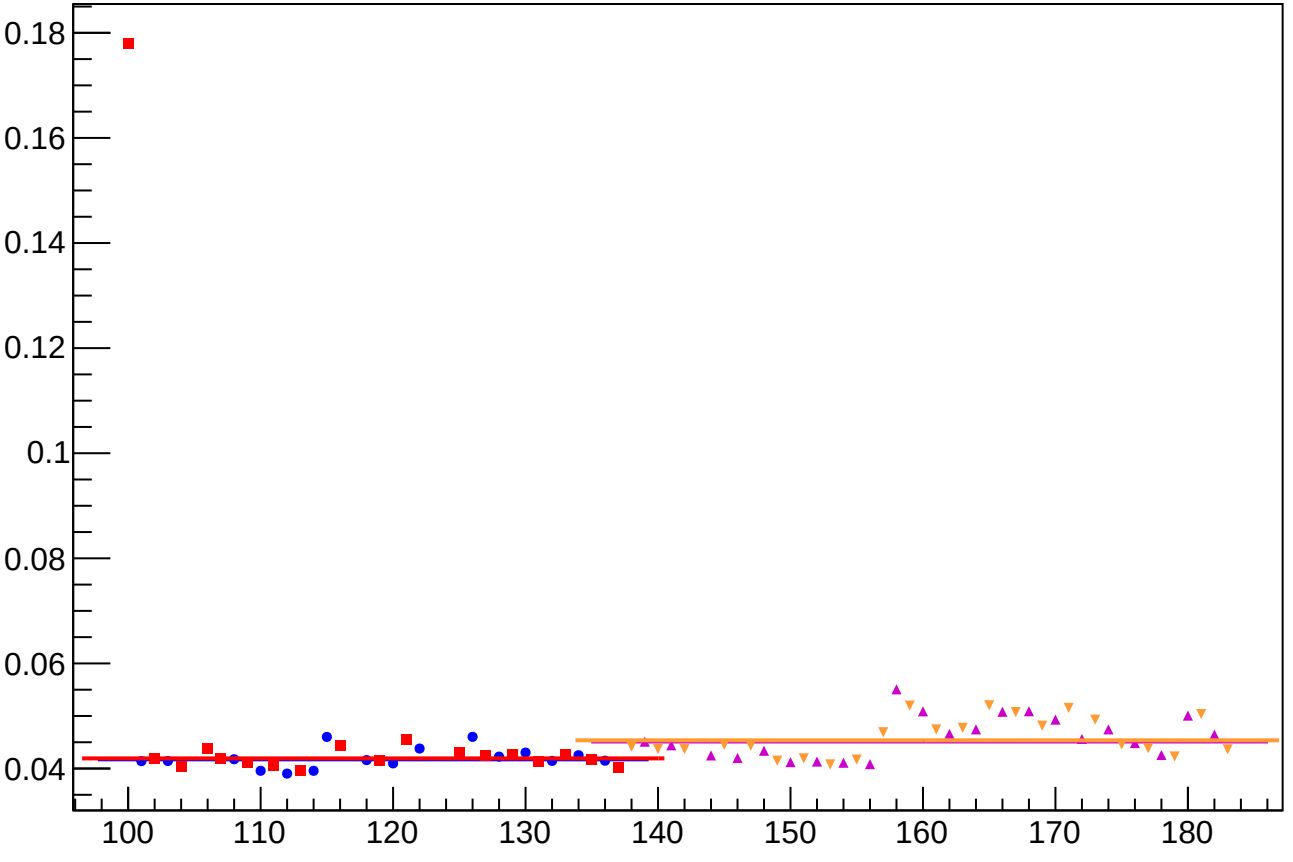
Left In: -24.713+/-0.000 χ^2/NDF:8463881210.2/21

+ sign -24.920+/-0.000 χ^2/NDF: 11651757890.7/38

All: -24.951+/-0.000 χ^2/NDF: 30969991292.2

- sign -24.982+/-0.000 χ^2/NDF: 19294120056.0/39

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:203752.7/22

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

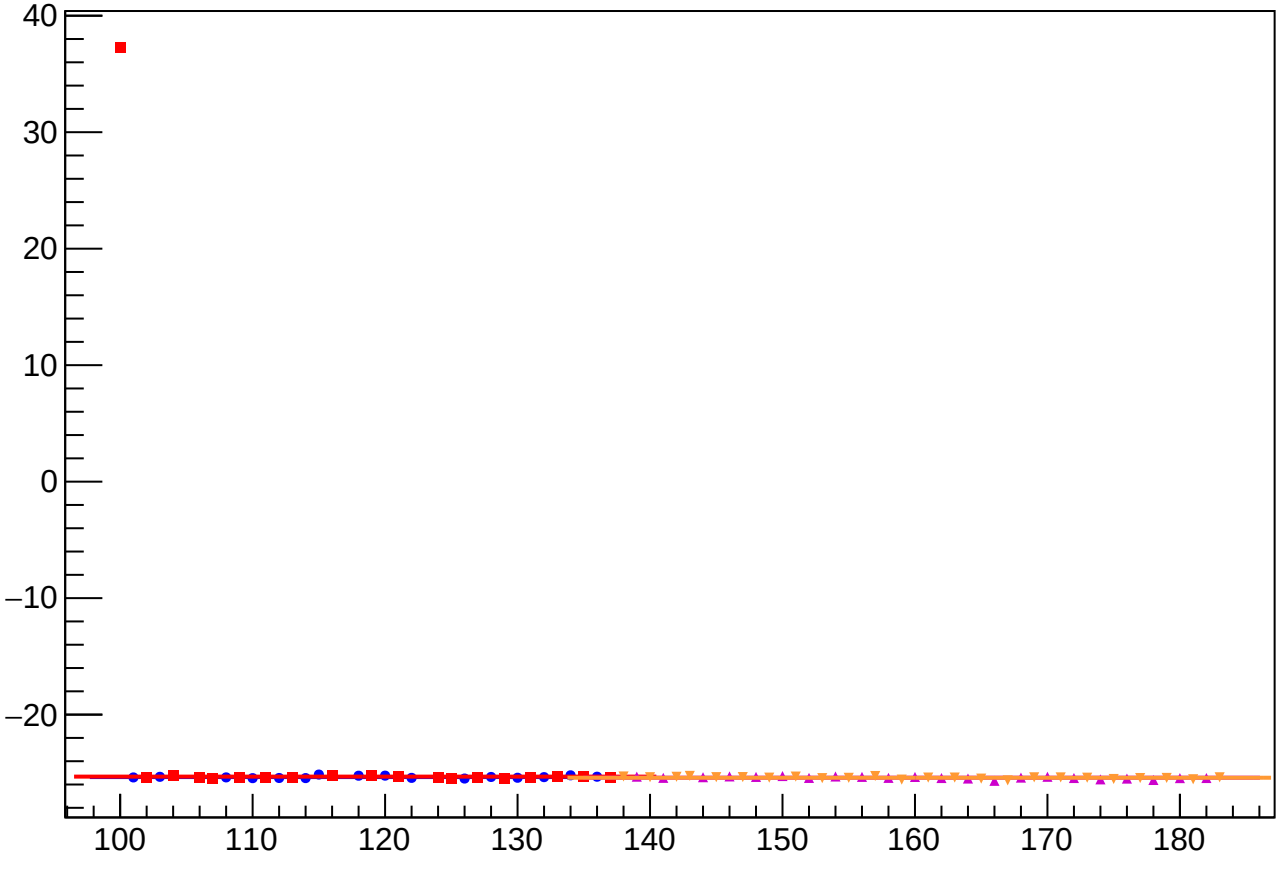
Left In: 0.045+/-0.000 χ^2/NDF:240223.1/21

+ sign 0.044+/-0.000 χ^2/NDF: 297458.4/38

All: 0.044+/-0.000 χ^2/NDF: 695557.3/78

- sign 0.044+/-0.000 χ^2/NDF: 397980.4/39

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.418+/-0.000 χ^2/NDF:51534760.9/23

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

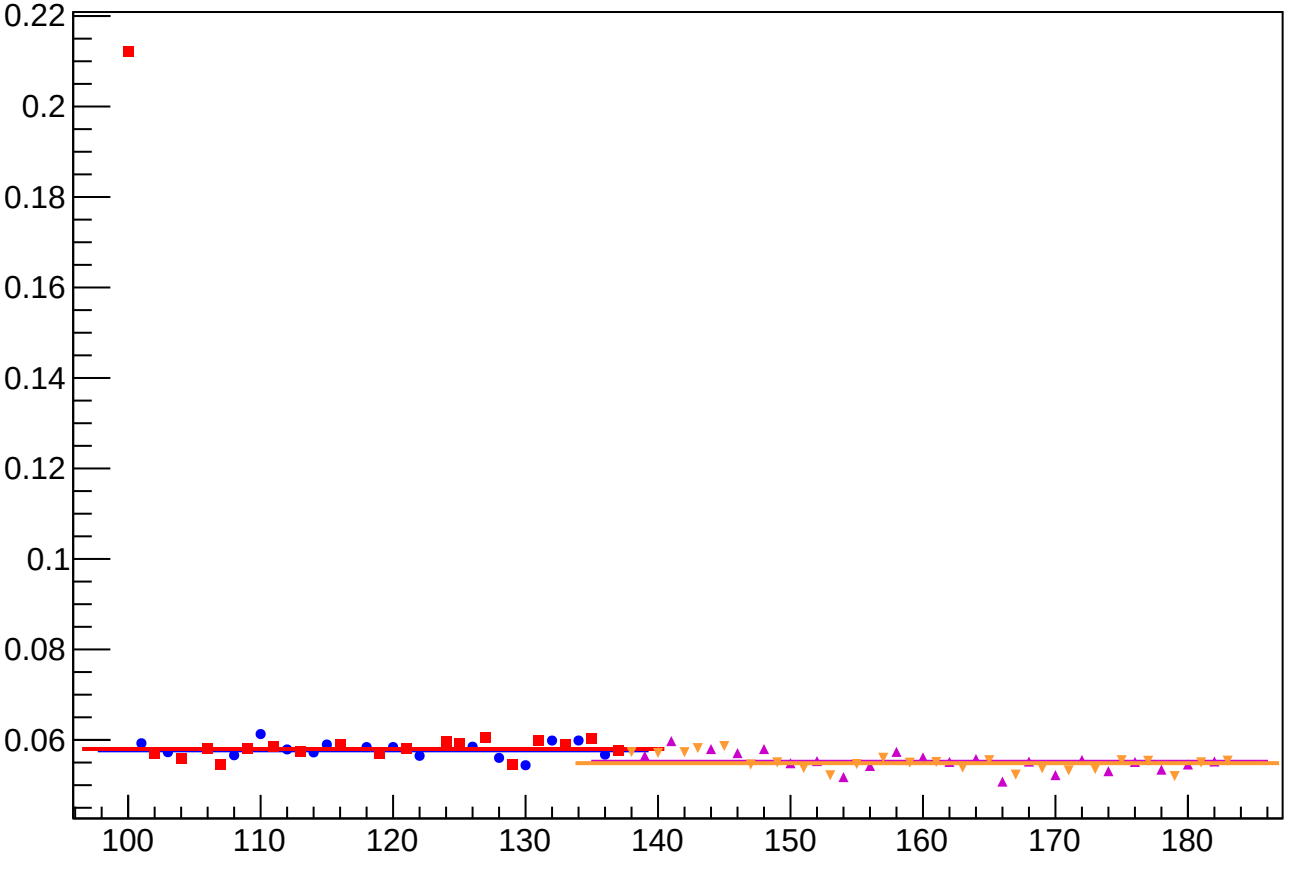
Left In: -25.416+/-0.000 χ^2/NDF:55106681.8/21

+ sign -25.403+/-0.000 χ^2/NDF: 70050784.2/39

All: -25.397+/-0.000 χ^2/NDF: 6454473477.9/

- sign -25.390+/-0.000 χ^2/NDF: 6383728567.8/40

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:36769.3/23

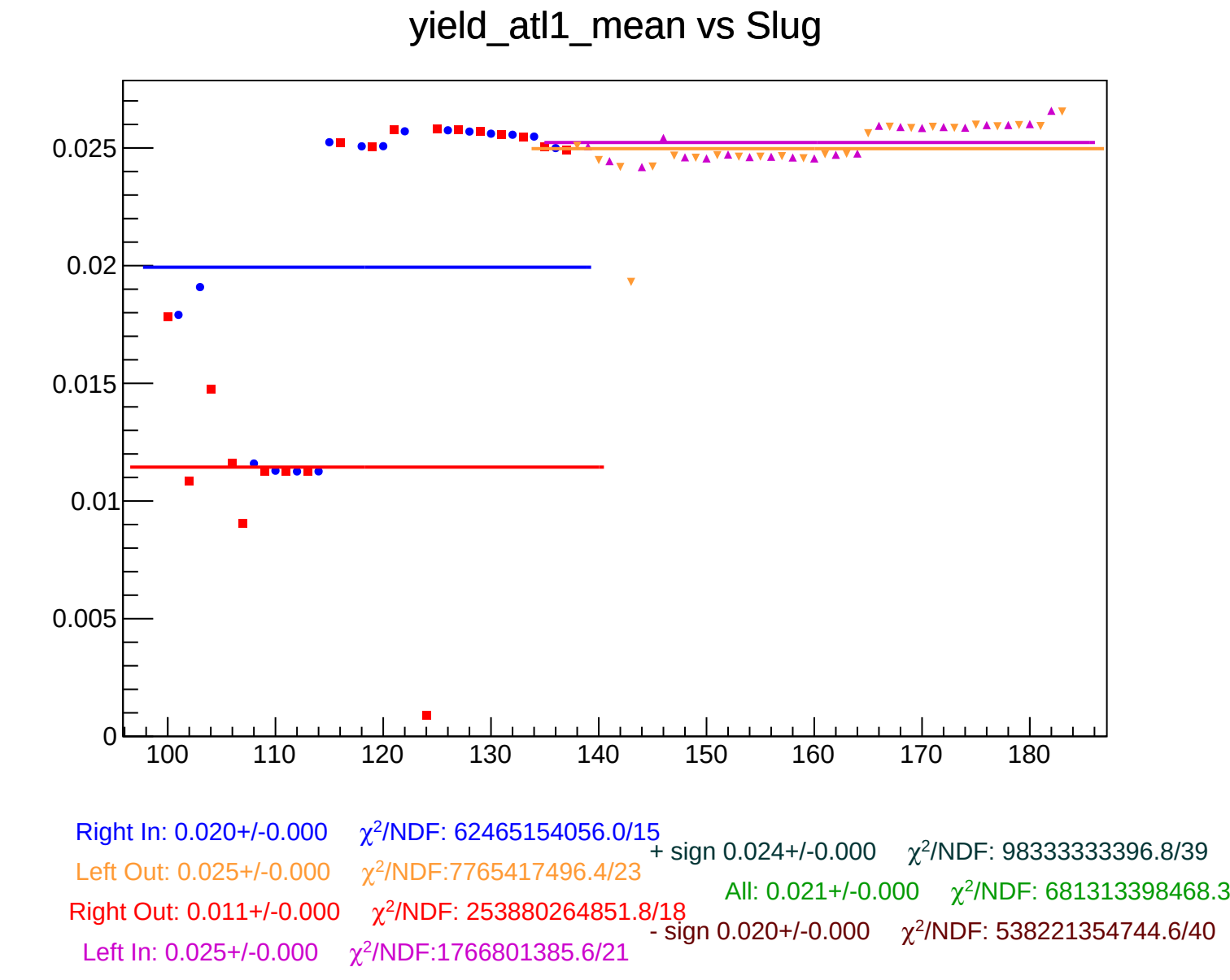
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:49279.4/21

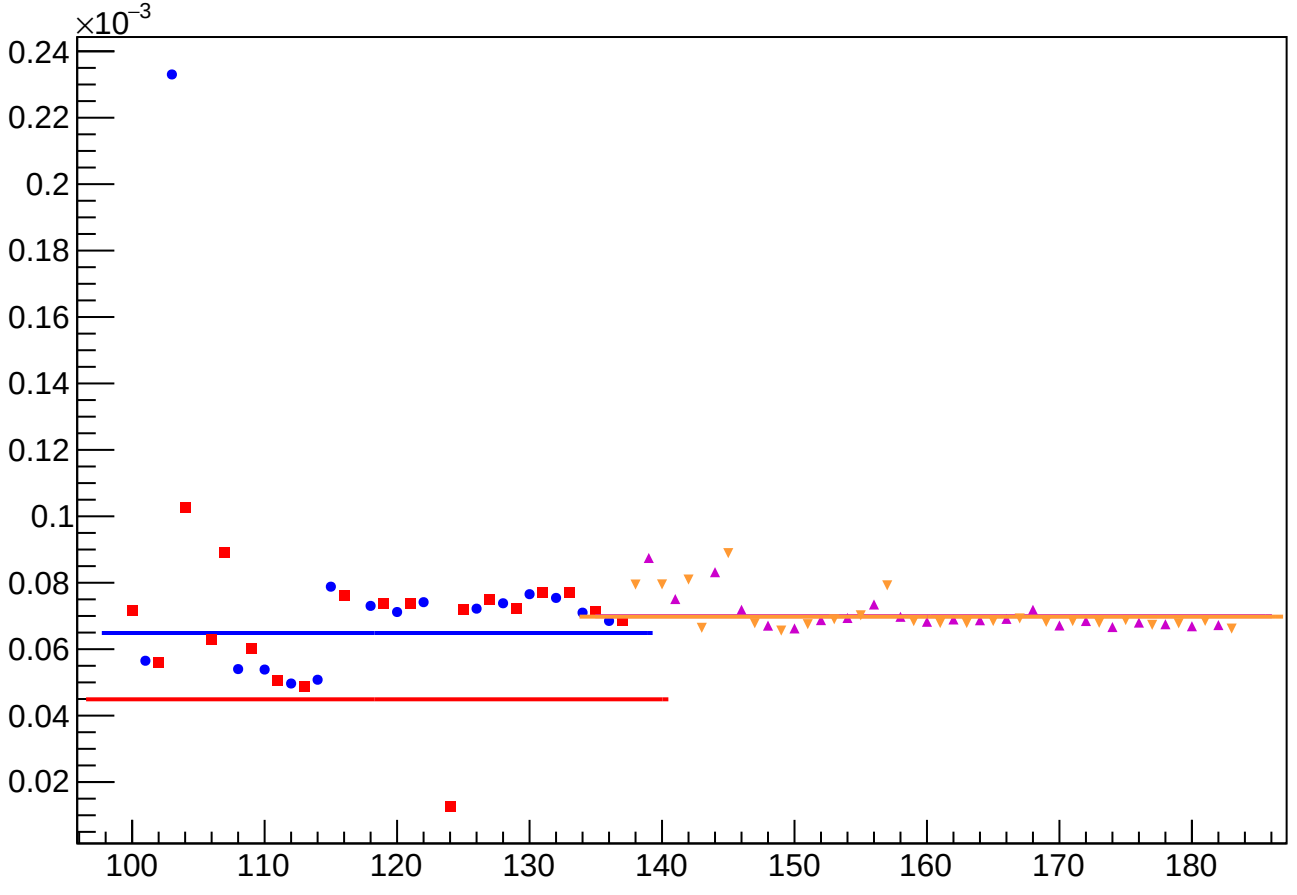
+ sign 0.056+/-0.000 χ^2/NDF: 73700.7/39

All: 0.056+/-0.000 χ^2/NDF: 237606.6/80

- sign 0.056+/-0.000 χ^2/NDF: 162887.3/40


yield_atl1_mean vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.025+/-0.000 χ²/NDF:7765417496.4/23
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:1766801385.6/21
+ sign 0.024+/-0.000 χ²/NDF: 98333333396.8/39
All: 0.021+/-0.000 χ²/NDF: 681313398468.3
- sign 0.020+/-0.000 χ²/NDF: 538221354744.6/40

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:185952.5/23

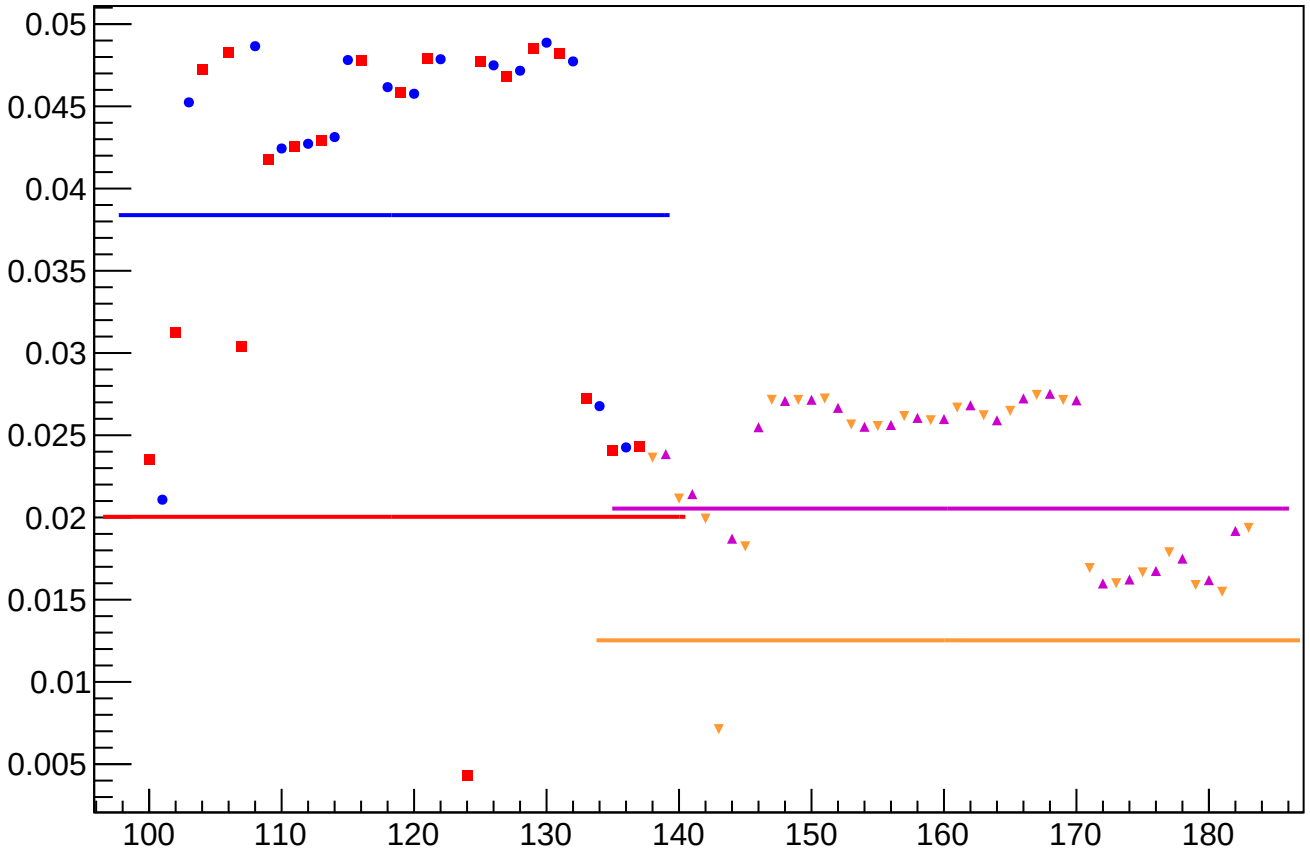
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:150791.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 1056496.3/39

All: 0.000+/-0.000 χ^2/NDF: 7275143.0/80

- sign 0.000+/-0.000 χ^2/NDF: 5781985.7/40



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:36970001164.3/23

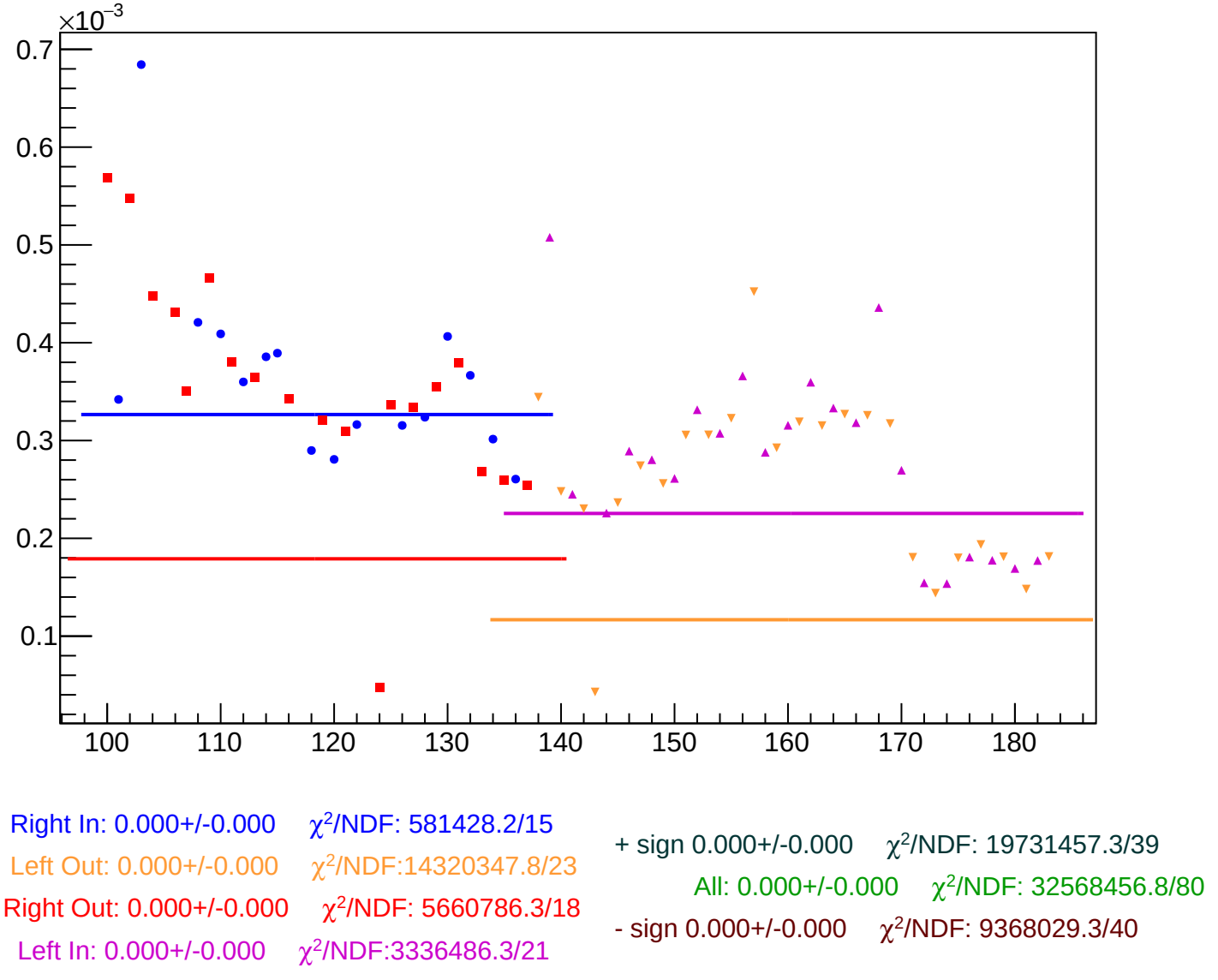
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

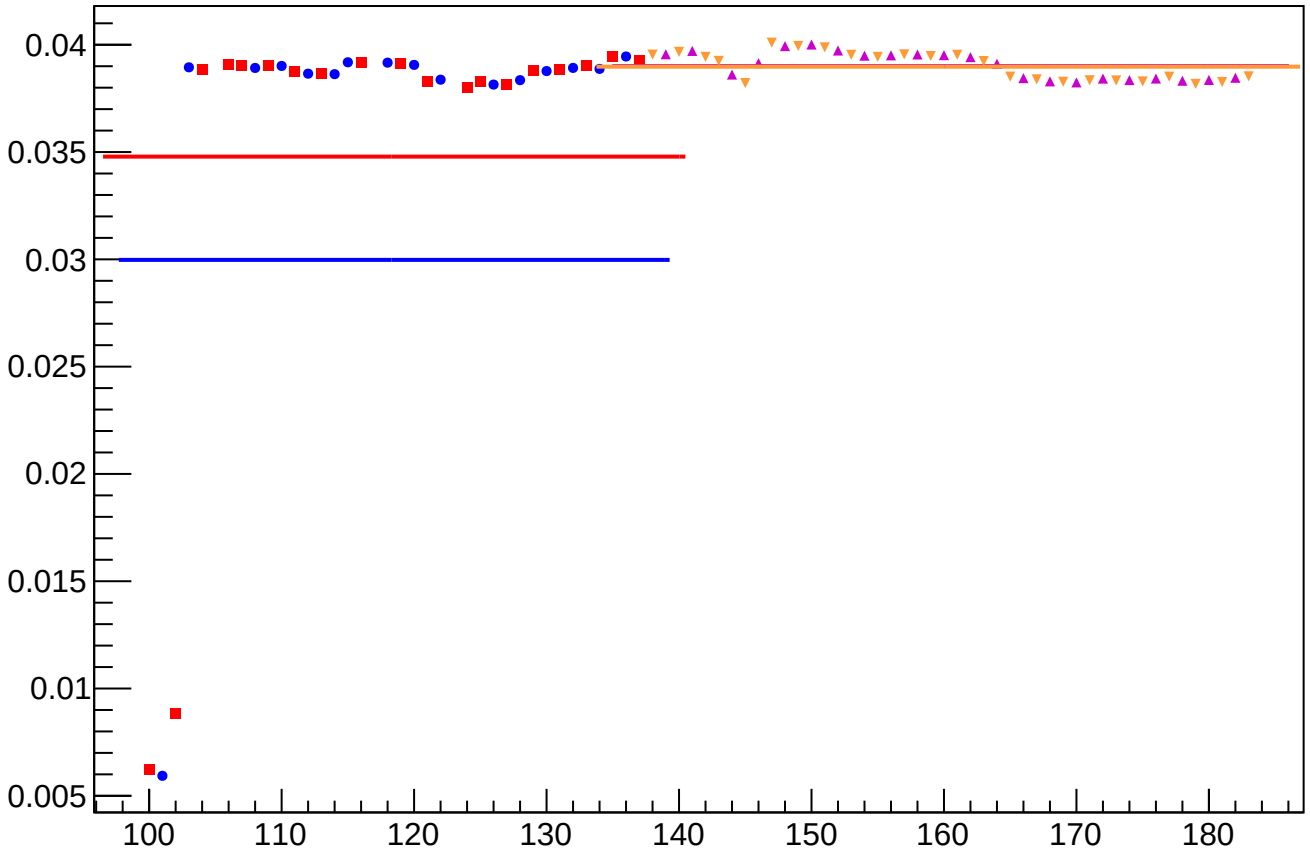
Left In: 0.021+/-0.000 χ^2/NDF:6068152867.4/21

+ sign 0.014+/-0.000 χ^2/NDF: 80717326300.0/39

All: 0.016+/-0.000 χ^2/NDF: 138726561696.3

- sign 0.020+/-0.000 χ^2/NDF: 48274802938.5/40


yield_atl2_rms vs Slug
×10^−3
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:14320347.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:3336486.3/21
+ sign 0.000+/-0.000 χ²/NDF: 19731457.3/39
All: 0.000+/-0.000 χ²/NDF: 32568456.8/80
- sign 0.000+/-0.000 χ²/NDF: 9368029.3/40



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:475732069.6/23

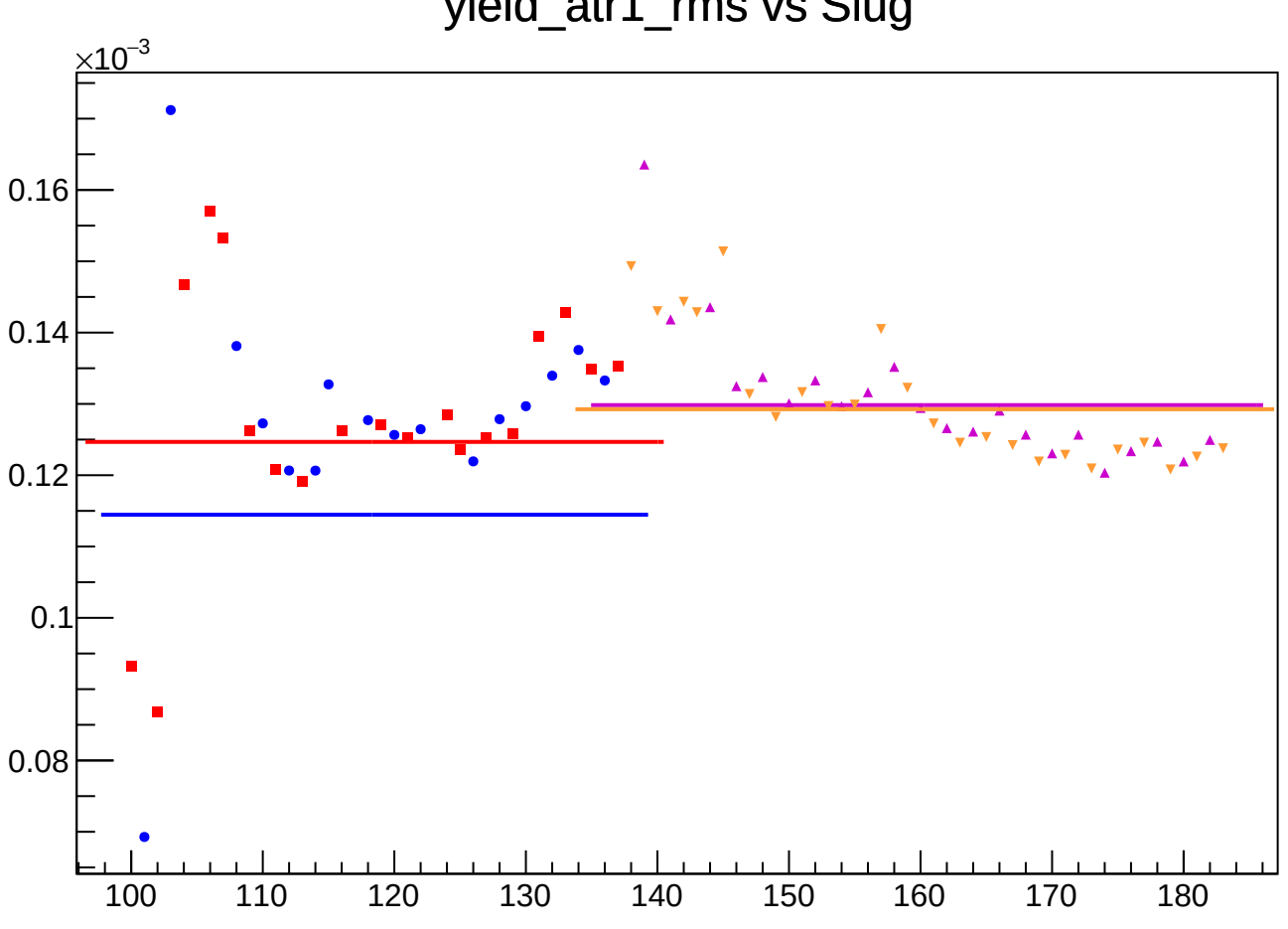
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:402497297.6/21

+ sign 0.036+/-0.000 χ^2/NDF: 137008539377.6/39

All: 0.037+/-0.000 χ^2/NDF: 192178039201.6

- sign 0.038+/-0.000 χ^2/NDF: 53227291036.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:155863.0/23

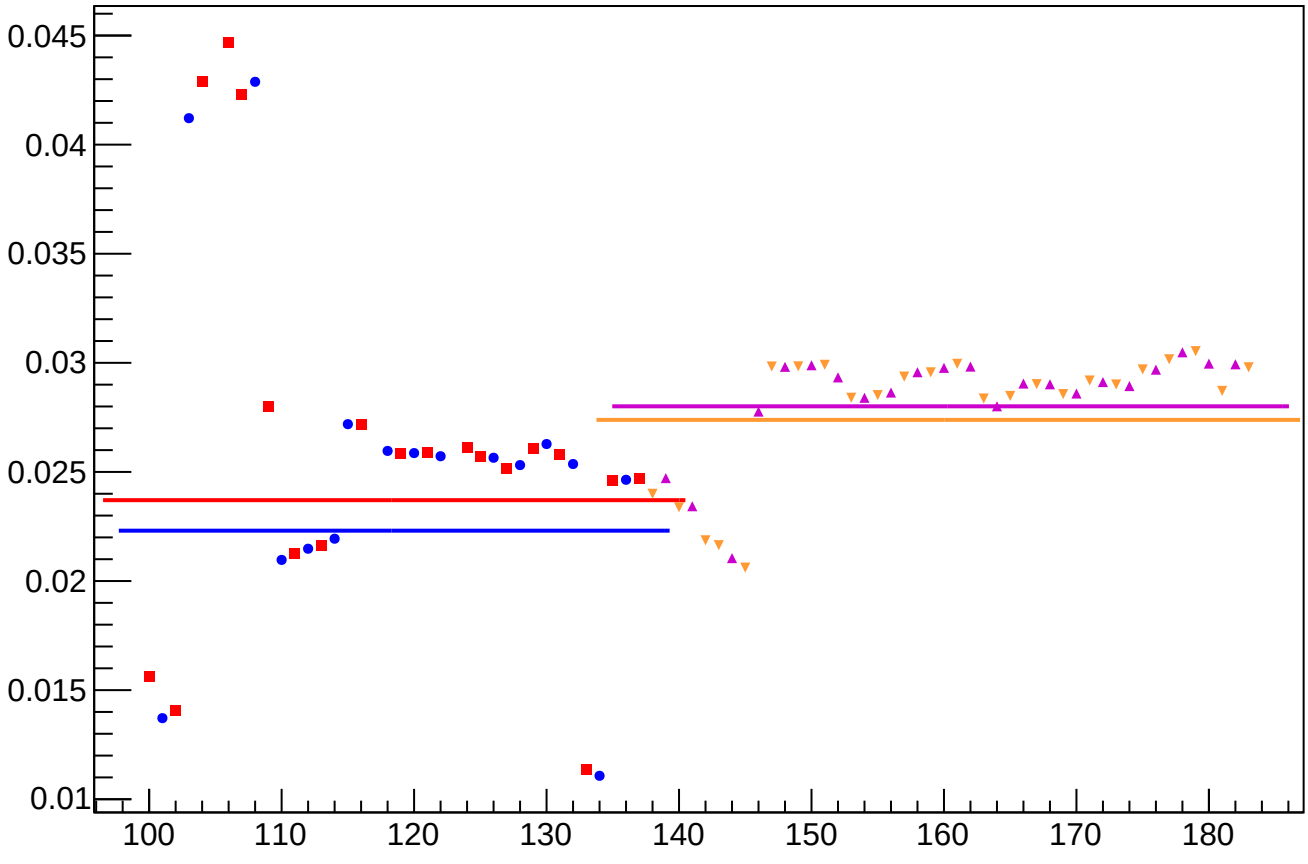
Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:141453.3/21

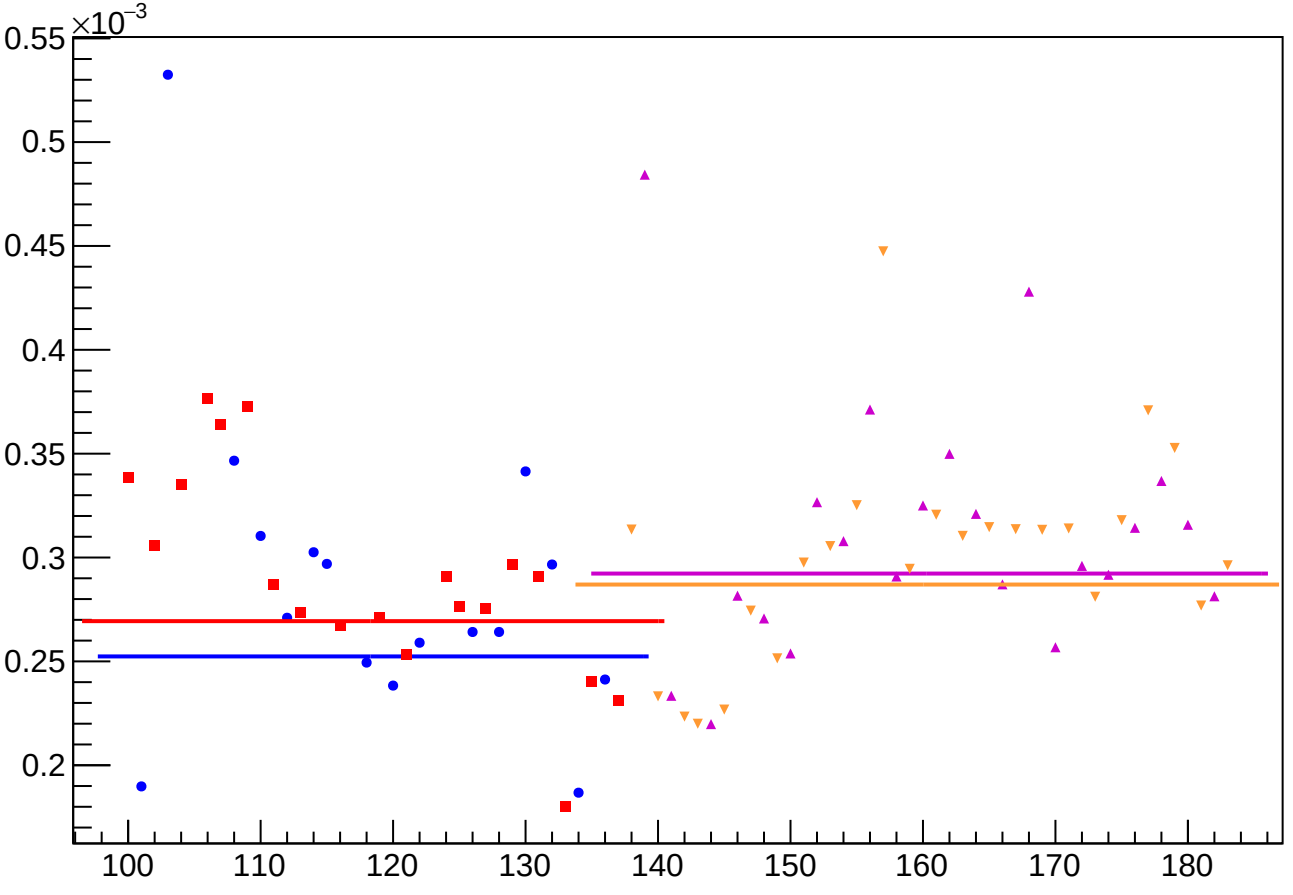
+ sign 0.000+/-0.000 χ^2/NDF: 1161594.1/39

All: 0.000+/-0.000 χ^2/NDF: 1600863.3/80

- sign 0.000+/-0.000 χ^2/NDF: 418462.6/40


yield_atr2_mean vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.022+/-0.000 χ²/NDF: 5012486114.6/15
Left Out: 0.027+/-0.000 χ²/NDF:2224766272.9/23
Right Out: 0.024+/-0.000 χ²/NDF: 5581865088.7/18
Left In: 0.028+/-0.000 χ²/NDF:1483035646.4/21
+ sign 0.026+/-0.000 χ²/NDF: 8949143160.4/39
All: 0.026+/-0.000 χ²/NDF: 17251886092.4/8
- sign 0.027+/-0.000 χ²/NDF: 8187674608.2/40

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:815954.7/23

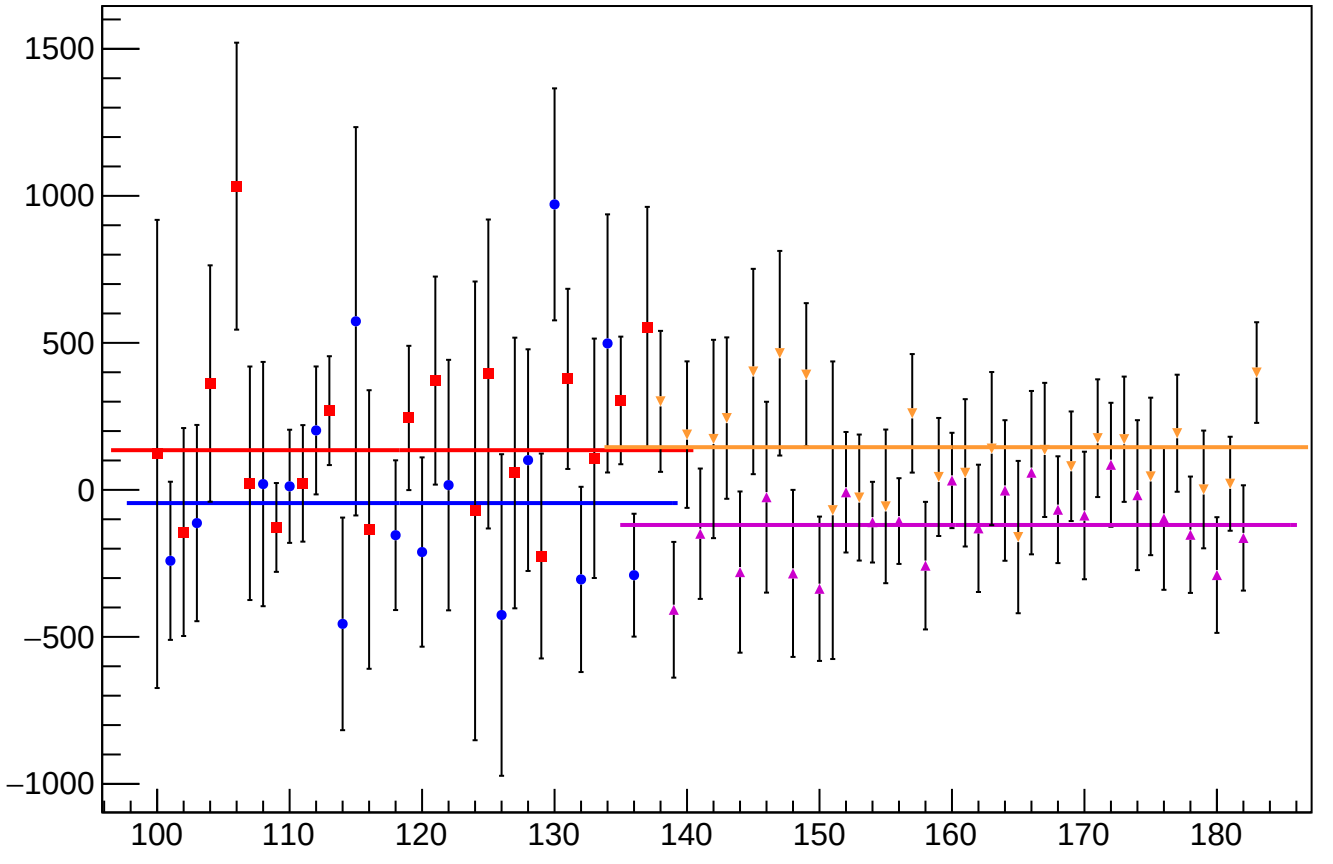
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:970274.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 1682800.5/39

All: 0.000+/-0.000 χ^2/NDF: 3187503.7/80

- sign 0.000+/-0.000 χ^2/NDF: 1480296.4/40



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 145.183+/-46.798 χ^2/NDF:10.2/23

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

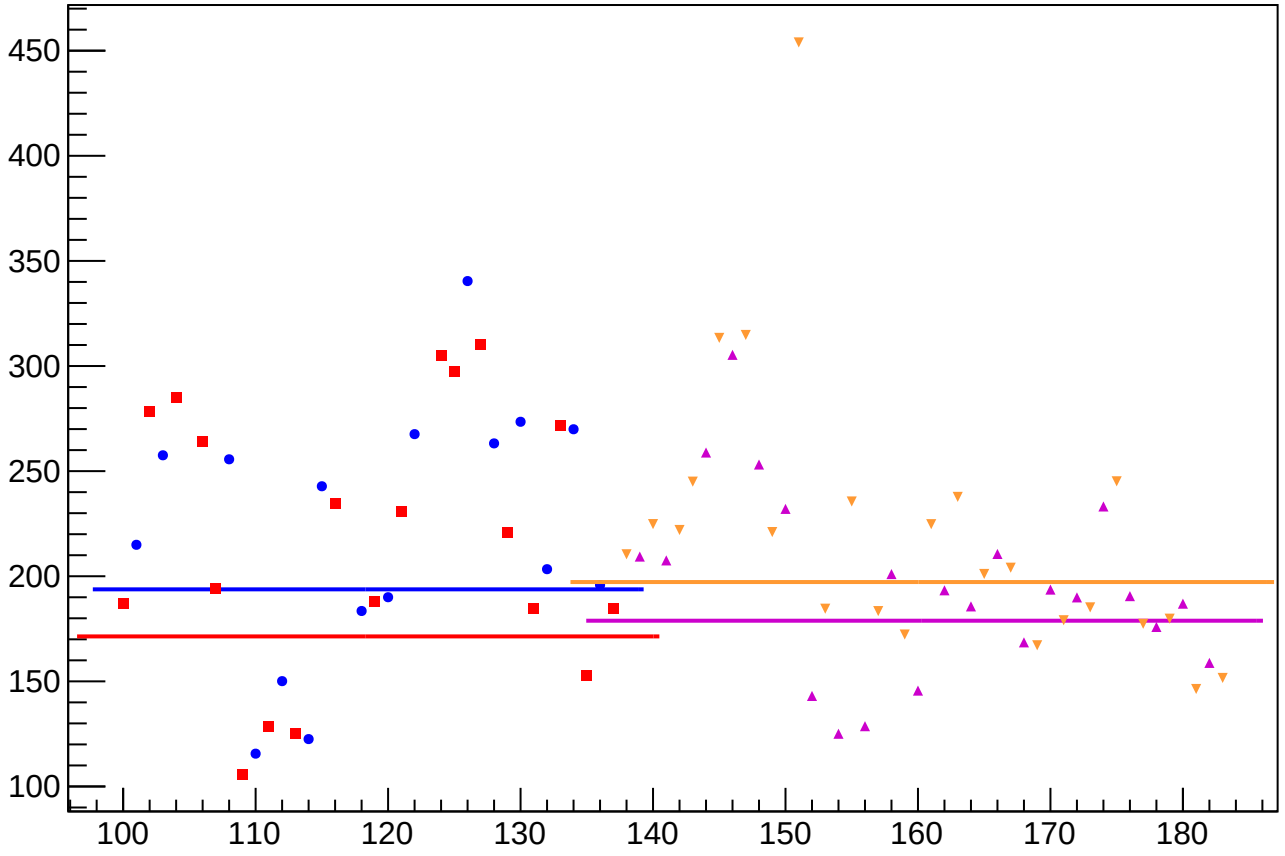
Left In: -119.365+/-44.069 χ^2/NDF:7.4/21

\+ sign 93.118+/-39.877 χ^2/NDF: 30.2/39

All: 19.297+/-27.120 χ^2/NDF: 66.7/80

\- sign -44.228+/-36.992 χ^2/NDF: 30.2/40

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 197.244+/-0.033 χ^2/NDF:1768654.1/23

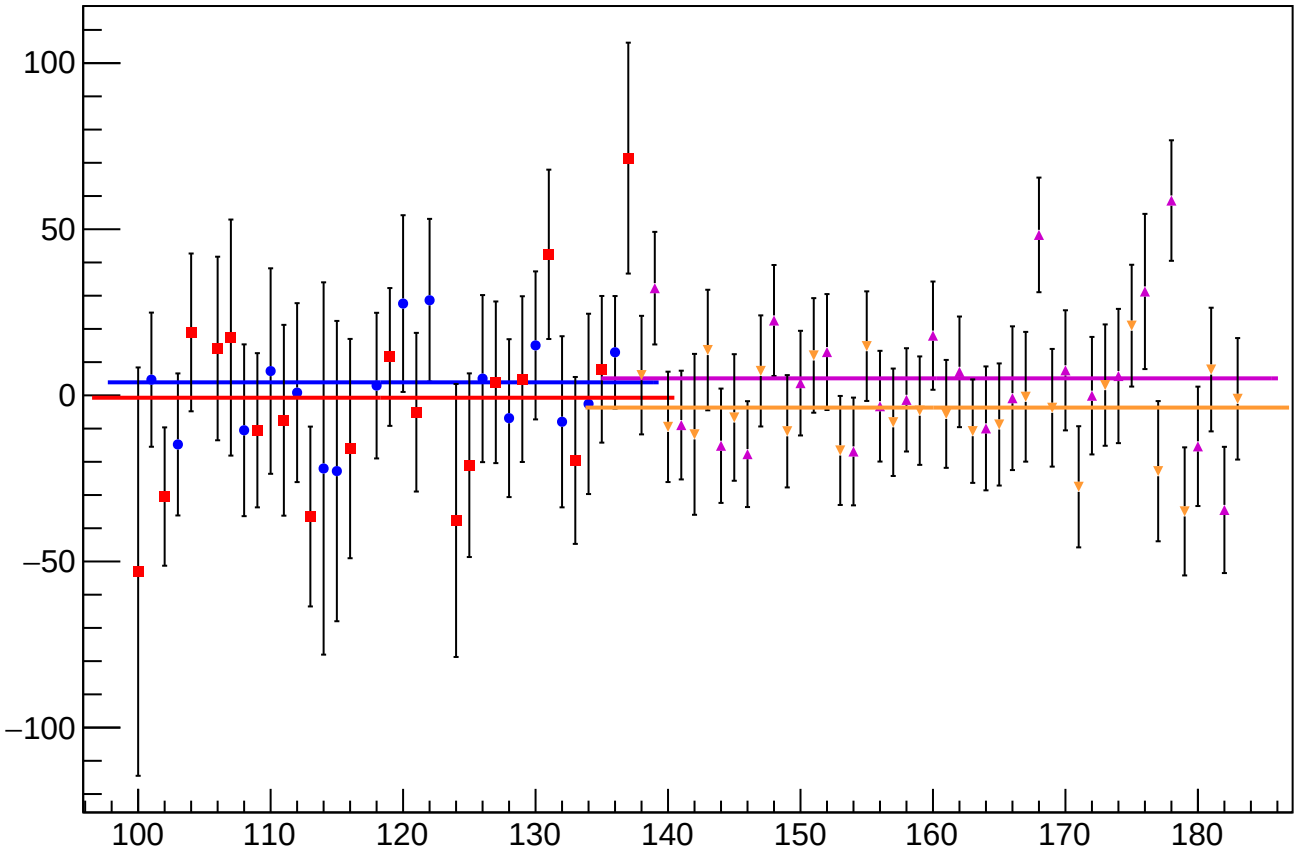
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 178.848+/-0.031 χ^2/NDF:1665544.3/21

+ sign 196.292+/-0.028 χ^2/NDF: 2819772.5/39

All: 185.731+/-0.019 χ^2/NDF: 6421364.5/80

- sign 176.642+/-0.026 χ^2/NDF: 3340580.4/40



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.678+/-3.624 χ^2/NDF:12.7/23

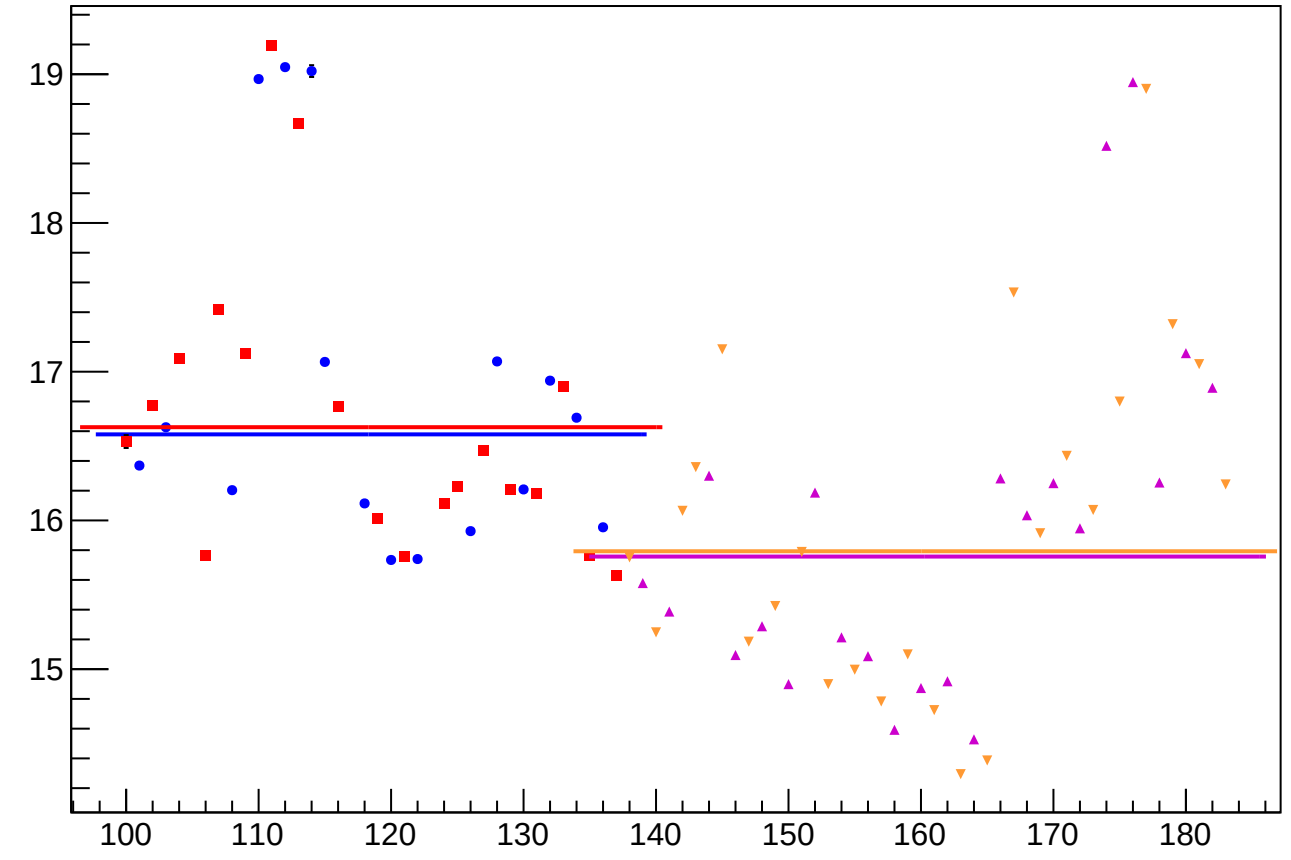
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 5.121+/-3.722 χ^2/NDF:33.7/21

+ sign -1.730+/-3.125 χ^2/NDF: 18.3/39

All: 0.858+/-2.227 χ^2/NDF: 69.9/80

- sign 3.529+/-3.174 χ^2/NDF: 50.2/40



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.793+/-0.003 χ^2/NDF:170239.2/23

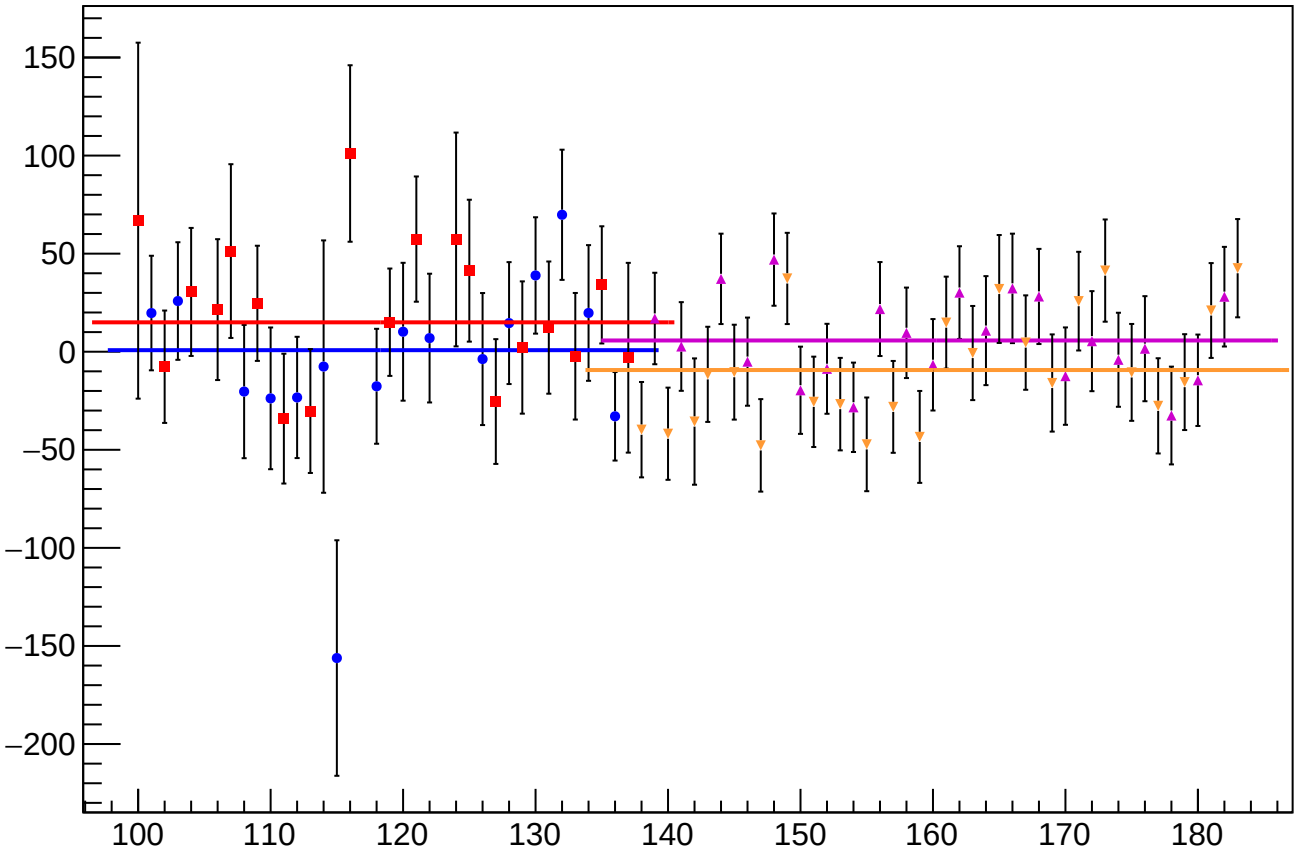
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.757+/-0.003 χ^2/NDF:150076.4/21

\+ sign 15.994+/-0.002 χ^2/NDF: 238932.6/39

All: 15.994+/-0.002 χ^2/NDF: 462270.0/80

\- sign 15.994+/-0.002 χ^2/NDF: 223337.5/40



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -9.335+/-4.987 χ^2/NDF:33.2/23

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

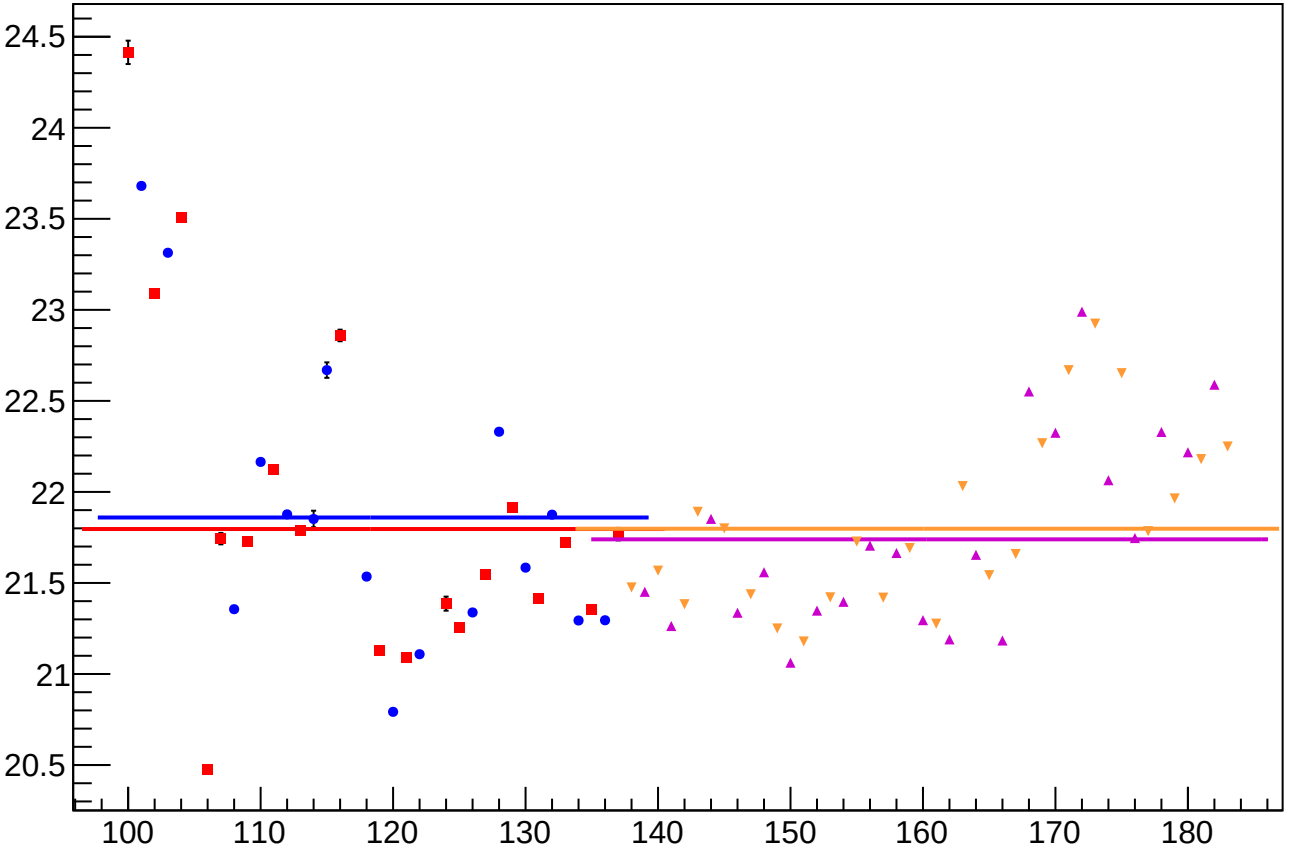
Left In: 5.737+/-5.120 χ^2/NDF:17.6/21

+ sign -6.564+/-4.250 χ^2/NDF: 53.0/39

All: 0.844+/-3.025 χ^2/NDF: 93.1/80

- sign 8.445+/-4.305 χ^2/NDF: 33.9/40

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.798+/-0.004 χ^2/NDF:16924.9/23

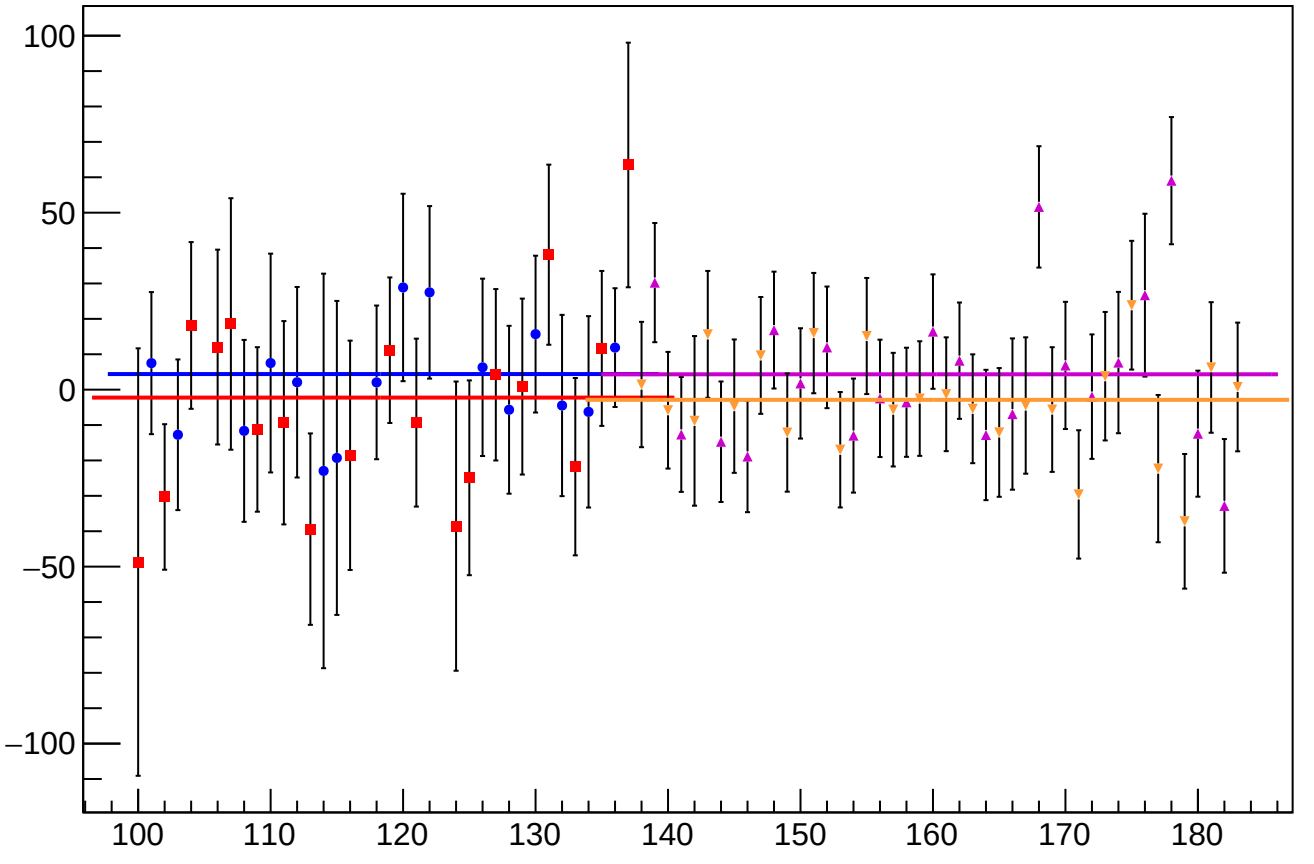
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.740+/-0.004 χ^2/NDF:20266.2/21

\+ sign 21.815+/-0.003 χ^2/NDF: 36476.9/39

All: 21.786+/-0.002 χ^2/NDF: 75863.6/80

\- sign 21.756+/-0.003 χ^2/NDF: 39199.4/40



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.874+/-3.590 χ^2/NDF:14.5/23

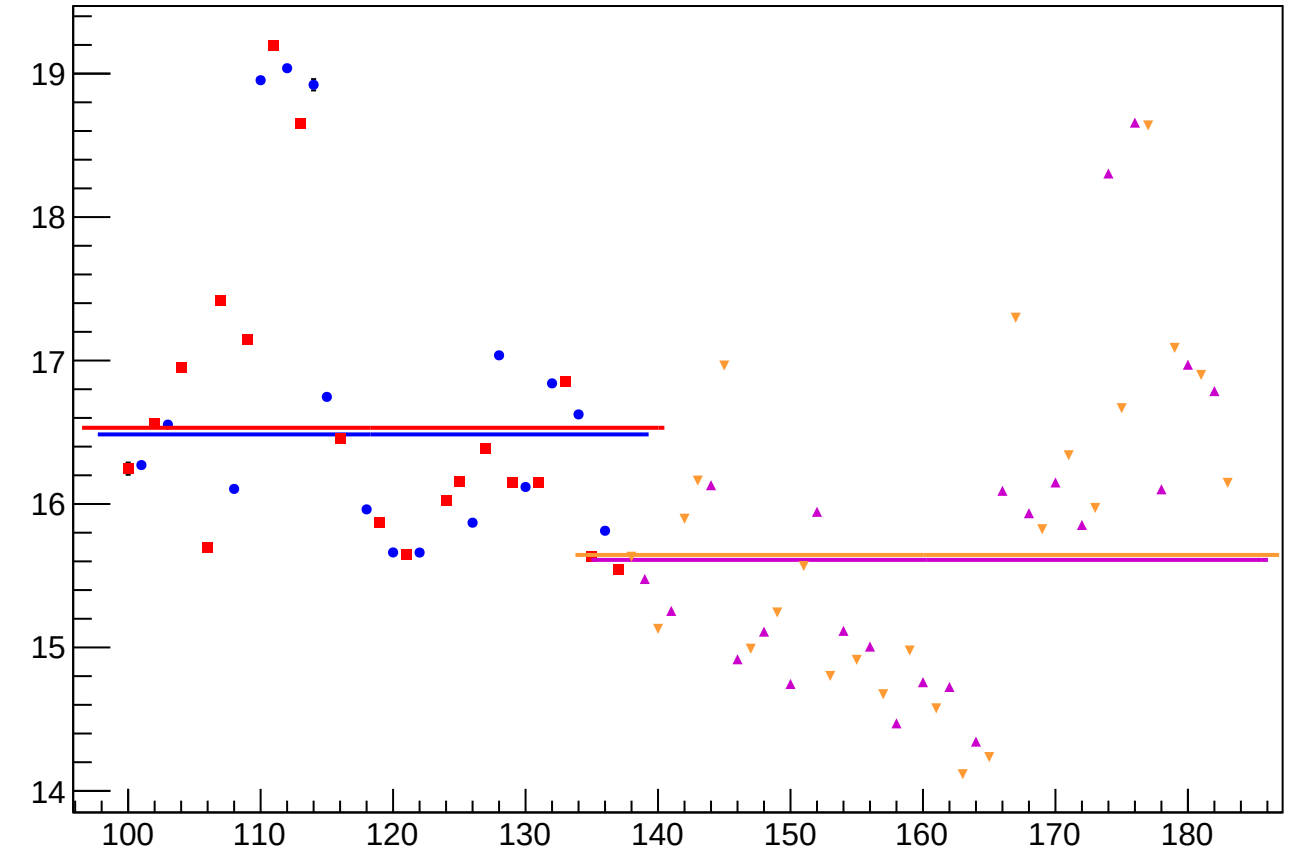
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 4.339+/-3.687 χ^2/NDF:33.8/21

+ sign -1.019+/-3.098 χ^2/NDF: 19.9/39

All: 0.739+/-2.208 χ^2/NDF: 70.6/80

- sign 2.553+/-3.148 χ^2/NDF: 50.0/40



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.645+/-0.003 χ^2/NDF:167236.0/23

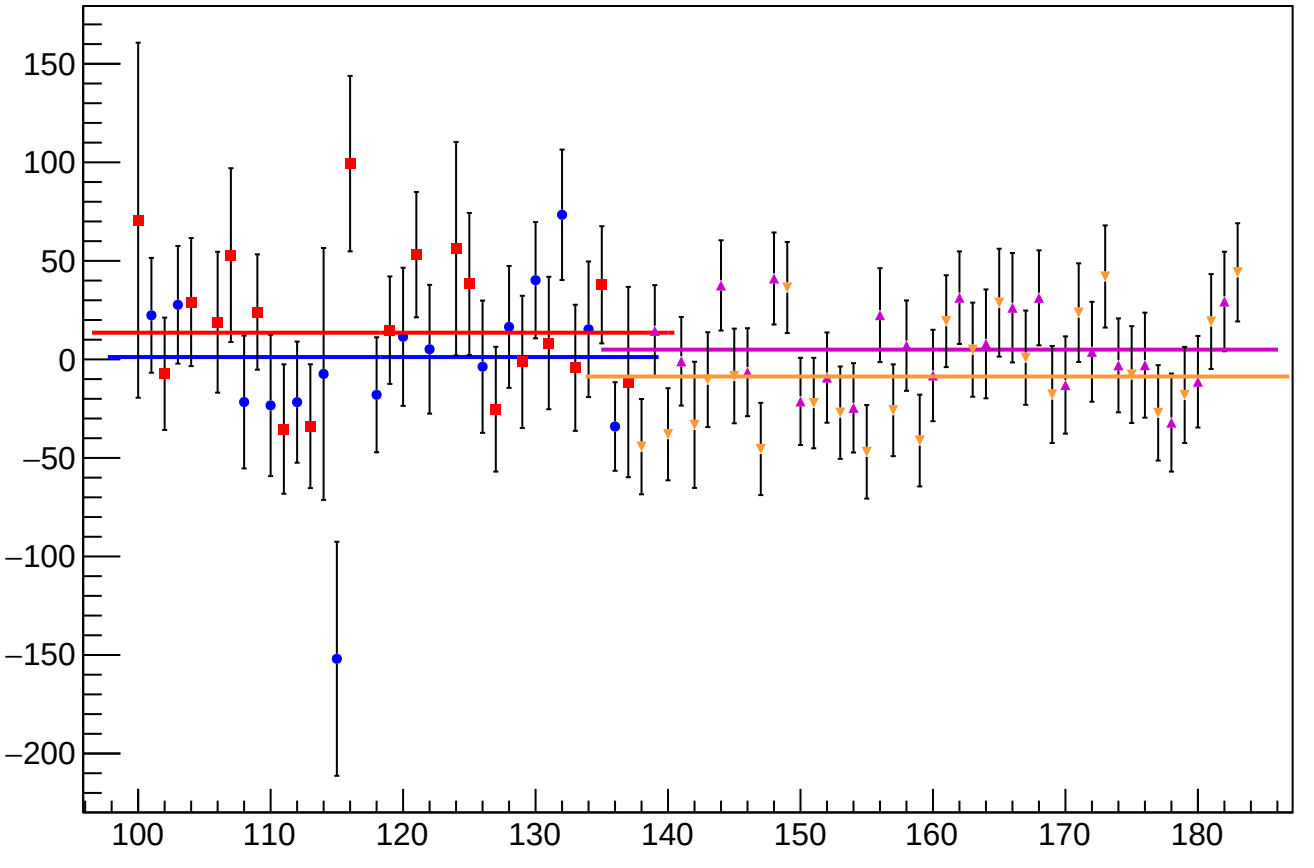
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.610+/-0.003 χ^2/NDF:148271.3/21

\+ sign 15.859+/-0.002 χ^2/NDF: 242348.9/39

All: 15.860+/-0.002 χ^2/NDF: 470939.1/80

\- sign 15.860+/-0.002 χ^2/NDF: 228590.1/40



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -8.672+/-4.960 χ^2/NDF:32.7/23

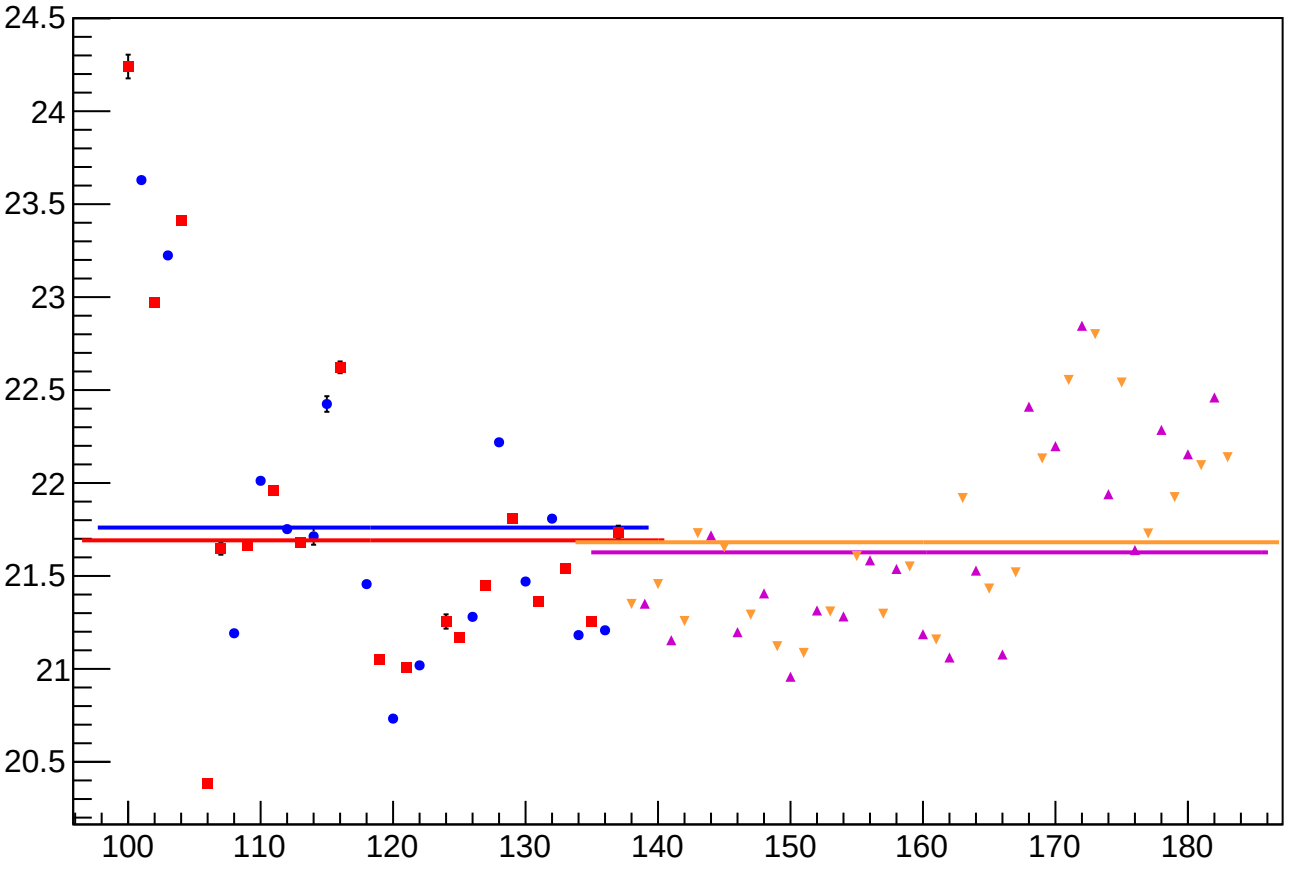
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 4.954+/-5.093 χ^2/NDF:16.7/21

\+ sign -5.978+/-4.228 χ^2/NDF: 53.1/39

All: 0.660+/-3.009 χ^2/NDF: 91.6/80

\- sign 7.471+/-4.283 χ^2/NDF: 33.5/40



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.681+/-0.004 χ^2/NDF:17340.9/23

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

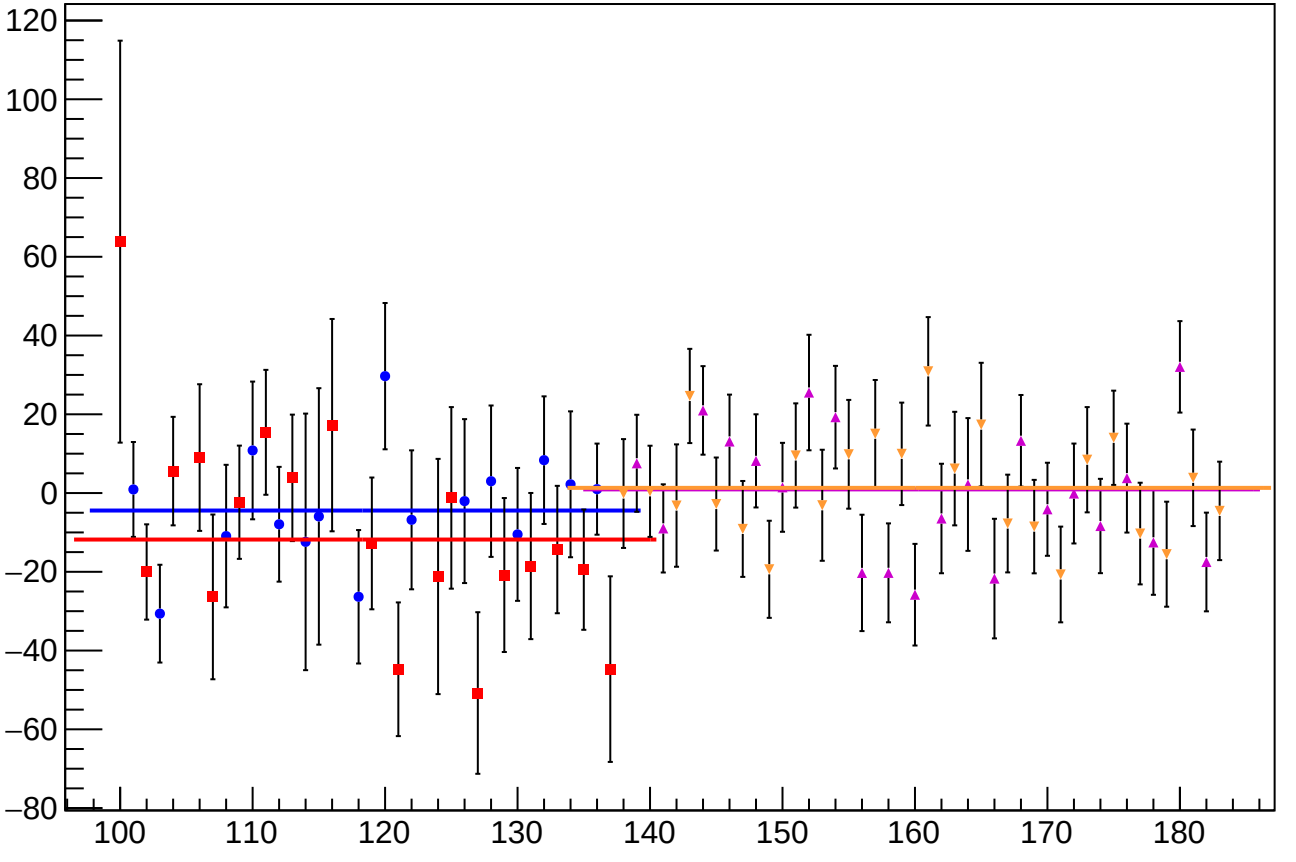
Left In: 21.627+/-0.004 χ^2/NDF:20273.5/21

+ sign 21.703+/-0.003 χ^2/NDF: 37225.1/39

All: 21.675+/-0.002 χ^2/NDF: 76103.4/80

- sign 21.646+/-0.003 χ^2/NDF: 38698.6/40

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.316+/-2.641 χ^2/NDF:24.2/23

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

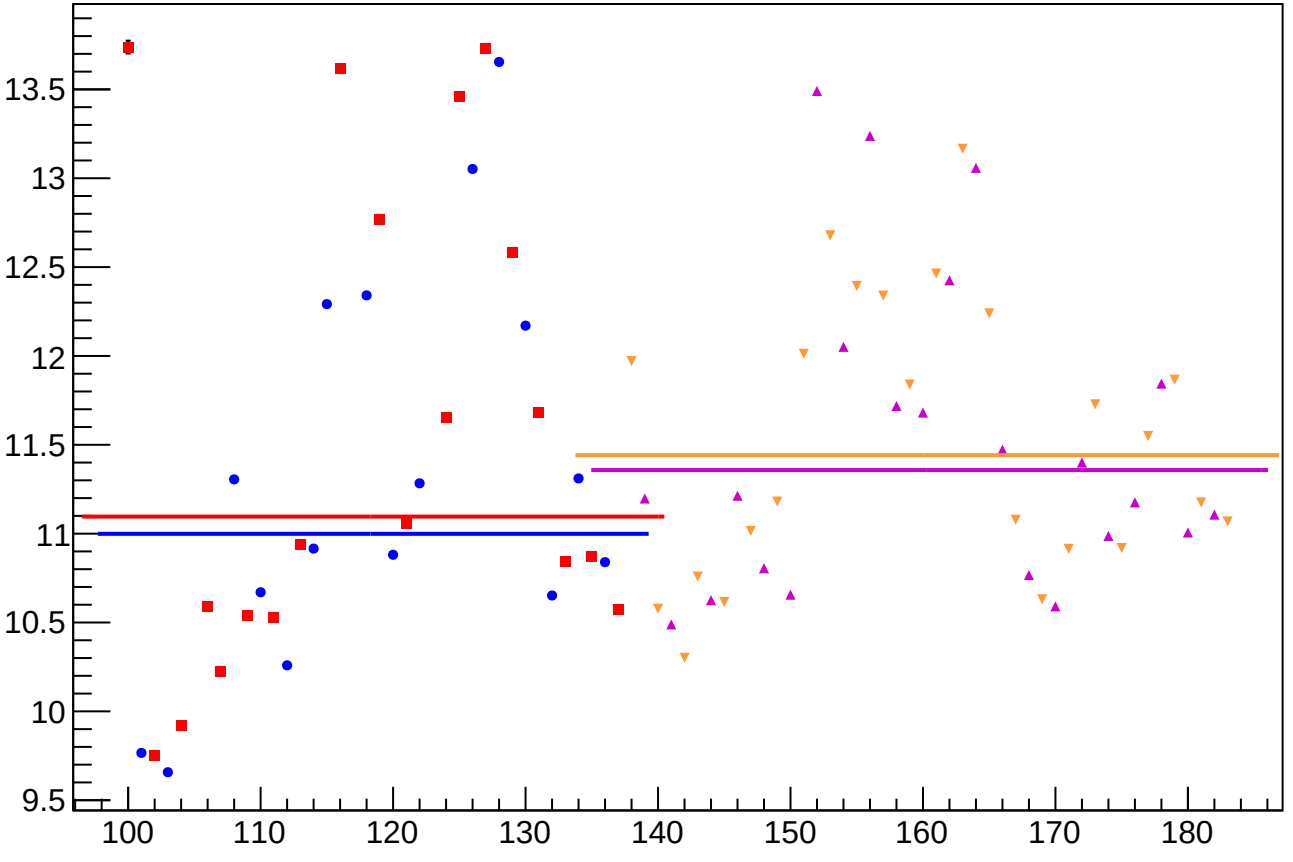
Left In: 0.927+/-2.698 χ^2/NDF:34.5/21

+ sign -0.355+/-2.225 χ^2/NDF: 37.6/39

All: -1.623+/-1.583 χ^2/NDF: 101.3/80

- sign -2.923+/-2.253 χ^2/NDF: 63.0/40

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.442+/-0.002 χ^2/NDF:152875.4/23

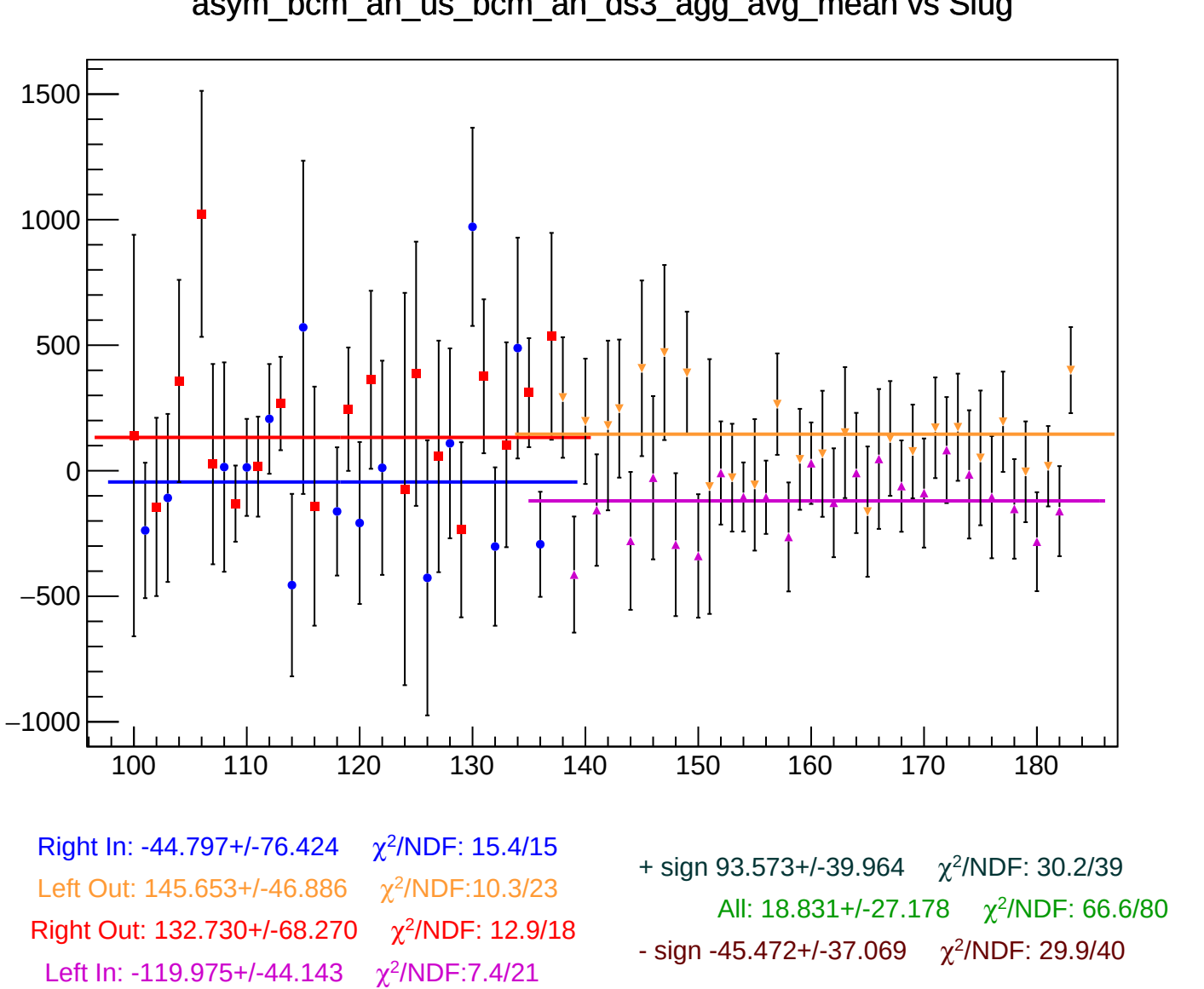
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.358+/-0.002 χ^2/NDF:169952.3/21

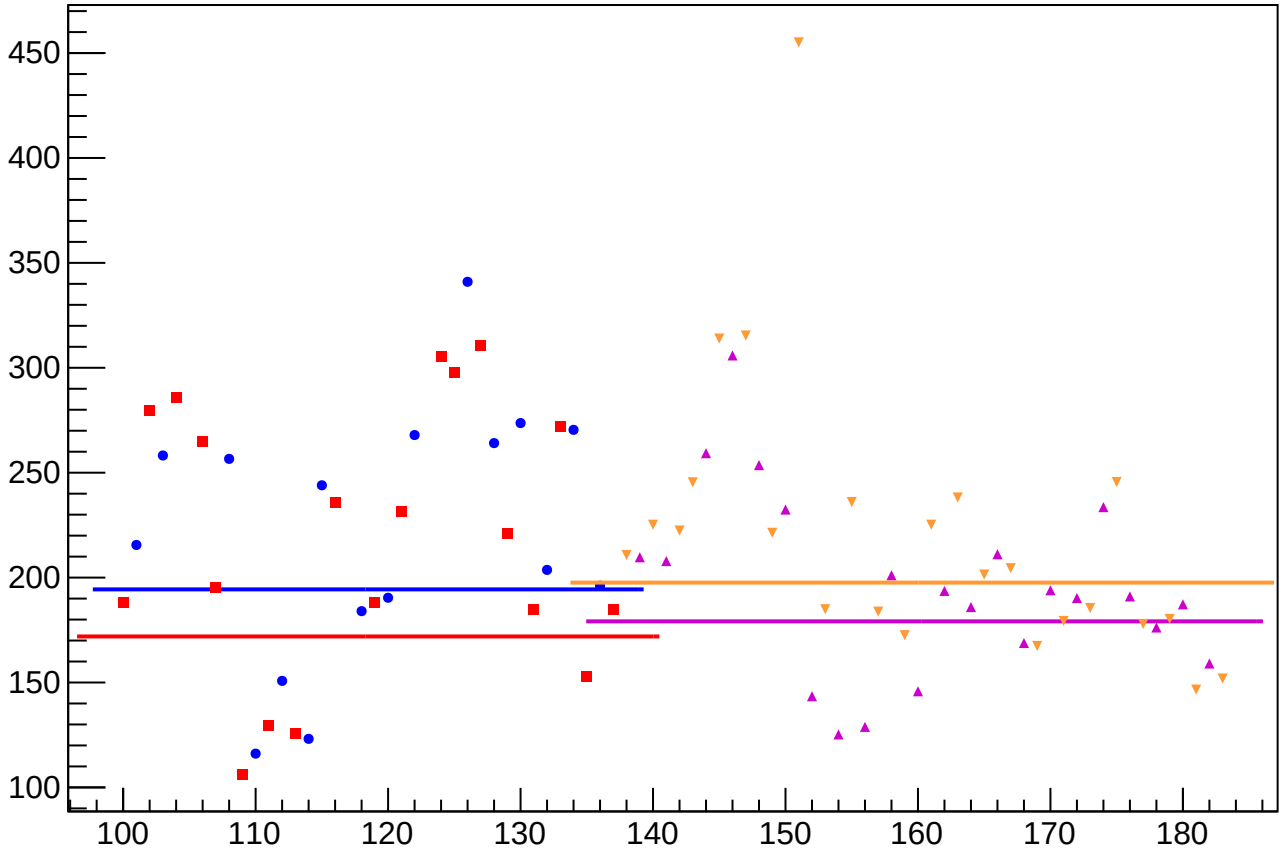
+ sign 11.313+/-0.002 χ^2/NDF: 305334.3/39

All: 11.296+/-0.001 χ^2/NDF: 644137.4/80

- sign 11.279+/-0.002 χ^2/NDF: 338565.9/40


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 145.653+/-46.886 χ²/NDF:10.3/23
Right Out: 132.730+/-68.270 χ²/NDF: 12.9/18
Left In: -119.975+/-44.143 χ²/NDF:7.4/21
+ sign 93.573+/-39.964 χ²/NDF: 30.2/39
All: 18.831+/-27.178 χ²/NDF: 66.6/80
- sign -45.472+/-37.069 χ²/NDF: 29.9/40

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 197.615+/-0.033 χ^2/NDF:1768893.6/23

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

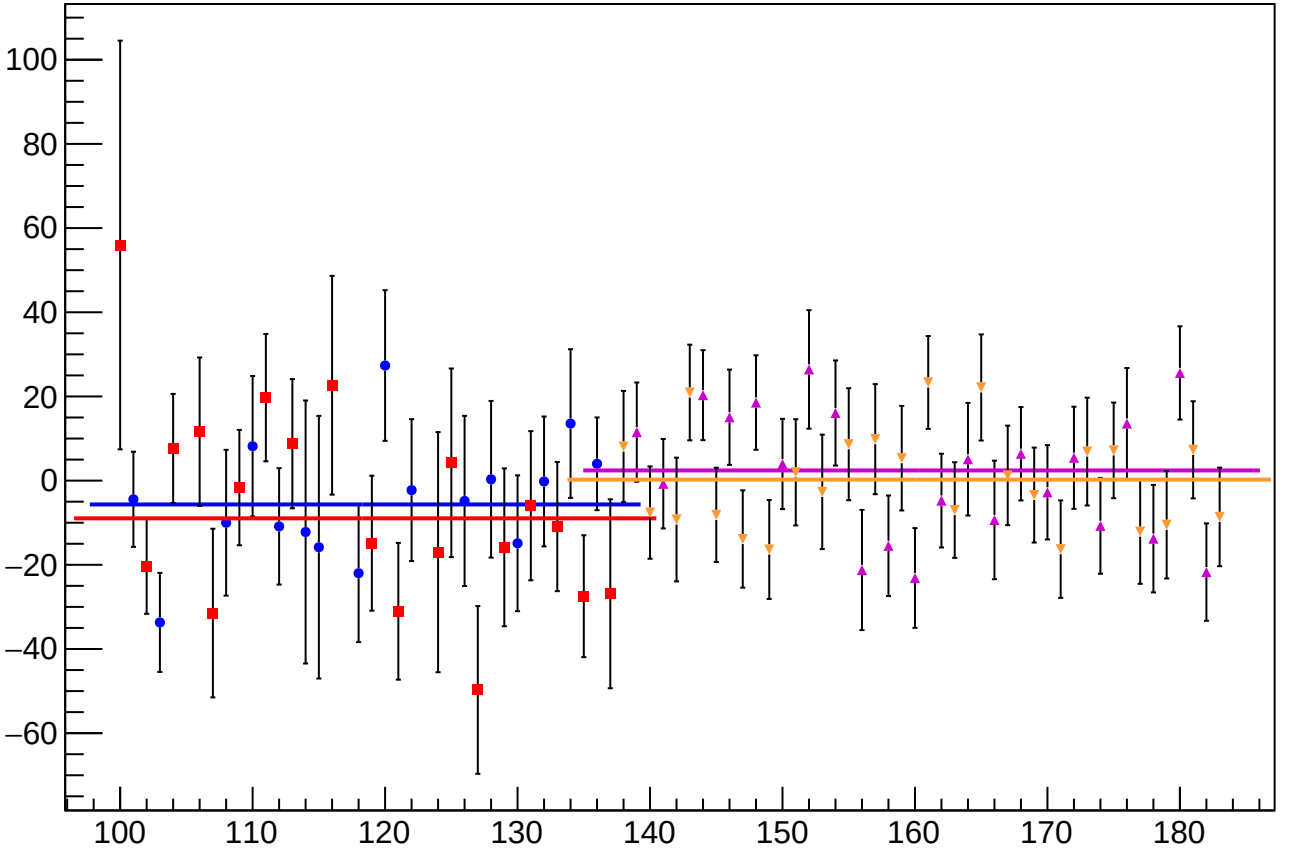
Left In: 179.144+/-0.031 χ^2/NDF:1666081.1/21

+ sign 196.731+/-0.028 χ^2/NDF: 2813512.3/39

All: 186.137+/-0.019 χ^2/NDF: 6408058.2/80

- sign 177.023+/-0.026 χ^2/NDF: 3333092.4/40

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.235+/-2.464 χ^2/NDF:23.1/23

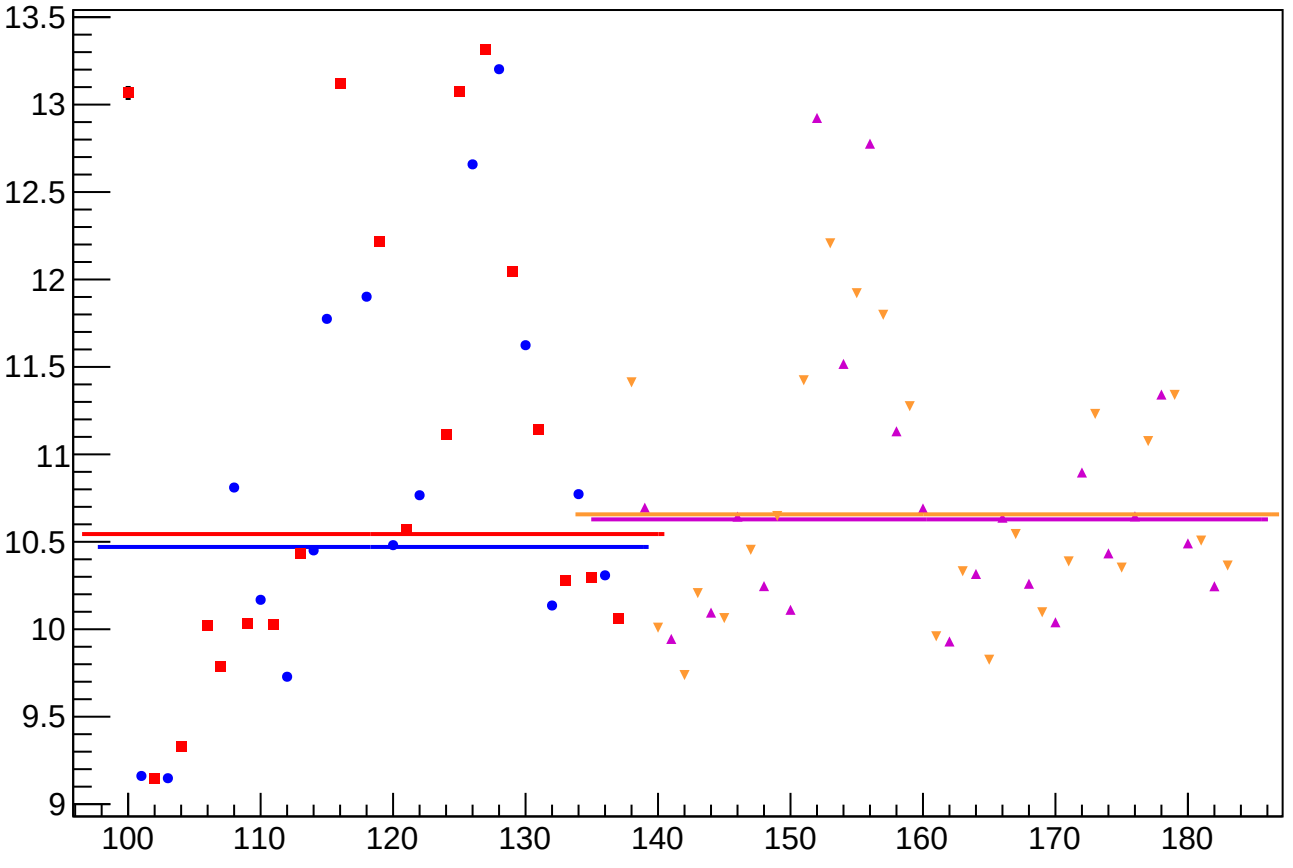
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 2.422+/-2.527 χ^2/NDF:34.5/21

+ sign -1.422+/-2.089 χ^2/NDF: 38.3/39

All: -1.186+/-1.488 χ^2/NDF: 101.7/80

- sign -0.943+/-2.121 χ^2/NDF: 63.3/40



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.657+/-0.002 χ^2/NDF:141857.7/23

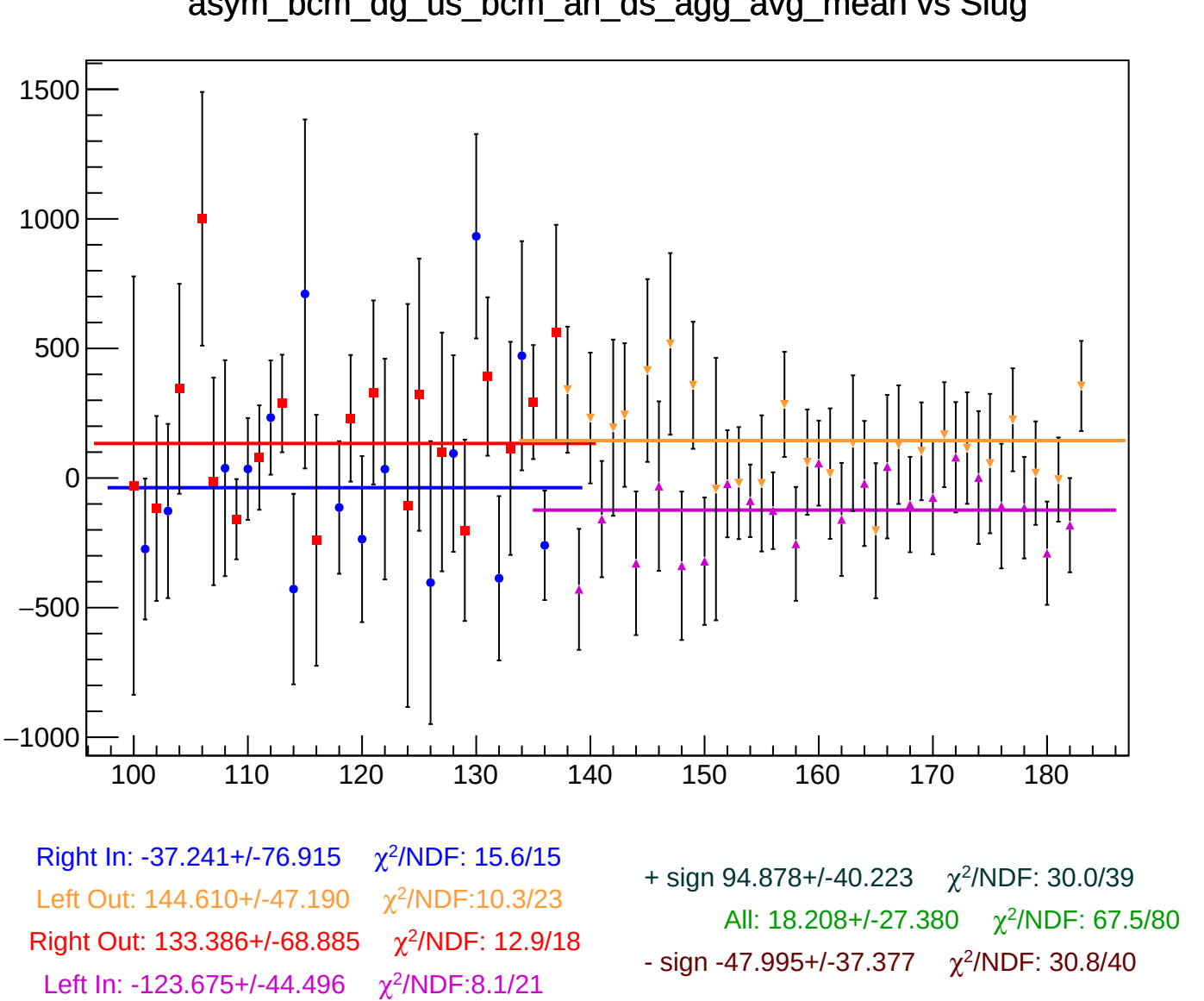
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.628+/-0.002 χ^2/NDF:159418.4/21

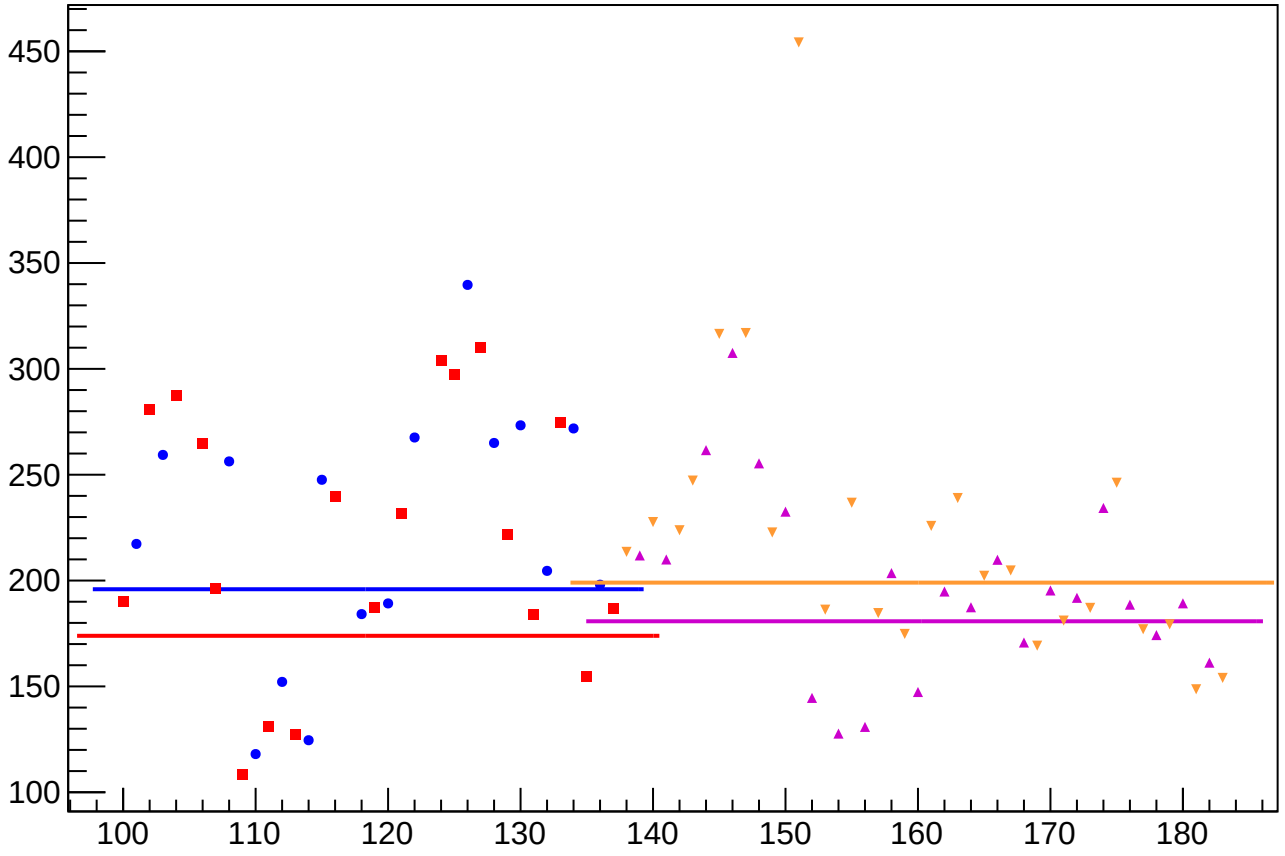
+ sign 10.605+/-0.001 χ^2/NDF: 302445.0/39

All: 10.604+/-0.001 χ^2/NDF: 649295.7/80

- sign 10.603+/-0.001 χ^2/NDF: 346850.4/40


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -37.241+/-76.915 χ²/NDF: 15.6/15
Left Out: 144.610+/-47.190 χ²/NDF:10.3/23
Right Out: 133.386+/-68.885 χ²/NDF: 12.9/18
Left In: -123.675+/-44.496 χ²/NDF:8.1/21
+ sign 94.878+/-40.223 χ²/NDF: 30.0/39
All: 18.208+/-27.380 χ²/NDF: 67.5/80
- sign -47.995+/-37.377 χ²/NDF: 30.8/40

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 199.028+/-0.033 χ^2/NDF:1741031.3/23

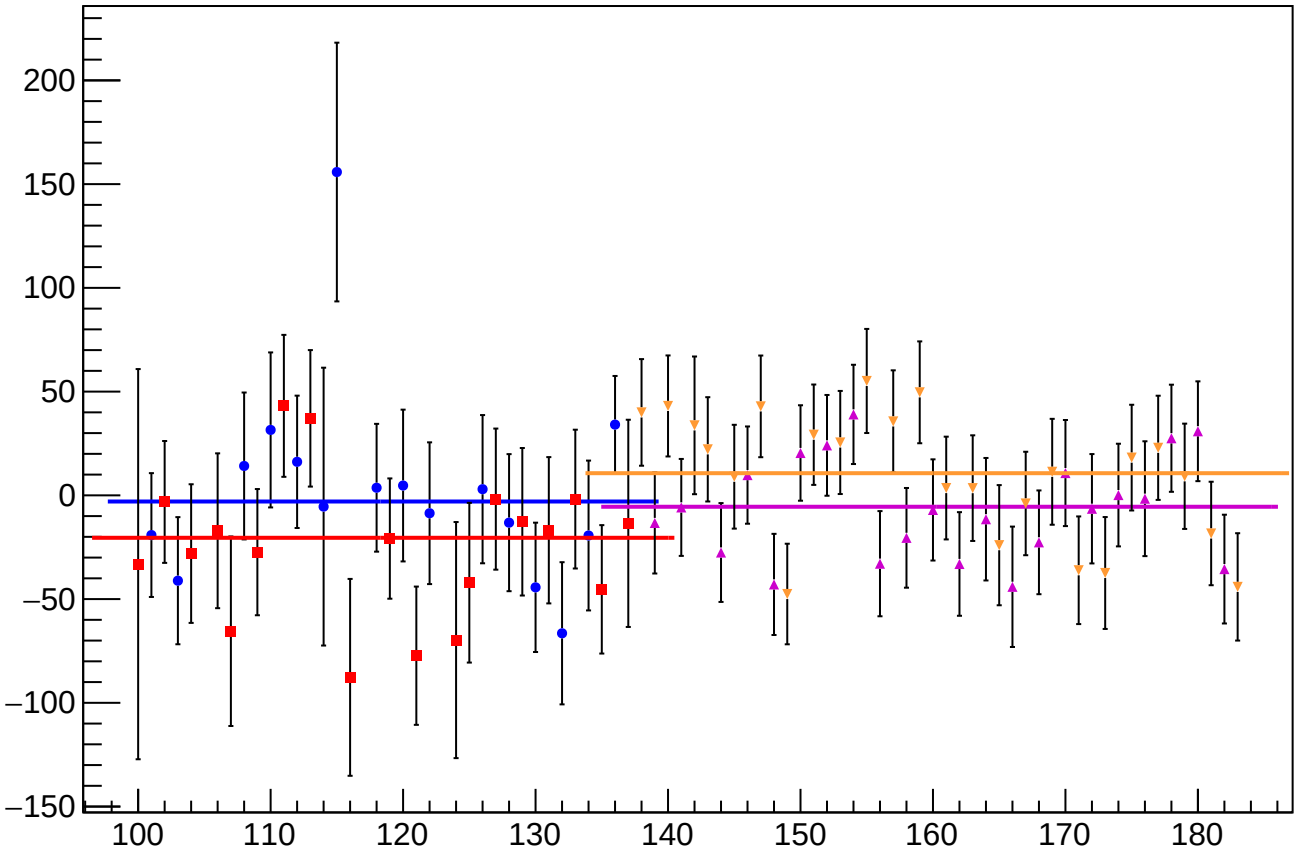
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 180.767+/-0.031 χ^2/NDF:1615622.6/21

+ sign 198.172+/-0.028 χ^2/NDF: 2754446.7/39

All: 187.747+/-0.019 χ^2/NDF: 6234039.2/80

- sign 178.746+/-0.026 χ^2/NDF: 3229249.8/40



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 10.677+/-5.196 χ^2/NDF:33.4/23

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

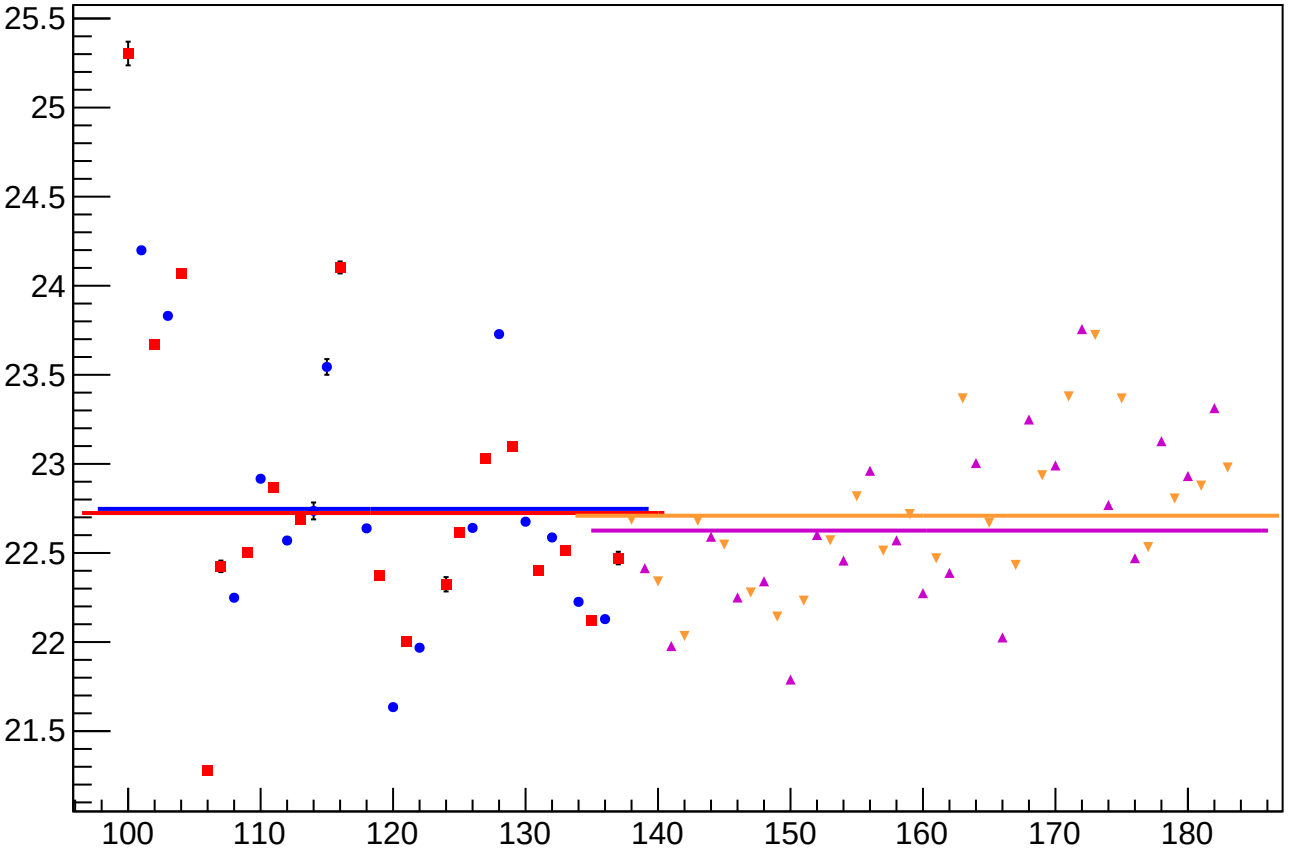
Left In: -5.499+/-5.329 χ^2/NDF:20.7/21

+ sign 6.936+/-4.427 χ^2/NDF: 53.3/39

All: -1.362+/-3.150 χ^2/NDF: 98.7/80

- sign -9.871+/-4.483 χ^2/NDF: 38.3/40

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.709+/-0.004 χ^2/NDF:11958.8/23

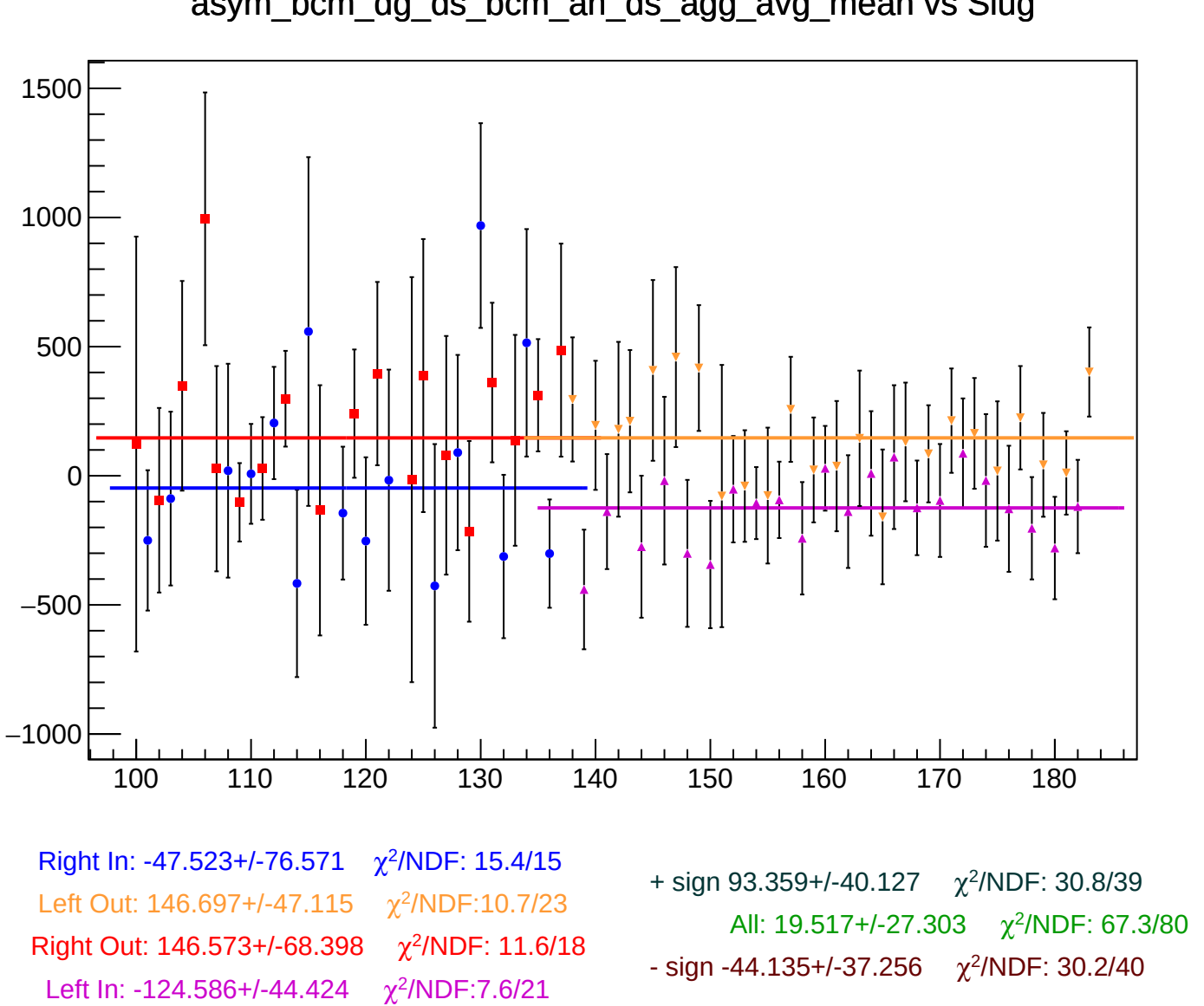
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.626+/-0.004 χ^2/NDF:15286.4/21

+ sign 22.720+/-0.003 χ^2/NDF: 26611.3/39

All: 22.688+/-0.002 χ^2/NDF: 56802.8/80

- sign 22.654+/-0.003 χ^2/NDF: 29977.1/40


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug
1500
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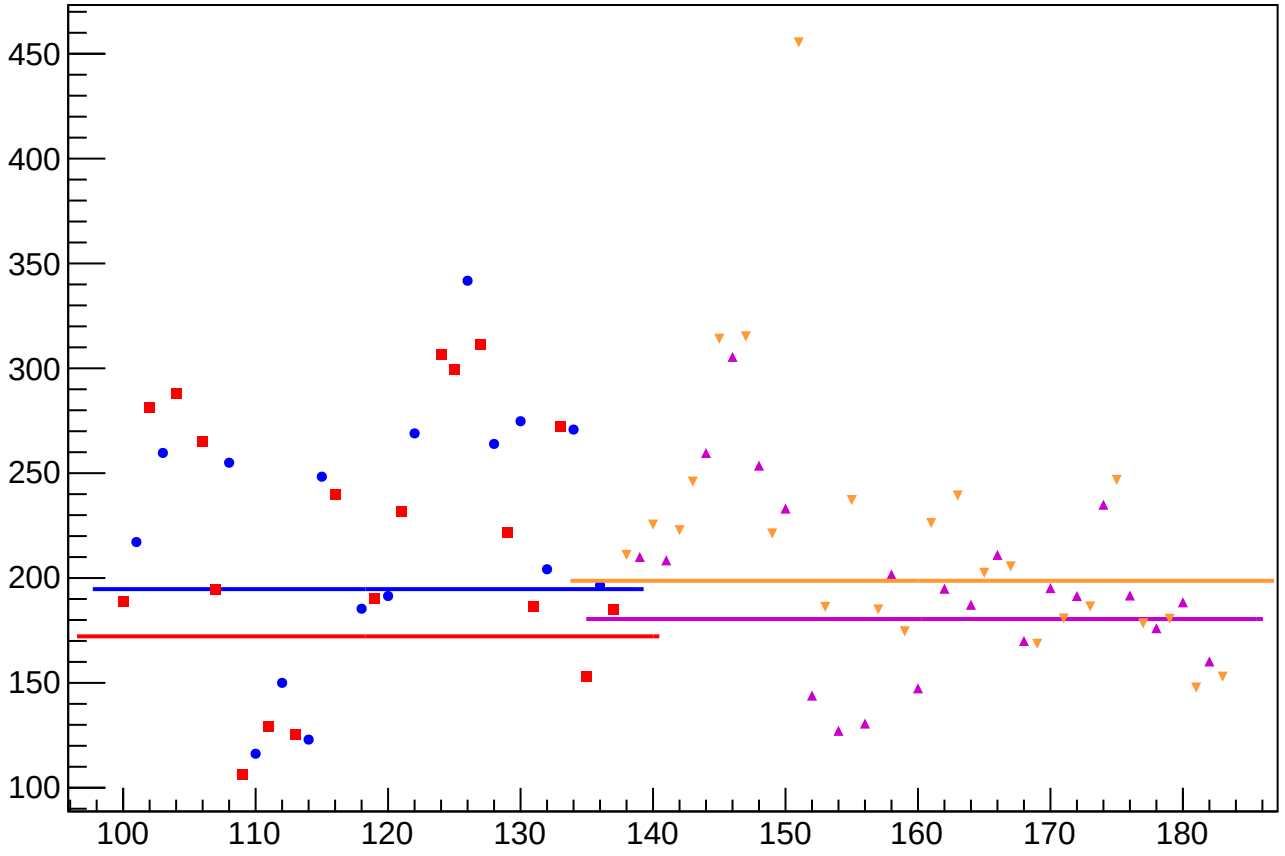
180
Right In: -47.523+/-76.571 χ²/NDF: 15.4/15
Left Out: 146.697+/-47.115 χ²/NDF:10.7/23
Right Out: 146.573+/-68.398 χ²/NDF: 11.6/18
Left In: -124.586+/-44.424 χ²/NDF:7.6/21
+ sign 93.359+/-40.127 χ²/NDF: 30.8/39
All: 19.517+/-27.303 χ²/NDF: 67.3/80
- sign -44.135+/-37.256 χ²/NDF: 30.2/40

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 198.690+/-0.033 χ^2/NDF:1740717.0/23

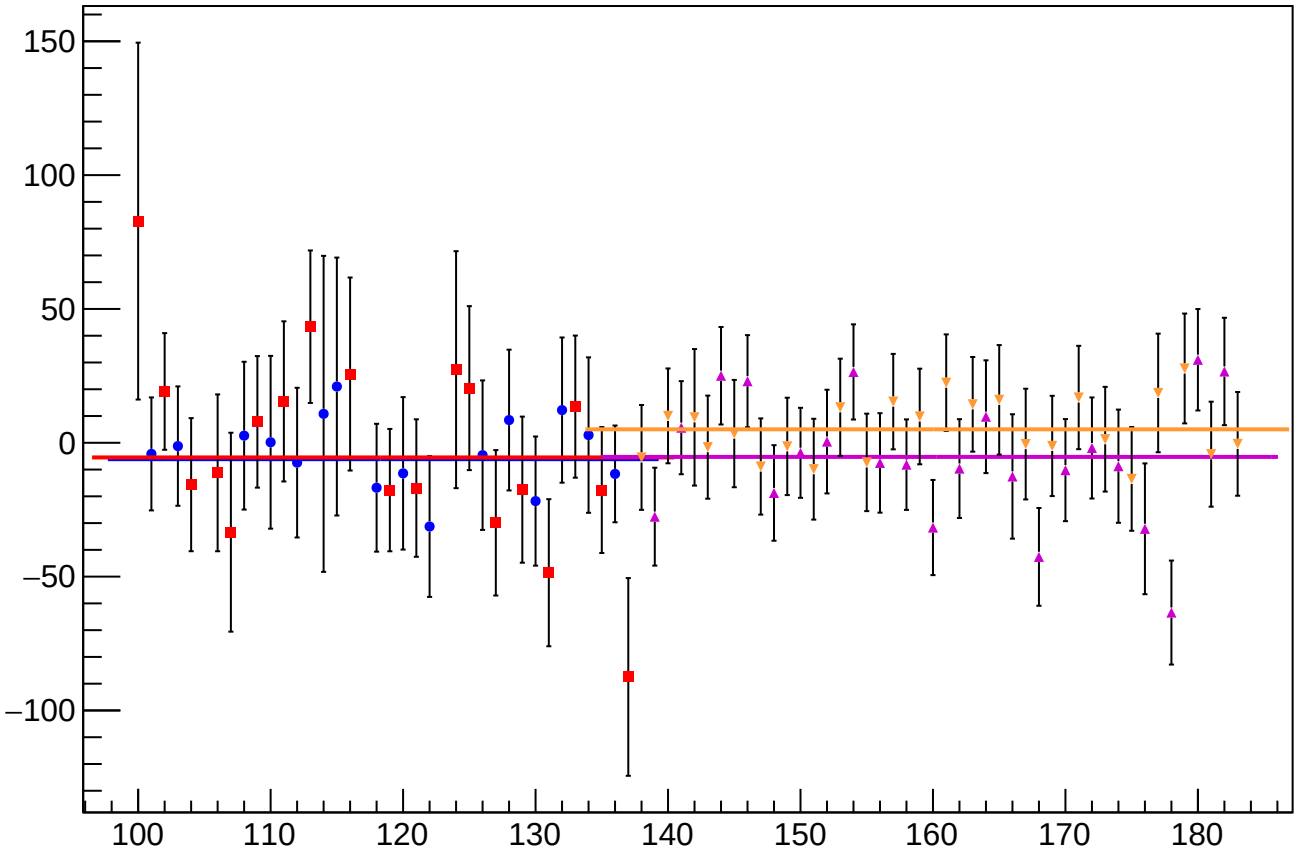
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 180.459+/-0.031 χ^2/NDF:1611293.0/21

+ sign 197.596+/-0.028 χ^2/NDF: 2796928.5/39

All: 187.074+/-0.019 χ^2/NDF: 6355915.5/80

- sign 178.004+/-0.026 χ^2/NDF: 3302937.6/40



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.026+/-3.915 χ^2/NDF:7.9/23

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

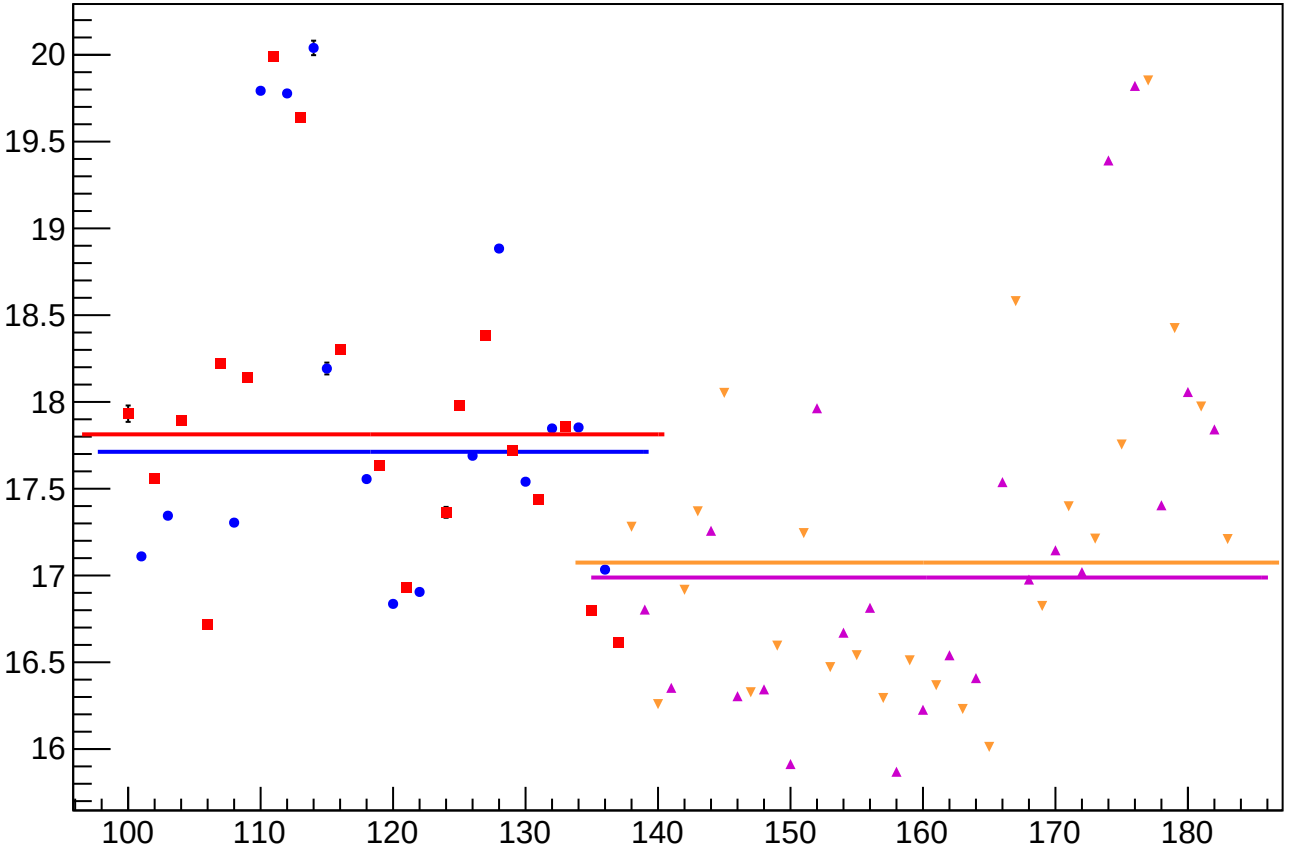
Left In: -5.276+/-4.011 χ^2/NDF:34.8/21

+ sign 2.121+/-3.366 χ^2/NDF: 13.1/39

All: -1.551+/-2.397 χ^2/NDF: 69.5/80

- sign -5.329+/-3.414 χ^2/NDF: 54.0/40

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.074+/-0.003 χ^2/NDF:96023.0/23

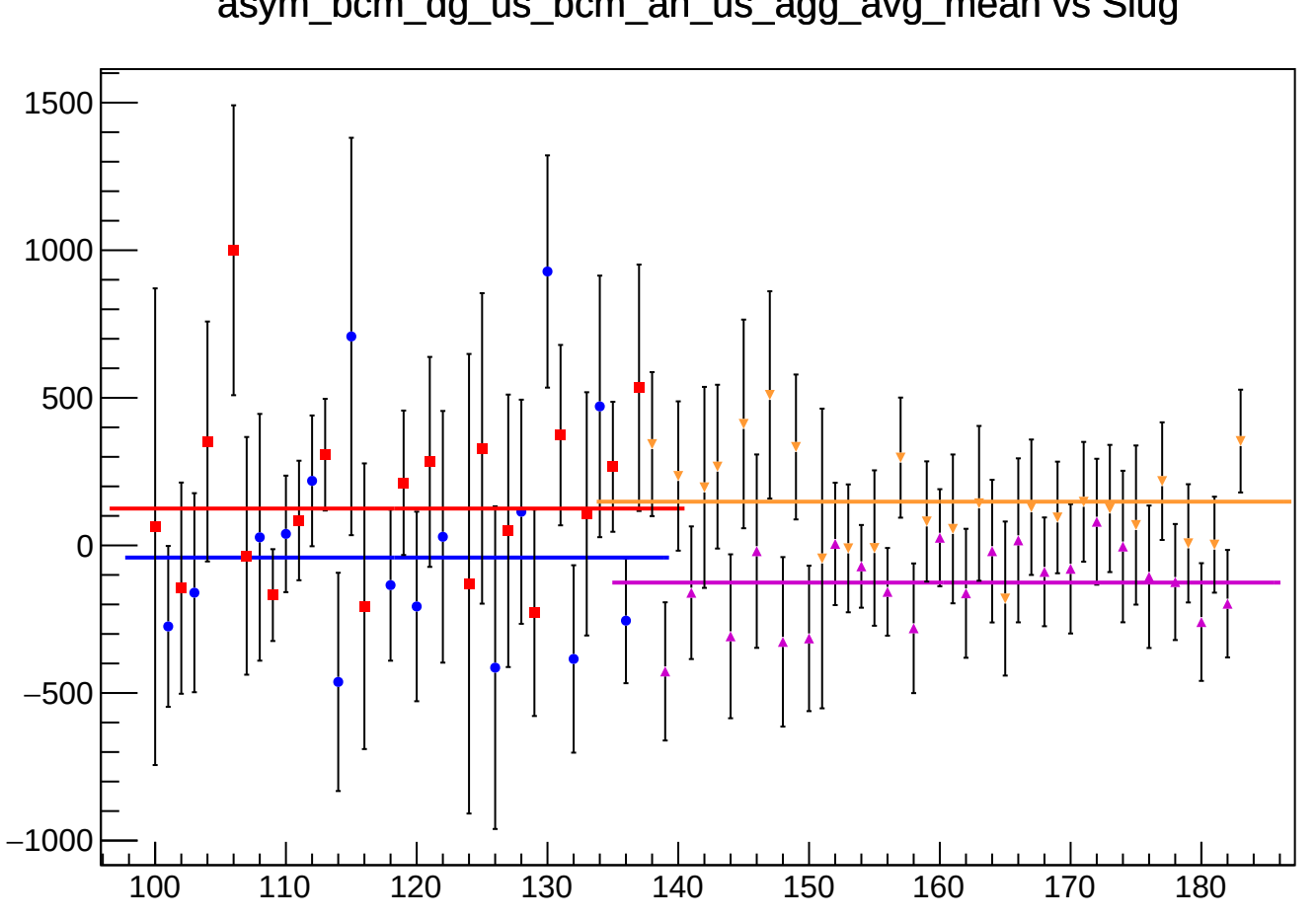
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.988+/-0.003 χ^2/NDF:103122.3/21

+ sign 17.241+/-0.002 χ^2/NDF: 145865.3/39

All: 17.228+/-0.002 χ^2/NDF: 305045.4/80

- sign 17.215+/-0.002 χ^2/NDF: 159123.6/40



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 148.201+/-47.292 χ^2/NDF:9.5/23

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

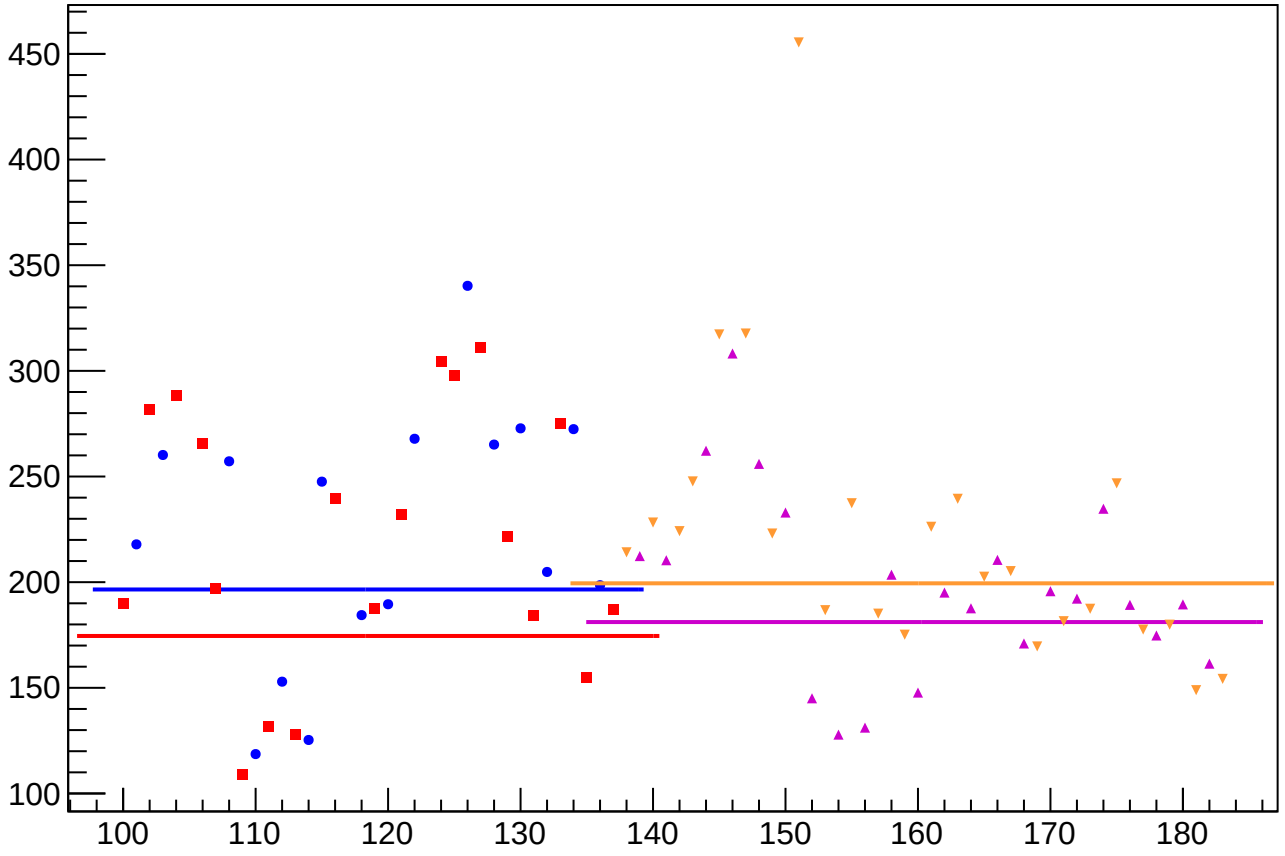
Left In: -125.990+/-44.584 χ^2/NDF:7.6/21

+ sign 96.483+/-40.318 χ^2/NDF: 29.5/39

All: 16.658+/-27.445 χ^2/NDF: 66.6/80

- sign -52.266+/-37.464 χ^2/NDF: 29.8/40

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 199.456+/-0.033 χ^2/NDF:1742296.2/23

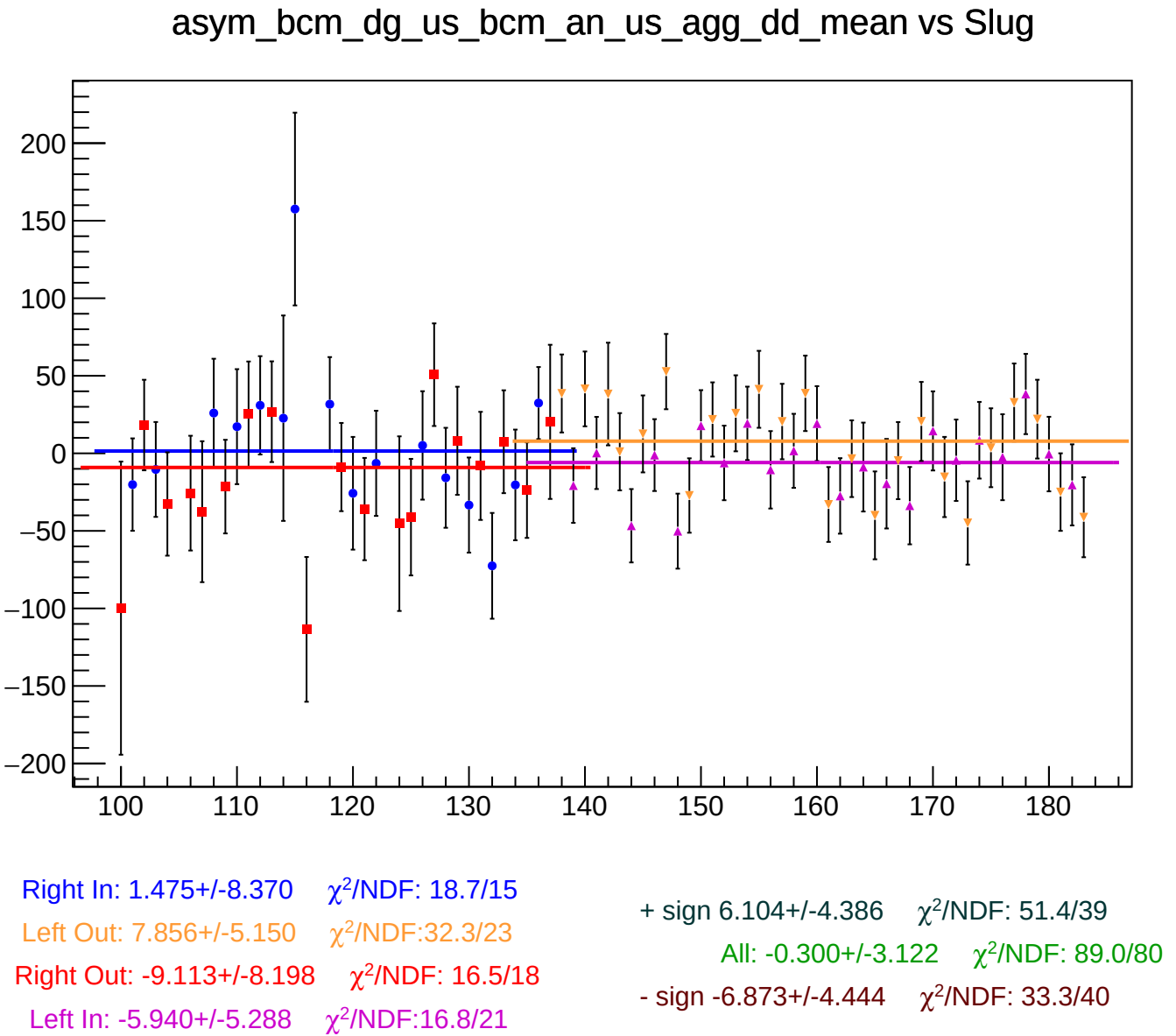
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 181.124+/-0.032 χ^2/NDF:1615823.7/21

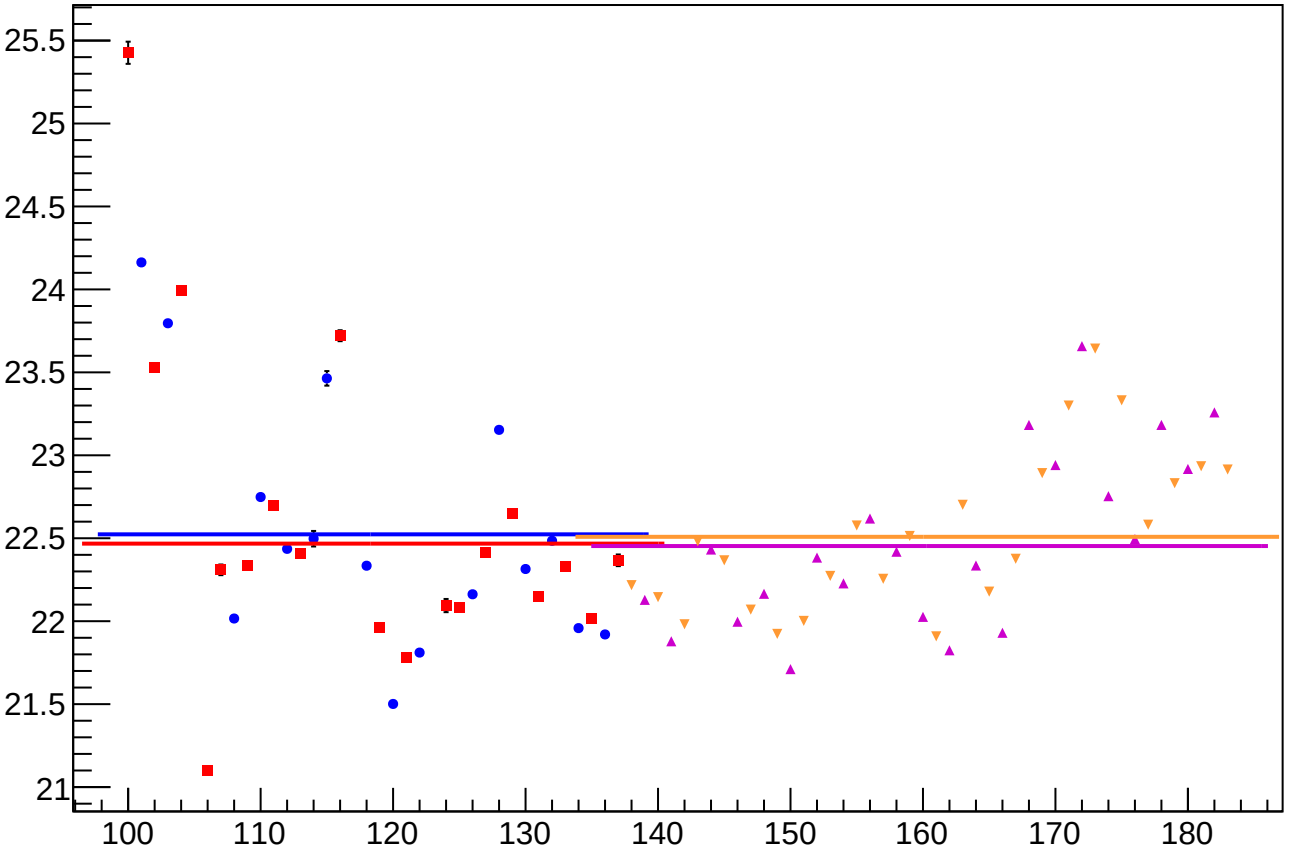
+ sign 198.660+/-0.029 χ^2/NDF: 2745140.1/39

All: 188.211+/-0.019 χ^2/NDF: 6212808.8/80

- sign 179.189+/-0.026 χ^2/NDF: 3217367.8/40


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug
200
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: 1.475+/-8.370 χ²/NDF: 18.7/15
Left Out: 7.856+/-5.150 χ²/NDF:32.3/23
Right Out: -9.113+/-8.198 χ²/NDF: 16.5/18
Left In: -5.940+/-5.288 χ²/NDF:16.8/21
+ sign 6.104+/-4.386 χ²/NDF: 51.4/39
All: -0.300+/-3.122 χ²/NDF: 89.0/80
- sign -6.873+/-4.444 χ²/NDF: 33.3/40

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.509+/-0.004 χ^2/NDF:15539.8/23

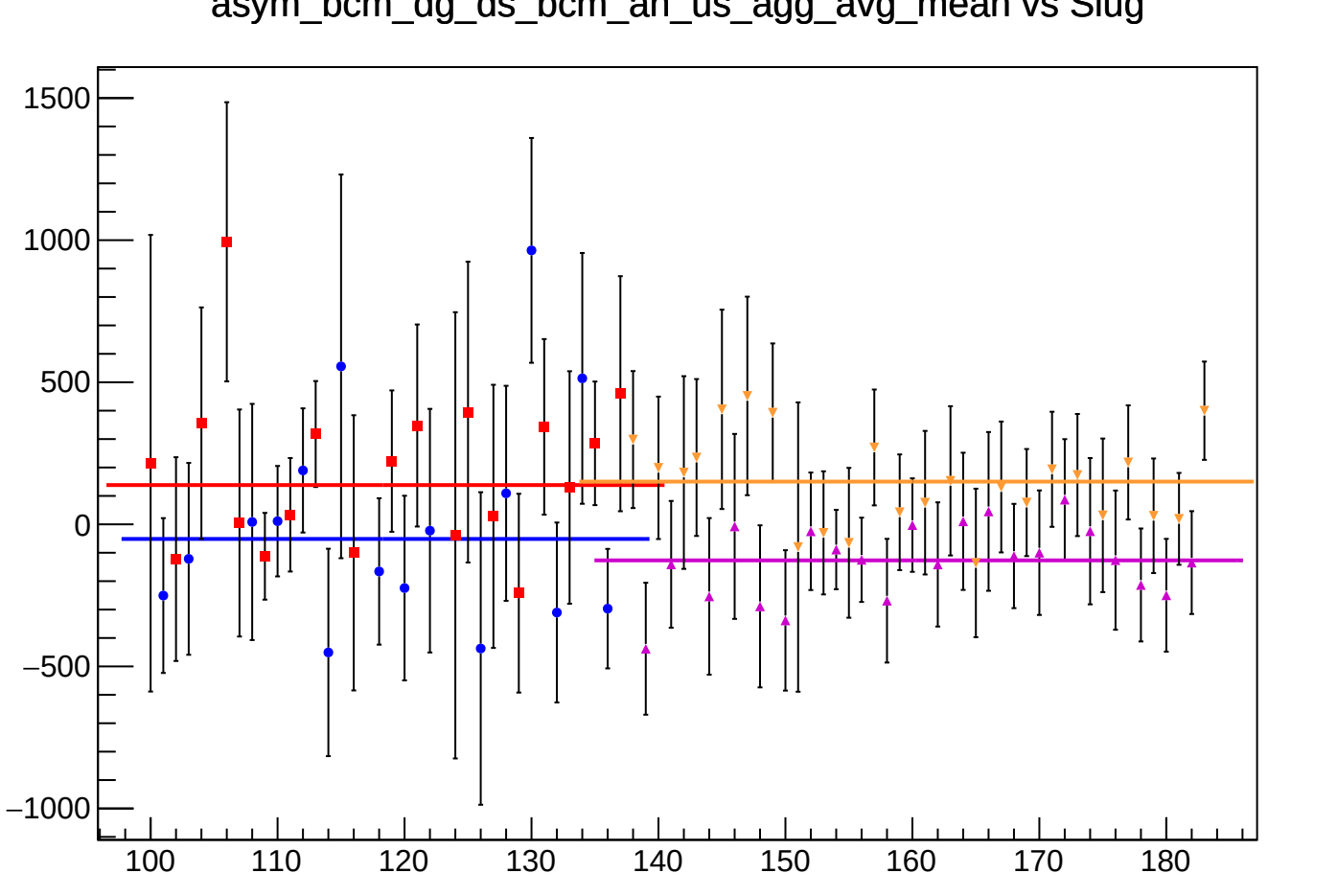
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.453+/-0.004 χ^2/NDF:18878.6/21

+ sign 22.513+/-0.003 χ^2/NDF: 31492.3/39

All: 22.485+/-0.002 χ^2/NDF: 66159.4/80

- sign 22.457+/-0.003 χ^2/NDF: 34509.5/40



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 150.369+/-47.217 χ^2/NDF:9.9/23

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

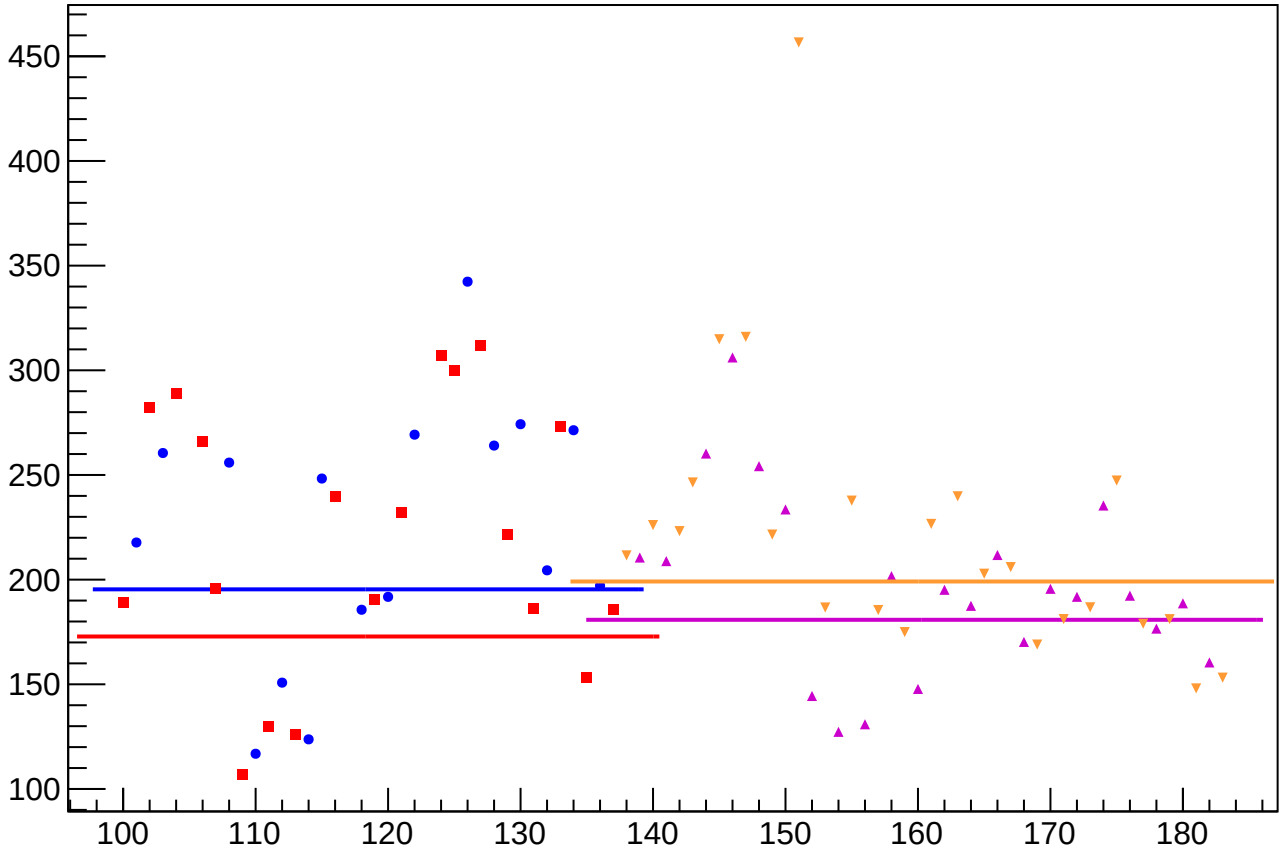
Left In: -126.825+/-44.512 χ^2/NDF:7.0/21

+ sign 94.995+/-40.223 χ^2/NDF: 30.2/39

All: 18.011+/-27.368 χ^2/NDF: 66.1/80

- sign -48.347+/-37.344 χ^2/NDF: 29.1/40

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 199.117+/-0.033 χ^2/NDF:1742022.0/23

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

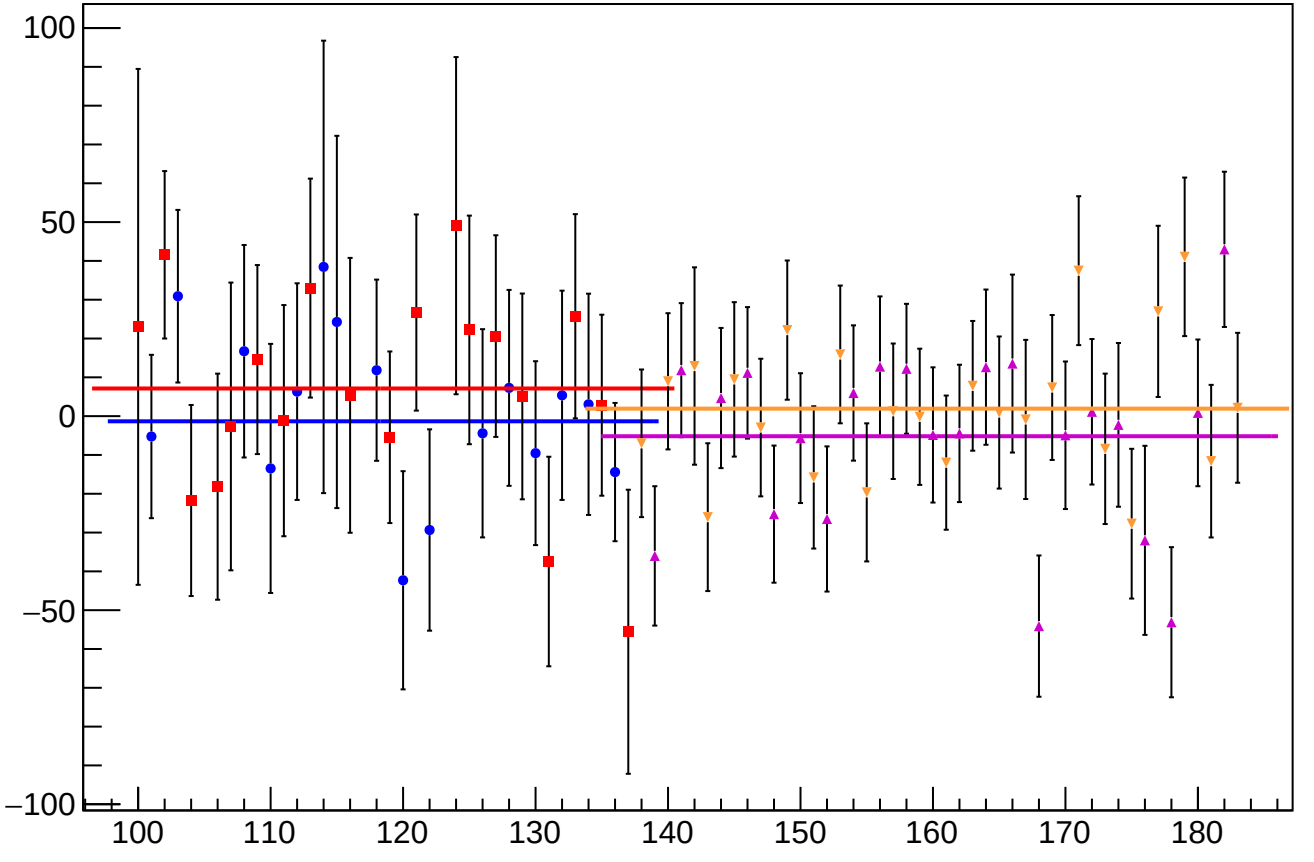
Left In: 180.813+/-0.031 χ^2/NDF:1611739.6/21

+ sign 198.087+/-0.028 χ^2/NDF: 2786926.7/39

All: 187.541+/-0.019 χ^2/NDF: 6333098.6/80

- sign 178.451+/-0.026 χ^2/NDF: 3290185.0/40

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.933+/-3.848 χ^2/NDF:19.6/23

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

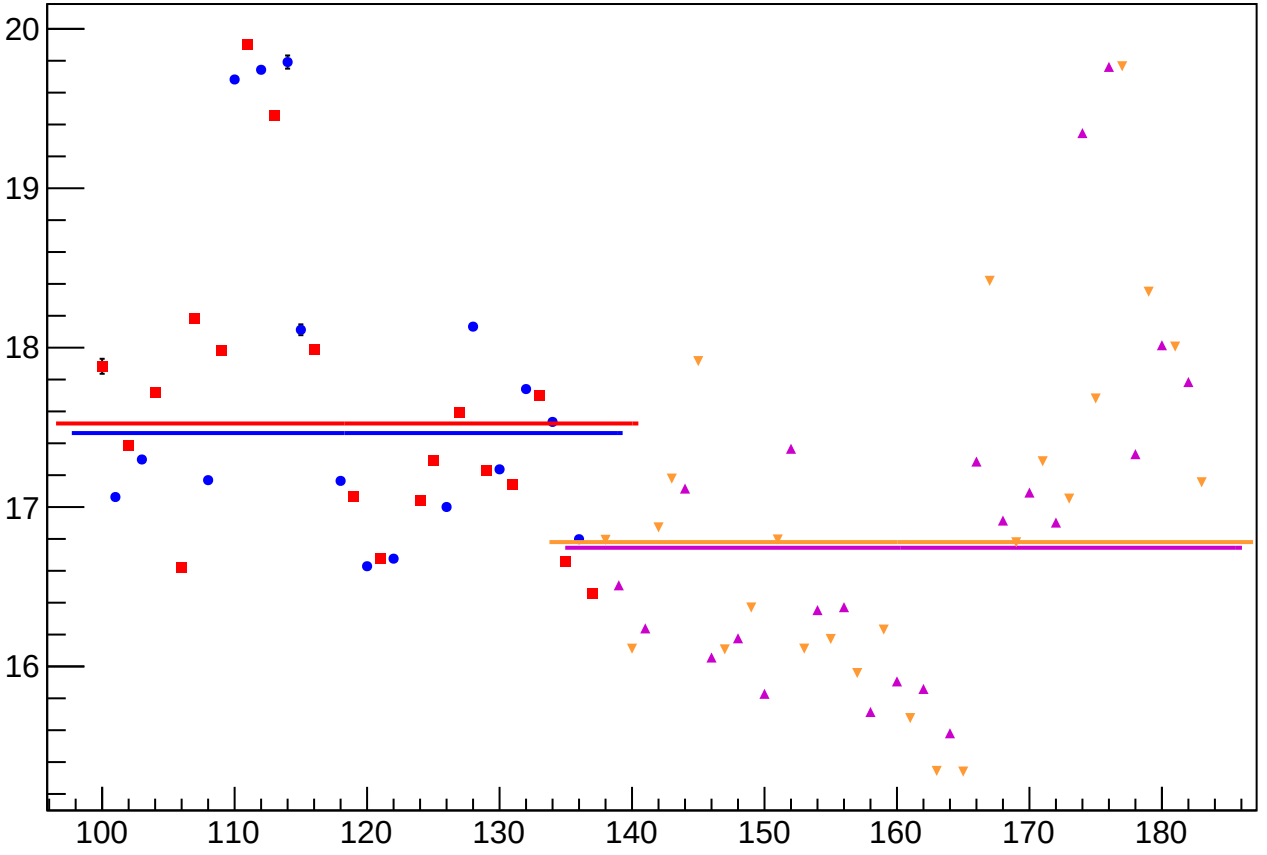
Left In: -5.177+/-3.953 χ^2/NDF:32.3/21

+ sign 1.086+/-3.311 χ^2/NDF: 27.9/39

All: -0.325+/-2.360 χ^2/NDF: 77.6/80

- sign -1.781+/-3.364 χ^2/NDF: 49.4/40

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.780+/-0.003 χ^2/NDF:135447.7/23

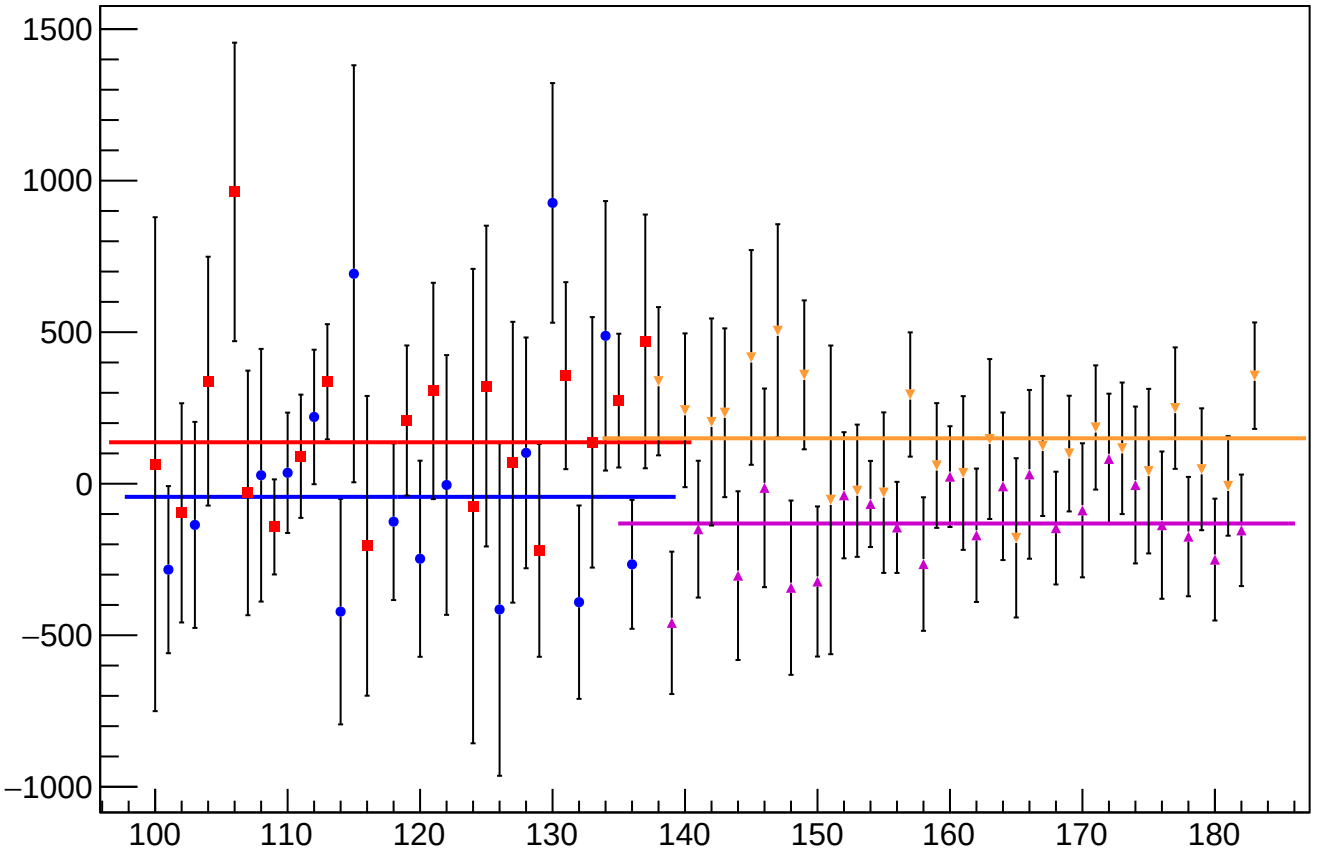
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.745+/-0.003 χ^2/NDF:121804.3/21

+ sign 16.958+/-0.002 χ^2/NDF: 188500.1/39

All: 16.959+/-0.002 χ^2/NDF: 366506.0/80

- sign 16.960+/-0.002 χ^2/NDF: 178005.5/40



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 149.894+/-47.614 χ^2/NDF:10.0/23

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

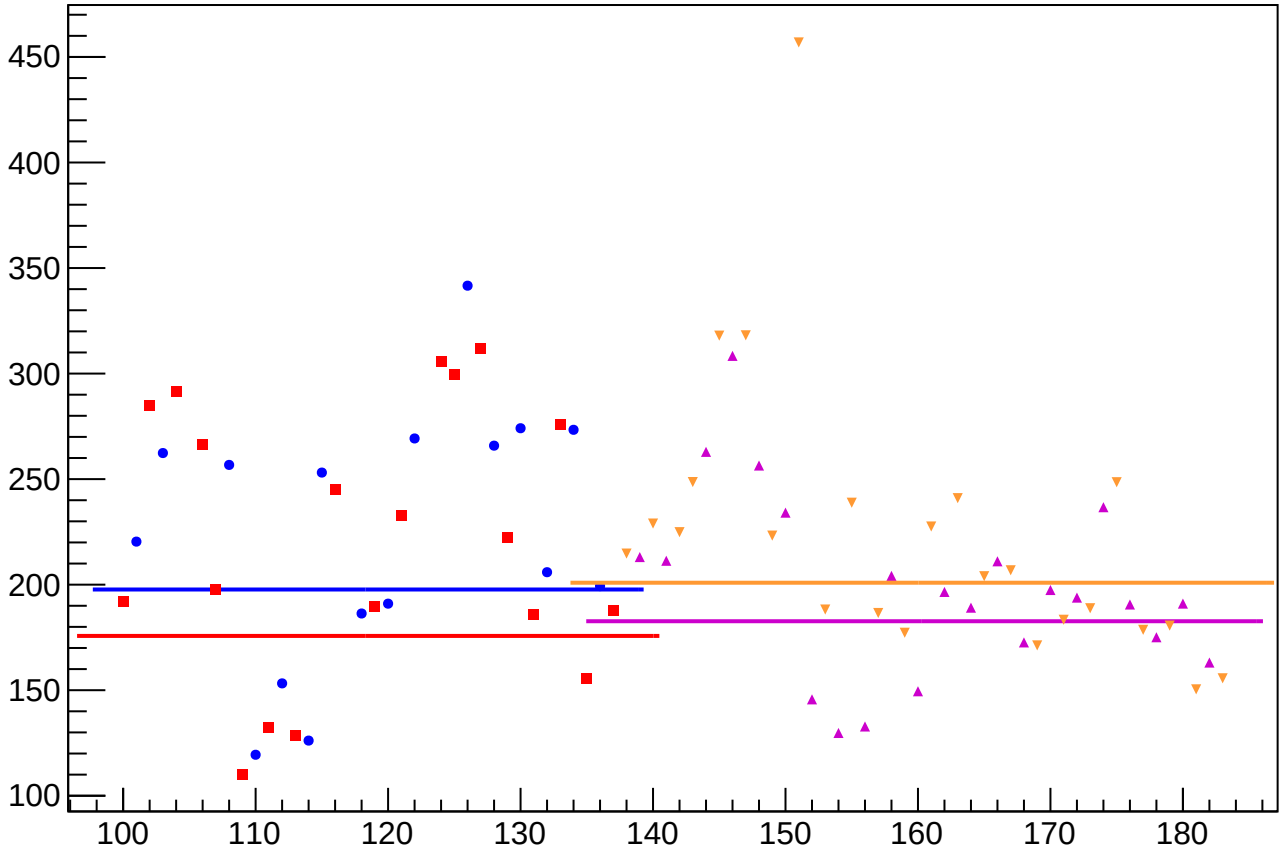
Left In: -131.270+/-44.932 χ^2/NDF:7.6/21

+ sign 97.014+/-40.581 χ^2/NDF: 29.9/39

All: 16.925+/-27.637 χ^2/NDF: 66.8/80

- sign -52.350+/-37.742 χ^2/NDF: 29.6/40

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 200.919+/-0.034 χ^2/NDF:1713367.9/23

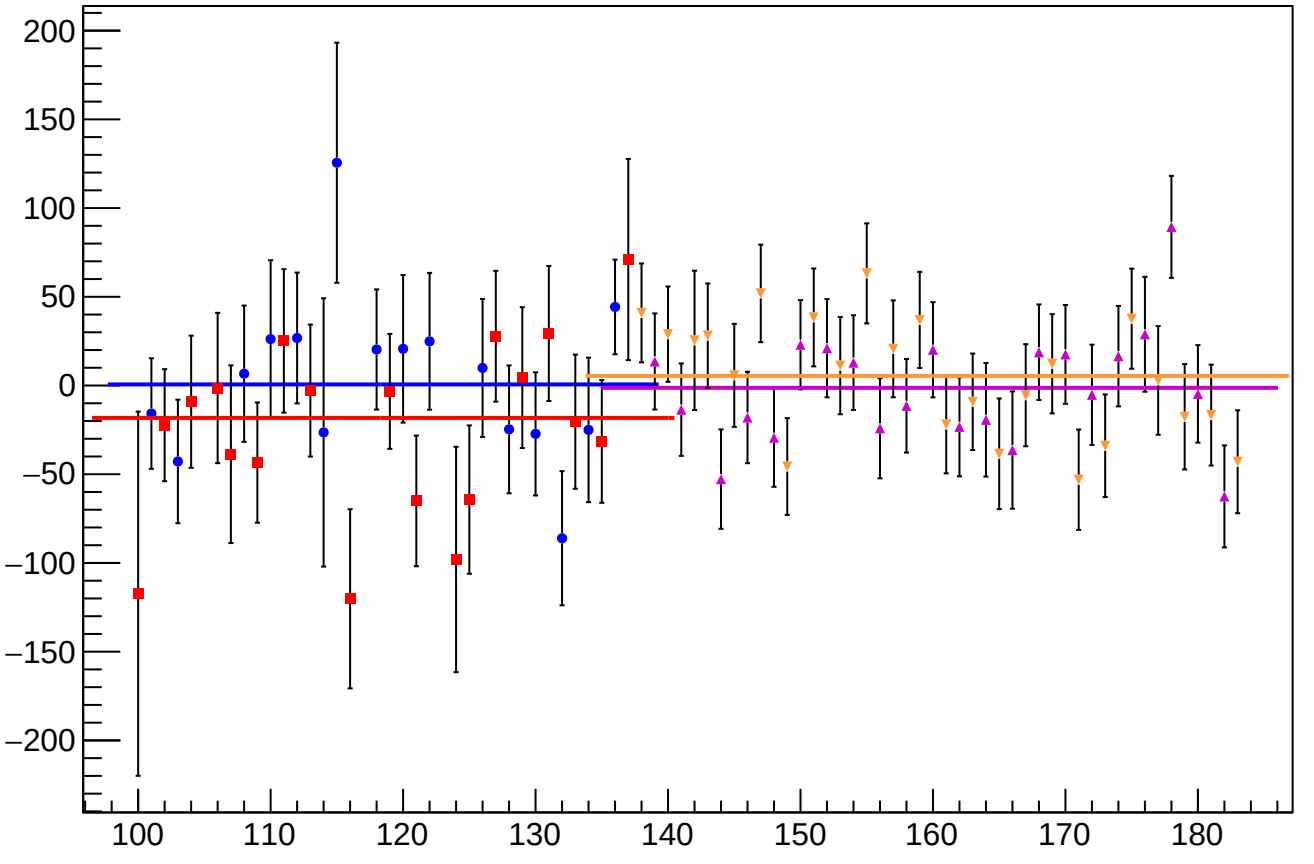
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 182.673+/-0.032 χ^2/NDF:1572249.6/21

+ sign 200.040+/-0.029 χ^2/NDF: 2716182.3/39

All: 189.630+/-0.020 χ^2/NDF: 6138588.6/80

- sign 180.625+/-0.027 χ^2/NDF: 3176928.5/40



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 5.411+/-5.826 χ^2/NDF:31.8/23

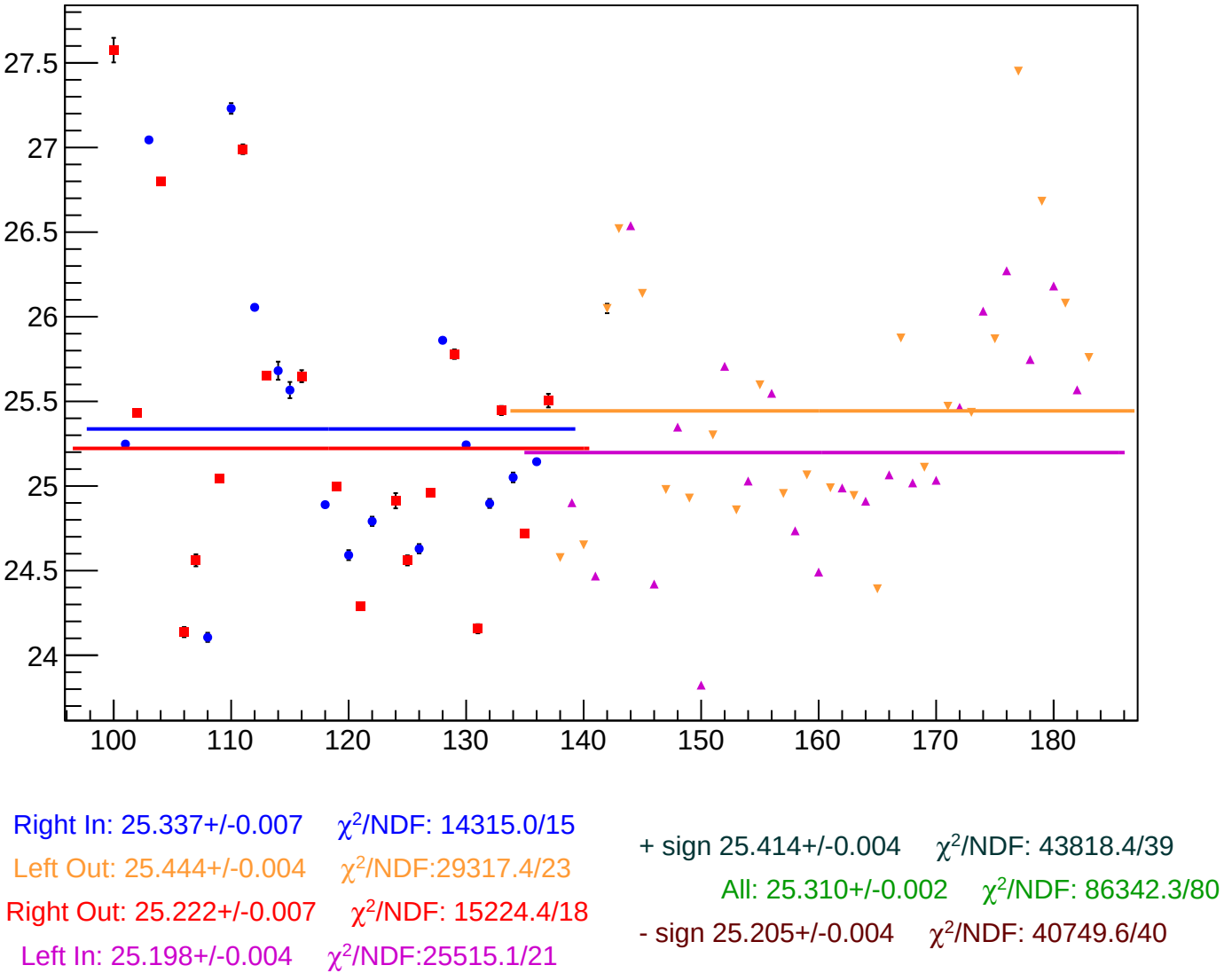
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

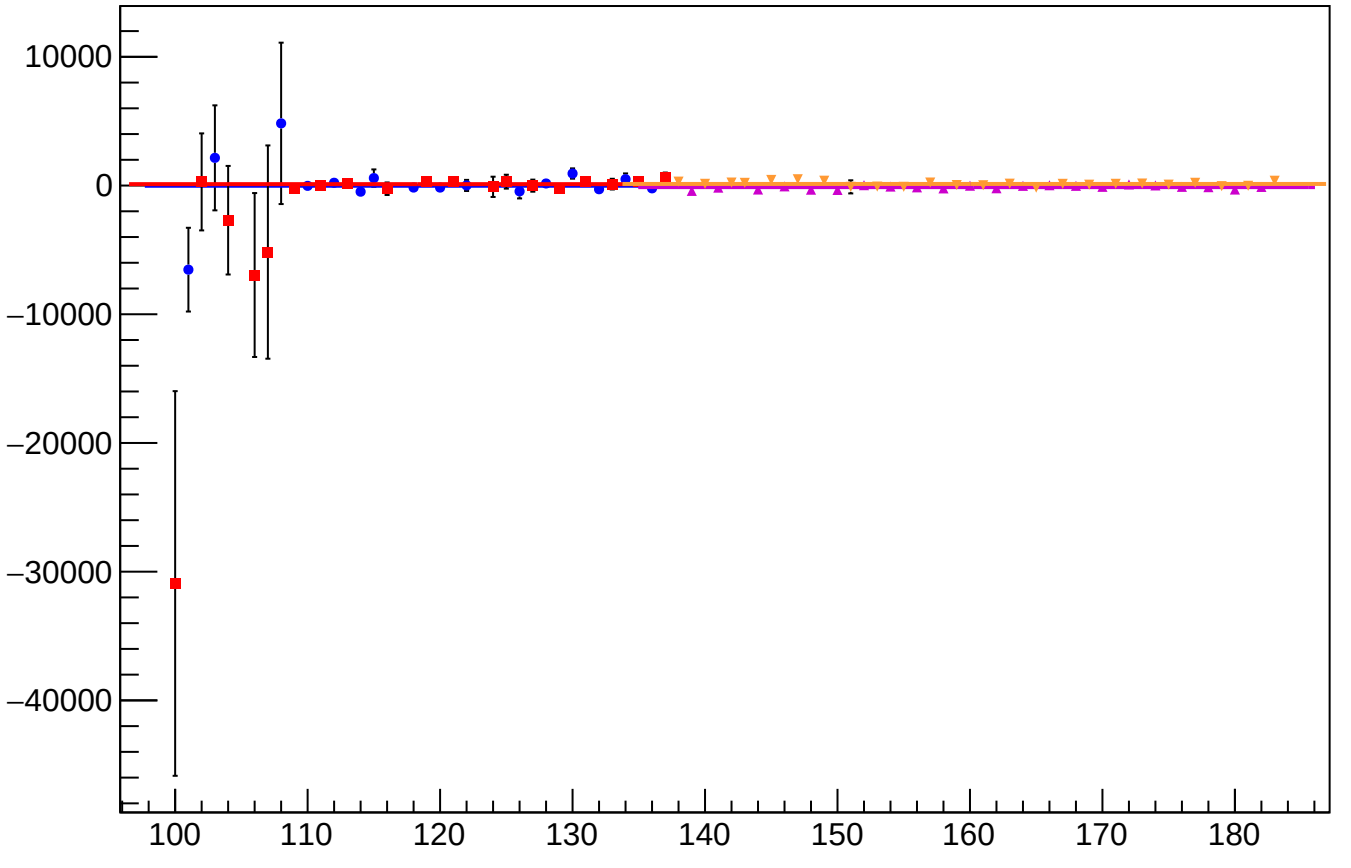
Left In: -1.294+/-5.939 χ^2/NDF:27.5/21

+ sign 4.086+/-4.955 χ^2/NDF: 48.8/39

All: -1.057+/-3.517 χ^2/NDF: 98.8/80

- sign -6.275+/-4.991 χ^2/NDF: 47.9/40


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
100
110
120
130
140
150
160
170
180
Right In: 25.337+/-0.007 χ2/NDF: 14315.0/15
Left Out: 25.444+/-0.004 χ2/NDF:29317.4/23
Right Out: 25.222+/-0.007 χ2/NDF: 15224.4/18
Left In: 25.198+/-0.004 χ2/NDF:25515.1/21
+ sign 25.414+/-0.004 χ2/NDF: 43818.4/39
All: 25.310+/-0.002 χ2/NDF: 86342.3/80
- sign 25.205+/-0.004 χ2/NDF: 40749.6/40



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 123.392+/-47.496 χ^2/NDF:11.0/23

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

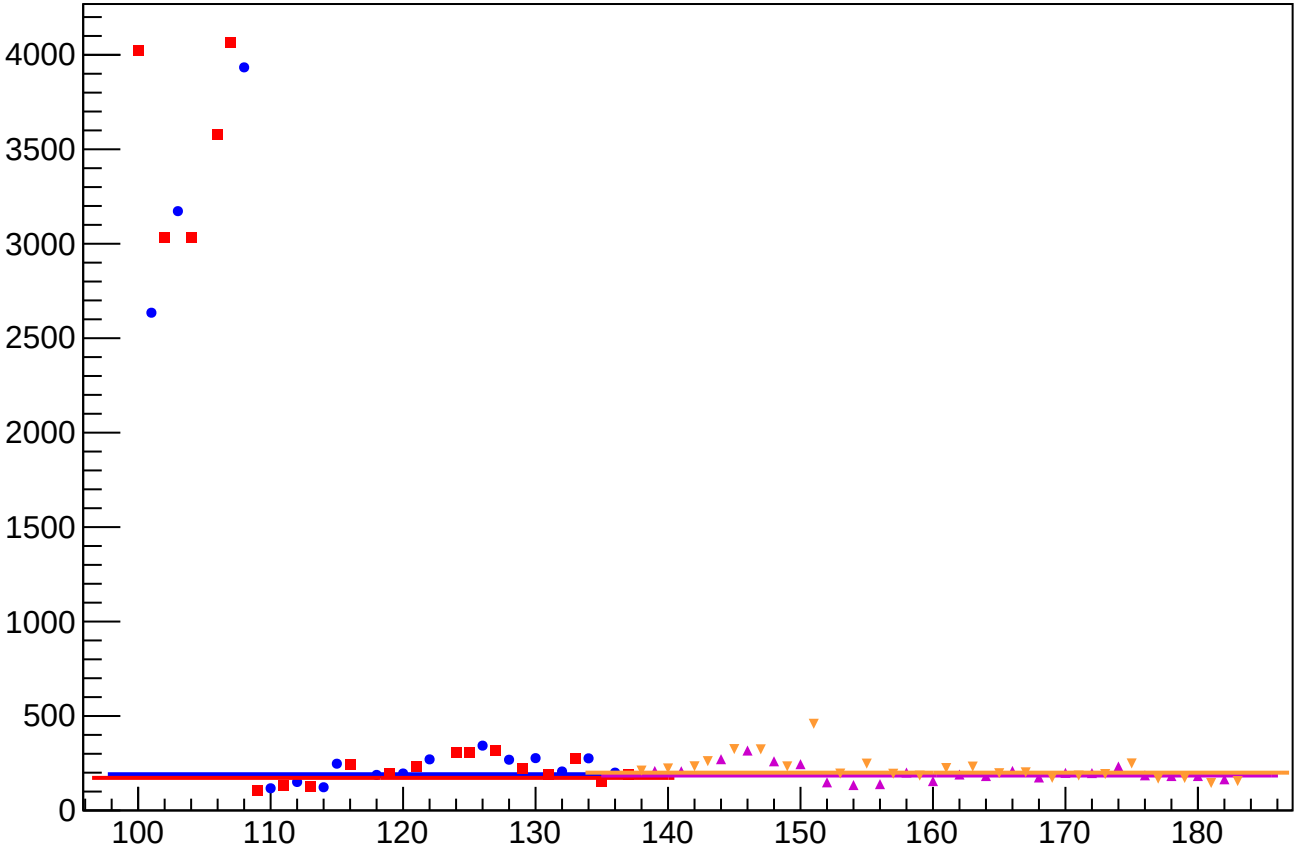
Left In: -121.821+/-45.394 χ^2/NDF:7.5/21

+ sign 90.179+/-41.427 χ^2/NDF: 31.4/39

All: 9.147+/-28.491 χ^2/NDF: 66.8/80

- sign -63.577+/-39.246 χ^2/NDF: 28.1/40

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 200.079+/-0.034 χ^2/NDF:1858417.5/23

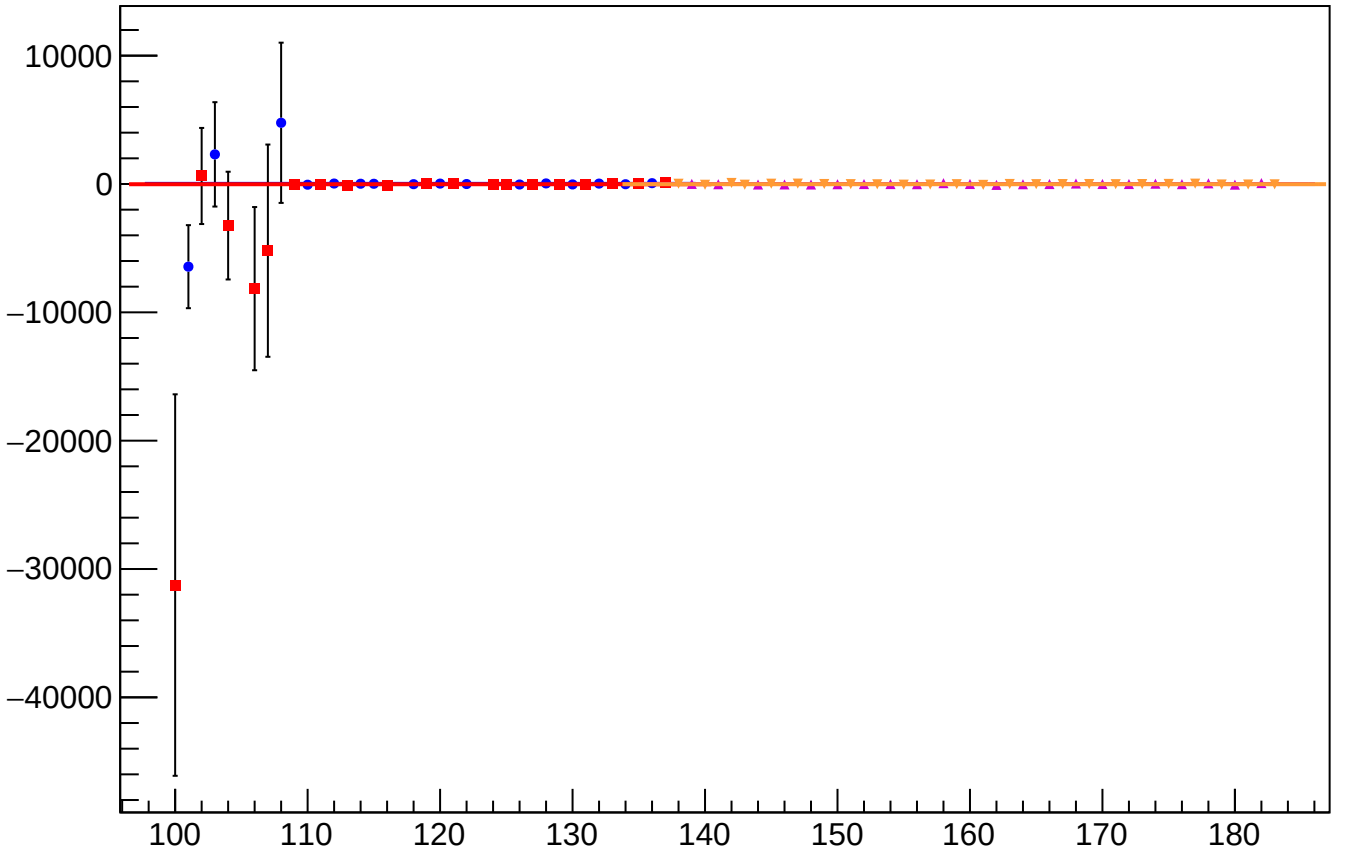
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 184.991+/-0.032 χ^2/NDF:1431424.1/21

+ sign 198.083+/-0.029 χ^2/NDF: 5694984.7/39

All: 189.516+/-0.020 χ^2/NDF: 11630304.1/80

- sign 181.827+/-0.028 χ^2/NDF: 5773026.5/40



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -14.165+/-6.556 χ^2/NDF:21.5/23

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

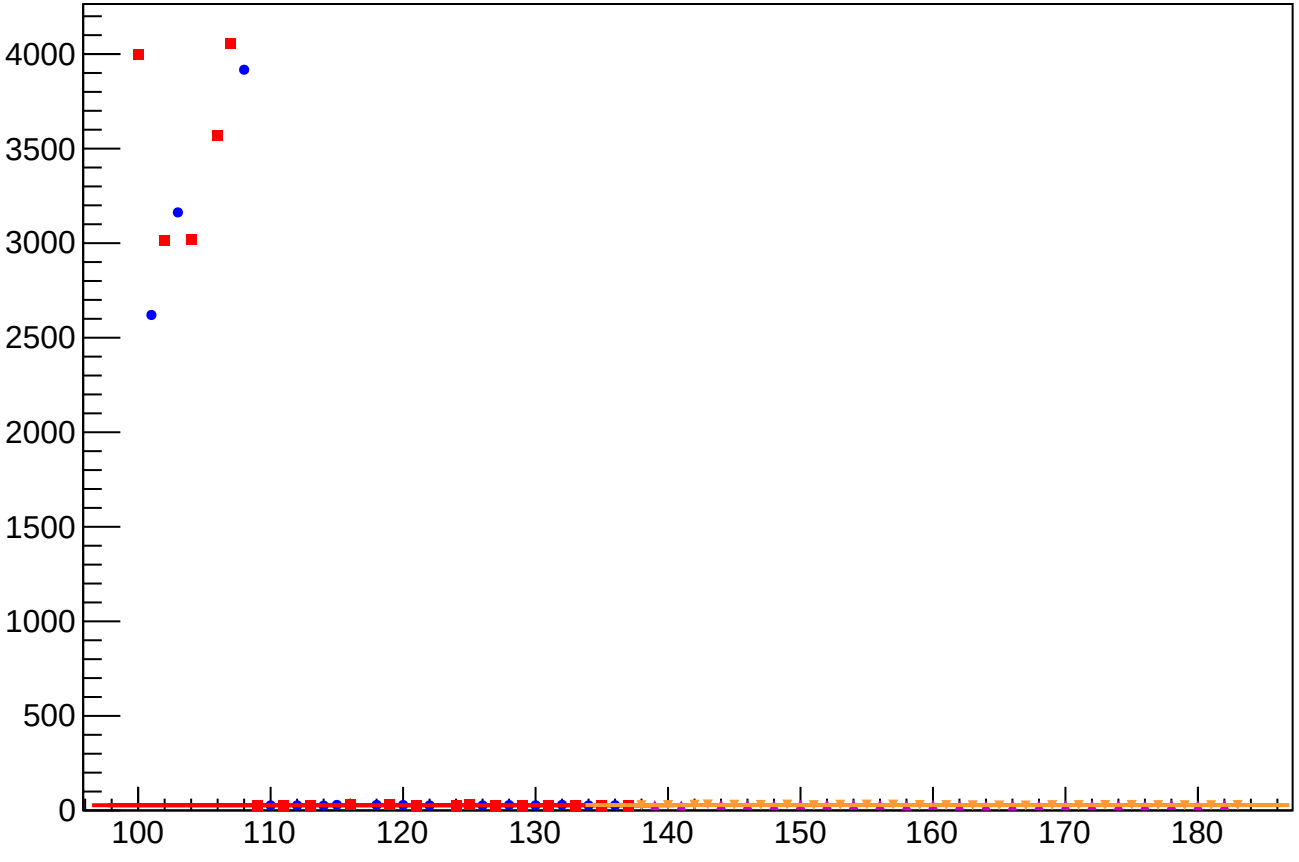
Left In: -2.128+/-6.759 χ^2/NDF:28.3/21

+ sign -8.481+/-5.717 χ^2/NDF: 40.6/39

All: -7.307+/-4.094 χ^2/NDF: 95.2/80

- sign -6.072+/-5.865 χ^2/NDF: 54.4/40

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.585+/-0.005 χ^2/NDF:88130.5/23

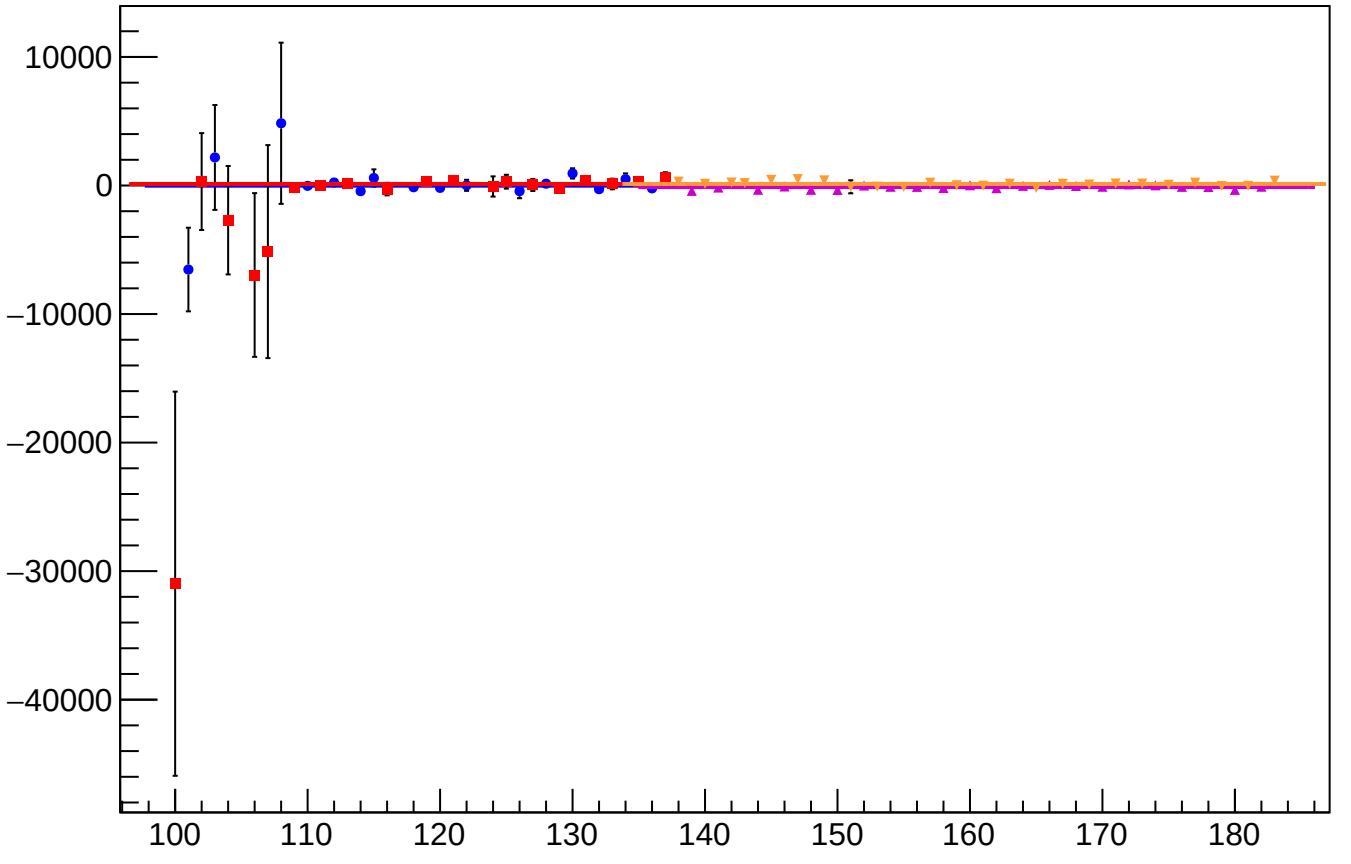
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.605+/-0.005 χ^2/NDF:122927.7/21

+ sign 28.359+/-0.004 χ^2/NDF: 3363551.7/39

All: 28.350+/-0.003 χ^2/NDF: 7054112.3/80

- sign 28.341+/-0.004 χ^2/NDF: 3690550.5/40



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 119.775+/-47.393 χ^2/NDF:11.9/23

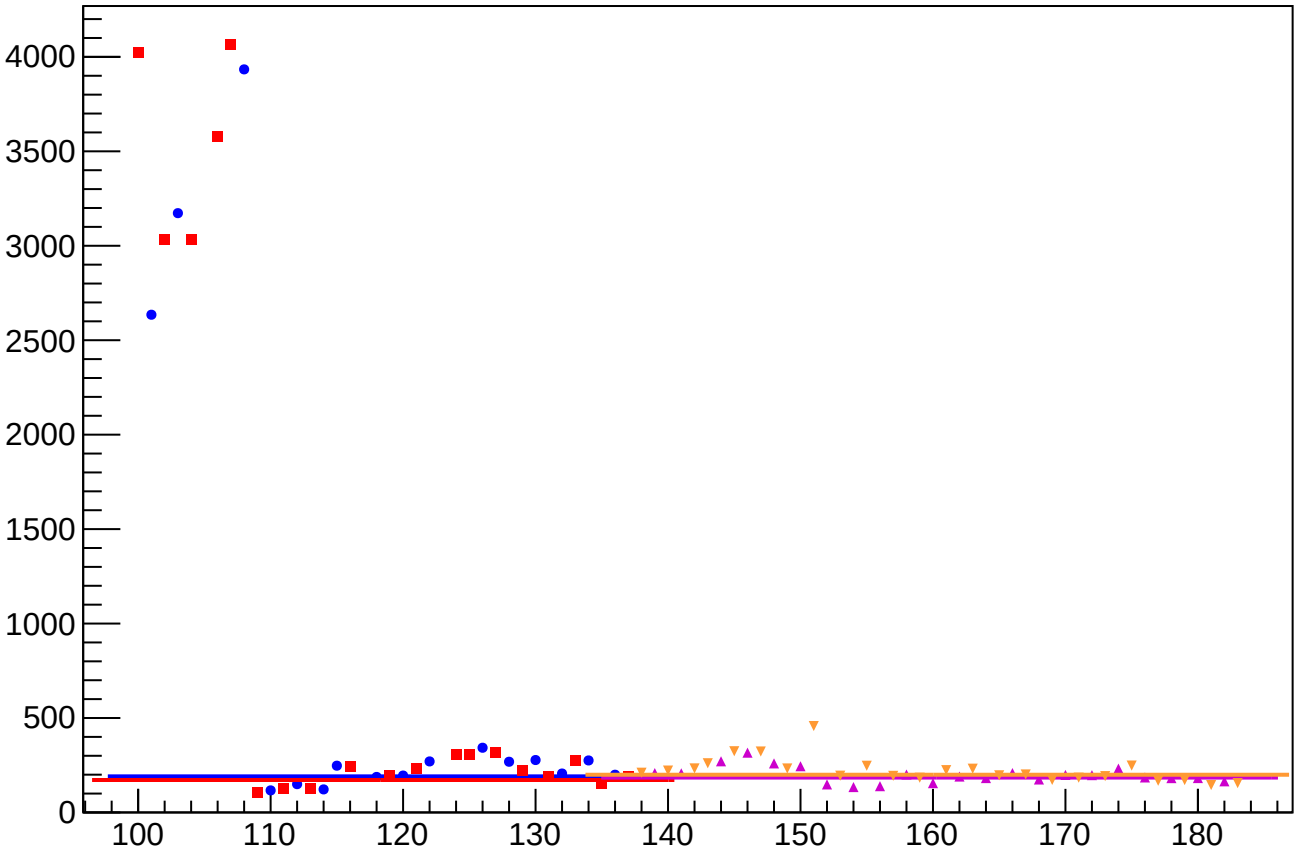
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -119.920+/-45.307 χ^2/NDF:8.1/21

\+ sign 87.938+/-41.330 χ^2/NDF: 32.1/39

All: 10.128+/-28.426 χ^2/NDF: 68.4/80

\- sign -59.724+/-39.160 χ^2/NDF: 29.6/40



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 199.650+/-0.034 χ^2/NDF:1857950.6/23

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

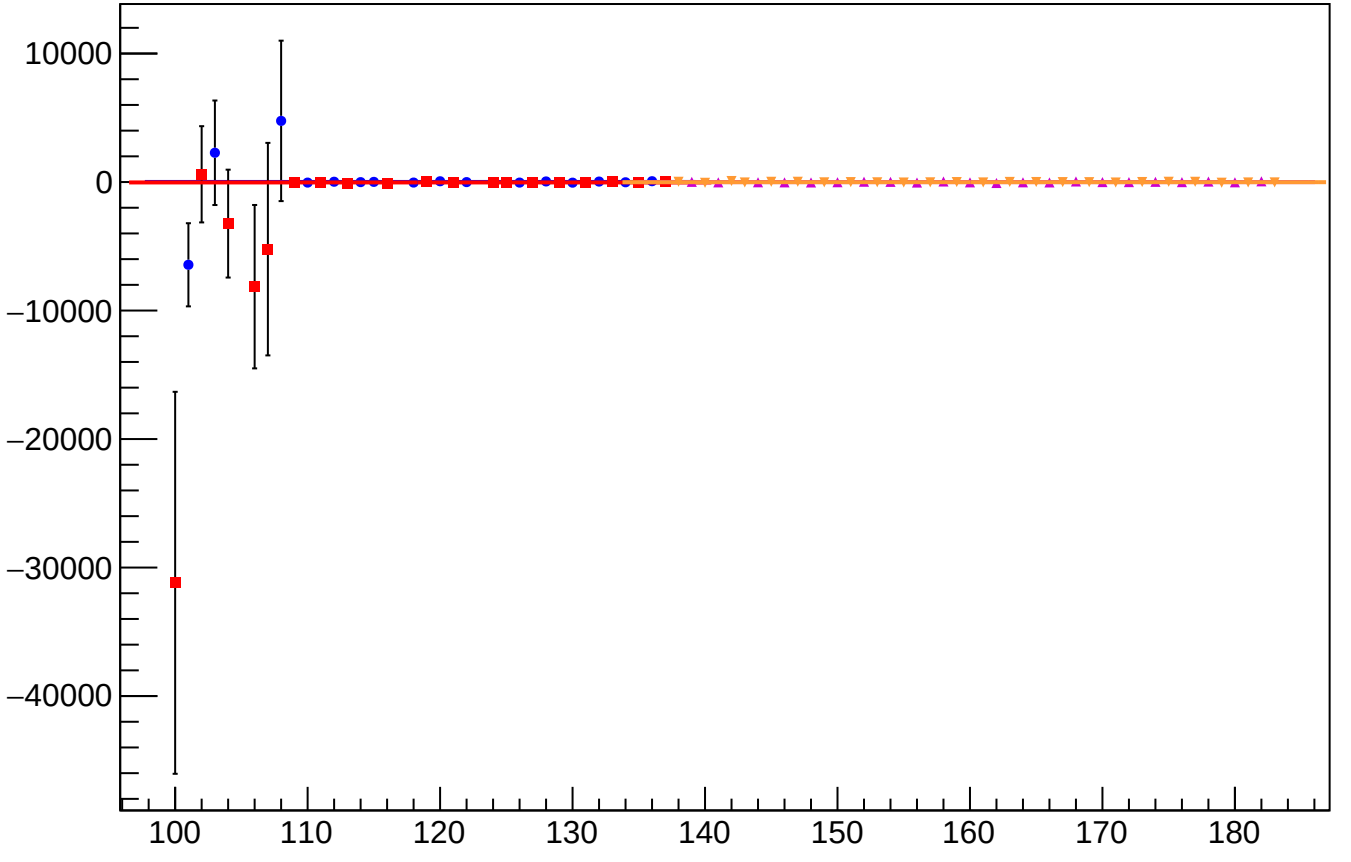
Left In: 184.640+/-0.032 χ^2/NDF:1430643.9/21

+ sign 197.595+/-0.029 χ^2/NDF: 5707603.7/39

All: 189.062+/-0.020 χ^2/NDF: 11655183.0/80

- sign 181.401+/-0.028 χ^2/NDF: 5785773.9/40

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -11.016+/-6.585 χ^2/NDF:16.7/23

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

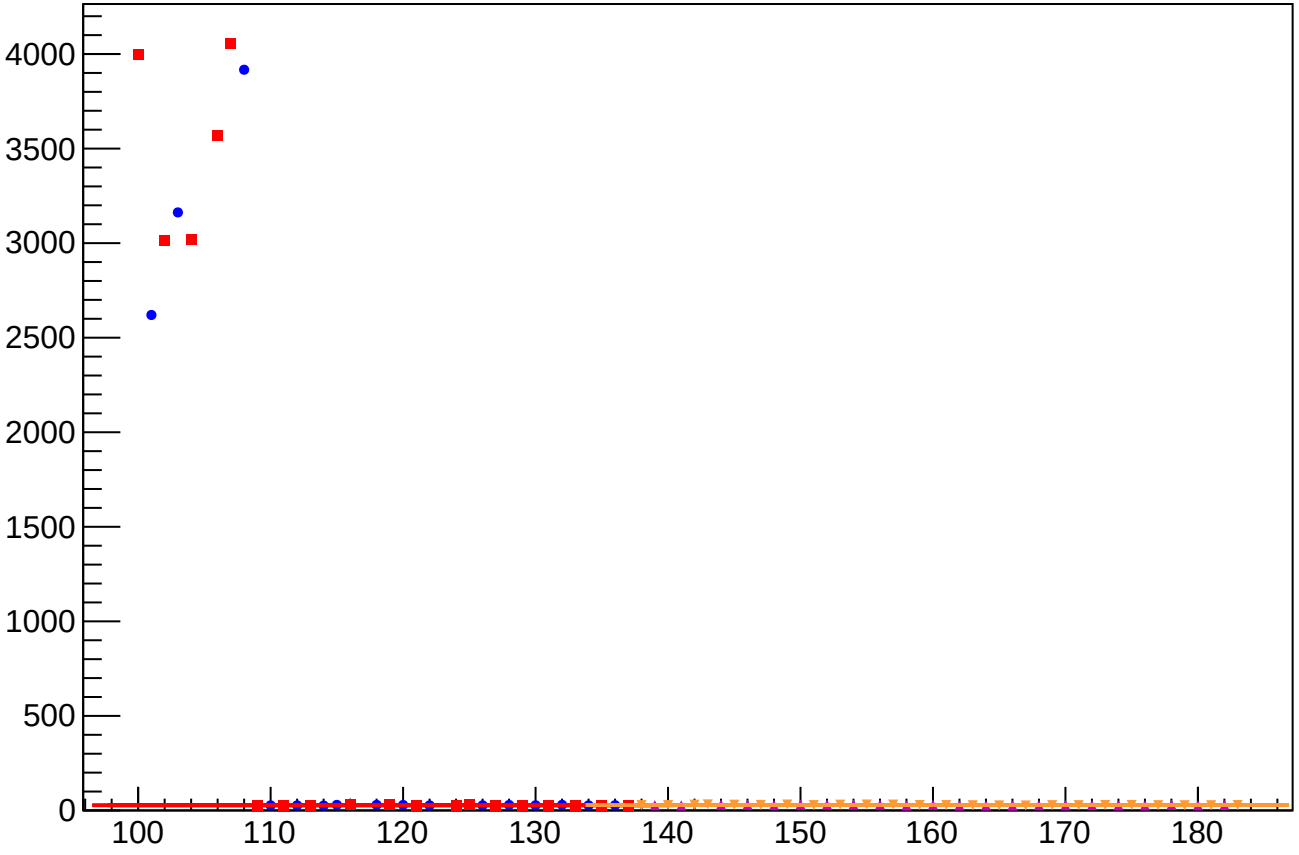
Left In: -2.964+/-6.788 χ^2/NDF:22.0/21

+ sign -6.840+/-5.746 χ^2/NDF: 36.6/39

All: -8.299+/-4.115 χ^2/NDF: 82.8/80

- sign -9.836+/-5.896 χ^2/NDF: 46.0/40

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.709+/-0.005 χ^2/NDF:98855.4/23

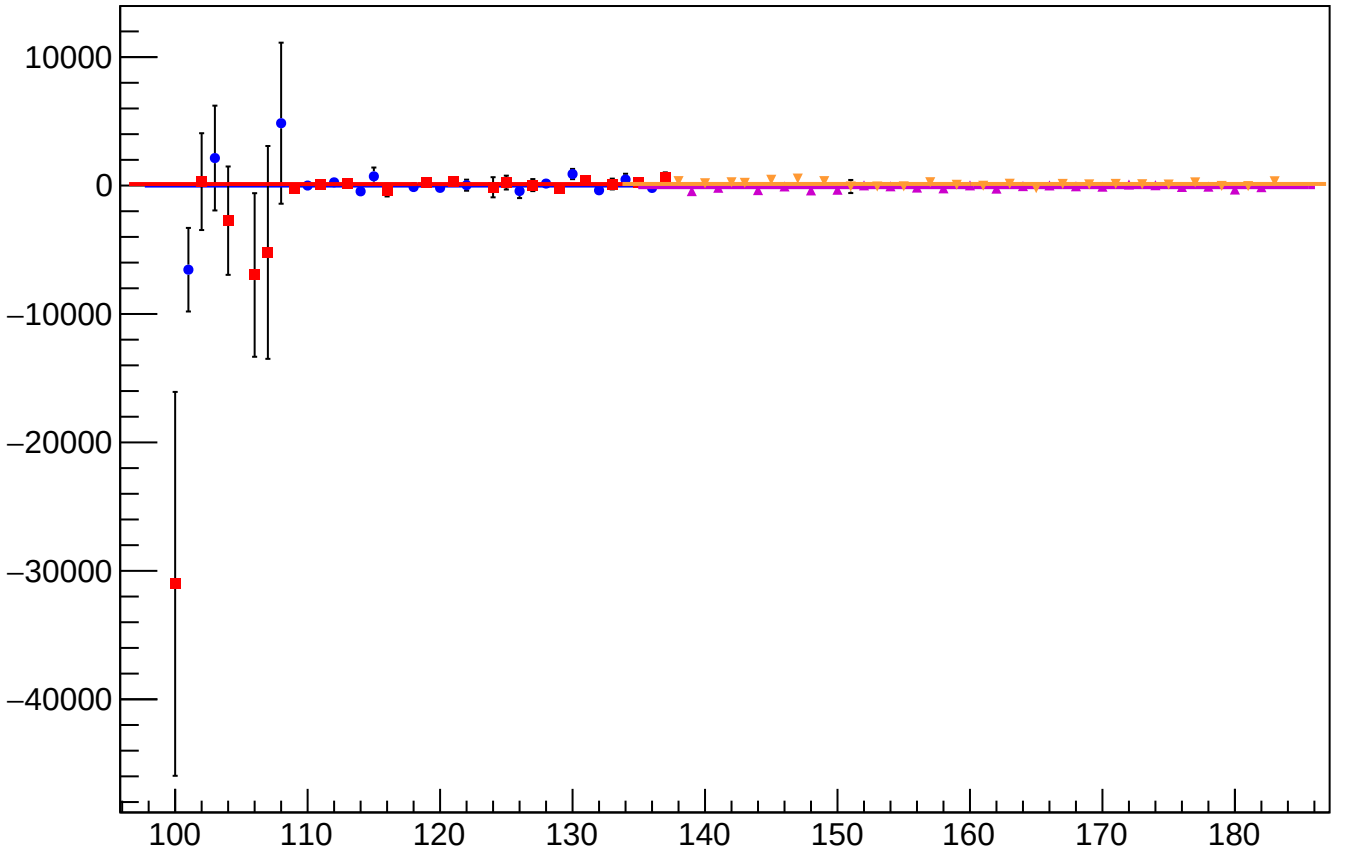
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.730+/-0.005 χ^2/NDF:127373.2/21

+ sign 28.498+/-0.004 χ^2/NDF: 3373354.8/39

All: 28.494+/-0.003 χ^2/NDF: 7069556.4/80

- sign 28.490+/-0.004 χ^2/NDF: 3696199.6/40



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 123.186+/-47.868 χ^2/NDF:11.3/23

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

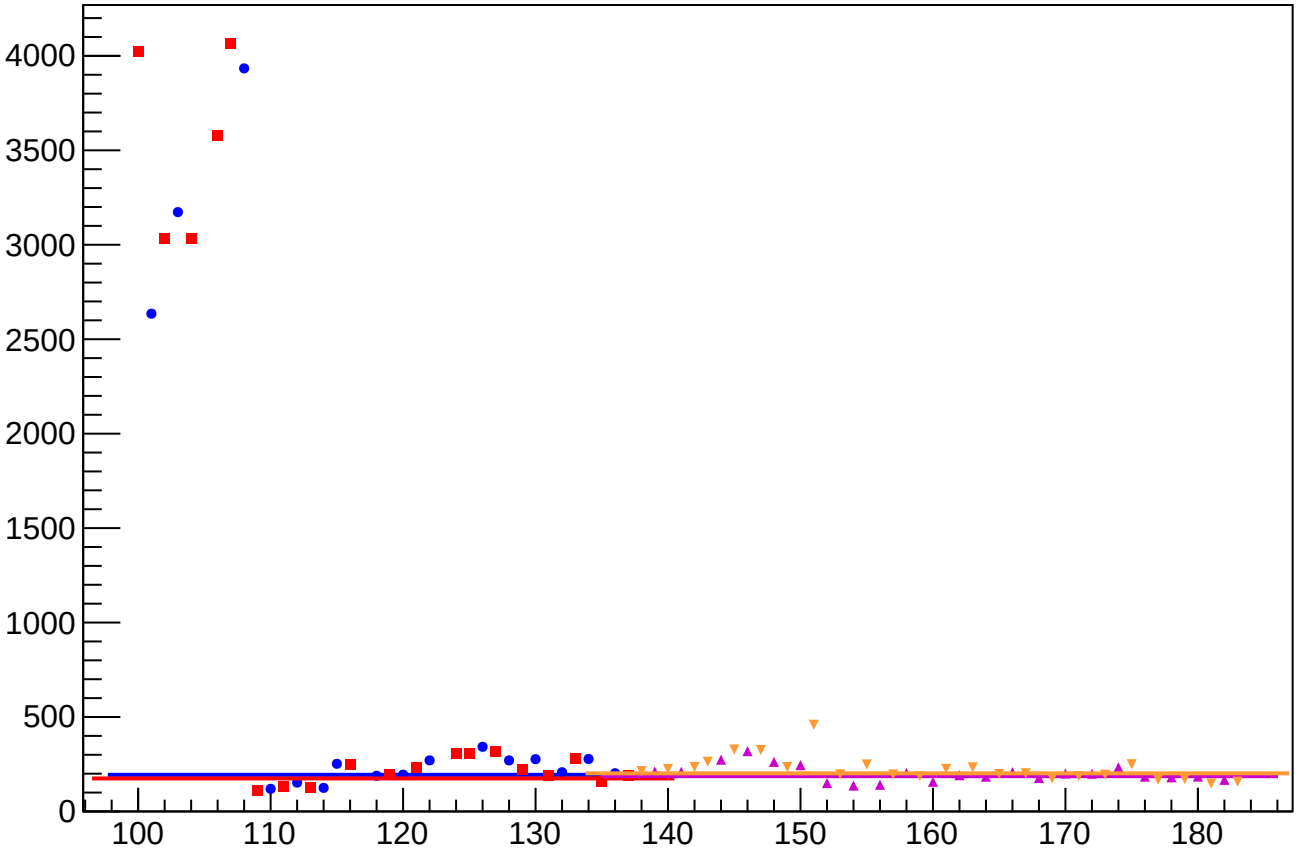
Left In: -126.479+/-45.791 χ^2/NDF:8.2/21

\+ sign 93.126+/-41.769 χ^2/NDF: 31.2/39

All: 9.607+/-28.742 χ^2/NDF: 67.9/80

\- sign -65.506+/-39.611 χ^2/NDF: 29.1/40

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 201.750+/-0.034 χ^2/NDF:1838215.8/23

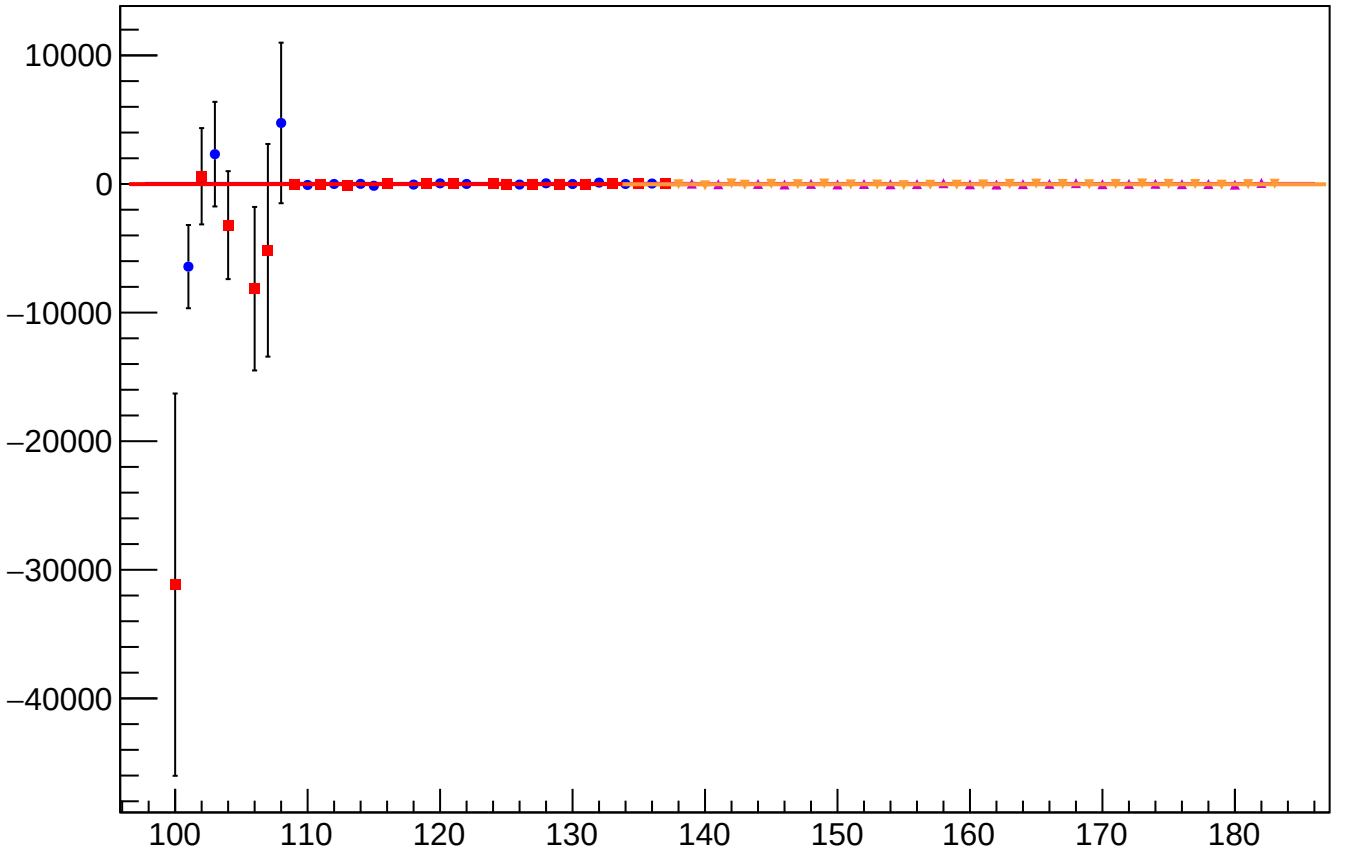
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 186.748+/-0.032 χ^2/NDF:1399285.8/21

+ sign 199.888+/-0.030 χ^2/NDF: 5635365.7/39

All: 191.384+/-0.020 χ^2/NDF: 11485835.8/80

- sign 183.736+/-0.028 χ^2/NDF: 5693002.0/40



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -21.846+/-7.886 χ^2/NDF:22.4/23

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

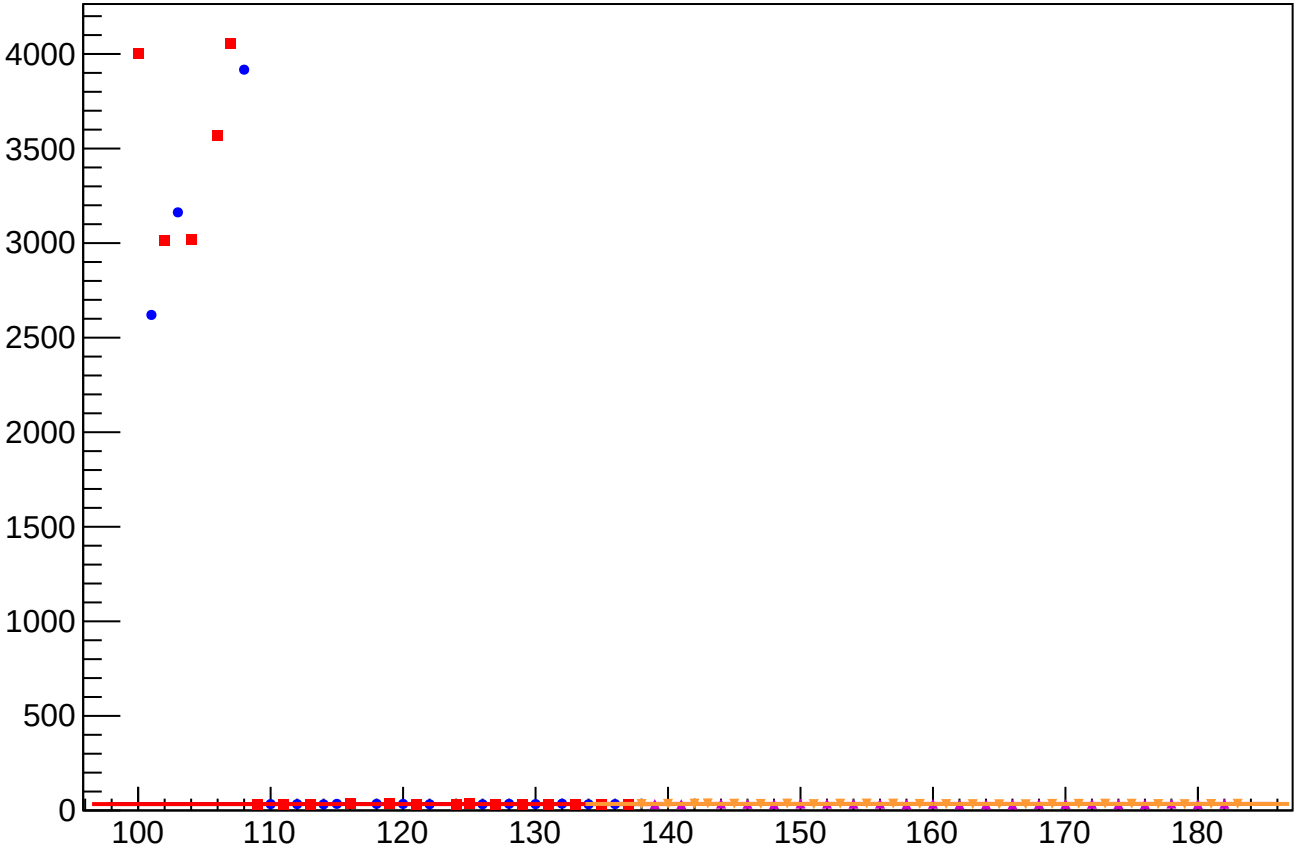
Left In: 3.520+/-8.148 χ^2/NDF:18.7/21

+ sign -15.435+/-6.906 χ^2/NDF: 42.7/39

All: -7.804+/-4.949 χ^2/NDF: 88.0/80

- sign 0.251+/-7.095 χ^2/NDF: 42.8/40

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.429+/-0.006 χ^2/NDF:44445.1/23

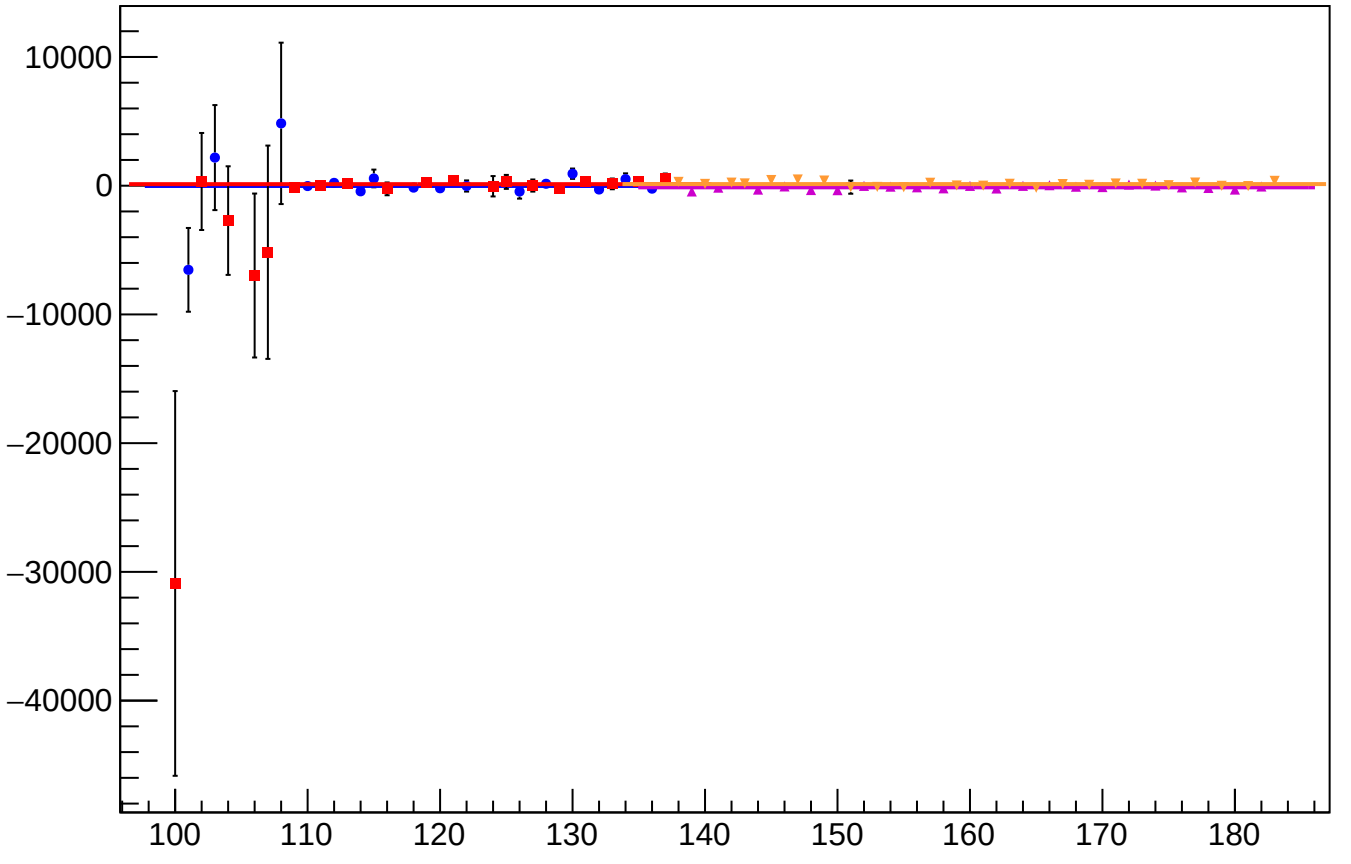
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.545+/-0.006 χ^2/NDF:59185.2/21

+ sign 34.305+/-0.005 χ^2/NDF: 3290927.6/39

All: 34.326+/-0.003 χ^2/NDF: 6881493.3/80

- sign 34.347+/-0.005 χ^2/NDF: 3590530.4/40



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 125.516+/-47.799 χ^2/NDF:11.6/23

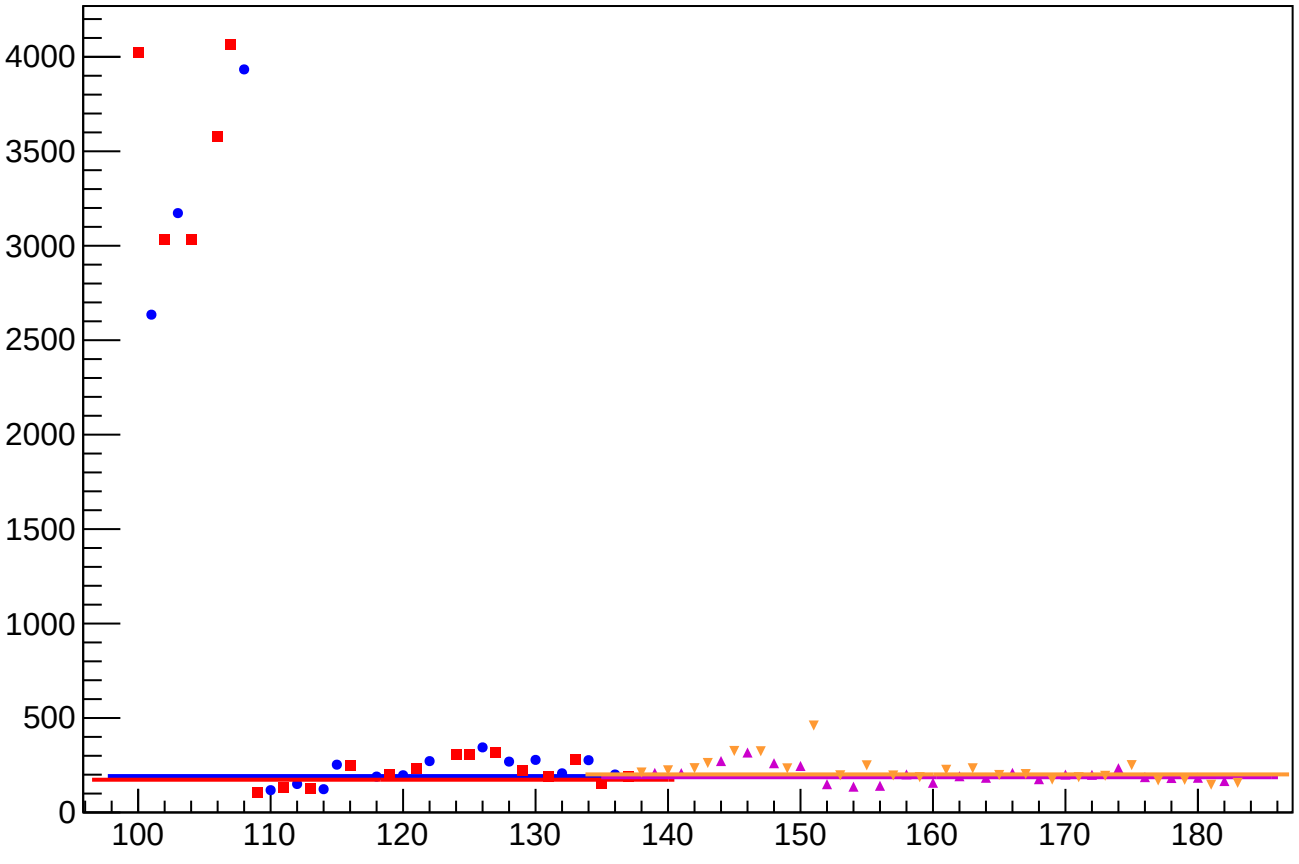
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -127.282+/-45.724 χ^2/NDF:7.6/21

+ sign 90.709+/-41.671 χ^2/NDF: 31.9/39

All: 8.910+/-28.669 χ^2/NDF: 67.5/80

- sign -64.605+/-39.504 χ^2/NDF: 28.3/40



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 201.455+/-0.034 χ^2/NDF:1833373.1/23

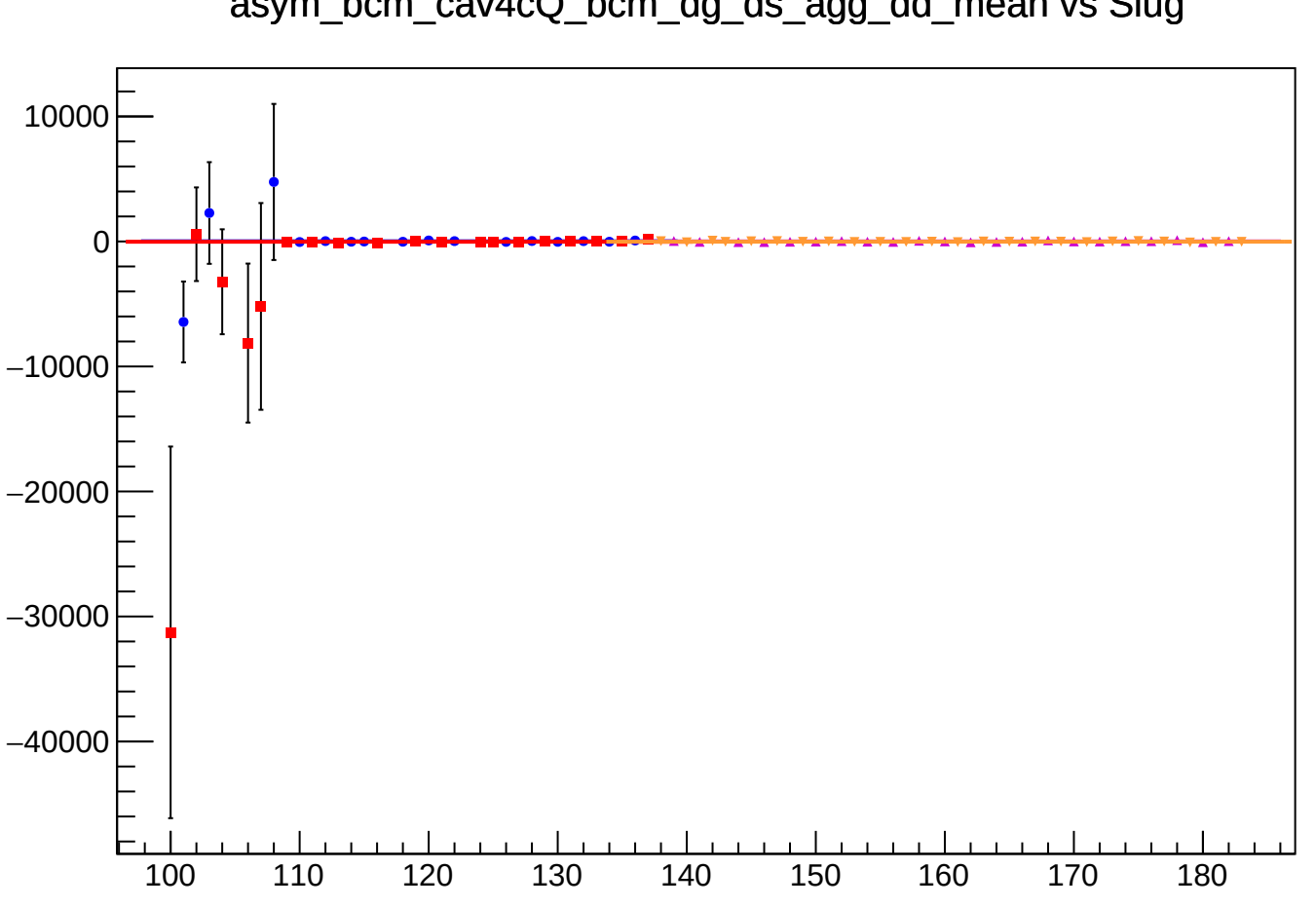
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 186.467+/-0.032 χ^2/NDF:1390679.8/21

+ sign 199.320+/-0.029 χ^2/NDF: 5672781.5/39

All: 190.786+/-0.020 χ^2/NDF: 11572541.7/80

- sign 183.116+/-0.028 χ^2/NDF: 5740476.0/40



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -17.698+/-7.181 χ^2/NDF:19.2/23

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

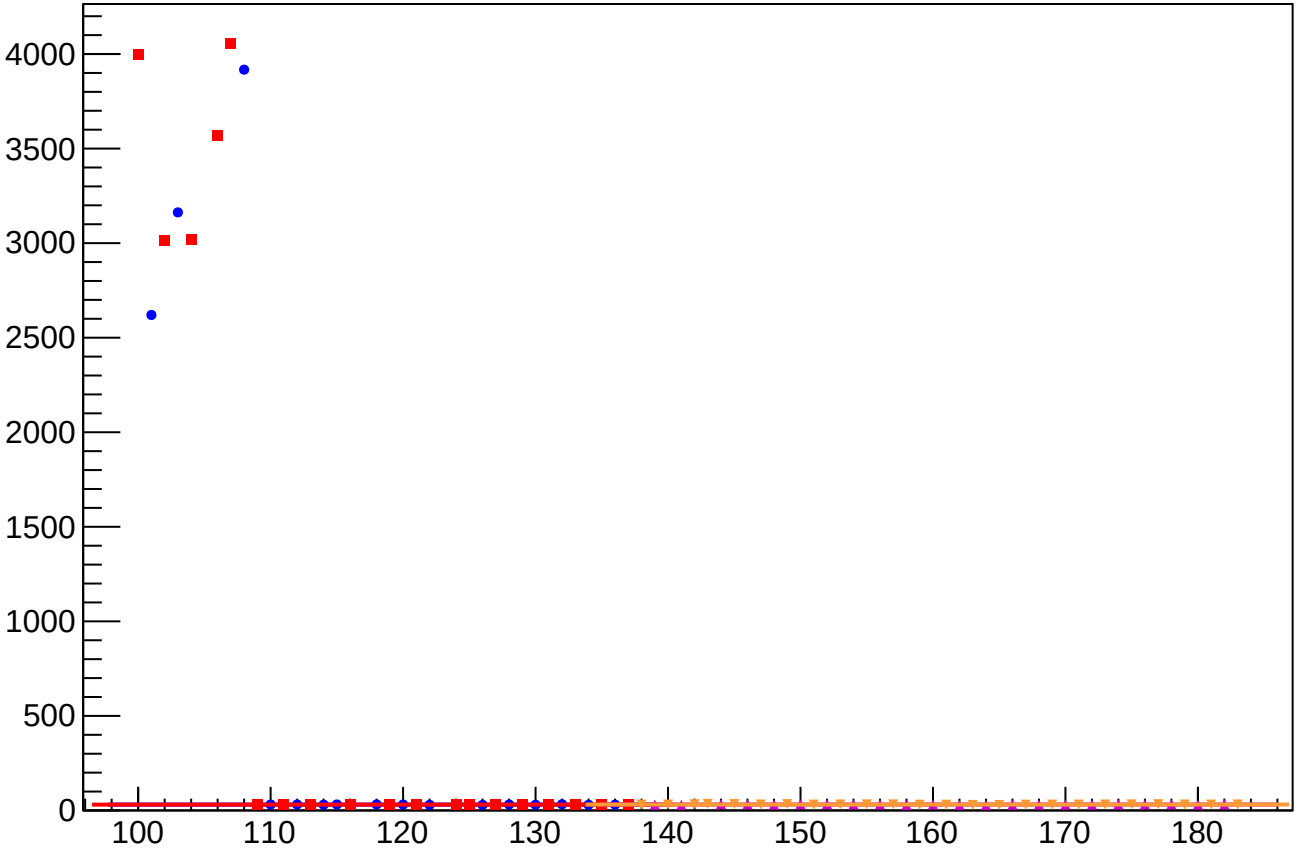
Left In: 2.824+/-7.407 χ^2/NDF:35.5/21

+ sign -10.407+/-6.293 χ^2/NDF: 39.1/39

All: -7.008+/-4.507 χ^2/NDF: 106.9/80

- sign -3.428+/-6.457 χ^2/NDF: 67.2/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.331+/-0.005 χ^2/NDF:62775.3/23

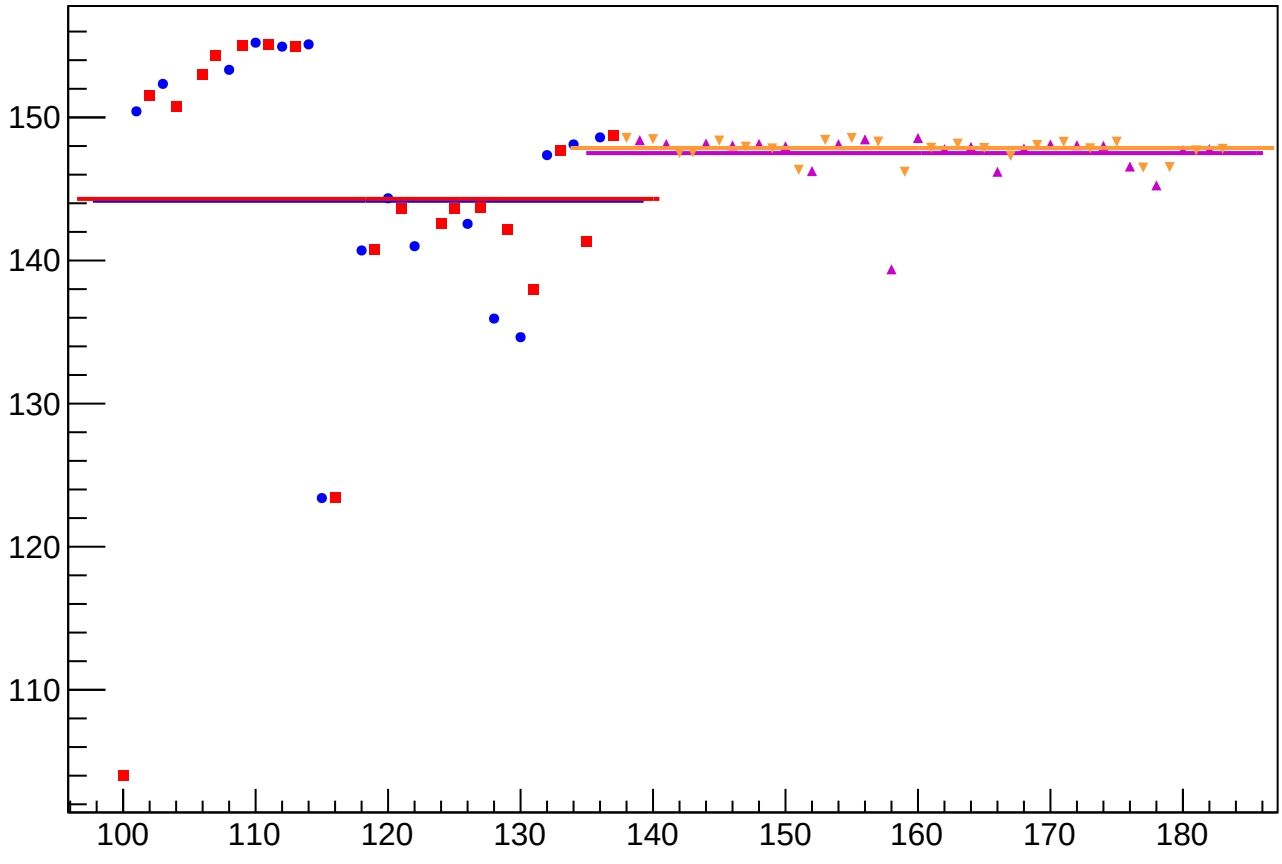
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.373+/-0.005 χ^2/NDF:85124.7/21

+ sign 31.237+/-0.004 χ^2/NDF: 3316841.3/39

All: 31.234+/-0.003 χ^2/NDF: 6941306.8/80

- sign 31.230+/-0.005 χ^2/NDF: 3624464.1/40



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.865+/-0.000 χ^2/NDF:44898278.6/23

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

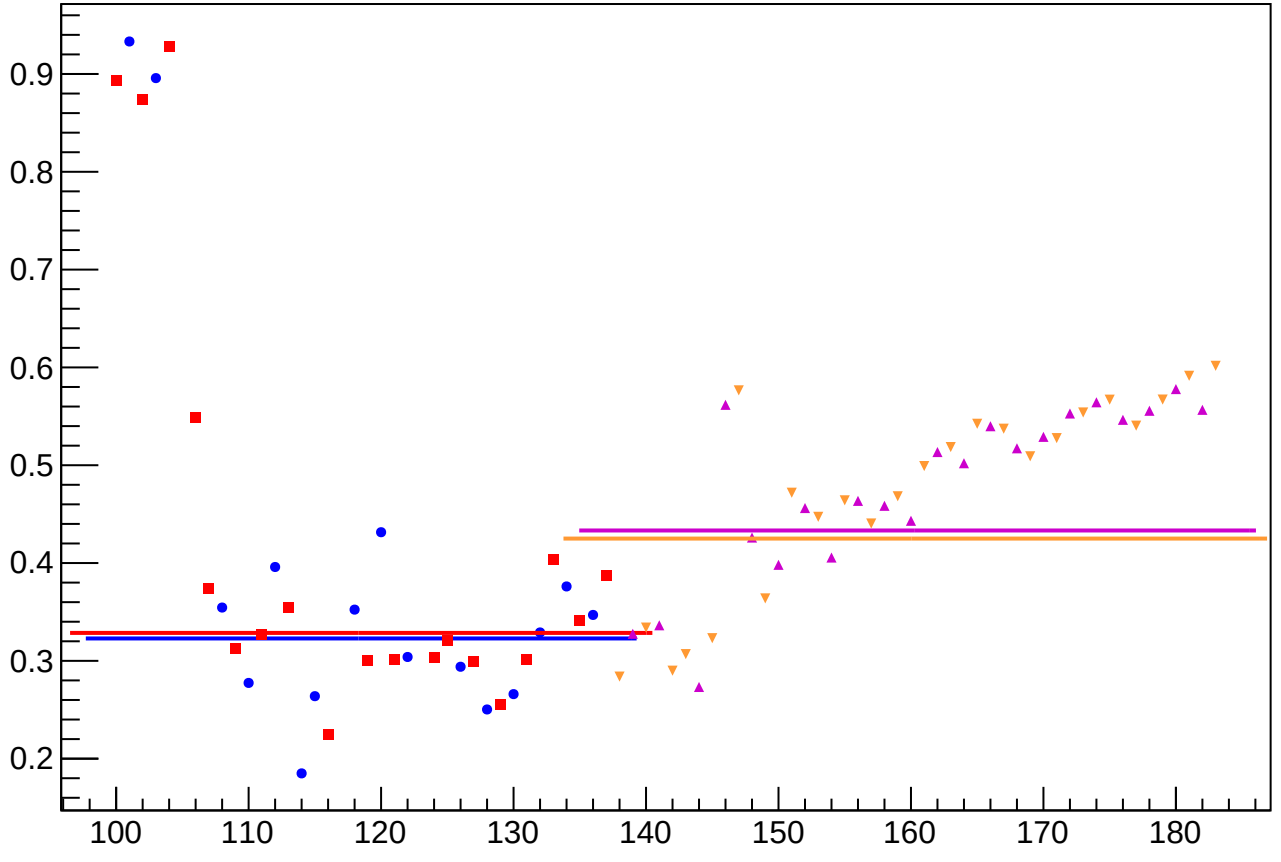
Left In: 147.509+/-0.000 χ^2/NDF:306370078.4/21

+ sign 146.493+/-0.000 χ^2/NDF: 4257530039.6/39

All: 146.380+/-0.000 χ^2/NDF: 9186315797.3

- sign 146.260+/-0.000 χ^2/NDF: 4924732670.2/40

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.425+/-0.000 χ^2/NDF:2199377.3/23

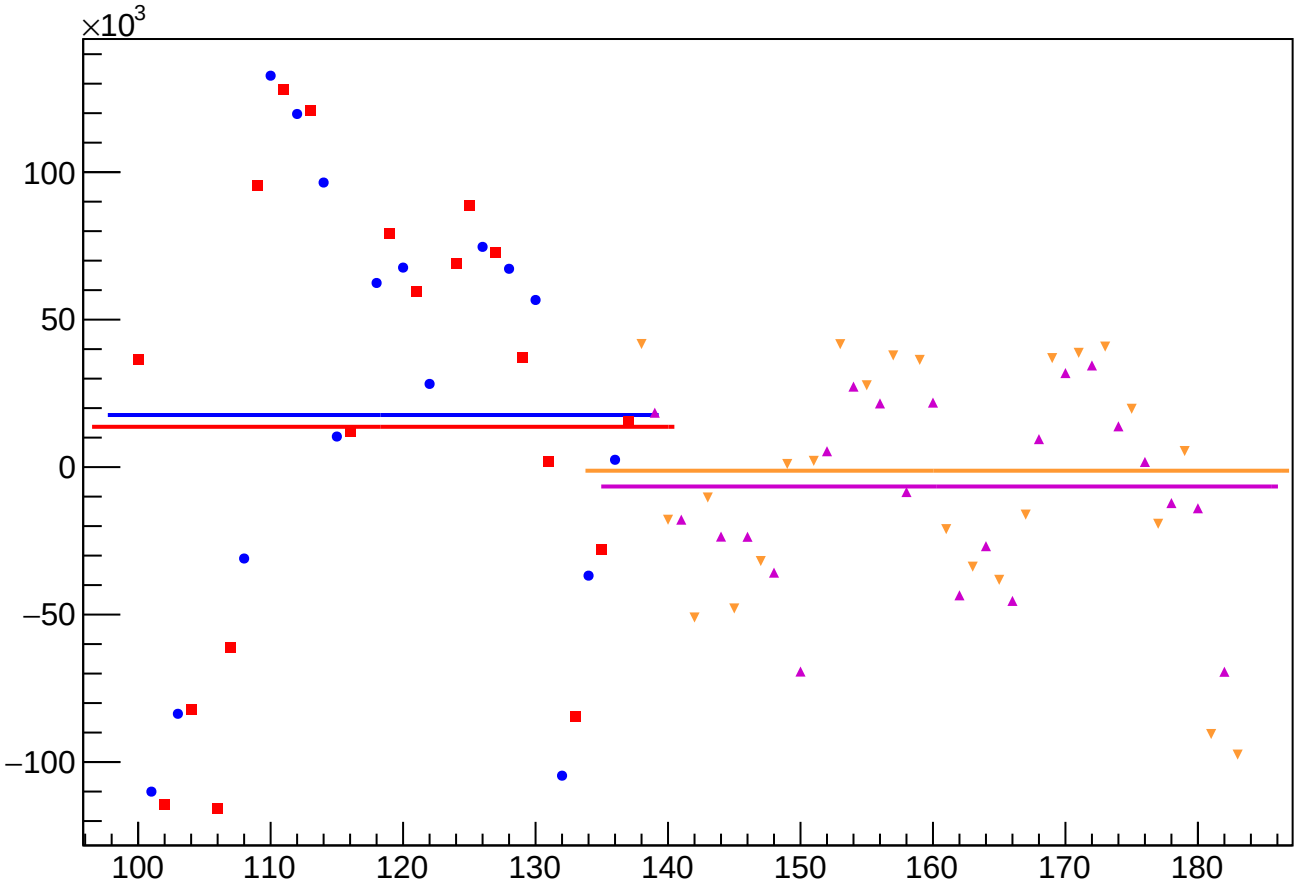
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.433+/-0.000 χ^2/NDF:1721222.7/21

+ sign 0.387+/-0.000 χ^2/NDF: 4343165.2/39

All: 0.390+/-0.000 χ^2/NDF: 8128868.7/80

- sign 0.392+/-0.000 χ^2/NDF: 3781279.2/40



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -1220.184+/-1.130 χ^2/NDF:1145465657.3/23

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

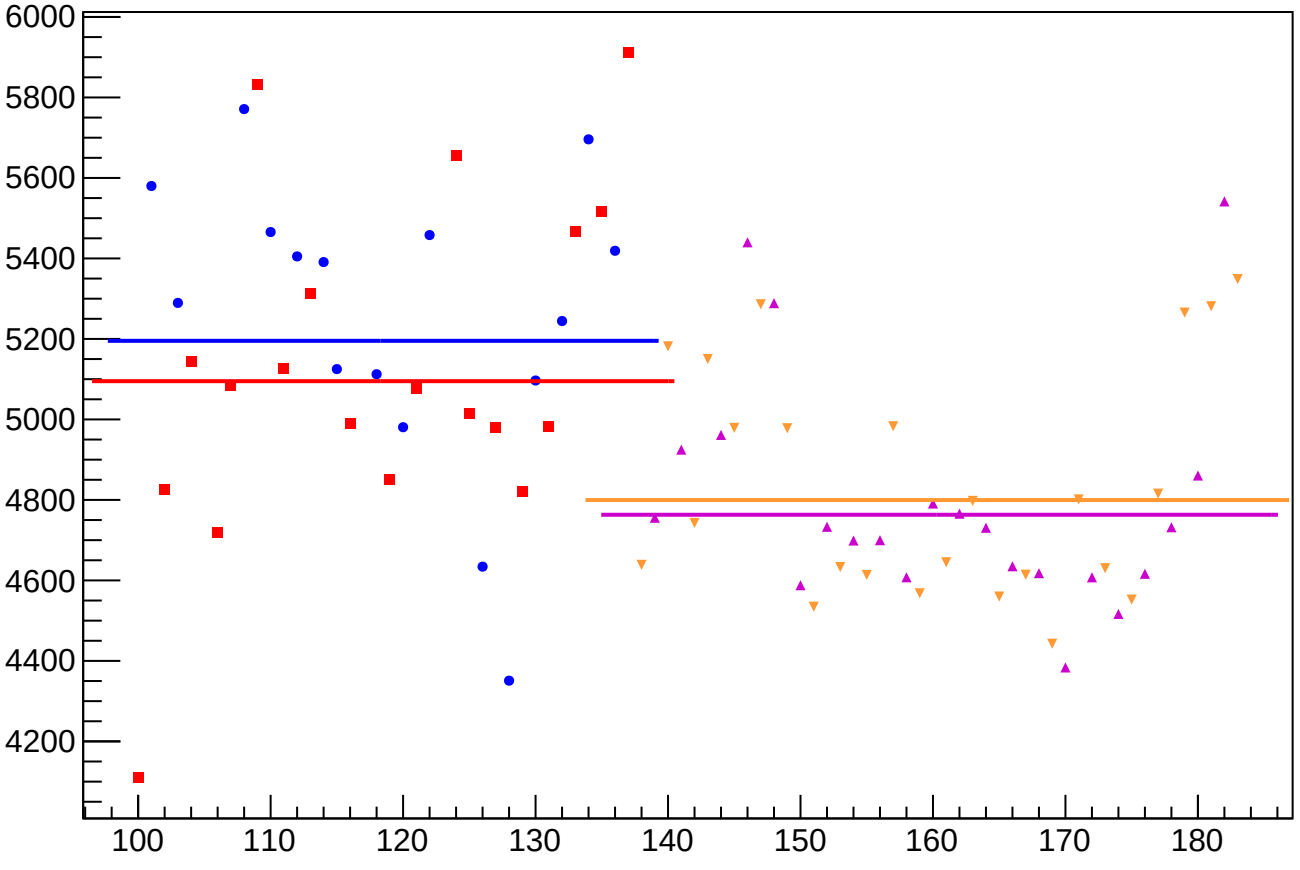
Left In: -6572.871+/-1.152 χ^2/NDF:675933957.4/21

+ sign 3329.643+/-0.984 χ^2/NDF: 2611503409.6/39

All: 1056.338+/-0.698 χ^2/NDF: 5236508469.

- sign -1235.774+/-0.988 χ^2/NDF: 2614295285.6/40

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4799.680+/-0.799 χ^2/NDF:113084.4/23

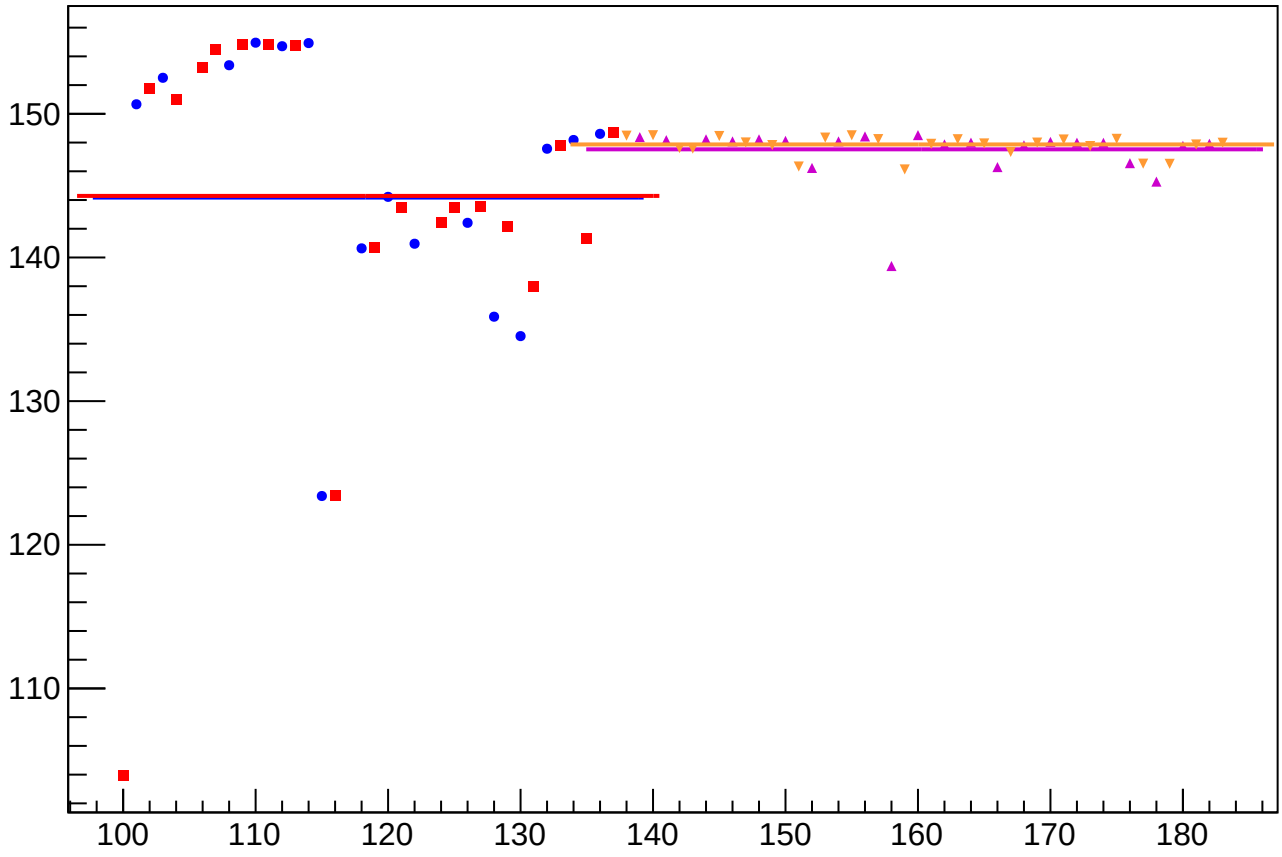
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4763.092+/-0.815 χ^2/NDF:99466.4/21

+ sign 4894.999+/-0.696 χ^2/NDF: 249325.5/39

All: 4872.905+/-0.493 χ^2/NDF: 453721.5/80

- sign 4850.629+/-0.699 χ^2/NDF: 202372.8/40



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.870+/-0.000 χ^2/NDF:44483263.1/23

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

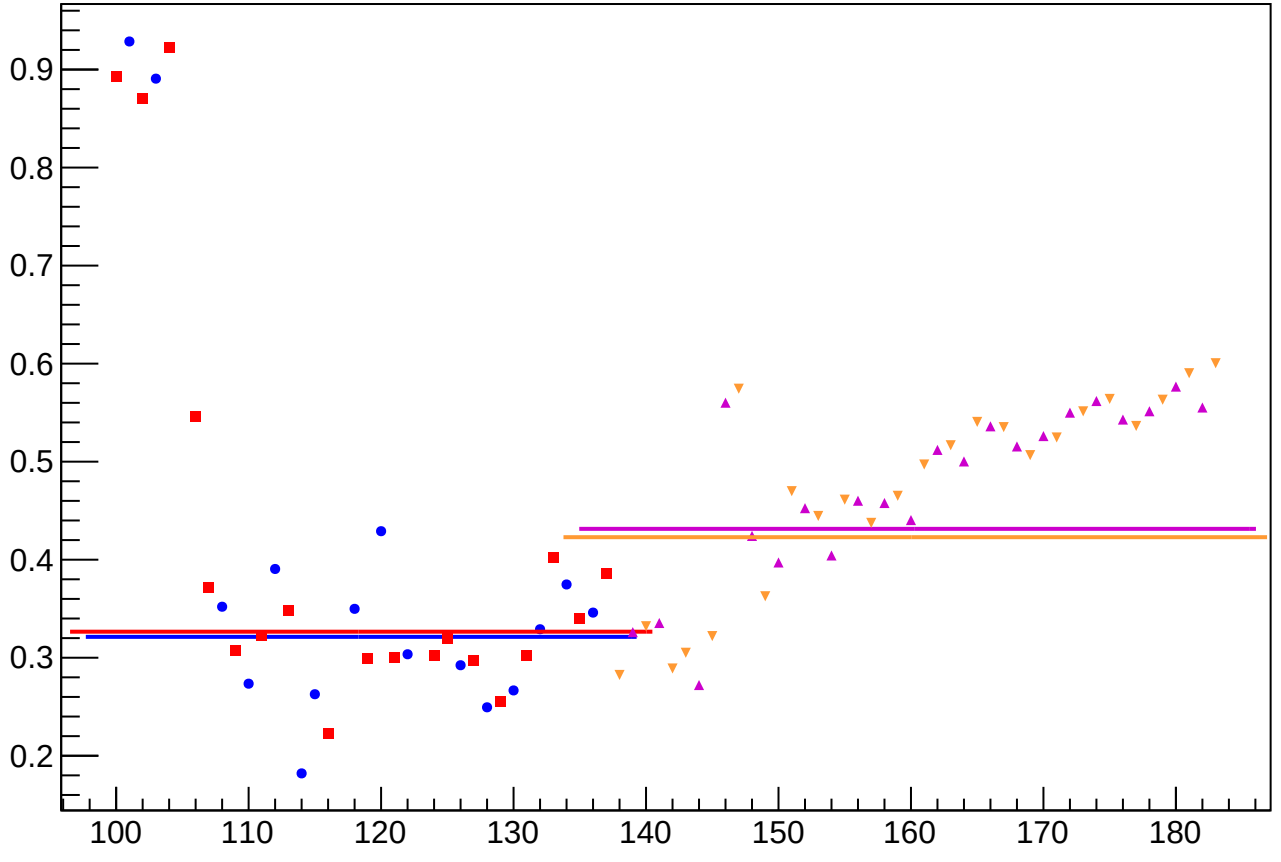
Left In: 147.528+/-0.000 χ^2/NDF:307003734.4/21

+ sign 146.494+/-0.000 χ^2/NDF: 4304445818.3/39

All: 146.382+/-0.000 χ^2/NDF: 9271732013.3

- sign 146.262+/-0.000 χ^2/NDF: 4963234217.8/40

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.423+/-0.000 χ^2/NDF:2200279.7/23

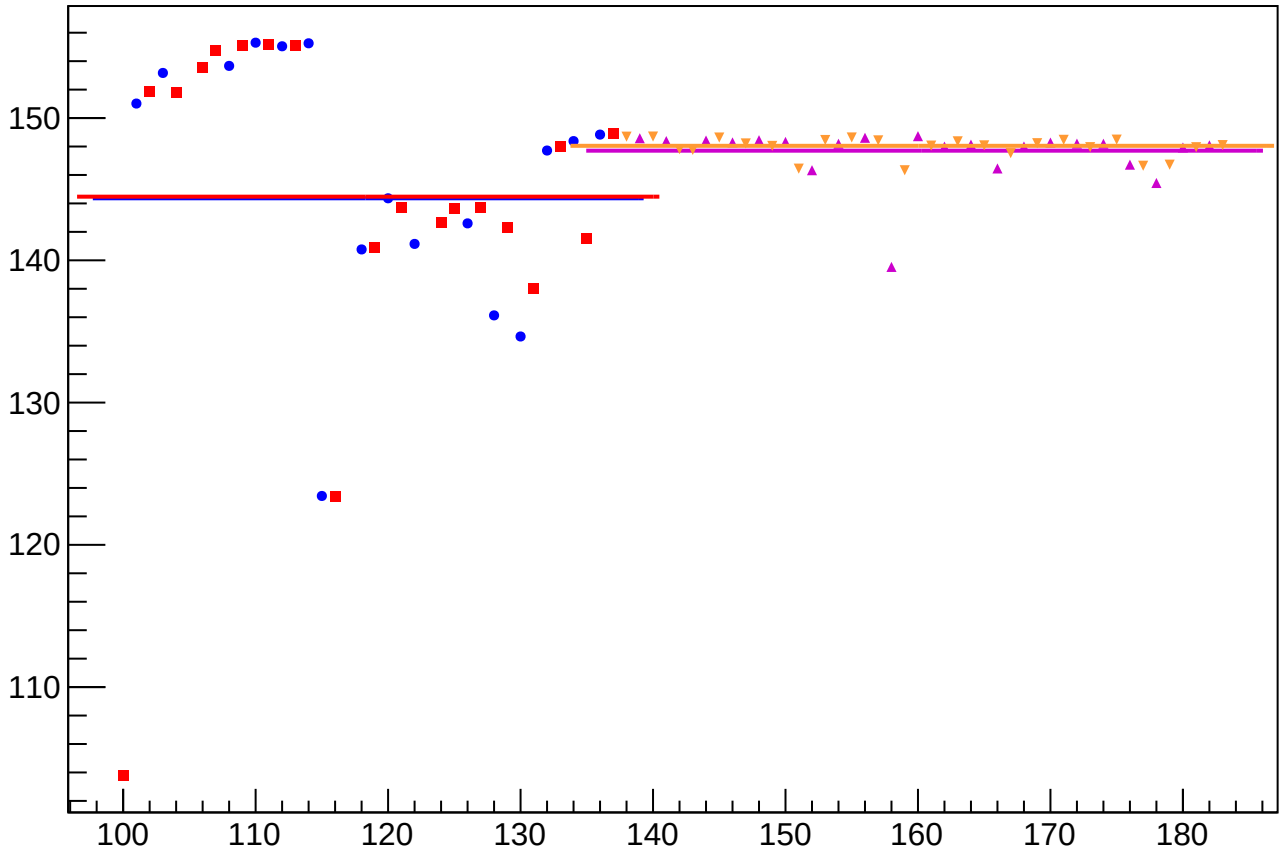
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.431+/-0.000 χ^2/NDF:1716934.0/21

+ sign 0.385+/-0.000 χ^2/NDF: 4344838.5/39

All: 0.388+/-0.000 χ^2/NDF: 8135390.2/80

- sign 0.391+/-0.000 χ^2/NDF: 3786224.2/40



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.050+/-0.000 χ^2/NDF:44901264.2/23

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

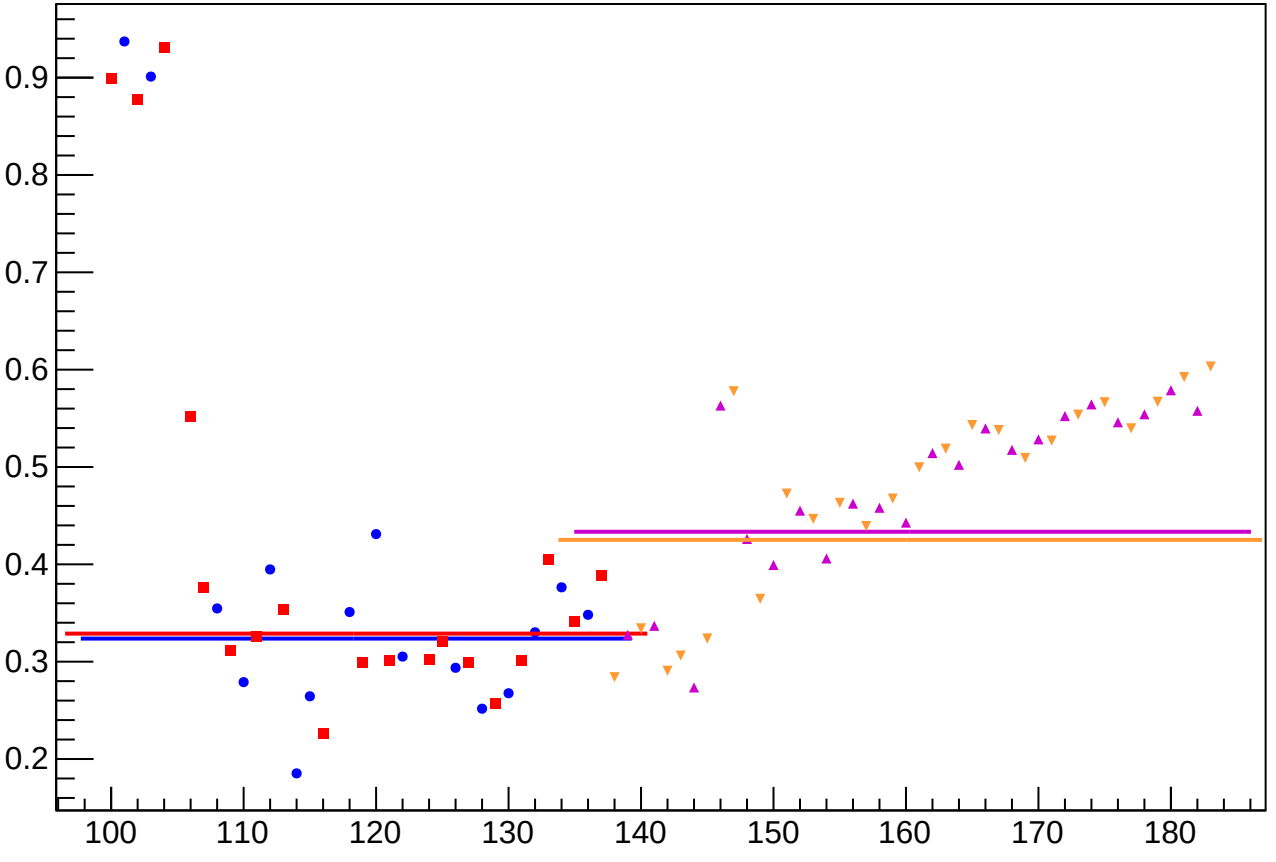
Left In: 147.707+/-0.000 χ^2/NDF:311733046.7/21

+ sign 146.681+/-0.000 χ^2/NDF: 4289850327.5/39

All: 146.568+/-0.000 χ^2/NDF: 9247255659.0

- sign 146.448+/-0.000 χ^2/NDF: 4953368607.7/40

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.425+/-0.000 χ^2/NDF:2197014.9/23

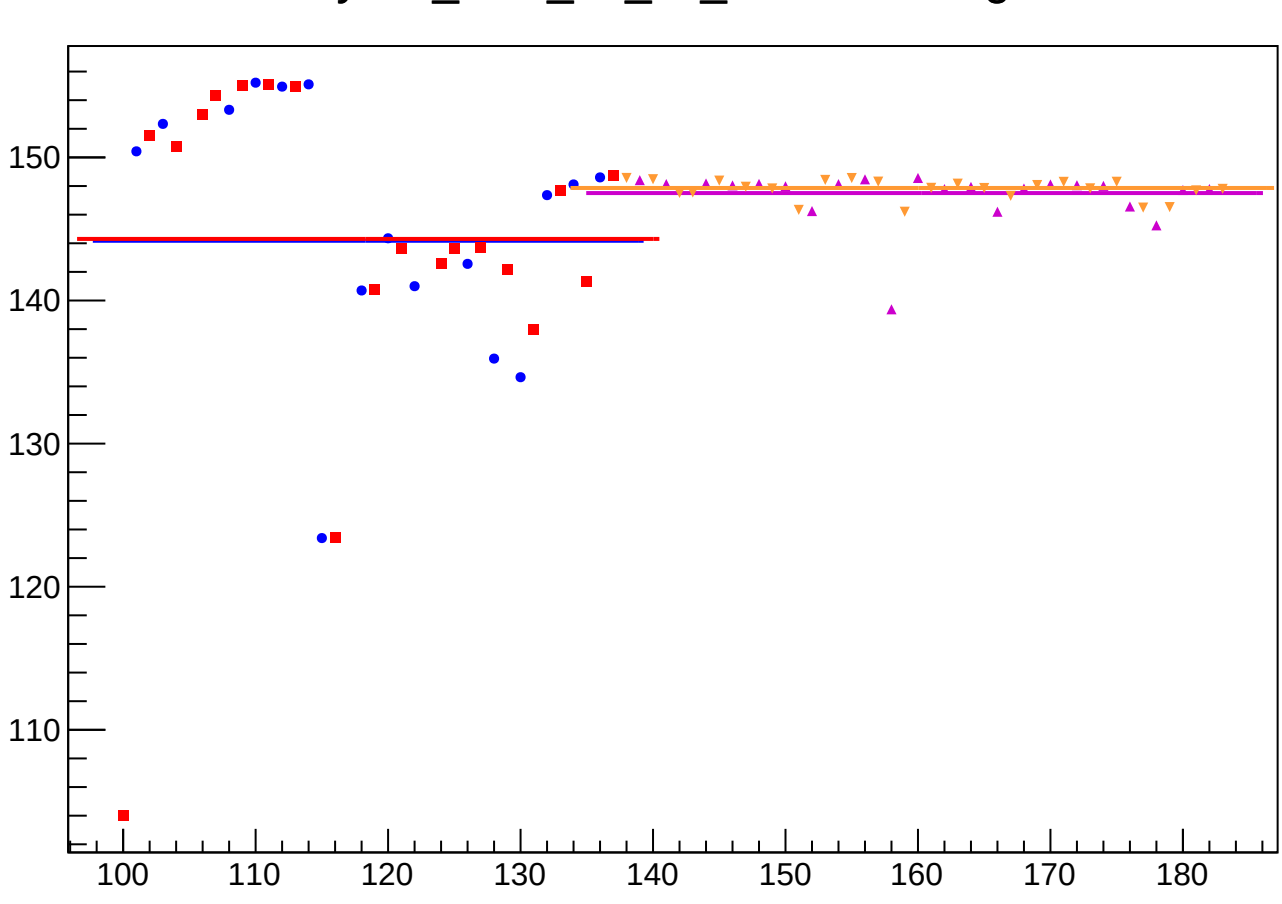
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.433+/-0.000 χ^2/NDF:1715590.3/21

\+ sign 0.388+/-0.000 χ^2/NDF: 4324668.6/39

All: 0.390+/-0.000 χ^2/NDF: 8101170.5/80

\- sign 0.393+/-0.000 χ^2/NDF: 3772483.9/40



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.865+/-0.000 χ^2/NDF:44898278.6/23

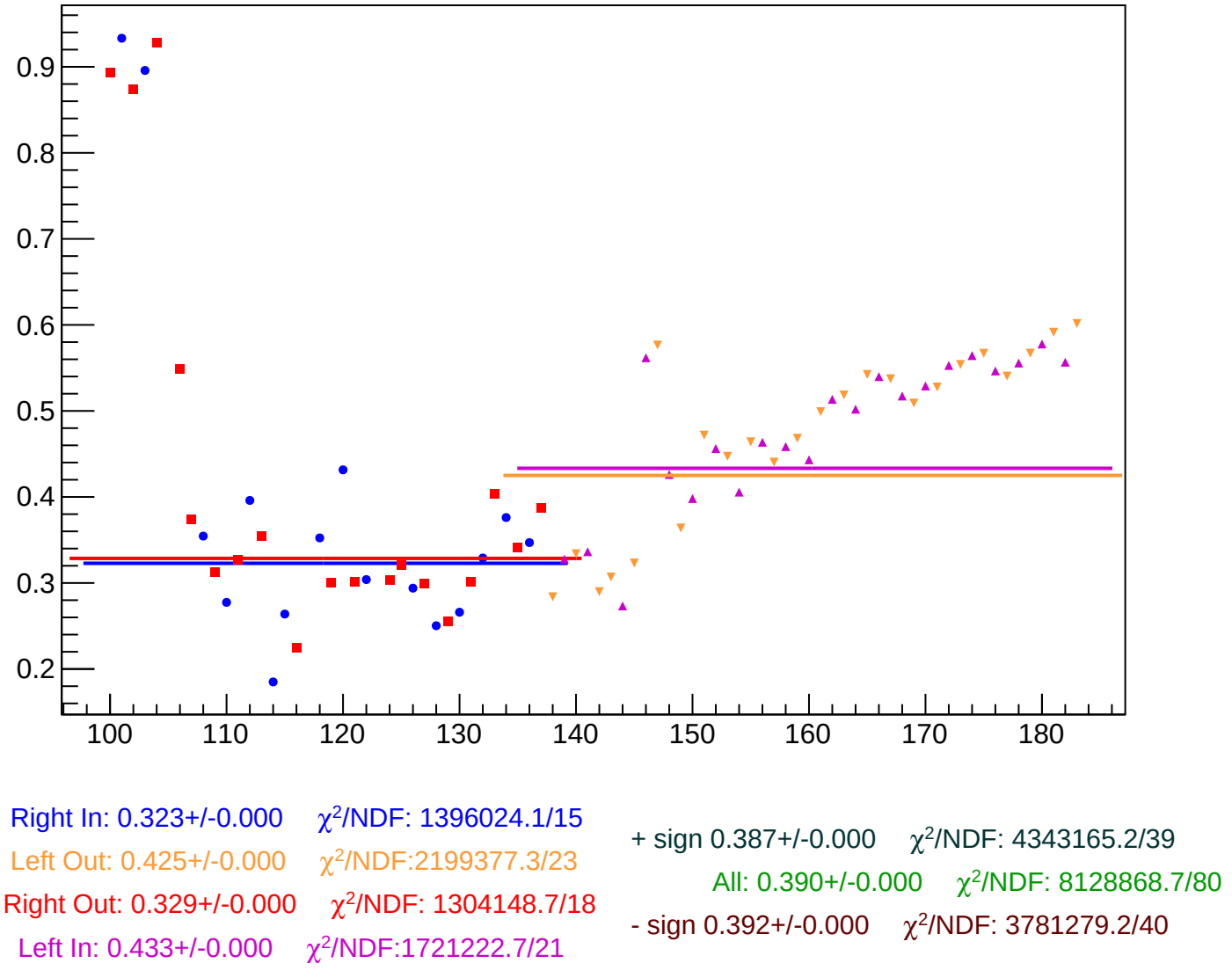
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

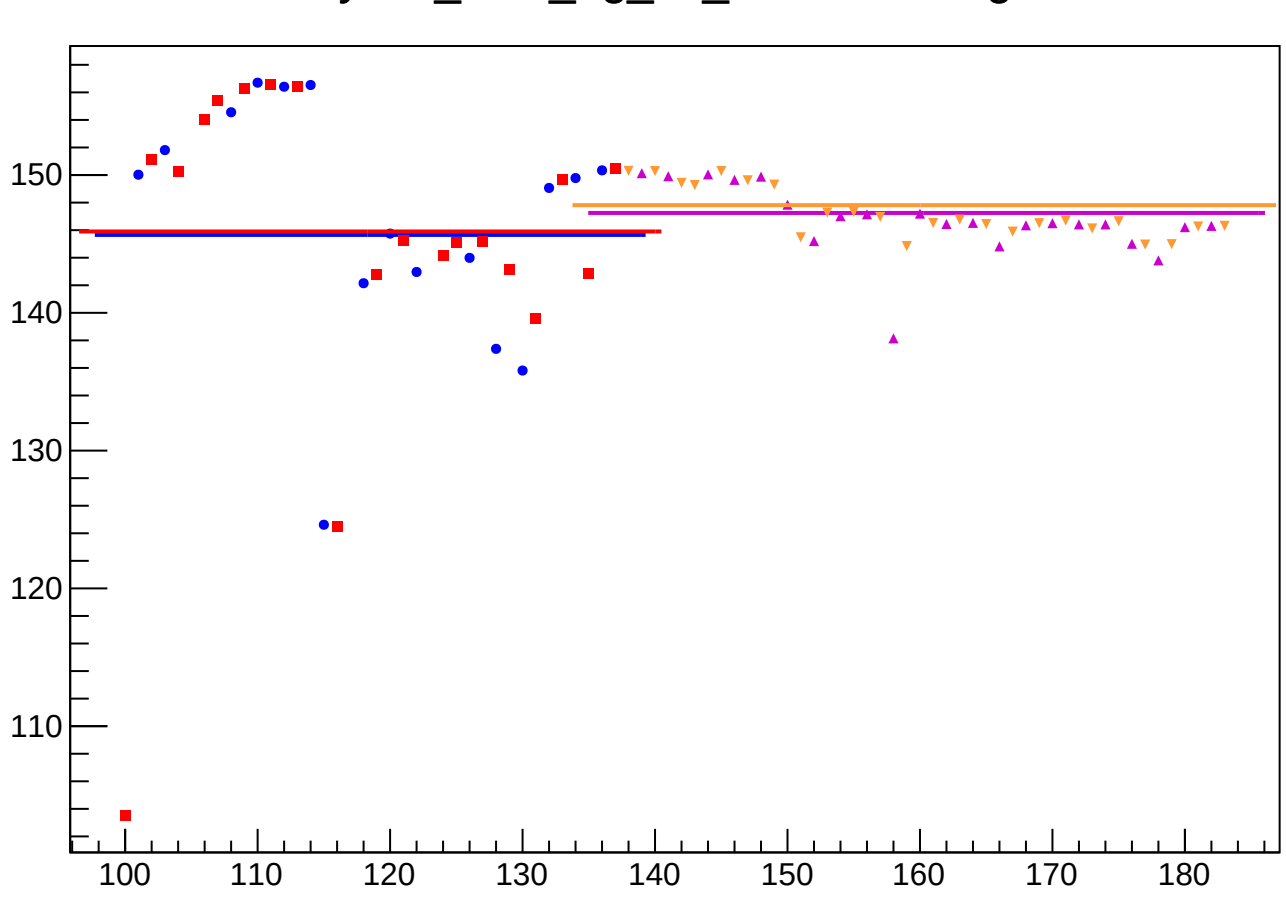
Left In: 147.509+/-0.000 χ^2/NDF:306370078.4/21

+ sign 146.493+/-0.000 χ^2/NDF: 4257530039.6/39

All: 146.380+/-0.000 χ^2/NDF: 9186315797.3

- sign 146.260+/-0.000 χ^2/NDF: 4924732670.2/40


yield_bcm_an_us_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.323+/-0.000 χ²/NDF: 1396024.1/15
Left Out: 0.425+/-0.000 χ²/NDF:2199377.3/23
Right Out: 0.329+/-0.000 χ²/NDF: 1304148.7/18
Left In: 0.433+/-0.000 χ²/NDF:1721222.7/21
+ sign 0.387+/-0.000 χ²/NDF: 4343165.2/39
All: 0.390+/-0.000 χ²/NDF: 8128868.7/80
- sign 0.392+/-0.000 χ²/NDF: 3781279.2/40



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.816+/-0.000 χ^2/NDF:325364018.1/23

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

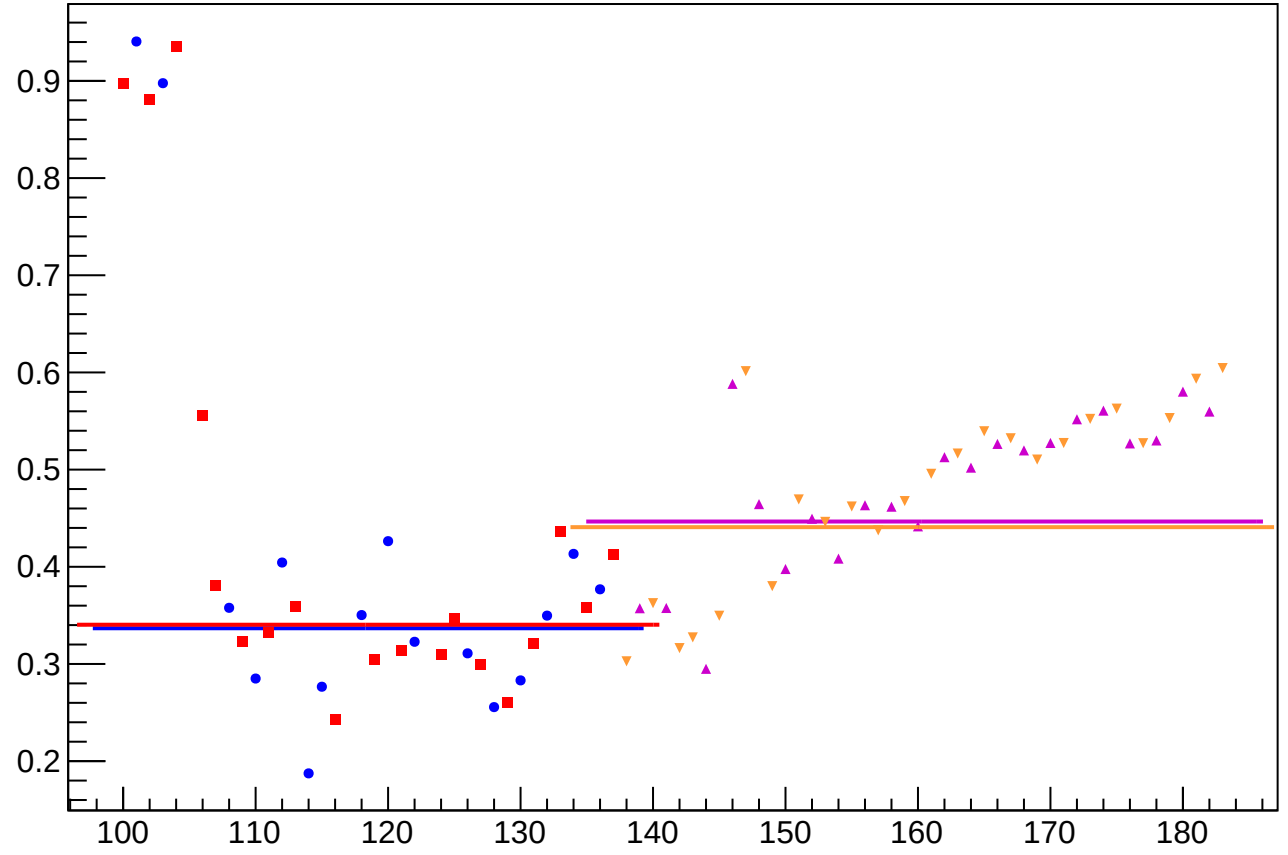
Left In: 147.250+/-0.000 χ^2/NDF:617939591.7/21

+ sign 147.025+/-0.000 χ^2/NDF: 3961800034.6/39

All: 146.882+/-0.000 χ^2/NDF: 8507321694.8

- sign 146.733+/-0.000 χ^2/NDF: 4539533003.2/40

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.441+/-0.000 χ^2/NDF:1652309.4/23

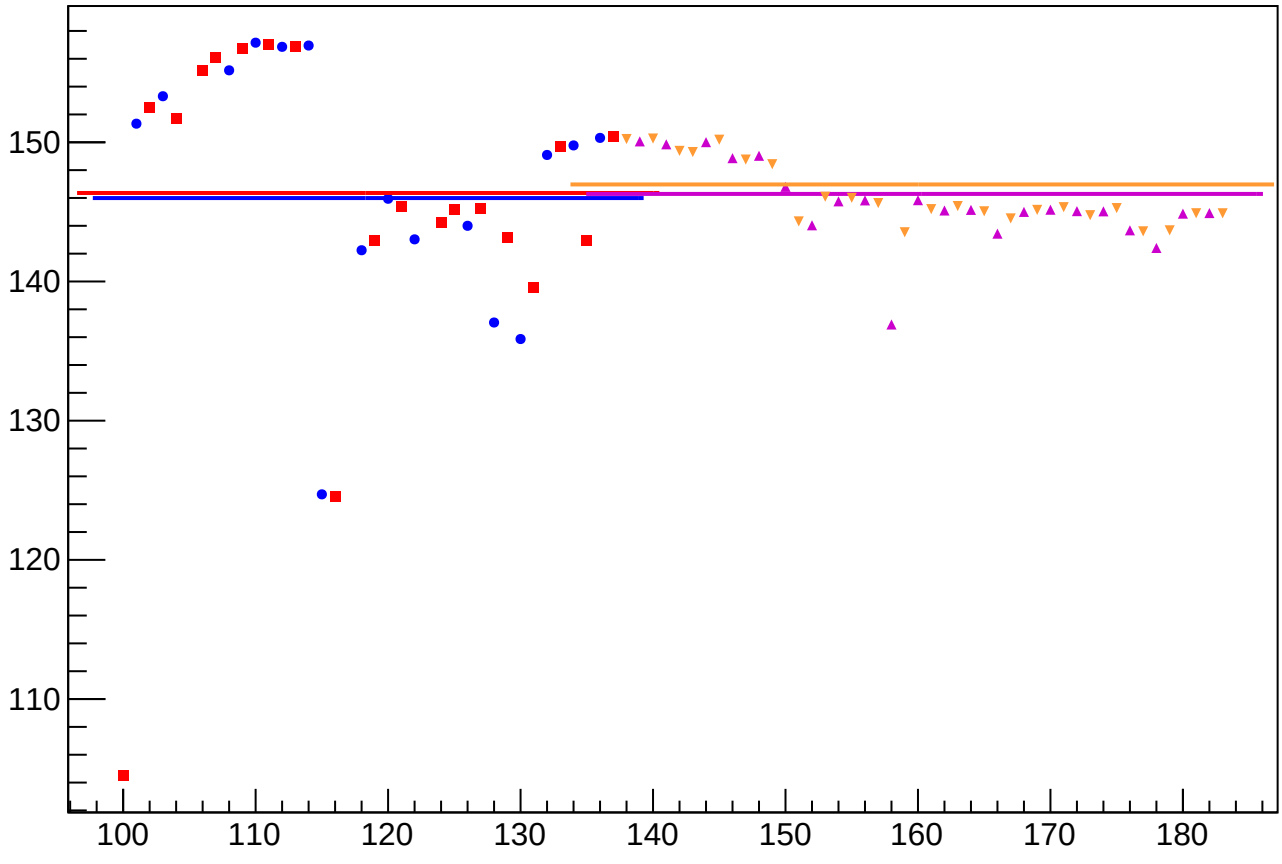
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.447+/-0.000 χ^2/NDF:1300608.0/21

+ sign 0.403+/-0.000 χ^2/NDF: 3742508.9/39

All: 0.404+/-0.000 χ^2/NDF: 7049565.7/80

- sign 0.406+/-0.000 χ^2/NDF: 3305720.6/40



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 146.971+/-0.000 χ^2/NDF:539693475.1/23

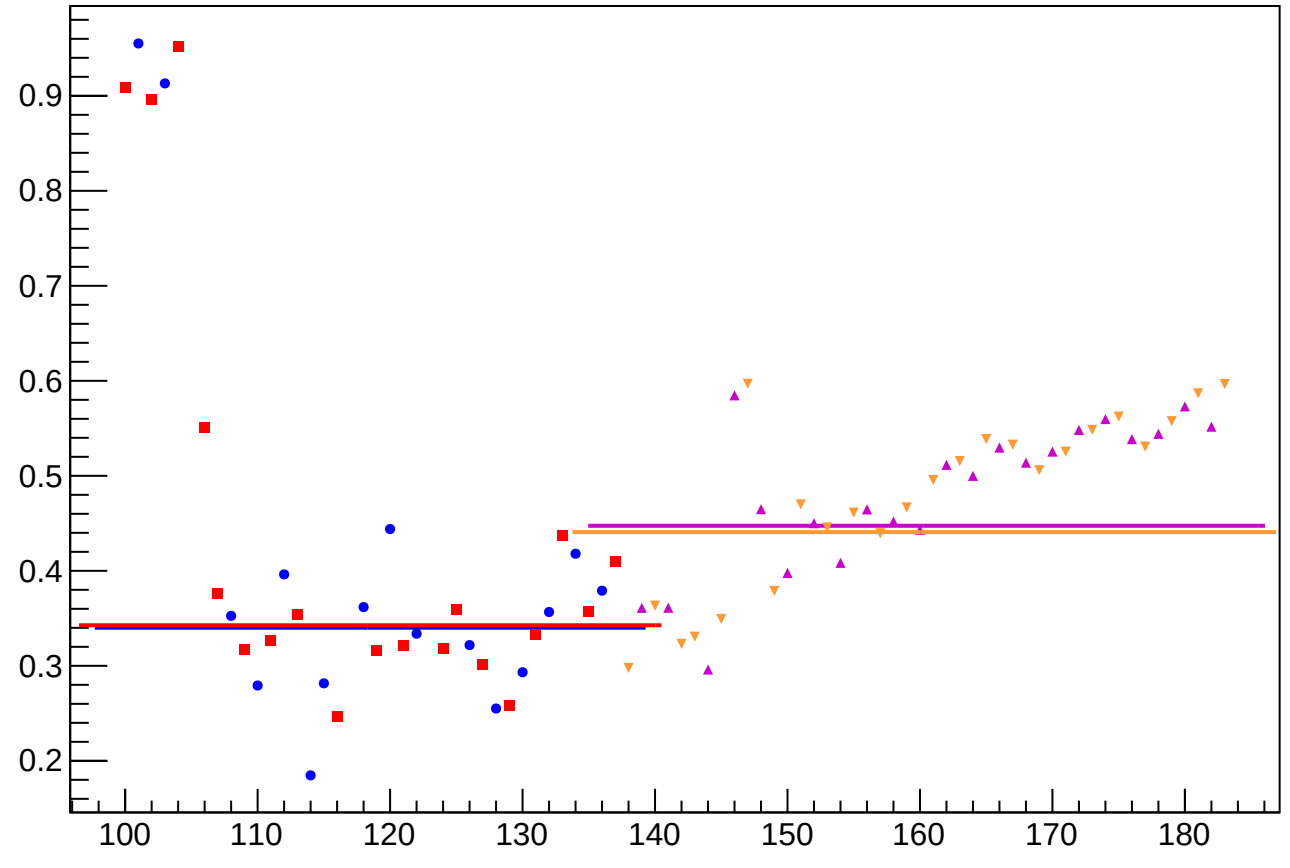
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.291+/-0.000 χ^2/NDF:823570090.6/21

+ sign 146.618+/-0.000 χ^2/NDF: 4192693545.0/39

All: 146.471+/-0.000 χ^2/NDF: 8985852476.2

- sign 146.317+/-0.000 χ^2/NDF: 4786838591.5/40



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.441+/-0.000 χ^2/NDF:1627269.7/23

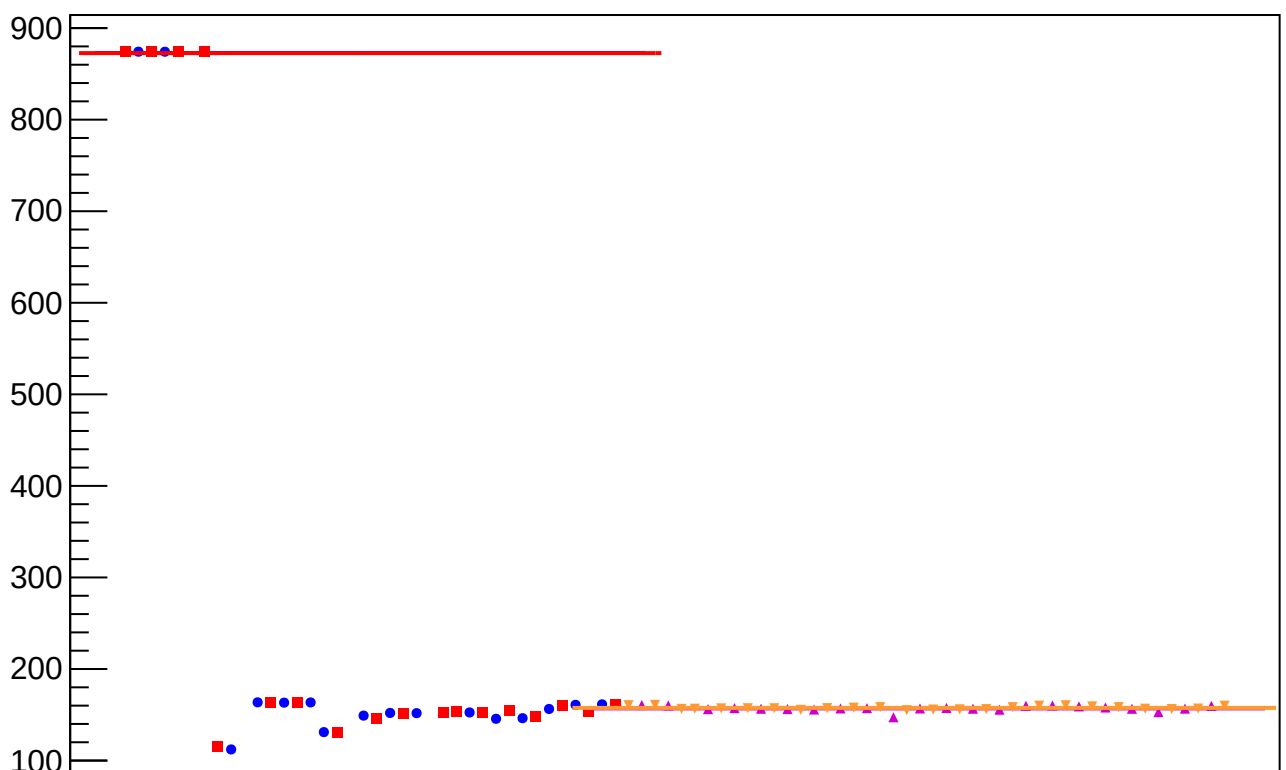
Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.447+/-0.000 χ^2/NDF:1256912.7/21

+ sign 0.404+/-0.000 χ^2/NDF: 3683380.0/39

All: 0.406+/-0.000 χ^2/NDF: 6914619.1/80

- sign 0.408+/-0.000 χ^2/NDF: 3229938.3/40



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.539+/-0.000 χ^2/NDF:102711308.5/23

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

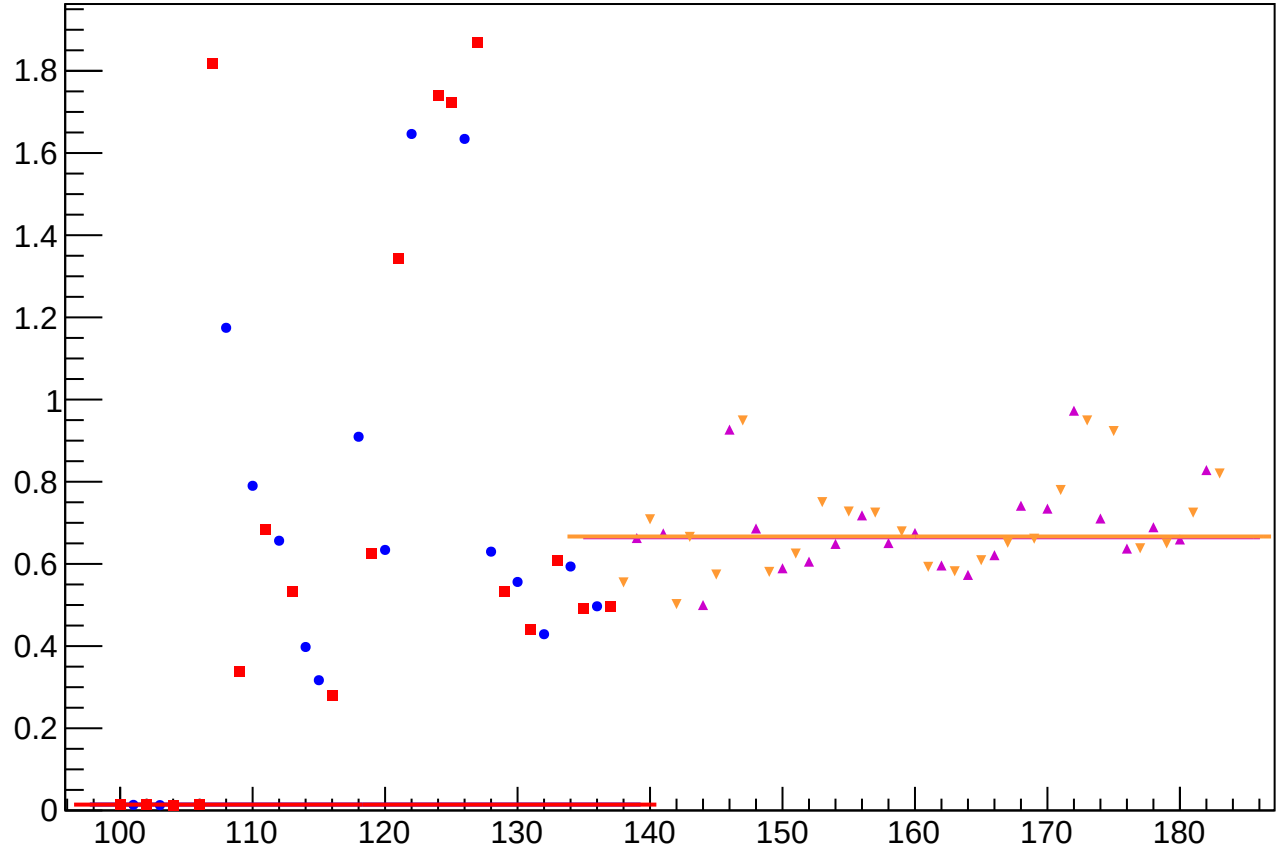
Left In: 156.971+/-0.000 χ^2/NDF:235947617.5/21

+ sign 869.480+/-0.000 χ^2/NDF: 24223853399967.

All: 869.706+/-0.000 χ^2/NDF: 496889017313

- sign 869.902+/-0.000 χ^2/NDF: 25464365500228.3

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.667+/-0.000 χ^2/NDF:673458.6/23

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

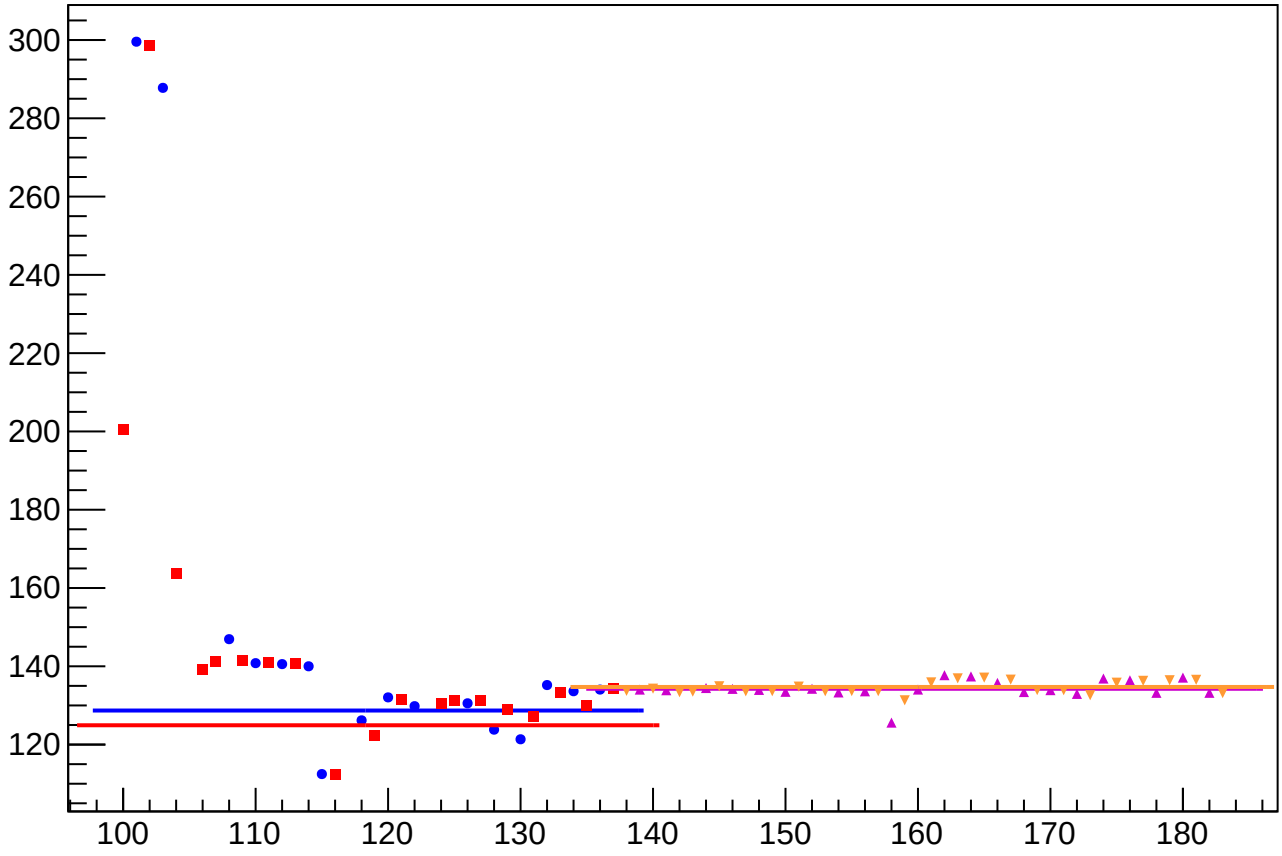
Left In: 0.665+/-0.000 χ^2/NDF:524342.4/21

+ sign 0.017+/-0.000 χ^2/NDF: 38628322.0/39

All: 0.017+/-0.000 χ^2/NDF: 75498894.6/80

- sign 0.017+/-0.000 χ^2/NDF: 36867158.6/40

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.720+/-0.000 χ^2/NDF:159192391.9/23

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

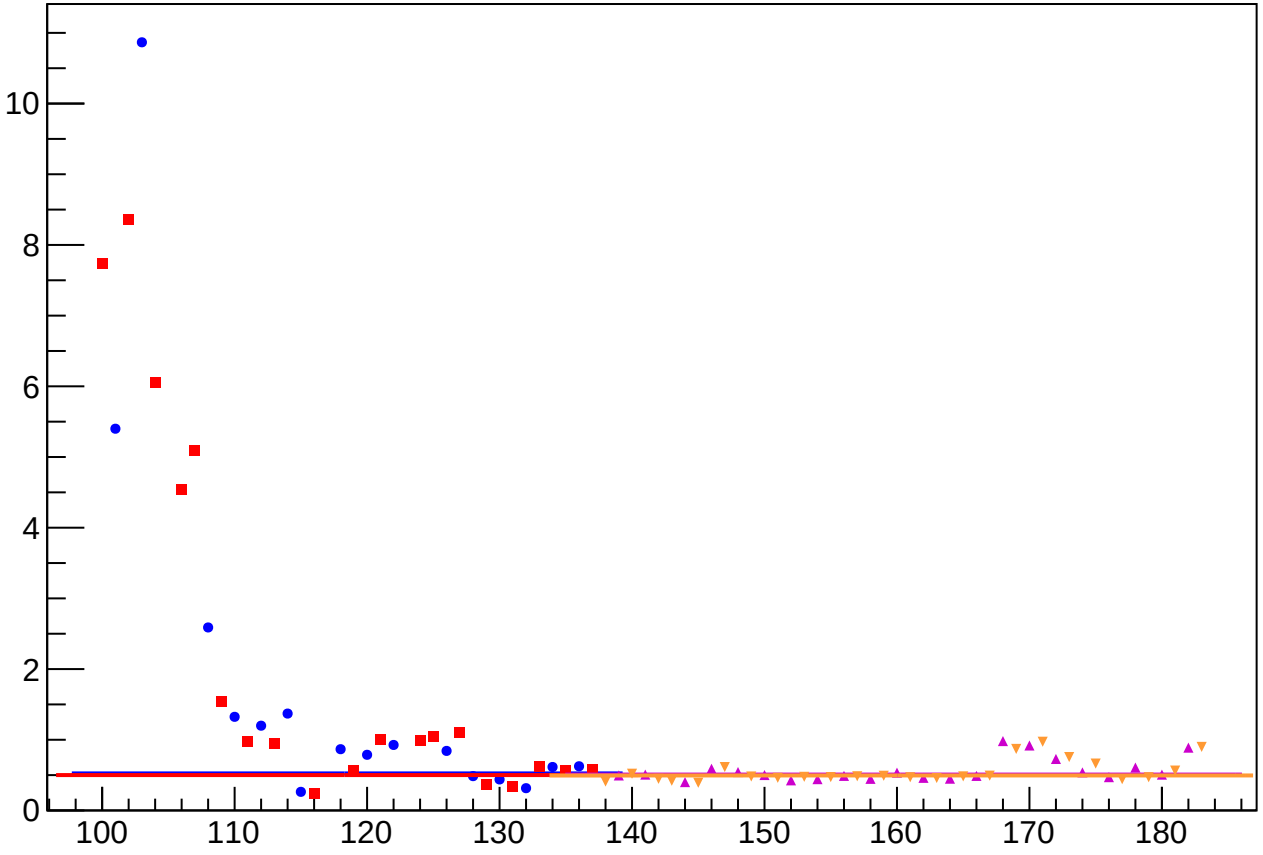
Left In: 134.256+/-0.000 χ^2/NDF:441061673.3/21

+ sign 133.715+/-0.000 χ^2/NDF: 2218740012.7/39

All: 133.127+/-0.000 χ^2/NDF: 5103517883.2

- sign 132.493+/-0.000 χ^2/NDF: 2827322282.2/40

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.495+/-0.000 χ^2/NDF:1462400.1/23

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

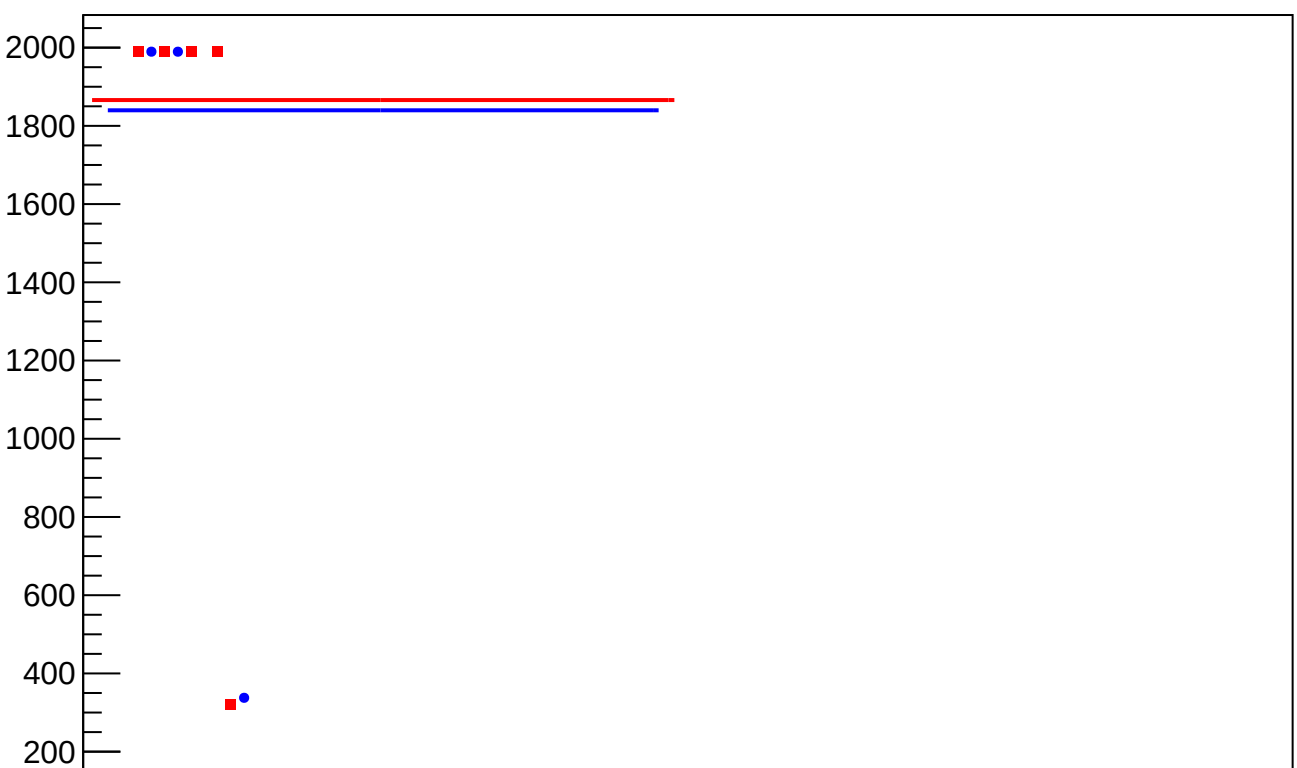
Left In: 0.508+/-0.000 χ^2/NDF:1386121.2/21

+ sign 0.500+/-0.000 χ^2/NDF: 5619293.0/39

All: 0.503+/-0.000 χ^2/NDF: 11893692.5/80

- sign 0.506+/-0.000 χ^2/NDF: 6271404.3/40

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.579+/-0.000 χ^2/NDF:64099118.1/23

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

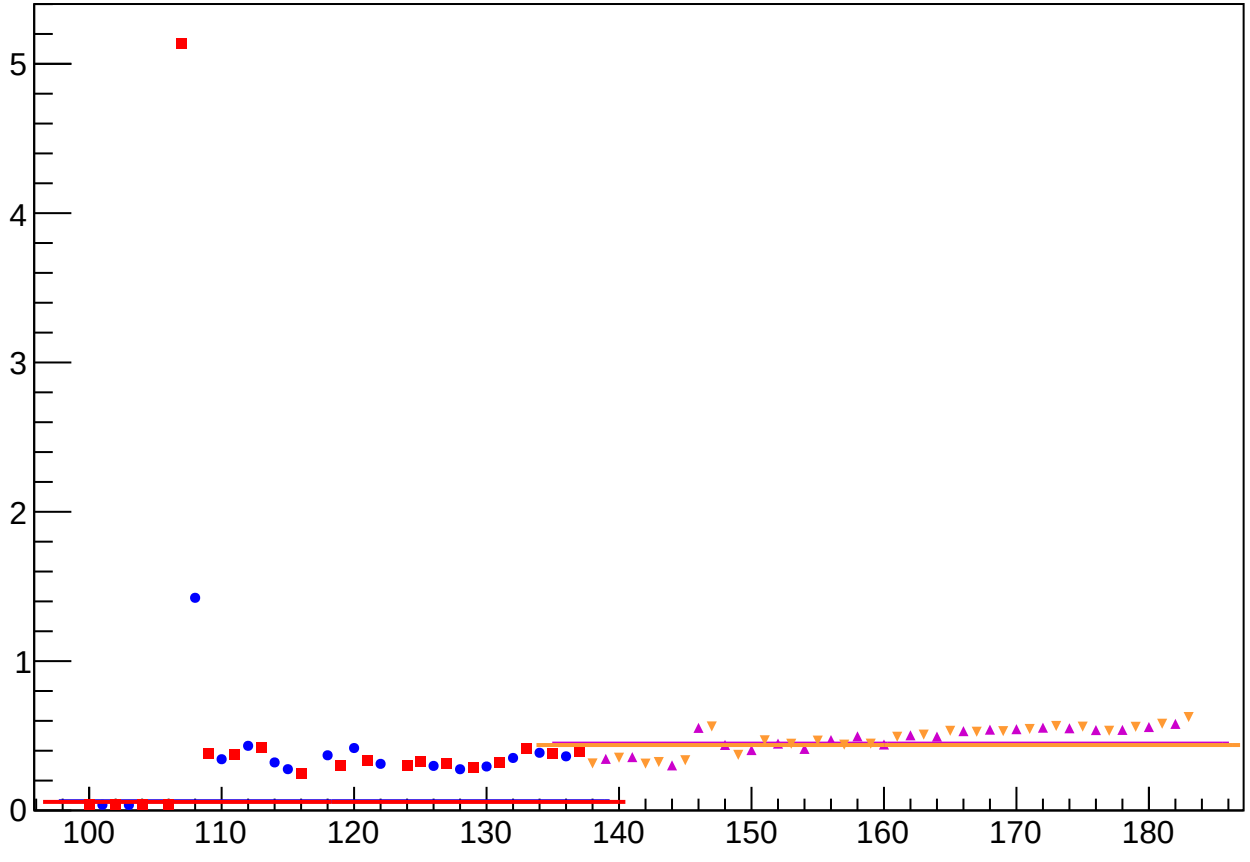
Left In: 137.347+/-0.000 χ^2/NDF:248701646.1/21

+ sign 1602.752+/-0.000 χ^2/NDF: 3760276929758

All: 1639.492+/-0.000 χ^2/NDF: 7438291681

- sign 1671.945+/-0.000 χ^2/NDF: 36611706275143

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.438+/-0.000 χ^2/NDF:1705600.9/23

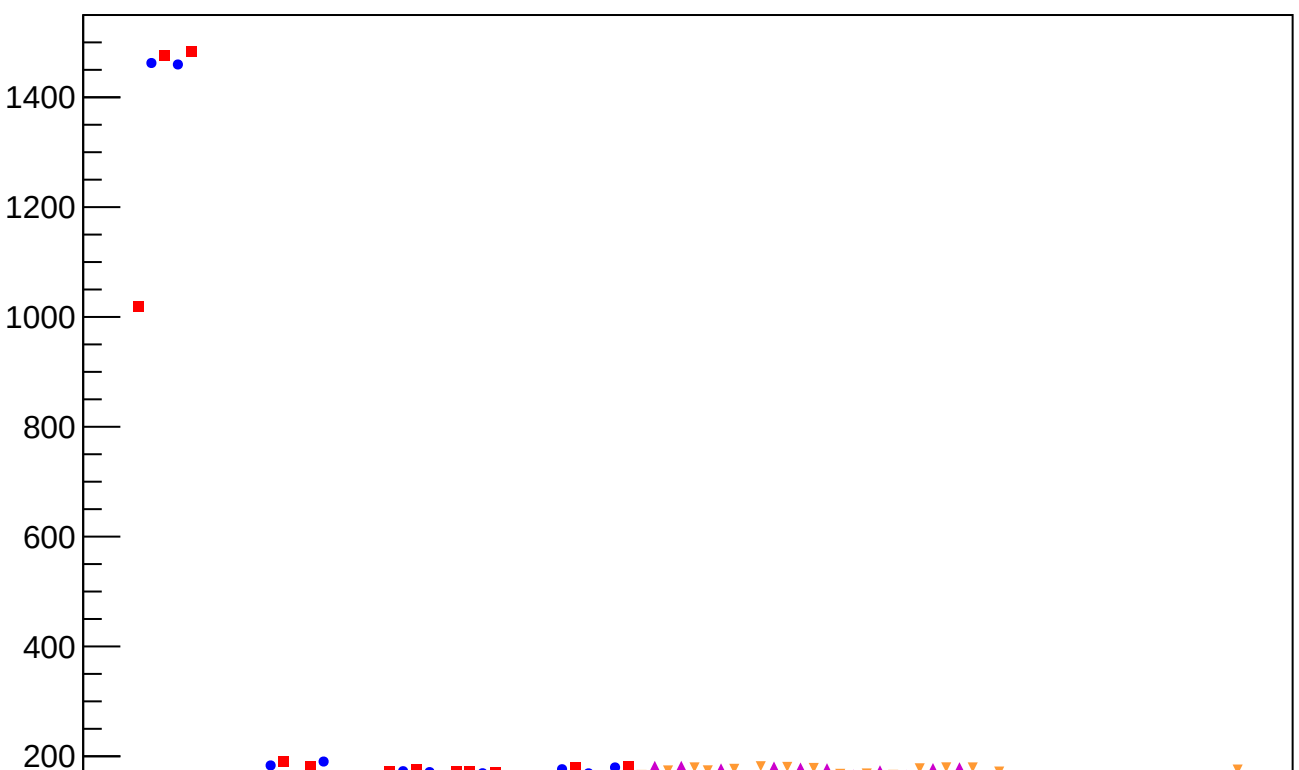
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.448+/-0.000 χ^2/NDF:1285998.2/21

+ sign 0.114+/-0.000 χ^2/NDF: 32377496.1/39

All: 0.107+/-0.000 χ^2/NDF: 64304521.4/80

- sign 0.101+/-0.000 χ^2/NDF: 31806664.7/40



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 161.086+/-0.000 χ^2/NDF:3708493848.4/23

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

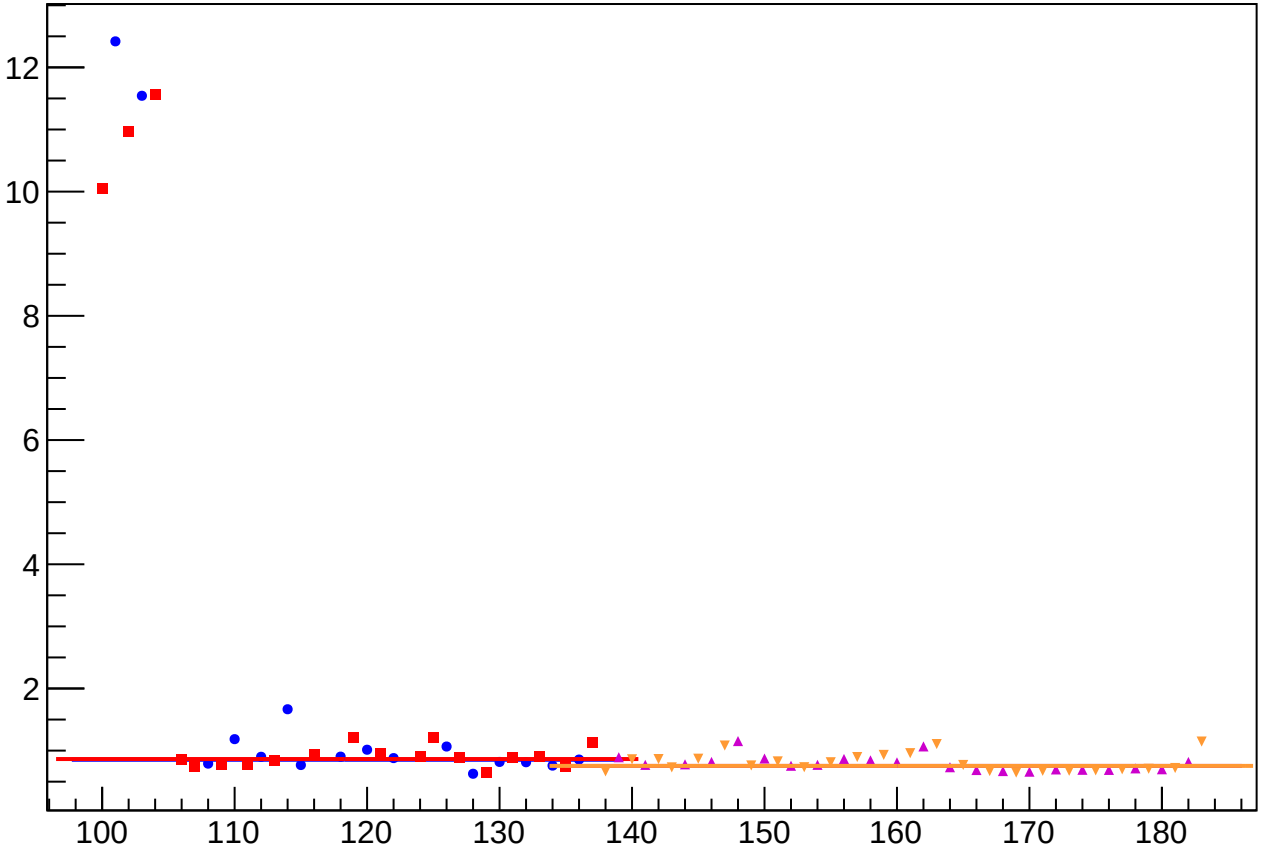
Left In: 160.064+/-0.000 χ^2/NDF:3721854702.6/21

+ sign 162.142+/-0.000 χ^2/NDF: 18476556974.4/39

All: 161.974+/-0.000 χ^2/NDF: 38891165009.

- sign 161.801+/-0.000 χ^2/NDF: 20412897640.7/40

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.754+/-0.000 χ^2/NDF:657408.3/23

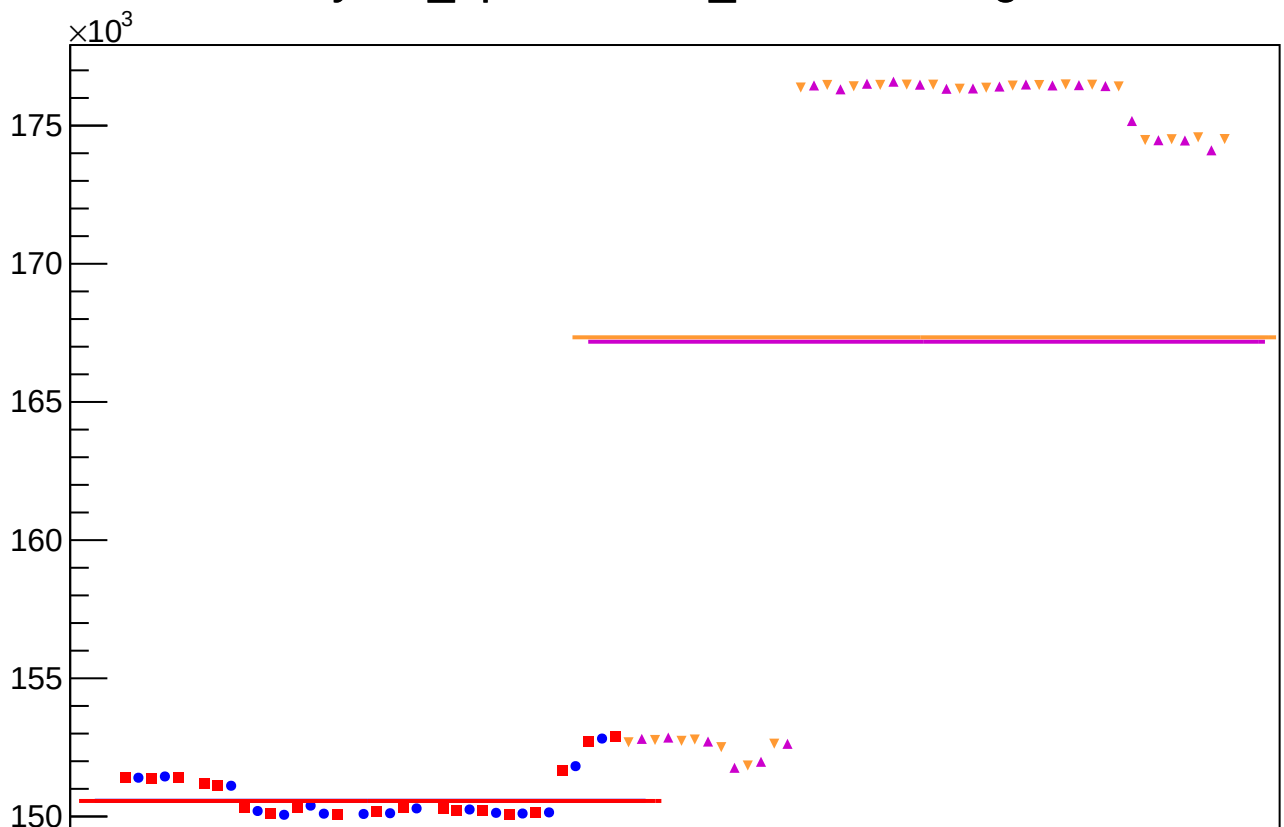
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.753+/-0.000 χ^2/NDF:443720.3/21

+ sign 0.772+/-0.000 χ^2/NDF: 3045096.9/39

All: 0.773+/-0.000 χ^2/NDF: 5807327.9/80

- sign 0.774+/-0.000 χ^2/NDF: 2762028.6/40



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167339.202+/-0.047 χ^2/NDF:59449479543.7723

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

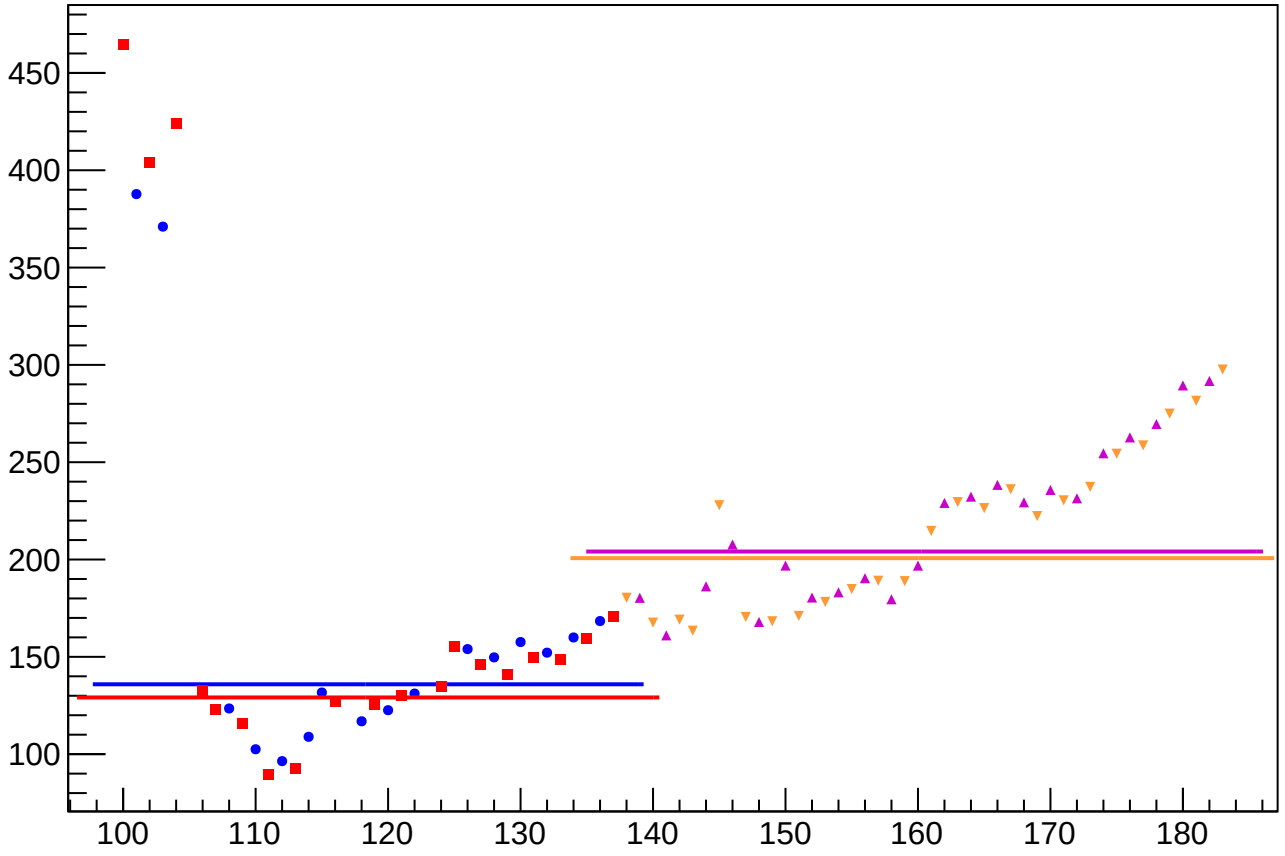
Left In: 167179.852+/-0.049 χ^2/NDF:54938476032.9/21

+ sign 160223.643+/-0.036 χ^2/NDF: 11397993909

All: 159703.692+/-0.025 χ^2/NDF: 2247091

- sign 159190.215+/-0.035 χ^2/NDF: 110304569070

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 200.708+/-0.033 χ^2/NDF:1175639.8/23

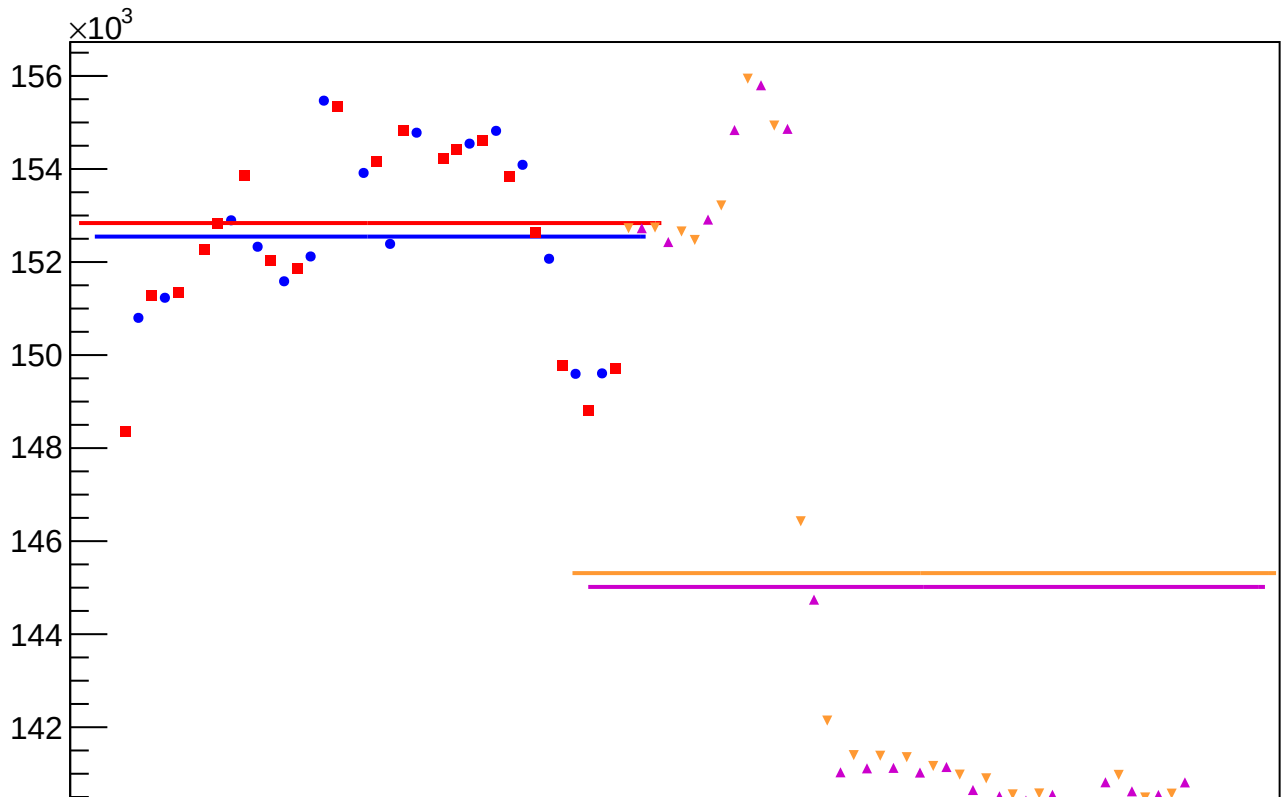
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 204.109+/-0.035 χ^2/NDF:997162.7/21

+ sign 173.209+/-0.025 χ^2/NDF: 4213757.2/39

All: 170.619+/-0.018 χ^2/NDF: 9092373.2/80

- sign 168.061+/-0.025 χ^2/NDF: 4857538.2/40



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145312.813+/-0.050 χ^2/NDF:13613112060.9/23

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

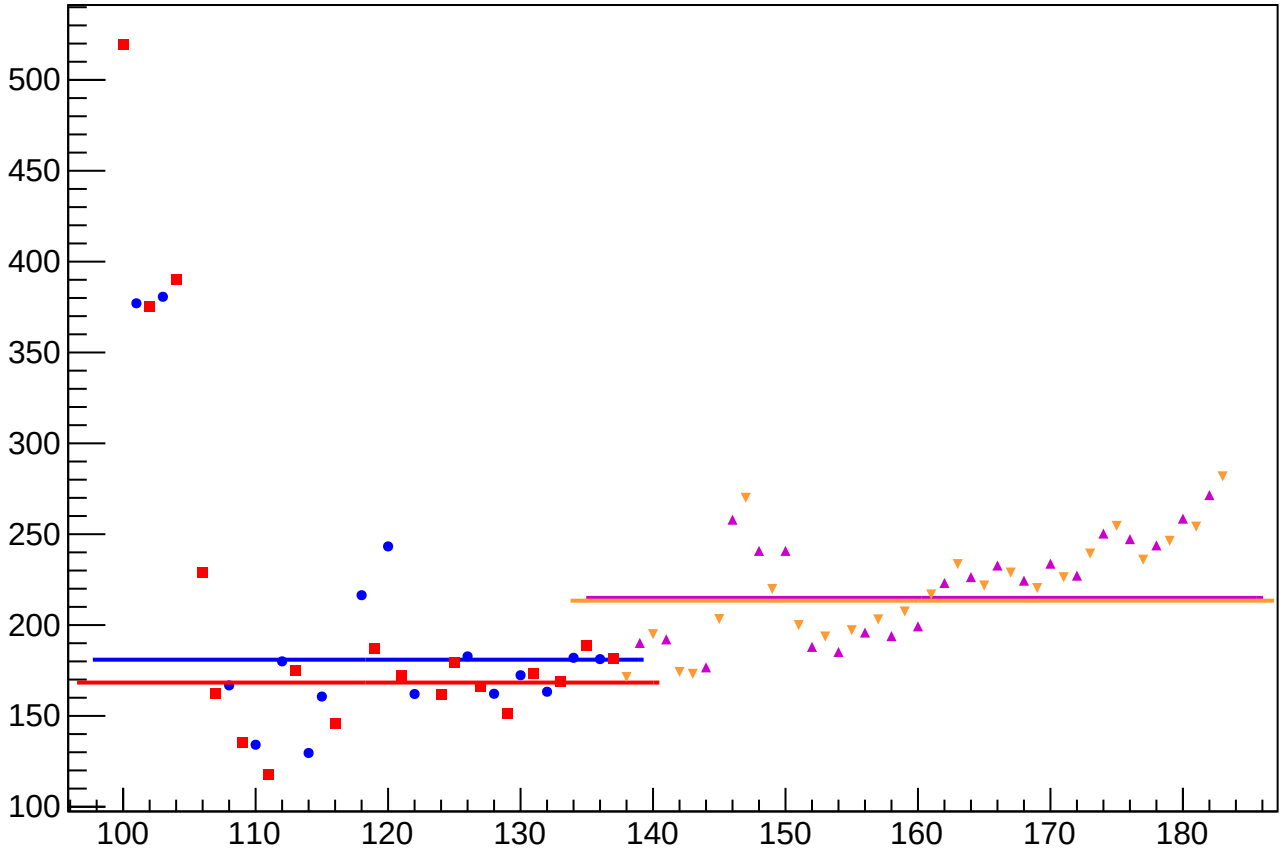
Left In: 145015.955+/-0.051 χ^2/NDF:13057896783.6/21

+ sign 147613.428+/-0.041 χ^2/NDF: 21035963446.4

All: 147775.676+/-0.029 χ^2/NDF: 43490399

- sign 147936.185+/-0.041 χ^2/NDF: 22423207901.6

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 213.414+/-0.035 χ^2/NDF:621503.7/23

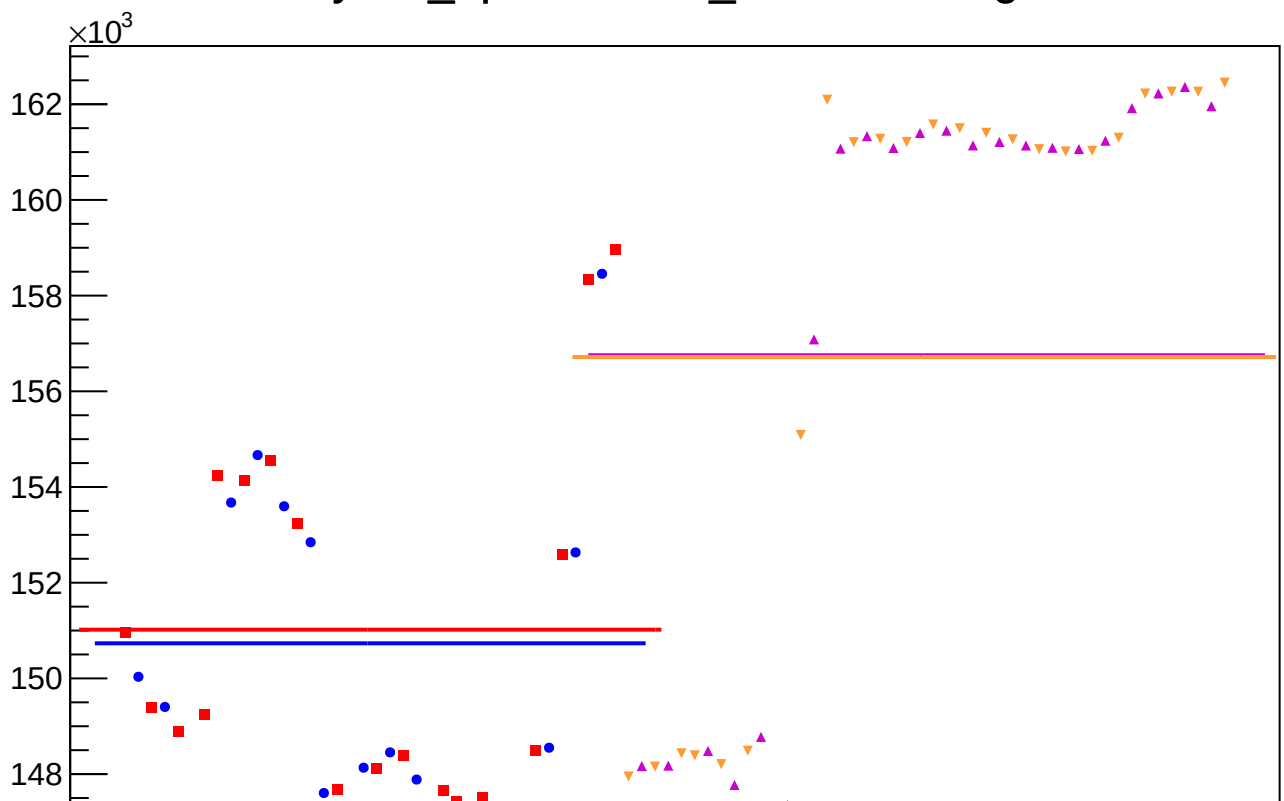
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 214.941+/-0.036 χ^2/NDF:572468.7/21

+ sign 203.086+/-0.029 χ^2/NDF: 1802073.5/39

All: 200.301+/-0.020 χ^2/NDF: 4094315.0/80

- sign 197.546+/-0.029 χ^2/NDF: 2273842.5/40



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156716.050+/-0.049 χ^2/NDF:16289834045.0/23

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

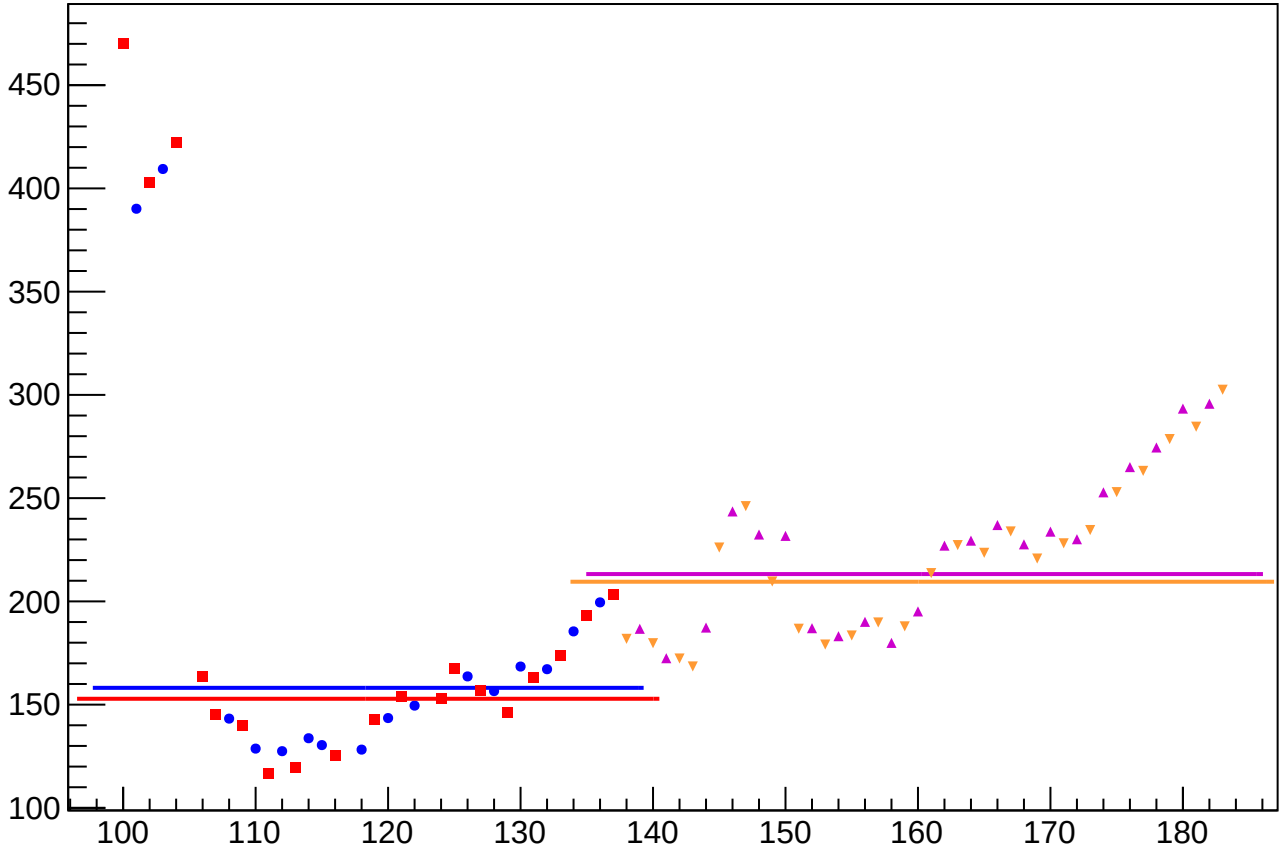
Left In: 156754.077+/-0.051 χ^2/NDF:14253433928.9/21

+ sign 154467.771+/-0.039 χ^2/NDF: 25221057418.

All: 154405.587+/-0.027 χ^2/NDF: 48051355

- sign 154342.151+/-0.039 χ^2/NDF: 22825043730.4

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 209.521+/-0.035 χ^2/NDF:949688.5/23

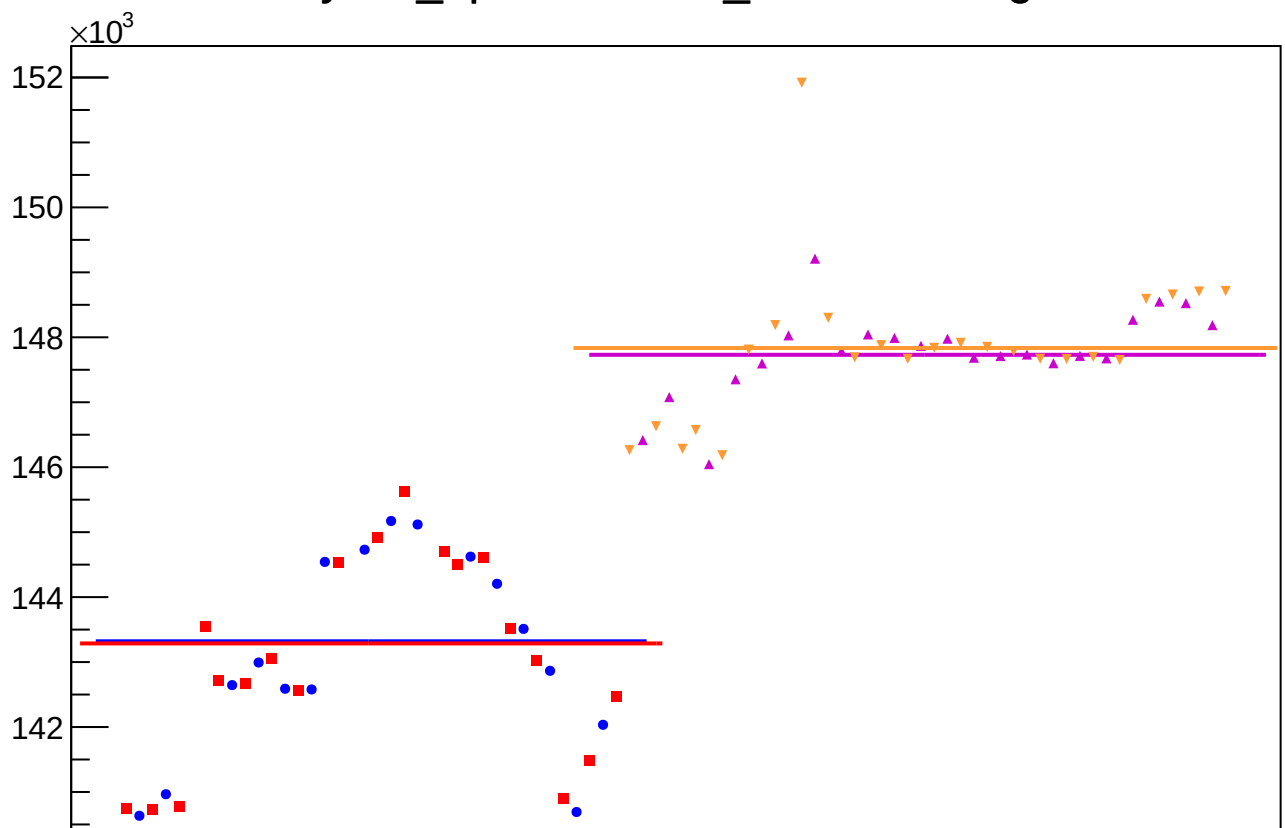
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 213.233+/-0.036 χ^2/NDF:866807.8/21

+ sign 190.212+/-0.027 χ^2/NDF: 2978533.4/39

All: 189.036+/-0.019 χ^2/NDF: 6285307.0/80

- sign 187.837+/-0.028 χ^2/NDF: 3303018.6/40



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147835.326+/-0.045 χ^2/NDF:709841849.7/23

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

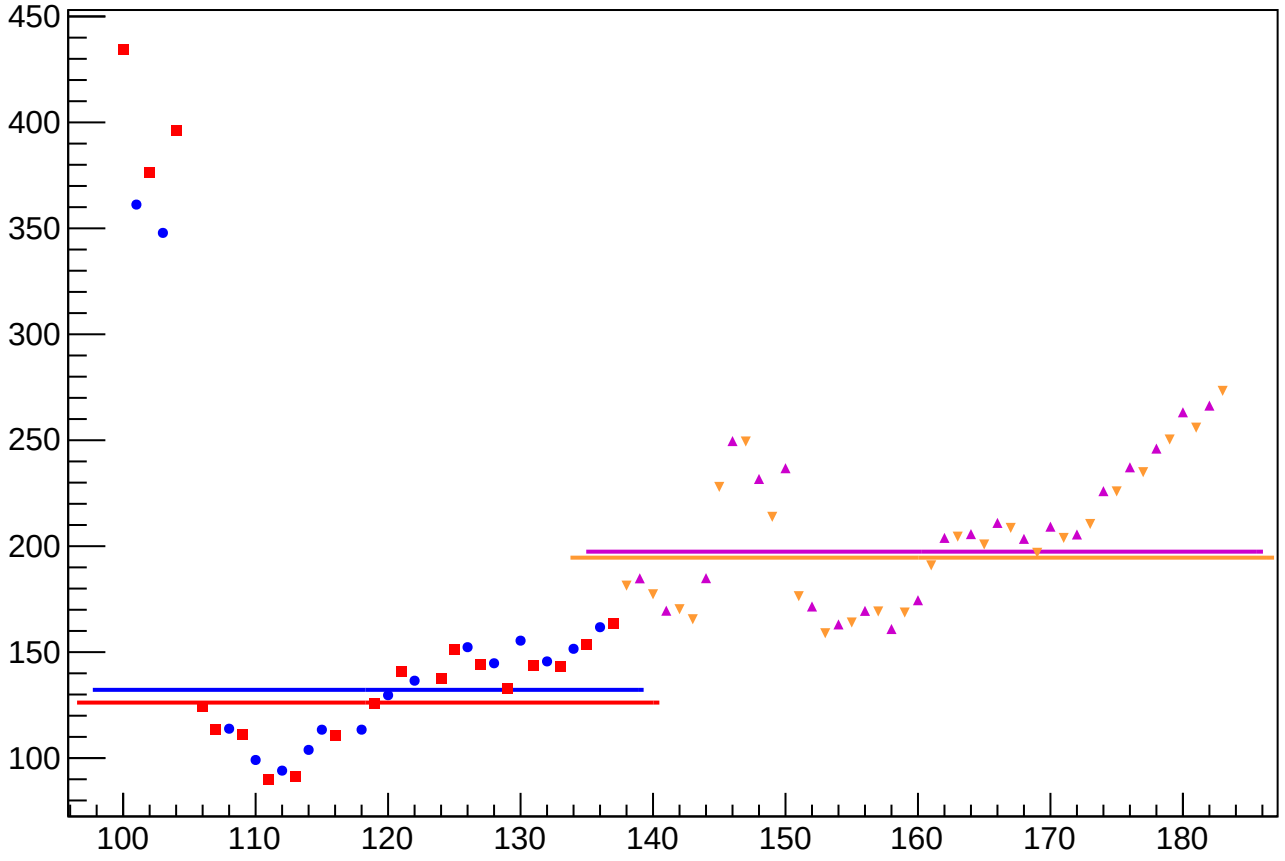
Left In: 147730.445+/-0.047 χ^2/NDF:225022031.0/21

+ sign 145934.662+/-0.034 χ^2/NDF: 5453320064.4

All: 145773.981+/-0.024 χ^2/NDF: 10528661

- sign 145614.856+/-0.034 χ^2/NDF: 5032081823.4/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 194.589+/-0.032 χ^2/NDF:861191.6/23

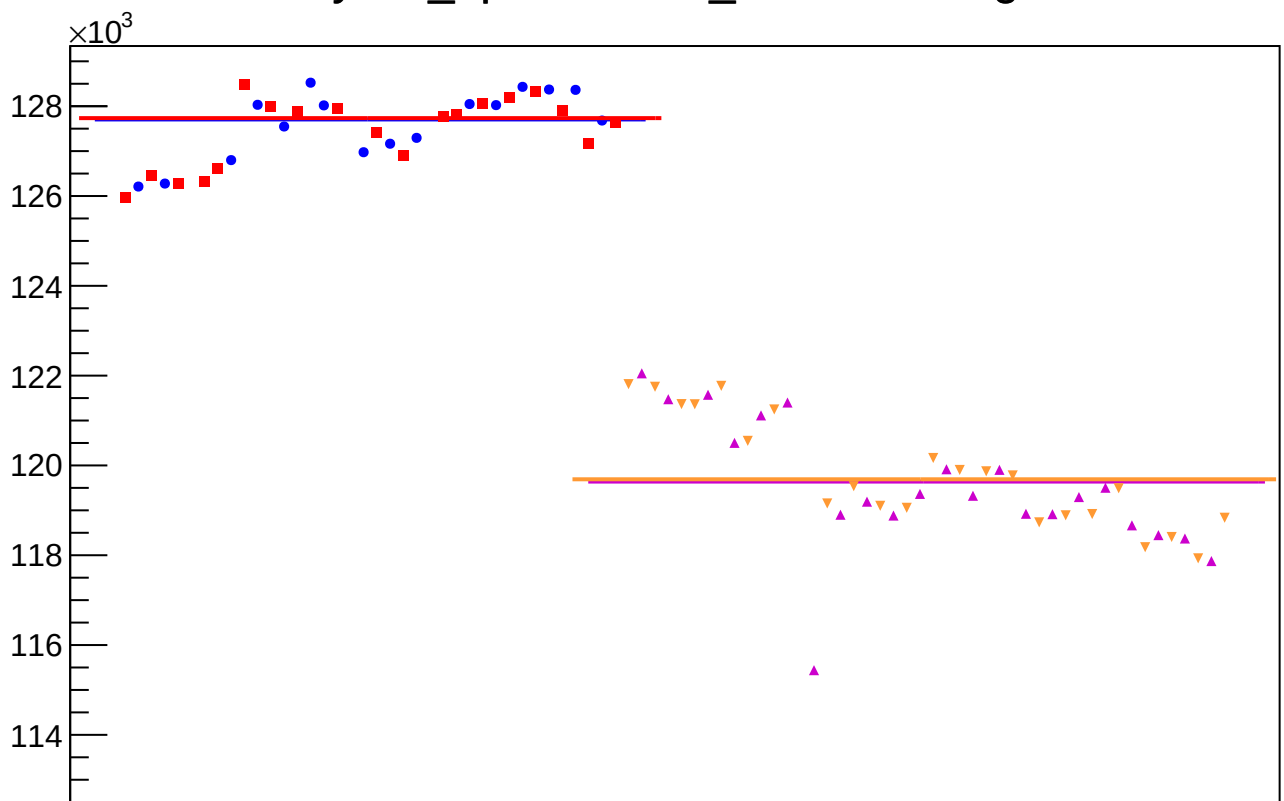
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 197.421+/-0.034 χ^2/NDF:858126.0/21

+ sign 168.331+/-0.024 χ^2/NDF: 3837533.6/39

All: 165.908+/-0.017 χ^2/NDF: 8411948.1/80

- sign 163.507+/-0.024 χ^2/NDF: 4554732.6/40



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119691.259+/-0.044 χ^2/NDF:1982641320.2/23

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

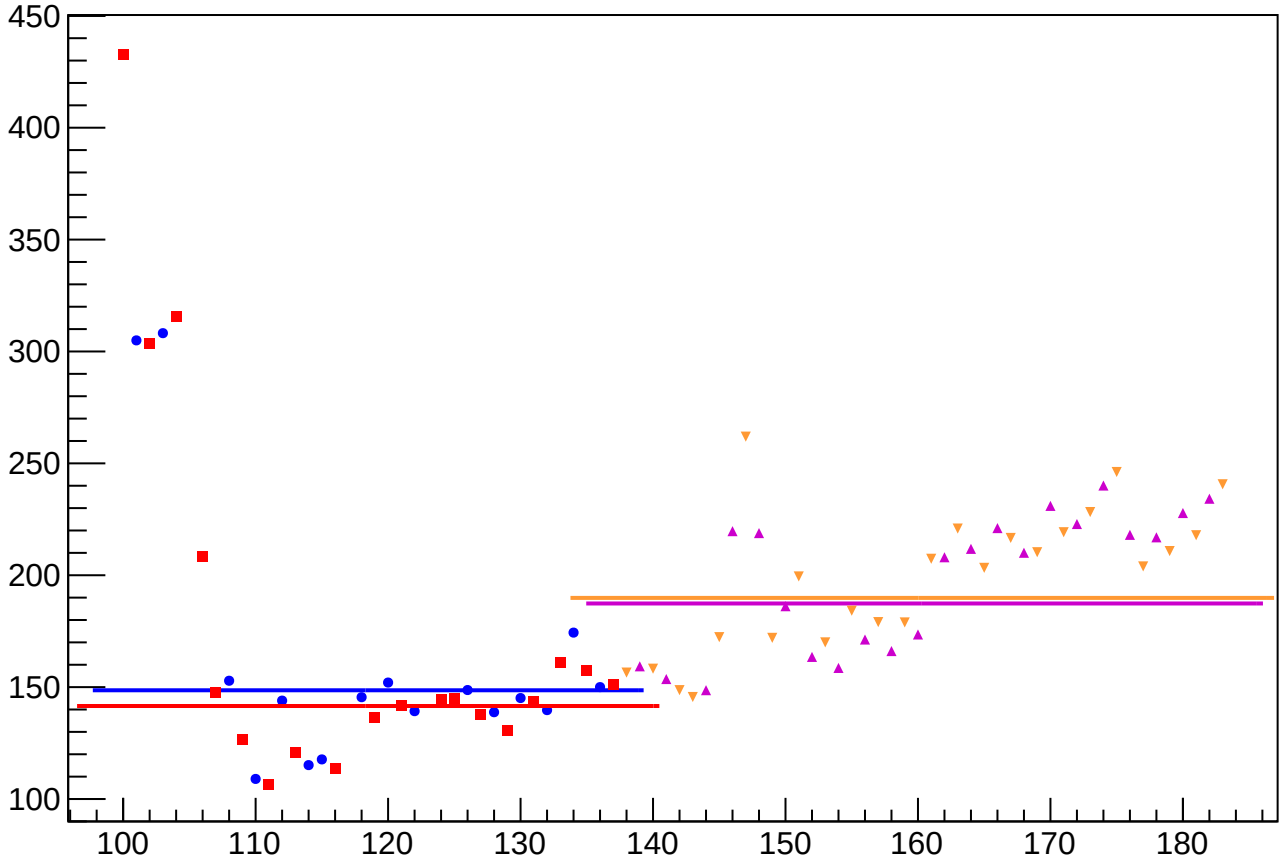
Left In: 119640.628+/-0.045 χ^2/NDF:1311030070.4/21

+ sign 122631.191+/-0.035 χ^2/NDF: 14003202670.

All: 122772.502+/-0.025 χ^2/NDF: 2840493

- sign 122909.993+/-0.035 χ^2/NDF: 14370260949.

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 189.877+/-0.031 χ^2/NDF:904702.2/23

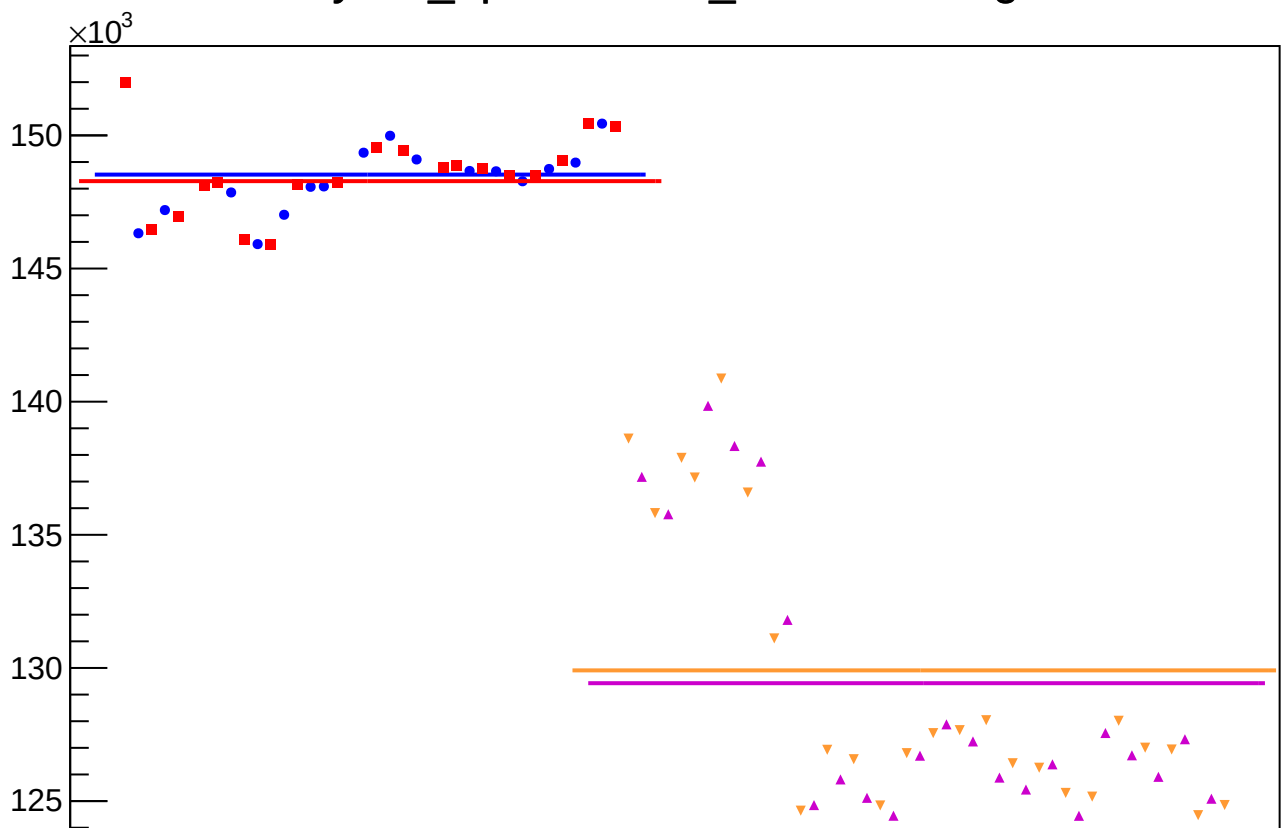
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 187.381+/-0.032 χ^2/NDF:897685.5/21

+ sign 174.732+/-0.025 χ^2/NDF: 2364849.8/39

All: 171.763+/-0.018 χ^2/NDF: 5121480.9/80

- sign 168.874+/-0.025 χ^2/NDF: 2728844.3/40



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 129909.009+/-0.065 χ^2/NDF:6684138758.7/23

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

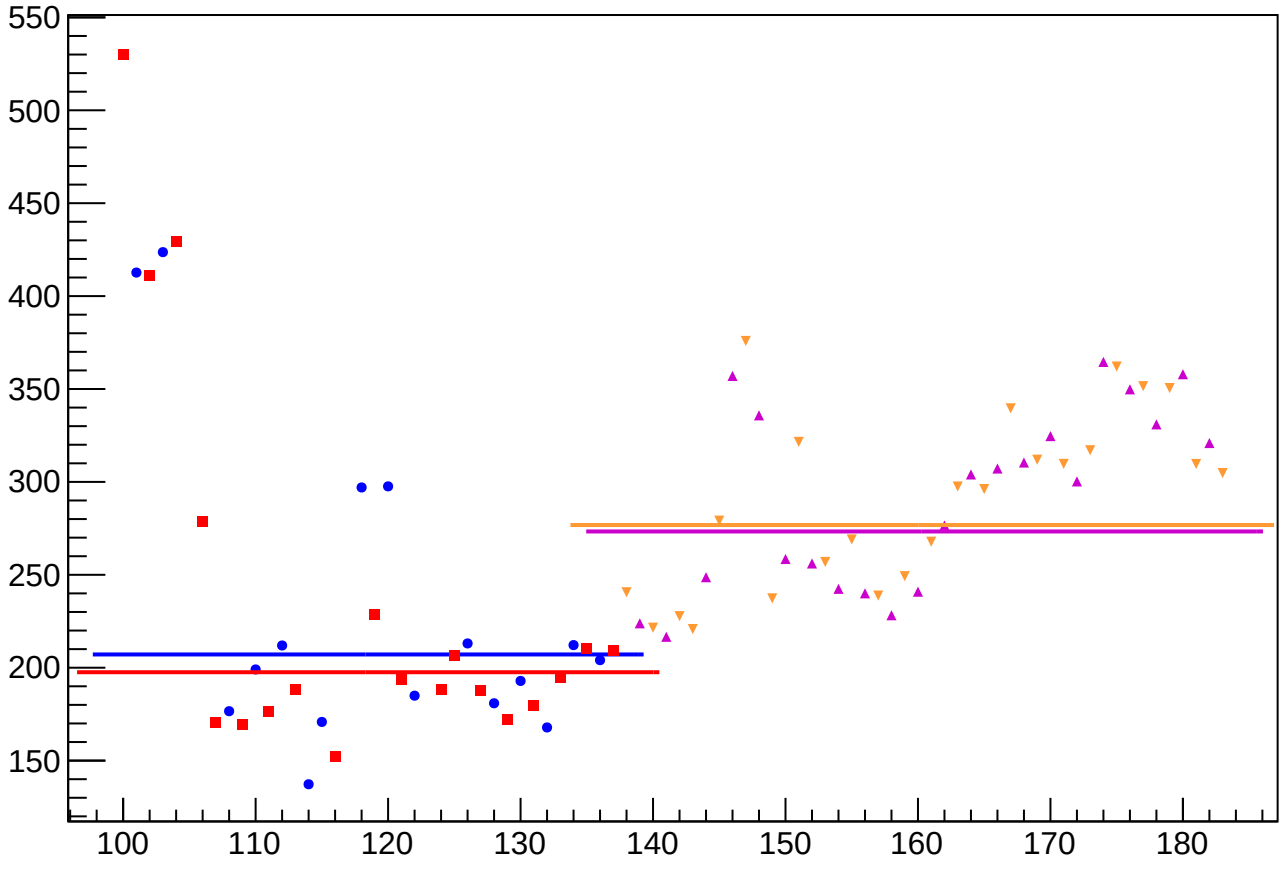
Left In: 129427.826+/-0.066 χ^2/NDF:6543074578.4/21

+ sign 137044.713+/-0.051 χ^2/NDF: 38735960569.5

All: 137239.634+/-0.036 χ^2/NDF: 80474191

- sign 137428.260+/-0.050 χ^2/NDF: 41709177771.1

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 276.786+/-0.046 χ^2/NDF:944434.8/23

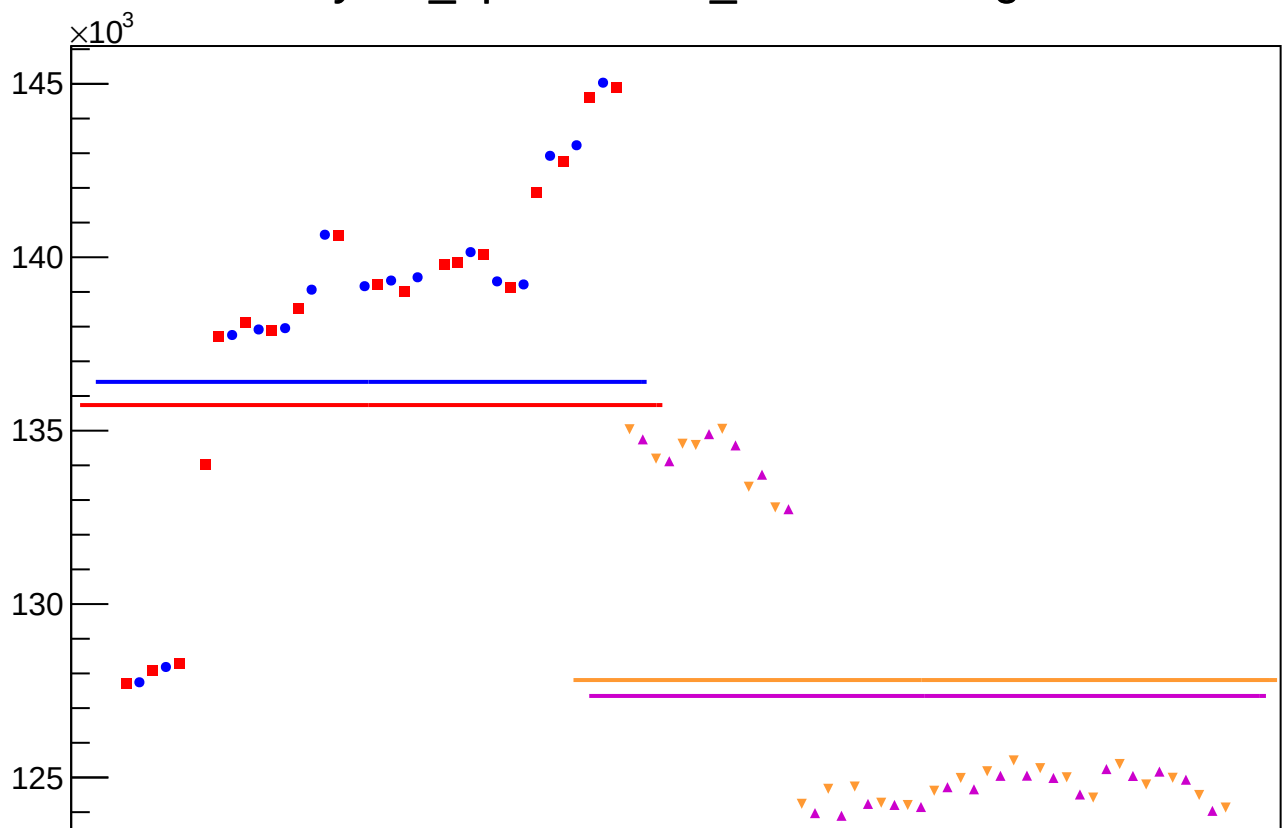
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 273.324+/-0.047 χ^2/NDF:996153.6/21

+ sign 250.092+/-0.036 χ^2/NDF: 2807899.4/39

All: 245.563+/-0.025 χ^2/NDF: 5865290.8/80

- sign 241.180+/-0.035 χ^2/NDF: 3026017.8/40



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 127809.277+/-0.137 χ^2/NDF:1080185943.8/23

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

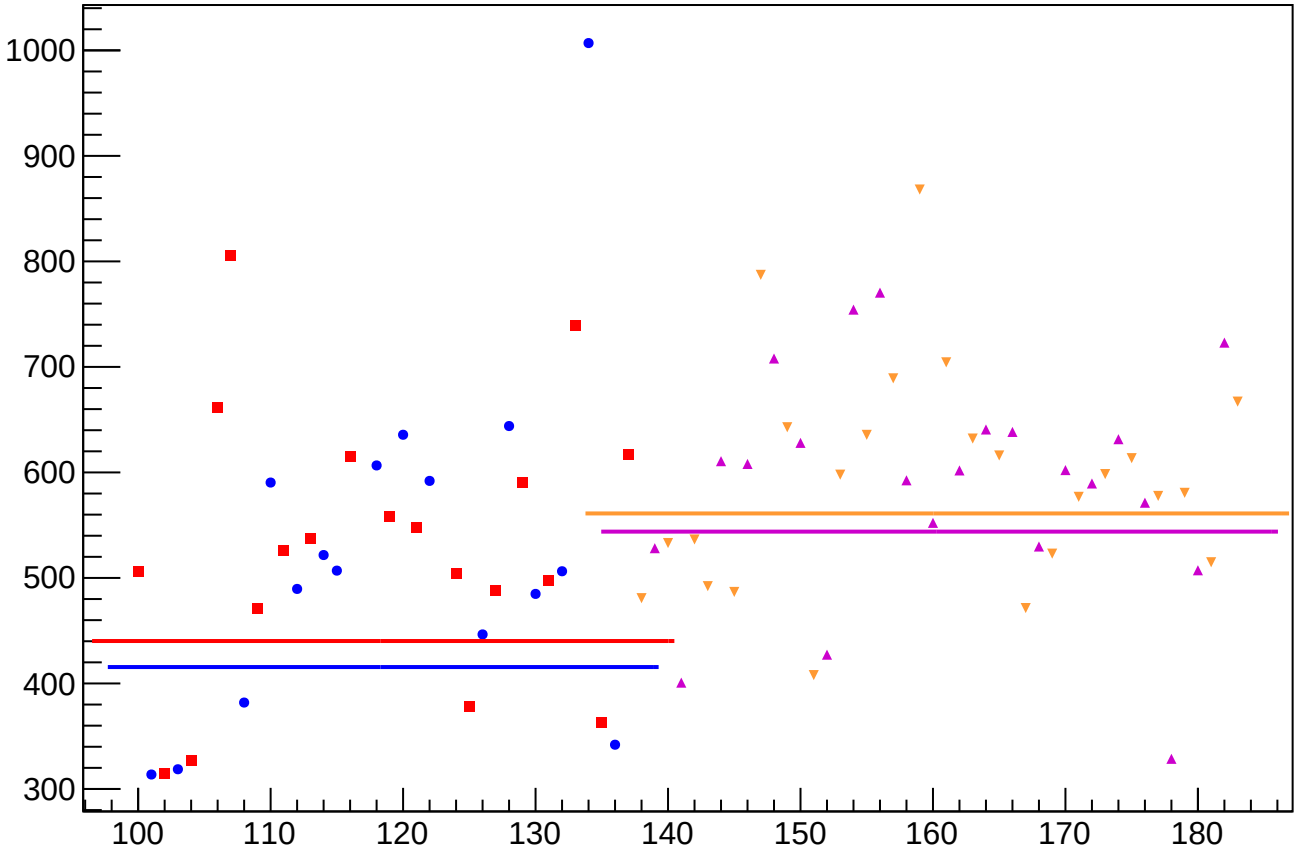
Left In: 127350.715+/-0.140 χ^2/NDF:952929910.2/21

+ sign 131227.712+/-0.106 χ^2/NDF: 4224195808.0

All: 130915.754+/-0.076 χ^2/NDF: 7754261

- sign 130583.602+/-0.110 χ^2/NDF: 3512282278.9/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 561.127+/-0.097 χ^2/NDF:927948.7/23

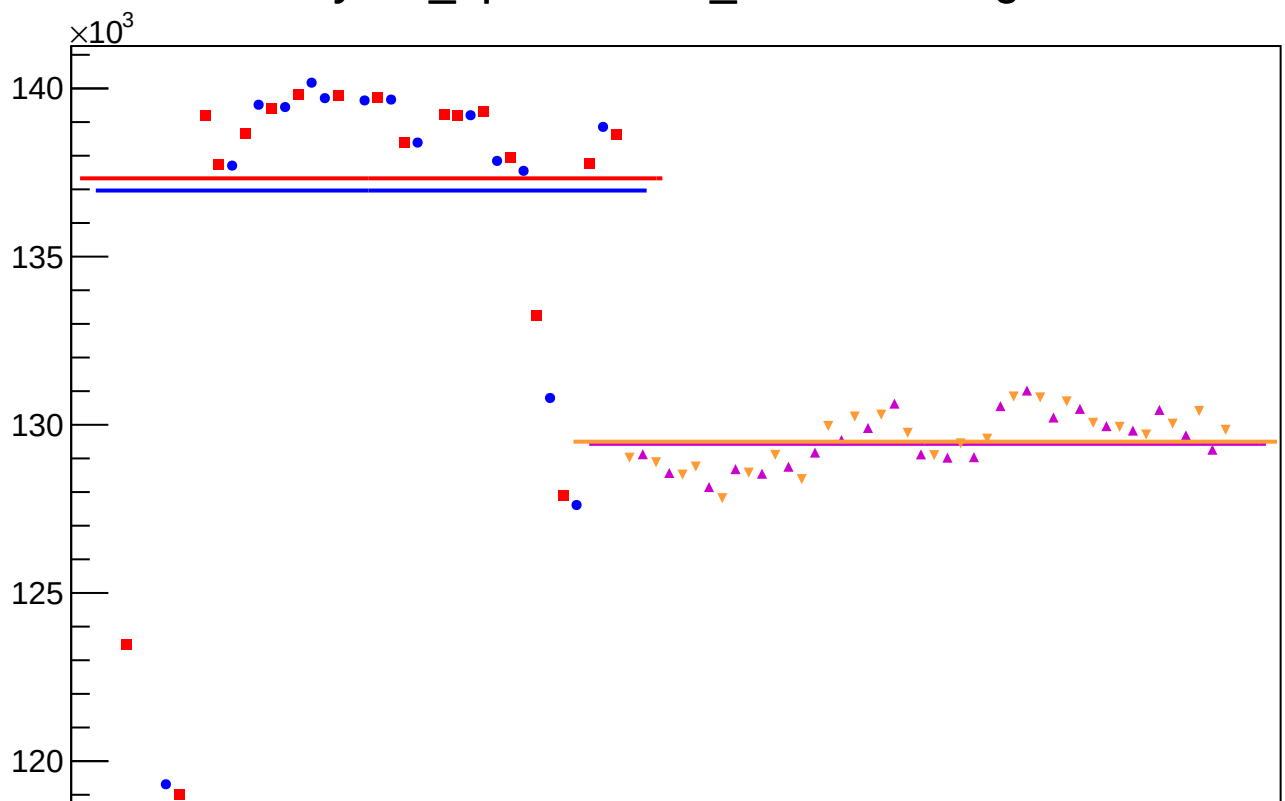
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 543.890+/-0.099 χ^2/NDF:1411015.4/21

+ sign 503.244+/-0.075 χ^2/NDF: 2858056.5/39

All: 503.577+/-0.054 χ^2/NDF: 5603151.5/80

- sign 503.932+/-0.078 χ^2/NDF: 2745054.4/40



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129498.077+/-0.047 χ^2/NDF:296822474.0/23

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

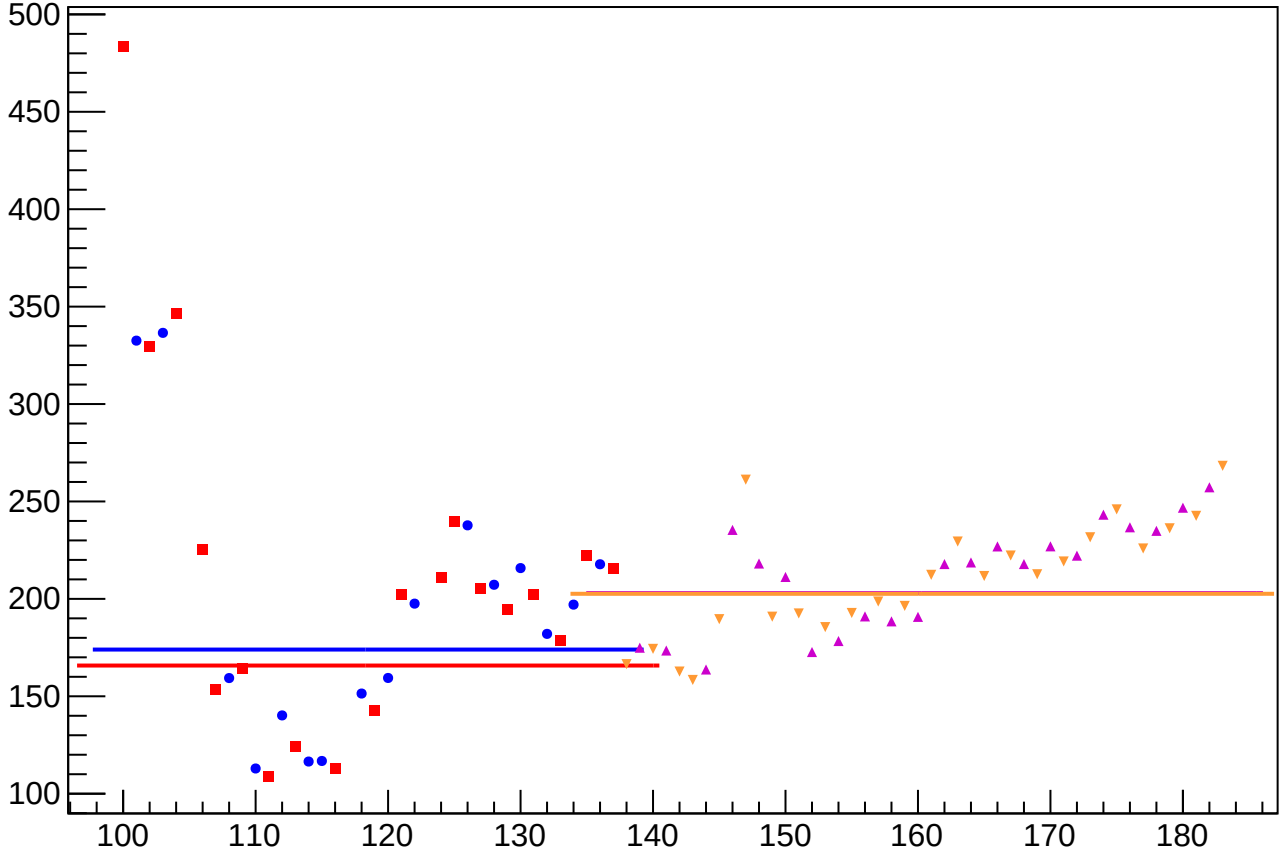
Left In: 129432.930+/-0.049 χ^2/NDF:268062941.6/21

+ sign 131843.458+/-0.039 χ^2/NDF: 13970164602.

All: 132038.353+/-0.028 χ^2/NDF: 29362883

- sign 132233.337+/-0.039 χ^2/NDF: 15342962796.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 202.609+/-0.033 χ^2/NDF:727894.5/23

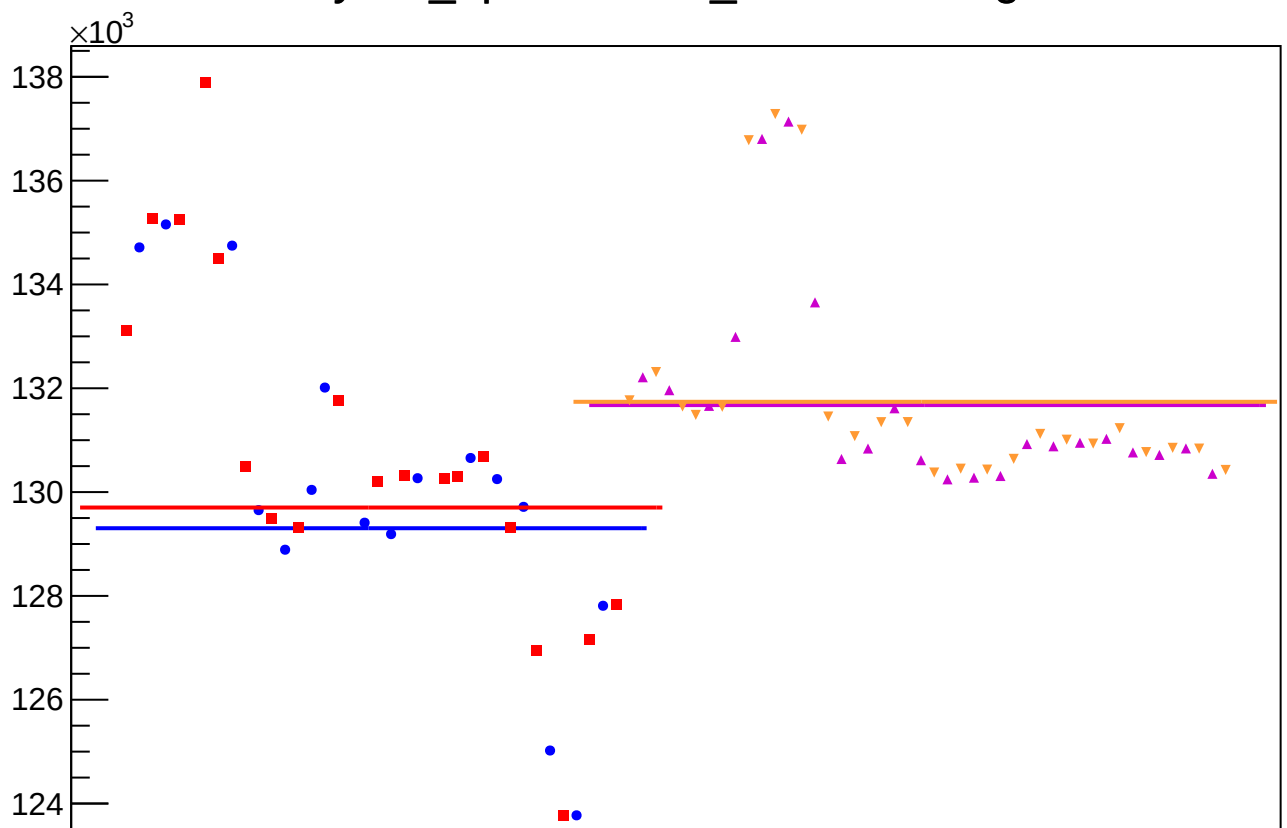
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 202.962+/-0.034 χ^2/NDF:635262.6/21

+ sign 193.617+/-0.028 χ^2/NDF: 2147608.7/39

All: 191.695+/-0.020 χ^2/NDF: 4639947.0/80

- sign 189.773+/-0.028 χ^2/NDF: 2482665.2/40



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131739.402+/-0.047 χ^2/NDF:1416685450.9/23

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

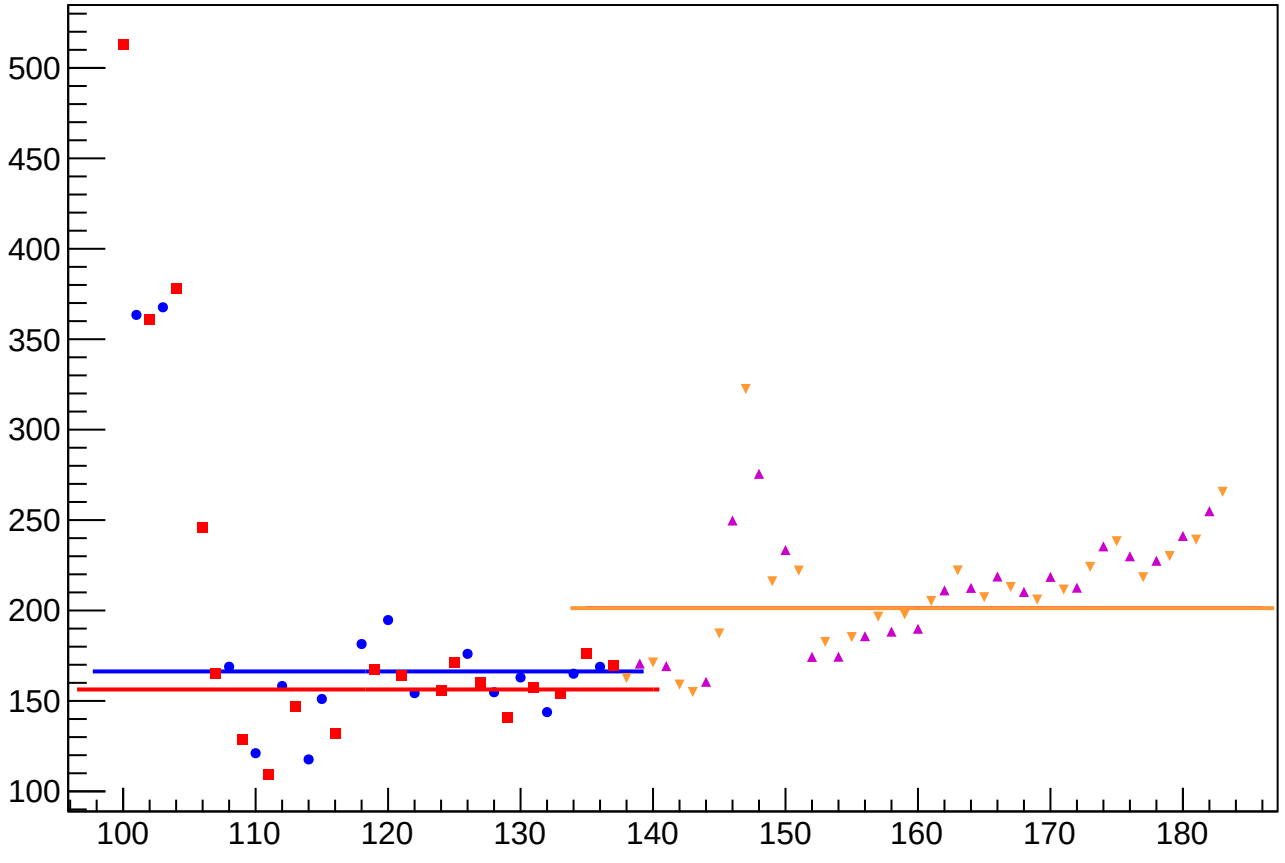
Left In: 131676.062+/-0.048 χ^2/NDF:1153682761.9/21

+ sign 130922.312+/-0.038 χ^2/NDF: 3966317193.5

All: 130921.999+/-0.027 χ^2/NDF: 7532954

- sign 130921.690+/-0.038 χ^2/NDF: 3566636918.0/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 201.291+/-0.033 χ^2/NDF:877056.3/23

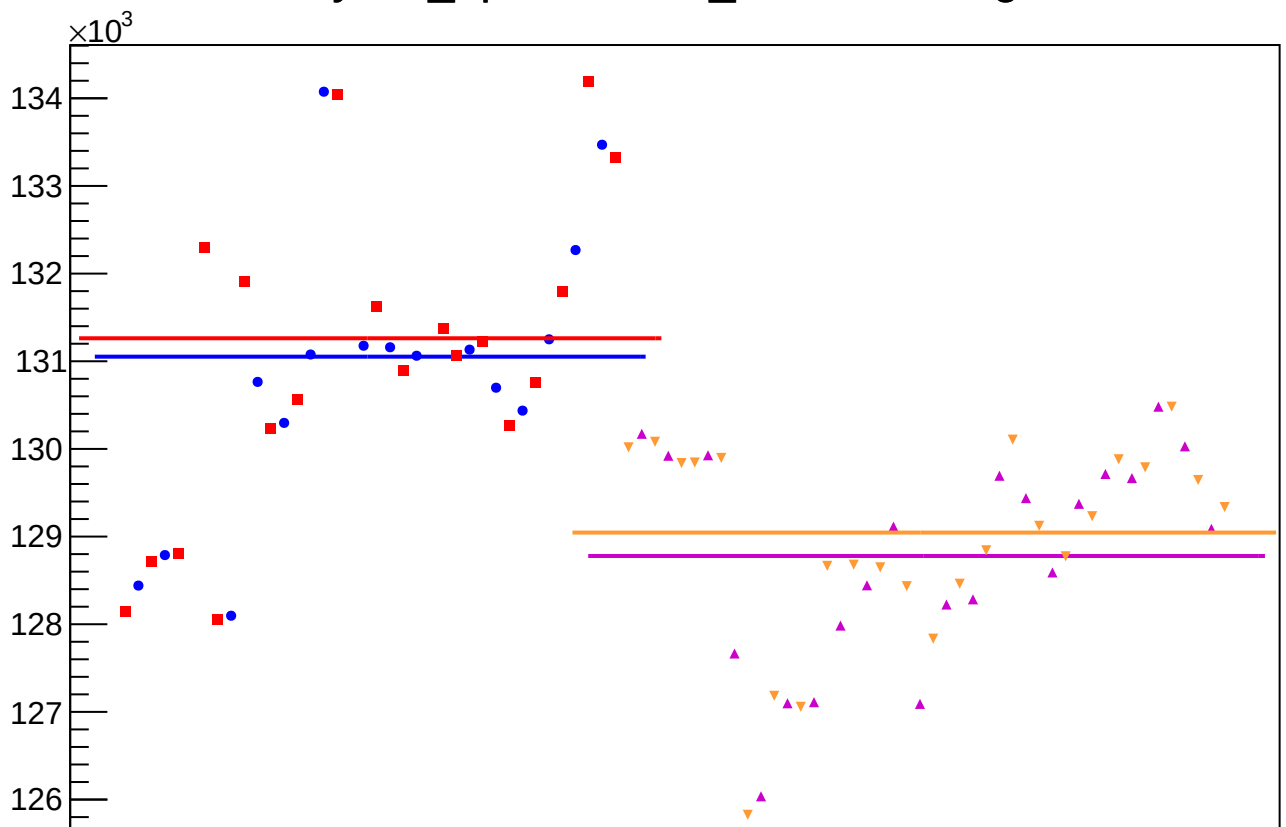
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 201.388+/-0.034 χ^2/NDF:775156.5/21

+ sign 189.553+/-0.027 χ^2/NDF: 2186251.8/39

All: 186.839+/-0.019 χ^2/NDF: 4816283.8/80

- sign 184.166+/-0.027 χ^2/NDF: 2610144.7/40



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129045.886+/-0.046 χ^2/NDF:529590904.3/23

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

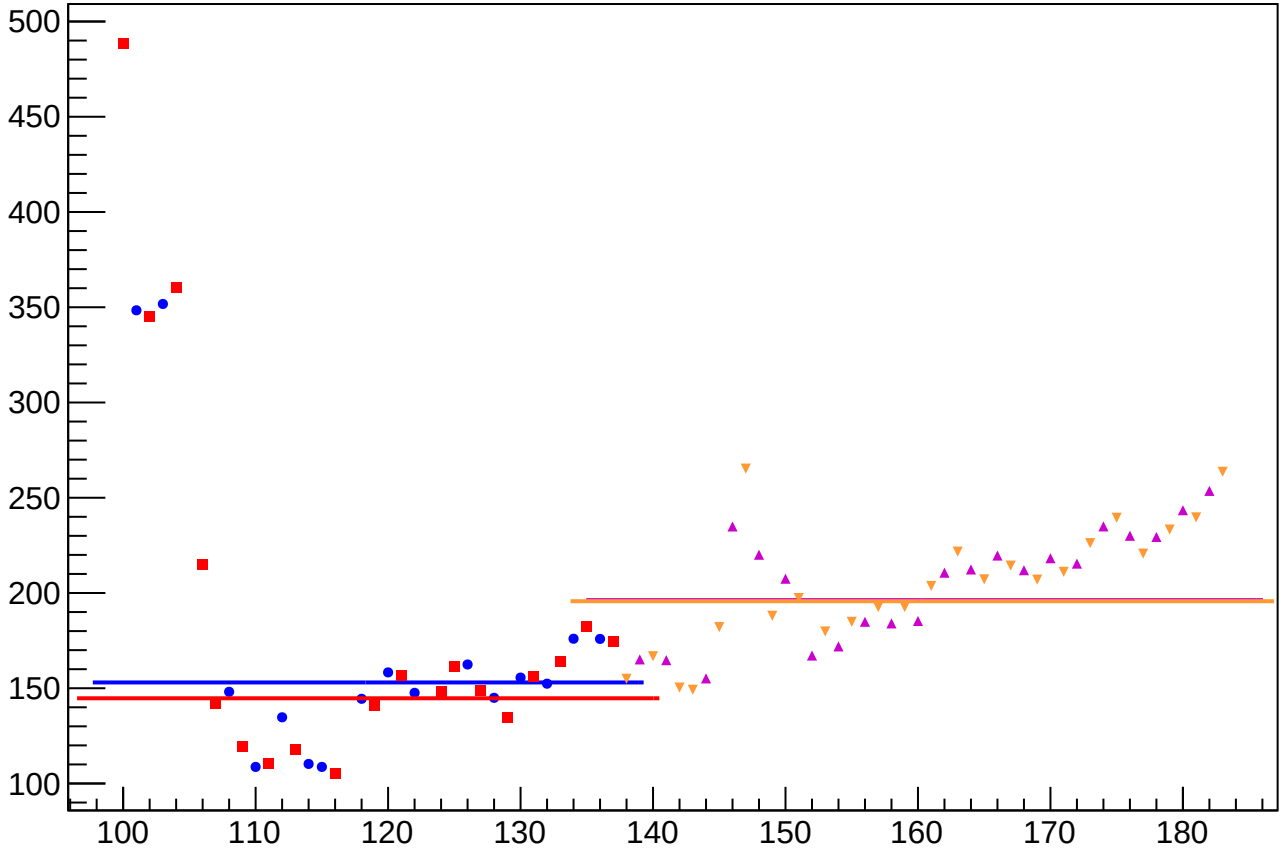
Left In: 128778.567+/-0.047 χ^2/NDF:654308693.7/21

+ sign 129772.078+/-0.036 χ^2/NDF: 1751938292.8

All: 129782.998+/-0.026 χ^2/NDF: 41466023

- sign 129793.767+/-0.036 χ^2/NDF: 2394486117.5/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 195.684+/-0.032 χ^2/NDF:889634.4/23

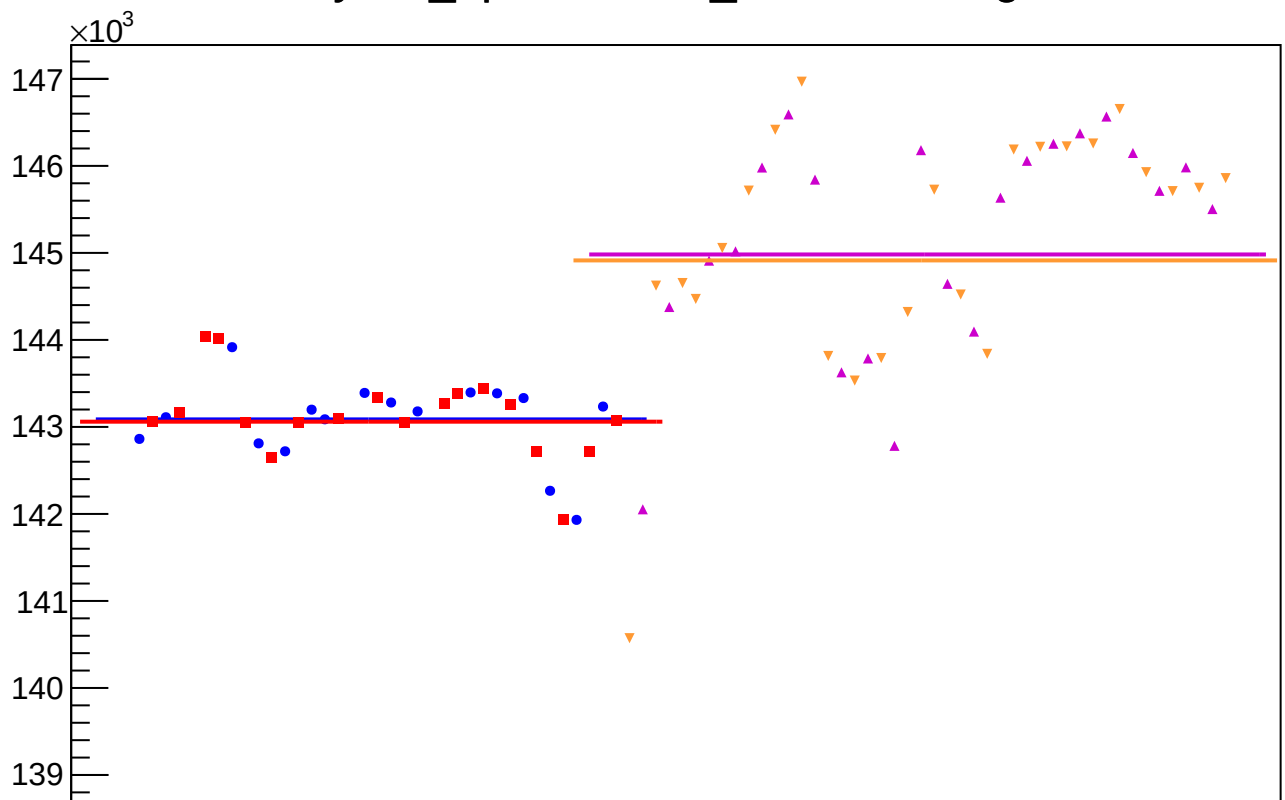
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 196.261+/-0.033 χ^2/NDF:740230.7/21

+ sign 180.252+/-0.026 χ^2/NDF: 2580134.7/39

All: 177.707+/-0.018 χ^2/NDF: 5581042.5/80

- sign 175.198+/-0.026 χ^2/NDF: 2981583.1/40



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144913.639+/-0.052 χ^2/NDF:833965899.4/23

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

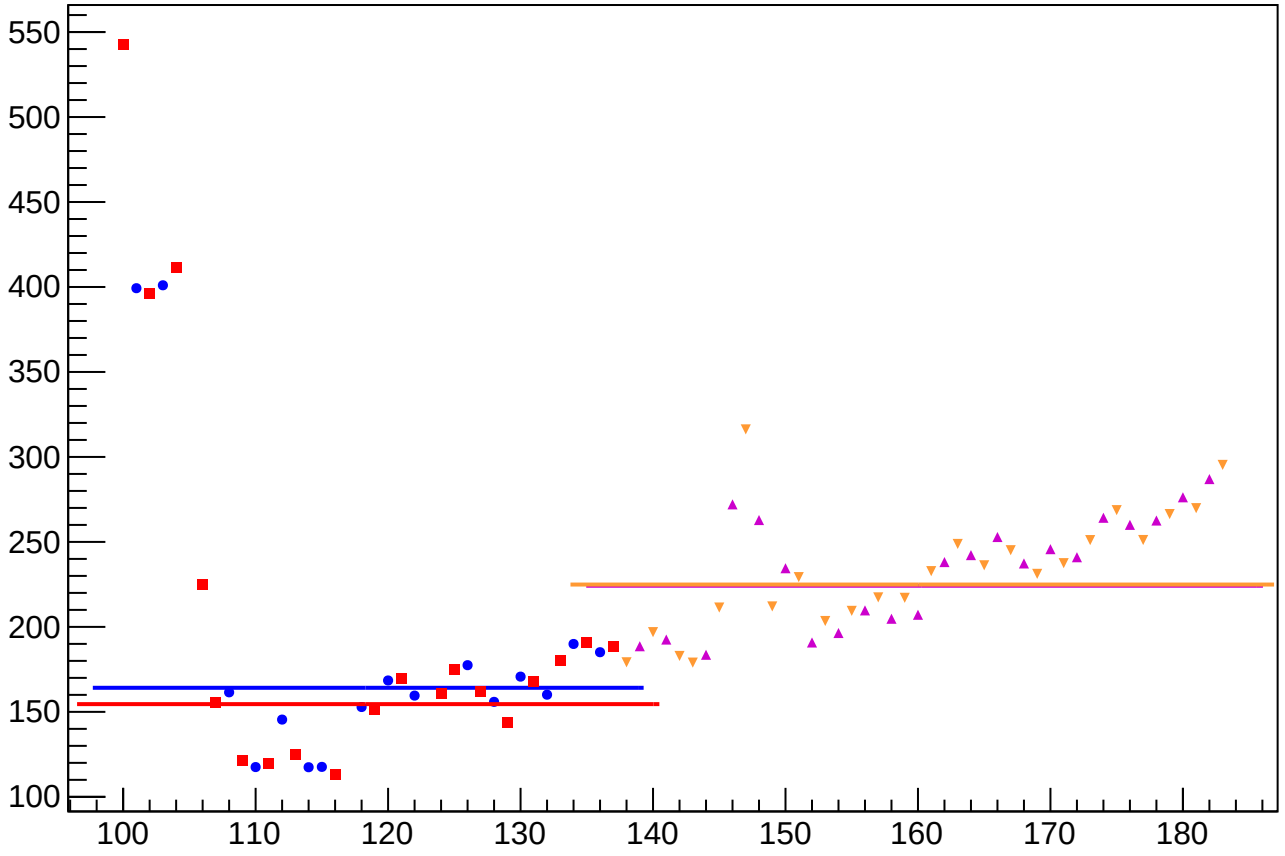
Left In: 144982.019+/-0.054 χ^2/NDF:618285723.0/21

+ sign 144194.279+/-0.041 χ^2/NDF: 1358551525.1/

All: 144164.521+/-0.029 χ^2/NDF: 25912989

- sign 144135.607+/-0.040 χ^2/NDF: 1231700497.7/

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 224.915+/-0.037 χ^2/NDF:747226.8/23

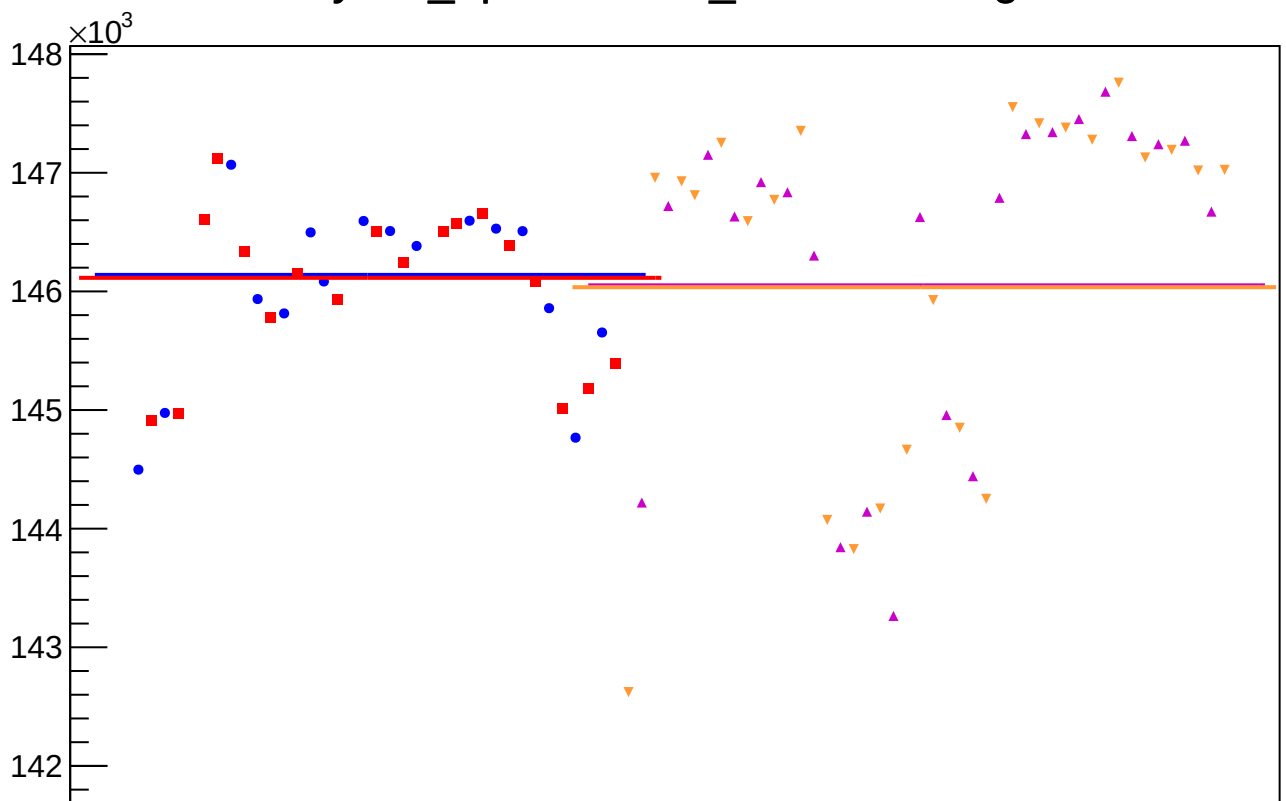
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 224.201+/-0.038 χ^2/NDF:688991.9/21

+ sign 200.998+/-0.029 χ^2/NDF: 2933440.3/39

All: 197.209+/-0.020 χ^2/NDF: 6498559.5/80

- sign 193.527+/-0.028 χ^2/NDF: 3531170.2/40



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146035.417+/-0.052 χ^2/NDF:880357611.2/23

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

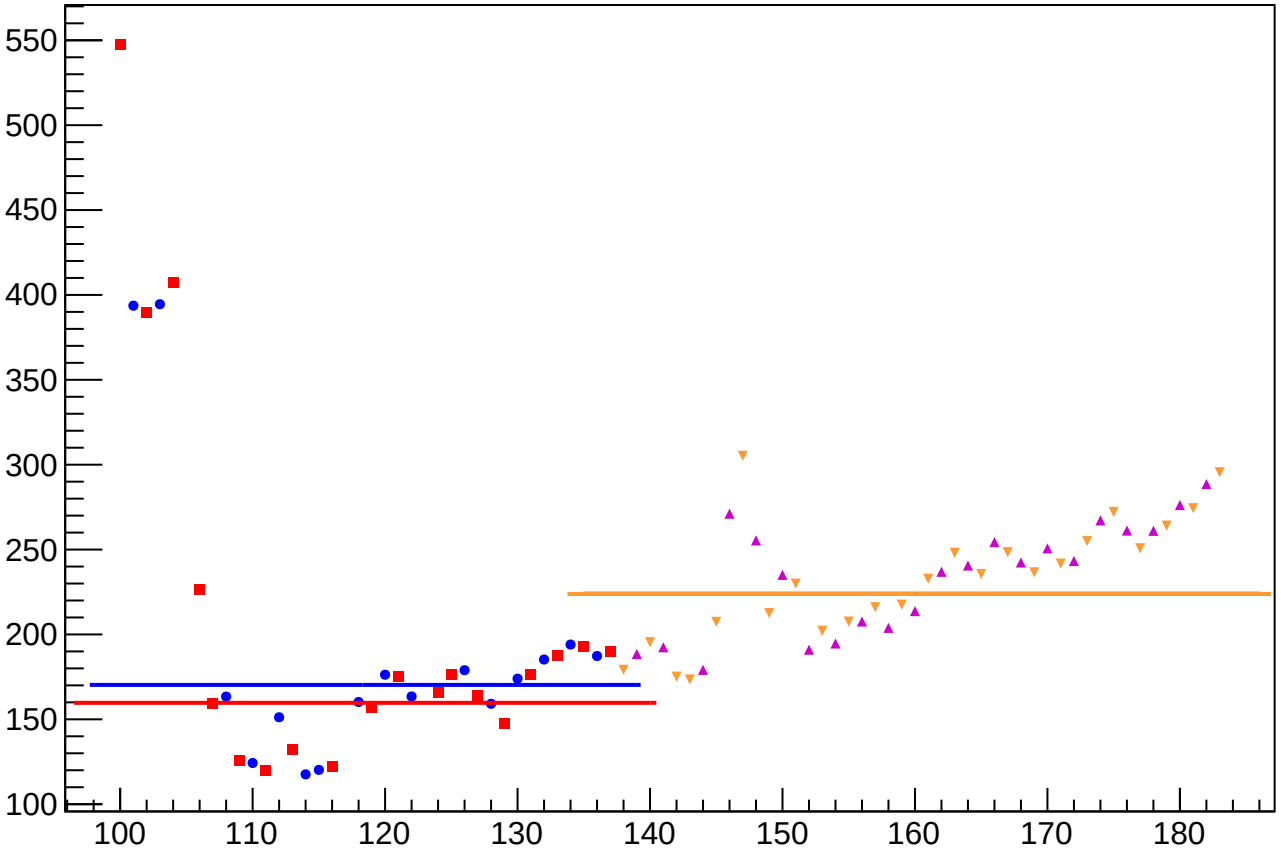
Left In: 146051.175+/-0.054 χ^2/NDF:697562490.3/21

+ sign 146074.370+/-0.041 χ^2/NDF: 953562300.7/3

All: 146076.268+/-0.029 χ^2/NDF: 17248201

- sign 146078.120+/-0.041 χ^2/NDF: 771253638.4/4

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 223.844+/-0.037 χ^2/NDF:820252.2/23

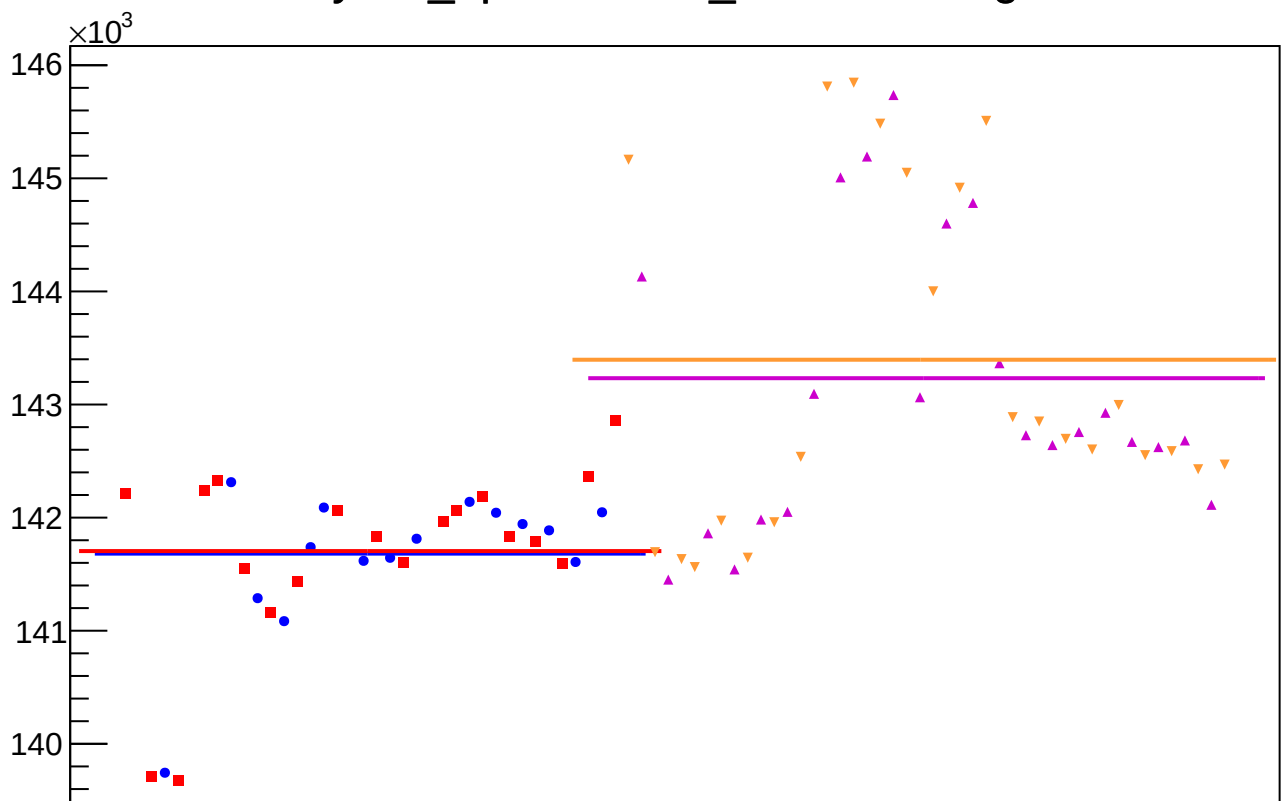
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 223.989+/-0.038 χ^2/NDF:722533.1/21

+ sign 203.746+/-0.029 χ^2/NDF: 2667327.6/39

All: 200.142+/-0.021 χ^2/NDF: 5926268.6/80

- sign 196.626+/-0.029 χ^2/NDF: 3228817.5/40



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143396.067+/-0.054 χ^2/NDF:780667818.4/23

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

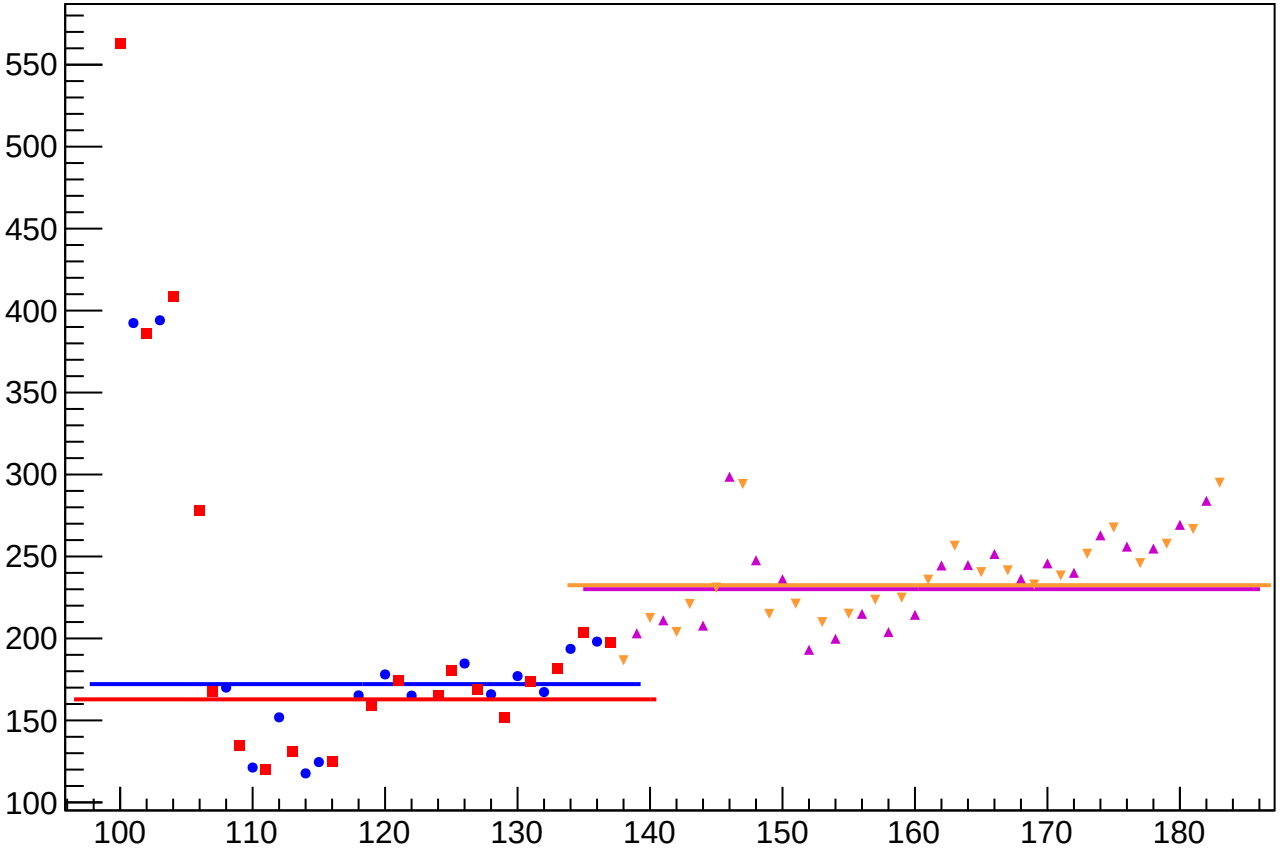
Left In: 143232.786+/-0.055 χ^2/NDF:536074126.1/21

+ sign 142737.571+/-0.042 χ^2/NDF: 1233254410.3

All: 142657.504+/-0.030 χ^2/NDF: 21707872

- sign 142579.752+/-0.042 χ^2/NDF: 930475006.0/4

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 232.477+/-0.038 χ^2/NDF:423770.4/23

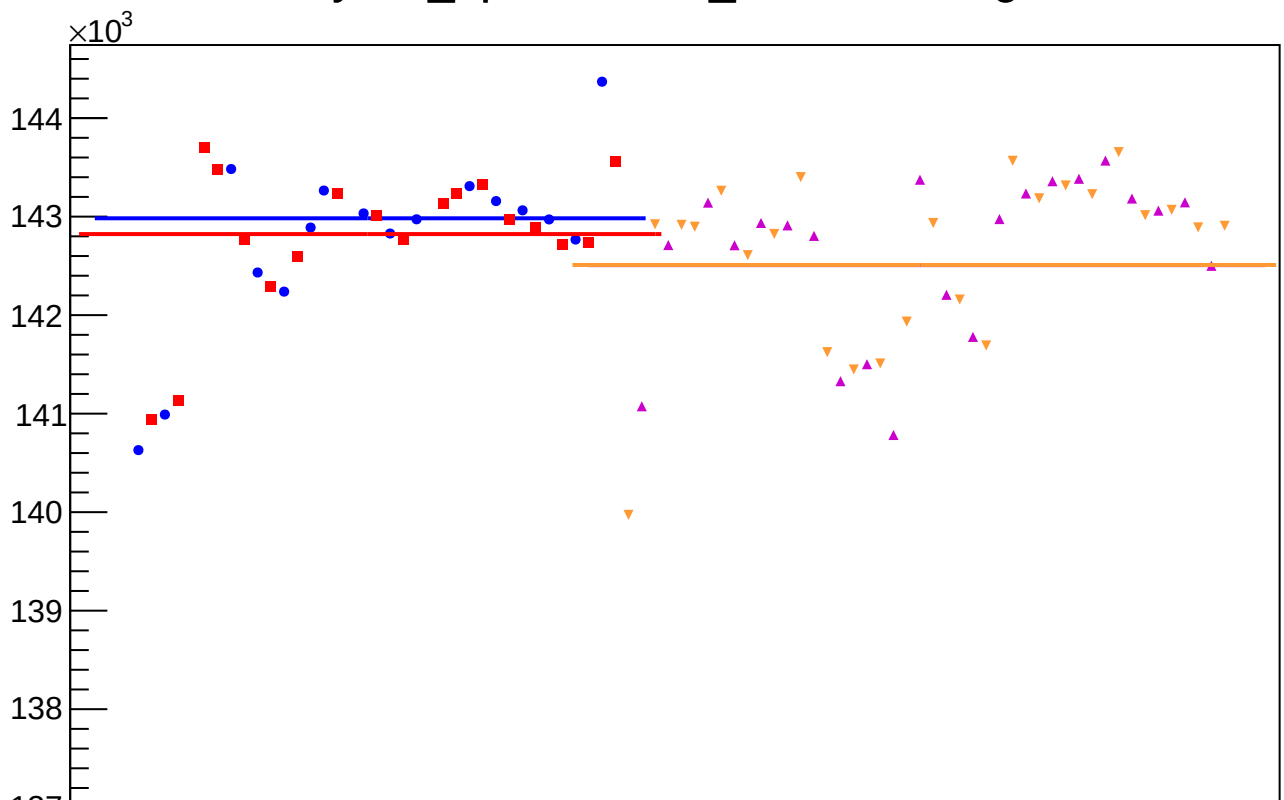
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 230.070+/-0.039 χ^2/NDF:485265.8/21

+ sign 209.299+/-0.030 χ^2/NDF: 2454500.6/39

All: 205.266+/-0.021 χ^2/NDF: 5553576.2/80

- sign 201.351+/-0.029 χ^2/NDF: 3063273.1/40



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142509.156+/-0.051 χ^2/NDF:337852653.9/23

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

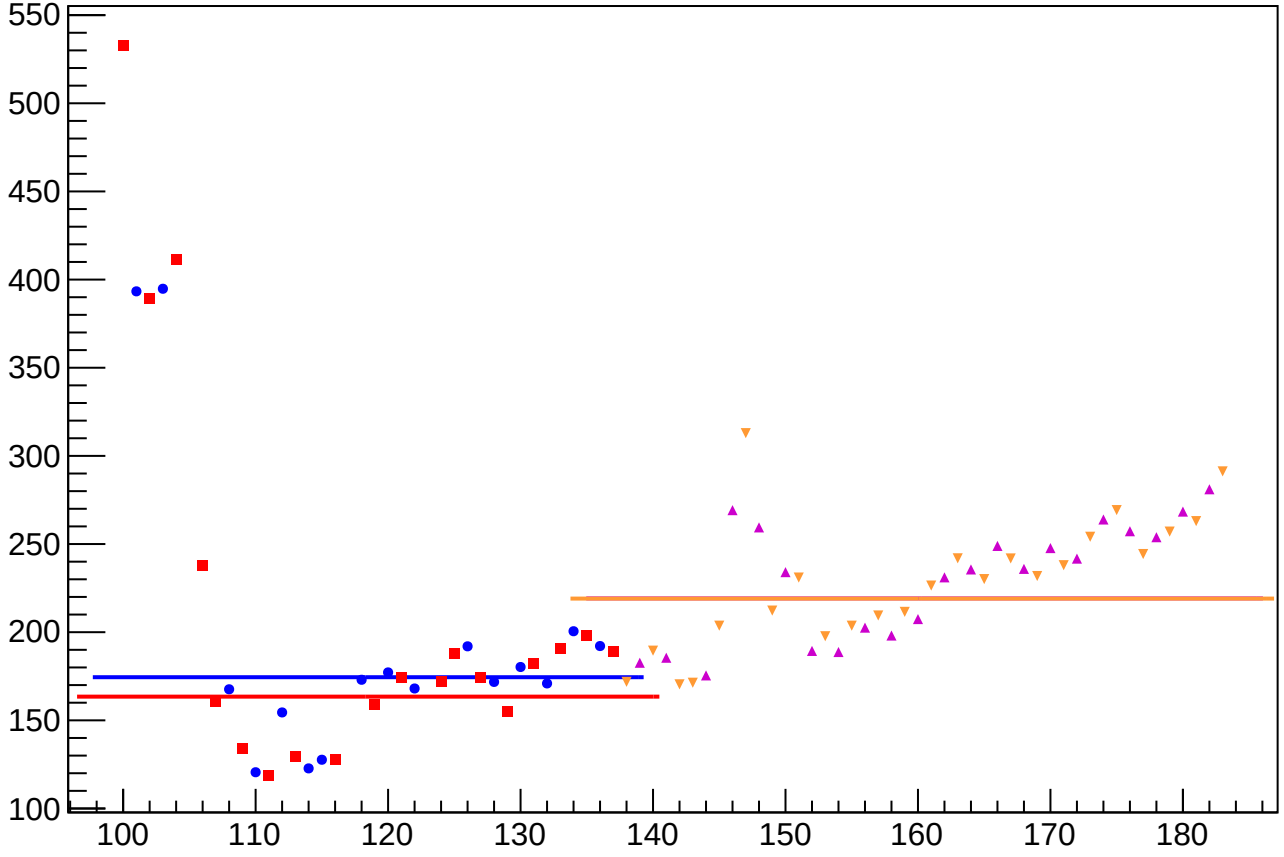
Left In: 142507.661+/-0.053 χ^2/NDF:269271713.8/21

+ sign 142676.674+/-0.041 χ^2/NDF: 475939897.9/3

All: 142655.475+/-0.029 χ^2/NDF: 82376700

- sign 142634.716+/-0.041 χ^2/NDF: 347300326.3/4

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 219.059+/-0.036 χ^2/NDF:872430.9/23

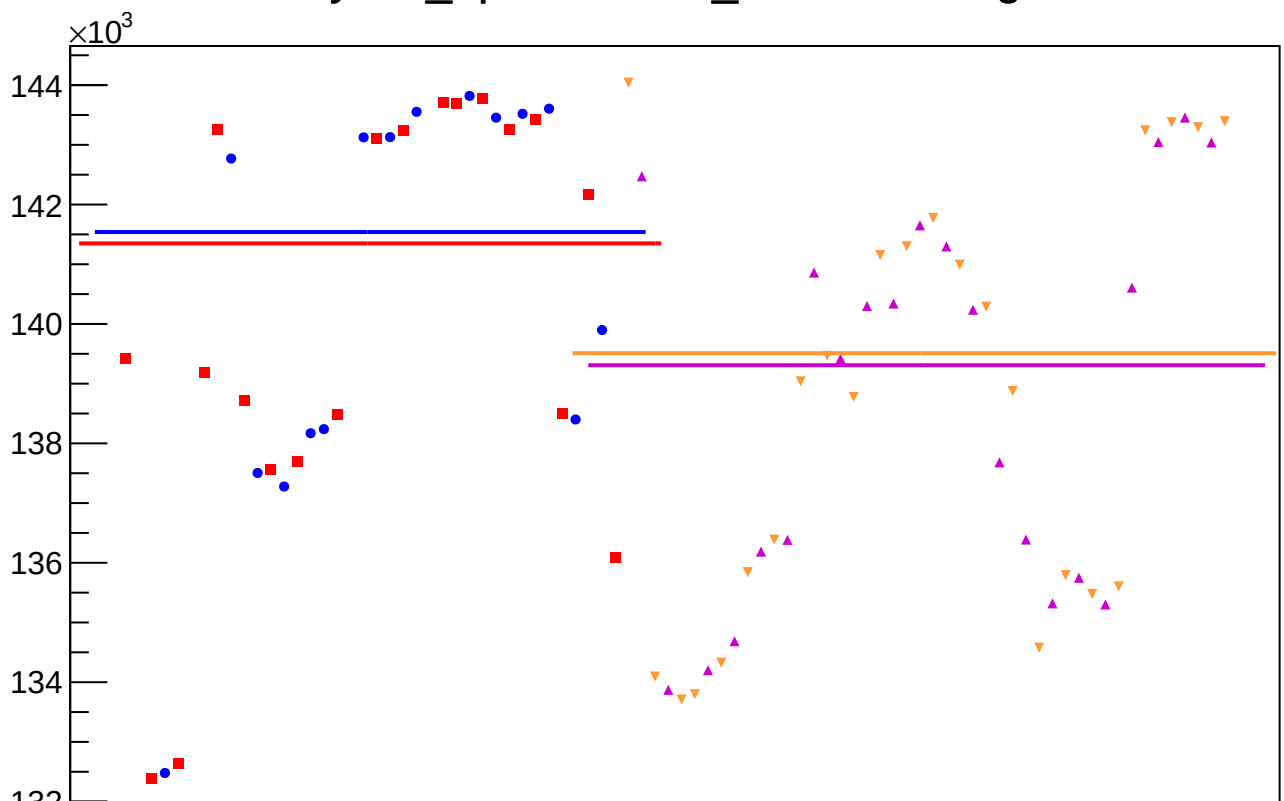
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 219.161+/-0.037 χ^2/NDF:771410.8/21

+ sign 203.295+/-0.029 χ^2/NDF: 2459839.3/39

All: 199.960+/-0.020 χ^2/NDF: 5443312.1/80

- sign 196.694+/-0.029 χ^2/NDF: 2957399.0/40



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139509.916+/-0.071 χ^2/NDF:2542503535.4/23

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

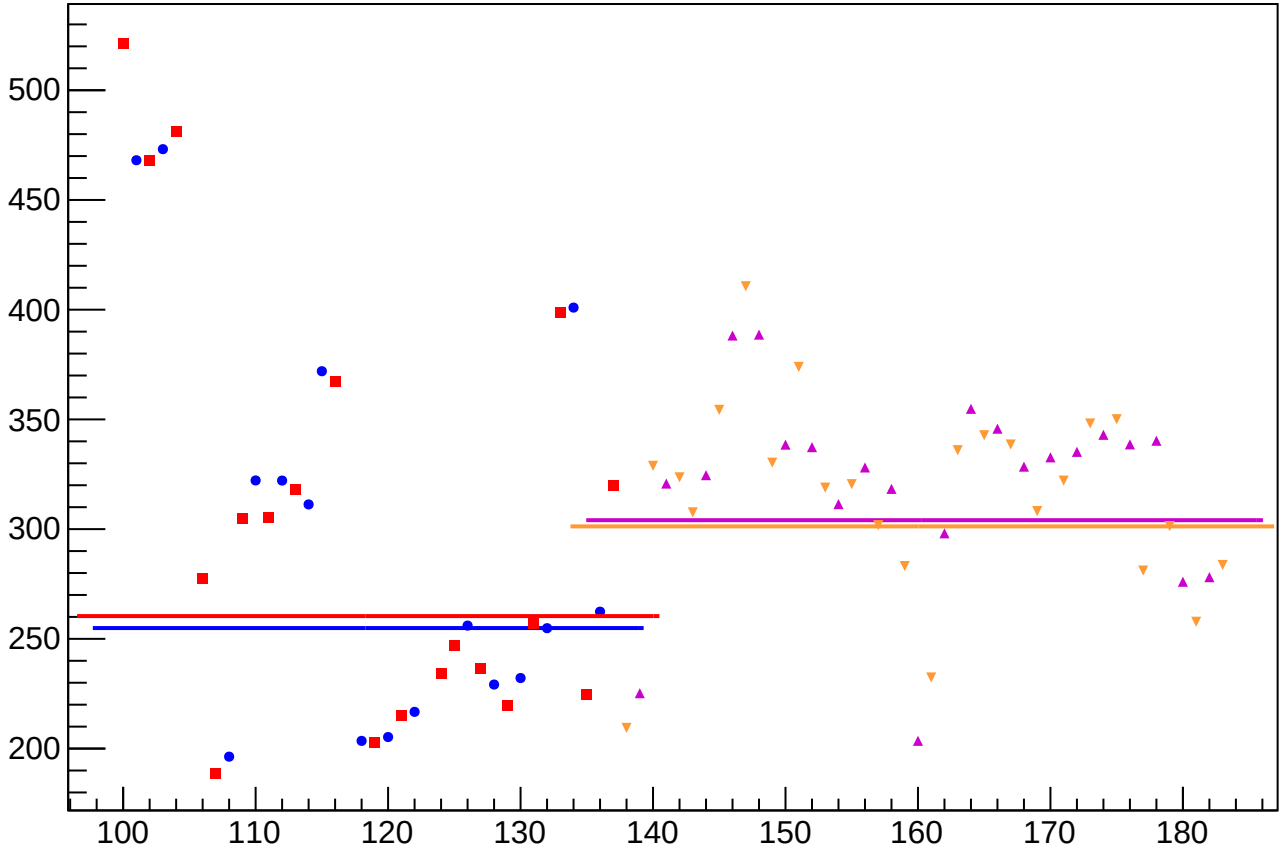
Left In: 139309.224+/-0.074 χ^2/NDF:1874301368.4/21

+ sign 140177.557+/-0.058 χ^2/NDF: 3762226618.5

All: 140099.457+/-0.041 χ^2/NDF: 68332214

- sign 140016.730+/-0.060 χ^2/NDF: 3067237731.9/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 301.248+/-0.050 χ^2/NDF:874830.6/23

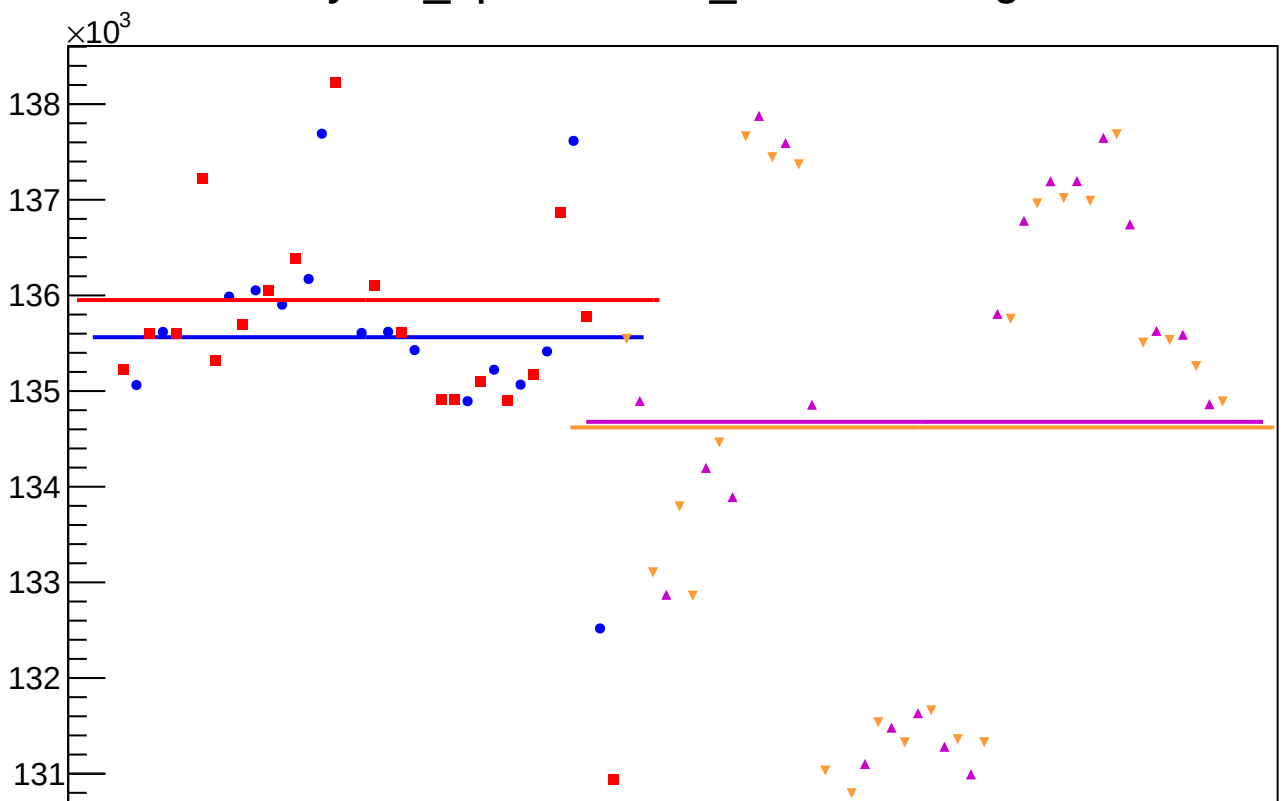
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 304.072+/-0.052 χ^2/NDF:972807.3/21

\+ sign 286.008+/-0.041 χ^2/NDF: 2108232.0/39

All: 287.420+/-0.029 χ^2/NDF: 4321146.1/80

\- sign 288.917+/-0.042 χ^2/NDF: 2210455.8/40



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134620.035+/-0.064 χ^2/NDF:1201451534.3/23

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

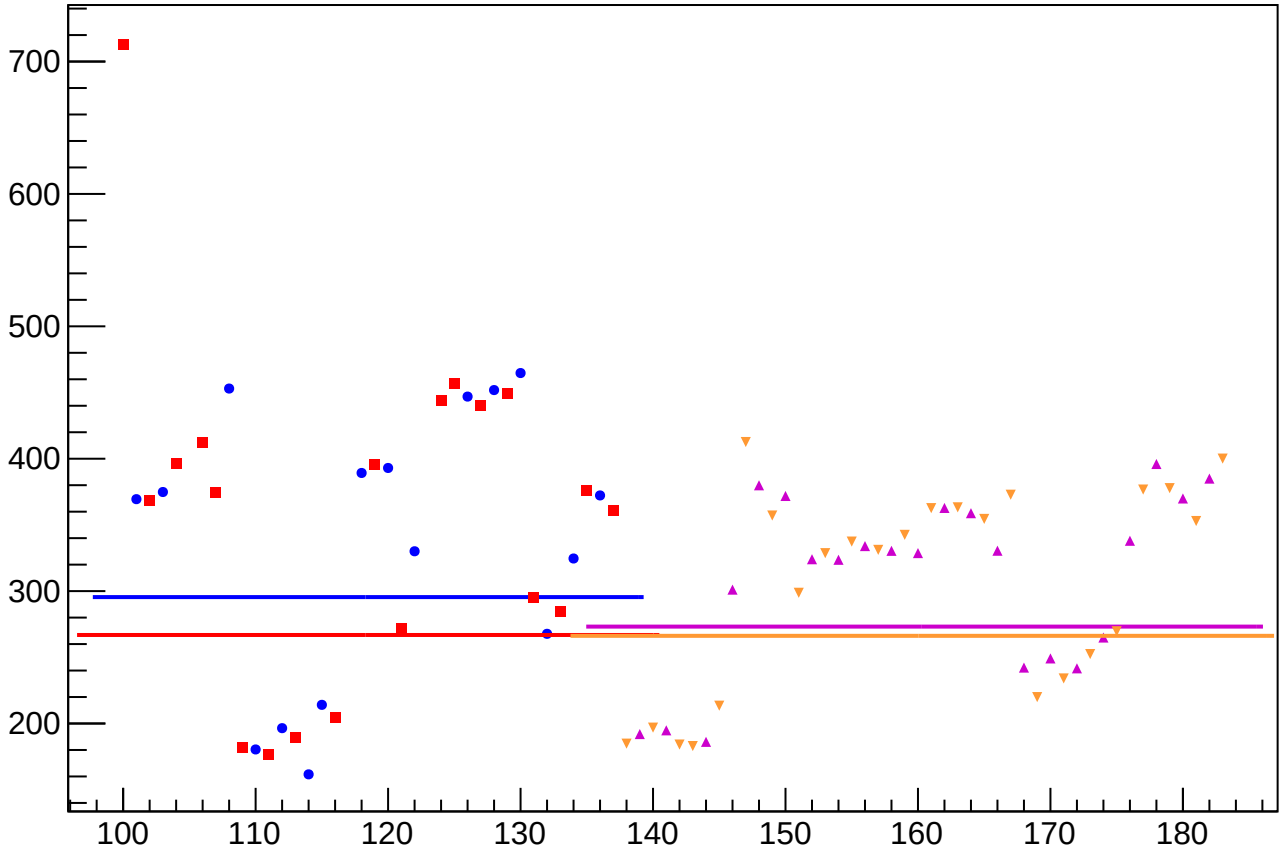
Left In: 134678.413+/-0.067 χ^2/NDF:1096295233.5/21

+ sign 134832.930+/-0.056 χ^2/NDF: 1344775030.5

All: 134936.123+/-0.040 χ^2/NDF: 26418846

- sign 135041.351+/-0.057 χ^2/NDF: 1290308402.9/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 266.221+/-0.045 χ^2/NDF:2781056.8/23

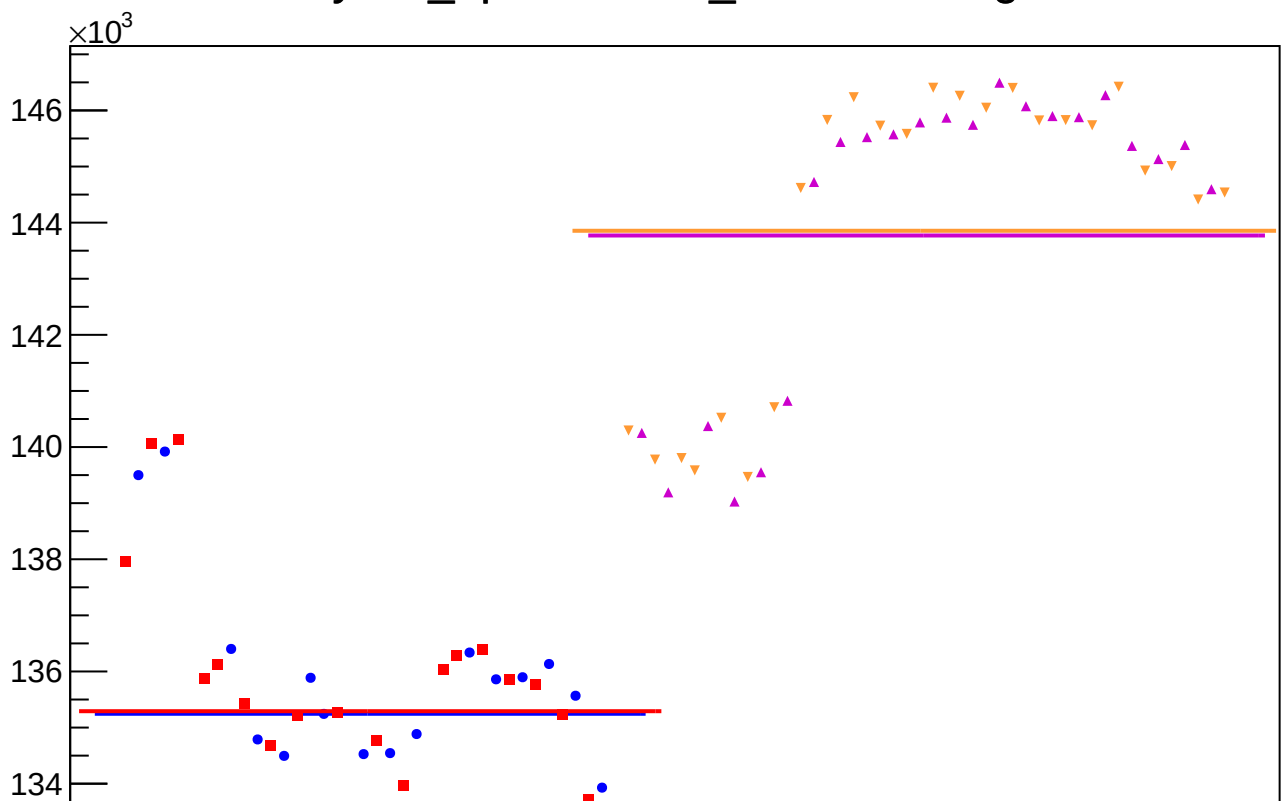
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 273.194+/-0.047 χ^2/NDF:2182197.0/21

\+ sign 272.827+/-0.040 χ^2/NDF: 4318231.9/39

All: 272.115+/-0.028 χ^2/NDF: 8184214.7/80

\- sign 271.389+/-0.040 χ^2/NDF: 3865335.4/40



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143855.045+/-0.049 χ^2/NDF:3130160811.7/23

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

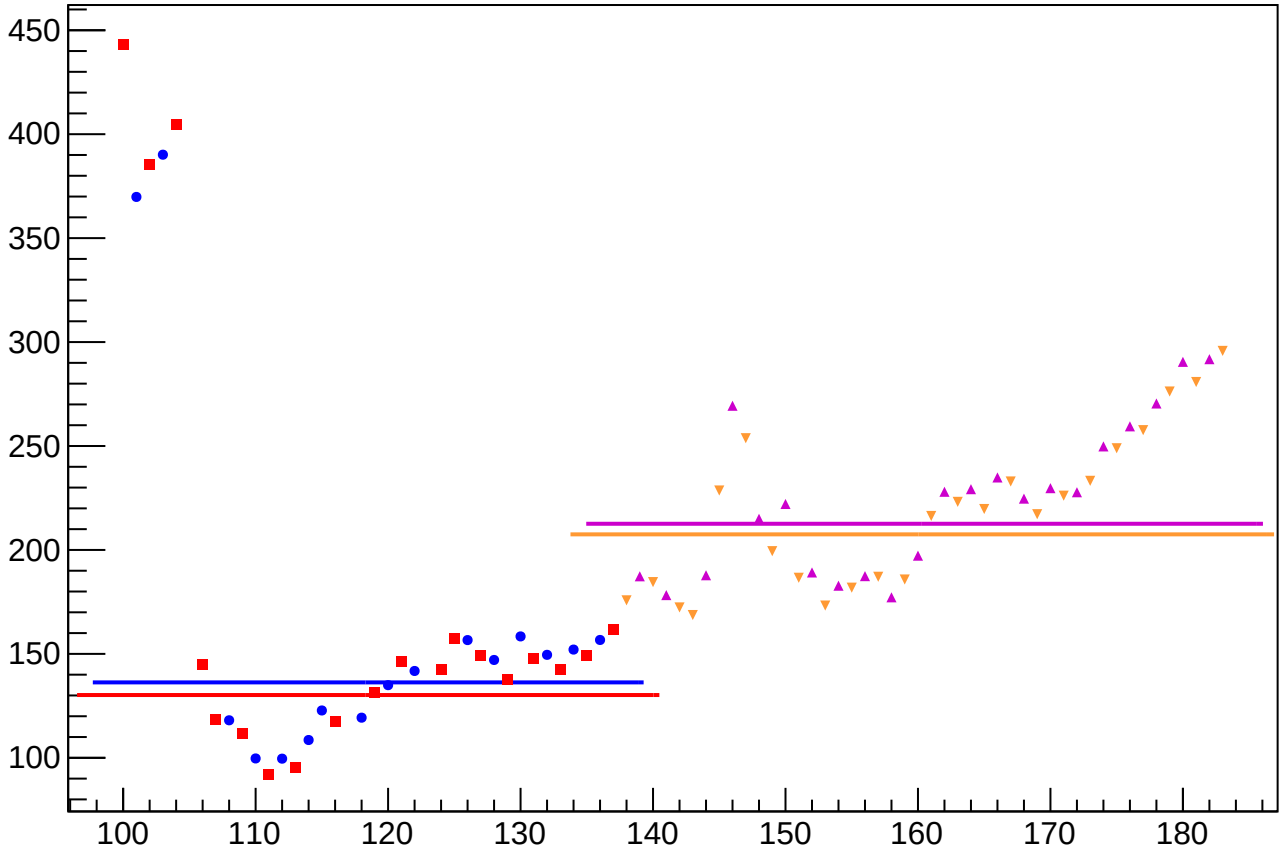
Left In: 143770.818+/-0.051 χ^2/NDF:2803125585.1/21

+ sign 140067.191+/-0.036 χ^2/NDF: 17378147504.

All: 139824.988+/-0.026 χ^2/NDF: 34234593

- sign 139581.768+/-0.036 χ^2/NDF: 16767178648.9

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 207.498+/-0.034 χ^2/NDF:949255.4/23

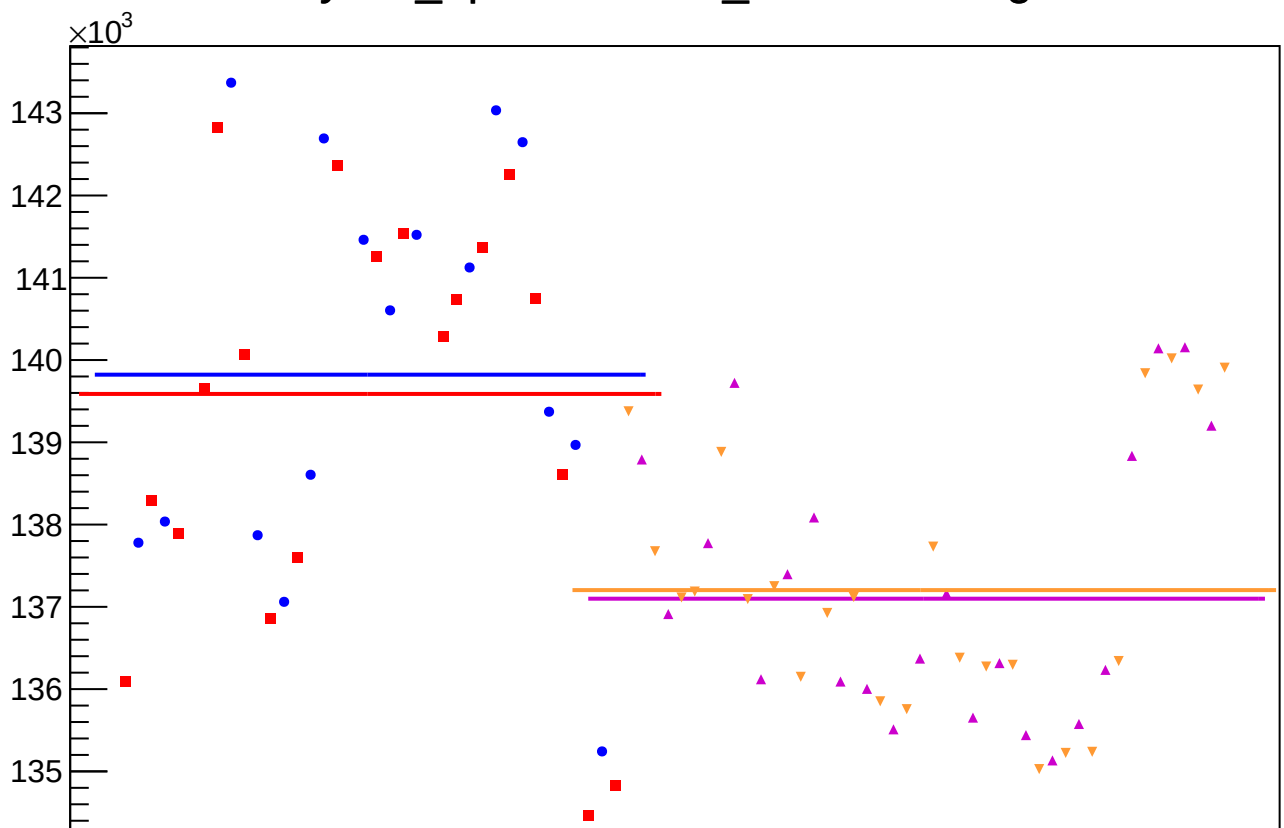
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 212.594+/-0.036 χ^2/NDF:822112.8/21

+ sign 176.164+/-0.026 χ^2/NDF: 4230079.2/39

All: 174.032+/-0.018 χ^2/NDF: 9151614.7/80

- sign 171.890+/-0.026 χ^2/NDF: 4907698.0/40



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137203.480+/-0.049 χ^2/NDF:872230758.3/23

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

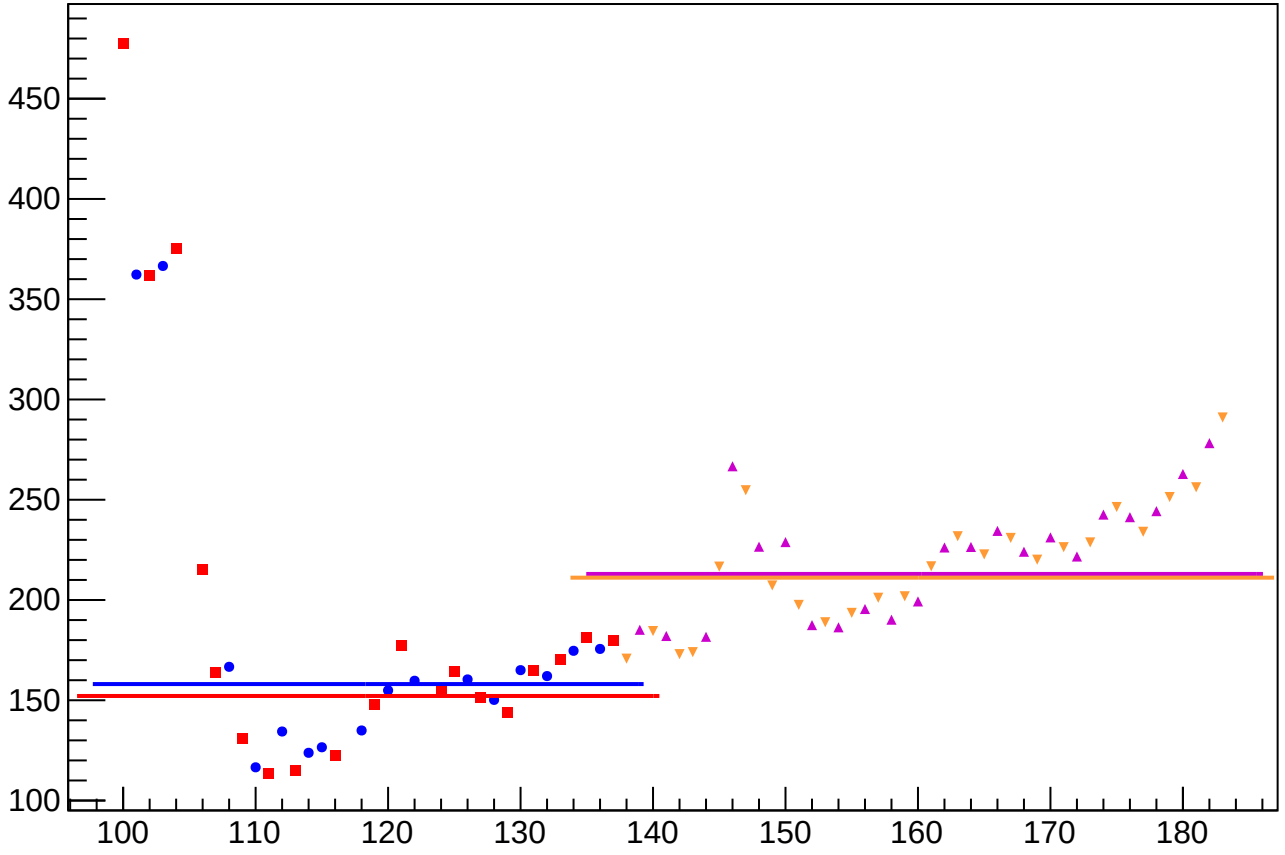
Left In: 137099.031+/-0.051 χ^2/NDF:835274173.0/21

+ sign 138204.361+/-0.039 χ^2/NDF: 3616937993.8

All: 138178.198+/-0.027 χ^2/NDF: 6937984

- sign 138151.833+/-0.039 χ^2/NDF: 3320128546.7/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 211.138+/-0.035 χ^2/NDF:639146.1/23

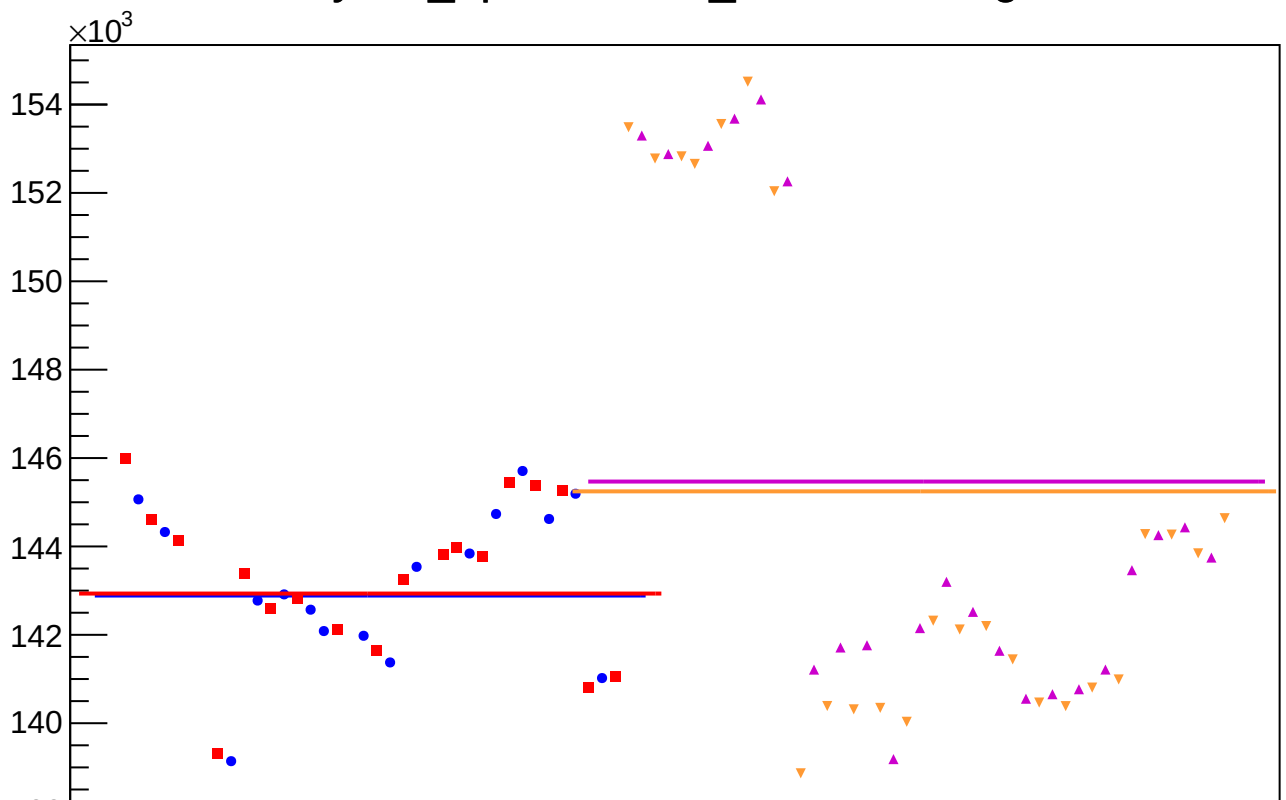
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 212.999+/-0.036 χ^2/NDF:586563.2/21

\+ sign 190.858+/-0.027 χ^2/NDF: 2544929.7/39

All: 189.063+/-0.019 χ^2/NDF: 5567377.0/80

\- sign 187.254+/-0.027 χ^2/NDF: 3013808.3/40



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145246.473+/-0.050 χ^2/NDF:13032098300.3/23

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

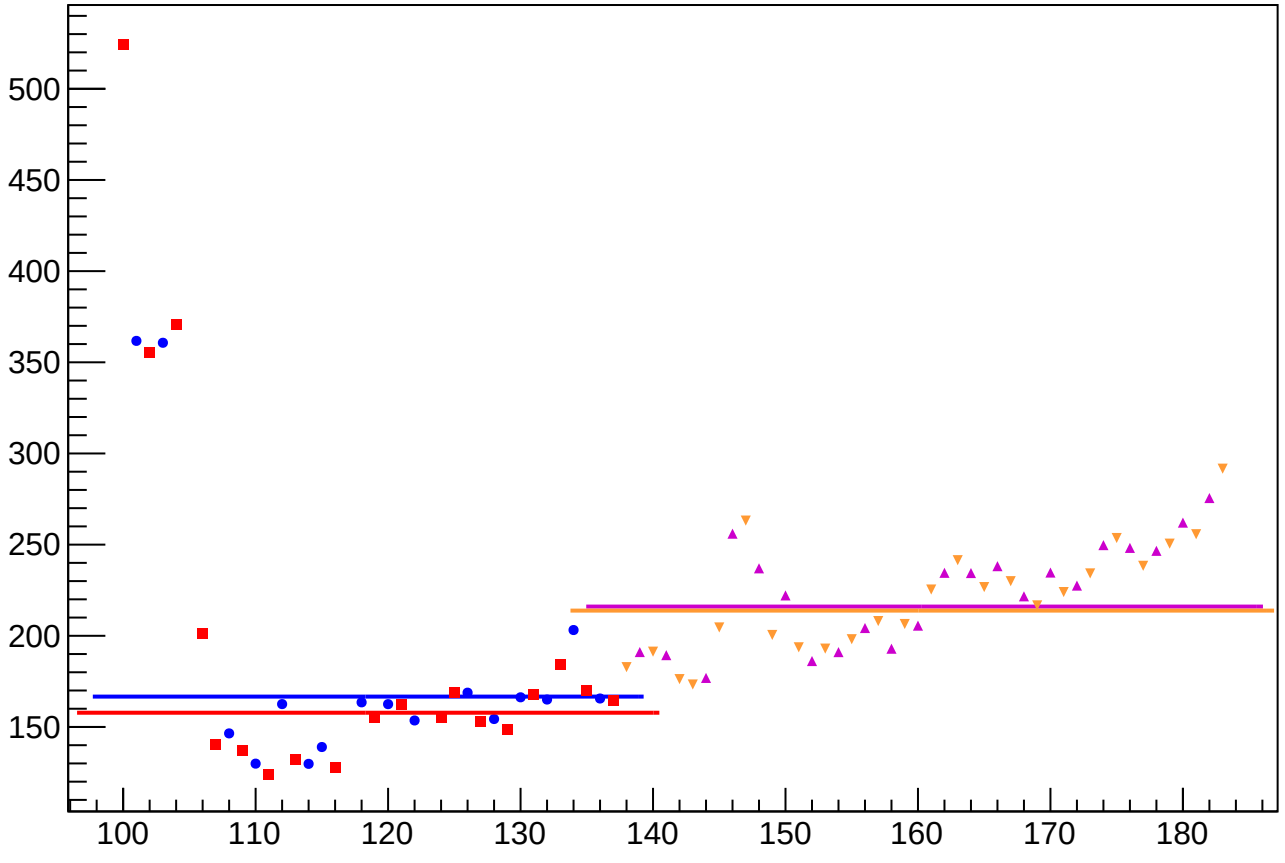
Left In: 145468.217+/-0.052 χ^2/NDF:11067689489.7/21

+ sign 144385.854+/-0.040 χ^2/NDF: 14612951248.

All: 144401.304+/-0.028 χ^2/NDF: 27460720

- sign 144416.712+/-0.040 χ^2/NDF: 12847466429.

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 213.820+/-0.035 χ^2/NDF:609014.9/23

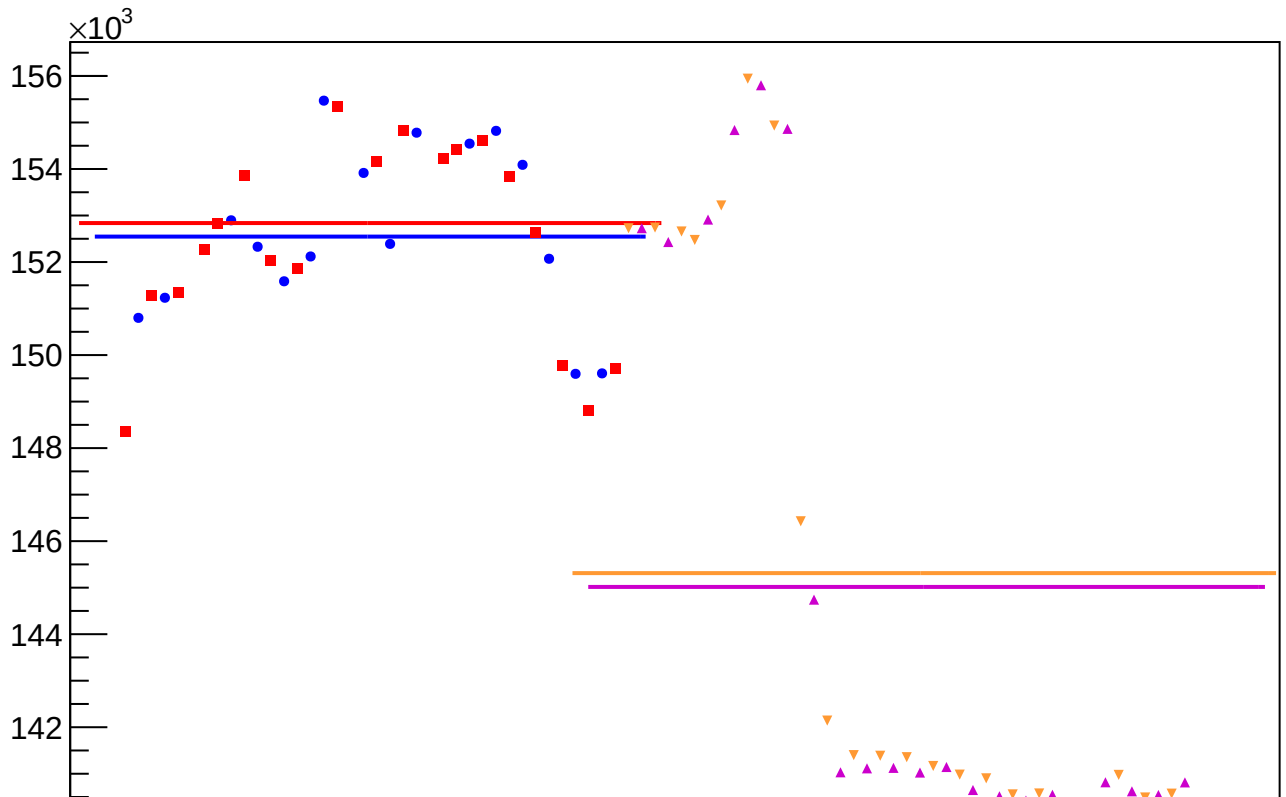
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 216.027+/-0.037 χ^2/NDF:555552.7/21

+ sign 196.599+/-0.028 χ^2/NDF: 2127224.7/39

All: 194.233+/-0.020 χ^2/NDF: 4766700.2/80

- sign 191.872+/-0.028 χ^2/NDF: 2625271.6/40



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145312.813+/-0.050 χ^2/NDF:13613112060.9/23

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

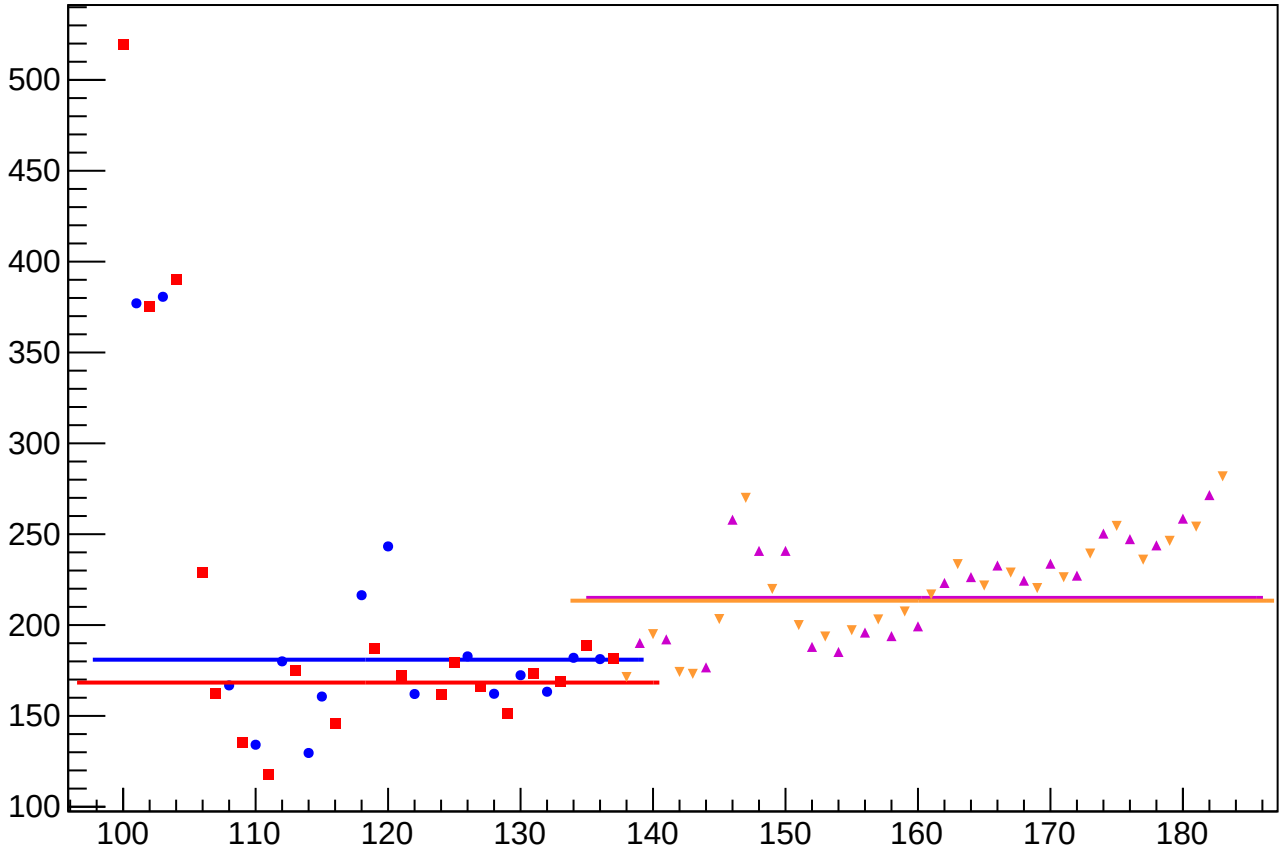
Left In: 145015.955+/-0.051 χ^2/NDF:13057896783.6/21

+ sign 147613.428+/-0.041 χ^2/NDF: 21035963446.4

All: 147775.676+/-0.029 χ^2/NDF: 43490399

- sign 147936.185+/-0.041 χ^2/NDF: 22423207901.6

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 213.414+/-0.035 χ^2/NDF:621503.7/23

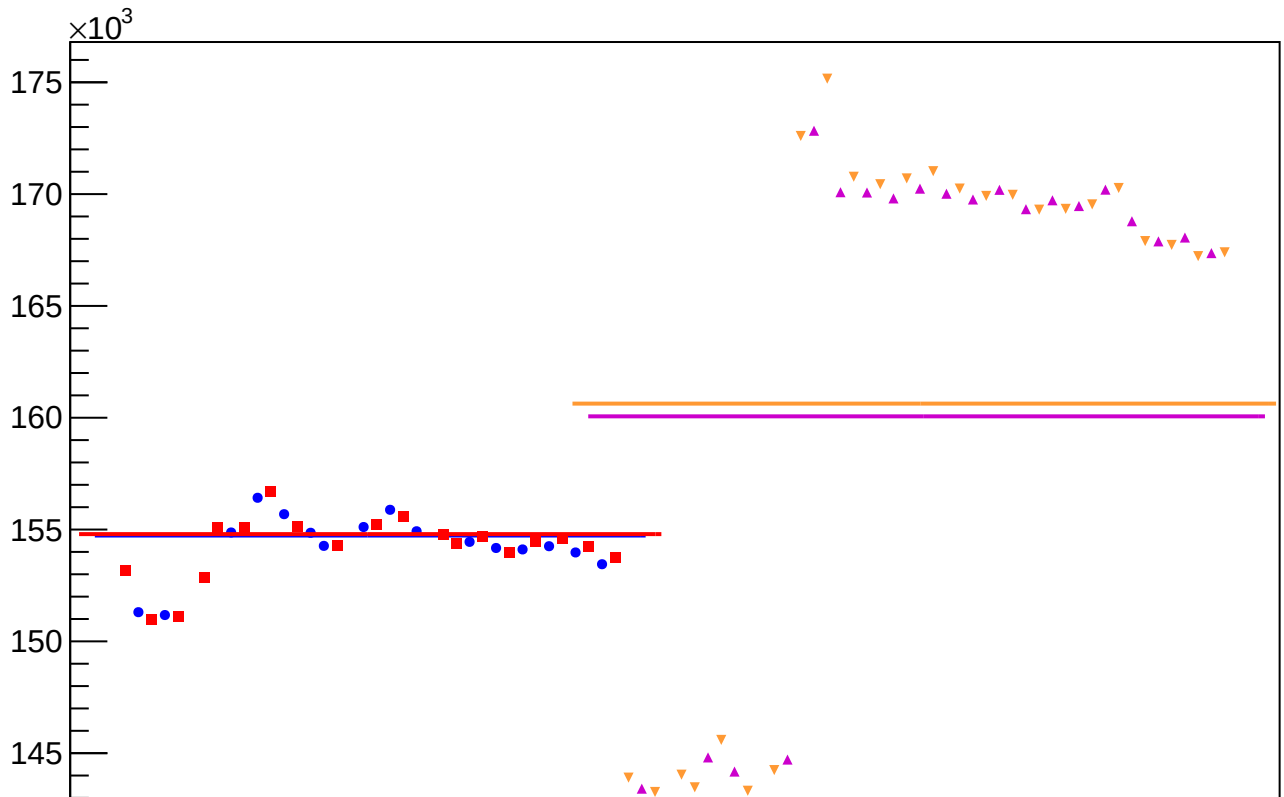
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 214.941+/-0.036 χ^2/NDF:572468.7/21

+ sign 203.086+/-0.029 χ^2/NDF: 1802073.5/39

All: 200.301+/-0.020 χ^2/NDF: 4094315.0/80

- sign 197.546+/-0.029 χ^2/NDF: 2273842.5/40



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160631.679+/-0.048 χ^2/NDF:74033954974.9/23

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

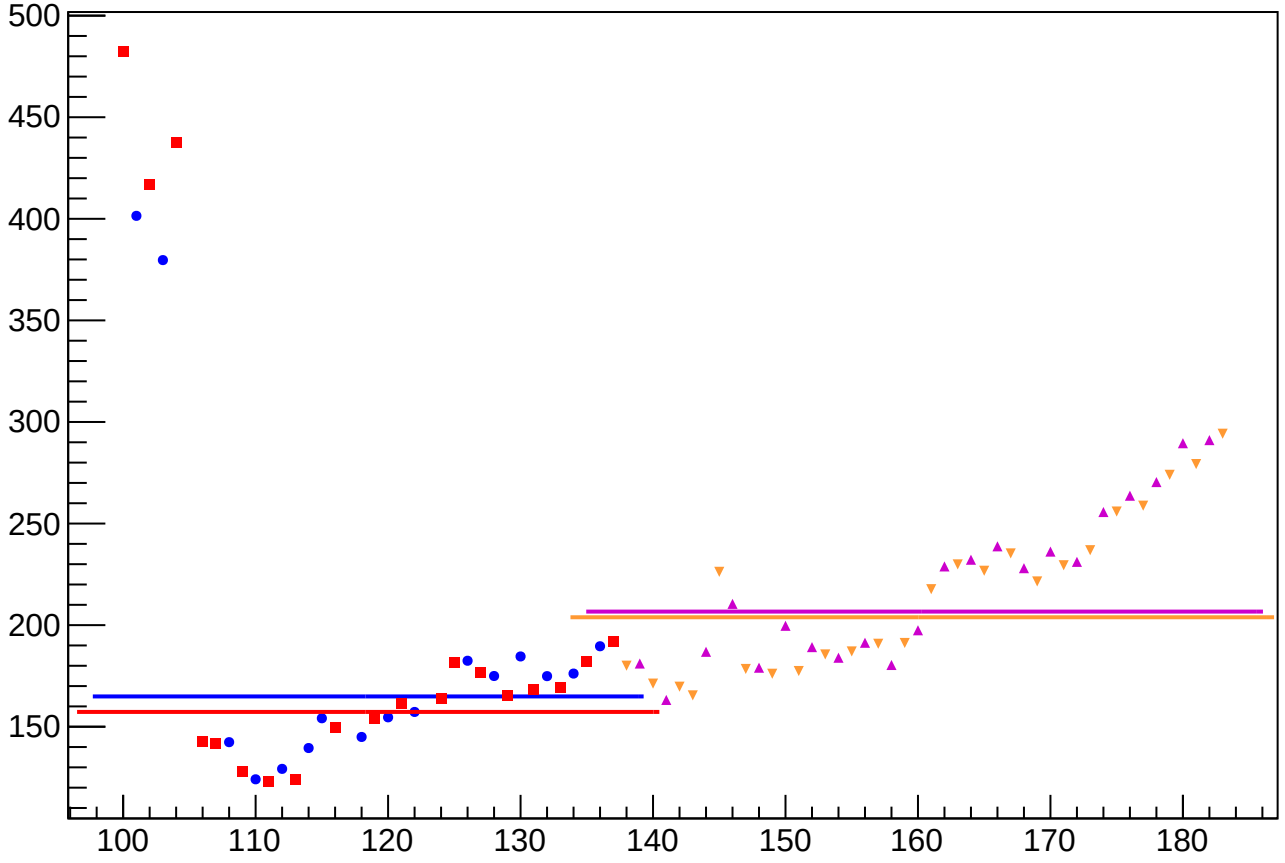
Left In: 160062.096+/-0.050 χ^2/NDF:66398236149.2/21

+ sign 158583.318+/-0.038 χ^2/NDF: 79651493843.

All: 158276.744+/-0.027 χ^2/NDF: 15096256

- sign 157968.895+/-0.038 χ^2/NDF: 71183453022.

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 203.873+/-0.034 χ^2/NDF:1025774.1/23

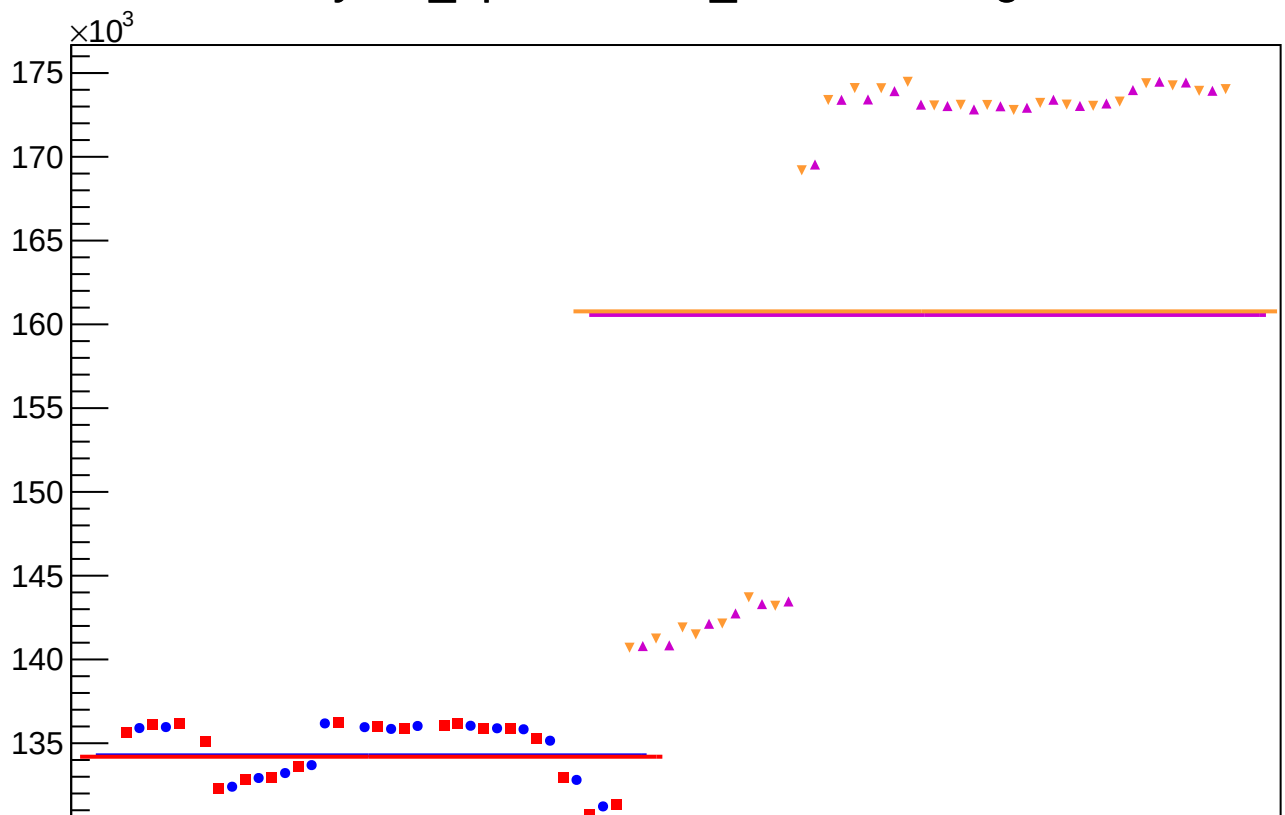
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 206.668+/-0.035 χ^2/NDF:907097.0/21

+ sign 190.341+/-0.027 χ^2/NDF: 2564854.5/39

All: 188.693+/-0.019 χ^2/NDF: 5522312.6/80

- sign 187.039+/-0.027 χ^2/NDF: 2950085.4/40



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 160775.532+/-0.049 χ^2/NDF:98792086652.4/23

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

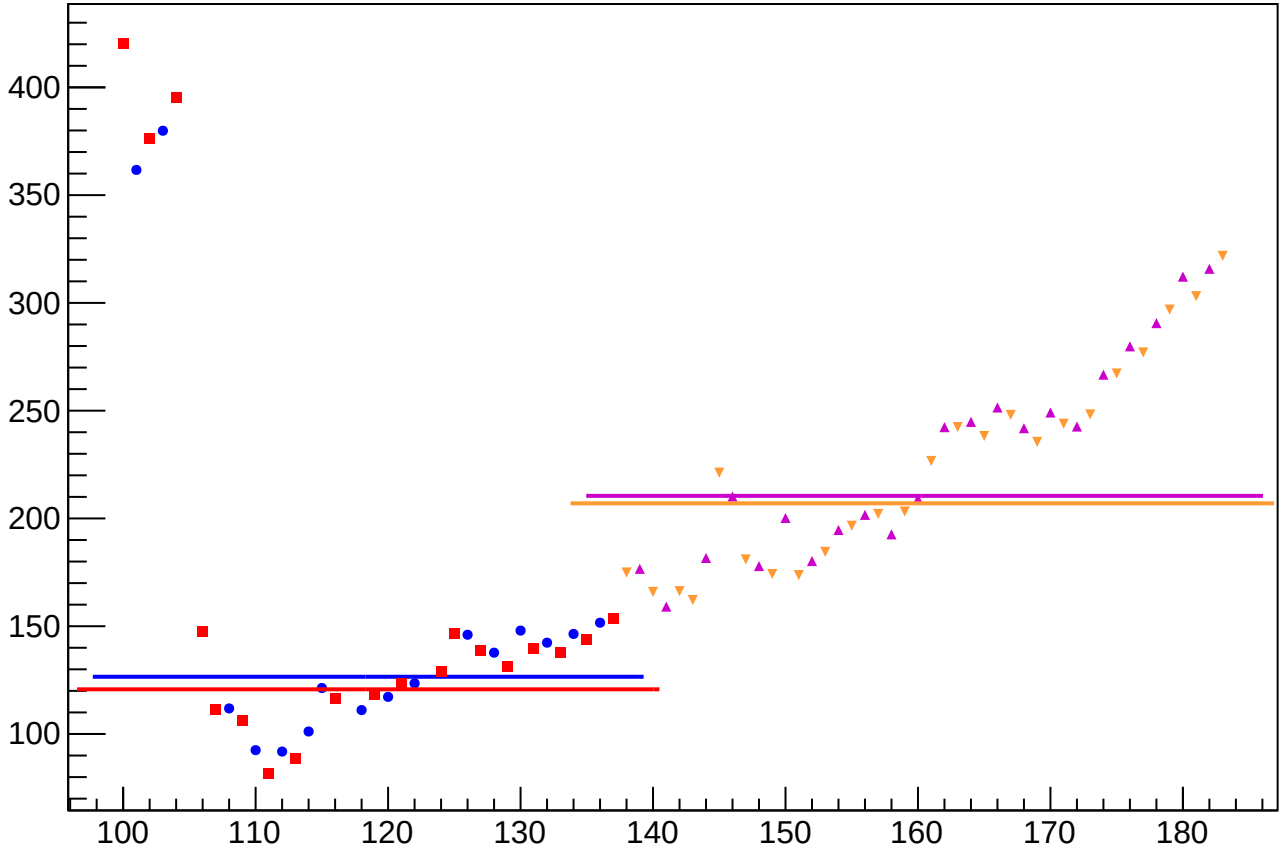
Left In: 160562.477+/-0.051 χ^2/NDF:89691454295.4/21

+ sign 148126.060+/-0.035 χ^2/NDF: 242012313242

All: 147372.056+/-0.025 χ^2/NDF: 476263395

- sign 146628.335+/-0.035 χ^2/NDF: 233335263032

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 207.017+/-0.034 χ^2/NDF:1435645.1/23

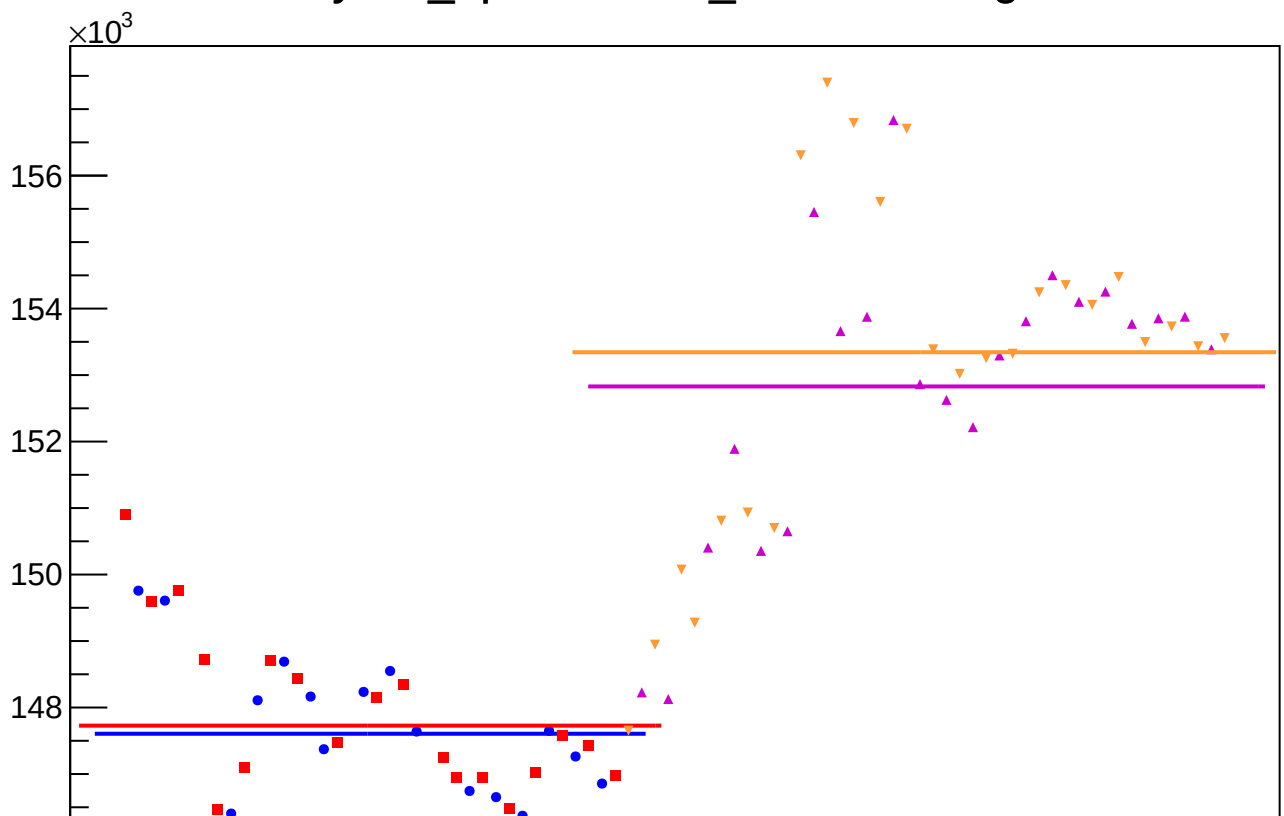
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 210.476+/-0.036 χ^2/NDF:1239674.6/21

+ sign 168.606+/-0.025 χ^2/NDF: 5533095.8/39

All: 165.807+/-0.017 χ^2/NDF: 11731587.0/80

- sign 163.045+/-0.025 χ^2/NDF: 6173232.8/40



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153343.798+/-0.051 χ^2/NDF:2978577882.6/23

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

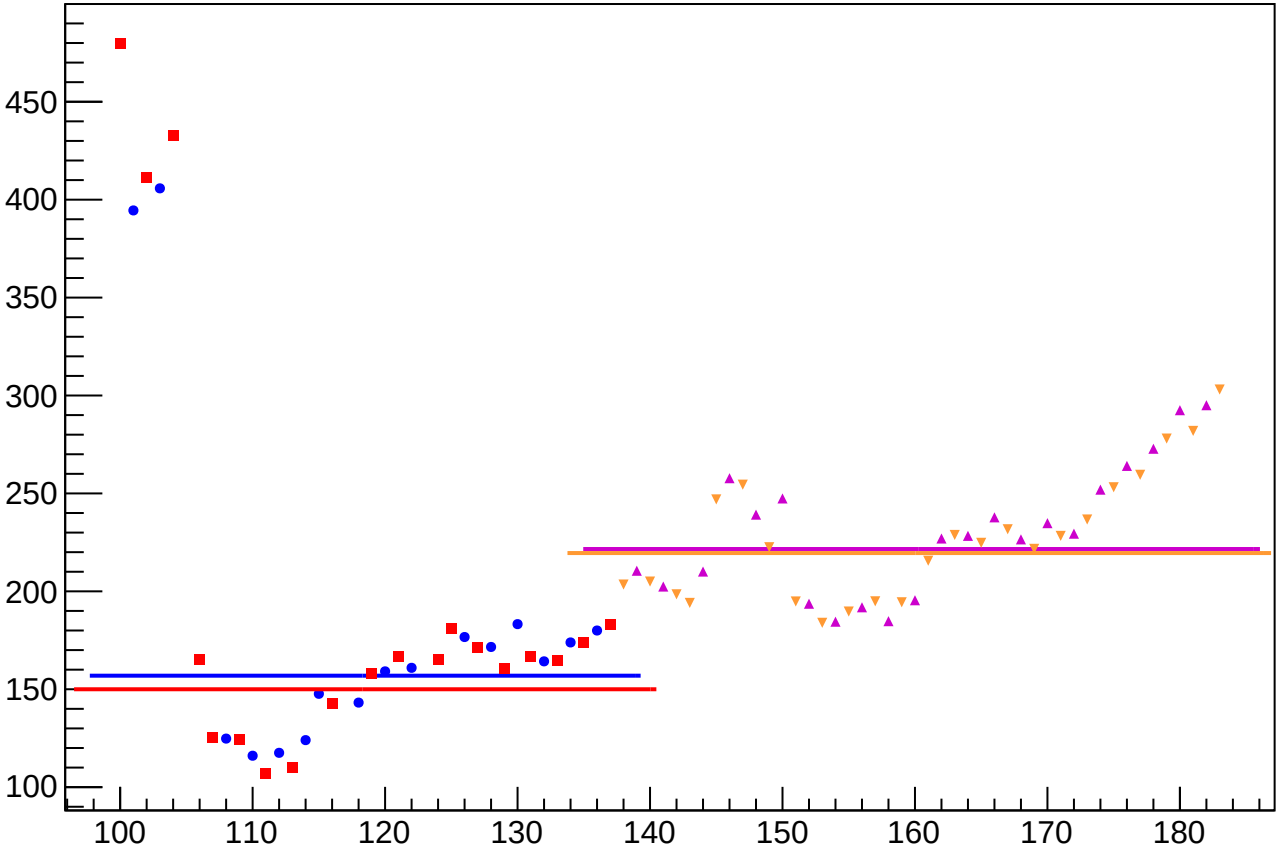
Left In: 152829.123+/-0.053 χ^2/NDF:1914185052.8/21

+ sign 151049.787+/-0.040 χ^2/NDF: 8242714384.4

All: 150797.595+/-0.028 χ^2/NDF: 14573634

- sign 150546.426+/-0.039 χ^2/NDF: 6249564604.2/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 219.549+/-0.036 χ^2/NDF:646800.3/23

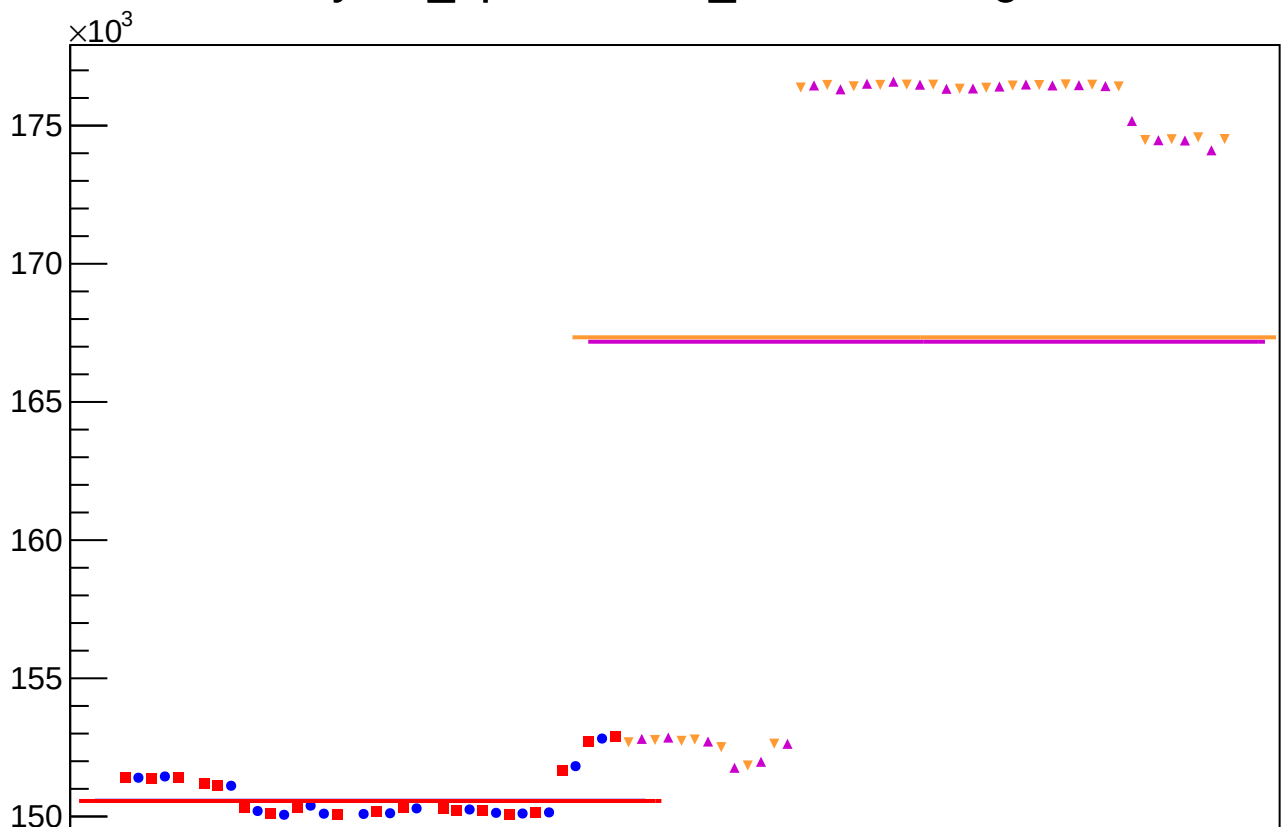
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 221.614+/-0.037 χ^2/NDF:658884.8/21

+ sign 194.514+/-0.028 χ^2/NDF: 3118706.9/39

All: 192.036+/-0.020 χ^2/NDF: 6879364.0/80

- sign 189.567+/-0.028 χ^2/NDF: 3744940.5/40



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167339.202+/-0.047 χ^2/NDF:59449479543.7723

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

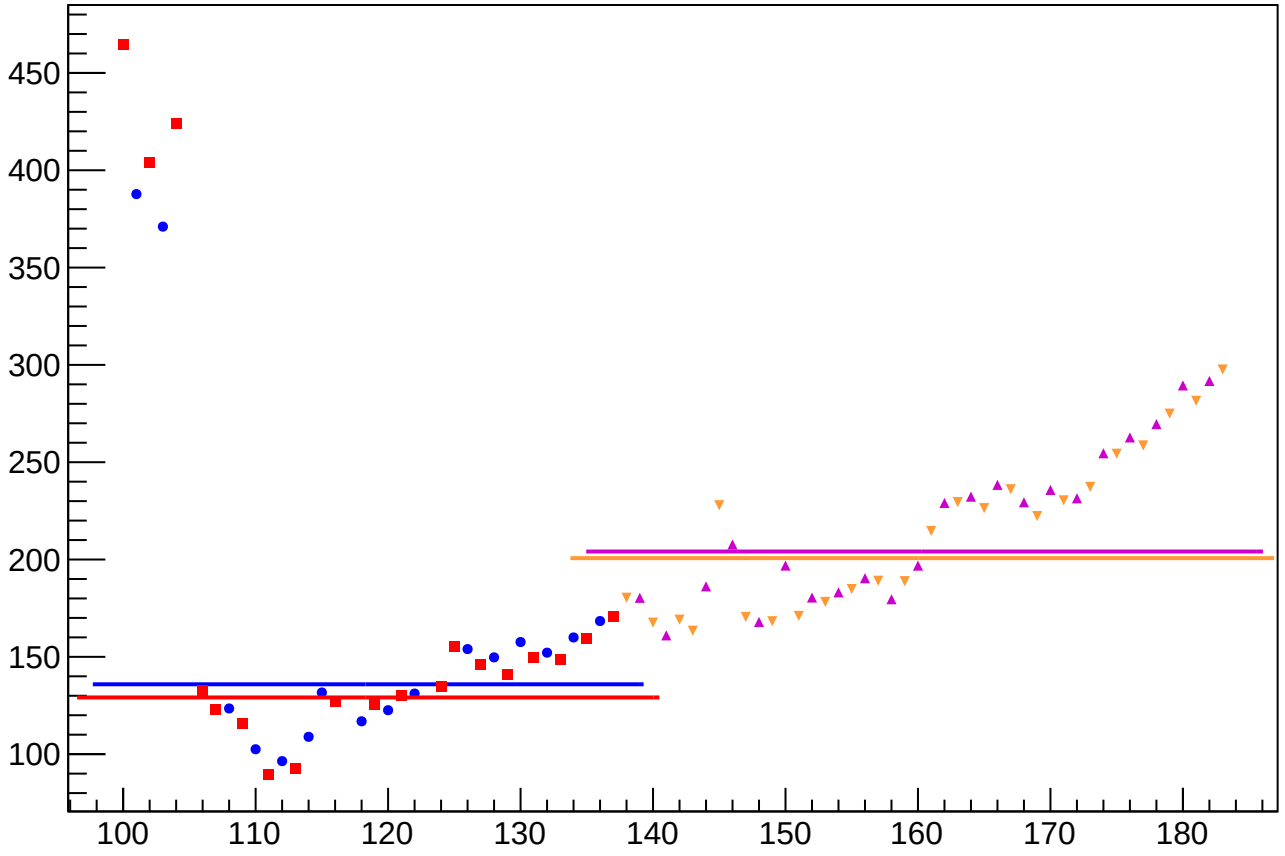
Left In: 167179.852+/-0.049 χ^2/NDF:54938476032.9/21

+ sign 160223.643+/-0.036 χ^2/NDF: 11397993909

All: 159703.692+/-0.025 χ^2/NDF: 2247091

- sign 159190.215+/-0.035 χ^2/NDF: 110304569070

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 200.708+/-0.033 χ^2/NDF:1175639.8/23

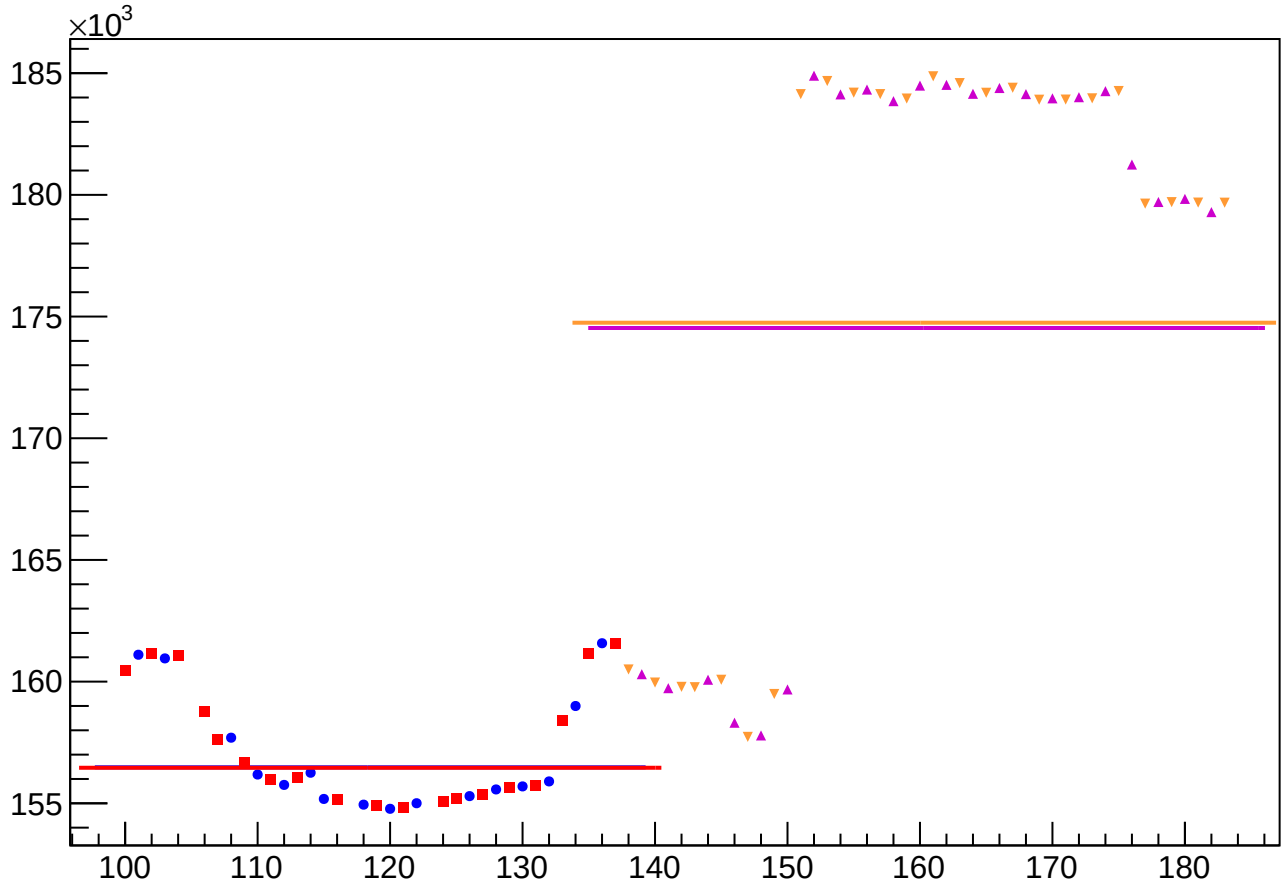
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 204.109+/-0.035 χ^2/NDF:997162.7/21

+ sign 173.209+/-0.025 χ^2/NDF: 4213757.2/39

All: 170.619+/-0.018 χ^2/NDF: 9092373.2/80

- sign 168.061+/-0.025 χ^2/NDF: 4857538.2/40



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174747.219+/-0.048 χ^2/NDF:58061358551.5/23

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

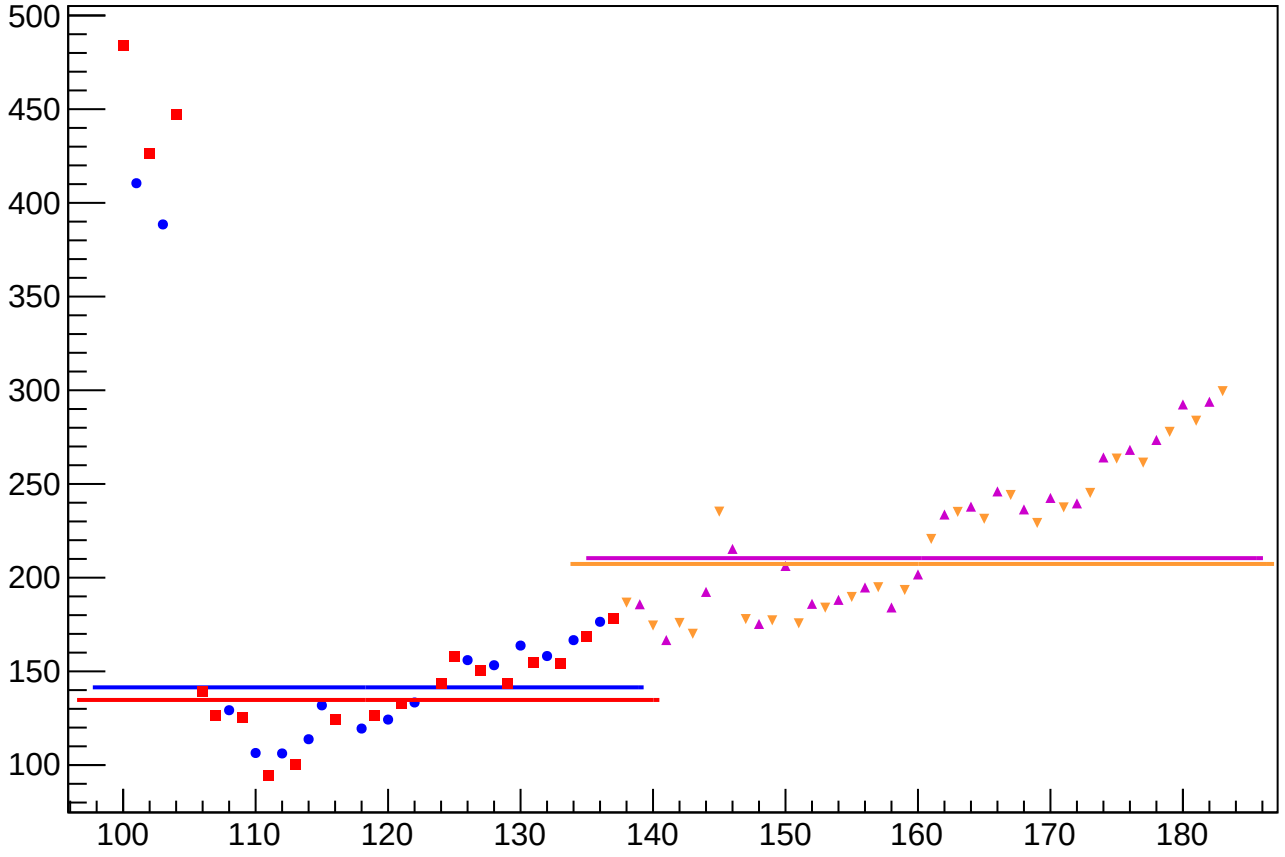
Left In: 174529.829+/-0.051 χ^2/NDF:54678882565.5/21

+ sign 167070.366+/-0.037 χ^2/NDF: 11929966441

All: 166504.967+/-0.026 χ^2/NDF: 2362748

- sign 165946.075+/-0.037 χ^2/NDF: 116506539754

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 207.320+/-0.034 χ^2/NDF:1082977.5/23

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

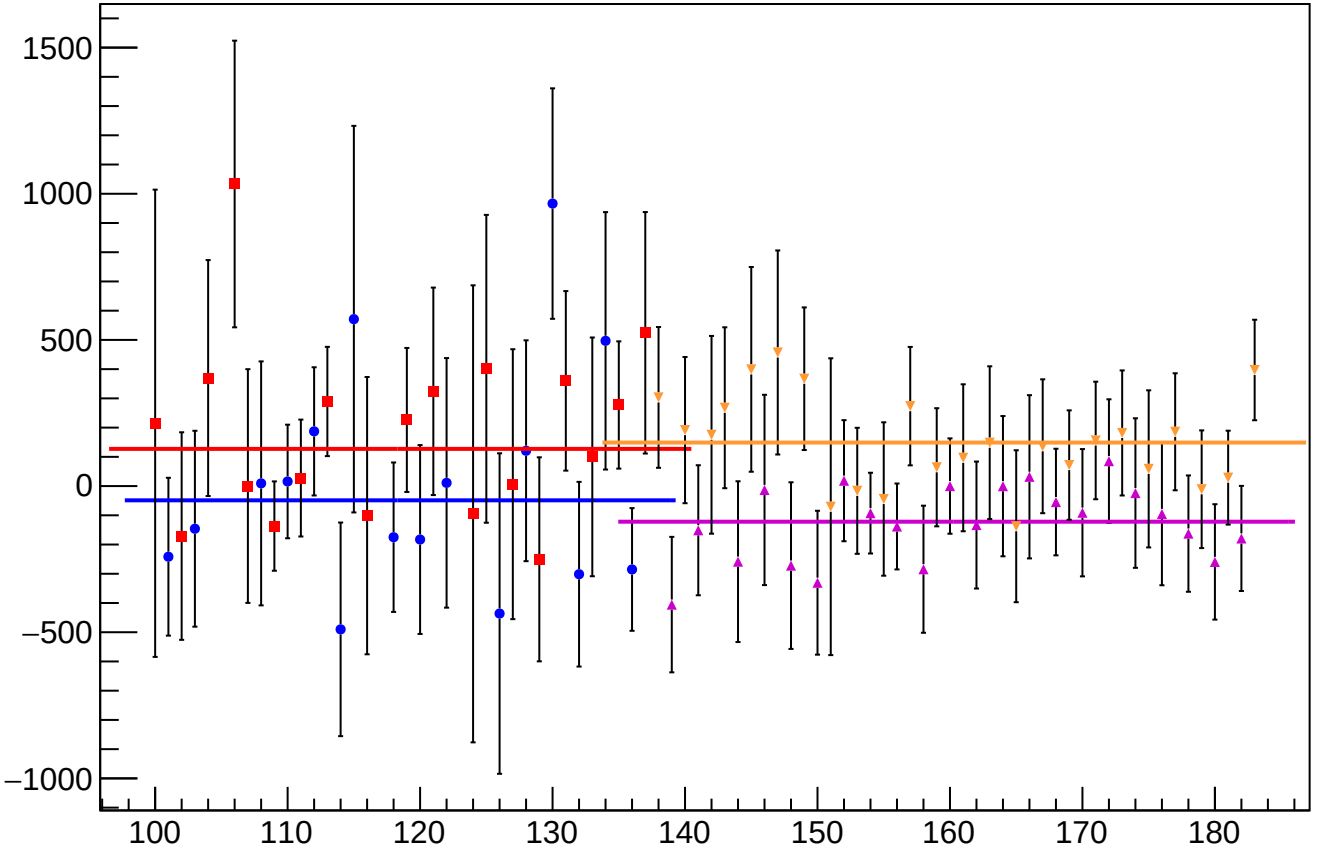
Left In: 210.418+/-0.036 χ^2/NDF:943702.1/21

+ sign 179.649+/-0.026 χ^2/NDF: 4032634.8/39

All: 177.044+/-0.018 χ^2/NDF: 8705392.7/80

- sign 174.470+/-0.026 χ^2/NDF: 4652873.1/40

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 148.894+/-47.000 χ^2/NDF:9.5/23

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

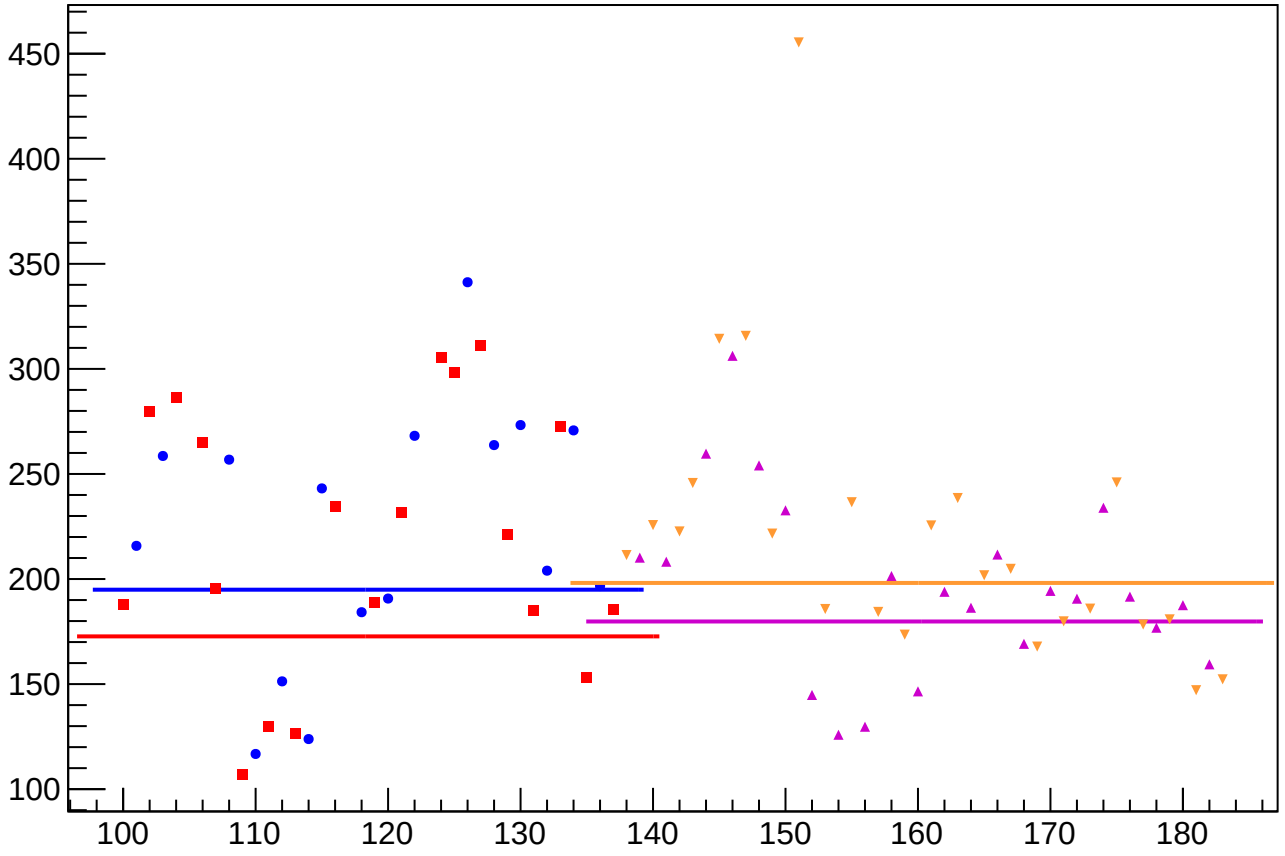
Left In: -121.887+/-44.282 χ^2/NDF:7.0/21

+ sign 94.829+/-40.059 χ^2/NDF: 29.7/39

All: 17.865+/-27.255 χ^2/NDF: 65.8/80

- sign -48.468+/-37.189 χ^2/NDF: 29.2/40

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 198.139+/-0.033 χ^2/NDF:1759362.8/23

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

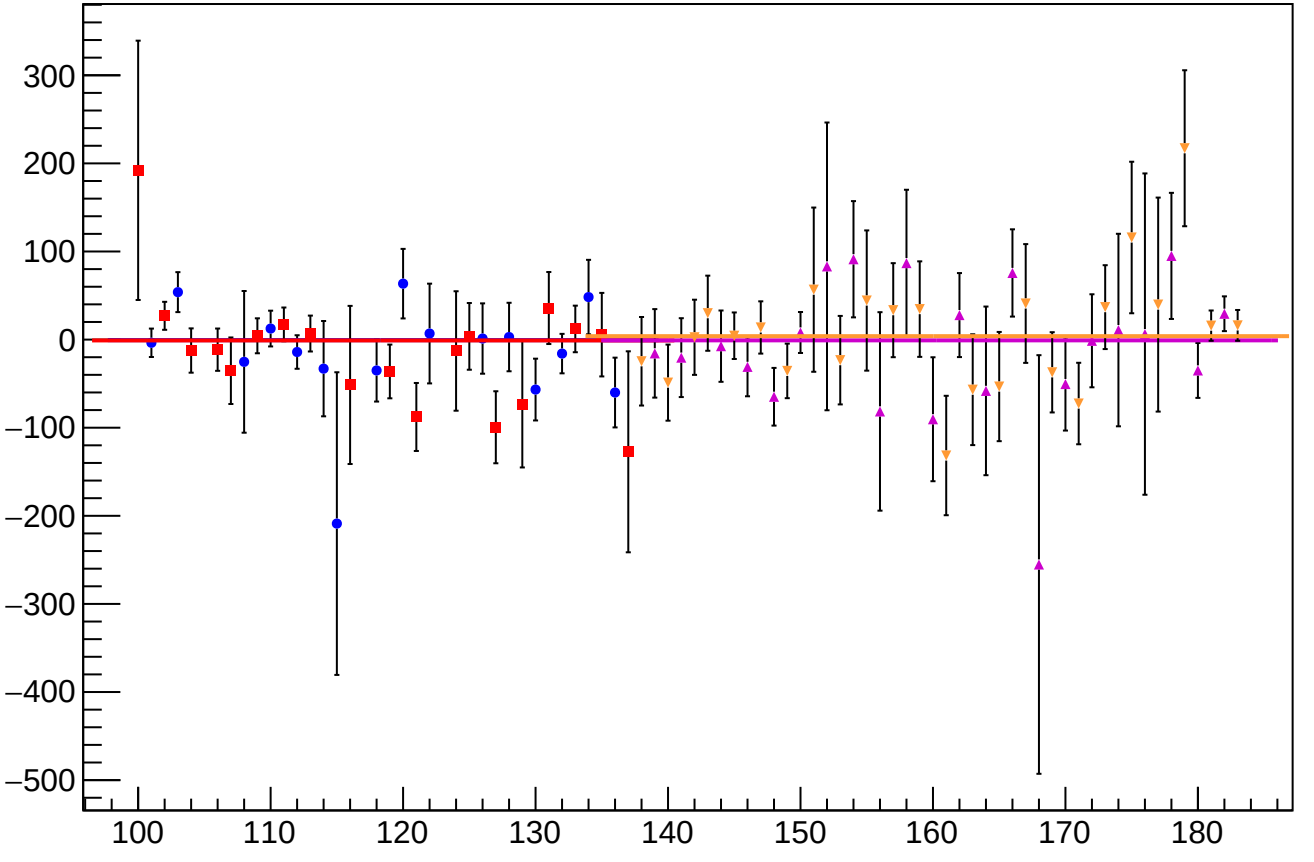
Left In: 179.793+/-0.031 χ^2/NDF:1643005.6/21

+ sign 197.259+/-0.028 χ^2/NDF: 2790826.7/39

All: 186.756+/-0.019 χ^2/NDF: 6336271.9/80

- sign 177.704+/-0.026 χ^2/NDF: 3289463.5/40

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: 3.896+/-7.824 χ^2/NDF:24.1/23

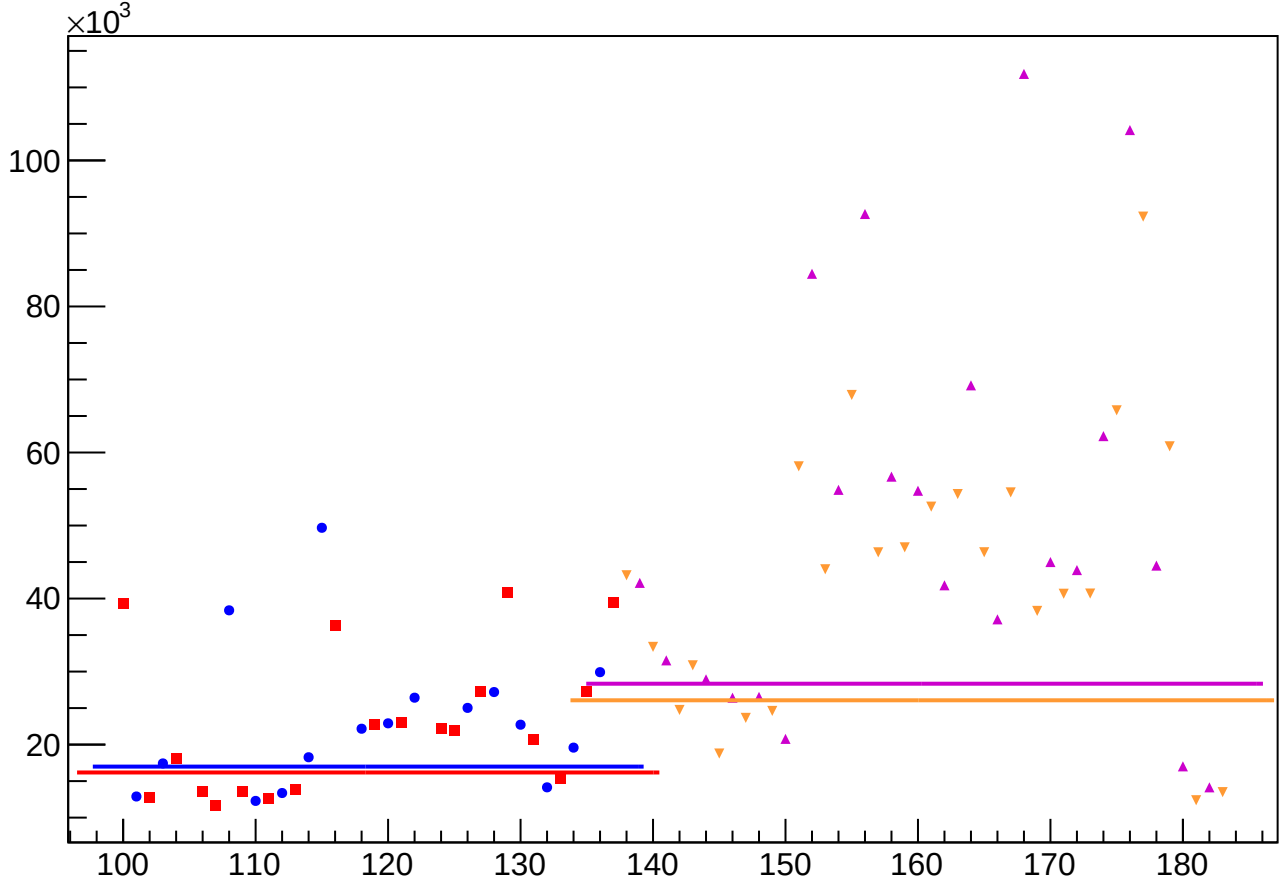
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -0.860+/-9.335 χ^2/NDF:21.0/21

+ sign 1.492+/-5.353 χ^2/NDF: 43.2/39

All: 0.319+/-3.829 χ^2/NDF: 87.3/80

- sign -0.911+/-5.479 χ^2/NDF: 44.1/40



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 26067.116+/-5.532 χ^2/NDF:7563654.8/23

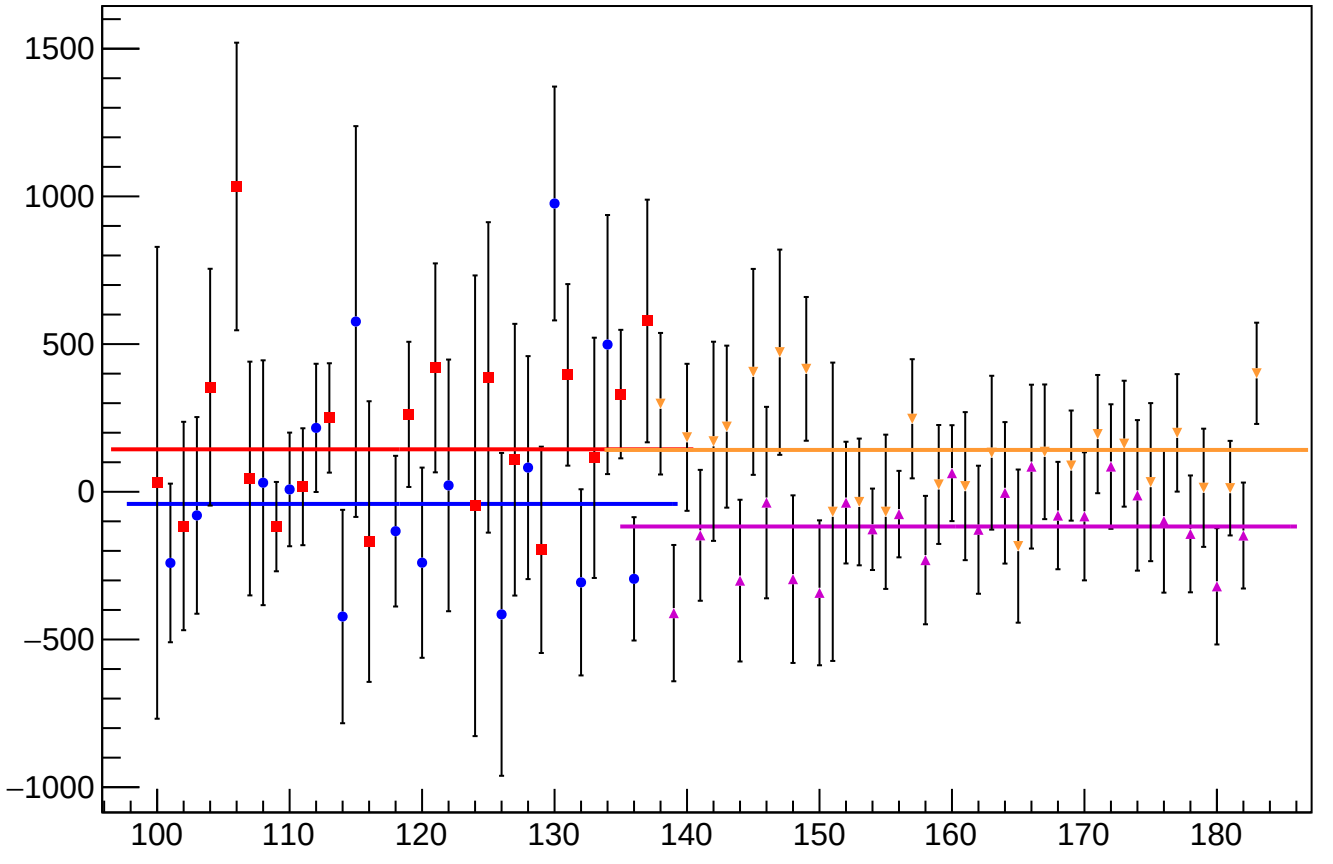
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 28337.659+/-6.601 χ^2/NDF:5257427.8/21

+ sign 21237.492+/-3.785 χ^2/NDF: 10190680.6/39

All: 20813.541+/-2.707 χ^2/NDF: 18948459.8

- sign 20369.451+/-3.874 χ^2/NDF: 8732095.0/40



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 141.706+/-46.803 χ^2/NDF:11.0/23

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

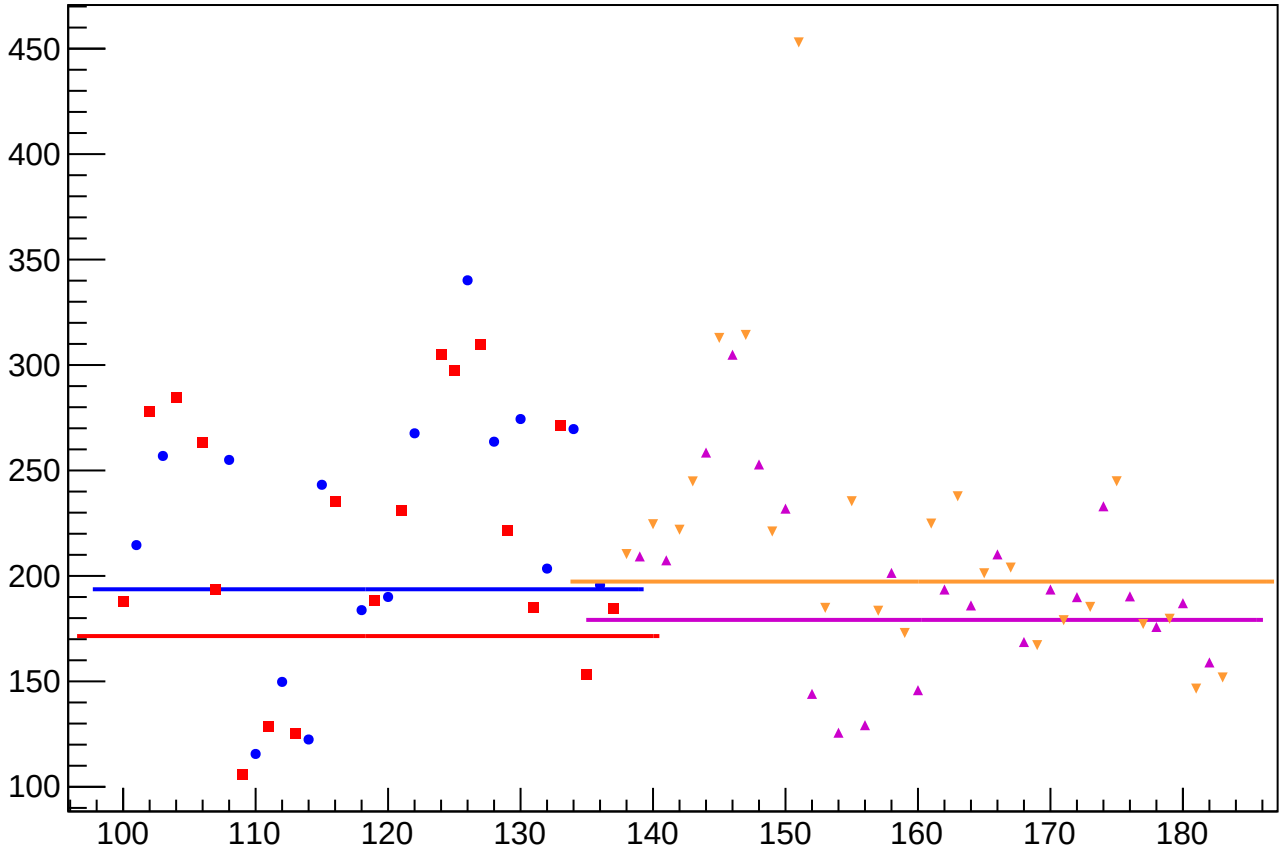
Left In: -117.460+/-44.121 χ^2/NDF:8.2/21

+ sign 91.605+/-39.875 χ^2/NDF: 30.6/39

All: 20.837+/-27.132 χ^2/NDF: 68.0/80

- sign -40.179+/-37.026 χ^2/NDF: 31.5/40

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 197.321+/-0.033 χ^2/NDF:1757153.8/23

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

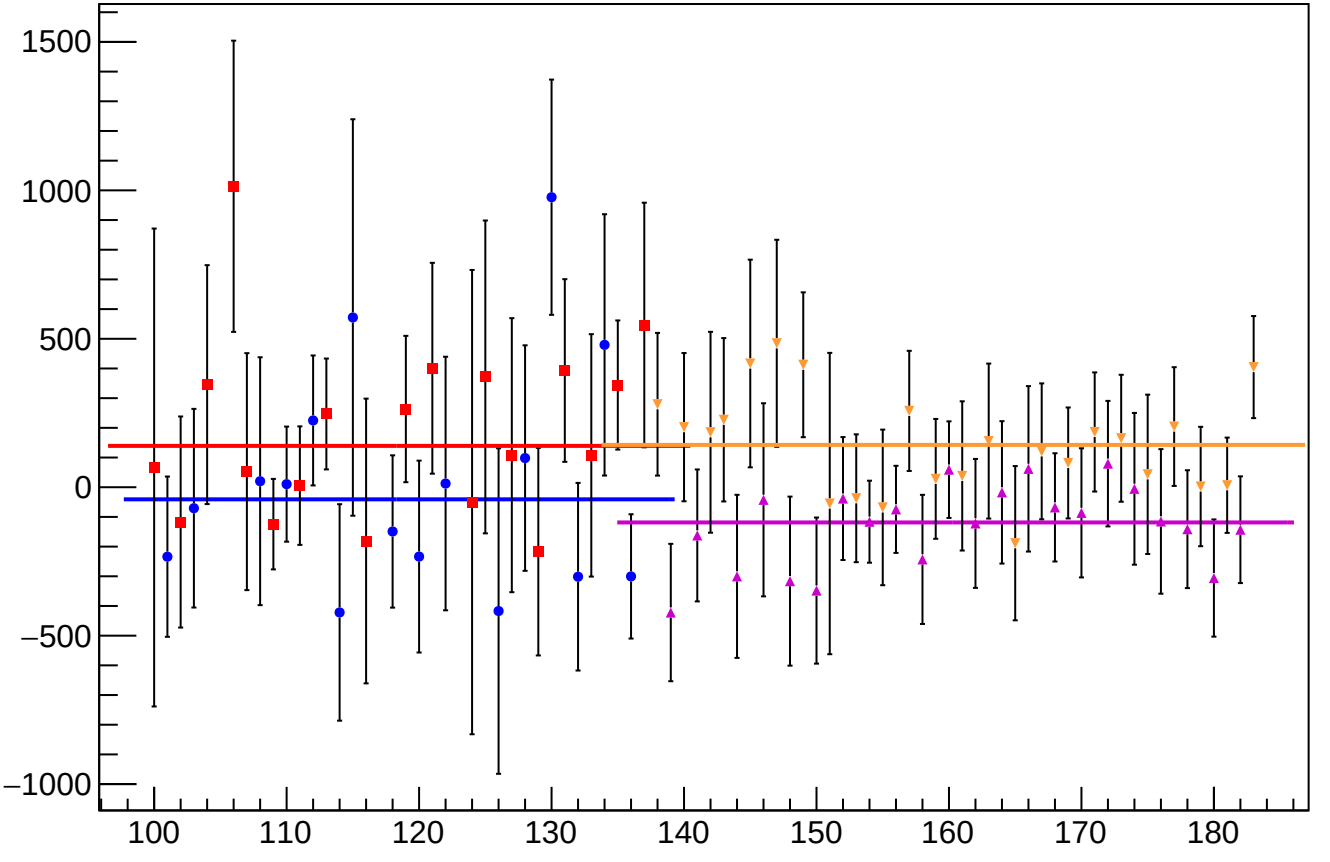
Left In: 179.154+/-0.031 χ^2/NDF:1638970.1/21

+ sign 196.320+/-0.028 χ^2/NDF: 2810262.5/39

All: 185.884+/-0.019 χ^2/NDF: 6375247.2/80

- sign 176.885+/-0.026 χ^2/NDF: 3309836.3/40

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 142.624+/-46.958 χ^2/NDF:11.2/23

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

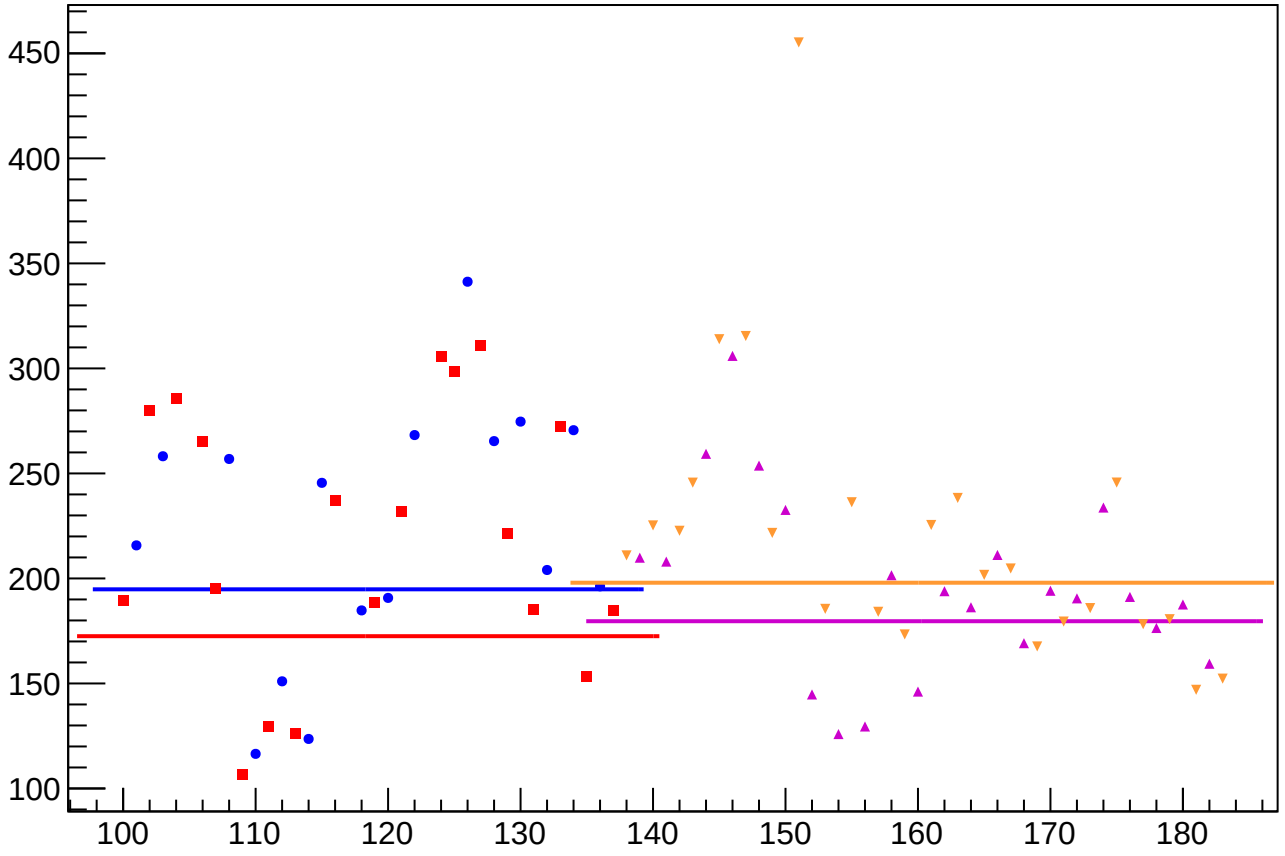
Left In: -118.640+/-44.243 χ^2/NDF:8.1/21

+ sign 92.501+/-40.032 χ^2/NDF: 30.7/39

All: 19.903+/-27.234 χ^2/NDF: 67.8/80

- sign -42.649+/-37.159 χ^2/NDF: 31.0/40

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 197.965+/-0.033 χ^2/NDF:1758897.5/23

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

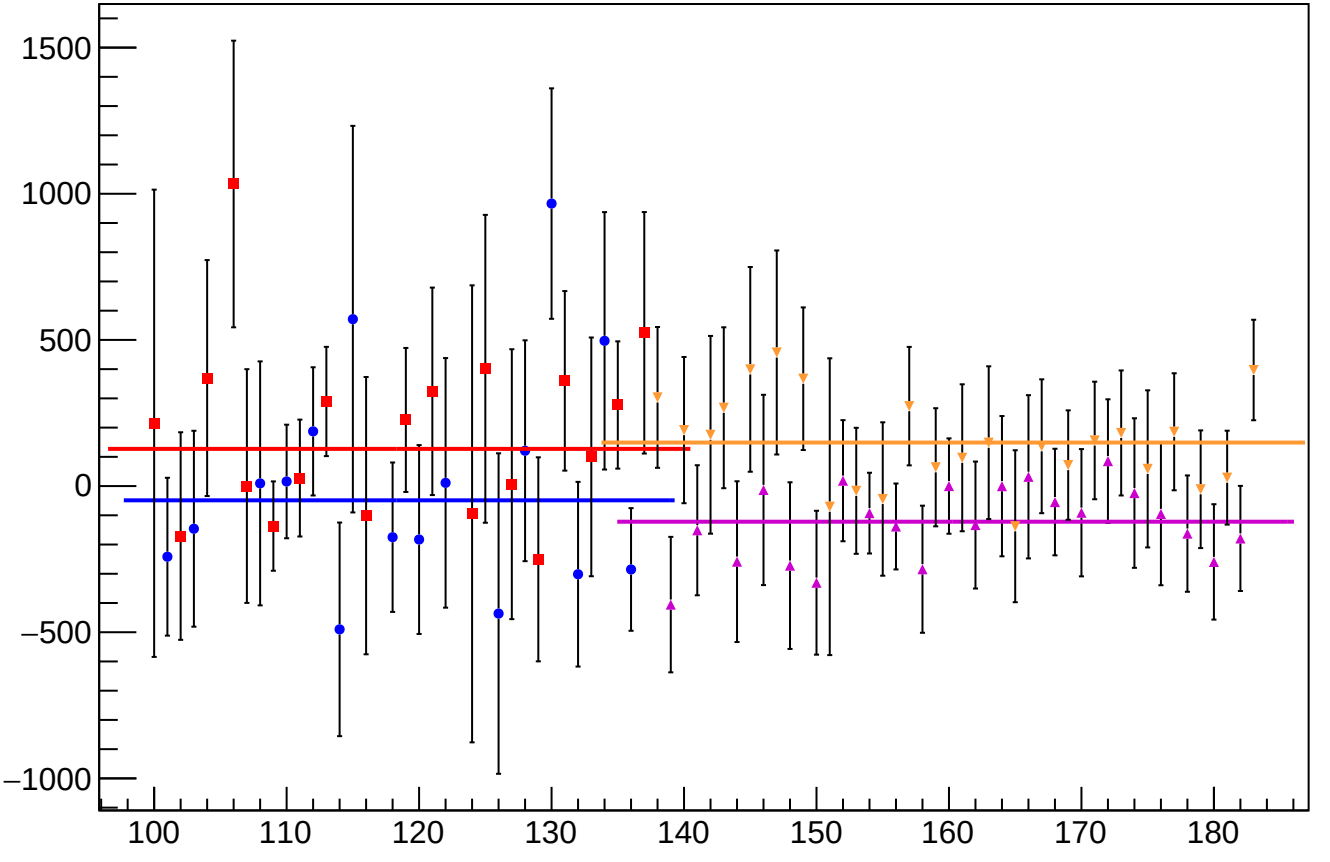
Left In: 179.634+/-0.031 χ^2/NDF:1643020.7/21

+ sign 197.105+/-0.028 χ^2/NDF: 2800446.4/39

All: 186.592+/-0.019 χ^2/NDF: 6357605.1/80

- sign 177.534+/-0.026 χ^2/NDF: 3300370.3/40

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 148.894+/-47.000 χ^2/NDF:9.5/23

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

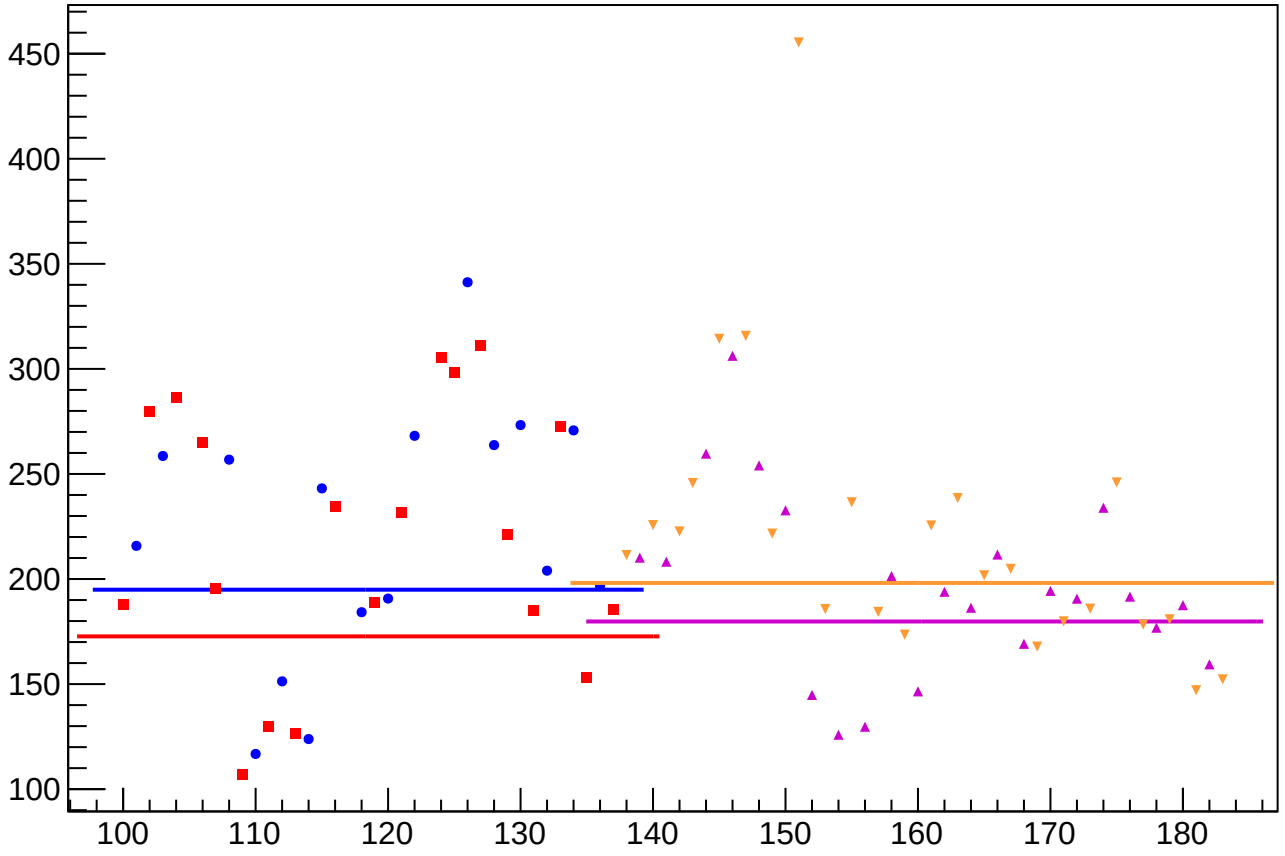
Left In: -121.887+/-44.282 χ^2/NDF:7.0/21

+ sign 94.829+/-40.059 χ^2/NDF: 29.7/39

All: 17.865+/-27.255 χ^2/NDF: 65.8/80

- sign -48.468+/-37.189 χ^2/NDF: 29.2/40

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 198.139+/-0.033 χ^2/NDF:1759362.8/23

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

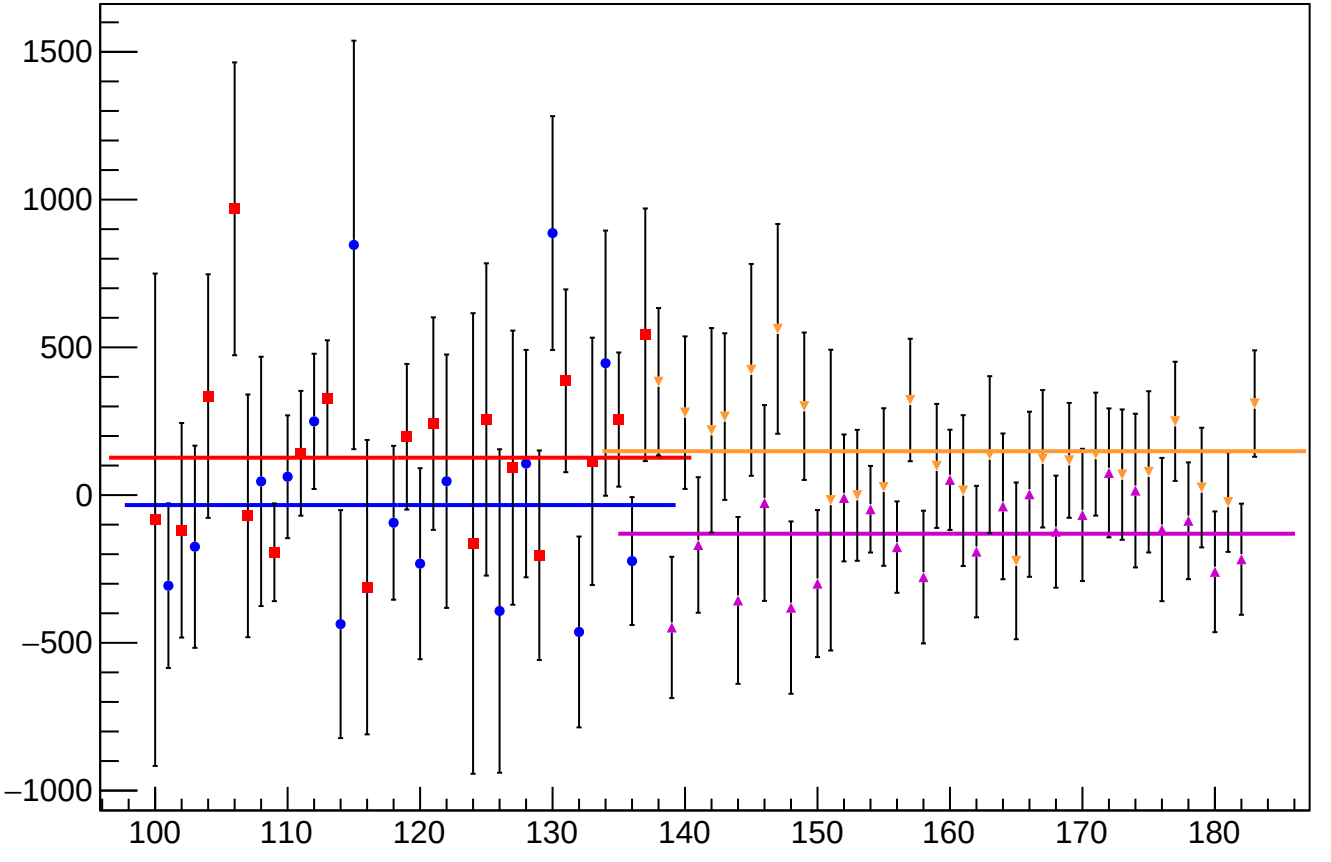
Left In: 179.793+/-0.031 χ^2/NDF:1643005.6/21

+ sign 197.259+/-0.028 χ^2/NDF: 2790826.7/39

All: 186.756+/-0.019 χ^2/NDF: 6336271.9/80

- sign 177.704+/-0.026 χ^2/NDF: 3289463.5/40

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 148.524+/-48.285 χ^2/NDF:10.1/23

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

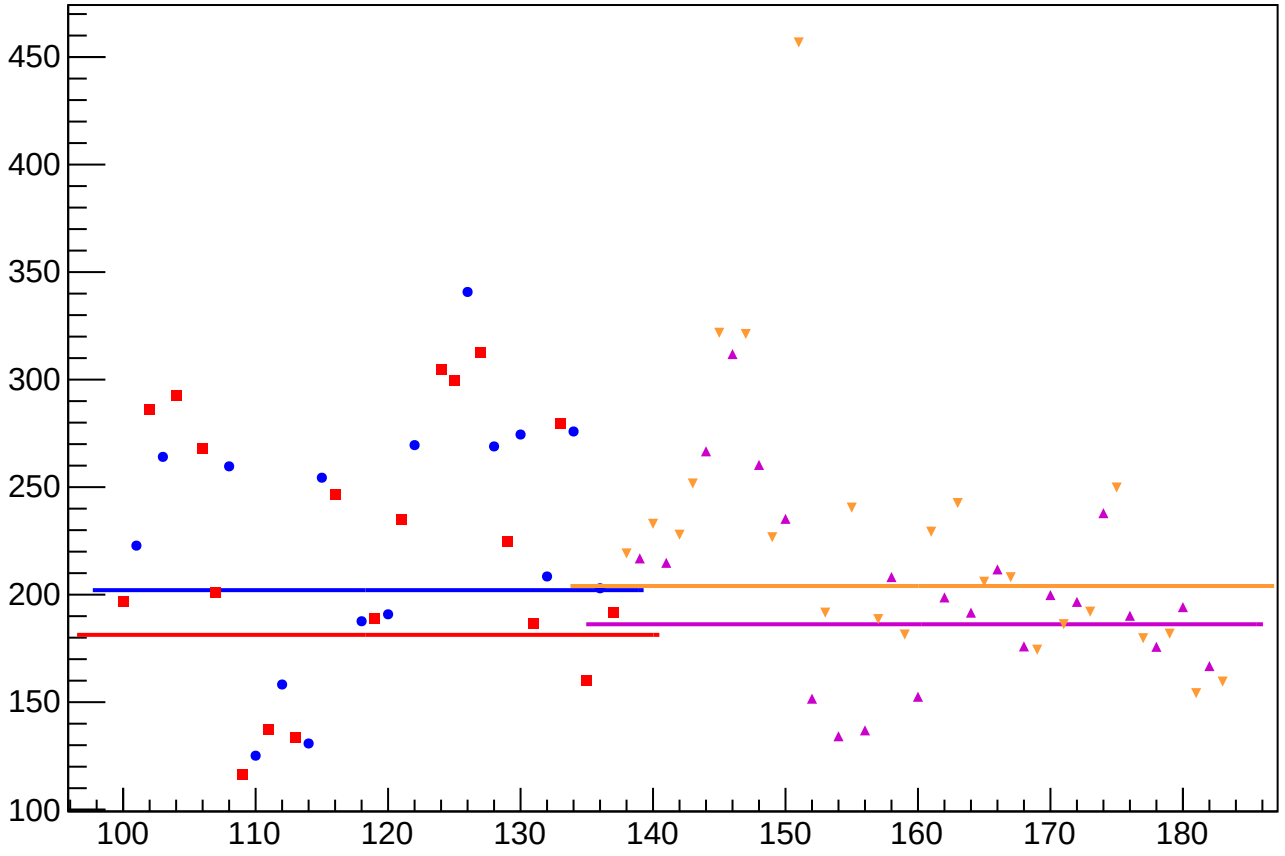
Left In: -130.708+/-45.709 χ^2/NDF:8.4/21

+ sign 98.952+/-41.198 χ^2/NDF: 29.8/39

All: 16.315+/-28.122 χ^2/NDF: 67.6/80

- sign -55.785+/-38.482 χ^2/NDF: 30.3/40

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 204.020+/-0.034 χ^2/NDF:1656381.5/23

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

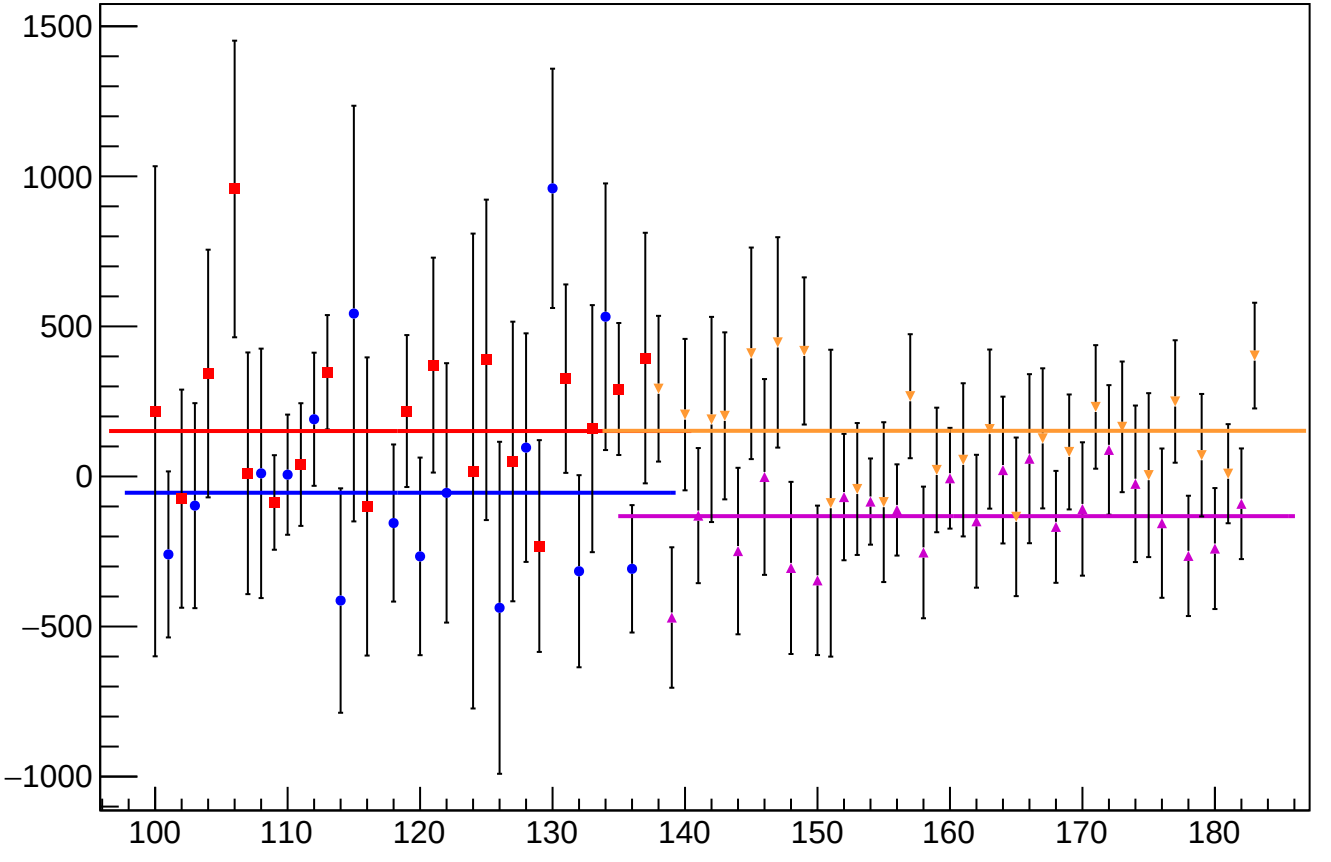
Left In: 186.231+/-0.032 χ^2/NDF:1478010.7/21

+ sign 203.495+/-0.029 χ^2/NDF: 2567509.7/39

All: 193.510+/-0.020 χ^2/NDF: 5713228.0/80

- sign 184.799+/-0.027 χ^2/NDF: 2925745.4/40

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 152.104+/-47.845 χ^2/NDF:10.4/23

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

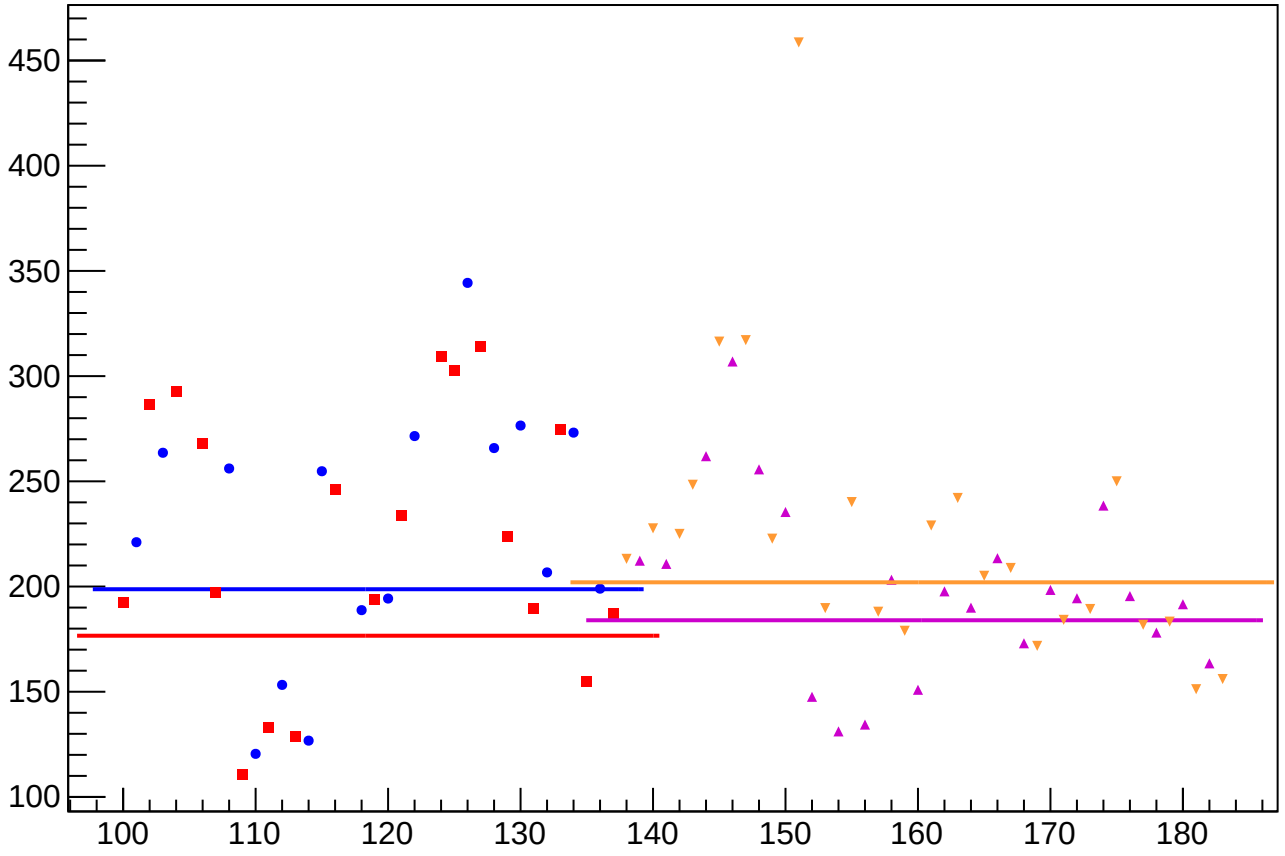
Left In: -132.252+/-45.209 χ^2/NDF:7.5/21

+ sign 95.631+/-40.776 χ^2/NDF: 30.6/39

All: 18.361+/-27.785 χ^2/NDF: 66.7/80

- sign -48.609+/-37.961 χ^2/NDF: 29.4/40

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 202.007+/-0.034 χ^2/NDF:1680252.6/23

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

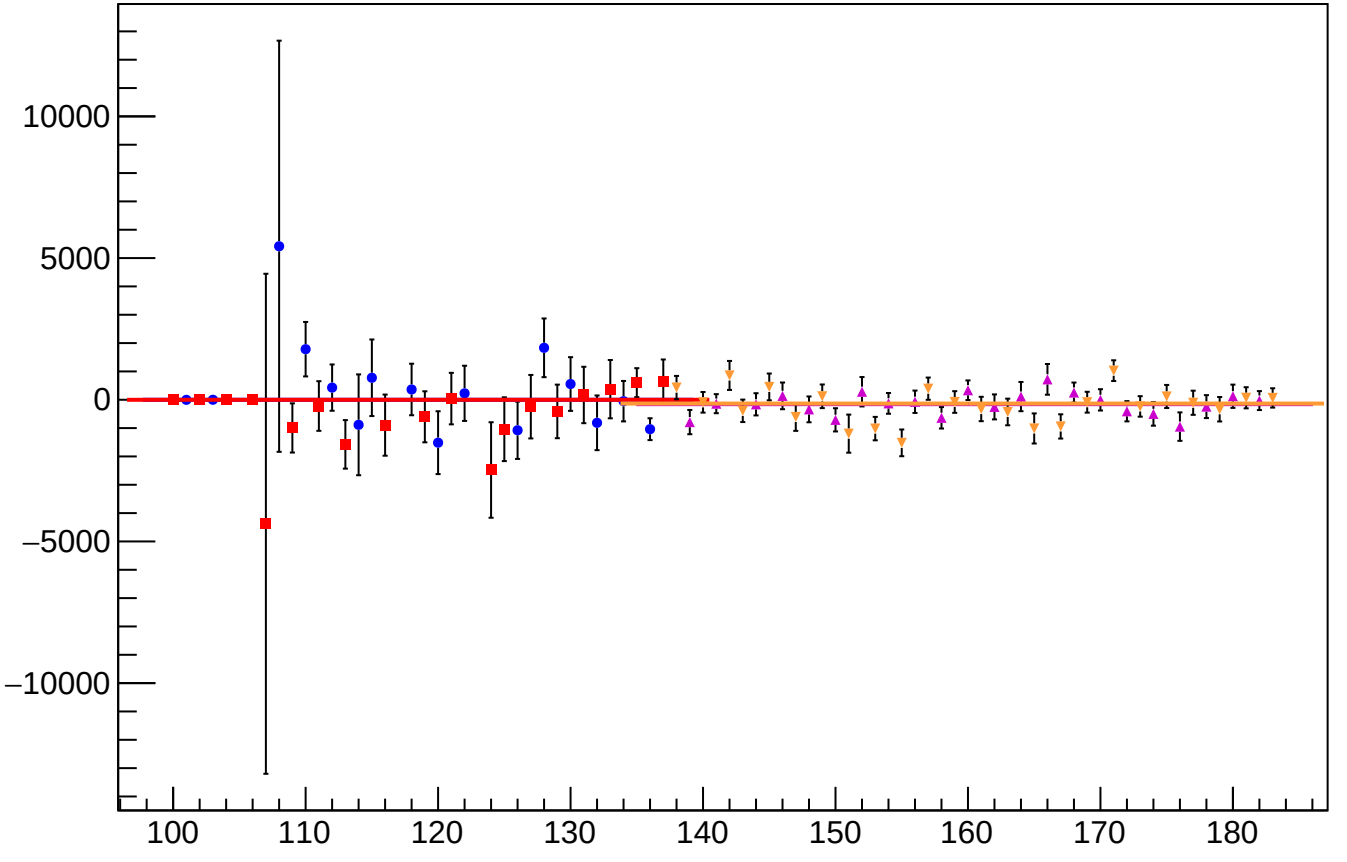
Left In: 183.973+/-0.032 χ^2/NDF:1517993.1/21

+ sign 201.107+/-0.029 χ^2/NDF: 2676906.8/39

All: 190.767+/-0.020 χ^2/NDF: 6046281.6/80

- sign 181.805+/-0.027 χ^2/NDF: 3129300.9/40

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -133.567+/-85.109 χ^2/NDF:44.7/23

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

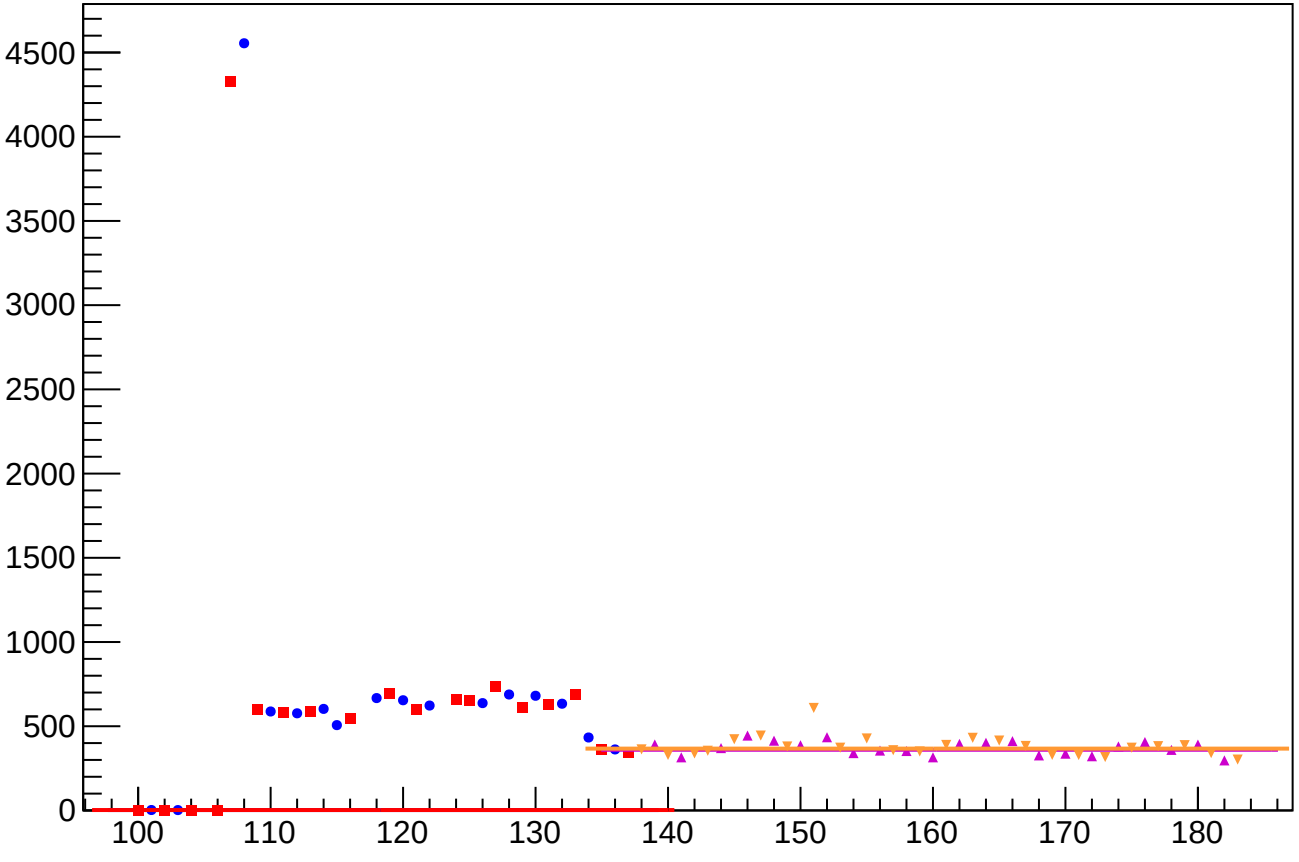
Left In: -155.734+/-86.073 χ^2/NDF:17.7/21

+ sign -1.325+/-2.170 χ^2/NDF: 67.0/39

All: -1.399+/-1.479 χ^2/NDF: 104.8/80

- sign -1.463+/-2.022 χ^2/NDF: 37.8/40

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 367.127+/-0.060 χ^2/NDF:637699.5/23

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

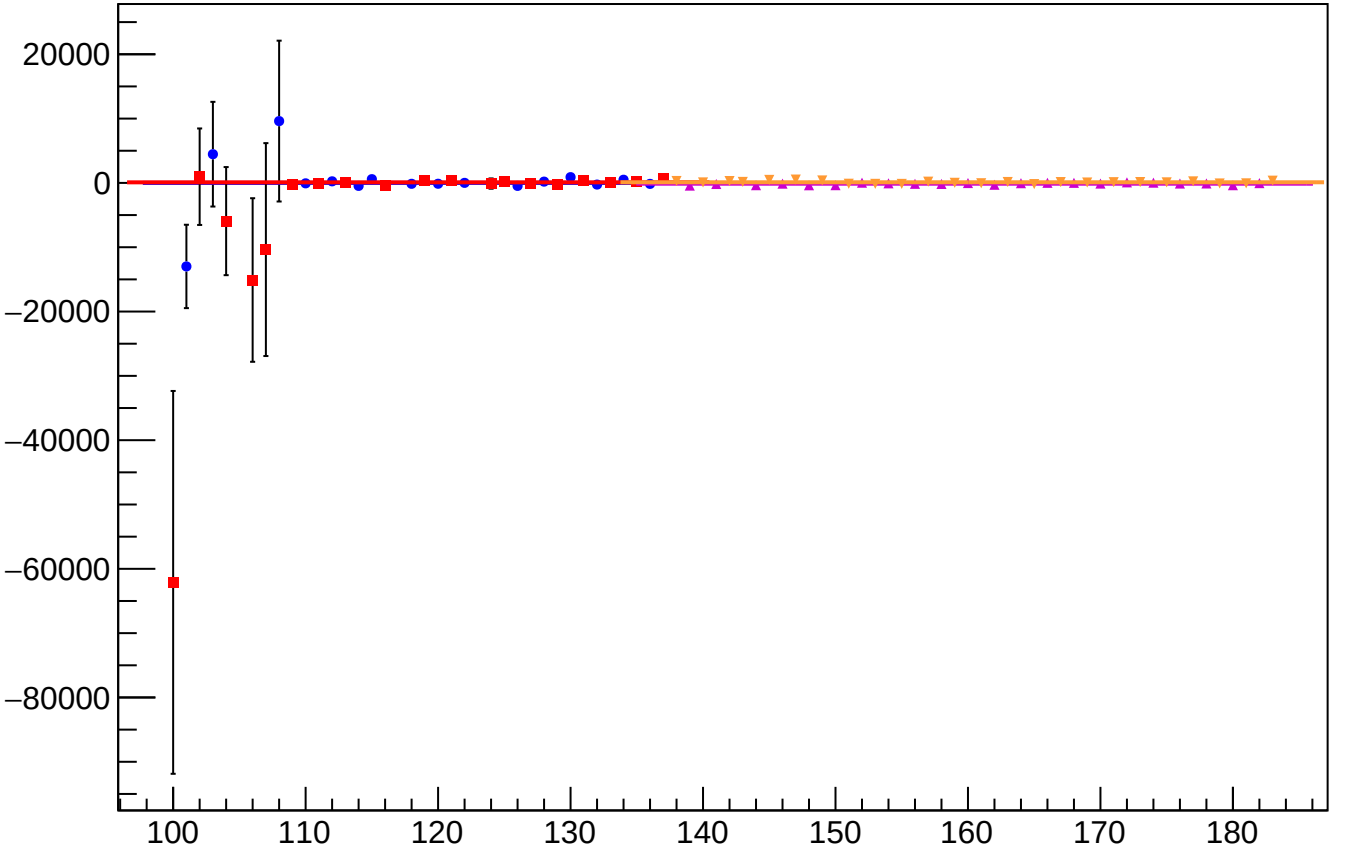
Left In: 360.362+/-0.061 χ^2/NDF:425313.3/21

+ sign 2.714+/-0.002 χ^2/NDF: 48953935.9/39

All: 2.685+/-0.001 χ^2/NDF: 95485670.0/80

- sign 2.660+/-0.001 χ^2/NDF: 46531067.9/40

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 98.697+/-48.804 χ^2/NDF:12.7/23

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

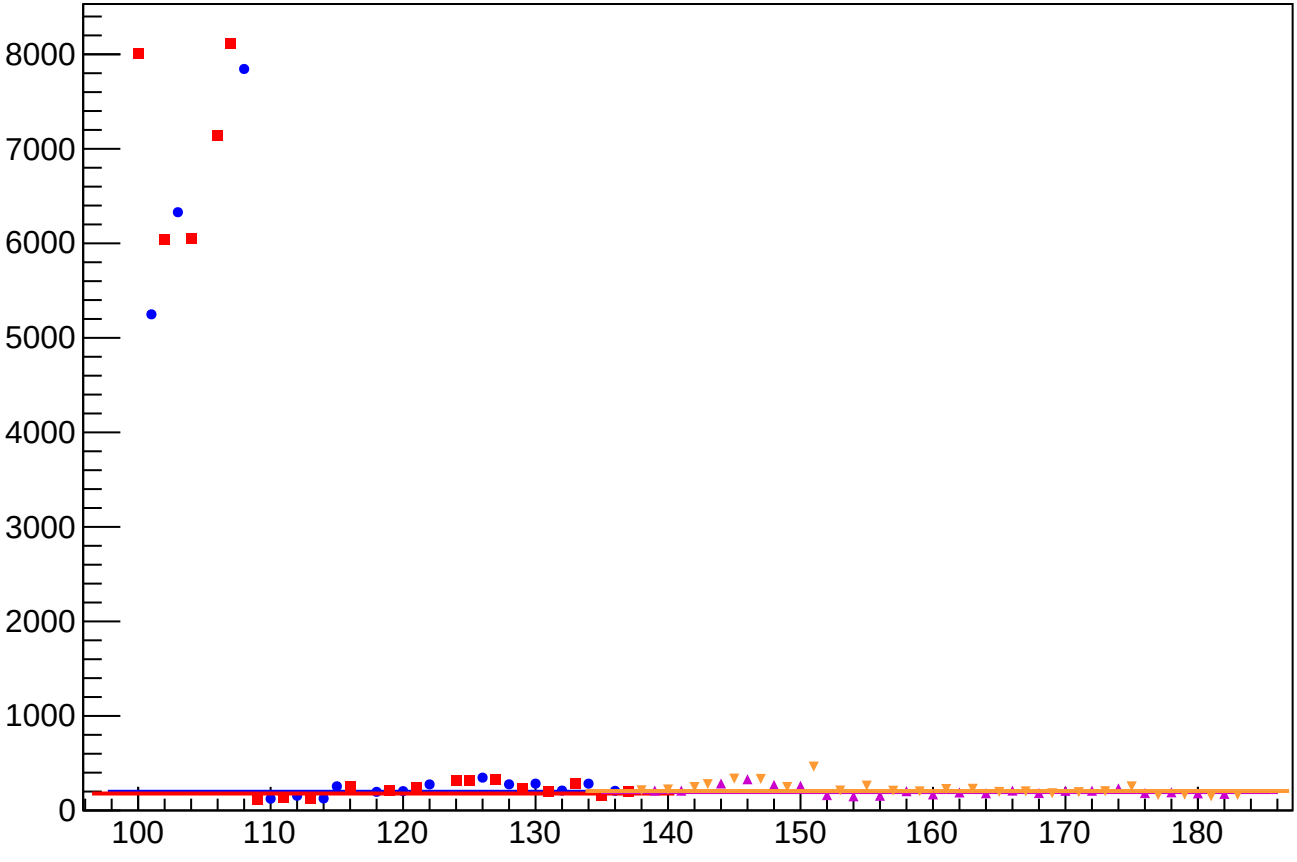
Left In: -123.626+/-47.500 χ^2/NDF:8.9/21

+ sign 75.545+/-42.659 χ^2/NDF: 30.5/39

All: -0.045+/-29.580 χ^2/NDF: 65.4/80

- sign -70.047+/-41.052 χ^2/NDF: 28.8/40

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 205.531+/-0.035 χ^2/NDF:1941570.8/23

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

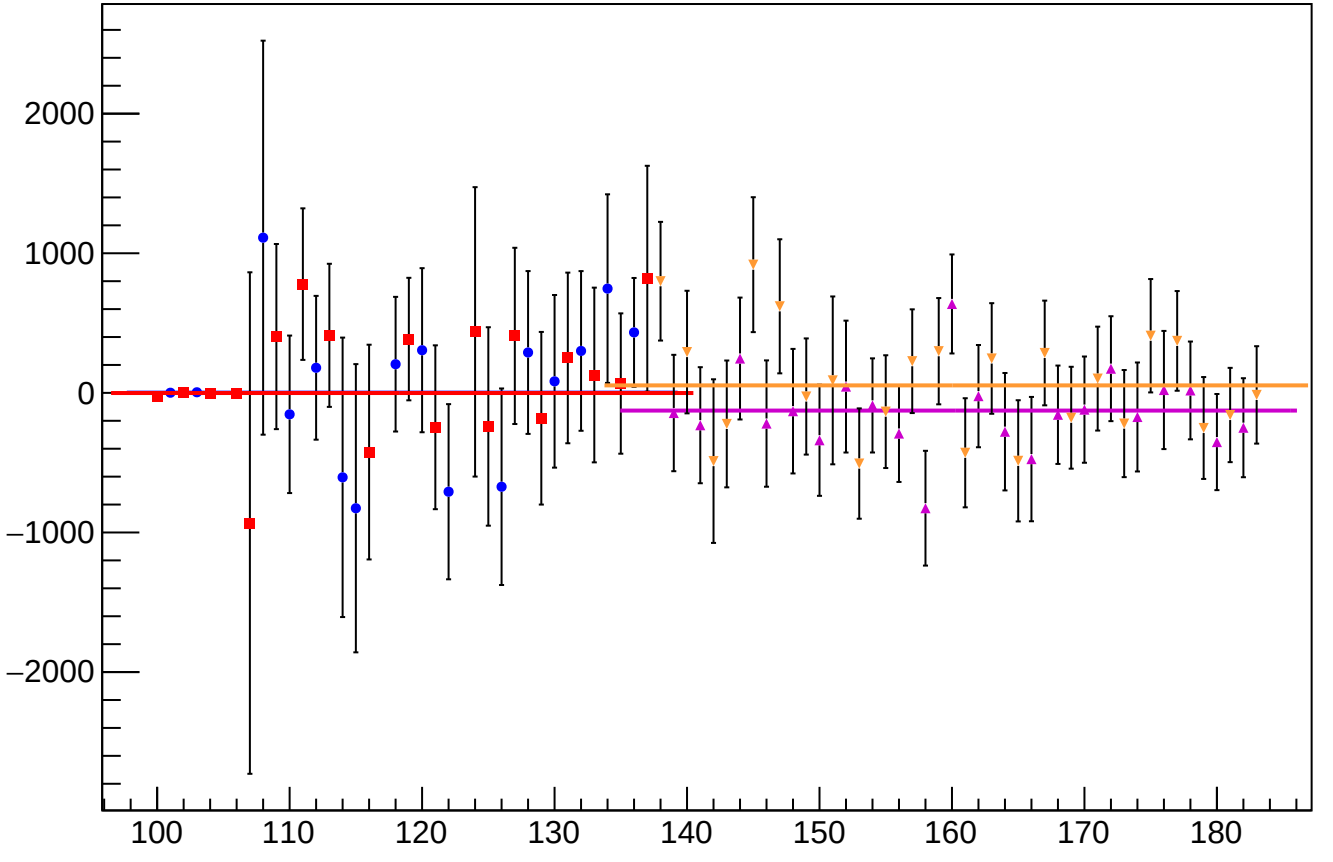
Left In: 194.521+/-0.034 χ^2/NDF:1176314.6/21

+ sign 203.664+/-0.030 χ^2/NDF: 5911162.4/39

All: 196.911+/-0.021 χ^2/NDF: 11654758.0/80

- sign 190.657+/-0.029 χ^2/NDF: 5647054.9/40

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 53.650+/-82.313 χ^2/NDF:19.4/23

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

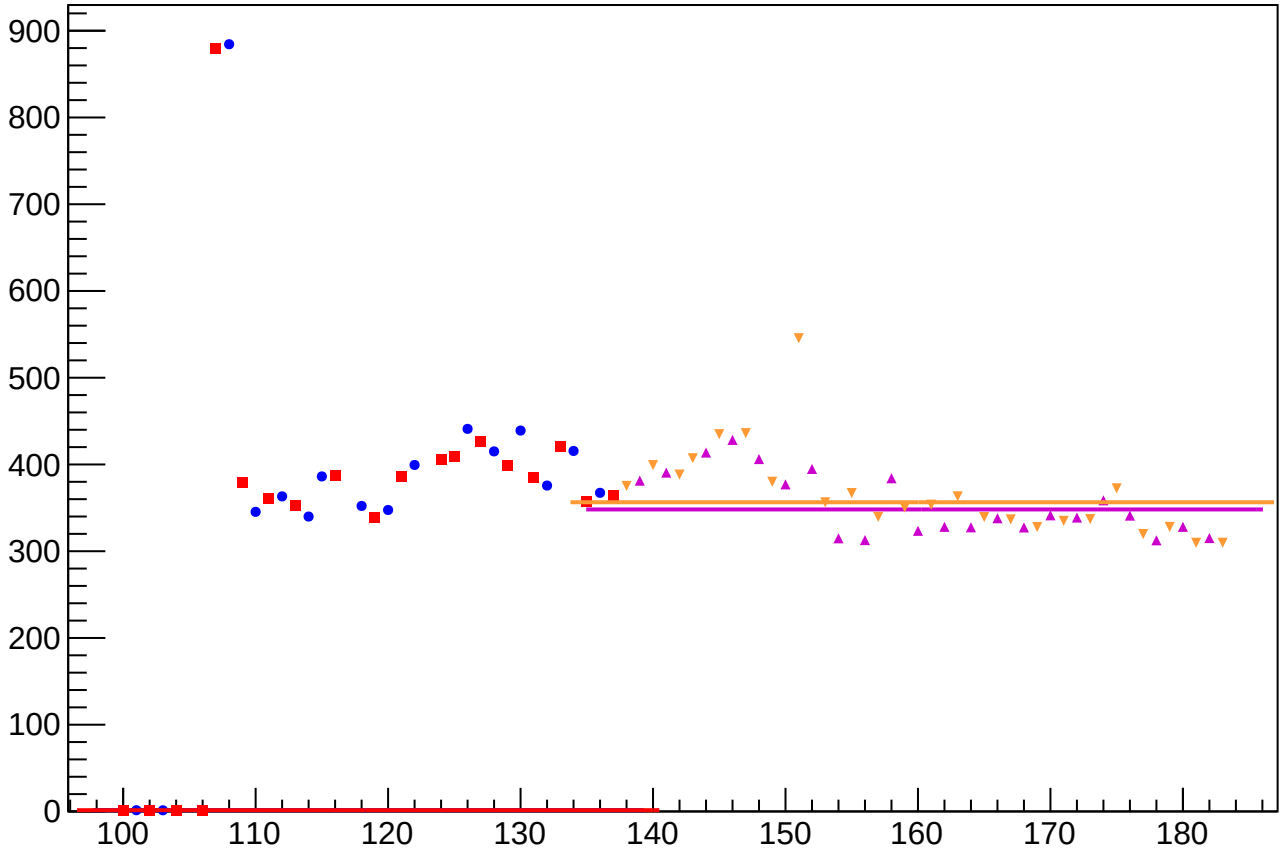
Left In: -126.776+/-82.942 χ^2/NDF:11.3/21

+ sign 1.477+/-1.660 χ^2/NDF: 27.7/39

All: 0.062+/-1.124 χ^2/NDF: 51.8/80

- sign -1.136+/-1.528 χ^2/NDF: 22.8/40

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 356.447+/-0.058 χ^2/NDF:515500.0/23

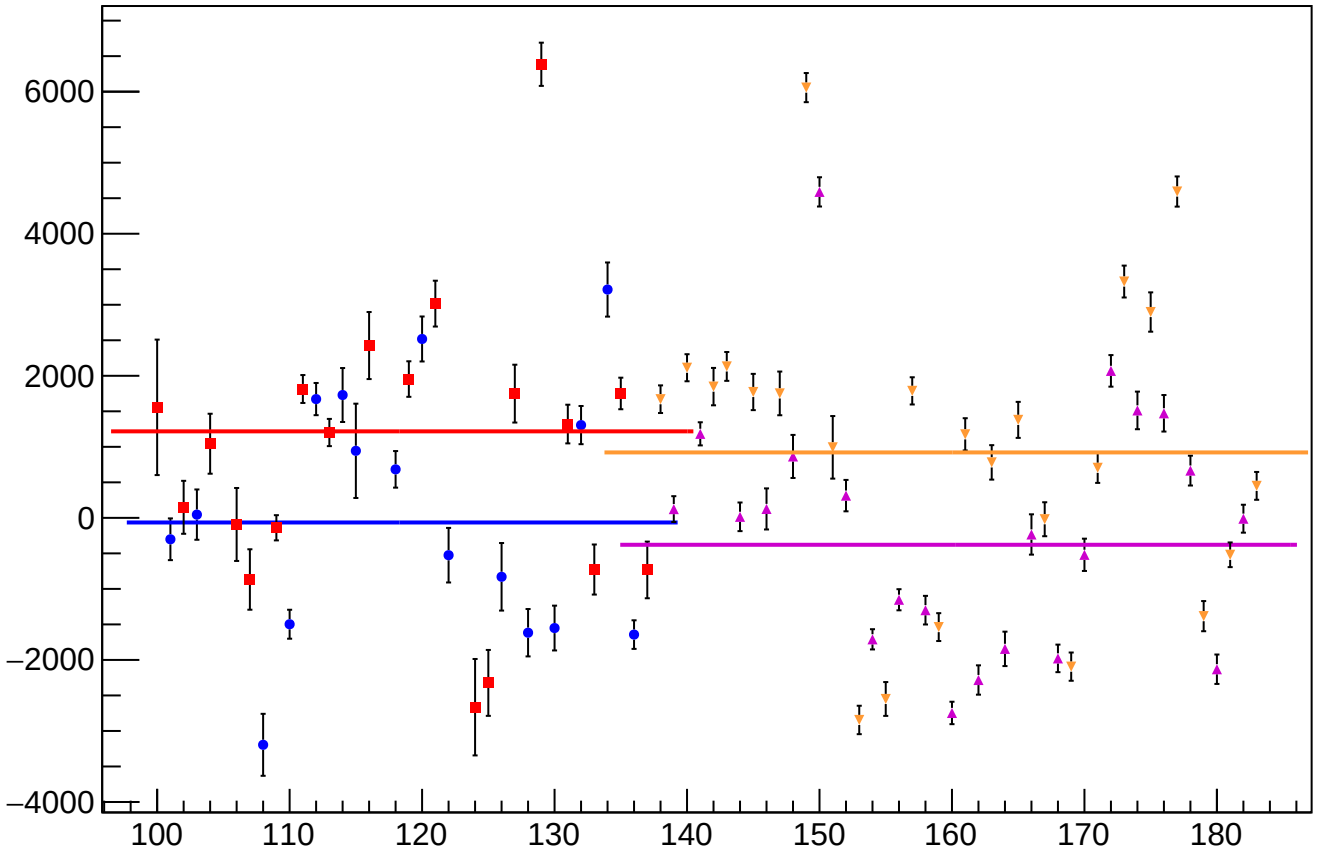
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 348.152+/-0.059 χ^2/NDF:338021.5/21

+ sign 1.615+/-0.001 χ^2/NDF: 49431279.0/39

All: 1.598+/-0.001 χ^2/NDF: 95970505.6/80

- sign 1.585+/-0.001 χ^2/NDF: 46538877.7/40



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 921.183+/-44.873 χ^2/NDF:2399.9/23

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

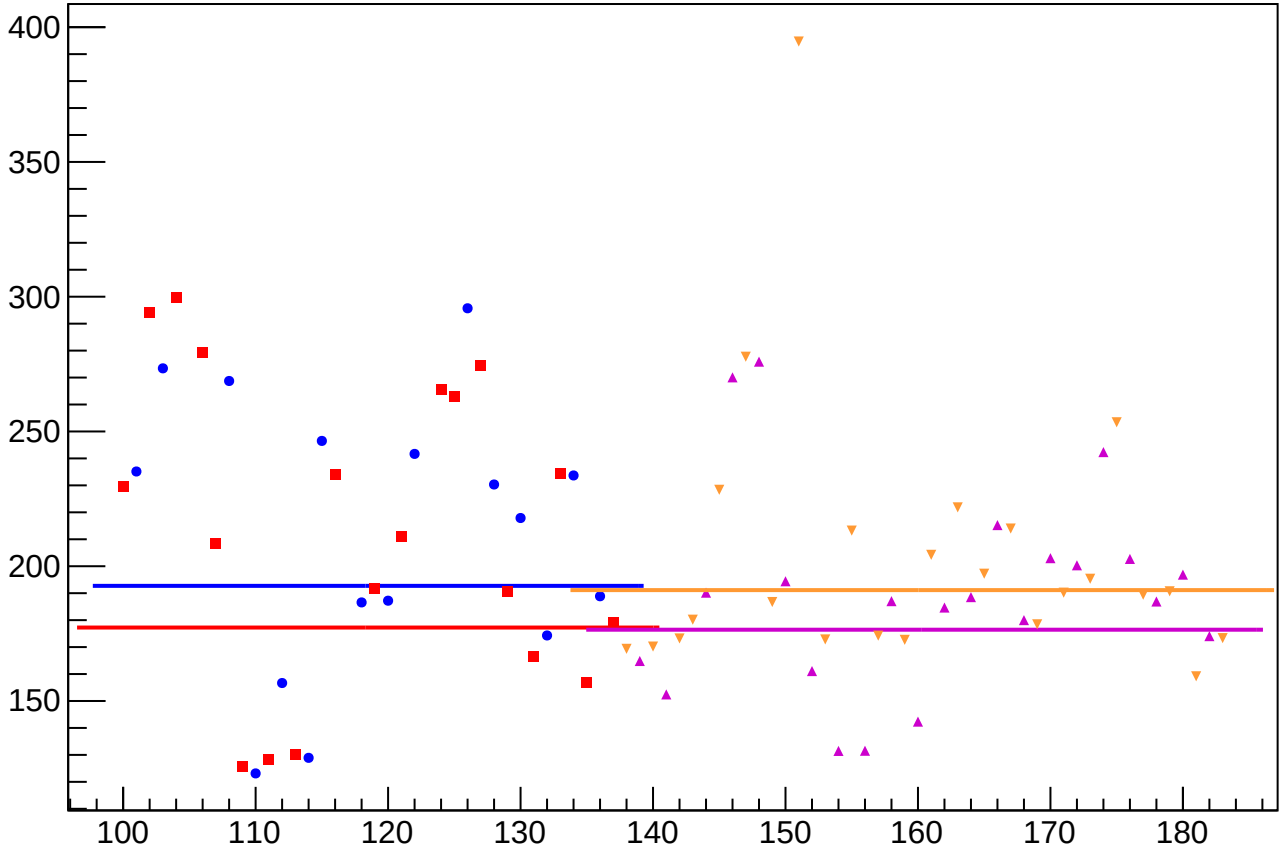
Left In: -379.006+/-43.069 χ^2/NDF:1589.4/21

+ sign 660.684+/-38.493 χ^2/NDF: 2996.9/39

All: 349.186+/-26.501 χ^2/NDF: 5690.6/80

- sign 68.505+/-36.539 χ^2/NDF: 2569.2/40

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 191.138+/-0.032 χ^2/NDF:1013119.6/23

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

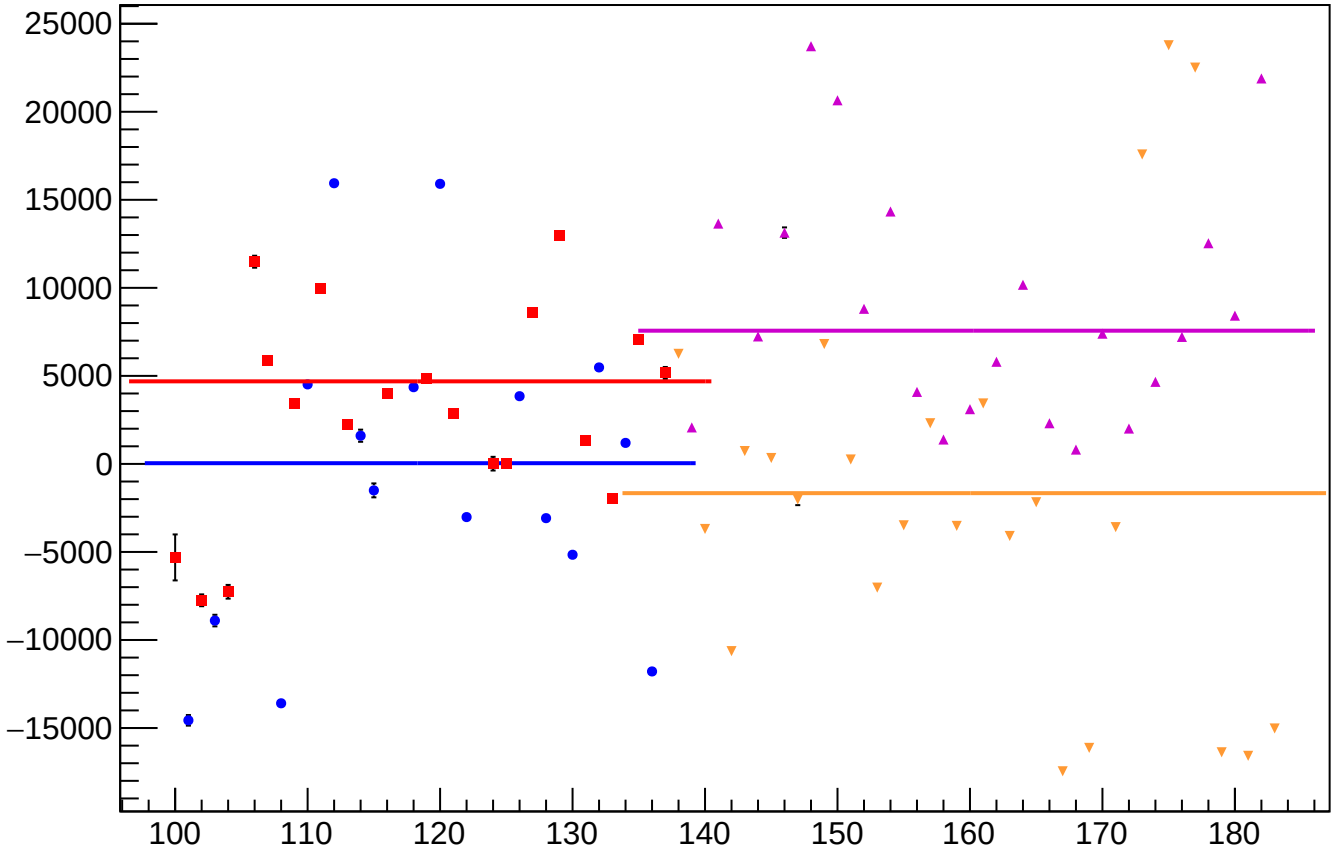
Left In: 176.448+/-0.030 χ^2/NDF:1257644.0/21

+ sign 191.555+/-0.027 χ^2/NDF: 1772922.0/39

All: 183.727+/-0.019 χ^2/NDF: 4414205.3/80

- sign 176.673+/-0.026 χ^2/NDF: 2484019.3/40

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1660.514+/-41.071 χ^2/NDF:64469.5/23

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

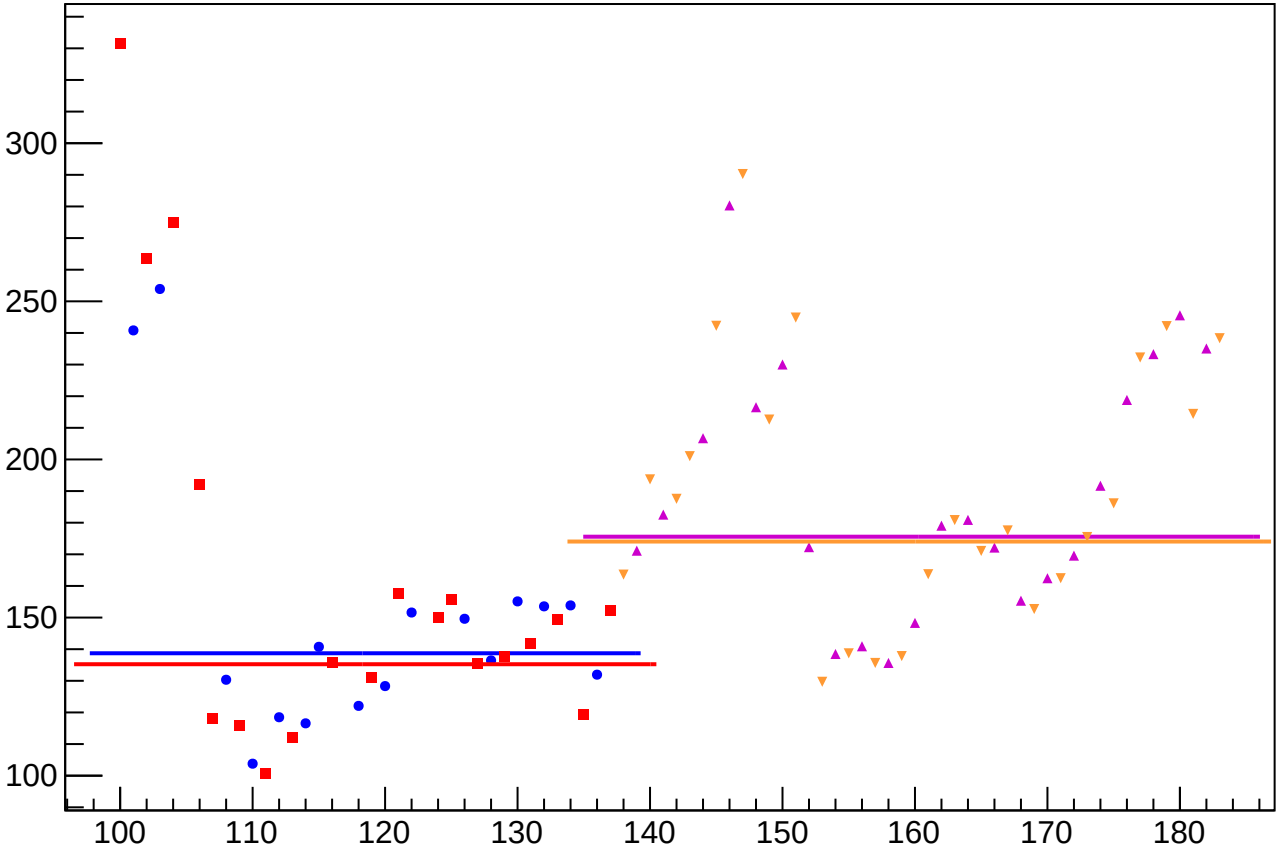
Left In: 7566.520+/-42.770 χ^2/NDF:21192.8/21

+ sign -1039.880+/-32.734 χ^2/NDF: 95881.8/39

All: 2647.682+/-23.260 χ^2/NDF: 152324.1/80

- sign 6408.206+/-33.056 χ^2/NDF: 30810.2/40

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 174.042+/-0.029 χ^2/NDF:1624811.1/23

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

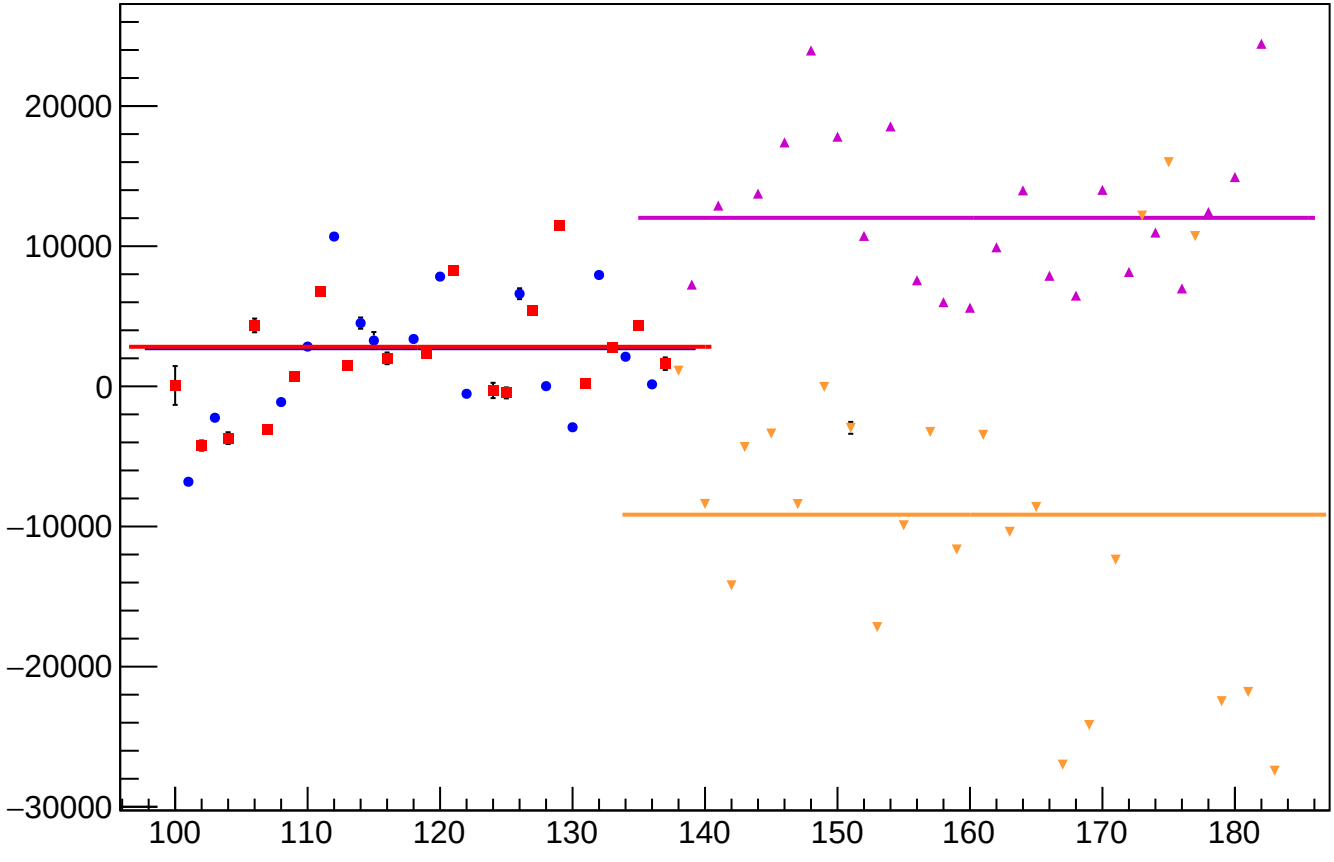
Left In: 175.572+/-0.030 χ^2/NDF:1327064.6/21

+ sign 161.155+/-0.023 χ^2/NDF: 2822458.3/39

All: 160.254+/-0.016 χ^2/NDF: 5758542.1/80

- sign 159.335+/-0.023 χ^2/NDF: 2933024.1/40

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9155.456+/-46.032 χ^2/NDF:62435.6/23

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

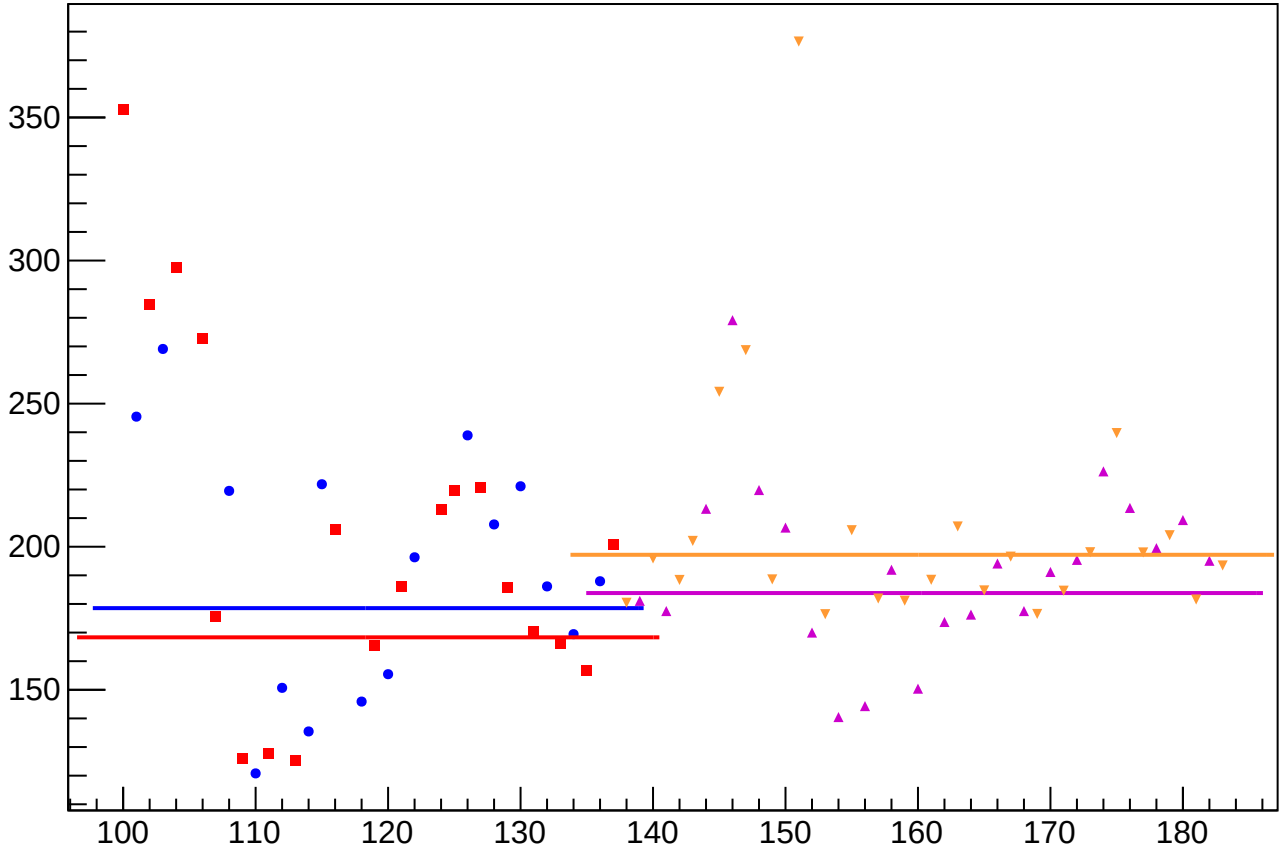
Left In: 12023.661+/-44.525 χ^2/NDF:14436.0/21

+ sign -5515.985+/-38.335 χ^2/NDF: 86961.3/39

All: 2096.739+/-26.512 χ^2/NDF: 193729.0/80

- sign 9076.239+/-36.706 χ^2/NDF: 31176.8/40

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.182+/-0.033 χ^2/NDF:732294.5/23

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

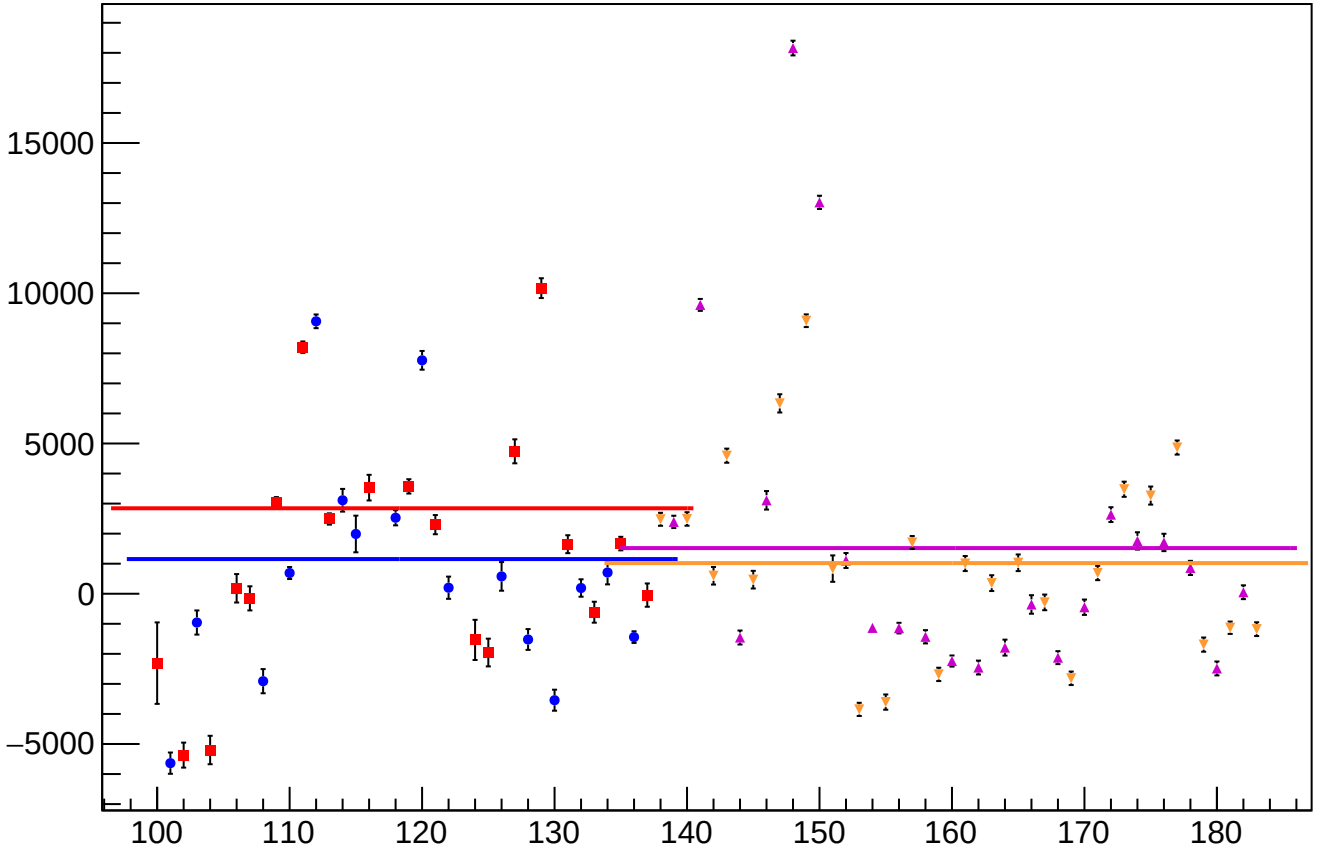
Left In: 183.812+/-0.031 χ^2/NDF:827724.8/21

+ sign 191.469+/-0.027 χ^2/NDF: 1507380.2/39

All: 184.888+/-0.019 χ^2/NDF: 3505016.8/80

- sign 178.854+/-0.026 χ^2/NDF: 1884634.8/40

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1019.915+/-49.997 χ^2/NDF:4278.7/23

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

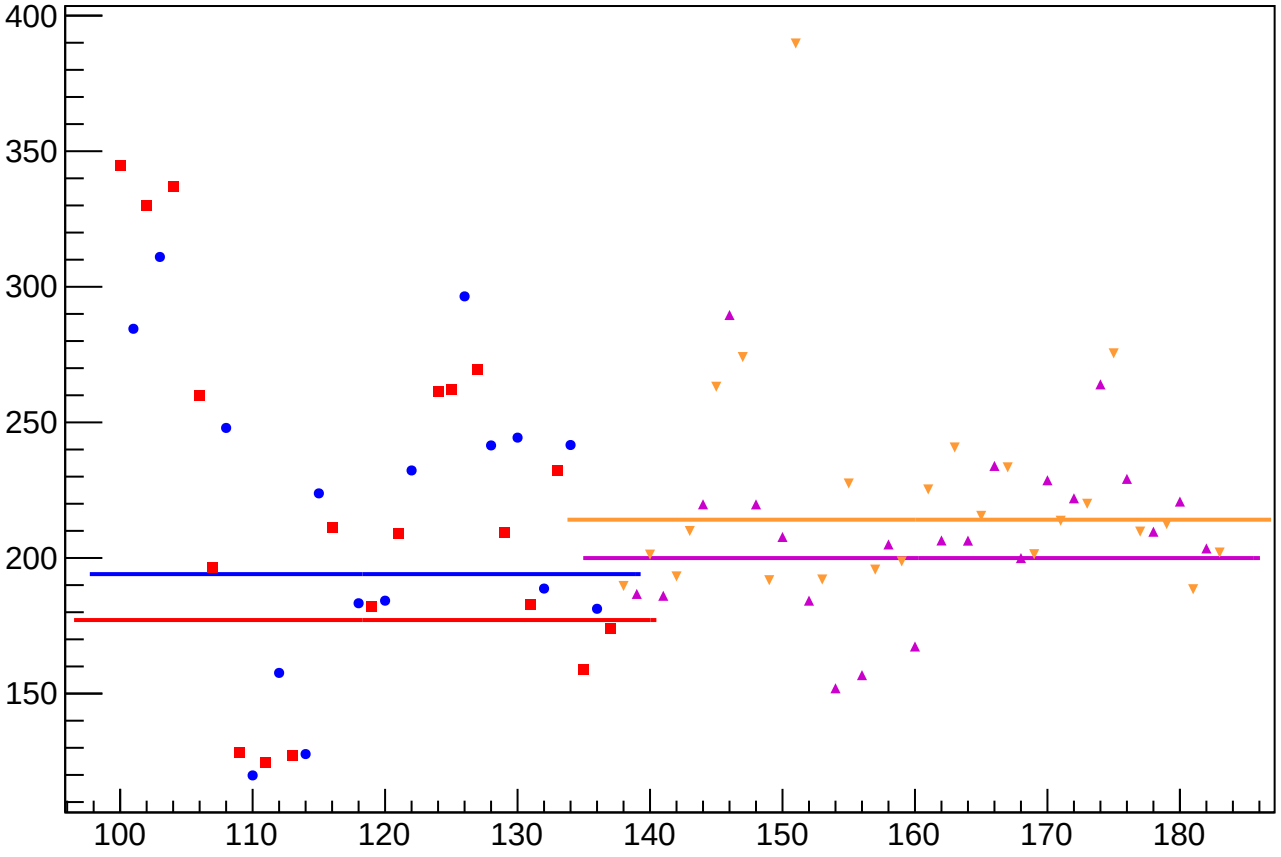
Left In: 1519.214+/-48.440 χ^2/NDF:11475.3/21

\+ sign 1060.395+/-41.762 χ^2/NDF: 6936.2/39

All: 1530.835+/-28.763 χ^2/NDF: 21352.3/80

\- sign 1955.365+/-39.672 χ^2/NDF: 14174.7/40

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.118+/-0.035 χ^2/NDF:731853.0/23

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

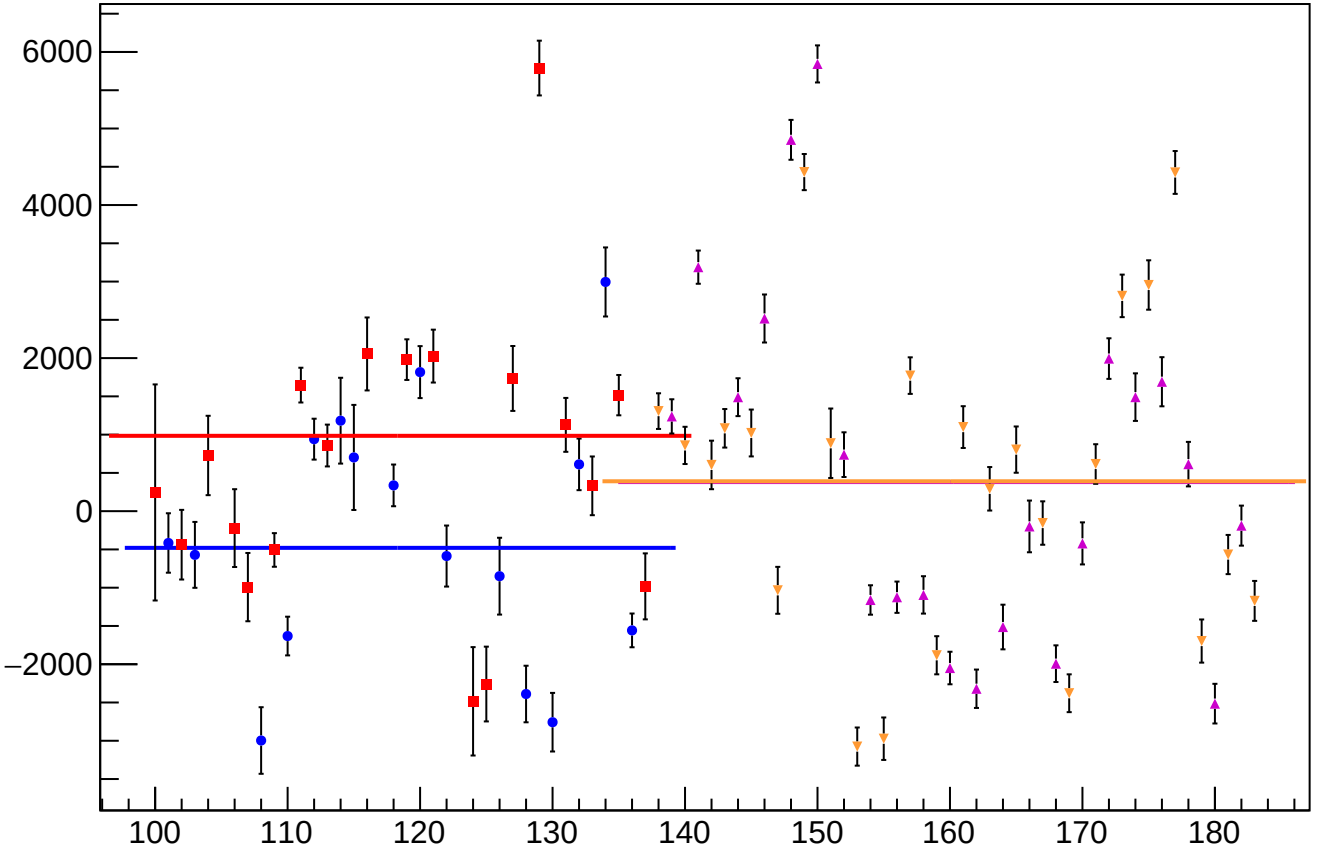
Left In: 199.969+/-0.034 χ^2/NDF:785323.7/21

+ sign 208.052+/-0.030 χ^2/NDF: 1795009.9/39

All: 199.848+/-0.020 χ^2/NDF: 4233094.7/80

- sign 192.444+/-0.028 χ^2/NDF: 2291247.7/40

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 390.545+/-55.371 χ^2/NDF:1394.6/23

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

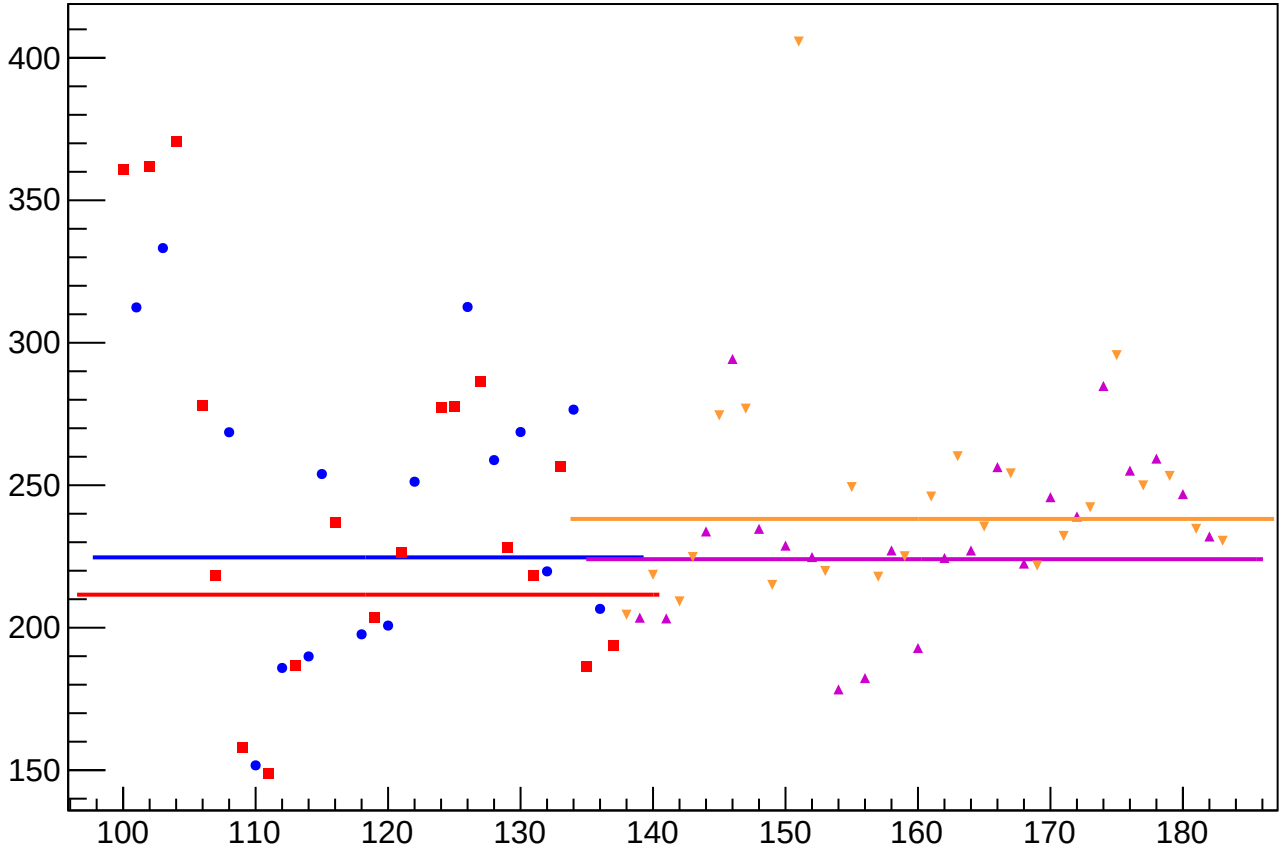
Left In: 380.039+/-53.935 χ^2/NDF:1803.1/21

+ sign 138.482+/-46.663 χ^2/NDF: 1771.6/39

All: 360.491+/-32.349 χ^2/NDF: 4055.0/80

- sign 565.893+/-44.884 χ^2/NDF: 2239.8/40

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.181+/-0.039 χ^2/NDF:567919.4/23

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

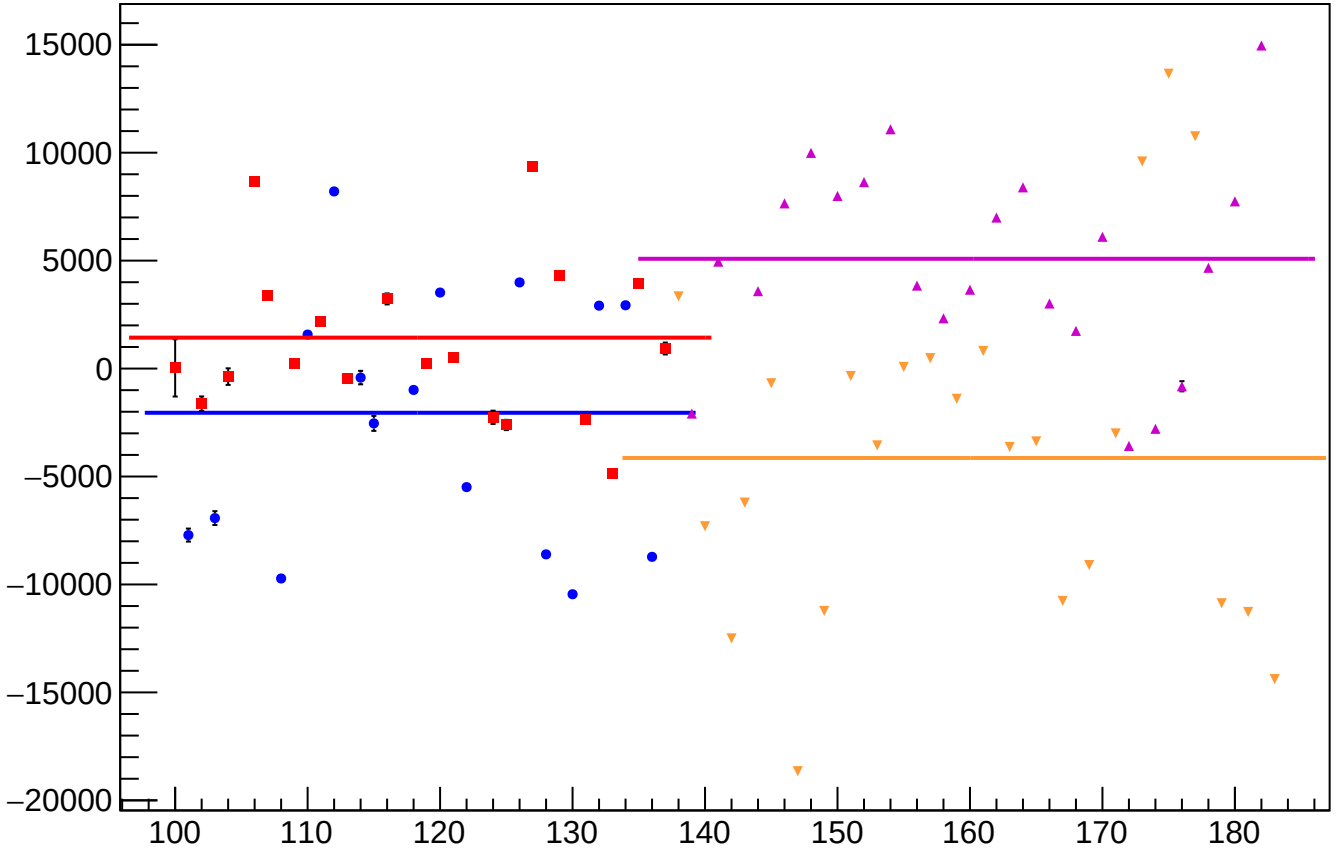
Left In: 224.048+/-0.038 χ^2/NDF:562000.6/21

+ sign 234.269+/-0.033 χ^2/NDF: 1255555.2/39

All: 226.971+/-0.023 χ^2/NDF: 2877425.1/80

- sign 220.219+/-0.032 χ^2/NDF: 1527684.5/40

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4141.075+/-30.925 χ^2/NDF:55989.2/23

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

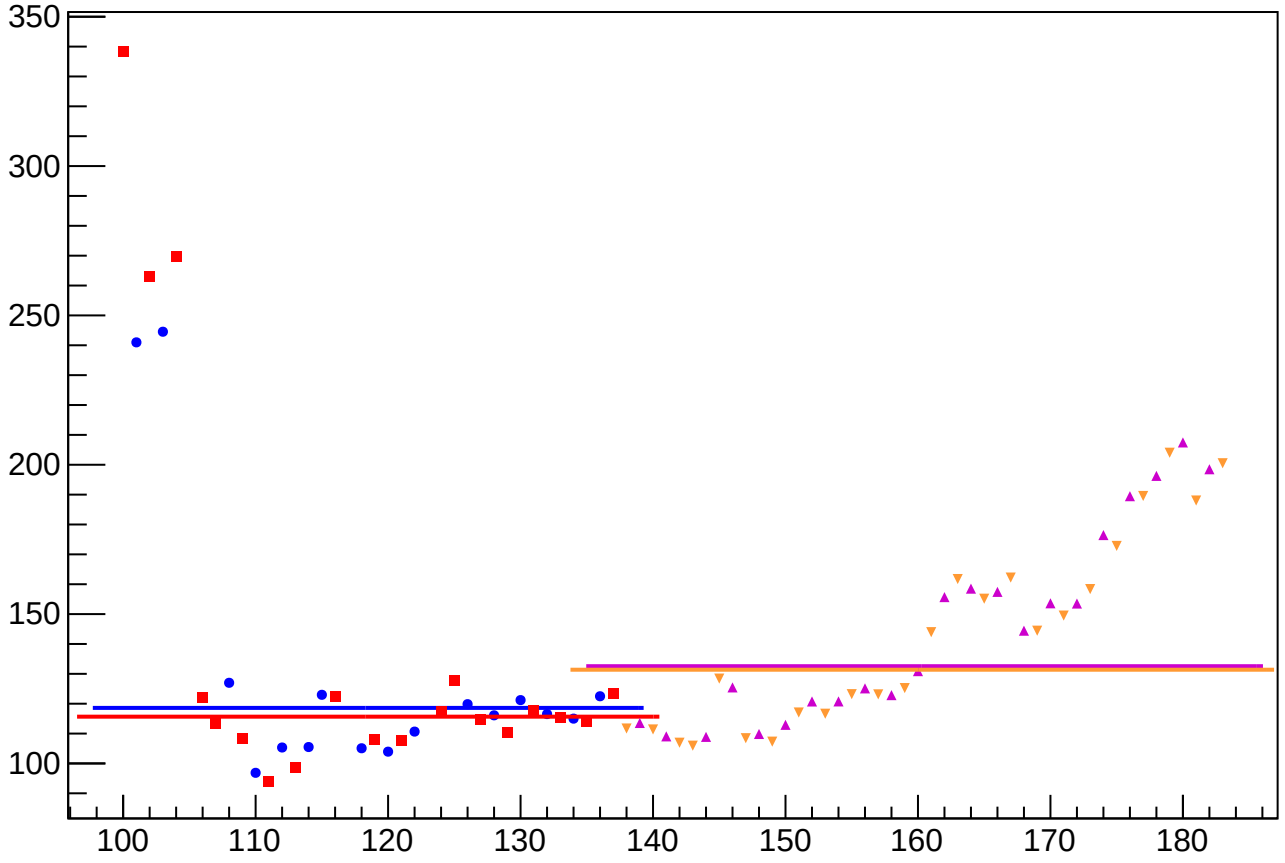
Left In: 5085.008+/-32.087 χ^2/NDF:17393.0/21

+ sign -3503.229+/-25.788 χ^2/NDF: 74094.9/39

All: 130.079+/-18.334 χ^2/NDF: 142420.7/80

- sign 3844.131+/-26.072 χ^2/NDF: 28182.3/40

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 131.379+/-0.022 χ^2/NDF:1485245.7/23

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

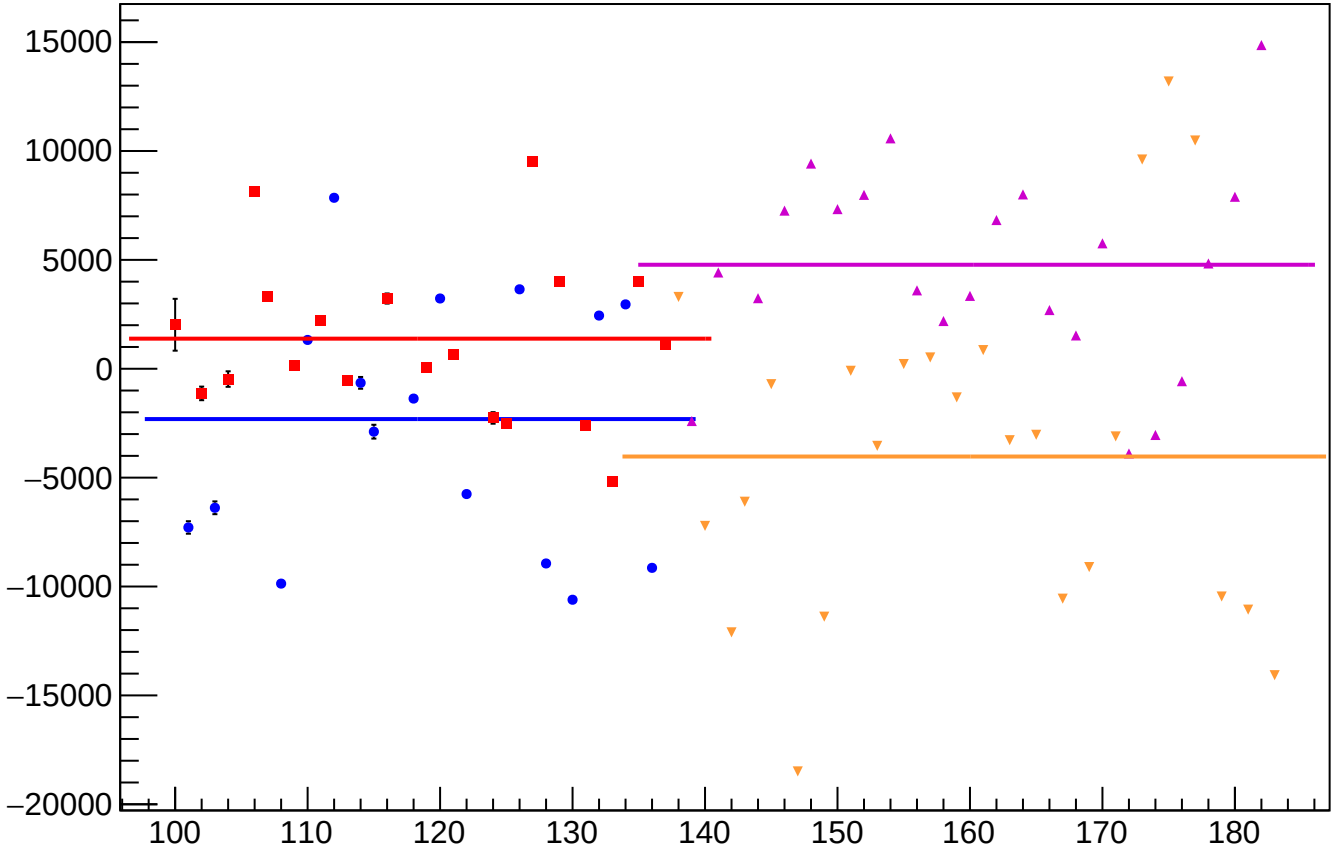
Left In: 132.559+/-0.023 χ^2/NDF:1351638.3/21

+ sign 127.484+/-0.018 χ^2/NDF: 2323503.5/39

All: 127.155+/-0.013 χ^2/NDF: 4728506.7/80

- sign 126.817+/-0.018 χ^2/NDF: 2404341.2/40

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4030.517+/-27.857 χ^2/NDF:65283.9/23

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

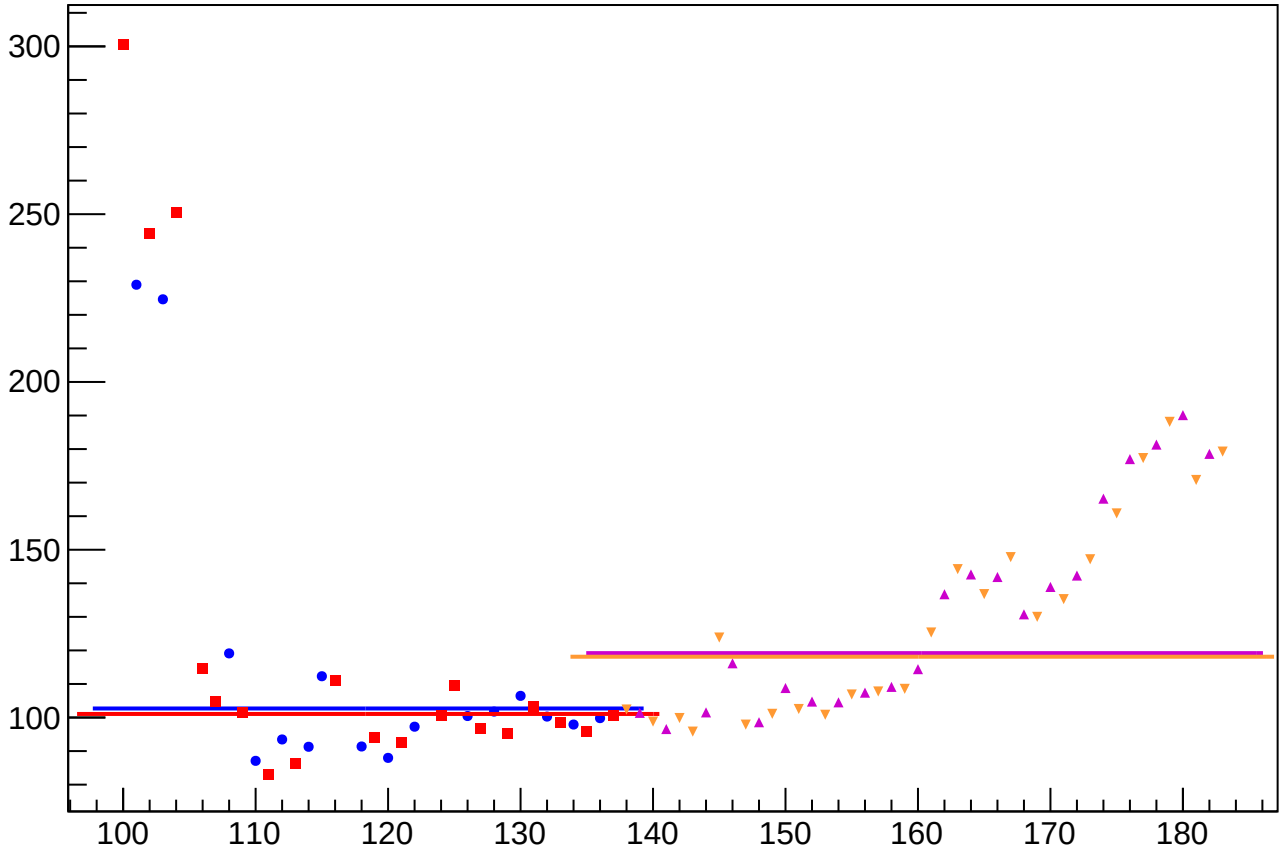
Left In: 4775.838+/-28.915 χ^2/NDF:20473.0/21

+ sign -3482.469+/-22.994 χ^2/NDF: 88178.1/39

All: 5.013+/-16.366 χ^2/NDF: 168682.5/80

- sign 3585.605+/-23.299 χ^2/NDF: 33883.1/40

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 118.120+/-0.020 χ^2/NDF:1565521.7/23

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

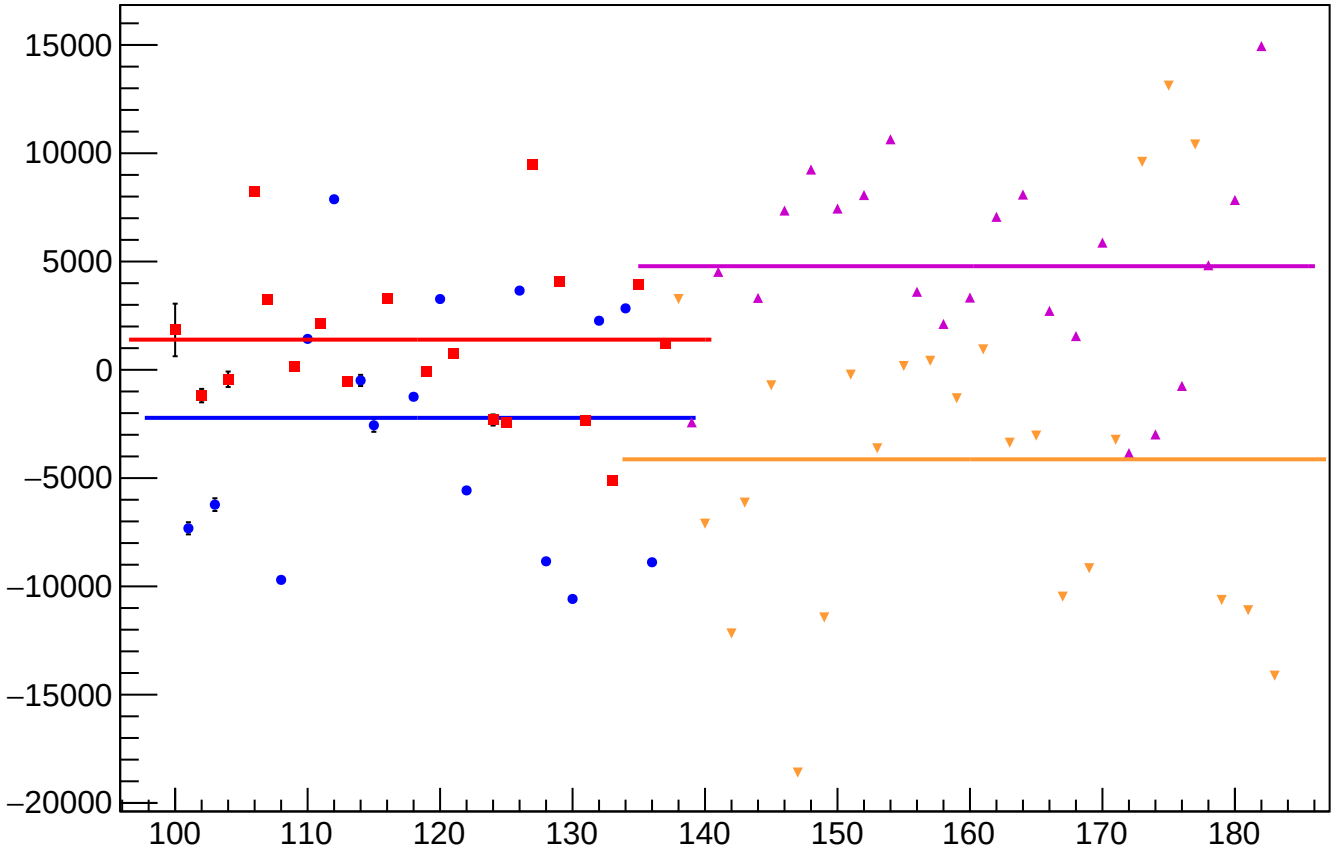
Left In: 119.191+/-0.020 χ^2/NDF:1444983.6/21

+ sign 113.204+/-0.016 χ^2/NDF: 2586751.5/39

All: 113.021+/-0.012 χ^2/NDF: 5238141.1/80

- sign 112.833+/-0.016 χ^2/NDF: 2651132.3/40

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4131.771+/-27.290 χ^2/NDF:69422.1/23

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

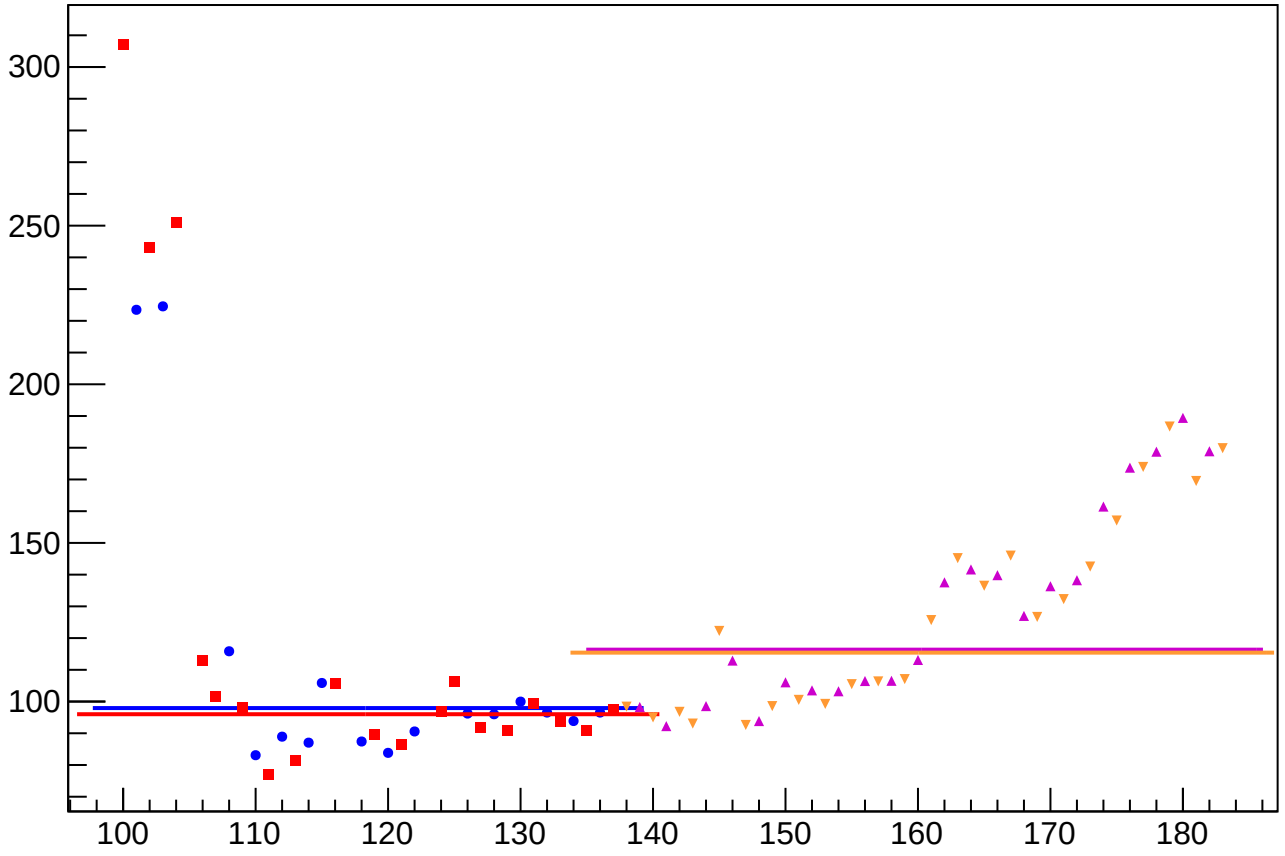
Left In: 4784.271+/-28.299 χ^2/NDF:21514.6/21

+ sign -3503.565+/-22.367 χ^2/NDF: 94077.0/39

All: -10.742+/-15.900 χ^2/NDF: 179235.3/80

- sign 3557.261+/-22.606 χ^2/NDF: 35861.7/40

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 115.415+/-0.019 χ^2/NDF:1681403.5/23

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

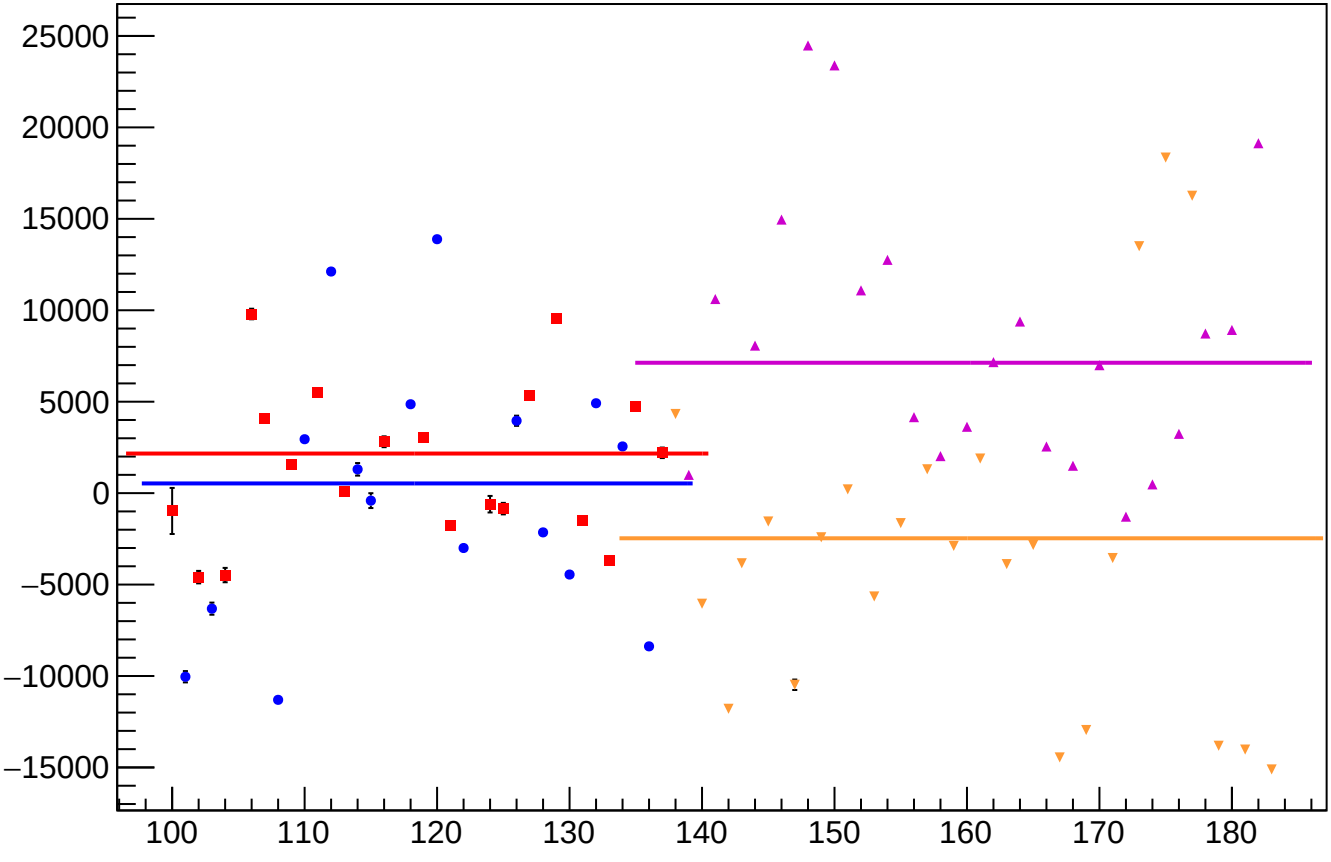
Left In: 116.353+/-0.020 χ^2/NDF:1543691.0/21

+ sign 109.680+/-0.016 χ^2/NDF: 2818637.0/39

All: 109.338+/-0.011 χ^2/NDF: 5749752.2/80

- sign 108.990+/-0.016 χ^2/NDF: 2930173.5/40

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2468.939+/-37.797 χ^2/NDF:46700.1/23

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

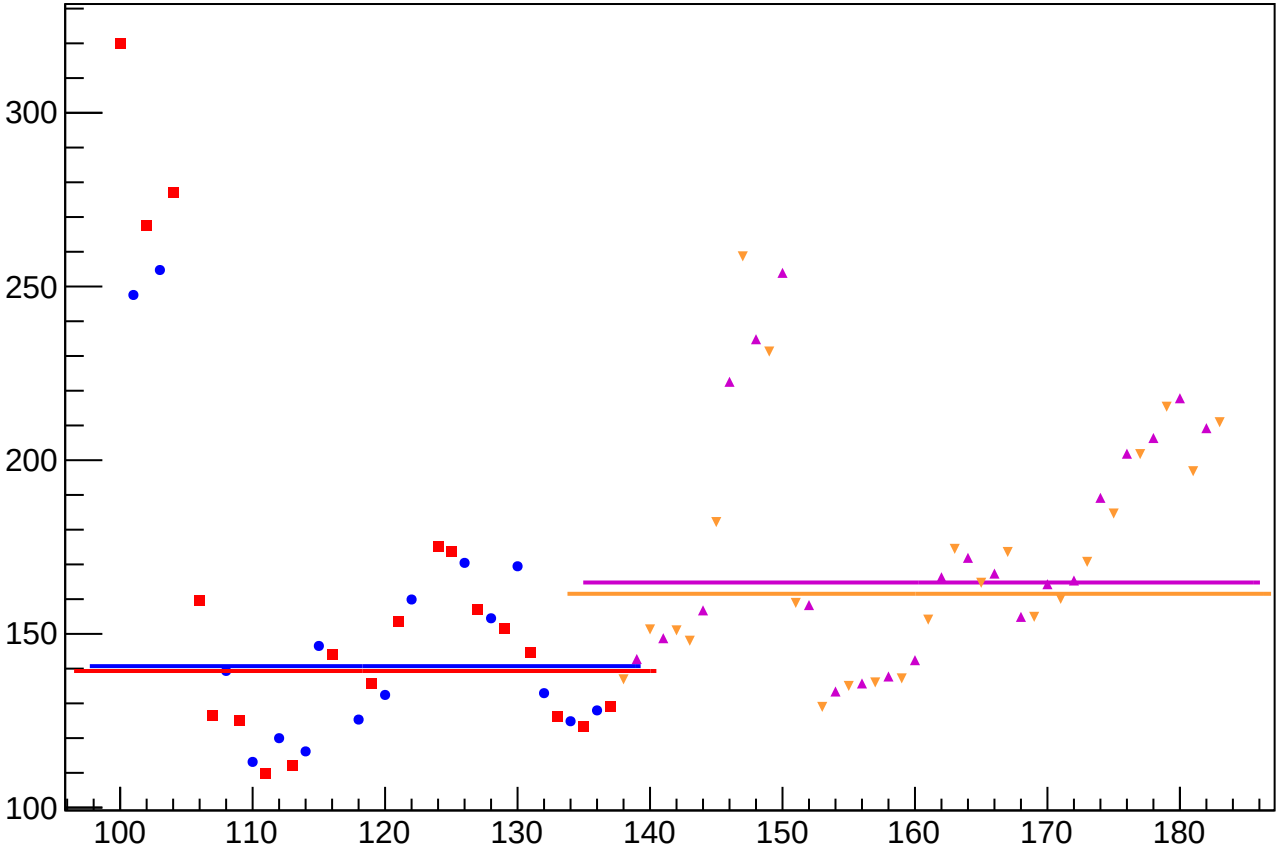
Left In: 7129.457+/-39.777 χ^2/NDF:23002.4/21

+ sign -1503.317+/-31.124 χ^2/NDF: 67315.2/39

All: 1842.707+/-22.281 χ^2/NDF: 124543.9/80

- sign 5360.352+/-31.912 χ^2/NDF: 33520.5/40

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 161.544+/-0.027 χ^2/NDF:1115340.6/23

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

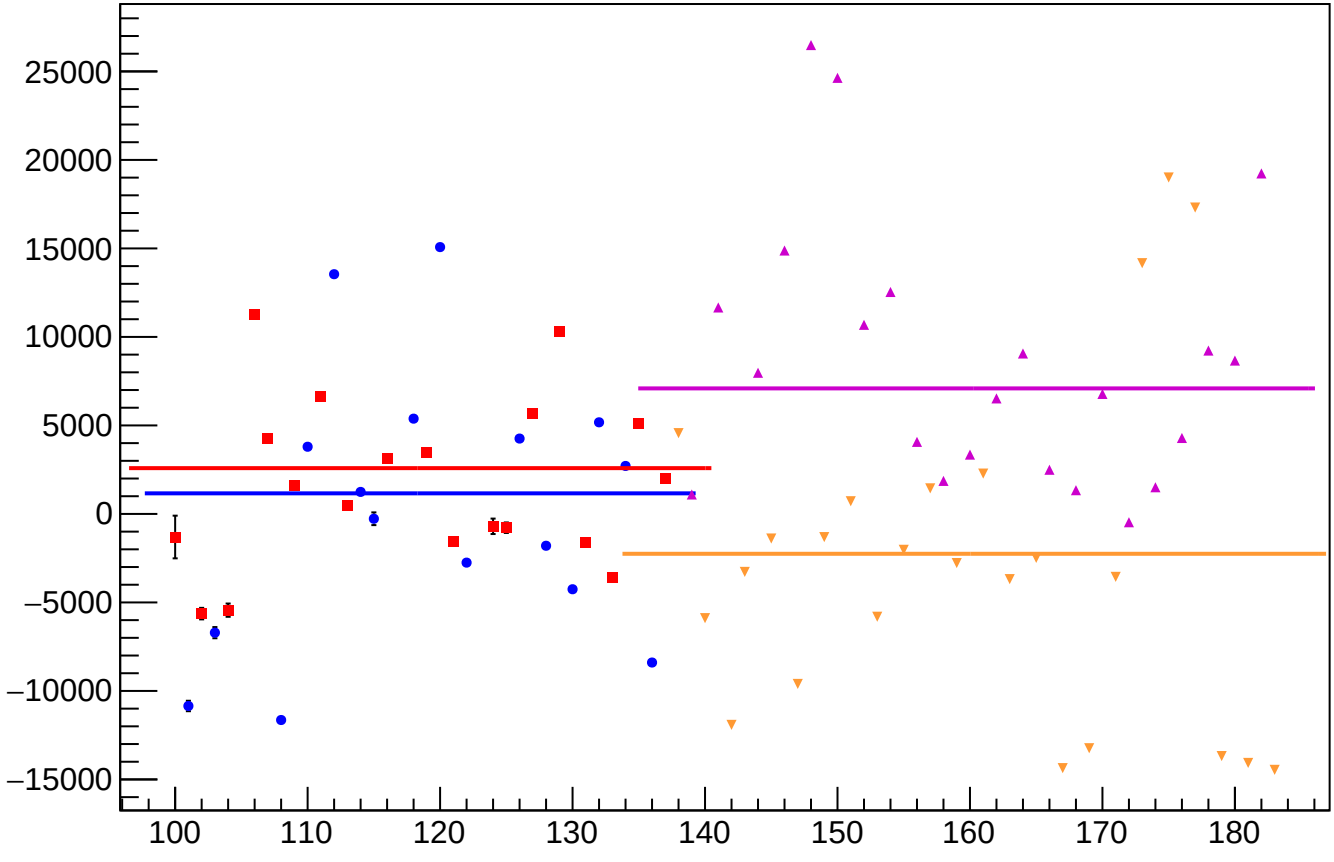
Left In: 164.795+/-0.028 χ^2/NDF:1150499.3/21

+ sign 154.839+/-0.022 χ^2/NDF: 1986483.5/39

All: 155.266+/-0.016 χ^2/NDF: 4232469.2/80

- sign 155.716+/-0.023 χ^2/NDF: 2245211.4/40

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2251.859+/-33.805 χ^2/NDF:57159.3/23

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

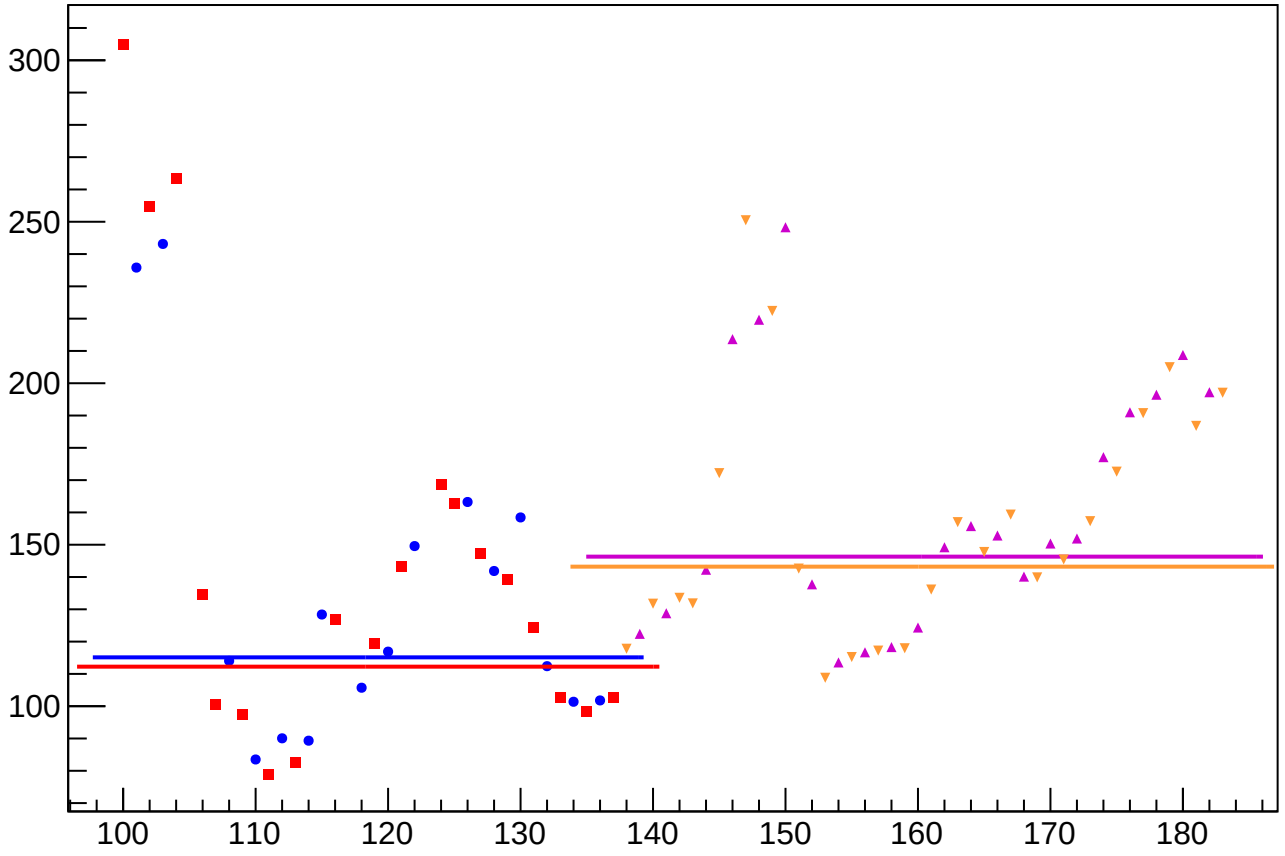
Left In: 7091.633+/-35.673 χ^2/NDF:28458.3/21

+ sign -1051.987+/-27.226 χ^2/NDF: 91499.1/39

All: 2069.292+/-19.442 χ^2/NDF: 161158.7/80

- sign 5317.457+/-27.774 χ^2/NDF: 42838.7/40

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 143.209+/-0.024 χ^2/NDF:1622337.9/23

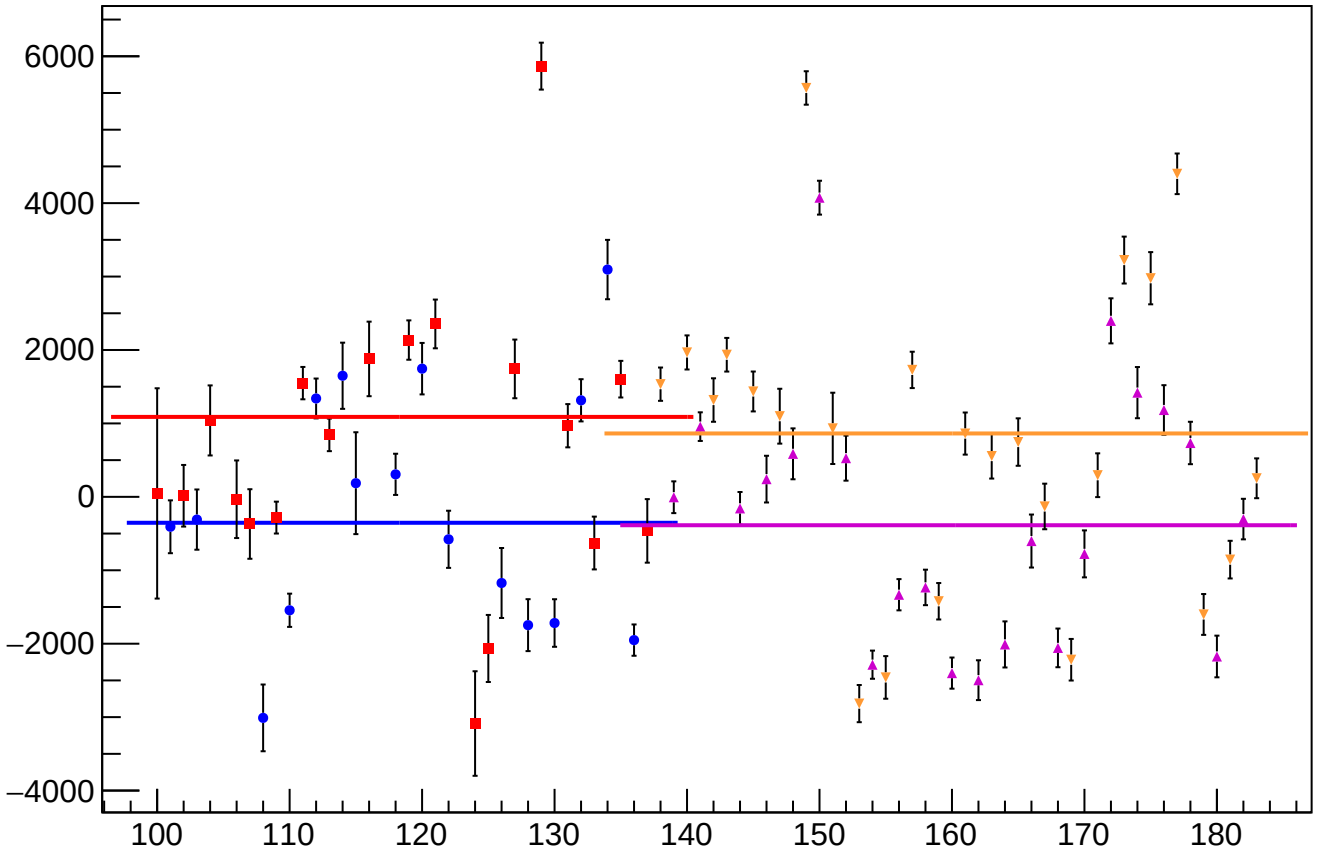
Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 146.310+/-0.025 χ^2/NDF:1654861.0/21

+ sign 133.341+/-0.019 χ^2/NDF: 3220324.7/39

All: 133.121+/-0.014 χ^2/NDF: 6922031.5/80

- sign 132.892+/-0.020 χ^2/NDF: 3701440.3/40



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 863.294+/-56.638 χ^2/NDF:1441.9/23

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

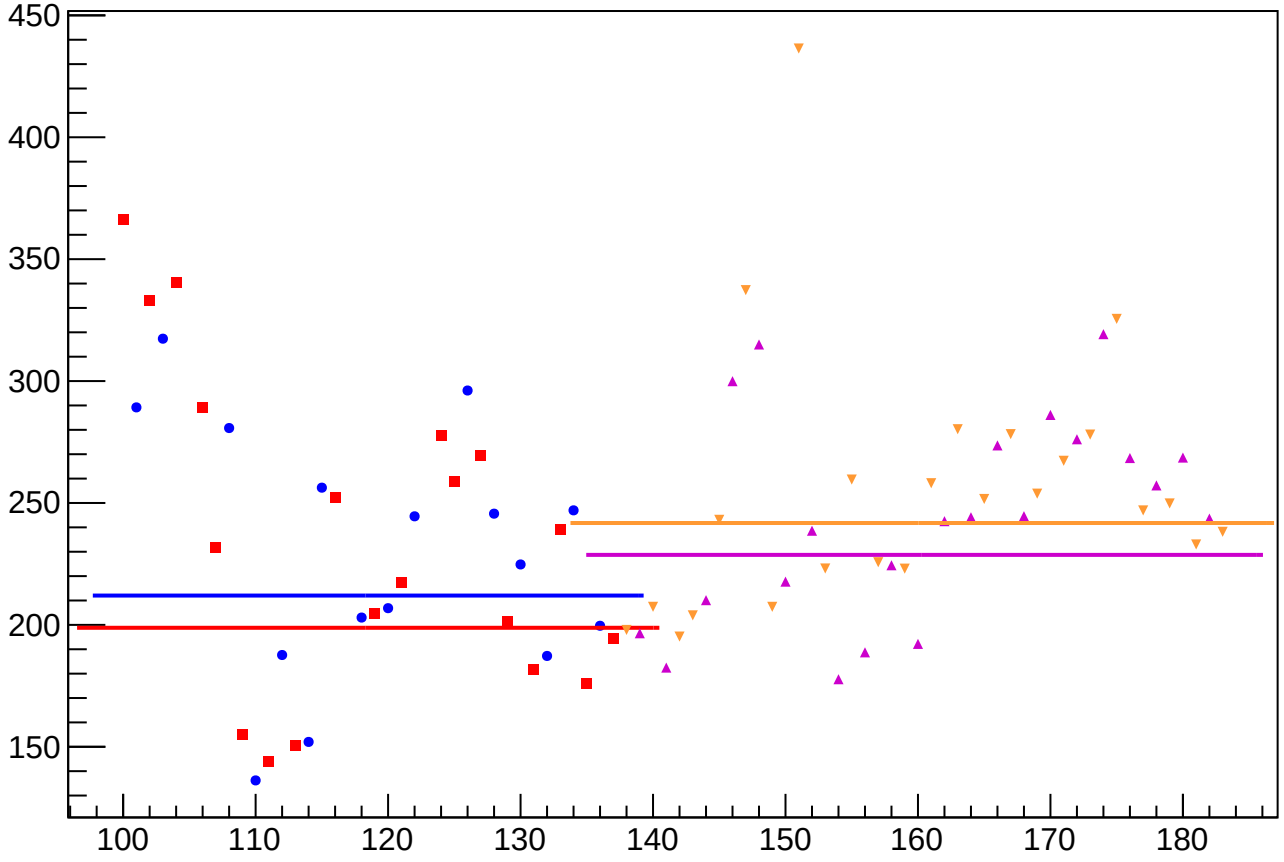
Left In: -386.656+/-55.486 χ^2/NDF:981.5/21

+ sign 471.287+/-46.627 χ^2/NDF: 1952.4/39

All: 290.296+/-32.344 χ^2/NDF: 3654.1/80

- sign 122.435+/-44.904 χ^2/NDF: 1672.7/40

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.787+/-0.040 χ^2/NDF:986317.3/23

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

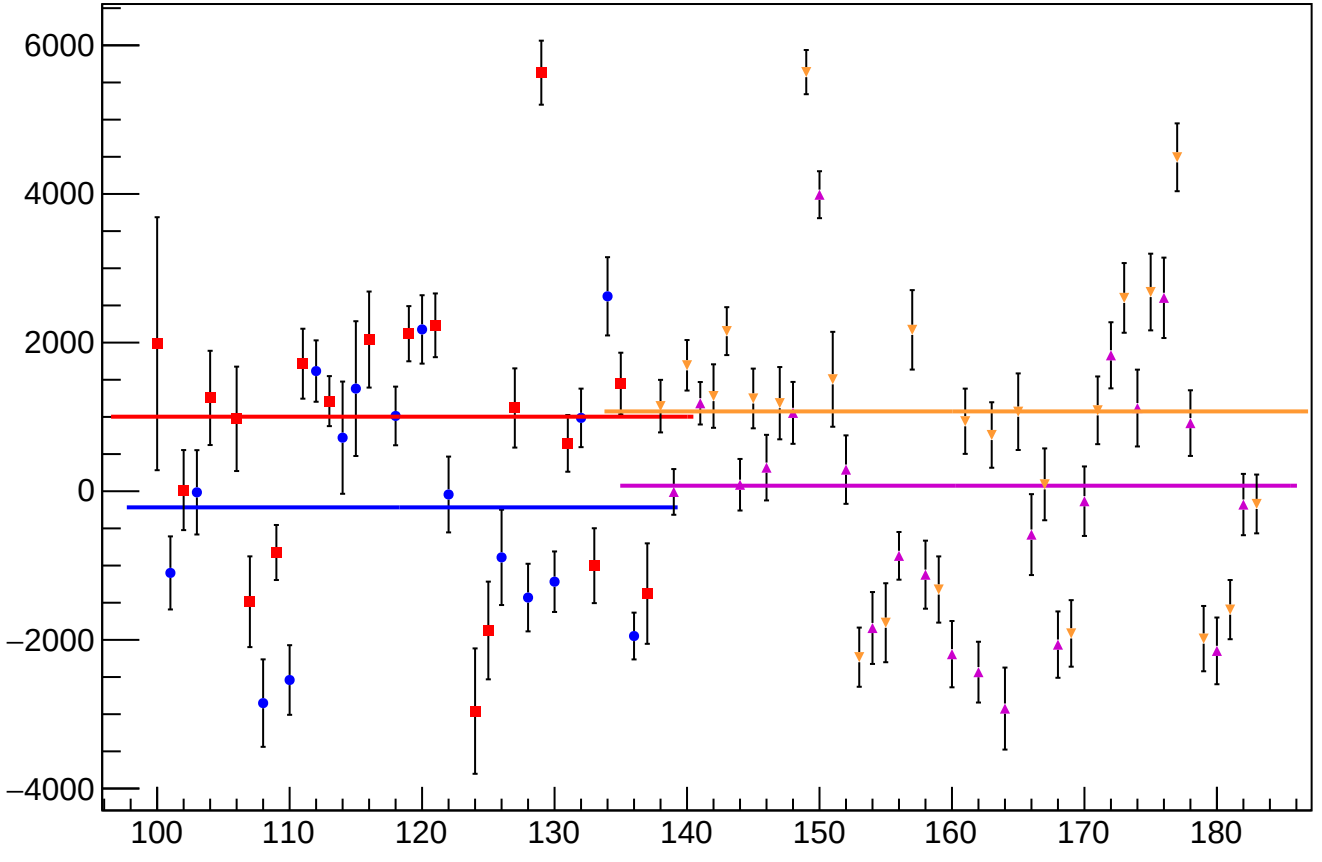
Left In: 228.712+/-0.039 χ^2/NDF:1061041.5/21

+ sign 232.196+/-0.033 χ^2/NDF: 1854614.3/39

All: 225.035+/-0.023 χ^2/NDF: 4181940.1/80

- sign 218.394+/-0.032 χ^2/NDF: 2236398.5/40

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1074.144+/-86.550 χ^2/NDF:610.8/23

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

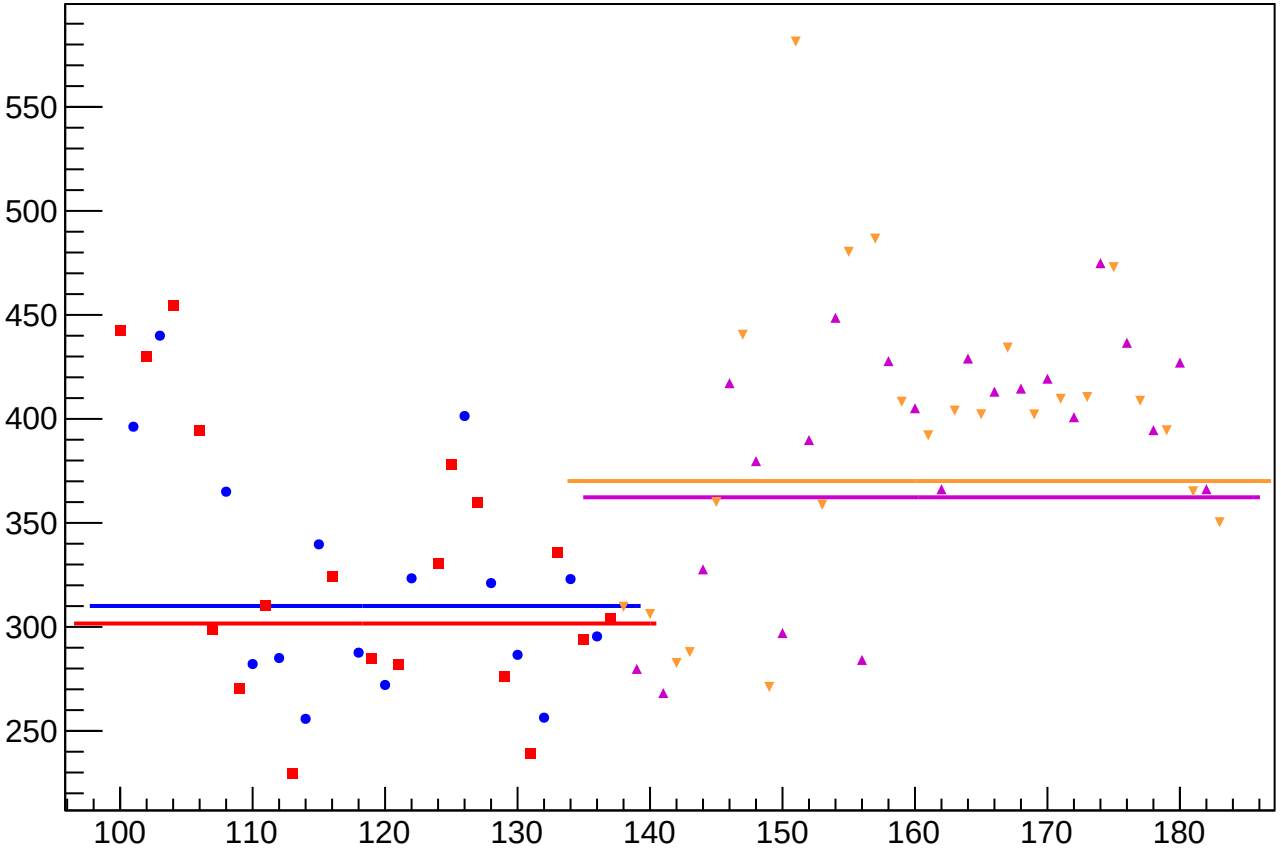
Left In: 74.458+/-87.388 χ^2/NDF:393.7/21

+ sign 621.959+/-69.766 χ^2/NDF: 880.9/39

All: 520.871+/-49.114 χ^2/NDF: 1575.3/80

- sign 421.551+/-69.153 χ^2/NDF: 690.2/40

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 370.135+/-0.061 χ^2/NDF:1229507.5/23

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

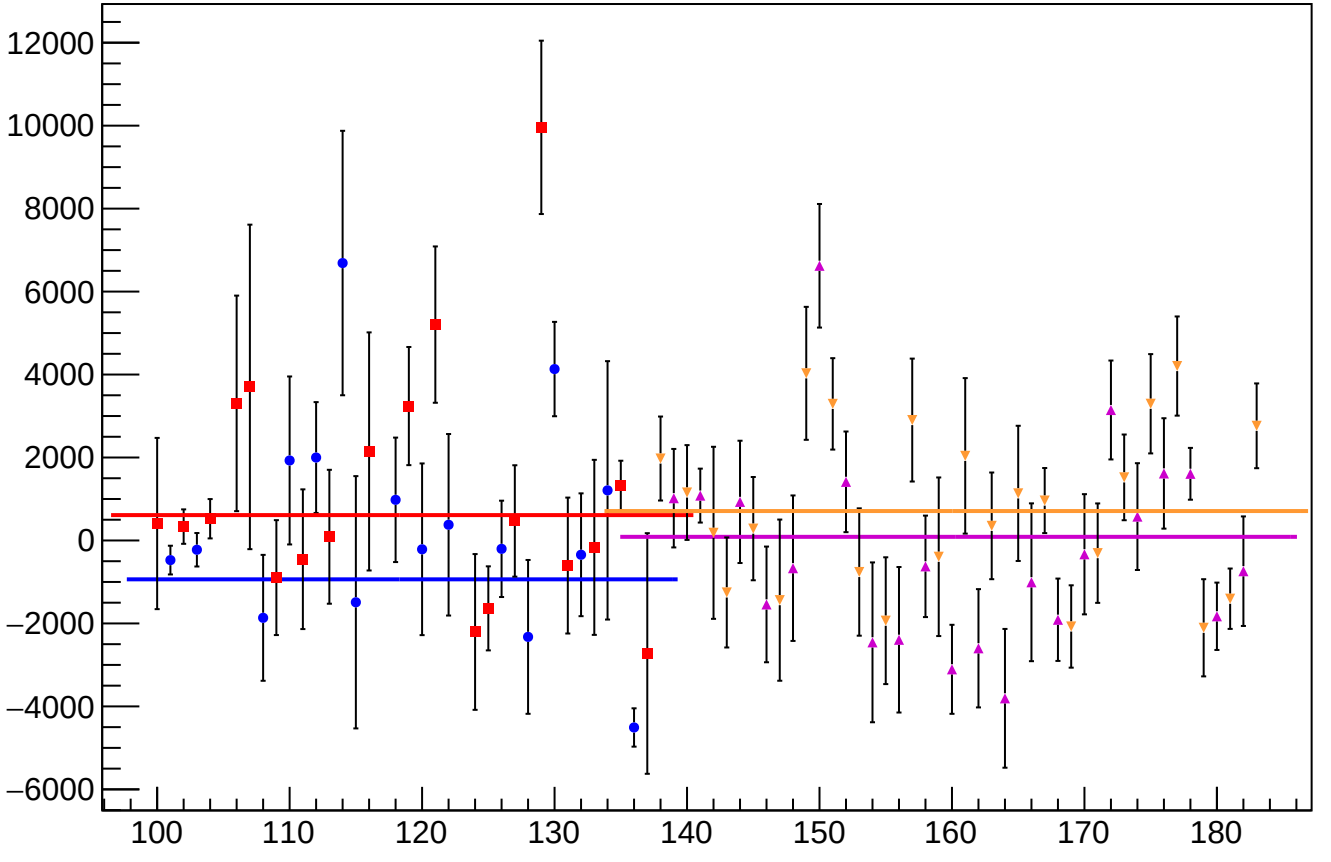
Left In: 362.313+/-0.062 χ^2/NDF:1053383.3/21

+ sign 349.095+/-0.049 χ^2/NDF: 1890245.7/39

All: 344.323+/-0.035 χ^2/NDF: 3842471.7/80

- sign 339.633+/-0.049 χ^2/NDF: 1933669.1/40

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 709.466+/-244.272 χ^2/NDF:62.9/23

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

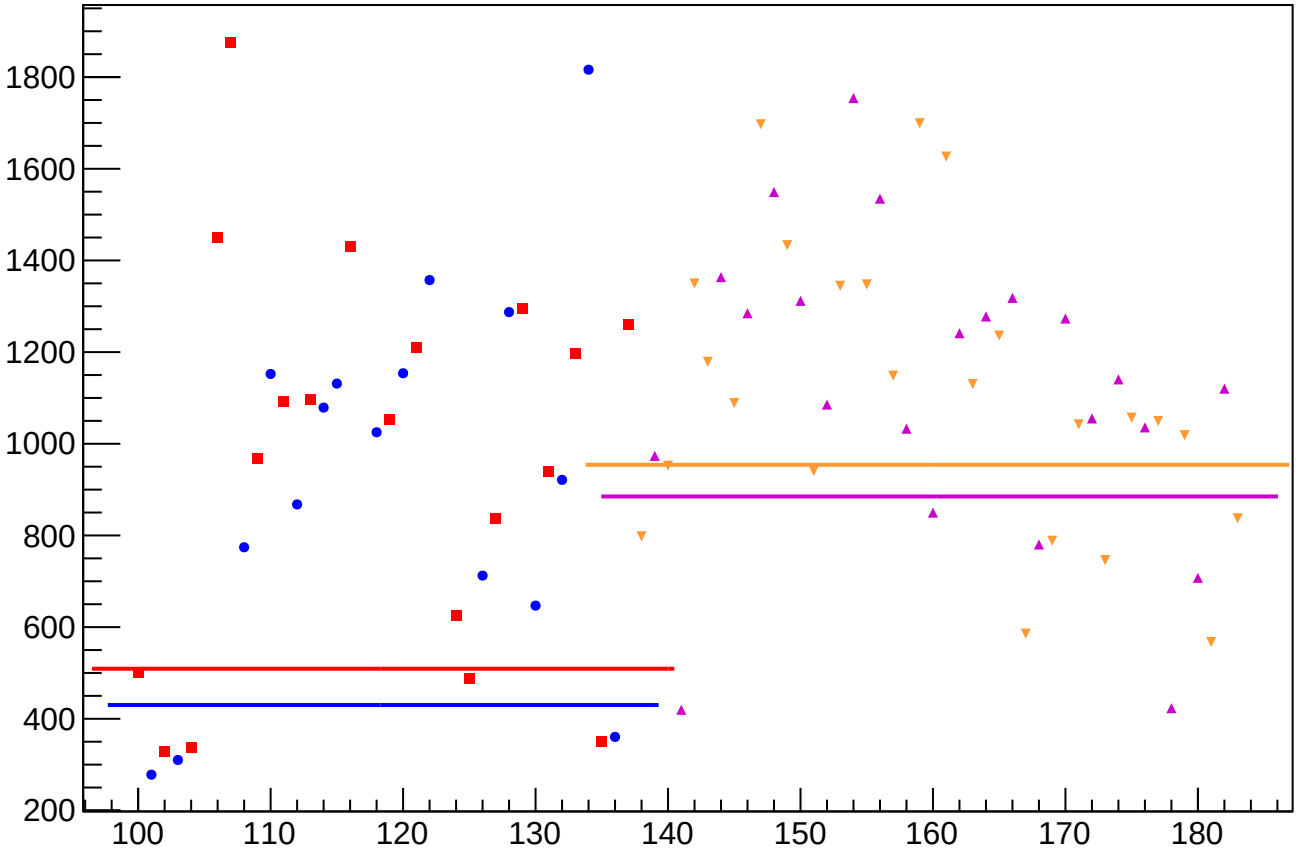
Left In: 87.798+/-244.124 χ^2/NDF:71.6/21

+ sign -257.672+/-156.902 χ^2/NDF: 190.8/39

All: 29.809+/-114.861 χ^2/NDF: 316.1/80

- sign 361.778+/-168.606 χ^2/NDF: 118.1/40

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 954.119+/-0.173 χ^2/NDF:2841190.5/23

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

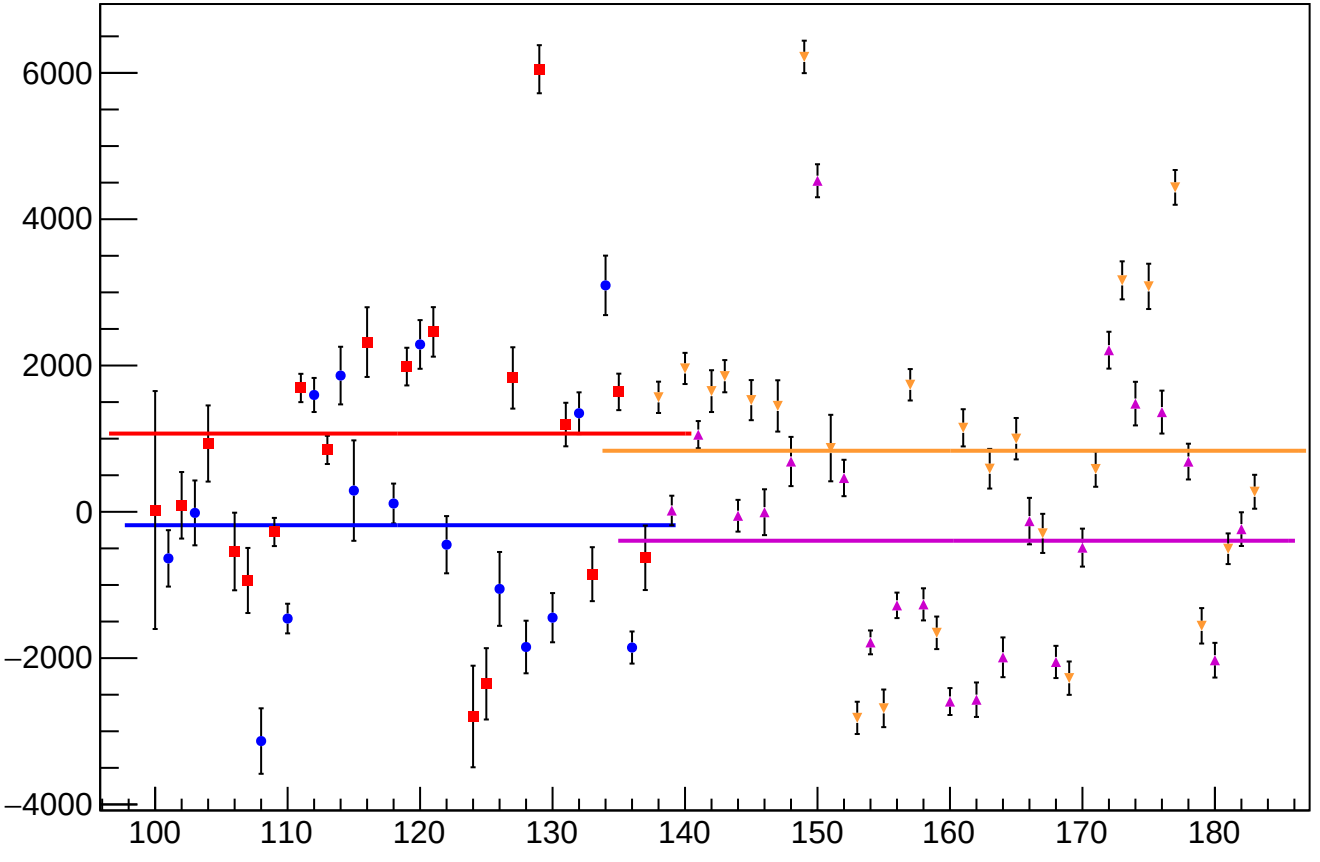
Left In: 885.084+/-0.173 χ^2/NDF:4532699.6/21

+ sign 646.306+/-0.111 χ^2/NDF: 11769452.2/39

All: 665.896+/-0.081 χ^2/NDF: 22522068.2/80

- sign 688.518+/-0.119 χ^2/NDF: 10685432.4/40

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 834.808+/-50.385 χ^2/NDF:1985.8/23

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

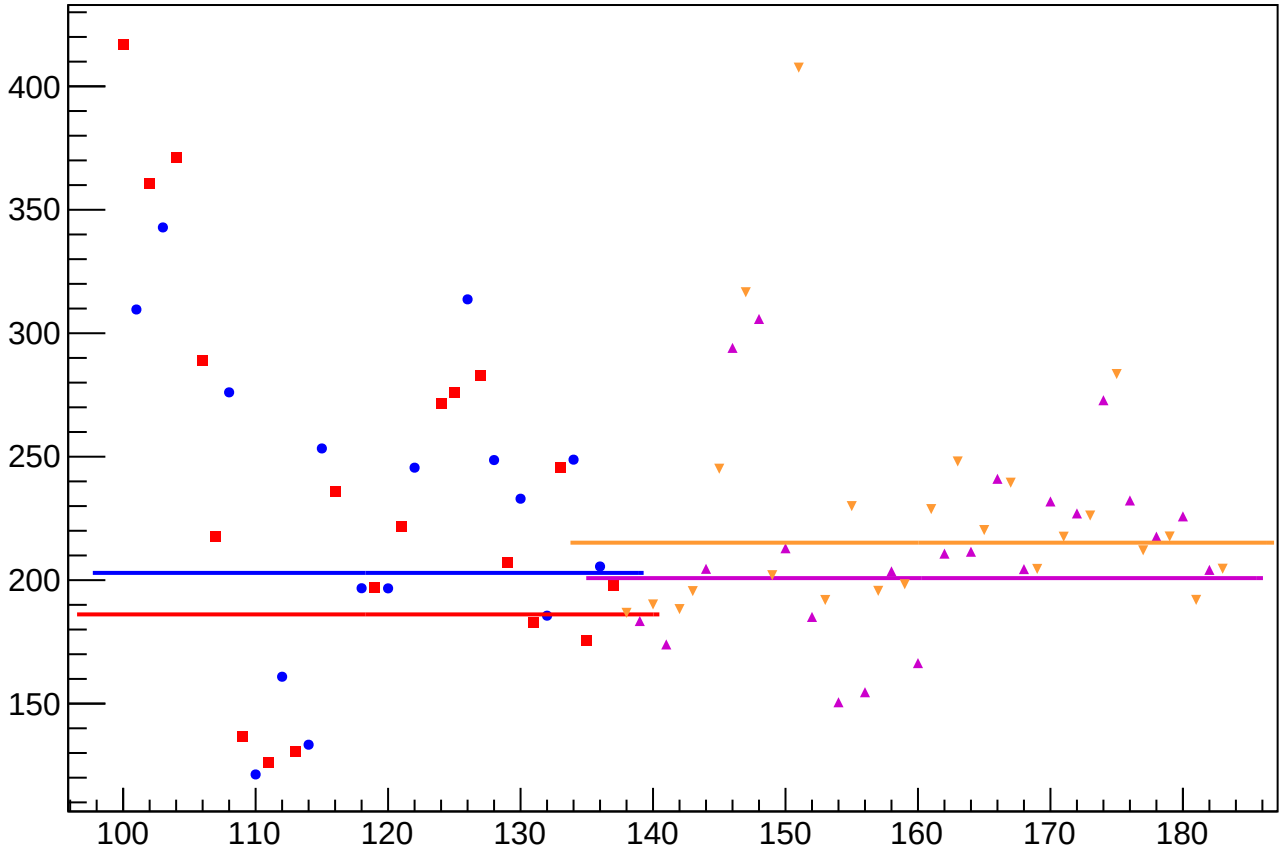
Left In: -395.239+/-48.844 χ^2/NDF:1250.5/21

+ sign 545.031+/-42.613 χ^2/NDF: 2519.6/39

All: 289.399+/-29.397 χ^2/NDF: 4609.0/80

- sign 57.281+/-40.606 χ^2/NDF: 2020.7/40

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.180+/-0.036 χ^2/NDF:896584.6/23

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

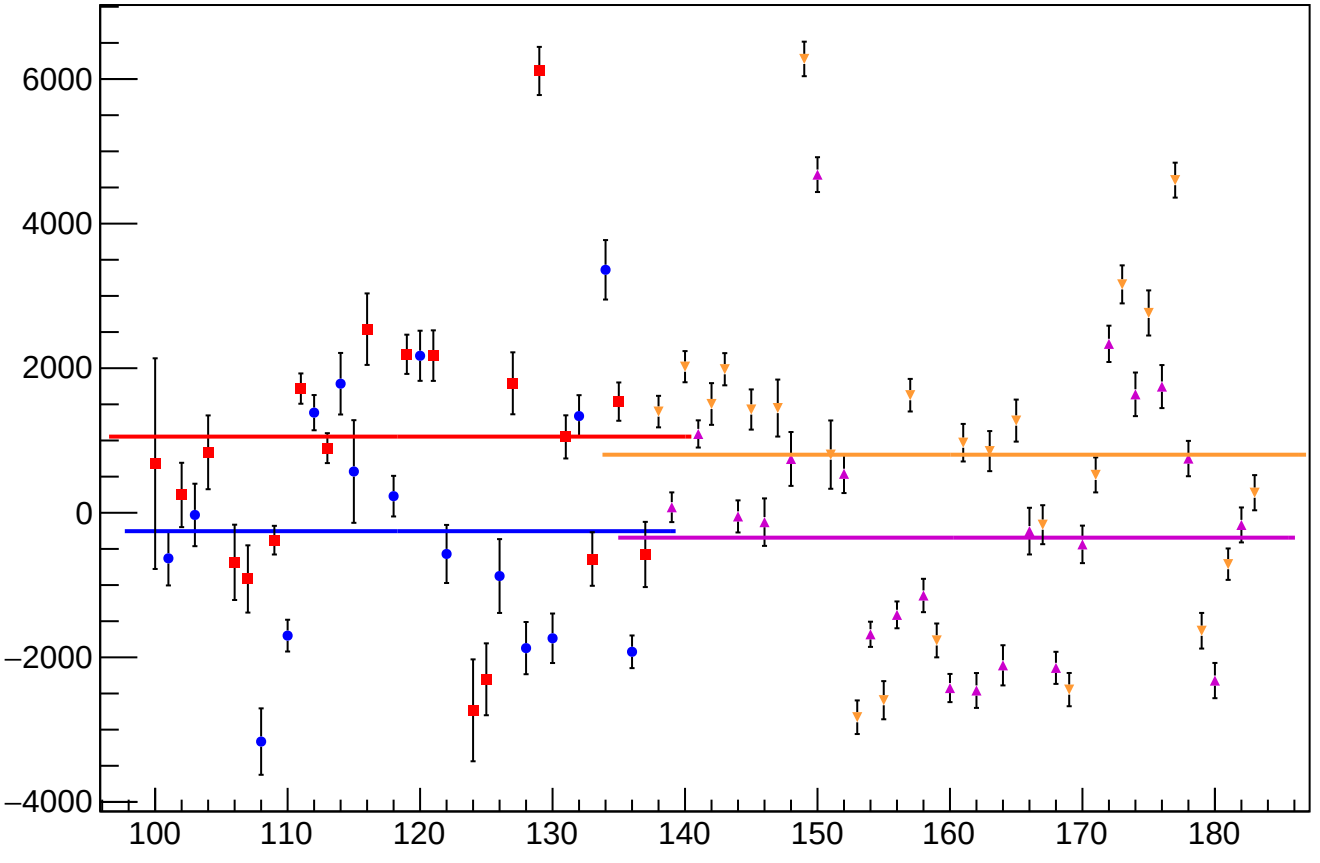
Left In: 200.827+/-0.035 χ^2/NDF:1105413.1/21

+ sign 211.696+/-0.030 χ^2/NDF: 2002041.2/39

All: 203.620+/-0.021 χ^2/NDF: 4782120.5/80

- sign 196.287+/-0.029 χ^2/NDF: 2643016.0/40

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 803.430+/-51.807 χ^2/NDF:1884.3/23

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

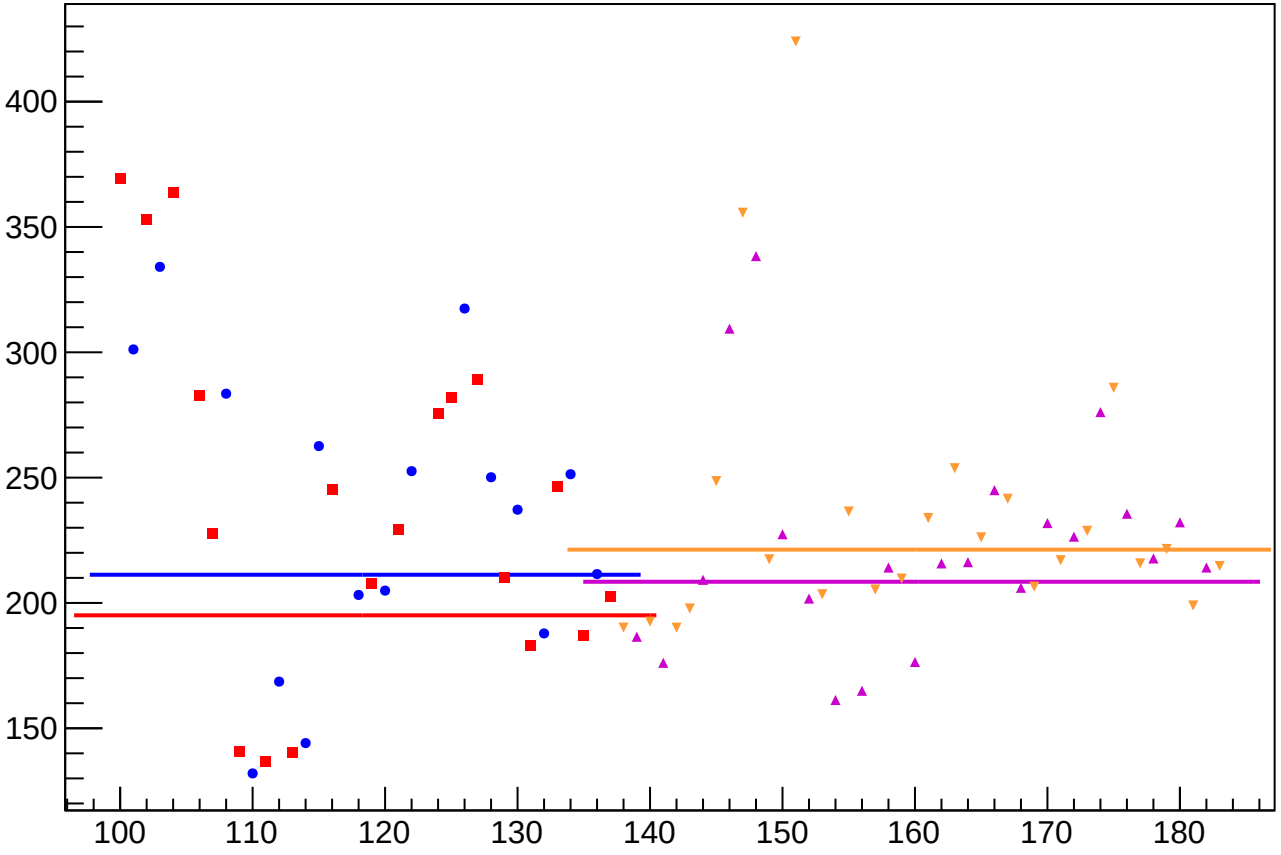
Left In: -344.200+/-50.595 χ^2/NDF:1212.3/21

\+ sign 504.191+/-43.872 χ^2/NDF: 2411.5/39

All: 286.181+/-30.380 χ^2/NDF: 4383.4/80

\- sign 85.325+/-42.110 χ^2/NDF: 1924.5/40

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.267+/-0.037 χ^2/NDF:939183.3/23

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

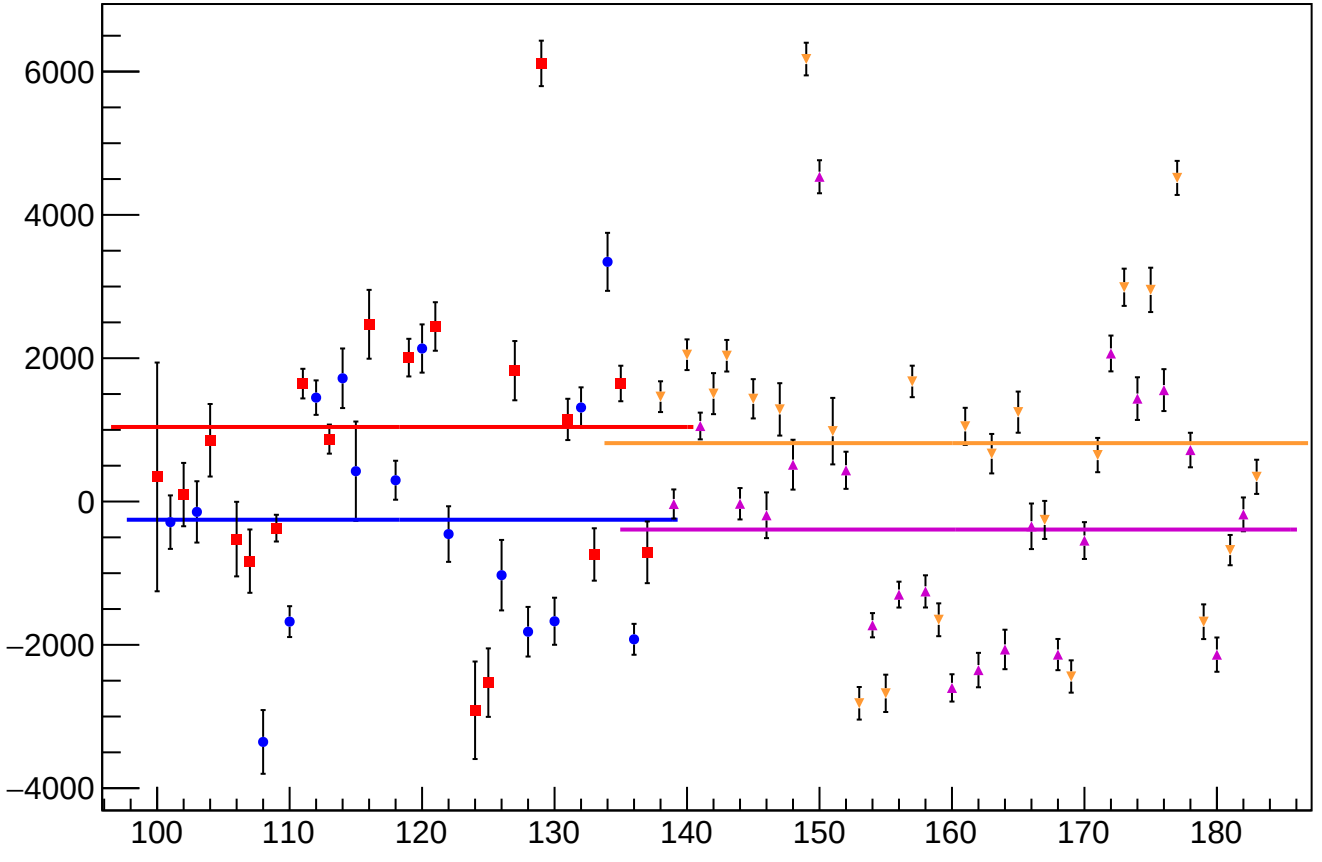
Left In: 208.454+/-0.036 χ^2/NDF:1035121.5/21

+ sign 218.434+/-0.031 χ^2/NDF: 1844681.0/39

All: 211.098+/-0.021 χ^2/NDF: 4315195.0/80

- sign 204.339+/-0.030 χ^2/NDF: 2363061.8/40

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 814.872+/-50.877 χ^2/NDF:1953.0/23

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

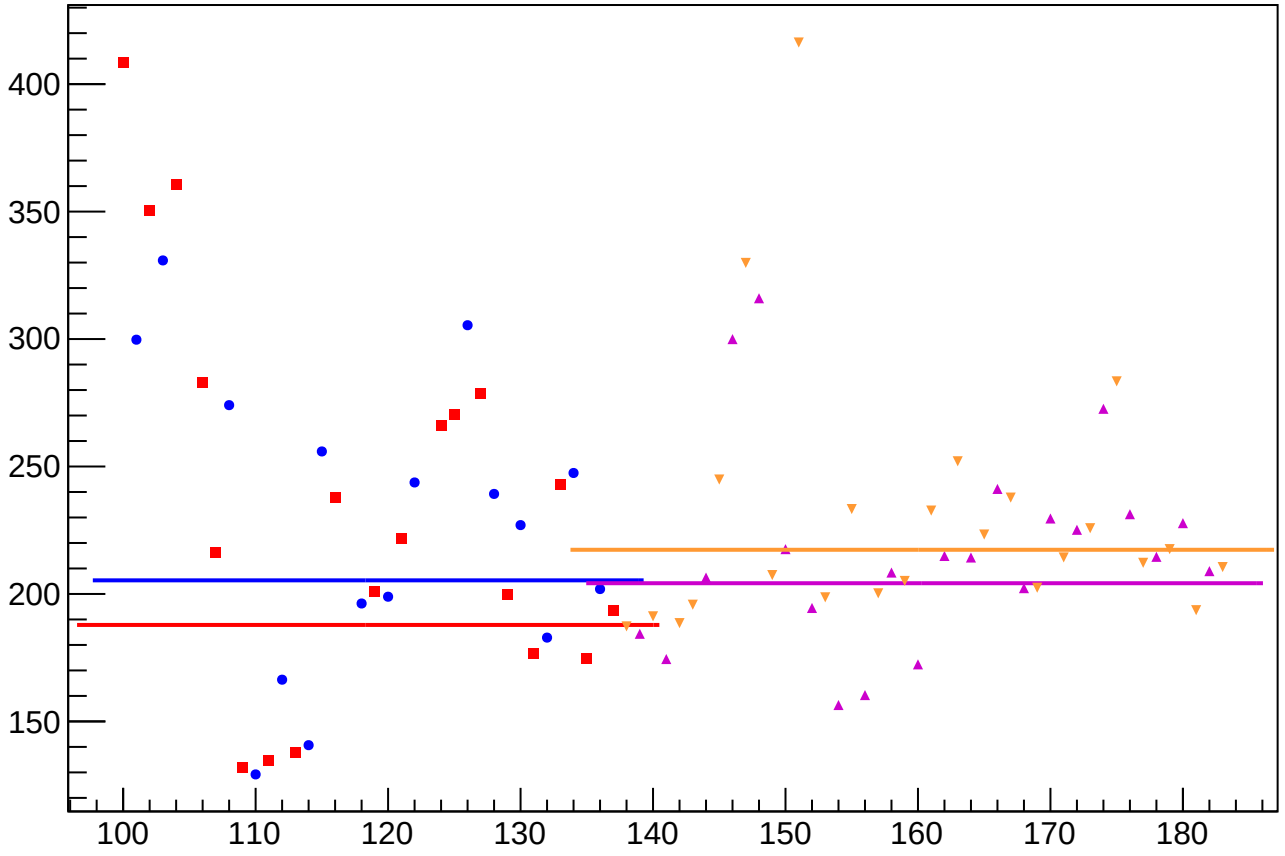
Left In: -390.981+/-49.577 χ^2/NDF:1197.9/21

+ sign 508.268+/-42.965 χ^2/NDF: 2511.7/39

All: 272.895+/-29.691 χ^2/NDF: 4561.7/80

- sign 57.752+/-41.077 χ^2/NDF: 1992.6/40

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.333+/-0.036 χ^2/NDF:909834.2/23

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

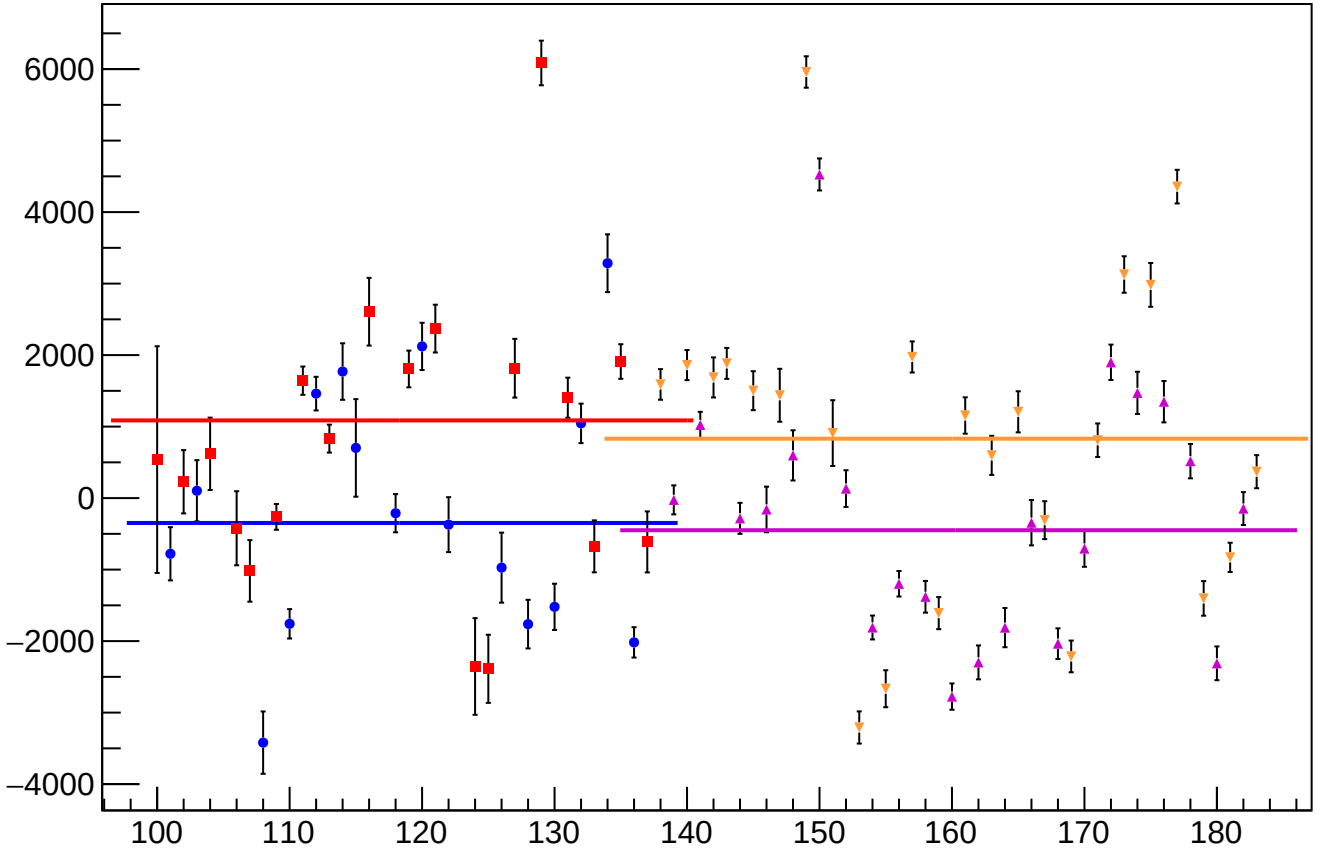
Left In: 204.214+/-0.035 χ^2/NDF:1014599.0/21

\+ sign 213.893+/-0.030 χ^2/NDF: 1819104.0/39

All: 206.156+/-0.021 χ^2/NDF: 4363231.9/80

\- sign 199.084+/-0.029 χ^2/NDF: 2419977.8/40

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 830.803+/-50.148 χ^2/NDF:1993.3/23

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

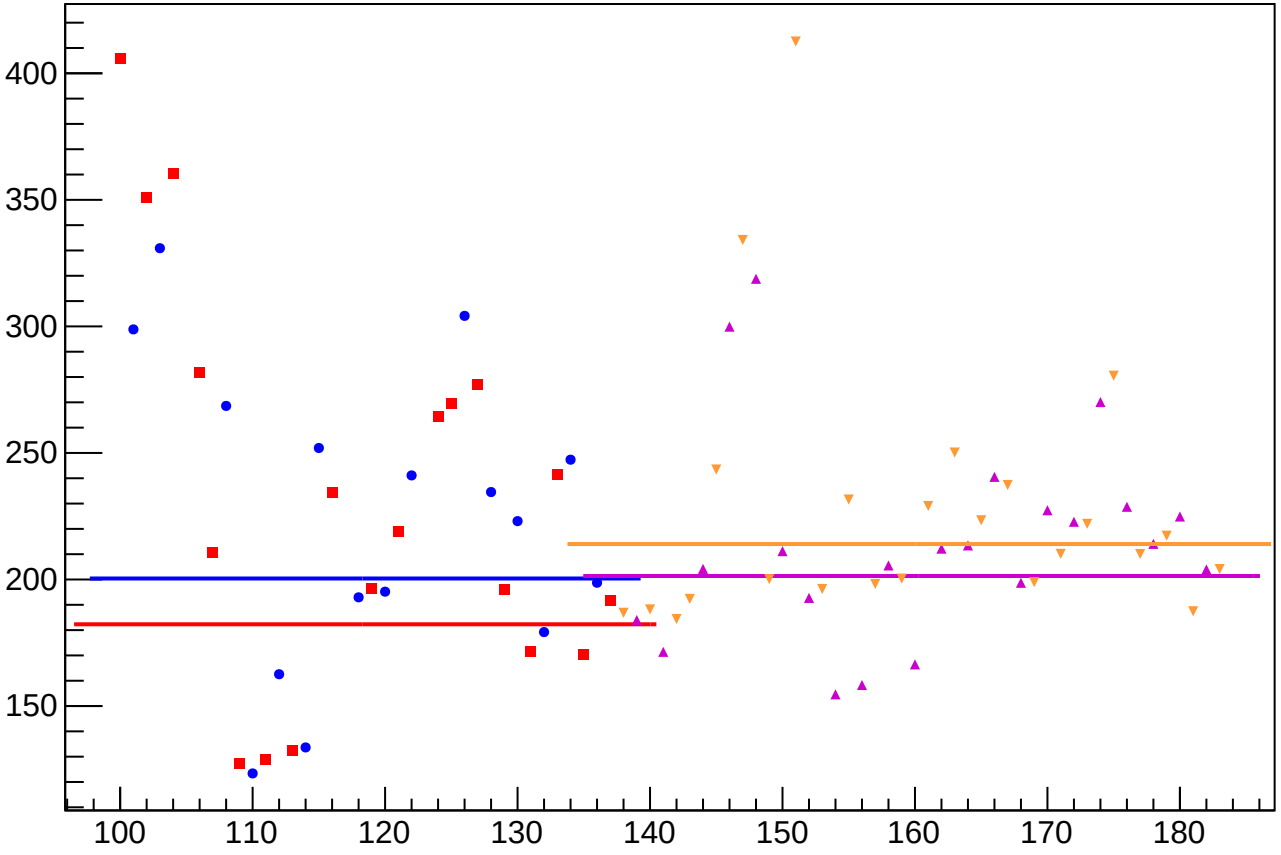
Left In: -449.323+/-48.932 χ^2/NDF:1232.5/21

\+ sign 489.668+/-42.271 χ^2/NDF: 2599.0/39

All: 254.712+/-29.202 χ^2/NDF: 4731.9/80

\- sign 40.227+/-40.388 χ^2/NDF: 2073.8/40

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.006+/-0.035 χ^2/NDF:962292.4/23

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

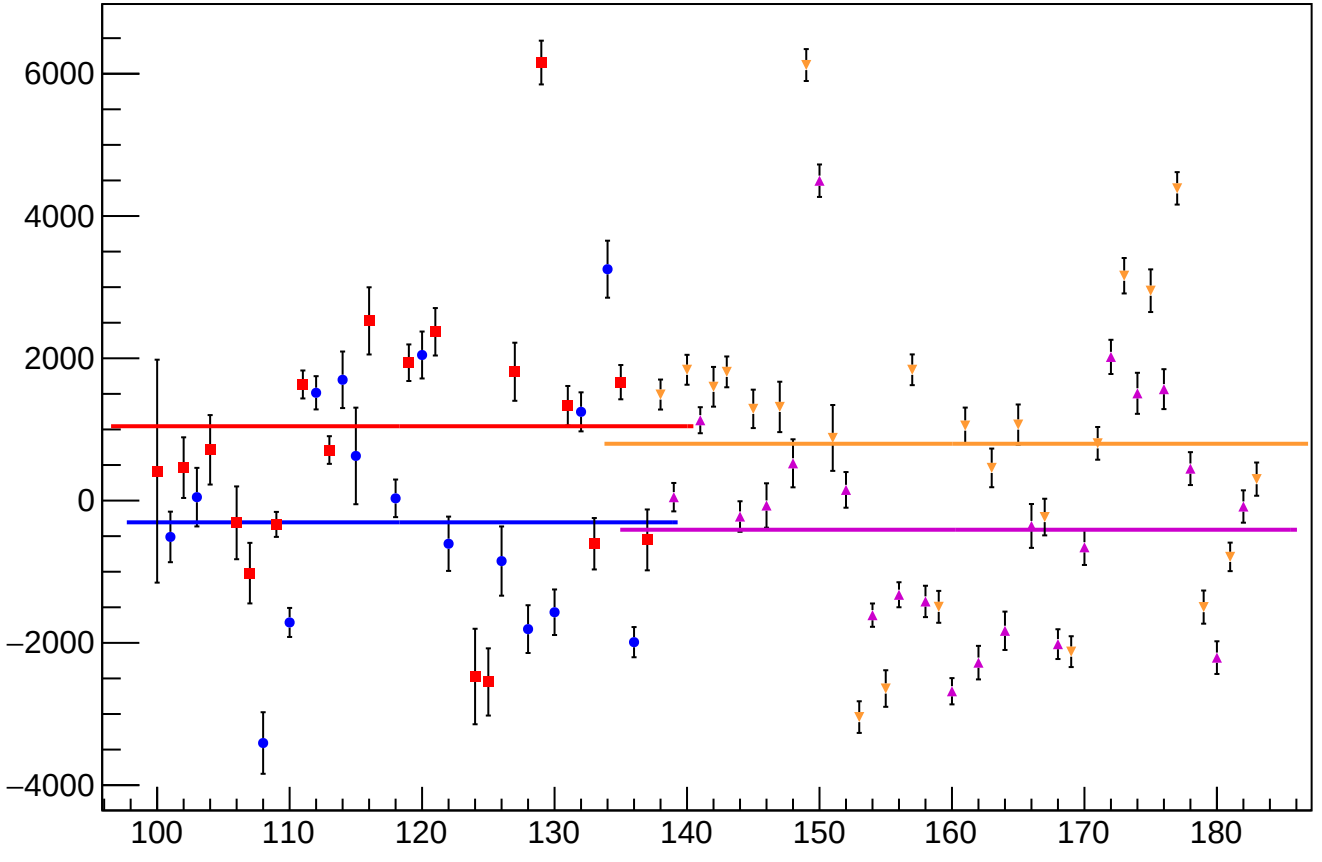
Left In: 201.382+/-0.035 χ^2/NDF:1061764.6/21

+ sign 210.067+/-0.030 χ^2/NDF: 1963920.2/39

All: 202.348+/-0.021 χ^2/NDF: 4697398.9/80

- sign 195.301+/-0.029 χ^2/NDF: 2605890.2/40

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 798.797+/-49.561 χ^2/NDF:1993.7/23

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

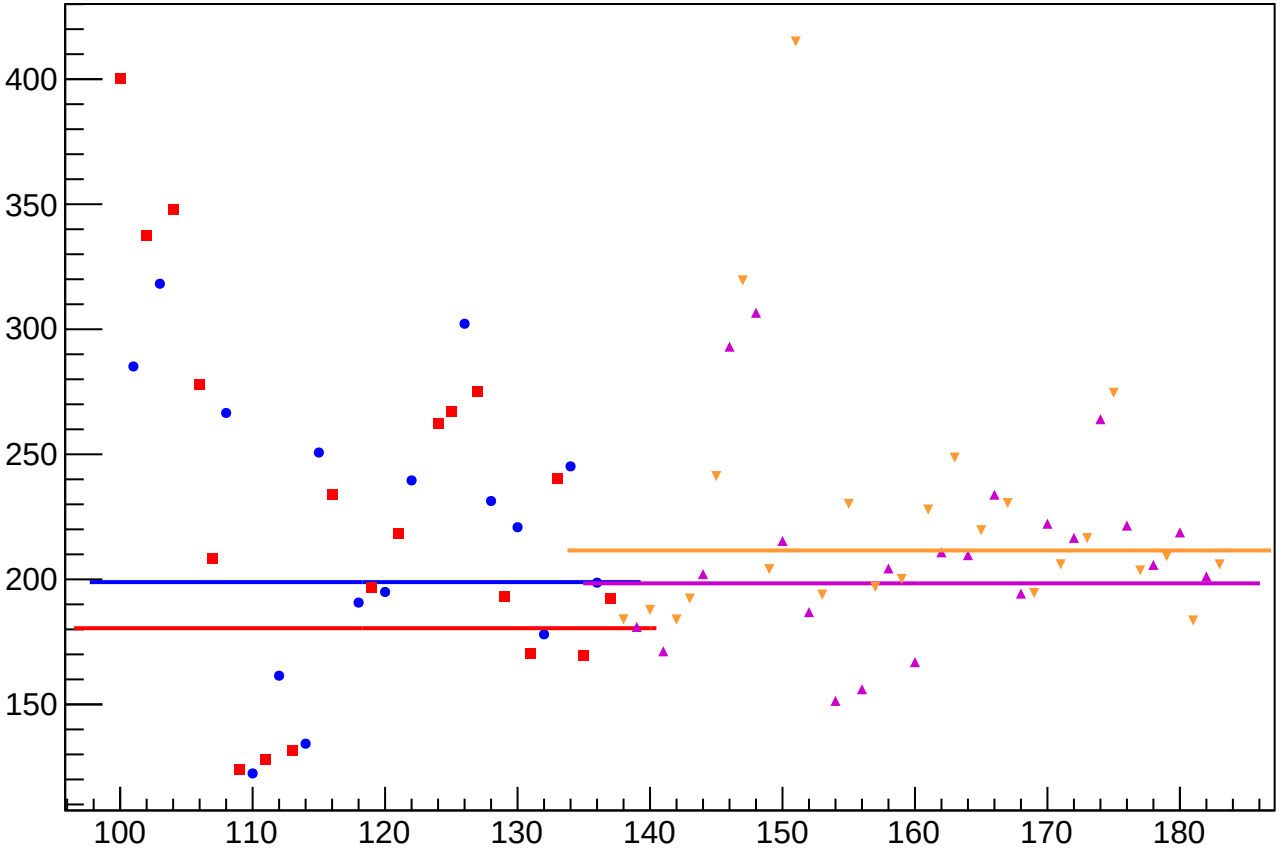
Left In: -409.789+/-48.194 χ^2/NDF:1229.2/21

+ sign 480.378+/-41.811 χ^2/NDF: 2588.7/39

All: 255.195+/-28.844 χ^2/NDF: 4713.9/80

- sign 50.696+/-39.844 χ^2/NDF: 2069.9/40

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 211.556+/-0.035 χ^2/NDF:934772.2/23

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

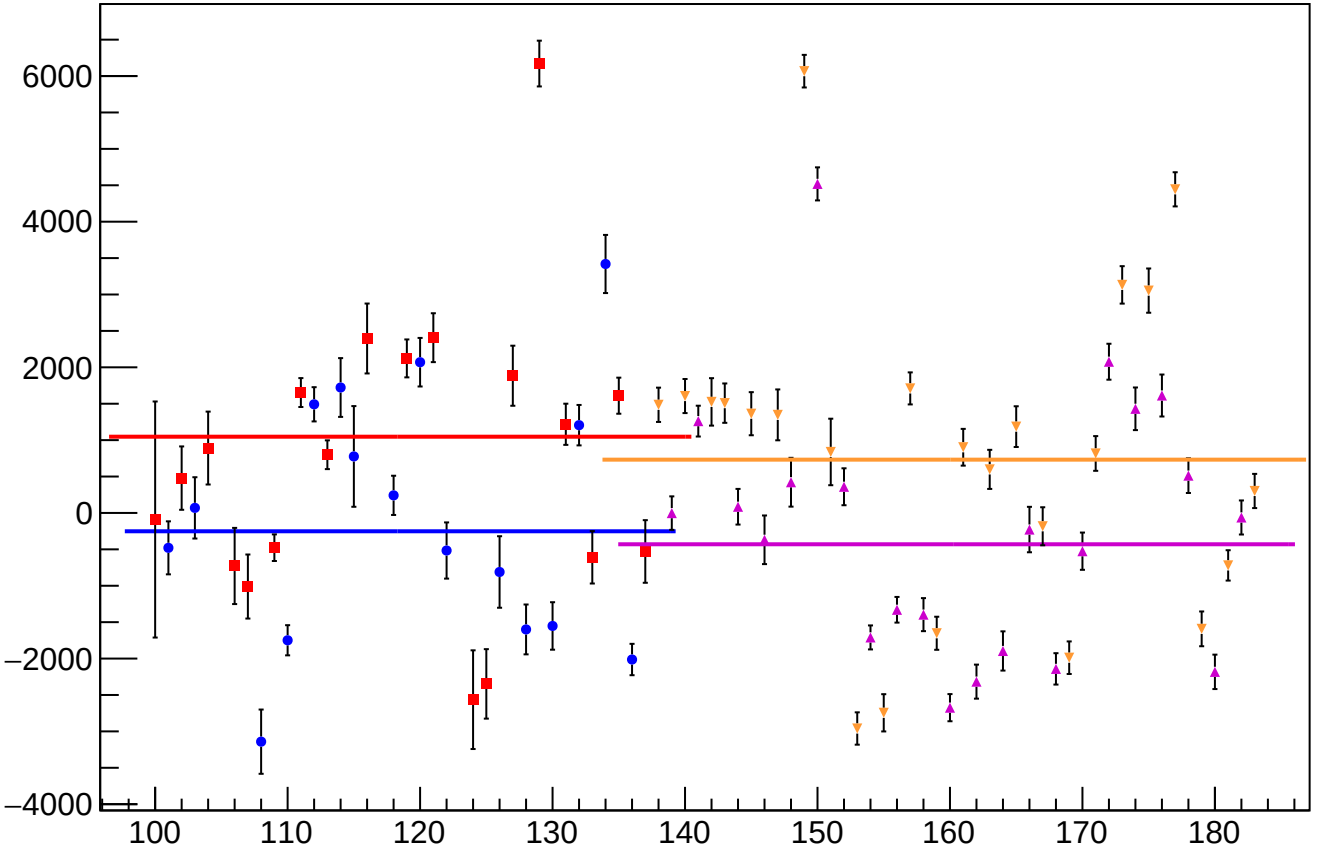
Left In: 198.404+/-0.034 χ^2/NDF:1005658.5/21

\+ sign 207.908+/-0.030 χ^2/NDF: 1885124.8/39

All: 199.953+/-0.020 χ^2/NDF: 4550996.7/80

\- sign 192.729+/-0.028 χ^2/NDF: 2527724.9/40

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 731.911+/-51.516 χ^2/NDF:1911.6/23

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

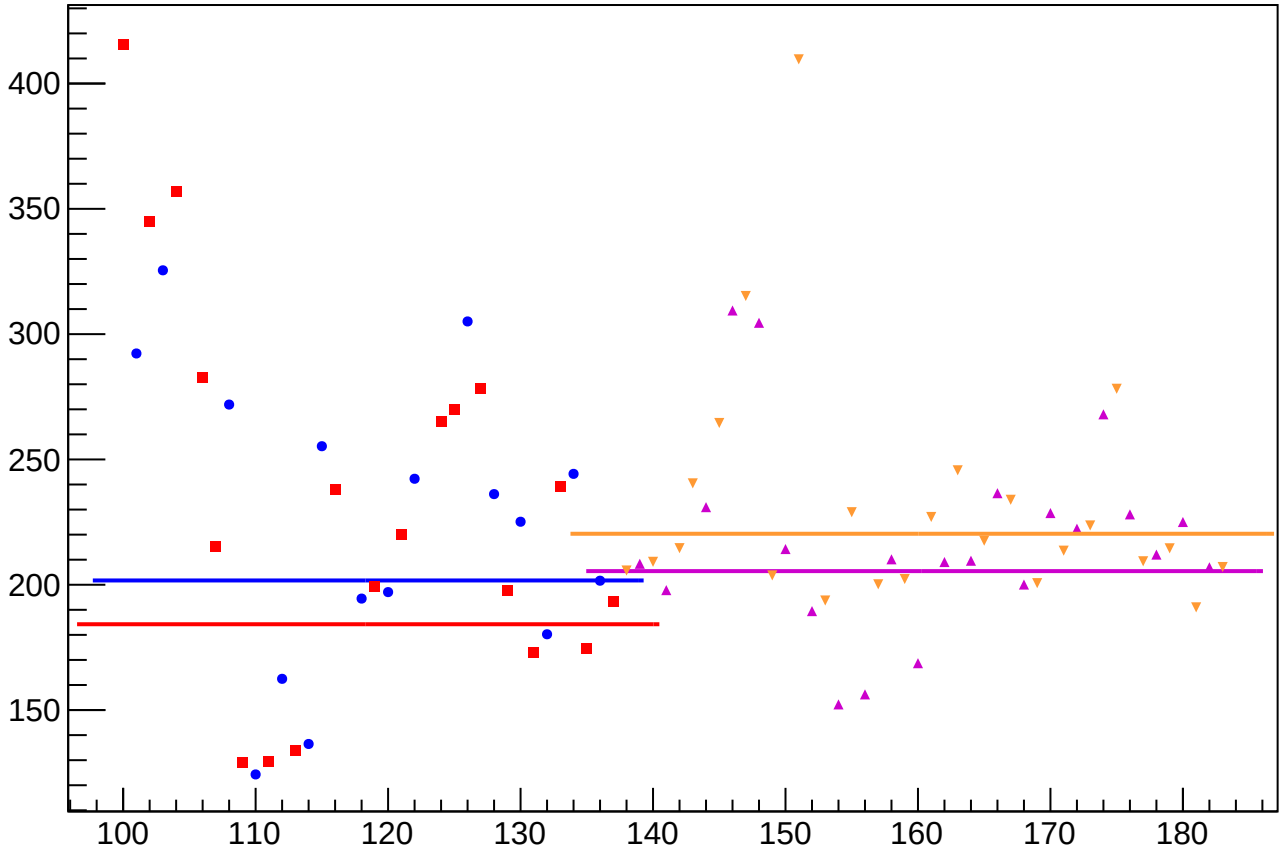
Left In: -430.236+/-49.934 χ^2/NDF:1237.6/21

+ sign 438.275+/-43.148 χ^2/NDF: 2461.7/39

All: 233.432+/-29.747 χ^2/NDF: 4572.3/80

- sign 47.868+/-41.067 χ^2/NDF: 2067.7/40

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 220.348+/-0.036 χ^2/NDF:797716.7/23

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

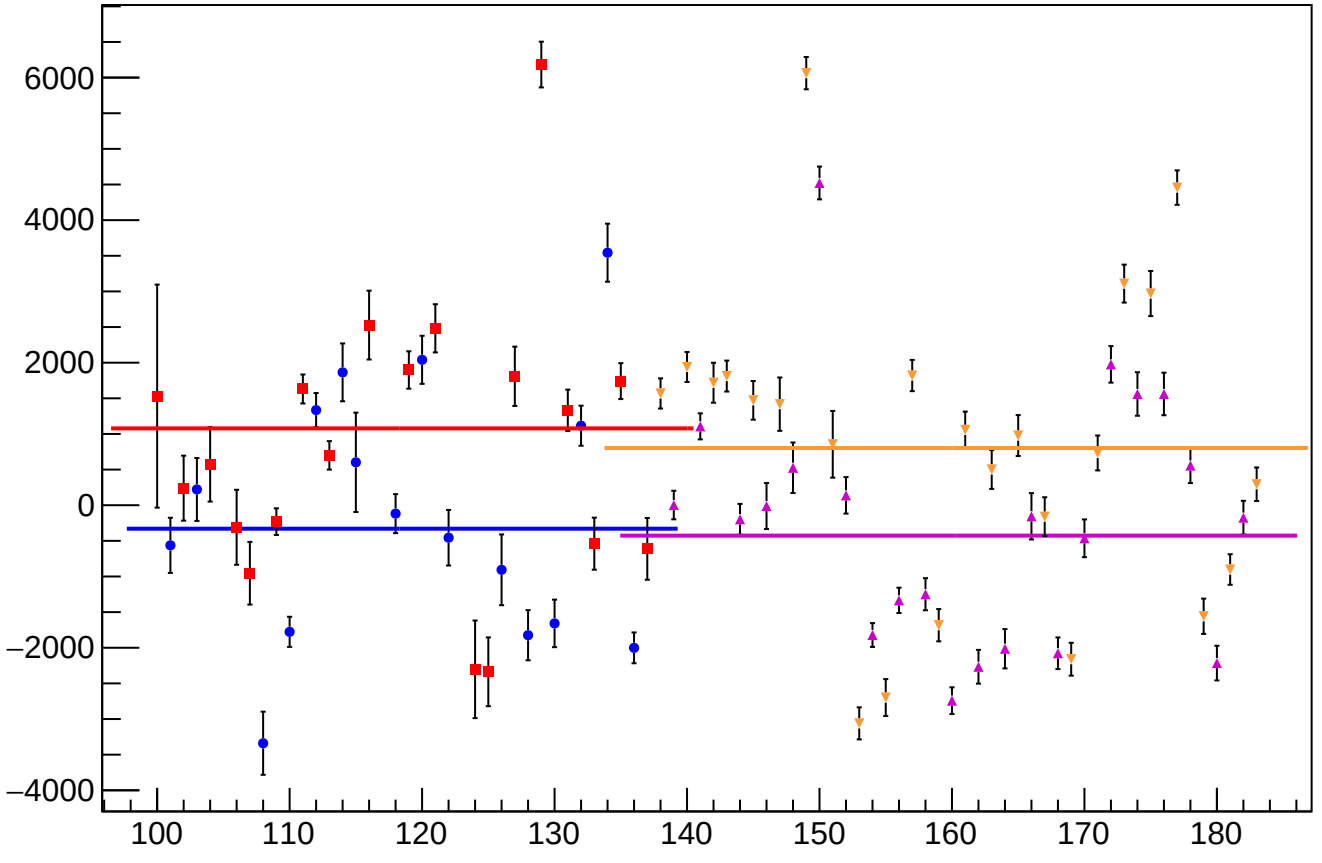
Left In: 205.442+/-0.035 χ^2/NDF:1013890.9/21

+ sign 214.786+/-0.031 χ^2/NDF: 1800041.9/39

All: 206.284+/-0.021 χ^2/NDF: 4482337.5/80

- sign 198.582+/-0.029 χ^2/NDF: 2534302.8/40

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 803.052+/-50.921 χ^2/NDF:1931.1/23

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

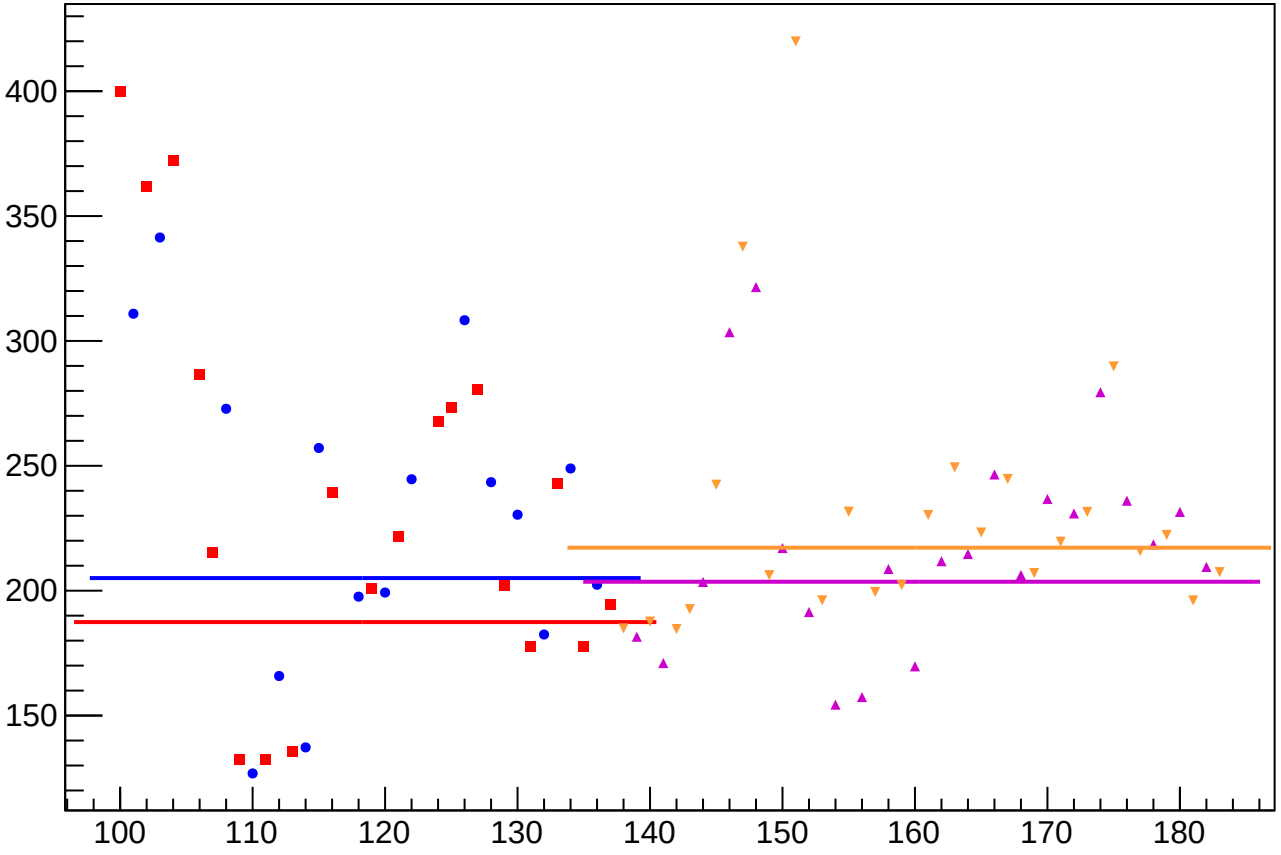
Left In: -426.623+/-49.550 χ^2/NDF:1209.4/21

+ sign 478.662+/-43.014 χ^2/NDF: 2509.2/39

All: 251.456+/-29.704 χ^2/NDF: 4562.5/80

- sign 44.329+/-41.069 χ^2/NDF: 2000.0/40

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 217.211+/-0.036 χ^2/NDF:981715.7/23

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

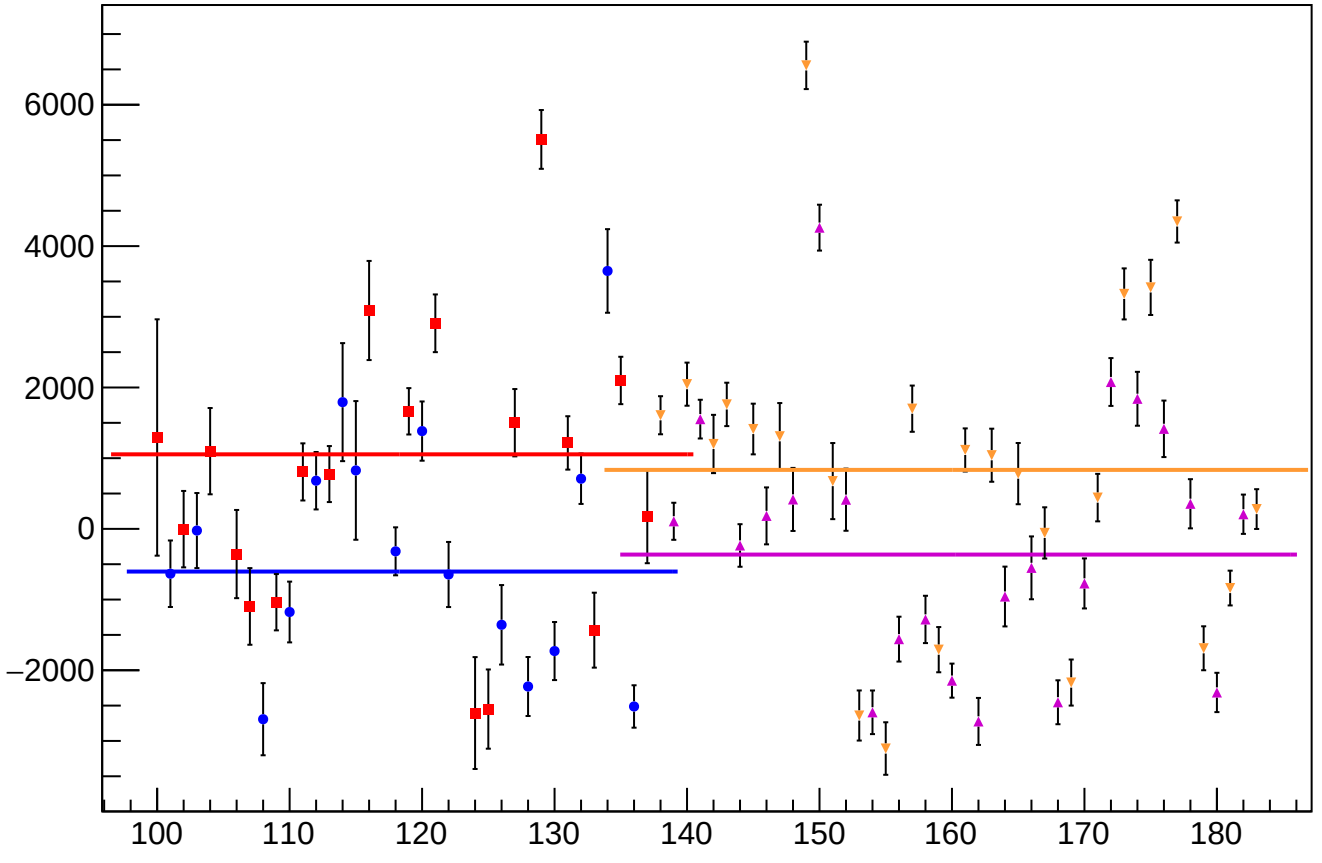
Left In: 203.579+/-0.035 χ^2/NDF:1165001.7/21

+ sign 213.728+/-0.030 χ^2/NDF: 1977429.2/39

All: 205.775+/-0.021 χ^2/NDF: 4750438.7/80

- sign 198.524+/-0.029 χ^2/NDF: 2642293.6/40

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 834.333+/-68.351 χ^2/NDF:1047.2/23

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

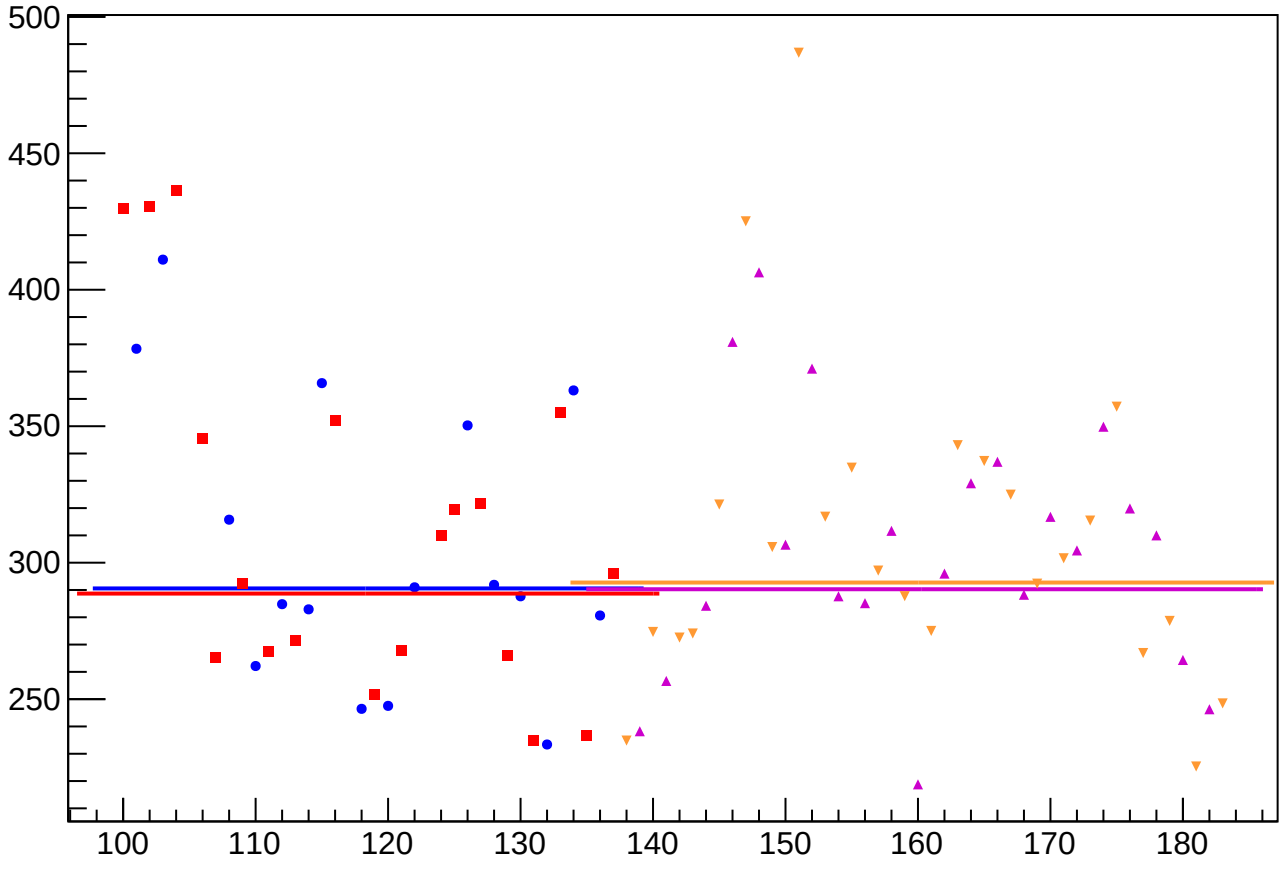
Left In: -363.609+/-69.772 χ^2/NDF:654.4/21

+ sign 437.340+/-58.157 χ^2/NDF: 1363.0/39

All: 246.565+/-41.296 χ^2/NDF: 2458.0/80

- sign 52.557+/-58.648 χ^2/NDF: 1073.3/40

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 292.726+/-0.048 χ^2/NDF:944021.2/23

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

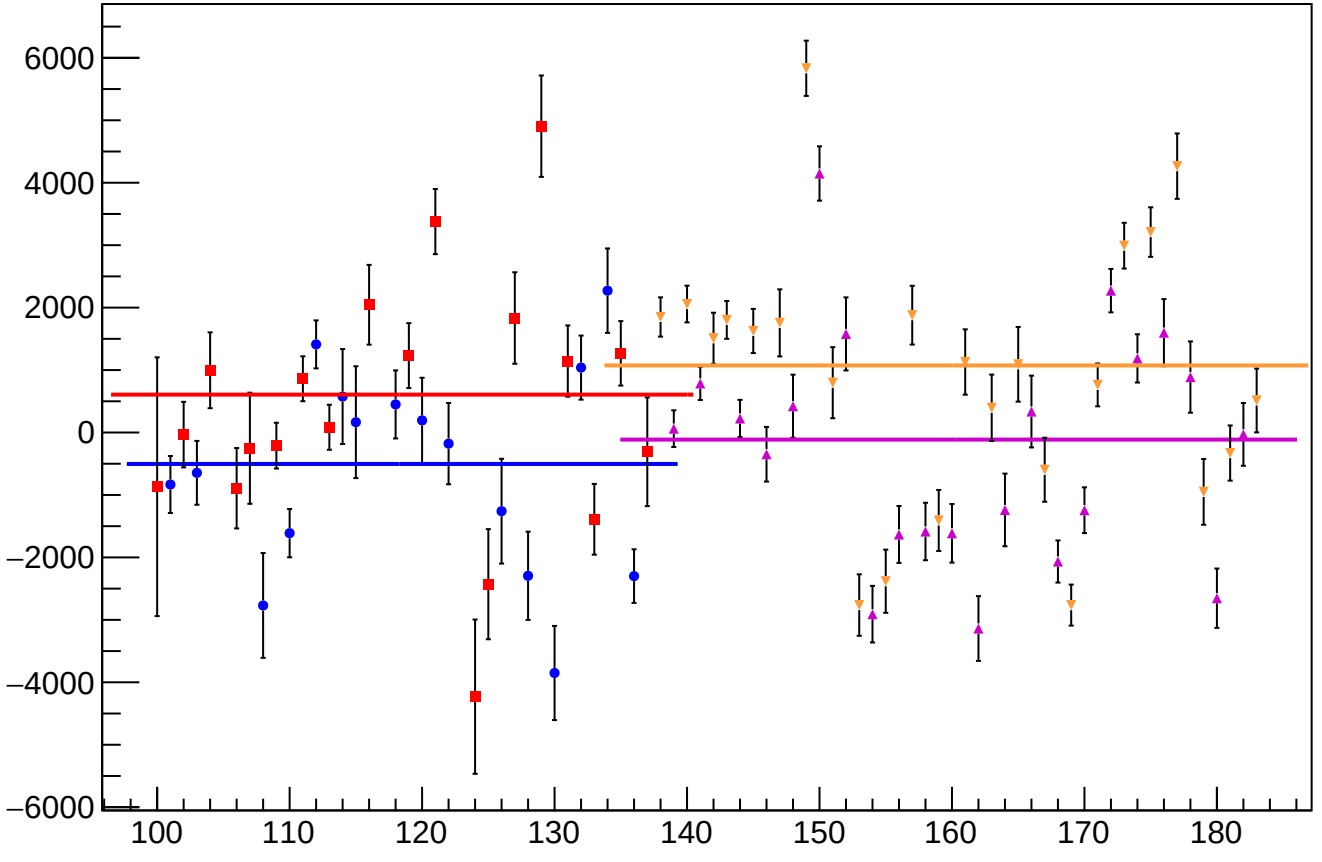
Left In: 290.273+/-0.049 χ^2/NDF:791997.1/21

+ sign 292.130+/-0.041 χ^2/NDF: 1304379.4/39

All: 290.978+/-0.029 χ^2/NDF: 2587356.1/80

- sign 289.808+/-0.041 χ^2/NDF: 1281395.7/40

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1074.047+/-85.585 χ^2/NDF:549.7/23

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

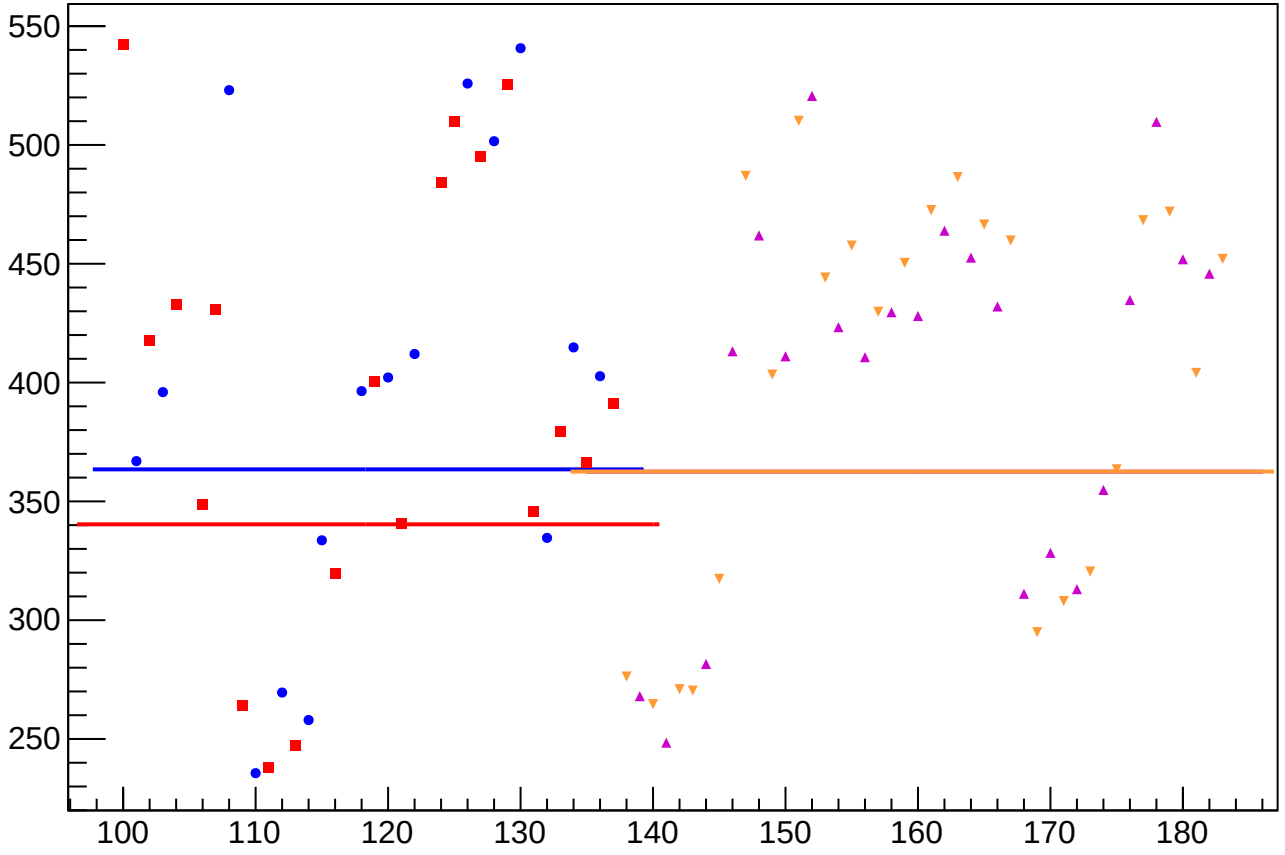
Left In: -113.401+/-87.970 χ^2/NDF:370.2/21

+ sign 645.092+/-73.030 χ^2/NDF: 760.3/39

All: 378.548+/-51.554 χ^2/NDF: 1303.4/80

- sign 113.768+/-72.788 χ^2/NDF: 516.5/40

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 362.540+/-0.061 χ^2/NDF:1918651.5/23

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

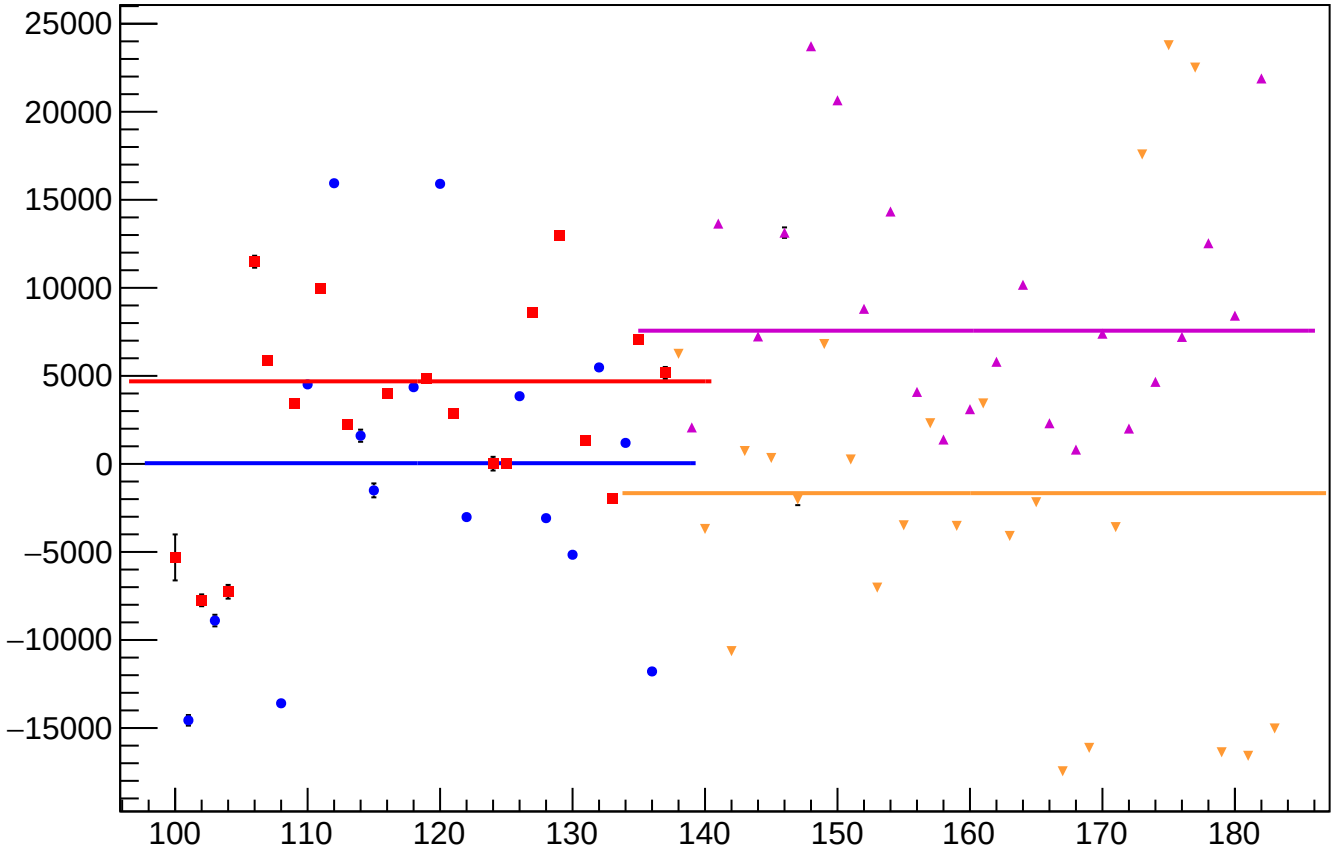
Left In: 362.490+/-0.062 χ^2/NDF:1693609.6/21

+ sign 362.793+/-0.052 χ^2/NDF: 2699609.0/39

All: 359.135+/-0.036 χ^2/NDF: 5299468.6/80

- sign 355.502+/-0.051 χ^2/NDF: 2589858.5/40

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1660.514+/-41.071 χ^2/NDF:64469.5/23

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

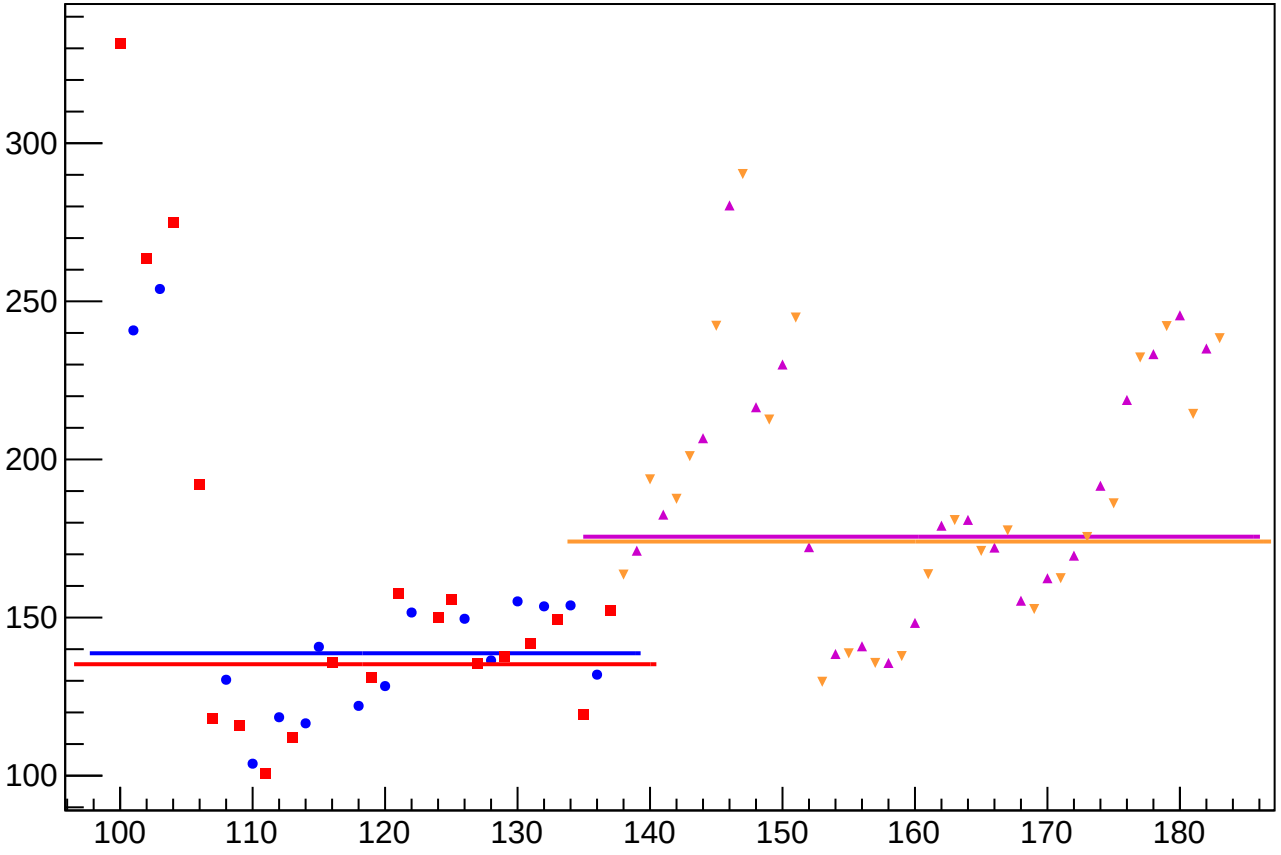
Left In: 7566.520+/-42.770 χ^2/NDF:21192.8/21

+ sign -1039.880+/-32.734 χ^2/NDF: 95881.8/39

All: 2647.682+/-23.260 χ^2/NDF: 152324.1/80

- sign 6408.206+/-33.056 χ^2/NDF: 30810.2/40

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 174.042+/-0.029 χ^2/NDF:1624811.1/23

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

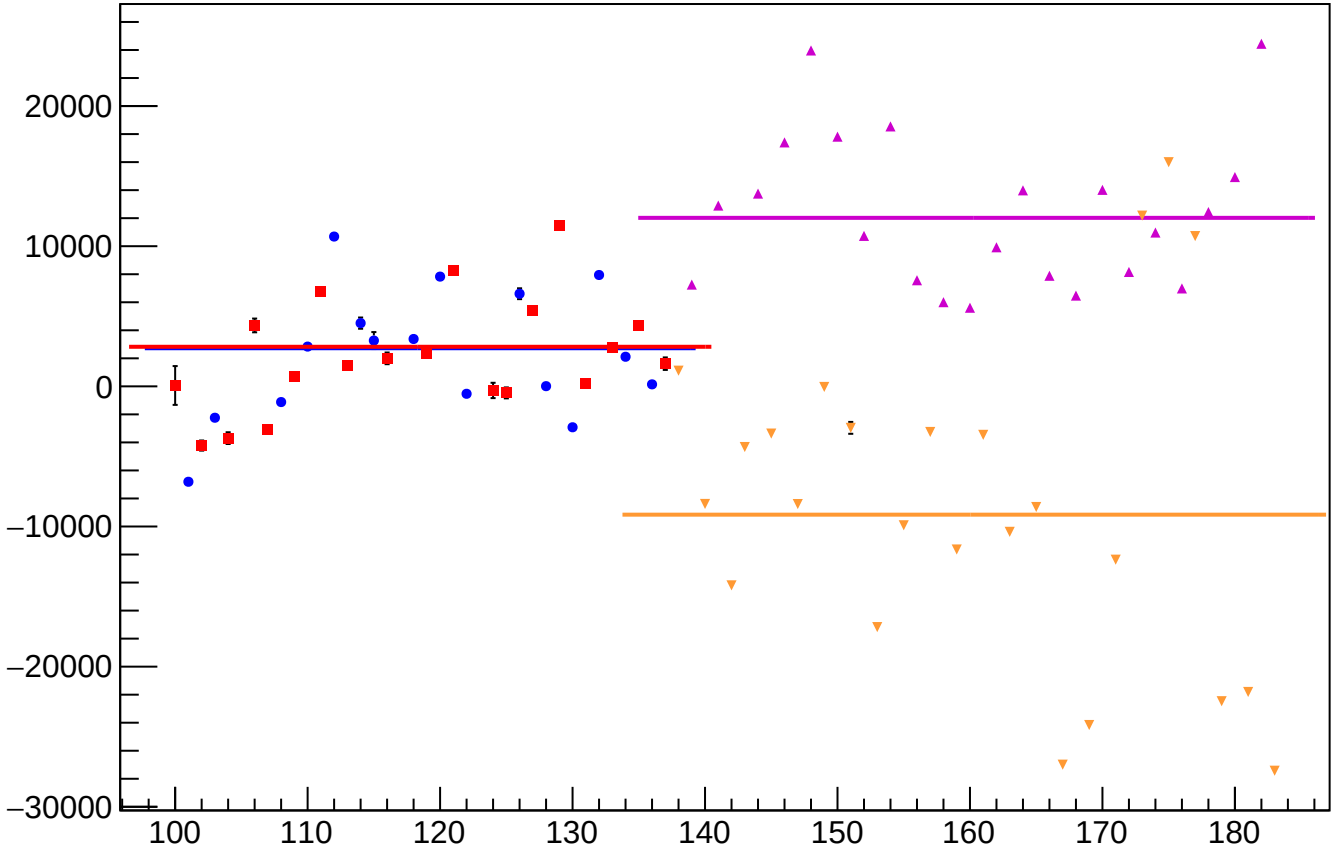
Left In: 175.572+/-0.030 χ^2/NDF:1327064.6/21

+ sign 161.155+/-0.023 χ^2/NDF: 2822458.3/39

All: 160.254+/-0.016 χ^2/NDF: 5758542.1/80

- sign 159.335+/-0.023 χ^2/NDF: 2933024.1/40

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9155.456+/-46.032 χ^2/NDF:62435.6/23

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

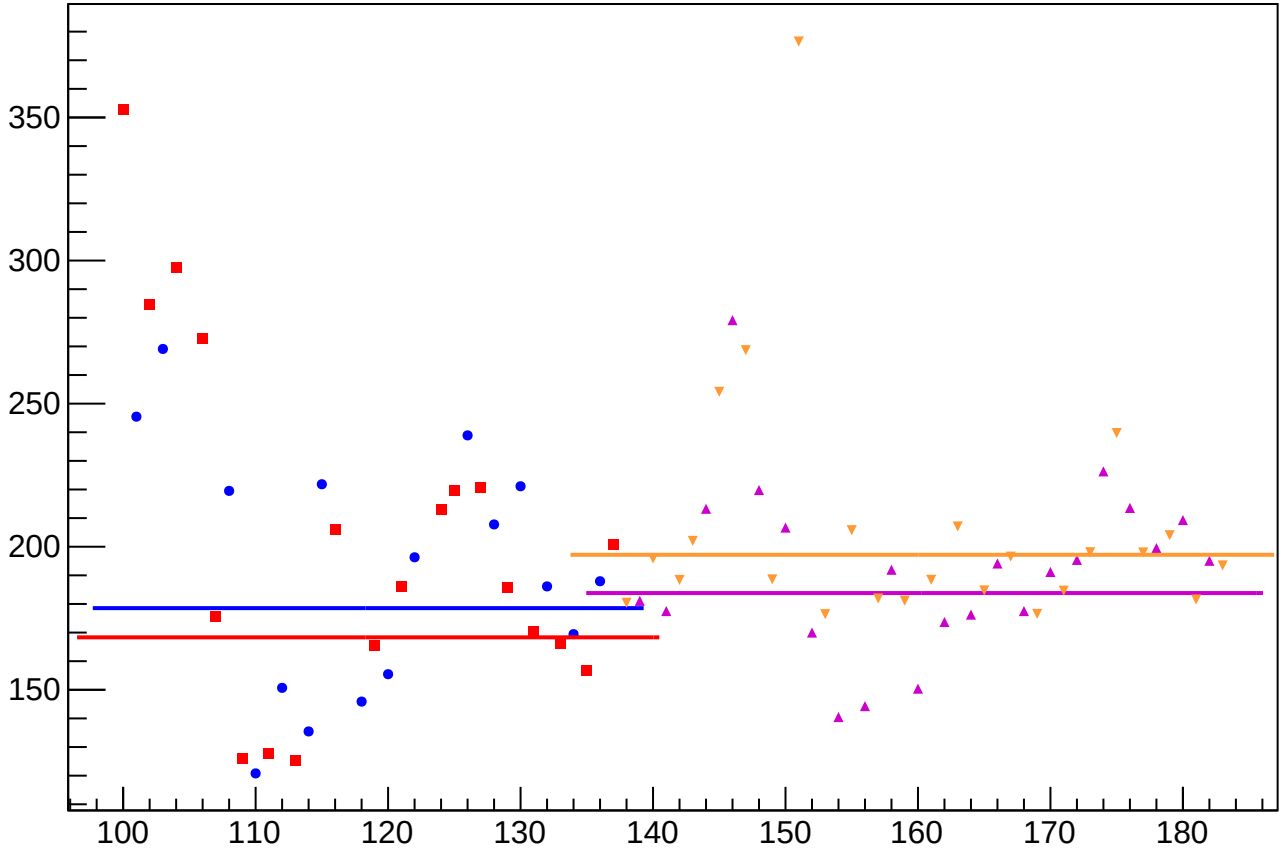
Left In: 12023.661+/-44.525 χ^2/NDF:14436.0/21

+ sign -5515.985+/-38.335 χ^2/NDF: 86961.3/39

All: 2096.739+/-26.512 χ^2/NDF: 193729.0/80

- sign 9076.239+/-36.706 χ^2/NDF: 31176.8/40

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.182+/-0.033 χ^2/NDF:732294.5/23

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

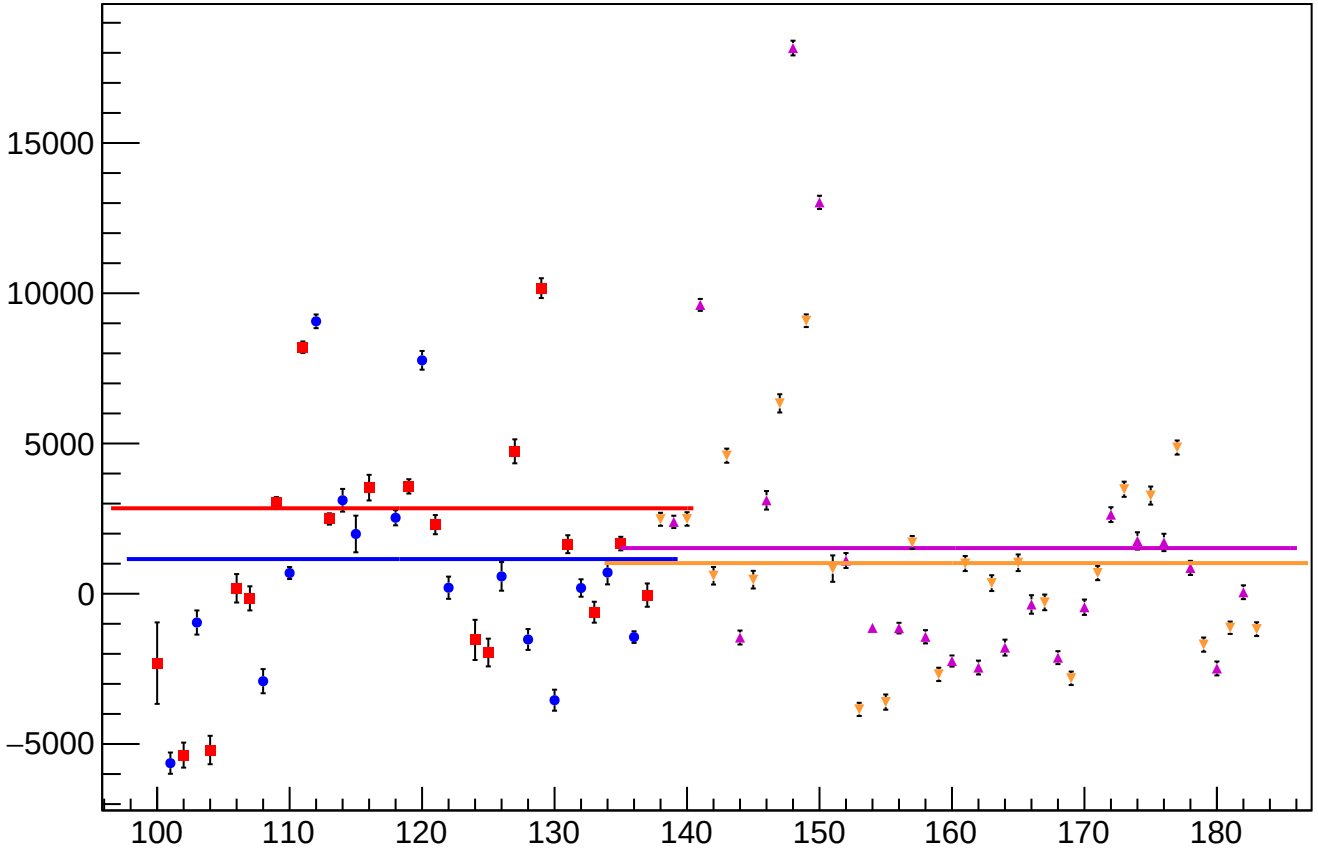
Left In: 183.812+/-0.031 χ^2/NDF:827724.8/21

+ sign 191.469+/-0.027 χ^2/NDF: 1507380.2/39

All: 184.888+/-0.019 χ^2/NDF: 3505016.8/80

- sign 178.854+/-0.026 χ^2/NDF: 1884634.8/40

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1019.915+/-49.997 χ^2/NDF:4278.7/23

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

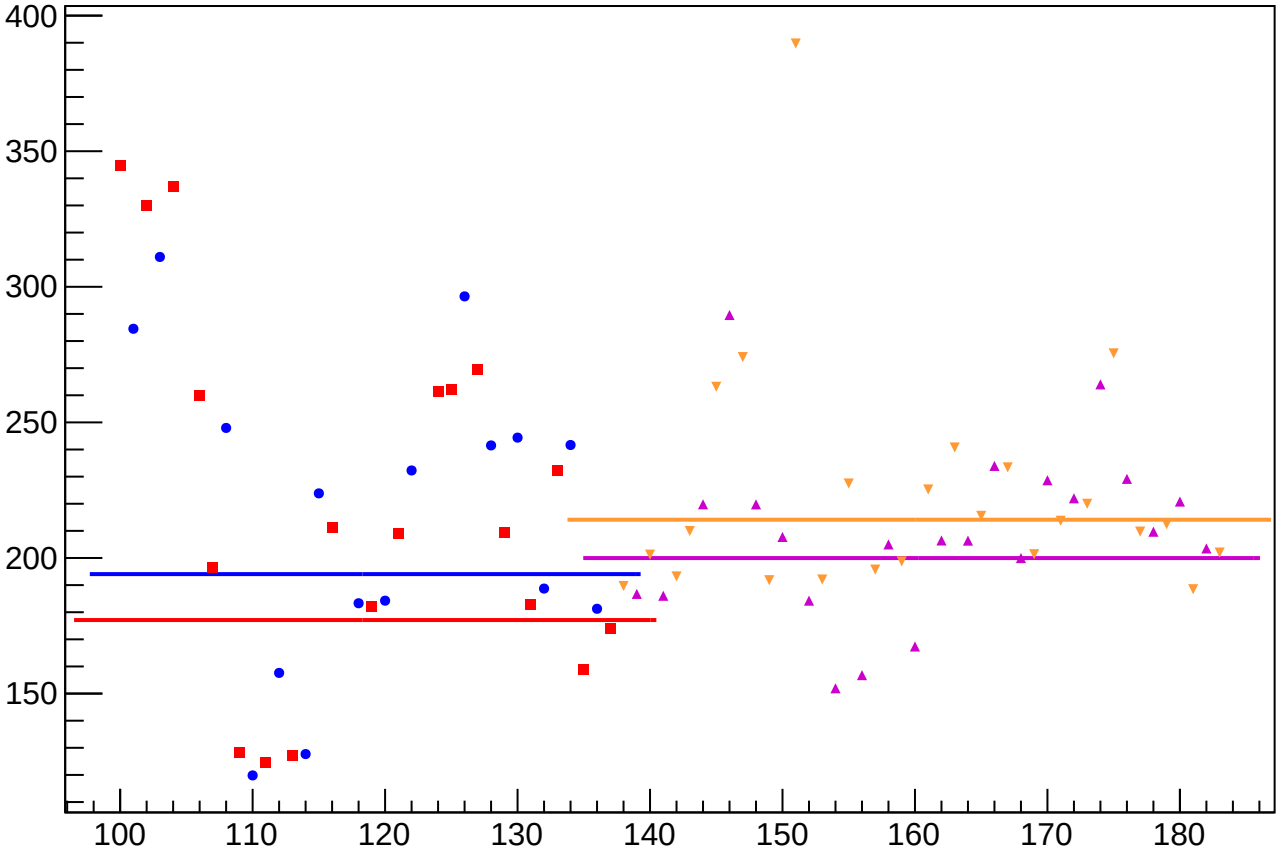
Left In: 1519.214+/-48.440 χ^2/NDF:11475.3/21

\+ sign 1060.395+/-41.762 χ^2/NDF: 6936.2/39

All: 1530.835+/-28.763 χ^2/NDF: 21352.3/80

\- sign 1955.365+/-39.672 χ^2/NDF: 14174.7/40

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.118+/-0.035 χ^2/NDF:731853.0/23

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

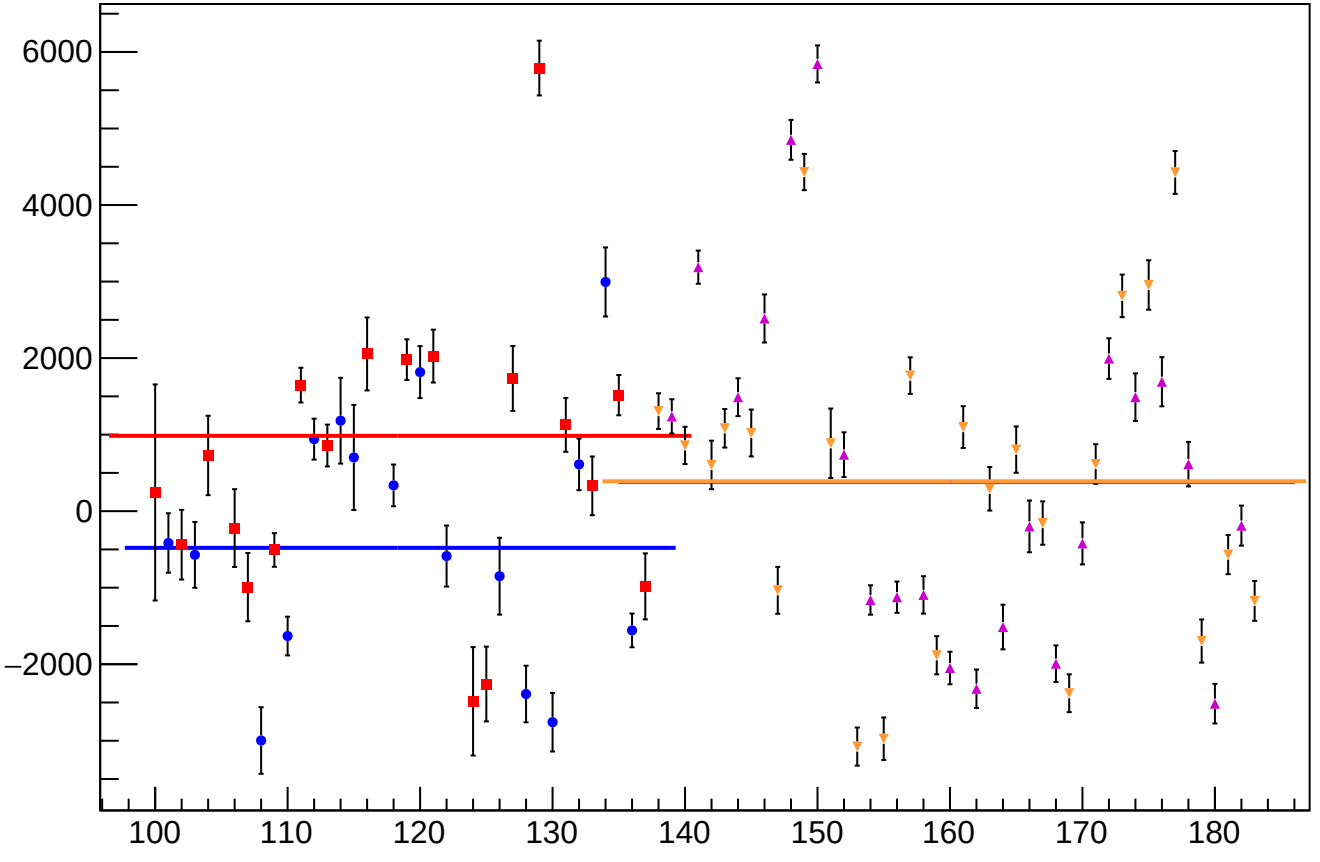
Left In: 199.969+/-0.034 χ^2/NDF:785323.7/21

+ sign 208.052+/-0.030 χ^2/NDF: 1795009.9/39

All: 199.848+/-0.020 χ^2/NDF: 4233094.7/80

- sign 192.444+/-0.028 χ^2/NDF: 2291247.7/40

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 390.545+/-55.371 χ^2/NDF:1394.6/23

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

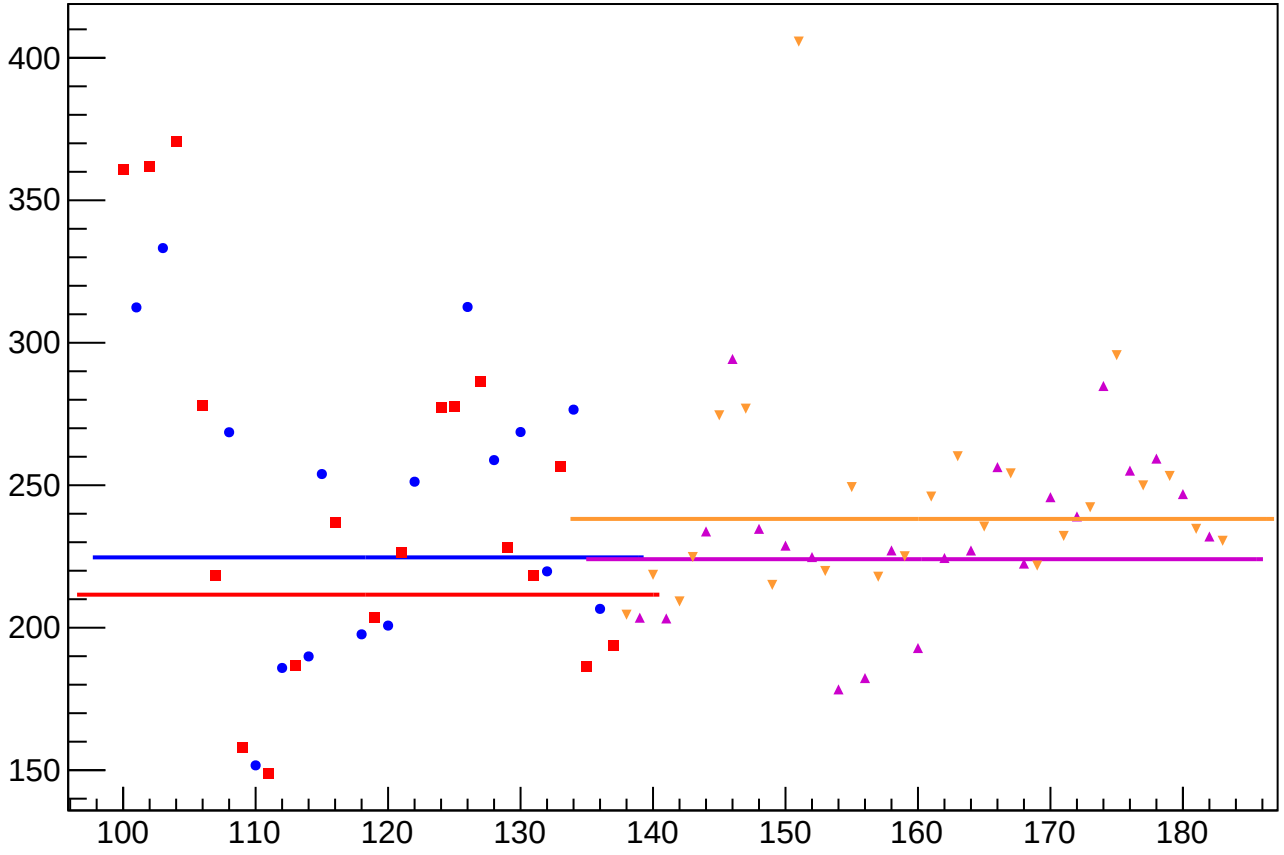
Left In: 380.039+/-53.935 χ^2/NDF:1803.1/21

+ sign 138.482+/-46.663 χ^2/NDF: 1771.6/39

All: 360.491+/-32.349 χ^2/NDF: 4055.0/80

- sign 565.893+/-44.884 χ^2/NDF: 2239.8/40

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.181+/-0.039 χ^2/NDF:567919.4/23

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

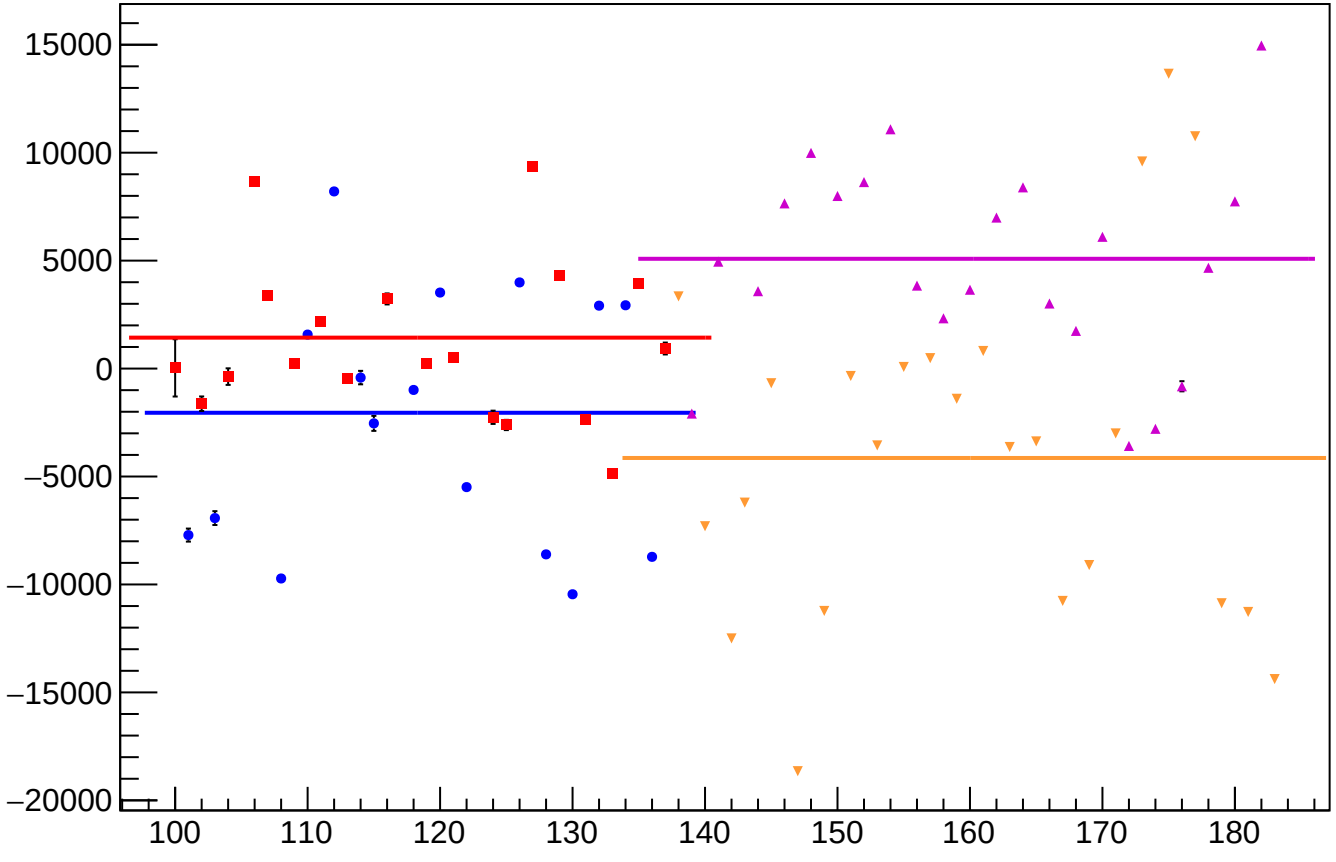
Left In: 224.048+/-0.038 χ^2/NDF:562000.6/21

+ sign 234.269+/-0.033 χ^2/NDF: 1255555.2/39

All: 226.971+/-0.023 χ^2/NDF: 2877425.1/80

- sign 220.219+/-0.032 χ^2/NDF: 1527684.5/40

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4141.075+/-30.925 χ^2/NDF:55989.2/23

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

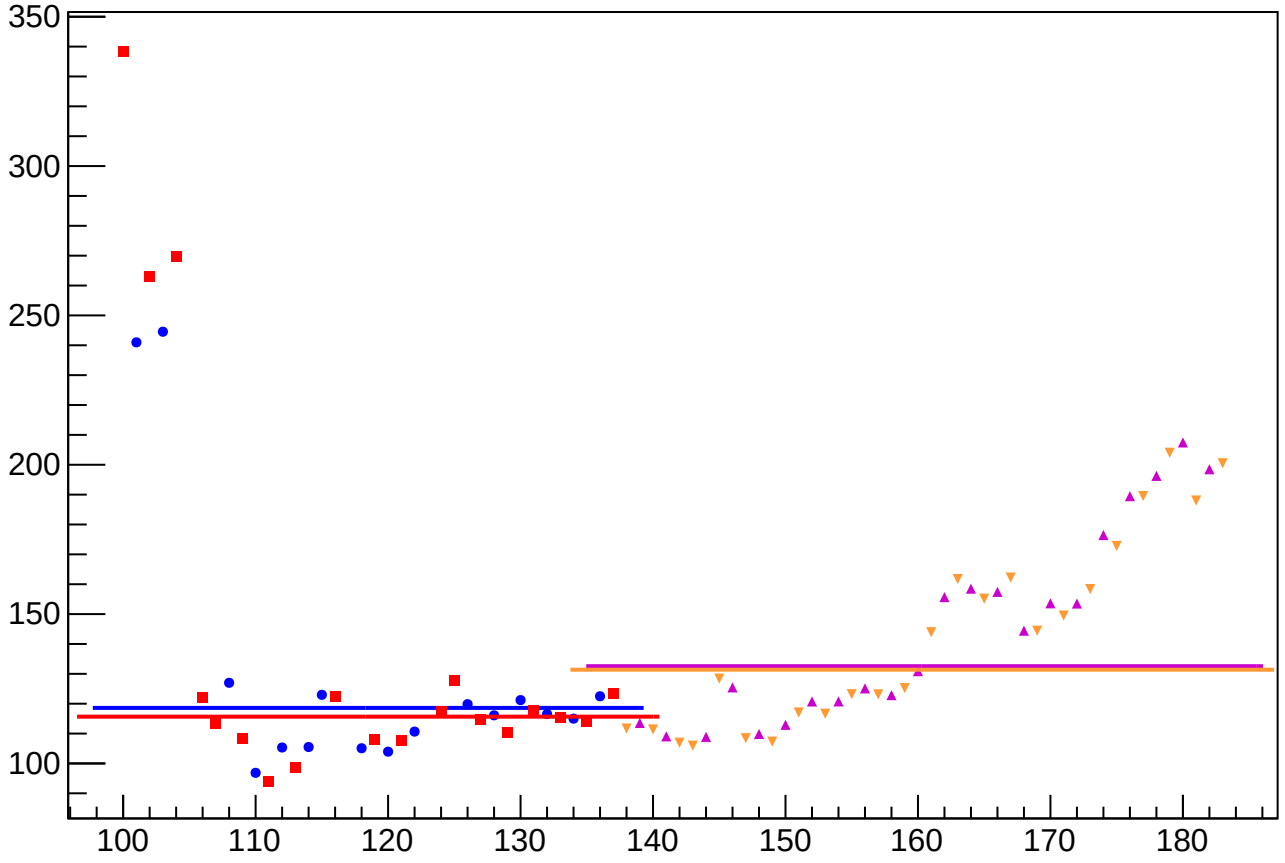
Left In: 5085.008+/-32.087 χ^2/NDF:17393.0/21

+ sign -3503.229+/-25.788 χ^2/NDF: 74094.9/39

All: 130.079+/-18.334 χ^2/NDF: 142420.7/80

- sign 3844.131+/-26.072 χ^2/NDF: 28182.3/40

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 131.379+/-0.022 χ^2/NDF:1485245.7/23

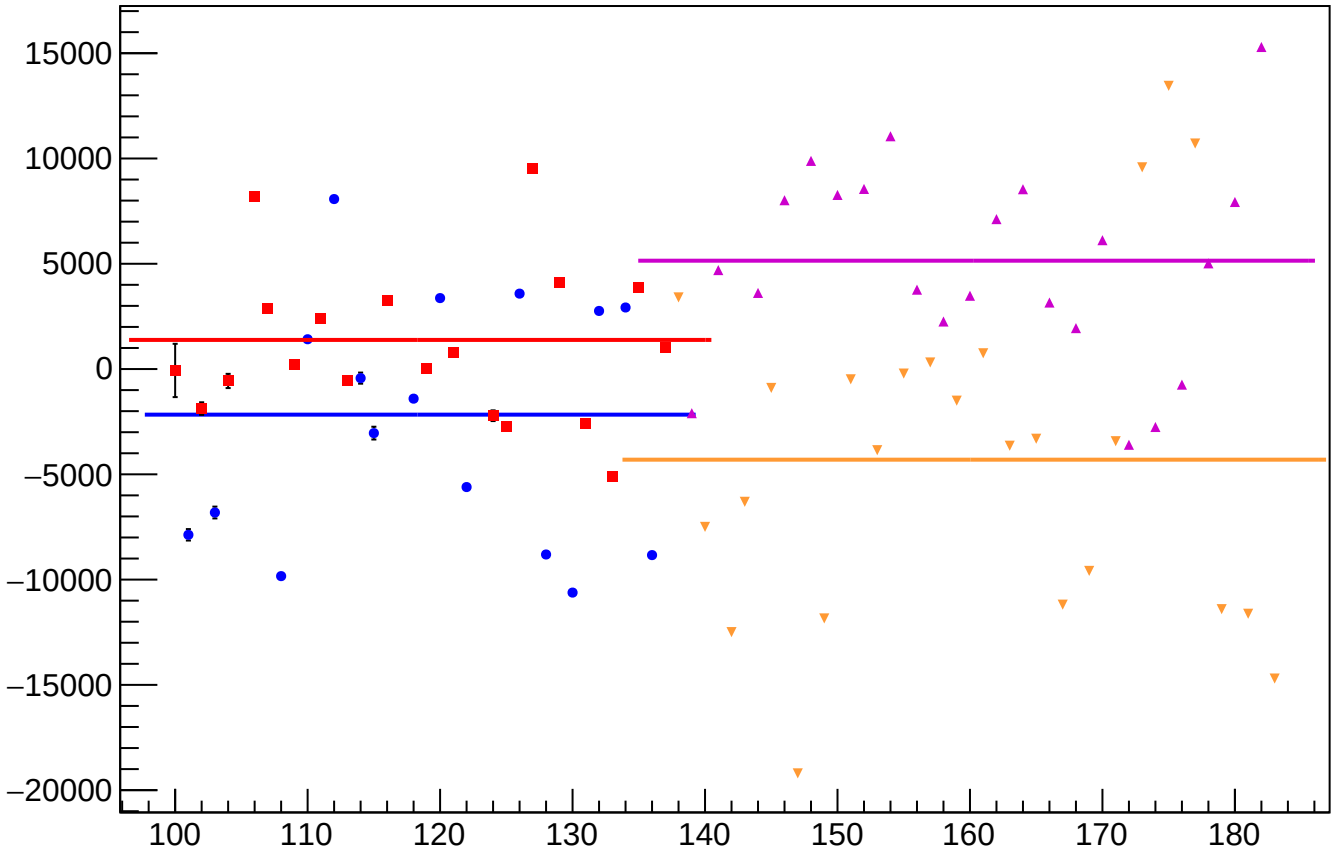
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 132.559+/-0.023 χ^2/NDF:1351638.3/21

+ sign 127.484+/-0.018 χ^2/NDF: 2323503.5/39

All: 127.155+/-0.013 χ^2/NDF: 4728506.7/80

- sign 126.817+/-0.018 χ^2/NDF: 2404341.2/40



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4304.260+/-28.040 χ^2/NDF:66225.5/23

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

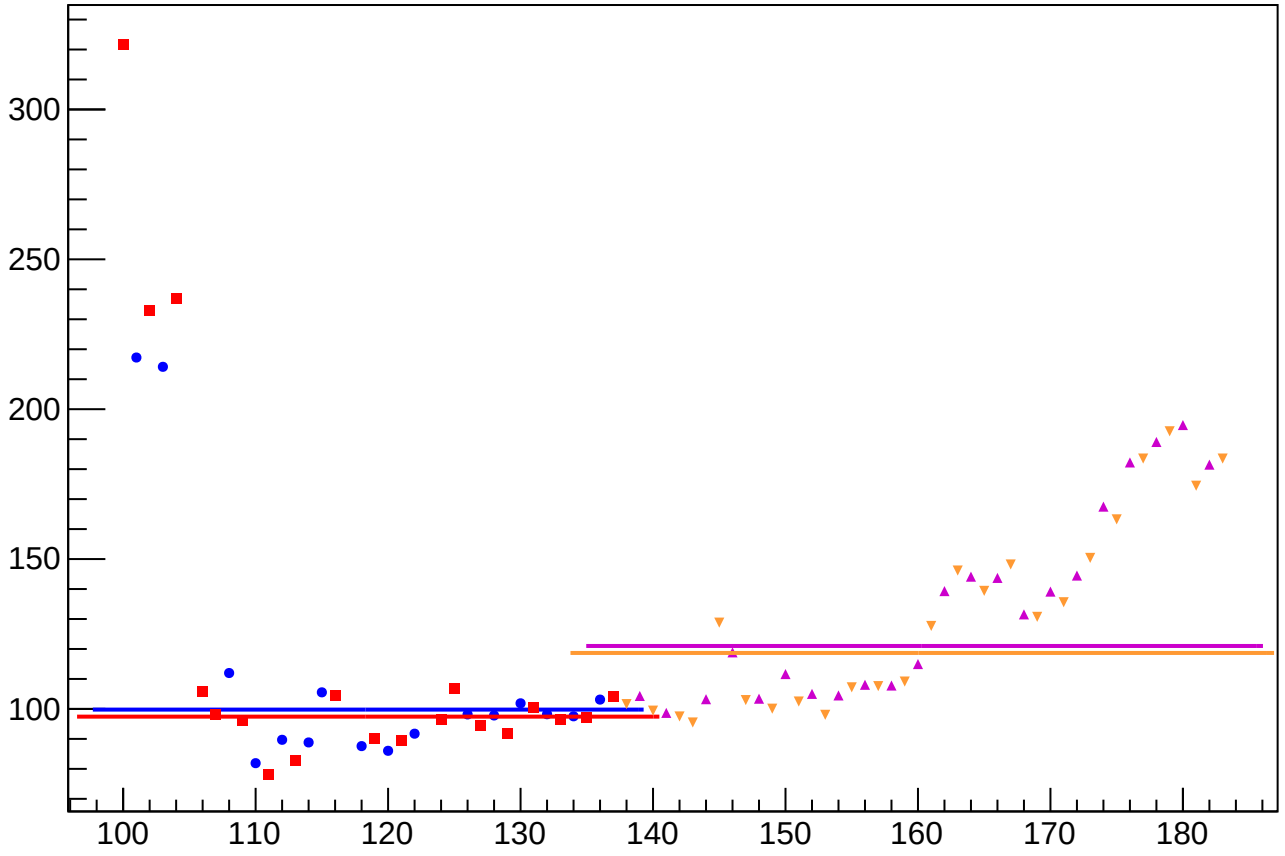
Left In: 5145.799+/-29.358 χ^2/NDF:20854.9/21

+ sign -3590.936+/-22.890 χ^2/NDF: 91040.4/39

All: 20.171+/-16.303 χ^2/NDF: 177702.1/80

- sign 3738.267+/-23.227 χ^2/NDF: 36148.3/40

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 118.675+/-0.020 χ^2/NDF:1691417.8/23

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

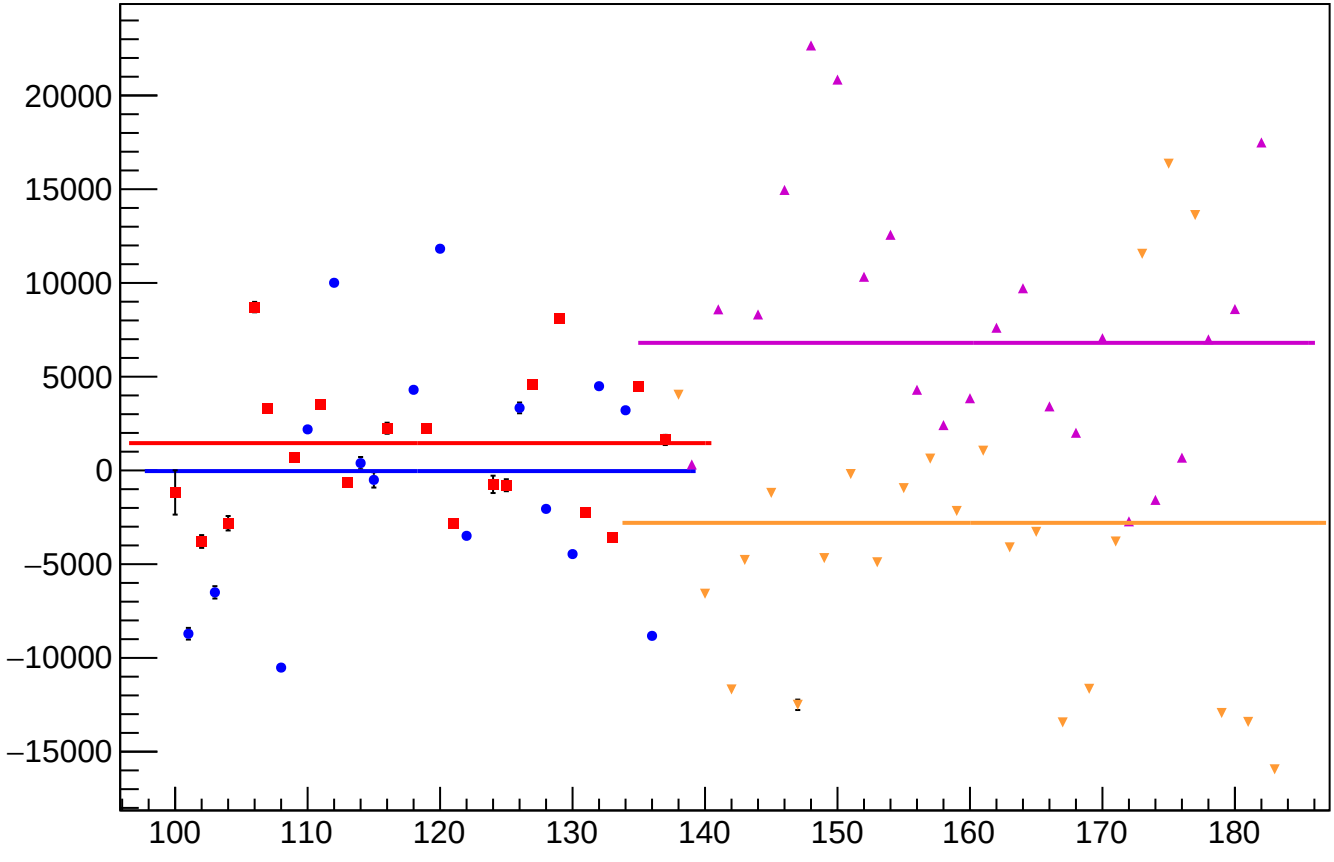
Left In: 121.004+/-0.021 χ^2/NDF:1460160.2/21

+ sign 112.370+/-0.016 χ^2/NDF: 2803717.2/39

All: 112.279+/-0.012 χ^2/NDF: 5672474.7/80

- sign 112.184+/-0.016 χ^2/NDF: 2868692.3/40

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2795.648+/-38.352 χ^2/NDF:36783.0/23

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

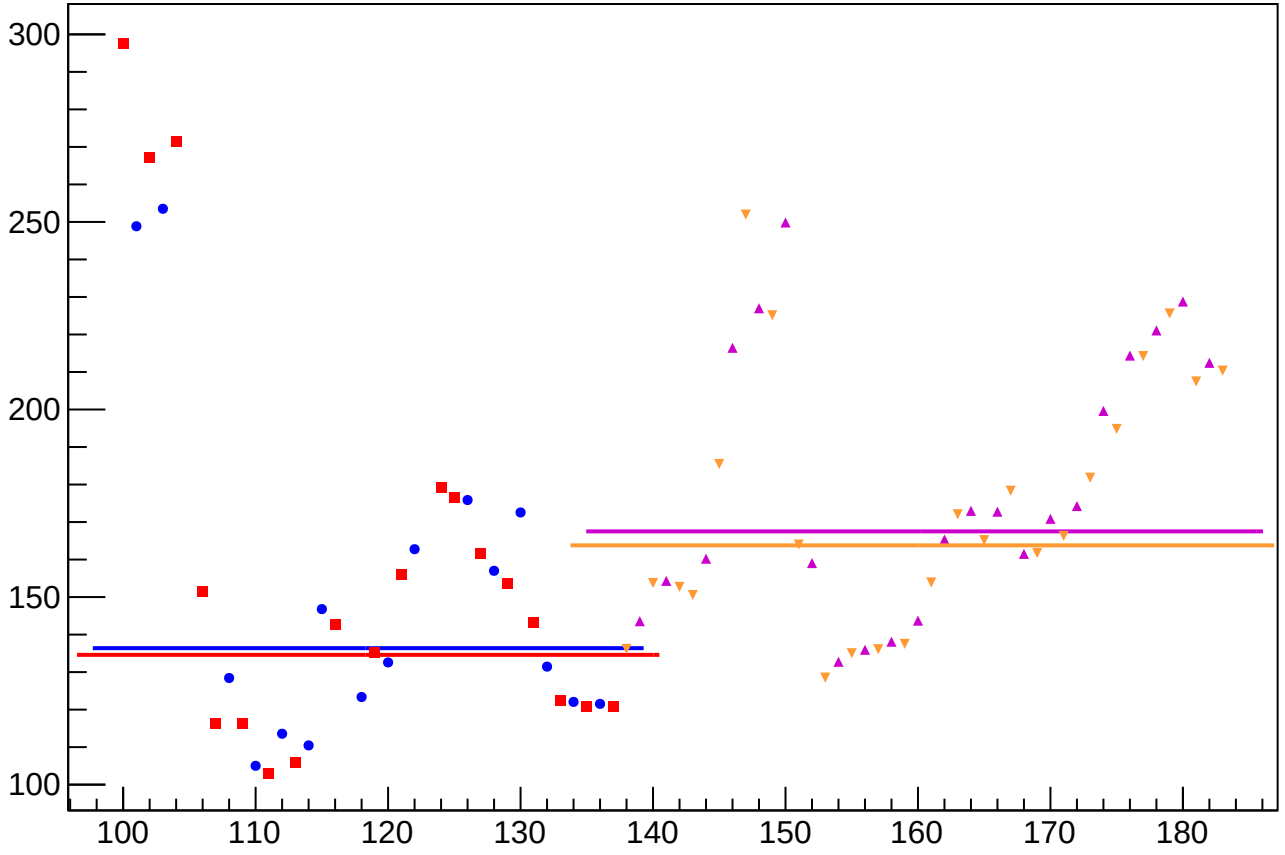
Left In: 6804.987+/-40.458 χ^2/NDF:20994.7/21

\+ sign -1857.634+/-31.163 χ^2/NDF: 55346.6/39

All: 1384.459+/-22.298 χ^2/NDF: 109234.3/80

\- sign 4785.639+/-31.919 χ^2/NDF: 31710.0/40

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 163.785+/-0.027 χ^2/NDF:1201005.2/23

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

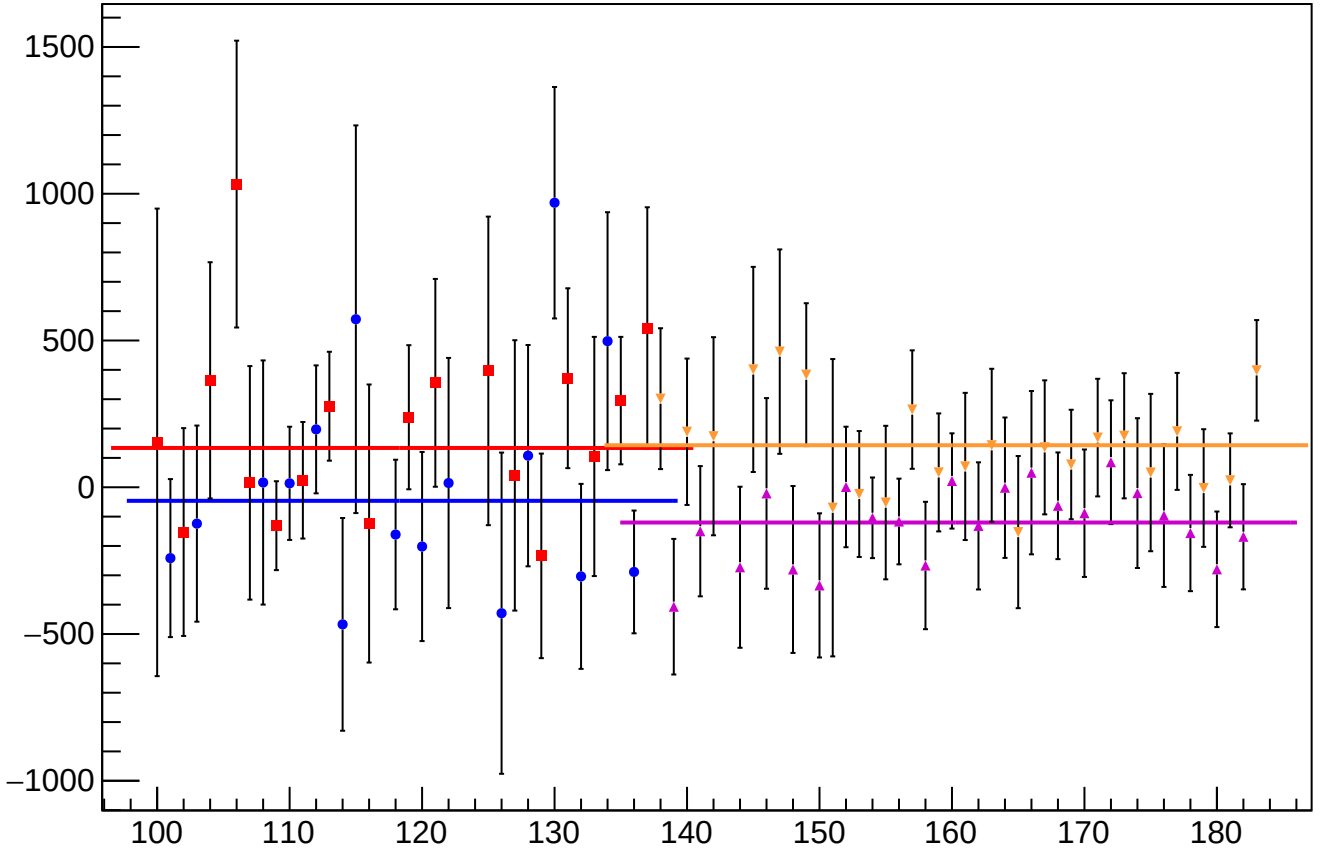
Left In: 167.512+/-0.029 χ^2/NDF:1197737.6/21

+ sign 154.476+/-0.022 χ^2/NDF: 2344732.0/39

All: 154.773+/-0.016 χ^2/NDF: 4962214.5/80

- sign 155.085+/-0.023 χ^2/NDF: 2617109.8/40

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 143.224+/-47.534 χ^2/NDF:9.8/22

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

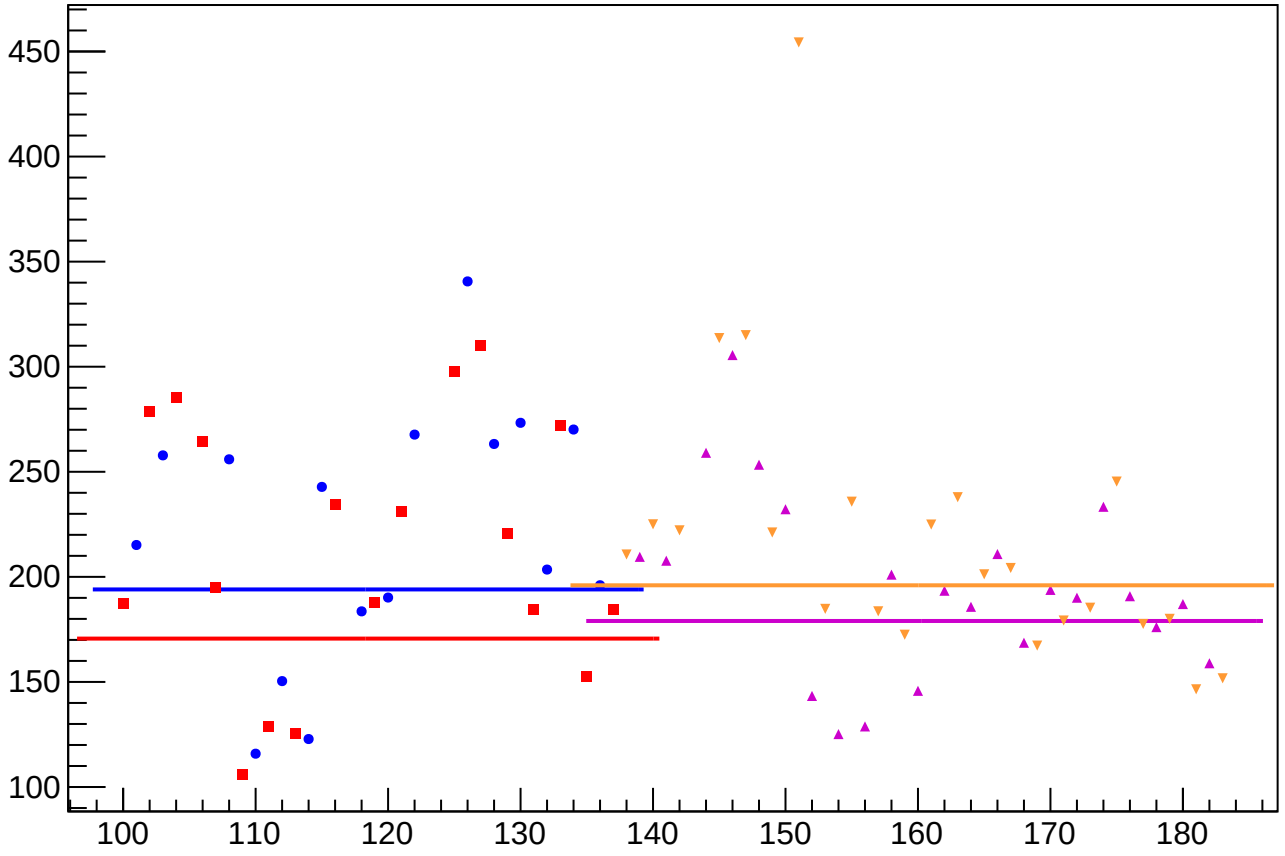
Left In: -120.131+/-44.106 χ^2/NDF:7.2/21

+ sign 90.245+/-40.342 χ^2/NDF: 29.7/38

All: 16.622+/-27.296 χ^2/NDF: 65.6/78

- sign -45.542+/-37.070 χ^2/NDF: 29.8/39

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 195.985+/-0.034 χ^2/NDF:1705610.6/22

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

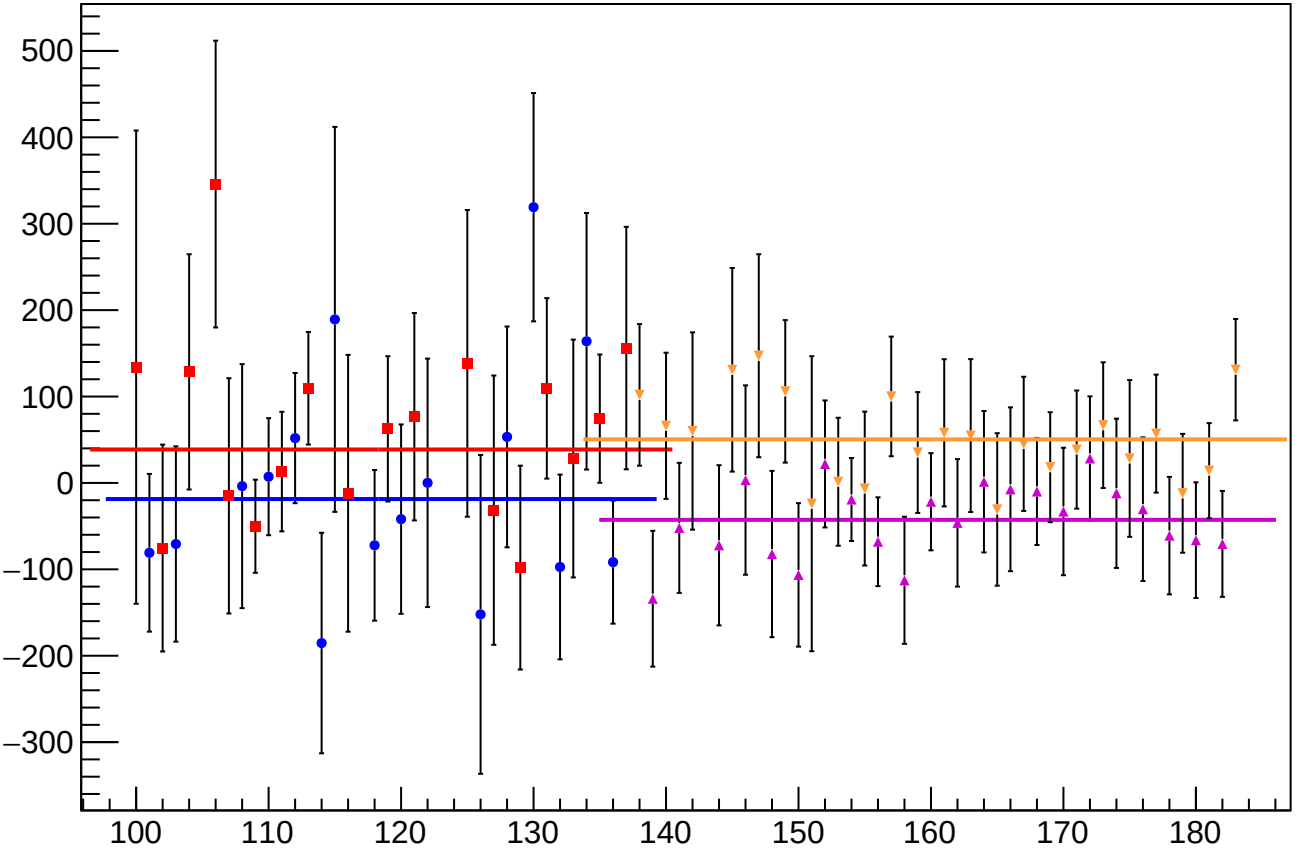
Left In: 179.007+/-0.031 χ^2/NDF:1663436.2/21

+ sign 195.435+/-0.029 χ^2/NDF: 2750158.6/38

All: 185.193+/-0.019 χ^2/NDF: 6266282.7/78

- sign 176.545+/-0.026 χ^2/NDF: 3278384.2/39

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 50.456+/-16.243 χ^2/NDF:8.0/22

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

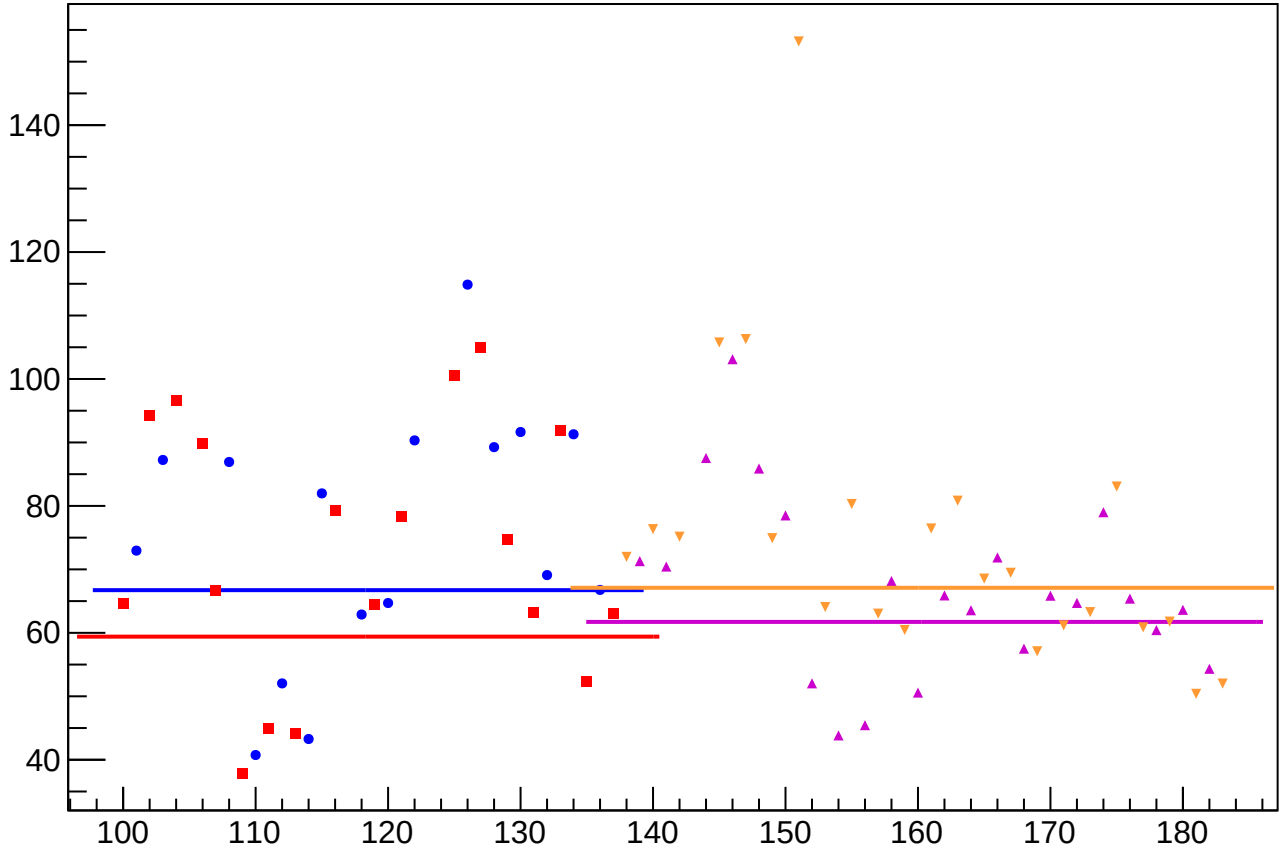
Left In: -42.705+/-15.151 χ^2/NDF:7.0/21

+ sign 31.189+/-13.794 χ^2/NDF: 28.3/38

All: 4.132+/-9.366 χ^2/NDF: 63.4/78

- sign -19.014+/-12.758 χ^2/NDF: 28.0/39

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 67.099+/-0.011 χ^2/NDF:1629234.4/22

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

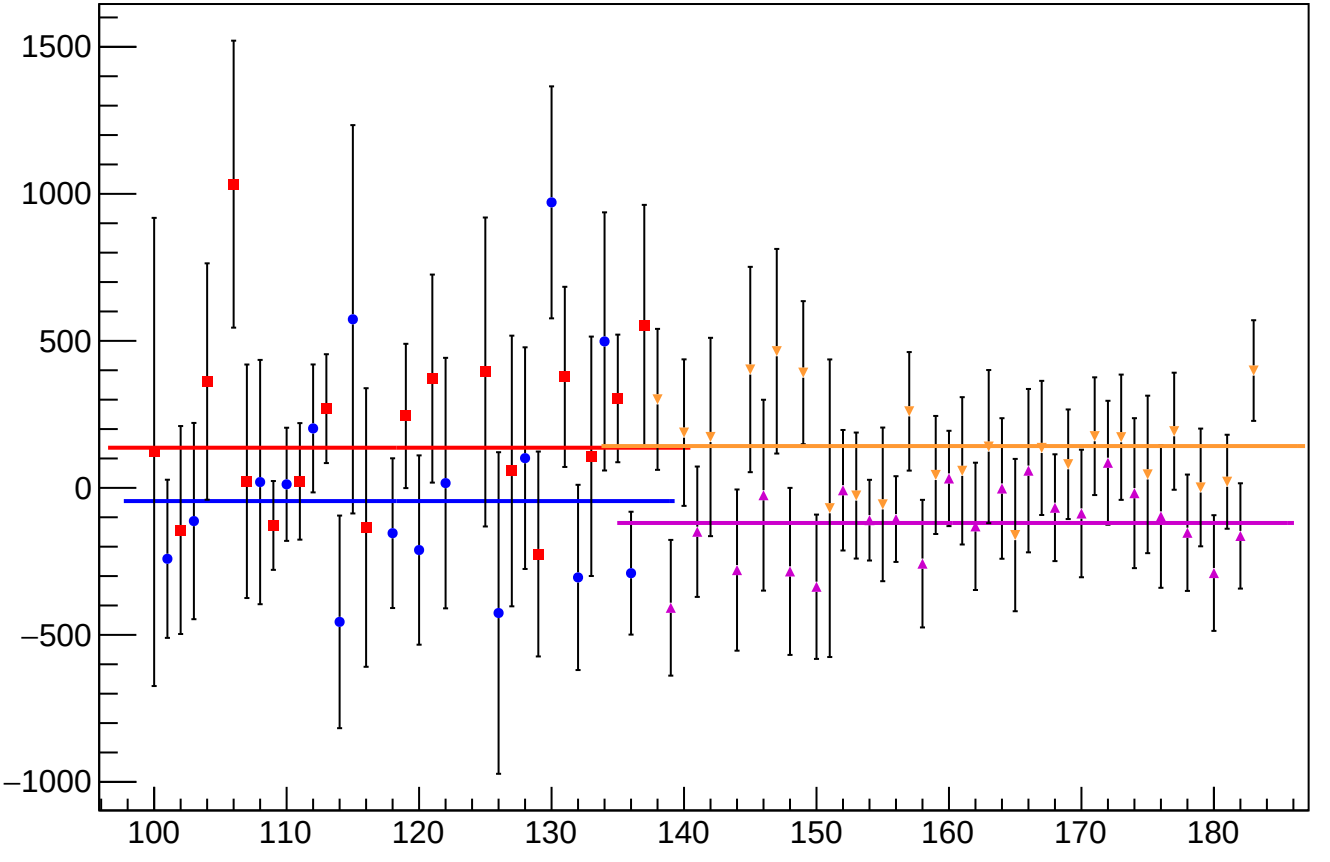
Left In: 61.722+/-0.011 χ^2/NDF:1475574.4/21

+ sign 66.994+/-0.010 χ^2/NDF: 2576571.1/38

All: 63.789+/-0.007 χ^2/NDF: 5711593.1/78

- sign 61.047+/-0.009 χ^2/NDF: 2934607.4/39

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 142.220+/-47.493 χ^2/NDF:10.1/22

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

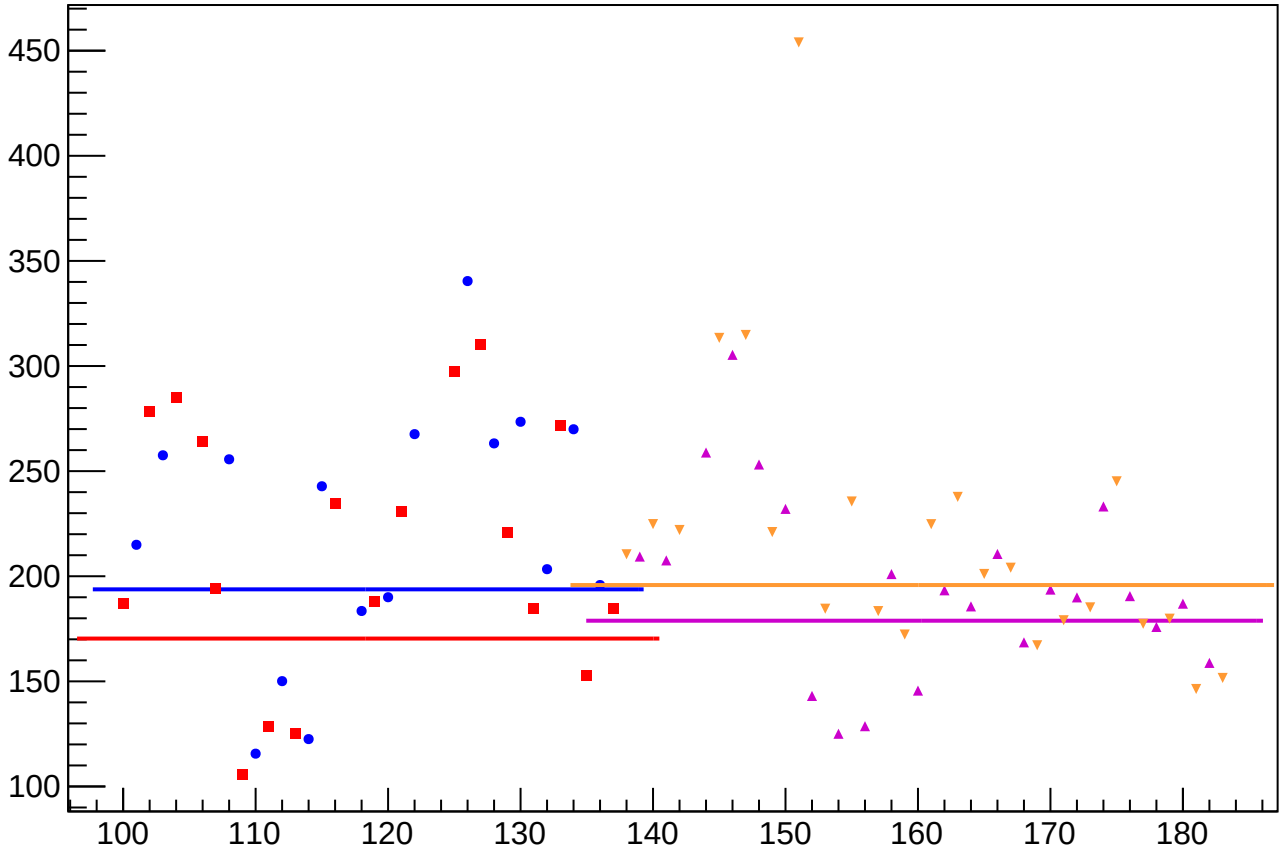
Left In: -119.365+/-44.069 χ^2/NDF:7.4/21

+ sign 89.862+/-40.305 χ^2/NDF: 29.9/38

All: 17.188+/-27.270 χ^2/NDF: 66.0/78

- sign -44.167+/-37.033 χ^2/NDF: 30.2/39

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 195.815+/-0.034 χ^2/NDF:1706293.4/22

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

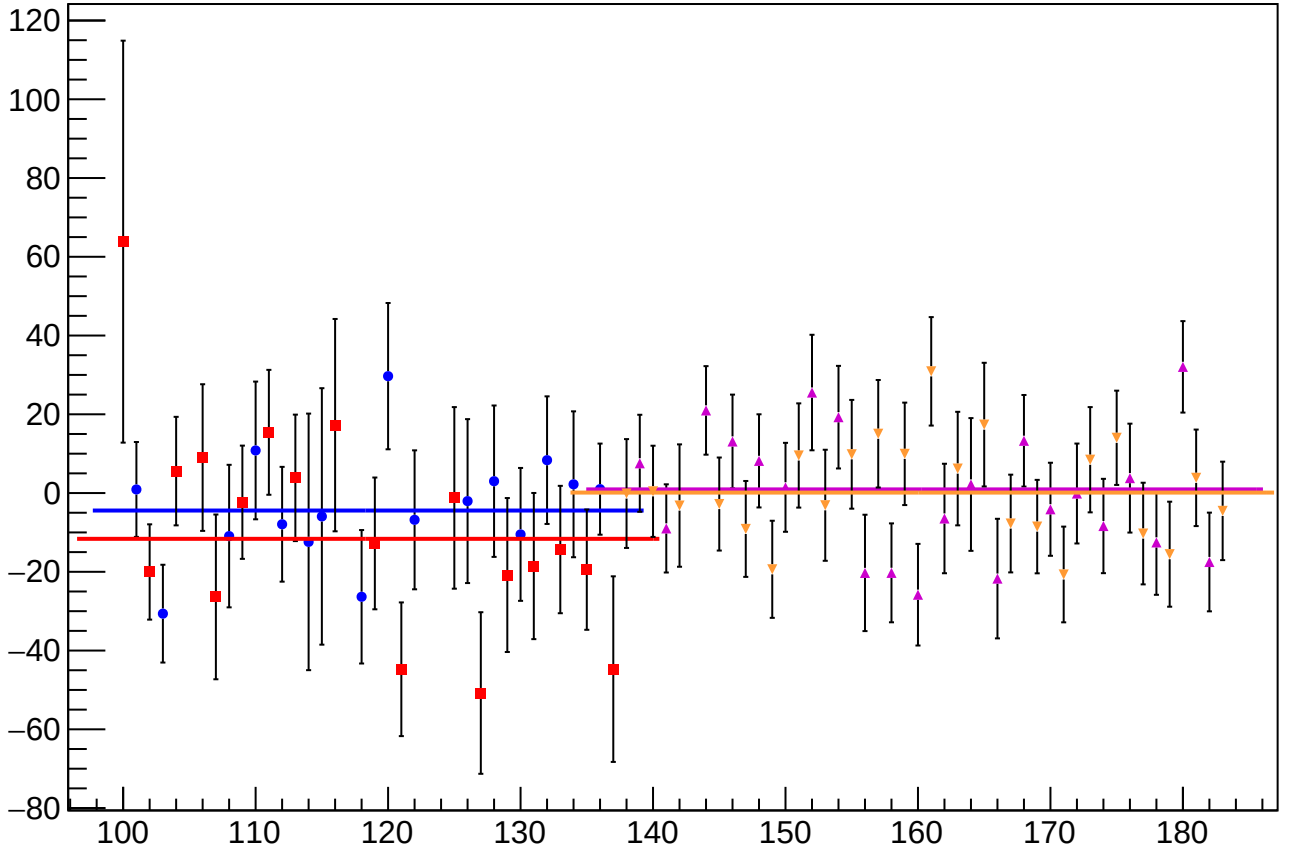
Left In: 178.848+/-0.031 χ^2/NDF:1665544.3/21

+ sign 195.242+/-0.028 χ^2/NDF: 2755427.8/38

All: 185.000+/-0.019 χ^2/NDF: 6279978.4/78

- sign 176.353+/-0.026 χ^2/NDF: 3286380.0/39

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.120+/-2.708 χ^2/NDF:20.2/22

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

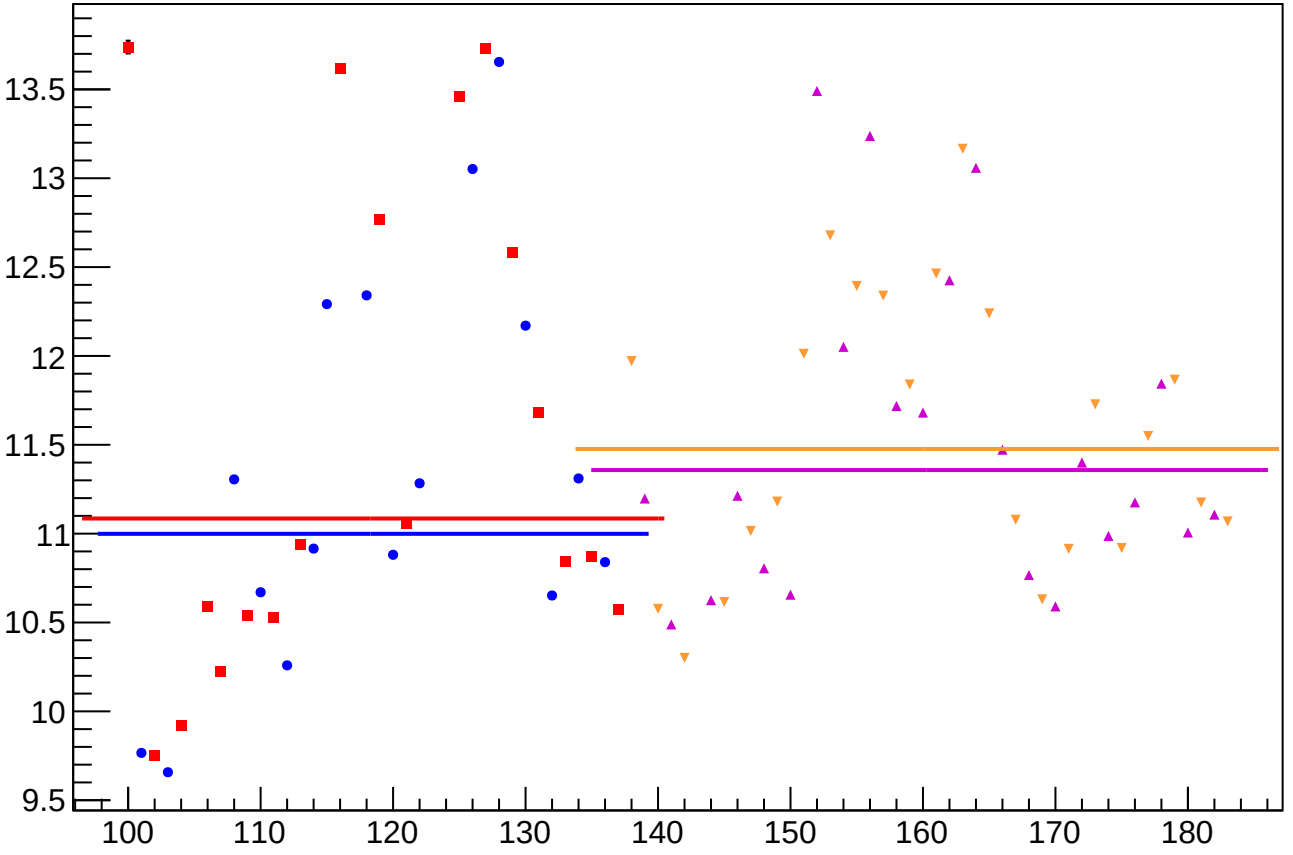
Left In: 0.927+/-2.698 χ^2/NDF:34.5/21

+ sign -1.251+/-2.265 χ^2/NDF: 33.1/38

All: -2.037+/-1.600 χ^2/NDF: 95.9/78

- sign -2.819+/-2.260 χ^2/NDF: 62.6/39

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.477+/-0.002 χ^2/NDF:146025.3/22

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

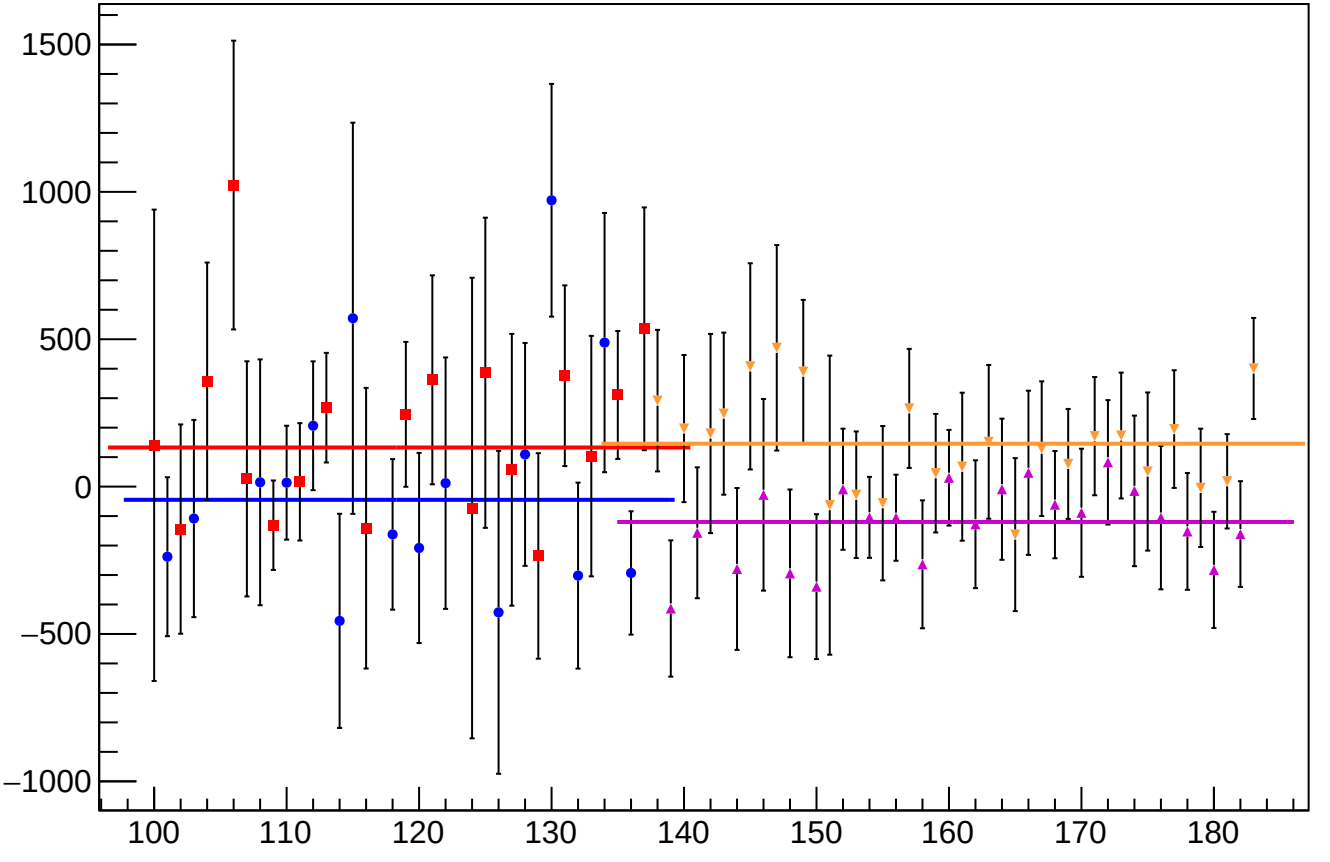
Left In: 11.358+/-0.002 χ^2/NDF:169952.3/21

+ sign 11.333+/-0.002 χ^2/NDF: 300884.9/38

All: 11.305+/-0.001 χ^2/NDF: 639761.4/78

- sign 11.277+/-0.002 χ^2/NDF: 338253.1/39

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.653+/-46.886 χ^2/NDF:10.3/23

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

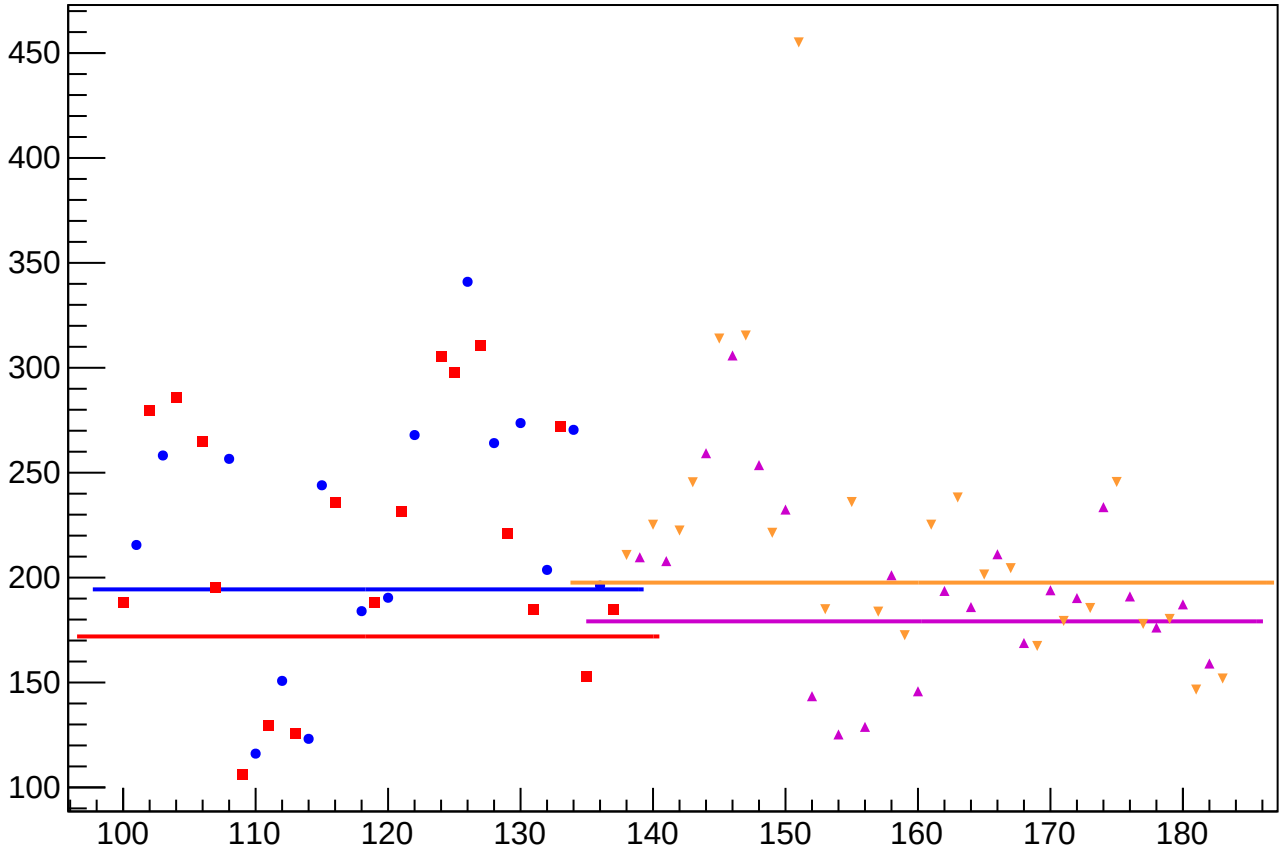
Left In: -119.975+/-44.143 χ^2/NDF:7.4/21

+ sign 93.573+/-39.964 χ^2/NDF: 30.2/39

All: 18.831+/-27.178 χ^2/NDF: 66.6/80

- sign -45.472+/-37.069 χ^2/NDF: 29.9/40

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 197.615+/-0.033 χ^2/NDF:1768893.6/23

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

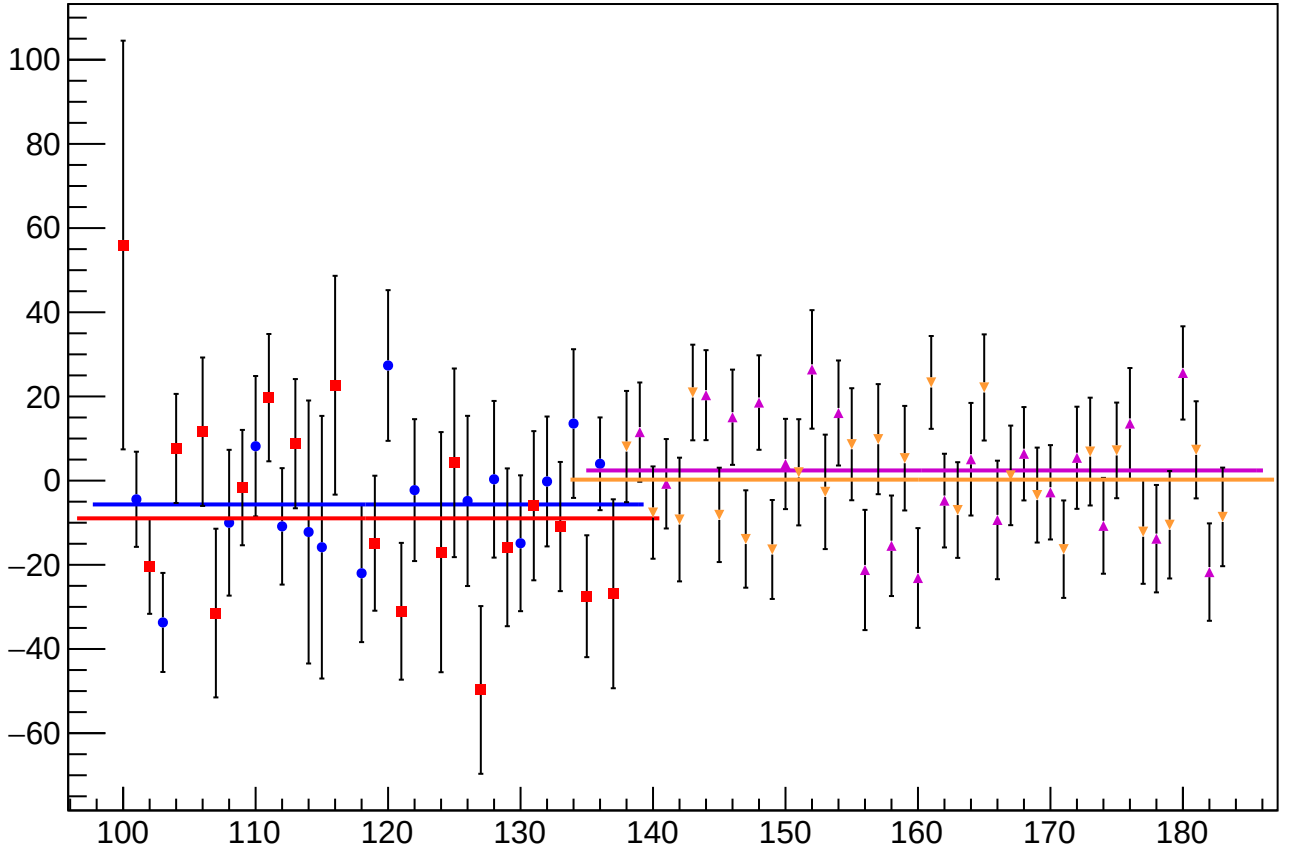
Left In: 179.144+/-0.031 χ^2/NDF:1666081.1/21

+ sign 196.731+/-0.028 χ^2/NDF: 2813512.3/39

All: 186.137+/-0.019 χ^2/NDF: 6408058.2/80

- sign 177.023+/-0.026 χ^2/NDF: 3333092.4/40

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.235+/-2.464 χ^2/NDF:23.1/23

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

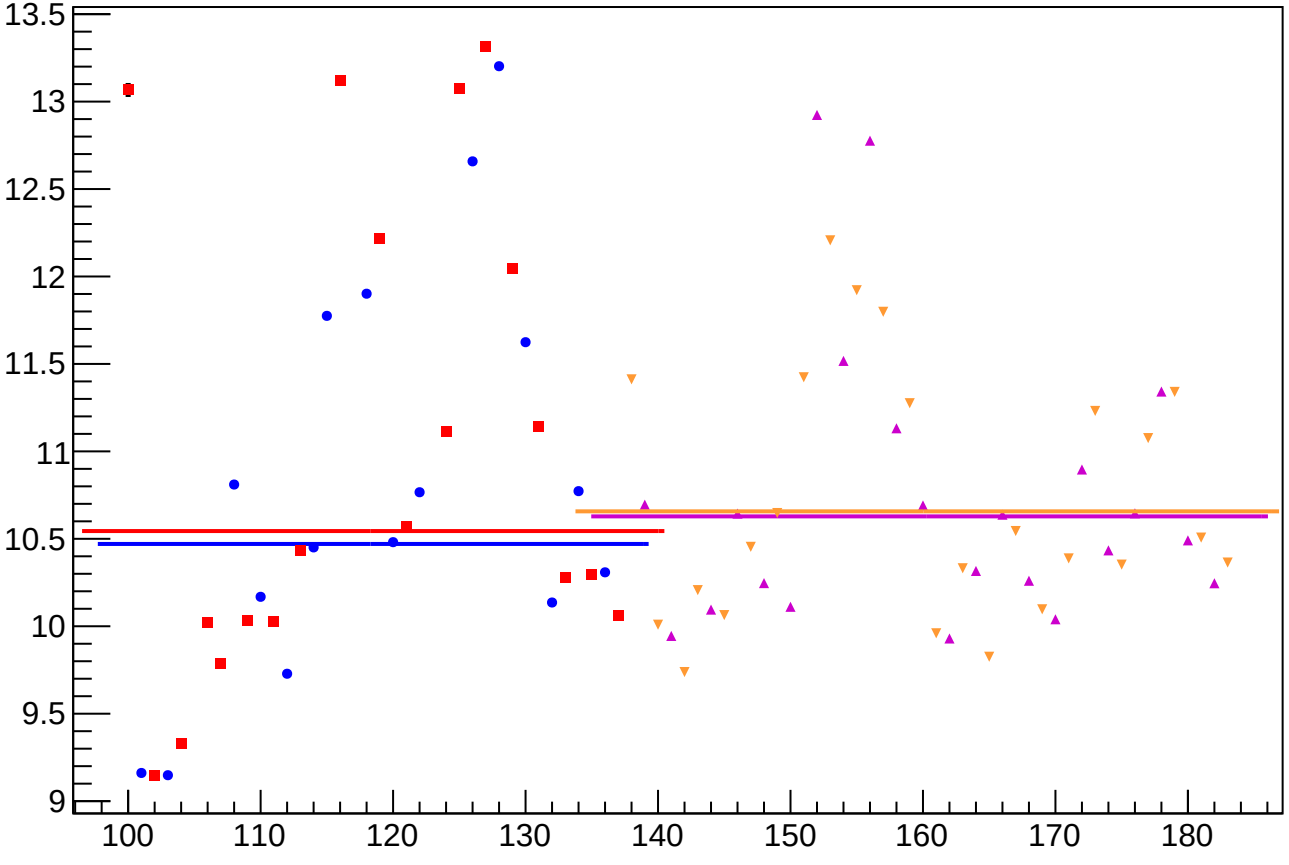
Left In: 2.422+/-2.527 χ^2/NDF:34.5/21

+ sign -1.422+/-2.089 χ^2/NDF: 38.3/39

All: -1.186+/-1.488 χ^2/NDF: 101.7/80

- sign -0.943+/-2.121 χ^2/NDF: 63.3/40

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.657+/-0.002 χ^2/NDF:141857.7/23

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

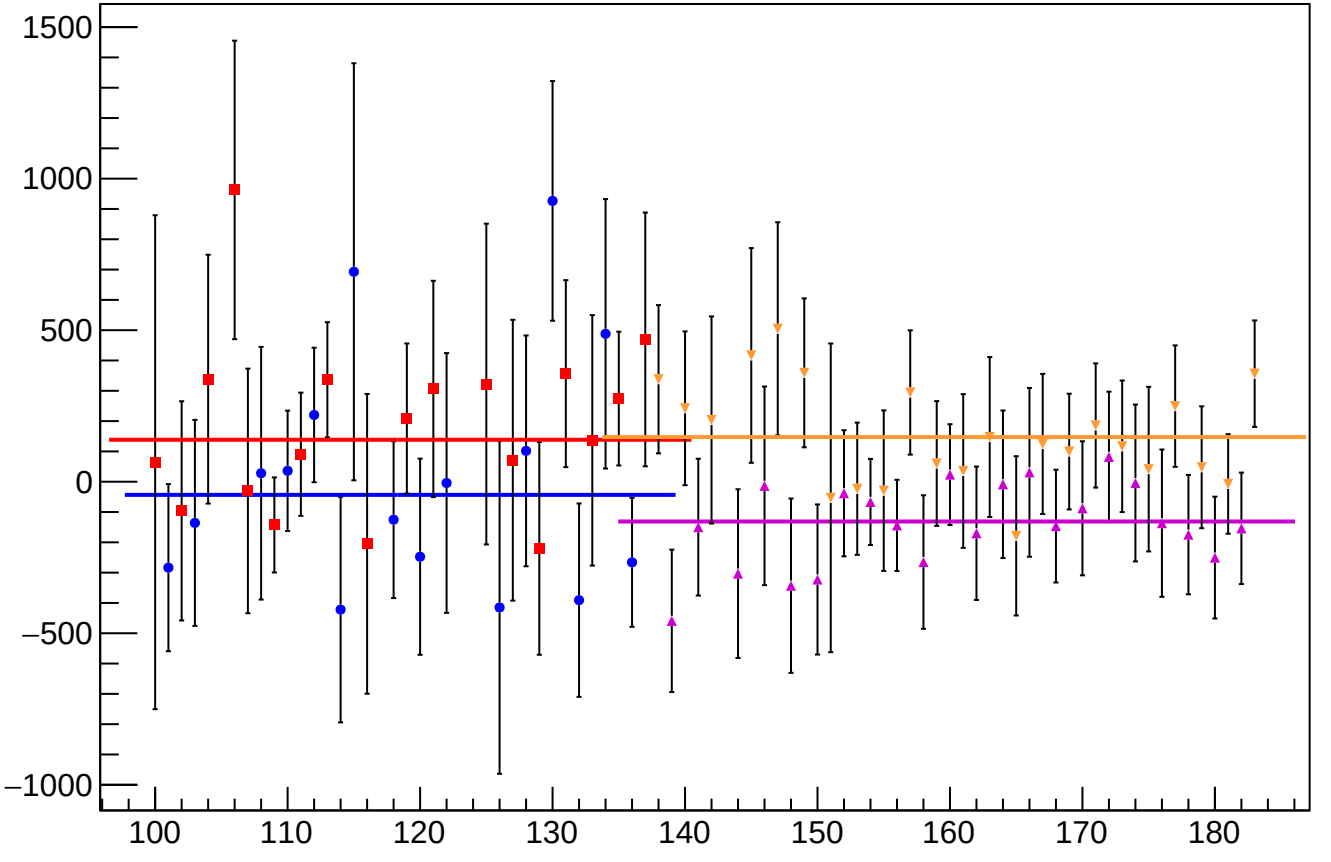
Left In: 10.628+/-0.002 χ^2/NDF:159418.4/21

+ sign 10.605+/-0.001 χ^2/NDF: 302445.0/39

All: 10.604+/-0.001 χ^2/NDF: 649295.7/80

- sign 10.603+/-0.001 χ^2/NDF: 346850.4/40

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.357+/-48.325 χ^2/NDF:9.9/22

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

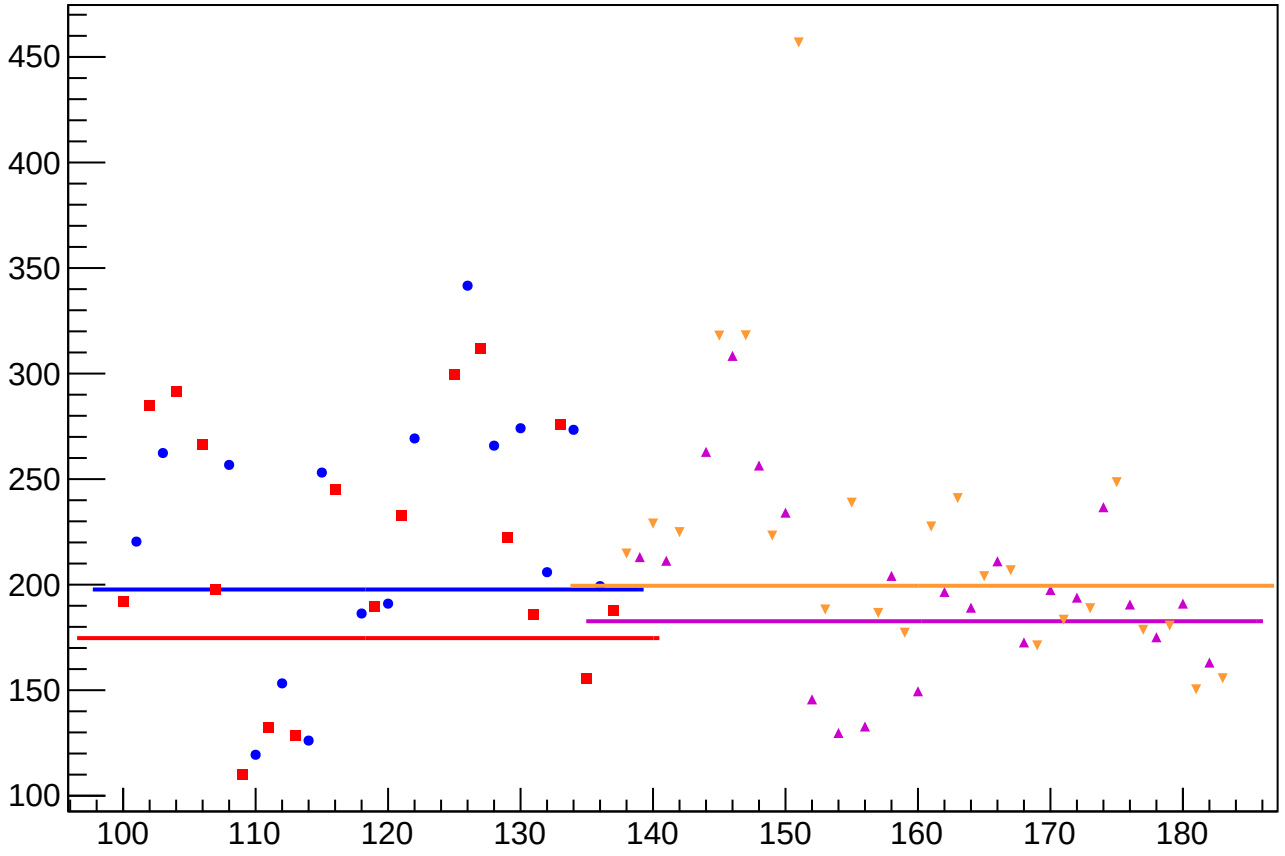
Left In: -131.270+/-44.932 χ^2/NDF:7.6/21

\+ sign 94.040+/-41.019 χ^2/NDF: 29.7/38

All: 14.877+/-27.792 χ^2/NDF: 66.1/78

\- sign -52.300+/-37.786 χ^2/NDF: 29.6/39

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 199.483+/-0.034 χ^2/NDF:1652961.7/22

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

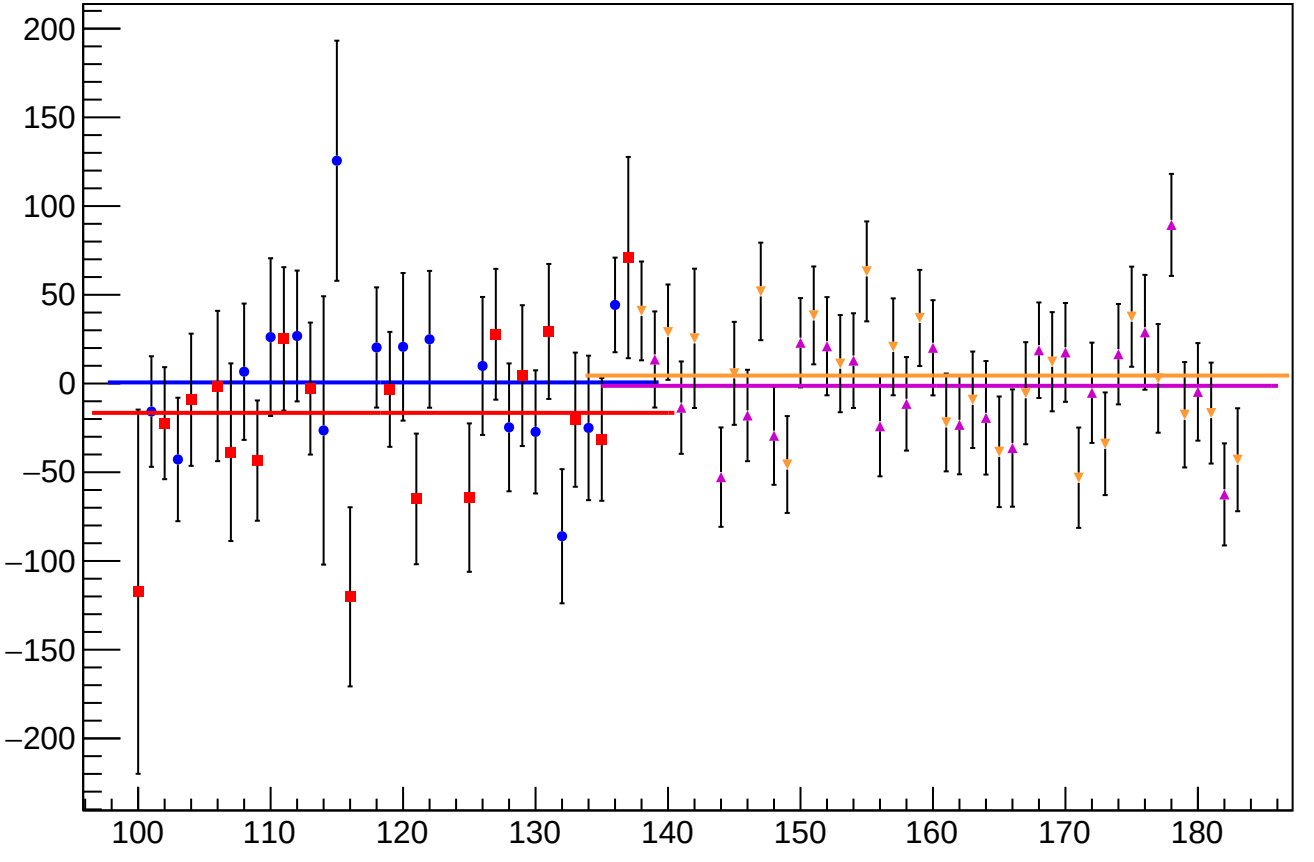
Left In: 182.673+/-0.032 χ^2/NDF:1572249.6/21

+ sign 198.987+/-0.029 χ^2/NDF: 2654041.3/38

All: 188.896+/-0.020 χ^2/NDF: 6003333.8/78

- sign 180.333+/-0.027 χ^2/NDF: 3125536.6/39

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 4.483+/-5.944 χ^2/NDF:31.2/22

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

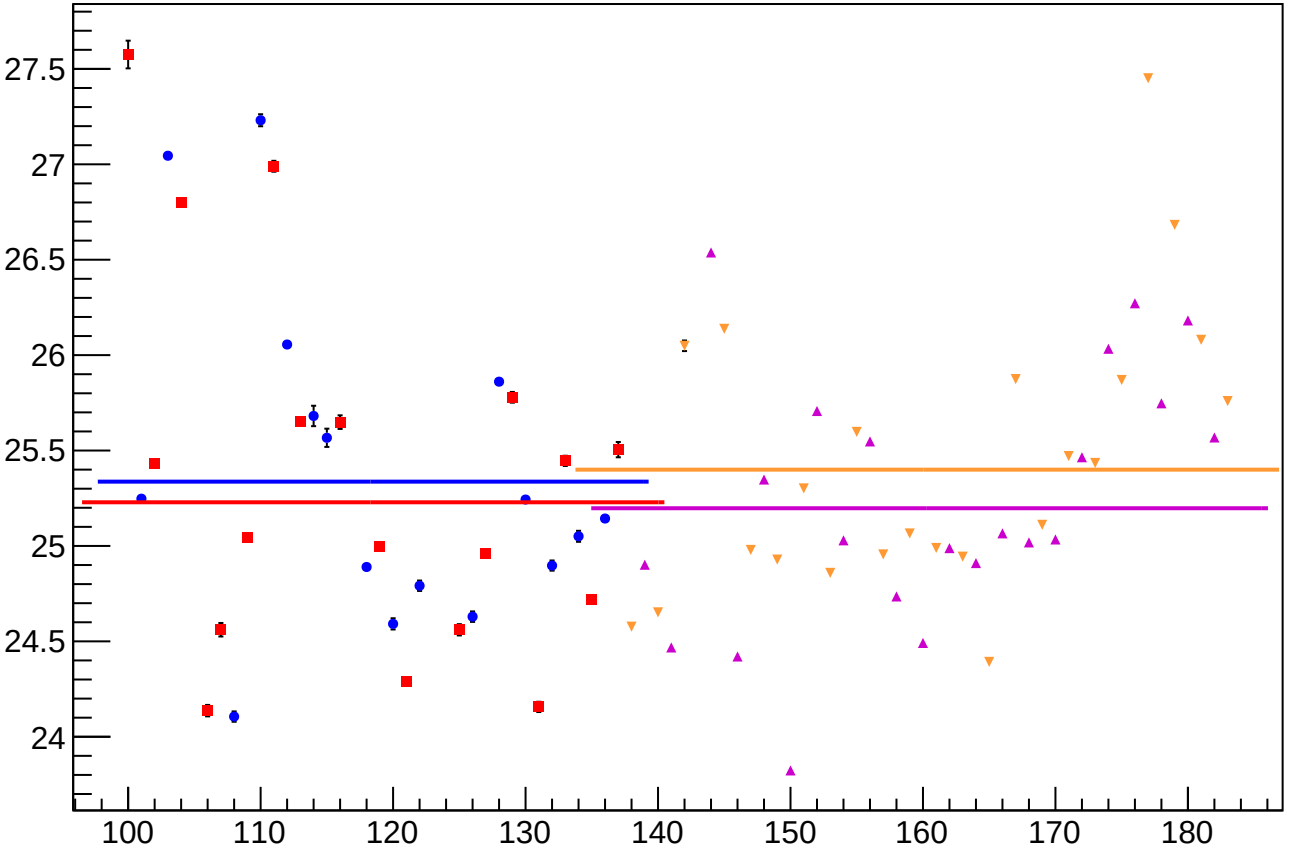
Left In: -1.294+/-5.939 χ^2/NDF:27.5/21

+ sign 3.383+/-5.027 χ^2/NDF: 48.1/38

All: -1.179+/-3.547 χ^2/NDF: 95.5/78

- sign -5.705+/-5.007 χ^2/NDF: 45.8/39

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.400+/-0.004 χ^2/NDF:26525.8/22

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

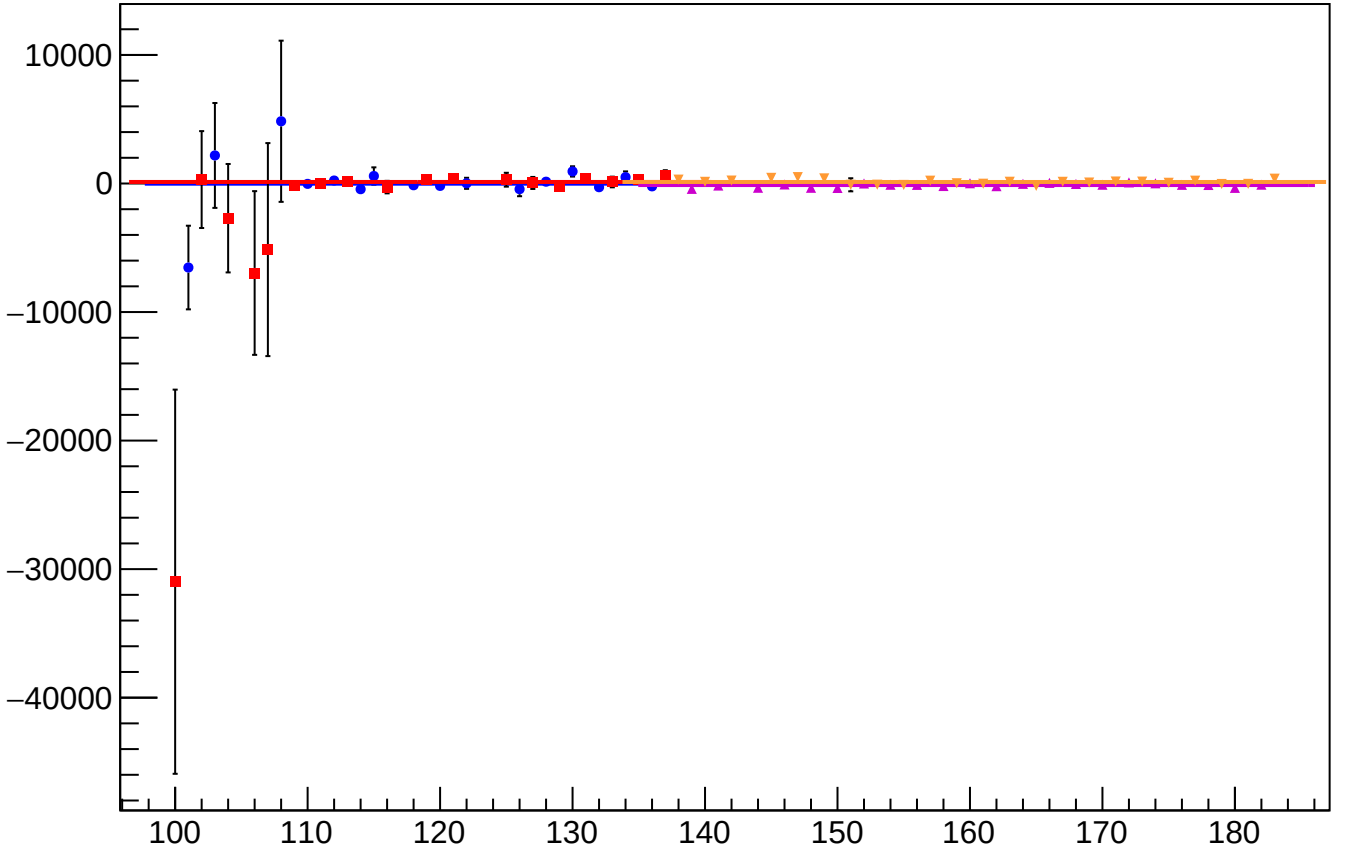
Left In: 25.198+/-0.004 χ^2/NDF:25515.1/21

+ sign 25.382+/-0.004 χ^2/NDF: 40904.4/38

All: 25.294+/-0.003 χ^2/NDF: 82832.8/78

- sign 25.207+/-0.004 χ^2/NDF: 40707.1/39

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 117.980+/-48.031 χ^2/NDF:11.8/22

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

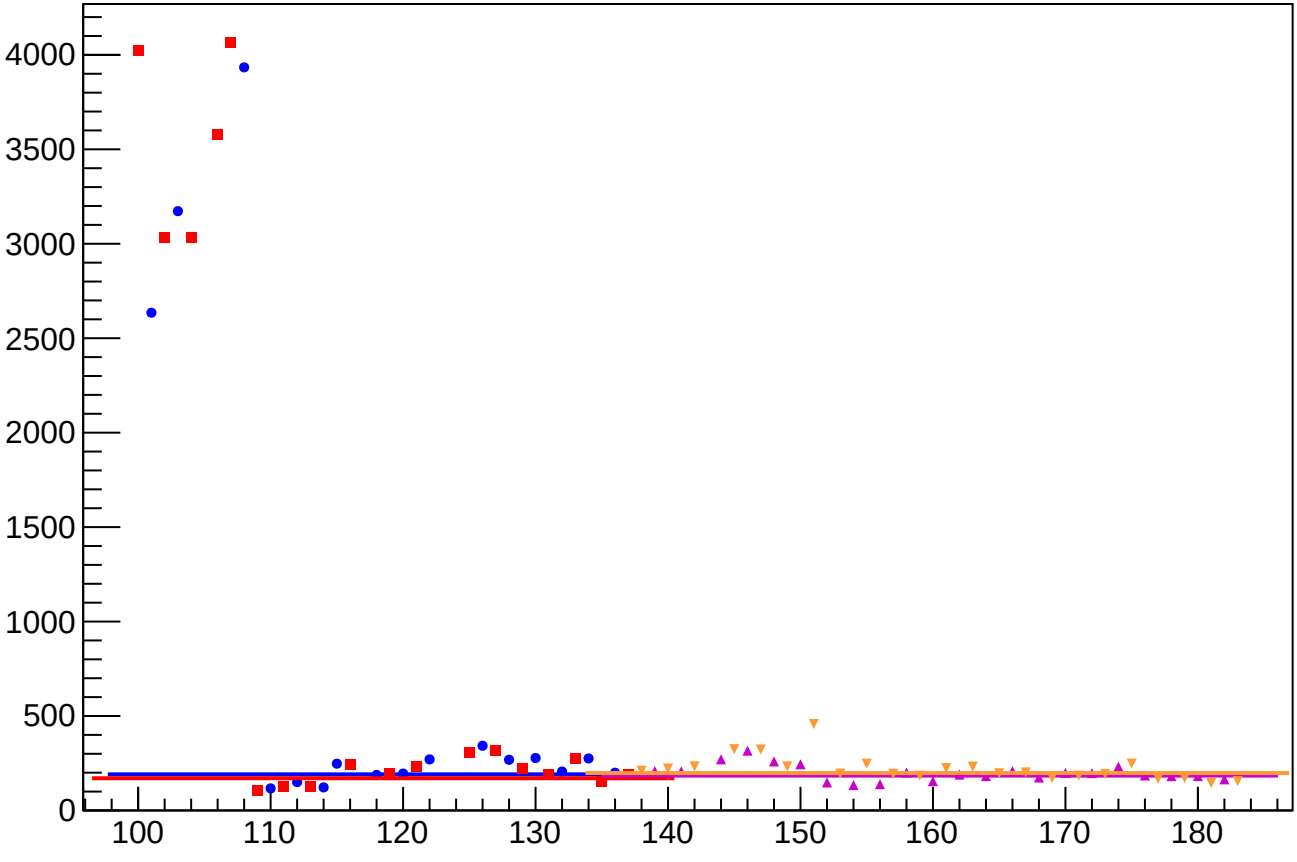
Left In: -119.920+/-45.307 χ^2/NDF:8.1/21

+ sign 85.929+/-41.751 χ^2/NDF: 32.0/38

All: 8.554+/-28.581 χ^2/NDF: 68.0/78

- sign -59.684+/-39.208 χ^2/NDF: 29.6/39

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 198.003+/-0.034 χ^2/NDF:1768848.9/22

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

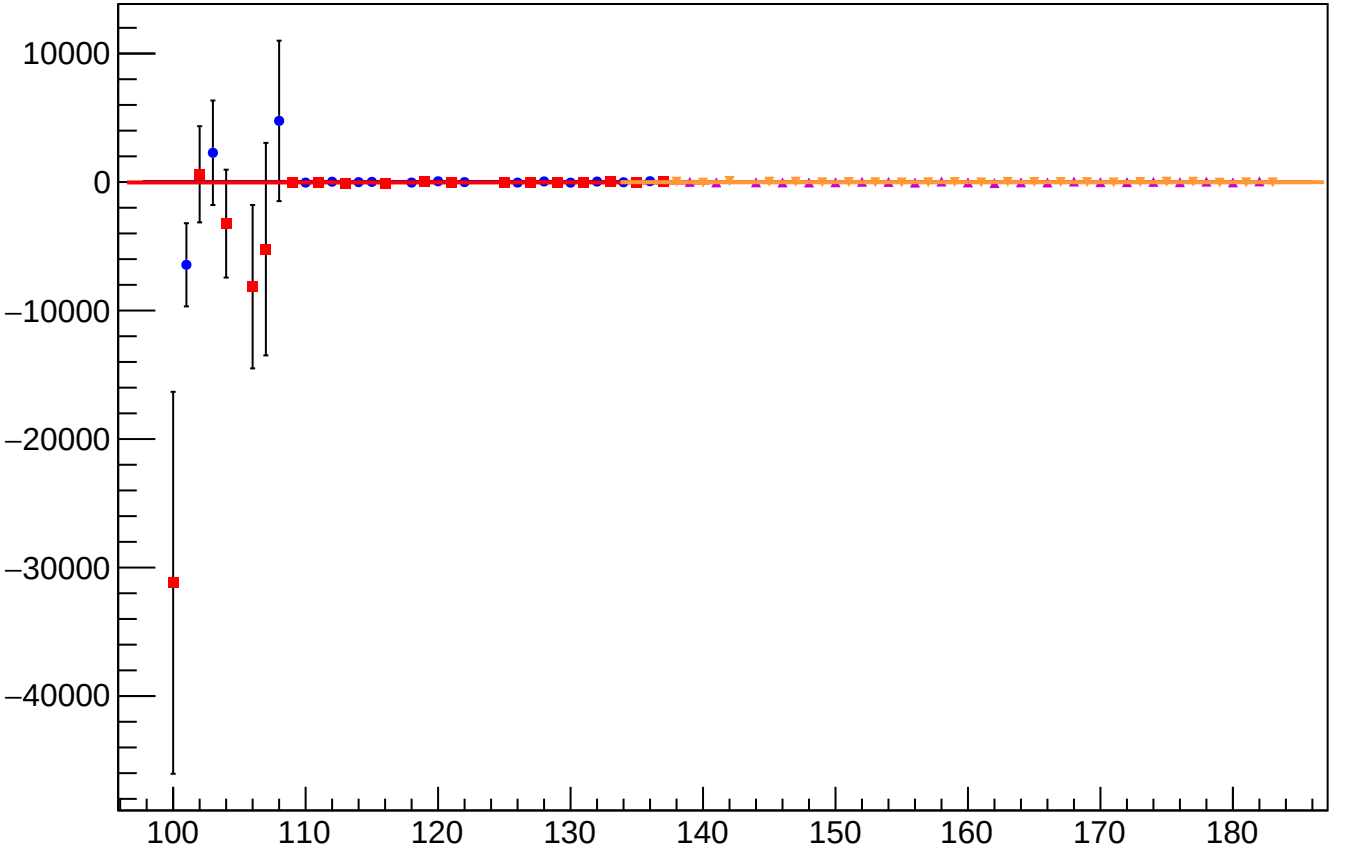
Left In: 184.640+/-0.032 χ^2/NDF:1430643.9/21

+ sign 196.309+/-0.030 χ^2/NDF: 5612986.5/38

All: 188.221+/-0.020 χ^2/NDF: 11488649.3/78

- sign 181.088+/-0.028 χ^2/NDF: 5734420.3/39

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -10.225+/-6.700 χ^2/NDF:16.3/22

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

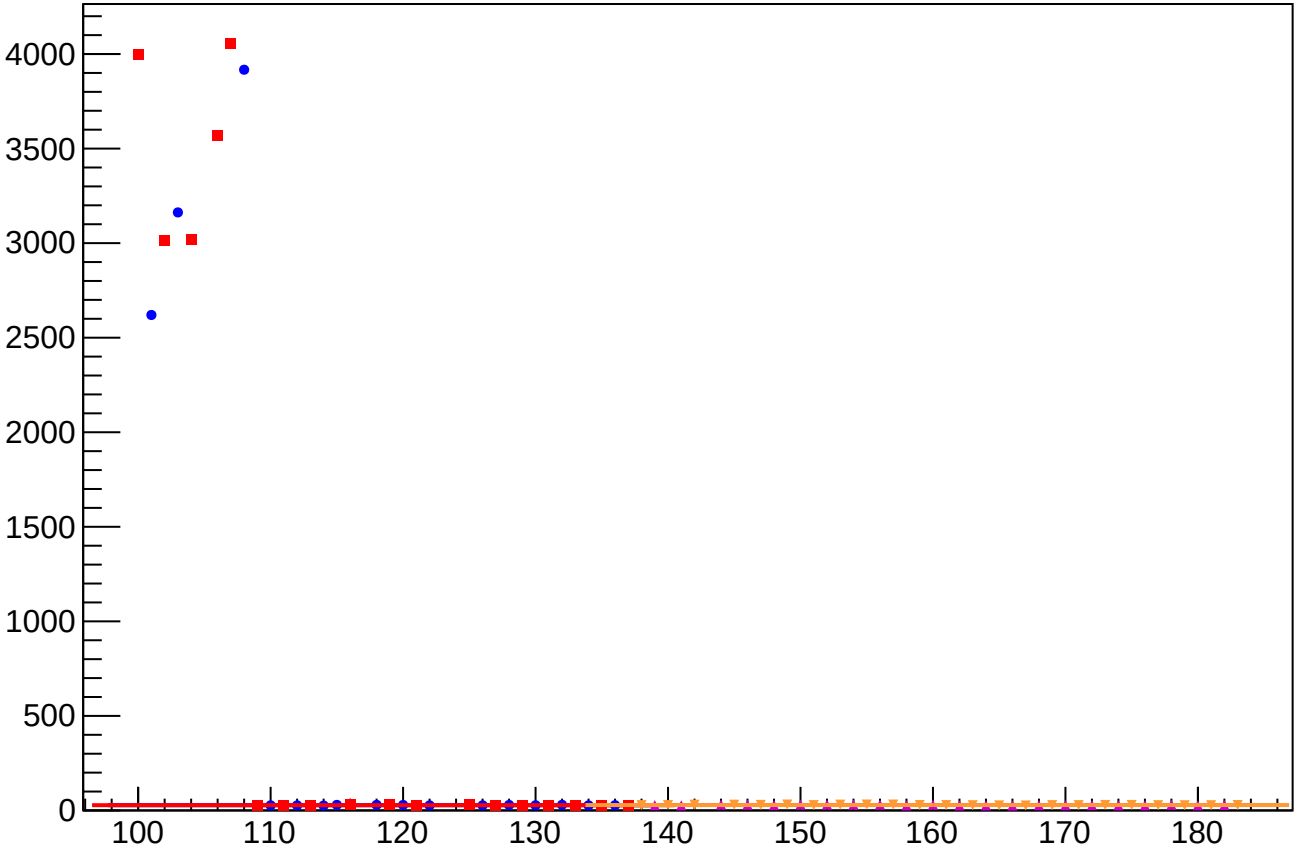
Left In: -2.964+/-6.788 χ^2/NDF:22.0/21

+ sign -6.131+/-5.822 χ^2/NDF: 36.1/38

All: -7.850+/-4.150 χ^2/NDF: 82.1/78

- sign -9.626+/-5.918 χ^2/NDF: 45.9/39

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.592+/-0.005 χ^2/NDF:80997.3/22

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

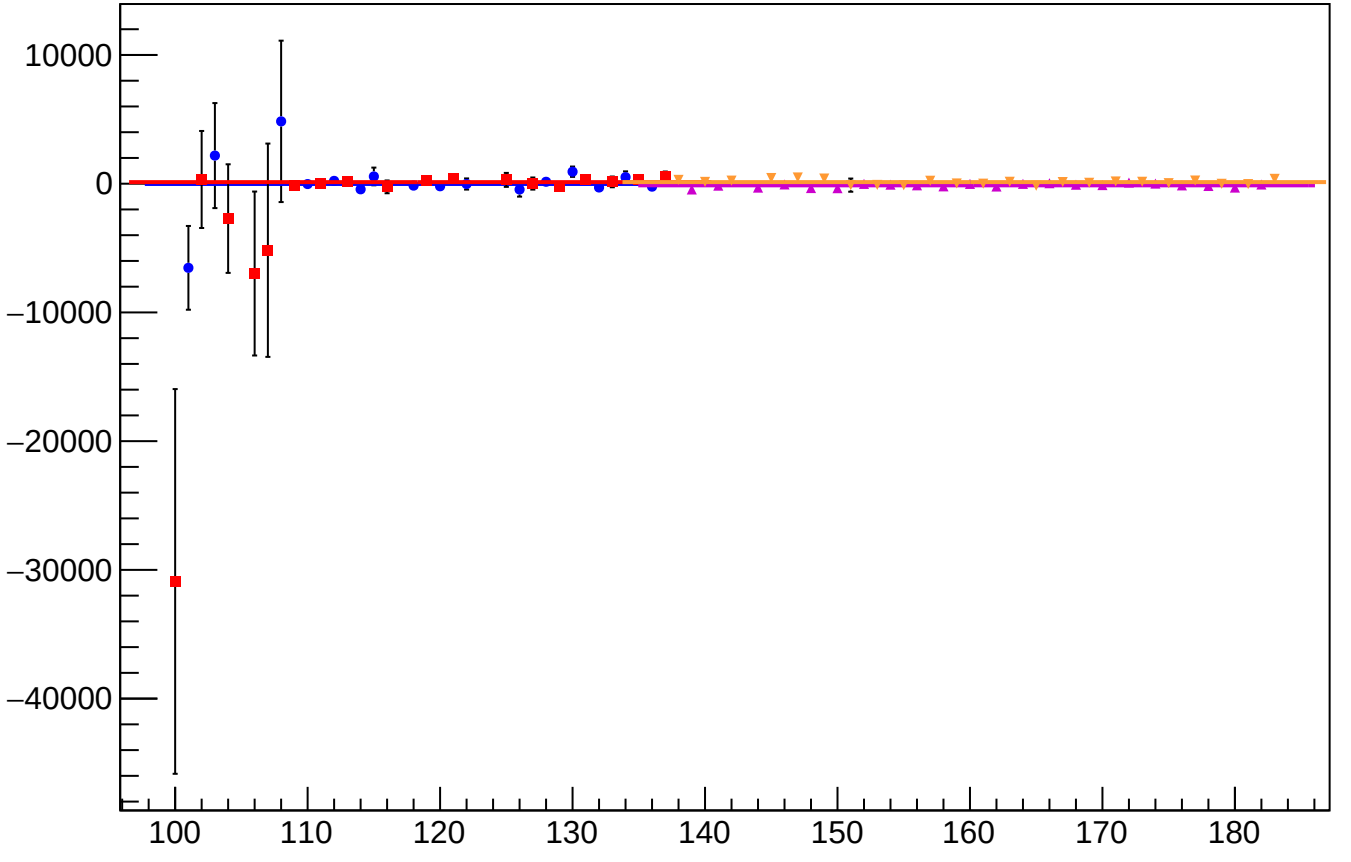
Left In: 28.730+/-0.005 χ^2/NDF:127373.2/21

+ sign 28.404+/-0.004 χ^2/NDF: 3353321.9/38

All: 28.452+/-0.003 χ^2/NDF: 7048789.5/78

- sign 28.501+/-0.004 χ^2/NDF: 3695194.9/39

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 124.109+/-48.447 χ^2/NDF:11.5/22

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

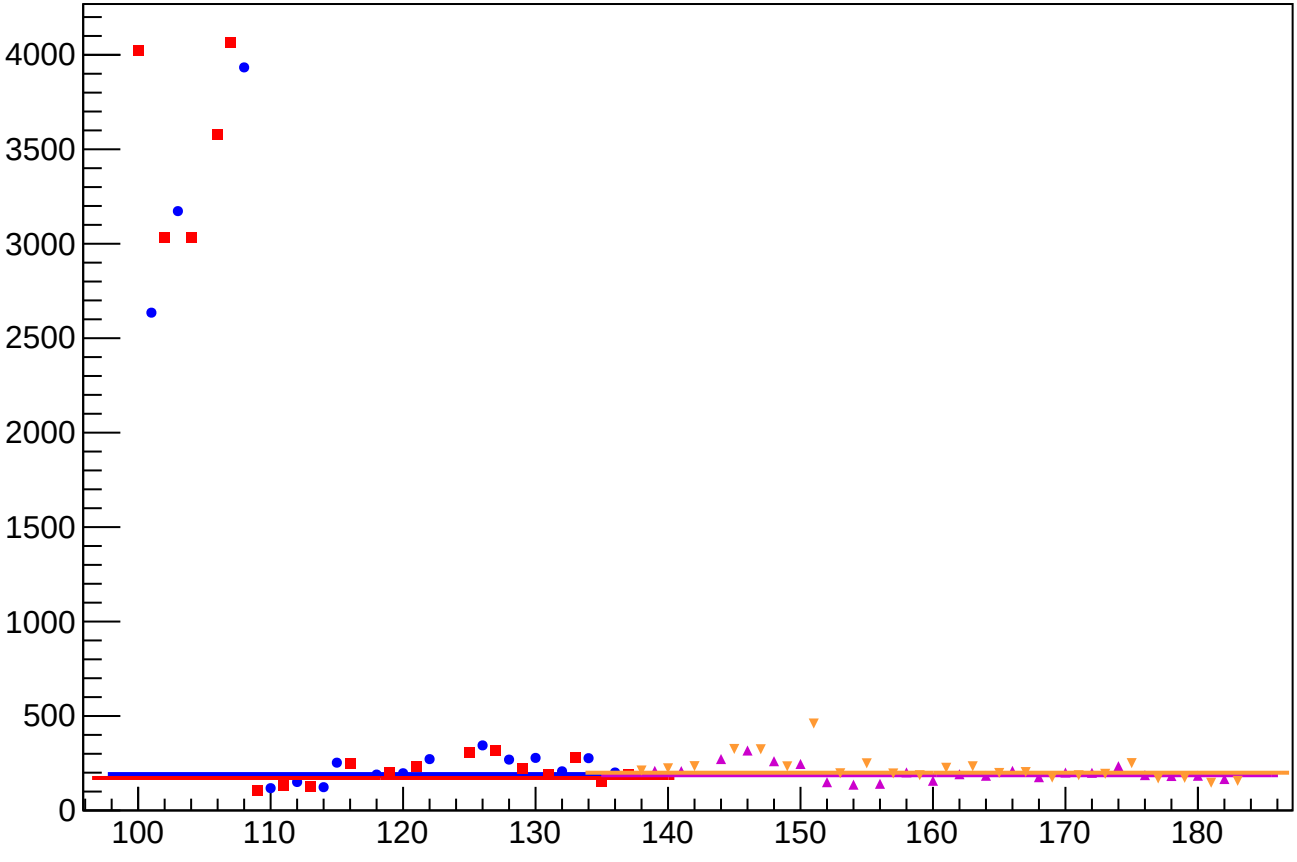
Left In: -127.282+/-45.724 χ^2/NDF:7.6/21

+ sign 88.929+/-42.098 χ^2/NDF: 31.8/38

All: 7.354+/-28.826 χ^2/NDF: 67.2/78

- sign -64.659+/-39.554 χ^2/NDF: 28.3/39

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 199.807+/-0.034 χ^2/NDF:1746337.6/22

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

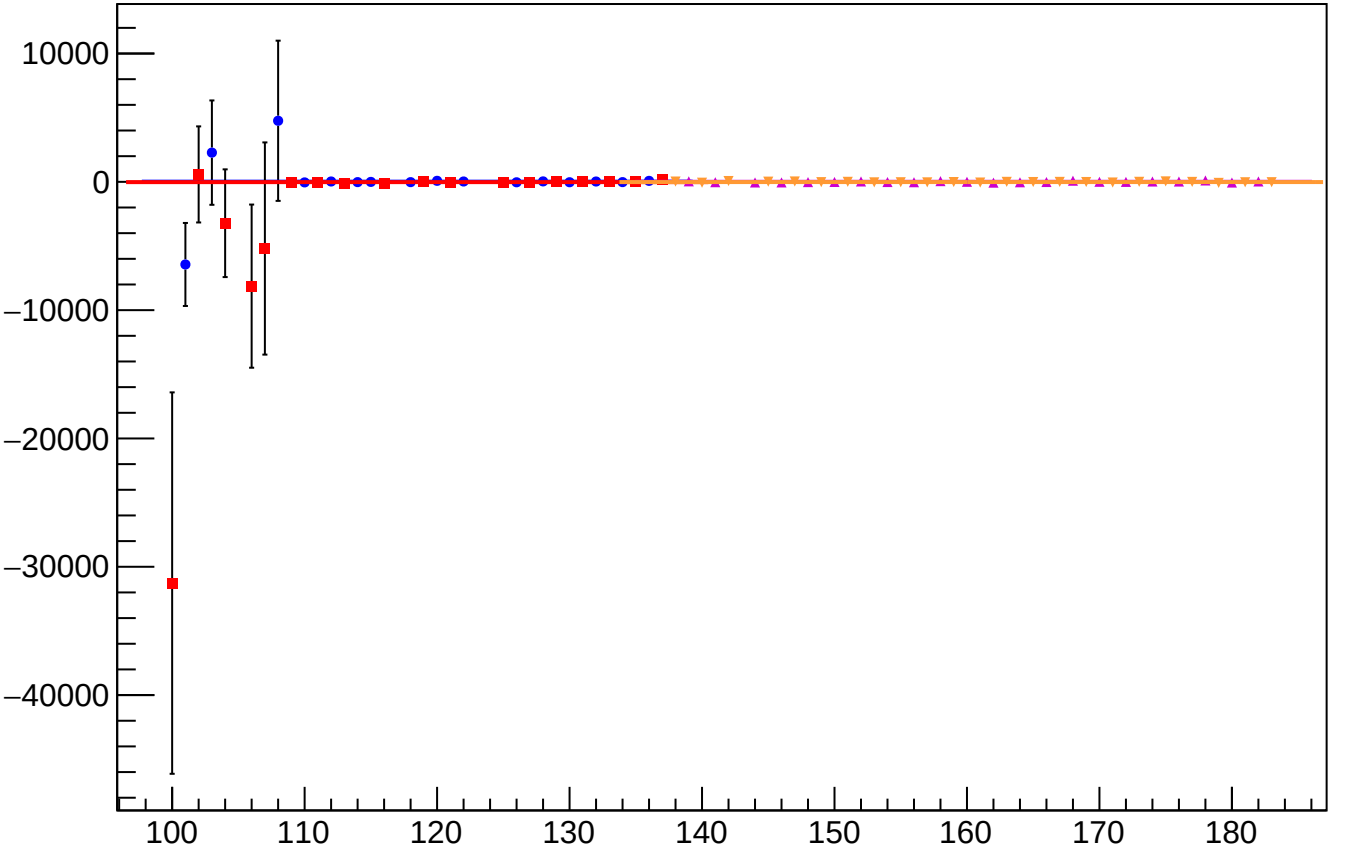
Left In: 186.467+/-0.032 χ^2/NDF:1390679.8/21

+ sign 198.032+/-0.030 χ^2/NDF: 5580088.5/38

All: 189.942+/-0.020 χ^2/NDF: 11408728.6/78

- sign 182.800+/-0.028 χ^2/NDF: 5689576.9/39

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -17.267+/-7.308 χ^2/NDF:19.1/22

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

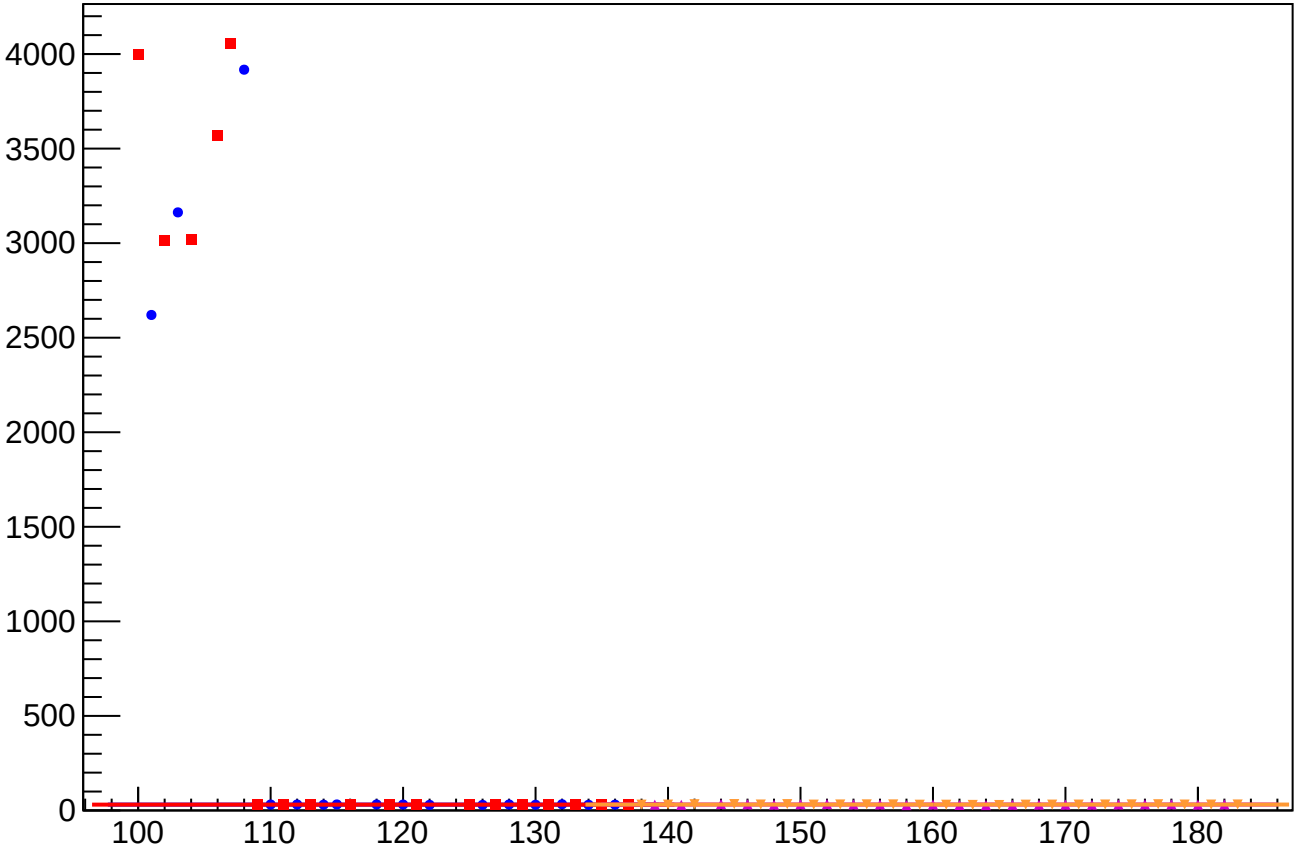
Left In: 2.824+/-7.407 χ^2/NDF:35.5/21

+ sign -9.881+/-6.378 χ^2/NDF: 38.9/38

All: -6.483+/-4.546 χ^2/NDF: 105.9/78

- sign -2.975+/-6.480 χ^2/NDF: 66.5/39

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.211+/-0.005 χ^2/NDF:47089.6/22

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

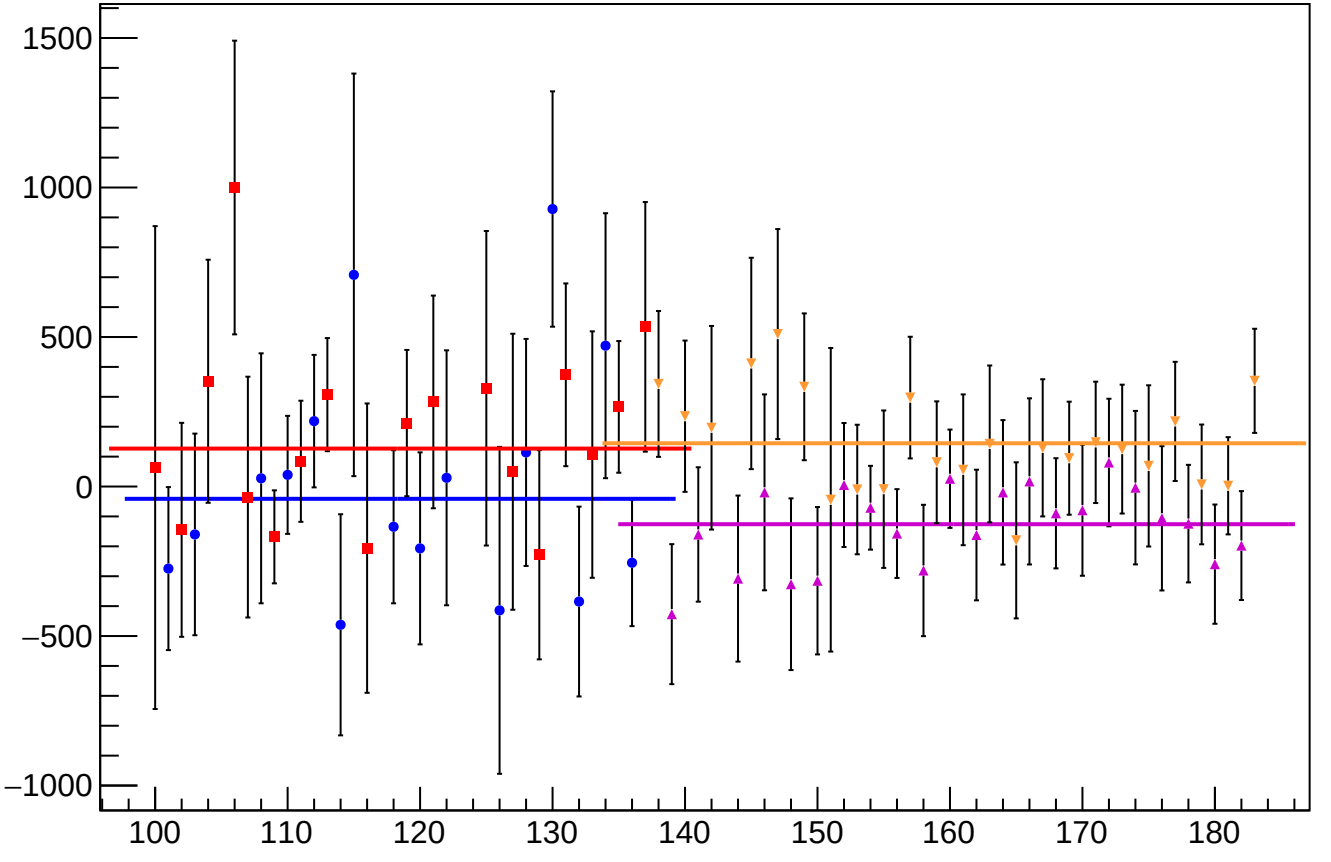
Left In: 31.373+/-0.005 χ^2/NDF:85124.7/21

+ sign 31.143+/-0.005 χ^2/NDF: 3300408.4/38

All: 31.191+/-0.003 χ^2/NDF: 6924479.7/78

- sign 31.239+/-0.005 χ^2/NDF: 3623848.2/39

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.652+/-47.995 χ^2/NDF:9.3/22

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

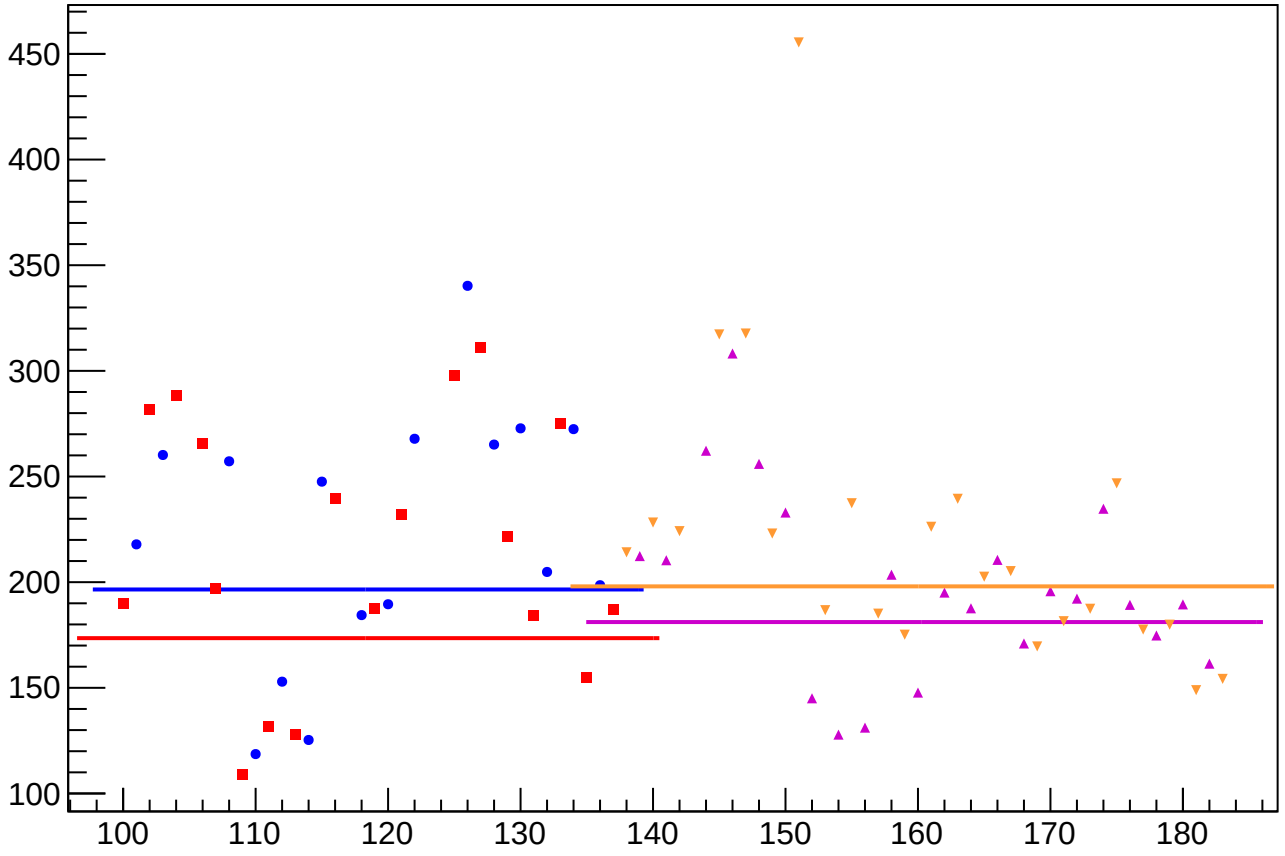
Left In: -125.990+/-44.584 χ^2/NDF:7.6/21

+ sign 92.809+/-40.751 χ^2/NDF: 29.1/38

All: 14.367+/-27.597 χ^2/NDF: 65.7/78

- sign -52.086+/-37.508 χ^2/NDF: 29.8/39

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 198.012+/-0.034 χ^2/NDF:1680059.3/22

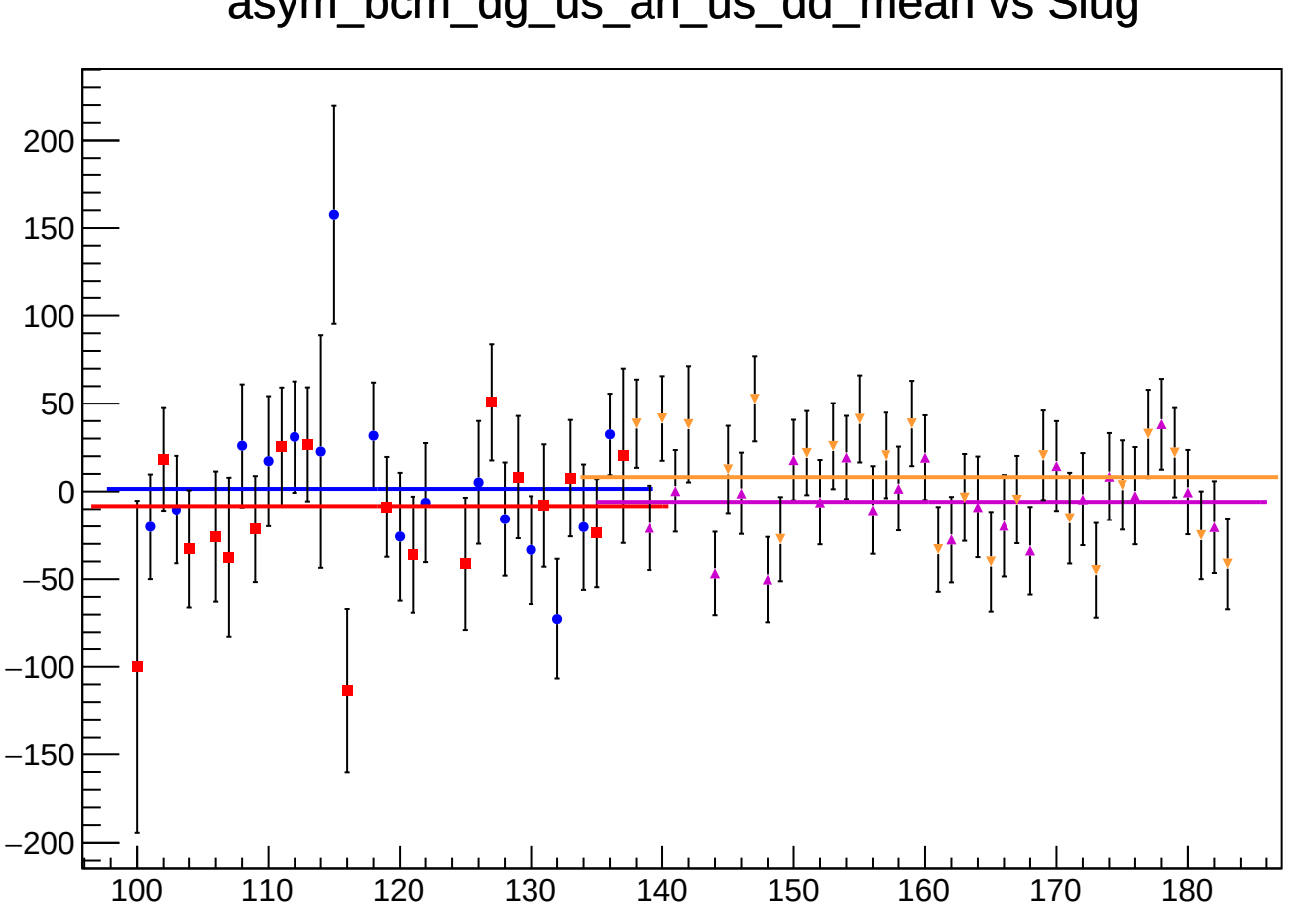
Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 181.124+/-0.032 χ^2/NDF:1615823.7/21

+ sign 197.602+/-0.029 χ^2/NDF: 2681353.5/38

All: 187.477+/-0.020 χ^2/NDF: 6075030.5/78

- sign 178.899+/-0.027 χ^2/NDF: 3165594.9/39



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 8.161+/-5.263 χ^2/NDF:32.2/22

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

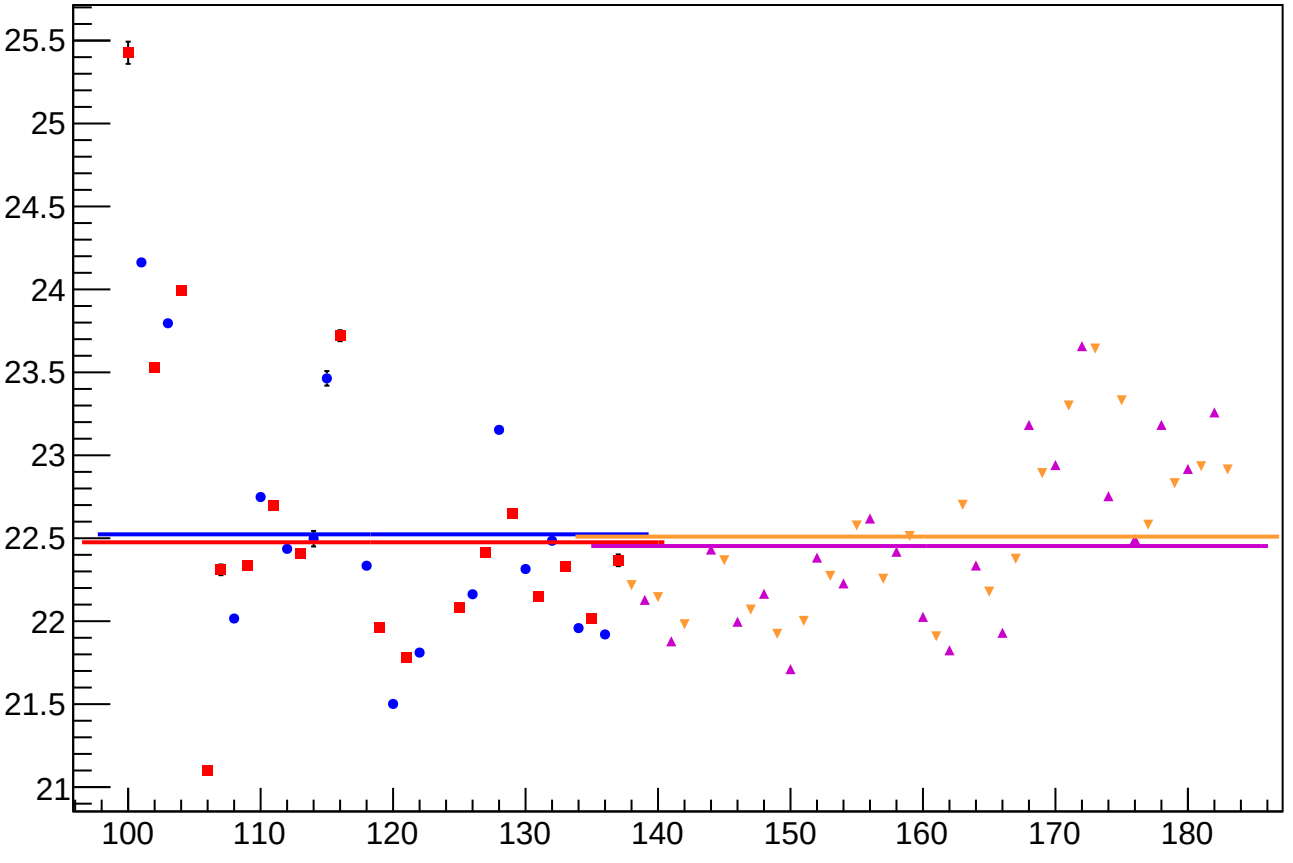
Left In: -5.940+/-5.288 χ^2/NDF:16.8/21

+ sign 6.266+/-4.456 χ^2/NDF: 51.3/38

All: -0.180+/-3.151 χ^2/NDF: 88.4/78

- sign -6.631+/-4.458 χ^2/NDF: 32.9/39

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.510+/-0.004 χ^2/NDF:15537.4/22

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

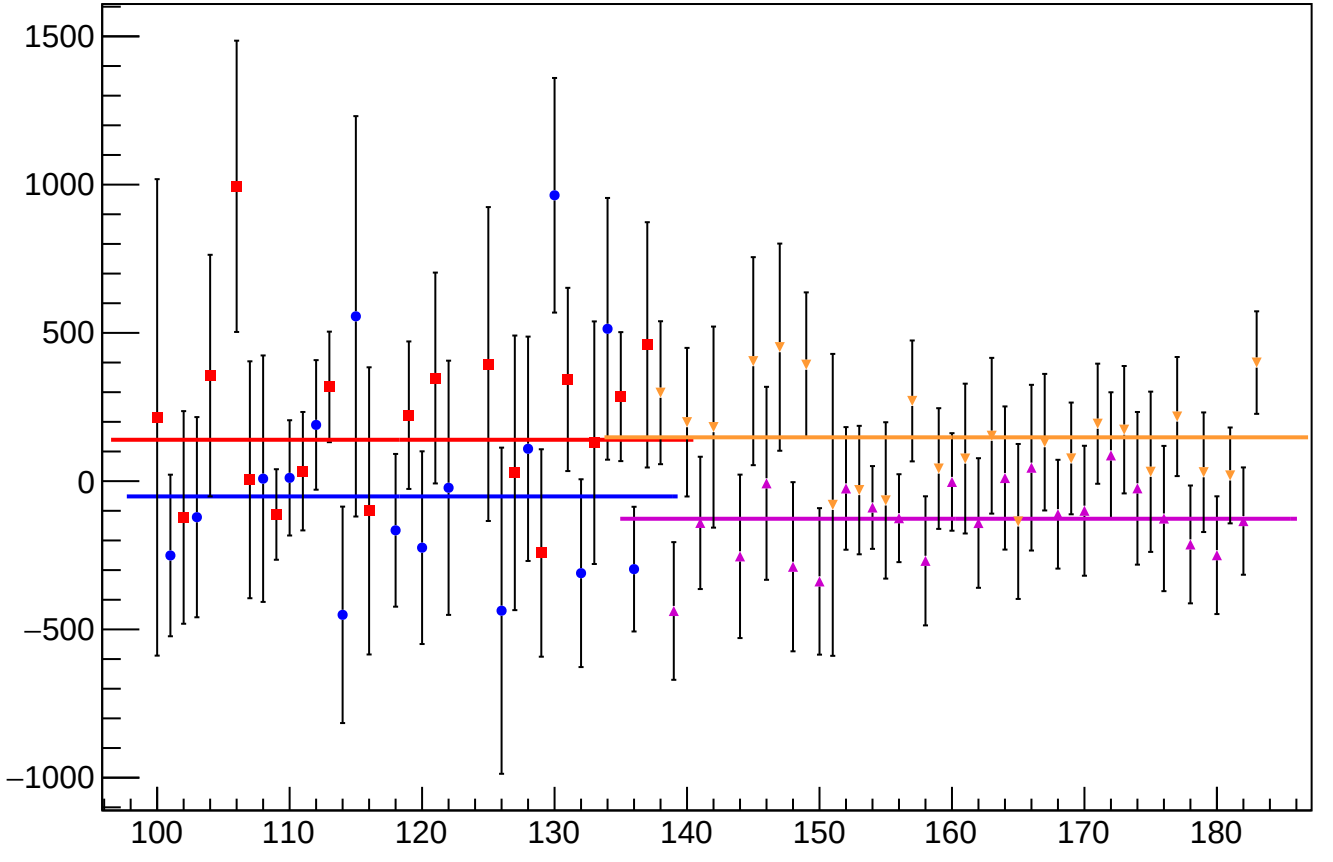
Left In: 22.453+/-0.004 χ^2/NDF:18878.6/21

\+ sign 22.514+/-0.003 χ^2/NDF: 31489.1/38

All: 22.487+/-0.002 χ^2/NDF: 66062.5/78

\- sign 22.460+/-0.003 χ^2/NDF: 34425.8/39

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 147.813+/-47.924 χ^2/NDF:9.8/22

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

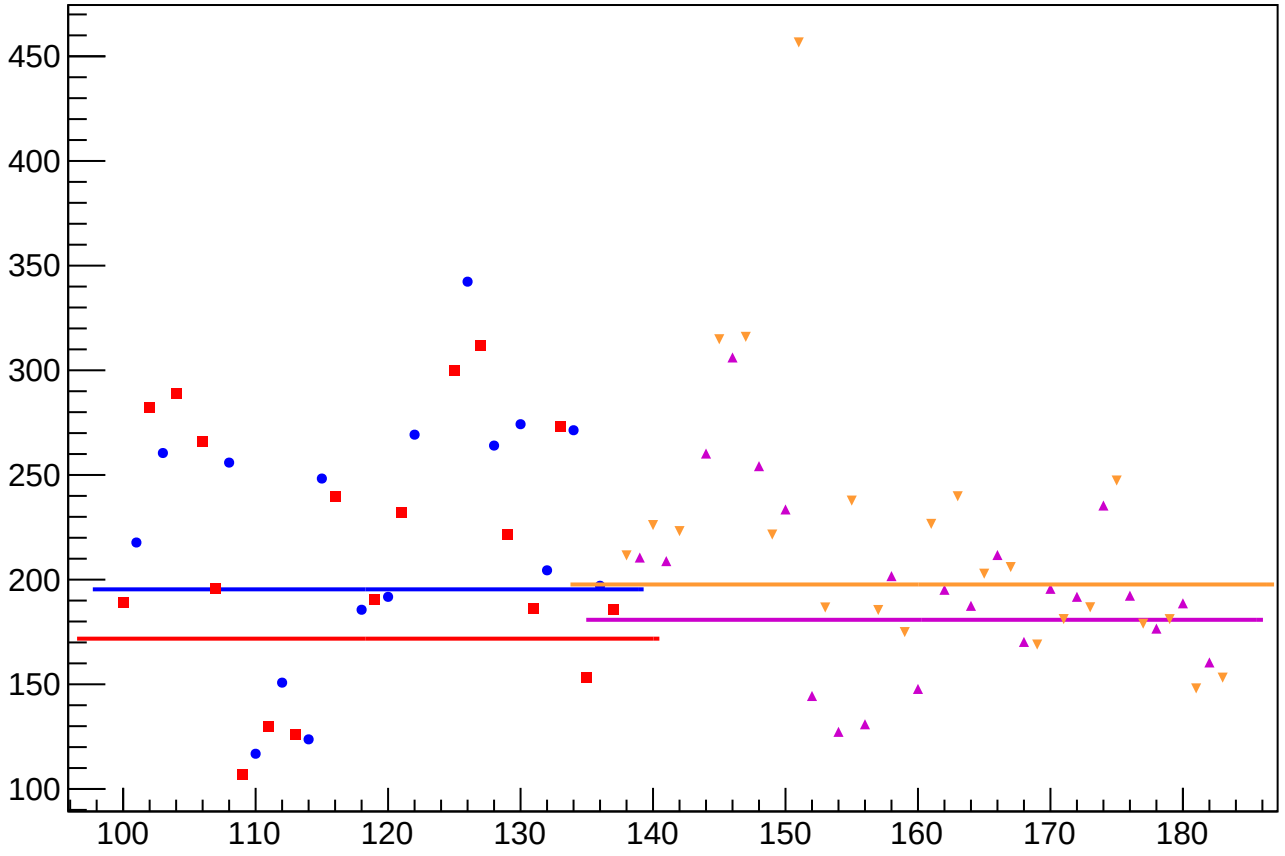
Left In: -126.825+/-44.512 χ^2/NDF:7.0/21

\+ sign 91.954+/-40.657 χ^2/NDF: 30.0/38

All: 15.923+/-27.520 χ^2/NDF: 65.5/78

\- sign -48.369+/-37.387 χ^2/NDF: 29.1/39

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 197.692+/-0.034 χ^2/NDF:1681513.4/22

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

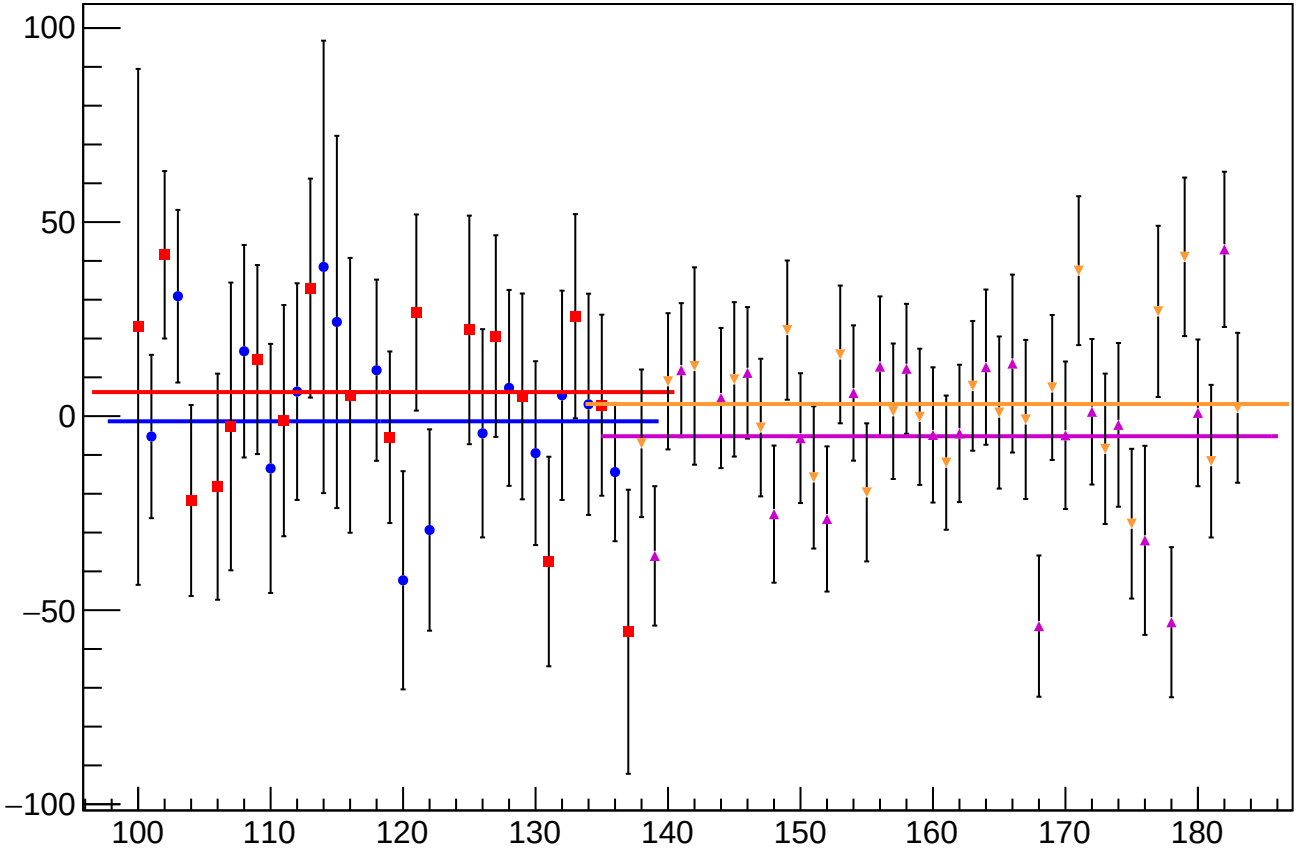
Left In: 180.813+/-0.031 χ^2/NDF:1611739.6/21

\+ sign 197.039+/-0.029 χ^2/NDF: 2724271.4/38

All: 186.809+/-0.019 χ^2/NDF: 6194455.8/78

\- sign 178.160+/-0.026 χ^2/NDF: 3236526.9/39

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.123+/-3.929 χ^2/NDF:17.4/22

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

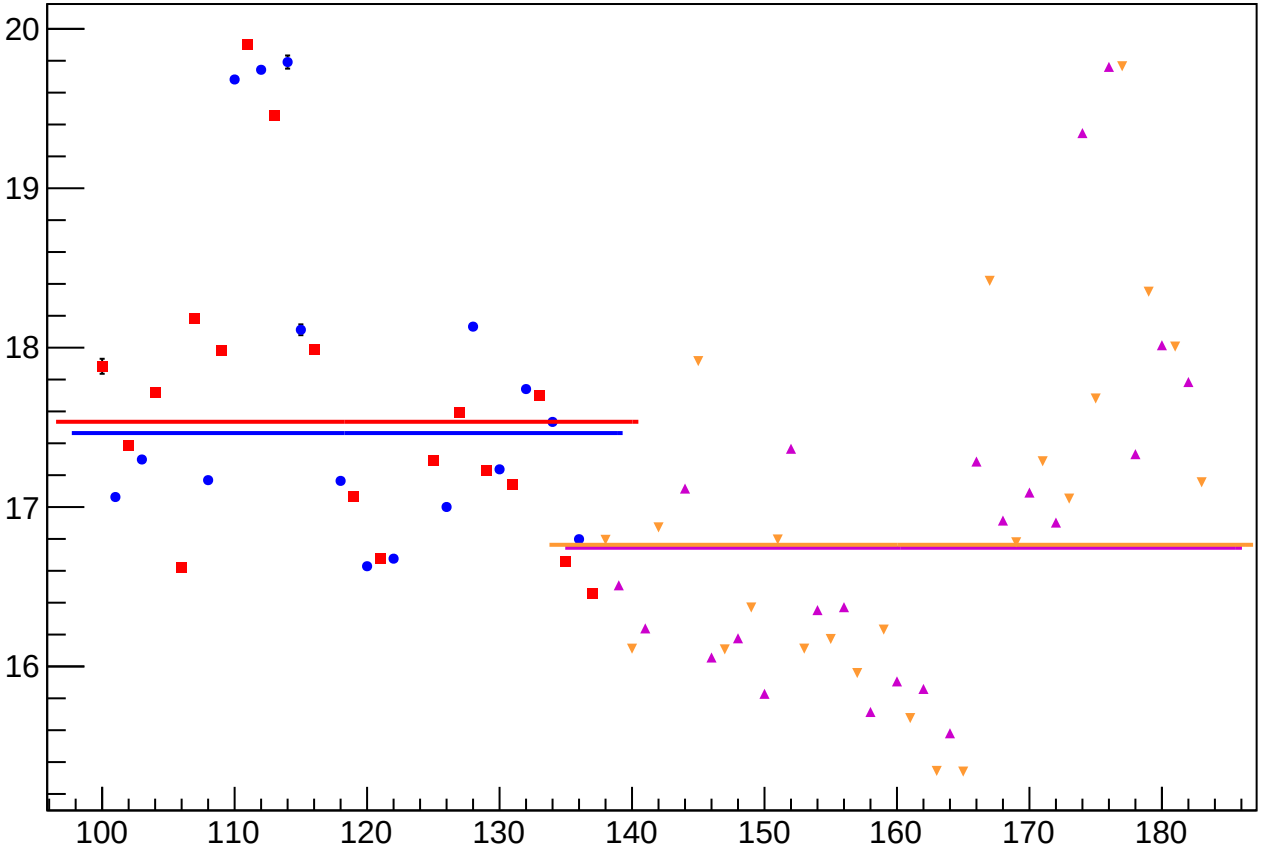
Left In: -5.177+/-3.953 χ^2/NDF:32.3/21

+ sign 1.931+/-3.362 χ^2/NDF: 25.8/38

All: -0.072+/-2.382 χ^2/NDF: 74.5/78

- sign -2.088+/-3.374 χ^2/NDF: 48.0/39

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.763+/-0.003 χ^2/NDF:134536.2/22

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

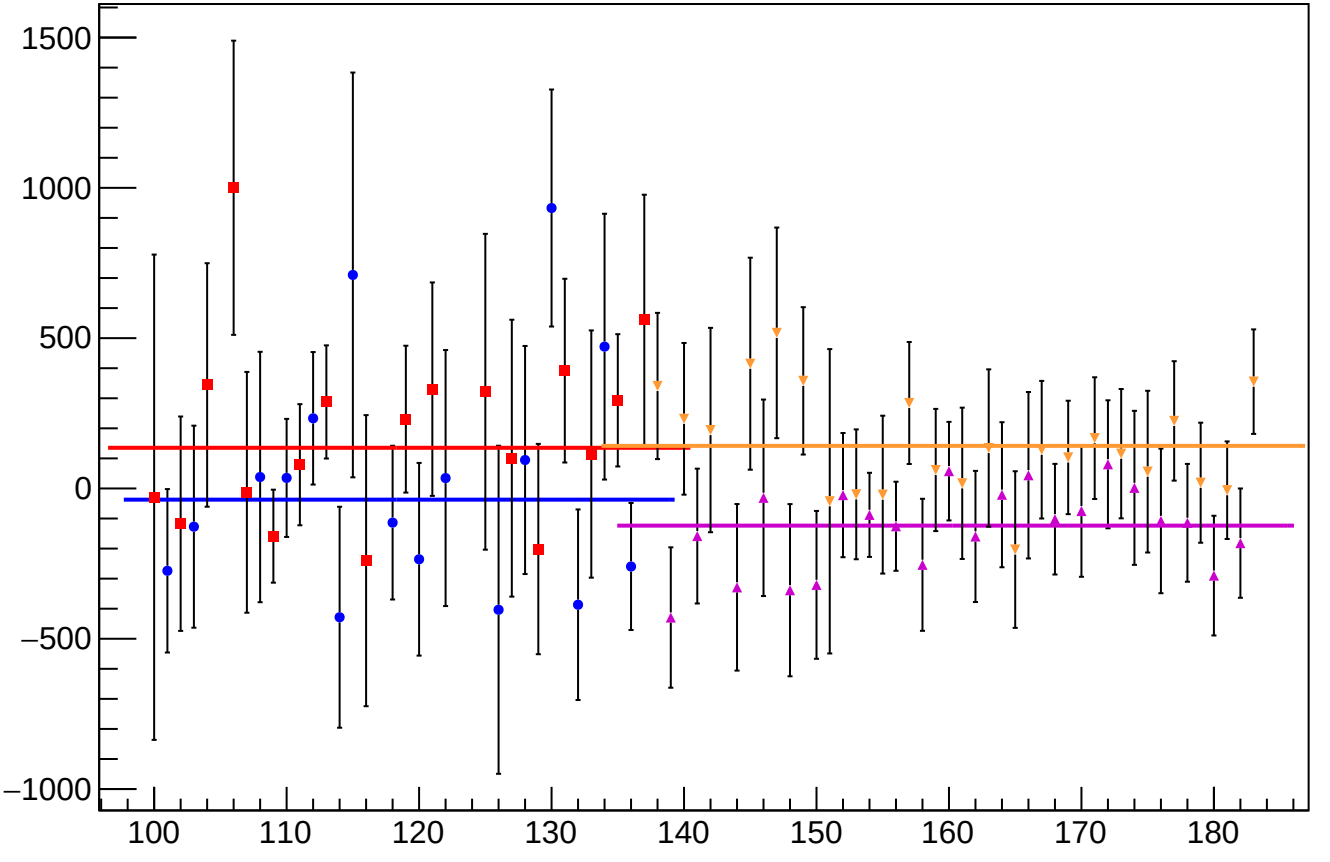
Left In: 16.745+/-0.003 χ^2/NDF:121804.3/21

+ sign 16.951+/-0.002 χ^2/NDF: 188223.4/38

All: 16.955+/-0.002 χ^2/NDF: 366227.9/78

- sign 16.959+/-0.002 χ^2/NDF: 177998.1/39

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 141.661+/-47.890 χ^2/NDF:10.1/22

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

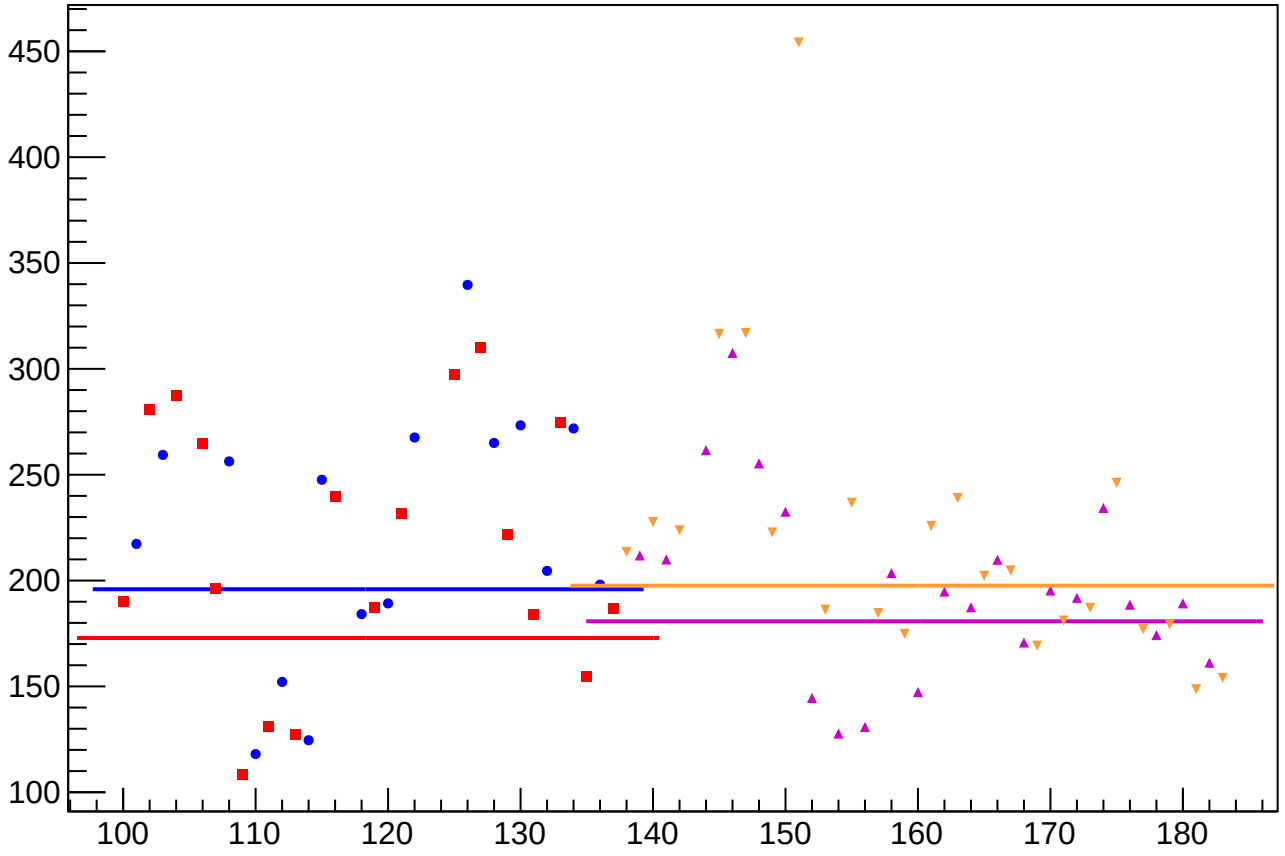
Left In: -123.675+/-44.496 χ^2/NDF:8.1/21

+ sign 91.681+/-40.654 χ^2/NDF: 29.7/38

All: 16.139+/-27.532 χ^2/NDF: 66.8/78

- sign -47.861+/-37.420 χ^2/NDF: 30.8/39

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 197.586+/-0.034 χ^2/NDF:1678642.7/22

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

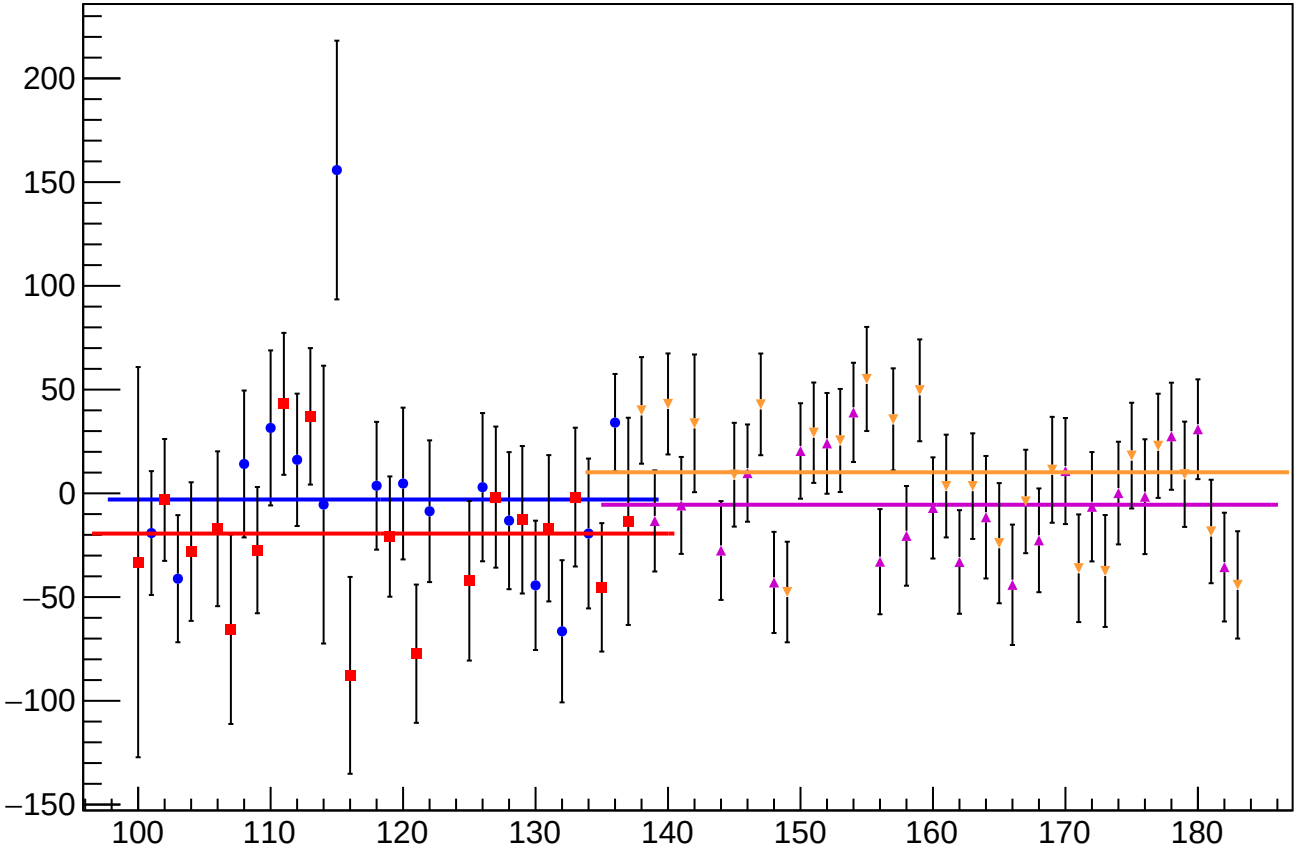
Left In: 180.767+/-0.031 χ^2/NDF:1615622.6/21

+ sign 197.115+/-0.029 χ^2/NDF: 2690348.2/38

All: 187.014+/-0.019 χ^2/NDF: 6095740.3/78

- sign 178.456+/-0.026 χ^2/NDF: 3177312.0/39

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 10.163+/-5.311 χ^2/NDF:33.2/22

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

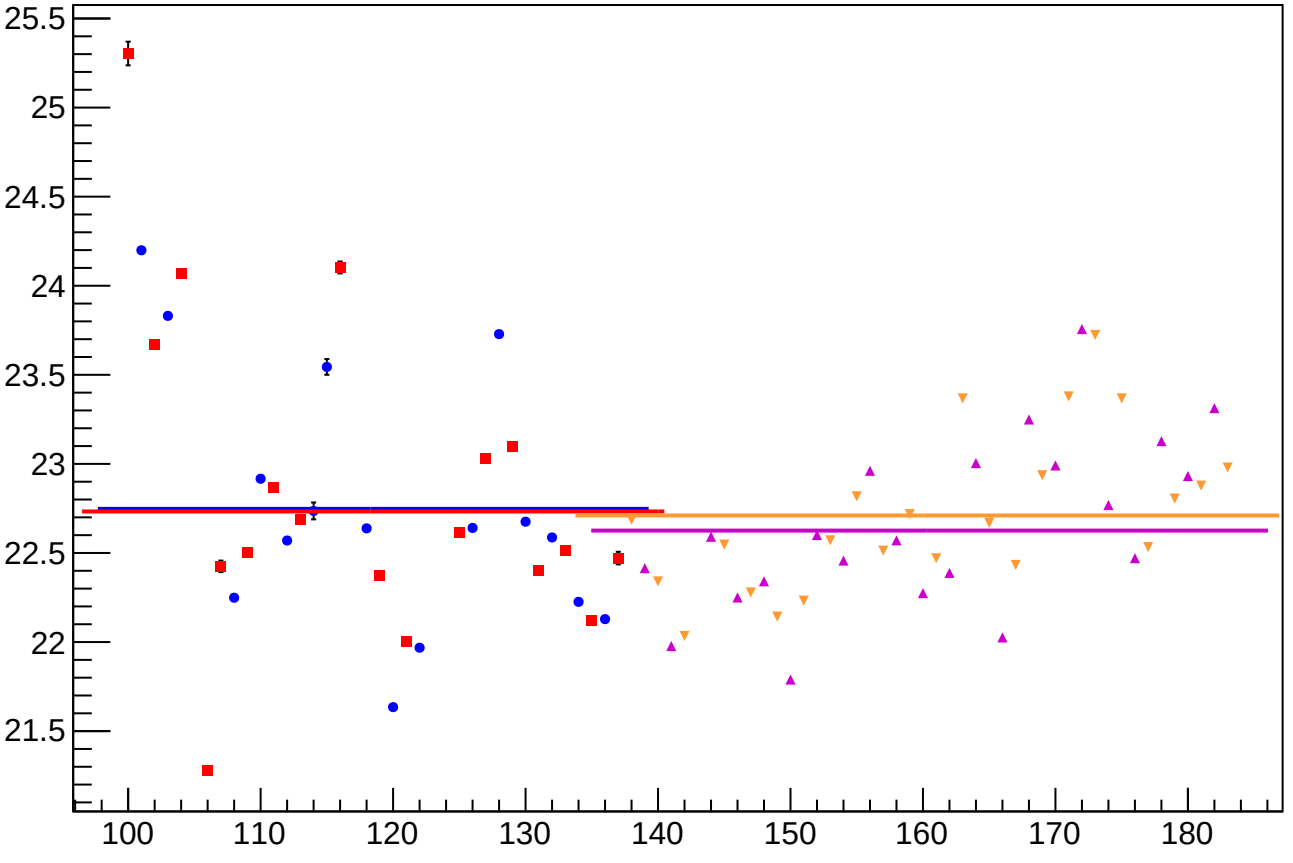
Left In: -5.499+/-5.329 χ^2/NDF:20.7/21

+ sign 6.448+/-4.497 χ^2/NDF: 52.9/38

All: -1.525+/-3.180 χ^2/NDF: 96.4/78

- sign -9.497+/-4.497 χ^2/NDF: 37.2/39

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.710+/-0.004 χ^2/NDF:11956.2/22

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

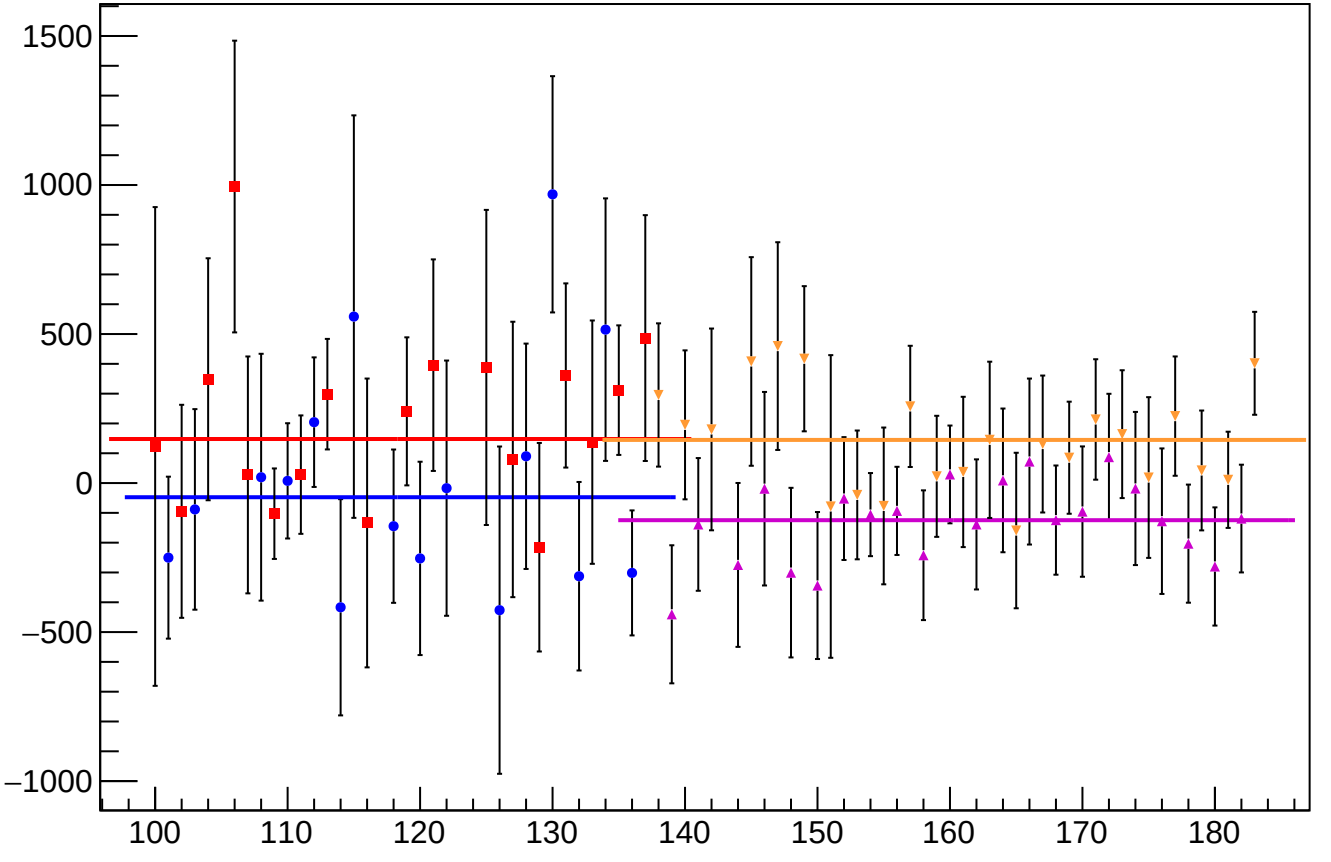
Left In: 22.626+/-0.004 χ^2/NDF:15286.4/21

+ sign 22.721+/-0.003 χ^2/NDF: 26606.4/38

All: 22.689+/-0.002 χ^2/NDF: 56720.8/78

- sign 22.657+/-0.003 χ^2/NDF: 29909.3/39

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 144.751+/-47.819 χ^2/NDF:10.7/22

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

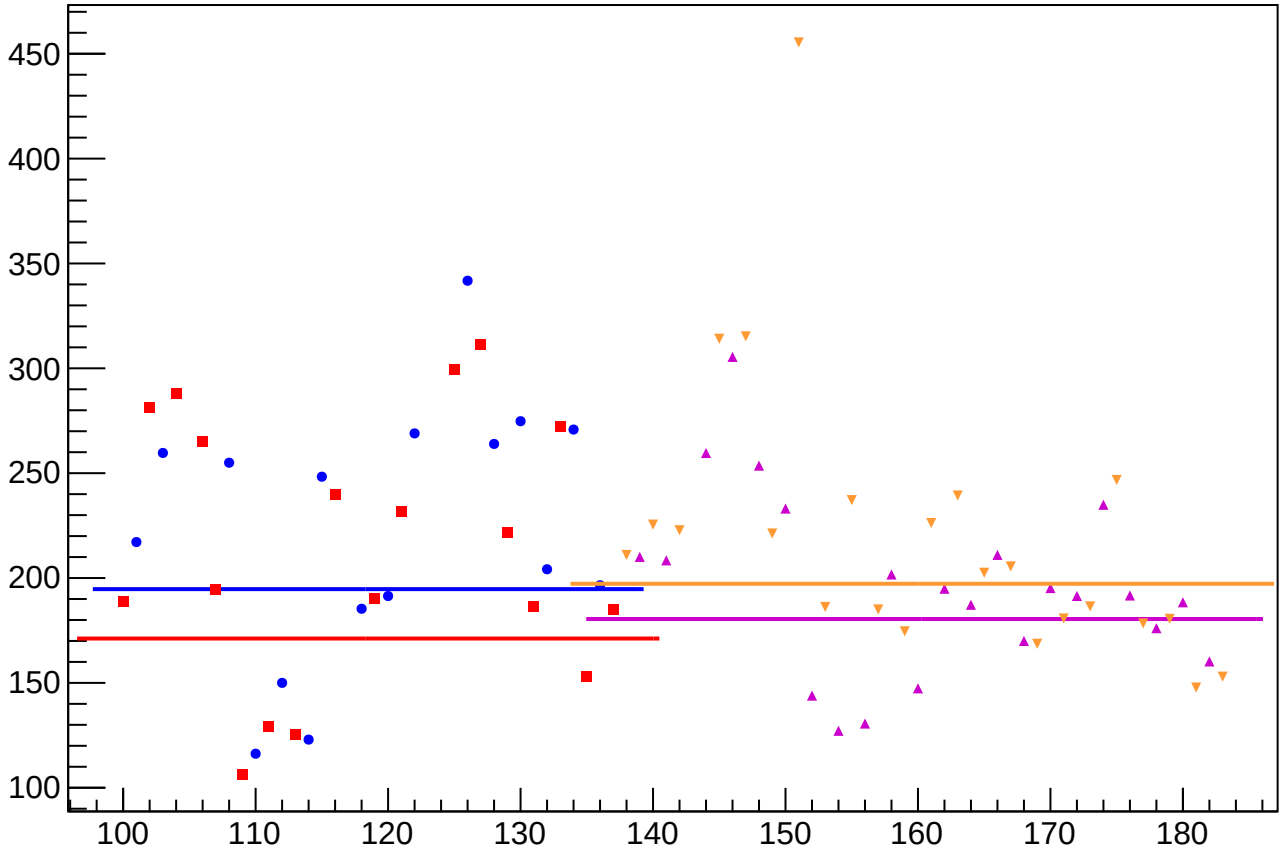
Left In: -124.586+/-44.424 χ^2/NDF:7.6/21

+ sign 90.803+/-40.559 χ^2/NDF: 30.6/38

All: 17.656+/-27.454 χ^2/NDF: 66.8/78

- sign -44.201+/-37.298 χ^2/NDF: 30.2/39

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 197.266+/-0.034 χ^2/NDF:1680064.9/22

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

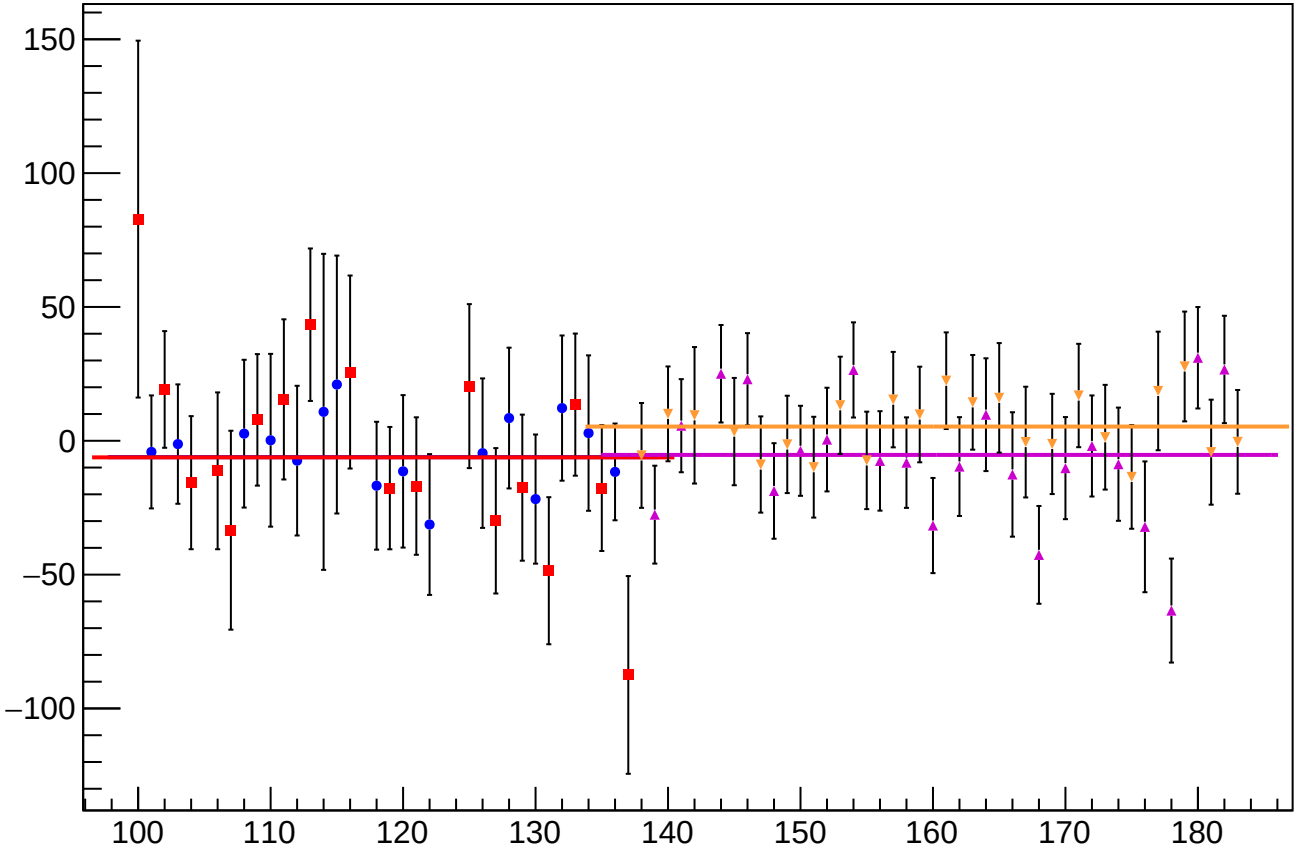
Left In: 180.459+/-0.031 χ^2/NDF:1611293.0/21

\+ sign 196.548+/-0.029 χ^2/NDF: 2733959.3/38

All: 186.343+/-0.019 χ^2/NDF: 6216739.6/78

\- sign 177.713+/-0.026 χ^2/NDF: 3249106.7/39

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.313+/-3.998 χ^2/NDF:7.7/22

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

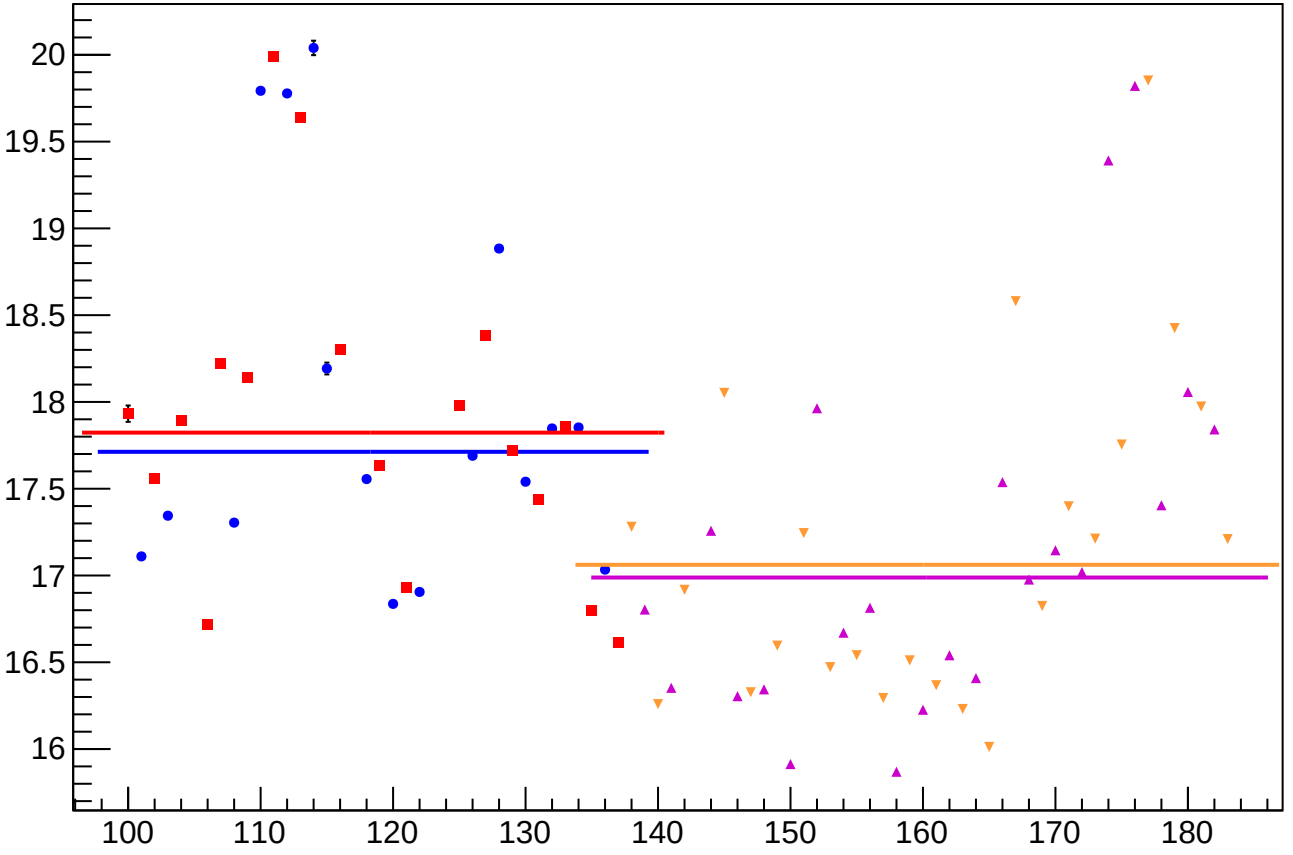
Left In: -5.276+/-4.011 χ^2/NDF:34.8/21

+ sign 2.239+/-3.418 χ^2/NDF: 13.1/38

All: -1.636+/-2.419 χ^2/NDF: 69.1/78

- sign -5.525+/-3.425 χ^2/NDF: 53.4/39

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.062+/-0.003 χ^2/NDF:95532.7/22

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

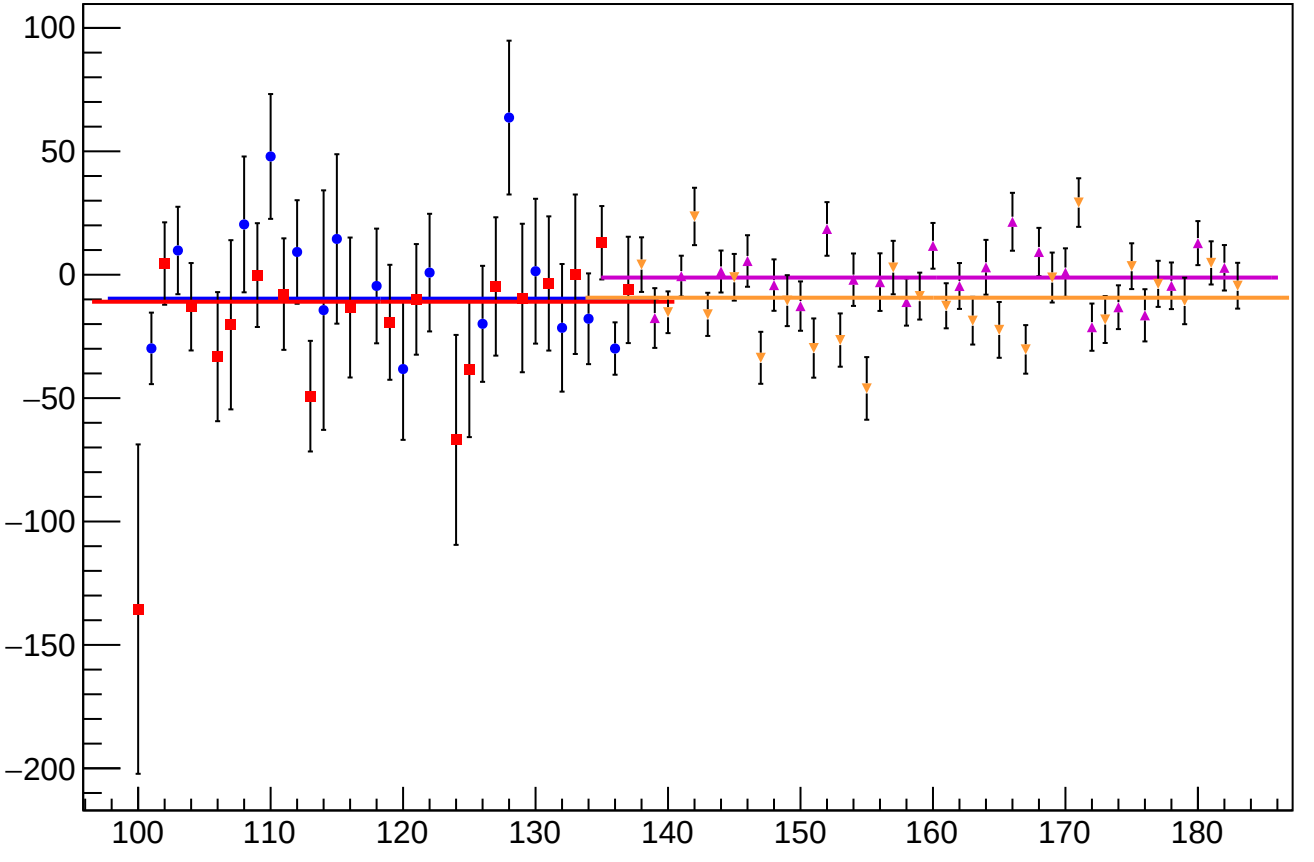
Left In: 16.988+/-0.003 χ^2/NDF:103122.3/21

+ sign 17.237+/-0.002 χ^2/NDF: 145772.9/38

All: 17.226+/-0.002 χ^2/NDF: 304916.4/78

- sign 17.214+/-0.002 χ^2/NDF: 159100.9/39

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -9.317+/-2.022 χ^2/NDF:60.7/23

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

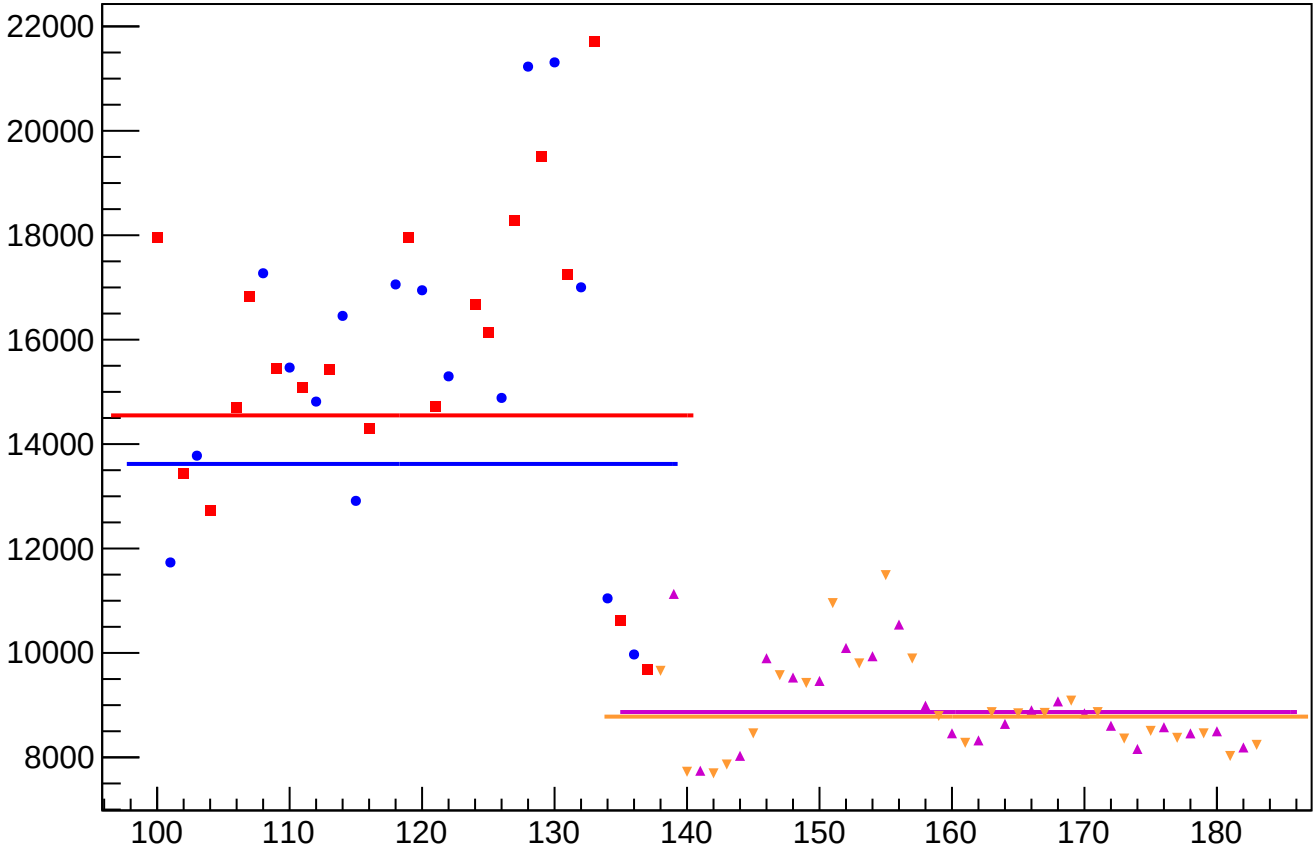
Left In: -1.153+/-2.100 χ^2/NDF:26.3/21

+ sign -9.367+/-1.886 χ^2/NDF: 82.7/39

All: -6.027+/-1.359 χ^2/NDF: 132.4/80

- sign -2.424+/-1.959 χ^2/NDF: 43.2/40

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8780.088+/-1.430 χ^2/NDF:342204.6/23

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

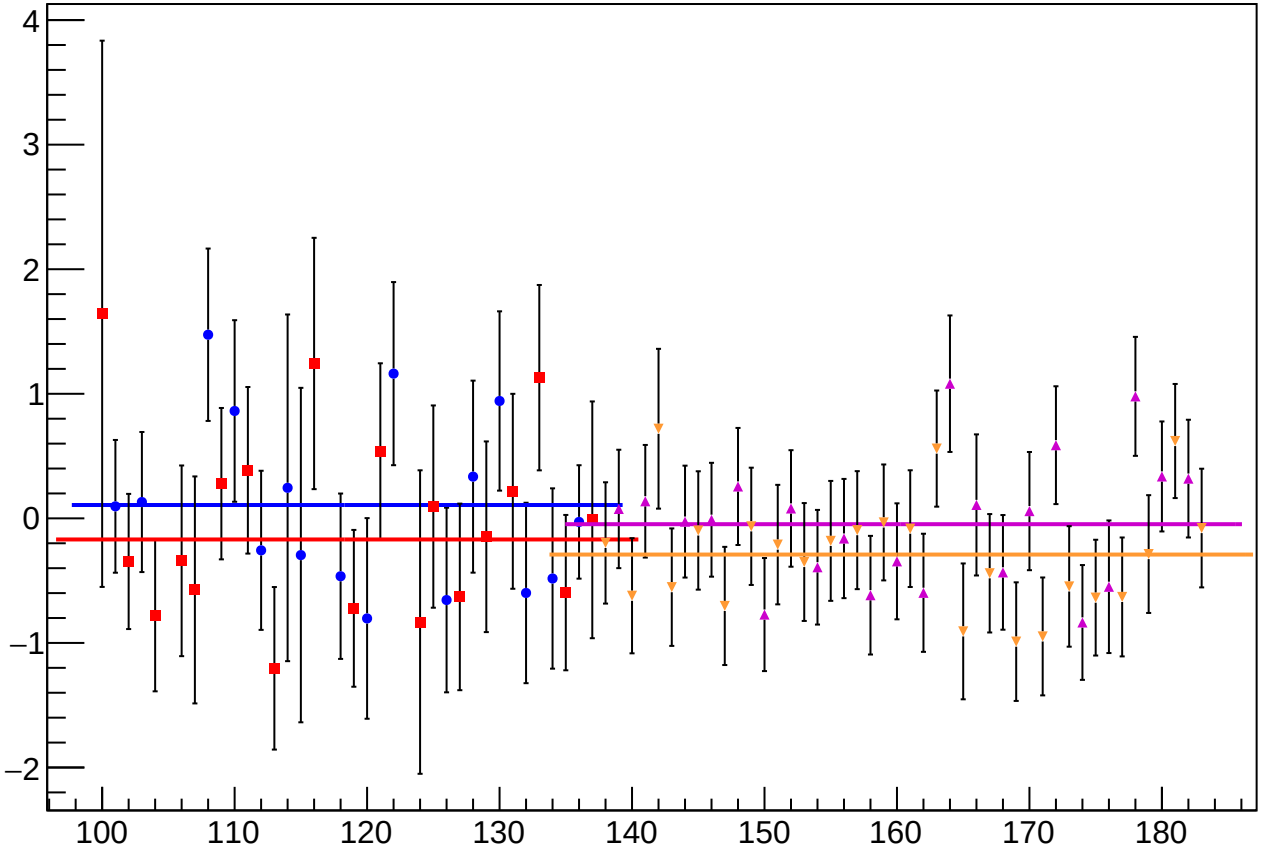
Left In: 8868.290+/-1.485 χ^2/NDF:294341.6/21

+ sign 9409.309+/-1.334 χ^2/NDF: 2578399.5/39

All: 9503.954+/-0.961 χ^2/NDF: 5339918.0/80

- sign 9606.029+/-1.385 χ^2/NDF: 2751053.0/40

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.291+/-0.098 χ^2/NDF:19.6/23

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

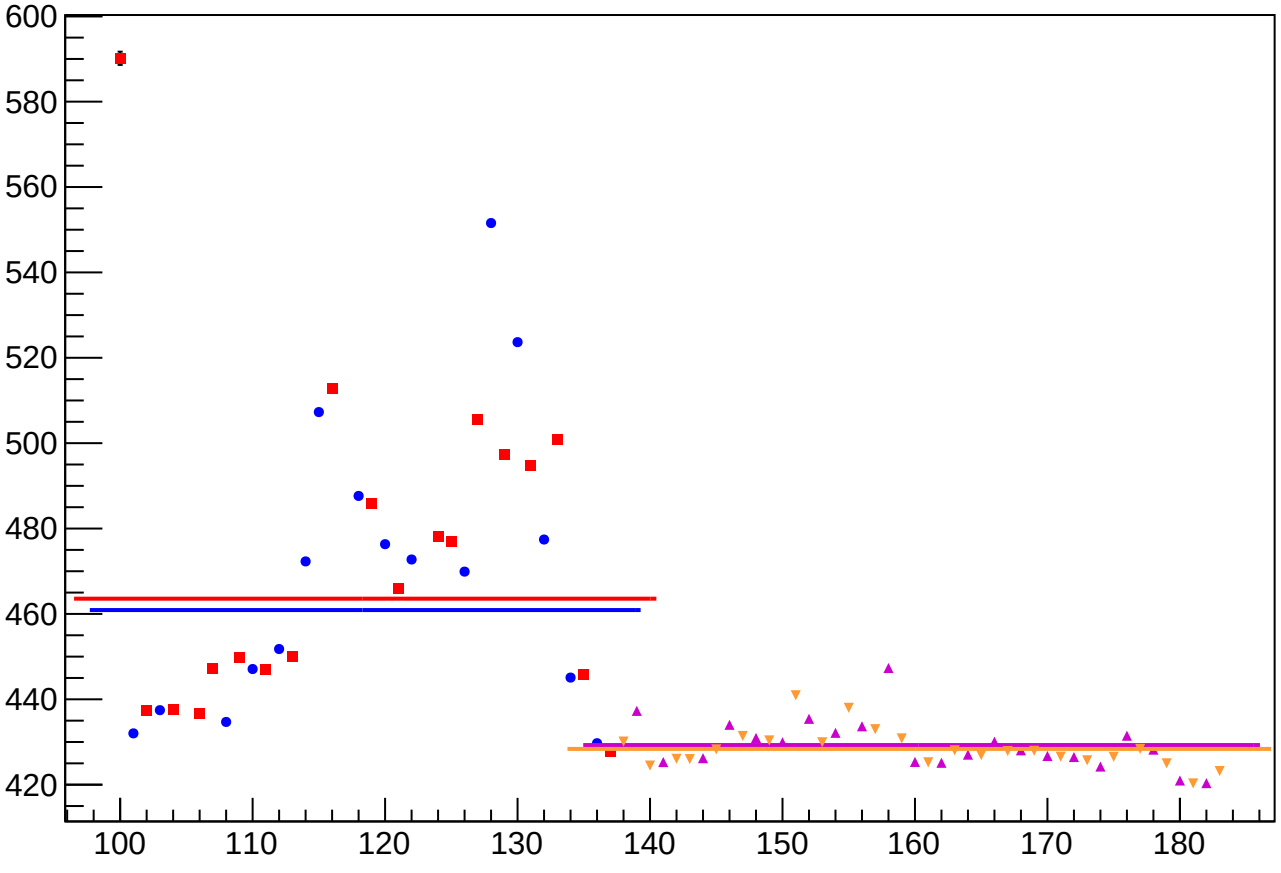
Left In: -0.047+/-0.101 χ^2/NDF:23.8/21

+ sign -0.193+/-0.085 χ^2/NDF: 37.3/39

All: -0.137+/-0.061 χ^2/NDF: 76.4/80

- sign -0.079+/-0.087 χ^2/NDF: 38.2/40

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 428.381+/-0.069 χ^2/NDF:3994.0/23

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

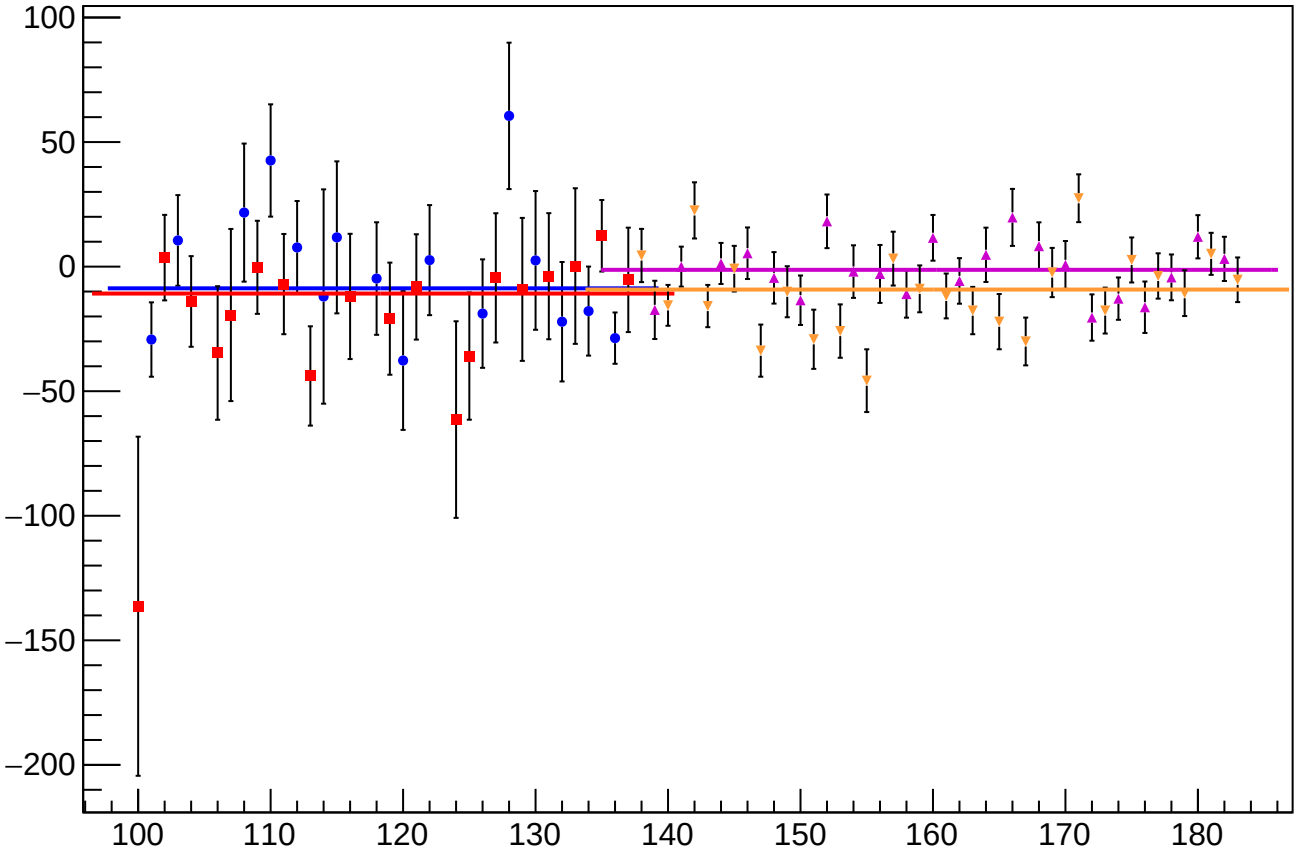
Left In: 429.288+/-0.071 χ^2/NDF:6707.5/21

+ sign 436.369+/-0.060 χ^2/NDF: 133060.5/39

All: 437.308+/-0.043 χ^2/NDF: 252839.9/80

- sign 438.286+/-0.061 χ^2/NDF: 119282.5/40

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -9.201+/-1.977 χ^2/NDF:60.2/23

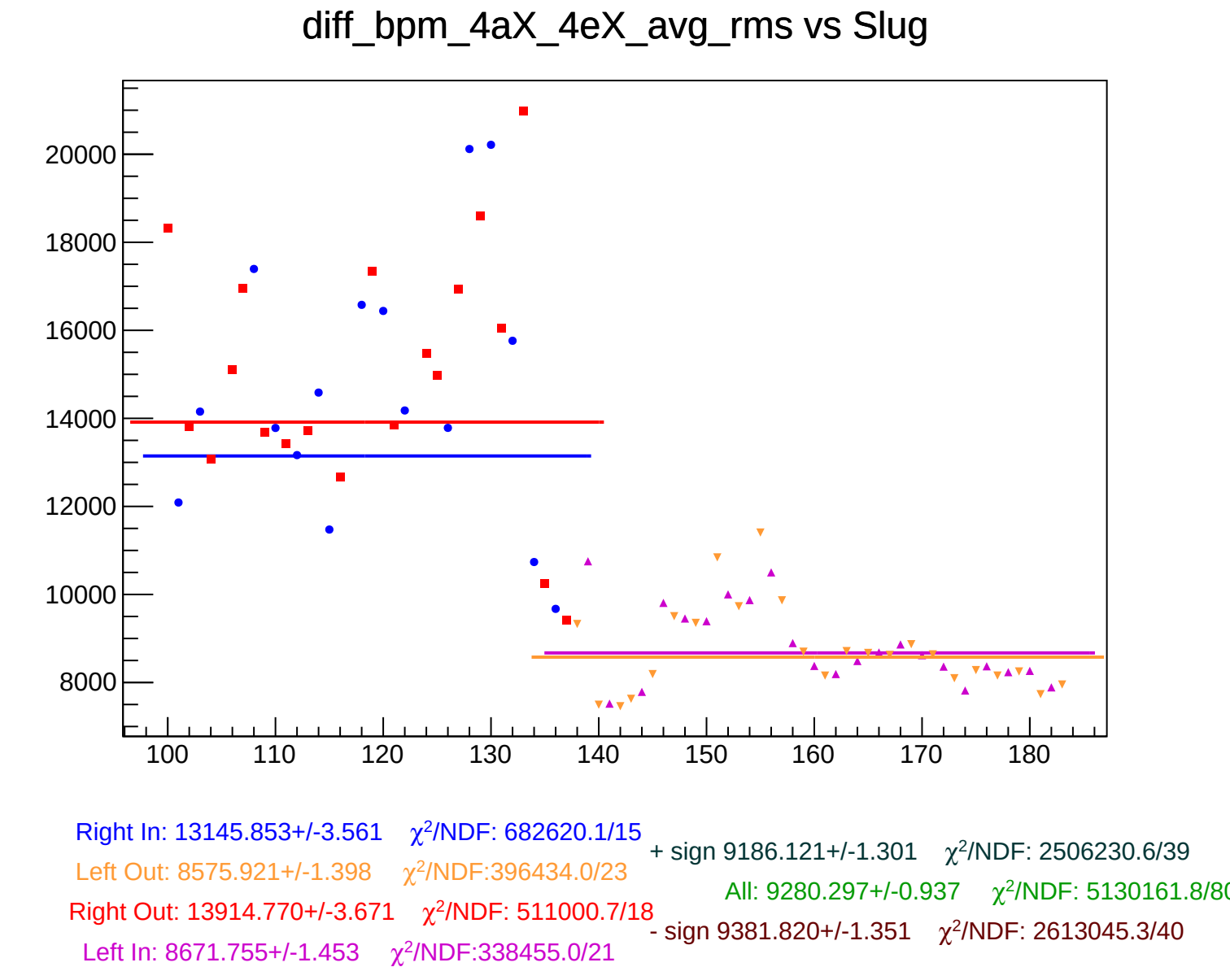
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -1.285+/-2.055 χ^2/NDF:26.2/21

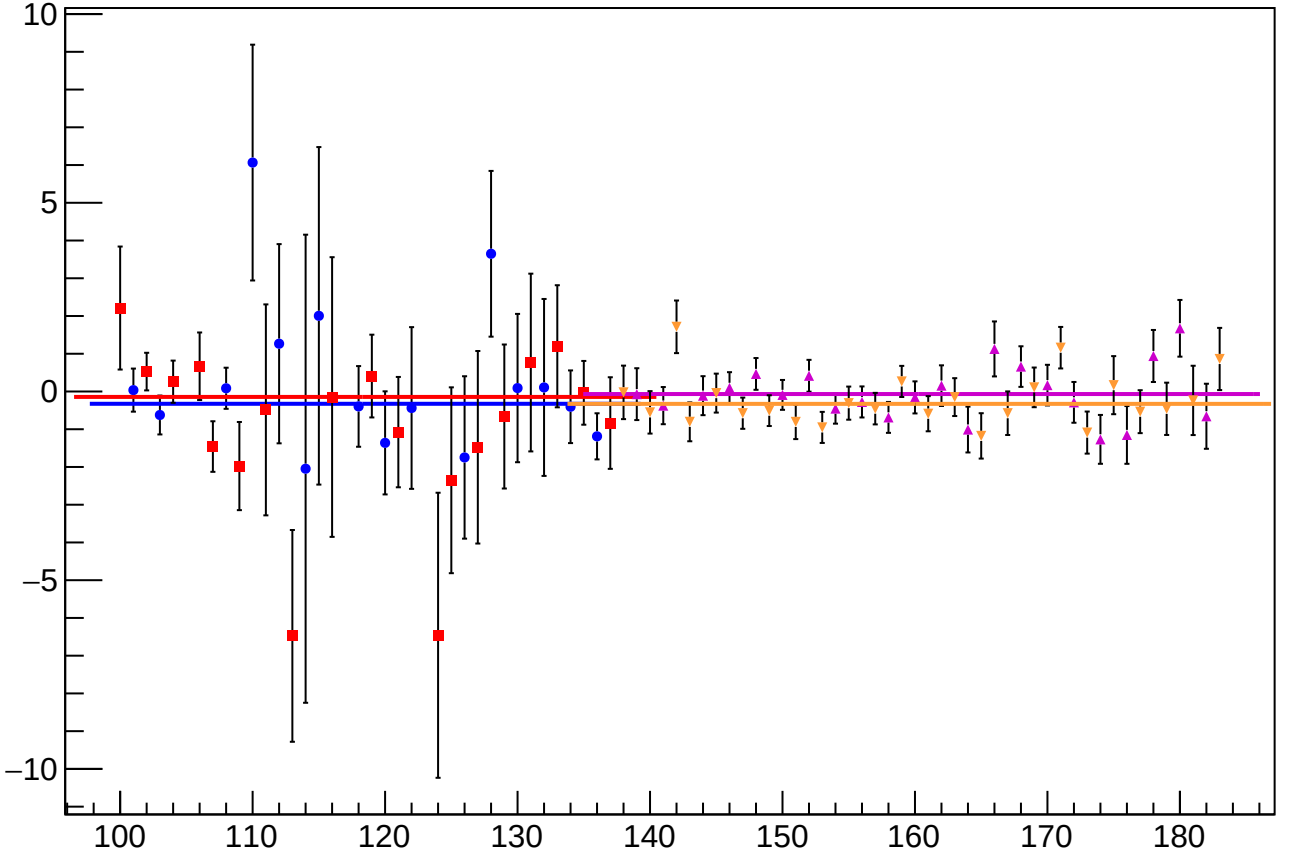
+ sign -9.135+/-1.840 χ^2/NDF: 82.4/39

All: -5.978+/-1.325 χ^2/NDF: 131.6/80

- sign -2.575+/-1.911 χ^2/NDF: 43.0/40


diff_bpm_4aX_4eX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8575.921+/-1.398 χ²/NDF:396434.0/23
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8671.755+/-1.453 χ²/NDF:338455.0/21
+ sign 9186.121+/-1.301 χ²/NDF: 2506230.6/39
All: 9280.297+/-0.937 χ²/NDF: 5130161.8/80
- sign 9381.820+/-1.351 χ²/NDF: 2613045.3/40

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.328+/-0.107 χ^2/NDF:31.4/23

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

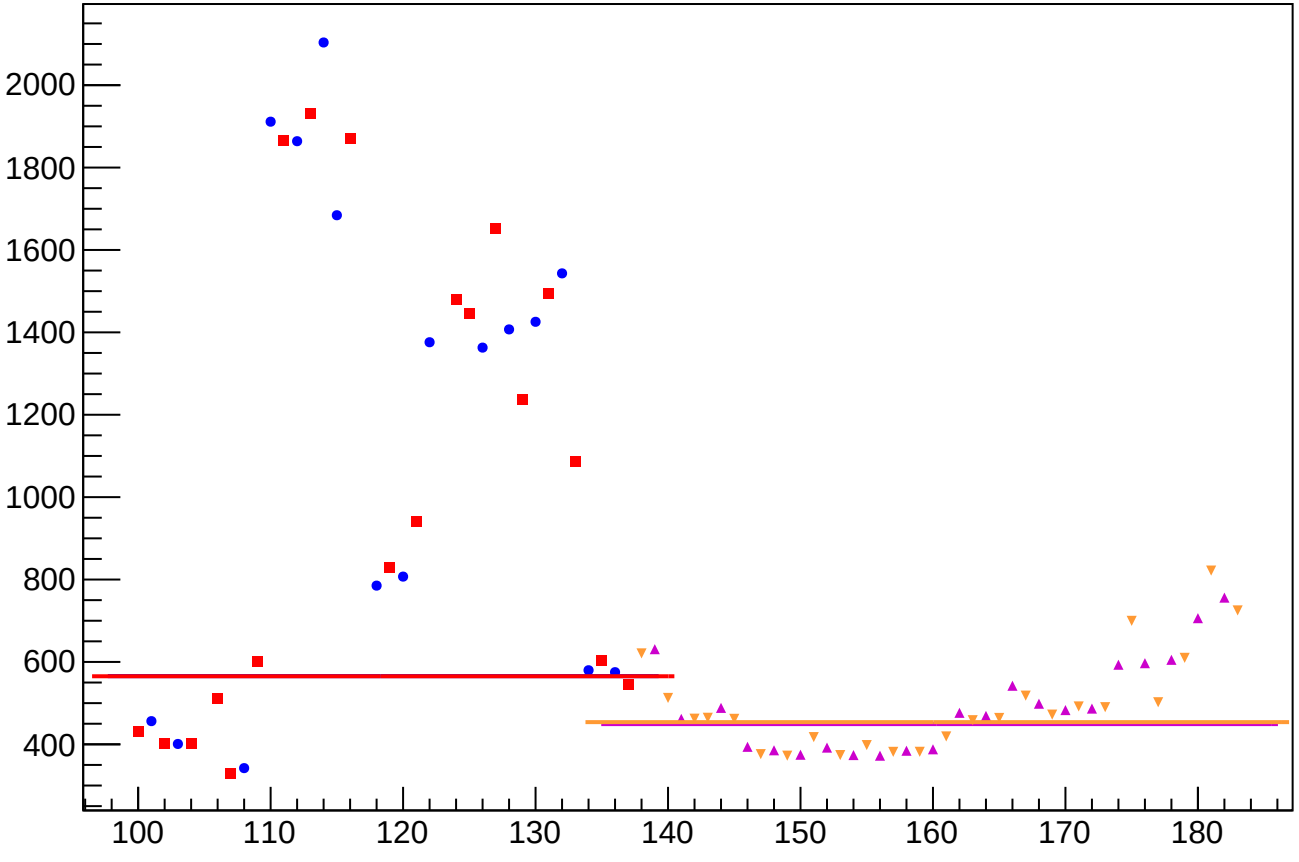
Left In: -0.067+/-0.109 χ^2/NDF:27.9/21

+ sign -0.328+/-0.098 χ^2/NDF: 43.9/39

All: -0.206+/-0.070 χ^2/NDF: 97.5/80

- sign -0.080+/-0.099 χ^2/NDF: 50.4/40

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 453.901+/-0.075 χ^2/NDF:1440560.0/23

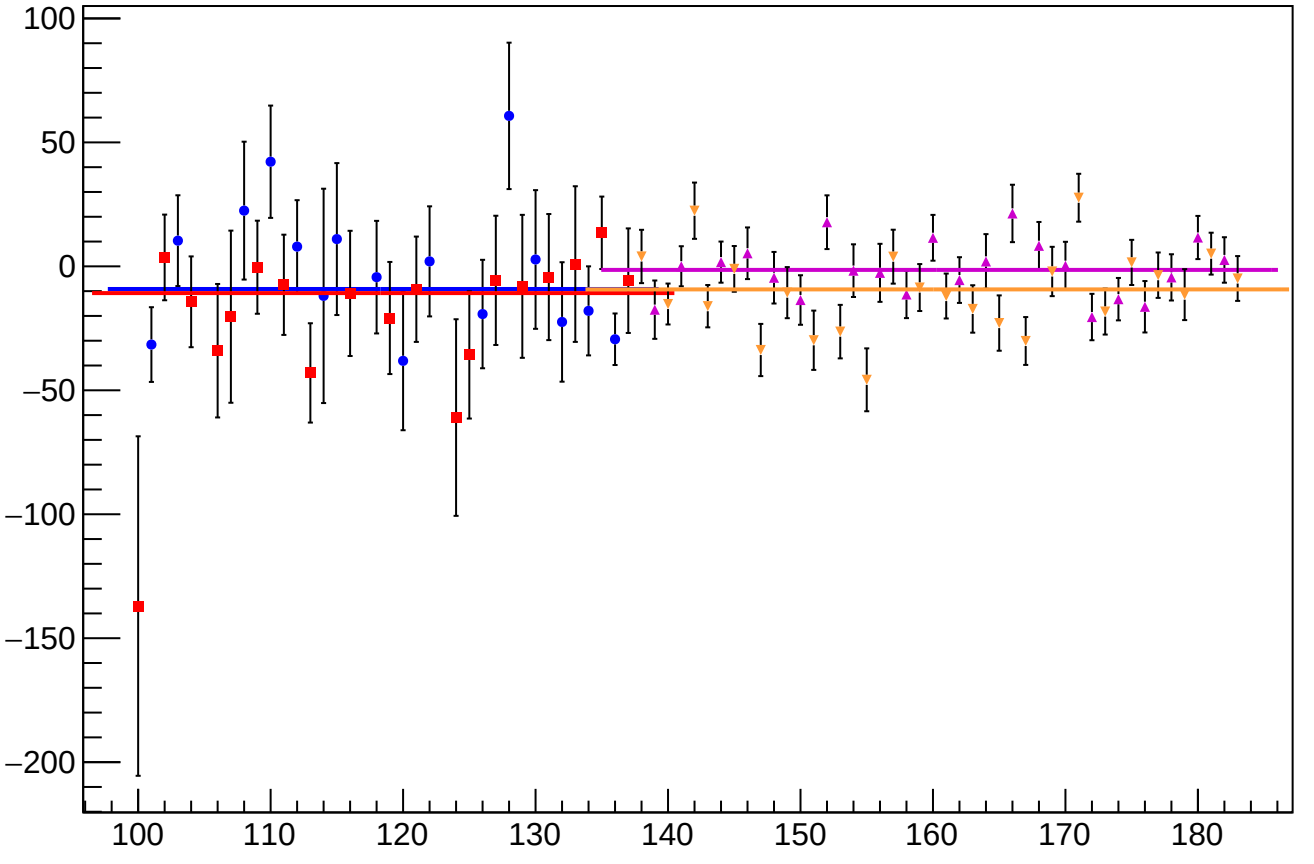
Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

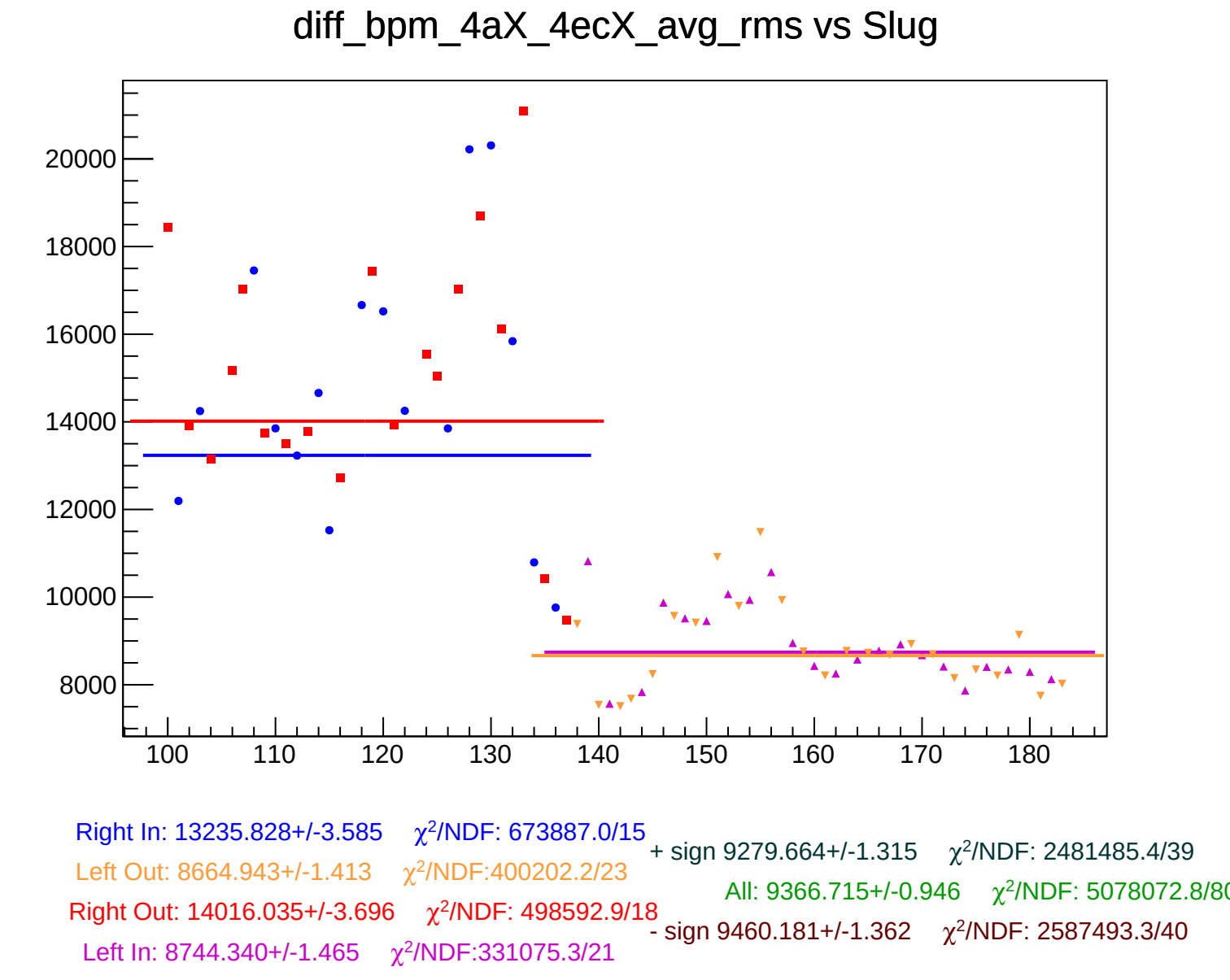
Left In: 449.097+/-0.077 χ^2/NDF:1411978.4/21

+ sign 471.757+/-0.069 χ^2/NDF: 5242381.8/39

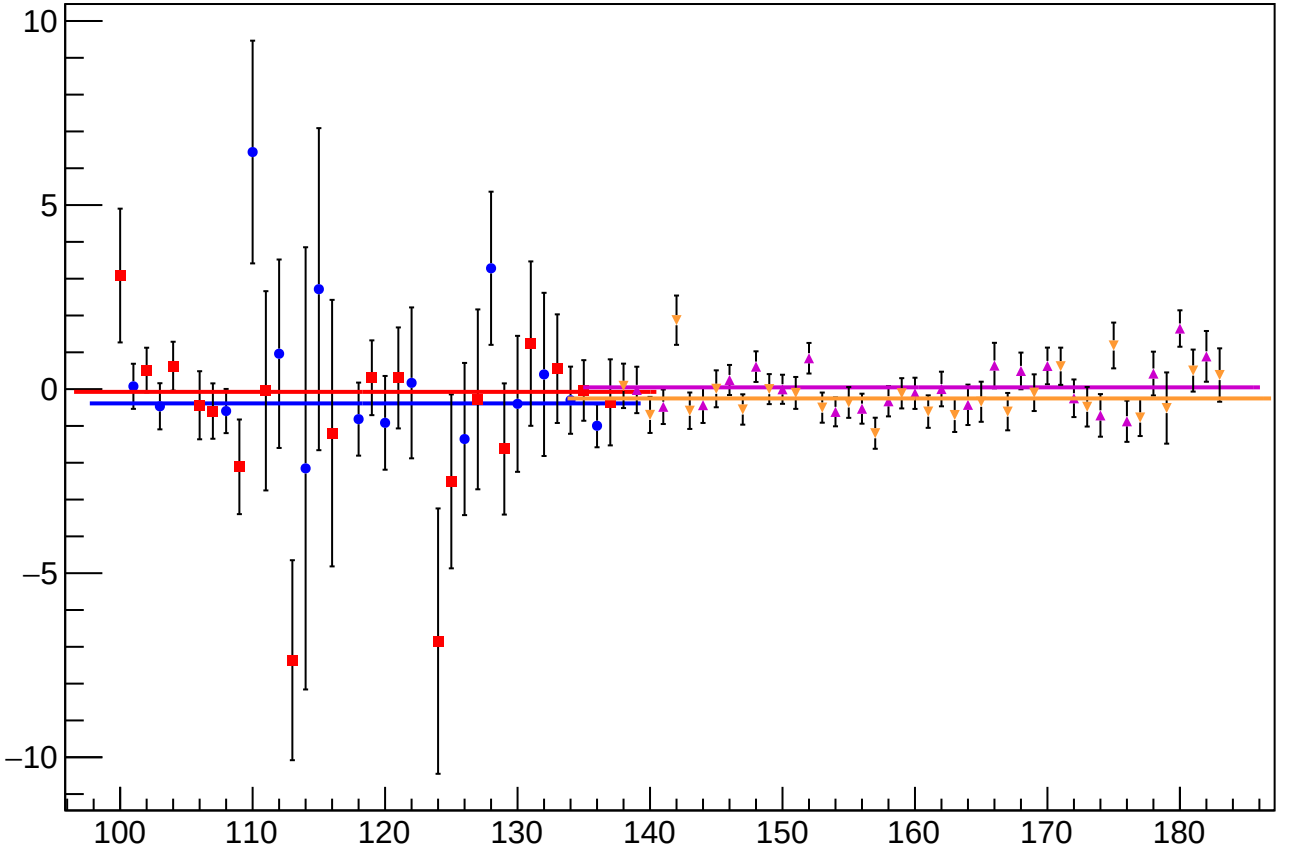
All: 470.027+/-0.049 χ^2/NDF: 10604450.1/80

- sign 468.241+/-0.070 χ^2/NDF: 5360792.0/40


diff_bpm_4aX_4ecX_avg_mean vs Slug
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -9.299+/-1.998 χ²/NDF:59.9/23
Right Out: -10.788+/-5.227 χ²/NDF: 13.7/18
Left In: -1.433+/-2.072 χ²/NDF:26.1/21
+ sign -9.277+/-1.859 χ²/NDF: 82.7/39
All: -6.107+/-1.338 χ²/NDF: 131.2/80
- sign -2.703+/-1.926 χ²/NDF: 42.5/40


diff_bpm_4aX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8664.943+/-1.413 χ²/NDF:400202.2/23
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8744.340+/-1.465 χ²/NDF:331075.3/21
+ sign 9279.664+/-1.315 χ²/NDF: 2481485.4/39
All: 9366.715+/-0.946 χ²/NDF: 5078072.8/80
- sign 9460.181+/-1.362 χ²/NDF: 2587493.3/40

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.253+/-0.101 χ^2/NDF:33.0/23

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

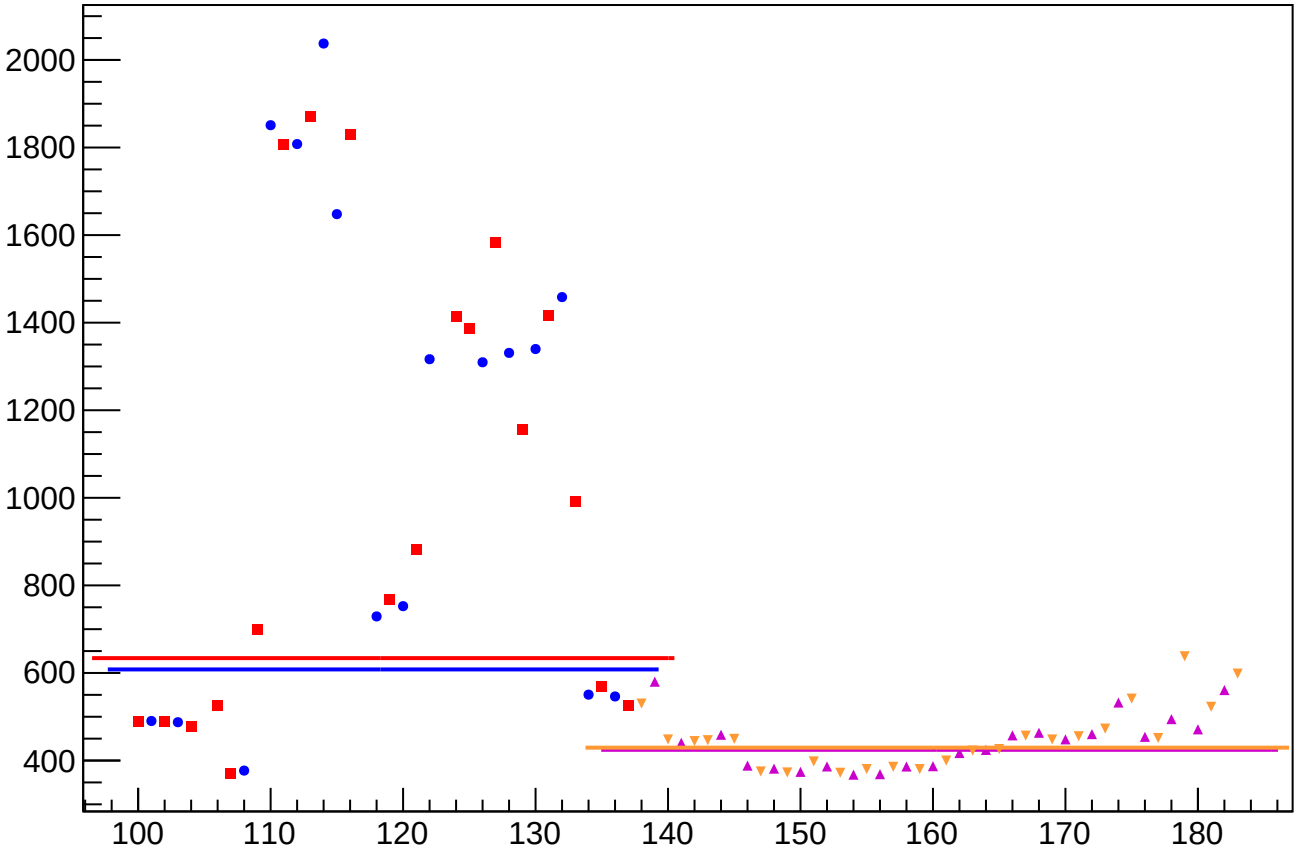
Left In: 0.048+/-0.102 χ^2/NDF:34.8/21

+ sign -0.271+/-0.094 χ^2/NDF: 44.9/39

All: -0.121+/-0.067 χ^2/NDF: 106.8/80

- sign 0.032+/-0.095 χ^2/NDF: 56.7/40

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 429.437+/-0.071 χ^2/NDF:625733.4/23

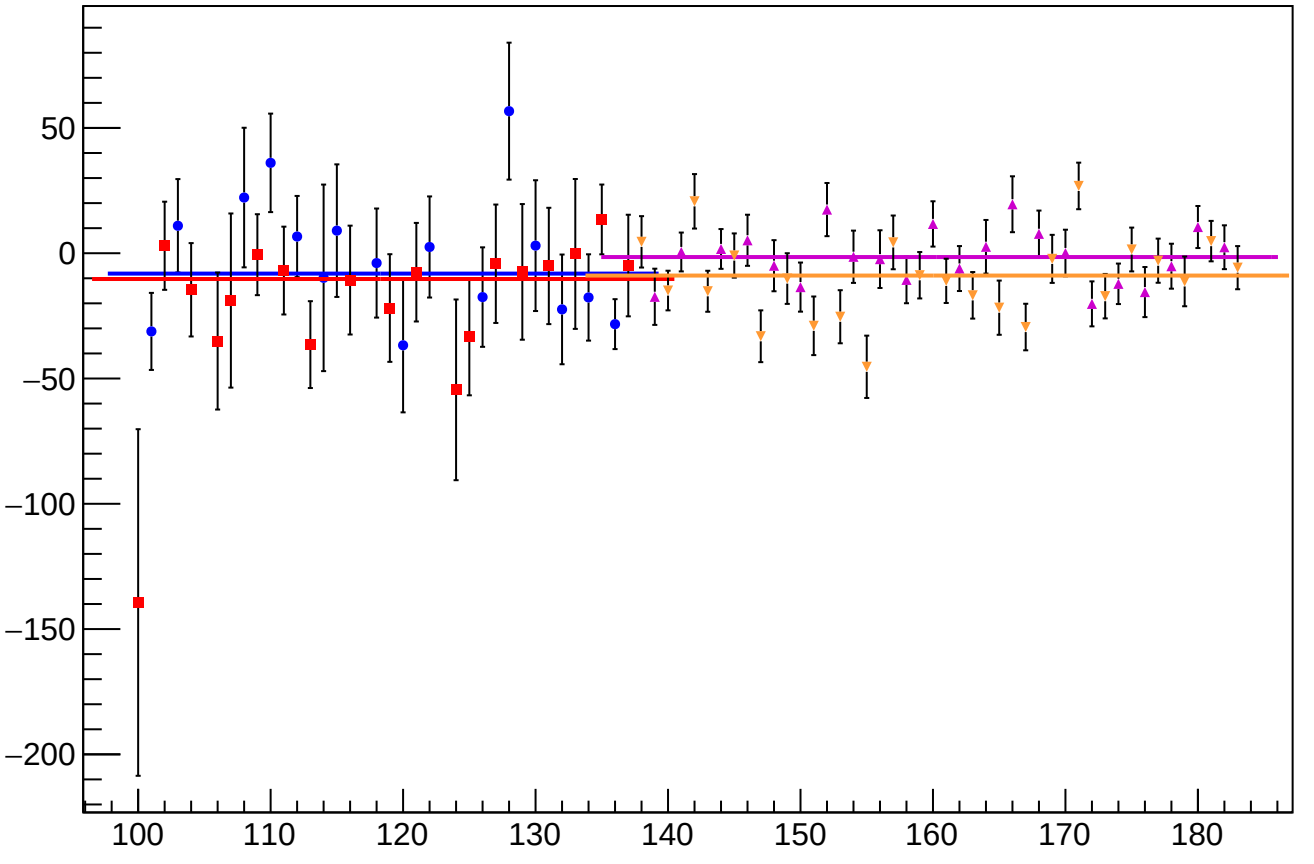
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 424.522+/-0.072 χ^2/NDF:564367.3/21

+ sign 453.402+/-0.066 χ^2/NDF: 4323516.2/39

All: 452.438+/-0.047 χ^2/NDF: 8768482.5/80

- sign 451.449+/-0.067 χ^2/NDF: 4444537.1/40



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -8.912+/-1.929 χ^2/NDF:60.3/23

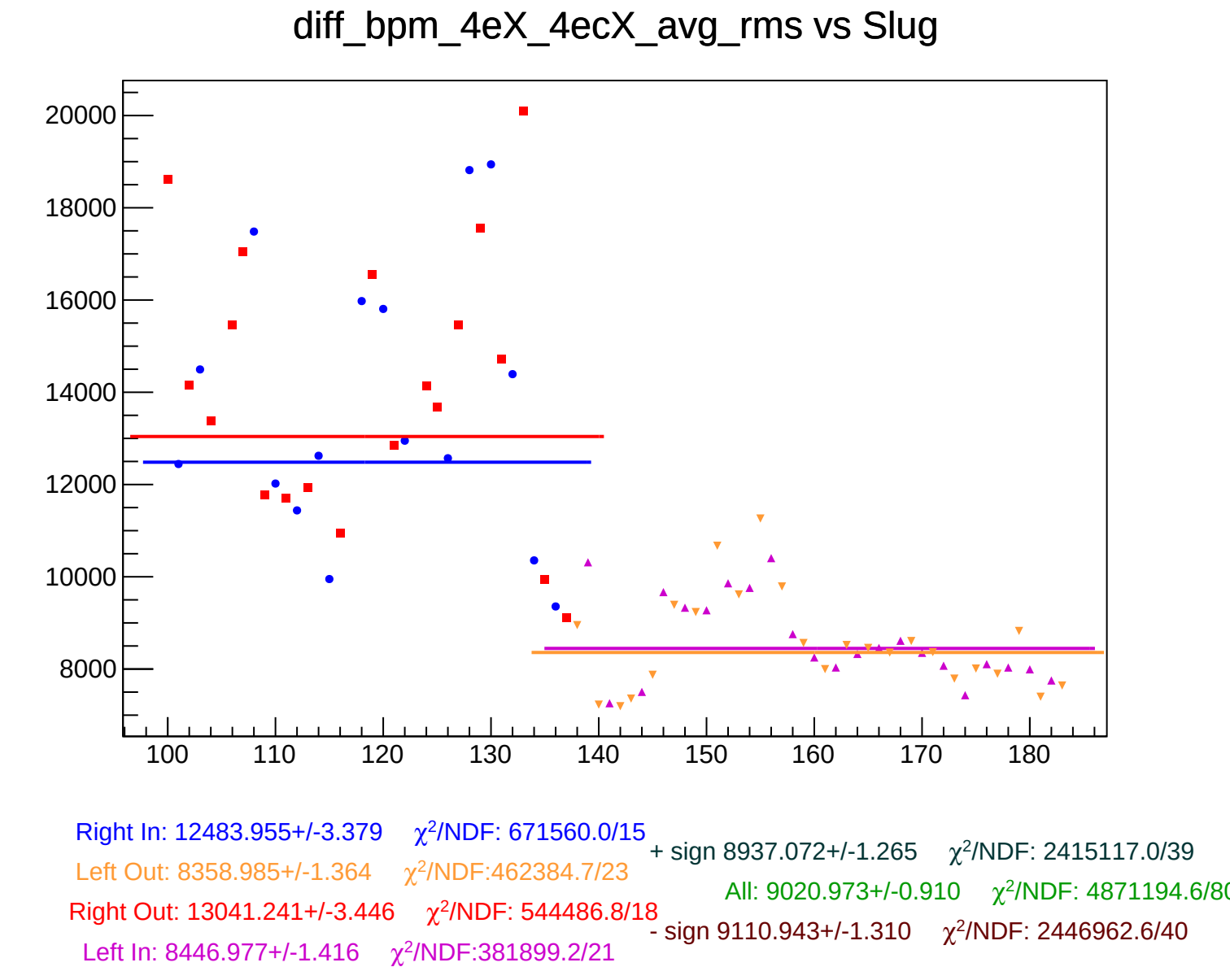
Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: -1.524+/-2.003 χ^2/NDF:26.0/21

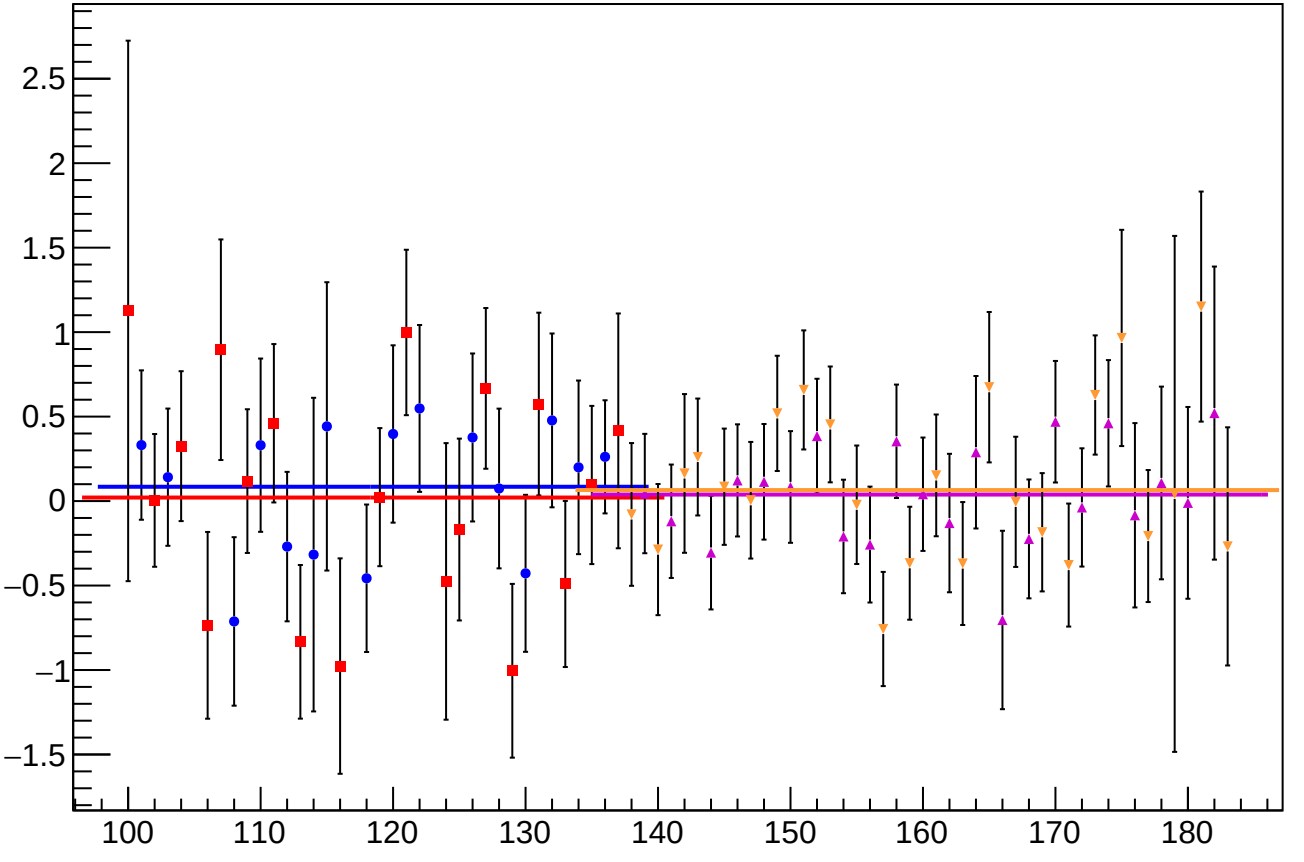
+ sign -8.803+/-1.789 χ^2/NDF: 83.4/39

All: -5.902+/-1.287 χ^2/NDF: 131.3/80

- sign -2.791+/-1.853 χ^2/NDF: 42.5/40


diff_bpm_4eX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8358.985+/-1.364 χ²/NDF:462384.7/23
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8446.977+/-1.416 χ²/NDF:381899.2/21
+ sign 8937.072+/-1.265 χ²/NDF: 2415117.0/39
All: 9020.973+/-0.910 χ²/NDF: 4871194.6/80
- sign 9110.943+/-1.310 χ²/NDF: 2446962.6/40

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.065+/-0.080 χ^2/NDF:28.0/23

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

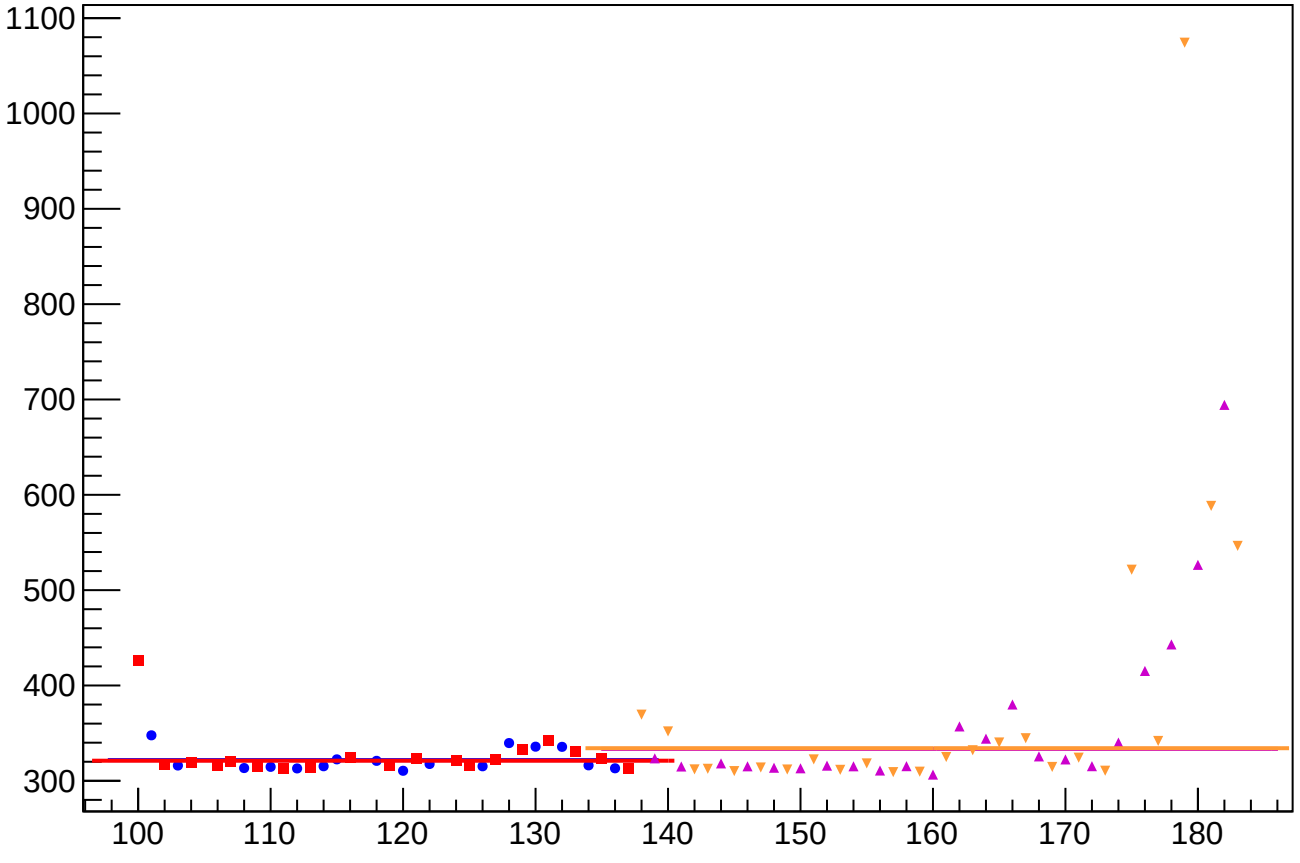
Left In: 0.039+/-0.081 χ^2/NDF:10.8/21

+ sign 0.071+/-0.066 χ^2/NDF: 37.4/39

All: 0.052+/-0.047 χ^2/NDF: 72.7/80

- sign 0.033+/-0.067 χ^2/NDF: 35.1/40

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 334.200+/-0.056 χ^2/NDF:1214035.1/23

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

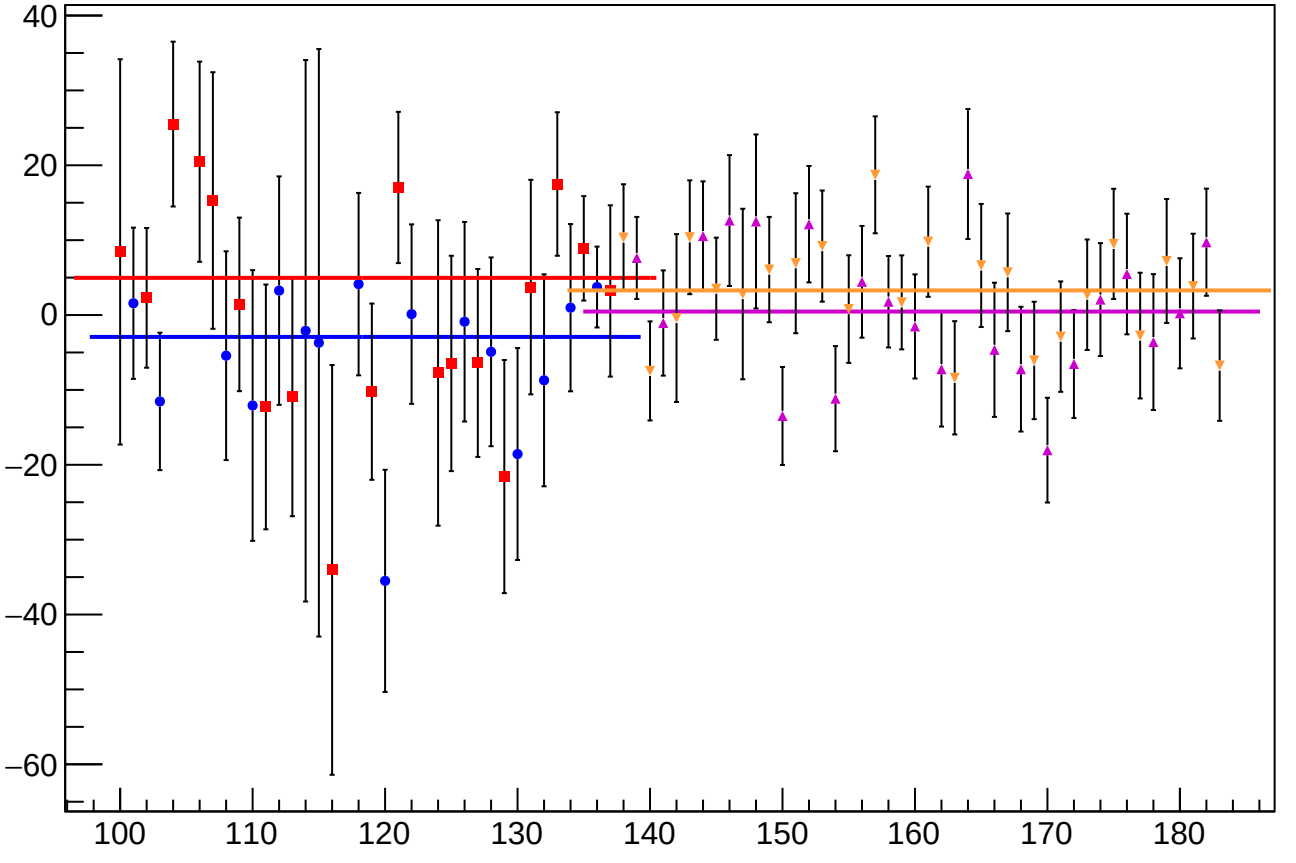
Left In: 333.471+/-0.057 χ^2/NDF:799258.1/21

+ sign 330.387+/-0.047 χ^2/NDF: 1247210.9/39

All: 329.939+/-0.033 χ^2/NDF: 2078286.3/80

- sign 329.488+/-0.047 χ^2/NDF: 830893.1/40

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.289+/-1.554 χ^2/NDF:18.5/23

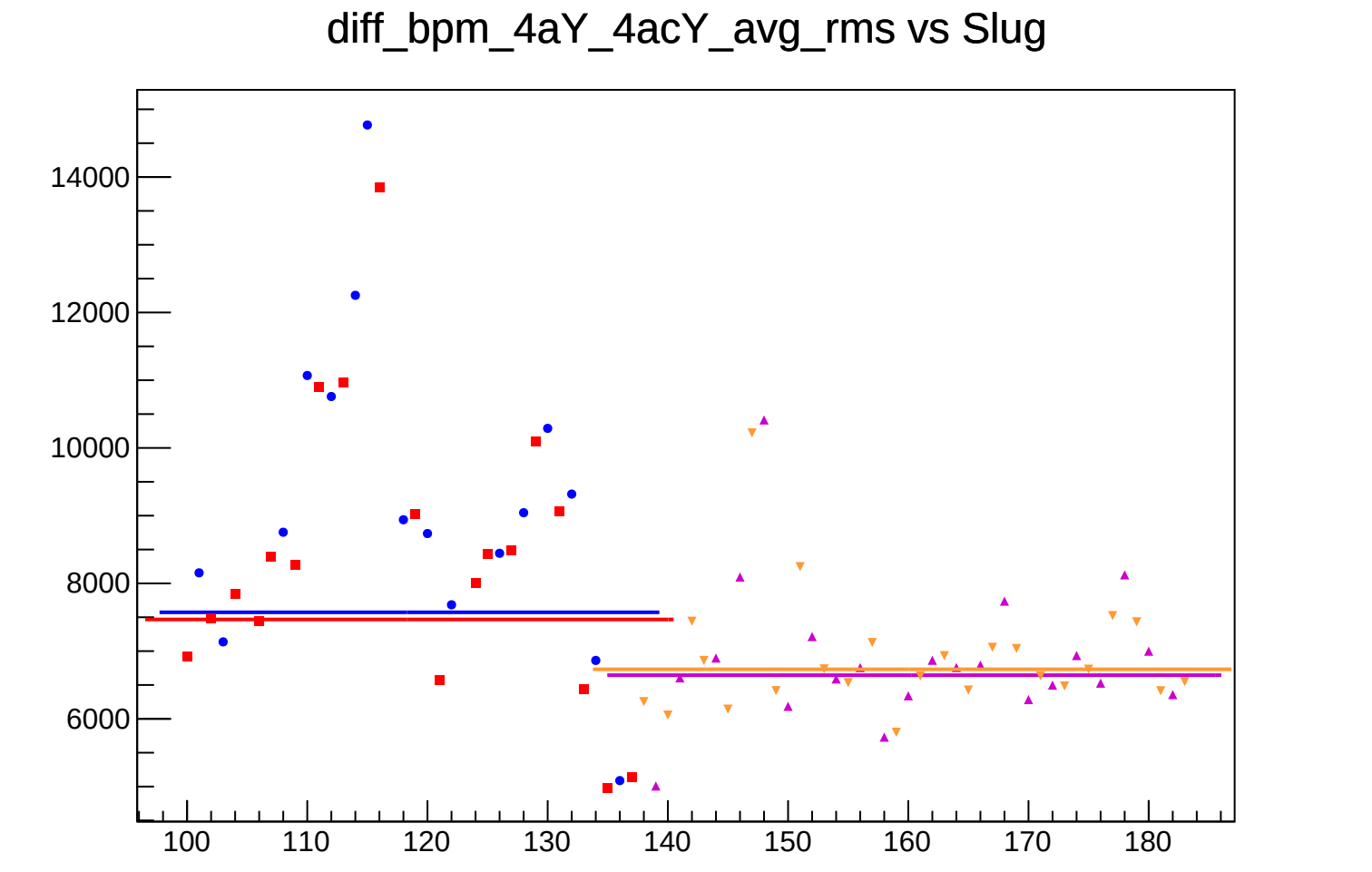
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 0.464+/-1.584 χ^2/NDF:33.5/21

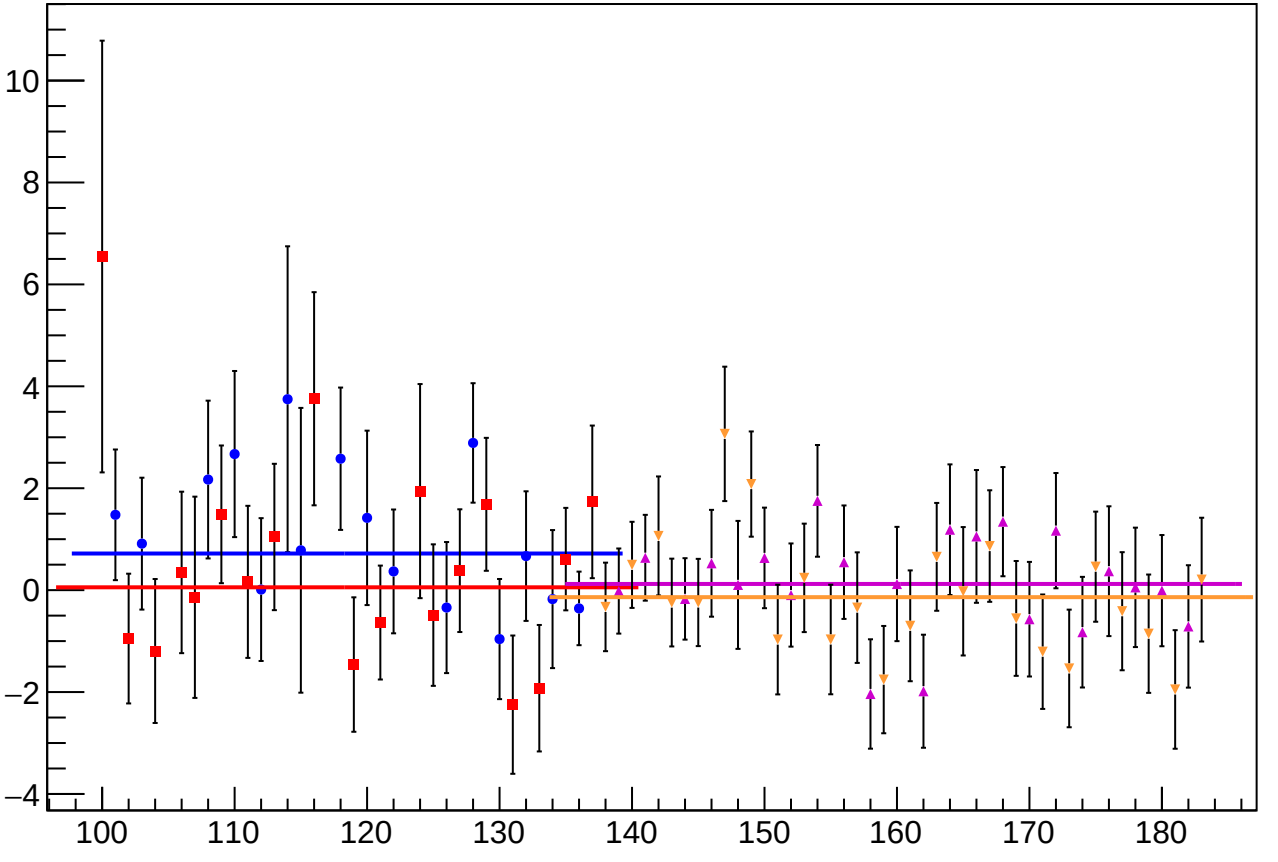
+ sign 1.911+/-1.371 χ^2/NDF: 31.9/39

All: 1.728+/-0.973 χ^2/NDF: 86.8/80

- sign 1.542+/-1.382 χ^2/NDF: 54.9/40


diff_bpm_4aY_4acY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6731.745+/-1.099 χ²/NDF:399365.4/23
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6644.749+/-1.120 χ²/NDF:623727.7/21
+ sign 6918.456+/-0.969 χ²/NDF: 1427032.8/39
All: 6880.376+/-0.688 χ²/NDF: 3011342.5/80
- sign 6841.696+/-0.977 χ²/NDF: 1581199.2/40

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.138+/-0.216 χ^2/NDF:23.4/23

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

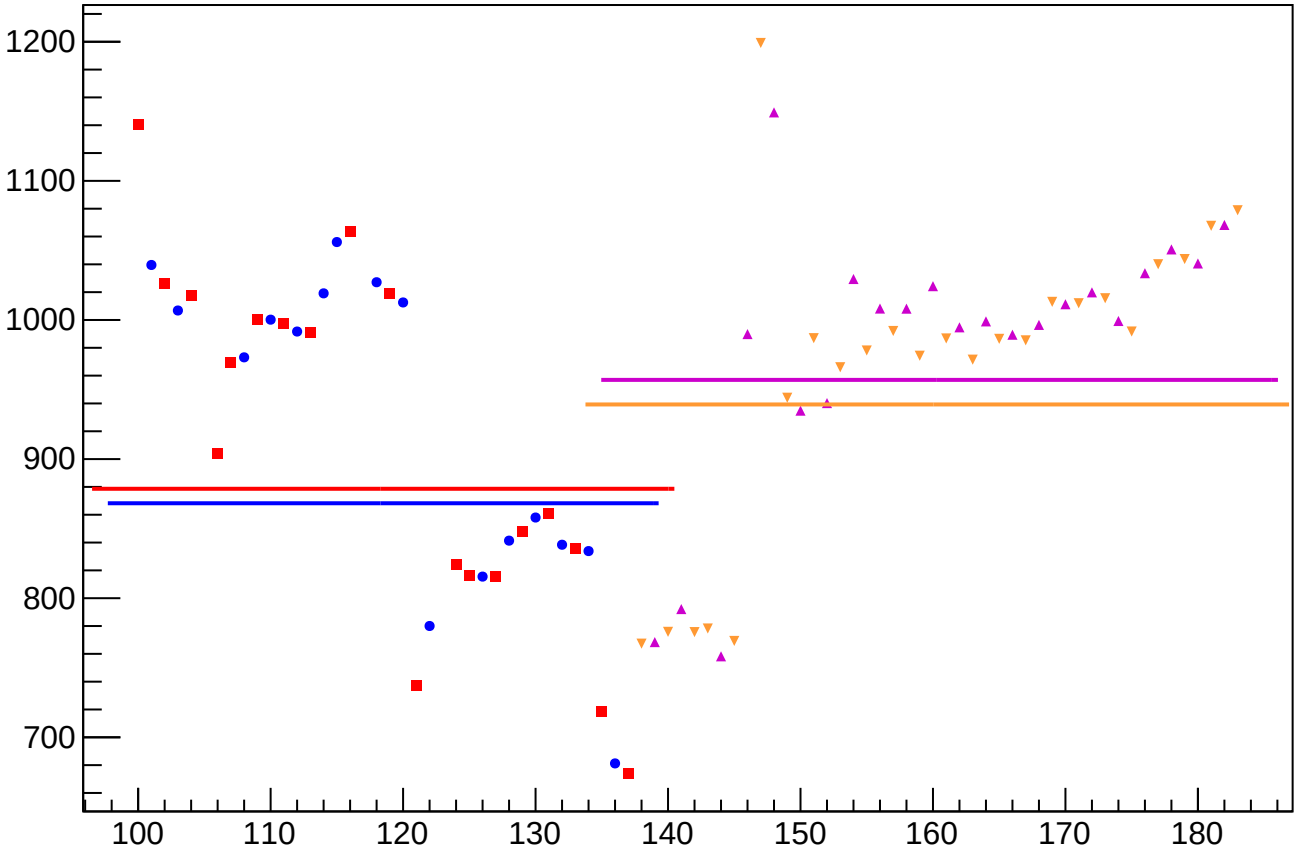
Left In: 0.121+/-0.227 χ^2/NDF:16.0/21

+ sign 0.124+/-0.180 χ^2/NDF: 43.0/39

All: 0.112+/-0.129 χ^2/NDF: 78.8/80

- sign 0.100+/-0.186 χ^2/NDF: 35.9/40

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 939.275+/-0.153 χ^2/NDF:558289.8/23

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

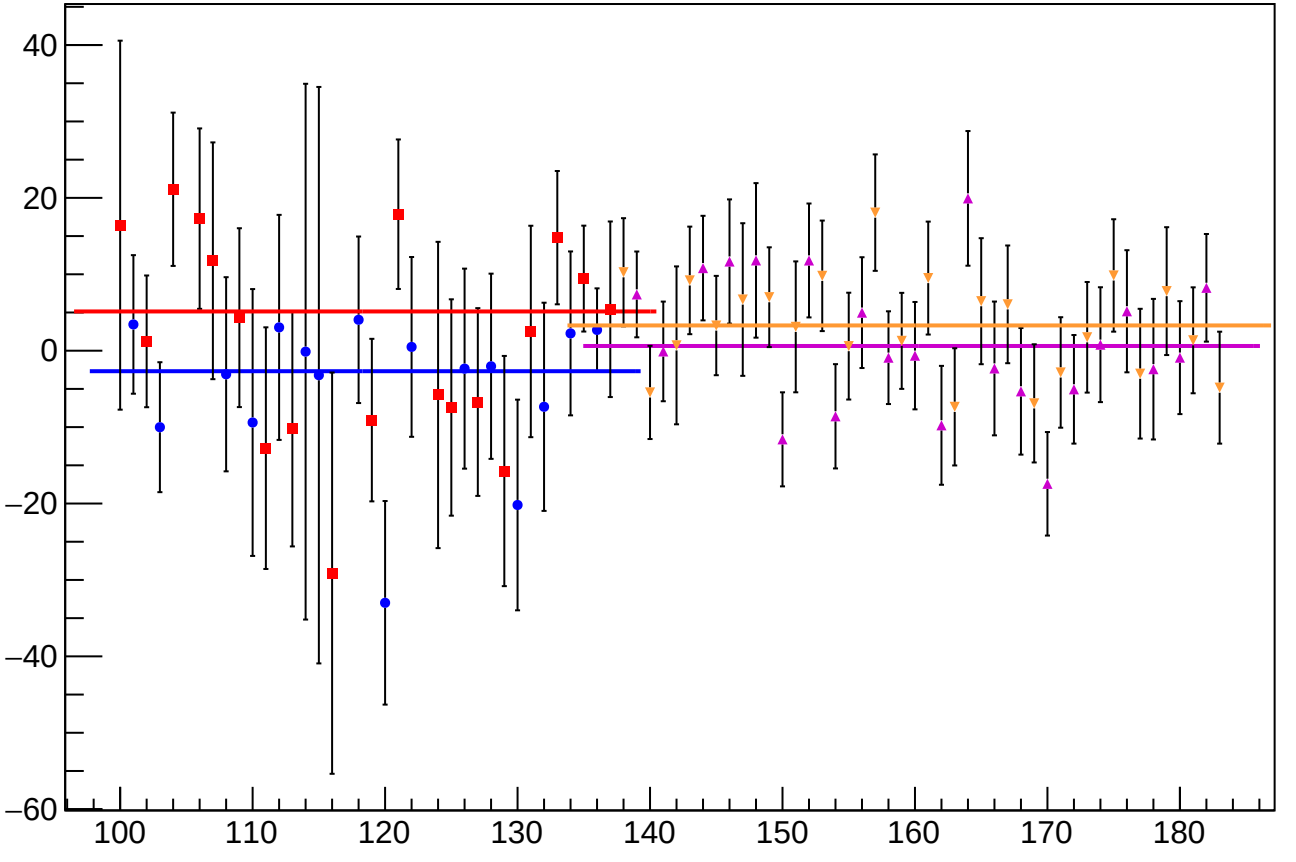
Left In: 956.939+/-0.160 χ^2/NDF:448690.5/21

\+ sign 917.536+/-0.128 χ^2/NDF: 926601.2/39

All: 924.132+/-0.091 χ^2/NDF: 1731897.4/80

\- sign 931.126+/-0.131 χ^2/NDF: 799782.3/40

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.307+/-1.512 χ^2/NDF:17.4/23

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

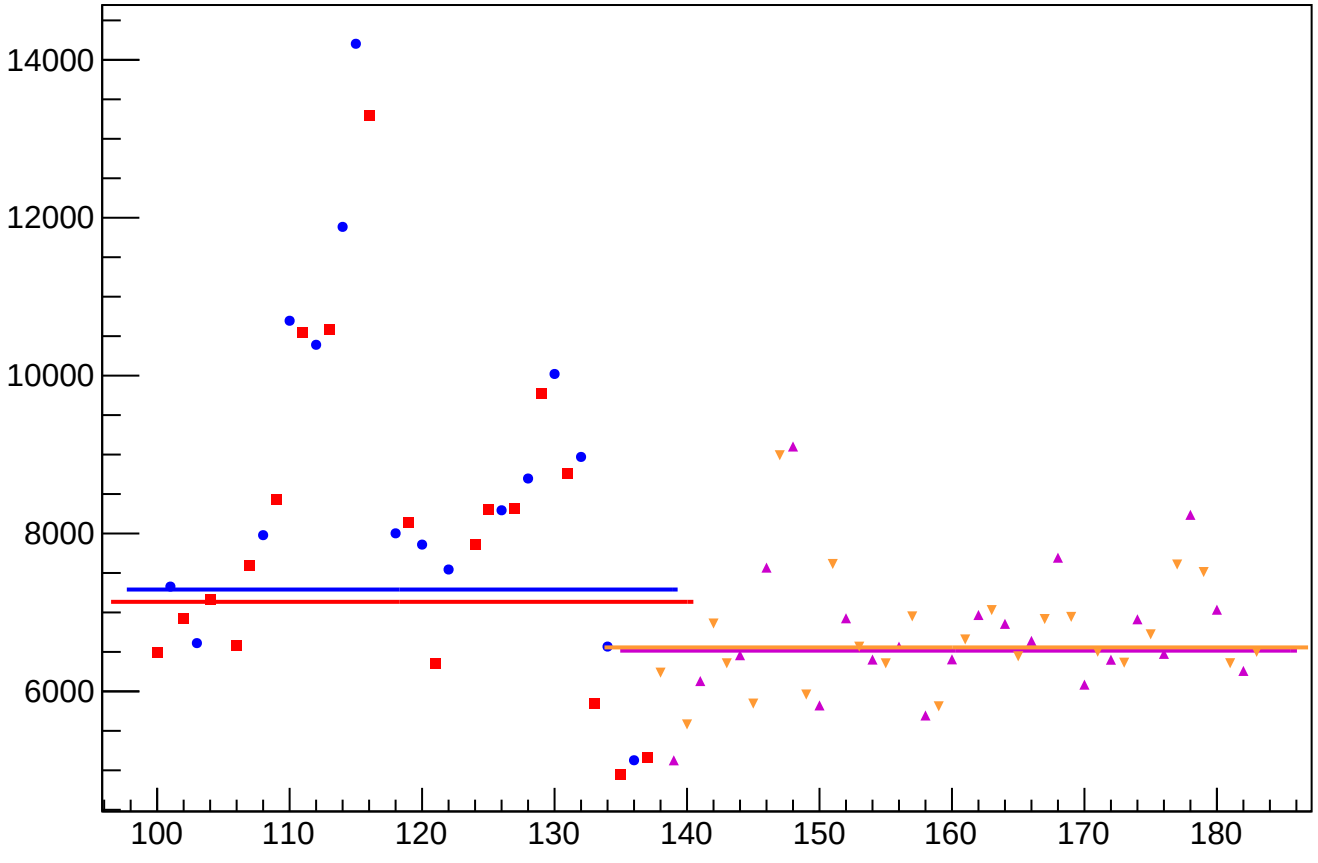
Left In: 0.617+/-1.550 χ^2/NDF:31.8/21

+ sign 1.945+/-1.329 χ^2/NDF: 31.0/39

All: 1.845+/-0.945 χ^2/NDF: 82.2/80

- sign 1.743+/-1.343 χ^2/NDF: 51.2/40

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6557.020+/-1.069 χ^2/NDF:362453.7/23

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

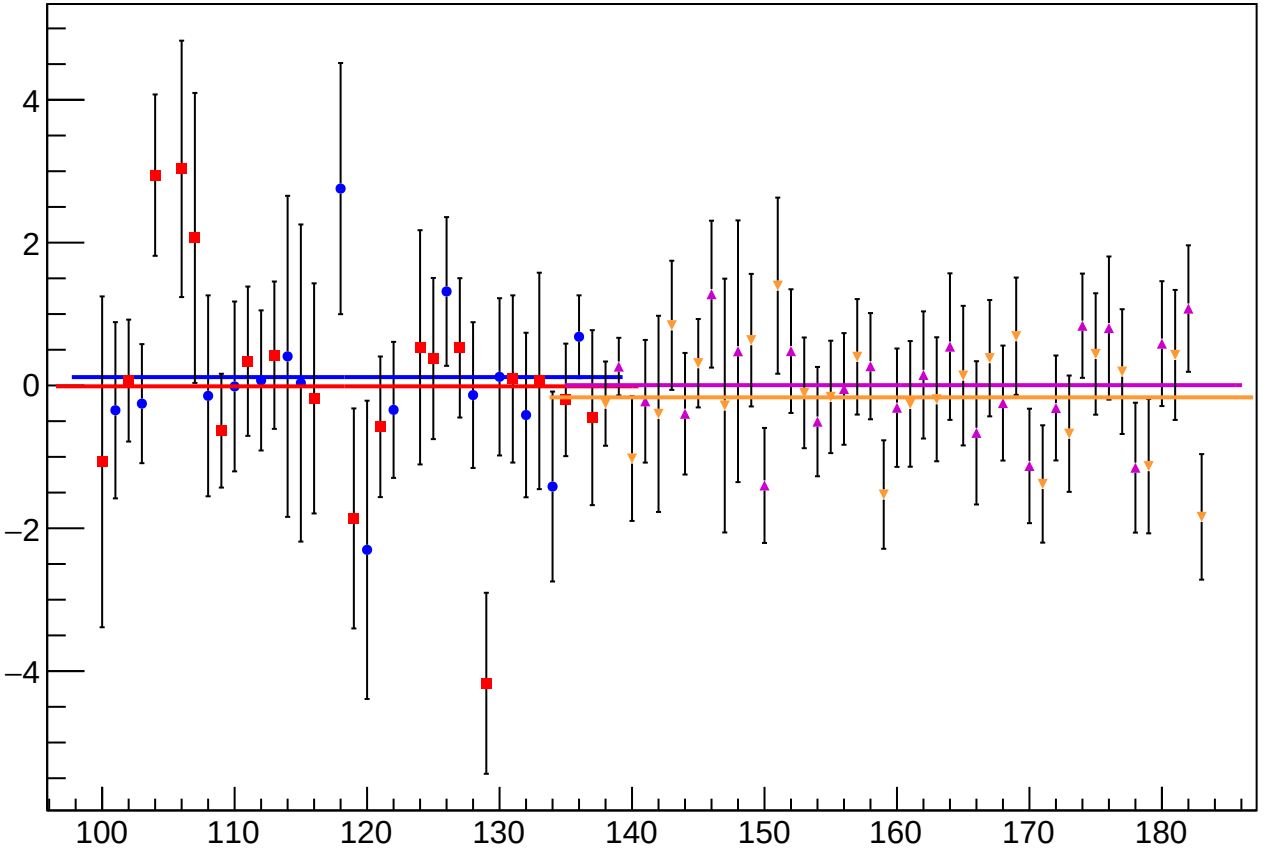
Left In: 6516.026+/-1.096 χ^2/NDF:510416.8/21

+ sign 6723.700+/-0.940 χ^2/NDF: 1239842.8/39

All: 6697.146+/-0.668 χ^2/NDF: 2623918.4/80

- sign 6670.029+/-0.950 χ^2/NDF: 1382462.6/40

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.166+/-0.174 χ^2/NDF:18.9/23

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

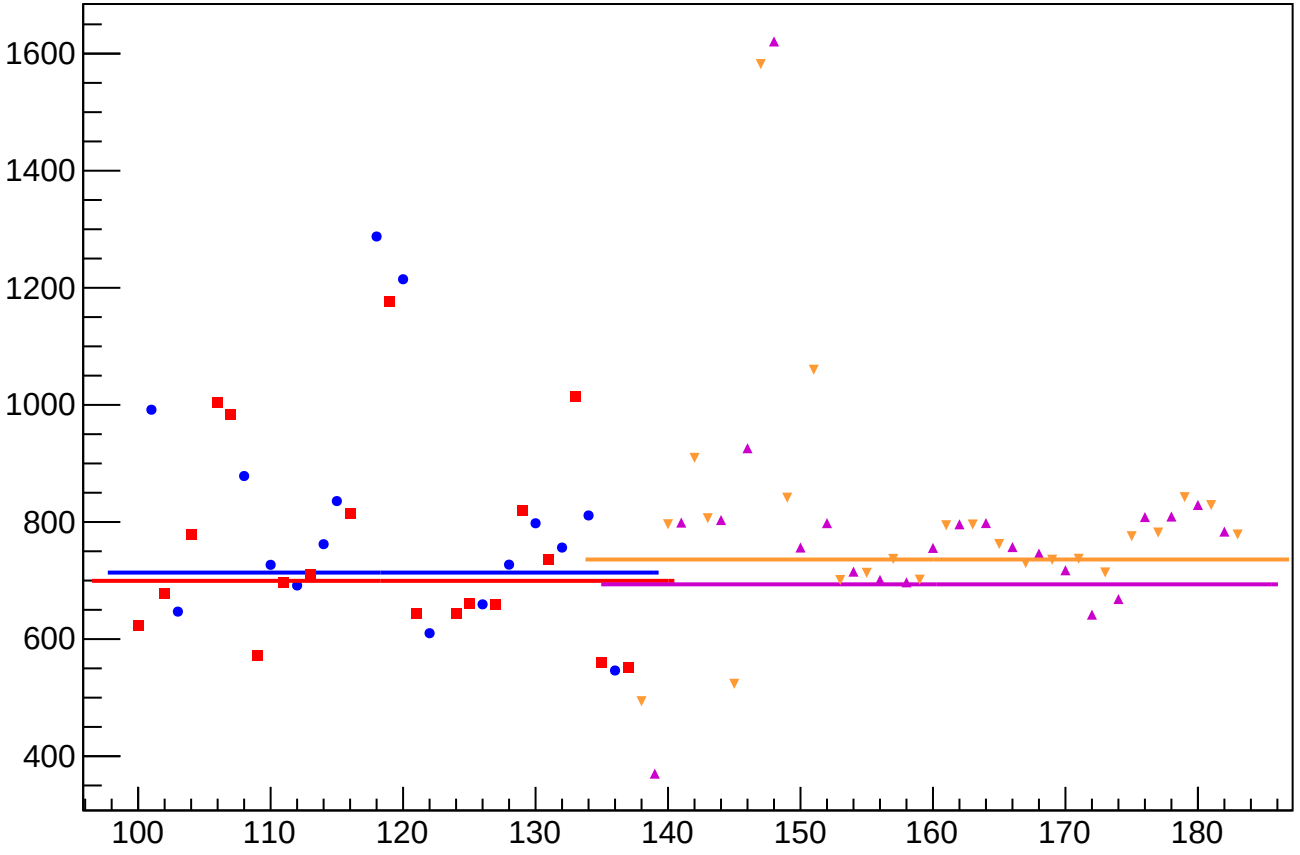
Left In: 0.004+/-0.170 χ^2/NDF:14.9/21

+ sign -0.085+/-0.147 χ^2/NDF: 27.8/39

All: -0.042+/-0.102 χ^2/NDF: 68.0/80

- sign -0.001+/-0.143 χ^2/NDF: 40.0/40

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 735.986+/-0.123 χ^2/NDF:1335763.9/23

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

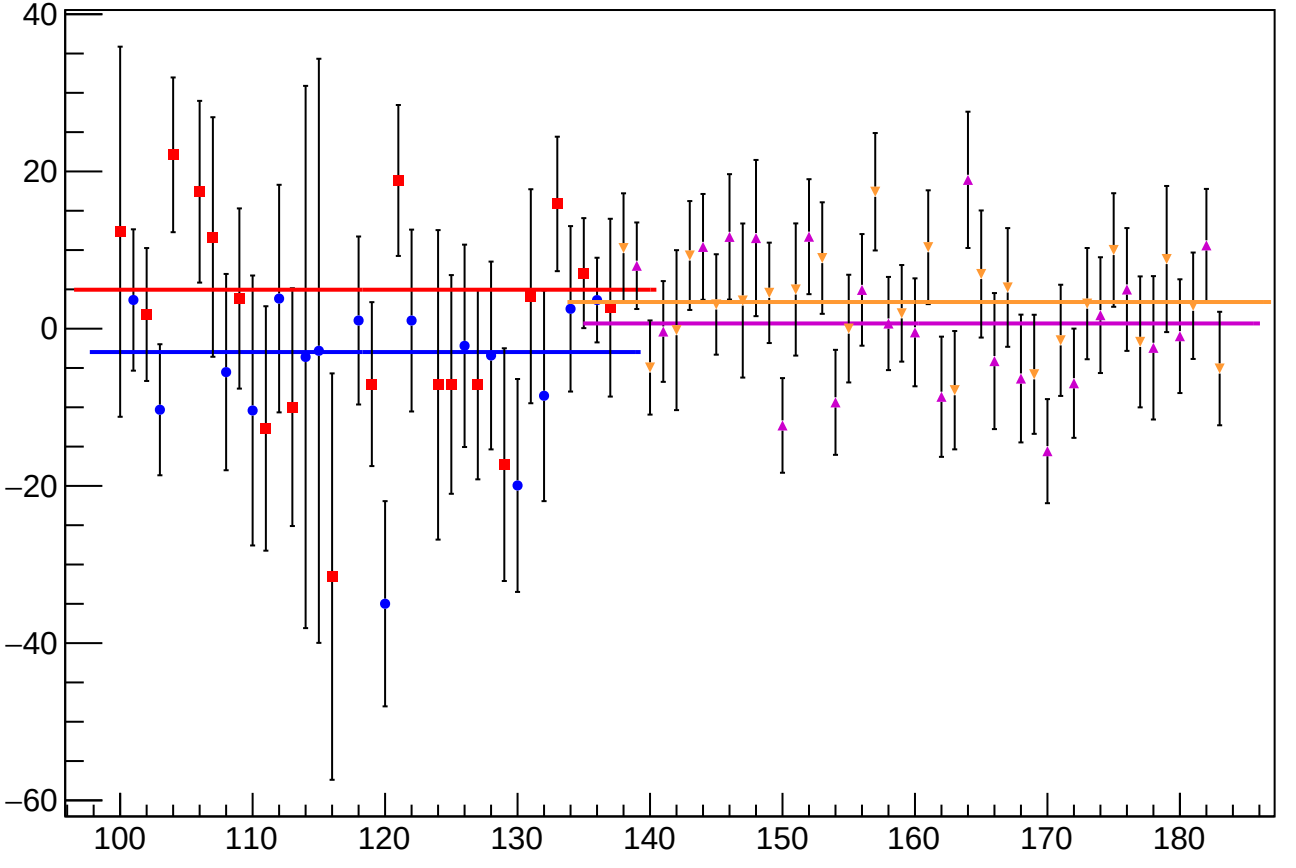
Left In: 693.536+/-0.121 χ^2/NDF:2223447.2/21

+ sign 729.555+/-0.104 χ^2/NDF: 2044613.0/39

All: 712.019+/-0.072 χ^2/NDF: 4900522.7/80

- sign 695.299+/-0.101 χ^2/NDF: 2799931.2/40

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.391+/-1.488 χ^2/NDF:16.6/23

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

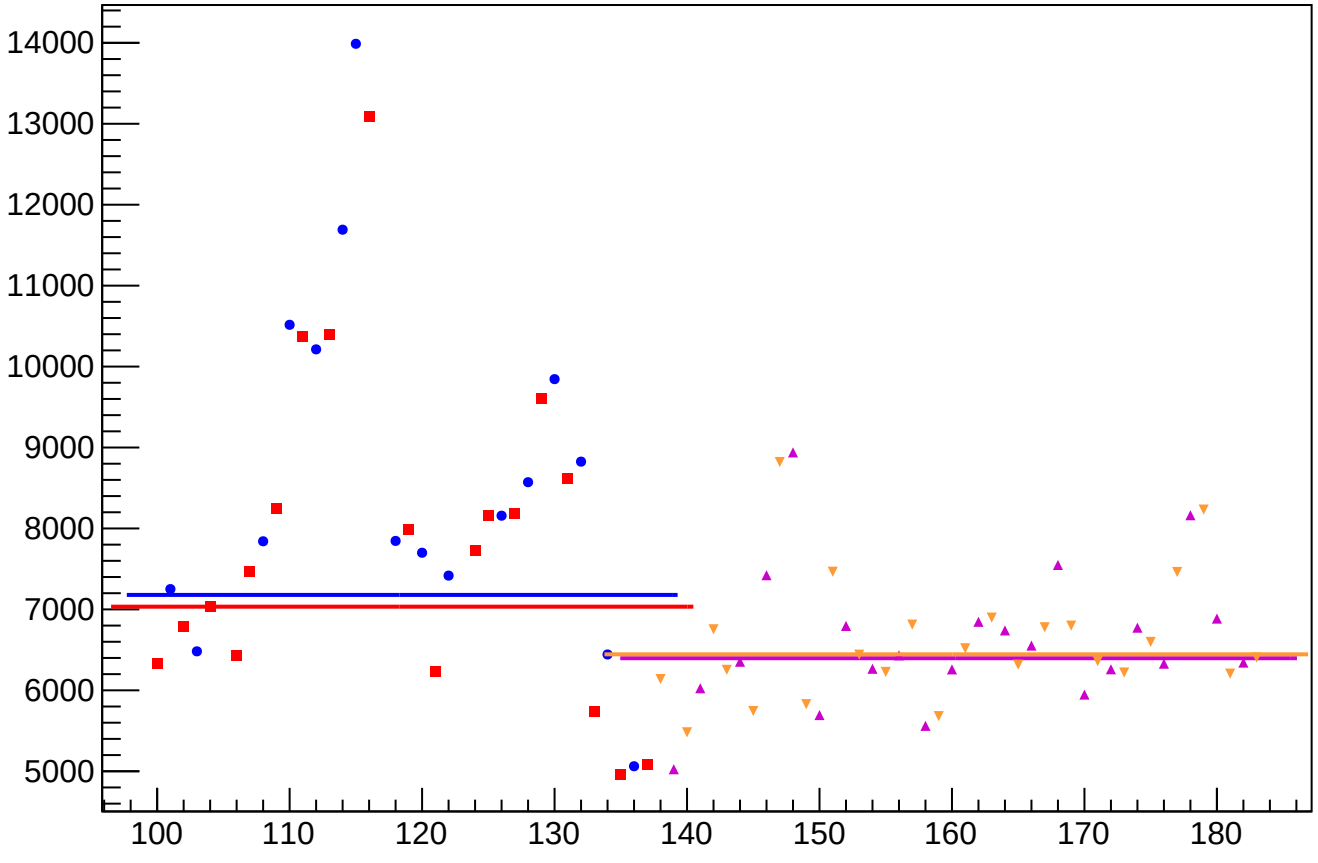
Left In: 0.664+/-1.523 χ^2/NDF:33.2/21

+ sign 1.946+/-1.309 χ^2/NDF: 32.3/39

All: 1.838+/-0.930 χ^2/NDF: 85.9/80

- sign 1.728+/-1.321 χ^2/NDF: 53.6/40

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6444.889+/-1.053 χ^2/NDF:412328.7/23

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

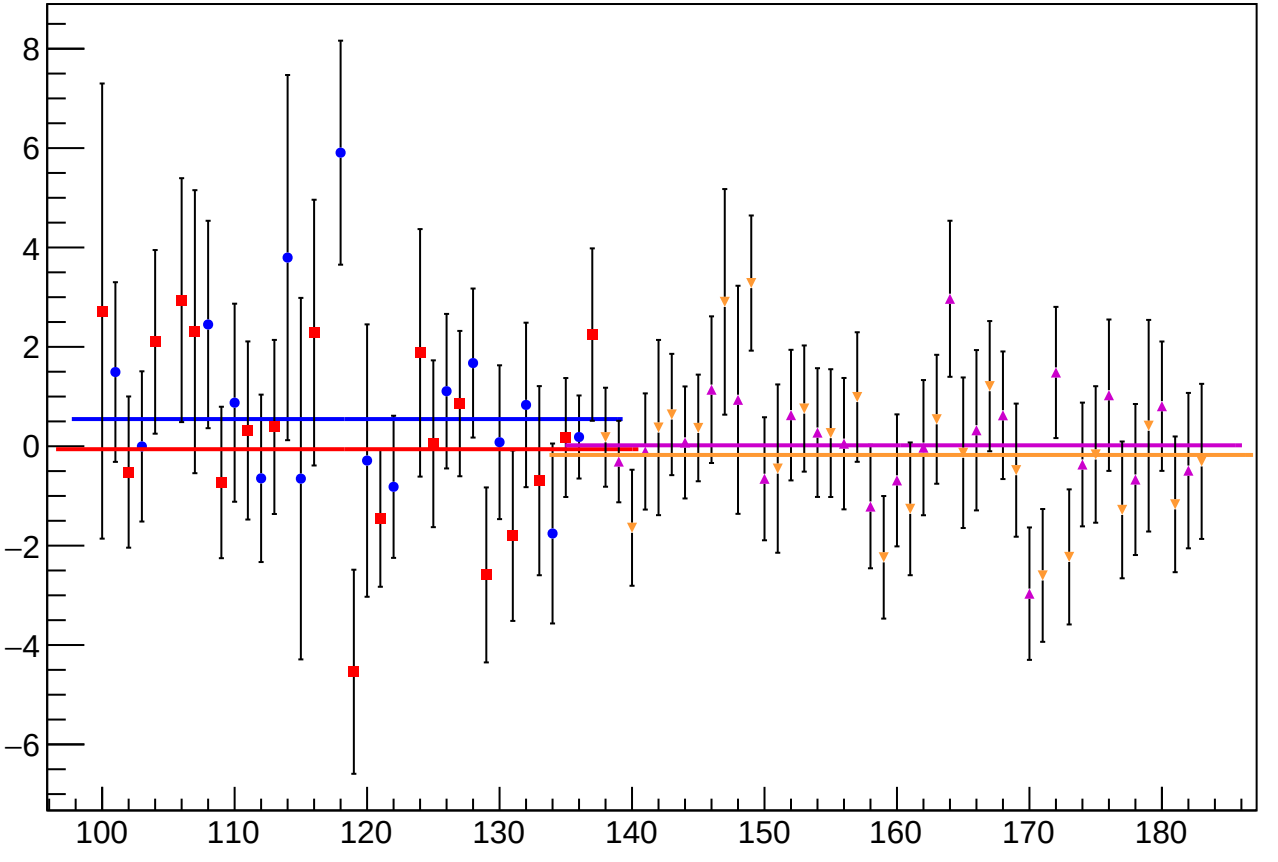
Left In: 6396.594+/-1.077 χ^2/NDF:520286.1/21

+ sign 6611.583+/-0.925 χ^2/NDF: 1284717.4/39

All: 6583.256+/-0.657 χ^2/NDF: 2659990.4/80

- sign 6554.405+/-0.934 χ^2/NDF: 1373381.3/40

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.175+/-0.275 χ^2/NDF:24.0/23

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

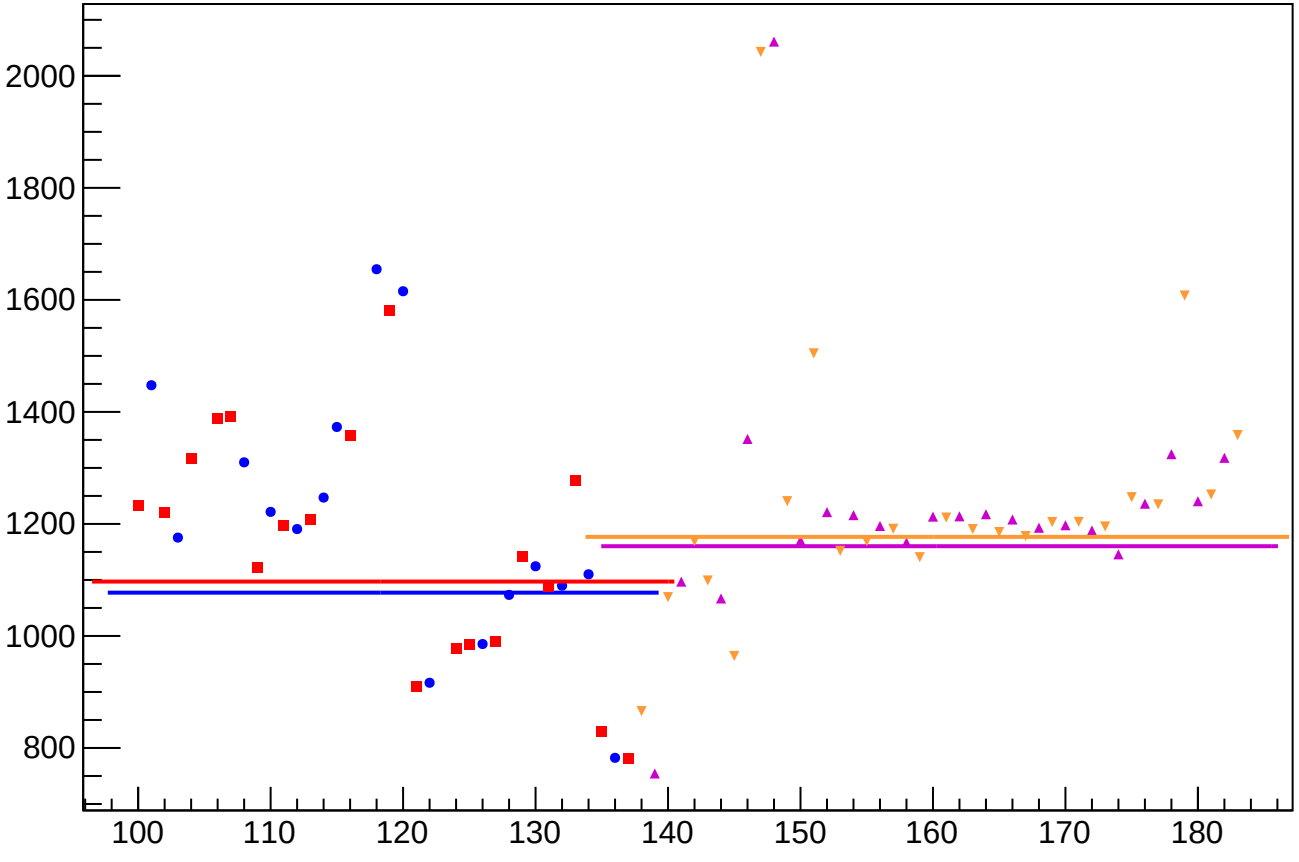
Left In: 0.019+/-0.279 χ^2/NDF:14.0/21

+ sign 0.048+/-0.229 χ^2/NDF: 38.1/39

All: 0.022+/-0.162 χ^2/NDF: 69.0/80

- sign -0.006+/-0.230 χ^2/NDF: 30.9/40

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1176.897+/-0.195 χ^2/NDF:799391.6/23

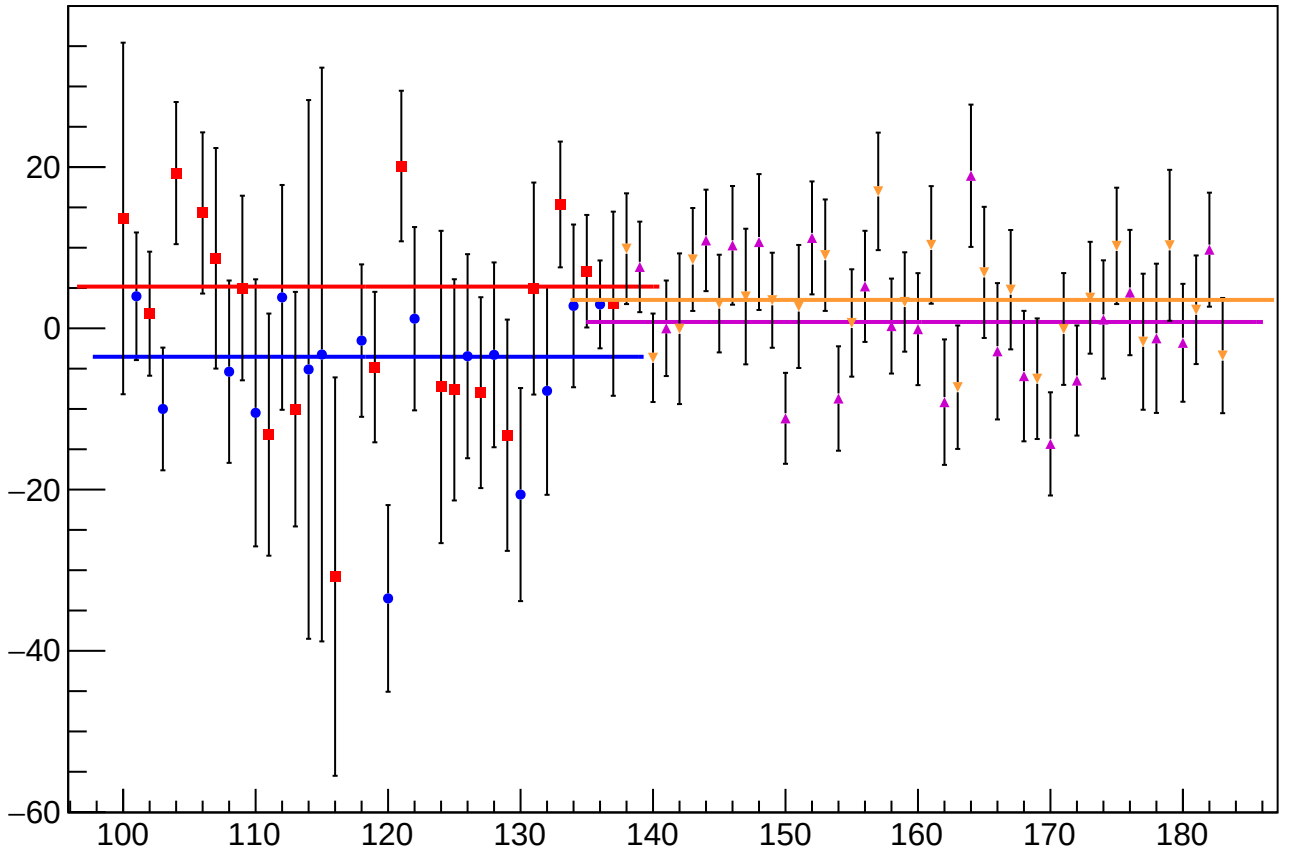
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1160.243+/-0.197 χ^2/NDF:931806.3/21

+ sign 1146.070+/-0.162 χ^2/NDF: 1527046.1/39

All: 1143.153+/-0.115 χ^2/NDF: 2976423.2/80

- sign 1140.188+/-0.163 χ^2/NDF: 1448720.0/40



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.526+/-1.441 χ^2/NDF:15.4/23

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

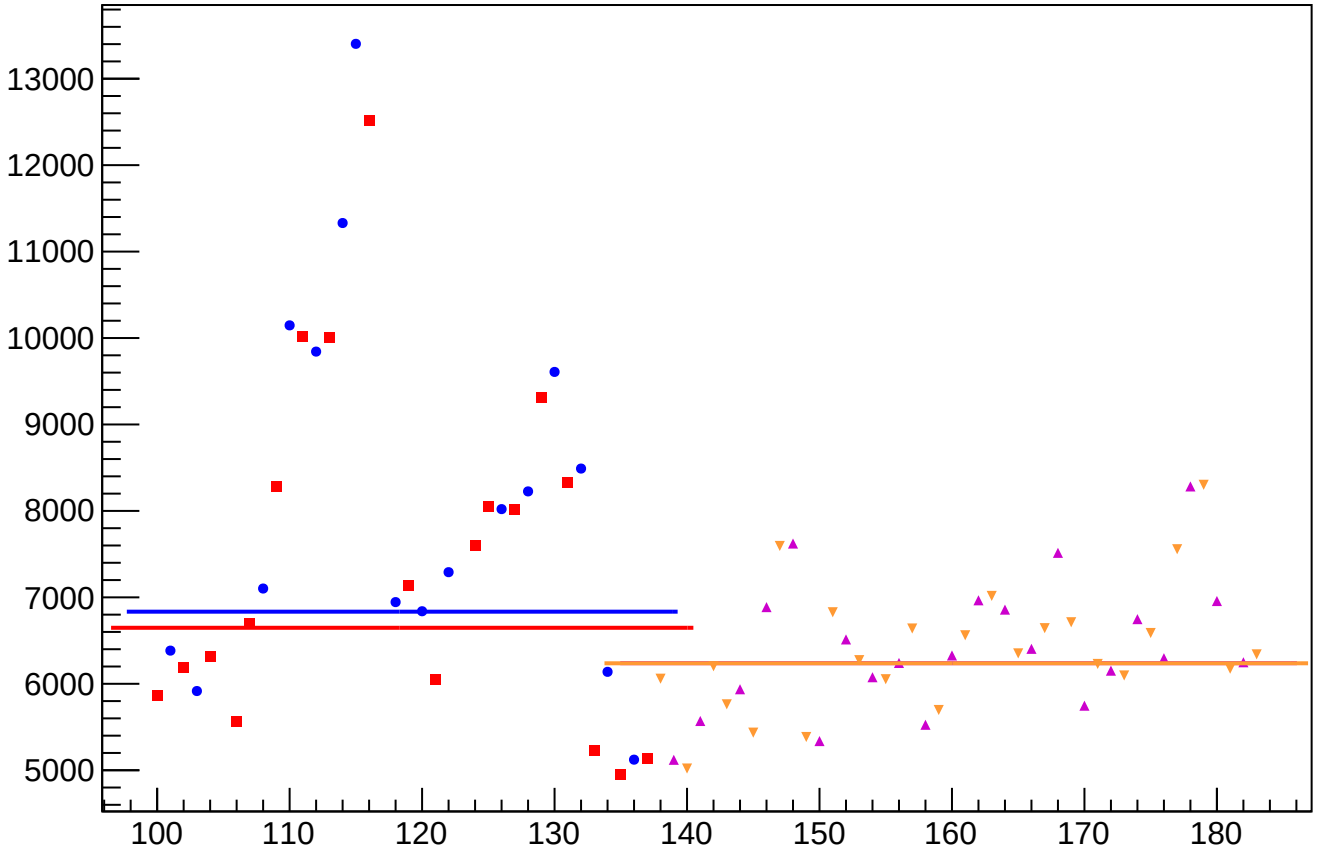
Left In: 0.788+/-1.484 χ^2/NDF:31.9/21

+ sign 1.876+/-1.262 χ^2/NDF: 33.6/39

All: 1.900+/-0.897 χ^2/NDF: 85.9/80

- sign 1.926+/-1.277 χ^2/NDF: 52.3/40

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6237.303+/-1.019 χ^2/NDF:466424.3/23

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

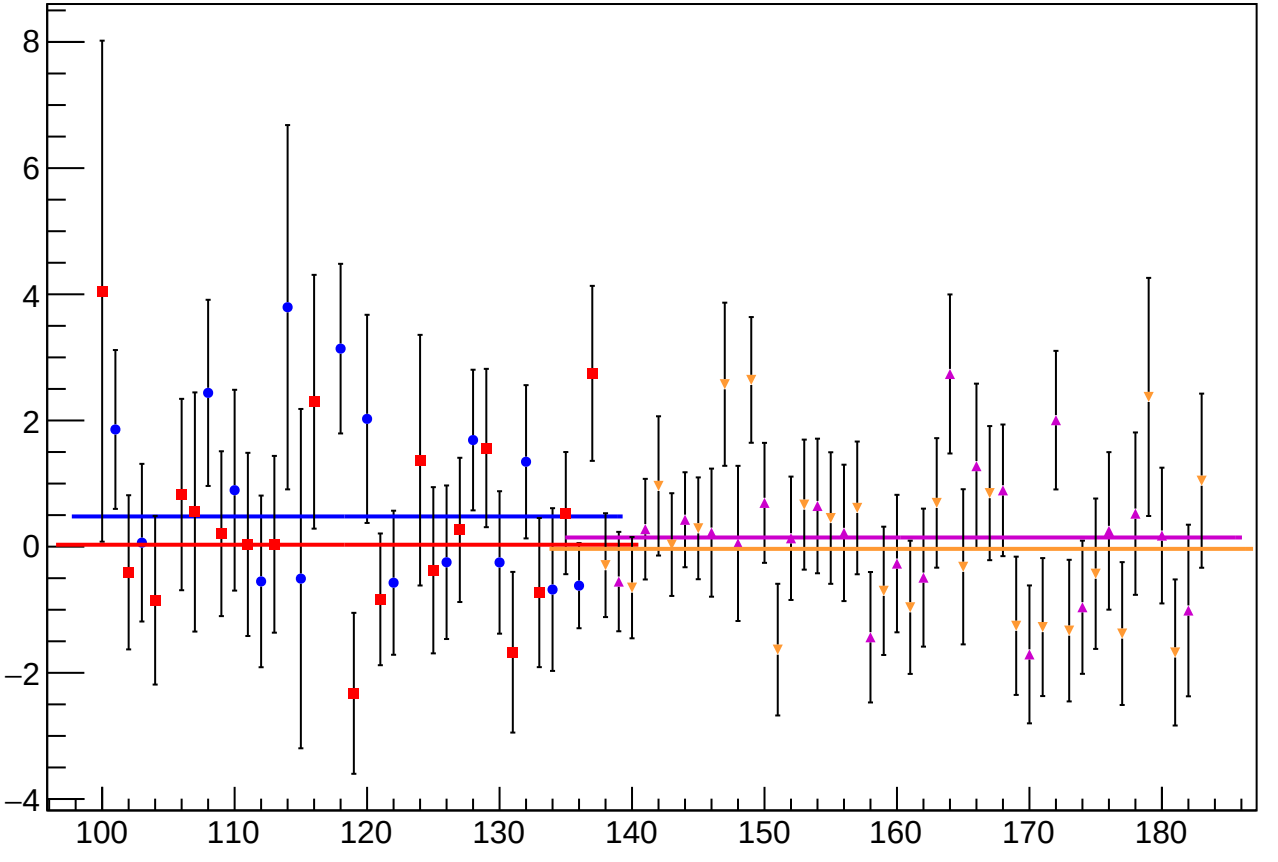
Left In: 6238.636+/-1.049 χ^2/NDF:480495.4/21

+ sign 6376.984+/-0.892 χ^2/NDF: 1239431.0/39

All: 6361.072+/-0.635 χ^2/NDF: 2545143.2/80

- sign 6344.767+/-0.903 χ^2/NDF: 1305068.0/40

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.035+/-0.213 χ^2/NDF:28.4/23

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

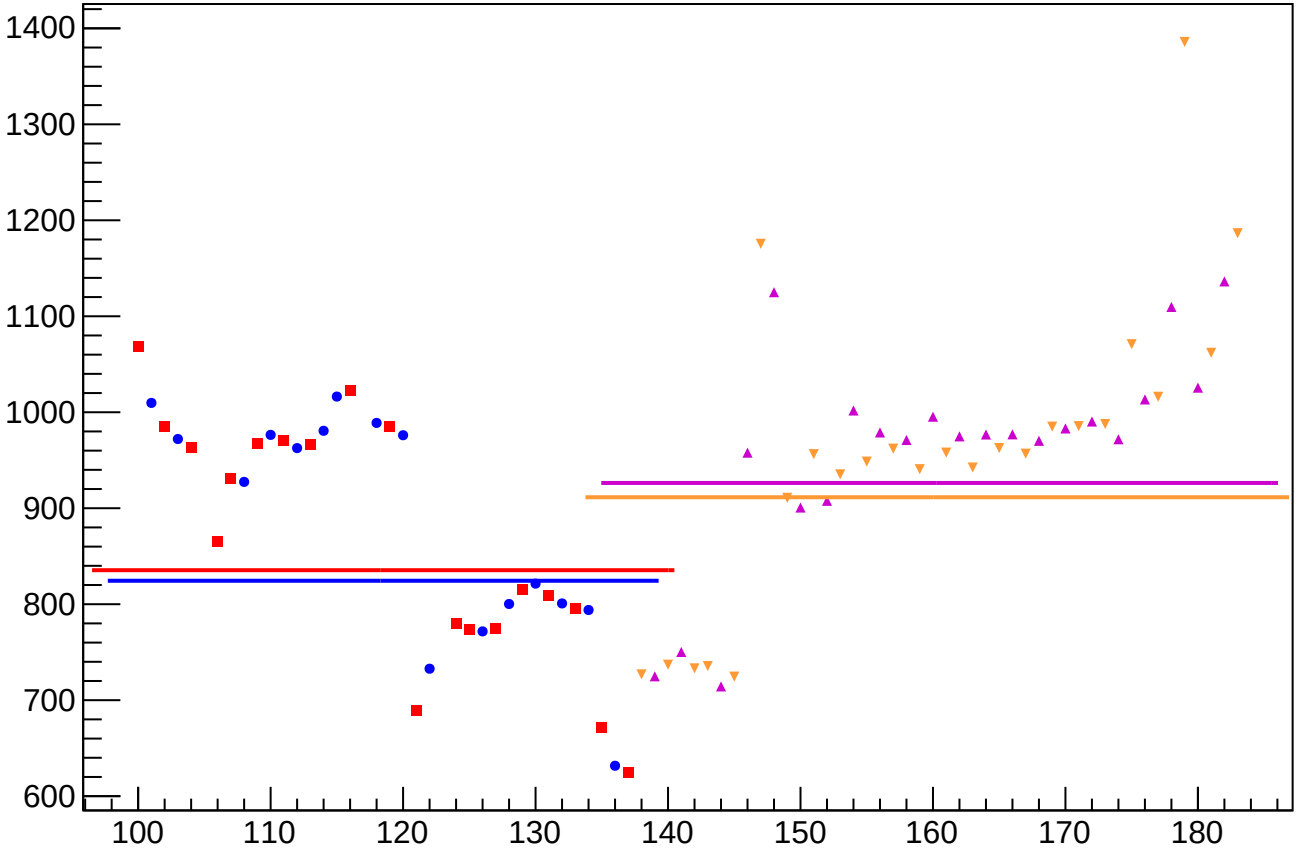
Left In: 0.145+/-0.221 χ^2/NDF:17.5/21

+ sign 0.129+/-0.176 χ^2/NDF: 47.0/39

All: 0.118+/-0.126 χ^2/NDF: 80.3/80

- sign 0.106+/-0.180 χ^2/NDF: 33.3/40

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 911.439+/-0.151 χ^2/NDF:877615.9/23

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

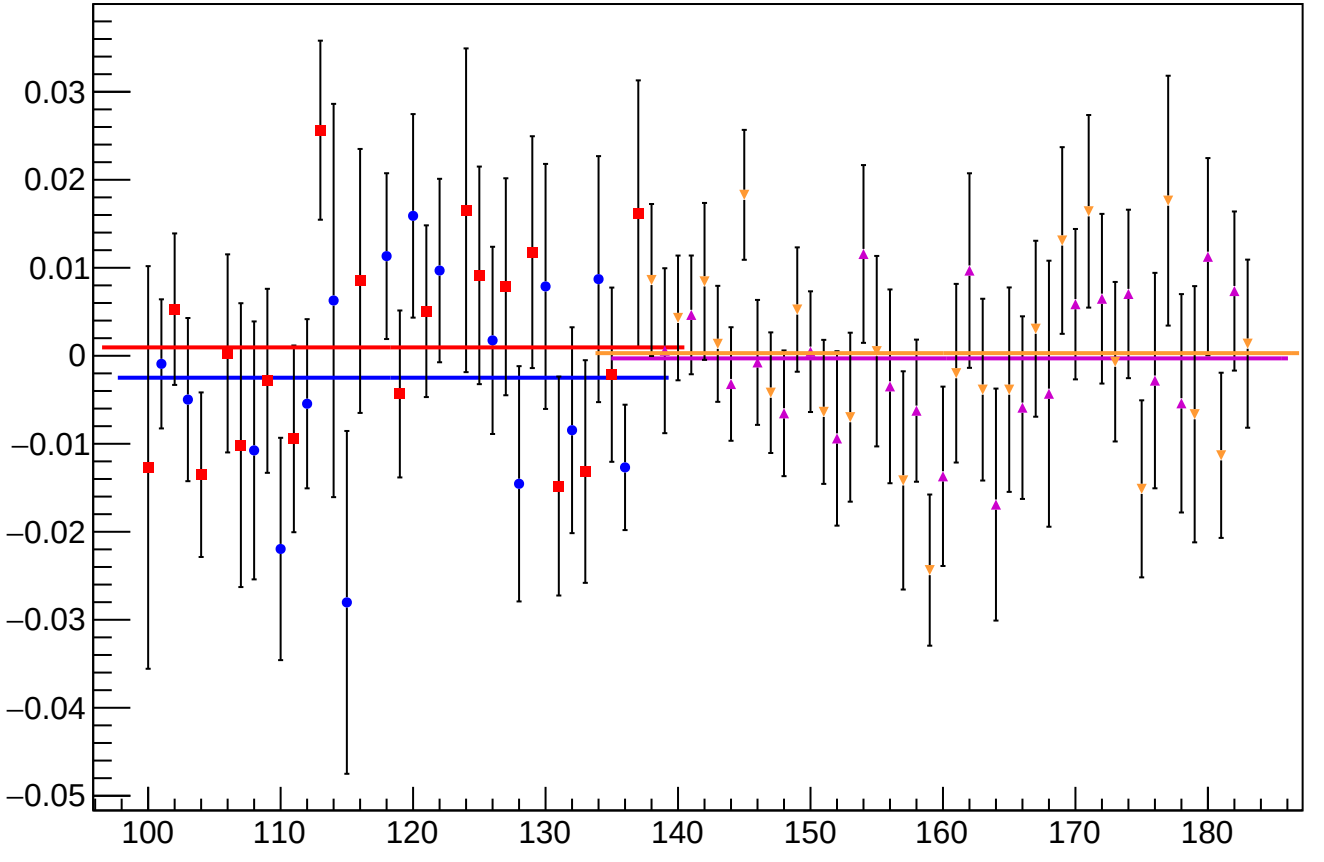
Left In: 926.335+/-0.156 χ^2/NDF:614392.9/21

+ sign 883.632+/-0.124 χ^2/NDF: 1349730.1/39

All: 889.412+/-0.089 χ^2/NDF: 2402490.3/80

- sign 895.465+/-0.127 χ^2/NDF: 1048328.9/40

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:29.5/23

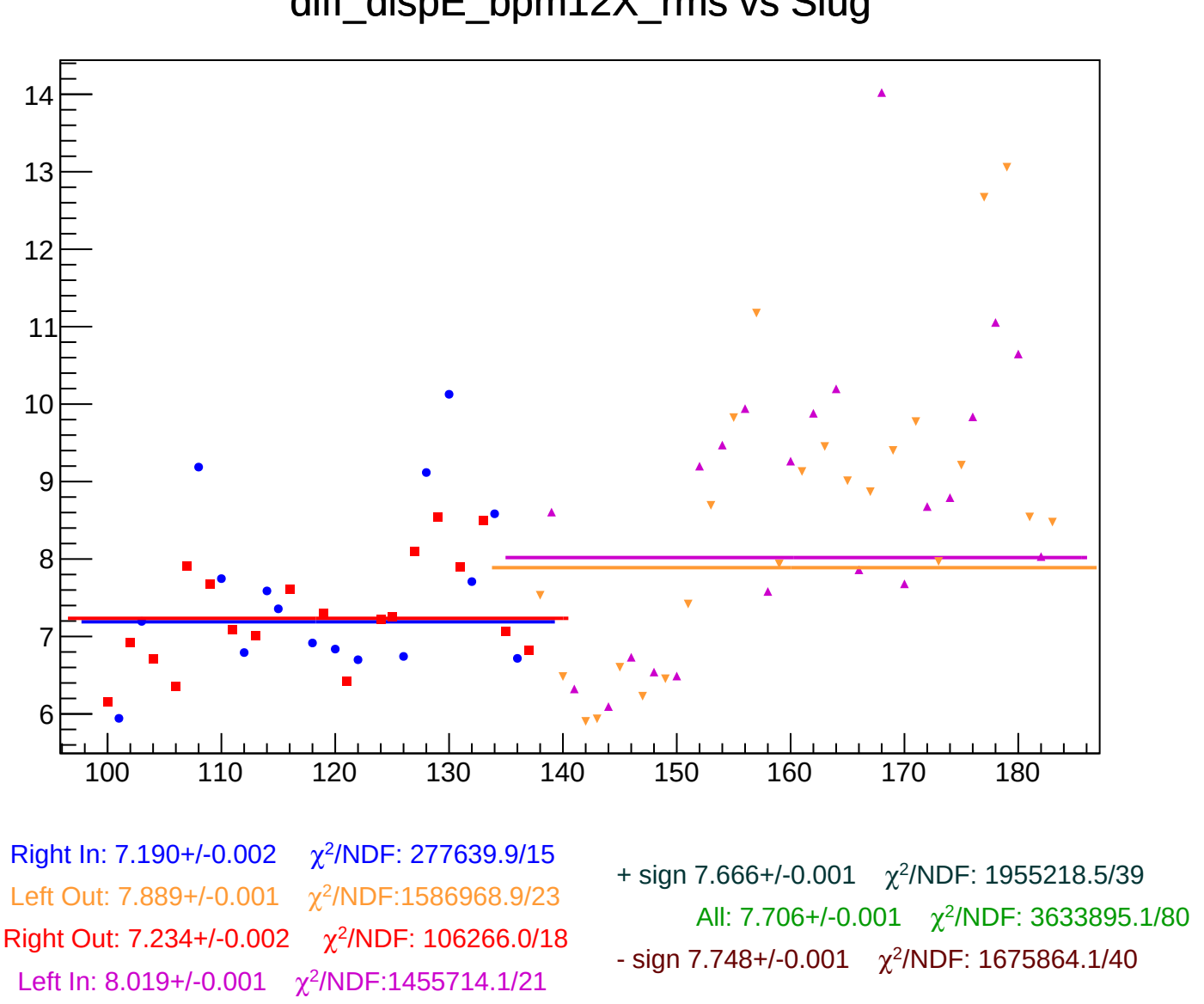
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

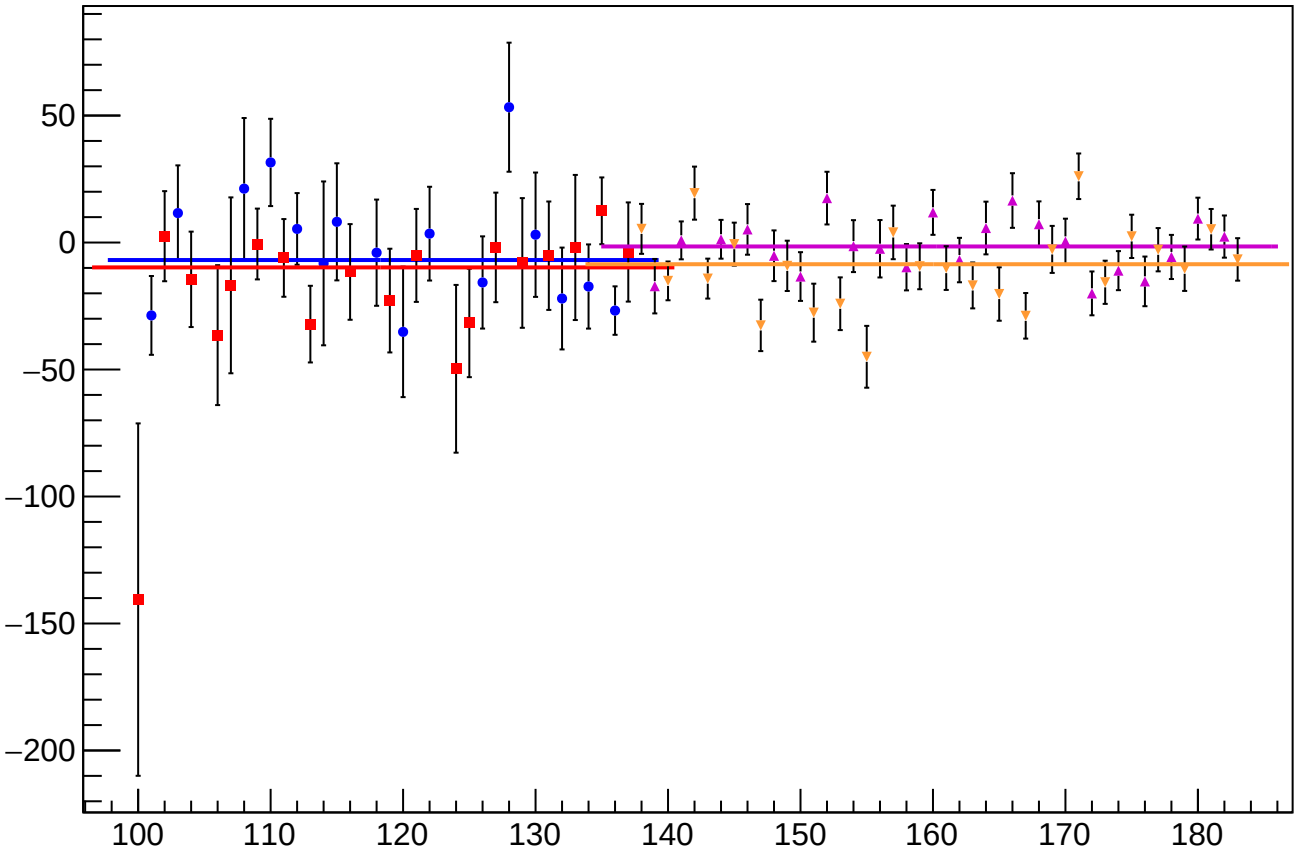
Left In: -0.000+/-0.002 χ^2/NDF:12.5/21

+ sign -0.001+/-0.002 χ^2/NDF: 45.5/39

All: -0.000+/-0.001 χ^2/NDF: 75.5/80

- sign 0.000+/-0.002 χ^2/NDF: 29.9/40


diff_dispE_bpm12X_rms vs Slug
14
13
12
11
10
9
8
7
6
100
110
120
130
140
150
160
170
180
Right In: 7.190+/-0.002 χ²/NDF: 277639.9/15
Left Out: 7.889+/-0.001 χ²/NDF:1586968.9/23
Right Out: 7.234+/-0.002 χ²/NDF: 106266.0/18
Left In: 8.019+/-0.001 χ²/NDF:1455714.1/21
+ sign 7.666+/-0.001 χ²/NDF: 1955218.5/39
All: 7.706+/-0.001 χ²/NDF: 3633895.1/80
- sign 7.748+/-0.001 χ²/NDF: 1675864.1/40



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -8.538+/-1.865 χ^2/NDF:60.8/23

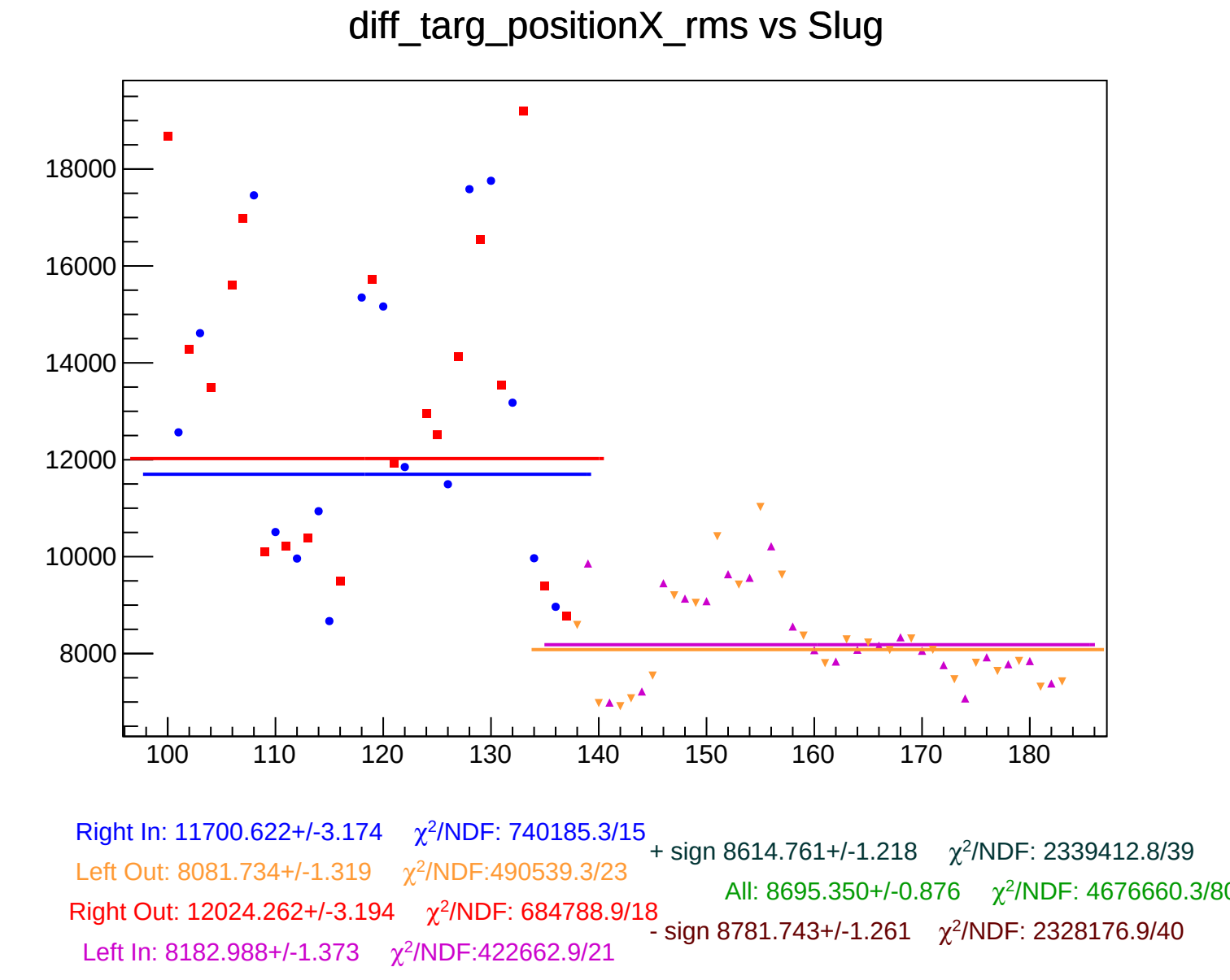
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -1.547+/-1.941 χ^2/NDF:26.0/21

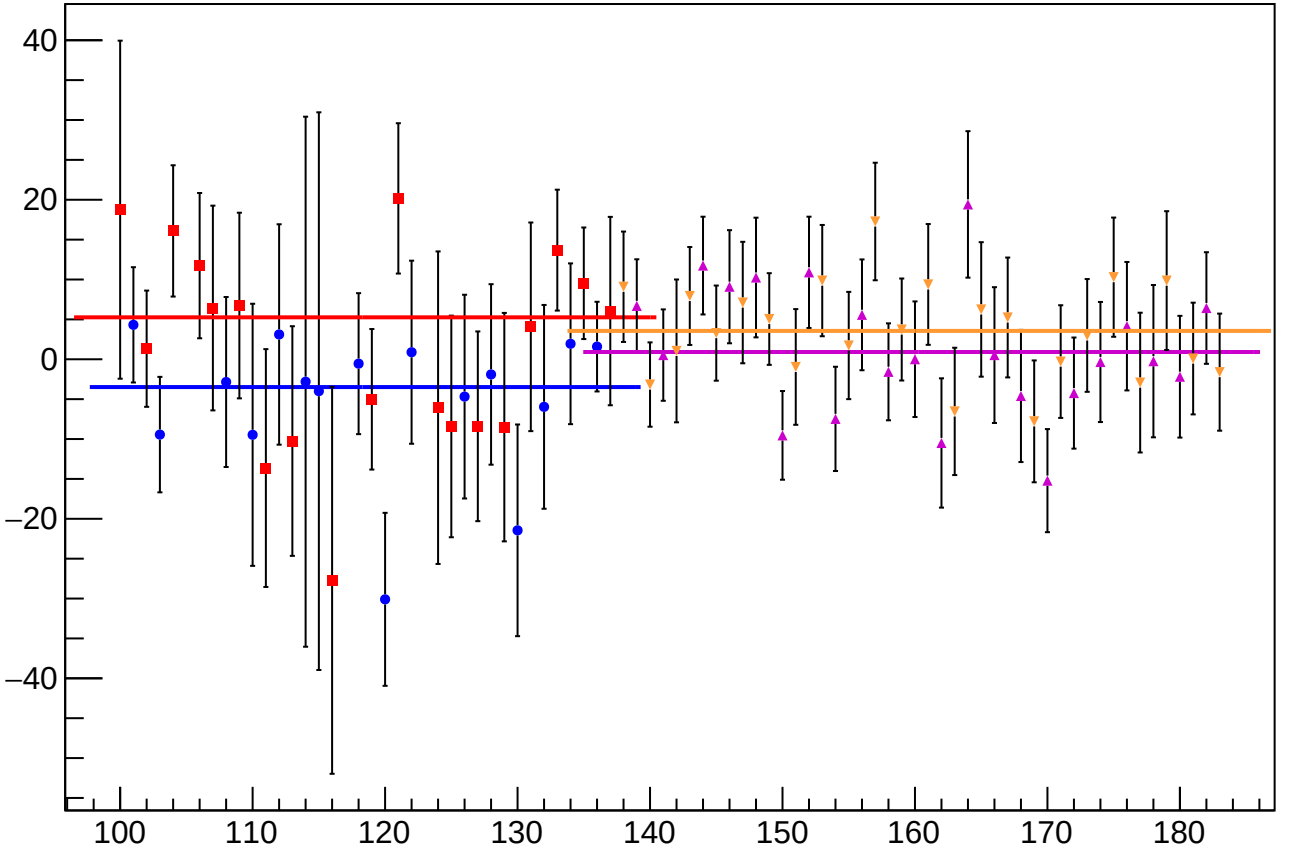
+ sign -8.295+/-1.723 χ^2/NDF: 84.0/39

All: -5.658+/-1.239 χ^2/NDF: 131.6/80

- sign -2.832+/-1.783 χ^2/NDF: 42.8/40


diff_targ_positionX_rms vs Slug
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8081.734+/-1.319 χ²/NDF:490539.3/23
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8182.988+/-1.373 χ²/NDF:422662.9/21
+ sign 8614.761+/-1.218 χ²/NDF: 2339412.8/39
All: 8695.350+/-0.876 χ²/NDF: 4676660.3/80
- sign 8781.743+/-1.261 χ²/NDF: 2328176.9/40

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.556+/-1.442 χ^2/NDF:15.4/23

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

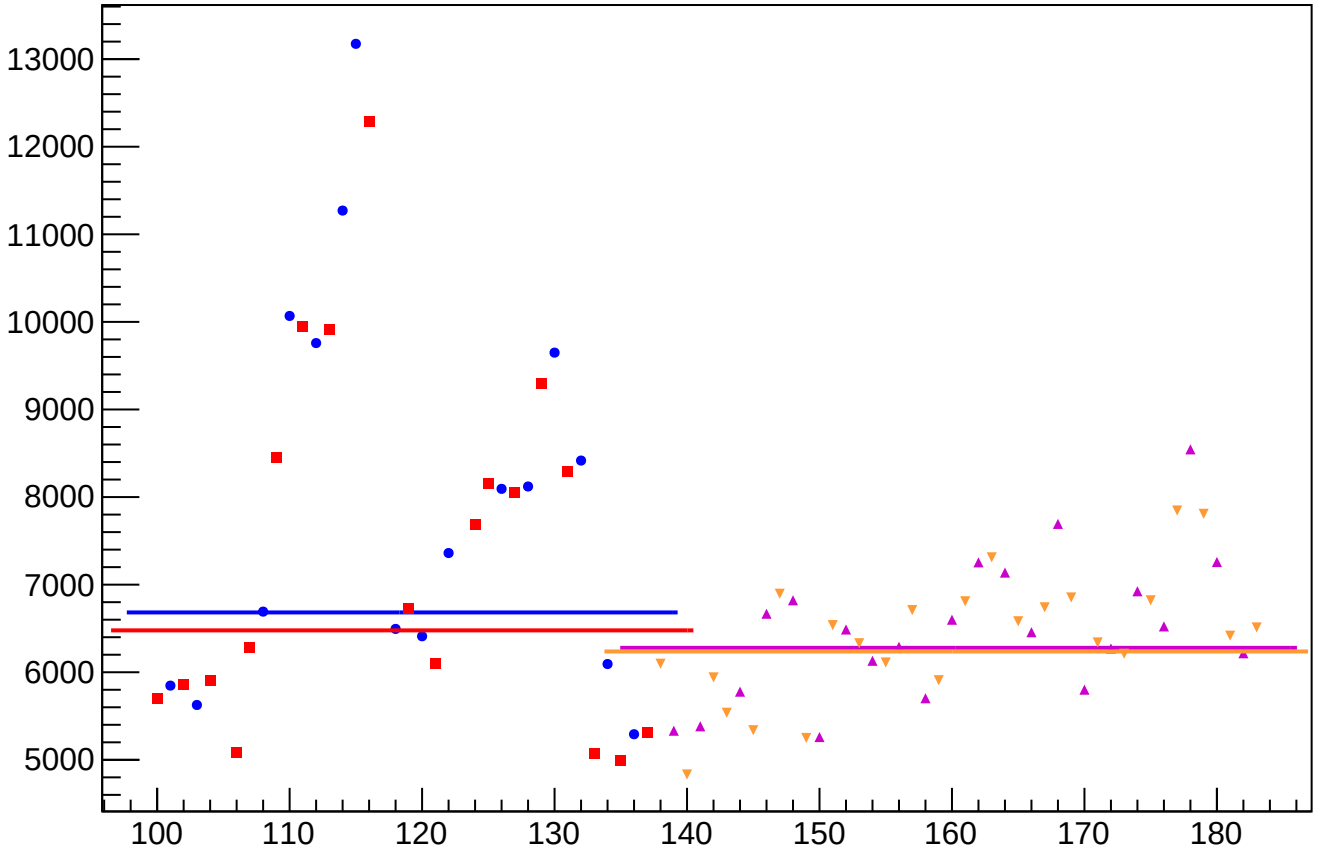
Left In: 0.911+/-1.493 χ^2/NDF:29.1/21

+ sign 1.850+/-1.255 χ^2/NDF: 32.6/39

All: 1.968+/-0.894 χ^2/NDF: 80.7/80

- sign 2.091+/-1.274 χ^2/NDF: 48.0/40

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6237.246+/-1.020 χ^2/NDF:530119.8/23

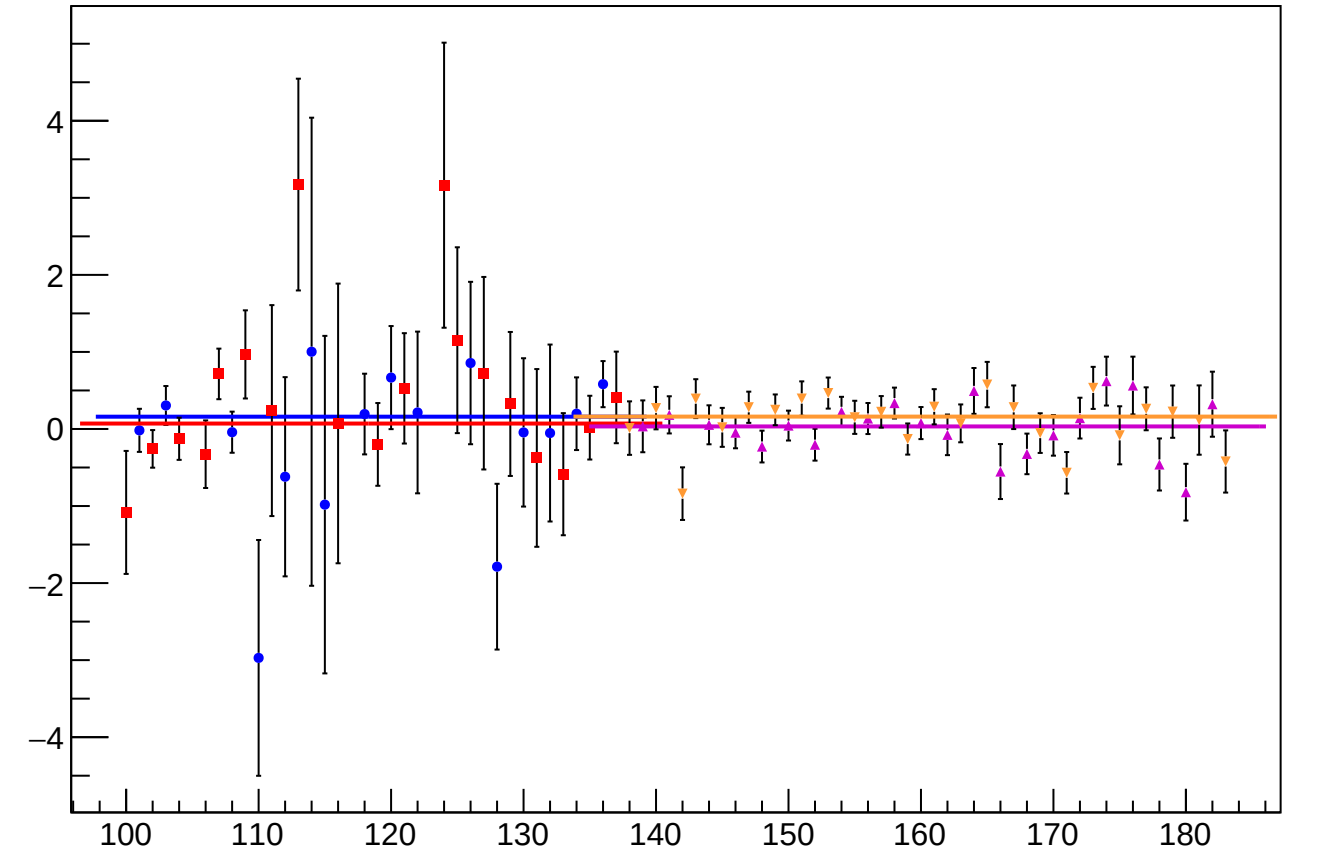
Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6278.577+/-1.056 χ^2/NDF:501872.3/21

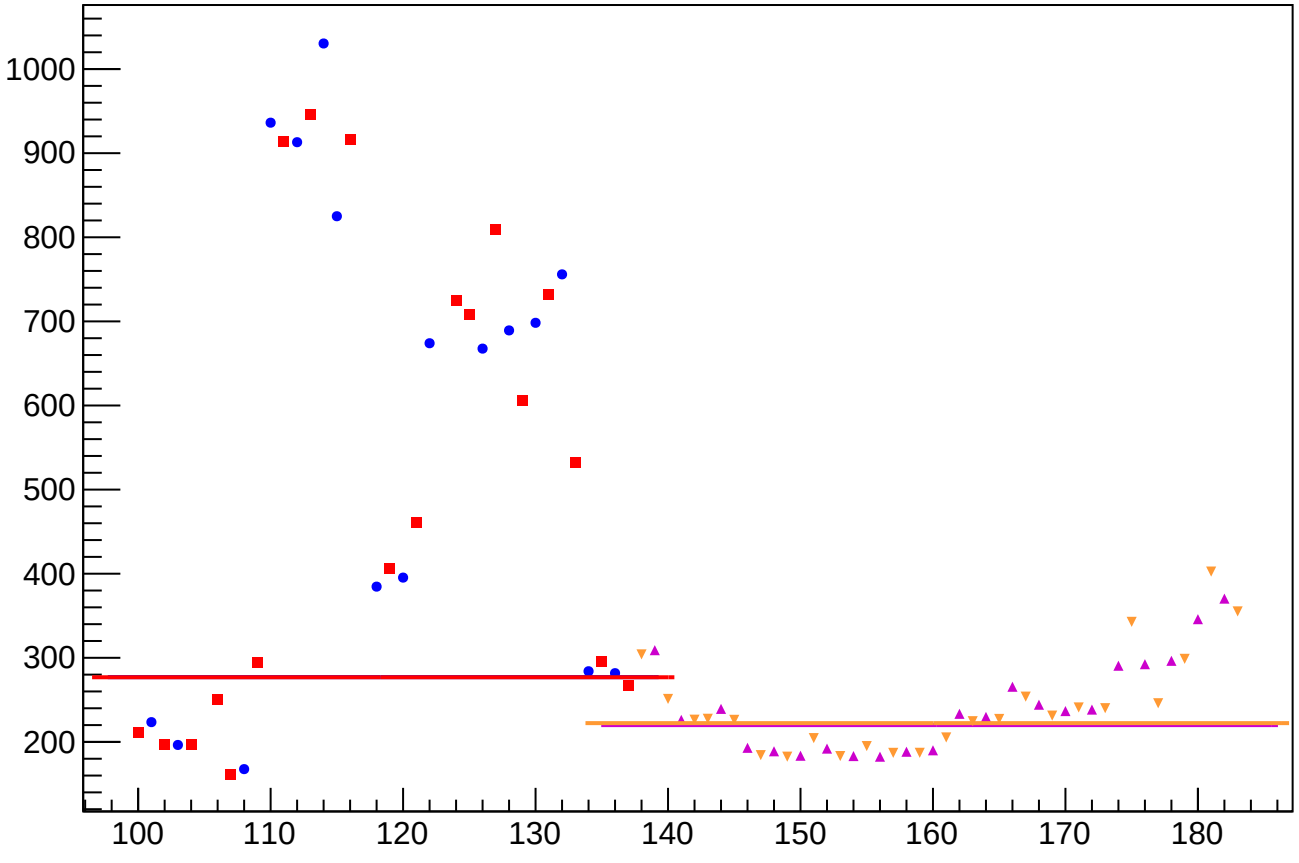
+ sign 6345.252+/-0.887 χ^2/NDF: 1268636.4/39

All: 6339.081+/-0.632 χ^2/NDF: 2619530.5/80

- sign 6332.720+/-0.901 χ^2/NDF: 1350796.0/40


diff_targ_thetaX_mean vs Slug
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: 0.160+/-0.120 χ²/NDF: 12.6/15
Left Out: 0.161+/-0.052 χ²/NDF:31.4/23
Right Out: 0.070+/-0.120 χ²/NDF: 22.5/18
Left In: 0.033+/-0.053 χ²/NDF:27.9/21
+ sign 0.160+/-0.048 χ²/NDF: 43.9/39
All: 0.101+/-0.034 χ²/NDF: 97.5/80
- sign 0.039+/-0.049 χ²/NDF: 50.4/40

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 222.337+/-0.037 χ^2/NDF:1440560.0/23

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

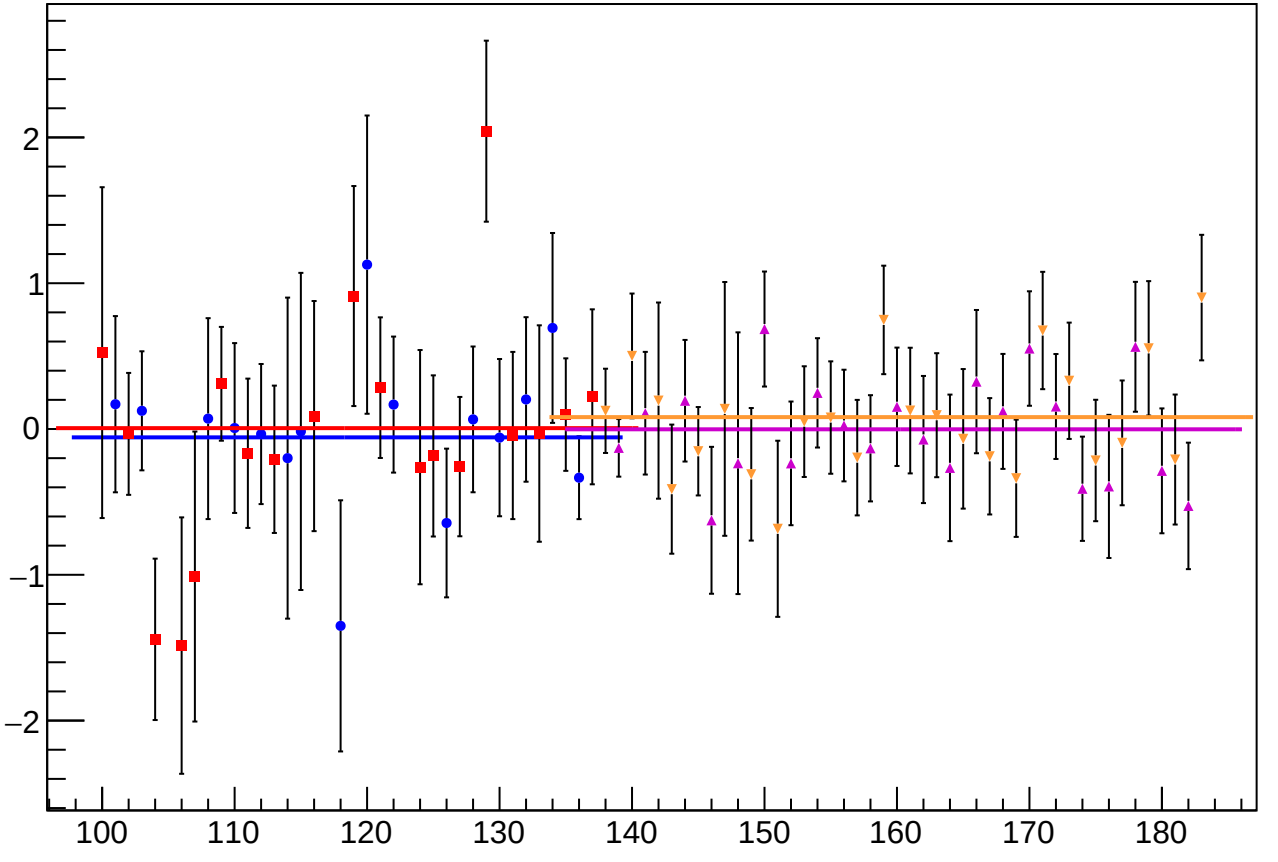
Left In: 219.984+/-0.038 χ^2/NDF:1411978.4/21

+ sign 231.084+/-0.034 χ^2/NDF: 5242381.8/39

All: 230.236+/-0.024 χ^2/NDF: 10604450.1/80

- sign 229.361+/-0.034 χ^2/NDF: 5360792.0/40

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.082+/-0.085 χ^2/NDF:18.9/23

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

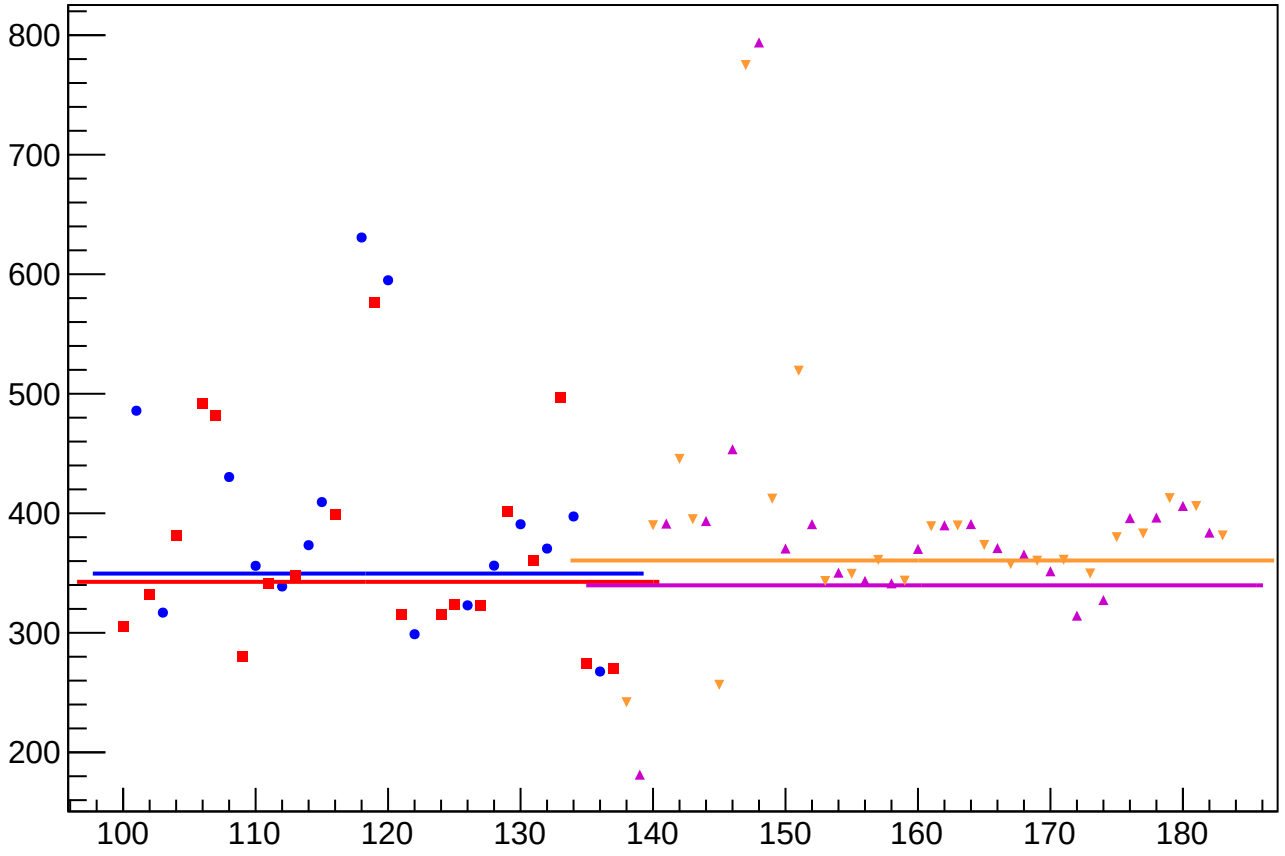
Left In: -0.002+/-0.083 χ^2/NDF:14.9/21

+ sign 0.042+/-0.072 χ^2/NDF: 27.8/39

All: 0.020+/-0.050 χ^2/NDF: 68.0/80

- sign 0.000+/-0.070 χ^2/NDF: 40.0/40

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 360.512+/-0.060 χ^2/NDF:1335763.9/23

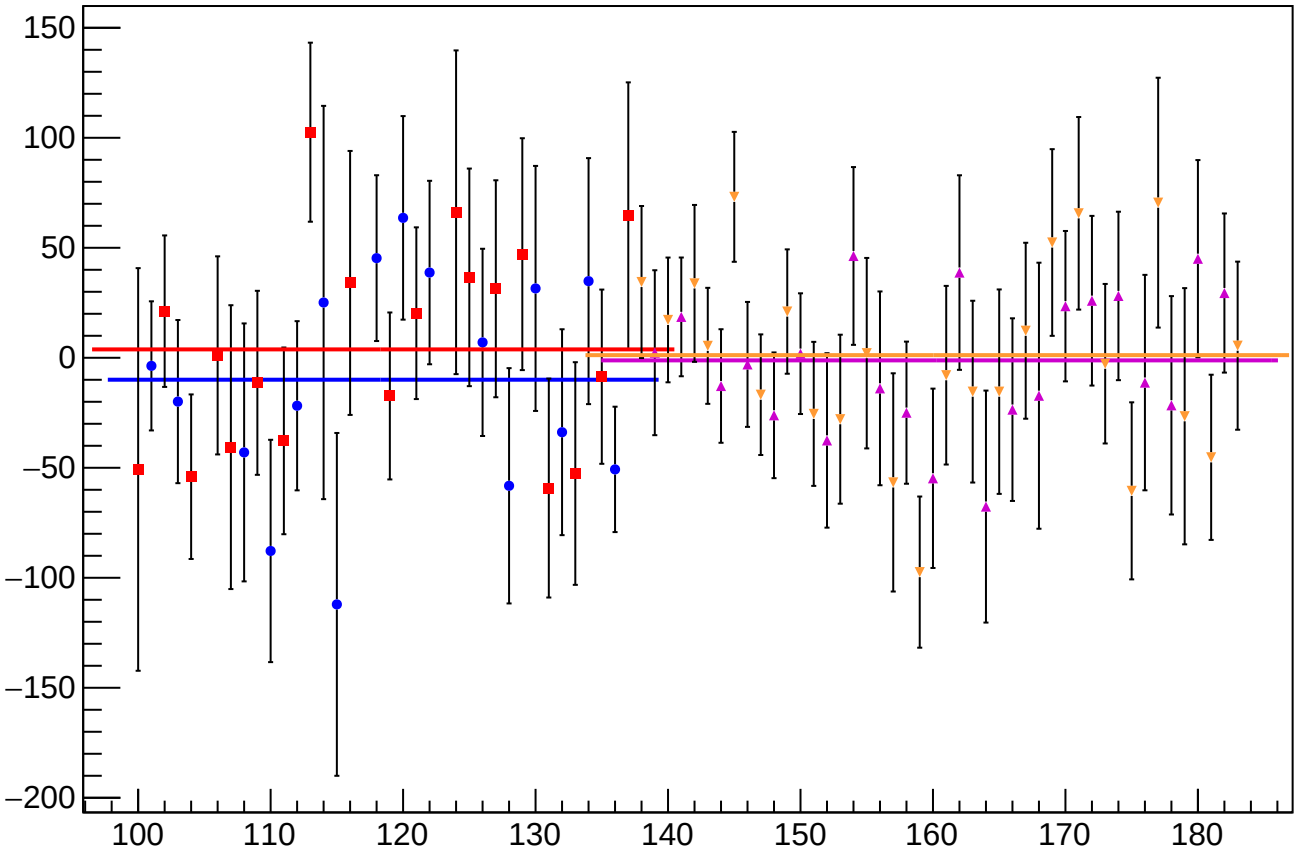
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 339.719+/-0.059 χ^2/NDF:2223447.2/21

\+ sign 357.362+/-0.051 χ^2/NDF: 2044613.0/39

All: 348.772+/-0.035 χ^2/NDF: 4900522.7/80

\- sign 340.582+/-0.050 χ^2/NDF: 2799931.2/40



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.200+/-7.419 χ^2/NDF:29.5/23

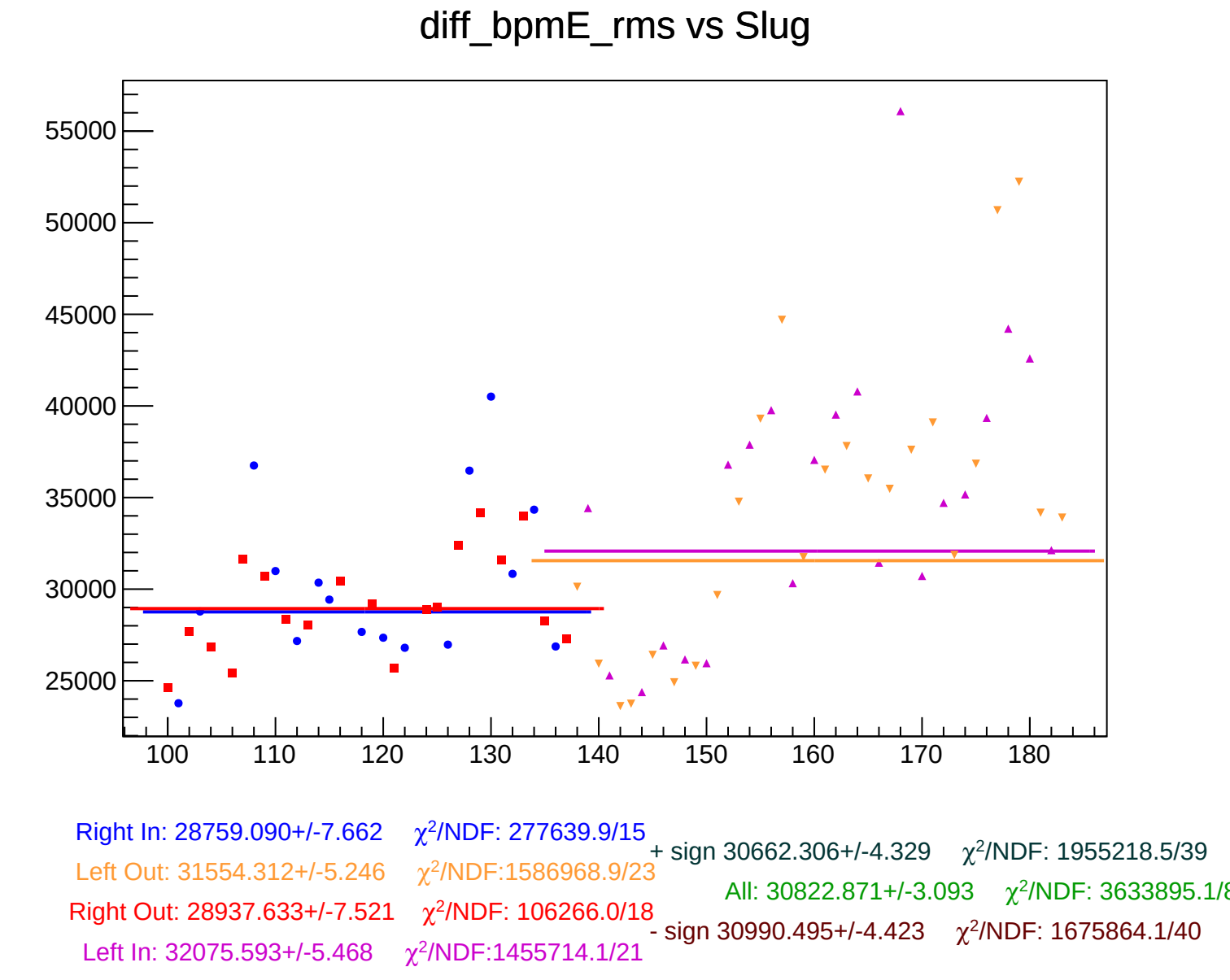
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -1.180+/-7.733 χ^2/NDF:12.5/21

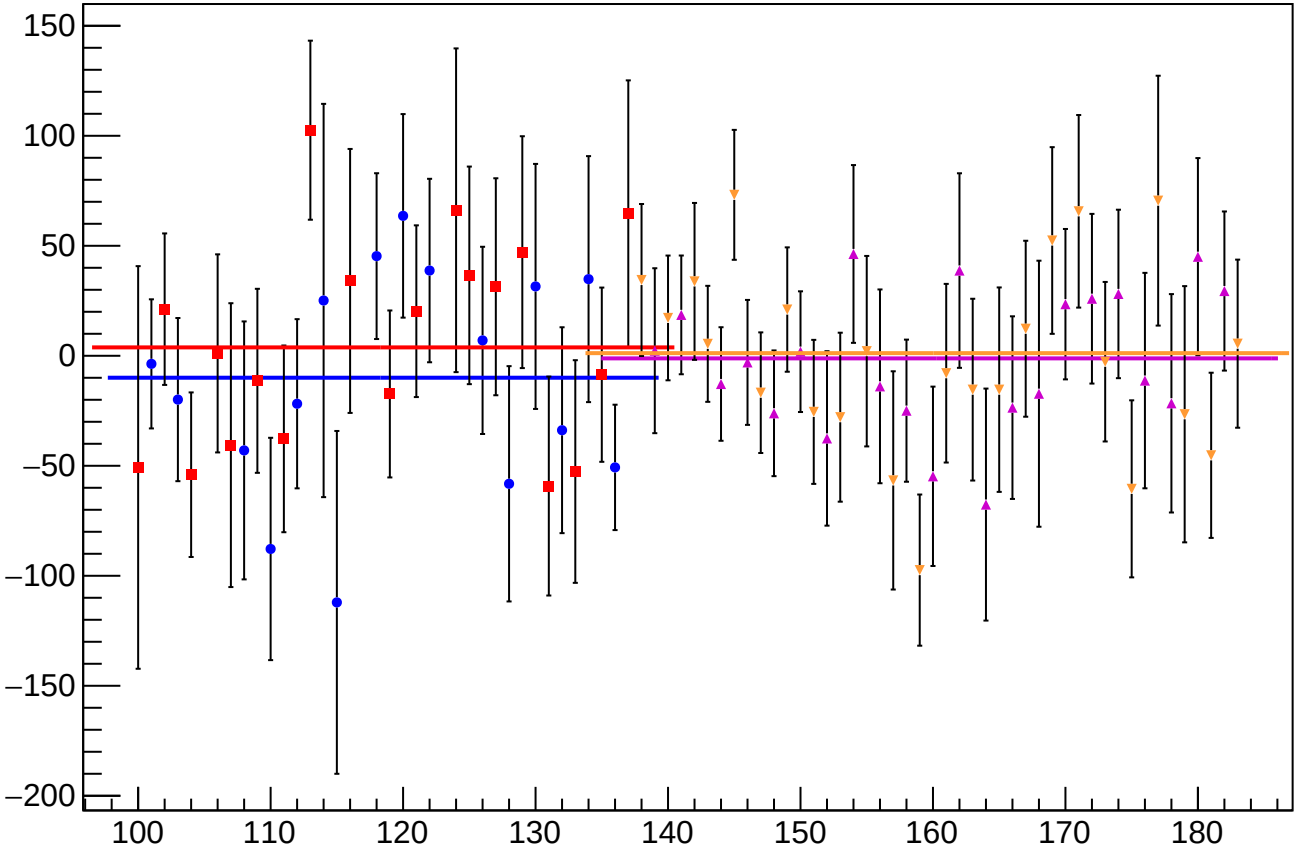
\+ sign -2.364+/-6.121 χ^2/NDF: 45.5/39

All: -0.940+/-4.375 χ^2/NDF: 75.5/80

\- sign 0.547+/-6.255 χ^2/NDF: 29.9/40


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31554.312+/-5.246 χ²/NDF:1586968.9/23
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.593+/-5.468 χ²/NDF:1455714.1/21
+ sign 30662.306+/-4.329 χ²/NDF: 1955218.5/39
All: 30822.871+/-3.093 χ²/NDF: 3633895.1/8
- sign 30990.495+/-4.423 χ²/NDF: 1675864.1/40

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.200+/-7.419 χ^2/NDF:29.5/23

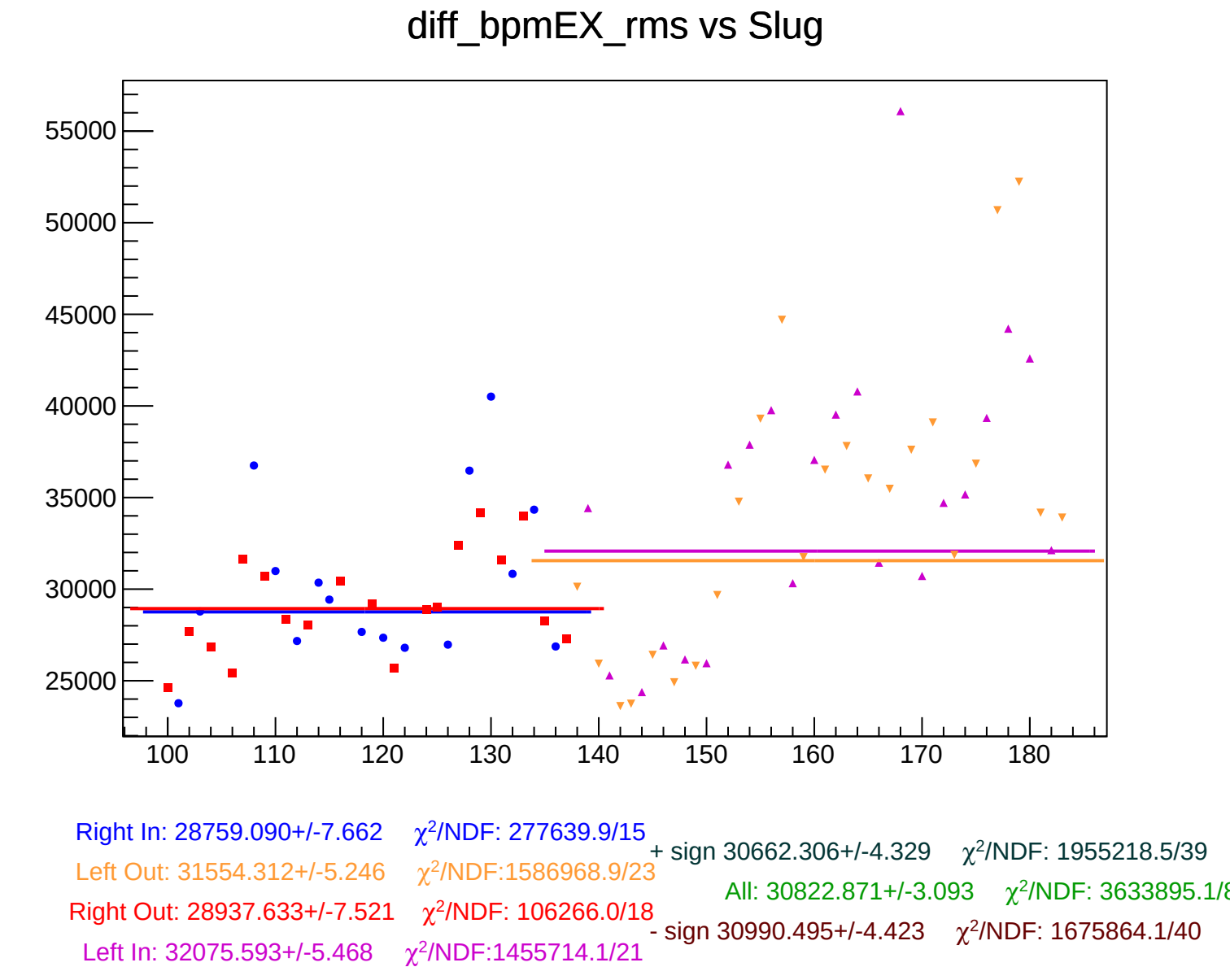
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

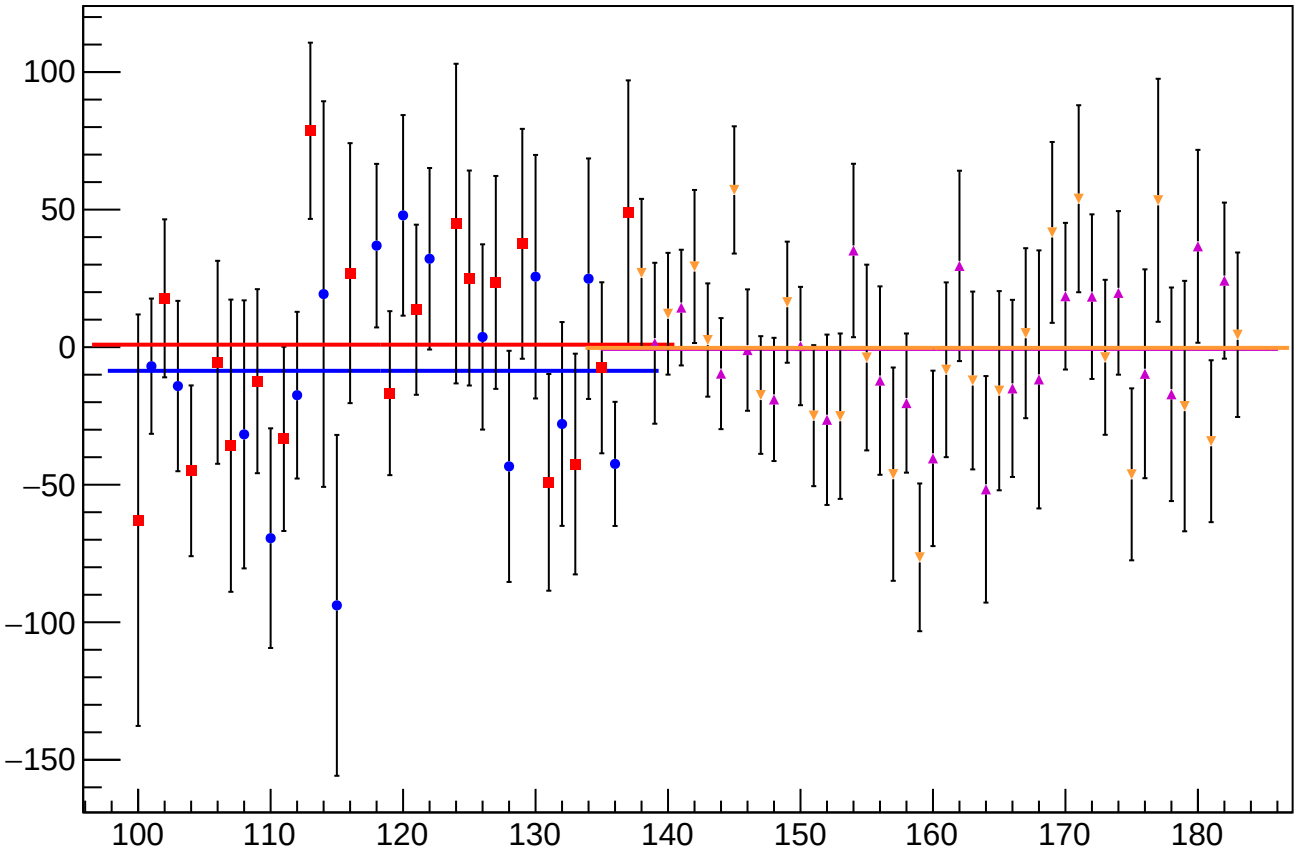
Left In: -1.180+/-7.733 χ^2/NDF:12.5/21

+ sign -2.364+/-6.121 χ^2/NDF: 45.5/39

All: -0.940+/-4.375 χ^2/NDF: 75.5/80

- sign 0.547+/-6.255 χ^2/NDF: 29.9/40


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31554.312+/-5.246 χ²/NDF:1586968.9/23
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.593+/-5.468 χ²/NDF:1455714.1/21
+ sign 30662.306+/-4.329 χ²/NDF: 1955218.5/39
All: 30822.871+/-3.093 χ²/NDF: 3633895.1/8
- sign 30990.495+/-4.423 χ²/NDF: 1675864.1/40



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -0.255+/-5.788 χ^2/NDF:30.7/23

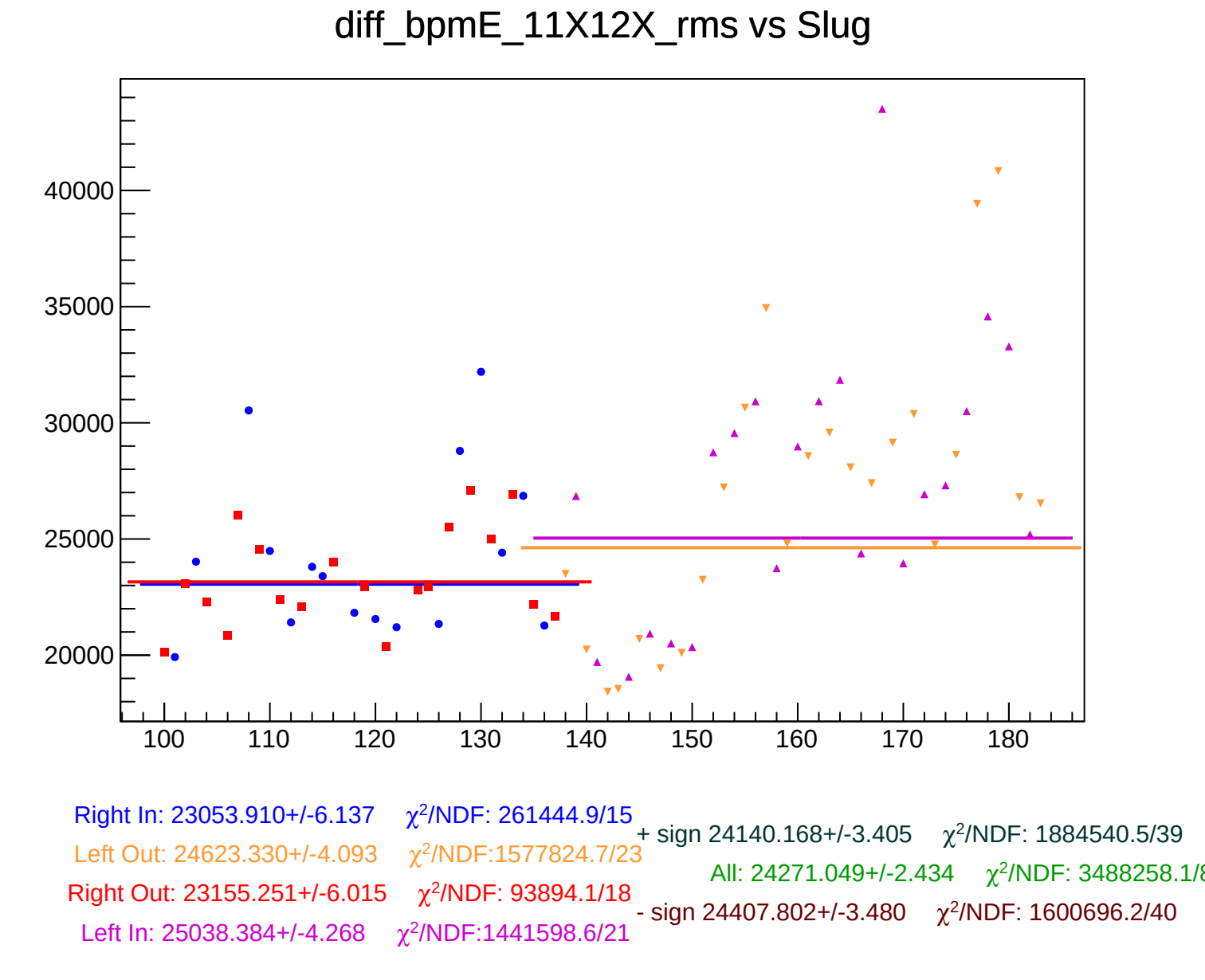
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -0.635+/-6.035 χ^2/NDF:11.7/21

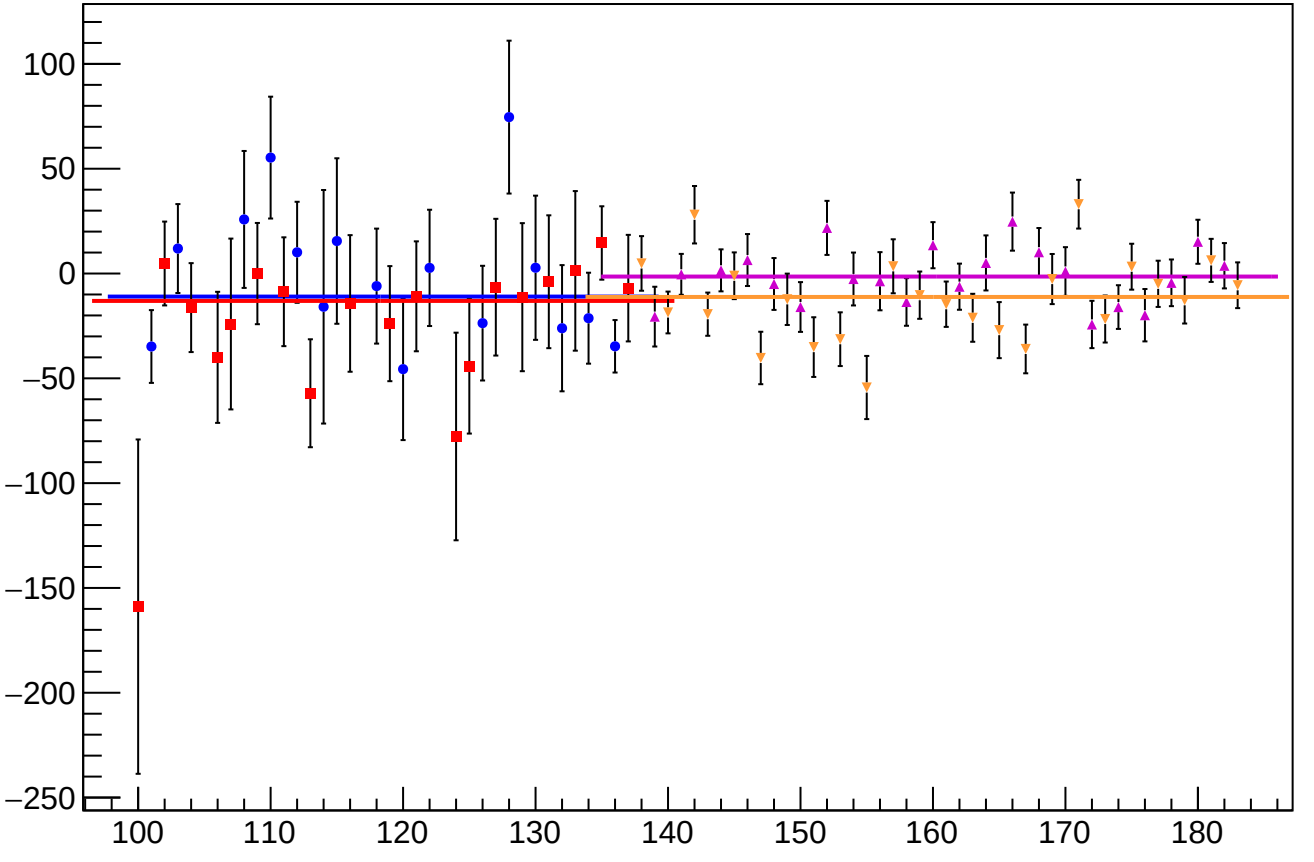
+ sign -2.824+/-4.815 χ^2/NDF: 46.9/39

All: -1.502+/-3.442 χ^2/NDF: 76.4/80

- sign -0.120+/-4.922 χ^2/NDF: 29.3/40


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
180
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 24623.330+/-4.093 χ²/NDF:1577824.7/23
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 25038.384+/-4.268 χ²/NDF:1441598.6/21
+ sign 24140.168+/-3.405 χ²/NDF: 1884540.5/39
All: 24271.049+/-2.434 χ²/NDF: 3488258.1/8
- sign 24407.802+/-3.480 χ²/NDF: 1600696.2/40

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -11.179+/-2.389 χ^2/NDF:59.9/23

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

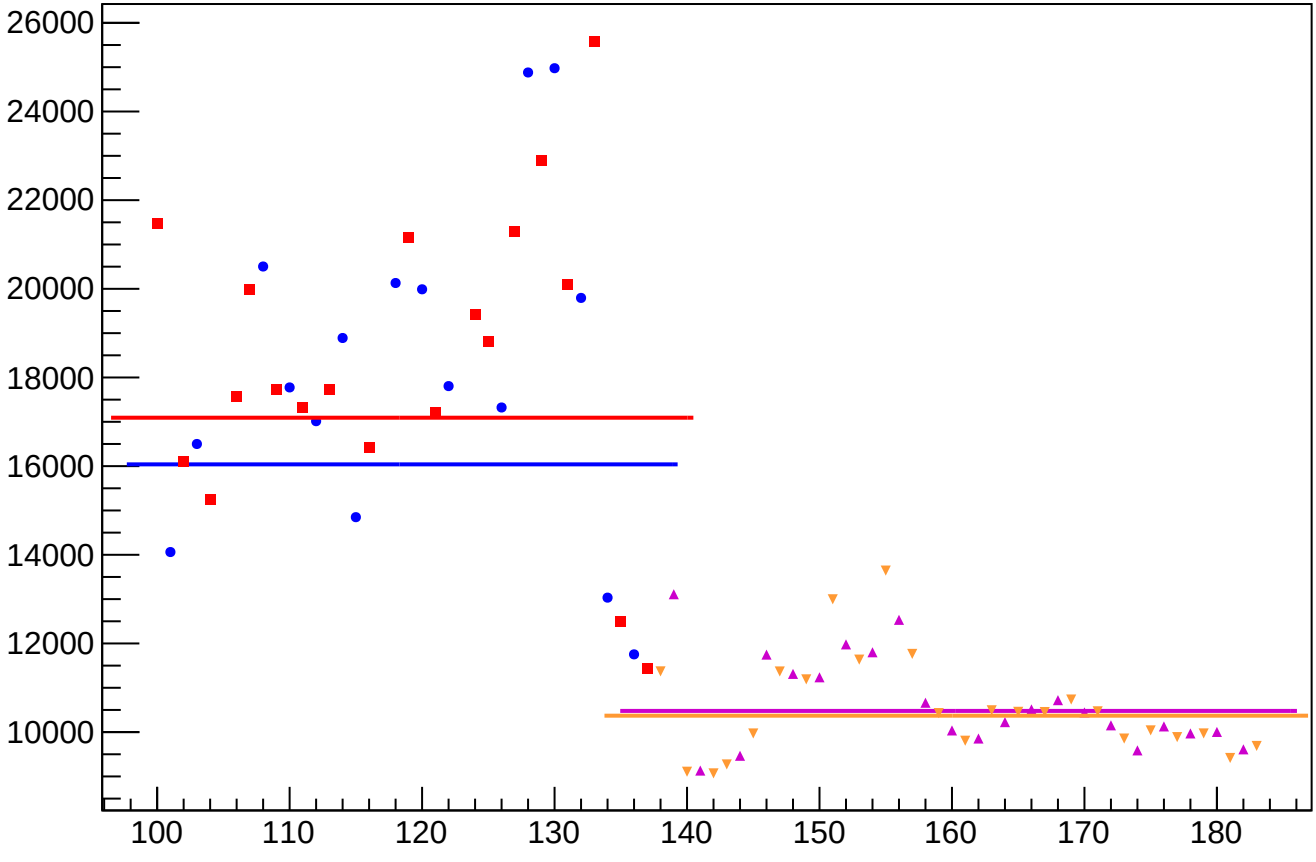
Left In: -1.446+/-2.482 χ^2/NDF:26.2/21

+ sign -11.156+/-2.227 χ^2/NDF: 81.9/39

All: -7.219+/-1.604 χ^2/NDF: 131.4/80

- sign -2.973+/-2.313 χ^2/NDF: 43.0/40

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10370.616+/-1.689 χ^2/NDF:359744.4/23

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

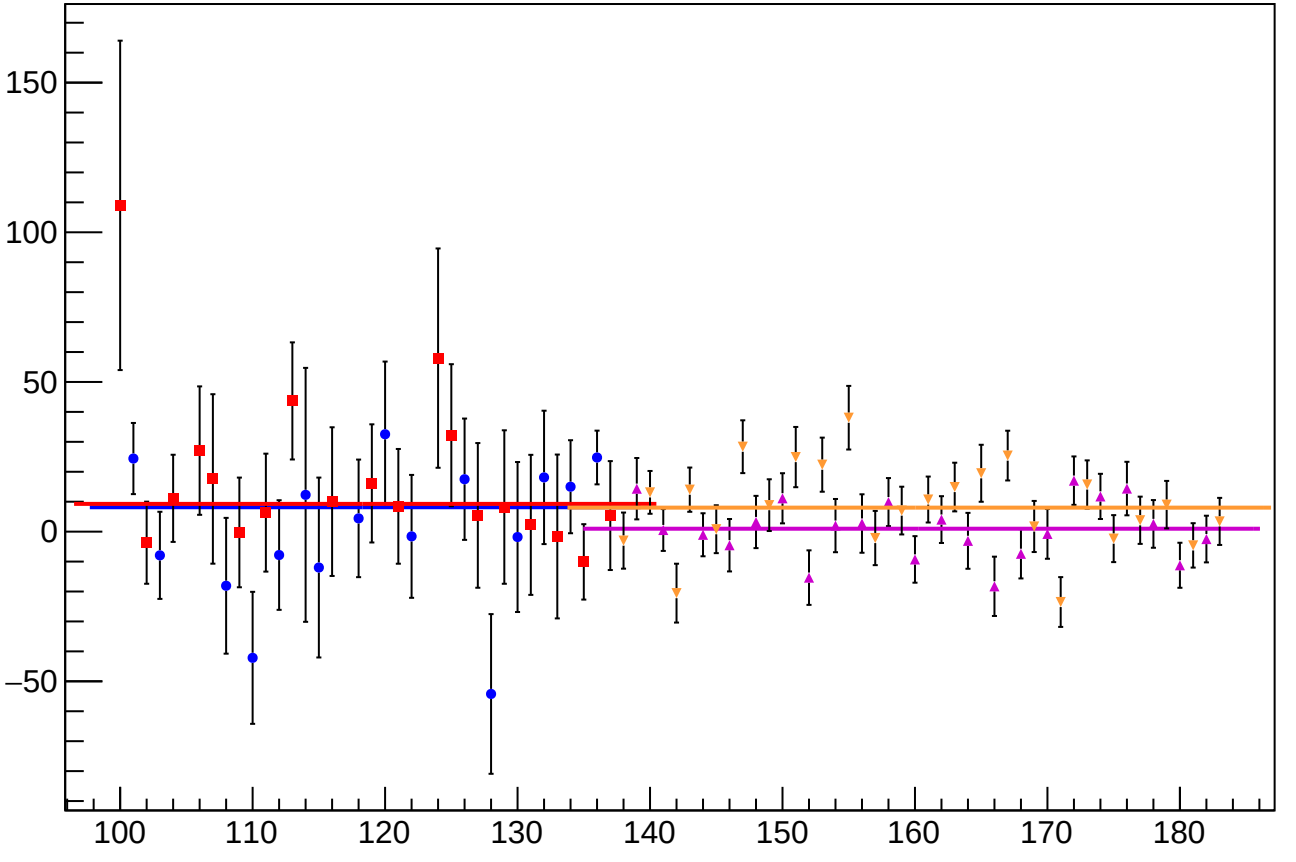
Left In: 10478.229+/-1.755 χ^2/NDF:308618.4/21

+ sign 11113.073+/-1.575 χ^2/NDF: 2557140.5/39

All: 11225.668+/-1.134 χ^2/NDF: 5278031.5/8

- sign 11347.091+/-1.636 χ^2/NDF: 2710268.6/40

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 8.017+/-1.705 χ^2/NDF:59.5/23

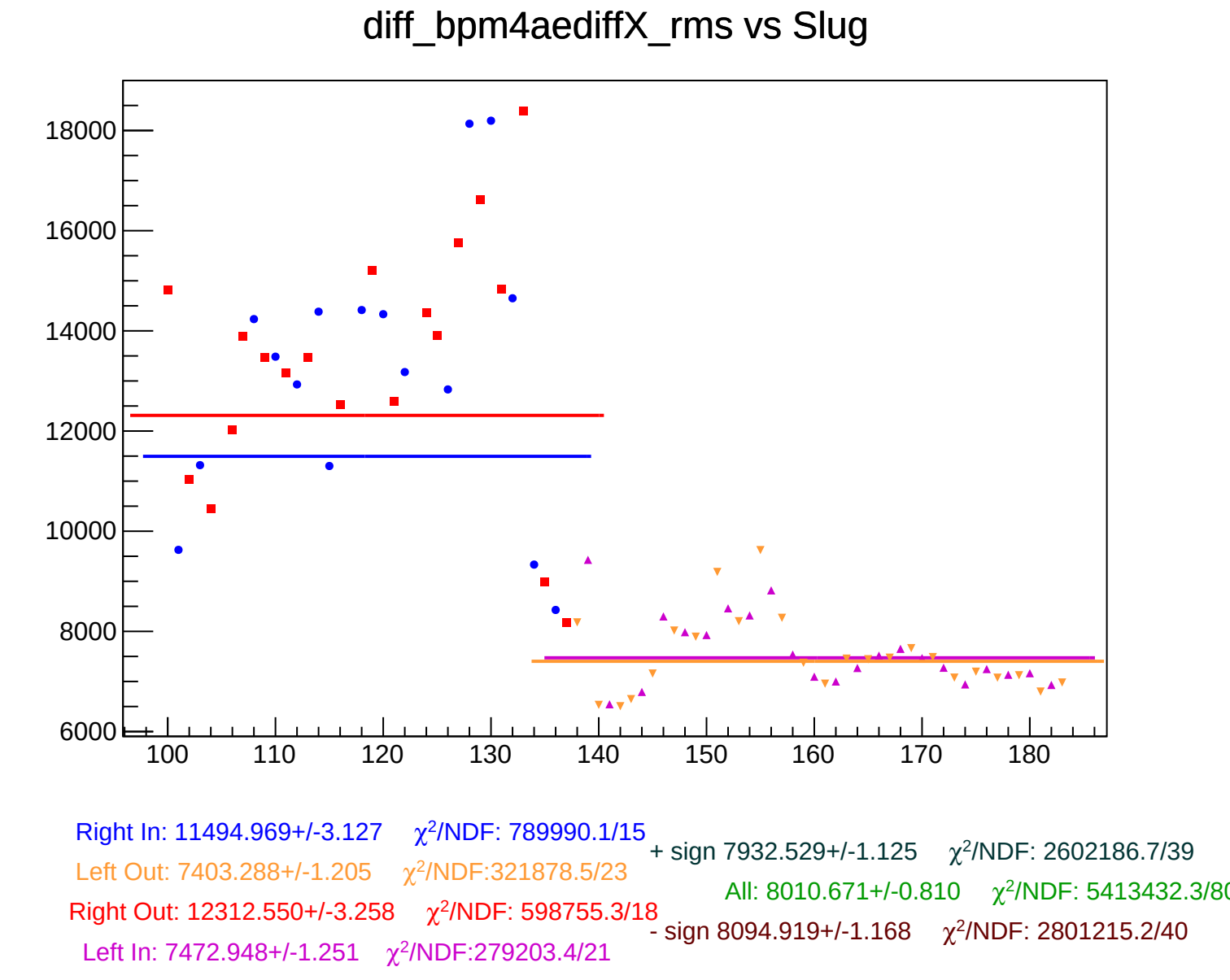
Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: 0.973+/-1.769 χ^2/NDF:26.2/21

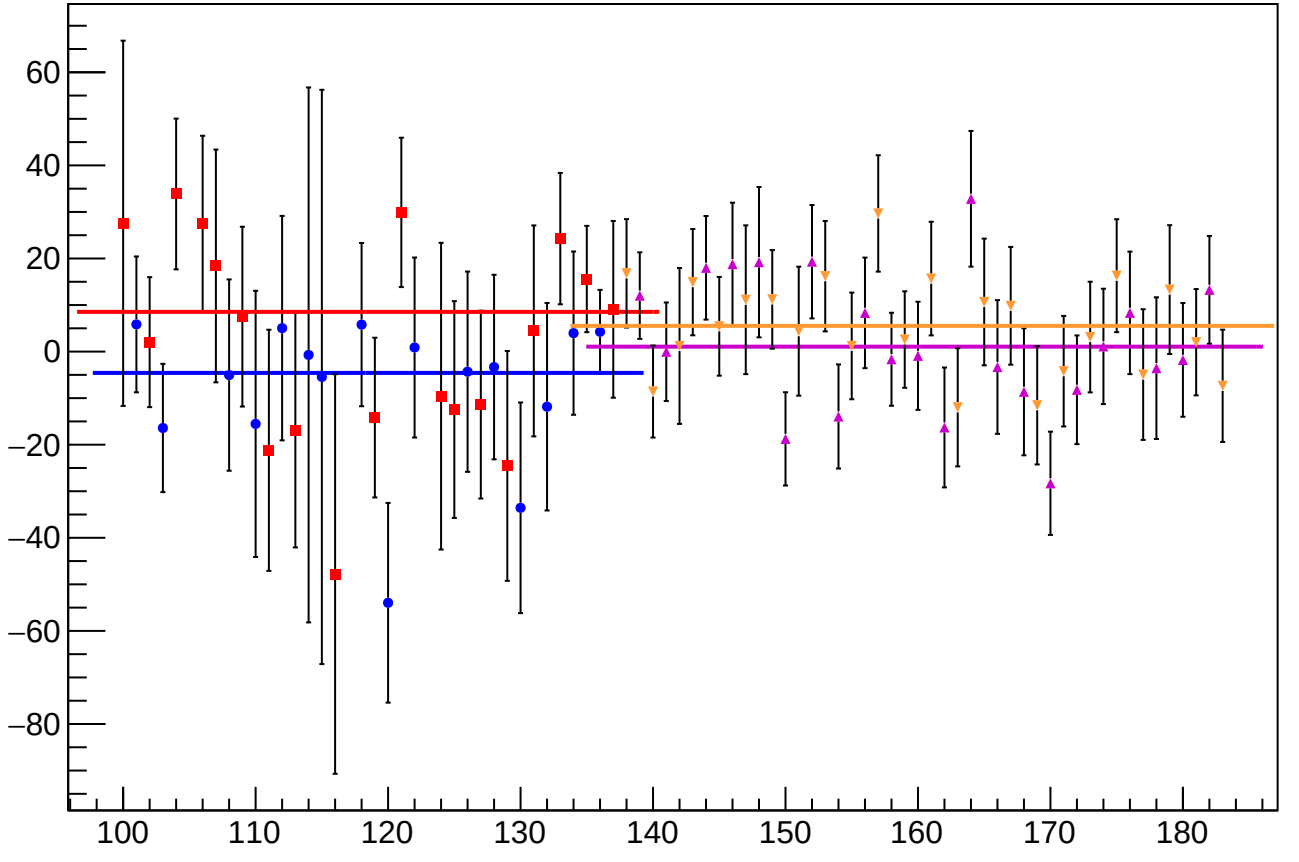
+ sign 8.034+/-1.591 χ^2/NDF: 81.3/39

All: 5.149+/-1.146 χ^2/NDF: 131.1/80

- sign 2.039+/-1.652 χ^2/NDF: 42.9/40


diff_bpm4aediffX_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 11494.969+/-3.127 χ²/NDF: 789990.1/15
Left Out: 7403.288+/-1.205 χ²/NDF:321878.5/23
Right Out: 12312.550+/-3.258 χ²/NDF: 598755.3/18
Left In: 7472.948+/-1.251 χ²/NDF:279203.4/21
+ sign 7932.529+/-1.125 χ²/NDF: 2602186.7/39
All: 8010.671+/-0.810 χ²/NDF: 5413432.3/80
- sign 8094.919+/-1.168 χ²/NDF: 2801215.2/40

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.524+/-2.479 χ^2/NDF:17.2/23

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

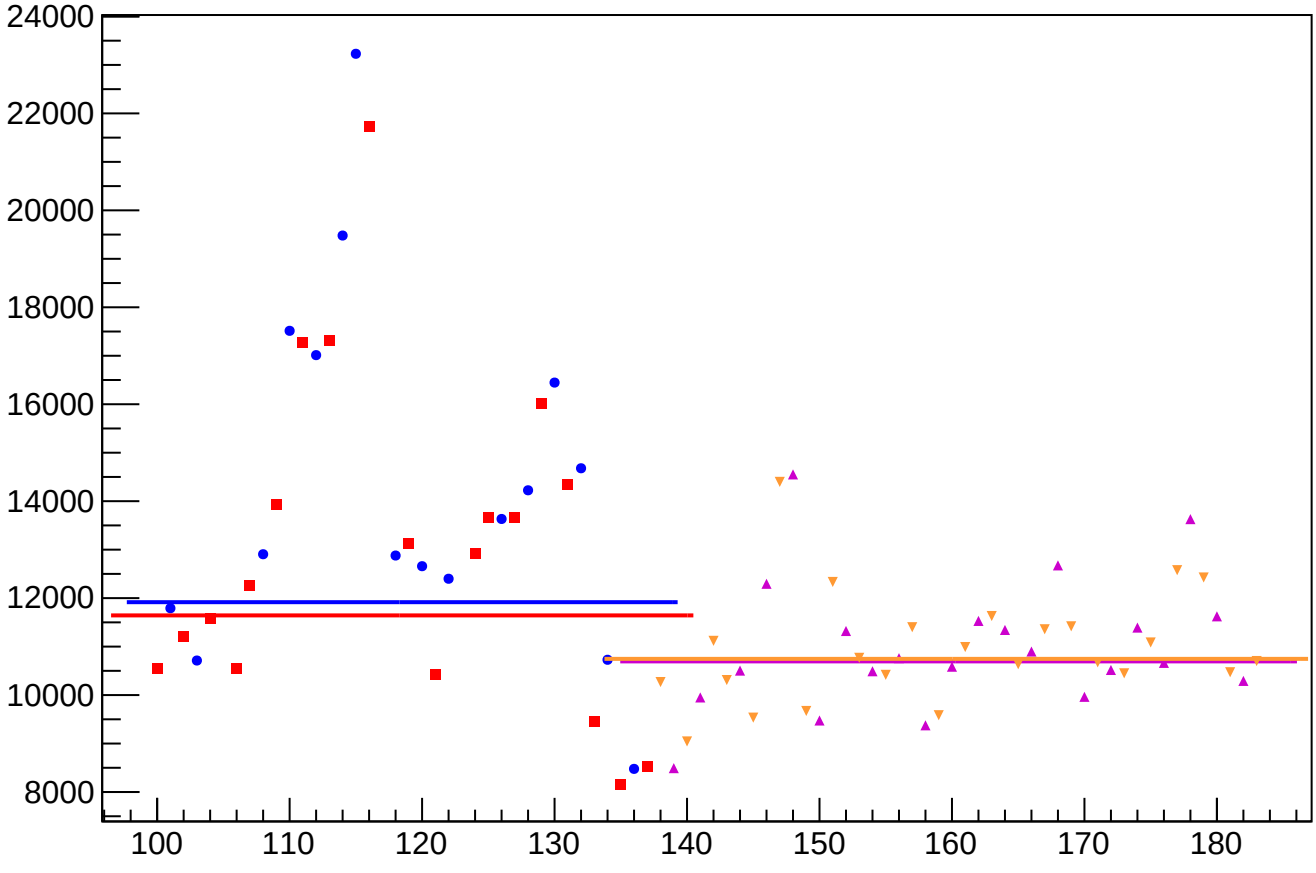
Left In: 1.058+/-2.544 χ^2/NDF:31.6/21

+ sign 3.215+/-2.177 χ^2/NDF: 31.2/39

All: 3.078+/-1.548 χ^2/NDF: 82.1/80

- sign 2.937+/-2.201 χ^2/NDF: 50.9/40

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10746.952+/-1.753 χ^2/NDF:364708.5/23

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

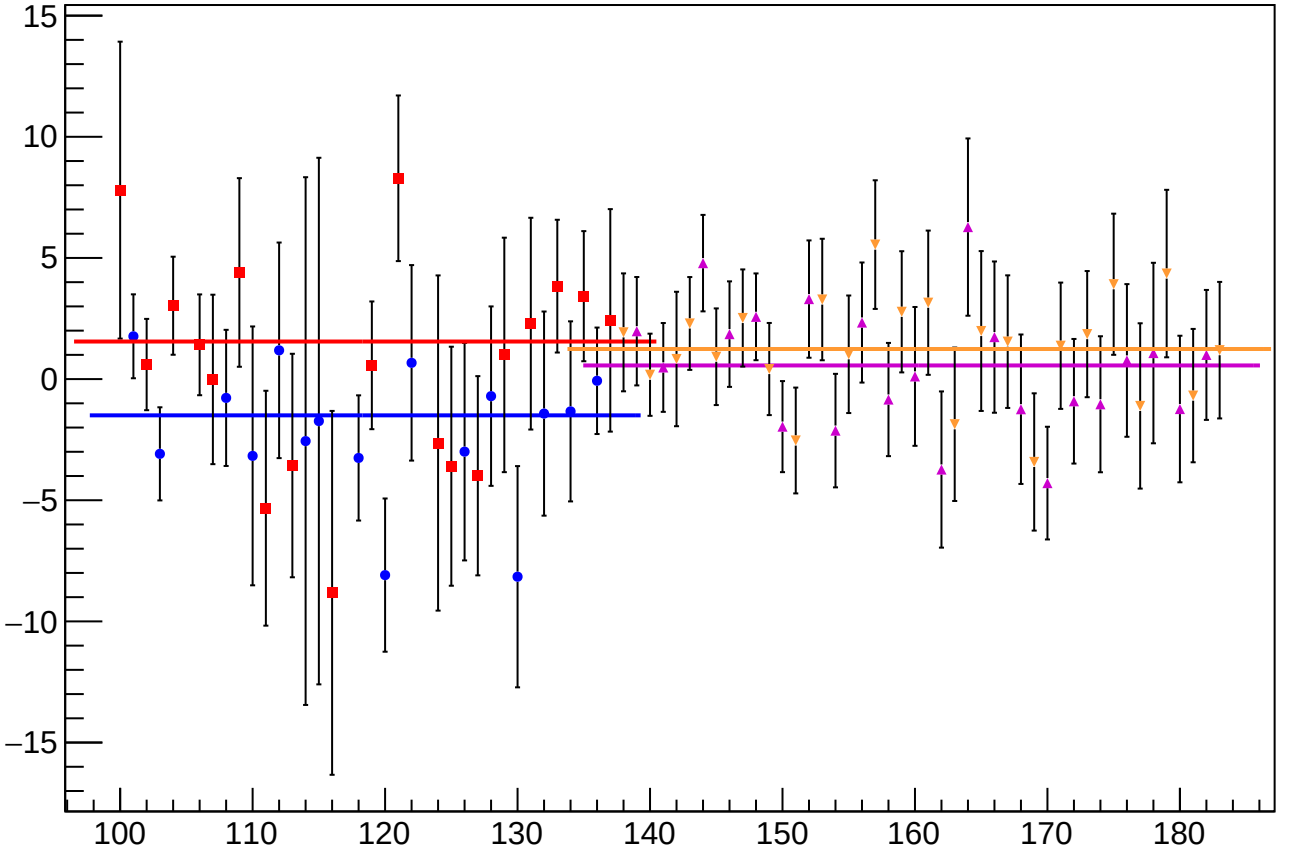
Left In: 10694.901+/-1.799 χ^2/NDF:495622.5/21

\+ sign 11014.203+/-1.539 χ^2/NDF: 1216220.4/39

All: 10974.132+/-1.095 χ^2/NDF: 2573447.6/8

\- sign 10933.169+/-1.556 χ^2/NDF: 1355857.1/40

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.242+/-0.504 χ^2/NDF:14.9/23

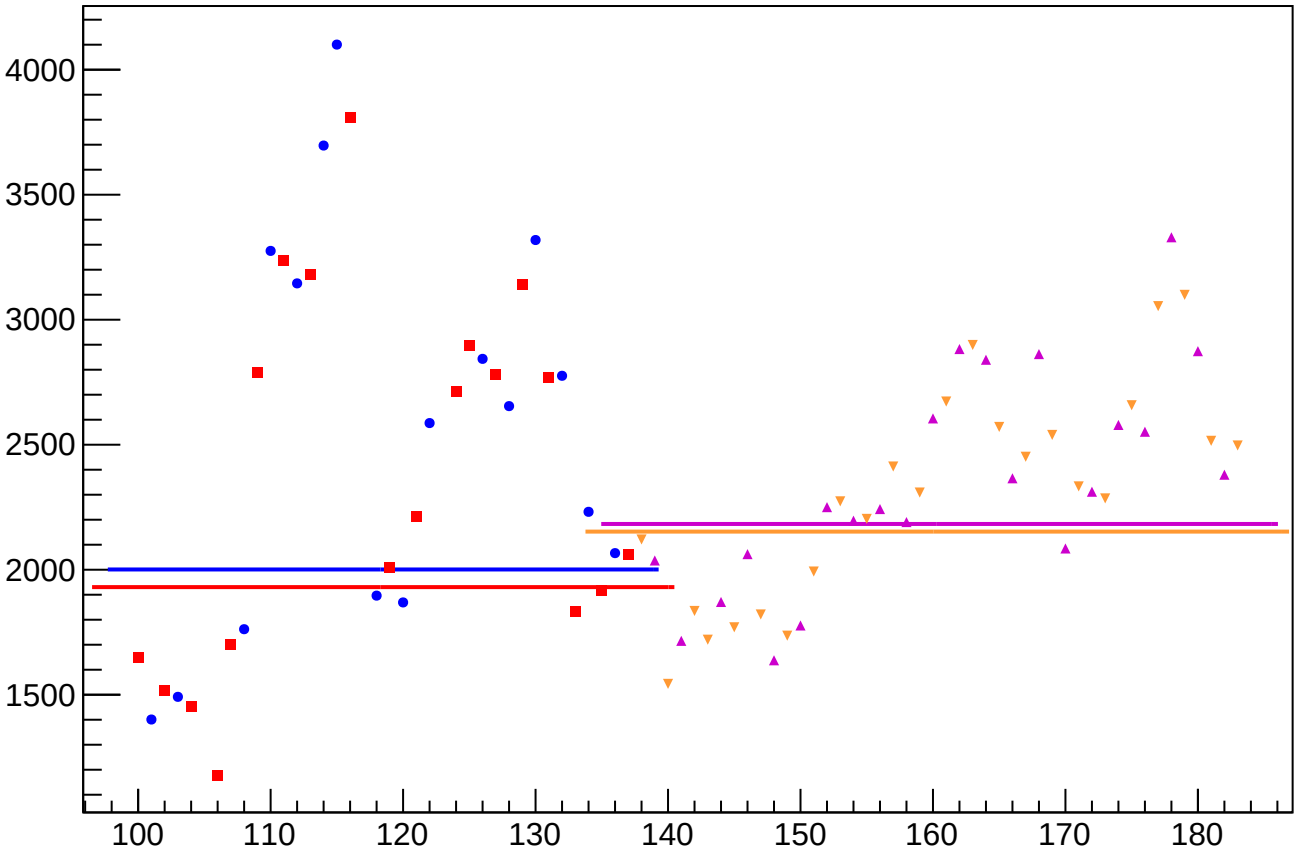
Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: 0.563+/-0.524 χ^2/NDF:21.9/21

+ sign 0.433+/-0.423 χ^2/NDF: 36.2/39

All: 0.659+/-0.301 χ^2/NDF: 76.2/80

- sign 0.891+/-0.429 χ^2/NDF: 39.4/40



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2152.467+/-0.356 χ^2/NDF:1349266.5/23

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

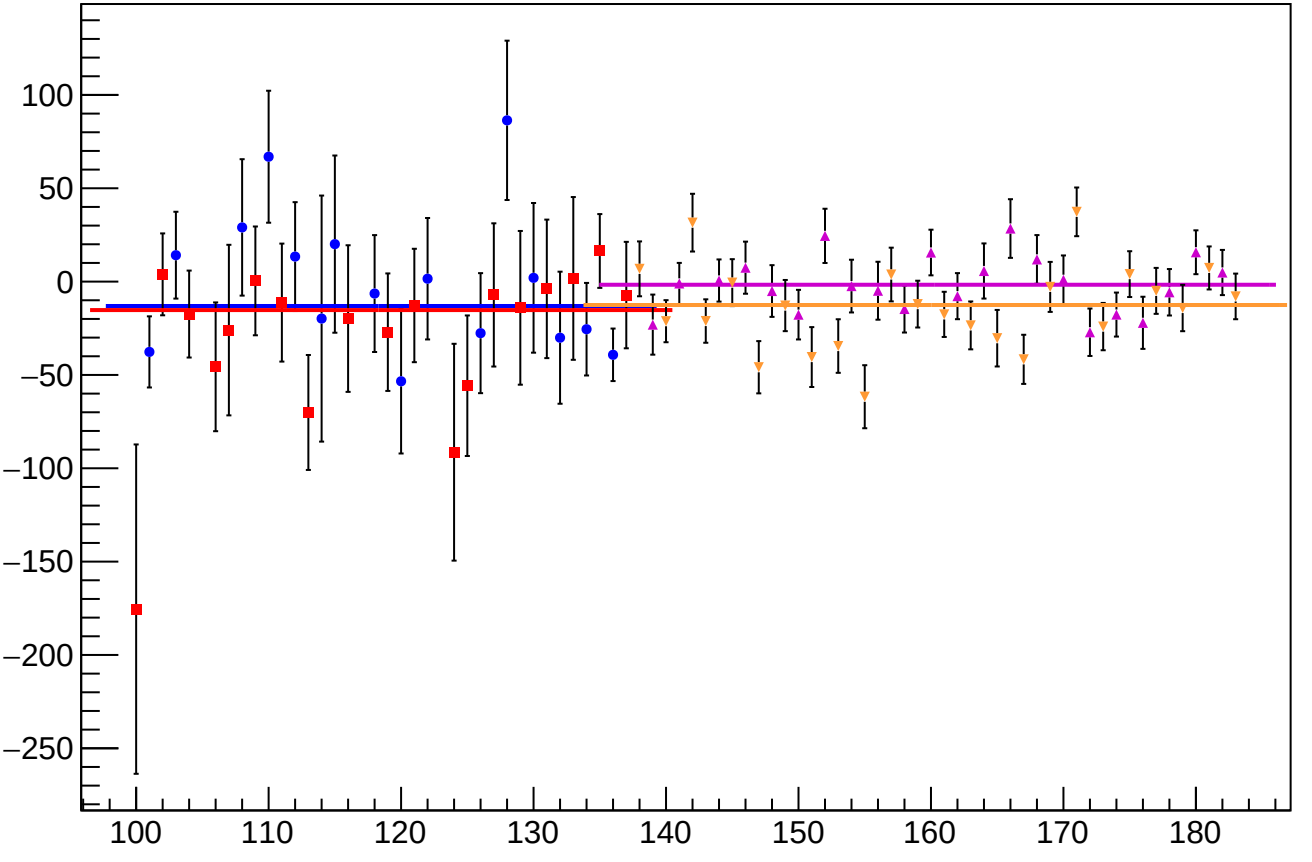
Left In: 2183.023+/-0.371 χ^2/NDF:1162173.0/21

+ sign 2107.733+/-0.299 χ^2/NDF: 2592434.7/39

All: 2103.579+/-0.213 χ^2/NDF: 5312460.1/80

- sign 2099.312+/-0.303 χ^2/NDF: 2719634.3/40

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -12.538+/-2.683 χ^2/NDF:61.2/23

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

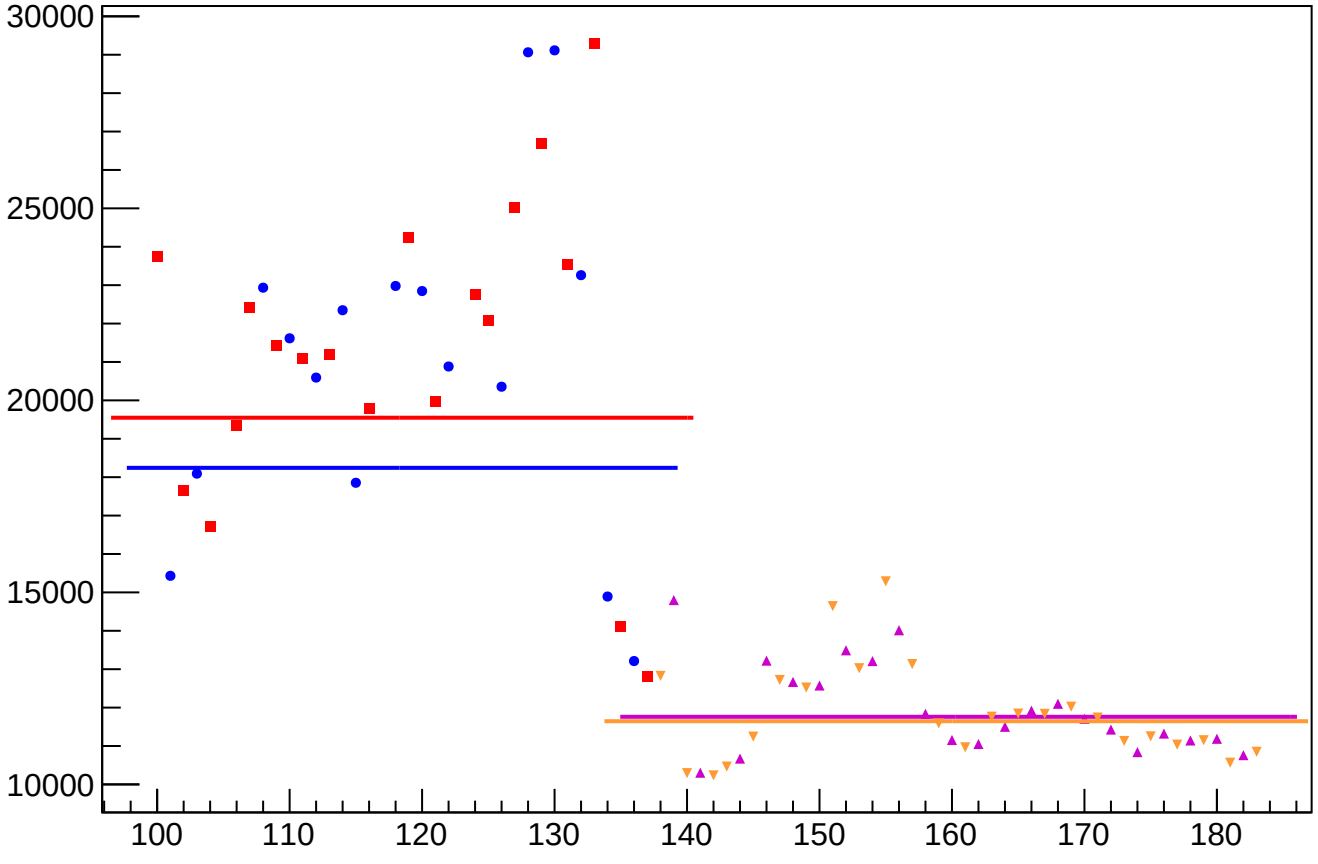
Left In: -1.685+/-2.785 χ^2/NDF:26.0/21

+ sign -12.605+/-2.506 χ^2/NDF: 83.1/39

All: -8.178+/-1.805 χ^2/NDF: 132.9/80

- sign -3.401+/-2.603 χ^2/NDF: 43.3/40

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11644.982+/-1.897 χ^2/NDF:352213.2/23

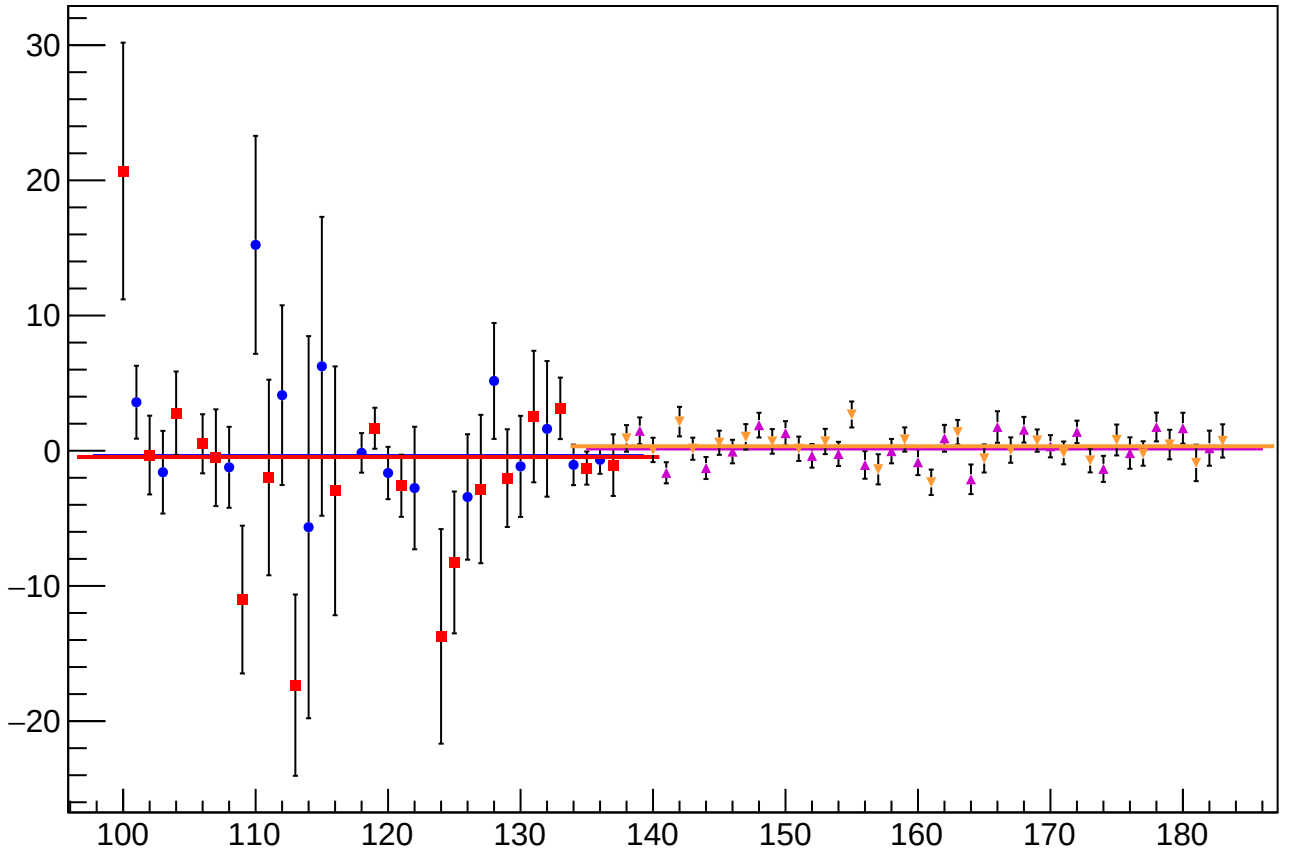
Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11760.518+/-1.970 χ^2/NDF:307195.3/21

+ sign 12484.397+/-1.772 χ^2/NDF: 2711419.9/39

All: 12609.937+/-1.277 χ^2/NDF: 5627962.5/8

- sign 12745.410+/-1.841 χ^2/NDF: 2906108.0/40



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.334+/-0.195 χ^2/NDF:26.6/23

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

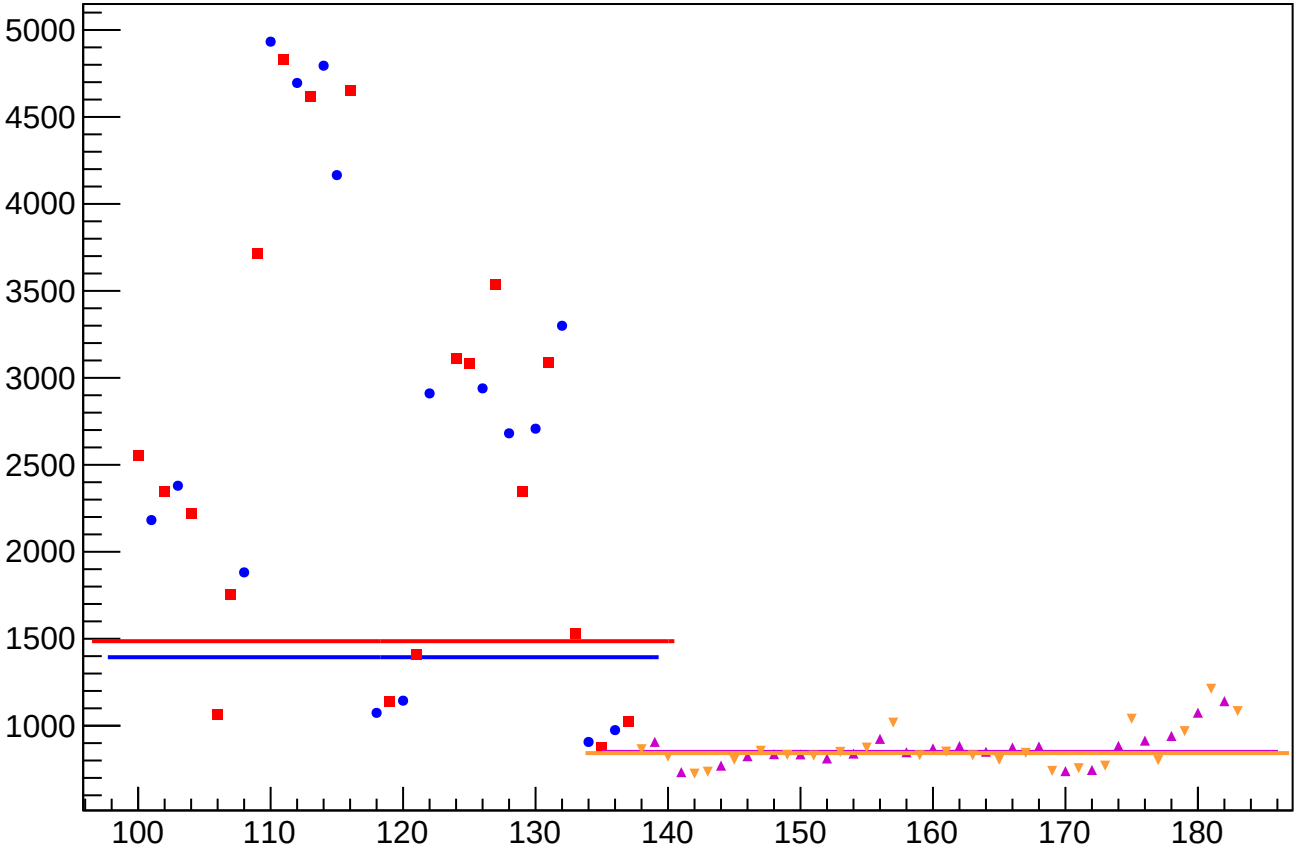
Left In: 0.167+/-0.202 χ^2/NDF:36.3/21

+ sign 0.264+/-0.185 χ^2/NDF: 38.3/39

All: 0.190+/-0.134 χ^2/NDF: 104.0/80

- sign 0.109+/-0.192 χ^2/NDF: 65.3/40

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 842.632+/-0.138 χ^2/NDF:503366.3/23

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

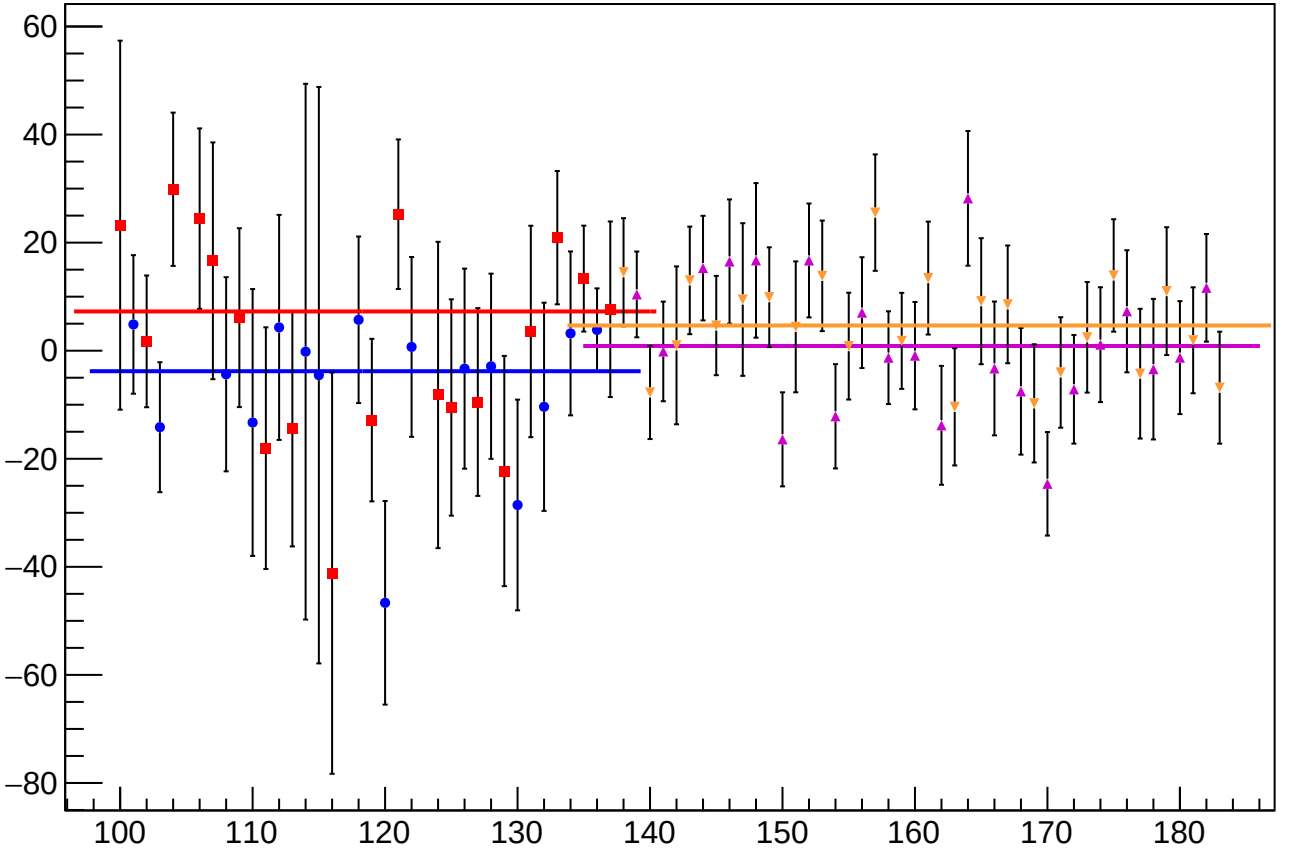
Left In: 849.554+/-0.143 χ^2/NDF:363837.3/21

+ sign 895.251+/-0.131 χ^2/NDF: 5410930.3/39

All: 901.495+/-0.094 χ^2/NDF: 11008517.8/80

- sign 908.223+/-0.136 χ^2/NDF: 5592875.1/40

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 4.676+/-2.139 χ^2/NDF:17.4/23

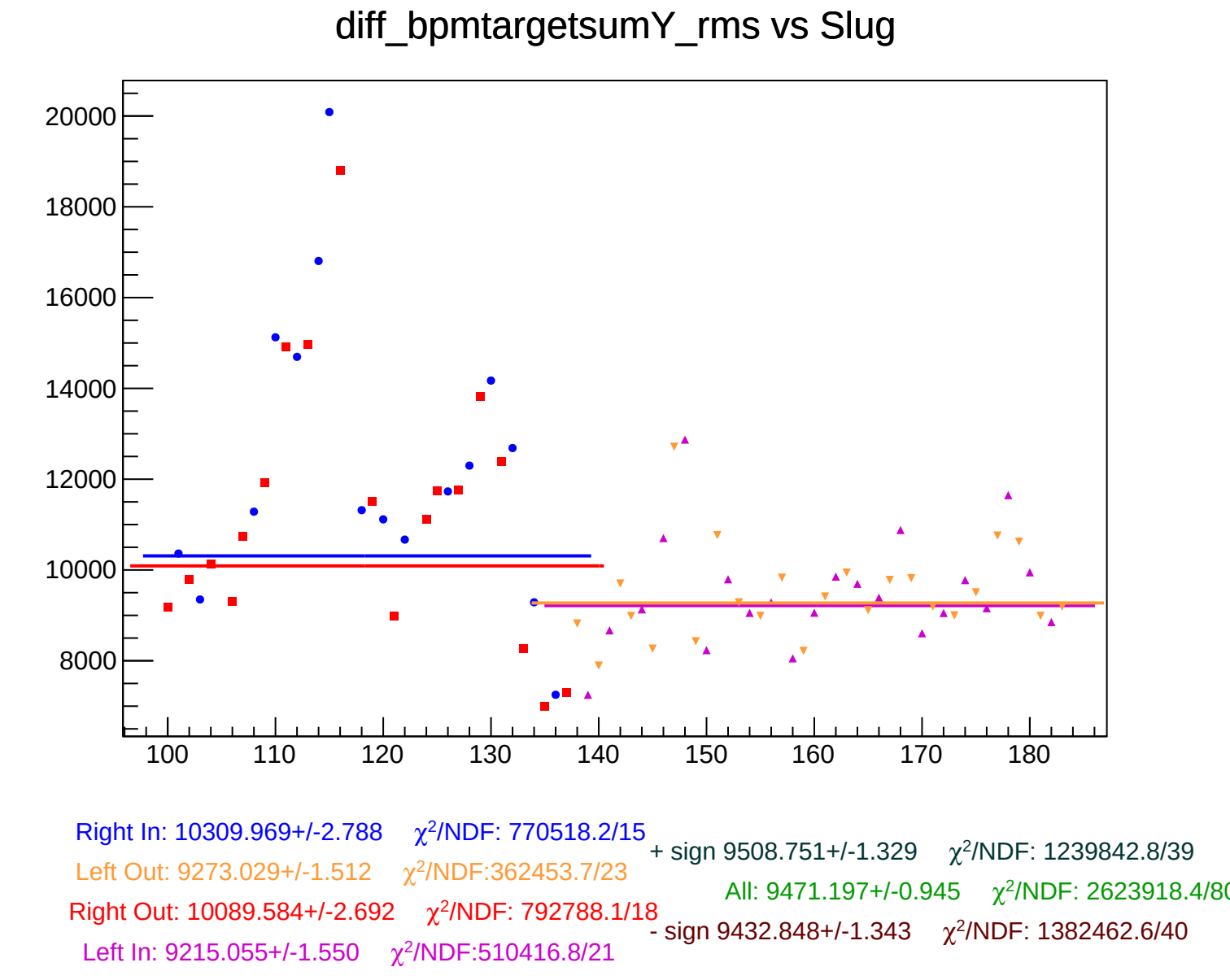
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 0.873+/-2.192 χ^2/NDF:31.8/21

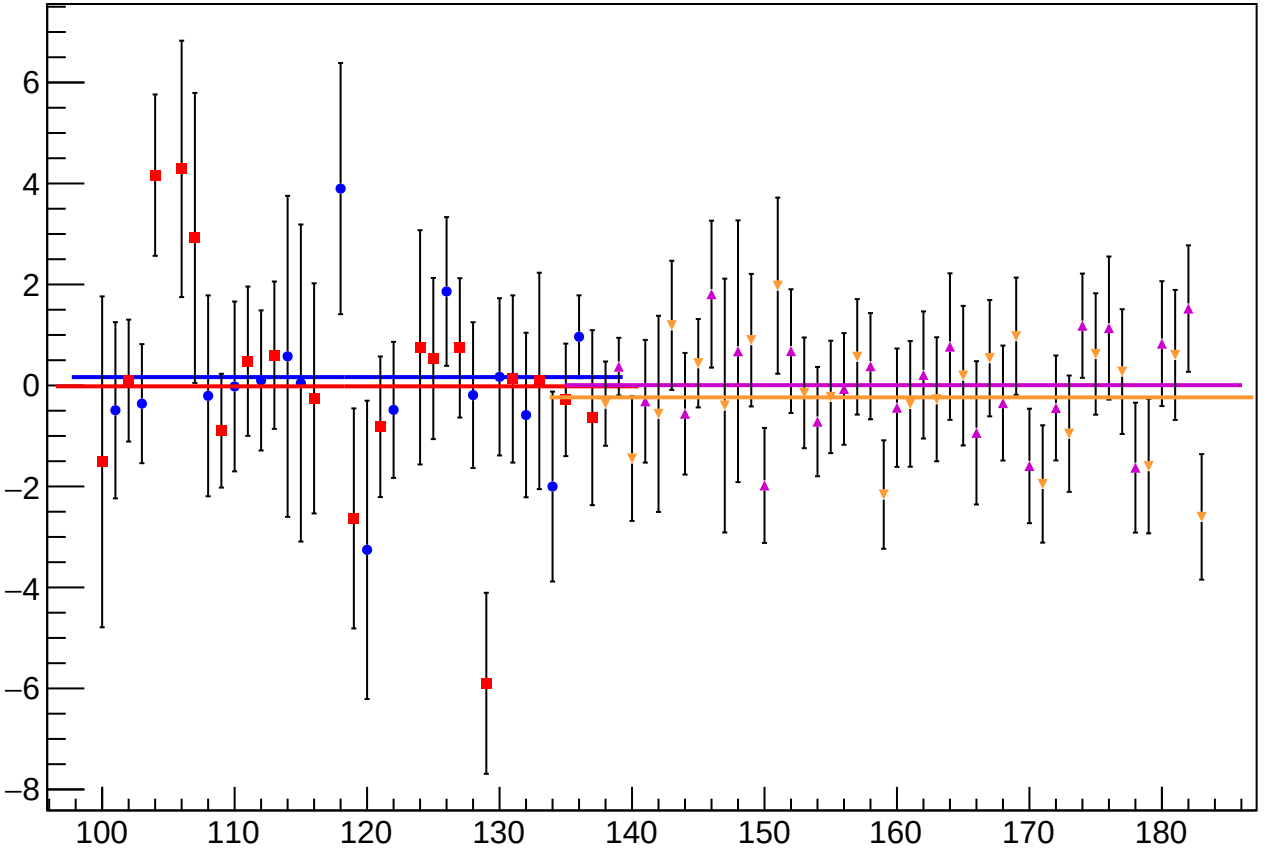
+ sign 2.751+/-1.880 χ^2/NDF: 31.0/39

All: 2.609+/-1.336 χ^2/NDF: 82.2/80

- sign 2.465+/-1.900 χ^2/NDF: 51.2/40


diff_bpmtargetsumY_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9273.029+/-1.512 χ²/NDF:362453.7/23
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9215.055+/-1.550 χ²/NDF:510416.8/21
+ sign 9508.751+/-1.329 χ²/NDF: 1239842.8/39
All: 9471.197+/-0.945 χ²/NDF: 2623918.4/80
- sign 9432.848+/-1.343 χ²/NDF: 1382462.6/40

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.235+/-0.245 χ^2/NDF:18.9/23

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

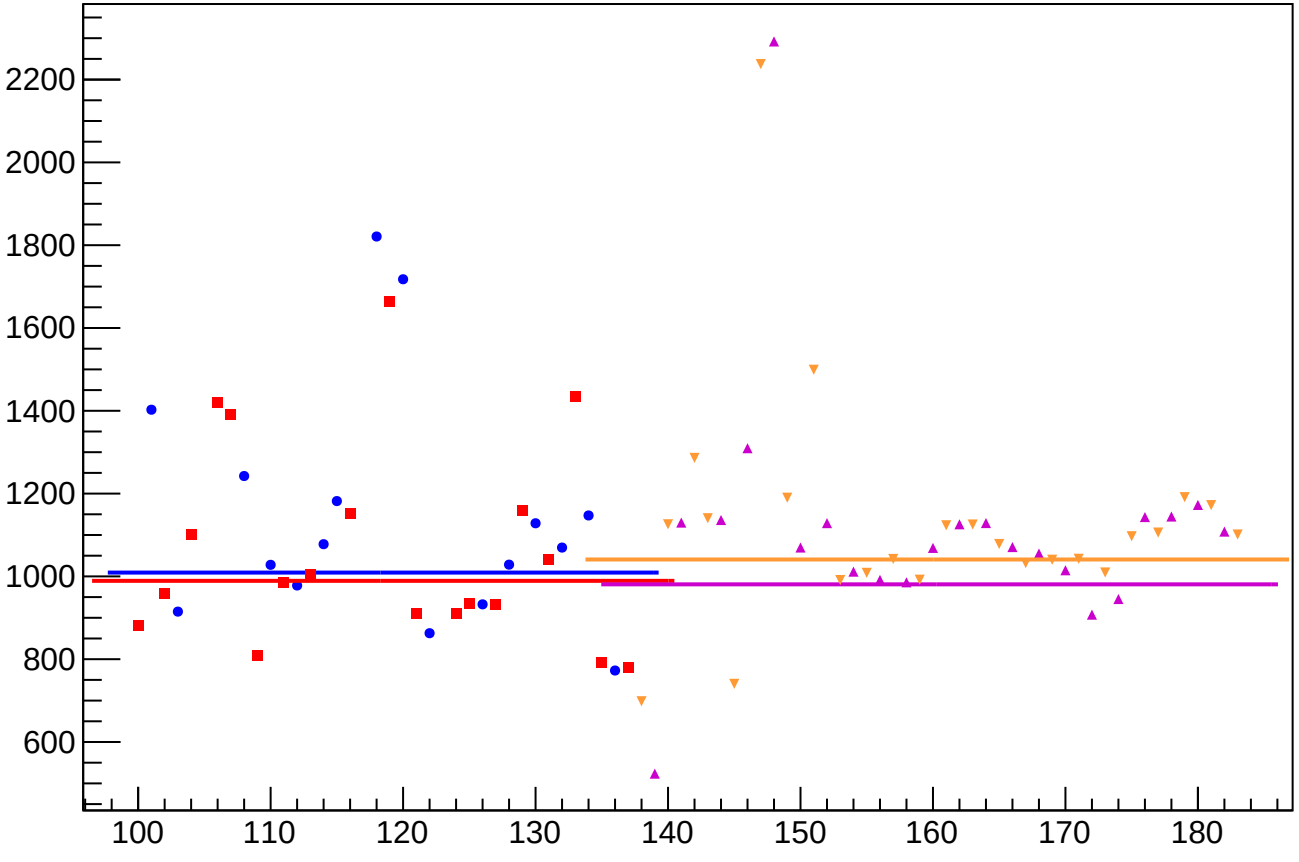
Left In: 0.006+/-0.241 χ^2/NDF:14.9/21

\+ sign -0.120+/-0.207 χ^2/NDF: 27.8/39

All: -0.059+/-0.145 χ^2/NDF: 68.0/80

\- sign -0.001+/-0.202 χ^2/NDF: 40.0/40

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1040.841+/-0.174 χ^2/NDF:1335763.9/23

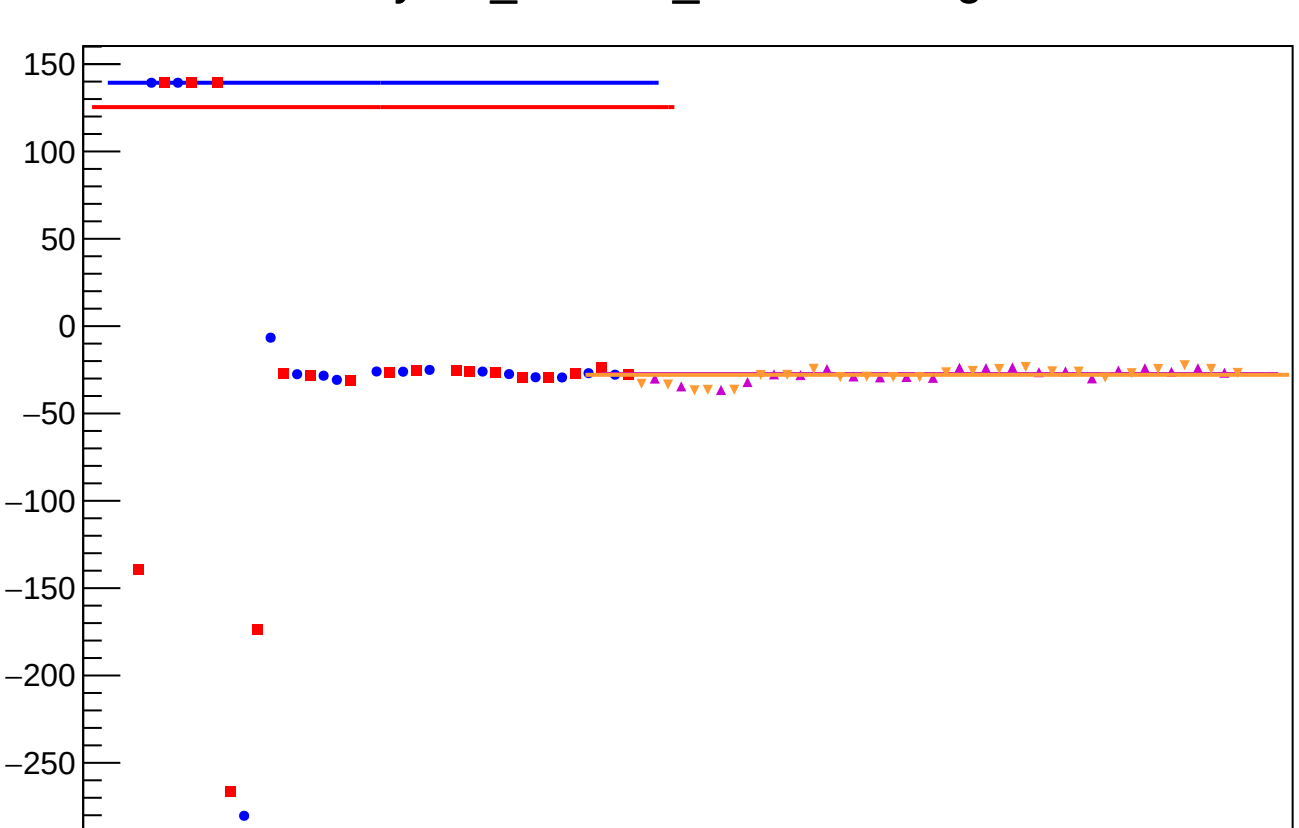
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 980.809+/-0.170 χ^2/NDF:2223447.2/21

+ sign 1031.747+/-0.147 χ^2/NDF: 2044613.0/39

All: 1006.947+/-0.102 χ^2/NDF: 4900522.7/80

- sign 983.301+/-0.143 χ^2/NDF: 2799931.2/40



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -27.862+/-0.000 χ^2/NDF:181576084.6/23

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

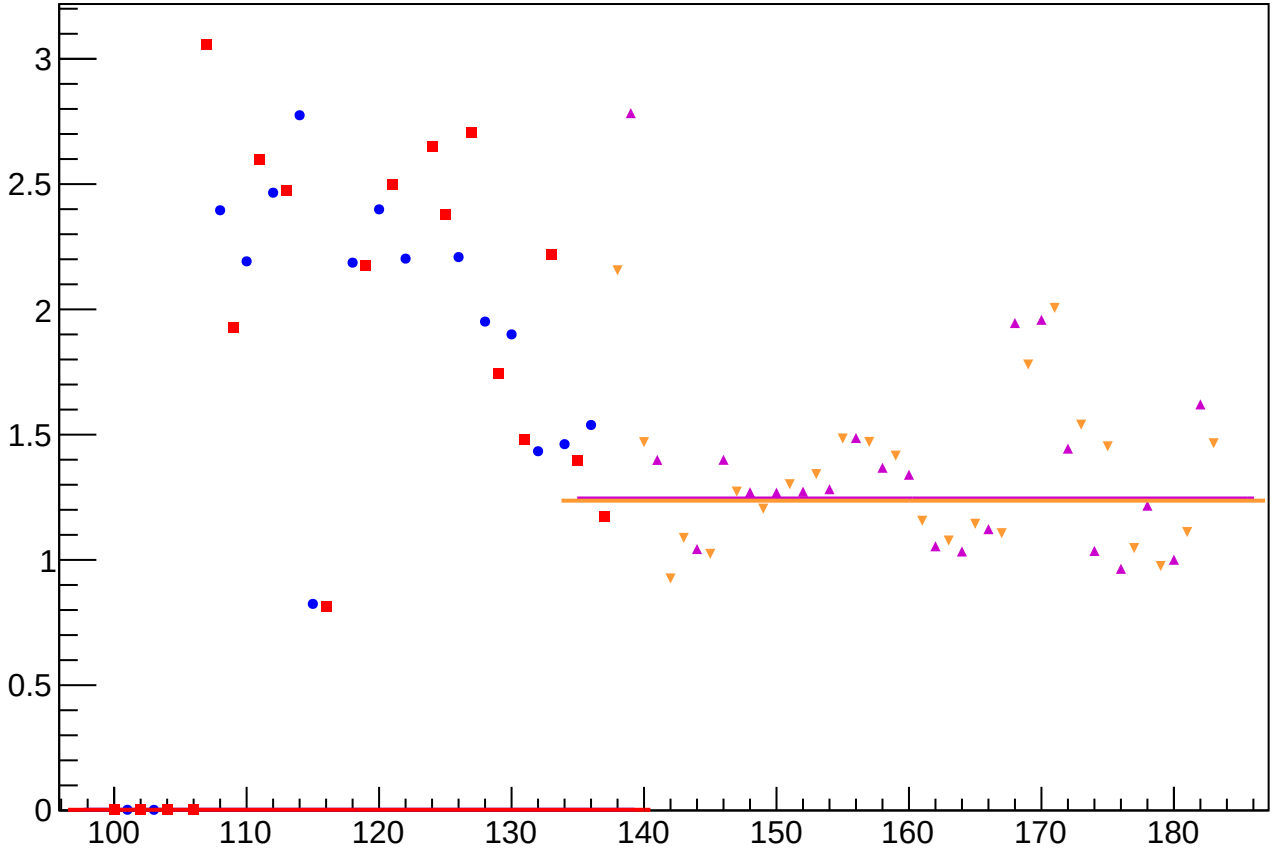
Left In: -27.436+/-0.000 χ^2/NDF:123123465.6/21

+ sign 139.328+/-0.000 χ^2/NDF: 319865056196.1/3

All: 131.810+/-0.000 χ^2/NDF: 79348315341

- sign 125.385+/-0.000 χ^2/NDF: 774384335079218

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.237+/-0.000 χ^2/NDF:1172476.1/23

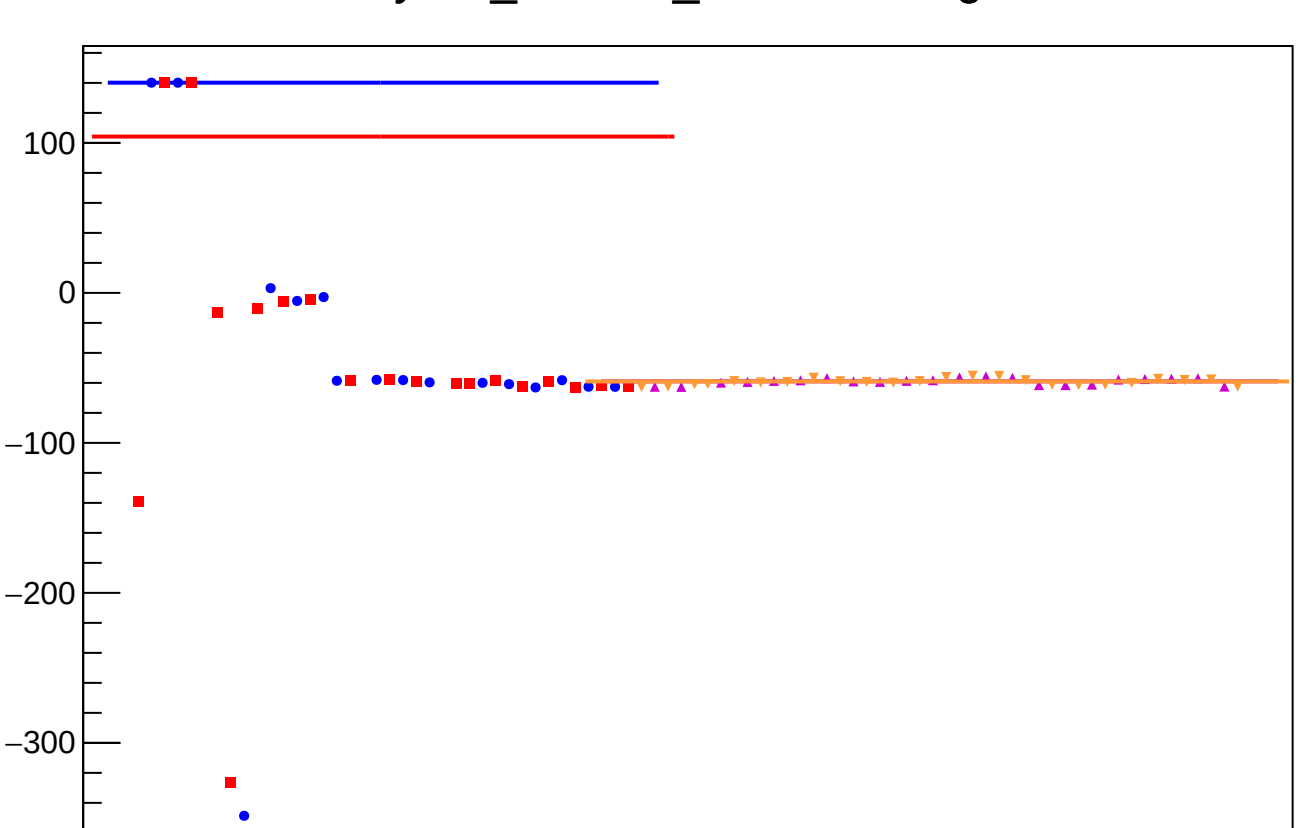
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.245+/-0.000 χ^2/NDF:1429006.0/21

+ sign 0.003+/-0.000 χ^2/NDF: 40429806.4/39

All: 0.003+/-0.000 χ^2/NDF: 79499550.2/80

- sign 0.003+/-0.000 χ^2/NDF: 39069362.9/40



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.036+/-0.000 χ^2/NDF:174570250.3/23

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

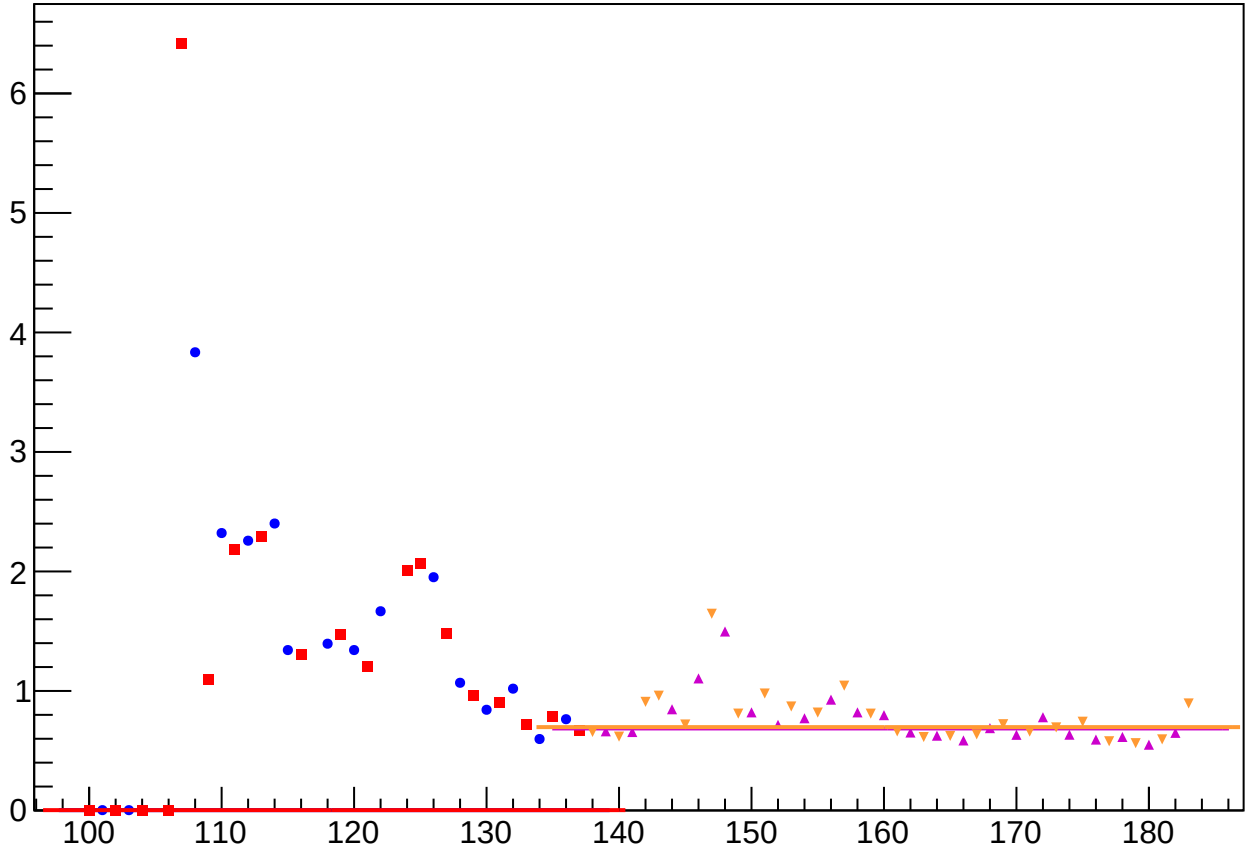
Left In: -58.972+/-0.000 χ^2/NDF:172815338.7/21

+ sign 140.107+/-0.000 χ^2/NDF: 1471722719527.3

All: 120.802+/-0.000 χ^2/NDF: 13829706190

- sign 104.199+/-0.000 χ^2/NDF: 125824843860529

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.697+/-0.000 χ^2/NDF:1337706.1/23

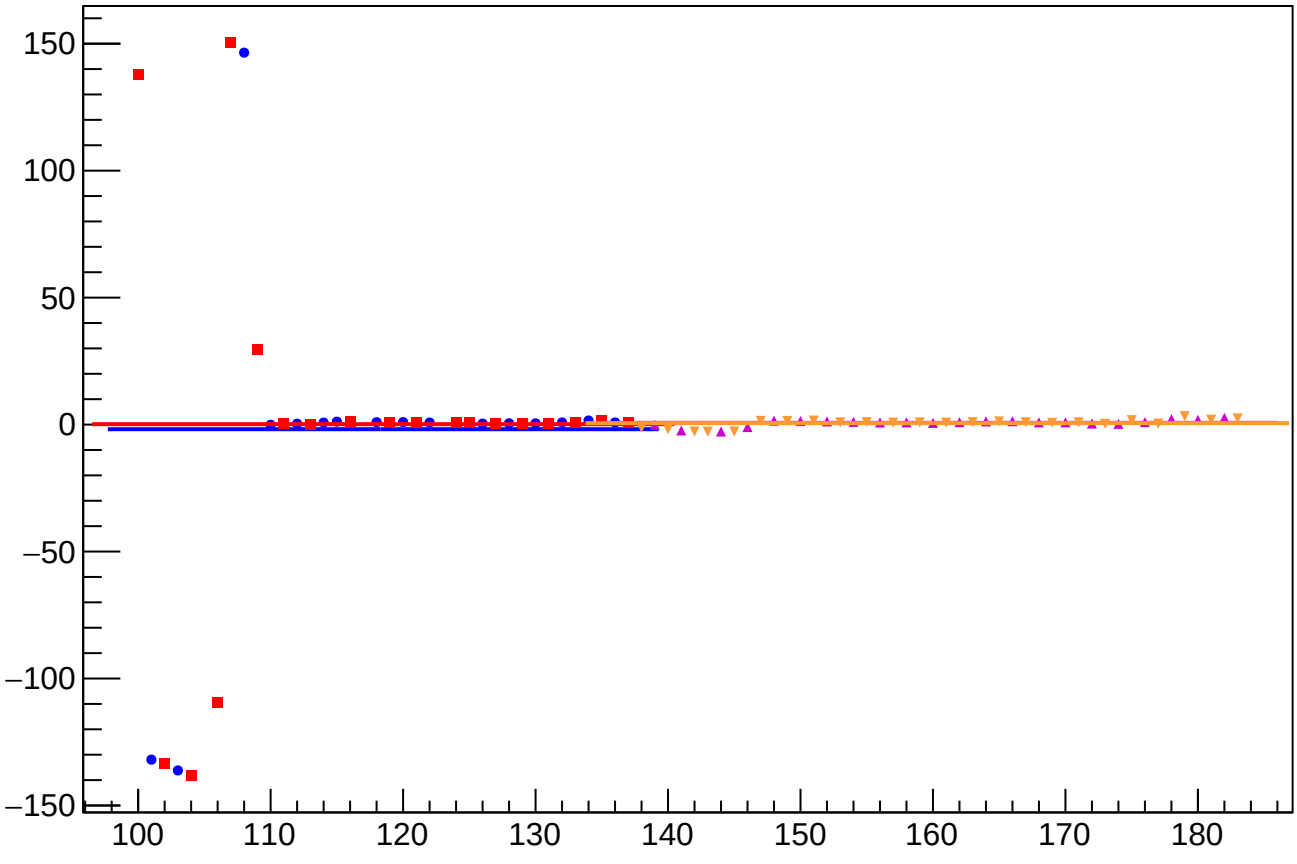
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.686+/-0.000 χ^2/NDF:1090965.3/21

+ sign 0.003+/-0.000 χ^2/NDF: 43153359.7/39

All: 0.003+/-0.000 χ^2/NDF: 84209219.5/80

- sign 0.003+/-0.000 χ^2/NDF: 41055296.4/40



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.571+/-0.000 χ^2/NDF:154313158.7/23

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

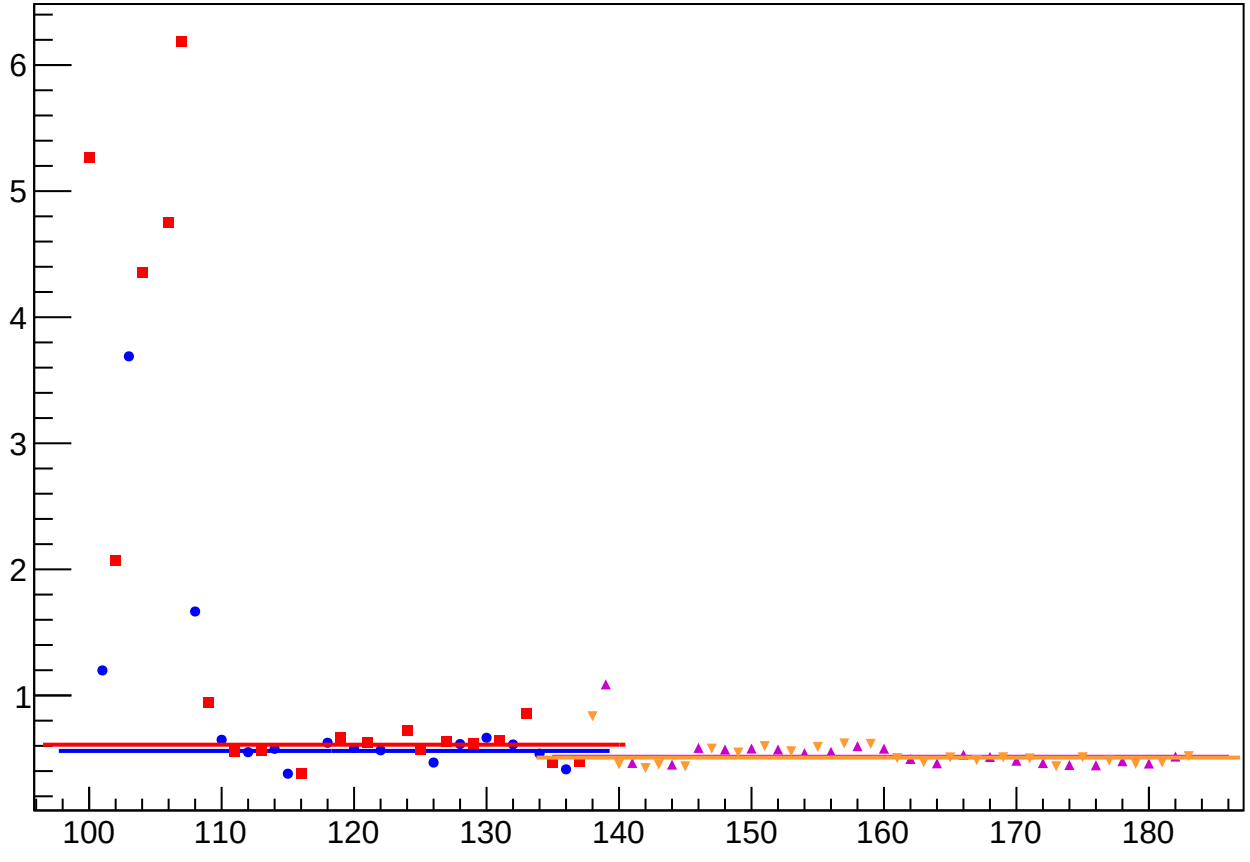
Left In: 0.677+/-0.000 χ^2/NDF:96468277.7/21

+ sign 0.065+/-0.000 χ^2/NDF: 10114043463.9/39

All: 0.307+/-0.000 χ^2/NDF: 13834015444.7/8

- sign 0.577+/-0.000 χ^2/NDF: 3710538253.6/40

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.507+/-0.000 χ^2/NDF:554615.6/23

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

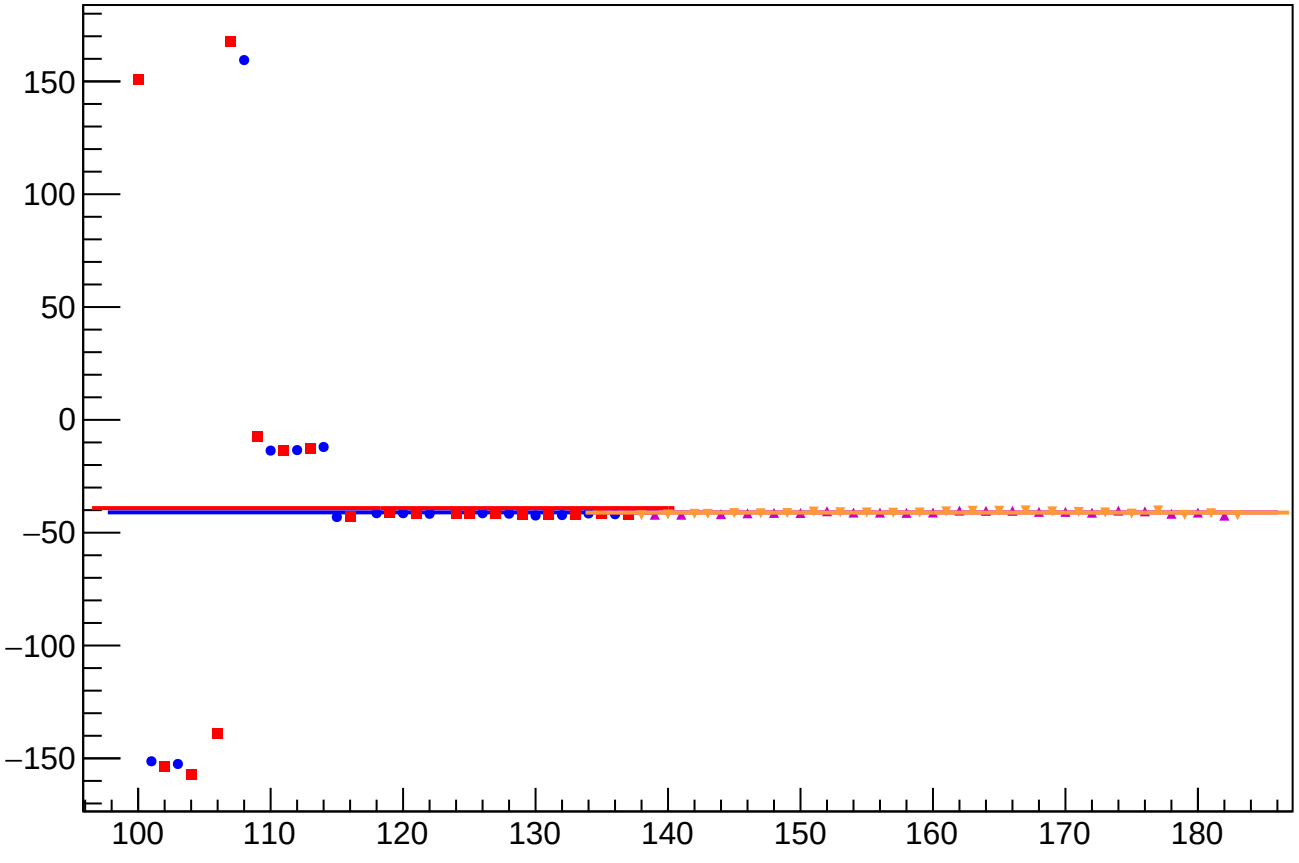
Left In: 0.514+/-0.000 χ^2/NDF:750607.2/21

+ sign 0.518+/-0.000 χ^2/NDF: 2223748.2/39

All: 0.525+/-0.000 χ^2/NDF: 5662176.5/80

- sign 0.532+/-0.000 χ^2/NDF: 3424283.9/40

yield_cav4cY_mean vs Slug



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.090+/-0.000 χ^2/NDF:60115565.4/23

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

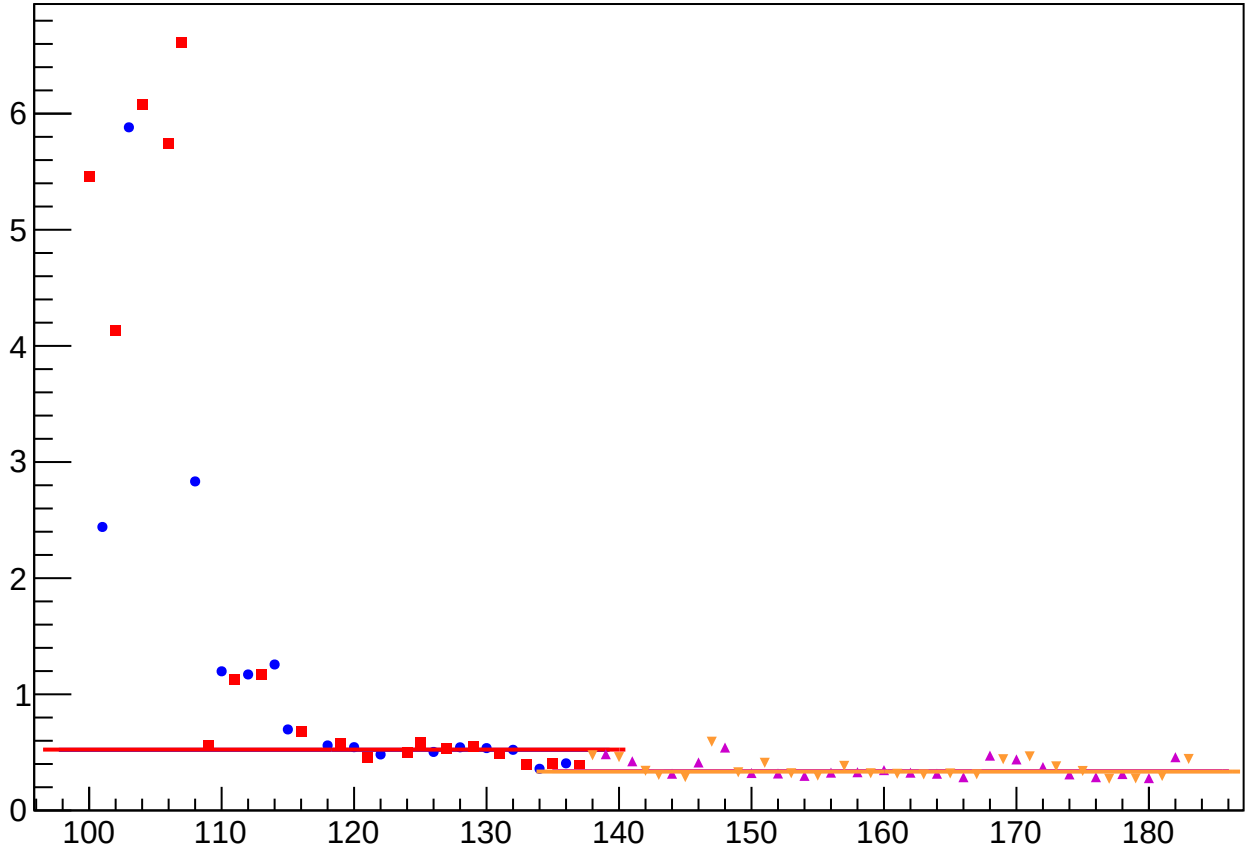
Left In: -41.008+/-0.000 χ^2/NDF:44433984.3/21

+ sign -41.079+/-0.000 χ^2/NDF: 3509911951.4/39

All: -40.943+/-0.000 χ^2/NDF: 6099067450.6/

- sign -40.797+/-0.000 χ^2/NDF: 2582471309.5/40

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.335+/-0.000 χ^2/NDF:1211649.5/23

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

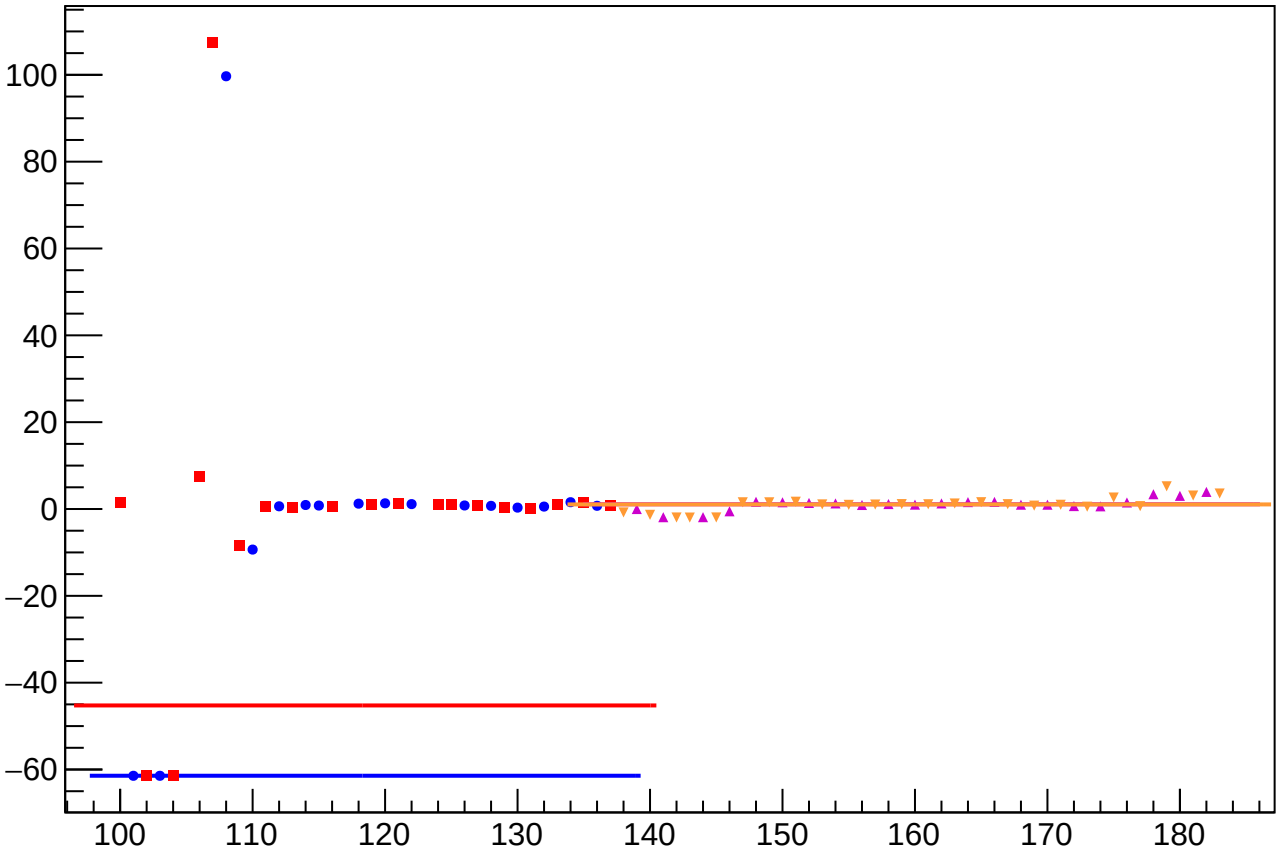
Left In: 0.339+/-0.000 χ^2/NDF:1040798.5/21

+ sign 0.355+/-0.000 χ^2/NDF: 5317613.0/39

All: 0.357+/-0.000 χ^2/NDF: 10713214.2/80

- sign 0.360+/-0.000 χ^2/NDF: 5391097.9/40

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 1.057+/-0.000 χ^2/NDF:253114497.0/23

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

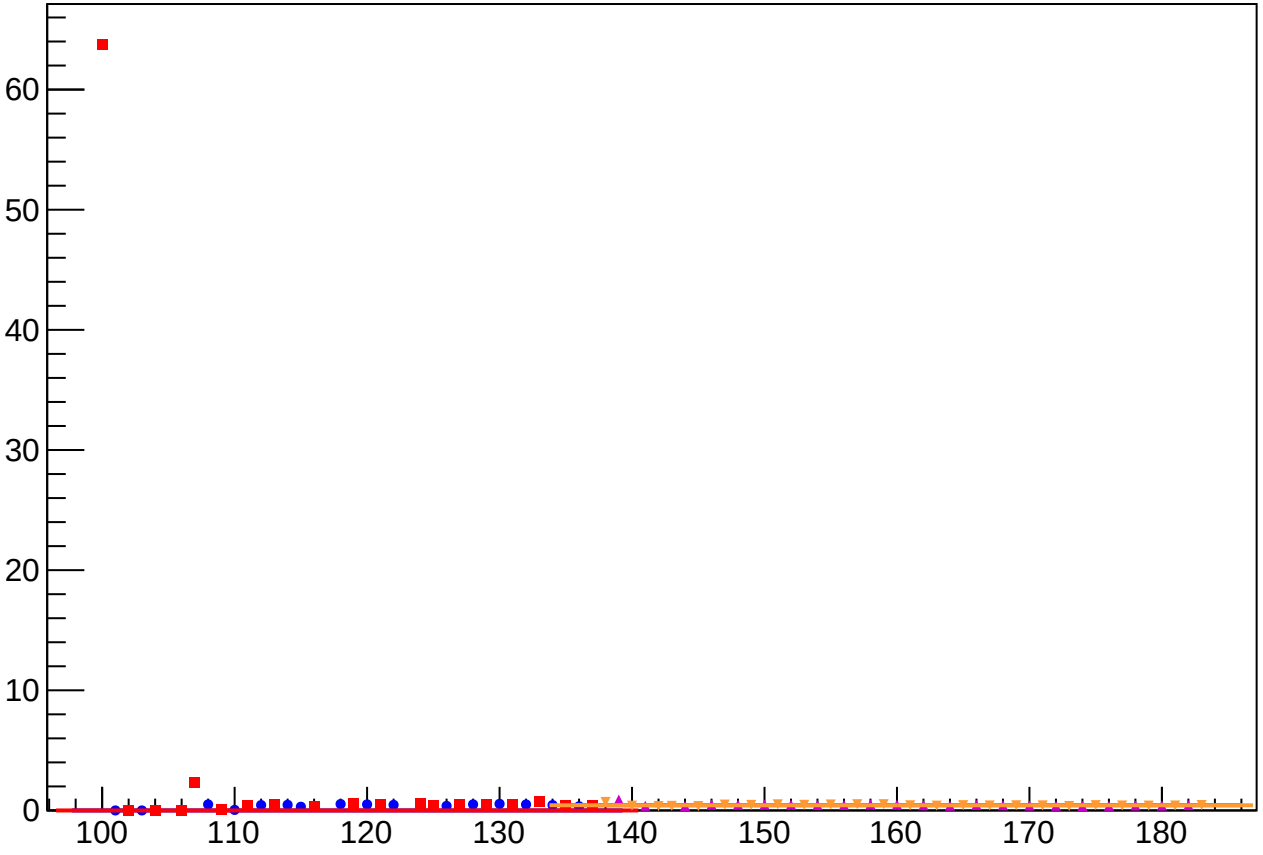
Left In: 1.093+/-0.000 χ^2/NDF:156707396.4/21

+ sign -61.422+/-0.000 χ^2/NDF: 598330028815.3/3

All: -52.738+/-0.000 χ^2/NDF: 40958328127

- sign -45.237+/-0.000 χ^2/NDF: 358032978212274.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.432+/-0.000 χ^2/NDF:527058.2/23

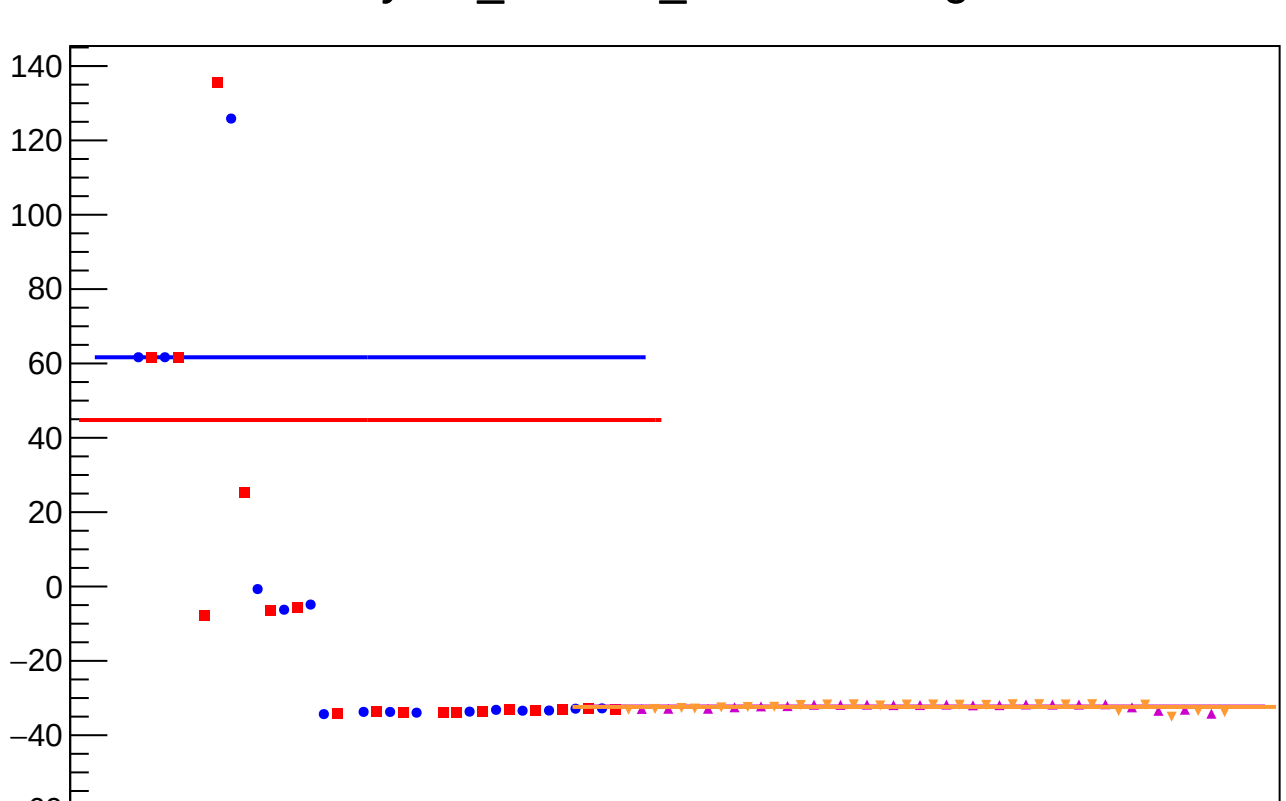
Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.439+/-0.000 χ^2/NDF:694400.4/21

+ sign 0.002+/-0.000 χ^2/NDF: 40463751.6/39

All: 0.002+/-0.000 χ^2/NDF: 79461175.0/80

- sign 0.002+/-0.000 χ^2/NDF: 38997232.2/40



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.389+/-0.000 χ^2/NDF:171919039.1/23

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

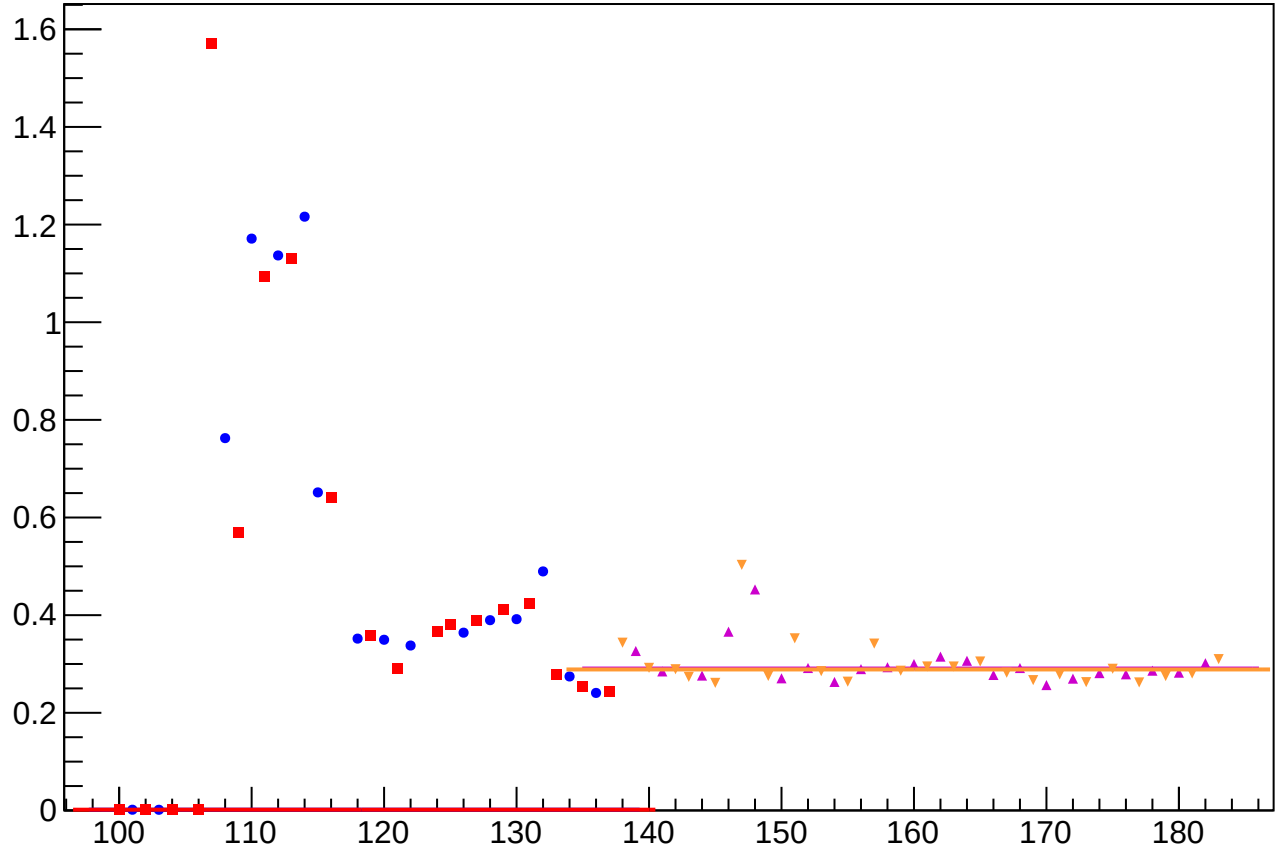
Left In: -32.277+/-0.000 χ^2/NDF:89799091.7/21

+ sign 61.601+/-0.000 χ^2/NDF: 2295580372069.7/3

All: 52.639+/-0.000 χ^2/NDF: 4206115777882

- sign 44.745+/-0.000 χ^2/NDF: 367301861807771.0

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.289+/-0.000 χ^2/NDF:519193.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

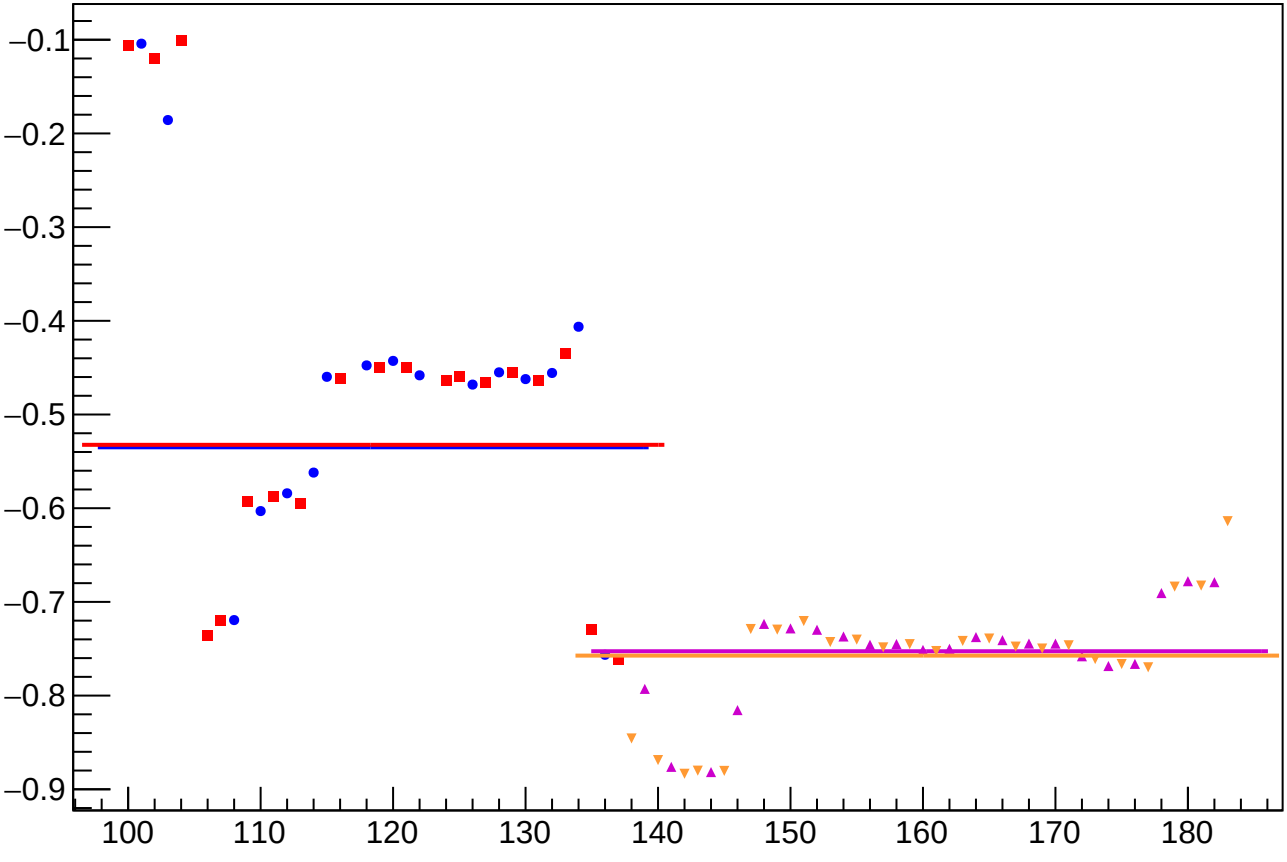
Left In: 0.291+/-0.000 χ^2/NDF:387502.2/21

+ sign 0.002+/-0.000 χ^2/NDF: 47480564.9/39

All: 0.002+/-0.000 χ^2/NDF: 92400697.1/80

- sign 0.002+/-0.000 χ^2/NDF: 44920070.4/40

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.757+/-0.000 χ^2/NDF:193863092.6/23

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

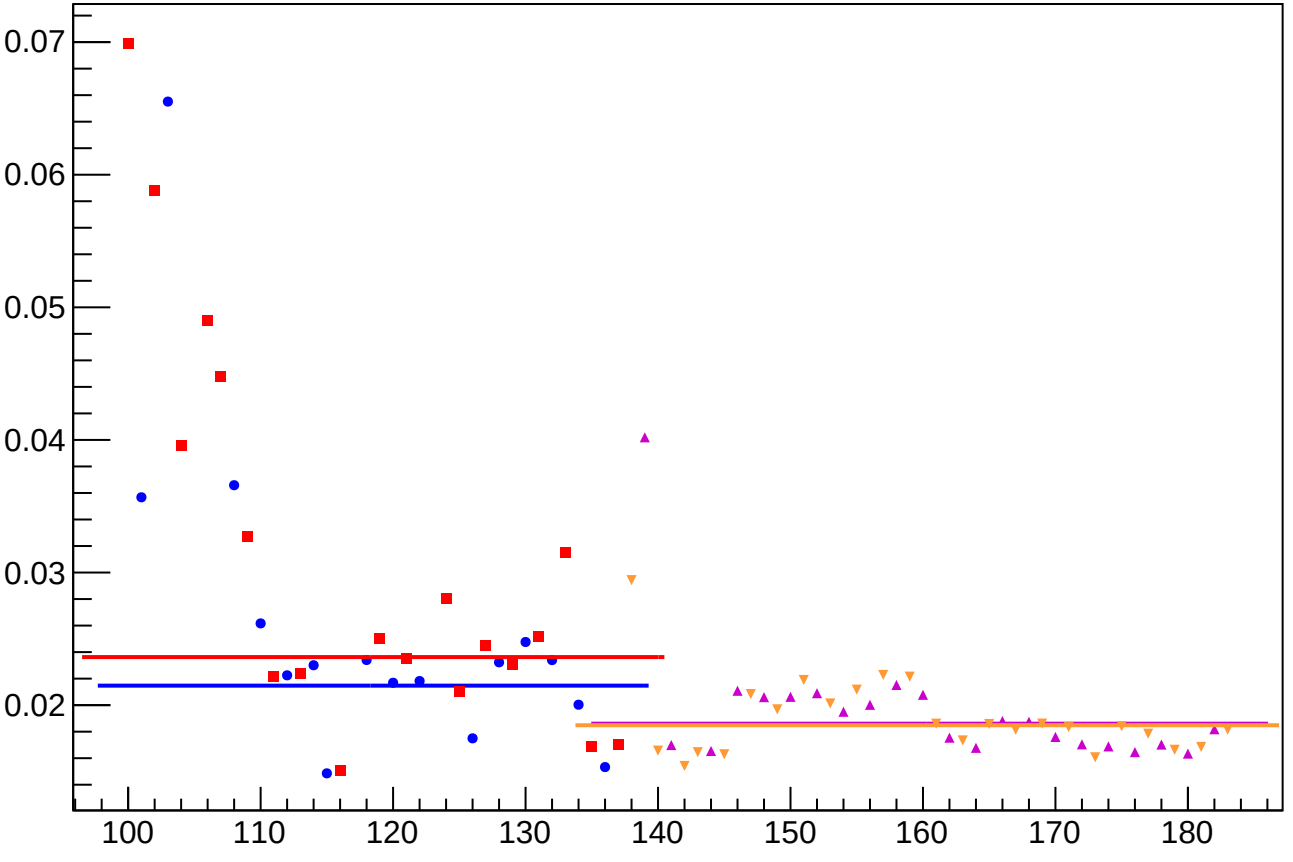
Left In: -0.753+/-0.000 χ^2/NDF:120485091.9/21

+ sign -0.712+/-0.000 χ^2/NDF: 951551554.9/39

All: -0.711+/-0.000 χ^2/NDF: 1677613654.0/8

- sign -0.710+/-0.000 χ^2/NDF: 725988966.9/40

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:491658.7/23

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

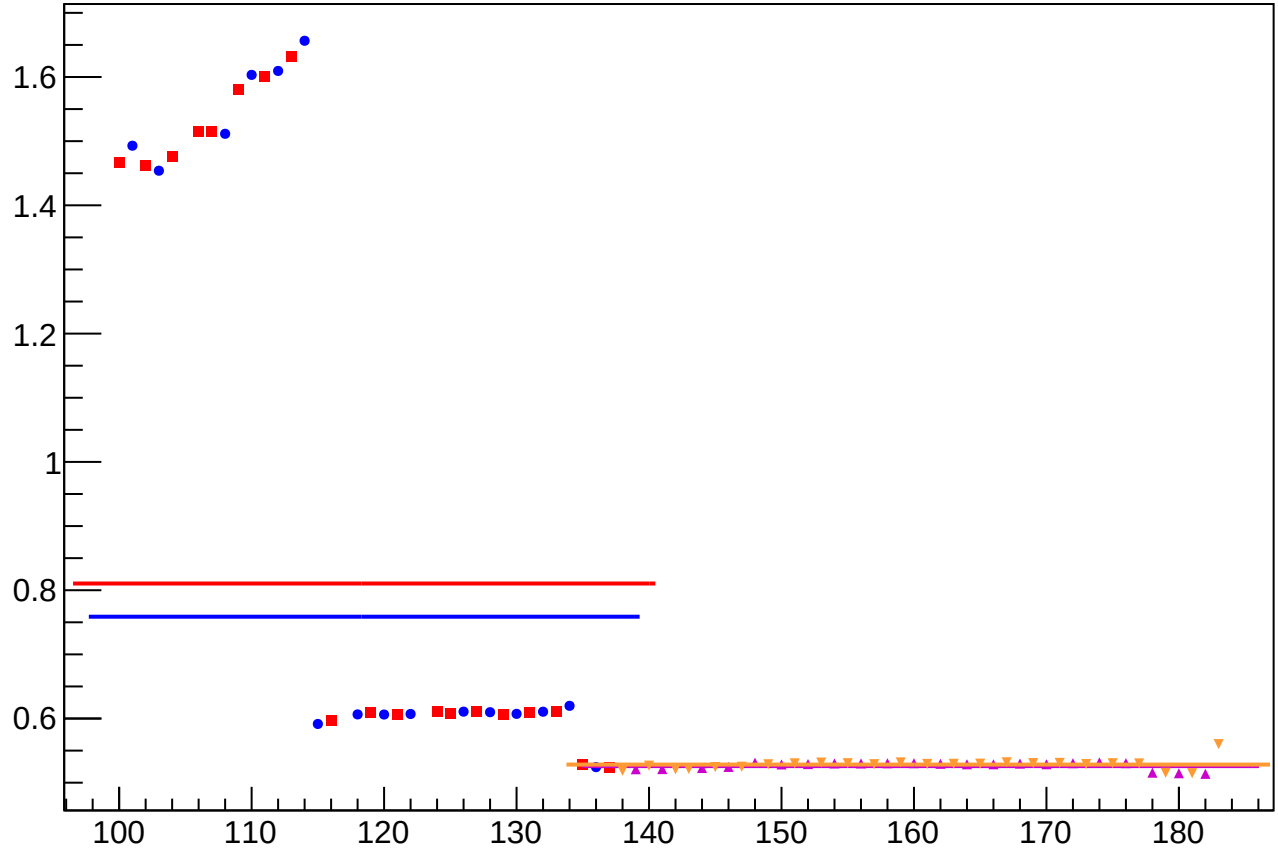
Left In: 0.019+/-0.000 χ^2/NDF:738840.7/21

+ sign 0.019+/-0.000 χ^2/NDF: 1810579.9/39

All: 0.019+/-0.000 χ^2/NDF: 4245690.6/80

- sign 0.020+/-0.000 χ^2/NDF: 2422817.7/40

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:9881245.1/23

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

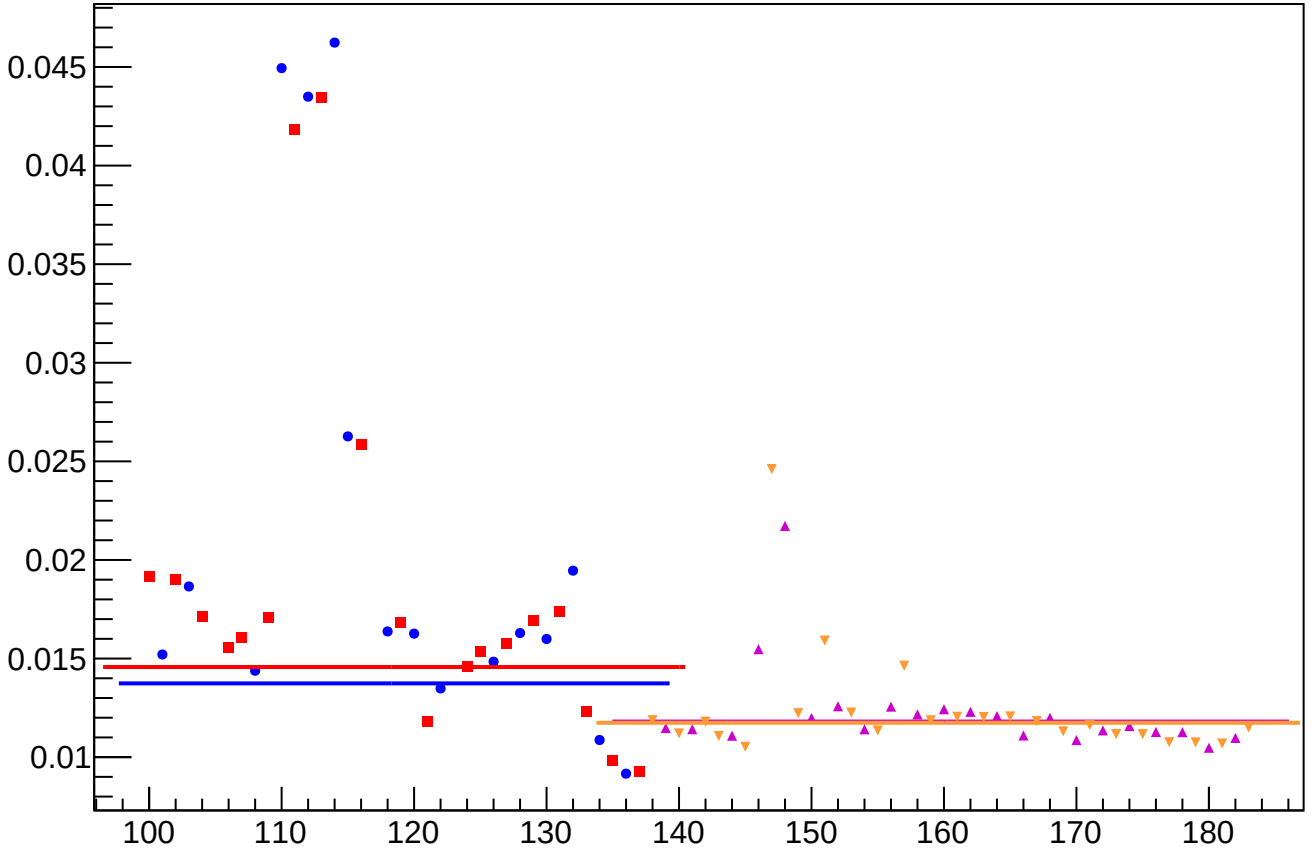
Left In: 0.526+/-0.000 χ^2/NDF:4254900.2/21

+ sign 0.573+/-0.000 χ^2/NDF: 5667166439.3/39

All: 0.576+/-0.000 χ^2/NDF: 12369758348.4/8

- sign 0.580+/-0.000 χ^2/NDF: 6697727591.0/40

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:698366.4/23

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

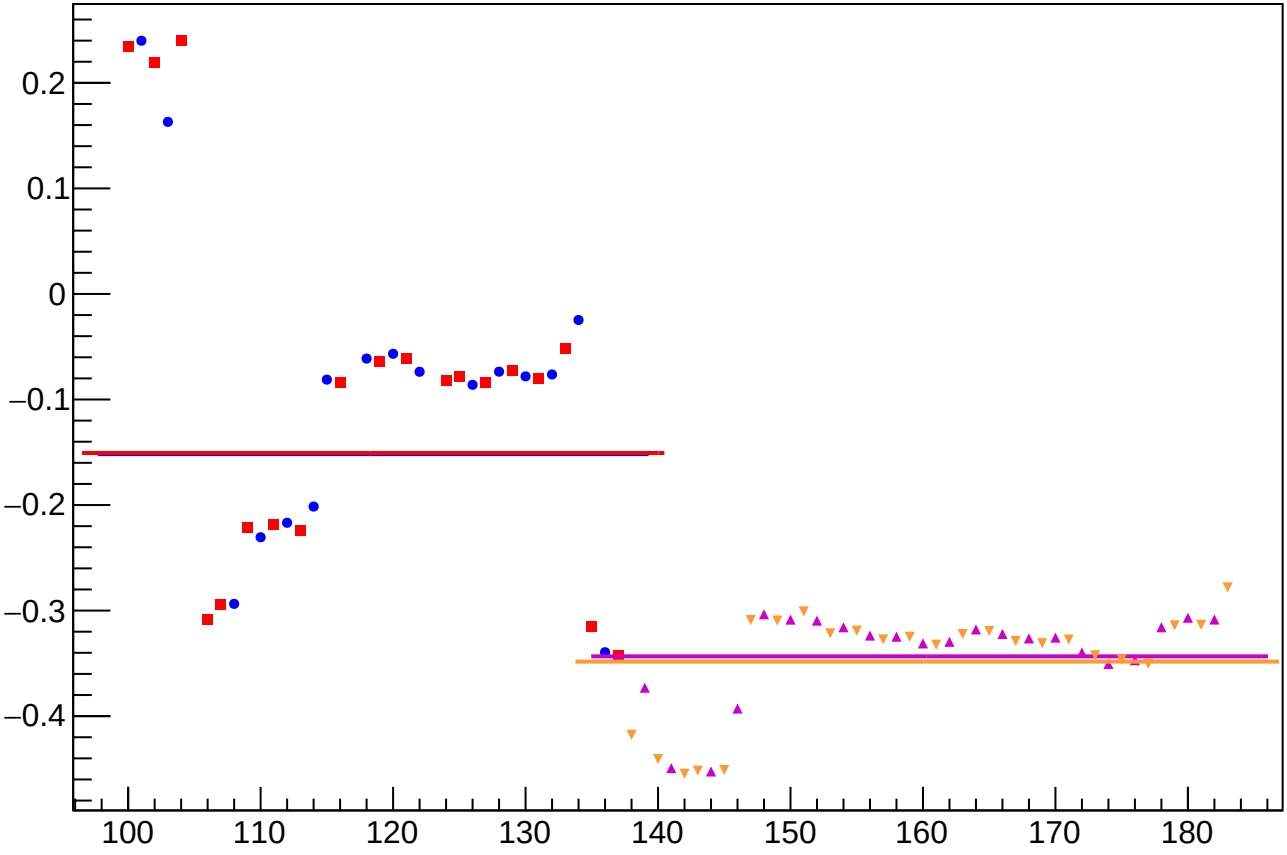
Left In: 0.012+/-0.000 χ^2/NDF:516615.5/21

+ sign 0.012+/-0.000 χ^2/NDF: 2551466.1/39

All: 0.012+/-0.000 χ^2/NDF: 4893533.4/80

- sign 0.012+/-0.000 χ^2/NDF: 2335195.0/40

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.348+/-0.000 χ^2/NDF:120547109.4/23

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

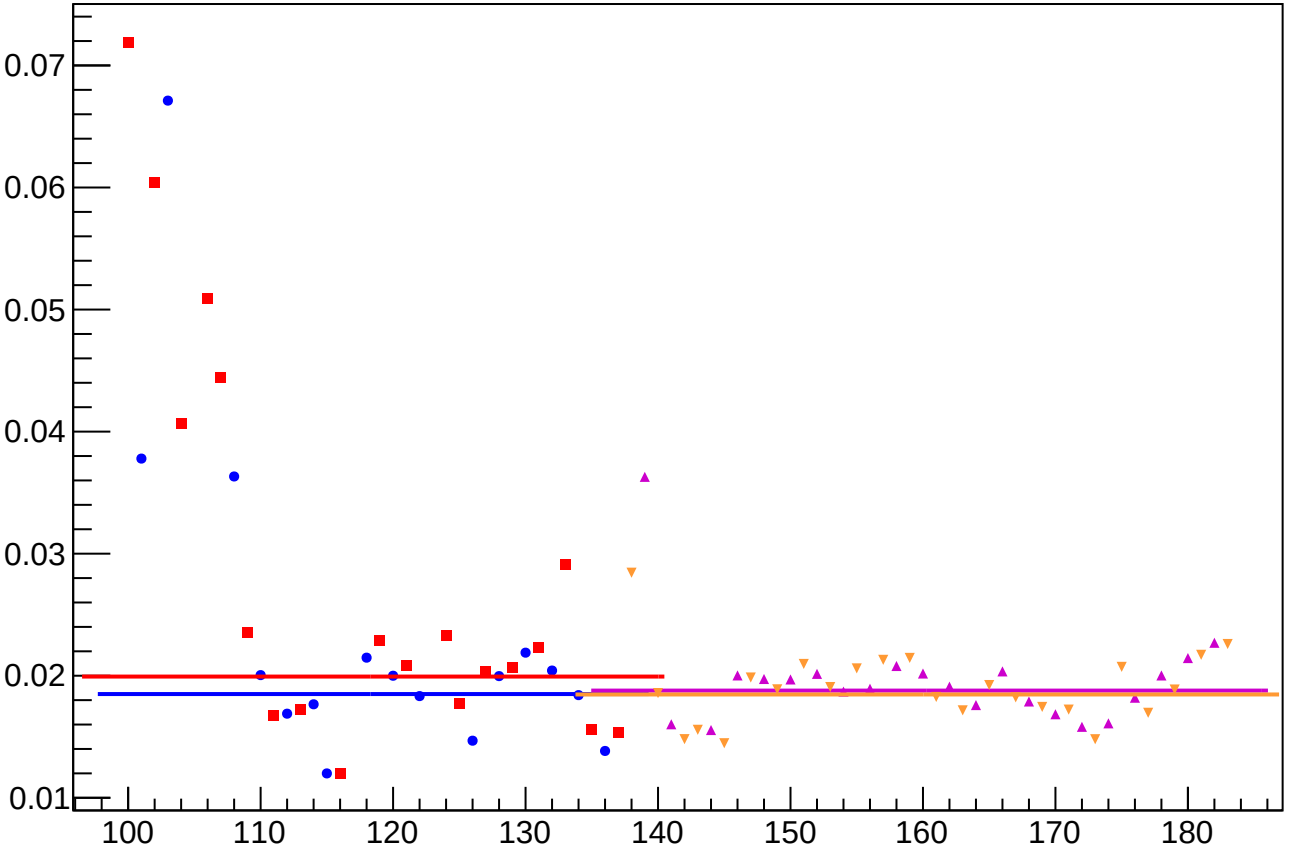
Left In: -0.343+/-0.000 χ^2/NDF:84307648.6/21

+ sign -0.299+/-0.000 χ^2/NDF: 842921195.7/39

All: -0.297+/-0.000 χ^2/NDF: 1510177421.1/8

- sign -0.296+/-0.000 χ^2/NDF: 666977669.1/40

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:635788.5/23

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

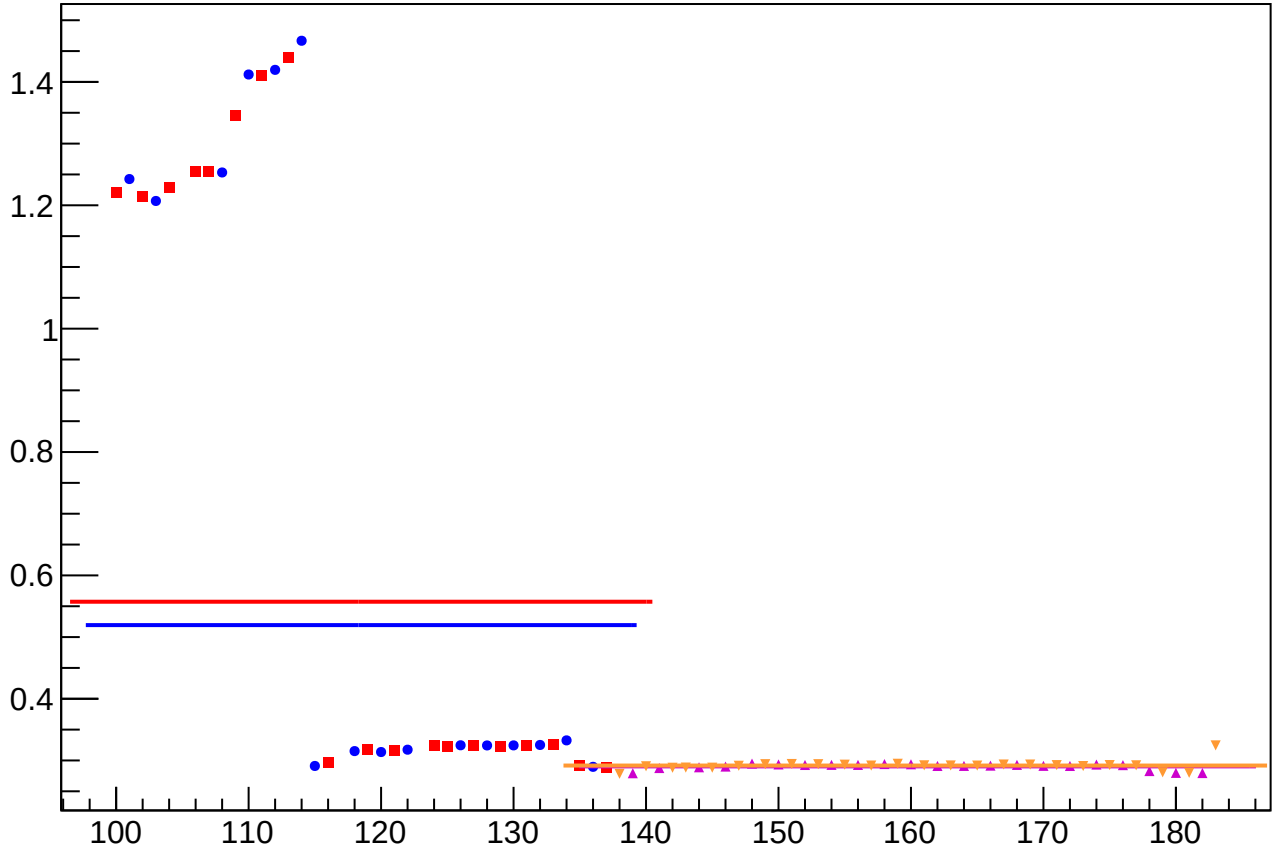
Left In: 0.019+/-0.000 χ^2/NDF:717297.4/21

+ sign 0.018+/-0.000 χ^2/NDF: 2008174.3/39

All: 0.019+/-0.000 χ^2/NDF: 4320788.2/80

- sign 0.019+/-0.000 χ^2/NDF: 2292126.0/40

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:6871894.8/23

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

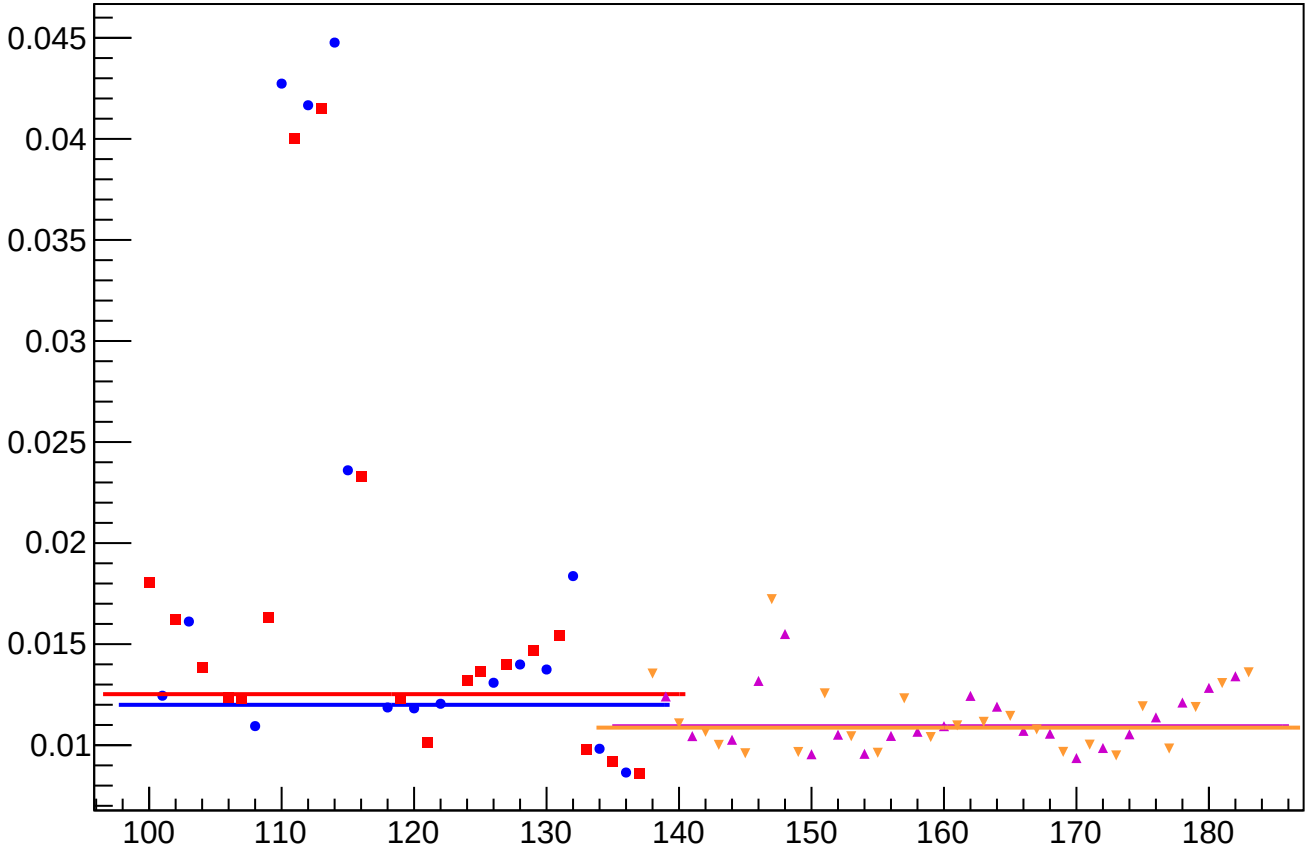
Left In: 0.290+/-0.000 χ^2/NDF:2763086.5/21

+ sign 0.340+/-0.000 χ^2/NDF: 8015584158.2/39

All: 0.344+/-0.000 χ^2/NDF: 16954588430.6/8

- sign 0.348+/-0.000 χ^2/NDF: 8933854397.6/40

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:644299.8/23

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

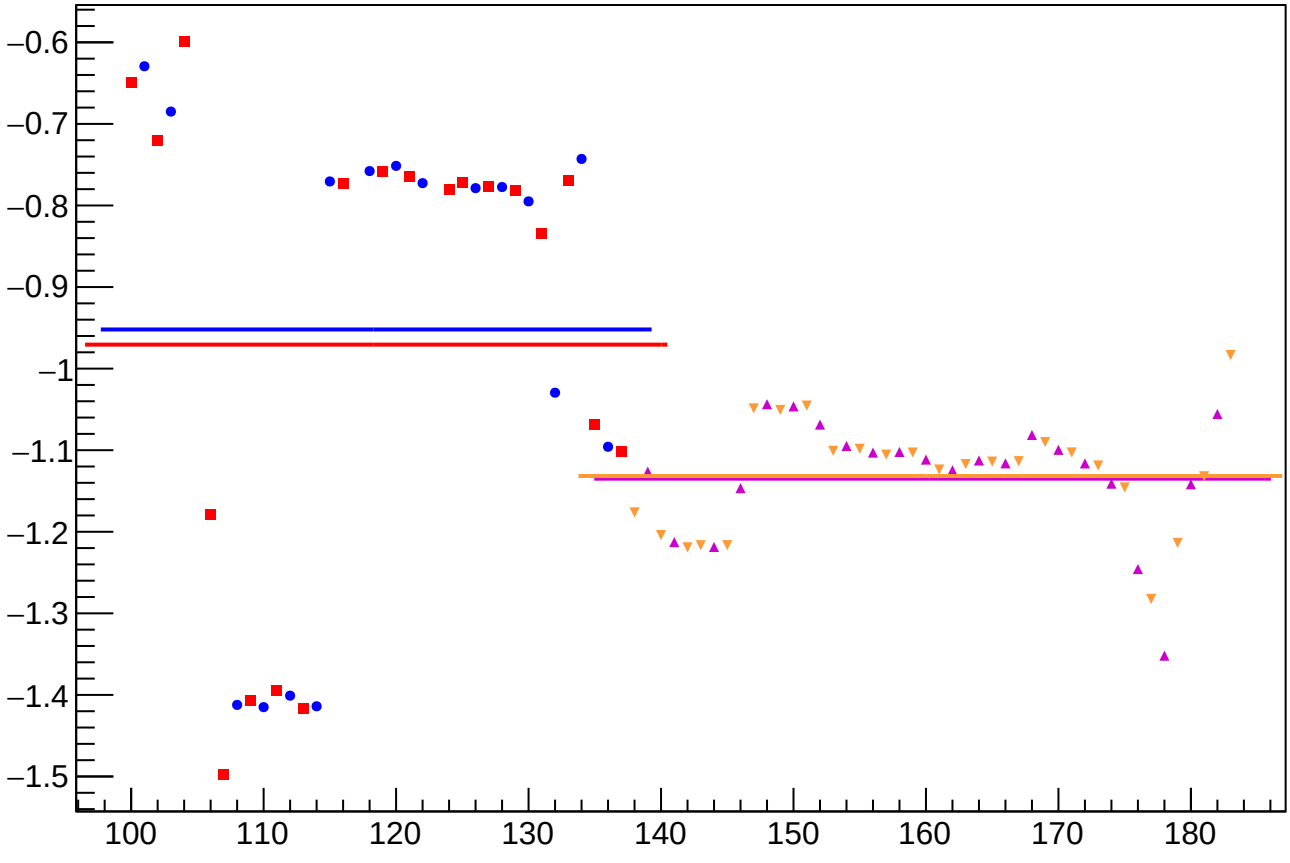
Left In: 0.011+/-0.000 χ^2/NDF:504631.2/21

+ sign 0.011+/-0.000 χ^2/NDF: 2218890.4/39

All: 0.011+/-0.000 χ^2/NDF: 4317673.4/80

- sign 0.011+/-0.000 χ^2/NDF: 2093416.1/40

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.132+/-0.000 χ^2/NDF:216770257.6/23

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

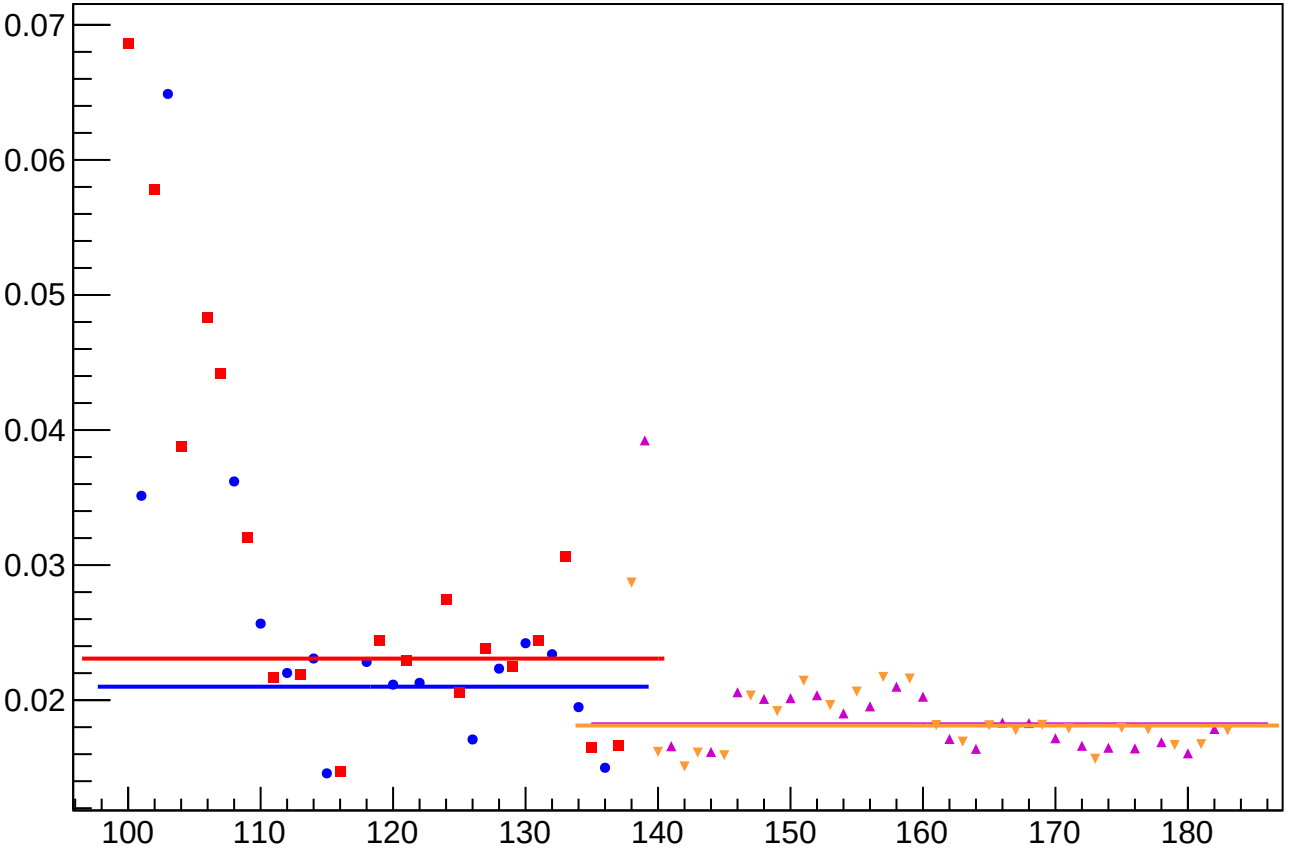
Left In: -1.135+/-0.000 χ^2/NDF:234254447.5/21

+ sign -1.095+/-0.000 χ^2/NDF: 1227505078.6/39

All: -1.099+/-0.000 χ^2/NDF: 2405649643.5/8

- sign -1.103+/-0.000 χ^2/NDF: 1176140530.8/40

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:474001.5/23

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

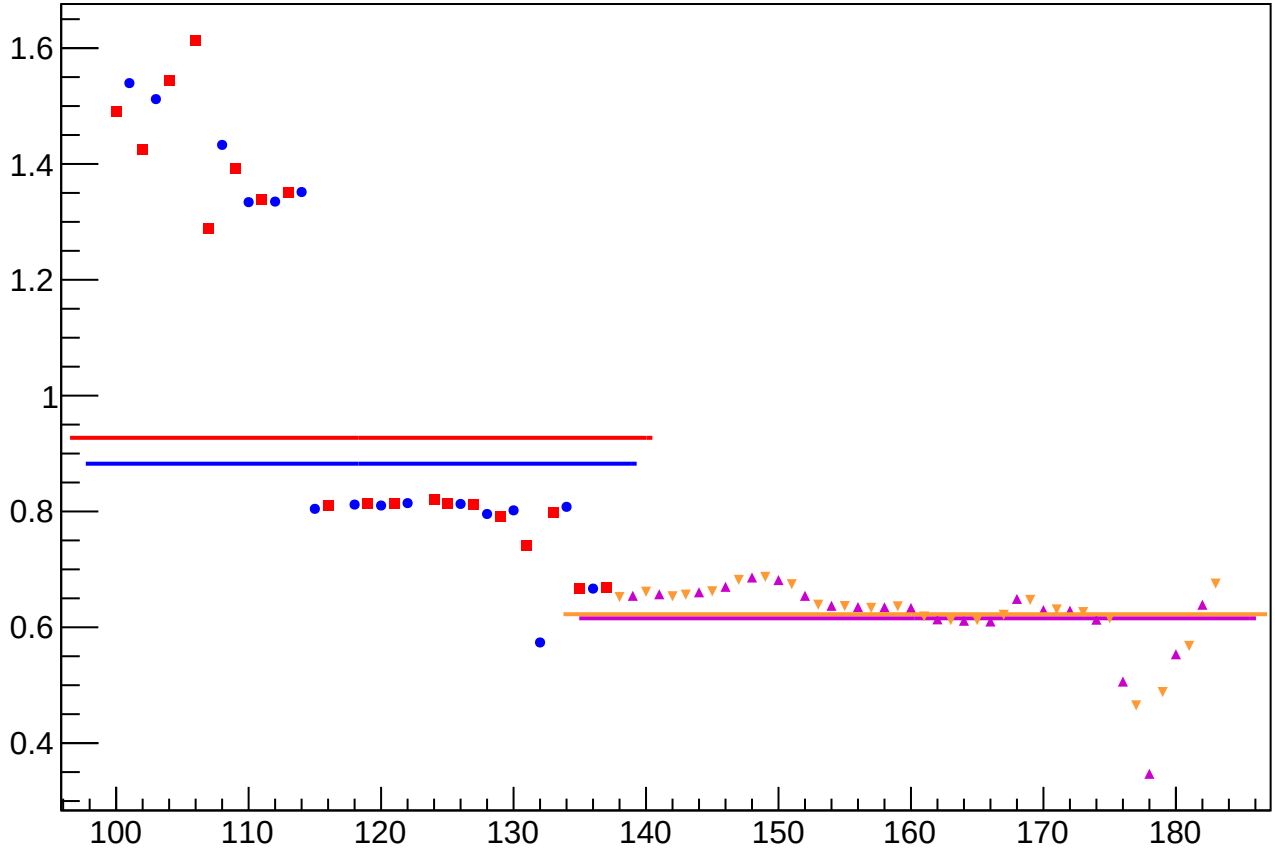
Left In: 0.018+/-0.000 χ^2/NDF:723568.5/21

+ sign 0.019+/-0.000 χ^2/NDF: 1800730.8/39

All: 0.019+/-0.000 χ^2/NDF: 4215532.1/80

- sign 0.019+/-0.000 χ^2/NDF: 2403928.4/40

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.623+/-0.000 χ^2/NDF:389519432.0/23

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

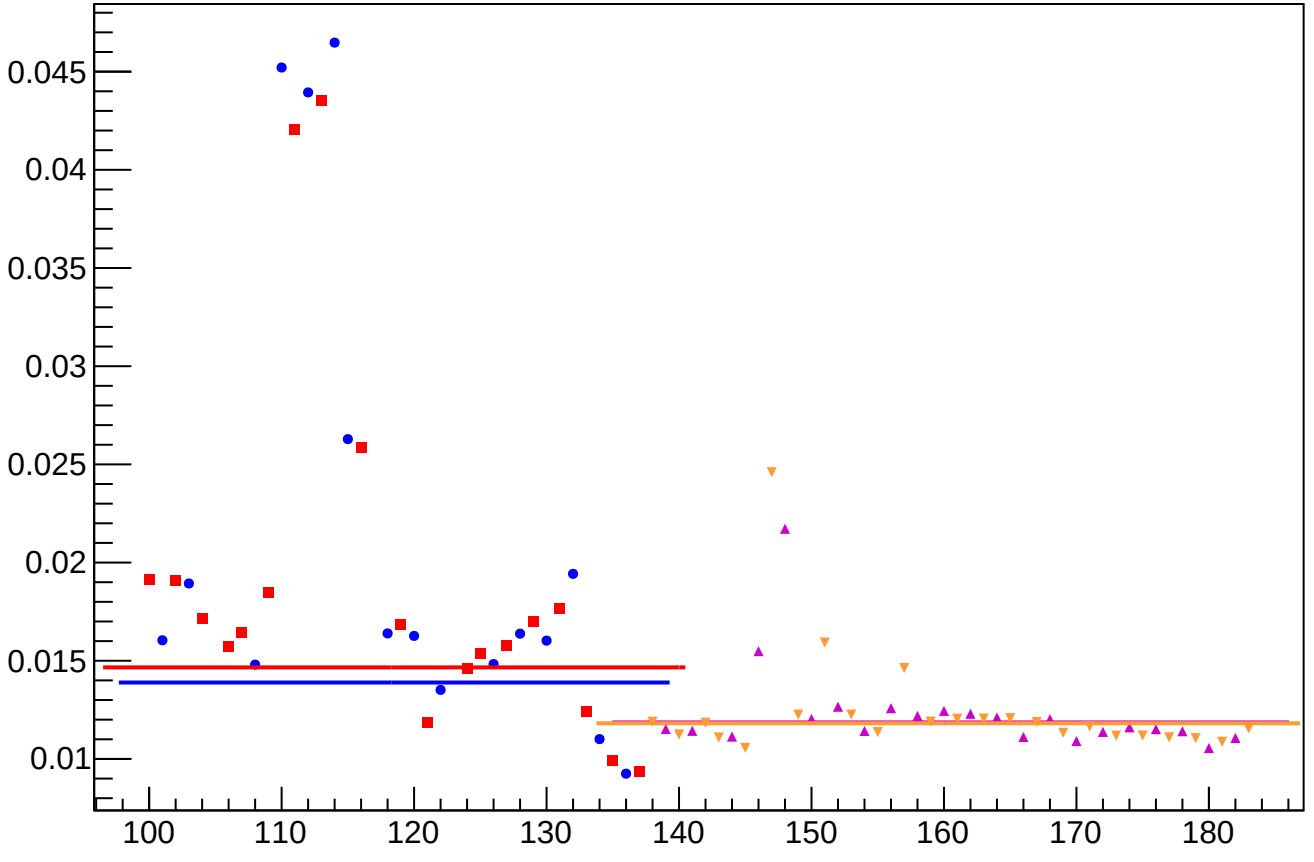
Left In: 0.616+/-0.000 χ^2/NDF:631033175.5/21

+ sign 0.672+/-0.000 χ^2/NDF: 4853026461.6/39

All: 0.673+/-0.000 χ^2/NDF: 10517501032.2/8

- sign 0.675+/-0.000 χ^2/NDF: 5663868825.5/40

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:671985.9/23

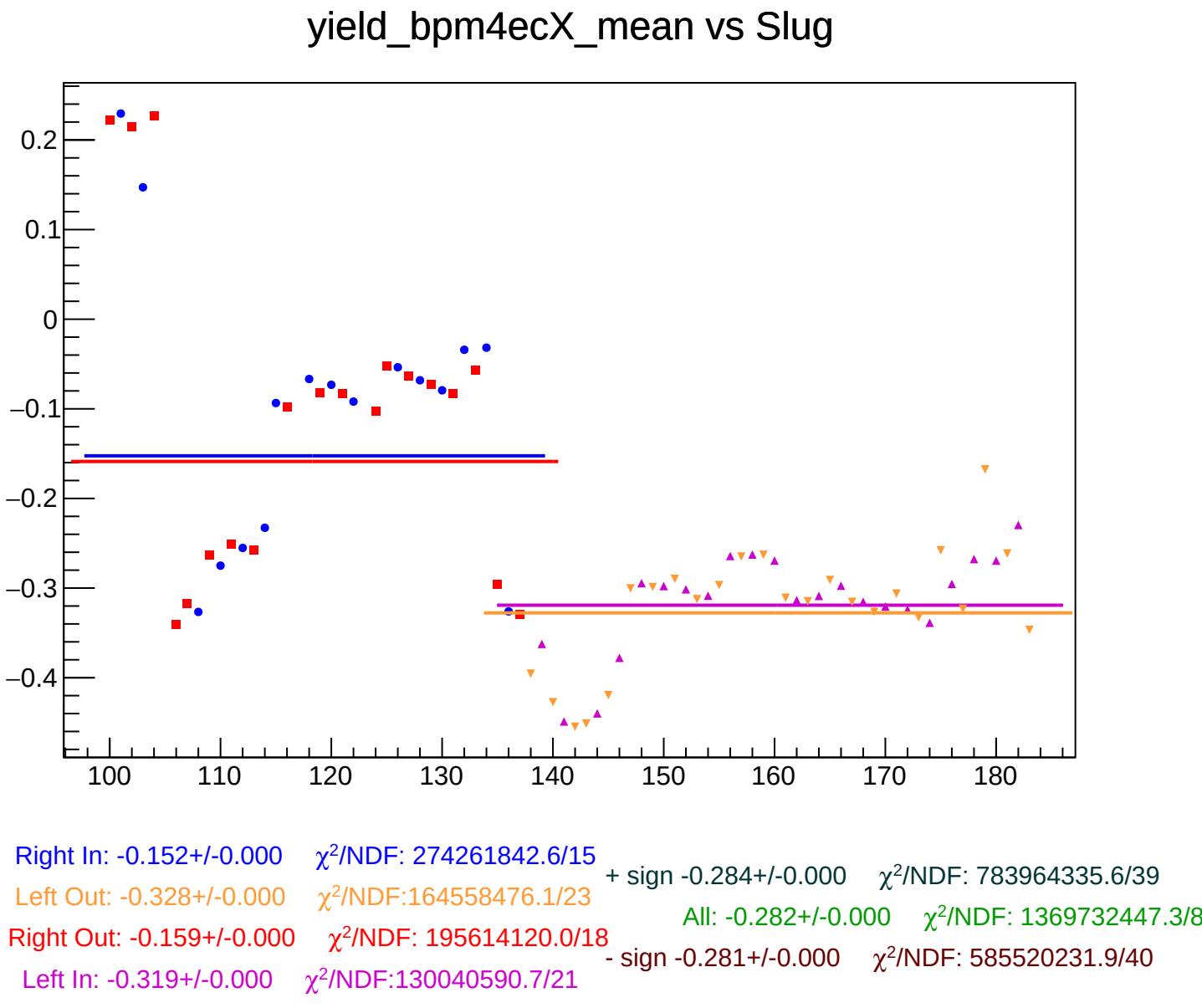
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:505567.0/21

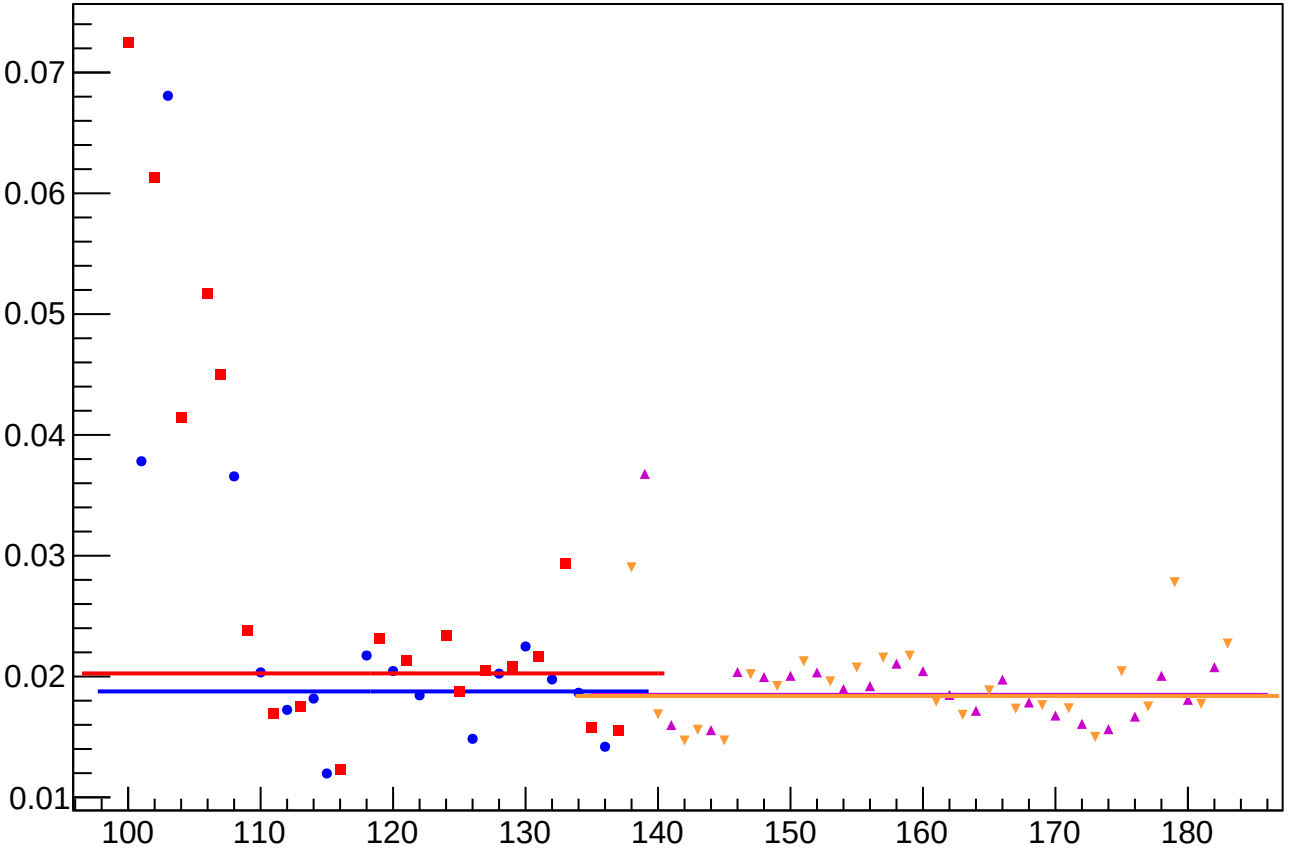
+ sign 0.012+/-0.000 χ^2/NDF: 2532832.0/39

All: 0.012+/-0.000 χ^2/NDF: 4877696.1/80

- sign 0.012+/-0.000 χ^2/NDF: 2339688.6/40


yield_bpm4ecX_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: -0.152+/-0.000 χ²/NDF: 274261842.6/15
Left Out: -0.328+/-0.000 χ²/NDF:164558476.1/23
Right Out: -0.159+/-0.000 χ²/NDF: 195614120.0/18
Left In: -0.319+/-0.000 χ²/NDF:130040590.7/21
+ sign -0.284+/-0.000 χ²/NDF: 783964335.6/39
All: -0.282+/-0.000 χ²/NDF: 1369732447.3/8
- sign -0.281+/-0.000 χ²/NDF: 585520231.9/40

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:733576.0/23

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

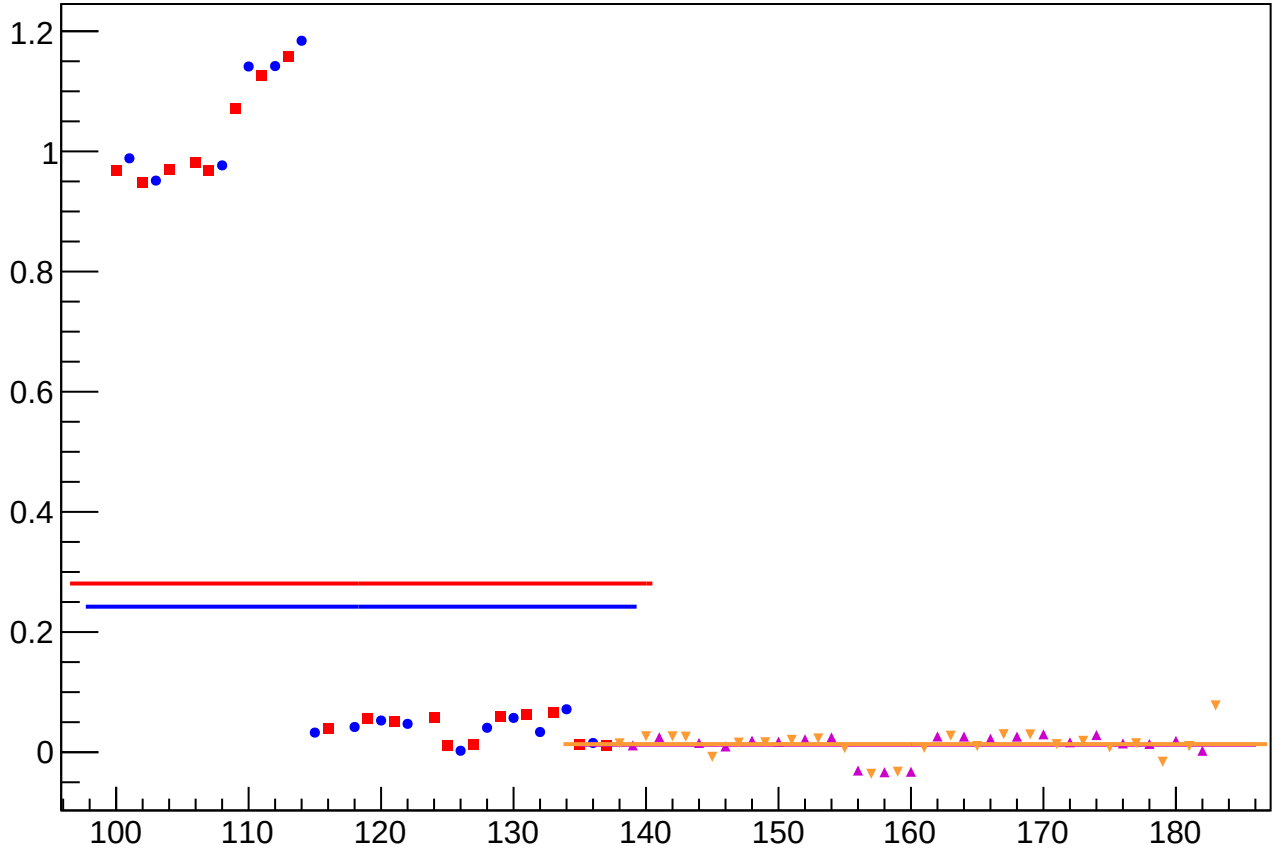
Left In: 0.018+/-0.000 χ^2/NDF:708505.6/21

+ sign 0.018+/-0.000 χ^2/NDF: 2086203.6/39

All: 0.019+/-0.000 χ^2/NDF: 4398424.6/80

- sign 0.019+/-0.000 χ^2/NDF: 2301921.7/40

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:61956320.5/23

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

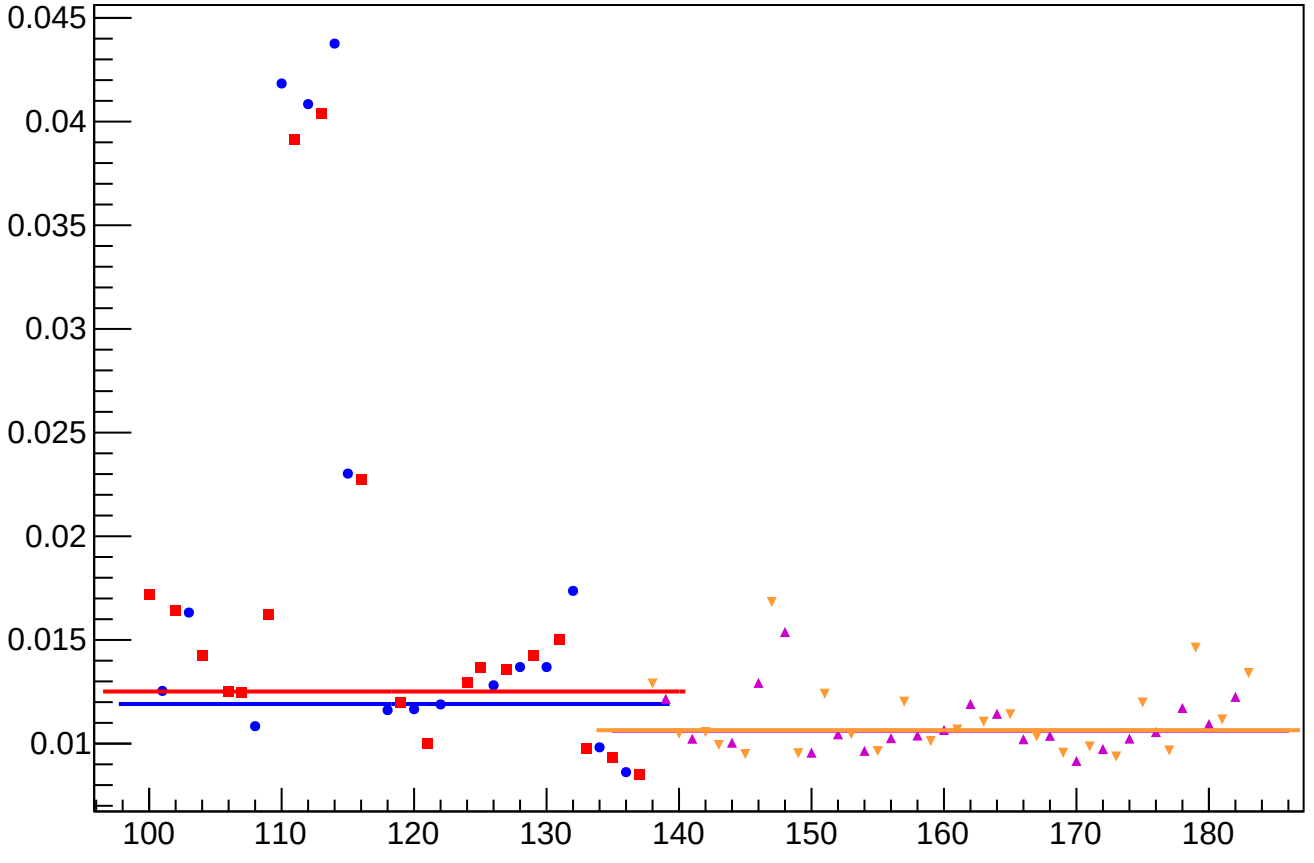
Left In: 0.012+/-0.000 χ^2/NDF:58341151.2/21

+ sign 0.062+/-0.000 χ^2/NDF: 8302953008.8/39

All: 0.065+/-0.000 χ^2/NDF: 17358683646.8/8

- sign 0.068+/-0.000 χ^2/NDF: 9052581740.0/40

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:612971.7/23

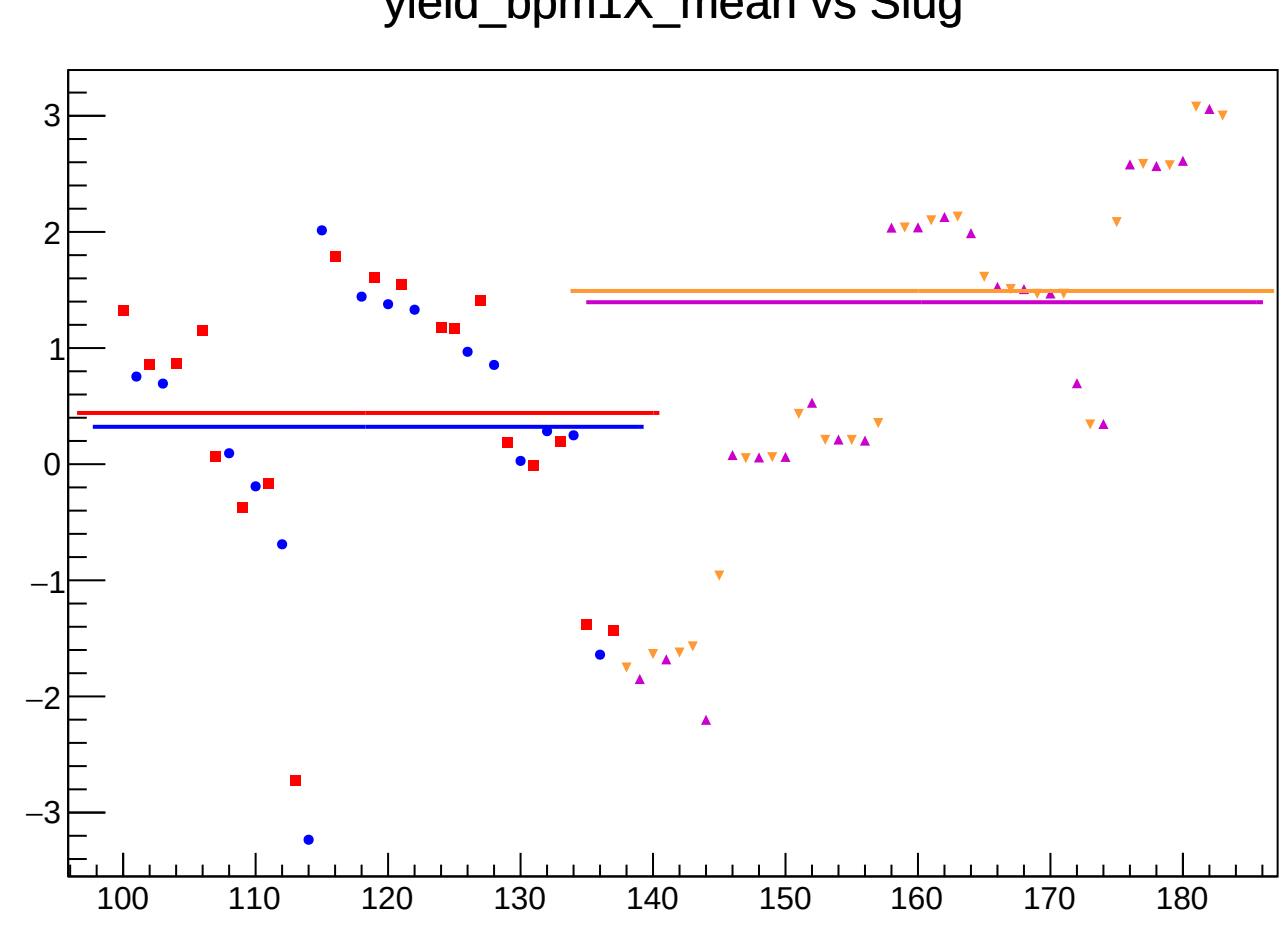
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:399930.3/21

+ sign 0.011+/-0.000 χ^2/NDF: 2178242.4/39

All: 0.011+/-0.000 χ^2/NDF: 4194567.9/80

- sign 0.011+/-0.000 χ^2/NDF: 2014492.5/40



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.492+/-0.000 χ^2/NDF:65718561551.7/23

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

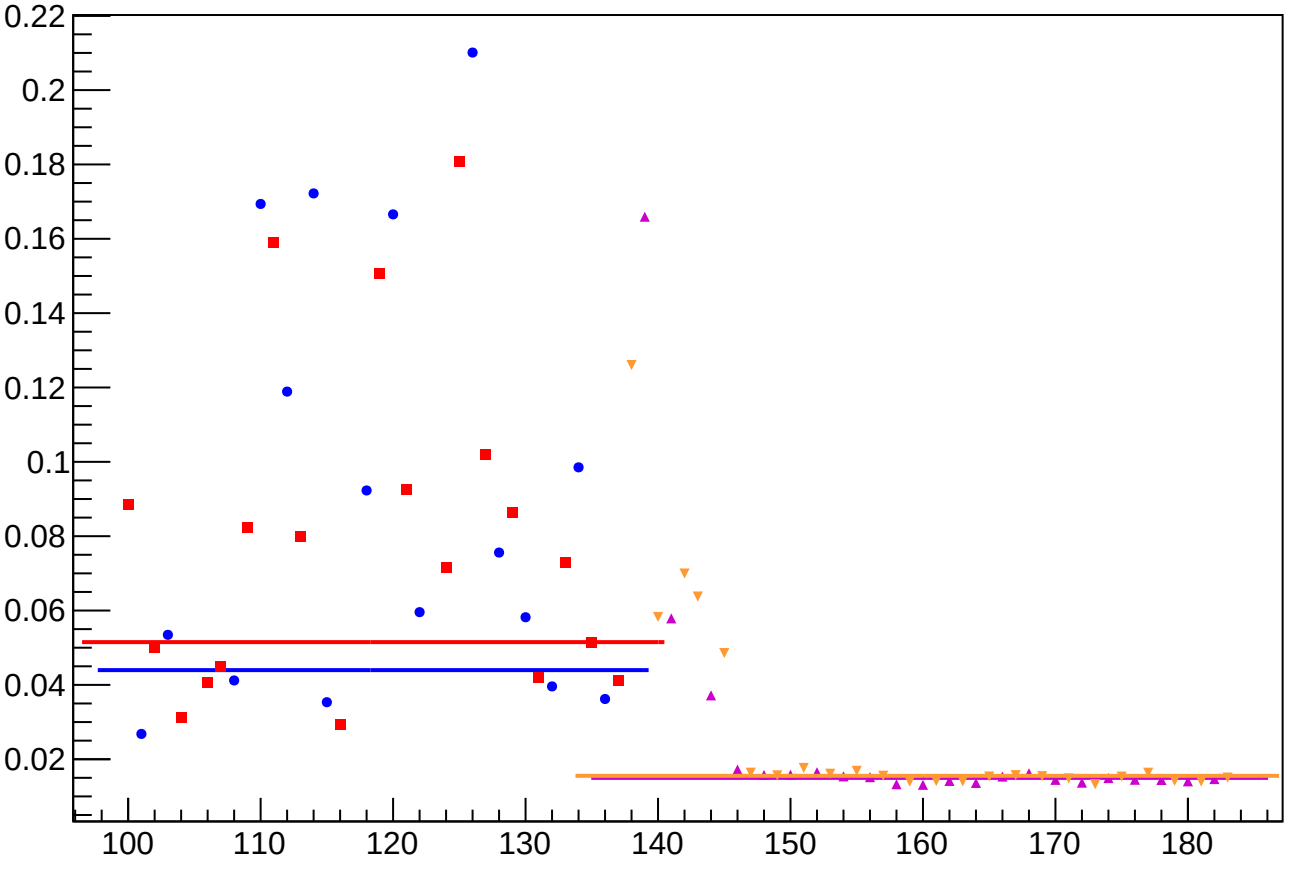
Left In: 1.395+/-0.000 χ^2/NDF:65207179649.1/21

+ sign 1.454+/-0.000 χ^2/NDF: 70012123825.5/39

All: 1.412+/-0.000 χ^2/NDF: 138694881894.1

- sign 1.370+/-0.000 χ^2/NDF: 68461218549.5/40

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2984217.7/23

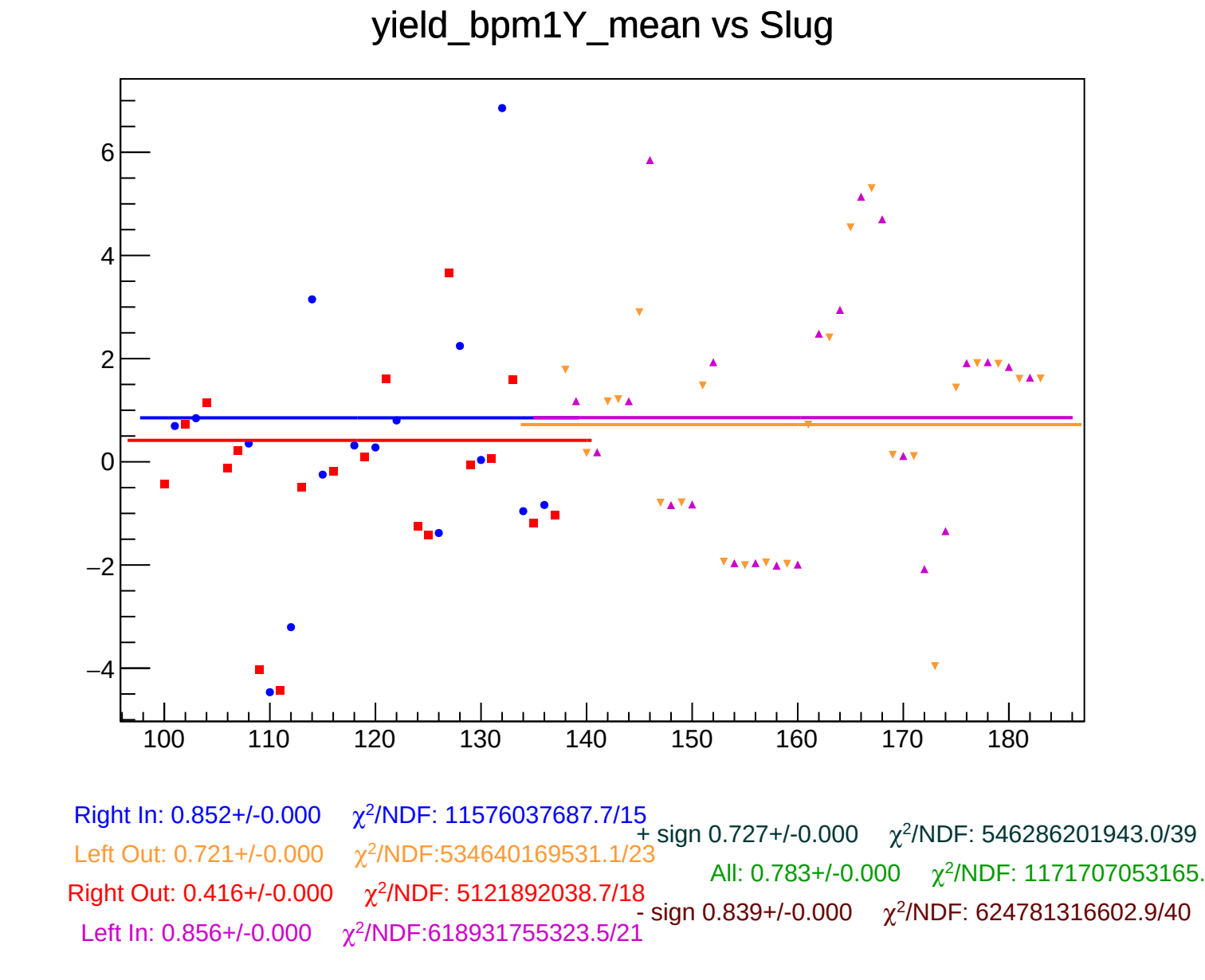
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2182580.5/21

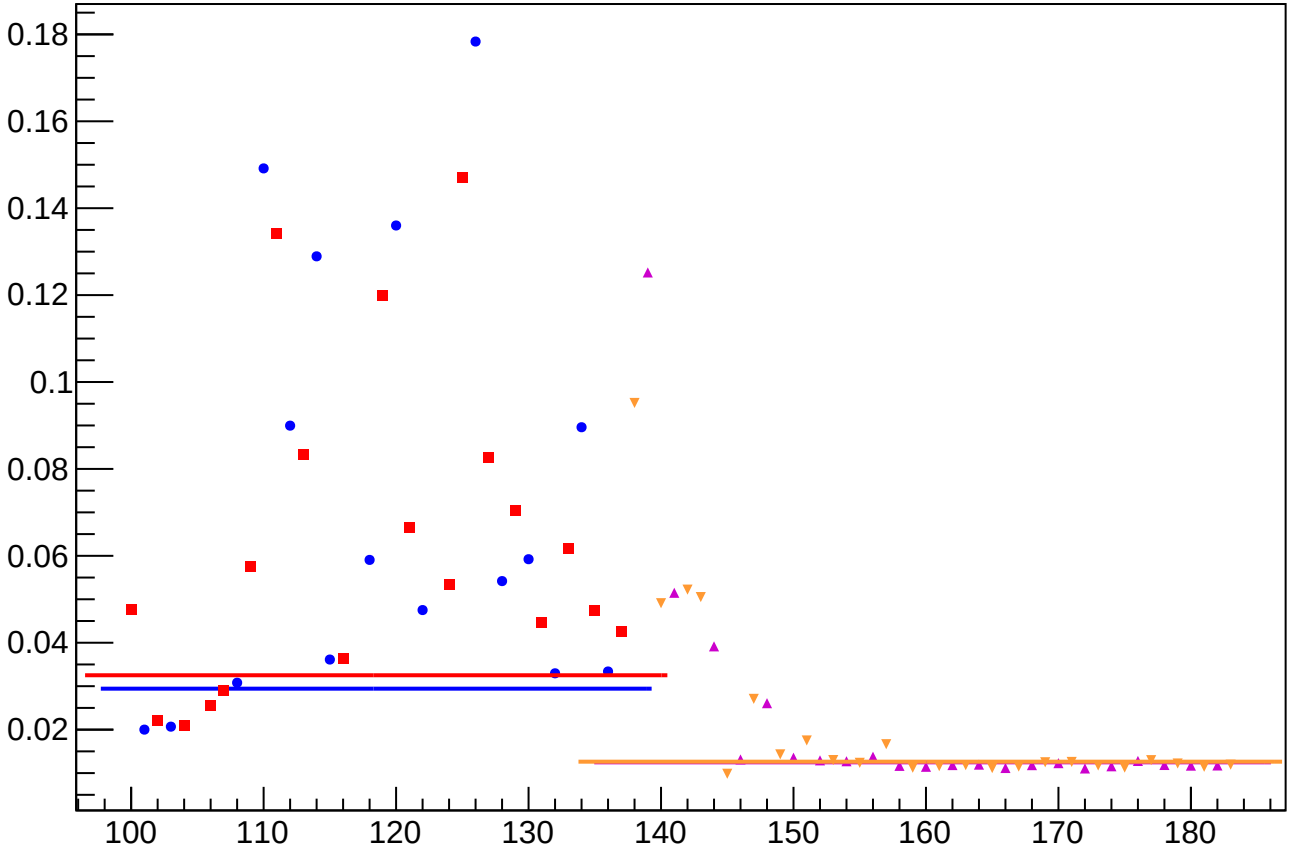
+ sign 0.016+/-0.000 χ^2/NDF: 8876496.1/39

All: 0.016+/-0.000 χ^2/NDF: 17718331.5/80

- sign 0.016+/-0.000 χ^2/NDF: 8825369.5/40


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: 0.721+/-0.000 χ²/NDF:534640169531.1/23
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 0.856+/-0.000 χ²/NDF:618931755323.5/21
+ sign 0.727+/-0.000 χ²/NDF: 546286201943.0/39
All: 0.783+/-0.000 χ²/NDF: 1171707053165.
- sign 0.839+/-0.000 χ²/NDF: 624781316602.9/40

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3191256.4/23

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

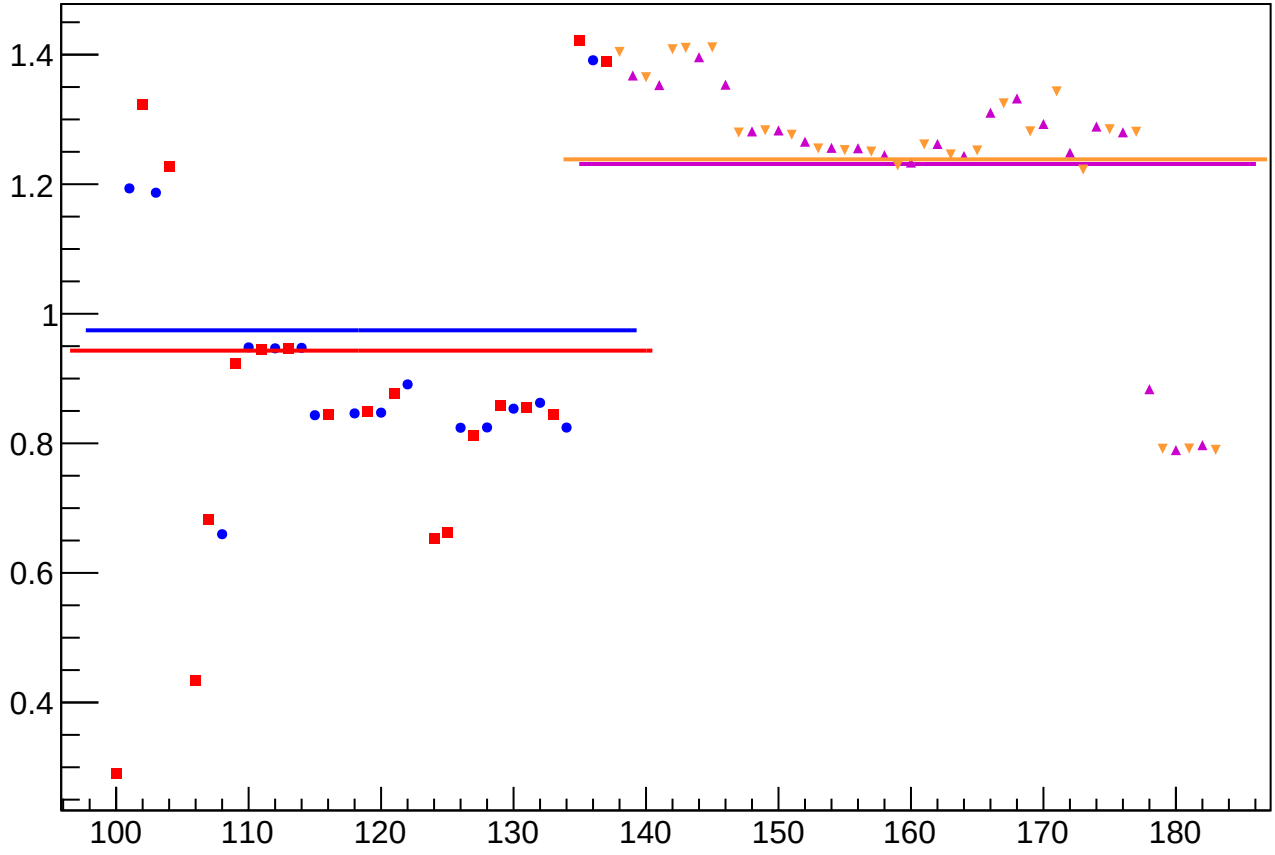
Left In: 0.012+/-0.000 χ^2/NDF:2754968.7/21

+ sign 0.013+/-0.000 χ^2/NDF: 8687832.2/39

All: 0.013+/-0.000 χ^2/NDF: 17773311.8/80

- sign 0.013+/-0.000 χ^2/NDF: 9084766.9/40

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.238+/-0.000 χ^2/NDF:2846281595.0/23

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

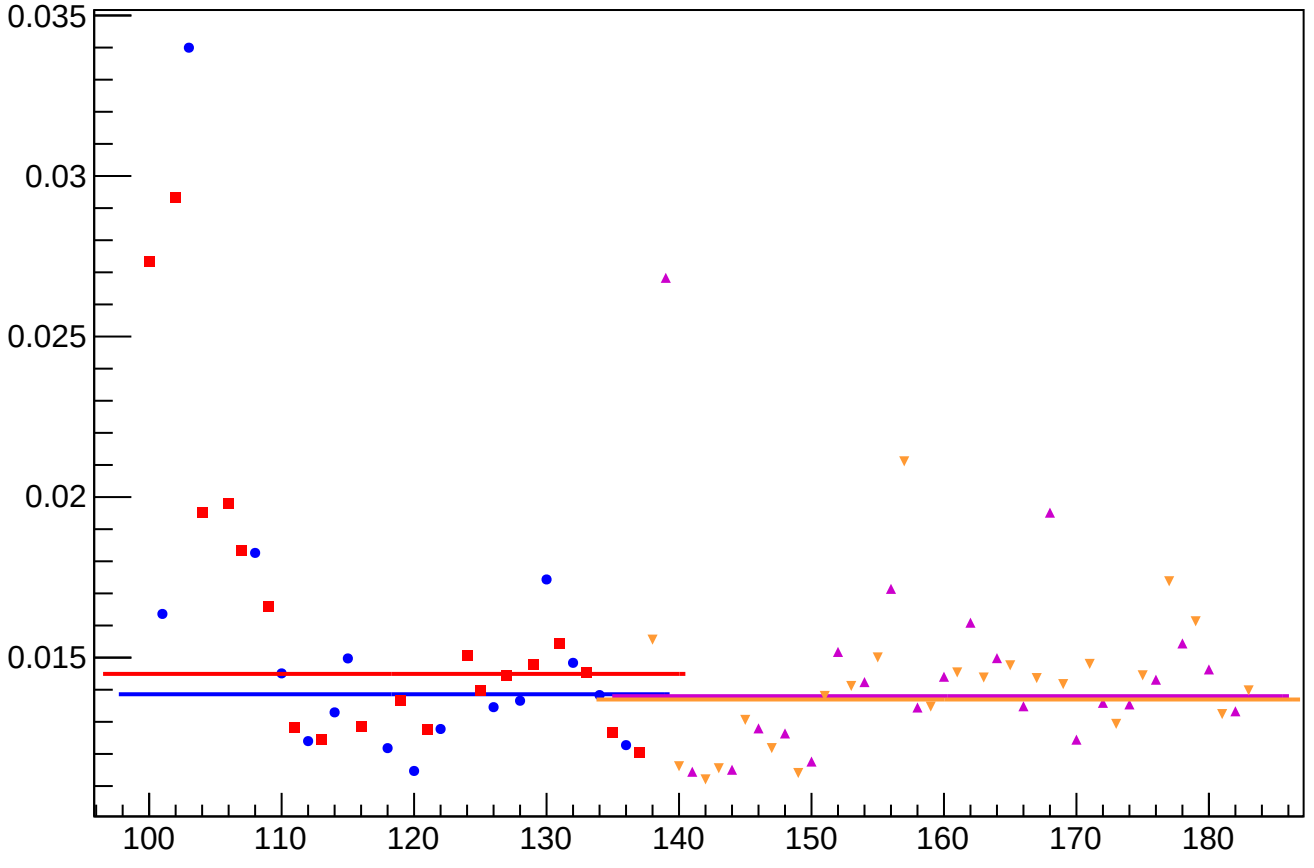
Left In: 1.231+/-0.000 χ^2/NDF:2396213200.3/21

+ sign 1.168+/-0.000 χ^2/NDF: 5959198745.1/39

All: 1.161+/-0.000 χ^2/NDF: 11894814956.8/8

- sign 1.154+/-0.000 χ^2/NDF: 5924433267.0/40

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.014+/-0.000 χ^2/NDF:542389.2/23

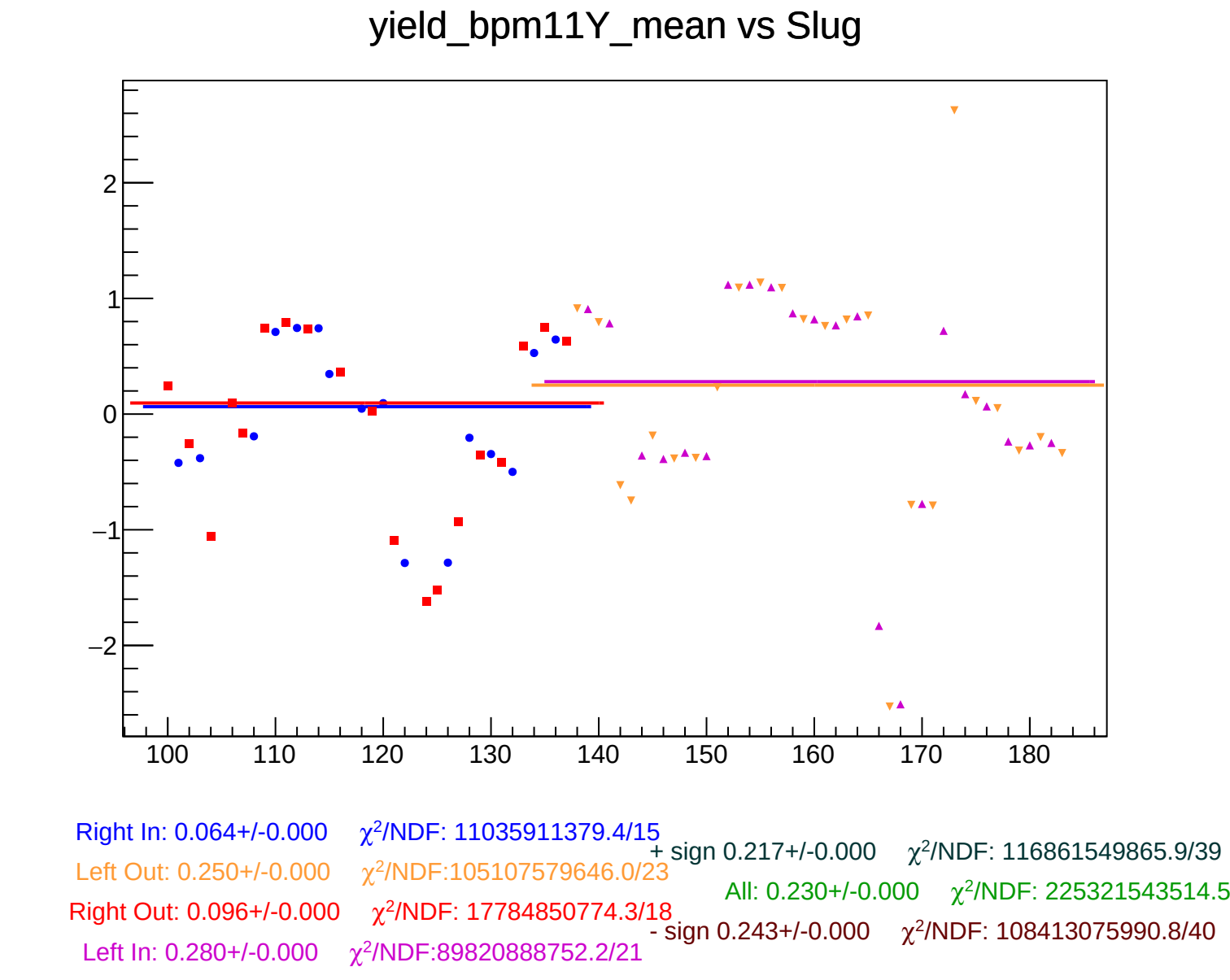
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:869776.6/21

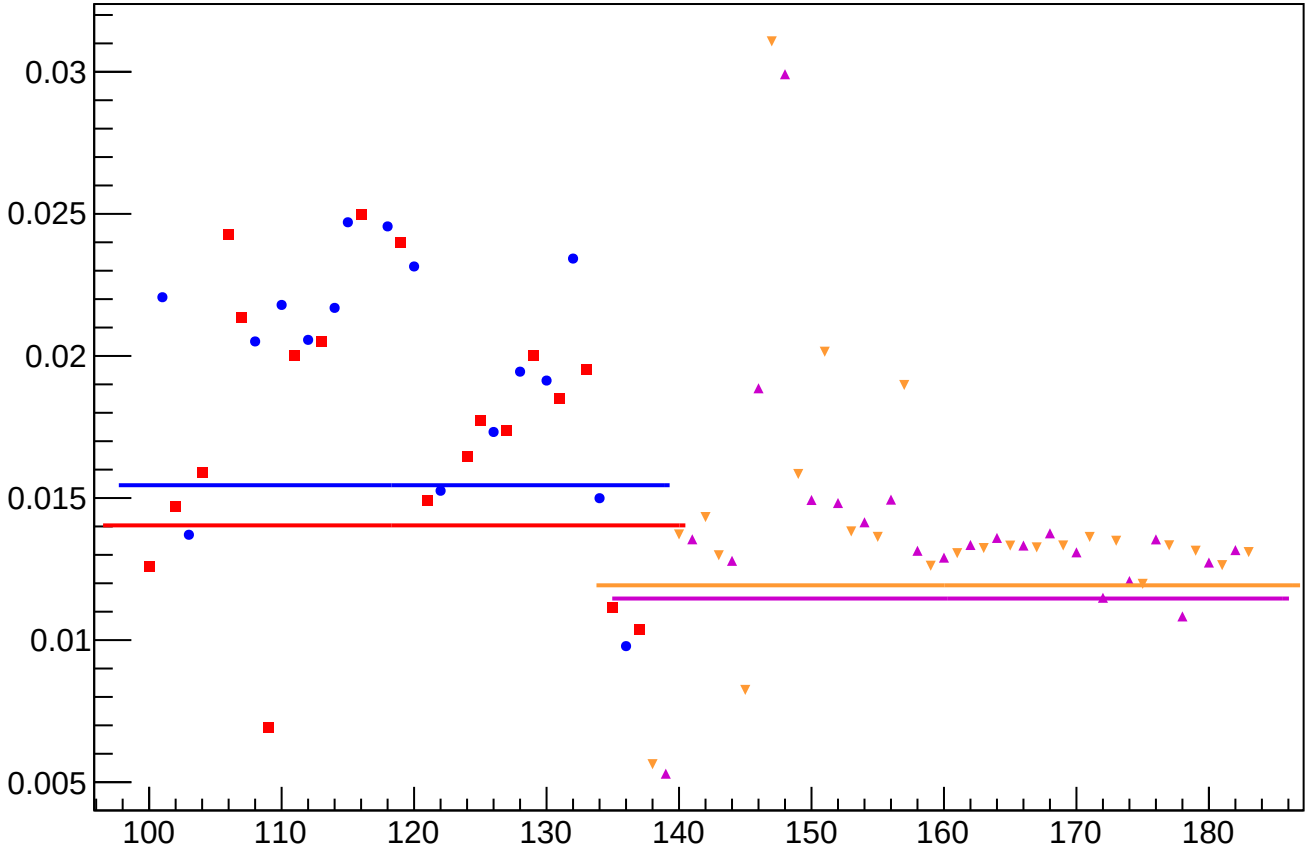
+ sign 0.014+/-0.000 χ^2/NDF: 1143640.0/39

All: 0.014+/-0.000 χ^2/NDF: 2586389.5/80

- sign 0.014+/-0.000 χ^2/NDF: 1435657.5/40


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.064+/-0.000 χ²/NDF: 11035911379.4/15
Left Out: 0.250+/-0.000 χ²/NDF:105107579646.0/23
Right Out: 0.096+/-0.000 χ²/NDF: 17784850774.3/18
Left In: 0.280+/-0.000 χ²/NDF:89820888752.2/21
+ sign 0.217+/-0.000 χ²/NDF: 116861549865.9/39
All: 0.230+/-0.000 χ²/NDF: 225321543514.5
- sign 0.243+/-0.000 χ²/NDF: 108413075990.8/40

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3257355.8/23

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

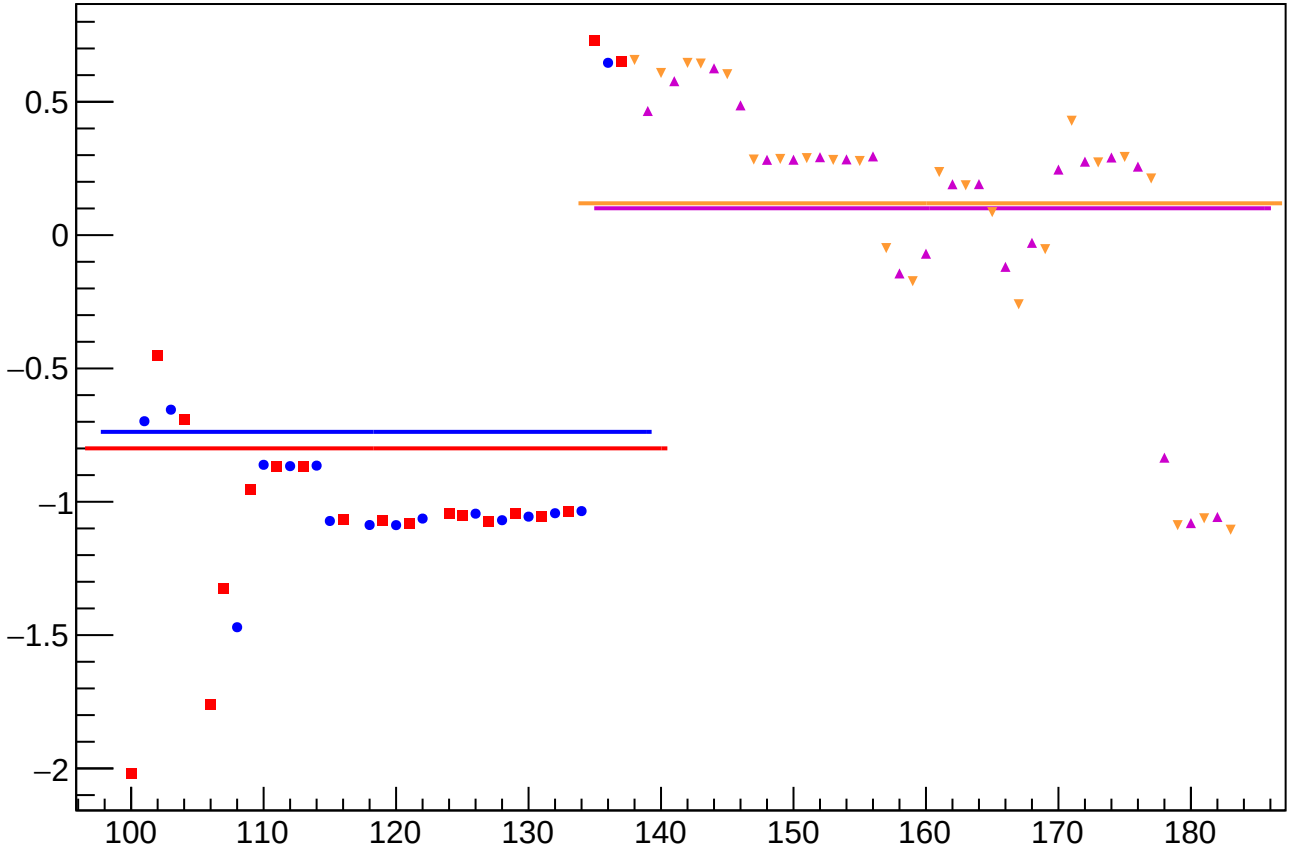
Left In: 0.011+/-0.000 χ^2/NDF:3660380.4/21

+ sign 0.013+/-0.000 χ^2/NDF: 5064499.7/39

All: 0.012+/-0.000 χ^2/NDF: 10772294.3/80

- sign 0.012+/-0.000 χ^2/NDF: 5661686.5/40

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.119+/-0.000 χ^2/NDF:3554508911.9/23

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

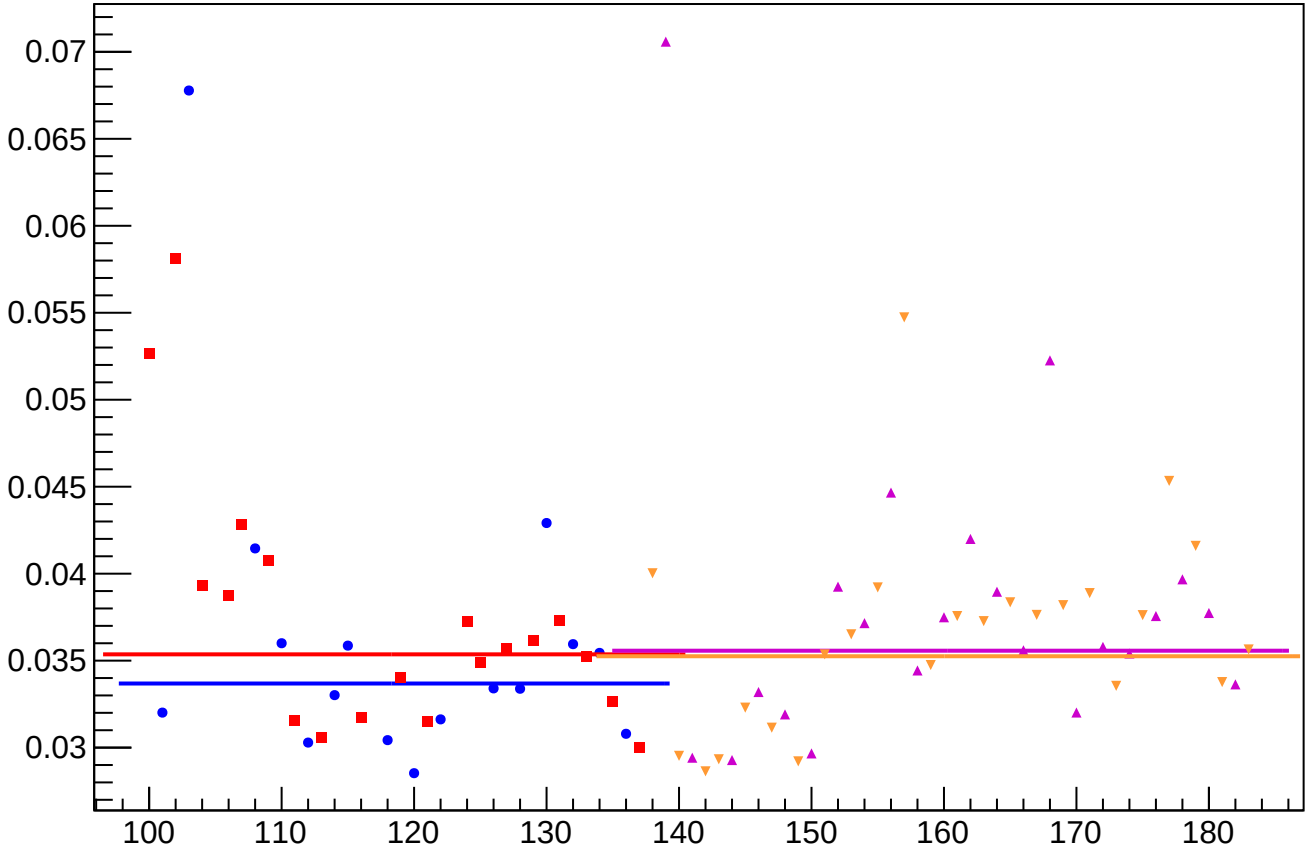
Left In: 0.101+/-0.000 χ^2/NDF:2951897891.4/21

+ sign -0.133+/-0.000 χ^2/NDF: 8508731235.0/39

All: -0.147+/-0.000 χ^2/NDF: 16318500066.8/

- sign -0.163+/-0.000 χ^2/NDF: 7801501703.3/40

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:606464.5/23

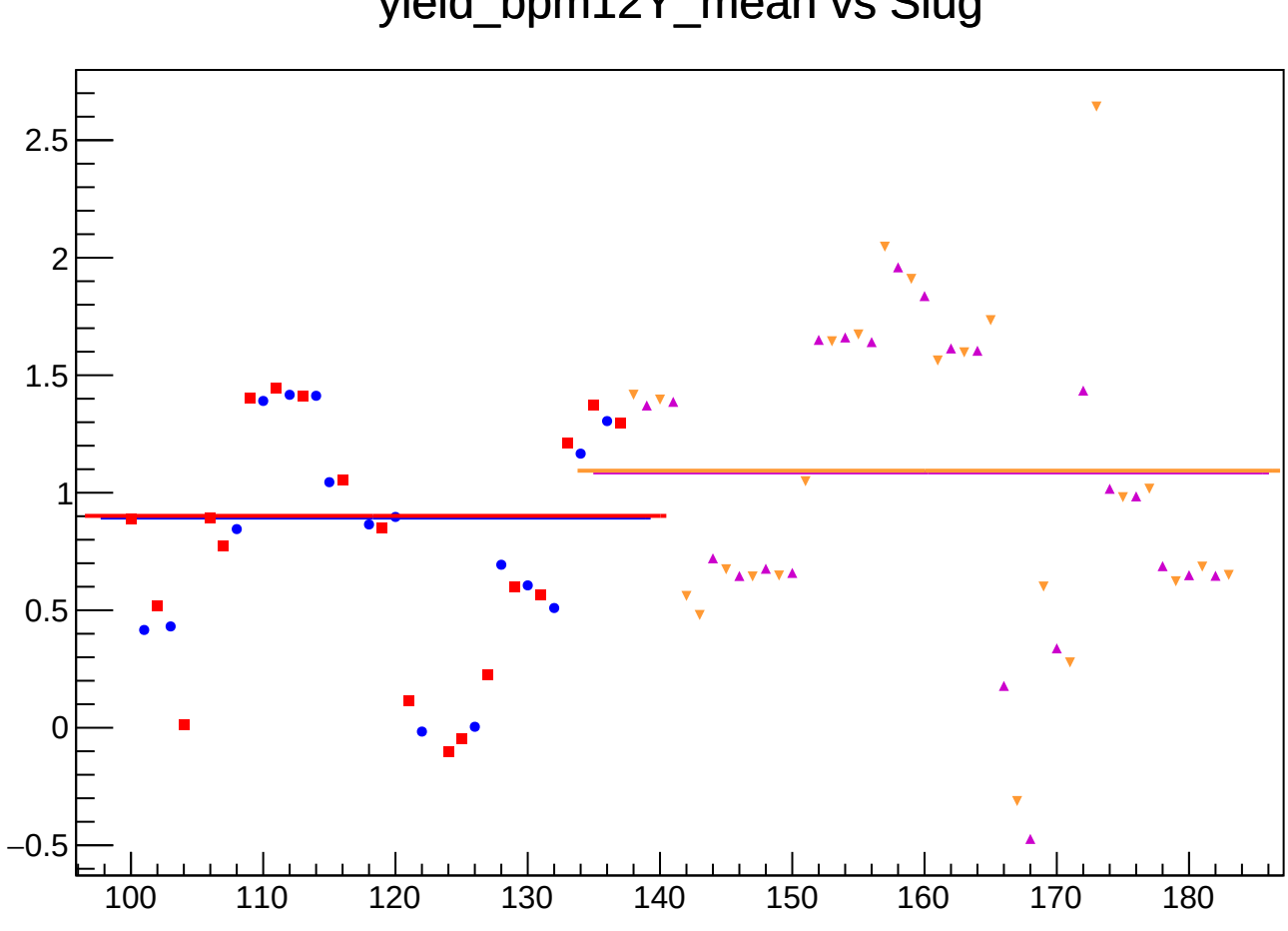
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.036+/-0.000 χ^2/NDF:960280.2/21

+ sign 0.035+/-0.000 χ^2/NDF: 1045965.7/39

All: 0.035+/-0.000 χ^2/NDF: 2312344.8/80

- sign 0.036+/-0.000 χ^2/NDF: 1256954.5/40



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.094+/-0.000 χ^2/NDF:93286496592.1/23

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

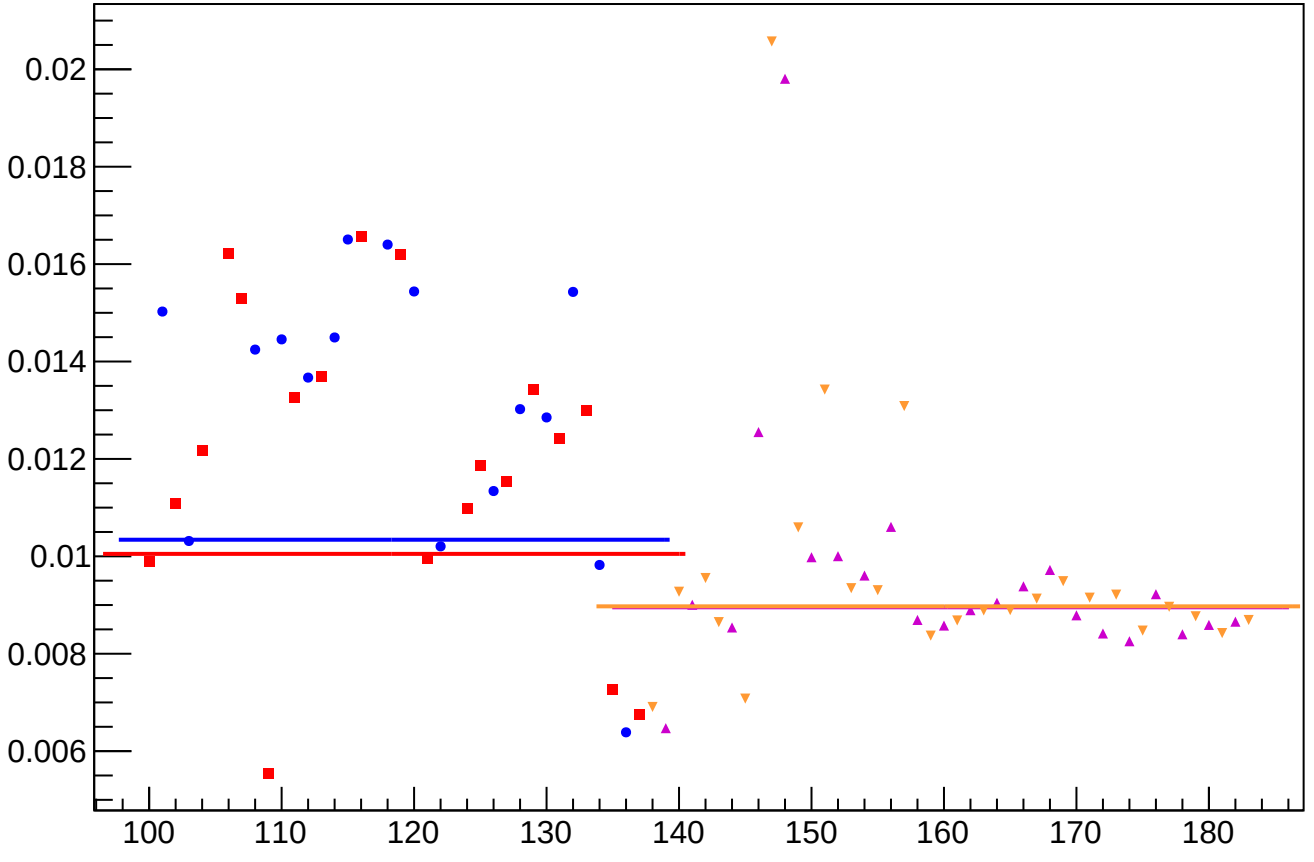
Left In: 1.086+/-0.000 χ^2/NDF:73383214153.5/21

+ sign 1.054+/-0.000 χ^2/NDF: 107807192308.3/39

All: 1.049+/-0.000 χ^2/NDF: 200691350841.1

- sign 1.045+/-0.000 χ^2/NDF: 92874027729.7/40

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.3/23

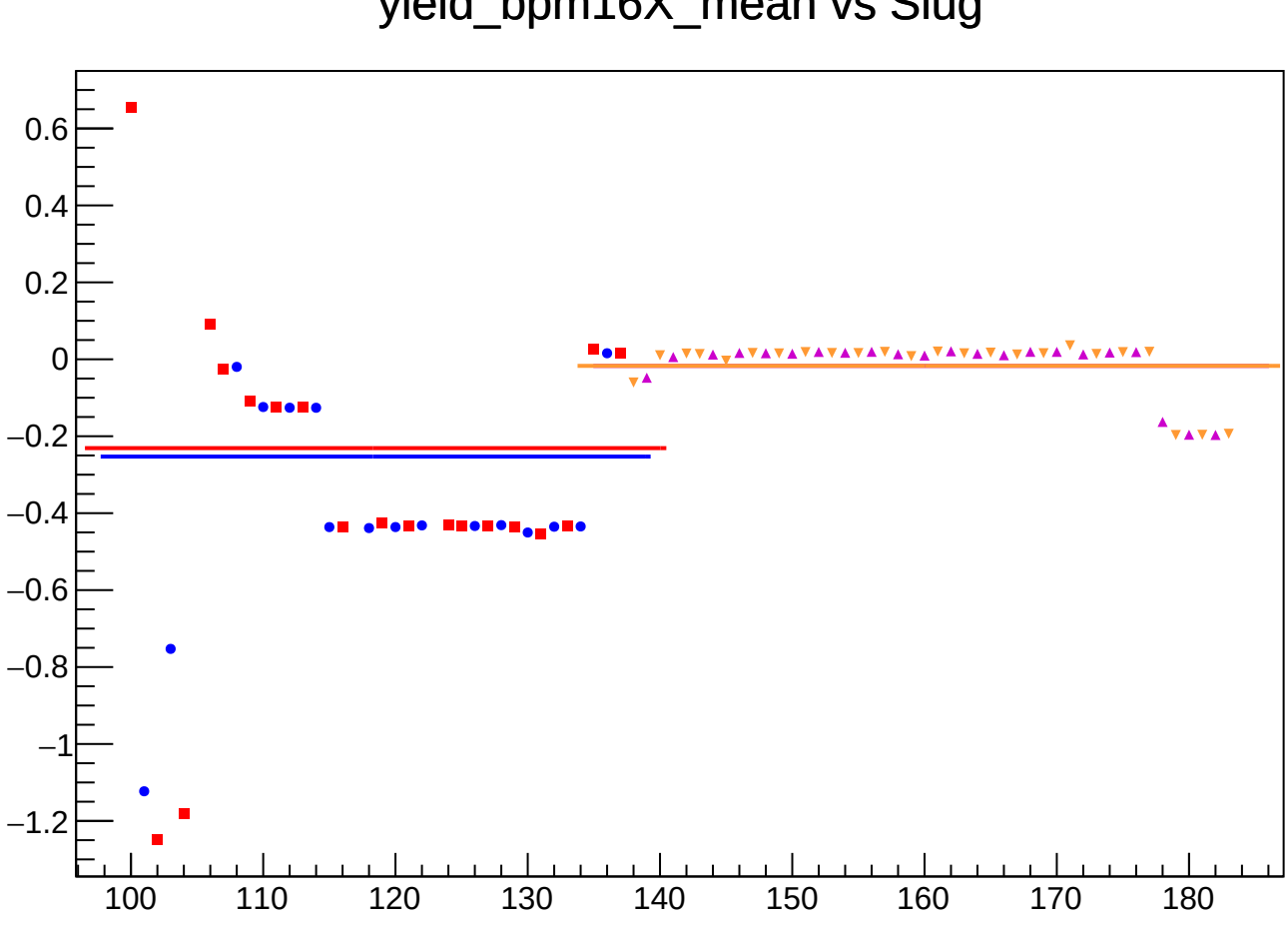
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:966027.3/21

+ sign 0.009+/-0.000 χ^2/NDF: 2663609.5/39

All: 0.009+/-0.000 χ^2/NDF: 5079634.1/80

- sign 0.009+/-0.000 χ^2/NDF: 2415371.1/40



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: -0.017+/-0.000 χ^2/NDF:990291513.2/23

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

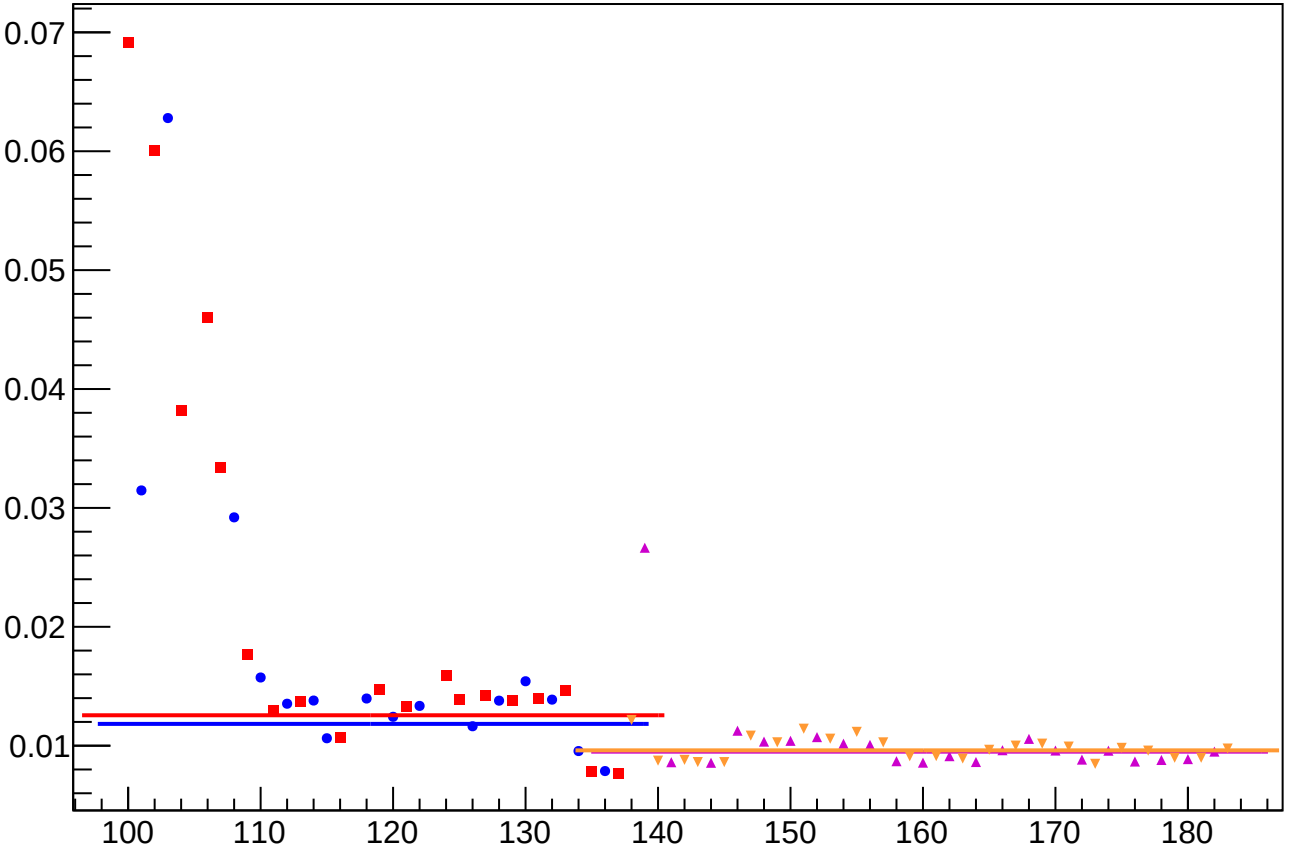
Left In: -0.017+/-0.000 χ^2/NDF:901301200.3/21

+ sign -0.057+/-0.000 χ^2/NDF: 4657474414.3/39

All: -0.054+/-0.000 χ^2/NDF: 8587666483.3/8

- sign -0.052+/-0.000 χ^2/NDF: 3927304506.8/40

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:270189.8/23

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

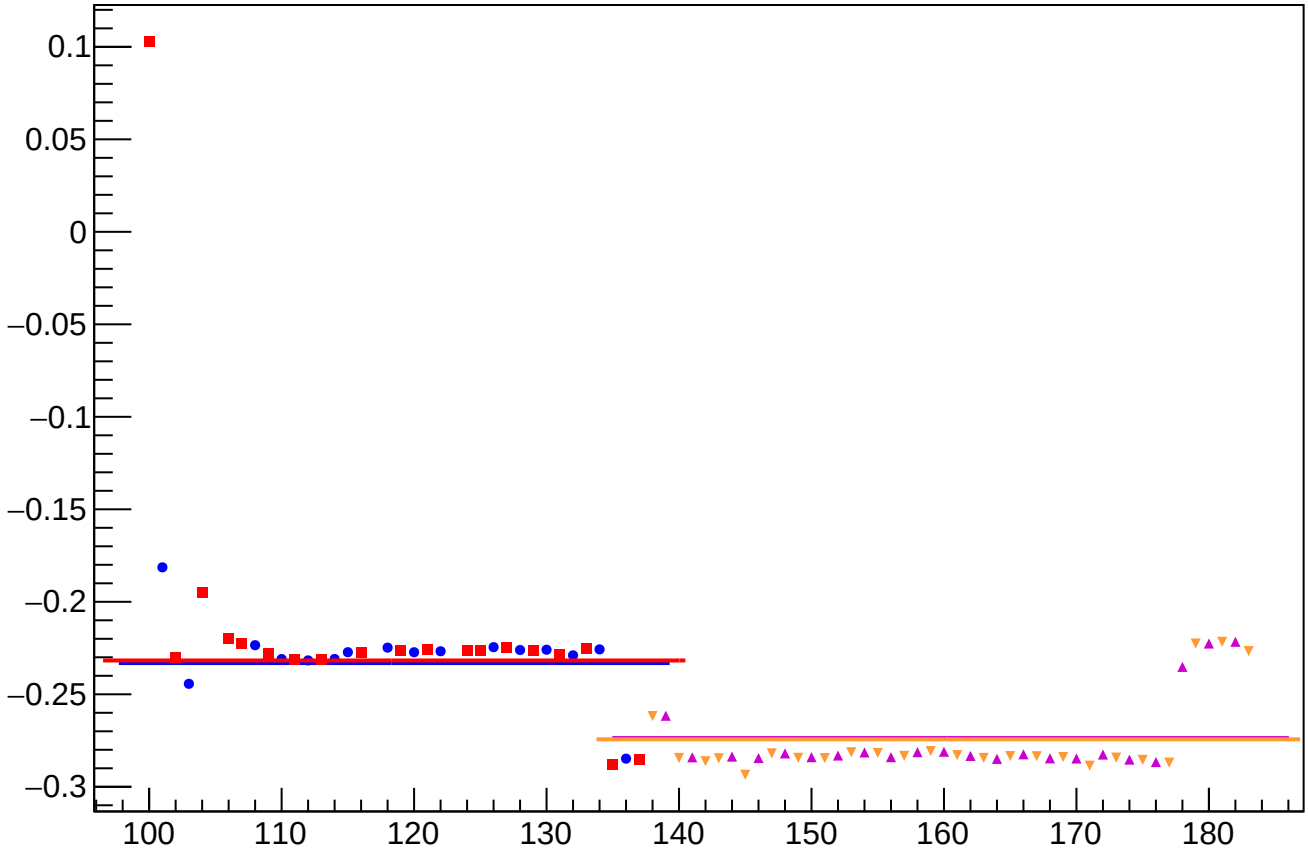
Left In: 0.009+/-0.000 χ^2/NDF:900432.4/21

+ sign 0.010+/-0.000 χ^2/NDF: 2505311.2/39

All: 0.010+/-0.000 χ^2/NDF: 6122467.2/80

- sign 0.010+/-0.000 χ^2/NDF: 3617145.4/40

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.274+/-0.000 χ^2/NDF:368100401.6/23

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

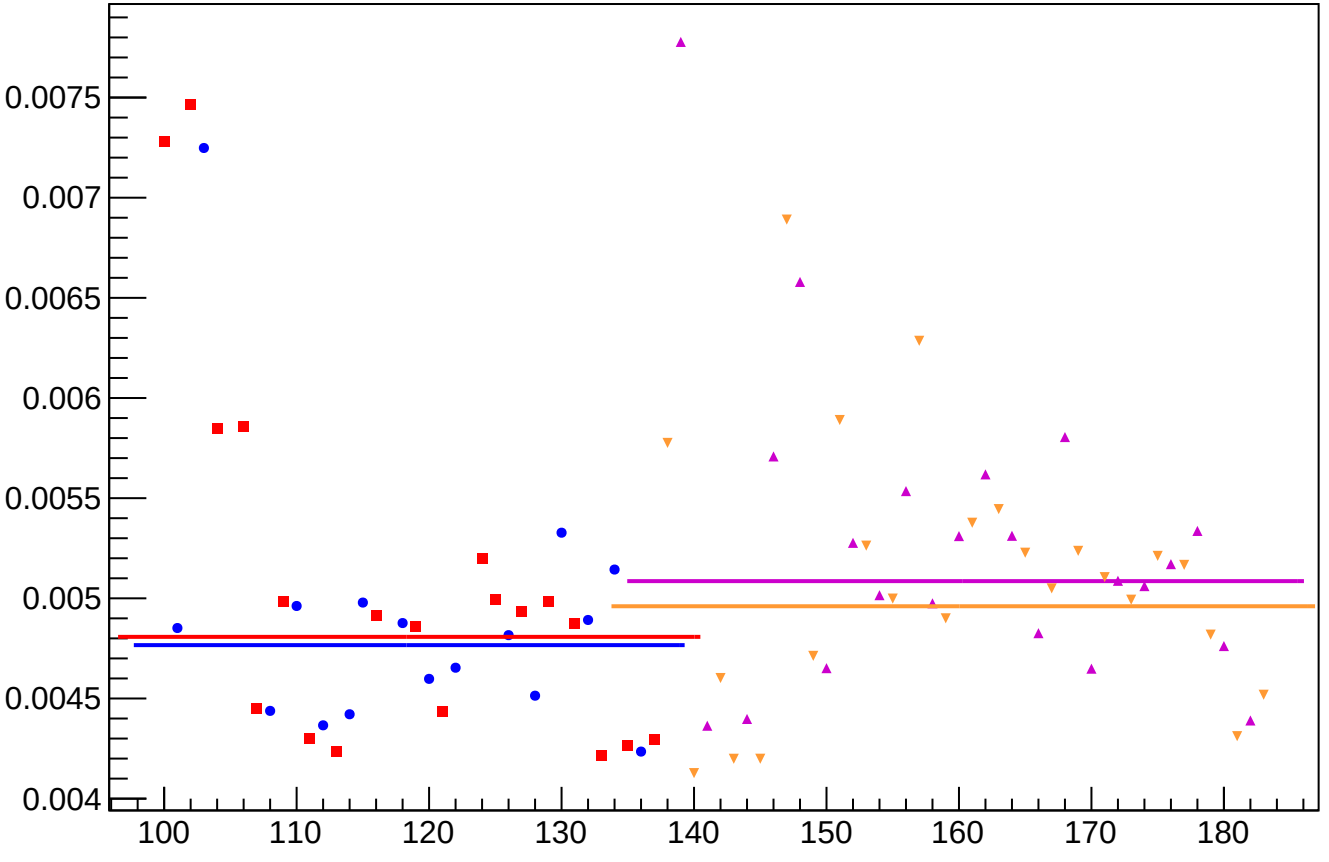
Left In: -0.274+/-0.000 χ^2/NDF:304256619.9/21

+ sign -0.263+/-0.000 χ^2/NDF: 913607344.0/39

All: -0.262+/-0.000 χ^2/NDF: 1860395816.3/8

- sign -0.261+/-0.000 χ^2/NDF: 944854810.3/40

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:519901.0/23

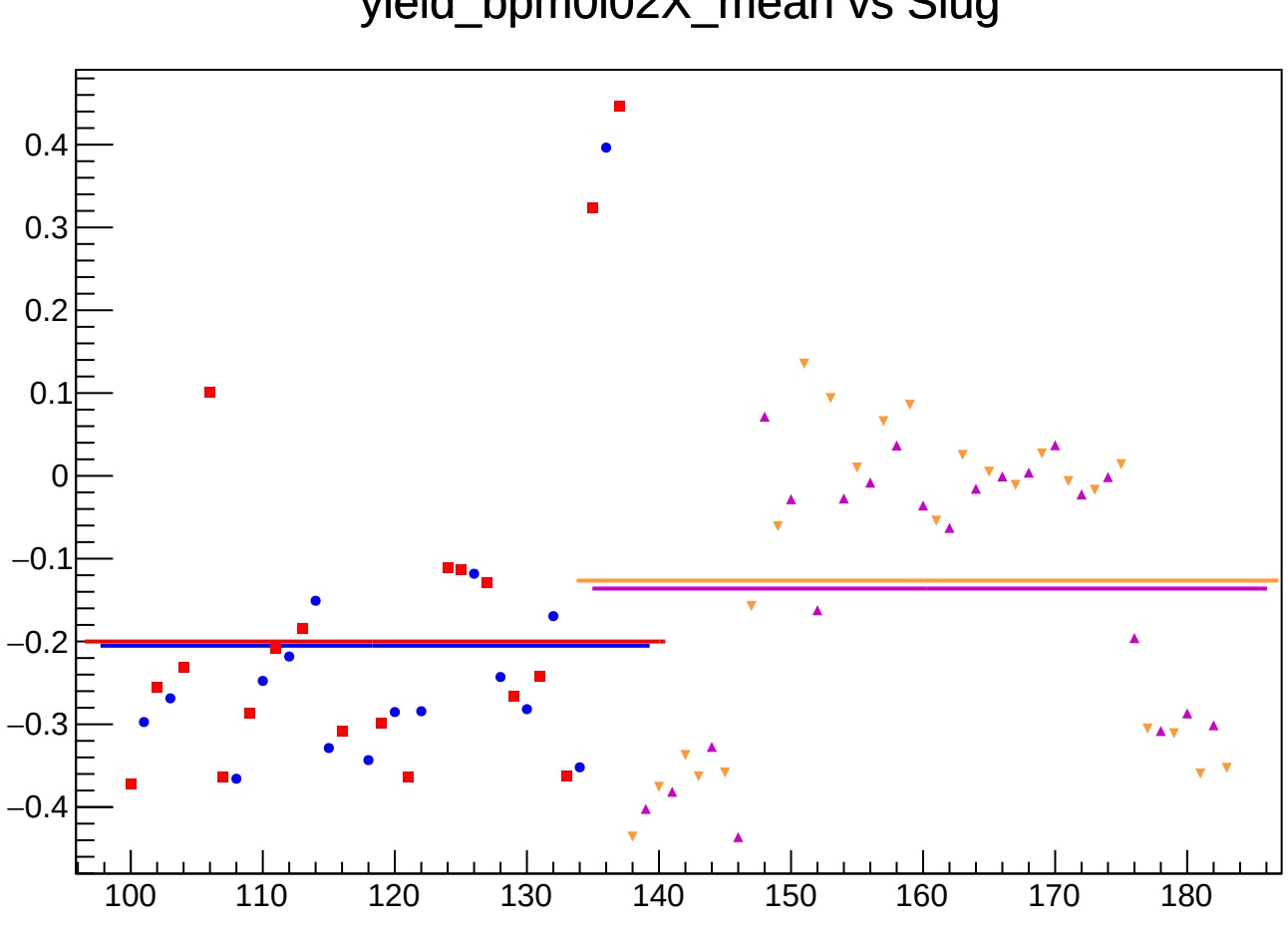
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:517901.6/21

+ sign 0.005+/-0.000 χ^2/NDF: 727005.5/39

All: 0.005+/-0.000 χ^2/NDF: 1578440.0/80

- sign 0.005+/-0.000 χ^2/NDF: 842743.9/40



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.127+/-0.000 χ^2/NDF:20911827058.3/23

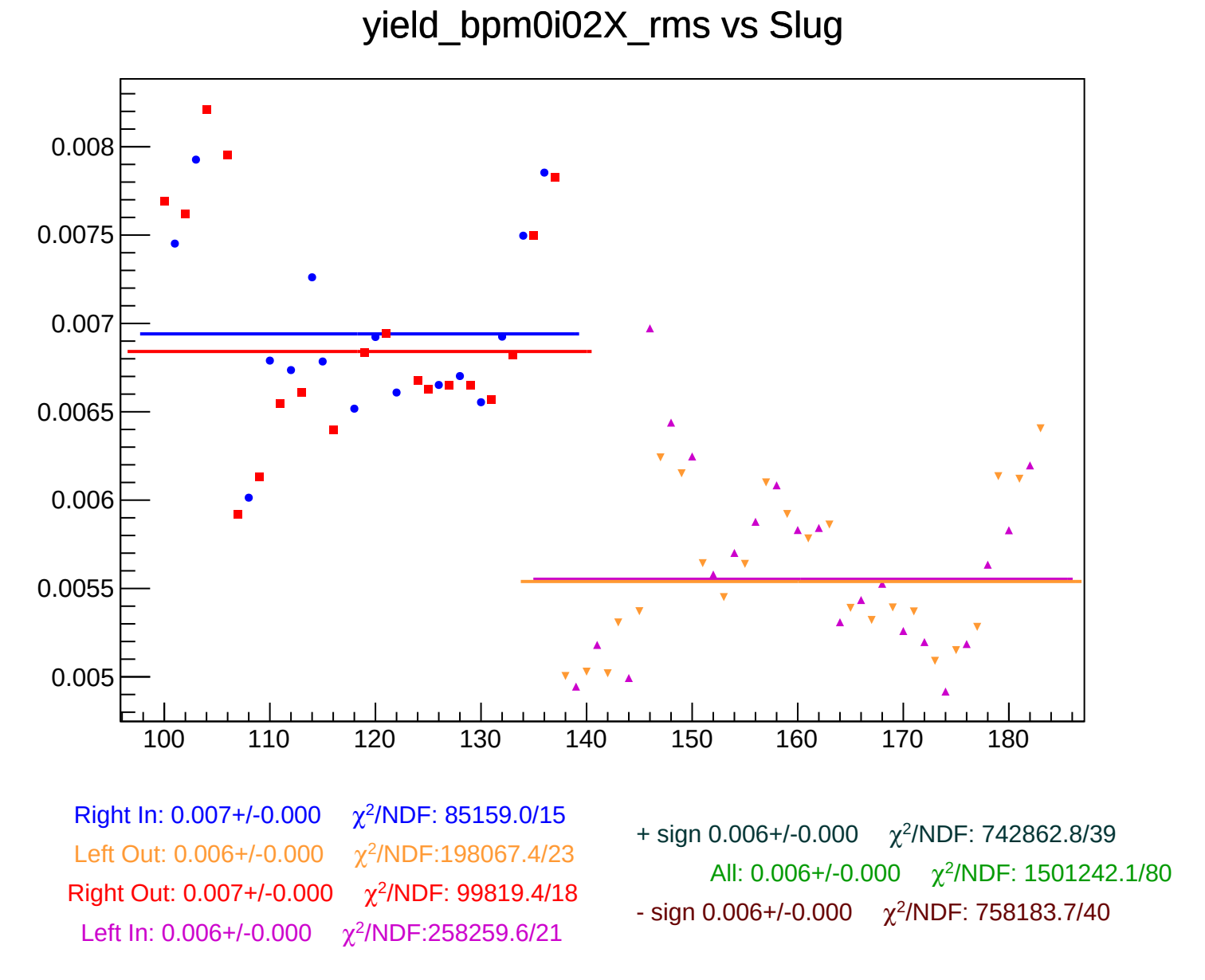
Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

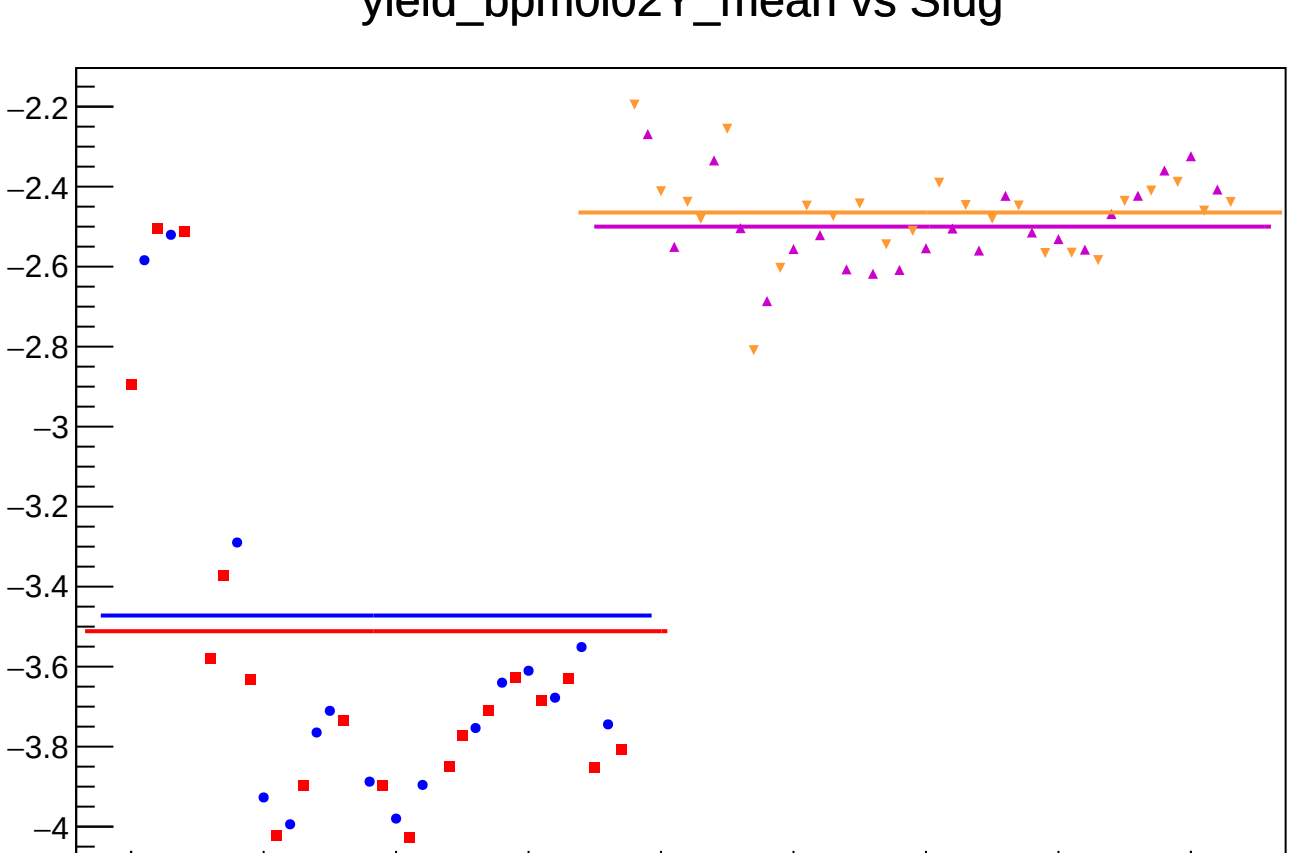
Left In: -0.136+/-0.000 χ^2/NDF:14619645737.6/21

+ sign -0.142+/-0.000 χ^2/NDF: 27824353400.5/39

All: -0.146+/-0.000 χ^2/NDF: 48209271729.3/

- sign -0.150+/-0.000 χ^2/NDF: 20361986757.6/40


yield_bpm0i02X_rms vs Slug
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.000 χ²/NDF: 85159.0/15
Left Out: 0.006+/-0.000 χ²/NDF:198067.4/23
Right Out: 0.007+/-0.000 χ²/NDF: 99819.4/18
Left In: 0.006+/-0.000 χ²/NDF:258259.6/21
+ sign 0.006+/-0.000 χ²/NDF: 742862.8/39
All: 0.006+/-0.000 χ²/NDF: 1501242.1/80
- sign 0.006+/-0.000 χ²/NDF: 758183.7/40



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.465+/-0.000 χ^2/NDF:2164593901.1/23

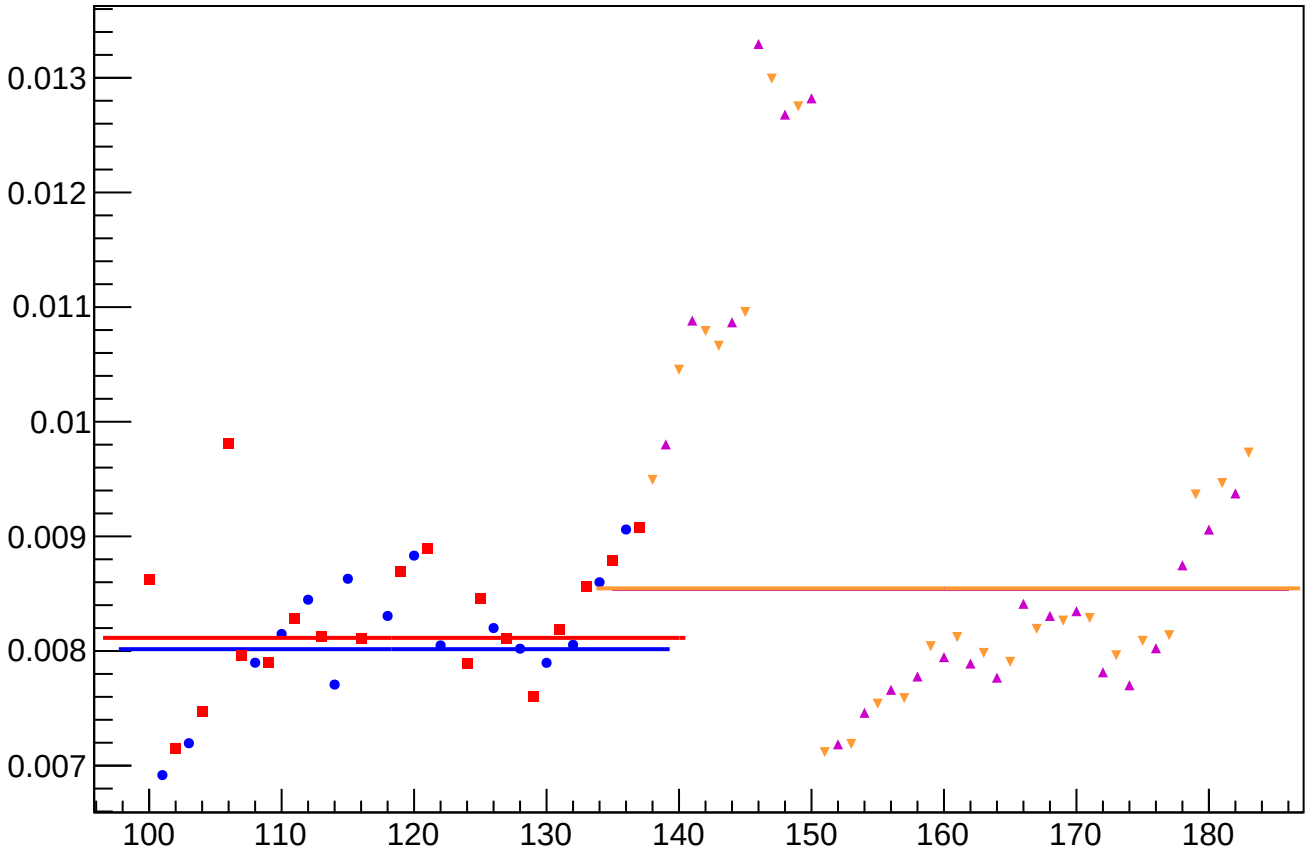
Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.500+/-0.000 χ^2/NDF:2260791338.5/21

+ sign -2.775+/-0.000 χ^2/NDF: 108127191234.5/39

All: -2.799+/-0.000 χ^2/NDF: 215731609730.

- sign -2.823+/-0.000 χ^2/NDF: 107209981969.0/40



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:817864.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

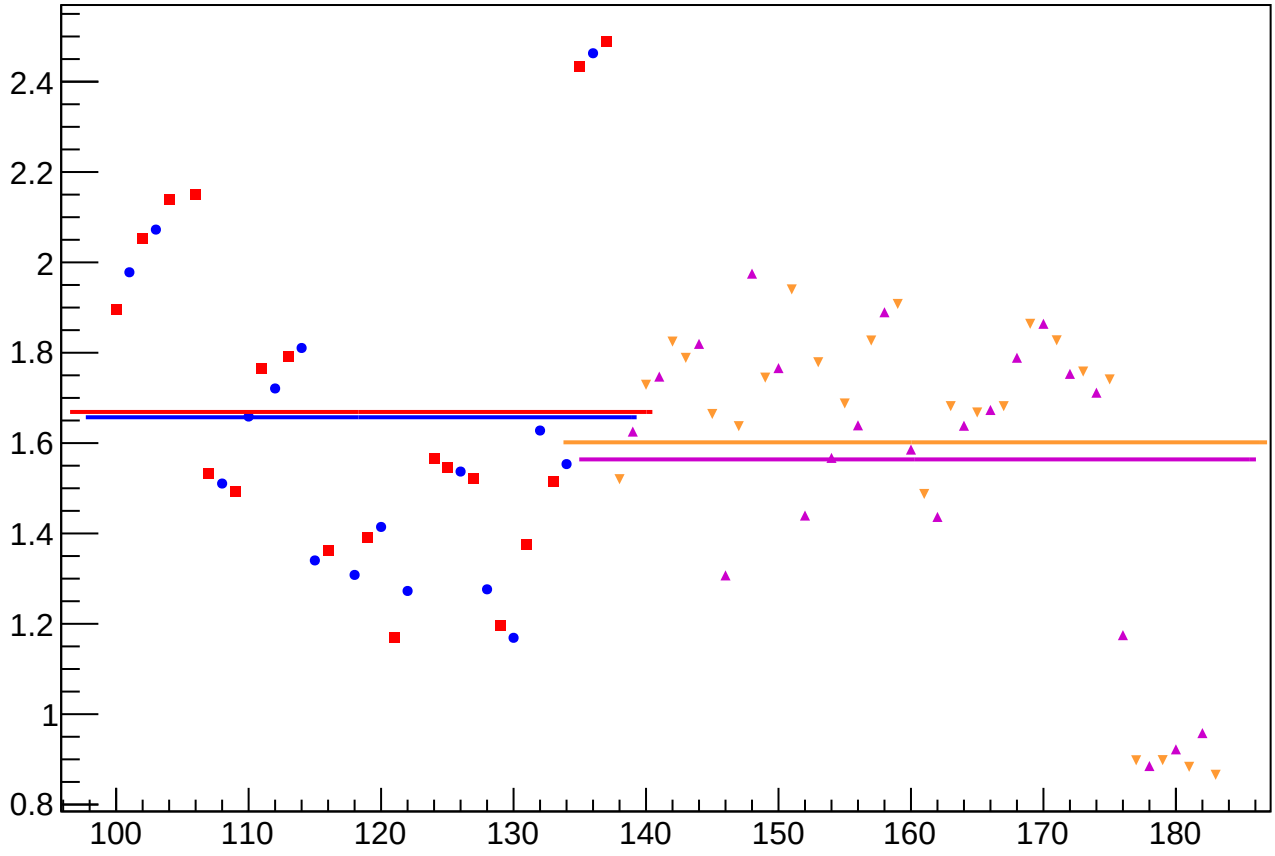
Left In: 0.009+/-0.000 χ^2/NDF:909997.1/21

+ sign 0.008+/-0.000 χ^2/NDF: 946401.1/39

All: 0.008+/-0.000 χ^2/NDF: 1954334.7/80

- sign 0.008+/-0.000 χ^2/NDF: 1007769.9/40

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.602+/-0.000 χ^2/NDF:15884883894.6/23

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

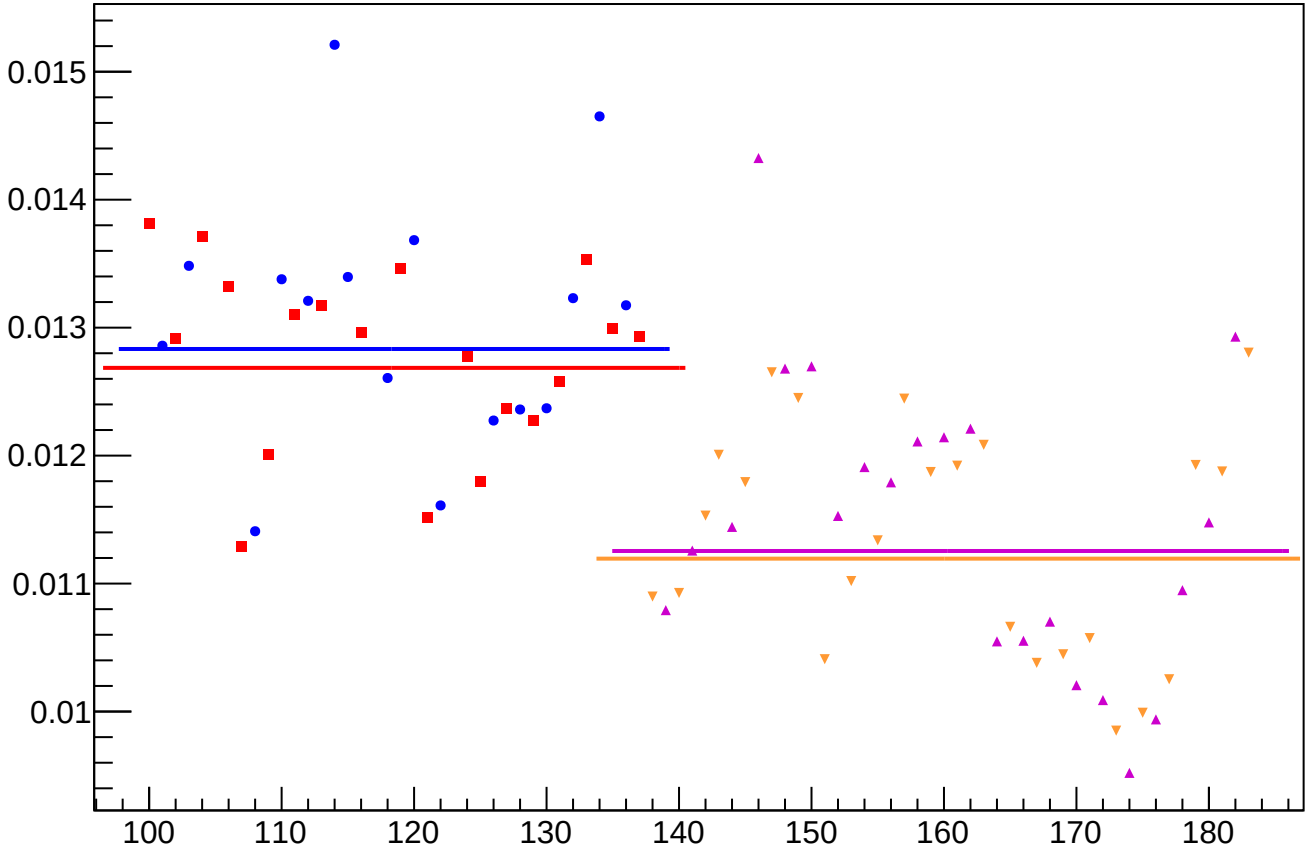
Left In: 1.564+/-0.000 χ^2/NDF:12895662135.9/21

+ sign 1.614+/-0.000 χ^2/NDF: 22652398177.1/39

All: 1.603+/-0.000 χ^2/NDF: 42329963815.2/8

- sign 1.590+/-0.000 χ^2/NDF: 19624137989.3/40

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:221997.7/23

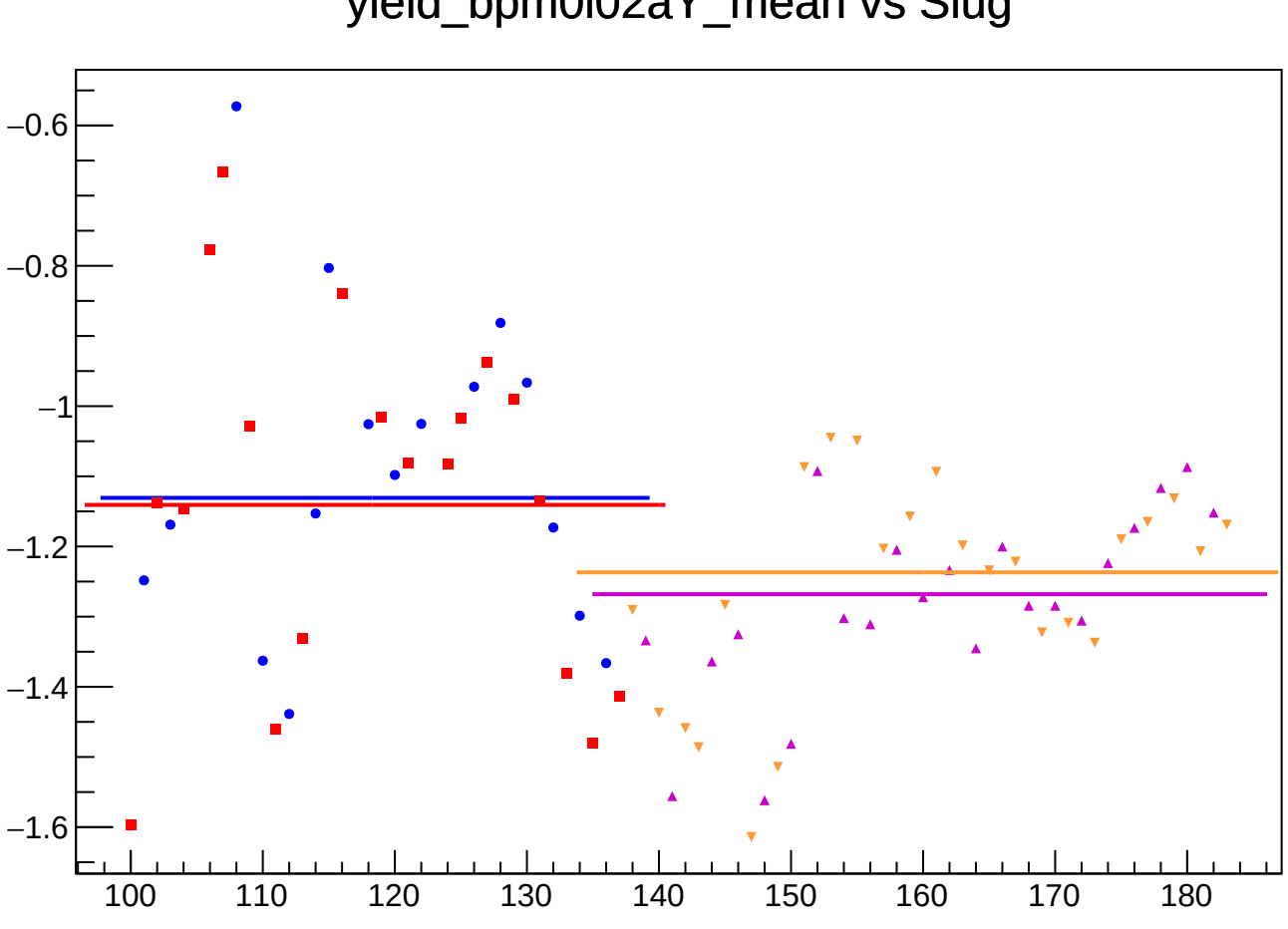
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:310626.1/21

+ sign 0.012+/-0.000 χ^2/NDF: 451389.6/39

All: 0.012+/-0.000 χ^2/NDF: 943400.4/80

- sign 0.012+/-0.000 χ^2/NDF: 491626.3/40



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.237+/-0.000 χ^2/NDF:4972271975.5/23

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

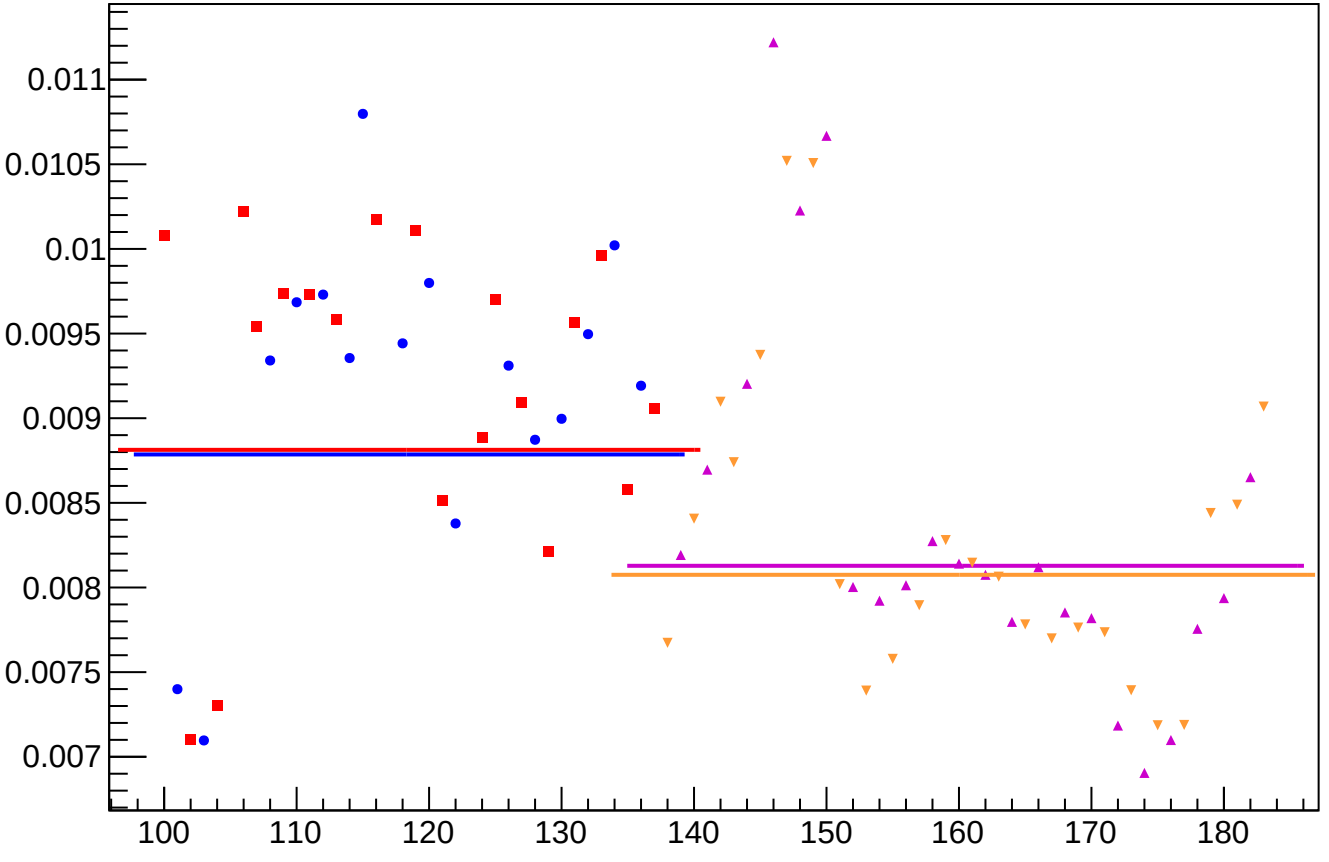
Left In: -1.268+/-0.000 χ^2/NDF:3640998167.5/21

+ sign -1.211+/-0.000 χ^2/NDF: 9517225562.0/39

All: -1.223+/-0.000 χ^2/NDF: 17876172029.8/

- sign -1.235+/-0.000 χ^2/NDF: 8256274197.7/40

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:321815.3/23

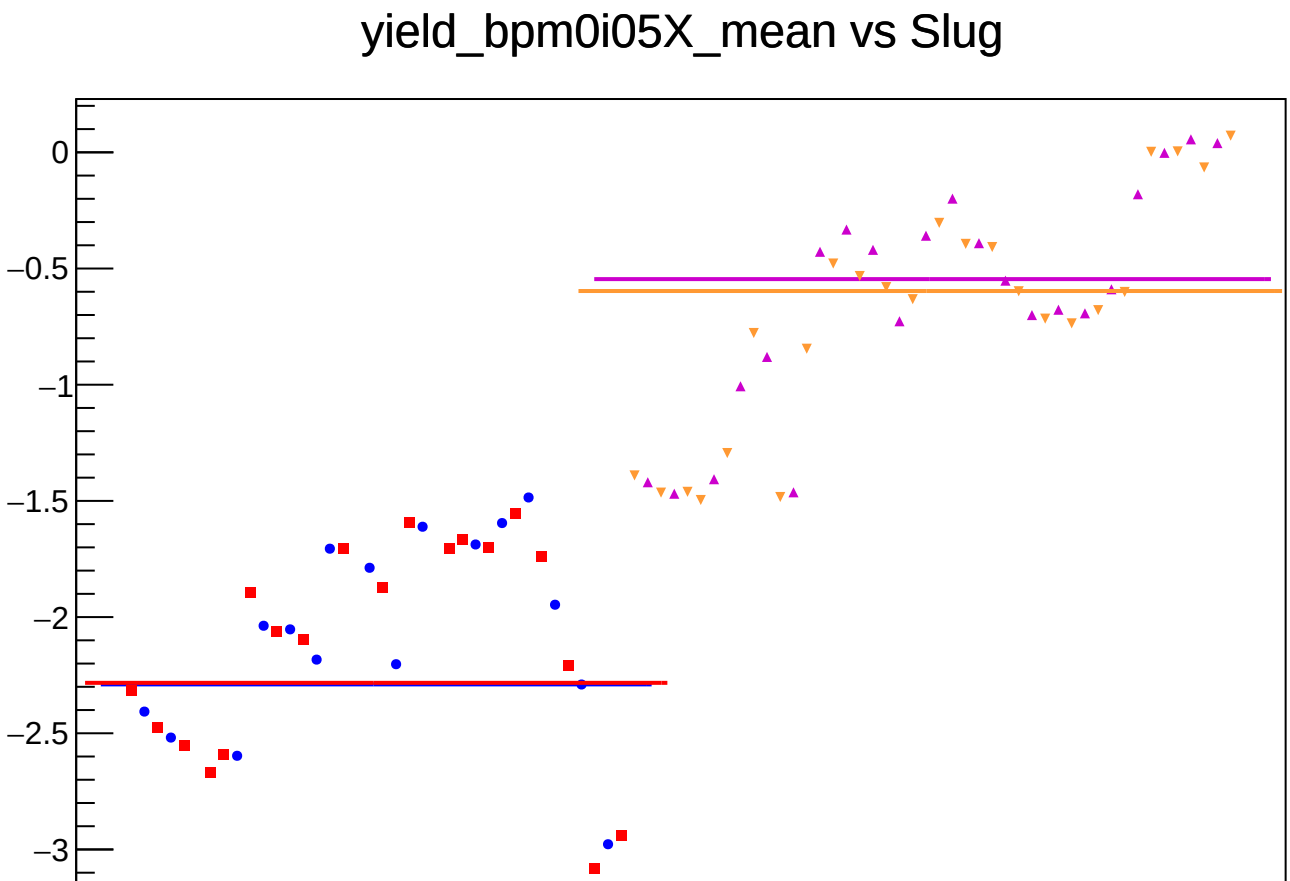
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:409019.2/21

+ sign 0.008+/-0.000 χ^2/NDF: 562995.9/39

All: 0.008+/-0.000 χ^2/NDF: 1239662.0/80

- sign 0.008+/-0.000 χ^2/NDF: 675525.8/40



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.597+/-0.000 χ^2/NDF:71337477366.0/23

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

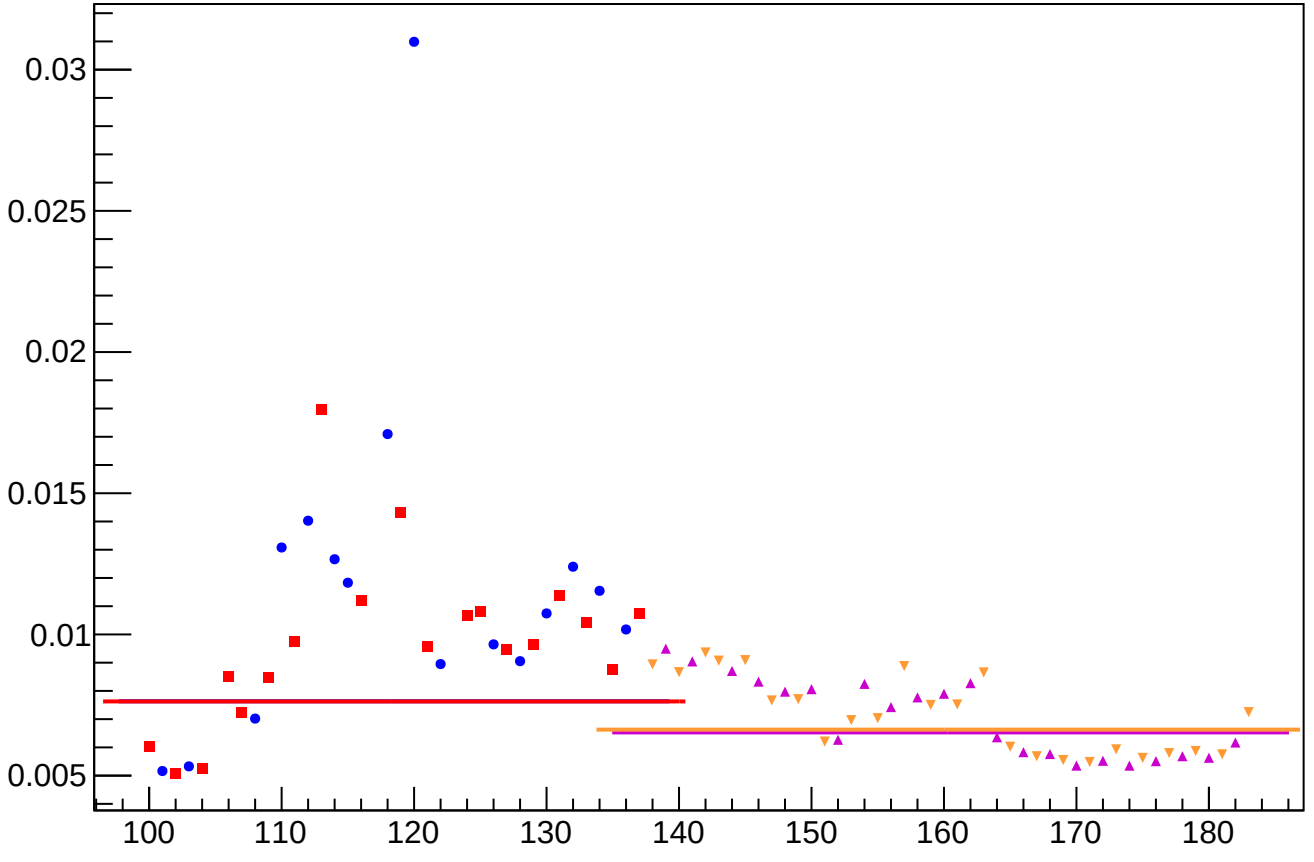
Left In: -0.546+/-0.000 χ^2/NDF:68227937114.4/21

+ sign -0.916+/-0.000 χ^2/NDF: 289502543783.7/39

All: -0.910+/-0.000 χ^2/NDF: 602913692228.3

- sign -0.905+/-0.000 χ^2/NDF: 313383581426.9/40

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1068609.5/23

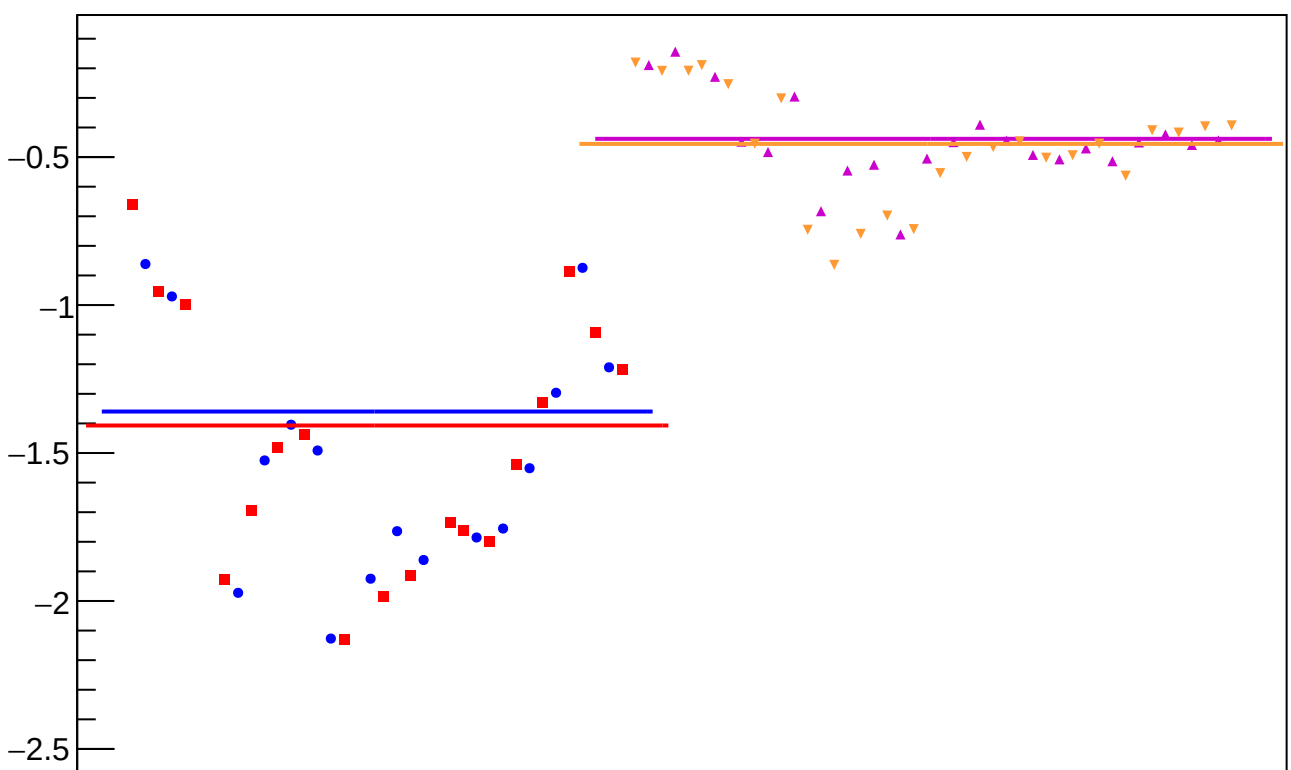
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1150284.9/21

+ sign 0.007+/-0.000 χ^2/NDF: 2922284.3/39

All: 0.007+/-0.000 χ^2/NDF: 5573946.9/80

- sign 0.007+/-0.000 χ^2/NDF: 2649976.2/40



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.455+/-0.000 χ^2/NDF:28894633792.5/23

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

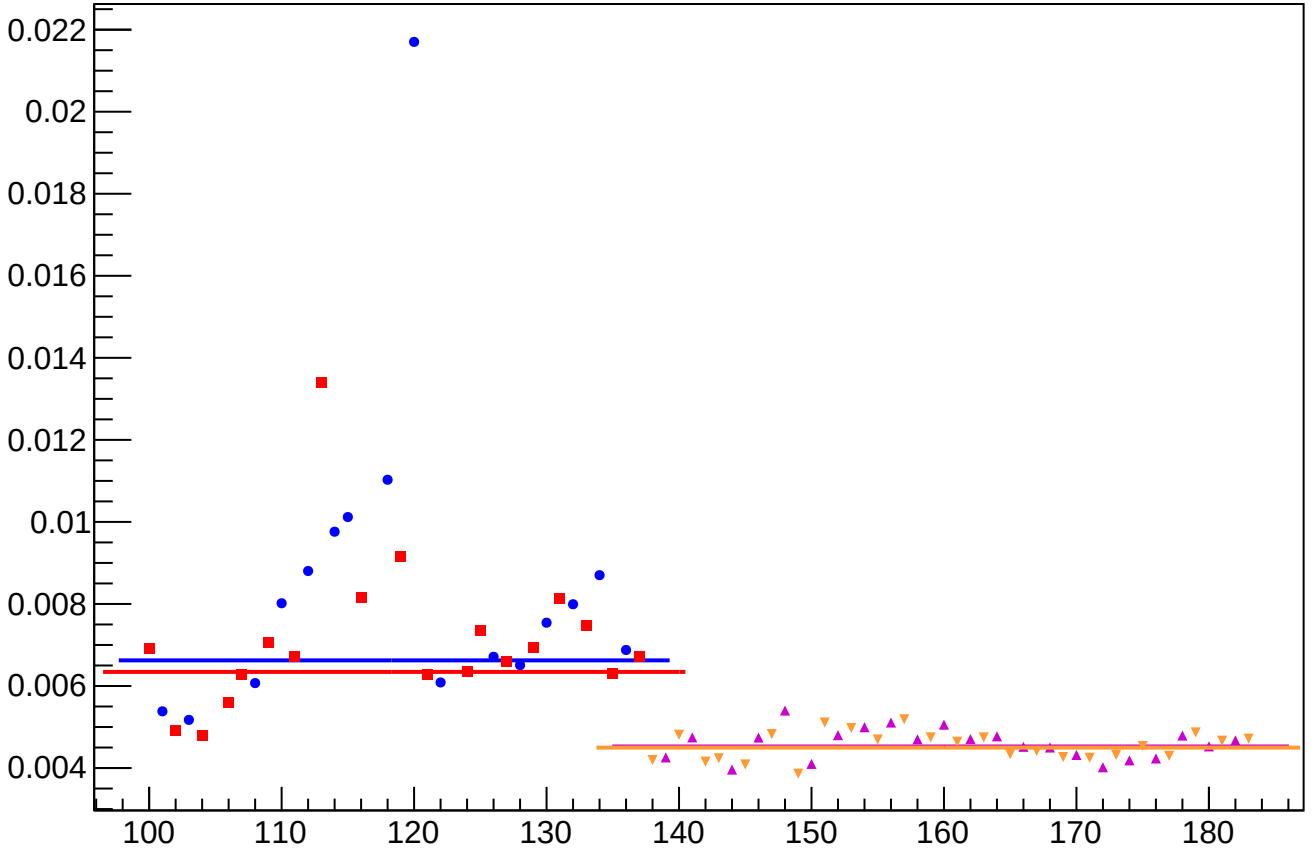
Left In: -0.438+/-0.000 χ^2/NDF:16454440541.3/21

+ sign -0.576+/-0.000 χ^2/NDF: 143918151218.2/39

All: -0.584+/-0.000 χ^2/NDF: 310256418469.4

- sign -0.593+/-0.000 χ^2/NDF: 166193632278.5/40

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:188049.7/23

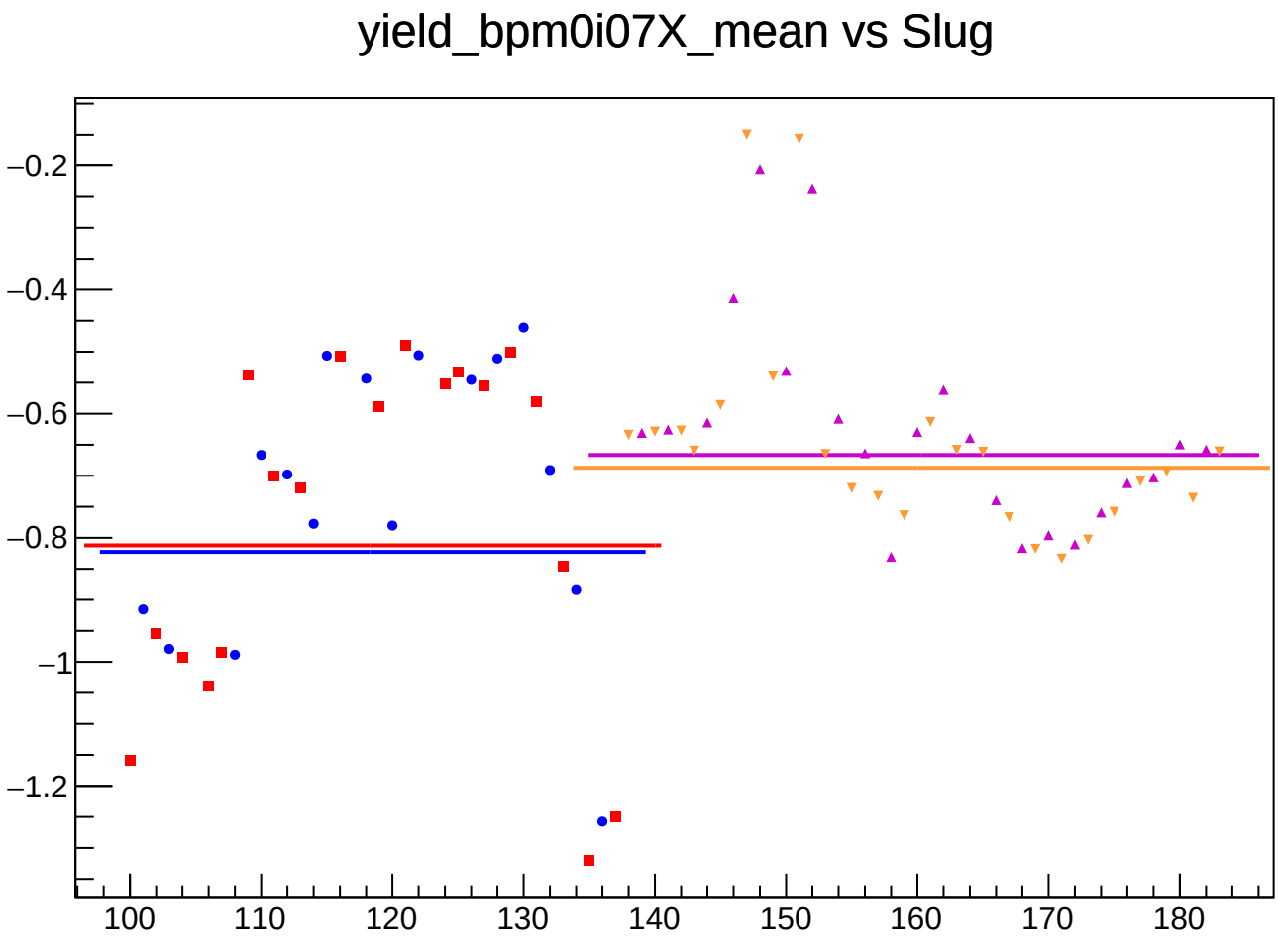
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:210034.8/21

+ sign 0.005+/-0.000 χ^2/NDF: 1916316.0/39

All: 0.005+/-0.000 χ^2/NDF: 3501396.1/80

- sign 0.005+/-0.000 χ^2/NDF: 1583909.5/40



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.687+/-0.000 χ^2/NDF:22461863972.2/23

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

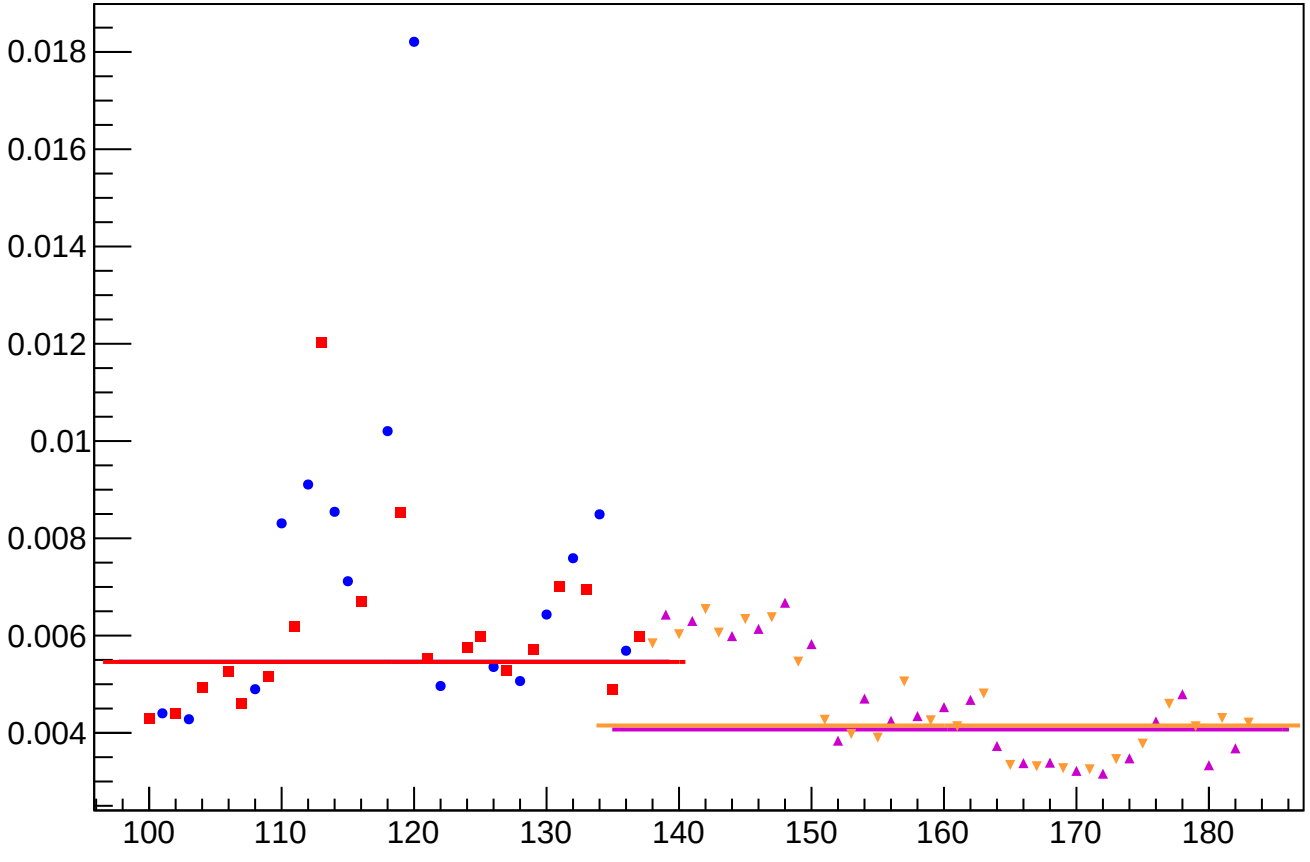
Left In: -0.667+/-0.000 χ^2/NDF:22524932208.0/21

+ sign -0.709+/-0.000 χ^2/NDF: 37530931456.9/39

All: -0.701+/-0.000 χ^2/NDF: 78560716177.5/

- sign -0.692+/-0.000 χ^2/NDF: 40868825568.8/40

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1505275.4/23

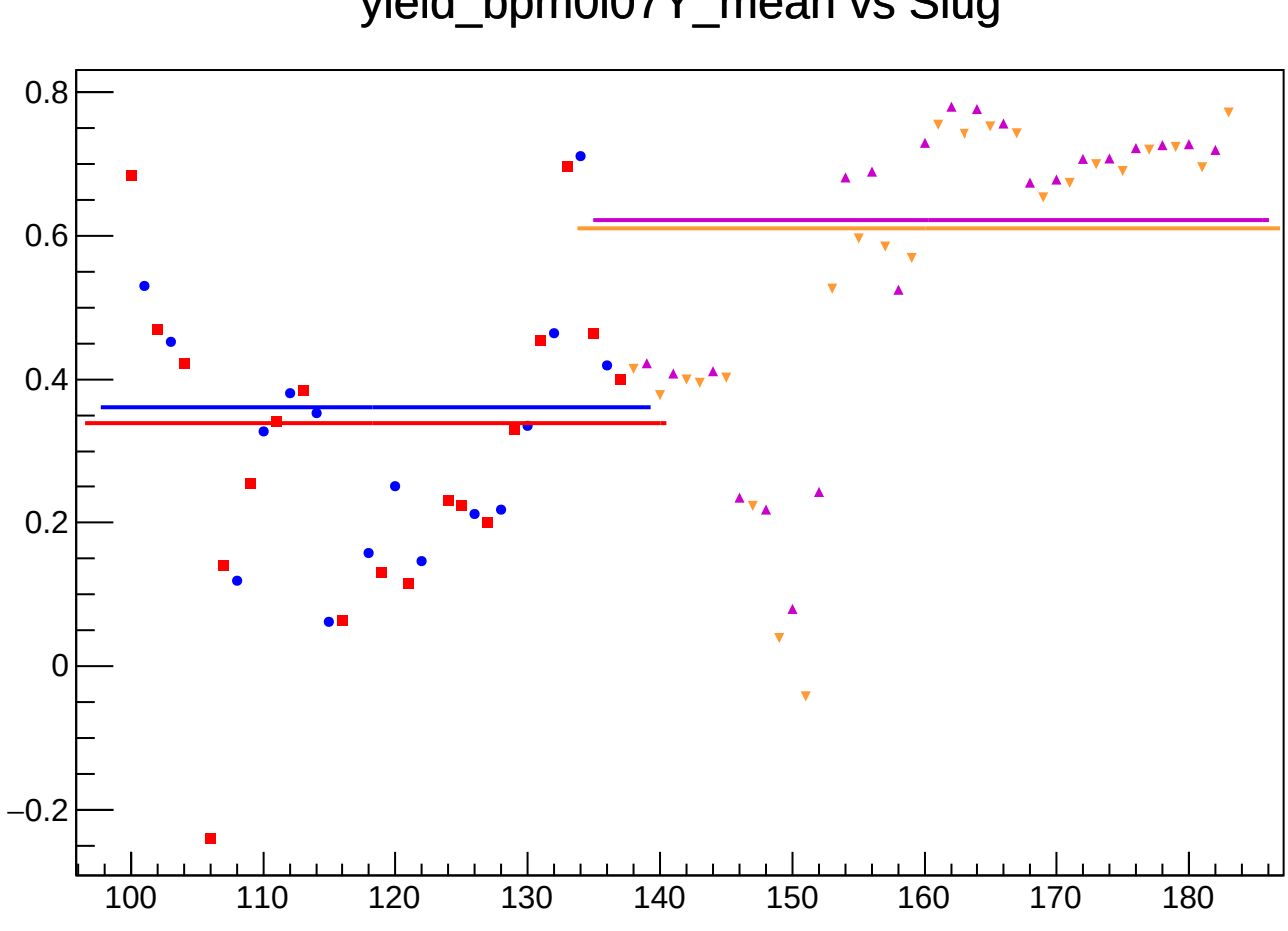
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1748932.1/21

+ sign 0.004+/-0.000 χ^2/NDF: 2999216.5/39

All: 0.004+/-0.000 χ^2/NDF: 5898992.4/80

- sign 0.004+/-0.000 χ^2/NDF: 2897074.3/40



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.610+/-0.000 χ^2/NDF:45437352894.1/23

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

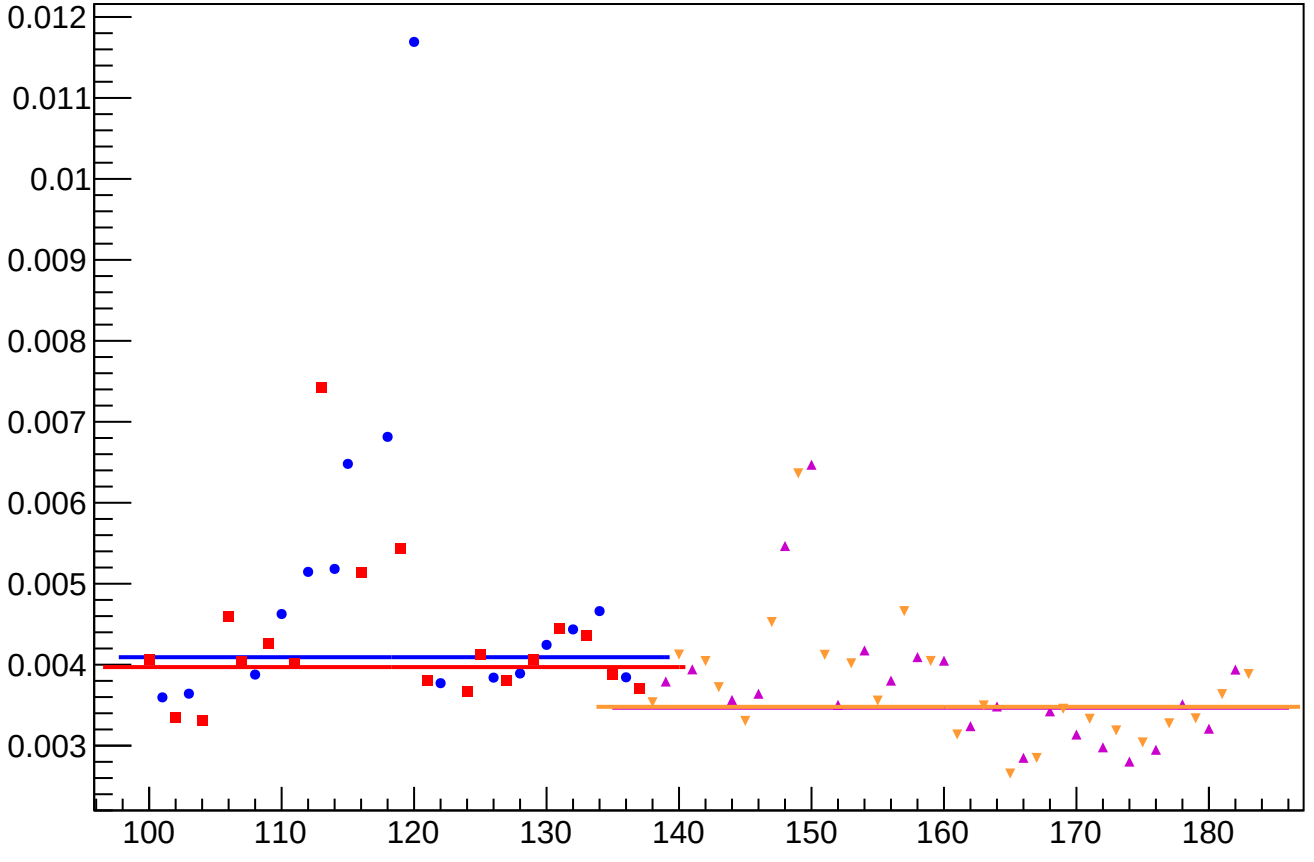
Left In: 0.622+/-0.000 χ^2/NDF:39904420324.5/21

+ sign 0.556+/-0.000 χ^2/NDF: 71925412295.8/39

All: 0.554+/-0.000 χ^2/NDF: 148380748729.3

- sign 0.552+/-0.000 χ^2/NDF: 76444406481.0/40

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:826339.9/23

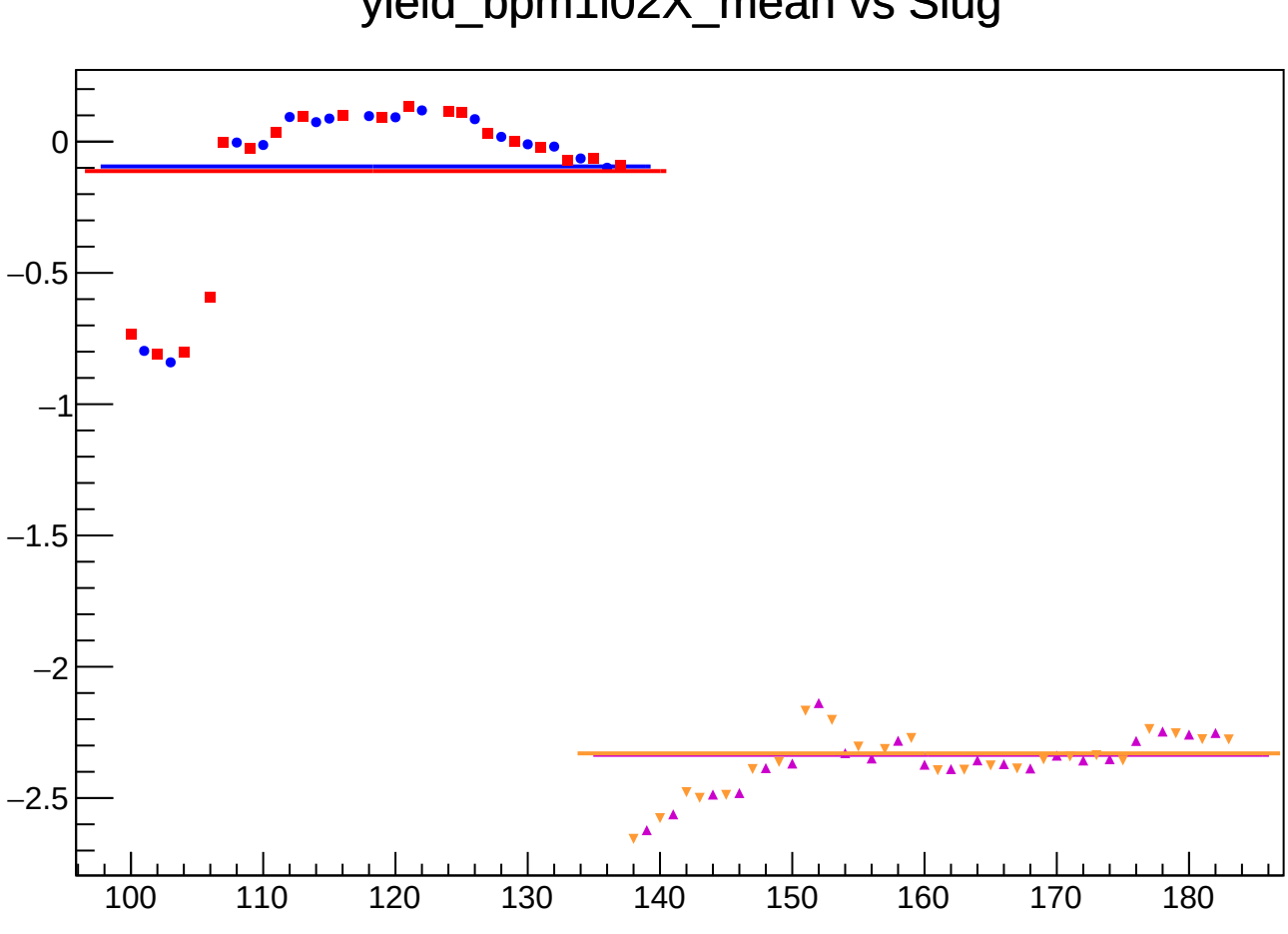
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:893855.9/21

+ sign 0.004+/-0.000 χ^2/NDF: 1532821.6/39

All: 0.004+/-0.000 χ^2/NDF: 2895837.6/80

- sign 0.004+/-0.000 χ^2/NDF: 1362224.3/40



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.330+/-0.000 χ^2/NDF:1979044167.8/23

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

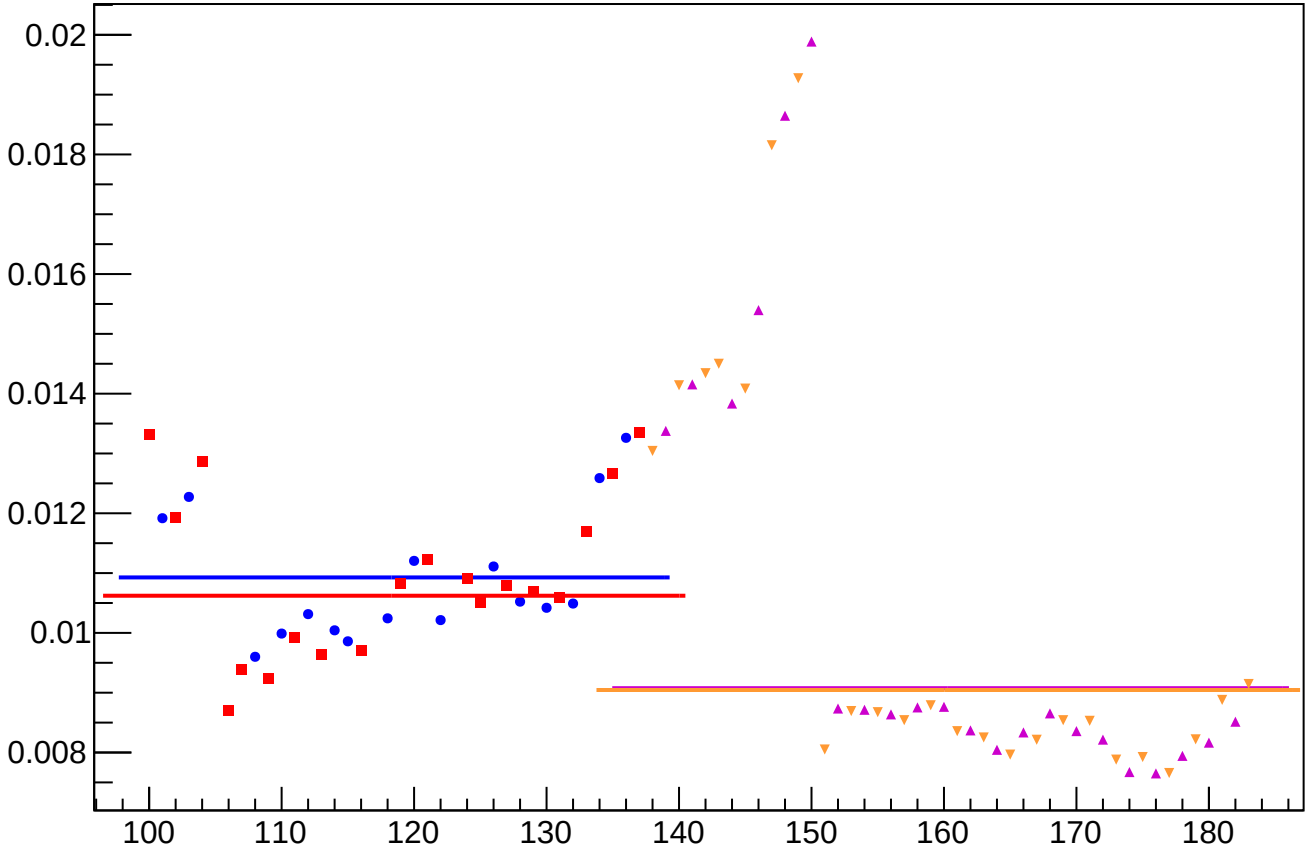
Left In: -2.335+/-0.000 χ^2/NDF:1671361154.1/21

+ sign -1.852+/-0.000 χ^2/NDF: 241712378562.4/39

All: -1.825+/-0.000 χ^2/NDF: 494778910389.6

- sign -1.798+/-0.000 χ^2/NDF: 252665359275.1/40

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:2048638.2/23

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

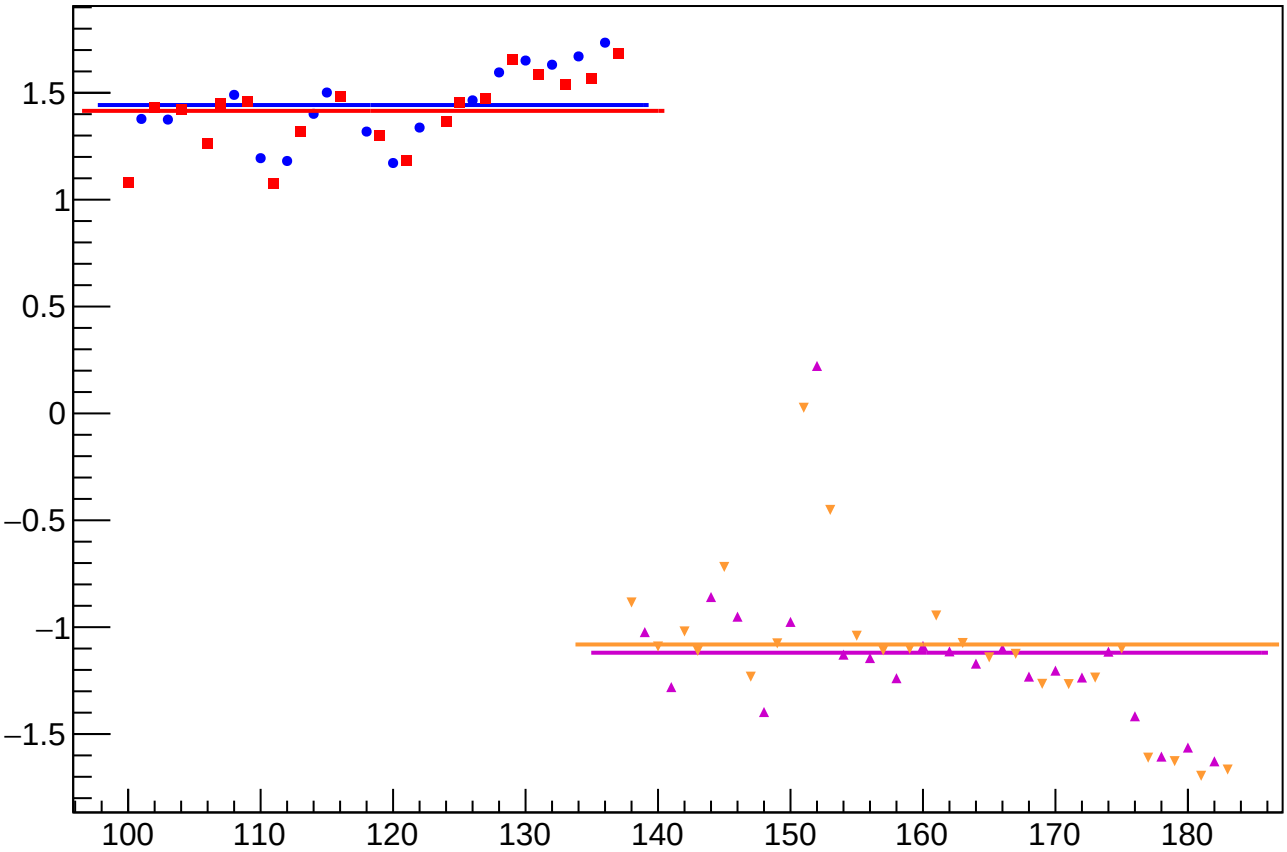
Left In: 0.009+/-0.000 χ^2/NDF:2132924.4/21

+ sign 0.009+/-0.000 χ^2/NDF: 2517332.1/39

All: 0.009+/-0.000 χ^2/NDF: 5077461.5/80

- sign 0.009+/-0.000 χ^2/NDF: 2560128.5/40

yield_bpm1i02Y_mean vs Slug



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.081+/-0.000 χ^2/NDF:59531342901.3/23

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

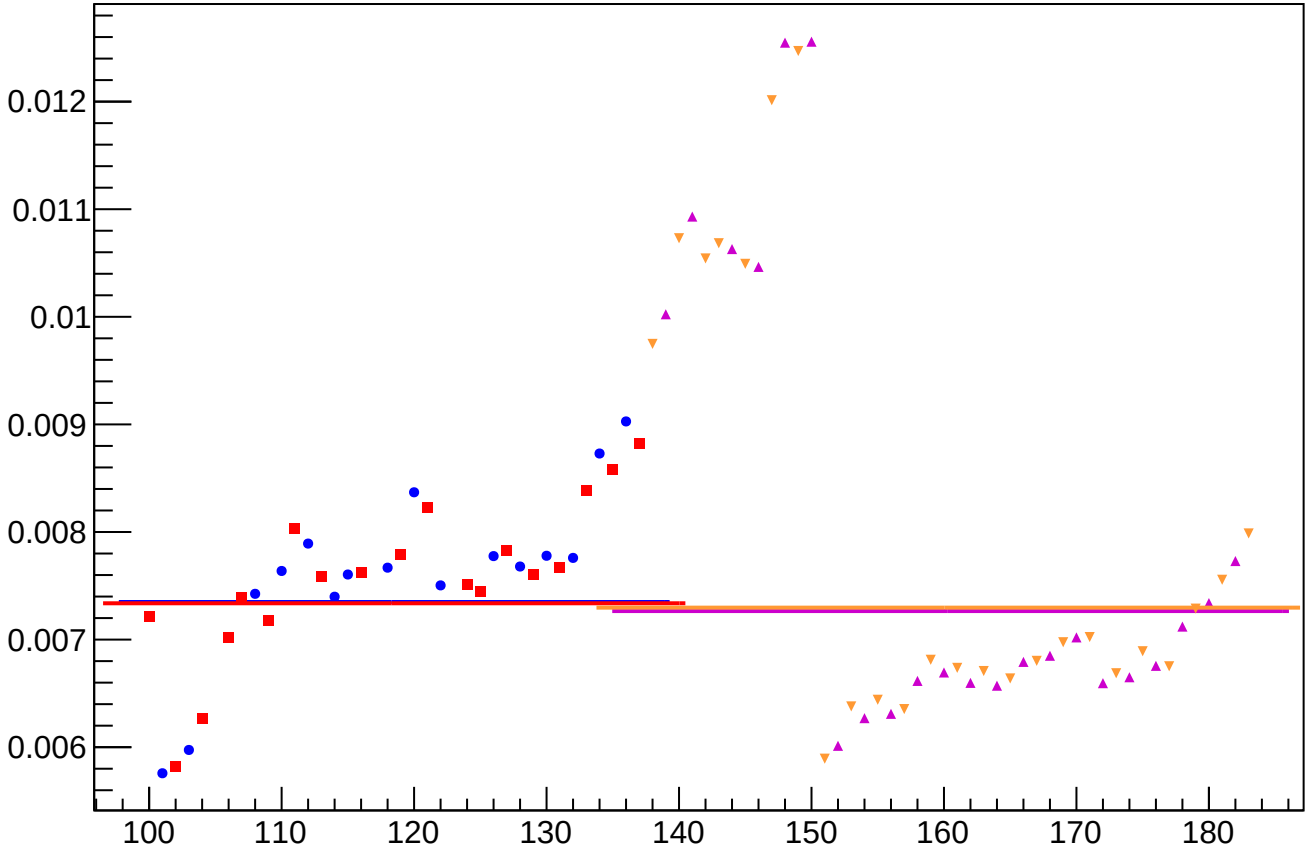
Left In: -1.120+/-0.000 χ^2/NDF:57202062994.7/21

+ sign -0.383+/-0.000 χ^2/NDF: 666018847824.2/39

All: -0.376+/-0.000 χ^2/NDF: 1345375648172

- sign -0.369+/-0.000 χ^2/NDF: 679309552979.9/40

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1501686.1/23

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

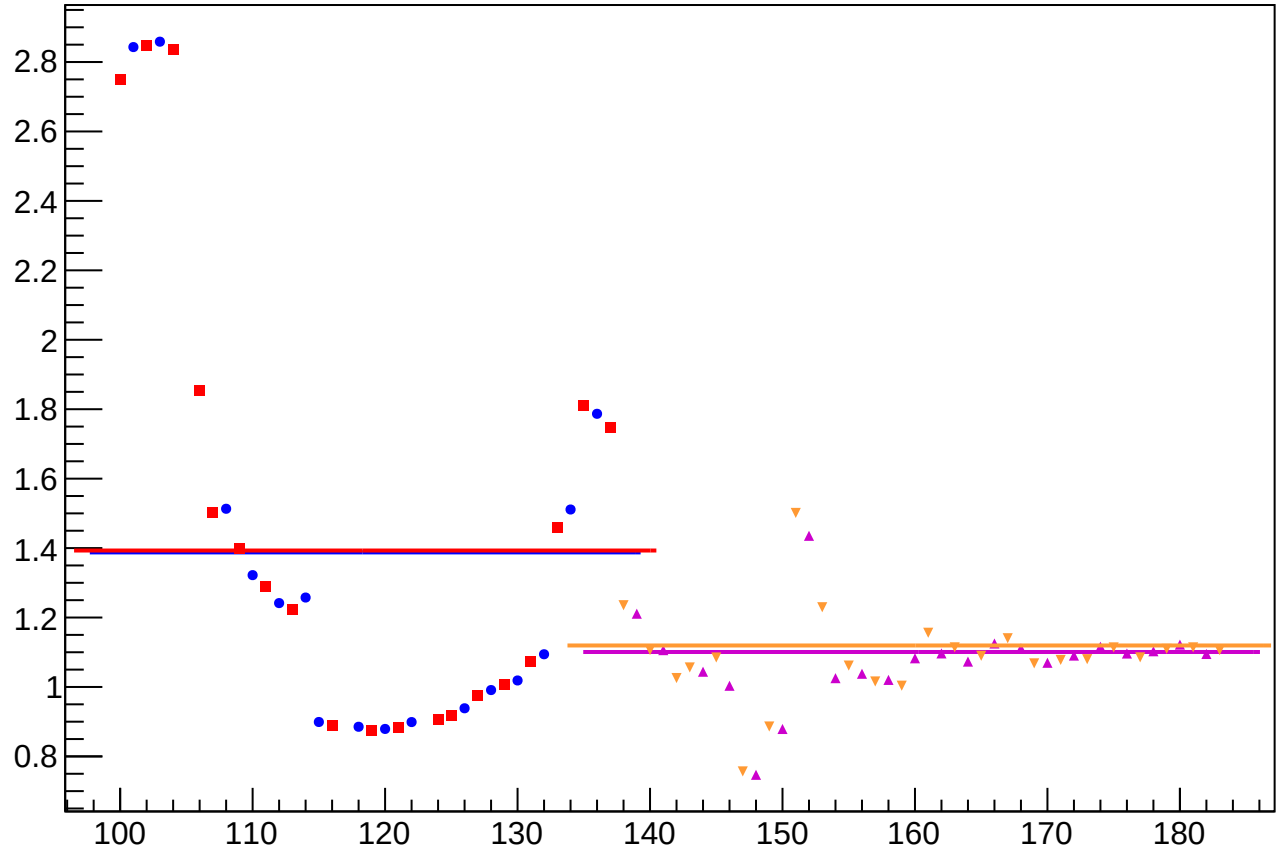
Left In: 0.007+/-0.000 χ^2/NDF:1560044.4/21

+ sign 0.007+/-0.000 χ^2/NDF: 1773068.9/39

All: 0.007+/-0.000 χ^2/NDF: 3529781.8/80

- sign 0.007+/-0.000 χ^2/NDF: 1756424.0/40

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.120+/-0.000 χ^2/NDF:5514534493.7/23

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

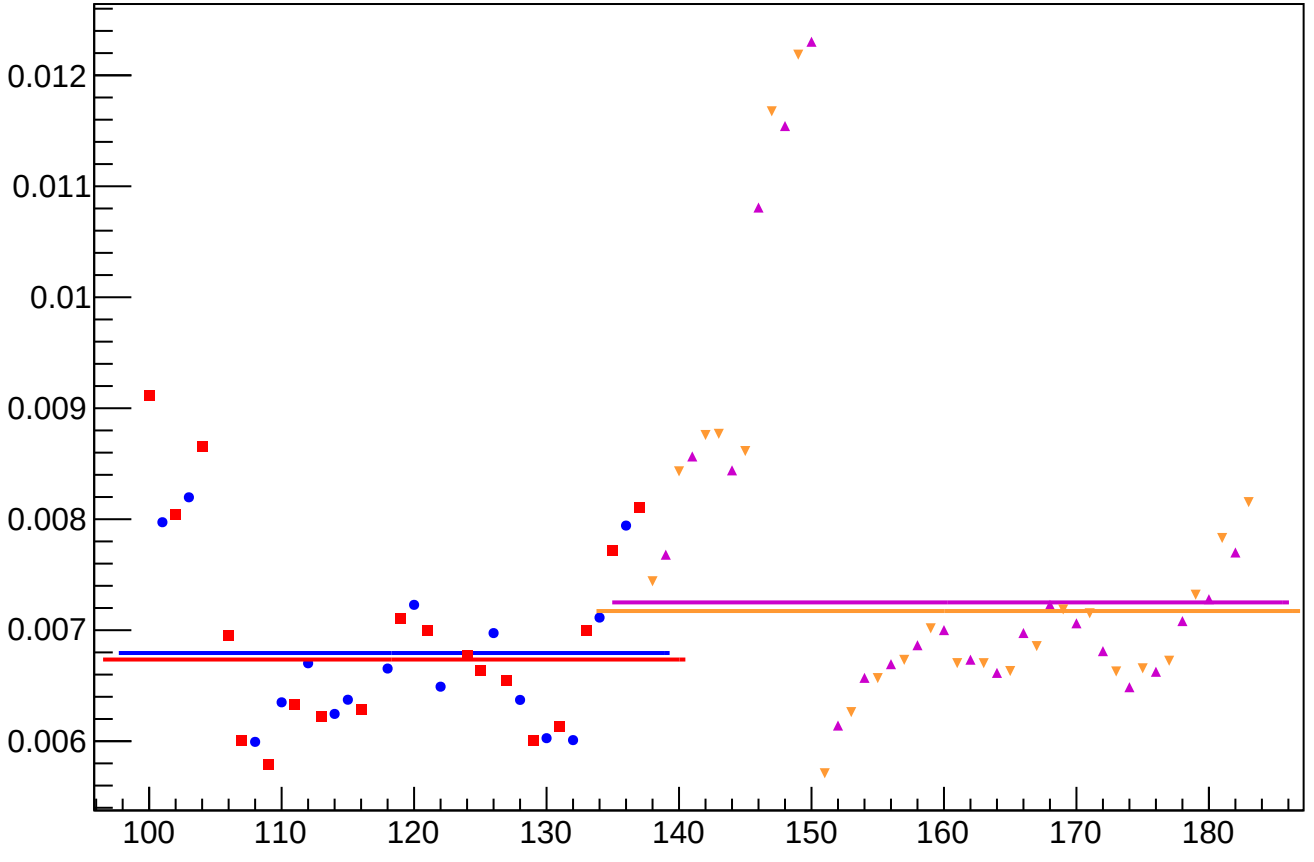
Left In: 1.101+/-0.000 χ^2/NDF:4194278507.0/21

+ sign 1.201+/-0.000 χ^2/NDF: 71830933633.6/39

All: 1.199+/-0.000 χ^2/NDF: 140657456011.6

- sign 1.198+/-0.000 χ^2/NDF: 68823893369.5/40

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:887846.2/23

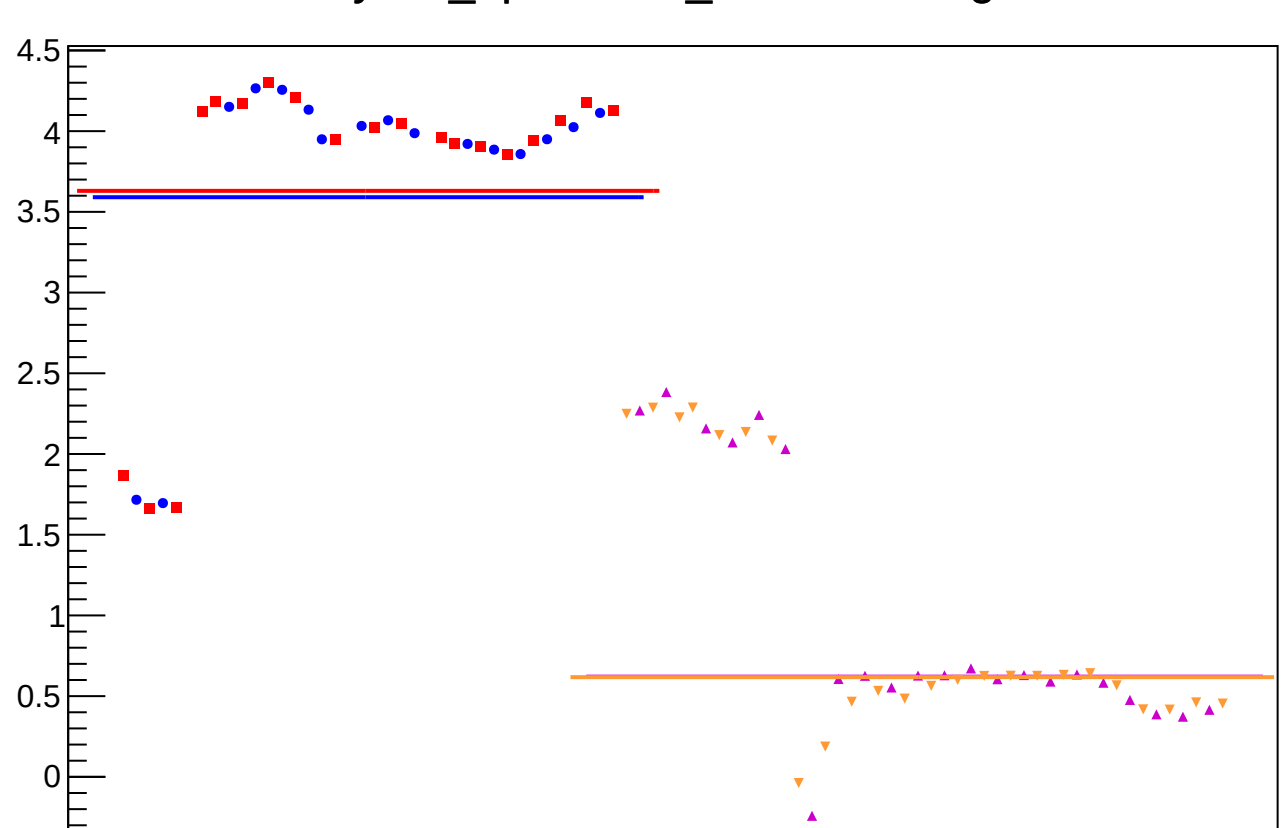
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:915035.5/21

+ sign 0.007+/-0.000 χ^2/NDF: 1083000.3/39

All: 0.007+/-0.000 χ^2/NDF: 2254245.2/80

- sign 0.007+/-0.000 χ^2/NDF: 1171005.5/40



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.618+/-0.000 χ^2/NDF:251760865990.8/23

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

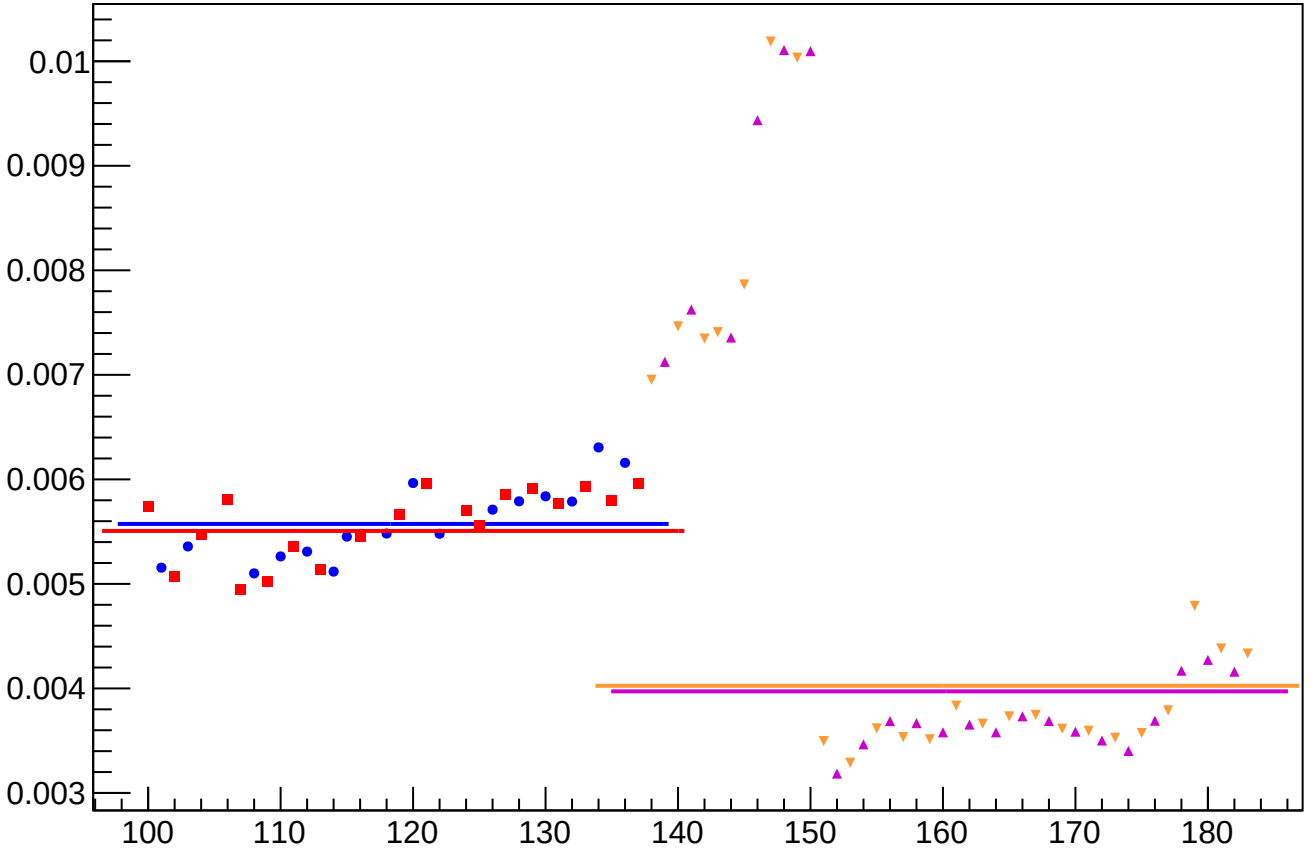
Left In: 0.621+/-0.000 χ^2/NDF:253862434320.2/21

+ sign 1.156+/-0.000 χ^2/NDF: 2123876919679.0/39

All: 1.178+/-0.000 χ^2/NDF: 4352300256097.

- sign 1.200+/-0.000 χ^2/NDF: 2227194258660.5/40

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2962564.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

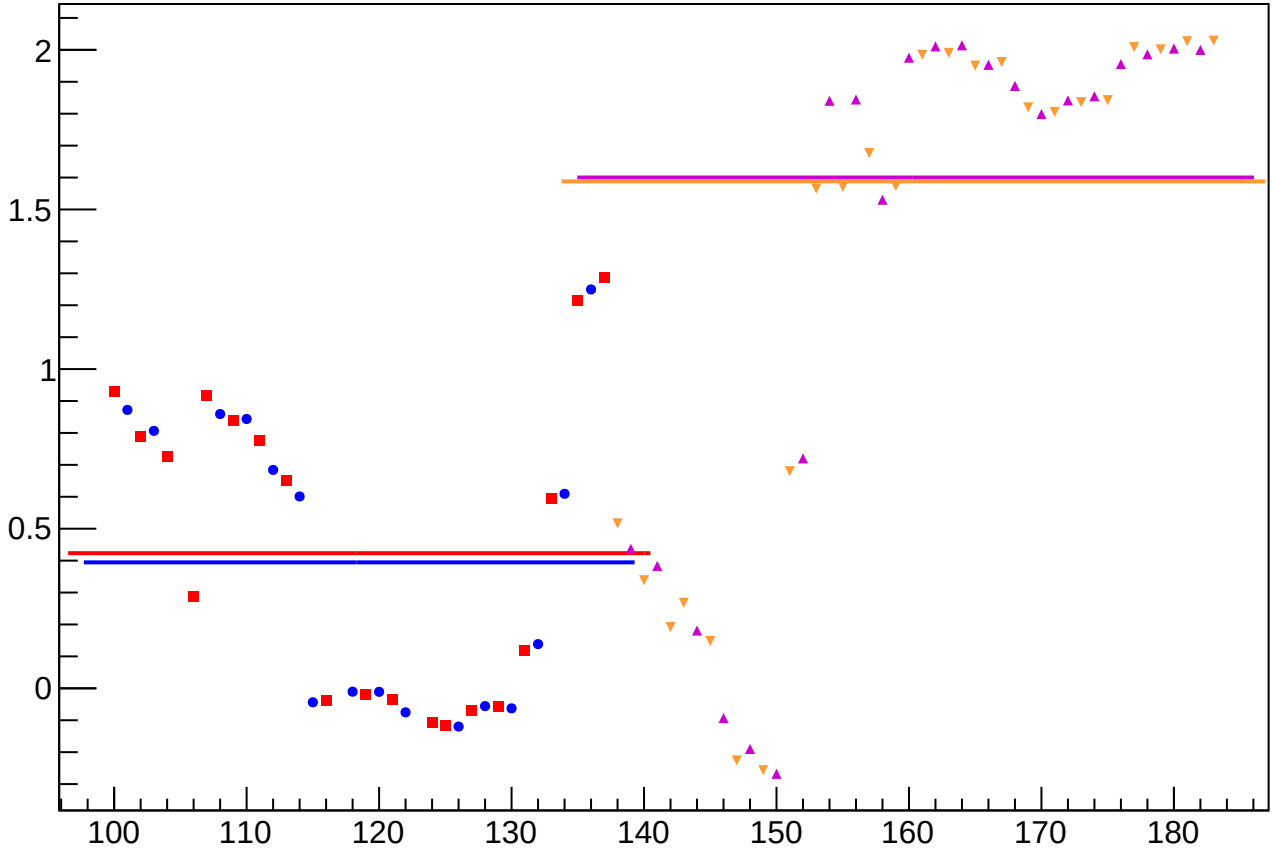
Left In: 0.004+/-0.000 χ^2/NDF:3121459.2/21

+ sign 0.004+/-0.000 χ^2/NDF: 3927428.8/39

All: 0.004+/-0.000 χ^2/NDF: 8024025.8/80

- sign 0.004+/-0.000 χ^2/NDF: 4094750.5/40

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.588+/-0.000 χ^2/NDF:62137307809.1/23

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

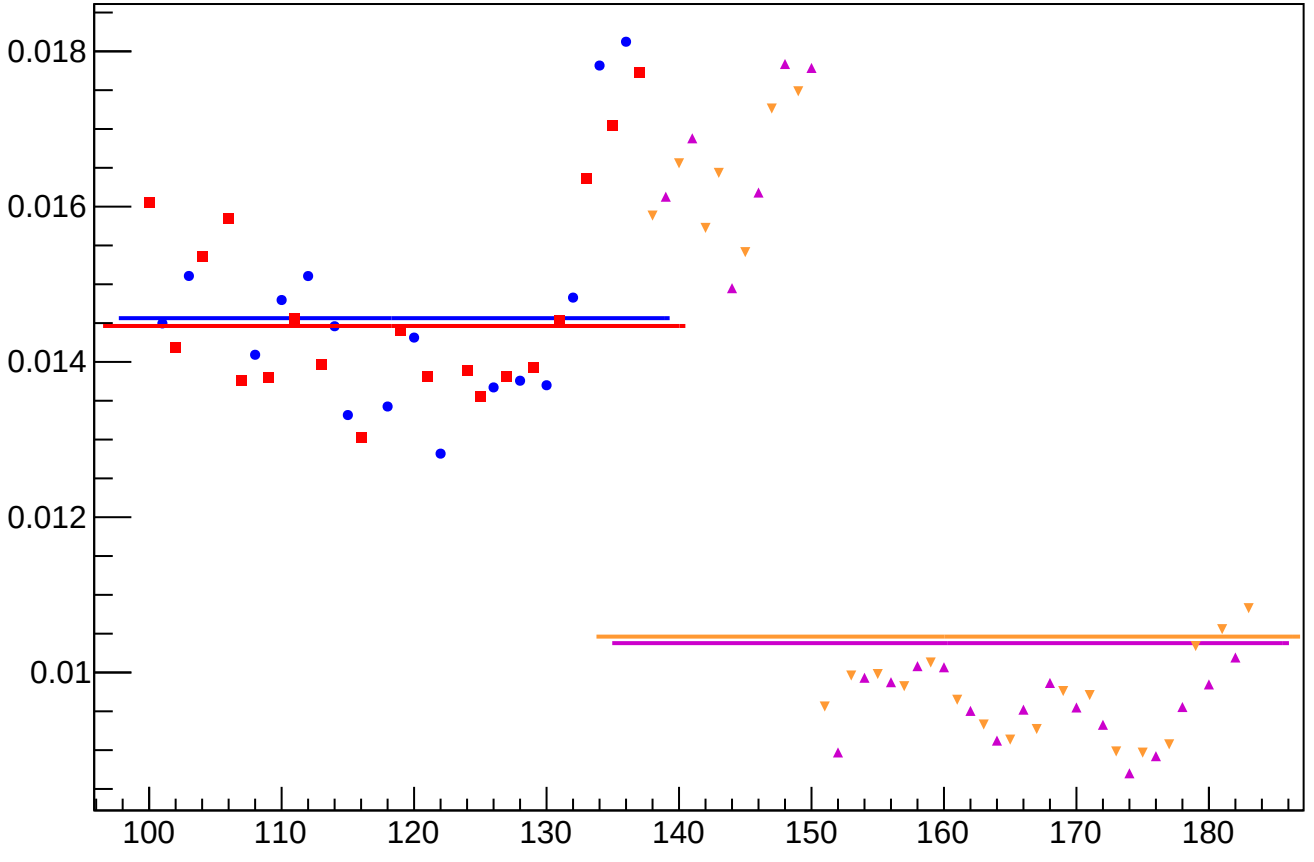
Left In: 1.600+/-0.000 χ^2/NDF:65830093942.1/21

+ sign 1.386+/-0.000 χ^2/NDF: 109149486632.5/39

All: 1.387+/-0.000 χ^2/NDF: 221392601534.5

- sign 1.387+/-0.000 χ^2/NDF: 112243016700.2/40

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1660459.8/23

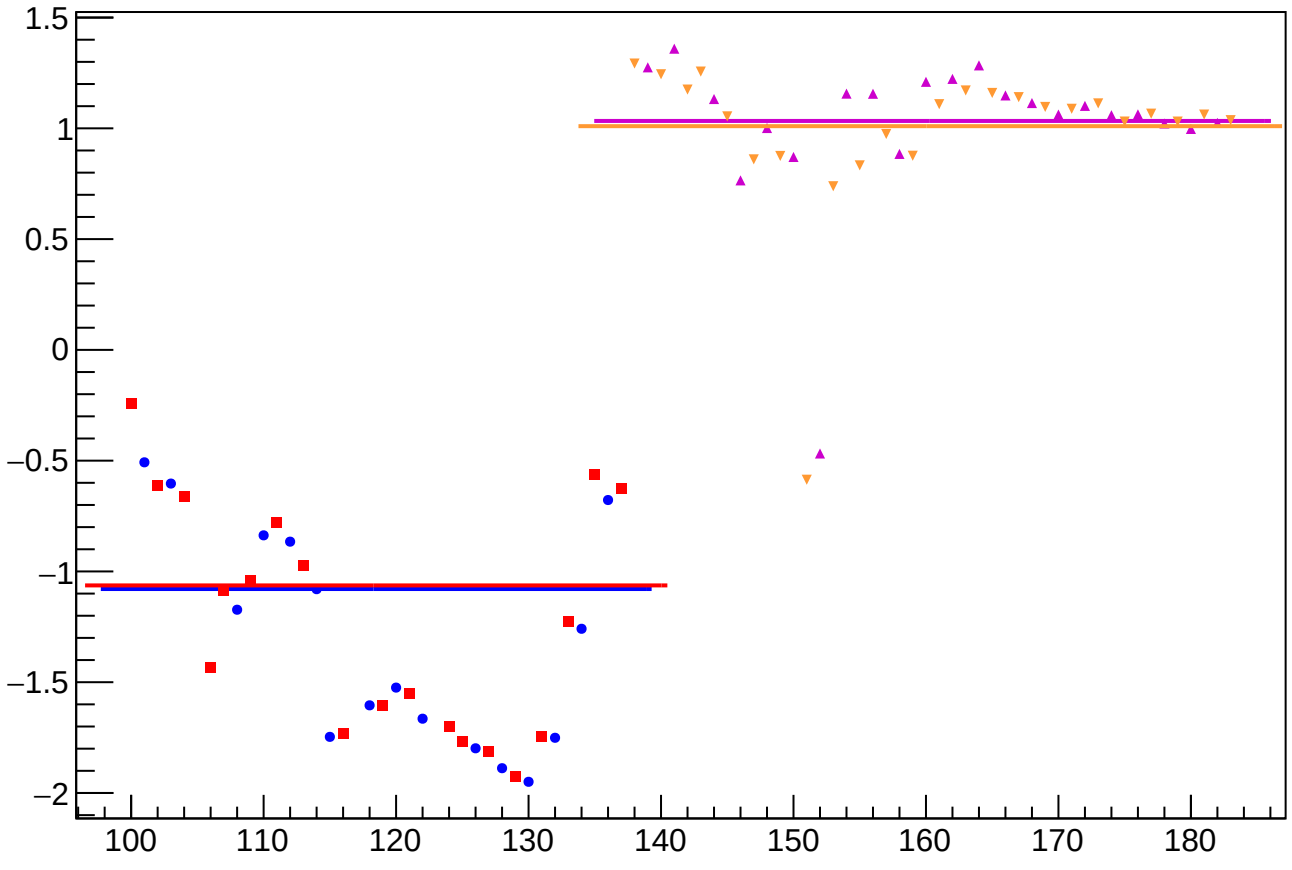
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1710523.2/21

+ sign 0.011+/-0.000 χ^2/NDF: 2729108.6/39

All: 0.011+/-0.000 χ^2/NDF: 5469420.8/80

- sign 0.011+/-0.000 χ^2/NDF: 2740024.0/40



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.010+/-0.000 χ^2/NDF:111086810589.7/23

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

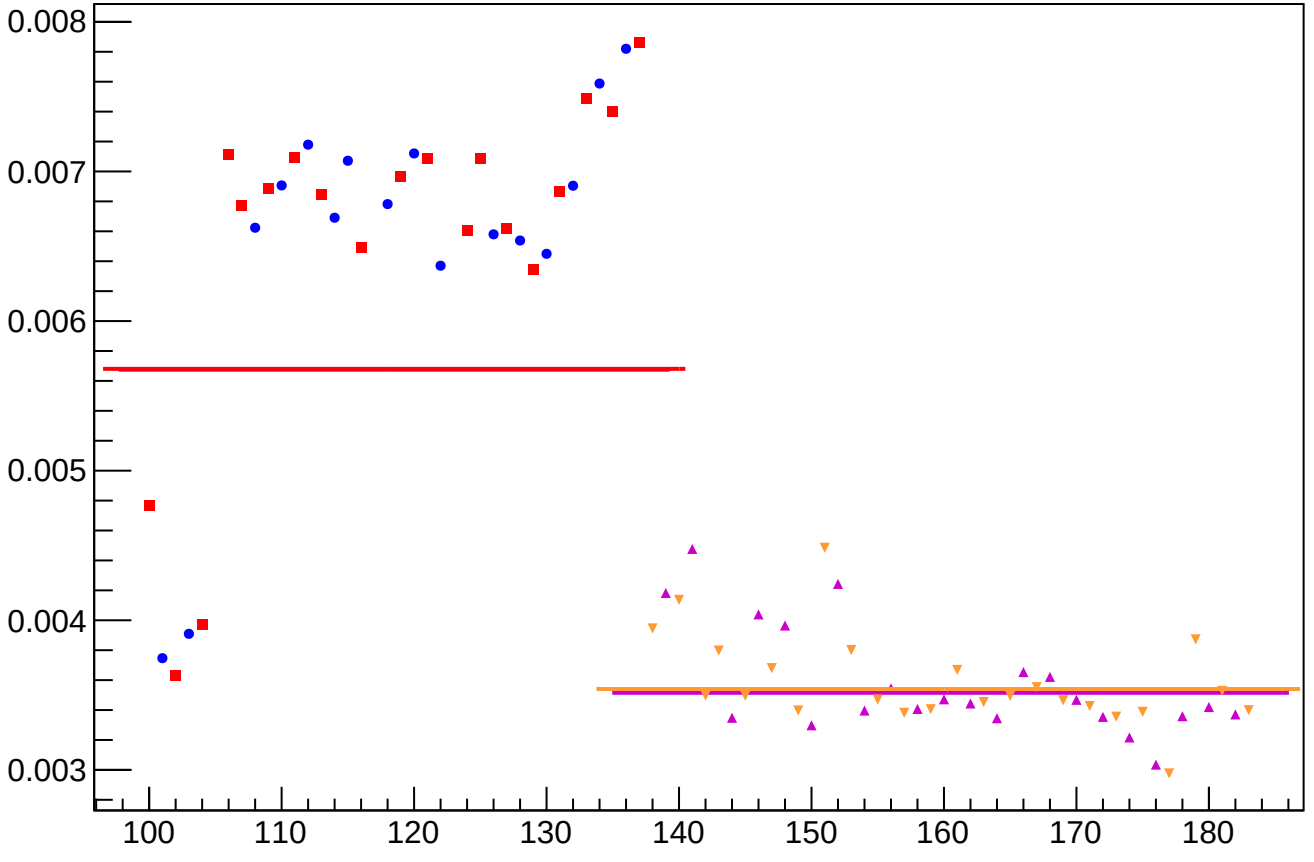
Left In: 1.033+/-0.000 χ^2/NDF:125380181908.0/21

+ sign 0.749+/-0.000 χ^2/NDF: 925592604226.7/39

All: 0.753+/-0.000 χ^2/NDF: 1863603153410.

- sign 0.757+/-0.000 χ^2/NDF: 937950643358.2/40

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:214538.9/23

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

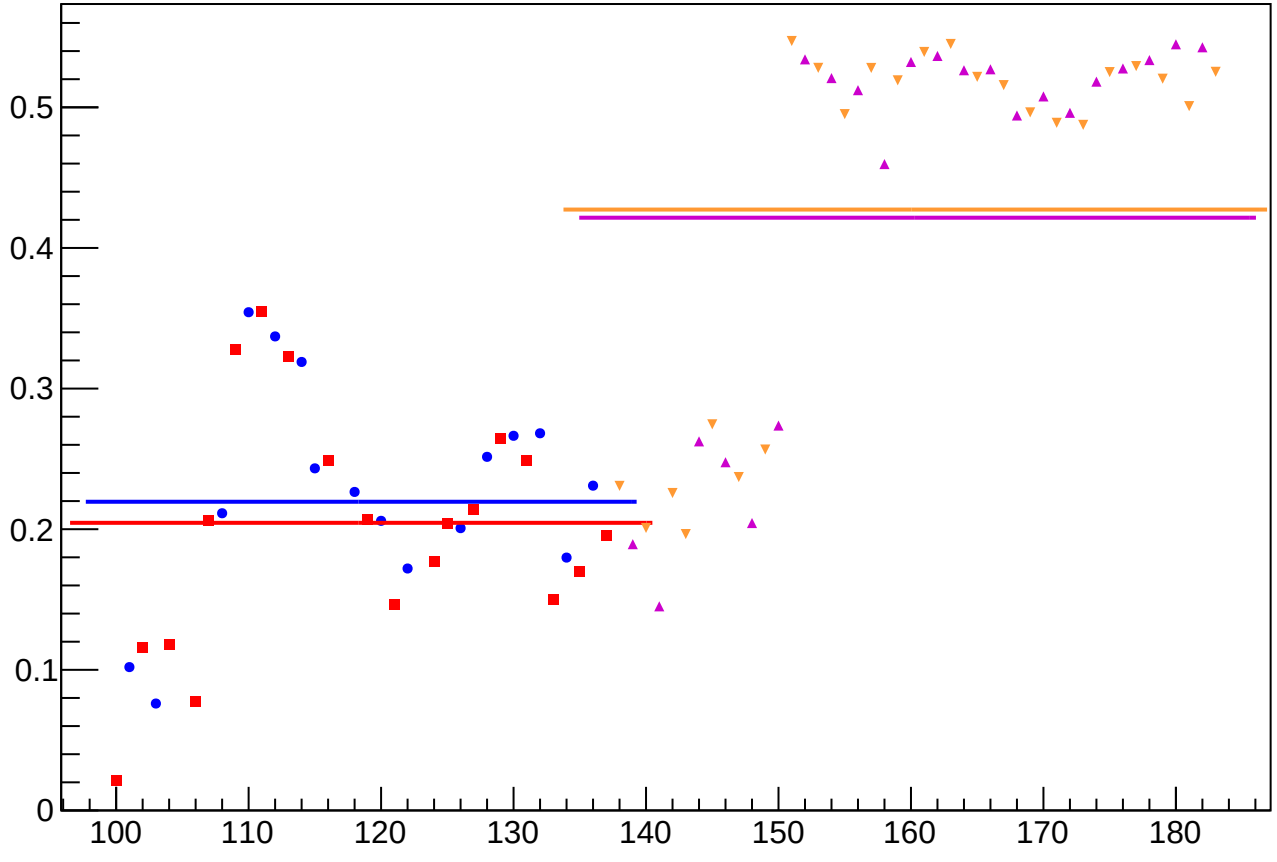
Left In: 0.004+/-0.000 χ^2/NDF:280563.9/21

+ sign 0.004+/-0.000 χ^2/NDF: 2736593.9/39

All: 0.004+/-0.000 χ^2/NDF: 5624850.4/80

- sign 0.004+/-0.000 χ^2/NDF: 2888178.8/40

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.427+/-0.000 χ^2/NDF:153458413976.2/23

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

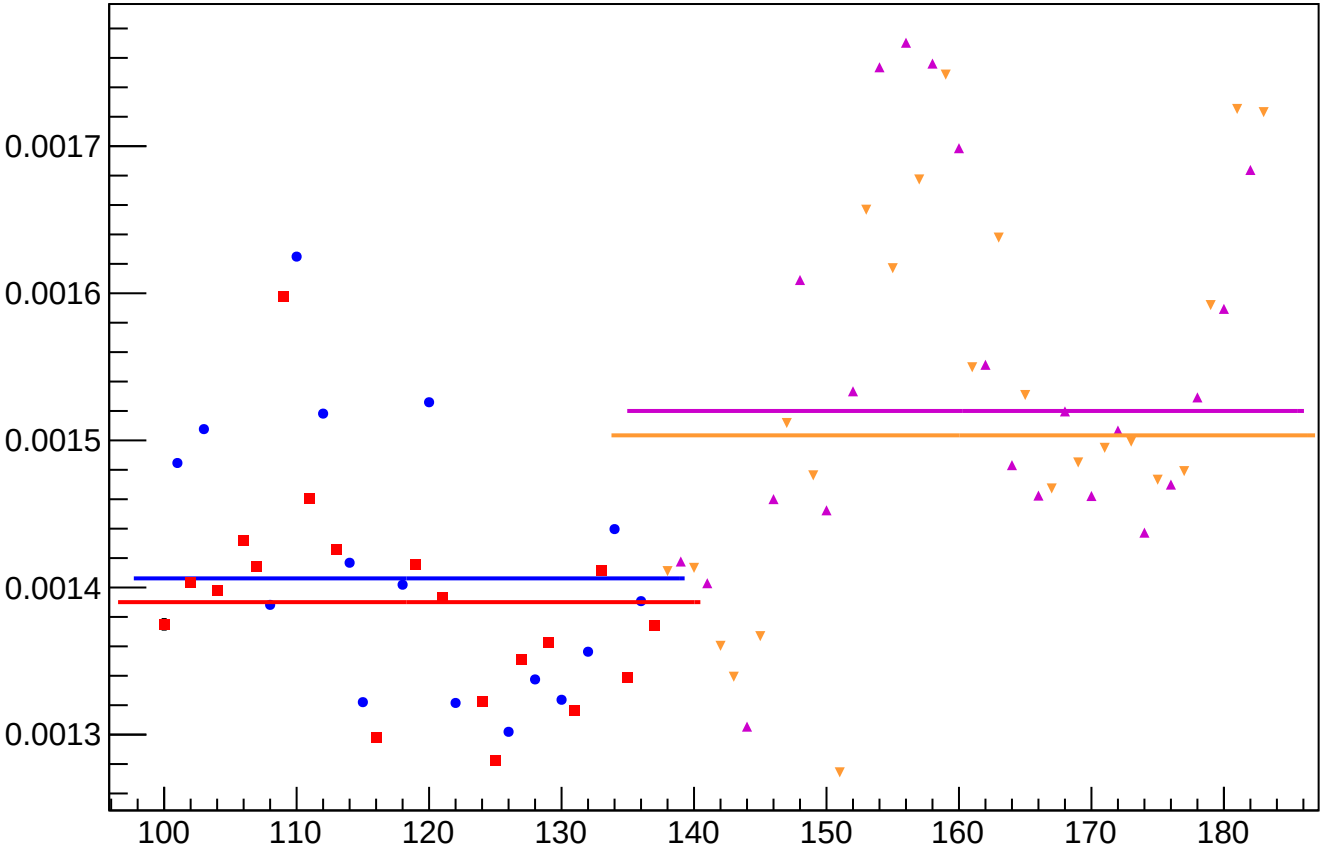
Left In: 0.422+/-0.000 χ^2/NDF:157345852671.7/21

+ sign 0.366+/-0.000 χ^2/NDF: 276724041662.4/39

All: 0.358+/-0.000 χ^2/NDF: 577288440217.8

- sign 0.350+/-0.000 χ^2/NDF: 299063150700.9/40

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:265155.2/23

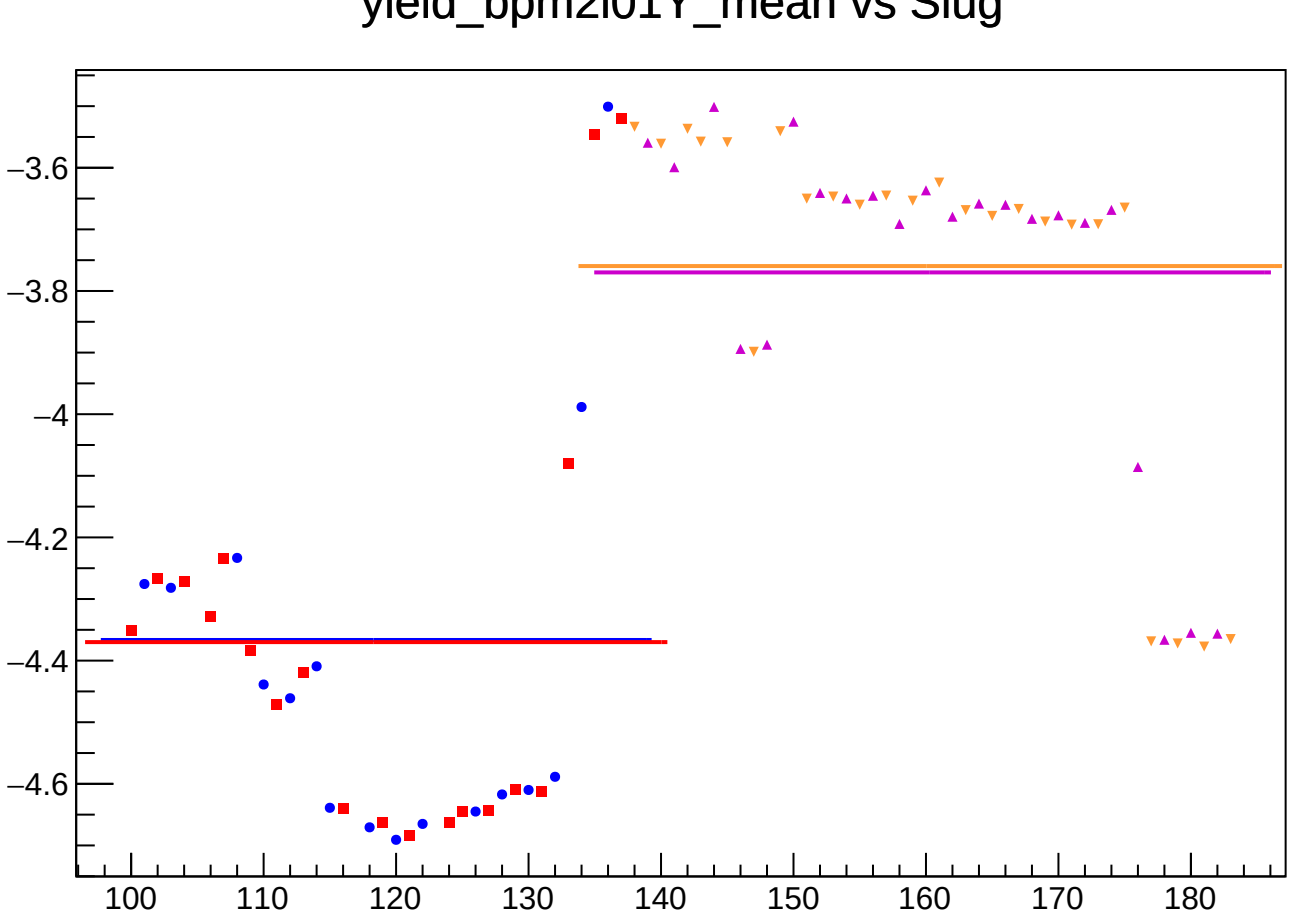
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:224557.8/21

+ sign 0.001+/-0.000 χ^2/NDF: 360010.3/39

All: 0.001+/-0.000 χ^2/NDF: 705081.0/80

- sign 0.001+/-0.000 χ^2/NDF: 345007.1/40



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.760+/-0.000 χ^2/NDF:466268630816.5/23

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

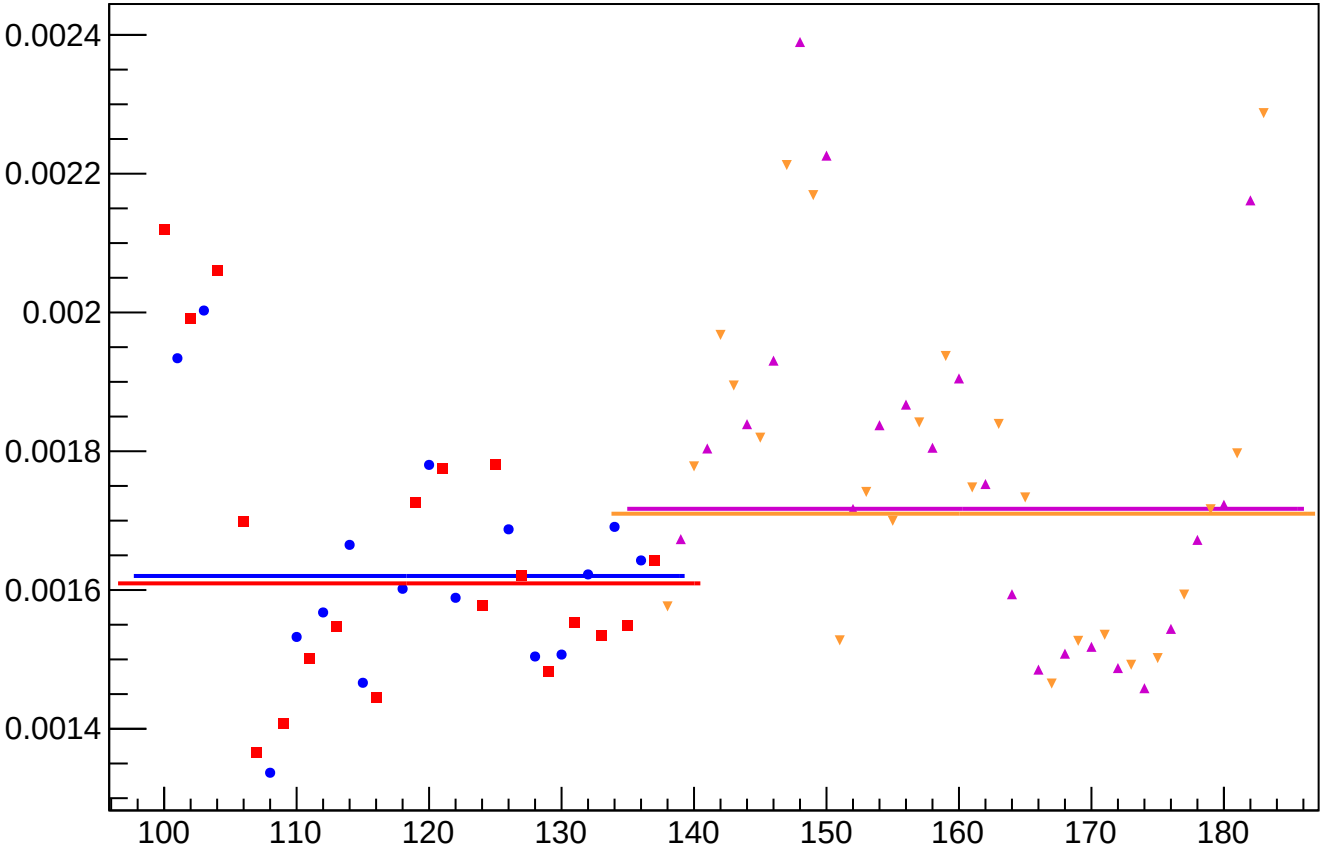
Left In: -3.770+/-0.000 χ^2/NDF:381312018364.5/21

+ sign -3.938+/-0.000 χ^2/NDF: 1499490315950.2/3

All: -3.950+/-0.000 χ^2/NDF: 285304604312

- sign -3.961+/-0.000 χ^2/NDF: 1351294880979.7/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:525935.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

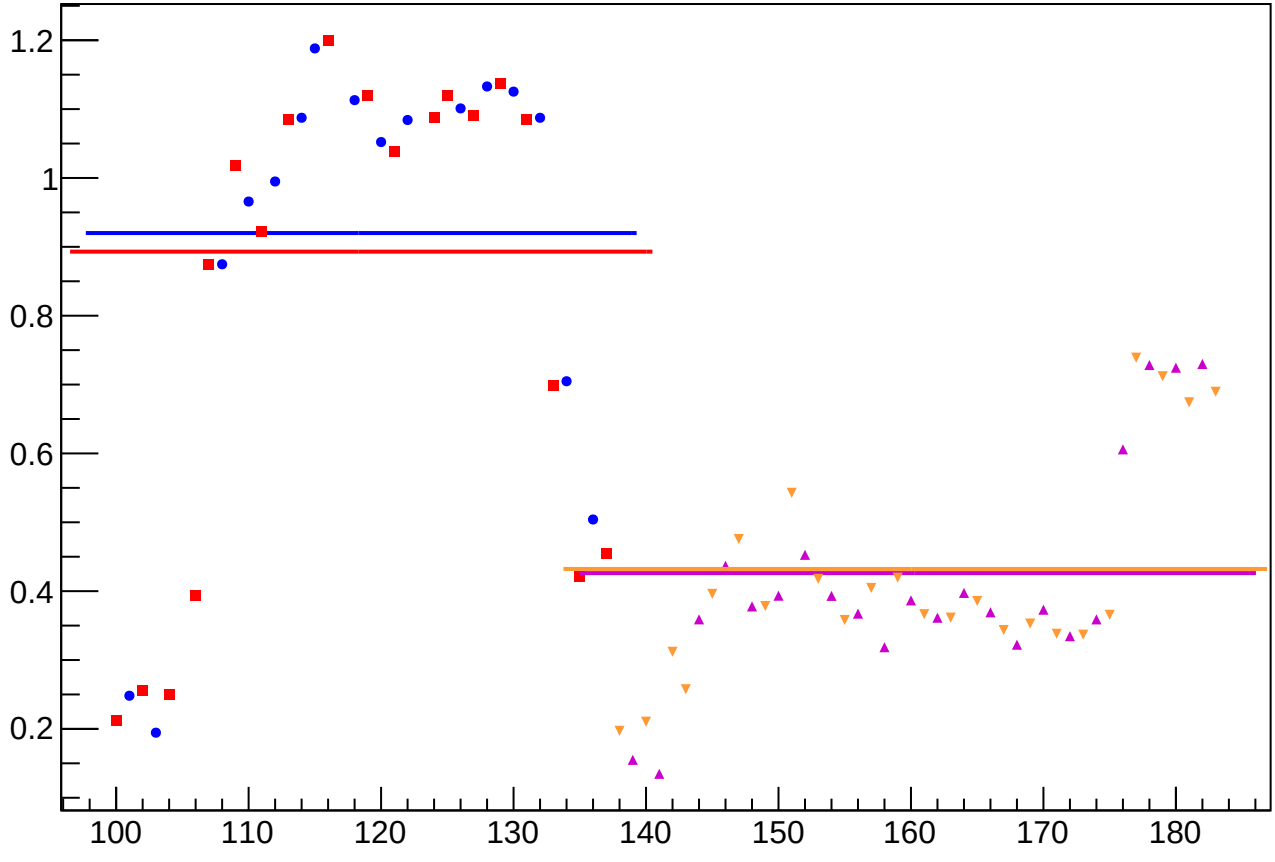
Left In: 0.002+/-0.000 χ^2/NDF:557624.7/21

+ sign 0.002+/-0.000 χ^2/NDF: 695886.6/39

All: 0.002+/-0.000 χ^2/NDF: 1481700.8/80

- sign 0.002+/-0.000 χ^2/NDF: 785809.2/40

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.432+/-0.000 χ^2/NDF:8319860851.1/23

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

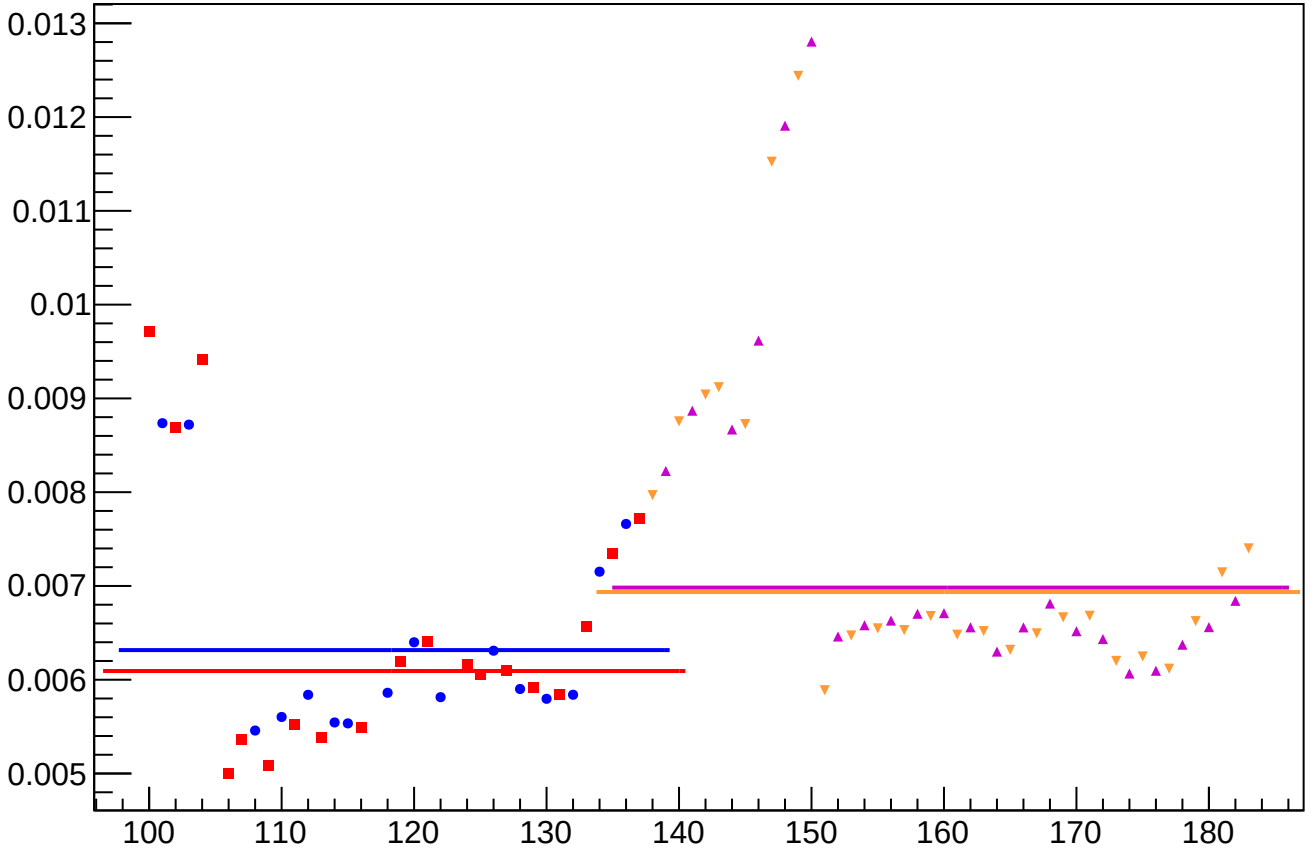
Left In: 0.426+/-0.000 χ^2/NDF:8748129104.2/21

+ sign 0.586+/-0.000 χ^2/NDF: 51553549183.0/39

All: 0.589+/-0.000 χ^2/NDF: 105448833516.8

- sign 0.592+/-0.000 χ^2/NDF: 53885579920.1/40

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1088214.5/23

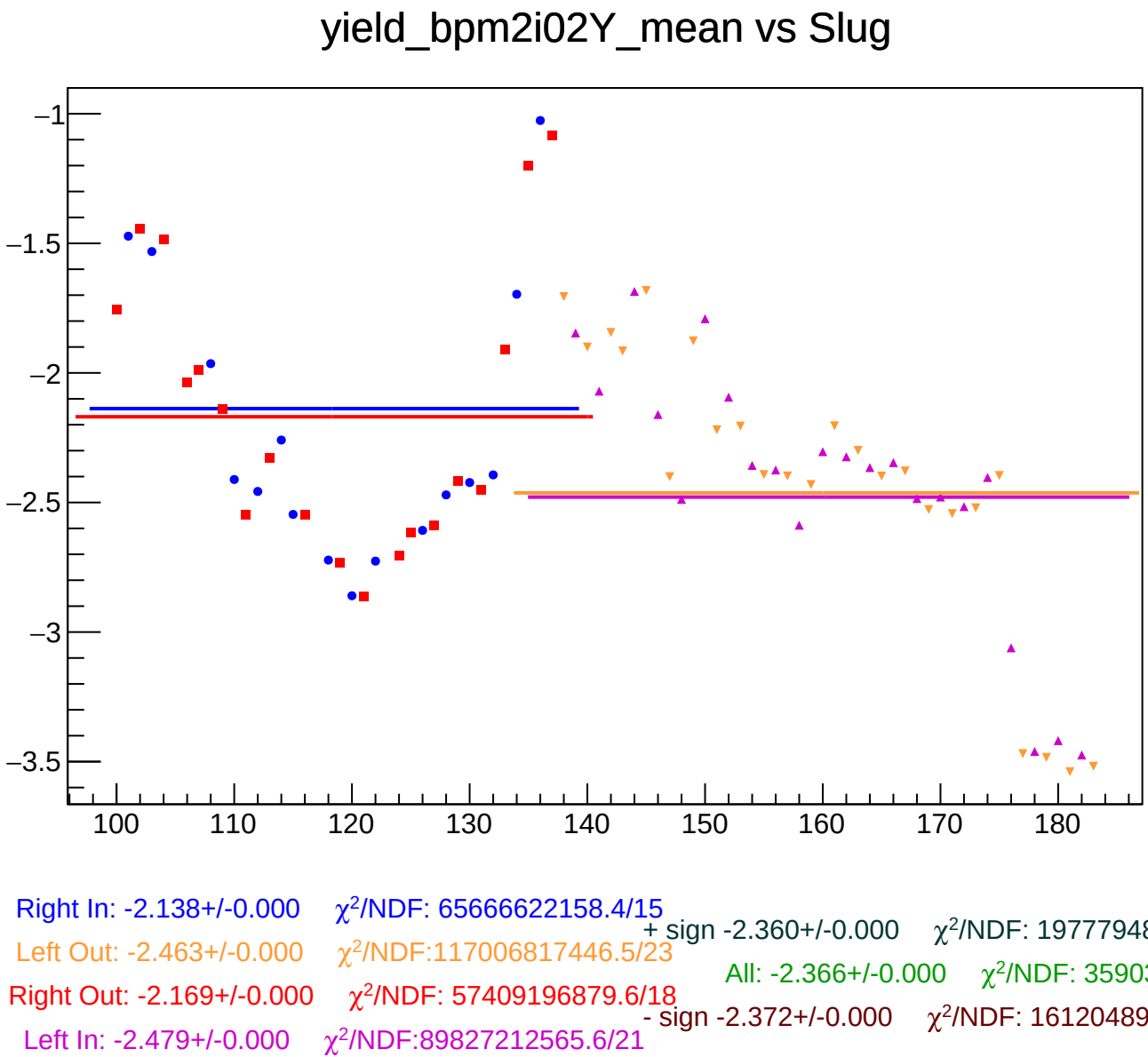
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1136459.4/21

+ sign 0.007+/-0.000 χ^2/NDF: 1516333.3/39

All: 0.007+/-0.000 χ^2/NDF: 3291310.6/80

- sign 0.007+/-0.000 χ^2/NDF: 1772017.7/40



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.463+/-0.000 χ^2/NDF:117006817446.5/23

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

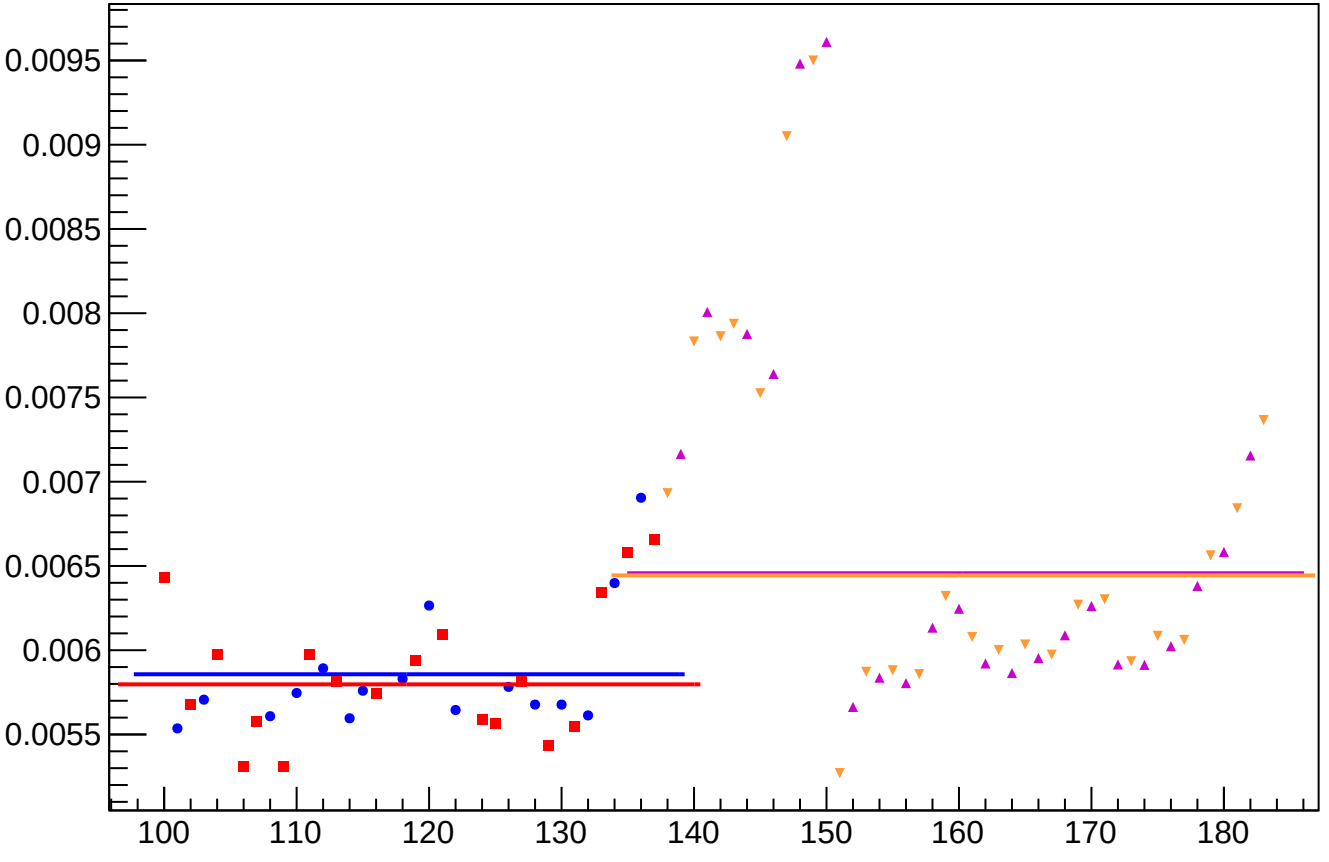
Left In: -2.479+/-0.000 χ^2/NDF:89827212565.6/21

+ sign -2.360+/-0.000 χ^2/NDF: 197779486119.1/39

All: -2.366+/-0.000 χ^2/NDF: 359038554486.9

- sign -2.372+/-0.000 χ^2/NDF: 161204894900.2/40

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:707231.9/23

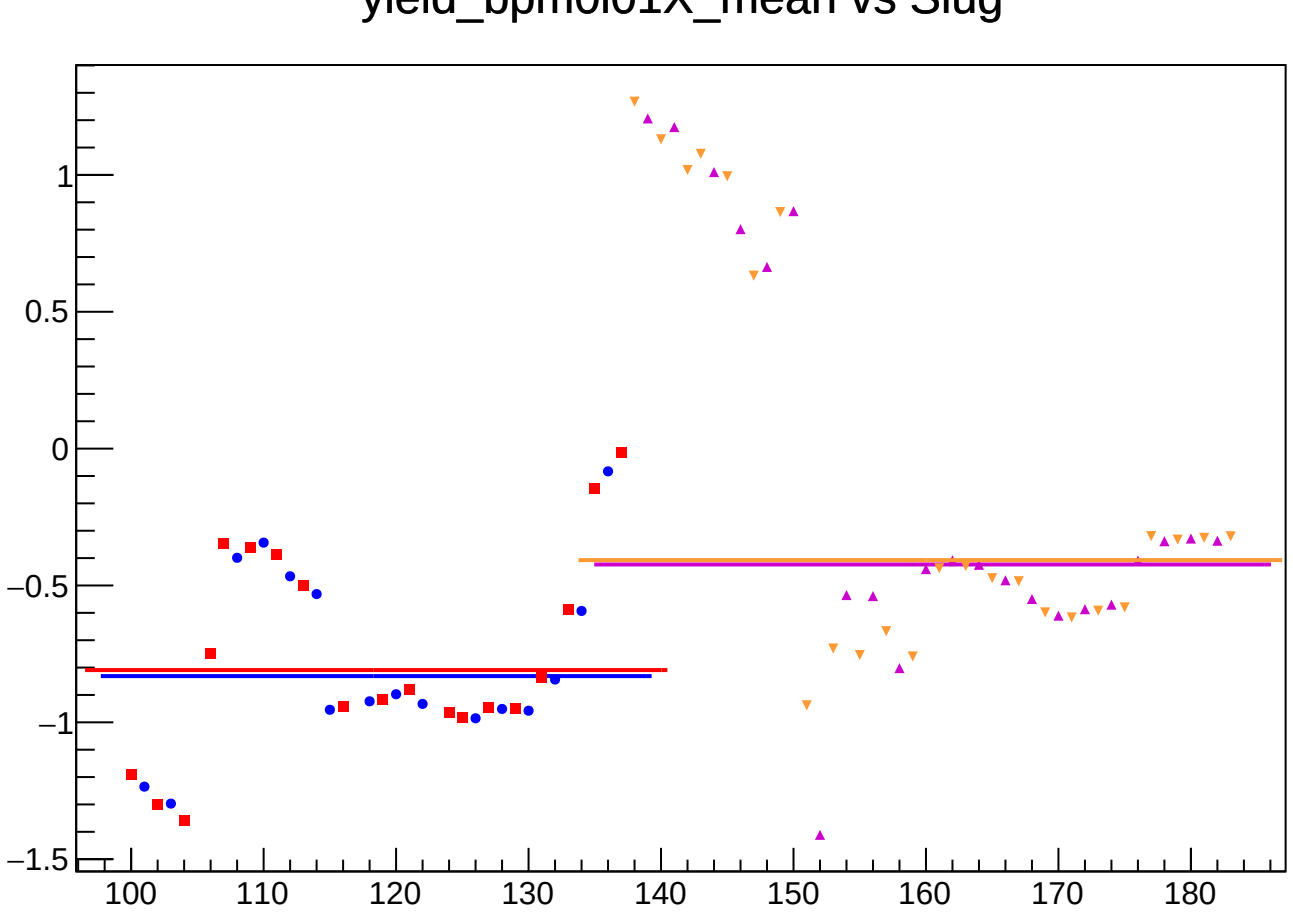
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:719340.9/21

+ sign 0.006+/-0.000 χ^2/NDF: 867578.6/39

All: 0.006+/-0.000 χ^2/NDF: 1770255.5/80

- sign 0.006+/-0.000 χ^2/NDF: 902180.0/40



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.407+/-0.000 χ^2/NDF:81581009041.0/23

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

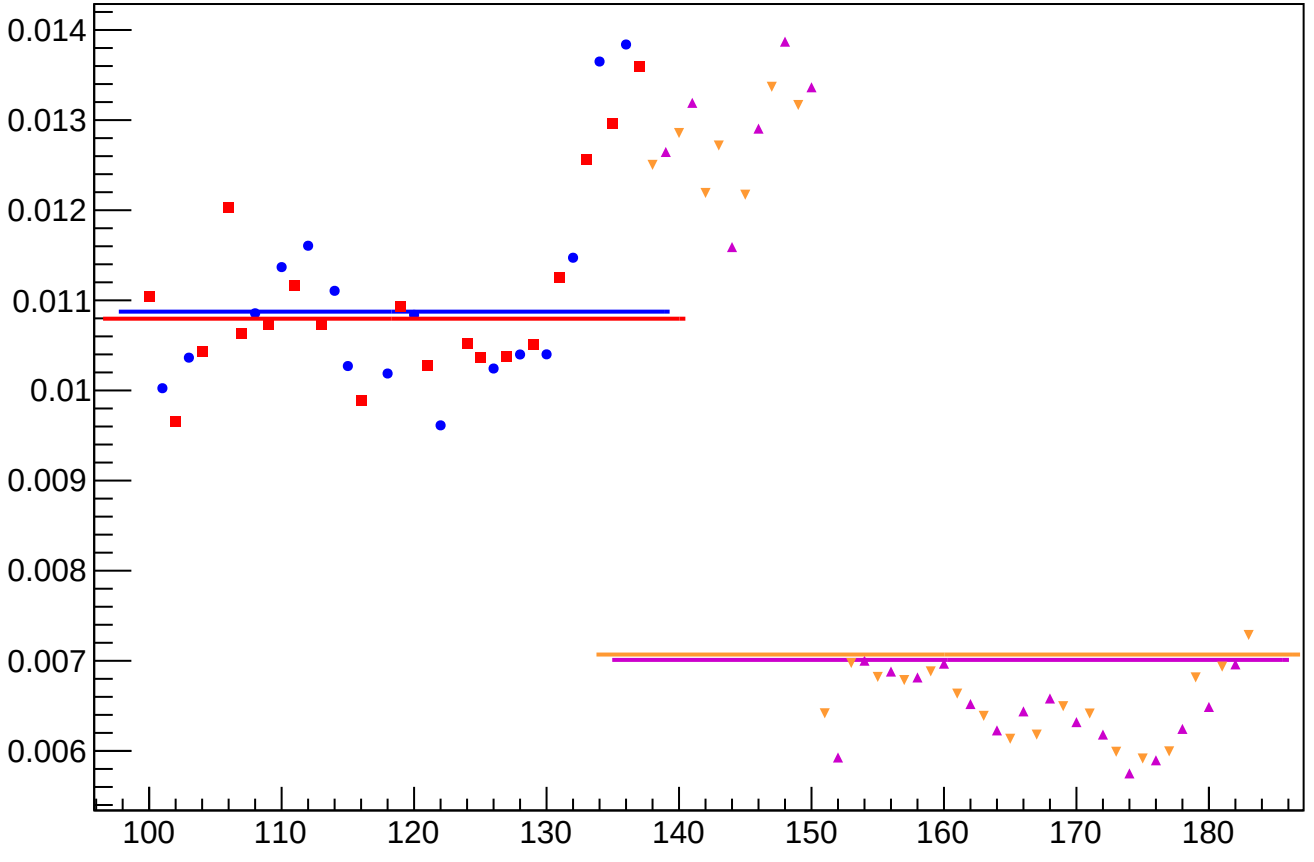
Left In: -0.423+/-0.000 χ^2/NDF:90158340577.5/21

+ sign -0.469+/-0.000 χ^2/NDF: 97824322767.2/39

All: -0.476+/-0.000 χ^2/NDF: 203961914622.

- sign -0.483+/-0.000 χ^2/NDF: 106094561775.2/40

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2383800.1/23

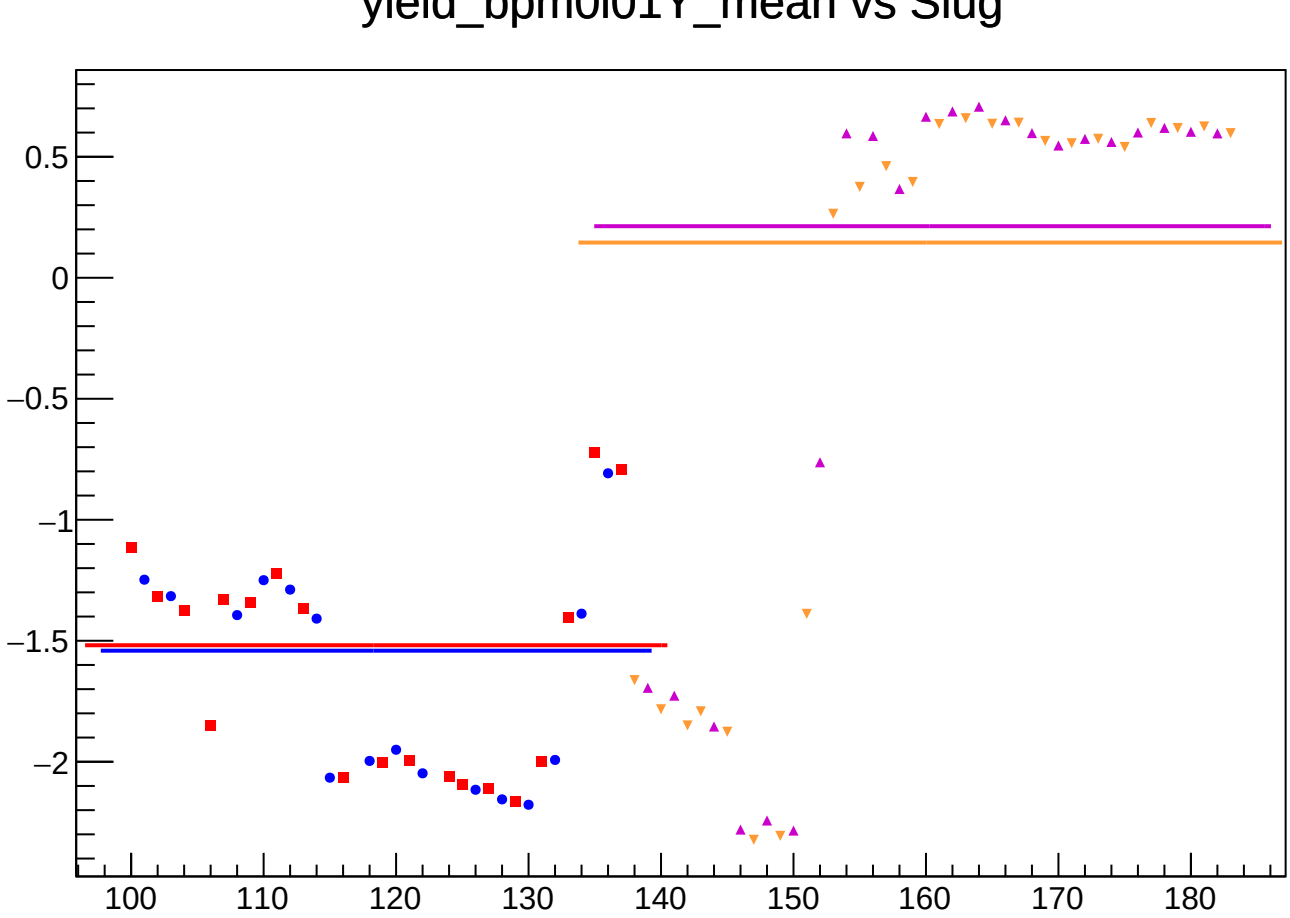
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2456317.9/21

+ sign 0.008+/-0.000 χ^2/NDF: 4014306.8/39

All: 0.008+/-0.000 χ^2/NDF: 8070432.3/80

- sign 0.008+/-0.000 χ^2/NDF: 4055950.3/40



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.146+/-0.000 χ^2/NDF:2389495244512.3/23

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

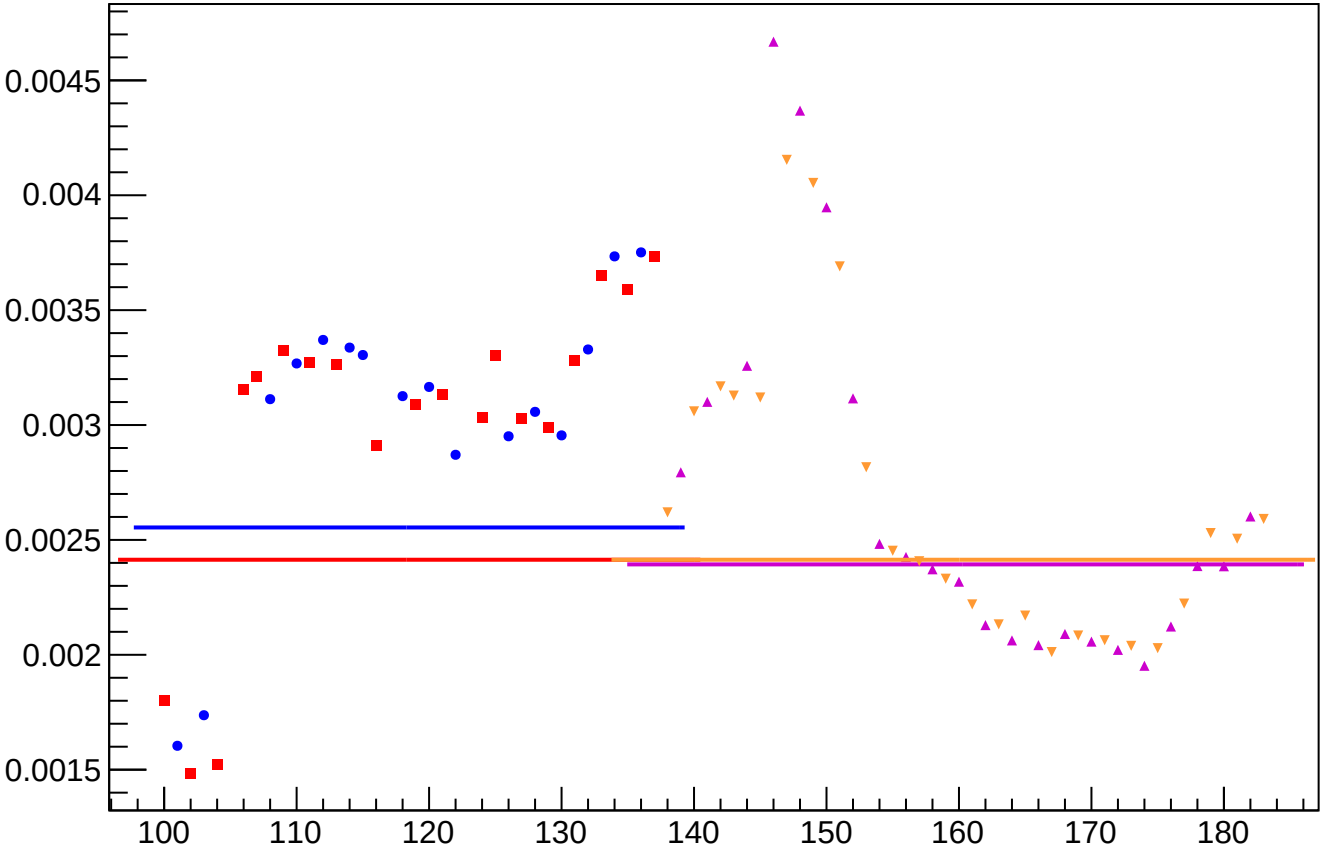
Left In: 0.213+/-0.000 χ^2/NDF:2114213401408.3/21

+ sign -0.265+/-0.000 χ^2/NDF: 4550414078973.8/3

All: -0.260+/-0.000 χ^2/NDF: 9033936932152

- sign -0.256+/-0.000 χ^2/NDF: 4483361046805.9/40

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1219518.4/23

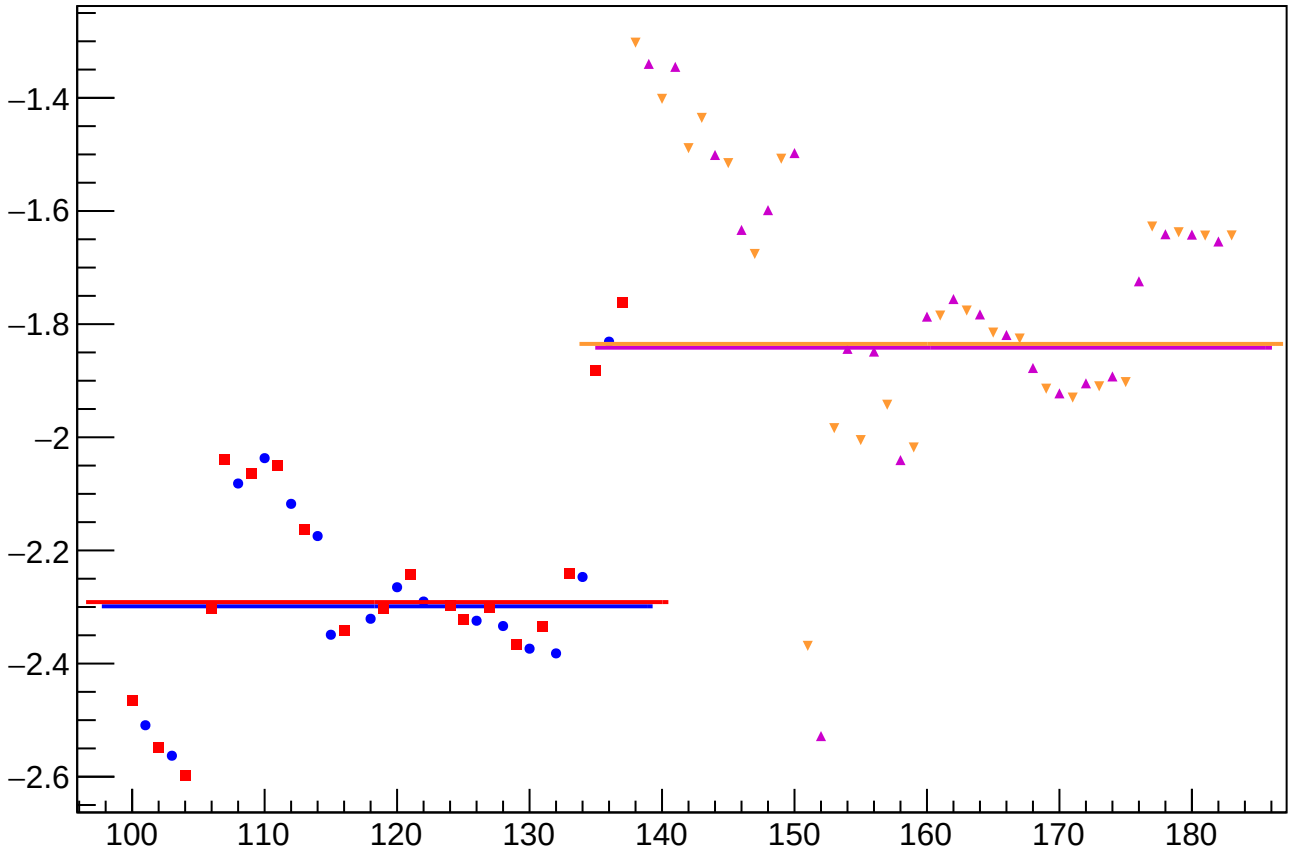
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1409483.2/21

+ sign 0.002+/-0.000 χ^2/NDF: 2419685.7/39

All: 0.002+/-0.000 χ^2/NDF: 5385677.7/80

- sign 0.002+/-0.000 χ^2/NDF: 2956922.0/40



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.835+/-0.000 χ^2/NDF:37773977271.9/23

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

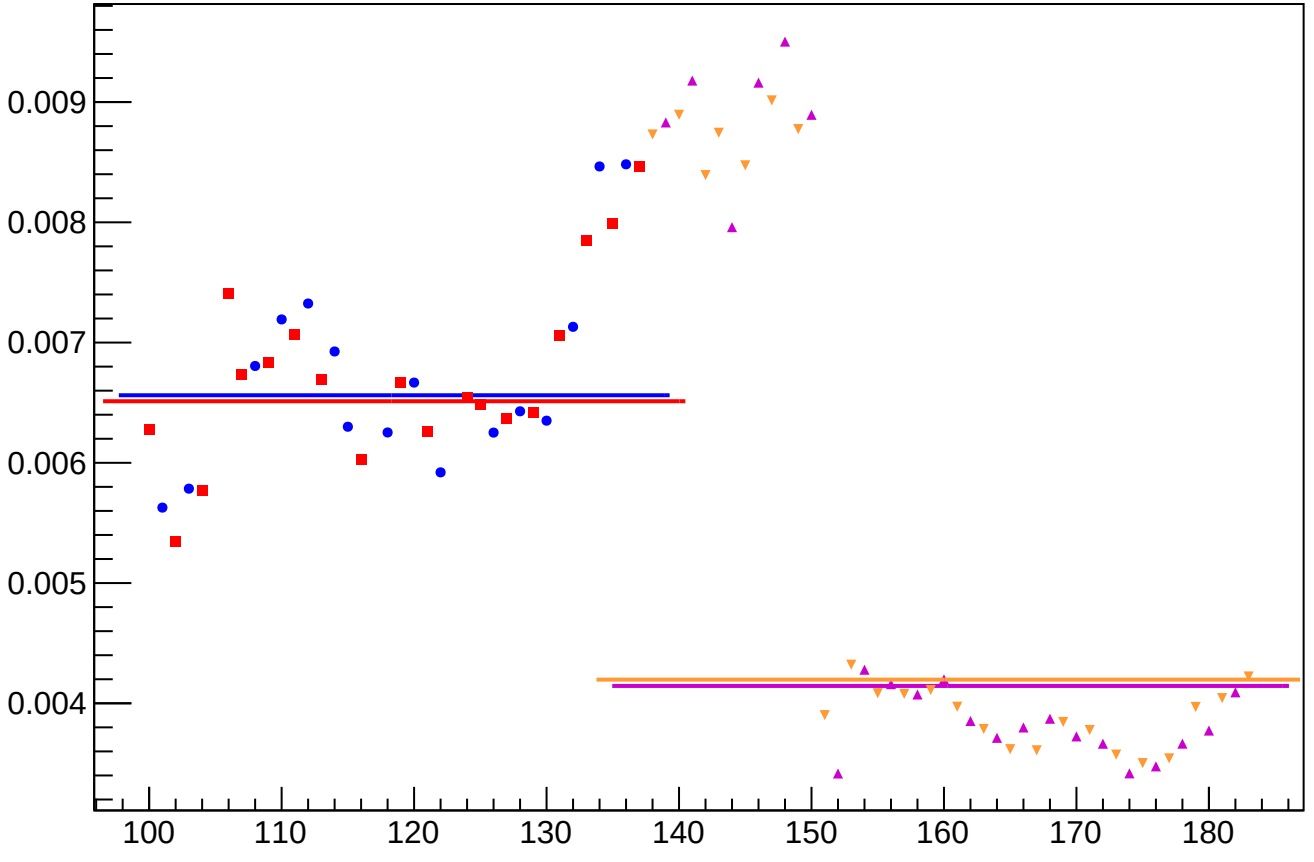
Left In: -1.842+/-0.000 χ^2/NDF:52679622916.3/21

+ sign -1.901+/-0.000 χ^2/NDF: 73530626291.9/39

All: -1.906+/-0.000 χ^2/NDF: 161749438941.1

- sign -1.911+/-0.000 χ^2/NDF: 88171329433.3/40

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3091478.5/23

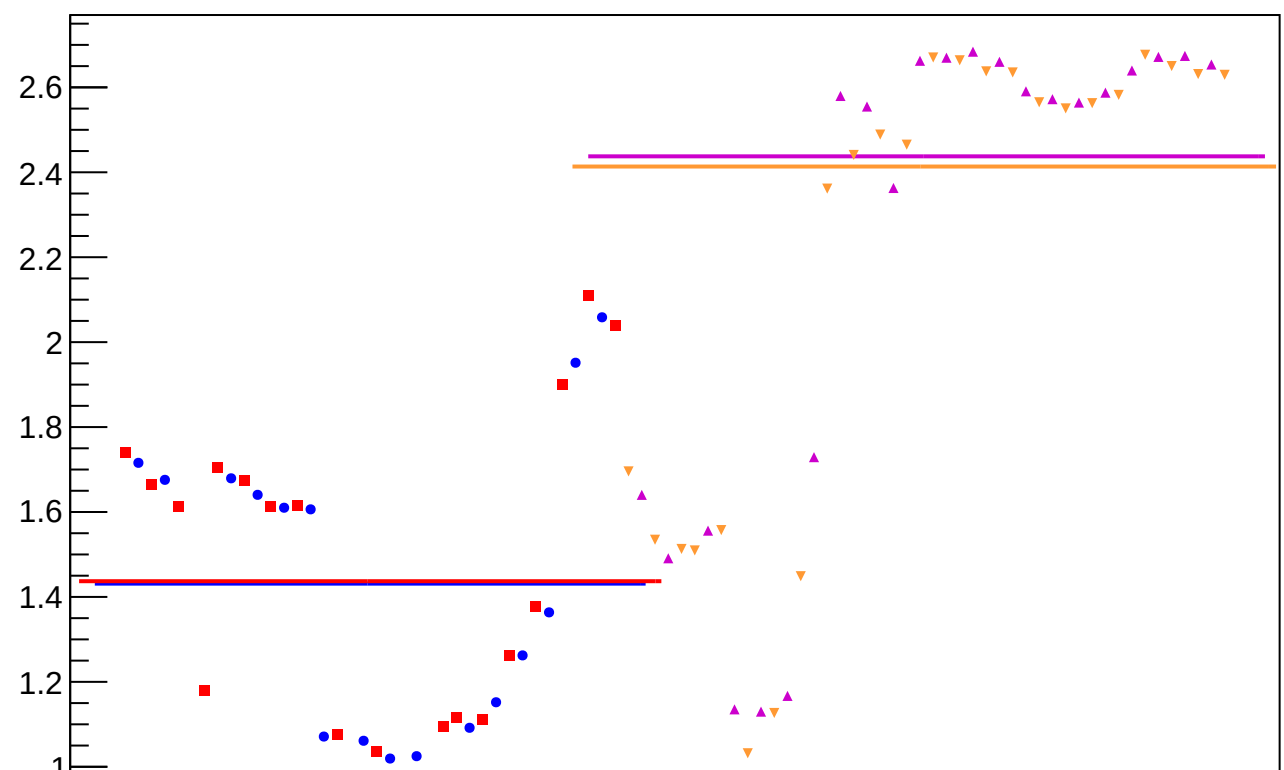
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3193376.9/21

+ sign 0.005+/-0.000 χ^2/NDF: 4853562.4/39

All: 0.005+/-0.000 χ^2/NDF: 9821478.1/80

- sign 0.005+/-0.000 χ^2/NDF: 4967063.0/40



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.414+/-0.000 χ^2/NDF:242172532231.1/23

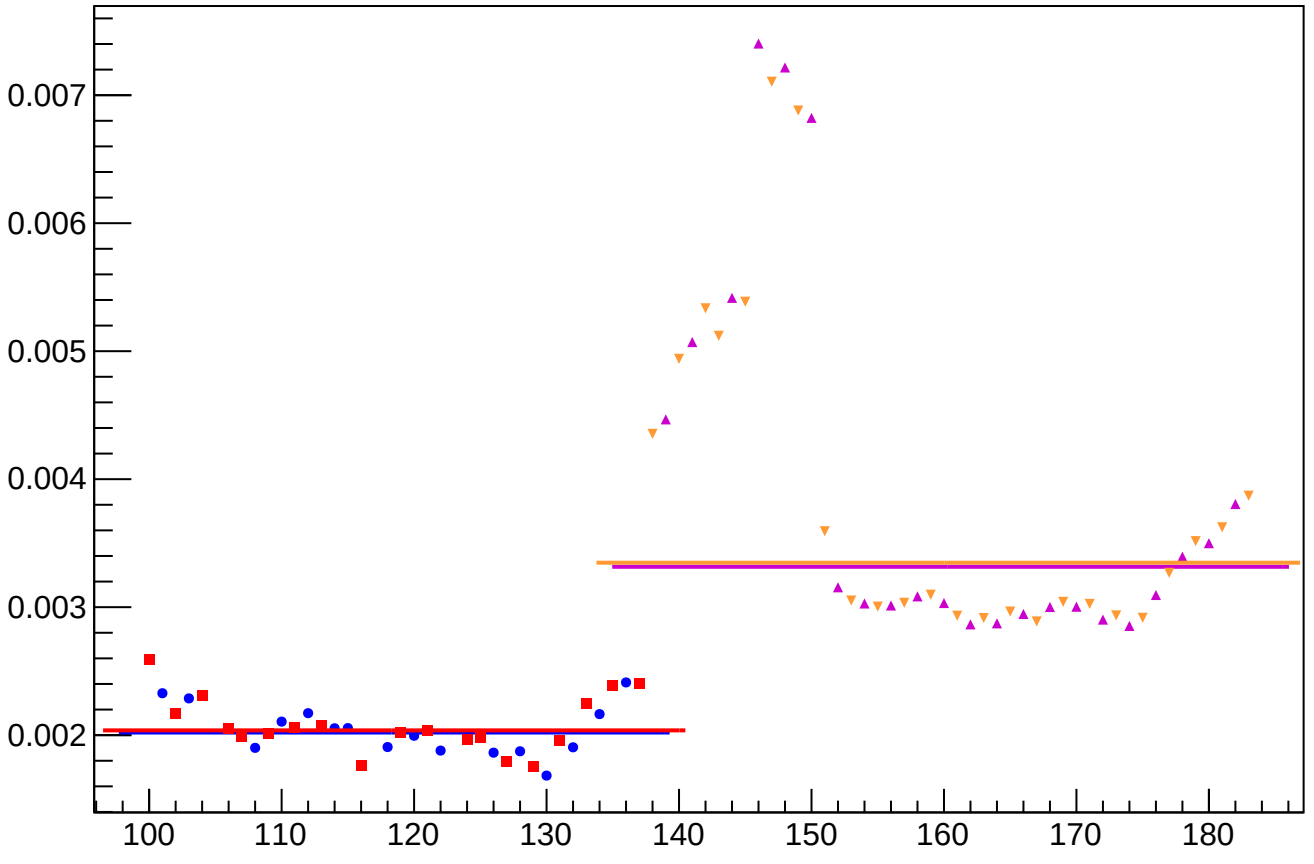
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.438+/-0.000 χ^2/NDF:230842019469.0/21

+ sign 1.908+/-0.000 χ^2/NDF: 1192829867981.7/39

All: 1.909+/-0.000 χ^2/NDF: 2376659061036.

- sign 1.909+/-0.000 χ^2/NDF: 1183827121628.3/40



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1813706.1/23

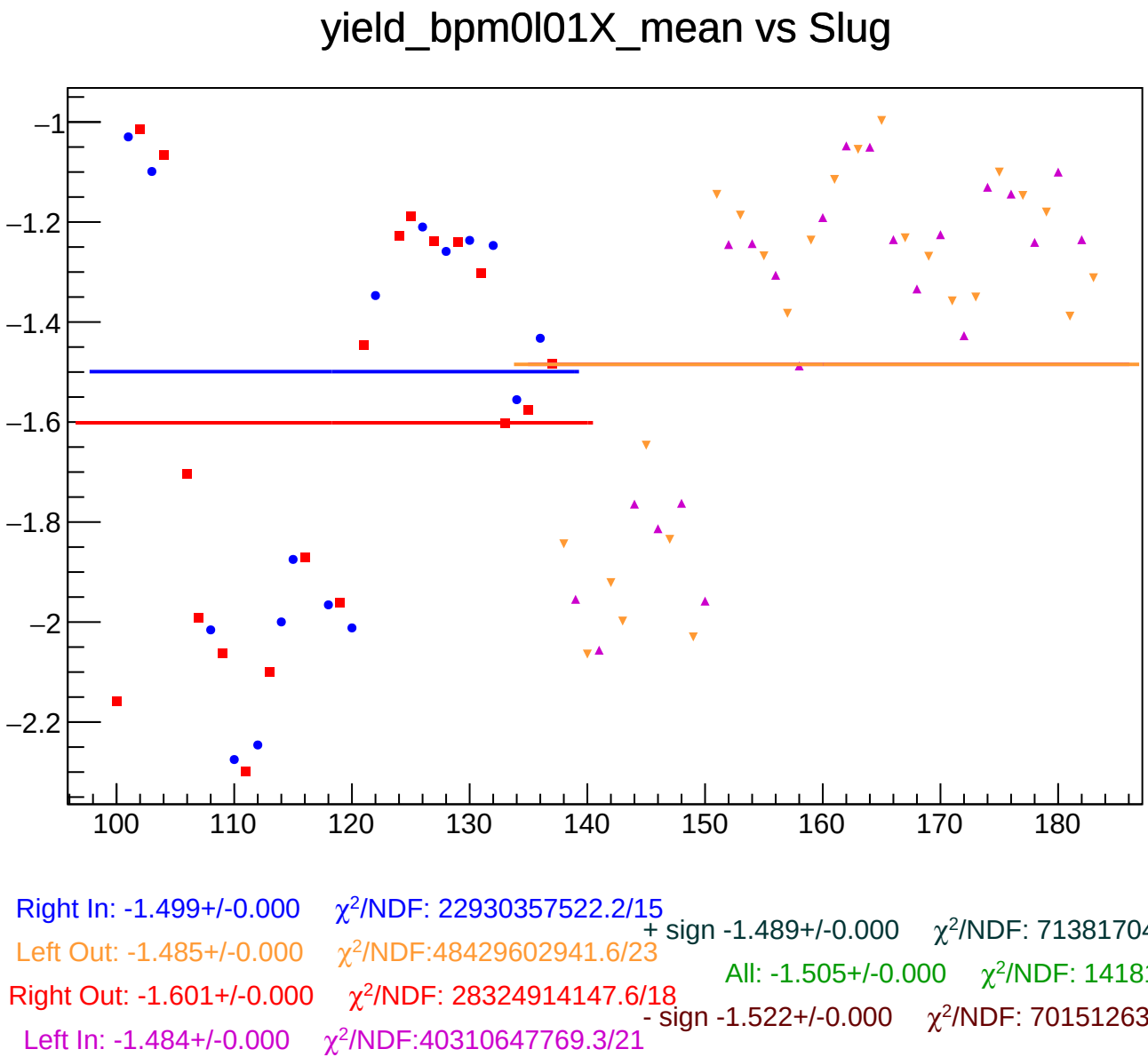
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2052492.4/21

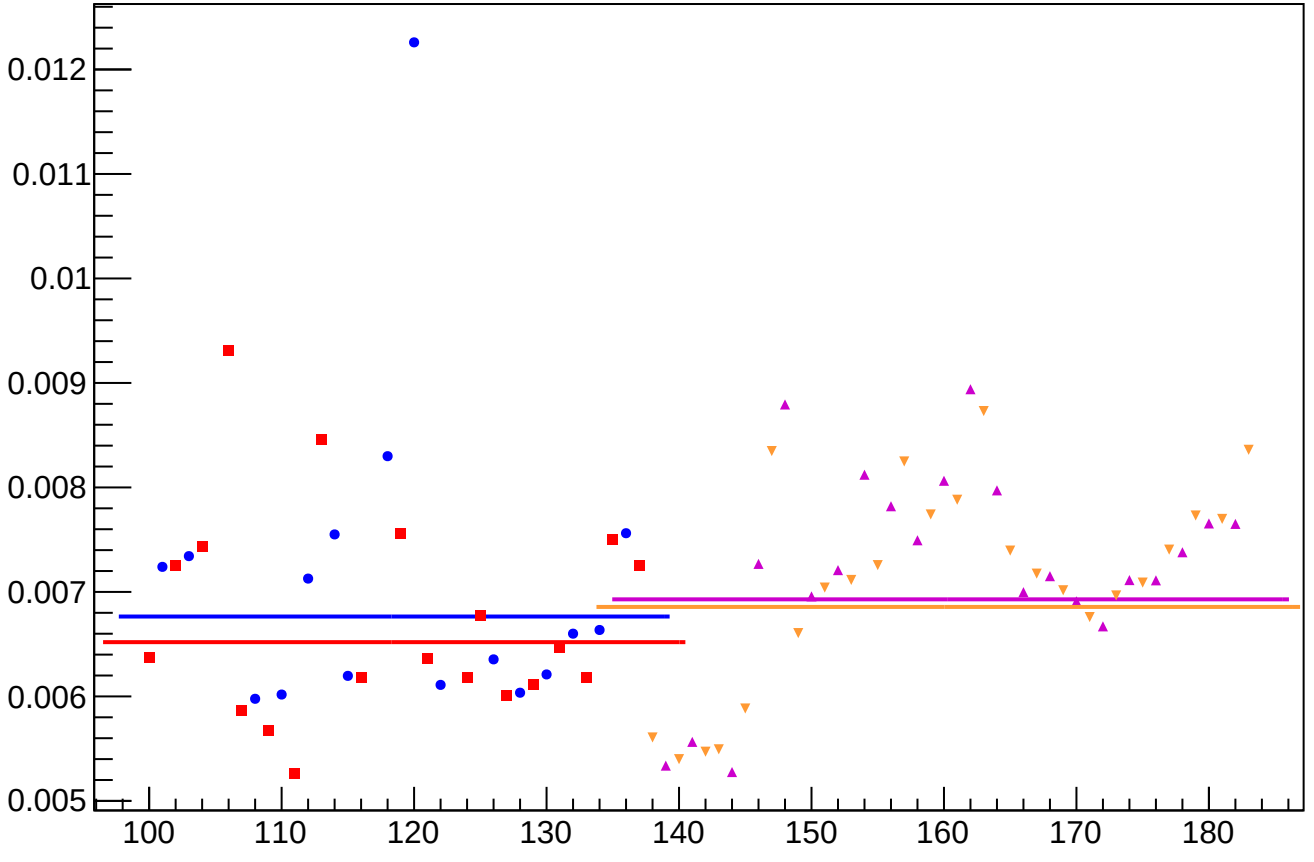
+ sign 0.003+/-0.000 χ^2/NDF: 4747881.8/39

All: 0.003+/-0.000 χ^2/NDF: 9431590.7/80

- sign 0.003+/-0.000 χ^2/NDF: 4681910.8/40


yield_bpm0l01X_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
180
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.485+/-0.000 χ²/NDF:48429602941.6/23
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.484+/-0.000 χ²/NDF:40310647769.3/21
+ sign -1.489+/-0.000 χ²/NDF: 71381704602.3/39
All: -1.505+/-0.000 χ²/NDF: 141814770617.9
- sign -1.522+/-0.000 χ²/NDF: 70151263228.1/40

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:717376.8/23

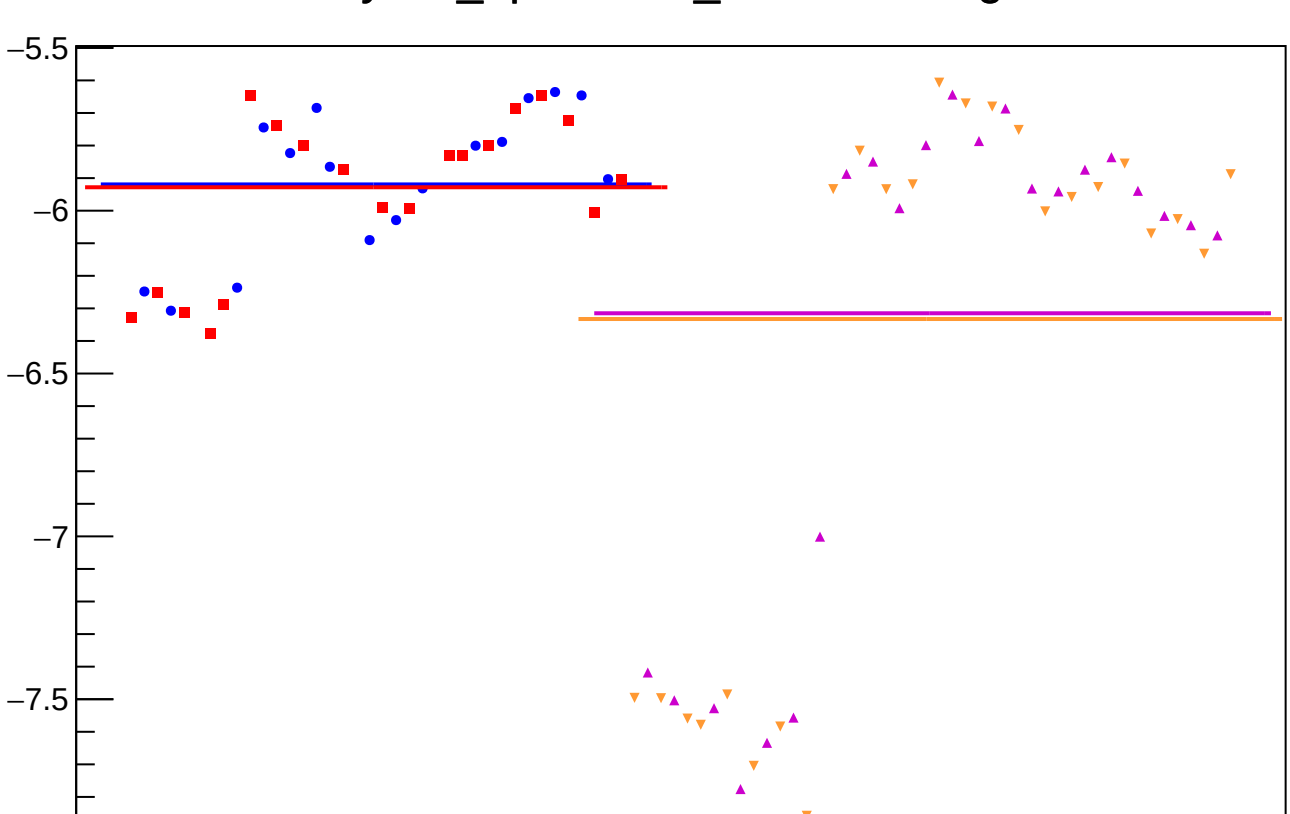
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:724220.3/21

+ sign 0.007+/-0.000 χ^2/NDF: 957682.4/39

All: 0.007+/-0.000 χ^2/NDF: 1965047.1/80

- sign 0.007+/-0.000 χ^2/NDF: 1006819.1/40



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.333+/-0.000 χ^2/NDF:110122289759.1/23

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

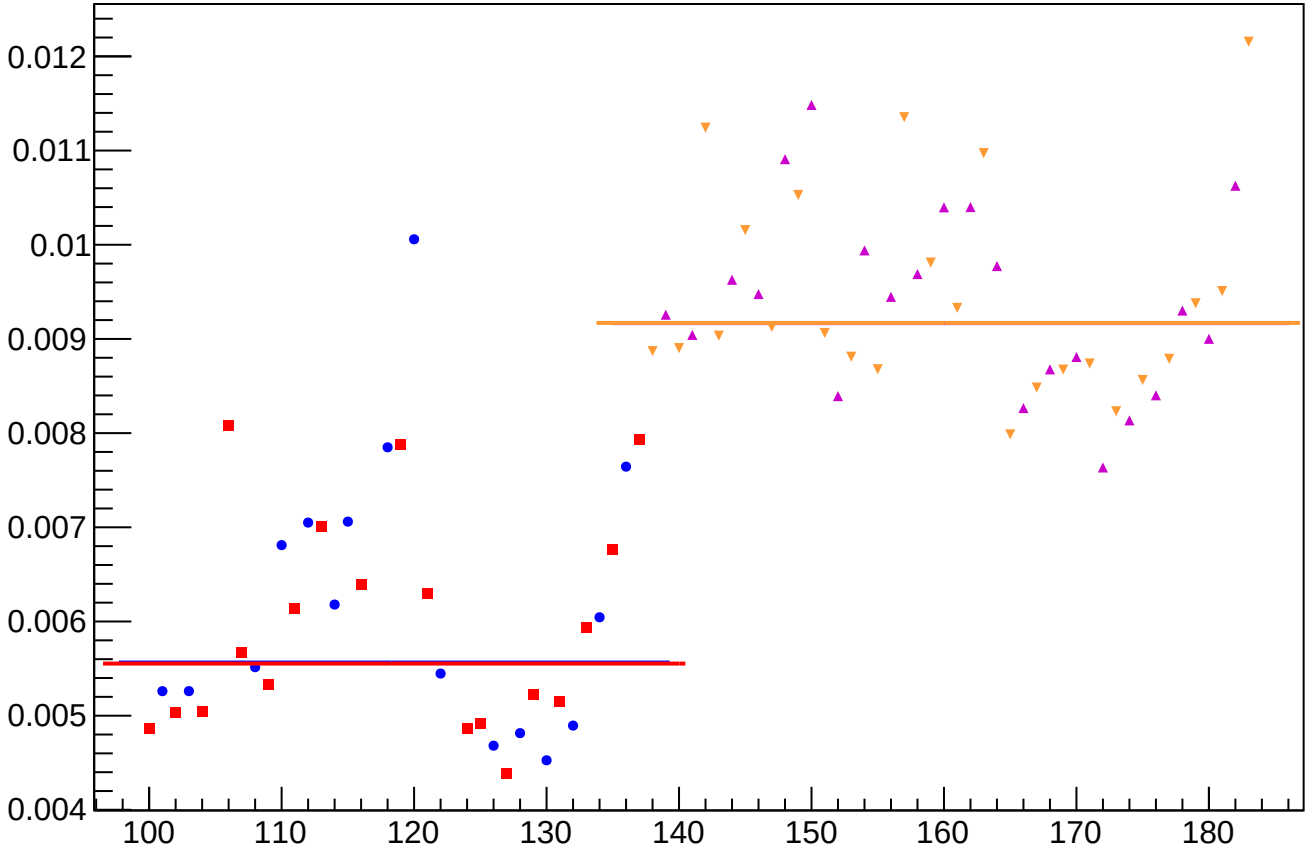
Left In: -6.315+/-0.000 χ^2/NDF:91364202850.9/21

+ sign -6.122+/-0.000 χ^2/NDF: 138415233684.9/39

All: -6.114+/-0.000 χ^2/NDF: 257014399843.8

- sign -6.107+/-0.000 χ^2/NDF: 118556076082.6/40

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:306938.4/23

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

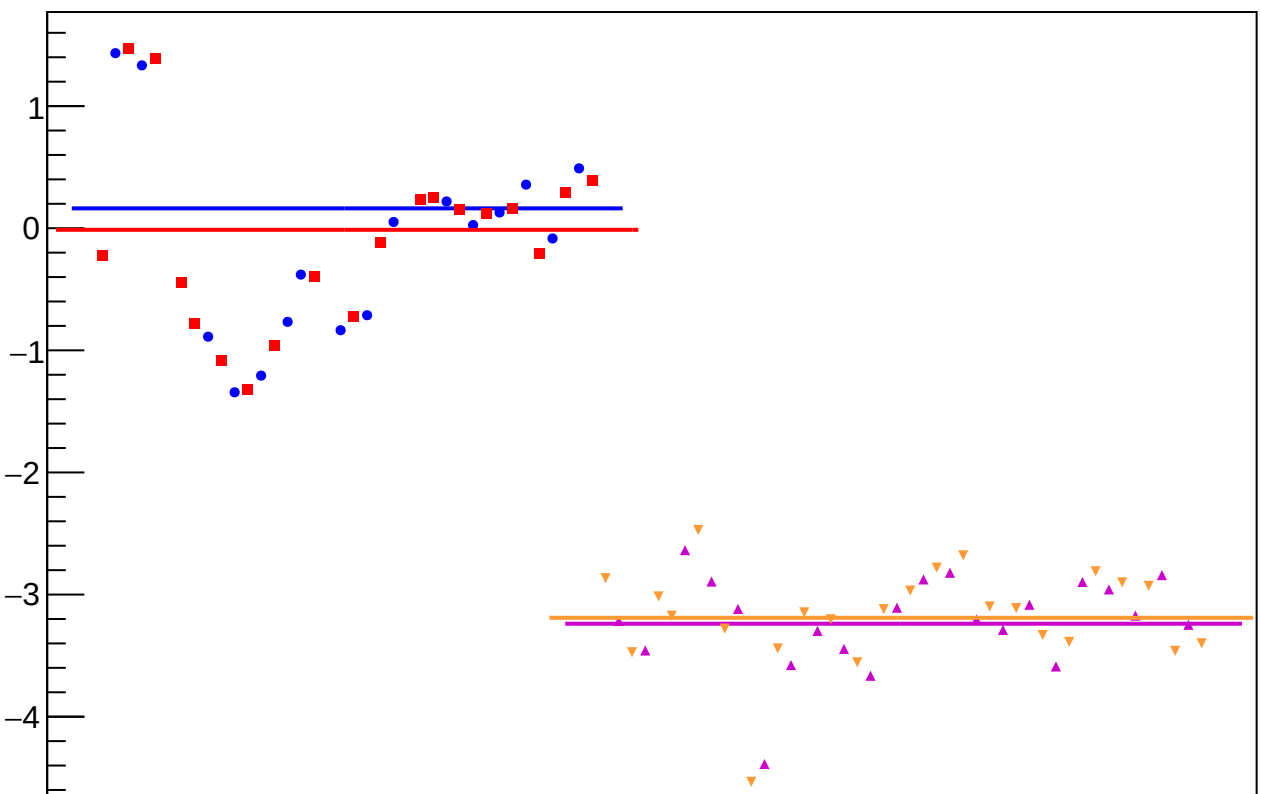
Left In: 0.009+/-0.000 χ^2/NDF:310891.9/21

+ sign 0.007+/-0.000 χ^2/NDF: 3323009.9/39

All: 0.007+/-0.000 χ^2/NDF: 6543752.3/80

- sign 0.007+/-0.000 χ^2/NDF: 3216307.6/40

yield_bpm0l02X_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.190+/-0.000 χ^2/NDF:9398920133.2/23

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

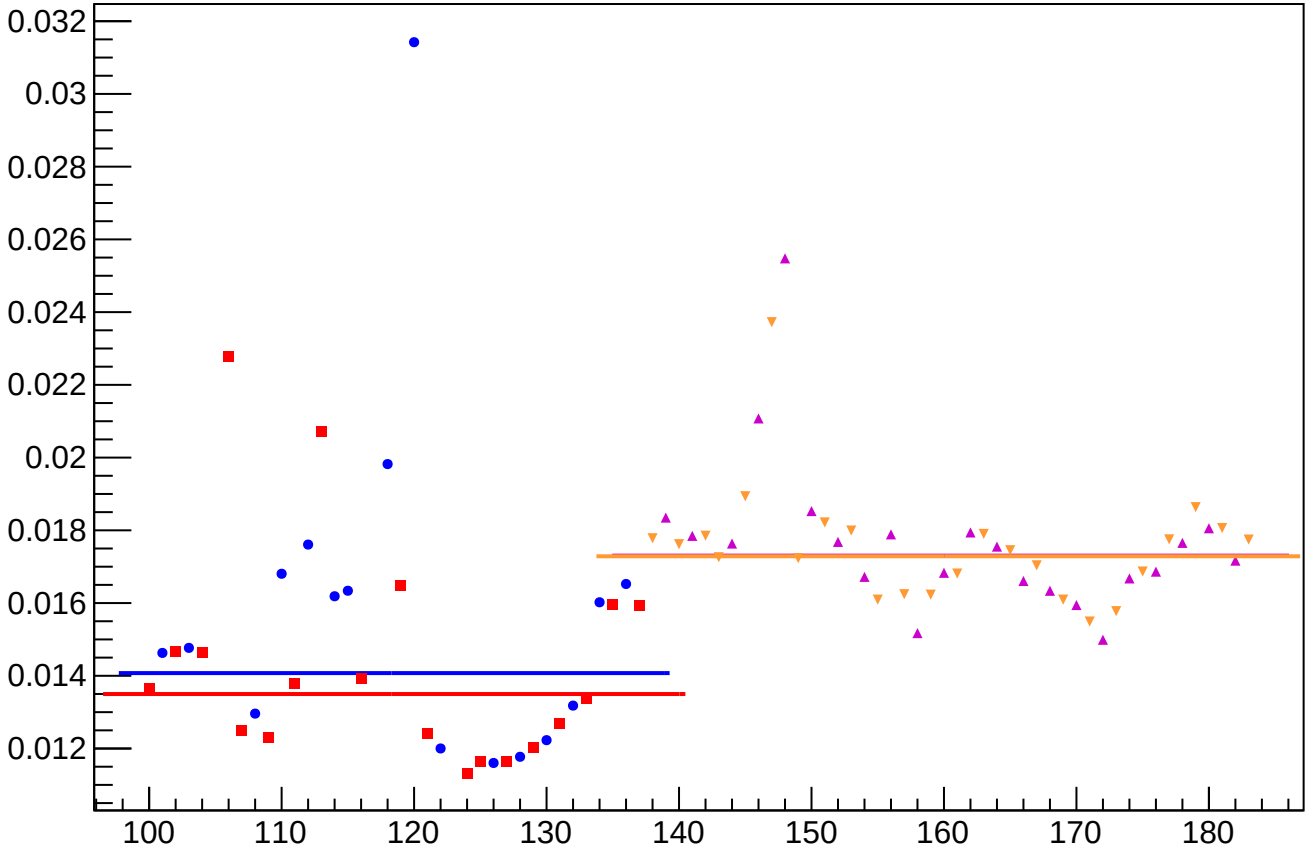
Left In: -3.239+/-0.000 χ^2/NDF:7899955523.9/21

+ sign -2.044+/-0.000 χ^2/NDF: 262912458896.8/39

All: -2.008+/-0.000 χ^2/NDF: 528573075424.2

- sign -1.973+/-0.000 χ^2/NDF: 265419027126.9/40

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:215802.3/23

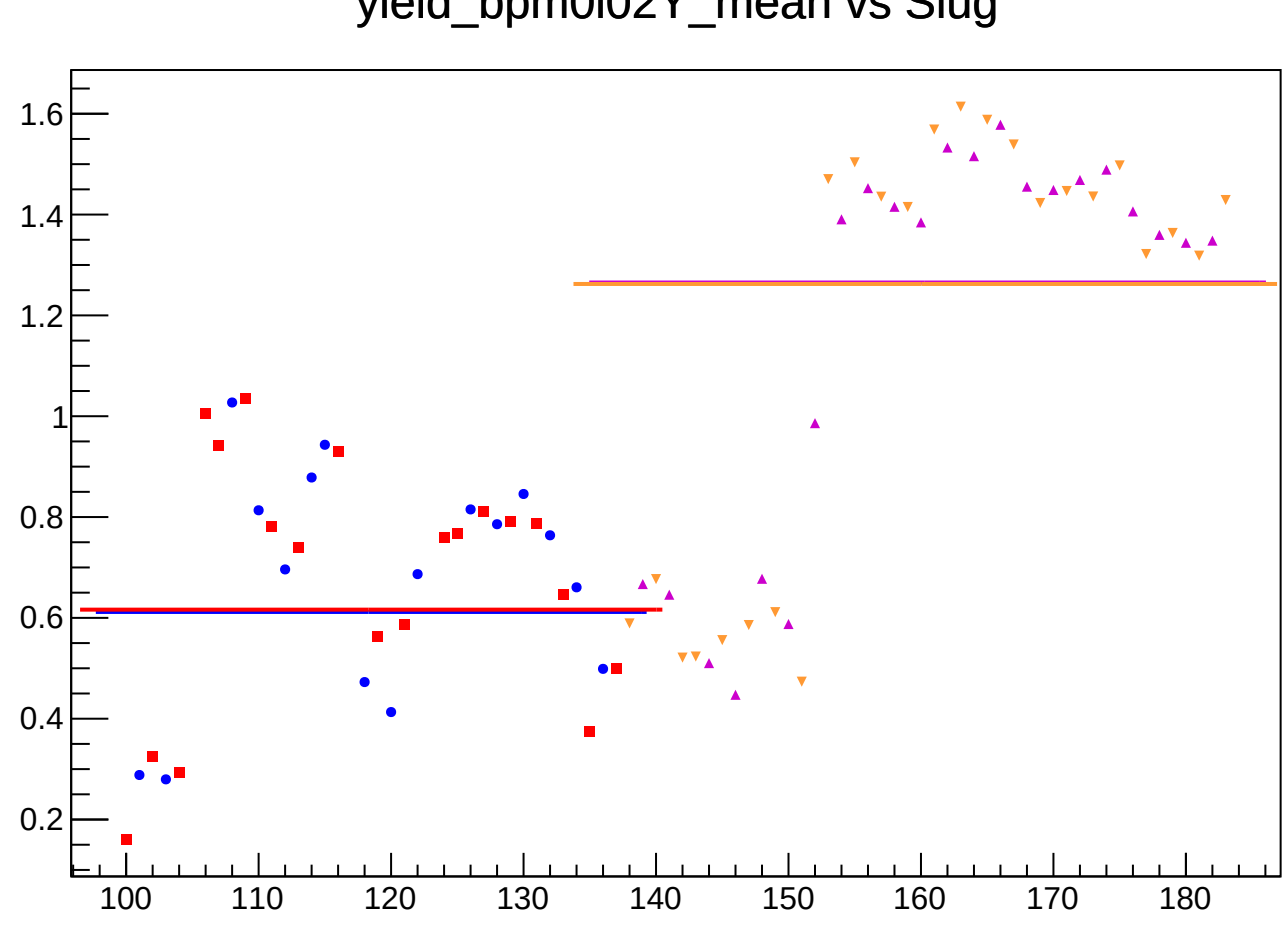
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:327060.5/21

+ sign 0.016+/-0.000 χ^2/NDF: 1113652.4/39

All: 0.016+/-0.000 χ^2/NDF: 2423203.5/80

- sign 0.016+/-0.000 χ^2/NDF: 1296107.6/40



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.262+/-0.000 χ^2/NDF:45536934069.9/23

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

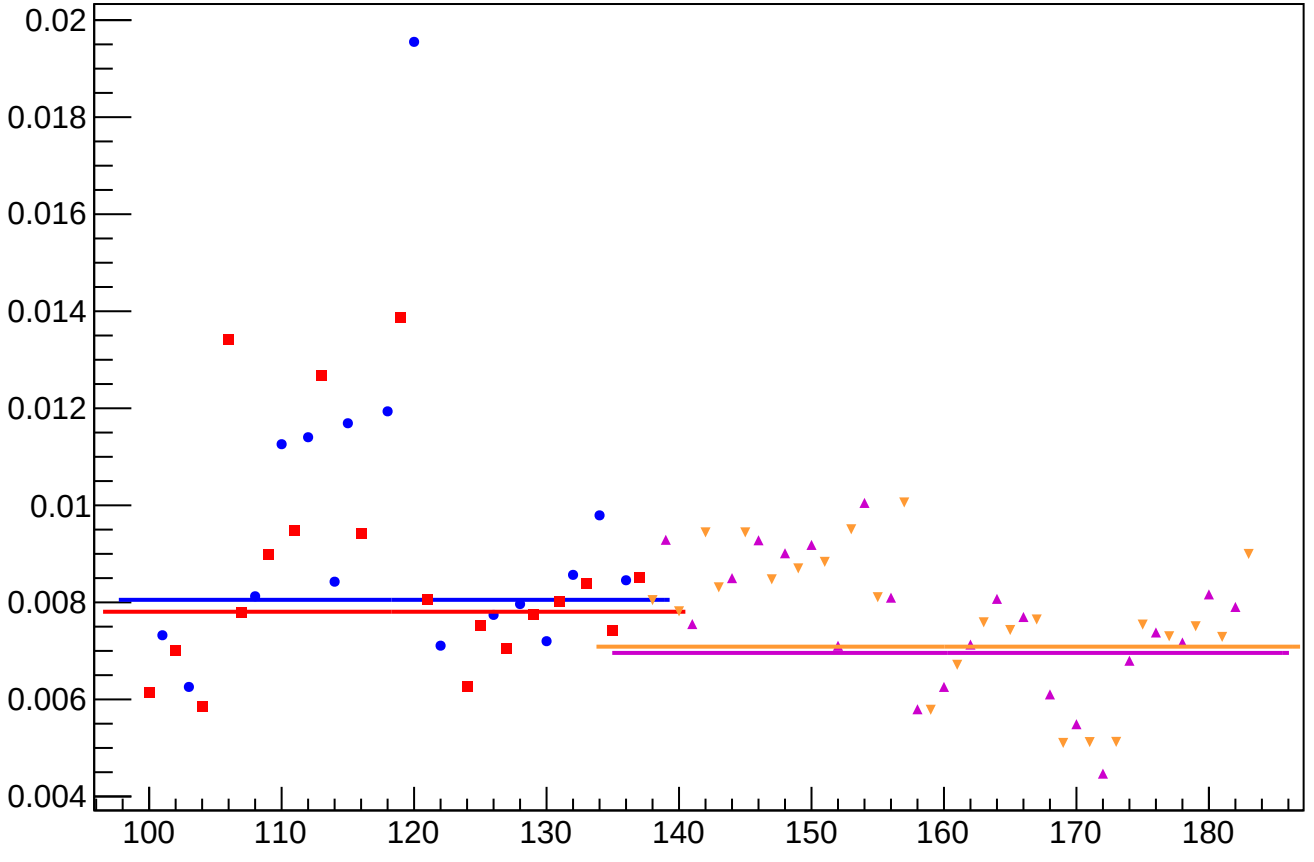
Left In: 1.265+/-0.000 χ^2/NDF:37540398531.5/21

+ sign 1.119+/-0.000 χ^2/NDF: 82349650819.3/39

All: 1.114+/-0.000 χ^2/NDF: 159928013972.5

- sign 1.108+/-0.000 χ^2/NDF: 77554378052.1/40

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1474265.3/23

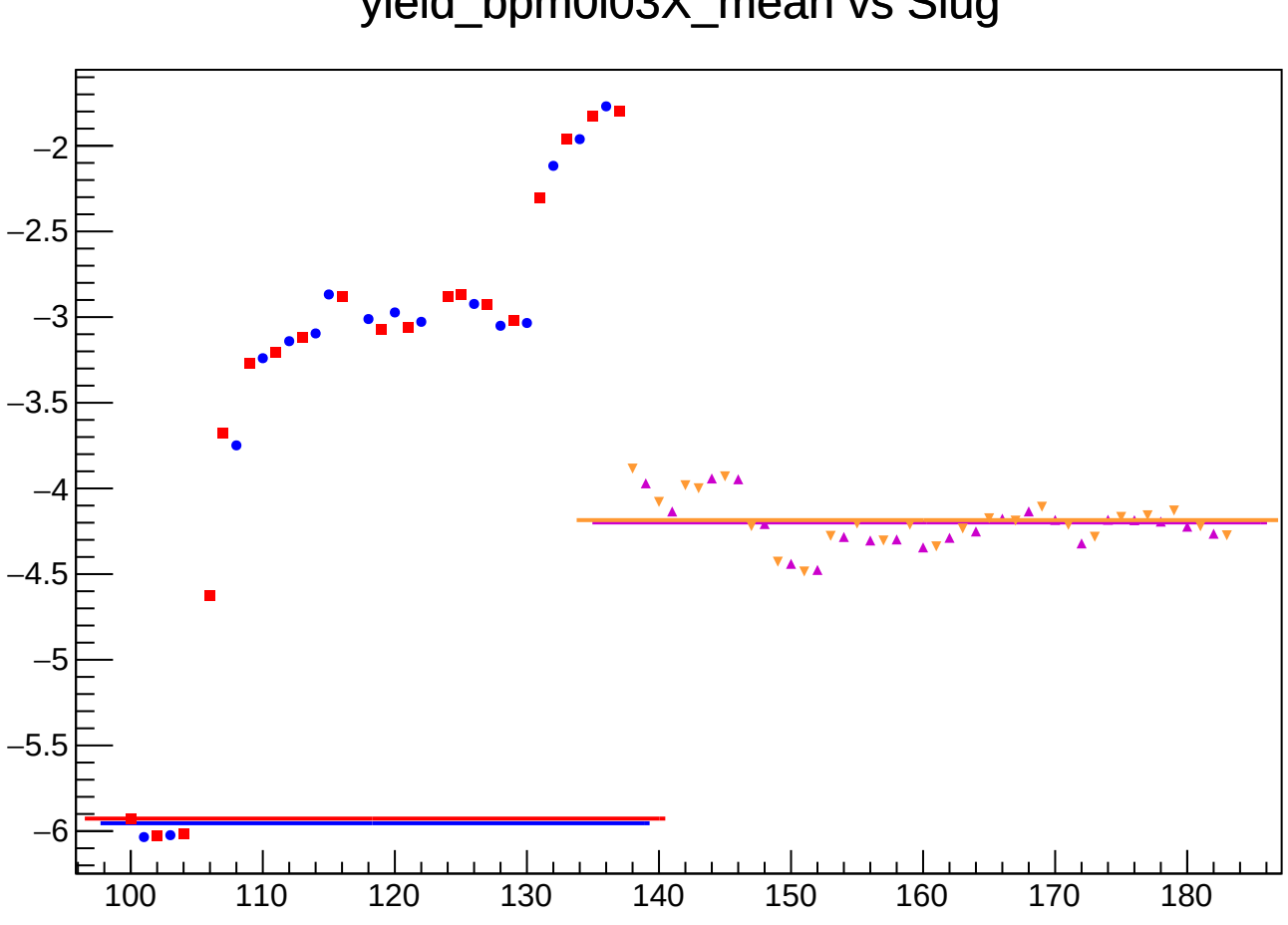
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1438395.5/21

+ sign 0.007+/-0.000 χ^2/NDF: 2209795.0/39

All: 0.007+/-0.000 χ^2/NDF: 4358306.3/80

- sign 0.007+/-0.000 χ^2/NDF: 2140449.2/40



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.185+/-0.000 χ^2/NDF:54790112.7/23

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

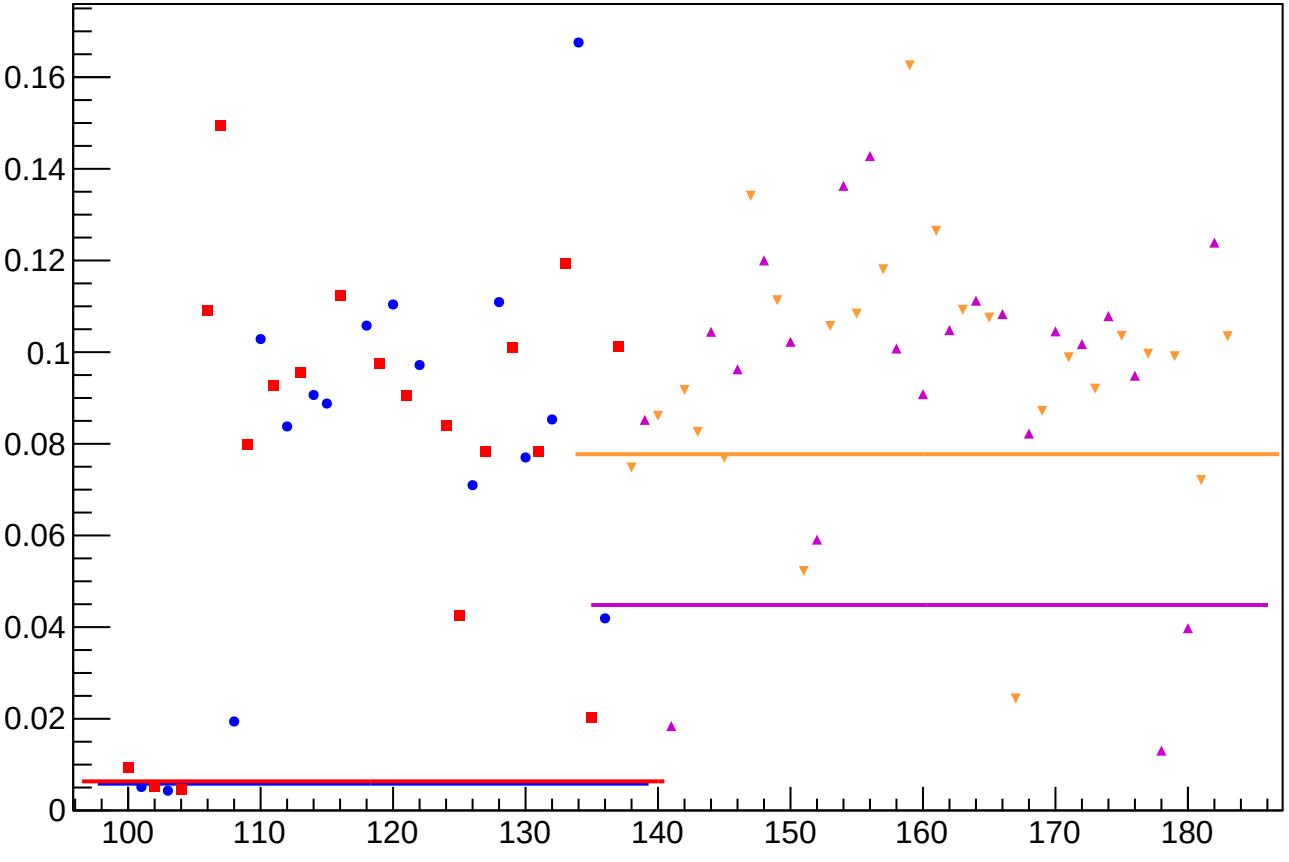
Left In: -4.199+/-0.000 χ^2/NDF:41934609.6/21

+ sign -5.880+/-0.000 χ^2/NDF: 19932770252.4/39

All: -5.834+/-0.000 χ^2/NDF: 44786831777.2/

- sign -5.781+/-0.000 χ^2/NDF: 24613066539.0/40

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.078+/-0.000 χ^2/NDF:4757691.9/23

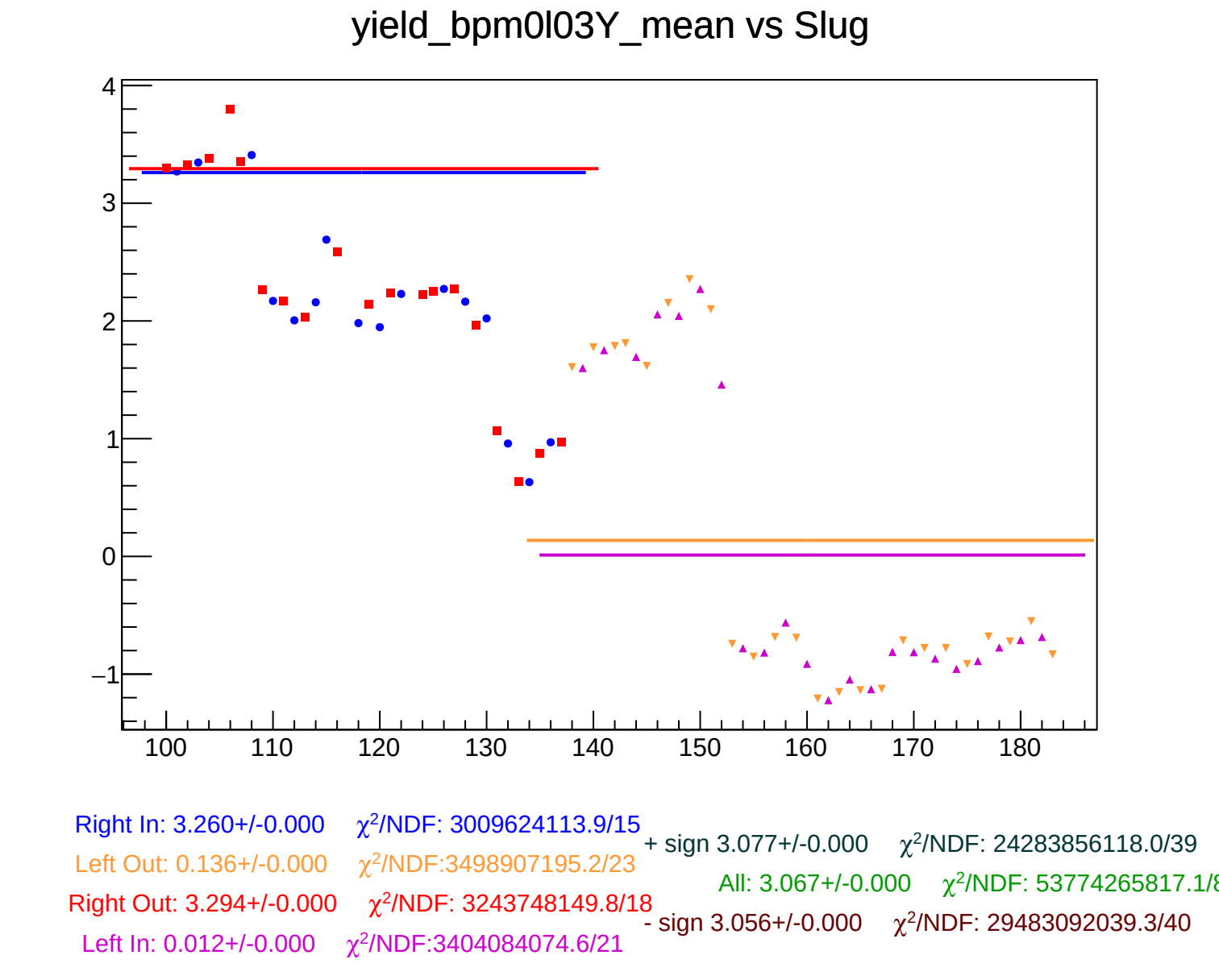
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.045+/-0.000 χ^2/NDF:12515879.3/21

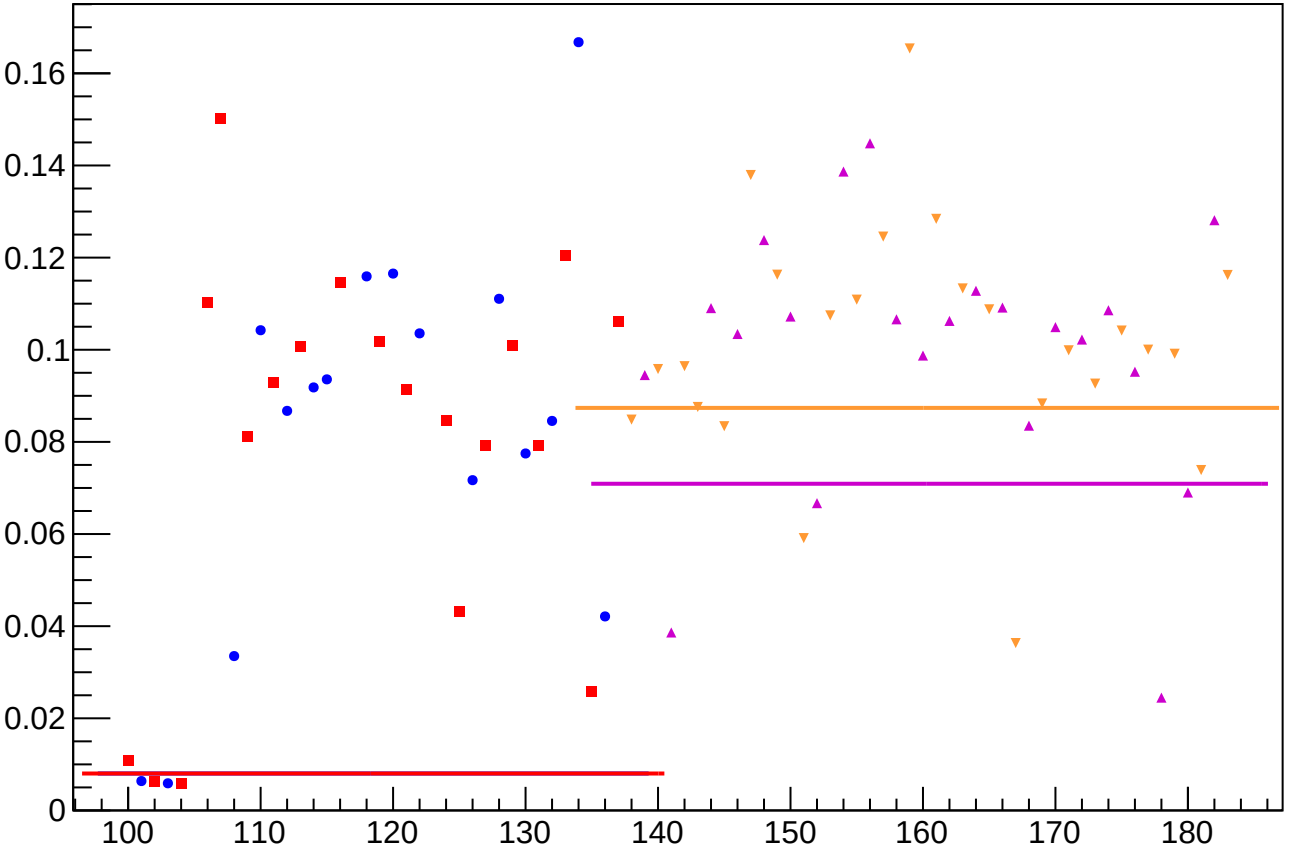
+ sign 0.009+/-0.000 χ^2/NDF: 35841555.6/39

All: 0.009+/-0.000 χ^2/NDF: 67689847.8/80

- sign 0.010+/-0.000 χ^2/NDF: 31822292.4/40


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 3.260+/-0.000 χ²/NDF: 3009624113.9/15
Left Out: 0.136+/-0.000 χ²/NDF:3498907195.2/23
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 0.012+/-0.000 χ²/NDF:3404084074.6/21
+ sign 3.077+/-0.000 χ²/NDF: 24283856118.0/39
All: 3.067+/-0.000 χ²/NDF: 53774265817.1/8
- sign 3.056+/-0.000 χ²/NDF: 29483092039.3/40

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.087+/-0.000 χ^2/NDF:3012107.6/23

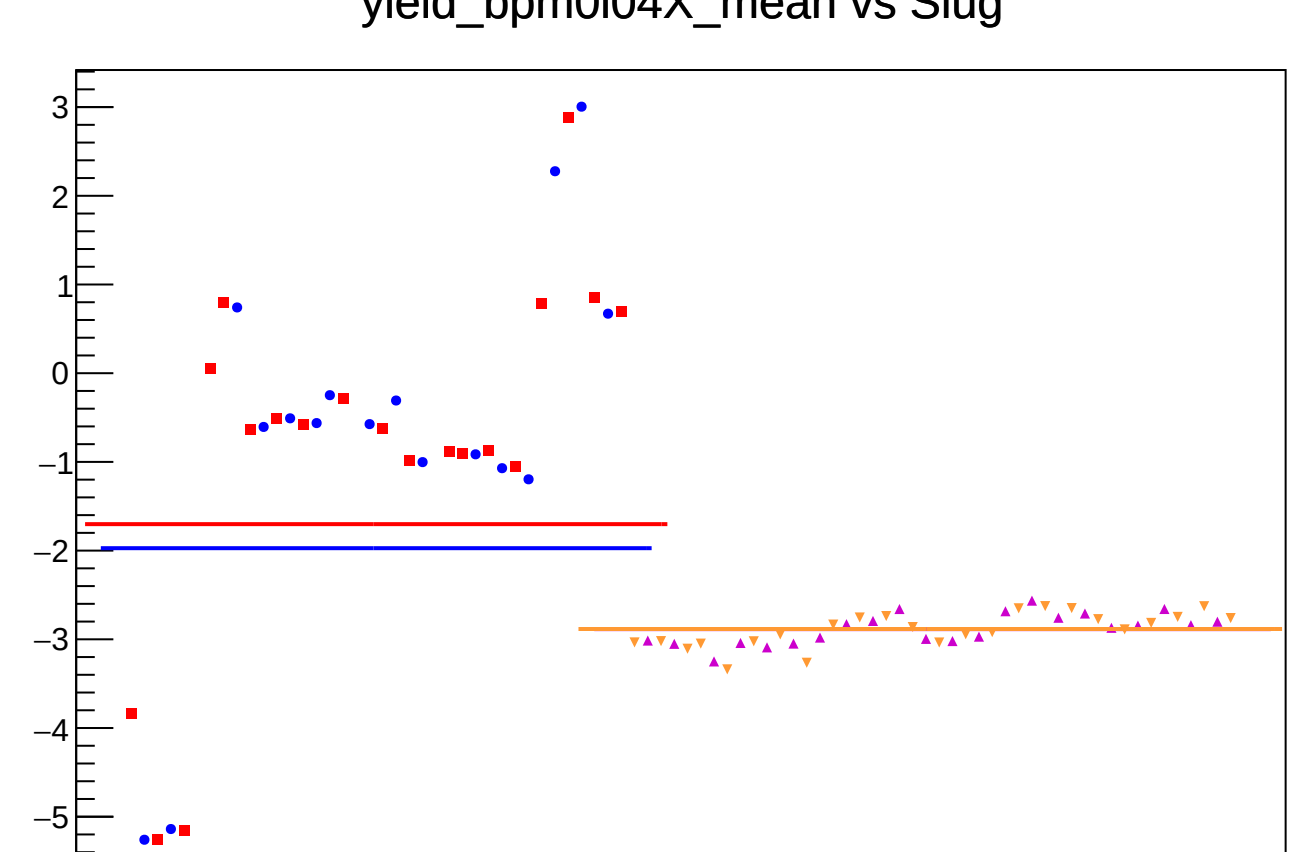
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.071+/-0.000 χ^2/NDF:6475819.6/21

+ sign 0.013+/-0.000 χ^2/NDF: 34365849.5/39

All: 0.013+/-0.000 χ^2/NDF: 66156052.1/80

- sign 0.013+/-0.000 χ^2/NDF: 31789853.7/40



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.884+/-0.000 χ^2/NDF:10365977969.4/23

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

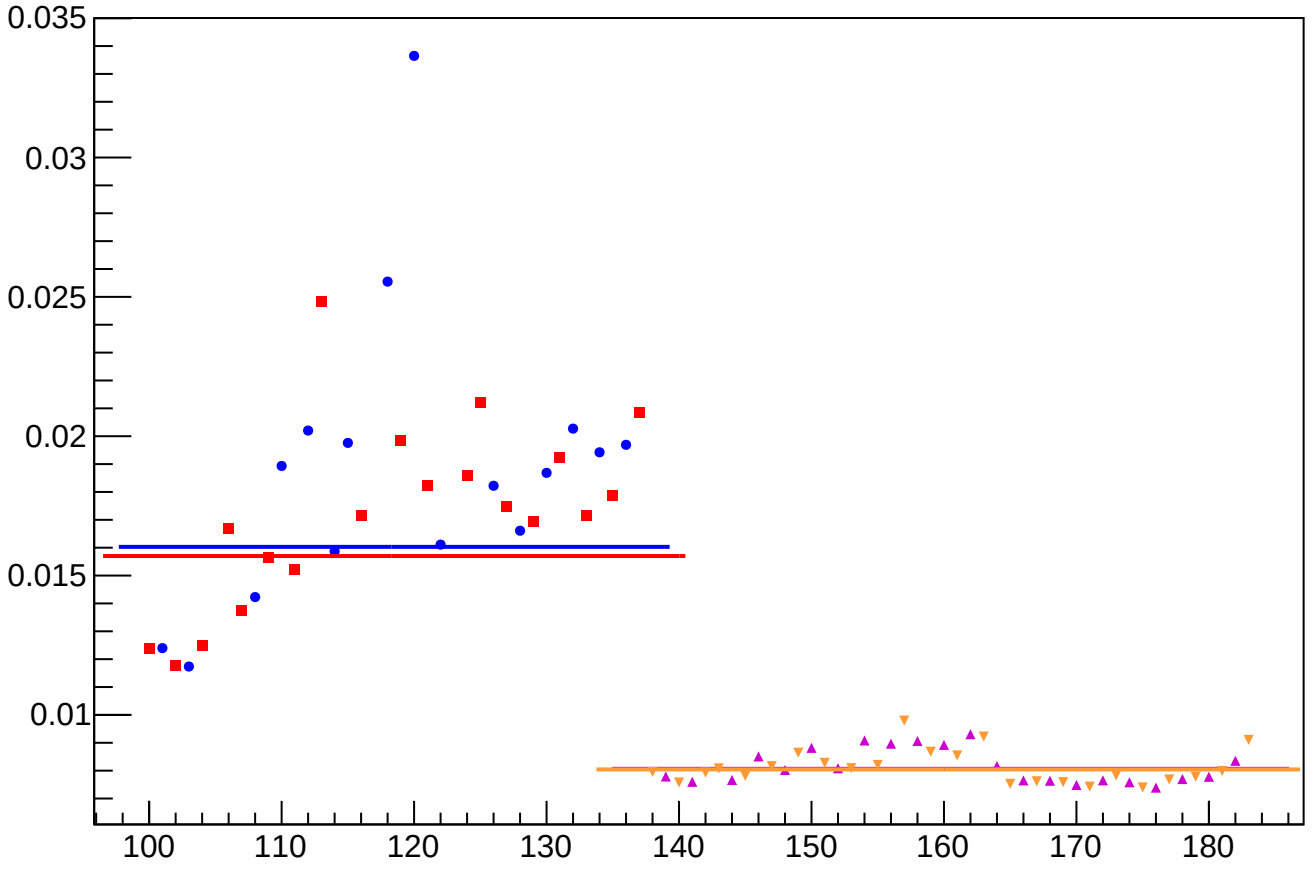
Left In: -2.885+/-0.000 χ^2/NDF:8131263653.7/21

+ sign -2.816+/-0.000 χ^2/NDF: 189743529814.4/39

All: -2.798+/-0.000 χ^2/NDF: 399193769082.3

- sign -2.780+/-0.000 χ^2/NDF: 209258100044.2/40

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:171476.4/23

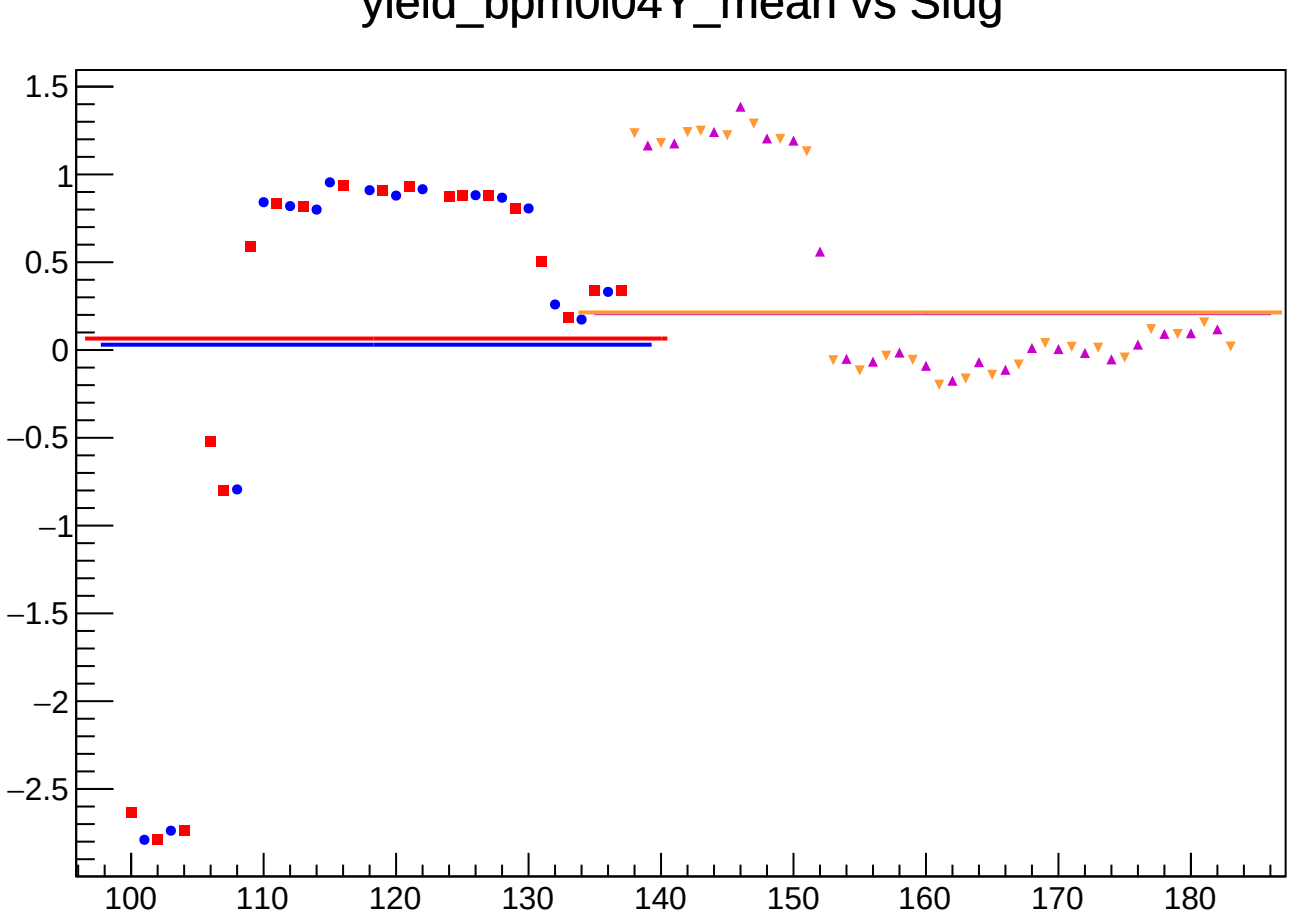
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:175429.9/21

+ sign 0.009+/-0.000 χ^2/NDF: 3581860.0/39

All: 0.009+/-0.000 χ^2/NDF: 7009009.3/80

- sign 0.009+/-0.000 χ^2/NDF: 3423735.7/40



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.214+/-0.000 χ^2/NDF:102710346685.3/23

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

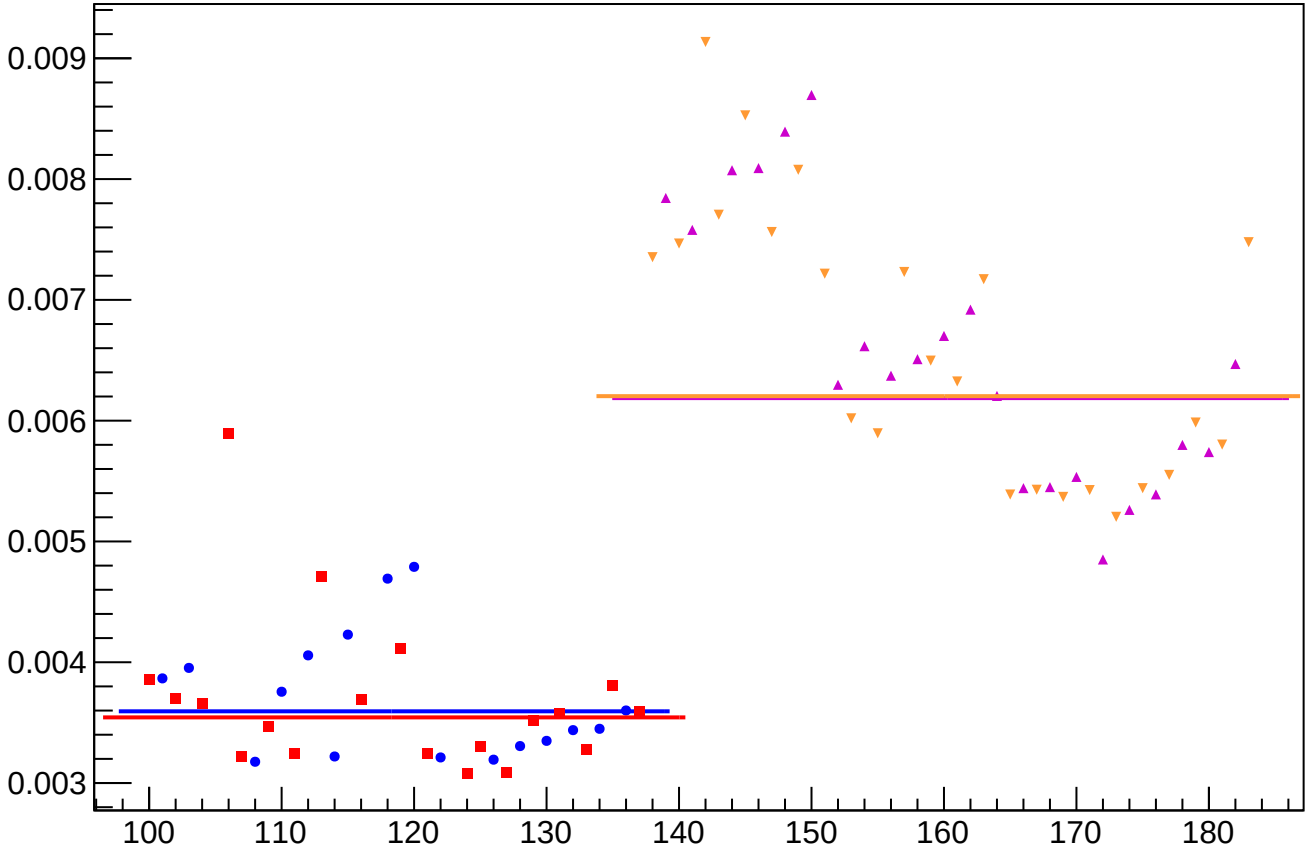
Left In: 0.210+/-0.000 χ^2/NDF:86939816626.6/21

+ sign 0.113+/-0.000 χ^2/NDF: 962317424408.8/39

All: 0.120+/-0.000 χ^2/NDF: 1989739217765.

- sign 0.126+/-0.000 χ^2/NDF: 1027339309312.4/40

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:773417.2/23

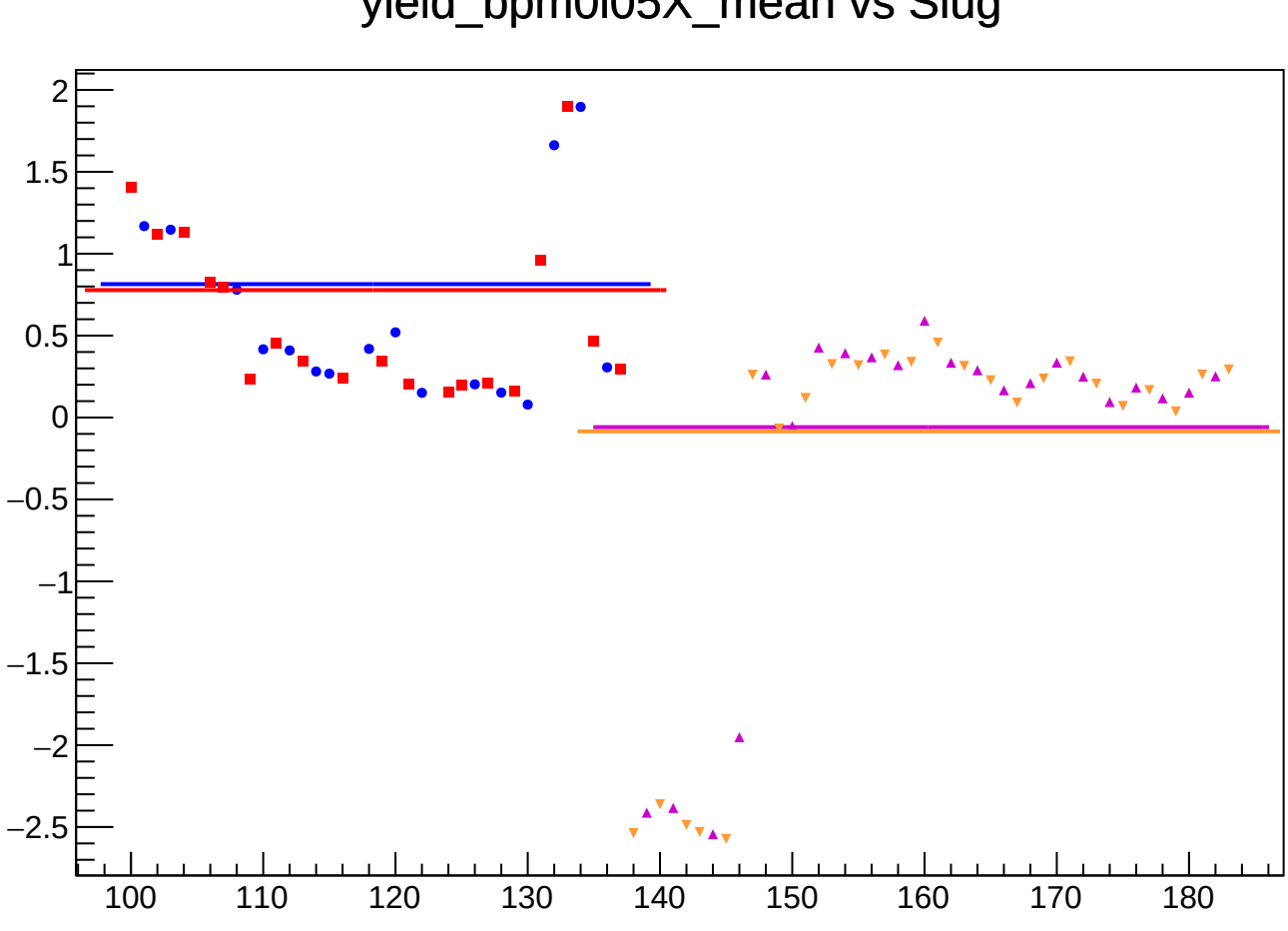
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:814096.6/21

+ sign 0.005+/-0.000 χ^2/NDF: 4151184.1/39

All: 0.005+/-0.000 χ^2/NDF: 8497732.5/80

- sign 0.005+/-0.000 χ^2/NDF: 4334440.2/40



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.085+/-0.000 χ^2/NDF:387736733456.0/23

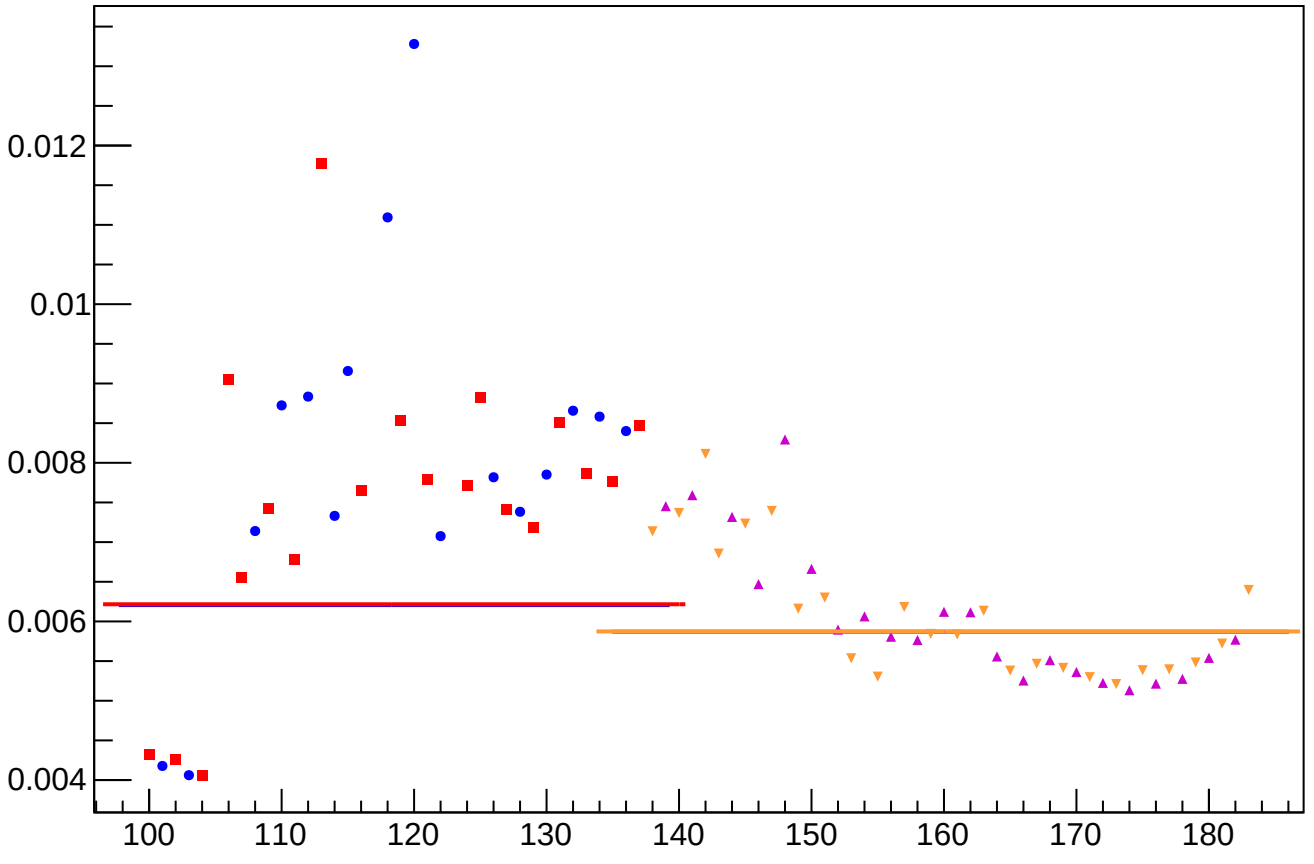
Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.059+/-0.000 χ^2/NDF:346441139435.2/21

+ sign 0.116+/-0.000 χ^2/NDF: 513704527786.0/39

All: 0.131+/-0.000 χ^2/NDF: 977159815076.1

- sign 0.147+/-0.000 χ^2/NDF: 463162318523.4/40



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:448333.0/23

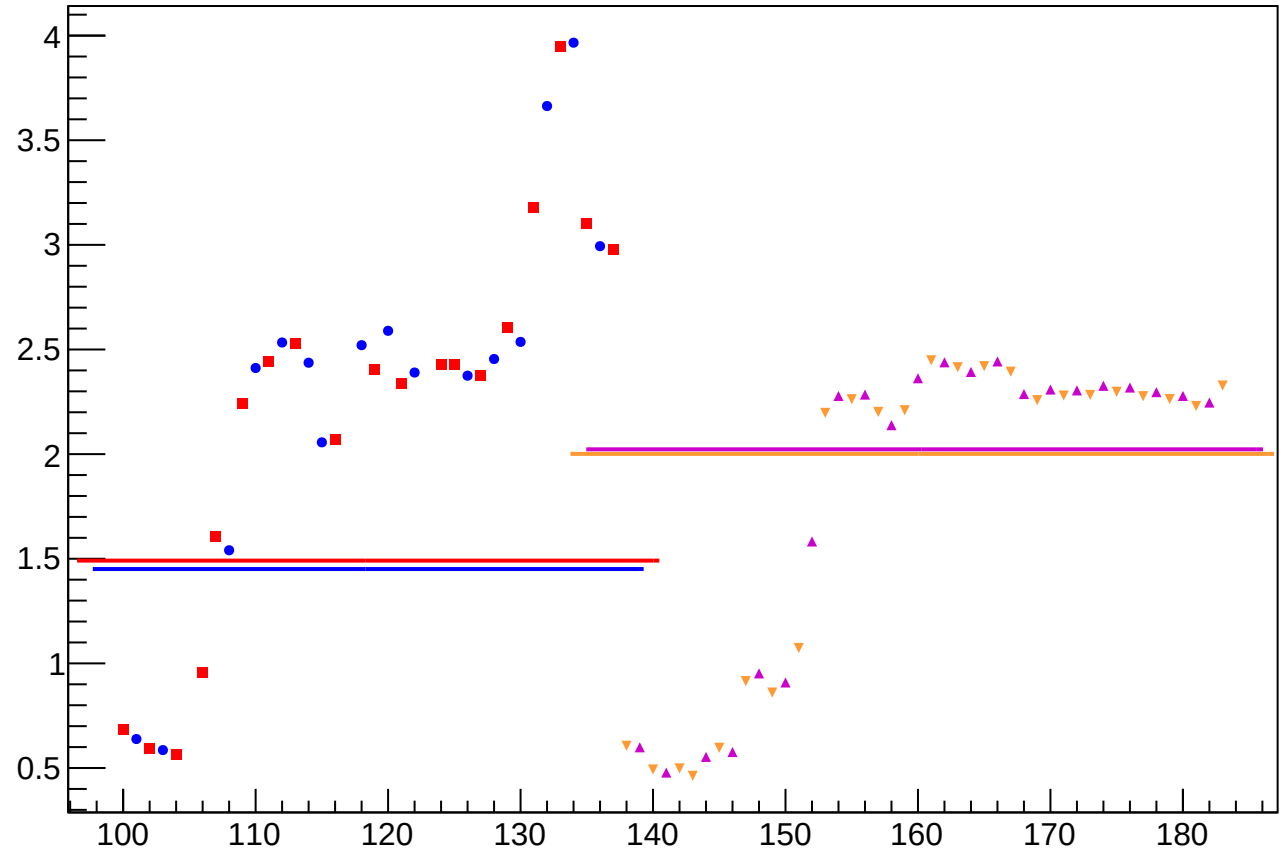
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:520451.8/21

+ sign 0.006+/-0.000 χ^2/NDF: 1896986.3/39

All: 0.006+/-0.000 χ^2/NDF: 3606746.7/80

- sign 0.006+/-0.000 χ^2/NDF: 1709728.4/40



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 2.001+/-0.000 χ^2/NDF:218731315910.6/23

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

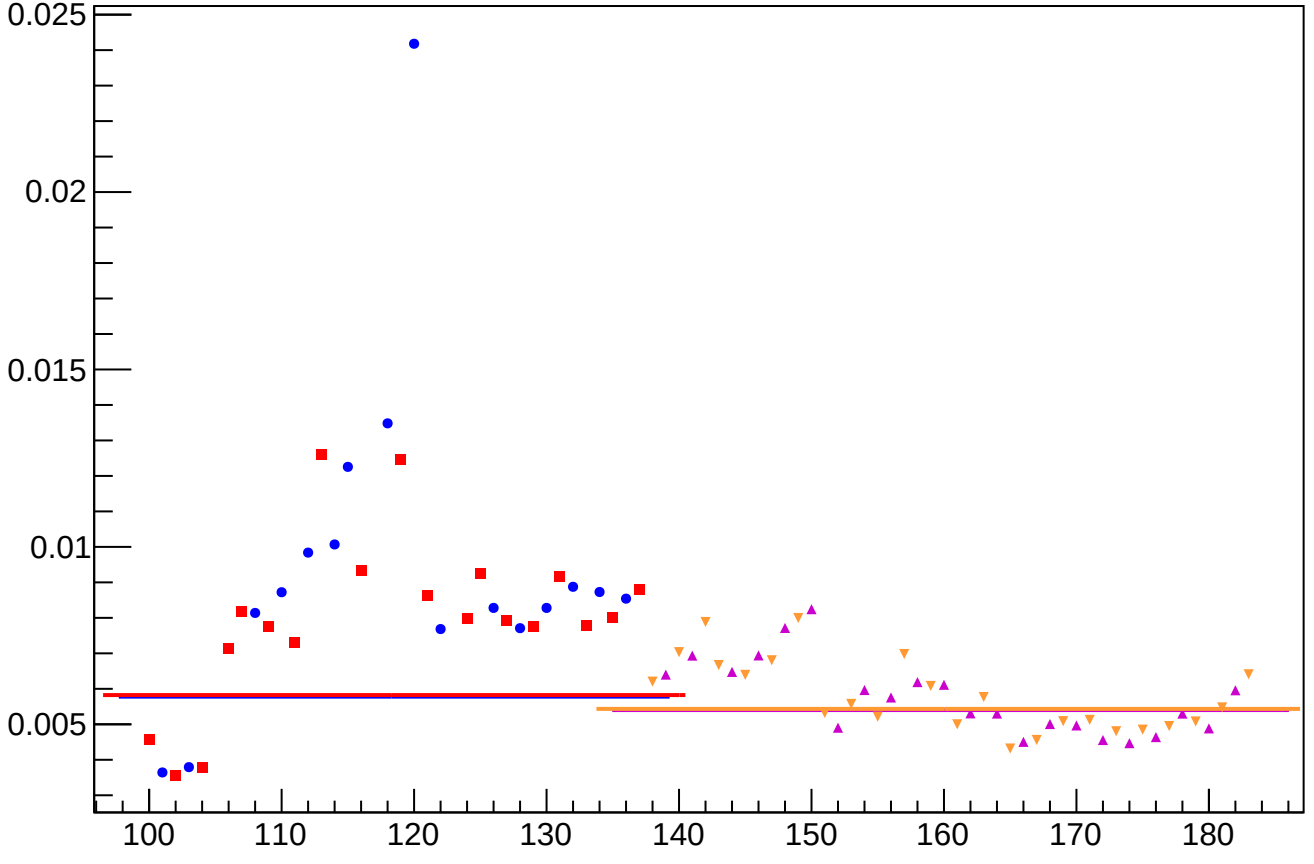
Left In: 2.023+/-0.000 χ^2/NDF:193802687975.6/21

+ sign 1.883+/-0.000 χ^2/NDF: 423981830237.7/39

All: 1.890+/-0.000 χ^2/NDF: 839688330142.5

- sign 1.898+/-0.000 χ^2/NDF: 415631416793.4/40

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:739304.4/23

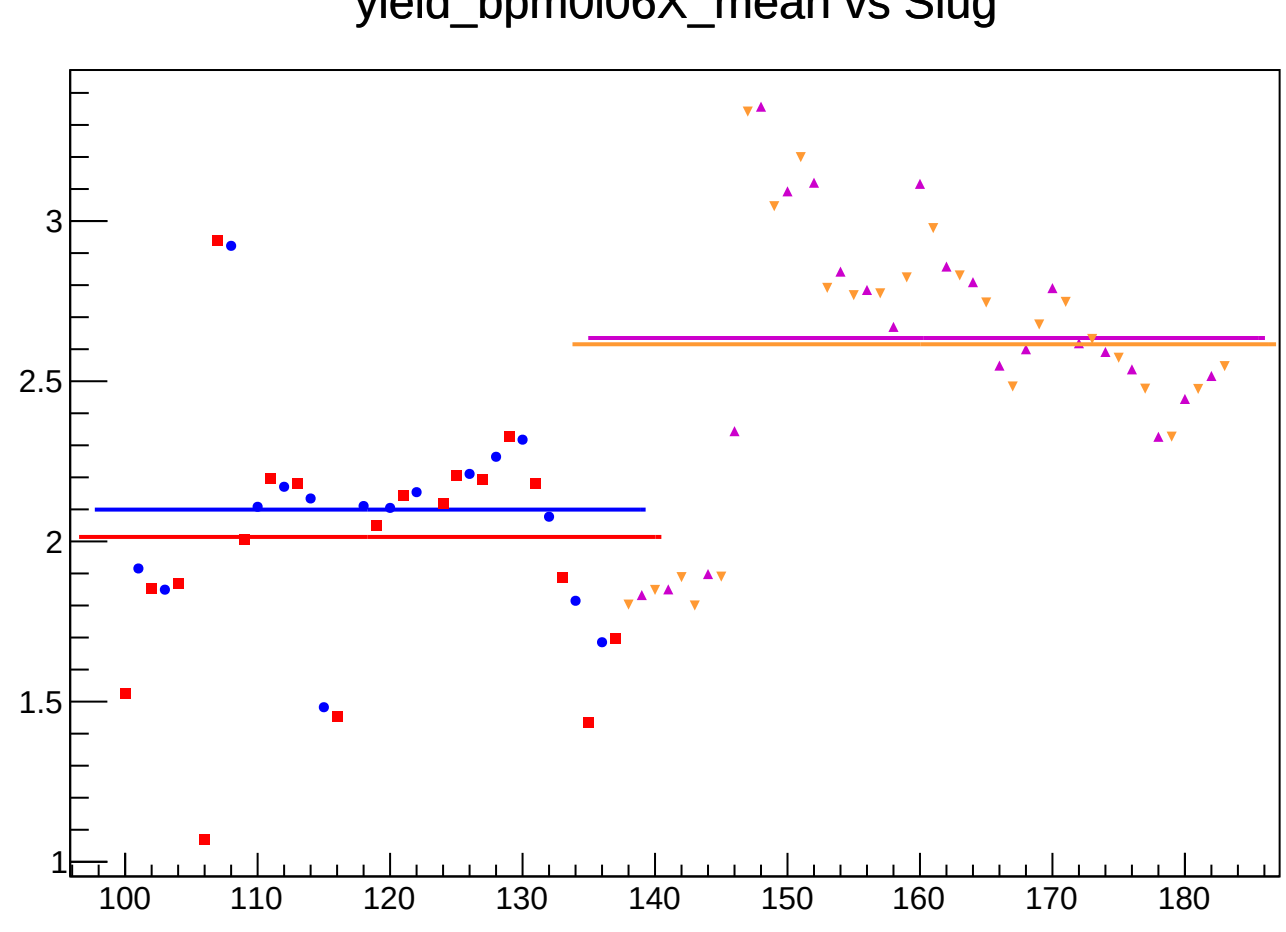
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:814244.4/21

+ sign 0.006+/-0.000 χ^2/NDF: 2981323.4/39

All: 0.006+/-0.000 χ^2/NDF: 5795359.0/80

- sign 0.006+/-0.000 χ^2/NDF: 2813991.2/40



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.615+/-0.000 χ^2/NDF:46306723570.3/23

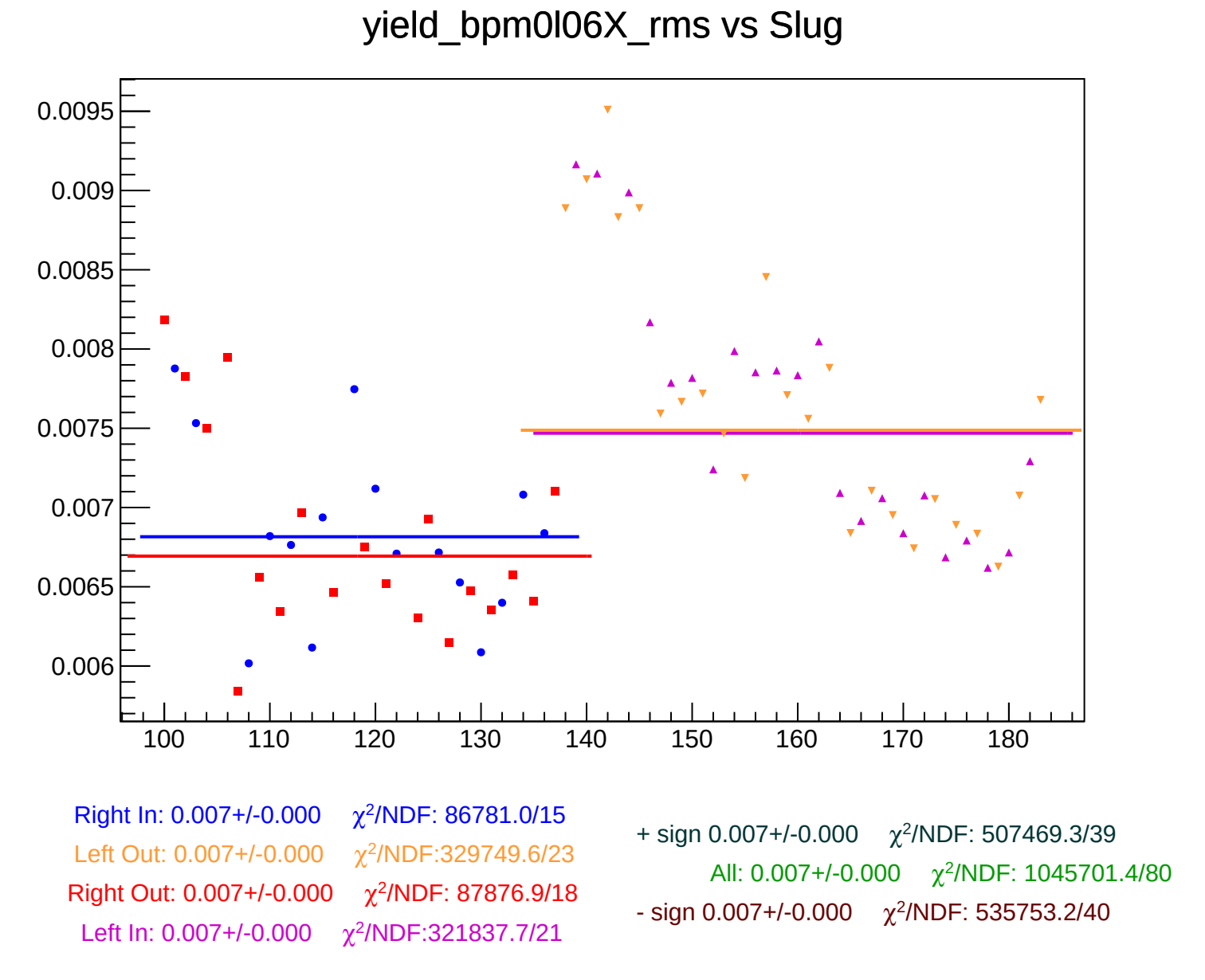
Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

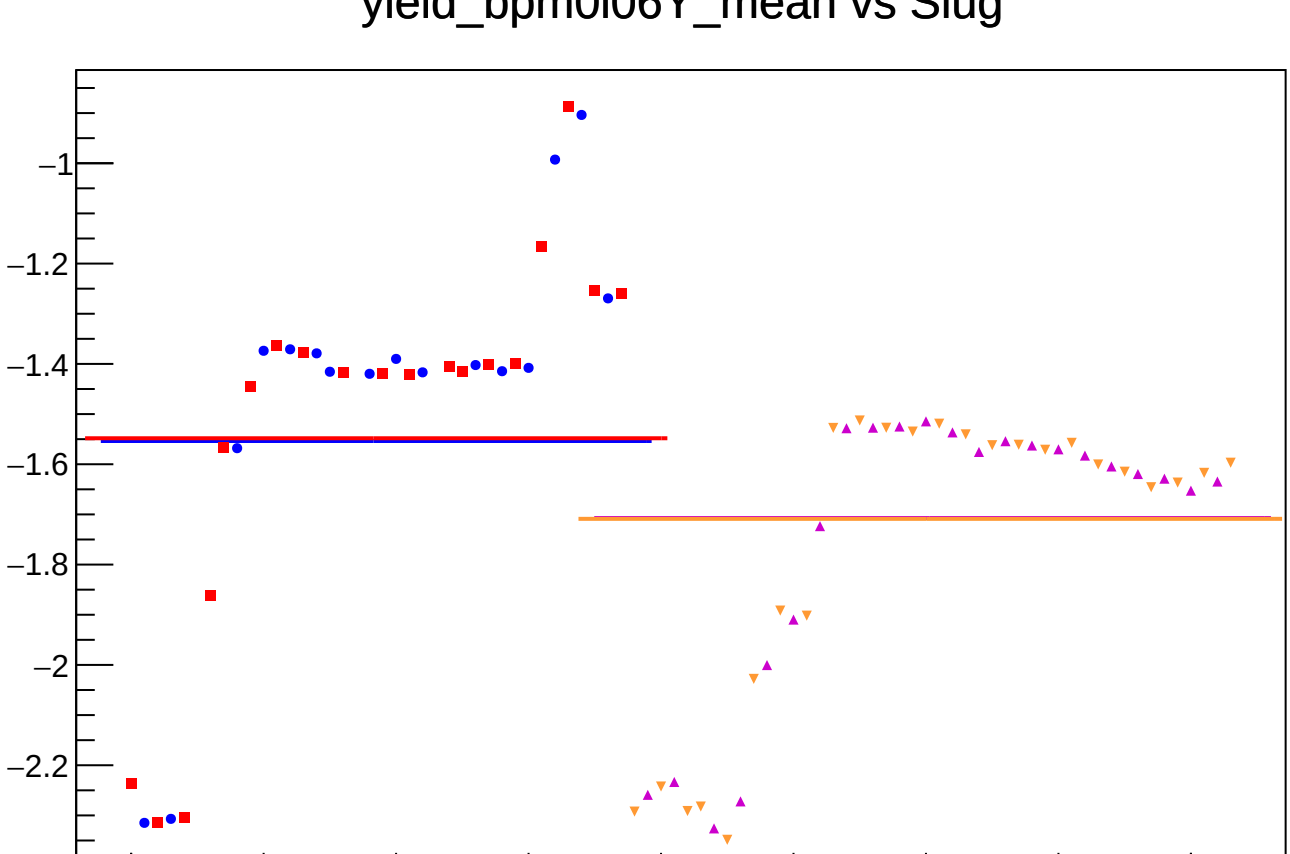
Left In: 2.635+/-0.000 χ^2/NDF:40405884865.9/21

+ sign 2.453+/-0.000 χ^2/NDF: 87041671136.9/39

All: 2.437+/-0.000 χ^2/NDF: 187667250467.1

- sign 2.422+/-0.000 χ^2/NDF: 100405119559.2/40


yield_bpm0l06X_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.000 χ²/NDF: 86781.0/15
Left Out: 0.007+/-0.000 χ²/NDF:329749.6/23
Right Out: 0.007+/-0.000 χ²/NDF: 87876.9/18
Left In: 0.007+/-0.000 χ²/NDF:321837.7/21
+ sign 0.007+/-0.000 χ²/NDF: 507469.3/39
All: 0.007+/-0.000 χ²/NDF: 1045701.4/80
- sign 0.007+/-0.000 χ²/NDF: 535753.2/40



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.709+/-0.000 χ^2/NDF:151493101798.9/23

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

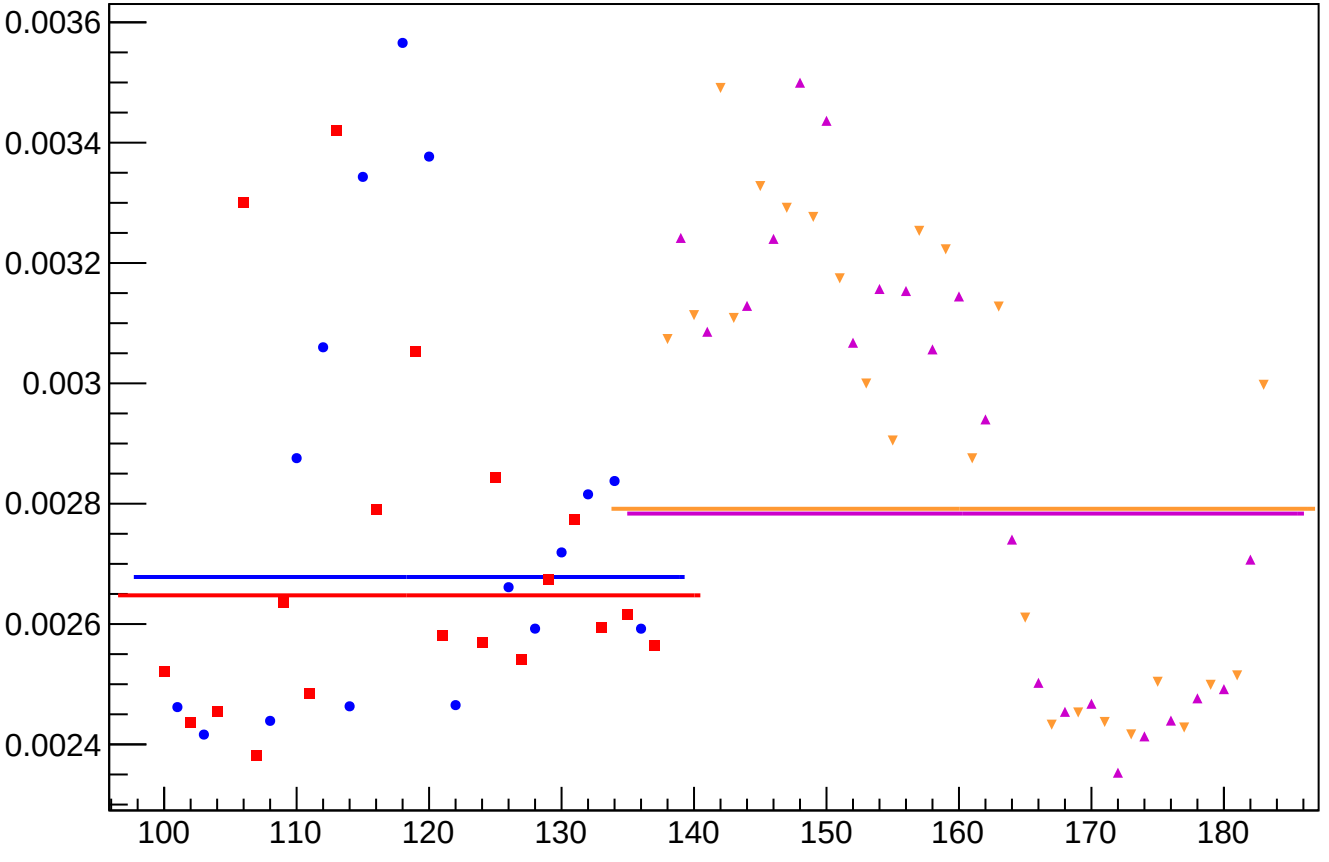
Left In: -1.707+/-0.000 χ^2/NDF:136097270453.3/21

+ sign -1.663+/-0.000 χ^2/NDF: 342623933308.6/39

All: -1.660+/-0.000 χ^2/NDF: 670830633891.4

- sign -1.657+/-0.000 χ^2/NDF: 328138799998.8/40

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:536620.1/23

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

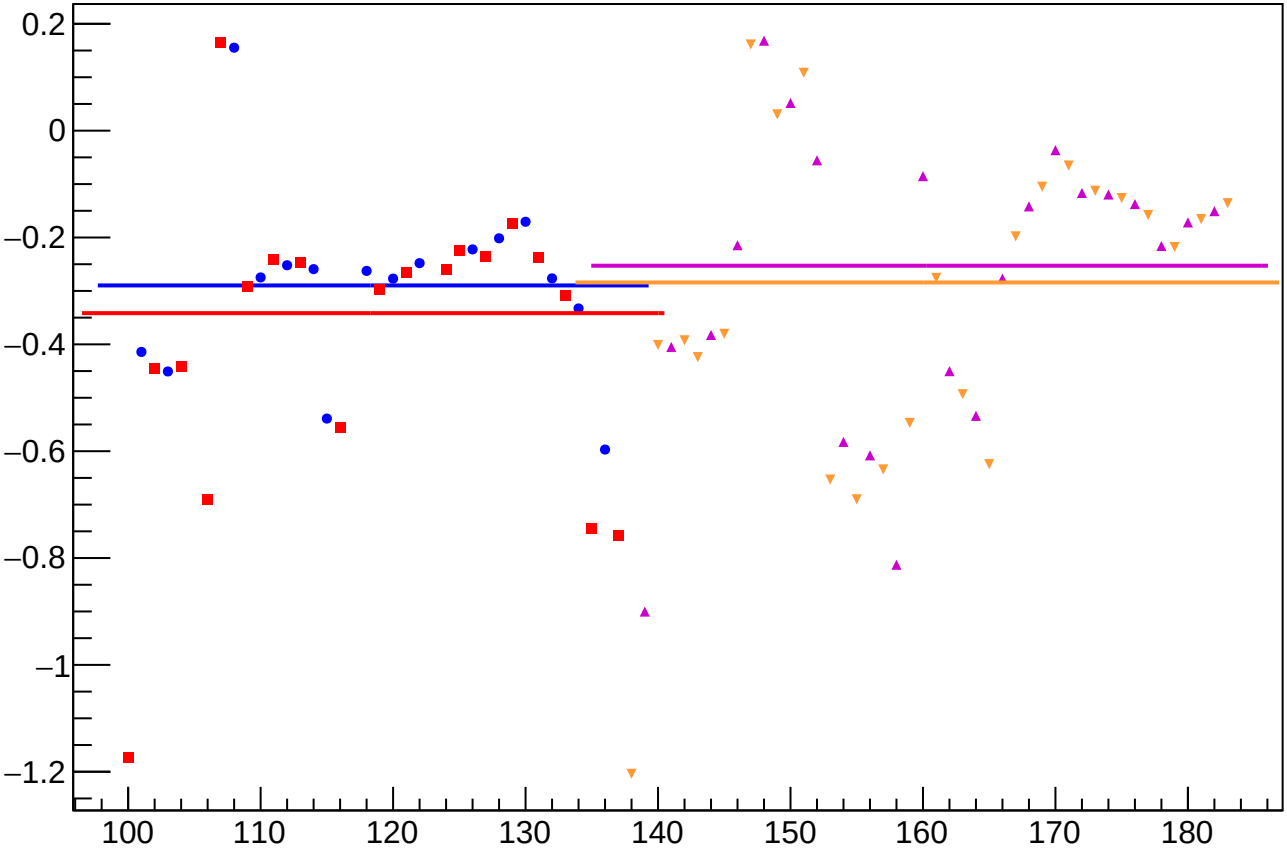
Left In: 0.003+/-0.000 χ^2/NDF:557031.1/21

+ sign 0.003+/-0.000 χ^2/NDF: 711530.9/39

All: 0.003+/-0.000 χ^2/NDF: 1410996.4/80

- sign 0.003+/-0.000 χ^2/NDF: 698459.0/40

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.284+/-0.000 χ^2/NDF:9325973066.1/23

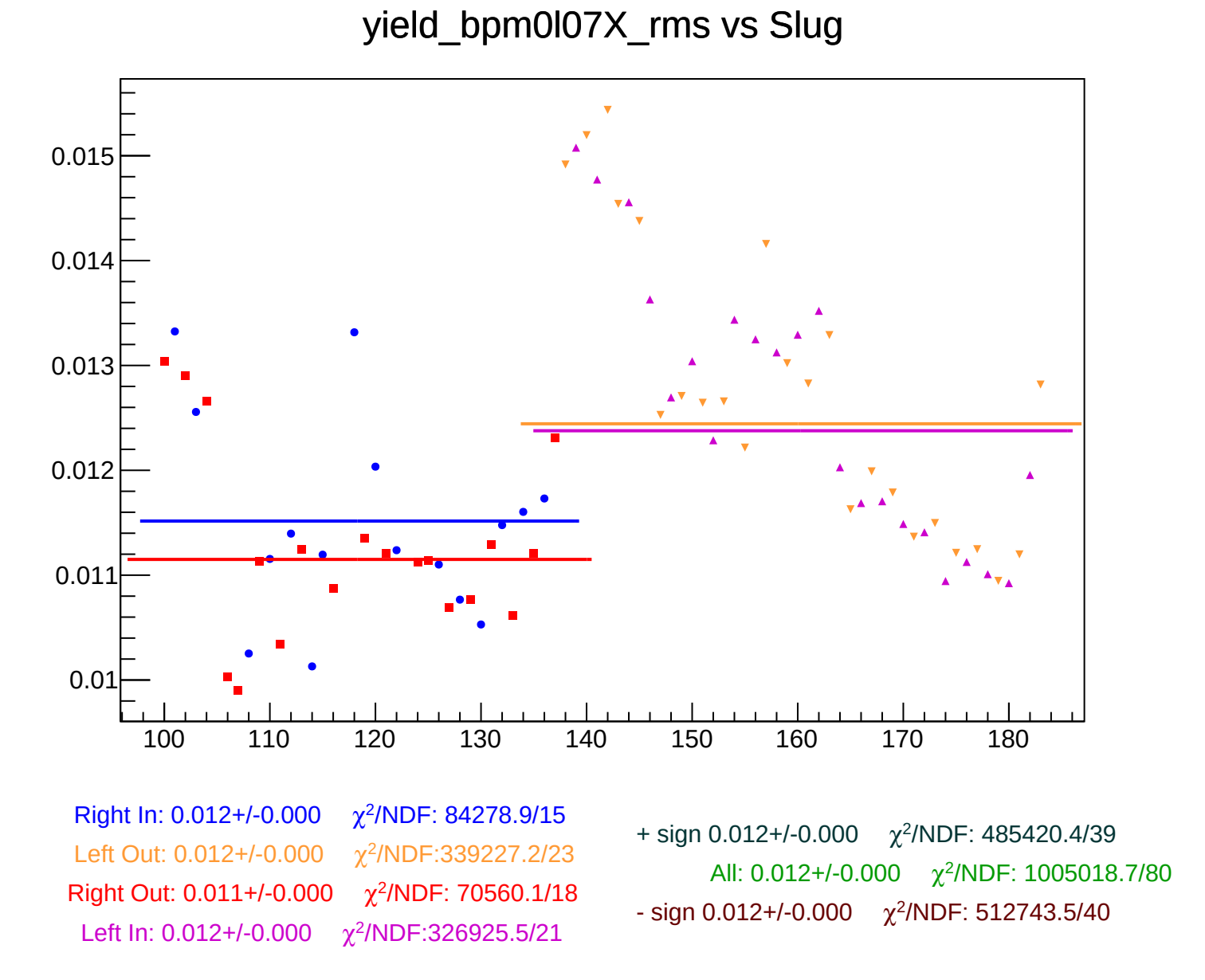
Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

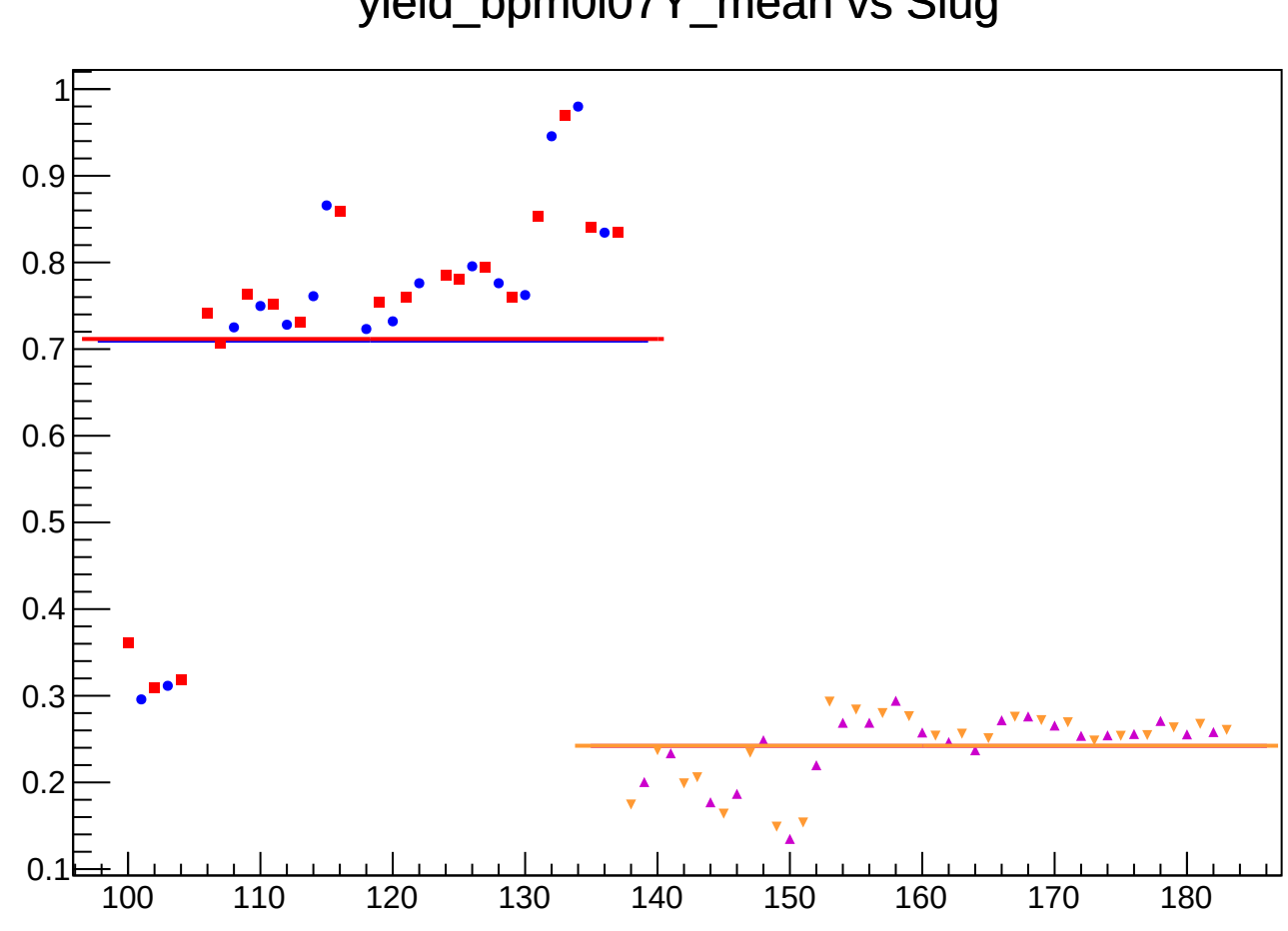
Left In: -0.253+/-0.000 χ^2/NDF:7155742272.7/21

+ sign -0.286+/-0.000 χ^2/NDF: 10972264374.4/39

All: -0.285+/-0.000 χ^2/NDF: 21039388595.8/

- sign -0.283+/-0.000 χ^2/NDF: 10066579780.7/40


yield_bpm0l07X_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.012+/-0.000 χ²/NDF: 84278.9/15
Left Out: 0.012+/-0.000 χ²/NDF:339227.2/23
Right Out: 0.011+/-0.000 χ²/NDF: 70560.1/18
Left In: 0.012+/-0.000 χ²/NDF:326925.5/21
+ sign 0.012+/-0.000 χ²/NDF: 485420.4/39
All: 0.012+/-0.000 χ²/NDF: 1005018.7/80
- sign 0.012+/-0.000 χ²/NDF: 512743.5/40



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.242+/-0.000 χ^2/NDF:7230041054.5/23

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

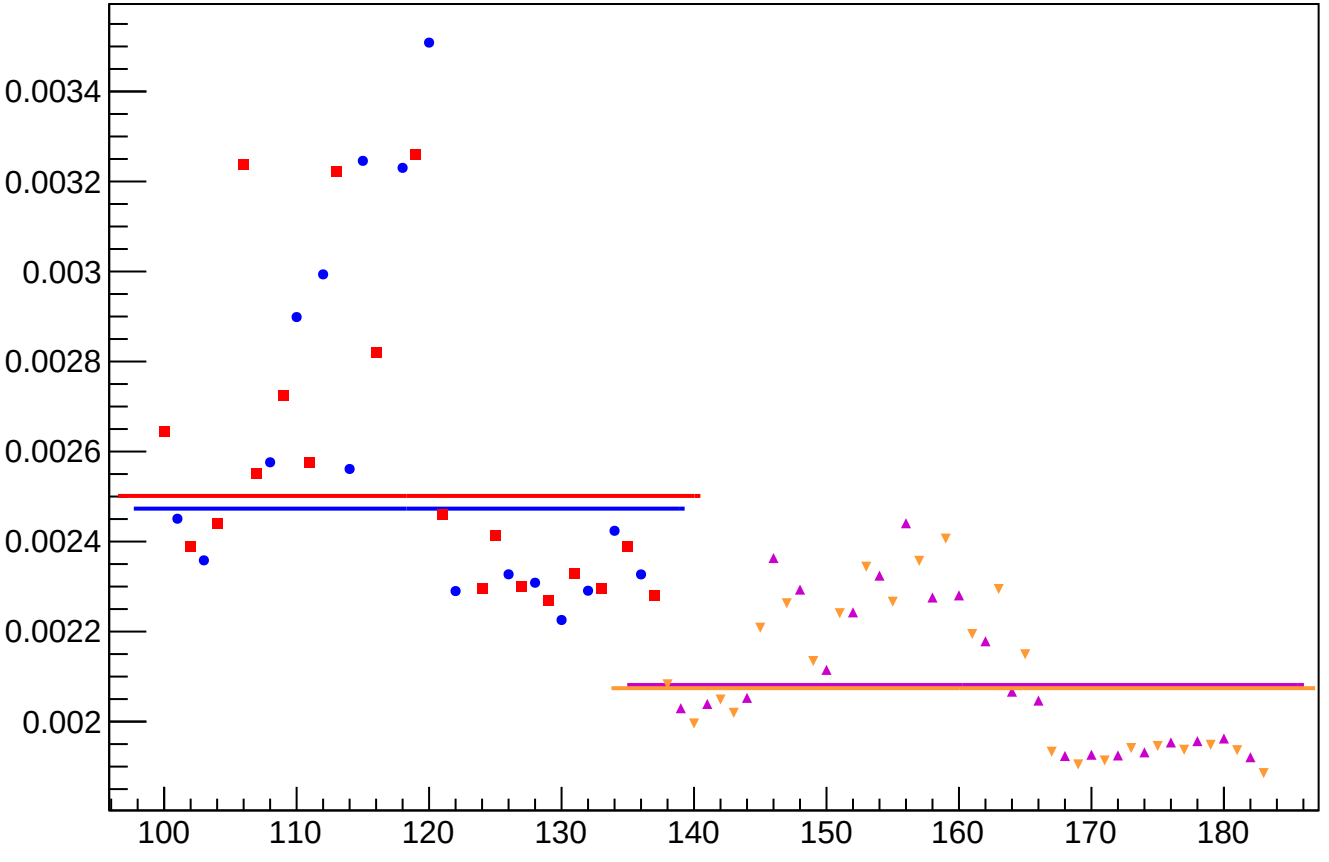
Left In: 0.242+/-0.000 χ^2/NDF:5726751105.6/21

+ sign 0.337+/-0.000 χ^2/NDF: 250251552057.6/39

All: 0.340+/-0.000 χ^2/NDF: 494890627906.5

- sign 0.343+/-0.000 χ^2/NDF: 244549816911.2/40

yield_bpm0l07Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:229020.5/23

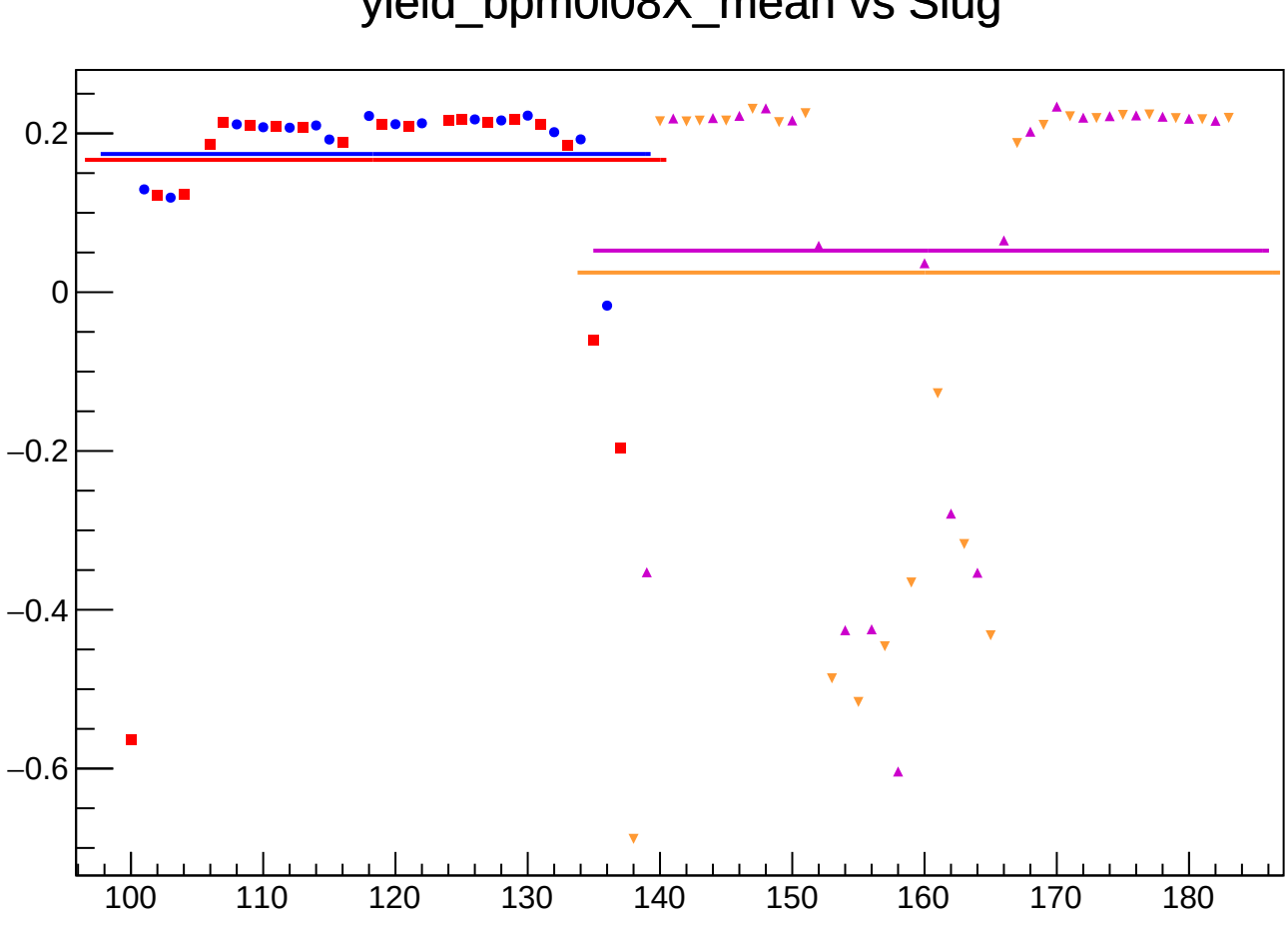
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:206654.3/21

+ sign 0.002+/-0.000 χ^2/NDF: 719888.9/39

All: 0.002+/-0.000 χ^2/NDF: 1416934.8/80

- sign 0.002+/-0.000 χ^2/NDF: 695611.1/40



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:12911139256.0/23

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

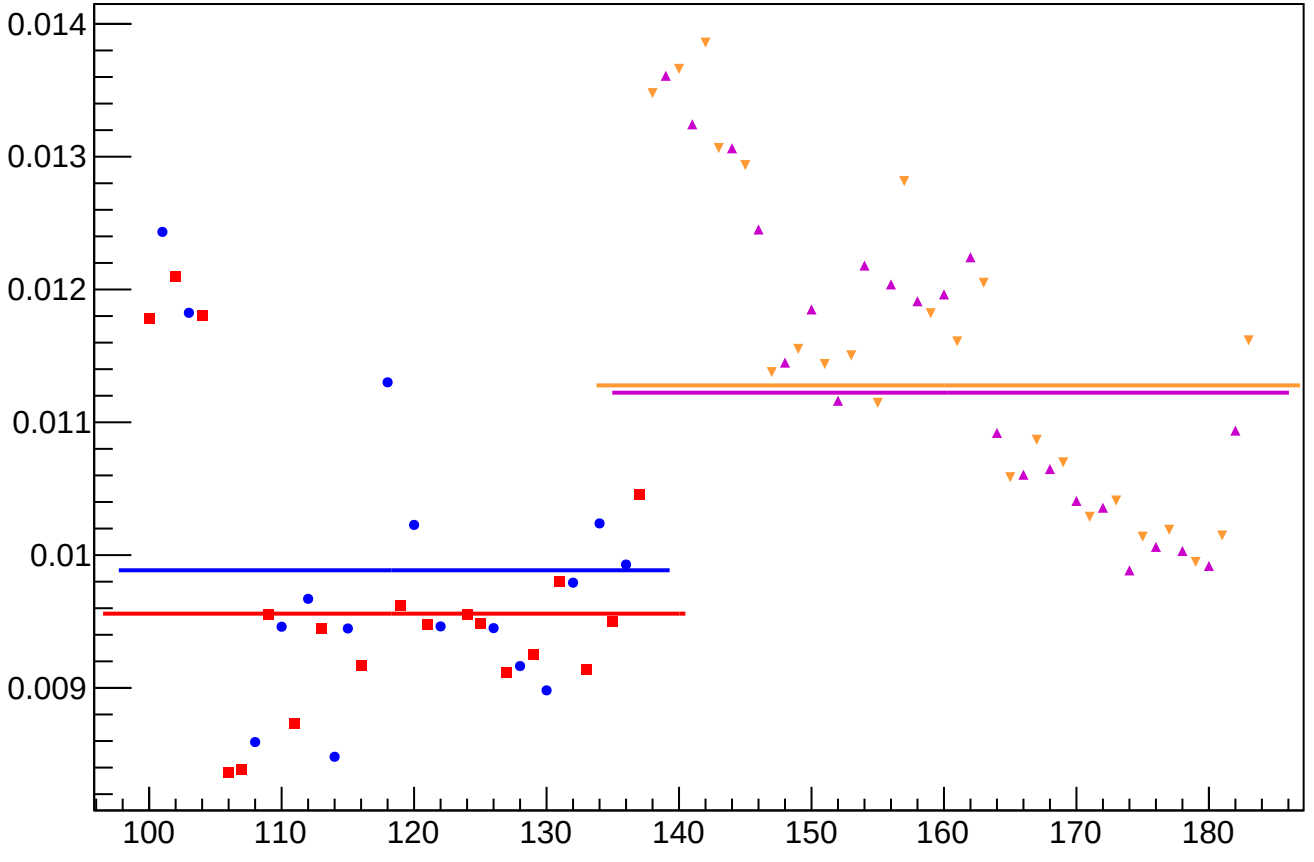
Left In: 0.052+/-0.000 χ^2/NDF:9649184949.5/21

+ sign 0.074+/-0.000 χ^2/NDF: 14360145199.1/39

All: 0.084+/-0.000 χ^2/NDF: 25598950061.5/8

- sign 0.094+/-0.000 χ^2/NDF: 11194978403.0/40

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.011+/-0.000 χ^2/NDF:326326.4/23

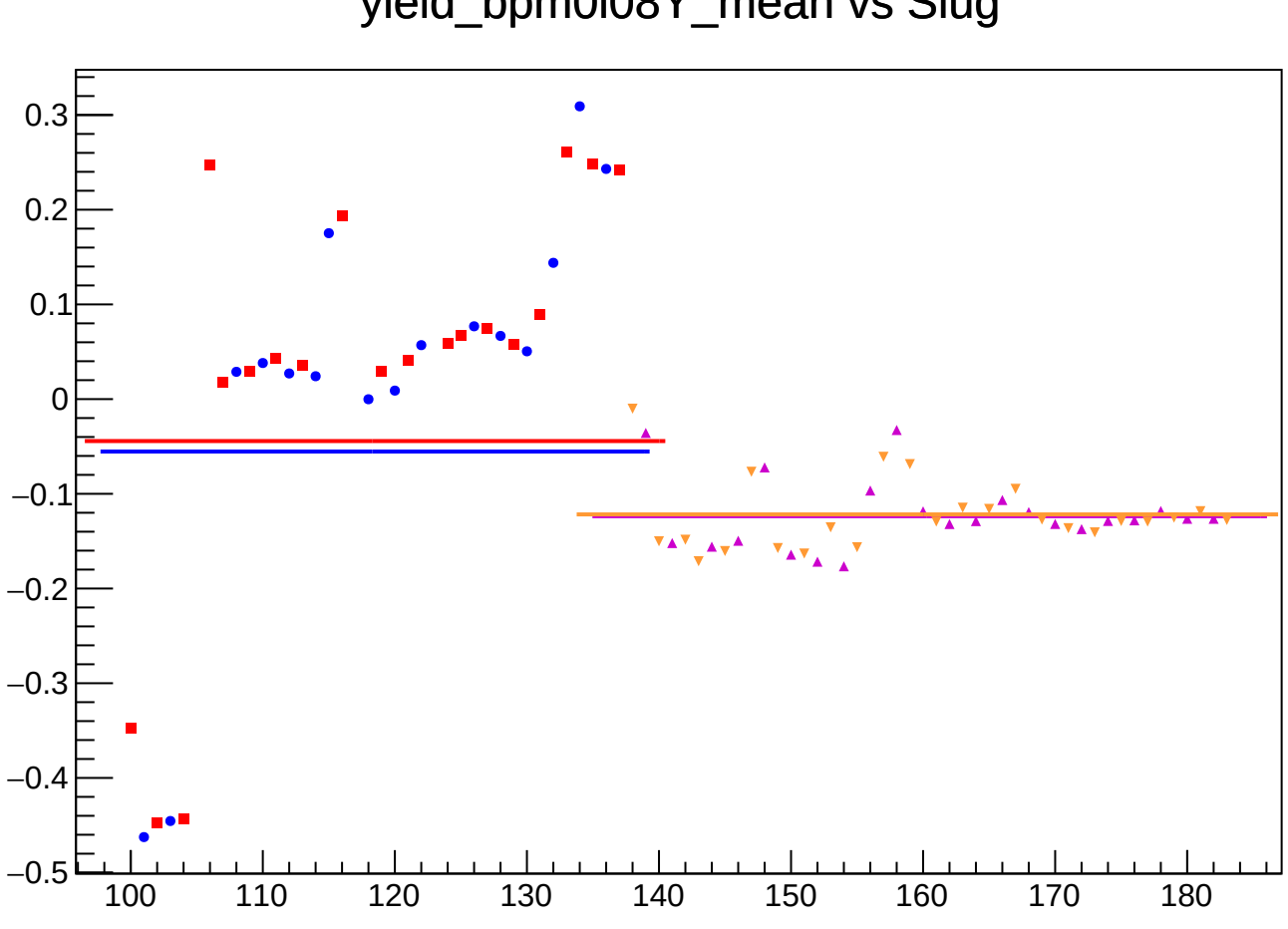
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:315244.9/21

+ sign 0.011+/-0.000 χ^2/NDF: 656896.0/39

All: 0.011+/-0.000 χ^2/NDF: 1393332.3/80

- sign 0.011+/-0.000 χ^2/NDF: 727411.0/40



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.122+/-0.000 χ^2/NDF:2922511134.4/23

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

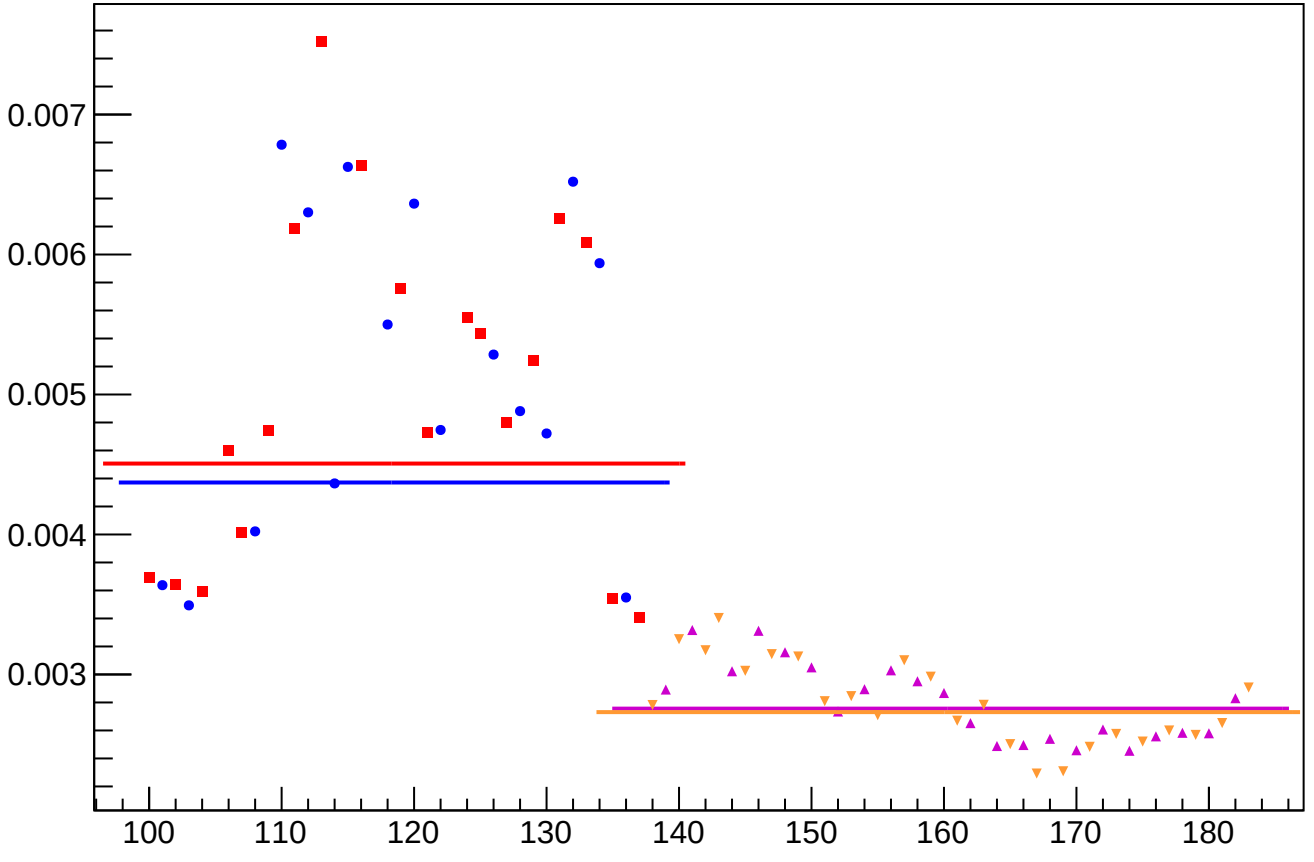
Left In: -0.124+/-0.000 χ^2/NDF:2809105094.3/21

+ sign -0.114+/-0.000 χ^2/NDF: 28248814224.3/39

All: -0.114+/-0.000 χ^2/NDF: 54934284509.9/

- sign -0.114+/-0.000 χ^2/NDF: 26685463017.0/40

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:390272.9/23

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

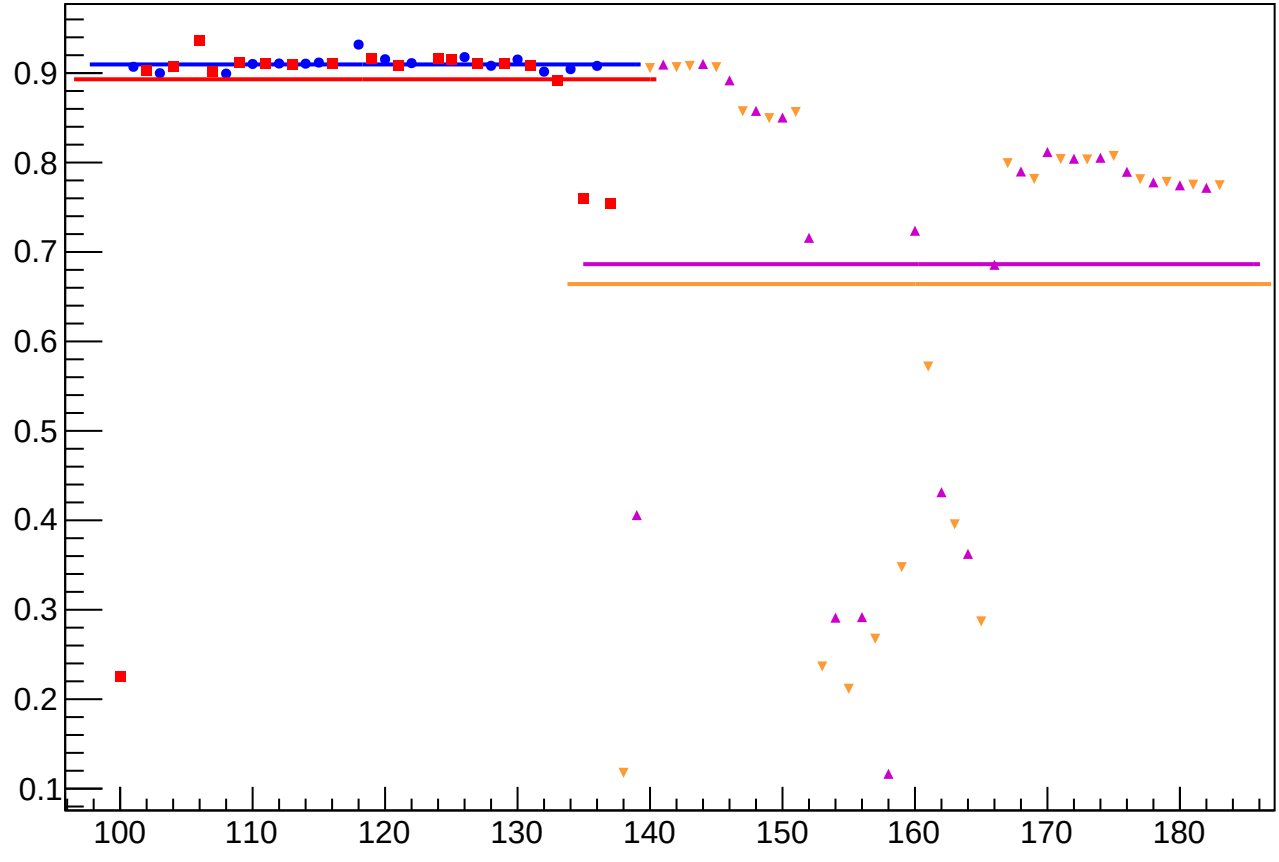
Left In: 0.003+/-0.000 χ^2/NDF:293100.9/21

+ sign 0.003+/-0.000 χ^2/NDF: 2569198.1/39

All: 0.003+/-0.000 χ^2/NDF: 5265540.3/80

- sign 0.003+/-0.000 χ^2/NDF: 2689986.2/40

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.664+/-0.000 χ^2/NDF:9191052128.2/23

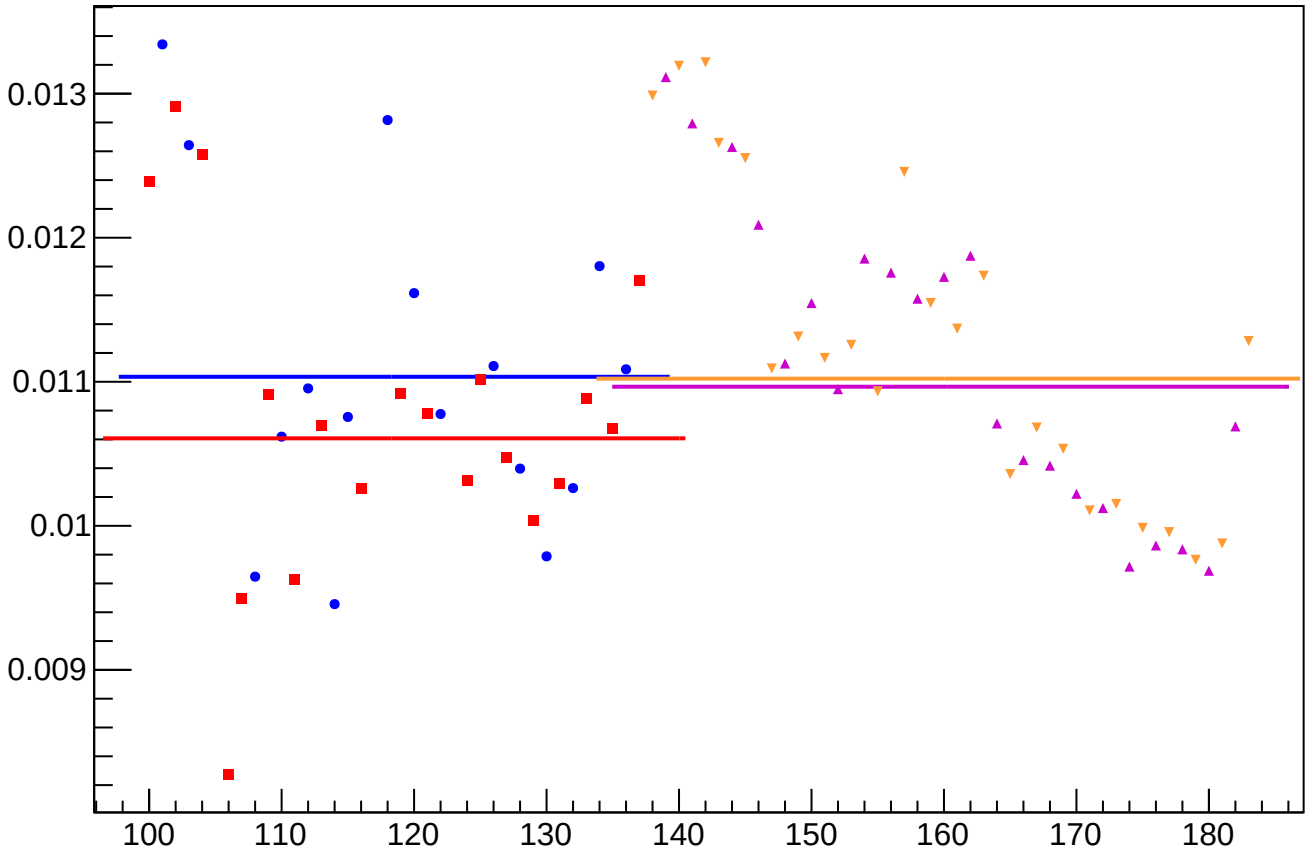
Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.686+/-0.000 χ^2/NDF:6982915156.7/21

+ sign 0.731+/-0.000 χ^2/NDF: 11662863431.4/39

All: 0.741+/-0.000 χ^2/NDF: 20899830520.2/8

- sign 0.750+/-0.000 χ^2/NDF: 9199888531.1/40



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:297955.9/23

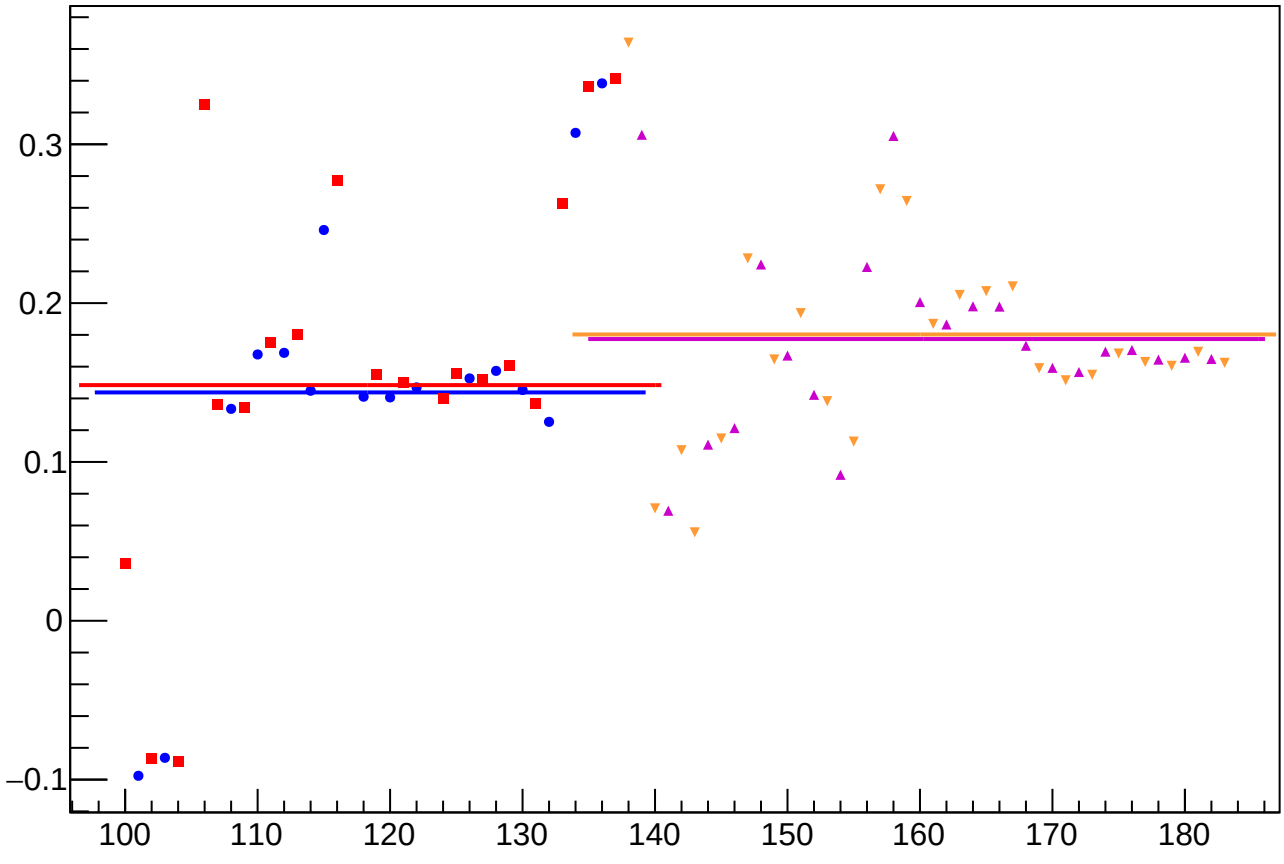
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/21

+ sign 0.011+/-0.000 χ^2/NDF: 428322.6/39

All: 0.011+/-0.000 χ^2/NDF: 877280.9/80

- sign 0.011+/-0.000 χ^2/NDF: 442958.8/40



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.180+/-0.000 χ^2/NDF:6444164600.7/23

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

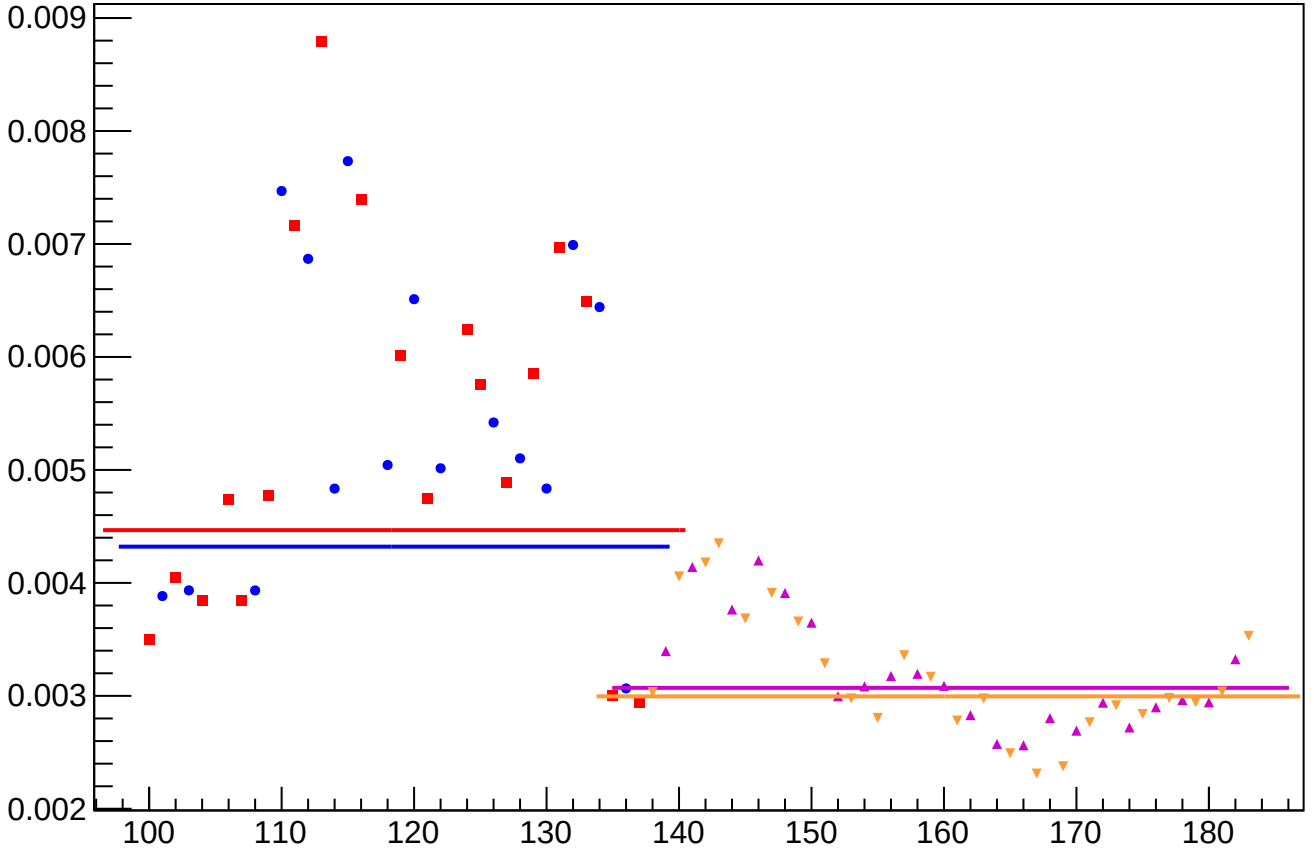
Left In: 0.177+/-0.000 χ^2/NDF:4617252965.5/21

+ sign 0.175+/-0.000 χ^2/NDF: 14664089555.3/39

All: 0.174+/-0.000 χ^2/NDF: 26628577012.5/8

- sign 0.173+/-0.000 χ^2/NDF: 11959641673.5/40

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:876766.8/23

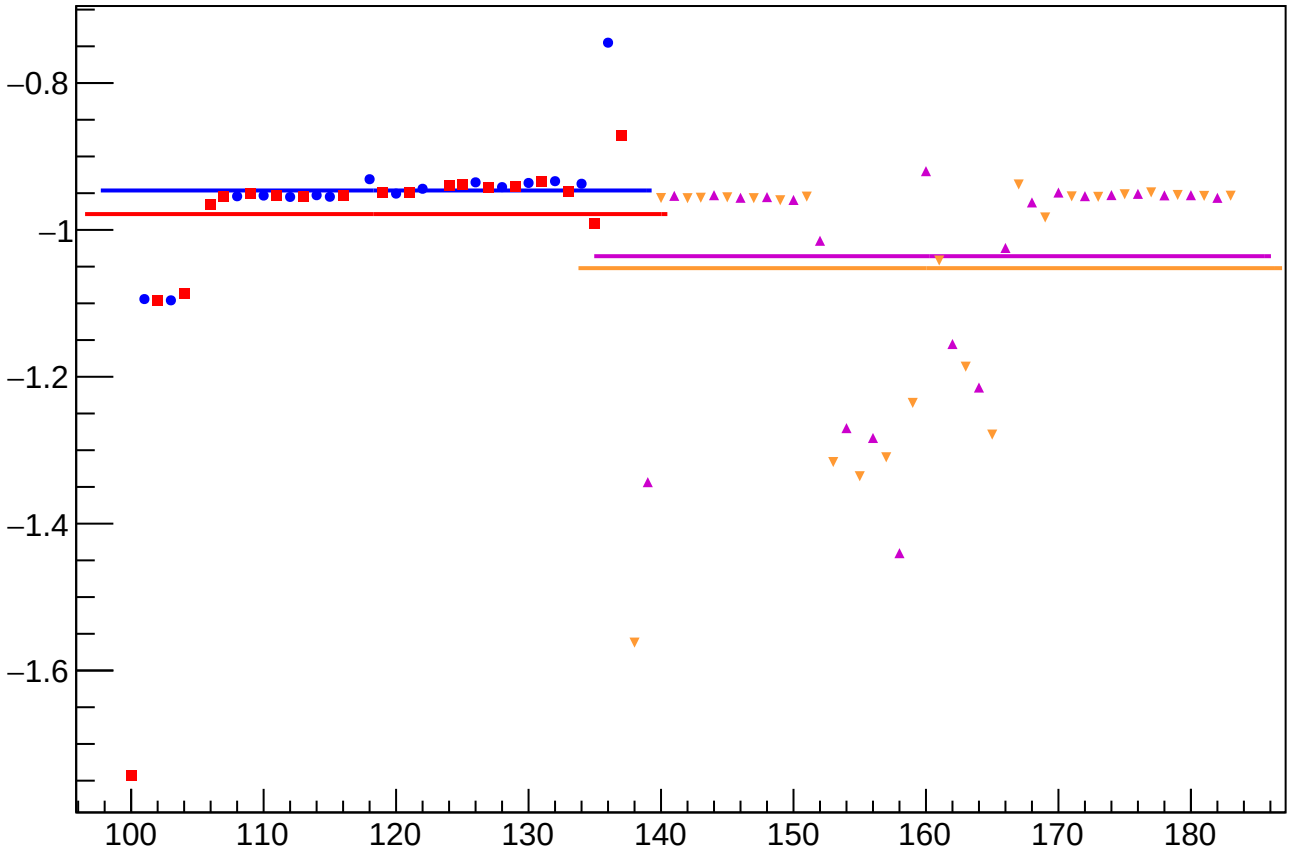
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:586919.3/21

+ sign 0.003+/-0.000 χ^2/NDF: 2685291.8/39

All: 0.003+/-0.000 χ^2/NDF: 5369297.3/80

- sign 0.003+/-0.000 χ^2/NDF: 2663686.8/40



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.052+/-0.000 χ^2/NDF:5059116039.8/23

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

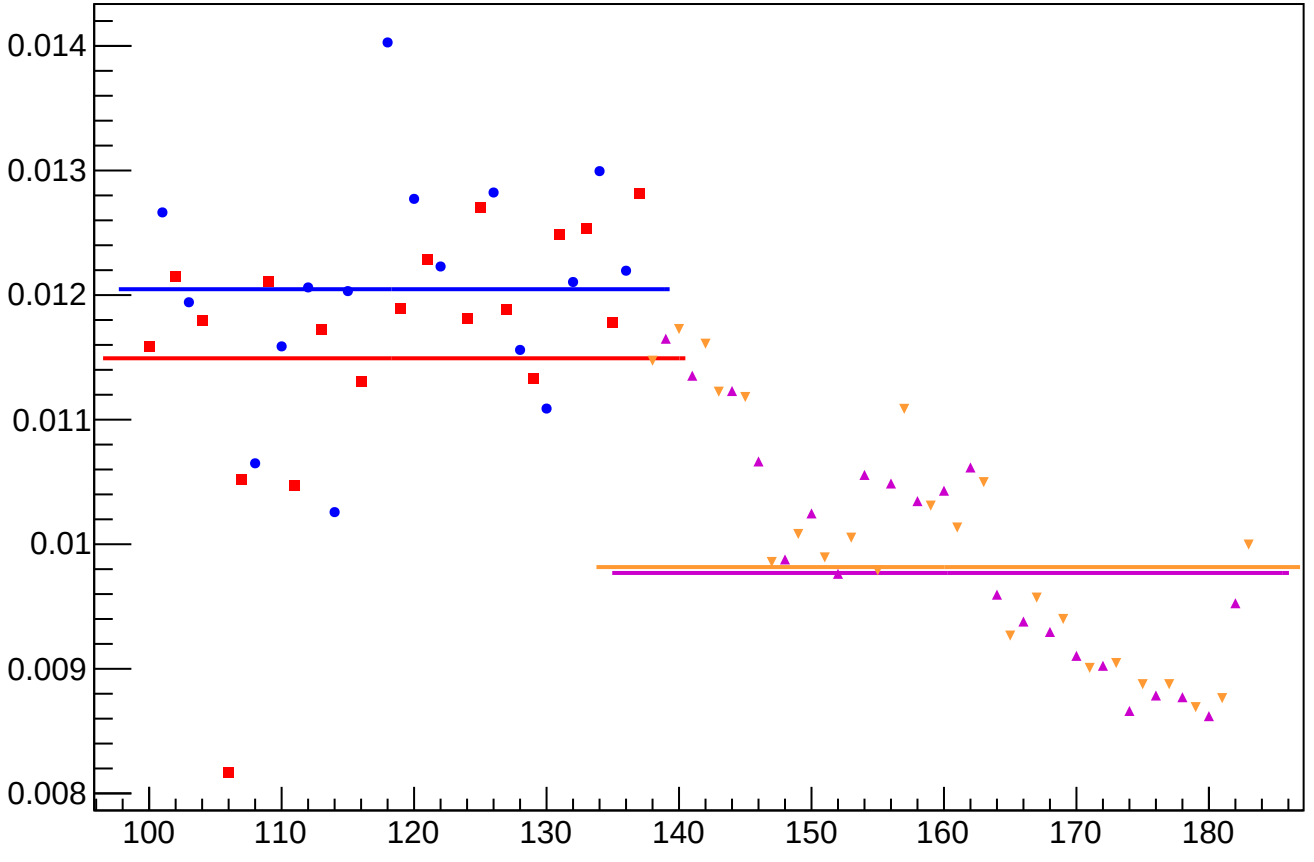
Left In: -1.036+/-0.000 χ^2/NDF:3907528039.3/21

+ sign -1.031+/-0.000 χ^2/NDF: 5887322130.7/39

All: -1.027+/-0.000 χ^2/NDF: 10401319088.0/

- sign -1.023+/-0.000 χ^2/NDF: 4505759171.8/40

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:292656.1/23

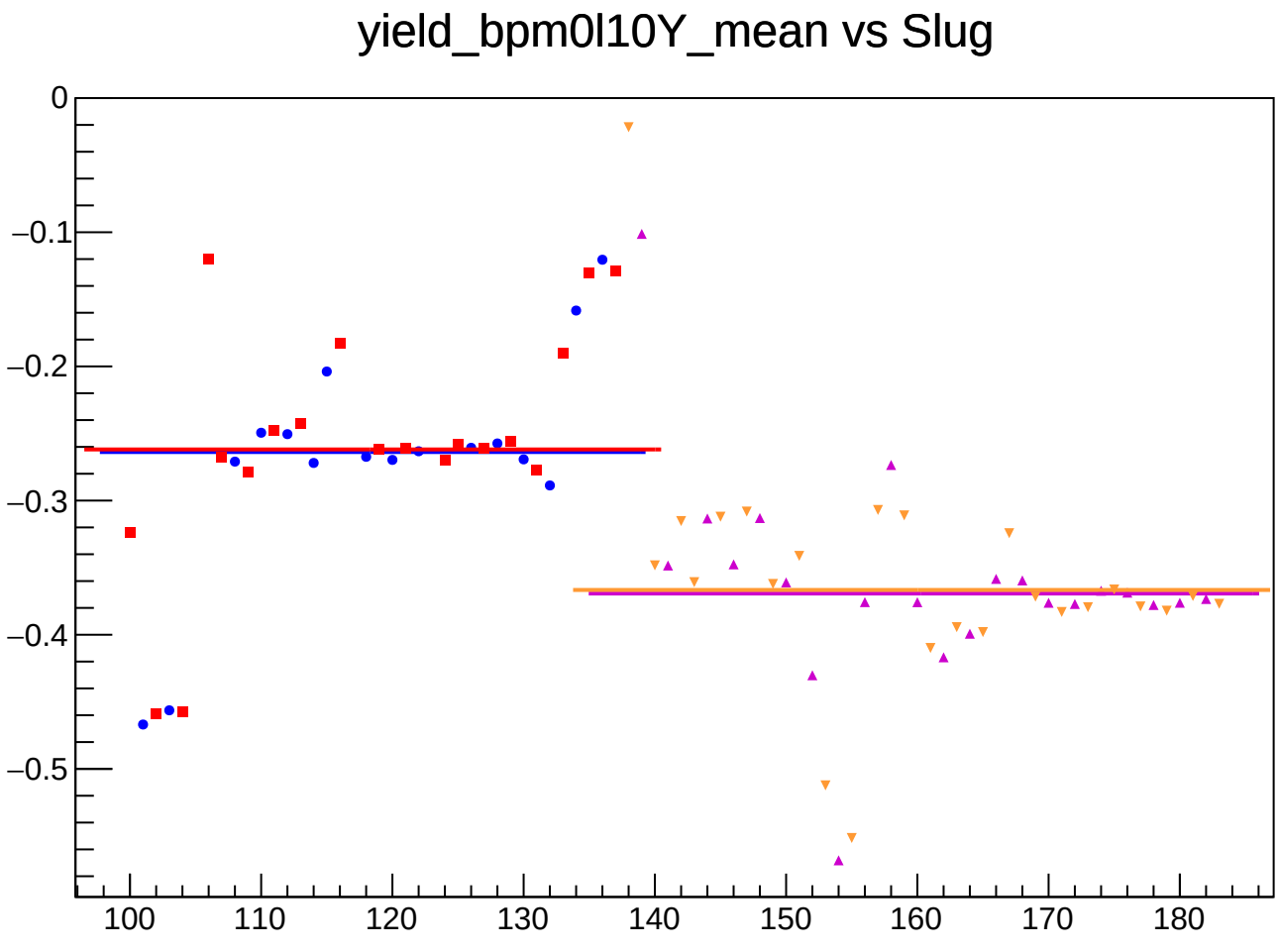
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:281809.9/21

+ sign 0.010+/-0.000 χ^2/NDF: 731956.5/39

All: 0.010+/-0.000 χ^2/NDF: 1414996.0/80

- sign 0.010+/-0.000 χ^2/NDF: 680858.7/40



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.367+/-0.000 χ^2/NDF:11944392968.5/23

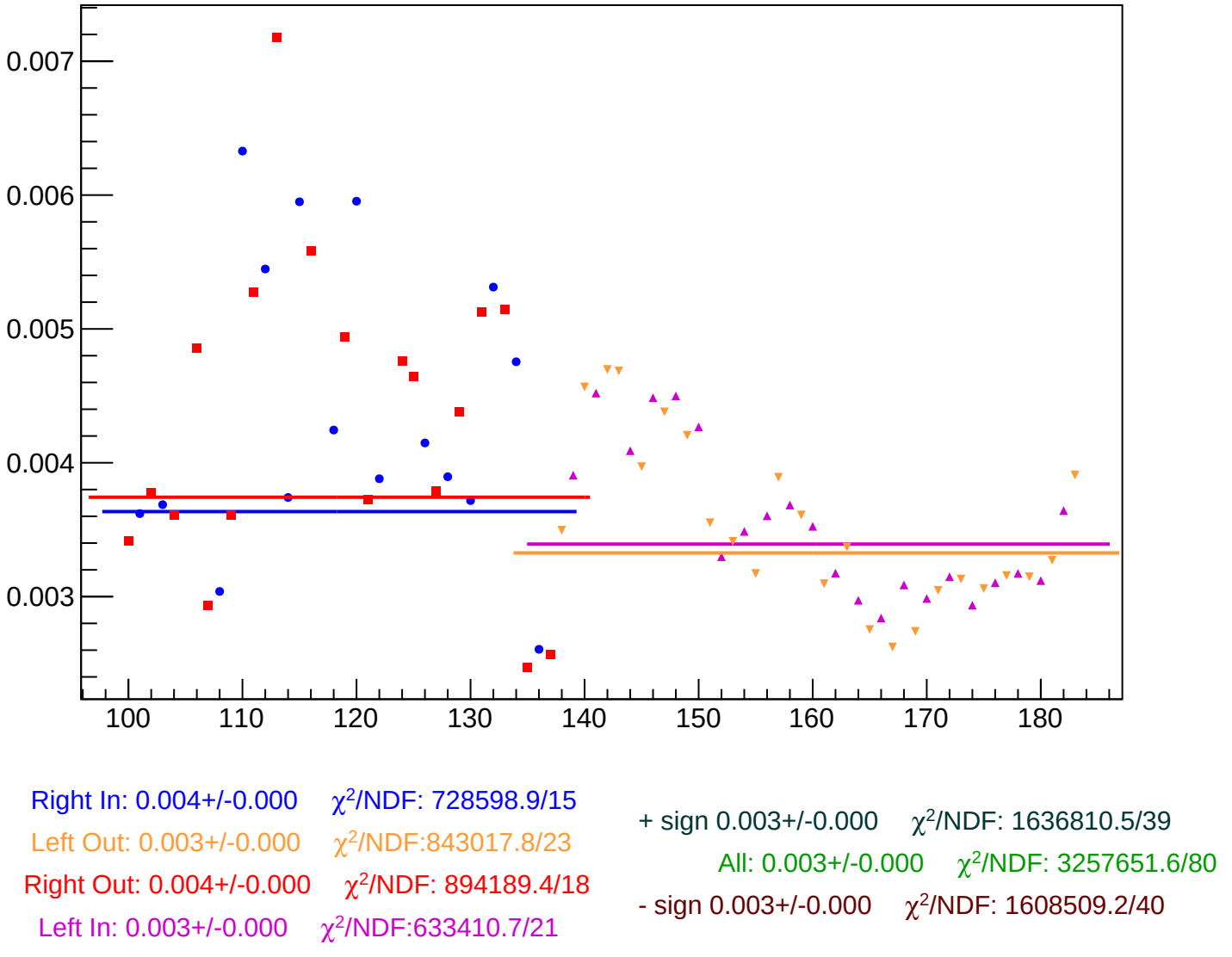
Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

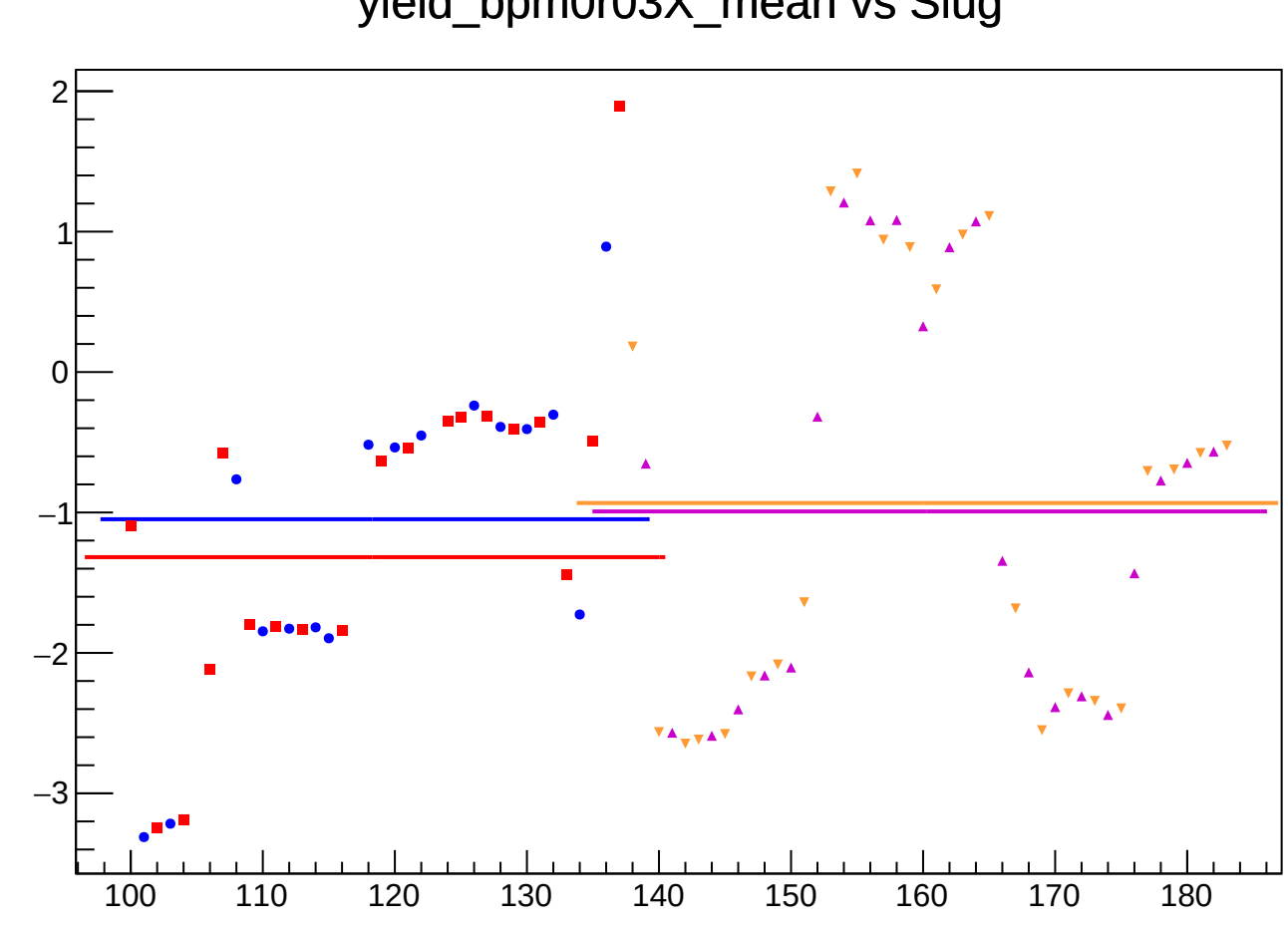
Left In: -0.369+/-0.000 χ^2/NDF:7580969282.5/21

+ sign -0.344+/-0.000 χ^2/NDF: 21658659825.9/39

All: -0.344+/-0.000 χ^2/NDF: 38294279407.2/

- sign -0.344+/-0.000 χ^2/NDF: 16635604592.4/40


yield_bpm0l10Y_rms vs Slug
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
170
180
Right In: 0.004+/-0.000 χ²/NDF: 728598.9/15
Left Out: 0.003+/-0.000 χ²/NDF:843017.8/23
Right Out: 0.004+/-0.000 χ²/NDF: 894189.4/18
Left In: 0.003+/-0.000 χ²/NDF:633410.7/21
+ sign 0.003+/-0.000 χ²/NDF: 1636810.5/39
All: 0.003+/-0.000 χ²/NDF: 3257651.6/80
- sign 0.003+/-0.000 χ²/NDF: 1608509.2/40



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.932+/-0.000 χ^2/NDF:7241025435.1/23

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

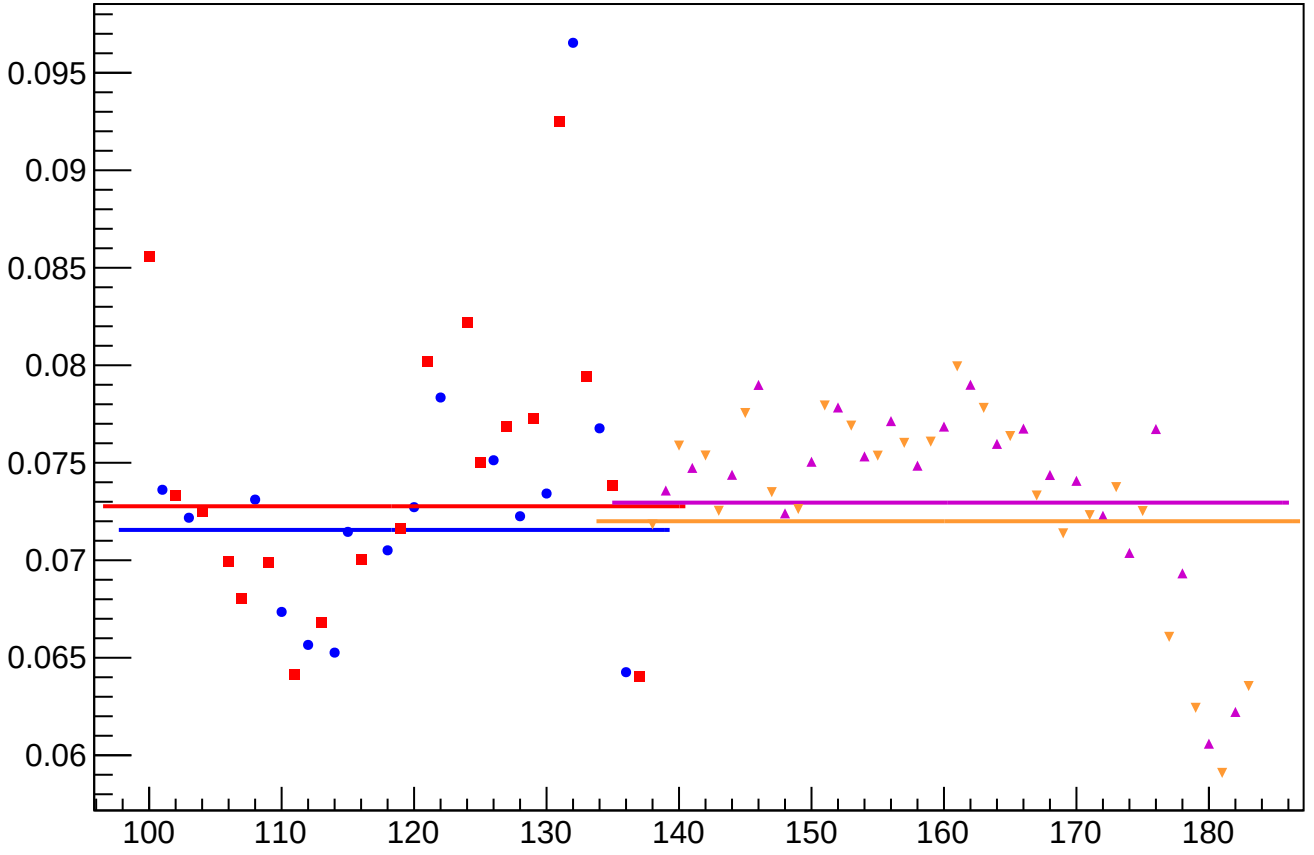
Left In: -0.993+/-0.000 χ^2/NDF:5903922560.7/21

+ sign -0.964+/-0.000 χ^2/NDF: 9601308144.9/39

All: -1.024+/-0.000 χ^2/NDF: 17492868288.9/

- sign -1.088+/-0.000 χ^2/NDF: 7854671622.8/40

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.072+/-0.000 χ^2/NDF:233231.2/23

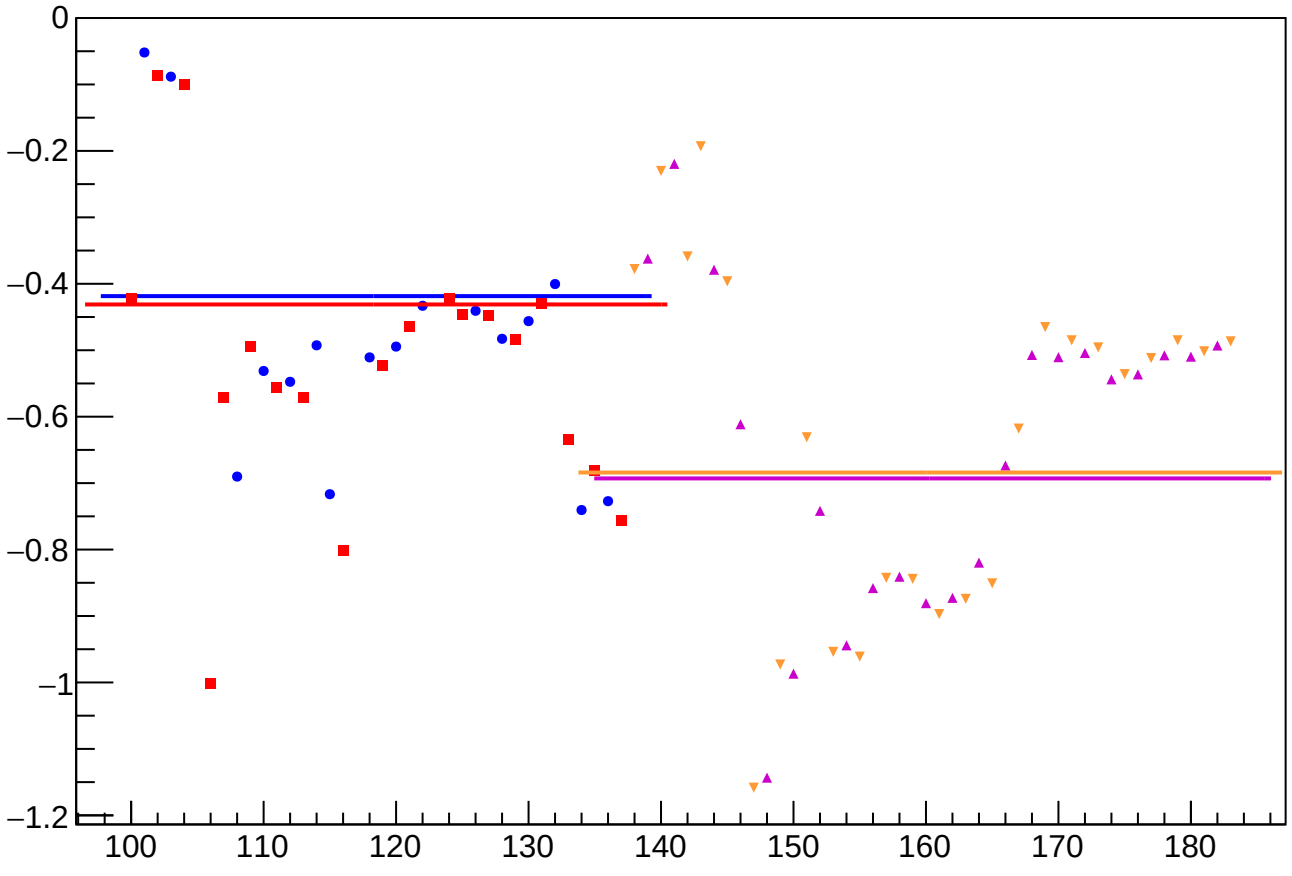
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.073+/-0.000 χ^2/NDF:178198.0/21

+ sign 0.072+/-0.000 χ^2/NDF: 334863.7/39

All: 0.072+/-0.000 χ^2/NDF: 615044.8/80

- sign 0.073+/-0.000 χ^2/NDF: 275139.1/40



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.684+/-0.000 χ^2/NDF:21679961047.3/23

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

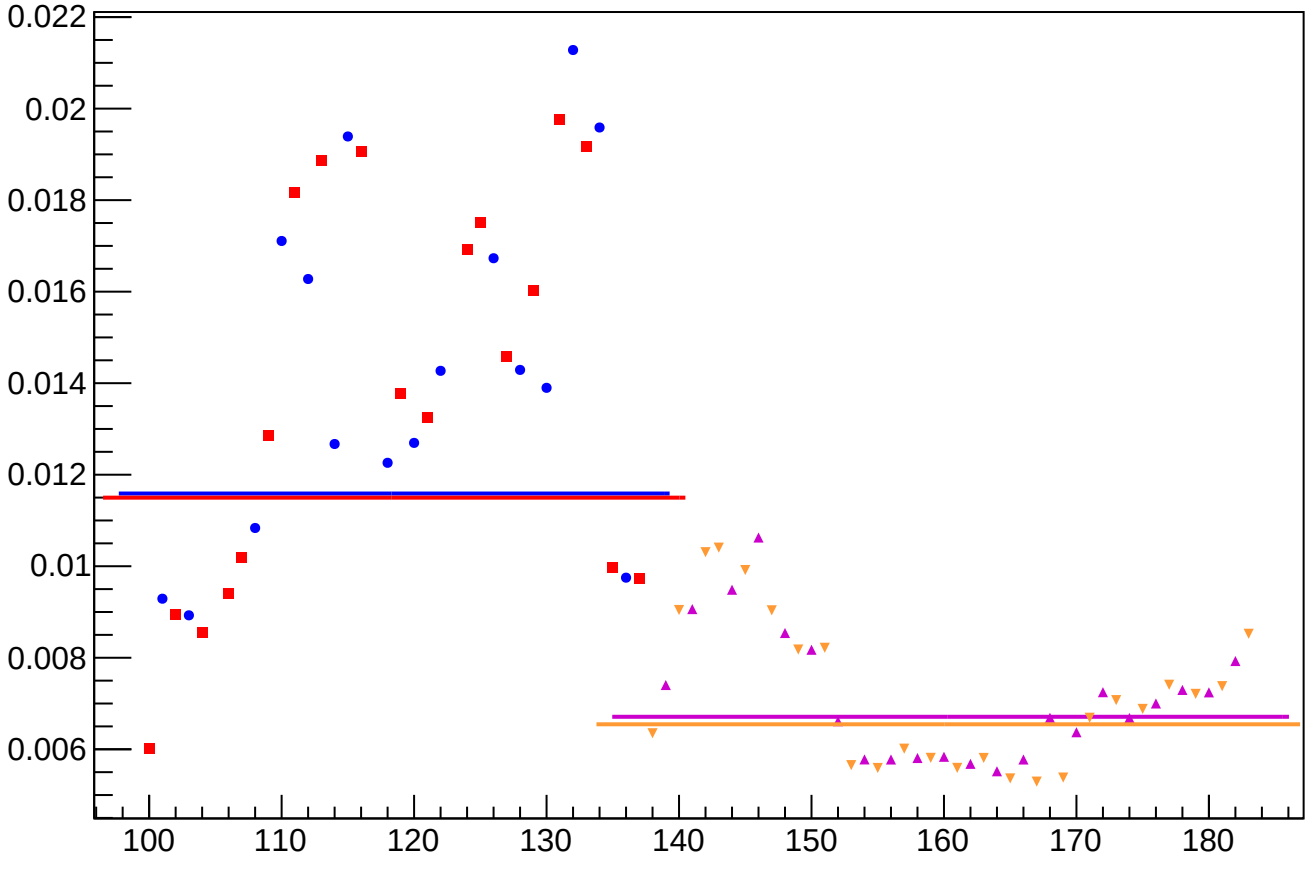
Left In: -0.693+/-0.000 χ^2/NDF:16692694374.1/21

+ sign -0.658+/-0.000 χ^2/NDF: 27570874202.6/39

All: -0.661+/-0.000 χ^2/NDF: 50238381742.7/

- sign -0.664+/-0.000 χ^2/NDF: 22659311029.6/40

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:1386515.4/23

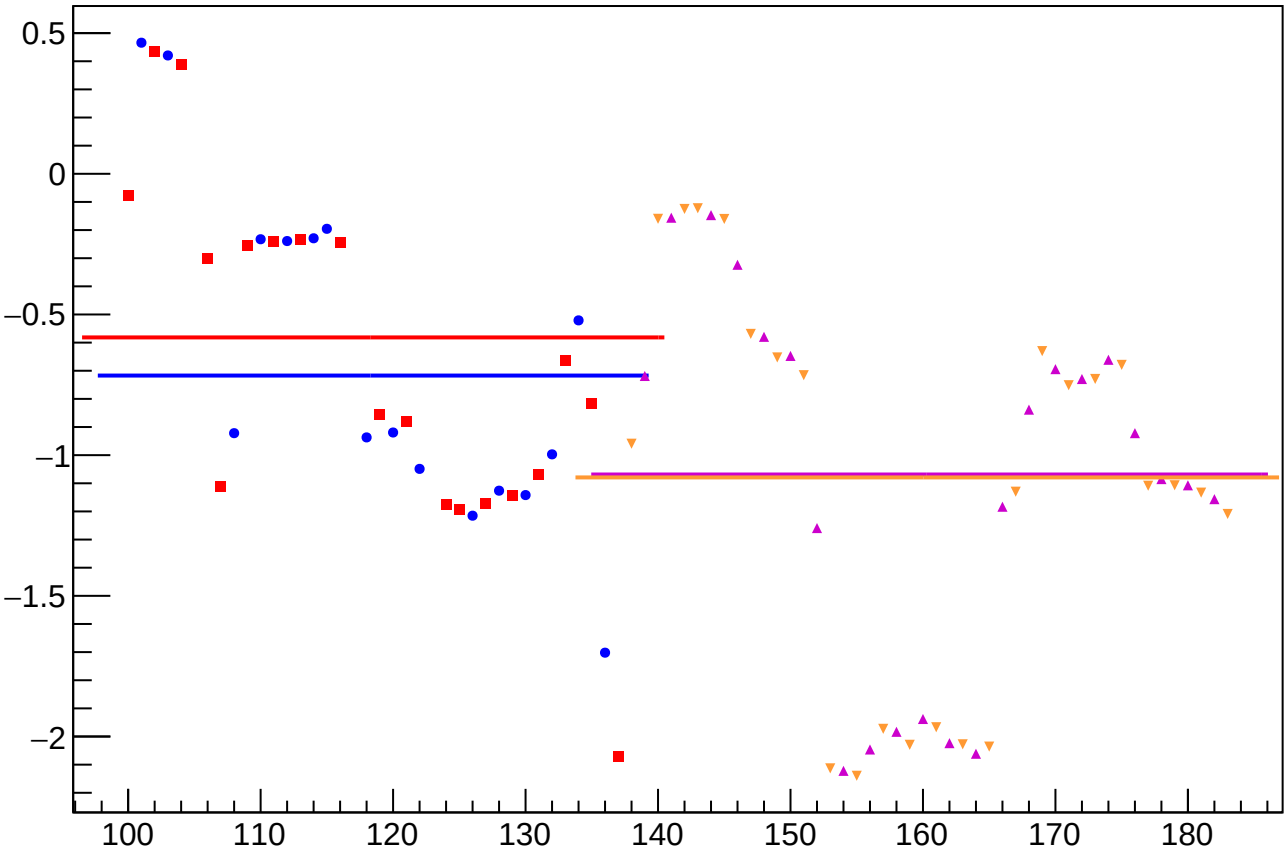
Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:951820.8/21

+ sign 0.007+/-0.000 χ^2/NDF: 4206786.9/39

All: 0.007+/-0.000 χ^2/NDF: 8192562.3/80

- sign 0.007+/-0.000 χ^2/NDF: 3969452.2/40



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.079+/-0.000 χ^2/NDF:1151687175.2/23

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

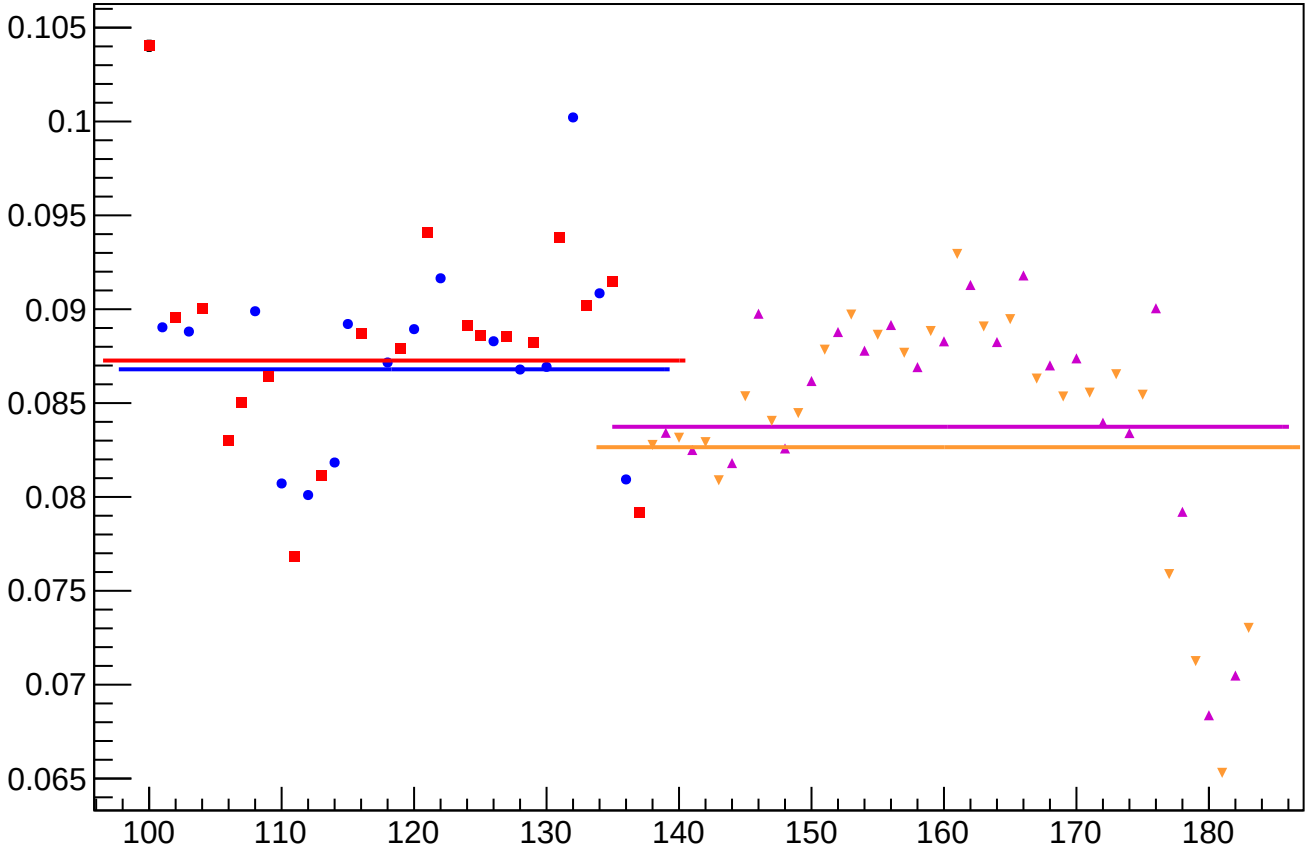
Left In: -1.069+/-0.000 χ^2/NDF:974704869.3/21

+ sign -0.986+/-0.000 χ^2/NDF: 1681928862.0/39

All: -0.961+/-0.000 χ^2/NDF: 3171318153.5/8

- sign -0.933+/-0.000 χ^2/NDF: 1484308006.9/40

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:288497.2/23

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

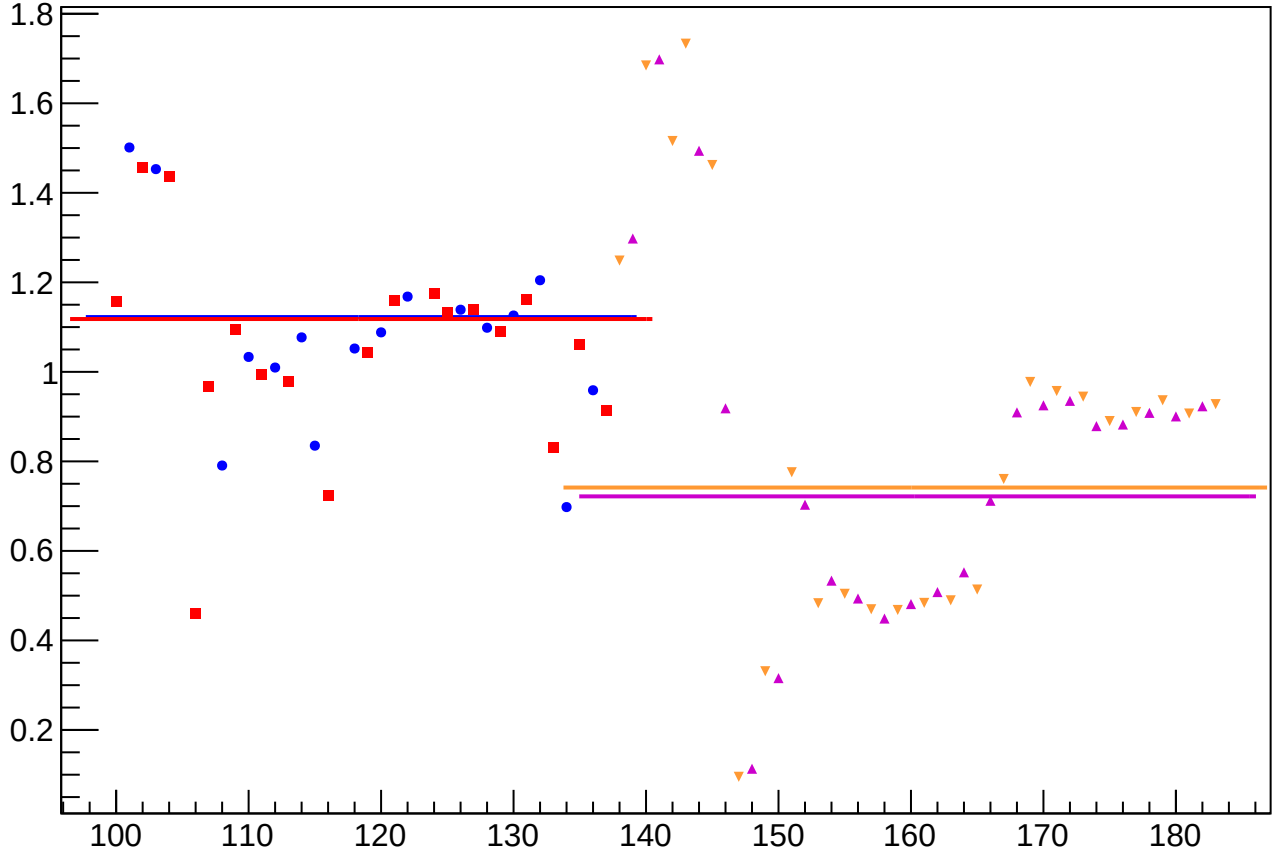
Left In: 0.084+/-0.000 χ^2/NDF:220139.9/21

+ sign 0.084+/-0.000 χ^2/NDF: 356442.4/39

All: 0.084+/-0.000 χ^2/NDF: 643970.8/80

- sign 0.085+/-0.000 χ^2/NDF: 283876.1/40

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.742+/-0.000 χ^2/NDF:32500141165.0/23

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

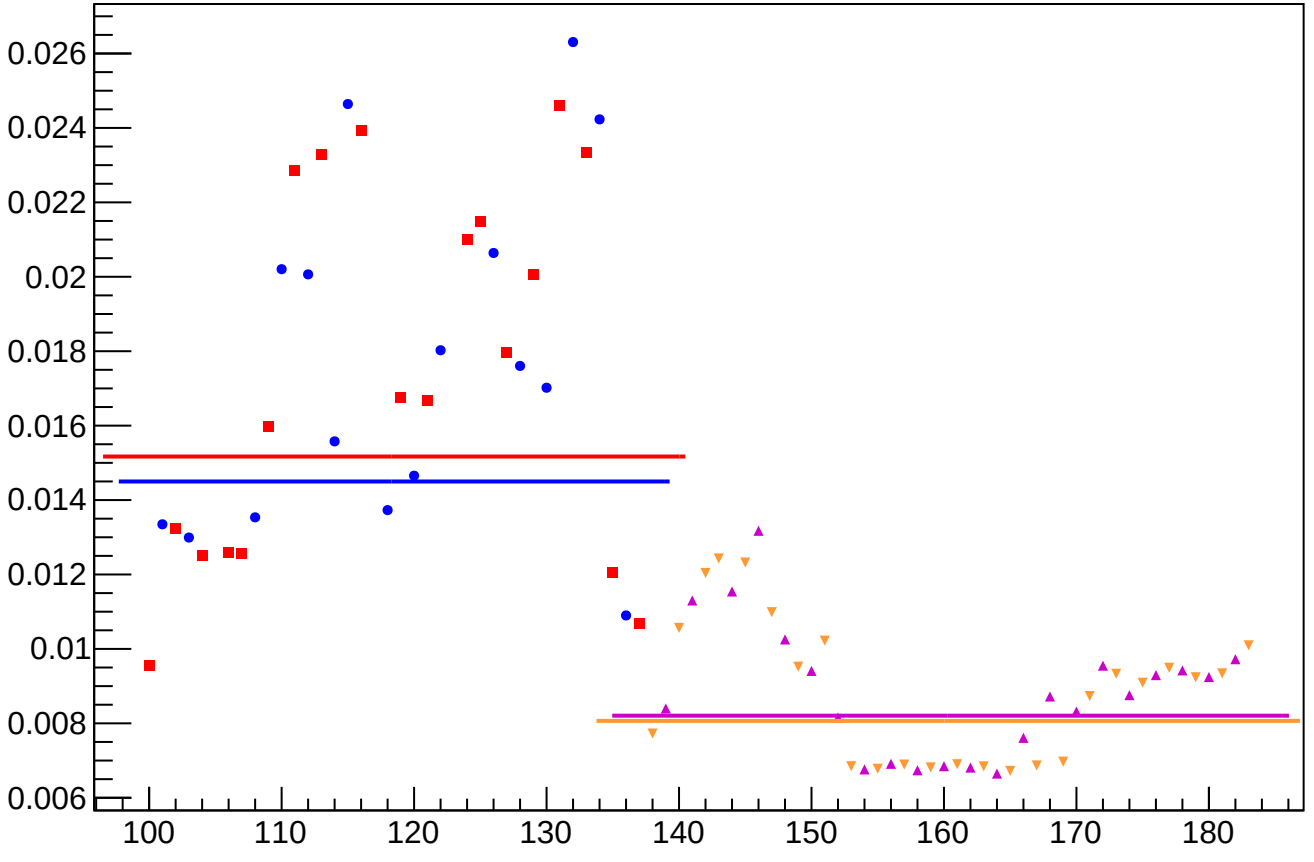
Left In: 0.722+/-0.000 χ^2/NDF:25539451477.4/21

+ sign 0.778+/-0.000 χ^2/NDF: 37679466510.4/39

All: 0.770+/-0.000 χ^2/NDF: 68605177379.9/8

- sign 0.761+/-0.000 χ^2/NDF: 30883591874.5/40

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1388419.4/23

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

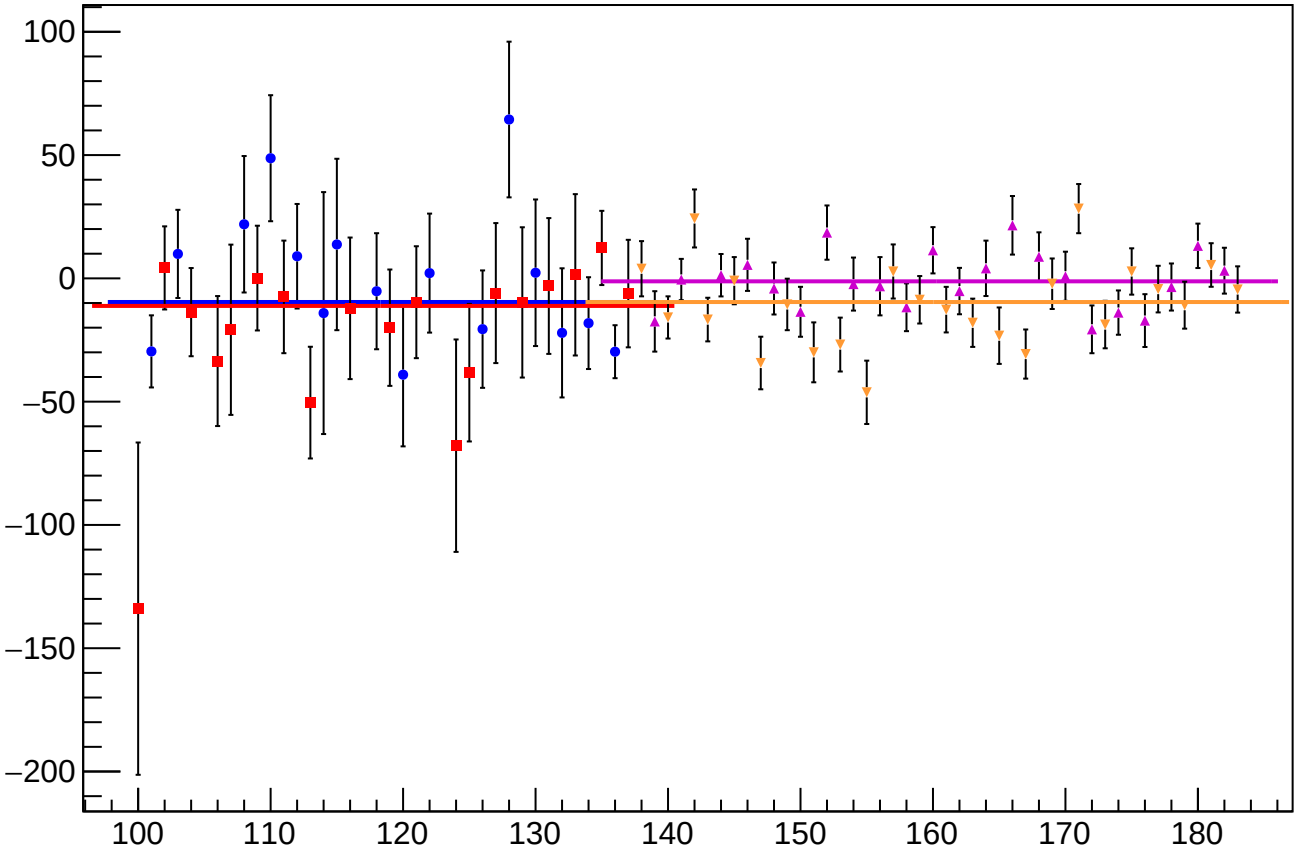
Left In: 0.008+/-0.000 χ^2/NDF:1121662.7/21

+ sign 0.009+/-0.000 χ^2/NDF: 4224526.6/39

All: 0.009+/-0.000 χ^2/NDF: 8554598.4/80

- sign 0.009+/-0.000 χ^2/NDF: 4317717.7/40

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -9.597+/-2.047 χ^2/NDF:59.7/23

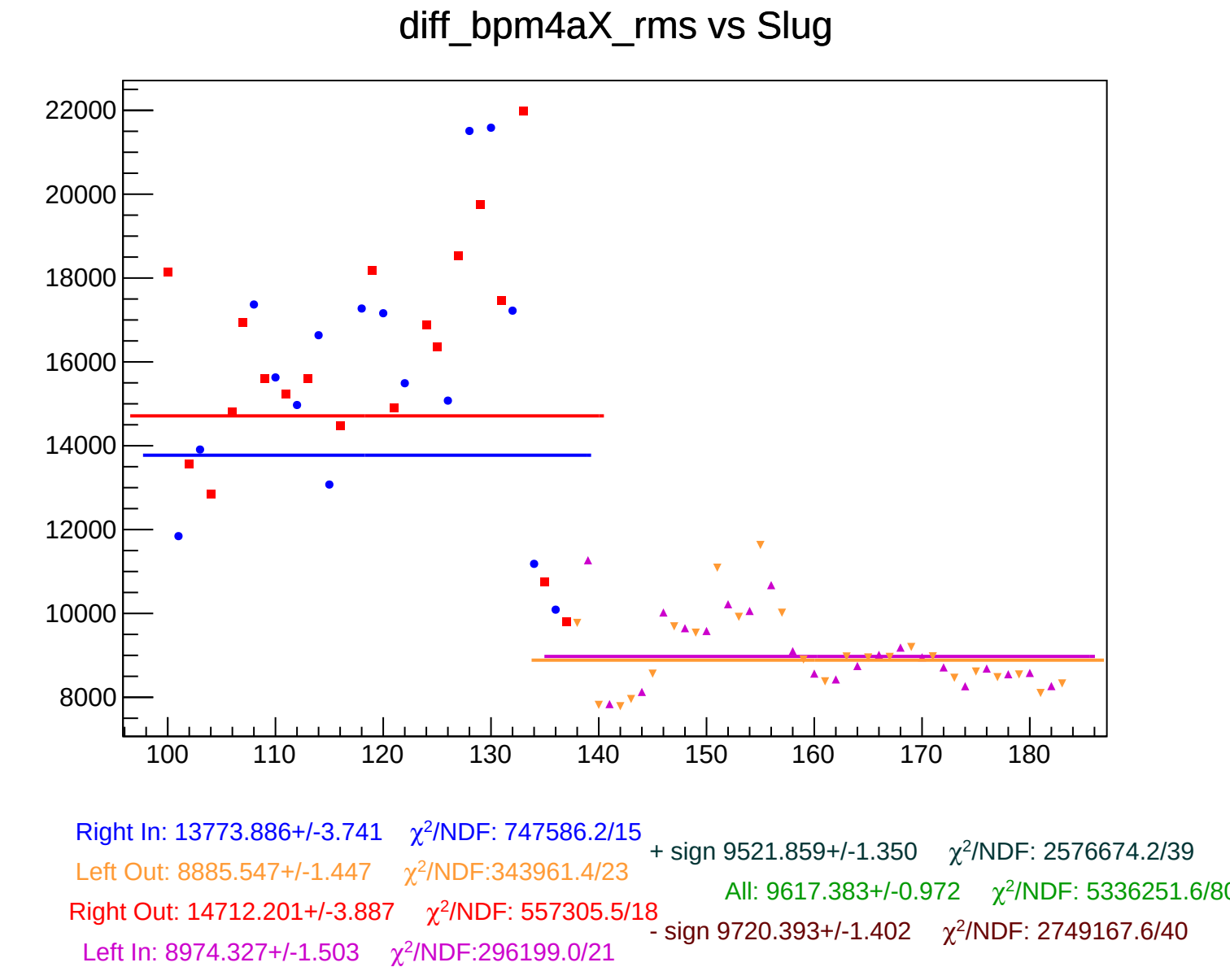
Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: -1.207+/-2.125 χ^2/NDF:26.2/21

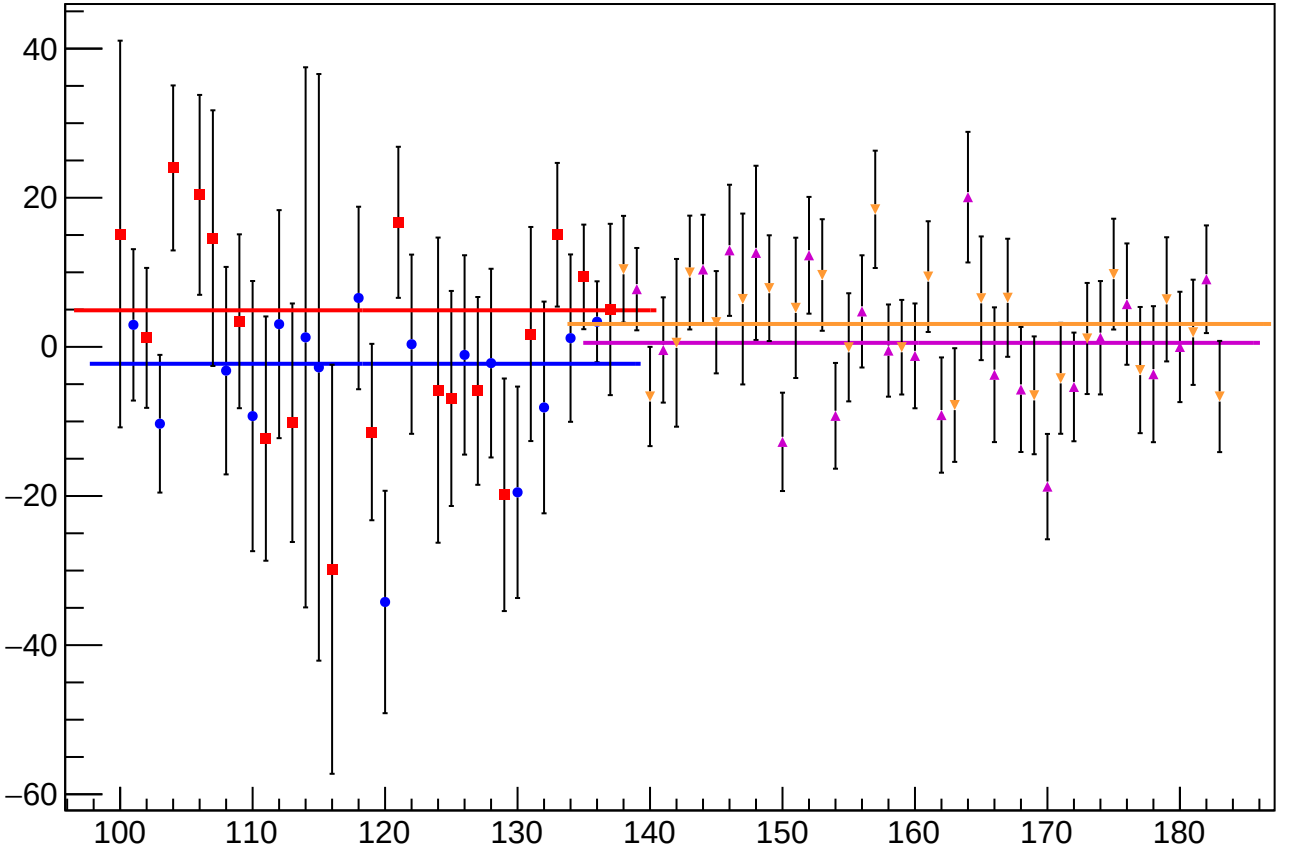
+ sign -9.595+/-1.909 χ^2/NDF: 81.6/39

All: -6.183+/-1.375 χ^2/NDF: 131.3/80

- sign -2.503+/-1.982 χ^2/NDF: 43.0/40


diff_bpm4aX_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13773.886+/-3.741 χ²/NDF: 747586.2/15
Left Out: 8885.547+/-1.447 χ²/NDF:343961.4/23
Right Out: 14712.201+/-3.887 χ²/NDF: 557305.5/18
Left In: 8974.327+/-1.503 χ²/NDF:296199.0/21
+ sign 9521.859+/-1.350 χ²/NDF: 2576674.2/39
All: 9617.383+/-0.972 χ²/NDF: 5336251.6/80
- sign 9720.393+/-1.402 χ²/NDF: 2749167.6/40

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.073+/-1.566 χ^2/NDF:18.5/23

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

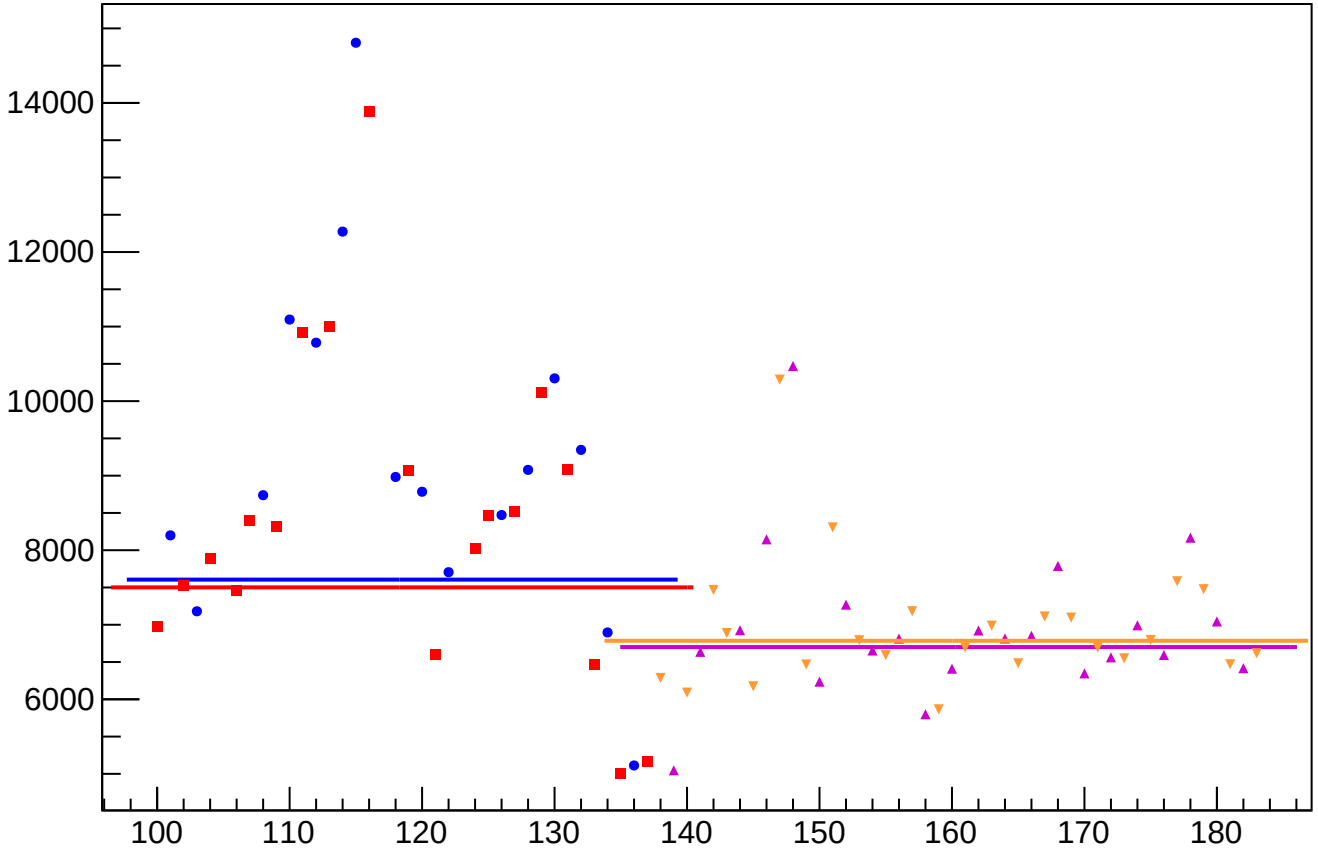
Left In: 0.540+/-1.597 χ^2/NDF:32.6/21

+ sign 1.881+/-1.380 χ^2/NDF: 30.4/39

All: 1.737+/-0.980 χ^2/NDF: 82.5/80

- sign 1.591+/-1.392 χ^2/NDF: 52.0/40

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6785.078+/-1.108 χ^2/NDF:396611.1/23

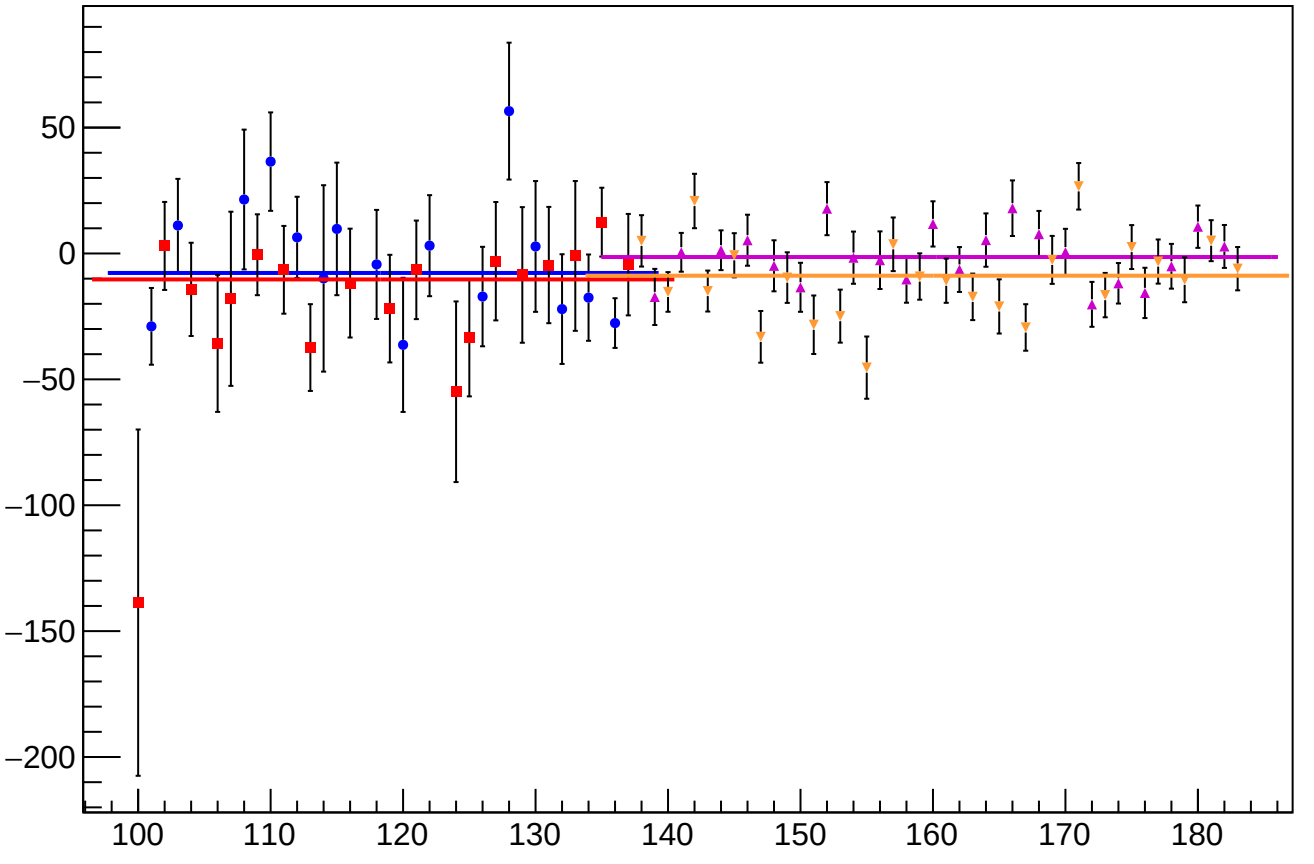
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6700.969+/-1.129 χ^2/NDF:615115.2/21

+ sign 6968.237+/-0.976 χ^2/NDF: 1410639.1/39

All: 6931.309+/-0.693 χ^2/NDF: 2973187.8/80

- sign 6893.776+/-0.984 χ^2/NDF: 1559663.0/40



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -8.825+/-1.913 χ^2/NDF:60.6/23

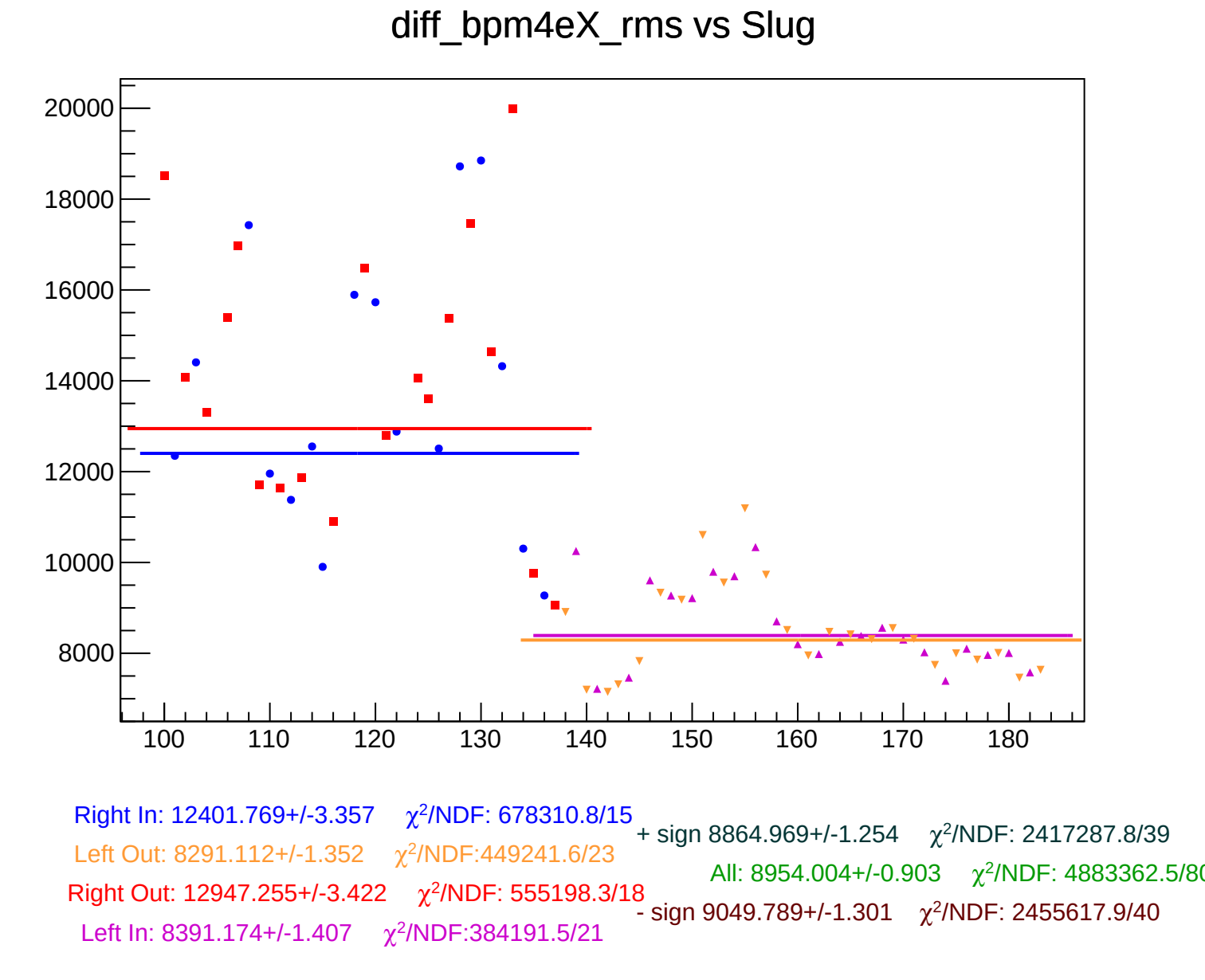
Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: -1.412+/-1.990 χ^2/NDF:26.1/21

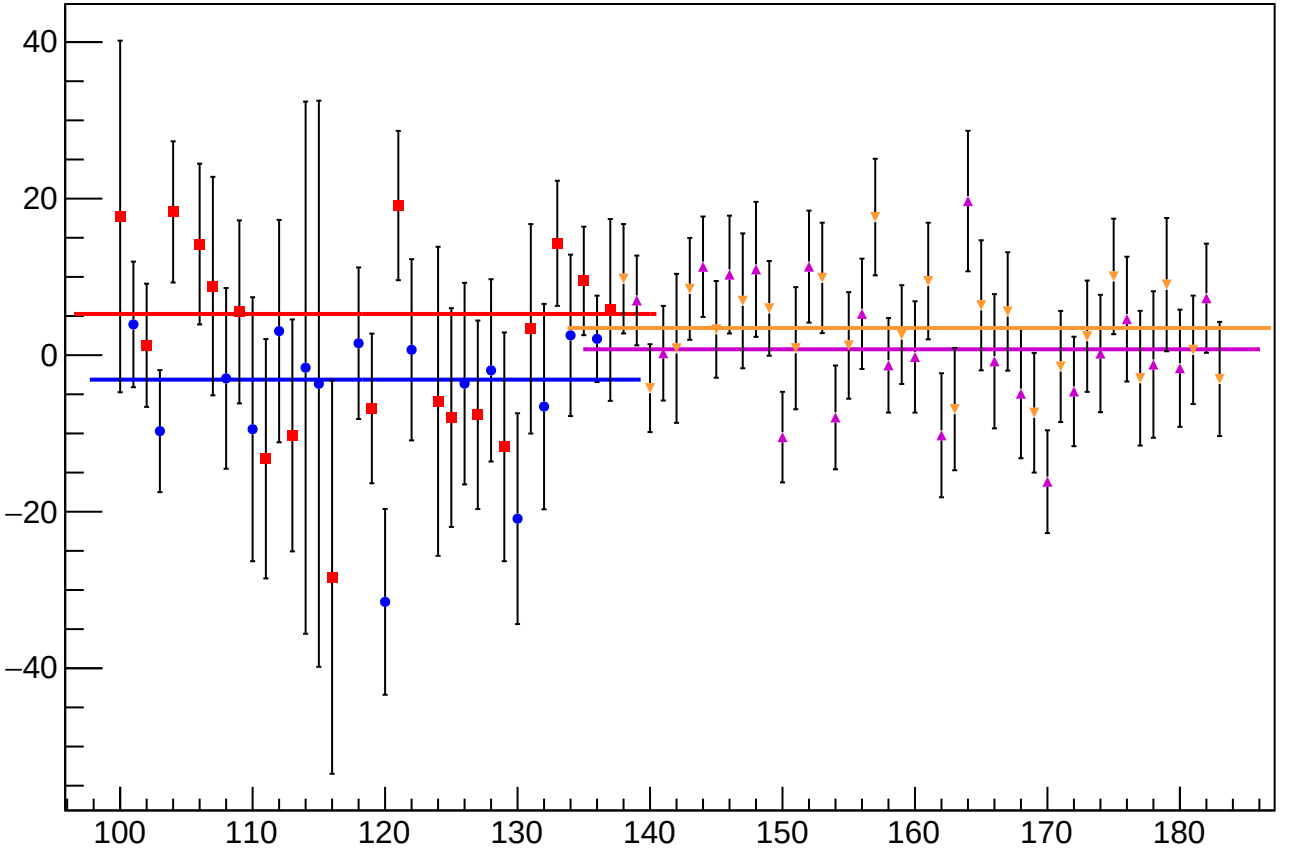
+ sign -8.673+/-1.774 χ^2/NDF: 83.3/39

All: -5.795+/-1.277 χ^2/NDF: 131.6/80

- sign -2.698+/-1.840 χ^2/NDF: 42.9/40


diff_bpm4eX_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12401.769+/-3.357 χ²/NDF: 678310.8/15
Left Out: 8291.112+/-1.352 χ²/NDF:449241.6/23
Right Out: 12947.255+/-3.422 χ²/NDF: 555198.3/18
Left In: 8391.174+/-1.407 χ²/NDF:384191.5/21
+ sign 8864.969+/-1.254 χ²/NDF: 2417287.8/39
All: 8954.004+/-0.903 χ²/NDF: 4883362.5/80
- sign 9049.789+/-1.301 χ²/NDF: 2455617.9/40

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.474+/-1.469 χ^2/NDF:16.2/23

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

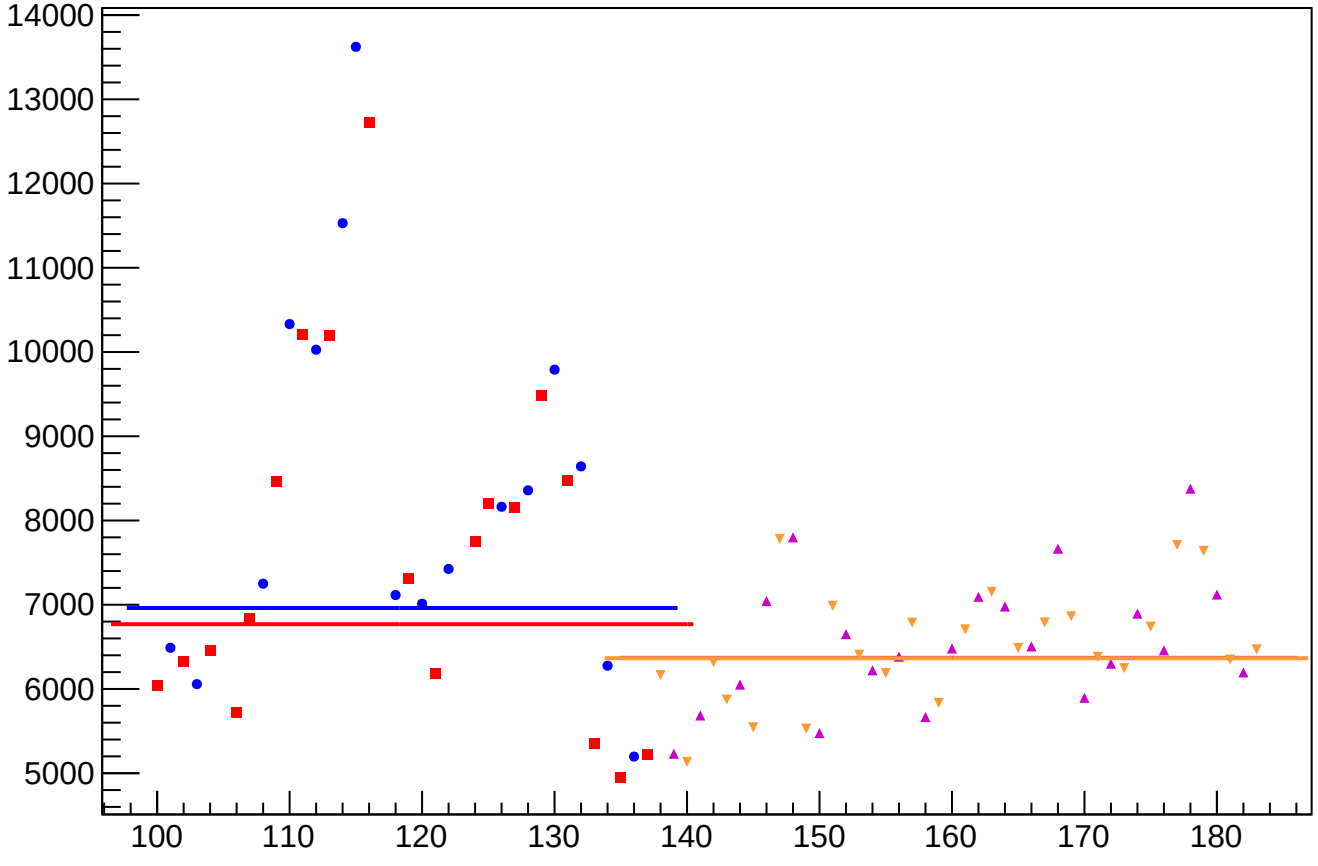
Left In: 0.754+/-1.514 χ^2/NDF:30.5/21

+ sign 1.929+/-1.285 χ^2/NDF: 31.8/39

All: 1.928+/-0.915 χ^2/NDF: 81.6/80

- sign 1.928+/-1.302 χ^2/NDF: 49.7/40

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6364.971+/-1.039 χ^2/NDF:410940.0/23

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

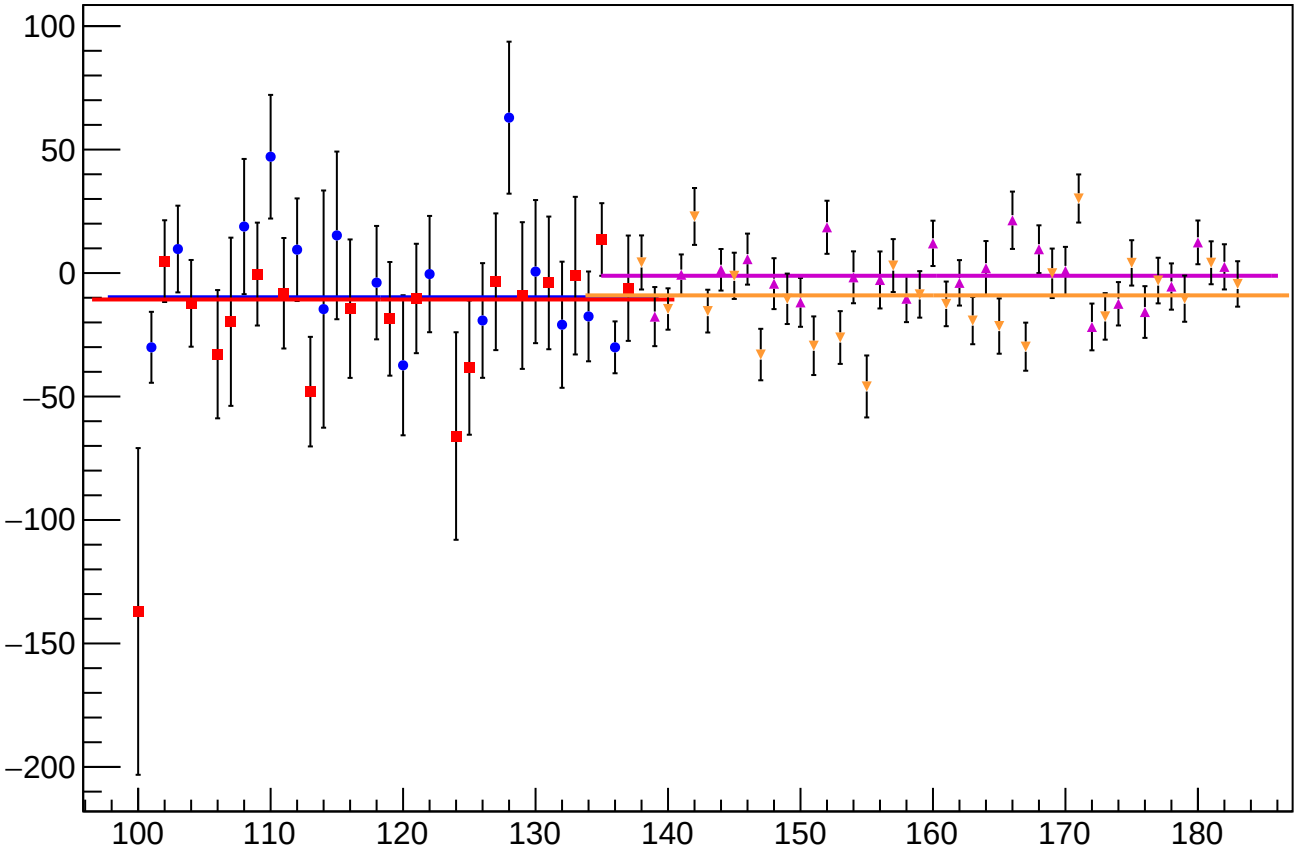
Left In: 6369.485+/-1.071 χ^2/NDF:469741.1/21

+ sign 6504.732+/-0.909 χ^2/NDF: 1184651.7/39

All: 6489.282+/-0.647 χ^2/NDF: 2489315.8/80

- sign 6473.423+/-0.921 χ^2/NDF: 1304078.5/40

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -9.039+/-2.003 χ^2/NDF:61.5/23

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

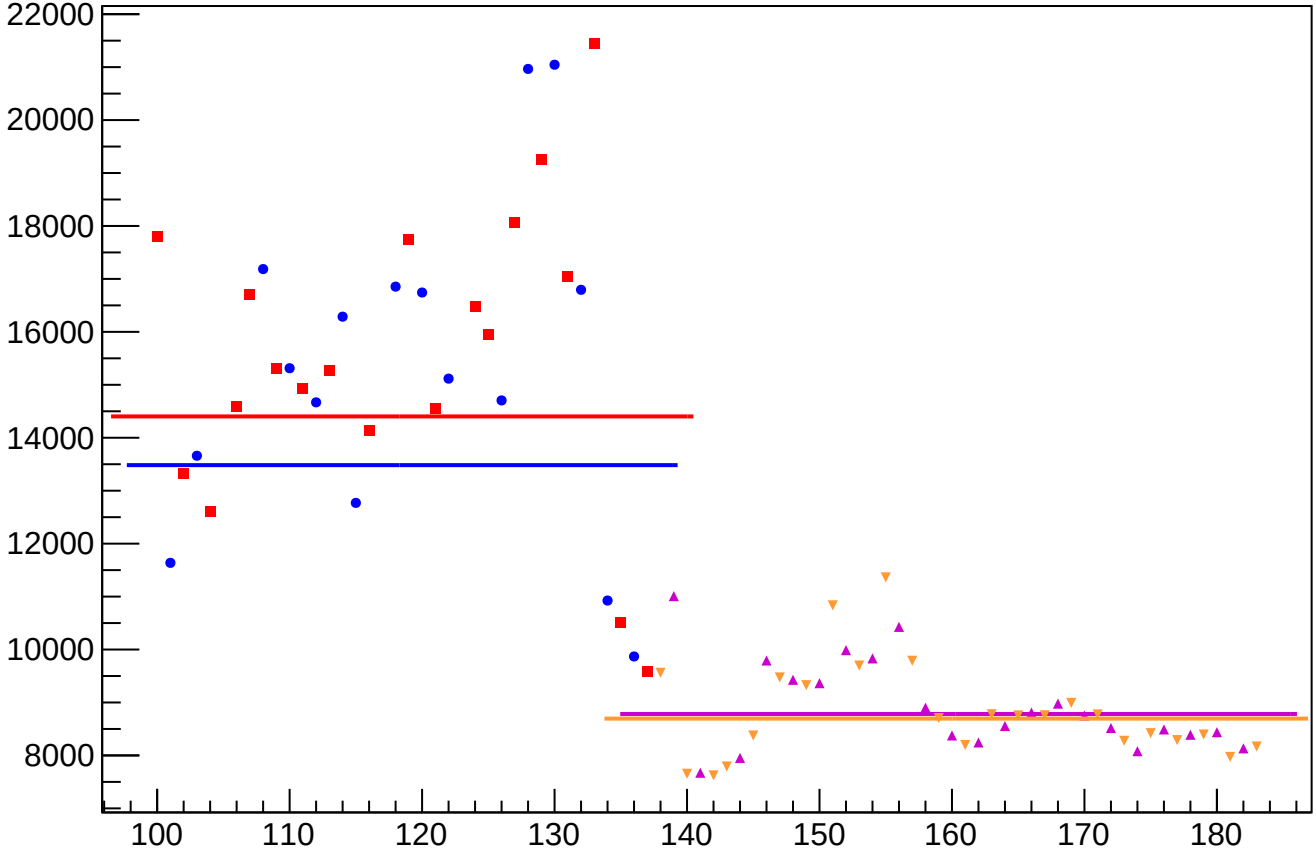
Left In: -1.098+/-2.080 χ^2/NDF:26.4/21

+ sign -9.140+/-1.868 χ^2/NDF: 83.6/39

All: -5.872+/-1.345 χ^2/NDF: 133.4/80

- sign -2.347+/-1.940 χ^2/NDF: 43.5/40

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8695.625+/-1.416 χ^2/NDF:337728.7/23

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

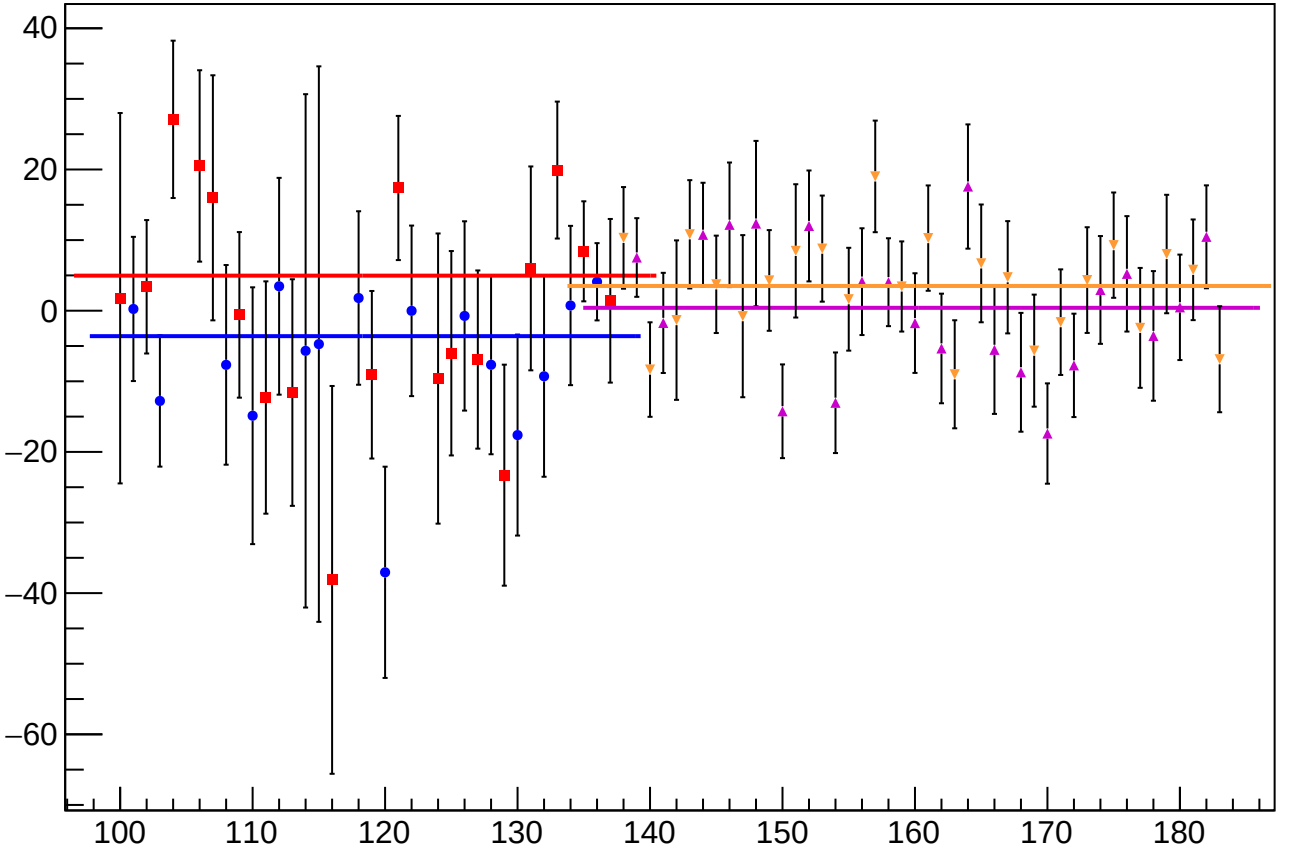
Left In: 8782.947+/-1.471 χ^2/NDF:290084.9/21

+ sign 9318.552+/-1.321 χ^2/NDF: 2568488.4/39

All: 9412.276+/-0.951 χ^2/NDF: 5319633.8/80

- sign 9513.358+/-1.372 χ^2/NDF: 2740679.1/40

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.504+/-1.574 χ^2/NDF:18.8/23

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

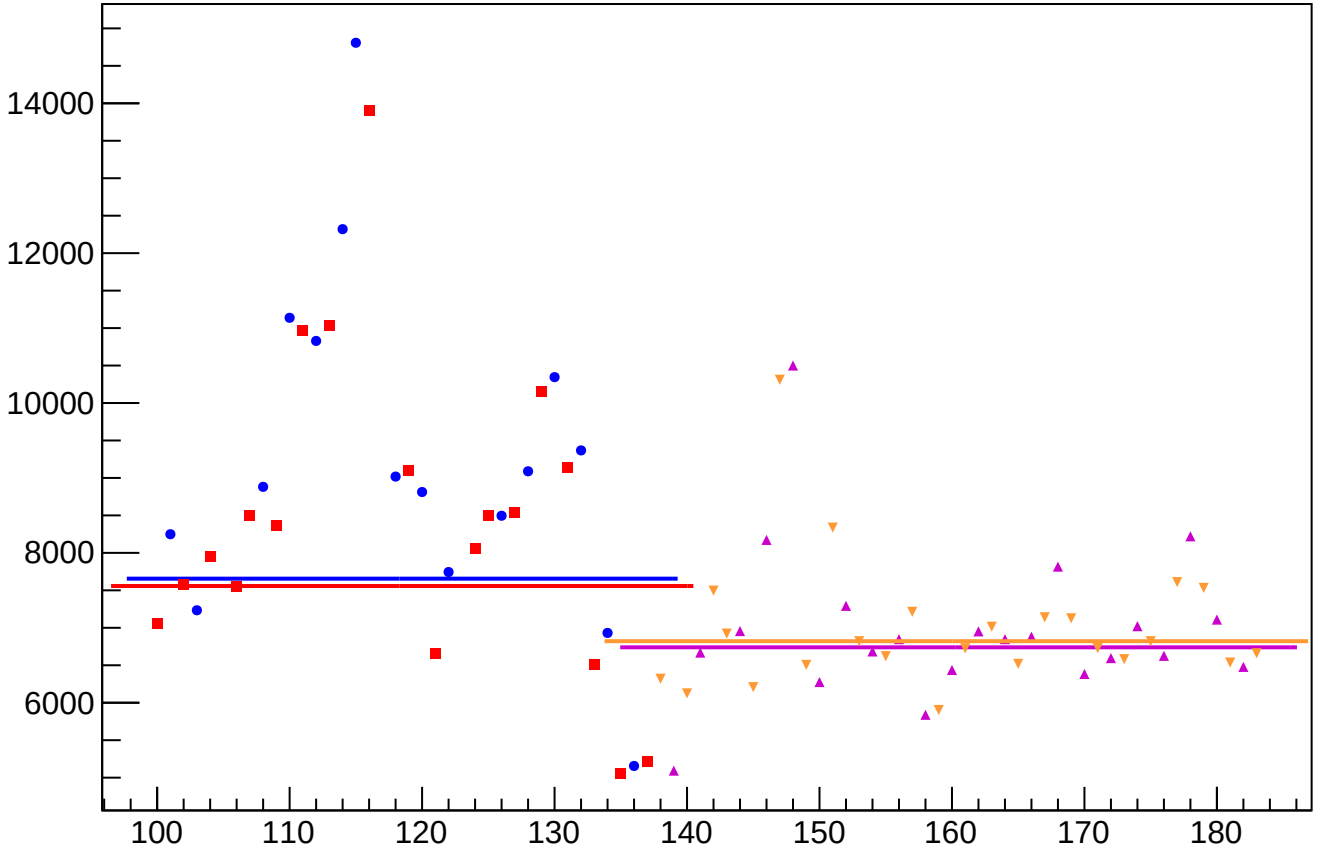
Left In: 0.409+/-1.606 χ^2/NDF:33.8/21

+ sign 1.920+/-1.388 χ^2/NDF: 33.9/39

All: 1.714+/-0.986 χ^2/NDF: 91.1/80

- sign 1.504+/-1.400 χ^2/NDF: 57.1/40

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6821.151+/-1.113 χ^2/NDF:391217.7/23

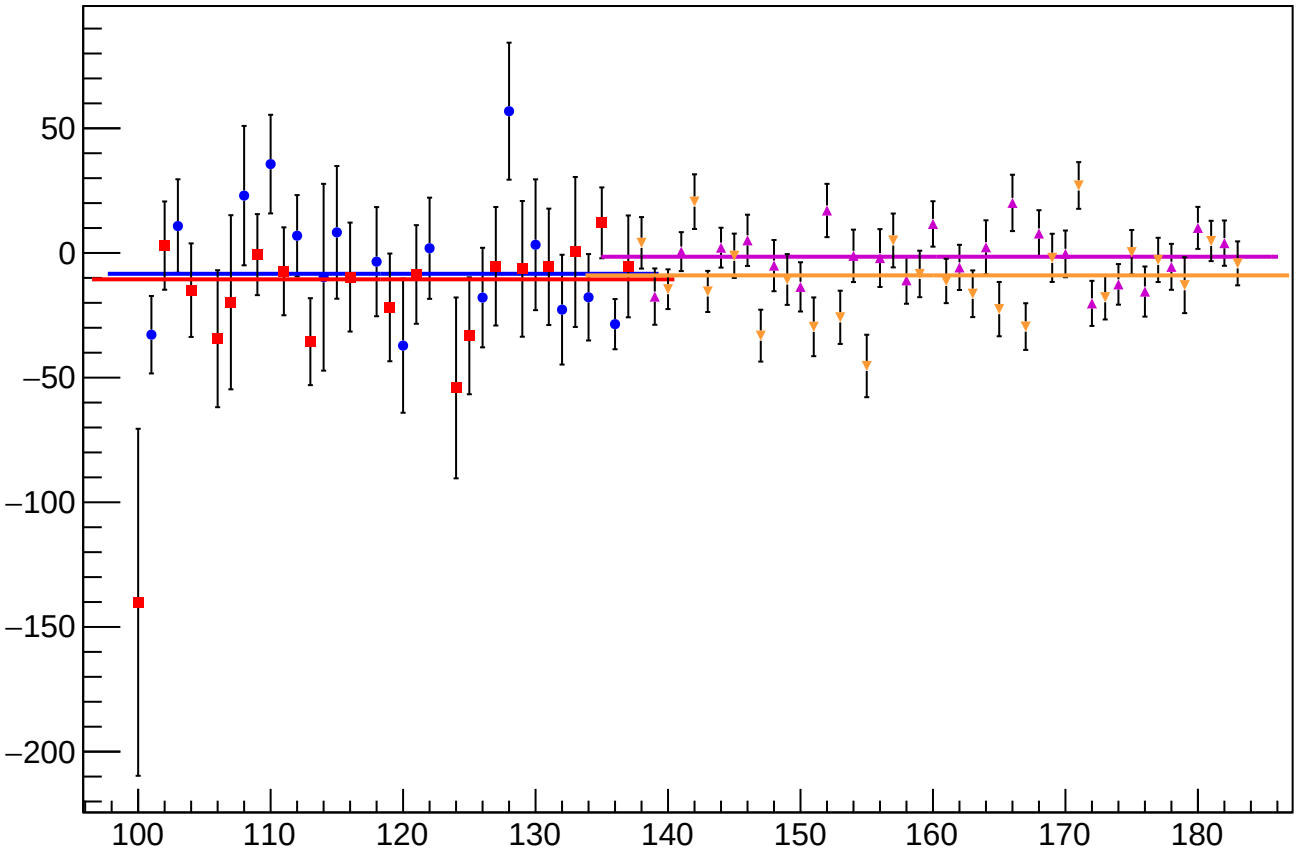
Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6739.384+/-1.136 χ^2/NDF:604842.2/21

+ sign 7007.177+/-0.981 χ^2/NDF: 1396275.1/39

All: 6971.905+/-0.697 χ^2/NDF: 2938300.5/80

- sign 6936.021+/-0.990 χ^2/NDF: 1539419.6/40



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -8.983+/-1.953 χ^2/NDF:60.1/23

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

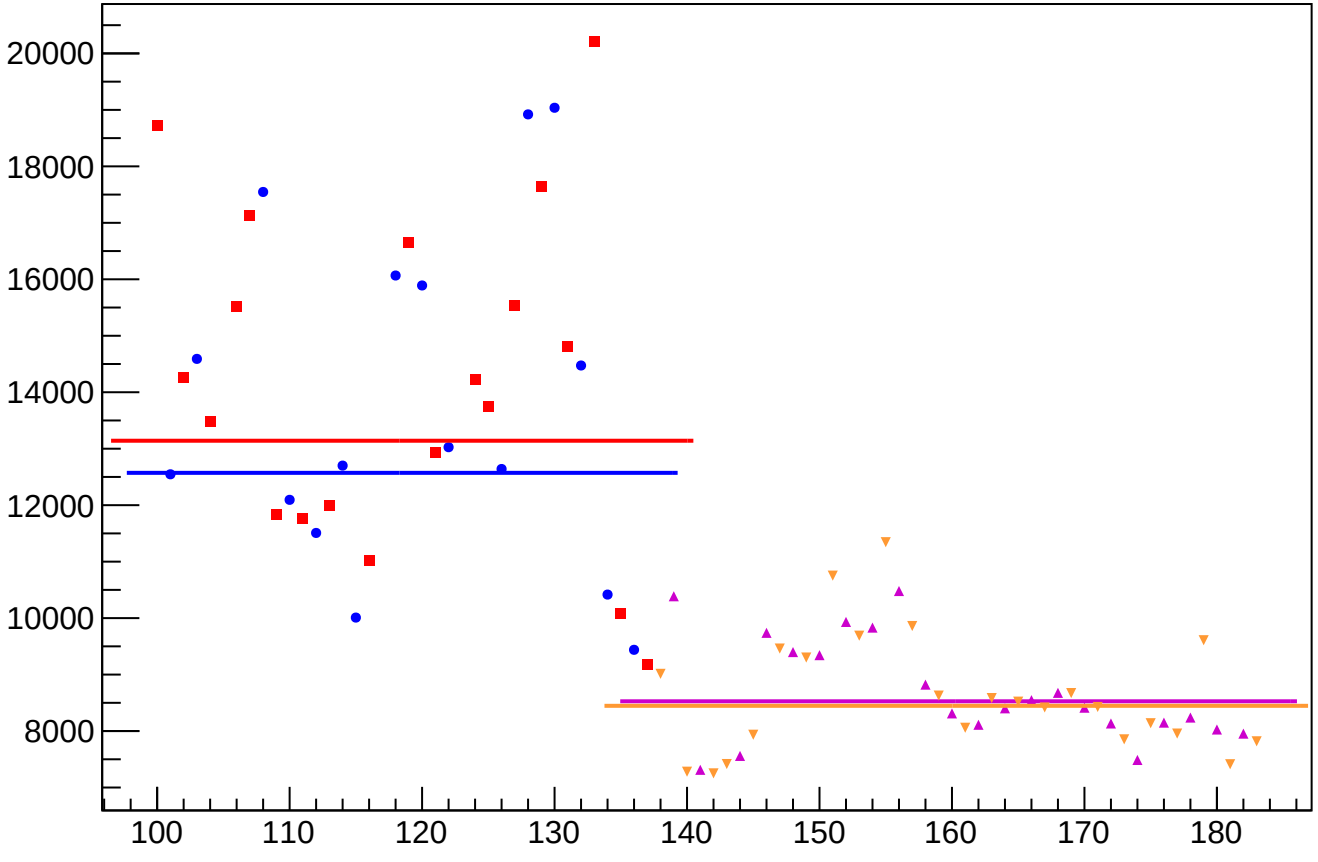
Left In: -1.514+/-2.023 χ^2/NDF:25.9/21

\+ sign -8.894+/-1.810 χ^2/NDF: 83.4/39

All: -5.962+/-1.301 χ^2/NDF: 130.6/80

\- sign -2.829+/-1.871 χ^2/NDF: 41.7/40

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8446.908+/-1.381 χ^2/NDF:476633.9/23

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

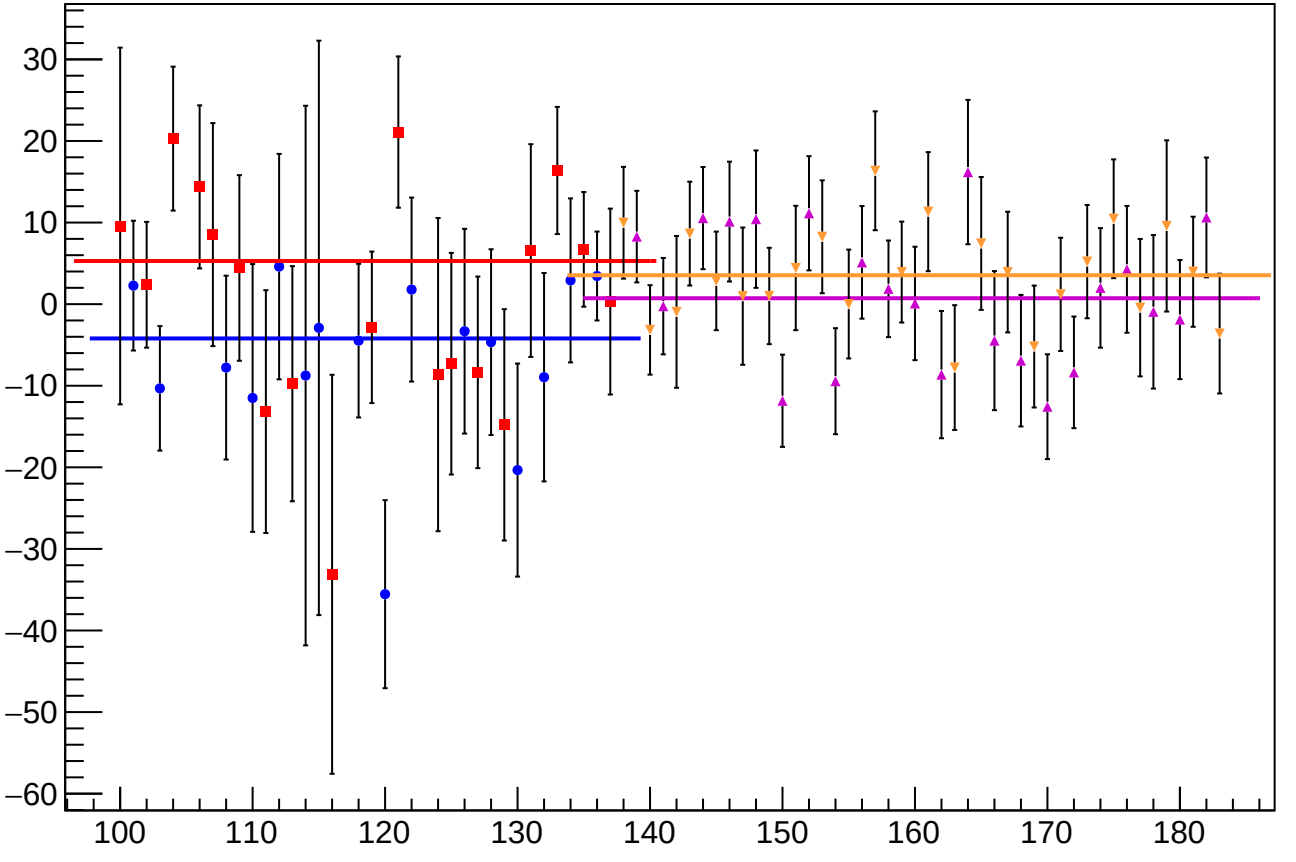
Left In: 8527.017+/-1.431 χ^2/NDF:374215.0/21

+ sign 9030.043+/-1.280 χ^2/NDF: 2403122.7/39

All: 9110.566+/-0.920 χ^2/NDF: 4829676.3/80

- sign 9196.609+/-1.323 χ^2/NDF: 2418363.3/40

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.544+/-1.447 χ^2/NDF:14.9/23

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

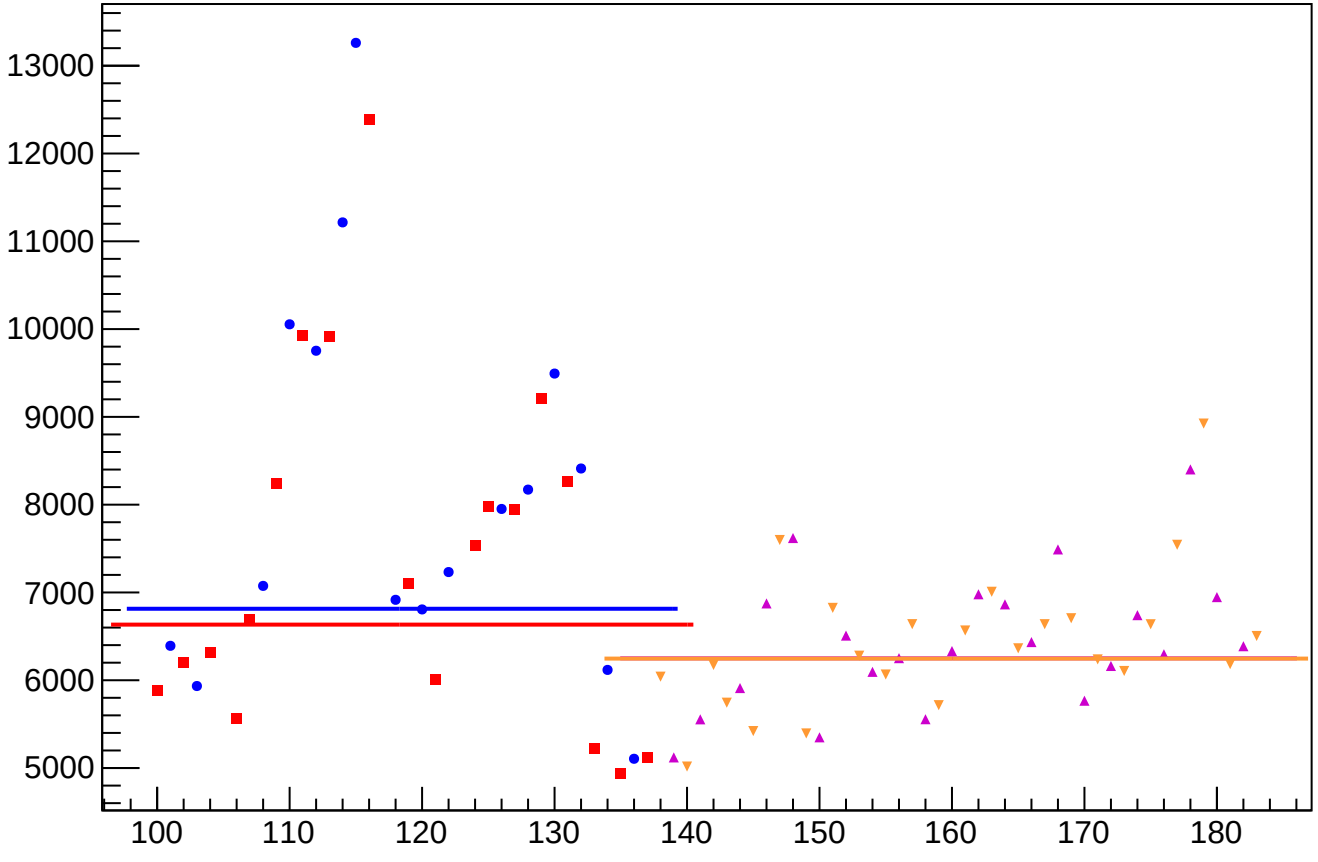
Left In: 0.725+/-1.488 χ^2/NDF:31.3/21

+ sign 1.713+/-1.264 χ^2/NDF: 35.5/39

All: 1.814+/-0.899 χ^2/NDF: 89.1/80

- sign 1.917+/-1.279 χ^2/NDF: 53.5/40

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6246.679+/-1.023 χ^2/NDF:503253.7/23

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

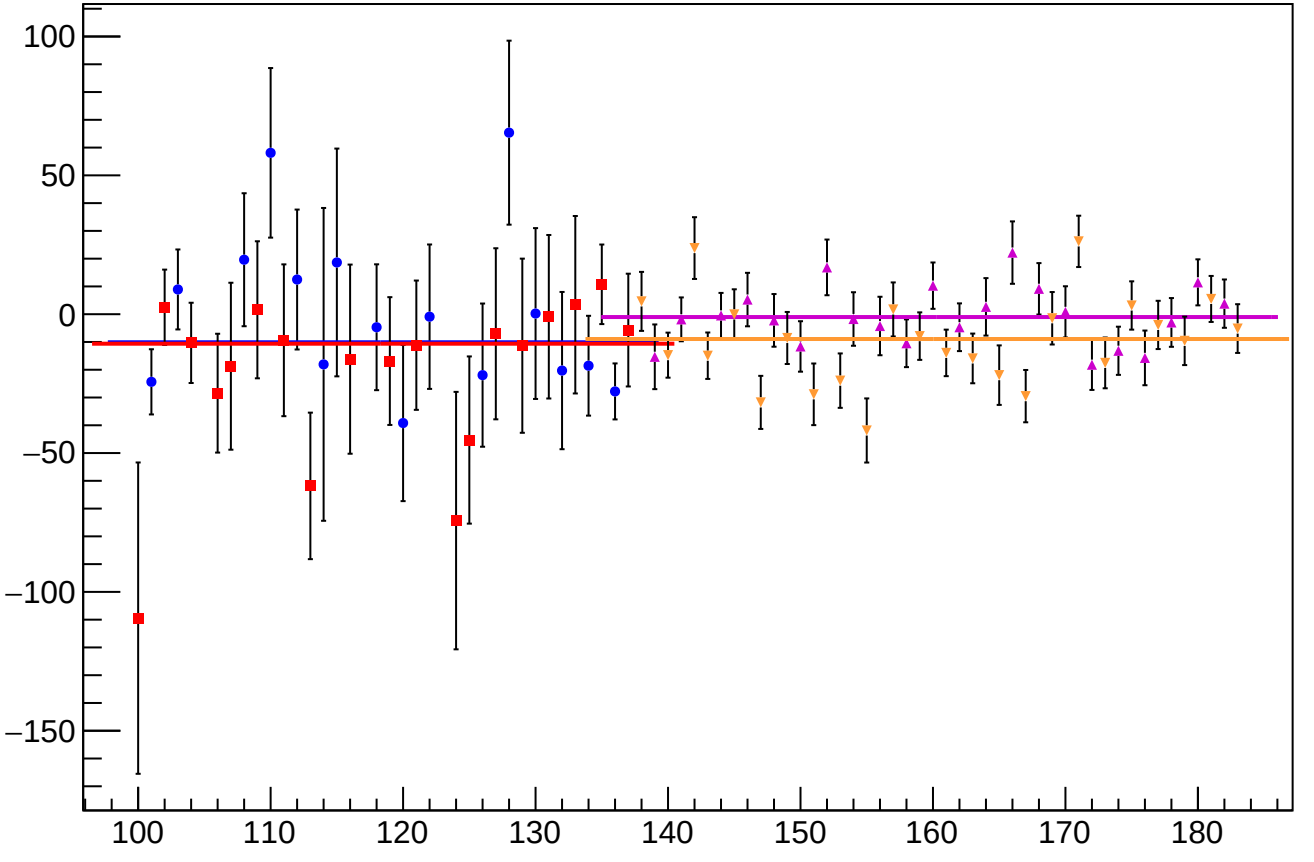
Left In: 6249.375+/-1.052 χ^2/NDF:483792.0/21

+ sign 6380.834+/-0.894 χ^2/NDF: 1250116.2/39

All: 6365.473+/-0.636 χ^2/NDF: 2532716.5/80

- sign 6349.757+/-0.904 χ^2/NDF: 1282002.8/40

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -8.932+/-1.890 χ^2/NDF:61.6/23

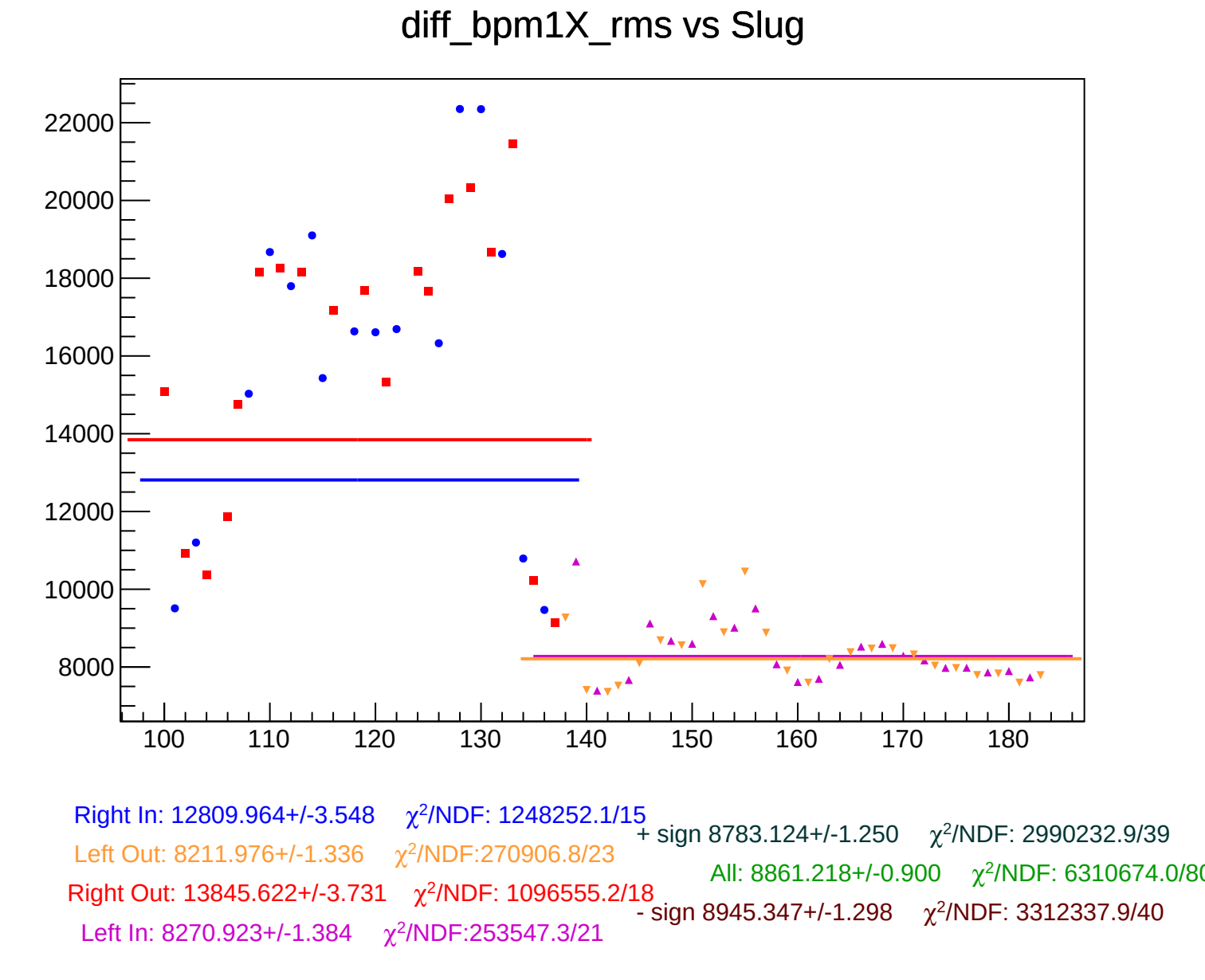
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.023+/-1.958 χ^2/NDF:25.9/21

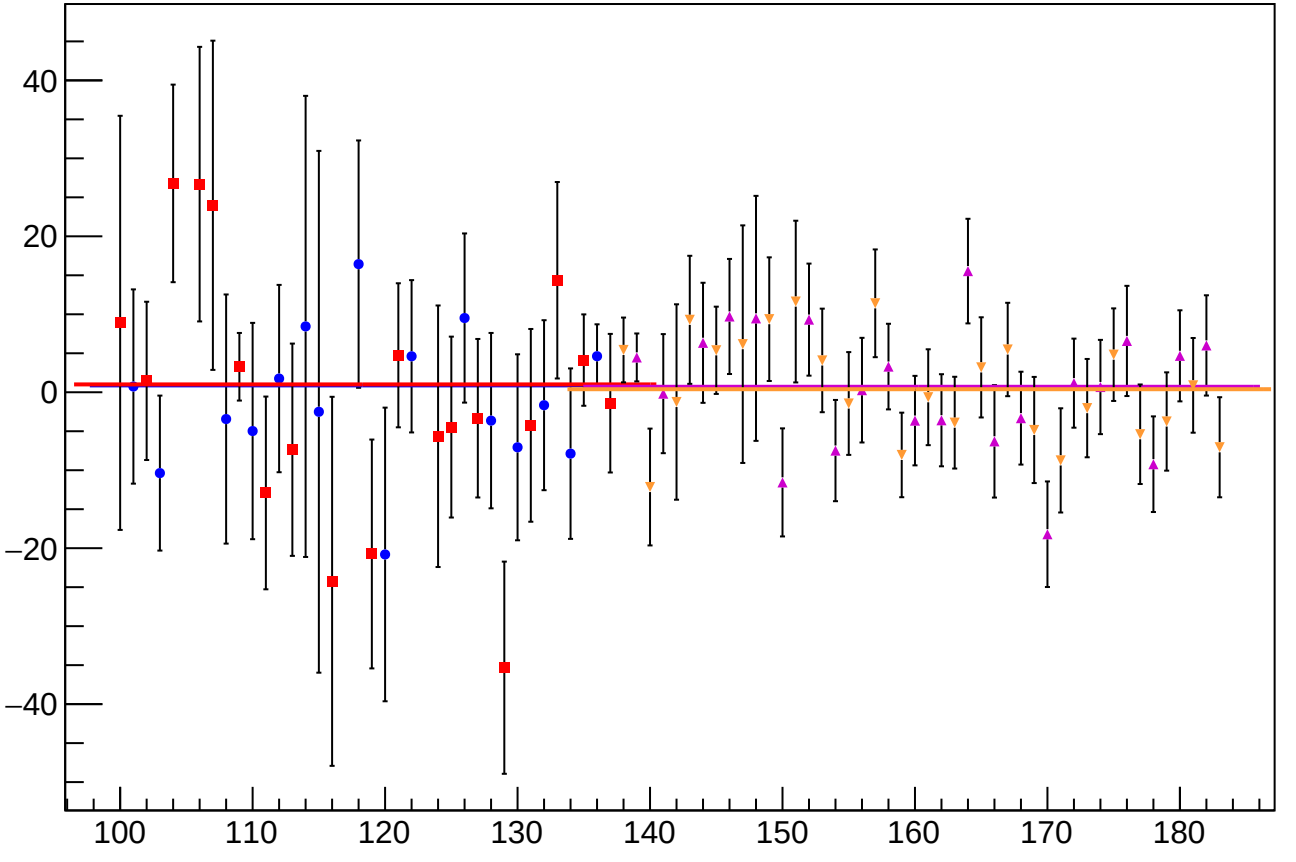
\+ sign -9.078+/-1.768 χ^2/NDF: 82.9/39

All: -5.760+/-1.273 χ^2/NDF: 133.7/80

\- sign -2.184+/-1.835 χ^2/NDF: 43.5/40


diff_bpm1X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8211.976+/-1.336 χ²/NDF:270906.8/23
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8270.923+/-1.384 χ²/NDF:253547.3/21
+ sign 8783.124+/-1.250 χ²/NDF: 2990232.9/39
All: 8861.218+/-0.900 χ²/NDF: 6310674.0/80
- sign 8945.347+/-1.298 χ²/NDF: 3312337.9/40

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.390+/-1.330 χ^2/NDF:21.4/23

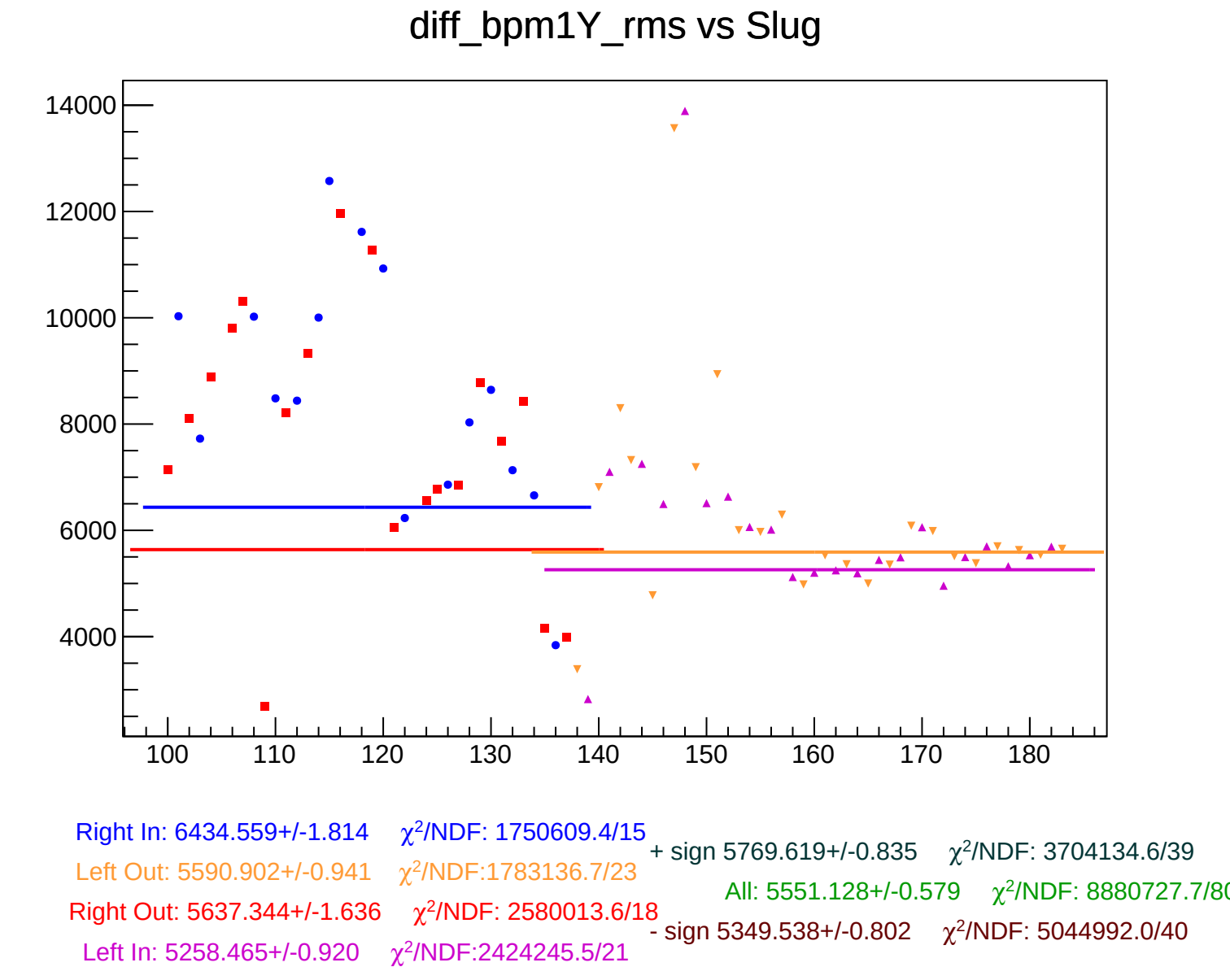
Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

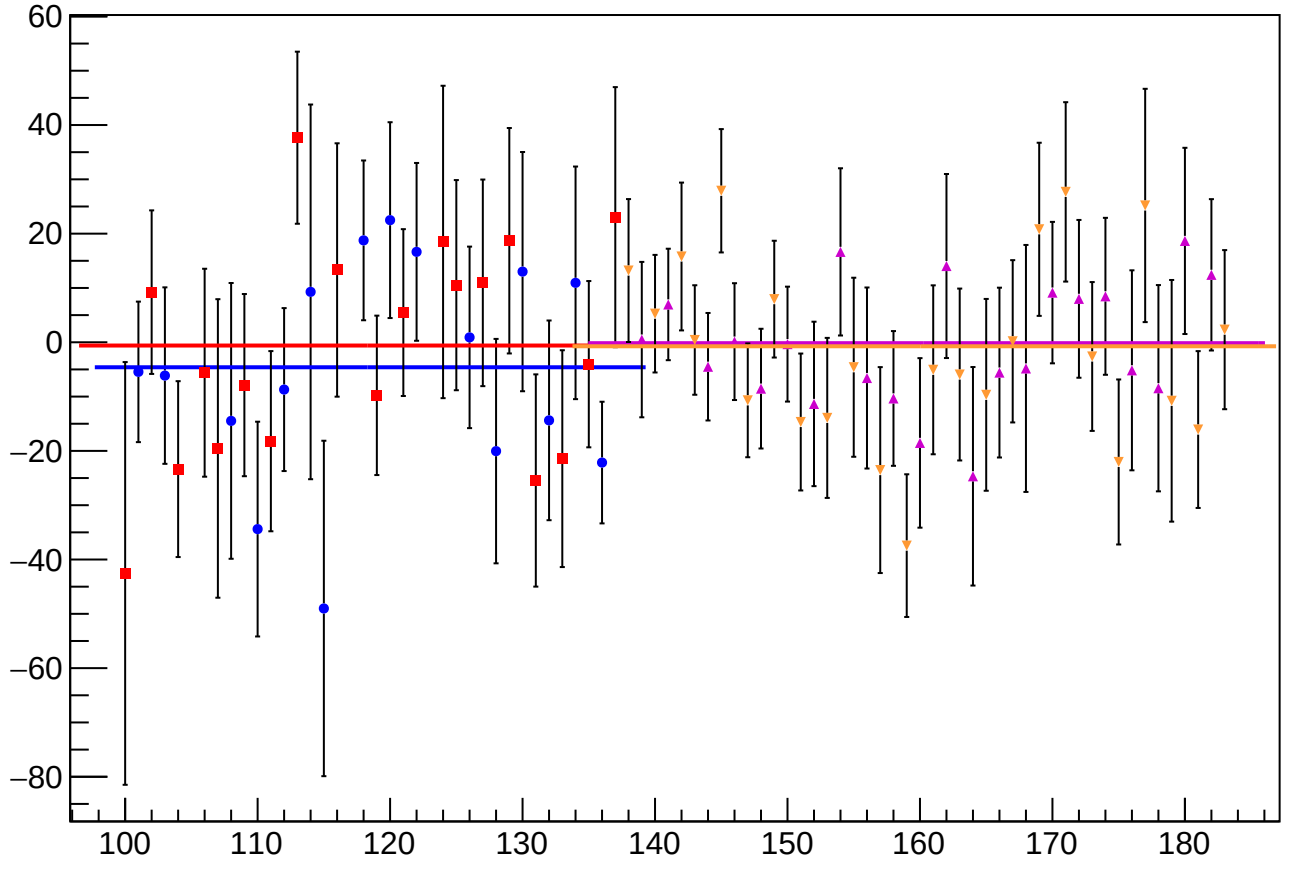
Left In: 0.702+/-1.302 χ^2/NDF:29.9/21

+ sign 0.495+/-1.181 χ^2/NDF: 28.3/39

All: 0.640+/-0.818 χ^2/NDF: 80.5/80

- sign 0.775+/-1.134 χ^2/NDF: 52.2/40


diff_bpm1Y_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 6434.559+/-1.814 χ²/NDF: 1750609.4/15
Left Out: 5590.902+/-0.941 χ²/NDF:1783136.7/23
Right Out: 5637.344+/-1.636 χ²/NDF: 2580013.6/18
Left In: 5258.465+/-0.920 χ²/NDF:2424245.5/21
+ sign 5769.619+/-0.835 χ²/NDF: 3704134.6/39
All: 5551.128+/-0.579 χ²/NDF: 8880727.7/8
- sign 5349.538+/-0.802 χ²/NDF: 5044992.0/40



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.737+/-2.829 χ^2/NDF:32.2/23

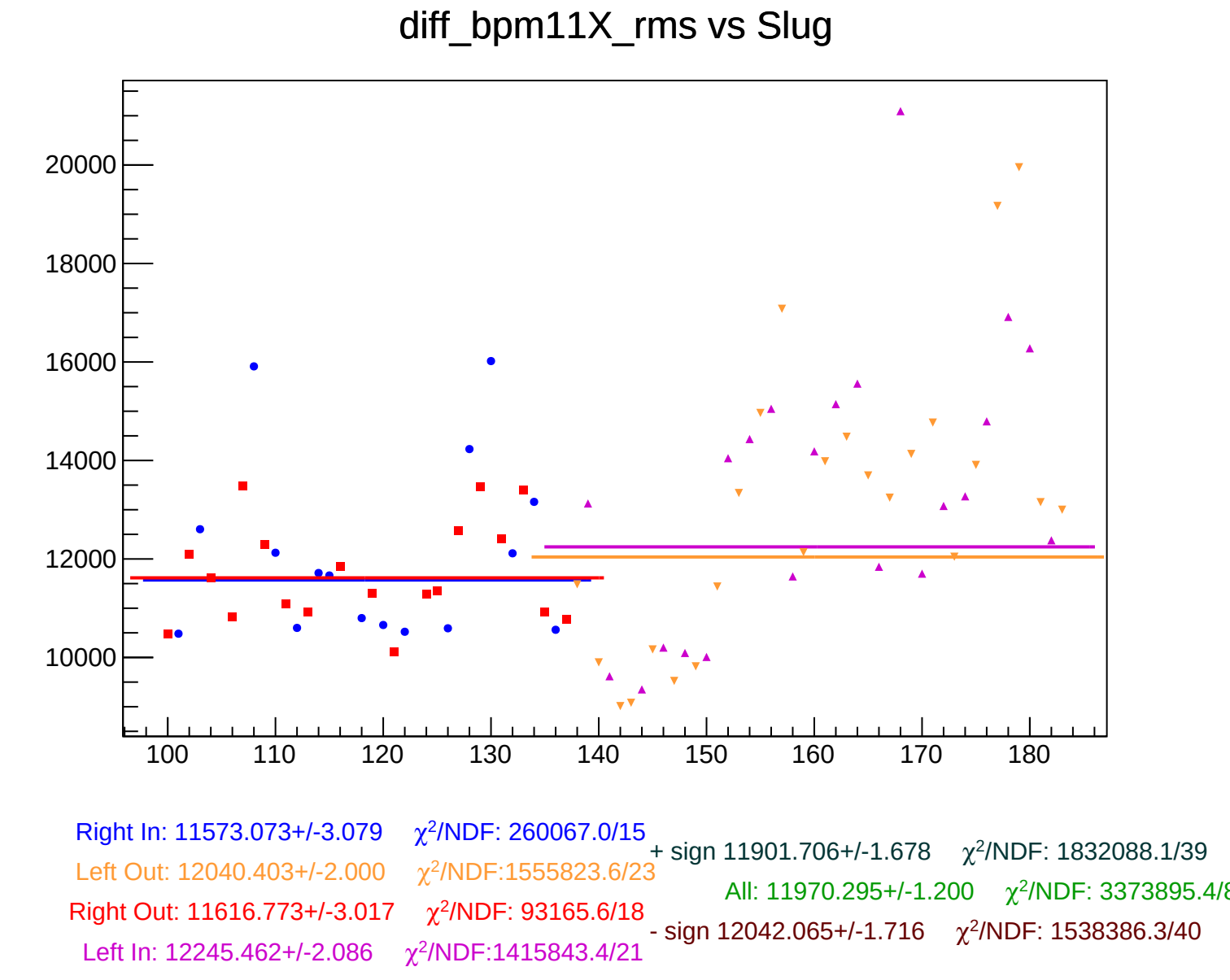
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -0.166+/-2.951 χ^2/NDF:11.0/21

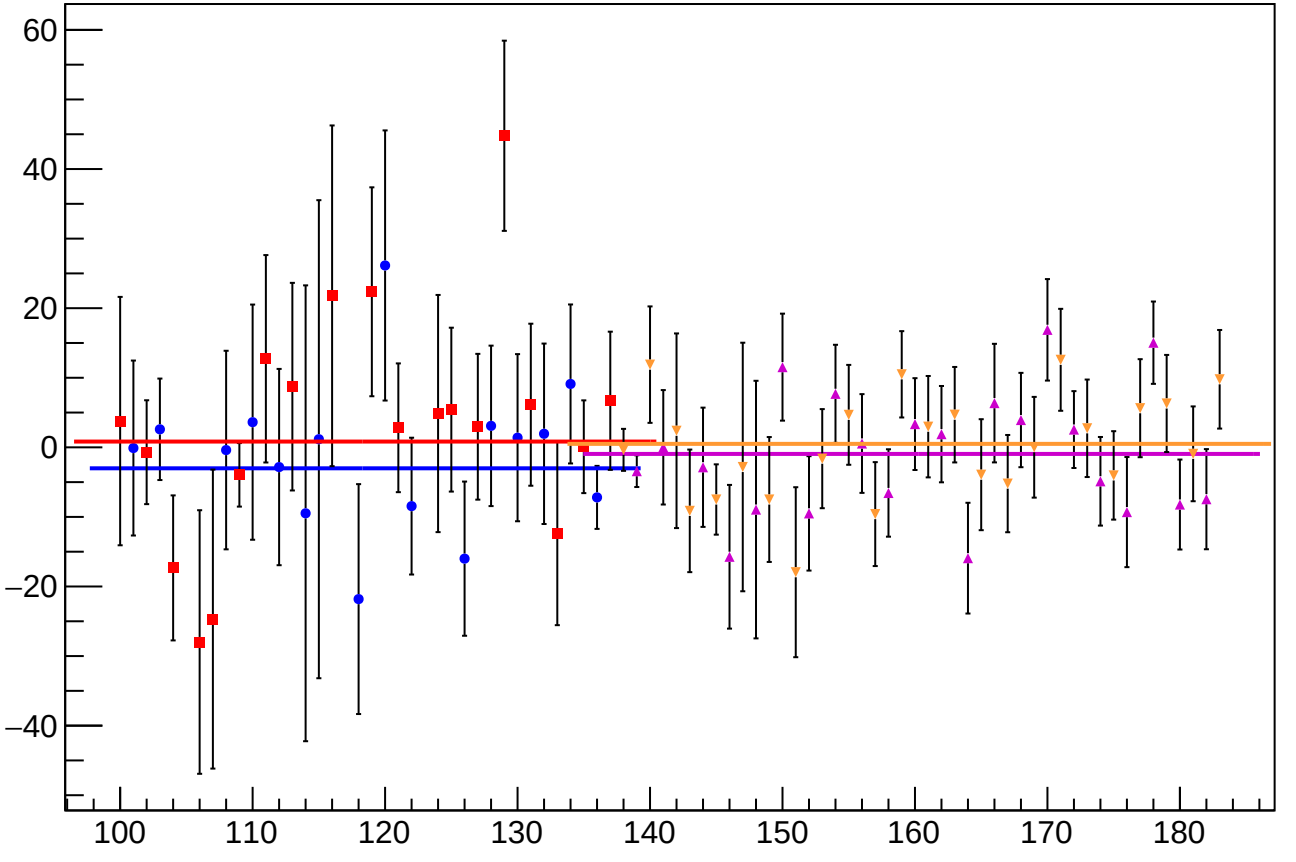
+ sign -1.884+/-2.372 χ^2/NDF: 48.5/39

All: -1.113+/-1.696 χ^2/NDF: 77.7/80

- sign -0.306+/-2.427 χ^2/NDF: 28.9/40


diff_bpm11X_rms vs Slug
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
180
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 12040.403+/-2.000 χ²/NDF:1555823.6/23
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 12245.462+/-2.086 χ²/NDF:1415843.4/21
+ sign 11901.706+/-1.678 χ²/NDF: 1832088.1/39
All: 11970.295+/-1.200 χ²/NDF: 3373895.4/8
- sign 12042.065+/-1.716 χ²/NDF: 1538386.3/40

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.499+/-1.376 χ^2/NDF:21.4/23

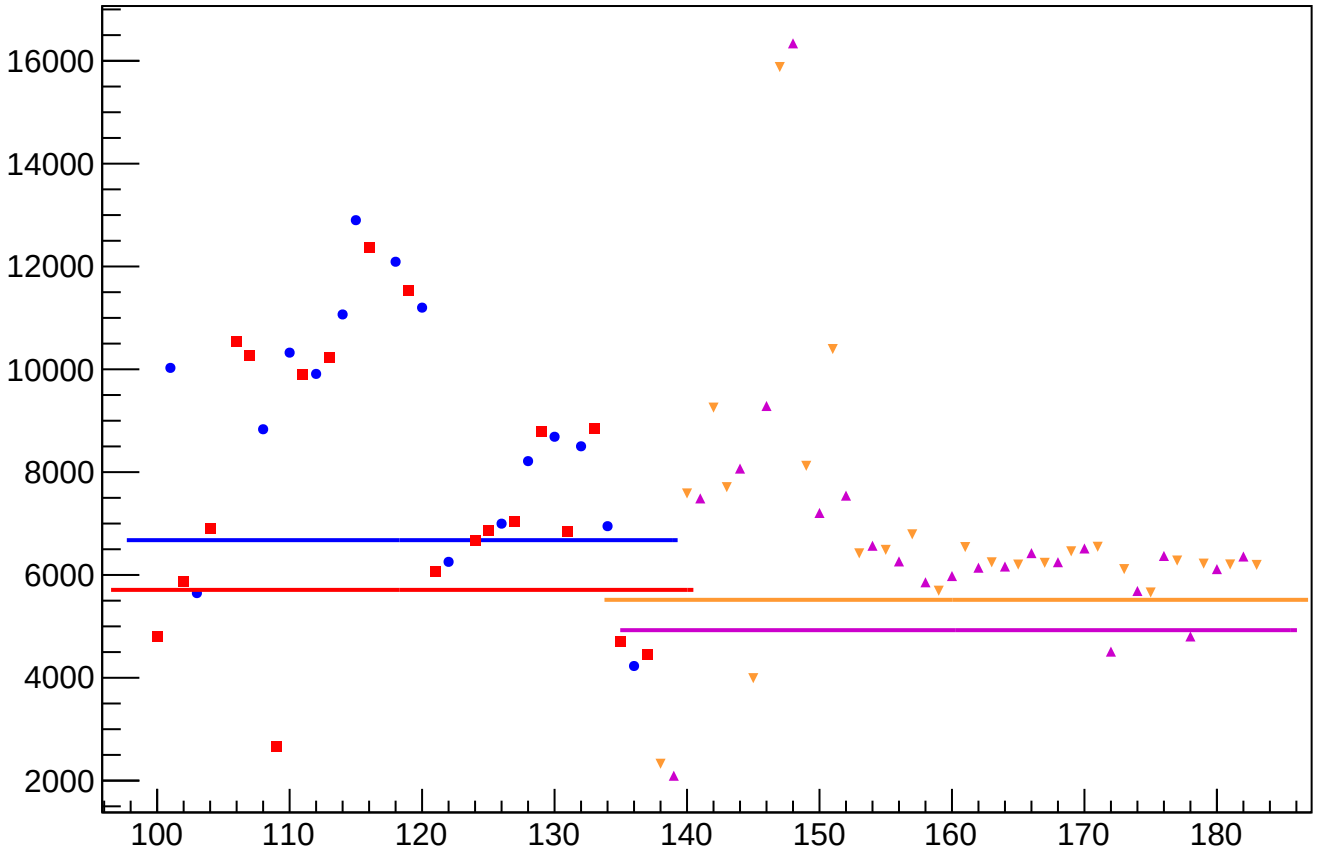
Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: -0.946+/-1.303 χ^2/NDF:32.2/21

+ sign -0.246+/-1.222 χ^2/NDF: 31.4/39

All: -0.397+/-0.833 χ^2/NDF: 87.9/80

- sign -0.529+/-1.140 χ^2/NDF: 56.4/40



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5516.431+/-0.973 χ^2/NDF:4363201.4/23

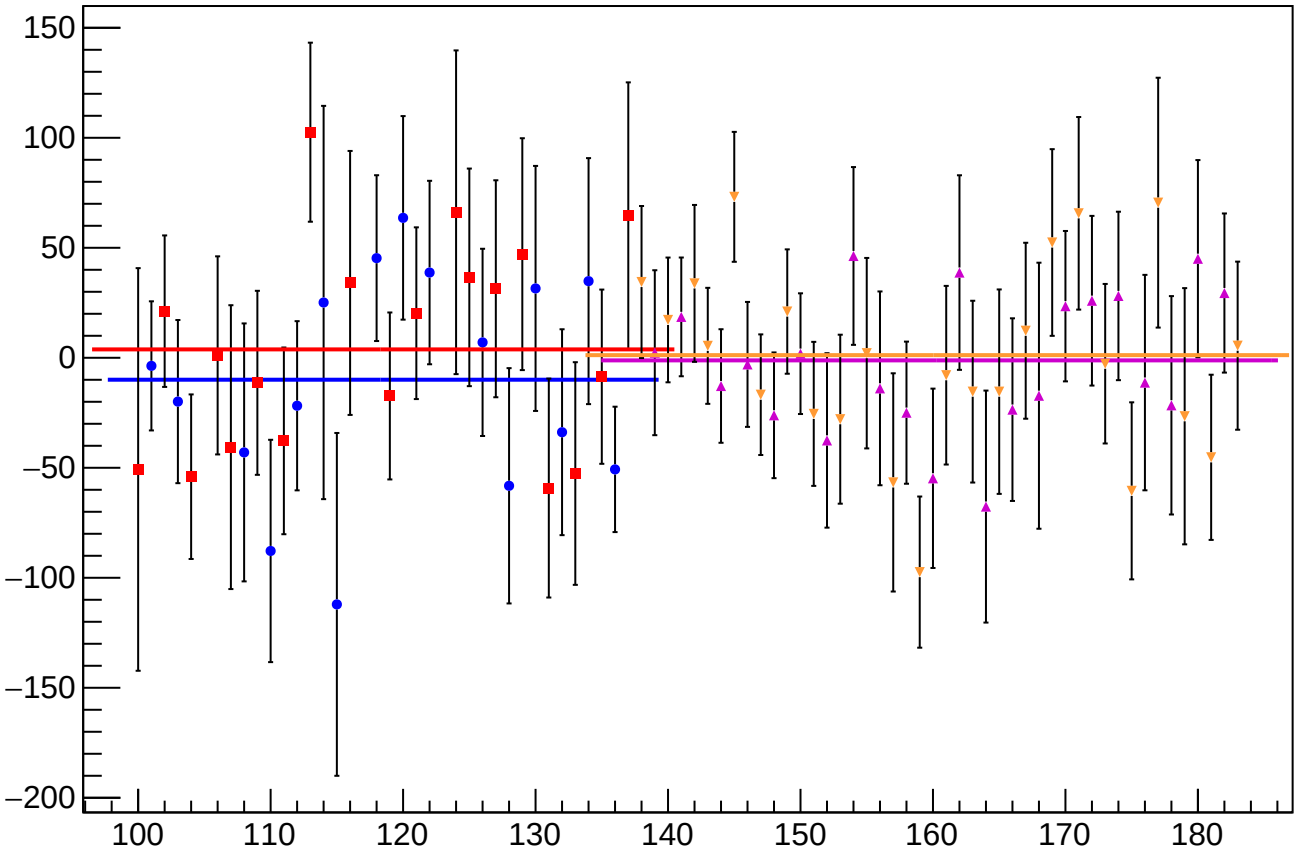
Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4926.221+/-0.921 χ^2/NDF:5913414.3/21

+ sign 5762.425+/-0.864 χ^2/NDF: 6237408.8/39

All: 5413.616+/-0.589 χ^2/NDF: 14926518.4/8

- sign 5110.231+/-0.806 χ^2/NDF: 8384375.3/40



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.200+/-7.419 χ^2/NDF:29.5/23

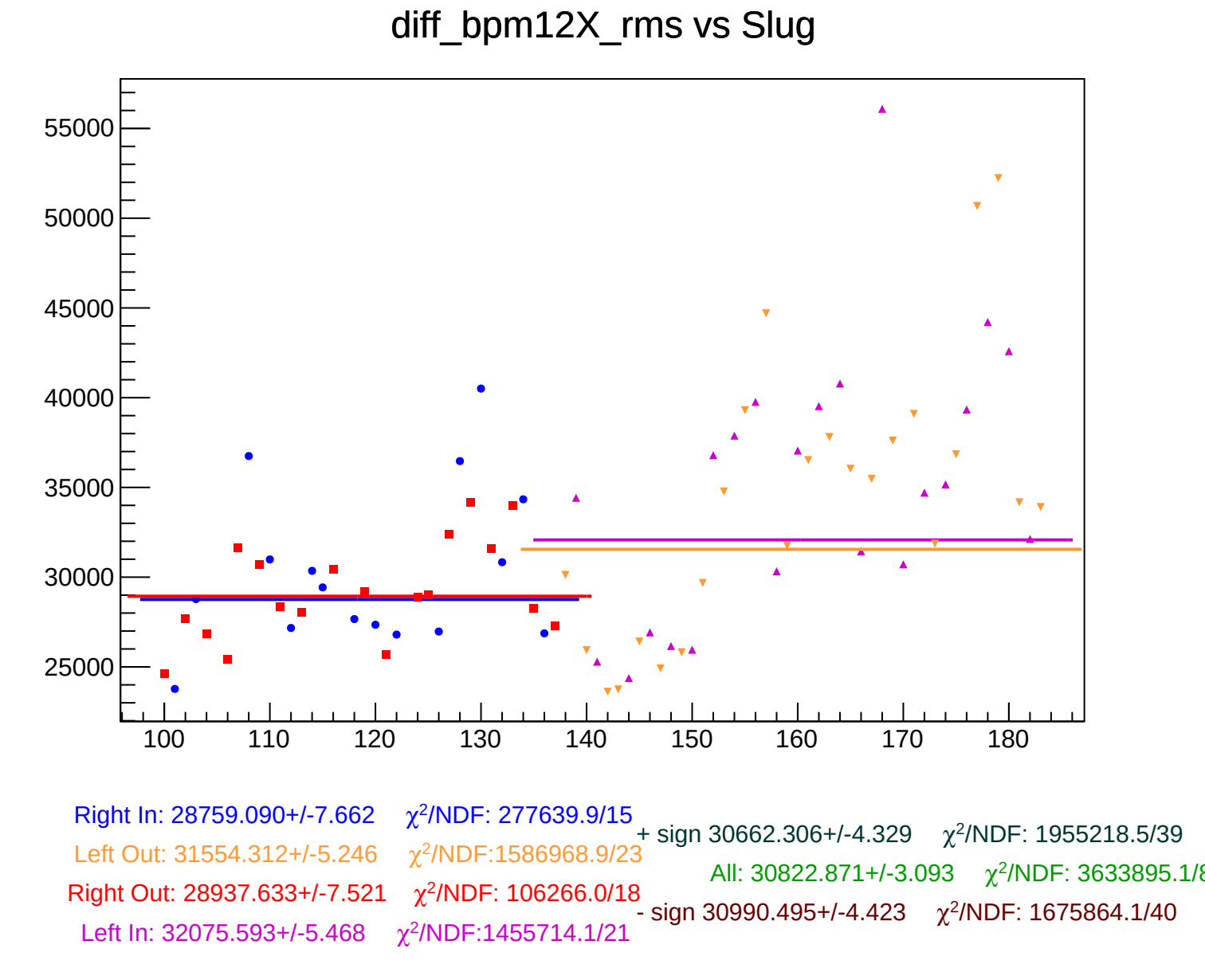
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

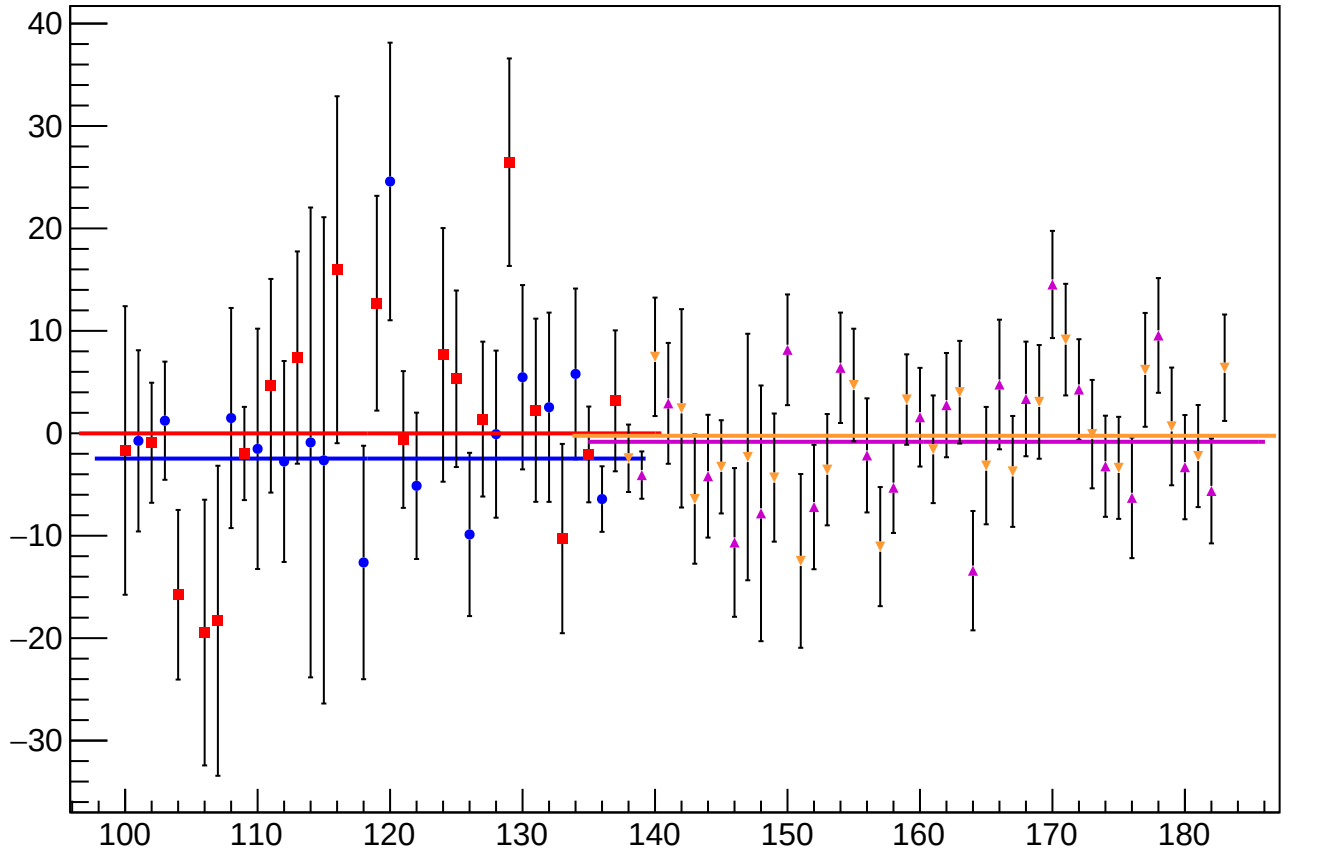
Left In: -1.180+/-7.733 χ^2/NDF:12.5/21

+ sign -2.364+/-6.121 χ^2/NDF: 45.5/39

All: -0.940+/-4.375 χ^2/NDF: 75.5/80

- sign 0.547+/-6.255 χ^2/NDF: 29.9/40


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31554.312+/-5.246 χ²/NDF:1586968.9/23
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.593+/-5.468 χ²/NDF:1455714.1/21
+ sign 30662.306+/-4.329 χ²/NDF: 1955218.5/39
All: 30822.871+/-3.093 χ²/NDF: 3633895.1/8
- sign 30990.495+/-4.423 χ²/NDF: 1675864.1/40



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.243+/-1.102 χ^2/NDF:19.9/23

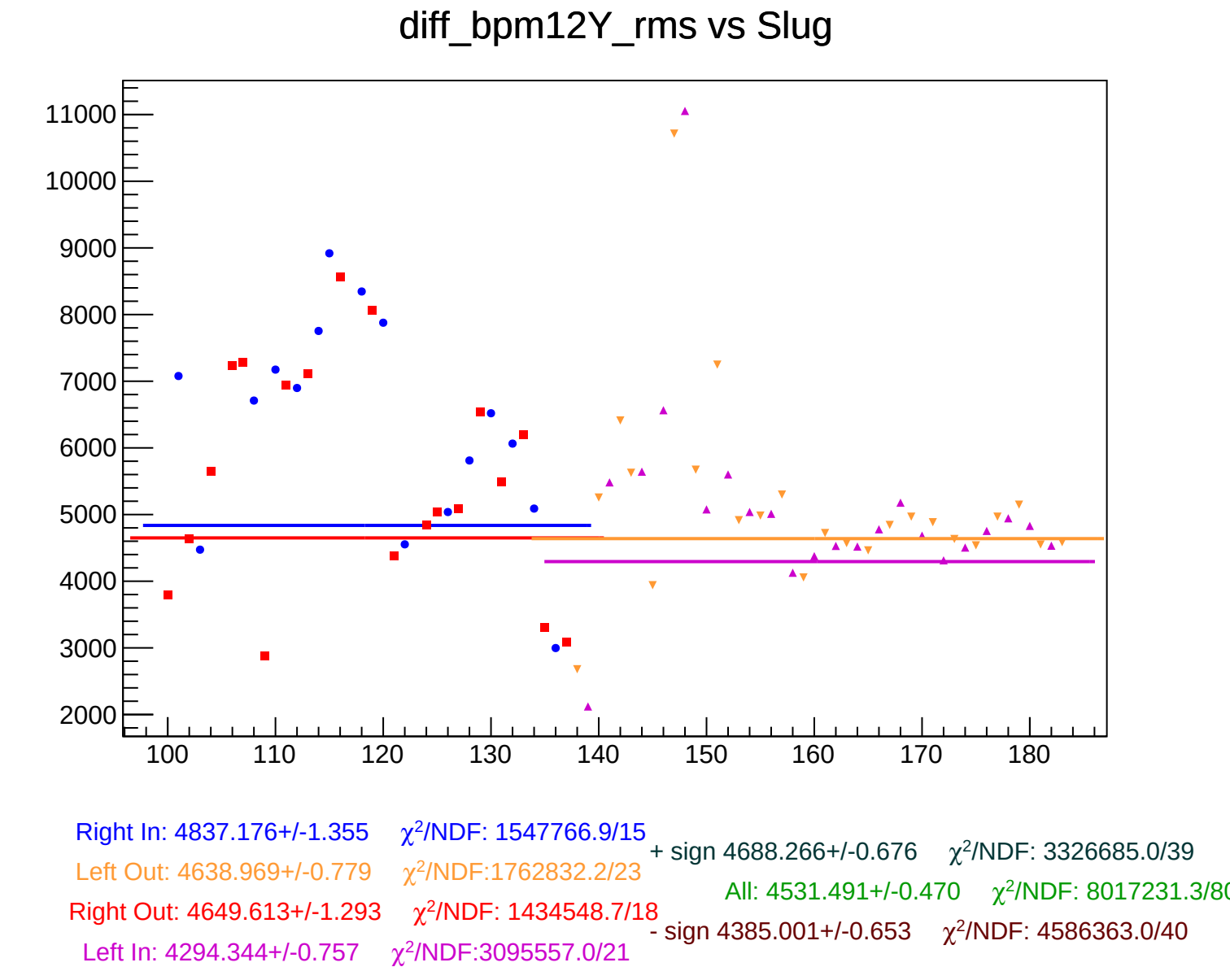
Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: -0.831+/-1.070 χ^2/NDF:33.7/21

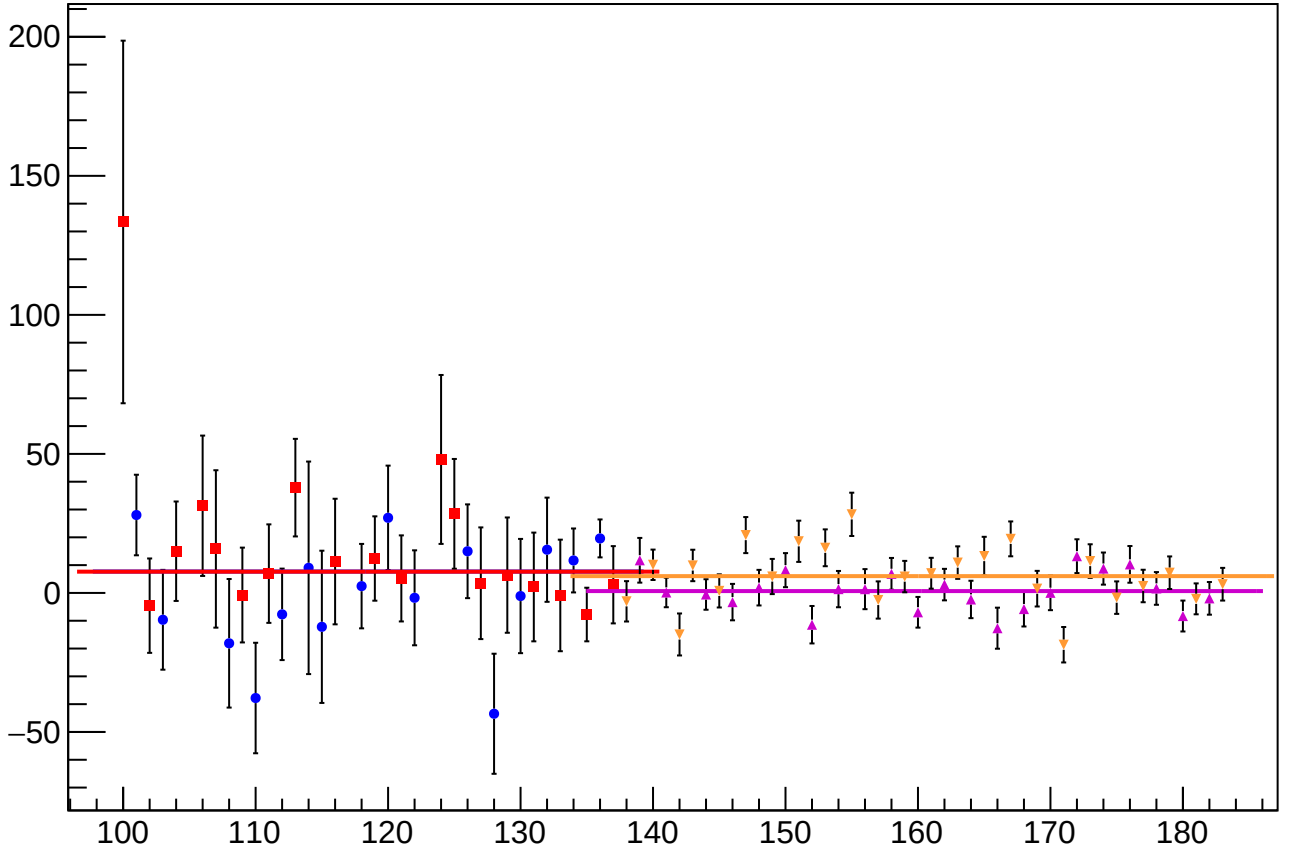
+ sign -0.796+/-0.955 χ^2/NDF: 30.9/39

All: -0.706+/-0.664 χ^2/NDF: 84.7/80

- sign -0.621+/-0.923 χ^2/NDF: 53.8/40


diff_bpm12Y_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 4837.176+/-1.355 χ²/NDF: 1547766.9/15
Left Out: 4638.969+/-0.779 χ²/NDF:1762832.2/23
Right Out: 4649.613+/-1.293 χ²/NDF: 1434548.7/18
Left In: 4294.344+/-0.757 χ²/NDF:3095557.0/21
+ sign 4688.266+/-0.676 χ²/NDF: 3326685.0/39
All: 4531.491+/-0.470 χ²/NDF: 8017231.3/80
- sign 4385.001+/-0.653 χ²/NDF: 4586363.0/40

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.043+/-1.267 χ^2/NDF:58.5/23

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

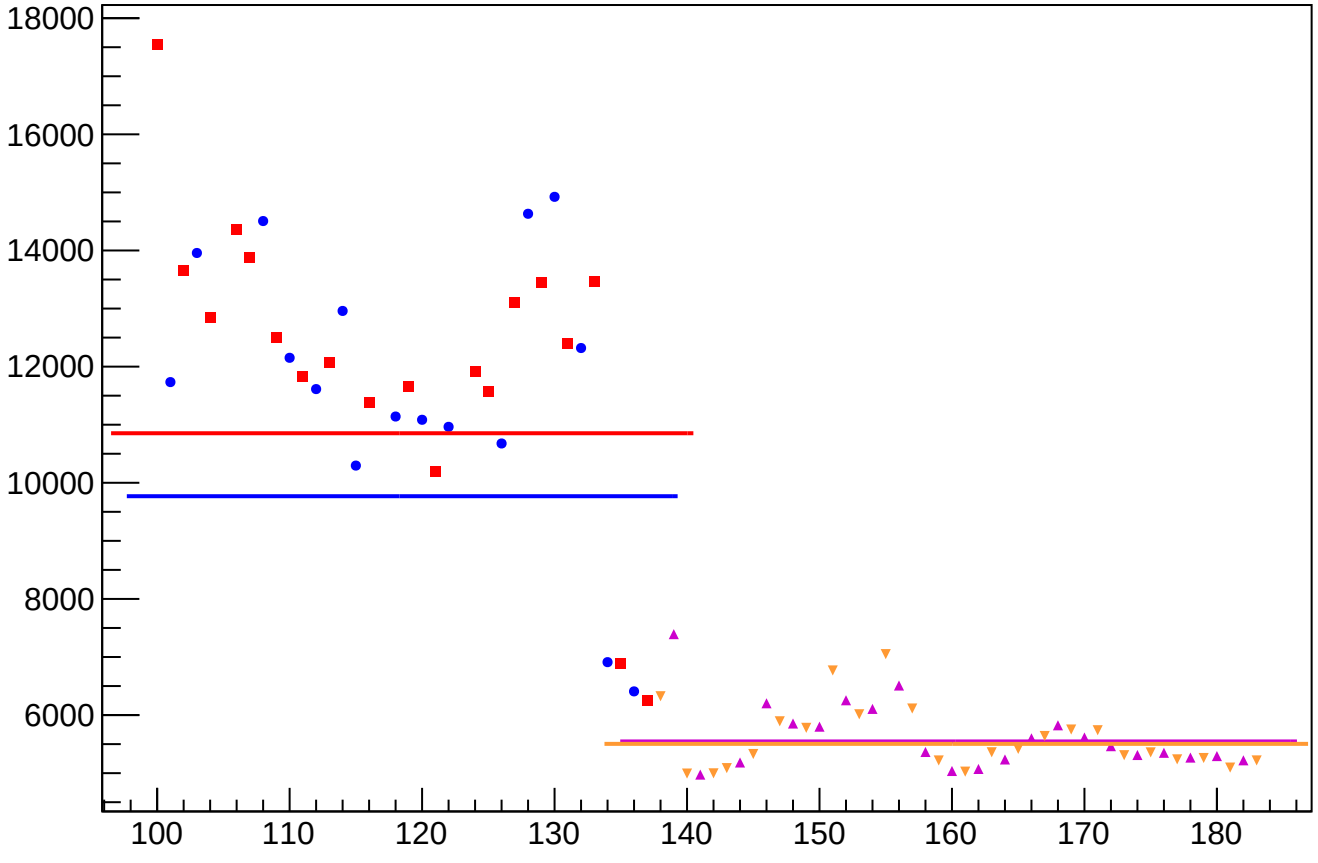
Left In: 0.666+/-1.313 χ^2/NDF:26.1/21

+ sign 6.207+/-1.203 χ^2/NDF: 80.3/39

All: 3.858+/-0.867 χ^2/NDF: 131.5/80

- sign 1.316+/-1.251 χ^2/NDF: 43.3/40

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5504.376+/-0.896 χ^2/NDF:295552.5/23

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

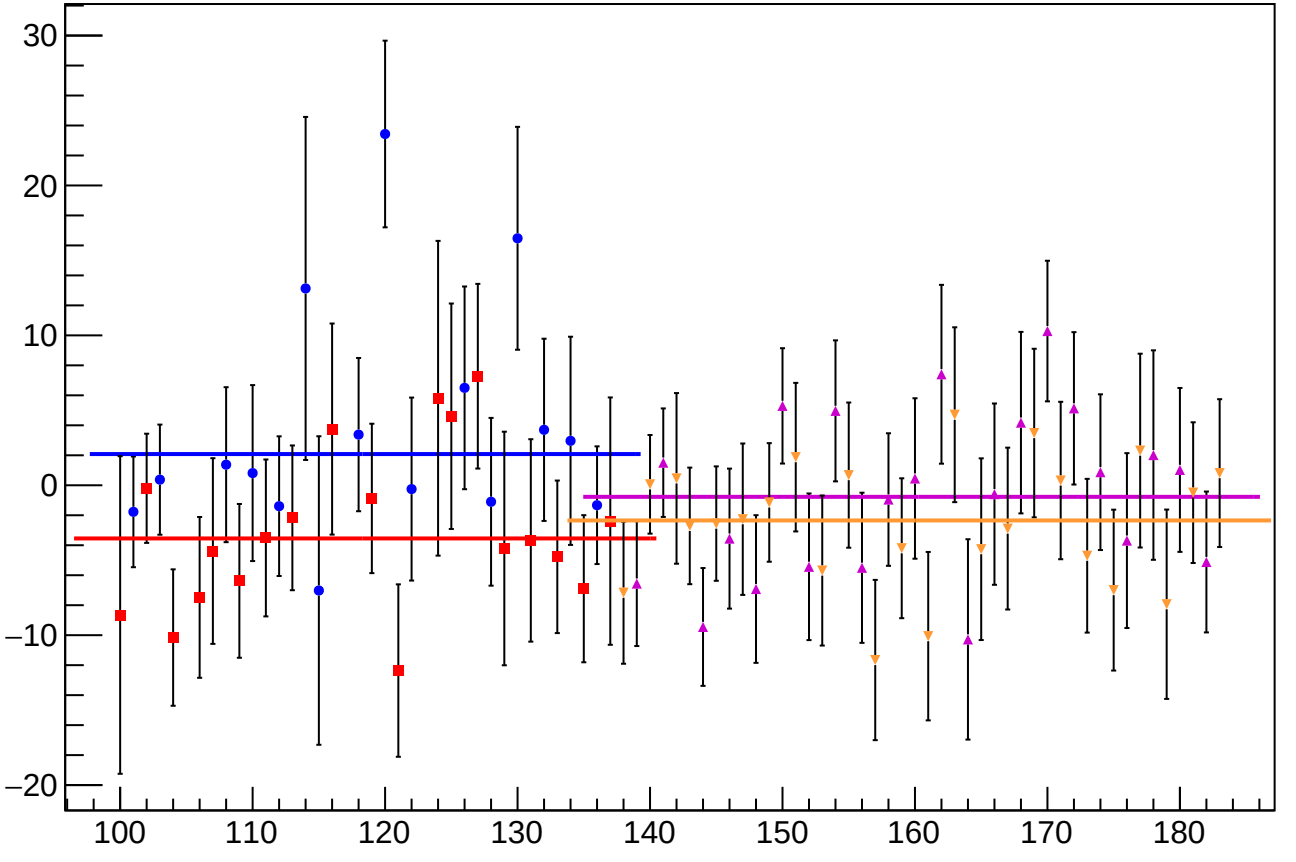
Left In: 5546.130+/-0.929 χ^2/NDF:299857.5/21

+ sign 5927.134+/-0.850 χ^2/NDF: 3754832.1/39

All: 5981.475+/-0.613 χ^2/NDF: 7977572.0/80

- sign 6040.252+/-0.884 χ^2/NDF: 4214240.8/40

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.346+/-0.996 χ^2/NDF:14.3/23

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

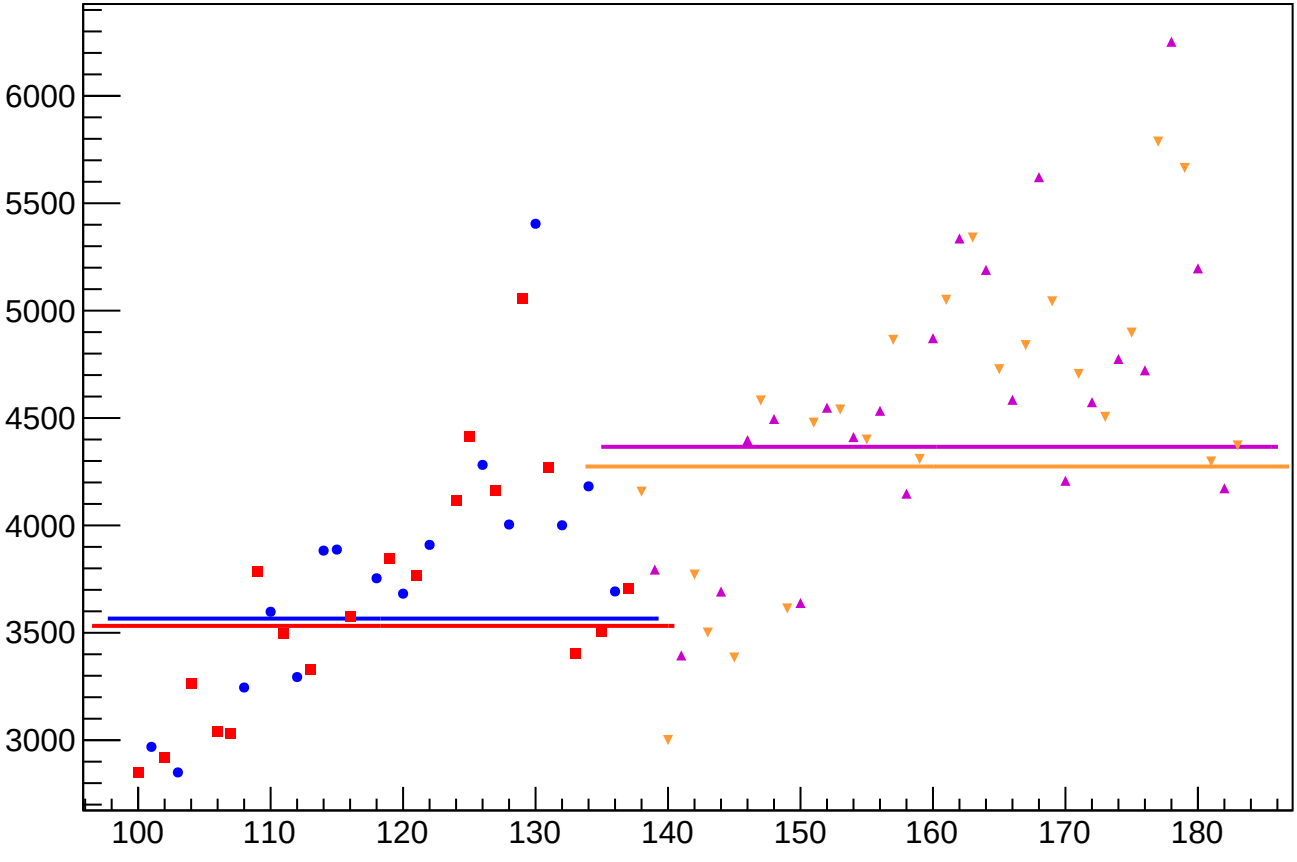
Left In: -0.771+/-1.042 χ^2/NDF:27.9/21

+ sign -0.779+/-0.800 χ^2/NDF: 42.2/39

All: -1.307+/-0.571 χ^2/NDF: 87.2/80

- sign -1.852+/-0.814 χ^2/NDF: 44.1/40

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4274.228+/-0.704 χ^2/NDF:1029482.0/23

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

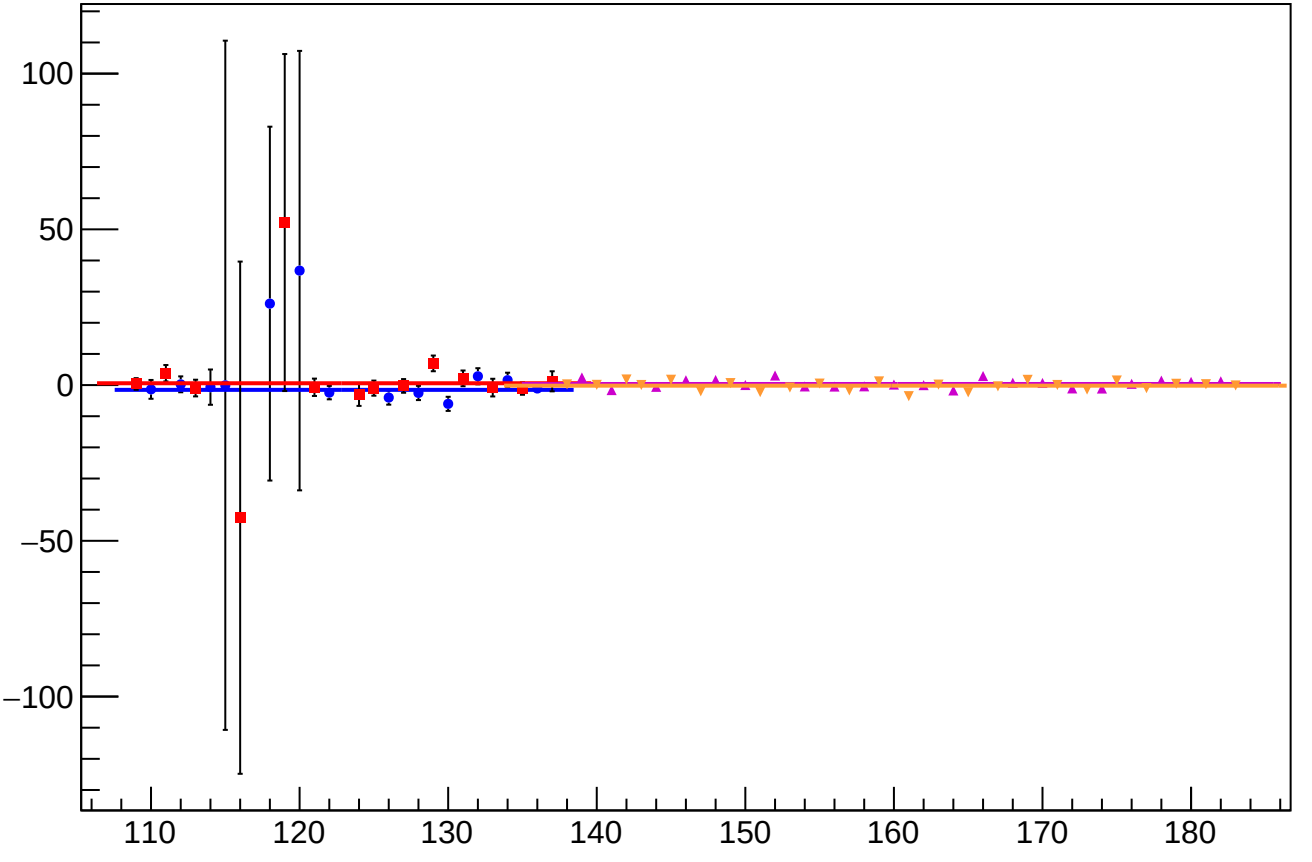
Left In: 4365.960+/-0.737 χ^2/NDF:734056.8/21

+ sign 4023.641+/-0.566 χ^2/NDF: 1728557.6/39

All: 4032.253+/-0.404 χ^2/NDF: 3240774.7/80

- sign 4041.162+/-0.576 χ^2/NDF: 1511745.9/40

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.188+/-0.236 χ^2/NDF:33.6/23

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

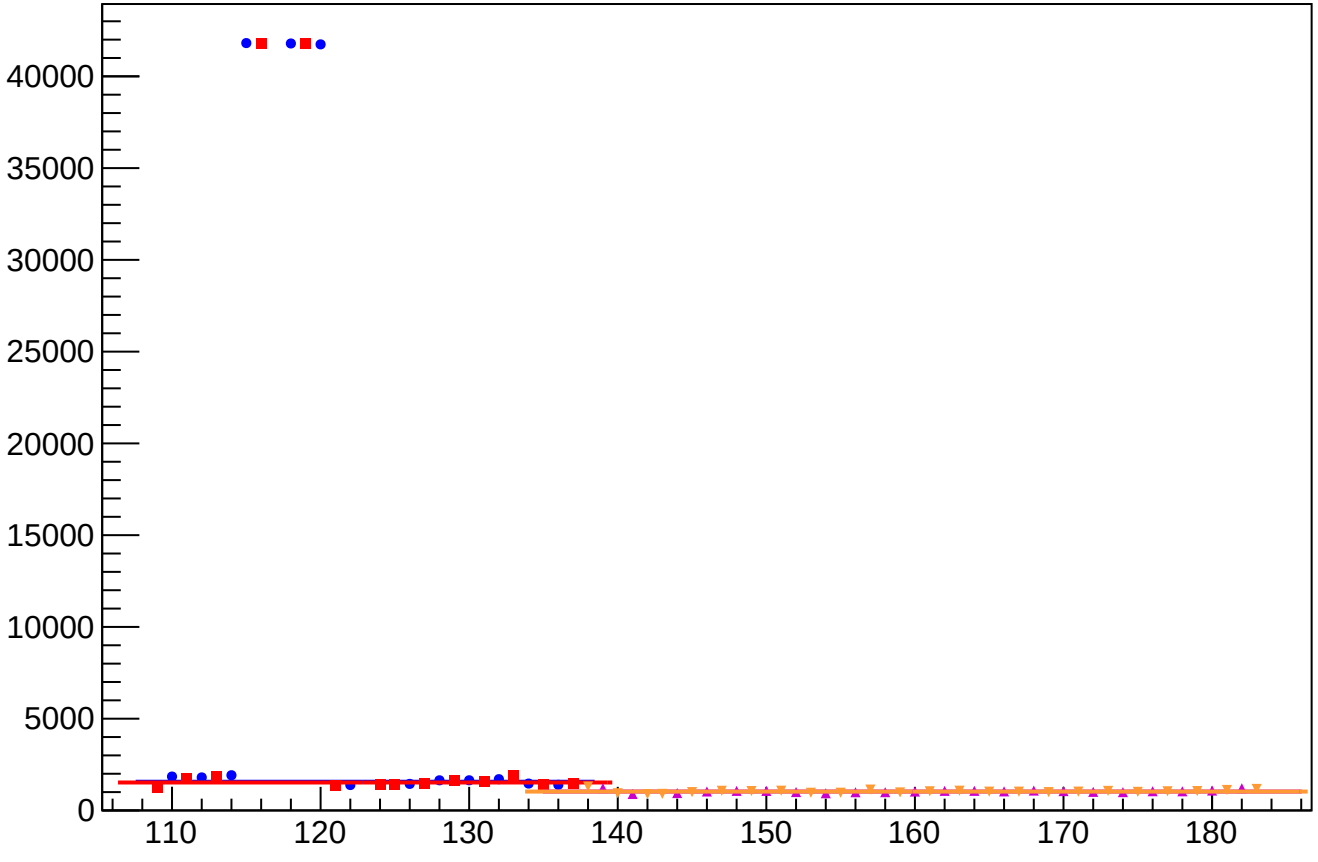
Left In: 0.349+/-0.244 χ^2/NDF:29.1/21

+ sign -0.315+/-0.225 χ^2/NDF: 47.7/36

All: 0.021+/-0.161 χ^2/NDF: 94.2/72

- sign 0.374+/-0.231 χ^2/NDF: 41.9/35

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1029.112+/-0.167 χ^2/NDF:220169.8/23

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

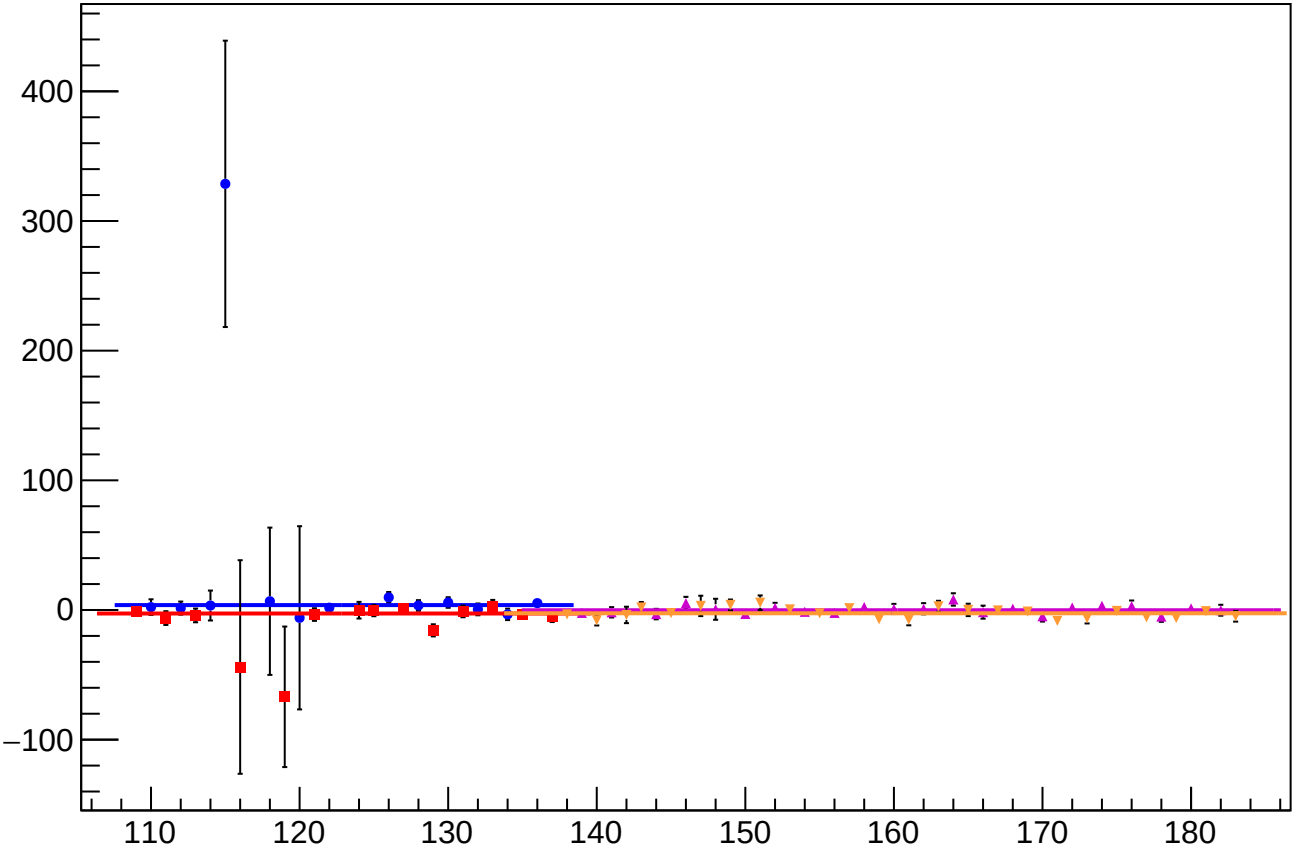
Left In: 1030.265+/-0.172 χ^2/NDF:168988.1/21

+ sign 1079.605+/-0.159 χ^2/NDF: 3203541.7/36

All: 1080.424+/-0.114 χ^2/NDF: 5961216.7/72

- sign 1081.284+/-0.163 χ^2/NDF: 2757620.6/35

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.534+/-0.786 χ^2/NDF:20.7/23

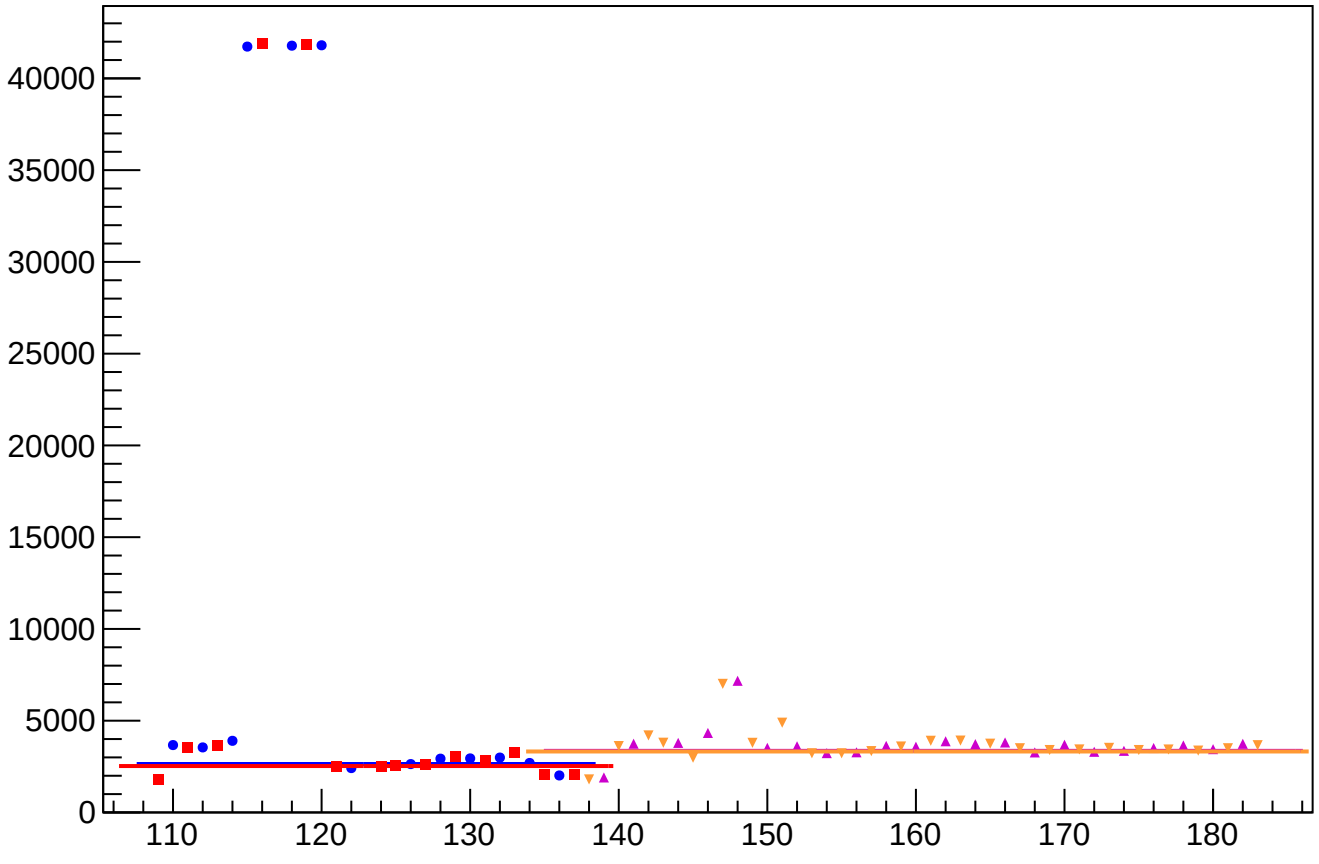
Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: -0.197+/-0.815 χ^2/NDF:12.6/21

+ sign -0.742+/-0.665 χ^2/NDF: 54.1/36

All: -0.859+/-0.474 χ^2/NDF: 83.4/72

- sign -0.981+/-0.676 χ^2/NDF: 29.2/35



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3322.439+/-0.556 χ^2/NDF:1905238.5/23

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

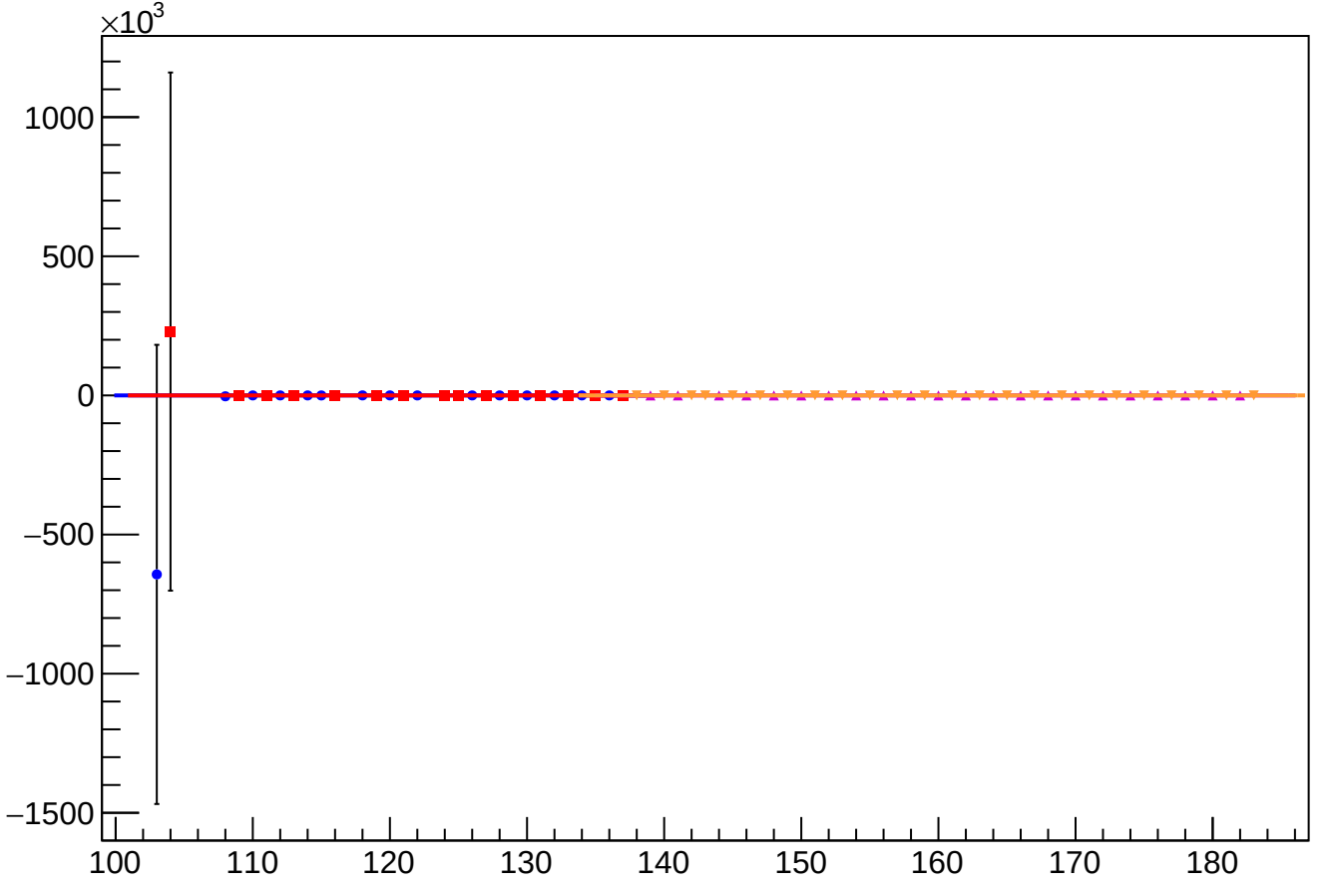
Left In: 3356.023+/-0.577 χ^2/NDF:1644587.9/21

+ sign 3128.588+/-0.470 χ^2/NDF: 4506653.8/36

All: 3113.545+/-0.335 χ^2/NDF: 8745048.0/72

- sign 3097.996+/-0.478 χ^2/NDF: 4236314.8/35

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.604+/-0.365 χ^2/NDF:49.7/23

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

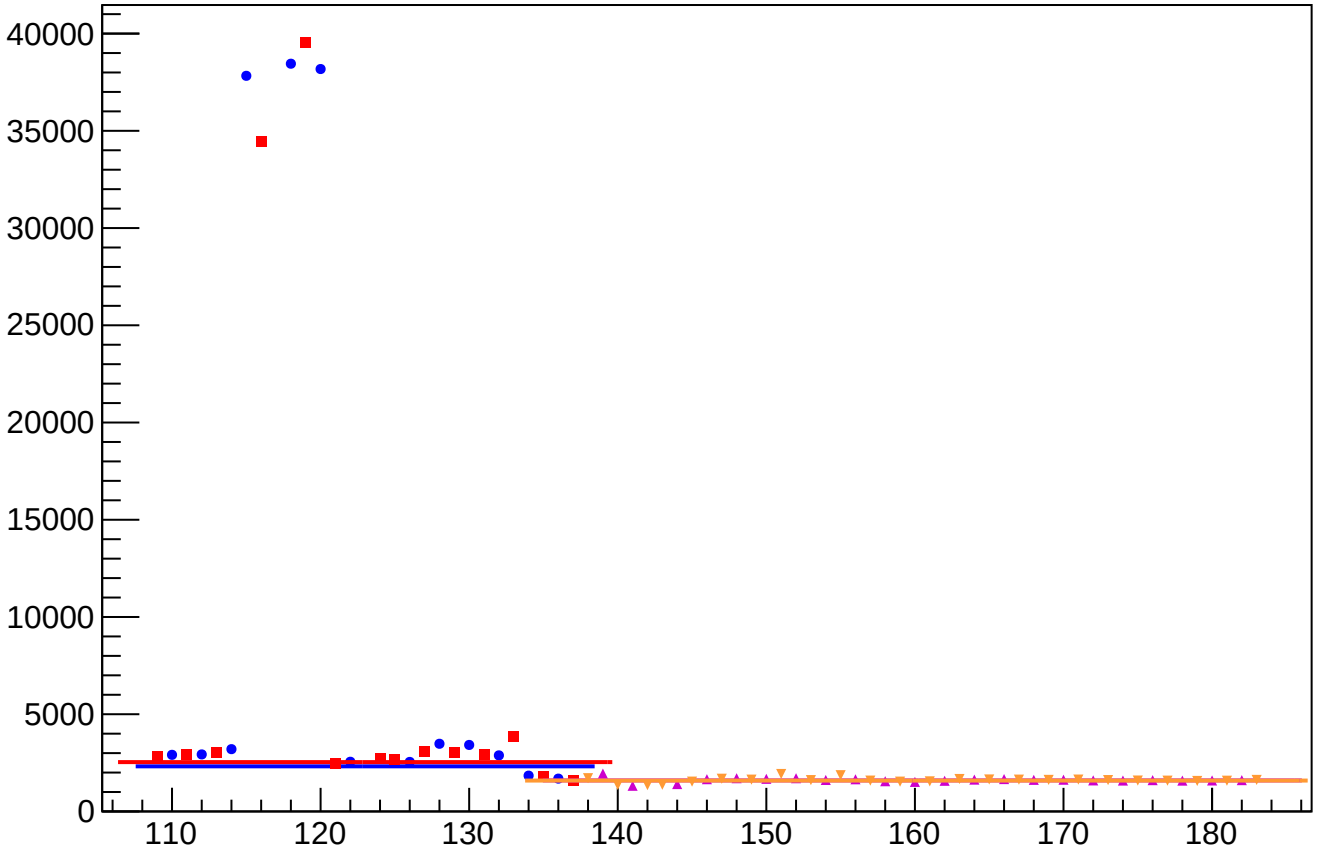
Left In: -0.030+/-0.377 χ^2/NDF:26.3/21

+ sign -1.567+/-0.347 χ^2/NDF: 68.6/38

All: -0.939+/-0.250 χ^2/NDF: 120.4/75

- sign -0.263+/-0.360 χ^2/NDF: 45.1/36

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.525+/-0.258 χ^2/NDF:231383.6/23

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

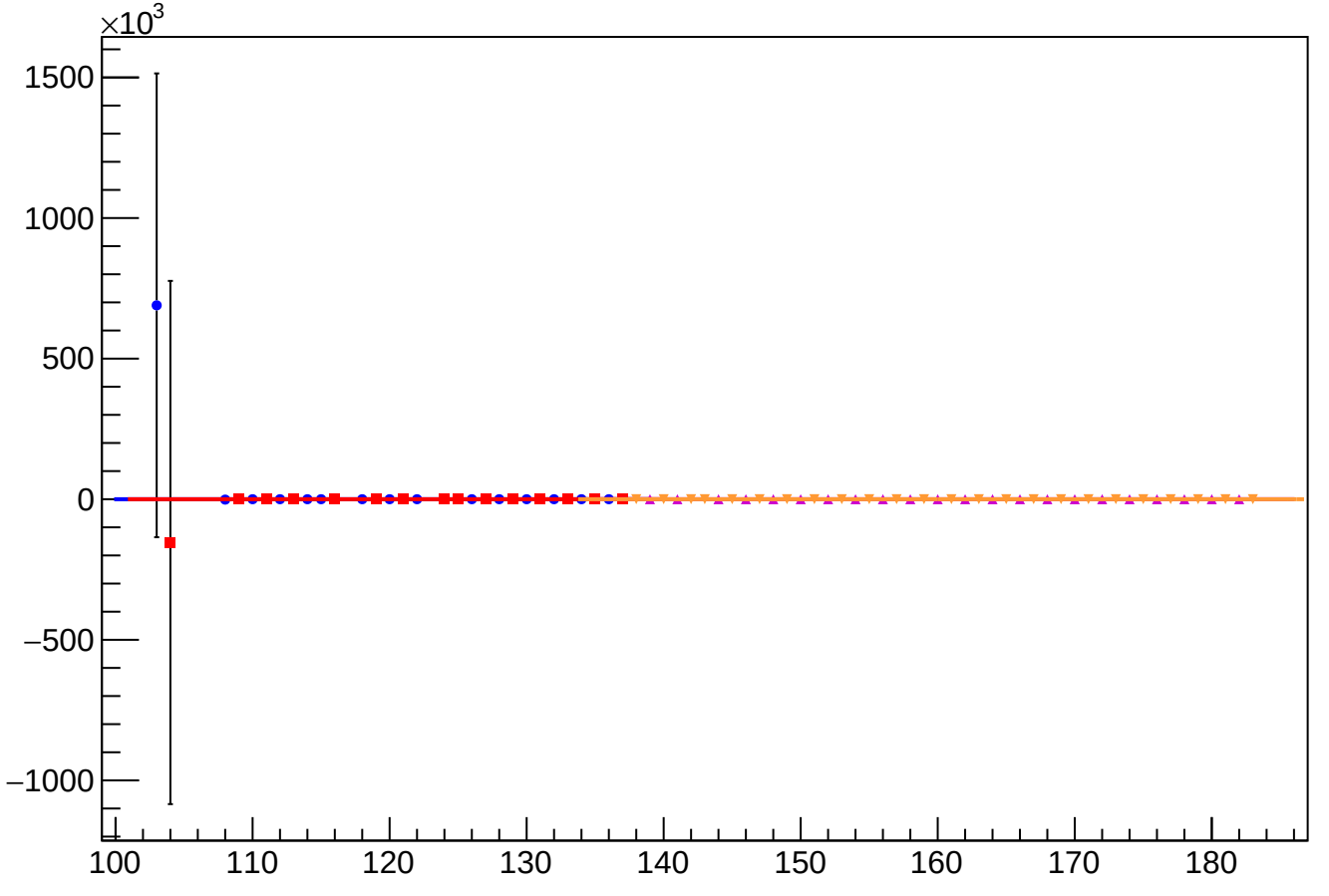
Left In: 1595.469+/-0.267 χ^2/NDF:196374.4/21

+ sign 1658.254+/-0.246 χ^2/NDF: 3458358.5/36

All: 1668.172+/-0.177 χ^2/NDF: 6799444.4/72

- sign 1678.845+/-0.255 χ^2/NDF: 3337699.8/35

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.261+/-0.506 χ^2/NDF:22.3/23

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

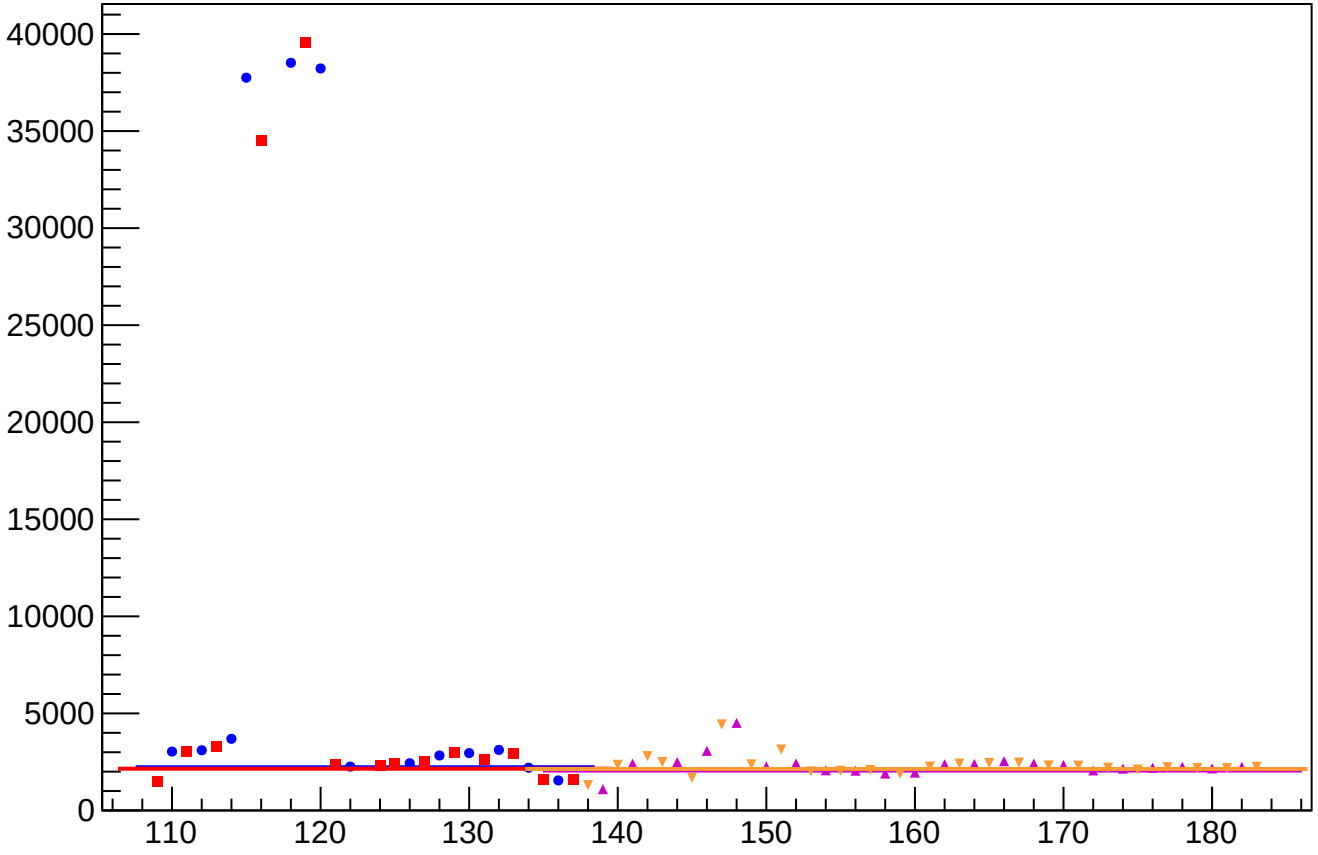
Left In: 0.083+/-0.505 χ^2/NDF:16.4/21

+ sign -0.724+/-0.458 χ^2/NDF: 33.5/38

All: -0.504+/-0.323 χ^2/NDF: 68.6/75

- sign -0.287+/-0.455 χ^2/NDF: 34.6/36

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2137.120+/-0.357 χ^2/NDF:1477099.6/23

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

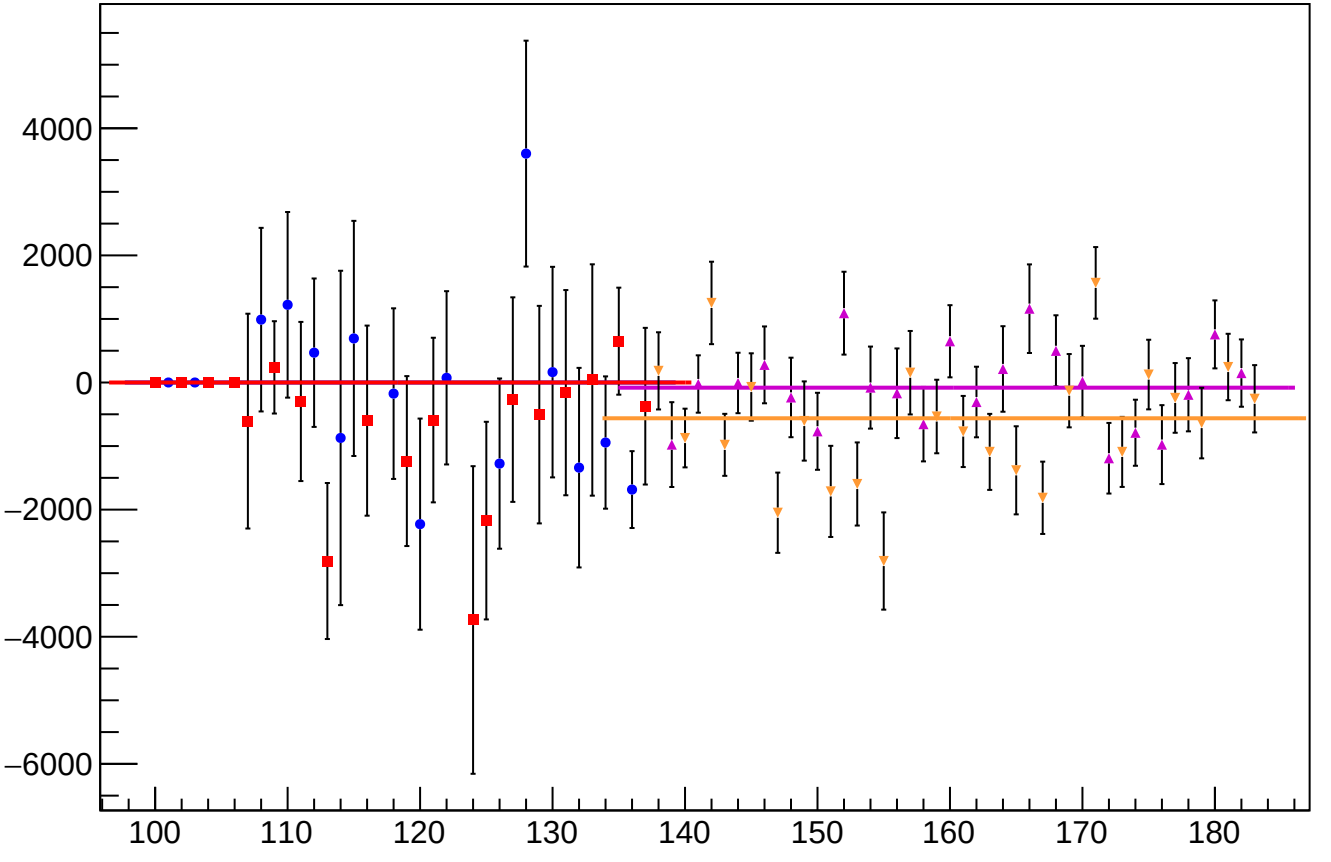
Left In: 2055.693+/-0.357 χ^2/NDF:2290276.3/21

+ sign 2153.355+/-0.324 χ^2/NDF: 4010796.5/36

All: 2113.236+/-0.228 χ^2/NDF: 8576286.5/72

- sign 2073.523+/-0.322 χ^2/NDF: 4534899.9/35

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -562.654+/-118.129 χ^2/NDF:59.4/23

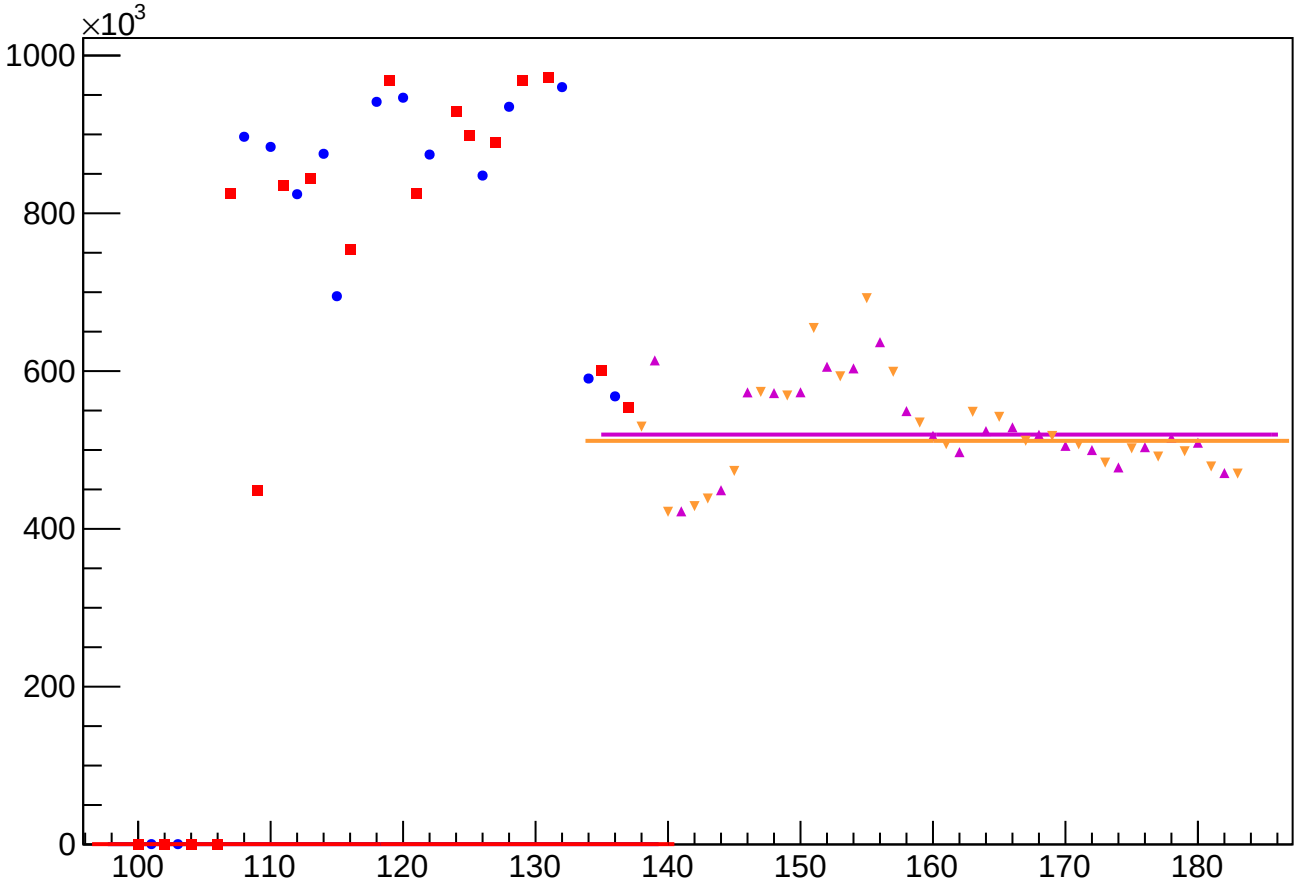
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -81.367+/-123.220 χ^2/NDF:24.7/21

+ sign 0.250+/-0.356 χ^2/NDF: 99.9/39

All: 0.166+/-0.241 χ^2/NDF: 140.5/80

- sign 0.095+/-0.328 χ^2/NDF: 40.5/40



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 511579.921+/-83.529 χ^2/NDF:504454.7/23

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

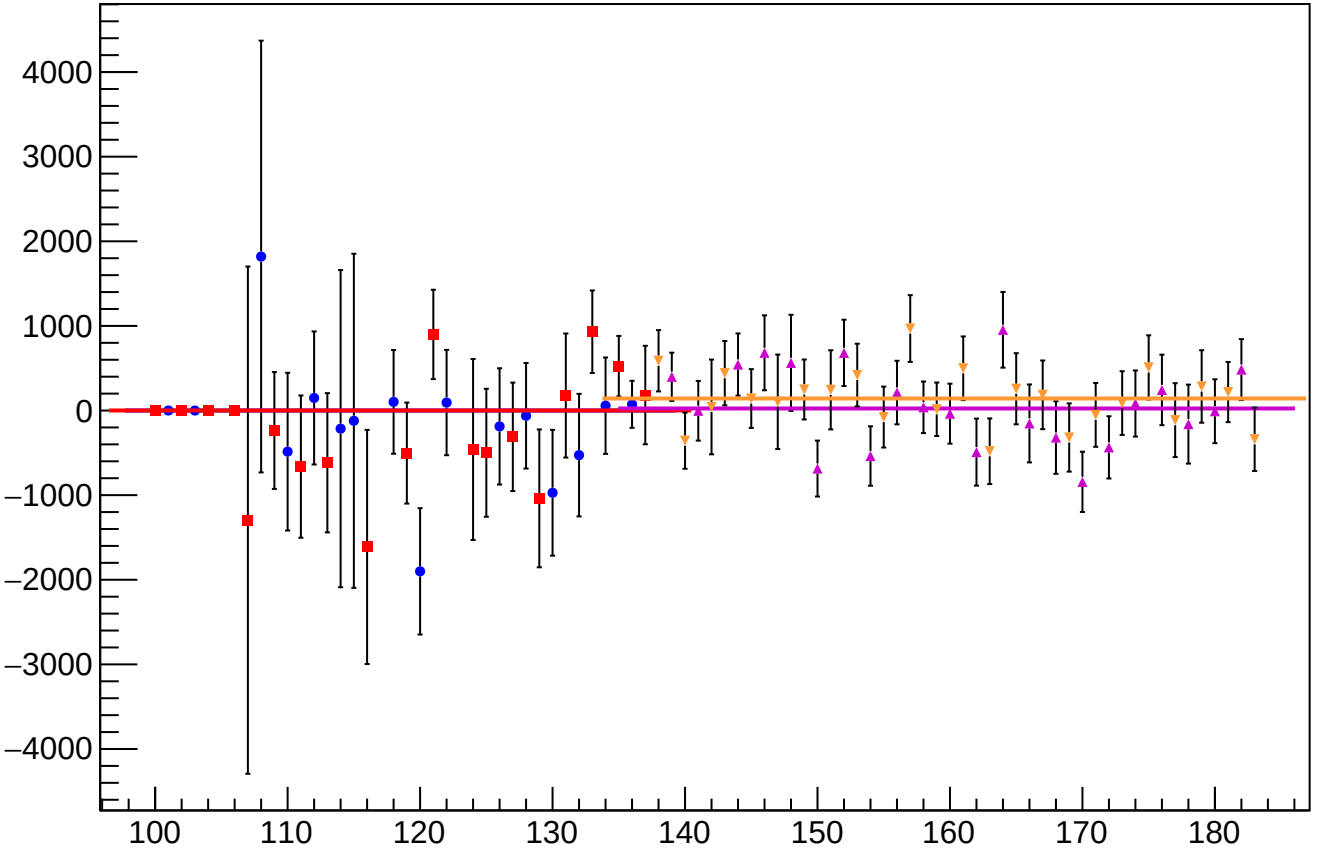
Left In: 519531.692+/-87.130 χ^2/NDF:390481.4/21

+ sign 403.515+/-0.251 χ^2/NDF: 46447506.9/38

All: 399.945+/-0.170 χ^2/NDF: 89987043.6/78

- sign 396.913+/-0.232 χ^2/NDF: 43539164.2/39

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 142.459+/-78.897 χ^2/NDF:18.3/23

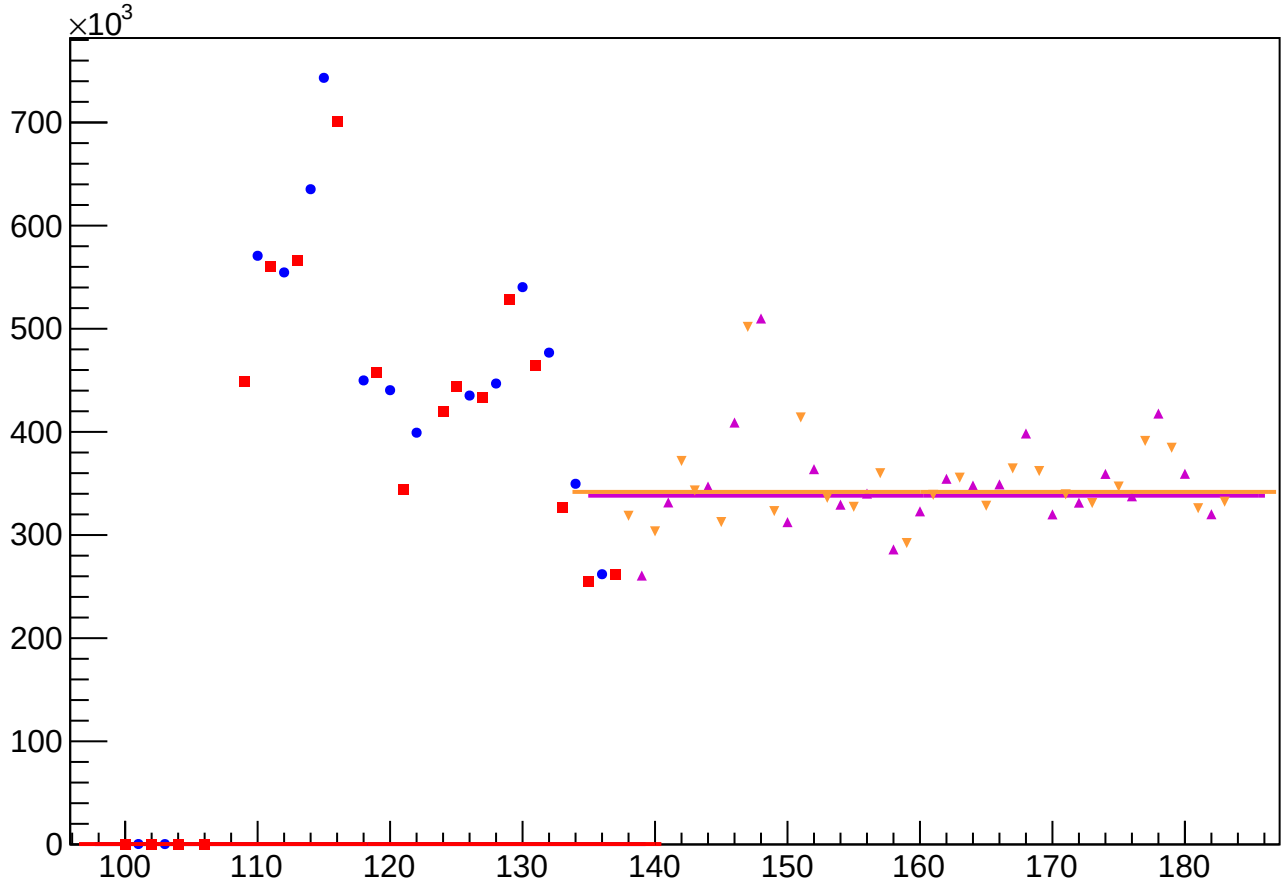
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 24.347+/-80.588 χ^2/NDF:33.5/21

+ sign -0.018+/-0.347 χ^2/NDF: 32.0/39

All: 0.312+/-0.237 χ^2/NDF: 82.3/80

- sign 0.599+/-0.324 χ^2/NDF: 48.6/40



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341824.265+/-55.788 χ^2/NDF:398318.6/23

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

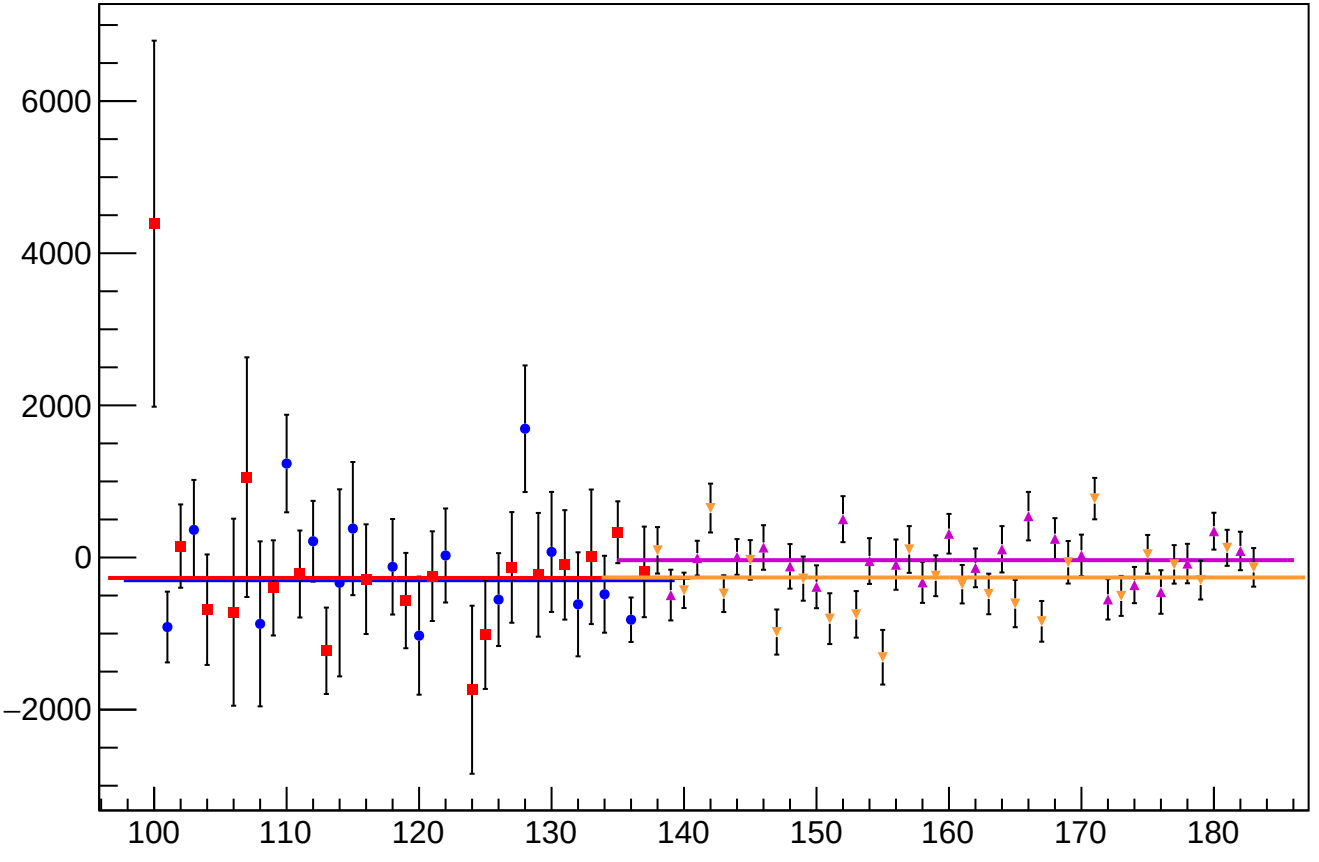
Left In: 338169.096+/-56.987 χ^2/NDF:594087.6/21

+ sign 396.885+/-0.245 χ^2/NDF: 48986375.2/38

All: 395.041+/-0.167 χ^2/NDF: 95787412.6/78

- sign 393.437+/-0.229 χ^2/NDF: 46800931.9/39

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -262.717+/-55.864 χ^2/NDF:59.9/23

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

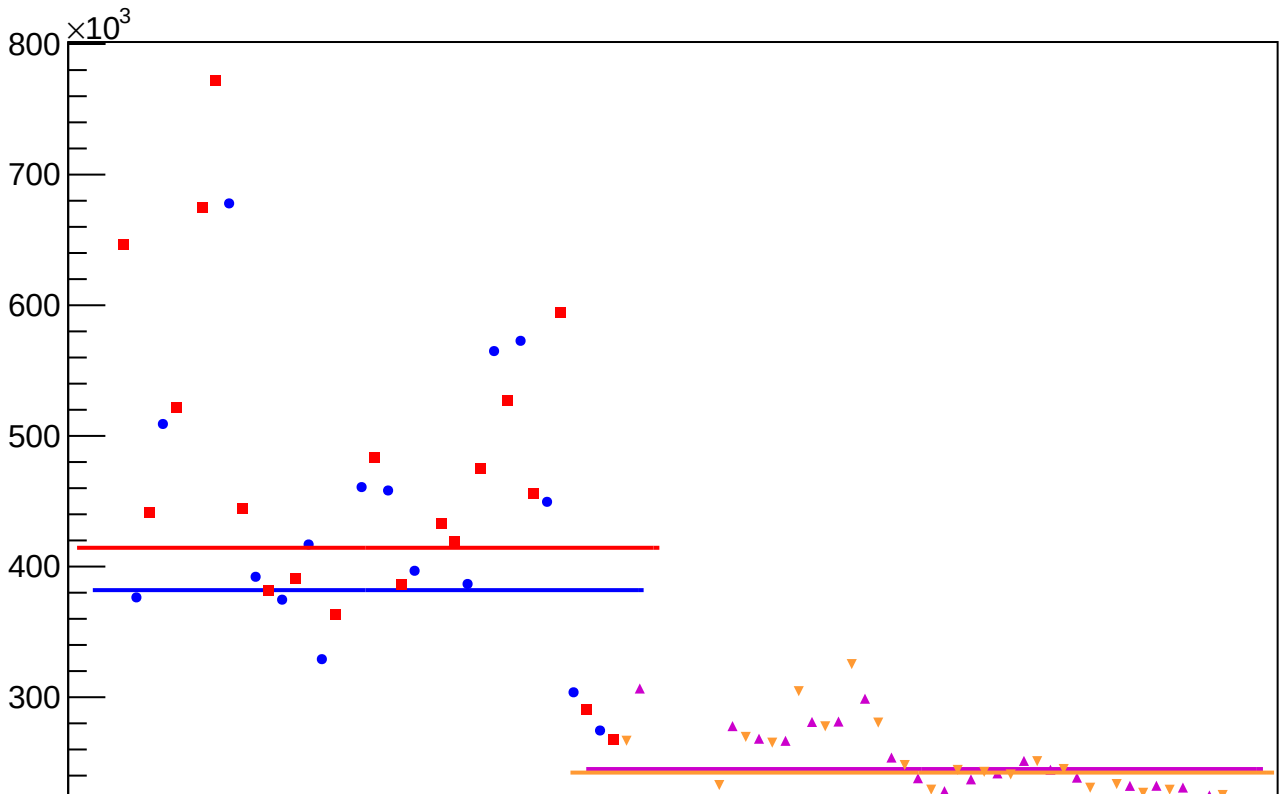
Left In: -34.951+/-58.072 χ^2/NDF:25.4/21

+ sign -267.183+/-52.237 χ^2/NDF: 81.1/39

All: -169.436+/-37.695 χ^2/NDF: 129.6/80

- sign -63.238+/-54.448 χ^2/NDF: 41.2/40

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 242312.512+/-39.502 χ^2/NDF:409524.2/23

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

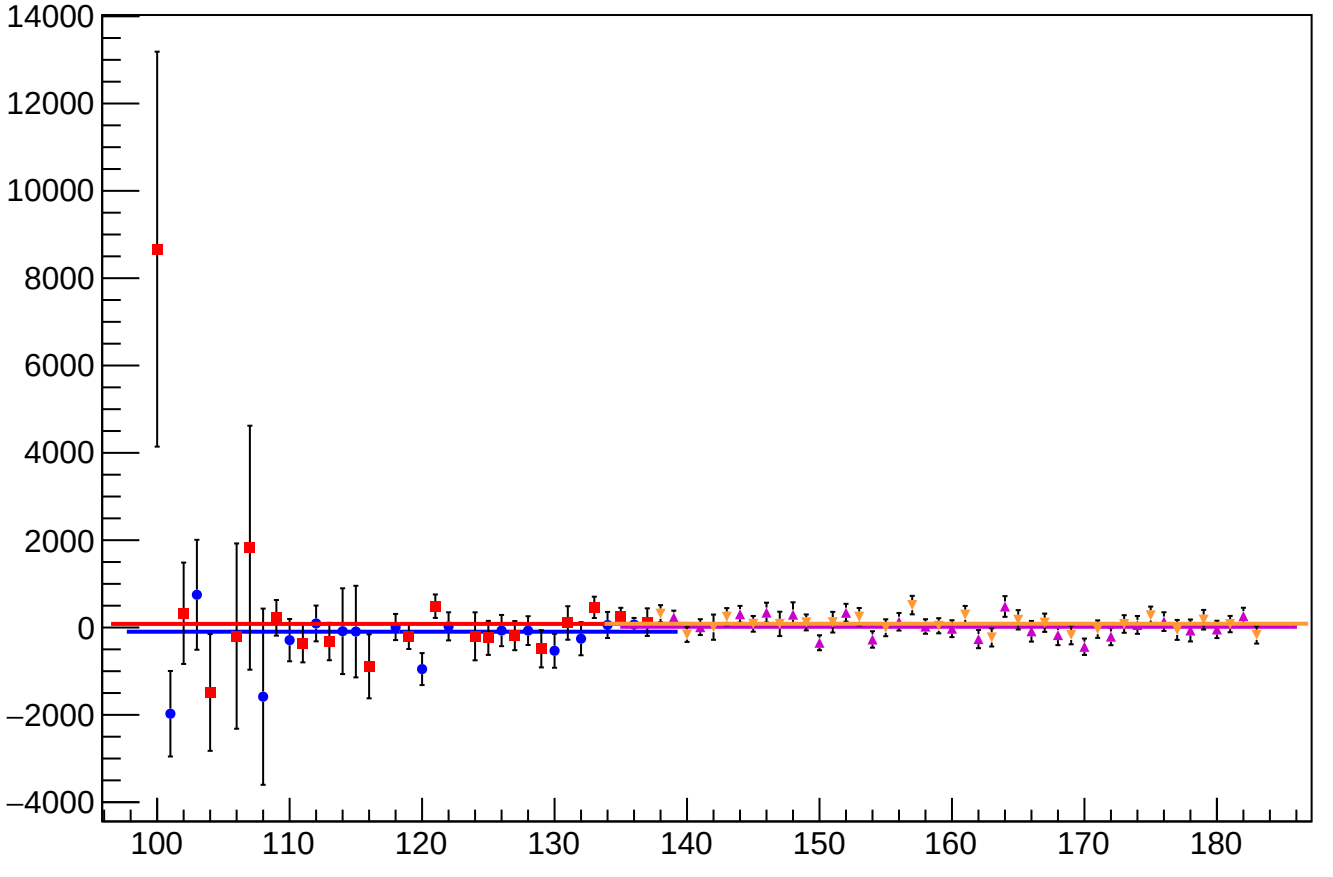
Left In: 245032.645+/-41.063 χ^2/NDF:354462.6/21

+ sign 259853.367+/-36.938 χ^2/NDF: 2815776.9/39

All: 262559.629+/-26.655 χ^2/NDF: 5997080.

- sign 265499.891+/-38.502 χ^2/NDF: 3170104.2/40

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 87.050+/-41.638 χ^2/NDF:17.7/23

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

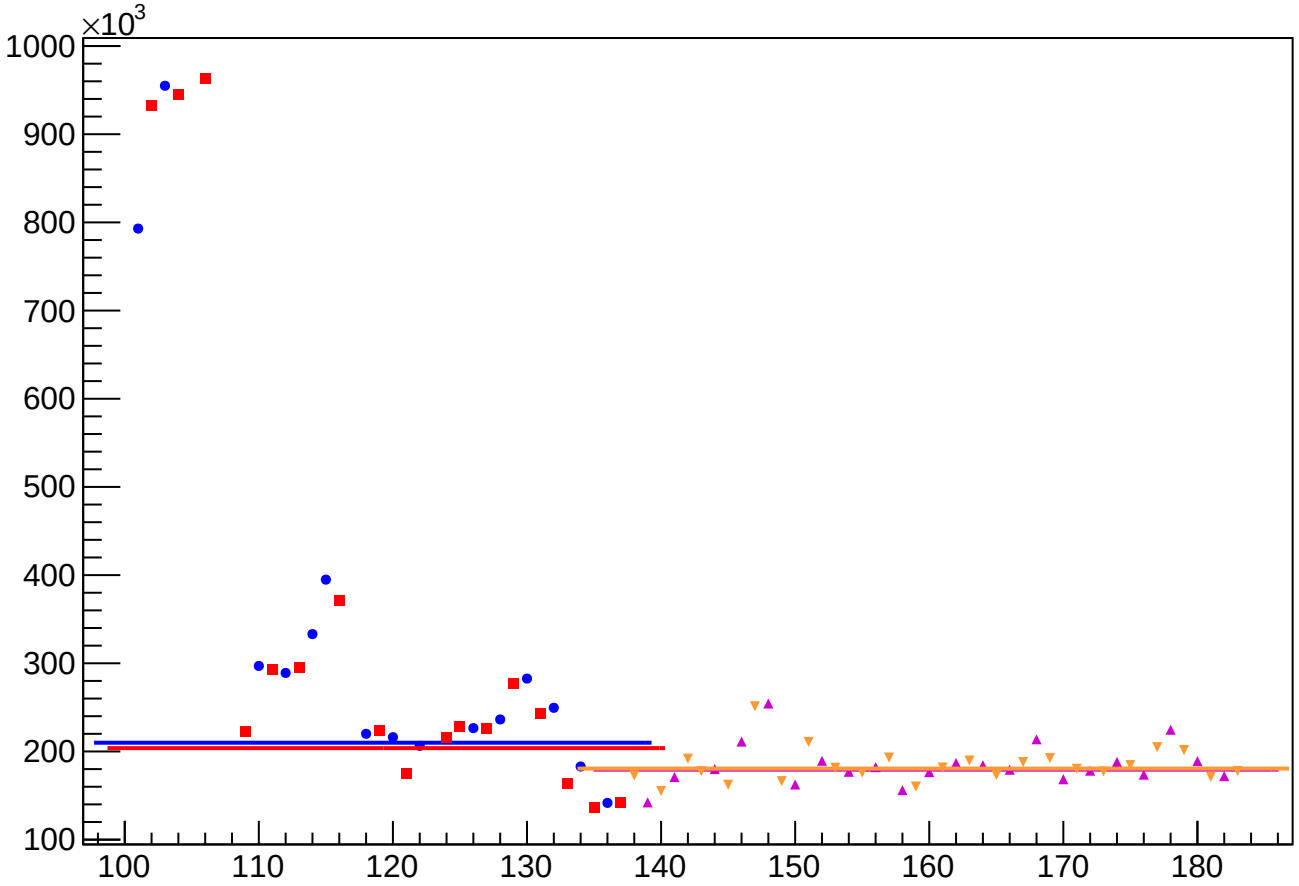
Left In: 17.494+/-42.664 χ^2/NDF:32.8/21

+ sign 53.758+/-37.658 χ^2/NDF: 34.9/39

All: 42.125+/-26.864 χ^2/NDF: 87.5/80

- sign 30.071+/-38.333 χ^2/NDF: 52.4/40

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 180585.749+/-29.442 χ^2/NDF:342377.2/23

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

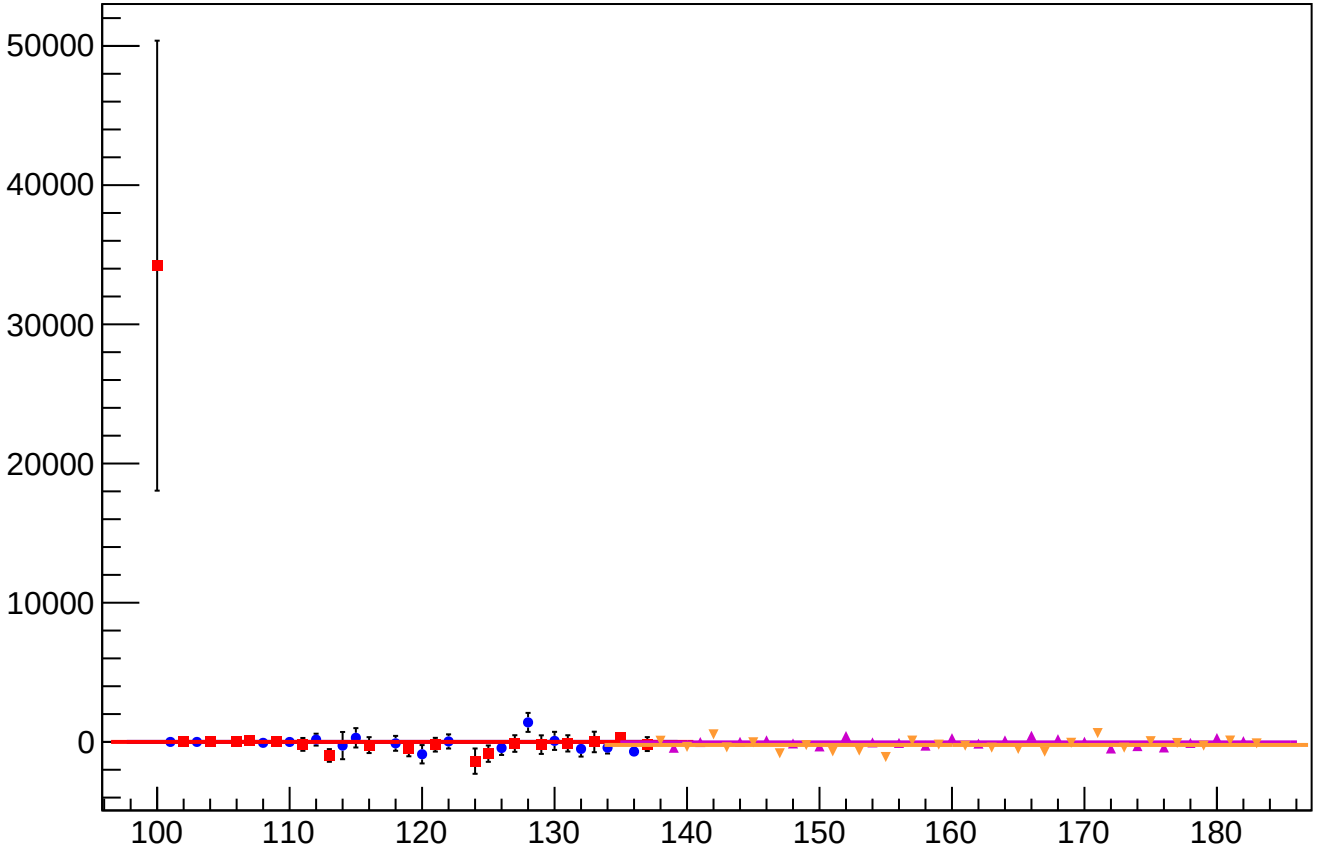
Left In: 179365.047+/-30.168 χ^2/NDF:495048.0/21

+ sign 185911.697+/-26.637 χ^2/NDF: 2482560.8/38

All: 184999.688+/-19.003 χ^2/NDF: 5176341.

- sign 184054.402+/-27.118 χ^2/NDF: 2691393.3/38

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -217.646+/-46.675 χ^2/NDF:59.6/23

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

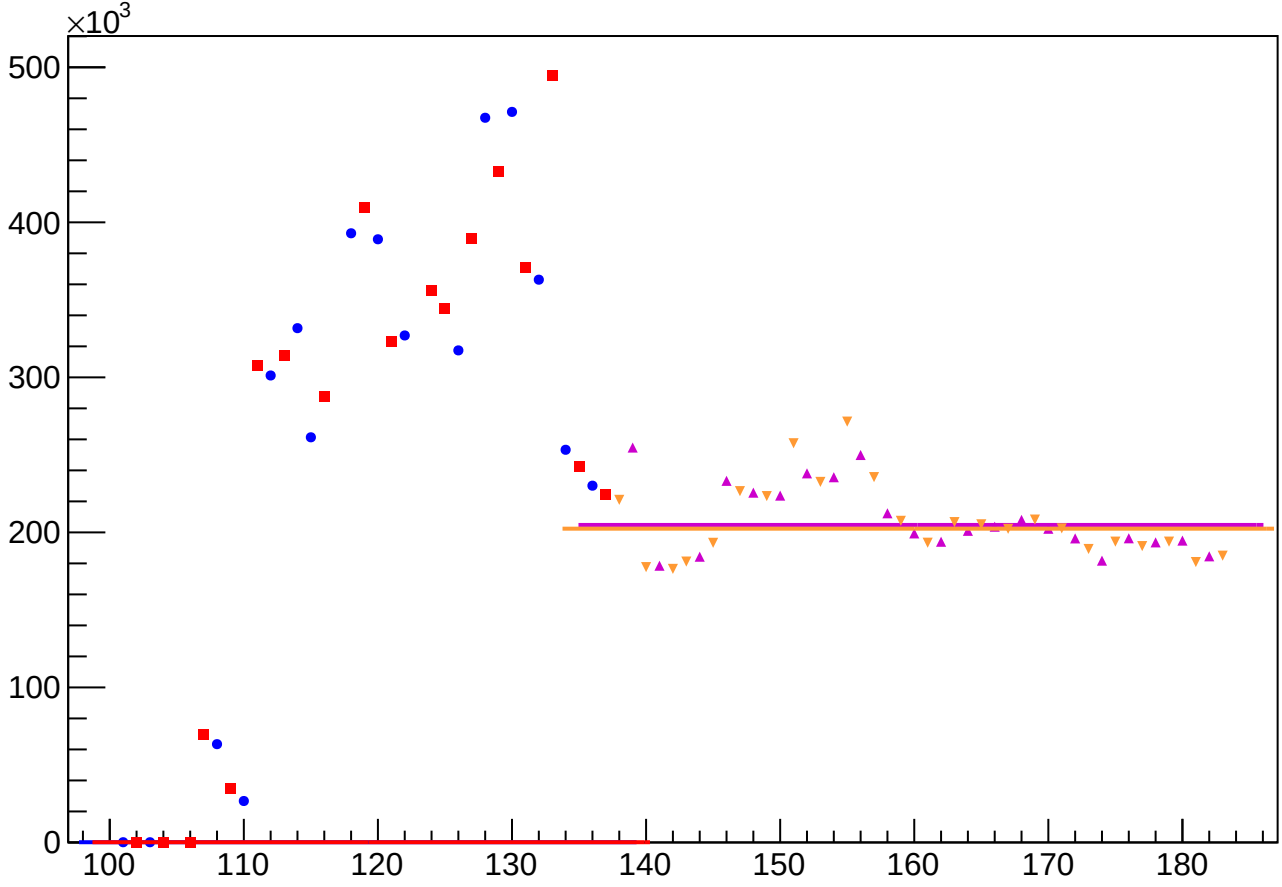
Left In: -33.641+/-48.547 χ^2/NDF:25.4/21

+ sign -0.038+/-0.172 χ^2/NDF: 99.5/39

All: -0.208+/-0.117 χ^2/NDF: 143.6/80

- sign -0.355+/-0.160 χ^2/NDF: 42.3/40

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 202397.604+/-33.004 χ^2/NDF:428647.4/23

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

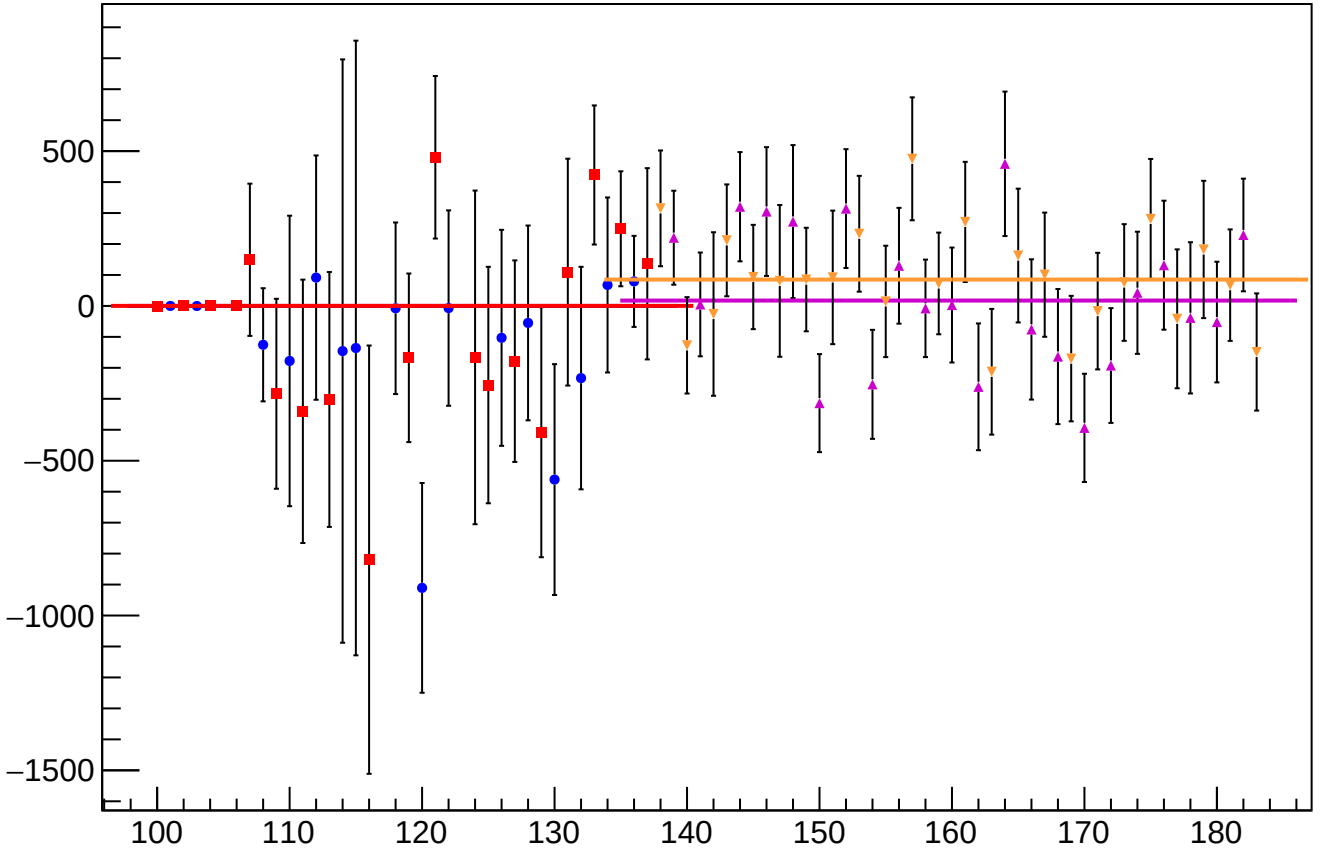
Left In: 204804.125+/-34.328 χ^2/NDF:367422.7/21

+ sign 151.847+/-0.122 χ^2/NDF: 49281547.6/39

All: 151.717+/-0.083 χ^2/NDF: 96479875.2/79

- sign 151.605+/-0.113 χ^2/NDF: 47198325.5/39

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 85.098+/-39.245 χ^2/NDF:16.9/23

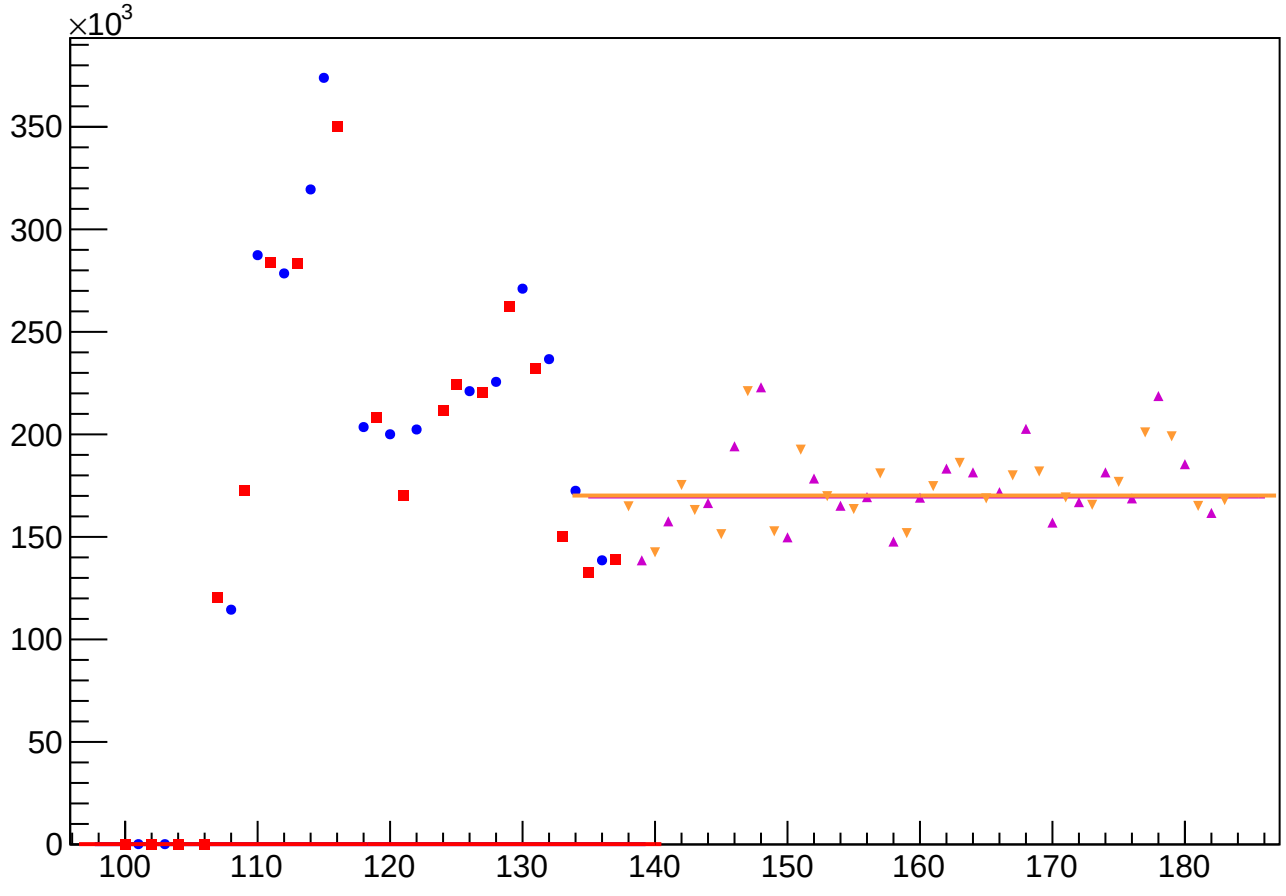
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 17.354+/-40.343 χ^2/NDF:32.2/21

+ sign -0.066+/-0.177 χ^2/NDF: 32.8/39

All: 0.036+/-0.121 χ^2/NDF: 81.0/80

- sign 0.126+/-0.166 χ^2/NDF: 47.6/40



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 170171.357+/-27.750 χ^2/NDF:358816.4/23

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

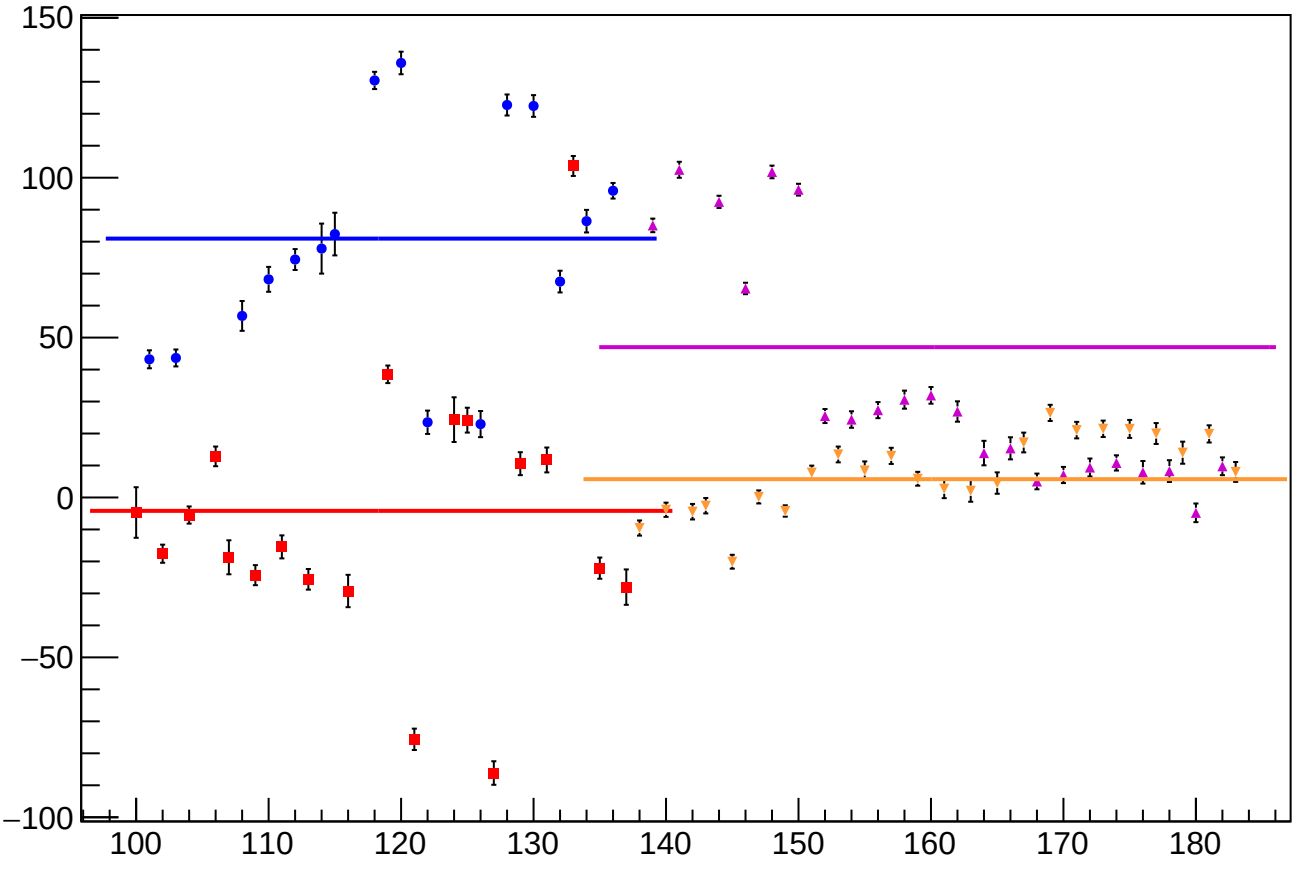
Left In: 169702.658+/-28.526 χ^2/NDF:467440.2/21

+ sign 156.928+/-0.125 χ^2/NDF: 49799931.2/39

All: 158.052+/-0.086 χ^2/NDF: 96922775.0/80

- sign 159.045+/-0.118 χ^2/NDF: 47122692.2/40

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 5.728+/-0.517 χ^2/NDF:529.6/23

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

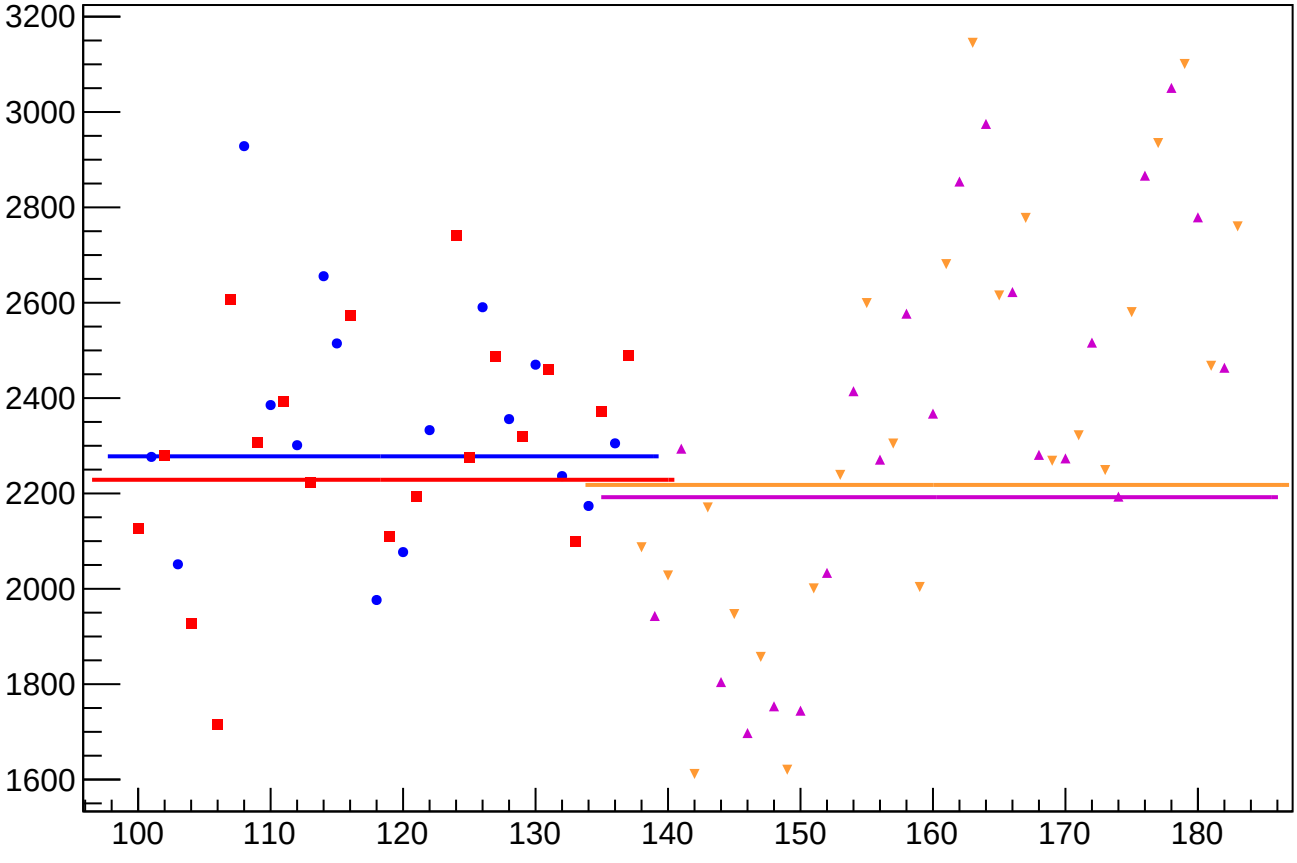
Left In: 47.008+/-0.528 χ^2/NDF:5161.7/21

+ sign 25.970+/-0.442 χ^2/NDF: 8049.1/39

All: 28.983+/-0.313 χ^2/NDF: 18779.7/80

- sign 32.023+/-0.444 χ^2/NDF: 10637.1/40

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2217.895+/-0.365 χ^2/NDF:1172933.6/23

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

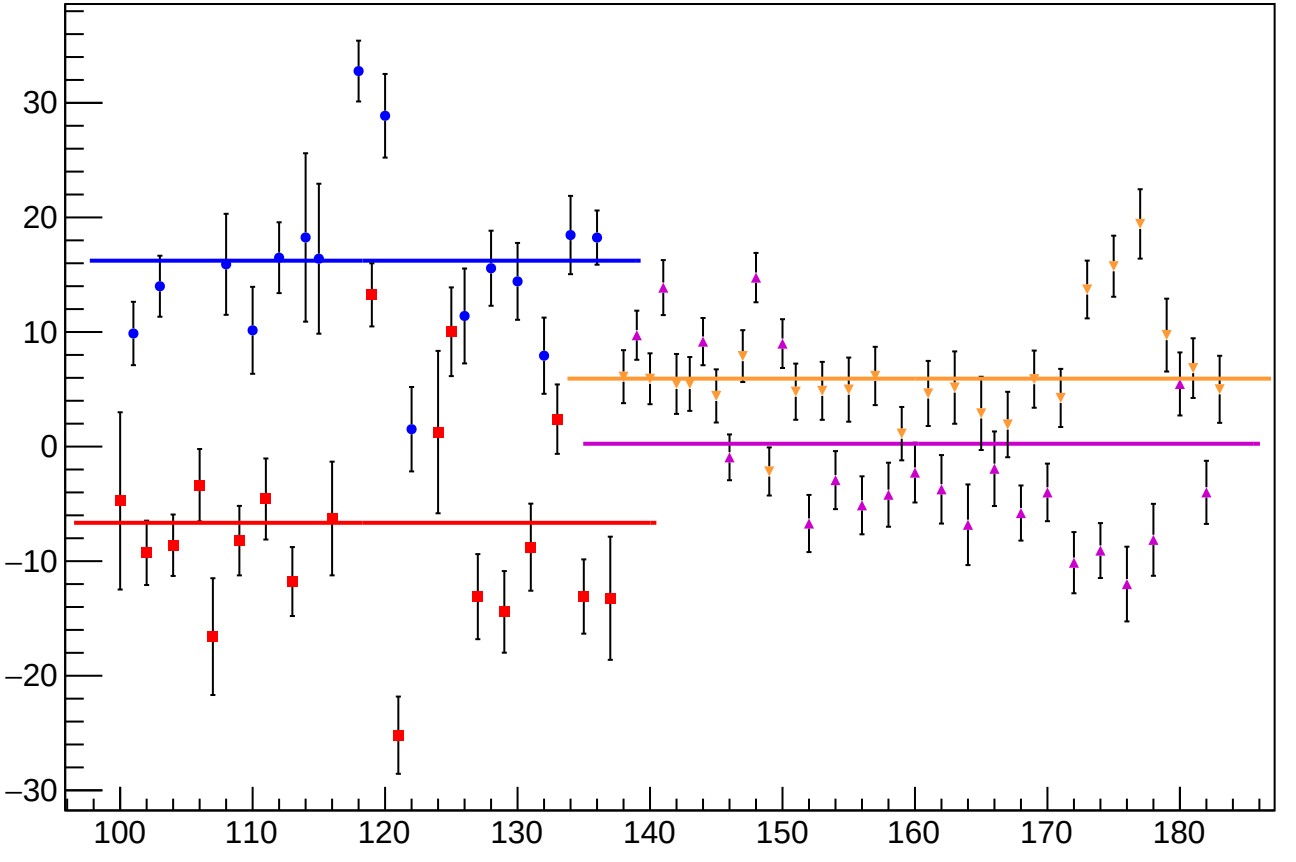
Left In: 2192.189+/-0.373 χ^2/NDF:1087564.1/21

+ sign 2234.032+/-0.312 χ^2/NDF: 1295957.2/39

All: 2218.524+/-0.221 χ^2/NDF: 2542413.1/80

- sign 2202.873+/-0.314 χ^2/NDF: 1241501.7/40

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.931+/-0.524 χ^2/NDF:69.1/23

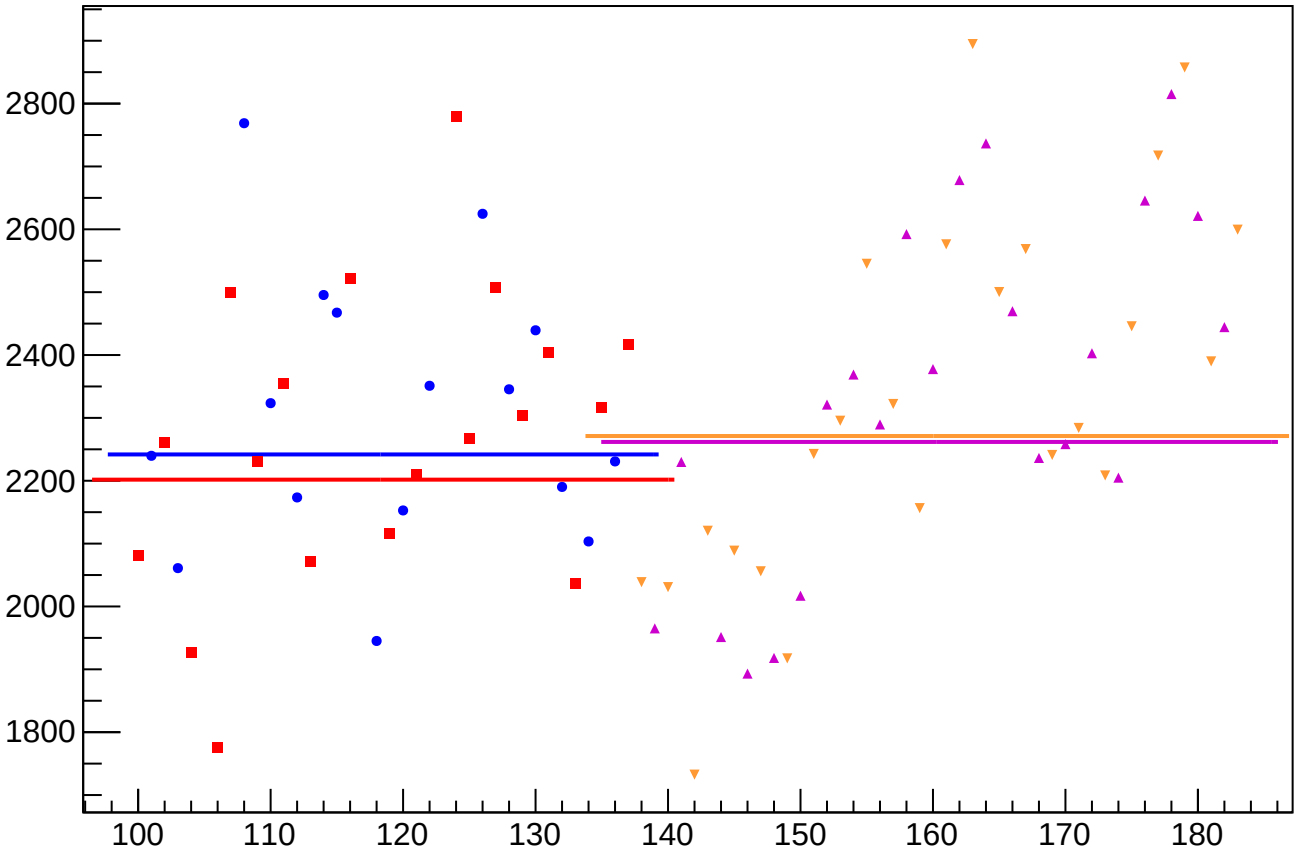
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.248+/-0.538 χ^2/NDF:223.2/21

+ sign 8.825+/-0.444 χ^2/NDF: 262.2/39

All: 3.527+/-0.315 χ^2/NDF: 957.6/80

- sign -1.868+/-0.448 χ^2/NDF: 408.2/40



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2271.144+/-0.370 χ^2/NDF:532932.1/23

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

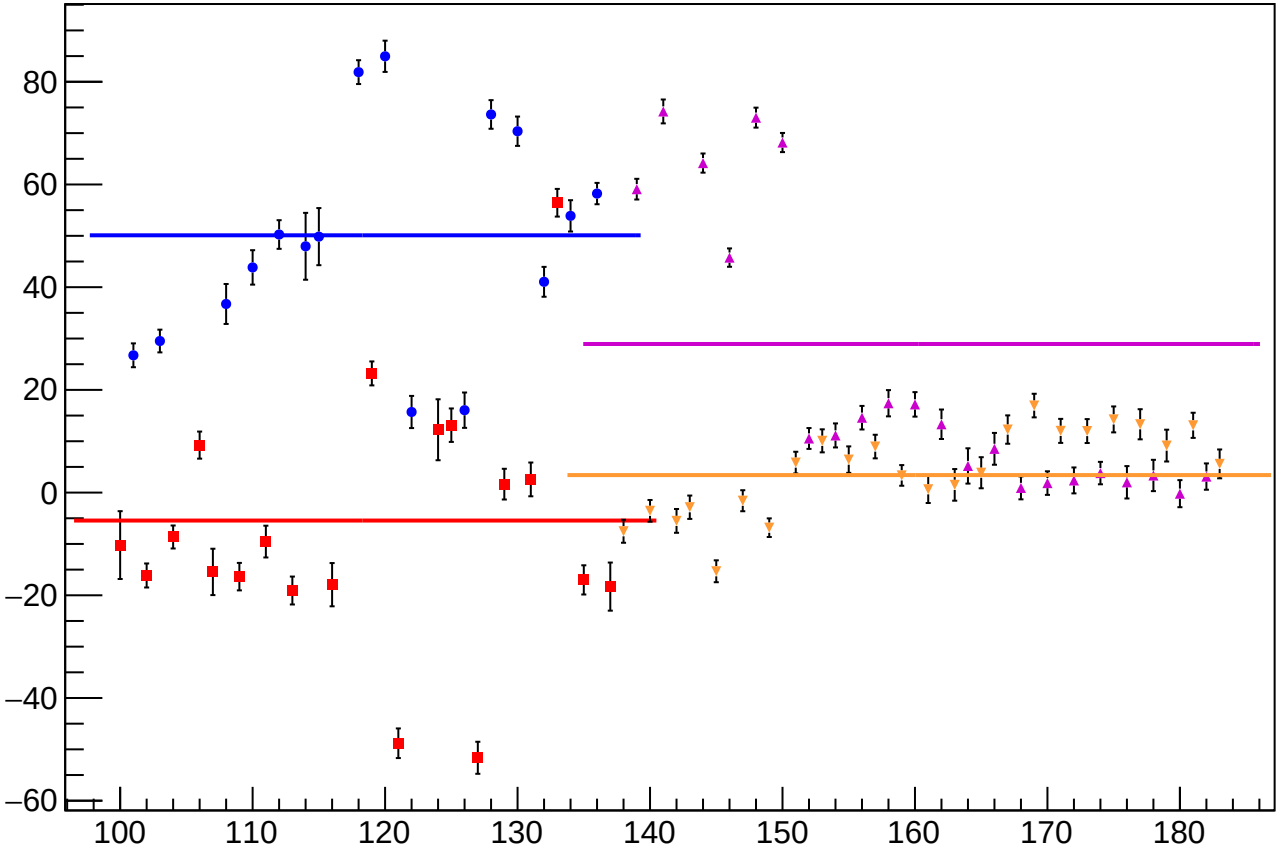
Left In: 2261.738+/-0.381 χ^2/NDF:489404.8/21

+ sign 2262.909+/-0.314 χ^2/NDF: 636951.1/39

All: 2253.213+/-0.223 χ^2/NDF: 1265784.5/80

- sign 2243.341+/-0.317 χ^2/NDF: 626909.4/40

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 3.409+/-0.483 χ^2/NDF:312.5/23

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

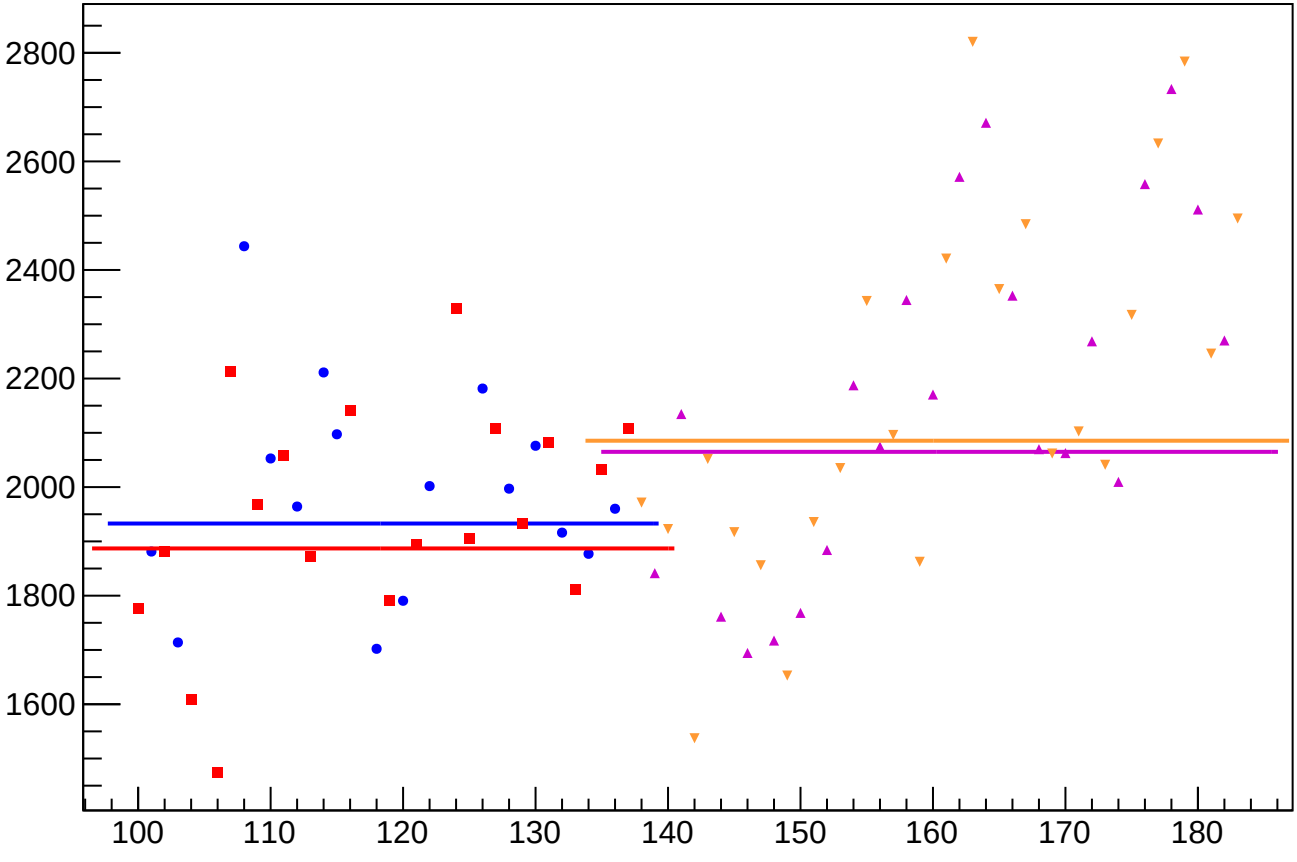
Left In: 28.937+/-0.494 χ^2/NDF:3256.8/21

\+ sign 17.837+/-0.401 χ^2/NDF: 4090.2/39

All: 17.610+/-0.284 χ^2/NDF: 10287.3/80

\- sign 17.383+/-0.402 χ^2/NDF: 6196.5/40

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2085.444+/-0.341 χ^2/NDF:780700.4/23

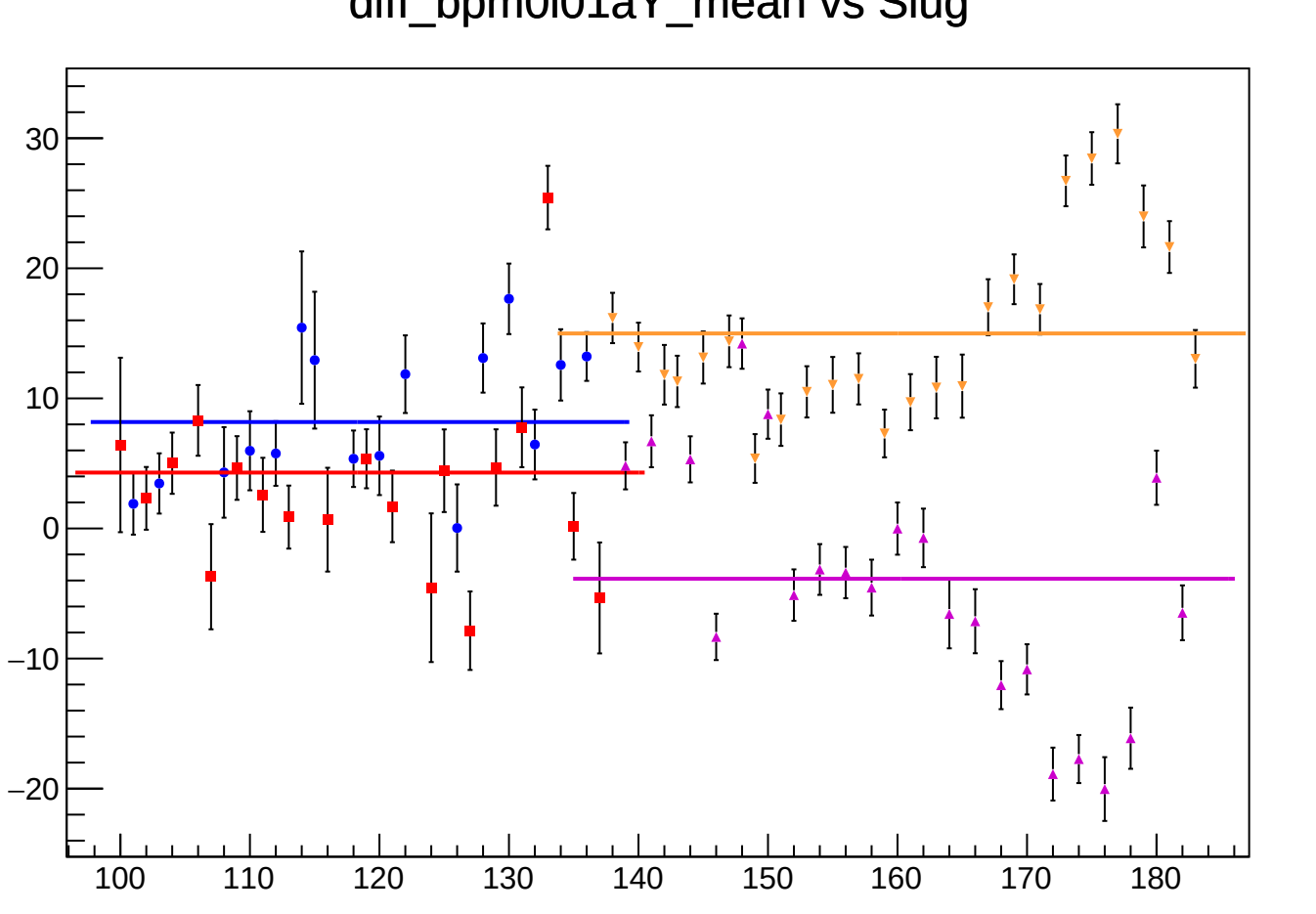
Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2064.964+/-0.349 χ^2/NDF:700176.4/21

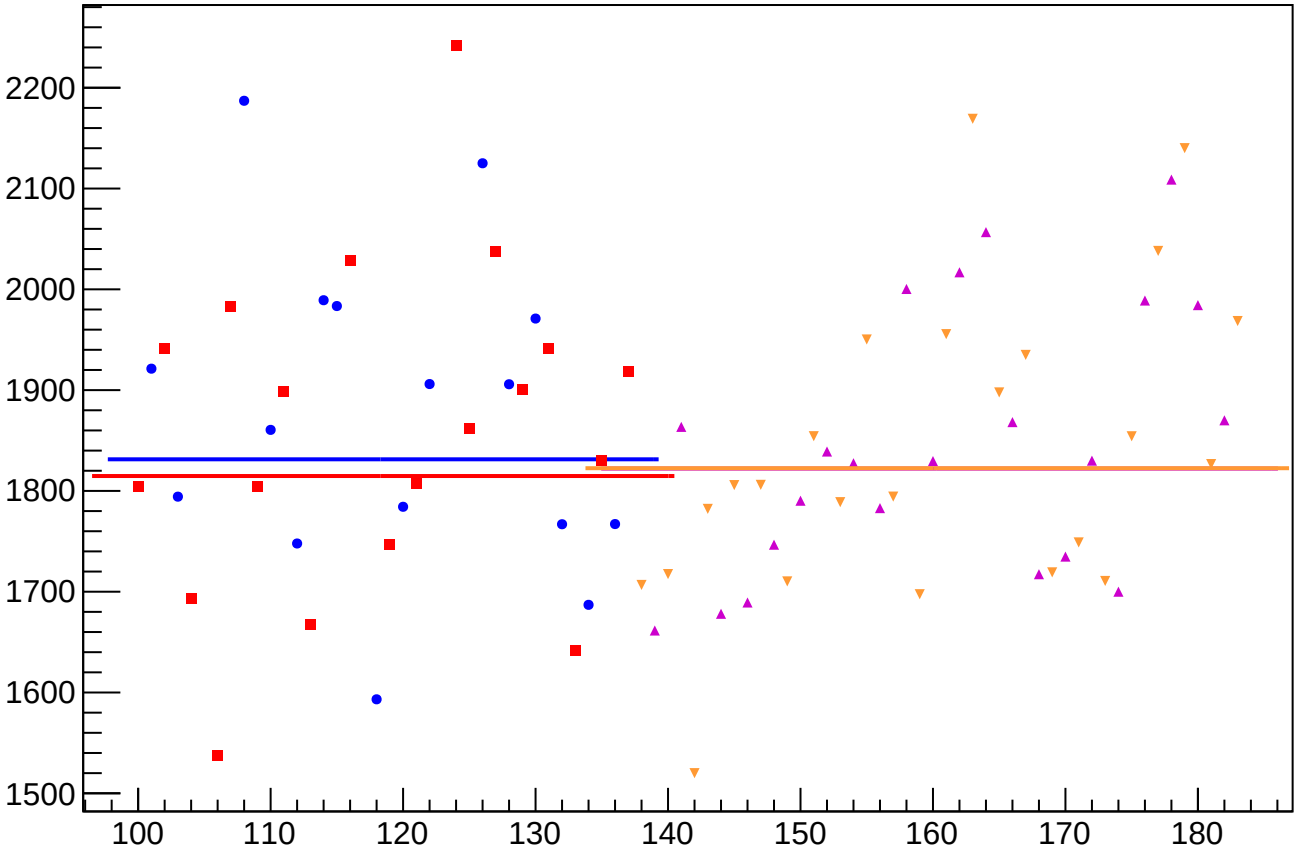
+ sign 2038.311+/-0.284 χ^2/NDF: 948334.8/39

All: 2021.778+/-0.201 χ^2/NDF: 1892305.0/80

- sign 2005.158+/-0.285 χ^2/NDF: 937167.0/40


diff_bpm0i01aY_mean vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 8.183+/-0.684 χ²/NDF: 52.0/15
Left Out: 14.992+/-0.418 χ²/NDF:244.3/23
Right Out: 4.297+/-0.665 χ²/NDF: 114.0/18
Left In: -3.866+/-0.431 χ²/NDF:454.8/21
+ sign 13.137+/-0.357 χ²/NDF: 368.5/39
All: 5.942+/-0.254 χ²/NDF: 1867.8/80
- sign -1.454+/-0.362 χ²/NDF: 674.8/40

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1822.527+/-0.296 χ^2/NDF:210489.7/23

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

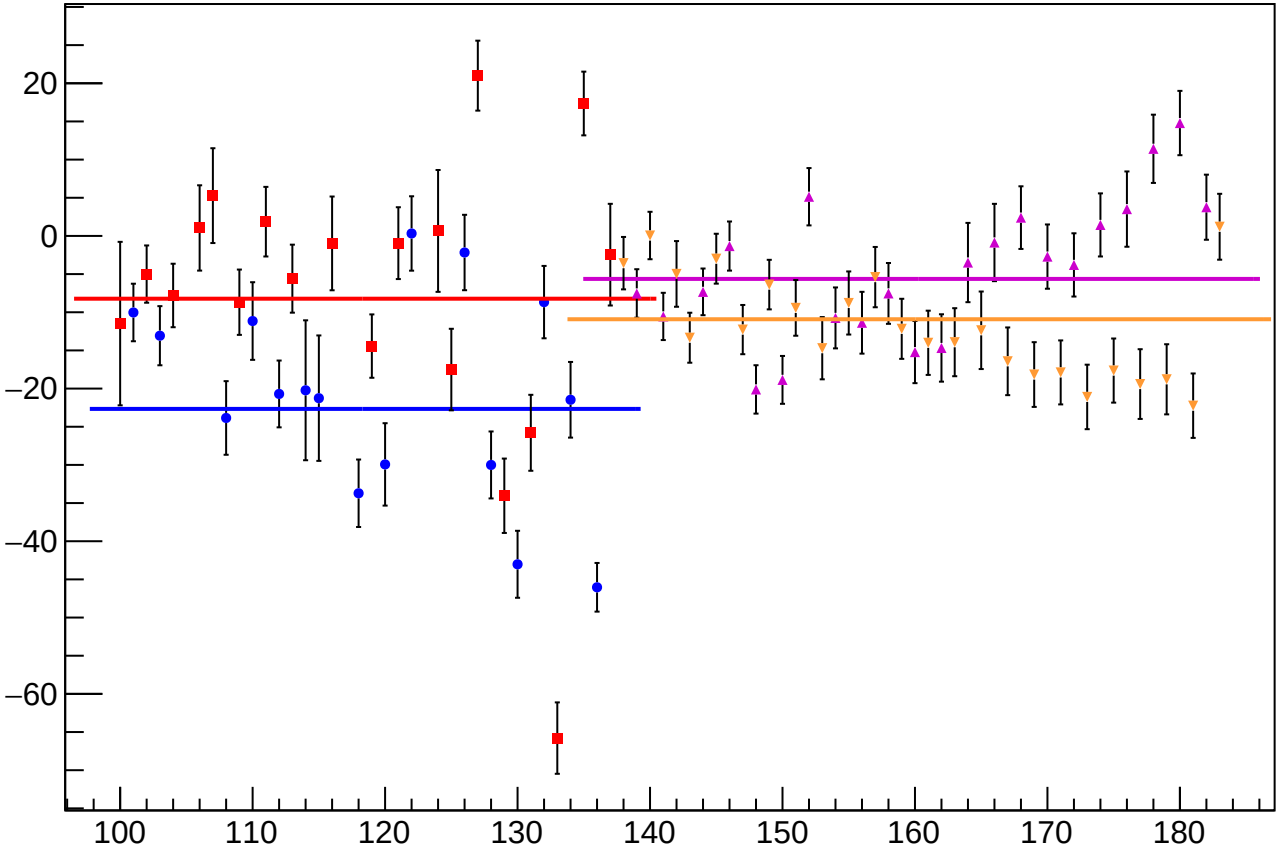
Left In: 1822.152+/-0.305 χ^2/NDF:162181.8/21

+ sign 1824.933+/-0.252 χ^2/NDF: 297651.8/39

All: 1822.487+/-0.180 χ^2/NDF: 550936.3/80

- sign 1819.972+/-0.256 χ^2/NDF: 253093.7/40

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.916+/-0.798 χ^2/NDF:69.0/23

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

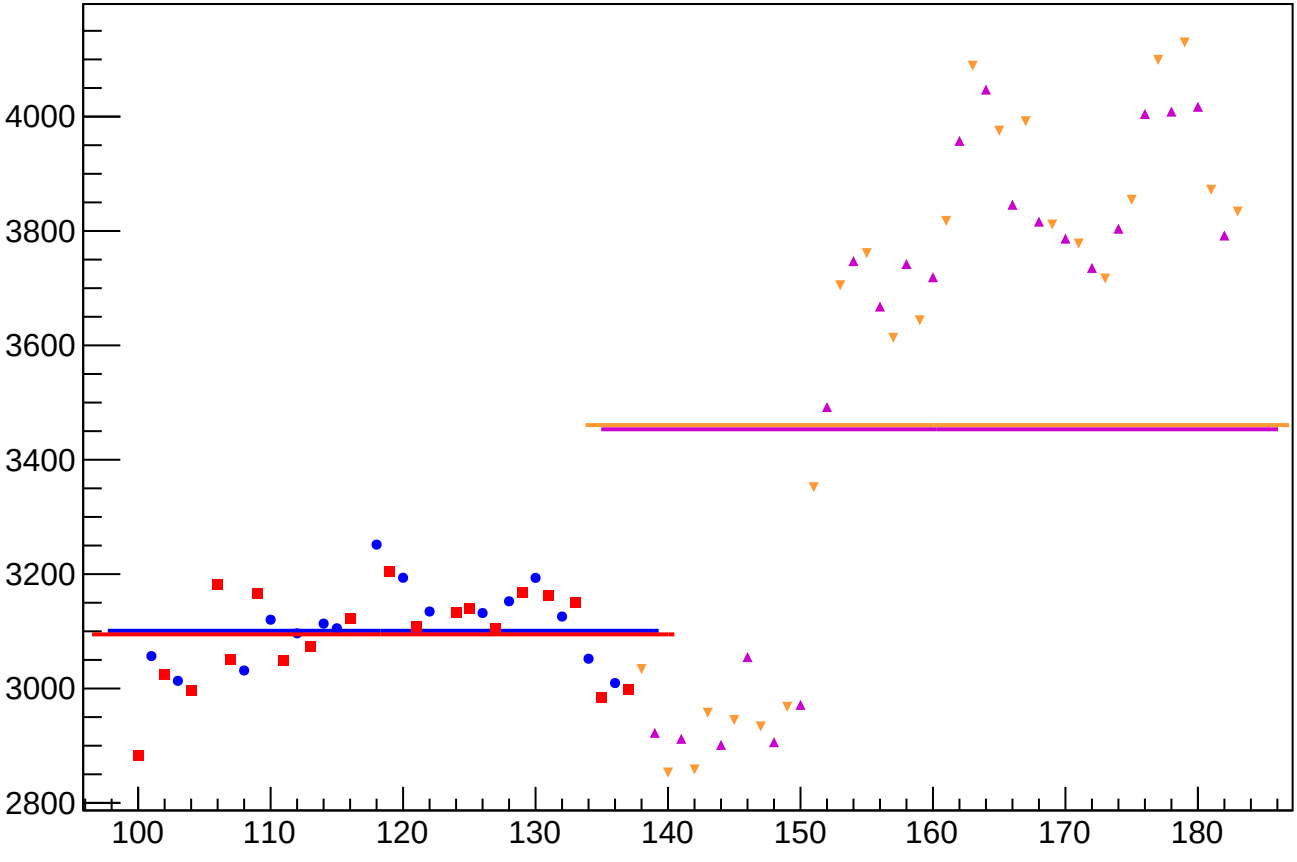
Left In: -5.632+/-0.820 χ^2/NDF:120.3/21

+ sign -14.726+/-0.656 χ^2/NDF: 296.4/39

All: -10.671+/-0.466 χ^2/NDF: 792.3/80

- sign -6.527+/-0.663 χ^2/NDF: 418.6/40

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3460.591+/-0.564 χ^2/NDF:638716.7/23

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

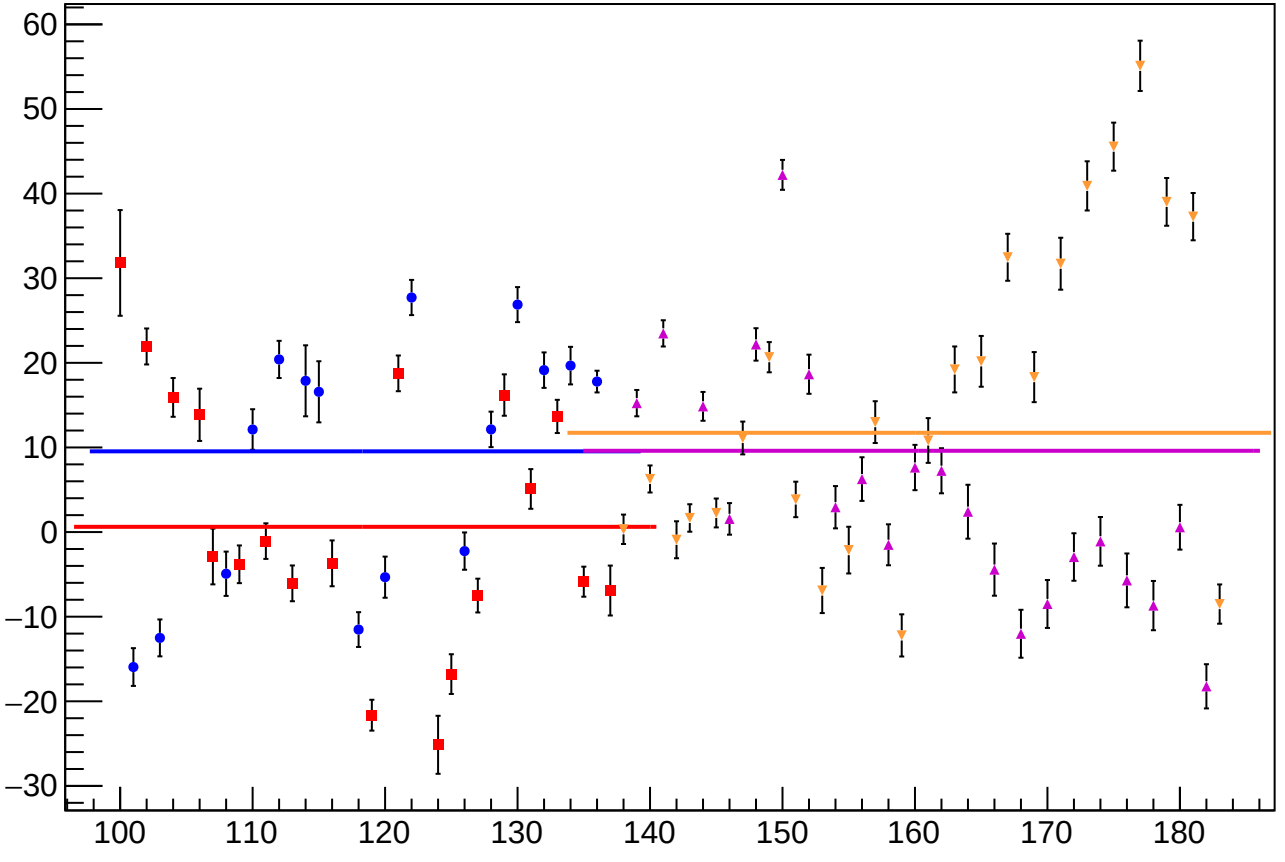
Left In: 3453.292+/-0.580 χ^2/NDF:575716.7/21

+ sign 3343.920+/-0.464 χ^2/NDF: 778322.5/39

All: 3336.784+/-0.330 χ^2/NDF: 1495265.9/80

- sign 3329.491+/-0.469 χ^2/NDF: 716465.0/40

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 11.733+/-0.467 χ^2/NDF:1190.8/23

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

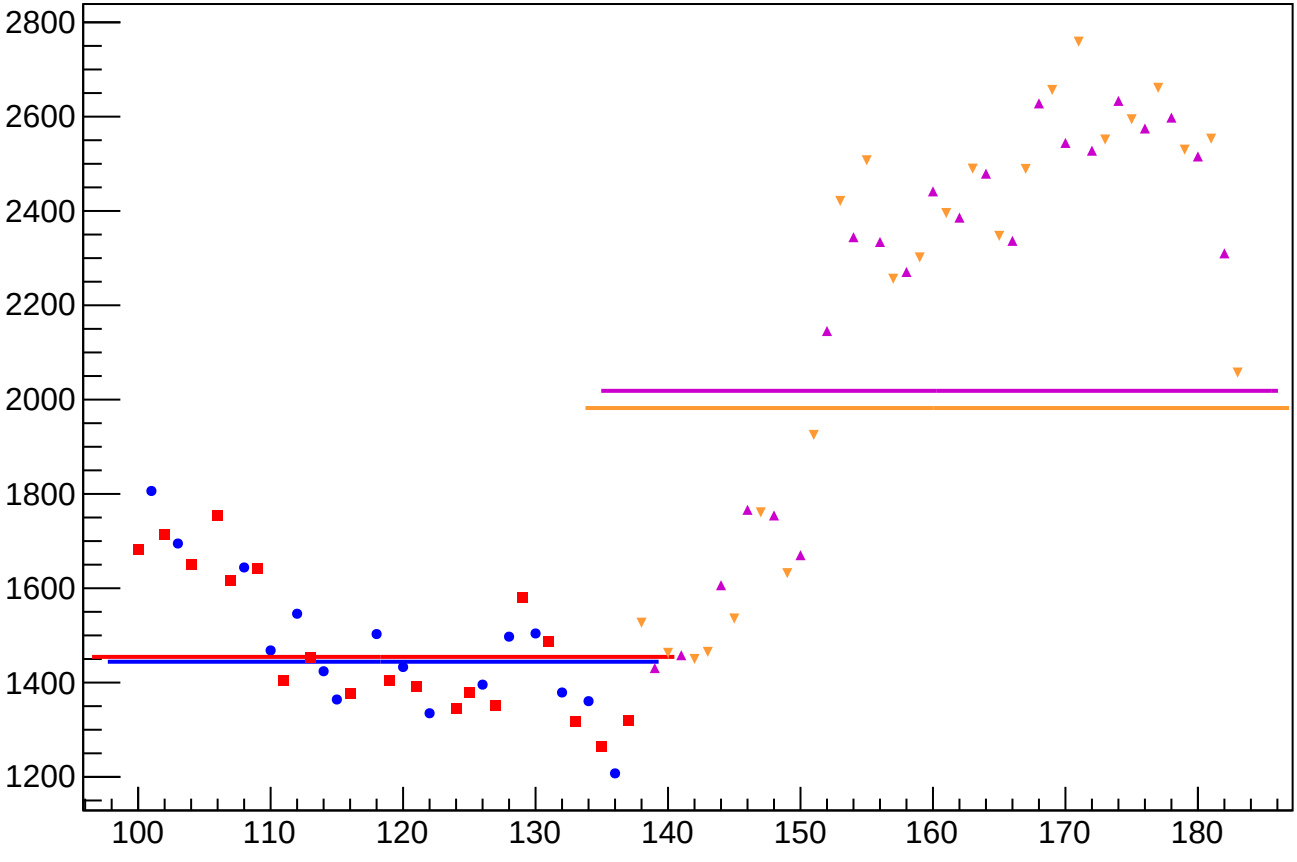
Left In: 9.605+/-0.488 χ^2/NDF:897.8/21

+ sign 10.798+/-0.353 χ^2/NDF: 1899.0/39

All: 8.209+/-0.252 χ^2/NDF: 3726.4/80

- sign 5.521+/-0.360 χ^2/NDF: 1718.0/40

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1982.168+/-0.330 χ^2/NDF:1977332.4/23

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

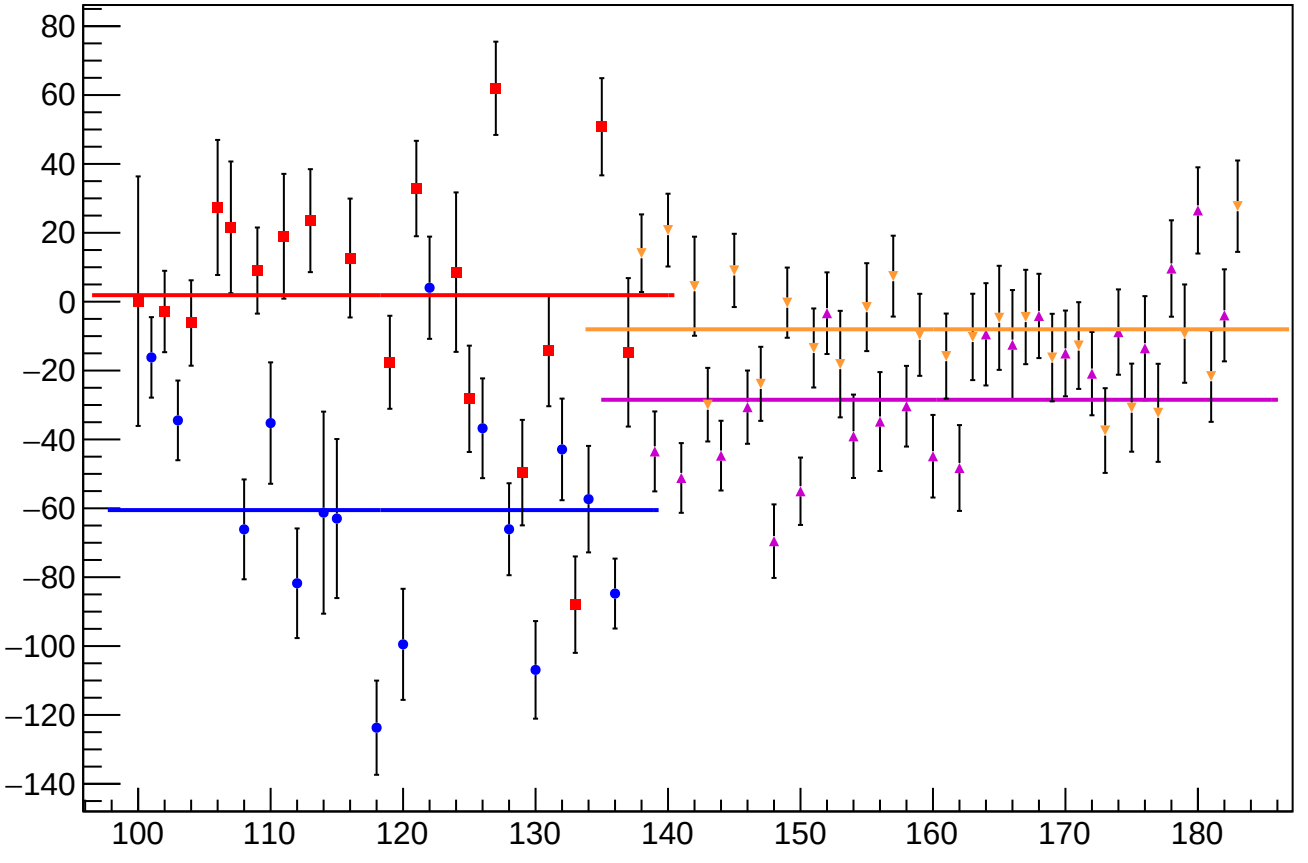
Left In: 2018.613+/-0.345 χ^2/NDF:1612776.7/21

+ sign 1752.853+/-0.250 χ^2/NDF: 3290940.6/39

All: 1757.449+/-0.178 χ^2/NDF: 6264368.3/80

- sign 1762.220+/-0.255 χ^2/NDF: 2972738.4/40

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.020+/-2.509 χ^2/NDF:45.4/23

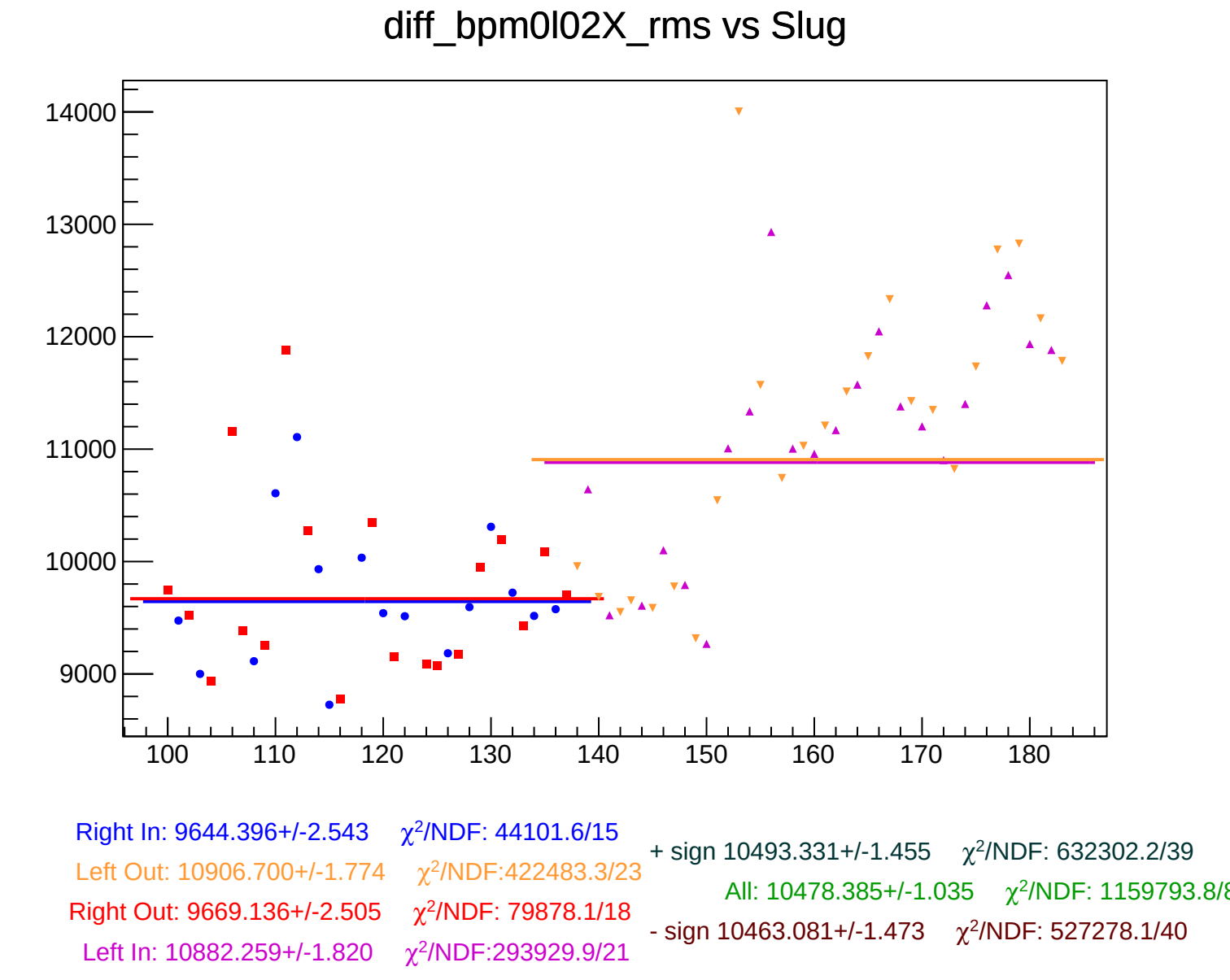
Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: -28.481+/-2.574 χ^2/NDF:83.1/21

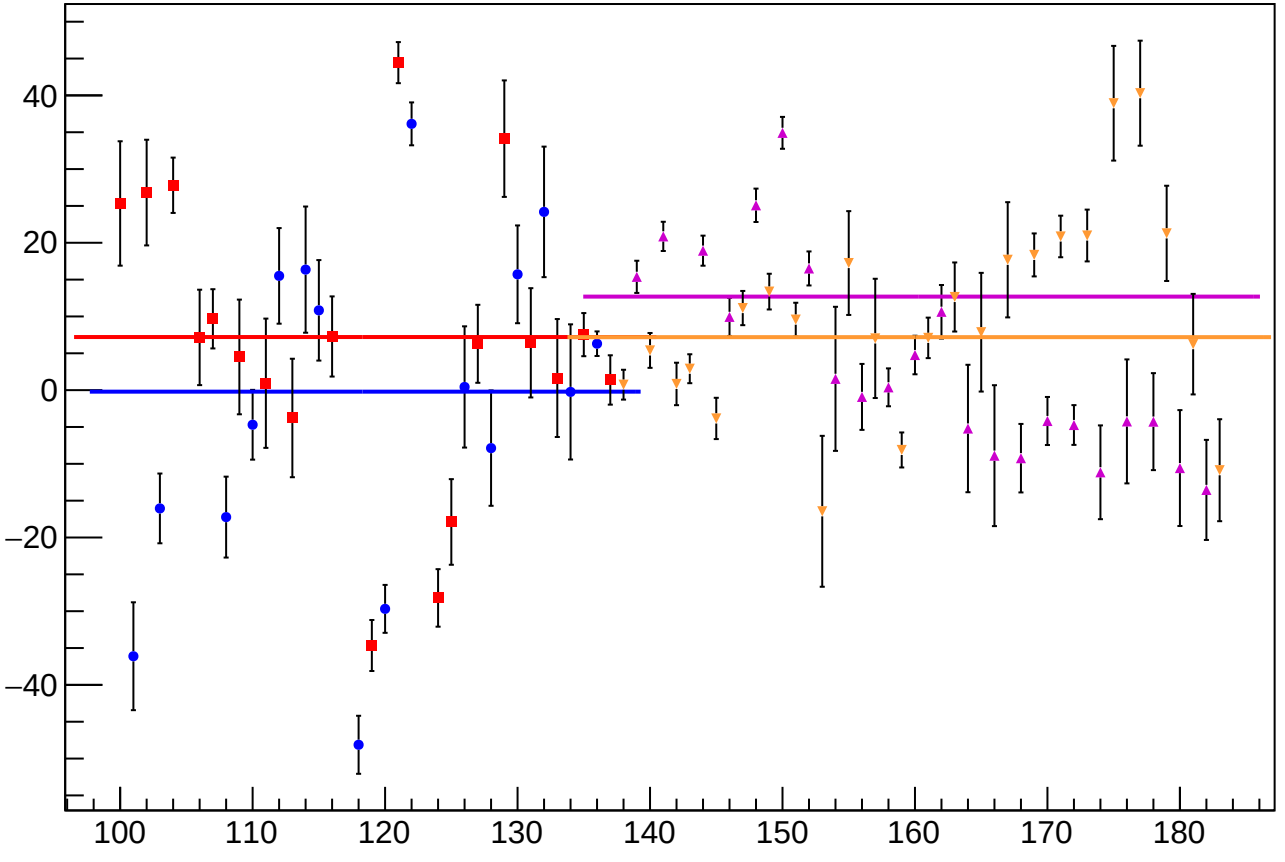
+ sign -25.211+/-2.058 χ^2/NDF: 279.0/39

All: -21.641+/-1.464 χ^2/NDF: 520.2/80

- sign -17.985+/-2.083 χ^2/NDF: 235.0/40


diff_bpm0l02X_rms vs Slug
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
180
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10906.700+/-1.774 χ²/NDF:422483.3/23
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10882.259+/-1.820 χ²/NDF:293929.9/21
+ sign 10493.331+/-1.455 χ²/NDF: 632302.2/39
All: 10478.385+/-1.035 χ²/NDF: 1159793.8/8
- sign 10463.081+/-1.473 χ²/NDF: 527278.1/40

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.191+/-0.654 χ^2/NDF:201.7/23

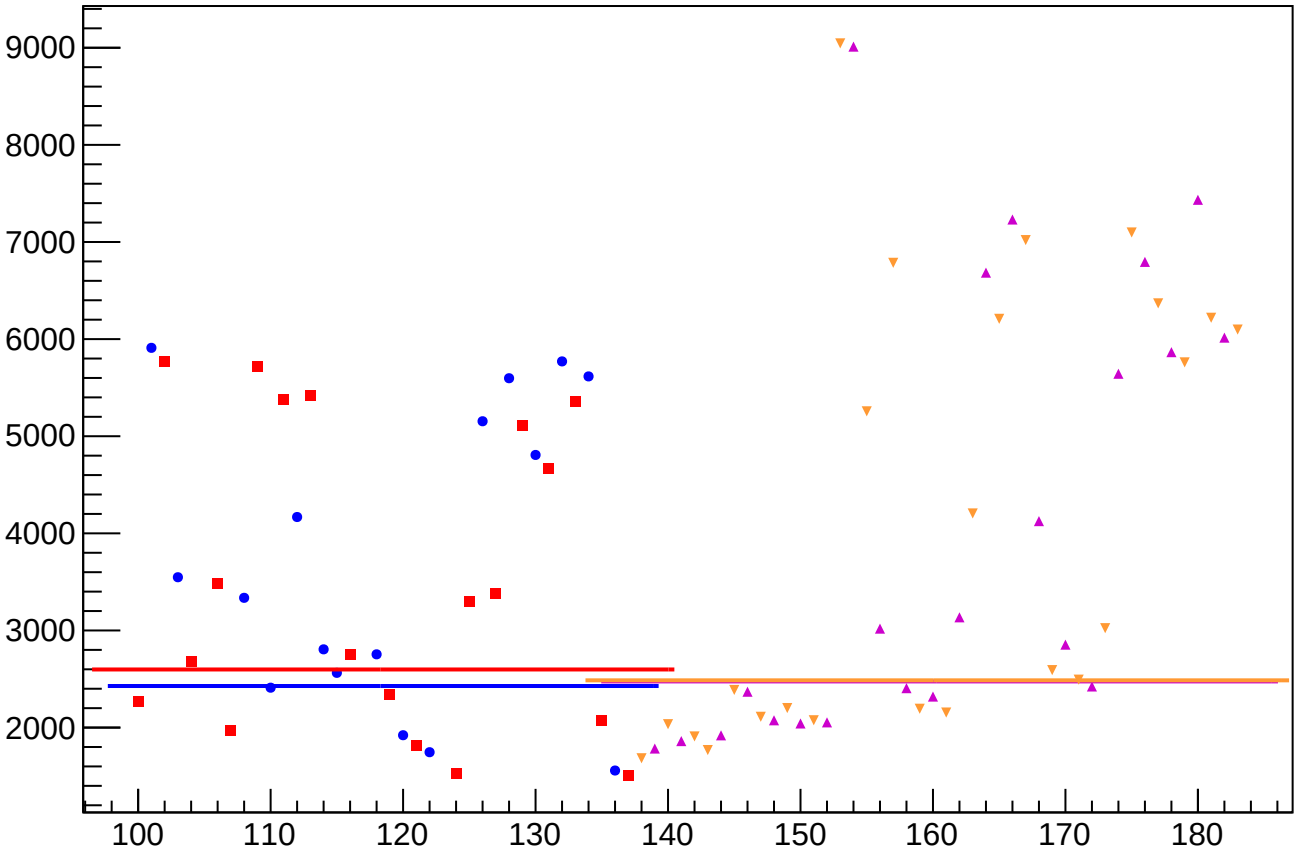
Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: 12.693+/-0.662 χ^2/NDF:358.6/21

+ sign 5.108+/-0.555 χ^2/NDF: 711.4/39

All: 8.099+/-0.395 χ^2/NDF: 1633.5/80

- sign 11.183+/-0.563 χ^2/NDF: 863.1/40



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2486.411+/-0.463 χ^2/NDF:7005028.5/23

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

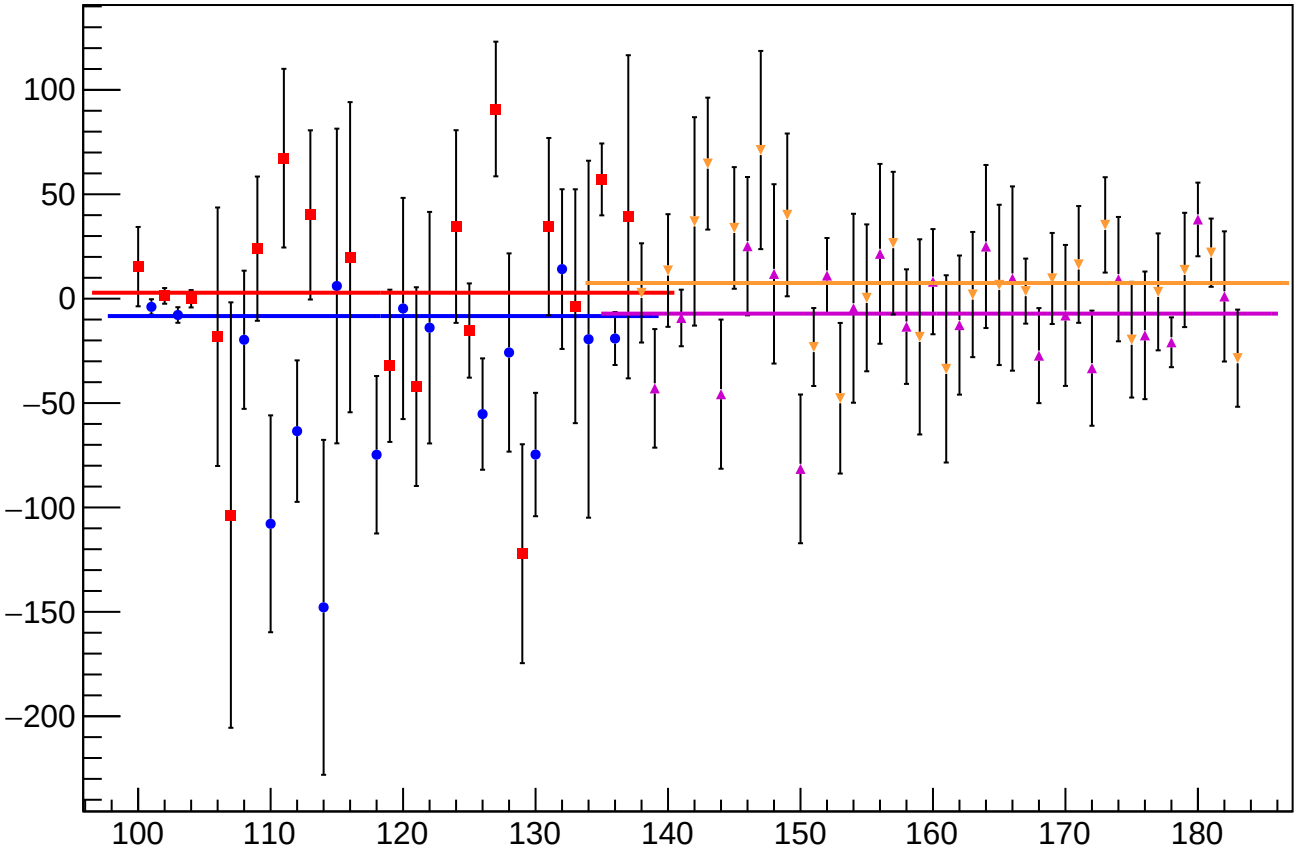
Left In: 2475.319+/-0.468 χ^2/NDF:5892091.4/21

+ sign 2469.986+/-0.392 χ^2/NDF: 9824837.4/39

All: 2489.280+/-0.279 χ^2/NDF: 18255802.0/8

- sign 2509.175+/-0.398 χ^2/NDF: 8426049.8/40

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.495+/-5.439 χ^2/NDF:19.5/23

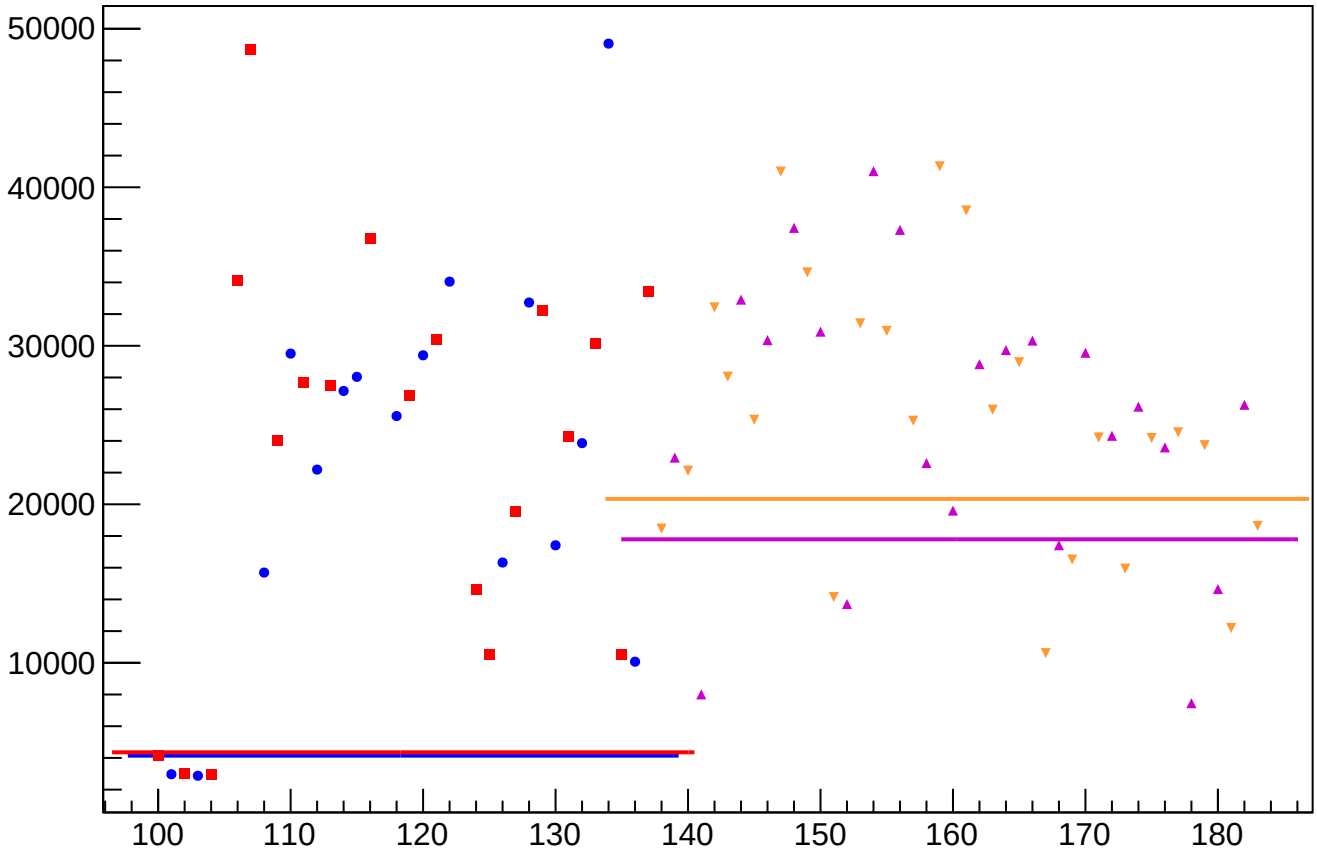
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -7.167+/-5.242 χ^2/NDF:21.1/21

+ sign -5.573+/-2.271 χ^2/NDF: 49.9/39

All: -2.495+/-1.636 χ^2/NDF: 110.3/80

- sign 0.822+/-2.358 χ^2/NDF: 56.6/40



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 20342.002+/-3.846 χ^2/NDF:4074643.4/23

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

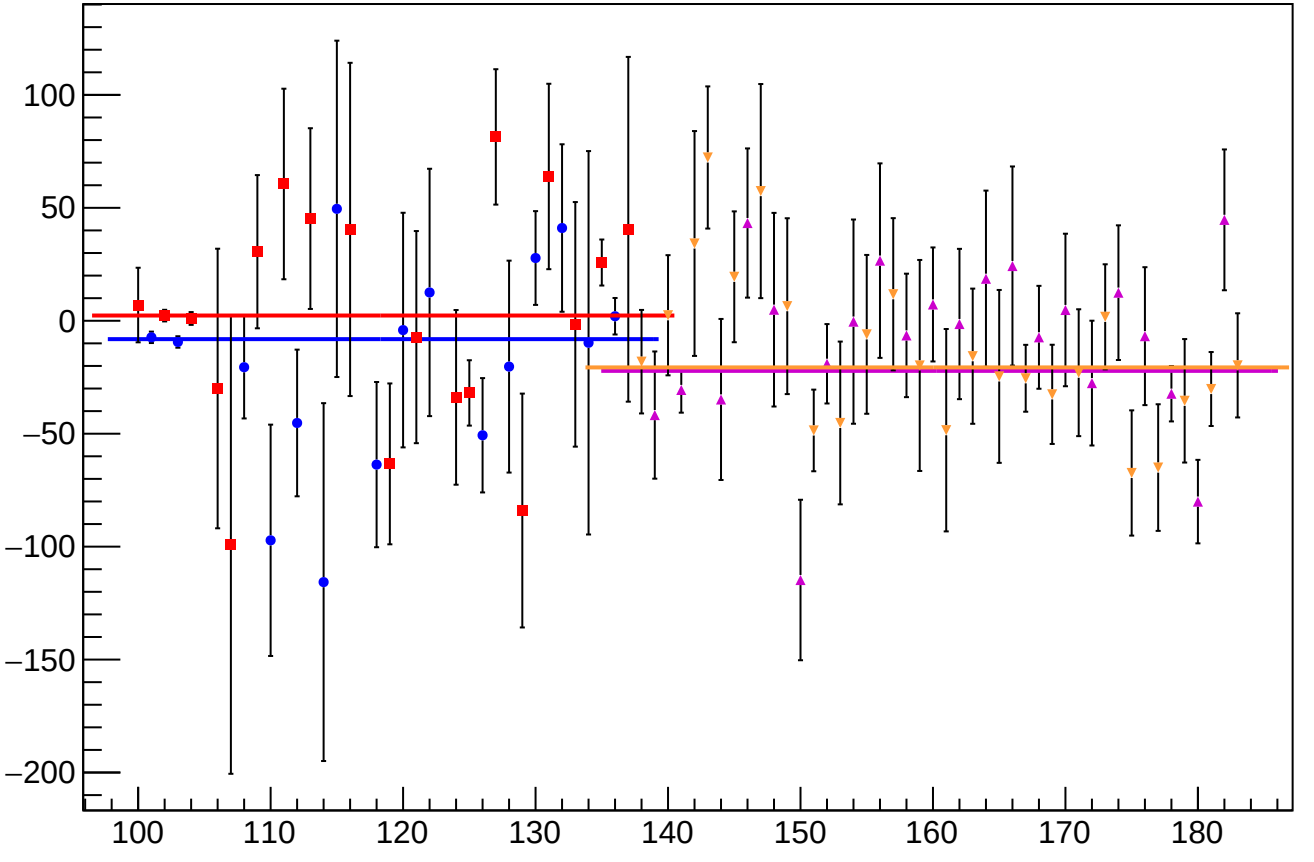
Left In: 17792.033+/-3.707 χ^2/NDF:6421950.9/21

+ sign 6969.338+/-1.606 χ^2/NDF: 25552763.5/39

All: 7018.973+/-1.157 χ^2/NDF: 50085782.9/8

- sign 7072.460+/-1.667 χ^2/NDF: 24531034.6/40

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -20.650+/-5.377 χ^2/NDF:27.5/23

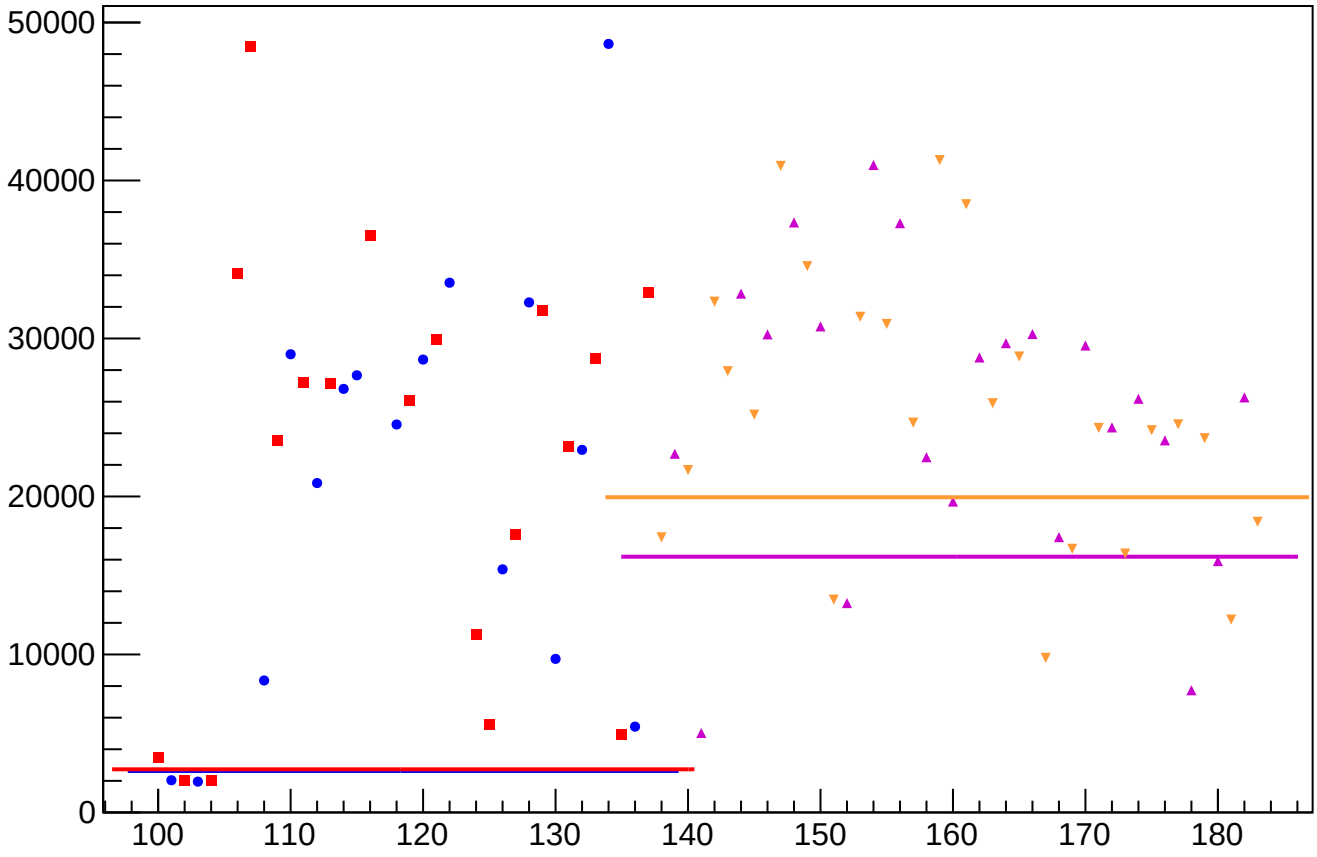
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -22.181+/-4.979 χ^2/NDF:36.0/21

+ sign -9.295+/-1.639 χ^2/NDF: 51.5/39

All: -5.119+/-1.183 χ^2/NDF: 155.6/80

- sign -0.568+/-1.711 χ^2/NDF: 90.5/40



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 19951.769+/-3.802 χ^2/NDF:4341687.9/23

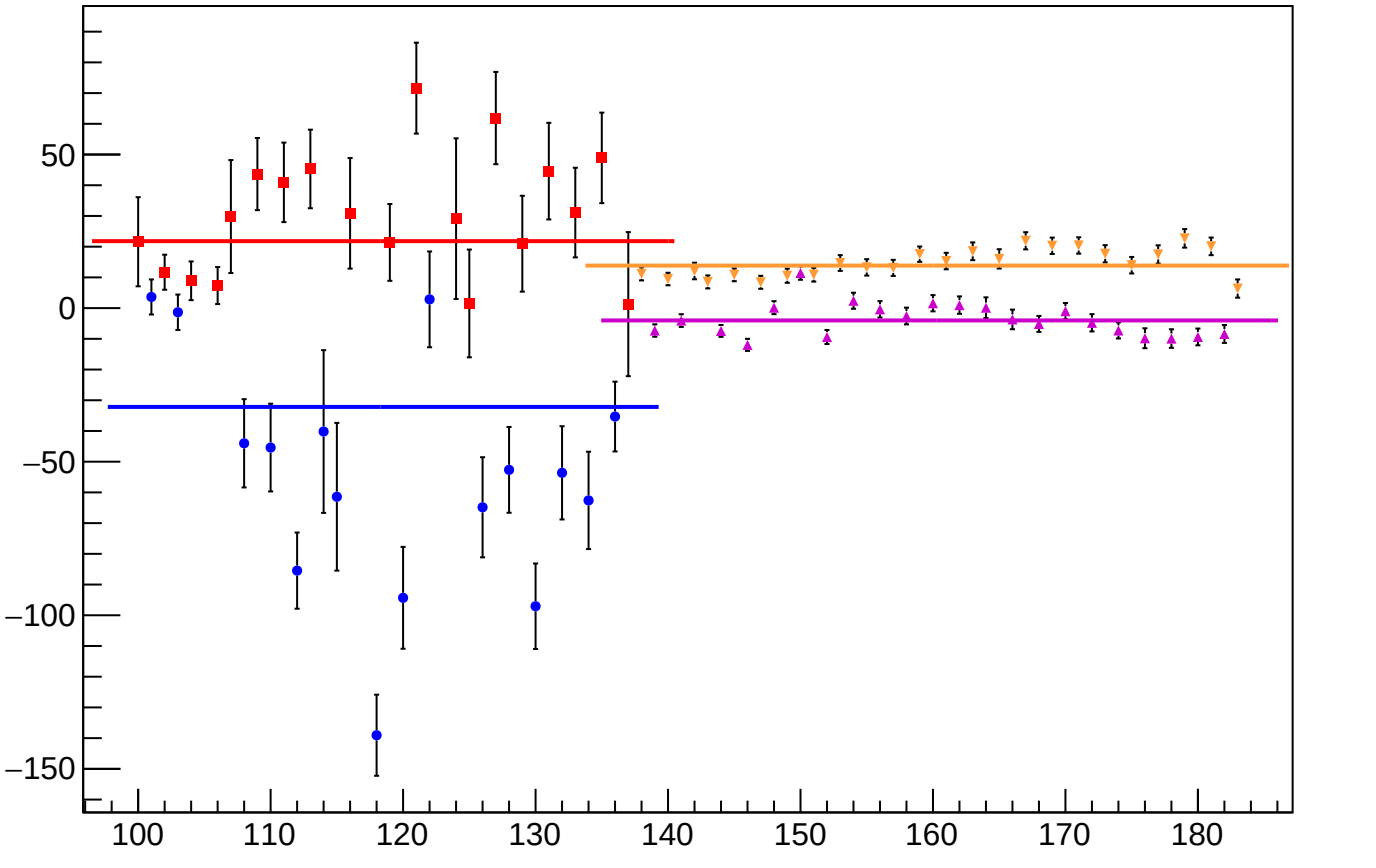
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 16187.568+/-3.521 χ^2/NDF:8198185.8/21

+ sign 4235.060+/-1.159 χ^2/NDF: 29955334.8/39

All: 4275.182+/-0.837 χ^2/NDF: 59027214.0/8

- sign 4318.916+/-1.210 χ^2/NDF: 29069373.0/40



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.845+/-0.517 χ^2/NDF:74.6/23

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

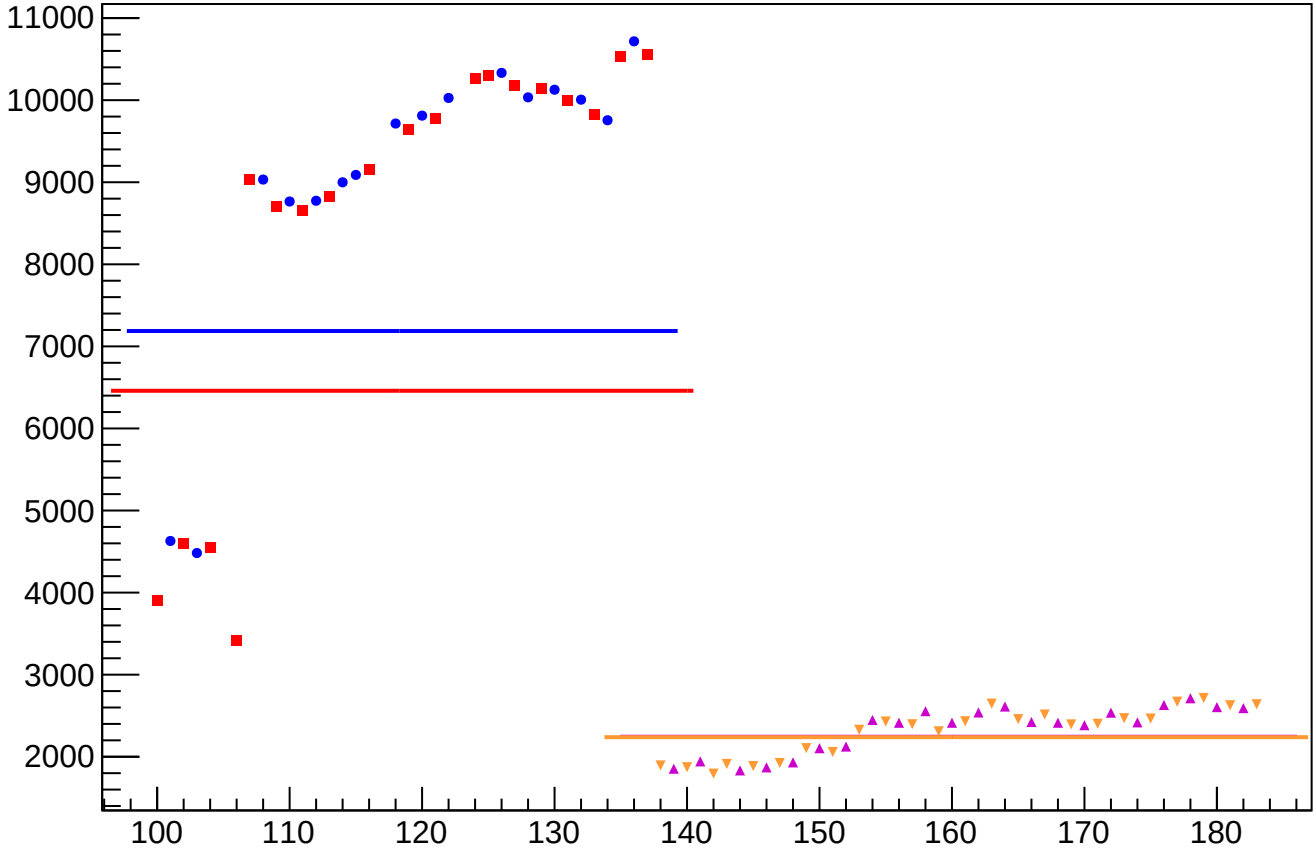
Left In: -4.015+/-0.533 χ^2/NDF:113.5/21

+ sign 12.373+/-0.508 χ^2/NDF: 536.1/39

All: 4.921+/-0.364 χ^2/NDF: 1238.2/80

- sign -2.940+/-0.522 χ^2/NDF: 260.3/40

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2238.461+/-0.365 χ^2/NDF:646528.1/23

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

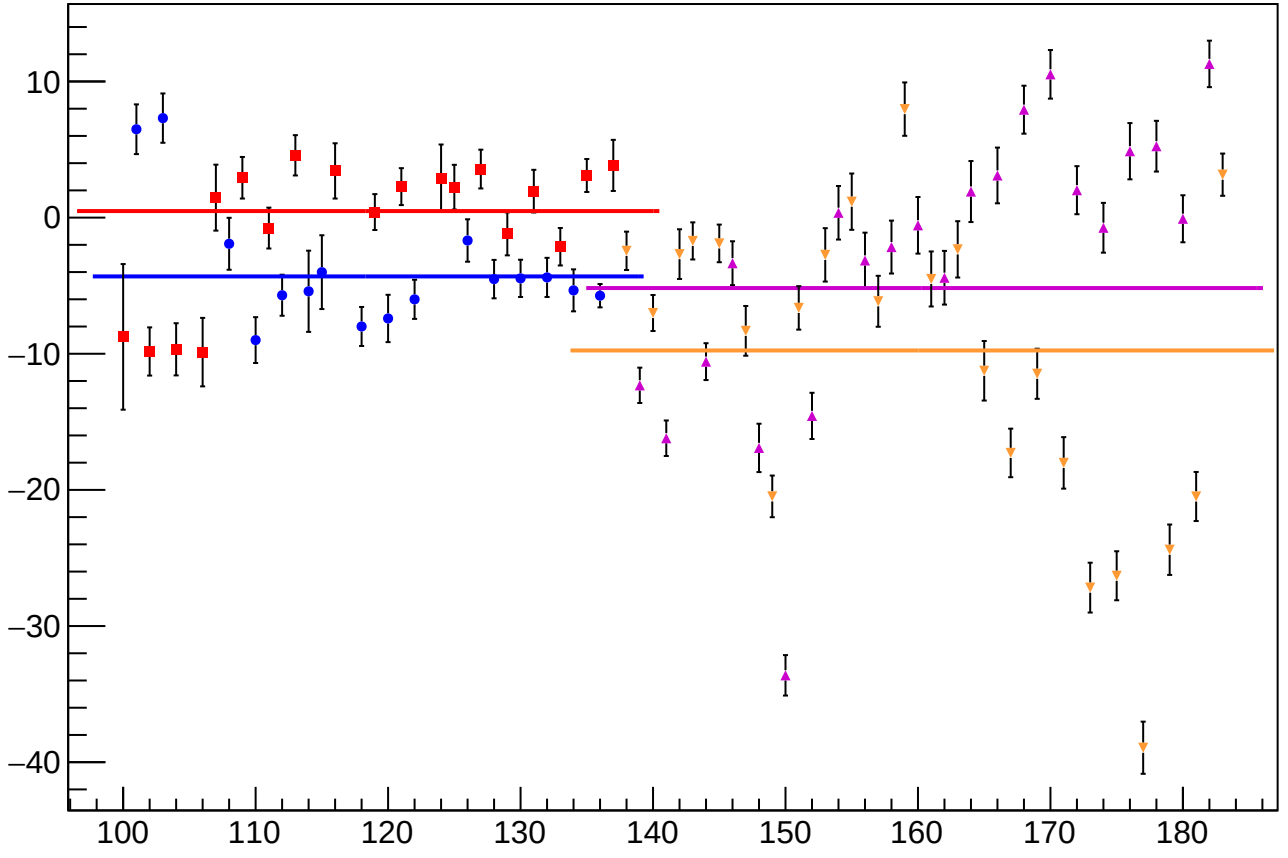
Left In: 2243.683+/-0.377 χ^2/NDF:627989.3/21

+ sign 2396.761+/-0.359 χ^2/NDF: 8224169.4/39

All: 2407.743+/-0.257 χ^2/NDF: 16338782.7/8

- sign 2419.329+/-0.369 χ^2/NDF: 8112694.2/40

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -9.758+/-0.352 χ^2/NDF:925.5/23

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

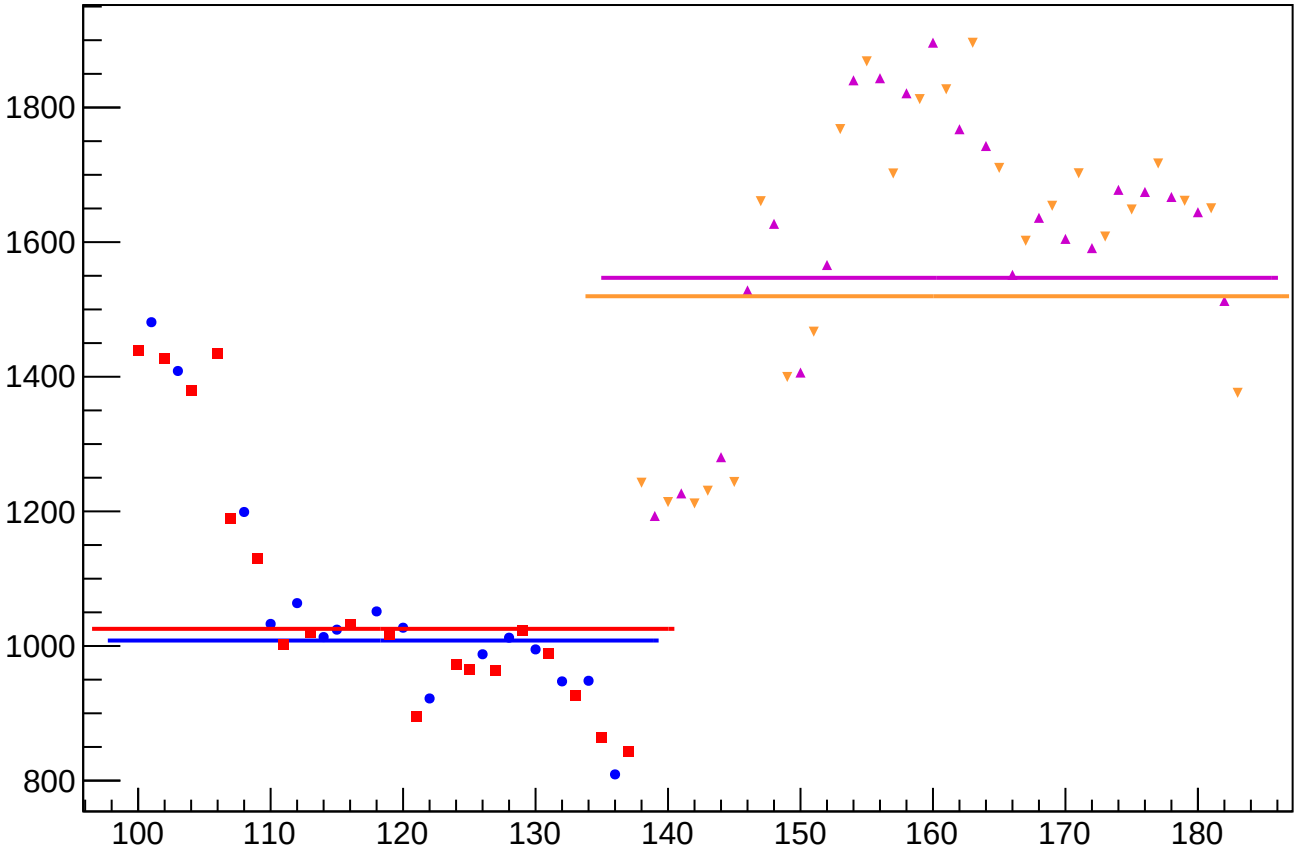
Left In: -5.174+/-0.368 χ^2/NDF:914.5/21

+ sign -7.244+/-0.258 χ^2/NDF: 1139.5/39

All: -4.888+/-0.185 χ^2/NDF: 2456.1/80

- sign -2.426+/-0.264 χ^2/NDF: 1146.4/40

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1519.613+/-0.249 χ^2/NDF:826522.8/23

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

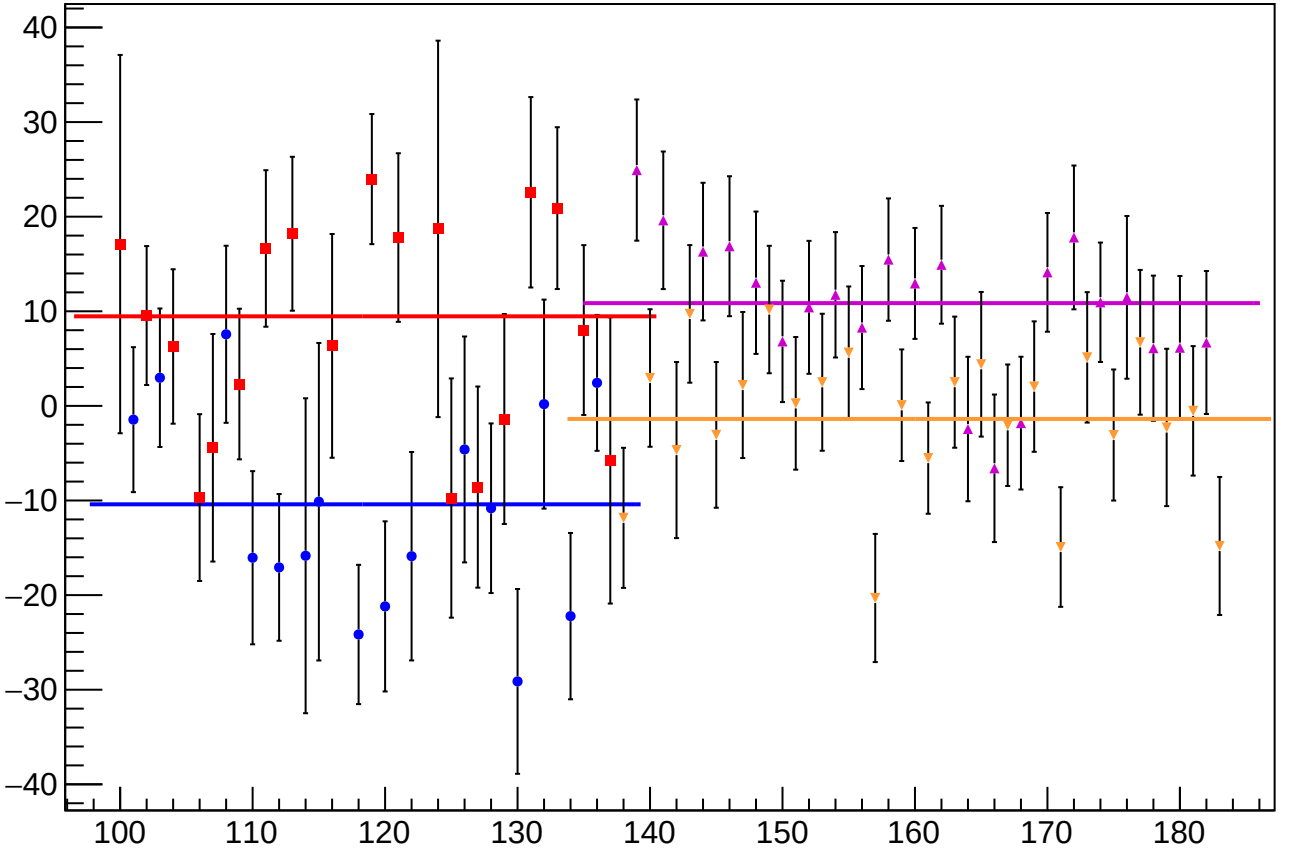
Left In: 1546.977+/-0.260 χ^2/NDF:634430.8/21

+ sign 1283.158+/-0.183 χ^2/NDF: 3156517.7/39

All: 1288.229+/-0.131 χ^2/NDF: 6088334.1/80

- sign 1293.531+/-0.187 χ^2/NDF: 2930238.2/40

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.379+/-1.437 χ^2/NDF:28.9/23

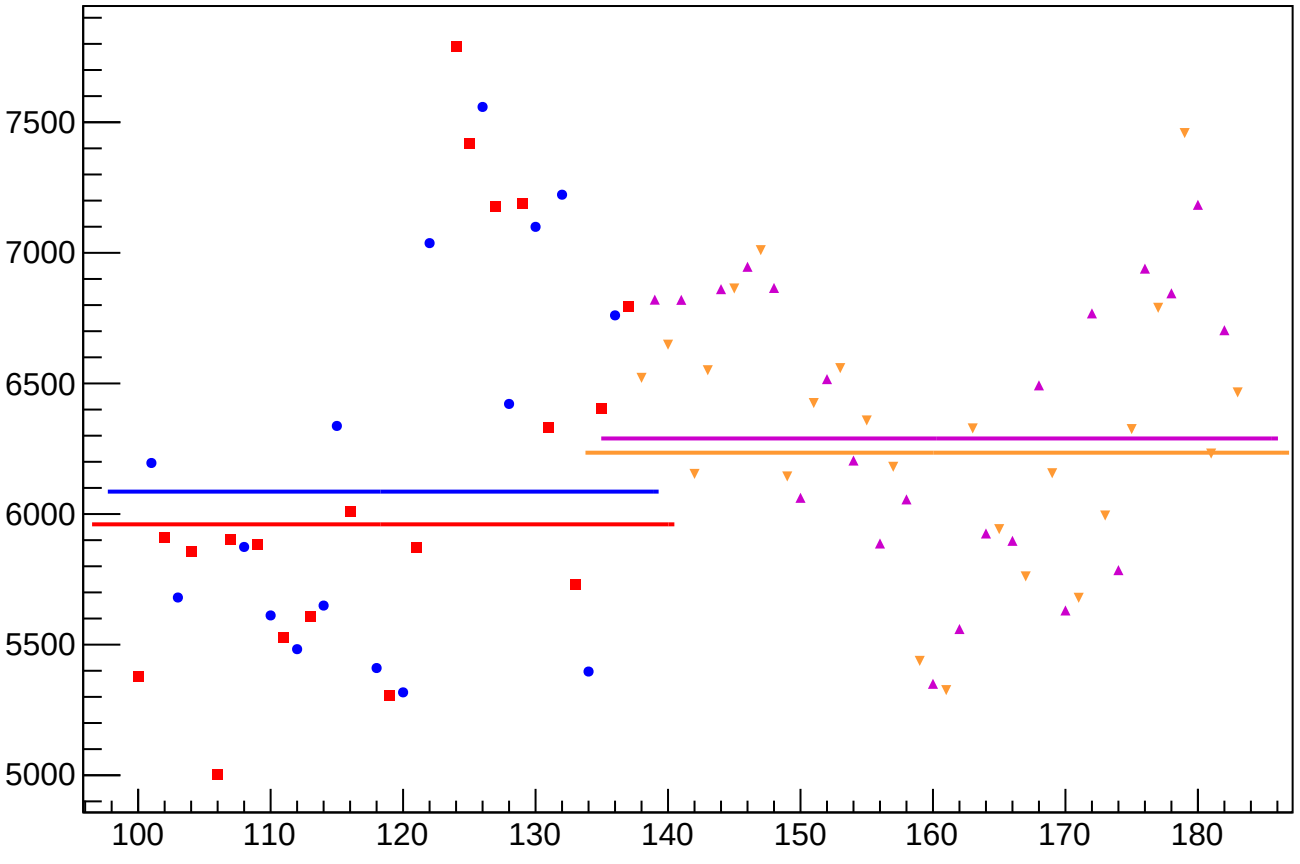
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 10.863+/-1.493 χ^2/NDF:21.4/21

+ sign -3.944+/-1.216 χ^2/NDF: 64.8/39

All: 3.131+/-0.866 χ^2/NDF: 180.6/80

- sign 10.420+/-1.234 χ^2/NDF: 47.1/40



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6234.881+/-1.016 χ^2/NDF:226230.5/23

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

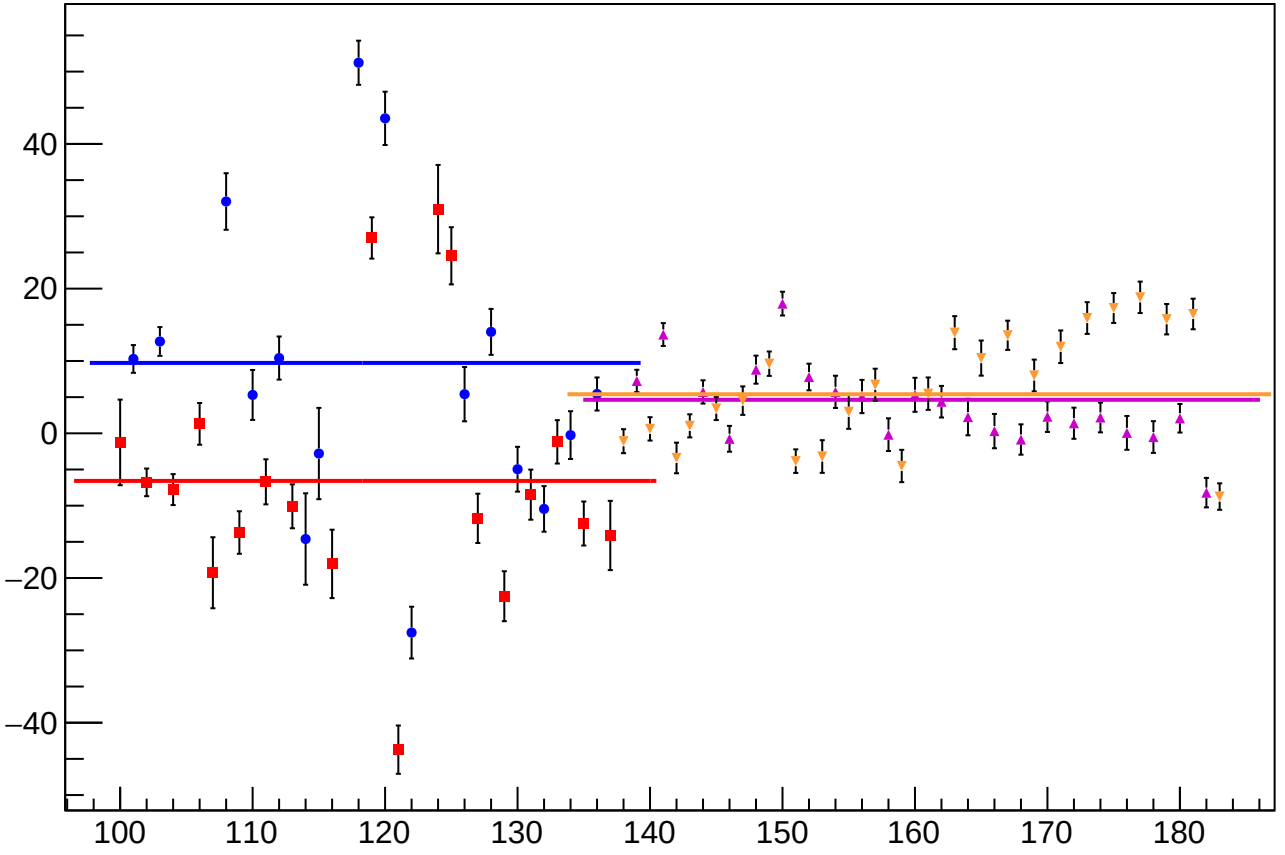
Left In: 6289.351+/-1.056 χ^2/NDF:264435.4/21

+ sign 6192.527+/-0.860 χ^2/NDF: 411463.5/39

All: 6188.871+/-0.612 χ^2/NDF: 869457.3/80

- sign 6185.104+/-0.872 χ^2/NDF: 457957.1/40

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.405+/-0.404 χ^2/NDF:374.9/23

Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

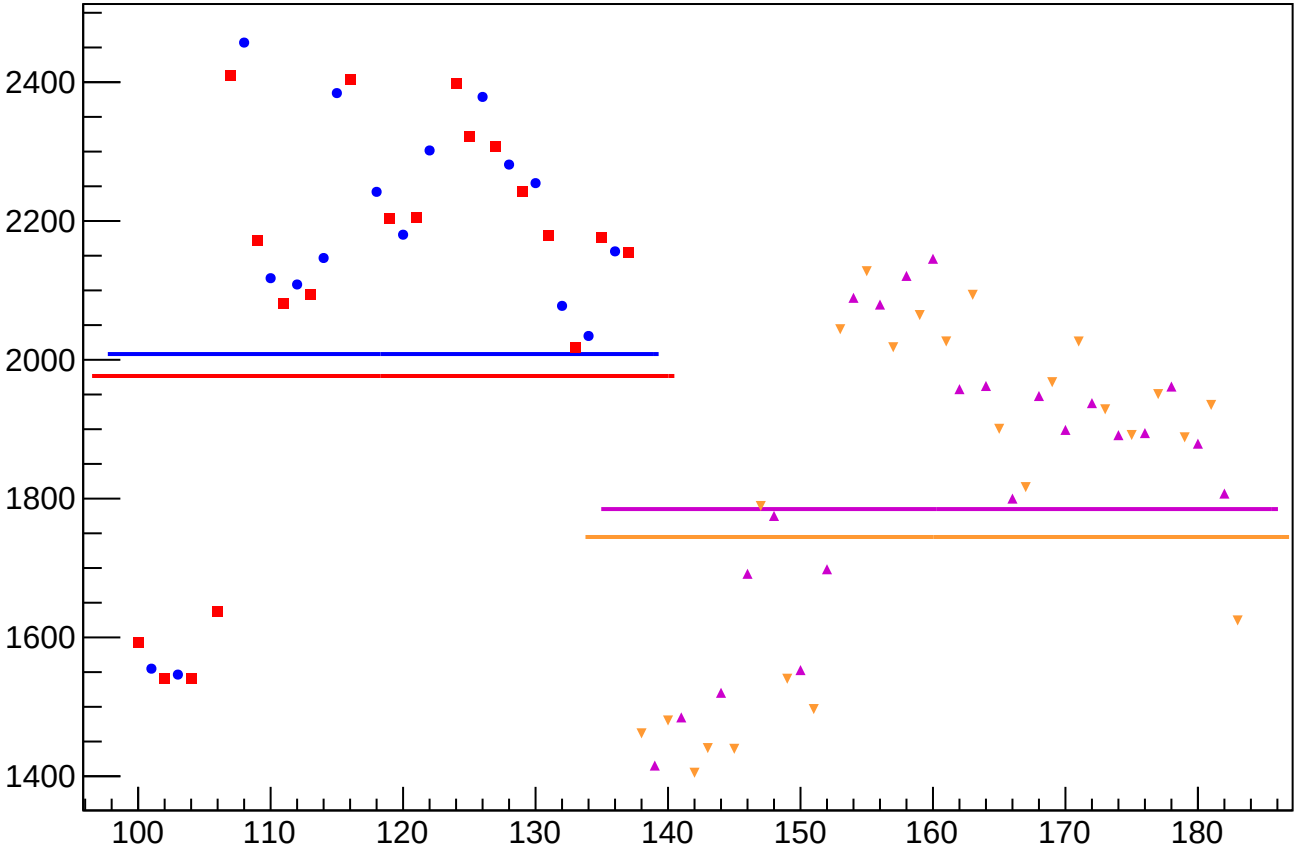
Left In: 4.635+/-0.424 χ^2/NDF:189.6/21

+ sign 6.367+/-0.356 χ^2/NDF: 912.9/39

All: 4.155+/-0.255 χ^2/NDF: 1782.1/80

- sign 1.807+/-0.367 χ^2/NDF: 789.6/40

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1744.699+/-0.285 χ^2/NDF:763048.9/23

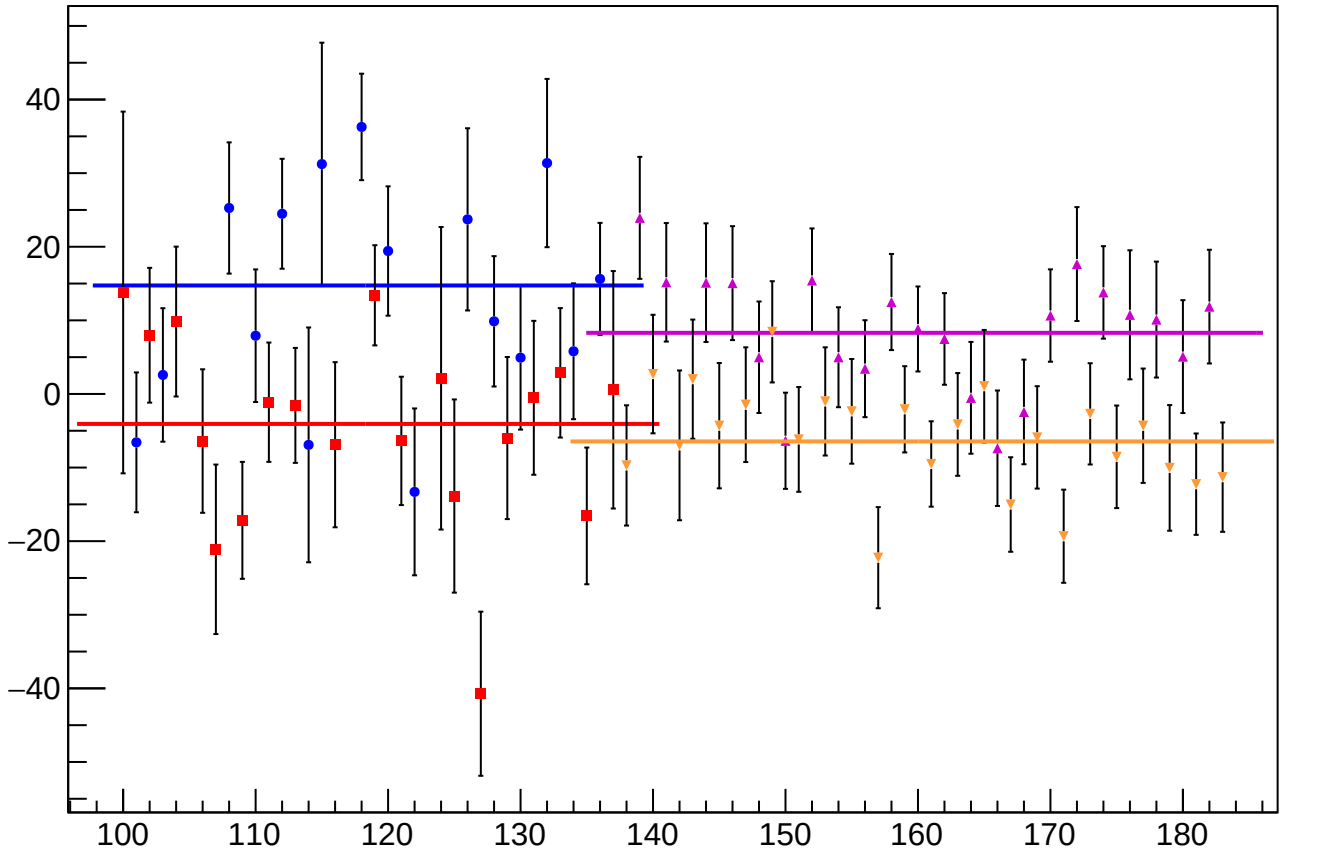
Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1784.937+/-0.300 χ^2/NDF:530918.7/21

+ sign 1803.309+/-0.252 χ^2/NDF: 1297058.6/39

All: 1817.855+/-0.181 χ^2/NDF: 2303321.7/80

- sign 1833.296+/-0.259 χ^2/NDF: 999378.9/40



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -6.448+/-1.469 χ^2/NDF:23.5/23

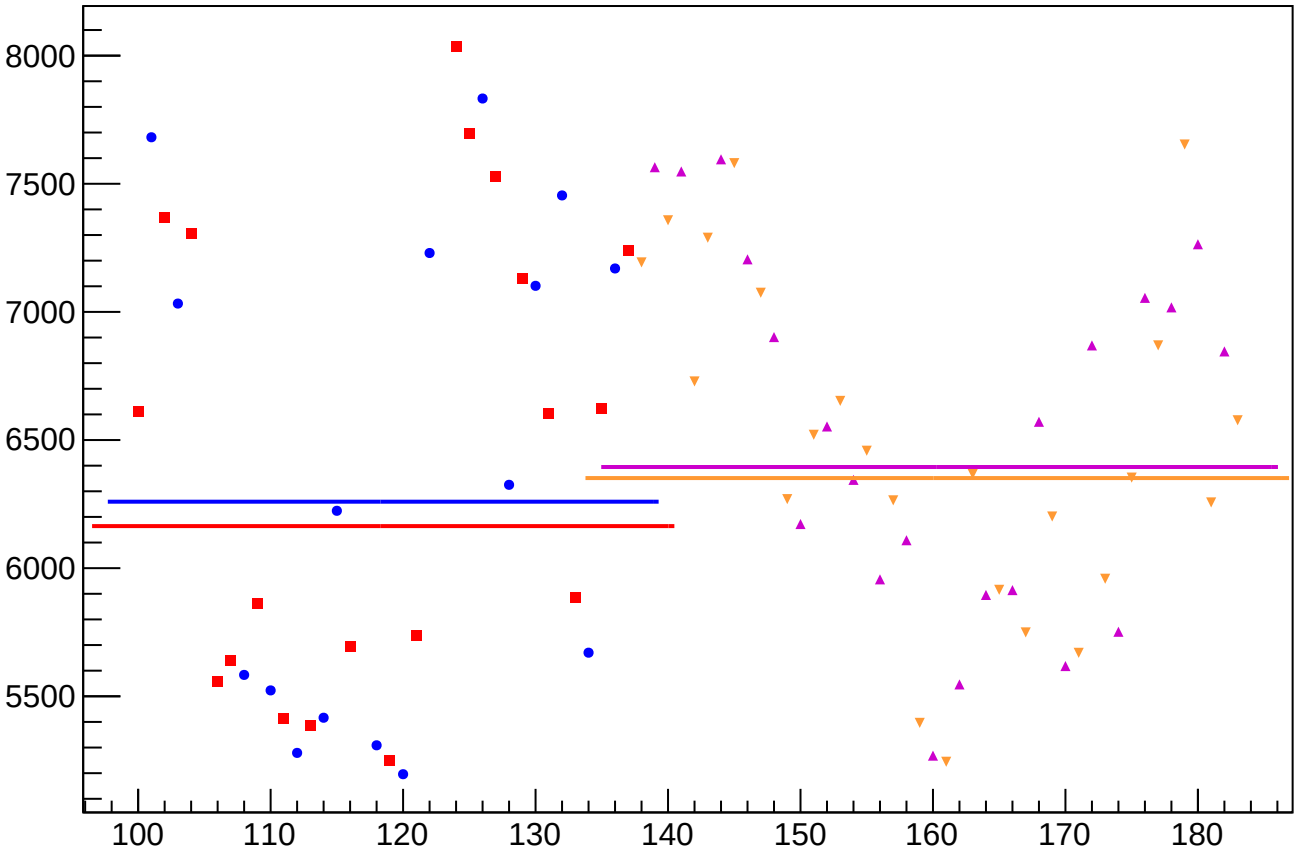
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.305+/-1.524 χ^2/NDF:23.7/21

+ sign -0.525+/-1.247 χ^2/NDF: 115.2/39

All: 1.934+/-0.888 χ^2/NDF: 197.5/80

- sign 4.469+/-1.266 χ^2/NDF: 74.4/40



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6351.600+/-1.039 χ^2/NDF:384868.3/23

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

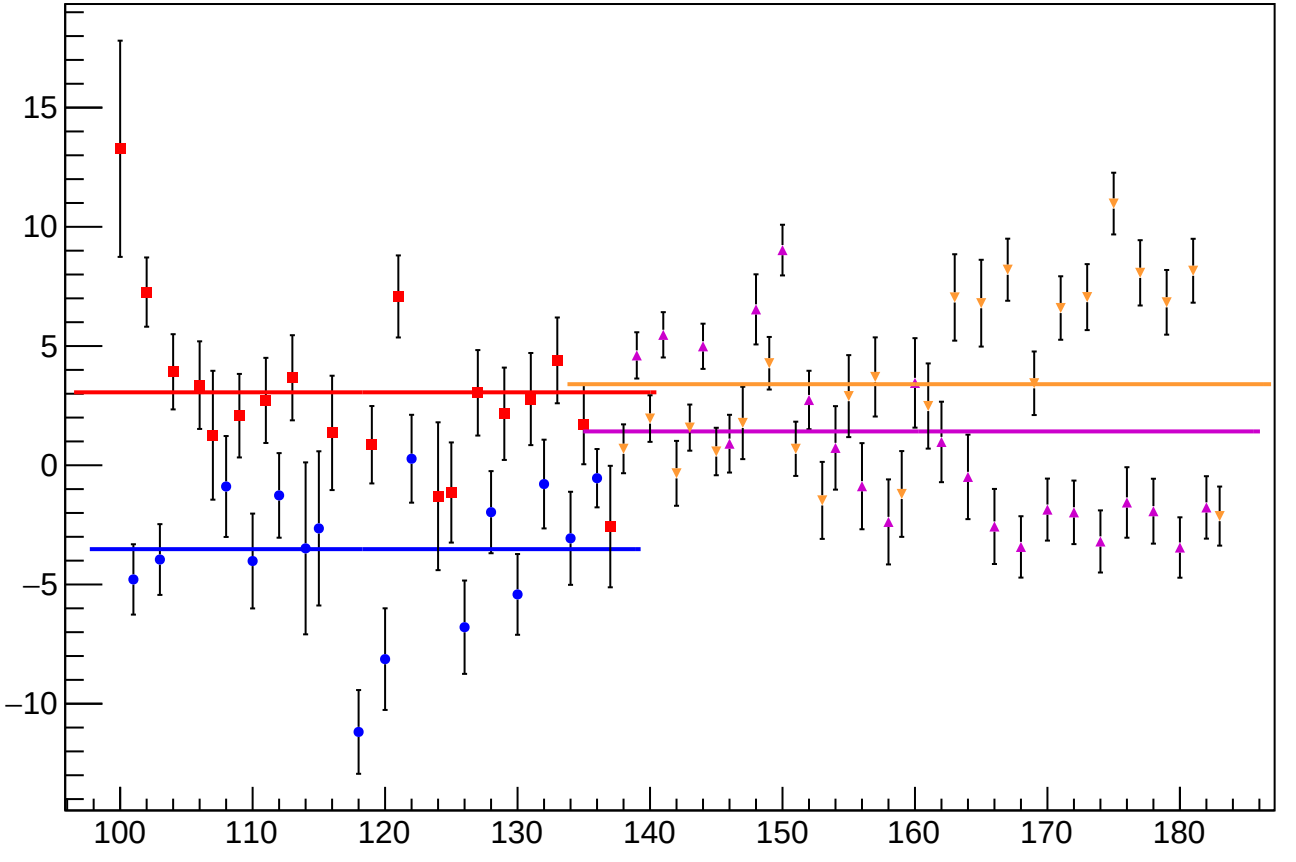
Left In: 6394.767+/-1.077 χ^2/NDF:418394.2/21

+ sign 6325.826+/-0.881 χ^2/NDF: 695677.9/39

All: 6324.578+/-0.628 χ^2/NDF: 1393333.8/80

- sign 6323.291+/-0.895 χ^2/NDF: 697651.9/40

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.400+/-0.266 χ^2/NDF:170.5/23

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

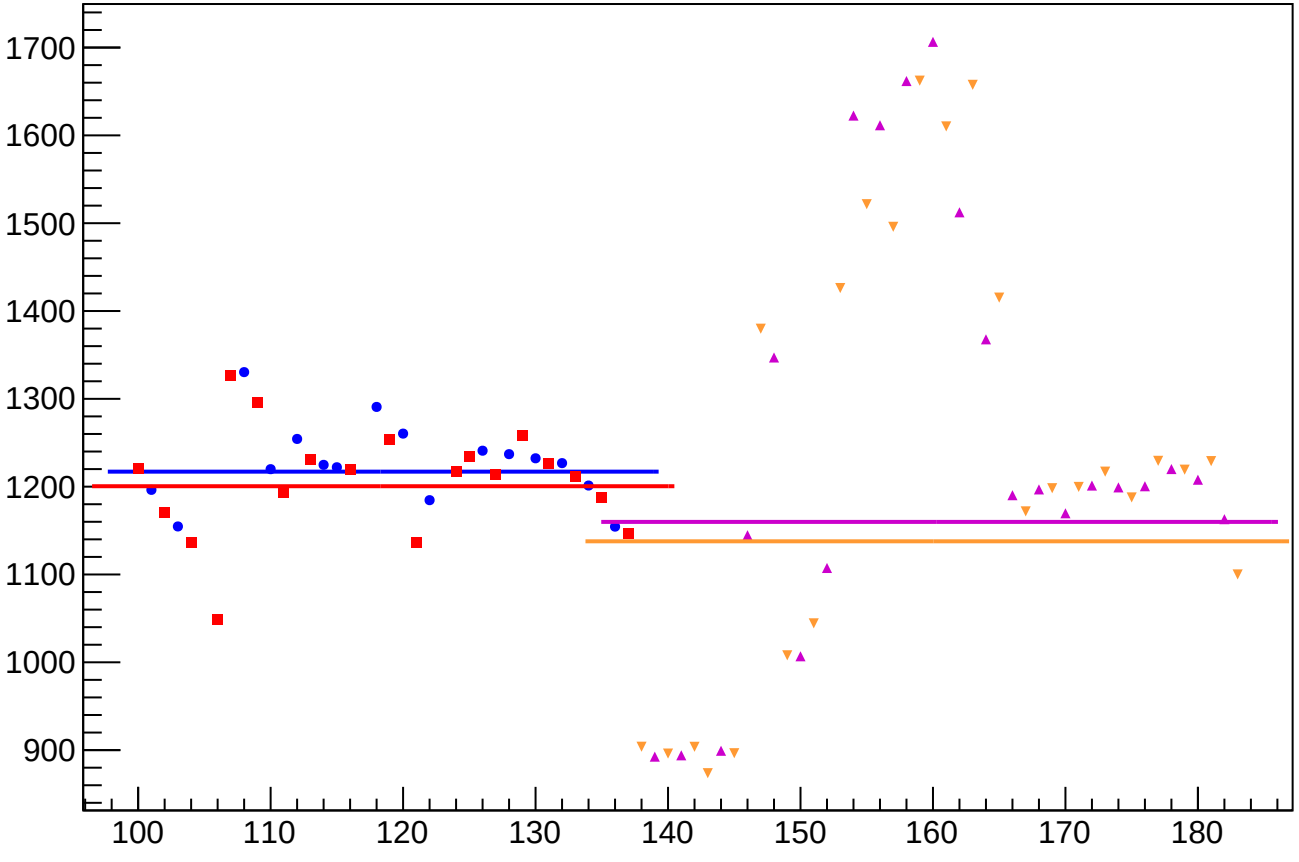
Left In: 1.419+/-0.279 χ^2/NDF:193.3/21

+ sign 1.619+/-0.230 χ^2/NDF: 389.2/39

All: 1.752+/-0.164 χ^2/NDF: 627.9/80

- sign 1.893+/-0.235 χ^2/NDF: 238.0/40

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1137.773+/-0.188 χ^2/NDF:1468961.9/23

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

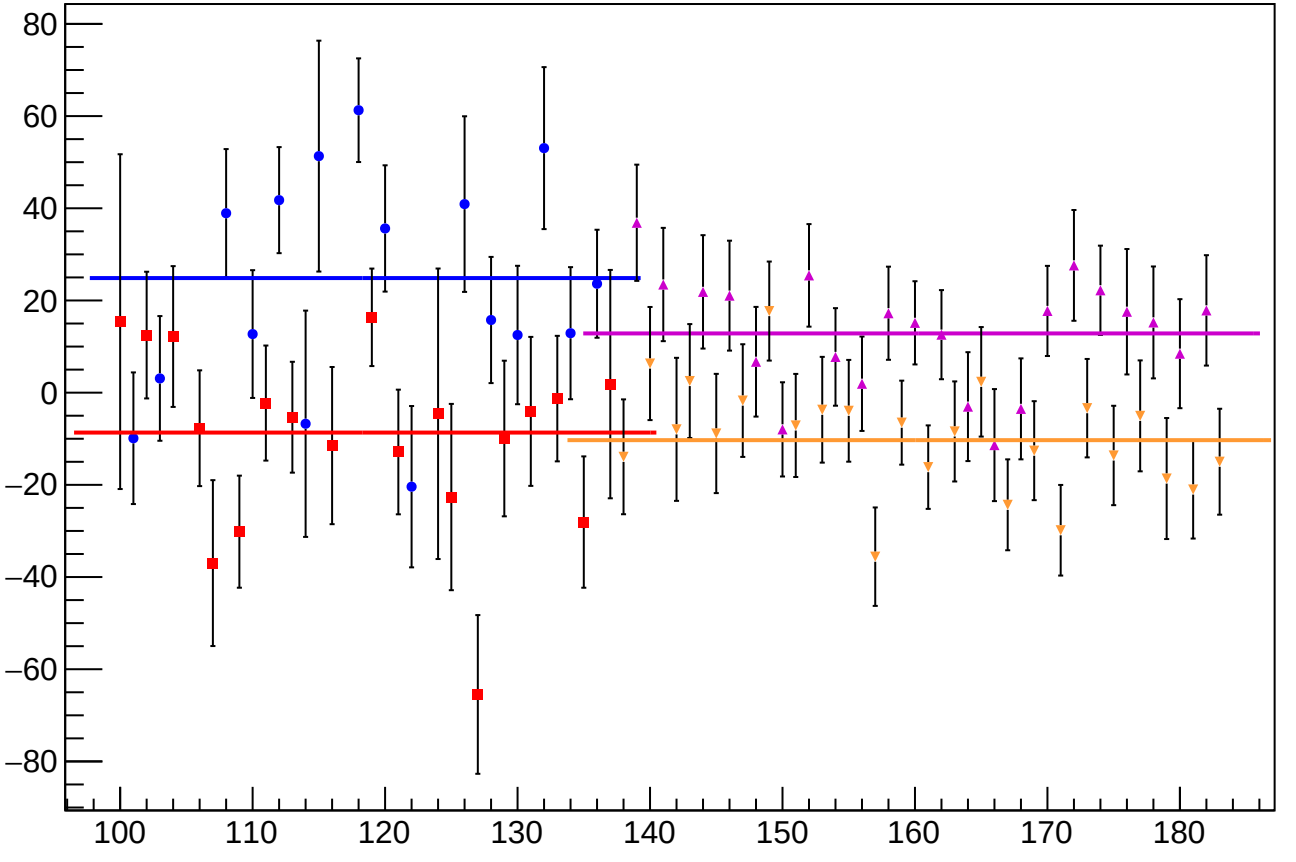
Left In: 1159.871+/-0.197 χ^2/NDF:1259513.6/21

+ sign 1158.202+/-0.162 χ^2/NDF: 1536295.5/39

All: 1164.729+/-0.116 χ^2/NDF: 2849002.0/80

- sign 1171.592+/-0.166 χ^2/NDF: 1309390.8/40

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -10.304+/-2.274 χ^2/NDF:26.7/23

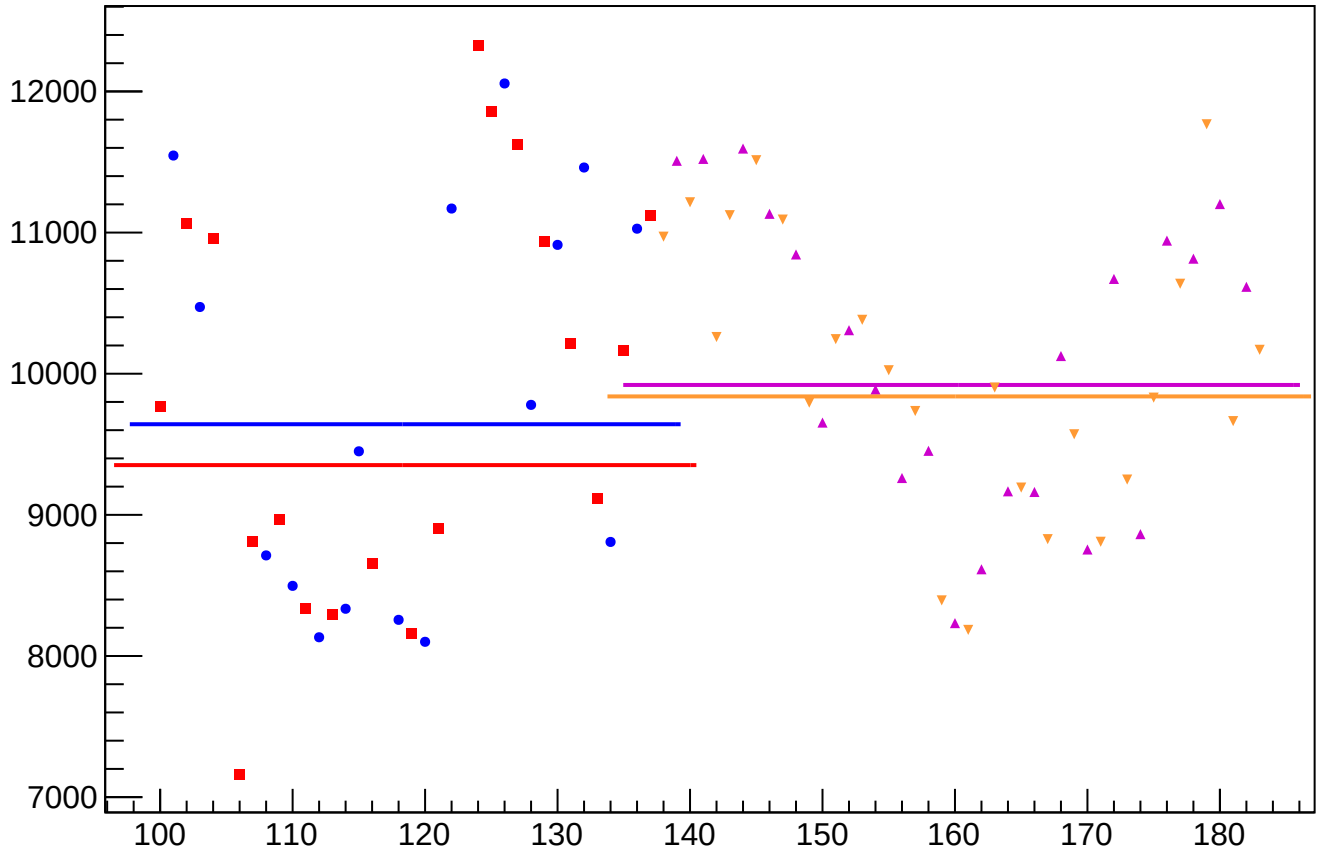
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 12.851+/-2.363 χ^2/NDF:23.9/21

+ sign -0.382+/-1.927 χ^2/NDF: 132.3/39

All: 2.768+/-1.371 χ^2/NDF: 218.2/80

- sign 5.994+/-1.950 χ^2/NDF: 80.4/40



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9839.140+/-1.608 χ^2/NDF:354553.4/23

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

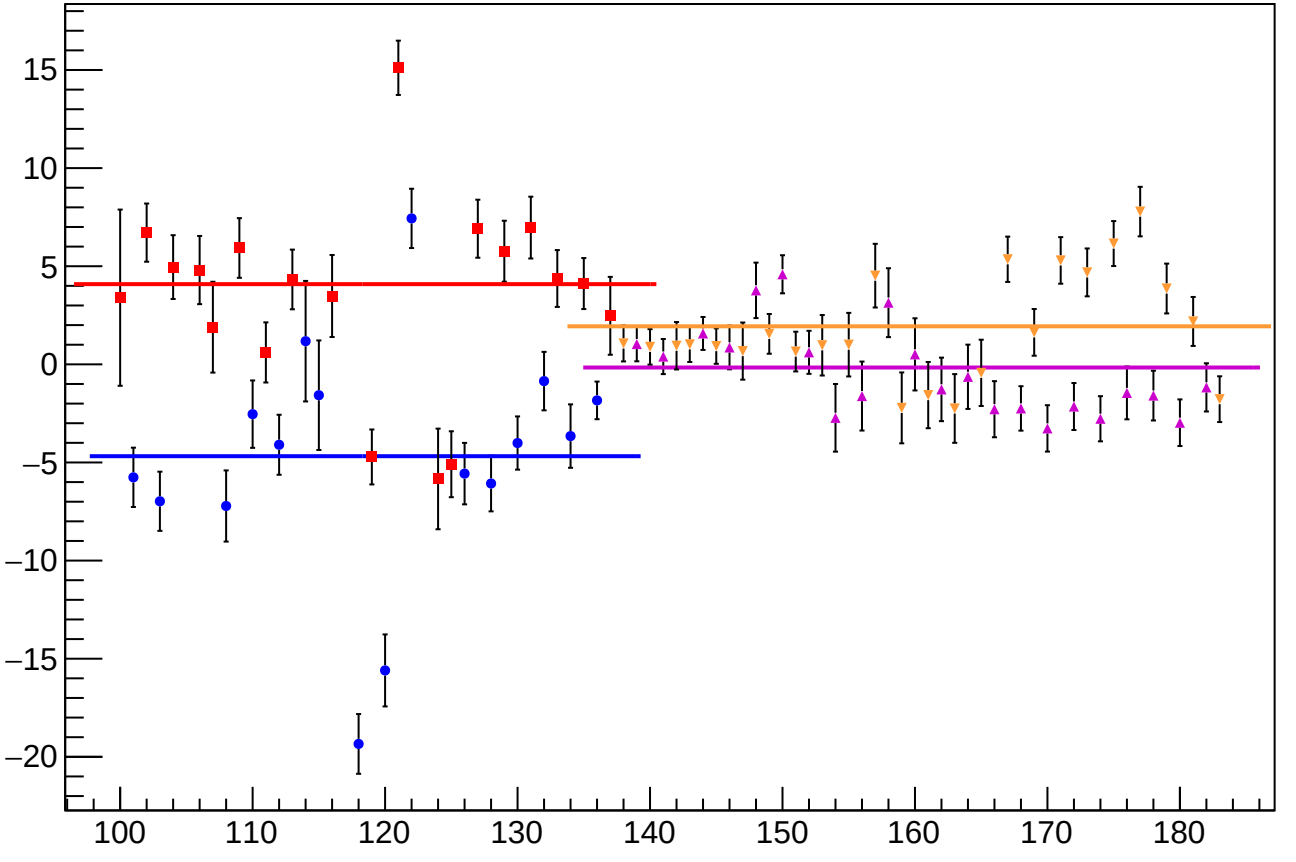
Left In: 9920.353+/-1.671 χ^2/NDF:387395.4/21

+ sign 9783.538+/-1.363 χ^2/NDF: 638446.9/39

All: 9761.694+/-0.969 χ^2/NDF: 1364972.1/80

- sign 9739.326+/-1.379 χ^2/NDF: 726005.1/40

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.938+/-0.244 χ^2/NDF:97.7/23

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

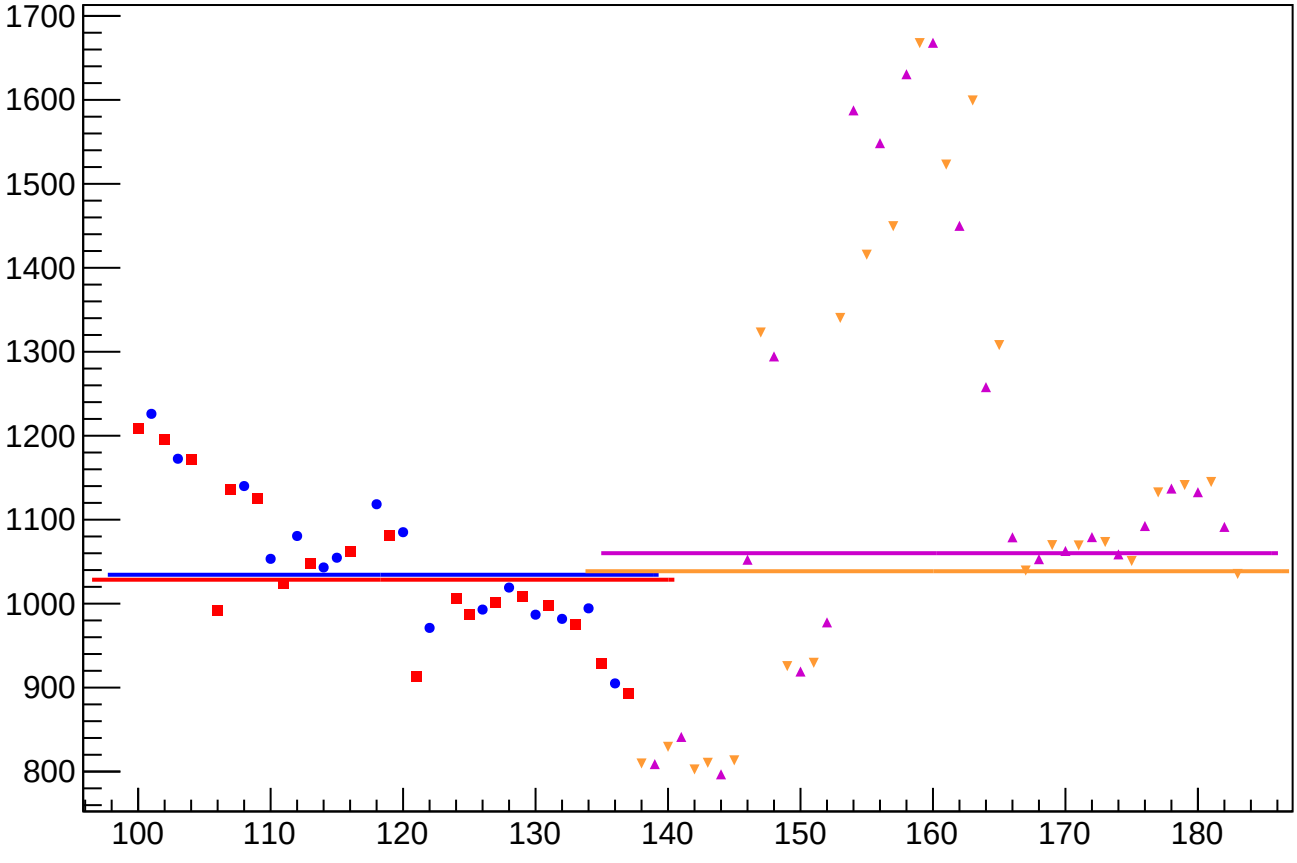
Left In: -0.161+/-0.257 χ^2/NDF:75.6/21

+ sign 0.042+/-0.206 χ^2/NDF: 528.9/39

All: 0.599+/-0.148 χ^2/NDF: 874.5/80

- sign 1.187+/-0.212 χ^2/NDF: 330.6/40

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1038.608+/-0.173 χ^2/NDF:1706589.3/23

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

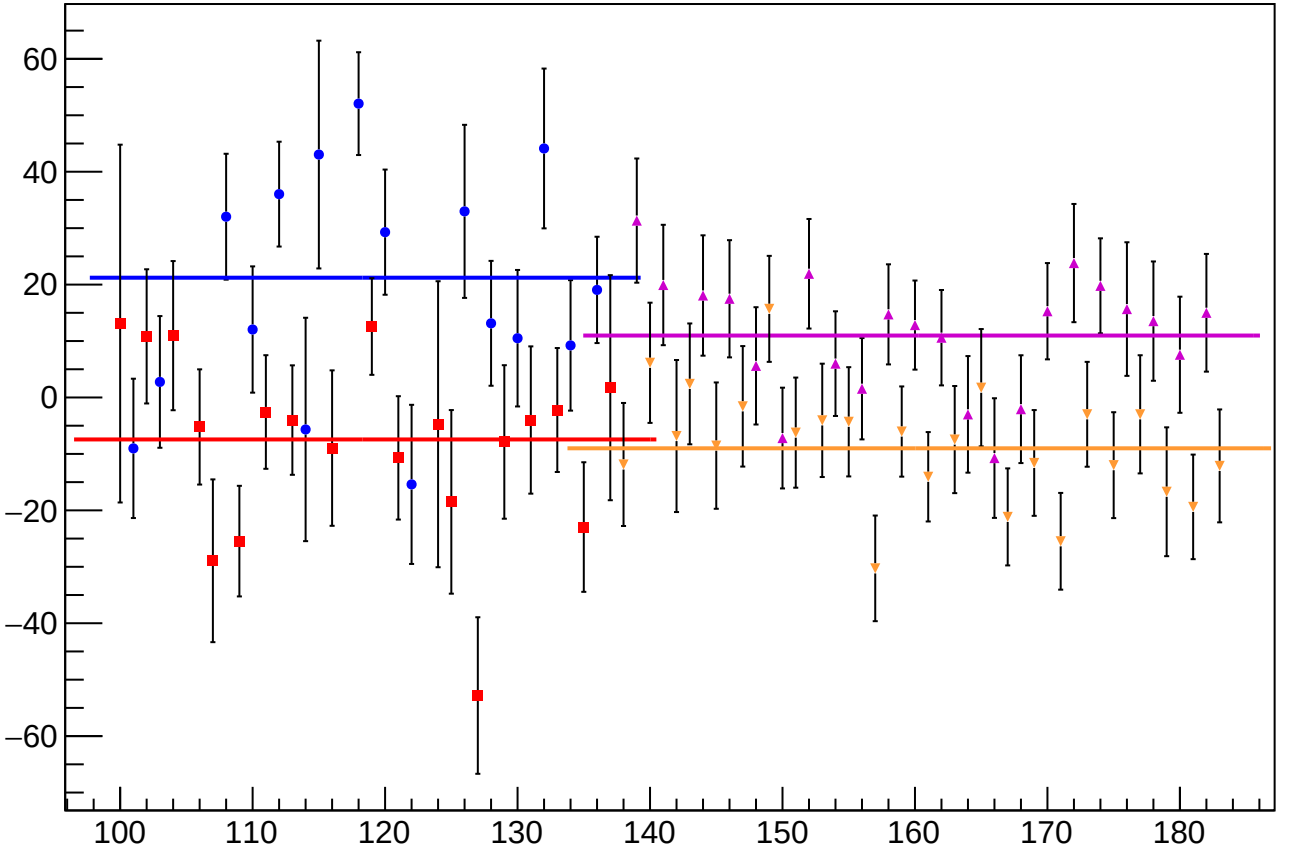
Left In: 1060.088+/-0.181 χ^2/NDF:1523209.9/21

+ sign 1037.403+/-0.146 χ^2/NDF: 1820037.5/39

All: 1043.563+/-0.105 χ^2/NDF: 3458145.0/80

- sign 1050.061+/-0.150 χ^2/NDF: 1634449.2/40

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -9.006+/-1.984 χ^2/NDF:26.5/23

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

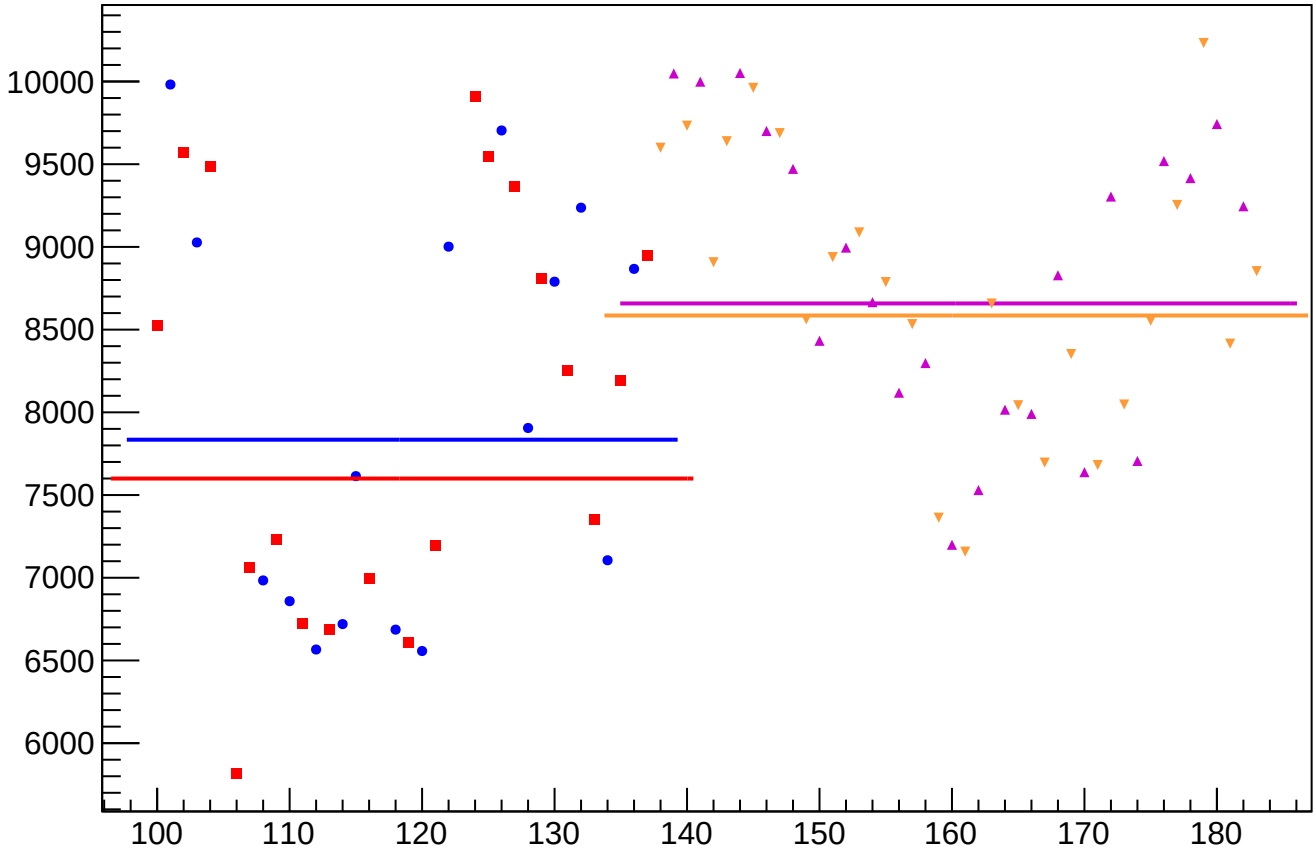
Left In: 10.974+/-2.062 χ^2/NDF:23.5/21

+ sign 0.403+/-1.647 χ^2/NDF: 138.8/39

All: 2.449+/-1.170 χ^2/NDF: 223.1/80

- sign 4.534+/-1.662 χ^2/NDF: 81.2/40

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8585.475+/-1.403 χ^2/NDF:342042.6/23

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

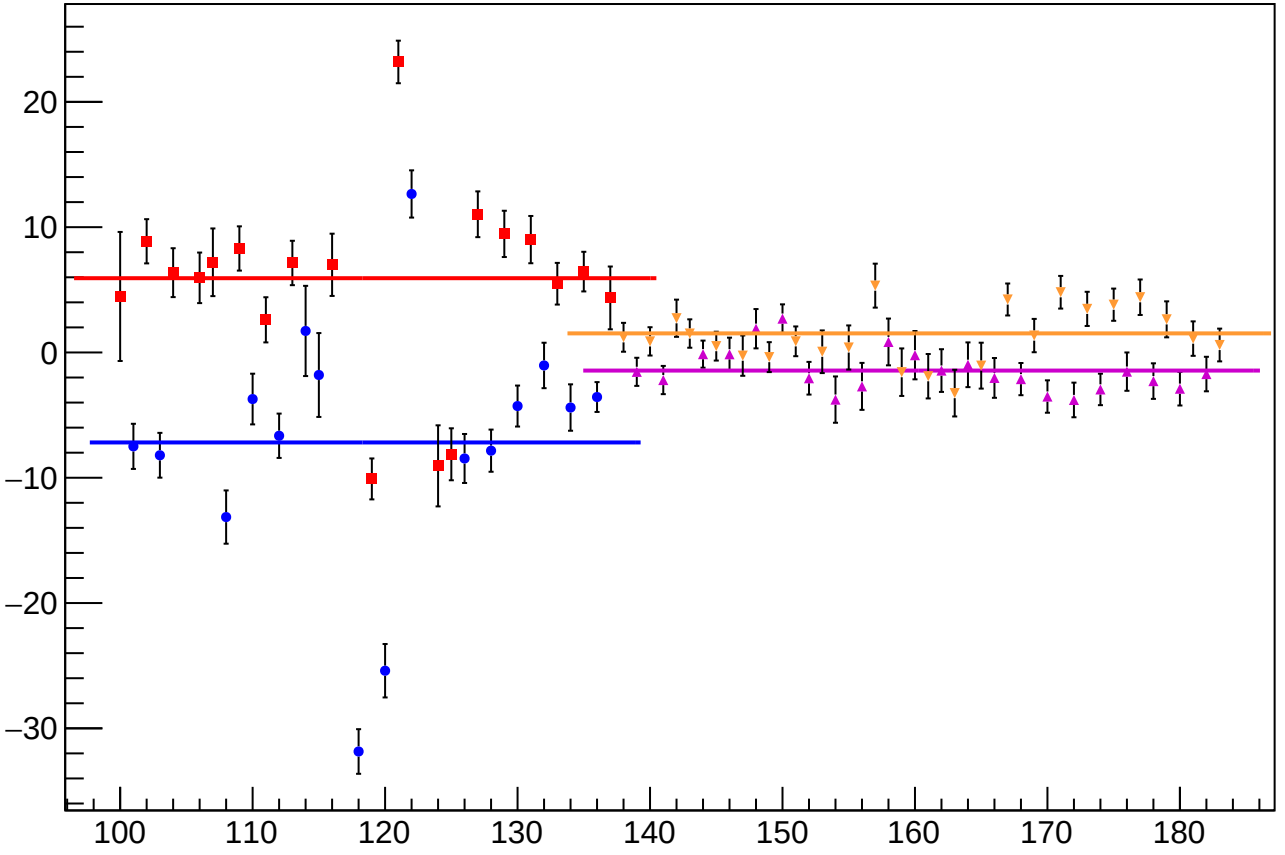
Left In: 8658.332+/-1.458 χ^2/NDF:375816.1/21

+ sign 8351.775+/-1.164 χ^2/NDF: 749264.8/39

All: 8320.173+/-0.827 χ^2/NDF: 1655357.3/80

- sign 8287.973+/-1.175 χ^2/NDF: 904605.5/40

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.523+/-0.283 χ^2/NDF:48.1/23

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

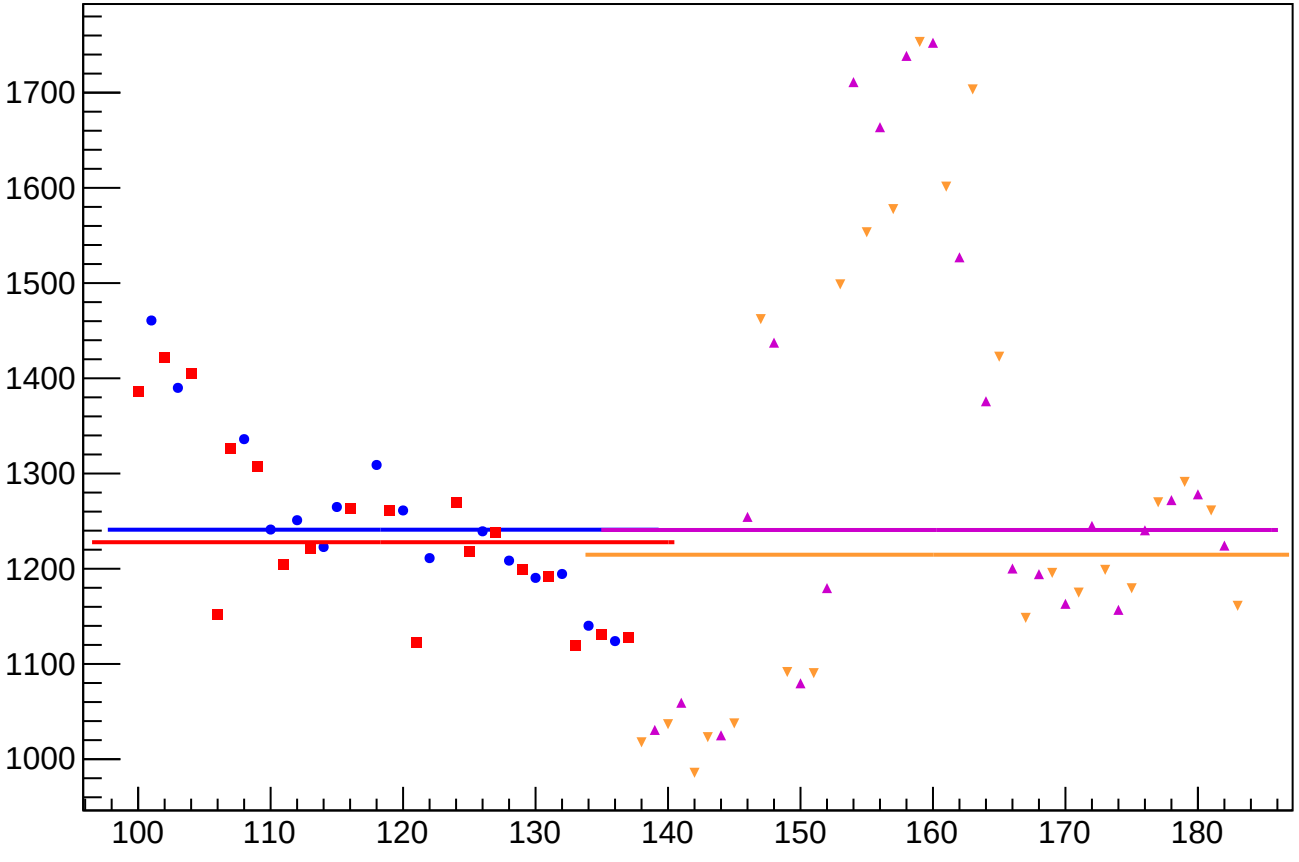
Left In: -1.445+/-0.297 χ^2/NDF:33.7/21

+ sign -0.848+/-0.241 χ^2/NDF: 728.3/39

All: -0.046+/-0.173 χ^2/NDF: 1262.5/80

- sign 0.799+/-0.248 χ^2/NDF: 511.5/40

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1214.728+/-0.200 χ^2/NDF:1009435.7/23

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

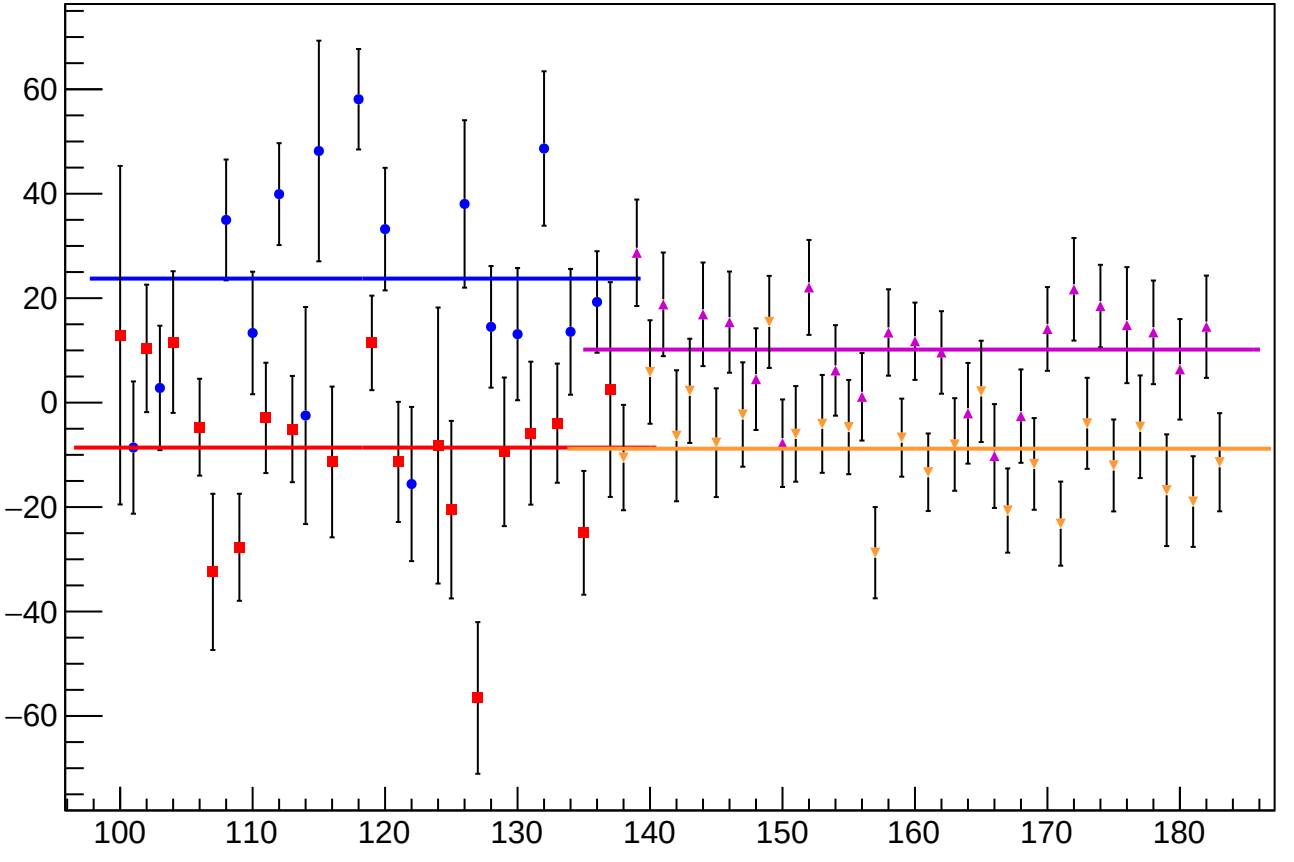
Left In: 1240.709+/-0.210 χ^2/NDF:882801.7/21

+ sign 1221.884+/-0.171 χ^2/NDF: 1094791.0/39

All: 1229.142+/-0.122 χ^2/NDF: 2064789.1/80

- sign 1236.799+/-0.175 χ^2/NDF: 966278.8/40

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.819+/-1.856 χ^2/NDF:27.1/23

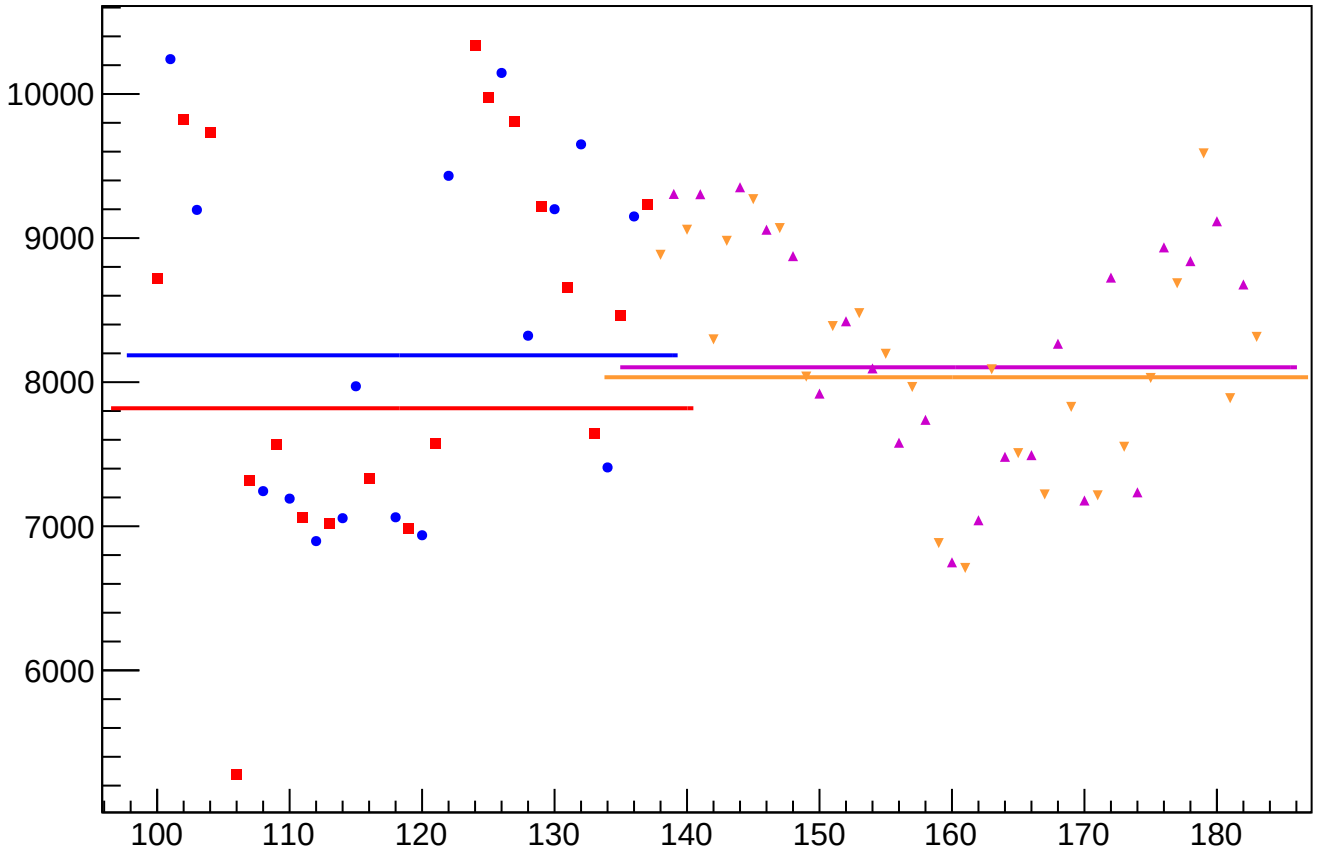
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.159+/-1.929 χ^2/NDF:24.3/21

+ sign -0.145+/-1.590 χ^2/NDF: 152.5/39

All: 2.104+/-1.130 χ^2/NDF: 240.3/80

- sign 4.399+/-1.606 χ^2/NDF: 83.8/40



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8034.208+/-1.313 χ^2/NDF:330998.4/23

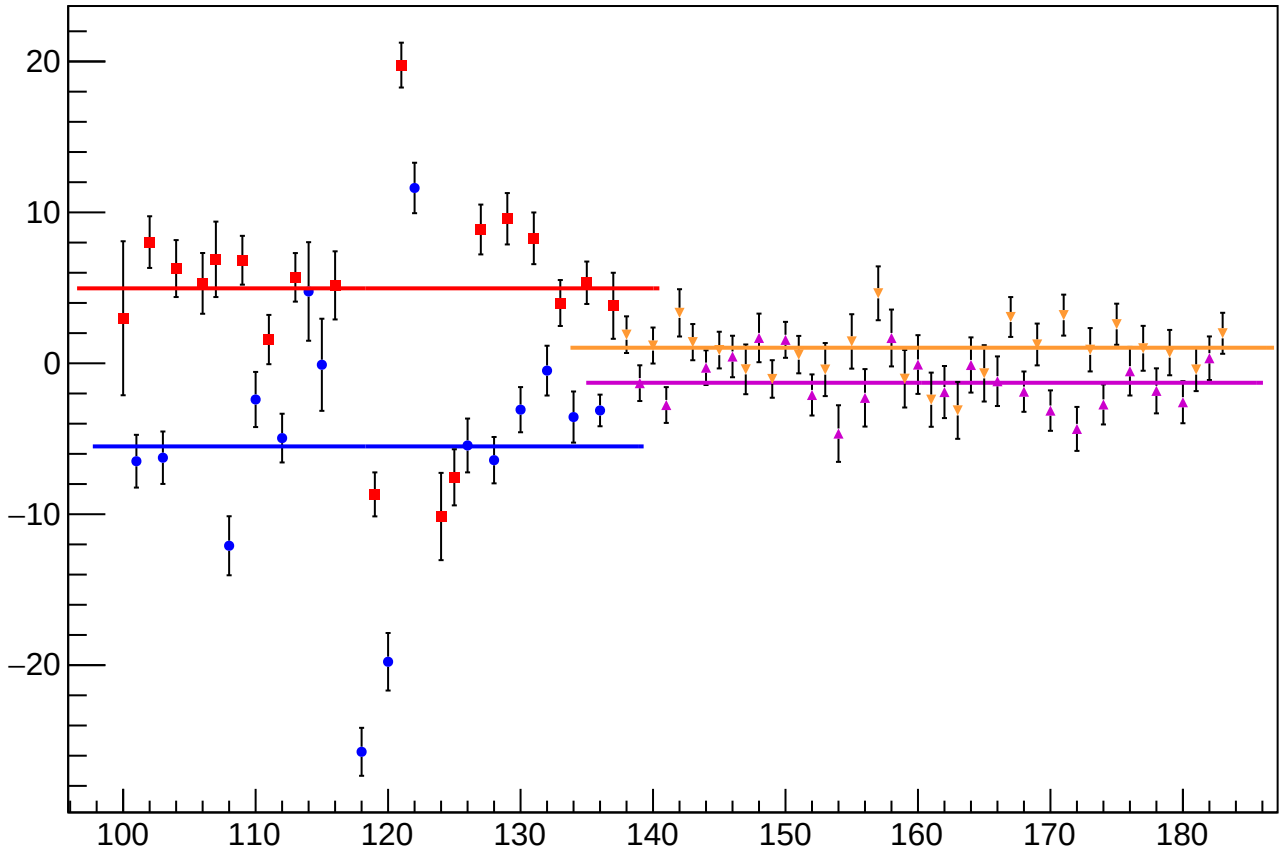
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8103.346+/-1.364 χ^2/NDF:365581.1/21

+ sign 8074.728+/-1.124 χ^2/NDF: 625204.9/39

All: 8045.691+/-0.799 χ^2/NDF: 1428470.6/80

- sign 8016.075+/-1.136 χ^2/NDF: 801918.7/40



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.032+/-0.295 χ^2/NDF:29.6/23

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

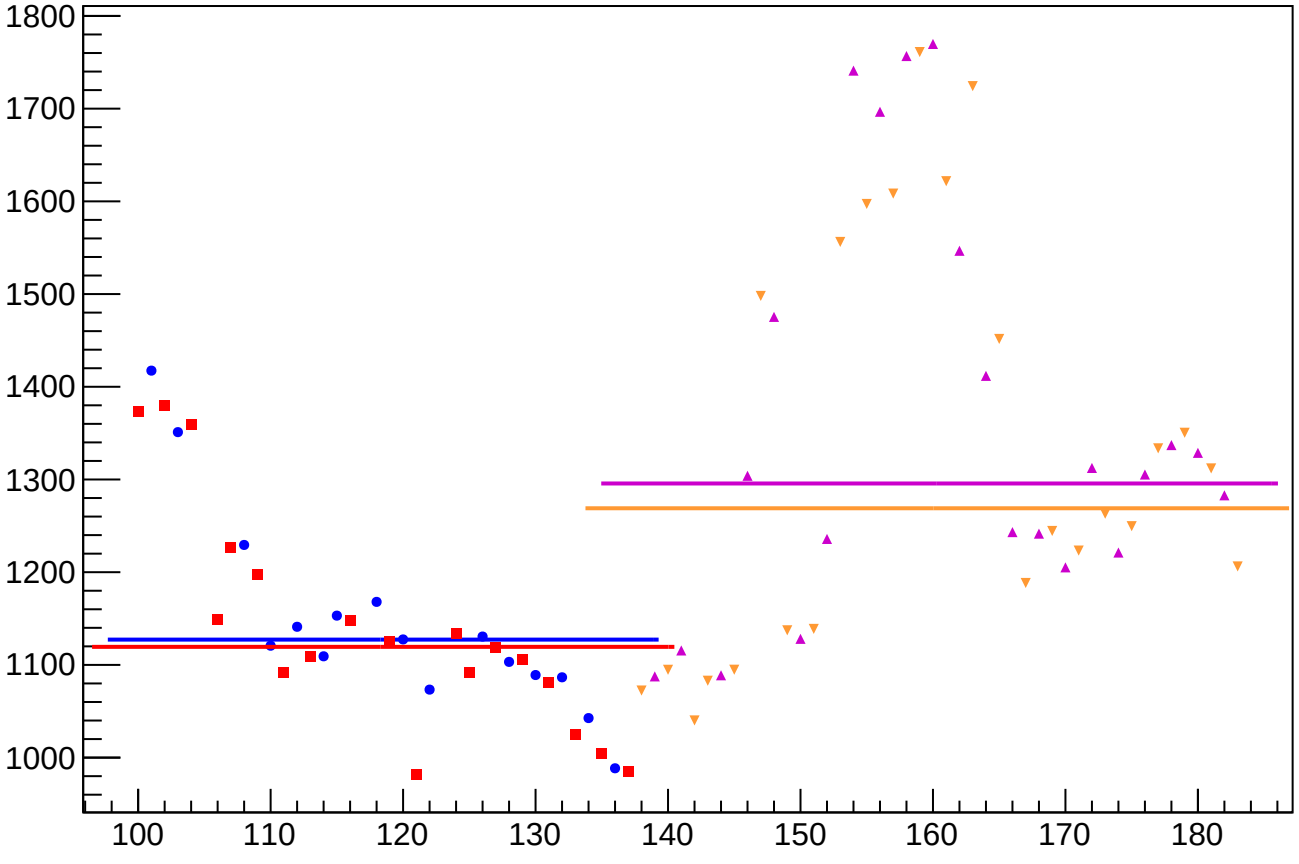
Left In: -1.290+/-0.310 χ^2/NDF:30.4/21

+ sign -1.119+/-0.241 χ^2/NDF: 561.4/39

All: -0.094+/-0.173 χ^2/NDF: 1064.2/80

- sign 0.979+/-0.247 χ^2/NDF: 465.9/40

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1268.952+/-0.208 χ^2/NDF:875013.6/23

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

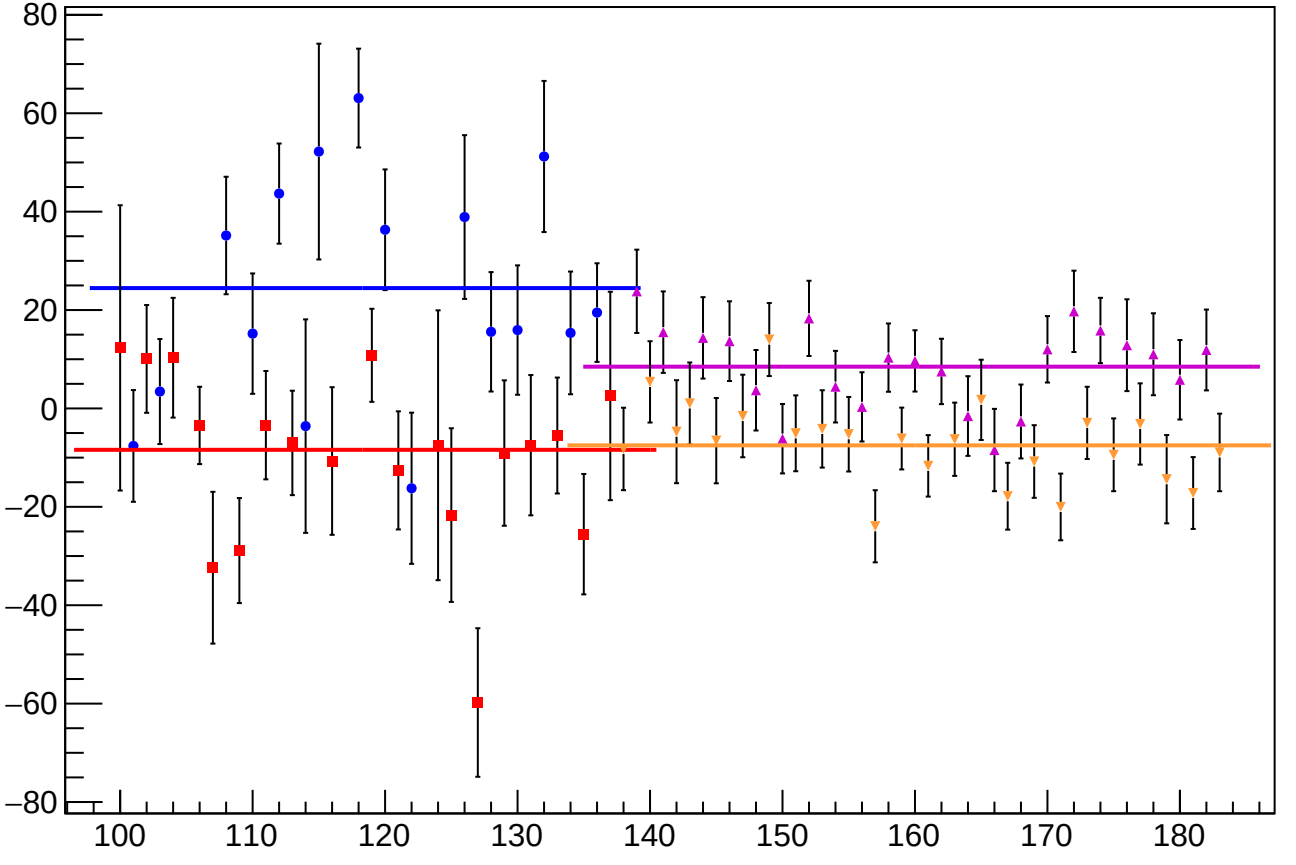
Left In: 1295.690+/-0.219 χ^2/NDF:755337.1/21

+ sign 1222.338+/-0.171 χ^2/NDF: 1167657.0/39

All: 1226.951+/-0.122 χ^2/NDF: 2300303.6/80

- sign 1231.784+/-0.175 χ^2/NDF: 1131151.4/40

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -7.505+/-1.558 χ^2/NDF:28.7/23

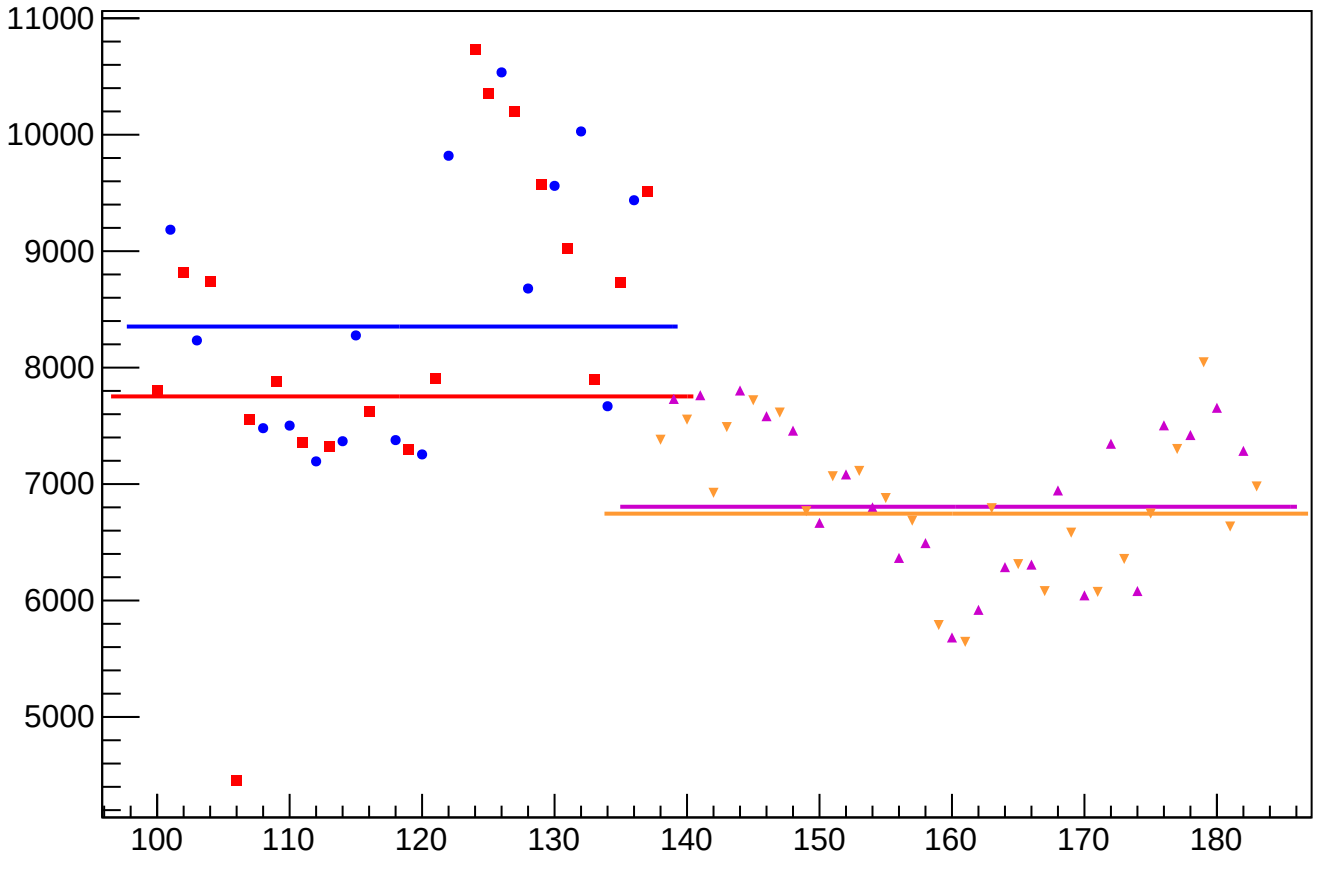
Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: 8.489+/-1.620 χ^2/NDF:24.8/21

+ sign -1.174+/-1.396 χ^2/NDF: 160.4/39

All: 1.604+/-0.993 χ^2/NDF: 250.3/80

- sign 4.452+/-1.413 χ^2/NDF: 81.9/40



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6745.952+/-1.102 χ^2/NDF:315273.0/23

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

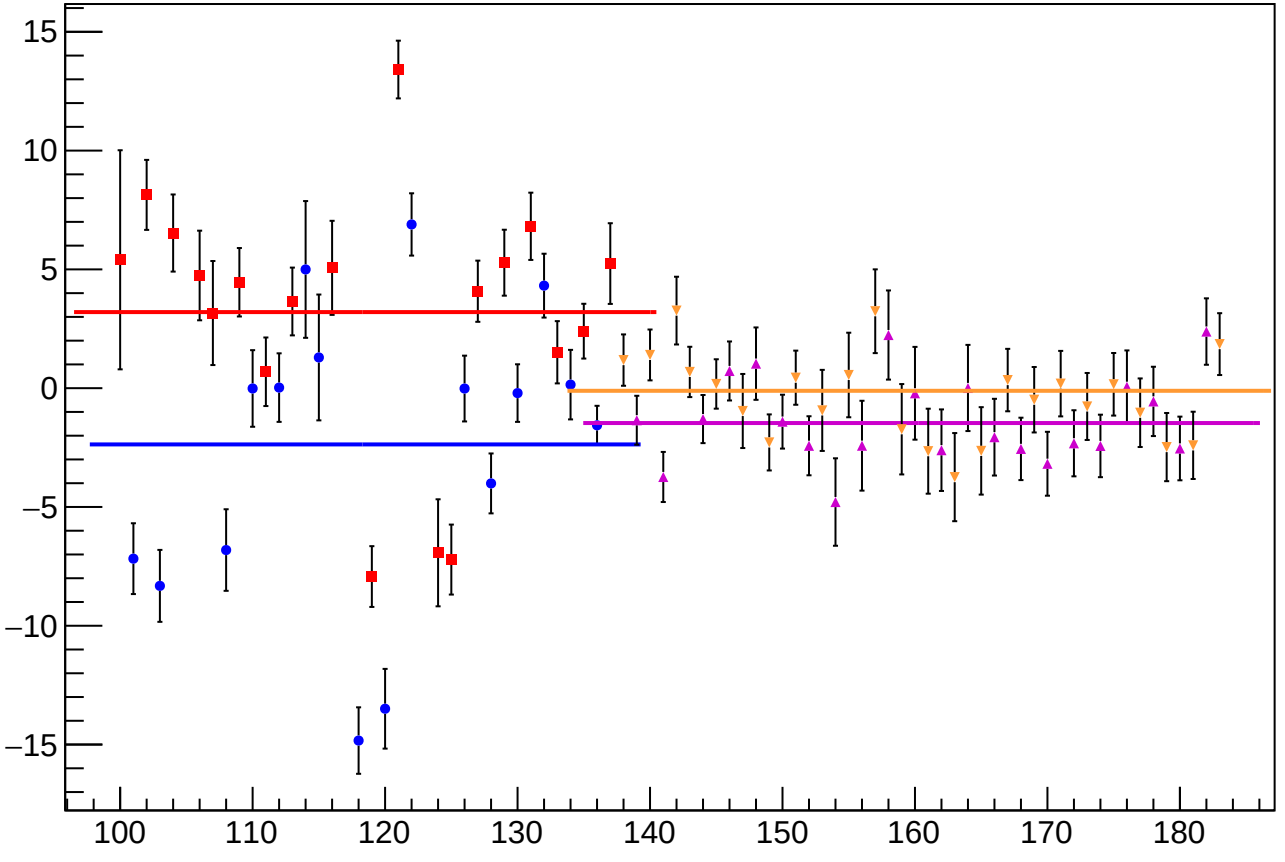
Left In: 6805.242+/-1.145 χ^2/NDF:351395.4/21

+ sign 7064.130+/-0.987 χ^2/NDF: 956730.9/39

All: 7048.041+/-0.702 χ^2/NDF: 2060232.8/80

- sign 7031.550+/-0.999 χ^2/NDF: 1102963.6/40

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.110+/-0.279 χ^2/NDF:34.6/23

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

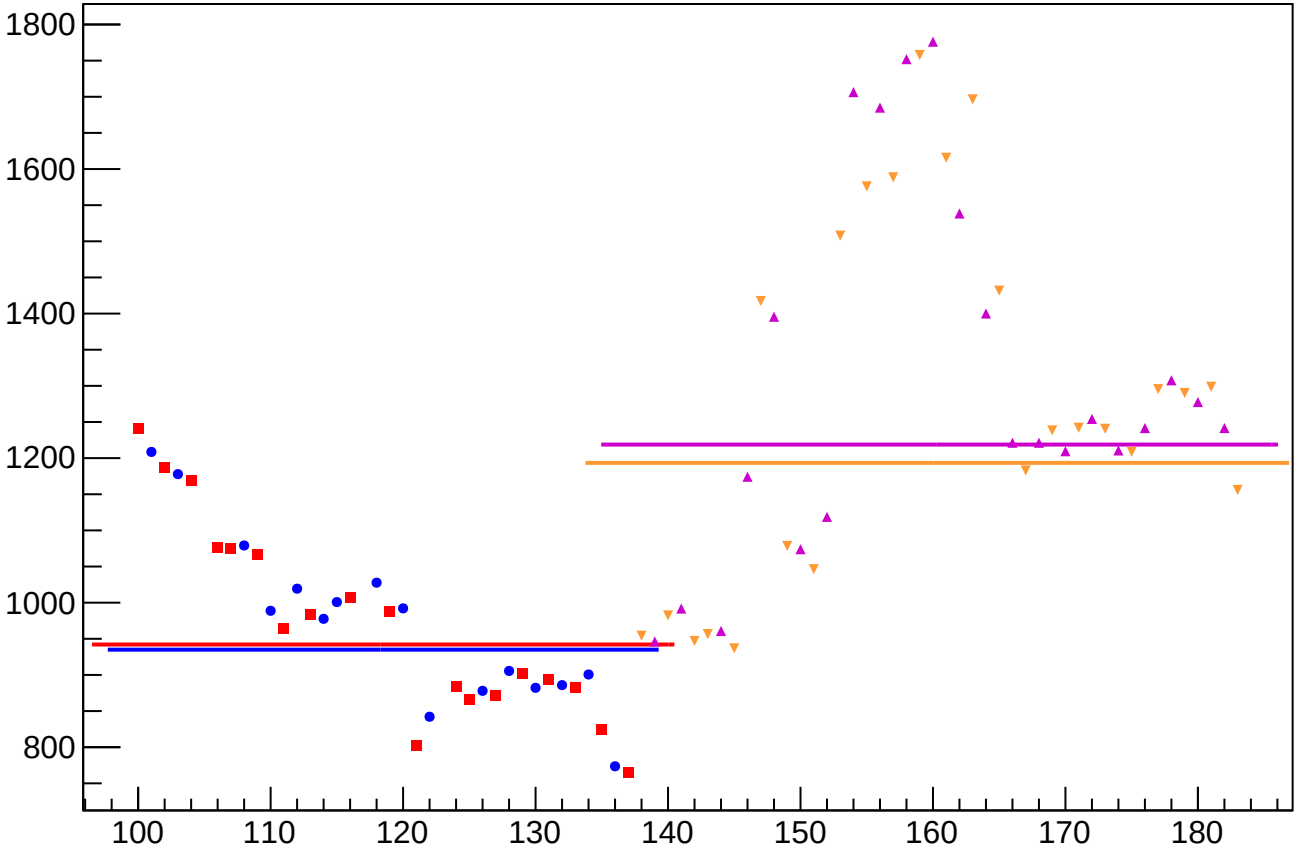
Left In: -1.467+/-0.293 χ^2/NDF:33.0/21

+ sign -0.985+/-0.218 χ^2/NDF: 315.6/39

All: -0.271+/-0.156 χ^2/NDF: 727.1/80

- sign 0.479+/-0.224 χ^2/NDF: 389.5/40

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1193.422+/-0.197 χ^2/NDF:1318988.1/23

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

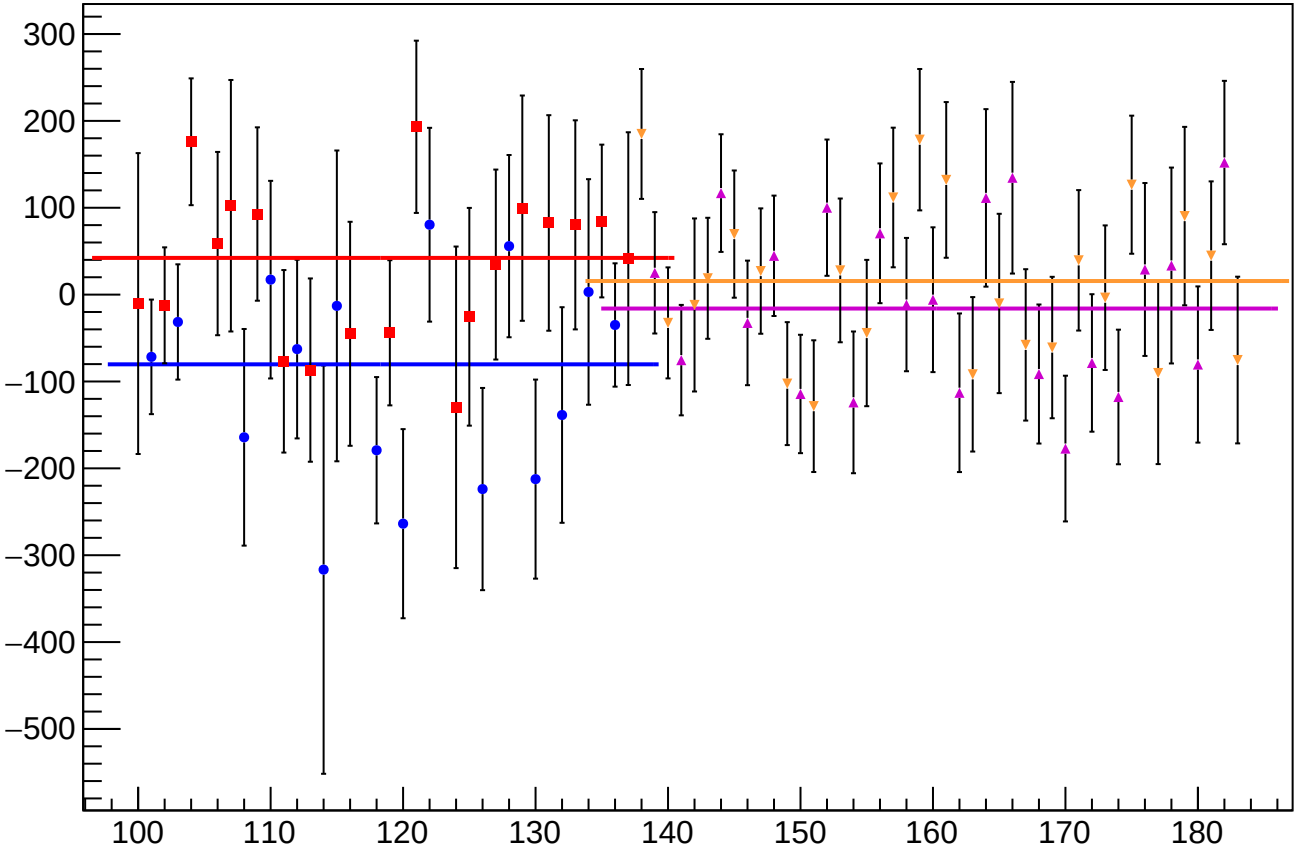
Left In: 1218.757+/-0.207 χ^2/NDF:1127260.8/21

+ sign 1093.229+/-0.154 χ^2/NDF: 2239393.3/39

All: 1098.216+/-0.110 χ^2/NDF: 4345454.7/80

- sign 1103.453+/-0.158 χ^2/NDF: 2103919.6/40

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 15.654+/-16.691 χ^2/NDF:28.2/23

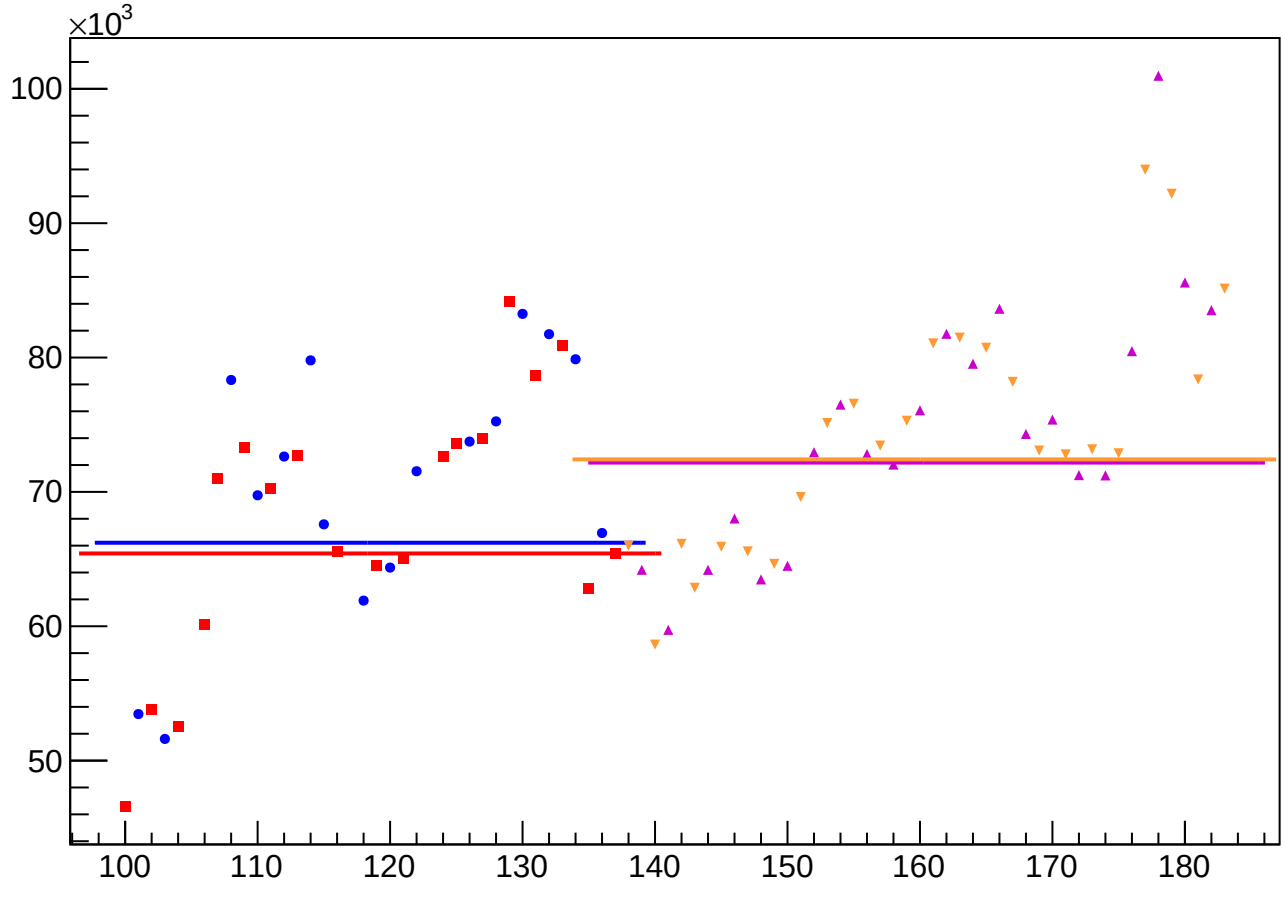
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -16.026+/-17.129 χ^2/NDF:28.7/21

+ sign -14.063+/-13.866 χ^2/NDF: 53.2/39

All: -5.353+/-9.841 χ^2/NDF: 99.5/80

- sign 3.489+/-13.970 χ^2/NDF: 45.5/40



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 72419.951+/-11.802 χ^2/NDF:488822.9/23

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

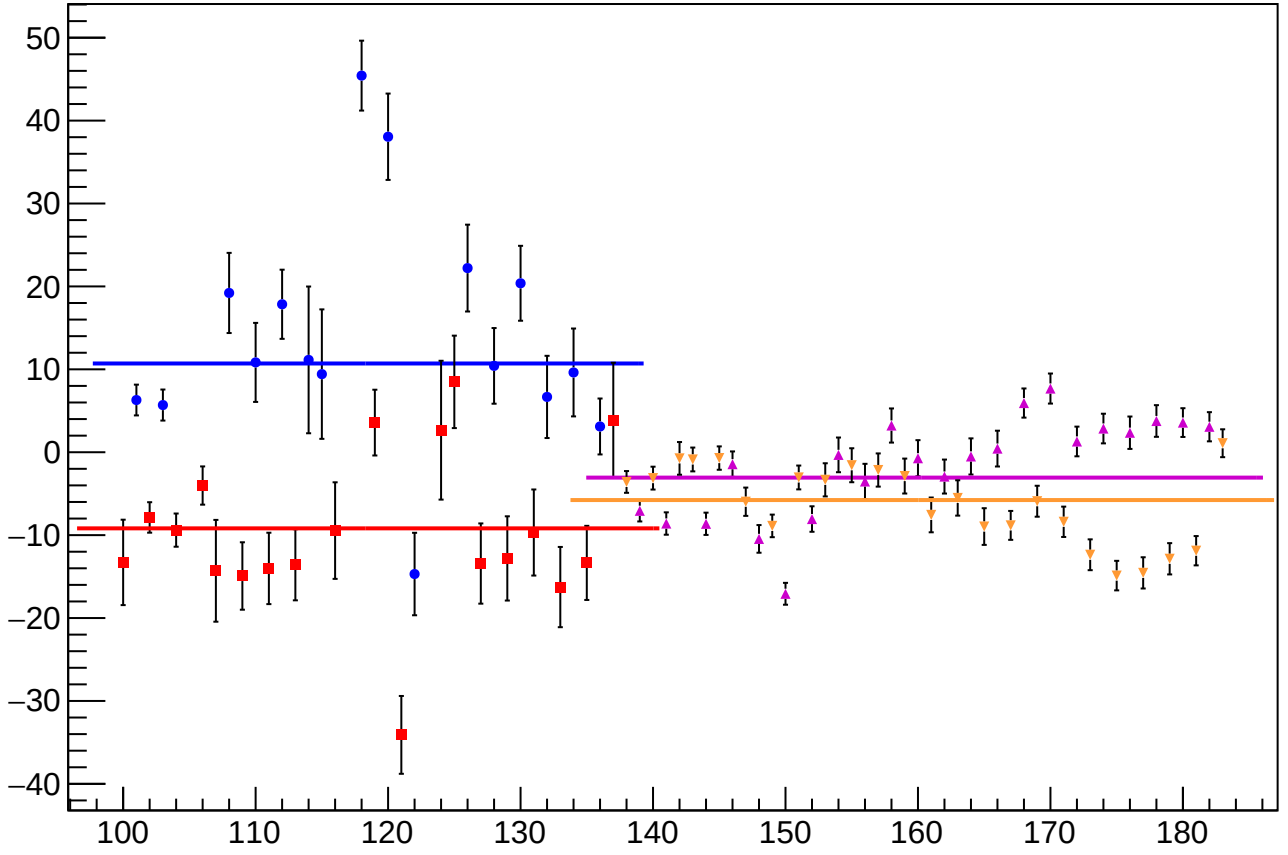
Left In: 72180.776+/-12.112 χ^2/NDF:481232.4/21

+ sign 70497.623+/-9.804 χ^2/NDF: 912820.7/39

All: 70209.383+/-6.959 χ^2/NDF: 1804709.0/8

- sign 69916.767+/-9.879 χ^2/NDF: 890146.6/40

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.769+/-0.352 χ^2/NDF:168.3/23

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

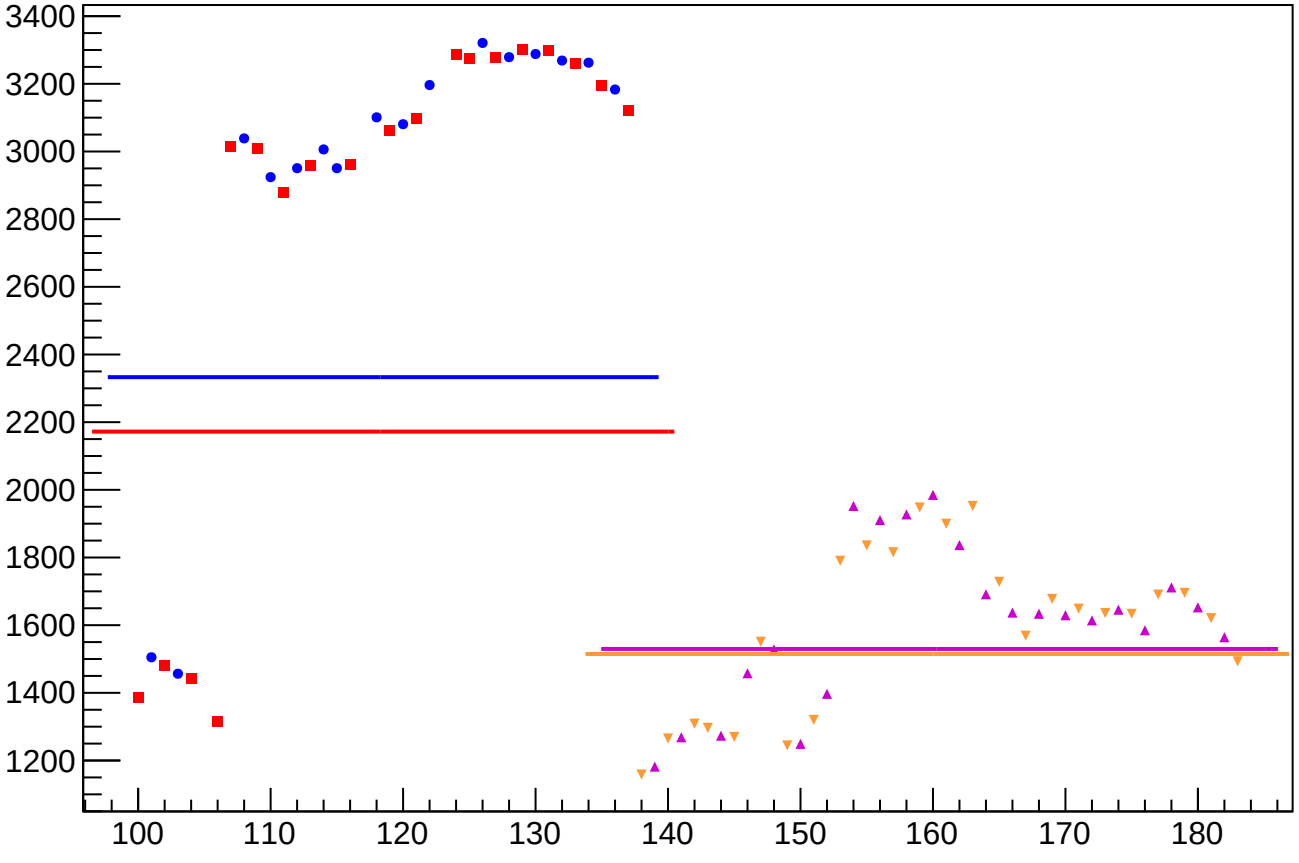
Left In: -3.061+/-0.365 χ^2/NDF:329.6/21

+ sign -3.672+/-0.328 χ^2/NDF: 603.3/39

All: -3.840+/-0.235 χ^2/NDF: 1046.8/80

- sign -4.016+/-0.336 χ^2/NDF: 442.9/40

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1514.901+/-0.249 χ^2/NDF:932973.0/23

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

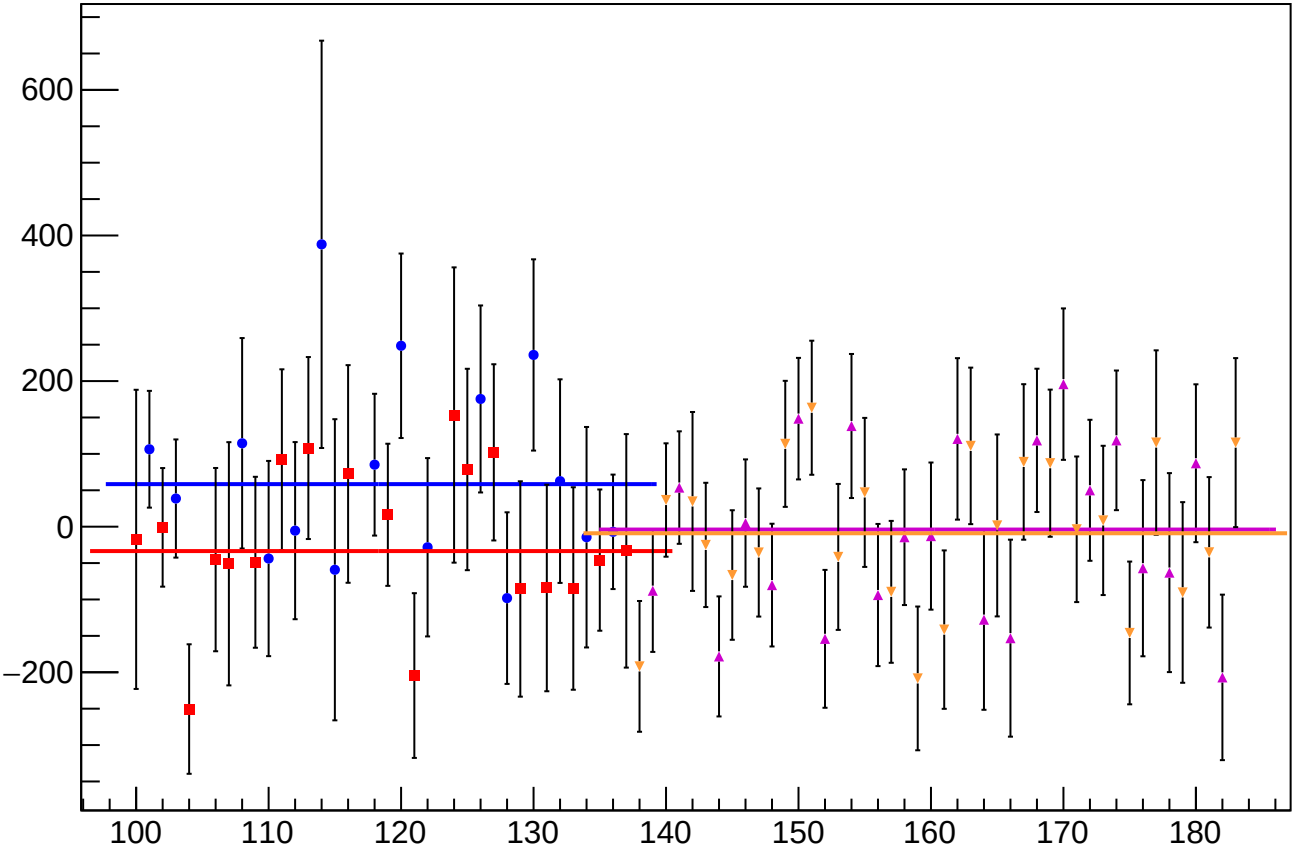
Left In: 1529.748+/-0.258 χ^2/NDF:828470.3/21

+ sign 1619.052+/-0.232 χ^2/NDF: 3962959.0/39

All: 1624.351+/-0.166 χ^2/NDF: 7740325.5/80

- sign 1629.885+/-0.237 χ^2/NDF: 3776302.3/40

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -9.052+/-20.342 χ^2/NDF:24.9/23

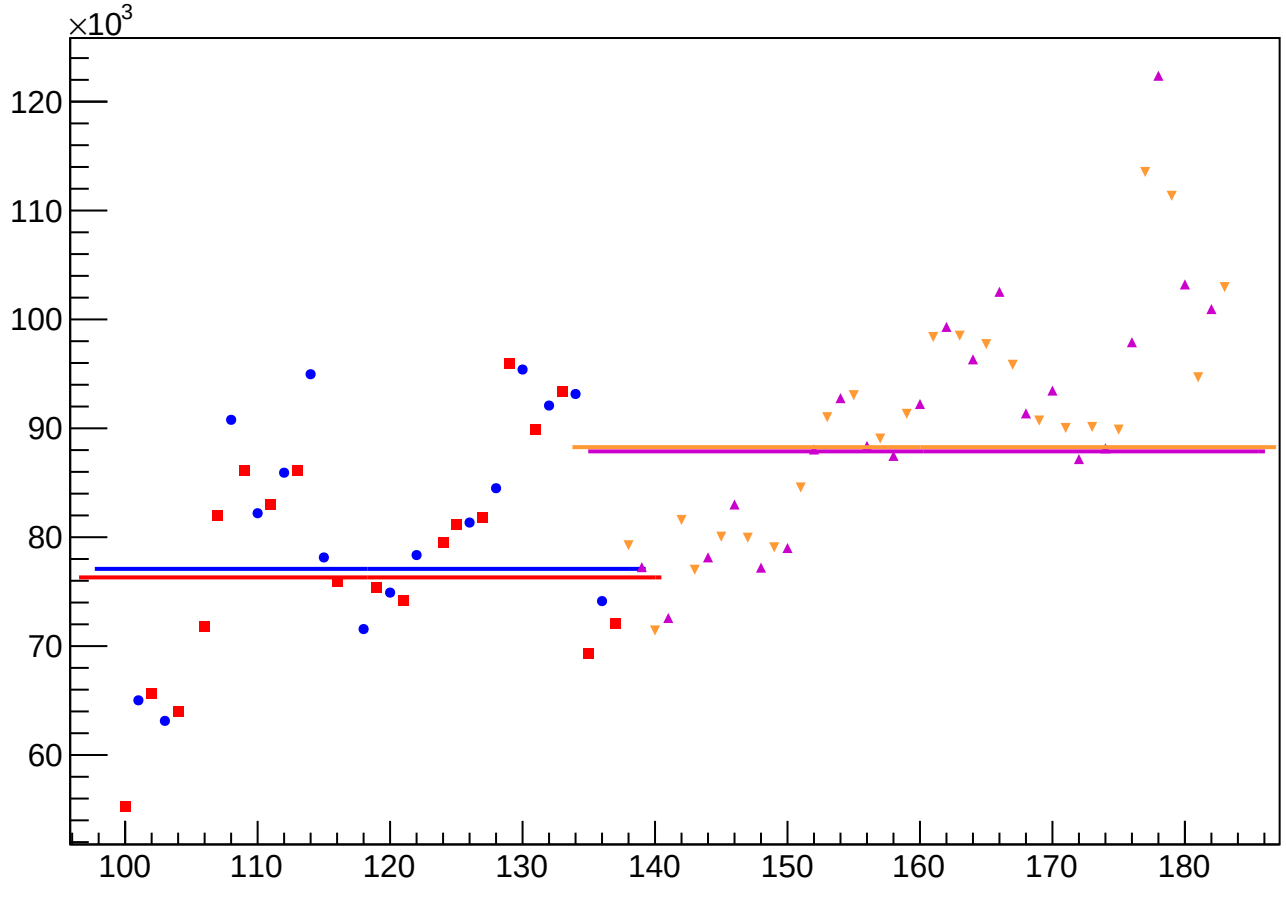
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -3.948+/-20.857 χ^2/NDF:30.6/21

+ sign 13.291+/-16.638 χ^2/NDF: 39.9/39

All: -0.487+/-11.804 χ^2/NDF: 87.2/80

- sign -14.450+/-16.749 χ^2/NDF: 45.9/40



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 88270.277+/-14.384 χ^2/NDF:471390.8/23

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

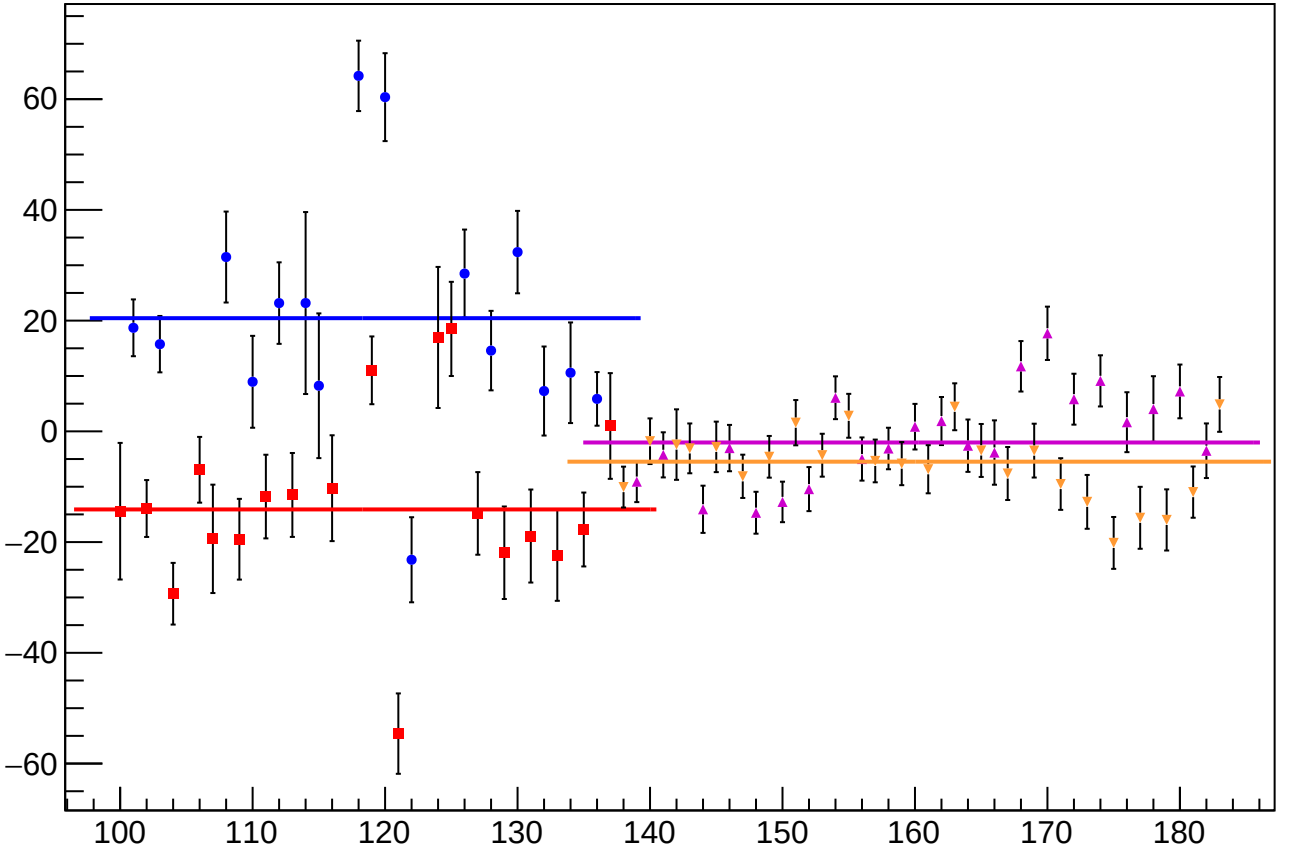
Left In: 87882.376+/-14.748 χ^2/NDF:477804.1/21

+ sign 84570.356+/-11.765 χ^2/NDF: 919817.3/39

All: 84173.975+/-8.346 χ^2/NDF: 1853047.1/8

- sign 83772.284+/-11.843 χ^2/NDF: 930944.2/40

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.476+/-0.899 χ^2/NDF:42.8/23

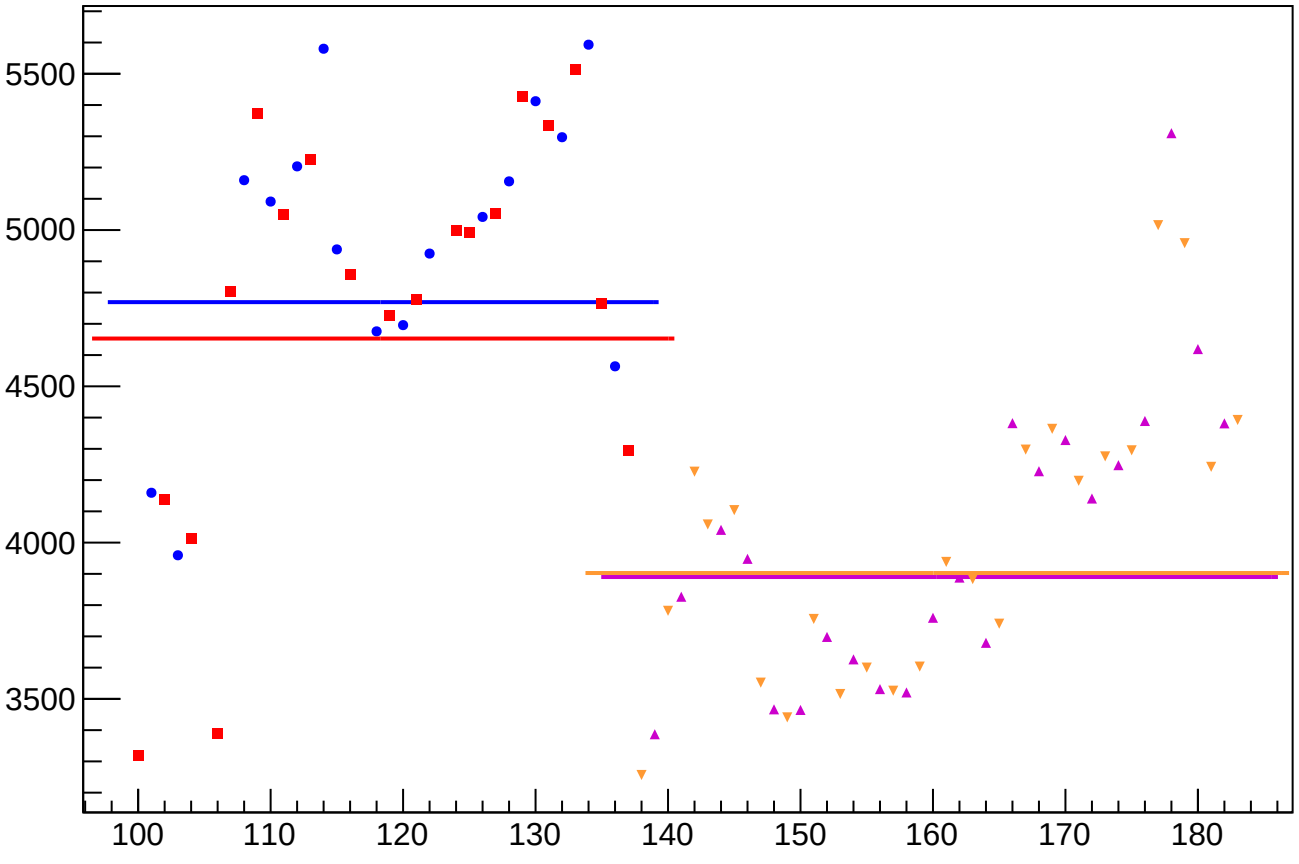
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -2.013+/-0.923 χ^2/NDF:82.6/21

+ sign -0.220+/-0.802 χ^2/NDF: 339.2/39

All: -2.447+/-0.571 χ^2/NDF: 559.7/80

- sign -4.729+/-0.812 χ^2/NDF: 204.9/40



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3902.716+/-0.636 χ^2/NDF:436127.3/23

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

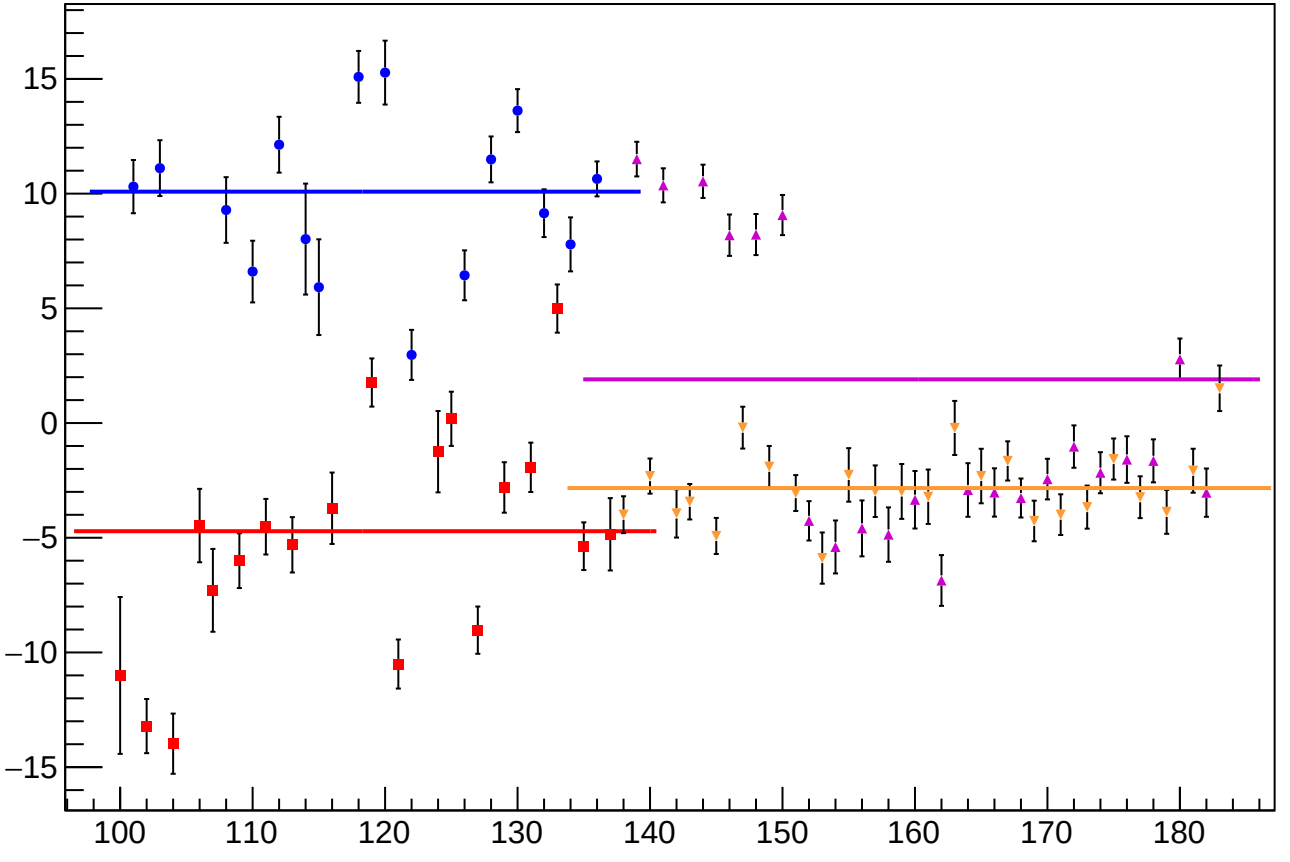
Left In: 3889.914+/-0.652 χ^2/NDF:405278.9/21

+ sign 4078.485+/-0.567 χ^2/NDF: 964935.7/39

All: 4070.041+/-0.404 χ^2/NDF: 1943199.5/80

- sign 4061.390+/-0.574 χ^2/NDF: 977815.6/40

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.835+/-0.191 χ^2/NDF:64.0/23

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

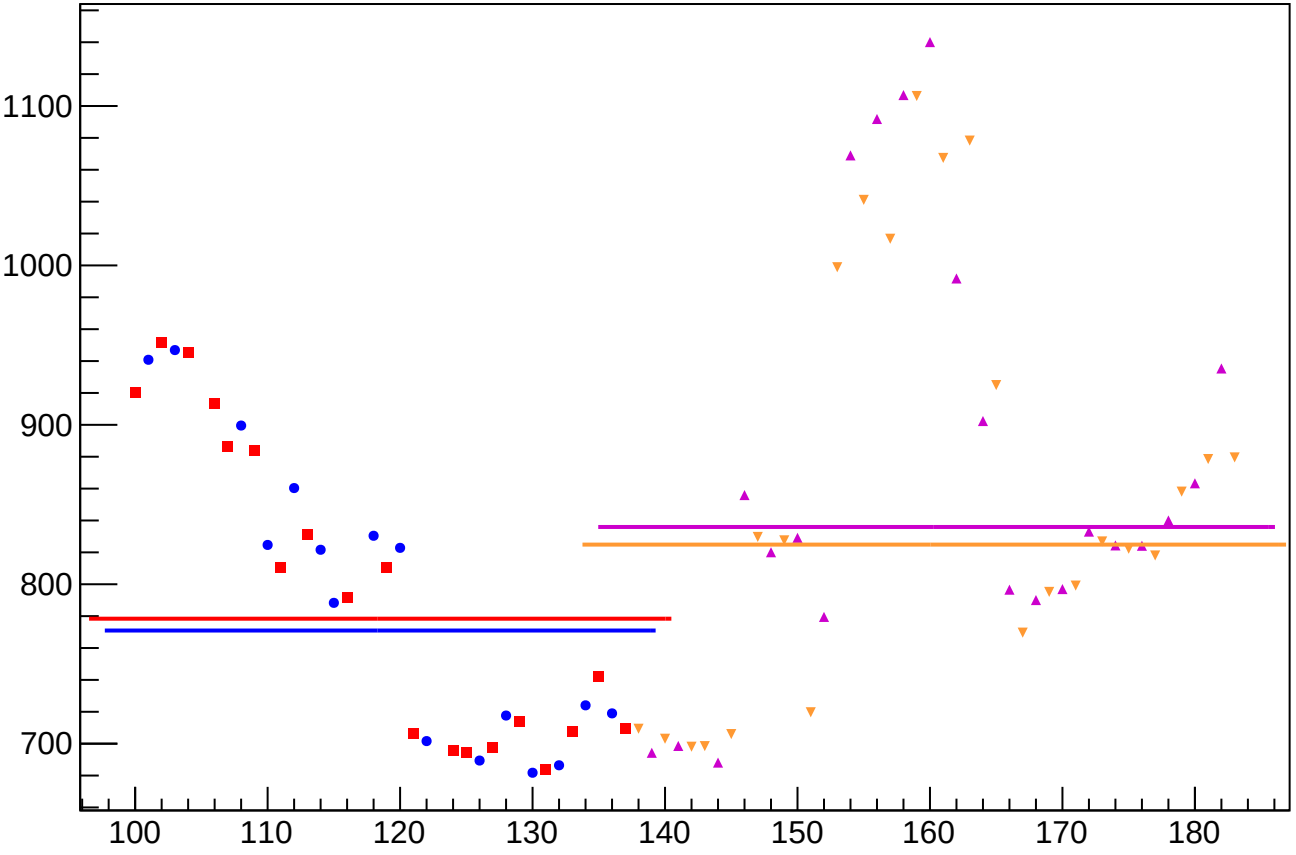
Left In: 1.904+/-0.199 χ^2/NDF:1011.7/21

+ sign 1.109+/-0.159 χ^2/NDF: 1582.8/39

All: 0.441+/-0.114 χ^2/NDF: 3301.7/80

- sign -0.263+/-0.164 χ^2/NDF: 1682.7/40

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 824.873+/-0.135 χ^2/NDF:760035.9/23

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

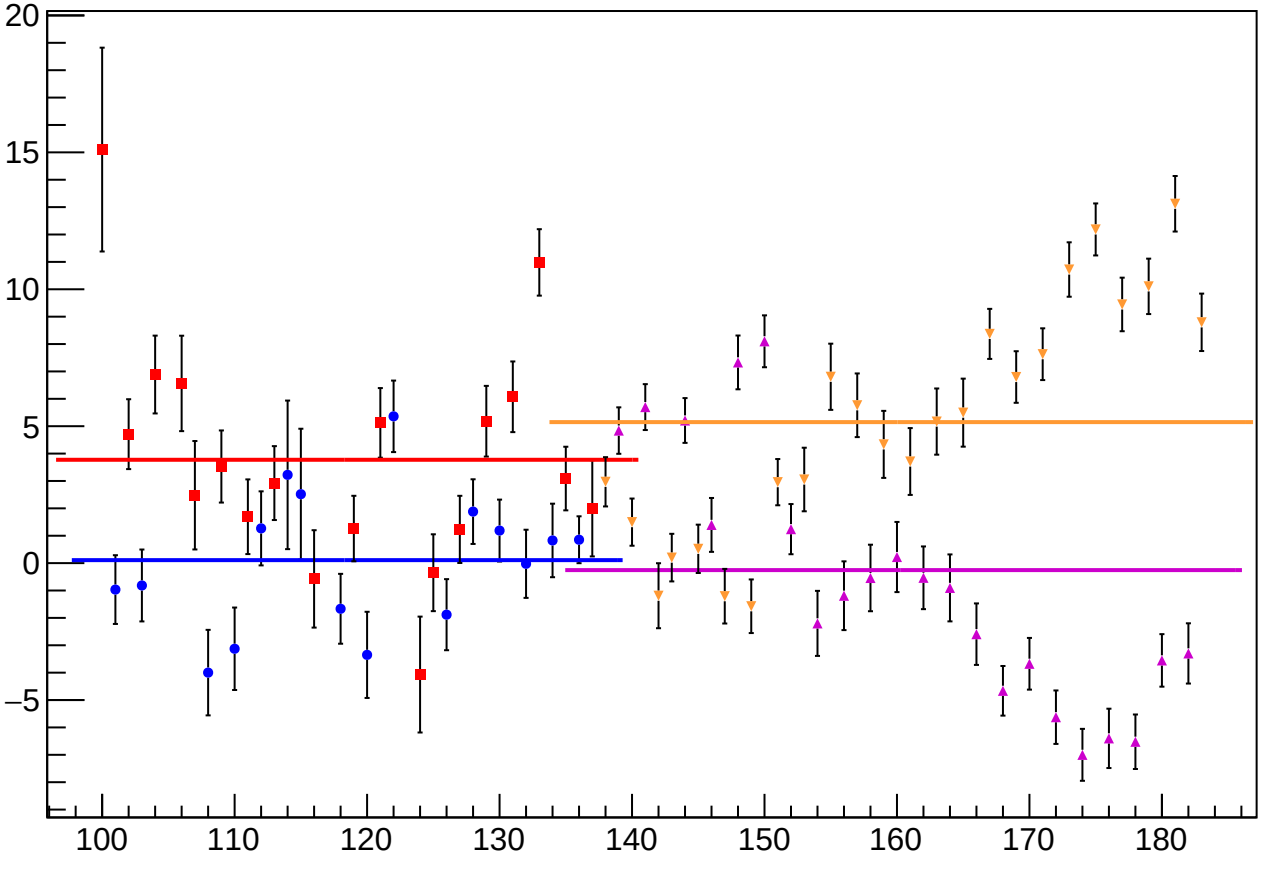
Left In: 835.930+/-0.141 χ^2/NDF:703302.2/21

+ sign 808.421+/-0.113 χ^2/NDF: 1001490.8/39

All: 812.641+/-0.081 χ^2/NDF: 1958744.2/80

- sign 817.087+/-0.116 χ^2/NDF: 954371.5/40

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 5.149+/-0.206 χ^2/NDF:440.1/23

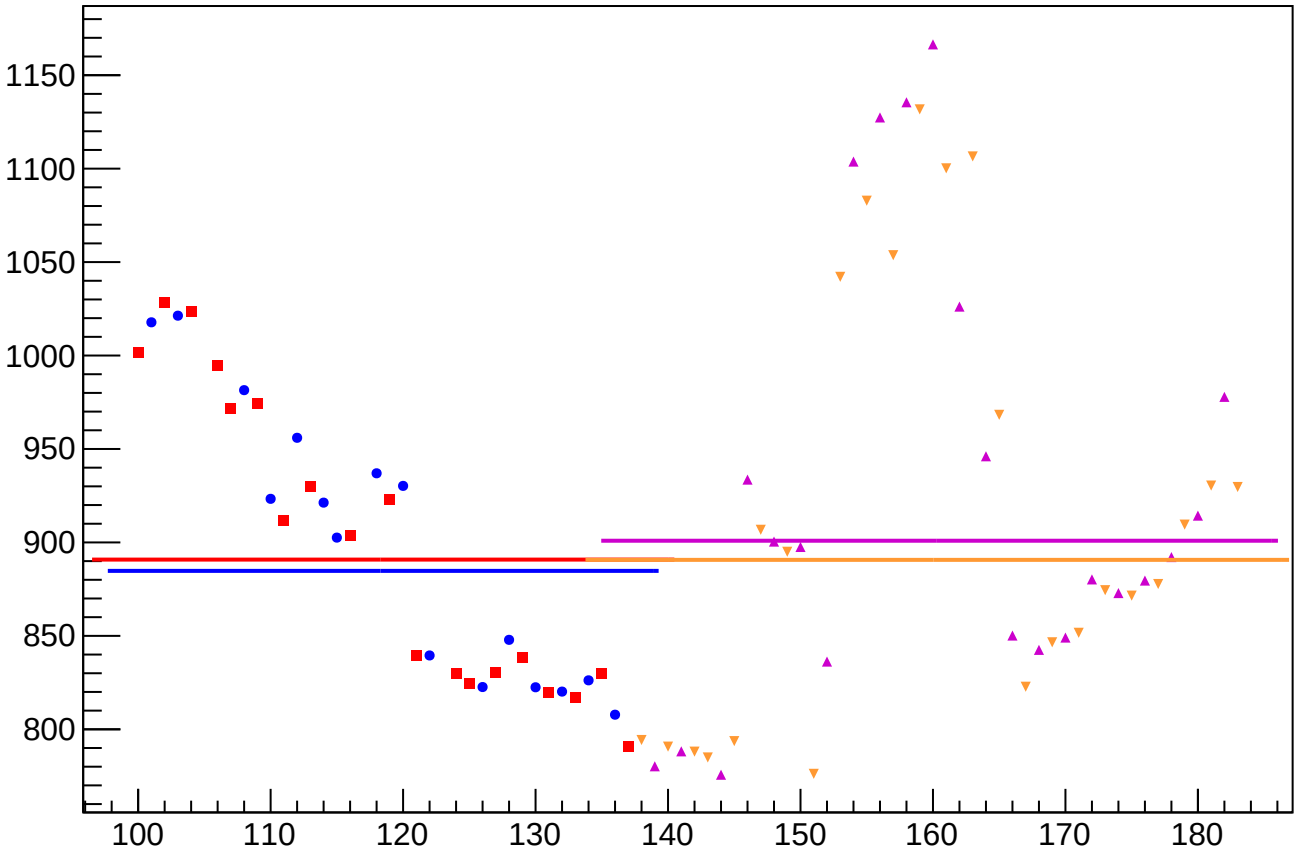
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -0.255+/-0.214 χ^2/NDF:491.2/21

+ sign 3.740+/-0.174 χ^2/NDF: 653.6/39

All: 2.384+/-0.125 χ^2/NDF: 1474.9/80

- sign 0.959+/-0.179 χ^2/NDF: 697.5/40



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 890.669+/-0.145 χ^2/NDF:515056.6/23

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

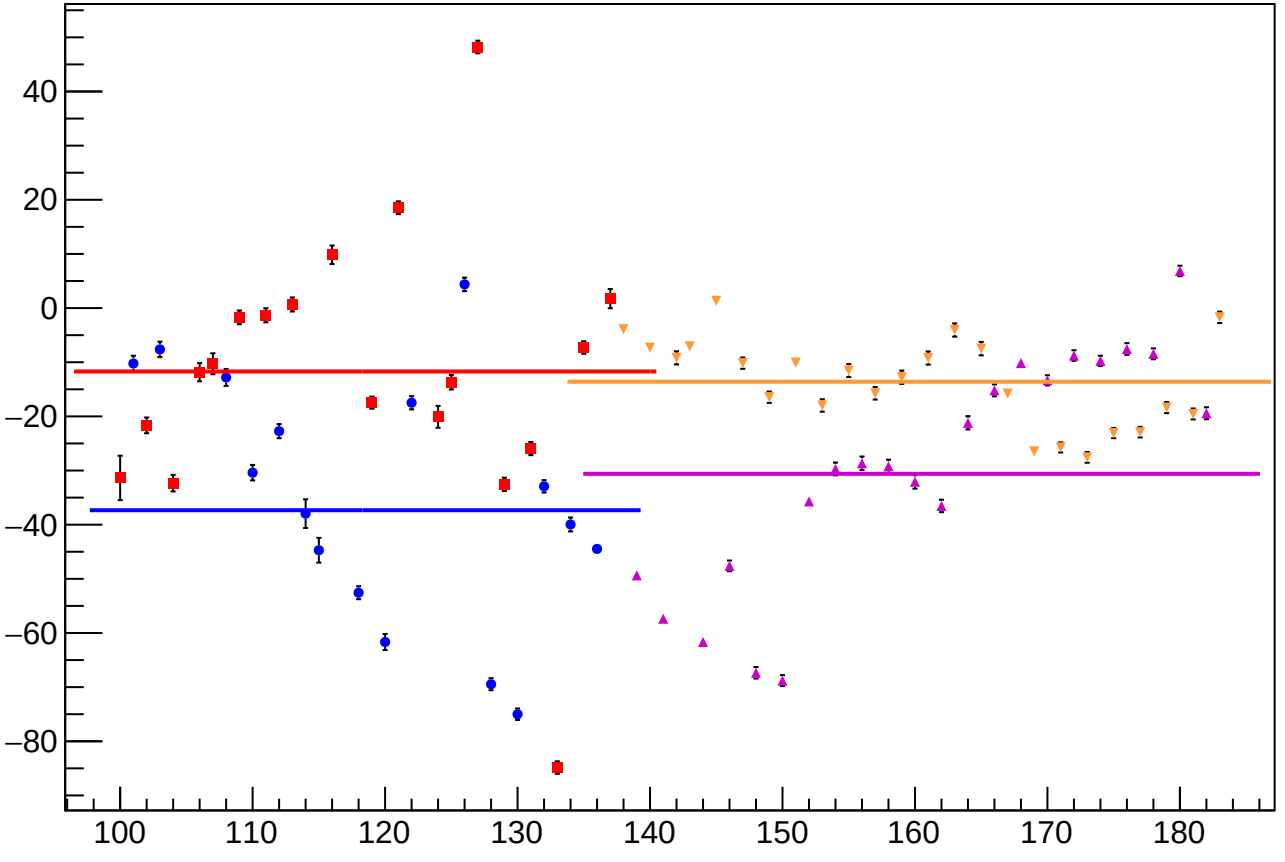
Left In: 900.905+/-0.151 χ^2/NDF:478617.0/21

+ sign 889.020+/-0.123 χ^2/NDF: 620010.8/39

All: 893.331+/-0.088 χ^2/NDF: 1210235.0/80

- sign 897.866+/-0.127 χ^2/NDF: 587718.8/40

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.600+/-0.207 χ^2/NDF:1599.7/23

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

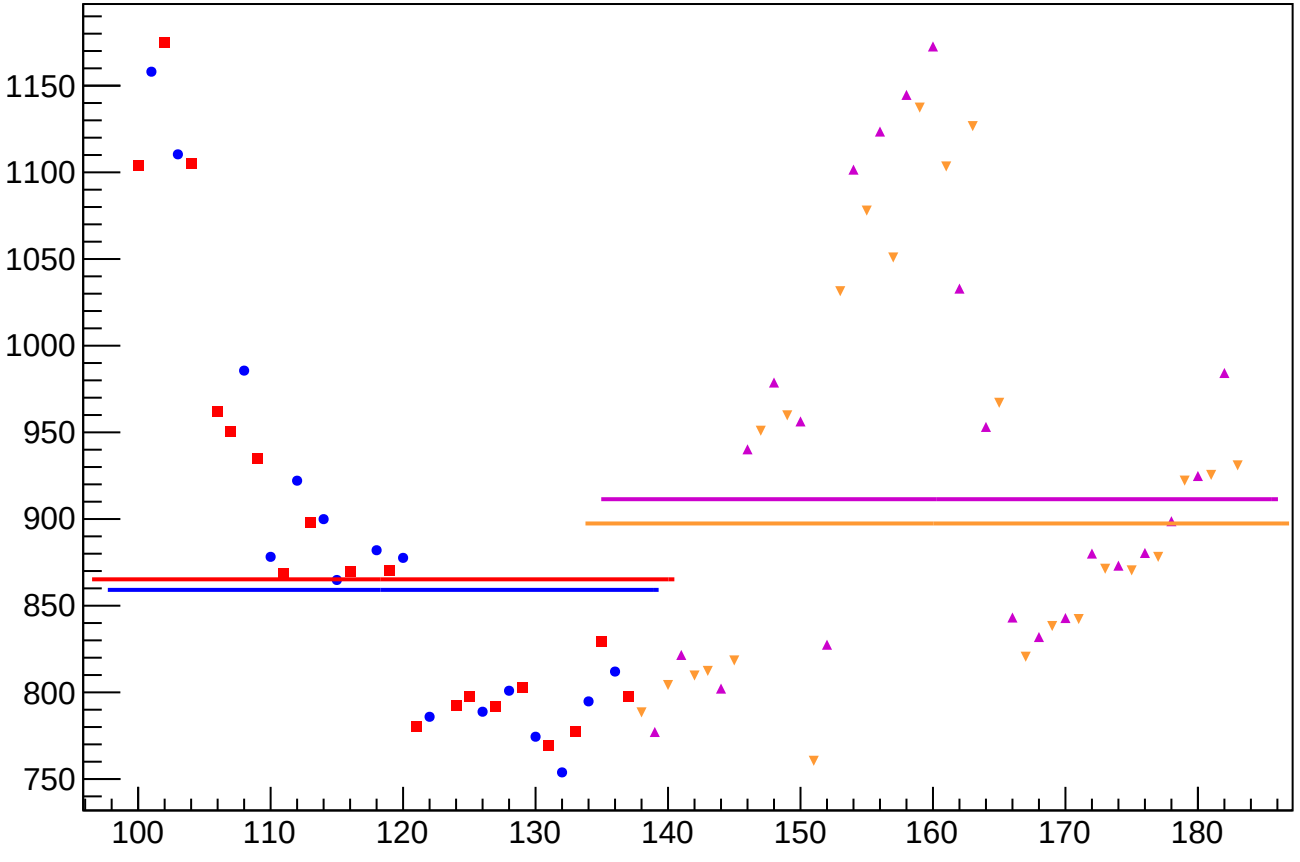
Left In: -30.607+/-0.217 χ^2/NDF:10384.5/21

\+ sign -20.555+/-0.174 χ^2/NDF: 10630.0/39

All: -22.529+/-0.125 χ^2/NDF: 32156.0/80

\- sign -24.614+/-0.179 χ^2/NDF: 21261.9/40

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 897.433+/-0.146 χ^2/NDF:515876.8/23

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

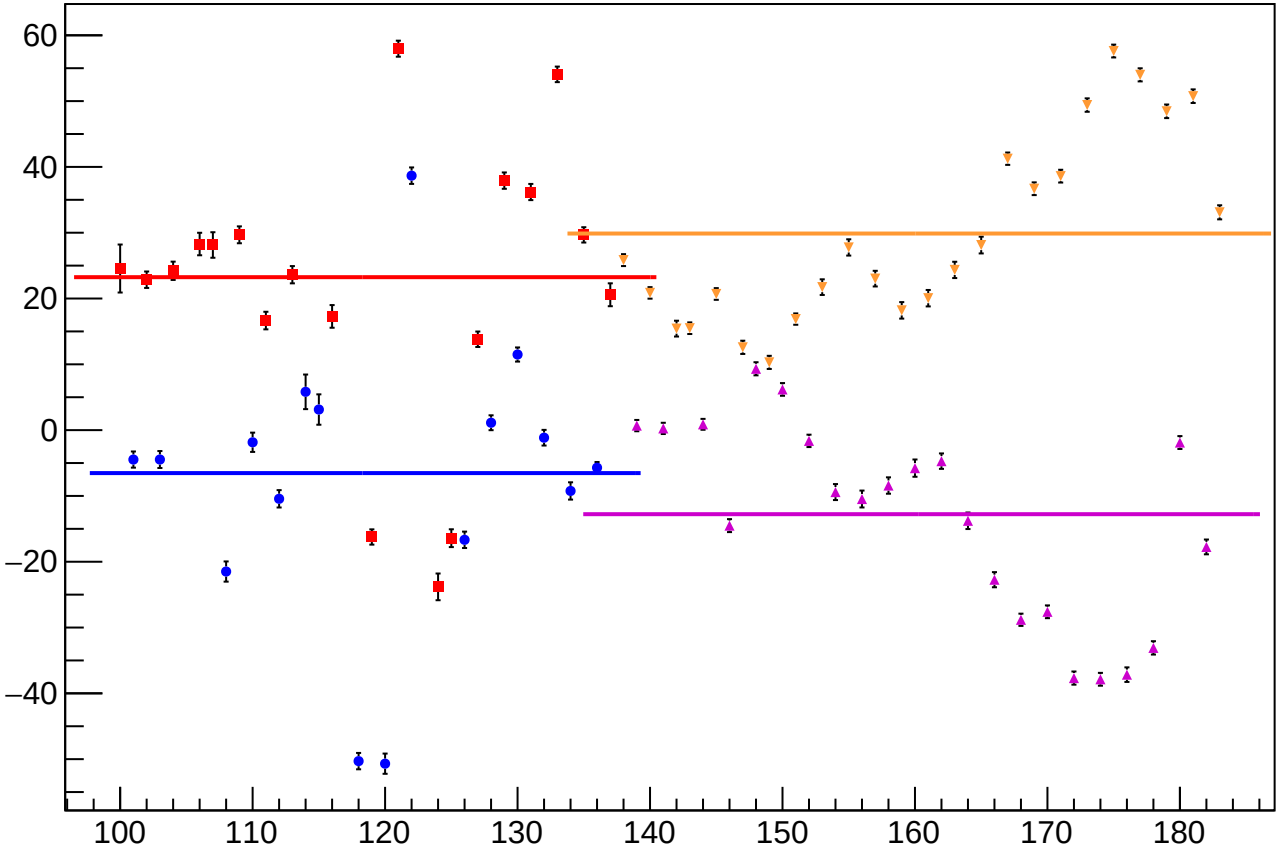
Left In: 911.437+/-0.153 χ^2/NDF:473945.7/21

+ sign 886.204+/-0.123 χ^2/NDF: 764628.4/39

All: 891.348+/-0.088 χ^2/NDF: 1494703.3/80

- sign 896.780+/-0.127 χ^2/NDF: 726489.3/40

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 29.876+/-0.210 χ^2/NDF:4576.4/23

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

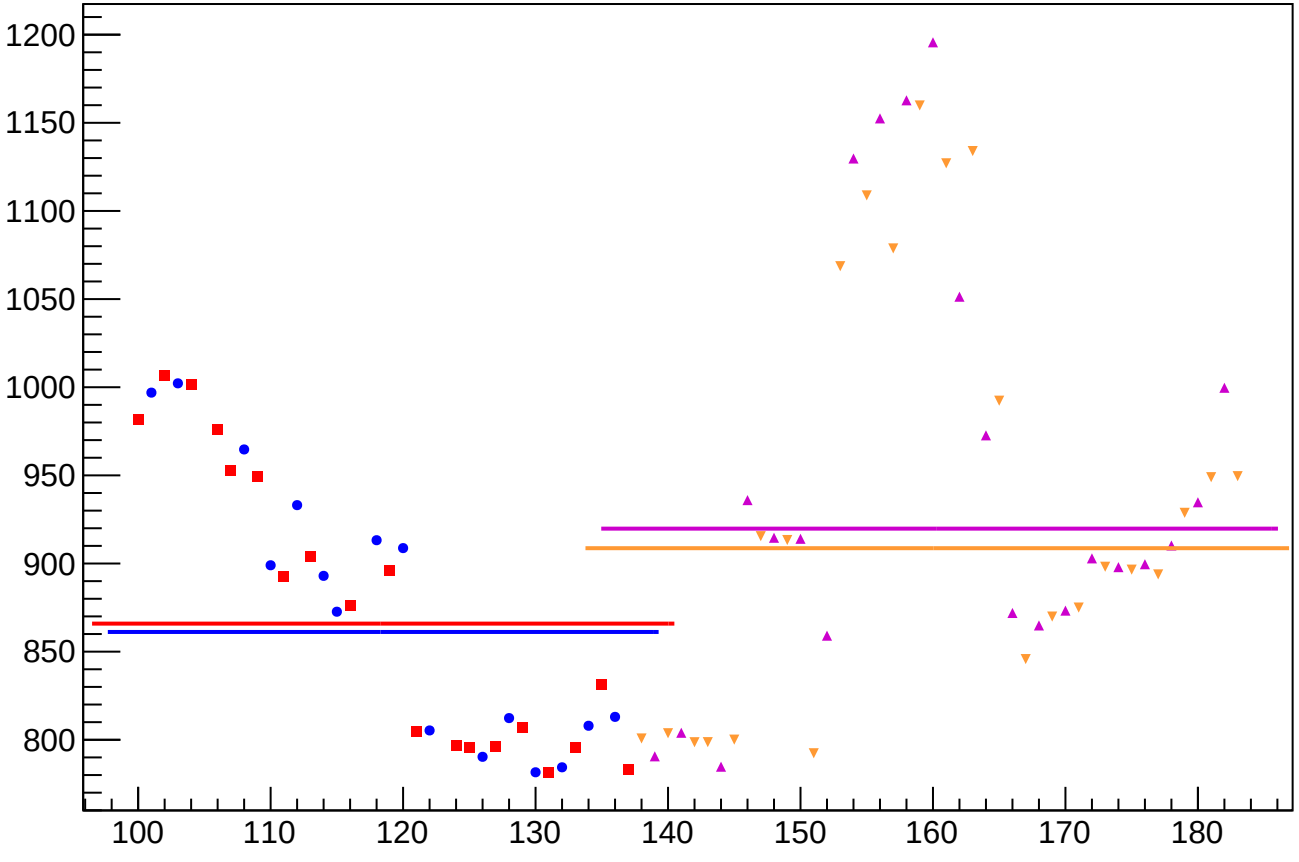
Left In: -12.774+/-0.219 χ^2/NDF:4784.4/21

+ sign 18.990+/-0.176 χ^2/NDF: 17527.5/39

All: 9.156+/-0.126 χ^2/NDF: 41956.5/80

- sign -1.168+/-0.180 χ^2/NDF: 18002.9/40

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 908.689+/-0.148 χ^2/NDF:538813.0/23

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

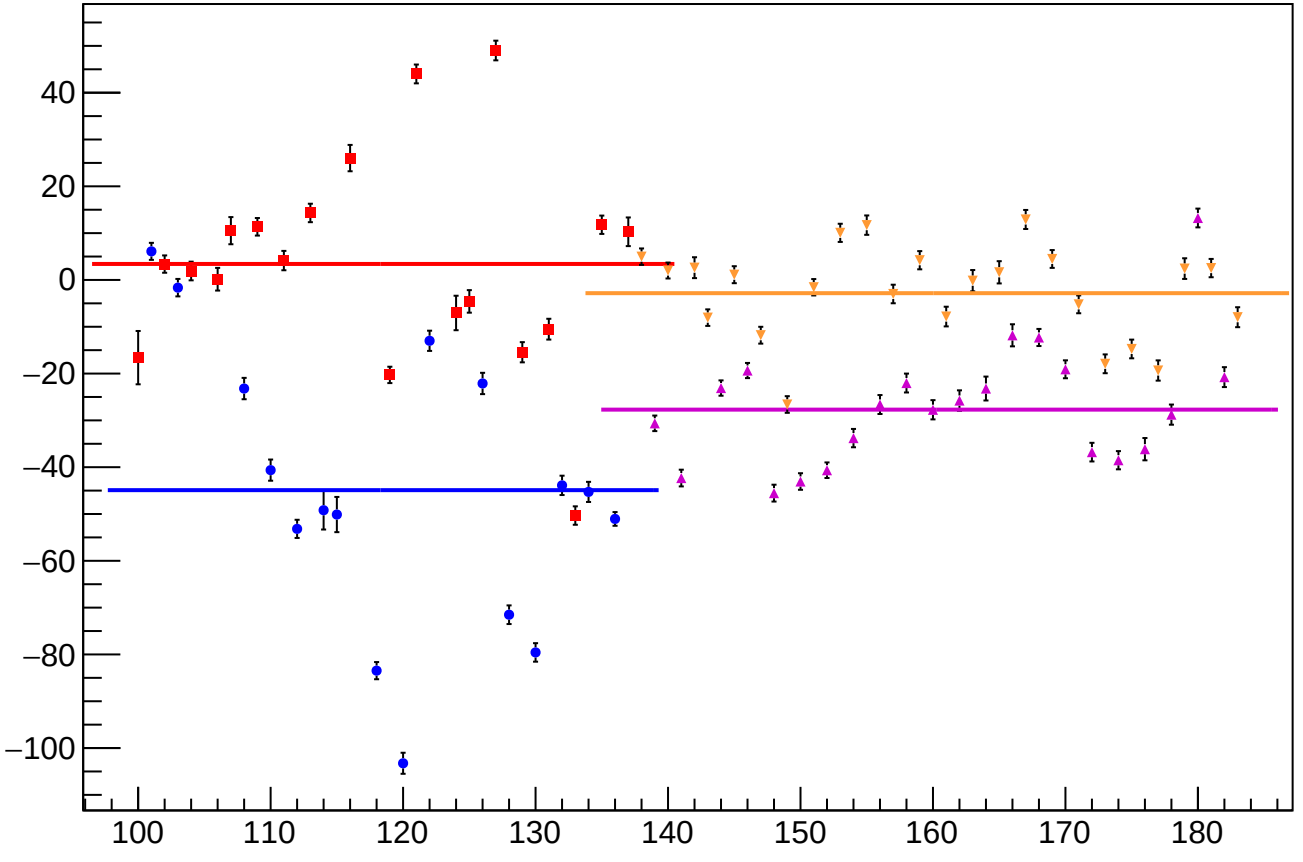
Left In: 919.784+/-0.155 χ^2/NDF:491052.4/21

+ sign 894.479+/-0.124 χ^2/NDF: 683029.5/39

All: 898.355+/-0.089 χ^2/NDF: 1333648.4/80

- sign 902.424+/-0.127 χ^2/NDF: 648622.5/40

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.826+/-0.400 χ^2/NDF:614.4/23

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

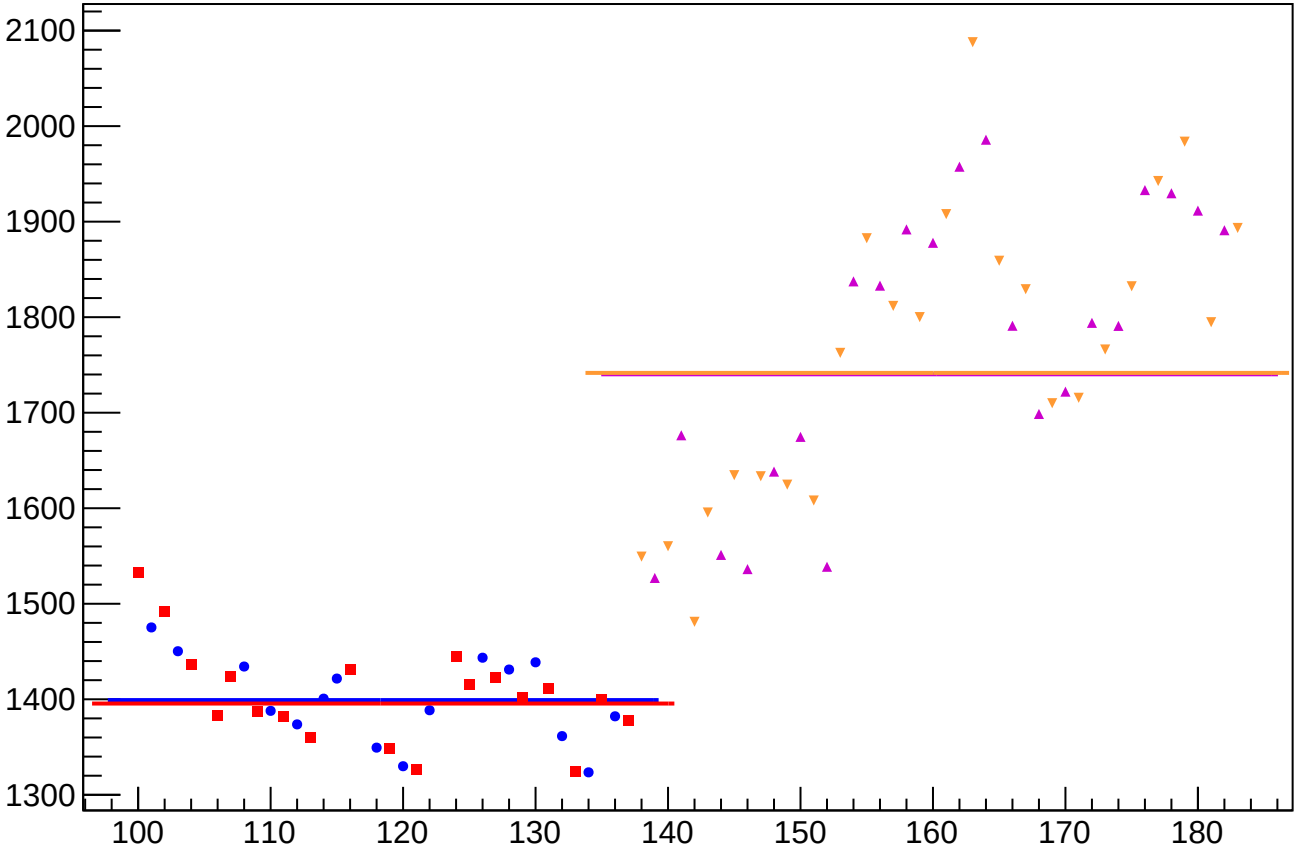
Left In: -27.704+/-0.412 χ^2/NDF:989.2/21

+ sign -18.465+/-0.317 χ^2/NDF: 8108.1/39

All: -16.949+/-0.225 χ^2/NDF: 13504.7/80

- sign -15.403+/-0.320 χ^2/NDF: 5350.4/40

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1741.675+/-0.283 χ^2/NDF:261714.7/23

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

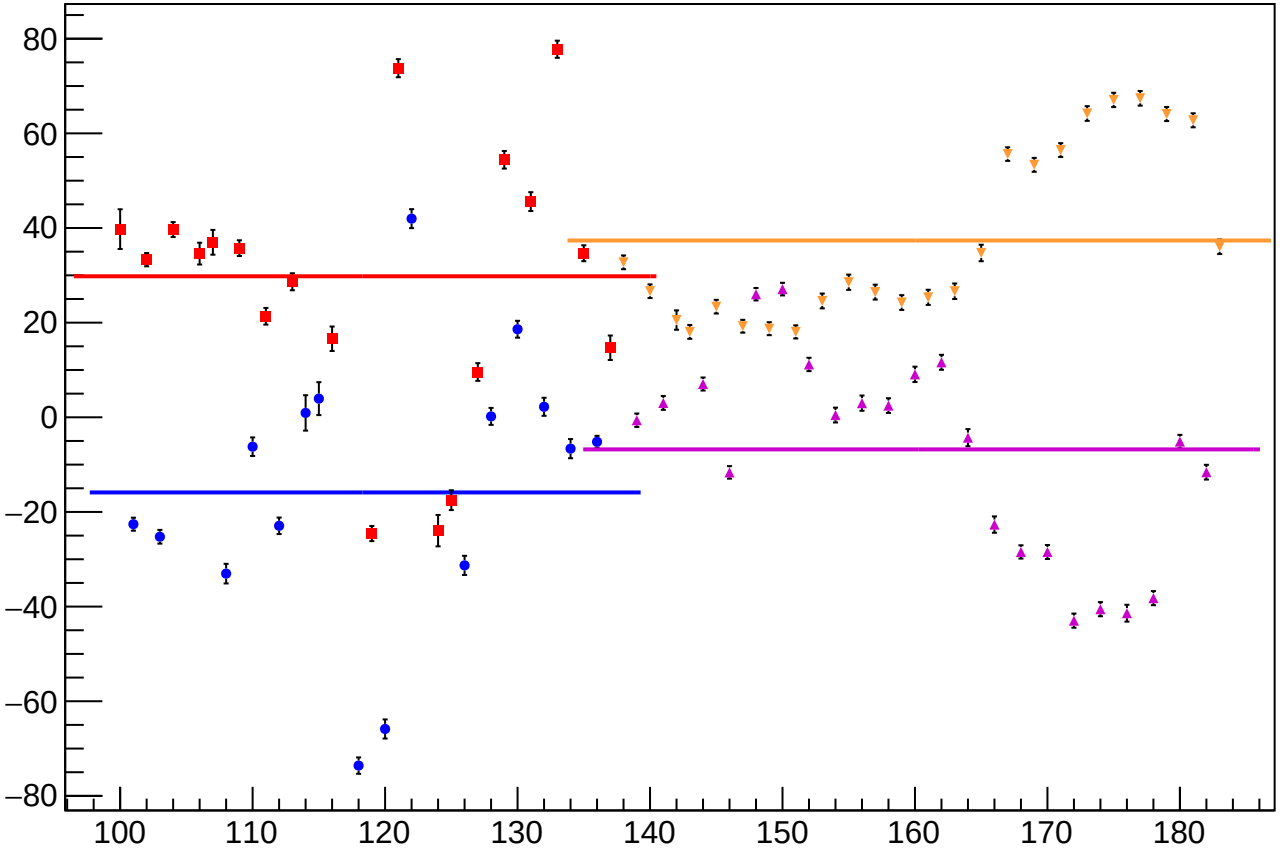
Left In: 1740.199+/-0.291 χ^2/NDF:258405.4/21

+ sign 1614.382+/-0.224 χ^2/NDF: 821967.6/39

All: 1609.227+/-0.159 χ^2/NDF: 1651869.6/80

- sign 1603.969+/-0.226 χ^2/NDF: 828833.3/40

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 37.361+/-0.310 χ^2/NDF:3395.7/23

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

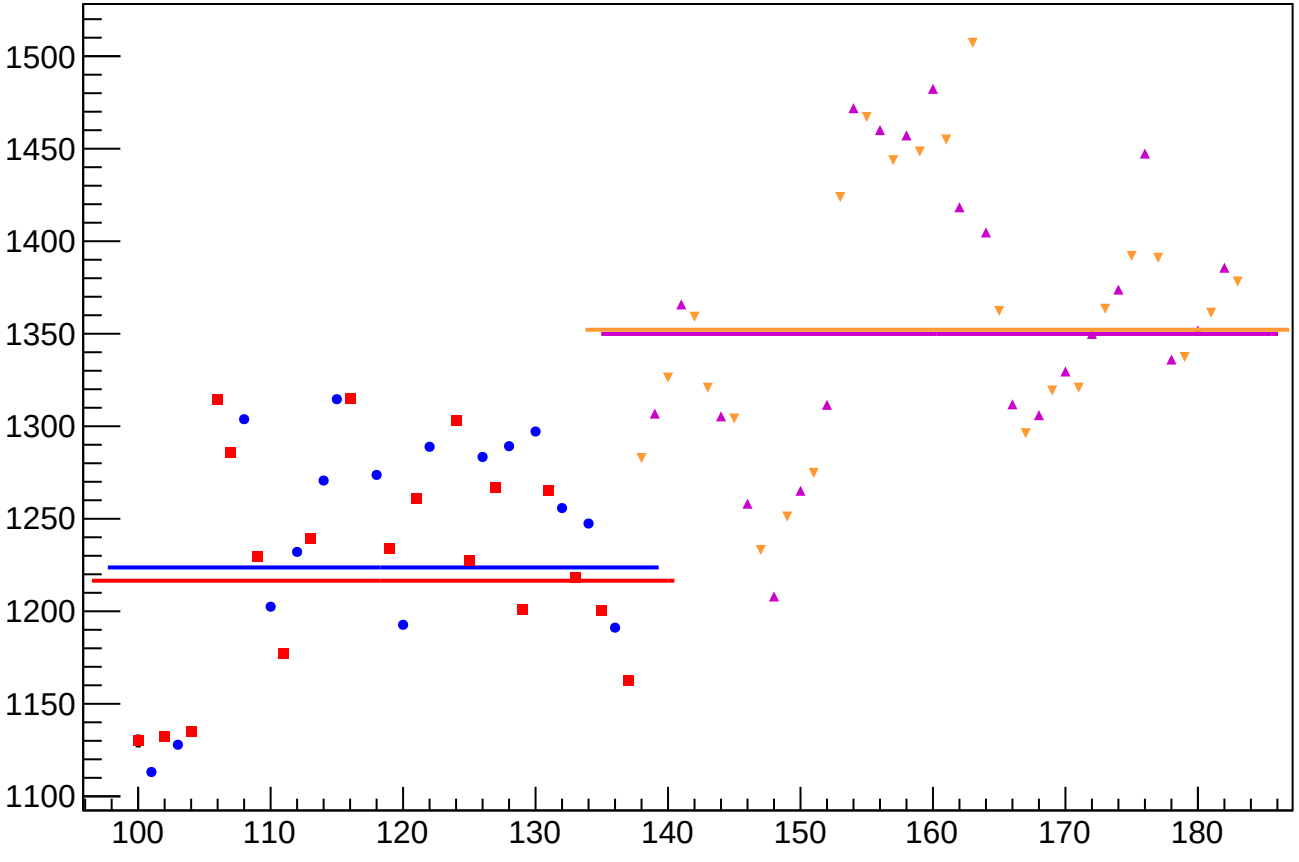
Left In: -6.783+/-0.318 χ^2/NDF:4395.1/21

\+ sign 20.510+/-0.256 χ^2/NDF: 16221.2/39

All: 13.149+/-0.182 χ^2/NDF: 30445.2/80

\- sign 5.631+/-0.259 χ^2/NDF: 12554.4/40

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1352.165+/-0.219 χ^2/NDF:104127.9/23

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

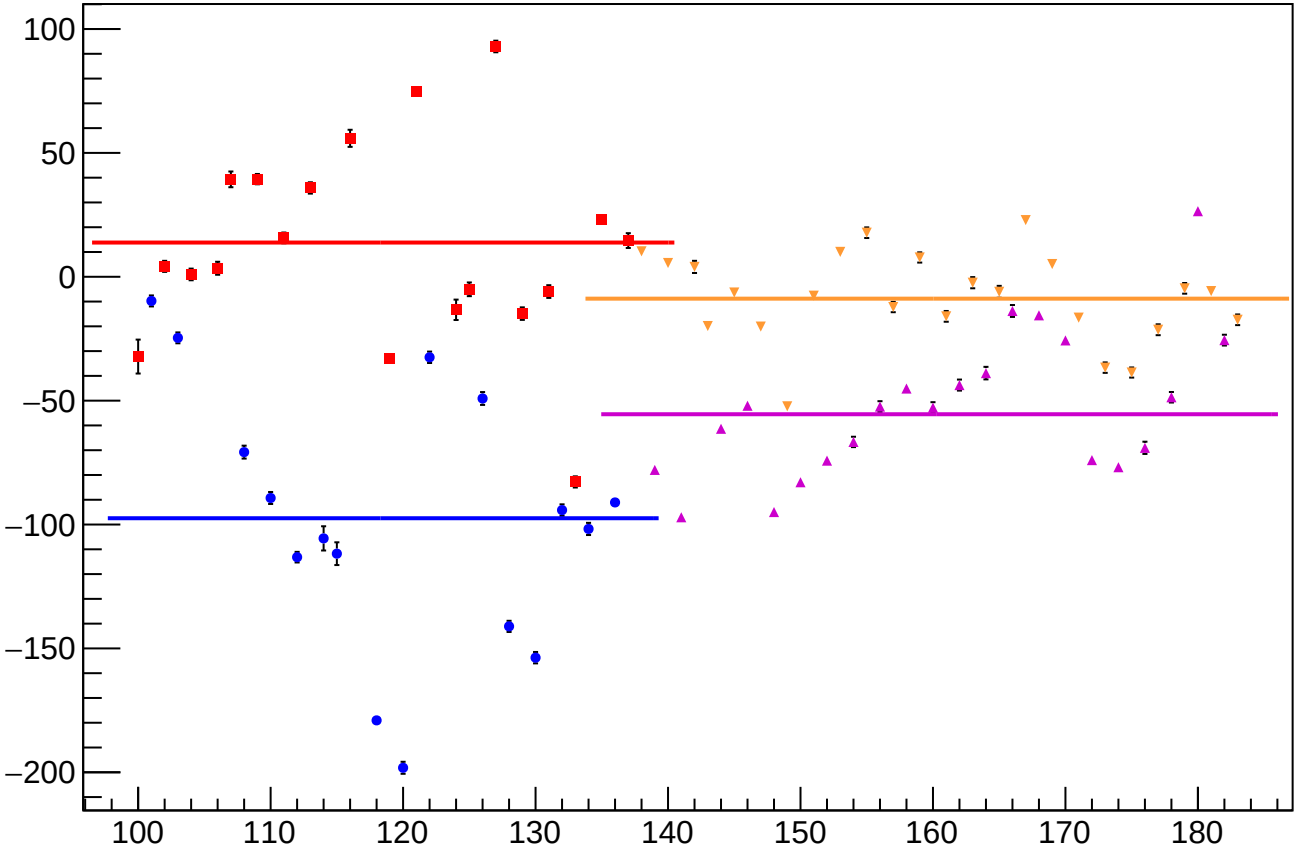
Left In: 1349.875+/-0.225 χ^2/NDF:107409.1/21

+ sign 1311.503+/-0.181 χ^2/NDF: 253861.5/39

All: 1308.103+/-0.129 χ^2/NDF: 510347.3/80

- sign 1304.629+/-0.183 χ^2/NDF: 255773.1/40

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.828+/-0.410 χ^2/NDF:1952.7/23

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

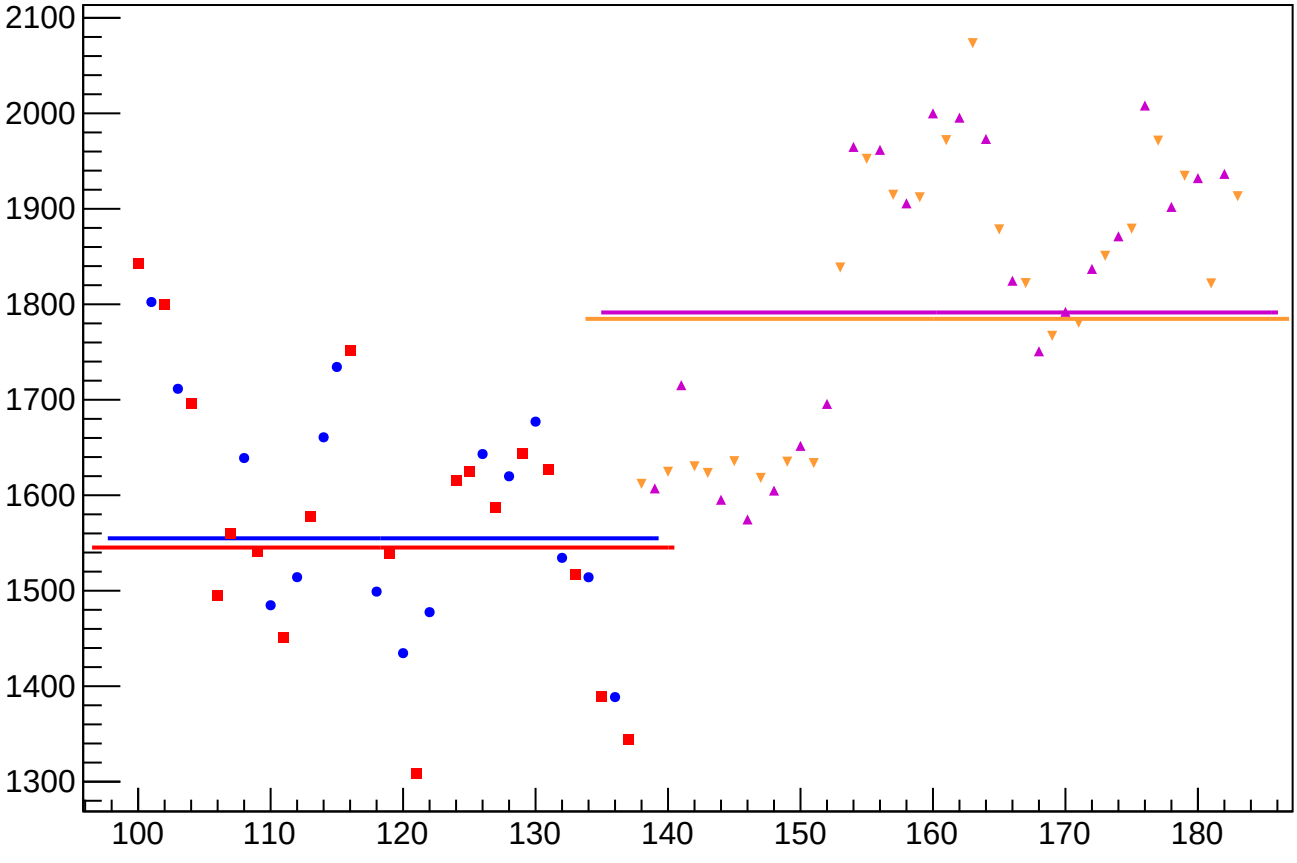
Left In: -55.480+/-0.424 χ^2/NDF:4718.3/21

+ sign -38.369+/-0.335 χ^2/NDF: 25850.8/39

All: -34.531+/-0.238 χ^2/NDF: 45804.6/80

- sign -30.588+/-0.339 χ^2/NDF: 19686.9/40

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1784.740+/-0.290 χ^2/NDF:236071.9/23

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

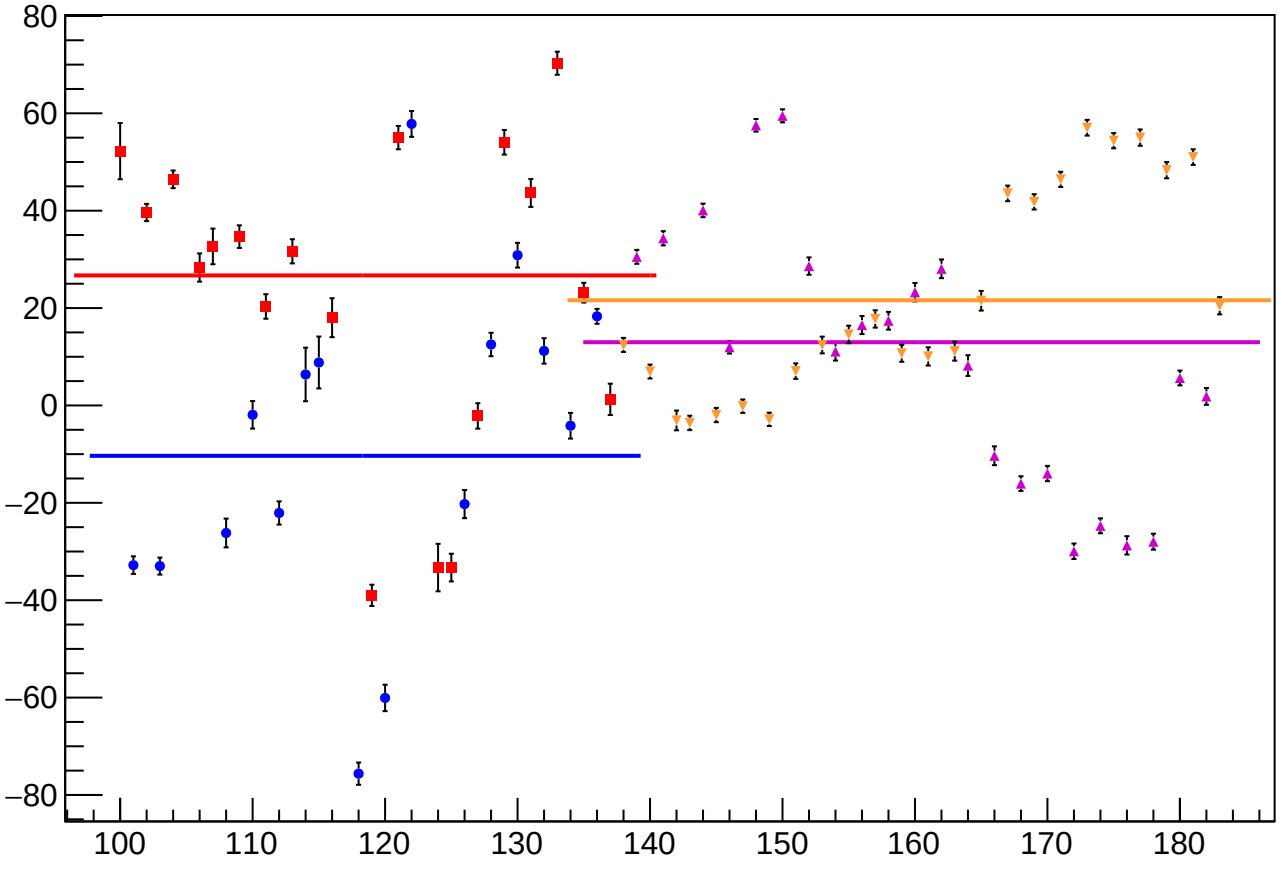
Left In: 1791.452+/-0.299 χ^2/NDF:250274.2/21

+ sign 1708.135+/-0.237 χ^2/NDF: 533781.6/39

All: 1705.607+/-0.168 χ^2/NDF: 1135874.2/80

- sign 1703.011+/-0.240 χ^2/NDF: 601861.2/40

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 21.601+/-0.332 χ^2/NDF:4159.8/23

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

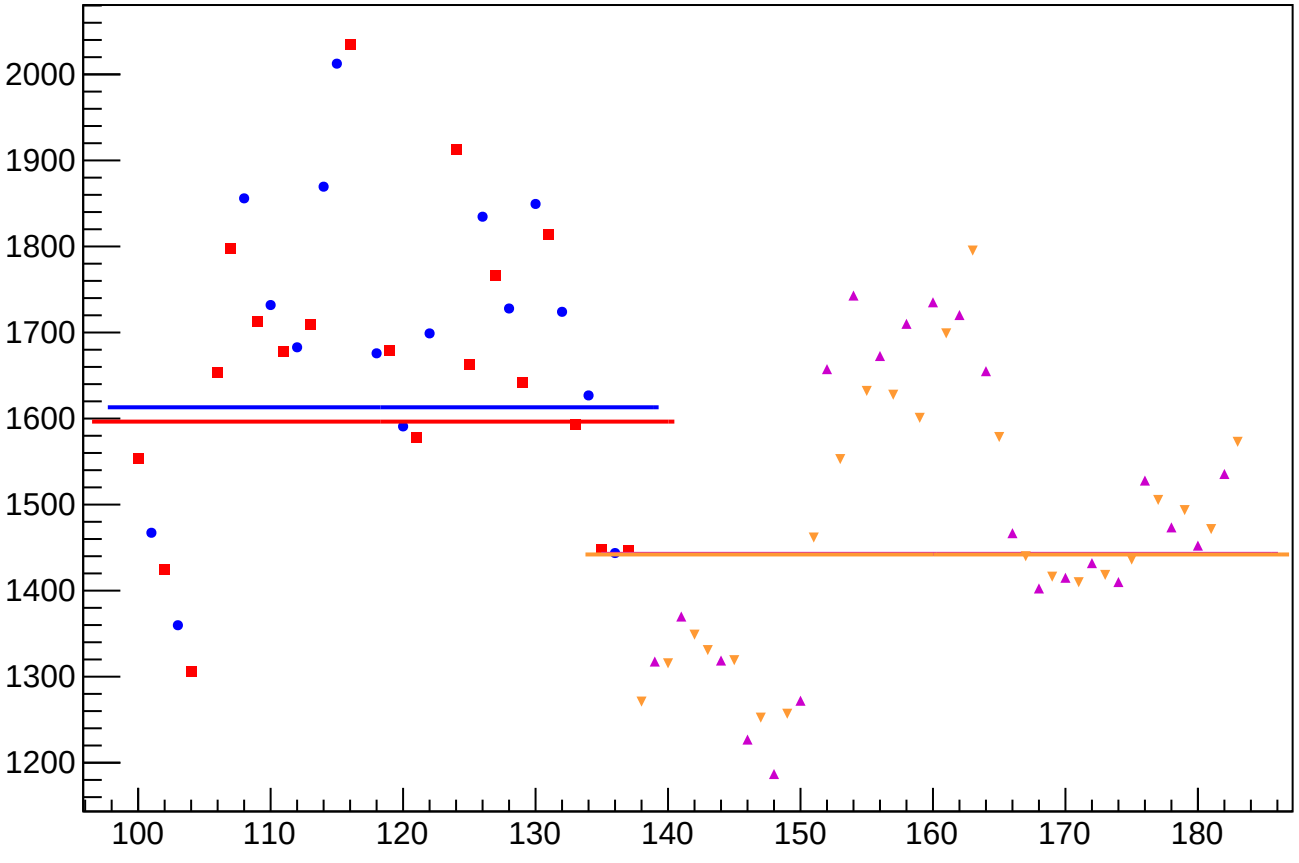
Left In: 12.987+/-0.342 χ^2/NDF:6626.8/21

+ sign 14.181+/-0.291 χ^2/NDF: 9320.6/39

All: 15.309+/-0.207 χ^2/NDF: 18927.2/80

- sign 16.475+/-0.296 χ^2/NDF: 9576.0/40

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1442.037+/-0.235 χ^2/NDF:347089.2/23

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

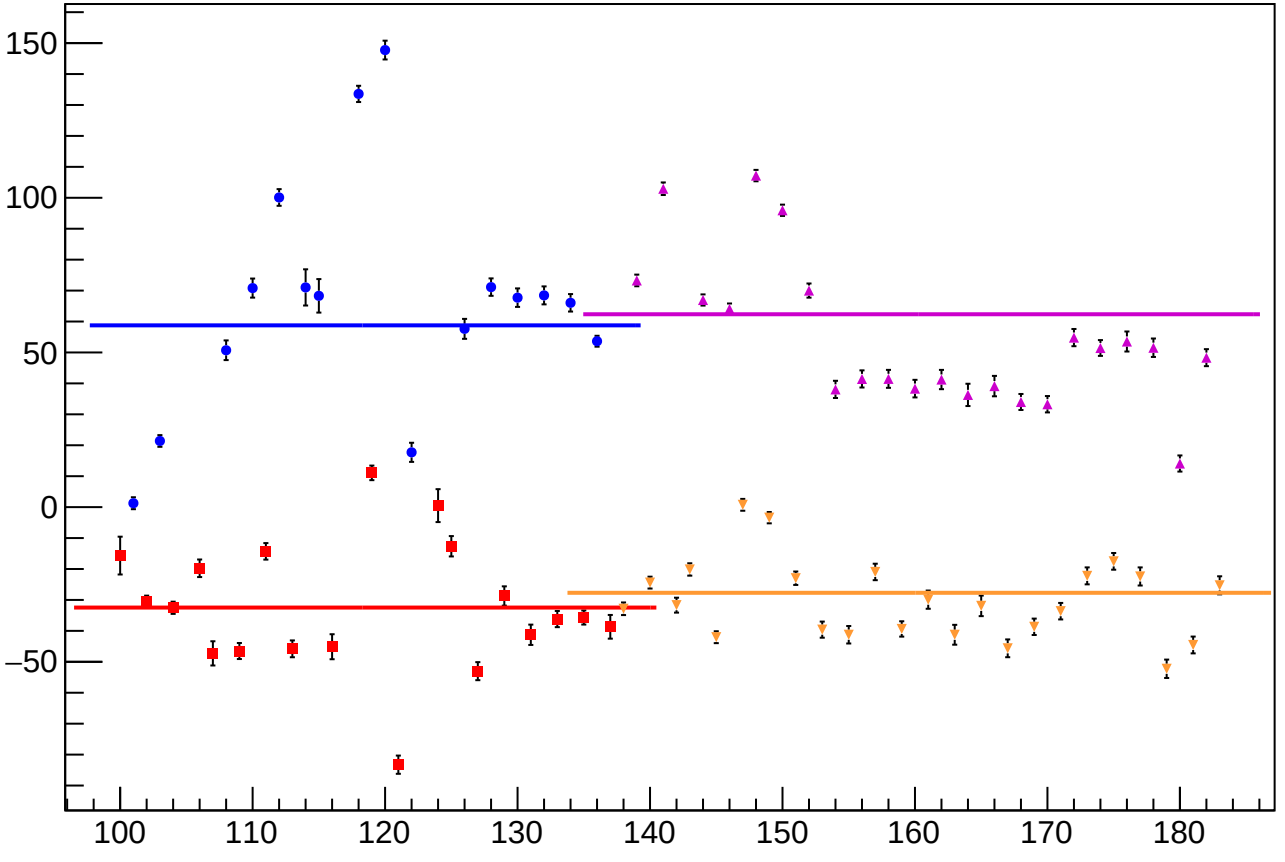
Left In: 1442.740+/-0.242 χ^2/NDF:479778.8/21

+ sign 1481.767+/-0.206 χ^2/NDF: 625307.3/39

All: 1481.791+/-0.147 χ^2/NDF: 1368287.6/80

- sign 1481.816+/-0.209 χ^2/NDF: 742980.2/40

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.694+/-0.498 χ^2/NDF:766.1/23

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

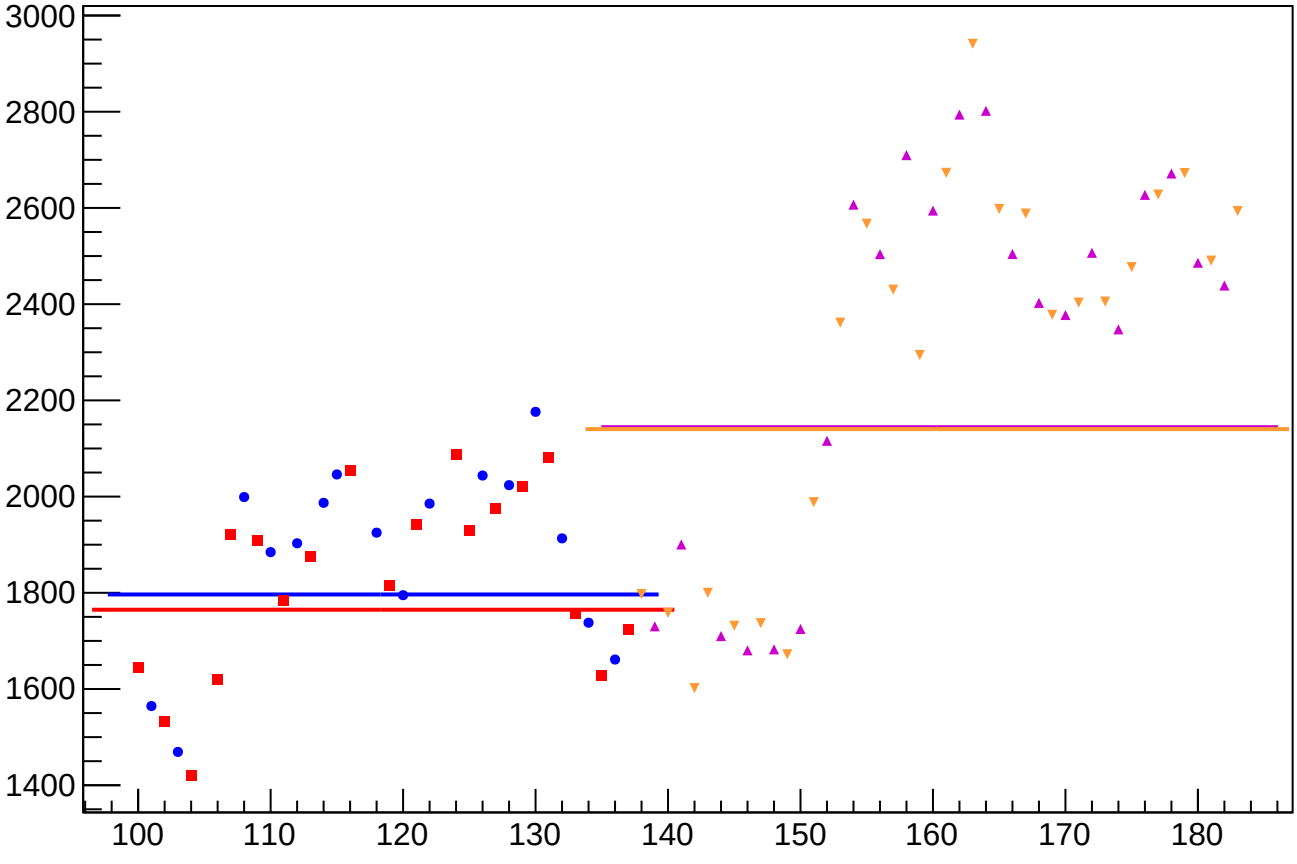
Left In: 62.350+/-0.515 χ^2/NDF:2444.3/21

+ sign 2.967+/-0.400 χ^2/NDF: 14876.7/39

All: 14.254+/-0.284 χ^2/NDF: 32966.4/80

- sign 25.694+/-0.403 χ^2/NDF: 16490.3/40

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2140.267+/-0.352 χ^2/NDF:1267143.8/23

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

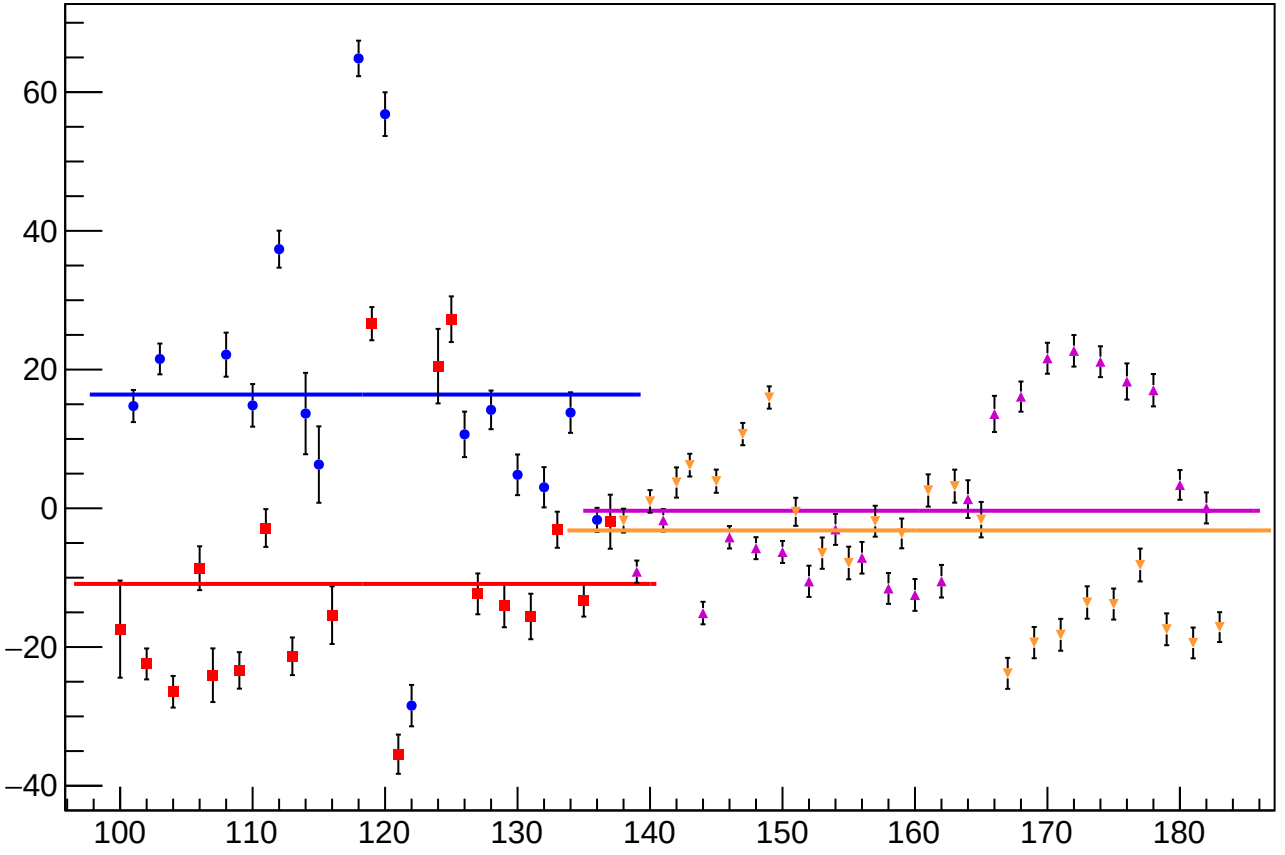
Left In: 2144.308+/-0.364 χ^2/NDF:1249380.2/21

+ sign 2018.369+/-0.283 χ^2/NDF: 1797520.1/39

All: 2008.062+/-0.201 χ^2/NDF: 3659643.9/80

- sign 1997.614+/-0.285 χ^2/NDF: 1859455.8/40

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -3.185+/-0.417 χ^2/NDF:667.4/23

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

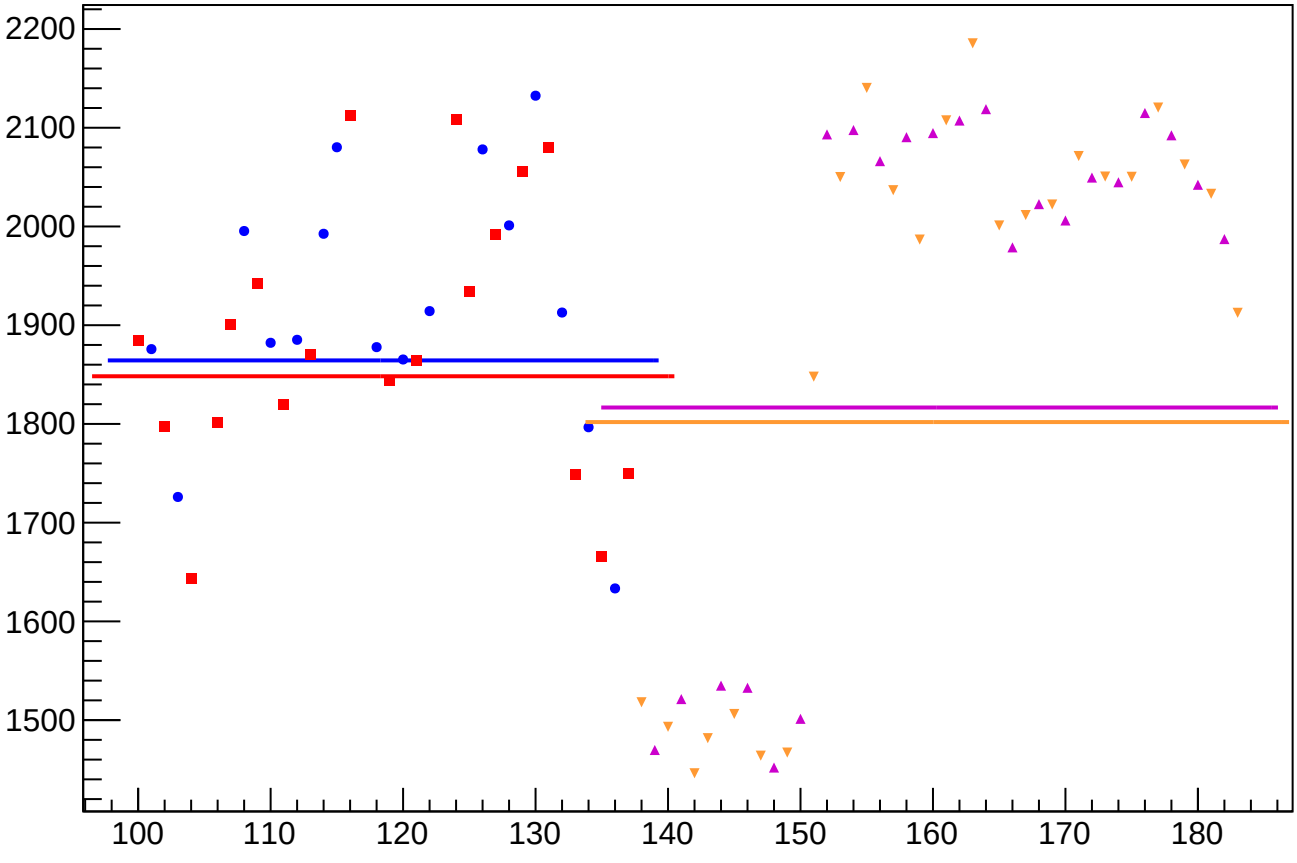
Left In: -0.352+/-0.433 χ^2/NDF:736.8/21

+ sign 2.006+/-0.358 χ^2/NDF: 2224.1/39

All: -0.655+/-0.255 χ^2/NDF: 3887.8/80

- sign -3.419+/-0.365 χ^2/NDF: 1551.0/40

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1801.890+/-0.295 χ^2/NDF:896711.6/23

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

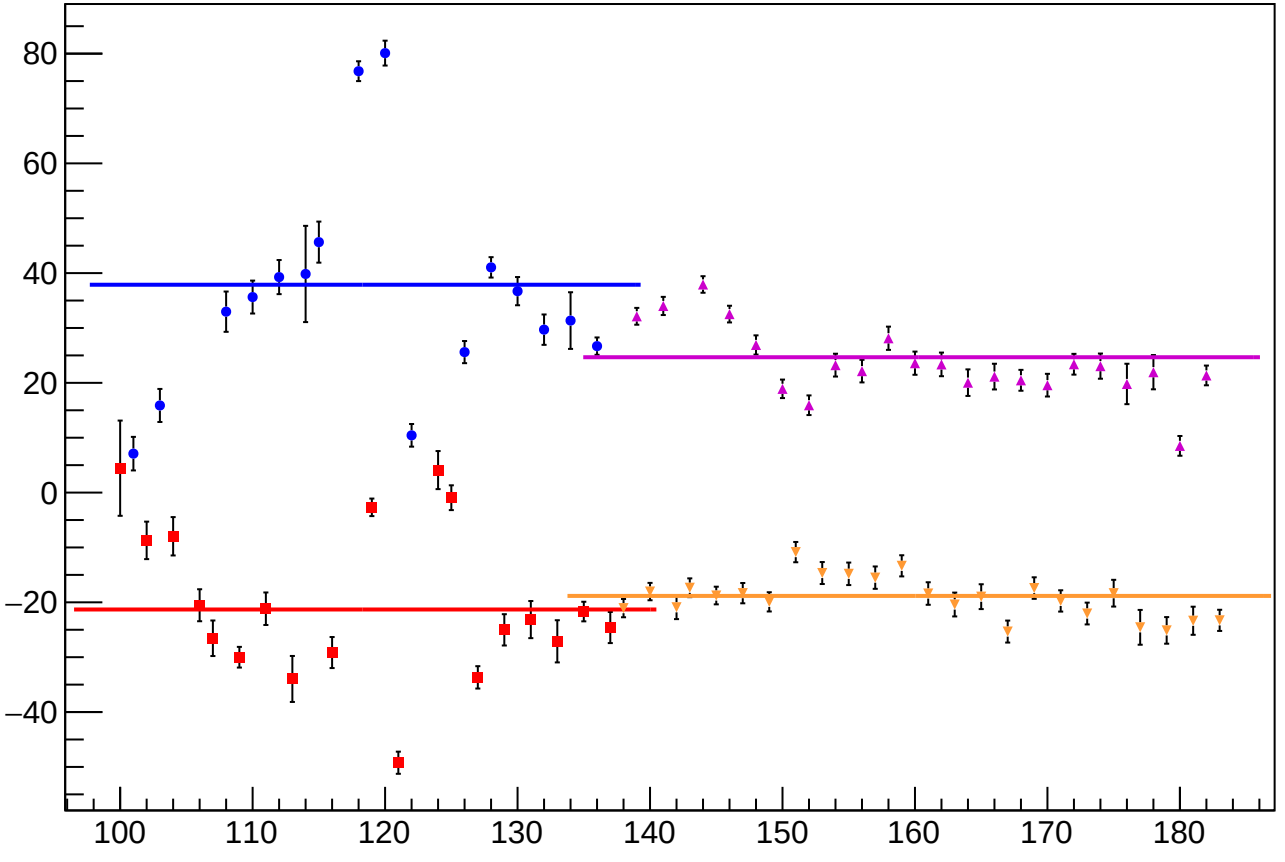
Left In: 1816.635+/-0.306 χ^2/NDF:838536.4/21

+ sign 1818.438+/-0.253 χ^2/NDF: 991891.1/39

All: 1822.068+/-0.181 χ^2/NDF: 1908910.8/80

- sign 1825.838+/-0.258 χ^2/NDF: 916600.0/40

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.831+/-0.404 χ^2/NDF:74.7/23

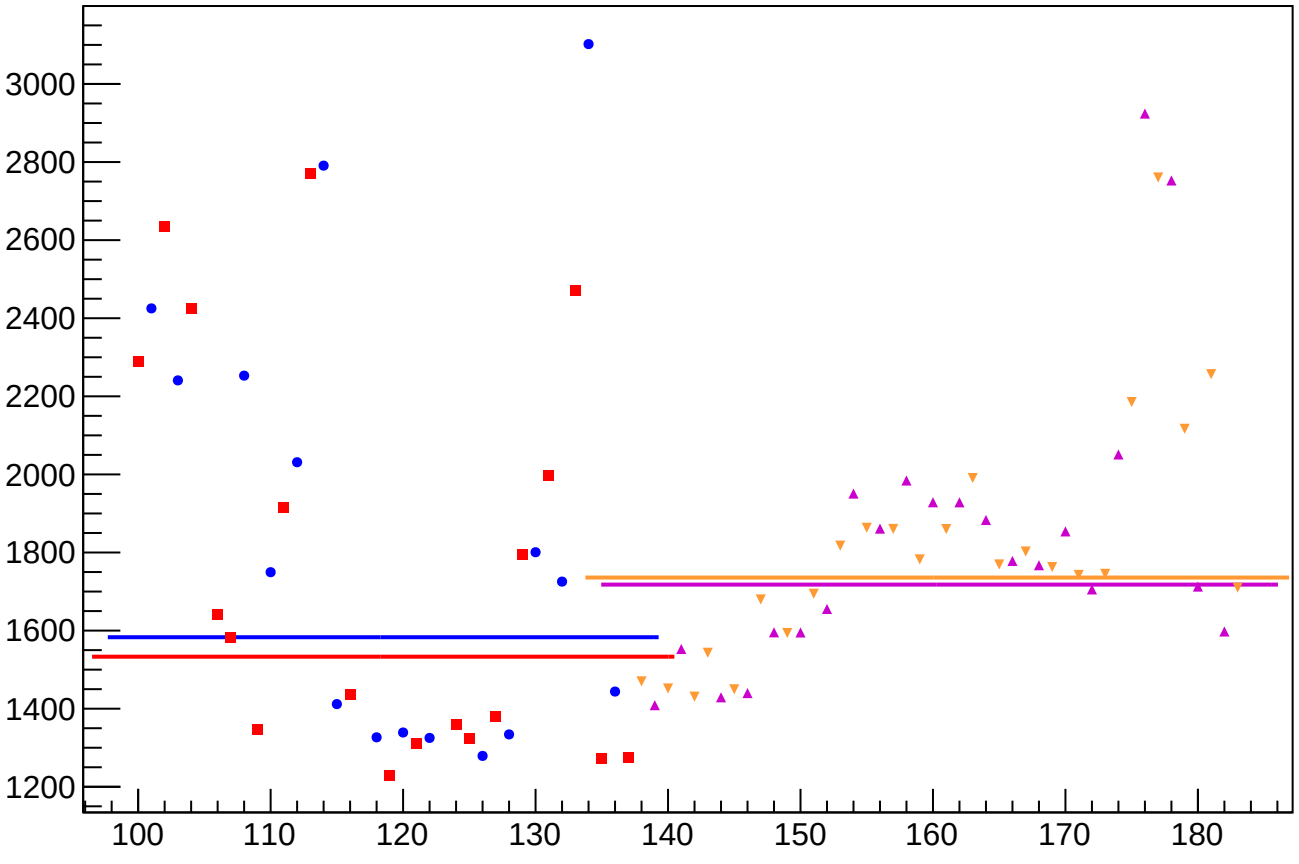
Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: 24.669+/-0.411 χ^2/NDF:306.3/21

+ sign -2.044+/-0.339 χ^2/NDF: 7170.0/39

All: 3.852+/-0.239 χ^2/NDF: 12722.2/80

- sign 9.727+/-0.338 χ^2/NDF: 4947.0/40



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1735.871+/-0.285 χ^2/NDF:726619.0/23

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

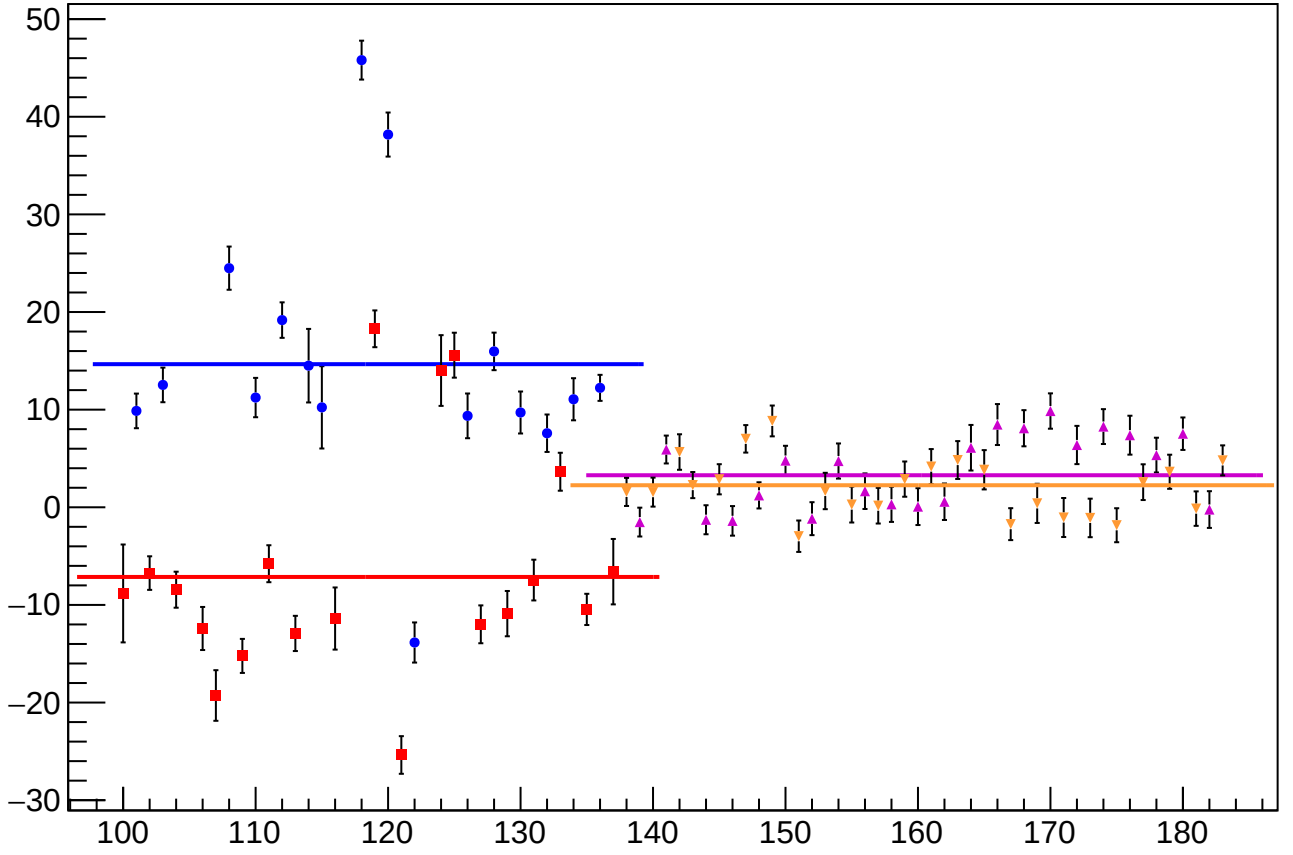
Left In: 1717.793+/-0.291 χ^2/NDF:875357.5/21

+ sign 1690.633+/-0.239 χ^2/NDF: 1599184.3/39

All: 1674.186+/-0.169 χ^2/NDF: 3565596.9/80

- sign 1657.796+/-0.239 χ^2/NDF: 1956992.0/40

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.258+/-0.346 χ^2/NDF:72.8/23

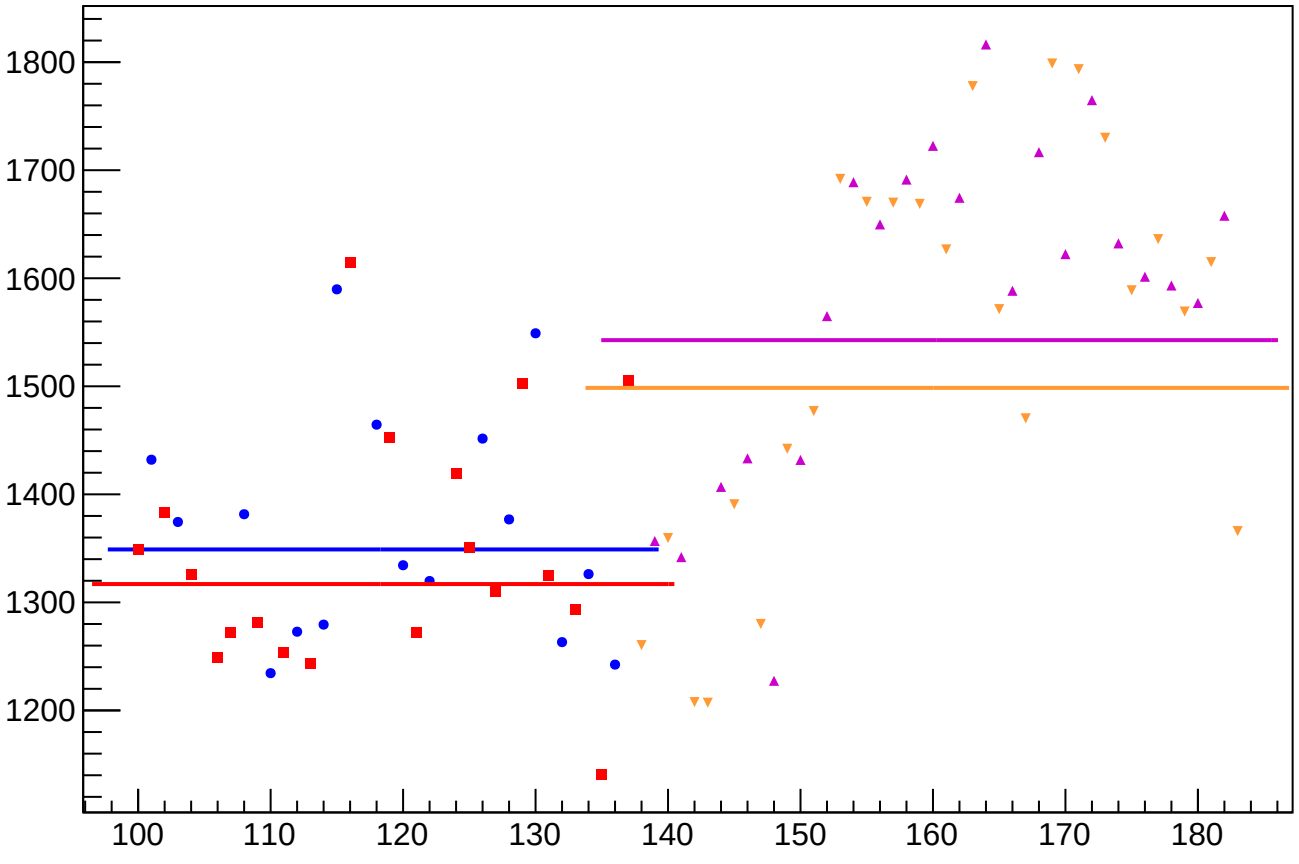
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 3.283+/-0.366 χ^2/NDF:105.9/21

+ sign 6.225+/-0.285 χ^2/NDF: 1098.4/39

All: 2.930+/-0.204 χ^2/NDF: 2281.9/80

- sign -0.517+/-0.292 χ^2/NDF: 910.6/40



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1498.519+/-0.245 χ^2/NDF:567890.1/23

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

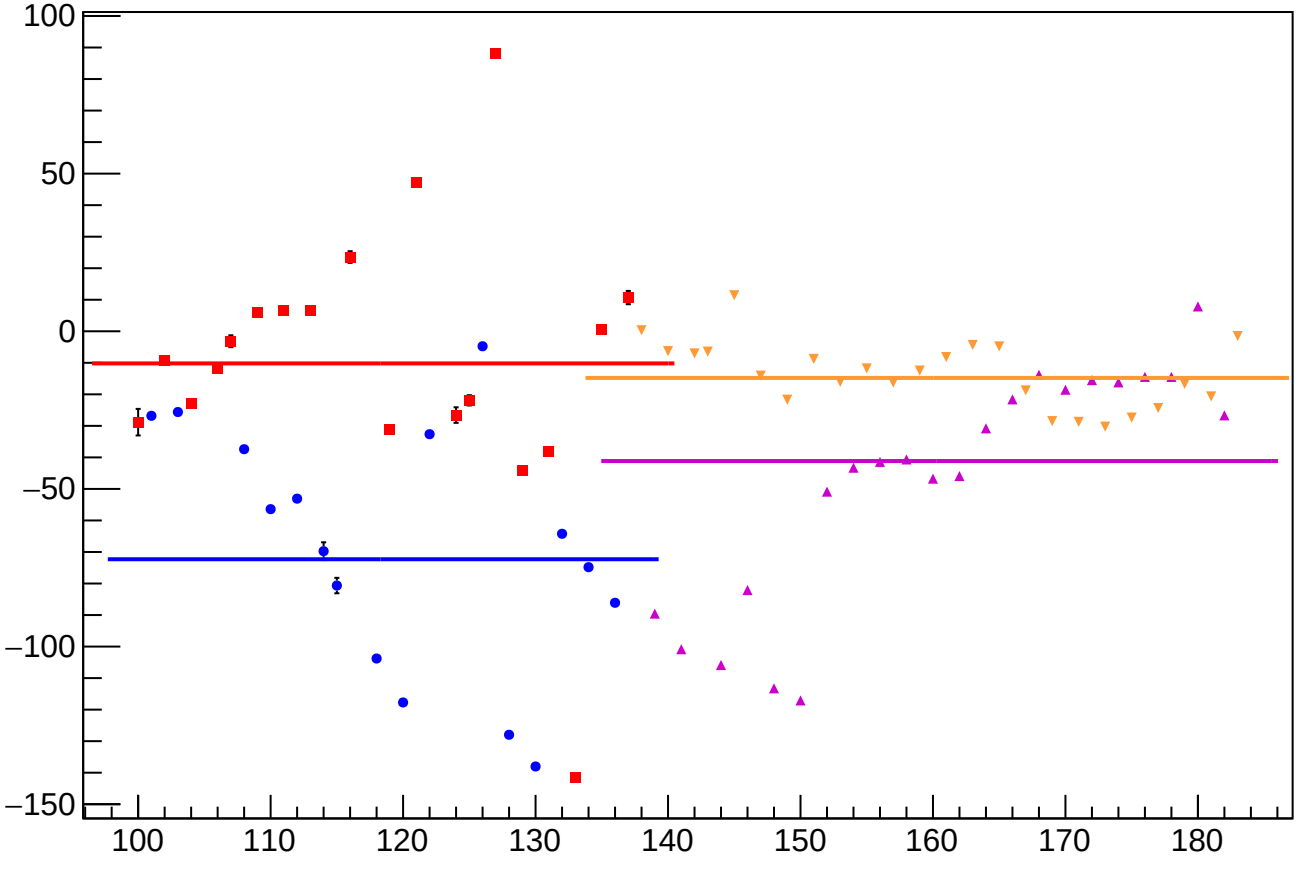
Left In: 1542.706+/-0.259 χ^2/NDF:374354.6/21

+ sign 1450.684+/-0.202 χ^2/NDF: 755745.7/39

All: 1455.421+/-0.144 χ^2/NDF: 1495450.0/80

- sign 1460.375+/-0.206 χ^2/NDF: 738576.7/40

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -14.795+/-0.184 χ^2/NDF:3079.4/23

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

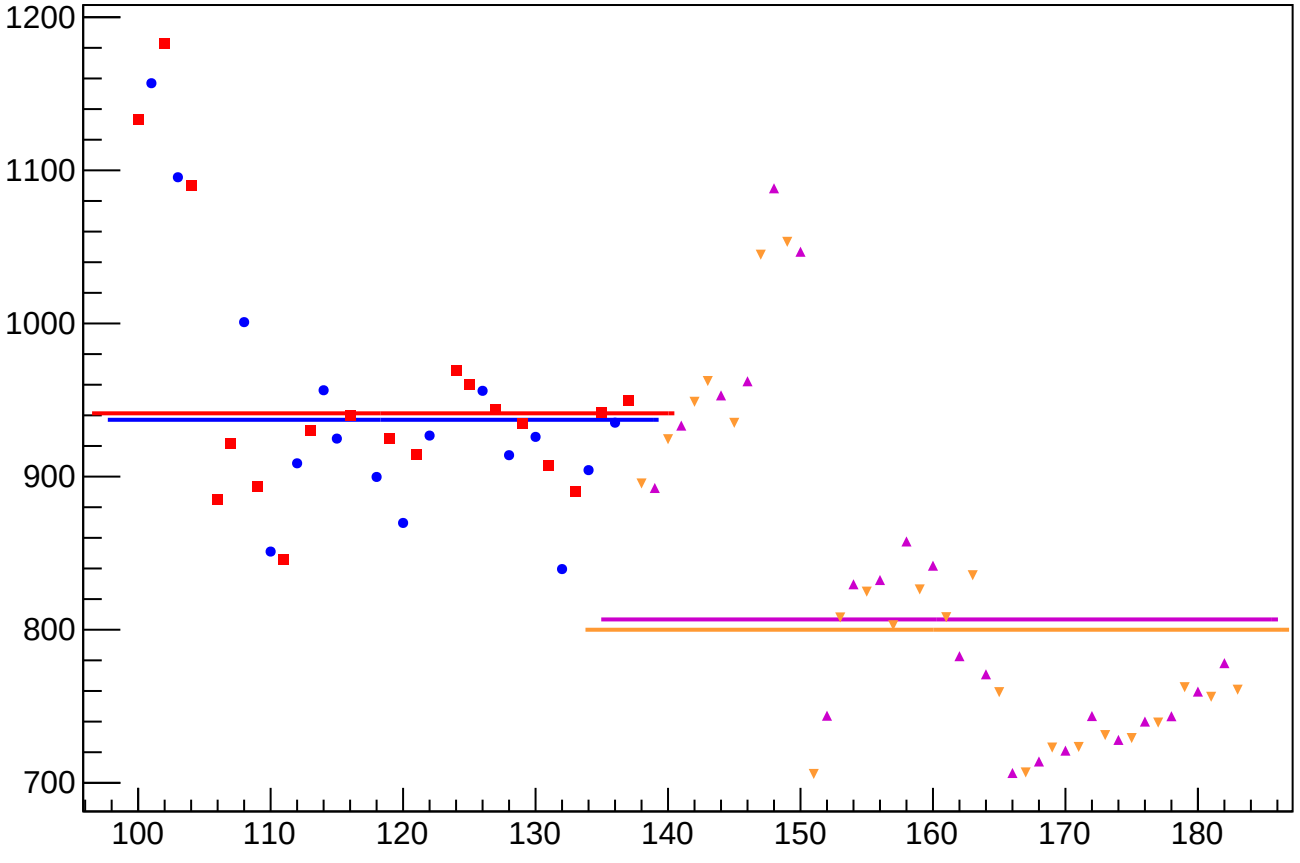
Left In: -41.153+/-0.191 χ^2/NDF:31038.8/21

+ sign -27.308+/-0.163 χ^2/NDF: 36423.0/39

All: -30.493+/-0.117 χ^2/NDF: 93463.8/80

- sign -33.849+/-0.167 χ^2/NDF: 56256.7/40

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 799.997+/-0.130 χ^2/NDF:496910.4/23

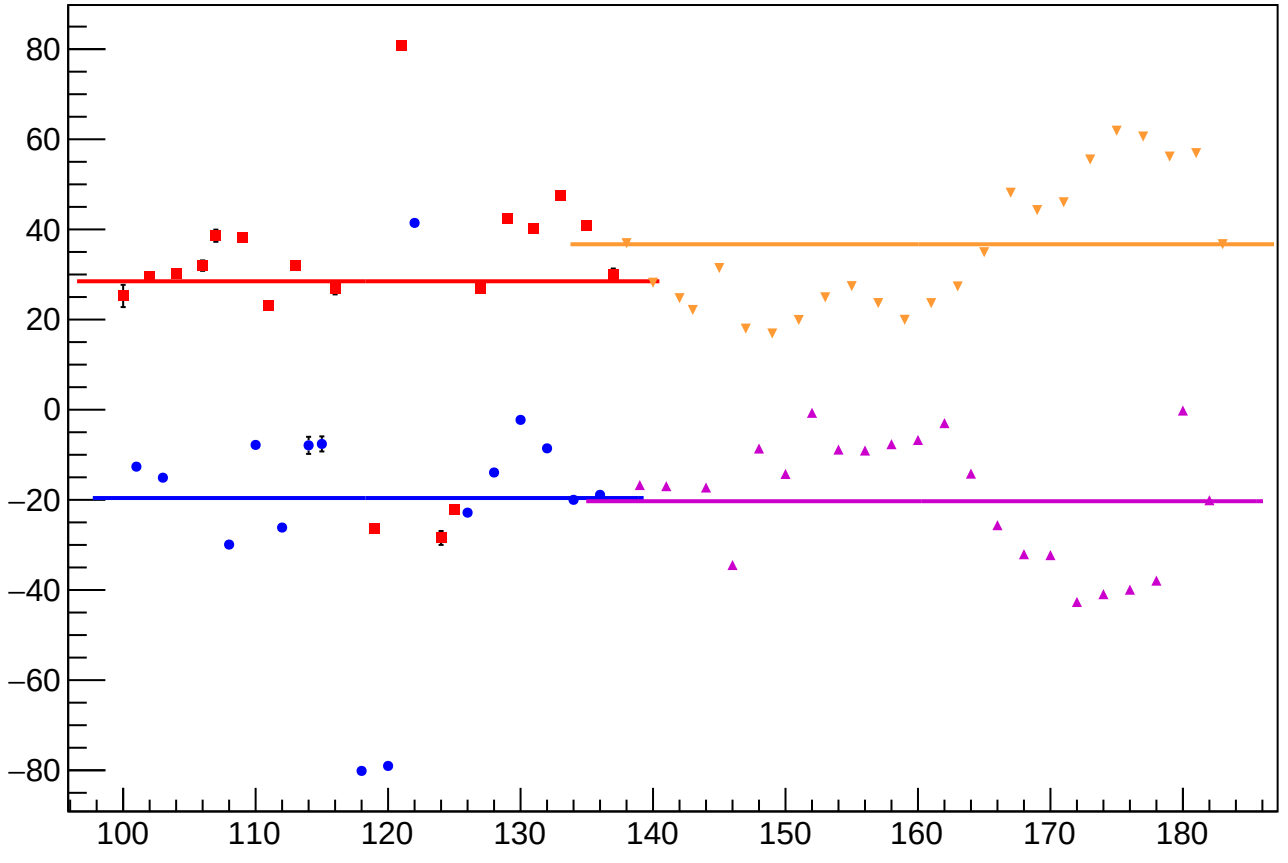
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 806.722+/-0.135 χ^2/NDF:511104.9/21

\+ sign 829.827+/-0.115 χ^2/NDF: 842432.4/39

All: 834.035+/-0.083 χ^2/NDF: 1690556.3/80

\- sign 838.471+/-0.118 χ^2/NDF: 845385.5/40



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 36.707+/-0.146 χ^2/NDF:10231.1/23

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

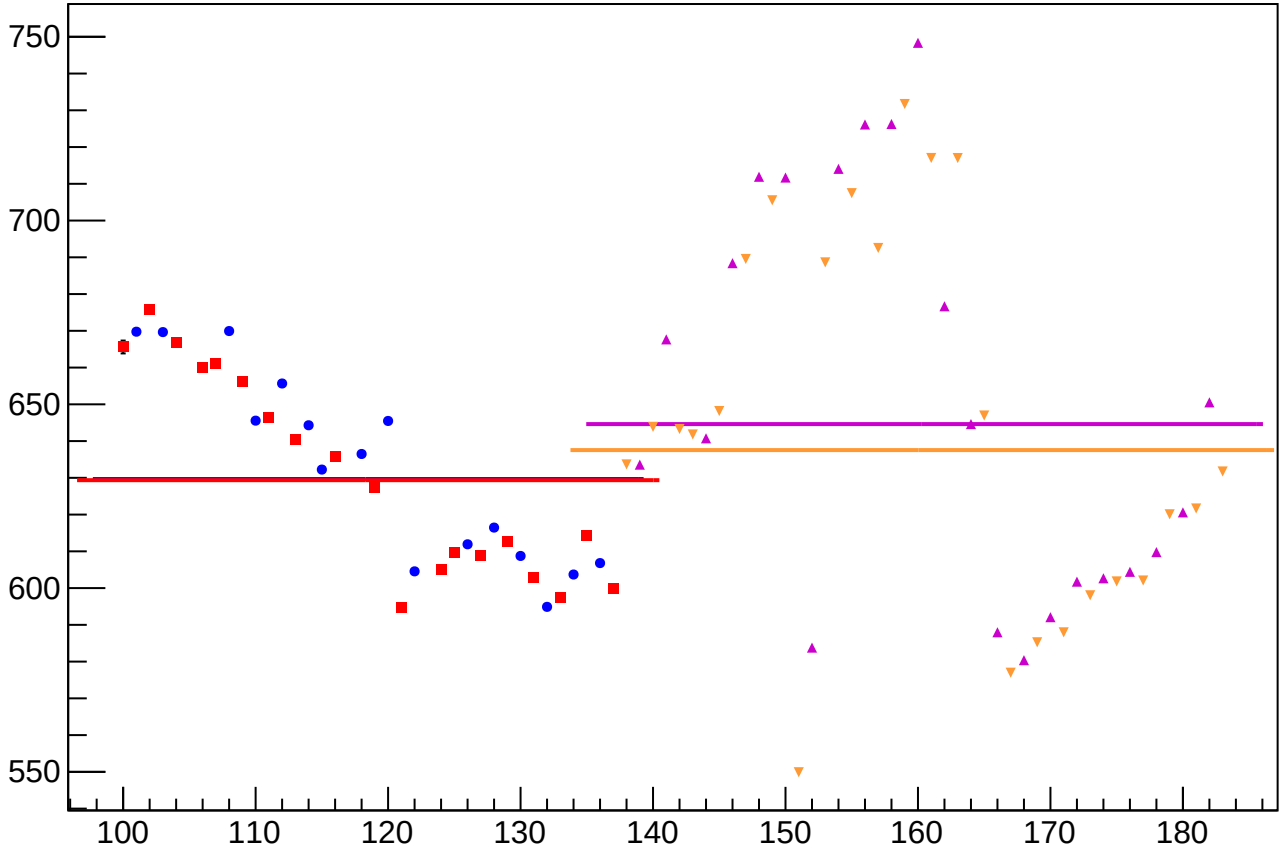
Left In: -20.303+/-0.152 χ^2/NDF:8410.3/21

+ sign 20.871+/-0.124 χ^2/NDF: 64993.8/39

All: 8.046+/-0.089 χ^2/NDF: 139567.9/80

- sign -5.381+/-0.127 χ^2/NDF: 52720.7/40

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 637.547+/-0.104 χ^2/NDF:236536.2/23

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

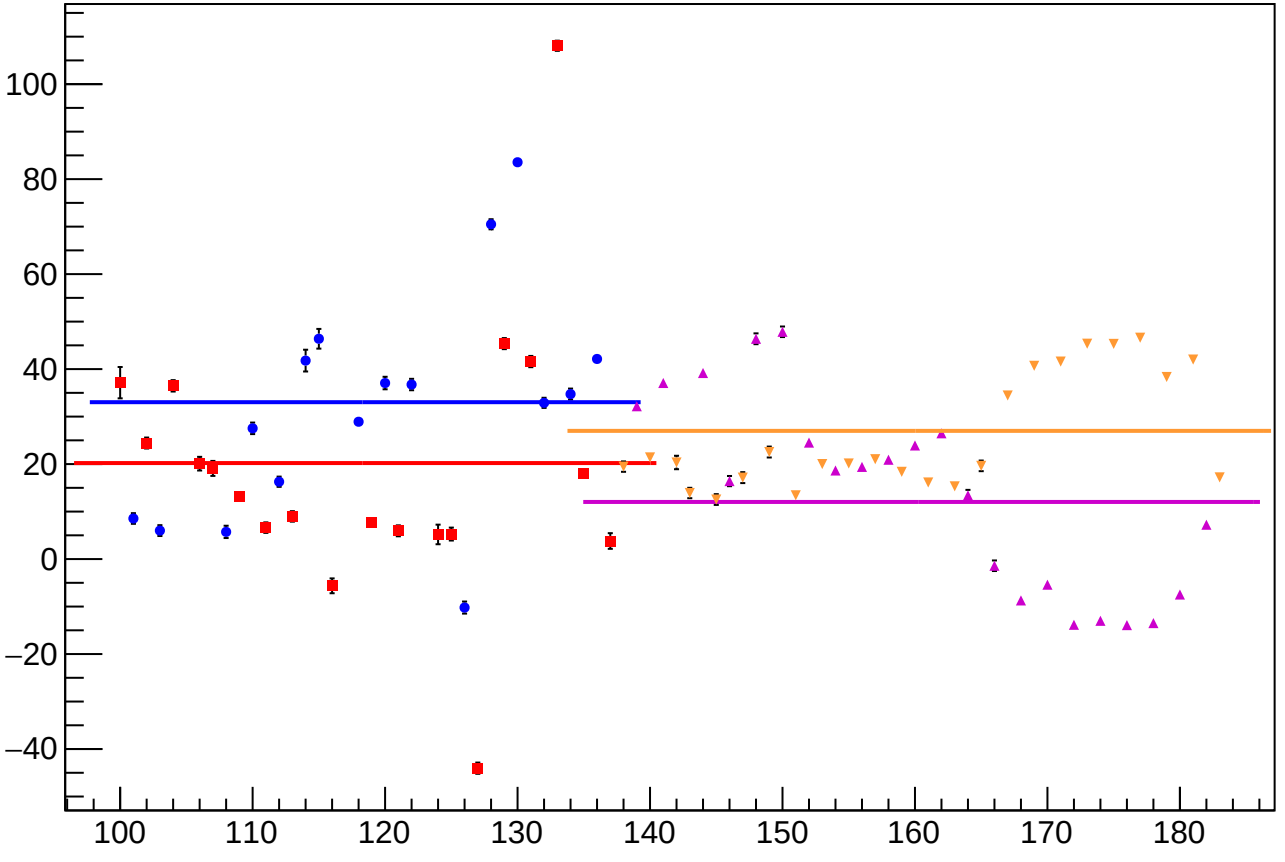
Left In: 644.623+/-0.108 χ^2/NDF:229216.5/21

+ sign 635.329+/-0.088 χ^2/NDF: 263484.1/39

All: 637.590+/-0.063 χ^2/NDF: 526980.5/80

- sign 639.956+/-0.090 χ^2/NDF: 262138.5/40

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 26.995+/-0.208 χ^2/NDF:3363.6/23

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

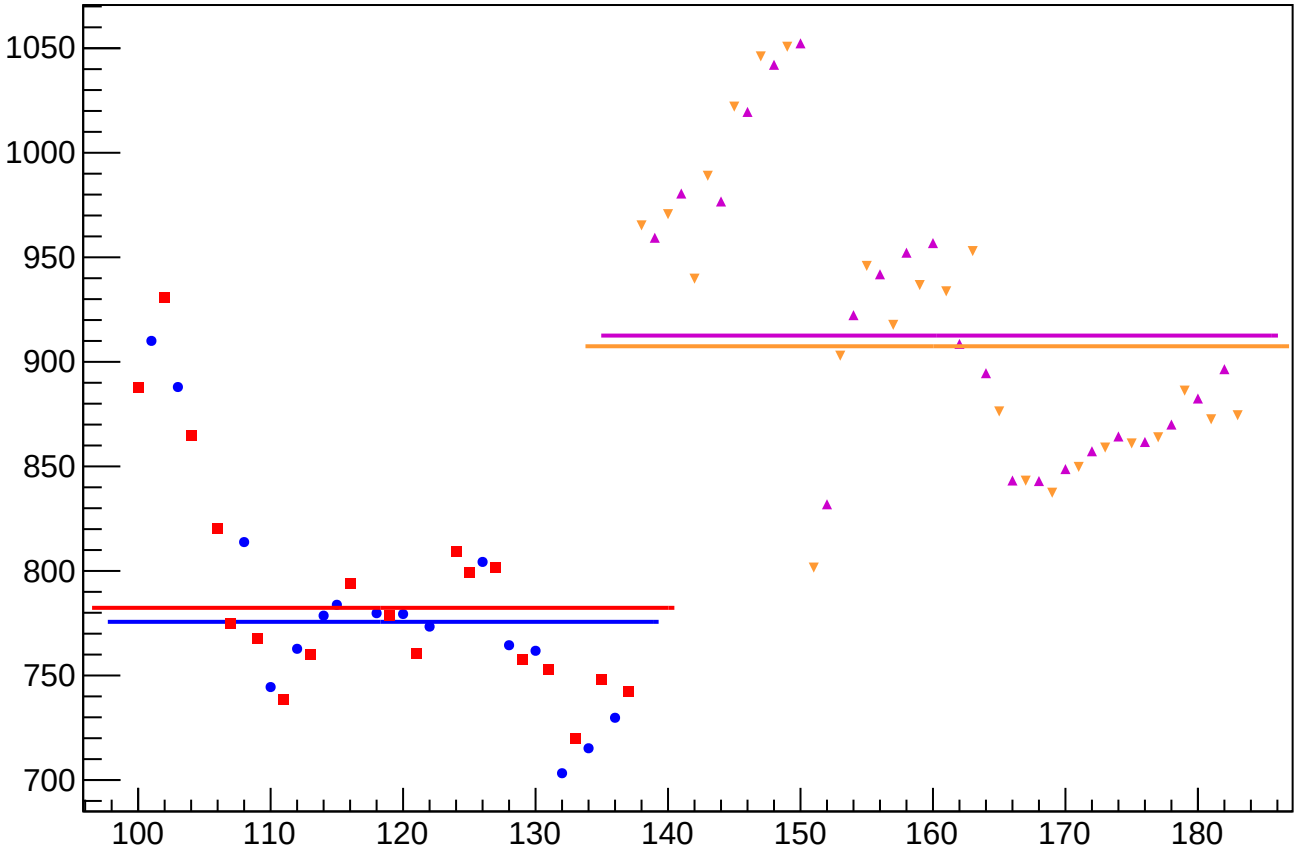
Left In: 12.027+/-0.216 χ^2/NDF:8524.9/21

\+ sign 29.058+/-0.169 χ^2/NDF: 10351.3/39

All: 22.159+/-0.121 χ^2/NDF: 34671.0/80

\- sign 14.993+/-0.172 χ^2/NDF: 20917.4/40

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 907.459+/-0.147 χ^2/NDF:194163.8/23

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

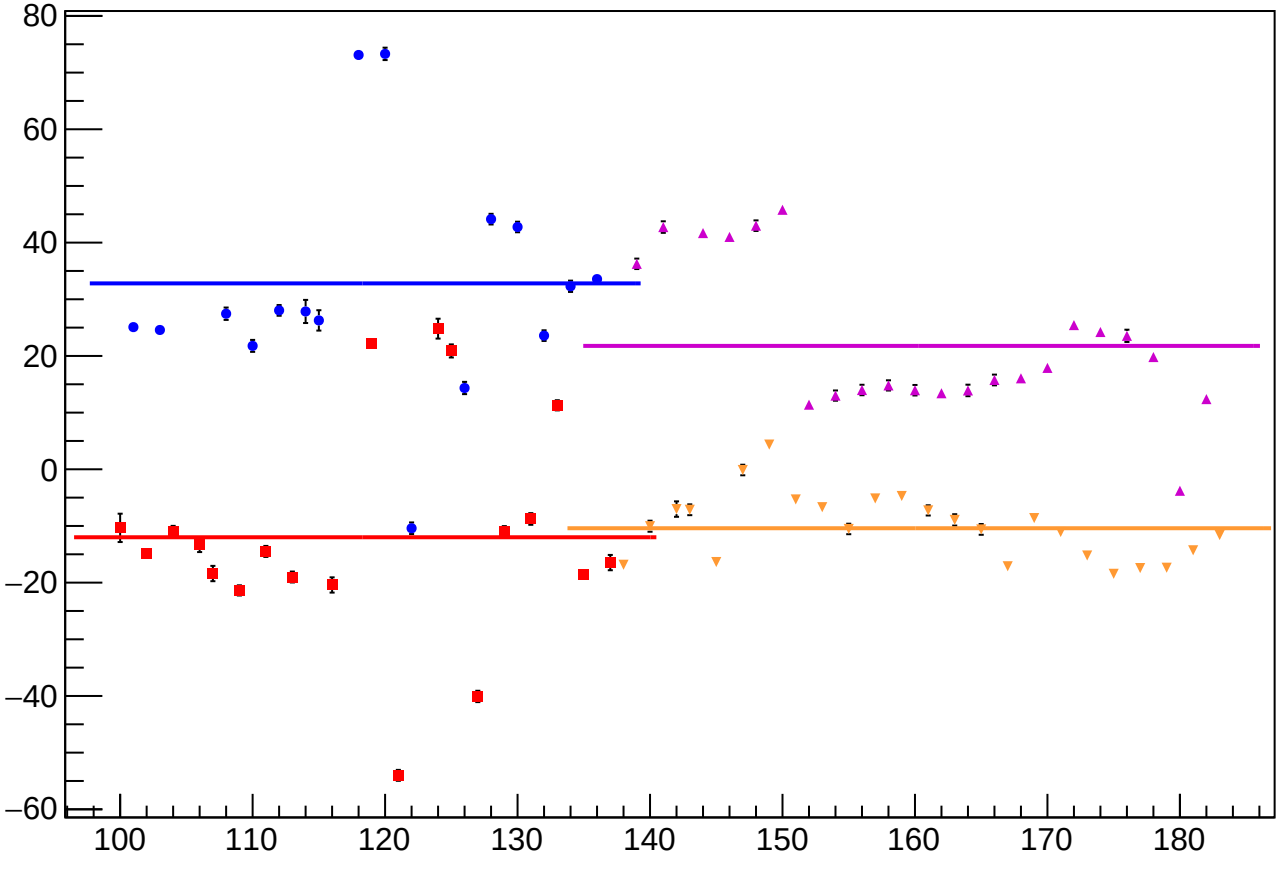
Left In: 912.569+/-0.152 χ^2/NDF:174531.8/21

+ sign 862.420+/-0.119 χ^2/NDF: 542799.2/39

All: 863.882+/-0.085 χ^2/NDF: 1046671.3/80

- sign 865.401+/-0.122 χ^2/NDF: 503566.5/40

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.401+/-0.177 χ^2/NDF:1041.7/23

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

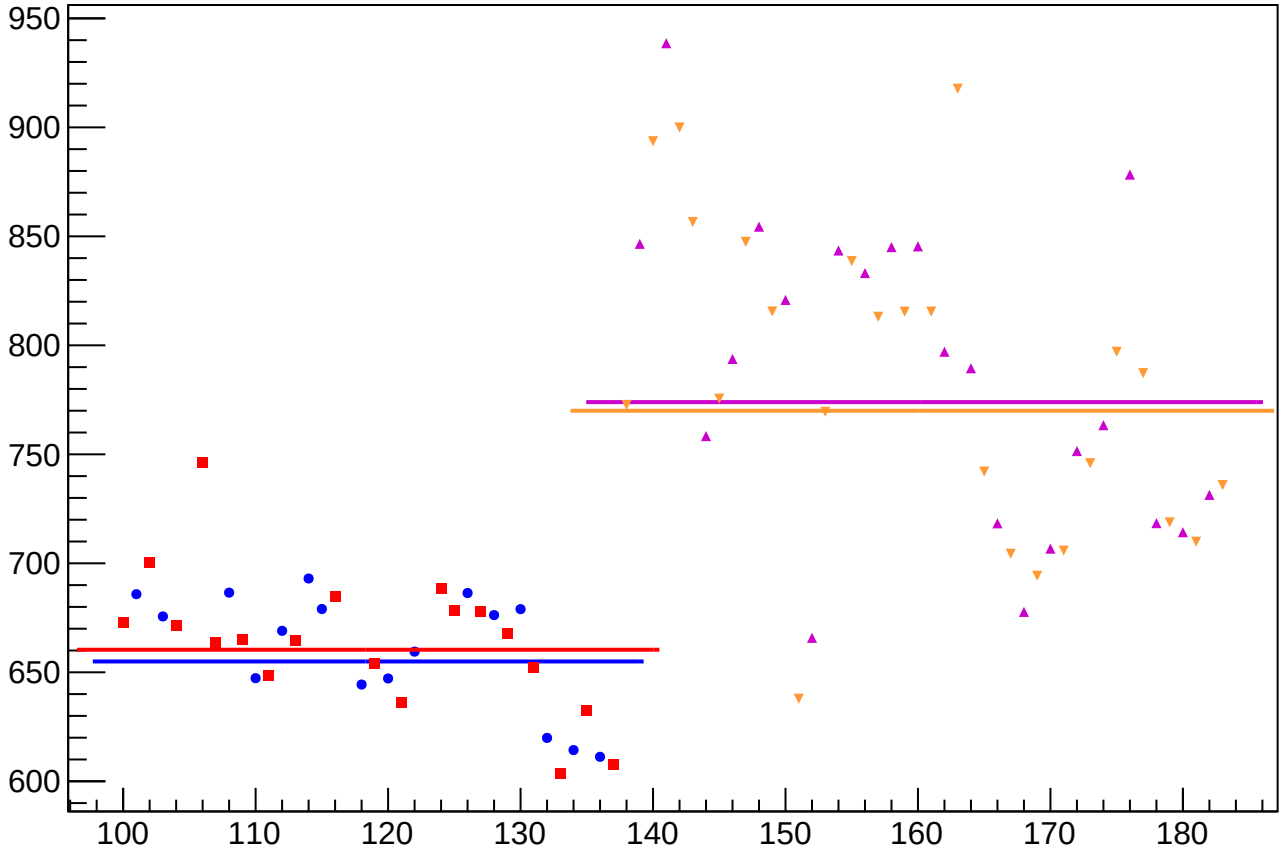
Left In: 21.775+/-0.183 χ^2/NDF:5199.6/21

+ sign 4.560+/-0.143 χ^2/NDF: 27878.8/39

All: 6.931+/-0.102 χ^2/NDF: 52617.5/80

- sign 9.393+/-0.146 χ^2/NDF: 24180.7/40

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 769.986+/-0.125 χ^2/NDF:304442.7/23

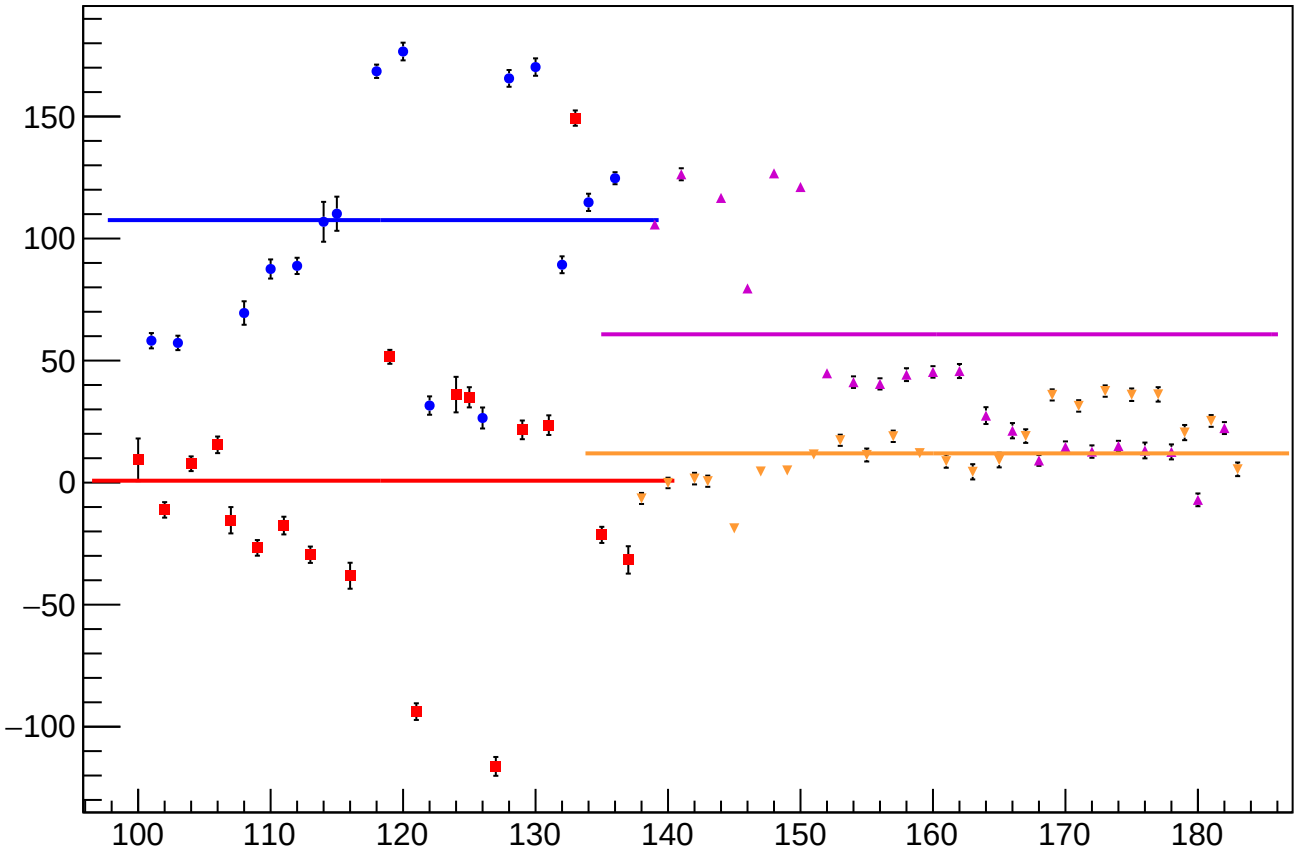
Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 773.952+/-0.130 χ^2/NDF:282802.4/21

+ sign 730.157+/-0.101 χ^2/NDF: 622843.8/39

All: 731.207+/-0.072 χ^2/NDF: 1217406.6/80

- sign 732.298+/-0.103 χ^2/NDF: 594343.9/40



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 11.983+/-0.474 χ^2/NDF:947.1/23

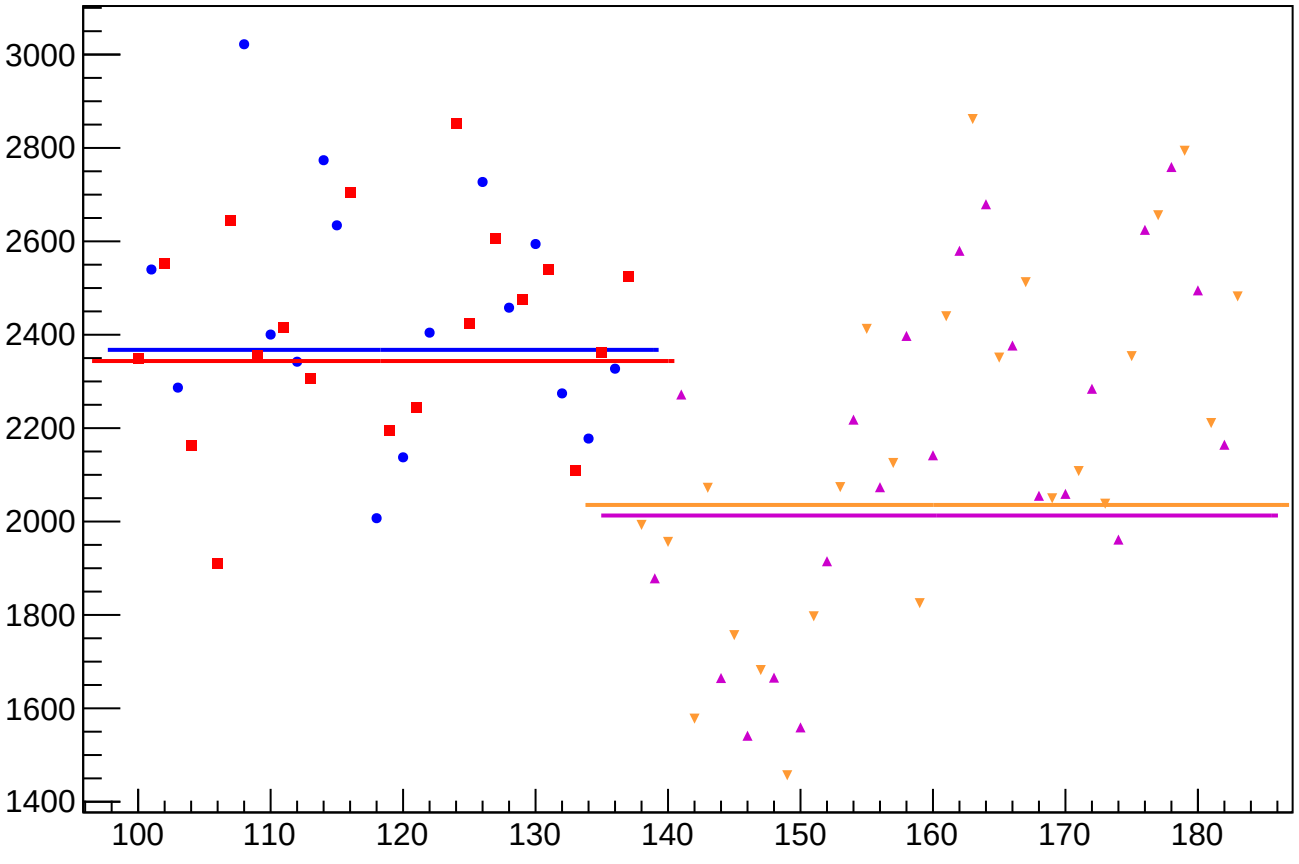
Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 60.763+/-0.484 χ^2/NDF:8628.5/21

+ sign 33.276+/-0.418 χ^2/NDF: 12958.3/39

All: 39.759+/-0.297 χ^2/NDF: 30525.4/80

- sign 46.363+/-0.422 χ^2/NDF: 17081.2/40



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 2035.545+/-0.335 χ^2/NDF:1114625.6/23

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

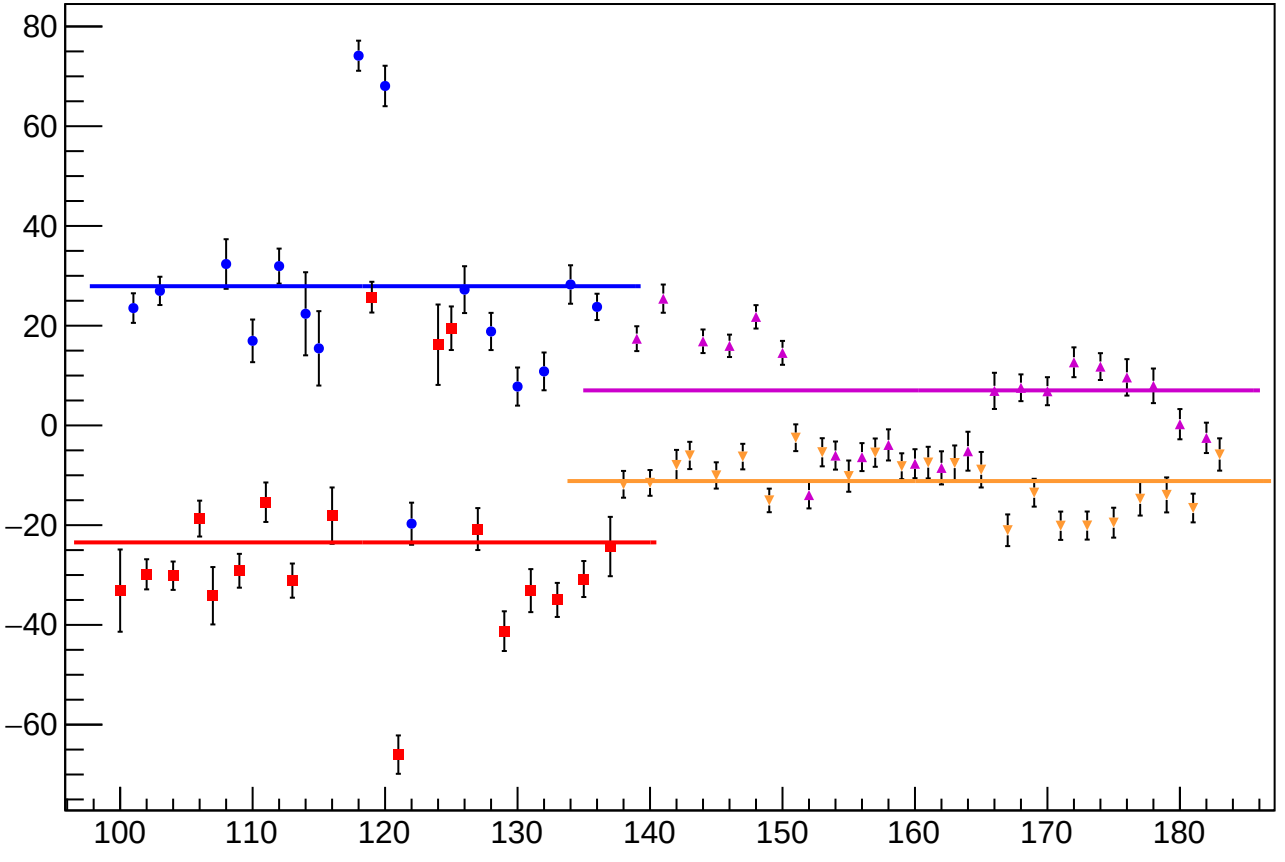
Left In: 2012.903+/-0.342 χ^2/NDF:1036334.1/21

+ sign 2109.538+/-0.296 χ^2/NDF: 1460088.0/39

All: 2101.012+/-0.210 χ^2/NDF: 2834814.8/80

- sign 2092.327+/-0.298 χ^2/NDF: 1373046.6/40

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.158+/-0.589 χ^2/NDF:80.3/23

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

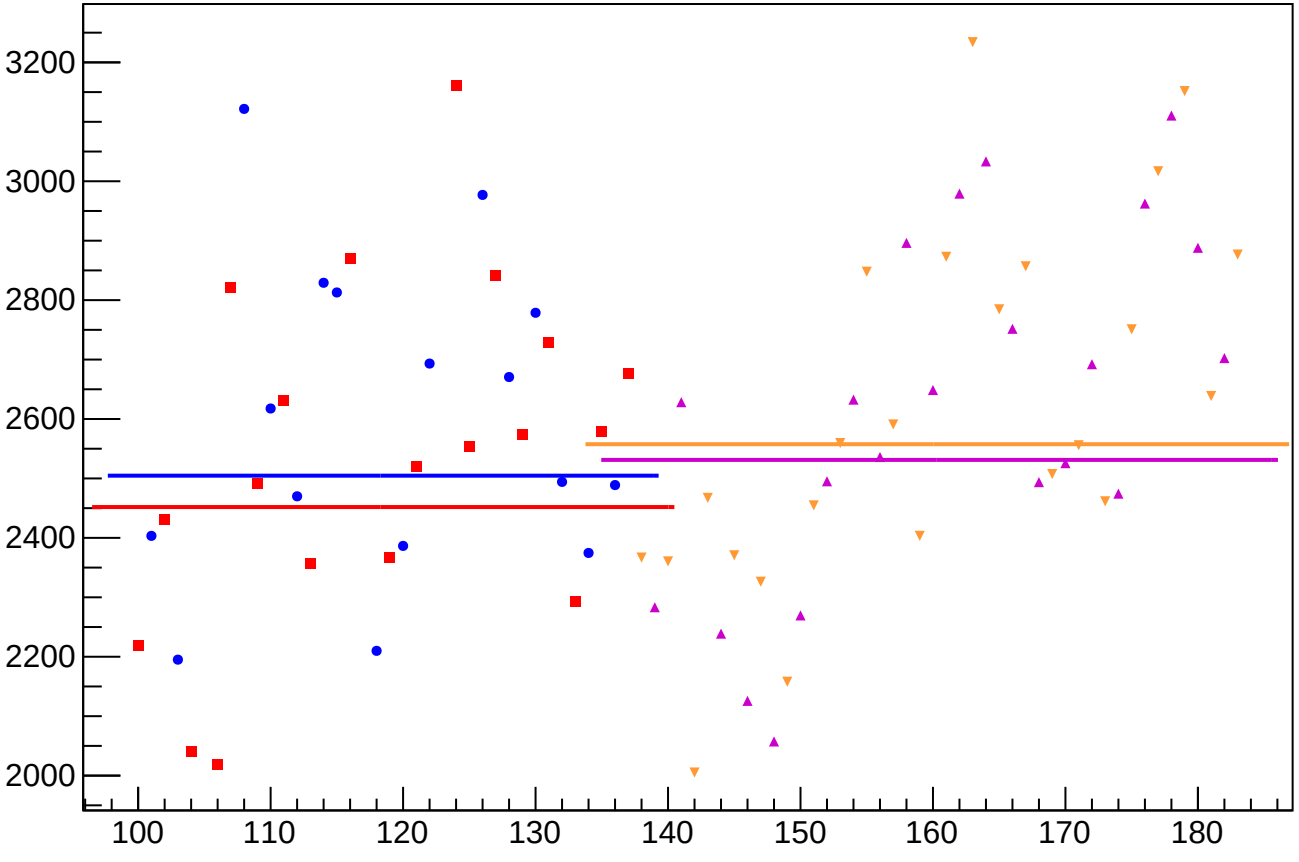
Left In: 7.026+/-0.603 χ^2/NDF:339.2/21

\+ sign -0.077+/-0.499 χ^2/NDF: 1857.5/39

All: -1.219+/-0.354 χ^2/NDF: 3564.0/80

\- sign -2.371+/-0.501 χ^2/NDF: 1696.0/40

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2557.590+/-0.417 χ^2/NDF:447492.3/23

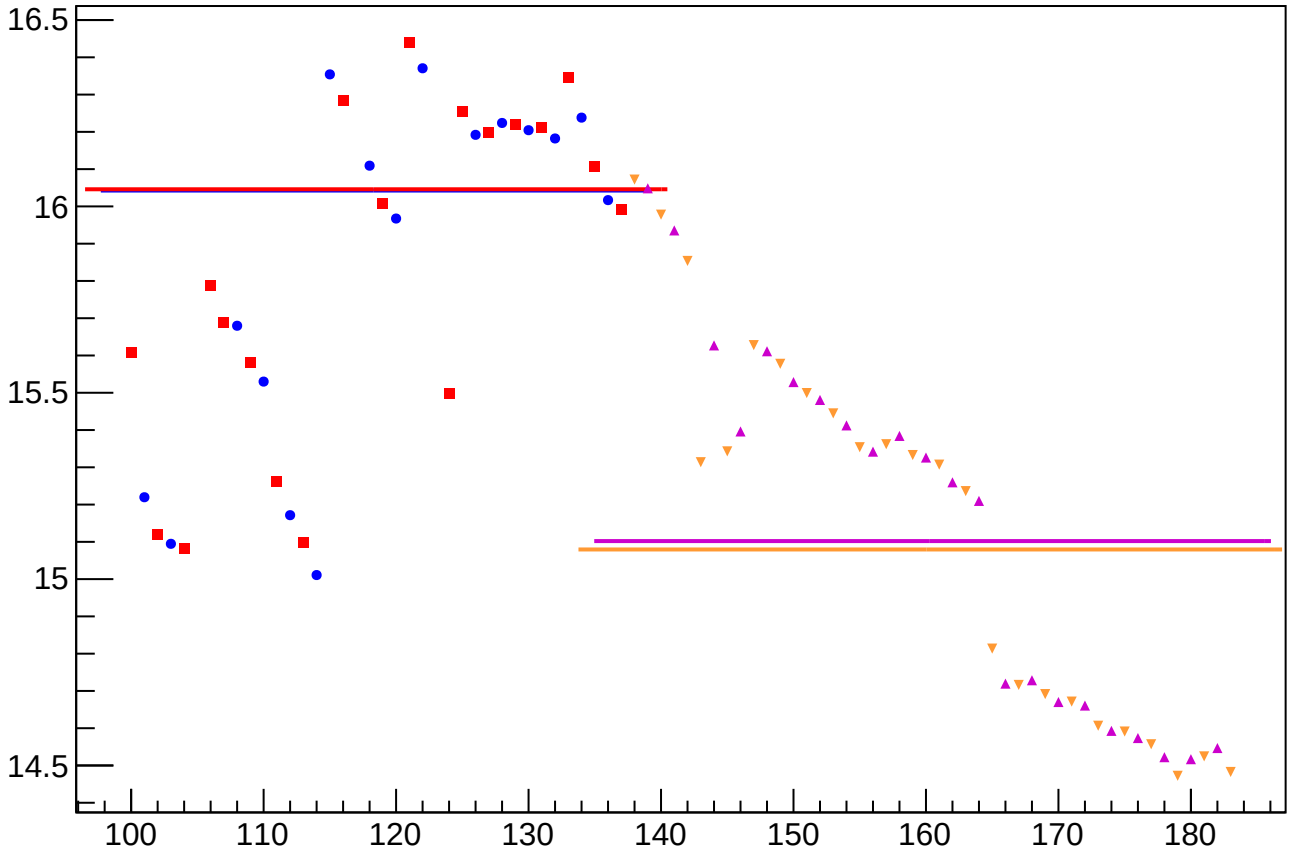
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2531.188+/-0.426 χ^2/NDF:458420.0/21

+ sign 2542.579+/-0.353 χ^2/NDF: 578667.0/39

All: 2524.742+/-0.250 χ^2/NDF: 1206142.4/80

- sign 2506.738+/-0.354 χ^2/NDF: 622337.4/40



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.080+/-0.000 χ^2/NDF:42837648482.1/23

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

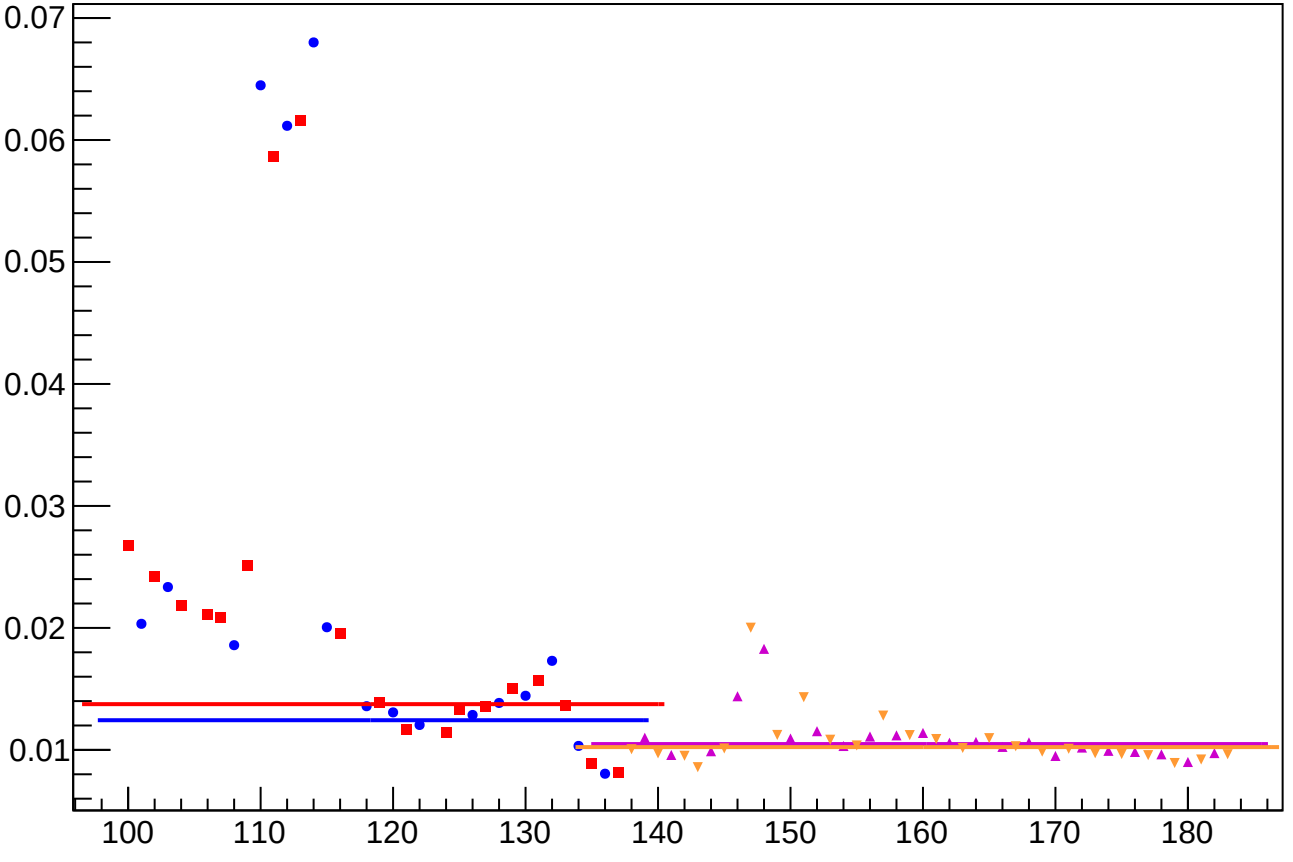
Left In: 15.102+/-0.000 χ^2/NDF:37848825688.4/21

+ sign 15.246+/-0.000 χ^2/NDF: 73014458083.2/39

All: 15.251+/-0.000 χ^2/NDF: 136851351225.

- sign 15.256+/-0.000 χ^2/NDF: 63825616732.6/40

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:757670.1/23

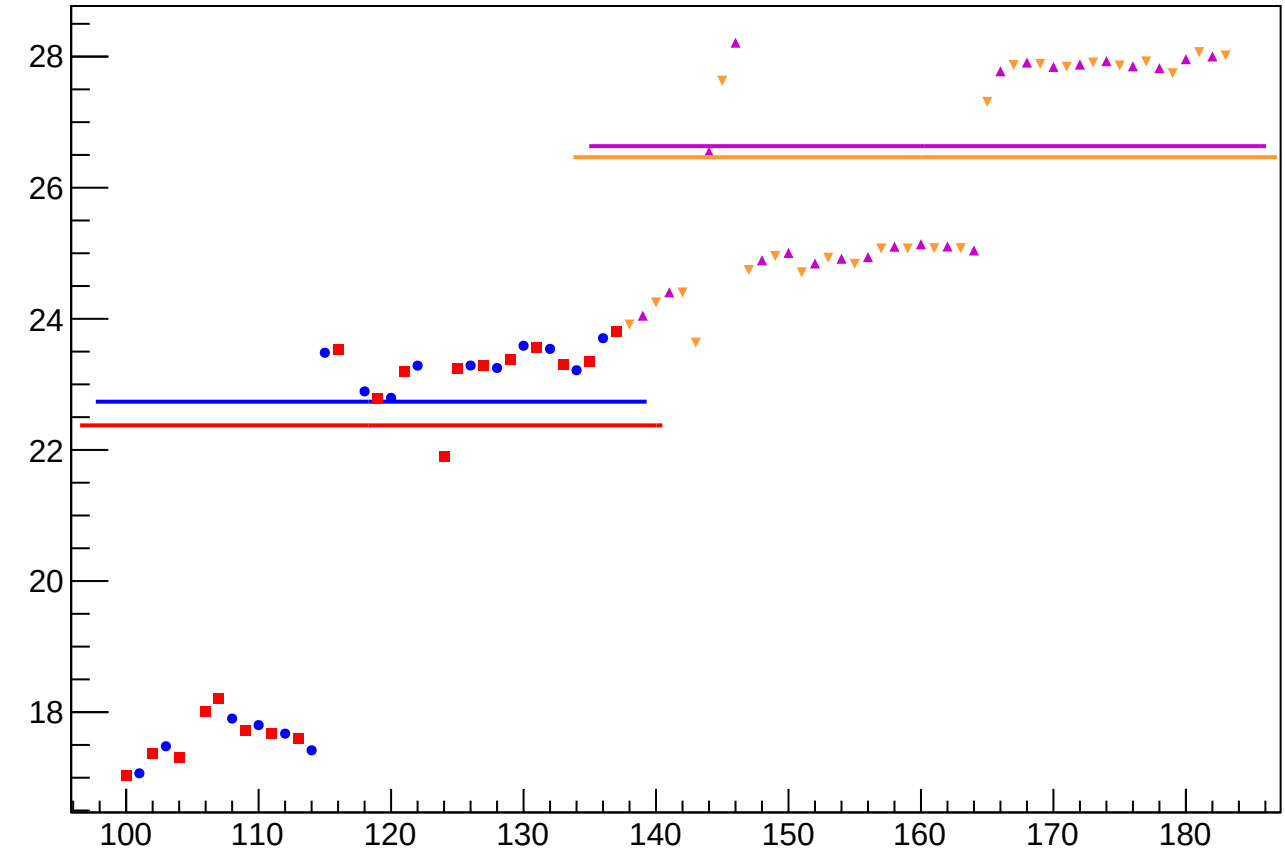
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.010+/-0.000 χ^2/NDF:567348.8/21

+ sign 0.011+/-0.000 χ^2/NDF: 3360873.6/39

All: 0.011+/-0.000 χ^2/NDF: 6729757.6/80

- sign 0.011+/-0.000 χ^2/NDF: 3337080.2/40



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.466+/-0.000 χ^2/NDF:3828527474.4/23

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

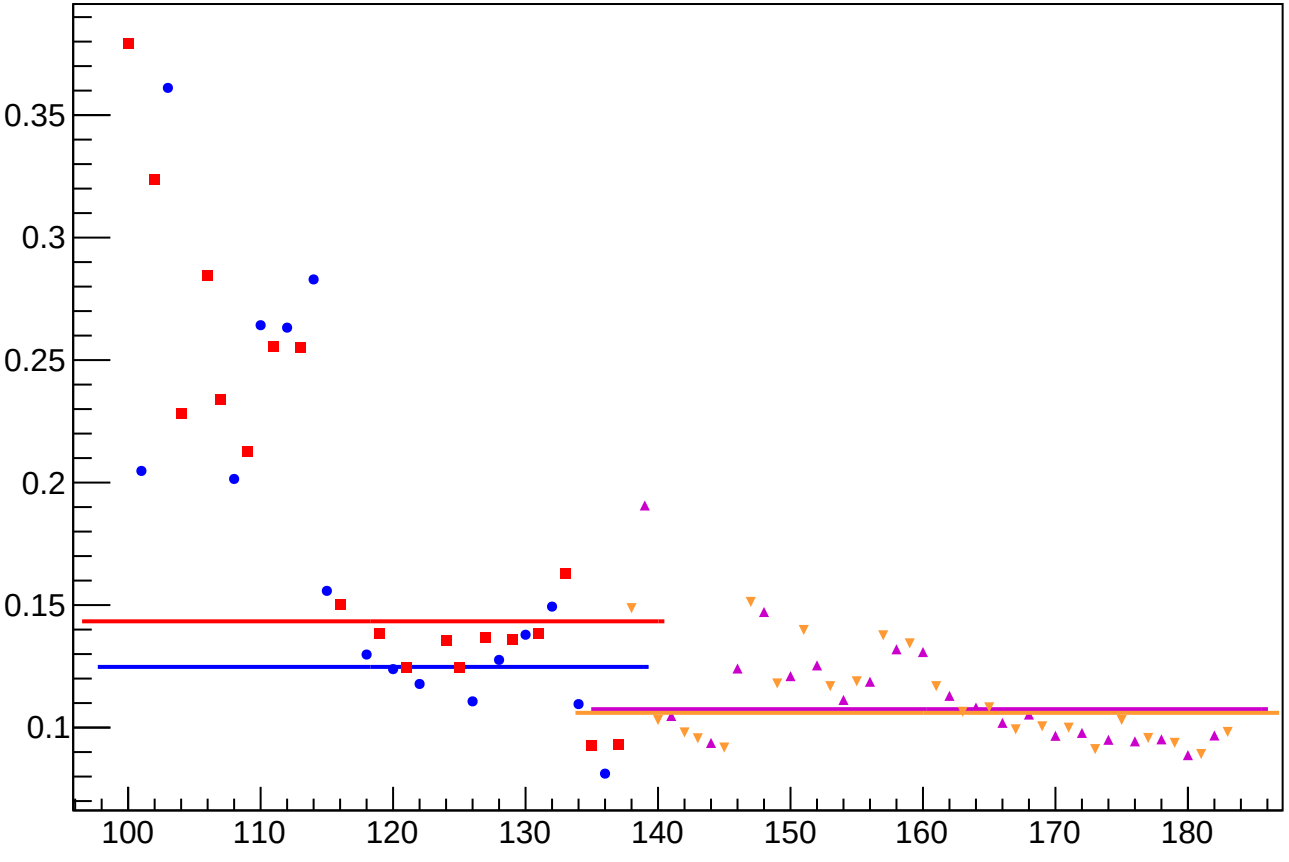
Left In: 26.634+/-0.000 χ^2/NDF:2844331803.0/21

+ sign 25.754+/-0.000 χ^2/NDF: 8915876451.3/39

All: 25.820+/-0.000 χ^2/NDF: 17183561513.2

- sign 25.895+/-0.000 χ^2/NDF: 8250736597.7/40

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.106+/-0.000 χ^2/NDF:747728.7/23

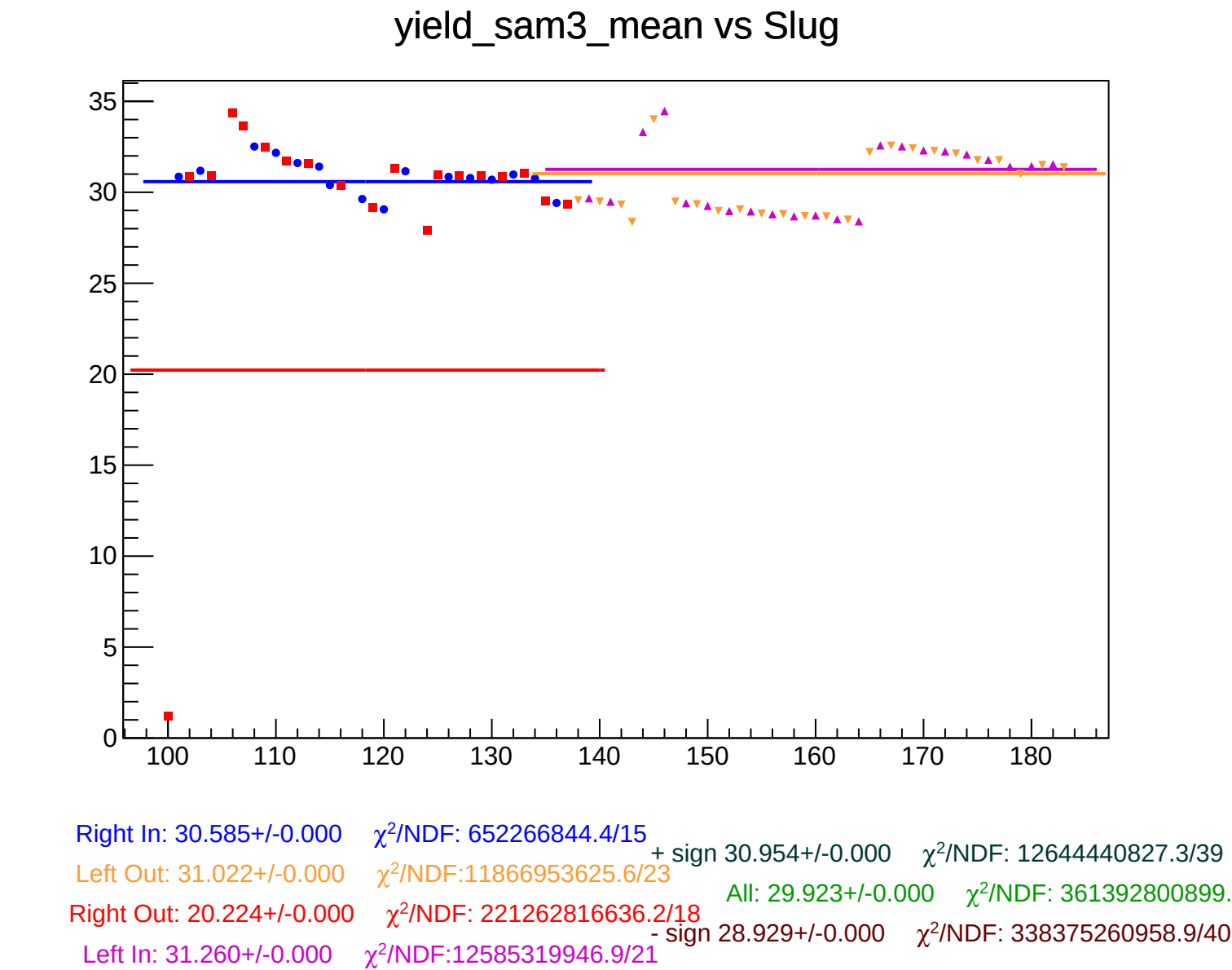
Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.108+/-0.000 χ^2/NDF:851569.3/21

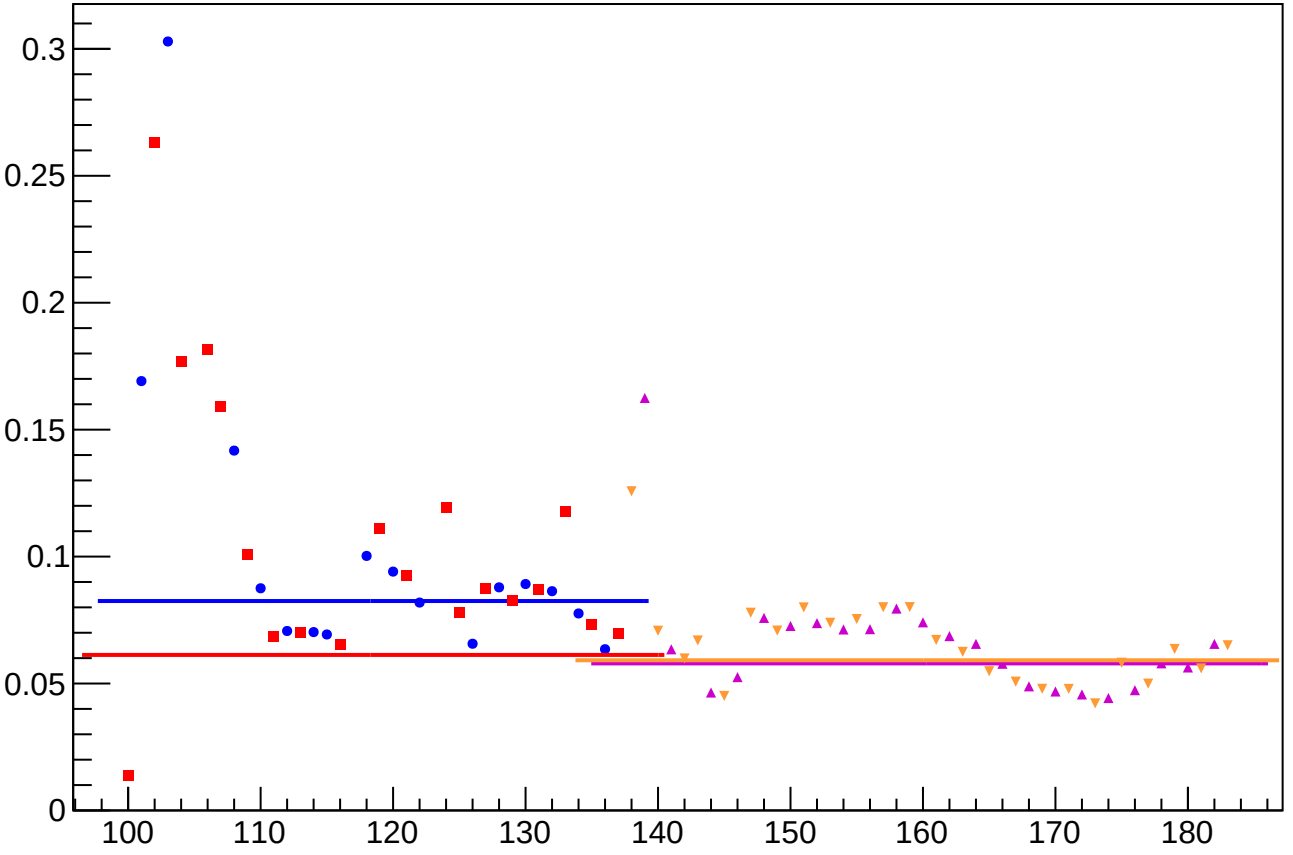
+ sign 0.110+/-0.000 χ^2/NDF: 2692855.2/39

All: 0.112+/-0.000 χ^2/NDF: 5737623.1/80

- sign 0.114+/-0.000 χ^2/NDF: 3015678.8/40


yield_sam3_mean vs Slug
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 30.585+/-0.000 χ²/NDF: 652266844.4/15
Left Out: 31.022+/-0.000 χ²/NDF:11866953625.6/23
Right Out: 20.224+/-0.000 χ²/NDF: 221262816636.2/18
Left In: 31.260+/-0.000 χ²/NDF:12585319946.9/21
+ sign 30.954+/-0.000 χ²/NDF: 12644440827.3/39
All: 29.923+/-0.000 χ²/NDF: 361392800899.
- sign 28.929+/-0.000 χ²/NDF: 338375260958.9/40

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.059+/-0.000 χ^2/NDF:1519894.9/23

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

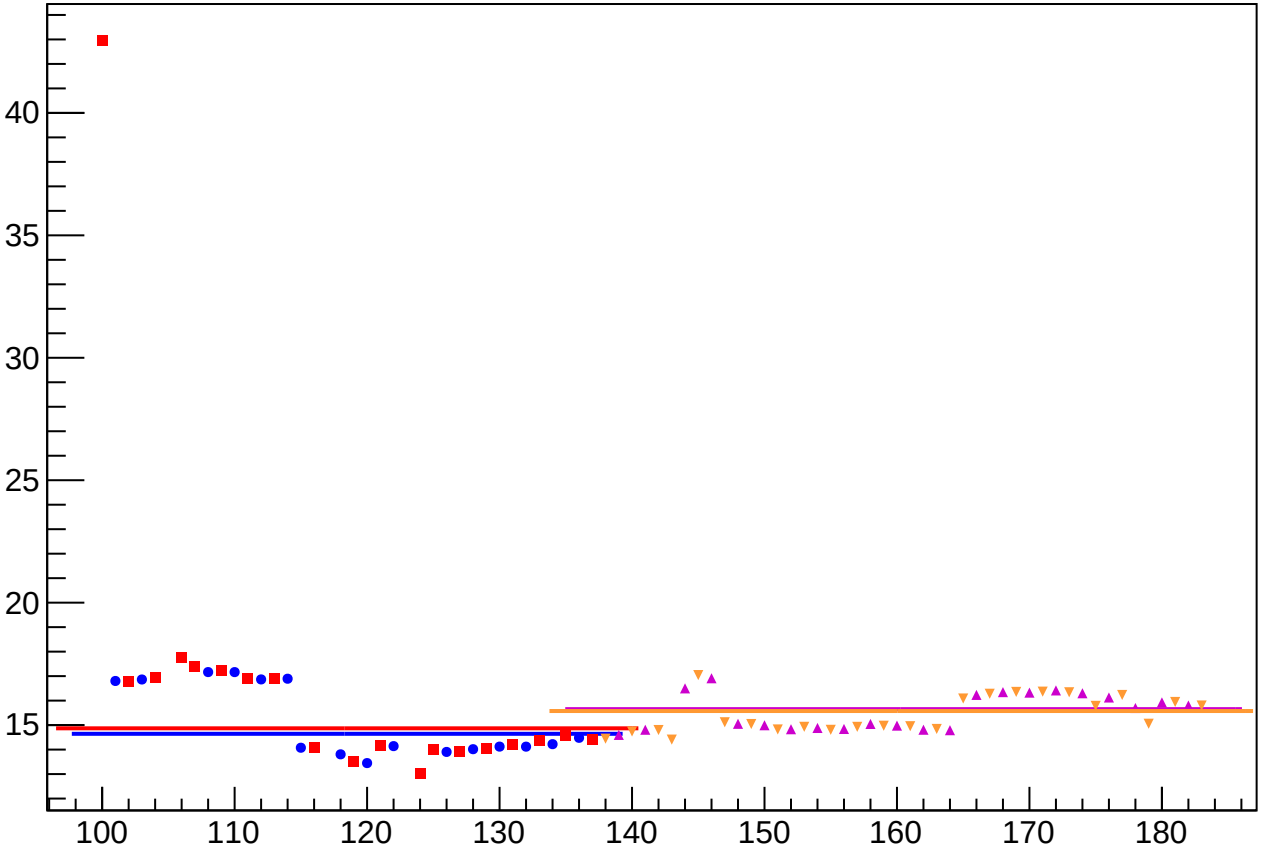
Left In: 0.058+/-0.000 χ^2/NDF:1714631.2/21

+ sign 0.063+/-0.000 χ^2/NDF: 3493528.6/39

All: 0.061+/-0.000 χ^2/NDF: 9329081.1/80

- sign 0.059+/-0.000 χ^2/NDF: 5748064.5/40

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.575+/-0.000 χ^2/NDF:2205070849.8/23

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

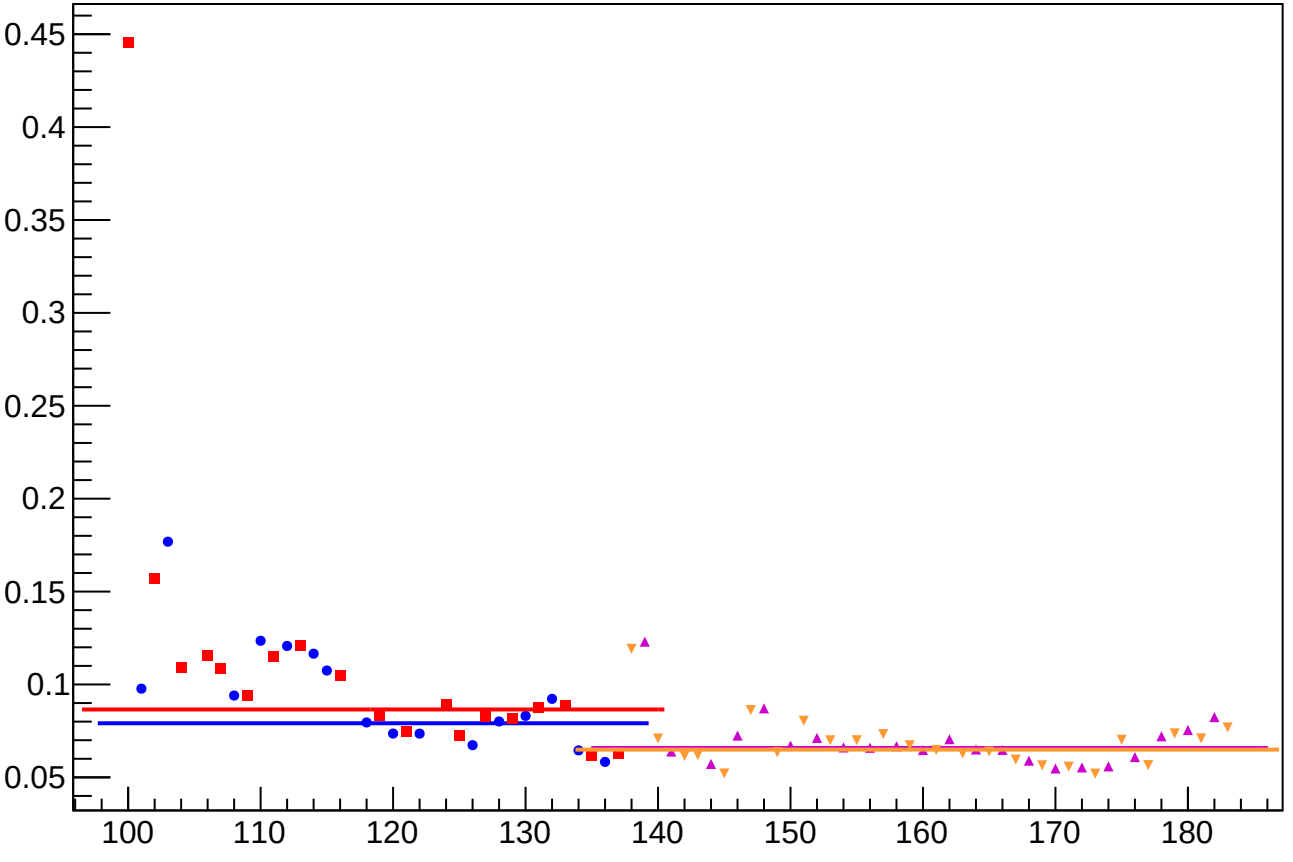
Left In: 15.652+/-0.000 χ^2/NDF:1845142902.5/21

+ sign 15.392+/-0.000 χ^2/NDF: 4051281621.8/39

All: 15.445+/-0.000 χ^2/NDF: 8064115680.8/8

- sign 15.504+/-0.000 χ^2/NDF: 3984038599.7/40

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.065+/-0.000 χ^2/NDF:843093.2/23

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

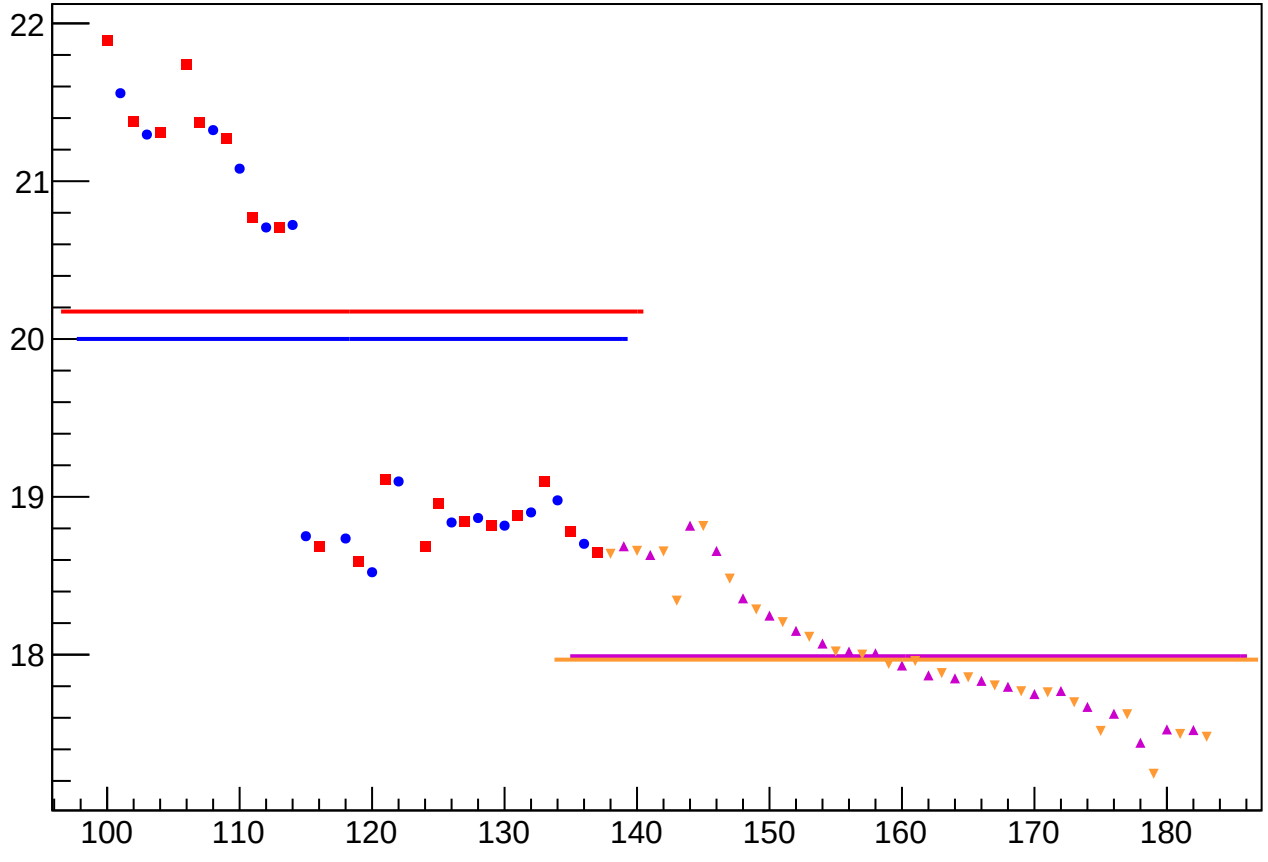
Left In: 0.066+/-0.000 χ^2/NDF:784183.6/21

+ sign 0.068+/-0.000 χ^2/NDF: 2064782.5/39

All: 0.069+/-0.000 χ^2/NDF: 4232988.2/80

- sign 0.070+/-0.000 χ^2/NDF: 2150219.6/40

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 17.969+/-0.000 χ^2/NDF:3008609799.9/23

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

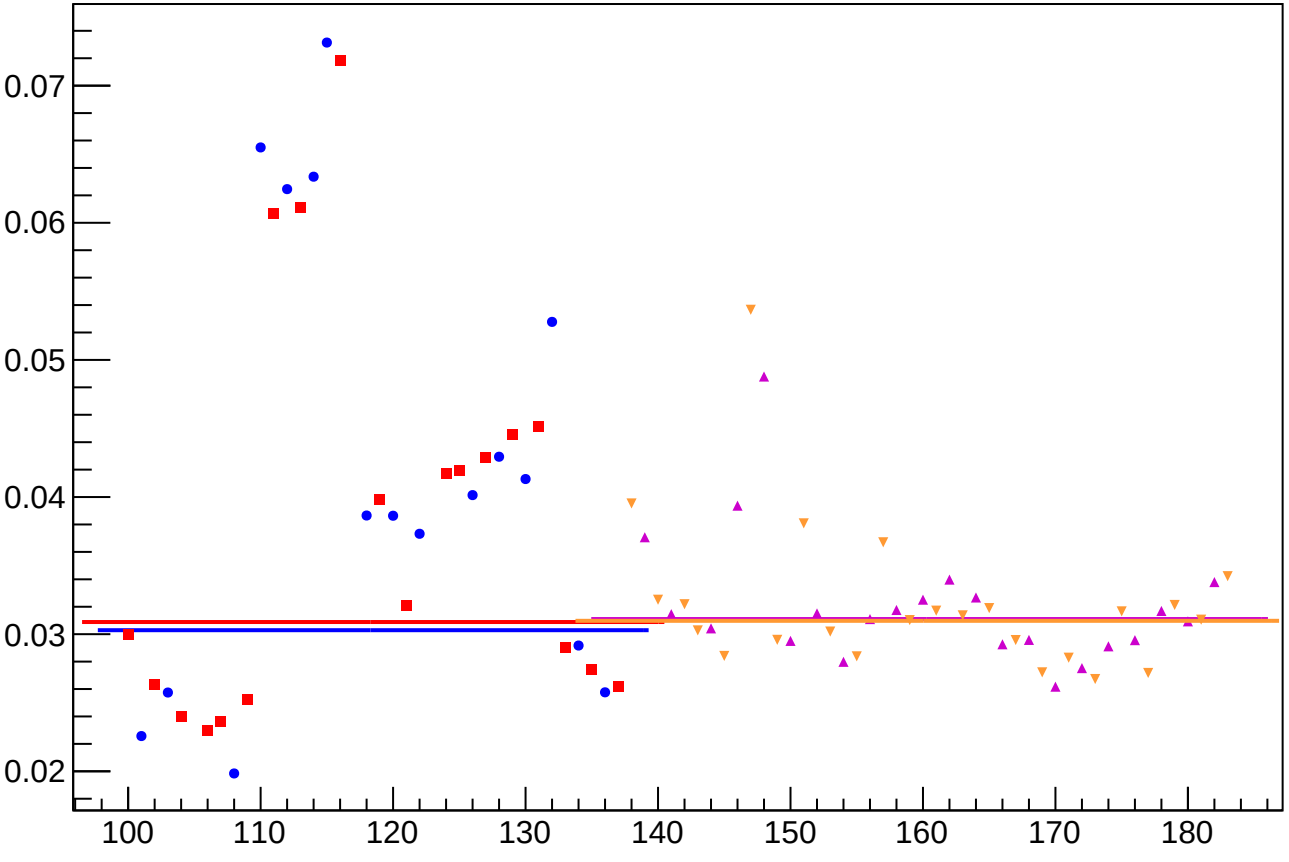
Left In: 17.990+/-0.000 χ^2/NDF:2599720196.3/21

+ sign 18.490+/-0.000 χ^2/NDF: 33834411314.9/39

All: 18.534+/-0.000 χ^2/NDF: 69663031607.3

- sign 18.580+/-0.000 χ^2/NDF: 35729387654.3/40

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:619505.8/23

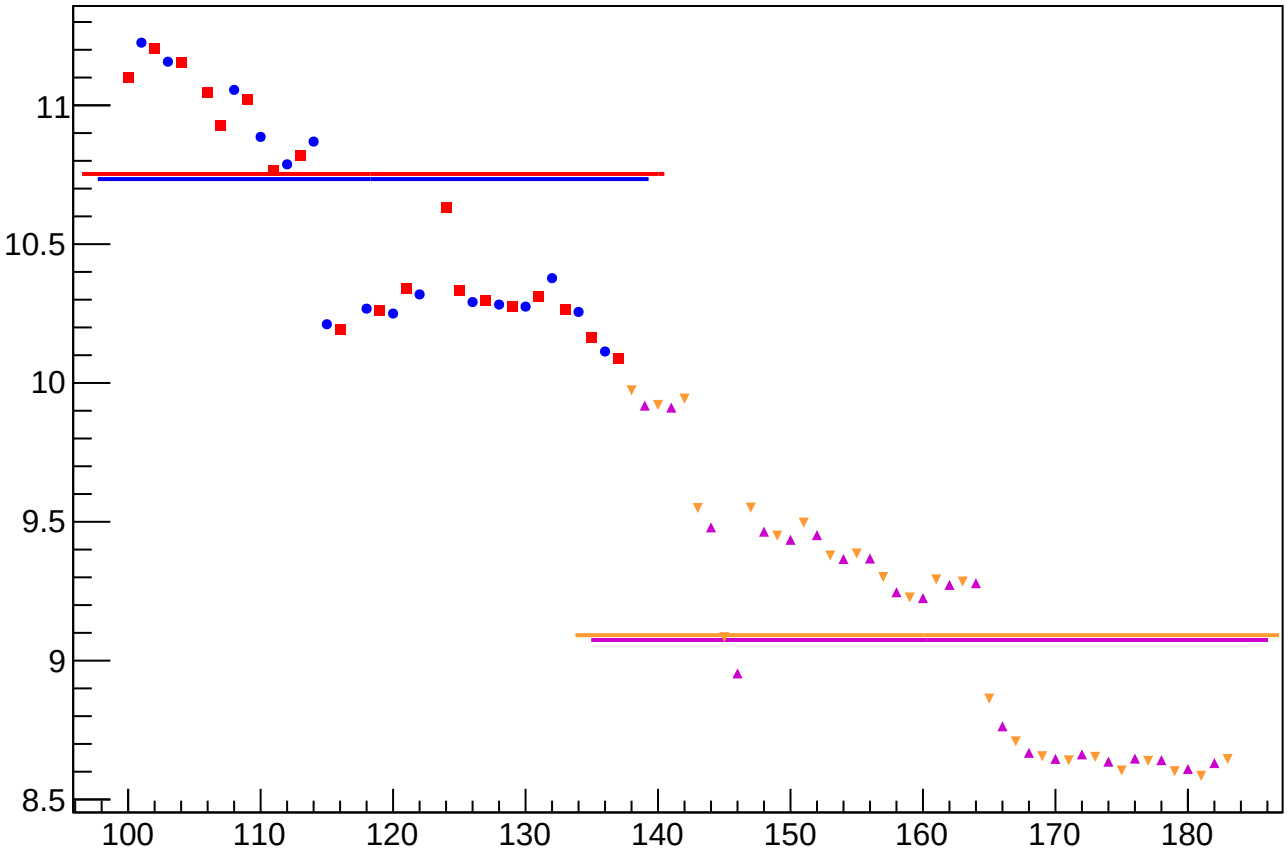
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:479814.5/21

+ sign 0.031+/-0.000 χ^2/NDF: 2071404.0/39

All: 0.031+/-0.000 χ^2/NDF: 3757883.7/80

- sign 0.031+/-0.000 χ^2/NDF: 1684988.7/40



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.092+/-0.000 χ^2/NDF:10065411466.4/23

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

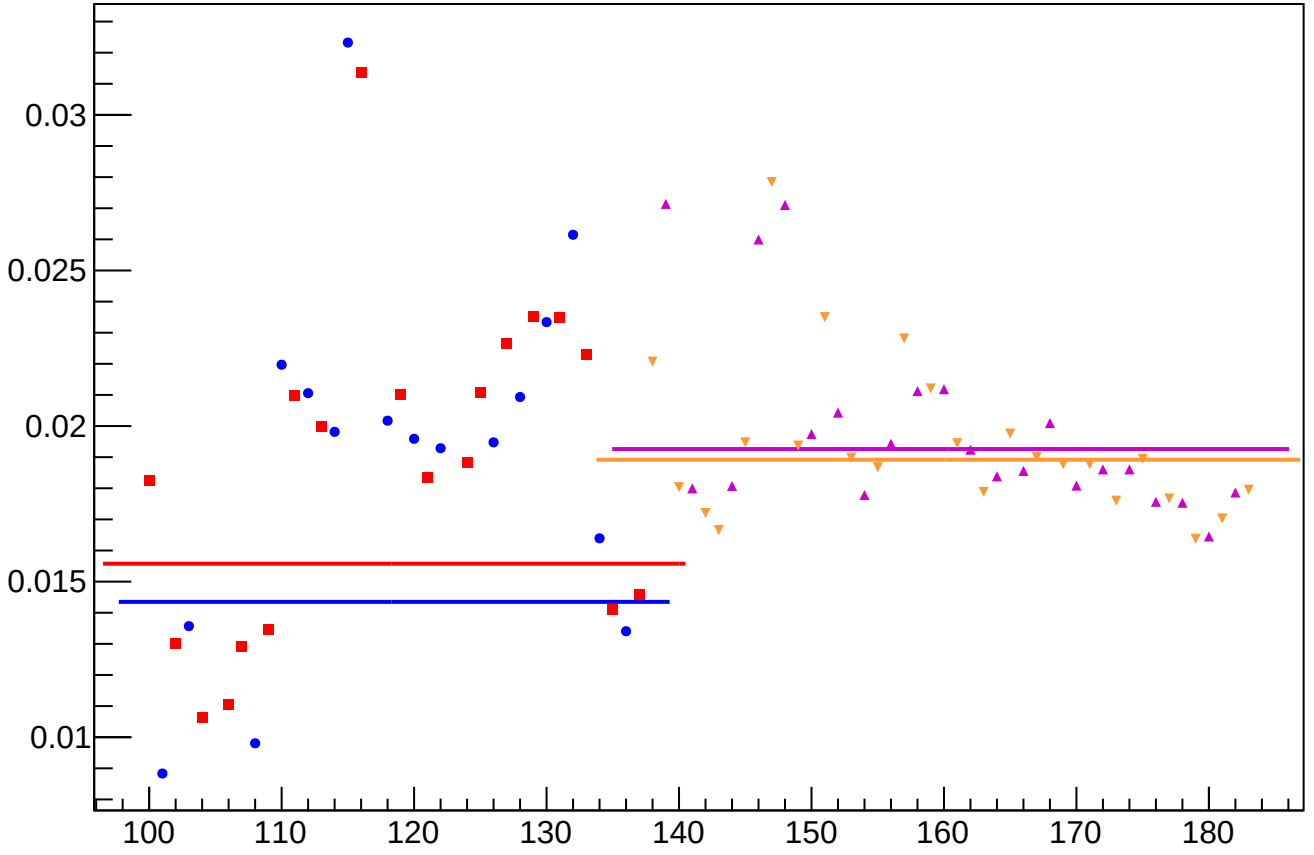
Left In: 9.074+/-0.000 χ^2/NDF:7891595145.0/21

+ sign 9.688+/-0.000 χ^2/NDF: 63418081648.8/39

All: 9.689+/-0.000 χ^2/NDF: 121114141132.0

- sign 9.691+/-0.000 χ^2/NDF: 57695675867.6/40

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:437952.5/23

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

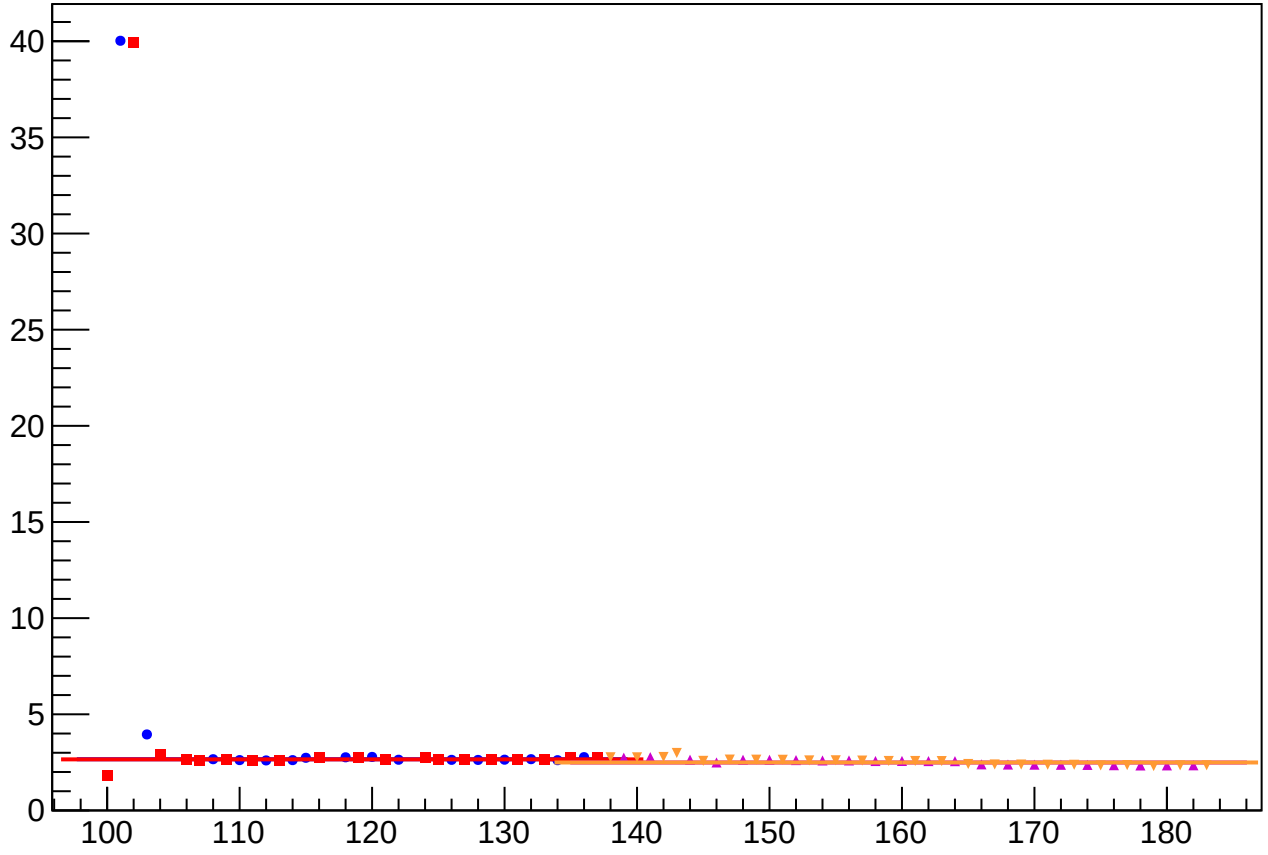
Left In: 0.019+/-0.000 χ^2/NDF:536862.7/21

+ sign 0.017+/-0.000 χ^2/NDF: 2654308.1/39

All: 0.018+/-0.000 χ^2/NDF: 4731679.4/80

- sign 0.018+/-0.000 χ^2/NDF: 2046977.5/40

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.495+/-0.000 χ^2/NDF:91036582586.4/23

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

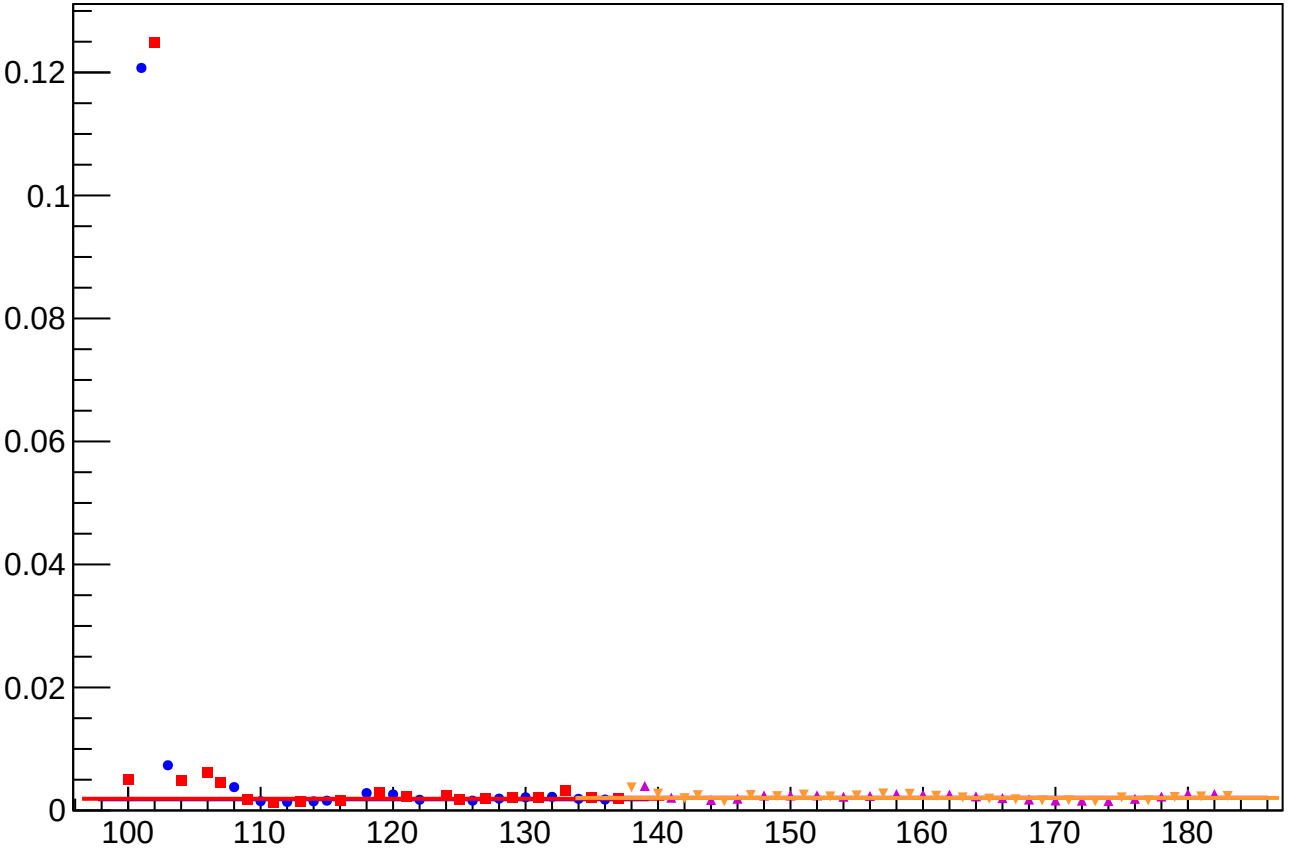
Left In: 2.492+/-0.000 χ^2/NDF:59183400284.4/21

+ sign 2.542+/-0.000 χ^2/NDF: 188578237767.6/39

All: 2.541+/-0.000 χ^2/NDF: 339639068007.7

- sign 2.540+/-0.000 χ^2/NDF: 151051980241.9/40

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1502138.3/23

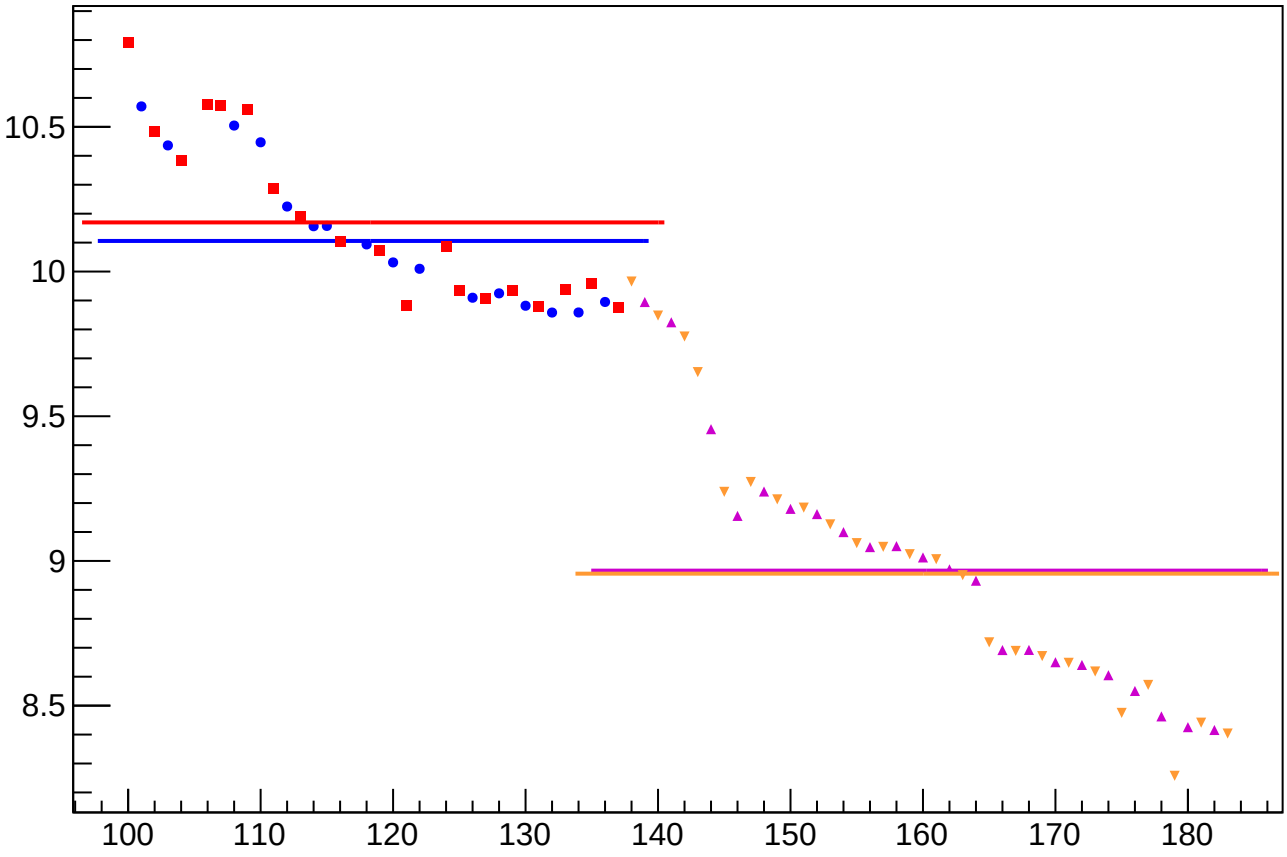
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1400429.9/21

+ sign 0.002+/-0.000 χ^2/NDF: 3429036.7/39

All: 0.002+/-0.000 χ^2/NDF: 7420900.0/80

- sign 0.002+/-0.000 χ^2/NDF: 3982616.0/40



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 8.956+/-0.000 χ^2/NDF:63703067842.7/23

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

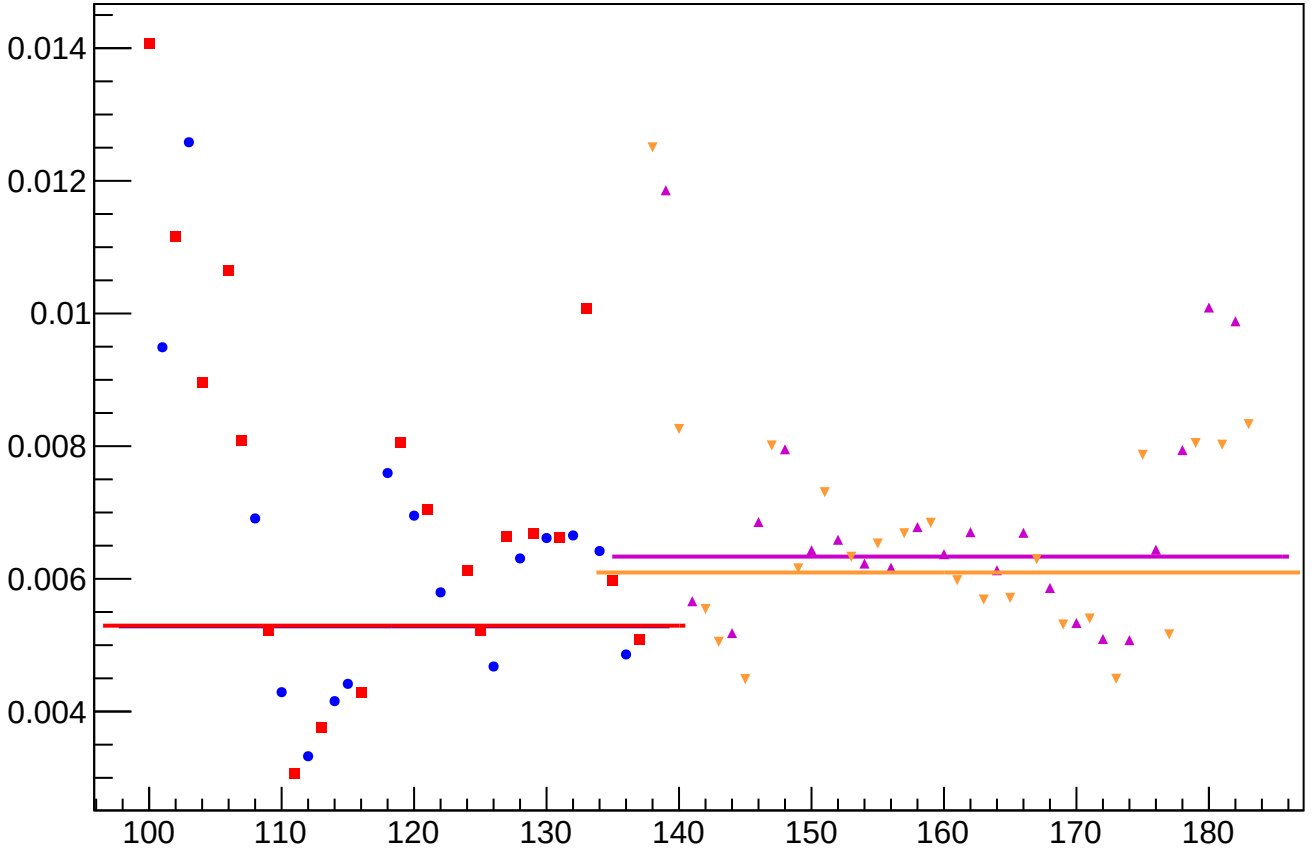
Left In: 8.966+/-0.000 χ^2/NDF:48764809817.6/21

+ sign 9.328+/-0.000 χ^2/NDF: 245891207743.3/39

All: 9.360+/-0.000 χ^2/NDF: 488755979966.7

- sign 9.394+/-0.000 χ^2/NDF: 241579239990.9/40

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1408307.2/23

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

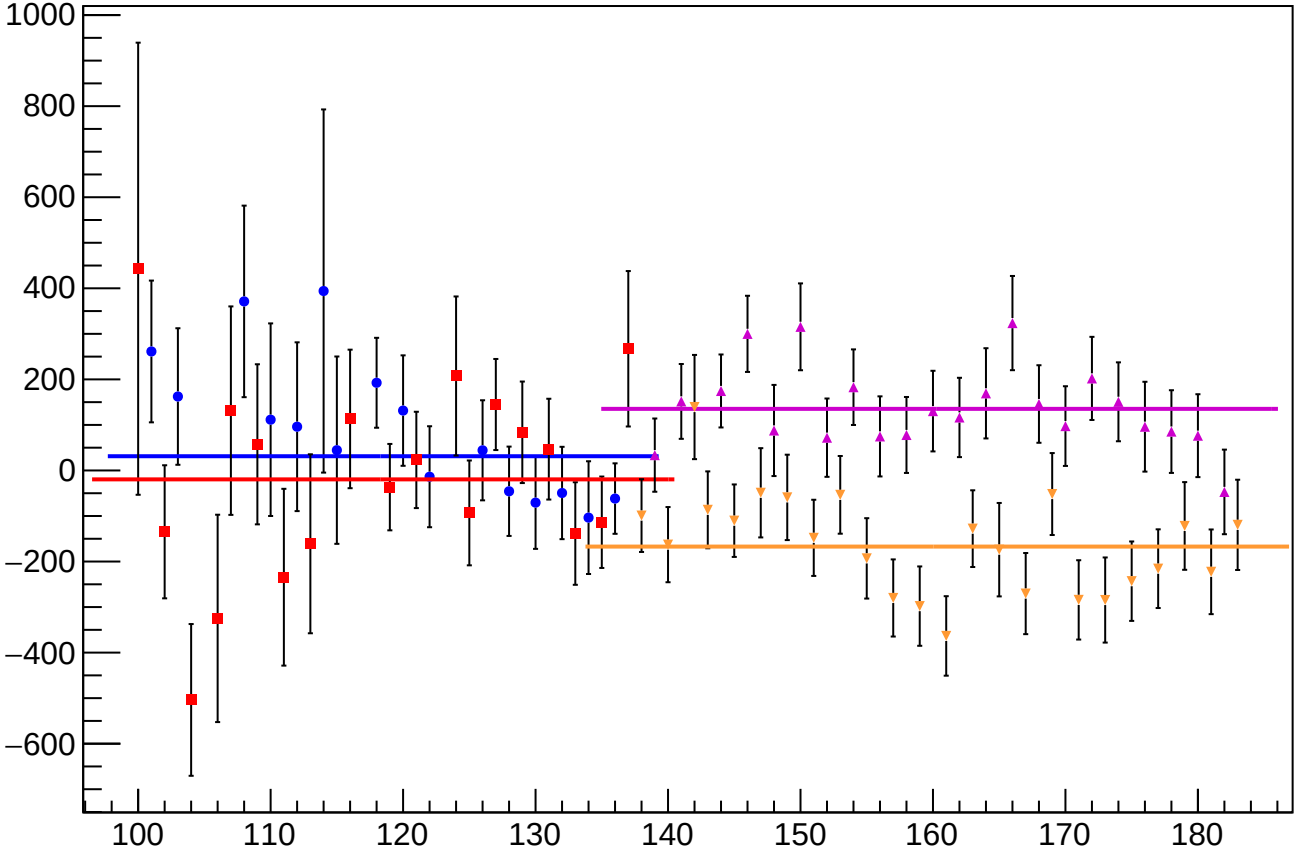
Left In: 0.006+/-0.000 χ^2/NDF:1174433.6/21

+ sign 0.006+/-0.000 χ^2/NDF: 2854757.2/39

All: 0.006+/-0.000 χ^2/NDF: 6106501.6/80

- sign 0.006+/-0.000 χ^2/NDF: 3241808.0/40

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -167.160+/-18.168 χ^2/NDF:31.6/23

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

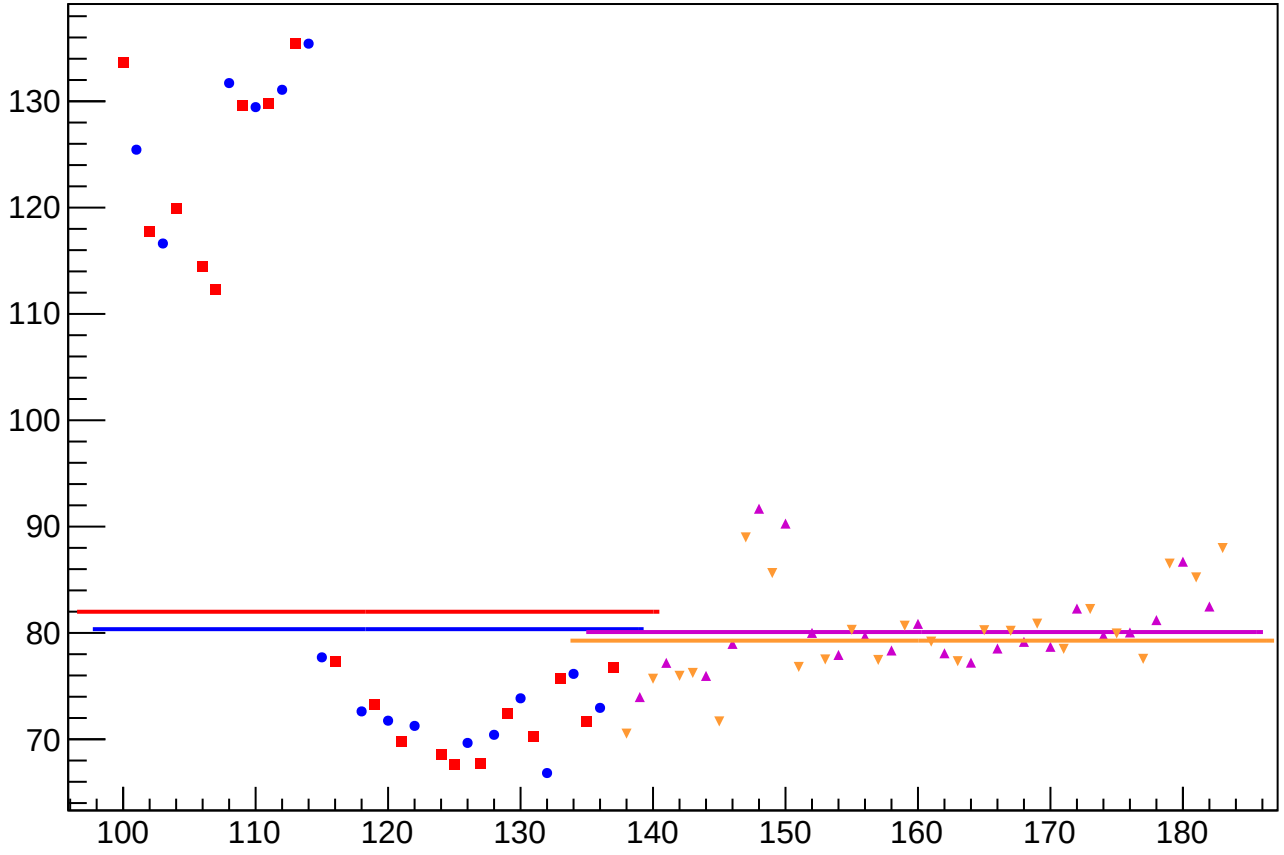
Left In: 135.261+/-18.892 χ^2/NDF:20.4/21

+ sign -115.911+/-15.647 χ^2/NDF: 77.5/39

All: -14.484+/-11.234 χ^2/NDF: 228.6/80

- sign 93.447+/-16.140 χ^2/NDF: 64.4/40

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 79.275+/-0.013 χ^2/NDF:123474.9/23

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

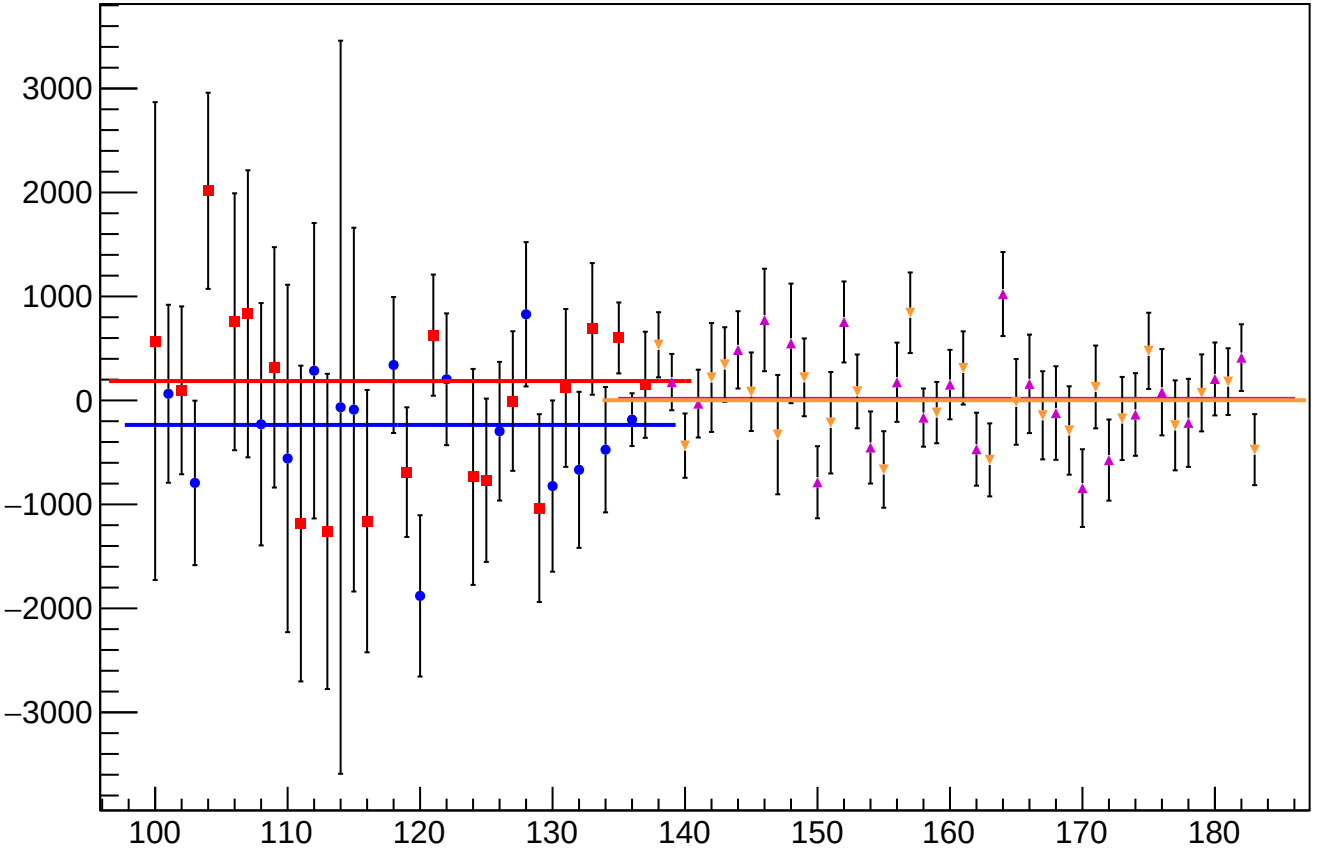
Left In: 80.084+/-0.013 χ^2/NDF:89197.0/21

+ sign 79.554+/-0.011 χ^2/NDF: 965336.0/39

All: 80.060+/-0.008 χ^2/NDF: 1996713.6/80

- sign 80.599+/-0.011 χ^2/NDF: 1027050.4/40

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 1.957+/-76.468 χ^2/NDF:23.7/23

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

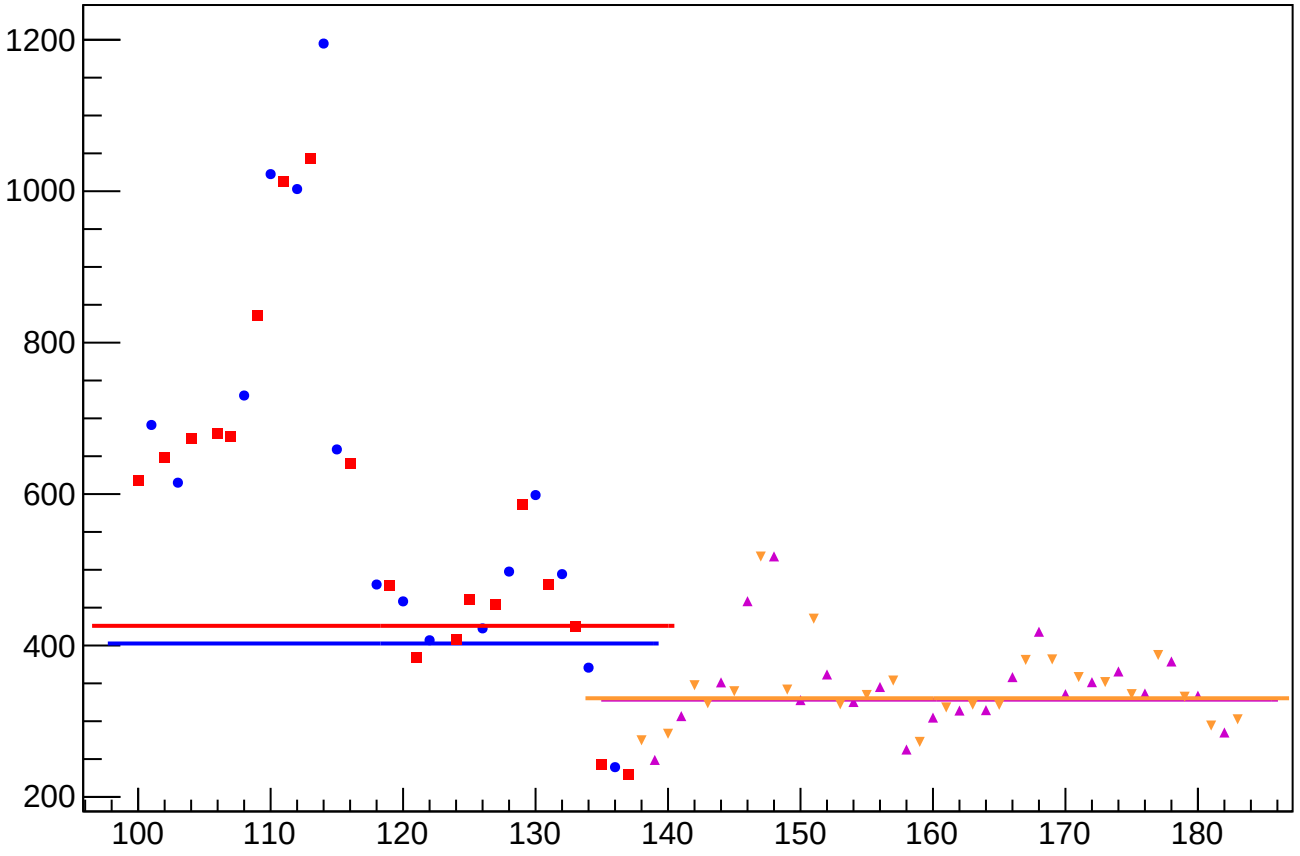
Left In: 14.955+/-78.529 χ^2/NDF:34.9/21

\+ sign -40.552+/-69.287 χ^2/NDF: 35.4/39

All: 1.001+/-49.696 χ^2/NDF: 87.8/80

\- sign 45.028+/-71.319 χ^2/NDF: 51.7/40

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 330.326+/-0.054 χ^2/NDF:656460.5/23

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

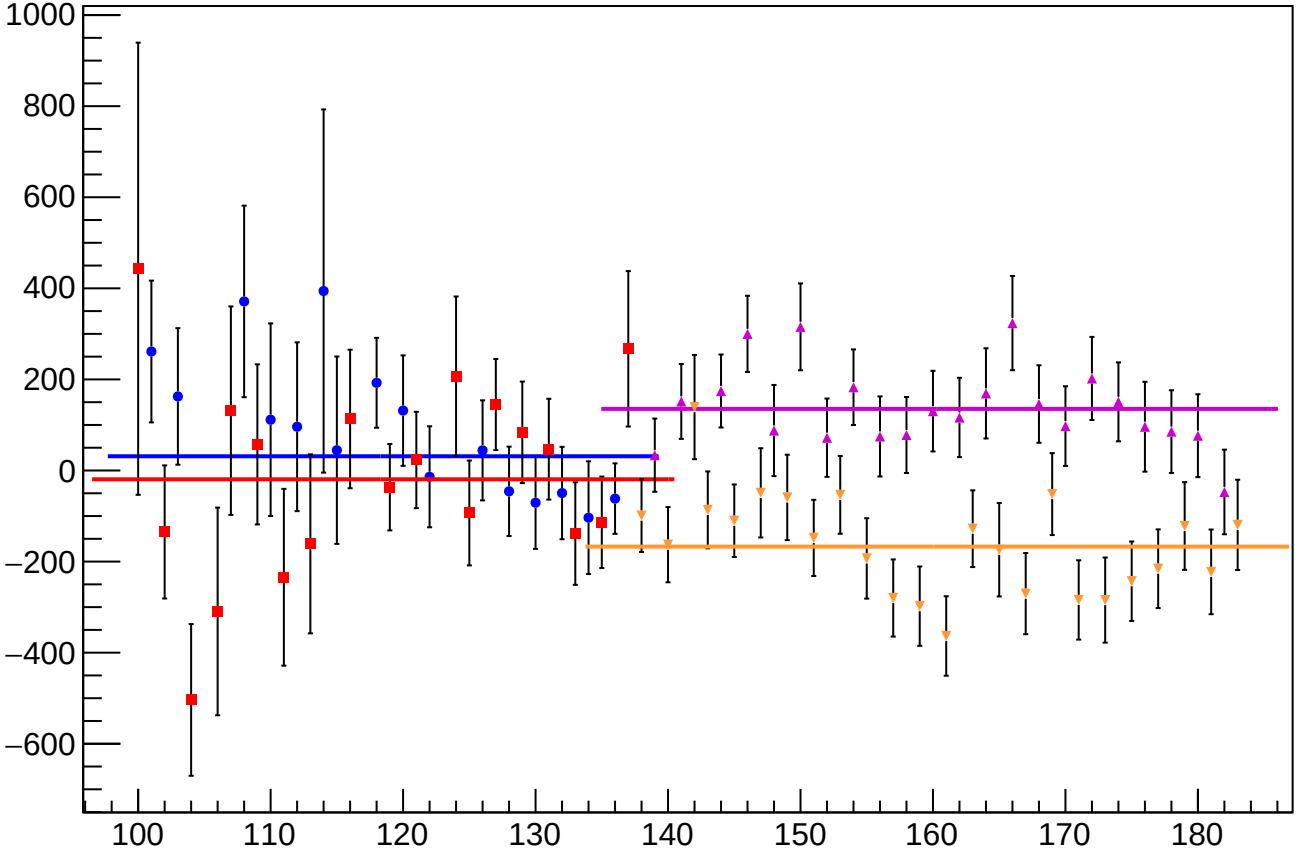
Left In: 328.495+/-0.056 χ^2/NDF:868897.1/21

+ sign 343.273+/-0.049 χ^2/NDF: 3336878.5/39

All: 344.390+/-0.035 χ^2/NDF: 7115580.3/80

- sign 345.573+/-0.050 χ^2/NDF: 3777631.6/40

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -167.157+/-18.168 χ^2/NDF:31.6/23

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

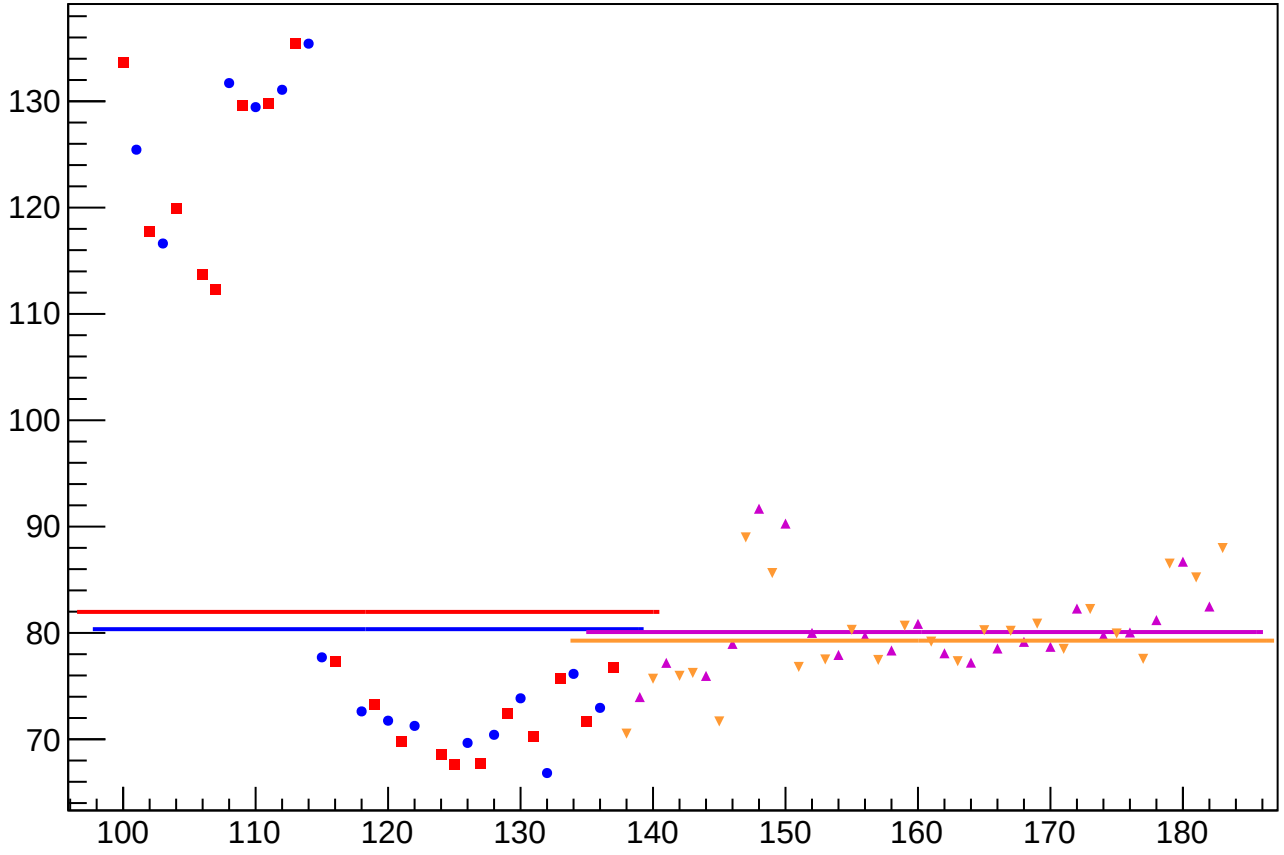
Left In: 135.267+/-18.892 χ^2/NDF:20.4/21

+ sign -115.906+/-15.647 χ^2/NDF: 77.5/39

All: -14.441+/-11.234 χ^2/NDF: 228.4/80

- sign 93.531+/-16.140 χ^2/NDF: 64.1/40

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 79.275+/-0.013 χ^2/NDF:123474.9/23

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

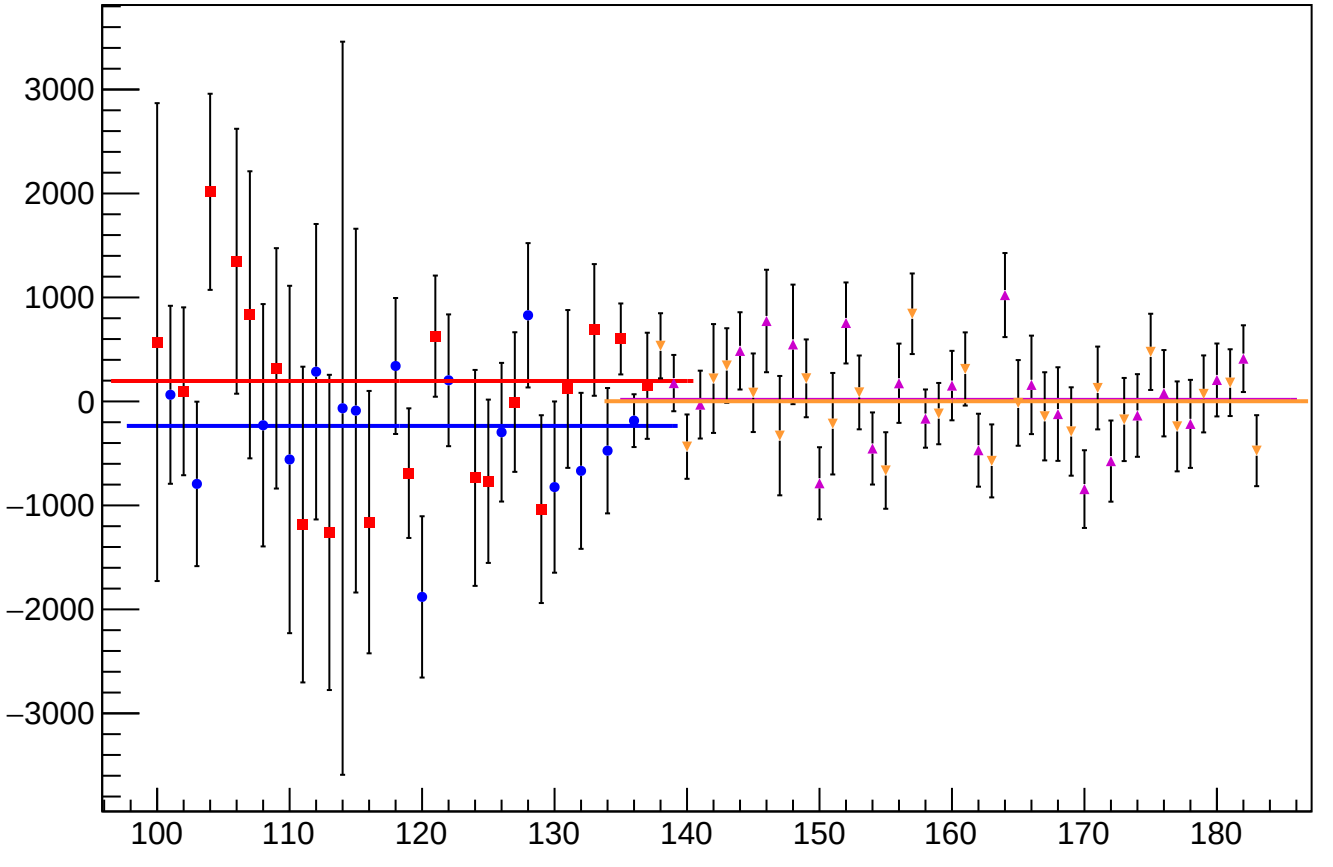
Left In: 80.084+/-0.013 χ^2/NDF:89197.0/21

+ sign 79.554+/-0.011 χ^2/NDF: 965336.2/39

All: 80.058+/-0.008 χ^2/NDF: 1994722.0/80

- sign 80.595+/-0.011 χ^2/NDF: 1025092.4/40

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 1.958+/-76.468 χ^2/NDF:23.7/23

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

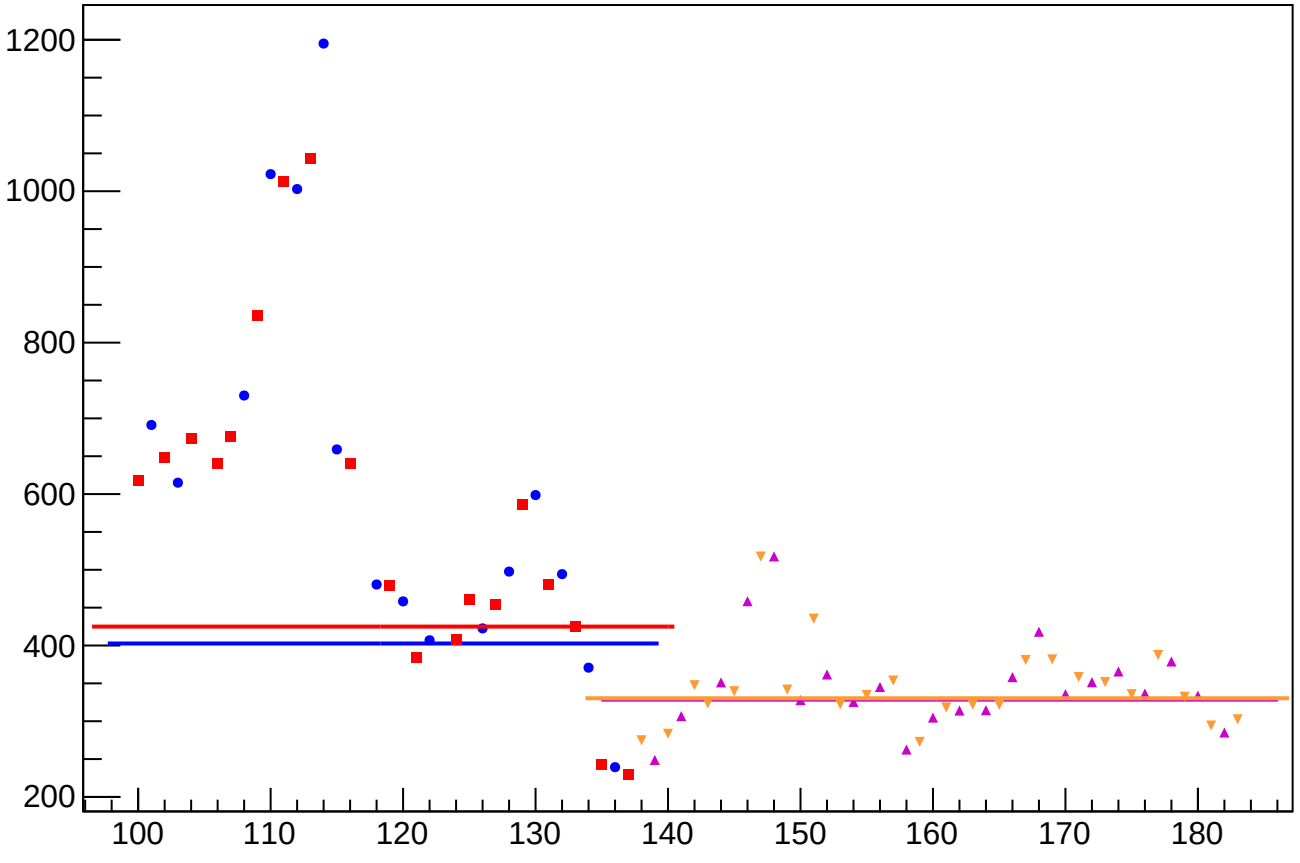
Left In: 14.960+/-78.529 χ^2/NDF:34.9/21

\+ sign -40.551+/-69.287 χ^2/NDF: 35.4/39

All: 1.832+/-49.699 χ^2/NDF: 88.6/80

\- sign 46.748+/-71.326 χ^2/NDF: 52.4/40

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 330.326+/-0.054 χ^2/NDF:656468.9/23

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

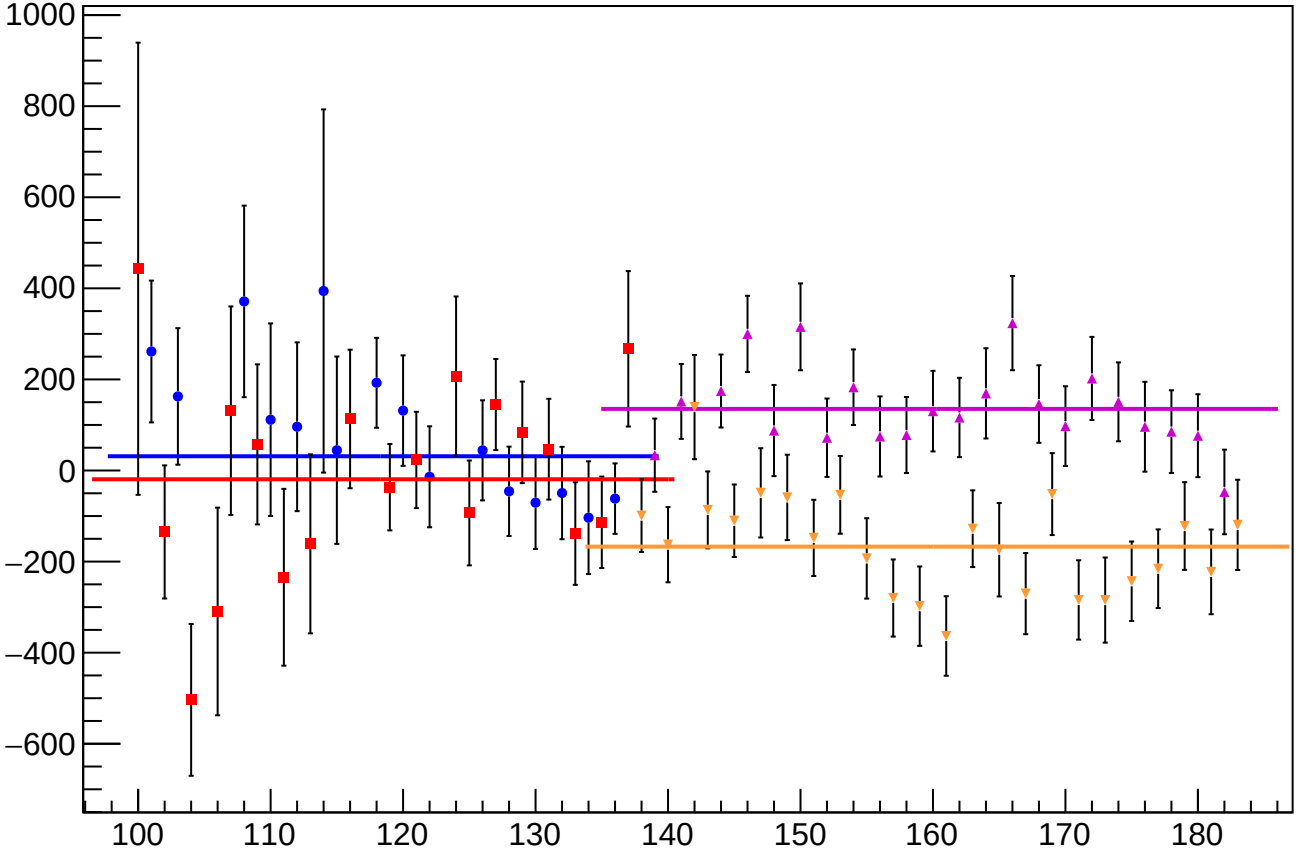
Left In: 328.495+/-0.056 χ^2/NDF:868894.1/21

+ sign 343.273+/-0.049 χ^2/NDF: 3336884.7/39

All: 344.298+/-0.035 χ^2/NDF: 7076213.2/80

- sign 345.384+/-0.050 χ^2/NDF: 3738427.5/40

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -167.157+/-18.168 χ^2/NDF:31.6/23

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

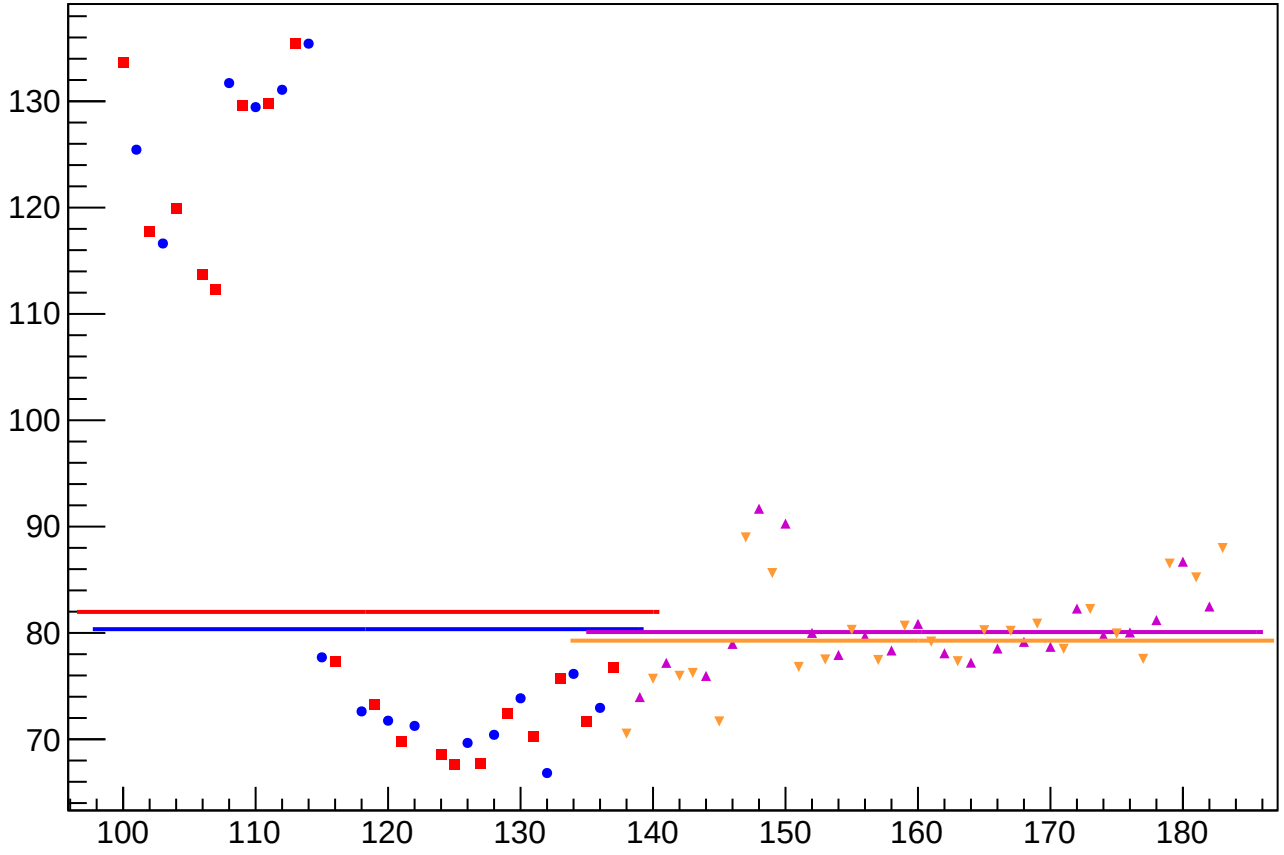
Left In: 135.267+/-18.892 χ^2/NDF:20.4/21

+ sign -115.906+/-15.647 χ^2/NDF: 77.5/39

All: -14.441+/-11.234 χ^2/NDF: 228.4/80

- sign 93.531+/-16.140 χ^2/NDF: 64.1/40

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 79.275+/-0.013 χ^2/NDF:123474.9/23

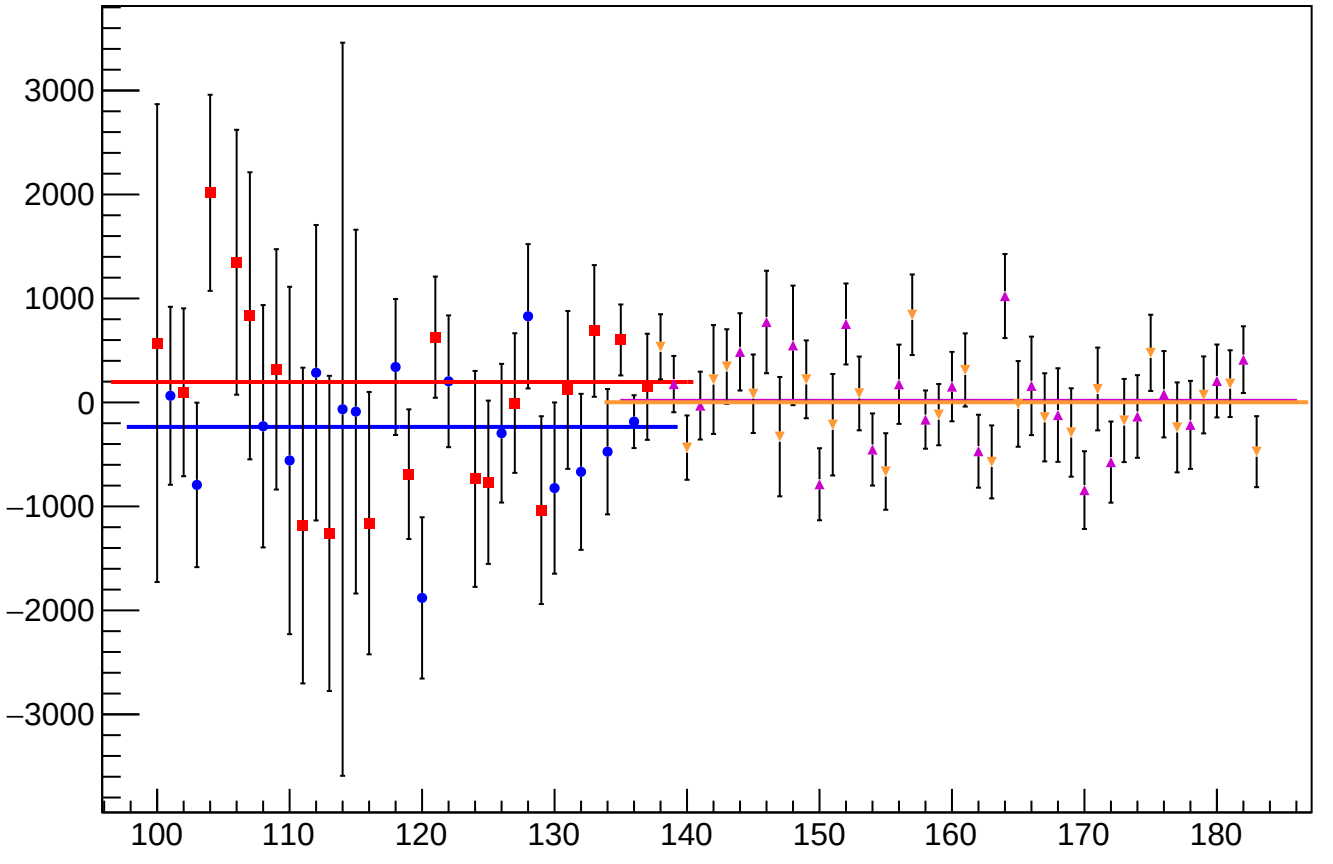
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.084+/-0.013 χ^2/NDF:89197.0/21

+ sign 79.554+/-0.011 χ^2/NDF: 965336.2/39

All: 80.058+/-0.008 χ^2/NDF: 1994722.0/80

- sign 80.595+/-0.011 χ^2/NDF: 1025092.4/40



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 1.958+/-76.468 χ^2/NDF:23.7/23

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

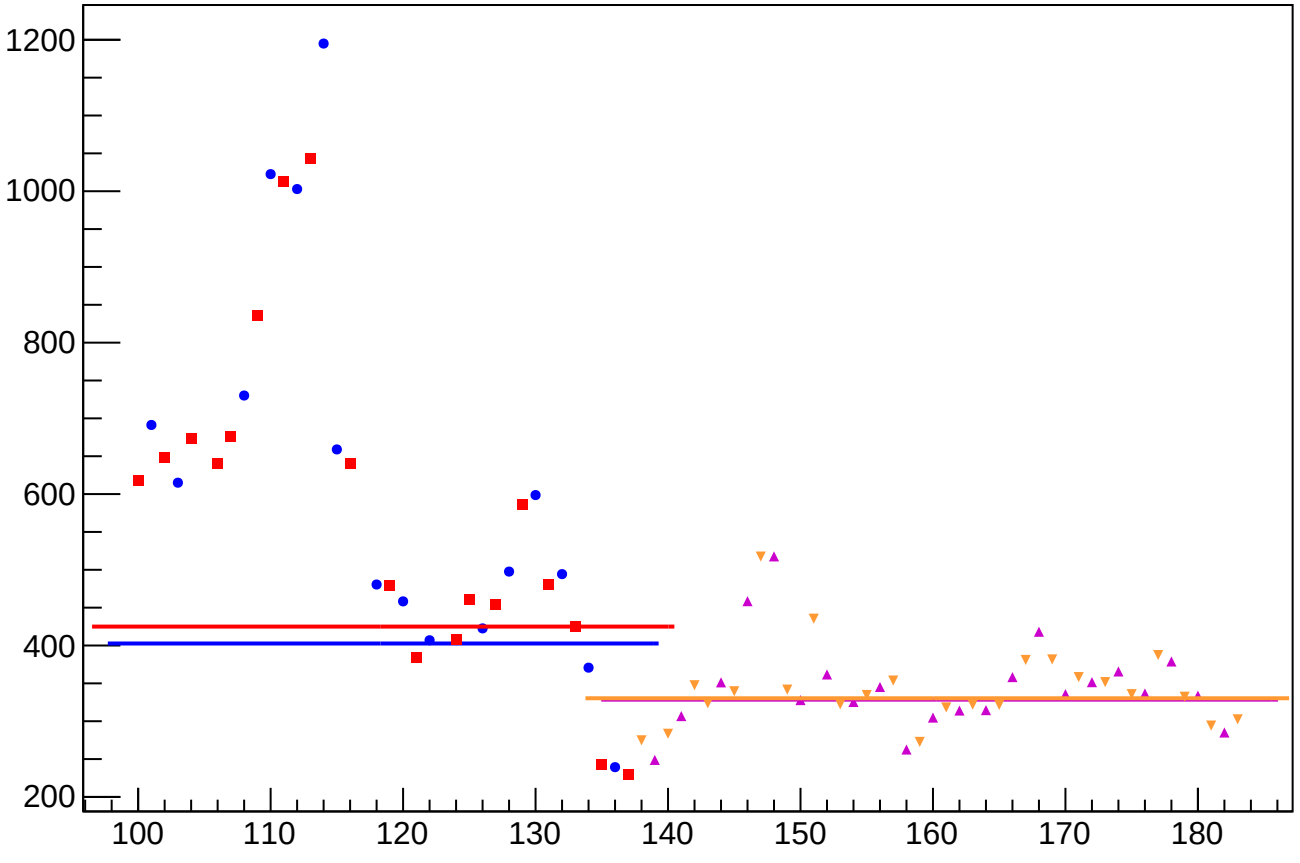
Left In: 14.960+/-78.529 χ^2/NDF:34.9/21

\+ sign -40.551+/-69.287 χ^2/NDF: 35.4/39

All: 1.832+/-49.699 χ^2/NDF: 88.6/80

\- sign 46.748+/-71.326 χ^2/NDF: 52.4/40

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 330.326+/-0.054 χ^2/NDF:656468.9/23

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

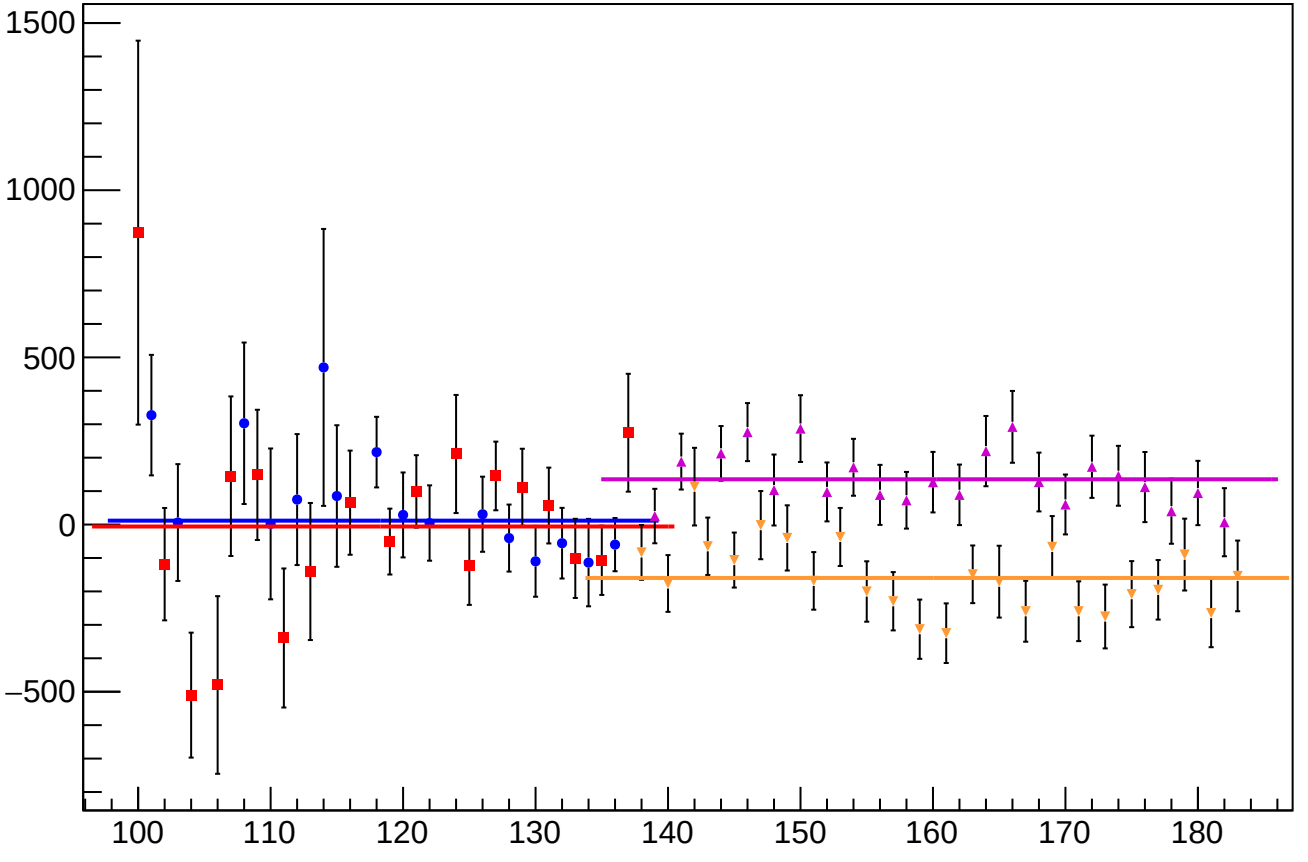
Left In: 328.495+/-0.056 χ^2/NDF:868894.1/21

+ sign 343.273+/-0.049 χ^2/NDF: 3336884.7/39

All: 344.298+/-0.035 χ^2/NDF: 7076213.2/80

- sign 345.384+/-0.050 χ^2/NDF: 3738427.5/40

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.742+/-18.844 χ^2/NDF:28.1/23

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

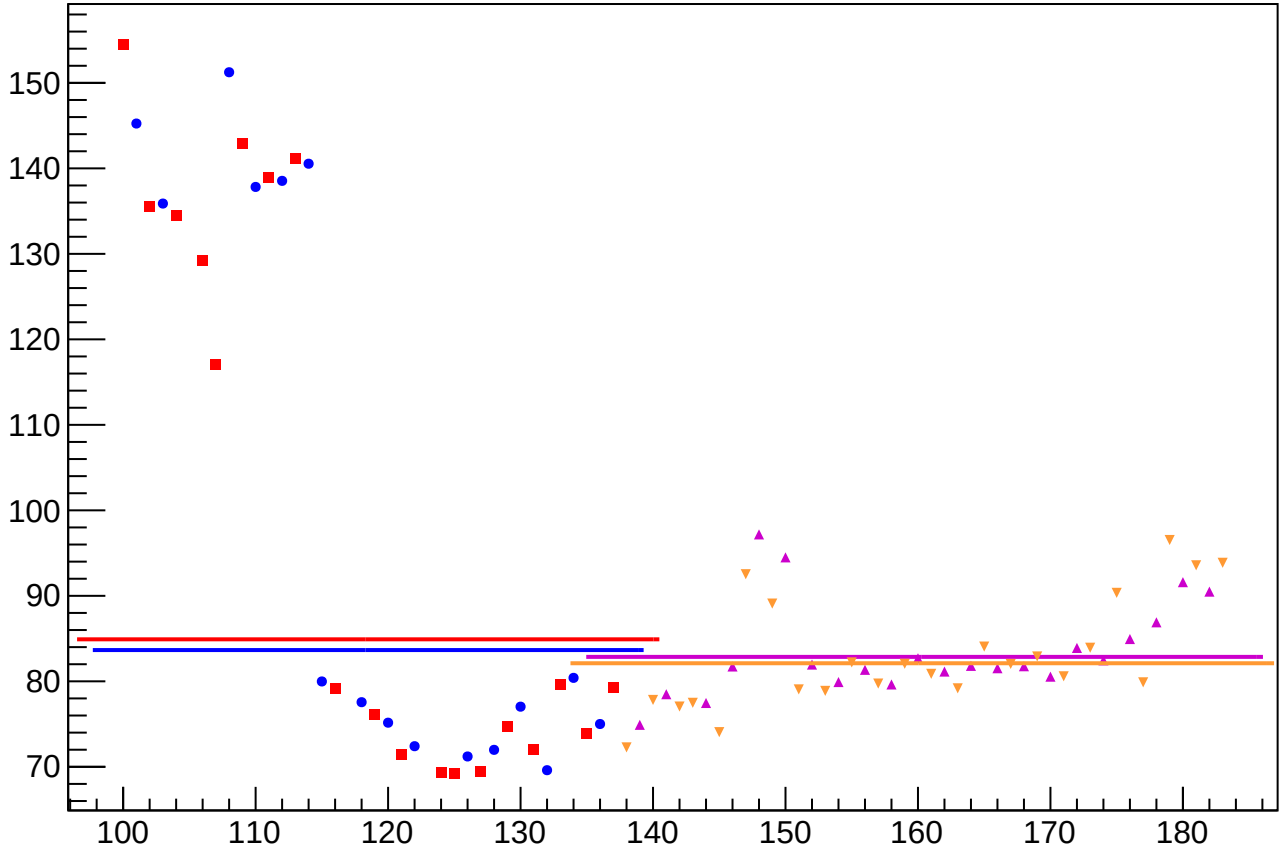
Left In: 135.363+/-19.568 χ^2/NDF:16.1/21

+ sign -116.214+/-16.276 χ^2/NDF: 62.6/39

All: -12.363+/-11.675 χ^2/NDF: 205.2/80

- sign 97.705+/-16.756 χ^2/NDF: 58.7/40

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 82.114+/-0.013 χ^2/NDF:206582.7/23

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

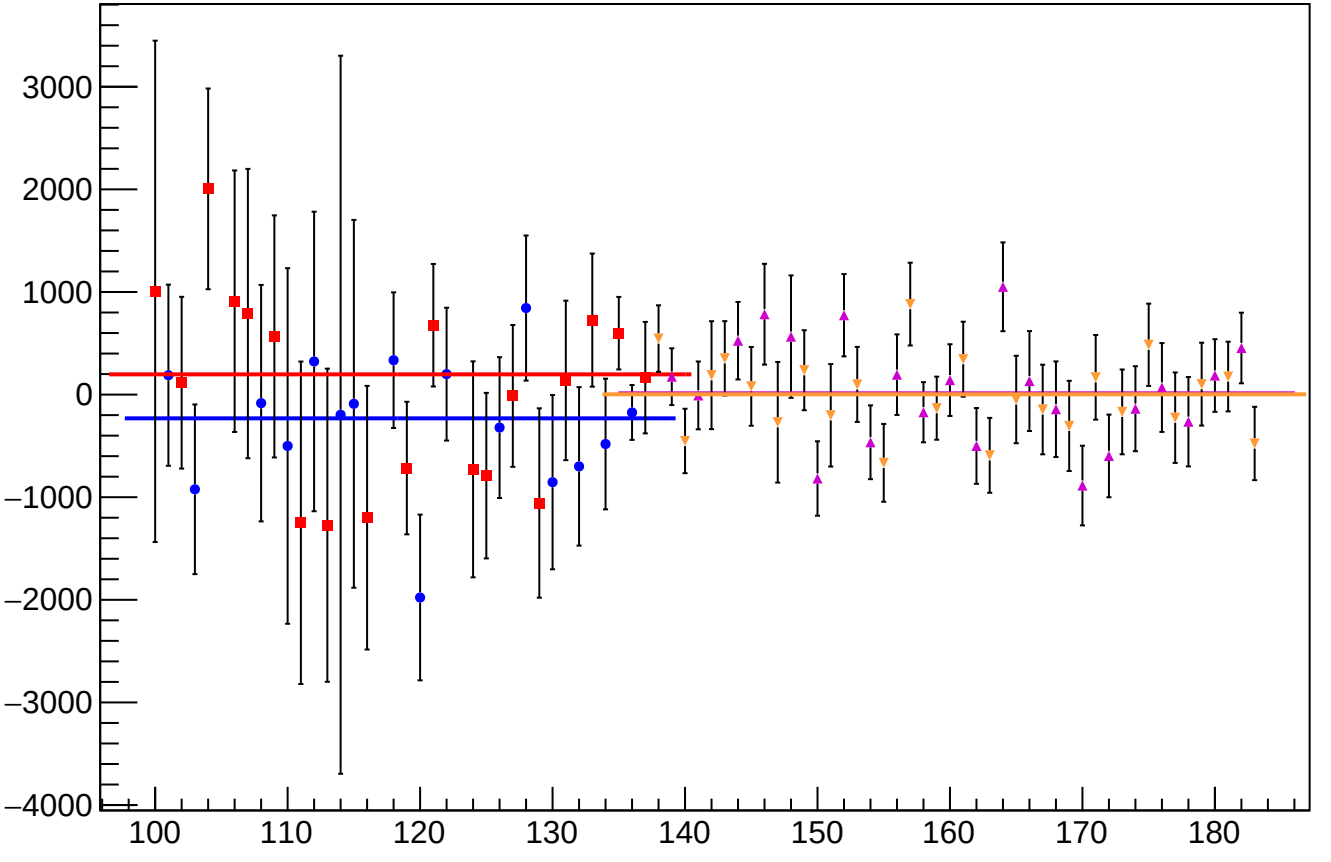
Left In: 82.860+/-0.014 χ^2/NDF:138416.5/21

+ sign 82.506+/-0.012 χ^2/NDF: 1244782.6/39

All: 82.944+/-0.008 χ^2/NDF: 2513720.9/80

- sign 83.407+/-0.012 χ^2/NDF: 1265960.8/40

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 2.899+/-79.302 χ^2/NDF:23.2/23

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

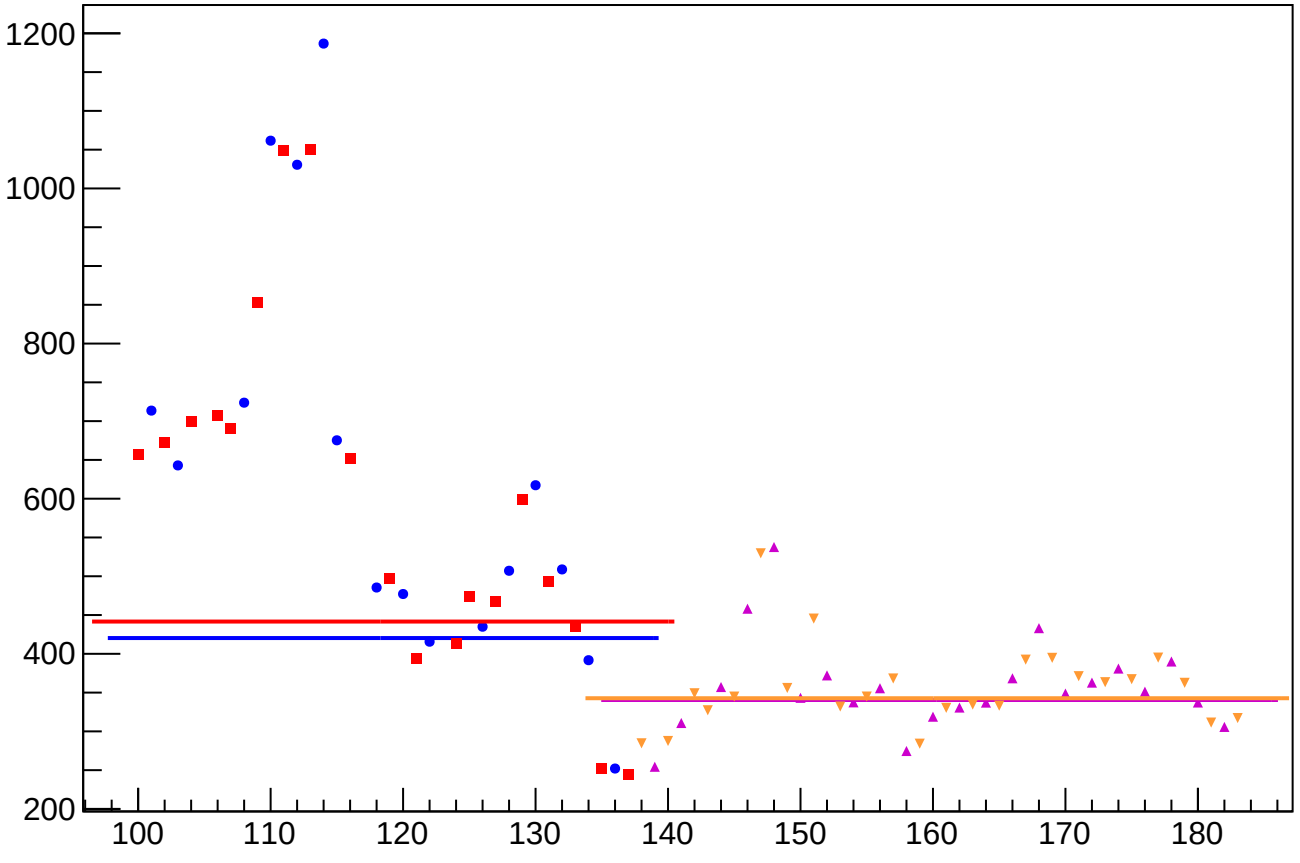
Left In: 12.528+/-81.319 χ^2/NDF:34.8/21

+ sign -38.922+/-71.877 χ^2/NDF: 35.2/39

All: 1.911+/-51.500 χ^2/NDF: 87.4/80

- sign 44.990+/-73.827 χ^2/NDF: 51.6/40

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 342.735+/-0.056 χ^2/NDF:642175.0/23

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

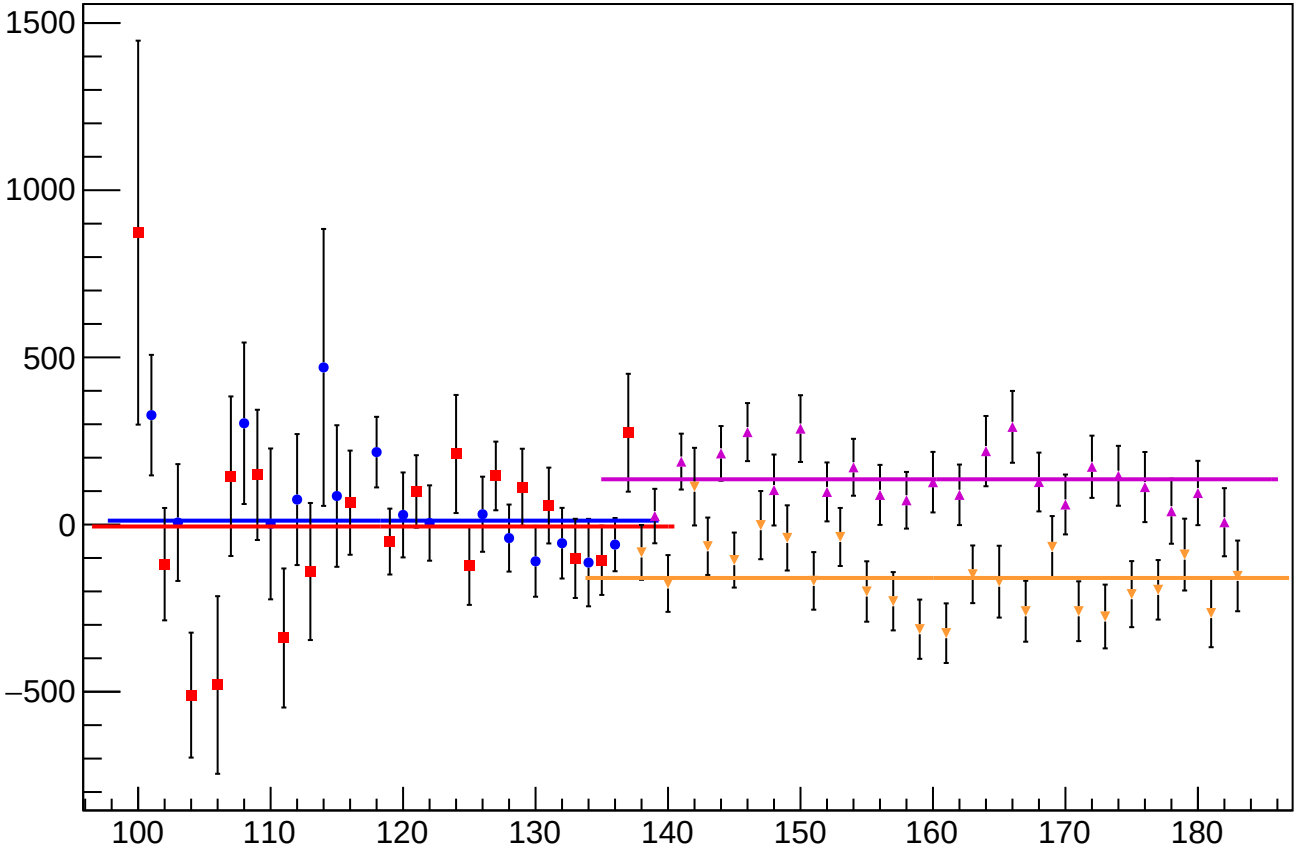
Left In: 340.463+/-0.058 χ^2/NDF:832174.3/21

+ sign 356.585+/-0.051 χ^2/NDF: 3238550.1/39

All: 357.390+/-0.036 χ^2/NDF: 6922579.3/80

- sign 358.240+/-0.052 χ^2/NDF: 3683513.0/40

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -159.742+/-18.844 χ^2/NDF:28.1/23

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

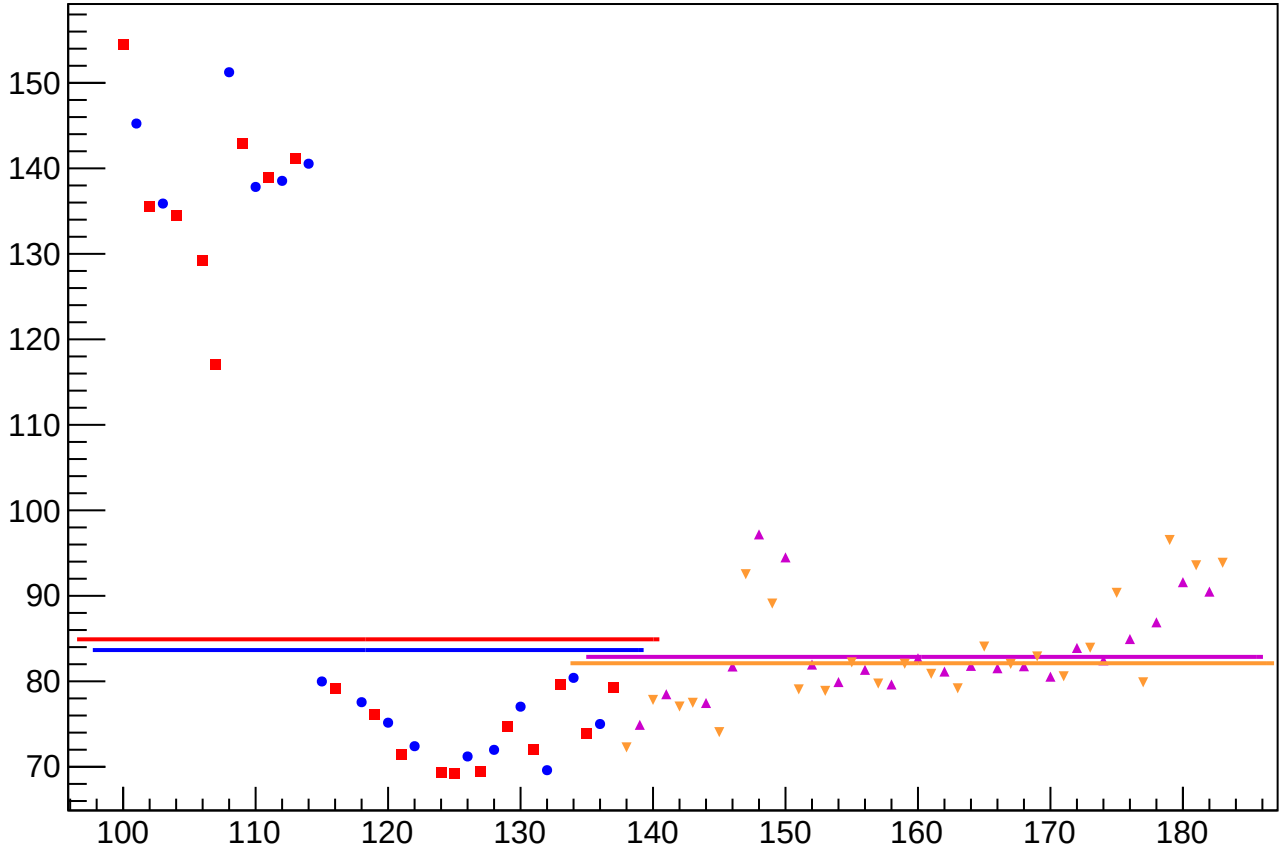
Left In: 135.363+/-19.568 χ^2/NDF:16.1/21

+ sign -116.214+/-16.276 χ^2/NDF: 62.6/39

All: -12.363+/-11.675 χ^2/NDF: 205.2/80

- sign 97.705+/-16.756 χ^2/NDF: 58.7/40

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 82.114+/-0.013 χ^2/NDF:206582.8/23

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

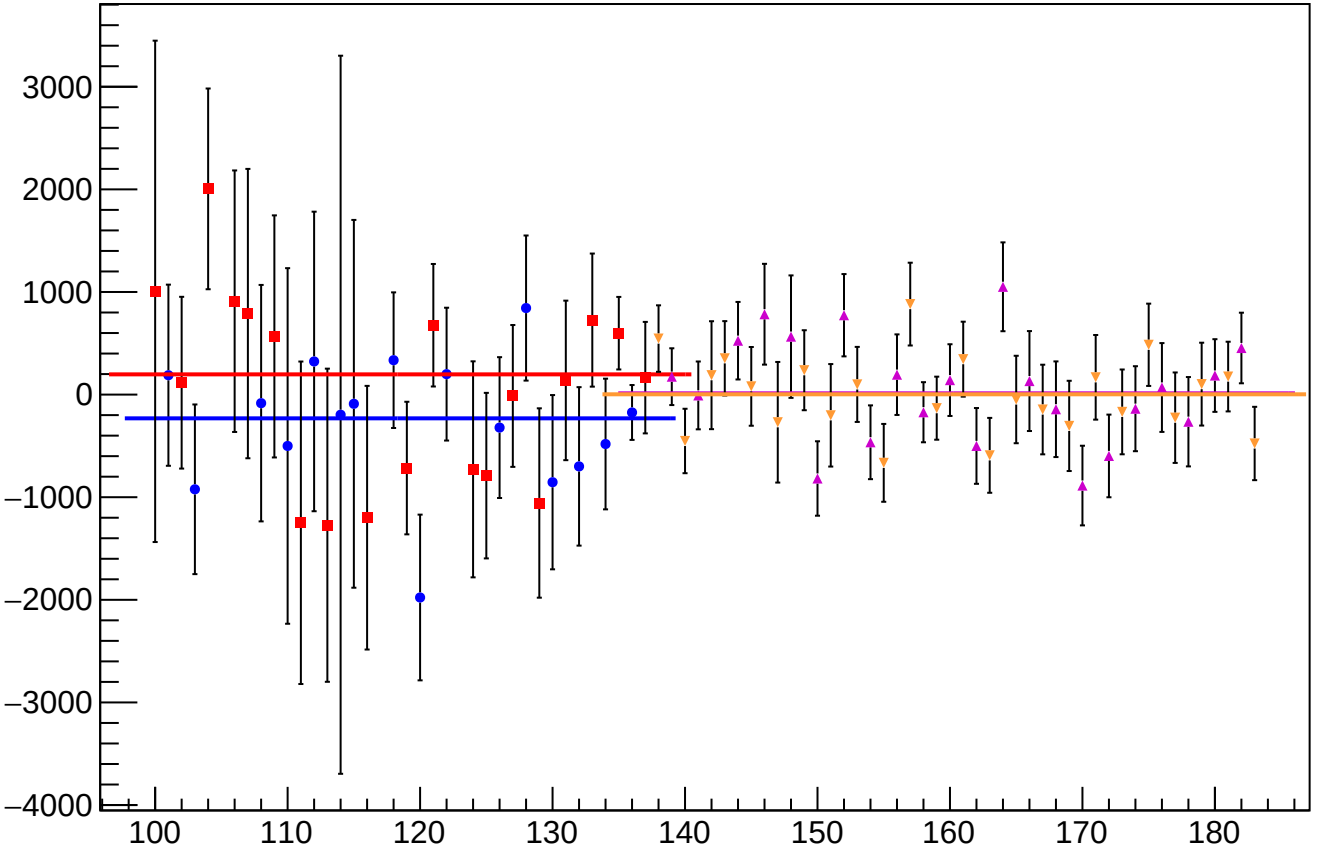
Left In: 82.860+/-0.014 χ^2/NDF:138415.0/21

+ sign 82.506+/-0.012 χ^2/NDF: 1244782.1/39

All: 82.943+/-0.008 χ^2/NDF: 2513717.5/80

- sign 83.407+/-0.012 χ^2/NDF: 1265958.0/40

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 2.899+/-79.302 χ^2/NDF:23.2/23

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

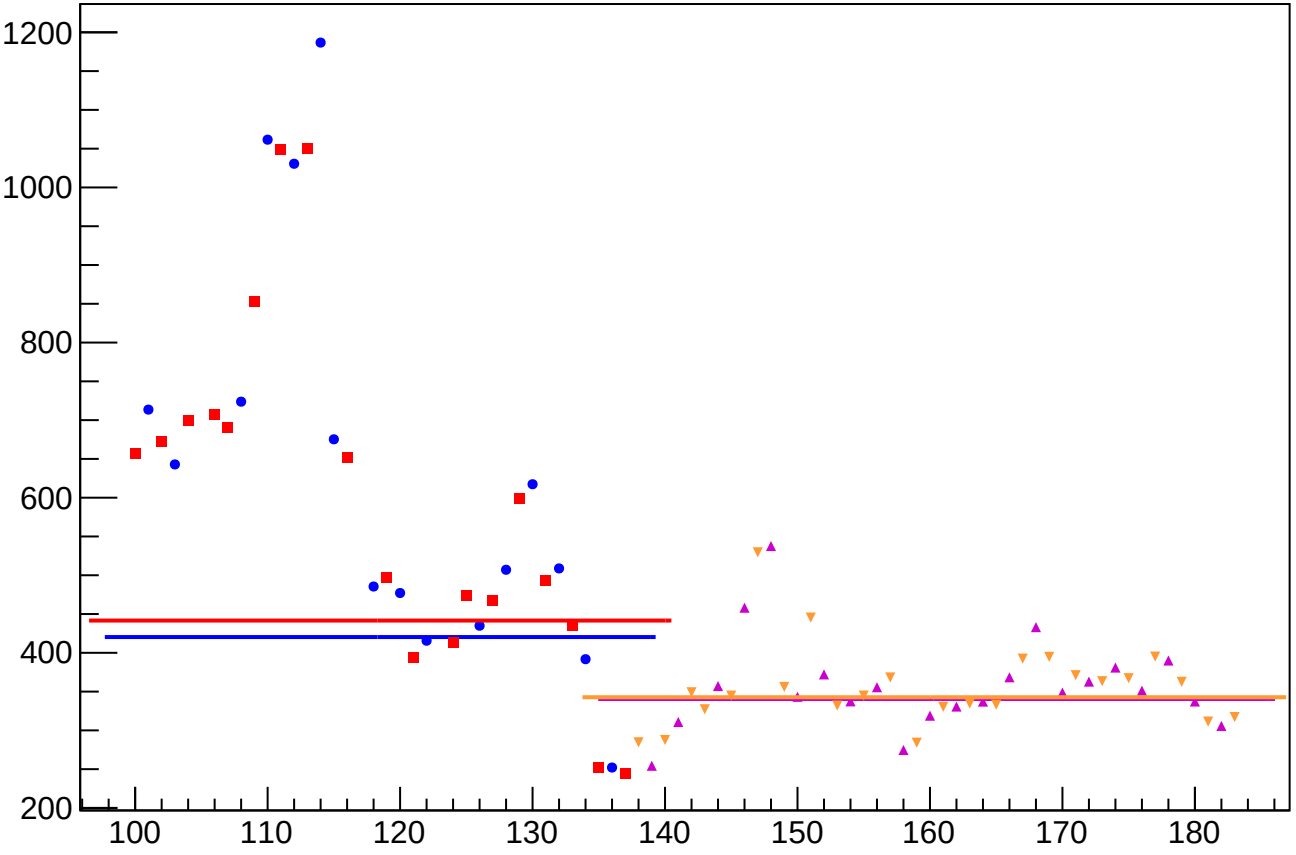
Left In: 12.528+/-81.319 χ^2/NDF:34.8/21

+ sign -38.921+/-71.877 χ^2/NDF: 35.2/39

All: 1.912+/-51.500 χ^2/NDF: 87.4/80

- sign 44.990+/-73.827 χ^2/NDF: 51.6/40

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 342.735+/-0.056 χ^2/NDF:642176.7/23

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

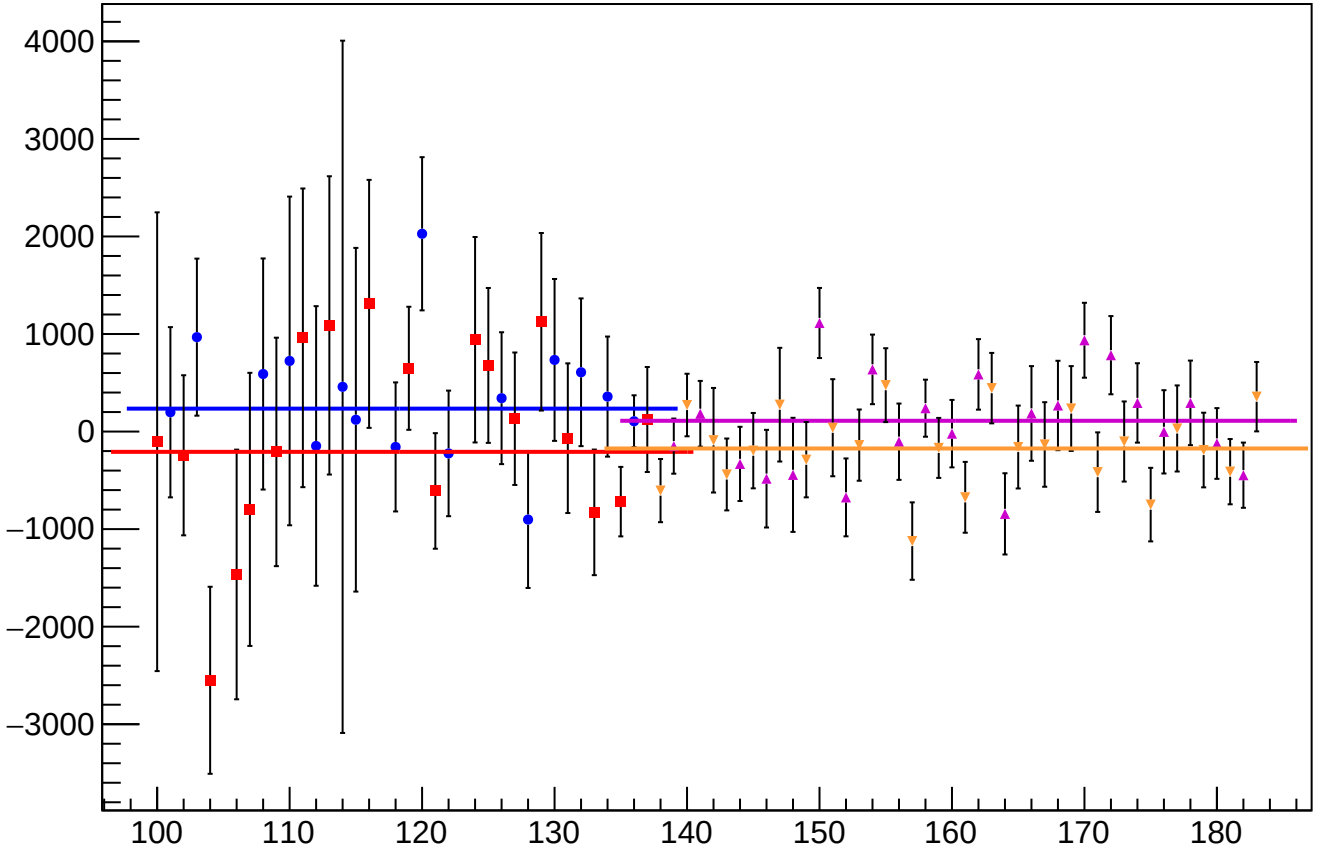
Left In: 340.463+/-0.058 χ^2/NDF:832177.2/21

+ sign 356.584+/-0.051 χ^2/NDF: 3238552.1/39

All: 357.390+/-0.036 χ^2/NDF: 6922584.5/80

- sign 358.240+/-0.052 χ^2/NDF: 3683516.2/40

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -173.446+/-78.785 χ^2/NDF:25.2/23

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

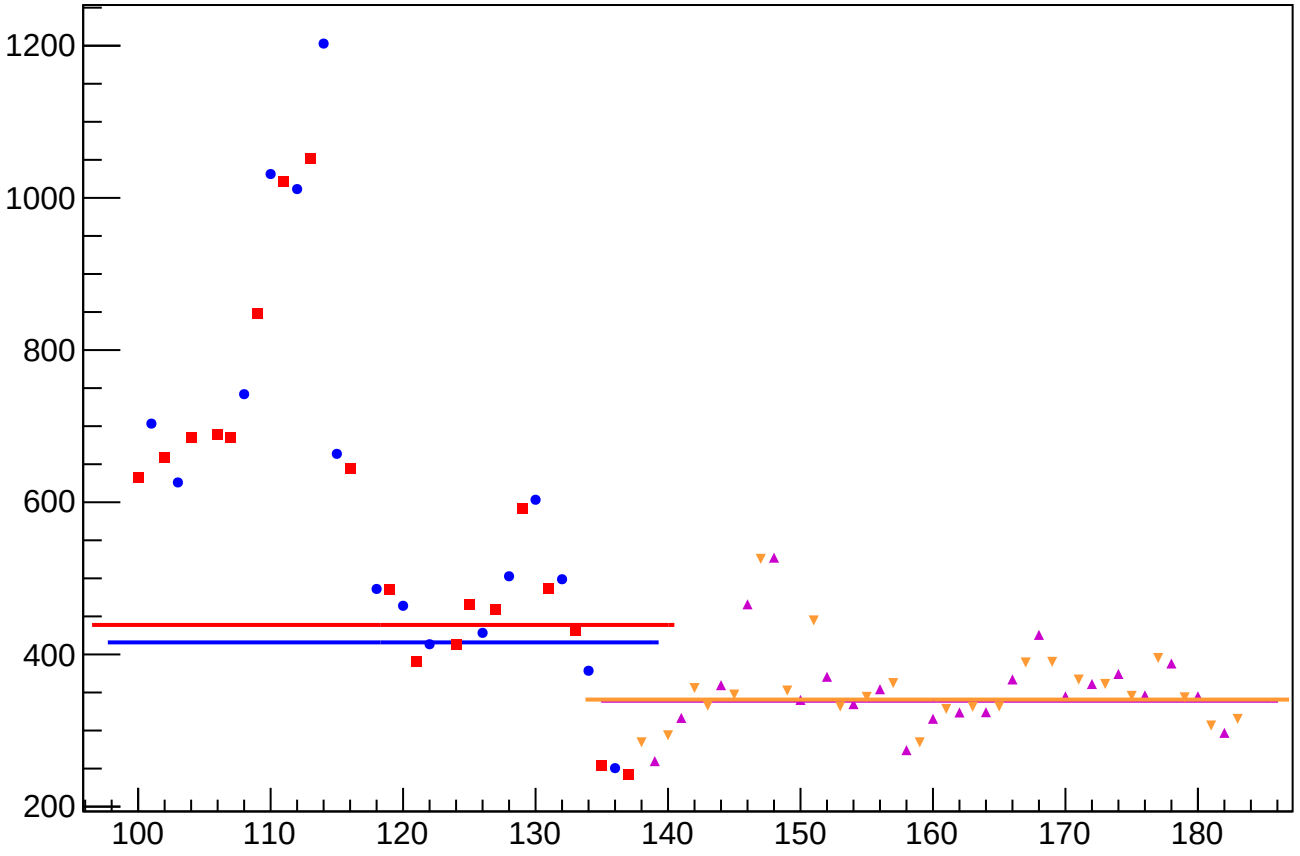
Left In: 110.497+/-80.978 χ^2/NDF:37.2/21

+ sign -99.946+/-71.346 χ^2/NDF: 40.7/39

All: -25.140+/-51.184 χ^2/NDF: 103.3/80

- sign 54.188+/-73.470 χ^2/NDF: 60.3/40

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 340.686+/-0.056 χ^2/NDF:602333.6/23

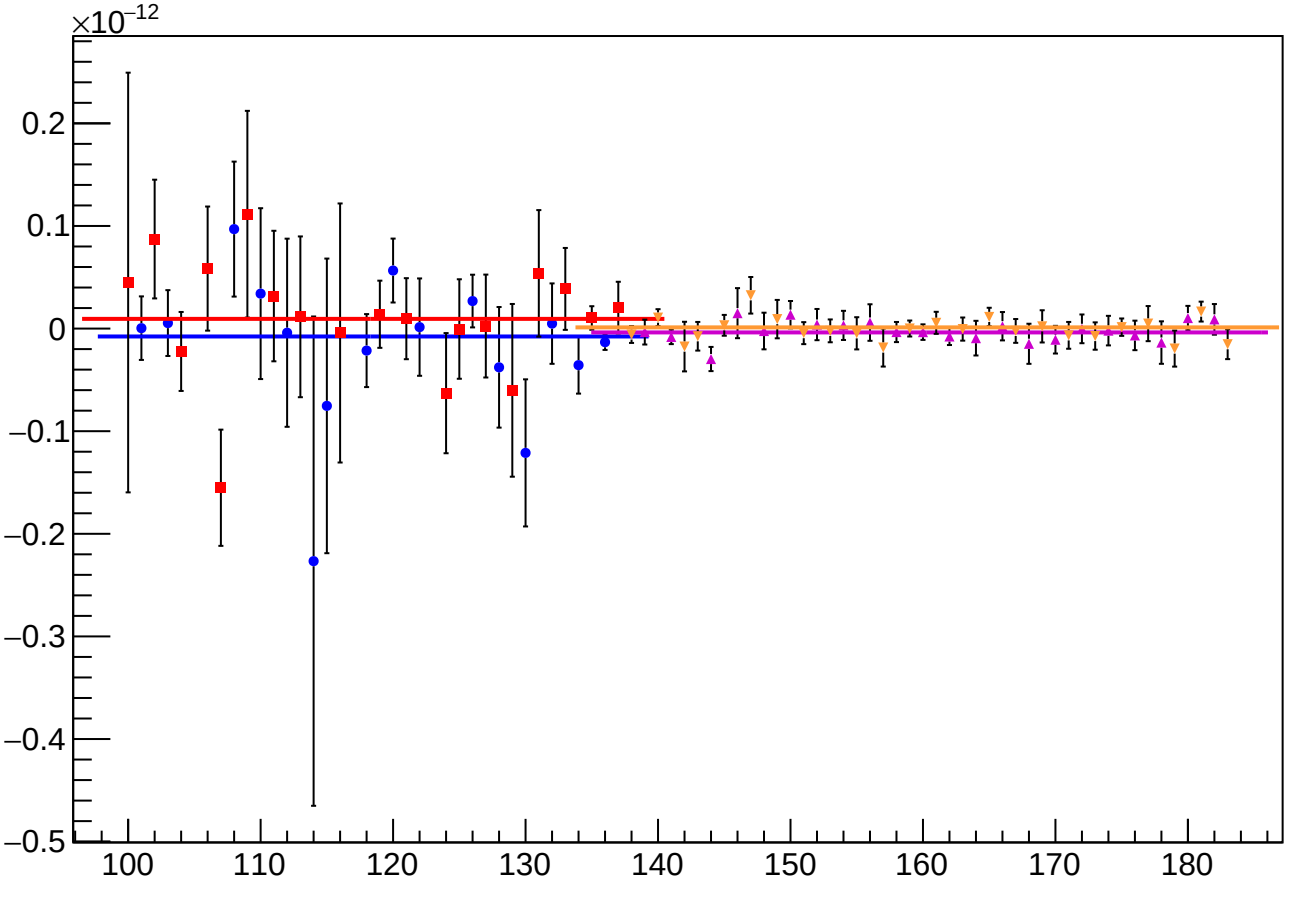
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.168+/-0.057 χ^2/NDF:795582.3/21

+ sign 354.208+/-0.050 χ^2/NDF: 3153730.2/39

All: 355.457+/-0.036 χ^2/NDF: 6720433.2/80

- sign 356.781+/-0.052 χ^2/NDF: 3565440.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/23

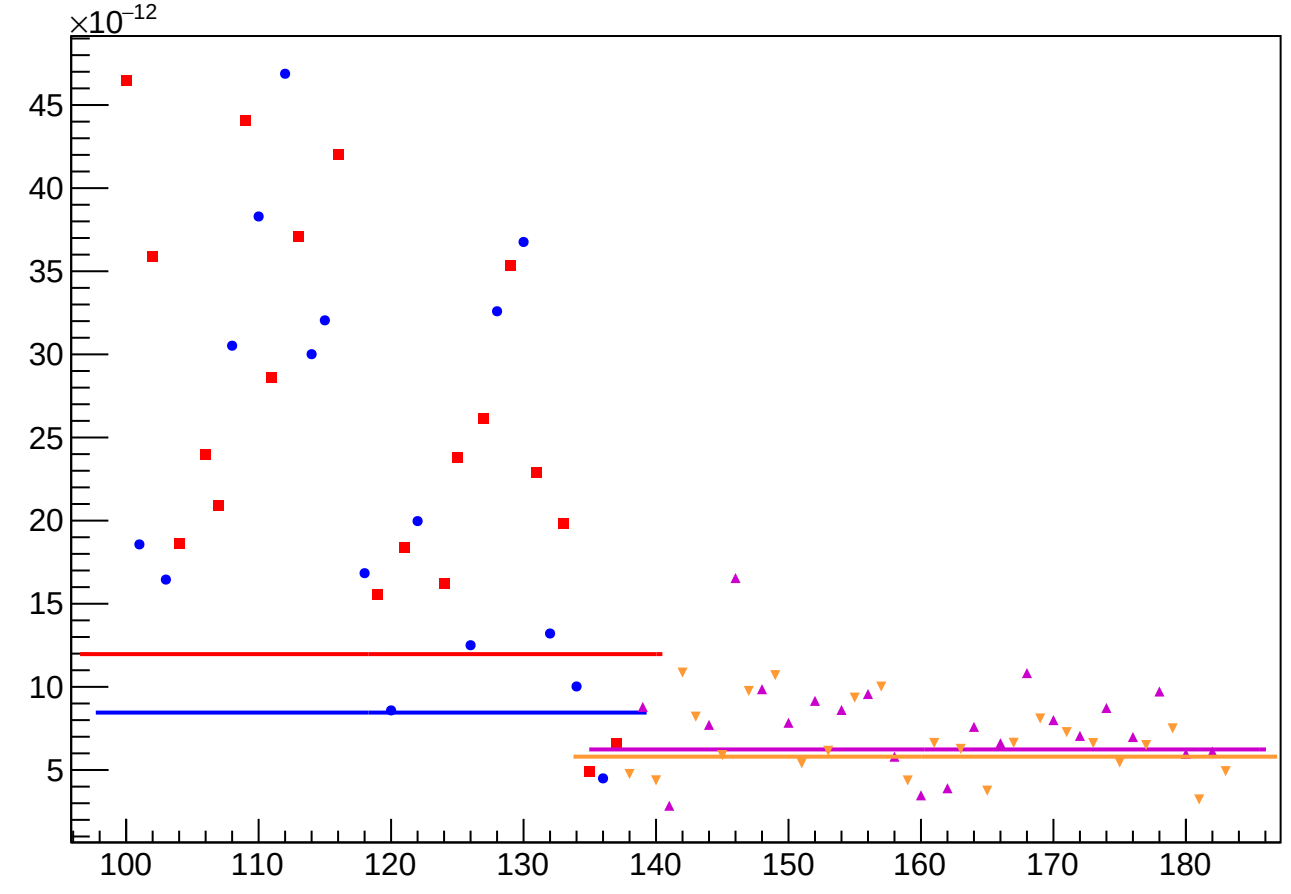
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/39

All: -0.000+/-0.000 χ^2/NDF: 63.2/80

- sign -0.000+/-0.000 χ^2/NDF: 30.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1131981.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

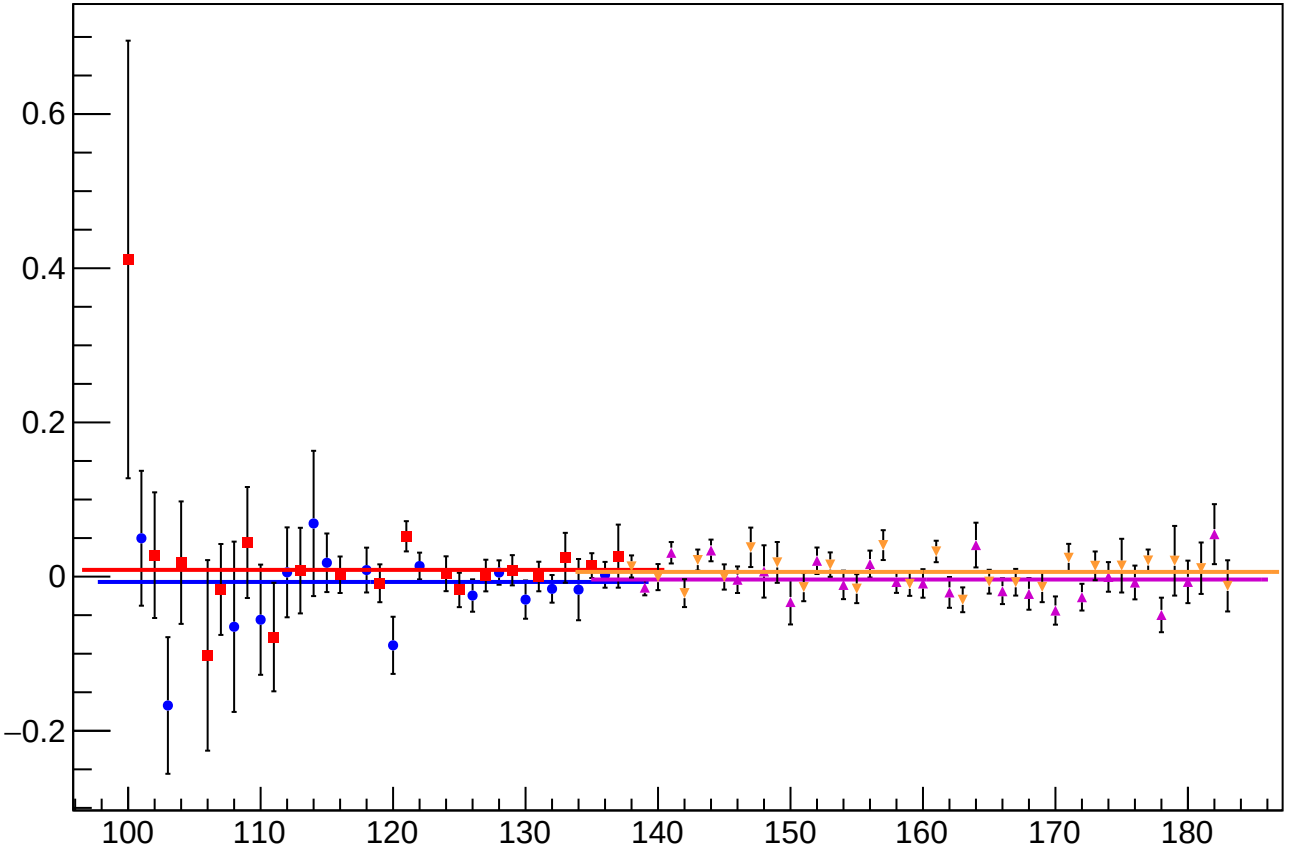
Left In: 0.000+/-0.000 χ^2/NDF:1968863.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 4211309.1/39

All: 0.000+/-0.000 χ^2/NDF: 9909412.2/80

- sign 0.000+/-0.000 χ^2/NDF: 5625183.3/40

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/23

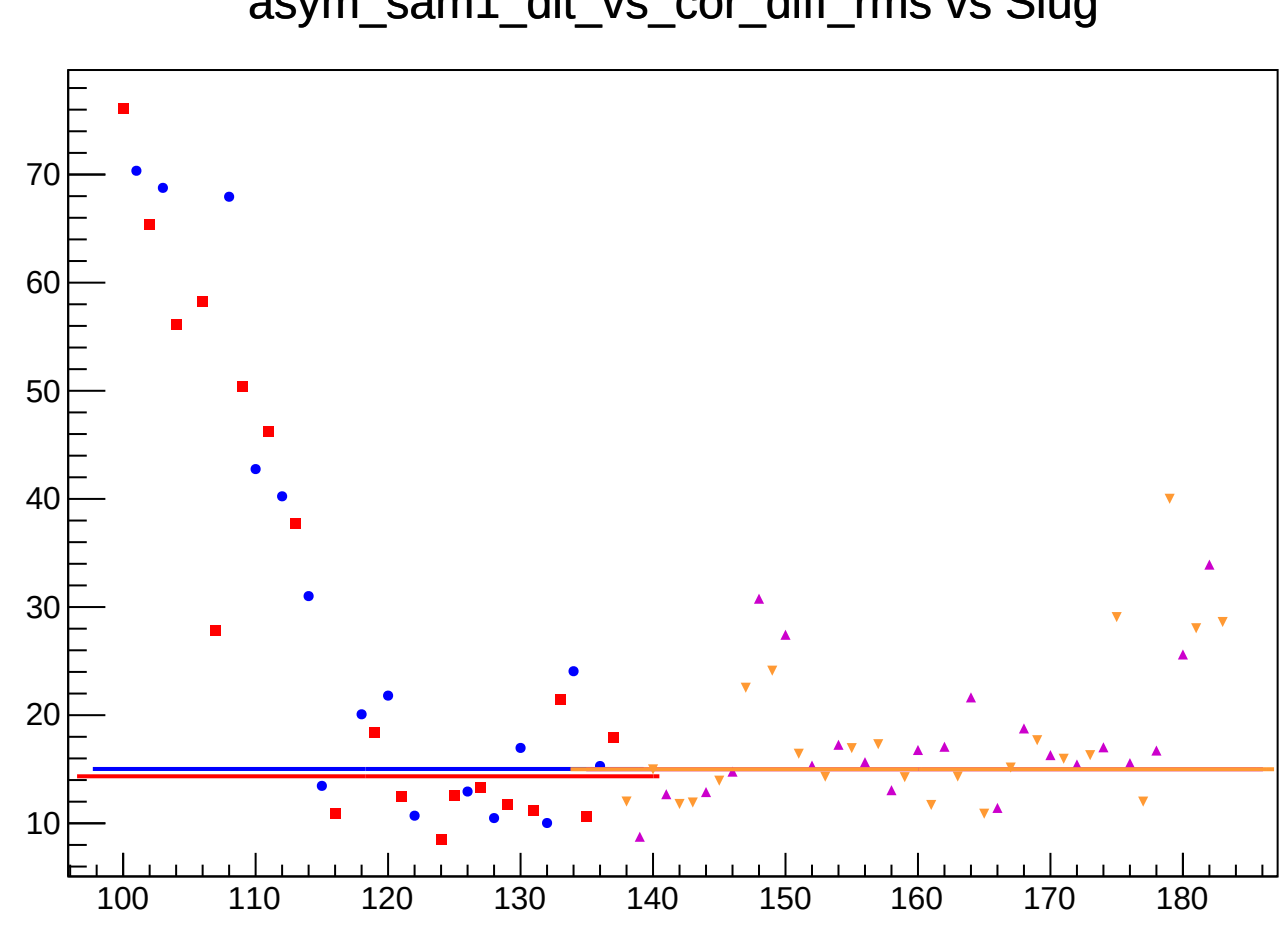
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.004 χ^2/NDF:37.1/21

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/39

All: 0.001+/-0.002 χ^2/NDF: 97.7/80

- sign -0.000+/-0.003 χ^2/NDF: 52.6/40



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 15.001+/-0.003 χ^2/NDF:2721191.3/23

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

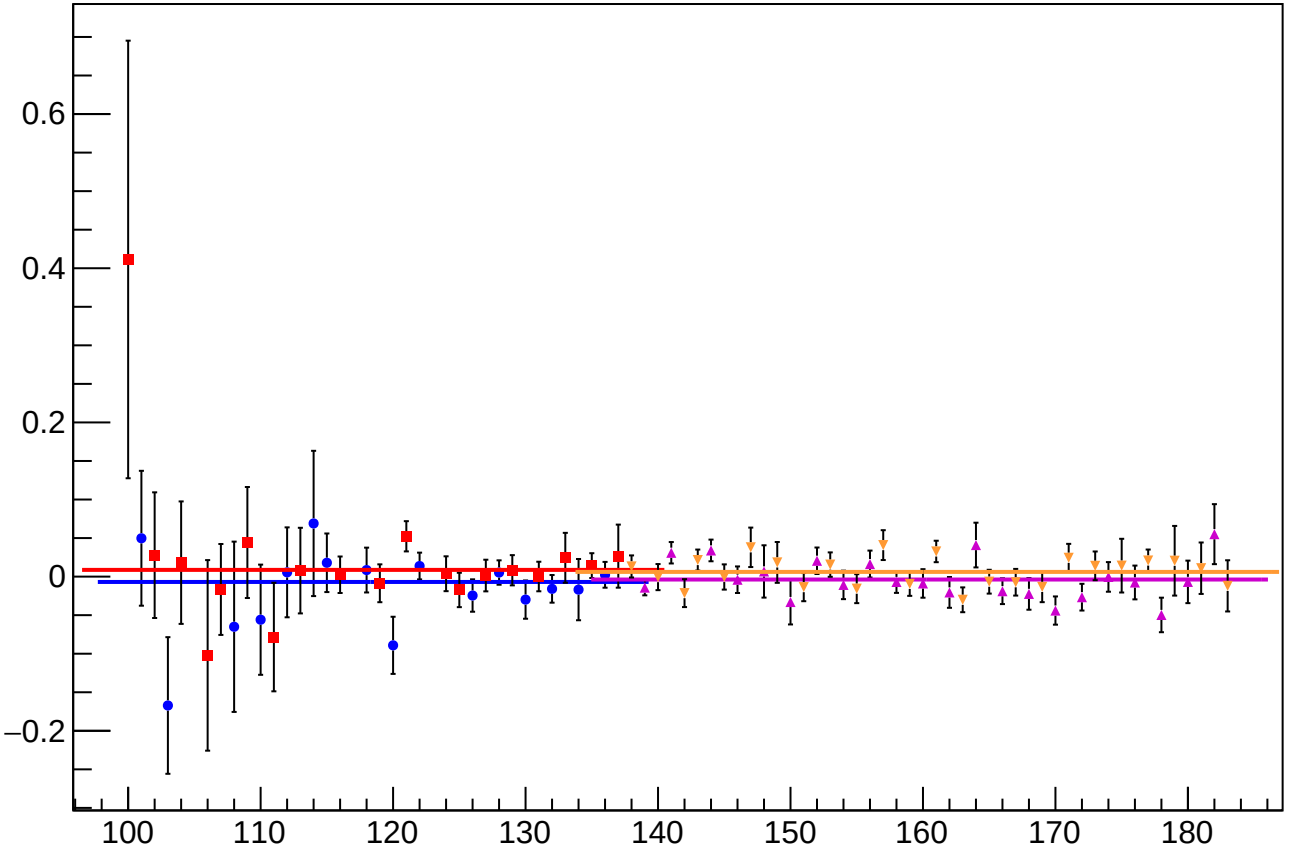
Left In: 14.997+/-0.003 χ^2/NDF:2862095.9/21

+ sign 15.006+/-0.002 χ^2/NDF: 6159473.3/39

All: 14.917+/-0.002 χ^2/NDF: 12668851.5/80

- sign 14.825+/-0.002 χ^2/NDF: 6506290.2/40

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

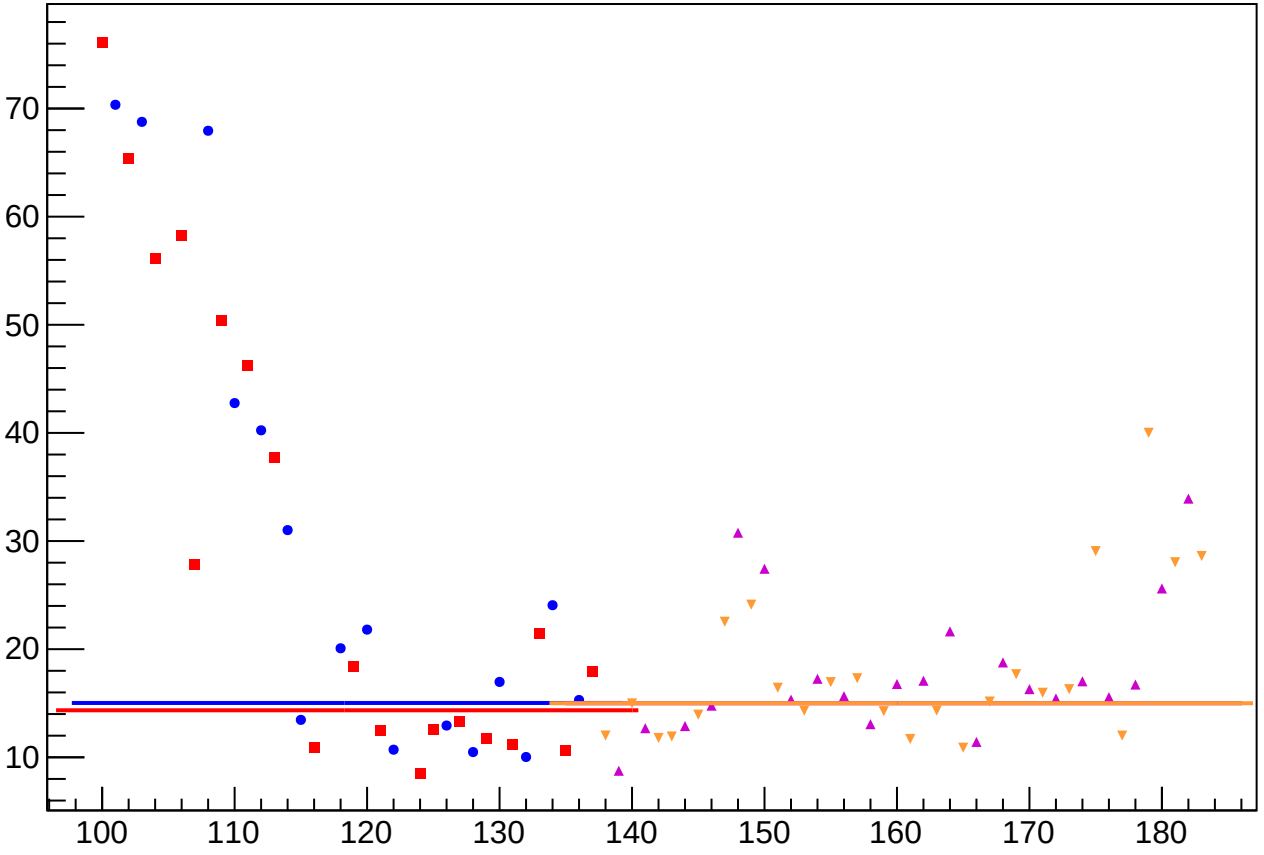
Left In: -0.004+/-0.004 χ^2/NDF:37.1/21

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/39

All: 0.001+/-0.002 χ^2/NDF: 97.7/80

- sign -0.000+/-0.003 χ^2/NDF: 52.6/40

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 15.001+/-0.003 χ^2/NDF:2721191.3/23

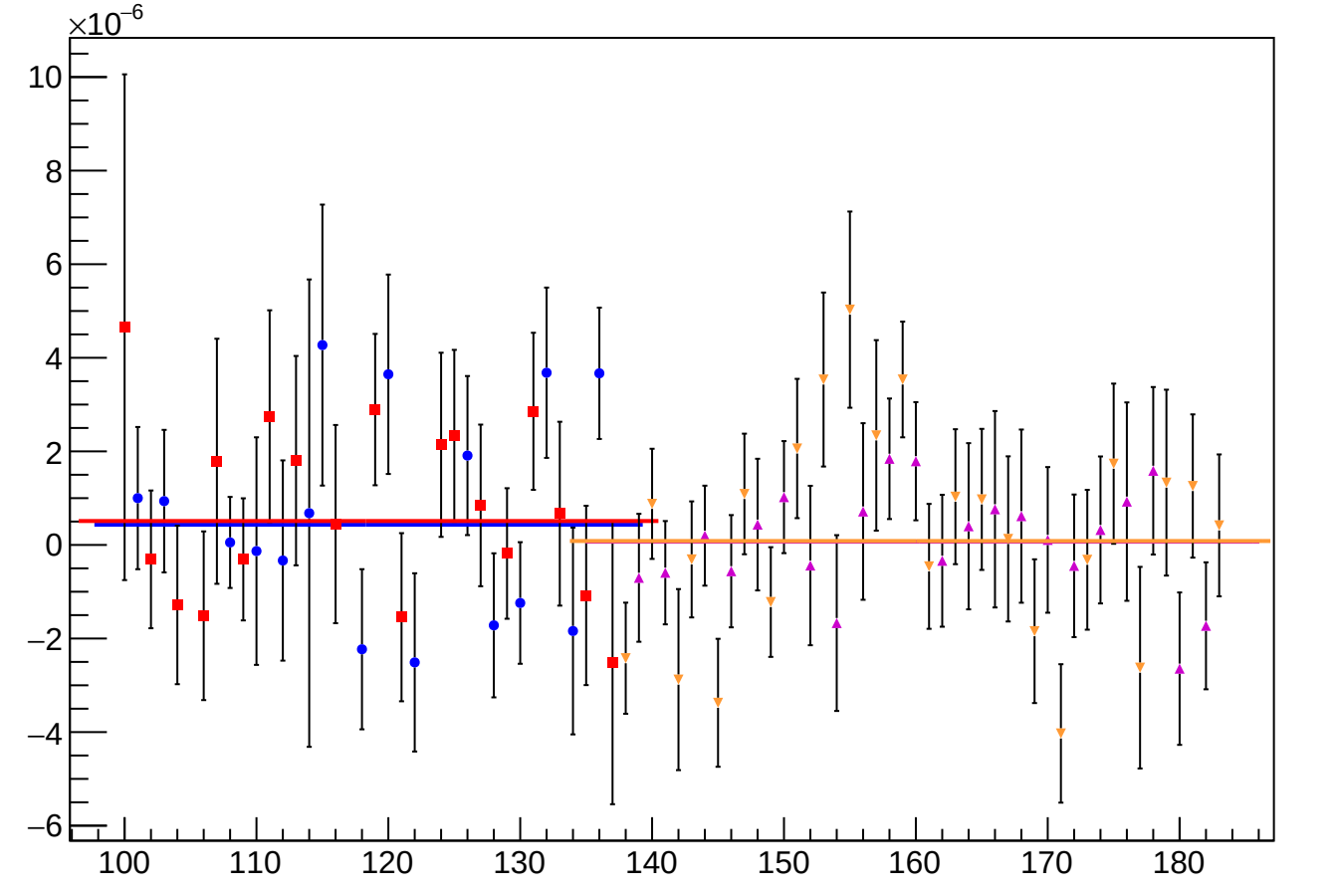
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862095.9/21

+ sign 15.006+/-0.002 χ^2/NDF: 6159473.3/39

All: 14.917+/-0.002 χ^2/NDF: 12668851.5/80

- sign 14.825+/-0.002 χ^2/NDF: 6506290.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.3/23

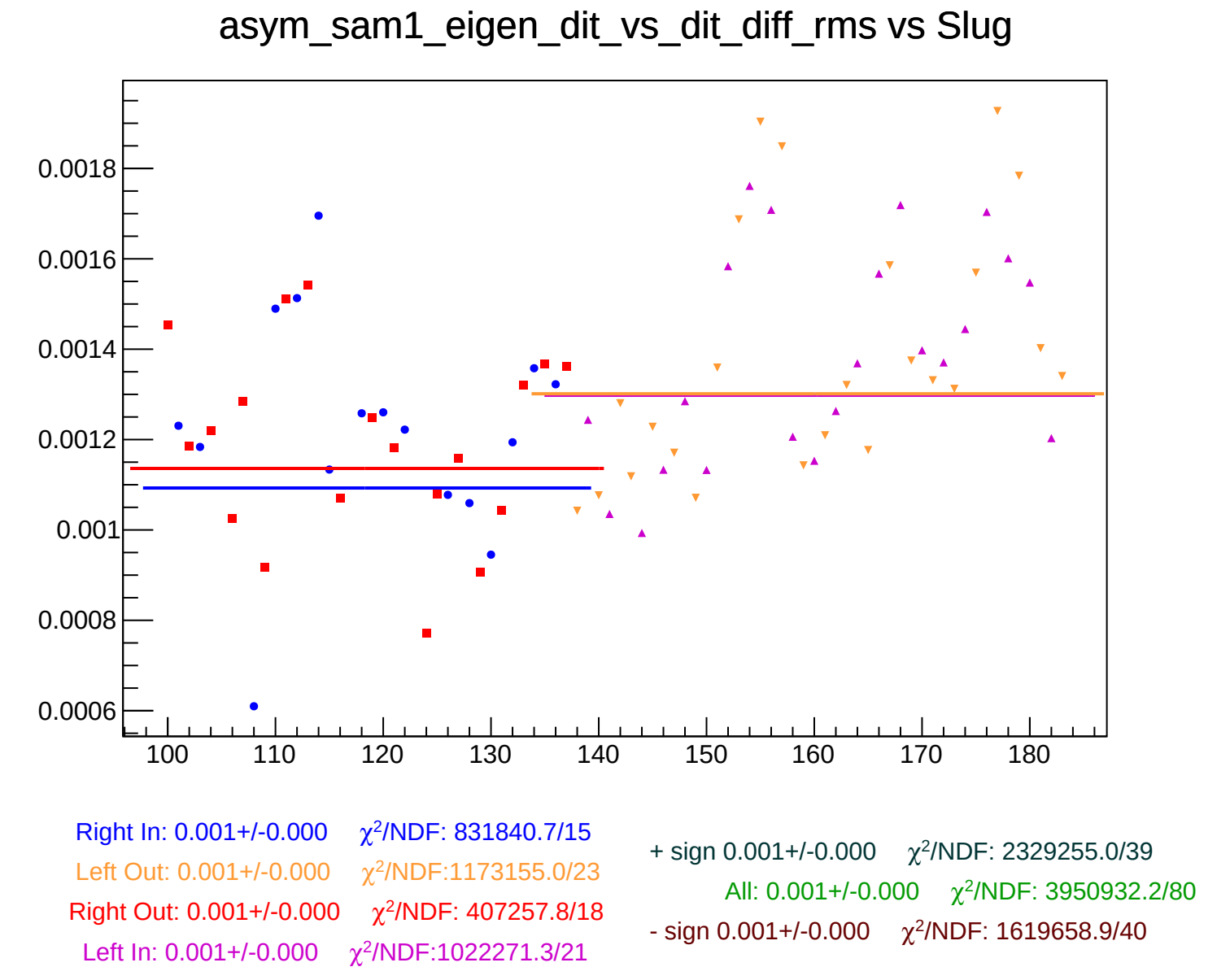
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.3/21

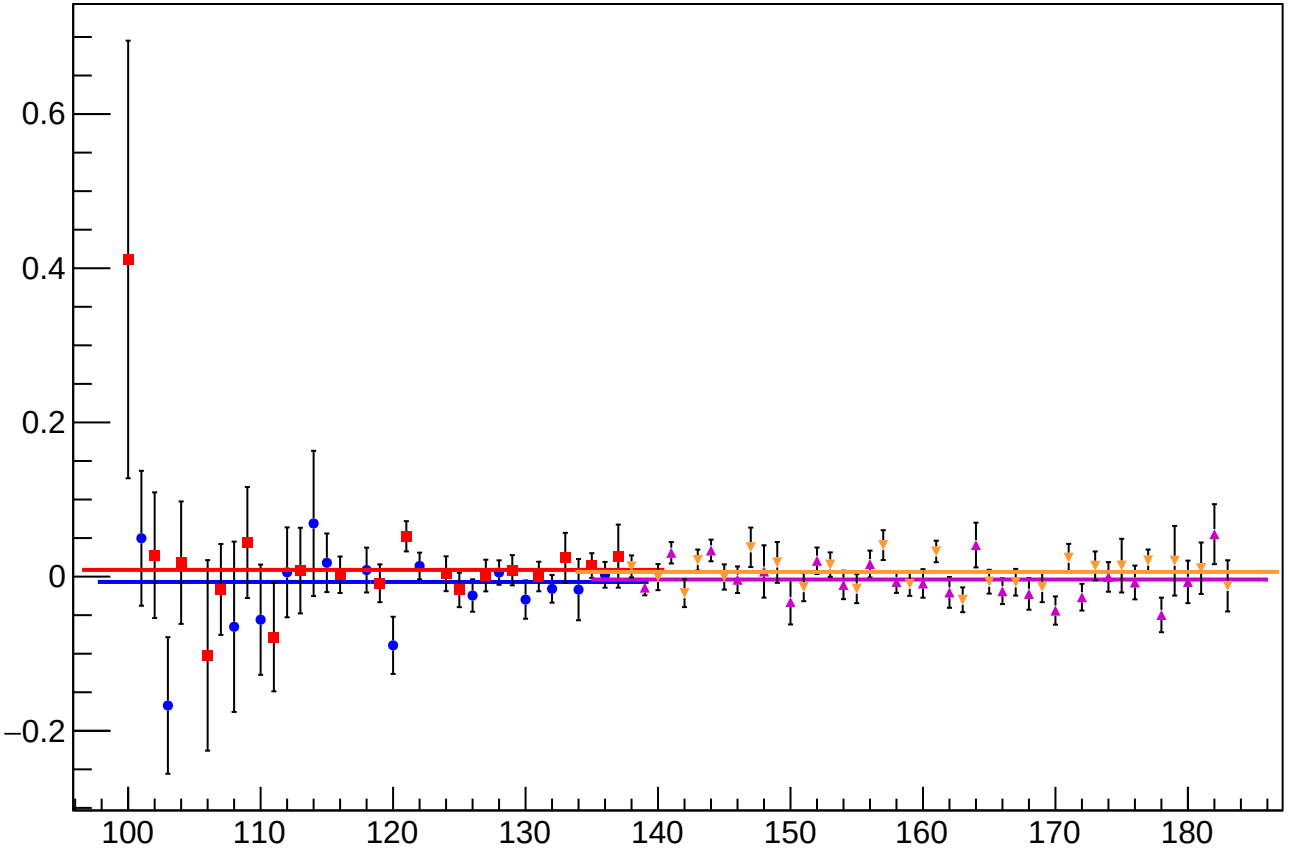
+ sign 0.000+/-0.000 χ^2/NDF: 72.9/39

All: 0.000+/-0.000 χ^2/NDF: 100.3/80

- sign 0.000+/-0.000 χ^2/NDF: 27.4/40


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1173155.0/23
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:1022271.3/21
+ sign 0.001+/-0.000 χ²/NDF: 2329255.0/39
All: 0.001+/-0.000 χ²/NDF: 3950932.2/80
- sign 0.001+/-0.000 χ²/NDF: 1619658.9/40

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

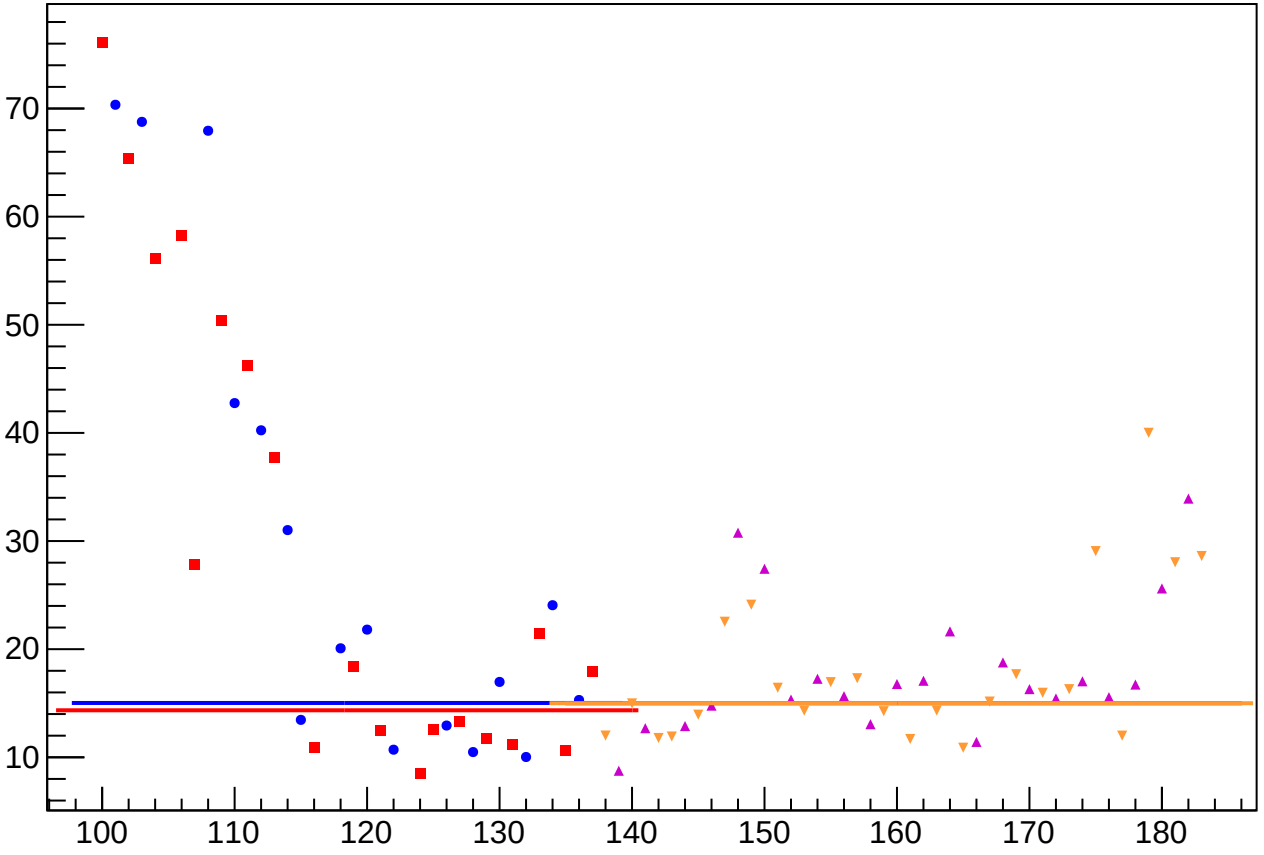
Left In: -0.004+/-0.004 χ^2/NDF:37.1/21

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/39

All: 0.001+/-0.002 χ^2/NDF: 97.7/80

- sign -0.000+/-0.003 χ^2/NDF: 52.6/40

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 15.000+/-0.003 χ^2/NDF:2721396.0/23

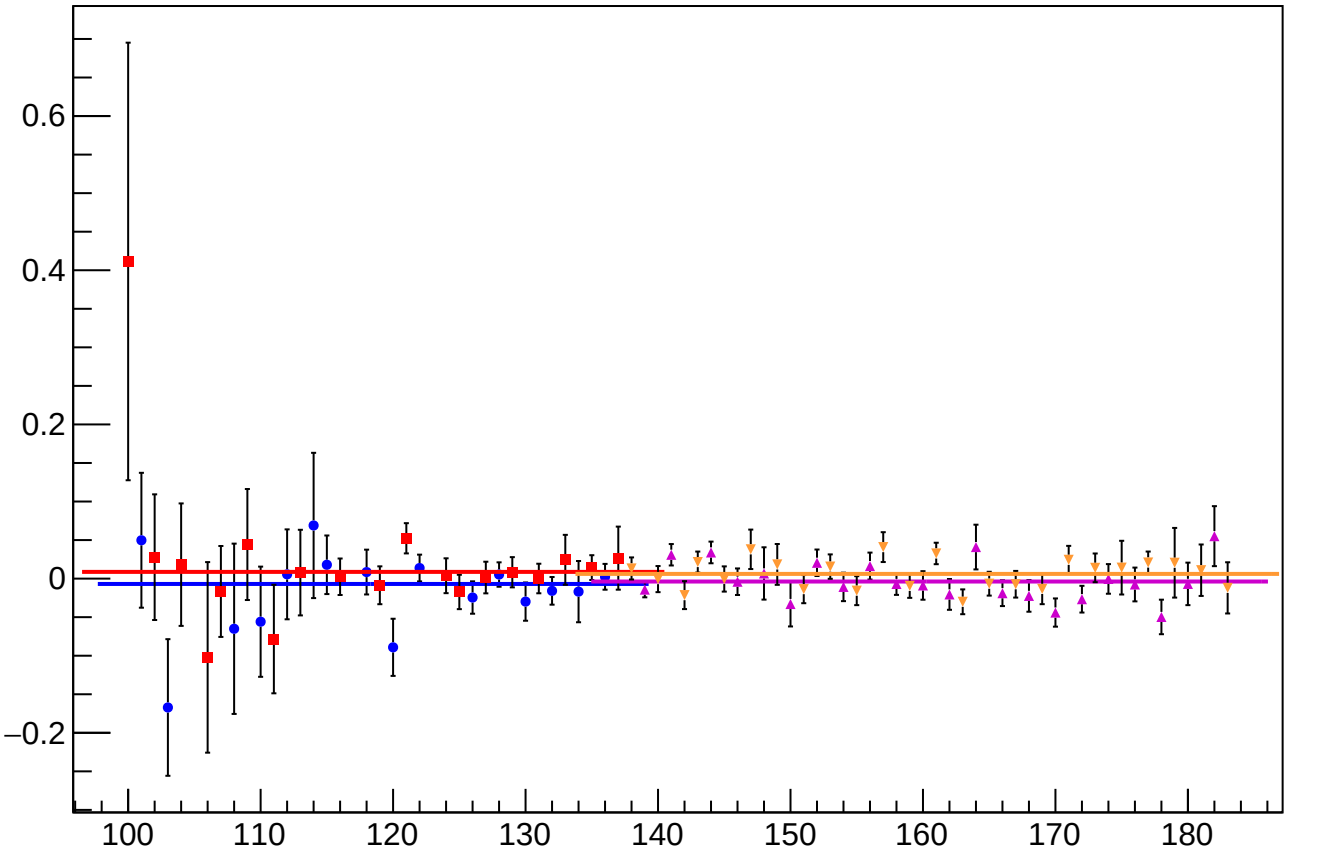
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862134.8/21

+ sign 15.006+/-0.002 χ^2/NDF: 6159696.4/39

All: 14.917+/-0.002 χ^2/NDF: 12669097.6/80

- sign 14.825+/-0.002 χ^2/NDF: 6506315.7/40



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/23

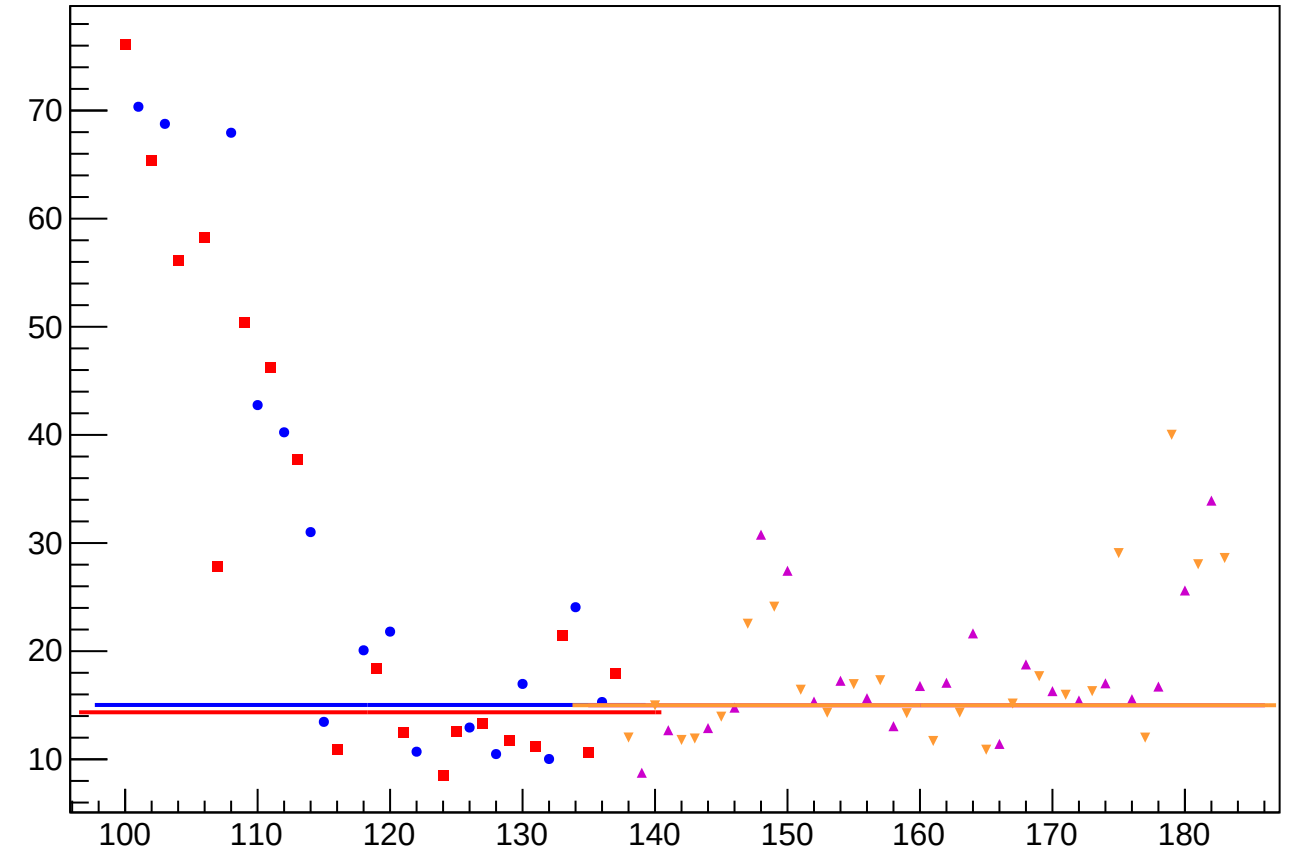
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.004 χ^2/NDF:37.1/21

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/39

All: 0.001+/-0.002 χ^2/NDF: 97.7/80

- sign -0.000+/-0.003 χ^2/NDF: 52.6/40



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 15.000+/-0.003 χ^2/NDF:2721396.0/23

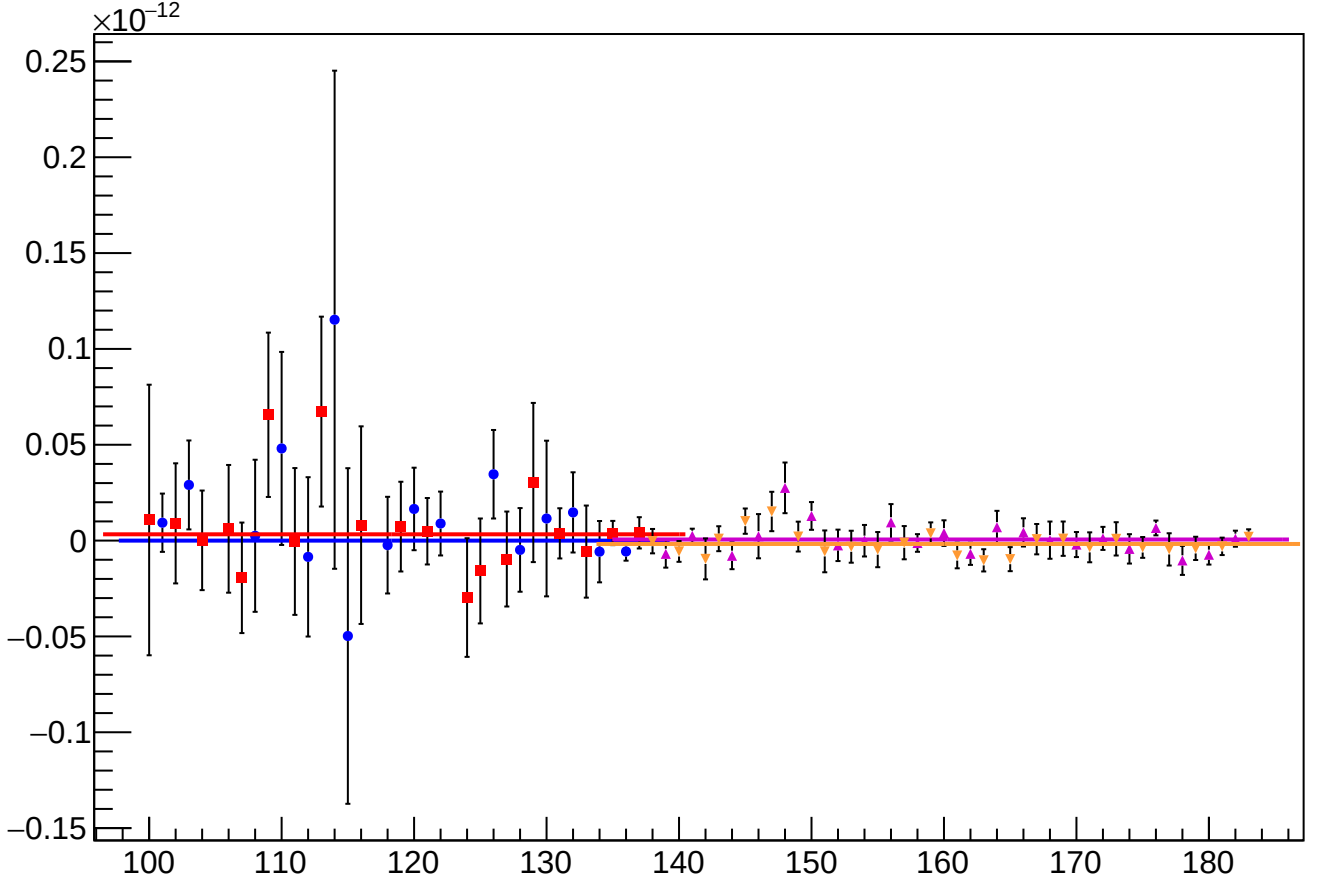
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.997+/-0.003 χ^2/NDF:2862134.8/21

+ sign 15.006+/-0.002 χ^2/NDF: 6159696.4/39

All: 14.917+/-0.002 χ^2/NDF: 12669097.6/80

- sign 14.825+/-0.002 χ^2/NDF: 6506315.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/23

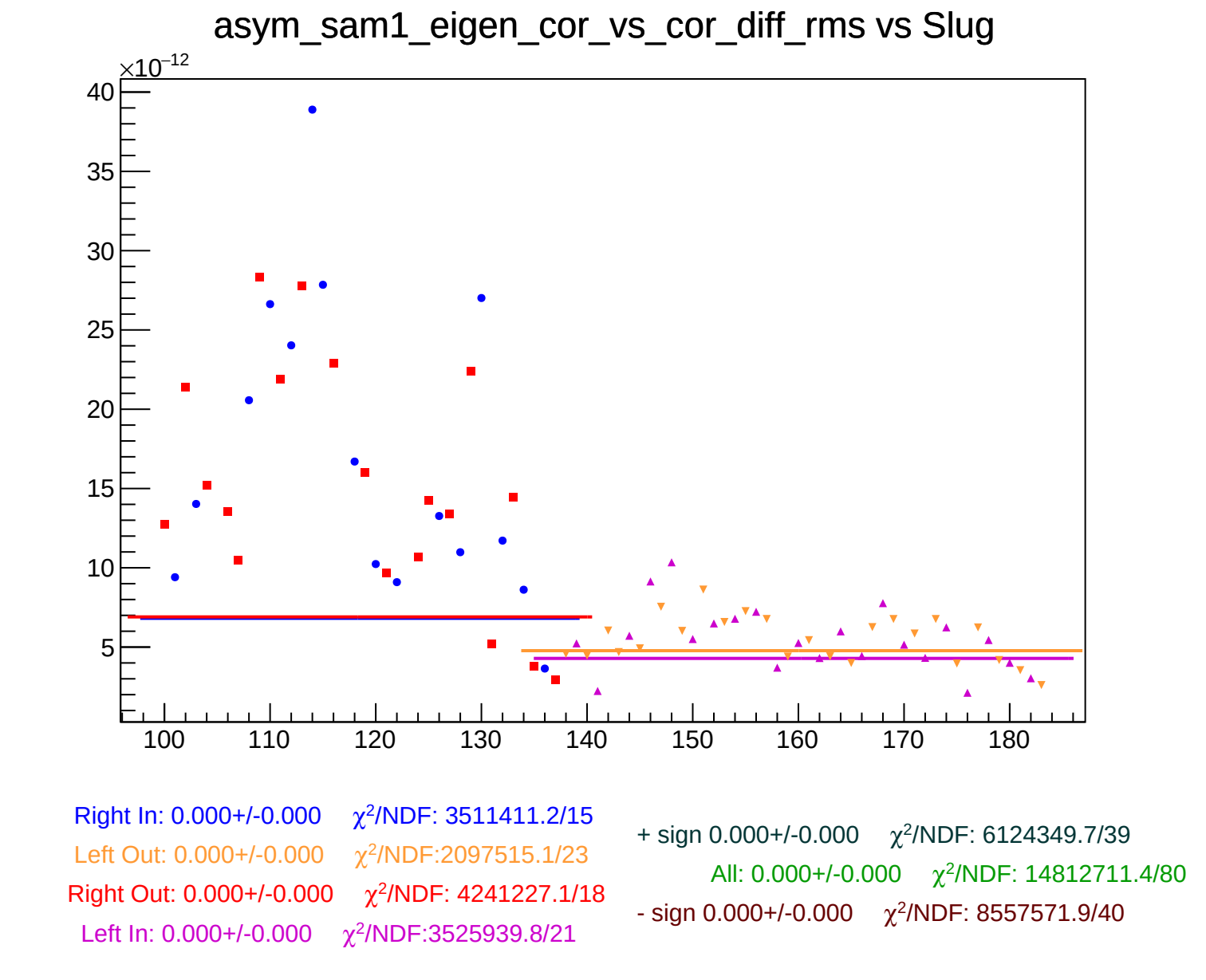
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:21.3/21

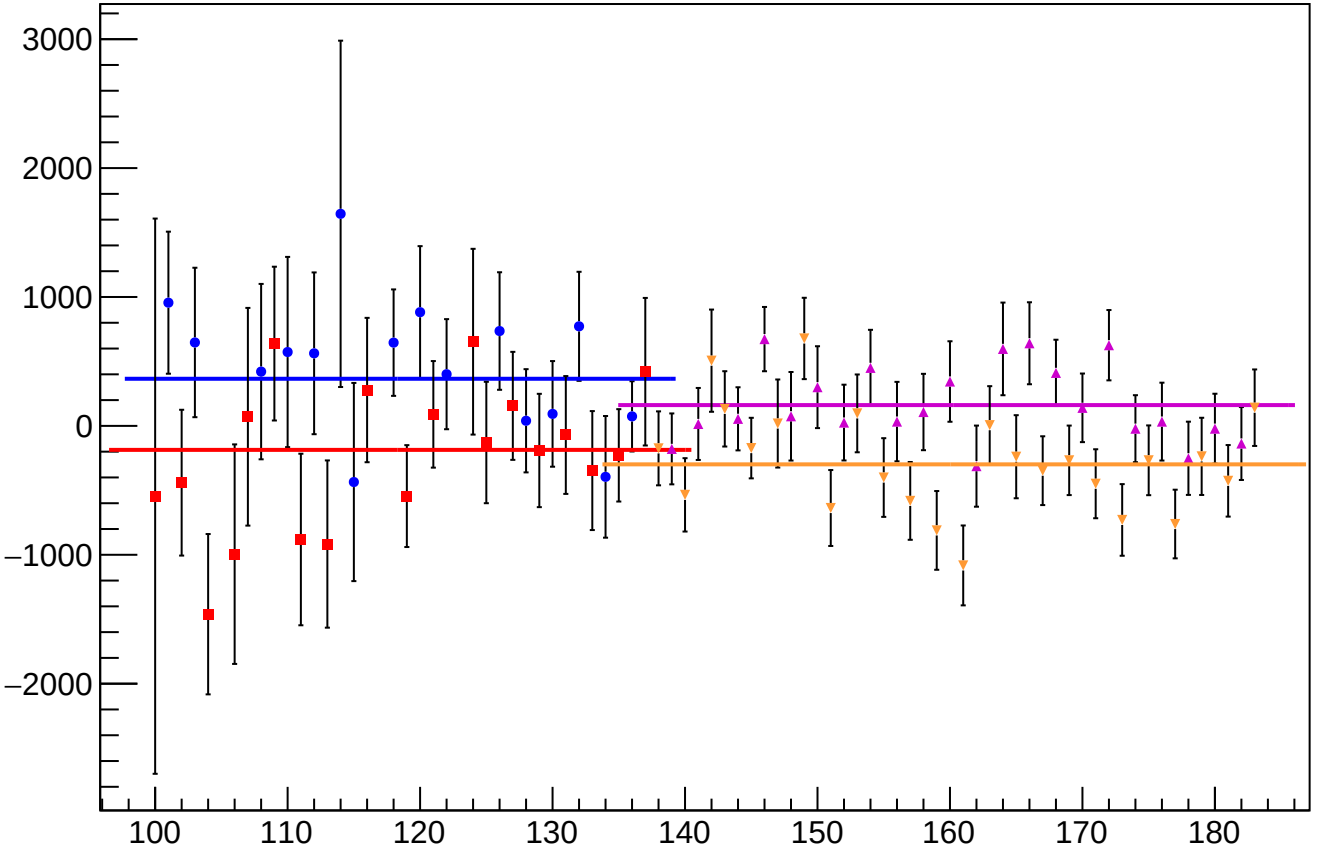
+ sign -0.000+/-0.000 χ^2/NDF: 24.5/39

All: -0.000+/-0.000 χ^2/NDF: 55.0/80

- sign 0.000+/-0.000 χ^2/NDF: 28.7/40


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2097515.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3525939.8/21
+ sign 0.000+/-0.000 χ²/NDF: 6124349.7/39
All: 0.000+/-0.000 χ²/NDF: 14812711.4/80
- sign 0.000+/-0.000 χ²/NDF: 8557571.9/40

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -298.435+/-59.425 χ^2/NDF:40.4/23

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

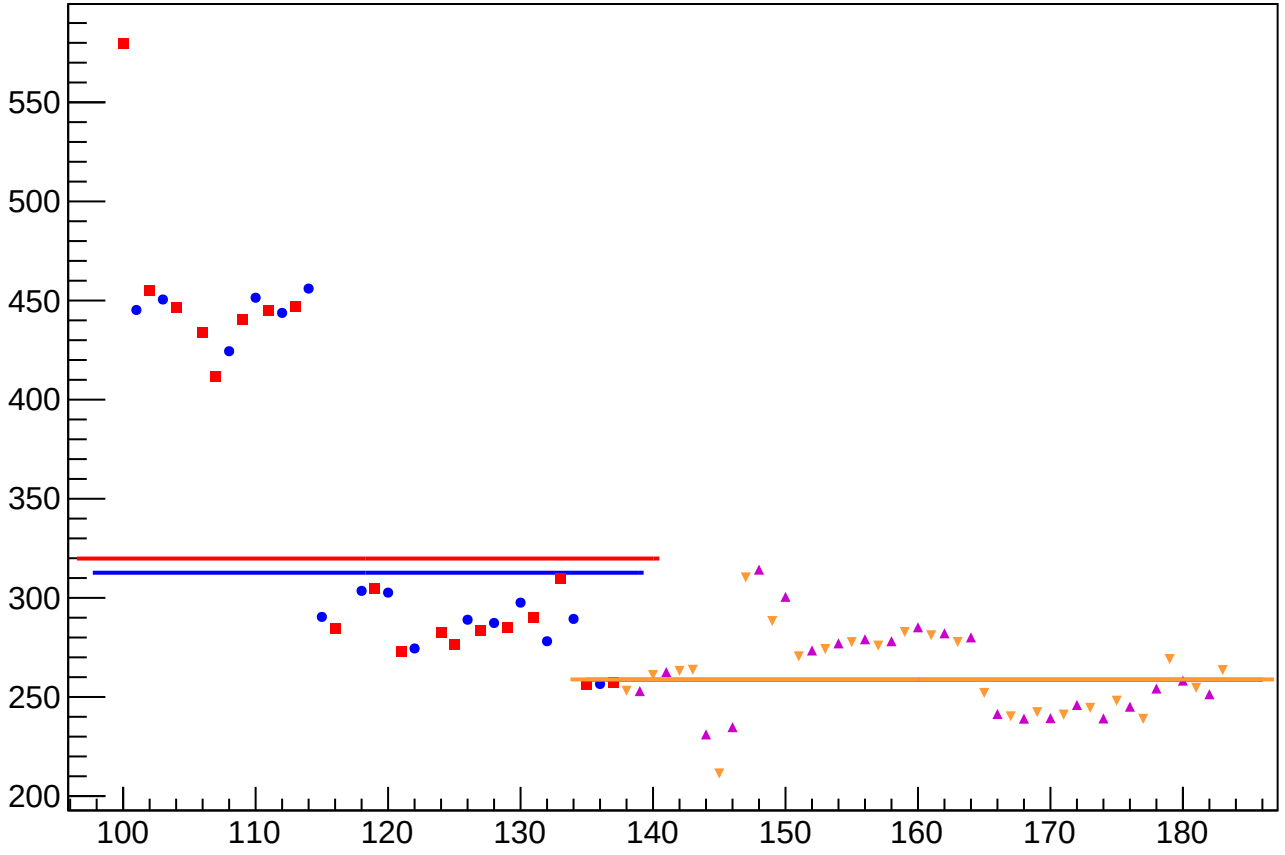
Left In: 161.338+/-61.182 χ^2/NDF:22.4/21

+ sign -165.682+/-53.153 χ^2/NDF: 76.9/39

All: -41.180+/-38.060 χ^2/NDF: 132.2/80

- sign 89.826+/-54.524 χ^2/NDF: 44.0/40

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.858+/-0.042 χ^2/NDF:248615.5/23

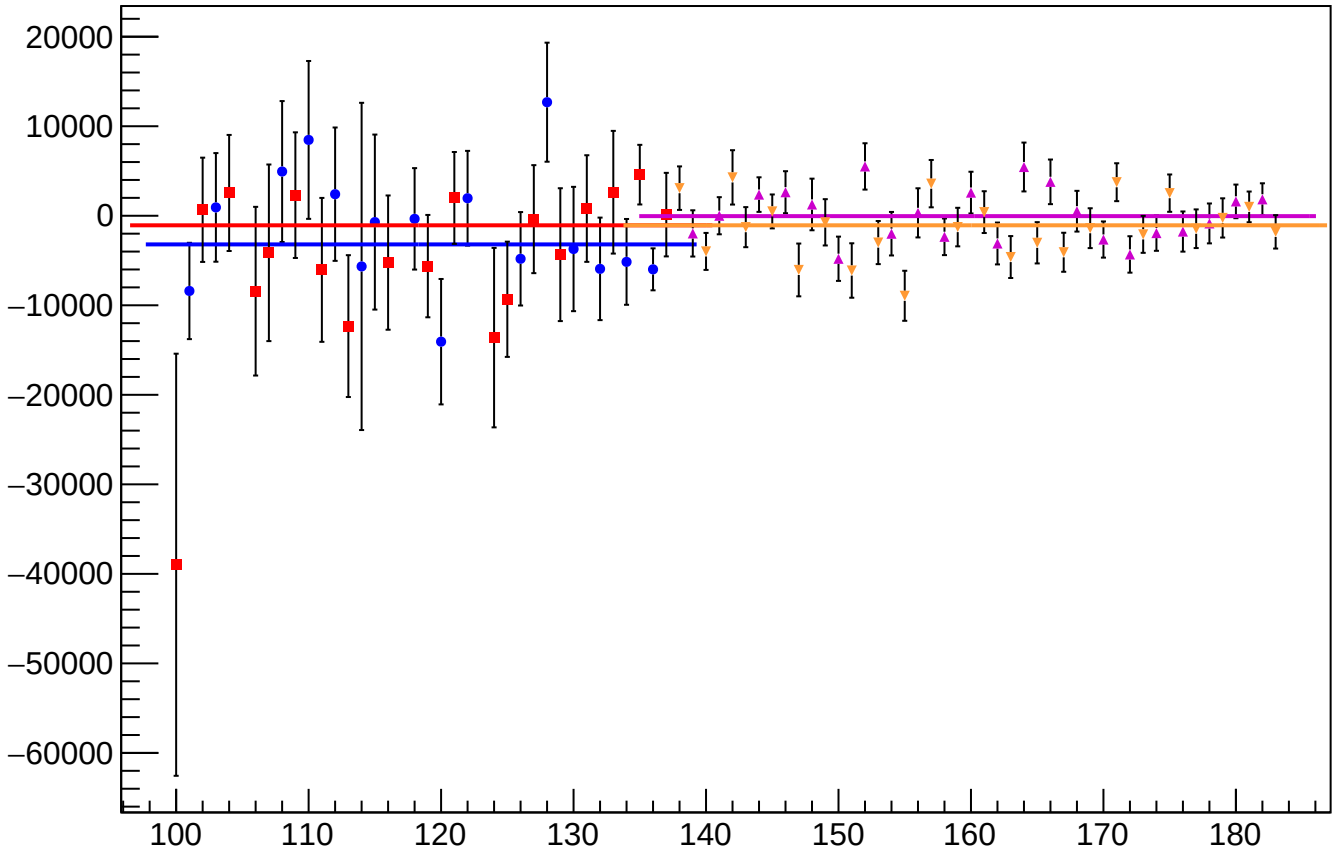
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 258.724+/-0.043 χ^2/NDF:244459.3/21

+ sign 269.620+/-0.038 χ^2/NDF: 1178880.3/39

All: 270.439+/-0.027 χ^2/NDF: 2532931.0/80

- sign 271.302+/-0.039 χ^2/NDF: 1353074.8/40



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1065.644+/-459.932 χ^2/NDF:41.5/23

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

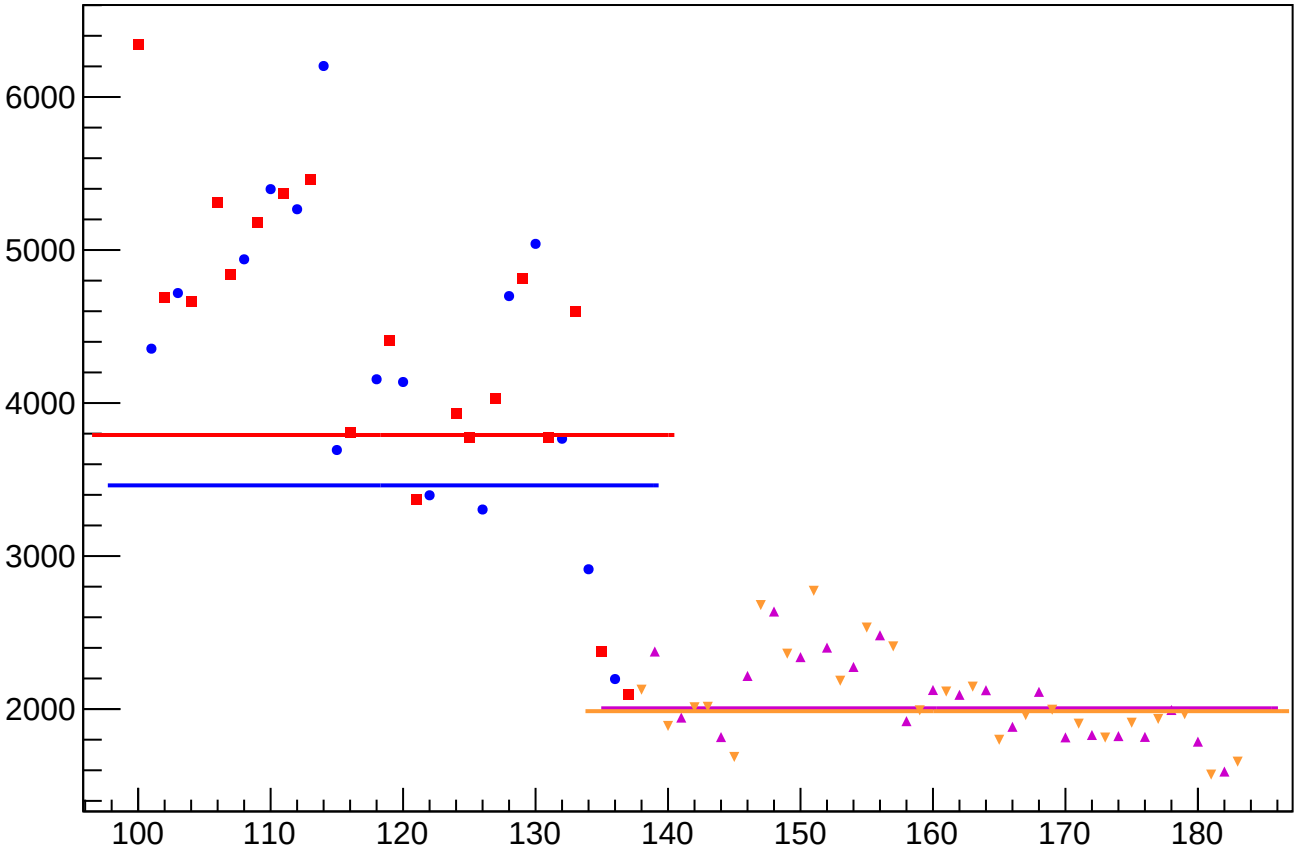
Left In: -41.189+/-476.832 χ^2/NDF:32.9/21

+ sign -1286.365+/-435.487 χ^2/NDF: 59.8/39

All: -736.446+/-313.866 χ^2/NDF: 110.9/80

- sign -142.029+/-452.764 χ^2/NDF: 47.8/40

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1986.350+/-0.325 χ^2/NDF:718676.6/23

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

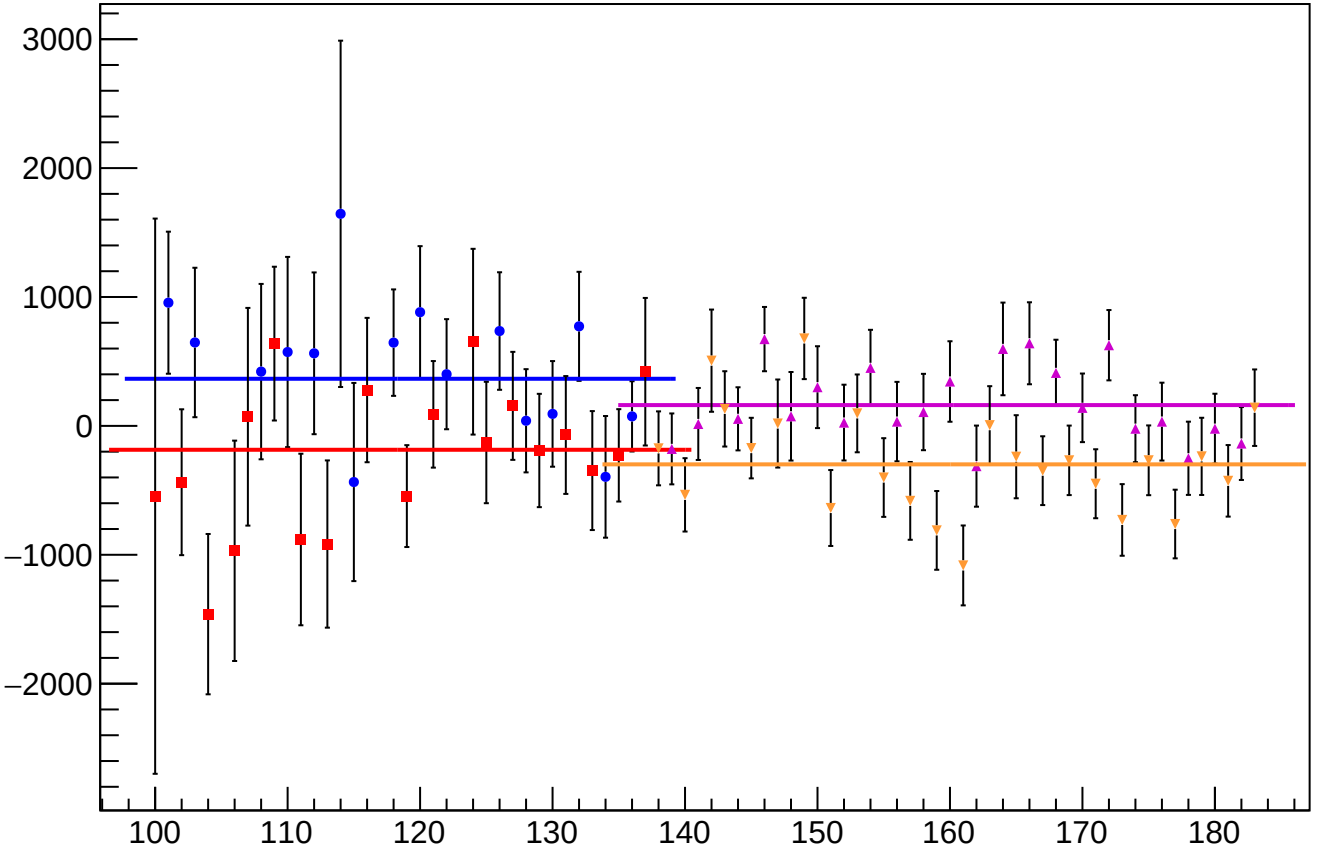
Left In: 2004.966+/-0.337 χ^2/NDF:564141.1/21

+ sign 2139.035+/-0.308 χ^2/NDF: 4158351.3/39

All: 2159.076+/-0.222 χ^2/NDF: 8648869.2/80

- sign 2180.740+/-0.320 χ^2/NDF: 4481703.3/40

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -298.434+/-59.425 χ^2/NDF:40.4/23

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

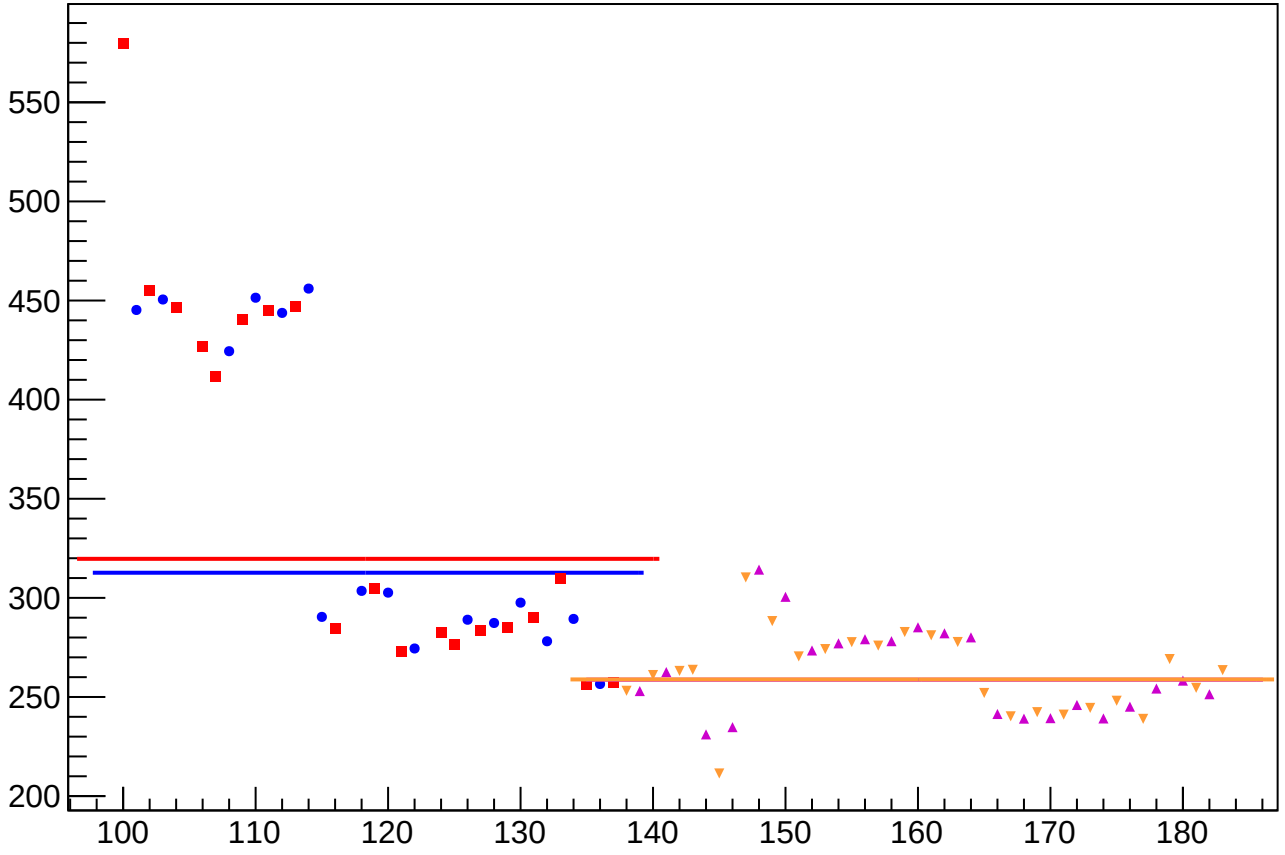
Left In: 161.347+/-61.182 χ^2/NDF:22.4/21

+ sign -165.685+/-53.153 χ^2/NDF: 76.9/39

All: -41.094+/-38.061 χ^2/NDF: 132.1/80

- sign 90.010+/-54.525 χ^2/NDF: 43.9/40

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.858+/-0.042 χ^2/NDF:248615.5/23

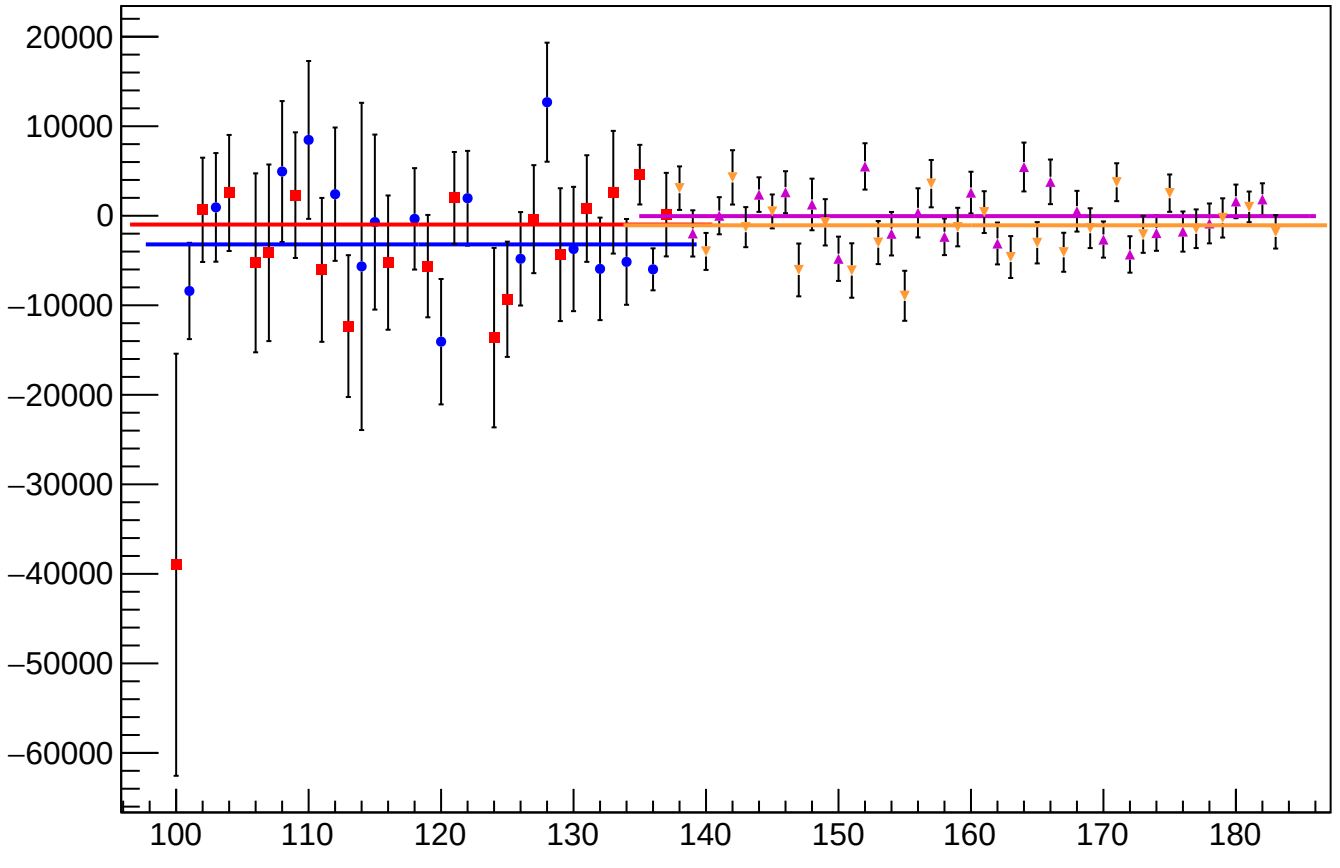
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.724+/-0.043 χ^2/NDF:244459.3/21

+ sign 269.620+/-0.038 χ^2/NDF: 1178881.9/39

All: 270.423+/-0.027 χ^2/NDF: 2526682.5/80

- sign 271.269+/-0.039 χ^2/NDF: 1346861.9/40



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1065.642+/-459.932 χ^2/NDF:41.5/23

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

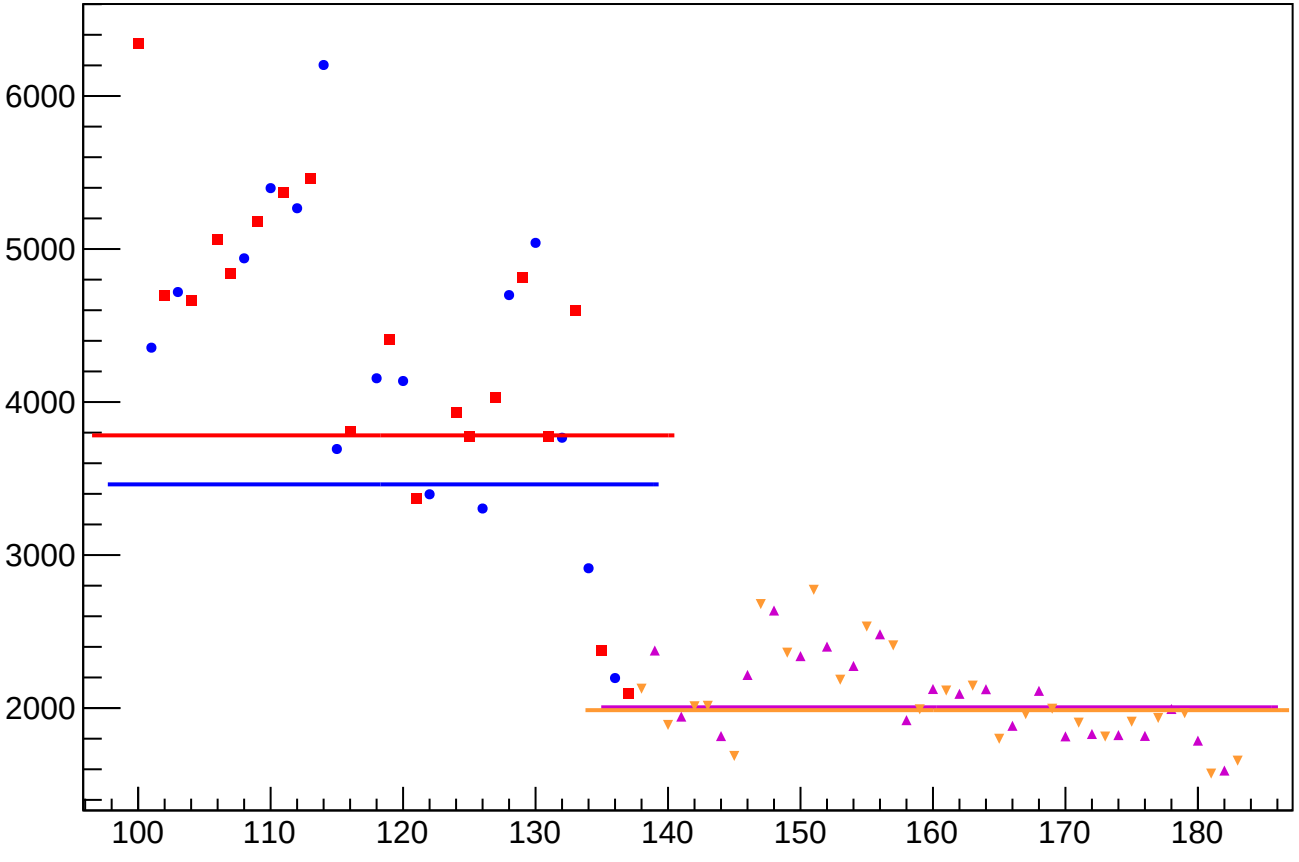
Left In: -41.188+/-476.833 χ^2/NDF:32.9/21

+ sign -1286.356+/-435.487 χ^2/NDF: 59.8/39

All: -732.390+/-313.886 χ^2/NDF: 110.4/80

- sign -133.440+/-452.824 χ^2/NDF: 47.2/40

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1986.350+/-0.325 χ^2/NDF:718677.0/23

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

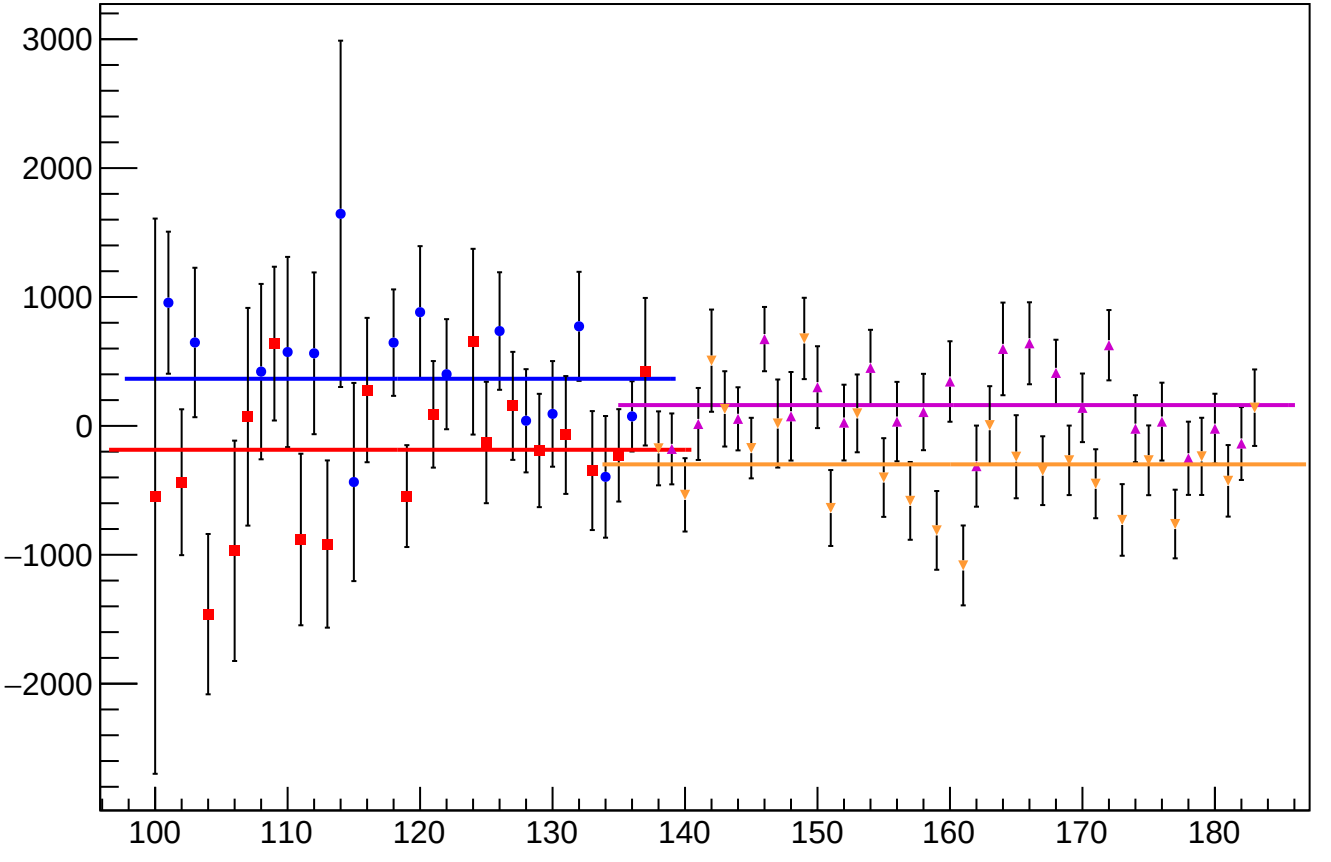
Left In: 2004.967+/-0.337 χ^2/NDF:564140.5/21

+ sign 2139.035+/-0.308 χ^2/NDF: 4158372.0/39

All: 2158.444+/-0.222 χ^2/NDF: 8594460.8/80

- sign 2179.429+/-0.320 χ^2/NDF: 4427820.6/40

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -298.434+/-59.425 χ^2/NDF:40.4/23

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

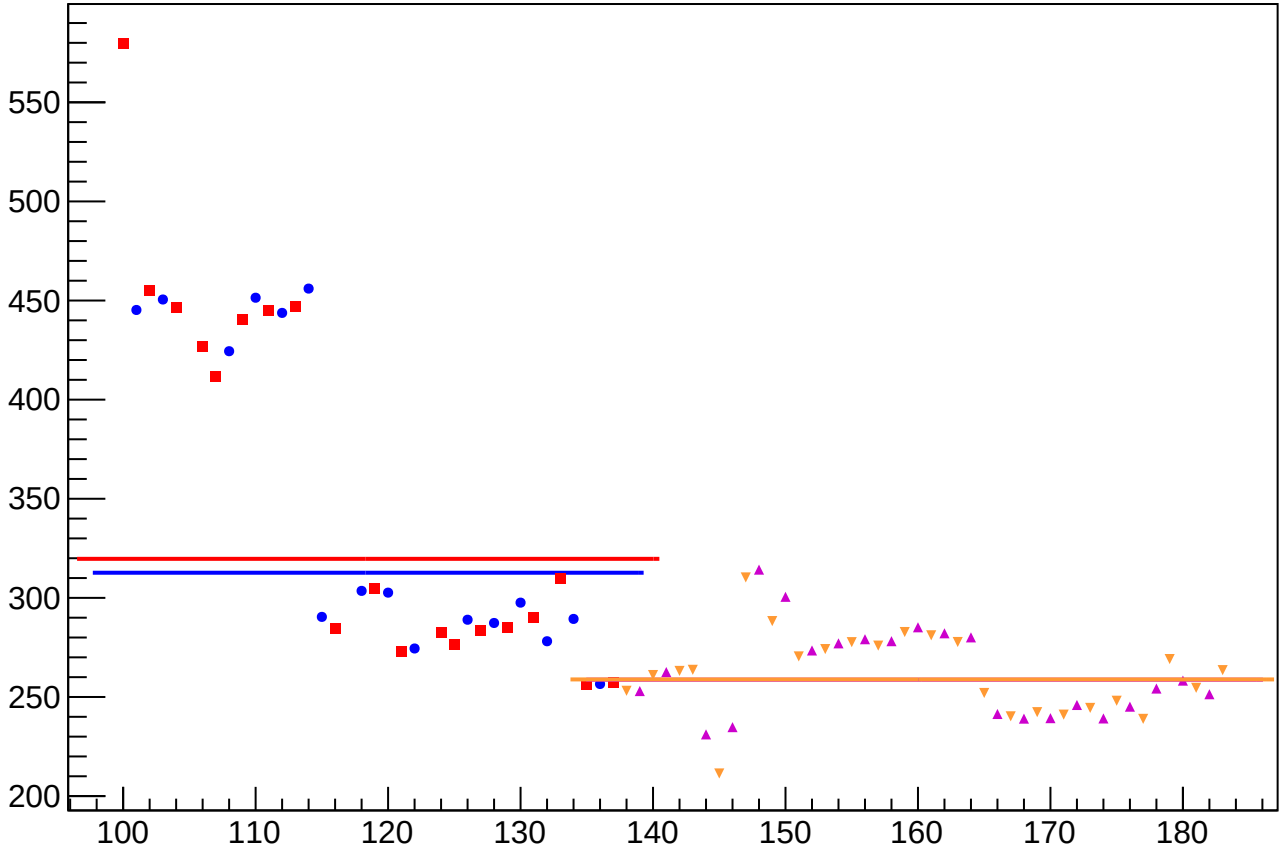
Left In: 161.347+/-61.182 χ^2/NDF:22.4/21

+ sign -165.685+/-53.153 χ^2/NDF: 76.9/39

All: -41.094+/-38.061 χ^2/NDF: 132.1/80

- sign 90.010+/-54.525 χ^2/NDF: 43.9/40

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.858+/-0.042 χ^2/NDF:248615.5/23

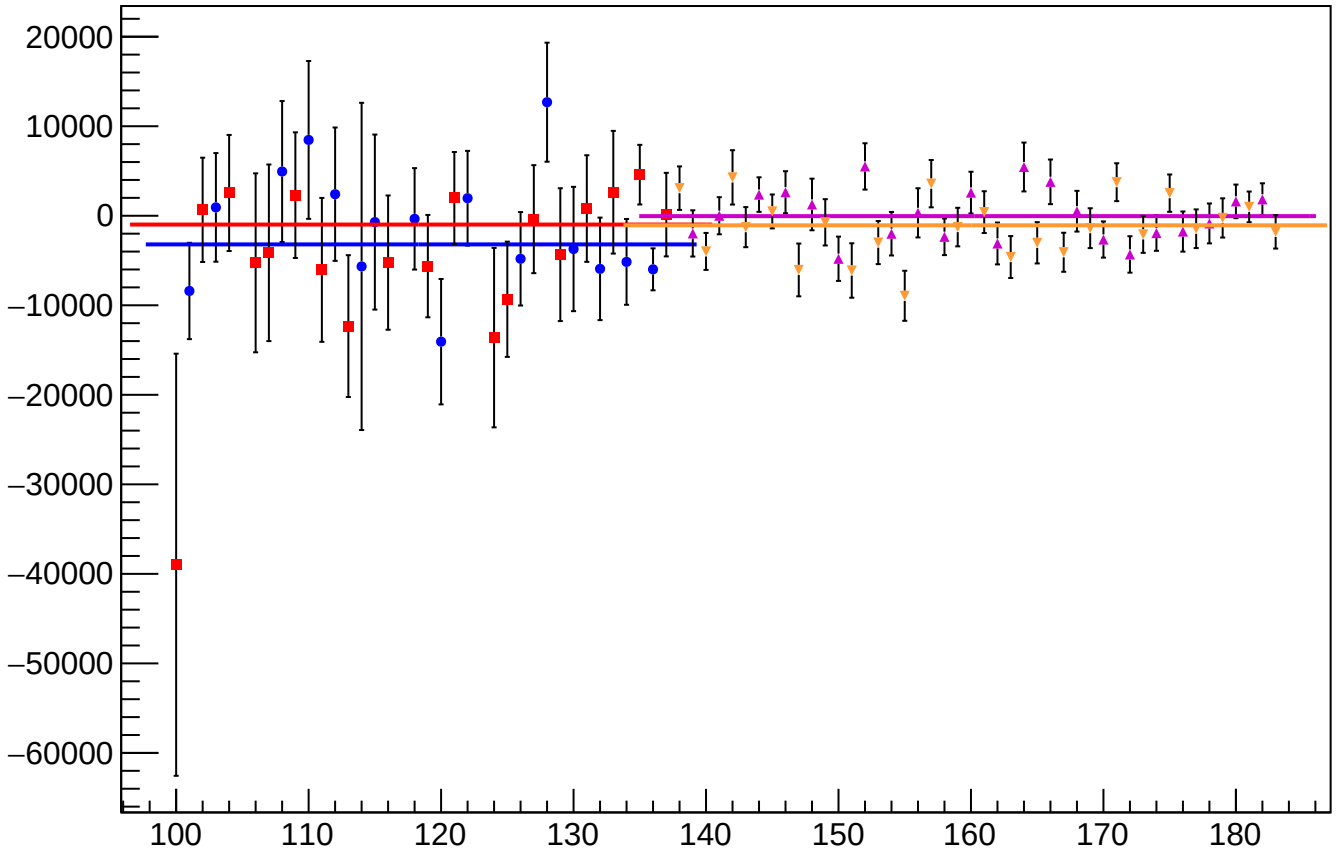
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.724+/-0.043 χ^2/NDF:244459.3/21

+ sign 269.620+/-0.038 χ^2/NDF: 1178881.9/39

All: 270.423+/-0.027 χ^2/NDF: 2526682.5/80

- sign 271.269+/-0.039 χ^2/NDF: 1346861.9/40



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1065.642+/-459.932 χ^2/NDF:41.5/23

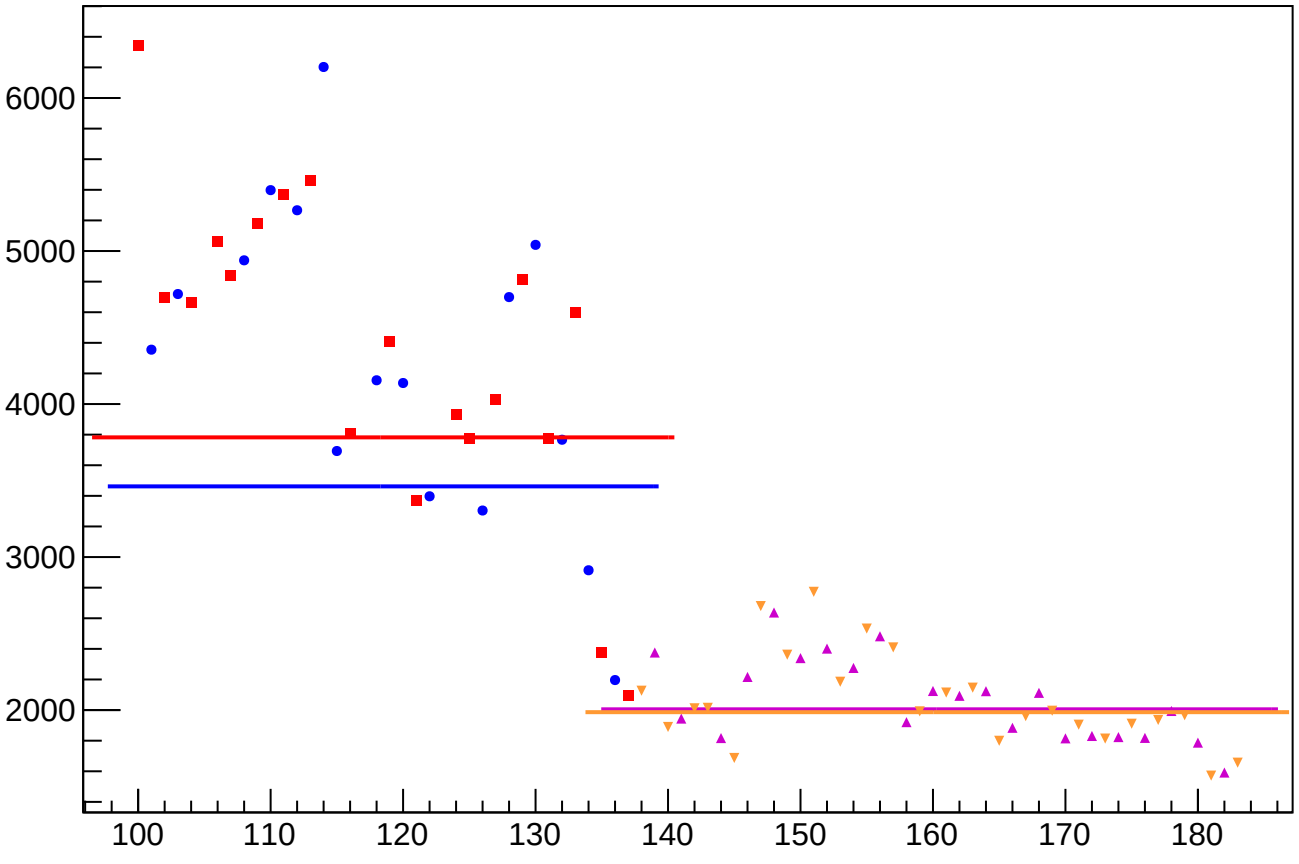
Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -41.188+/-476.833 χ^2/NDF:32.9/21

+ sign -1286.356+/-435.487 χ^2/NDF: 59.8/39

All: -732.390+/-313.886 χ^2/NDF: 110.4/80

- sign -133.440+/-452.824 χ^2/NDF: 47.2/40



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1986.350+/-0.325 χ^2/NDF:718677.0/23

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

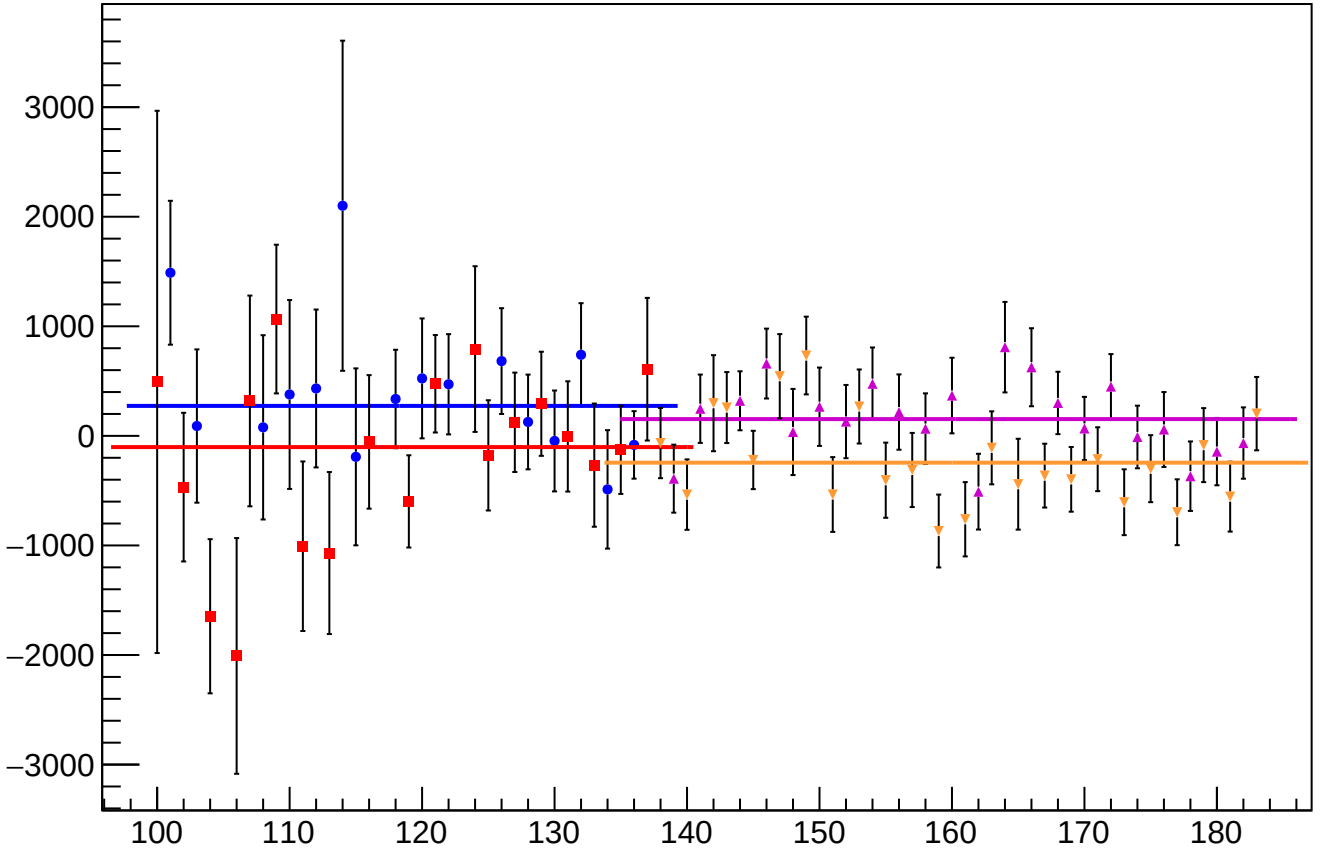
Left In: 2004.967+/-0.337 χ^2/NDF:564140.5/21

+ sign 2139.035+/-0.308 χ^2/NDF: 4158372.0/39

All: 2158.444+/-0.222 χ^2/NDF: 8594460.8/80

- sign 2179.429+/-0.320 χ^2/NDF: 4427820.6/40

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -244.698+/-66.586 χ^2/NDF:33.6/23

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

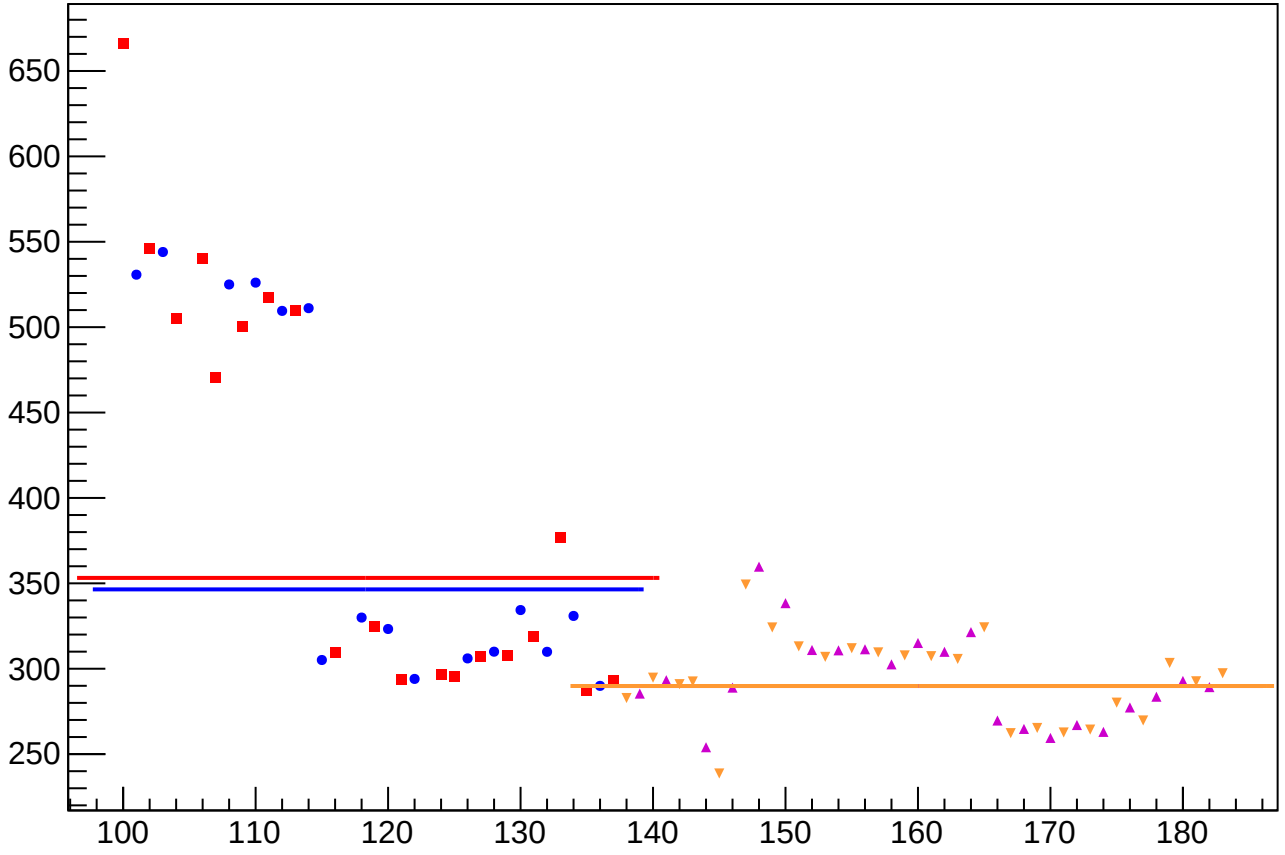
Left In: 153.147+/-68.710 χ^2/NDF:21.5/21

+ sign -140.248+/-59.499 χ^2/NDF: 57.2/39

All: -23.462+/-42.628 χ^2/NDF: 110.9/80

- sign 99.704+/-61.103 χ^2/NDF: 45.7/40

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.885+/-0.047 χ^2/NDF:279965.7/23

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

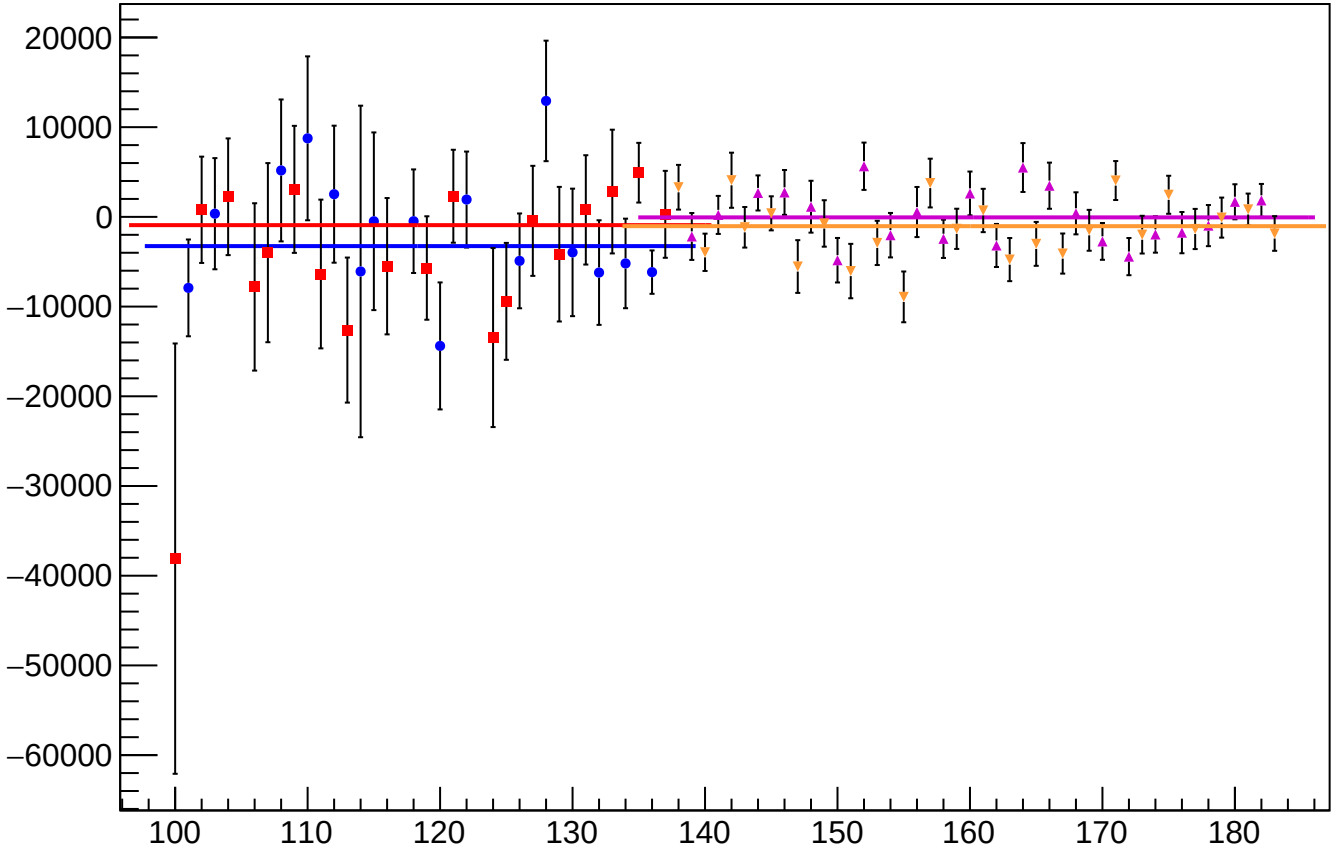
Left In: 289.870+/-0.049 χ^2/NDF:269533.6/21

+ sign 301.286+/-0.042 χ^2/NDF: 1339652.2/39

All: 302.174+/-0.030 χ^2/NDF: 2831594.3/80

- sign 303.111+/-0.043 χ^2/NDF: 1491026.3/40

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1036.277+/-470.286 χ^2/NDF:40.3/23

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

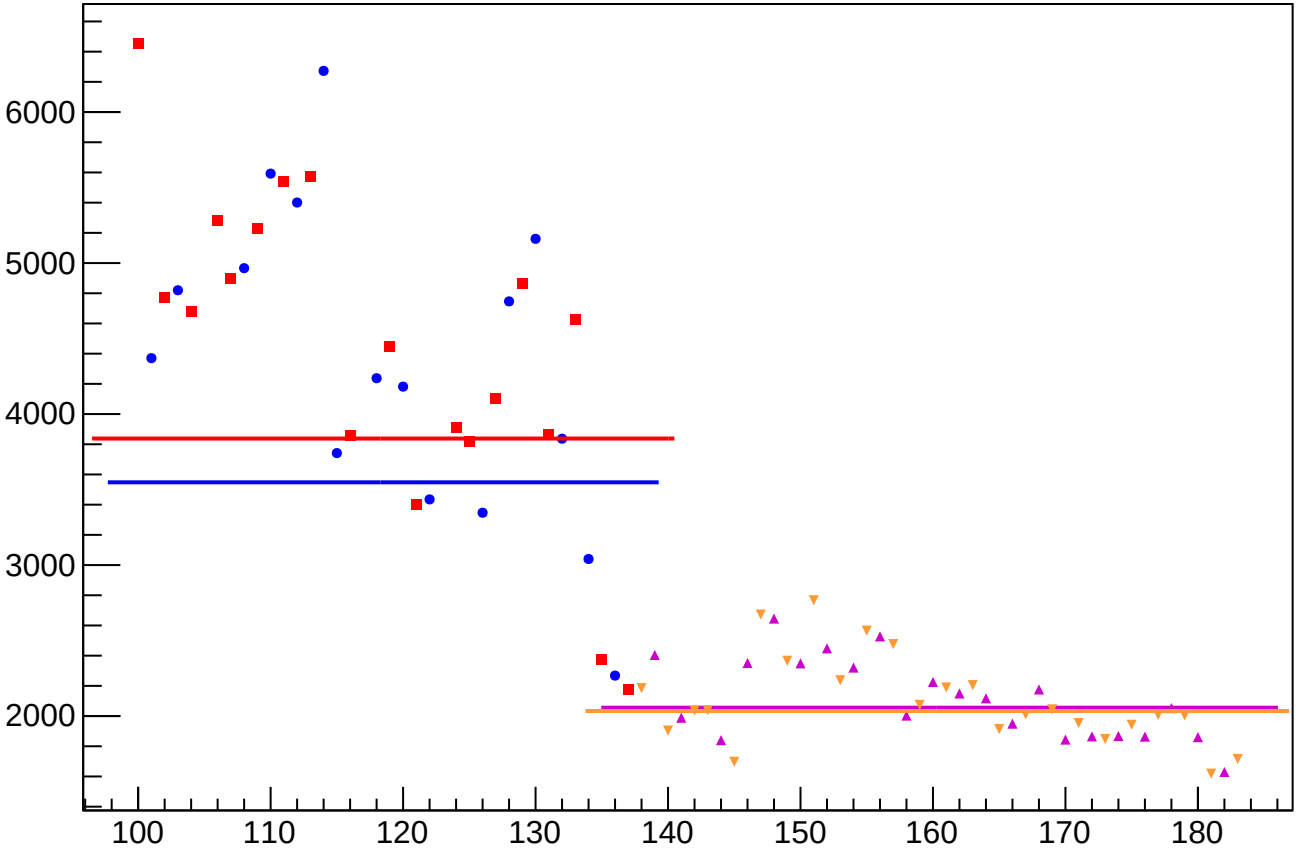
Left In: -56.141+/-488.655 χ^2/NDF:32.9/21

+ sign -1266.300+/-445.286 χ^2/NDF: 58.6/39

All: -727.148+/-321.082 χ^2/NDF: 109.6/80

- sign -143.205+/-463.413 χ^2/NDF: 47.9/40

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2033.456+/-0.333 χ^2/NDF:670635.4/23

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

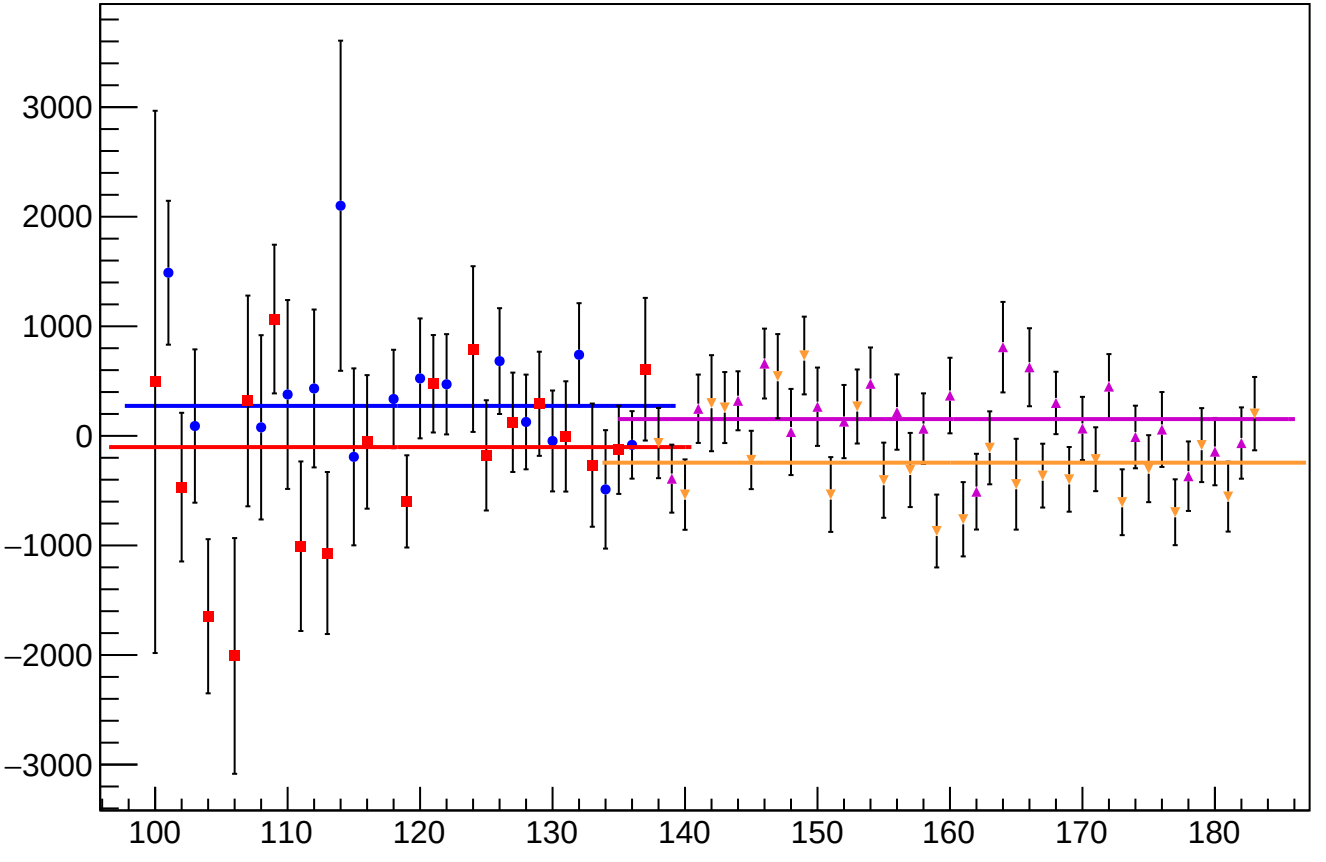
Left In: 2055.461+/-0.346 χ^2/NDF:546261.4/21

+ sign 2190.200+/-0.315 χ^2/NDF: 4075812.2/39

All: 2211.641+/-0.227 χ^2/NDF: 8466028.8/80

- sign 2234.863+/-0.328 χ^2/NDF: 4380557.2/40

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -244.702+/-66.586 χ^2/NDF:33.6/23

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

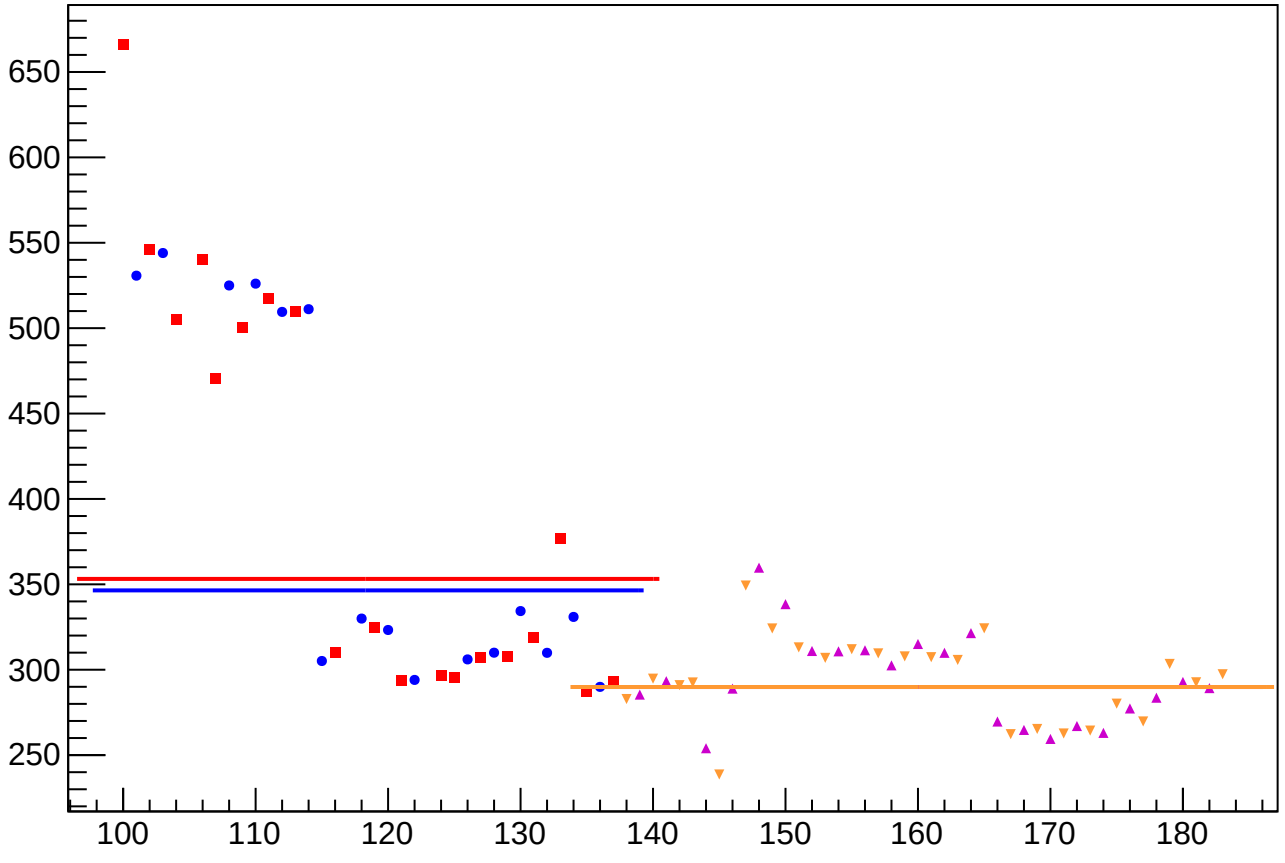
Left In: 153.148+/-68.710 χ^2/NDF:21.5/21

+ sign -140.249+/-59.499 χ^2/NDF: 57.2/39

All: -23.462+/-42.628 χ^2/NDF: 110.9/80

- sign 99.705+/-61.103 χ^2/NDF: 45.7/40

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.885+/-0.047 χ^2/NDF:279971.3/23

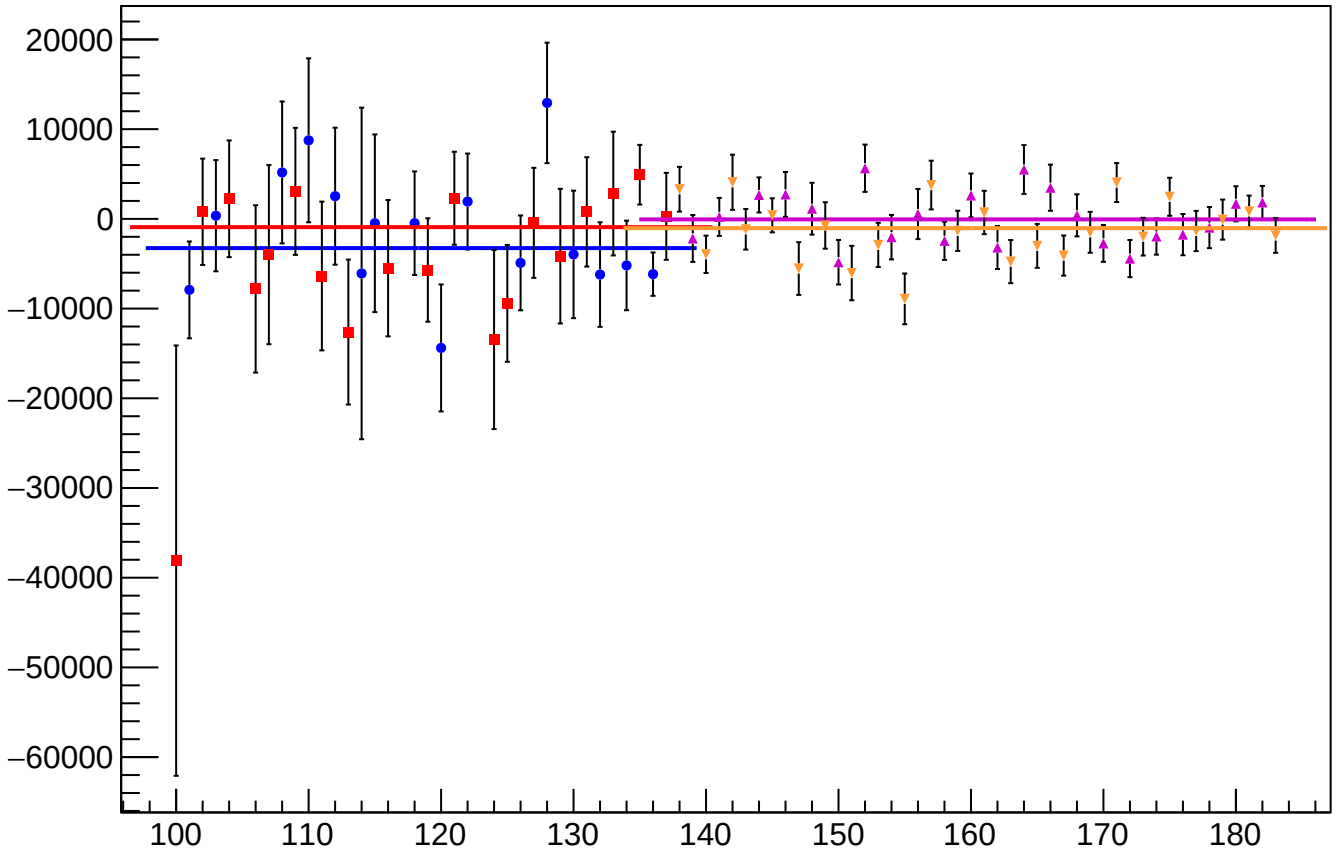
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 289.870+/-0.049 χ^2/NDF:269536.0/21

+ sign 301.286+/-0.042 χ^2/NDF: 1339630.6/39

All: 302.174+/-0.030 χ^2/NDF: 2831552.8/80

- sign 303.111+/-0.043 χ^2/NDF: 1491006.3/40



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1036.277+/-470.286 χ^2/NDF:40.3/23

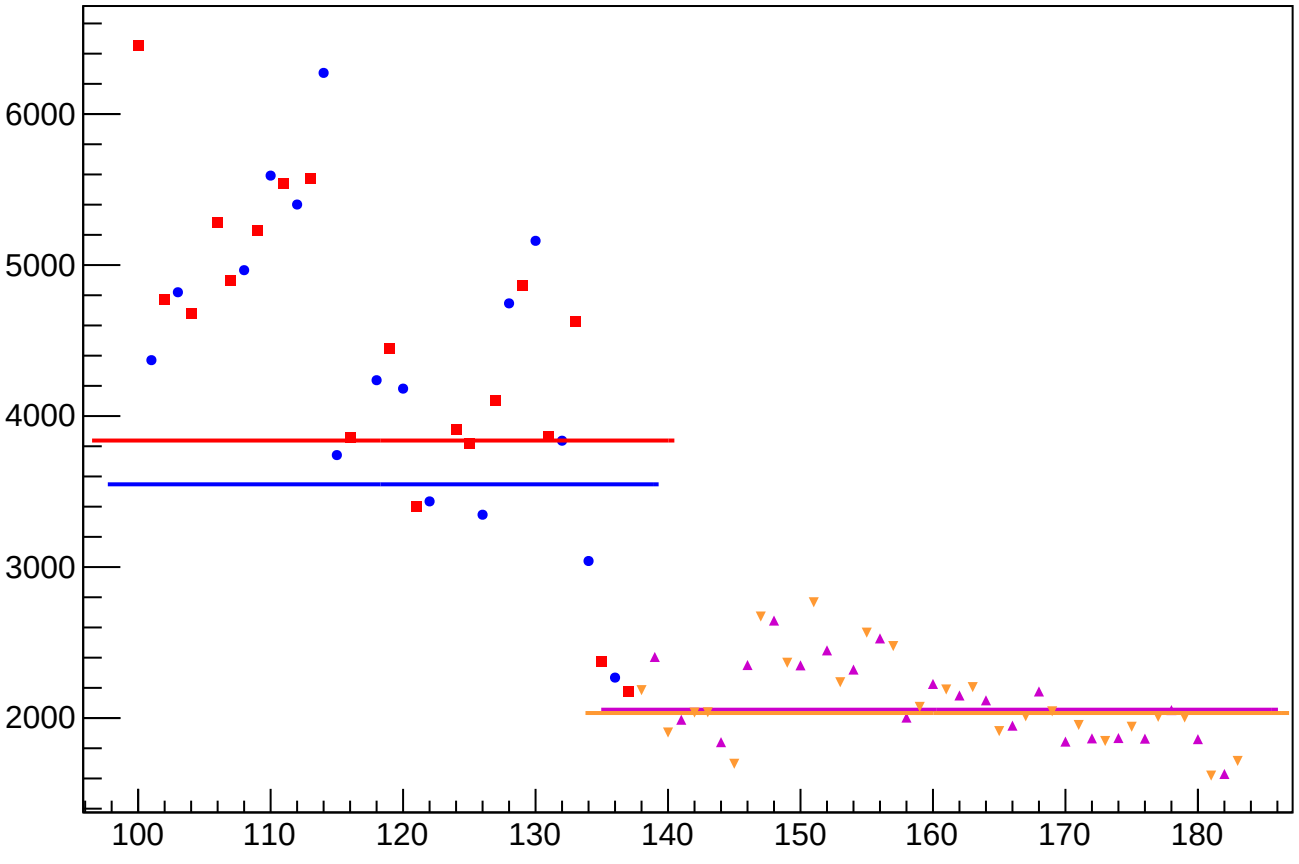
Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -56.142+/-488.655 χ^2/NDF:32.9/21

+ sign -1266.299+/-445.286 χ^2/NDF: 58.6/39

All: -727.148+/-321.082 χ^2/NDF: 109.6/80

- sign -143.207+/-463.413 χ^2/NDF: 47.9/40



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2033.456+/-0.333 χ^2/NDF:670640.0/23

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

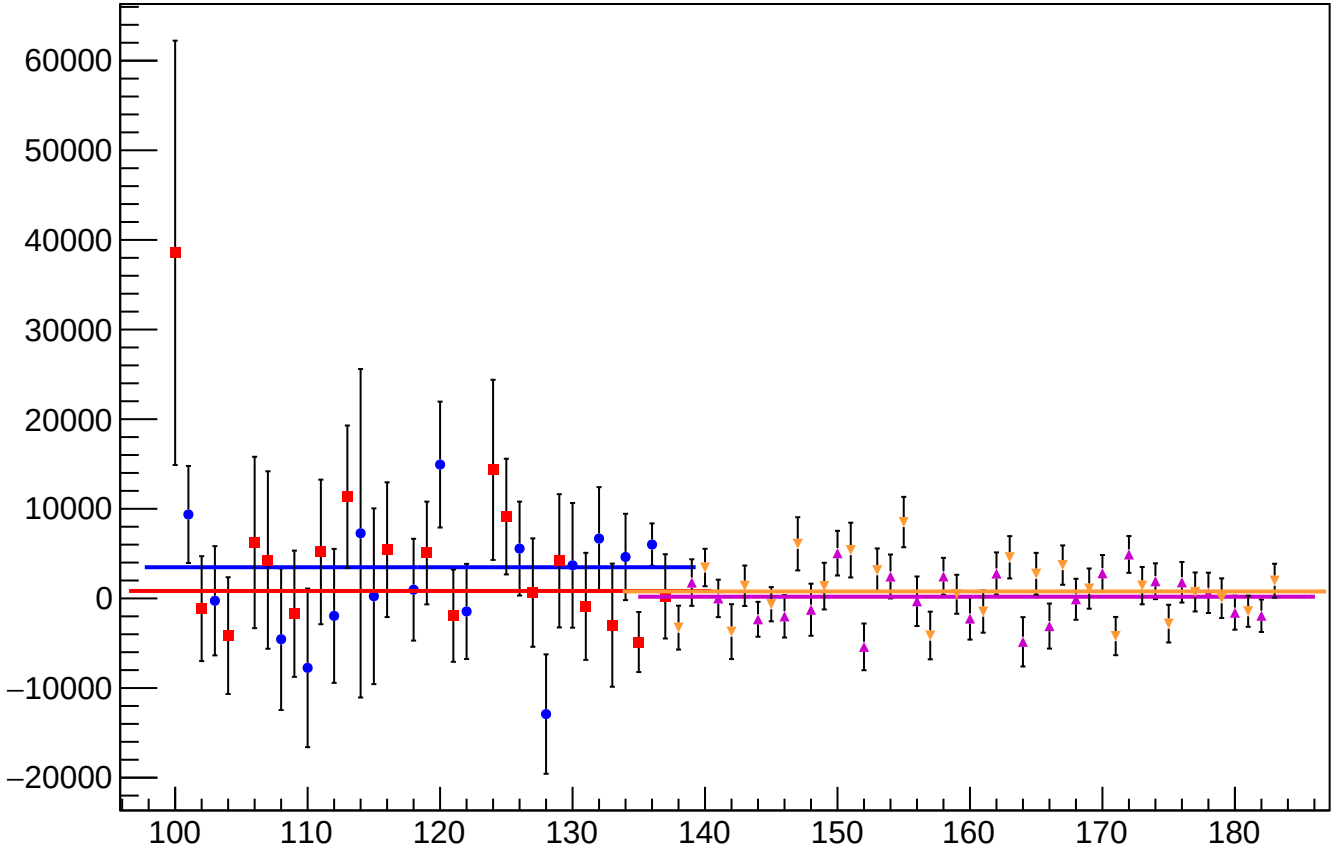
Left In: 2055.460+/-0.346 χ^2/NDF:546266.6/21

+ sign 2190.200+/-0.315 χ^2/NDF: 4075798.4/39

All: 2211.641+/-0.227 χ^2/NDF: 8466004.9/80

- sign 2234.863+/-0.328 χ^2/NDF: 4380547.3/40

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 778.520+/-463.991 χ^2/NDF:41.3/23

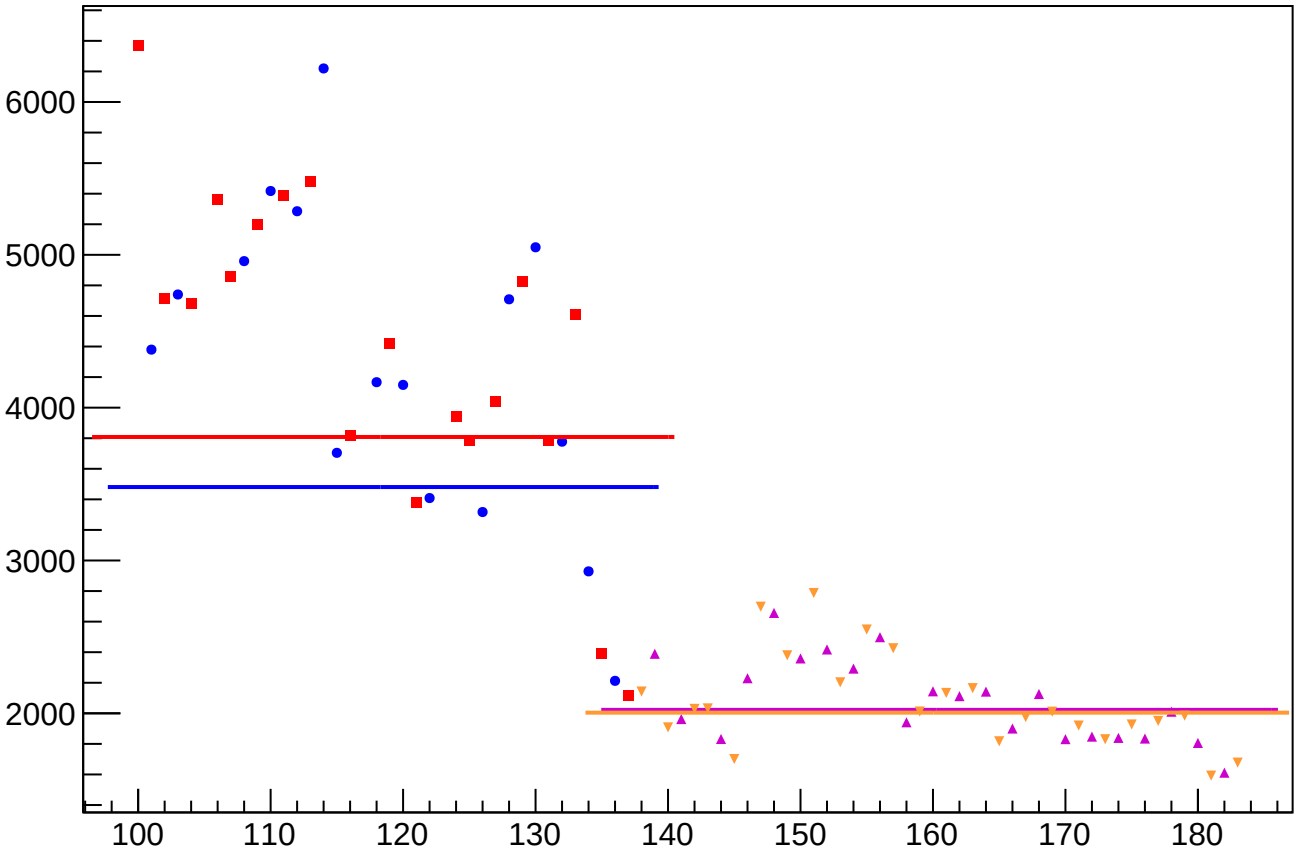
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 186.719+/-480.949 χ^2/NDF:31.5/21

+ sign 1059.878+/-439.149 χ^2/NDF: 61.1/39

All: 670.972+/-316.476 χ^2/NDF: 108.4/80

- sign 250.761+/-456.482 χ^2/NDF: 45.7/40



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2004.406+/-0.328 χ^2/NDF:703997.7/23

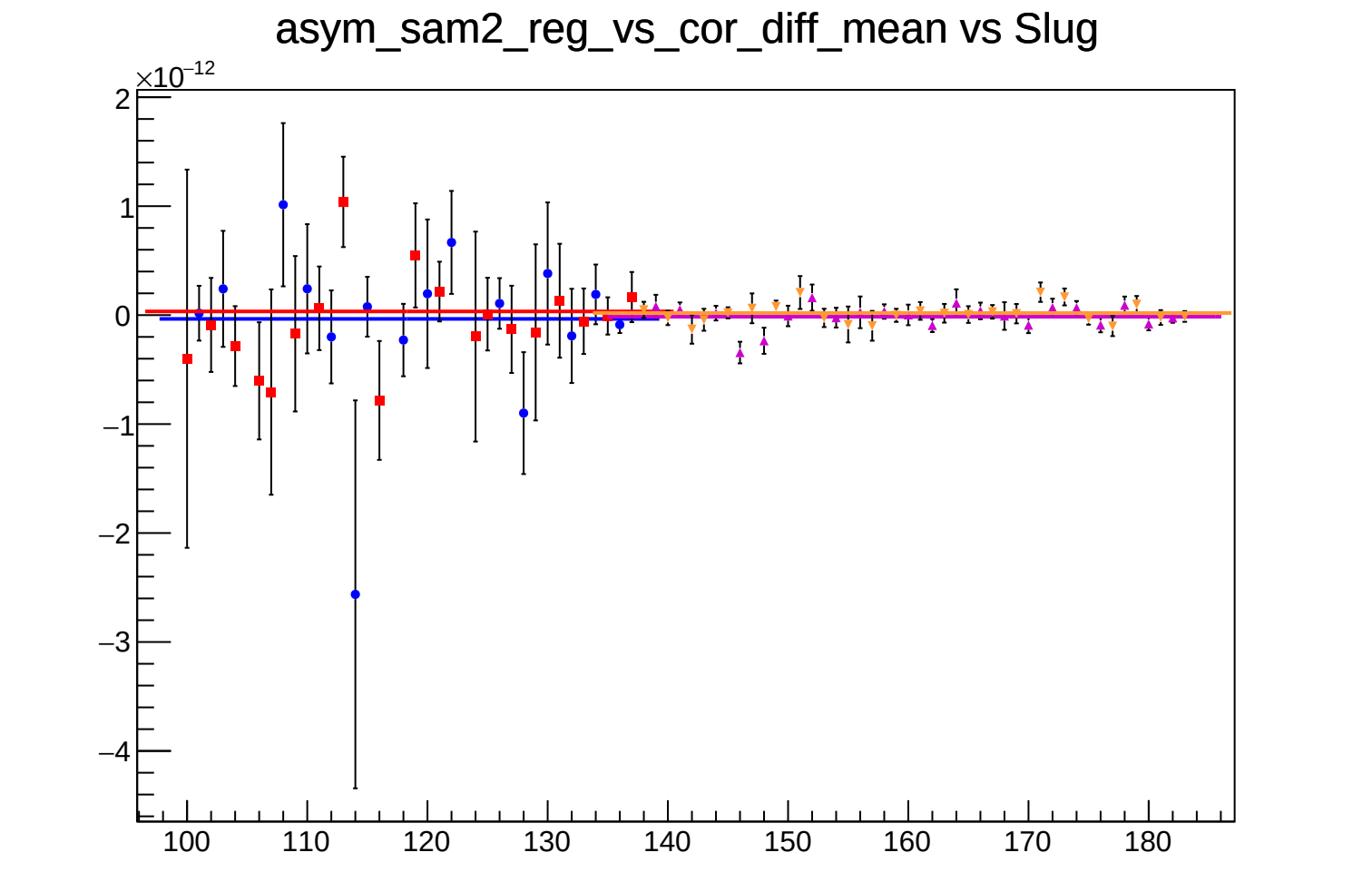
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

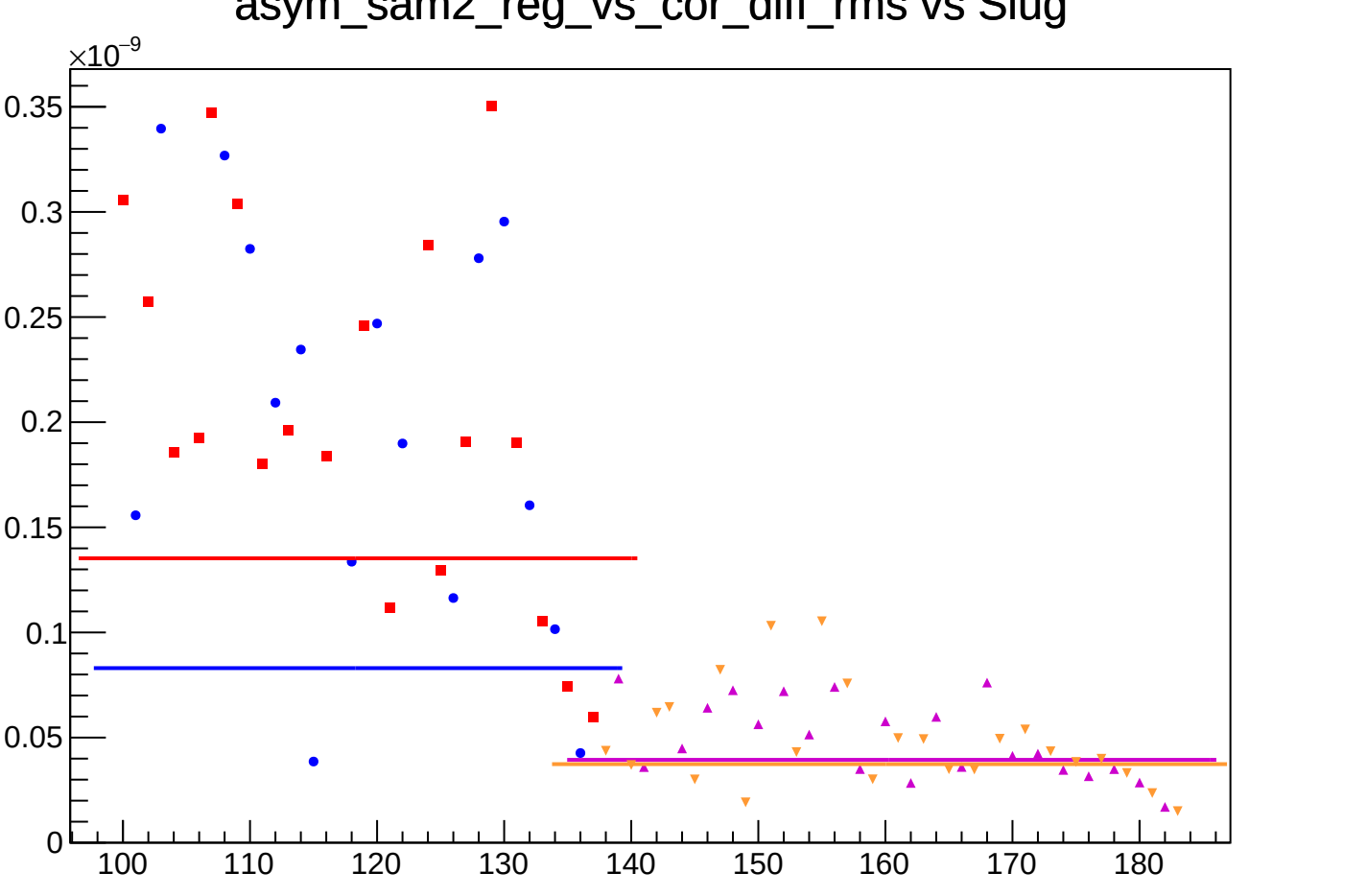
Left In: 2022.686+/-0.340 χ^2/NDF:553126.8/21

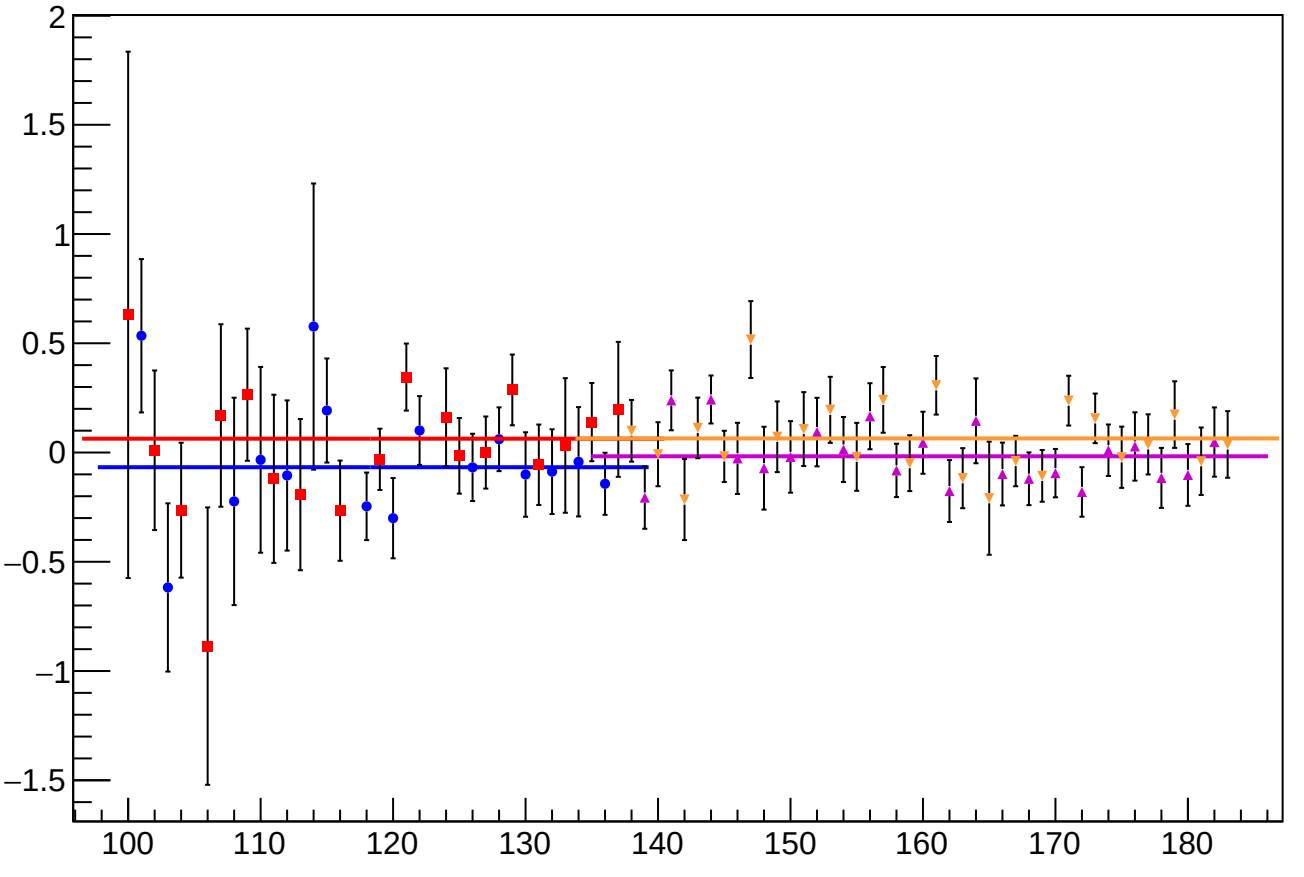
+ sign 2158.240+/-0.311 χ^2/NDF: 4110202.7/39

All: 2178.181+/-0.224 χ^2/NDF: 8552578.3/80

- sign 2199.727+/-0.323 χ^2/NDF: 4433795.9/40


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:19.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:30.6/21
+ sign 0.000+/-0.000 χ²/NDF: 32.1/39
All: 0.000+/-0.000 χ²/NDF: 78.4/80
- sign -0.000+/-0.000 χ²/NDF: 44.5/40


asym_sam2_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2702339.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2318725.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:1896989.0/21
+ sign 0.000+/-0.000 χ²/NDF: 6088163.5/39
All: 0.000+/-0.000 χ²/NDF: 11878868.9/80
- sign 0.000+/-0.000 χ²/NDF: 5759345.8/40



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.029 χ^2/NDF:26.5/23

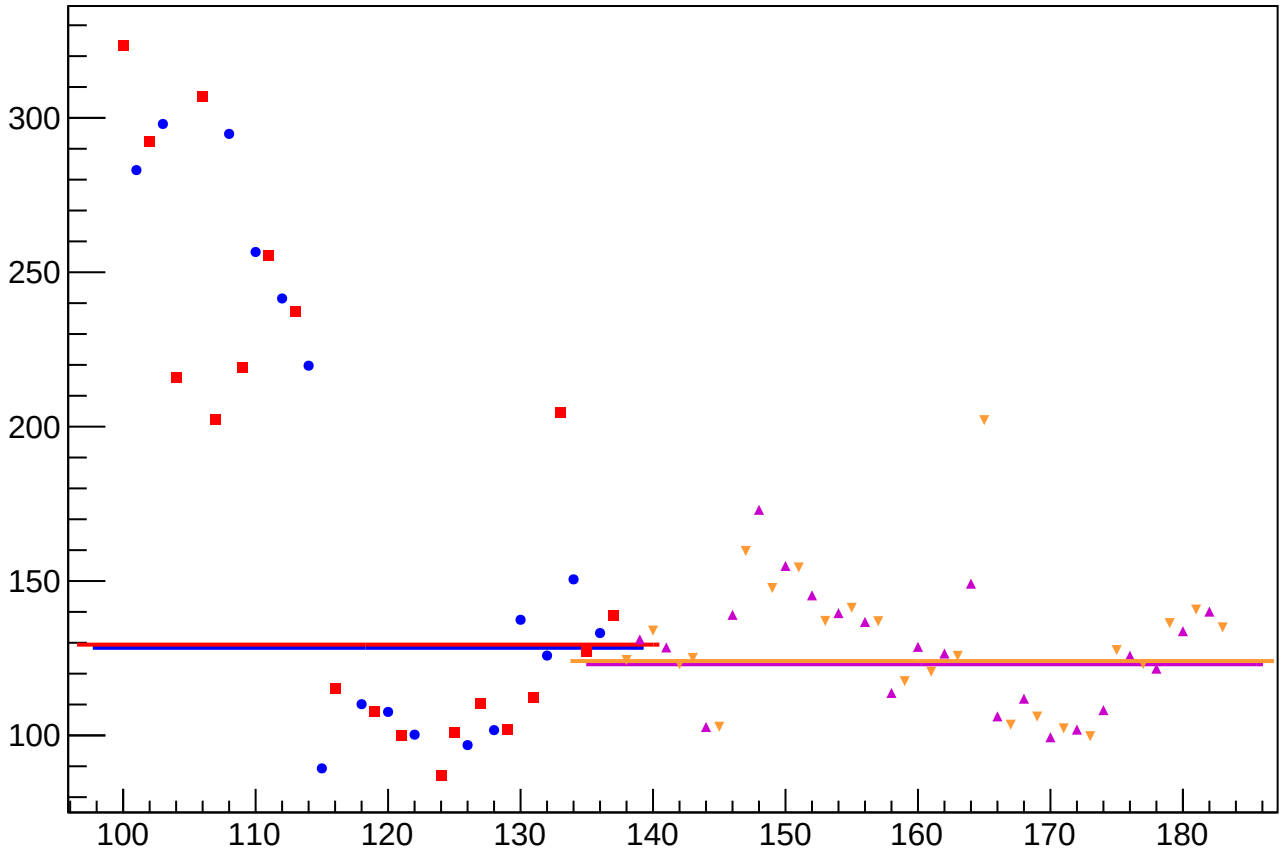
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.017+/-0.030 χ^2/NDF:20.2/21

+ sign 0.033+/-0.025 χ^2/NDF: 43.9/39

All: 0.018+/-0.018 χ^2/NDF: 80.7/80

- sign 0.003+/-0.026 χ^2/NDF: 36.0/40



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.080+/-0.020 χ^2/NDF:830288.0/23

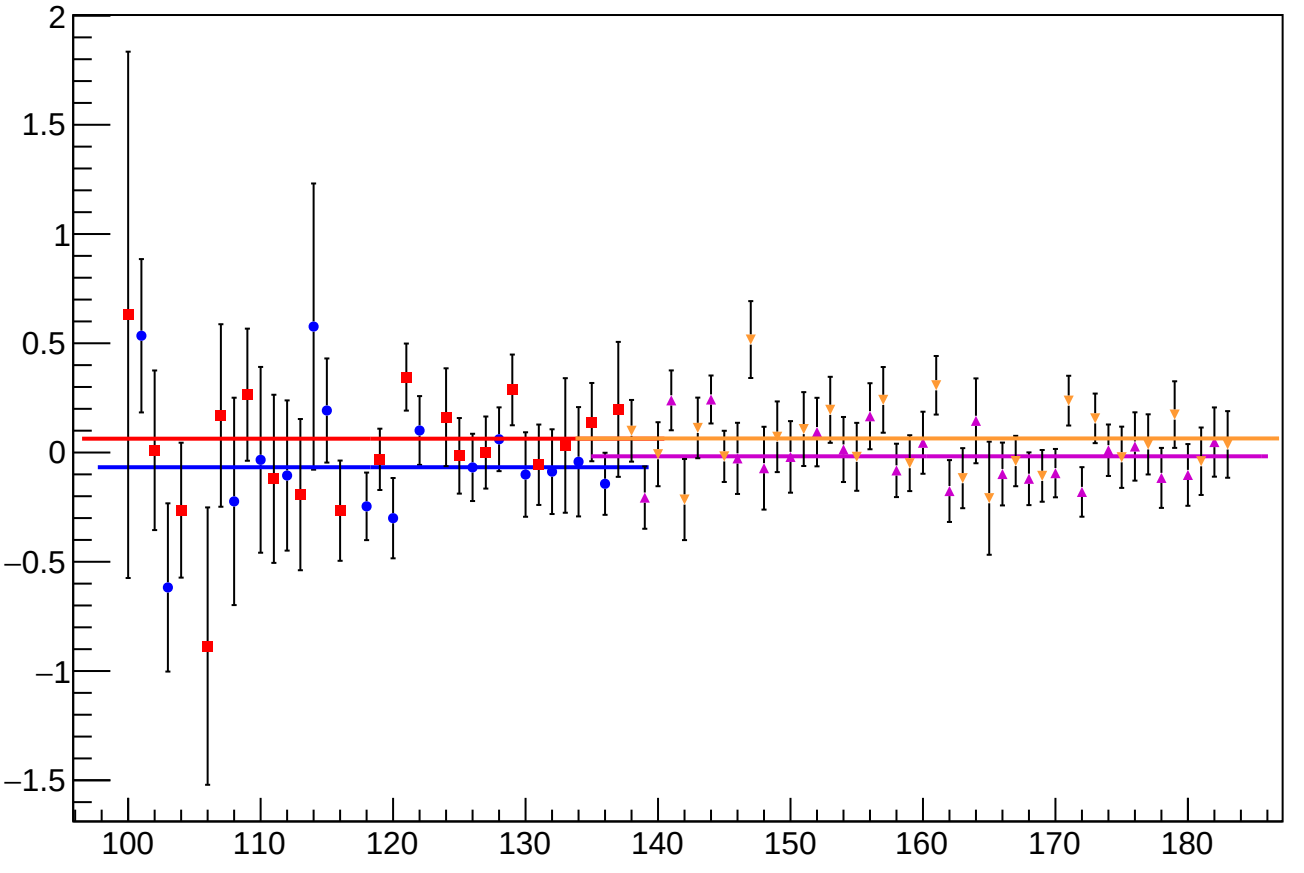
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 123.039+/-0.021 χ^2/NDF:718746.3/21

+ sign 125.097+/-0.018 χ^2/NDF: 2645899.4/39

All: 124.858+/-0.013 χ^2/NDF: 5276143.4/80

- sign 124.610+/-0.018 χ^2/NDF: 2629877.2/40



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.029 χ^2/NDF:26.5/23

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

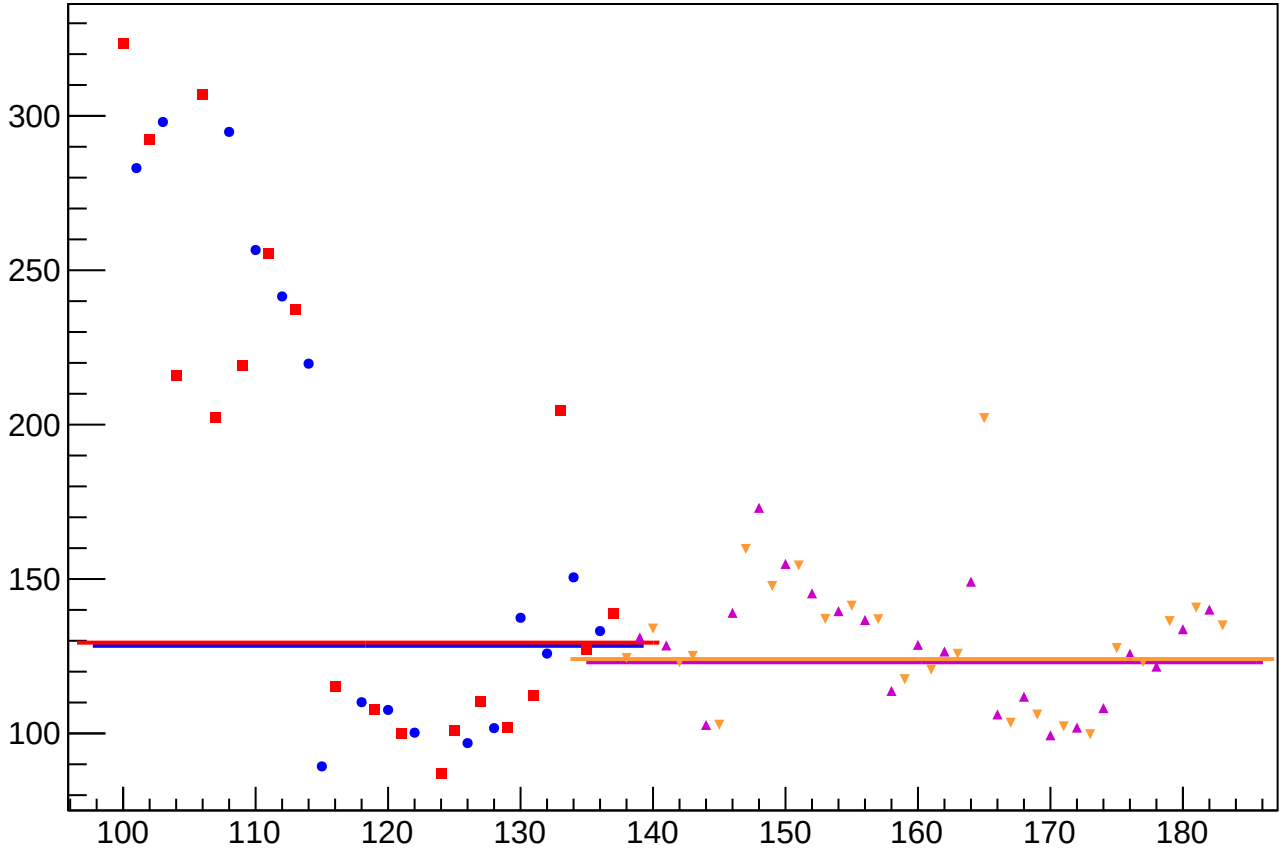
Left In: -0.017+/-0.030 χ^2/NDF:20.2/21

+ sign 0.033+/-0.025 χ^2/NDF: 43.9/39

All: 0.018+/-0.018 χ^2/NDF: 80.7/80

- sign 0.003+/-0.026 χ^2/NDF: 36.0/40

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.080+/-0.020 χ^2/NDF:830288.0/23

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

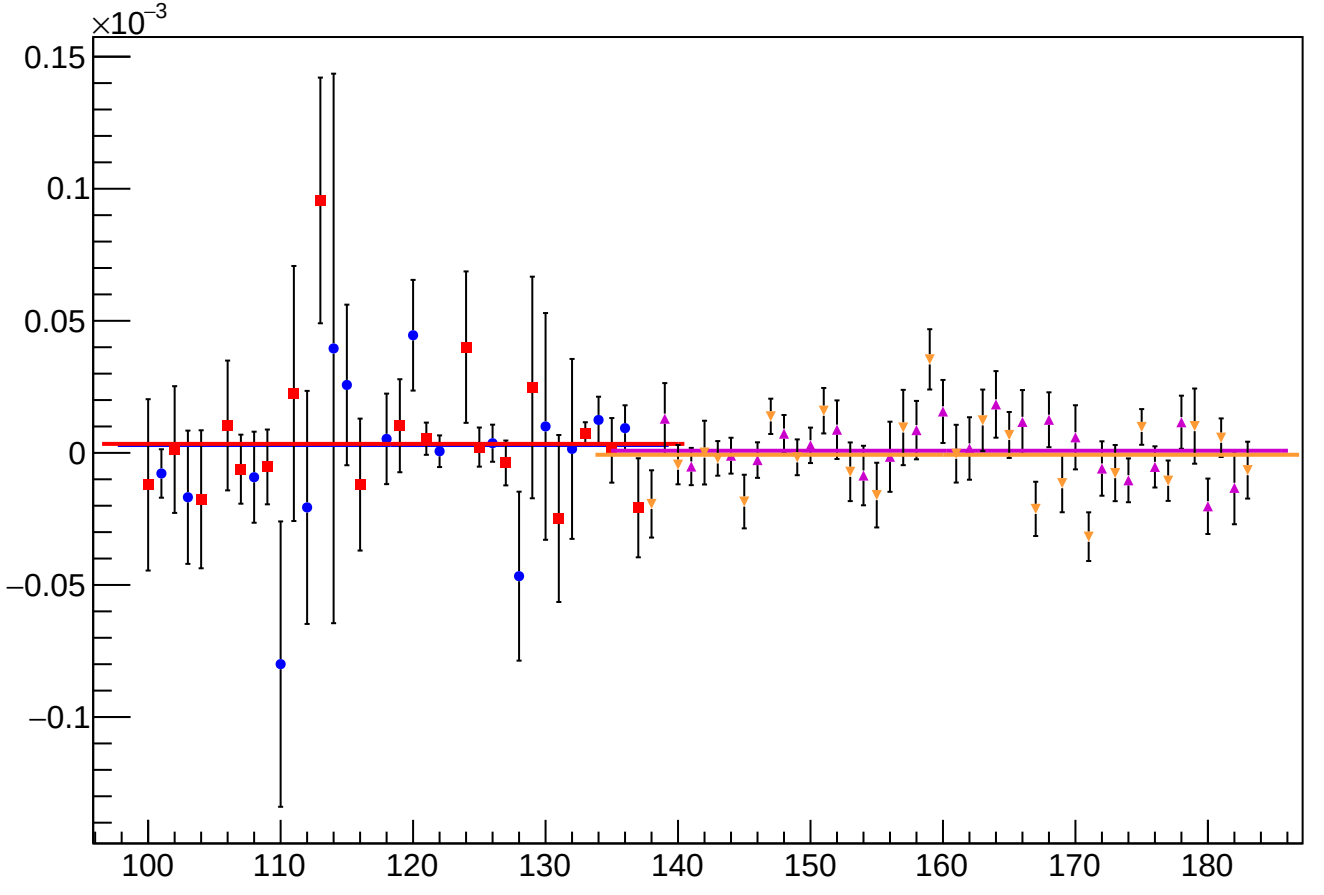
Left In: 123.039+/-0.021 χ^2/NDF:718746.3/21

+ sign 125.097+/-0.018 χ^2/NDF: 2645899.4/39

All: 124.858+/-0.013 χ^2/NDF: 5276143.4/80

- sign 124.610+/-0.018 χ^2/NDF: 2629877.2/40

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

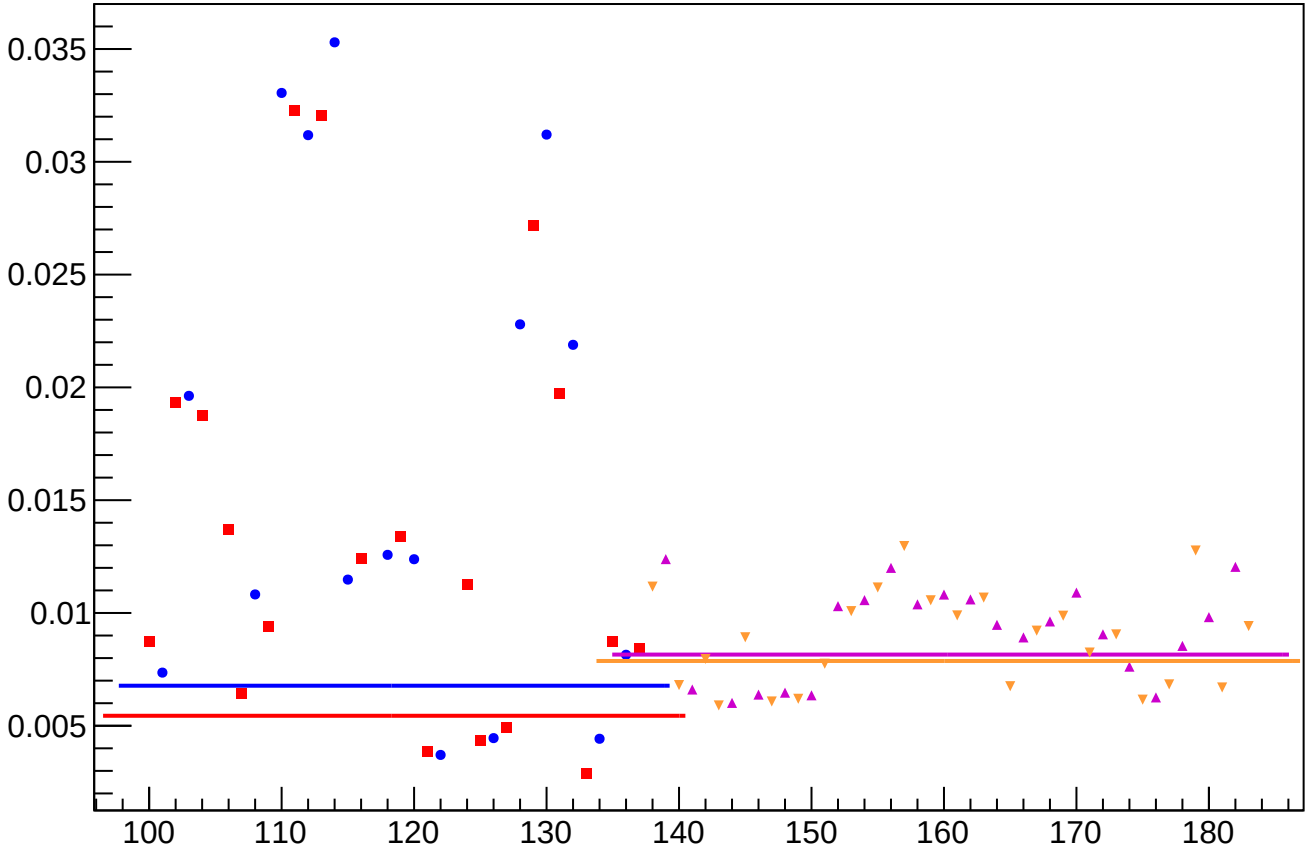
Left In: 0.000+/-0.000 χ^2/NDF:19.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/39

All: 0.000+/-0.000 χ^2/NDF: 99.0/80

- sign 0.000+/-0.000 χ^2/NDF: 32.6/40

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:2073643.0/23

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

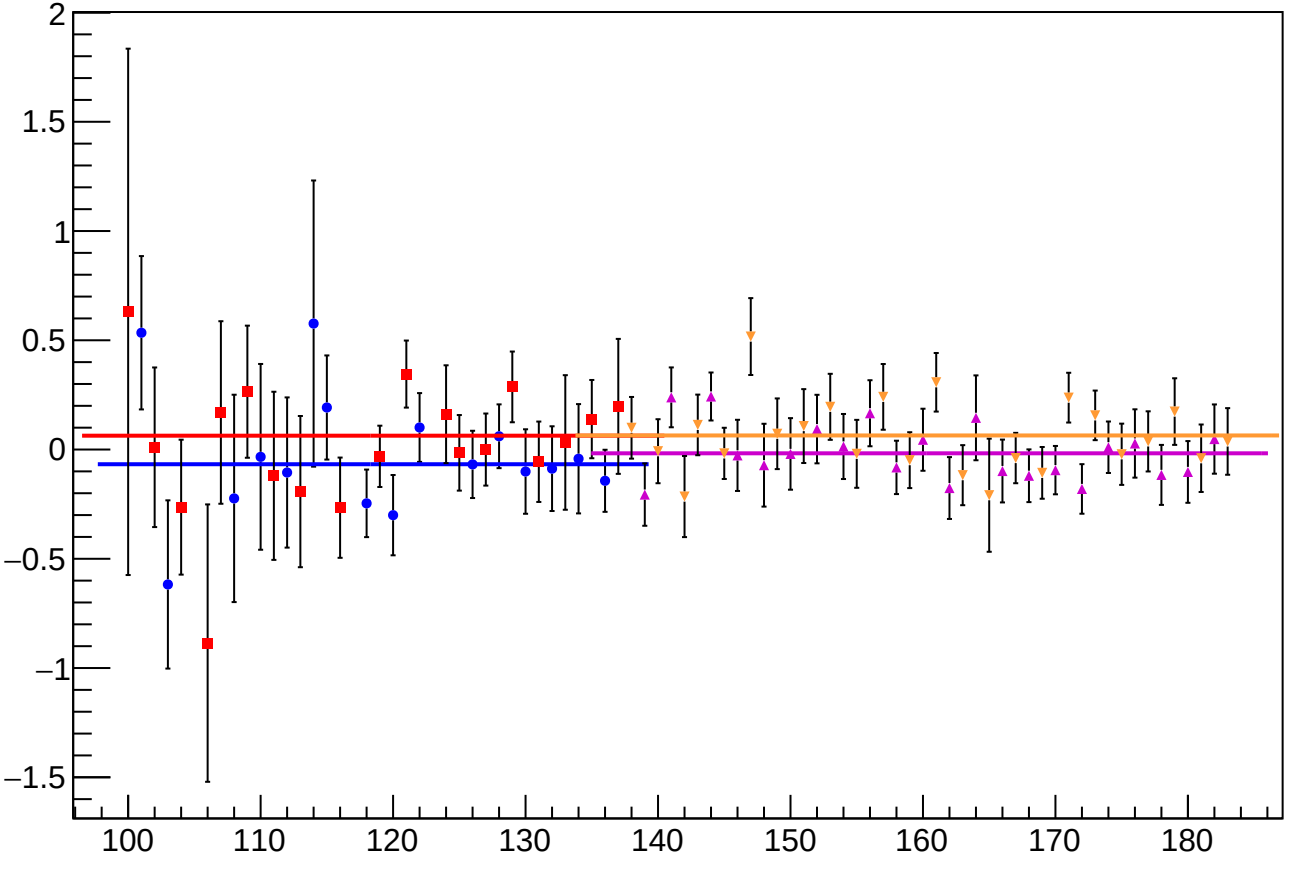
Left In: 0.008+/-0.000 χ^2/NDF:2017675.5/21

+ sign 0.008+/-0.000 χ^2/NDF: 7026183.3/39

All: 0.007+/-0.000 χ^2/NDF: 16063822.1/80

- sign 0.007+/-0.000 χ^2/NDF: 8960371.8/40

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.029 χ^2/NDF:26.5/23

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

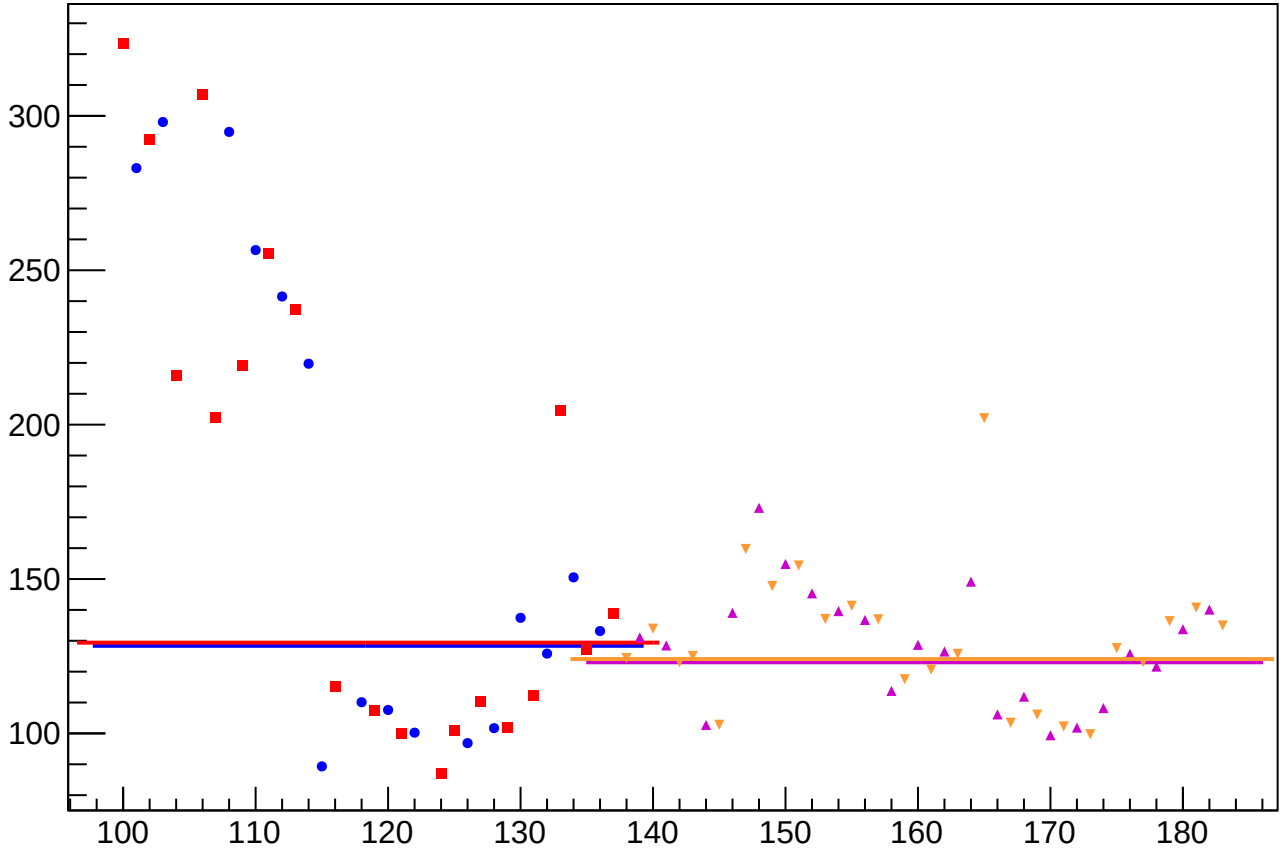
Left In: -0.017+/-0.030 χ^2/NDF:20.2/21

+ sign 0.033+/-0.025 χ^2/NDF: 43.9/39

All: 0.018+/-0.018 χ^2/NDF: 80.7/80

- sign 0.003+/-0.026 χ^2/NDF: 36.0/40

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.080+/-0.020 χ^2/NDF:830337.8/23

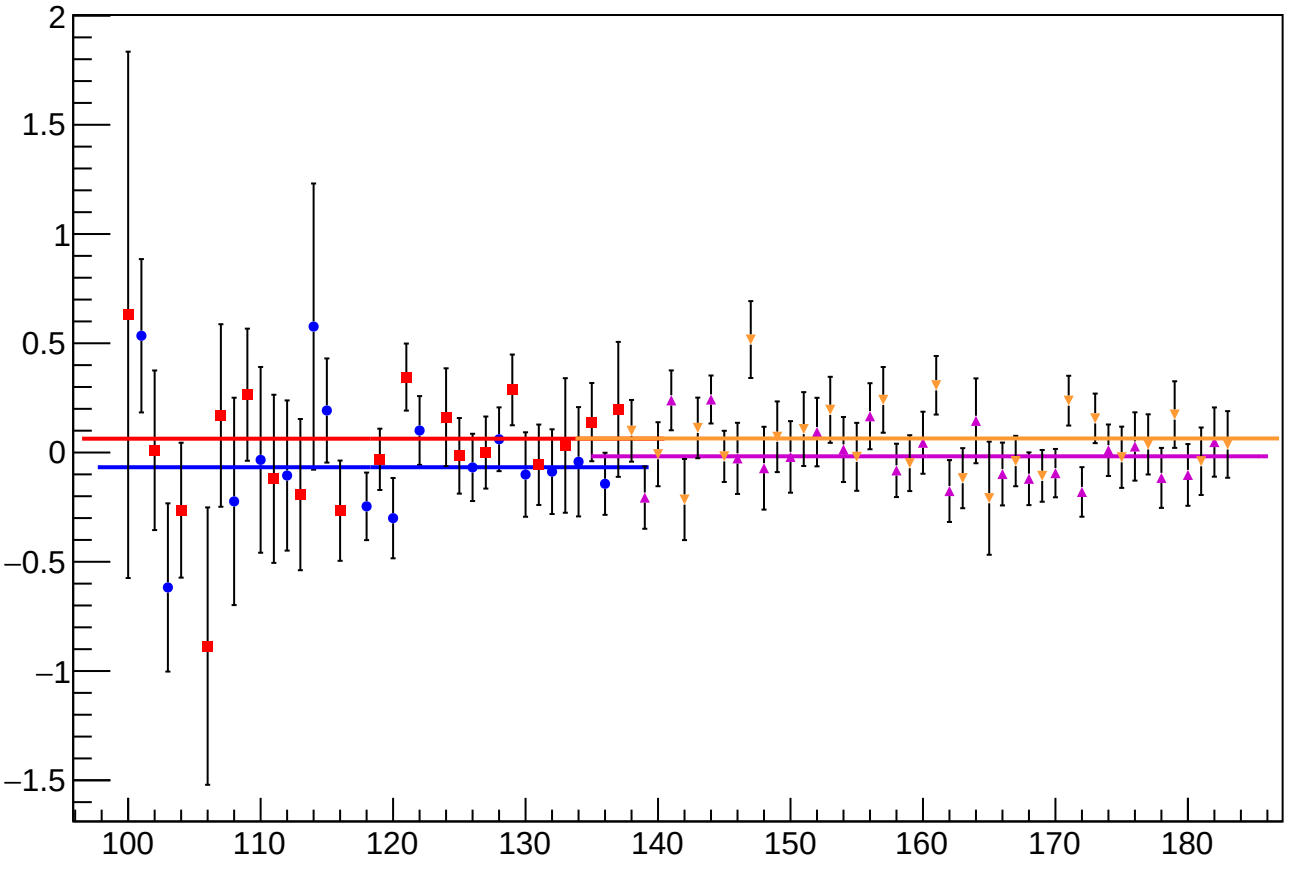
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 123.039+/-0.021 χ^2/NDF:718769.6/21

+ sign 125.097+/-0.018 χ^2/NDF: 2645883.7/39

All: 124.858+/-0.013 χ^2/NDF: 5276132.2/80

- sign 124.610+/-0.018 χ^2/NDF: 2629881.6/40



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.029 χ^2/NDF:26.5/23

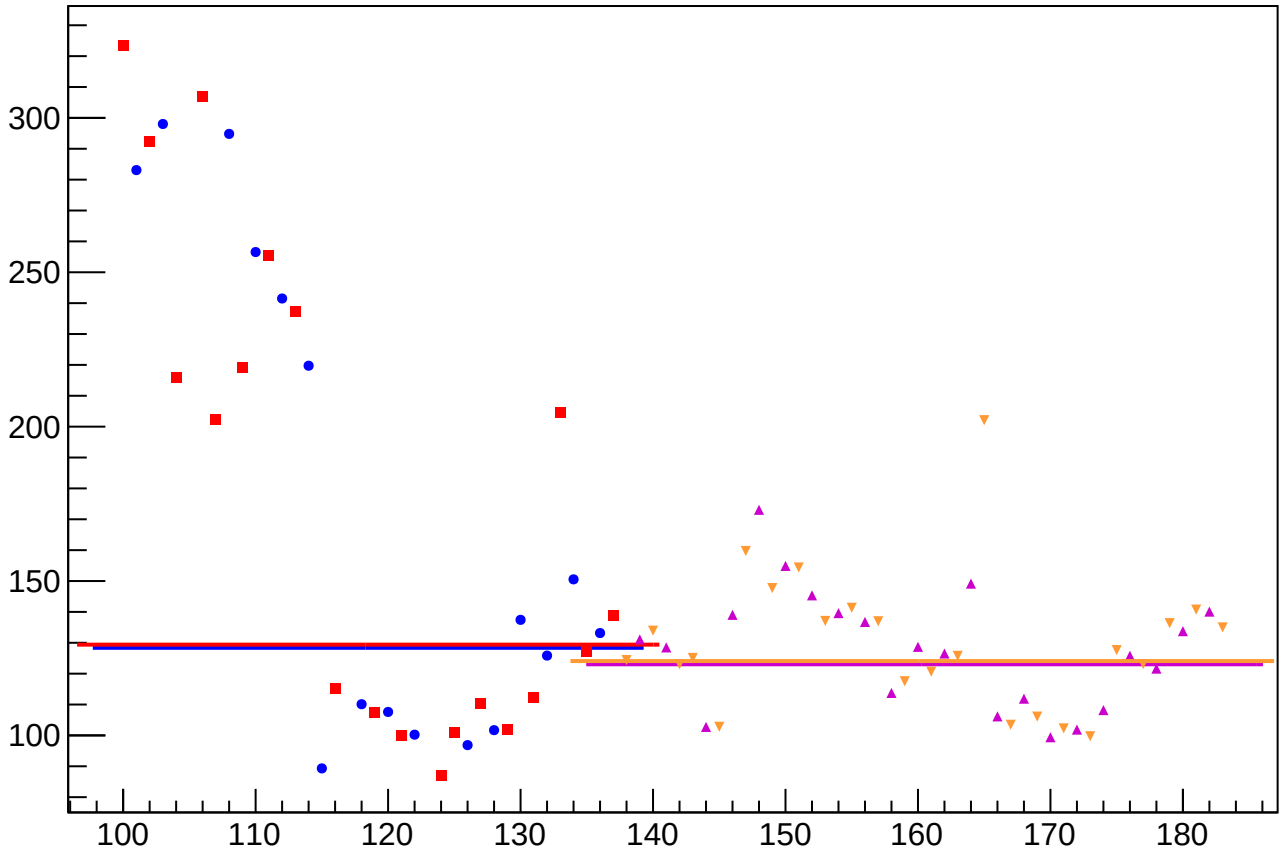
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.017+/-0.030 χ^2/NDF:20.2/21

+ sign 0.033+/-0.025 χ^2/NDF: 43.9/39

All: 0.018+/-0.018 χ^2/NDF: 80.7/80

- sign 0.003+/-0.026 χ^2/NDF: 36.0/40



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.080+/-0.020 χ^2/NDF:830337.8/23

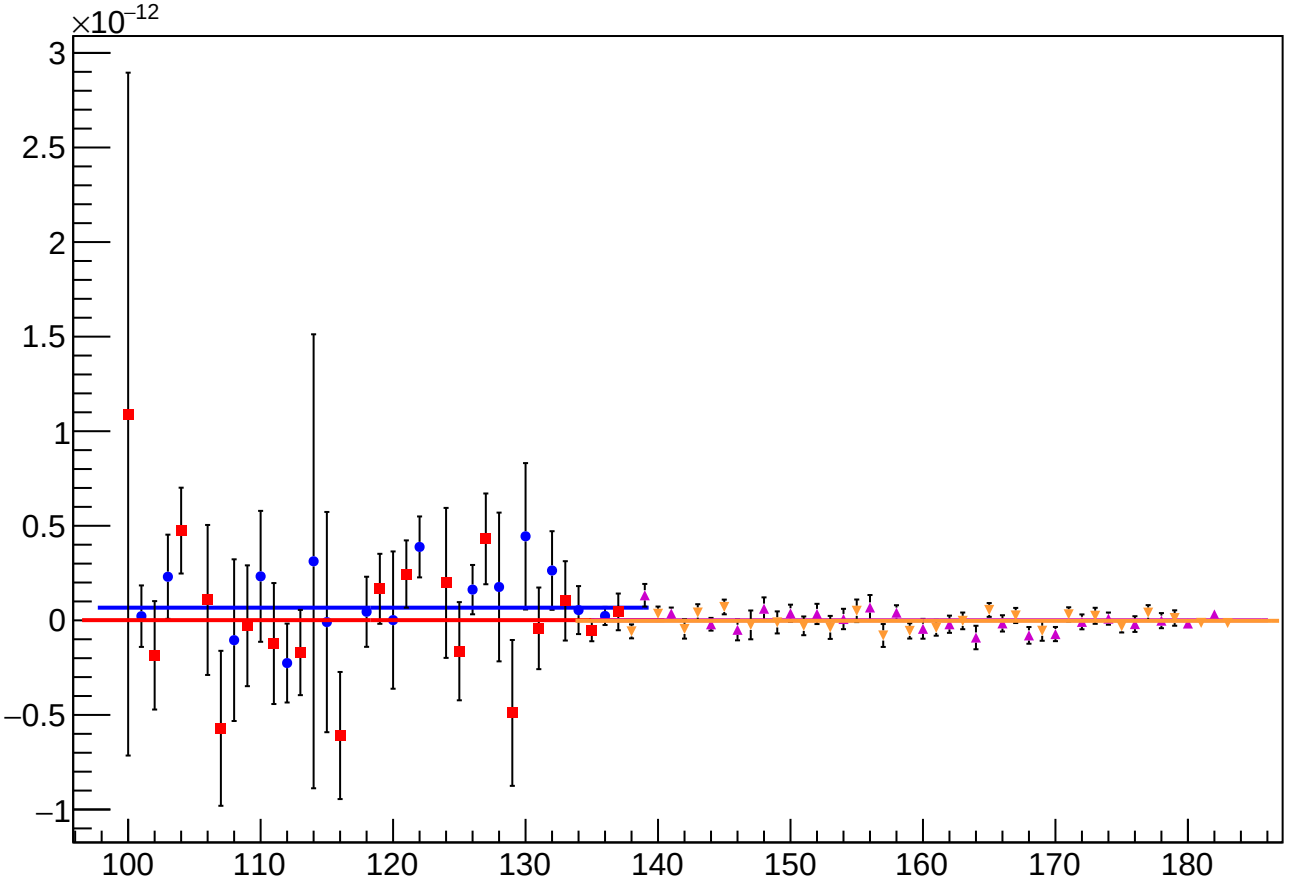
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 123.039+/-0.021 χ^2/NDF:718769.6/21

+ sign 125.097+/-0.018 χ^2/NDF: 2645883.7/39

All: 124.858+/-0.013 χ^2/NDF: 5276132.2/80

- sign 124.610+/-0.018 χ^2/NDF: 2629881.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

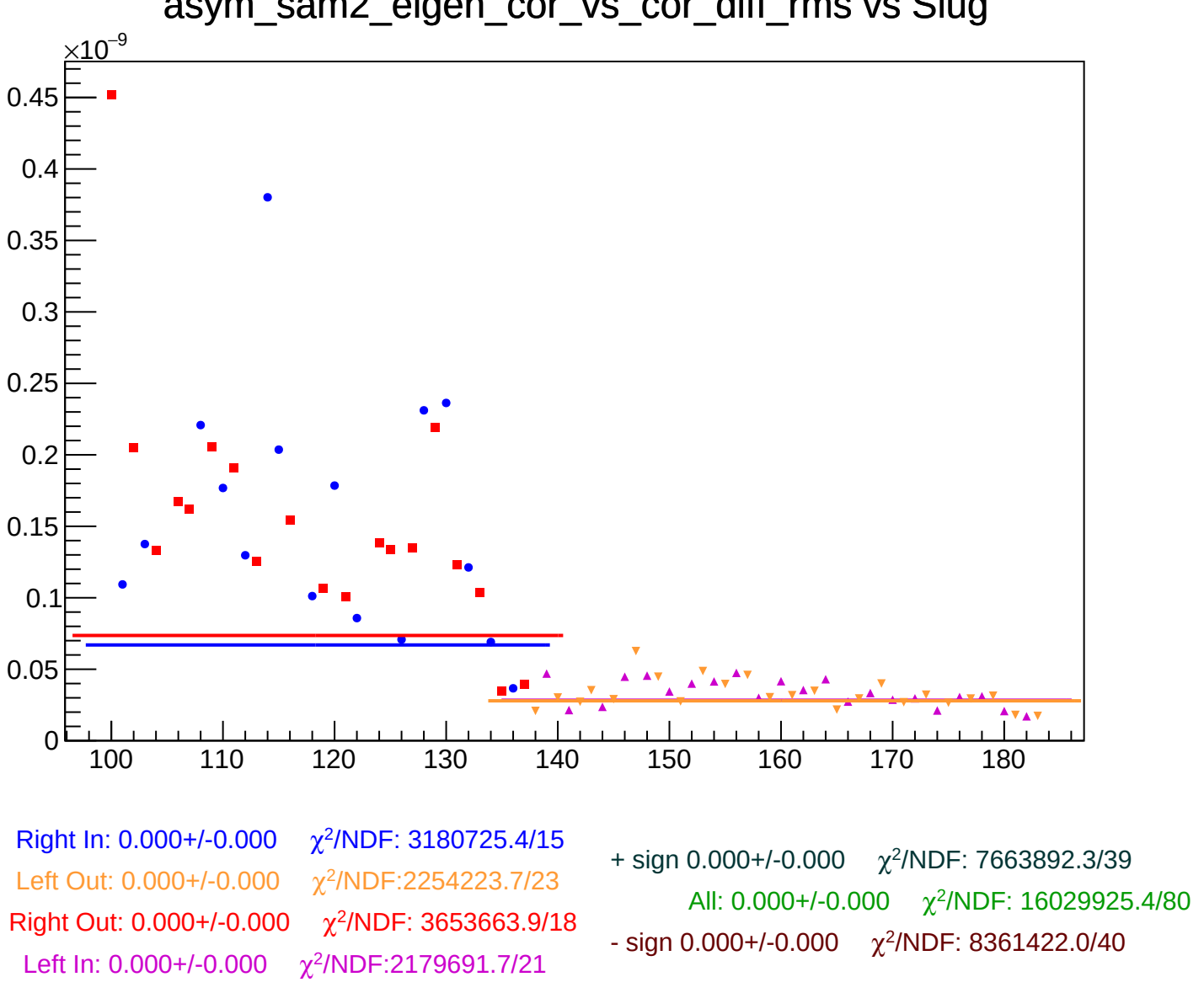
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/21

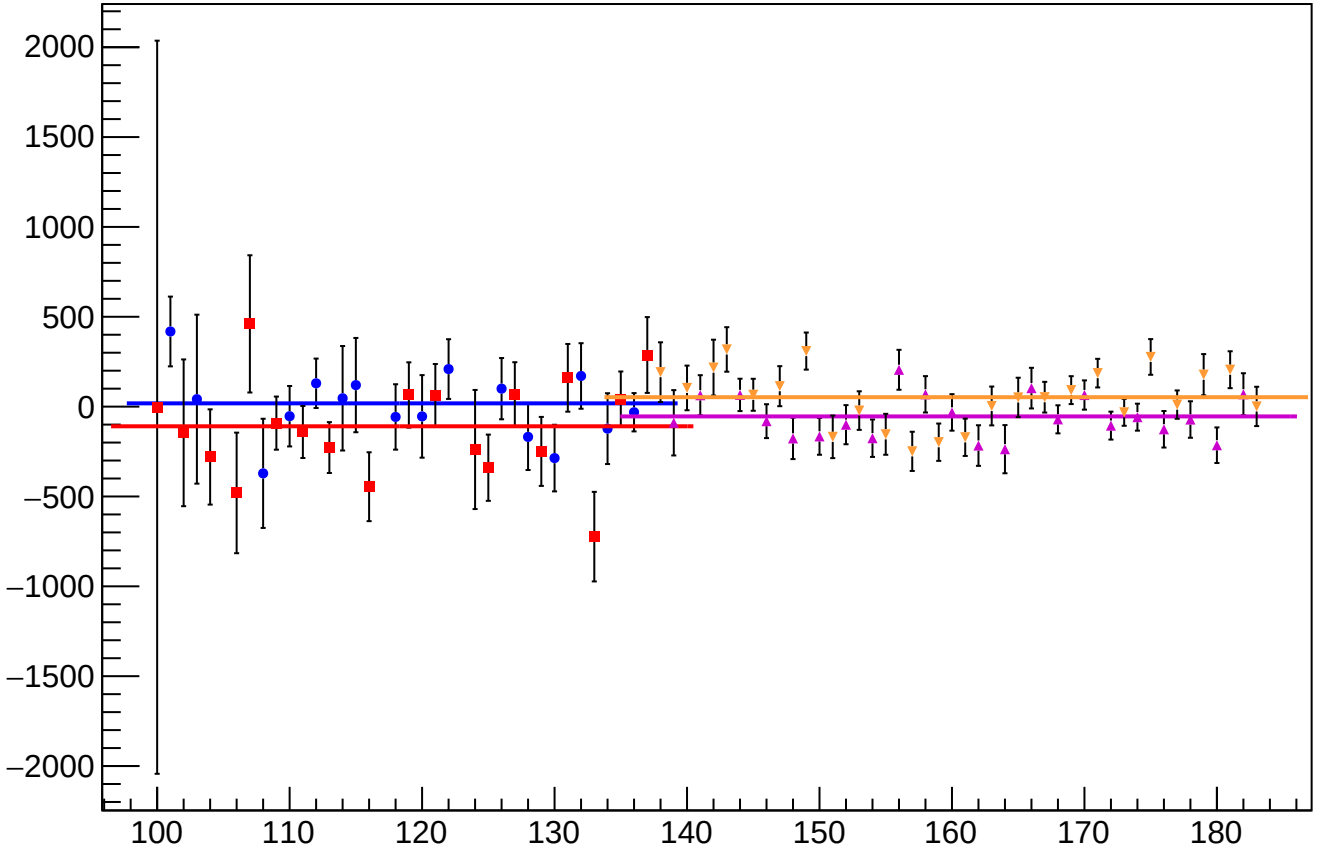
+ sign 0.000+/-0.000 χ^2/NDF: 35.7/39

All: 0.000+/-0.000 χ^2/NDF: 80.9/80

- sign 0.000+/-0.000 χ^2/NDF: 45.1/40


asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3180725.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2254223.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 3653663.9/18
Left In: 0.000+/-0.000 χ²/NDF:2179691.7/21
+ sign 0.000+/-0.000 χ²/NDF: 7663892.3/39
All: 0.000+/-0.000 χ²/NDF: 16029925.4/80
- sign 0.000+/-0.000 χ²/NDF: 8361422.0/40

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.492+/-20.681 χ^2/NDF:52.0/23

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

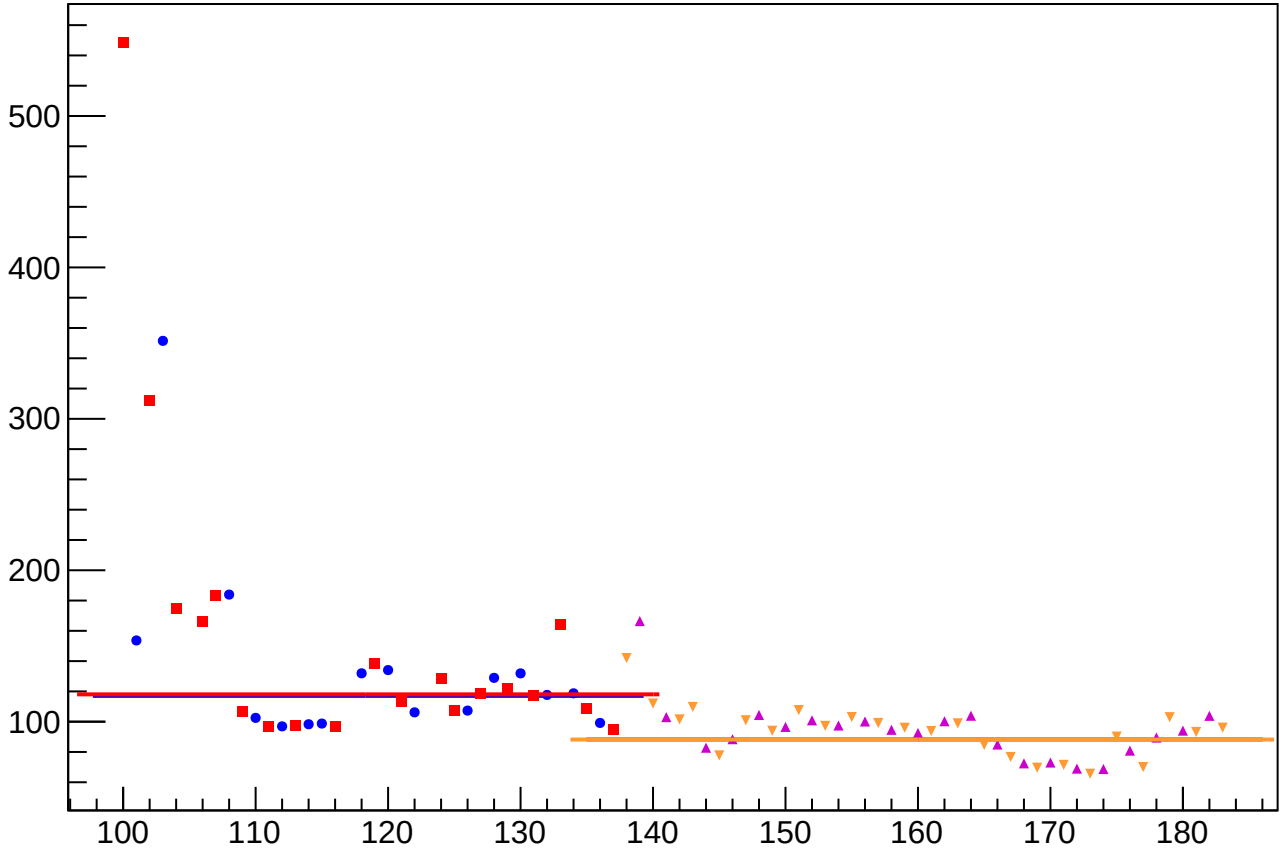
Left In: -54.430+/-21.278 χ^2/NDF:26.5/21

+ sign 46.664+/-18.842 χ^2/NDF: 66.3/39

All: -7.432+/-13.482 χ^2/NDF: 136.4/80

- sign -64.186+/-19.299 χ^2/NDF: 53.2/40

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 88.206+/-0.015 χ^2/NDF:1156290.4/23

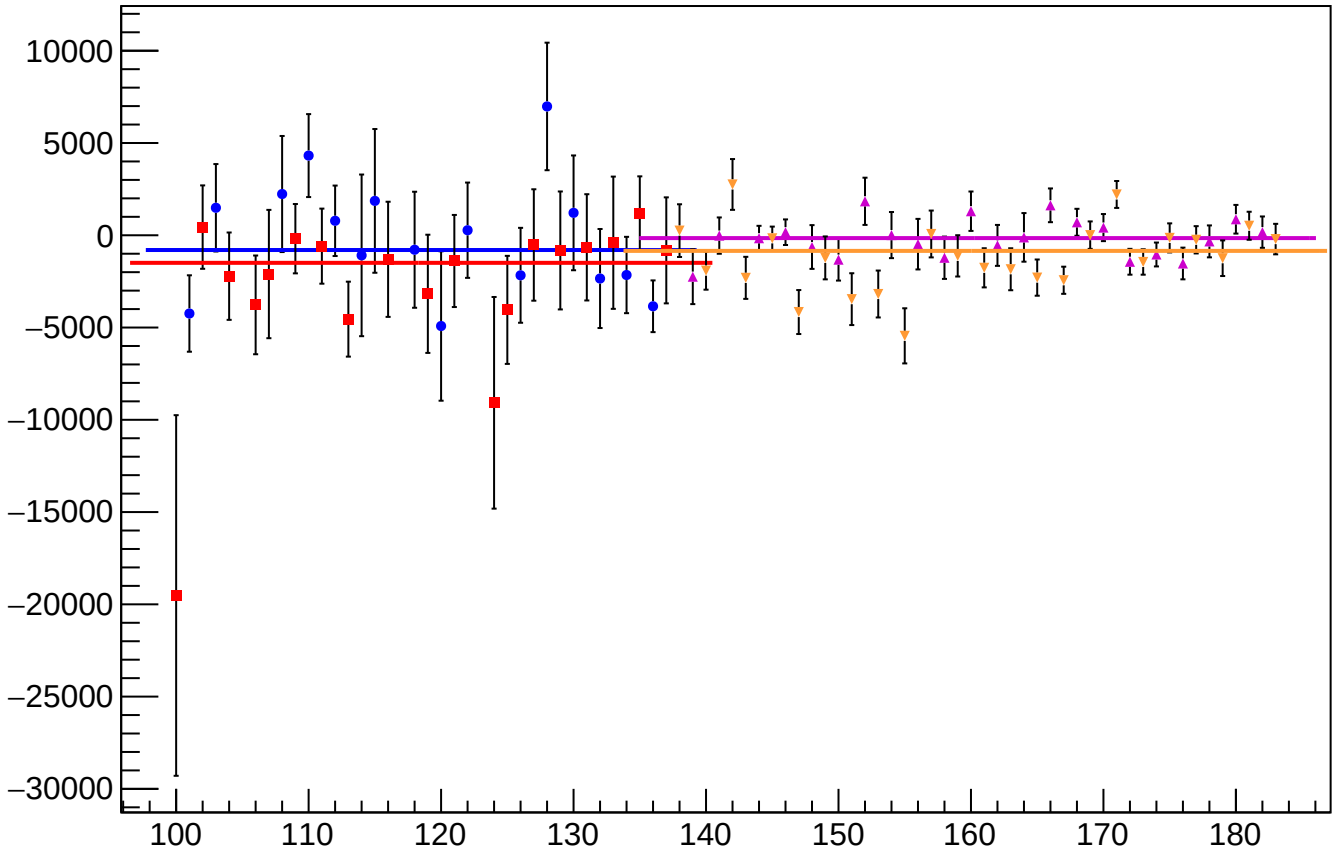
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 88.261+/-0.015 χ^2/NDF:1056736.6/21

+ sign 93.110+/-0.013 χ^2/NDF: 2676486.5/39

All: 93.323+/-0.010 χ^2/NDF: 5420104.6/80

- sign 93.546+/-0.014 χ^2/NDF: 2743095.4/40



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -846.439+/-190.020 χ^2/NDF:69.5/23

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

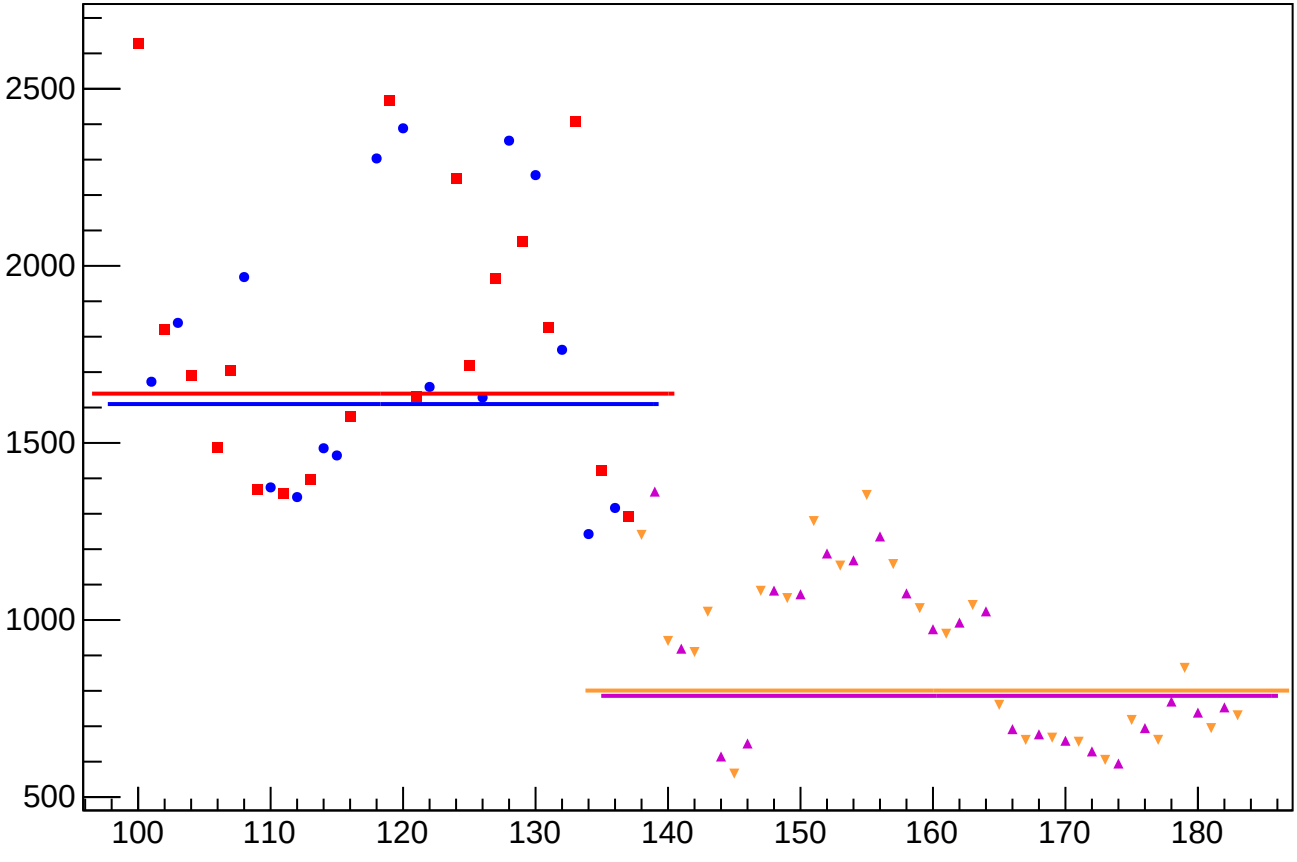
Left In: -153.168+/-191.819 χ^2/NDF:24.3/21

+ sign -842.329+/-181.578 χ^2/NDF: 93.0/39

All: -559.846+/-128.918 χ^2/NDF: 139.4/80

- sign -272.706+/-183.068 χ^2/NDF: 41.5/40

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 800.807+/-0.134 χ^2/NDF:2374984.9/23

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

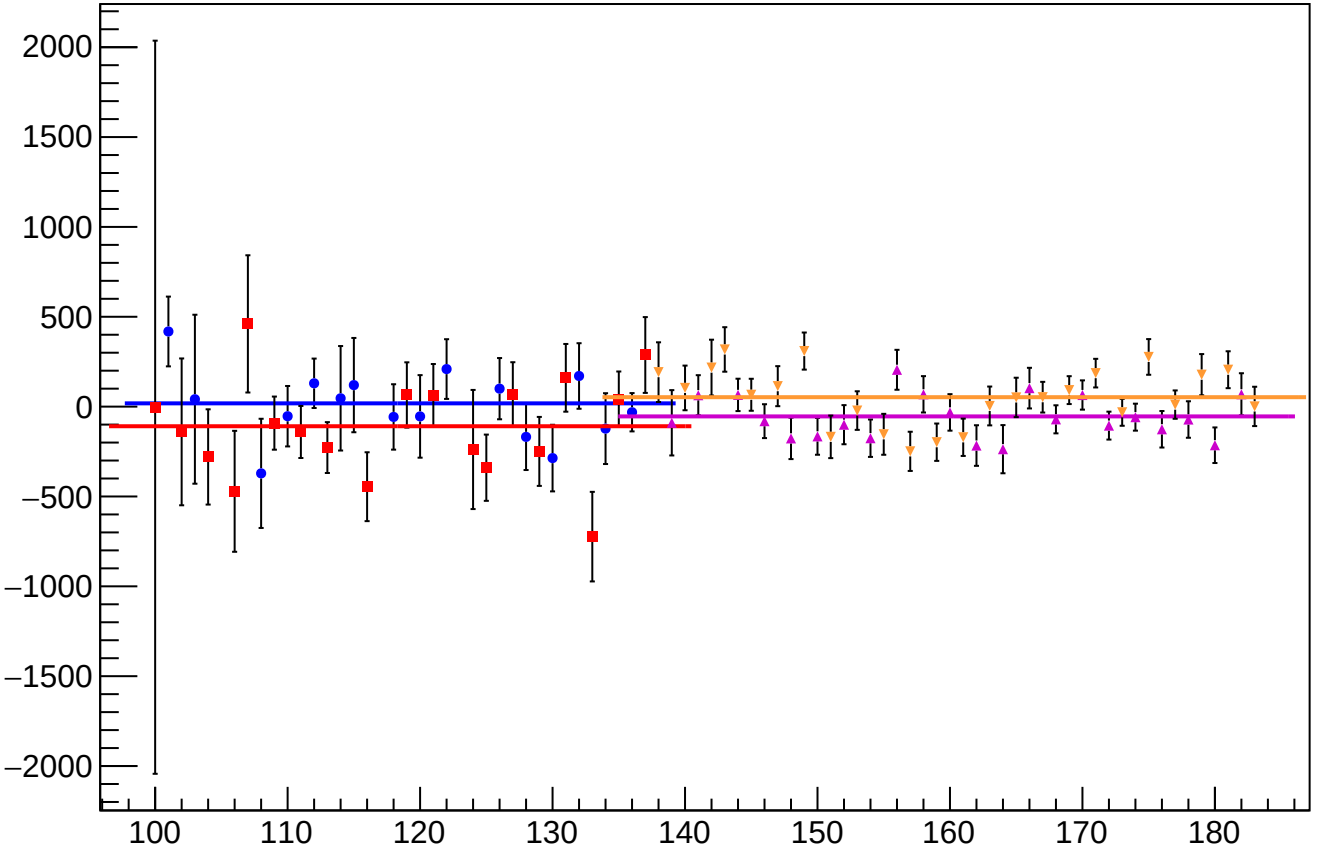
Left In: 785.834+/-0.136 χ^2/NDF:2155734.5/21

+ sign 871.096+/-0.128 χ^2/NDF: 6143677.0/39

All: 866.547+/-0.091 χ^2/NDF: 12351730.2/80

- sign 861.924+/-0.129 χ^2/NDF: 6205522.4/40

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.497+/-20.681 χ^2/NDF:52.0/23

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

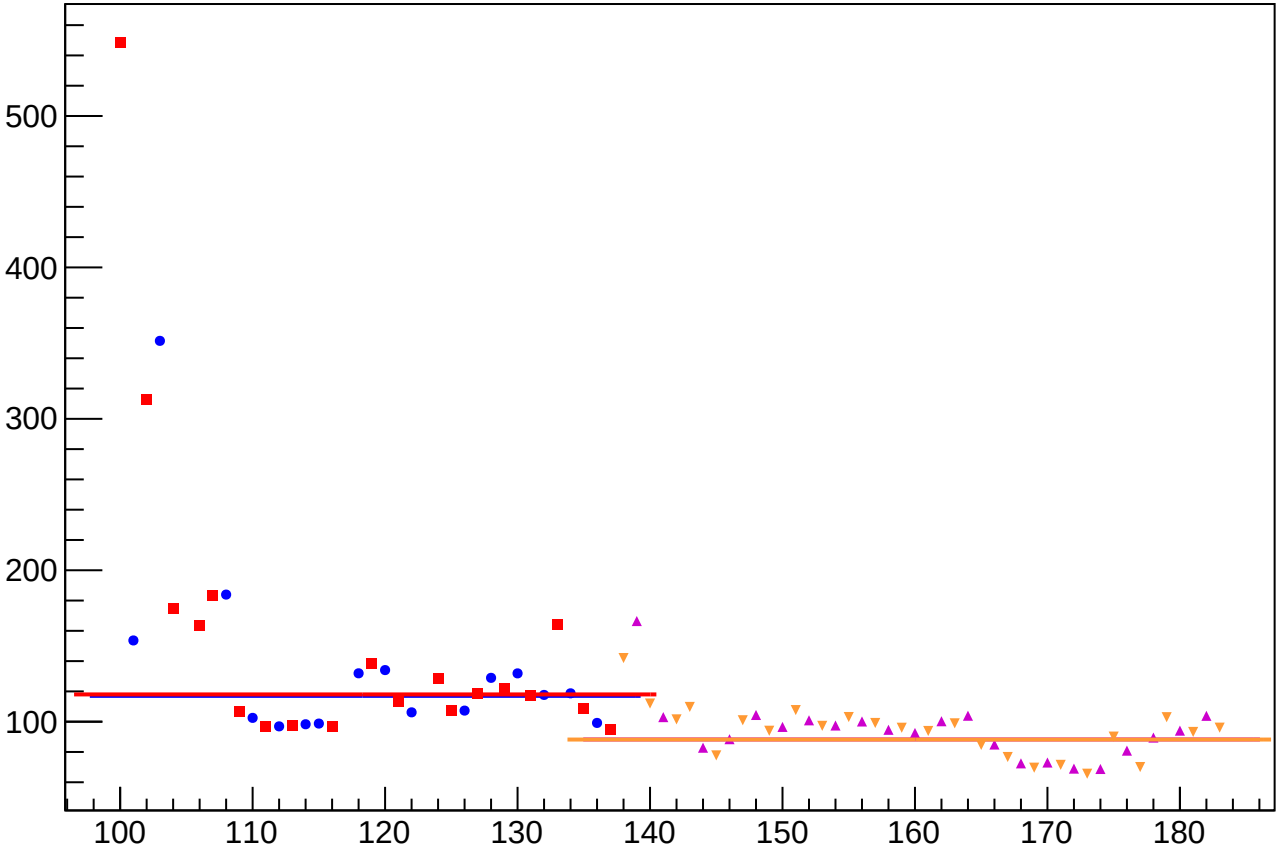
Left In: -54.434+/-21.278 χ^2/NDF:26.5/21

+ sign 46.667+/-18.842 χ^2/NDF: 66.3/39

All: -7.407+/-13.482 χ^2/NDF: 136.3/80

- sign -64.138+/-19.299 χ^2/NDF: 53.1/40

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.206+/-0.015 χ^2/NDF:1156290.4/23

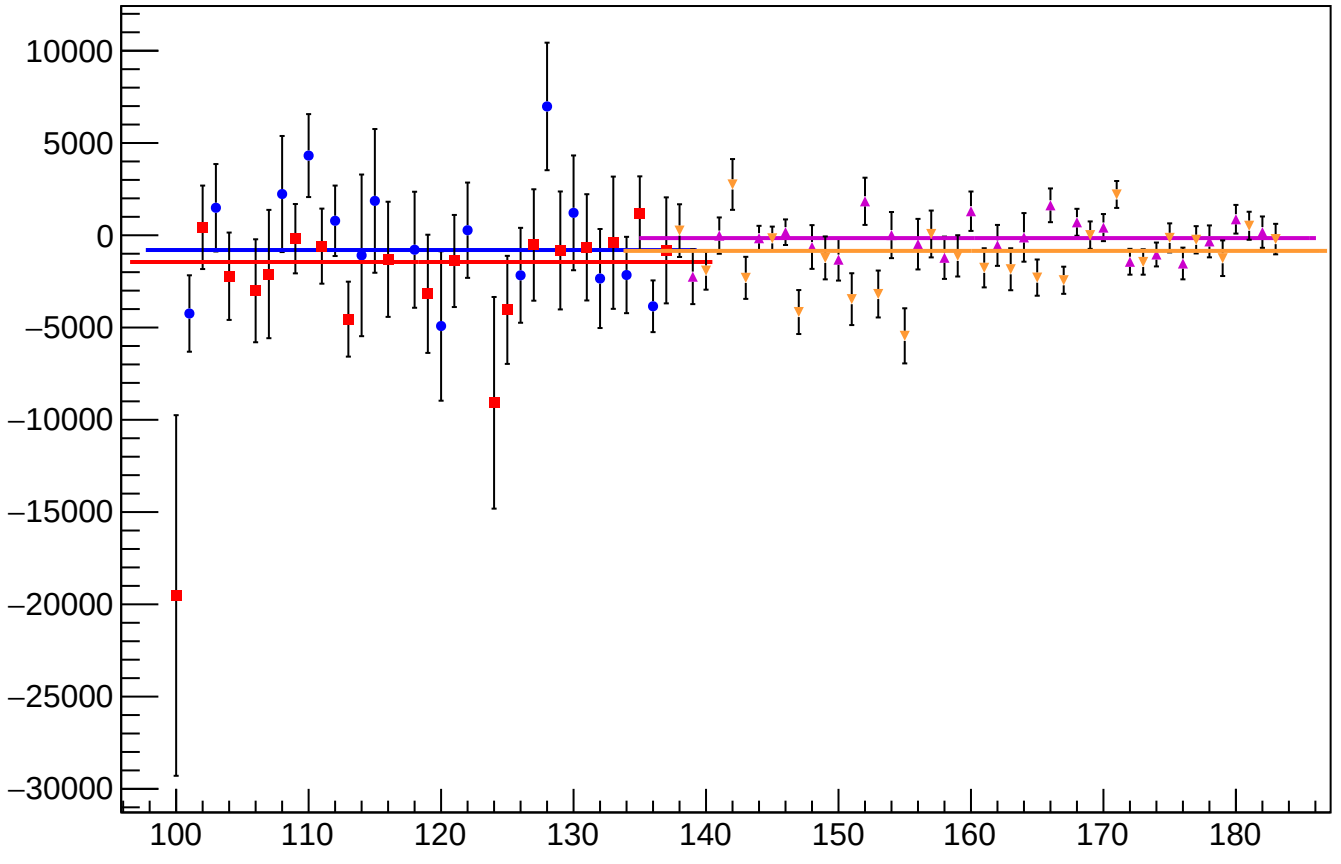
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 88.261+/-0.015 χ^2/NDF:1056736.6/21

+ sign 93.110+/-0.013 χ^2/NDF: 2676488.1/39

All: 93.318+/-0.010 χ^2/NDF: 5413398.1/80

- sign 93.536+/-0.014 χ^2/NDF: 2736410.6/40



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -846.433+/-190.020 χ^2/NDF:69.5/23

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

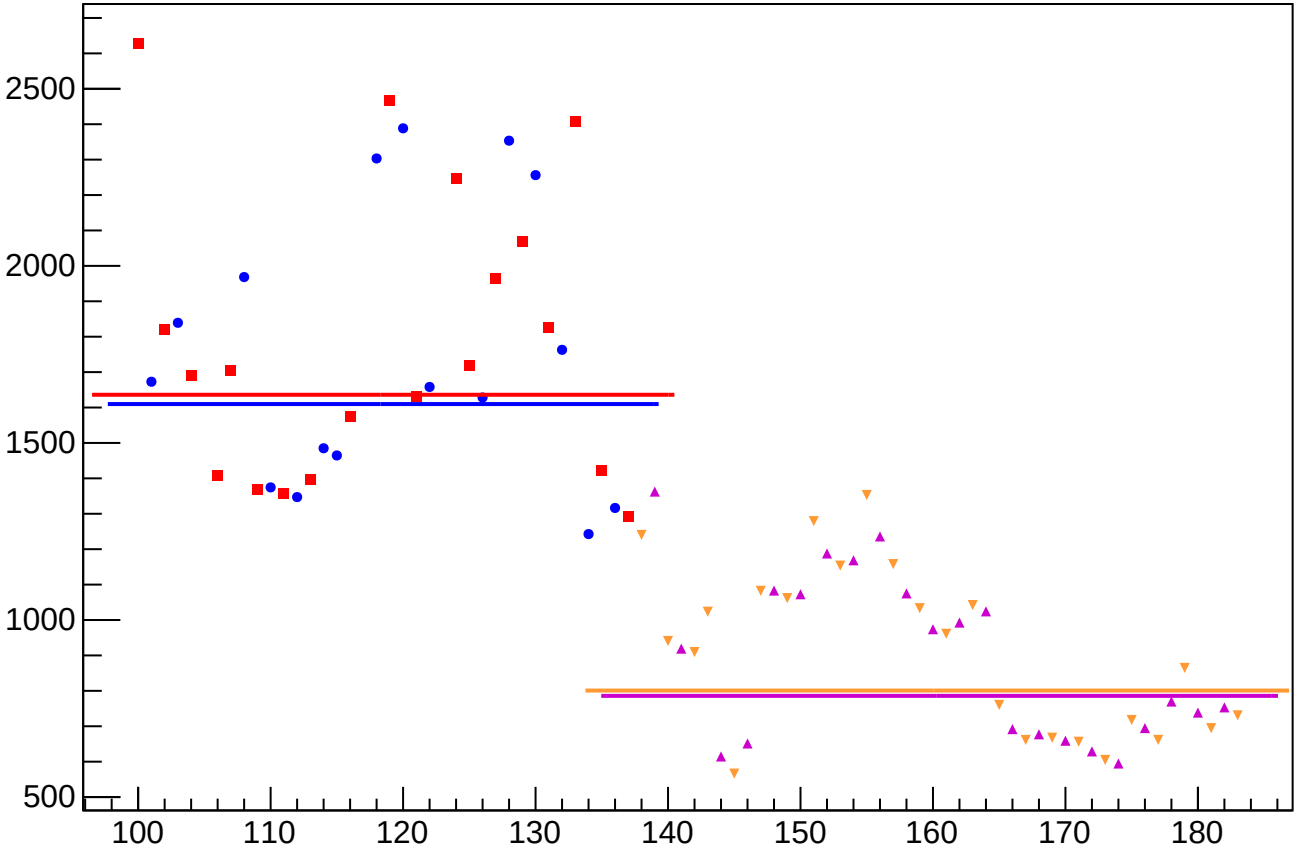
Left In: -153.171+/-191.819 χ^2/NDF:24.3/21

+ sign -842.322+/-181.578 χ^2/NDF: 93.0/39

All: -557.661+/-128.931 χ^2/NDF: 138.7/80

- sign -268.195+/-183.104 χ^2/NDF: 40.8/40

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 800.807+/-0.134 χ^2/NDF:2374985.7/23

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

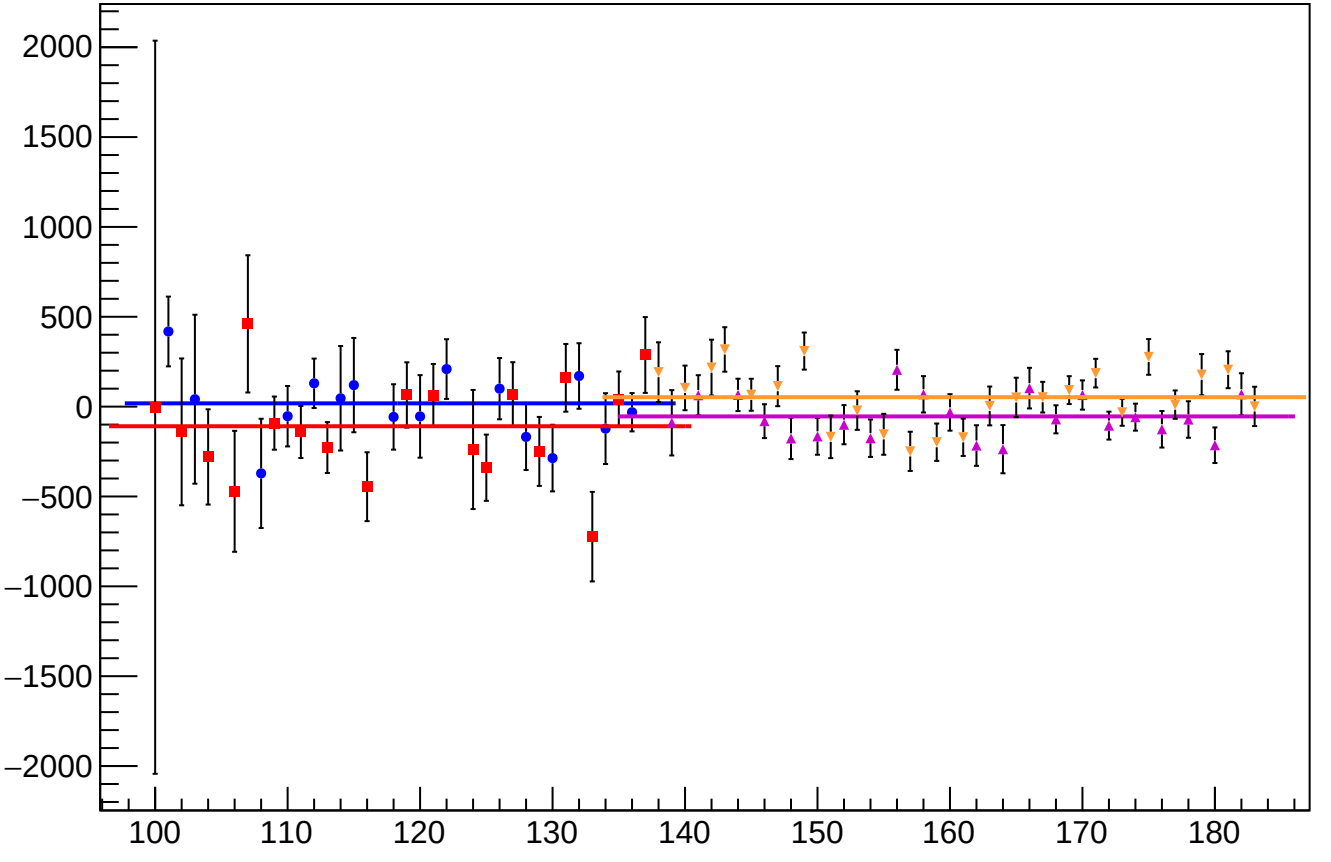
Left In: 785.834+/-0.136 χ^2/NDF:2155732.9/21

+ sign 871.095+/-0.128 χ^2/NDF: 6143739.9/39

All: 866.257+/-0.091 χ^2/NDF: 12319401.2/80

- sign 861.336+/-0.129 χ^2/NDF: 6172797.0/40

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.497+/-20.681 χ^2/NDF:52.0/23

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

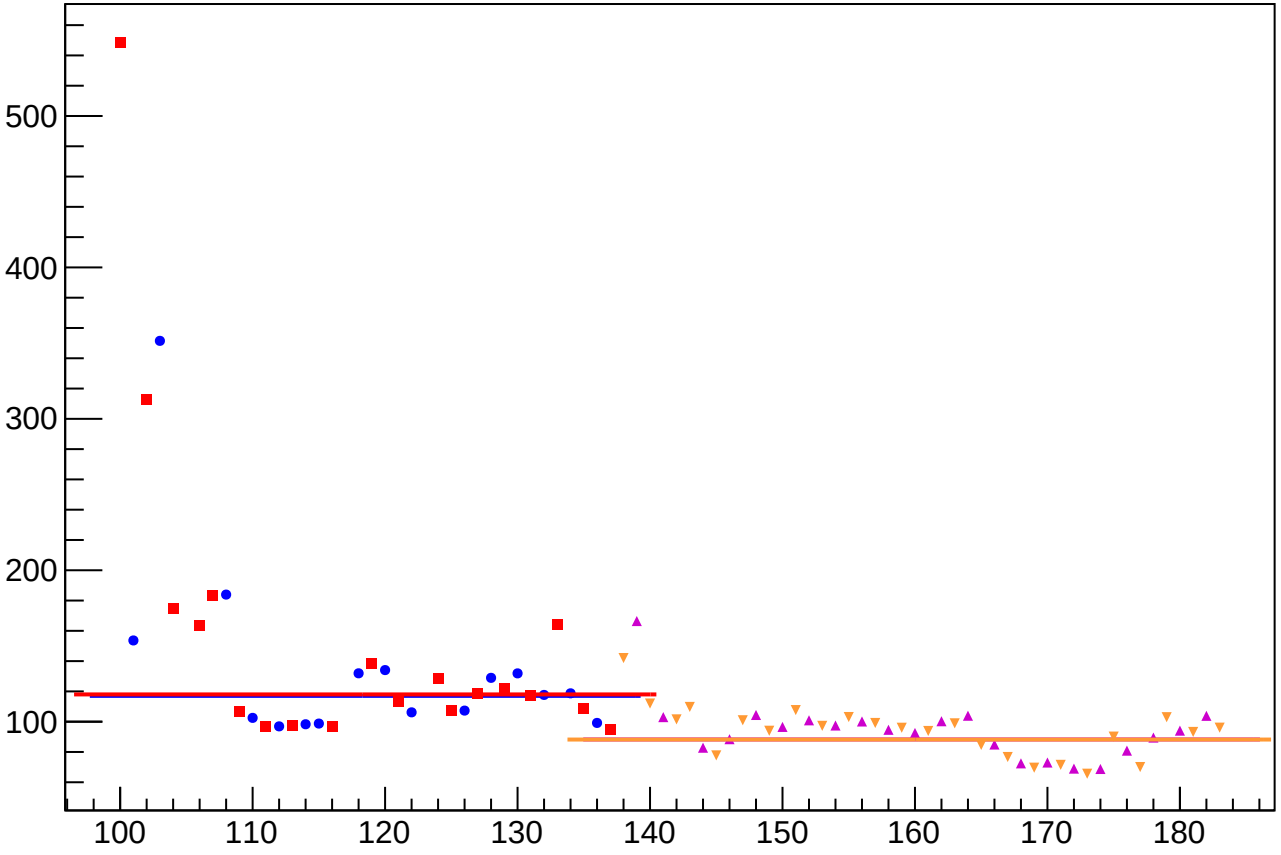
Left In: -54.434+/-21.278 χ^2/NDF:26.5/21

+ sign 46.667+/-18.842 χ^2/NDF: 66.3/39

All: -7.407+/-13.482 χ^2/NDF: 136.3/80

- sign -64.138+/-19.299 χ^2/NDF: 53.1/40

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.206+/-0.015 χ^2/NDF:1156290.4/23

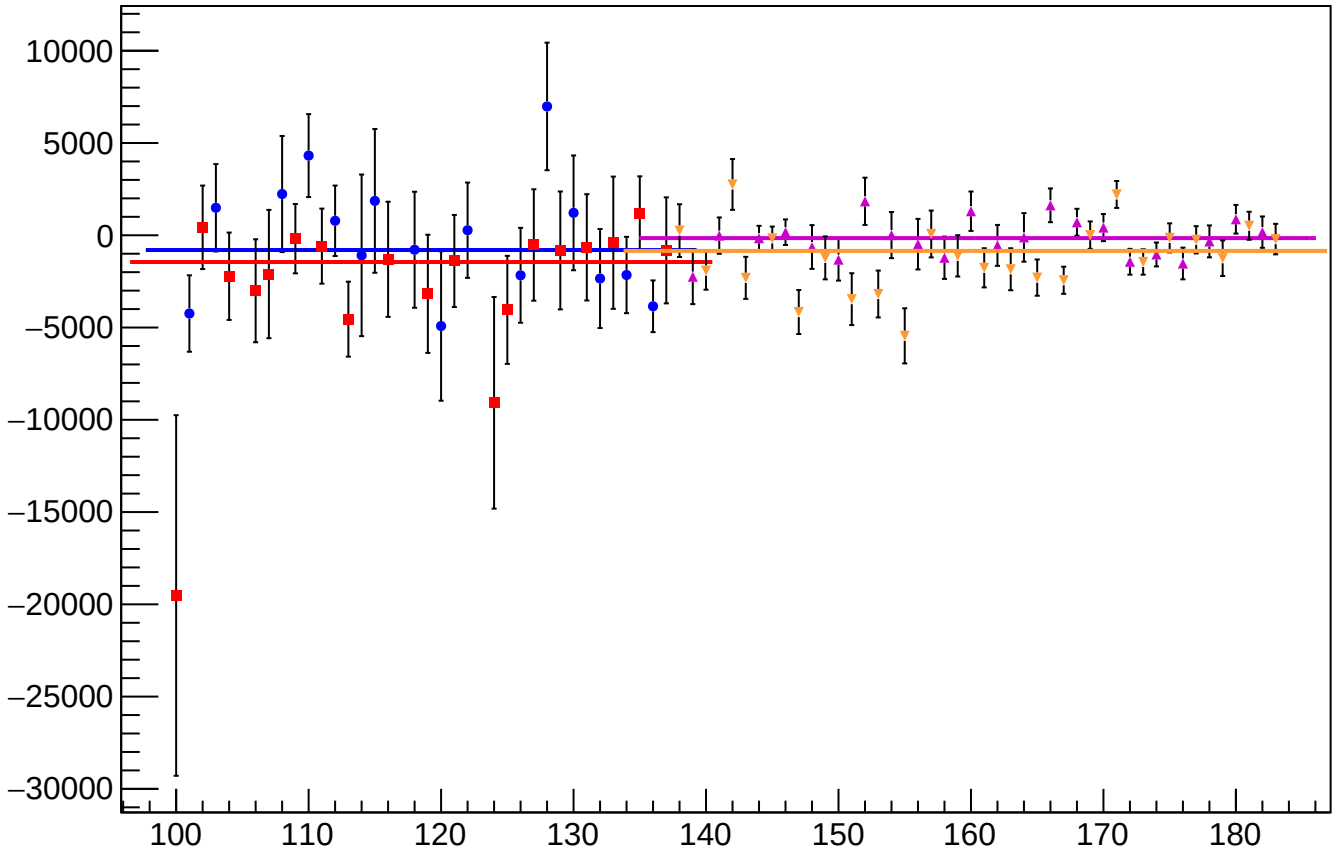
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 88.261+/-0.015 χ^2/NDF:1056736.6/21

+ sign 93.110+/-0.013 χ^2/NDF: 2676488.1/39

All: 93.318+/-0.010 χ^2/NDF: 5413398.1/80

- sign 93.536+/-0.014 χ^2/NDF: 2736410.6/40



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -846.433+/-190.020 χ^2/NDF:69.5/23

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

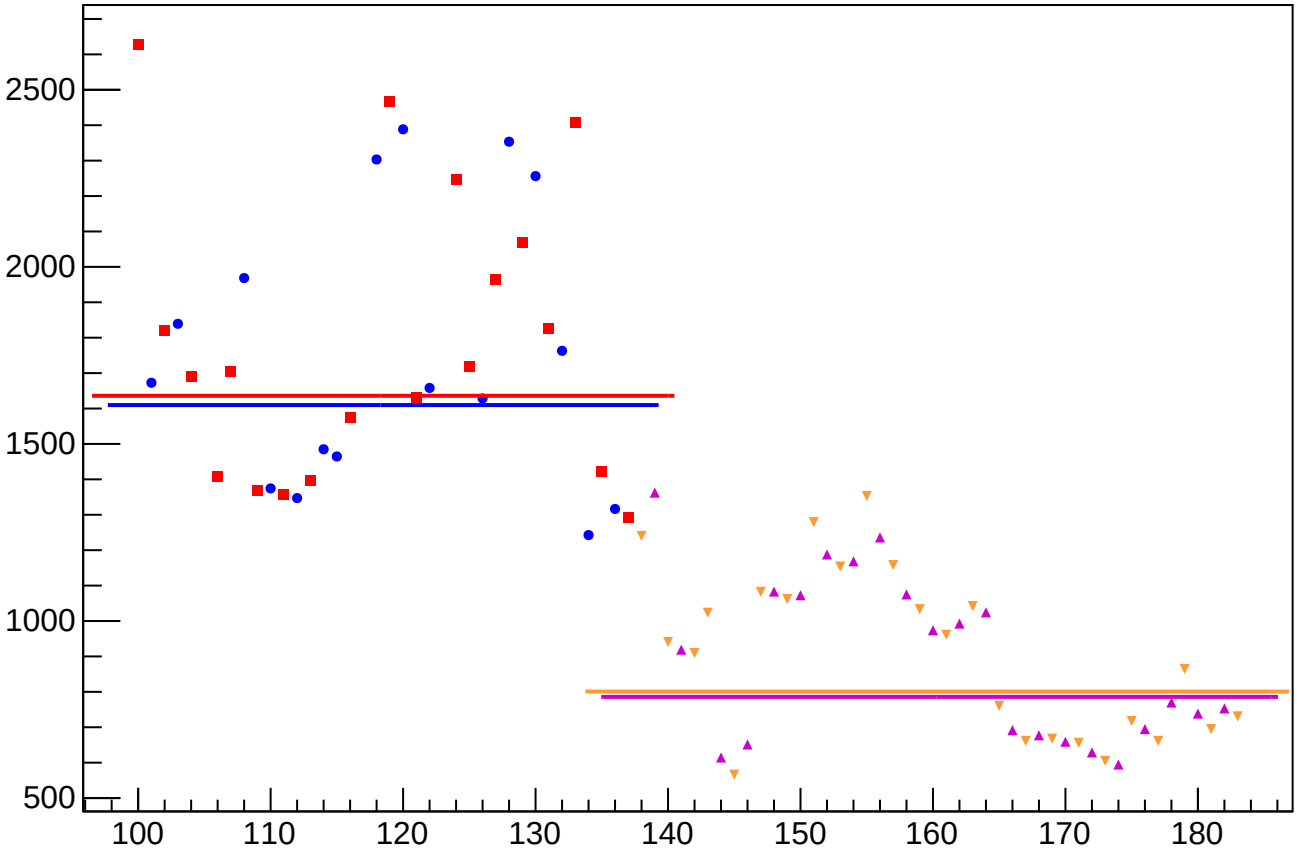
Left In: -153.171+/-191.819 χ^2/NDF:24.3/21

+ sign -842.322+/-181.578 χ^2/NDF: 93.0/39

All: -557.661+/-128.931 χ^2/NDF: 138.7/80

- sign -268.195+/-183.104 χ^2/NDF: 40.8/40

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 800.807+/-0.134 χ^2/NDF:2374985.7/23

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

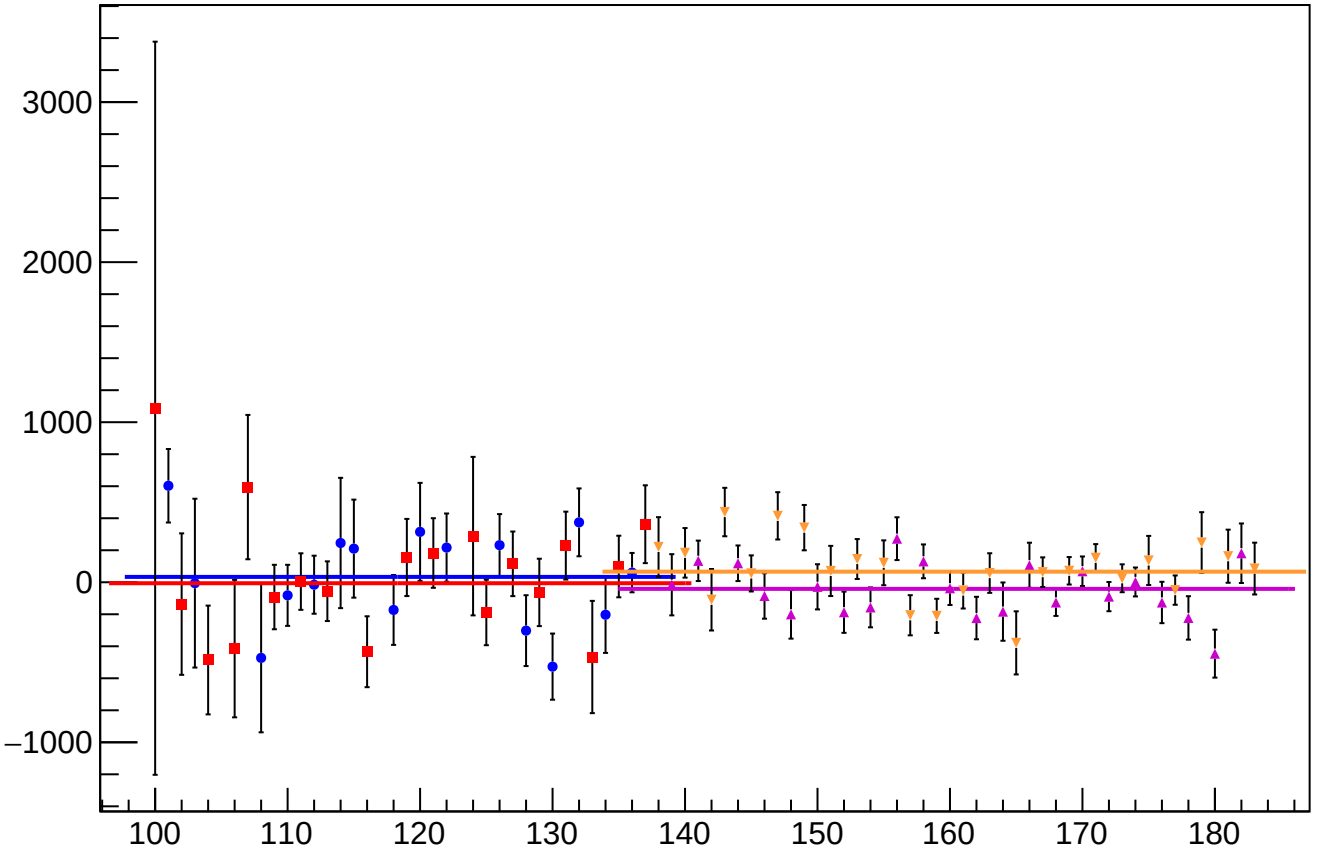
Left In: 785.834+/-0.136 χ^2/NDF:2155732.9/21

+ sign 871.095+/-0.128 χ^2/NDF: 6143739.9/39

All: 866.257+/-0.091 χ^2/NDF: 12319401.2/80

- sign 861.336+/-0.129 χ^2/NDF: 6172797.0/40

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 66.219+/-25.177 χ^2/NDF:40.0/23

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

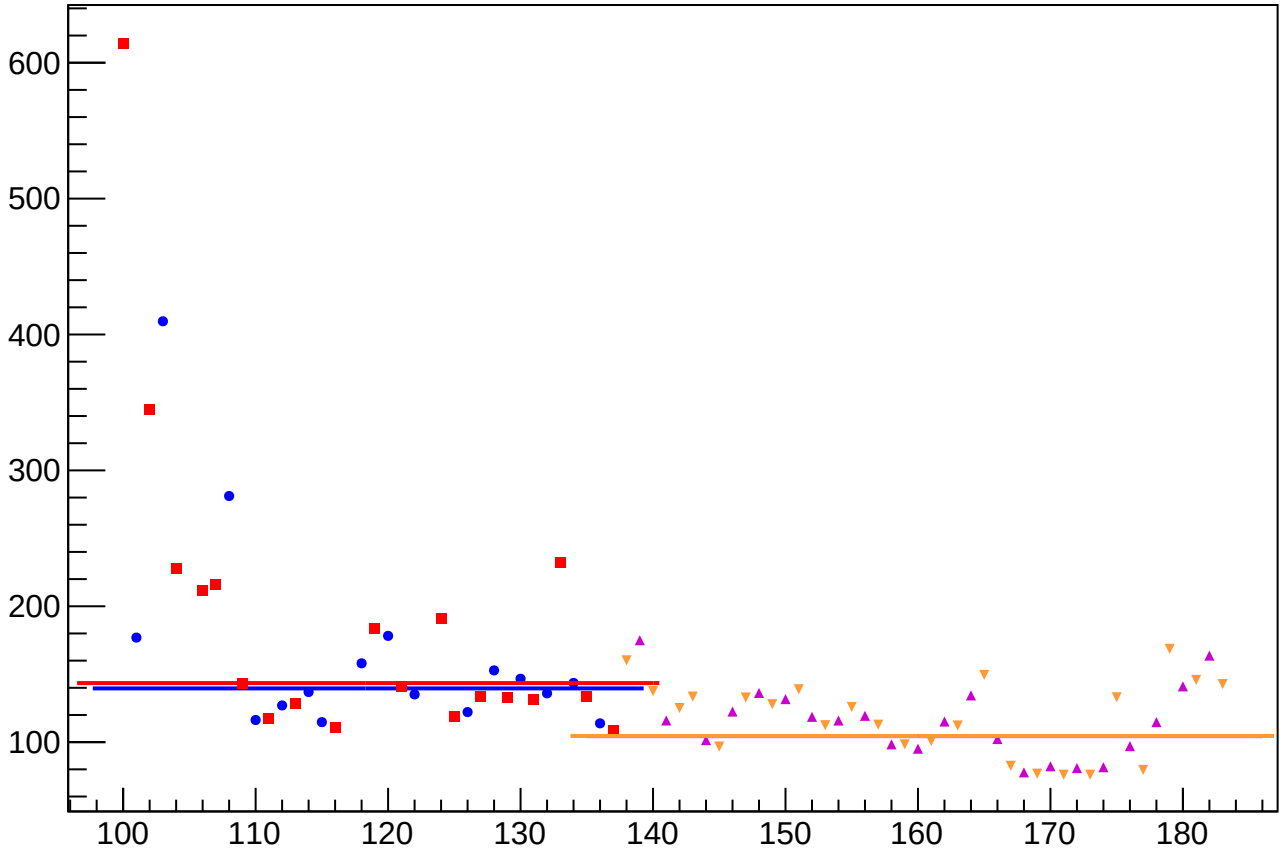
Left In: -41.389+/-25.806 χ^2/NDF:33.0/21

+ sign 60.530+/-22.886 χ^2/NDF: 65.5/39

All: 13.807+/-16.376 χ^2/NDF: 124.7/80

- sign -35.225+/-23.444 χ^2/NDF: 50.6/40

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 104.554+/-0.018 χ^2/NDF:2220563.3/23

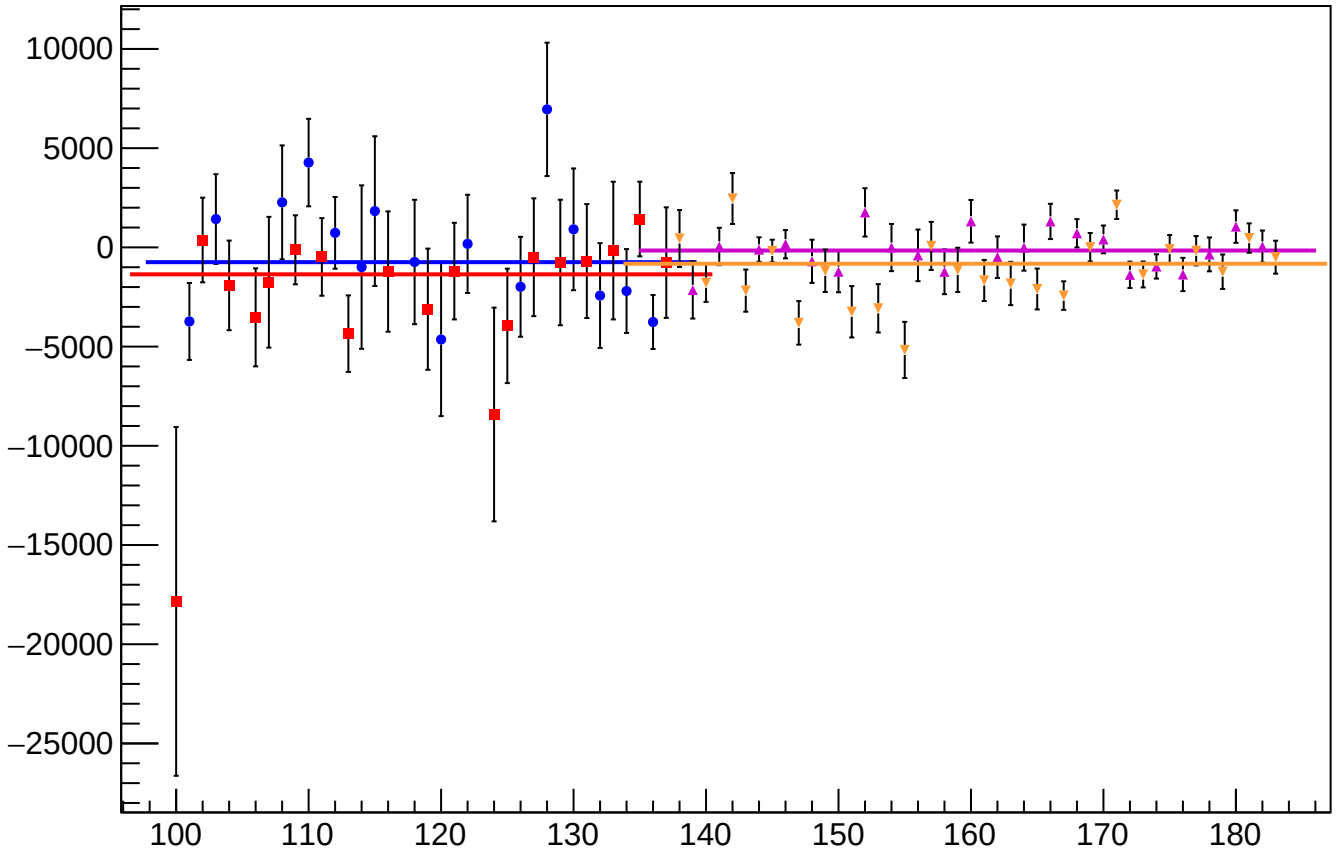
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 104.437+/-0.018 χ^2/NDF:1558764.1/21

\+ sign 110.636+/-0.016 χ^2/NDF: 3869247.3/39

All: 110.939+/-0.012 χ^2/NDF: 7345135.3/80

\- sign 111.257+/-0.017 χ^2/NDF: 3475169.2/40



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -823.993+/-181.306 χ^2/NDF:68.2/23

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

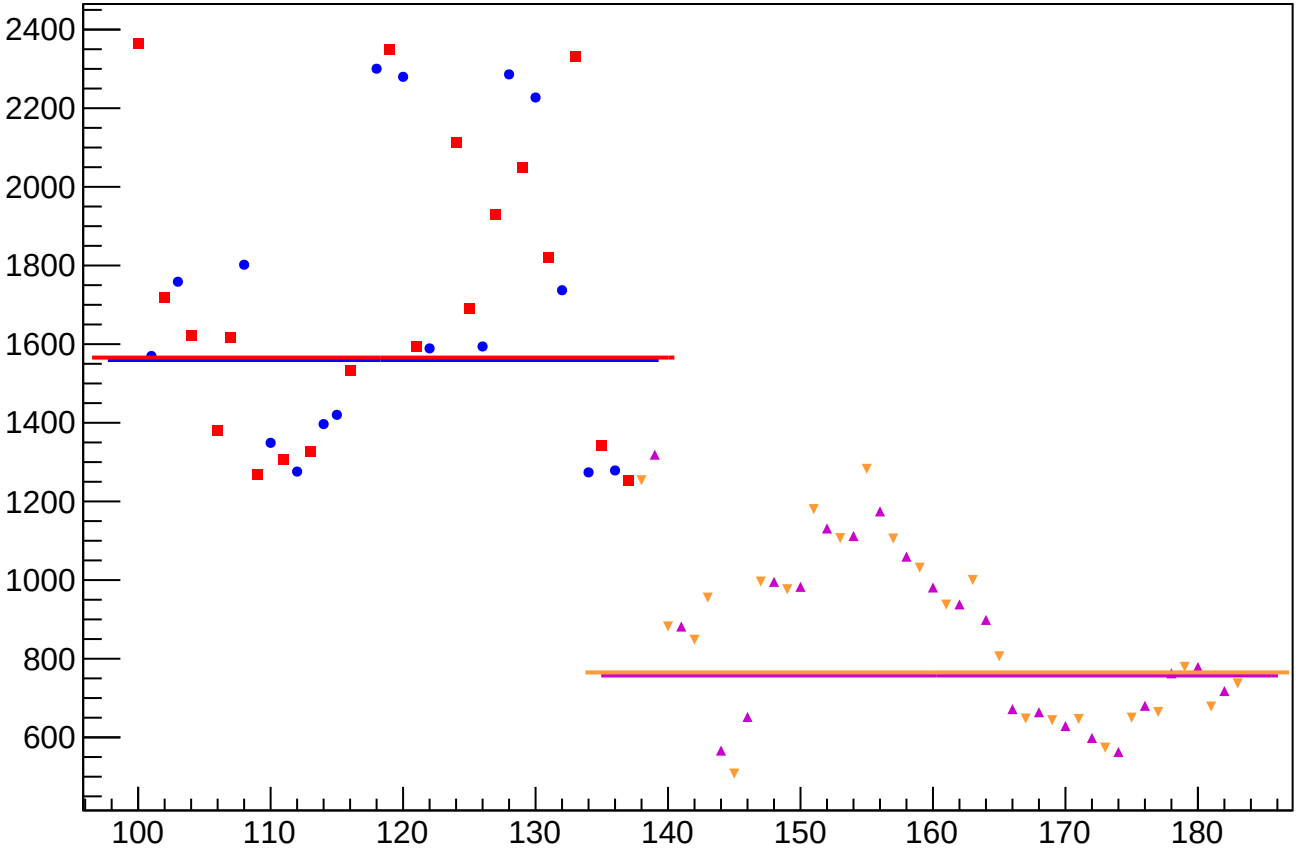
Left In: -157.947+/-184.855 χ^2/NDF:23.2/21

+ sign -817.272+/-173.453 χ^2/NDF: 91.6/39

All: -546.402+/-123.640 χ^2/NDF: 137.2/80

- sign -266.610+/-176.287 χ^2/NDF: 40.6/40

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 765.200+/-0.128 χ^2/NDF:2424704.7/23

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

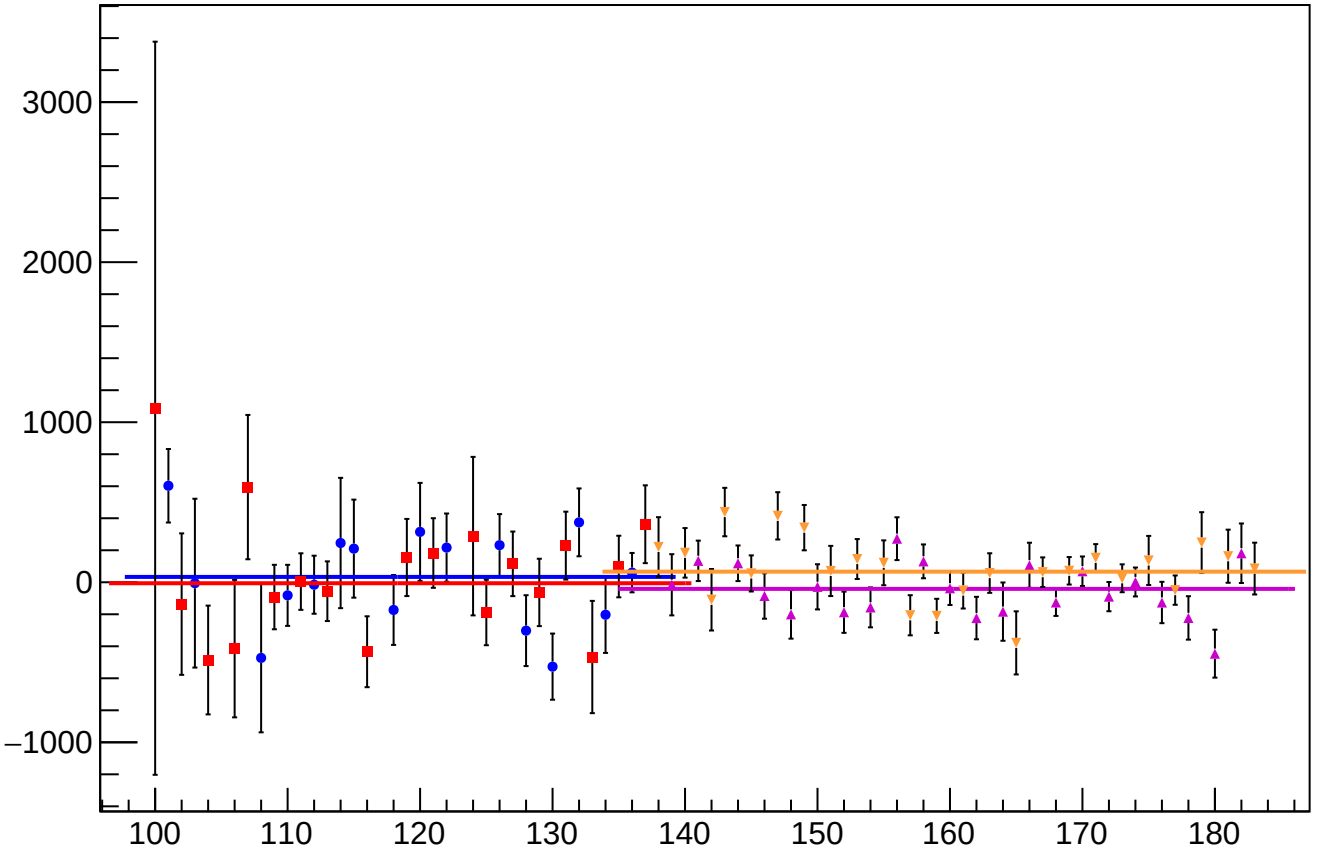
Left In: 757.410+/-0.131 χ^2/NDF:2114546.1/21

+ sign 832.538+/-0.123 χ^2/NDF: 6284133.5/39

All: 831.593+/-0.087 χ^2/NDF: 12426384.4/80

- sign 830.617+/-0.125 χ^2/NDF: 6142130.2/40

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 66.220+/-25.177 χ^2/NDF:40.0/23

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

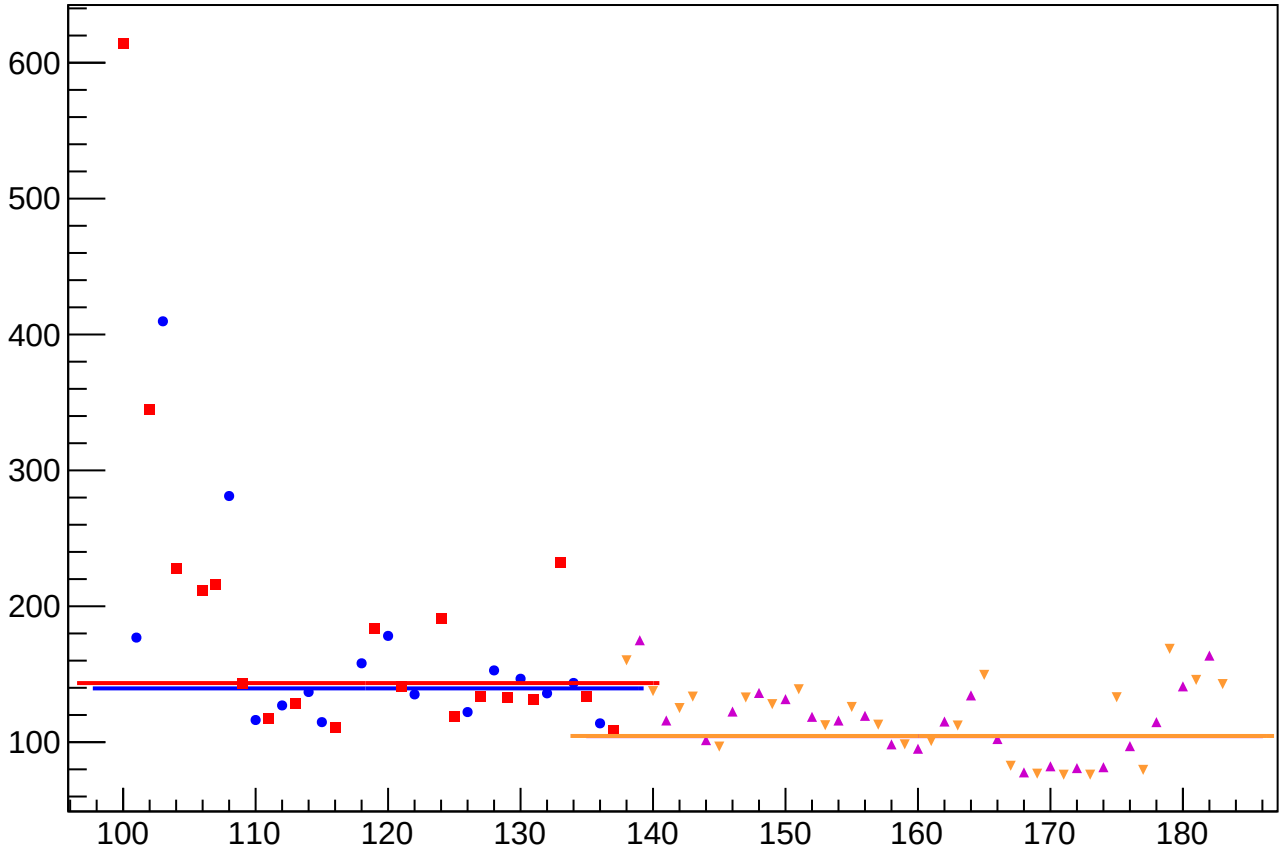
Left In: -41.388+/-25.807 χ^2/NDF:33.0/21

+ sign 60.531+/-22.886 χ^2/NDF: 65.5/39

All: 13.808+/-16.377 χ^2/NDF: 124.7/80

- sign -35.224+/-23.444 χ^2/NDF: 50.6/40

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 104.554+/-0.018 χ^2/NDF:2220583.6/23

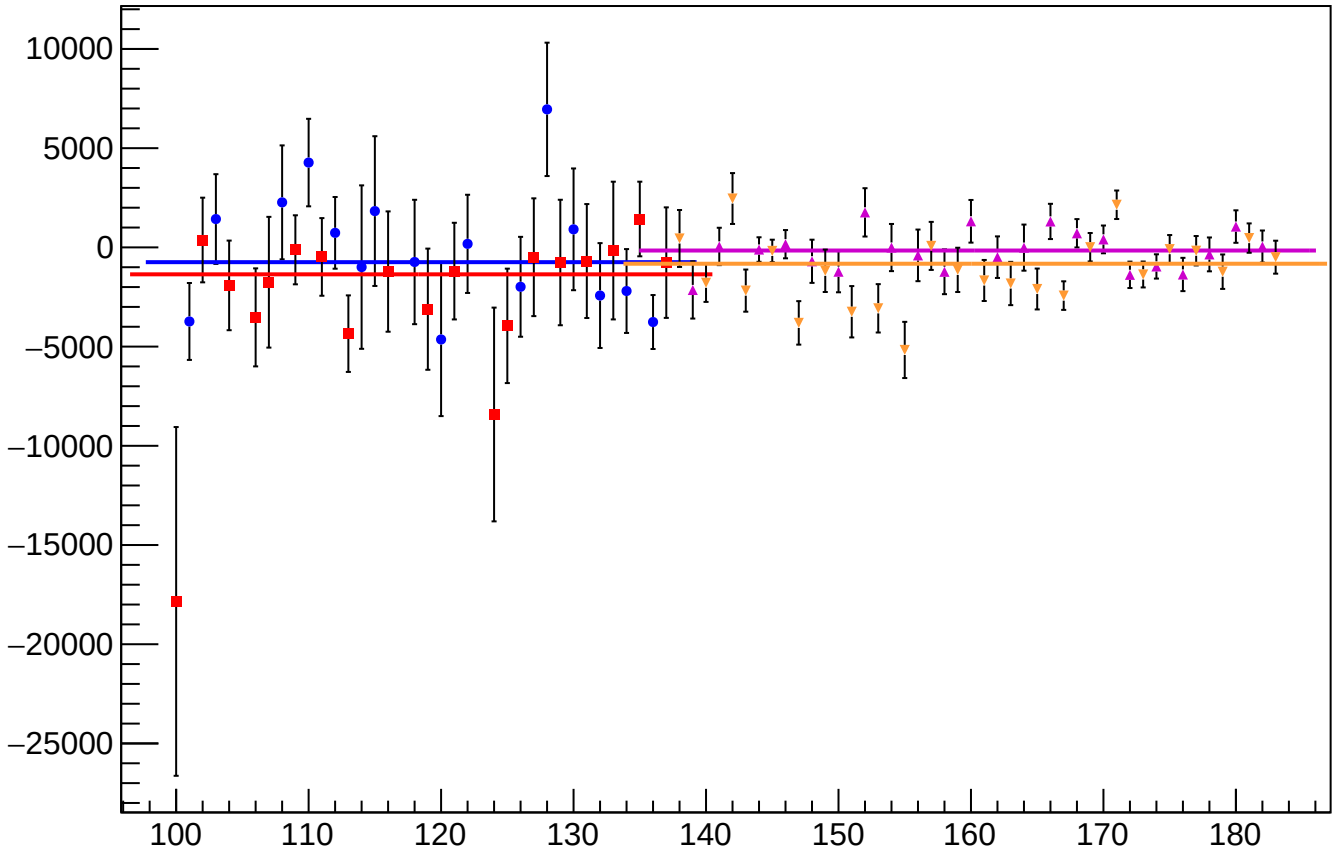
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 104.437+/-0.018 χ^2/NDF:1558773.0/21

+ sign 110.637+/-0.016 χ^2/NDF: 3869265.0/39

All: 110.940+/-0.012 χ^2/NDF: 7345170.3/80

- sign 111.258+/-0.017 χ^2/NDF: 3475186.5/40



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -823.994+/-181.306 χ^2/NDF:68.2/23

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

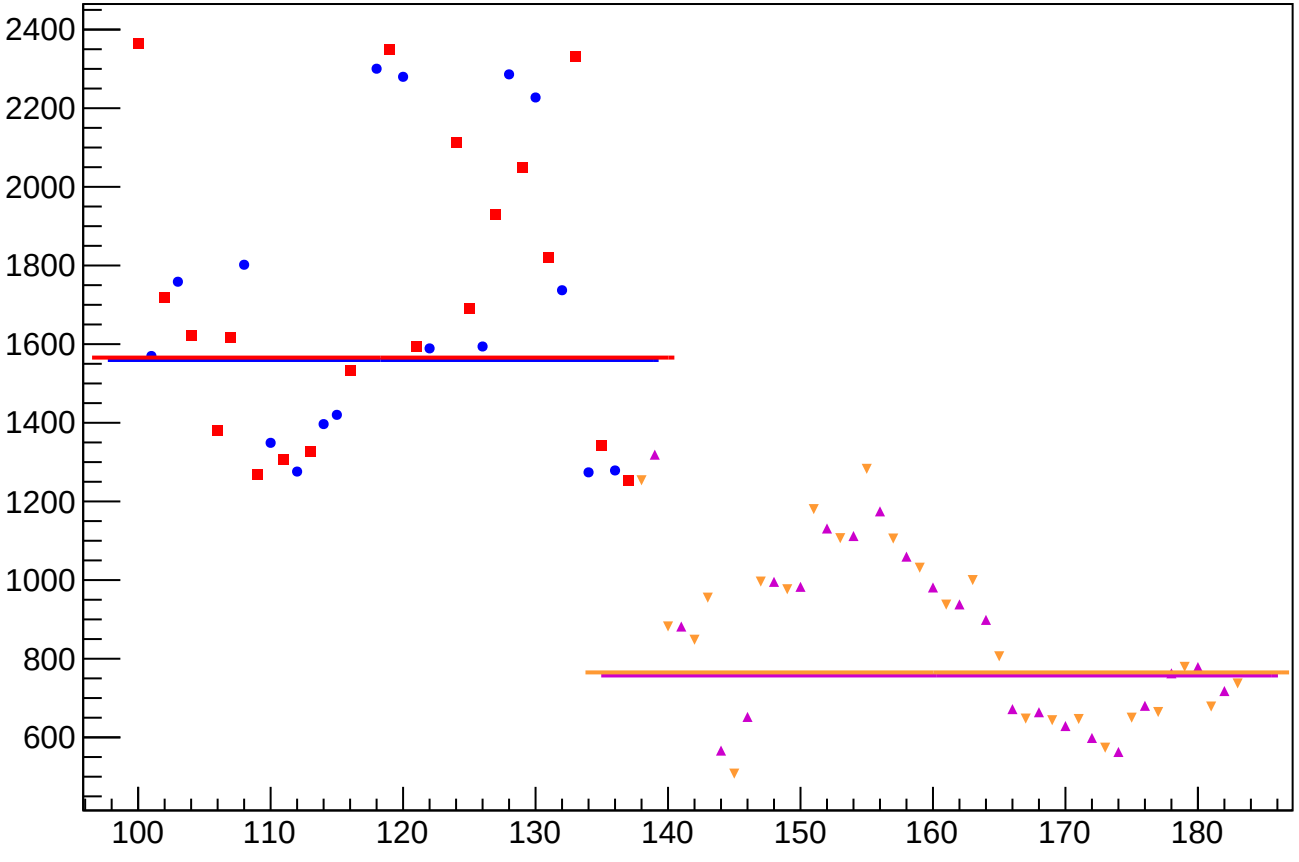
Left In: -157.947+/-184.855 χ^2/NDF:23.2/21

+ sign -817.272+/-173.453 χ^2/NDF: 91.6/39

All: -546.402+/-123.639 χ^2/NDF: 137.2/80

- sign -266.610+/-176.286 χ^2/NDF: 40.6/40

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 765.199+/-0.128 χ^2/NDF:2424698.2/23

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

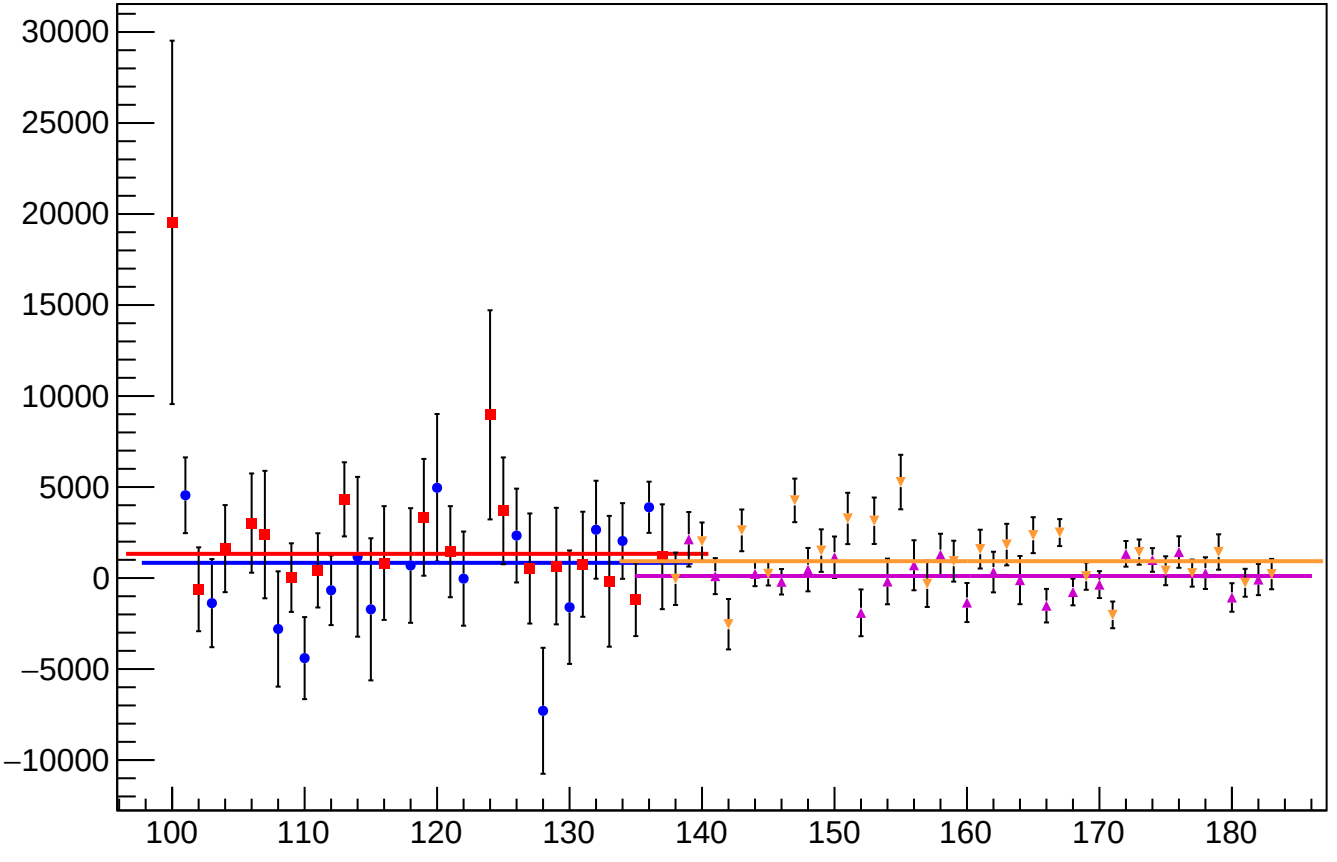
Left In: 757.409+/-0.131 χ^2/NDF:2114541.0/21

+ sign 832.538+/-0.123 χ^2/NDF: 6284125.5/39

All: 831.592+/-0.087 χ^2/NDF: 12426365.9/80

- sign 830.616+/-0.125 χ^2/NDF: 6142119.7/40

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 925.853+/-191.283 χ^2/NDF:64.5/23

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

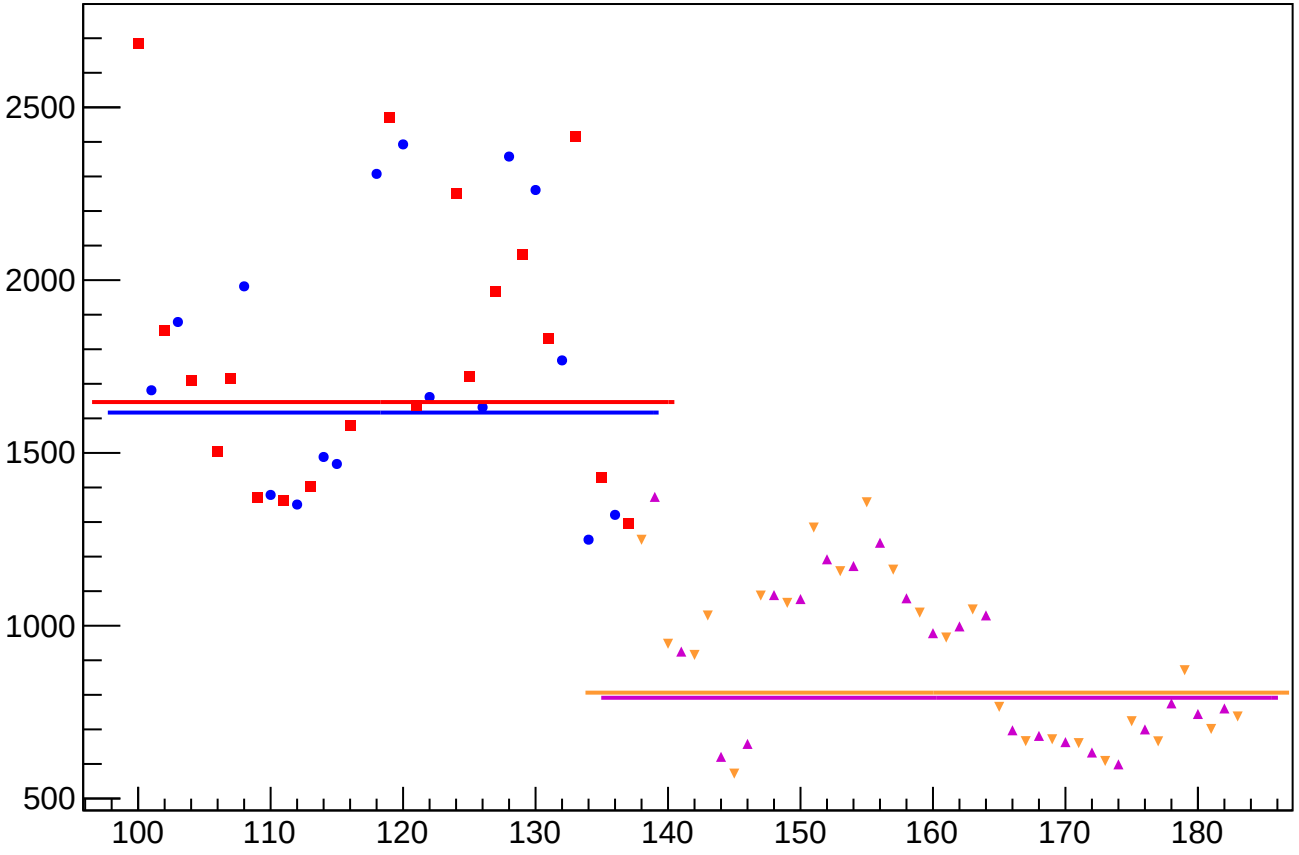
Left In: 111.794+/-193.150 χ^2/NDF:23.1/21

+ sign 917.971+/-182.750 χ^2/NDF: 89.4/39

All: 572.289+/-129.773 χ^2/NDF: 135.4/80

- sign 220.664+/-184.314 χ^2/NDF: 38.8/40

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 806.353+/-0.135 χ^2/NDF:2352678.0/23

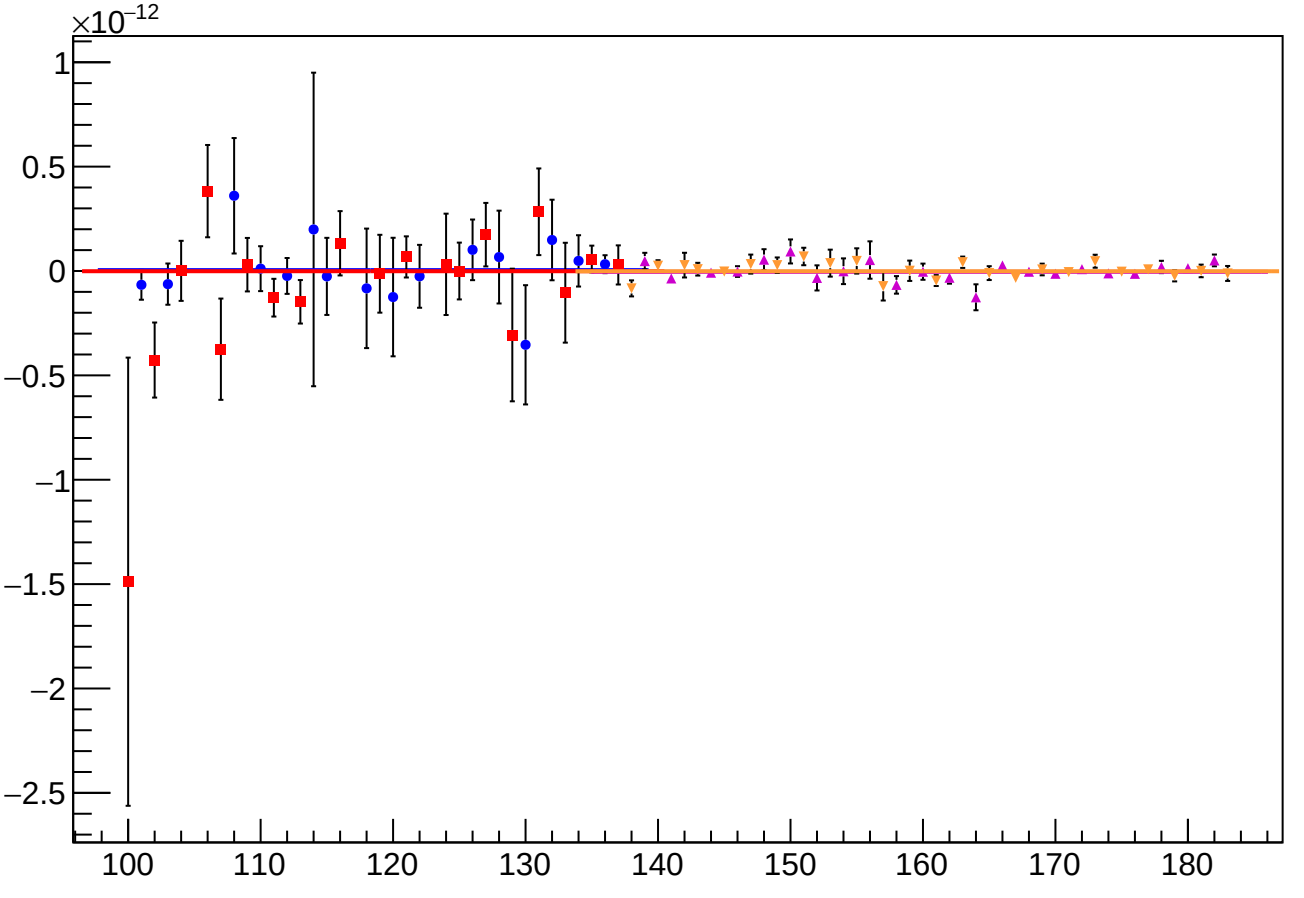
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 791.534+/-0.137 χ^2/NDF:2134648.0/21

+ sign 877.045+/-0.129 χ^2/NDF: 6106604.2/39

All: 872.579+/-0.092 χ^2/NDF: 12276884.7/80

- sign 868.035+/-0.130 χ^2/NDF: 6167870.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

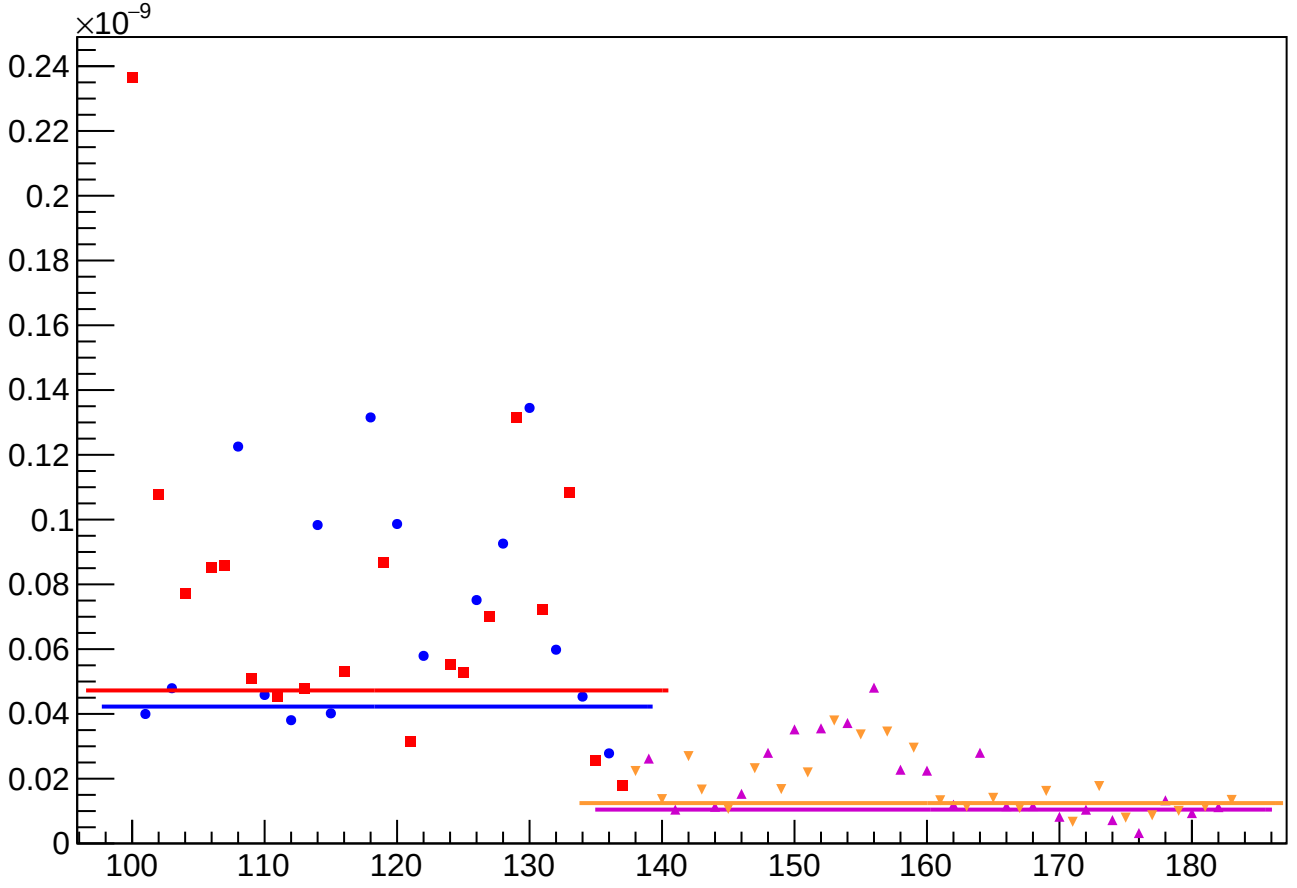
Left In: -0.000+/-0.000 χ^2/NDF:23.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 30.5/39

All: -0.000+/-0.000 χ^2/NDF: 77.9/80

- sign -0.000+/-0.000 χ^2/NDF: 47.3/40

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2214346.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

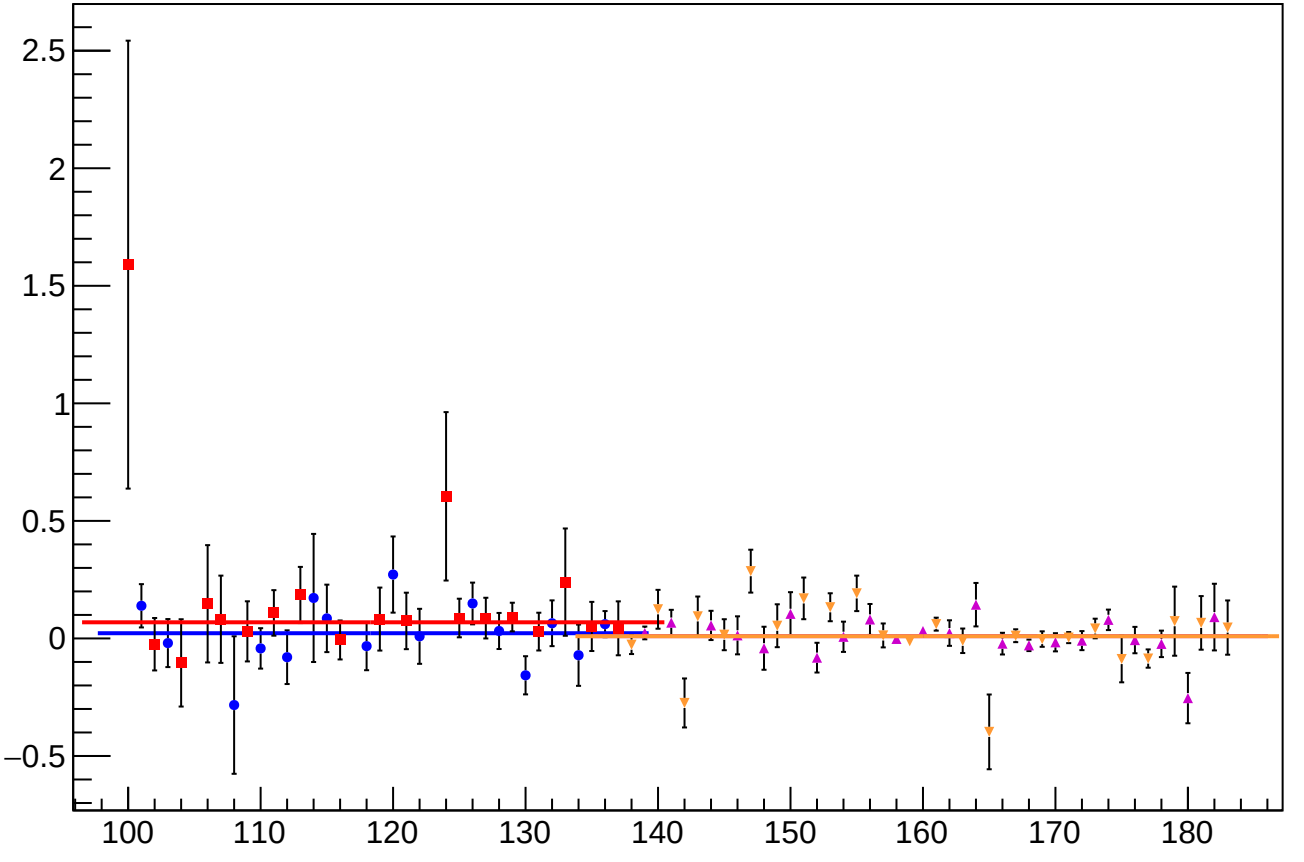
Left In: 0.000+/-0.000 χ^2/NDF:3615341.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 5659983.1/39

All: 0.000+/-0.000 χ^2/NDF: 13726458.6/80

- sign 0.000+/-0.000 χ^2/NDF: 7893924.3/40

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.4/23

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

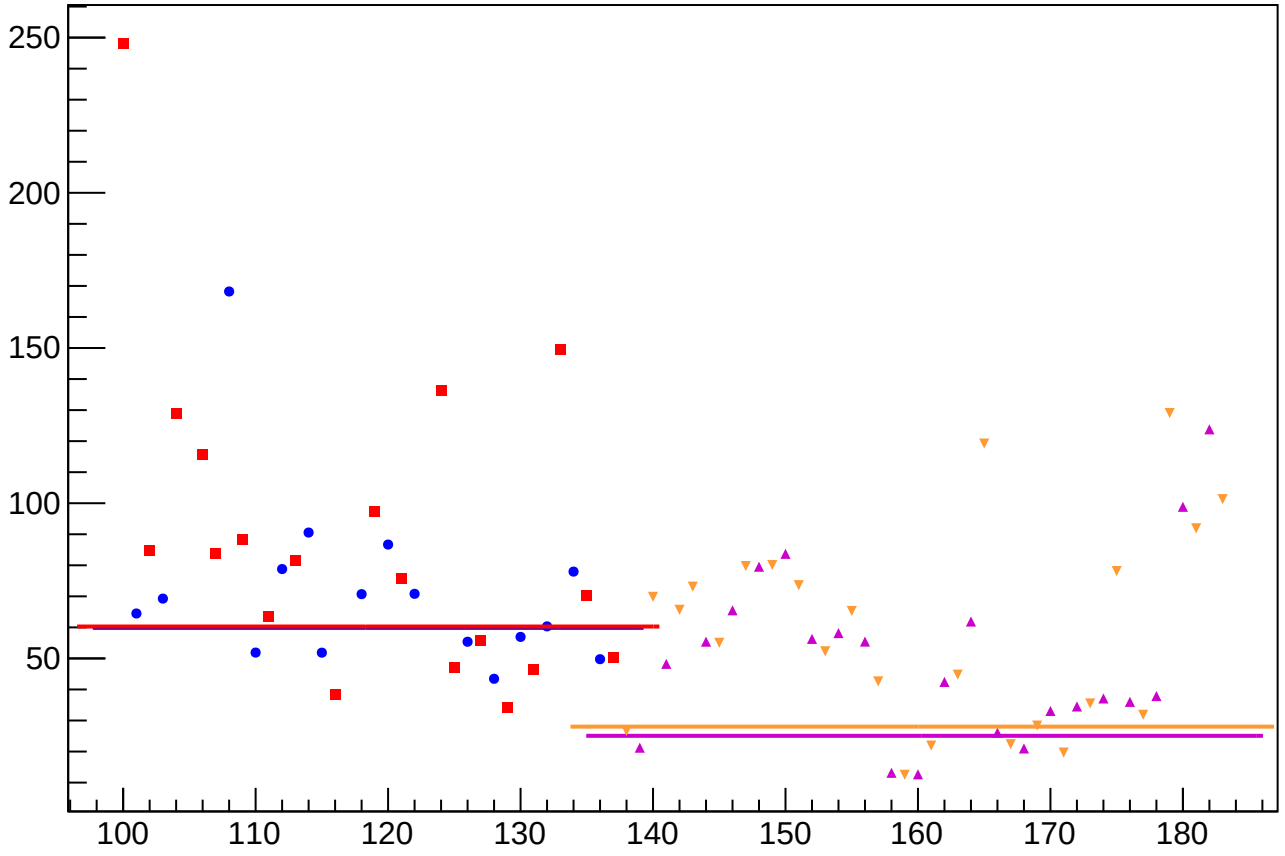
Left In: 0.010+/-0.008 χ^2/NDF:24.1/21

+ sign 0.011+/-0.008 χ^2/NDF: 70.1/39

All: 0.013+/-0.005 χ^2/NDF: 108.9/80

- sign 0.015+/-0.008 χ^2/NDF: 38.6/40

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 28.029+/-0.006 χ^2/NDF:10778643.1/23

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

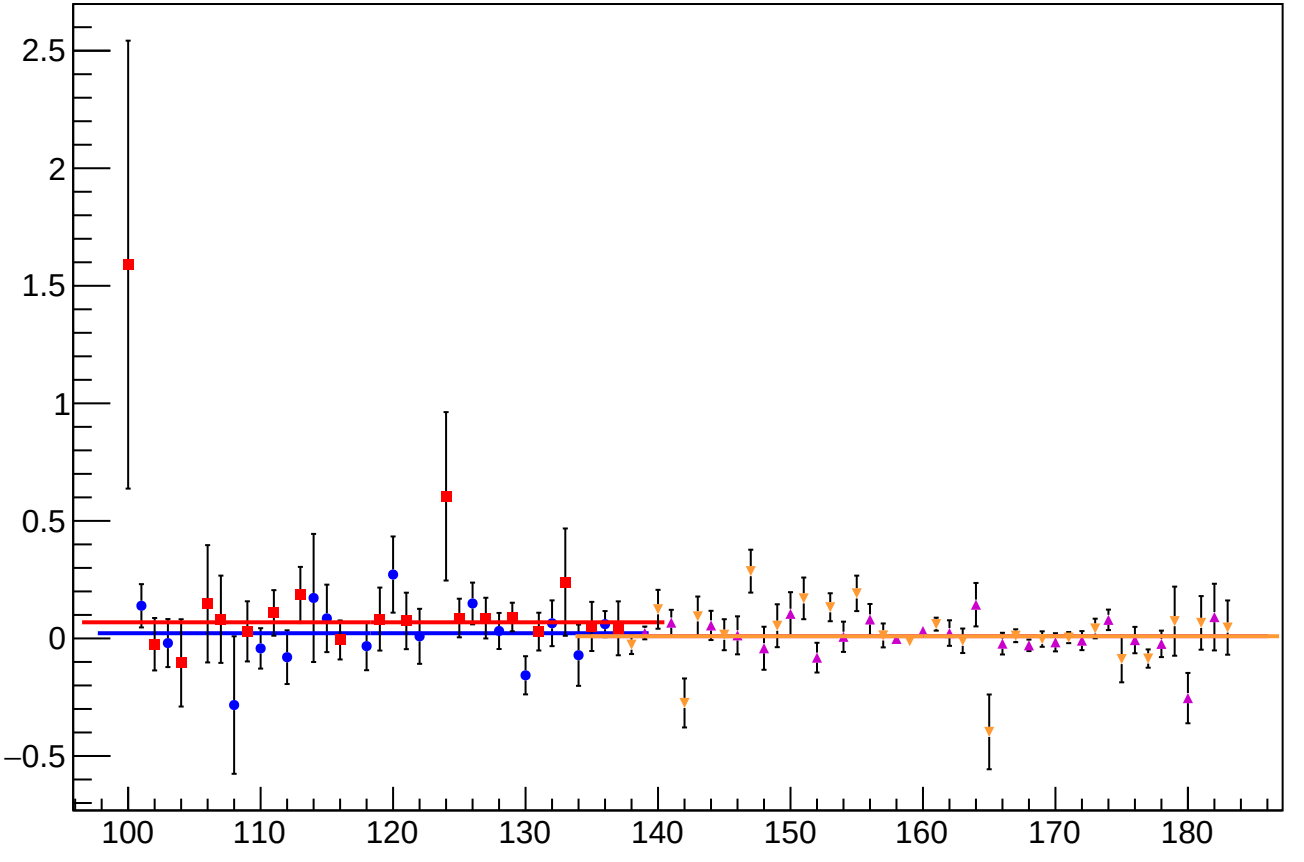
Left In: 25.072+/-0.006 χ^2/NDF:9629901.4/21

+ sign 31.381+/-0.006 χ^2/NDF: 14457027.2/39

All: 29.715+/-0.004 χ^2/NDF: 29760083.6/80

- sign 28.227+/-0.005 χ^2/NDF: 15139109.8/40

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.4/23

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

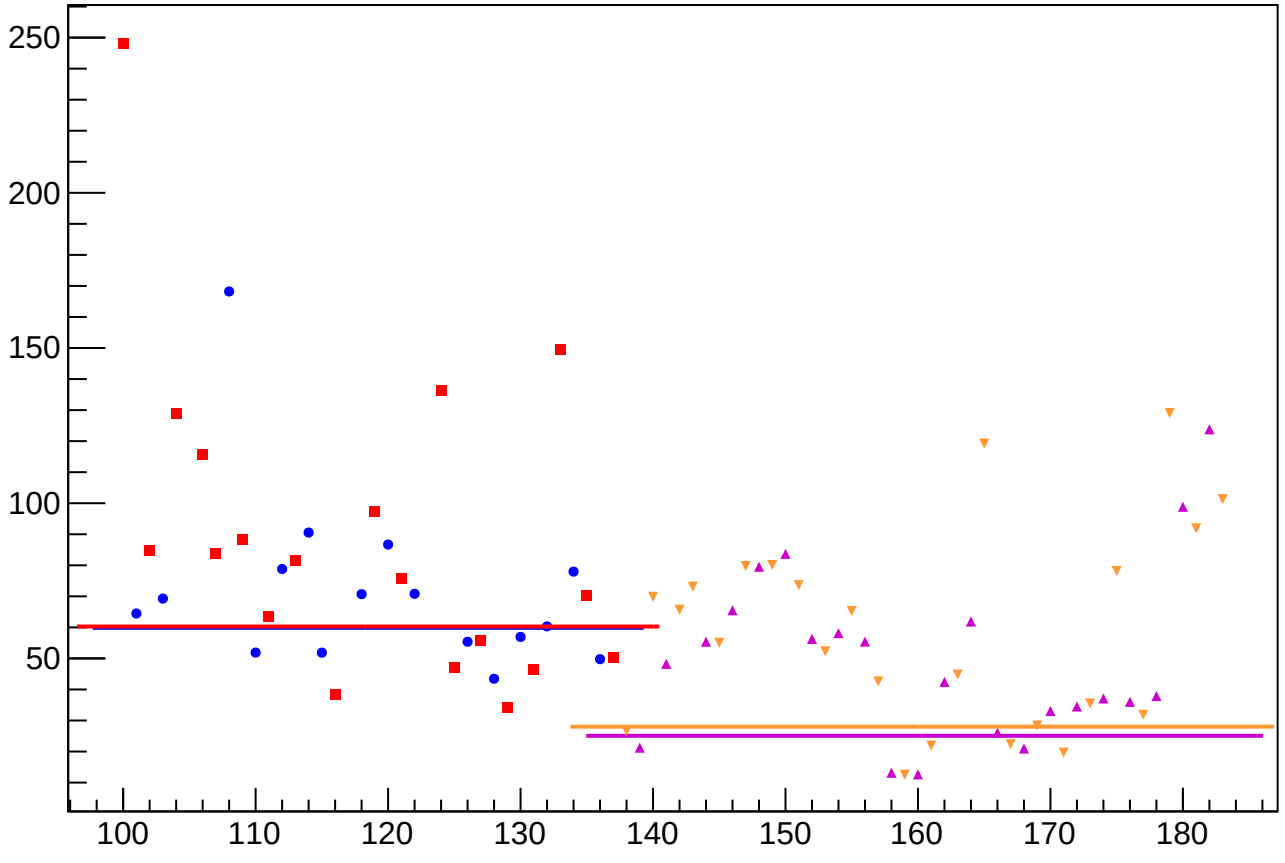
Left In: 0.010+/-0.008 χ^2/NDF:24.1/21

+ sign 0.011+/-0.008 χ^2/NDF: 70.1/39

All: 0.013+/-0.005 χ^2/NDF: 108.9/80

- sign 0.015+/-0.008 χ^2/NDF: 38.6/40

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 28.029+/-0.006 χ^2/NDF:10778643.1/23

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

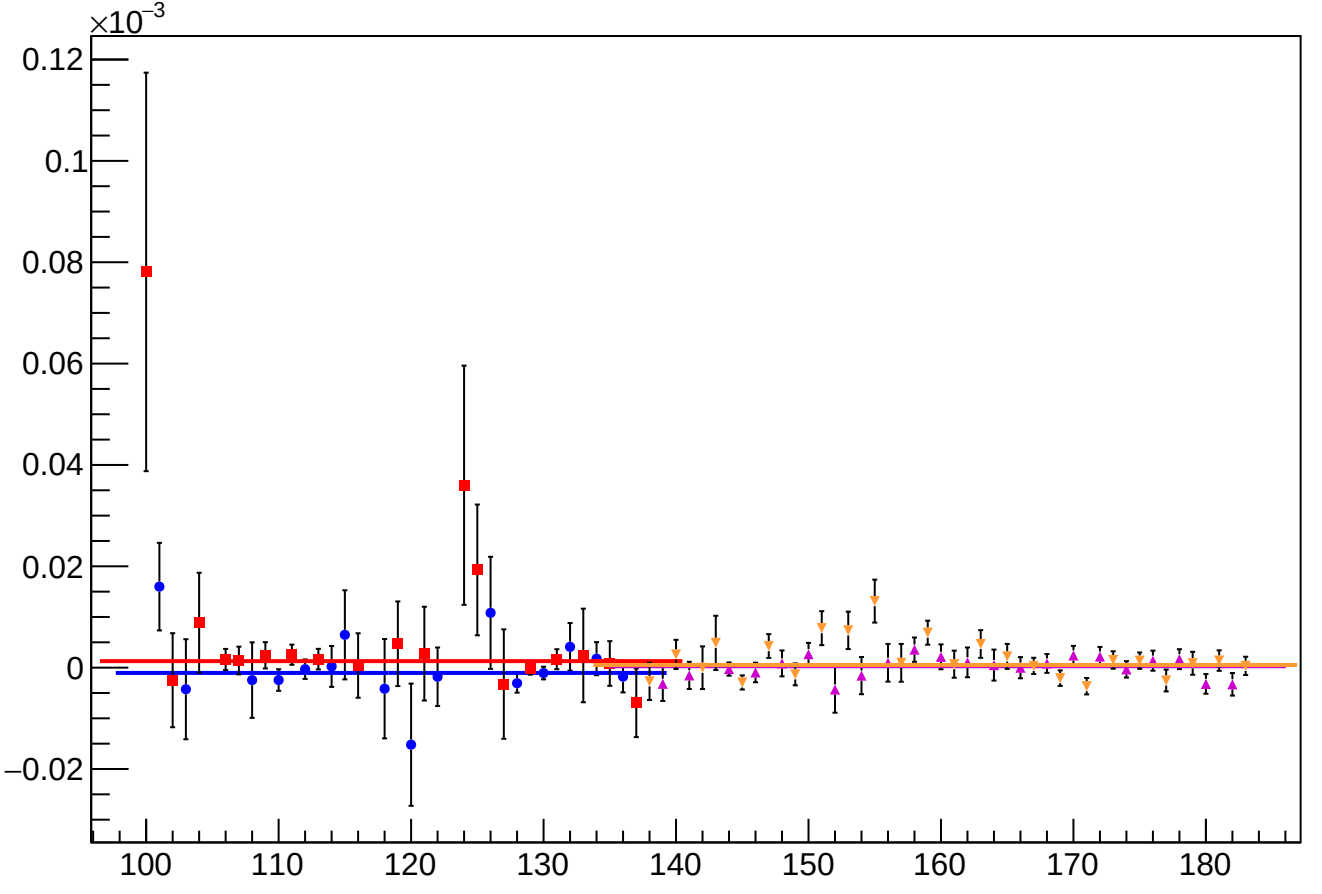
Left In: 25.072+/-0.006 χ^2/NDF:9629901.4/21

+ sign 31.381+/-0.006 χ^2/NDF: 14457027.2/39

All: 29.715+/-0.004 χ^2/NDF: 29760083.6/80

- sign 28.227+/-0.005 χ^2/NDF: 15139109.8/40

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.7/23

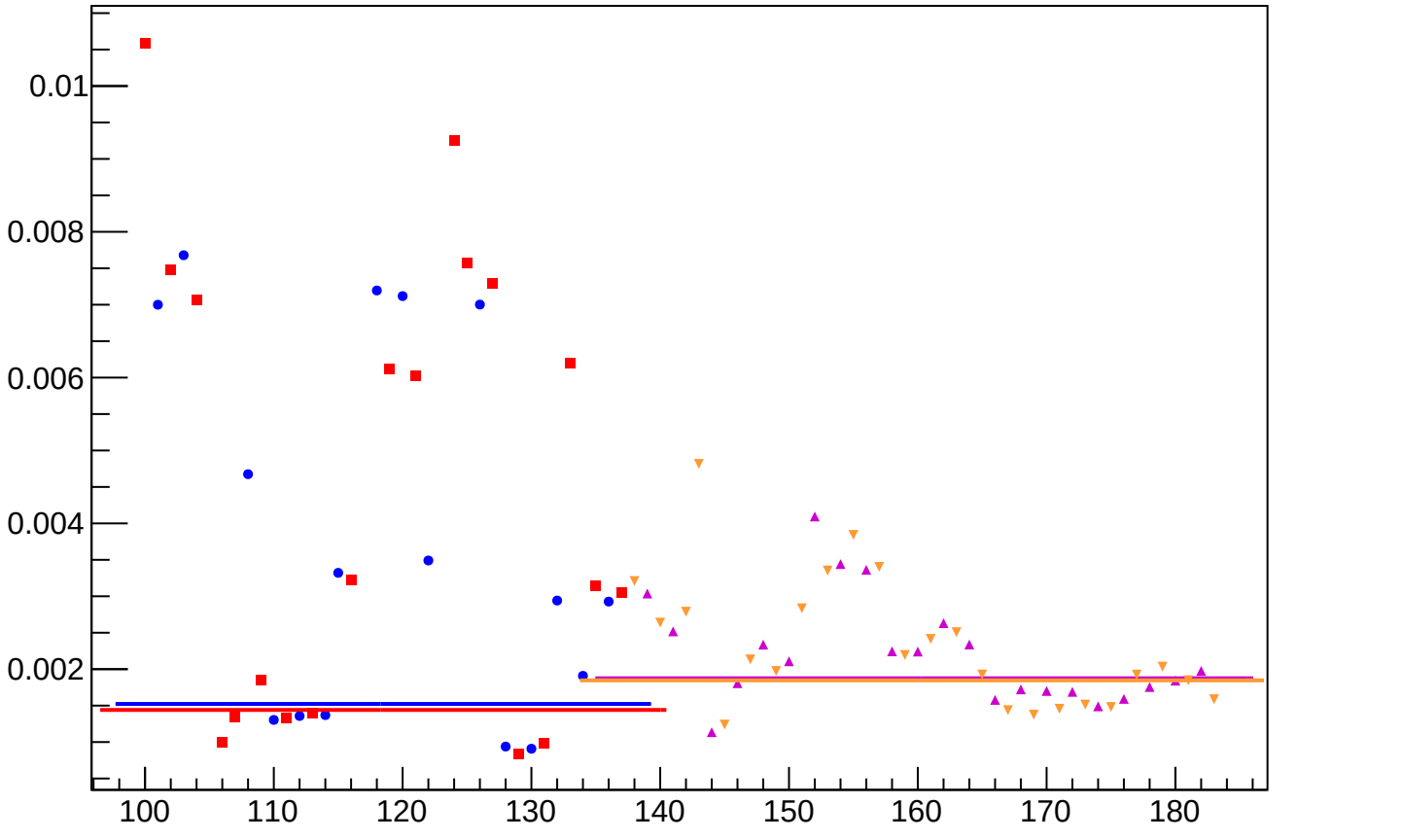
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 65.2/39

All: 0.000+/-0.000 χ^2/NDF: 96.1/80

- sign 0.000+/-0.000 χ^2/NDF: 30.1/40



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3776954.1/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

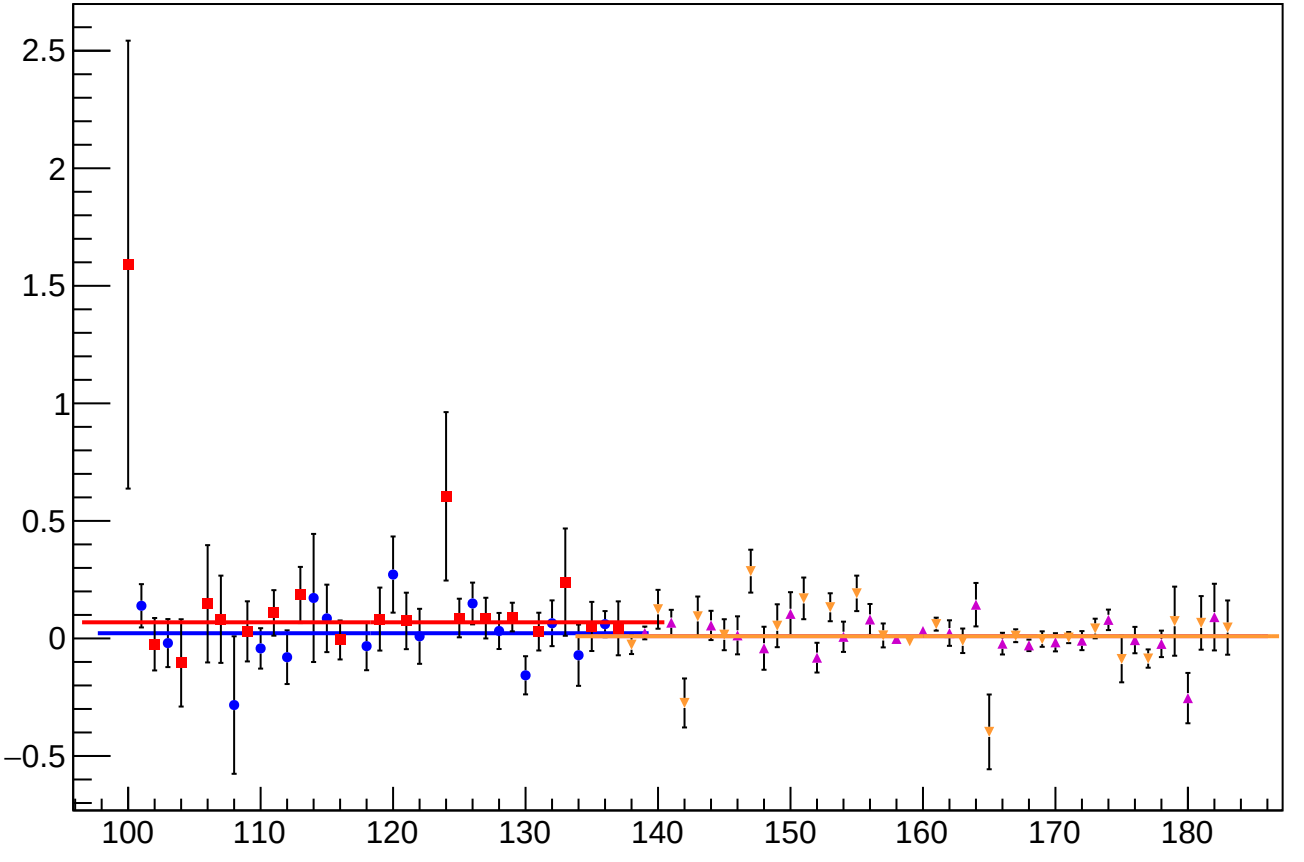
Left In: 0.002+/-0.000 χ^2/NDF:2760839.6/21

+ sign 0.002+/-0.000 χ^2/NDF: 9240526.3/39

All: 0.002+/-0.000 χ^2/NDF: 18327960.2/80

- sign 0.002+/-0.000 χ^2/NDF: 9085296.2/40

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.4/23

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

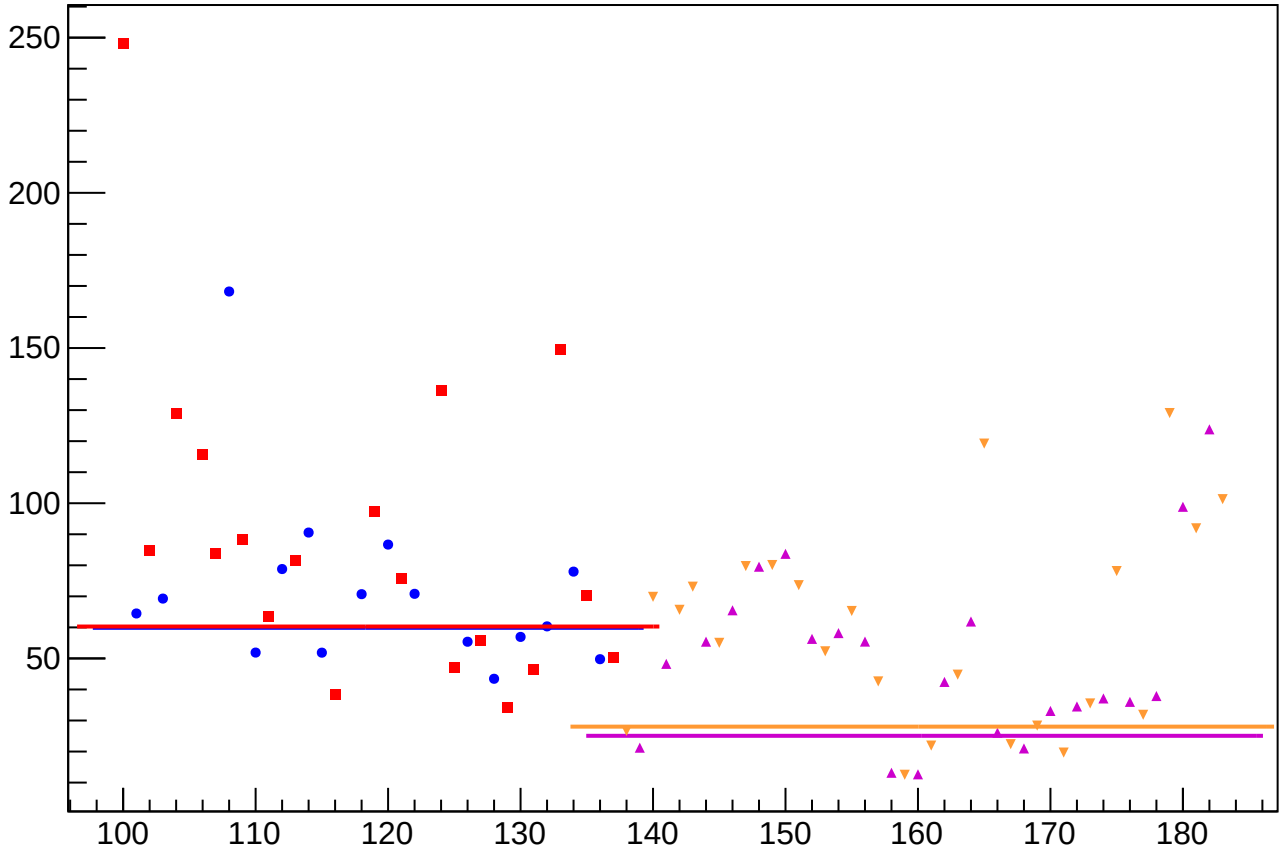
Left In: 0.010+/-0.008 χ^2/NDF:24.1/21

+ sign 0.011+/-0.008 χ^2/NDF: 70.1/39

All: 0.013+/-0.005 χ^2/NDF: 108.9/80

- sign 0.015+/-0.008 χ^2/NDF: 38.6/40

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 28.028+/-0.006 χ^2/NDF:10779706.0/23

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

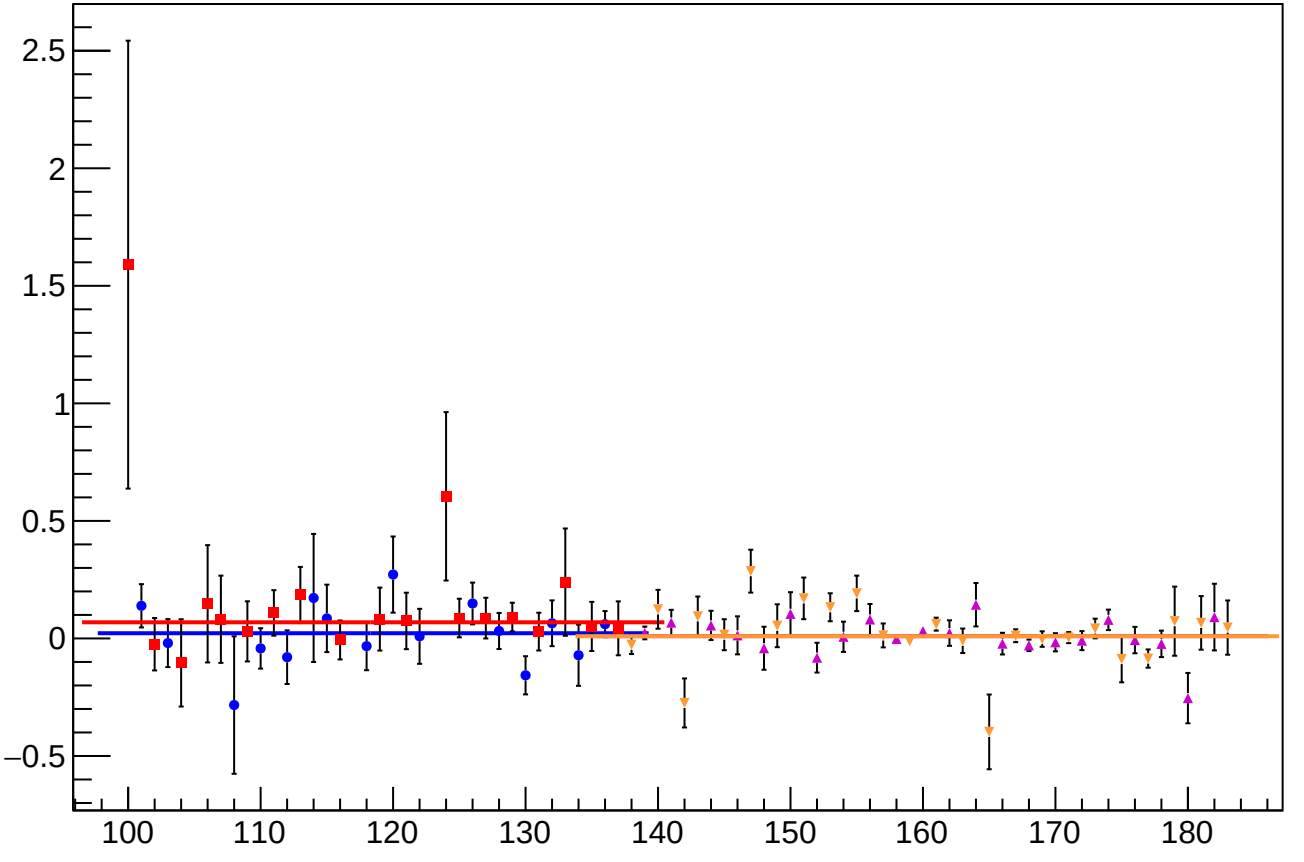
Left In: 25.071+/-0.006 χ^2/NDF:9630398.1/21

+ sign 31.380+/-0.006 χ^2/NDF: 14458448.6/39

All: 29.714+/-0.004 χ^2/NDF: 29762092.8/80

- sign 28.226+/-0.005 χ^2/NDF: 15139778.5/40

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.4/23

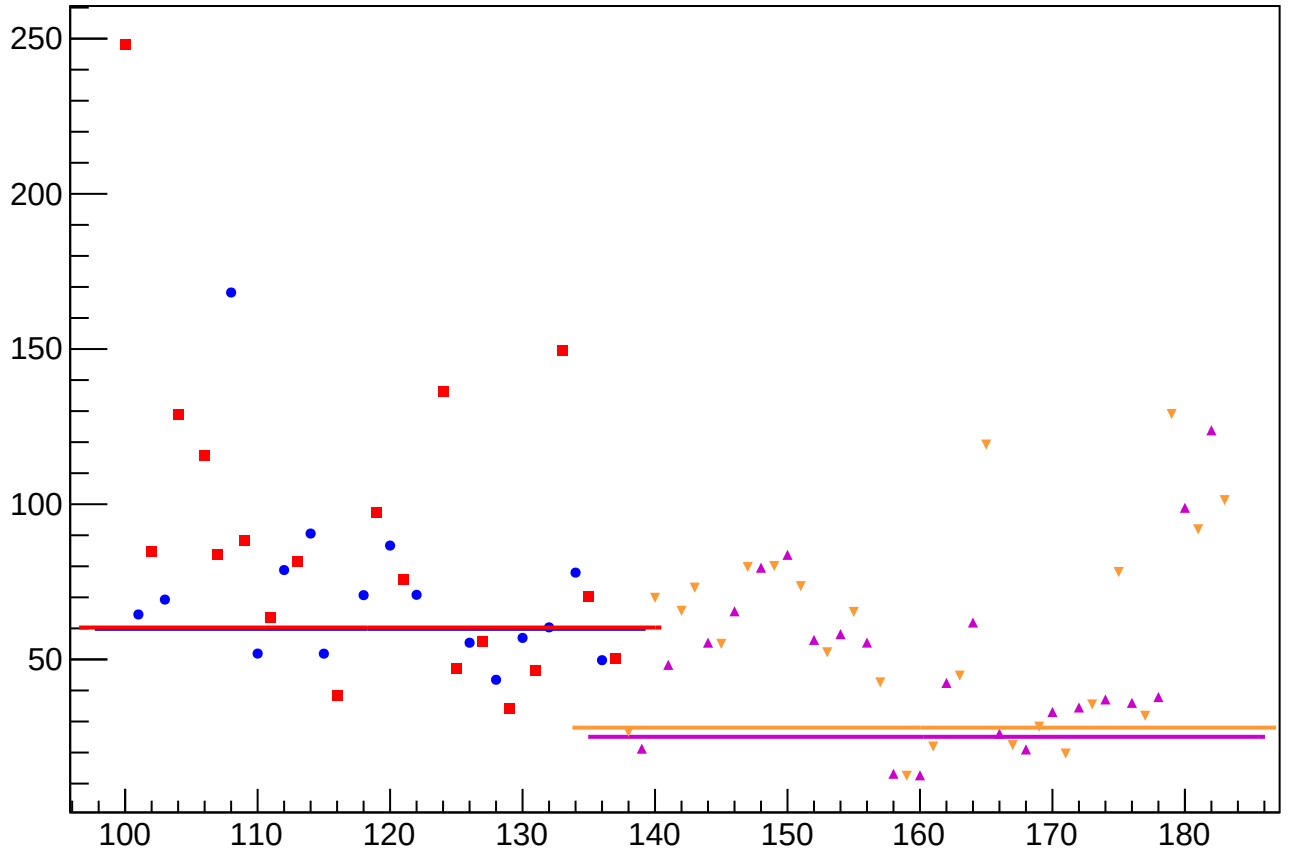
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.010+/-0.008 χ^2/NDF:24.1/21

+ sign 0.011+/-0.008 χ^2/NDF: 70.1/39

All: 0.013+/-0.005 χ^2/NDF: 108.9/80

- sign 0.015+/-0.008 χ^2/NDF: 38.6/40



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 28.028+/-0.006 χ^2/NDF:10779706.0/23

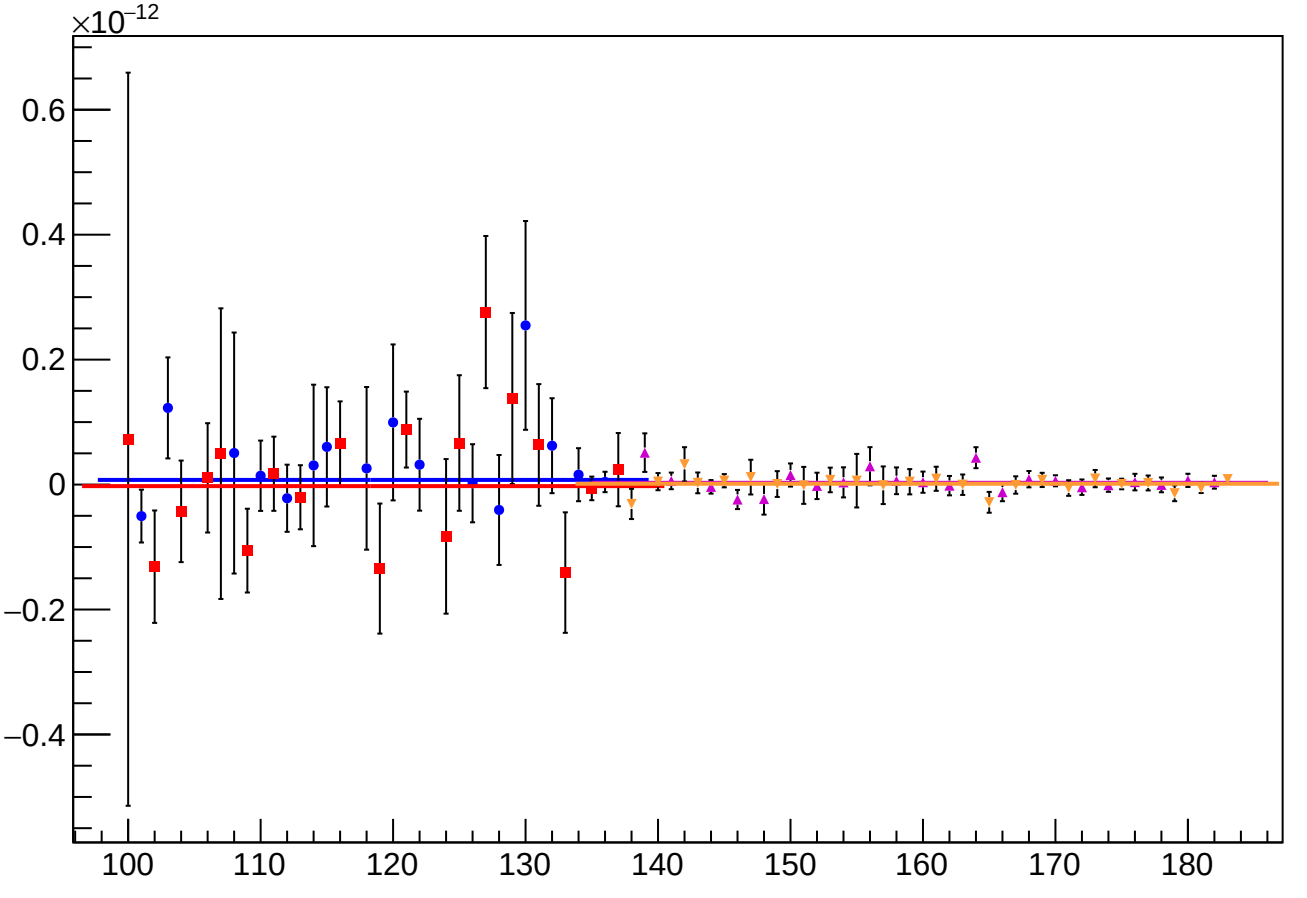
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 25.071+/-0.006 χ^2/NDF:9630398.1/21

+ sign 31.380+/-0.006 χ^2/NDF: 14458448.6/39

All: 29.714+/-0.004 χ^2/NDF: 29762092.8/80

- sign 28.226+/-0.005 χ^2/NDF: 15139778.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

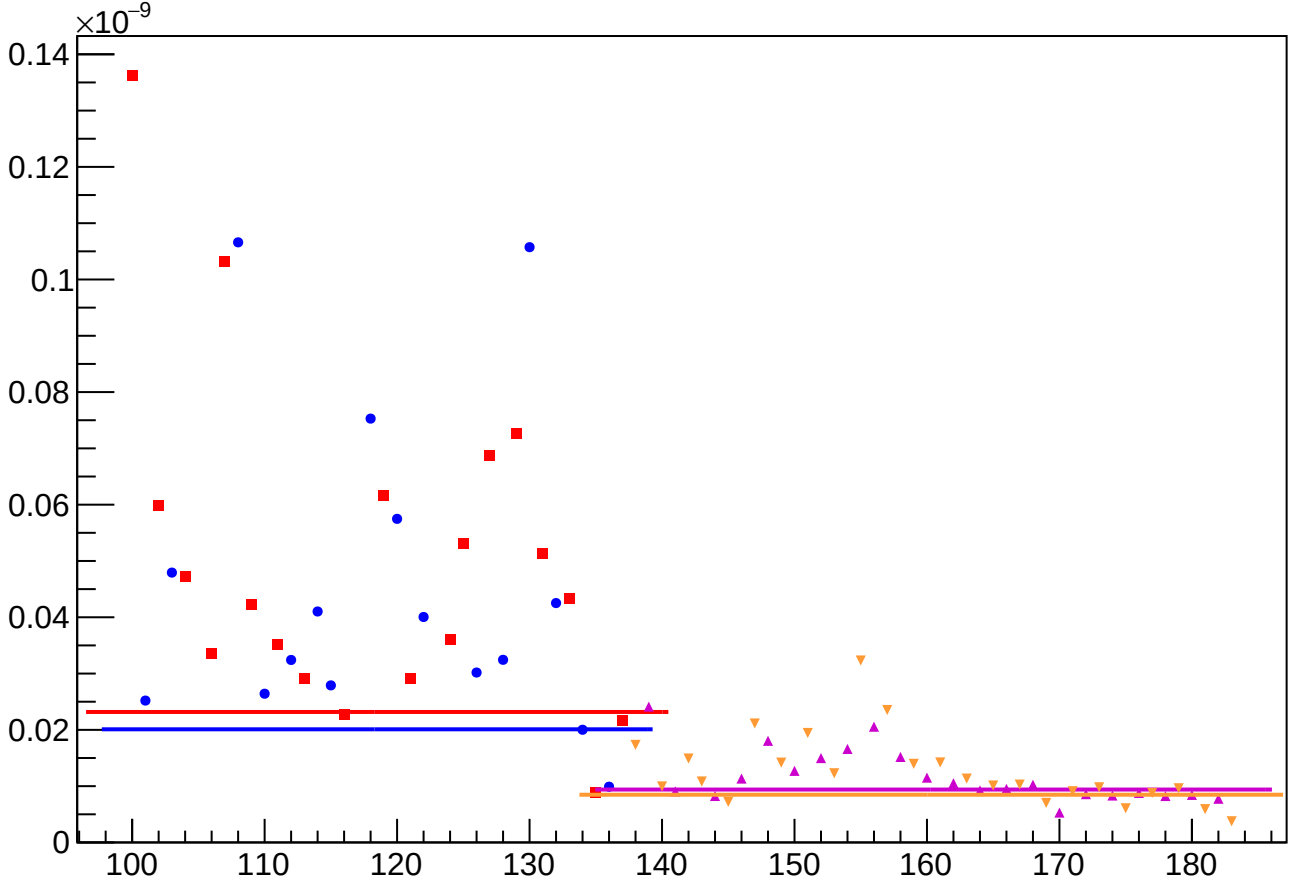
Left In: 0.000+/-0.000 χ^2/NDF:16.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 19.9/39

All: 0.000+/-0.000 χ^2/NDF: 55.9/80

- sign 0.000+/-0.000 χ^2/NDF: 36.0/40

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4340919.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

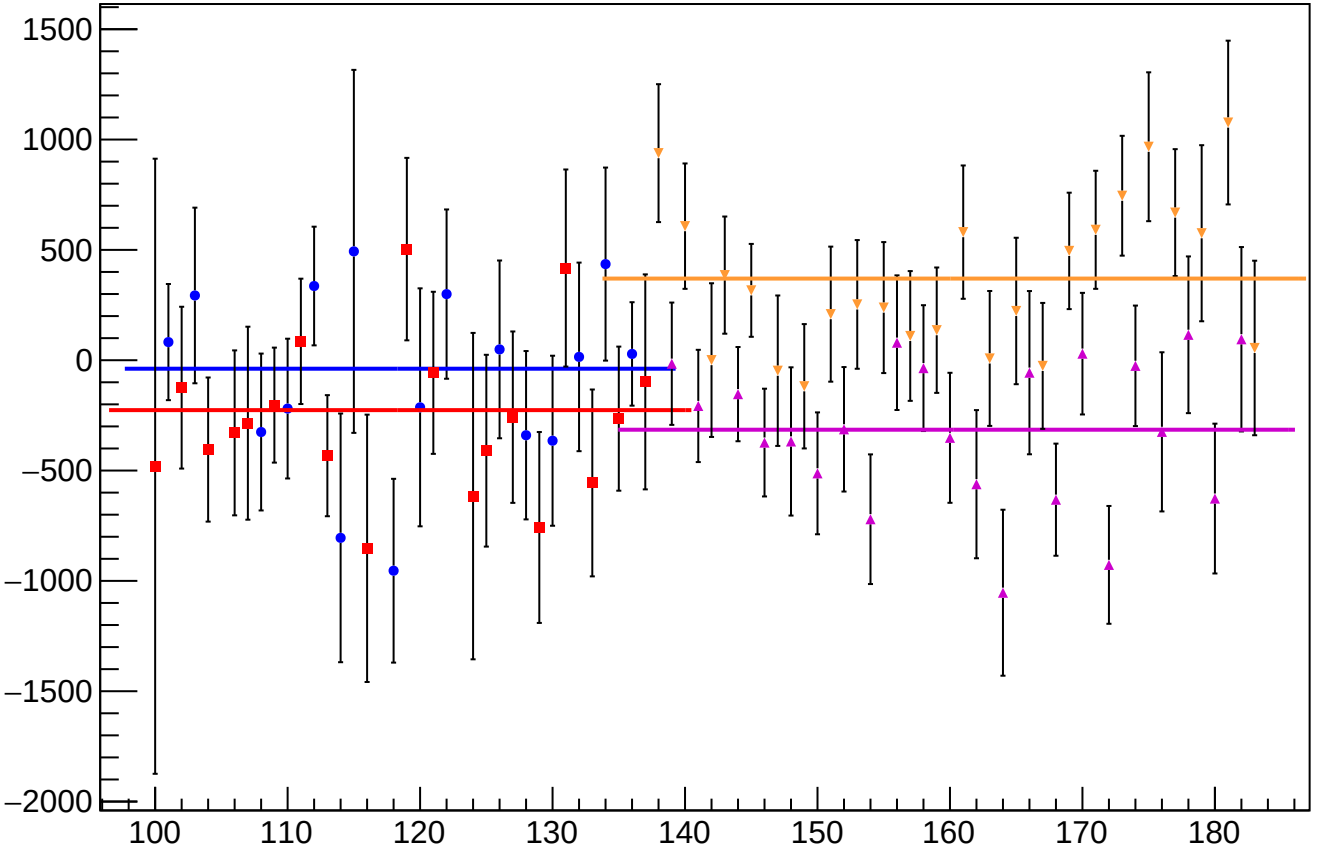
Left In: 0.000+/-0.000 χ^2/NDF:2144855.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 9203927.1/39

All: 0.000+/-0.000 χ^2/NDF: 16983783.0/80

- sign 0.000+/-0.000 χ^2/NDF: 7655738.4/40

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 369.990+/-60.596 χ^2/NDF:27.4/23

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

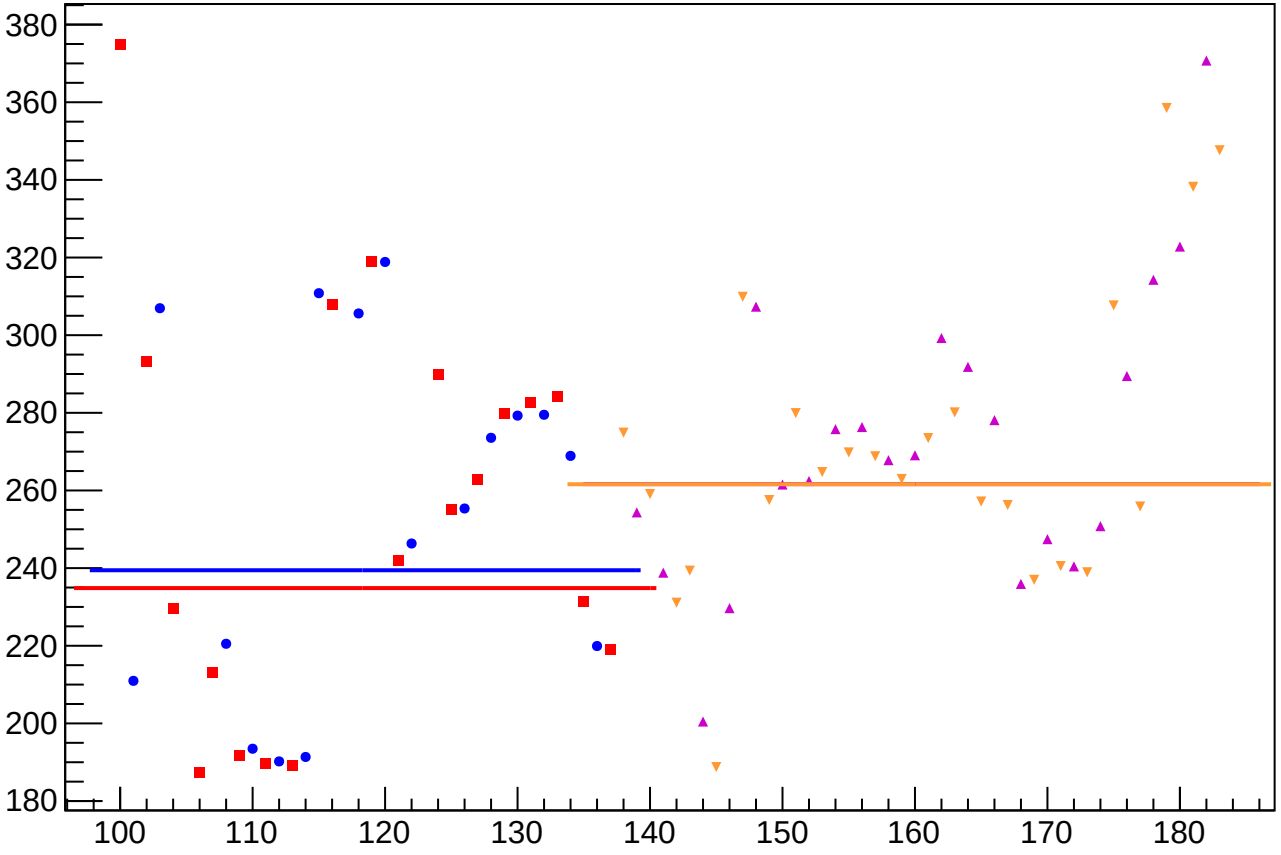
Left In: -314.941+/-62.346 χ^2/NDF:24.7/21

+ sign 243.772+/-50.372 χ^2/NDF: 55.9/39

All: -18.208+/-35.788 χ^2/NDF: 147.3/80

- sign -285.233+/-50.854 χ^2/NDF: 36.8/40

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 261.602+/-0.043 χ^2/NDF:714817.2/23

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

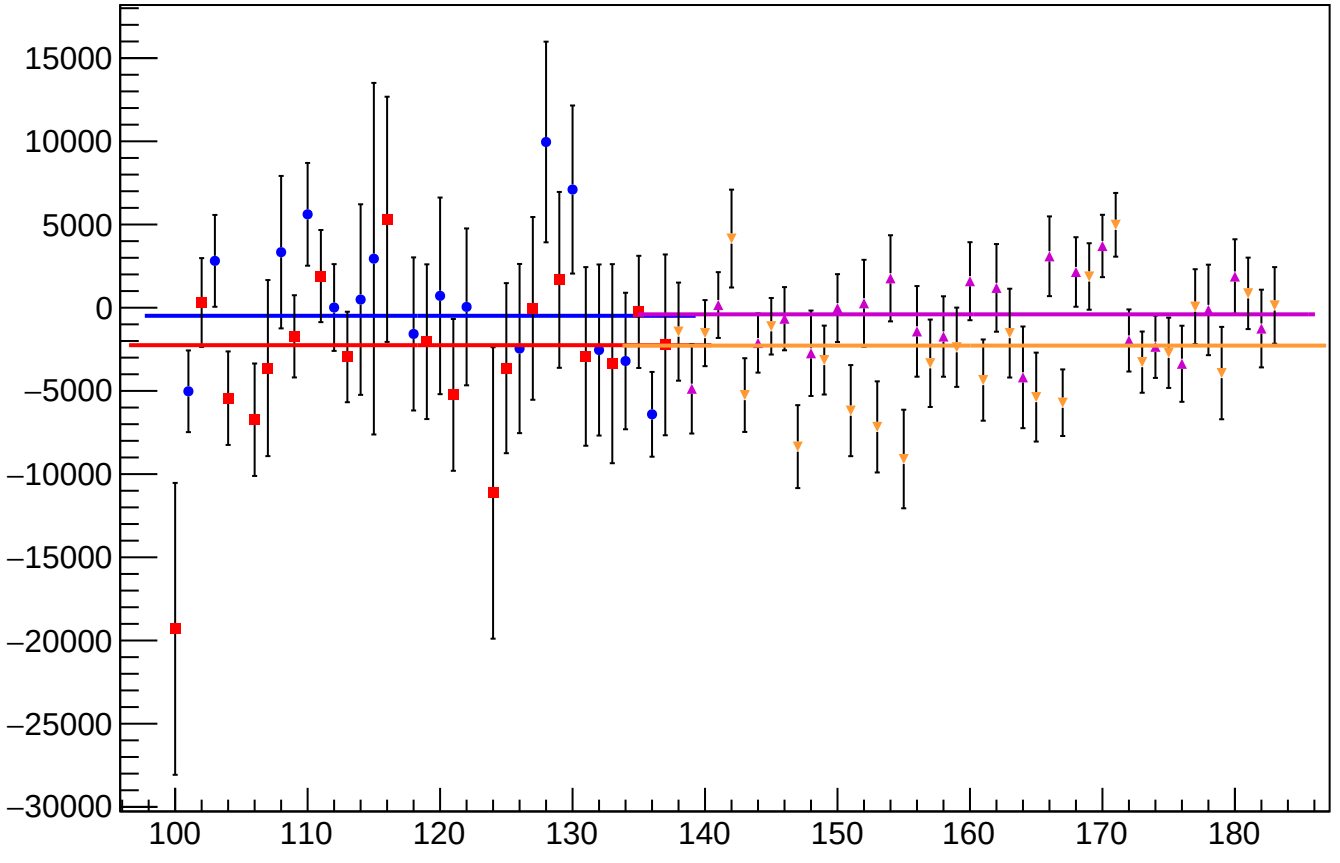
Left In: 261.641+/-0.044 χ^2/NDF:605032.1/21

+ sign 254.757+/-0.036 χ^2/NDF: 1198368.4/39

All: 253.727+/-0.025 χ^2/NDF: 2410360.4/80

- sign 252.677+/-0.036 χ^2/NDF: 1210302.8/40

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2276.013+/-466.050 χ^2/NDF:52.9/23

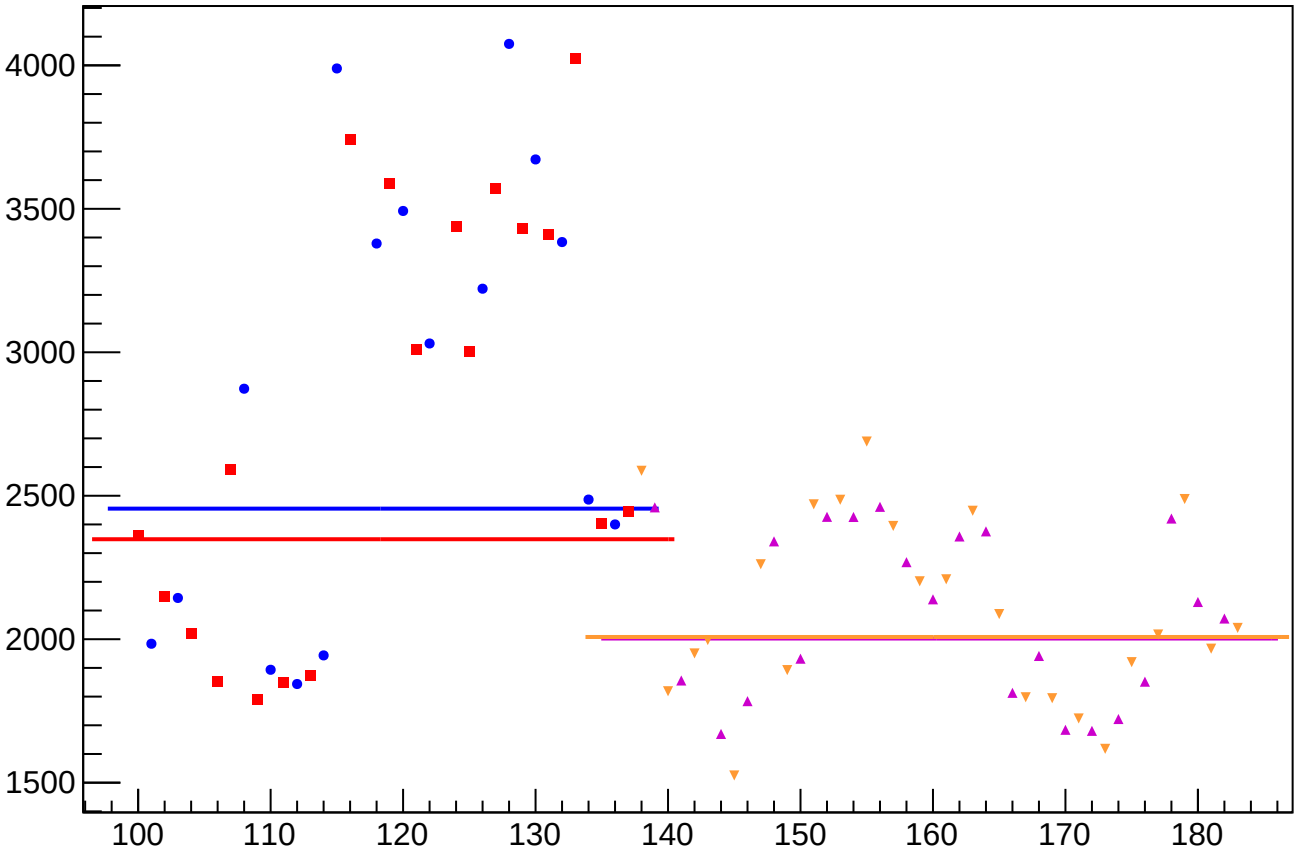
Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: -397.849+/-477.620 χ^2/NDF:21.6/21

\+ sign -1927.268+/-418.195 χ^2/NDF: 76.9/39

All: -1372.457+/-296.795 χ^2/NDF: 119.2/80

\- sign -809.411+/-421.287 χ^2/NDF: 38.8/40



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2007.748+/-0.330 χ^2/NDF:877787.2/23

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

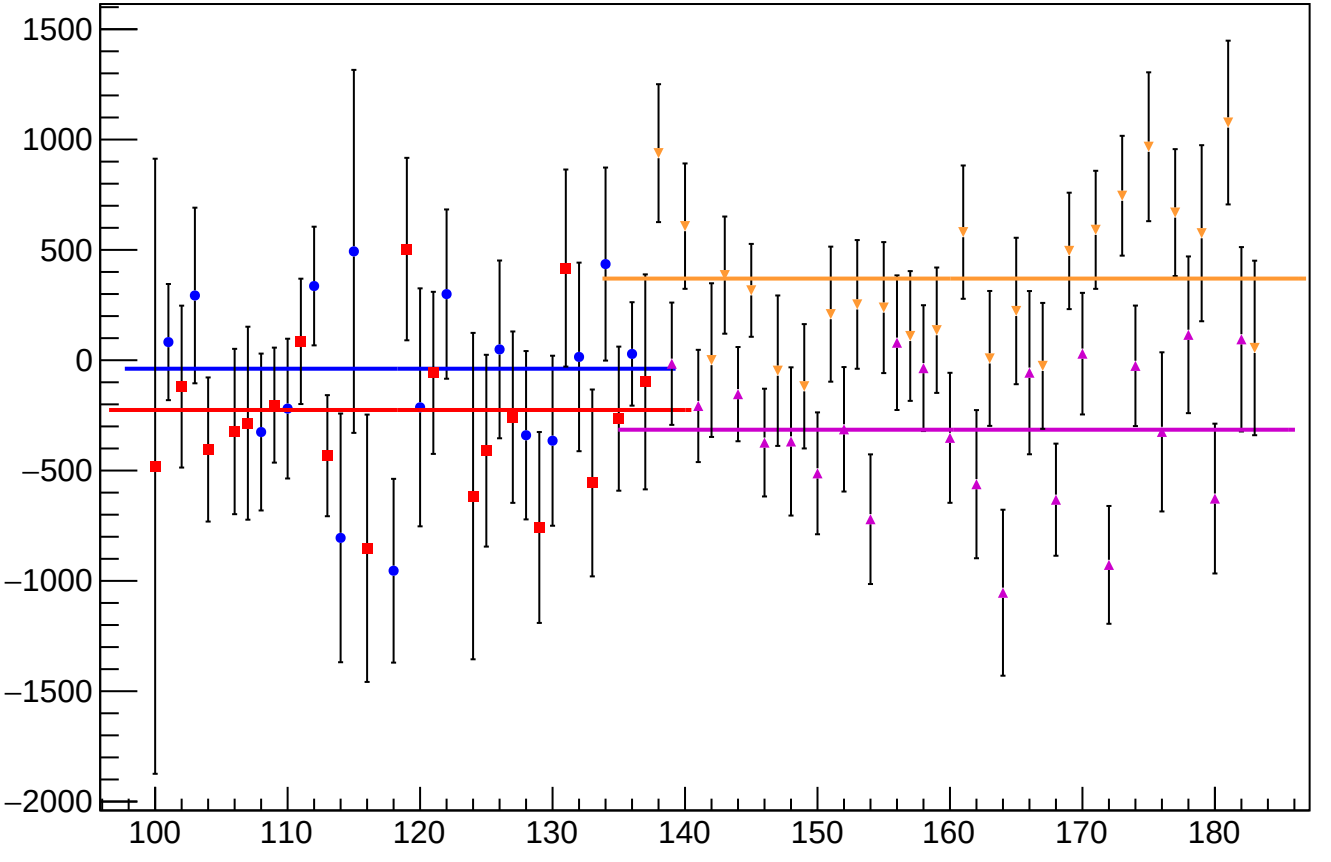
Left In: 2002.384+/-0.338 χ^2/NDF:702862.2/21

+ sign 2094.902+/-0.296 χ^2/NDF: 2131186.7/39

All: 2087.110+/-0.210 χ^2/NDF: 4120940.6/80

- sign 2079.203+/-0.298 χ^2/NDF: 1988355.0/40

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 370.006+/-60.596 χ^2/NDF:27.4/23

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

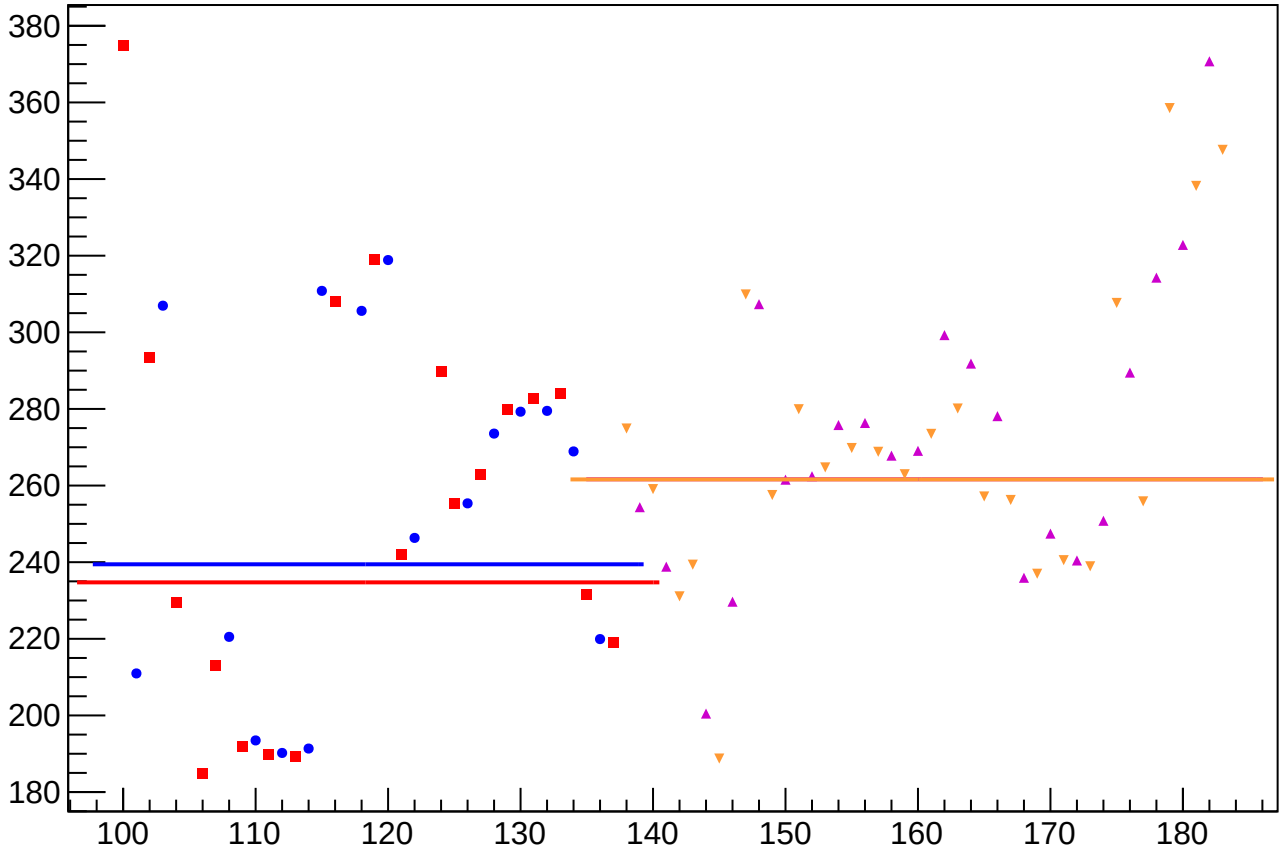
Left In: -314.948+/-62.346 χ^2/NDF:24.7/21

+ sign 243.777+/-50.372 χ^2/NDF: 55.9/39

All: -18.089+/-35.789 χ^2/NDF: 147.3/80

- sign -285.024+/-50.857 χ^2/NDF: 36.8/40

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 261.602+/-0.043 χ^2/NDF:714817.2/23

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

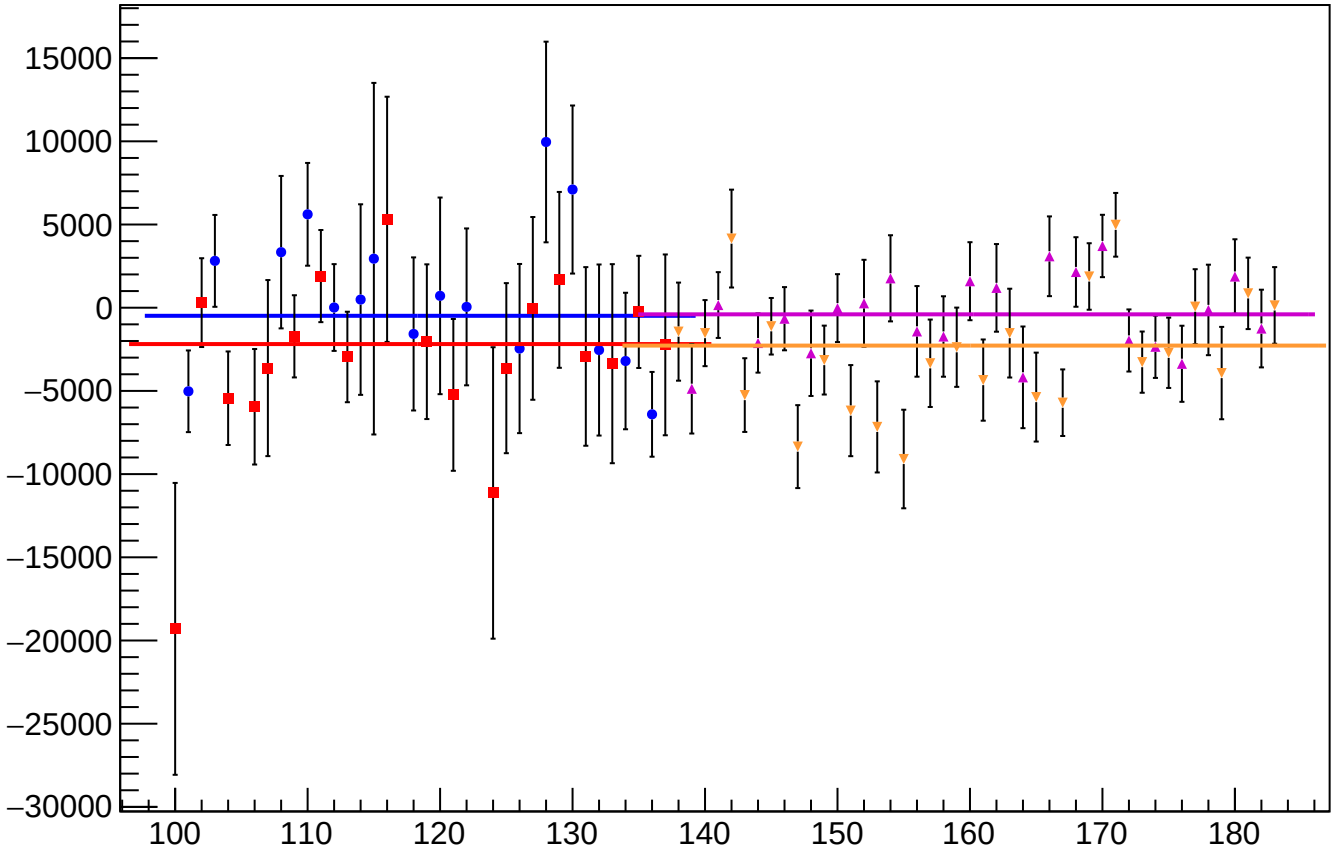
Left In: 261.641+/-0.044 χ^2/NDF:605032.1/21

+ sign 254.757+/-0.036 χ^2/NDF: 1198370.4/39

All: 253.708+/-0.025 χ^2/NDF: 2415048.7/80

- sign 252.638+/-0.036 χ^2/NDF: 1214925.5/40

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2275.993+/-466.050 χ^2/NDF:52.9/23

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

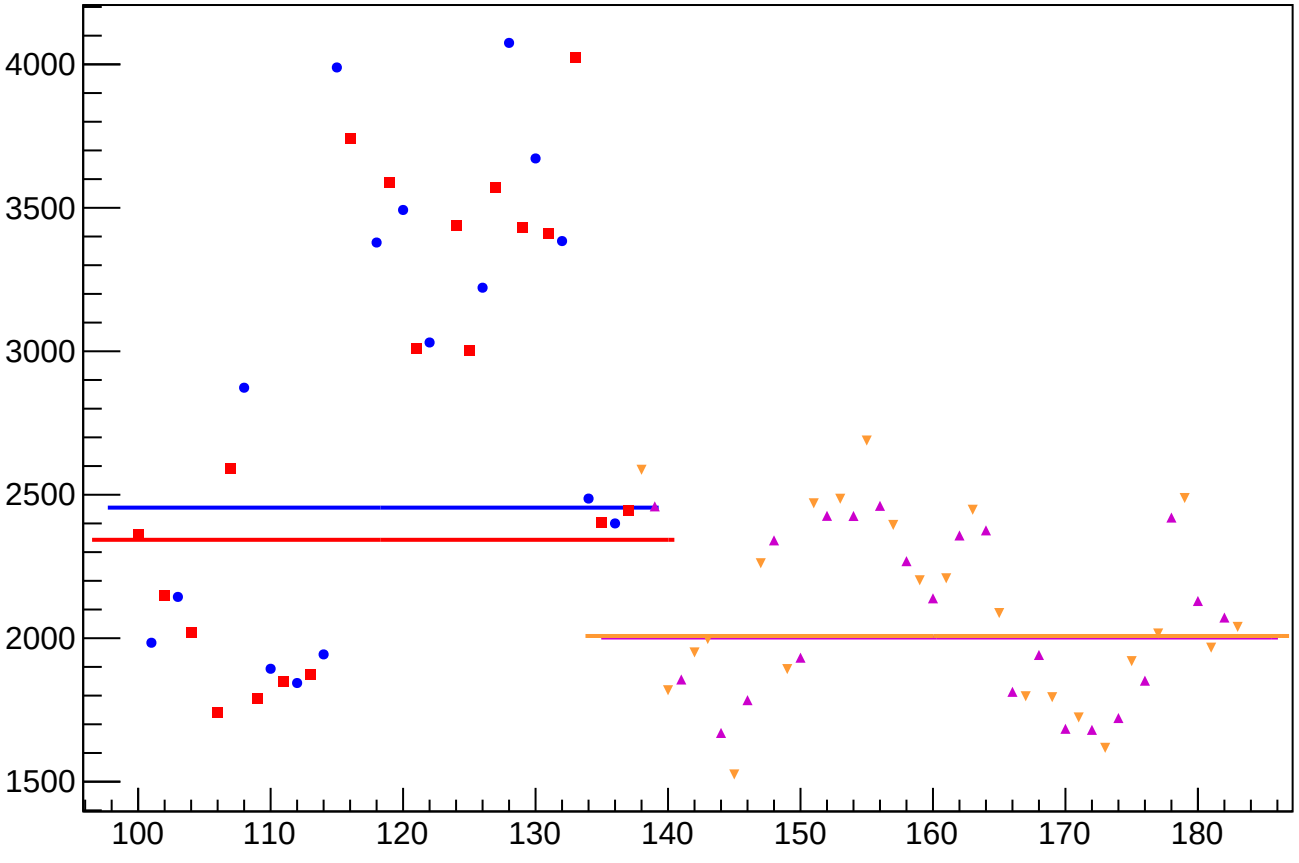
Left In: -397.856+/-477.620 χ^2/NDF:21.6/21

+ sign -1927.290+/-418.195 χ^2/NDF: 76.9/39

All: -1364.741+/-296.857 χ^2/NDF: 118.4/80

- sign -793.365+/-421.463 χ^2/NDF: 37.9/40

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2007.748+/-0.330 χ^2/NDF:877787.8/23

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

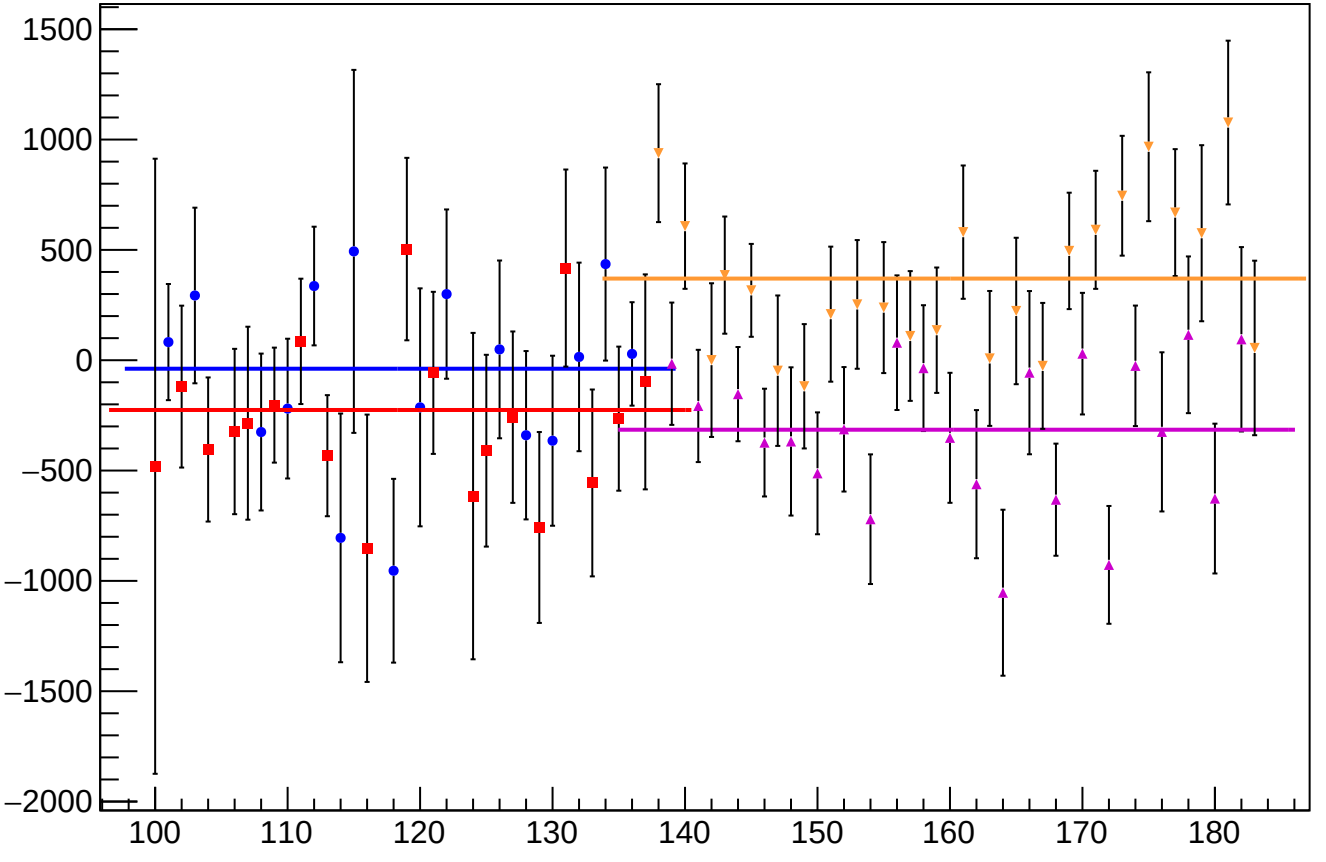
Left In: 2002.384+/-0.338 χ^2/NDF:702862.9/21

+ sign 2094.905+/-0.296 χ^2/NDF: 2131190.5/39

All: 2086.400+/-0.210 χ^2/NDF: 4131178.5/80

- sign 2077.762+/-0.298 χ^2/NDF: 1998320.6/40

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 370.006+/-60.596 χ^2/NDF:27.4/23

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

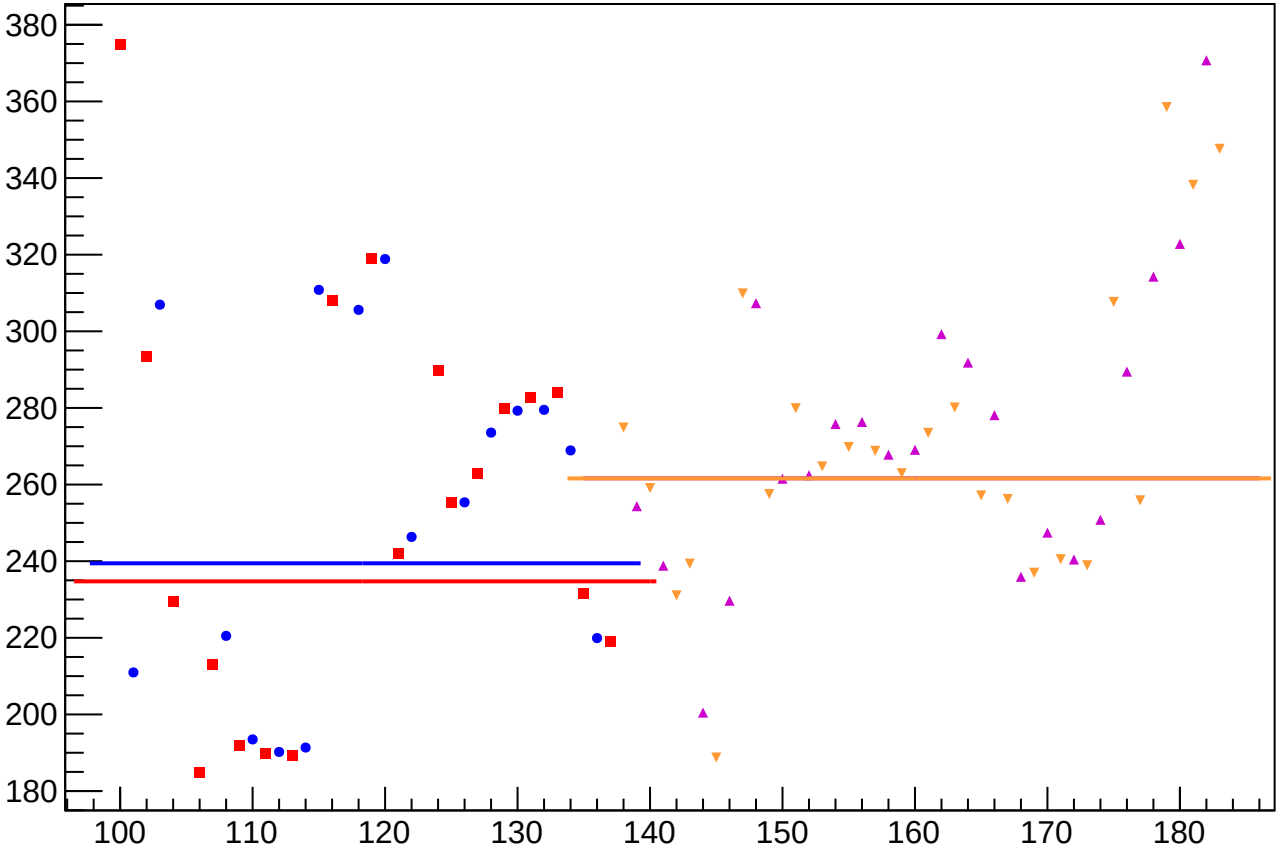
Left In: -314.948+/-62.346 χ^2/NDF:24.7/21

+ sign 243.777+/-50.372 χ^2/NDF: 55.9/39

All: -18.089+/-35.789 χ^2/NDF: 147.3/80

- sign -285.024+/-50.857 χ^2/NDF: 36.8/40

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 261.602+/-0.043 χ^2/NDF:714817.2/23

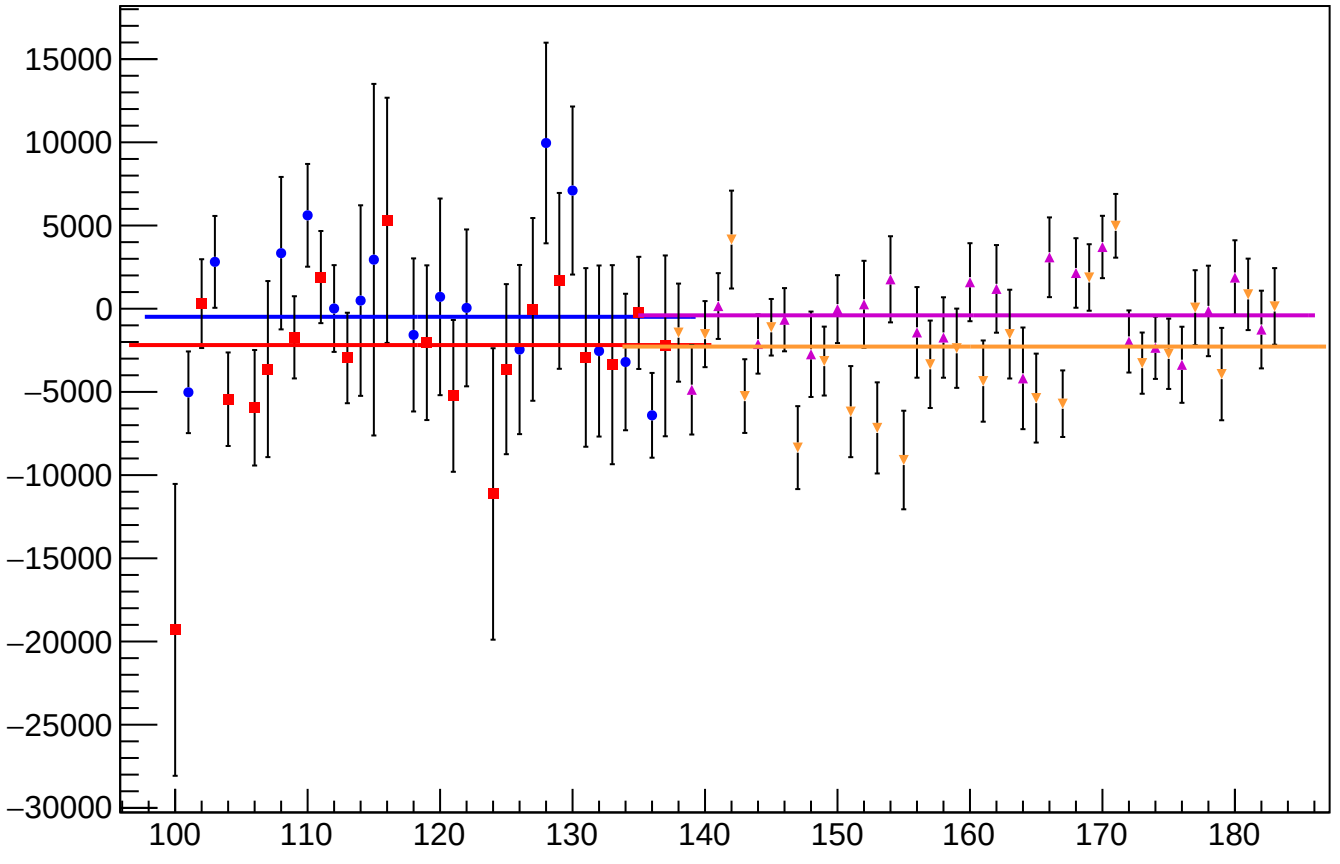
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 261.641+/-0.044 χ^2/NDF:605032.1/21

+ sign 254.757+/-0.036 χ^2/NDF: 1198370.4/39

All: 253.708+/-0.025 χ^2/NDF: 2415048.7/80

- sign 252.638+/-0.036 χ^2/NDF: 1214925.5/40



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2275.993+/-466.050 χ^2/NDF:52.9/23

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

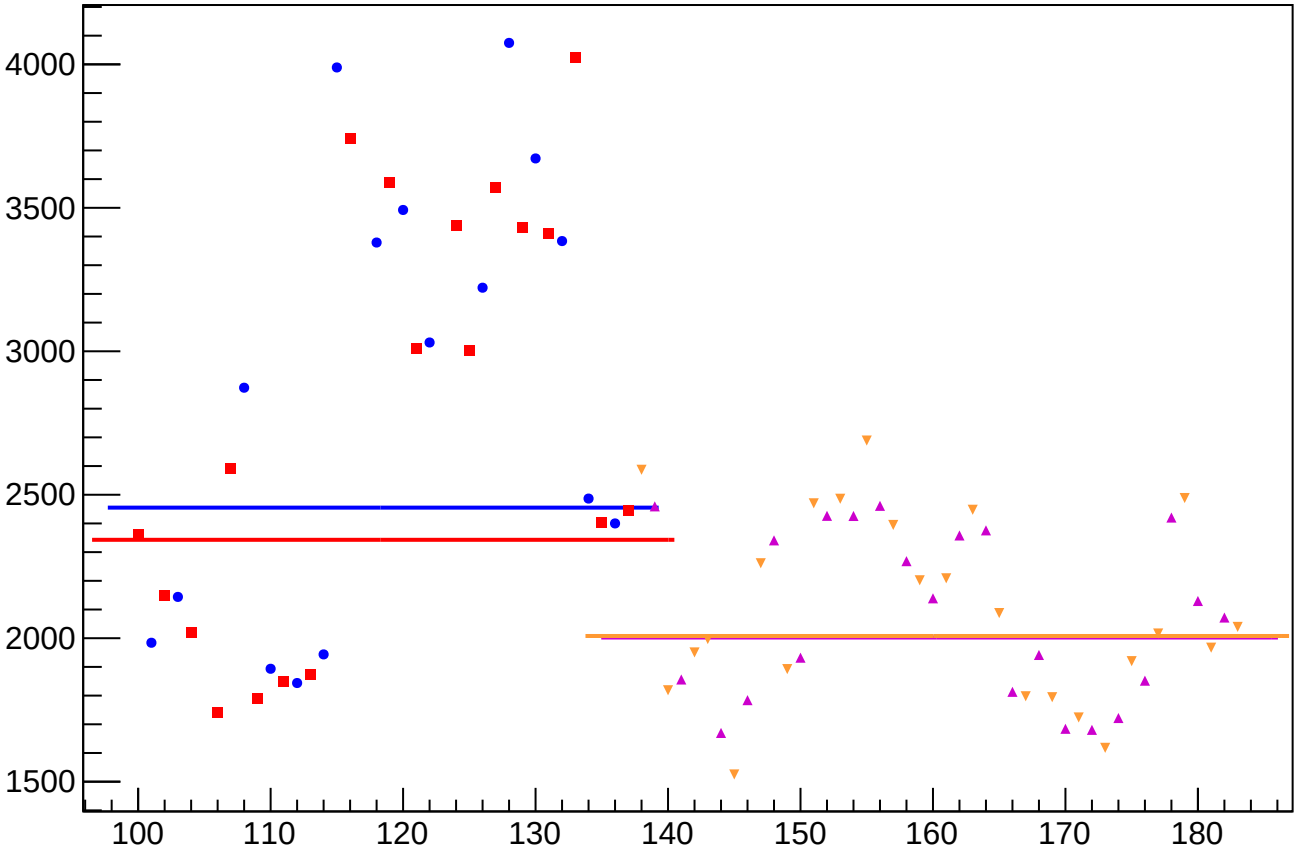
Left In: -397.856+/-477.620 χ^2/NDF:21.6/21

\+ sign -1927.290+/-418.195 χ^2/NDF: 76.9/39

All: -1364.741+/-296.857 χ^2/NDF: 118.4/80

\- sign -793.365+/-421.463 χ^2/NDF: 37.9/40

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2007.748+/-0.330 χ^2/NDF:877787.8/23

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

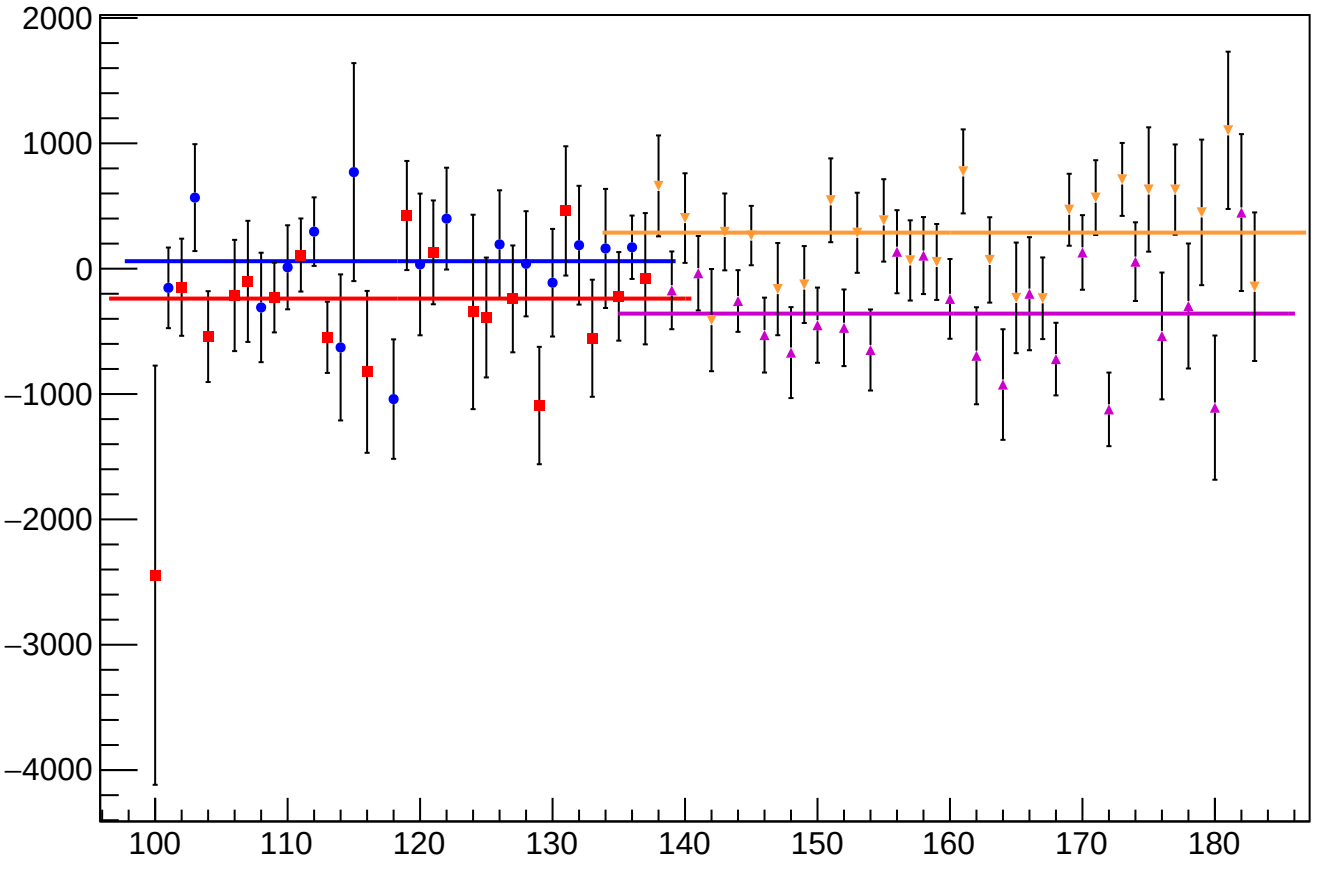
Left In: 2002.384+/-0.338 χ^2/NDF:702862.9/21

+ sign 2094.905+/-0.296 χ^2/NDF: 2131190.5/39

All: 2086.400+/-0.210 χ^2/NDF: 4131178.5/80

- sign 2077.762+/-0.298 χ^2/NDF: 1998320.6/40

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 287.747+/-70.273 χ^2/NDF:22.6/23

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

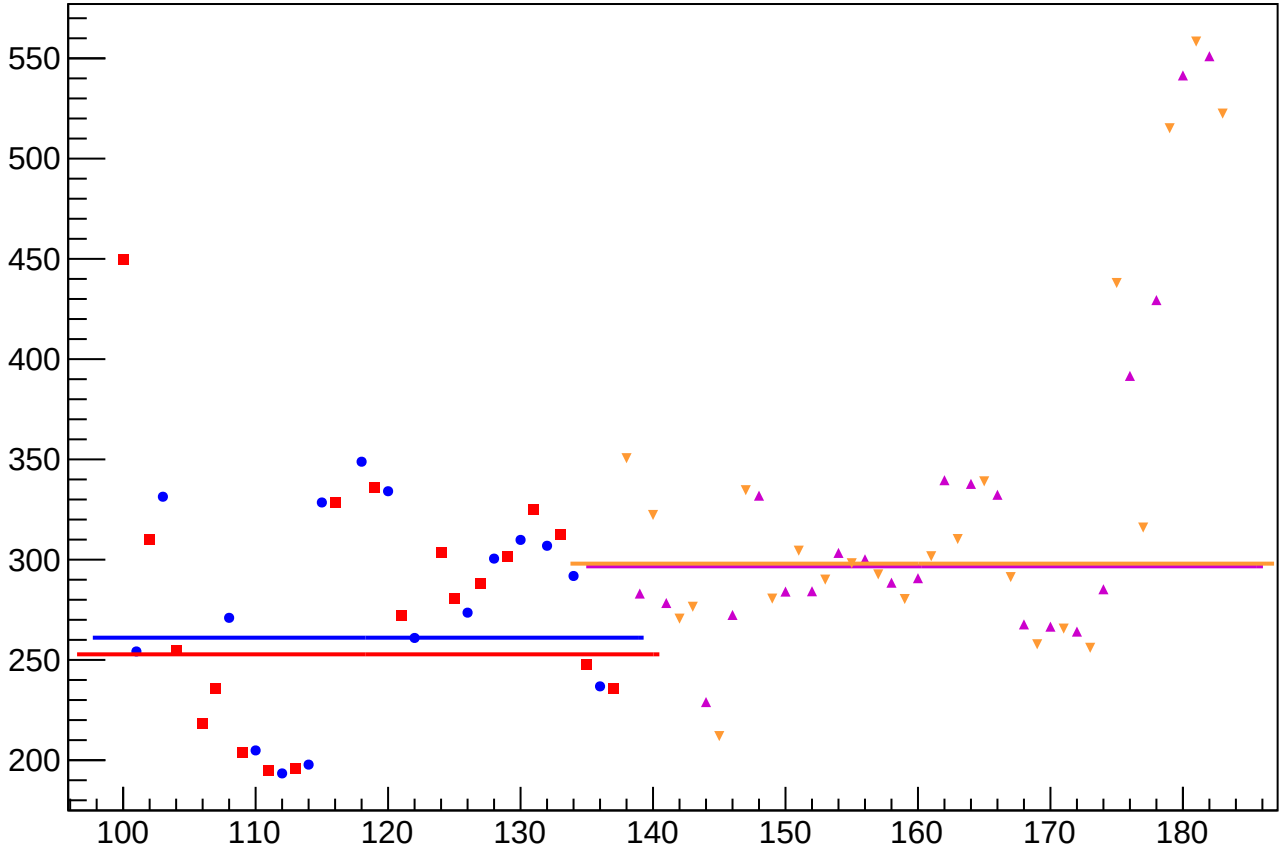
Left In: -358.423+/-71.950 χ^2/NDF:27.2/21

+ sign 211.587+/-57.348 χ^2/NDF: 38.1/39

All: -51.482+/-40.559 χ^2/NDF: 123.4/80

- sign -314.751+/-57.370 χ^2/NDF: 43.2/40

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 298.016+/-0.050 χ^2/NDF:1561843.1/23

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

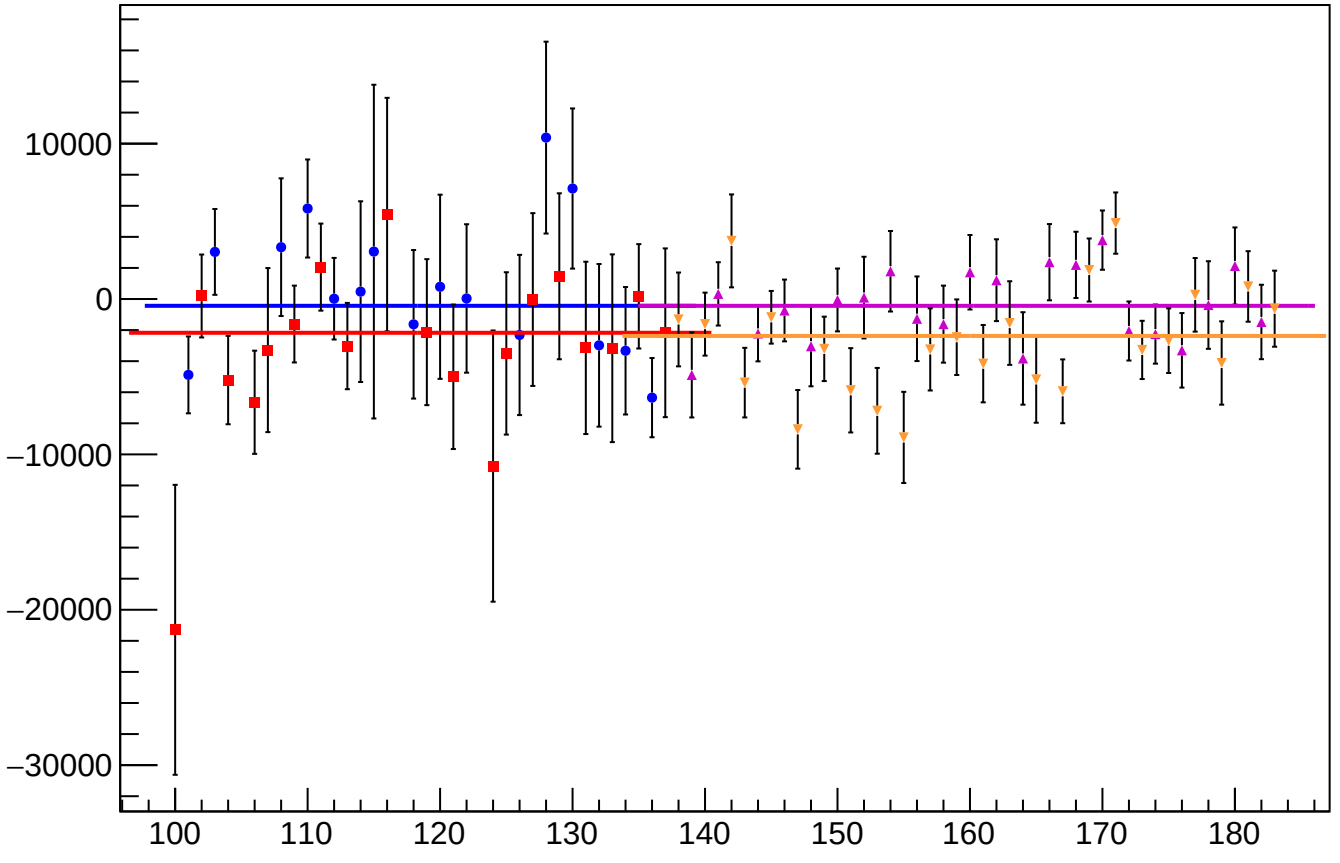
Left In: 296.670+/-0.051 χ^2/NDF:1231936.2/21

+ sign 285.682+/-0.041 χ^2/NDF: 2208972.2/39

All: 283.186+/-0.029 χ^2/NDF: 4256745.6/80

- sign 280.687+/-0.041 χ^2/NDF: 2040189.1/40

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2375.609+/-473.721 χ^2/NDF:49.3/23

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

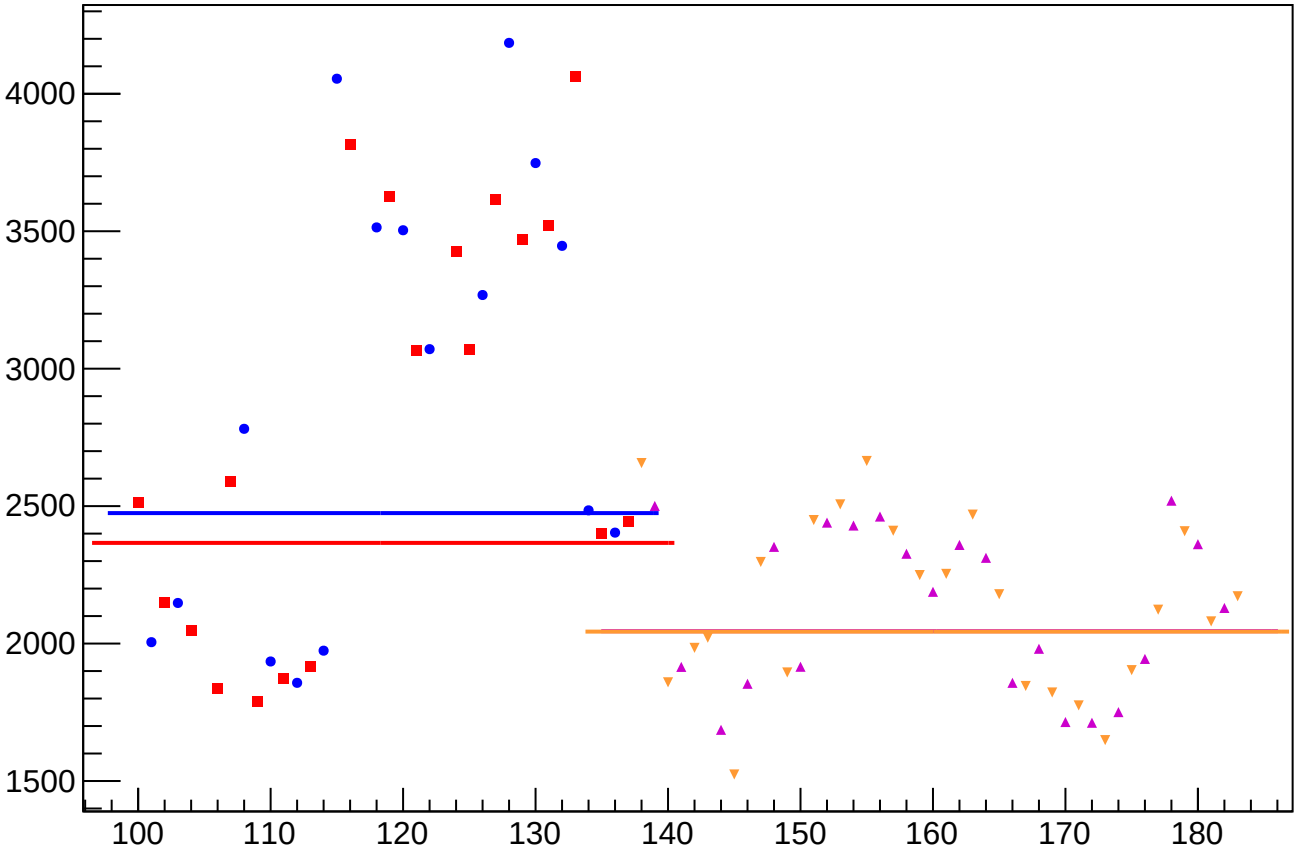
Left In: -437.884+/-487.637 χ^2/NDF:20.5/21

+ sign -1992.826+/-424.390 χ^2/NDF: 73.8/39

All: -1417.864+/-301.659 χ^2/NDF: 114.9/80

- sign -830.708+/-428.867 χ^2/NDF: 37.4/40

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2043.479+/-0.335 χ^2/NDF:853344.3/23

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

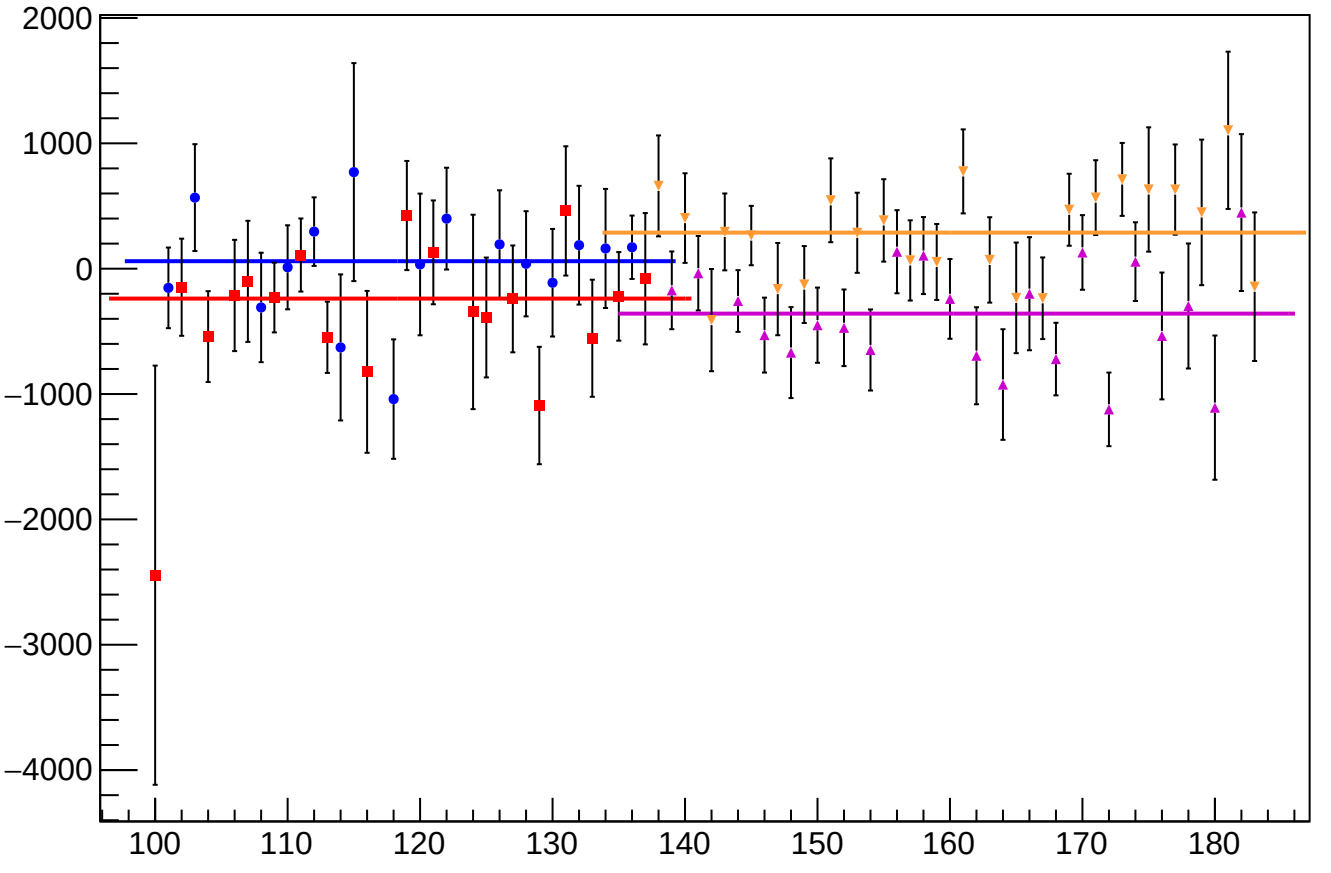
Left In: 2045.010+/-0.345 χ^2/NDF:690205.3/21

+ sign 2128.597+/-0.300 χ^2/NDF: 2096657.3/39

All: 2123.240+/-0.213 χ^2/NDF: 4061250.7/80

- sign 2117.769+/-0.303 χ^2/NDF: 1963949.3/40

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 287.752+/-70.273 χ^2/NDF:22.6/23

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

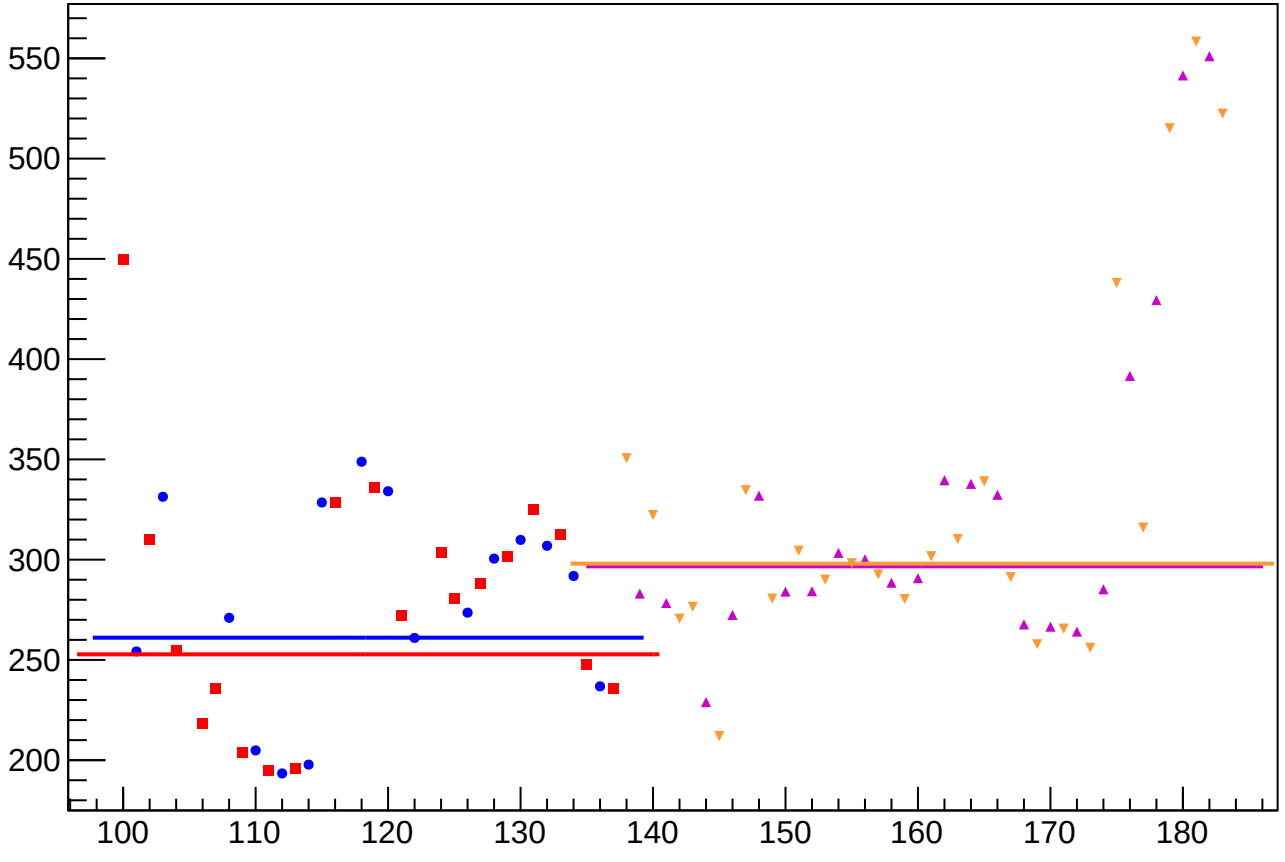
Left In: -358.424+/-71.950 χ^2/NDF:27.2/21

+ sign 211.592+/-57.348 χ^2/NDF: 38.1/39

All: -51.480+/-40.559 χ^2/NDF: 123.4/80

- sign -314.751+/-57.370 χ^2/NDF: 43.2/40

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 298.017+/-0.050 χ^2/NDF:1561842.6/23

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

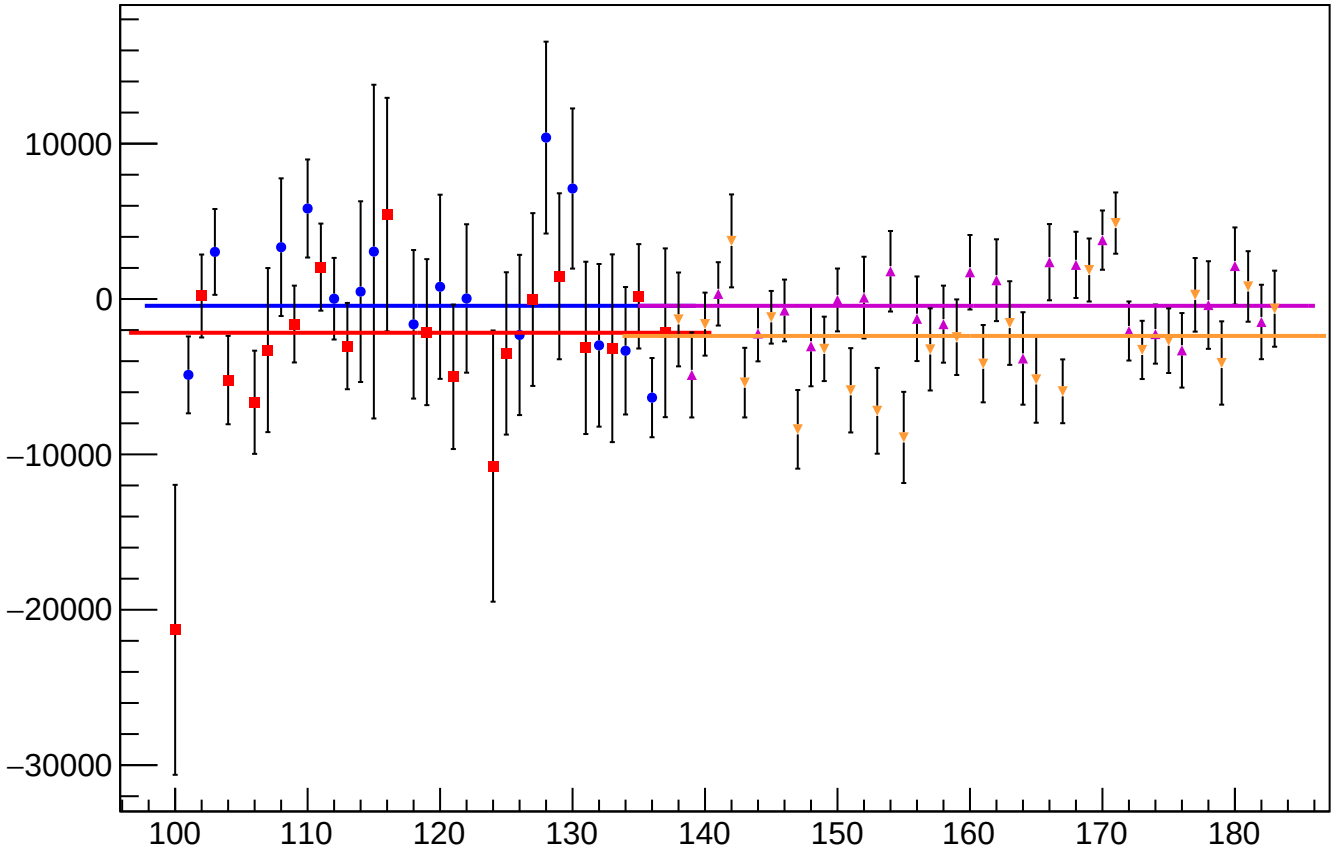
Left In: 296.670+/-0.051 χ^2/NDF:1231916.9/21

+ sign 285.682+/-0.041 χ^2/NDF: 2208976.9/39

All: 283.186+/-0.029 χ^2/NDF: 4256737.9/80

- sign 280.687+/-0.041 χ^2/NDF: 2040176.5/40

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2375.603+/-473.720 χ^2/NDF:49.3/23

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

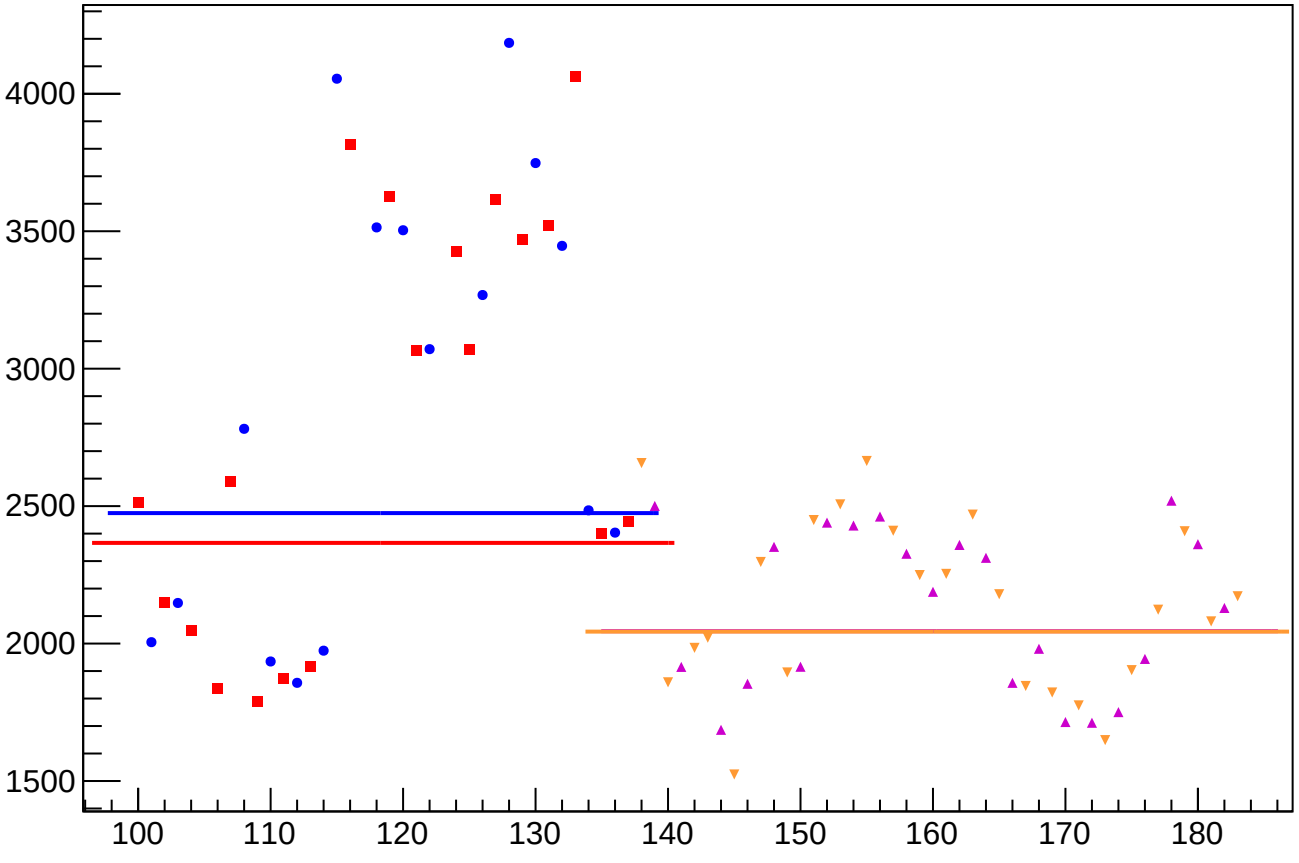
Left In: -437.881+/-487.636 χ^2/NDF:20.5/21

\+ sign -1992.822+/-424.390 χ^2/NDF: 73.8/39

All: -1417.861+/-301.659 χ^2/NDF: 114.9/80

\- sign -830.705+/-428.866 χ^2/NDF: 37.4/40

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2043.476+/-0.335 χ^2/NDF:853346.6/23

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

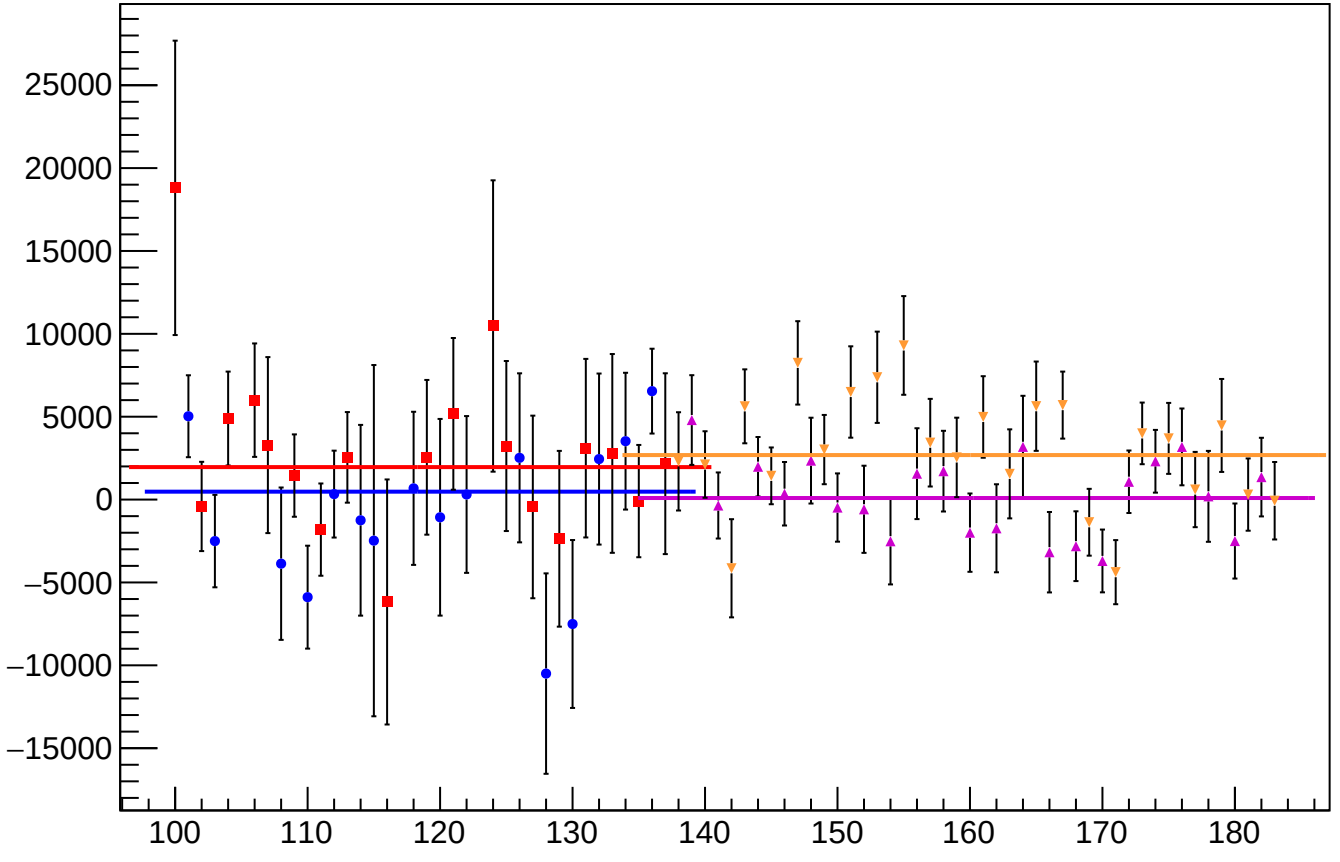
Left In: 2045.008+/-0.345 χ^2/NDF:690203.8/21

+ sign 2128.594+/-0.300 χ^2/NDF: 2096665.6/39

All: 2123.237+/-0.213 χ^2/NDF: 4061261.5/80

- sign 2117.767+/-0.303 χ^2/NDF: 1963951.9/40

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2685.201+/-470.372 χ^2/NDF:48.8/23

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

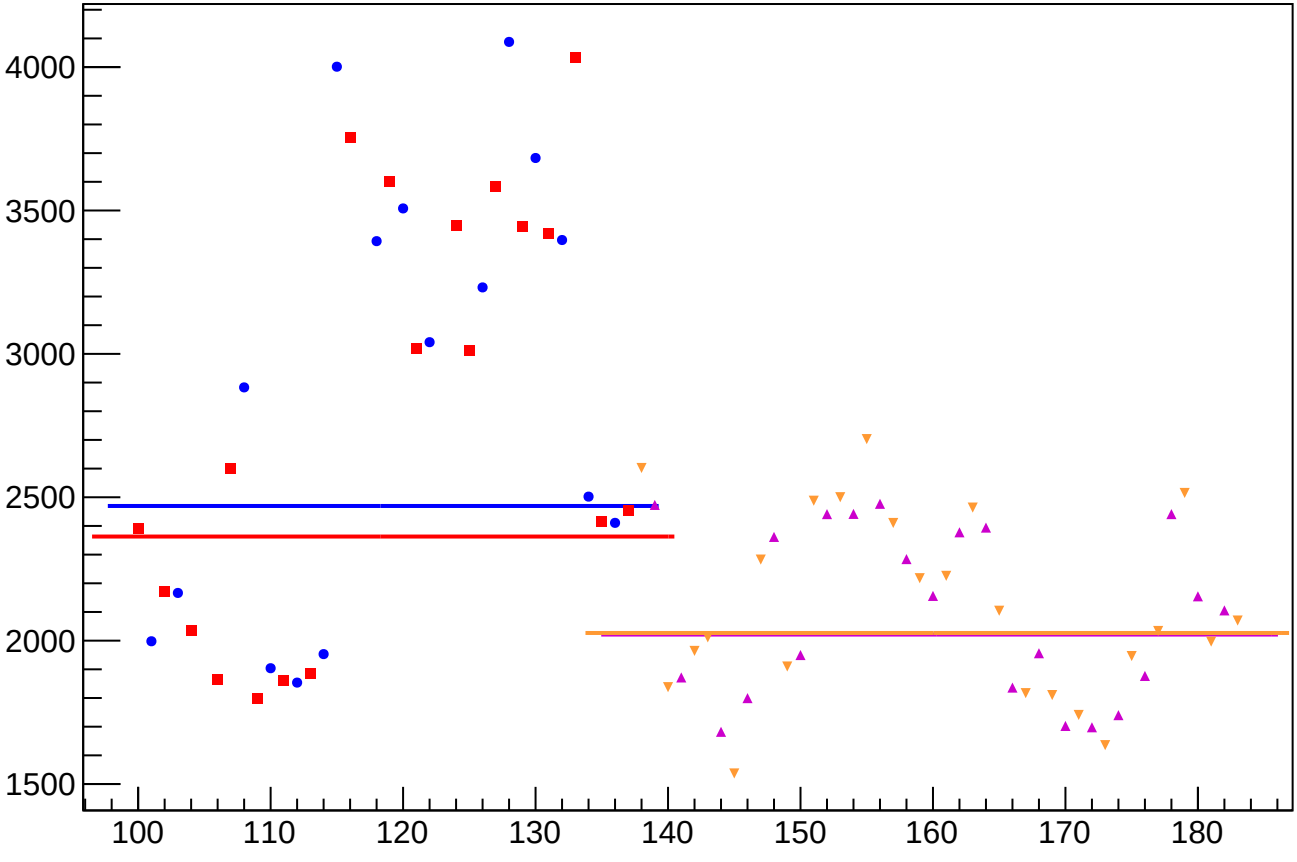
Left In: 93.904+/-482.027 χ^2/NDF:21.9/21

+ sign 2252.511+/-421.772 χ^2/NDF: 75.3/39

All: 1387.658+/-299.334 χ^2/NDF: 121.8/80

- sign 509.976+/-424.889 χ^2/NDF: 38.0/40

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2026.776+/-0.333 χ^2/NDF:866725.6/23

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

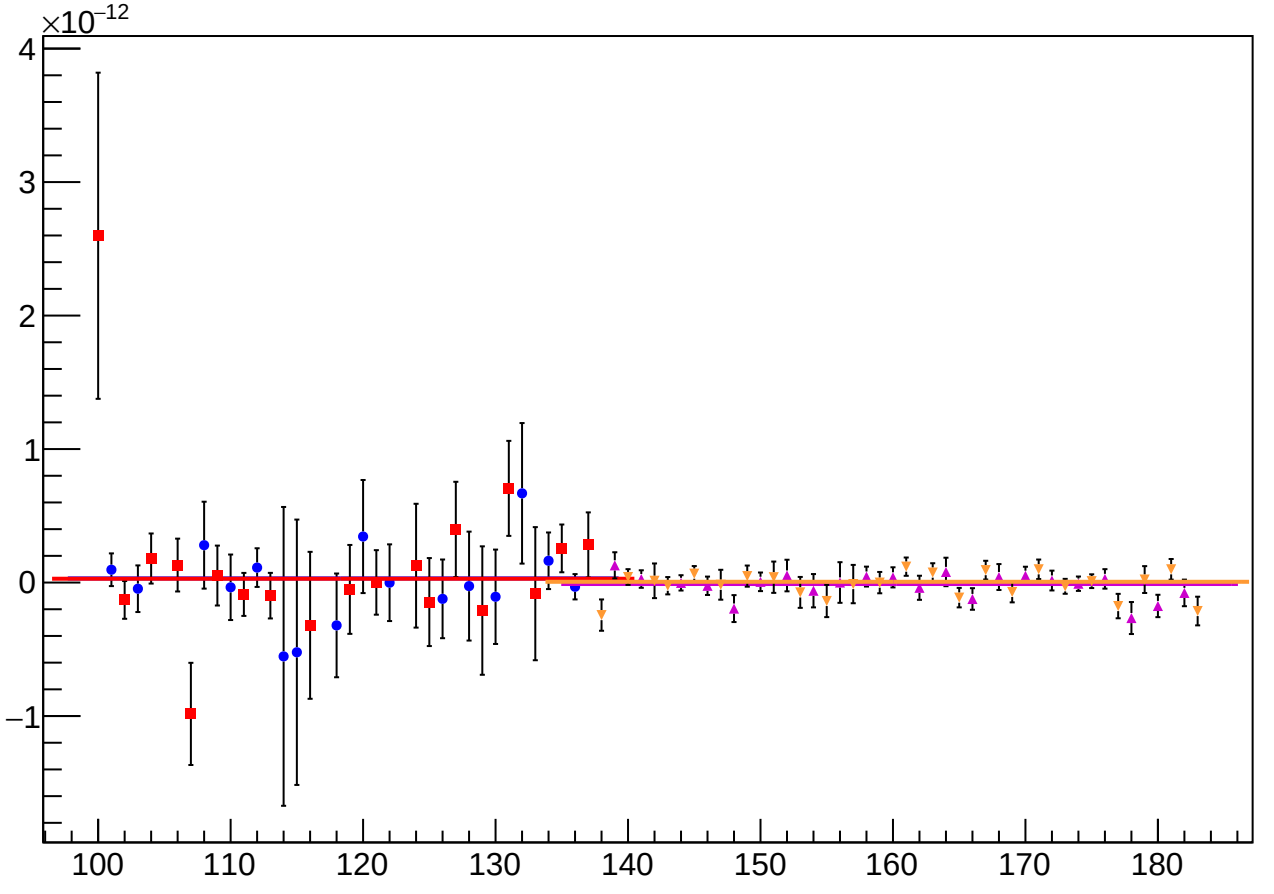
Left In: 2021.199+/-0.341 χ^2/NDF:693479.8/21

+ sign 2113.565+/-0.298 χ^2/NDF: 2100344.5/39

All: 2105.562+/-0.212 χ^2/NDF: 4062966.3/80

- sign 2097.441+/-0.300 χ^2/NDF: 1961171.1/40

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/23

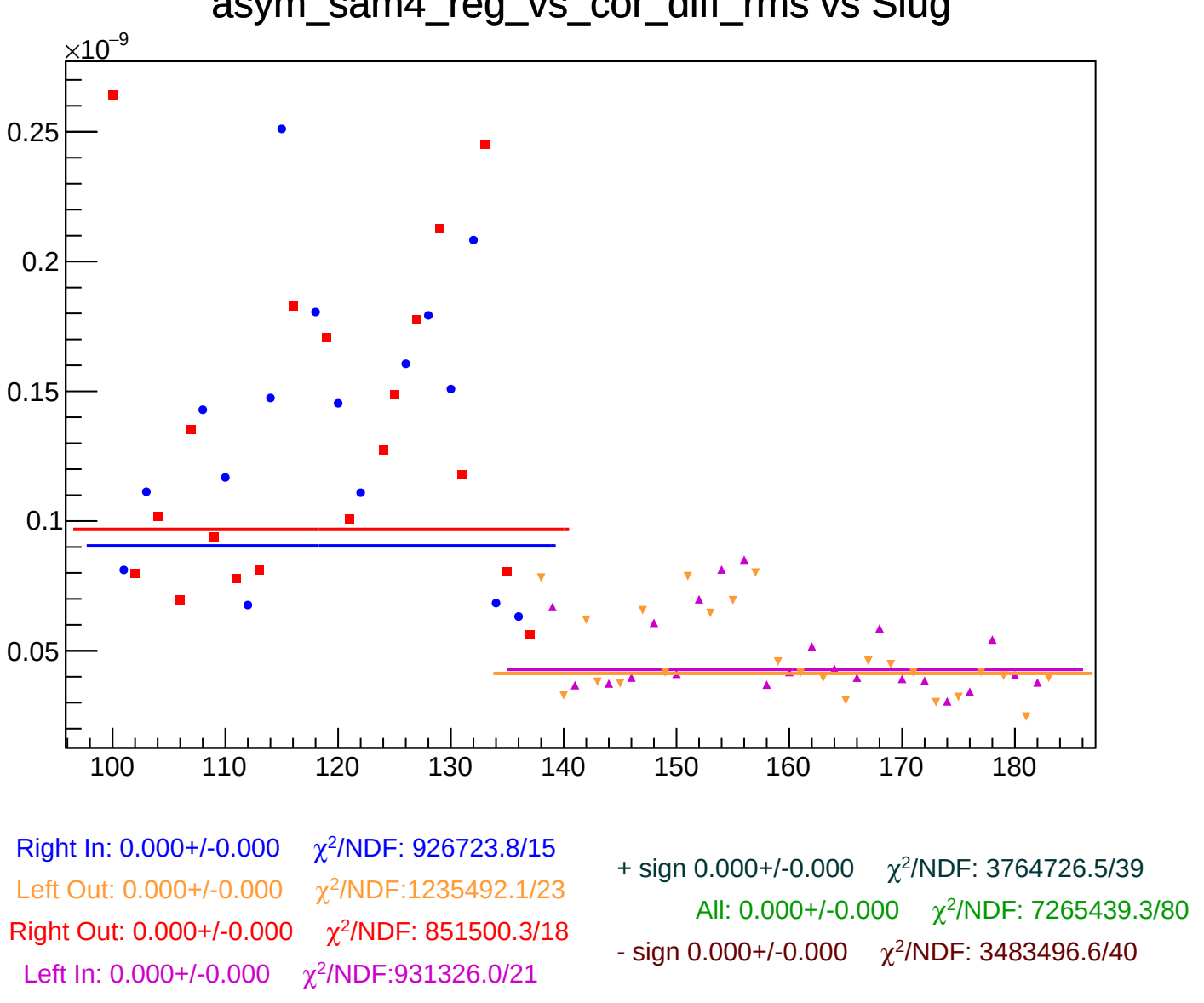
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.3/21

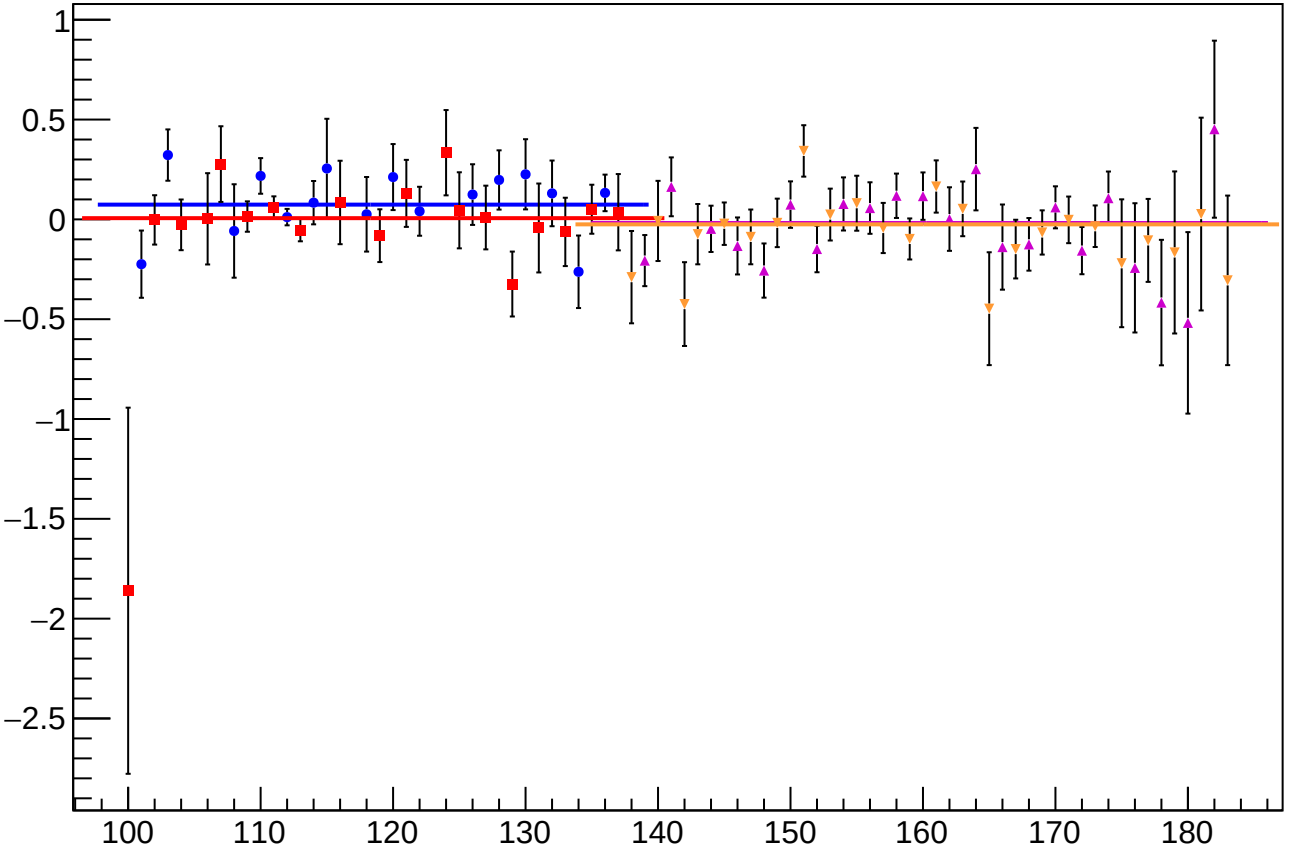
+ sign 0.000+/-0.000 χ^2/NDF: 35.4/39

All: 0.000+/-0.000 χ^2/NDF: 79.8/80

- sign -0.000+/-0.000 χ^2/NDF: 44.0/40


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 926723.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1235492.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:931326.0/21
+ sign 0.000+/-0.000 χ²/NDF: 3764726.5/39
All: 0.000+/-0.000 χ²/NDF: 7265439.3/80
- sign 0.000+/-0.000 χ²/NDF: 3483496.6/40

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.025+/-0.030 χ^2/NDF:21.3/23

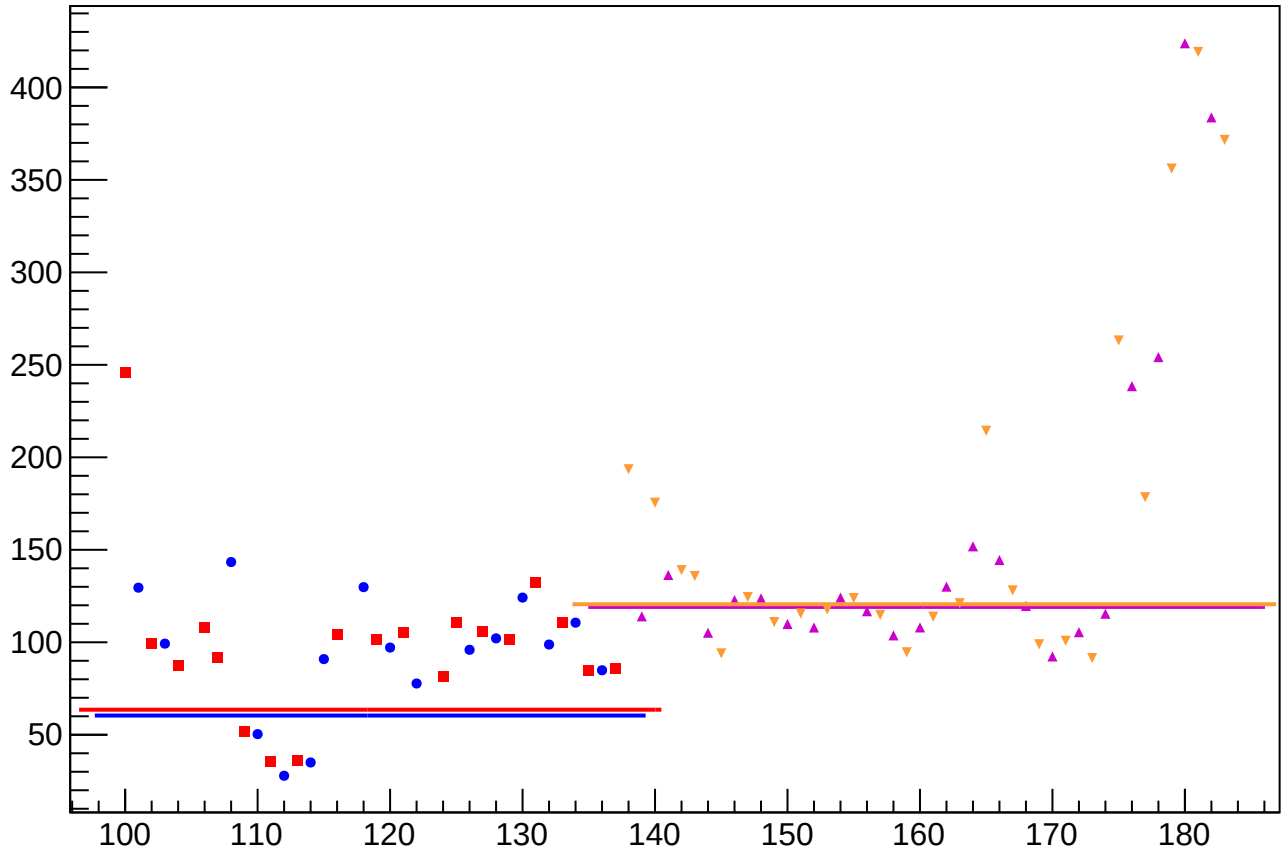
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.018+/-0.030 χ^2/NDF:22.9/21

+ sign 0.030+/-0.020 χ^2/NDF: 46.3/39

All: 0.013+/-0.014 χ^2/NDF: 87.4/80

- sign -0.005+/-0.020 χ^2/NDF: 39.7/40



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 120.568+/-0.021 χ^2/NDF:3870334.4/23

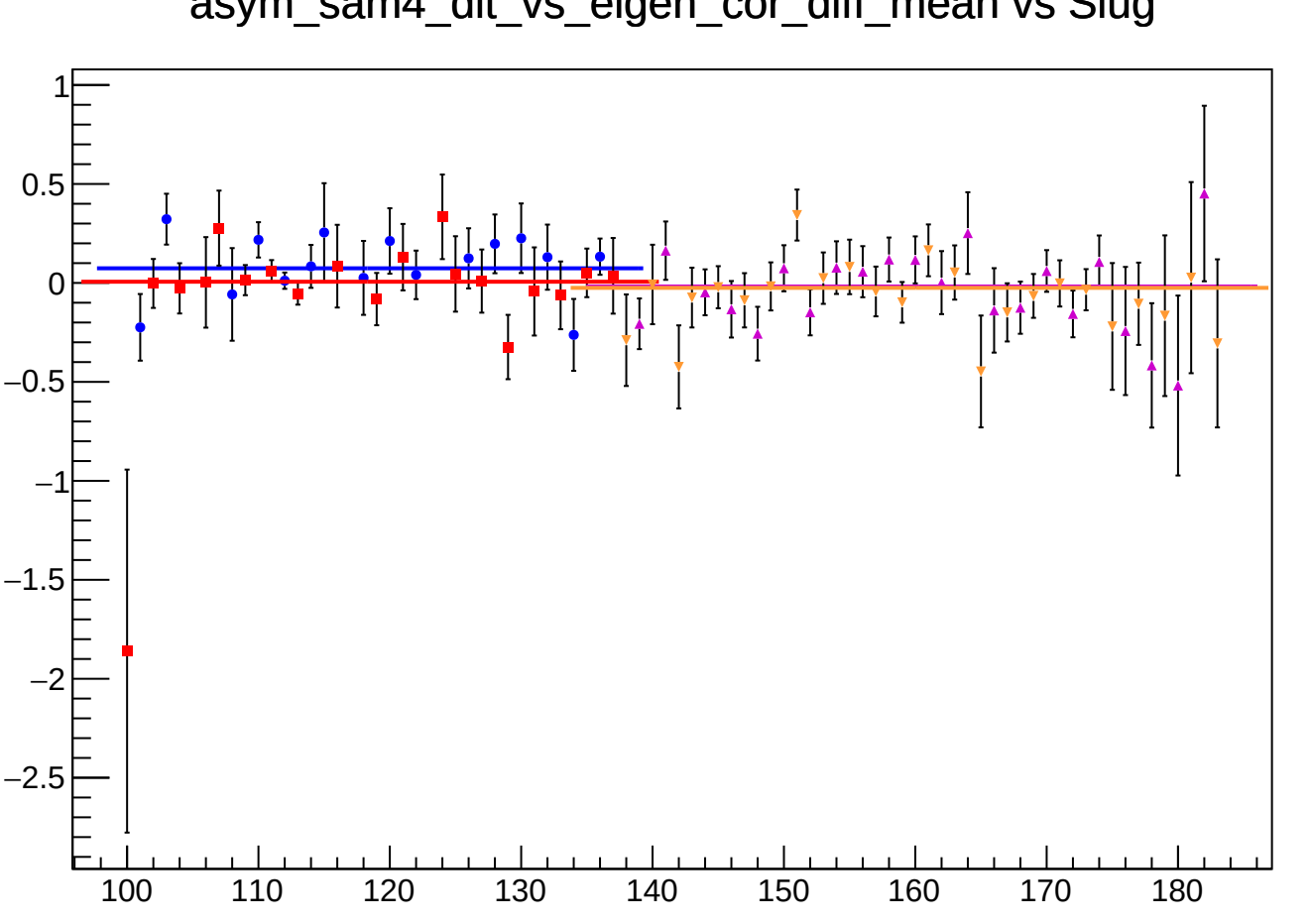
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 119.128+/-0.021 χ^2/NDF:2652011.7/21

+ sign 87.409+/-0.014 χ^2/NDF: 11862512.4/39

All: 87.702+/-0.010 χ^2/NDF: 20944093.6/80

- sign 87.997+/-0.014 χ^2/NDF: 9080721.0/40



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.025+/-0.030 χ^2/NDF:21.3/23

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

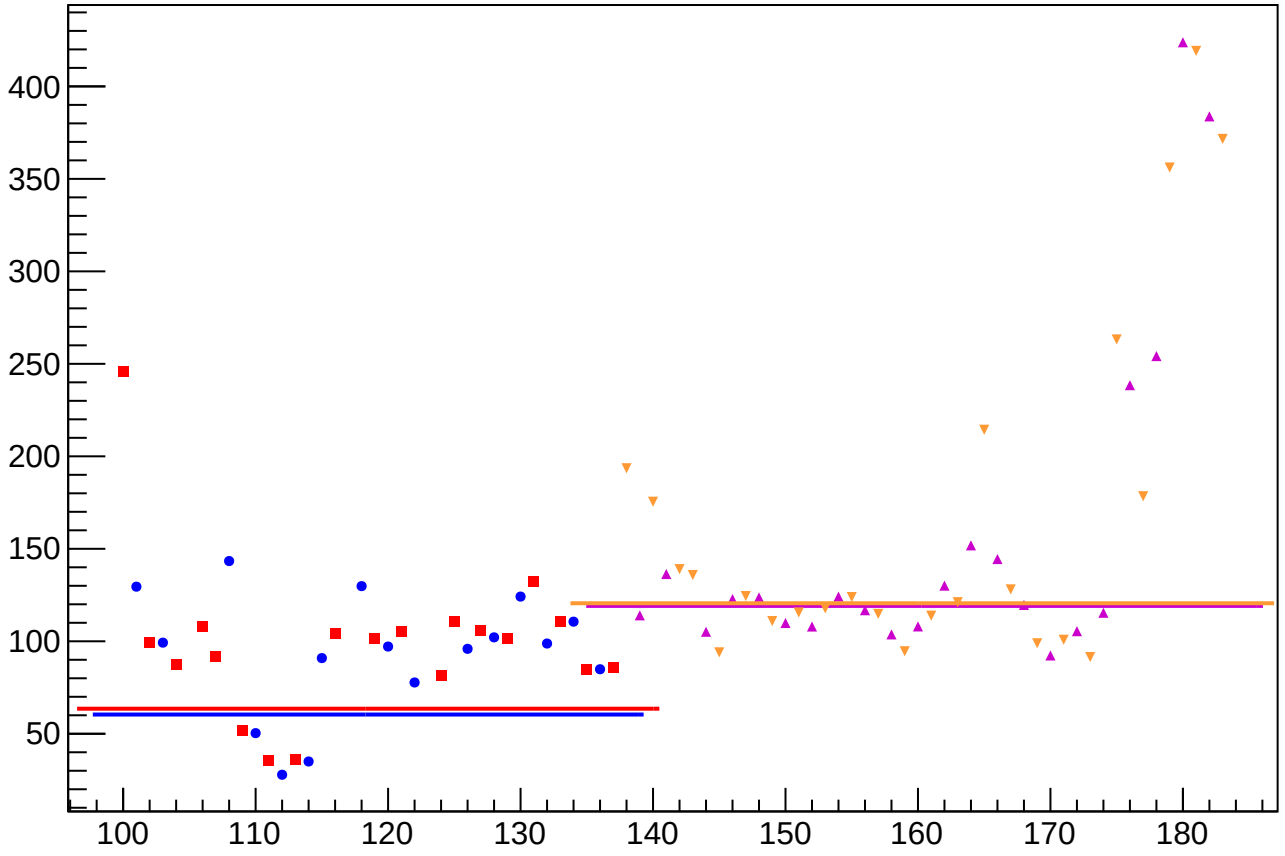
Left In: -0.018+/-0.030 χ^2/NDF:22.9/21

+ sign 0.030+/-0.020 χ^2/NDF: 46.3/39

All: 0.013+/-0.014 χ^2/NDF: 87.4/80

- sign -0.005+/-0.020 χ^2/NDF: 39.7/40

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 120.568+/-0.021 χ^2/NDF:3870334.4/23

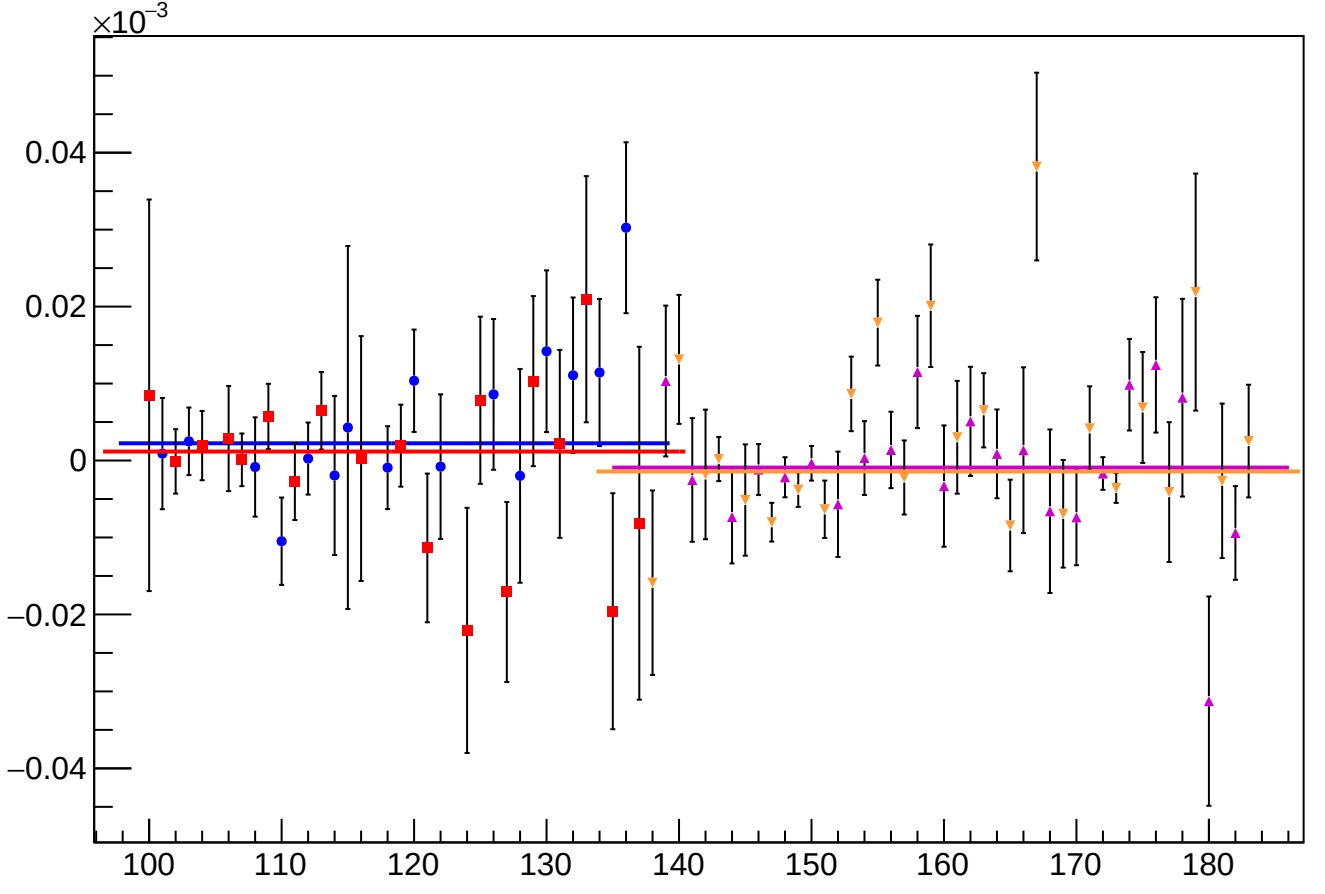
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 119.128+/-0.021 χ^2/NDF:2652011.7/21

\+ sign 87.409+/-0.014 χ^2/NDF: 11862512.4/39

All: 87.702+/-0.010 χ^2/NDF: 20944093.6/80

\- sign 87.997+/-0.014 χ^2/NDF: 9080721.0/40



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

Left Out: -0.000+/-0.000 χ^2/NDF:60.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

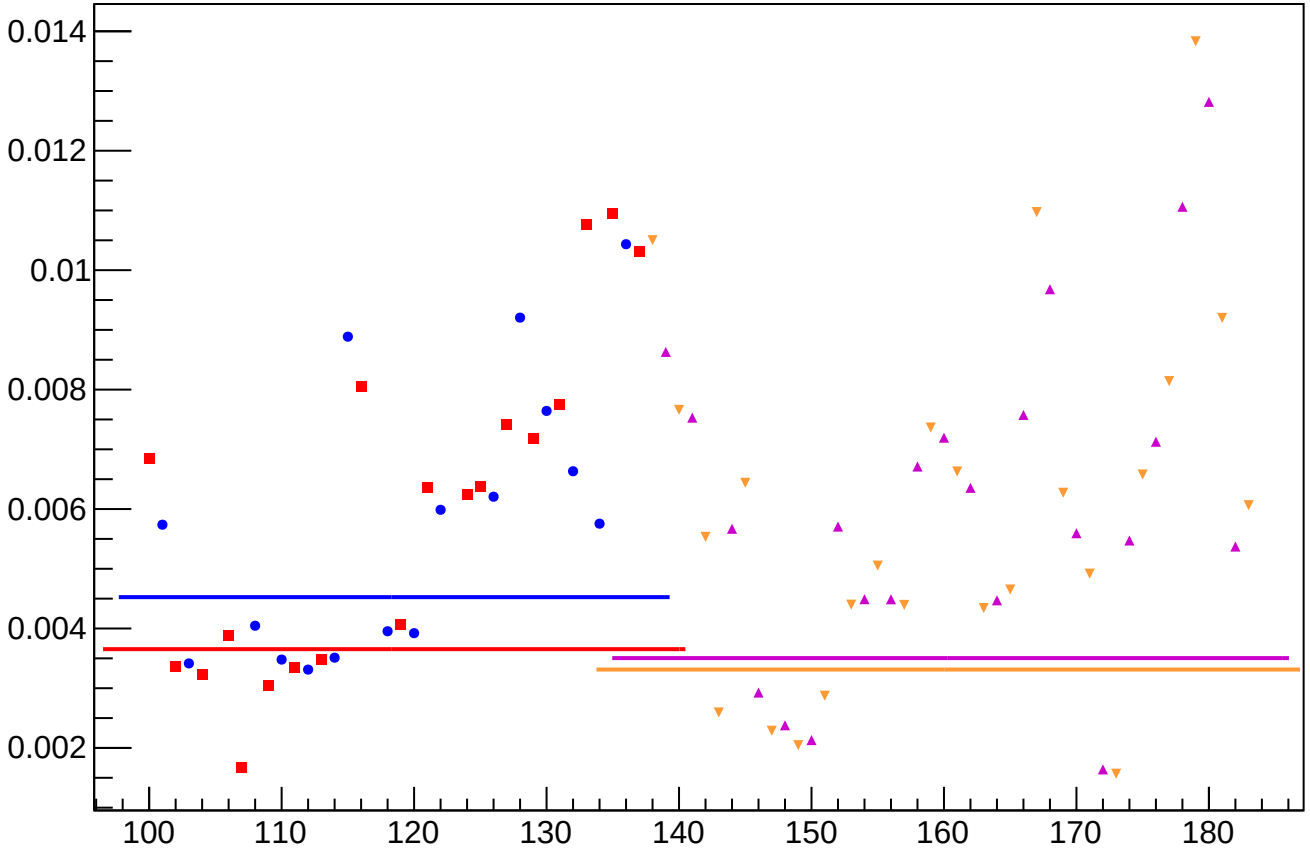
Left In: -0.000+/-0.000 χ^2/NDF:21.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 81.2/39

All: -0.000+/-0.000 χ^2/NDF: 118.6/80

- sign -0.000+/-0.000 χ^2/NDF: 37.4/40

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:10247750.9/23

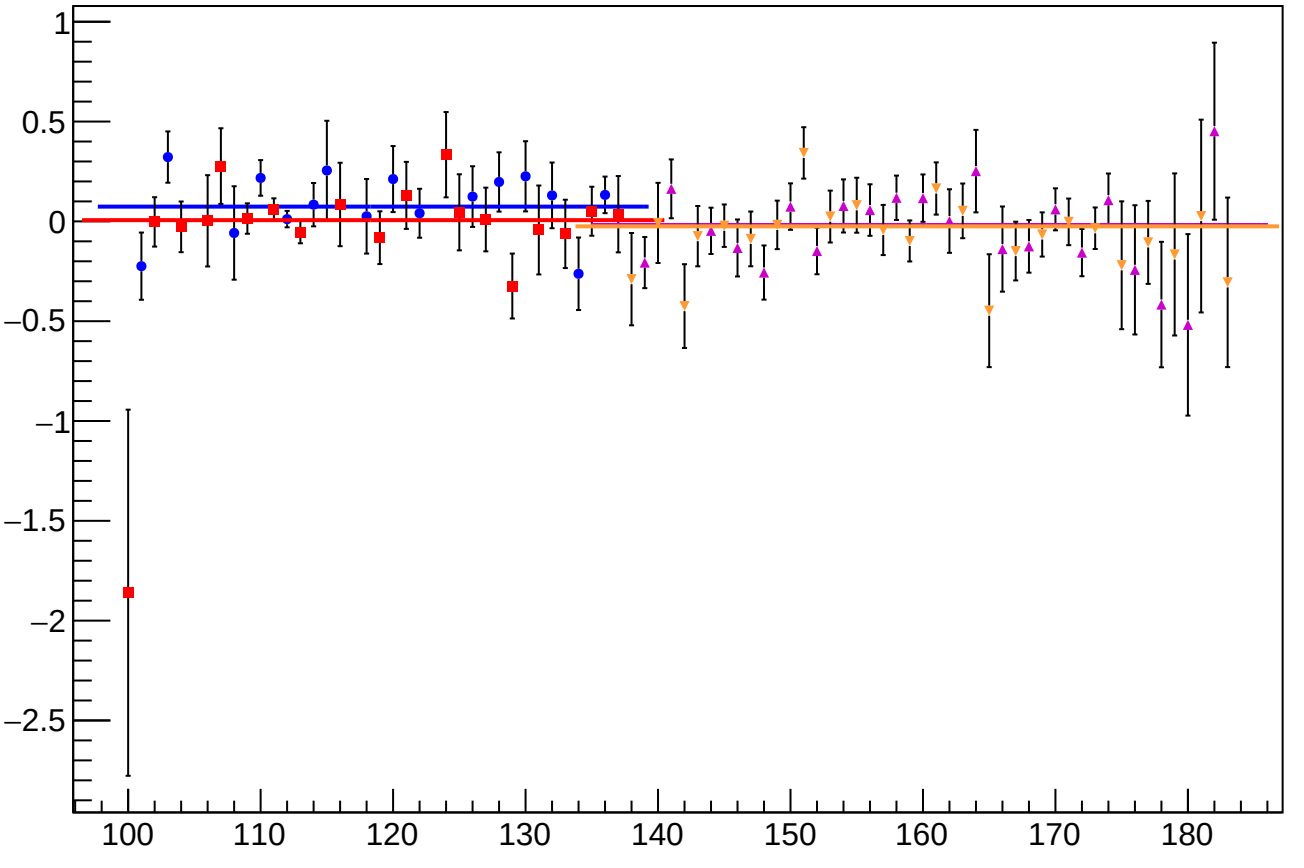
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:9169642.0/21

+ sign 0.004+/-0.000 χ^2/NDF: 12686002.3/39

All: 0.004+/-0.000 χ^2/NDF: 24802829.7/80

- sign 0.004+/-0.000 χ^2/NDF: 12116788.1/40



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.025+/-0.030 χ^2/NDF:21.3/23

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

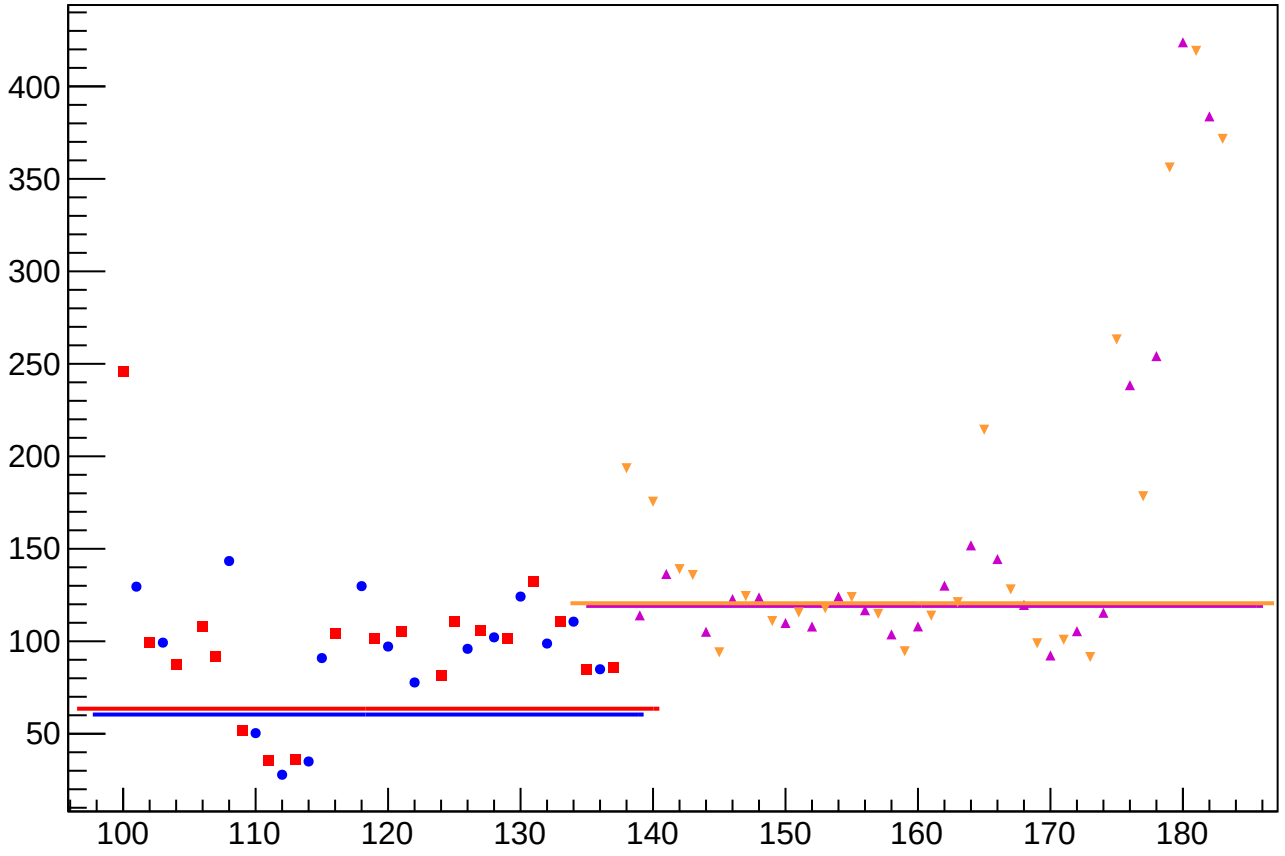
Left In: -0.018+/-0.030 χ^2/NDF:22.9/21

+ sign 0.030+/-0.020 χ^2/NDF: 46.3/39

All: 0.013+/-0.014 χ^2/NDF: 87.4/80

- sign -0.005+/-0.020 χ^2/NDF: 39.7/40

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 120.568+/-0.021 χ^2/NDF:3870282.9/23

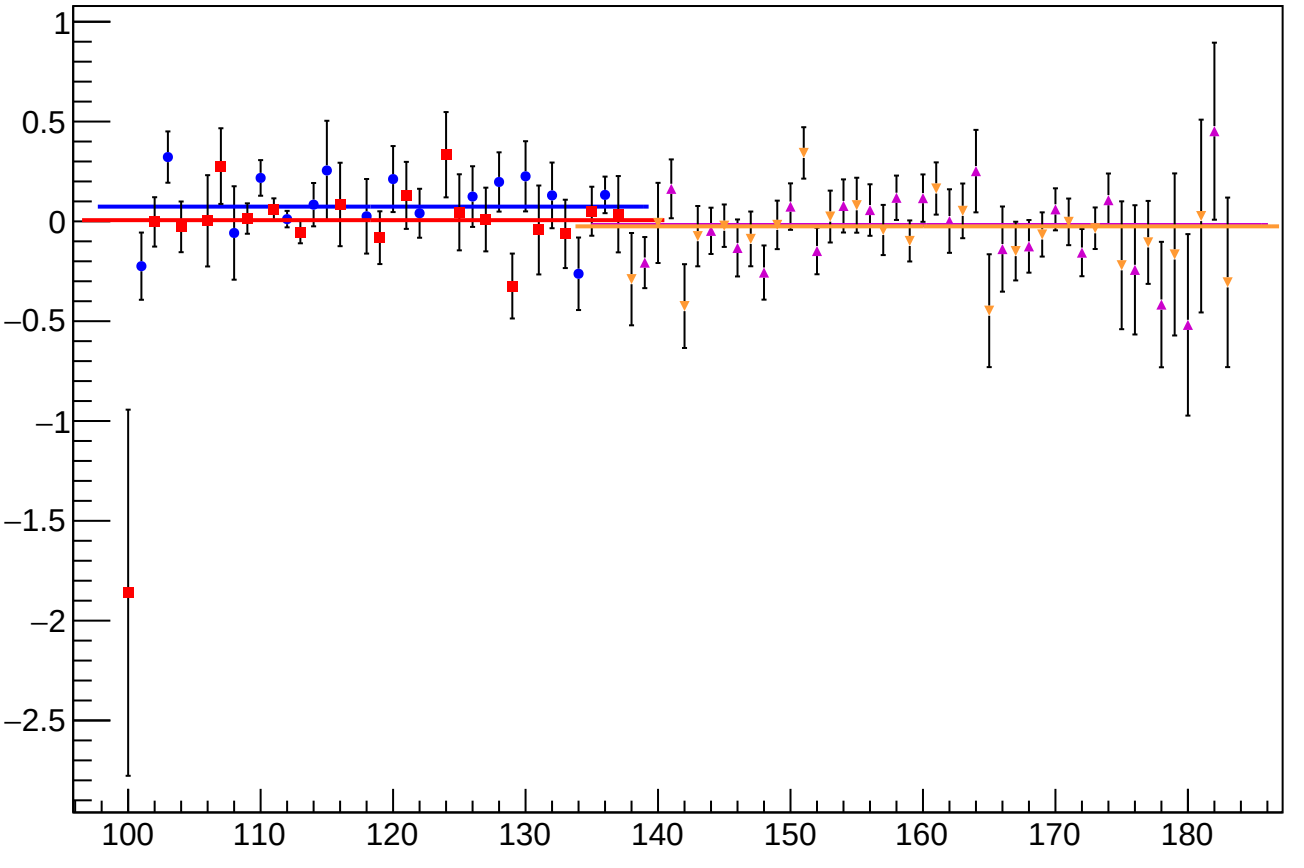
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 119.129+/-0.021 χ^2/NDF:2651947.8/21

+ sign 87.407+/-0.014 χ^2/NDF: 11863224.9/39

All: 87.701+/-0.010 χ^2/NDF: 20945412.8/80

- sign 87.996+/-0.014 χ^2/NDF: 9081326.8/40



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.025+/-0.030 χ^2/NDF:21.3/23

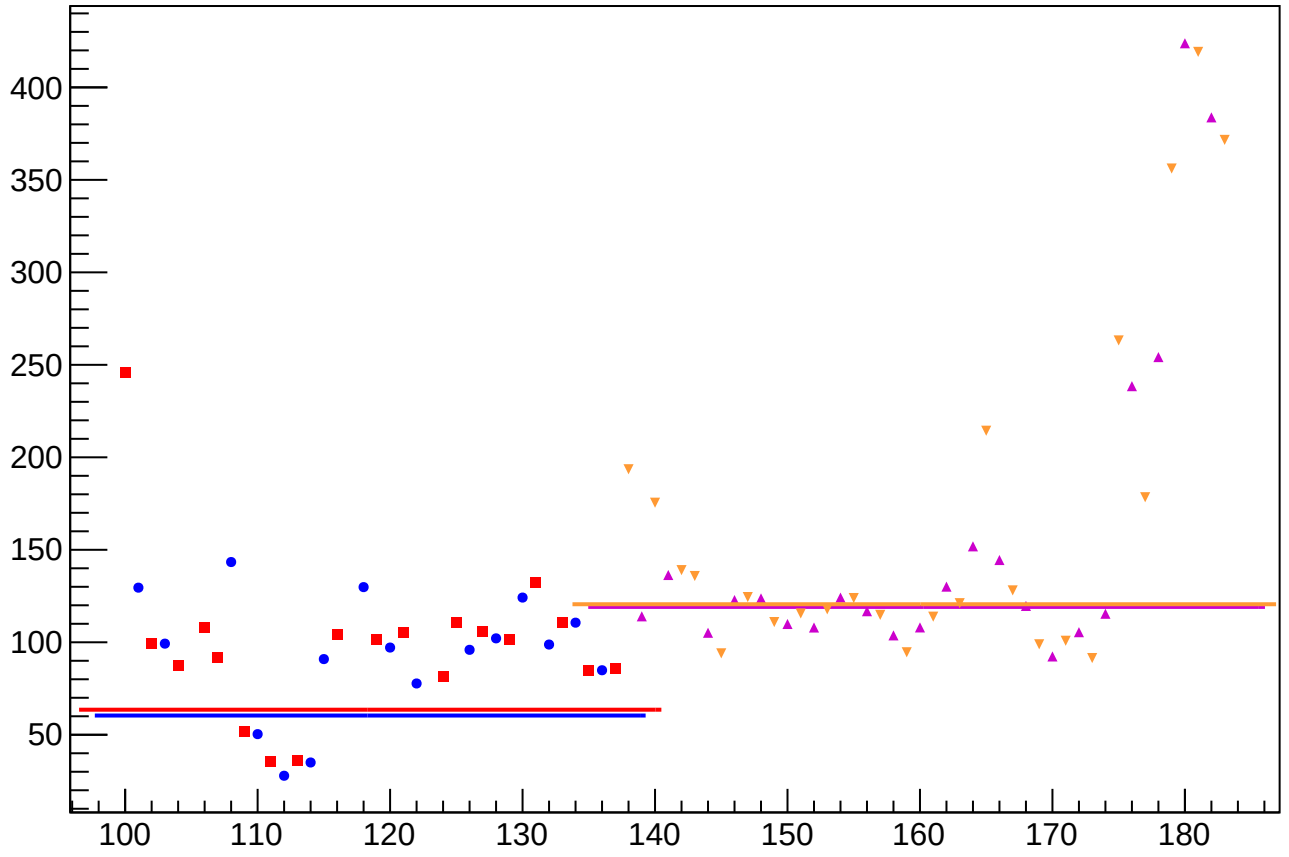
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.018+/-0.030 χ^2/NDF:22.9/21

+ sign 0.030+/-0.020 χ^2/NDF: 46.3/39

All: 0.013+/-0.014 χ^2/NDF: 87.4/80

- sign -0.005+/-0.020 χ^2/NDF: 39.7/40



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 120.568+/-0.021 χ^2/NDF:3870282.9/23

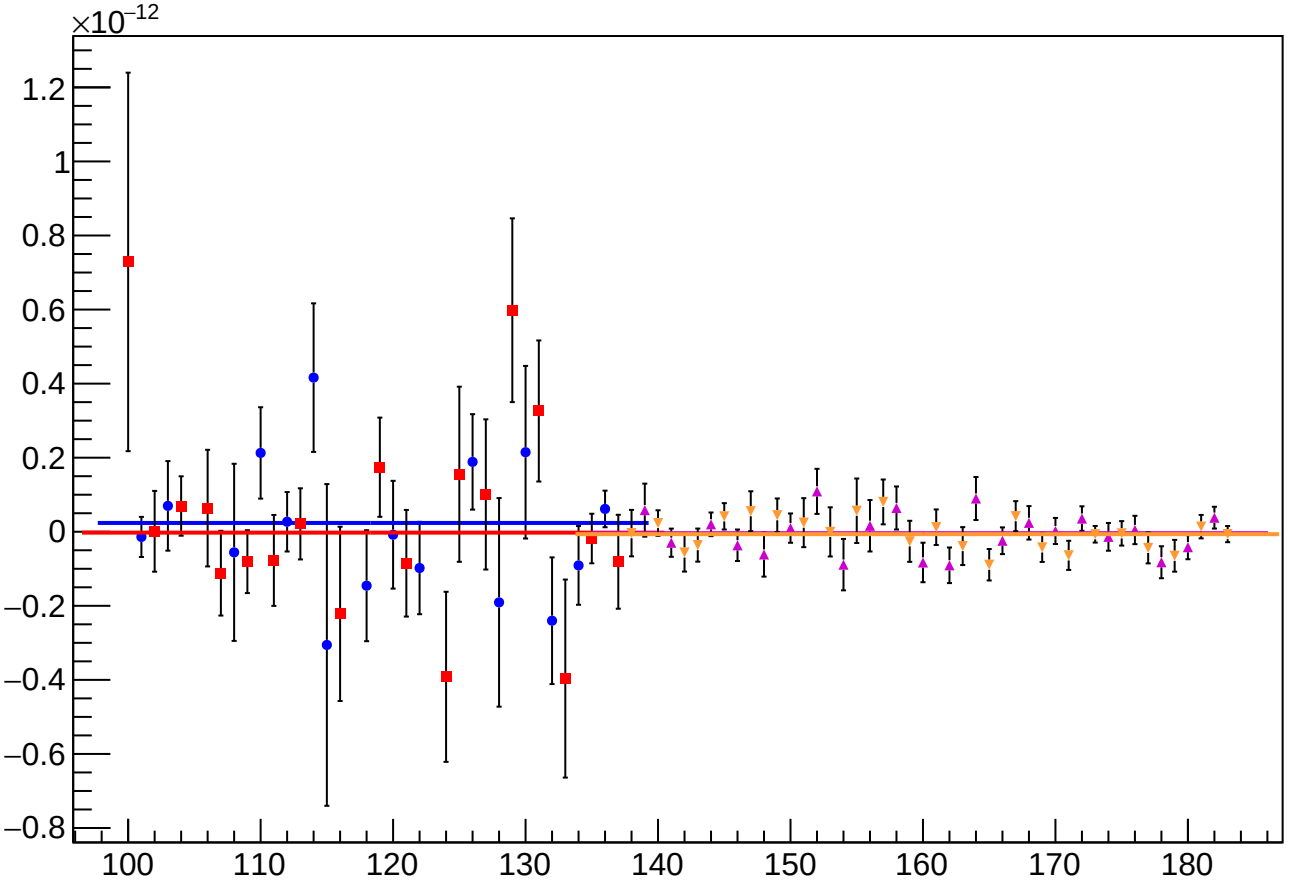
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 119.129+/-0.021 χ^2/NDF:2651947.8/21

+ sign 87.407+/-0.014 χ^2/NDF: 11863224.9/39

All: 87.701+/-0.010 χ^2/NDF: 20945412.8/80

- sign 87.996+/-0.014 χ^2/NDF: 9081326.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

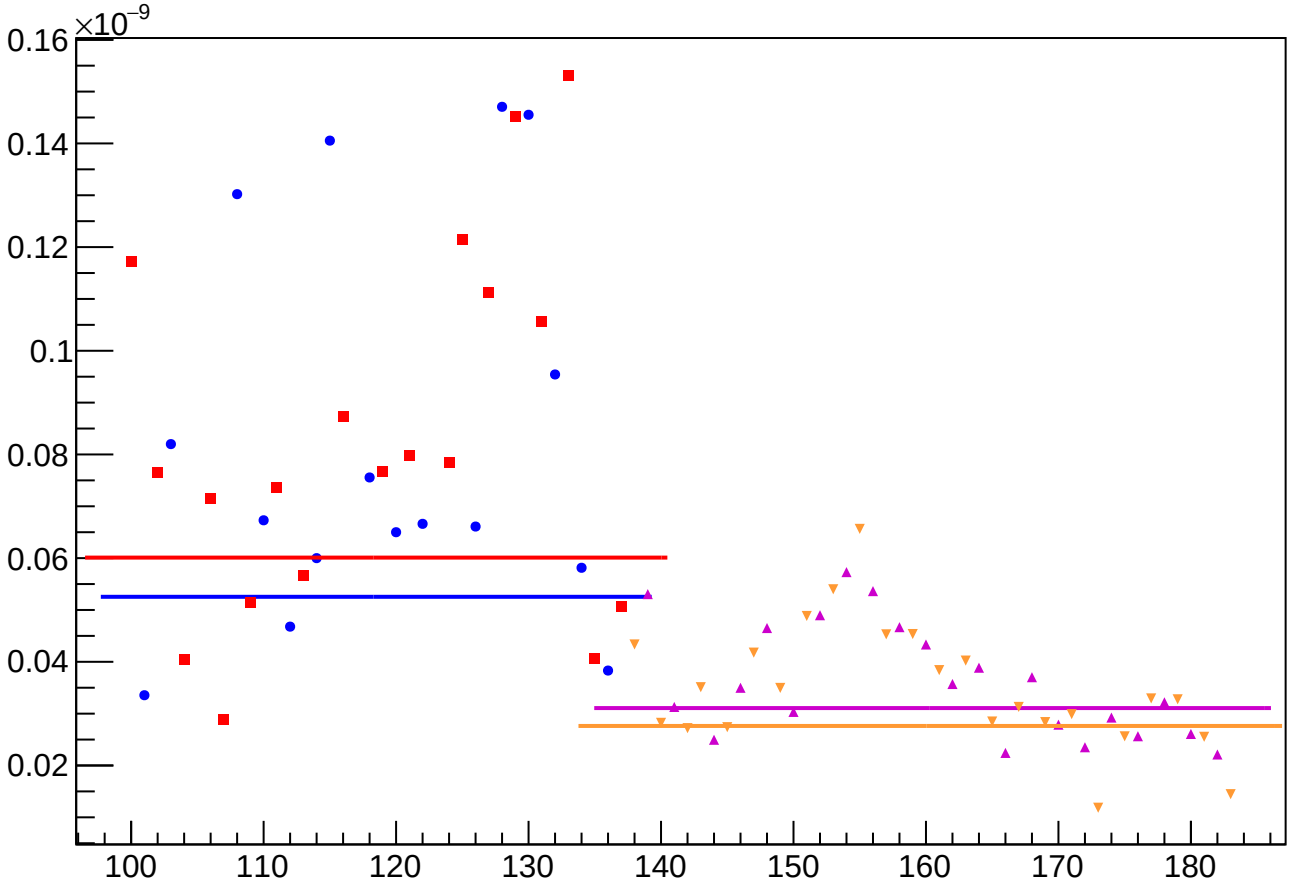
Left In: -0.000+/-0.000 χ^2/NDF:26.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/39

All: -0.000+/-0.000 χ^2/NDF: 89.3/80

- sign -0.000+/-0.000 χ^2/NDF: 50.0/40

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3688259.1/23

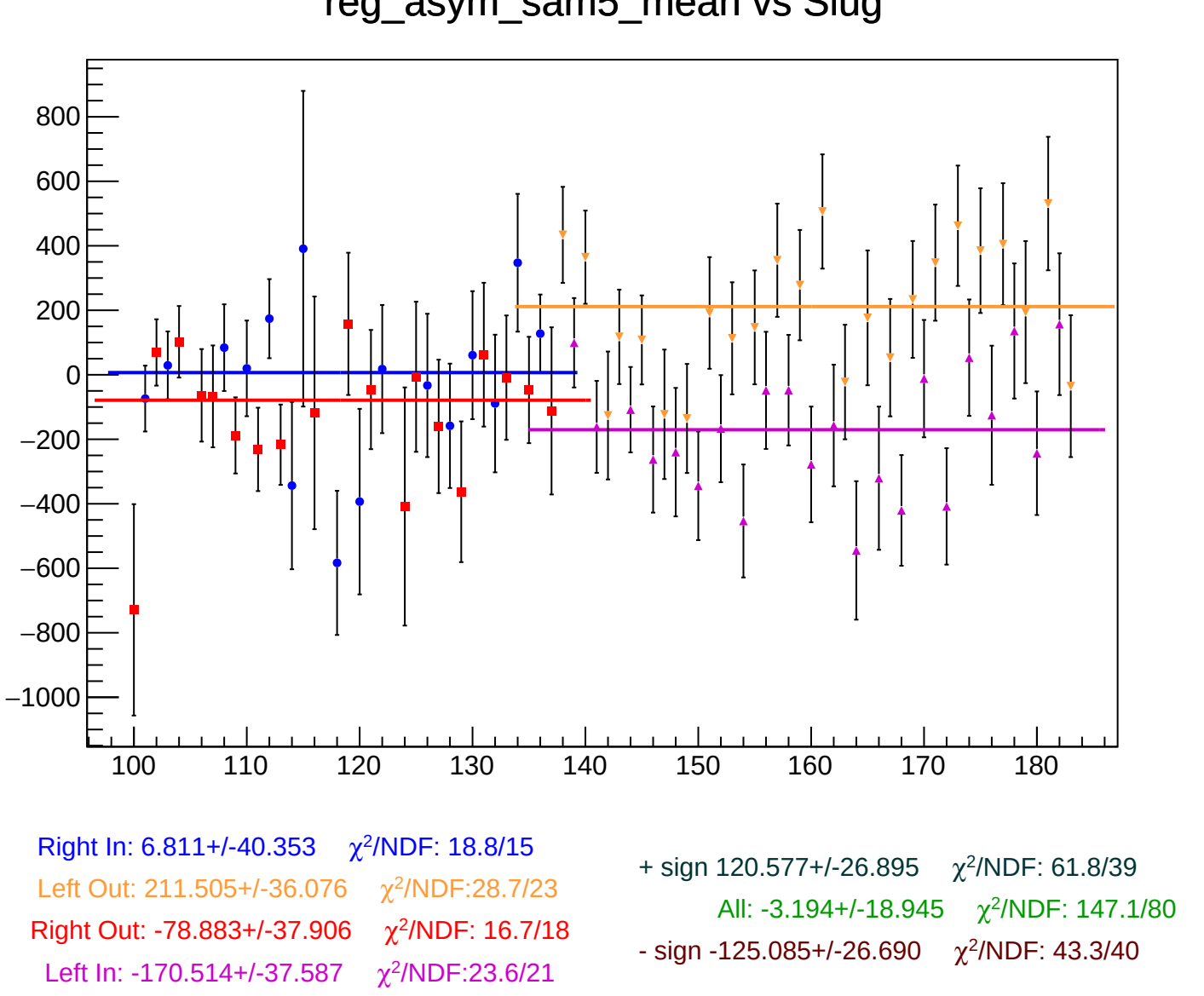
Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1935977.5/21

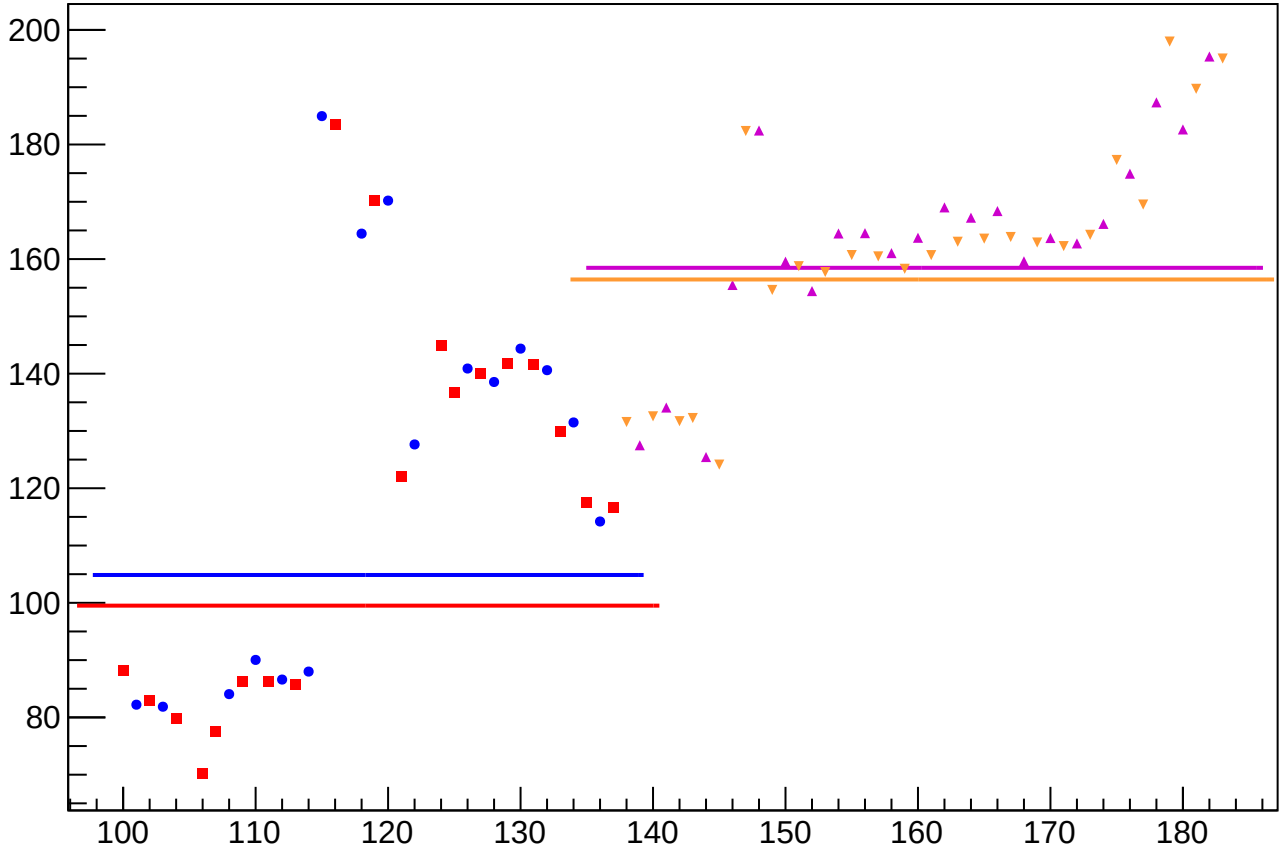
+ sign 0.000+/-0.000 χ^2/NDF: 6987940.9/39

All: 0.000+/-0.000 χ^2/NDF: 12525719.7/80

- sign 0.000+/-0.000 χ^2/NDF: 5318861.5/40


reg_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 6.811+/-40.353 χ²/NDF: 18.8/15
Left Out: 211.505+/-36.076 χ²/NDF:28.7/23
Right Out: -78.883+/-37.906 χ²/NDF: 16.7/18
Left In: -170.514+/-37.587 χ²/NDF:23.6/21
+ sign 120.577+/-26.895 χ²/NDF: 61.8/39
All: -3.194+/-18.945 χ²/NDF: 147.1/80
- sign -125.085+/-26.690 χ²/NDF: 43.3/40

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 156.439+/-0.026 χ^2/NDF:576899.0/23

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

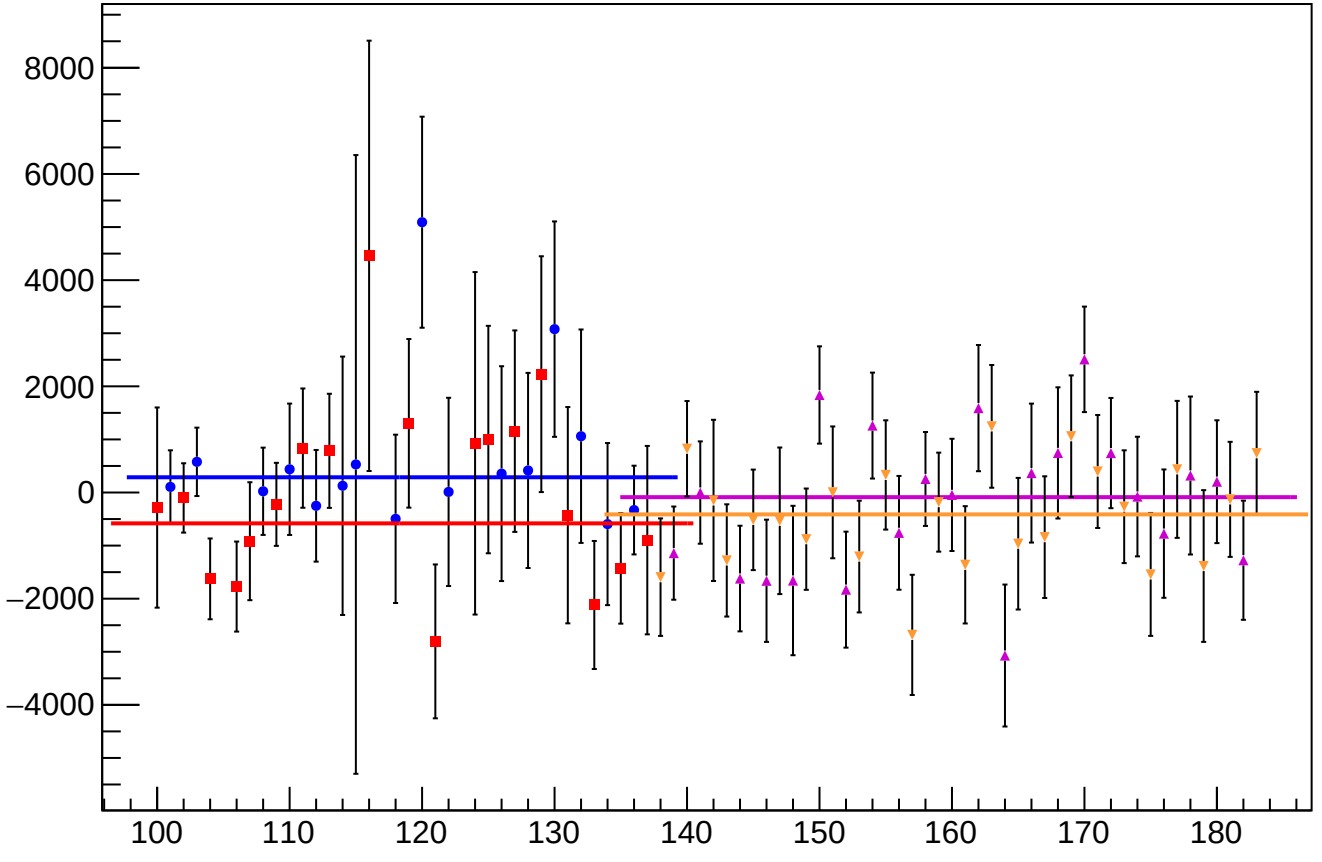
Left In: 158.476+/-0.027 χ^2/NDF:478117.1/21

+ sign 133.527+/-0.019 χ^2/NDF: 3324246.4/39

All: 131.368+/-0.013 χ^2/NDF: 7307493.9/80

- sign 129.241+/-0.019 χ^2/NDF: 3957657.3/40

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -412.333+/-226.481 χ^2/NDF:17.6/23

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

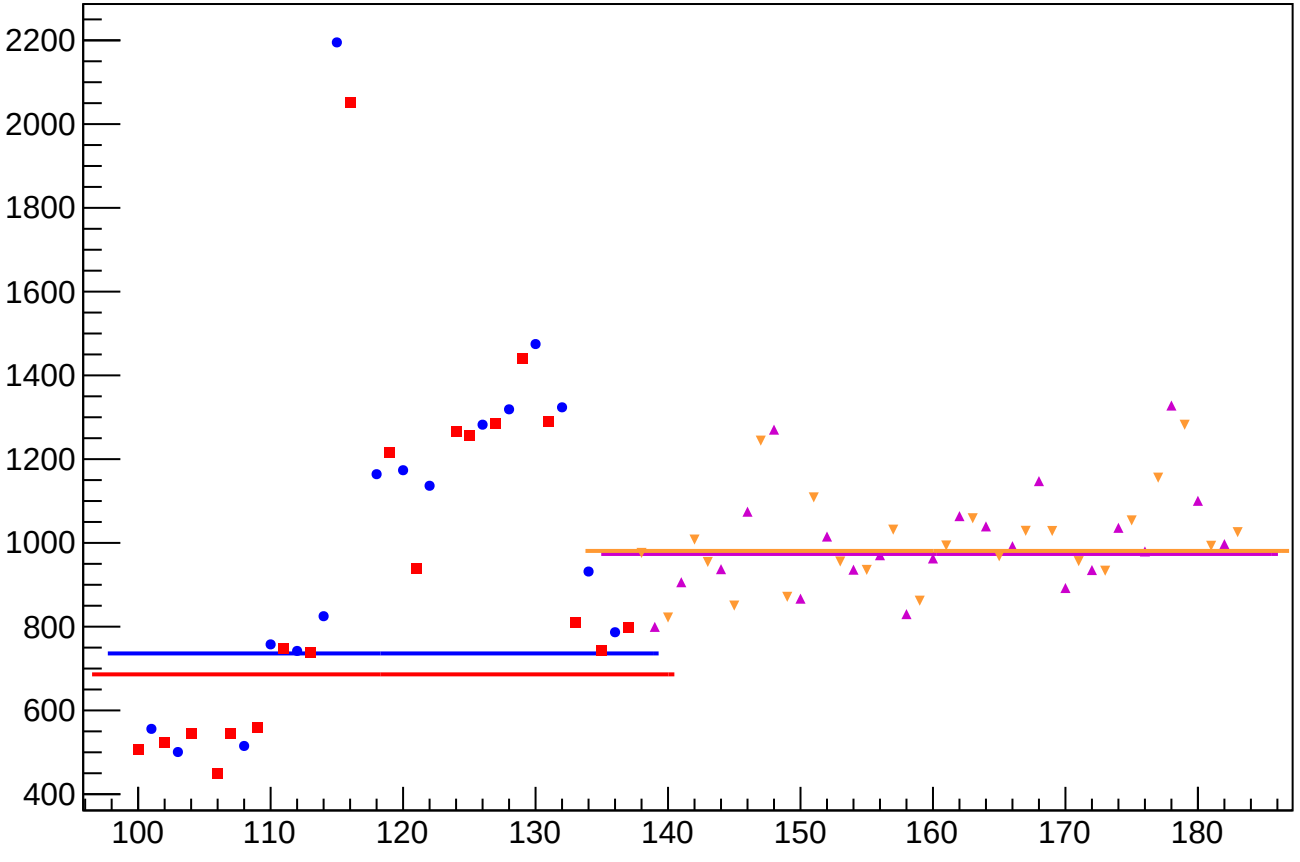
Left In: -87.580+/-231.660 χ^2/NDF:32.9/21

+ sign -151.331+/-179.298 χ^2/NDF: 30.8/39

All: -225.667+/-125.511 χ^2/NDF: 84.7/80

- sign -297.092+/-175.753 χ^2/NDF: 53.5/40

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 980.855+/-0.160 χ^2/NDF:422799.2/23

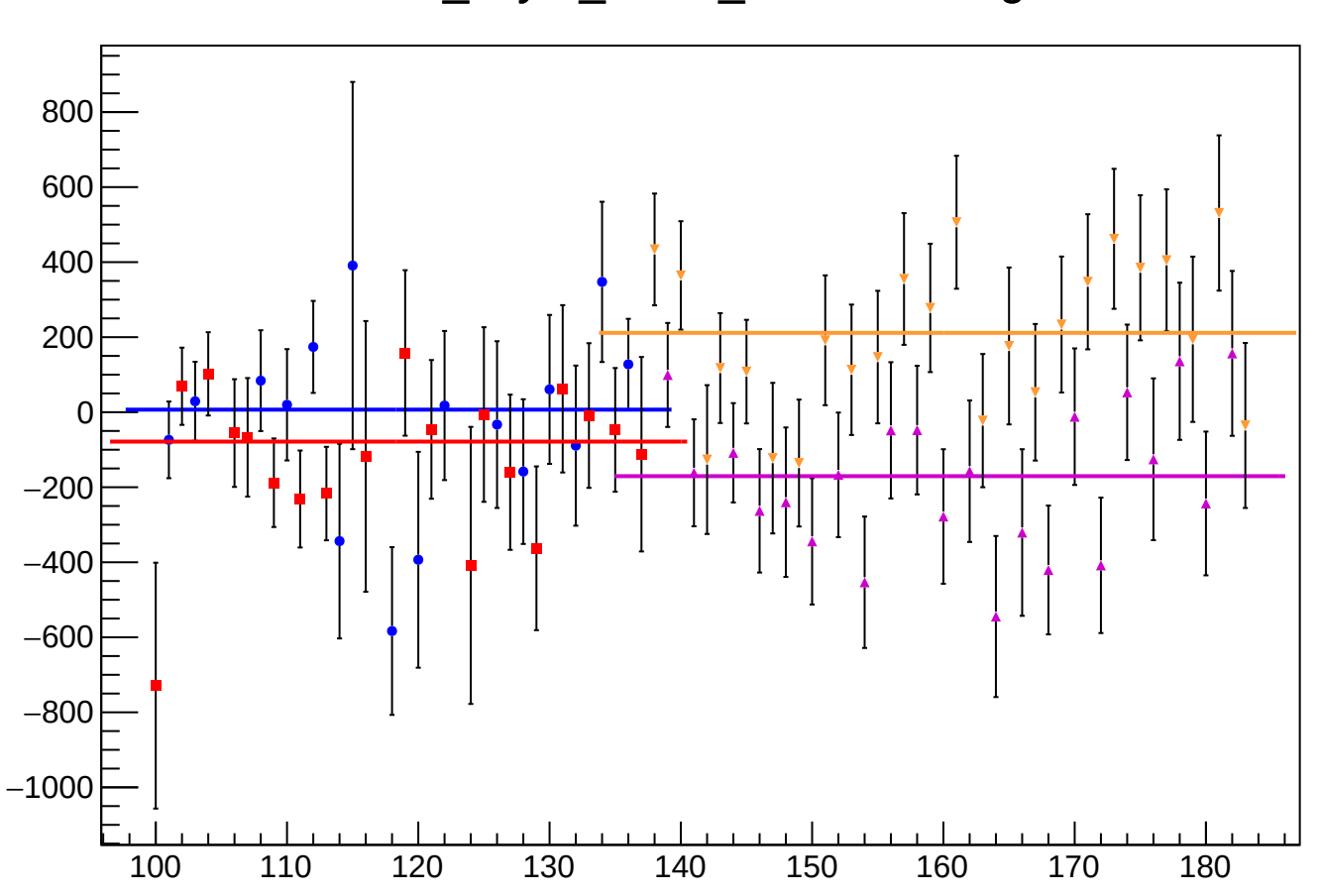
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 973.600+/-0.164 χ^2/NDF:498503.4/21

+ sign 889.492+/-0.127 χ^2/NDF: 3139261.7/39

All: 870.158+/-0.089 χ^2/NDF: 6809854.3/80

- sign 851.581+/-0.124 χ^2/NDF: 3624994.0/40



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 211.507+/-36.076 χ^2/NDF:28.7/23

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

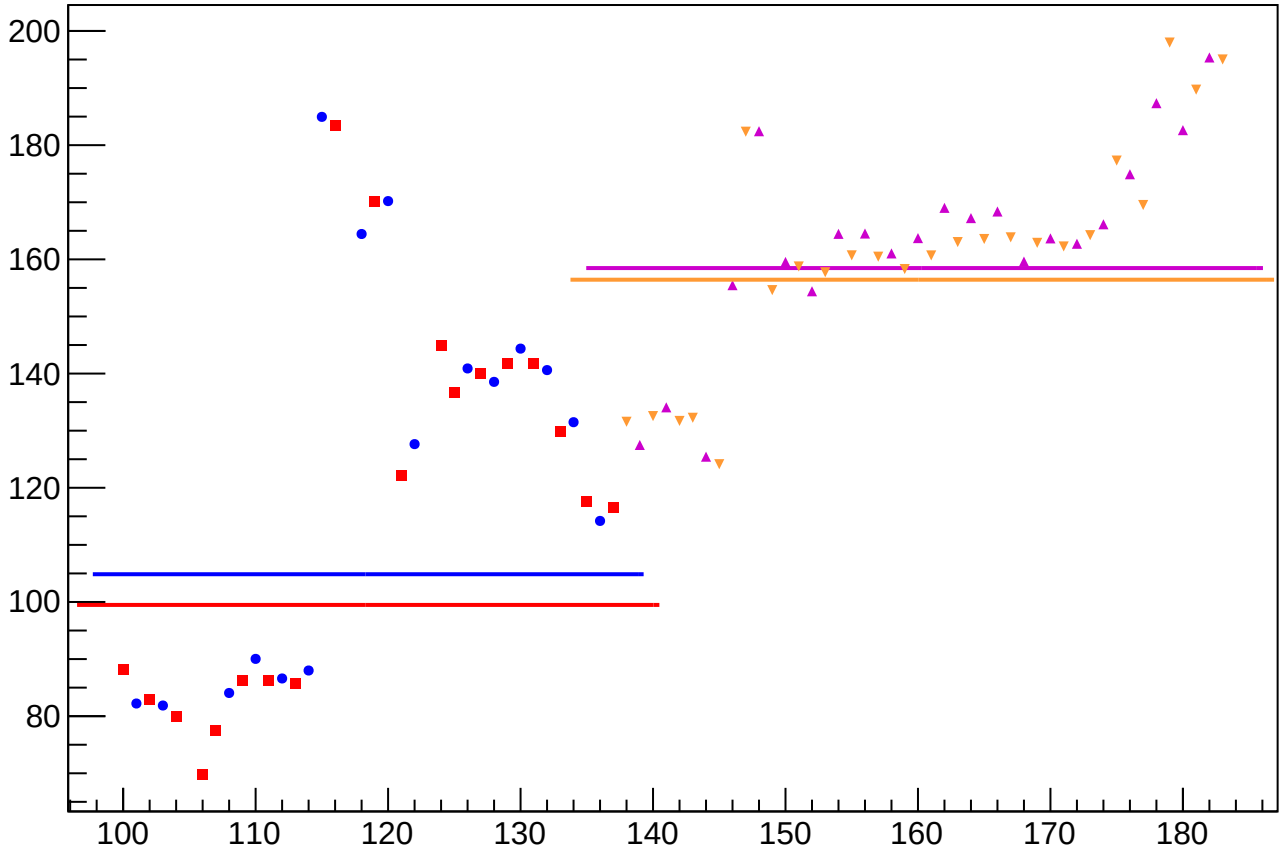
Left In: -170.518+/-37.587 χ^2/NDF:23.6/21

+ sign 120.573+/-26.895 χ^2/NDF: 61.8/39

All: -3.061+/-18.945 χ^2/NDF: 147.0/80

- sign -124.825+/-26.691 χ^2/NDF: 43.3/40

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 156.439+/-0.026 χ^2/NDF:576899.0/23

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

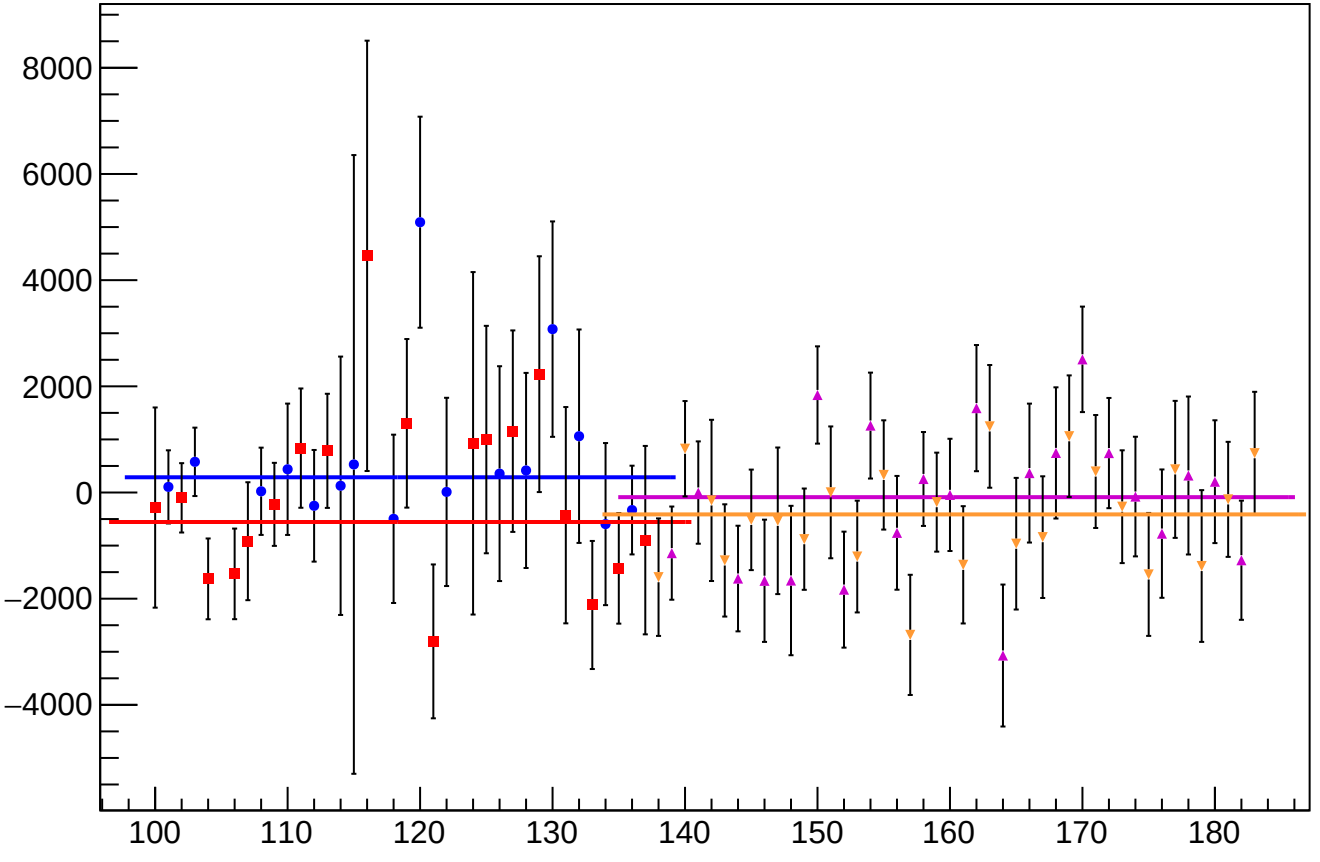
Left In: 158.476+/-0.027 χ^2/NDF:478117.2/21

+ sign 133.527+/-0.019 χ^2/NDF: 3324244.5/39

All: 131.363+/-0.013 χ^2/NDF: 7311598.3/80

- sign 129.231+/-0.019 χ^2/NDF: 3961647.7/40

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -412.324+/-226.481 χ^2/NDF:17.6/23

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

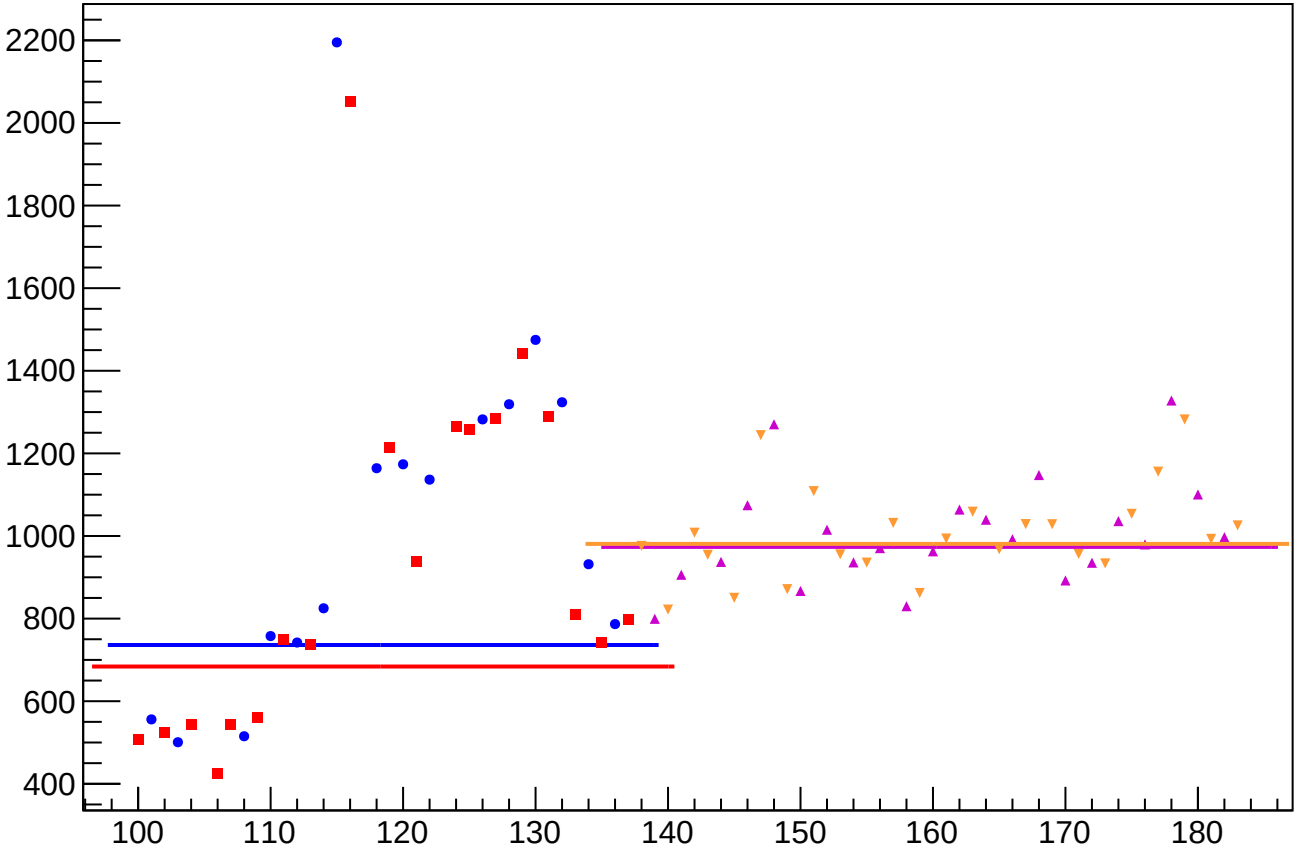
Left In: -87.577+/-231.660 χ^2/NDF:32.9/21

+ sign -151.324+/-179.298 χ^2/NDF: 30.8/39

All: -219.986+/-125.529 χ^2/NDF: 83.7/80

- sign -285.997+/-175.802 χ^2/NDF: 52.6/40

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 980.856+/-0.160 χ^2/NDF:422797.6/23

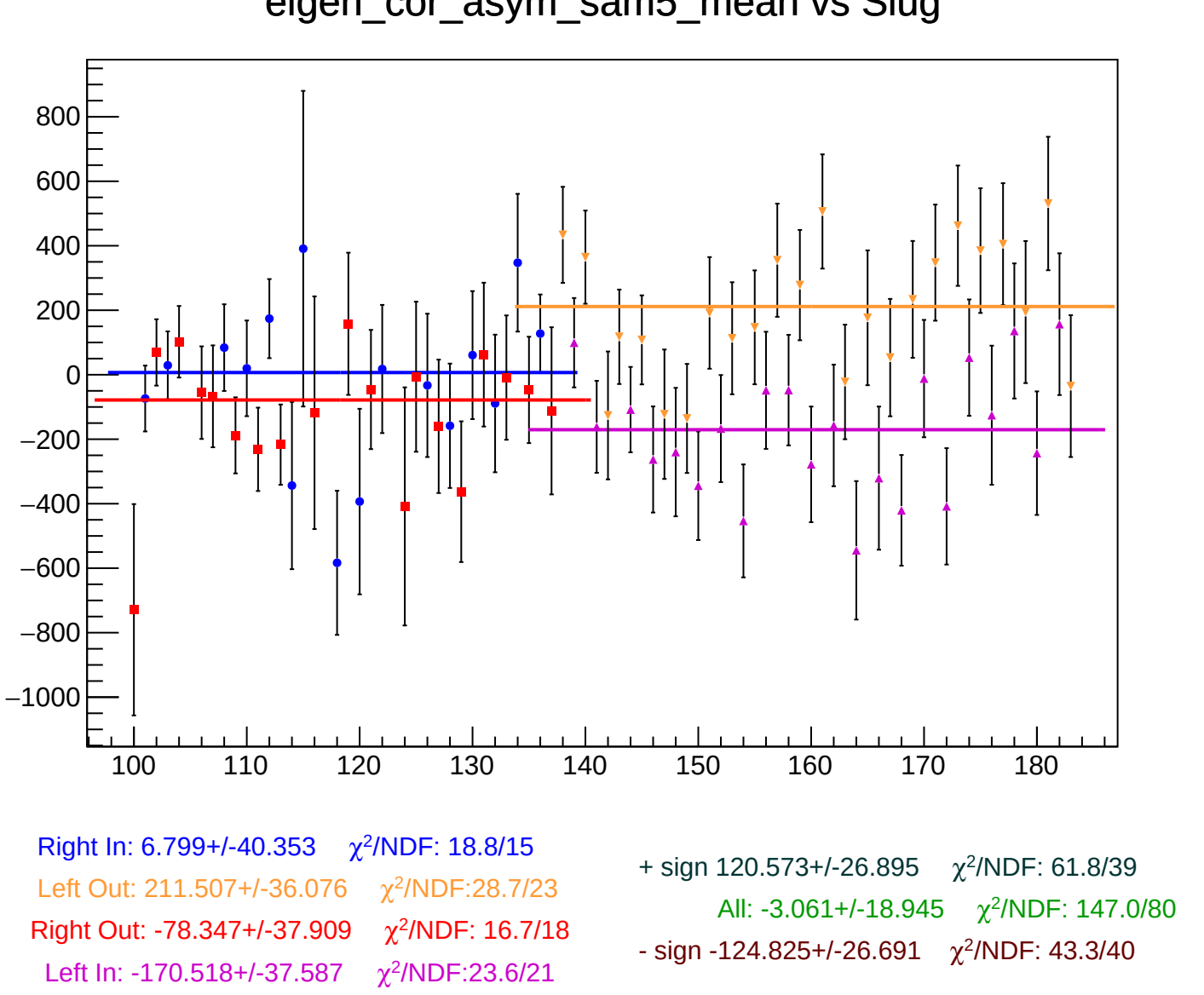
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 973.600+/-0.164 χ^2/NDF:498505.9/21

+ sign 889.492+/-0.127 χ^2/NDF: 3139268.7/39

All: 869.750+/-0.089 χ^2/NDF: 6861456.8/80

- sign 850.772+/-0.124 χ^2/NDF: 3674634.6/40


eigen_cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 211.507+/-36.076 χ²/NDF:28.7/23
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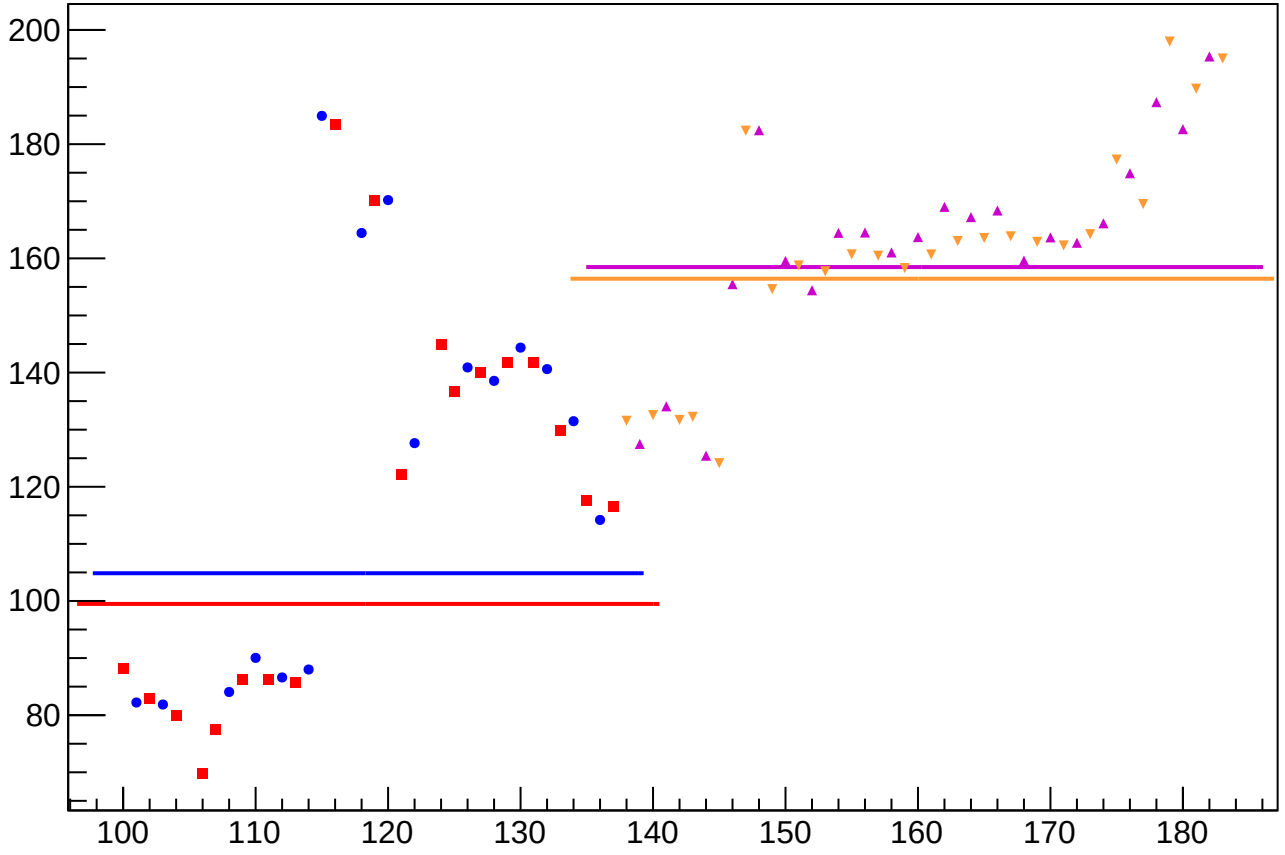
- sign -124.825+/-26.691 χ²/NDF: 43.3/40

eigen_cor_asym_sam5_rms vs Slug



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Left Out: 156.439+/-0.026 χ^2/NDF:576899.0/23

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

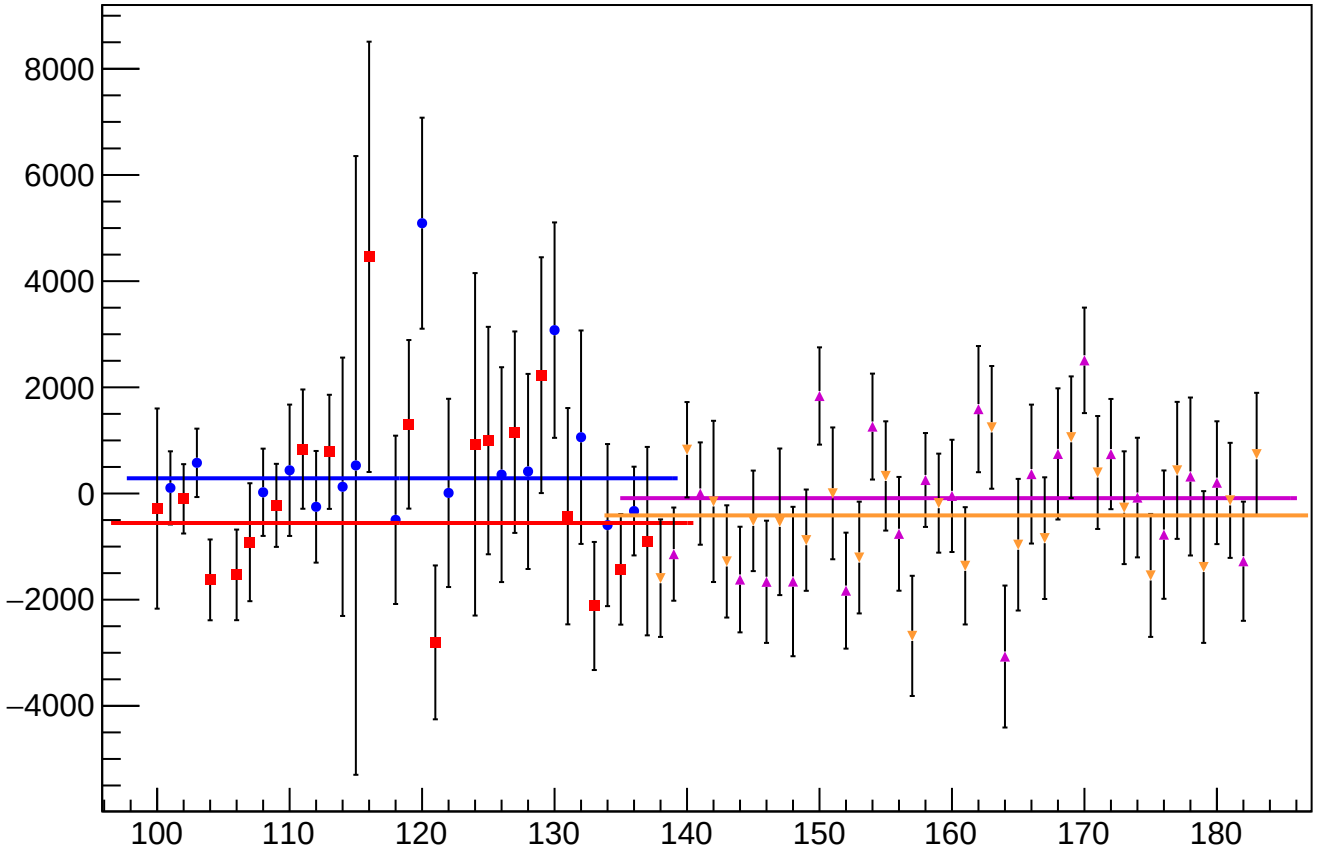
Left In: 158.476+/-0.027 χ^2/NDF:478117.2/21

+ sign 133.527+/-0.019 χ^2/NDF: 3324244.5/39

All: 131.363+/-0.013 χ^2/NDF: 7311598.3/80

- sign 129.231+/-0.019 χ^2/NDF: 3961647.7/40

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -412.324+/-226.481 χ^2/NDF:17.6/23

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

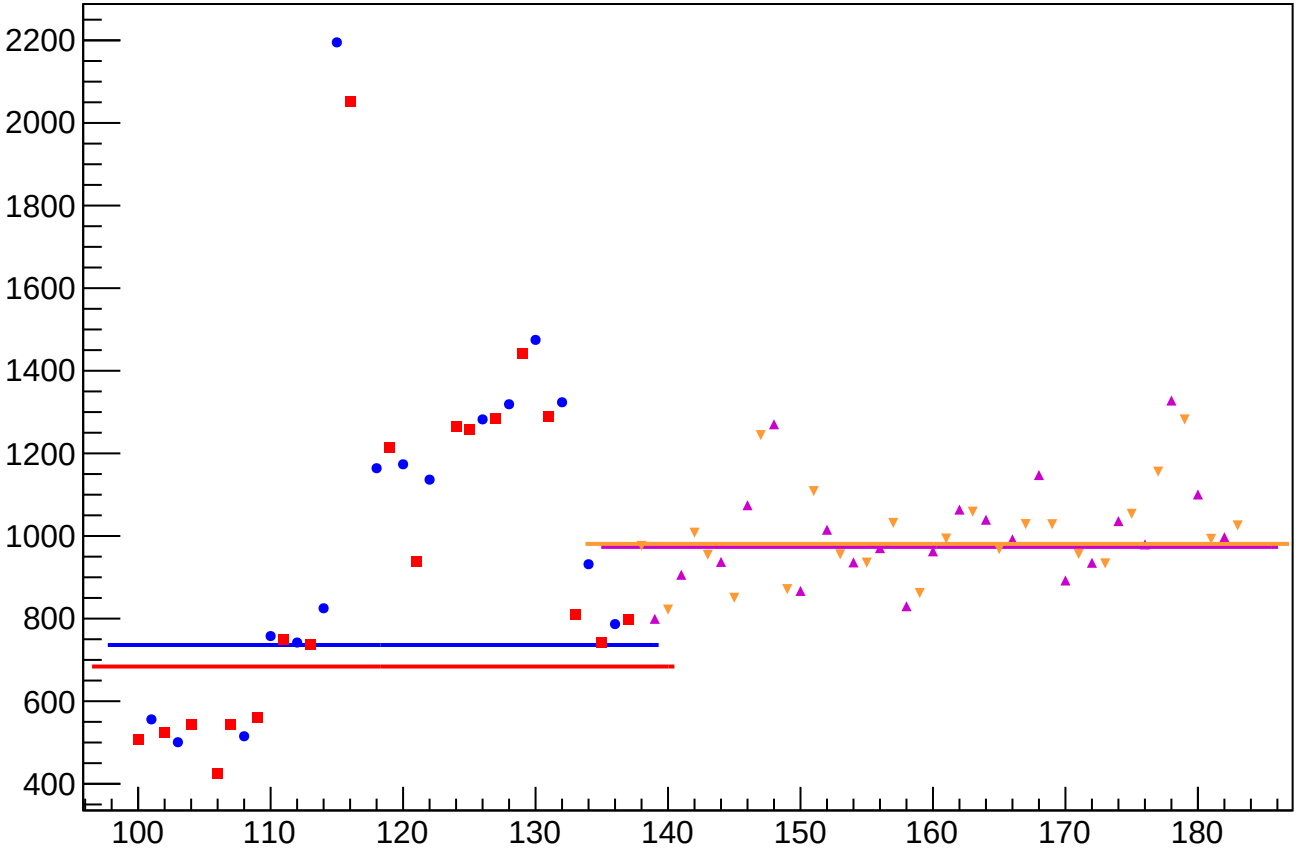
Left In: -87.577+/-231.660 χ^2/NDF:32.9/21

+ sign -151.324+/-179.298 χ^2/NDF: 30.8/39

All: -219.986+/-125.529 χ^2/NDF: 83.7/80

- sign -285.997+/-175.802 χ^2/NDF: 52.6/40

asym_sam5_eigen_cor_correction_rms vs Slug



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Left Out: 980.856+/-0.160 χ^2/NDF:422797.6/23

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

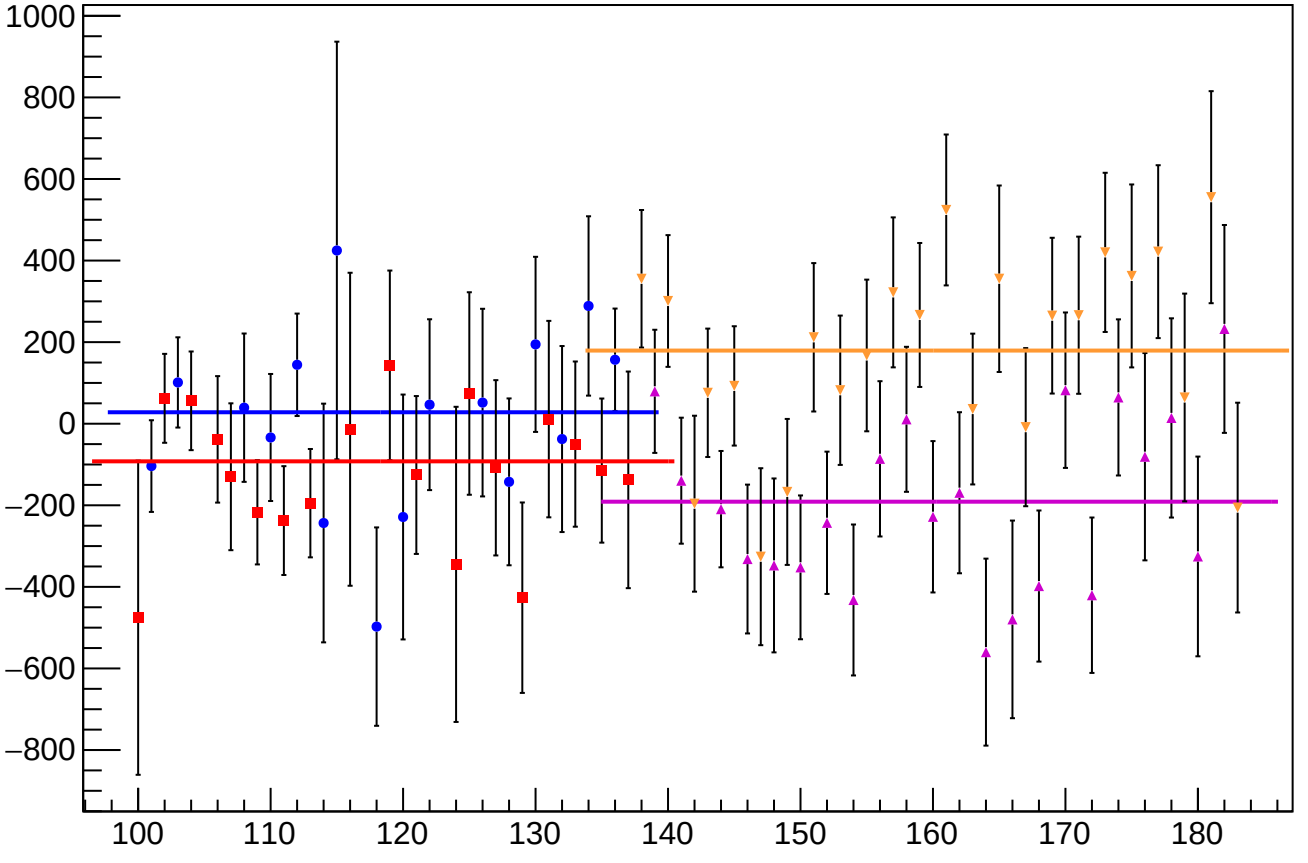
Left In: 973.600+/-0.164 χ^2/NDF:498505.9/21

+ sign 889.492+/-0.127 χ^2/NDF: 3139268.7/39

All: 869.750+/-0.089 χ^2/NDF: 6861456.8/80

- sign 850.772+/-0.124 χ^2/NDF: 3674634.6/40

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 179.356+/-38.997 χ^2/NDF:29.9/23

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

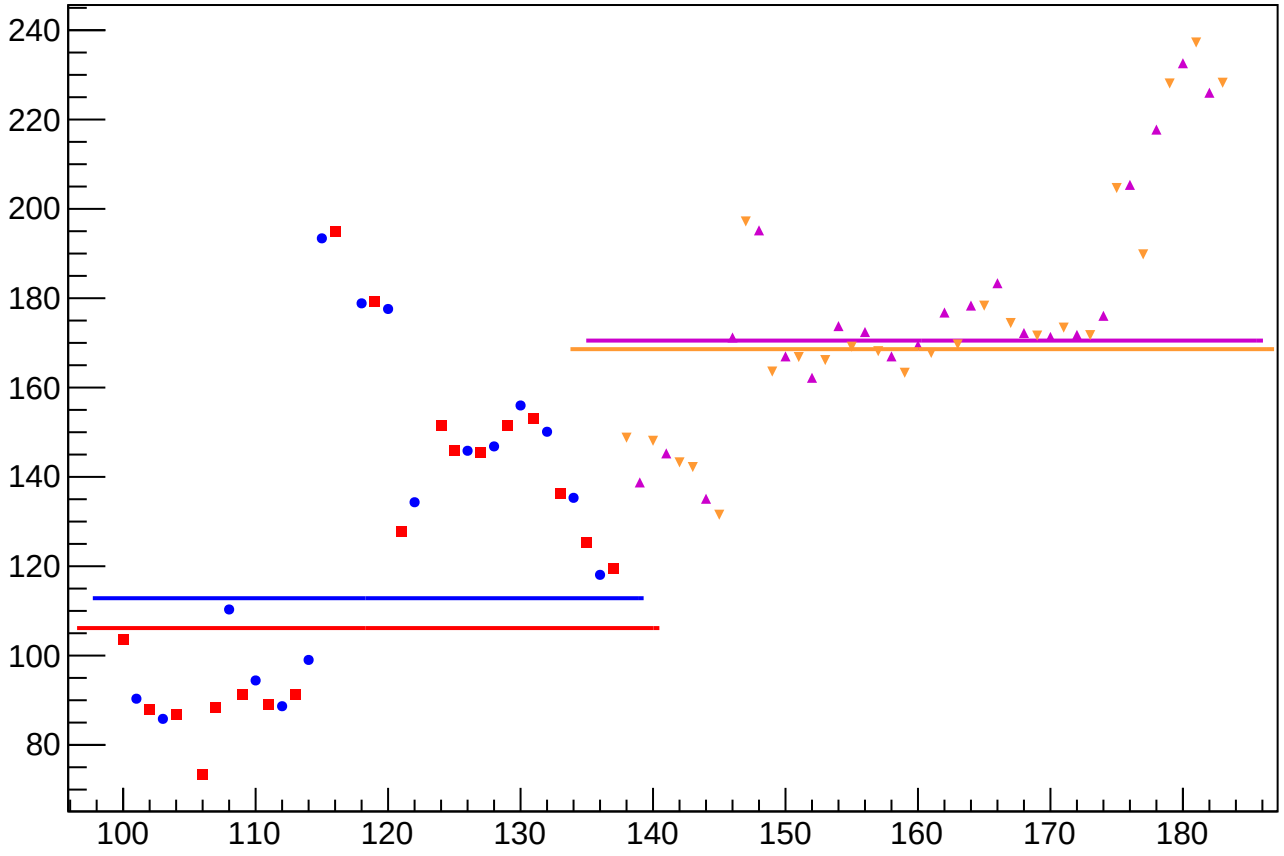
Left In: -191.183+/-40.585 χ^2/NDF:23.2/21

+ sign 111.852+/-29.019 χ^2/NDF: 50.1/39

All: -16.385+/-20.399 χ^2/NDF: 126.7/80

- sign -141.659+/-28.681 χ^2/NDF: 37.9/40

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 168.597+/-0.028 χ^2/NDF:746525.3/23

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

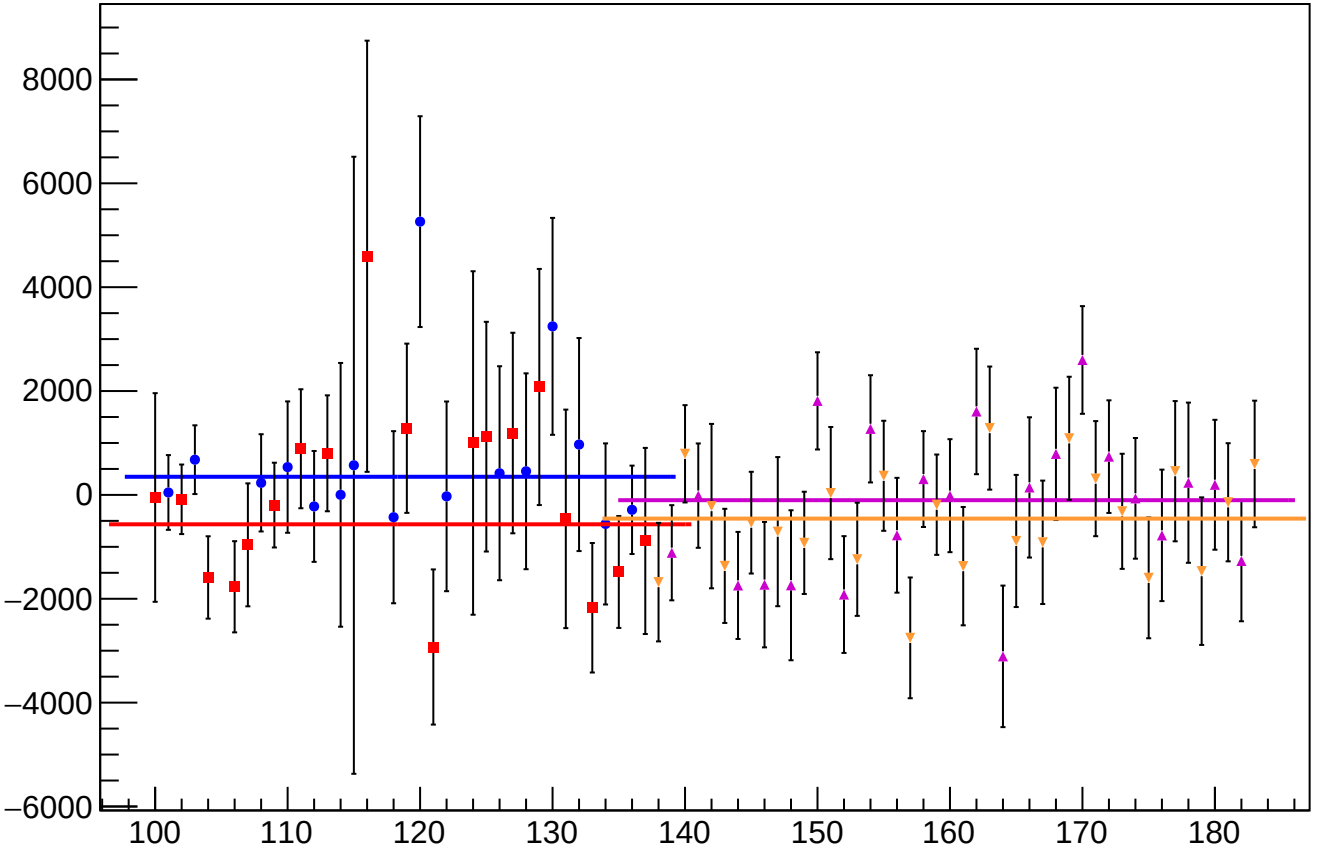
Left In: 170.517+/-0.029 χ^2/NDF:646862.7/21

+ sign 143.716+/-0.021 χ^2/NDF: 3443202.9/39

All: 140.977+/-0.014 χ^2/NDF: 7644951.4/80

- sign 138.301+/-0.020 χ^2/NDF: 4166529.6/40

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -456.261+/-234.198 χ^2/NDF:17.2/23

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

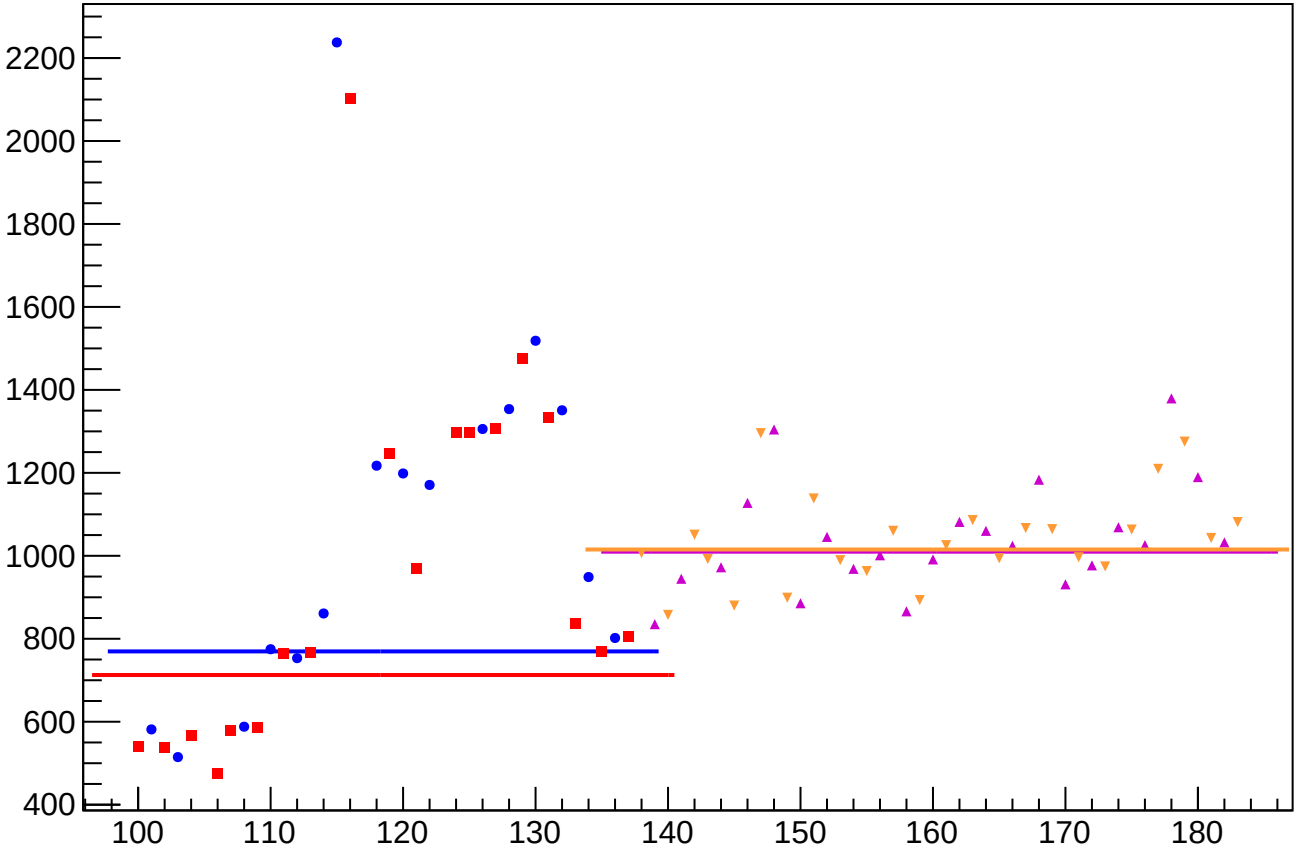
Left In: -101.787+/-240.215 χ^2/NDF:32.2/21

+ sign -157.939+/-185.828 χ^2/NDF: 31.4/39

All: -230.023+/-130.062 χ^2/NDF: 83.7/80

- sign -299.242+/-182.099 χ^2/NDF: 52.1/40

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1015.217+/-0.166 χ^2/NDF:397889.6/23

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

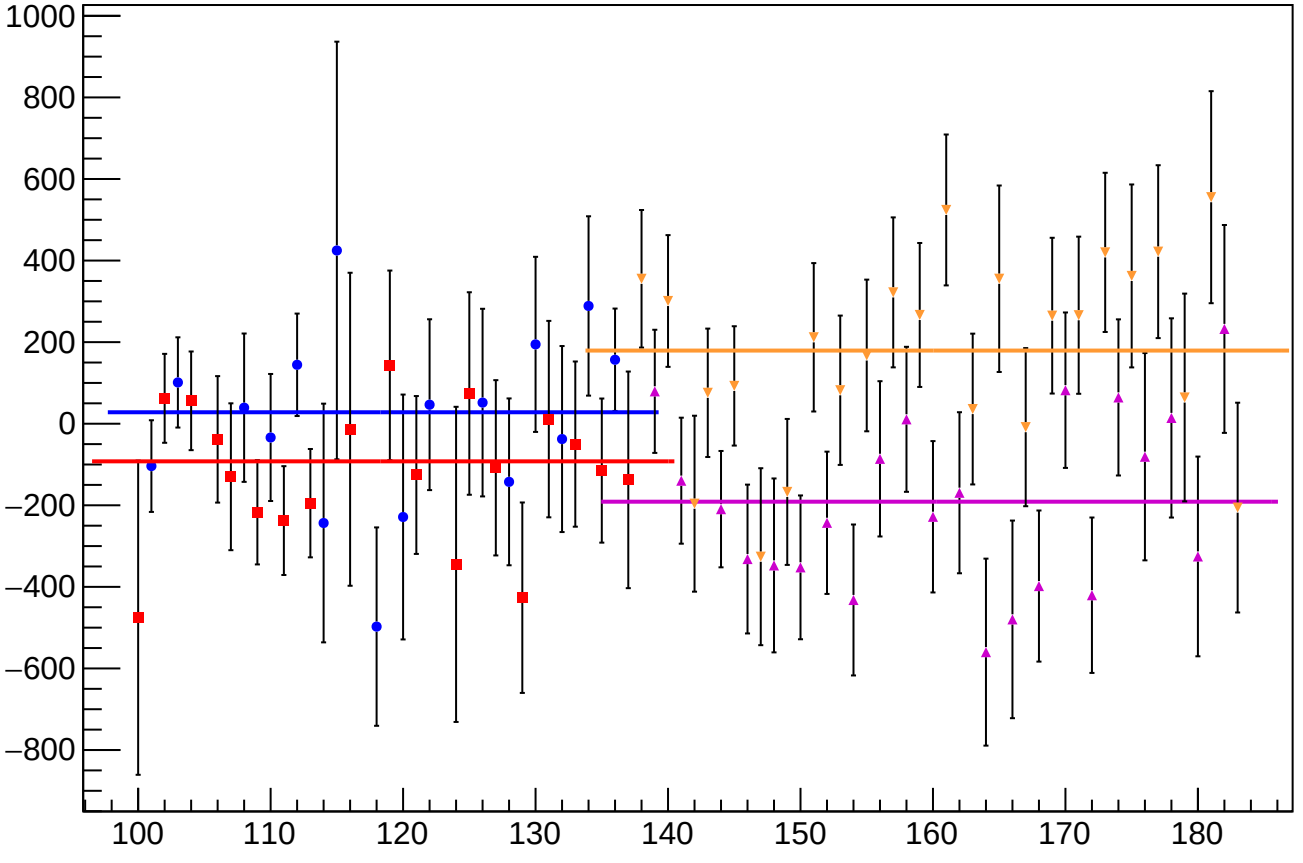
Left In: 1009.951+/-0.170 χ^2/NDF:498625.4/21

+ sign 924.221+/-0.131 χ^2/NDF: 2952944.0/39

All: 903.443+/-0.092 χ^2/NDF: 6571023.4/80

- sign 883.490+/-0.129 χ^2/NDF: 3569062.8/40

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 179.356+/-38.997 χ^2/NDF:29.9/23

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: -191.183+/-40.585 χ^2/NDF:23.2/21

+ sign 111.852+/-29.019 χ^2/NDF: 50.1/39

All: -16.385+/-20.399 χ^2/NDF: 126.7/80

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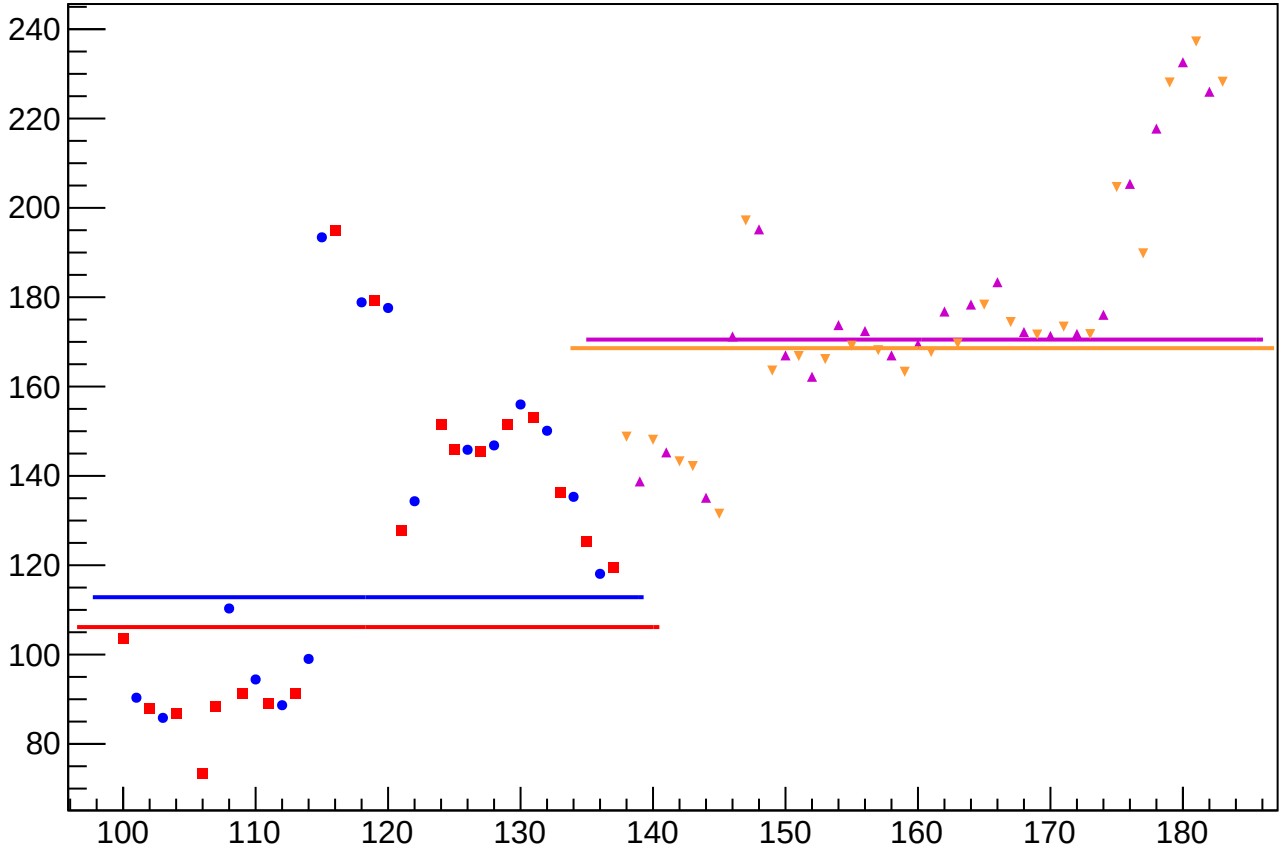
eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 168.597+/-0.028 χ^2/NDF:746513.8/23

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

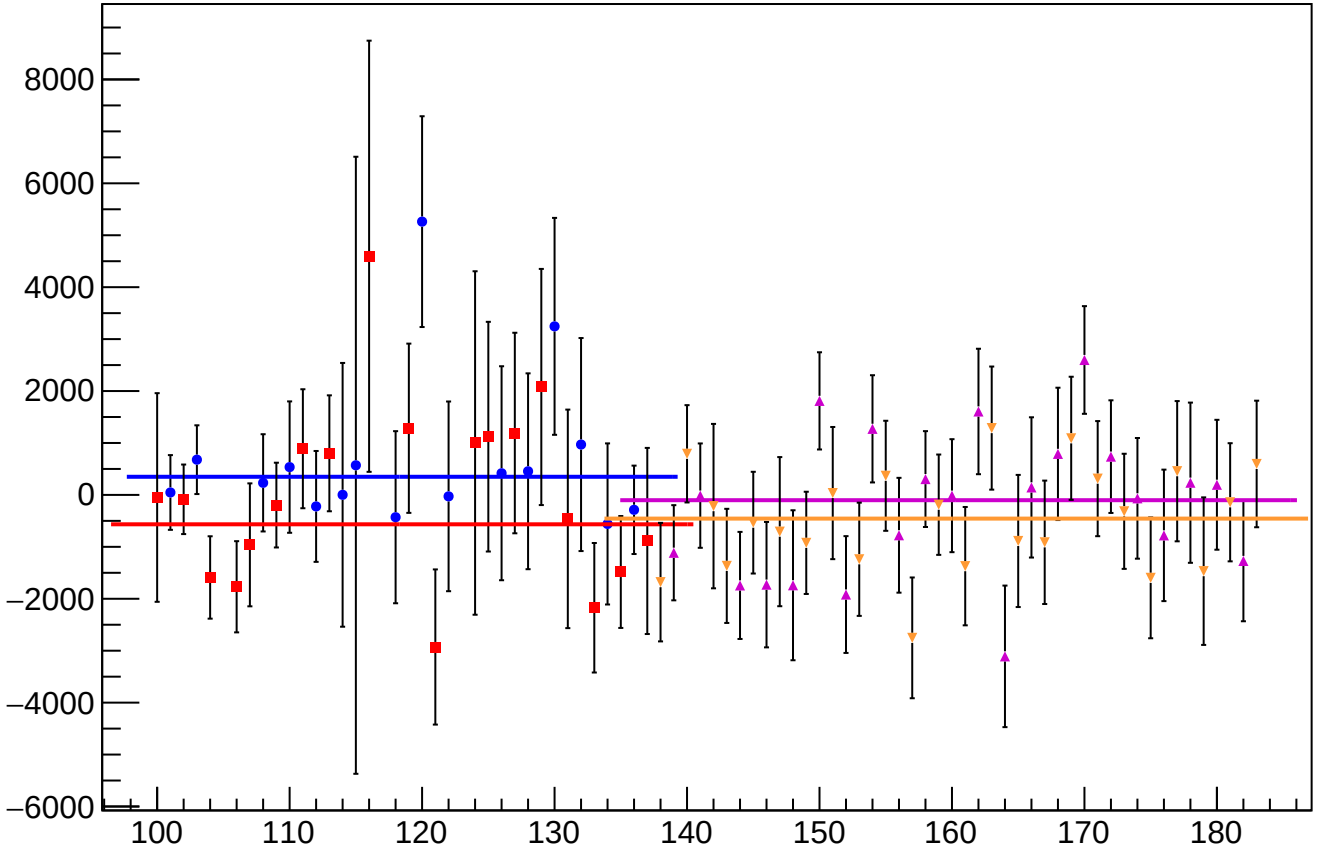
Left In: 170.517+/-0.029 χ^2/NDF:646852.9/21

+ sign 143.715+/-0.021 χ^2/NDF: 3443217.1/39

All: 140.977+/-0.014 χ^2/NDF: 7644983.0/80

- sign 138.301+/-0.020 χ^2/NDF: 4166547.9/40

asym_sam5_eigen_dit_correction_mean vs Slug



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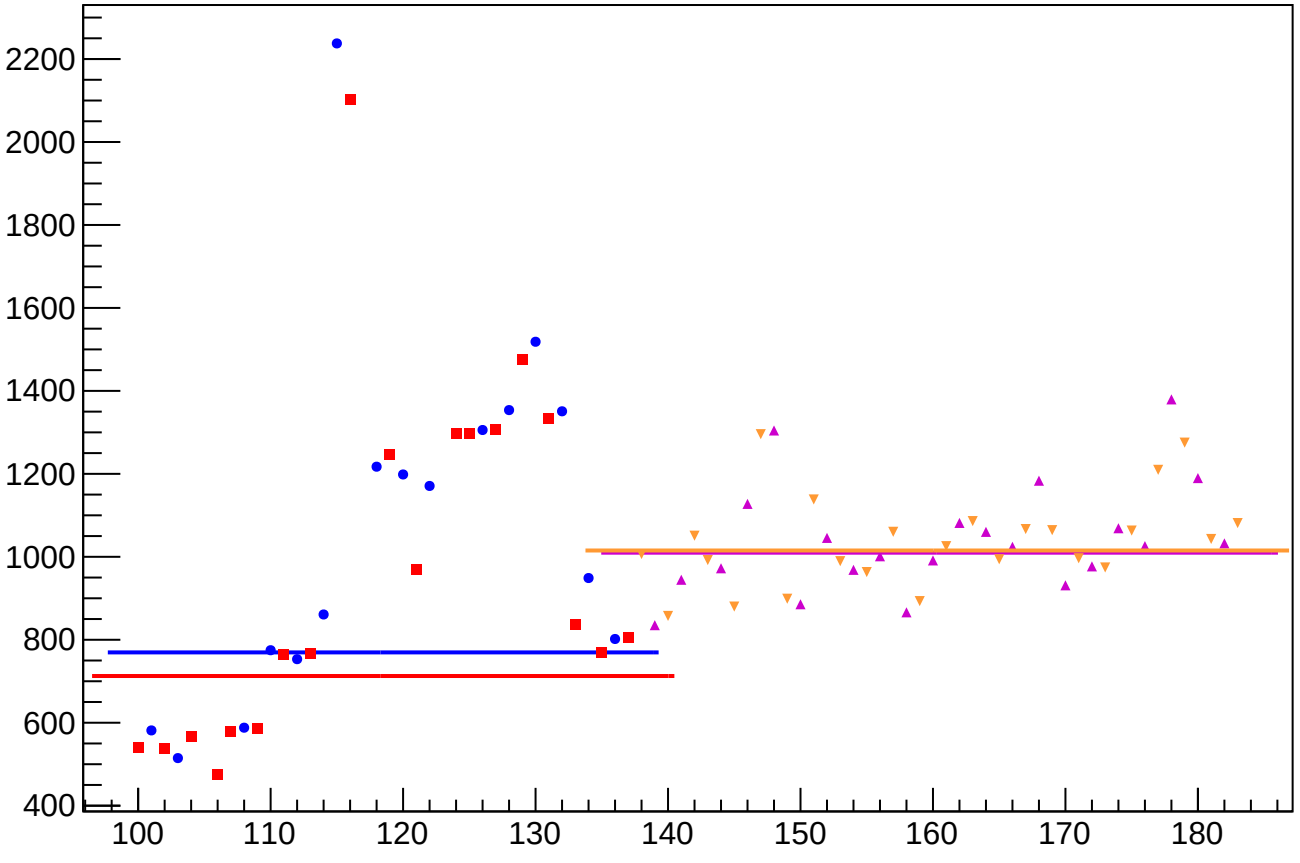
asym_sam5_eigen_dit_correction_rms vs Slug



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Left Out: 1015.218+/-0.166 χ^2/NDF:397888.0/23

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

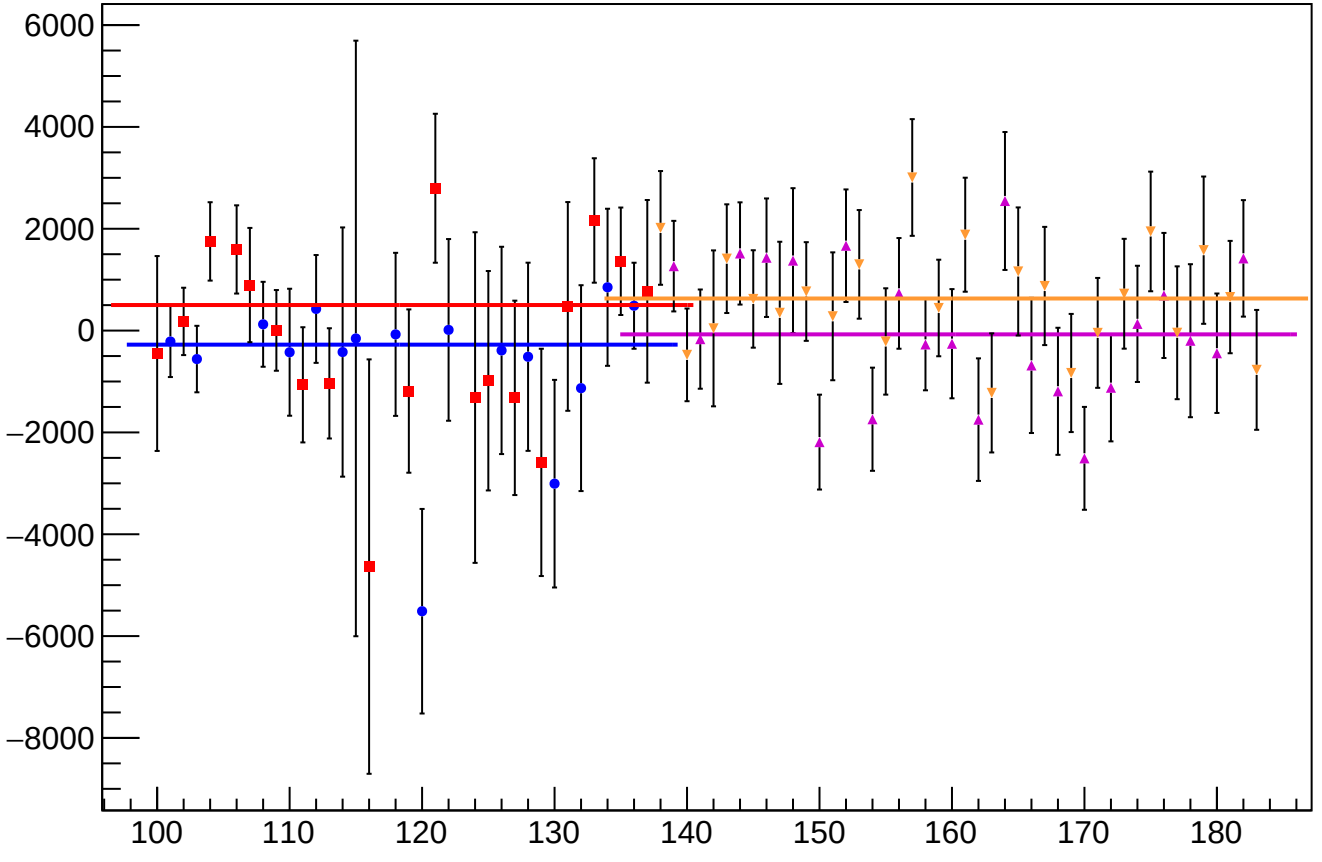
Left In: 1009.952+/-0.170 χ^2/NDF:498625.4/21

+ sign 924.221+/-0.131 χ^2/NDF: 2952955.7/39

All: 903.443+/-0.092 χ^2/NDF: 6571050.7/80

- sign 883.490+/-0.129 χ^2/NDF: 3569078.3/40

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 630.126+/-229.515 χ^2/NDF:18.6/23

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

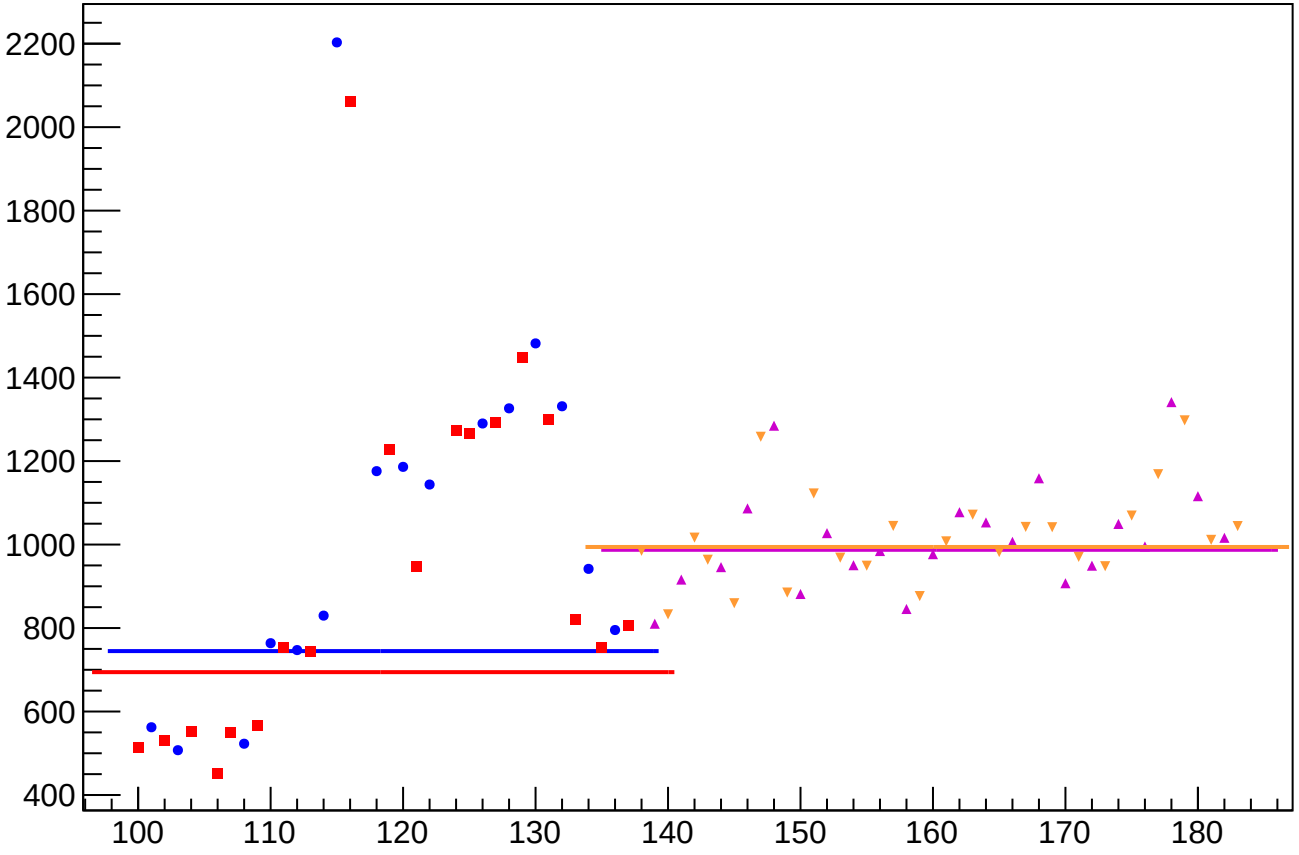
Left In: -74.141+/-234.889 χ^2/NDF:34.2/21

+ sign 290.836+/-181.540 χ^2/NDF: 35.5/39

All: 229.726+/-127.117 χ^2/NDF: 92.9/80

- sign 170.942+/-178.051 χ^2/NDF: 57.2/40

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 994.206+/-0.162 χ^2/NDF:418675.8/23

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

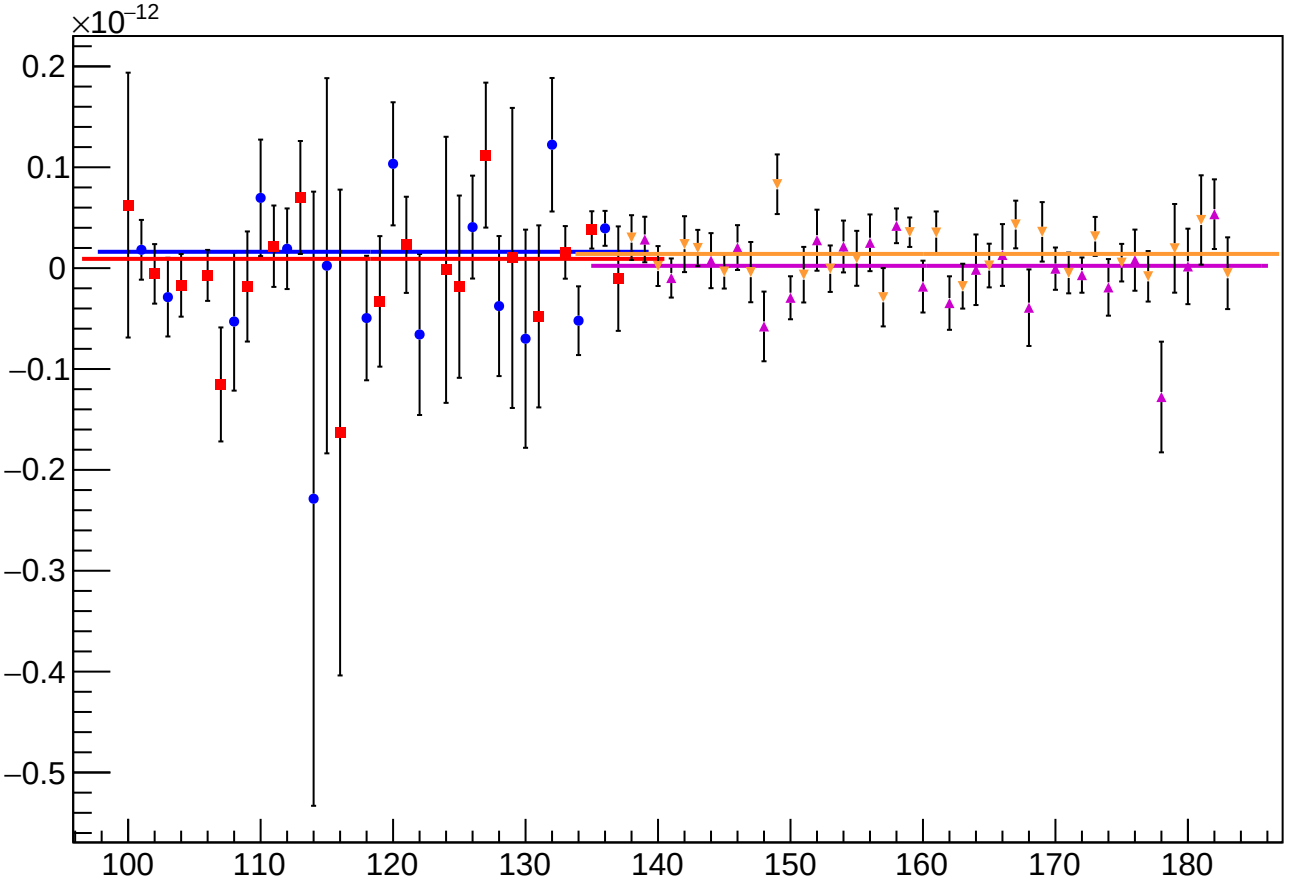
Left In: 987.445+/-0.166 χ^2/NDF:487469.6/21

+ sign 900.832+/-0.128 χ^2/NDF: 3125468.3/39

All: 881.428+/-0.090 χ^2/NDF: 6786225.8/80

- sign 862.762+/-0.126 χ^2/NDF: 3615927.6/40

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

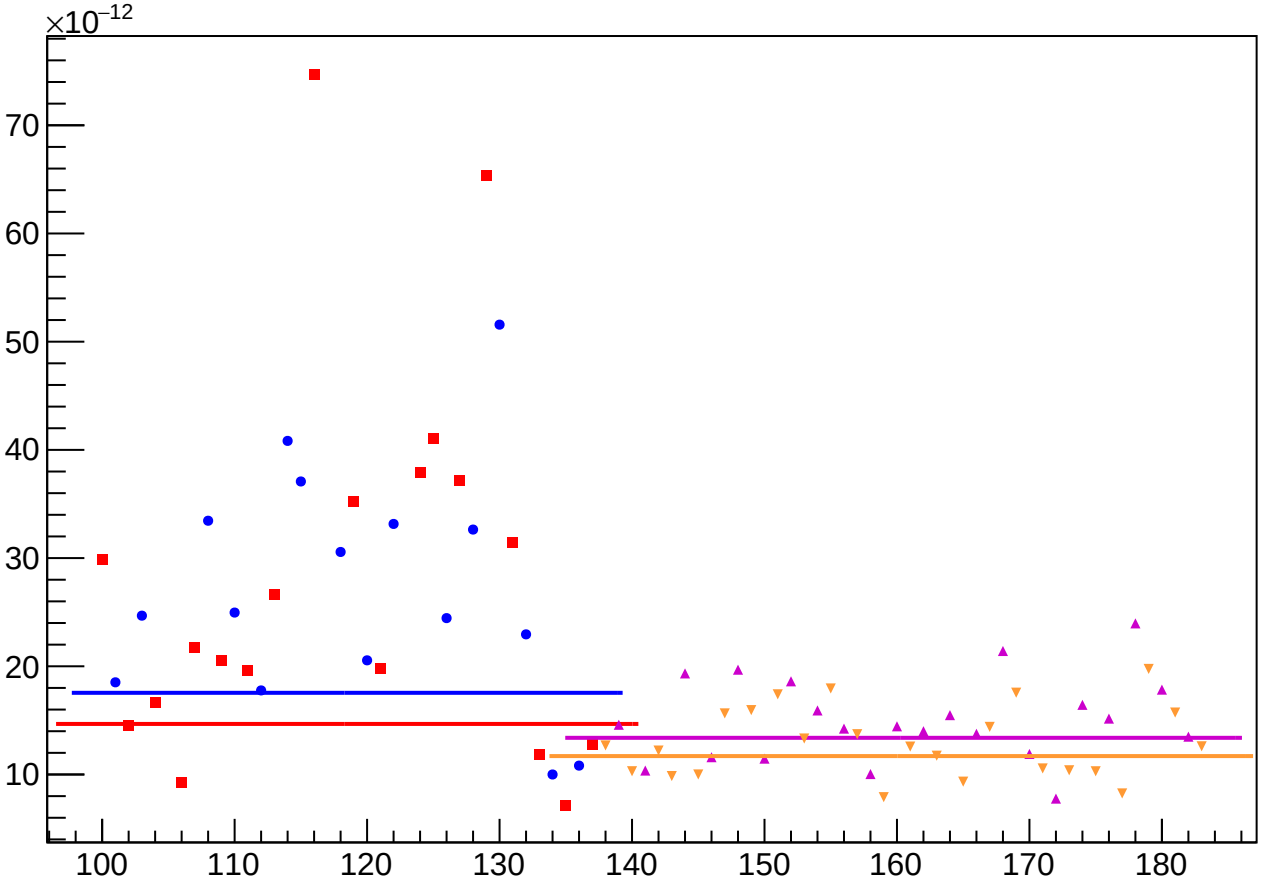
Left In: 0.000+/-0.000 χ^2/NDF:27.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/39

All: 0.000+/-0.000 χ^2/NDF: 85.1/80

- sign 0.000+/-0.000 χ^2/NDF: 42.0/40

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:760635.2/23

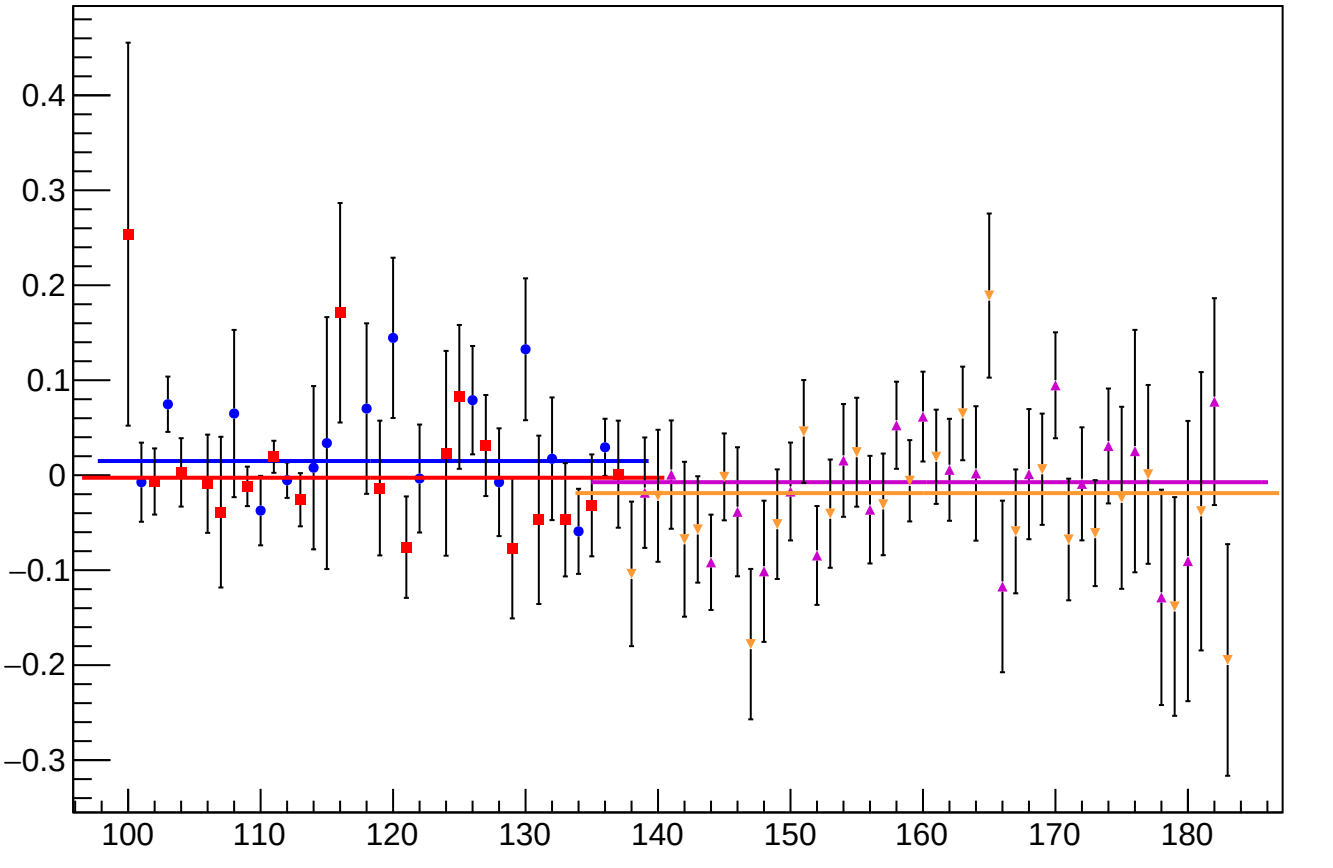
Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:853535.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 2420712.6/39

All: 0.000+/-0.000 χ^2/NDF: 5101200.0/80

- sign 0.000+/-0.000 χ^2/NDF: 2623131.9/40



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.019+/-0.013 χ^2/NDF:23.1/23

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

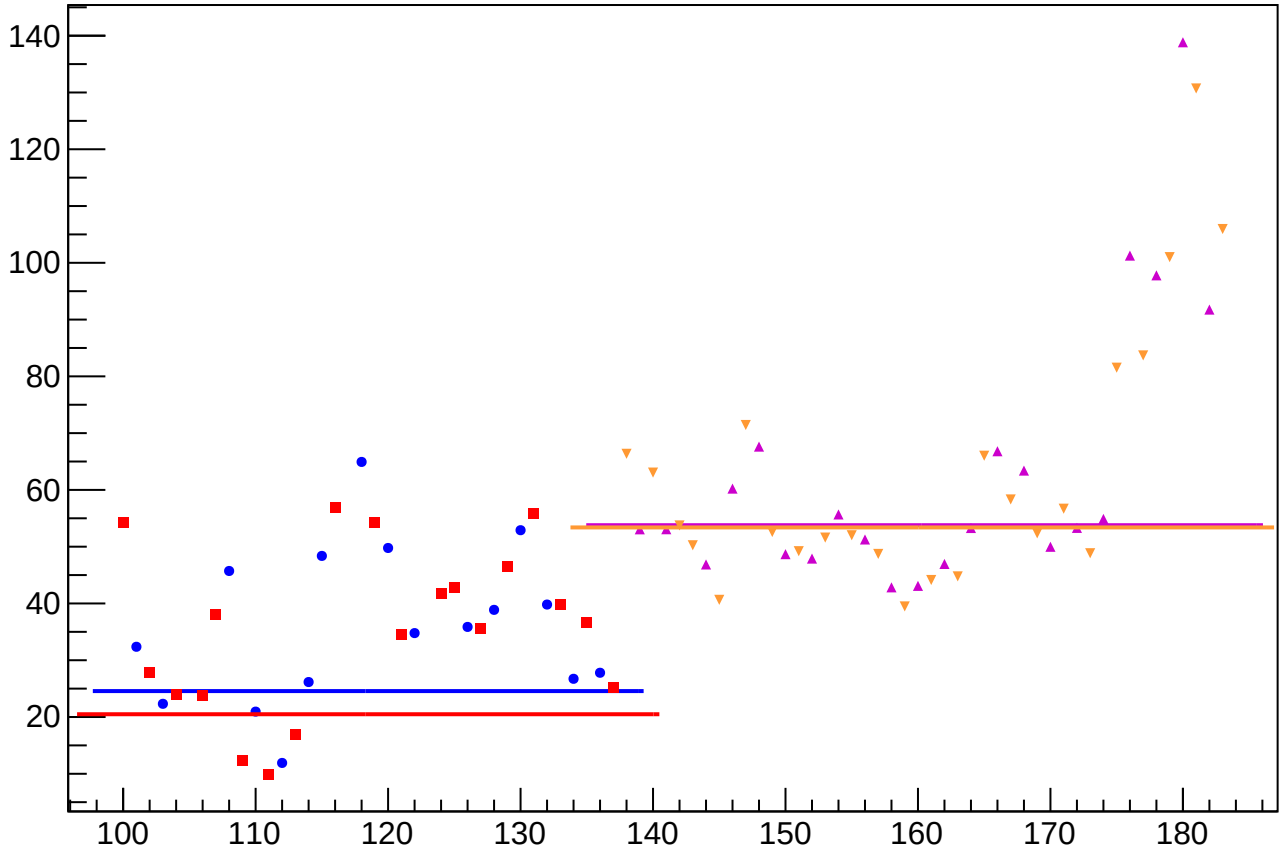
Left In: -0.007+/-0.013 χ^2/NDF:18.6/21

+ sign 0.001+/-0.008 χ^2/NDF: 45.0/39

All: -0.002+/-0.006 χ^2/NDF: 76.4/80

- sign -0.004+/-0.008 χ^2/NDF: 31.1/40

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.391+/-0.009 χ^2/NDF:2458190.7/23

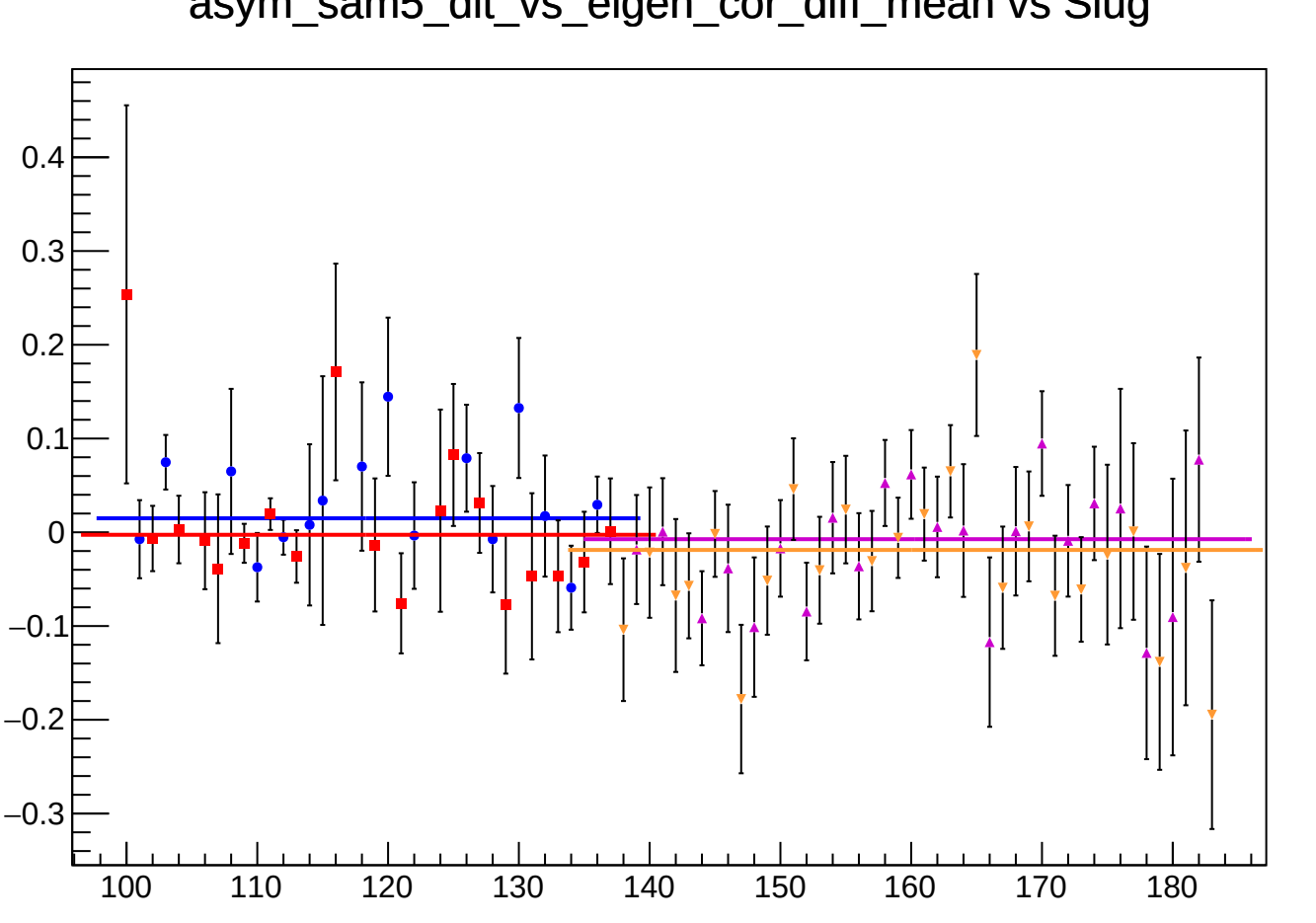
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.782+/-0.009 χ^2/NDF:2002337.2/21

+ sign 36.258+/-0.006 χ^2/NDF: 10955821.6/39

All: 33.621+/-0.004 χ^2/NDF: 25428562.8/80

- sign 31.351+/-0.005 χ^2/NDF: 14084314.7/40



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.019+/-0.013 χ^2/NDF:23.1/23

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

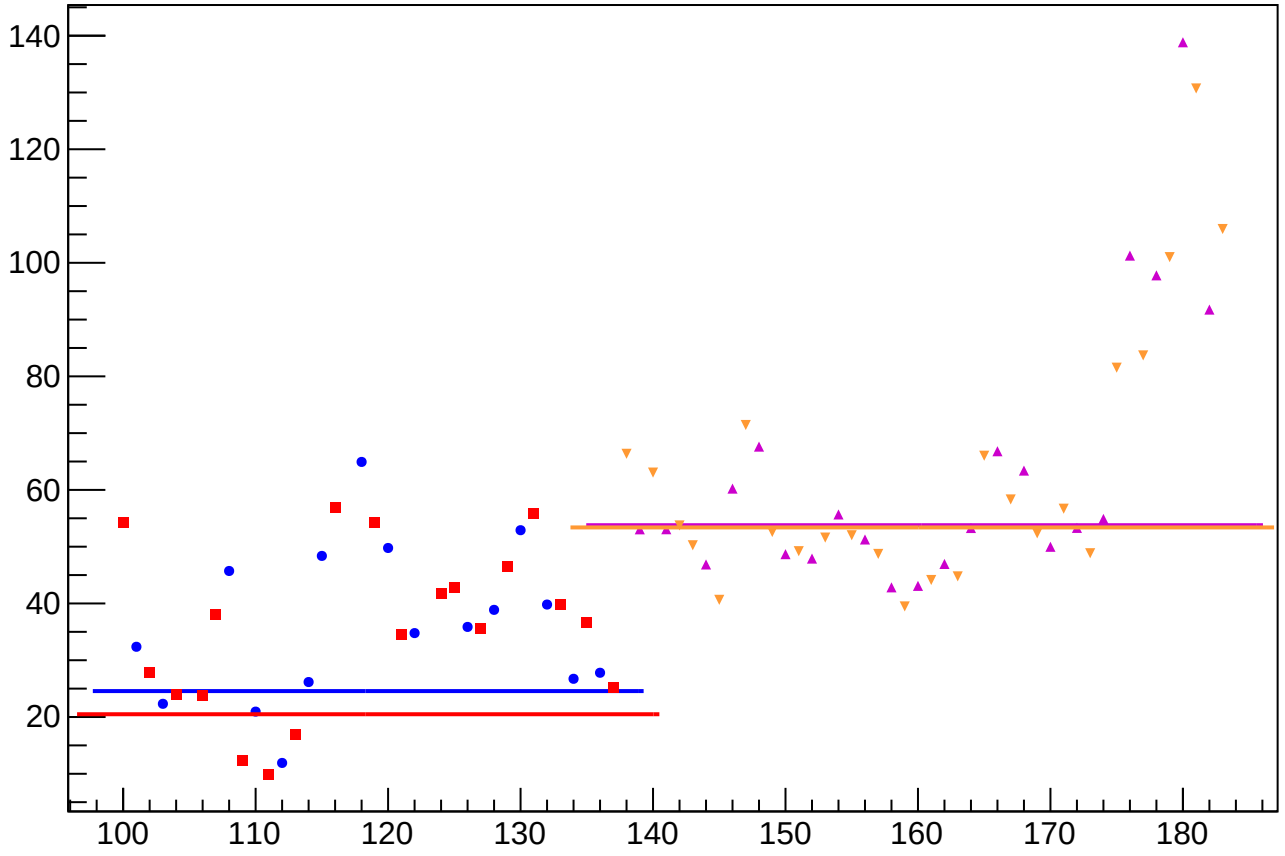
Left In: -0.007+/-0.013 χ^2/NDF:18.6/21

+ sign 0.001+/-0.008 χ^2/NDF: 45.0/39

All: -0.002+/-0.006 χ^2/NDF: 76.4/80

- sign -0.004+/-0.008 χ^2/NDF: 31.1/40

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.391+/-0.009 χ^2/NDF:2458190.7/23

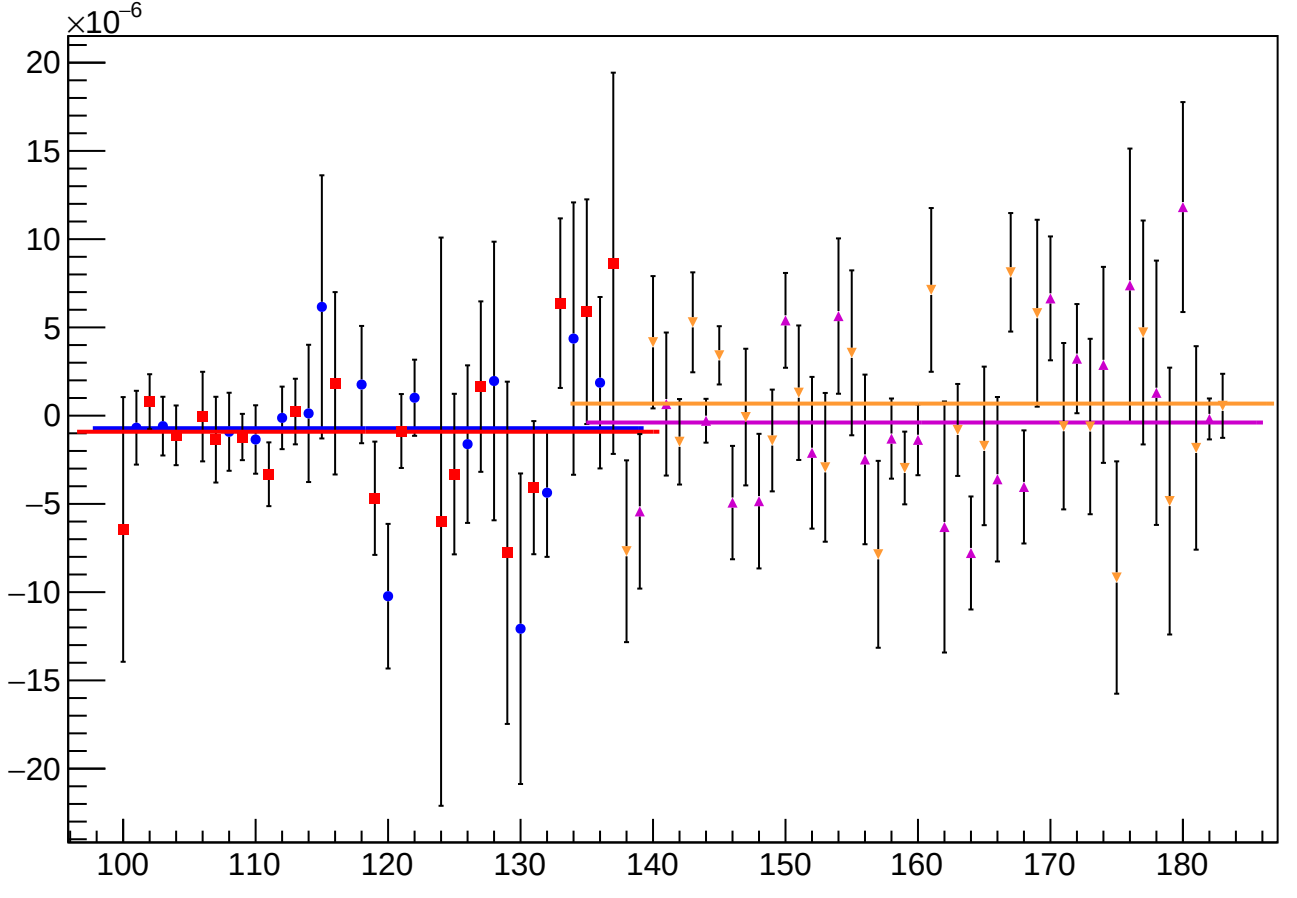
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.782+/-0.009 χ^2/NDF:2002337.2/21

+ sign 36.258+/-0.006 χ^2/NDF: 10955821.6/39

All: 33.621+/-0.004 χ^2/NDF: 25428562.8/80

- sign 31.351+/-0.005 χ^2/NDF: 14084314.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

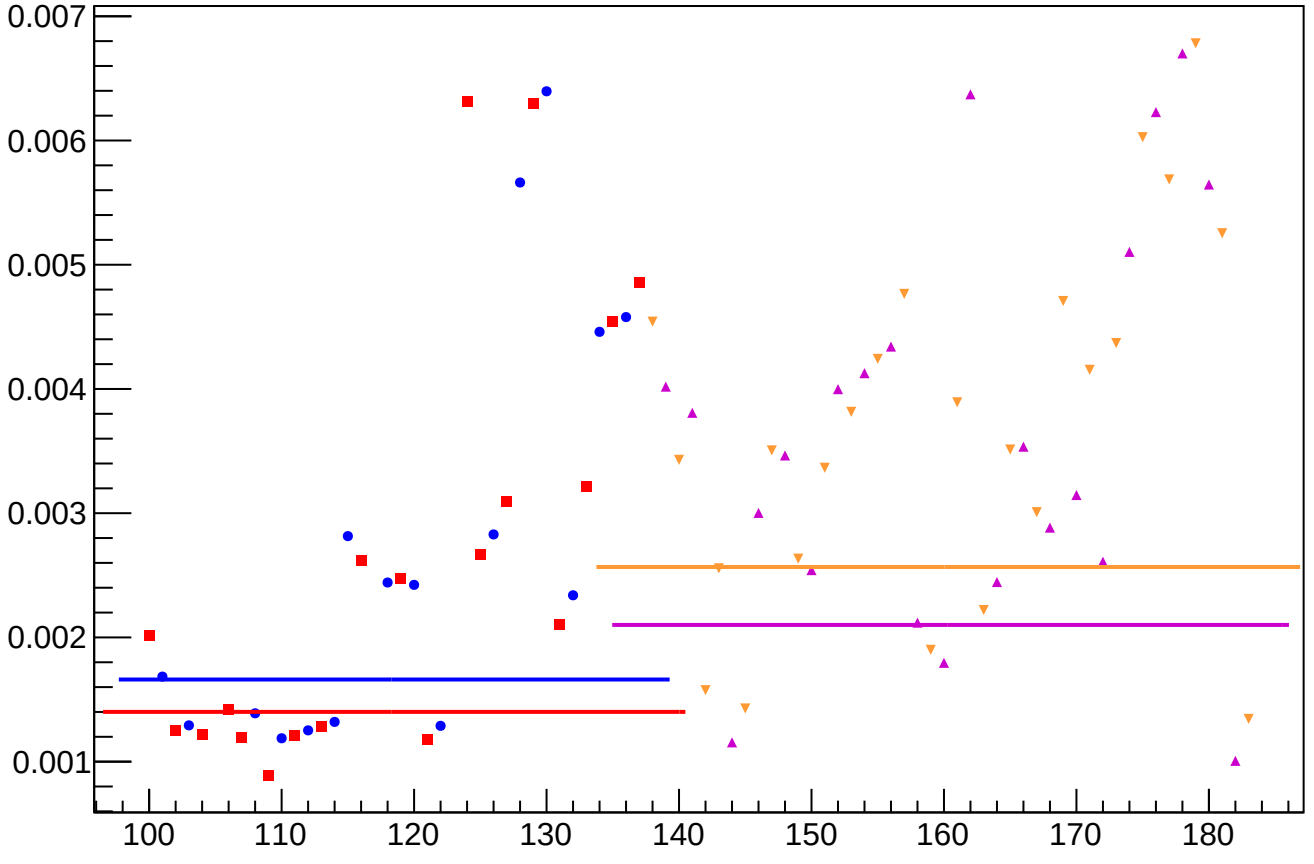
Left In: -0.000+/-0.000 χ^2/NDF:30.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/39

All: -0.000+/-0.000 χ^2/NDF: 86.6/80

- sign -0.000+/-0.000 χ^2/NDF: 43.1/40

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:7020089.1/23

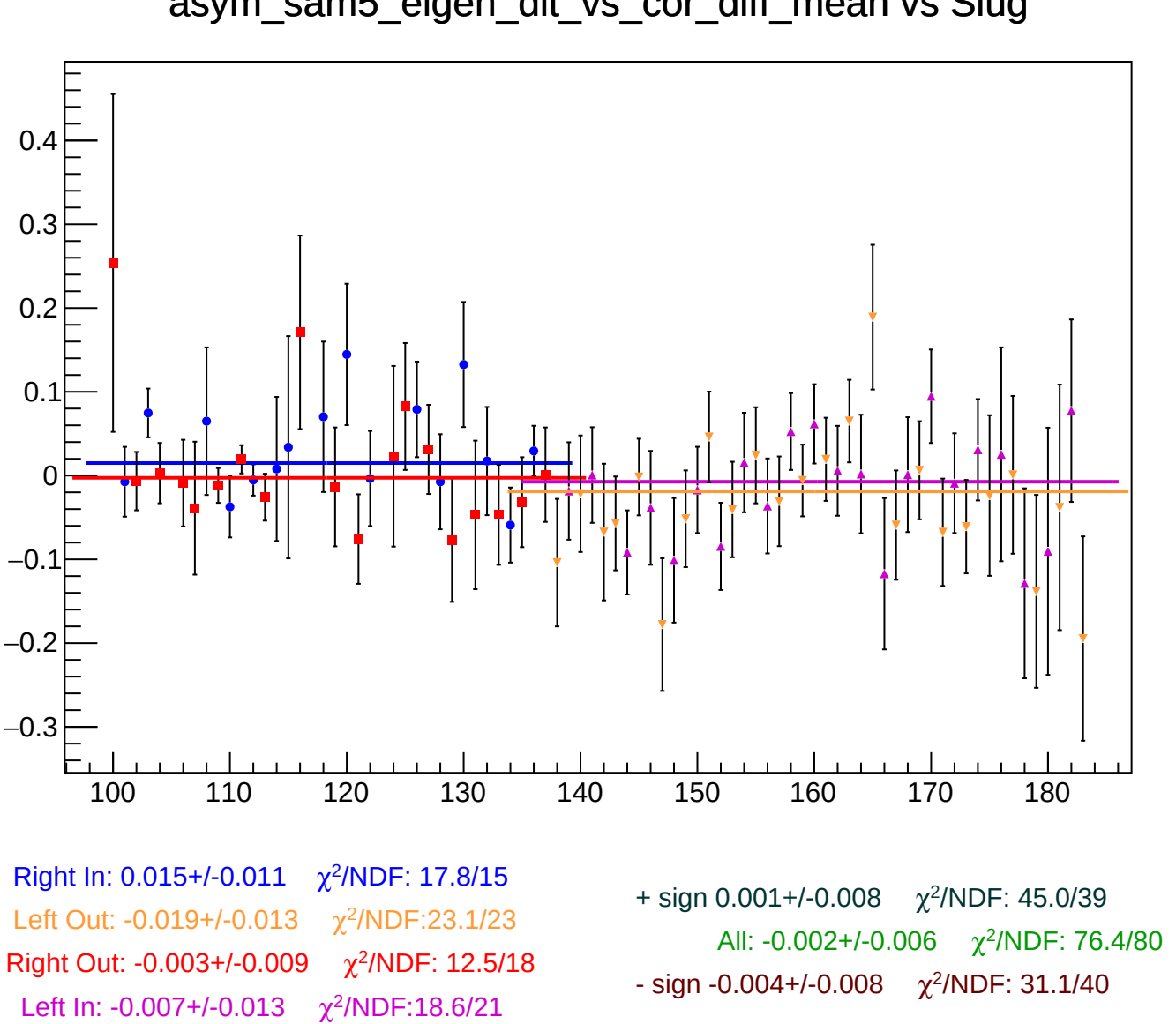
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:9343335.0/21

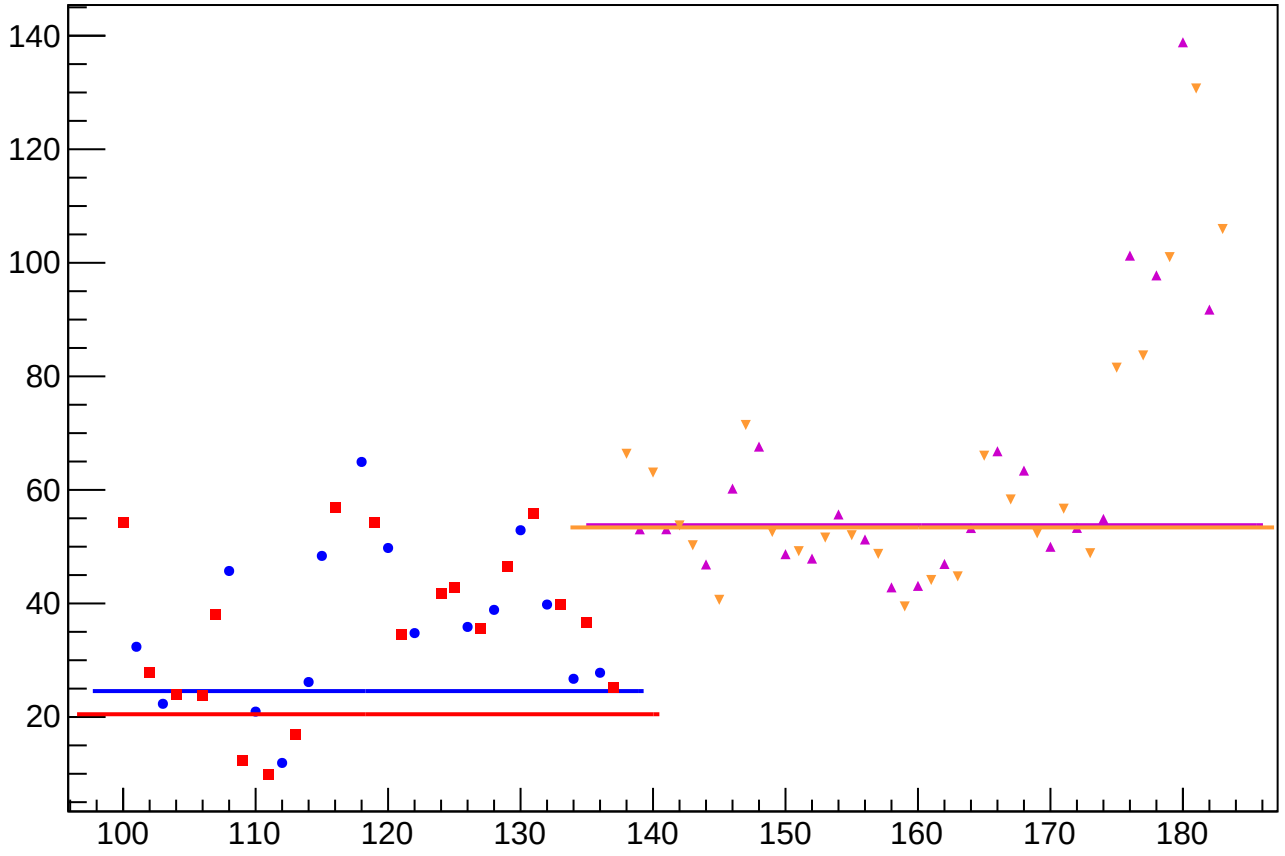
+ sign 0.002+/-0.000 χ^2/NDF: 11719305.1/39

All: 0.002+/-0.000 χ^2/NDF: 26134047.5/80

- sign 0.002+/-0.000 χ^2/NDF: 13689216.7/40


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.019+/-0.013 χ²/NDF:23.1/23
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.007+/-0.013 χ²/NDF:18.6/21
+ sign 0.001+/-0.008 χ²/NDF: 45.0/39
All: -0.002+/-0.006 χ²/NDF: 76.4/80
- sign -0.004+/-0.008 χ²/NDF: 31.1/40

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.391+/-0.009 χ^2/NDF:2458238.4/23

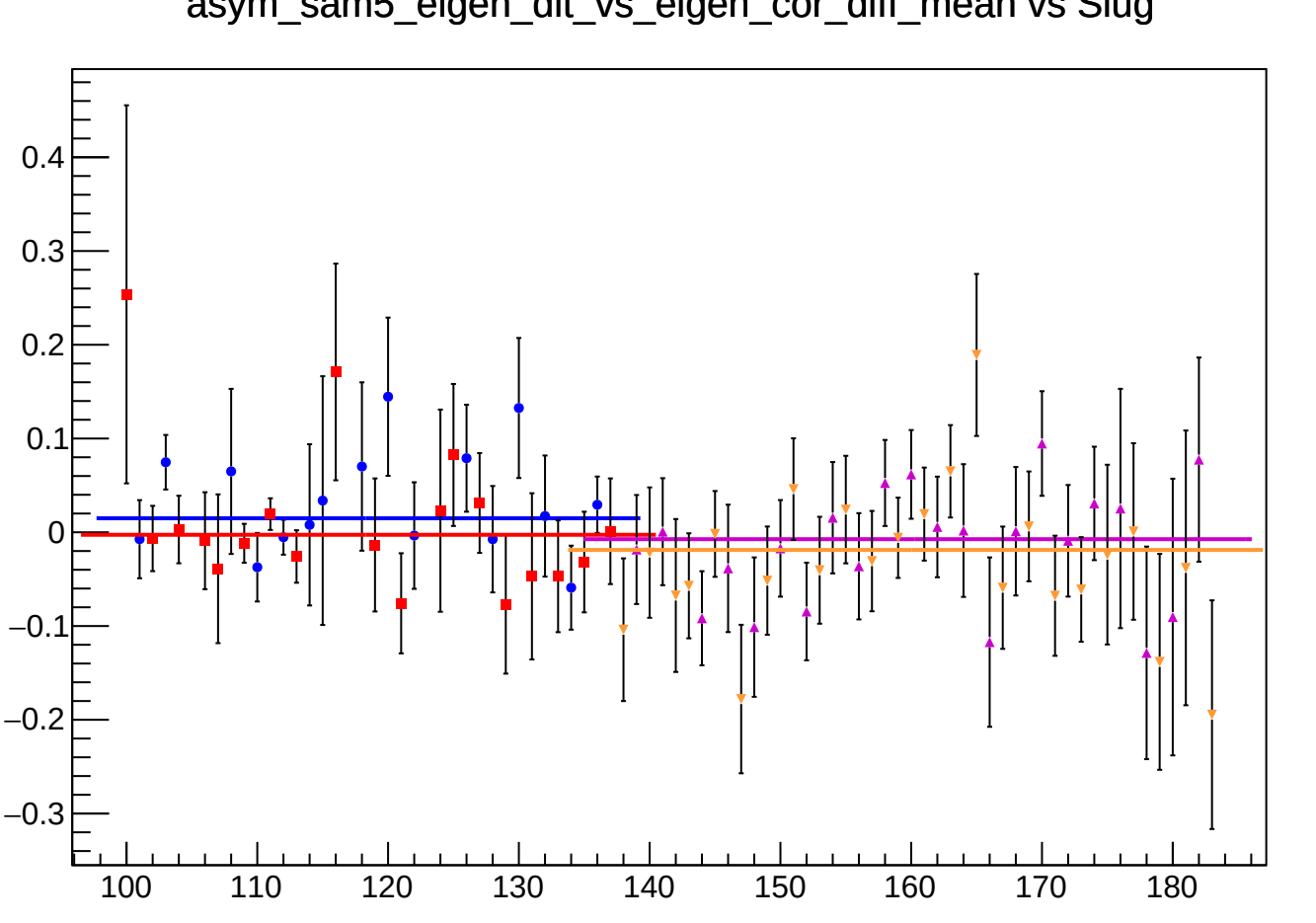
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.783+/-0.009 χ^2/NDF:2002378.2/21

+ sign 36.257+/-0.006 χ^2/NDF: 10956156.0/39

All: 33.620+/-0.004 χ^2/NDF: 25429378.8/80

- sign 31.350+/-0.005 χ^2/NDF: 14084765.9/40



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.019+/-0.013 χ^2/NDF:23.1/23

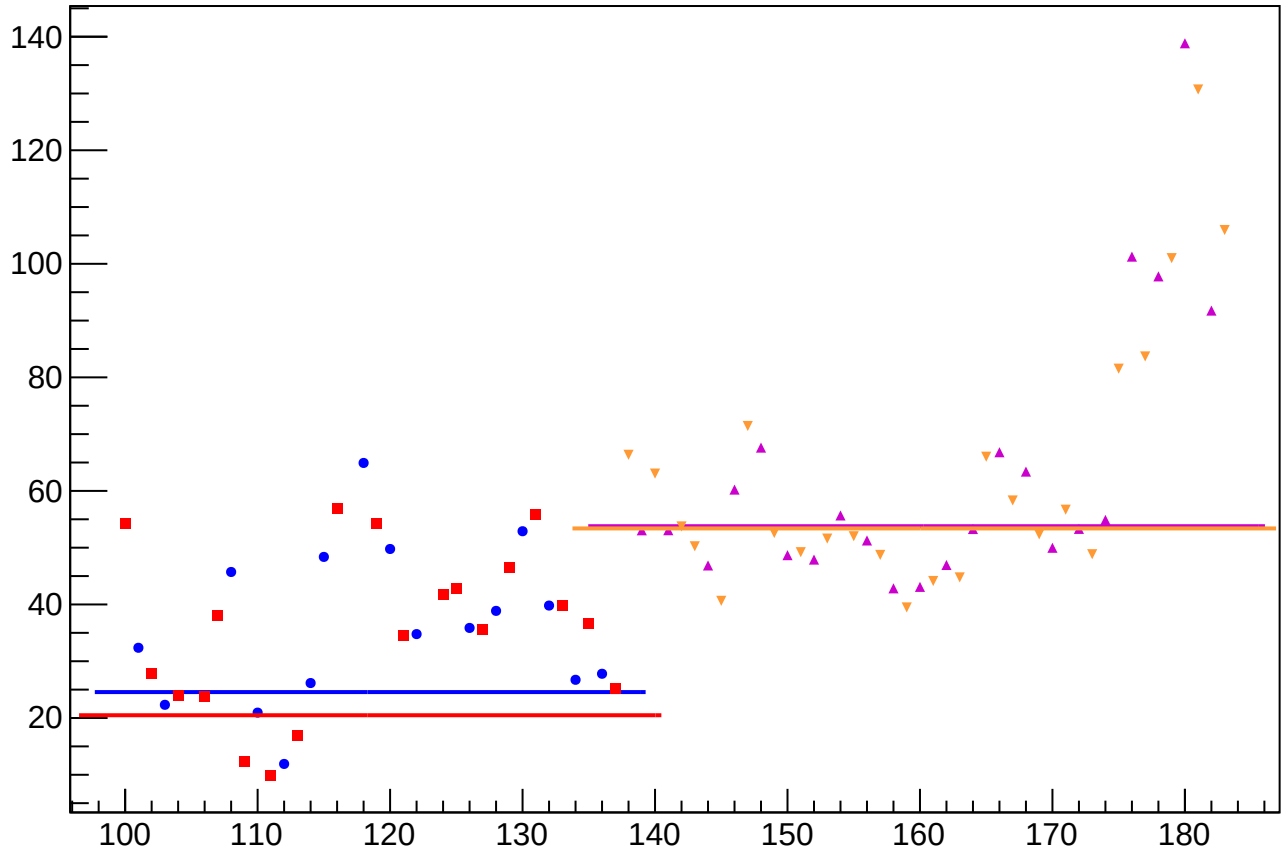
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.007+/-0.013 χ^2/NDF:18.6/21

+ sign 0.001+/-0.008 χ^2/NDF: 45.0/39

All: -0.002+/-0.006 χ^2/NDF: 76.4/80

- sign -0.004+/-0.008 χ^2/NDF: 31.1/40



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.391+/-0.009 χ^2/NDF:2458238.4/23

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

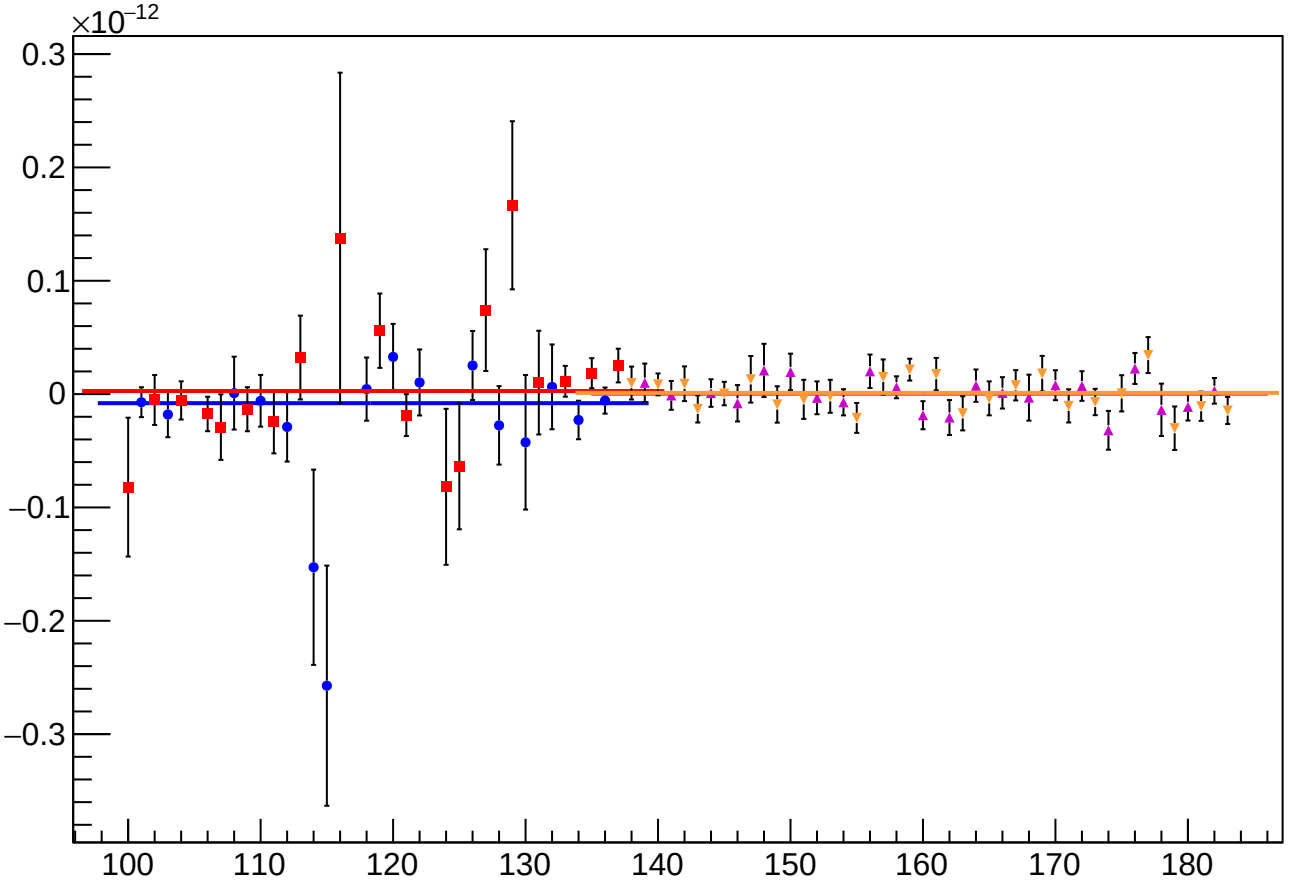
Left In: 53.783+/-0.009 χ^2/NDF:2002378.2/21

+ sign 36.257+/-0.006 χ^2/NDF: 10956156.0/39

All: 33.620+/-0.004 χ^2/NDF: 25429378.8/80

- sign 31.350+/-0.005 χ^2/NDF: 14084765.9/40

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

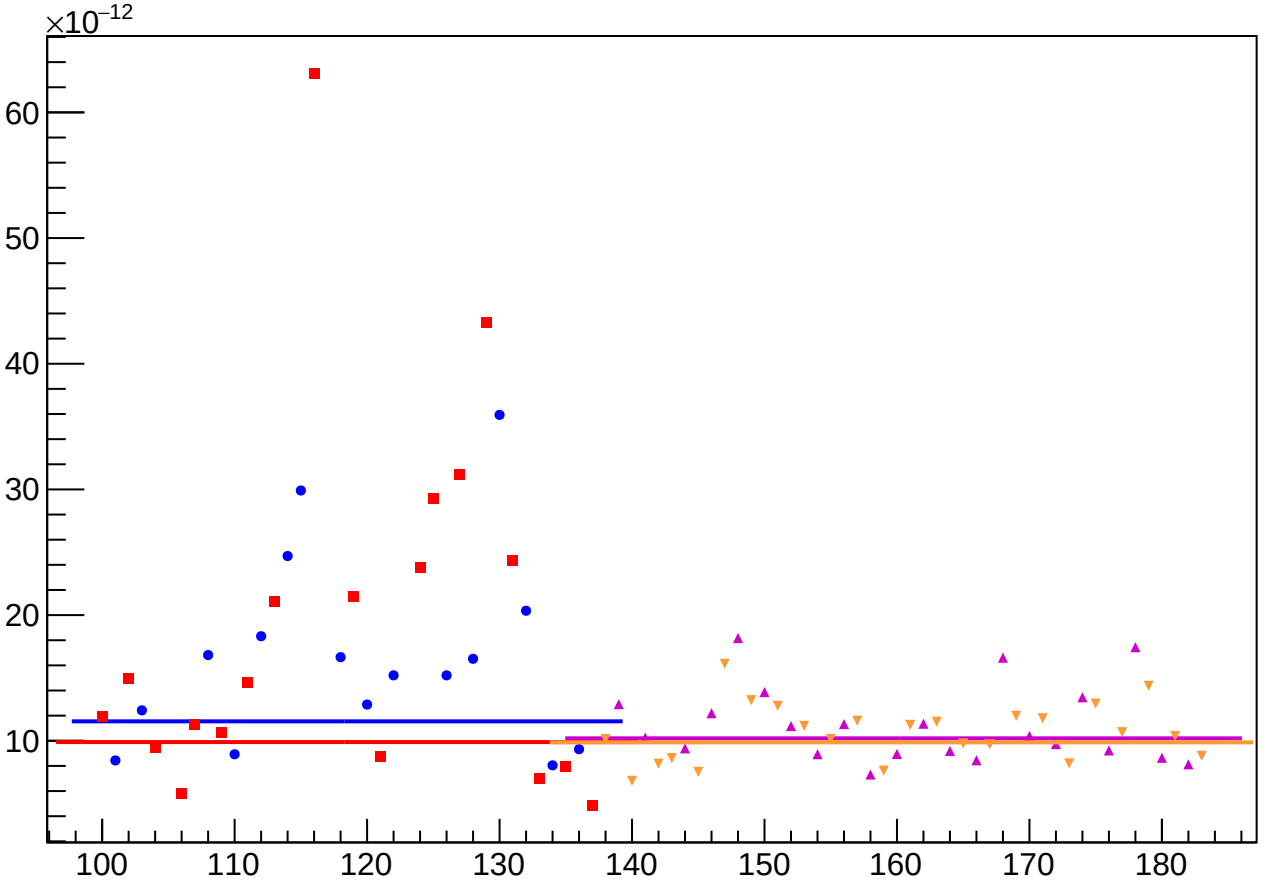
Left In: 0.000+/-0.000 χ^2/NDF:18.1/21

+ sign -0.000+/-0.000 χ^2/NDF: 43.2/39

All: 0.000+/-0.000 χ^2/NDF: 87.7/80

- sign 0.000+/-0.000 χ^2/NDF: 44.3/40

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1195412.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

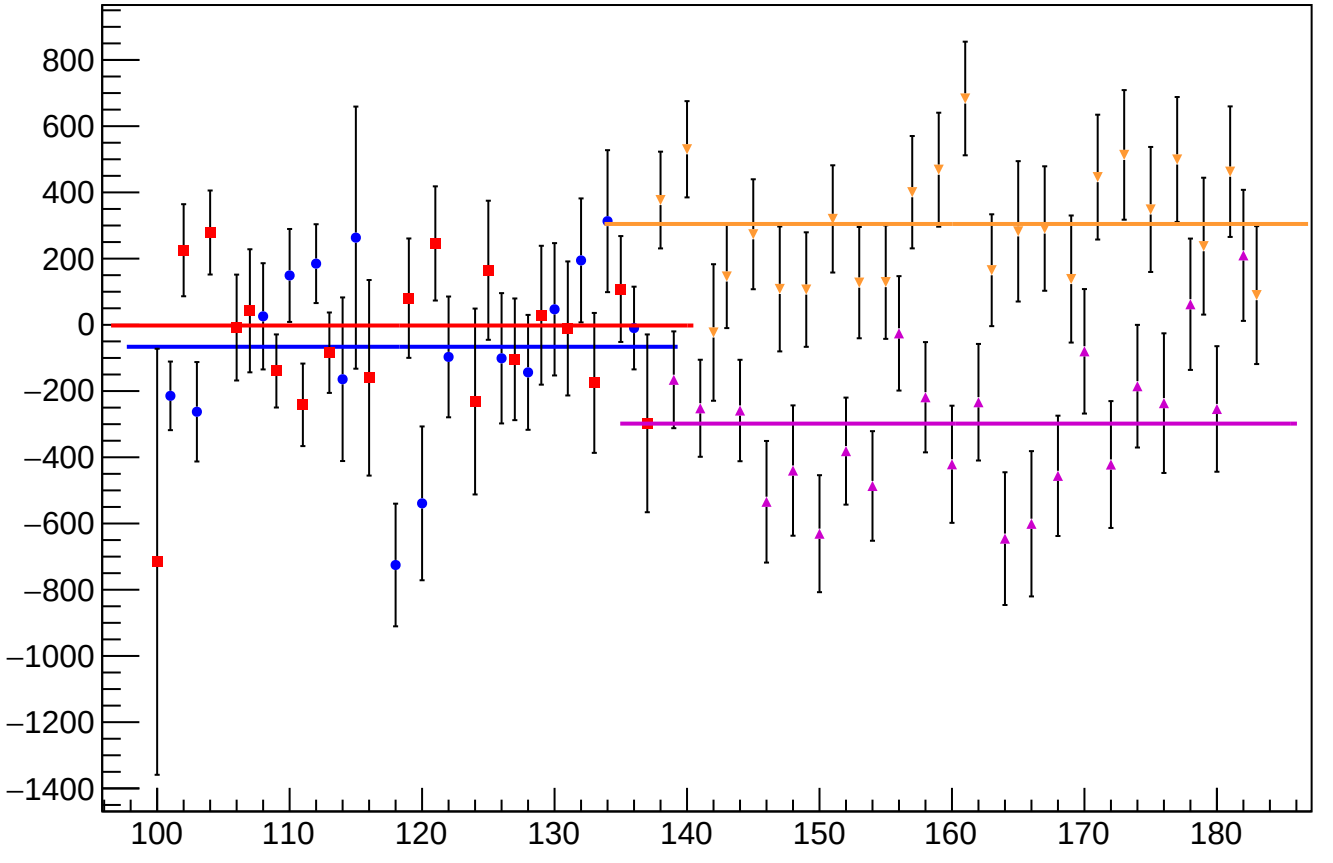
Left In: 0.000+/-0.000 χ^2/NDF:1303557.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 2511877.0/39

All: 0.000+/-0.000 χ^2/NDF: 6456793.6/80

- sign 0.000+/-0.000 χ^2/NDF: 3944276.9/40

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 304.671+/-36.226 χ^2/NDF:23.0/23

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

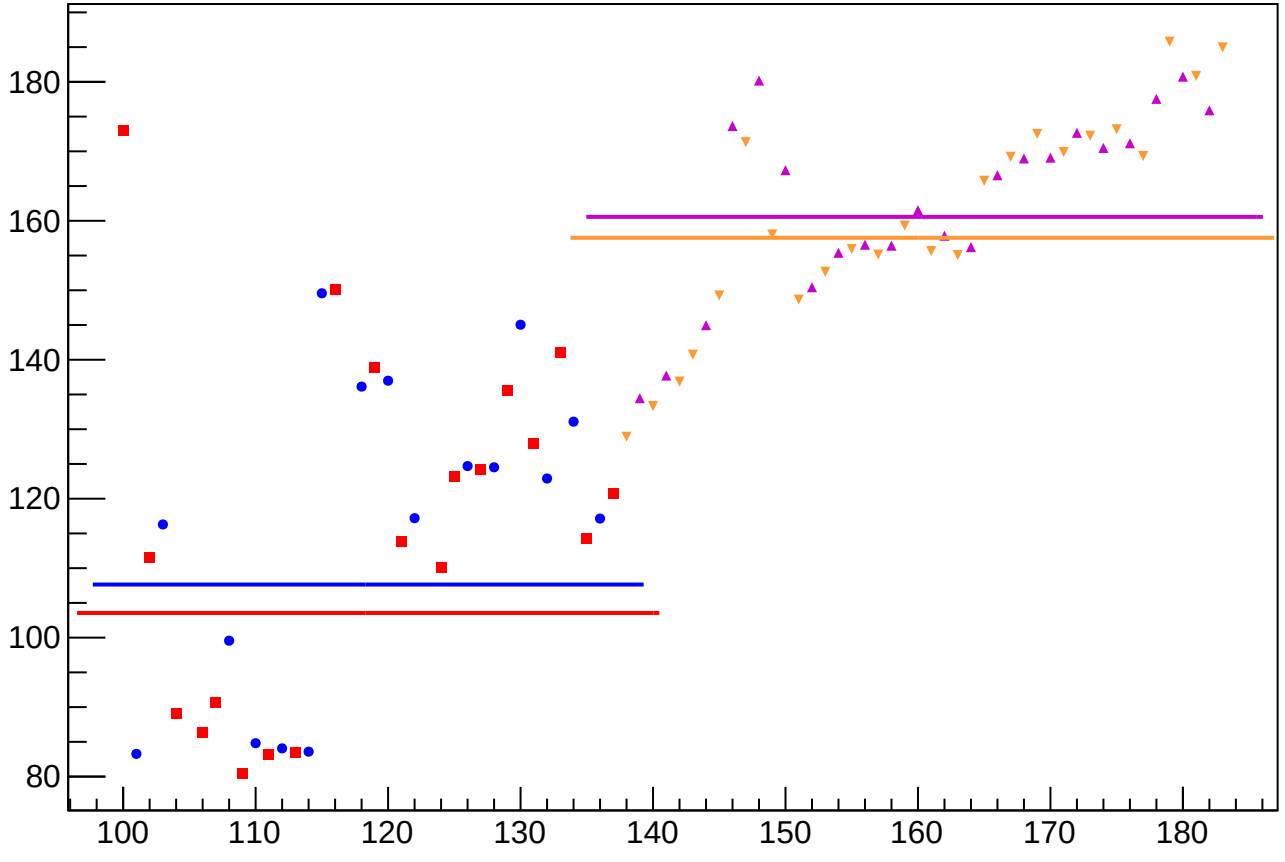
Left In: -298.308+/-37.961 χ^2/NDF:29.4/21

+ sign 141.780+/-27.129 χ^2/NDF: 103.4/39

All: -5.787+/-19.193 χ^2/NDF: 243.0/80

- sign -153.655+/-27.157 χ^2/NDF: 80.3/40

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 157.555+/-0.026 χ^2/NDF:364700.9/23

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

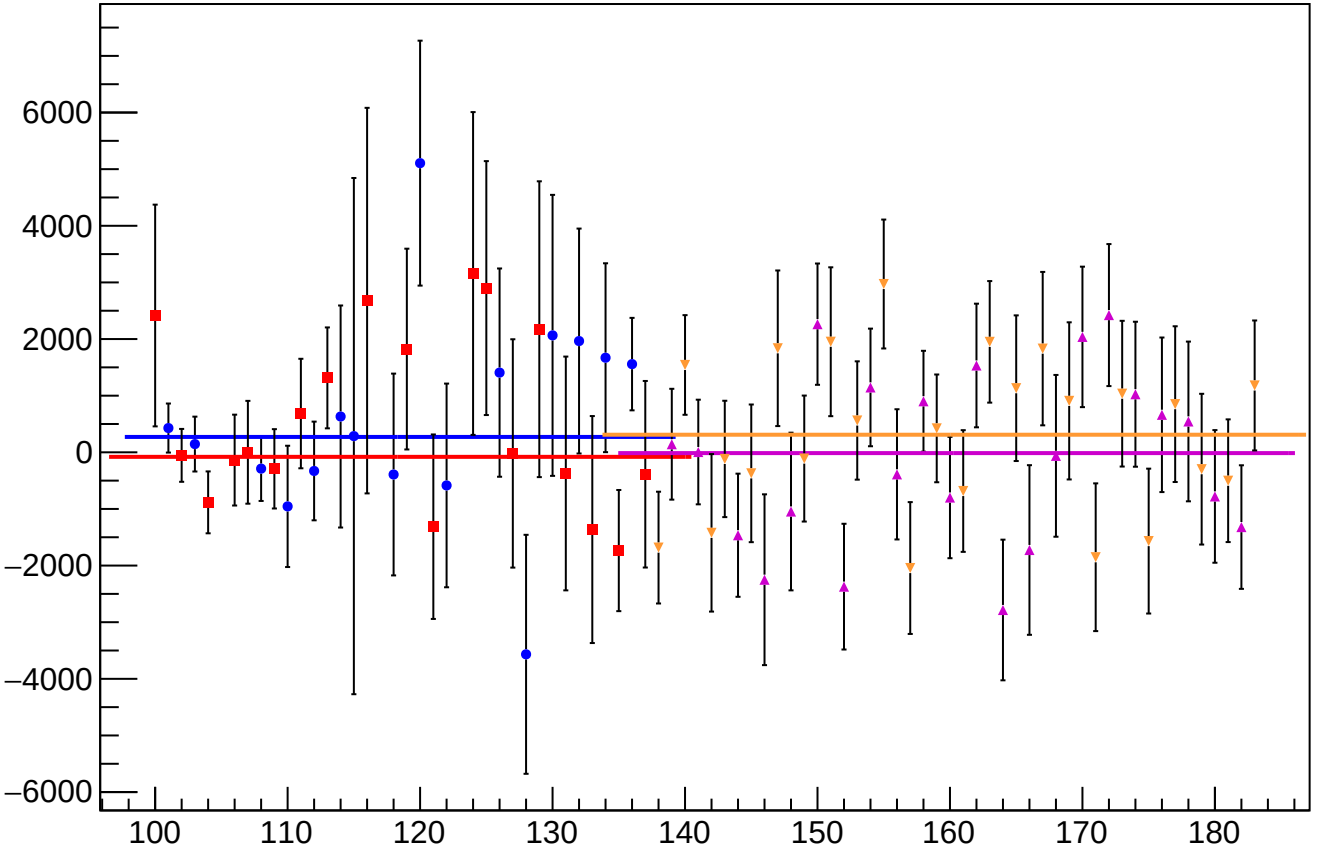
Left In: 160.566+/-0.027 χ^2/NDF:257597.0/21

+ sign 135.635+/-0.019 χ^2/NDF: 2564791.2/39

All: 134.184+/-0.014 χ^2/NDF: 5653956.3/80

- sign 132.730+/-0.019 χ^2/NDF: 3077709.9/40

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 310.582+/-236.893 χ^2/NDF:32.4/23

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

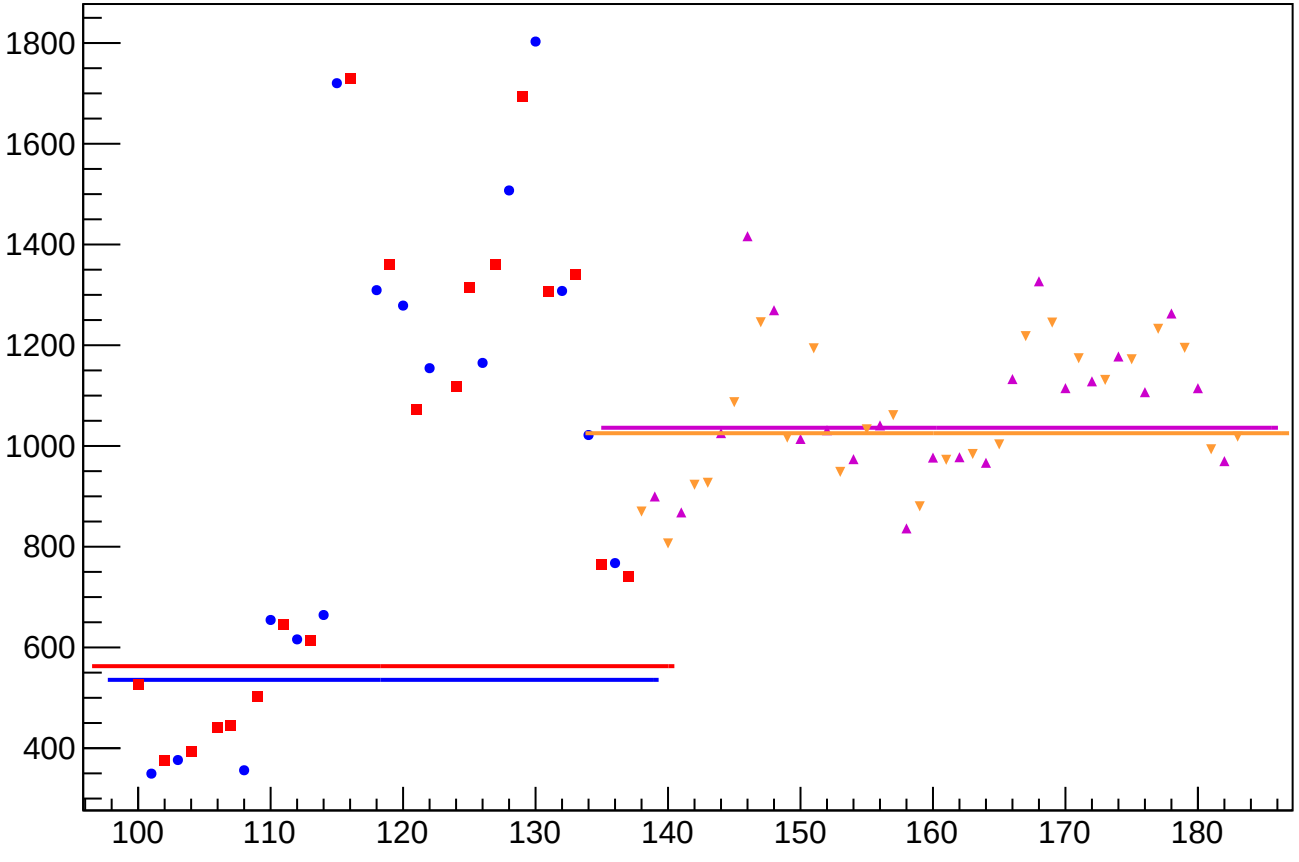
Left In: -13.971+/-246.601 χ^2/NDF:34.3/21

+ sign 290.523+/-165.262 χ^2/NDF: 48.9/39

All: 124.580+/-118.169 χ^2/NDF: 101.3/80

- sign -49.026+/-169.035 χ^2/NDF: 50.3/40

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1025.331+/-0.168 χ^2/NDF:595986.3/23

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

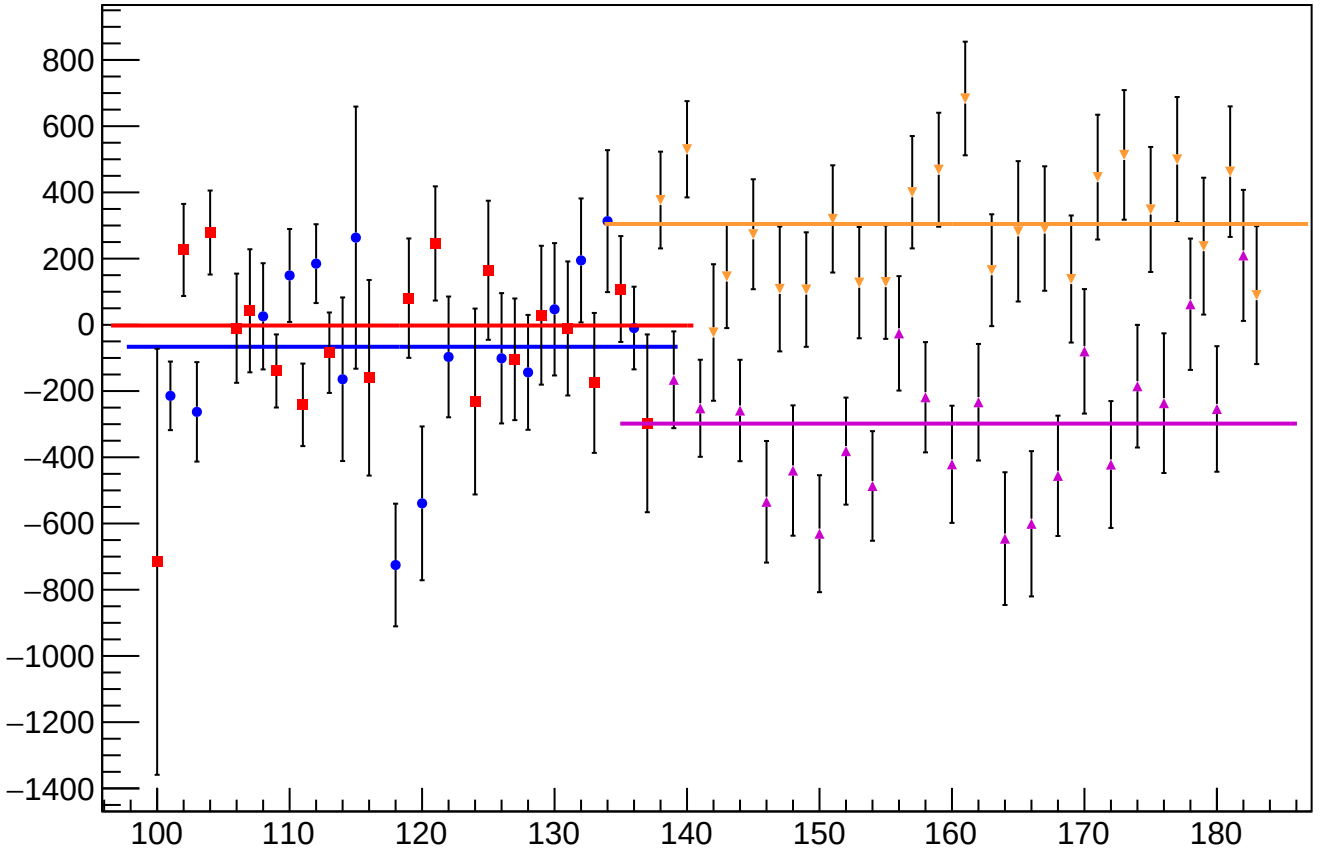
Left In: 1036.171+/-0.174 χ^2/NDF:623409.4/21

+ sign 773.983+/-0.117 χ^2/NDF: 8614528.1/39

All: 779.484+/-0.084 χ^2/NDF: 16259739.7/80

- sign 785.238+/-0.120 χ^2/NDF: 7640678.4/40

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 304.669+/-36.226 χ^2/NDF:23.0/23

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

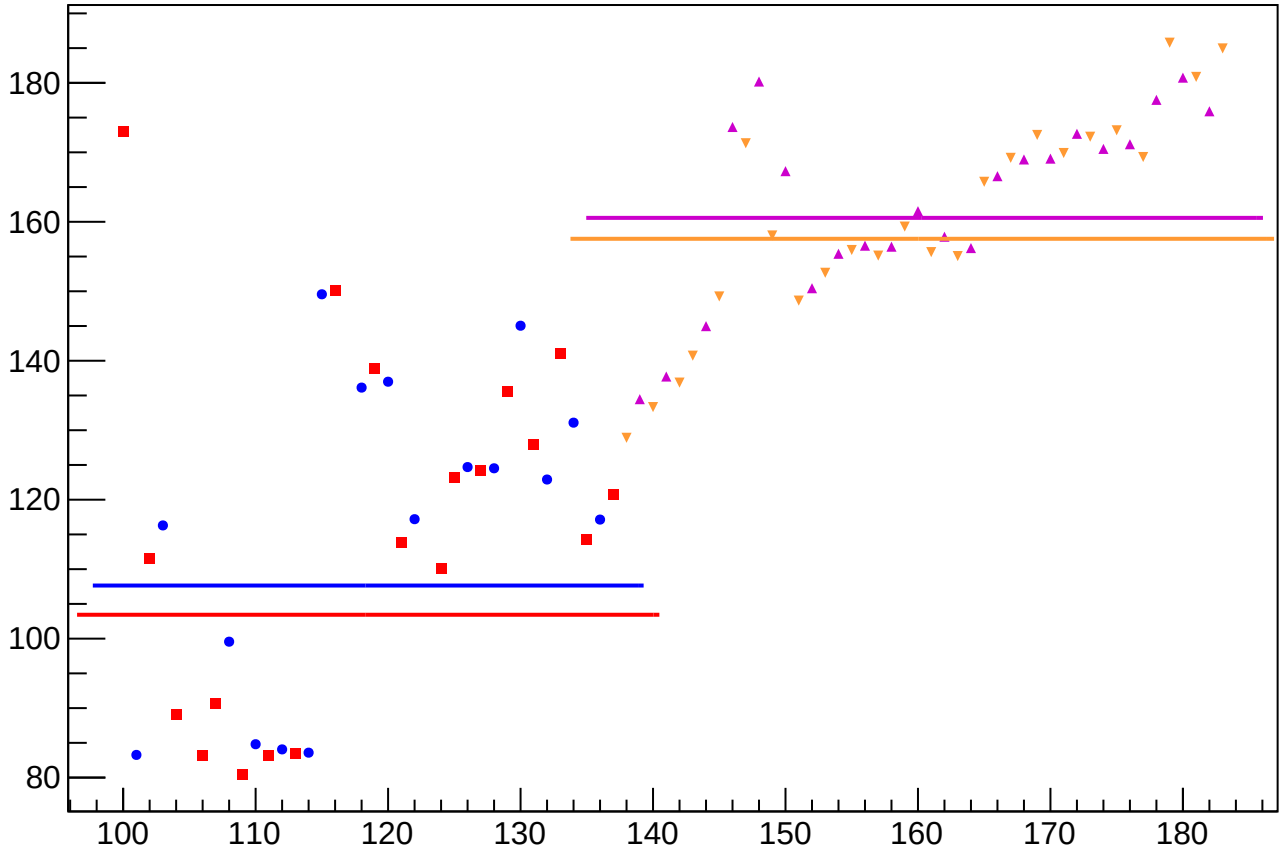
Left In: -298.314+/-37.961 χ^2/NDF:29.4/21

+ sign 141.767+/-27.129 χ^2/NDF: 103.4/39

All: -5.809+/-19.201 χ^2/NDF: 243.0/80

- sign -153.947+/-27.181 χ^2/NDF: 80.2/40

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 157.555+/-0.026 χ^2/NDF:364700.9/23

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

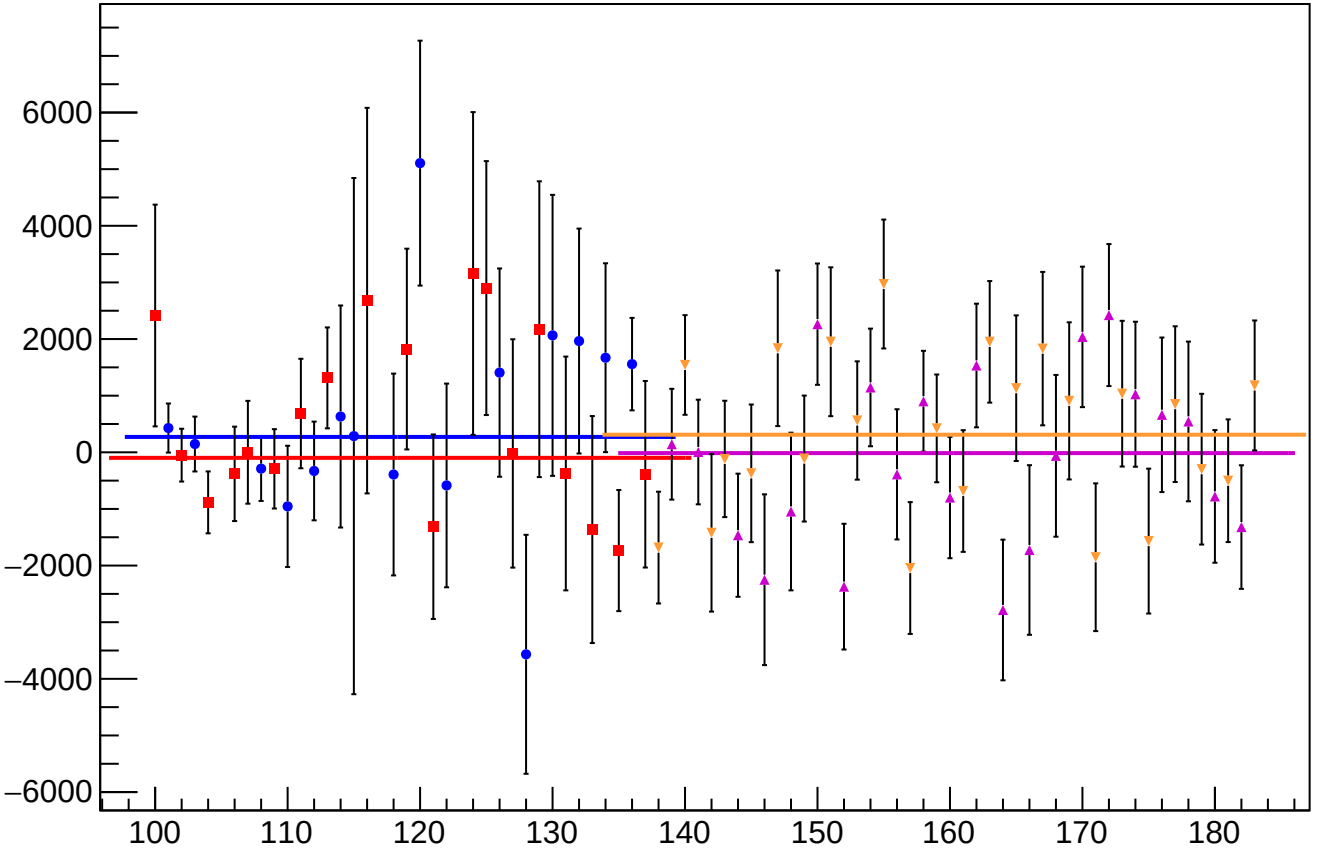
Left In: 160.566+/-0.027 χ^2/NDF:257597.0/21

+ sign 135.635+/-0.019 χ^2/NDF: 2564788.2/39

All: 134.184+/-0.014 χ^2/NDF: 5665959.5/80

- sign 132.727+/-0.019 χ^2/NDF: 3089700.4/40

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 310.586+/-236.893 χ^2/NDF:32.4/23

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

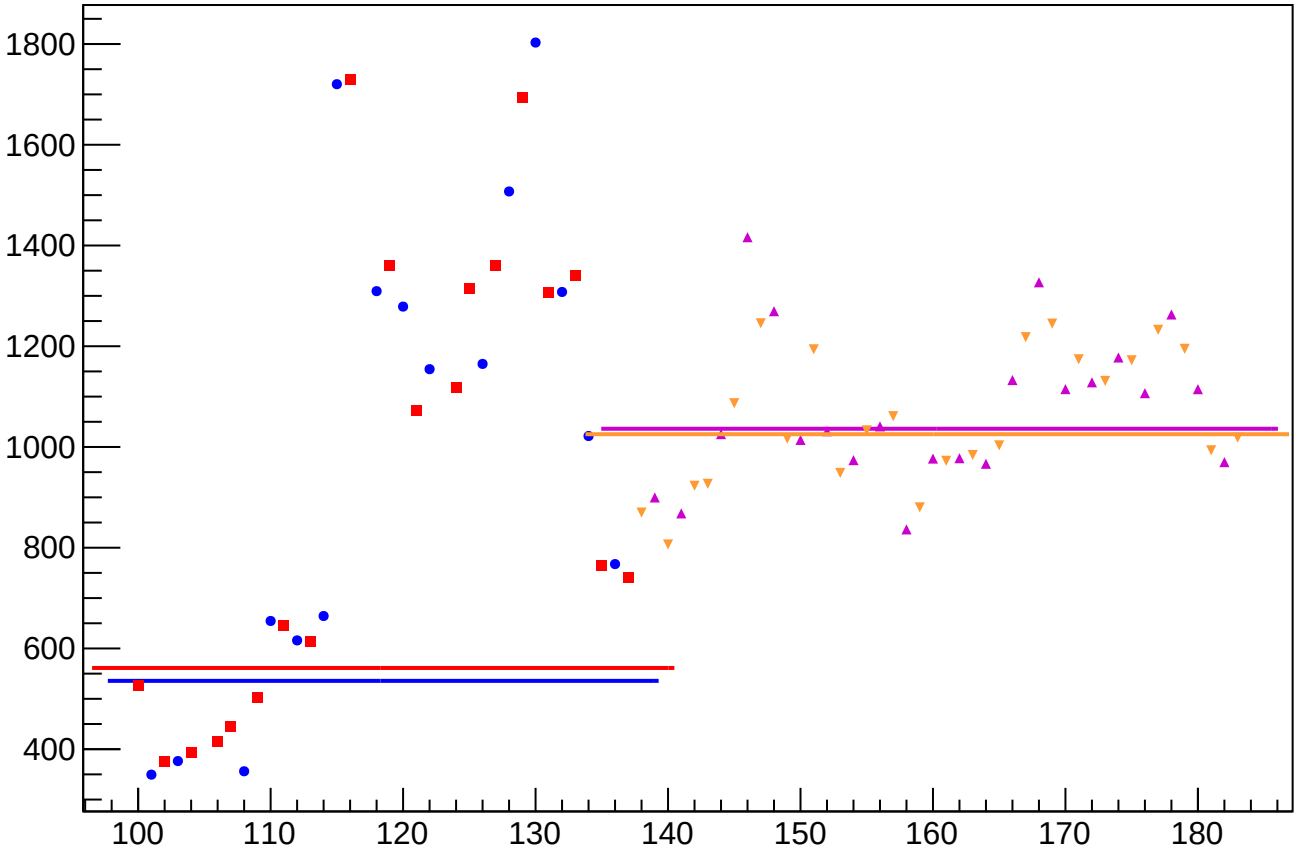
Left In: -13.972+/-246.601 χ^2/NDF:34.3/21

+ sign 290.596+/-165.259 χ^2/NDF: 48.9/39

All: 120.324+/-118.251 χ^2/NDF: 101.5/80

- sign -58.326+/-169.276 χ^2/NDF: 50.5/40

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1025.331+/-0.168 χ^2/NDF:595985.6/23

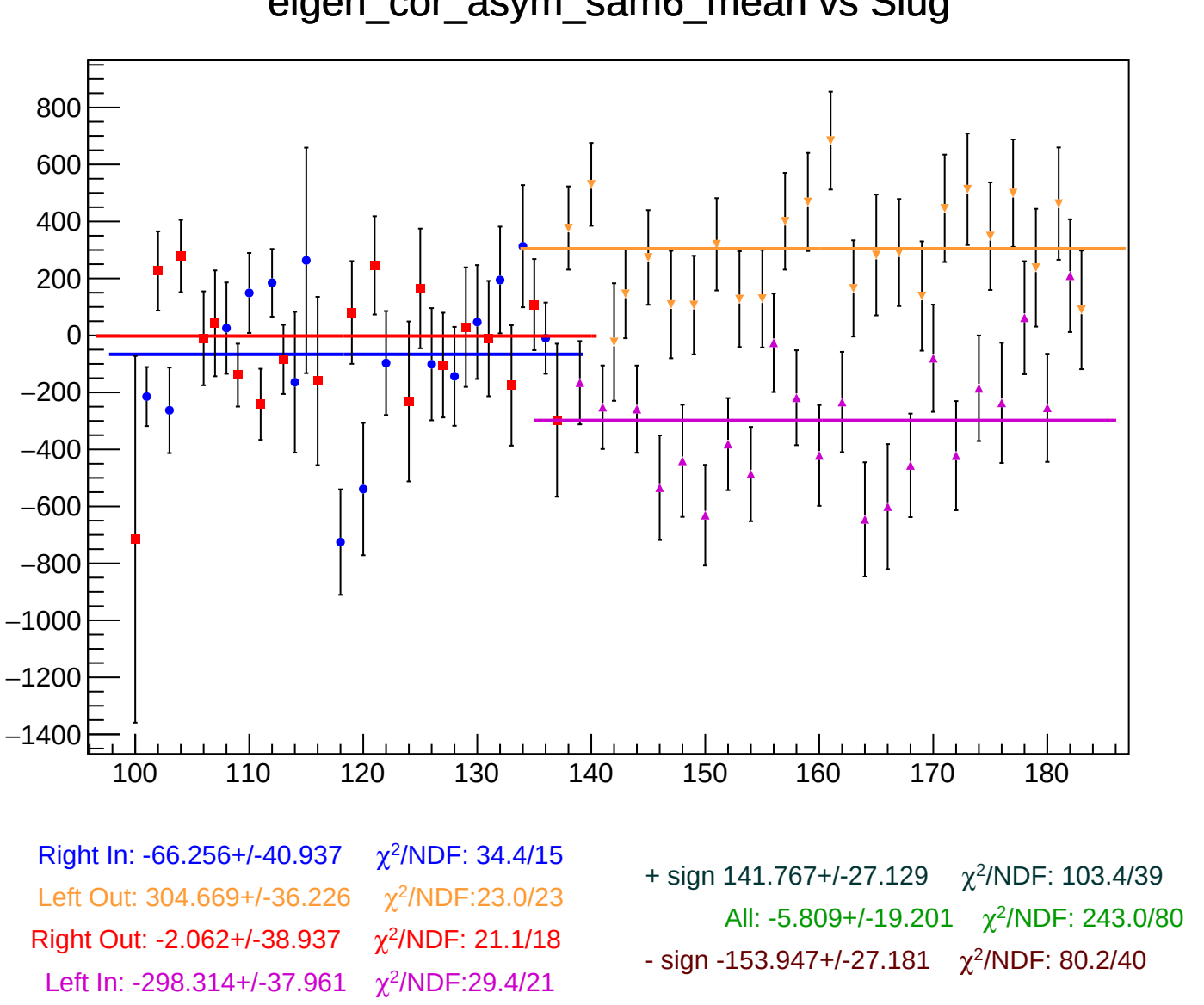
Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1036.172+/-0.174 χ^2/NDF:623406.1/21

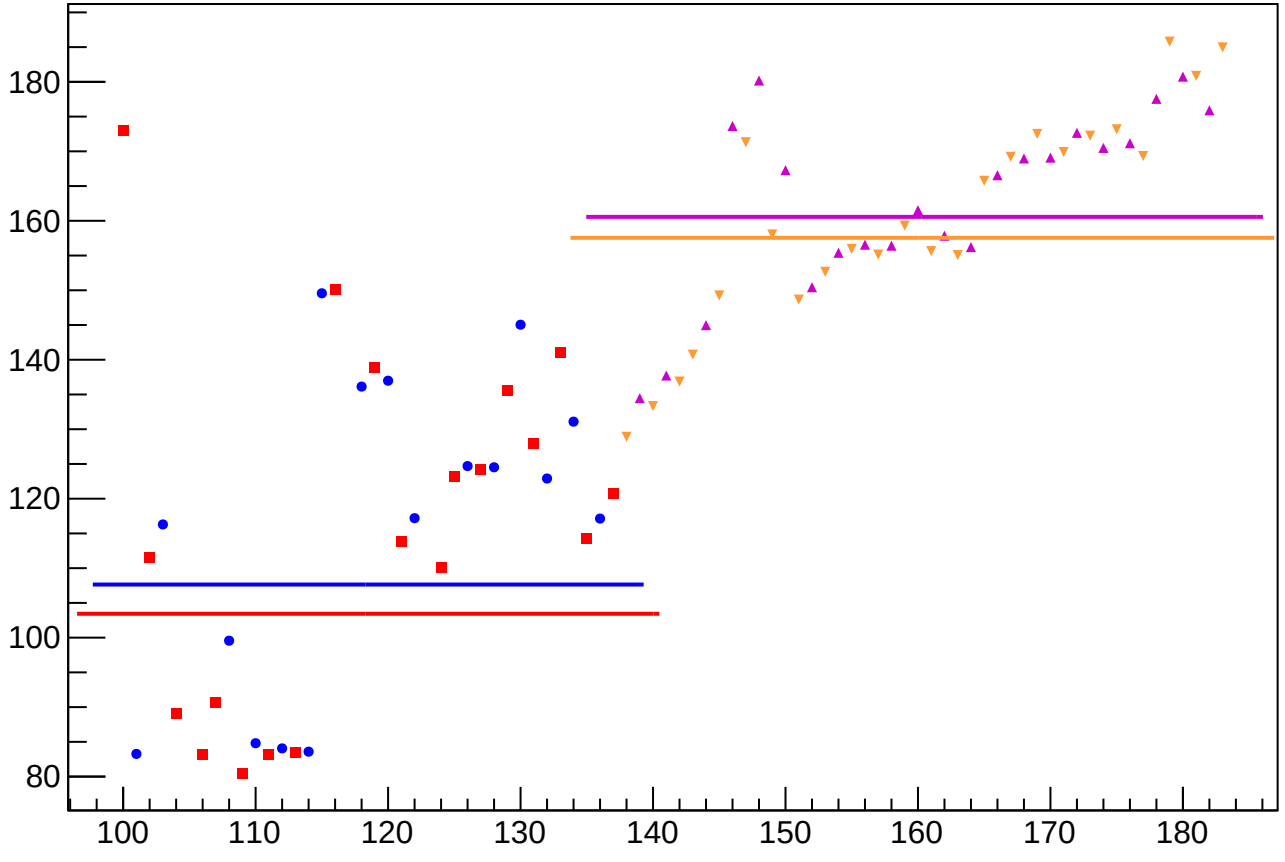
+ sign 773.965+/-0.117 χ^2/NDF: 8615251.0/39

All: 779.370+/-0.084 χ^2/NDF: 16296123.8/80

- sign 785.041+/-0.120 χ^2/NDF: 7676488.7/40


eigen_cor_asym_sam6_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
160
170
180
Right In: -66.256+/-40.937 χ²/NDF: 34.4/15
Left Out: 304.669+/-36.226 χ²/NDF:23.0/23
Right Out: -2.062+/-38.937 χ²/NDF: 21.1/18
Left In: -298.314+/-37.961 χ²/NDF:29.4/21
+ sign 141.767+/-27.129 χ²/NDF: 103.4/39
All: -5.809+/-19.201 χ²/NDF: 243.0/80
- sign -153.947+/-27.181 χ²/NDF: 80.2/40

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 157.555+/-0.026 χ^2/NDF:364700.9/23

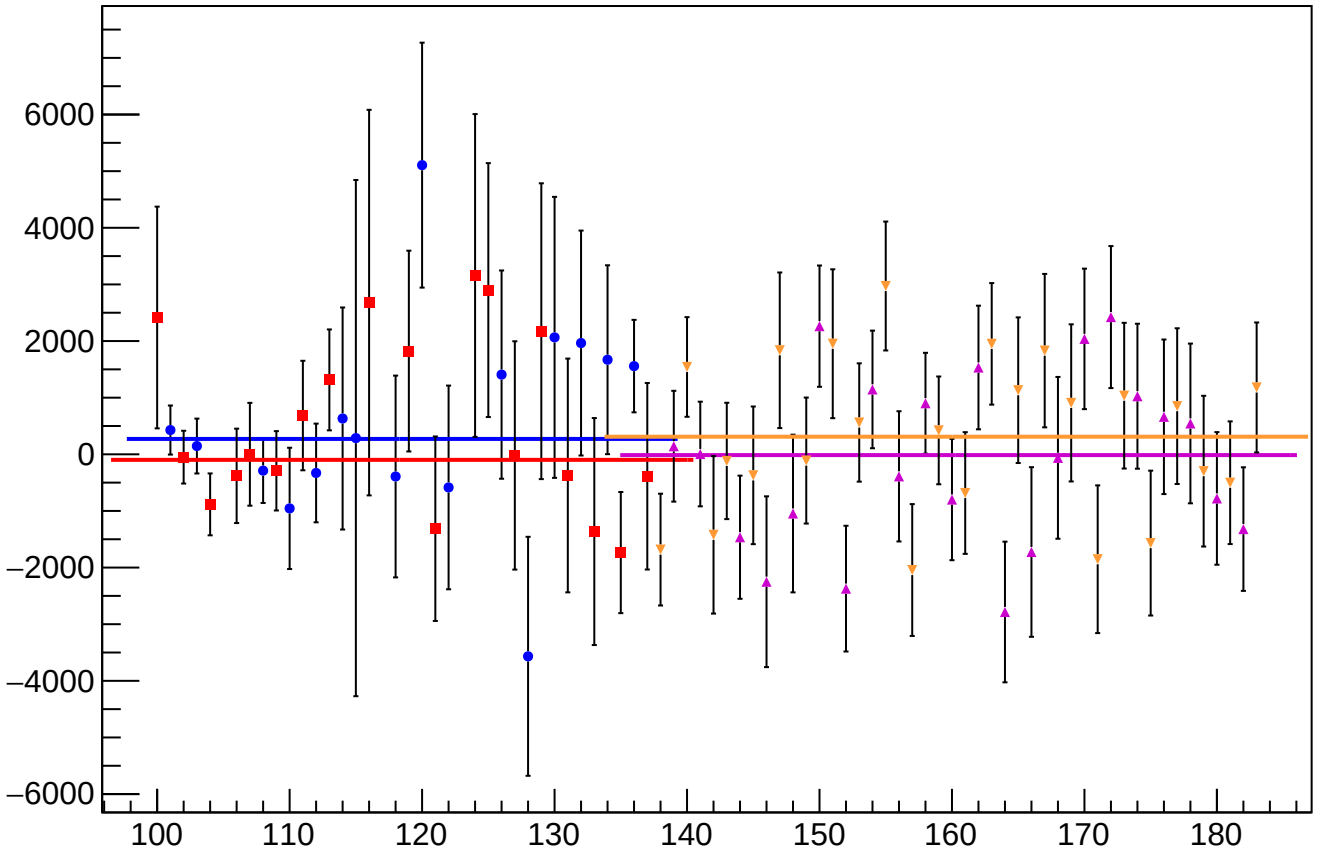
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 160.566+/-0.027 χ^2/NDF:257597.0/21

+ sign 135.635+/-0.019 χ^2/NDF: 2564788.2/39

All: 134.184+/-0.014 χ^2/NDF: 5665959.5/80

- sign 132.727+/-0.019 χ^2/NDF: 3089700.4/40



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 310.586+/-236.893 χ^2/NDF:32.4/23

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

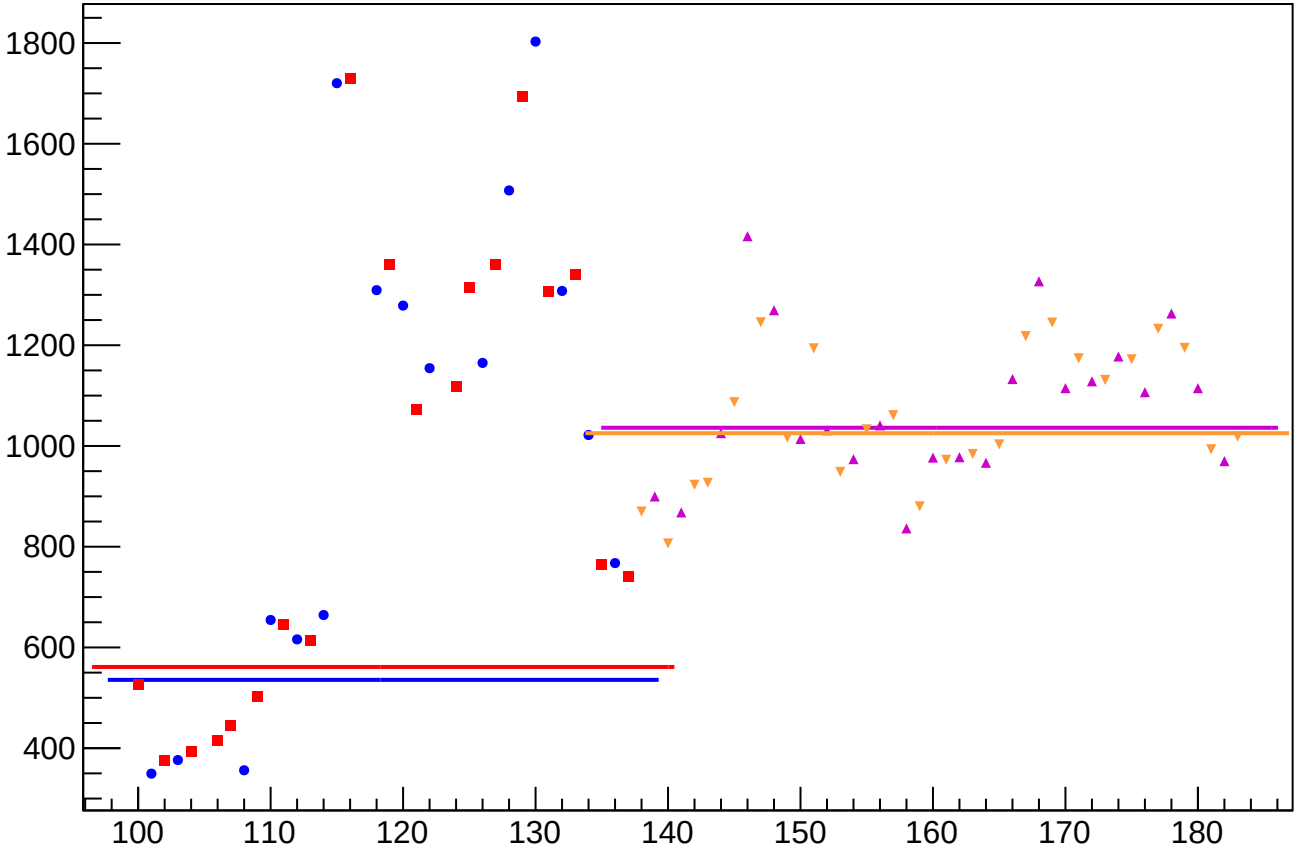
Left In: -13.972+/-246.601 χ^2/NDF:34.3/21

+ sign 290.596+/-165.259 χ^2/NDF: 48.9/39

All: 120.324+/-118.251 χ^2/NDF: 101.5/80

- sign -58.326+/-169.276 χ^2/NDF: 50.5/40

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1025.331+/-0.168 χ^2/NDF:595985.6/23

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

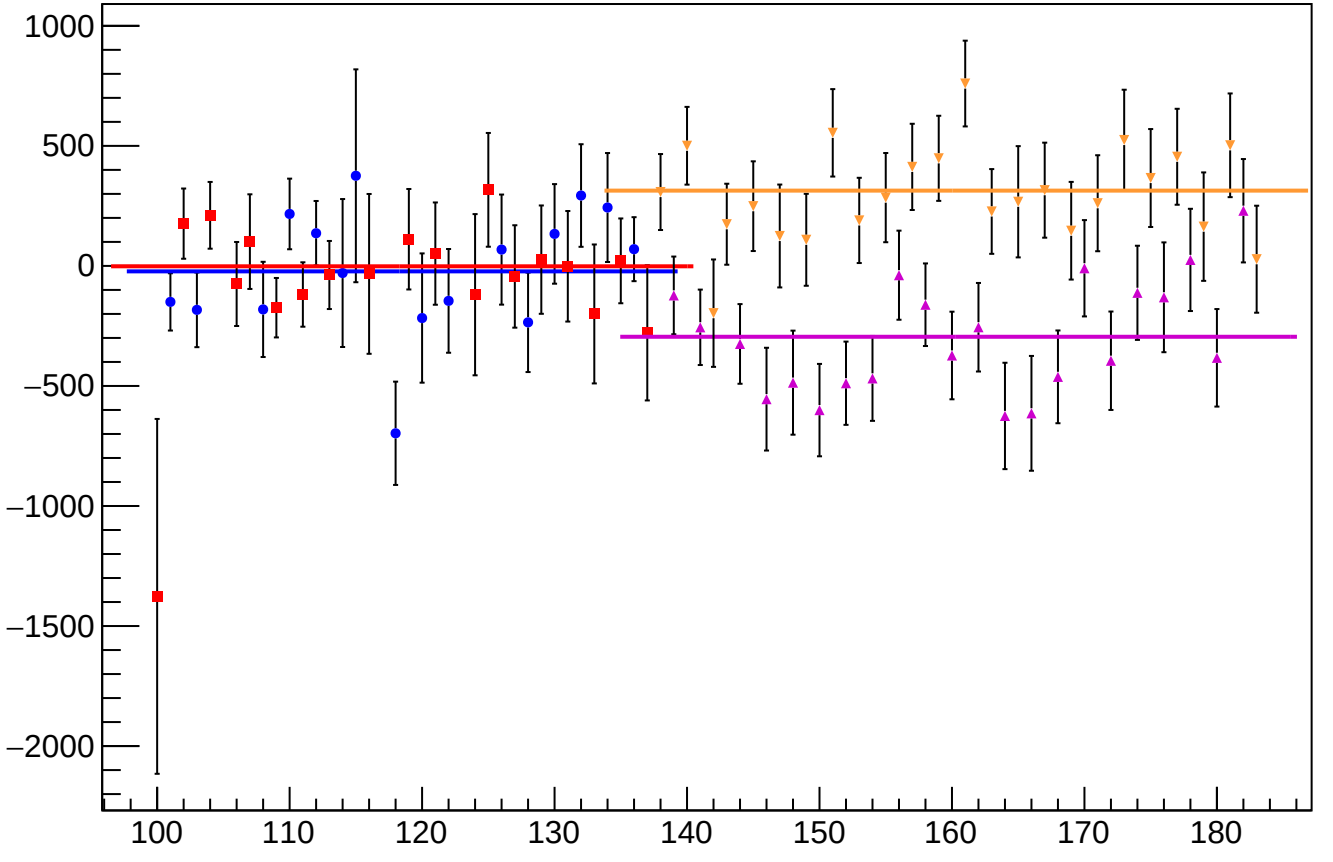
Left In: 1036.172+/-0.174 χ^2/NDF:623406.1/21

+ sign 773.965+/-0.117 χ^2/NDF: 8615251.0/39

All: 779.370+/-0.084 χ^2/NDF: 16296123.8/80

- sign 785.041+/-0.120 χ^2/NDF: 7676488.7/40

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 313.672+/-39.091 χ^2/NDF:24.1/23

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

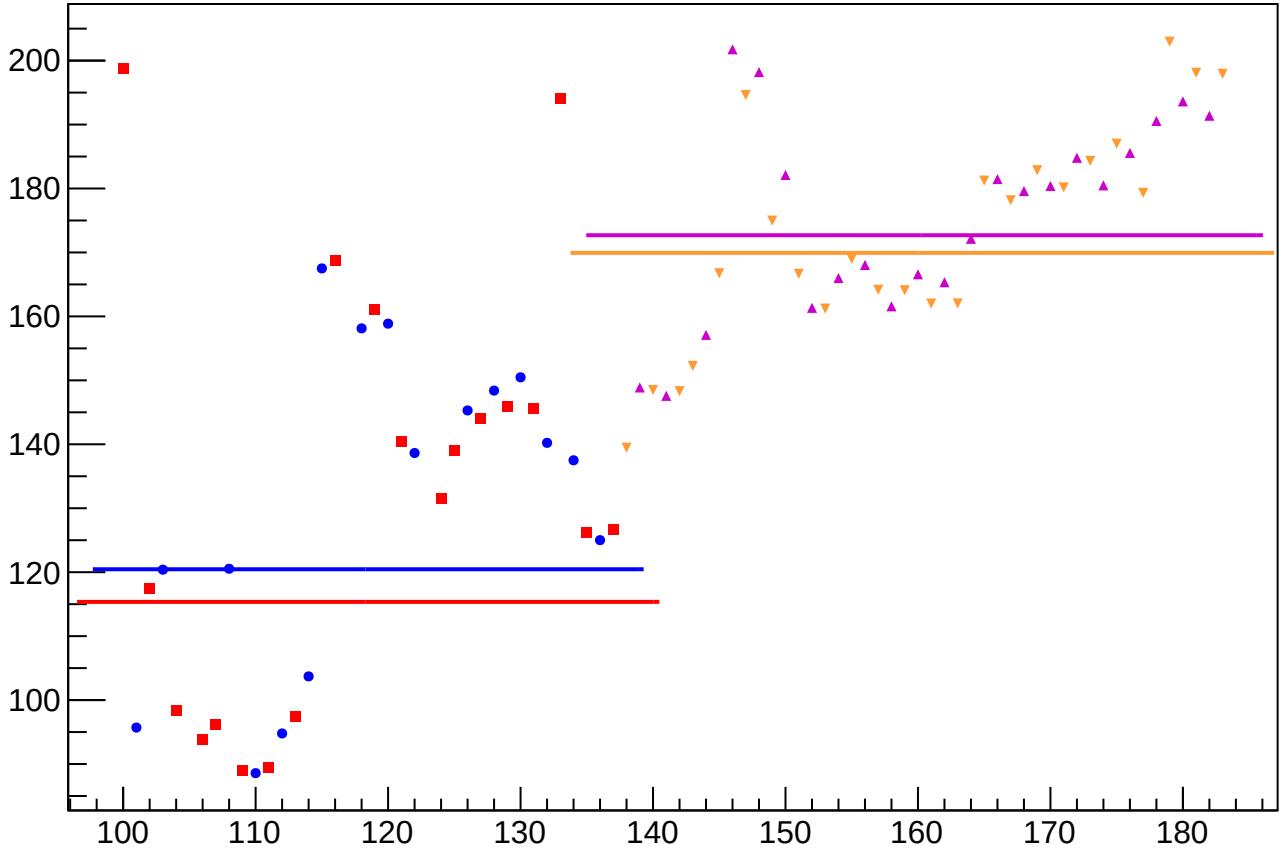
Left In: -295.110+/-40.859 χ^2/NDF:27.7/21

+ sign 172.303+/-29.763 χ^2/NDF: 79.4/39

All: 7.495+/-21.059 χ^2/NDF: 207.0/80

- sign -157.747+/-29.802 χ^2/NDF: 66.2/40

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 169.937+/-0.028 χ^2/NDF:353887.0/23

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

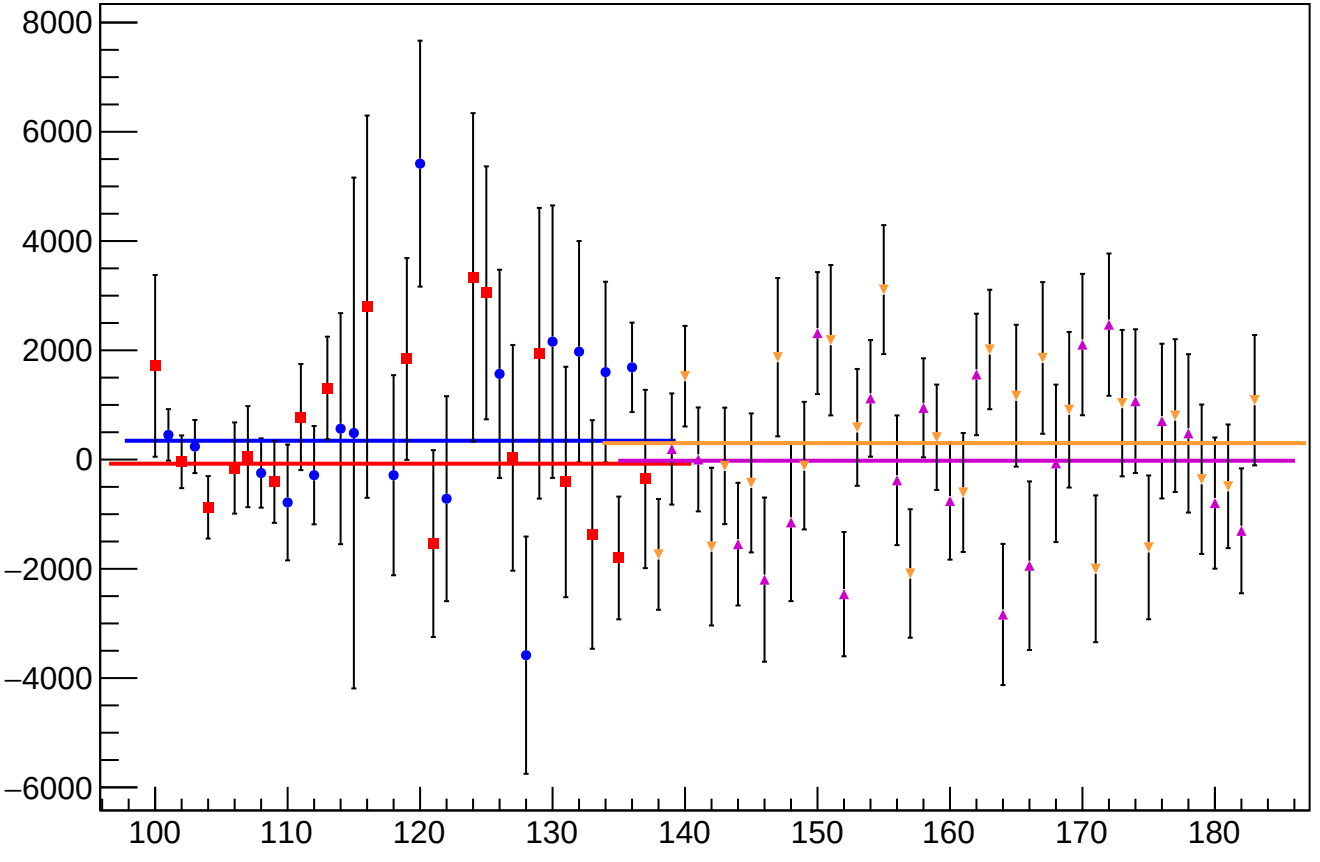
Left In: 172.692+/-0.029 χ^2/NDF:283014.5/21

\+ sign 149.141+/-0.021 χ^2/NDF: 2230967.7/39

All: 147.502+/-0.015 χ^2/NDF: 5136455.5/80

\- sign 145.859+/-0.021 χ^2/NDF: 2893345.6/40

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 301.068+/-244.262 χ^2/NDF:32.7/23

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

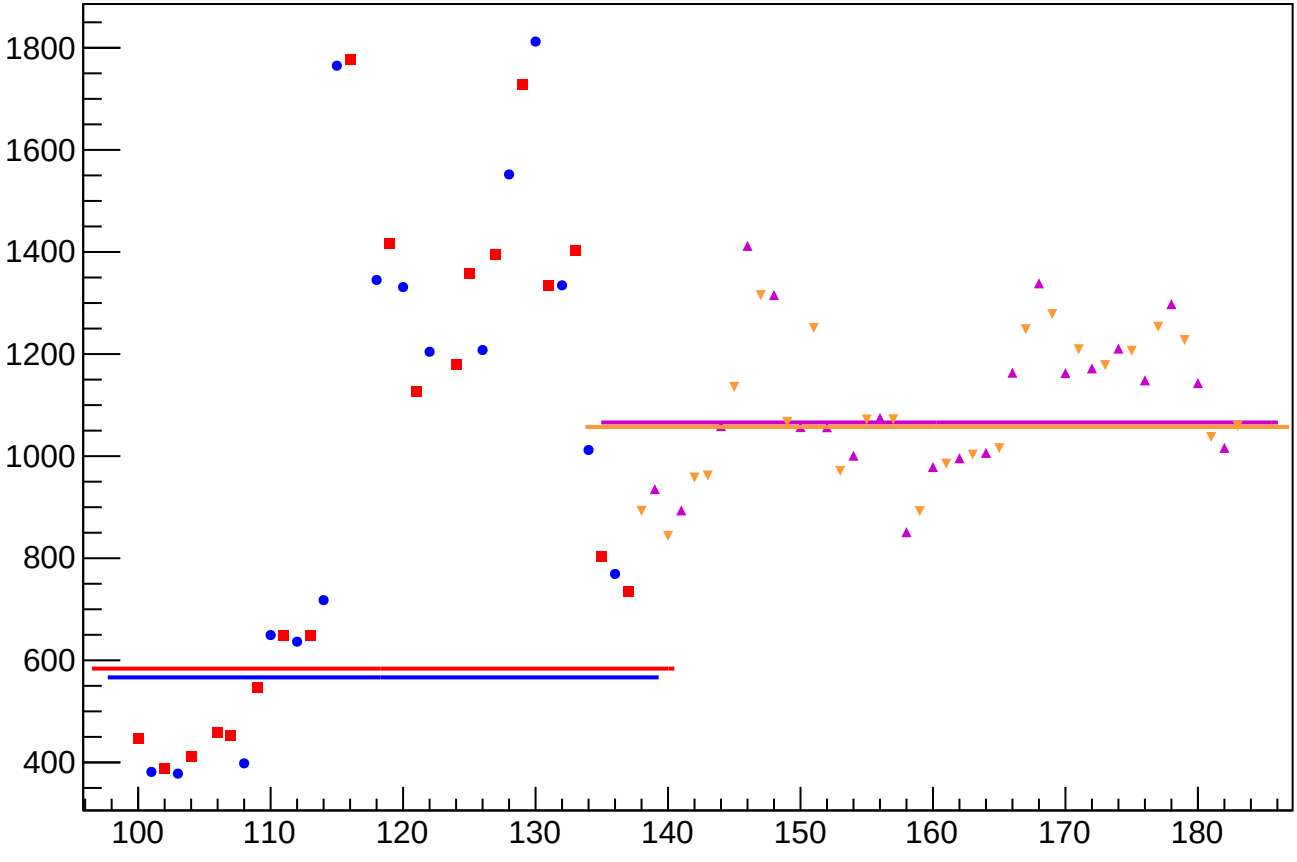
Left In: -21.331+/-253.663 χ^2/NDF:33.9/21

+ sign 322.996+/-171.746 χ^2/NDF: 49.0/39

All: 139.572+/-122.411 χ^2/NDF: 100.4/80

- sign -49.825+/-174.519 χ^2/NDF: 49.1/40

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1057.165+/-0.173 χ^2/NDF:609164.5/23

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

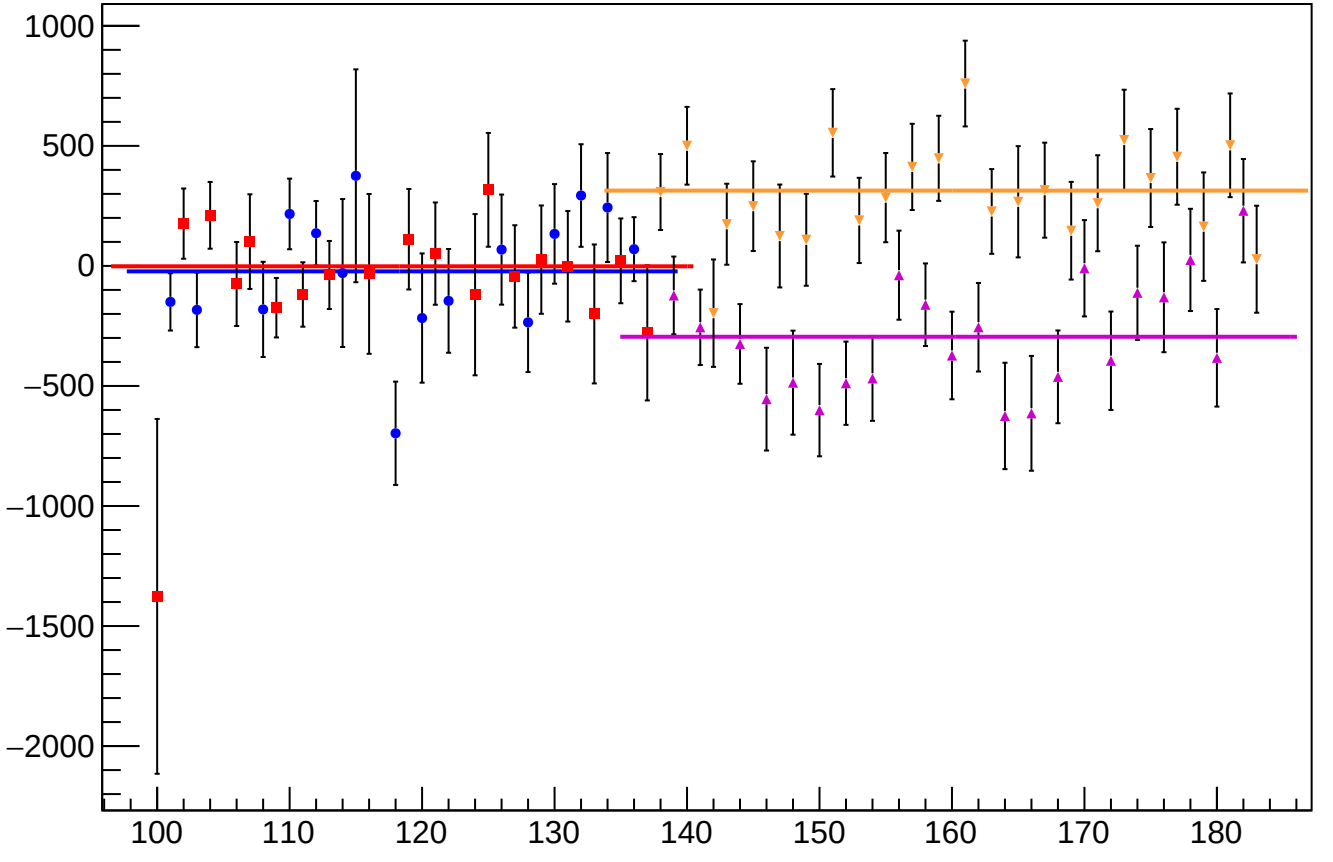
Left In: 1066.014+/-0.179 χ^2/NDF:608181.8/21

+ sign 809.127+/-0.121 χ^2/NDF: 8120374.3/39

All: 810.564+/-0.087 χ^2/NDF: 15642951.4/80

- sign 812.047+/-0.123 χ^2/NDF: 7522292.6/40

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 313.673+/-39.090 χ^2/NDF:24.1/23

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

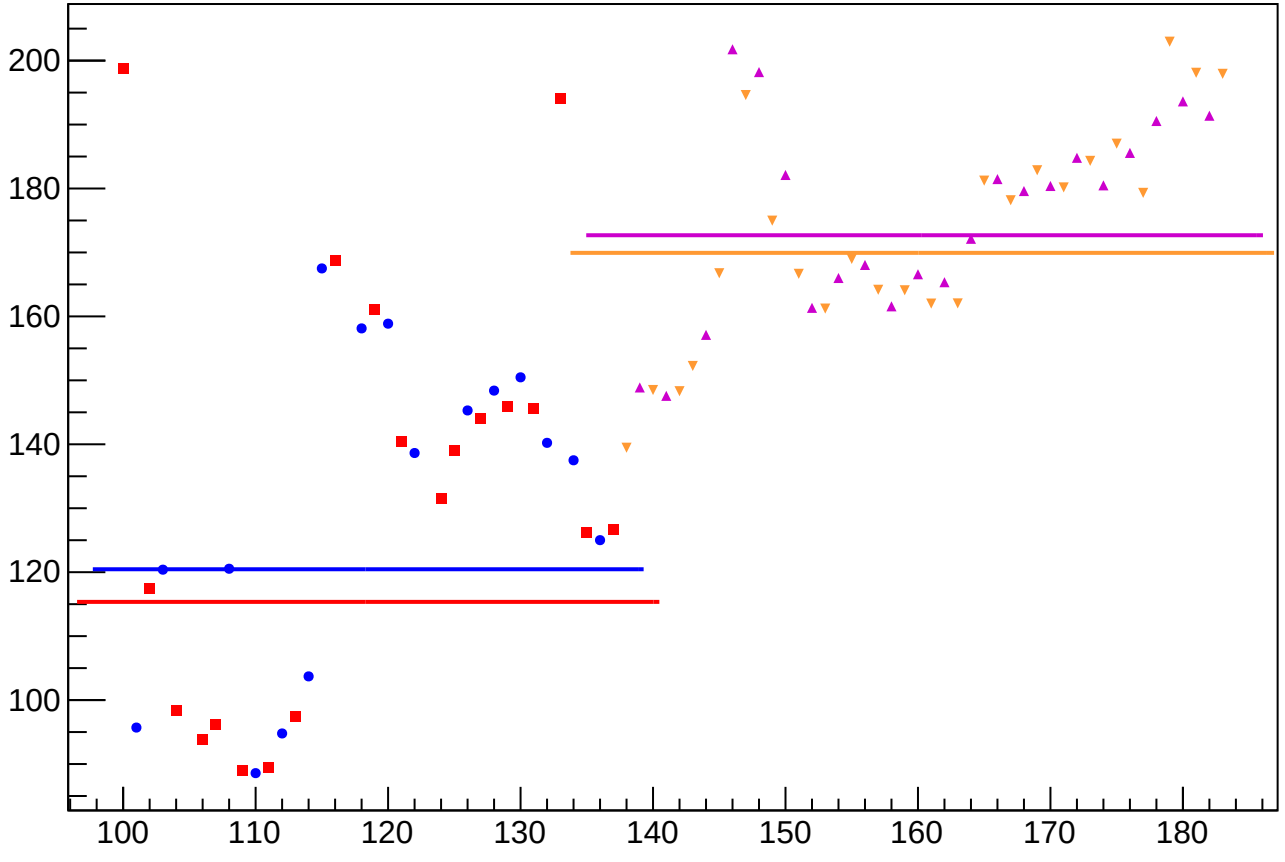
Left In: -295.110+/-40.859 χ^2/NDF:27.7/21

+ sign 172.303+/-29.763 χ^2/NDF: 79.4/39

All: 7.494+/-21.059 χ^2/NDF: 207.0/80

- sign -157.747+/-29.802 χ^2/NDF: 66.2/40

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 169.937+/-0.028 χ^2/NDF:353887.6/23

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

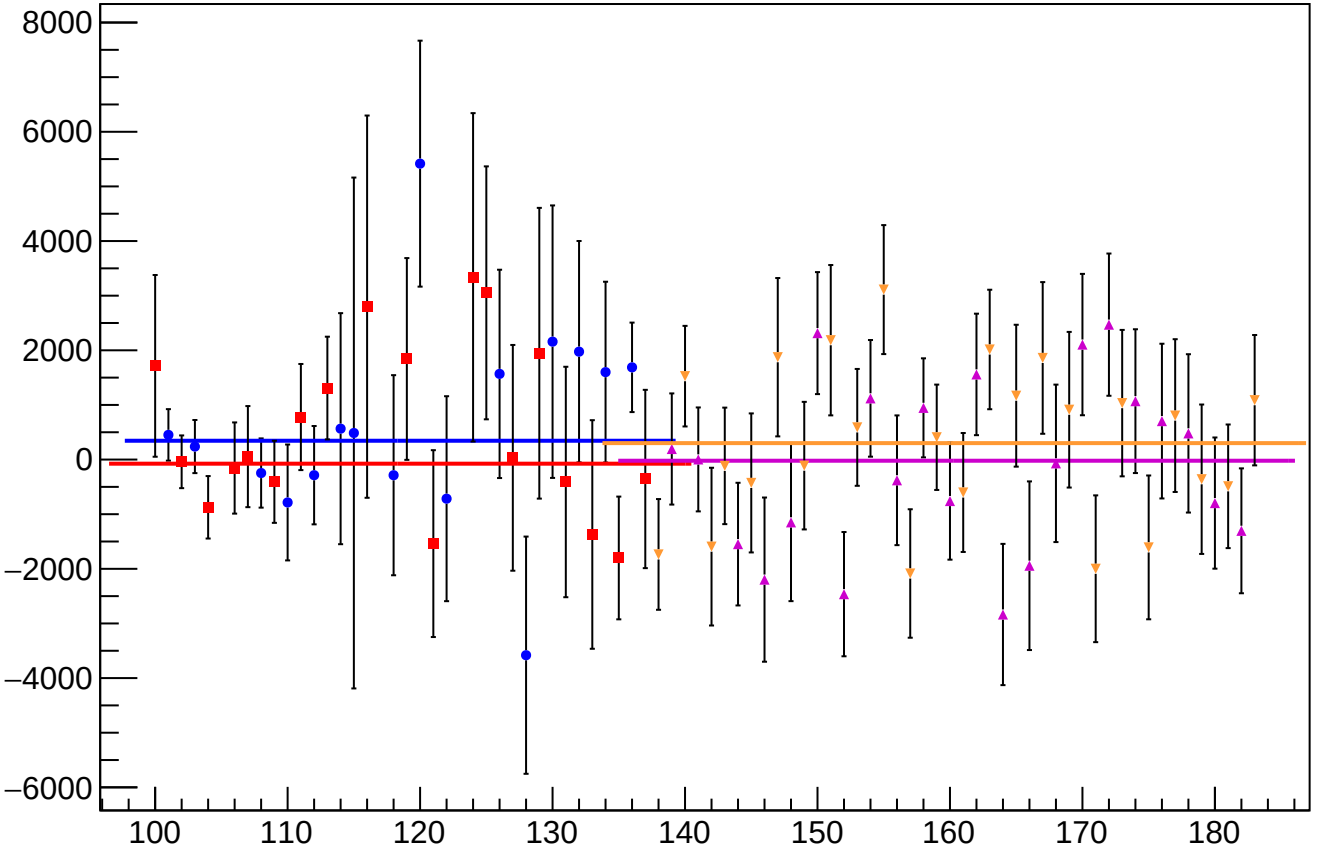
Left In: 172.692+/-0.029 χ^2/NDF:283014.9/21

\+ sign 149.141+/-0.021 χ^2/NDF: 2230979.8/39

All: 147.502+/-0.015 χ^2/NDF: 5136472.6/80

\- sign 145.859+/-0.021 χ^2/NDF: 2893350.8/40

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 301.069+/-244.262 χ^2/NDF:32.7/23

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

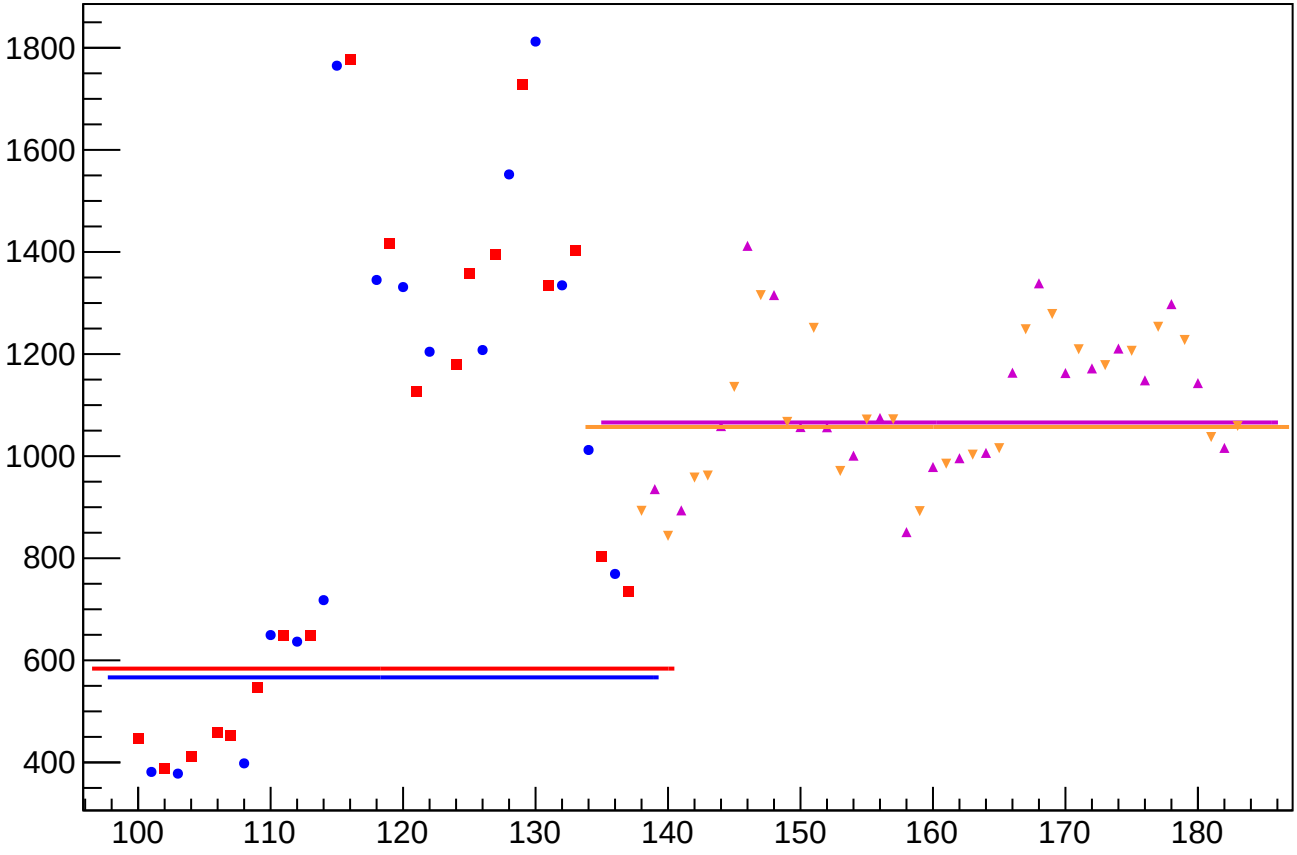
Left In: -21.330+/-253.663 χ^2/NDF:33.9/21

+ sign 322.996+/-171.746 χ^2/NDF: 49.0/39

All: 139.571+/-122.411 χ^2/NDF: 100.4/80

- sign -49.825+/-174.519 χ^2/NDF: 49.1/40

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1057.165+/-0.173 χ^2/NDF:609169.6/23

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

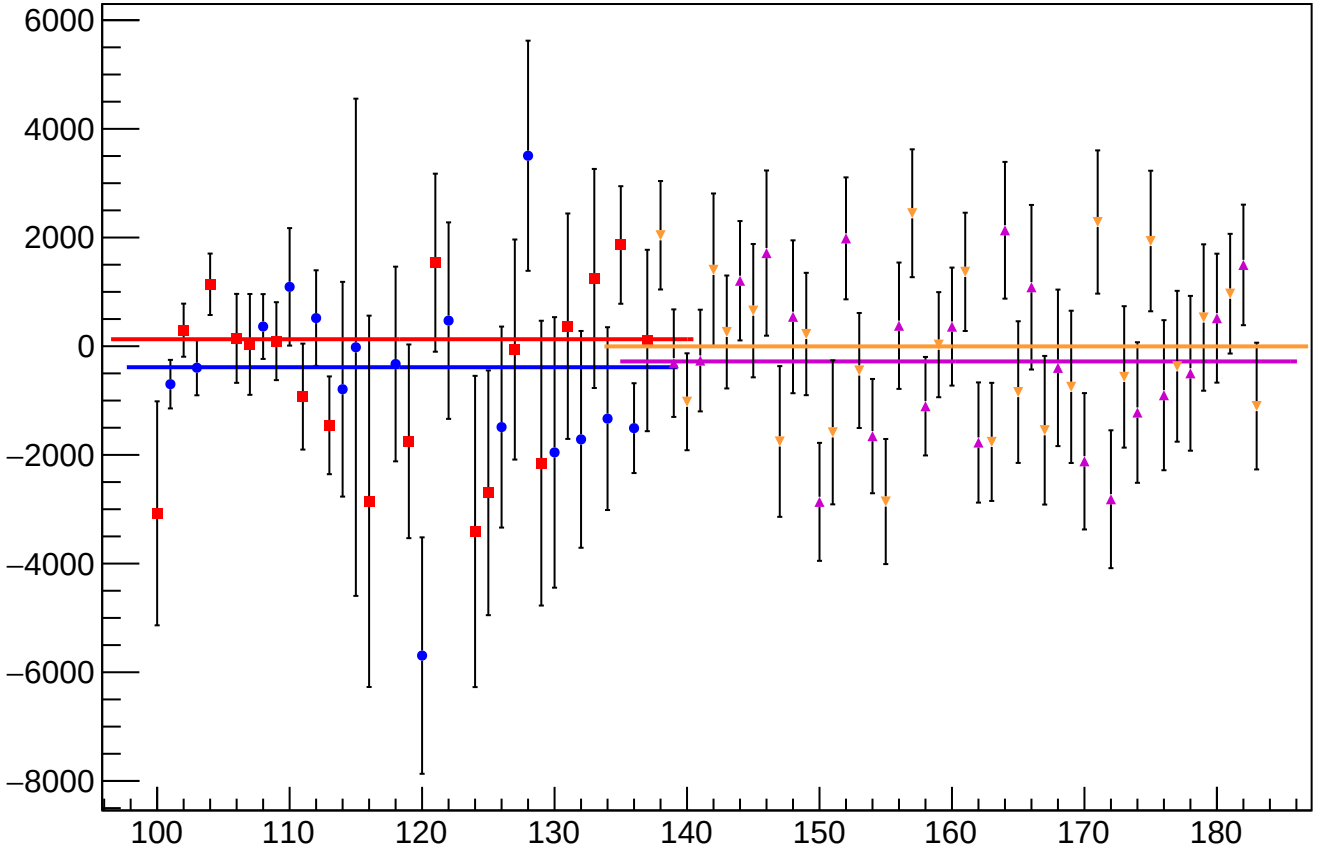
Left In: 1066.014+/-0.179 χ^2/NDF:608185.4/21

+ sign 809.126+/-0.121 χ^2/NDF: 8120403.2/39

All: 810.563+/-0.087 χ^2/NDF: 15642994.5/80

- sign 812.047+/-0.123 χ^2/NDF: 7522306.8/40

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -3.147+/-239.781 χ^2/NDF:34.1/23

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

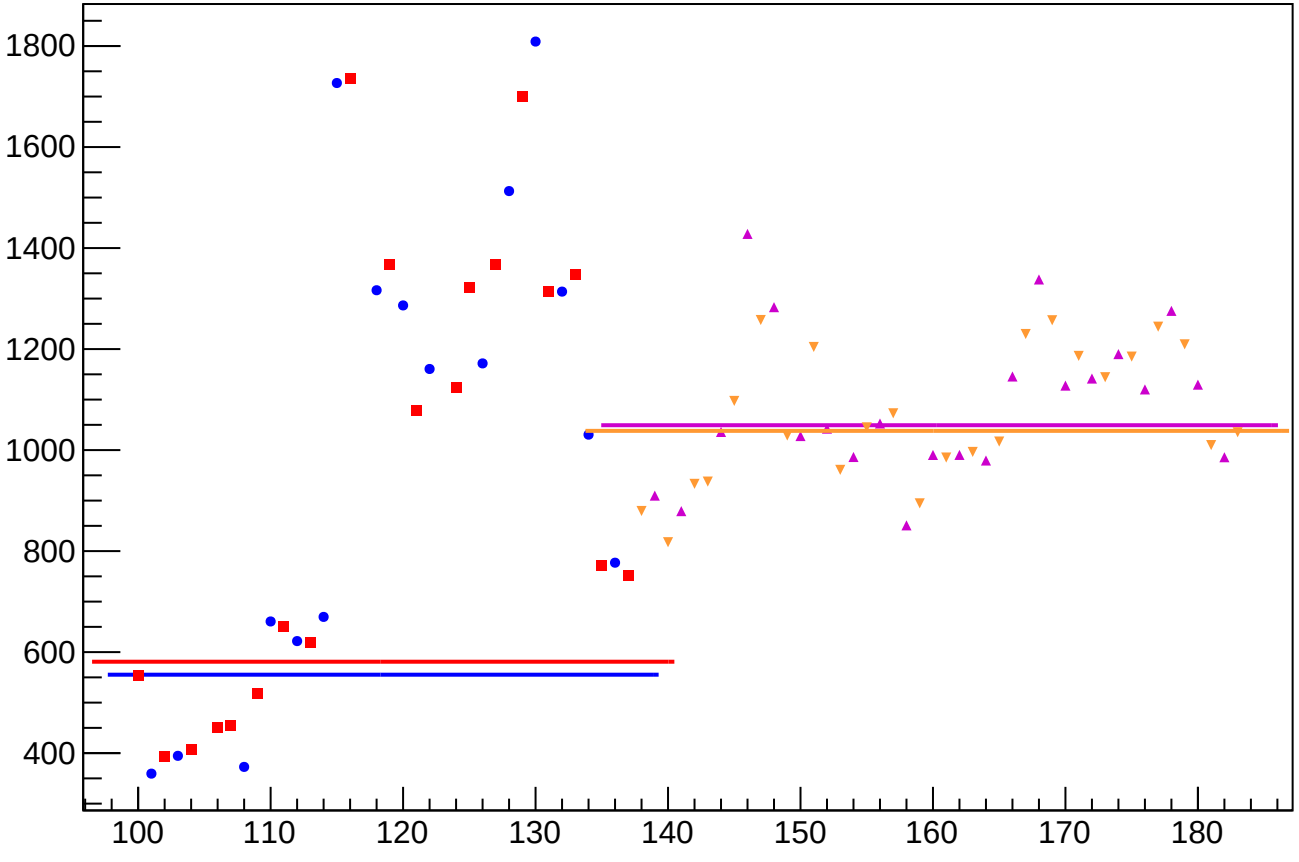
Left In: -279.944+/-249.646 χ^2/NDF:33.1/21

+ sign -196.647+/-168.747 χ^2/NDF: 53.3/39

All: -132.770+/-120.577 χ^2/NDF: 107.5/80

- sign -66.136+/-172.353 χ^2/NDF: 53.9/40

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1038.074+/-0.170 χ^2/NDF:584210.6/23

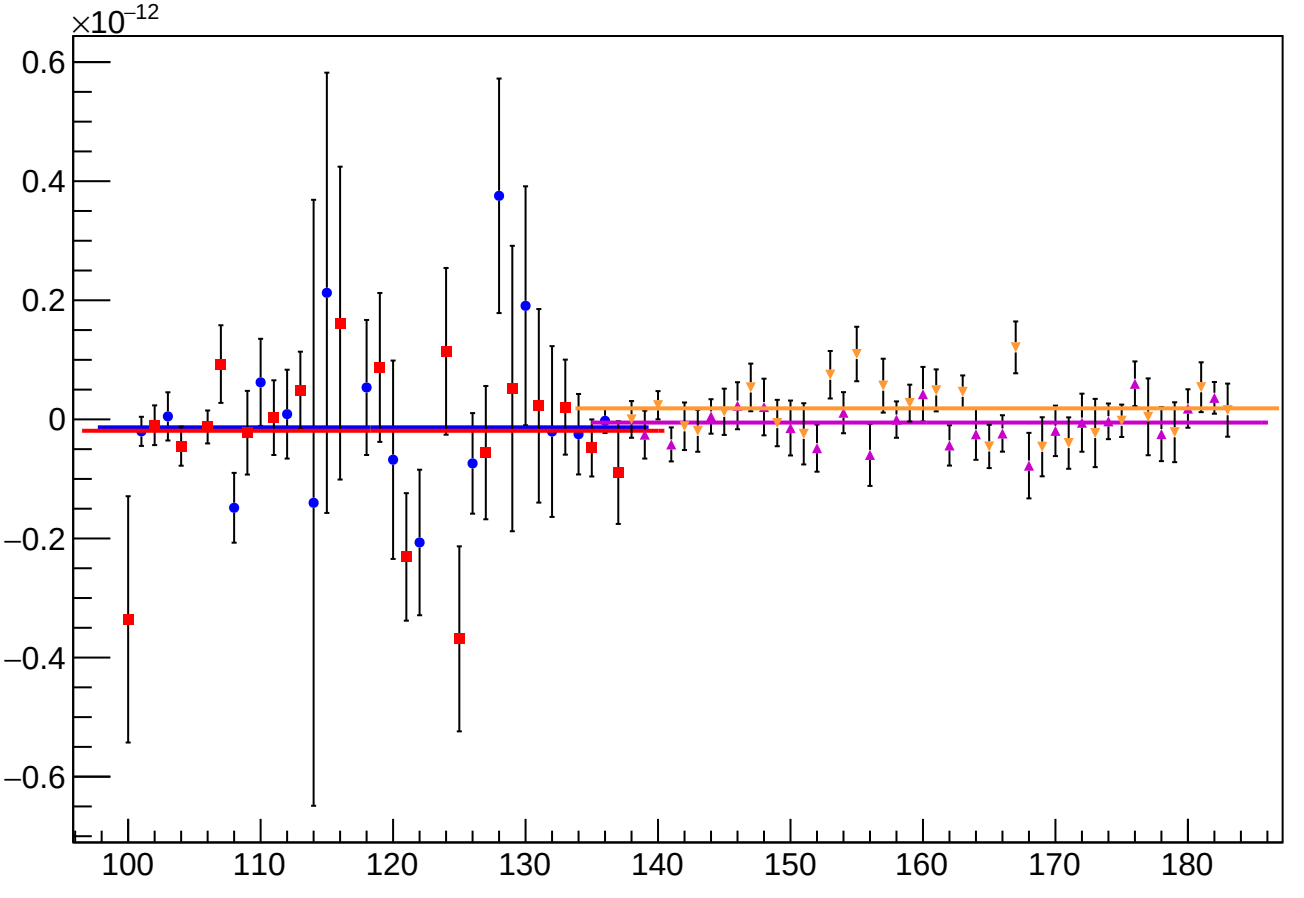
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1049.252+/-0.177 χ^2/NDF:609016.2/21

+ sign 794.401+/-0.119 χ^2/NDF: 8158968.3/39

All: 799.189+/-0.085 χ^2/NDF: 15437417.9/80

- sign 804.184+/-0.122 χ^2/NDF: 7275159.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

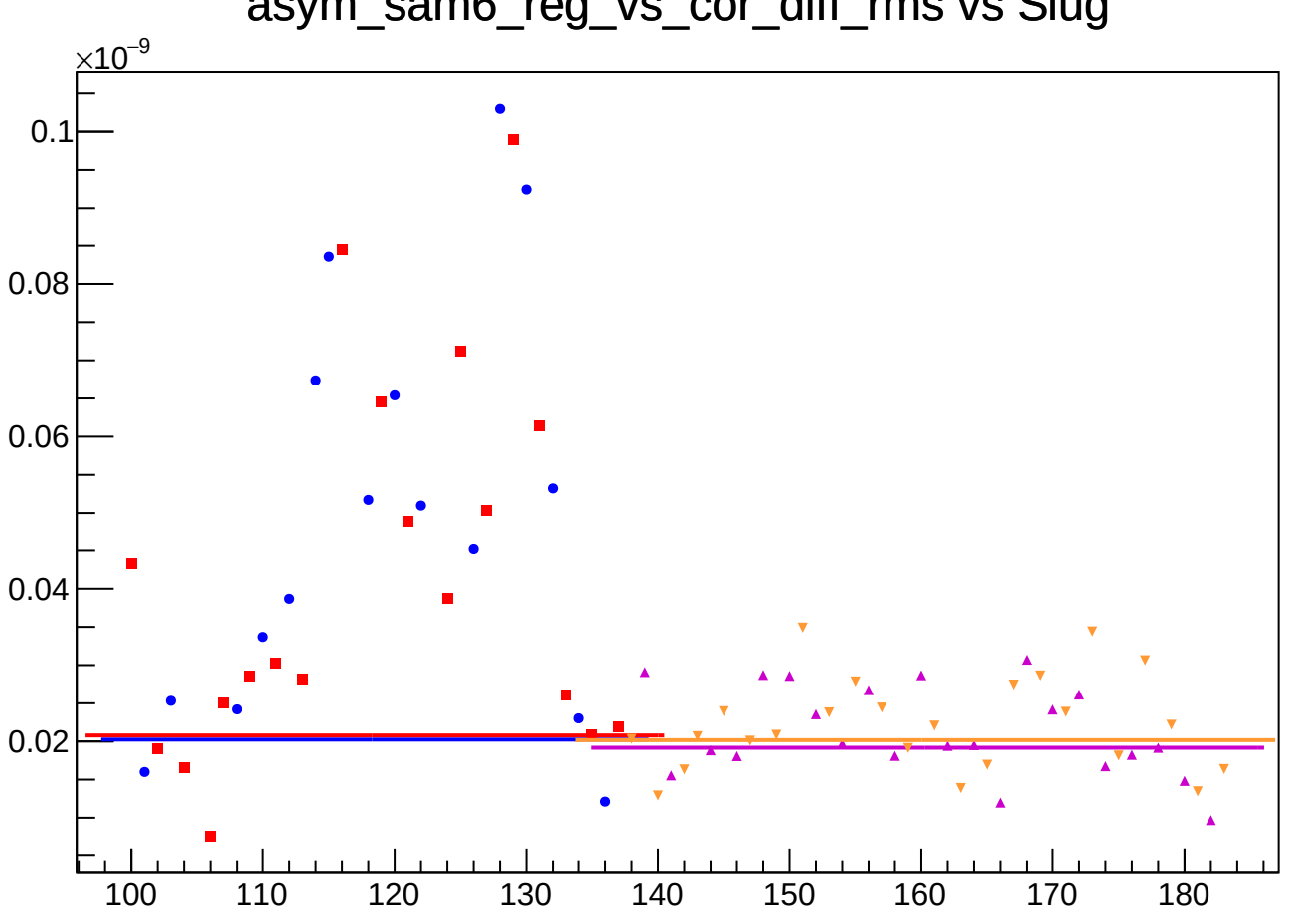
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 47.6/39

All: 0.000+/-0.000 χ^2/NDF: 88.6/80

- sign -0.000+/-0.000 χ^2/NDF: 37.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:993354.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

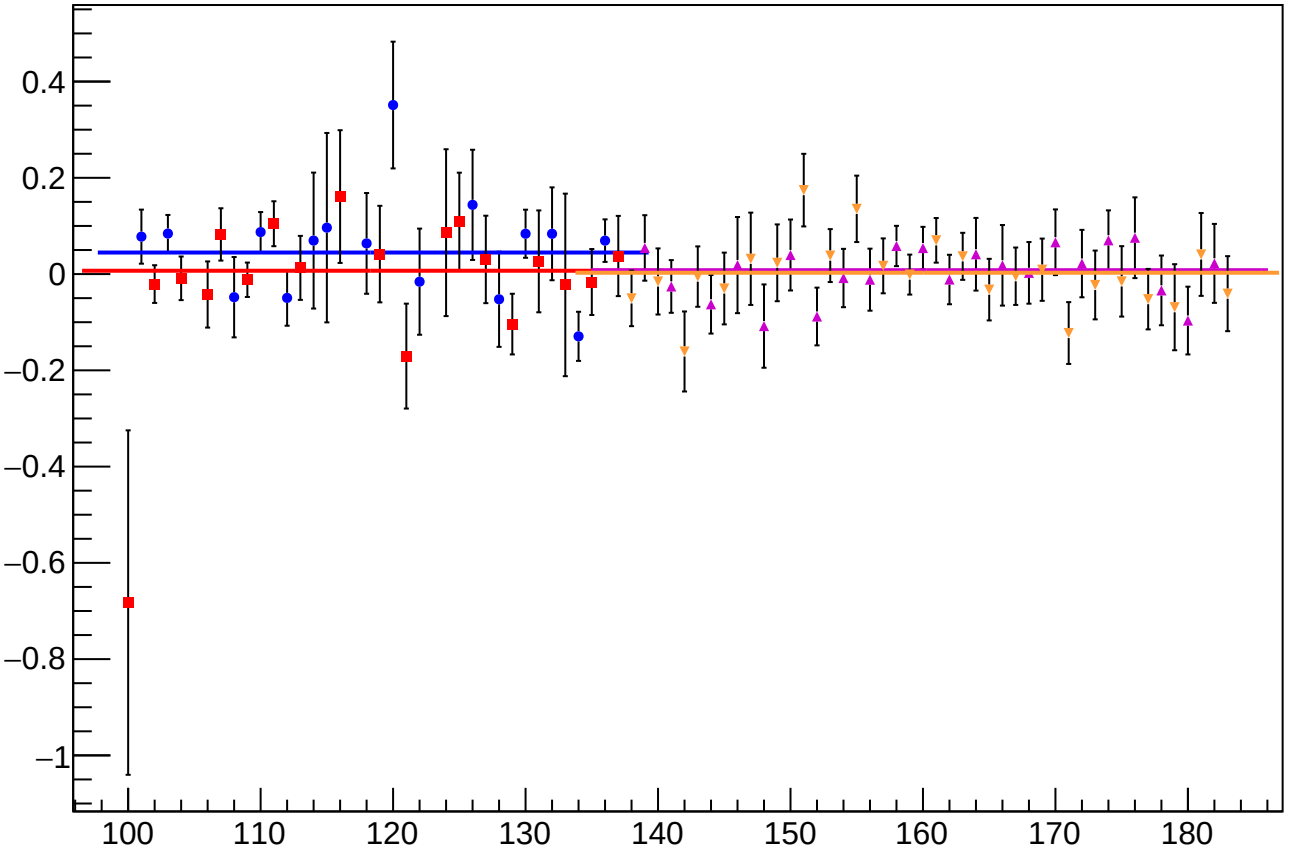
Left In: 0.000+/-0.000 χ^2/NDF:1047156.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 2998078.4/39

All: 0.000+/-0.000 χ^2/NDF: 5930412.3/80

- sign 0.000+/-0.000 χ^2/NDF: 2923528.4/40

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:23.4/23

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

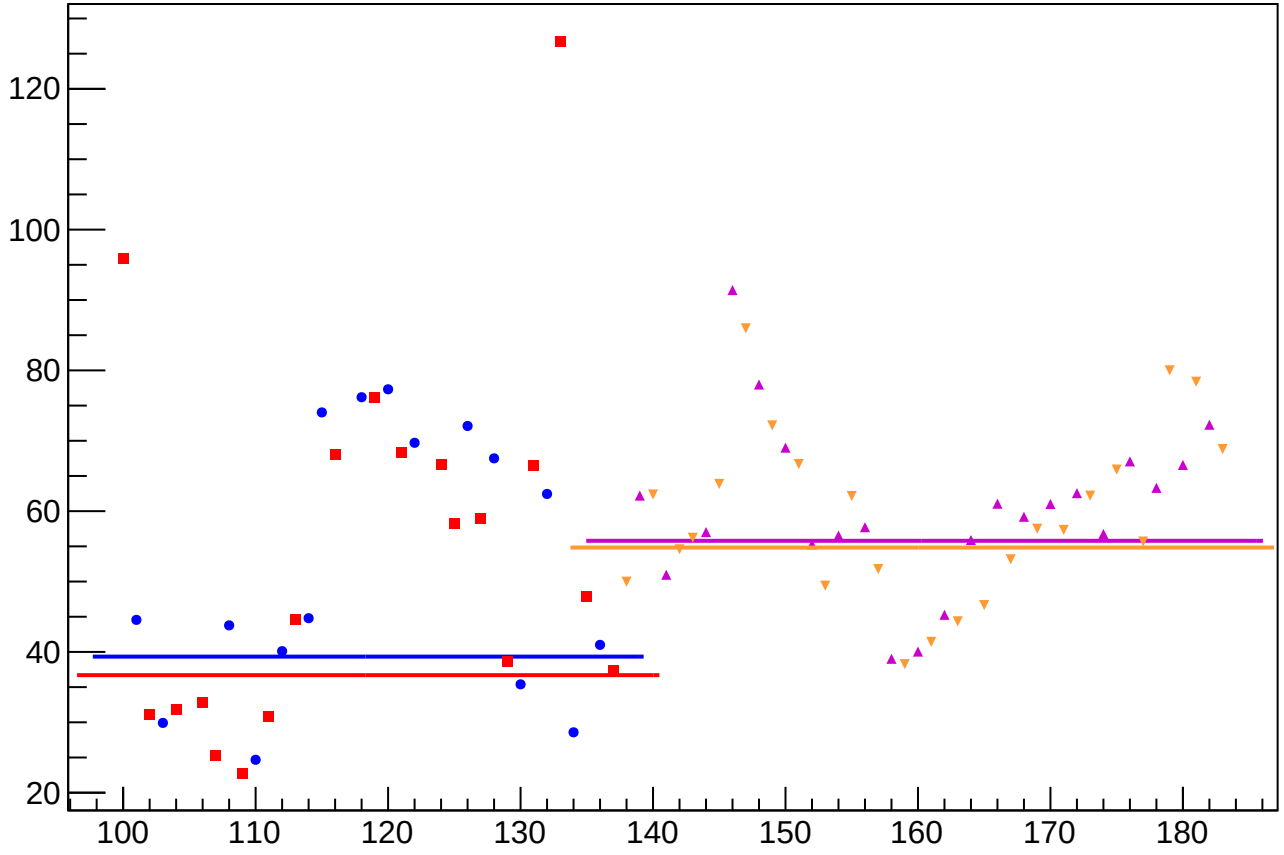
Left In: 0.008+/-0.014 χ^2/NDF:14.8/21

+ sign 0.019+/-0.010 χ^2/NDF: 54.1/39

All: 0.013+/-0.007 χ^2/NDF: 89.8/80

- sign 0.008+/-0.010 χ^2/NDF: 35.0/40

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.831+/-0.009 χ^2/NDF:1530232.1/23

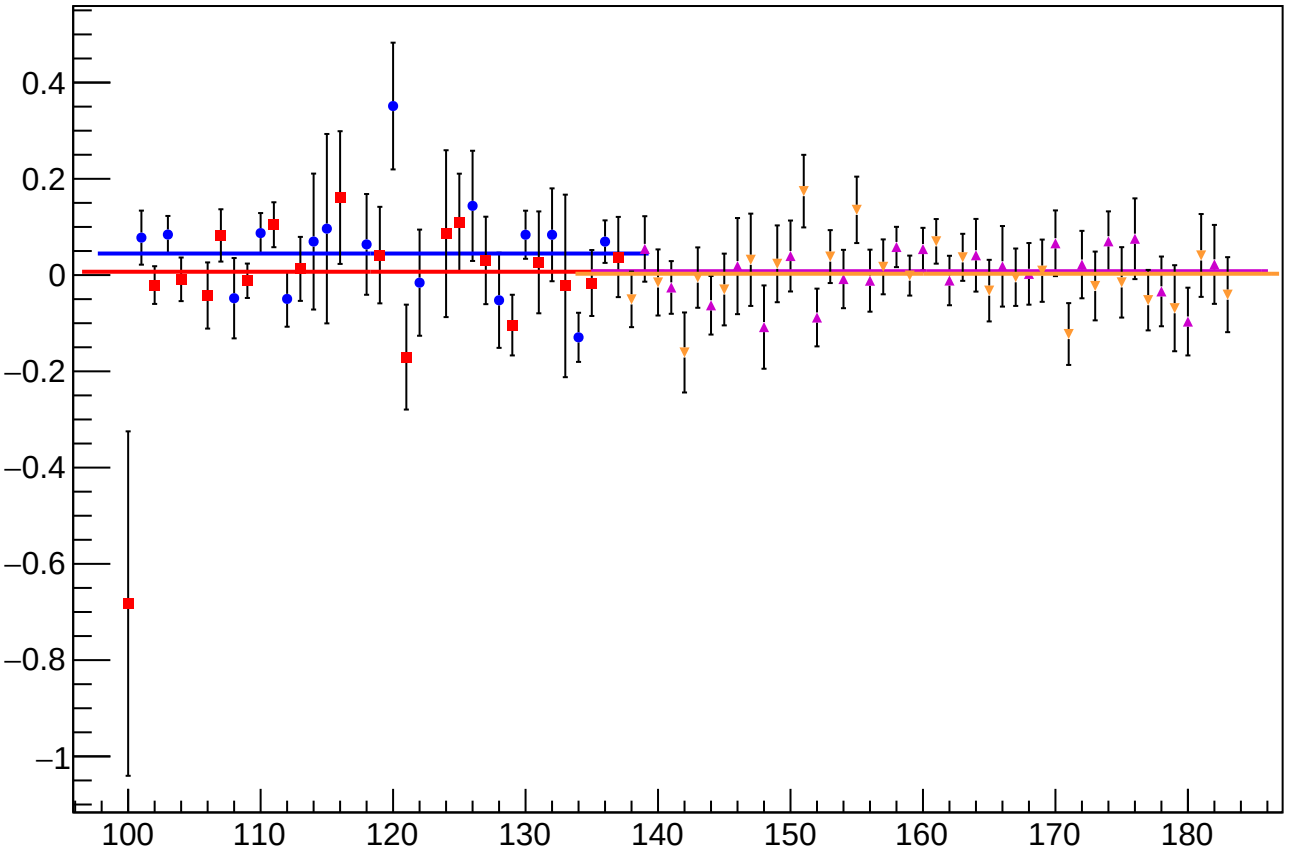
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.788+/-0.010 χ^2/NDF:1376604.5/21

+ sign 48.676+/-0.007 χ^2/NDF: 4224644.1/39

All: 47.965+/-0.005 χ^2/NDF: 9482225.6/80

- sign 47.253+/-0.007 χ^2/NDF: 5237722.8/40



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:23.4/23

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

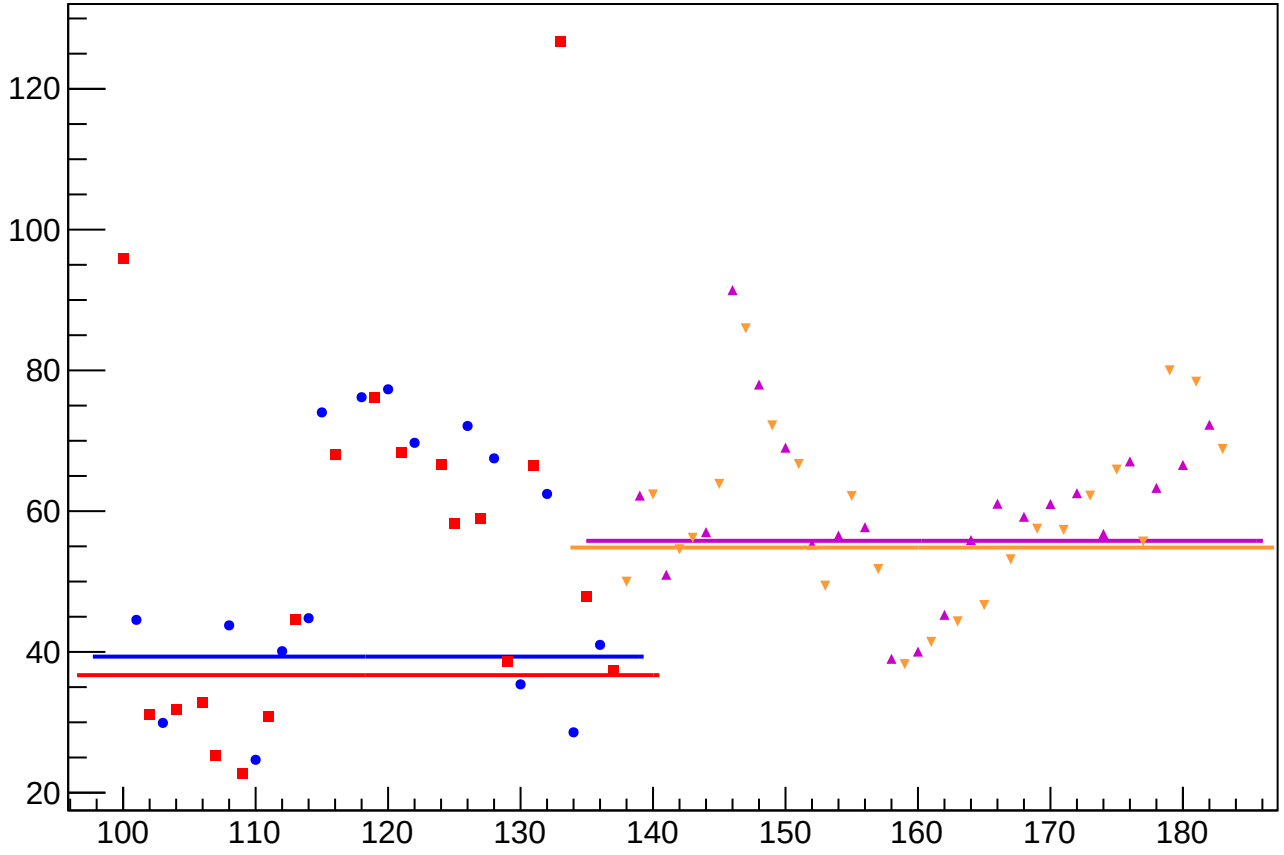
Left In: 0.008+/-0.014 χ^2/NDF:14.8/21

+ sign 0.019+/-0.010 χ^2/NDF: 54.1/39

All: 0.013+/-0.007 χ^2/NDF: 89.8/80

- sign 0.008+/-0.010 χ^2/NDF: 35.0/40

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.831+/-0.009 χ^2/NDF:1530232.1/23

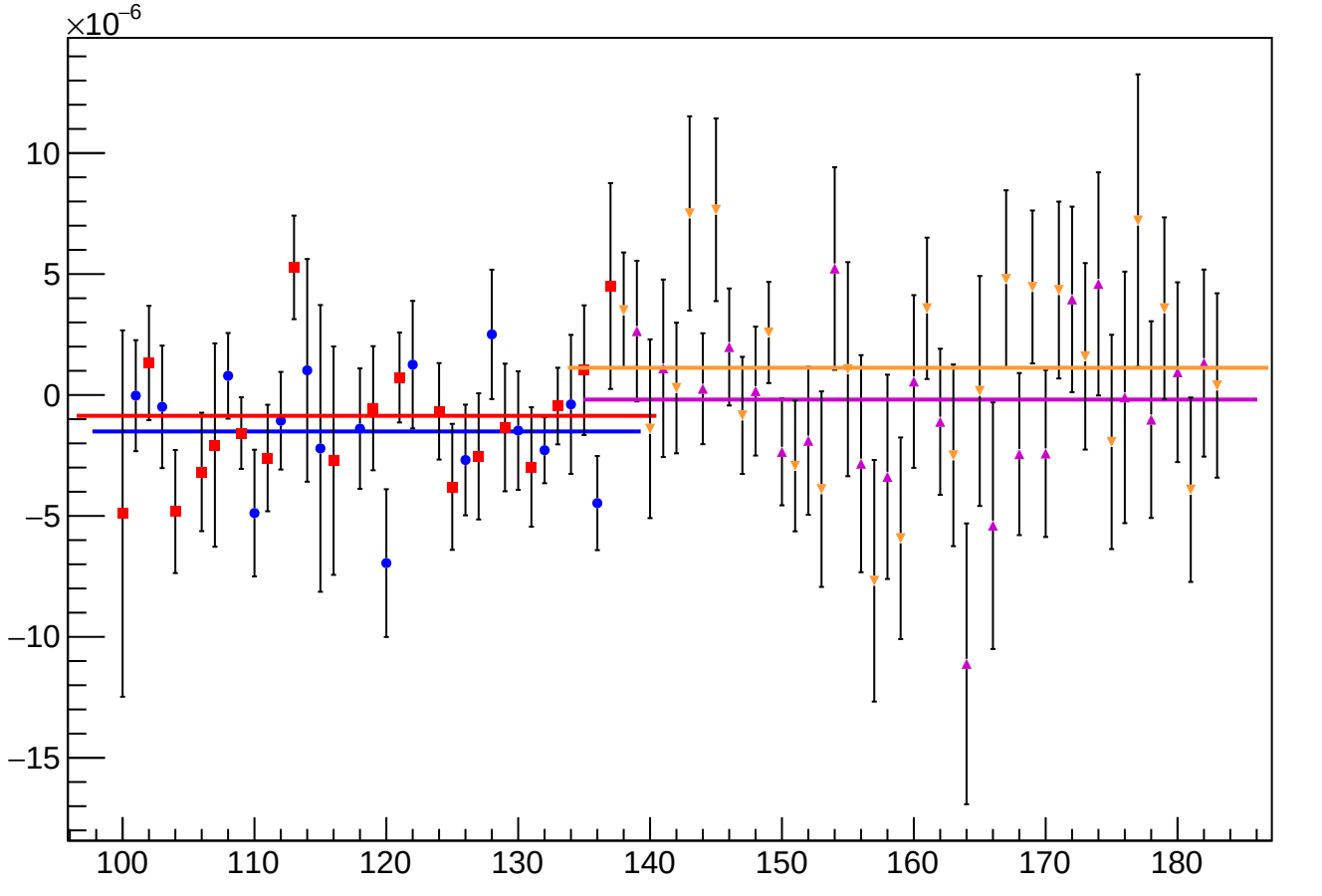
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.788+/-0.010 χ^2/NDF:1376604.5/21

+ sign 48.676+/-0.007 χ^2/NDF: 4224644.1/39

All: 47.965+/-0.005 χ^2/NDF: 9482225.6/80

- sign 47.253+/-0.007 χ^2/NDF: 5237722.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

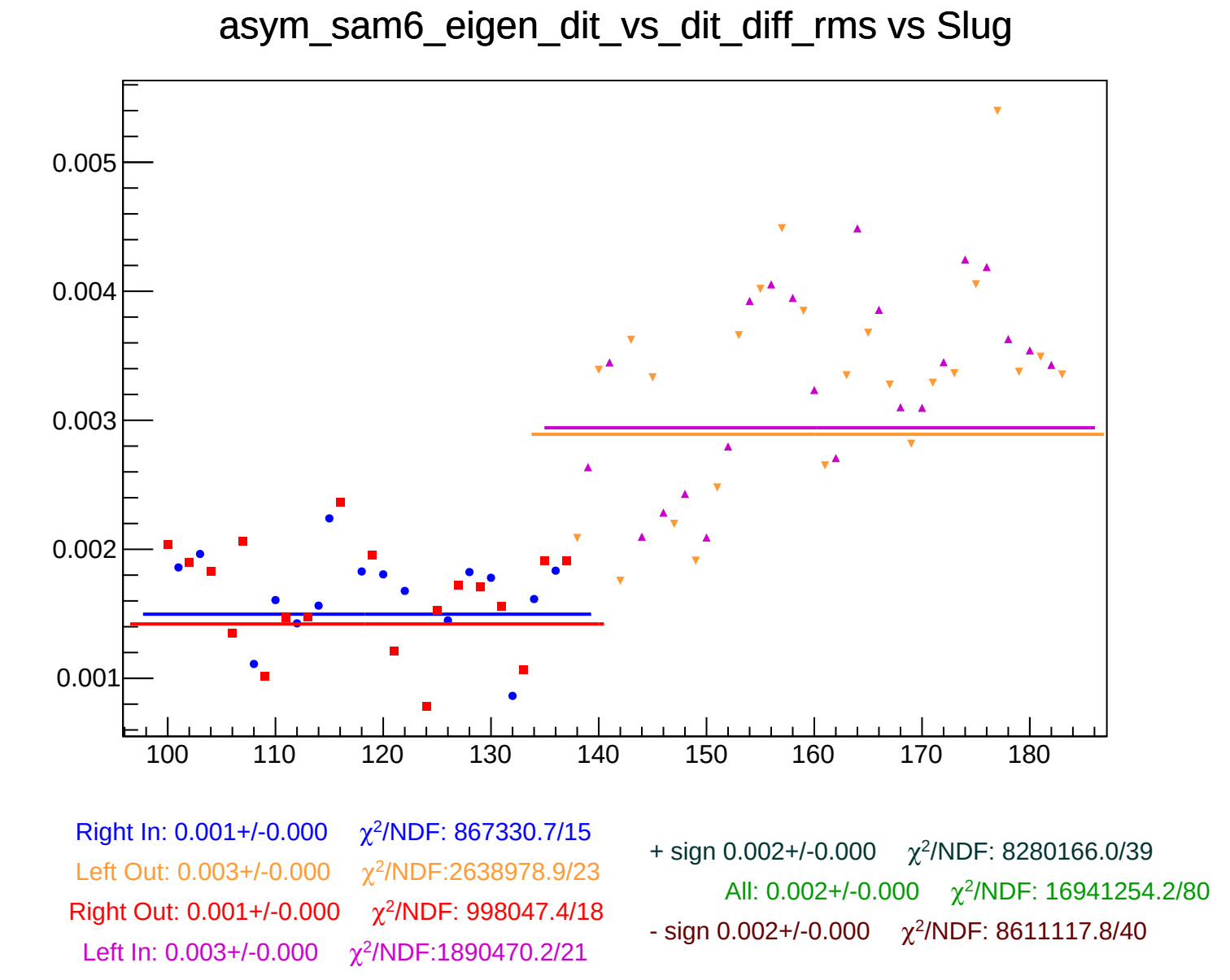
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/21

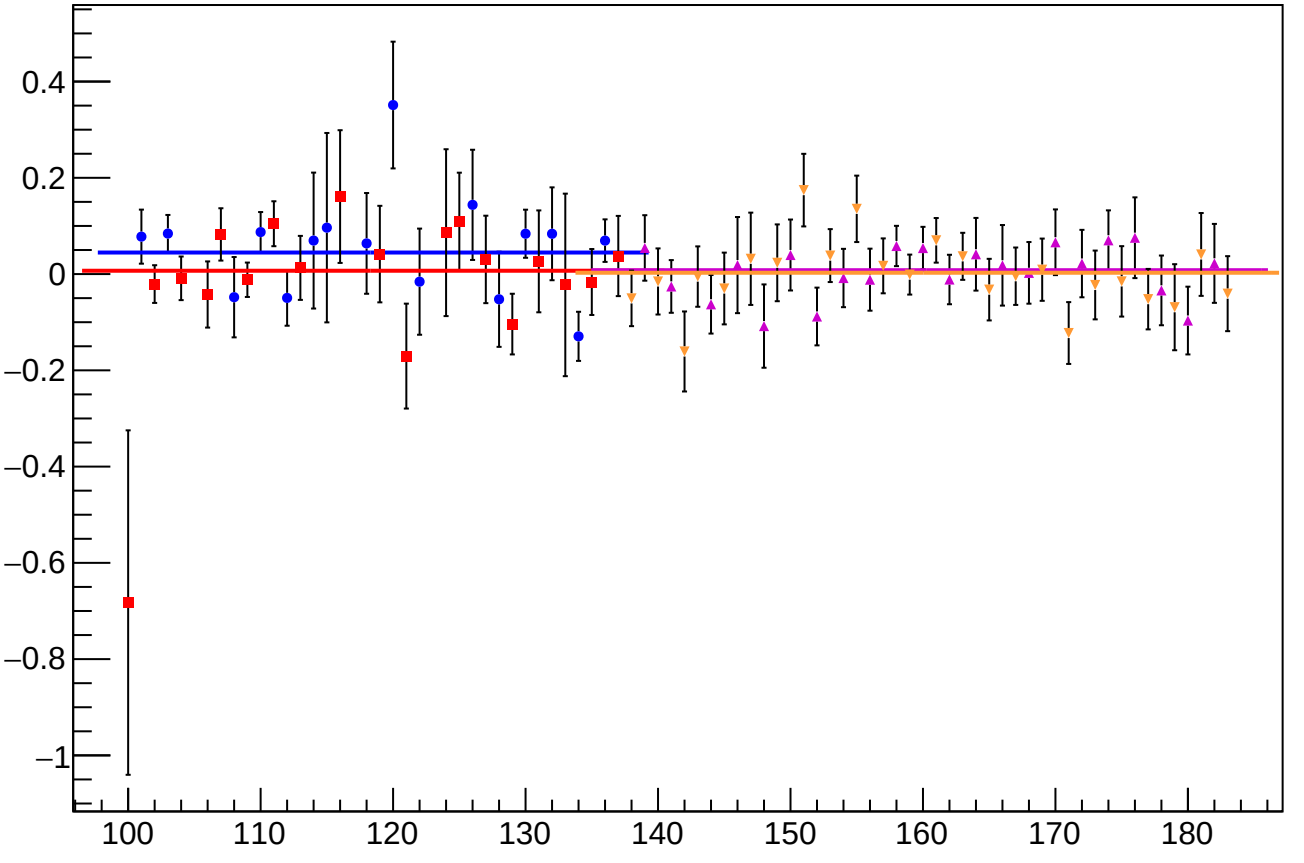
+ sign -0.000+/-0.000 χ^2/NDF: 48.6/39

All: -0.000+/-0.000 χ^2/NDF: 82.3/80

- sign -0.000+/-0.000 χ^2/NDF: 33.6/40


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:2638978.9/23
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1890470.2/21
+ sign 0.002+/-0.000 χ²/NDF: 8280166.0/39
All: 0.002+/-0.000 χ²/NDF: 16941254.2/80
- sign 0.002+/-0.000 χ²/NDF: 8611117.8/40

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:23.4/23

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

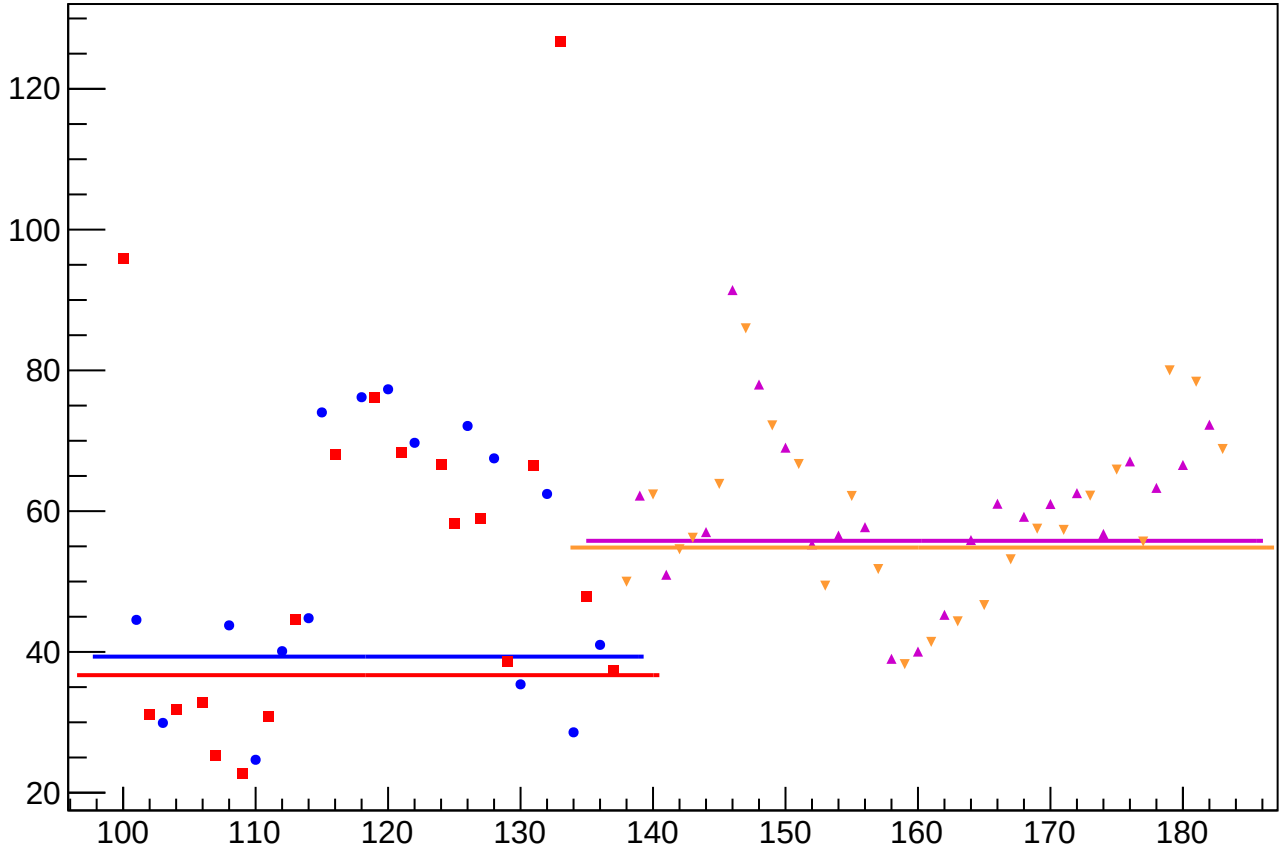
Left In: 0.008+/-0.014 χ^2/NDF:14.8/21

+ sign 0.019+/-0.010 χ^2/NDF: 54.1/39

All: 0.013+/-0.007 χ^2/NDF: 89.8/80

- sign 0.008+/-0.010 χ^2/NDF: 35.0/40

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.830+/-0.009 χ^2/NDF:1530350.3/23

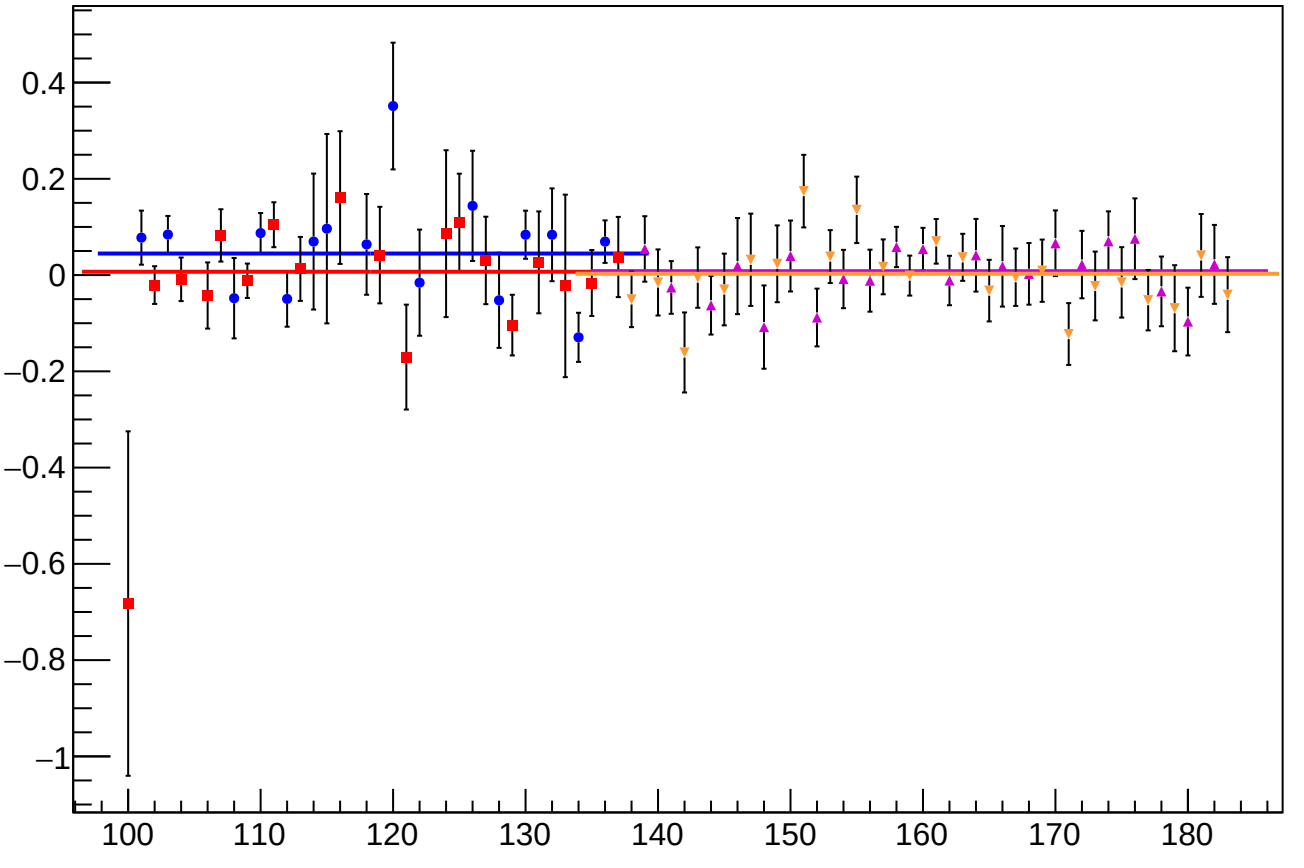
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.786+/-0.010 χ^2/NDF:1376767.2/21

+ sign 48.675+/-0.007 χ^2/NDF: 4224746.7/39

All: 47.964+/-0.005 χ^2/NDF: 9482353.6/80

- sign 47.252+/-0.007 χ^2/NDF: 5237751.0/40



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:23.4/23

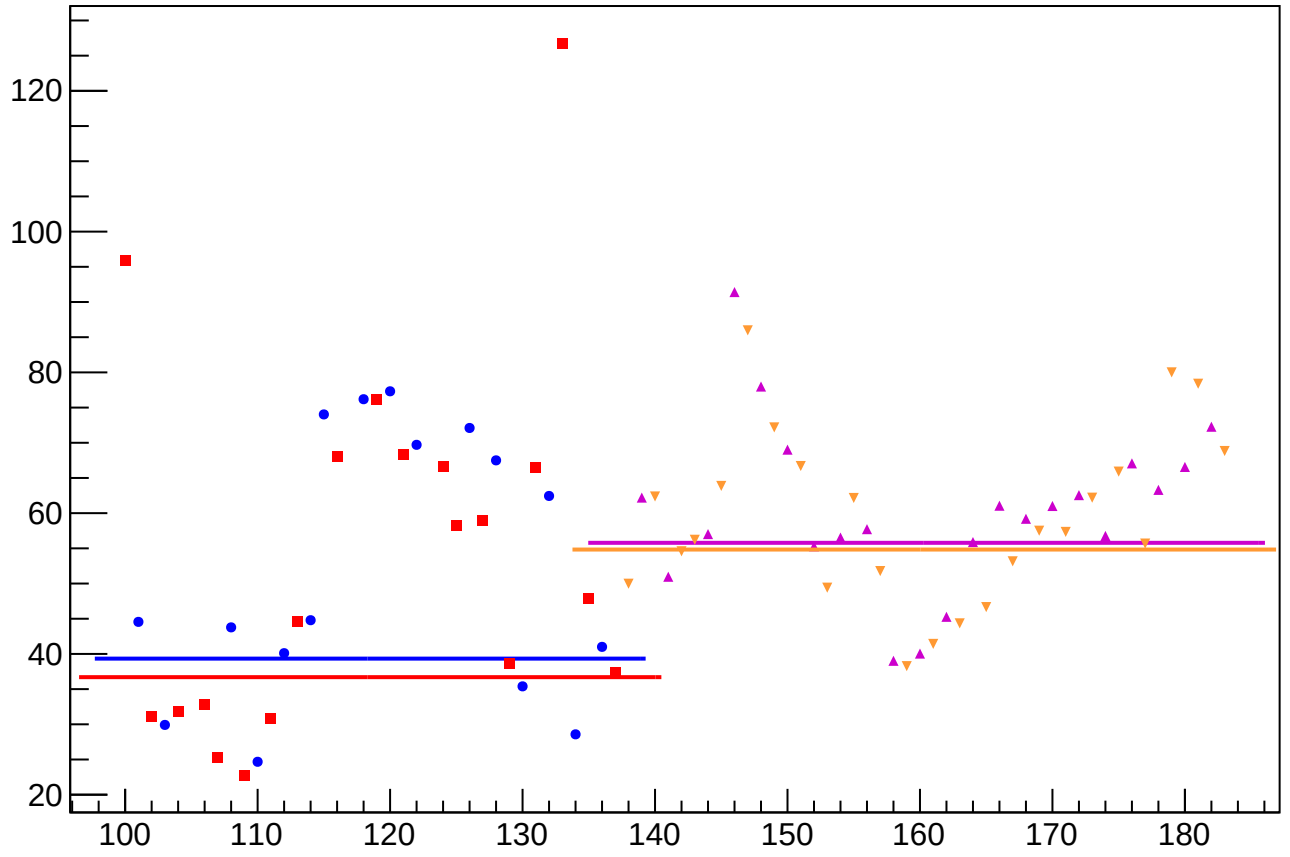
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.008+/-0.014 χ^2/NDF:14.8/21

+ sign 0.019+/-0.010 χ^2/NDF: 54.1/39

All: 0.013+/-0.007 χ^2/NDF: 89.8/80

- sign 0.008+/-0.010 χ^2/NDF: 35.0/40



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.830+/-0.009 χ^2/NDF:1530350.3/23

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

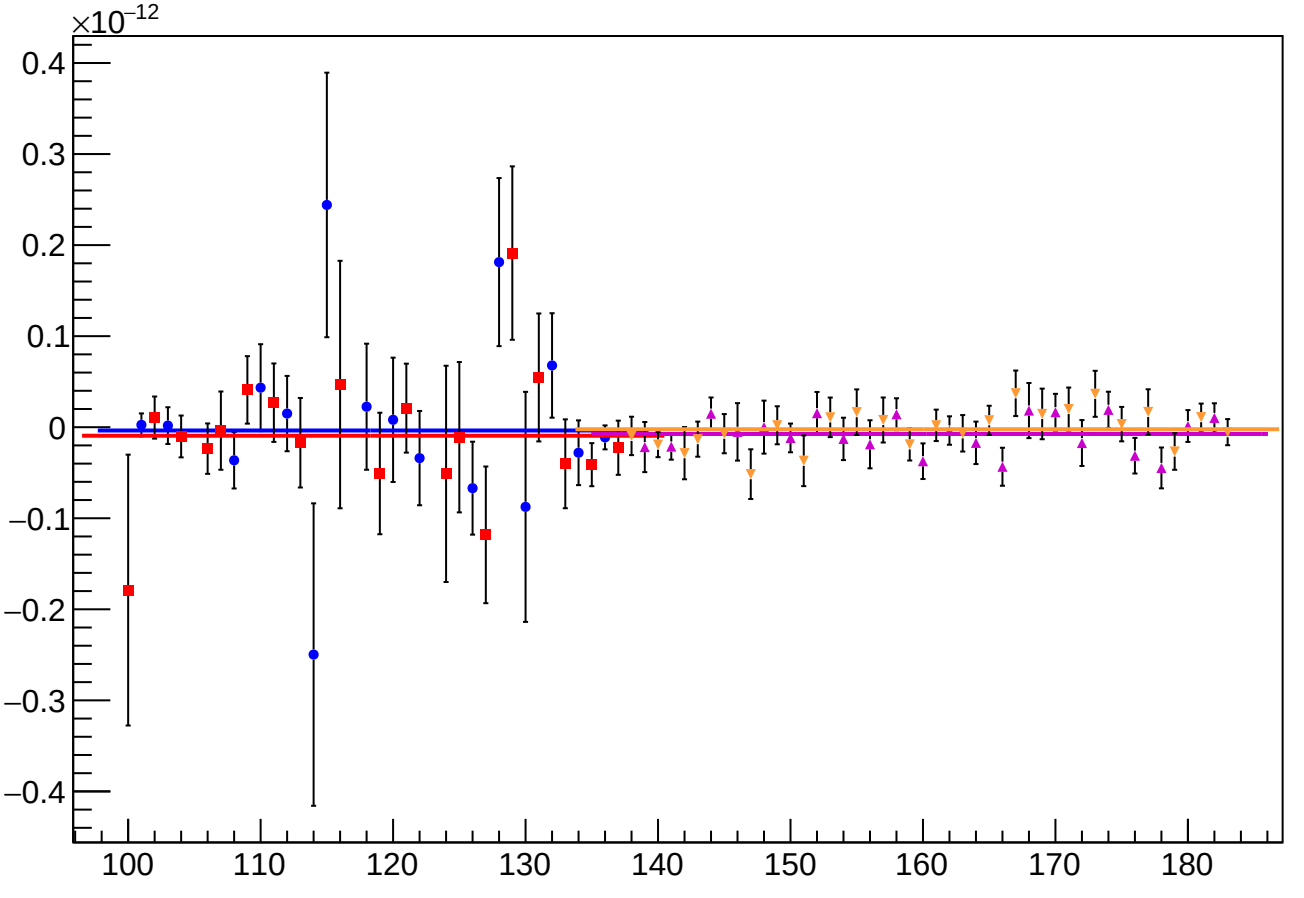
Left In: 55.786+/-0.010 χ^2/NDF:1376767.2/21

+ sign 48.675+/-0.007 χ^2/NDF: 4224746.7/39

All: 47.964+/-0.005 χ^2/NDF: 9482353.6/80

- sign 47.252+/-0.007 χ^2/NDF: 5237751.0/40

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/23

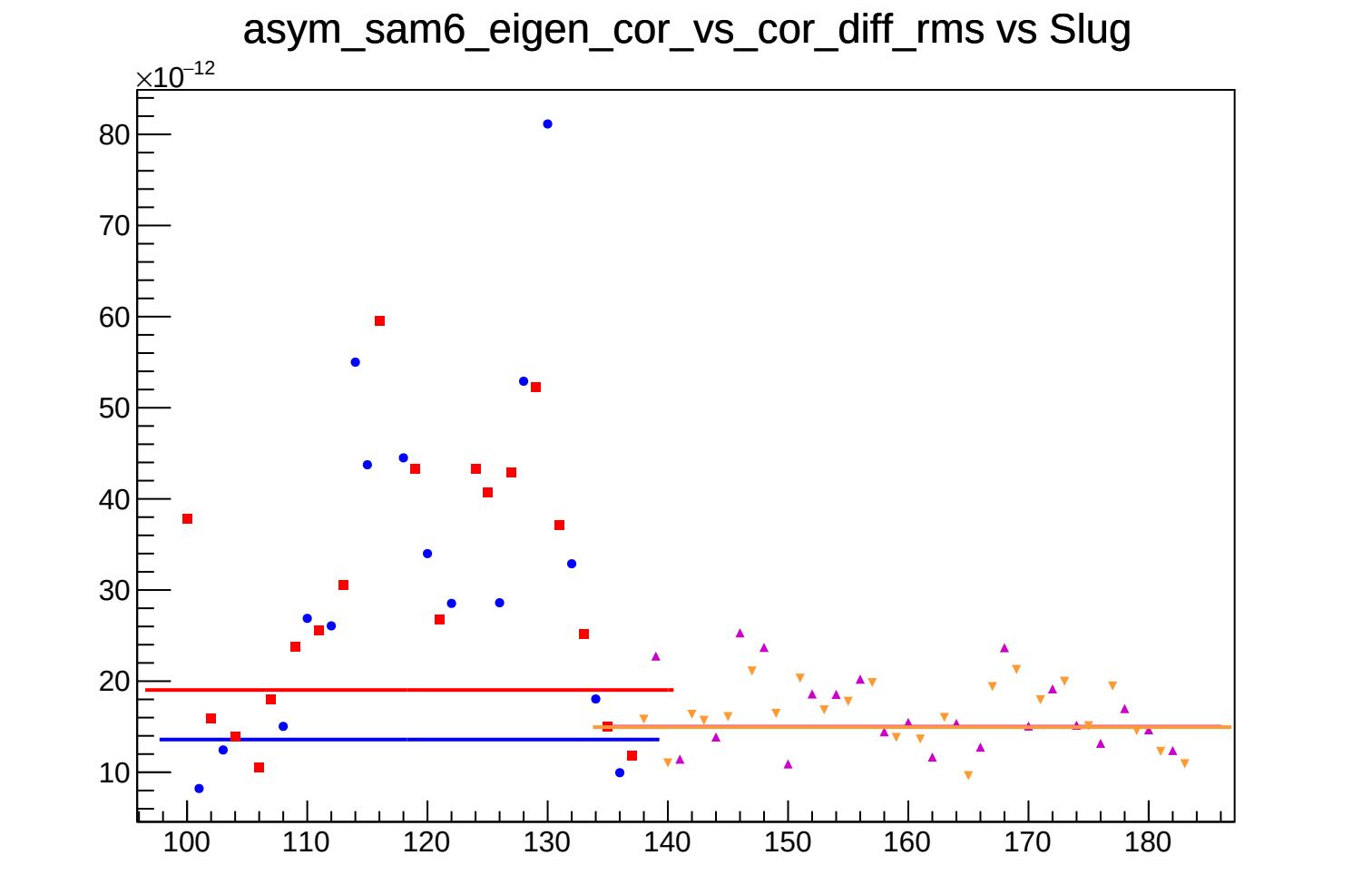
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.0/21

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/39

All: -0.000+/-0.000 χ^2/NDF: 73.6/80

- sign -0.000+/-0.000 χ^2/NDF: 36.7/40


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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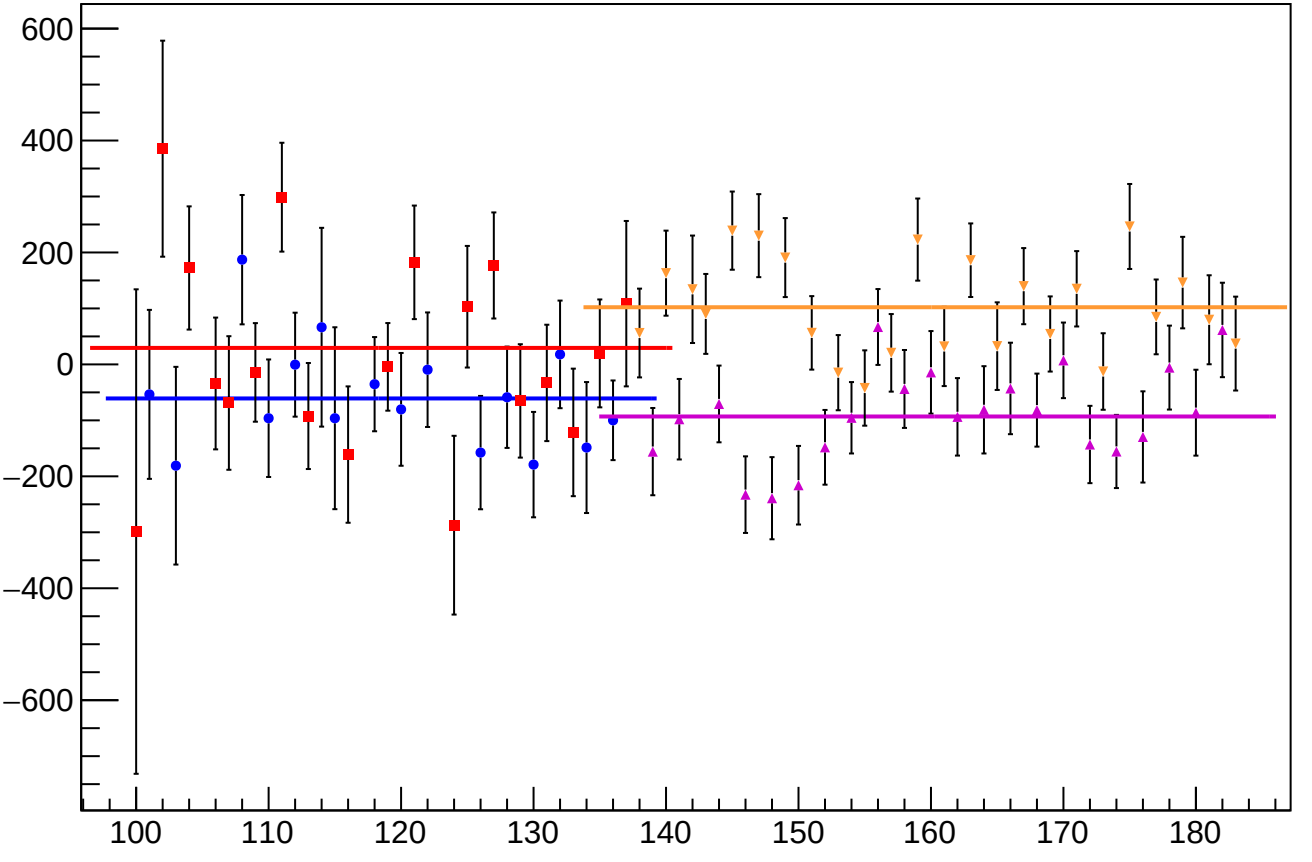
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1299126.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1410368.1/21
+ sign 0.000+/-0.000 χ²/NDF: 4540006.1/39
All: 0.000+/-0.000 χ²/NDF: 8409476.1/80
- sign 0.000+/-0.000 χ²/NDF: 3779603.3/40

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 102.120+/-14.734 χ^2/NDF:33.6/23

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

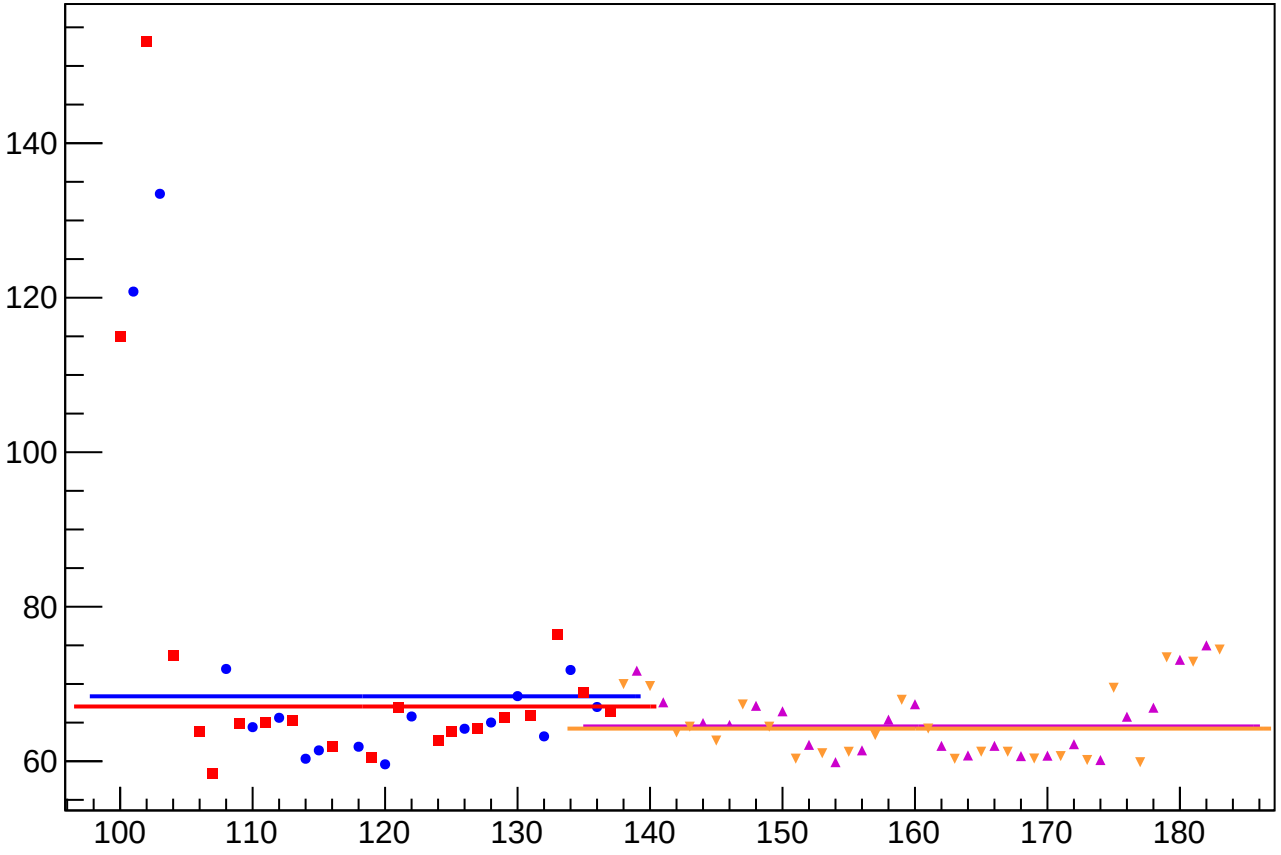
Left In: -93.079+/-15.232 χ^2/NDF:28.8/21

+ sign 62.631+/-12.825 χ^2/NDF: 73.9/39

All: 2.200+/-9.138 χ^2/NDF: 196.4/80

- sign -60.109+/-13.023 χ^2/NDF: 77.4/40

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.224+/-0.010 χ^2/NDF:176940.6/23

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

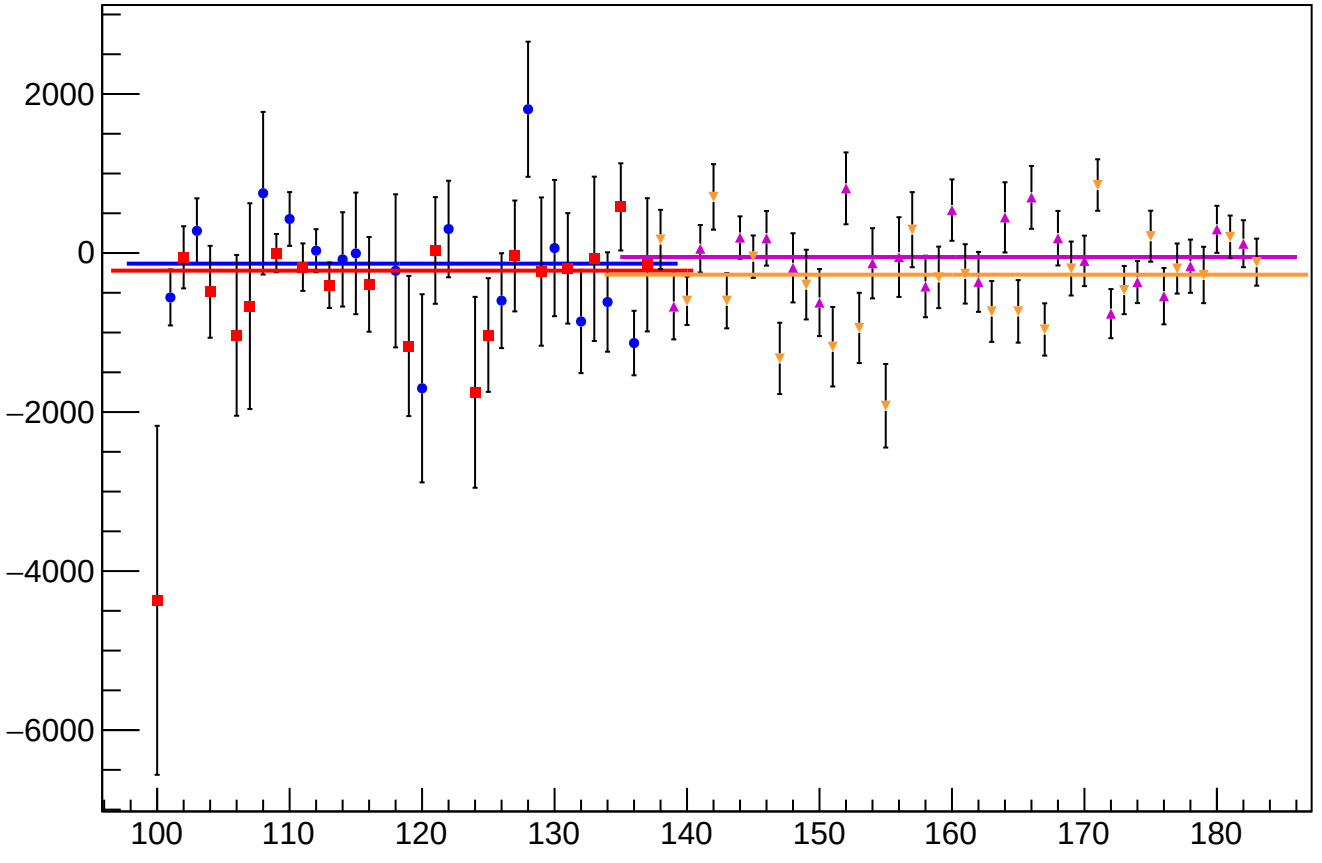
Left In: 64.506+/-0.011 χ^2/NDF:137999.4/21

+ sign 65.236+/-0.009 χ^2/NDF: 785498.7/39

All: 65.218+/-0.006 χ^2/NDF: 1420761.9/80

- sign 65.200+/-0.009 χ^2/NDF: 635255.2/40

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -272.128+/-72.124 χ^2/NDF:57.8/23

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

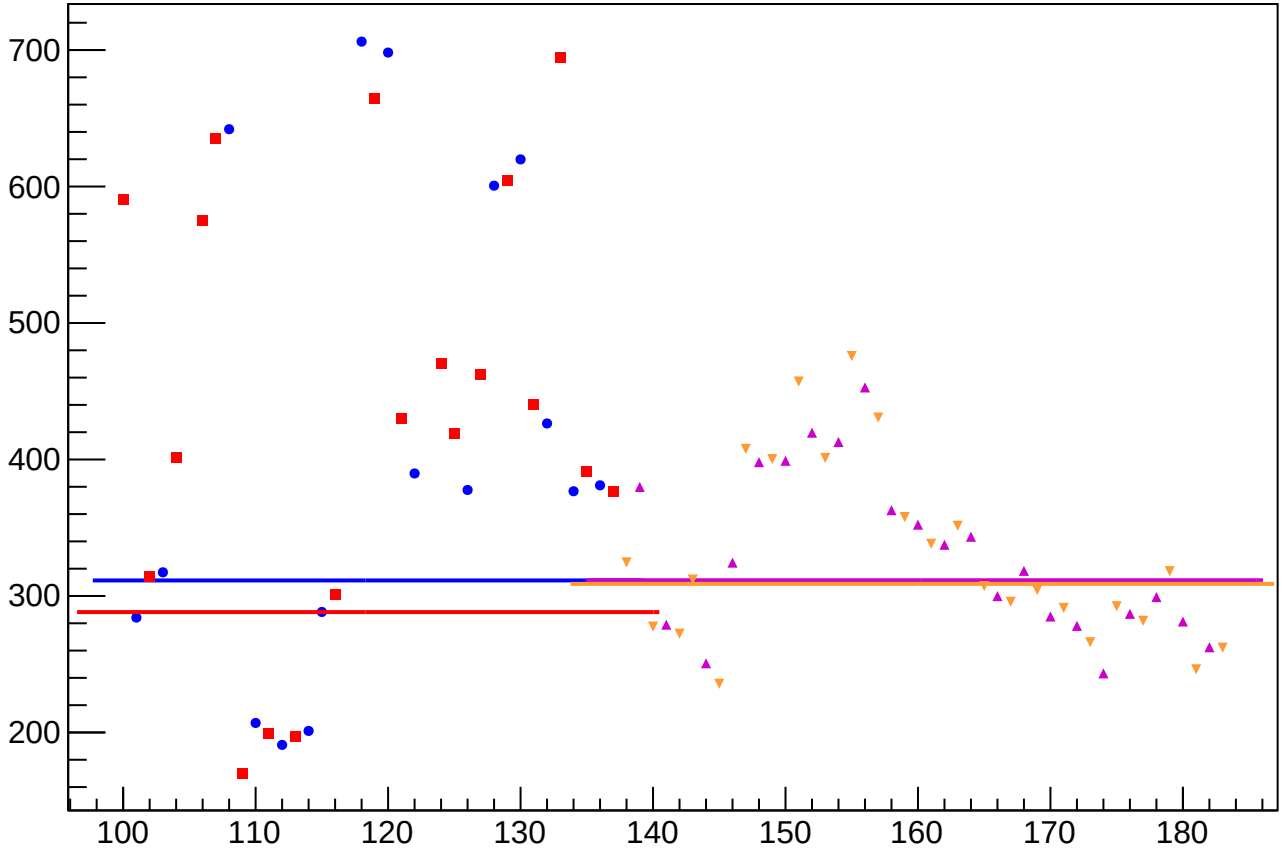
Left In: -50.145+/-74.650 χ^2/NDF:29.1/21

+ sign -237.898+/-62.583 χ^2/NDF: 81.2/39

All: -169.068+/-44.418 χ^2/NDF: 126.8/80

- sign -99.201+/-63.052 χ^2/NDF: 43.2/40

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 308.866+/-0.051 χ^2/NDF:1271773.1/23

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

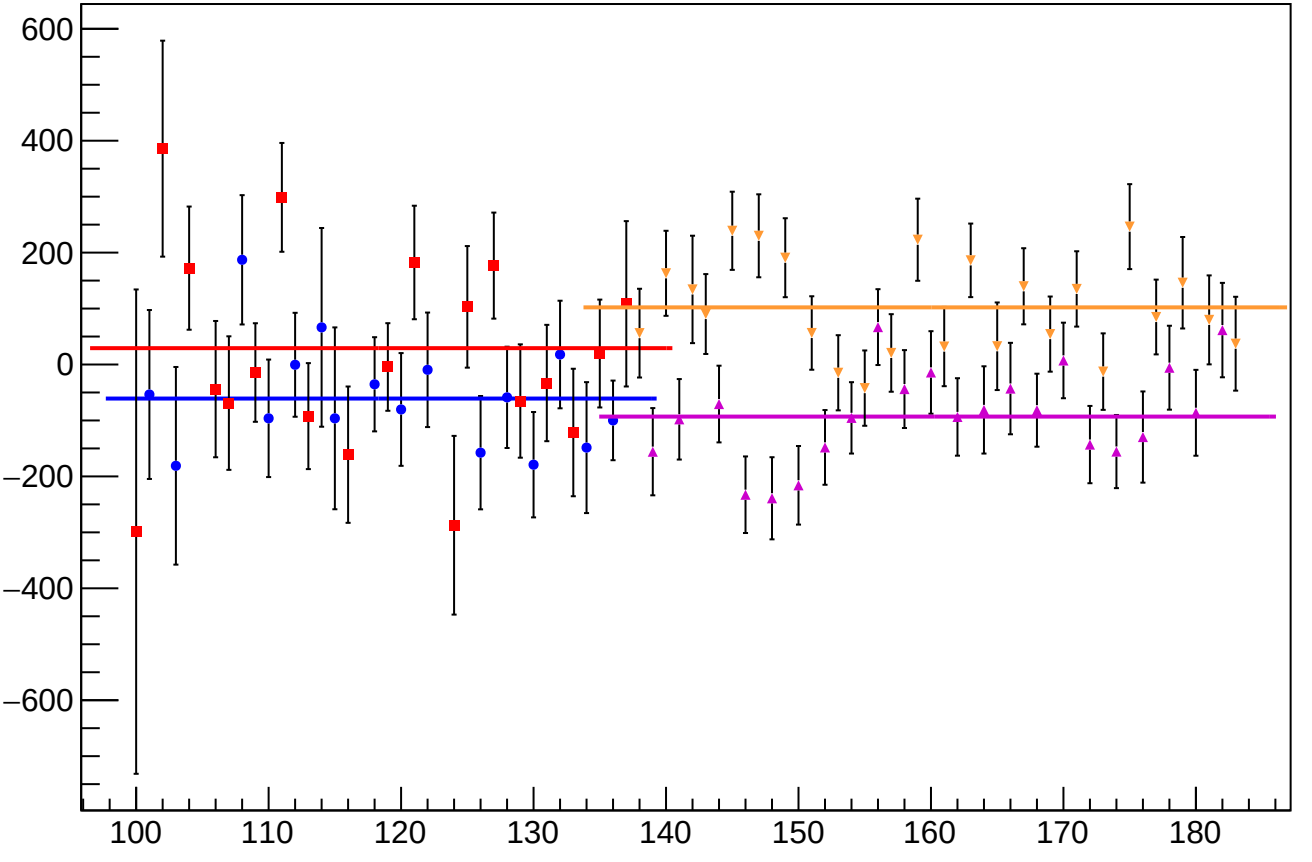
Left In: 311.523+/-0.053 χ^2/NDF:1068187.0/21

+ sign 309.489+/-0.044 χ^2/NDF: 3396173.9/39

All: 307.182+/-0.031 χ^2/NDF: 7241141.2/80

- sign 304.840+/-0.045 χ^2/NDF: 3839491.3/40

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 102.120+/-14.734 χ^2/NDF:33.6/23

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

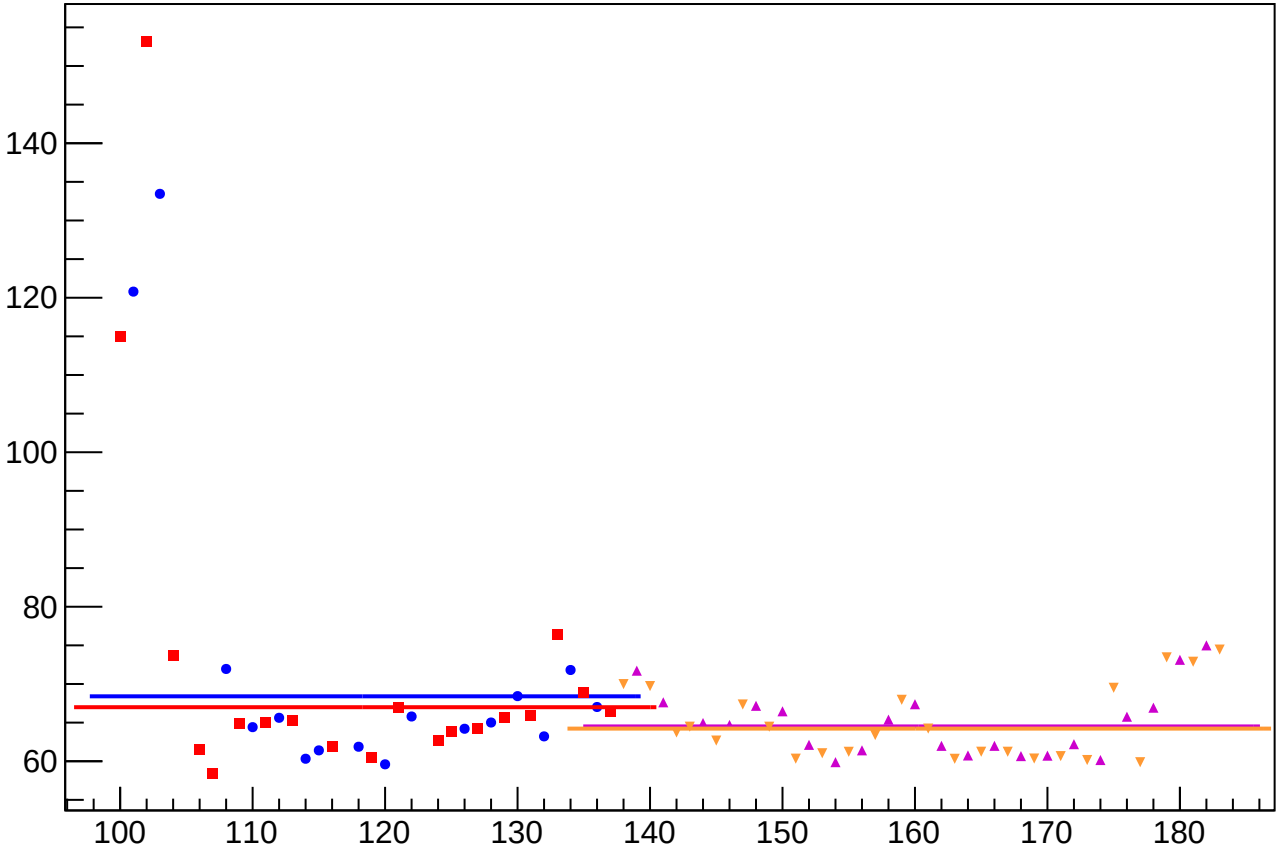
Left In: -93.078+/-15.232 χ^2/NDF:28.8/21

+ sign 62.631+/-12.825 χ^2/NDF: 73.9/39

All: 2.158+/-9.140 χ^2/NDF: 196.5/80

- sign -60.243+/-13.028 χ^2/NDF: 77.4/40

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.224+/-0.010 χ^2/NDF:176940.6/23

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

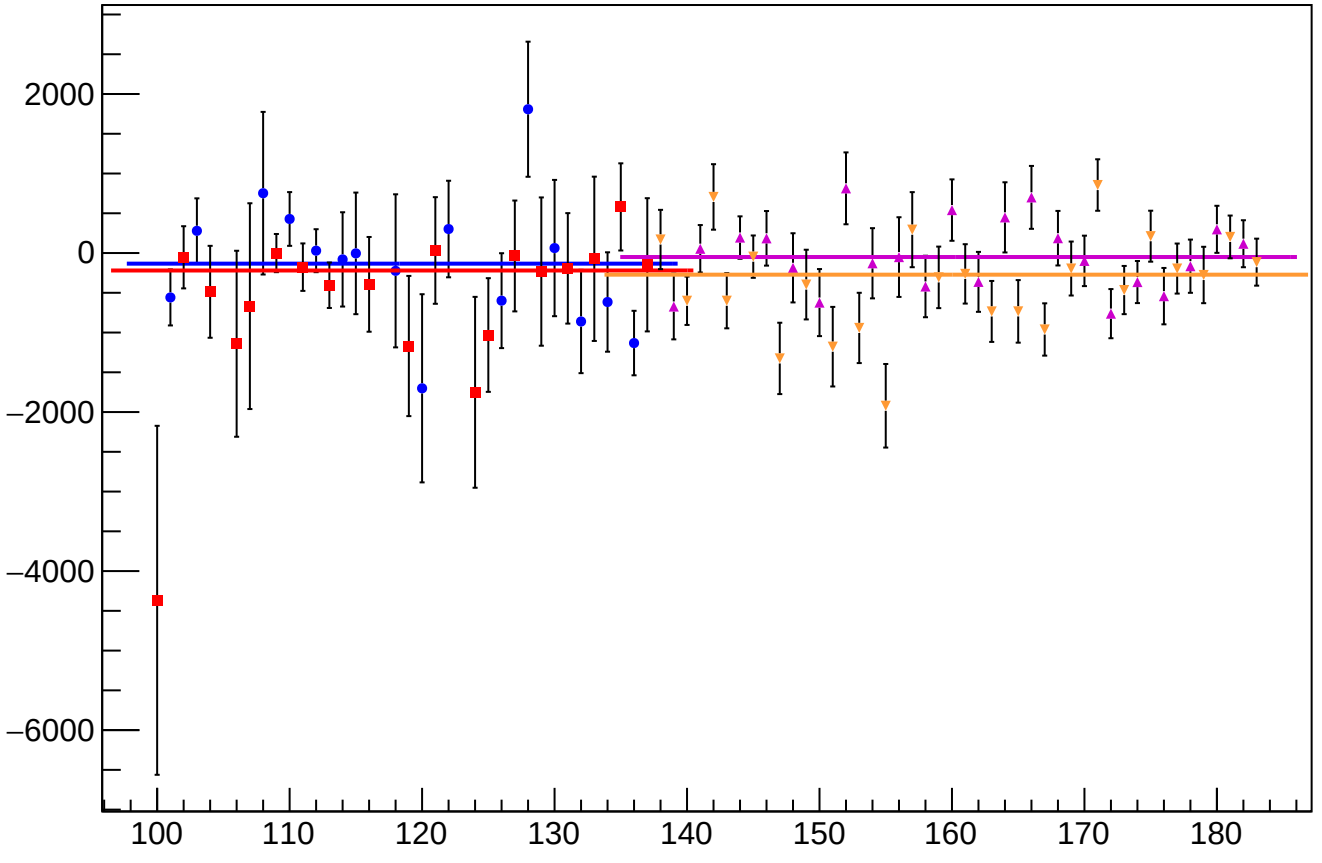
Left In: 64.506+/-0.011 χ^2/NDF:137999.4/21

+ sign 65.236+/-0.009 χ^2/NDF: 785499.0/39

All: 65.206+/-0.006 χ^2/NDF: 1422347.6/80

- sign 65.174+/-0.009 χ^2/NDF: 636825.1/40

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -272.130+/-72.124 χ^2/NDF:57.8/23

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

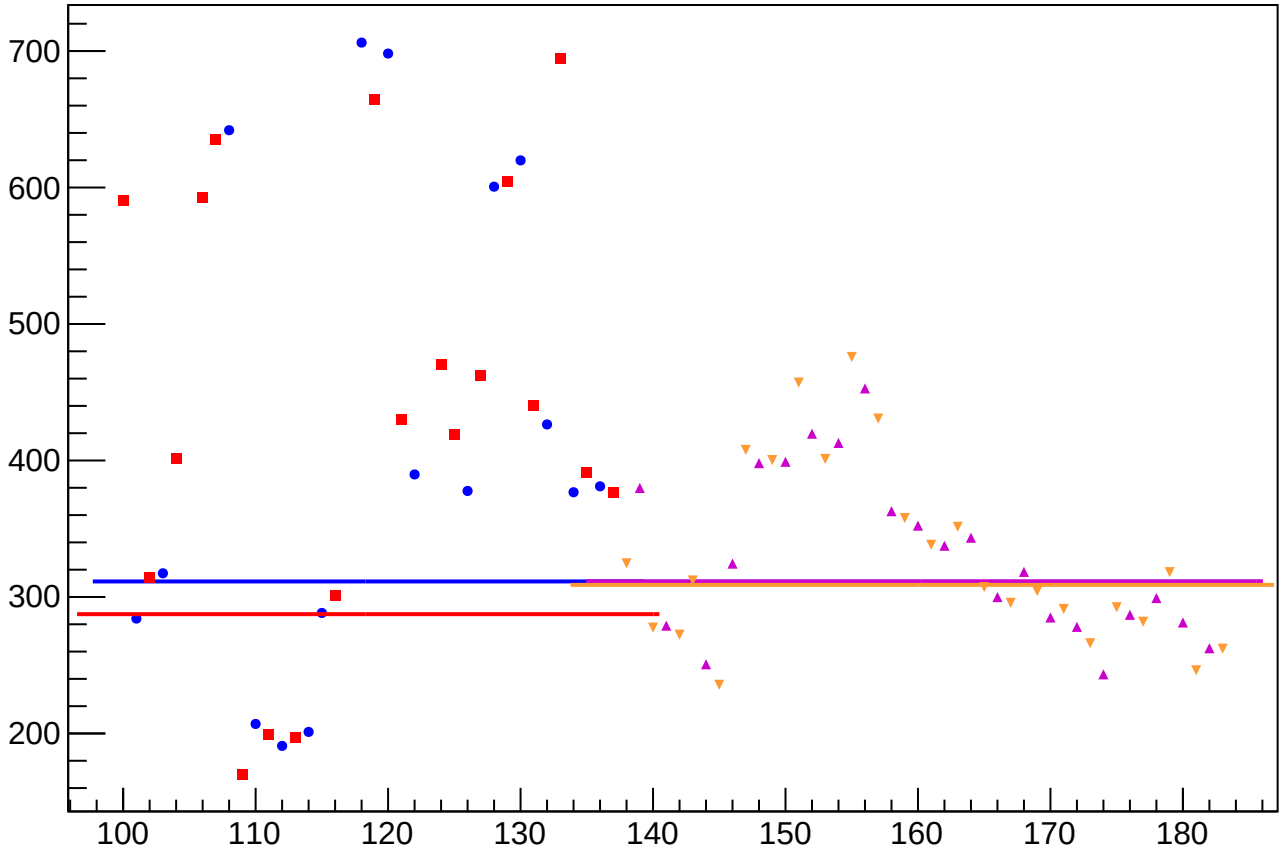
Left In: -50.143+/-74.650 χ^2/NDF:29.1/21

+ sign -237.899+/-62.583 χ^2/NDF: 81.2/39

All: -168.799+/-44.429 χ^2/NDF: 126.8/80

- sign -98.588+/-63.084 χ^2/NDF: 43.1/40

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 308.866+/-0.051 χ^2/NDF:1271772.0/23

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

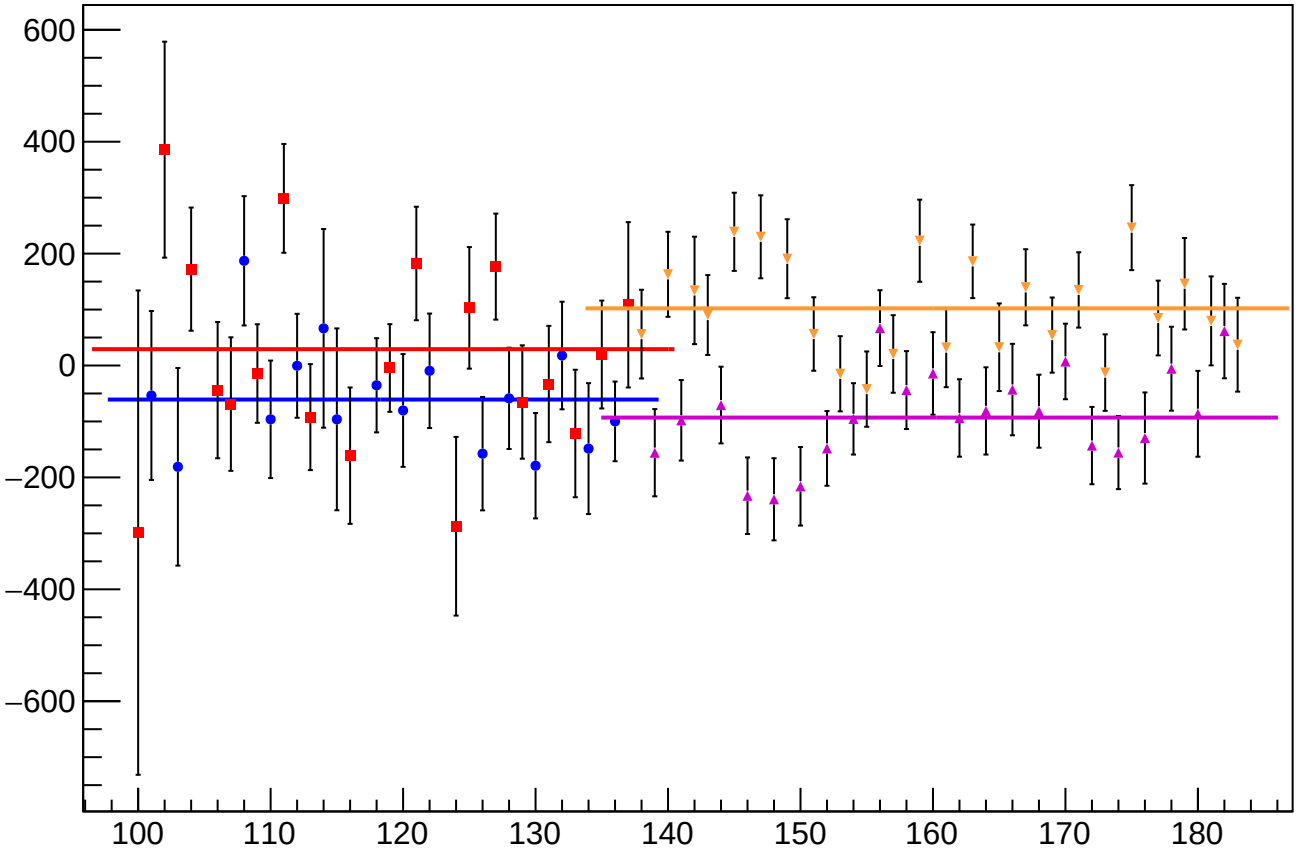
Left In: 311.523+/-0.053 χ^2/NDF:1068188.6/21

+ sign 309.489+/-0.044 χ^2/NDF: 3396175.2/39

All: 307.079+/-0.031 χ^2/NDF: 7220237.5/80

- sign 304.631+/-0.045 χ^2/NDF: 3818083.8/40

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 102.120+/-14.734 χ^2/NDF:33.6/23

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

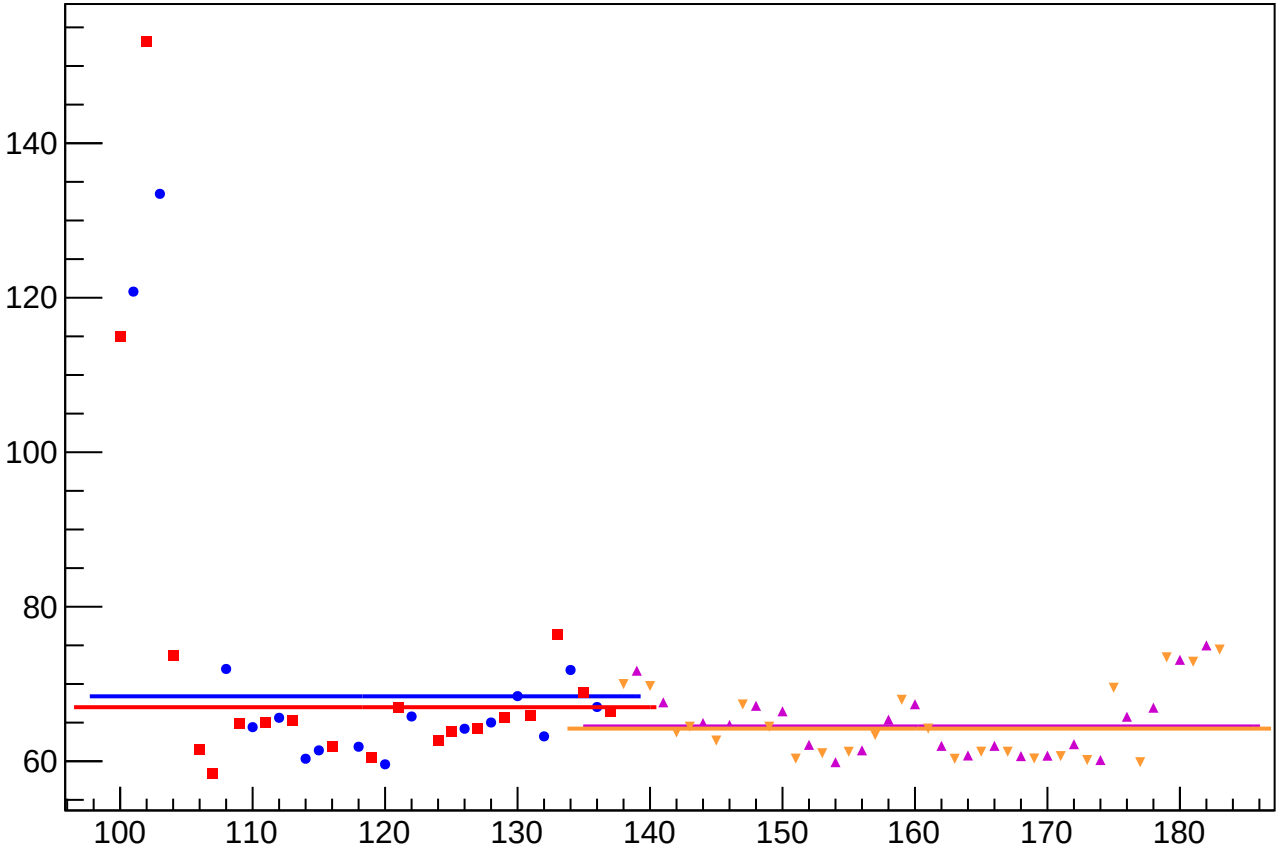
Left In: -93.078+/-15.232 χ^2/NDF:28.8/21

+ sign 62.631+/-12.825 χ^2/NDF: 73.9/39

All: 2.158+/-9.140 χ^2/NDF: 196.5/80

- sign -60.243+/-13.028 χ^2/NDF: 77.4/40

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.224+/-0.010 χ^2/NDF:176940.6/23

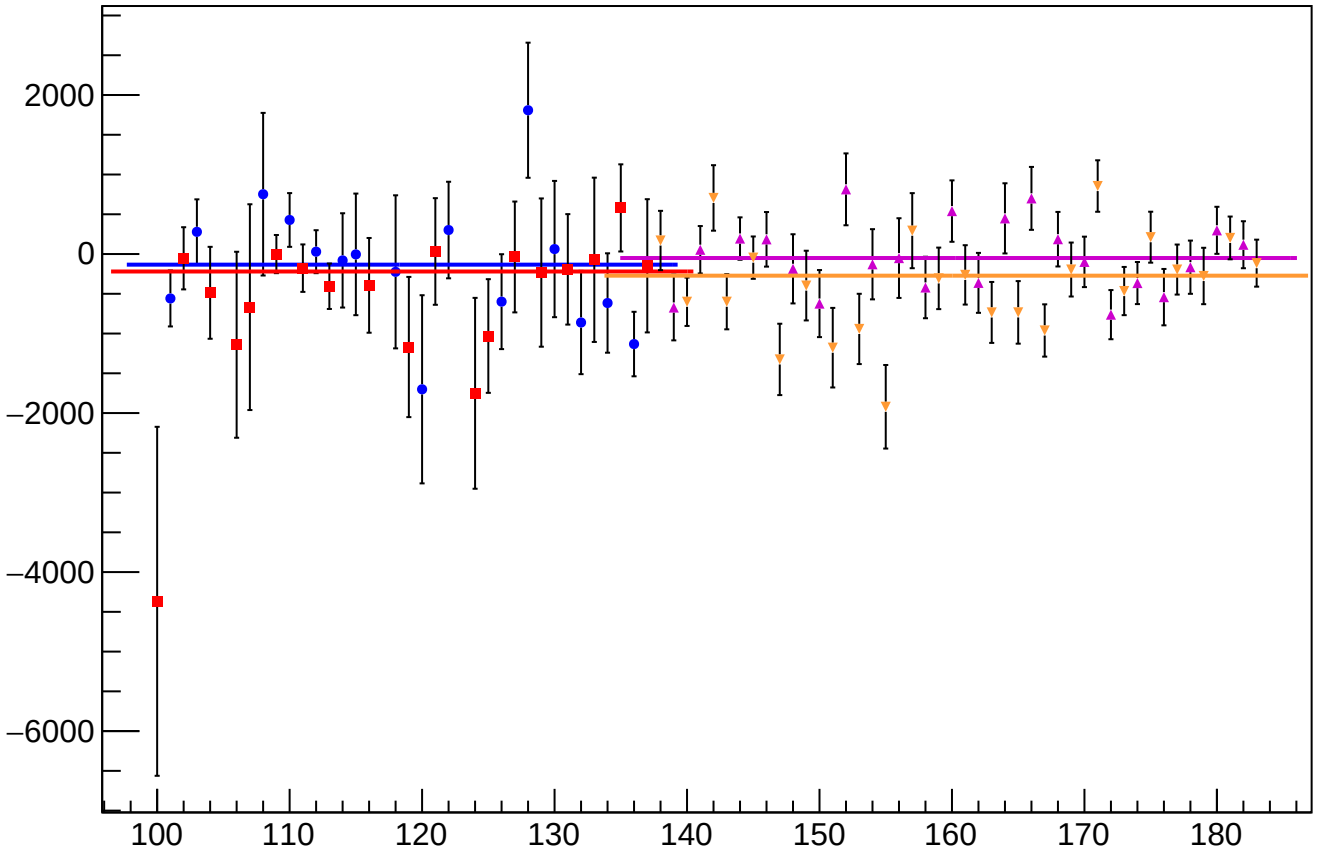
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.506+/-0.011 χ^2/NDF:137999.4/21

+ sign 65.236+/-0.009 χ^2/NDF: 785499.0/39

All: 65.206+/-0.006 χ^2/NDF: 1422347.6/80

- sign 65.174+/-0.009 χ^2/NDF: 636825.1/40



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -272.130+/-72.124 χ^2/NDF:57.8/23

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

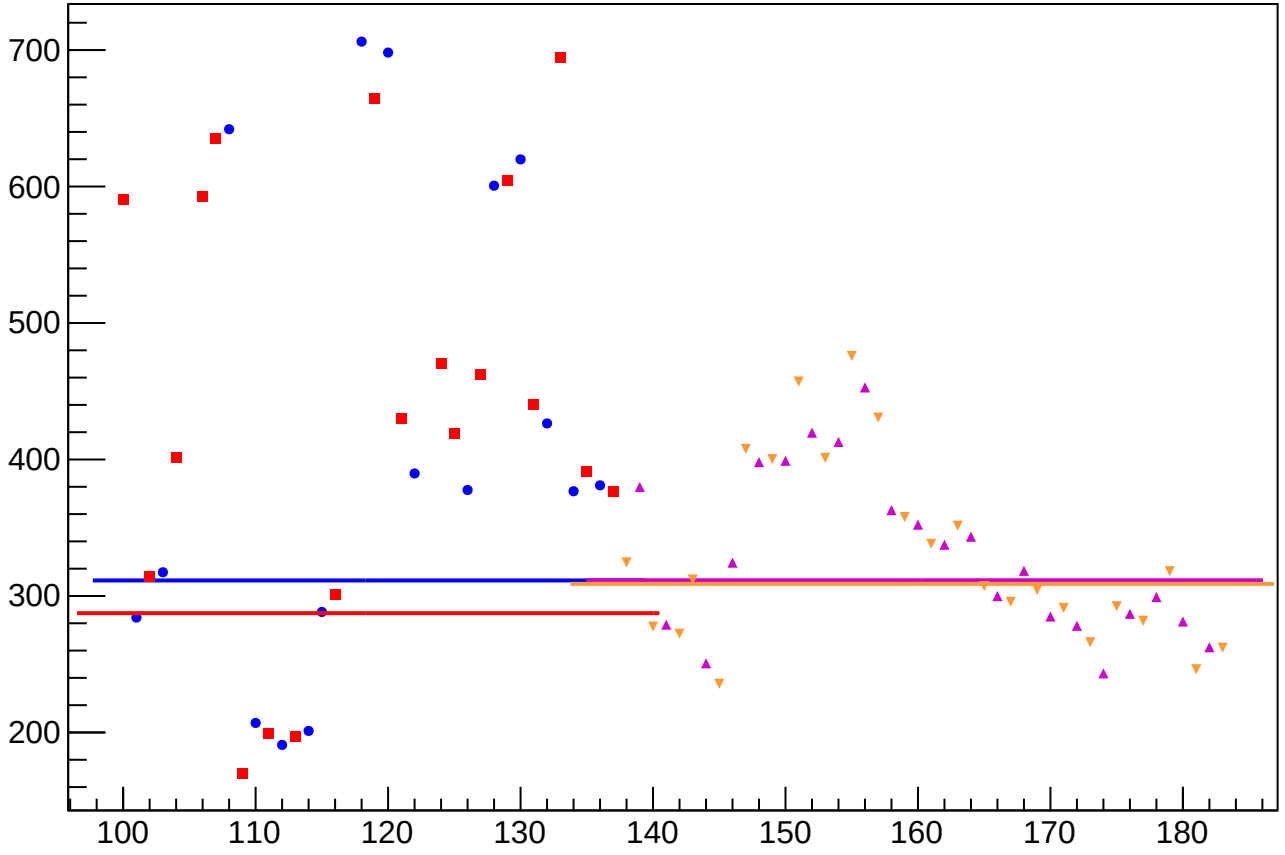
Left In: -50.143+/-74.650 χ^2/NDF:29.1/21

+ sign -237.899+/-62.583 χ^2/NDF: 81.2/39

All: -168.799+/-44.429 χ^2/NDF: 126.8/80

- sign -98.588+/-63.084 χ^2/NDF: 43.1/40

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 308.866+/-0.051 χ^2/NDF:1271772.0/23

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

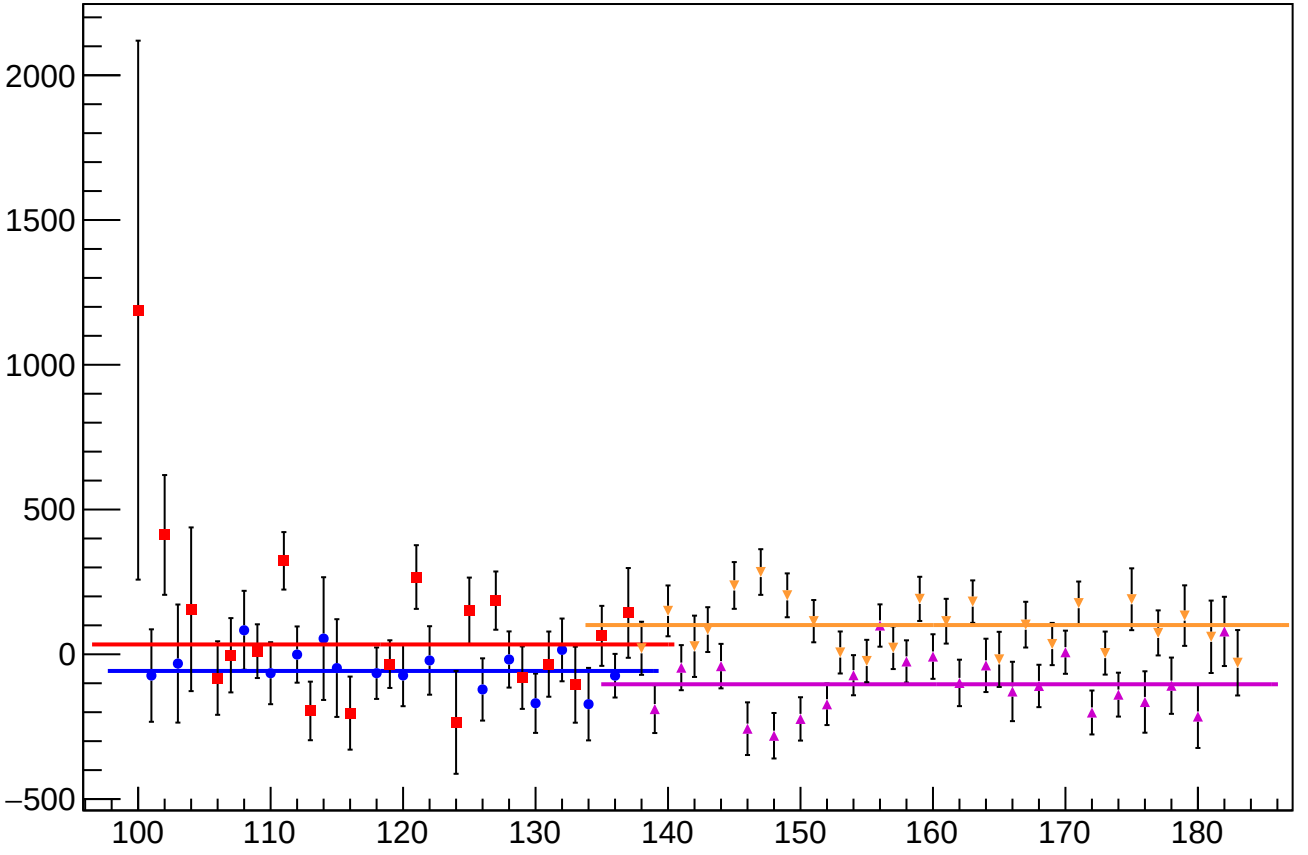
Left In: 311.523+/-0.053 χ^2/NDF:1068188.6/21

+ sign 309.489+/-0.044 χ^2/NDF: 3396175.2/39

All: 307.079+/-0.031 χ^2/NDF: 7220237.5/80

- sign 304.631+/-0.045 χ^2/NDF: 3818083.8/40

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 100.996+/-16.730 χ^2/NDF:27.5/23

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

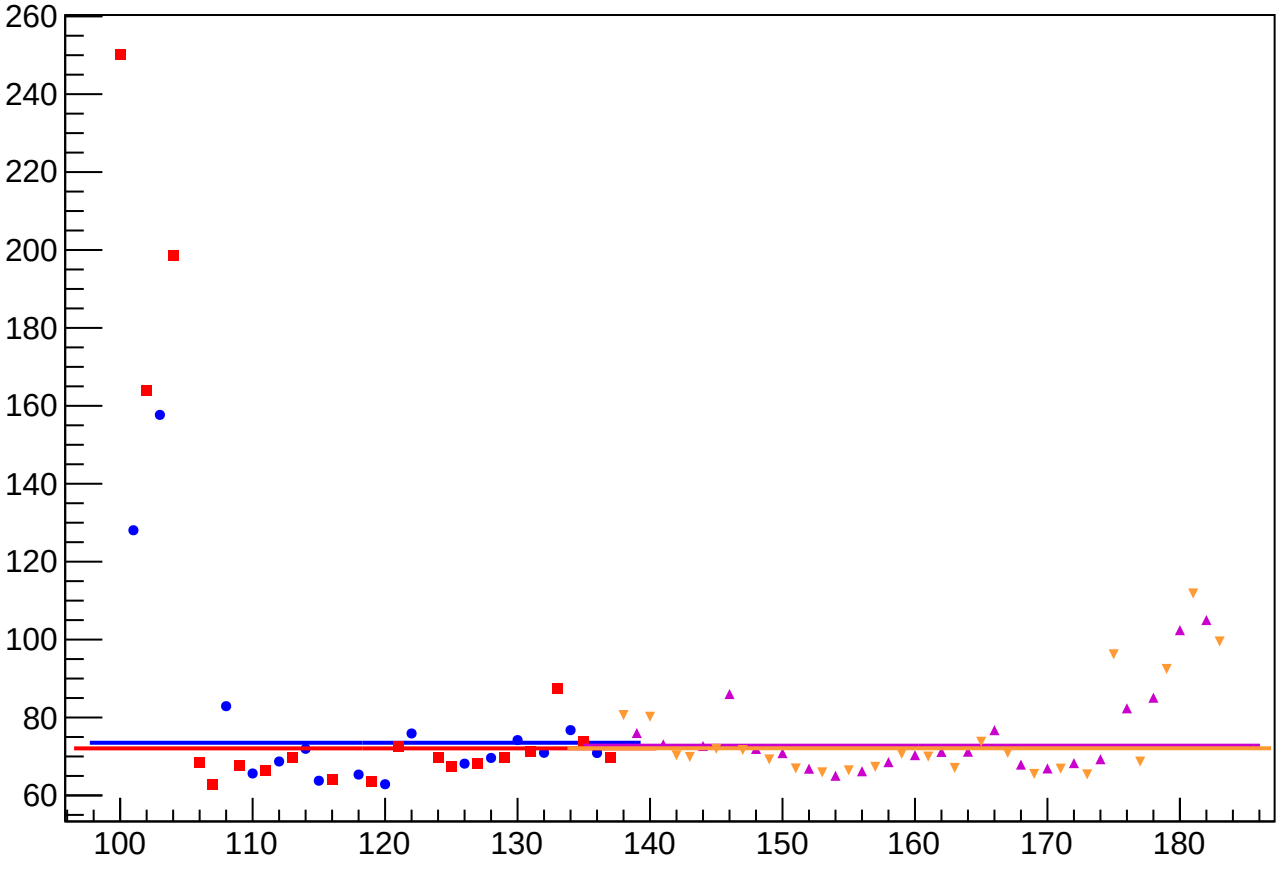
Left In: -103.498+/-17.357 χ^2/NDF:32.7/21

+ sign 59.481+/-14.373 χ^2/NDF: 55.9/39

All: -1.082+/-10.264 χ^2/NDF: 180.0/80

- sign -64.109+/-14.663 χ^2/NDF: 87.8/40

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 72.103+/-0.012 χ^2/NDF:640742.5/23

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

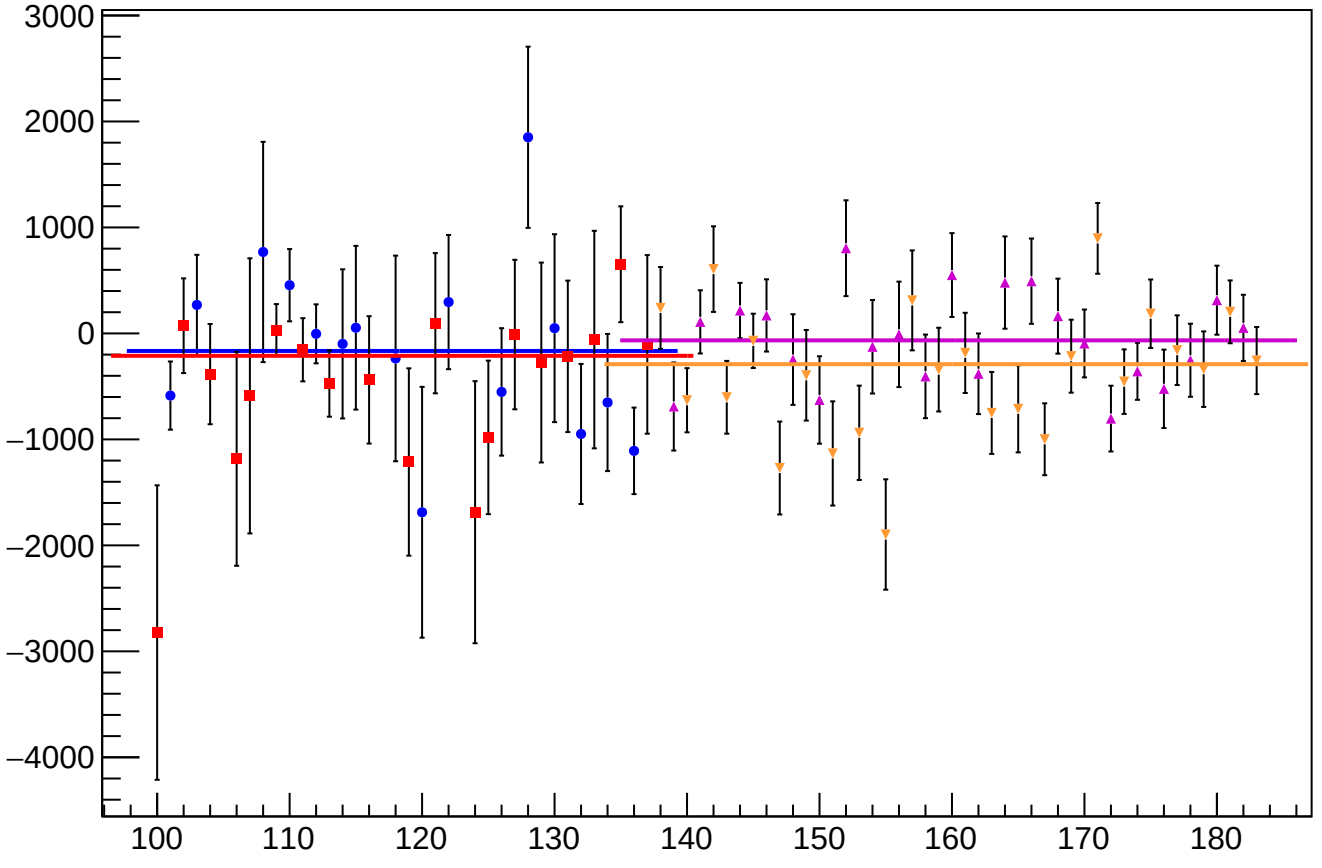
Left In: 72.768+/-0.012 χ^2/NDF:489759.1/21

+ sign 72.474+/-0.010 χ^2/NDF: 1301340.5/39

All: 72.521+/-0.007 χ^2/NDF: 2750554.8/80

- sign 72.570+/-0.010 χ^2/NDF: 1449171.0/40

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -290.497+/-73.231 χ^2/NDF:56.0/23

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

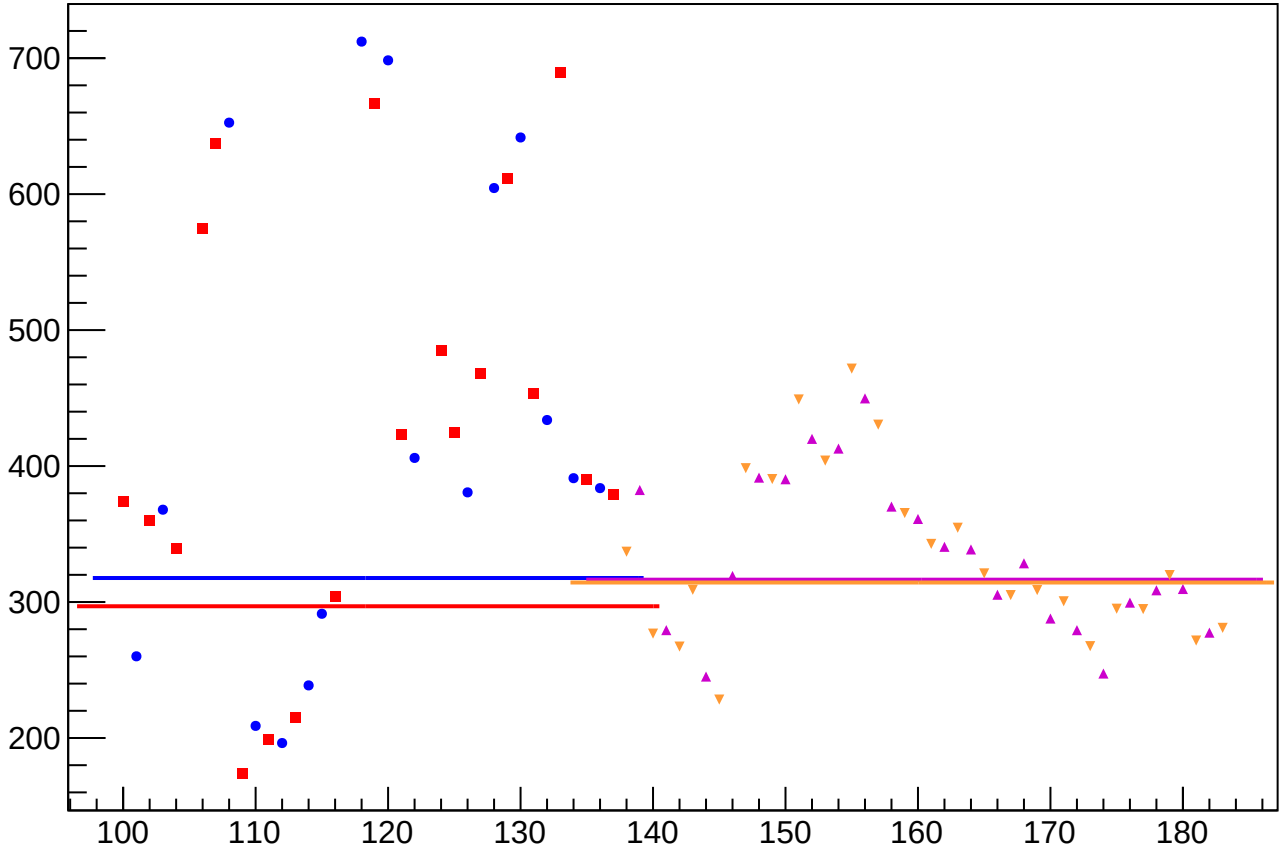
Left In: -65.514+/-75.750 χ^2/NDF:27.9/21

+ sign -259.830+/-63.617 χ^2/NDF: 79.3/39

All: -183.965+/-45.145 χ^2/NDF: 124.8/80

- sign -107.006+/-64.073 χ^2/NDF: 42.6/40

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 314.362+/-0.052 χ^2/NDF:1160846.9/23

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

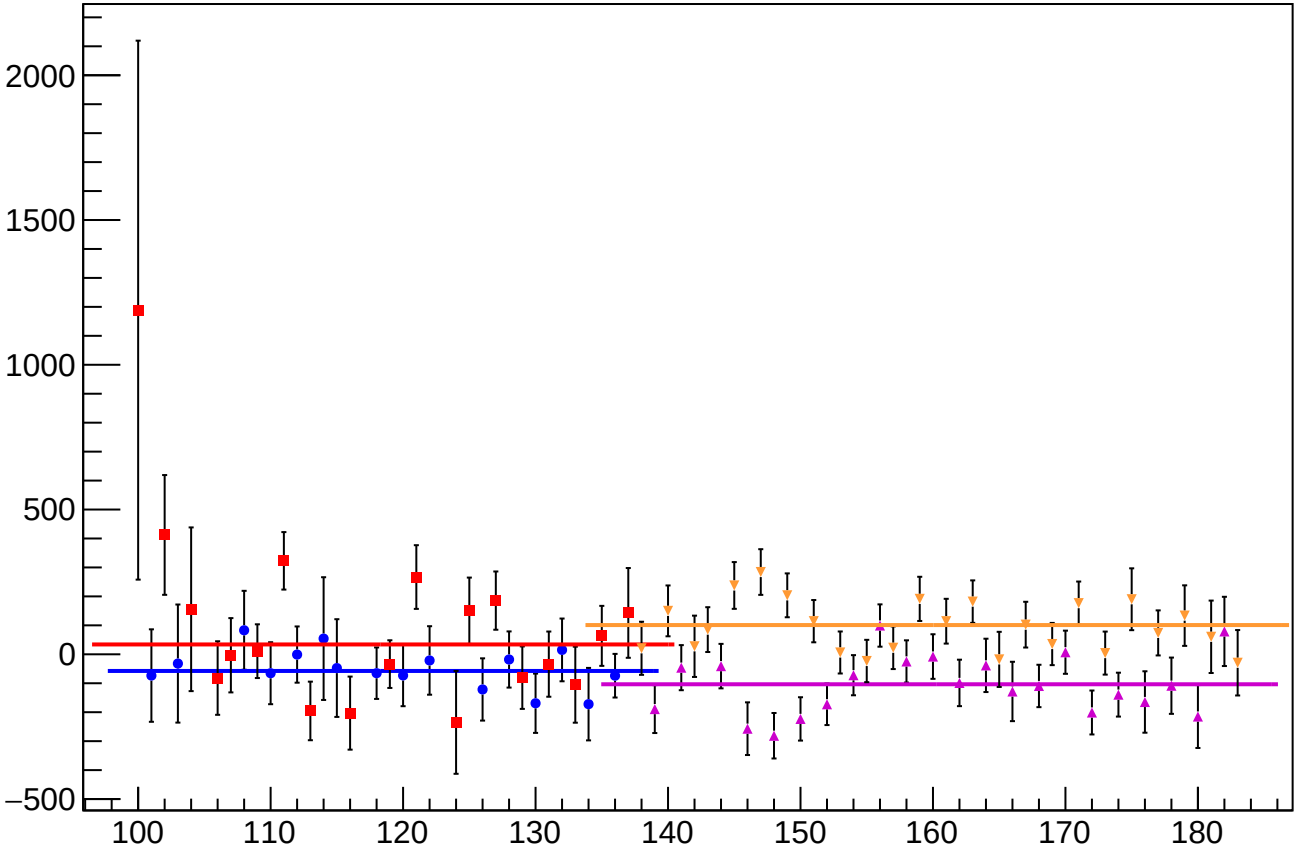
Left In: 316.429+/-0.054 χ^2/NDF:993753.4/21

+ sign 315.172+/-0.045 χ^2/NDF: 3298037.4/39

All: 313.036+/-0.032 χ^2/NDF: 6875241.1/80

- sign 310.869+/-0.045 χ^2/NDF: 3572662.3/40

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 100.996+/-16.730 χ^2/NDF:27.5/23

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

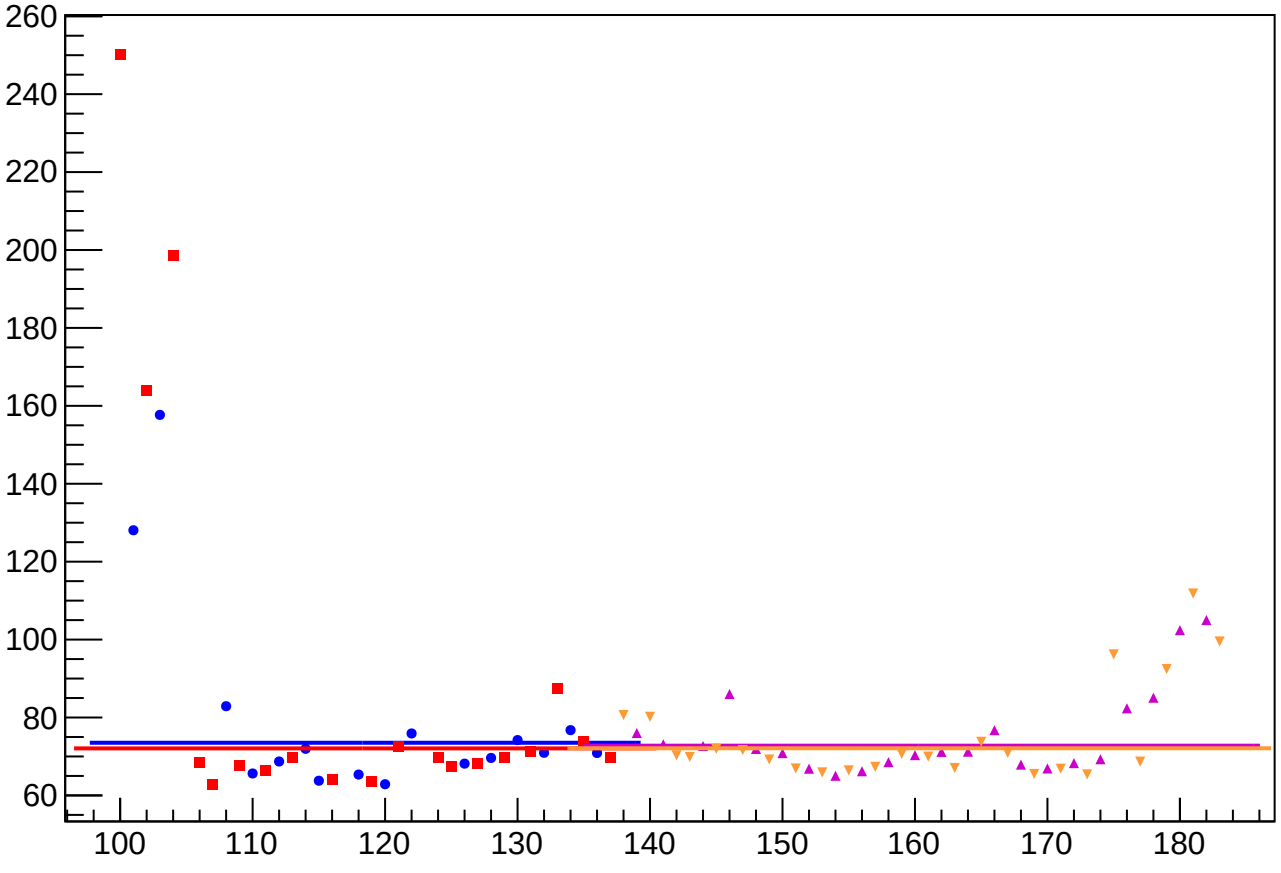
Left In: -103.498+/-17.357 χ^2/NDF:32.7/21

+ sign 59.481+/-14.373 χ^2/NDF: 55.9/39

All: -1.082+/-10.264 χ^2/NDF: 180.0/80

- sign -64.108+/-14.663 χ^2/NDF: 87.8/40

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 72.103+/-0.012 χ^2/NDF:640739.8/23

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

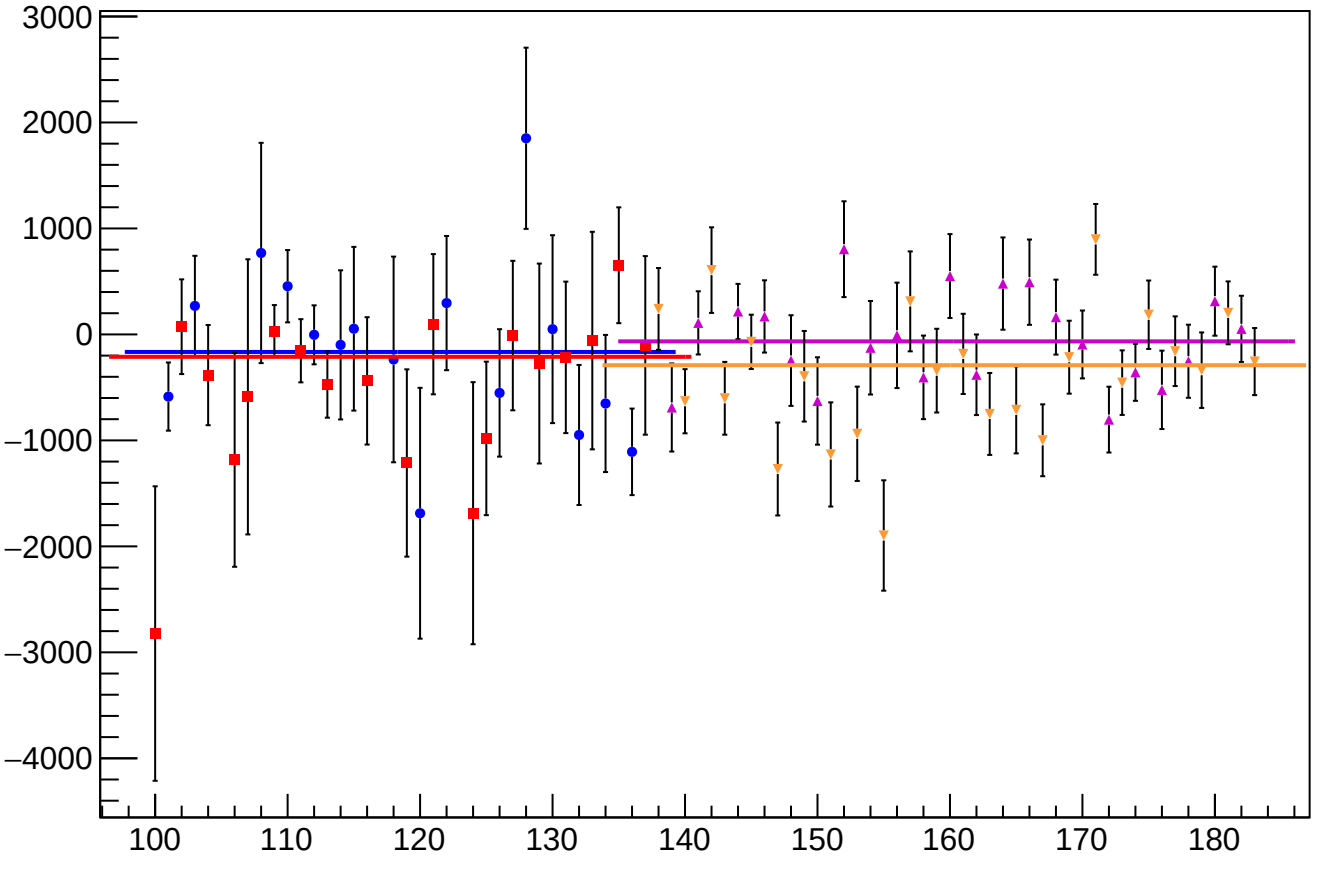
Left In: 72.768+/-0.012 χ^2/NDF:489759.8/21

+ sign 72.474+/-0.010 χ^2/NDF: 1301338.7/39

All: 72.521+/-0.007 χ^2/NDF: 2750555.4/80

- sign 72.570+/-0.010 χ^2/NDF: 1449173.4/40

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -290.497+/-73.231 χ^2/NDF:56.0/23

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

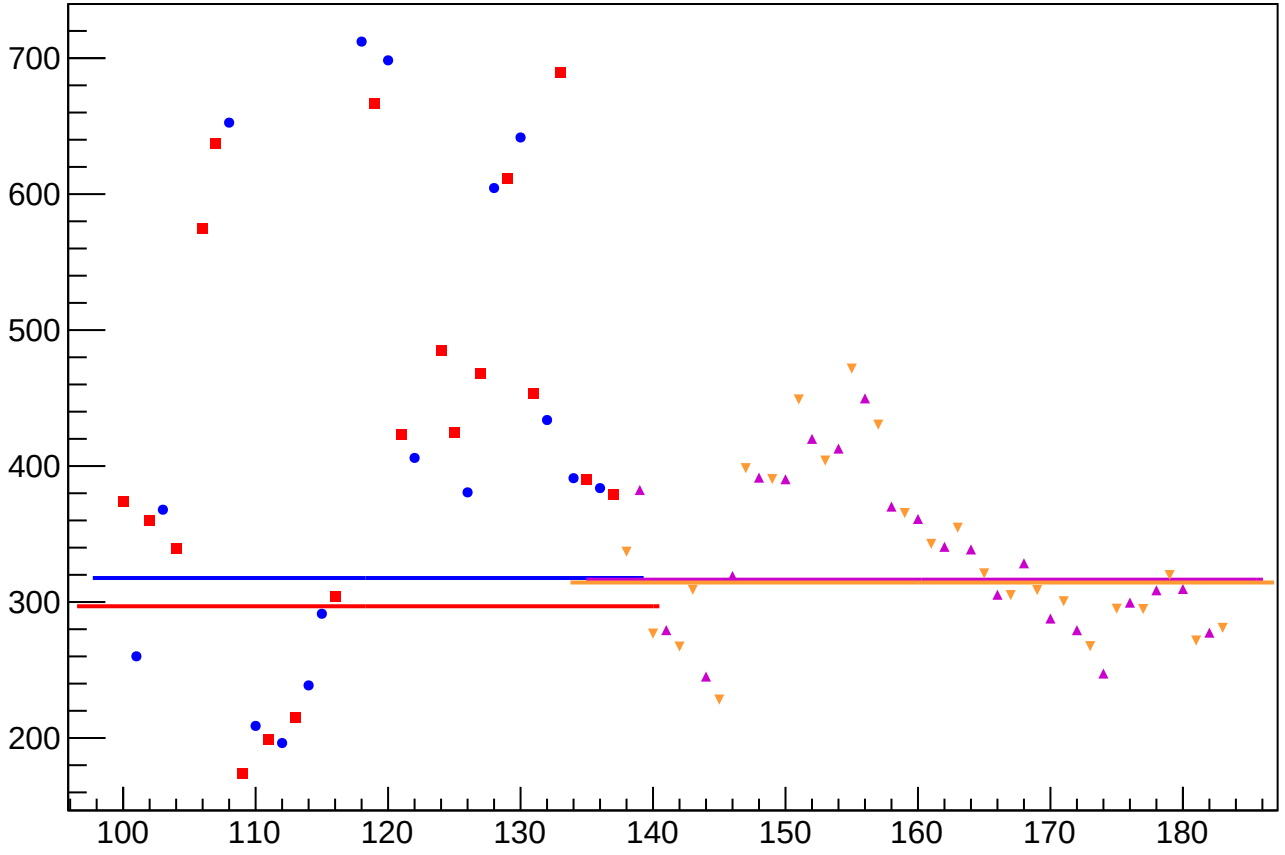
Left In: -65.513+/-75.750 χ^2/NDF:27.9/21

+ sign -259.830+/-63.617 χ^2/NDF: 79.3/39

All: -183.964+/-45.145 χ^2/NDF: 124.8/80

- sign -107.006+/-64.073 χ^2/NDF: 42.6/40

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 314.362+/-0.052 χ^2/NDF:1160852.5/23

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

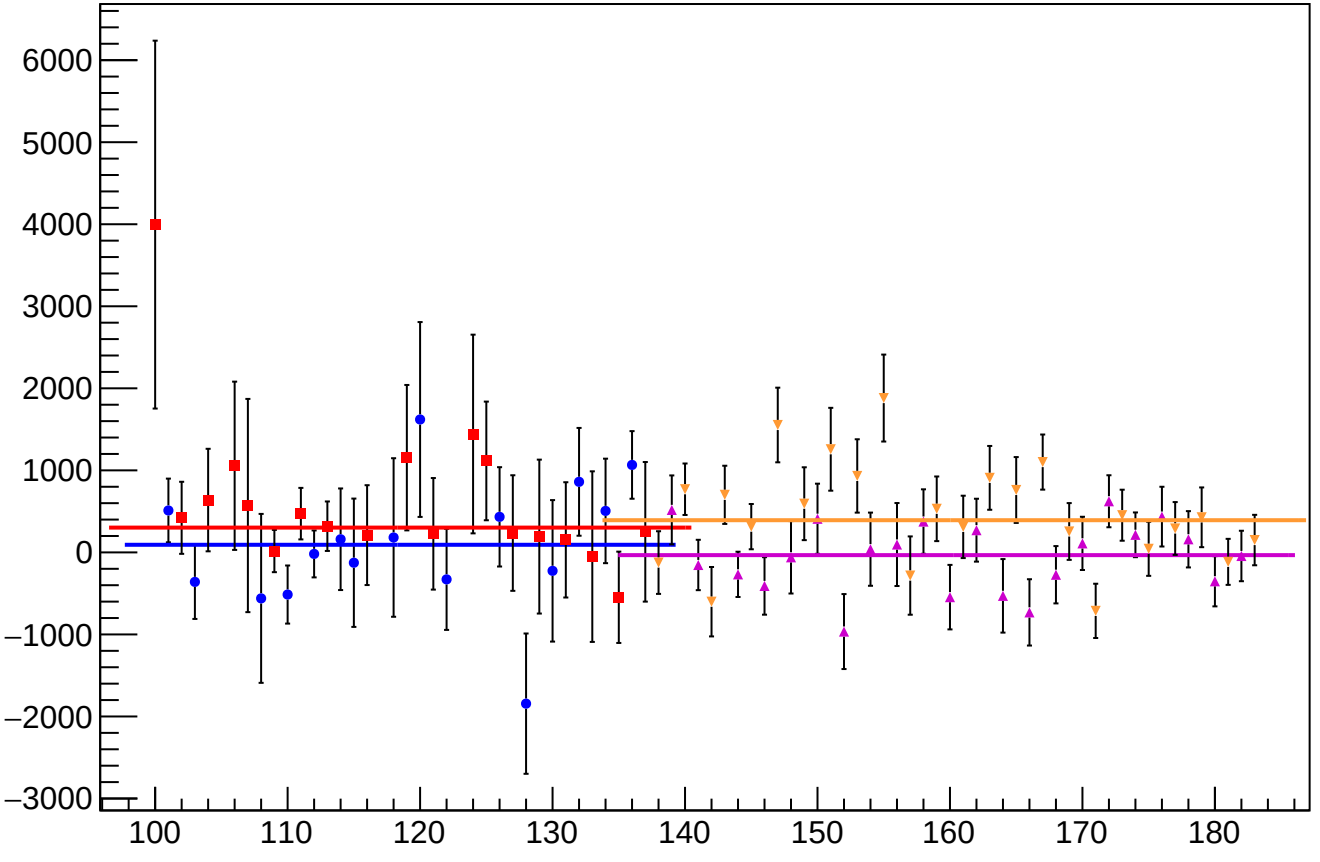
Left In: 316.429+/-0.054 χ^2/NDF:993752.2/21

+ sign 315.171+/-0.045 χ^2/NDF: 3298073.1/39

All: 313.035+/-0.032 χ^2/NDF: 6875293.0/80

- sign 310.869+/-0.045 χ^2/NDF: 3572679.0/40

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 392.331+/-73.908 χ^2/NDF:54.3/23

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

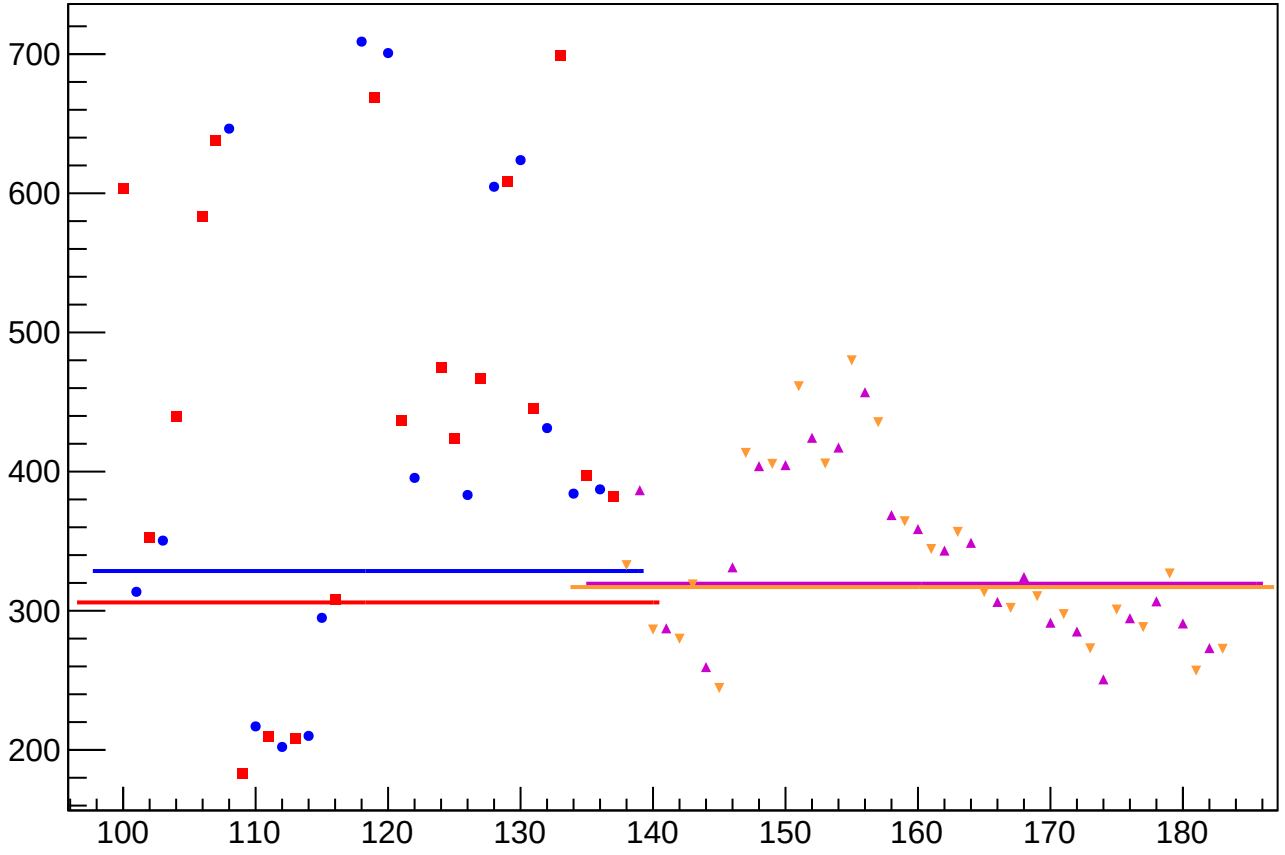
Left In: -33.359+/-76.442 χ^2/NDF:25.5/21

+ sign 320.781+/-64.479 χ^2/NDF: 79.1/39

All: 191.139+/-45.797 χ^2/NDF: 128.9/80

- sign 59.157+/-65.059 χ^2/NDF: 41.7/40

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 317.037+/-0.052 χ^2/NDF:1167064.2/23

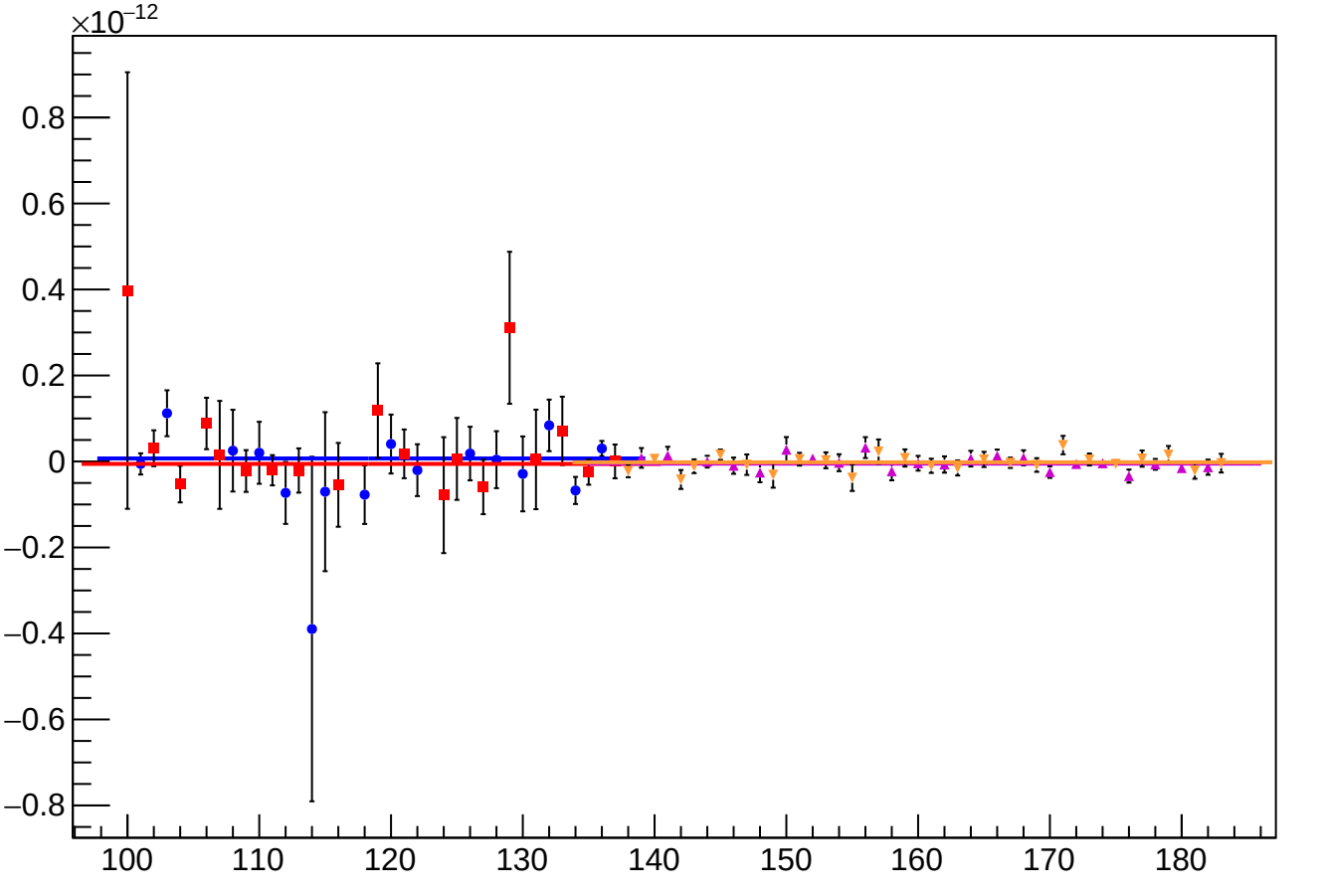
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 319.450+/-0.054 χ^2/NDF:982206.2/21

+ sign 319.791+/-0.046 χ^2/NDF: 3137564.2/39

All: 317.783+/-0.032 χ^2/NDF: 6668244.8/80

- sign 315.740+/-0.046 χ^2/NDF: 3526767.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/23

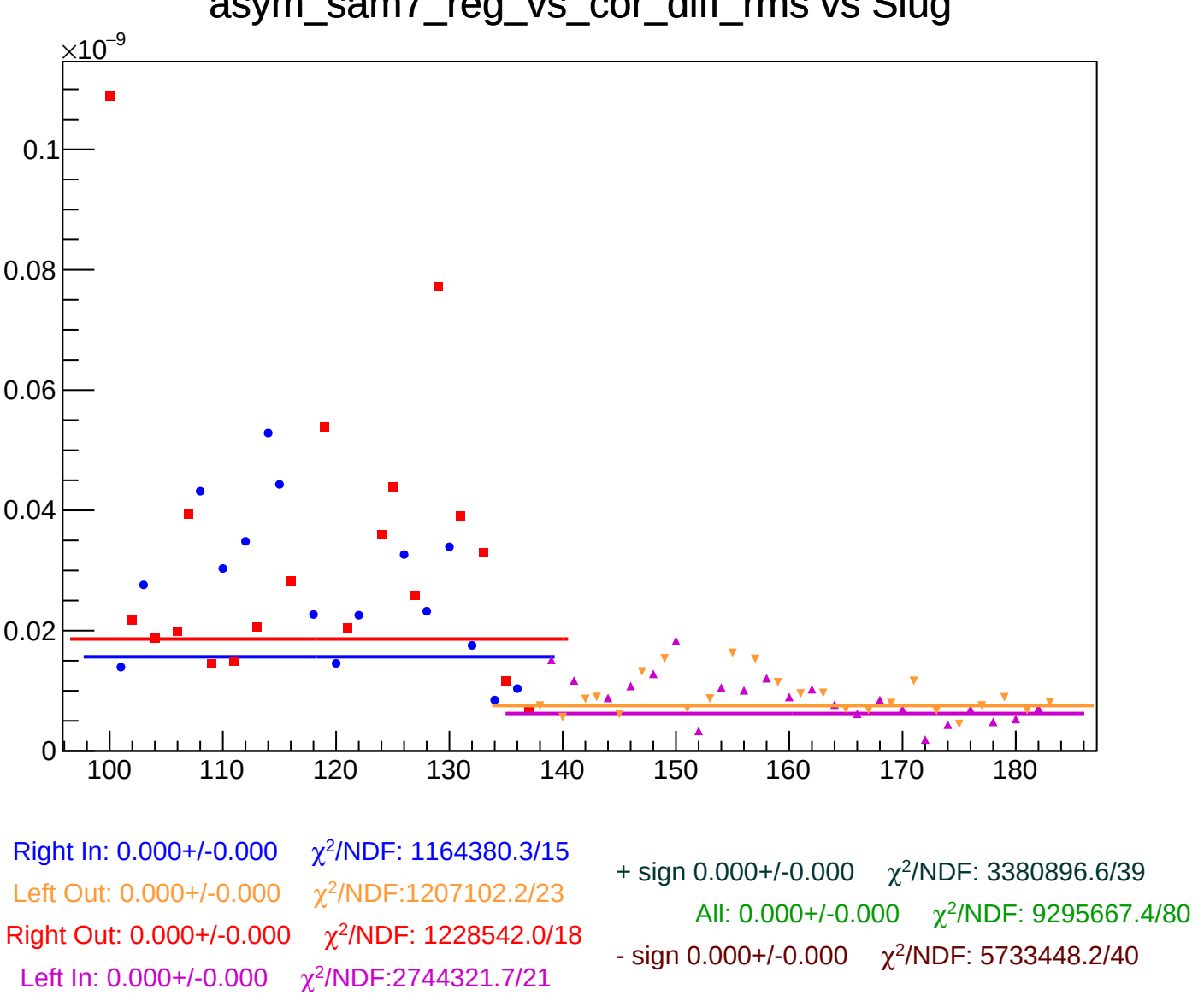
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/21

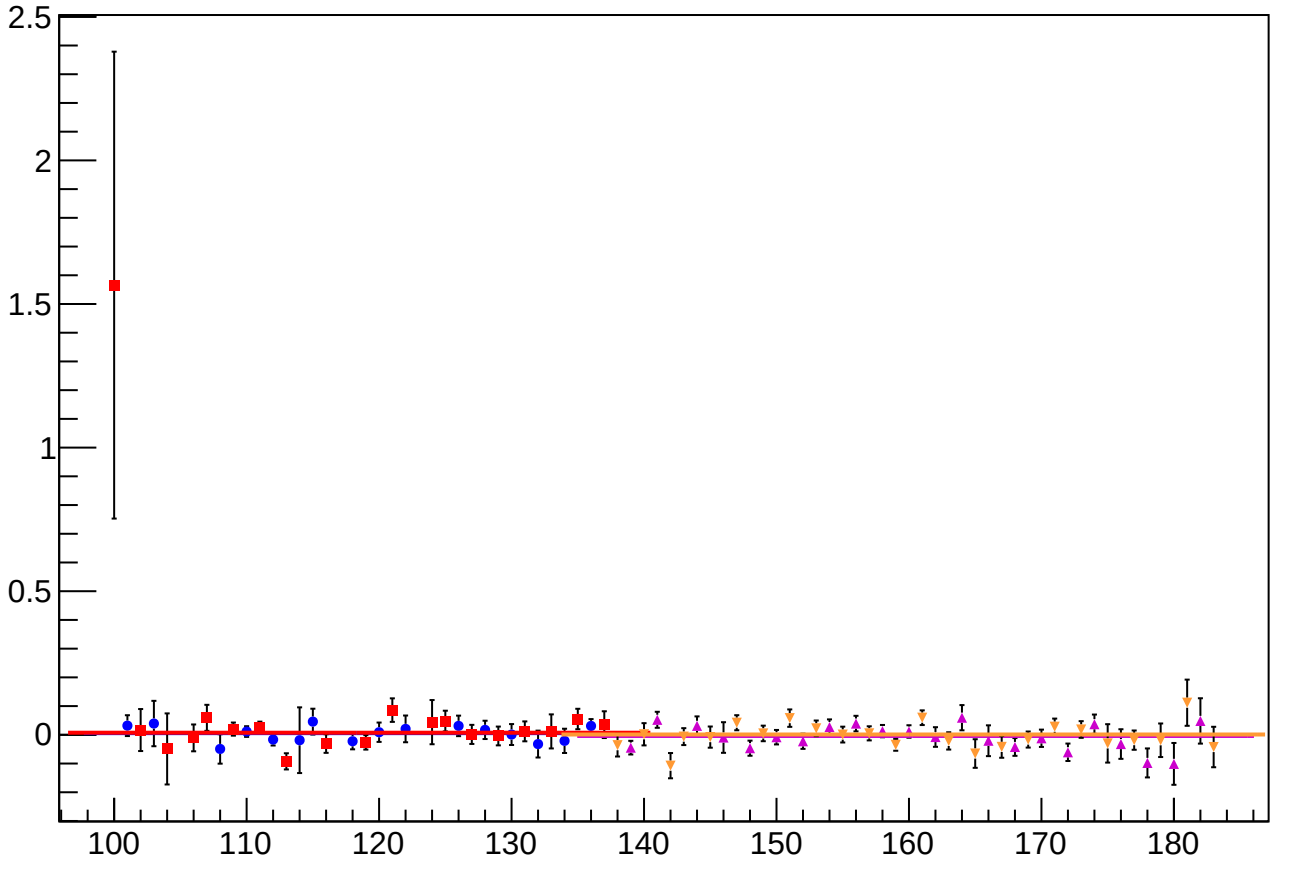
+ sign -0.000+/-0.000 χ^2/NDF: 37.3/39

All: -0.000+/-0.000 χ^2/NDF: 67.8/80

- sign -0.000+/-0.000 χ^2/NDF: 29.7/40


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1164380.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1207102.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:2744321.7/21
+ sign 0.000+/-0.000 χ²/NDF: 3380896.6/39
All: 0.000+/-0.000 χ²/NDF: 9295667.4/80
- sign 0.000+/-0.000 χ²/NDF: 5733448.2/40

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:30.3/23

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

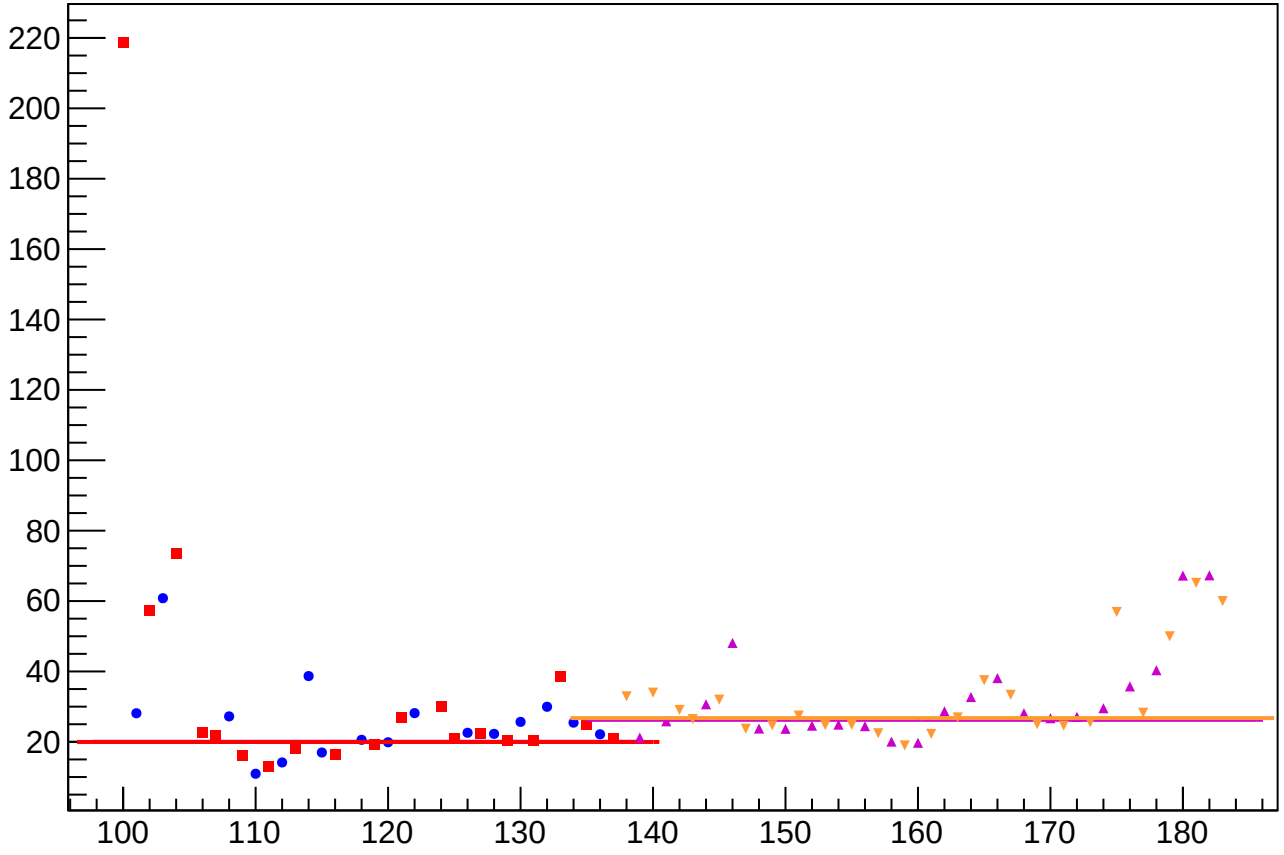
Left In: -0.004+/-0.007 χ^2/NDF:31.1/21

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/39

All: 0.002+/-0.004 χ^2/NDF: 100.6/80

- sign 0.001+/-0.005 χ^2/NDF: 62.1/40

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.745+/-0.005 χ^2/NDF:2439108.0/23

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

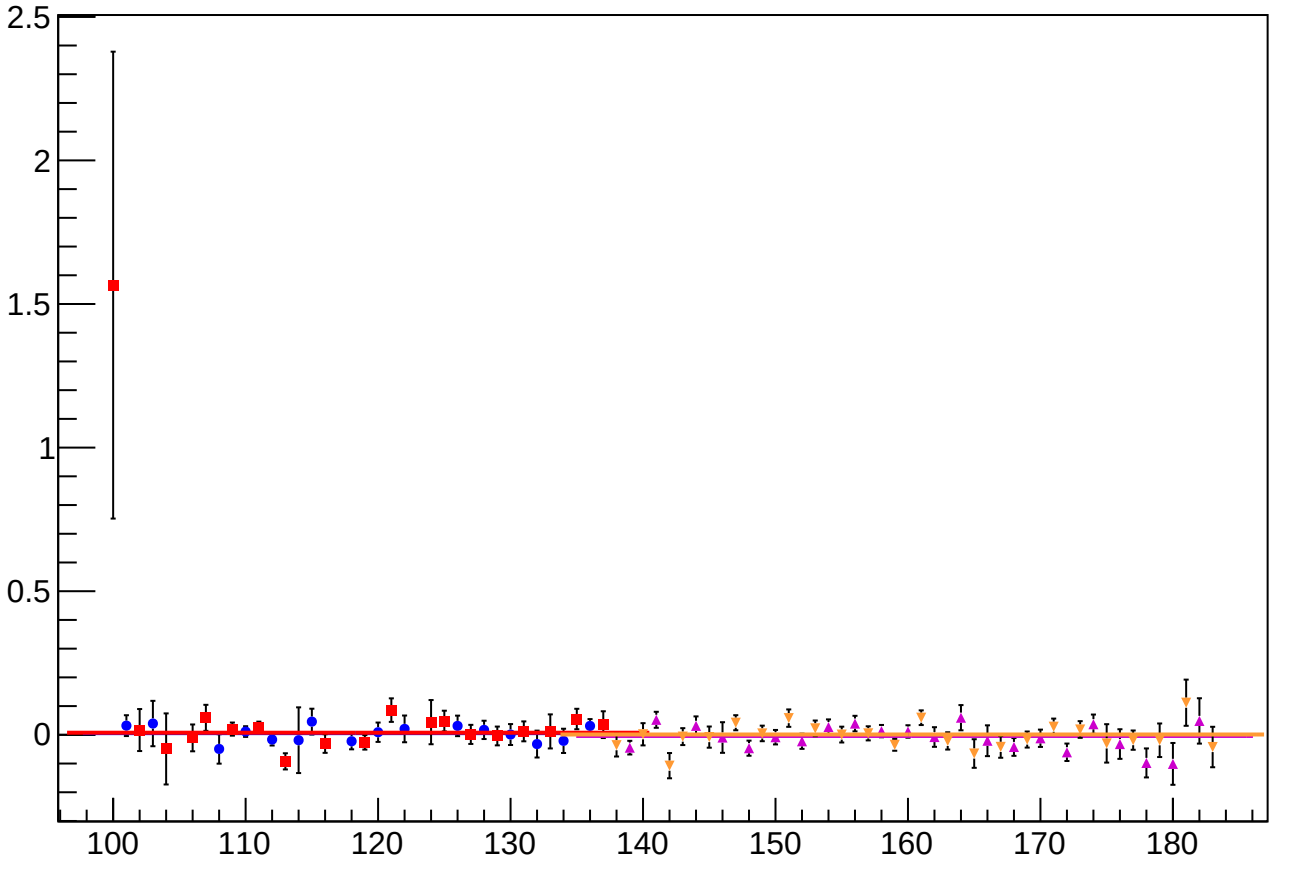
Left In: 26.257+/-0.005 χ^2/NDF:2447130.0/21

+ sign 24.119+/-0.004 χ^2/NDF: 4913235.9/39

All: 23.928+/-0.003 χ^2/NDF: 9807445.8/80

- sign 23.734+/-0.004 χ^2/NDF: 4888546.4/40

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:30.3/23

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

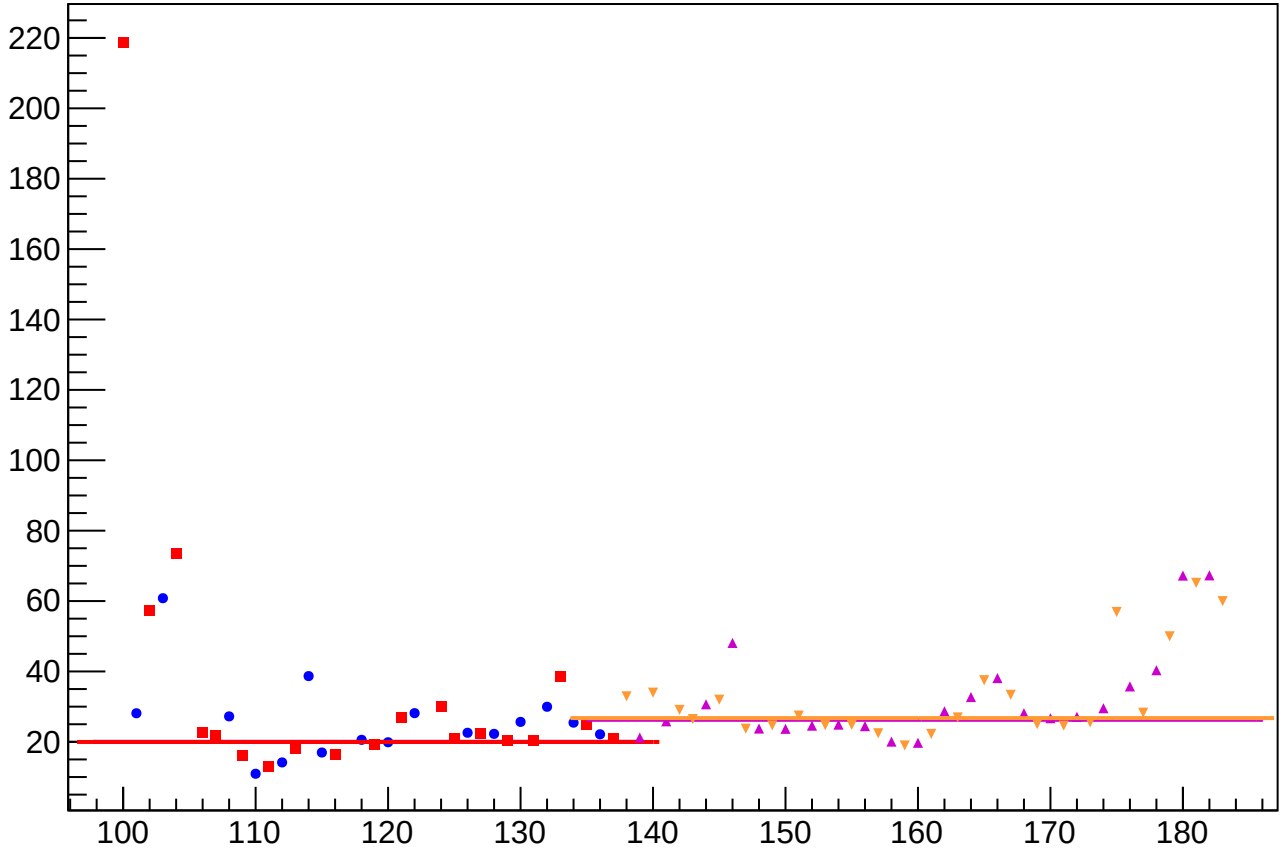
Left In: -0.004+/-0.007 χ^2/NDF:31.1/21

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/39

All: 0.002+/-0.004 χ^2/NDF: 100.6/80

- sign 0.001+/-0.005 χ^2/NDF: 62.1/40

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.745+/-0.005 χ^2/NDF:2439108.0/23

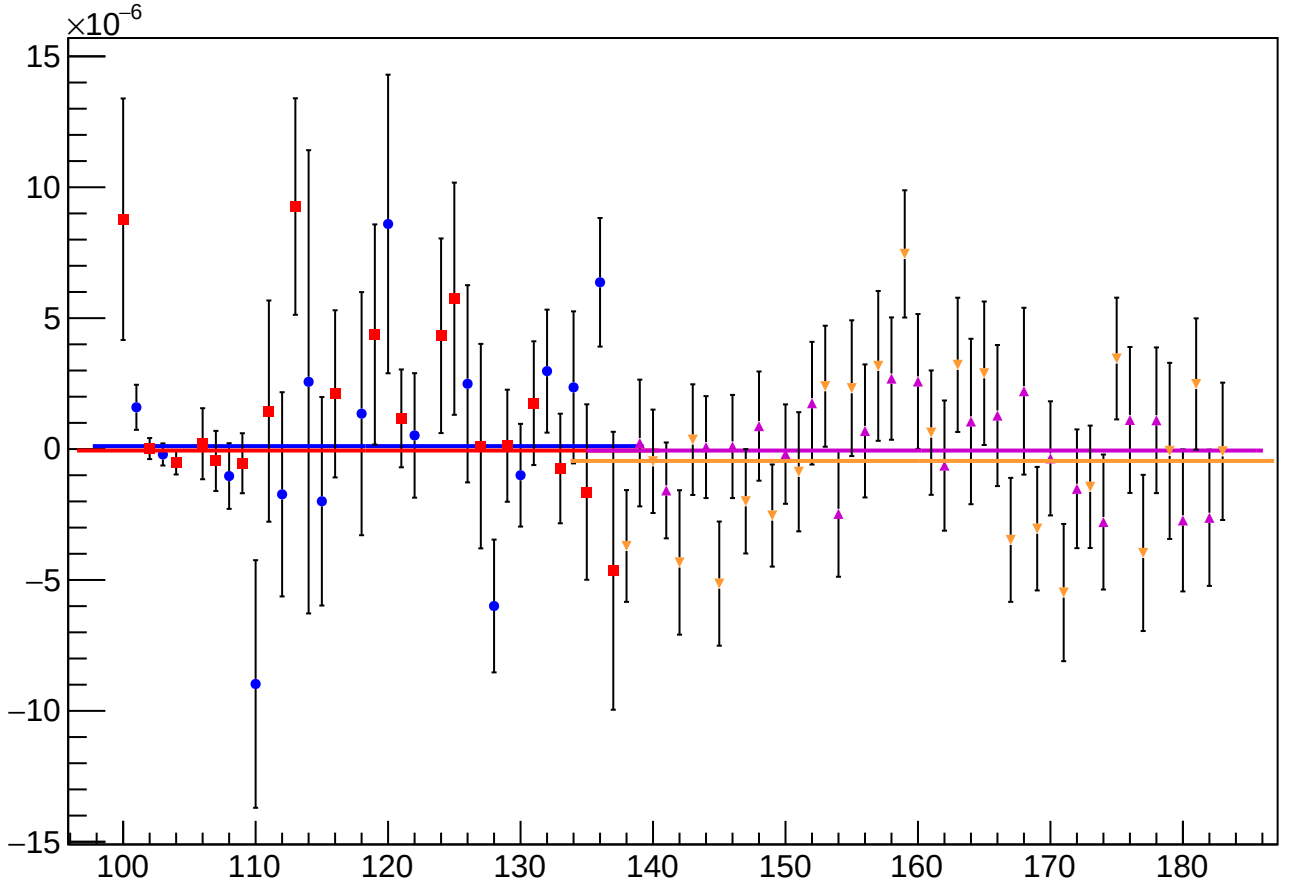
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.257+/-0.005 χ^2/NDF:2447130.0/21

+ sign 24.119+/-0.004 χ^2/NDF: 4913235.9/39

All: 23.928+/-0.003 χ^2/NDF: 9807445.8/80

- sign 23.734+/-0.004 χ^2/NDF: 4888546.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

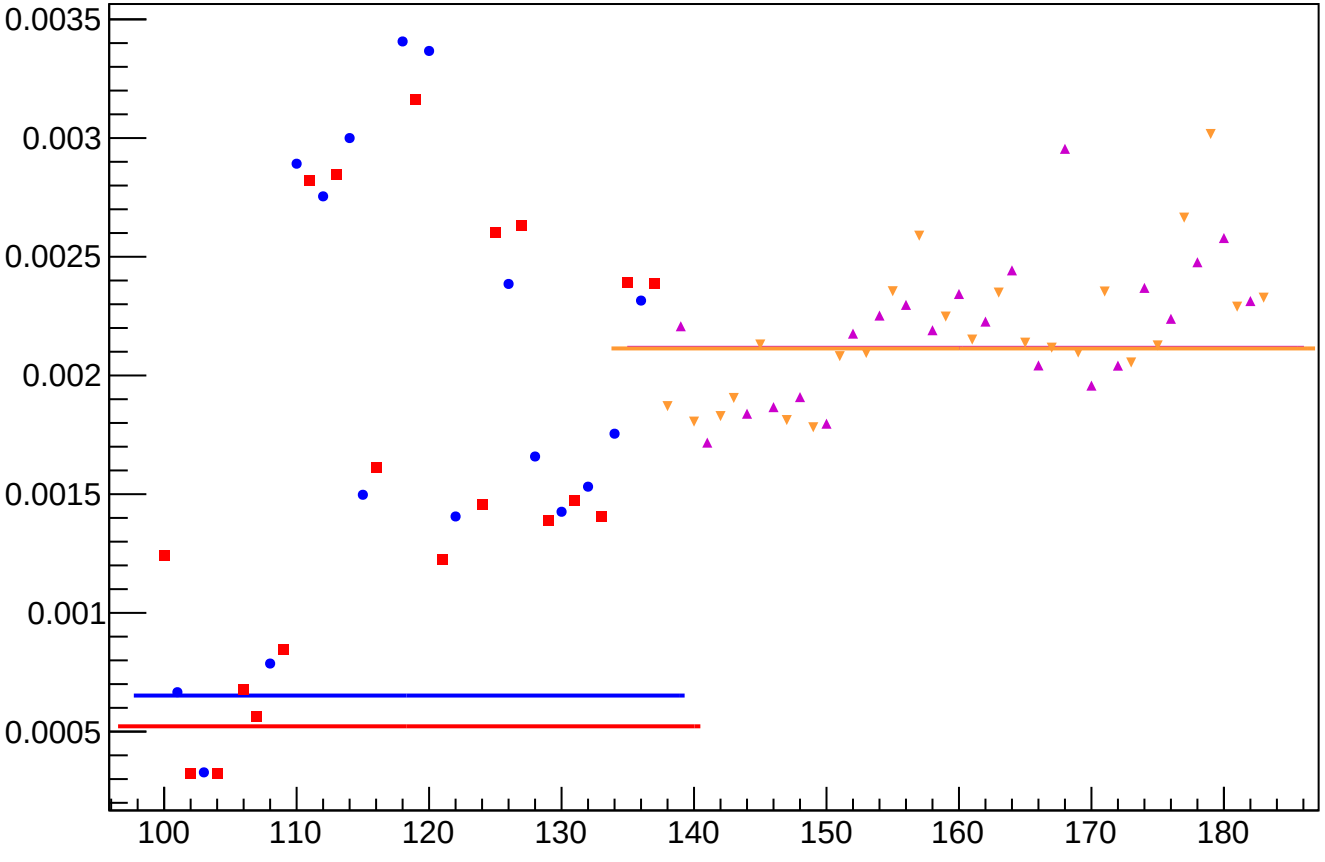
Left In: -0.000+/-0.000 χ^2/NDF:9.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 68.0/39

All: -0.000+/-0.000 χ^2/NDF: 94.9/80

- sign -0.000+/-0.000 χ^2/NDF: 26.9/40

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:569669.2/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

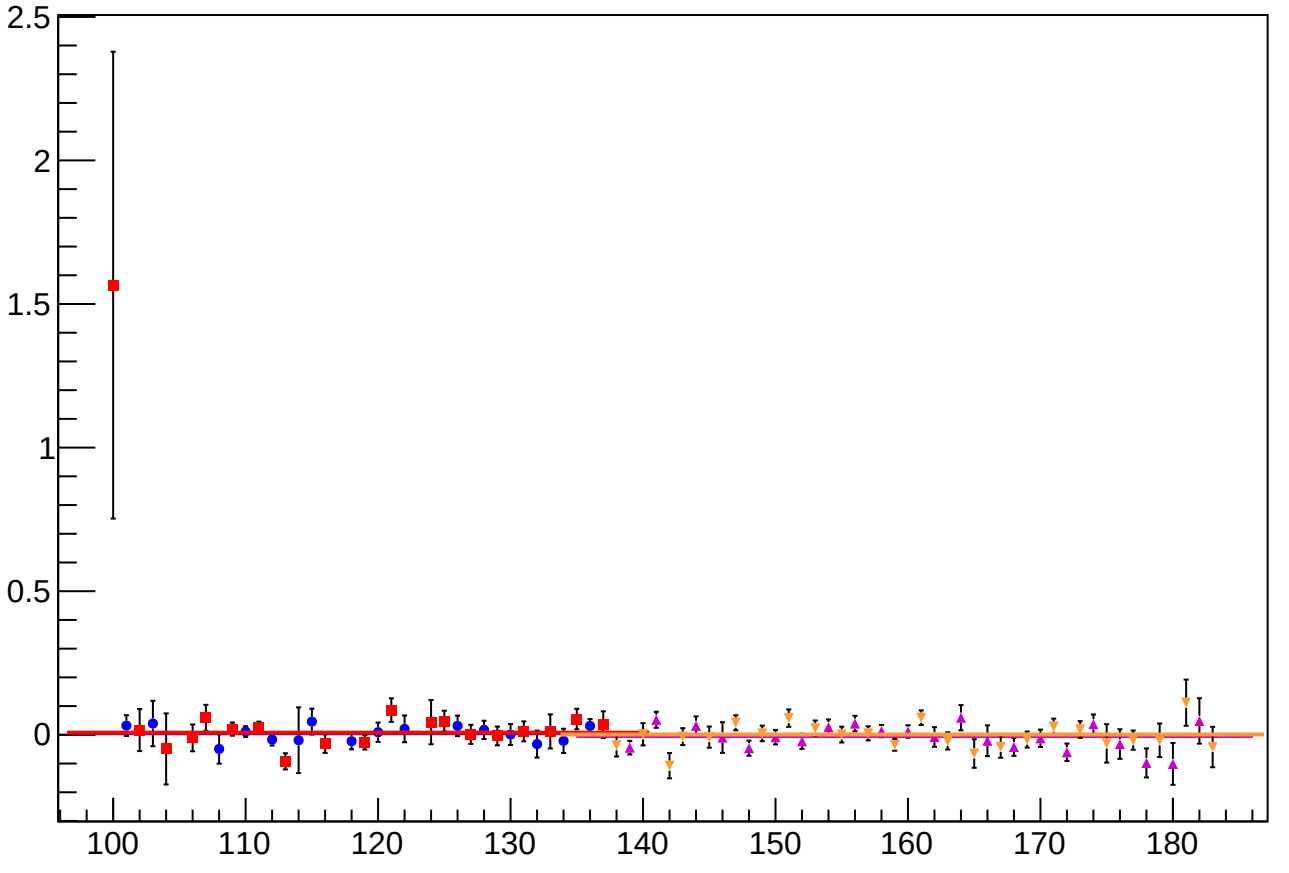
Left In: 0.002+/-0.000 χ^2/NDF:586836.9/21

\+ sign 0.001+/-0.000 χ^2/NDF: 19134376.2/39

All: 0.001+/-0.000 χ^2/NDF: 43224983.7/80

\- sign 0.001+/-0.000 χ^2/NDF: 23061937.4/40

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:30.3/23

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

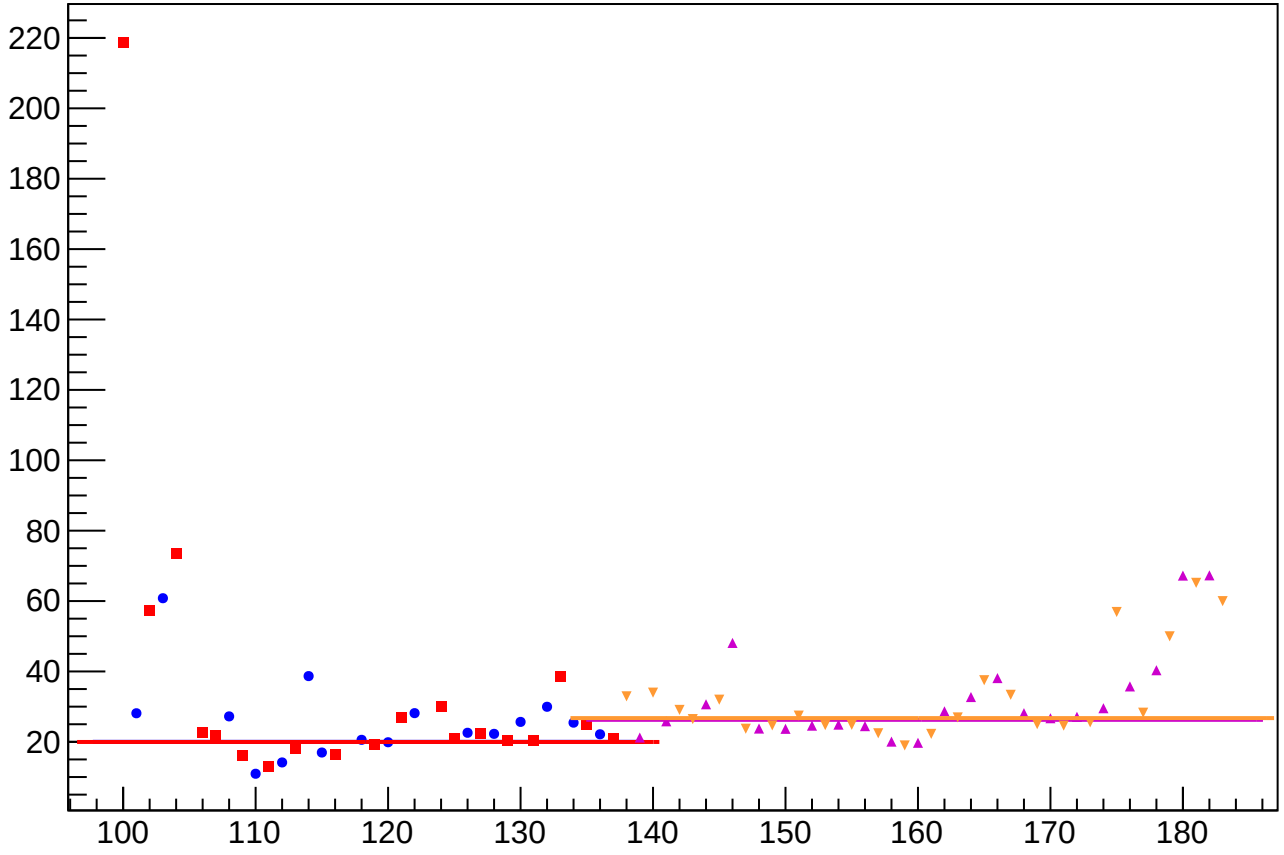
Left In: -0.004+/-0.007 χ^2/NDF:31.1/21

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/39

All: 0.002+/-0.004 χ^2/NDF: 100.6/80

- sign 0.001+/-0.005 χ^2/NDF: 62.1/40

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.745+/-0.005 χ^2/NDF:2439153.6/23

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

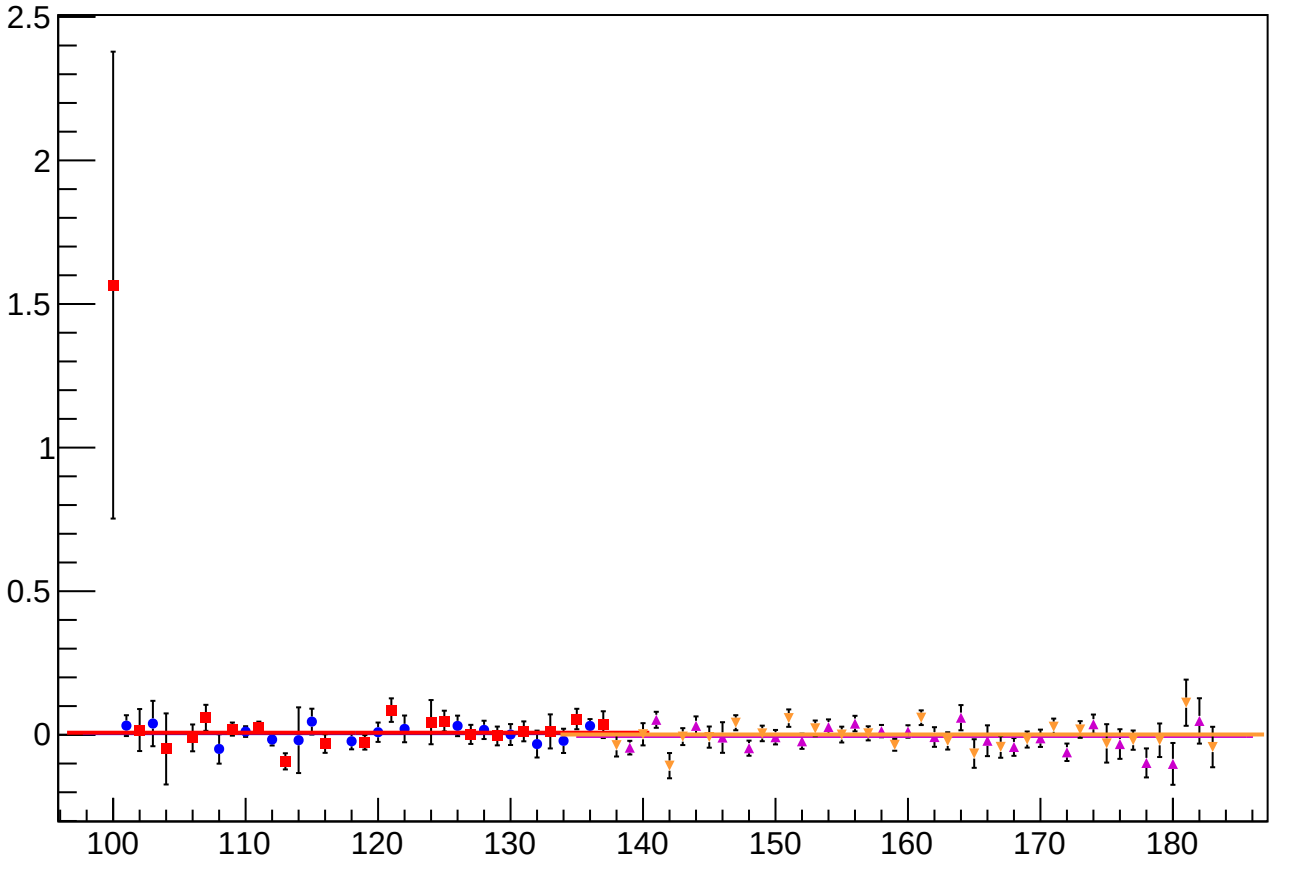
Left In: 26.257+/-0.005 χ^2/NDF:2447206.3/21

+ sign 24.119+/-0.004 χ^2/NDF: 4912978.2/39

All: 23.928+/-0.003 χ^2/NDF: 9807167.6/80

- sign 23.734+/-0.004 χ^2/NDF: 4888520.5/40

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:30.3/23

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

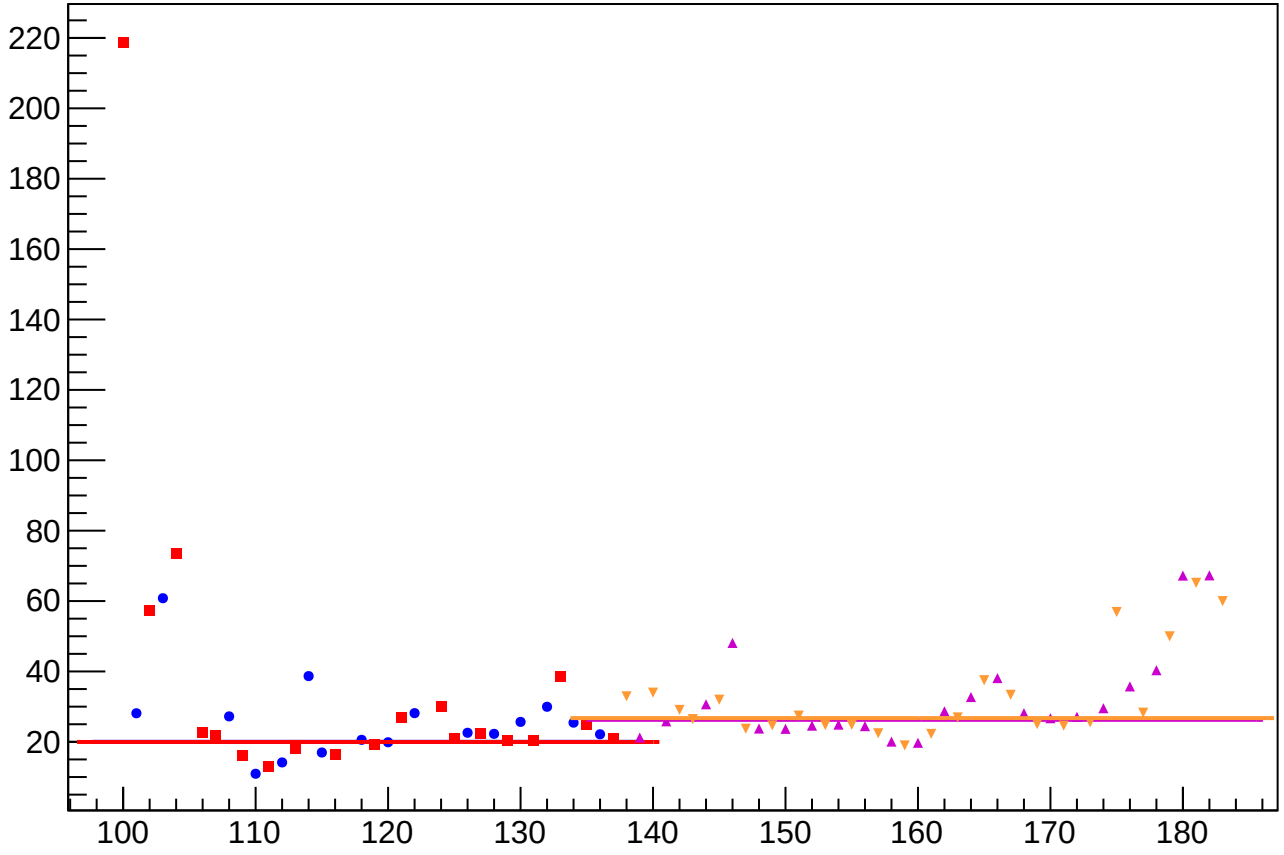
Left In: -0.004+/-0.007 χ^2/NDF:31.1/21

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/39

All: 0.002+/-0.004 χ^2/NDF: 100.6/80

- sign 0.001+/-0.005 χ^2/NDF: 62.1/40

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.745+/-0.005 χ^2/NDF:2439153.6/23

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

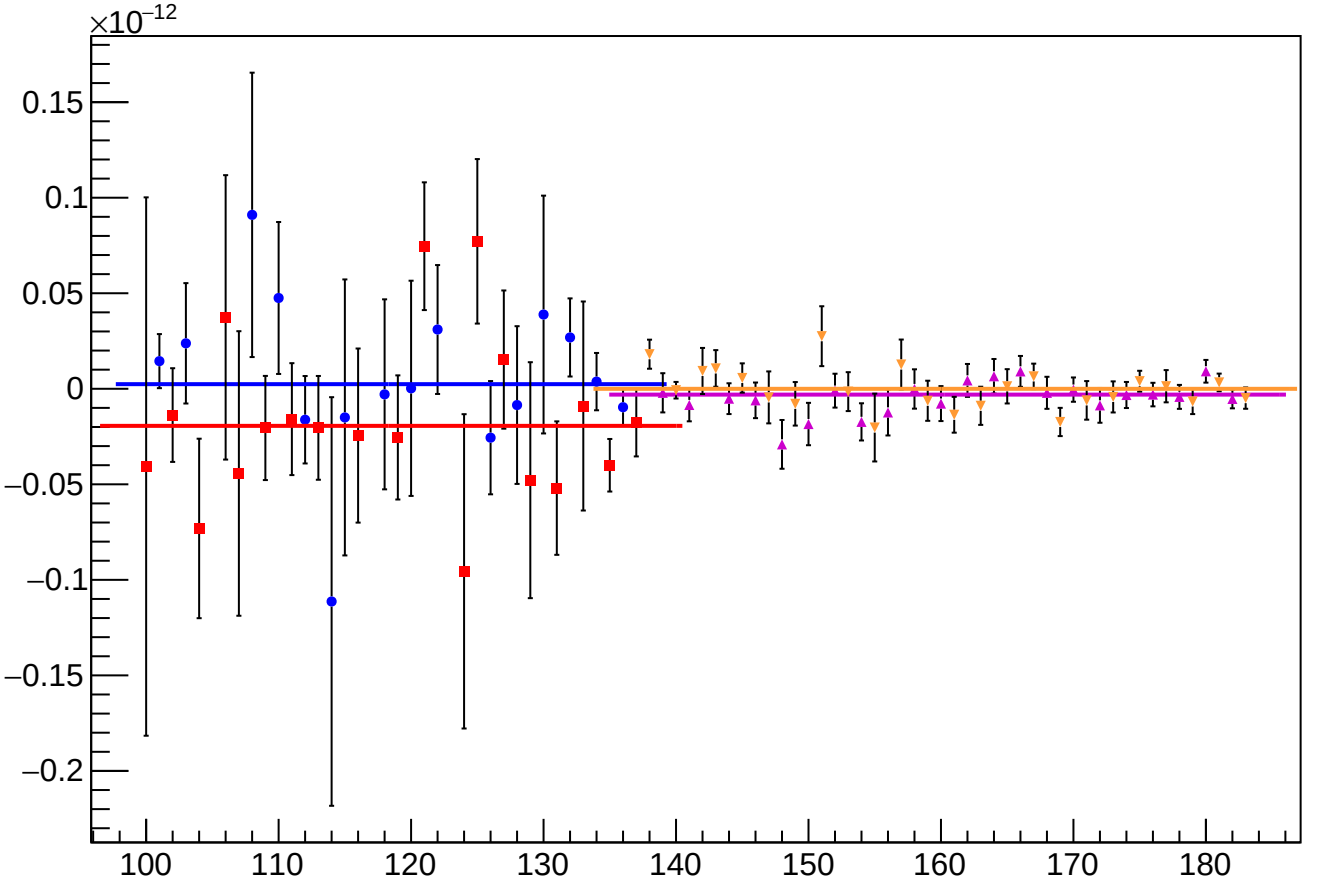
Left In: 26.257+/-0.005 χ^2/NDF:2447206.3/21

+ sign 24.119+/-0.004 χ^2/NDF: 4912978.2/39

All: 23.928+/-0.003 χ^2/NDF: 9807167.6/80

- sign 23.734+/-0.004 χ^2/NDF: 4888520.5/40

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.3/23

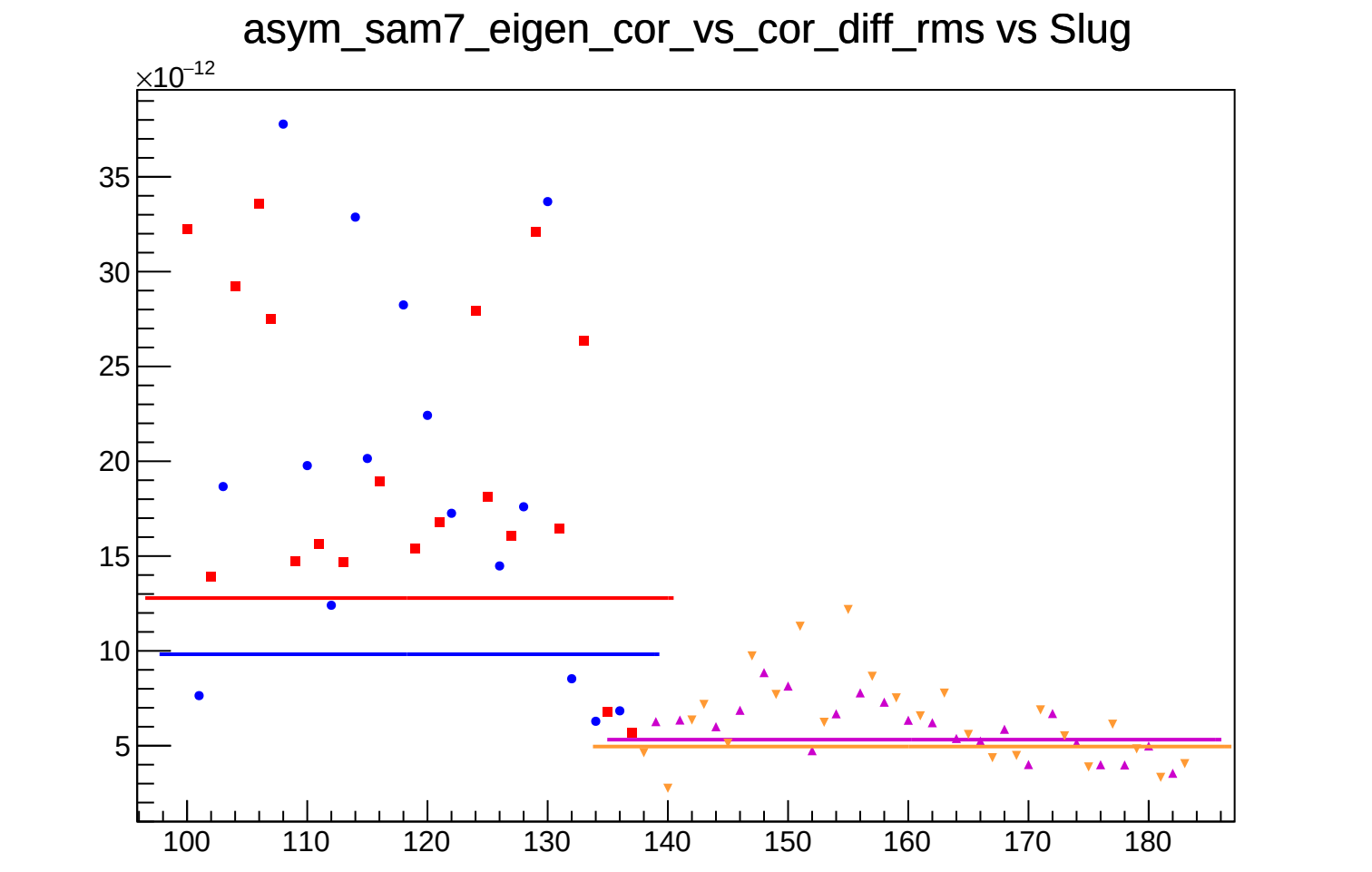
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/39

All: -0.000+/-0.000 χ^2/NDF: 85.9/80

- sign -0.000+/-0.000 χ^2/NDF: 44.3/40


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻¹²
35
30
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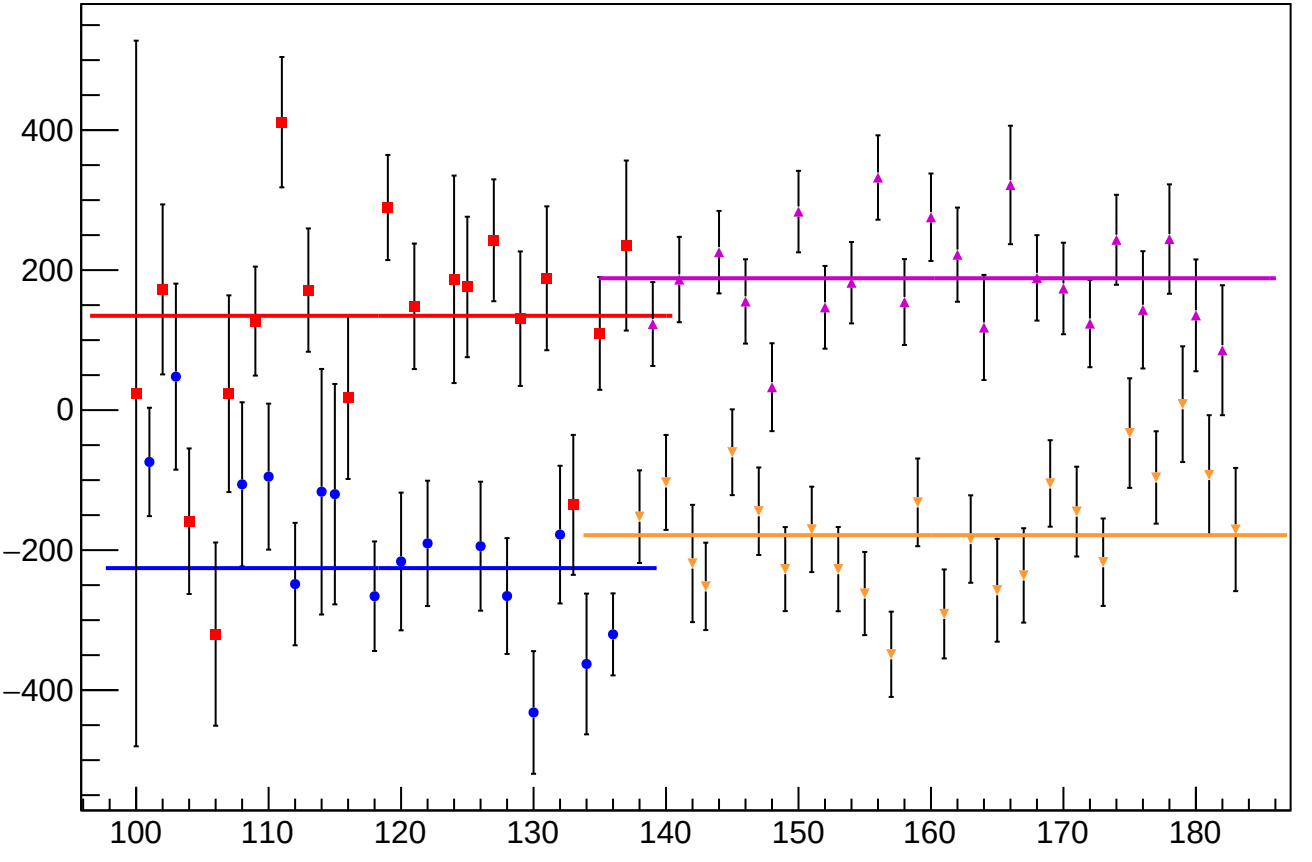
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2739699.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:1239753.8/21
+ sign 0.000+/-0.000 χ²/NDF: 6064941.5/39
All: 0.000+/-0.000 χ²/NDF: 11291273.7/80
- sign 0.000+/-0.000 χ²/NDF: 5155591.7/40

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.611+/-13.517 χ^2/NDF:37.0/23

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

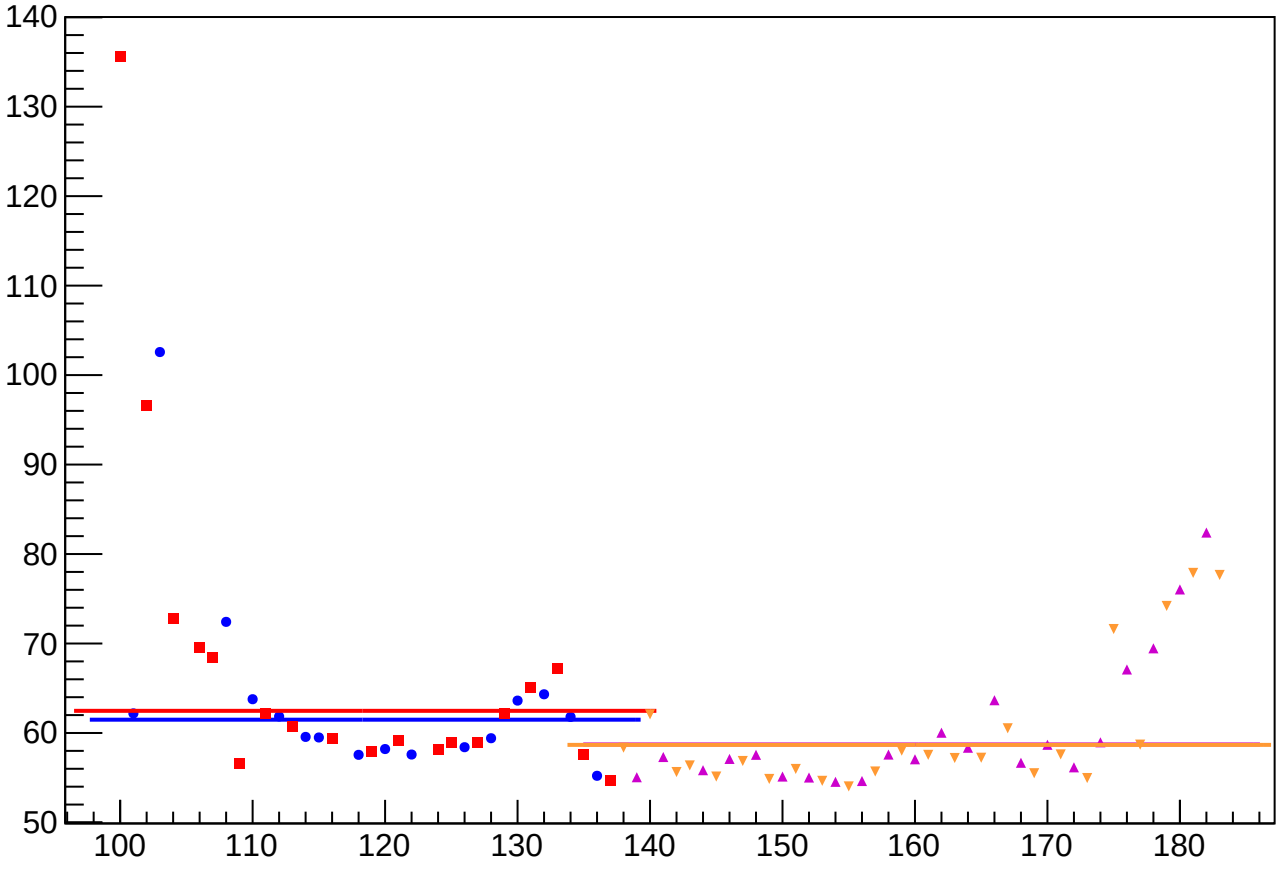
Left In: 188.398+/-13.923 χ^2/NDF:27.1/21

\+ sign -190.605+/-11.669 χ^2/NDF: 62.7/39

All: -12.360+/-8.344 χ^2/NDF: 616.5/80

\- sign 174.188+/-11.937 χ^2/NDF: 76.3/40

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 58.671+/-0.010 χ^2/NDF:393330.0/23

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

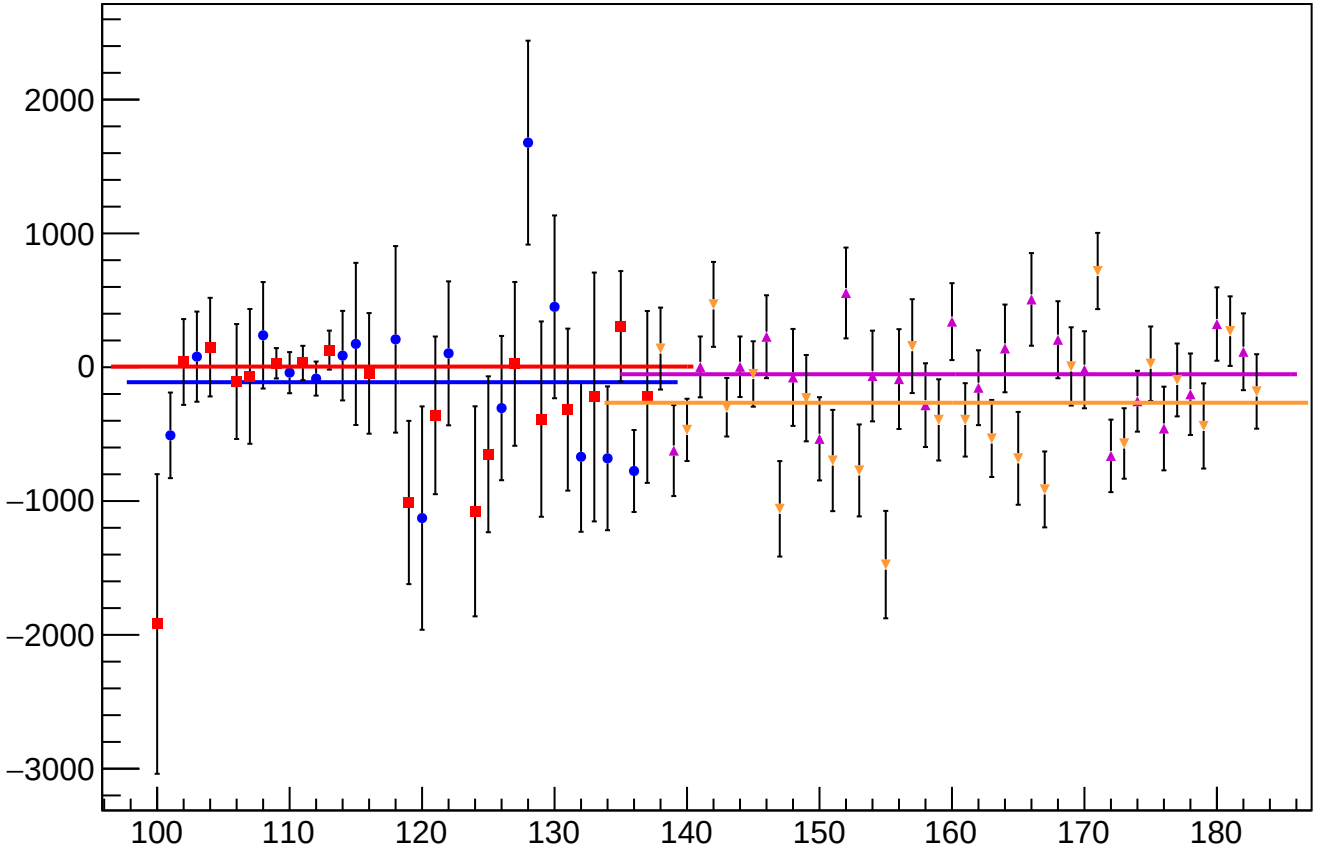
Left In: 58.720+/-0.010 χ^2/NDF:347747.1/21

+ sign 59.388+/-0.008 χ^2/NDF: 666098.2/39

All: 59.548+/-0.006 χ^2/NDF: 1334311.4/80

- sign 59.715+/-0.008 χ^2/NDF: 667444.6/40

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -265.424+/-59.407 χ^2/NDF:55.8/23

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

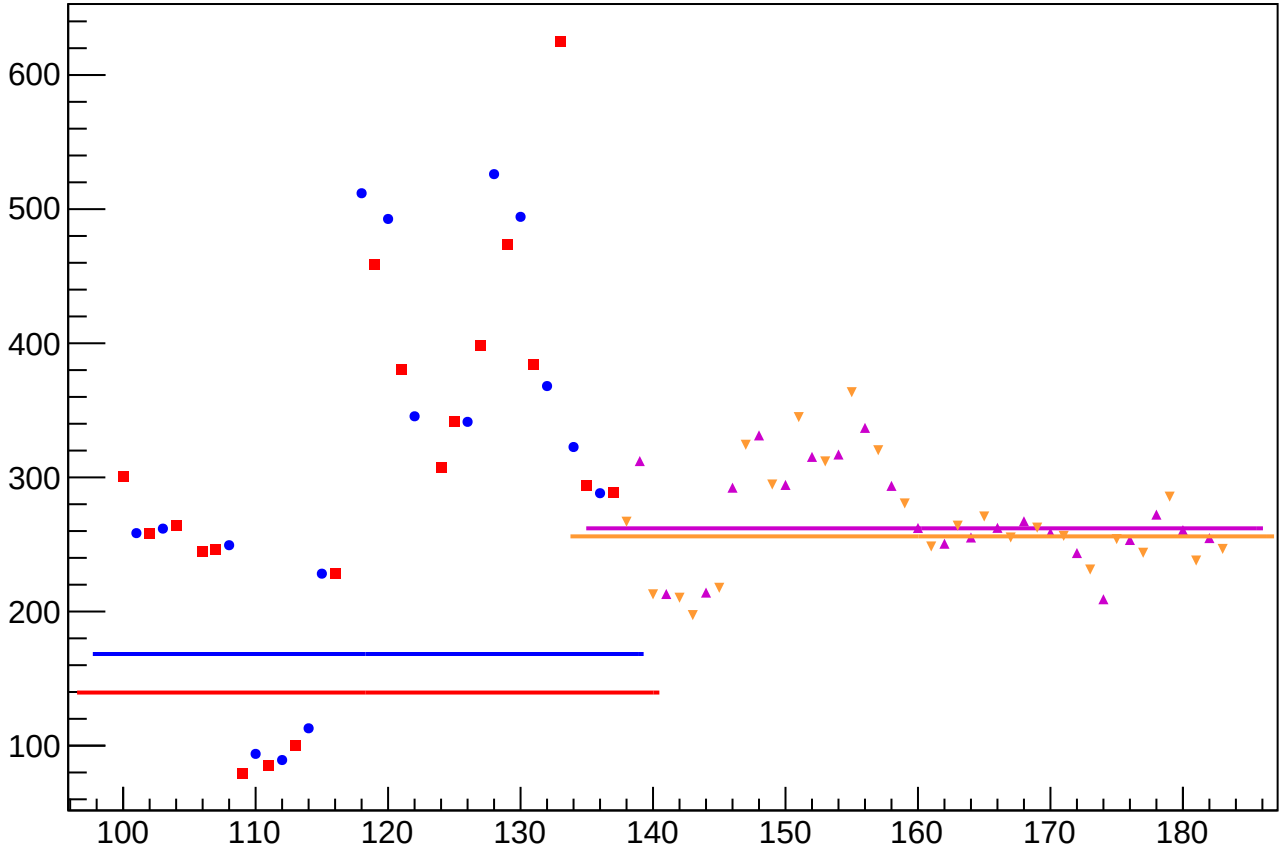
Left In: -52.263+/-62.406 χ^2/NDF:25.7/21

+ sign -207.392+/-46.854 χ^2/NDF: 76.8/39

All: -111.494+/-32.326 χ^2/NDF: 122.5/80

- sign -24.376+/-44.658 χ^2/NDF: 37.7/40

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 256.031+/-0.042 χ^2/NDF:853818.1/23

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

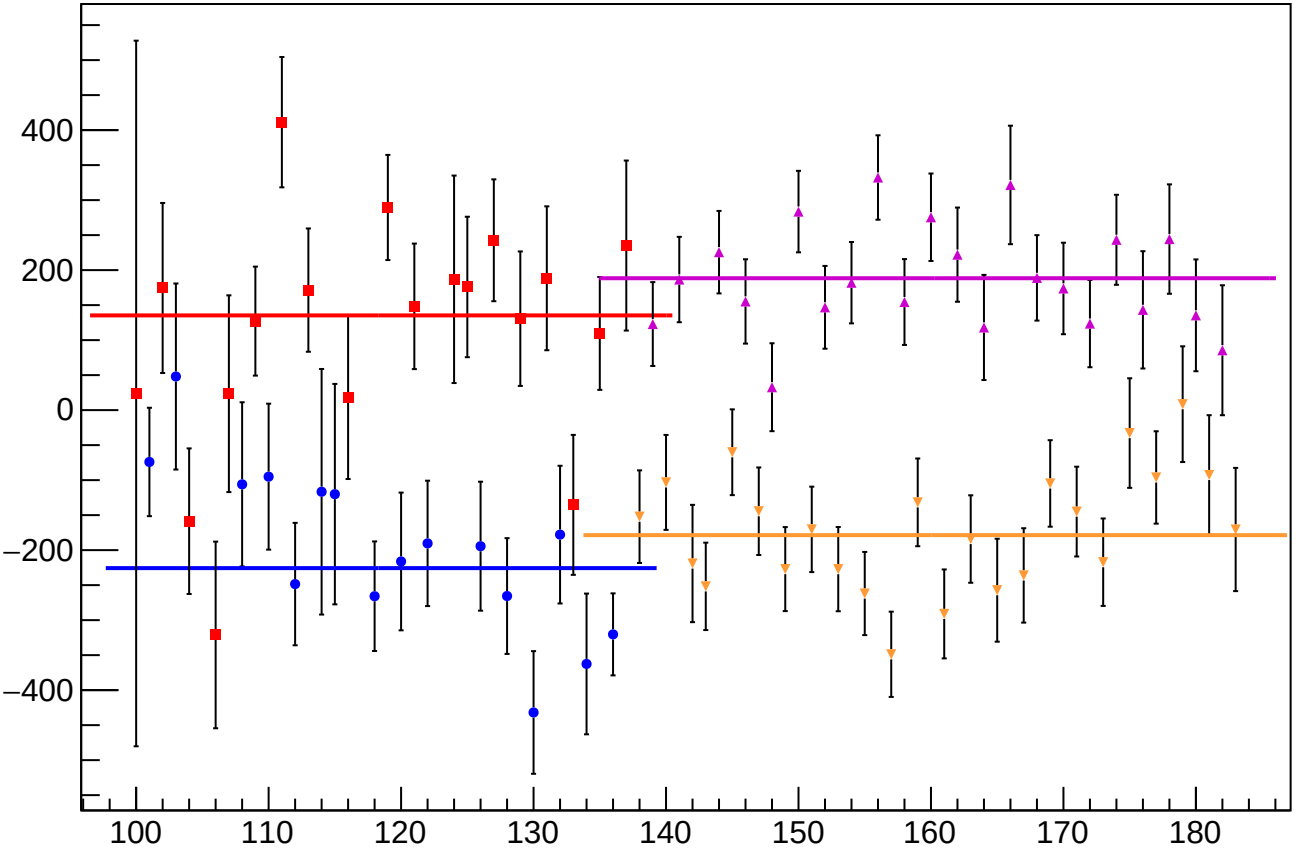
Left In: 262.026+/-0.044 χ^2/NDF:670565.5/21

+ sign 222.883+/-0.033 χ^2/NDF: 7045308.8/39

All: 212.092+/-0.023 χ^2/NDF: 16828410.4/80

- sign 202.288+/-0.032 χ^2/NDF: 9580626.3/40

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.607+/-13.517 χ^2/NDF:37.0/23

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

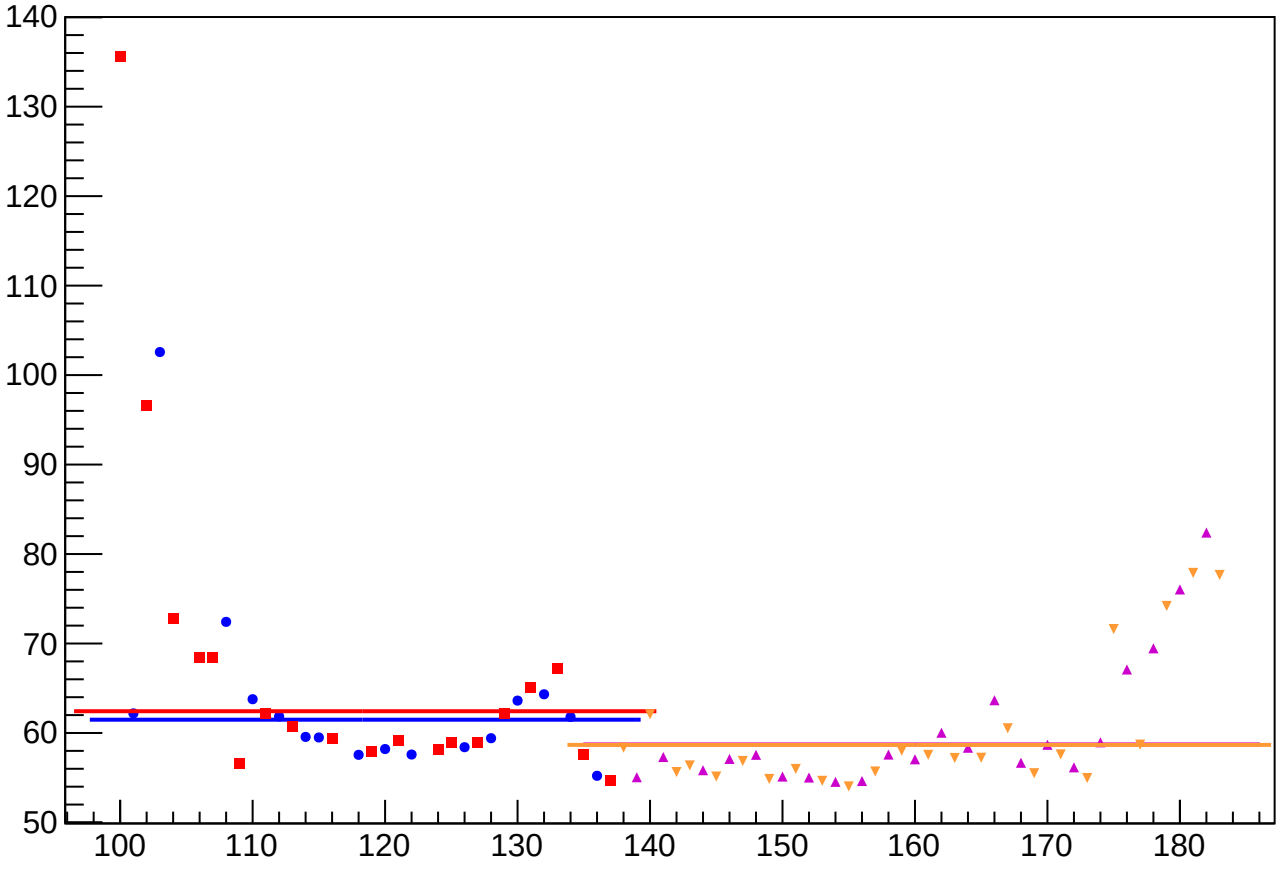
Left In: 188.398+/-13.923 χ^2/NDF:27.1/21

\+ sign -190.602+/-11.669 χ^2/NDF: 62.7/39

All: -12.309+/-8.345 χ^2/NDF: 616.4/80

\- sign 174.345+/-11.939 χ^2/NDF: 75.9/40

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.671+/-0.010 χ^2/NDF:393330.0/23

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

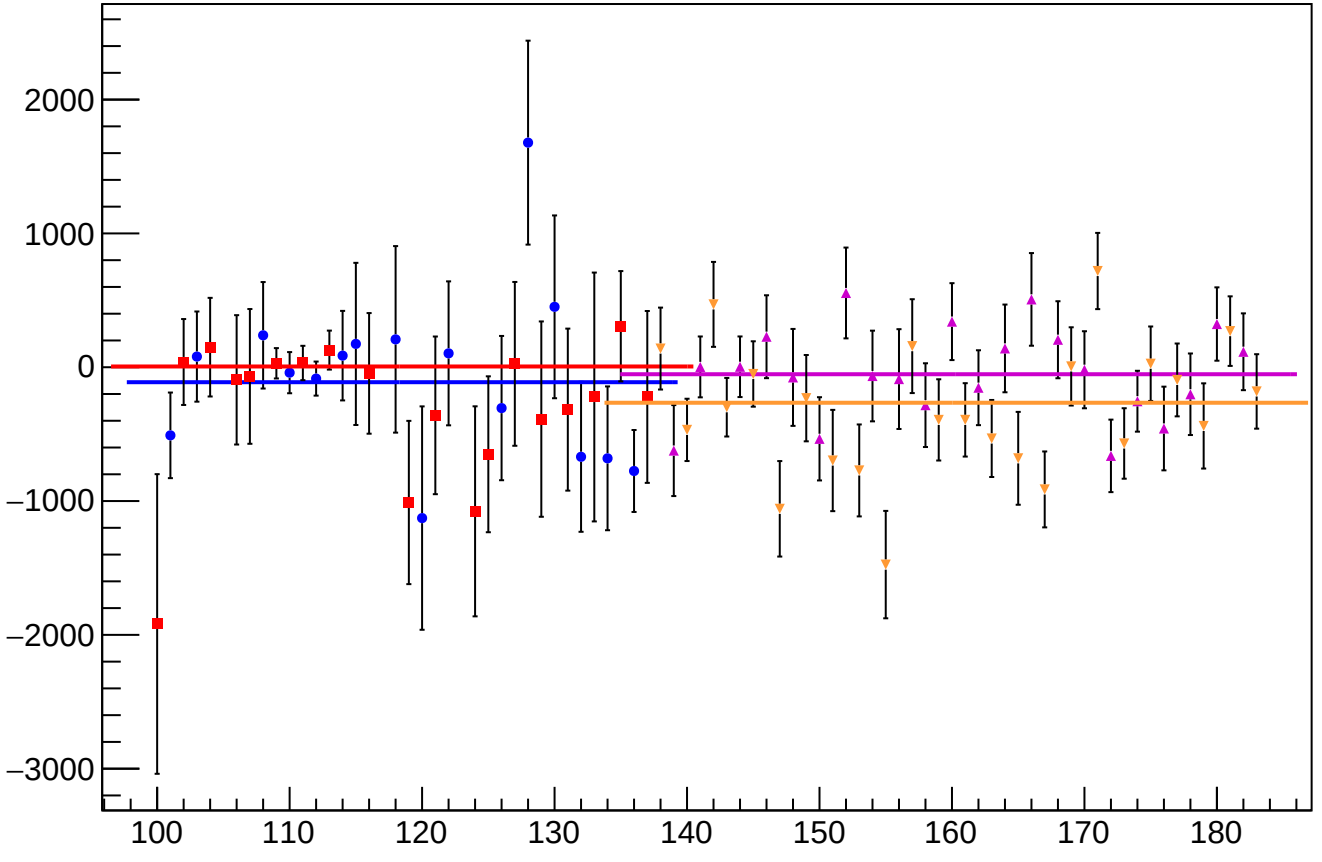
Left In: 58.720+/-0.010 χ^2/NDF:347747.2/21

+ sign 59.388+/-0.008 χ^2/NDF: 666100.8/39

All: 59.542+/-0.006 χ^2/NDF: 1331606.6/80

- sign 59.703+/-0.008 χ^2/NDF: 664793.8/40

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -265.424+/-59.407 χ^2/NDF:55.8/23

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

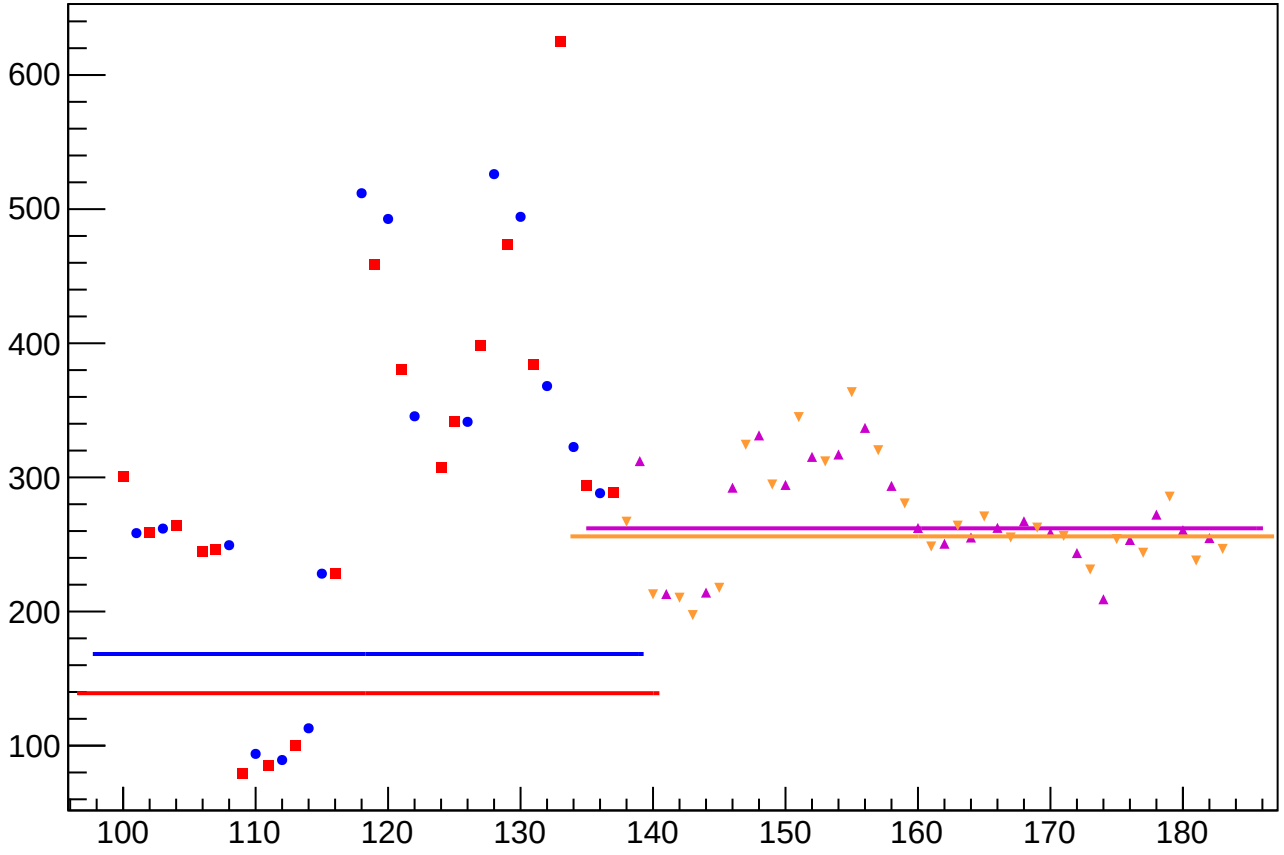
Left In: -52.262+/-62.406 χ^2/NDF:25.7/21

+ sign -207.386+/-46.854 χ^2/NDF: 76.8/39

All: -111.447+/-32.346 χ^2/NDF: 122.5/80

- sign -24.091+/-44.710 χ^2/NDF: 37.7/40

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.031+/-0.042 χ^2/NDF:853818.9/23

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

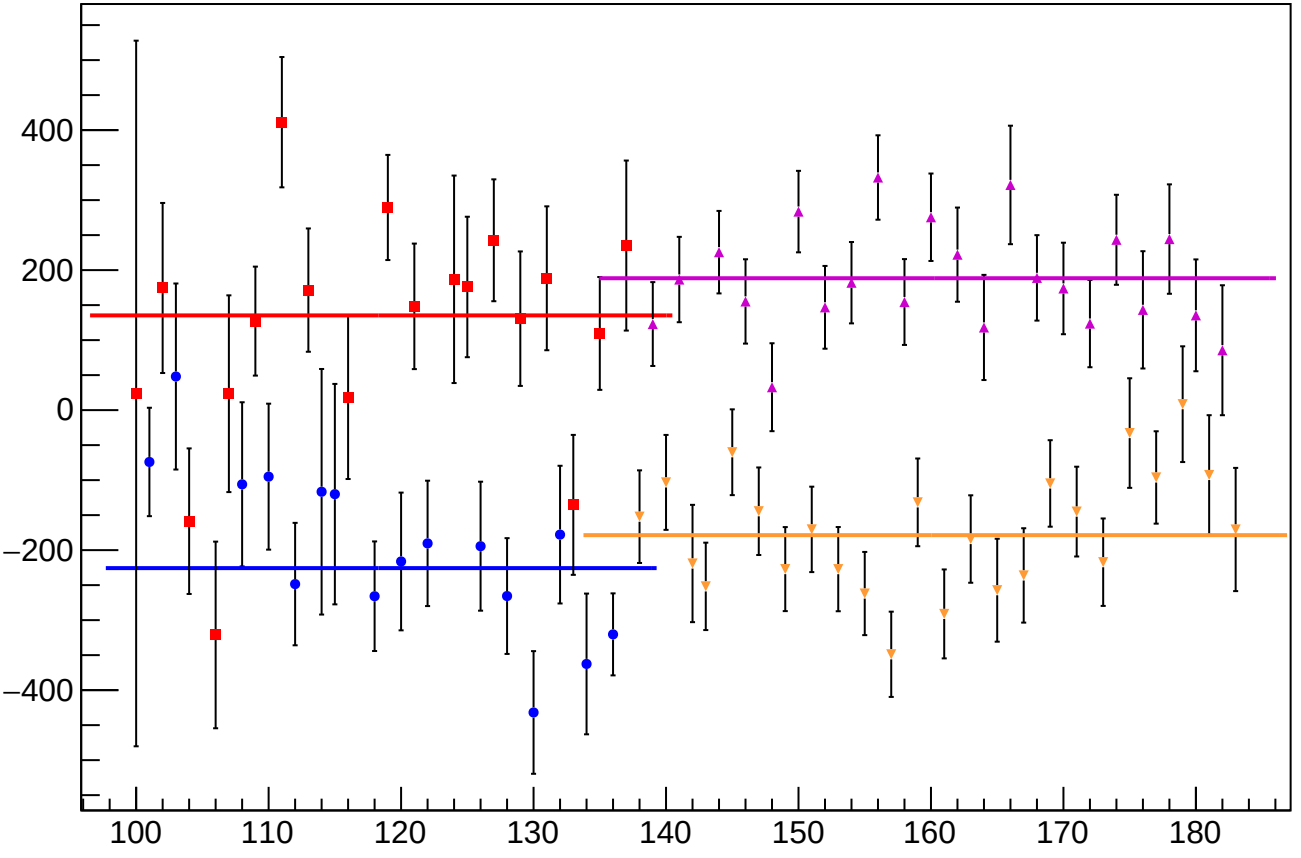
Left In: 262.026+/-0.044 χ^2/NDF:670564.0/21

+ sign 222.884+/-0.033 χ^2/NDF: 7045337.4/39

All: 212.055+/-0.023 χ^2/NDF: 16826732.3/80

- sign 202.196+/-0.032 χ^2/NDF: 9577318.1/40

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -178.607+/-13.517 χ^2/NDF:37.0/23

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

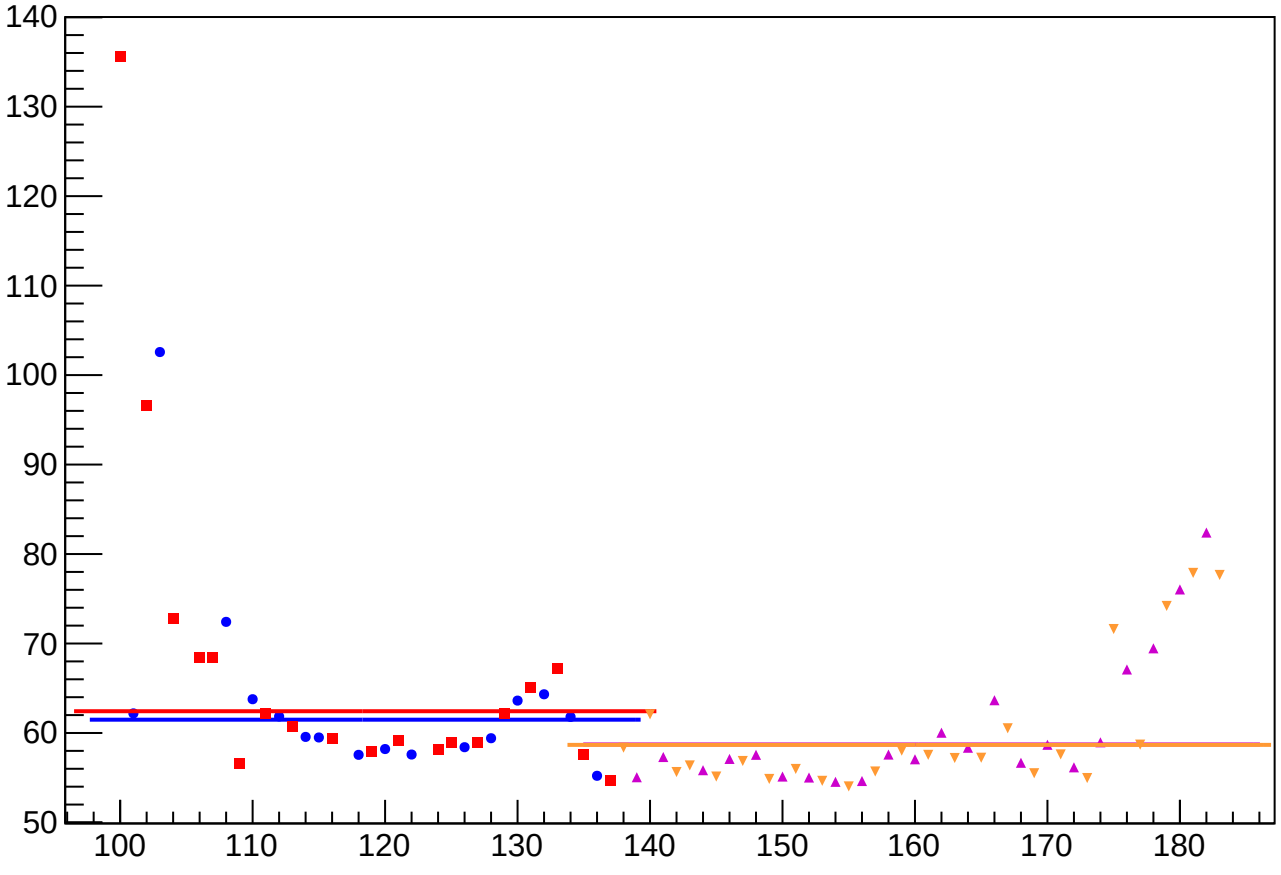
Left In: 188.398+/-13.923 χ^2/NDF:27.1/21

\+ sign -190.602+/-11.669 χ^2/NDF: 62.7/39

All: -12.309+/-8.345 χ^2/NDF: 616.4/80

\- sign 174.345+/-11.939 χ^2/NDF: 75.9/40

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.671+/-0.010 χ^2/NDF:393330.0/23

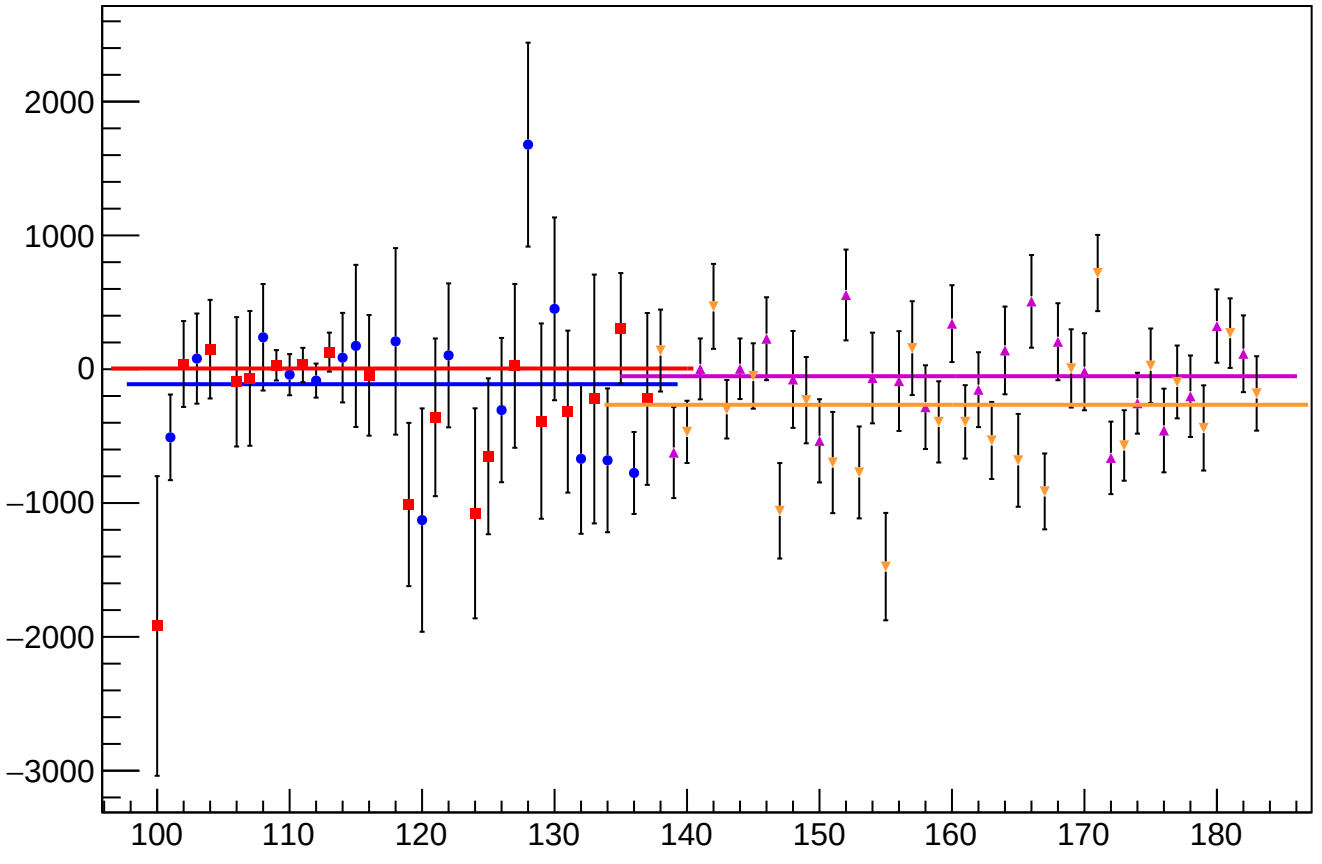
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.720+/-0.010 χ^2/NDF:347747.2/21

+ sign 59.388+/-0.008 χ^2/NDF: 666100.8/39

All: 59.542+/-0.006 χ^2/NDF: 1331606.6/80

- sign 59.703+/-0.008 χ^2/NDF: 664793.8/40



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -265.424+/-59.407 χ^2/NDF:55.8/23

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

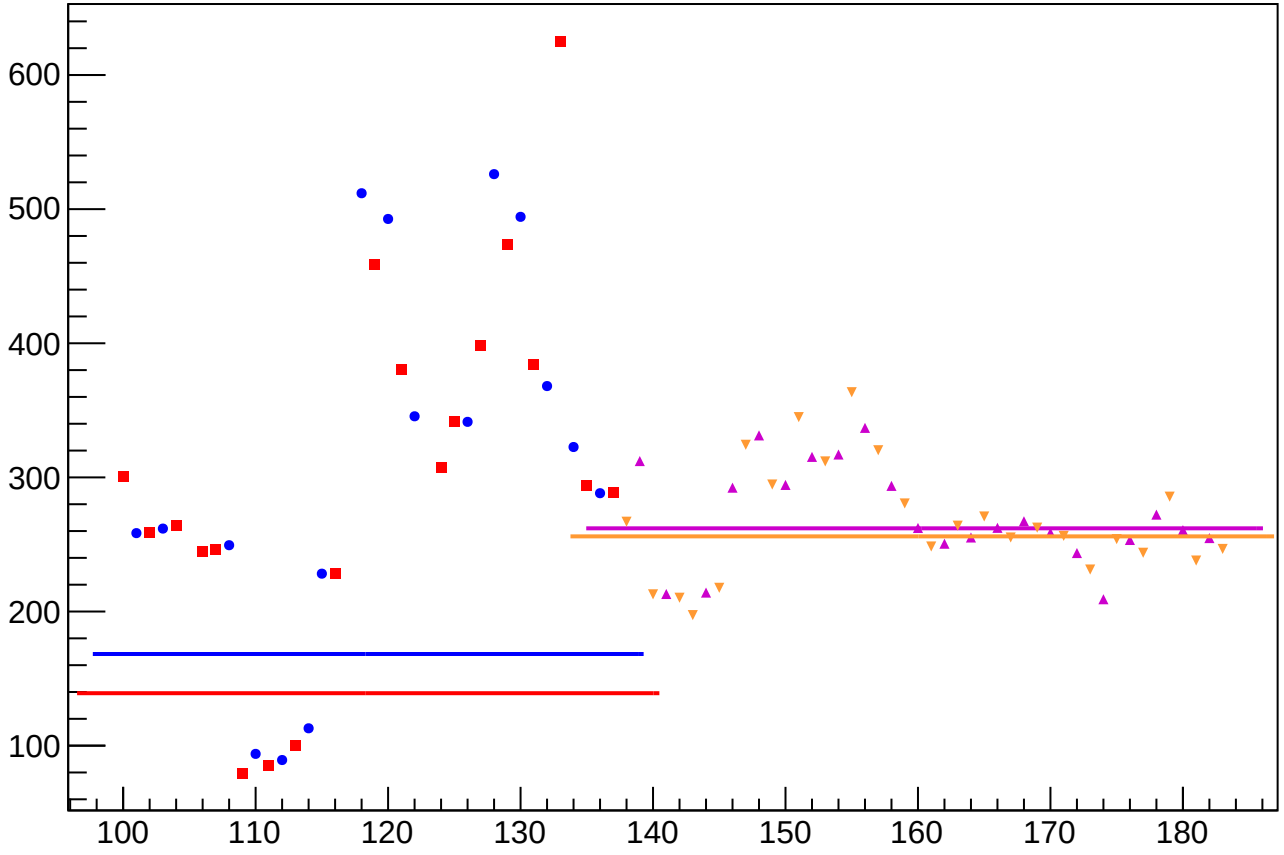
Left In: -52.262+/-62.406 χ^2/NDF:25.7/21

+ sign -207.386+/-46.854 χ^2/NDF: 76.8/39

All: -111.447+/-32.346 χ^2/NDF: 122.5/80

- sign -24.091+/-44.710 χ^2/NDF: 37.7/40

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.031+/-0.042 χ^2/NDF:853818.9/23

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

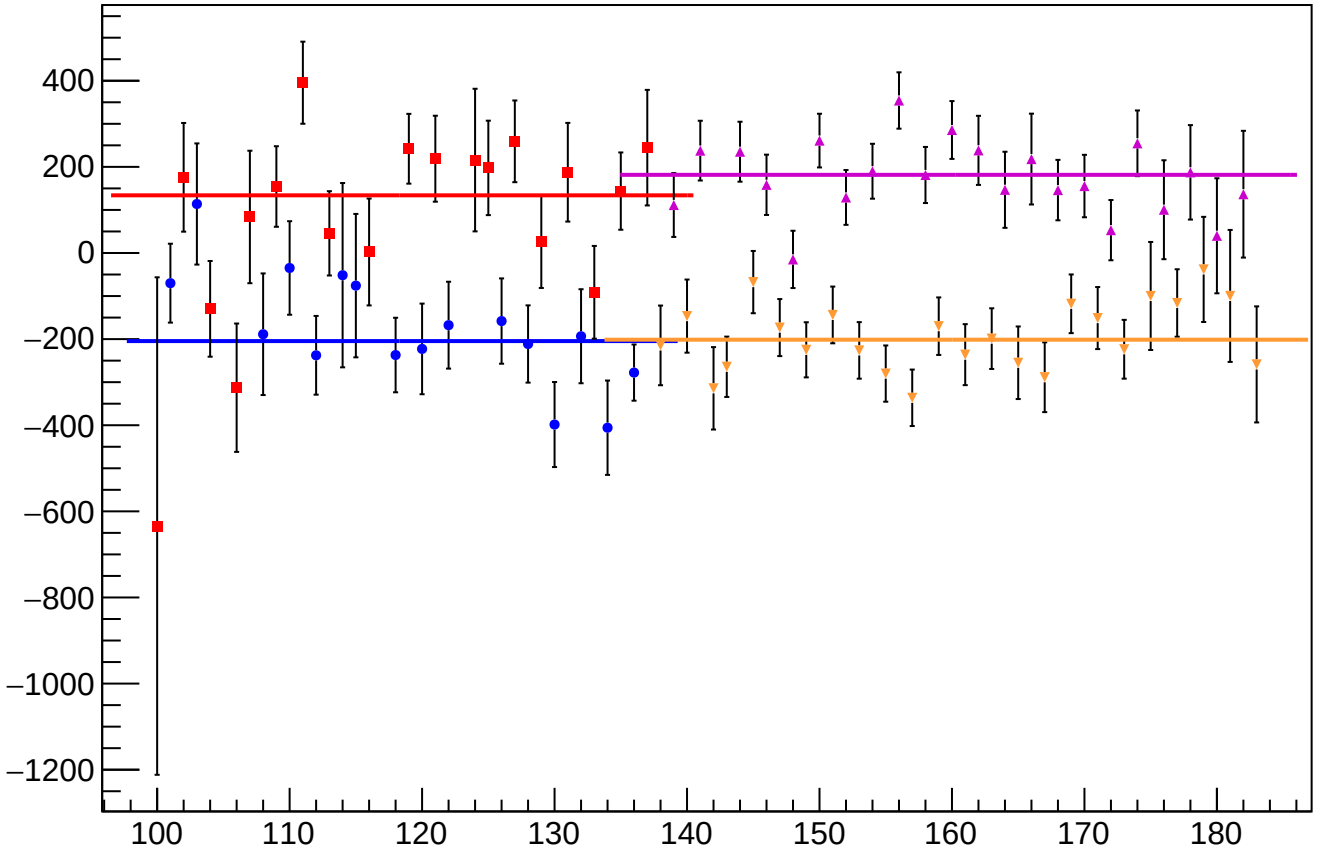
Left In: 262.026+/-0.044 χ^2/NDF:670564.0/21

+ sign 222.884+/-0.033 χ^2/NDF: 7045337.4/39

All: 212.055+/-0.023 χ^2/NDF: 16826732.3/80

- sign 202.196+/-0.032 χ^2/NDF: 9577318.1/40

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.368+/-15.631 χ^2/NDF:21.3/23

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

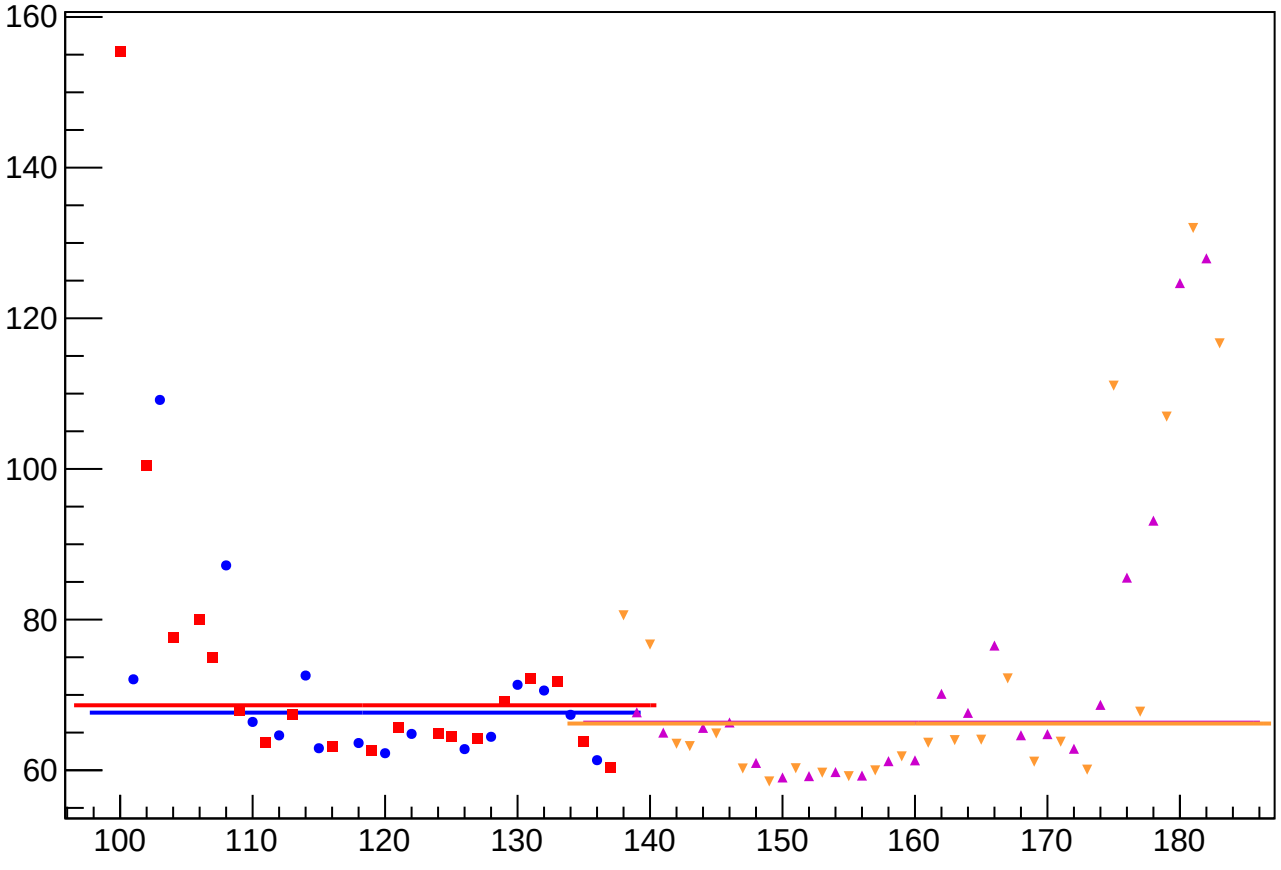
Left In: 181.508+/-16.073 χ^2/NDF:29.8/21

+ sign -202.243+/-13.330 χ^2/NDF: 41.3/39

All: -20.782+/-9.518 χ^2/NDF: 489.0/80

- sign 167.966+/-13.595 χ^2/NDF: 69.6/40

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 66.201+/-0.011 χ^2/NDF:1389653.2/23

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

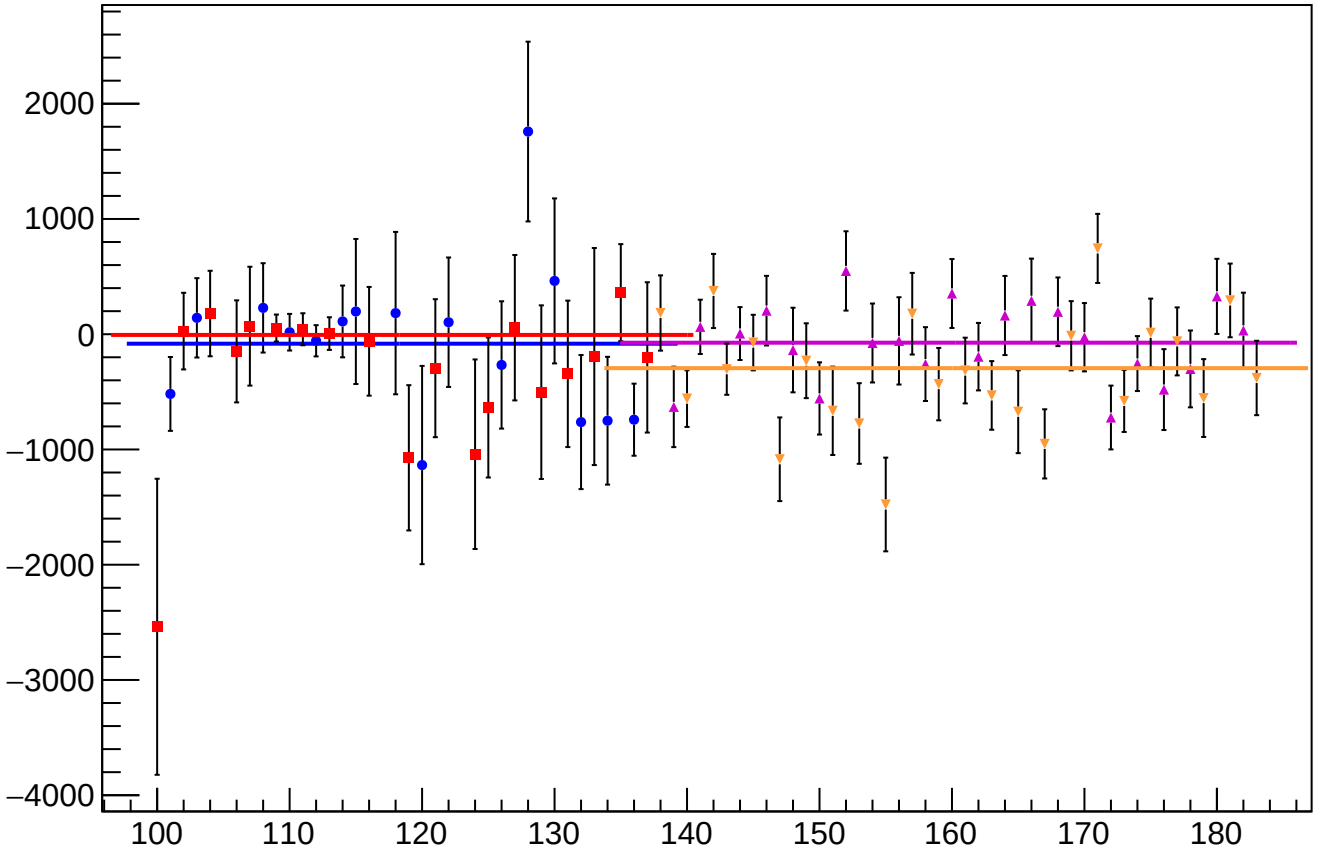
Left In: 66.318+/-0.011 χ^2/NDF:1075250.6/21

+ sign 66.595+/-0.009 χ^2/NDF: 1657995.3/39

All: 66.781+/-0.007 χ^2/NDF: 2993919.1/80

- sign 66.974+/-0.010 χ^2/NDF: 1335132.5/40

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -294.465+/-62.171 χ^2/NDF:52.8/23

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

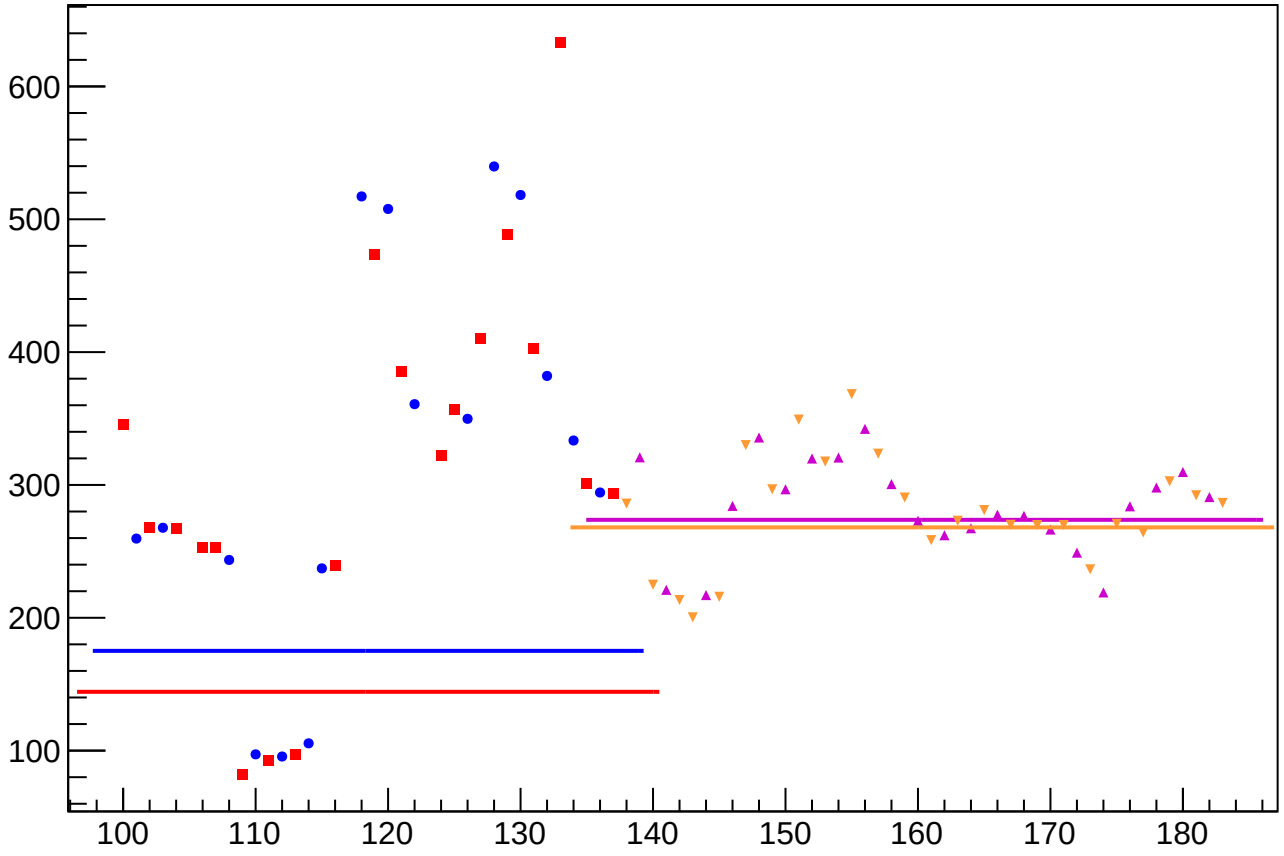
Left In: -73.527+/-65.176 χ^2/NDF:23.9/21

+ sign -212.881+/-48.779 χ^2/NDF: 76.5/39

All: -122.108+/-33.598 χ^2/NDF: 119.5/80

- sign -40.173+/-46.344 χ^2/NDF: 36.5/40

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 268.051+/-0.044 χ^2/NDF:862630.8/23

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

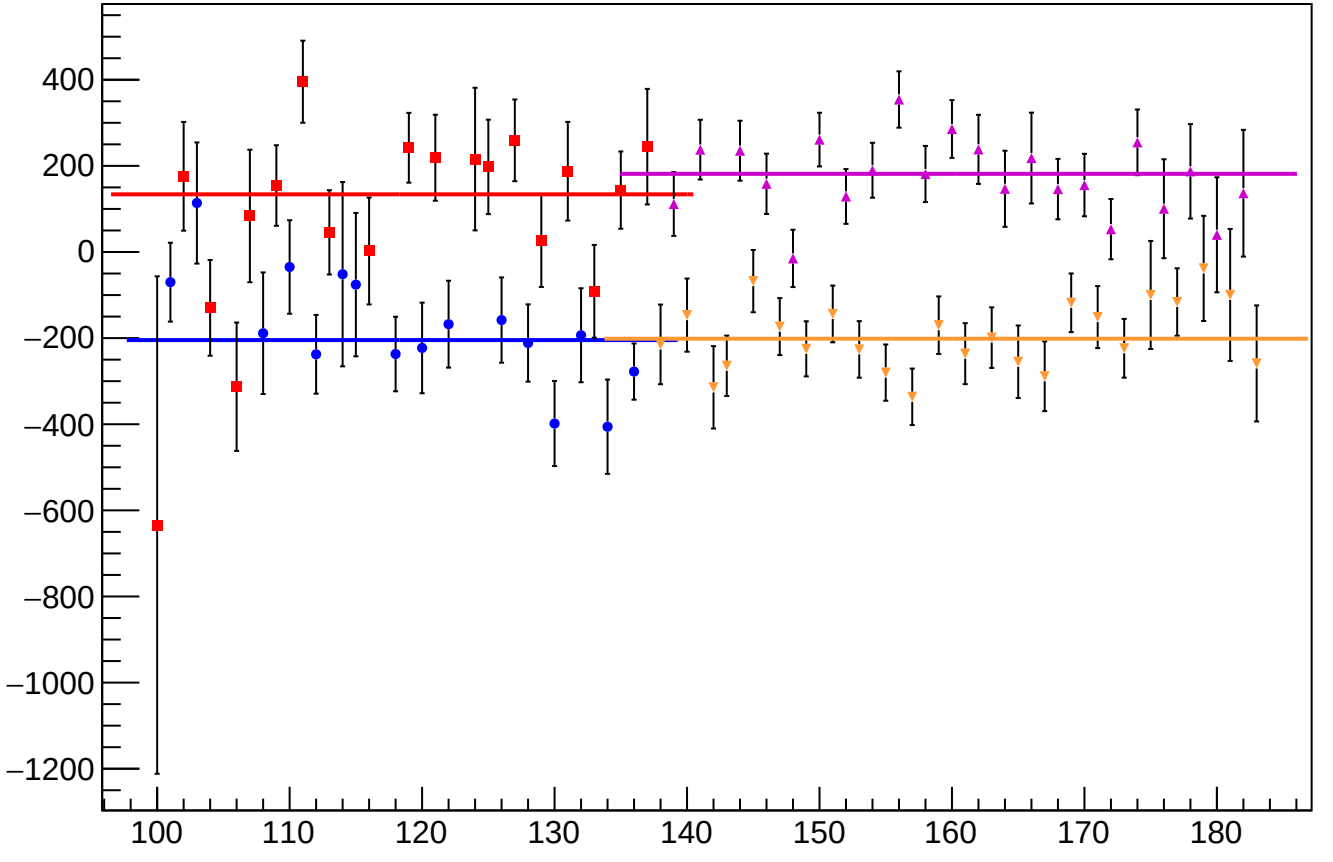
Left In: 273.740+/-0.046 χ^2/NDF:650292.3/21

+ sign 232.320+/-0.034 χ^2/NDF: 7010241.0/39

All: 220.449+/-0.024 χ^2/NDF: 16919844.8/80

- sign 209.733+/-0.033 χ^2/NDF: 9684220.1/40

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.367+/-15.631 χ^2/NDF:21.3/23

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

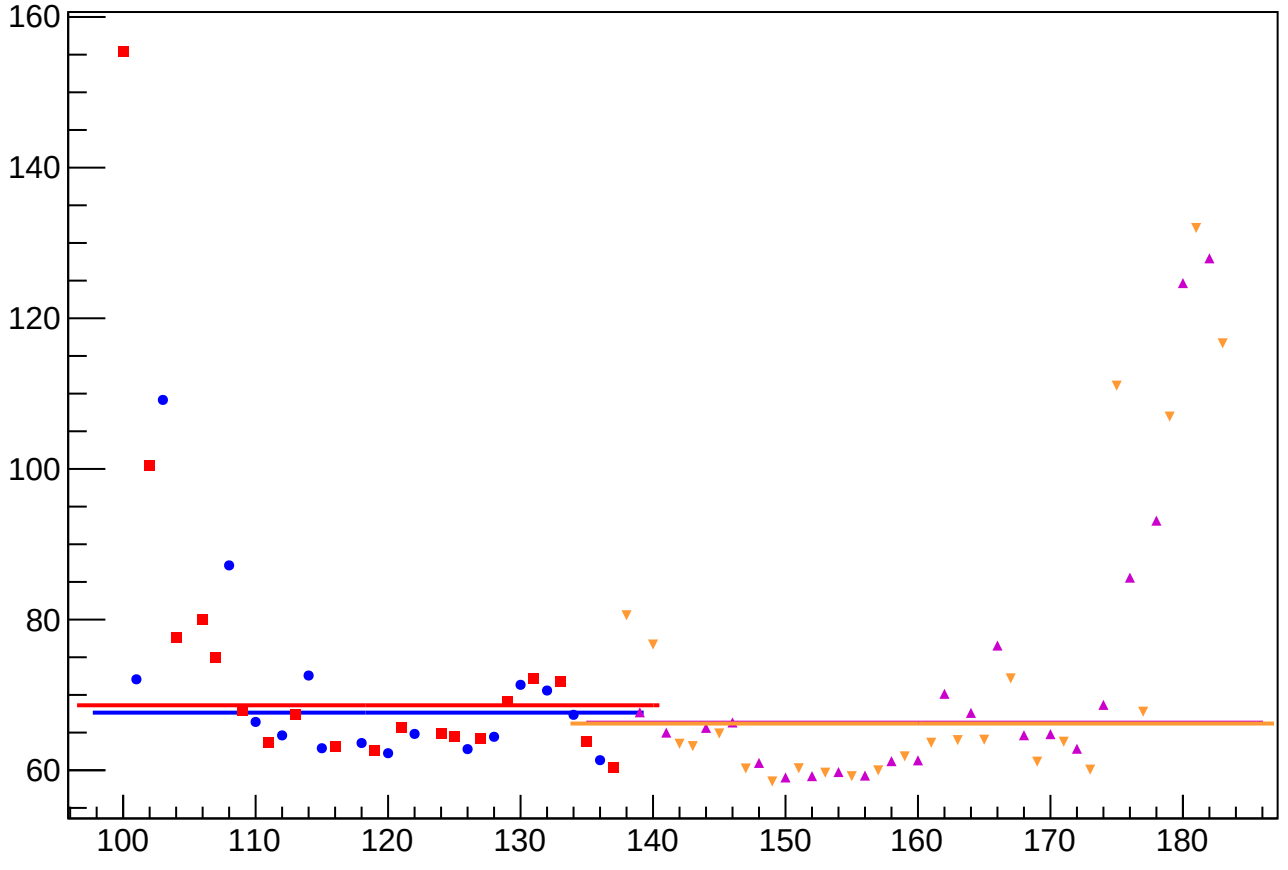
Left In: 181.509+/-16.073 χ^2/NDF:29.8/21

+ sign -202.243+/-13.330 χ^2/NDF: 41.3/39

All: -20.781+/-9.518 χ^2/NDF: 489.0/80

- sign 167.968+/-13.595 χ^2/NDF: 69.6/40

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 66.201+/-0.011 χ^2/NDF:1389655.3/23

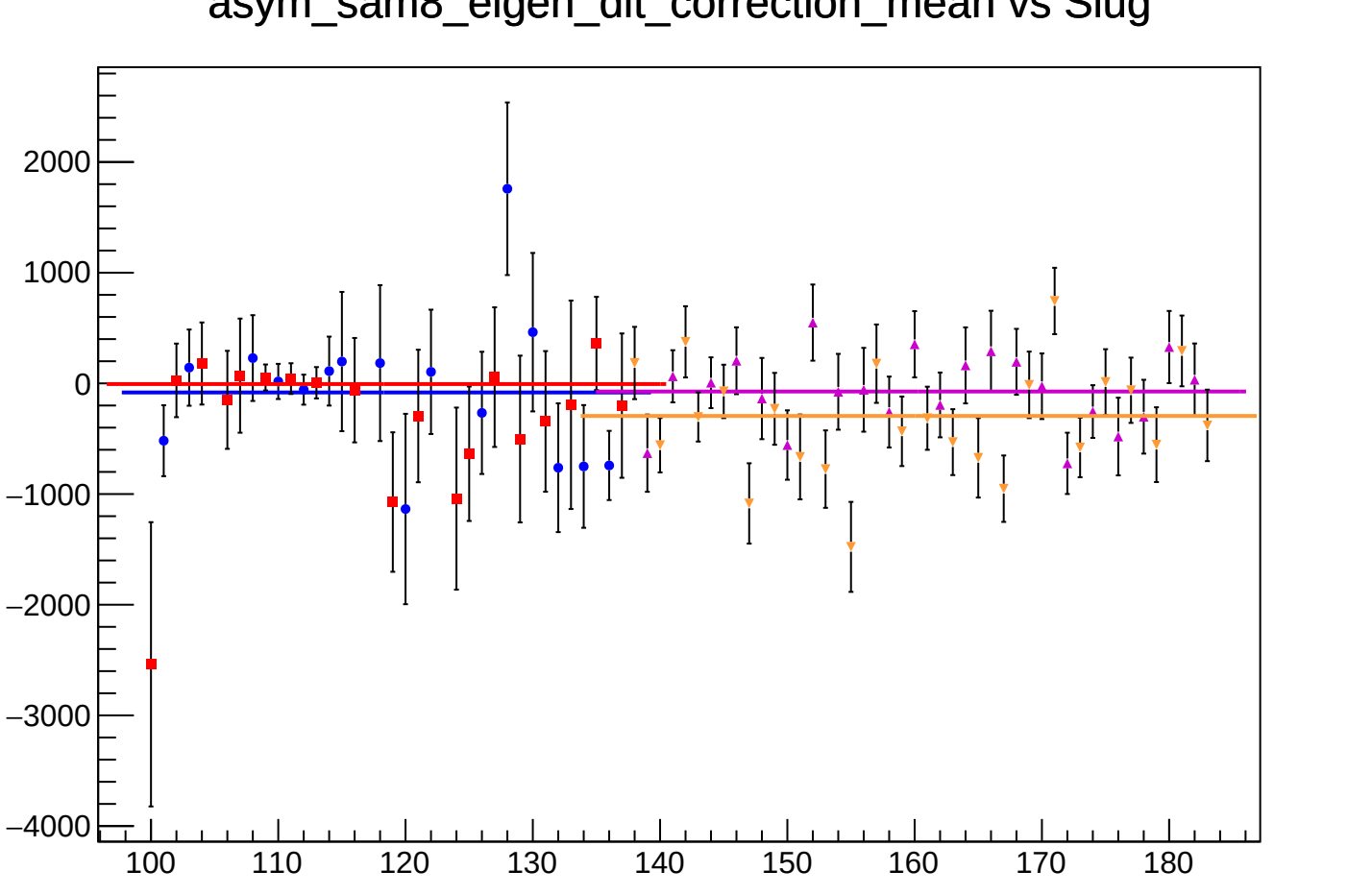
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.318+/-0.011 χ^2/NDF:1075244.4/21

+ sign 66.595+/-0.009 χ^2/NDF: 1657995.1/39

All: 66.781+/-0.007 χ^2/NDF: 2993911.7/80

- sign 66.974+/-0.010 χ^2/NDF: 1335125.3/40



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -294.464+/-62.170 χ^2/NDF:52.8/23

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

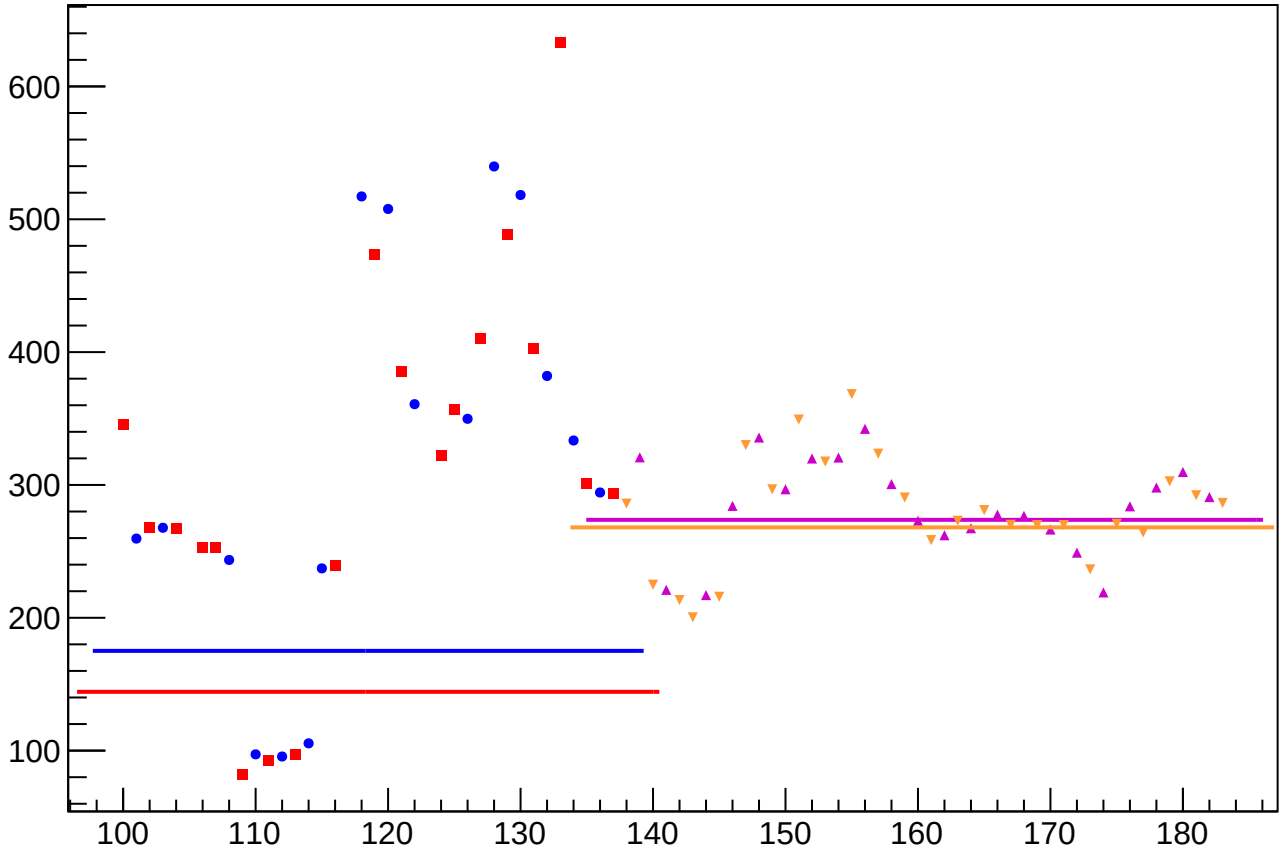
Left In: -73.527+/-65.176 χ^2/NDF:23.9/21

+ sign -212.880+/-48.779 χ^2/NDF: 76.5/39

All: -122.107+/-33.598 χ^2/NDF: 119.5/80

- sign -40.172+/-46.344 χ^2/NDF: 36.5/40

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 268.050+/-0.044 χ^2/NDF:862641.0/23

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

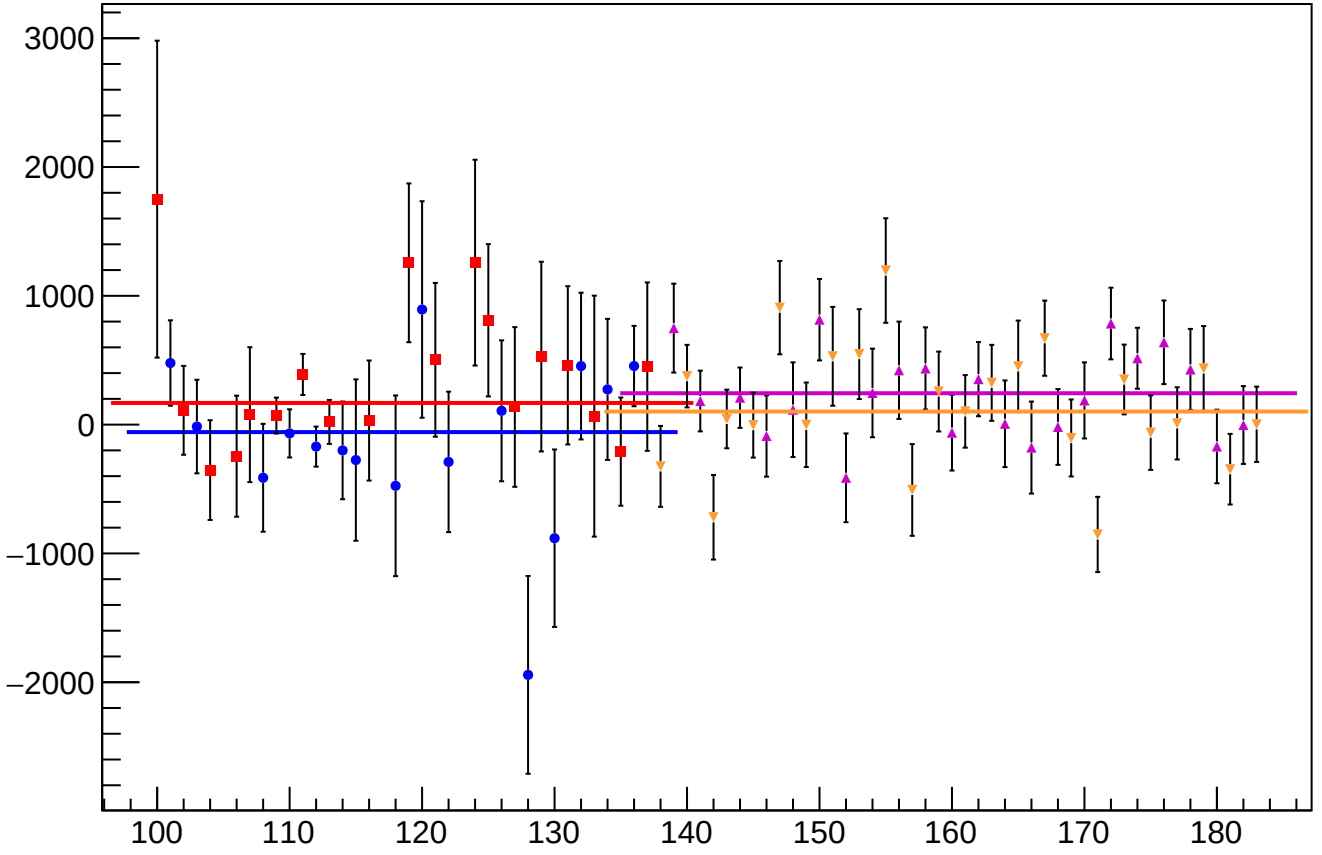
Left In: 273.739+/-0.046 χ^2/NDF:650297.8/21

+ sign 232.319+/-0.034 χ^2/NDF: 7010306.1/39

All: 220.448+/-0.024 χ^2/NDF: 16919867.9/80

- sign 209.733+/-0.033 χ^2/NDF: 9684189.6/40

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 101.610+/-61.211 χ^2/NDF:49.6/23

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

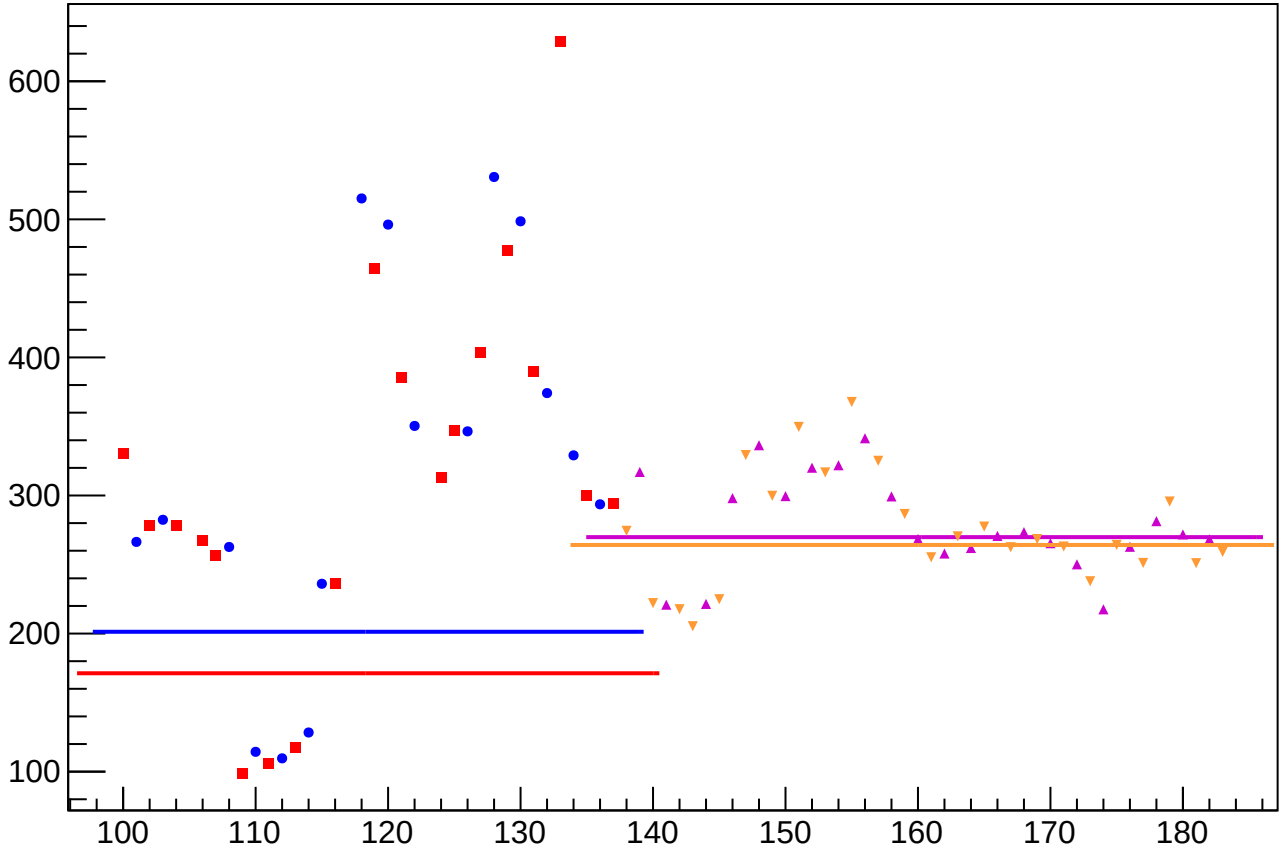
Left In: 243.708+/-64.198 χ^2/NDF:24.6/21

\+ sign 48.682+/-50.041 χ^2/NDF: 69.2/39

All: 132.437+/-34.886 χ^2/NDF: 115.3/80

\- sign 211.632+/-48.660 χ^2/NDF: 40.7/40

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.169+/-0.043 χ^2/NDF:769857.4/23

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

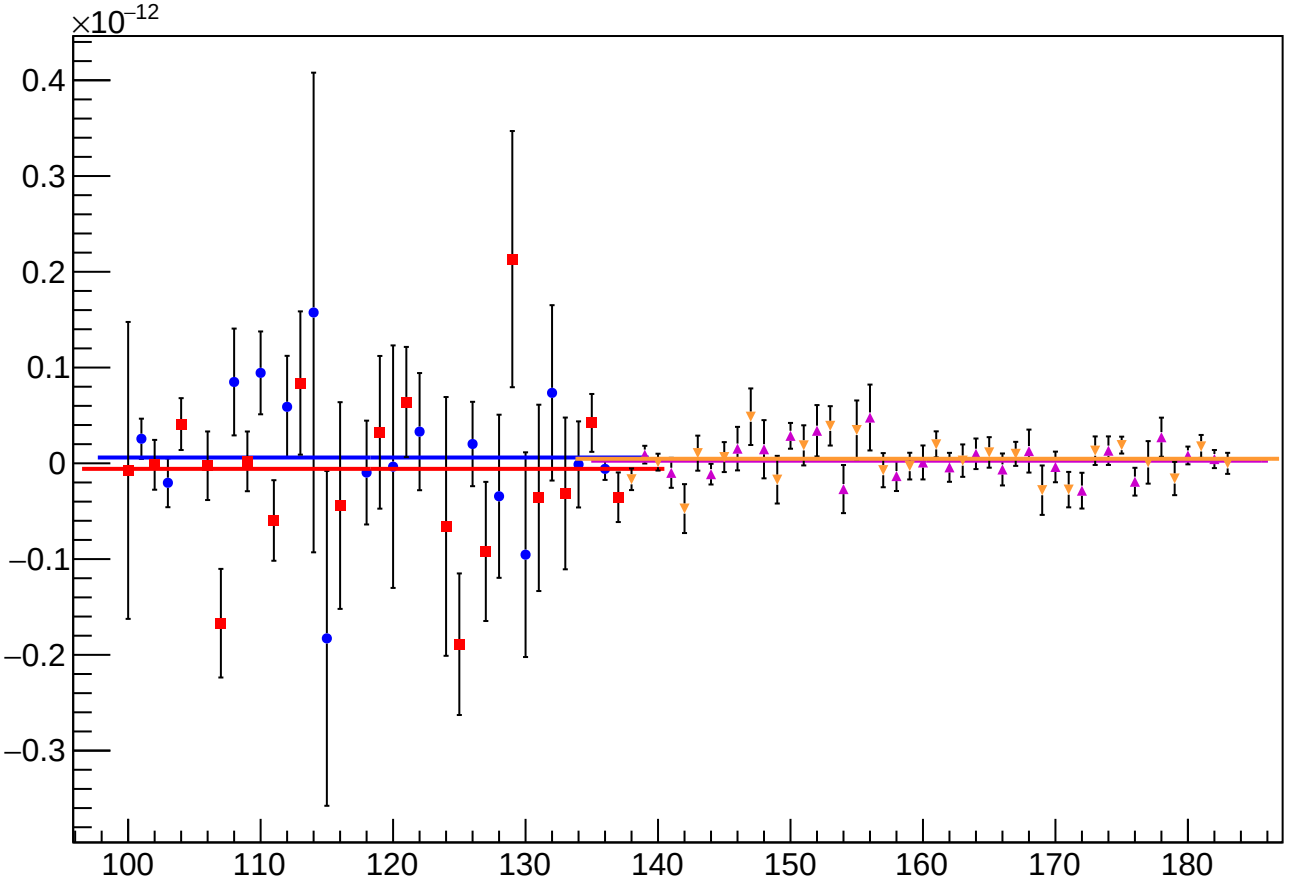
Left In: 269.848+/-0.045 χ^2/NDF:602169.5/21

+ sign 243.318+/-0.035 χ^2/NDF: 5041787.8/39

All: 235.391+/-0.025 χ^2/NDF: 11941364.4/80

- sign 227.896+/-0.034 χ^2/NDF: 6801945.5/40

asym_sam8_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/23

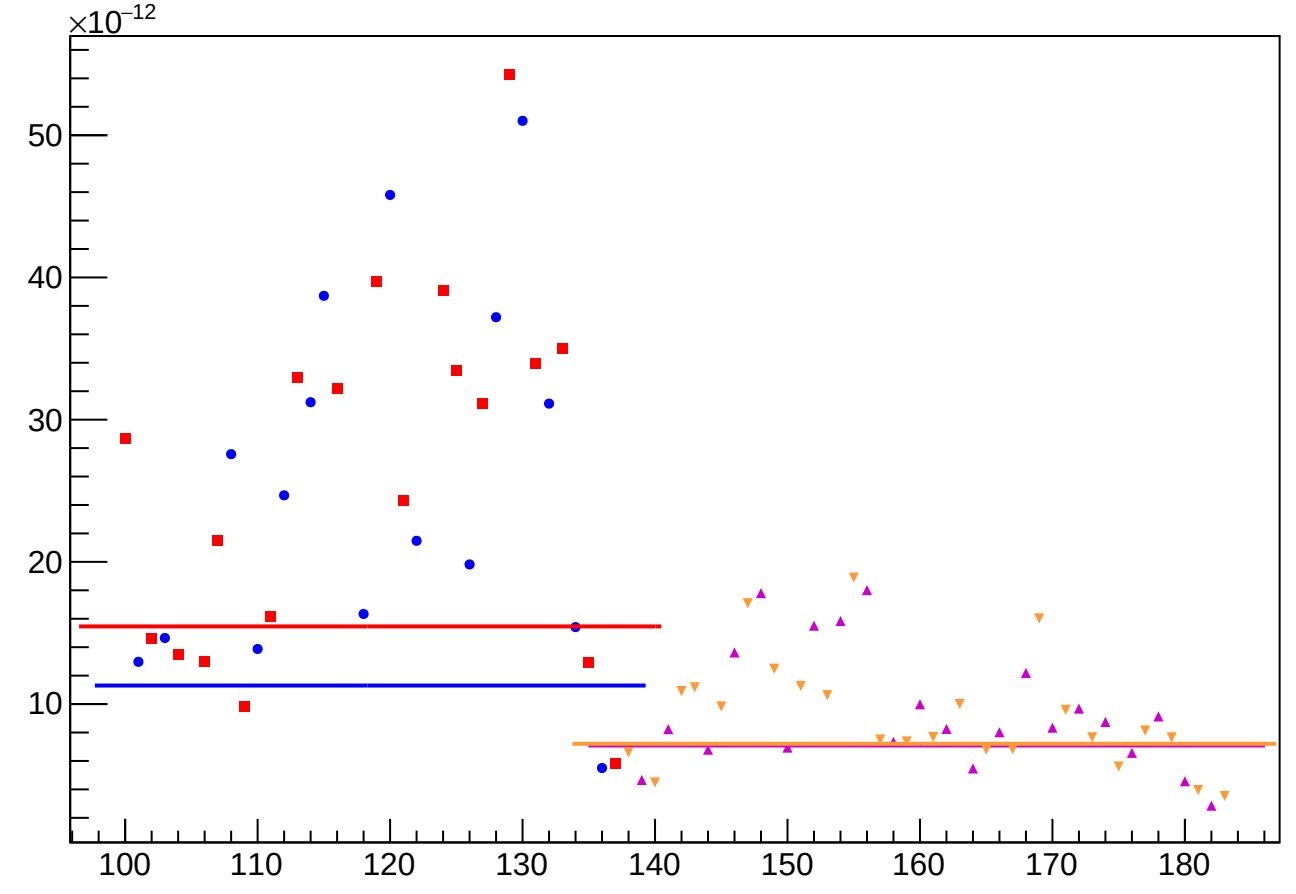
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/39

All: 0.000+/-0.000 χ^2/NDF: 94.4/80

- sign 0.000+/-0.000 χ^2/NDF: 52.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1890499.1/23

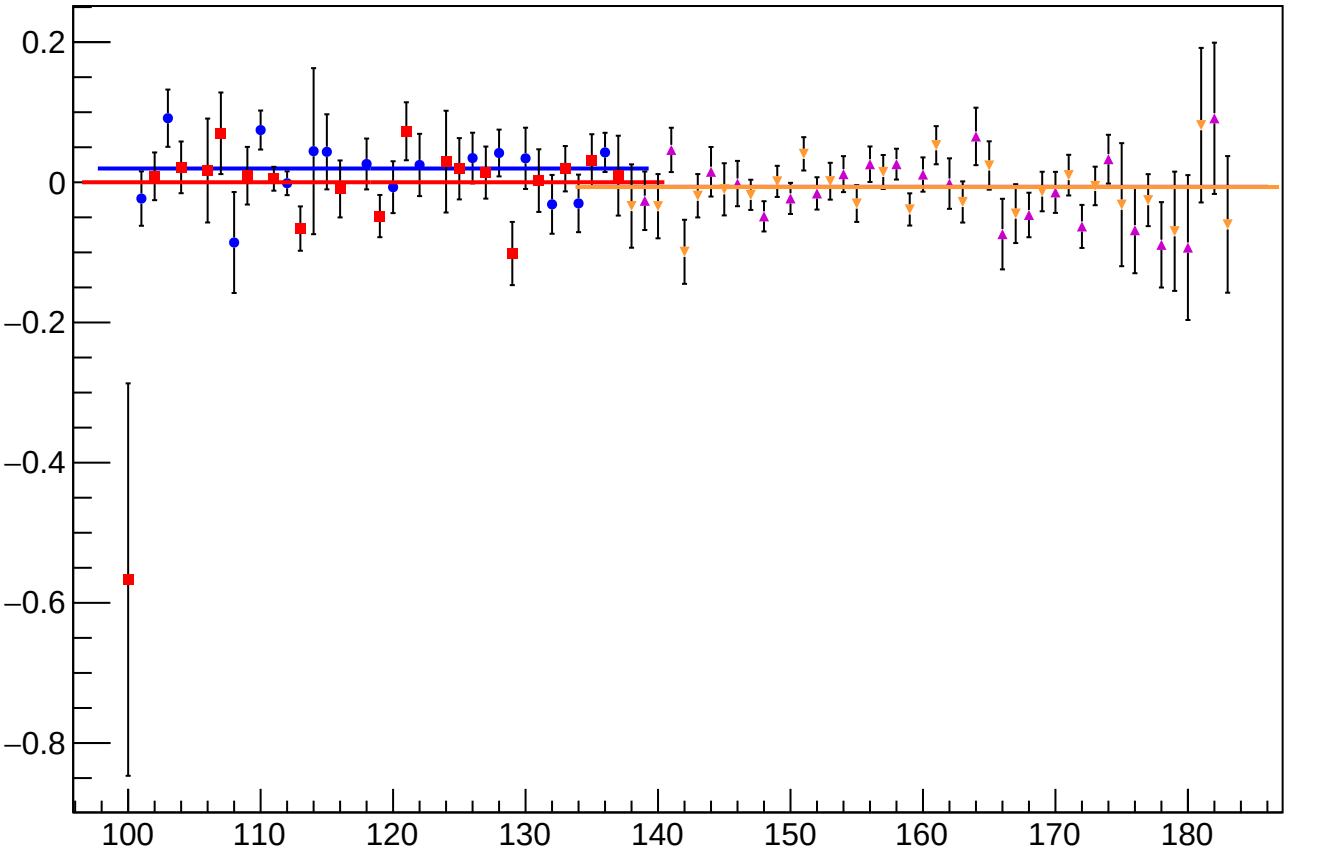
Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2050061.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 4112063.3/39

All: 0.000+/-0.000 χ^2/NDF: 8836076.6/80

- sign 0.000+/-0.000 χ^2/NDF: 4722036.3/40



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:22.0/23

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

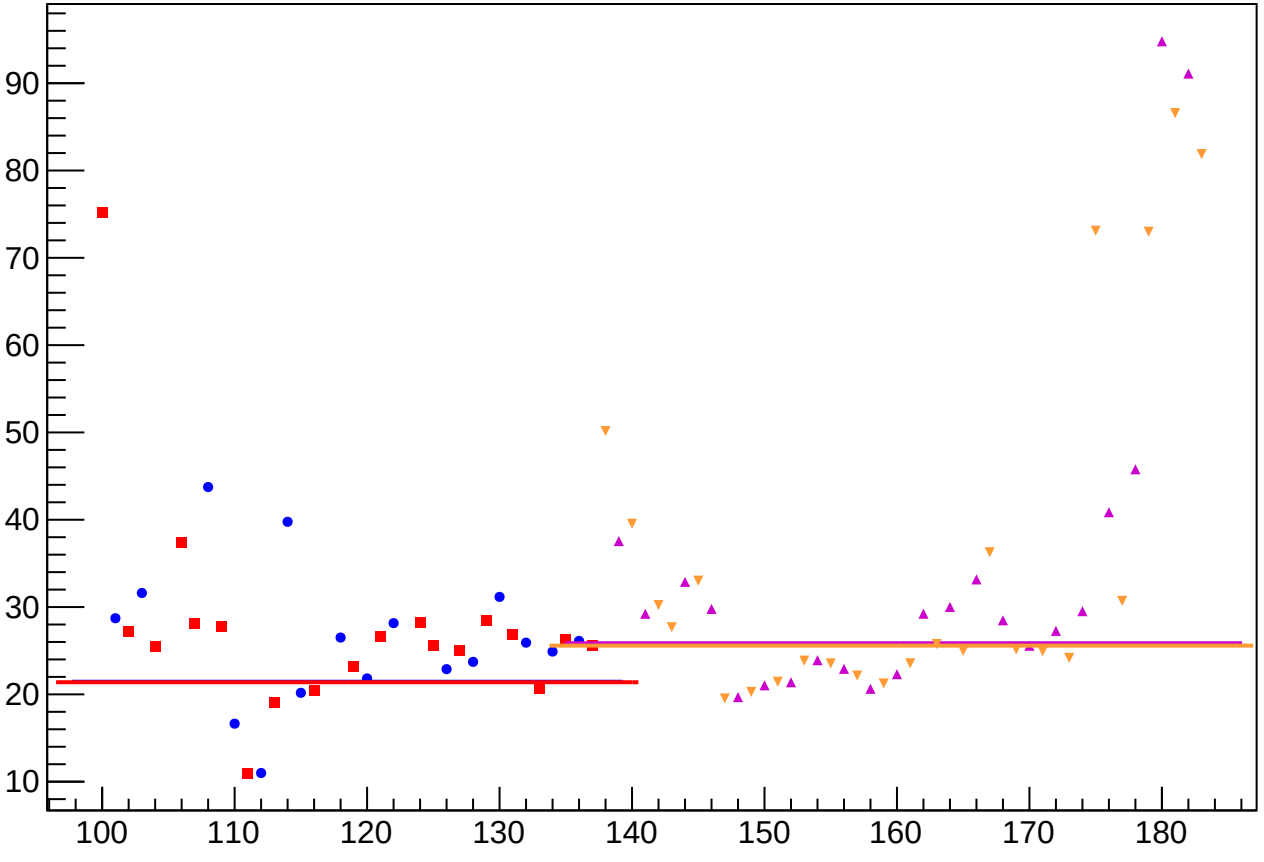
Left In: -0.006+/-0.007 χ^2/NDF:28.3/21

+ sign 0.003+/-0.005 χ^2/NDF: 45.0/39

All: -0.001+/-0.004 χ^2/NDF: 97.4/80

- sign -0.004+/-0.005 χ^2/NDF: 51.5/40

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.583+/-0.005 χ^2/NDF:3773608.4/23

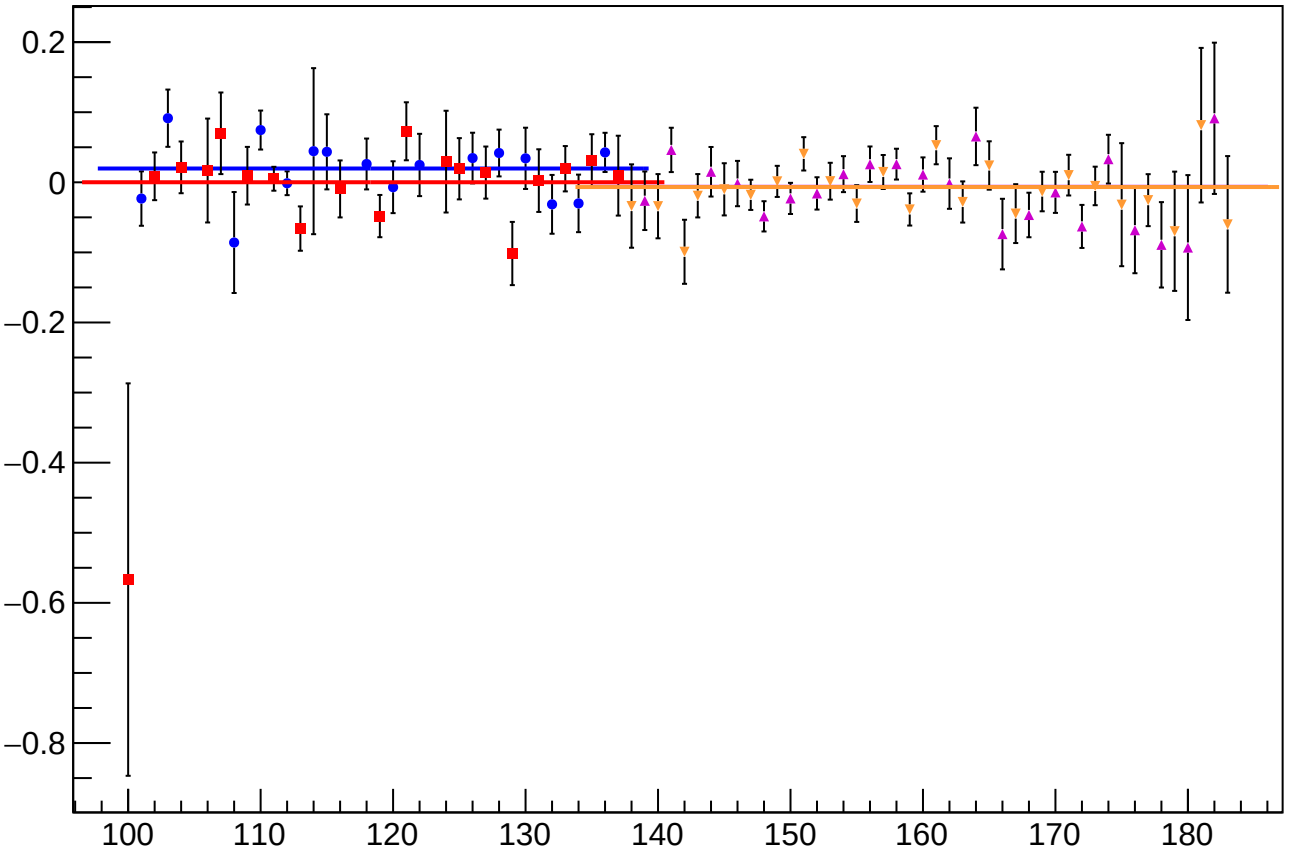
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.857+/-0.005 χ^2/NDF:2888898.8/21

\+ sign 24.123+/-0.004 χ^2/NDF: 5608406.3/39

All: 24.145+/-0.003 χ^2/NDF: 10152279.0/80

\- sign 24.167+/-0.004 χ^2/NDF: 4543801.1/40



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:22.0/23

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

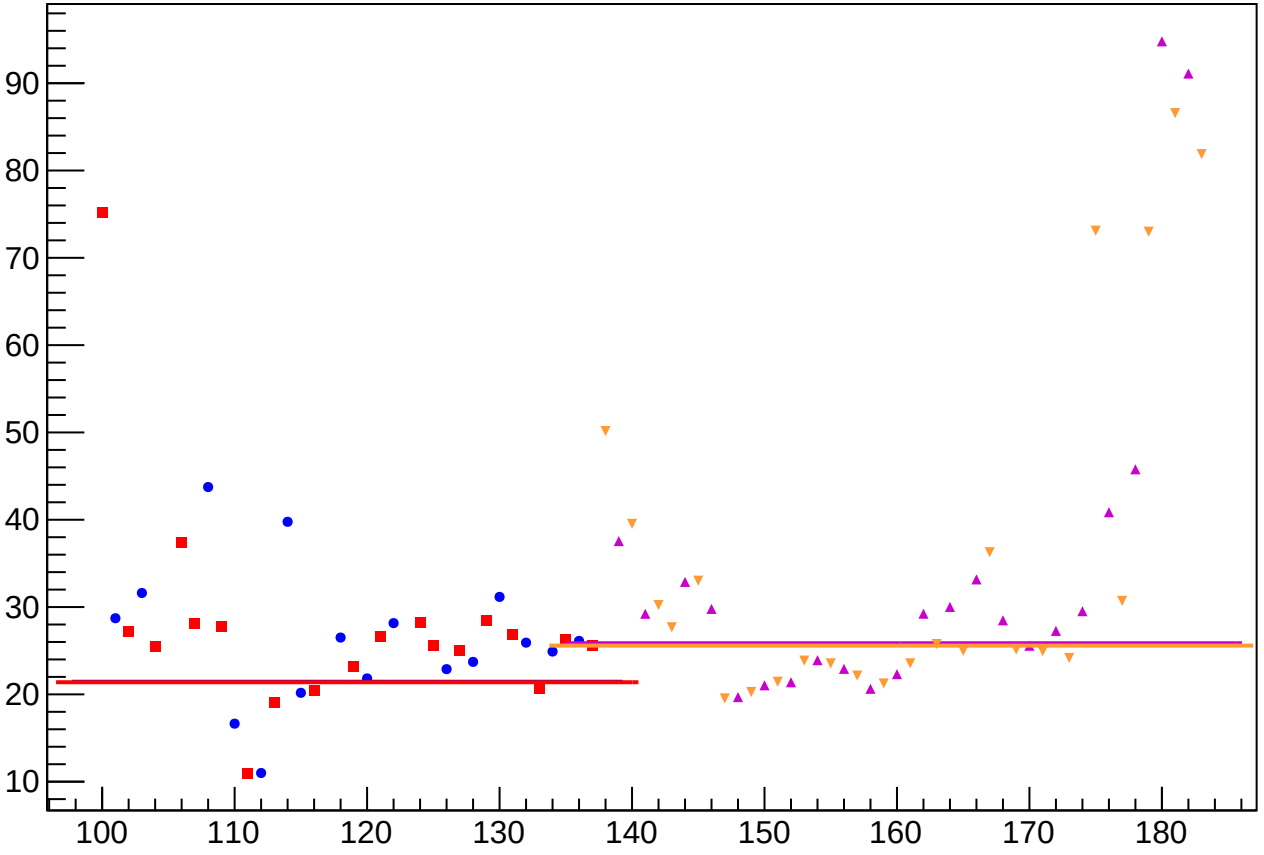
Left In: -0.006+/-0.007 χ^2/NDF:28.3/21

+ sign 0.003+/-0.005 χ^2/NDF: 45.0/39

All: -0.001+/-0.004 χ^2/NDF: 97.4/80

- sign -0.004+/-0.005 χ^2/NDF: 51.5/40

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.583+/-0.005 χ^2/NDF:3773608.4/23

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

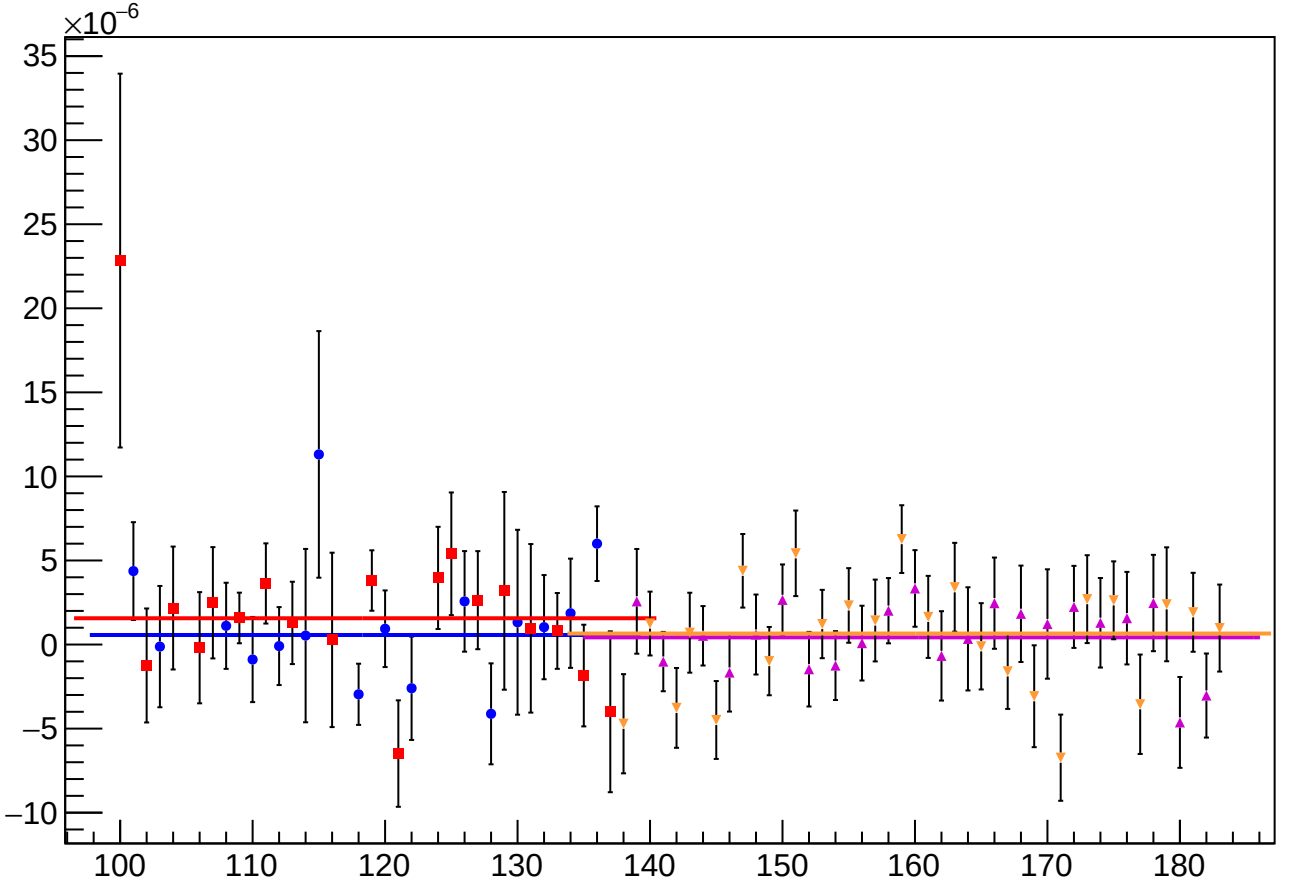
Left In: 25.857+/-0.005 χ^2/NDF:2888898.8/21

\+ sign 24.123+/-0.004 χ^2/NDF: 5608406.3/39

All: 24.145+/-0.003 χ^2/NDF: 10152279.0/80

\- sign 24.167+/-0.004 χ^2/NDF: 4543801.1/40

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

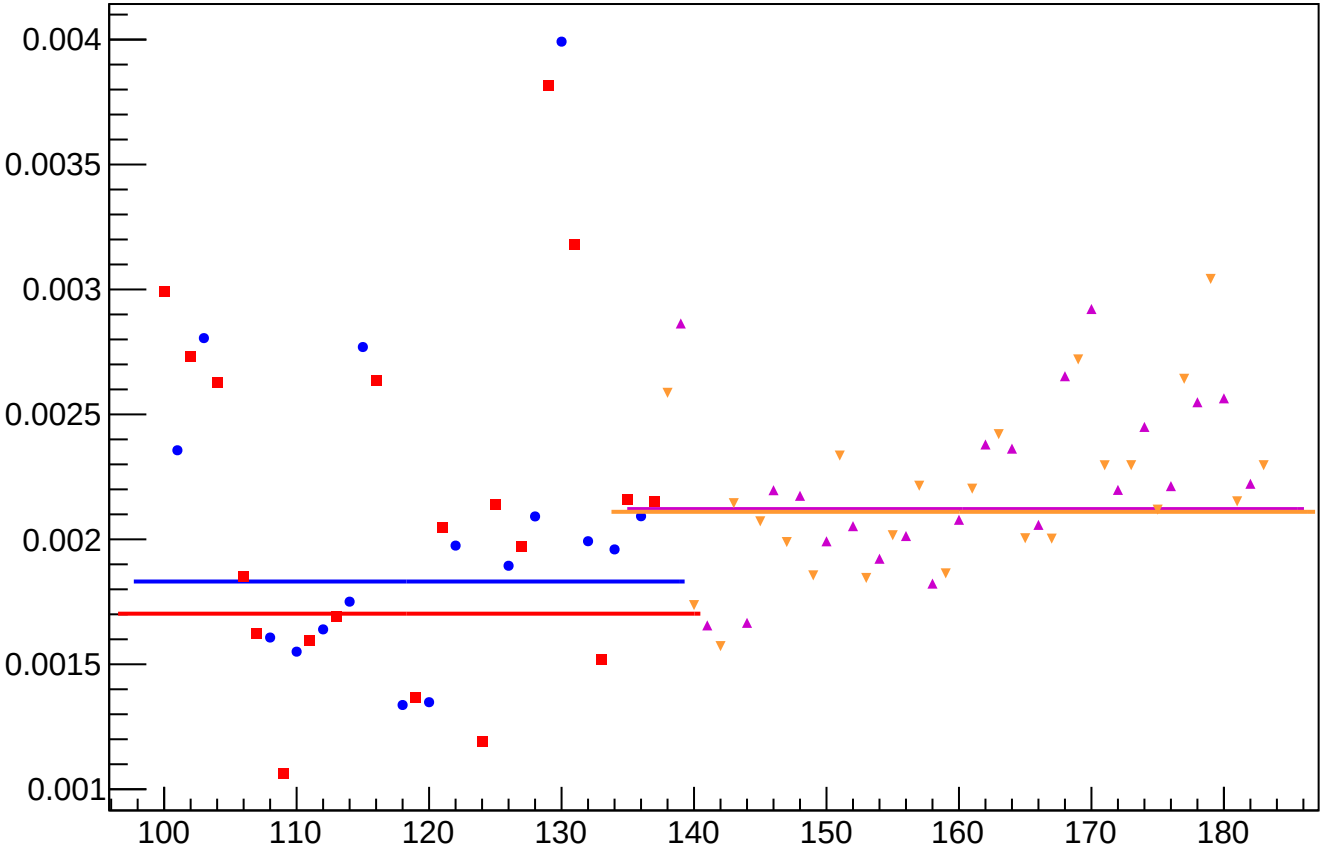
Left In: 0.000+/-0.000 χ^2/NDF:14.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 61.8/39

All: 0.000+/-0.000 χ^2/NDF: 96.7/80

- sign 0.000+/-0.000 χ^2/NDF: 34.7/40

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:724704.1/23

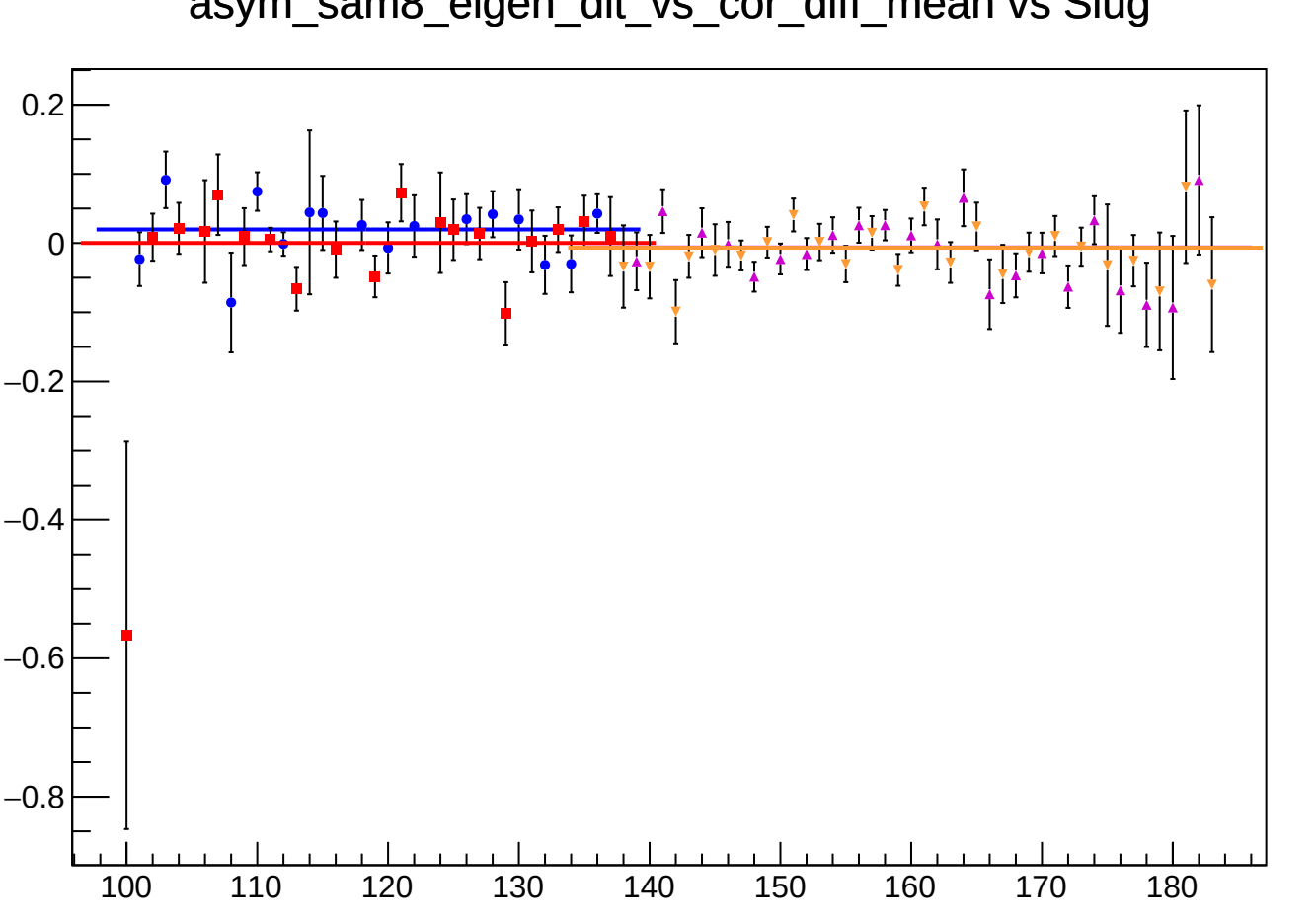
Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:828236.5/21

+ sign 0.002+/-0.000 χ^2/NDF: 1835974.6/39

All: 0.002+/-0.000 χ^2/NDF: 4667477.3/80

- sign 0.002+/-0.000 χ^2/NDF: 2813186.1/40



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:22.0/23

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

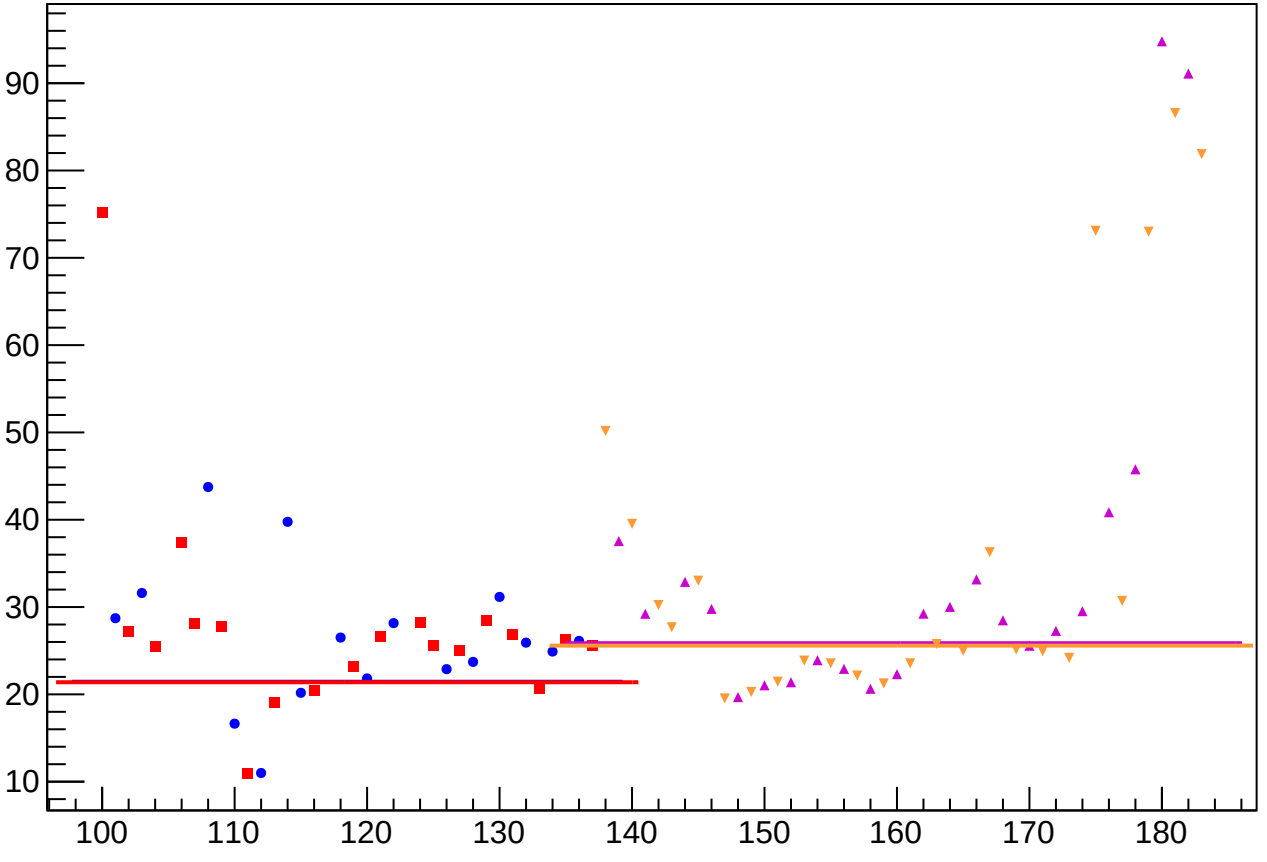
Left In: -0.006+/-0.007 χ^2/NDF:28.3/21

+ sign 0.003+/-0.005 χ^2/NDF: 45.0/39

All: -0.001+/-0.004 χ^2/NDF: 97.4/80

- sign -0.004+/-0.005 χ^2/NDF: 51.5/40

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.583+/-0.005 χ^2/NDF:3773612.3/23

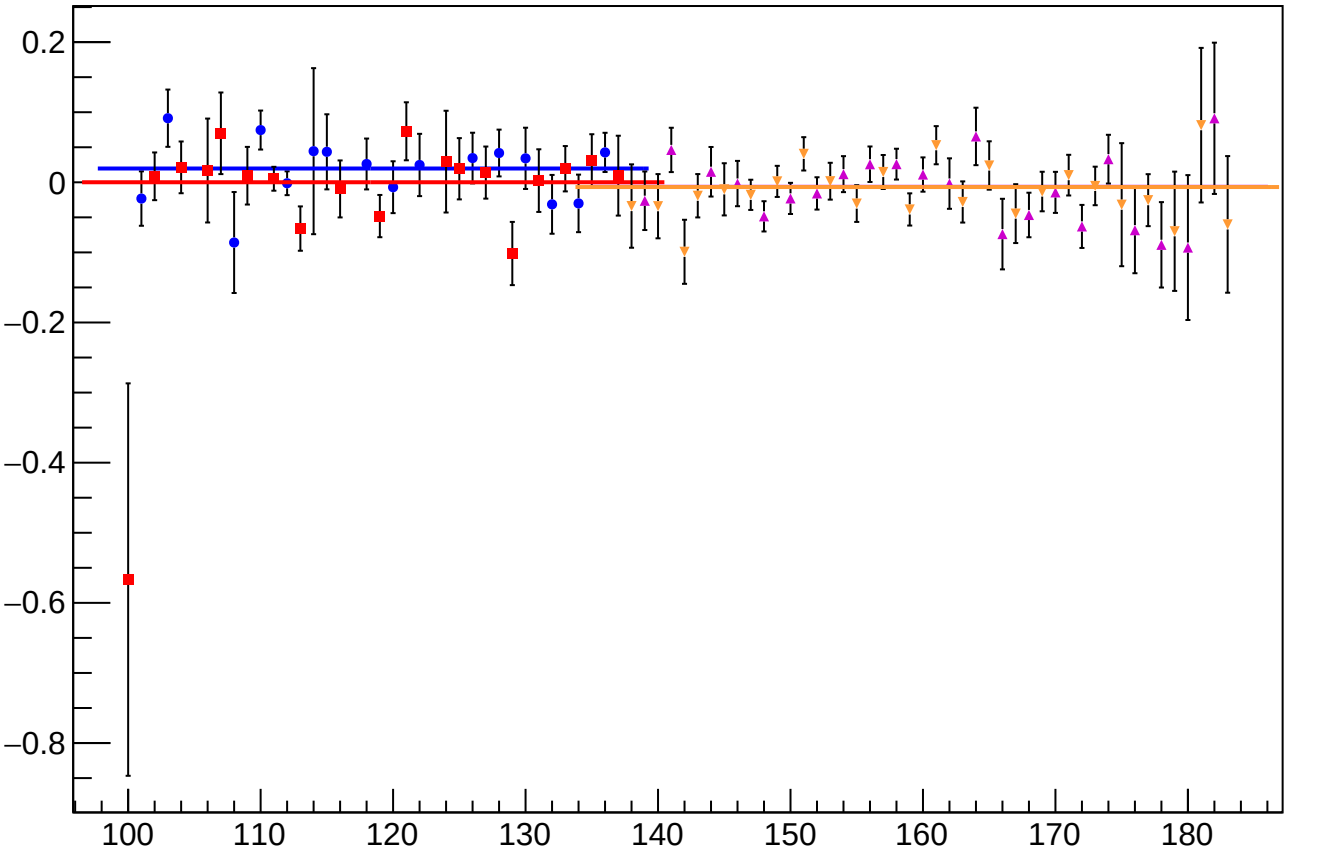
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.857+/-0.005 χ^2/NDF:2888879.2/21

\+ sign 24.123+/-0.004 χ^2/NDF: 5608674.7/39

All: 24.145+/-0.003 χ^2/NDF: 10152780.2/80

\- sign 24.167+/-0.004 χ^2/NDF: 4544033.8/40



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:22.0/23

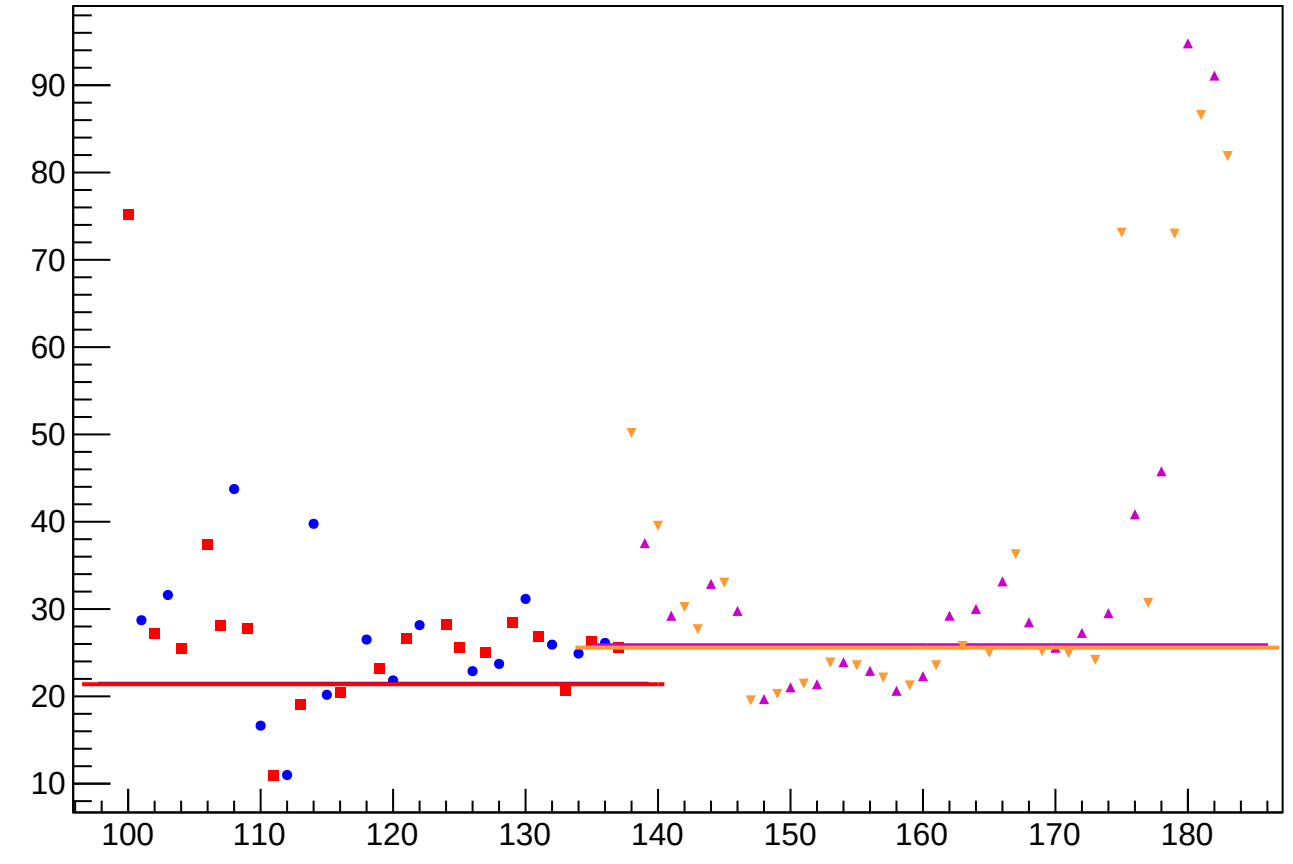
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.006+/-0.007 χ^2/NDF:28.3/21

+ sign 0.003+/-0.005 χ^2/NDF: 45.0/39

All: -0.001+/-0.004 χ^2/NDF: 97.4/80

- sign -0.004+/-0.005 χ^2/NDF: 51.5/40



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.583+/-0.005 χ^2/NDF:3773612.3/23

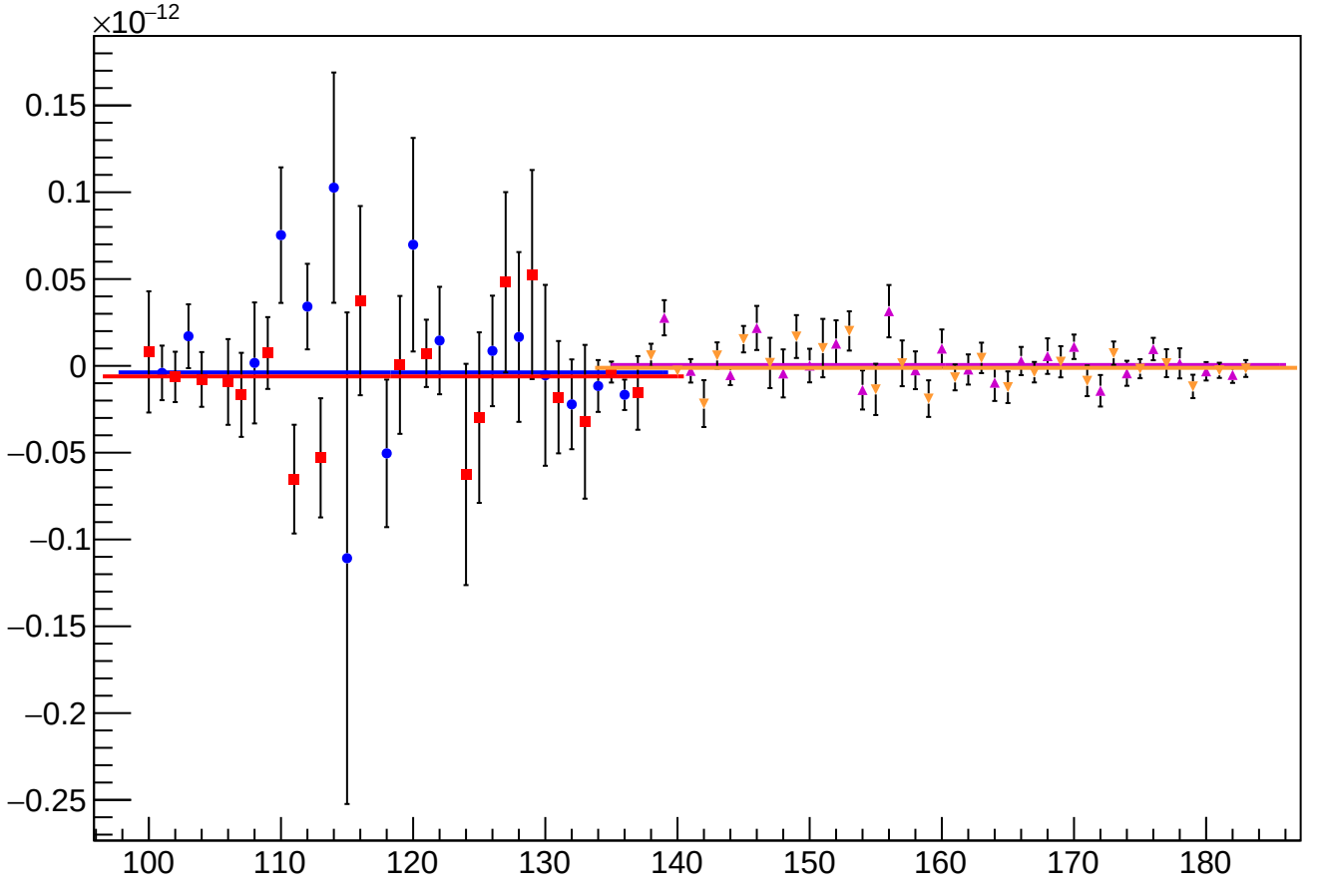
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.857+/-0.005 χ^2/NDF:2888879.2/21

+ sign 24.123+/-0.004 χ^2/NDF: 5608674.7/39

All: 24.145+/-0.003 χ^2/NDF: 10152780.2/80

- sign 24.167+/-0.004 χ^2/NDF: 4544033.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

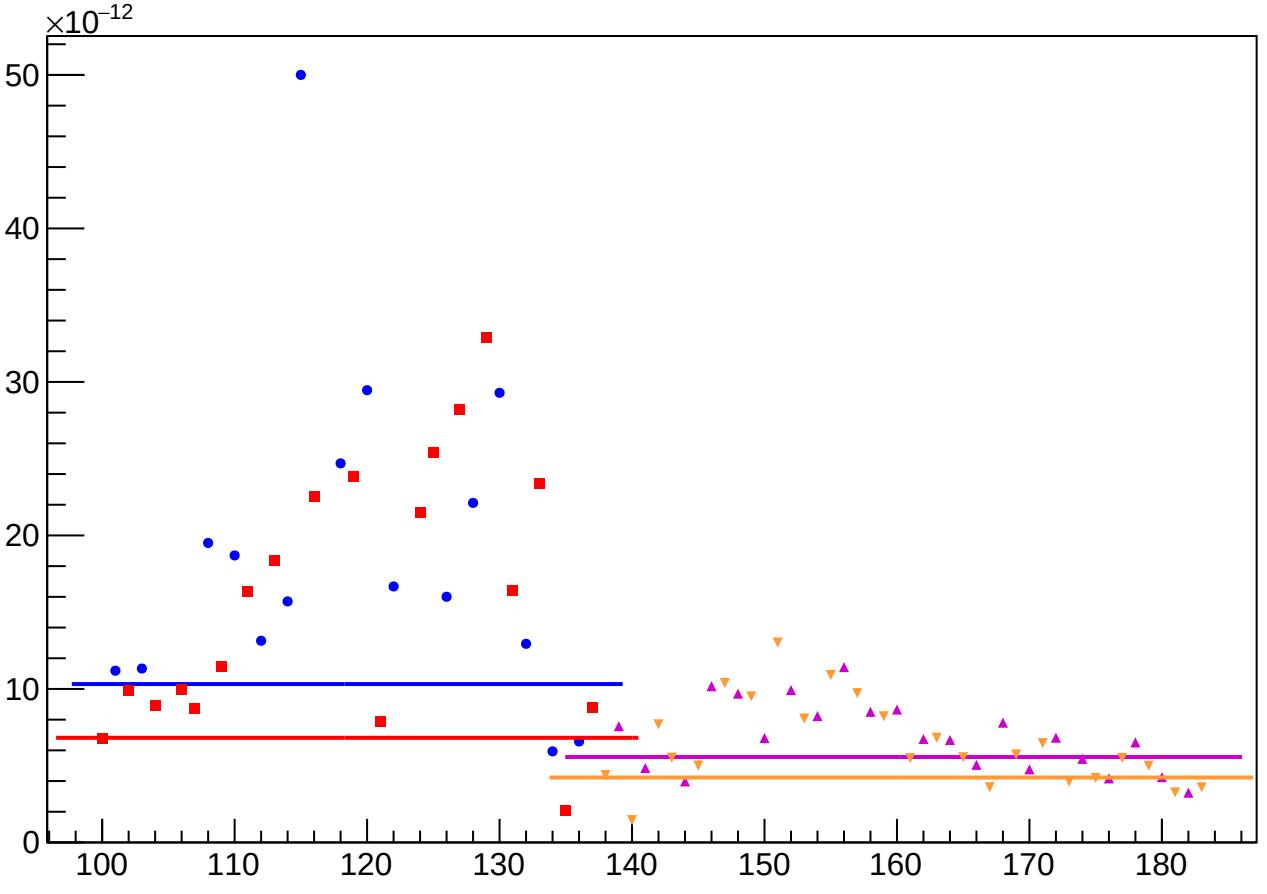
Left In: 0.000+/-0.000 χ^2/NDF:29.7/21

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/39

All: -0.000+/-0.000 χ^2/NDF: 87.5/80

- sign -0.000+/-0.000 χ^2/NDF: 42.9/40

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5315504.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

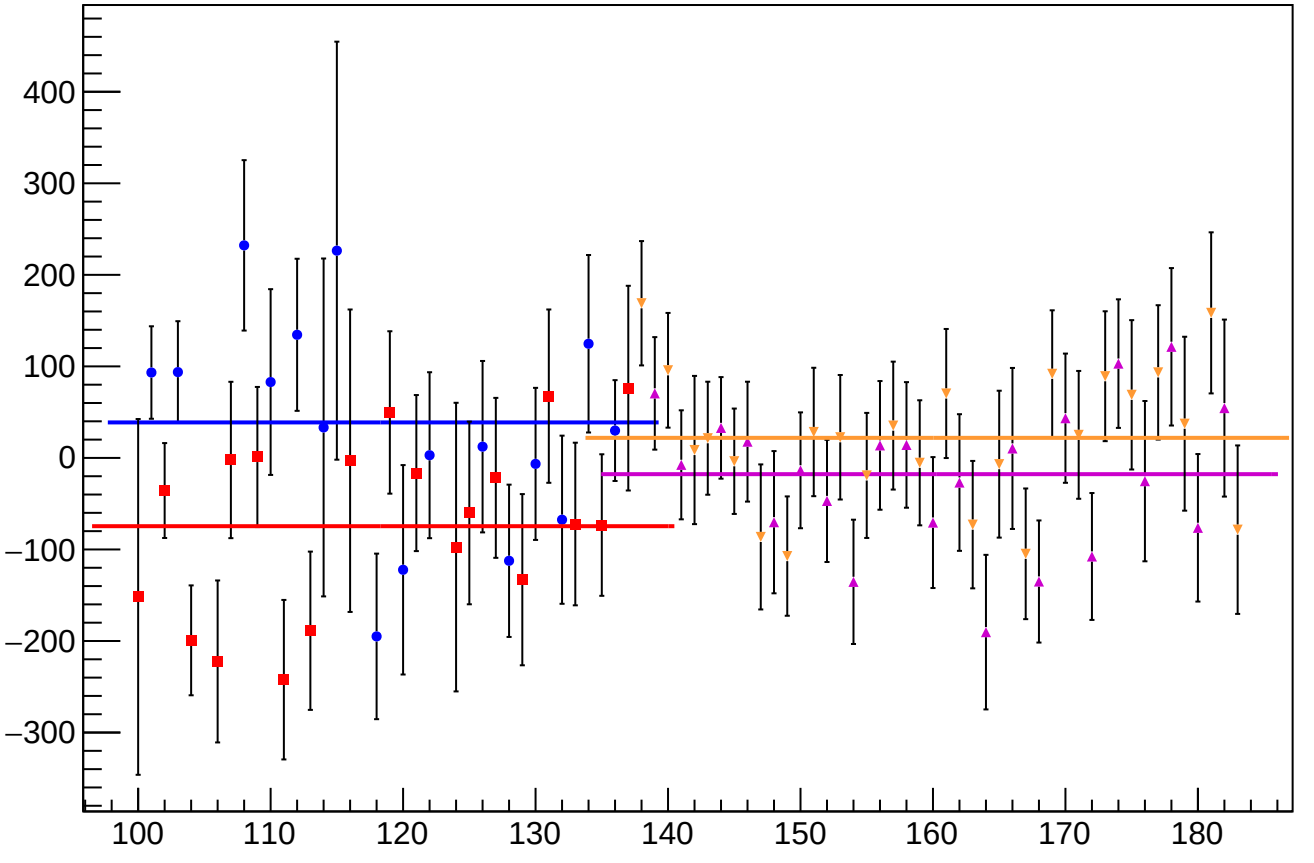
Left In: 0.000+/-0.000 χ^2/NDF:2633588.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 9570871.9/39

All: 0.000+/-0.000 χ^2/NDF: 16954424.5/80

- sign 0.000+/-0.000 χ^2/NDF: 6799412.0/40

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 21.930+/-14.586 χ^2/NDF:25.1/23

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

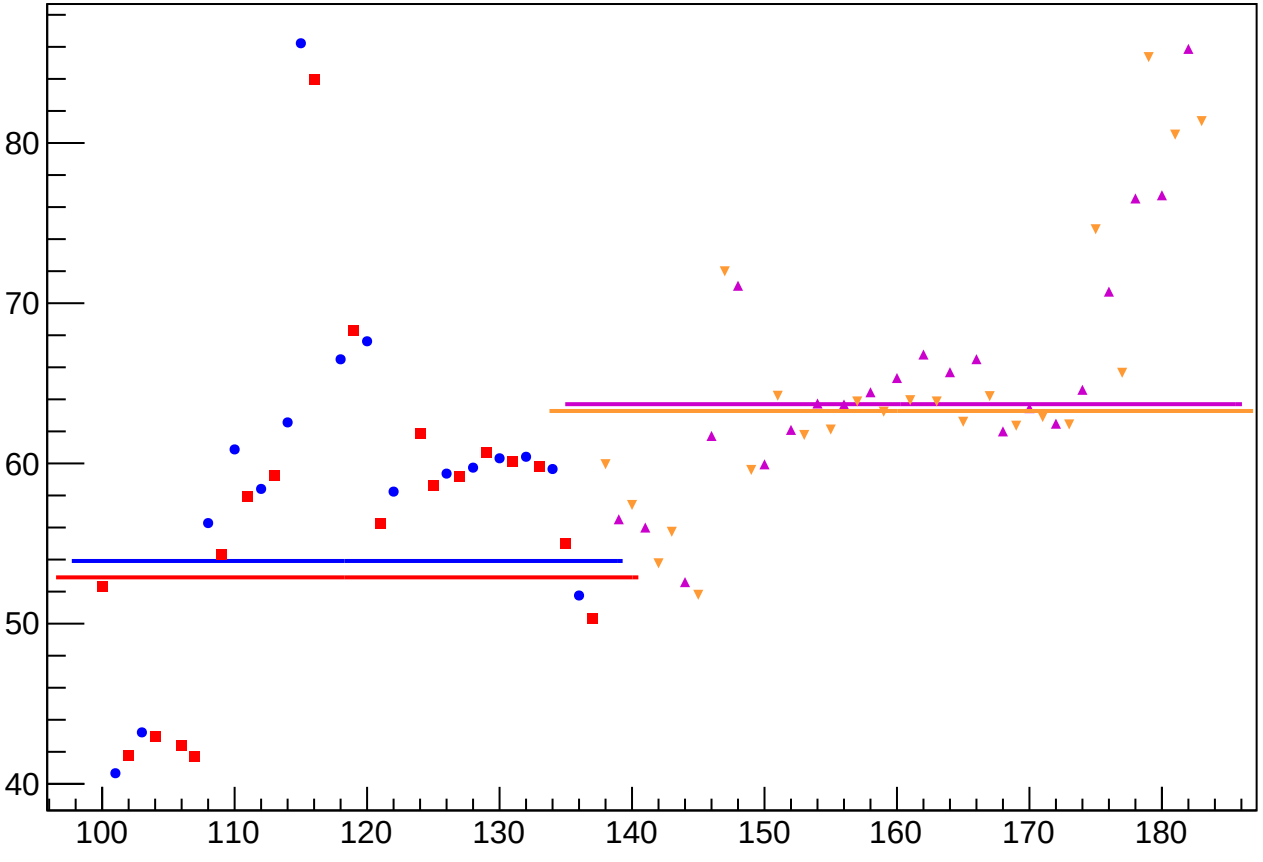
Left In: -17.742+/-15.103 χ^2/NDF:24.3/21

+ sign 27.626+/-11.868 χ^2/NDF: 48.8/39

All: -5.118+/-8.441 χ^2/NDF: 116.2/80

- sign -38.645+/-12.009 χ^2/NDF: 52.0/40

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 63.274+/-0.010 χ^2/NDF:496333.8/23

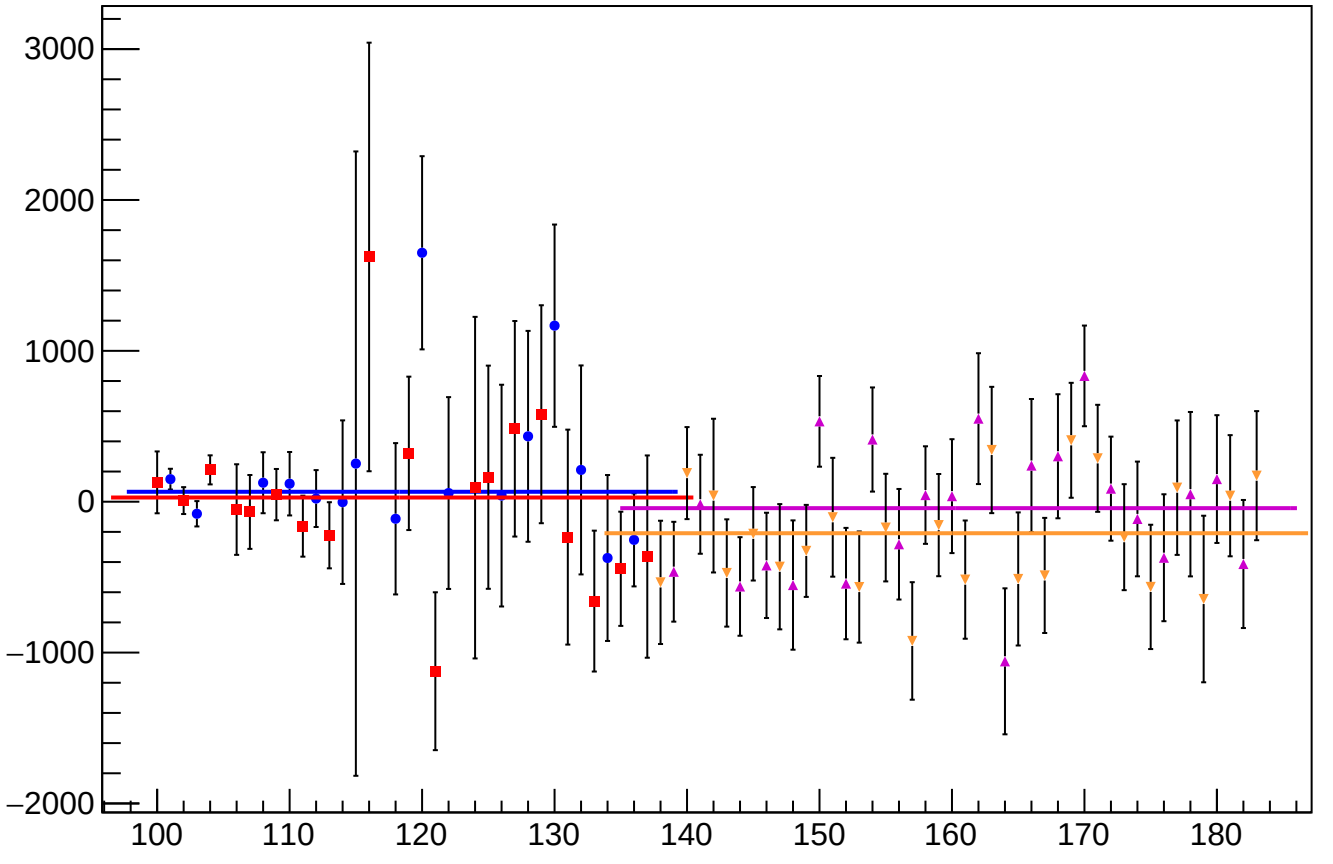
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 63.699+/-0.011 χ^2/NDF:394225.8/21

+ sign 60.110+/-0.008 χ^2/NDF: 1168102.2/39

All: 59.919+/-0.006 χ^2/NDF: 2365427.5/80

- sign 59.723+/-0.008 χ^2/NDF: 1196275.3/40



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -208.894+/-77.731 χ^2/NDF:18.9/23

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

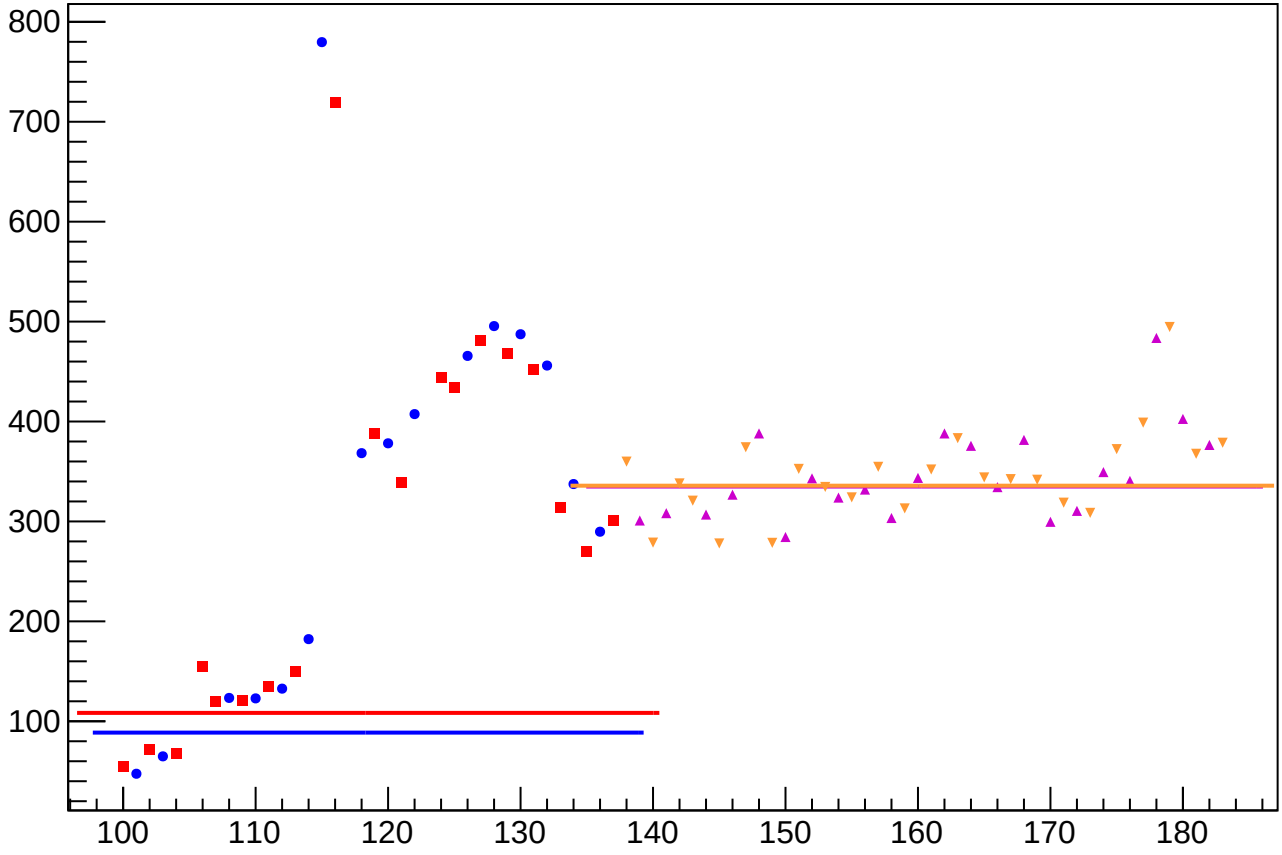
Left In: -42.703+/-79.714 χ^2/NDF:30.6/21

+ sign -6.507+/-39.891 χ^2/NDF: 43.8/39

All: 0.171+/-29.097 χ^2/NDF: 93.0/80

- sign 7.763+/-42.534 χ^2/NDF: 49.1/40

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 335.766+/-0.055 χ^2/NDF:558869.0/23

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

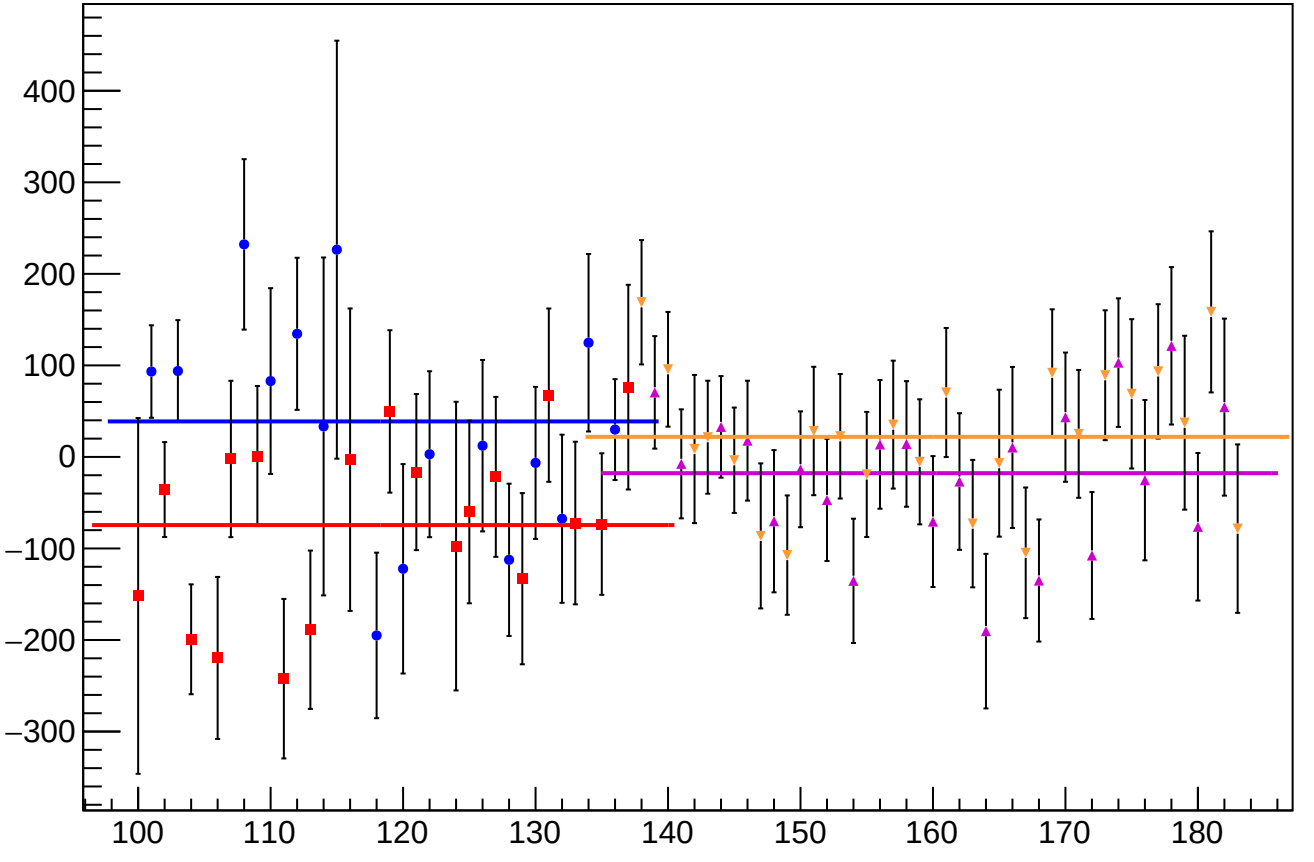
Left In: 334.903+/-0.056 χ^2/NDF:485463.1/21

+ sign 153.739+/-0.028 χ^2/NDF: 22095968.0/39

All: 162.694+/-0.021 χ^2/NDF: 39711354.9/80

- sign 172.876+/-0.030 χ^2/NDF: 17399973.6/40

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 21.932+/-14.586 χ^2/NDF:25.1/23

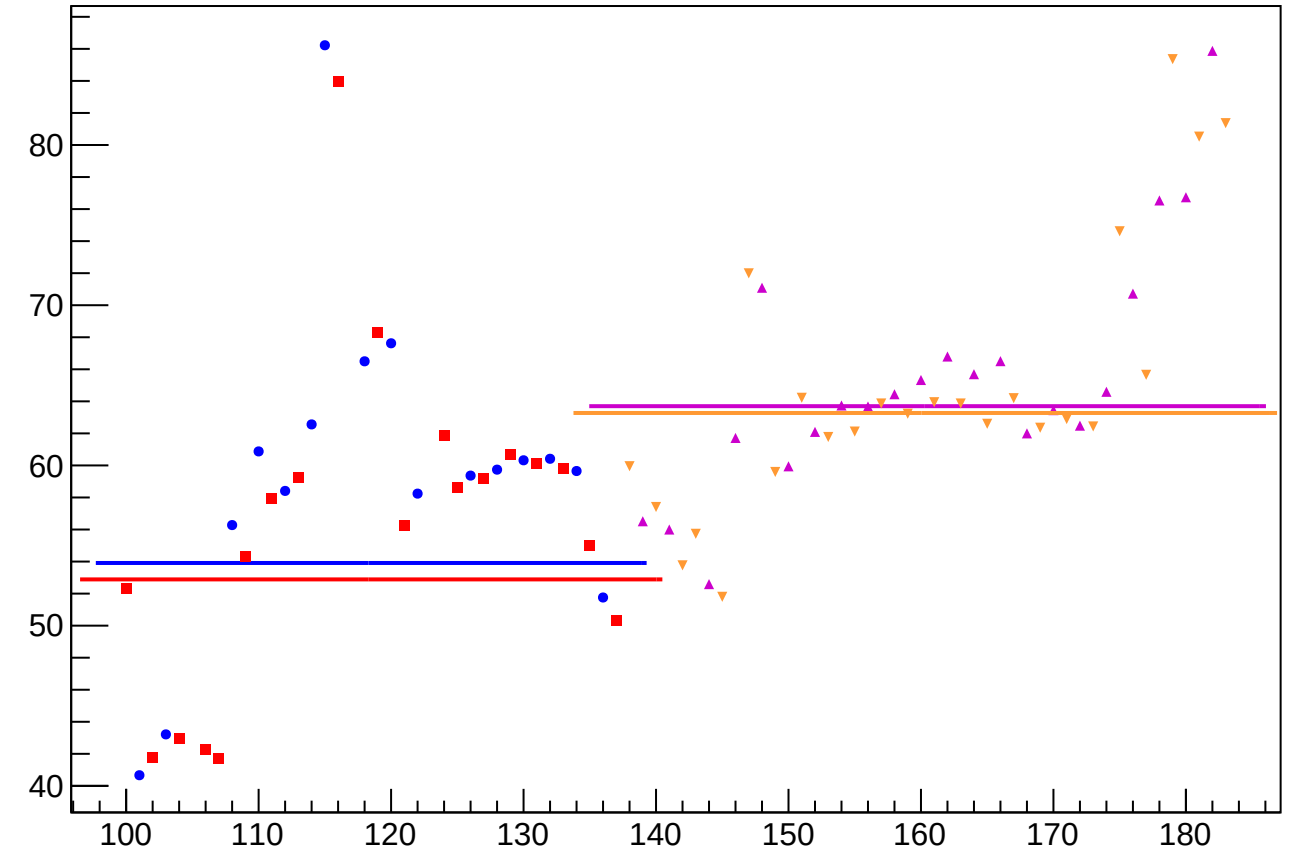
Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -17.742+/-15.103 χ^2/NDF:24.3/21

+ sign 27.631+/-11.868 χ^2/NDF: 48.8/39

All: -5.089+/-8.441 χ^2/NDF: 116.1/80

- sign -38.593+/-12.009 χ^2/NDF: 51.8/40



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 63.274+/-0.010 χ^2/NDF:496333.9/23

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

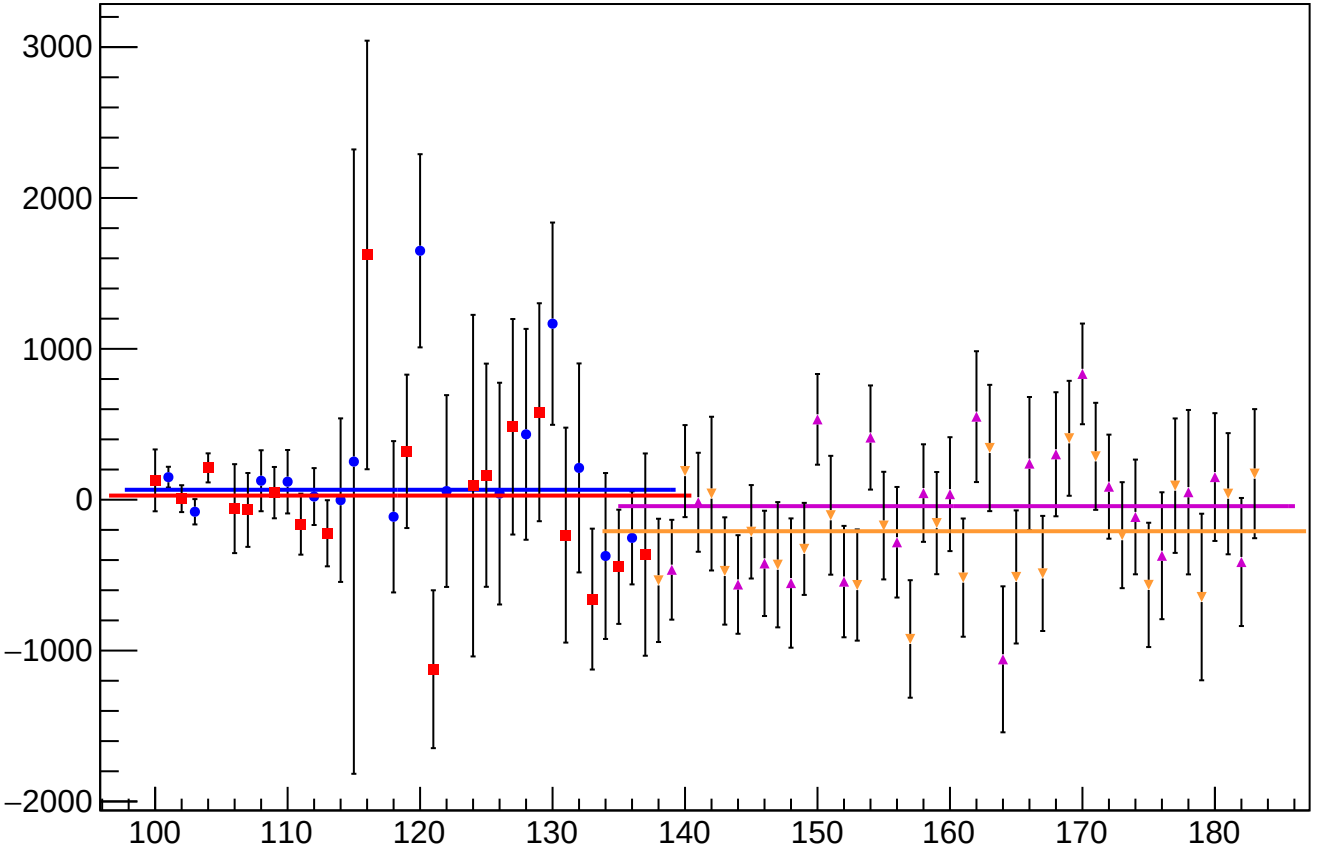
Left In: 63.699+/-0.011 χ^2/NDF:394225.9/21

+ sign 60.110+/-0.008 χ^2/NDF: 1168101.1/39

All: 59.919+/-0.006 χ^2/NDF: 2365859.5/80

- sign 59.723+/-0.008 χ^2/NDF: 1196705.7/40

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -208.890+/-77.731 χ^2/NDF:18.9/23

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

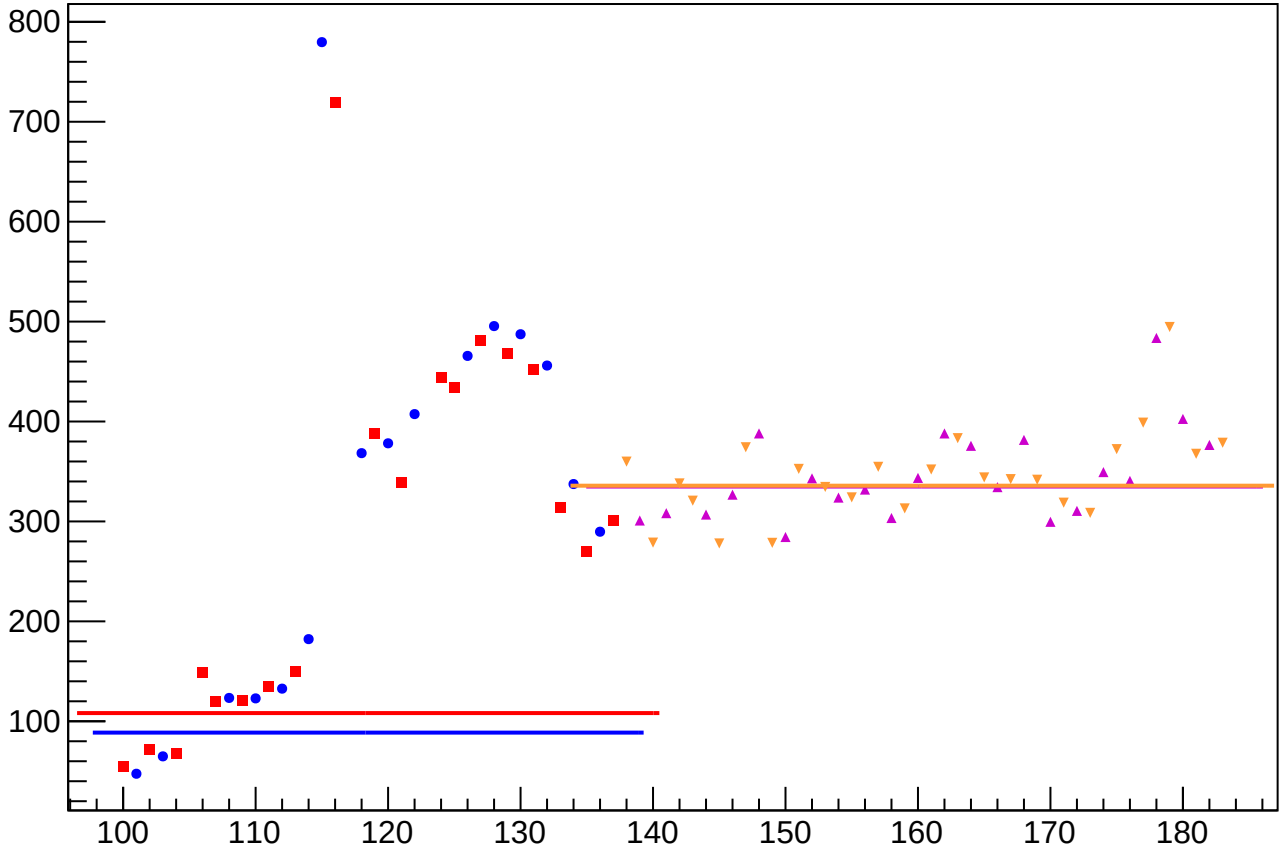
Left In: -42.700+/-79.714 χ^2/NDF:30.6/21

+ sign -6.501+/-39.891 χ^2/NDF: 43.8/39

All: 0.042+/-29.088 χ^2/NDF: 93.0/80

- sign 7.470+/-42.508 χ^2/NDF: 49.2/40

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 335.766+/-0.055 χ^2/NDF:558865.6/23

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

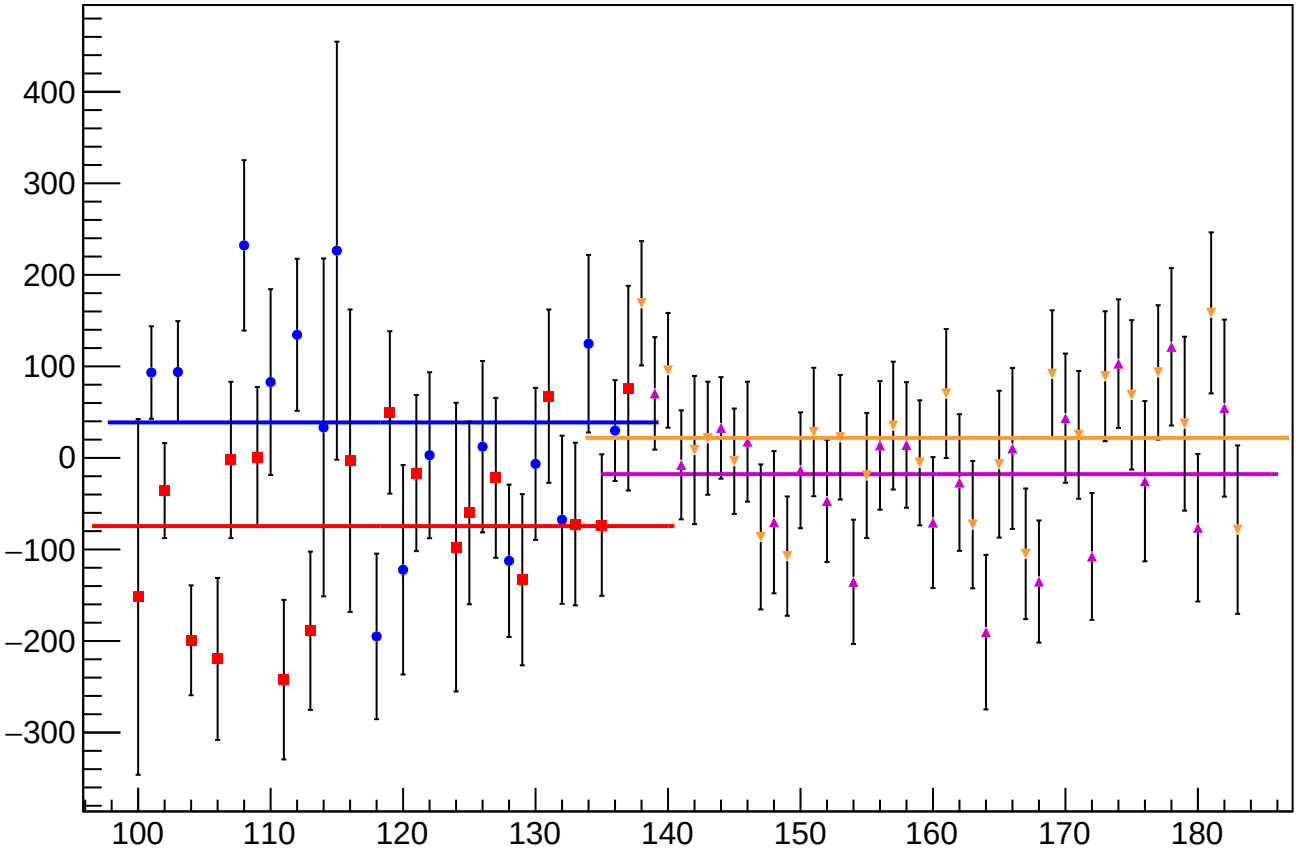
Left In: 334.902+/-0.056 χ^2/NDF:485468.8/21

+ sign 153.735+/-0.028 χ^2/NDF: 22096528.7/39

All: 162.601+/-0.021 χ^2/NDF: 39723365.9/80

- sign 172.670+/-0.030 χ^2/NDF: 17415813.9/40

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 21.932+/-14.586 χ^2/NDF:25.1/23

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

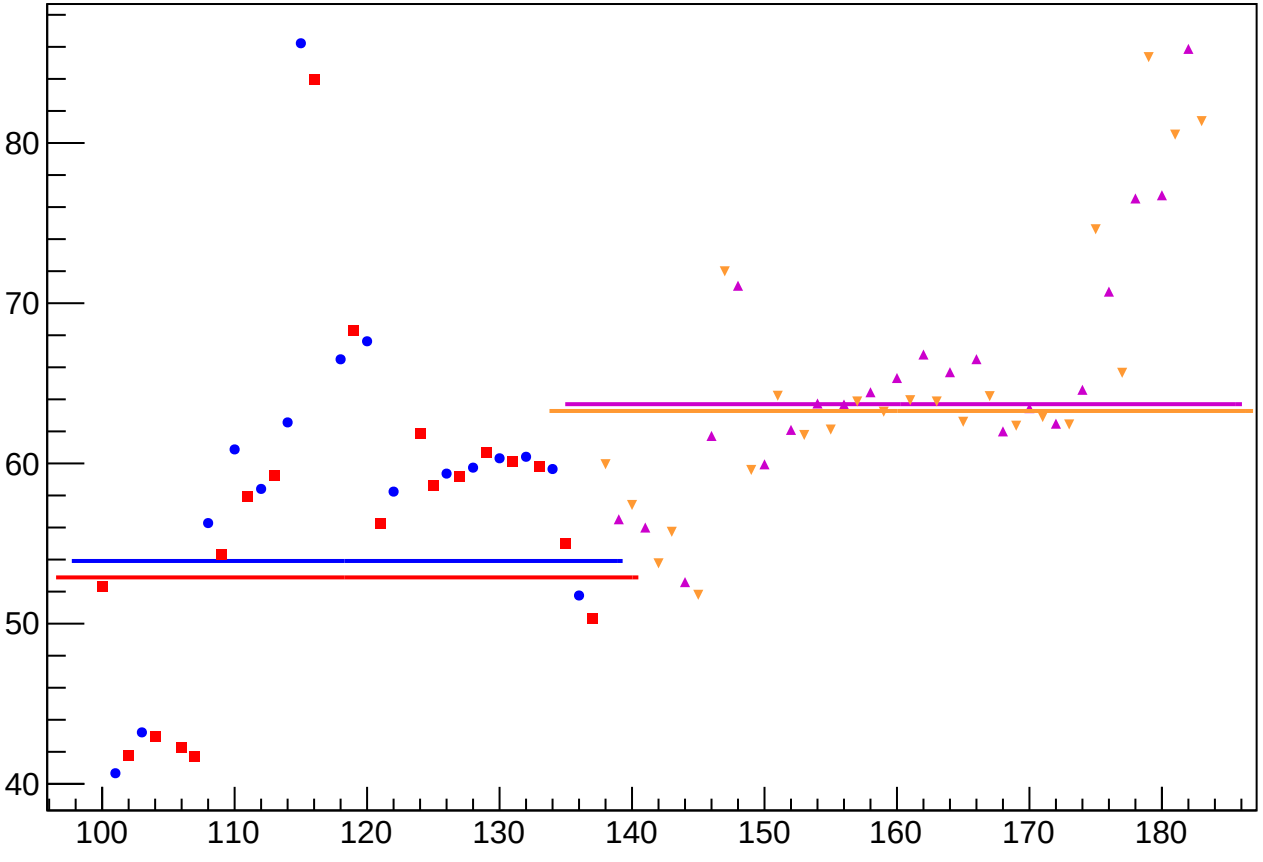
Left In: -17.742+/-15.103 χ^2/NDF:24.3/21

+ sign 27.631+/-11.868 χ^2/NDF: 48.8/39

All: -5.089+/-8.441 χ^2/NDF: 116.1/80

- sign -38.593+/-12.009 χ^2/NDF: 51.8/40

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 63.274+/-0.010 χ^2/NDF:496333.9/23

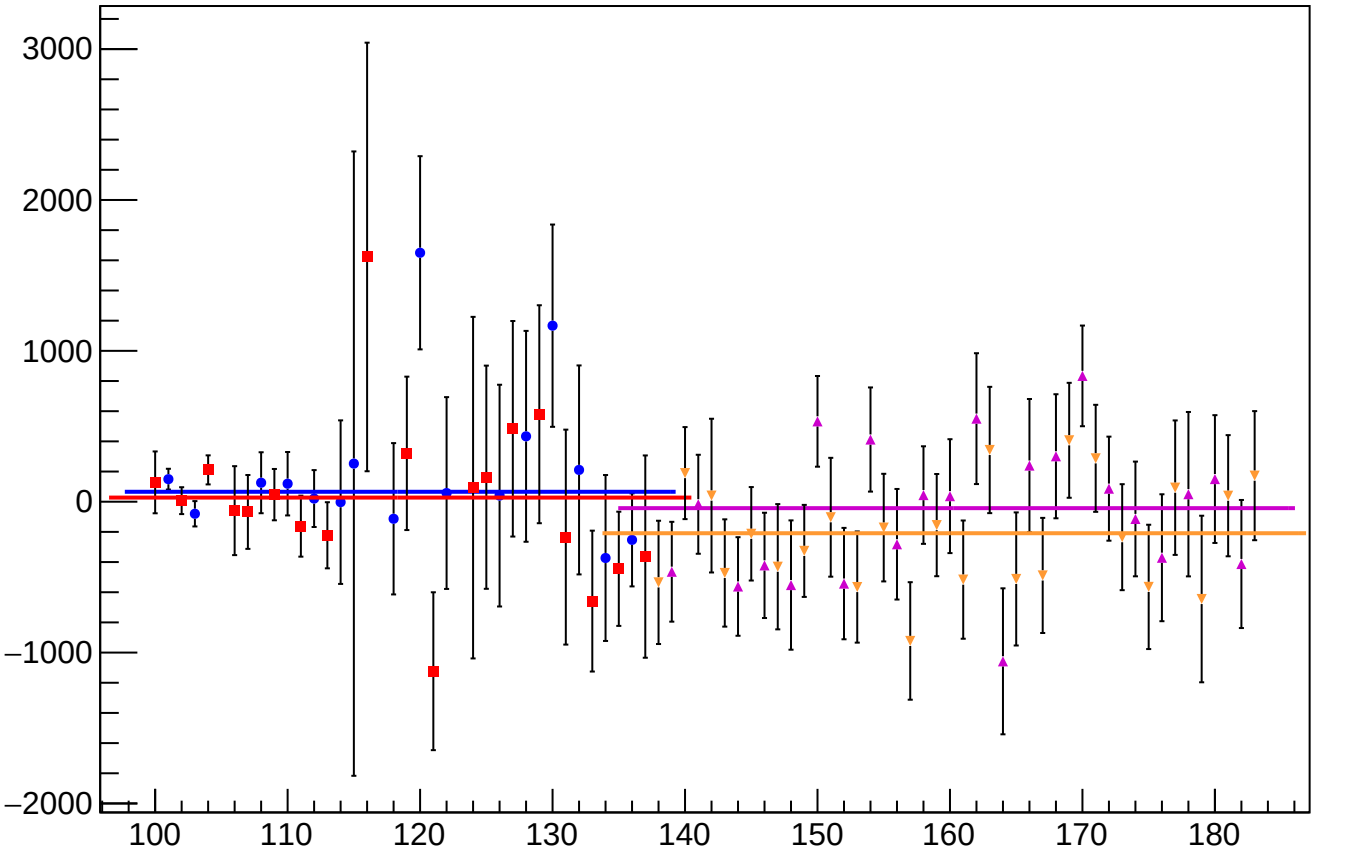
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.699+/-0.011 χ^2/NDF:394225.9/21

+ sign 60.110+/-0.008 χ^2/NDF: 1168101.1/39

All: 59.919+/-0.006 χ^2/NDF: 2365859.5/80

- sign 59.723+/-0.008 χ^2/NDF: 1196705.7/40



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -208.890+/-77.731 χ^2/NDF:18.9/23

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

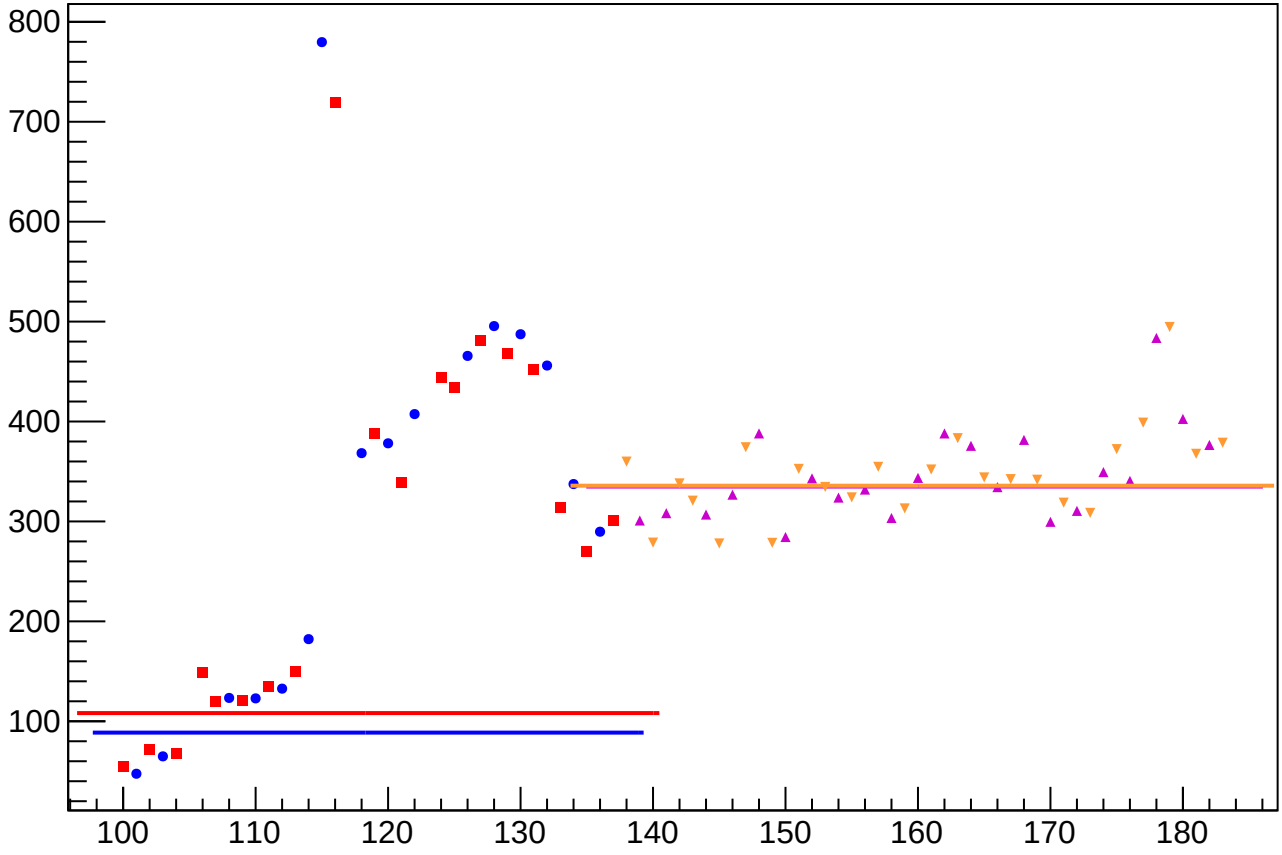
Left In: -42.700+/-79.714 χ^2/NDF:30.6/21

+ sign -6.501+/-39.891 χ^2/NDF: 43.8/39

All: 0.042+/-29.088 χ^2/NDF: 93.0/80

- sign 7.470+/-42.508 χ^2/NDF: 49.2/40

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 335.766+/-0.055 χ^2/NDF:558865.6/23

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

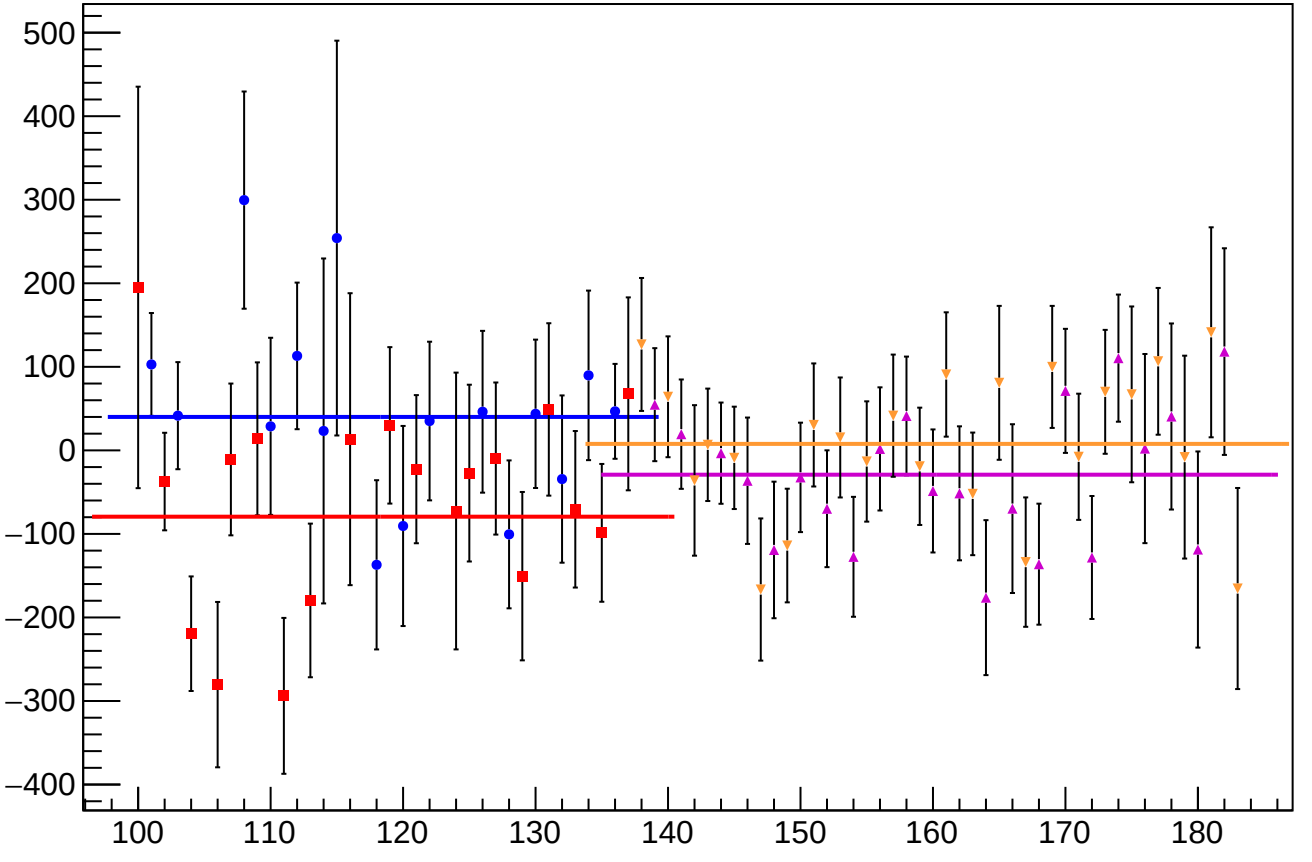
Left In: 334.902+/-0.056 χ^2/NDF:485468.8/21

+ sign 153.735+/-0.028 χ^2/NDF: 22096528.7/39

All: 162.601+/-0.021 χ^2/NDF: 39723365.9/80

- sign 172.670+/-0.030 χ^2/NDF: 17415813.9/40

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 7.757+/-16.033 χ^2/NDF:24.1/23

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

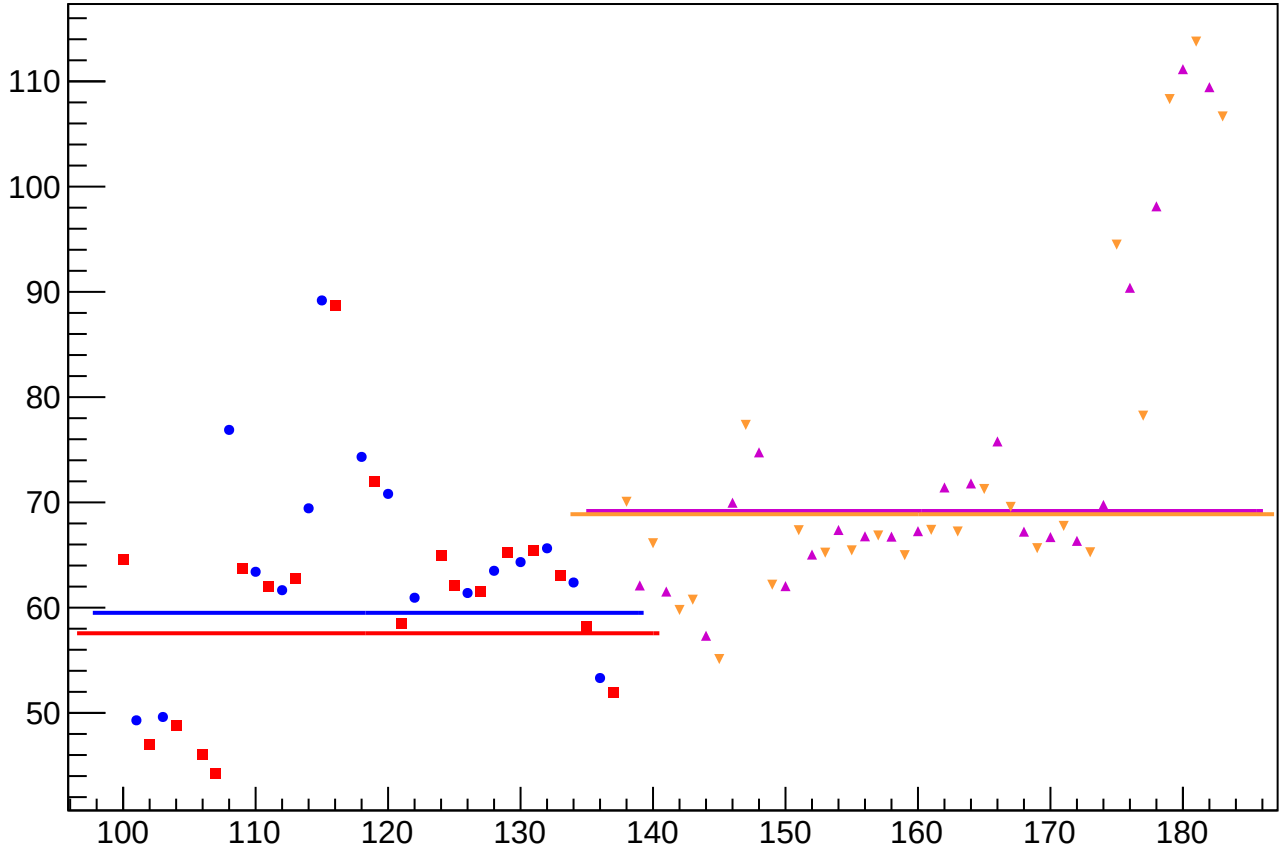
Left In: -29.116+/-16.568 χ^2/NDF:21.3/21

+ sign 18.616+/-13.060 χ^2/NDF: 39.6/39

All: -14.366+/-9.263 χ^2/NDF: 102.0/80

- sign -47.759+/-13.141 χ^2/NDF: 49.6/40

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 68.878+/-0.011 χ^2/NDF:1028378.4/23

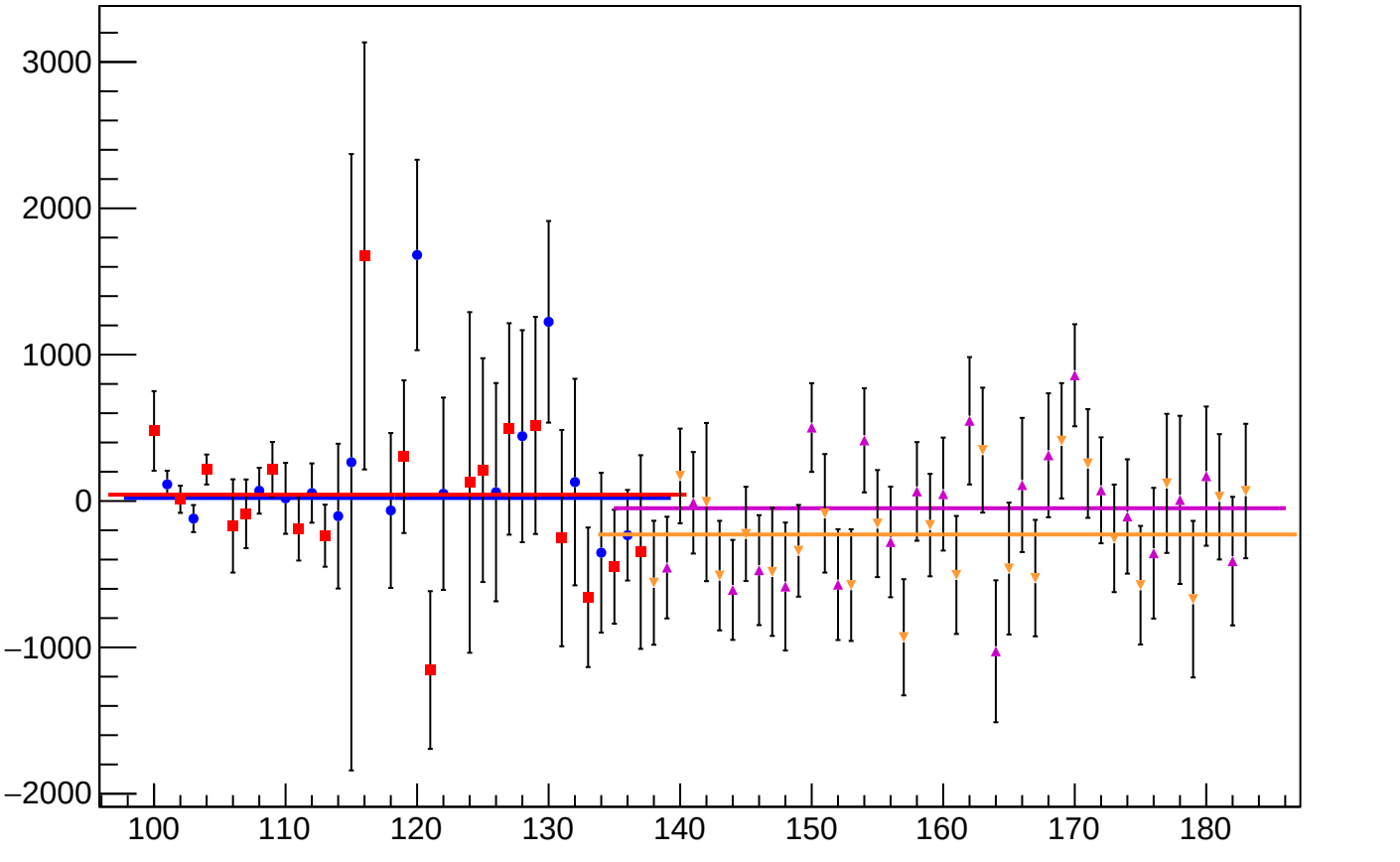
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 69.182+/-0.012 χ^2/NDF:864670.7/21

+ sign 65.725+/-0.009 χ^2/NDF: 1541364.5/39

All: 65.302+/-0.007 χ^2/NDF: 3122244.2/80

- sign 64.874+/-0.009 χ^2/NDF: 1576656.2/40



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -228.459+/-80.607 χ^2/NDF:17.7/23

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

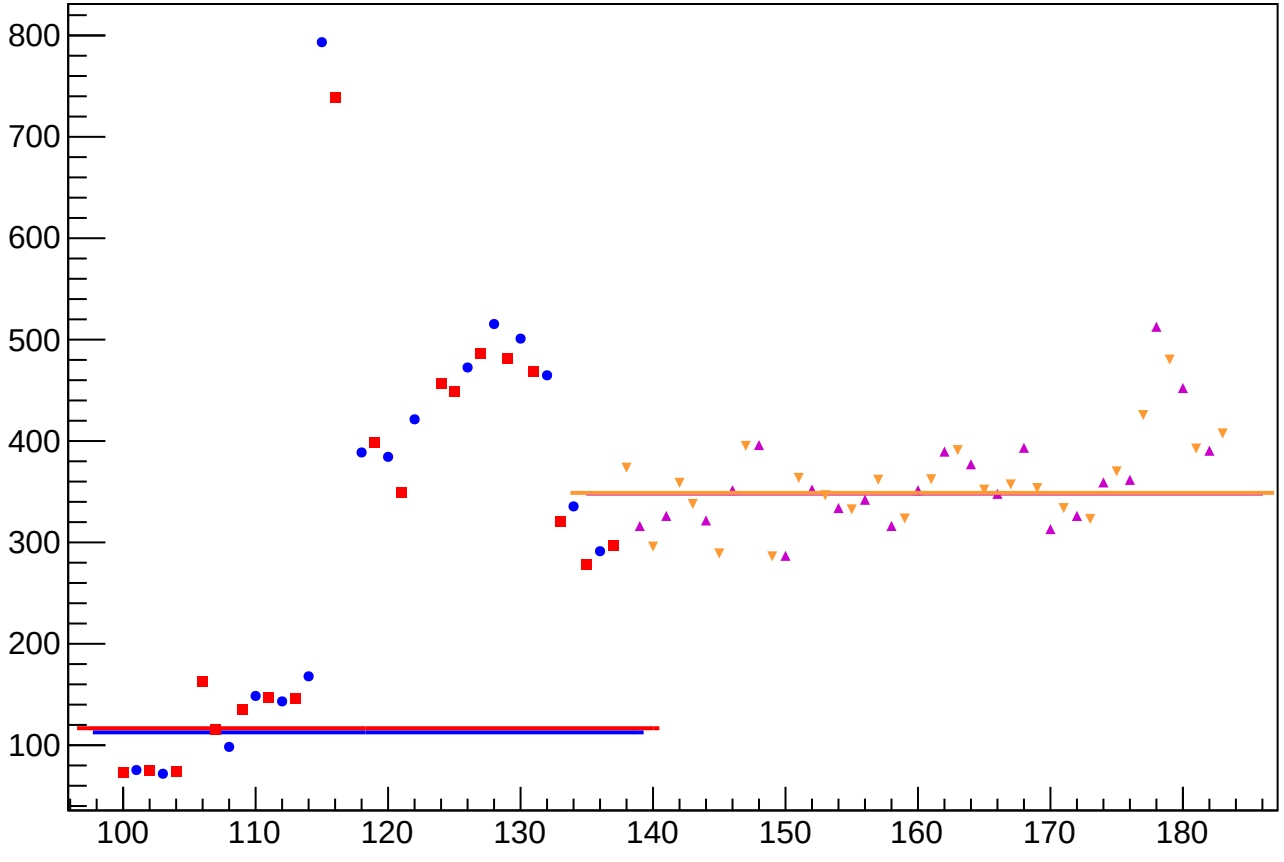
Left In: -49.295+/-82.848 χ^2/NDF:29.4/21

+ sign -55.565+/-44.625 χ^2/NDF: 39.0/39

All: -19.784+/-31.606 χ^2/NDF: 92.0/80

- sign 16.232+/-44.771 χ^2/NDF: 51.8/40

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 348.850+/-0.057 χ^2/NDF:521266.6/23

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

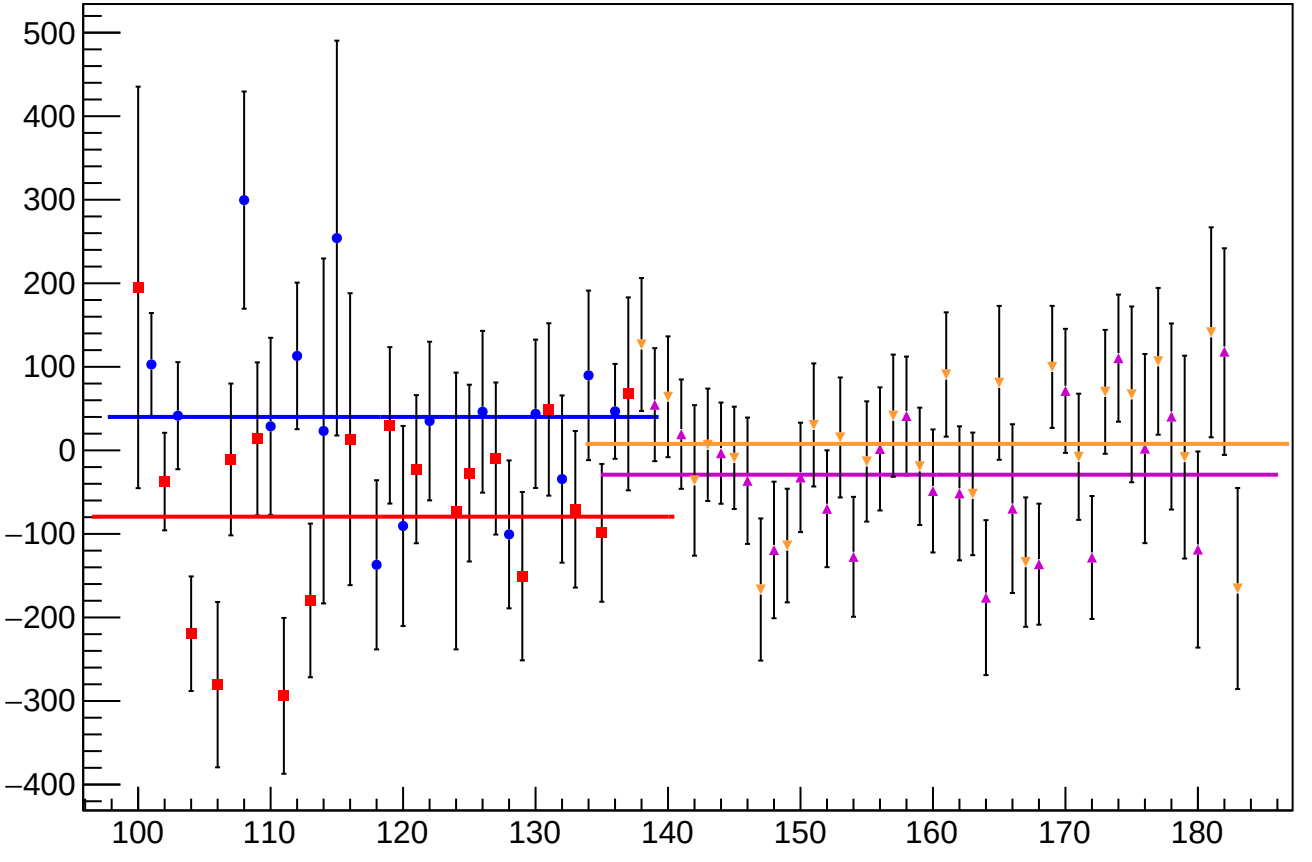
Left In: 348.167+/-0.059 χ^2/NDF:522587.3/21

+ sign 185.053+/-0.032 χ^2/NDF: 18028816.3/39

All: 184.687+/-0.022 χ^2/NDF: 34742205.6/80

- sign 184.319+/-0.032 χ^2/NDF: 16713120.0/40

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 7.757+/-16.033 χ^2/NDF:24.1/23

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

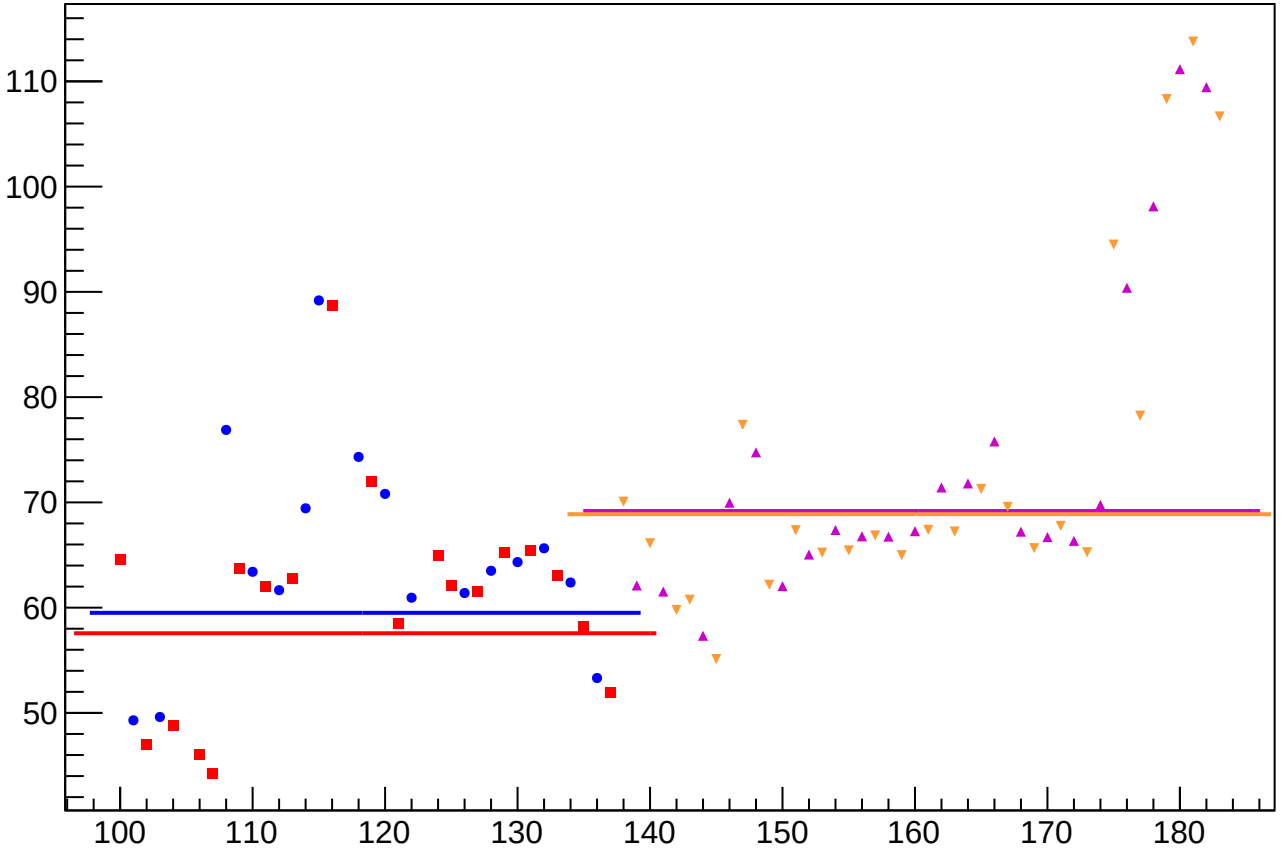
Left In: -29.116+/-16.568 χ^2/NDF:21.3/21

+ sign 18.616+/-13.060 χ^2/NDF: 39.6/39

All: -14.366+/-9.263 χ^2/NDF: 102.0/80

- sign -47.759+/-13.141 χ^2/NDF: 49.6/40

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 68.878+/-0.011 χ^2/NDF:1028361.3/23

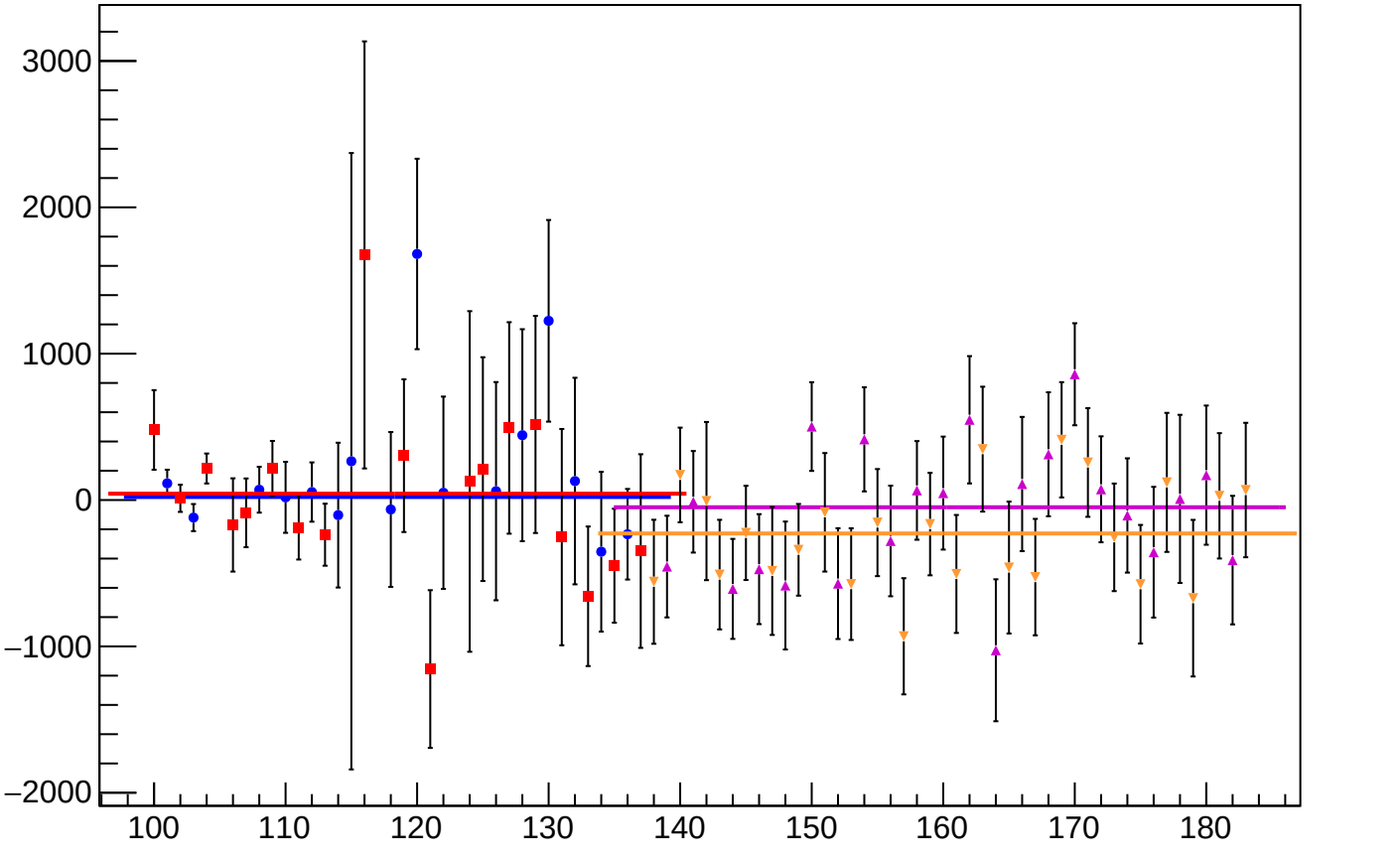
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 69.182+/-0.012 χ^2/NDF:864655.0/21

+ sign 65.725+/-0.009 χ^2/NDF: 1541353.9/39

All: 65.302+/-0.007 χ^2/NDF: 3122227.9/80

- sign 64.874+/-0.009 χ^2/NDF: 1576650.9/40



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -228.458+/-80.607 χ^2/NDF:17.7/23

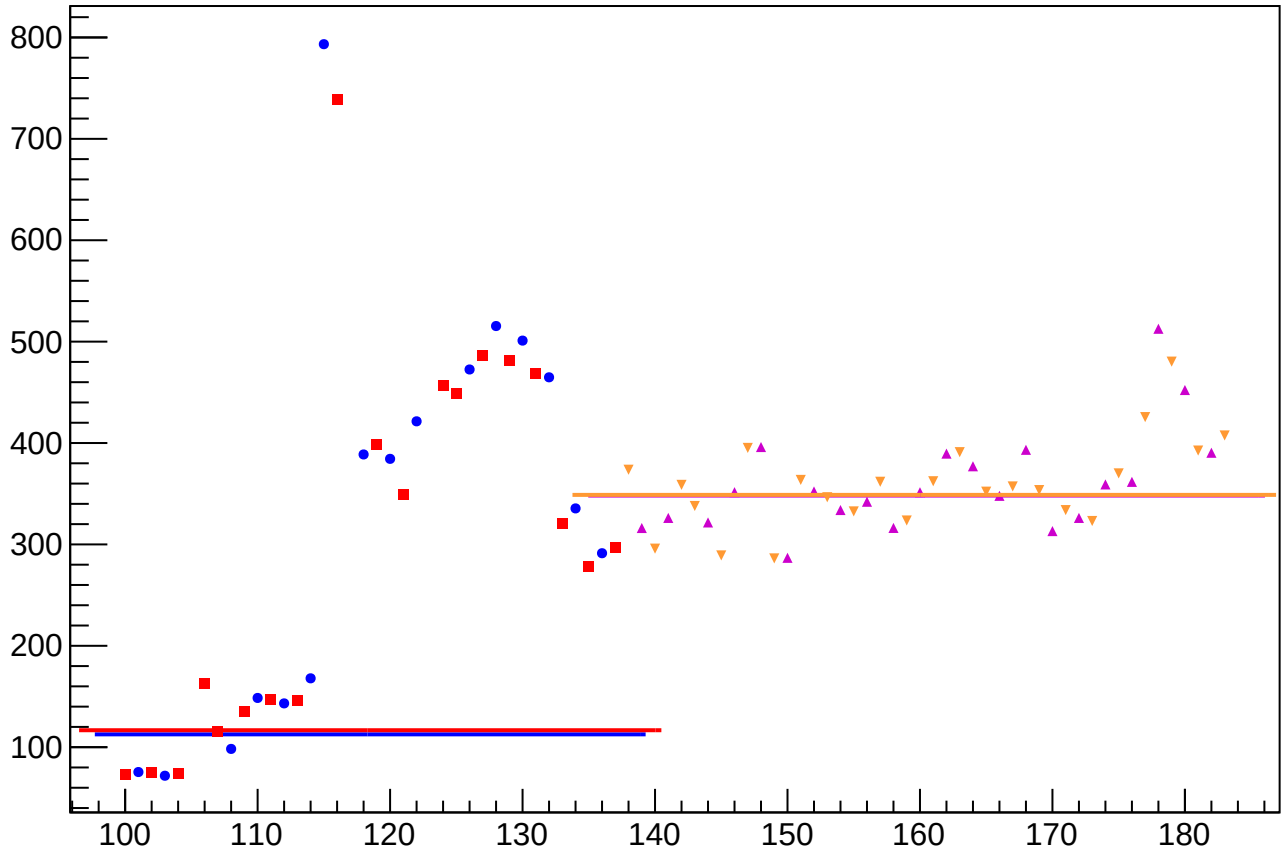
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -49.295+/-82.849 χ^2/NDF:29.4/21

+ sign -55.565+/-44.625 χ^2/NDF: 39.0/39

All: -19.784+/-31.606 χ^2/NDF: 92.0/80

- sign 16.232+/-44.771 χ^2/NDF: 51.8/40



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 348.850+/-0.057 χ^2/NDF:521258.4/23

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

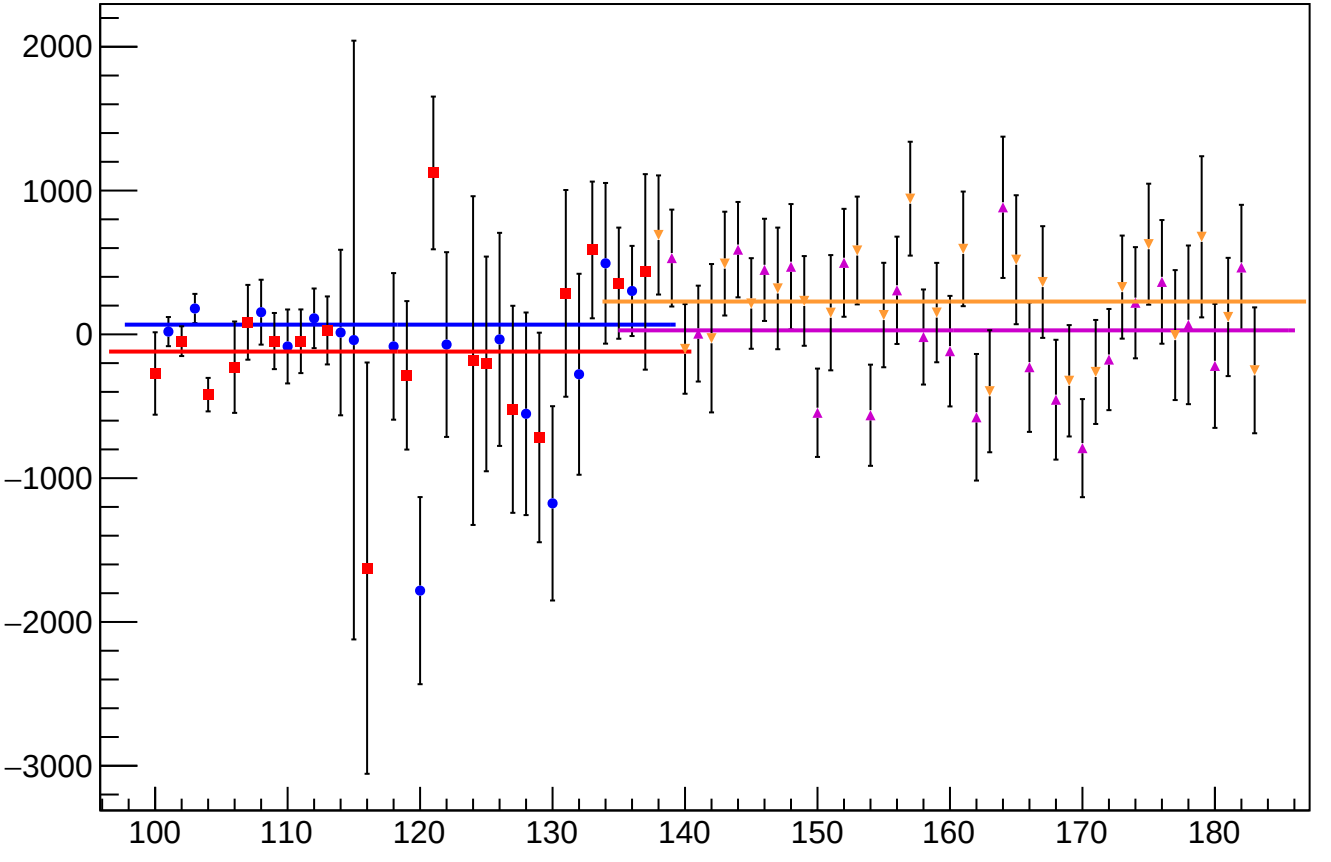
Left In: 348.168+/-0.059 χ^2/NDF:522580.4/21

+ sign 185.053+/-0.032 χ^2/NDF: 18028874.1/39

All: 184.687+/-0.022 χ^2/NDF: 34742342.7/80

- sign 184.319+/-0.032 χ^2/NDF: 16713199.2/40

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 228.331+/-79.160 χ^2/NDF:18.1/23

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

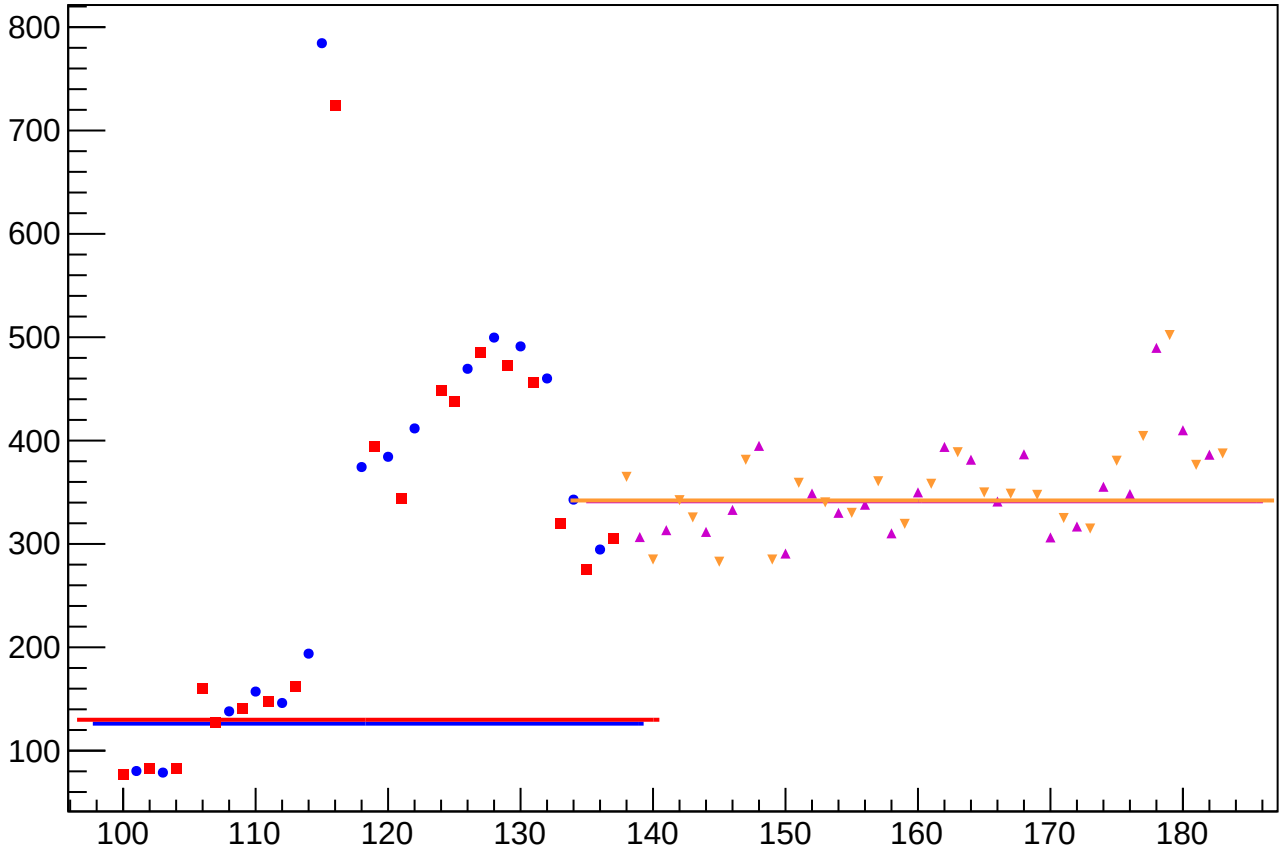
Left In: 27.895+/-81.204 χ^2/NDF:31.0/21

+ sign 125.226+/-47.393 χ^2/NDF: 36.5/39

All: 27.212+/-33.431 χ^2/NDF: 99.3/80

- sign -69.864+/-47.166 χ^2/NDF: 54.3/40

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 342.061+/-0.056 χ^2/NDF:549854.6/23

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

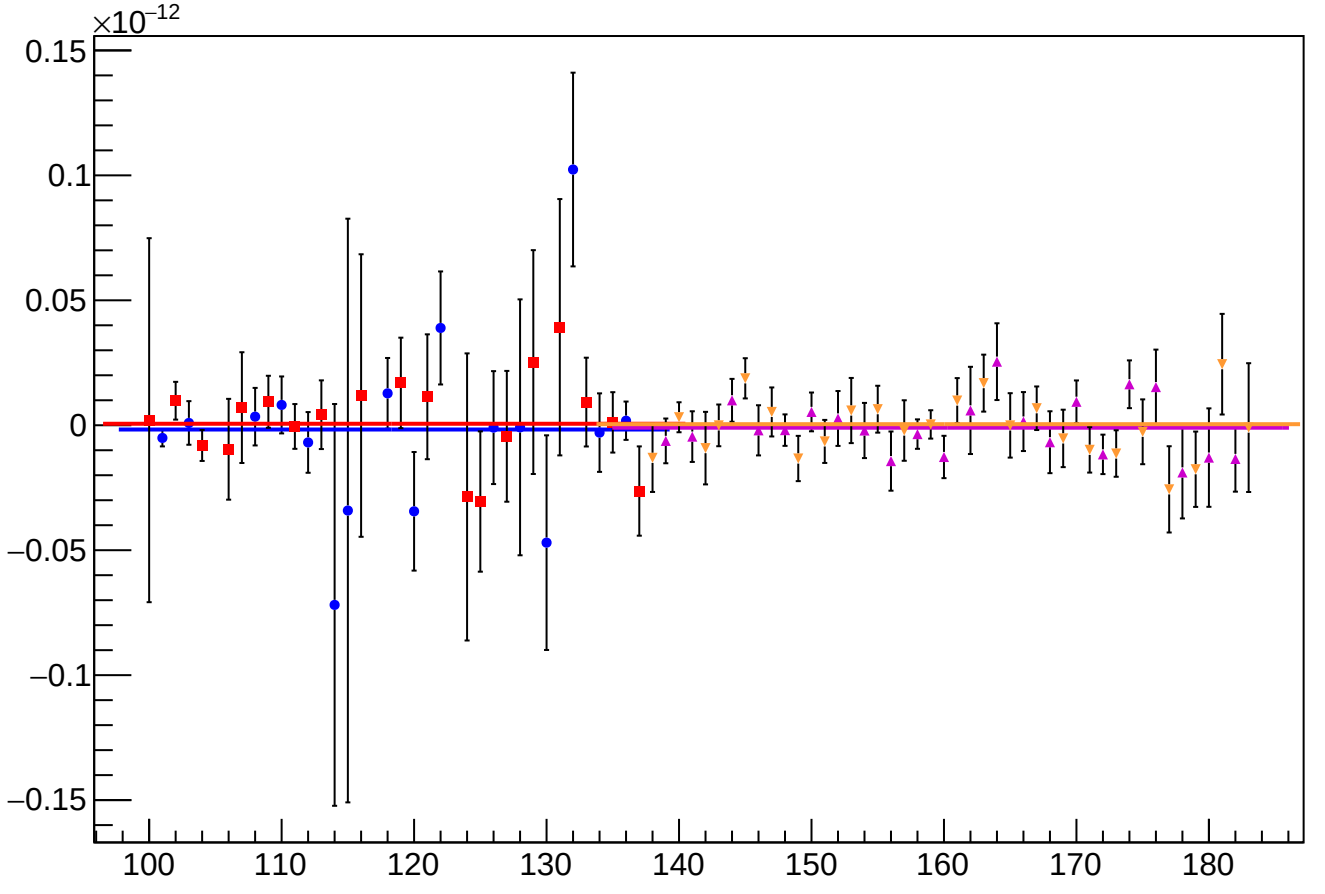
Left In: 341.278+/-0.057 χ^2/NDF:474708.7/21

+ sign 203.544+/-0.034 χ^2/NDF: 15315322.0/39

All: 202.376+/-0.024 χ^2/NDF: 29418703.5/80

- sign 201.220+/-0.033 χ^2/NDF: 14100966.3/40

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/23

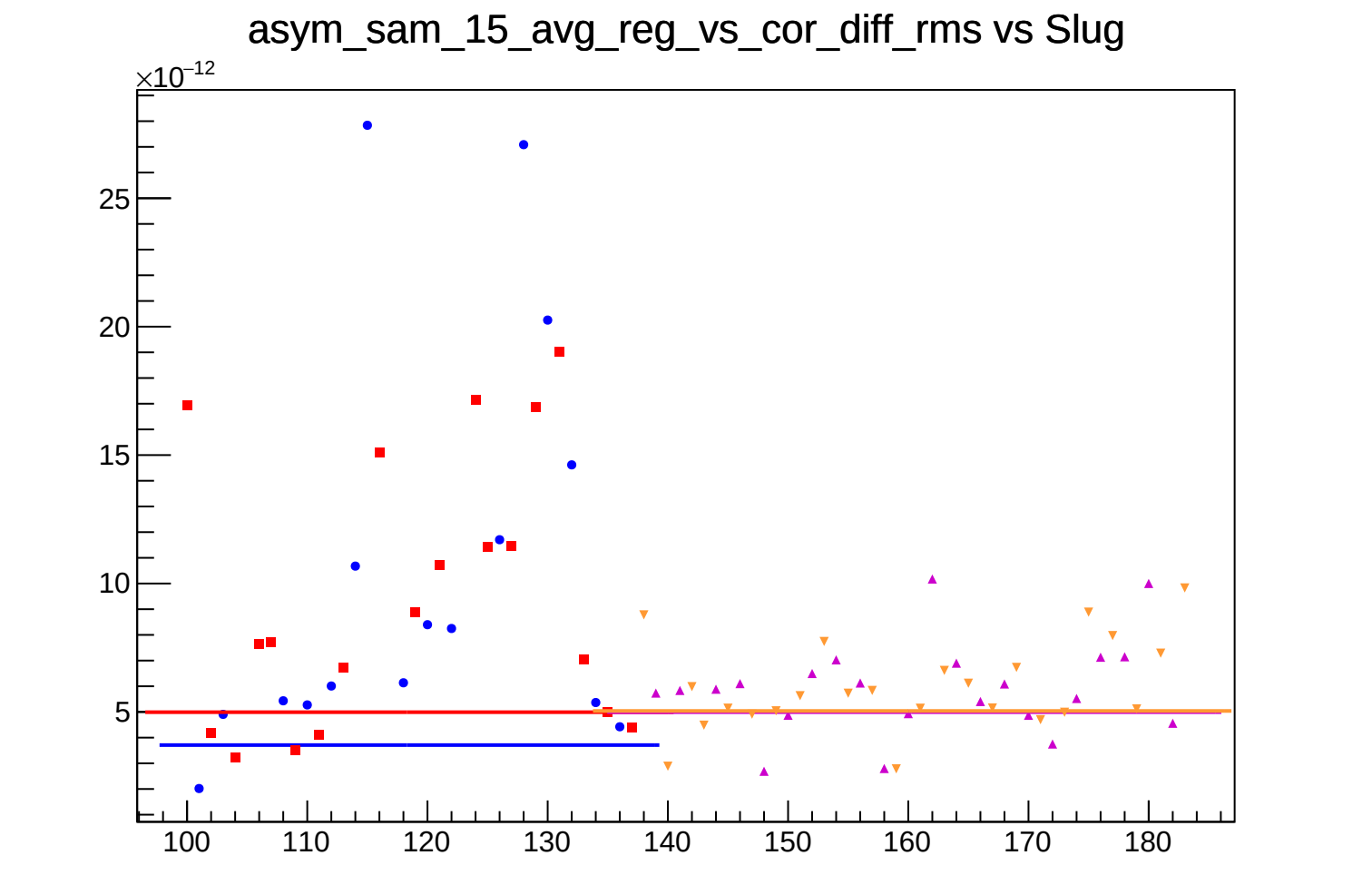
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/21

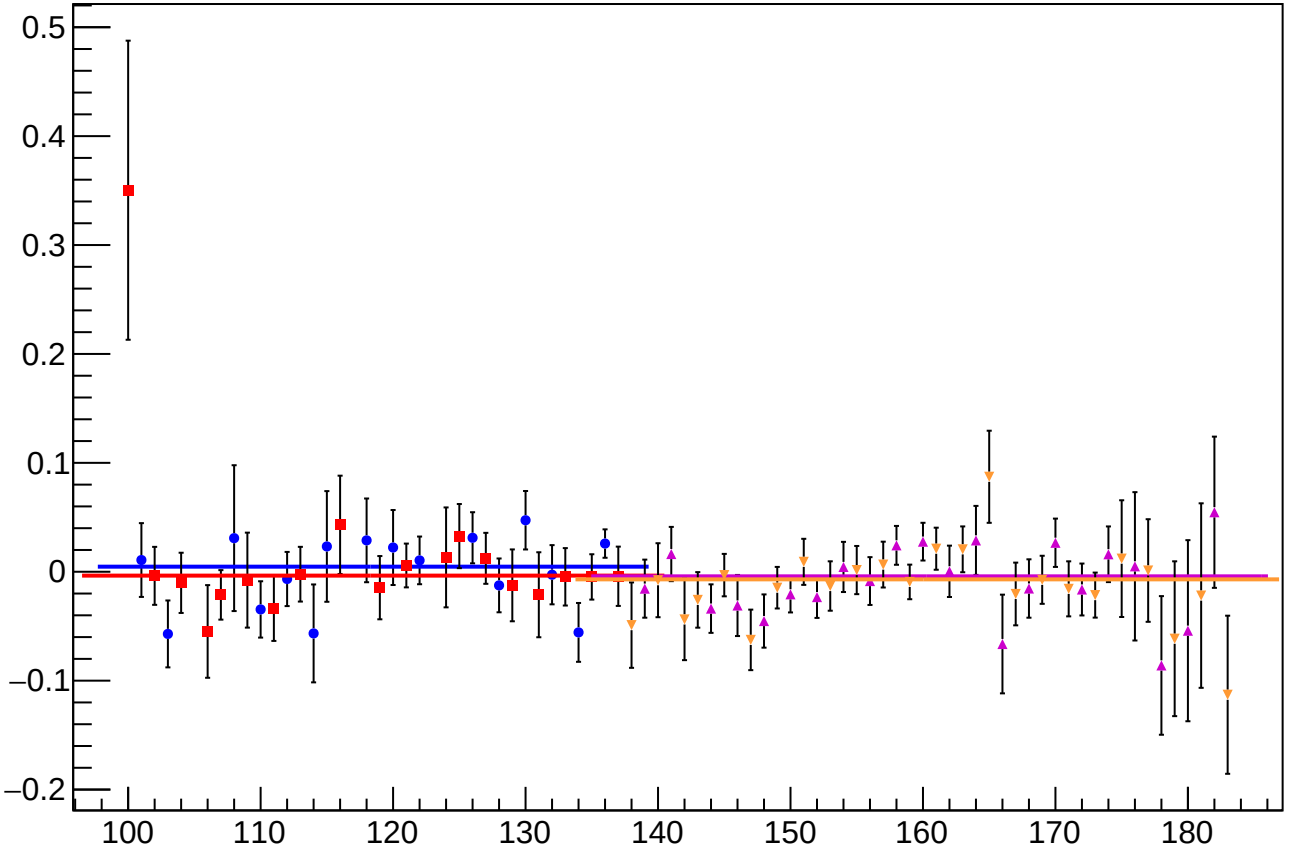
+ sign -0.000+/-0.000 χ^2/NDF: 40.9/39

All: -0.000+/-0.000 χ^2/NDF: 71.3/80

- sign -0.000+/-0.000 χ^2/NDF: 30.4/40


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1282711.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1224016.5/21
+ sign 0.000+/-0.000 χ²/NDF: 3793034.8/39
All: 0.000+/-0.000 χ²/NDF: 6391385.4/80
- sign 0.000+/-0.000 χ²/NDF: 2519391.1/40

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:20.6/23

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

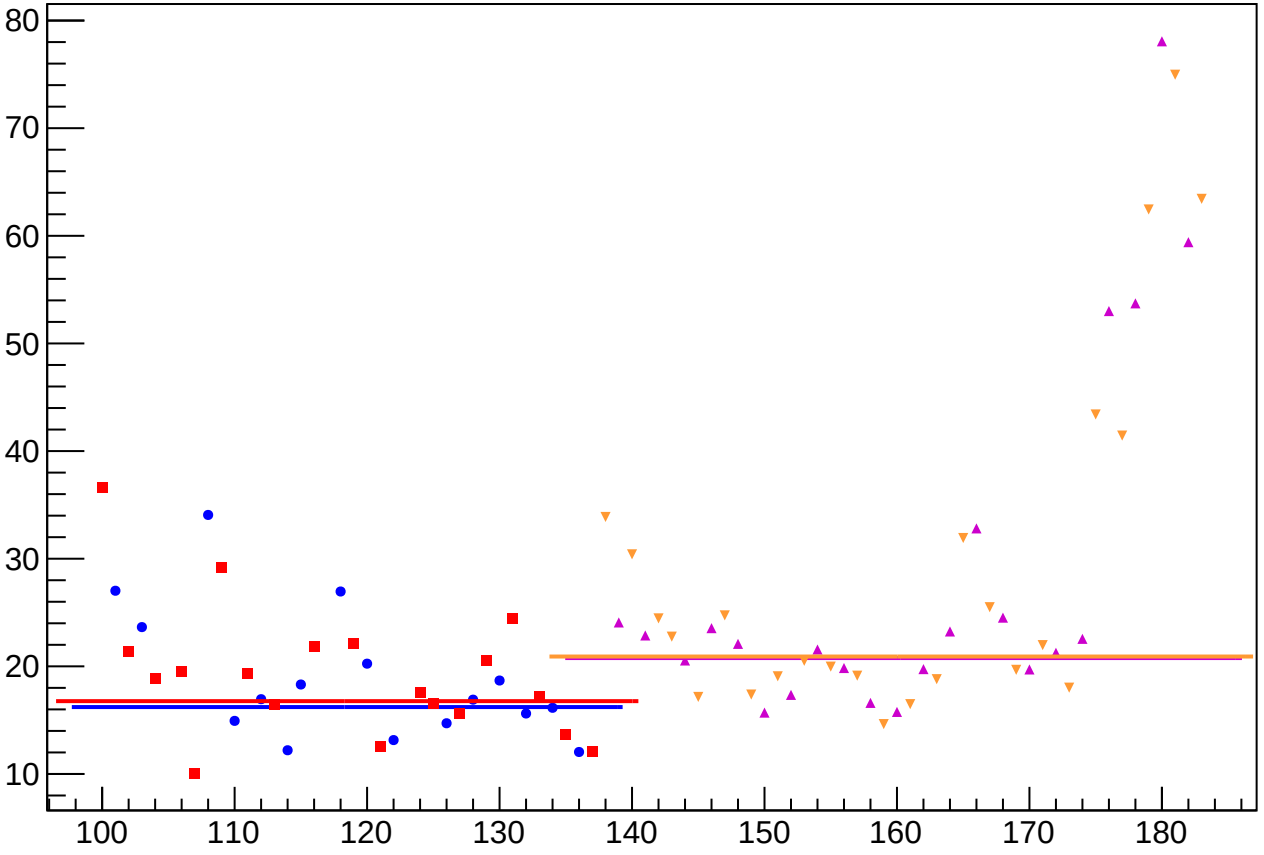
Left In: -0.004+/-0.005 χ^2/NDF:23.2/21

+ sign -0.002+/-0.004 χ^2/NDF: 44.0/39

All: -0.003+/-0.003 χ^2/NDF: 80.9/80

- sign -0.004+/-0.004 χ^2/NDF: 36.8/40

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.912+/-0.004 χ^2/NDF:4206180.2/23

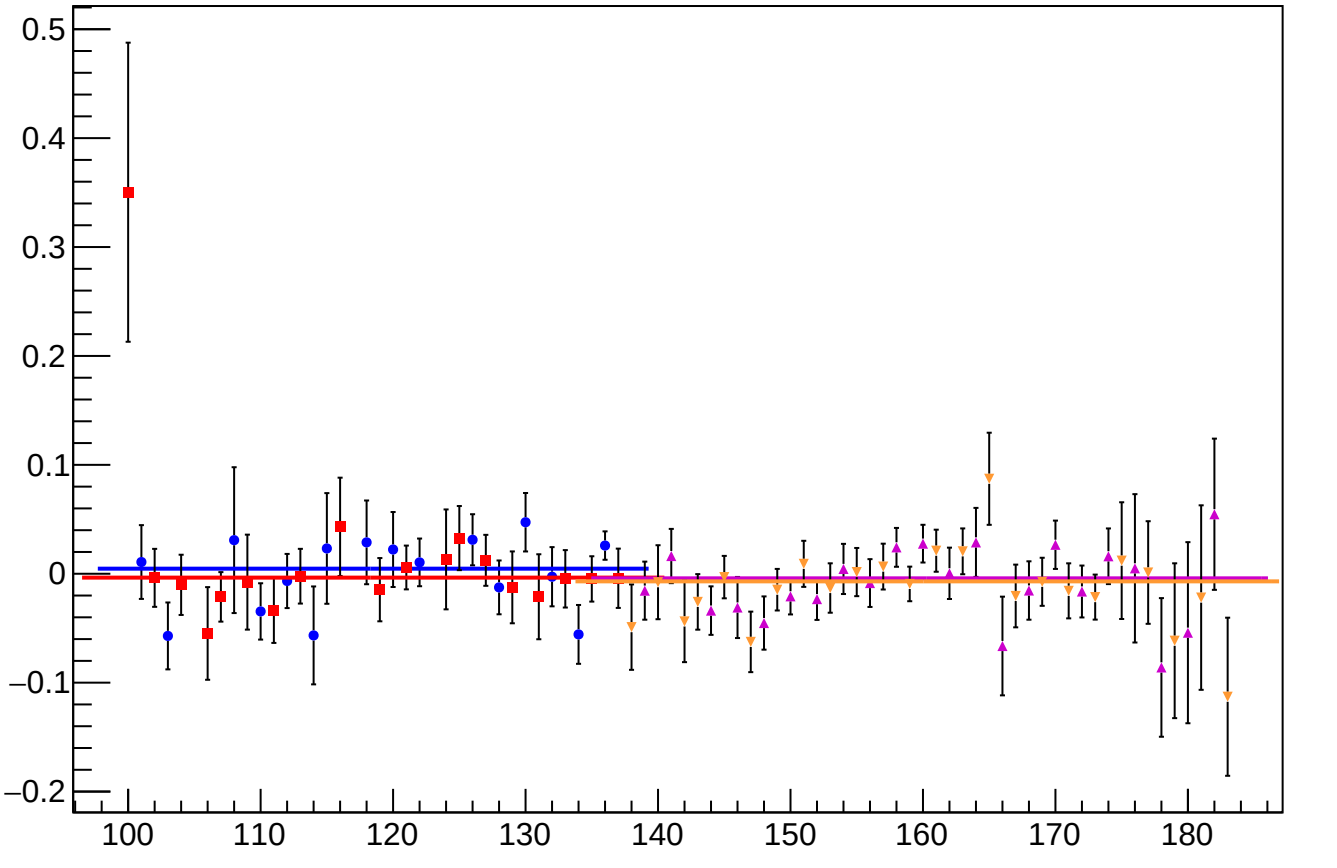
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.770+/-0.004 χ^2/NDF:3367625.6/21

+ sign 19.099+/-0.003 χ^2/NDF: 5777996.2/39

All: 19.152+/-0.002 χ^2/NDF: 10458180.3/80

- sign 19.207+/-0.003 χ^2/NDF: 4679486.4/40



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:20.6/23

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

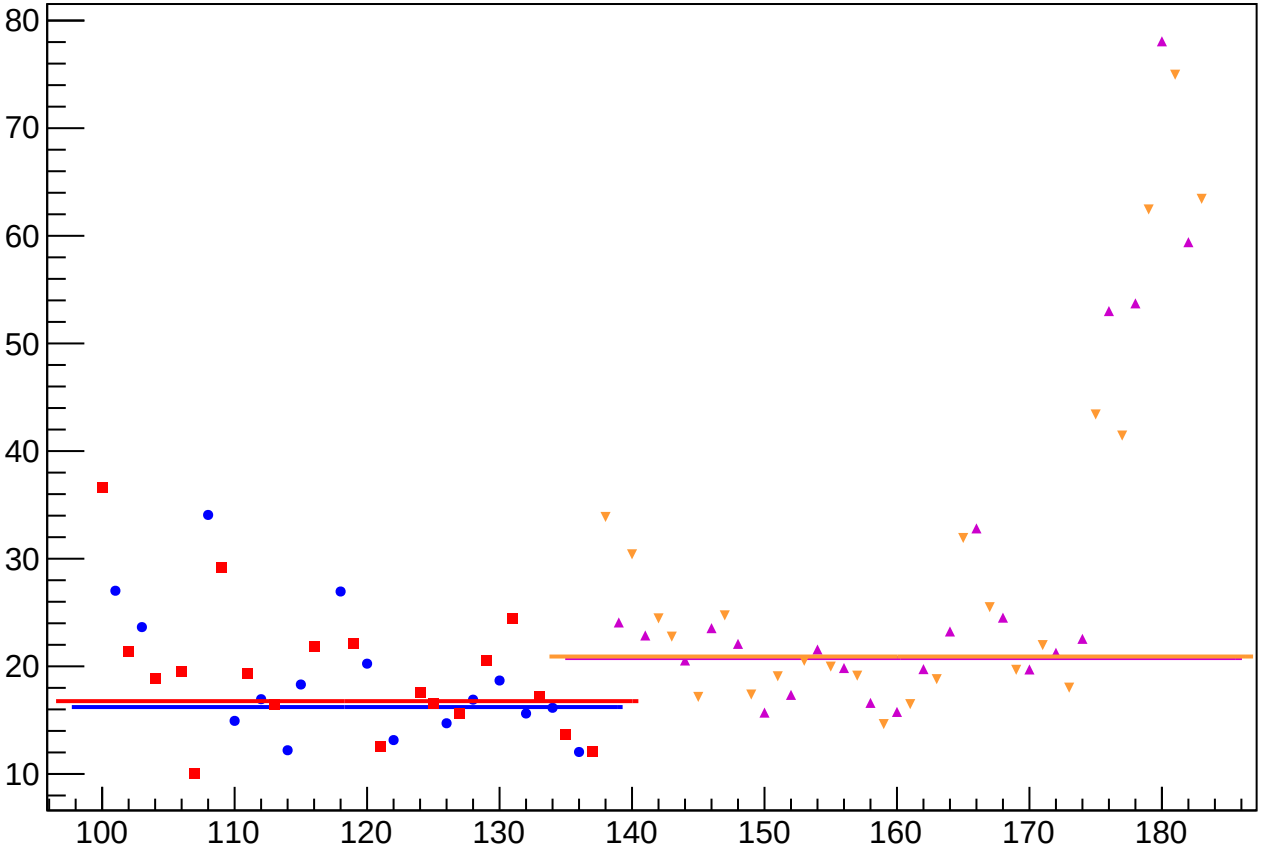
Left In: -0.004+/-0.005 χ^2/NDF:23.2/21

+ sign -0.002+/-0.004 χ^2/NDF: 44.0/39

All: -0.003+/-0.003 χ^2/NDF: 80.9/80

- sign -0.004+/-0.004 χ^2/NDF: 36.8/40

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.912+/-0.004 χ^2/NDF:4206180.2/23

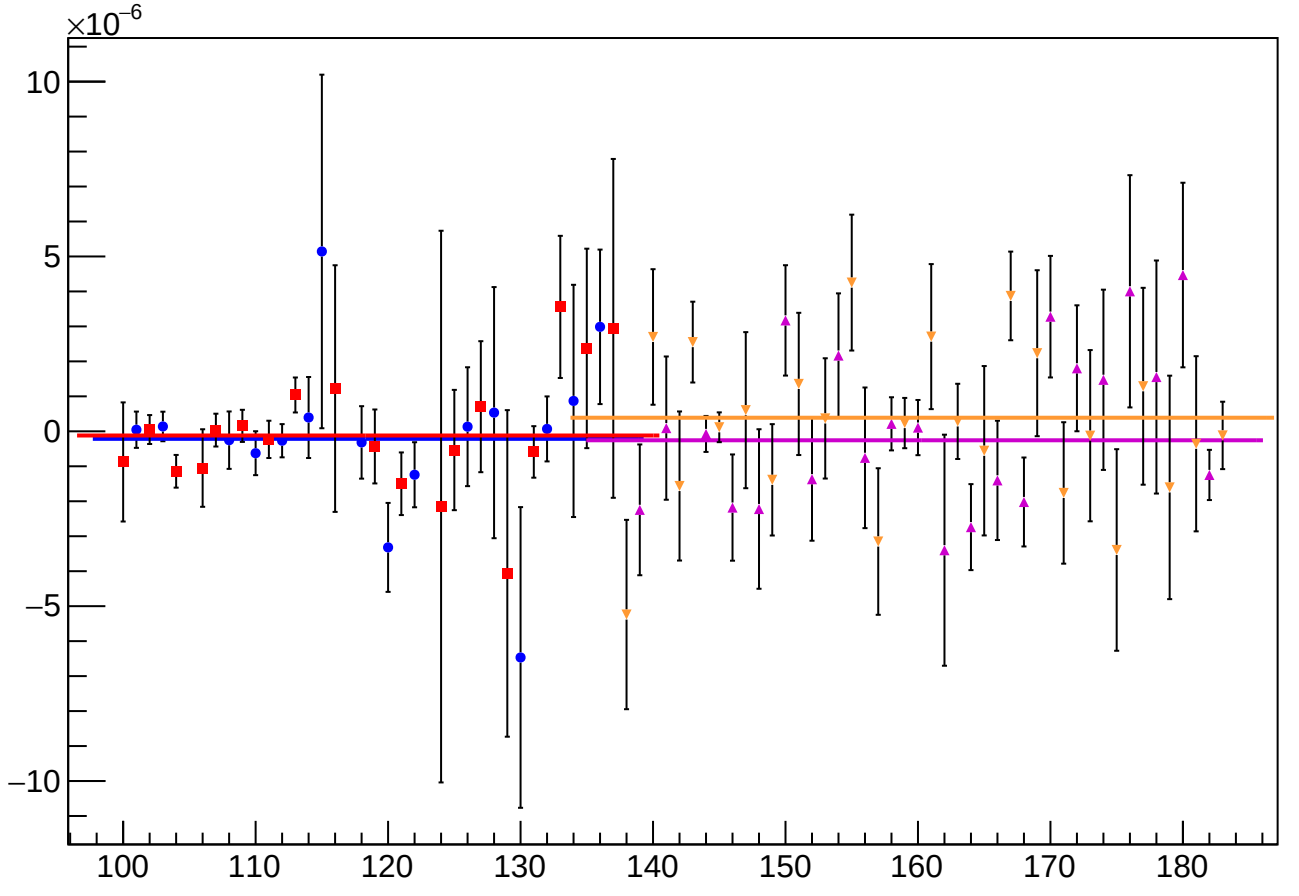
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.770+/-0.004 χ^2/NDF:3367625.6/21

+ sign 19.099+/-0.003 χ^2/NDF: 5777996.2/39

All: 19.152+/-0.002 χ^2/NDF: 10458180.3/80

- sign 19.207+/-0.003 χ^2/NDF: 4679486.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/23

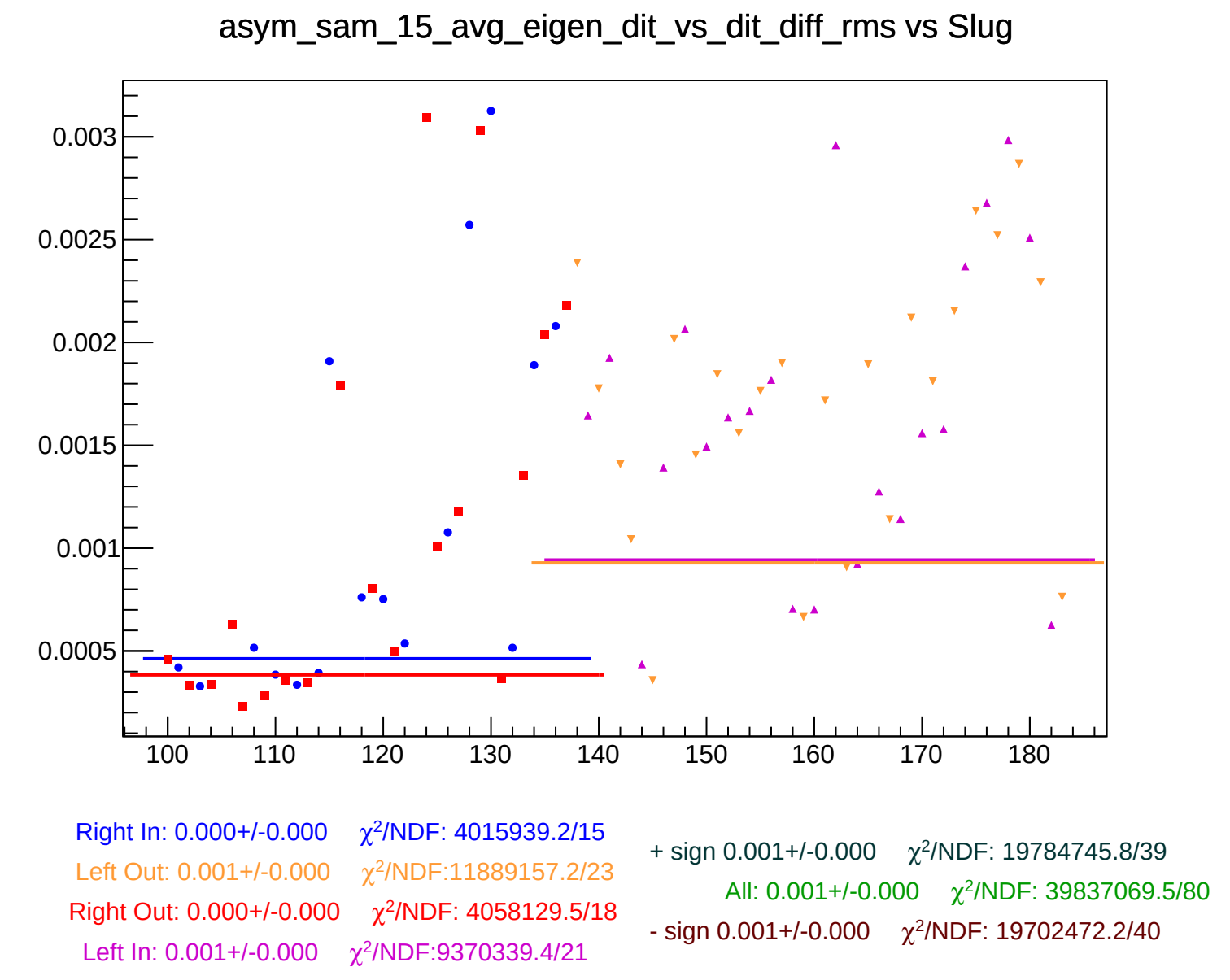
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:31.6/21

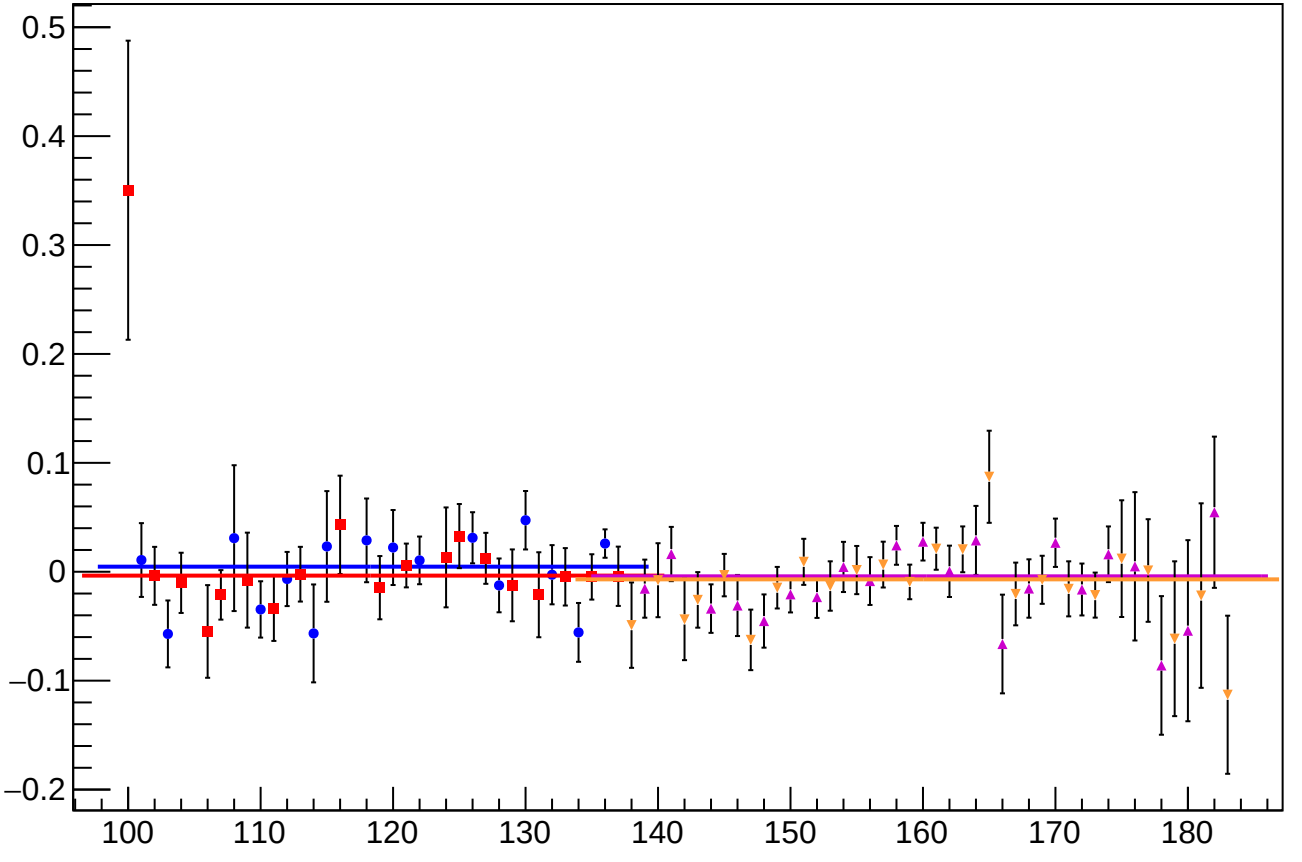
+ sign 0.000+/-0.000 χ^2/NDF: 49.9/39

All: -0.000+/-0.000 χ^2/NDF: 102.5/80

- sign -0.000+/-0.000 χ^2/NDF: 52.0/40


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:11889157.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:9370339.4/21
+ sign 0.001+/-0.000 χ²/NDF: 19784745.8/39
All: 0.001+/-0.000 χ²/NDF: 39837069.5/80
- sign 0.001+/-0.000 χ²/NDF: 19702472.2/40

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:20.6/23

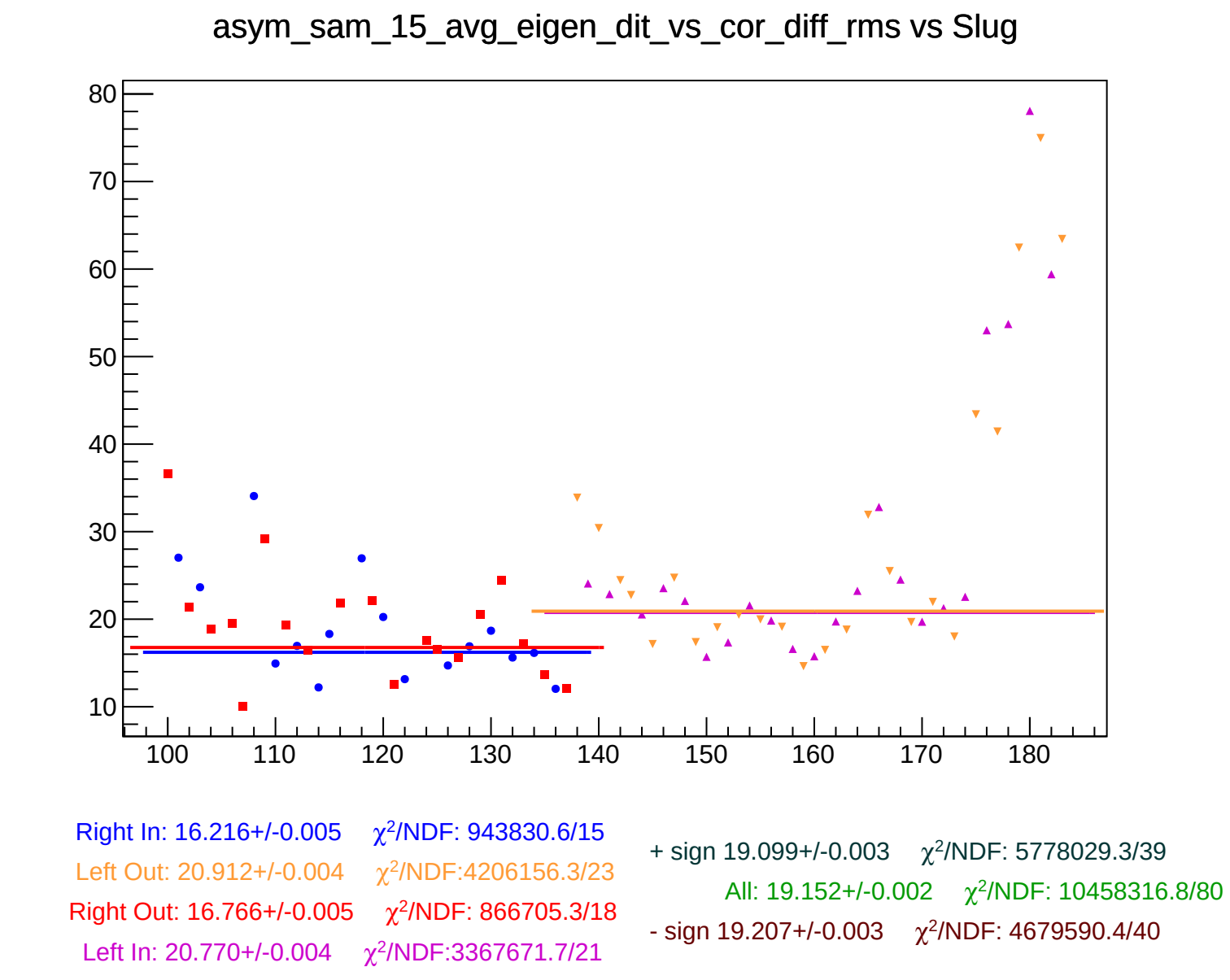
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

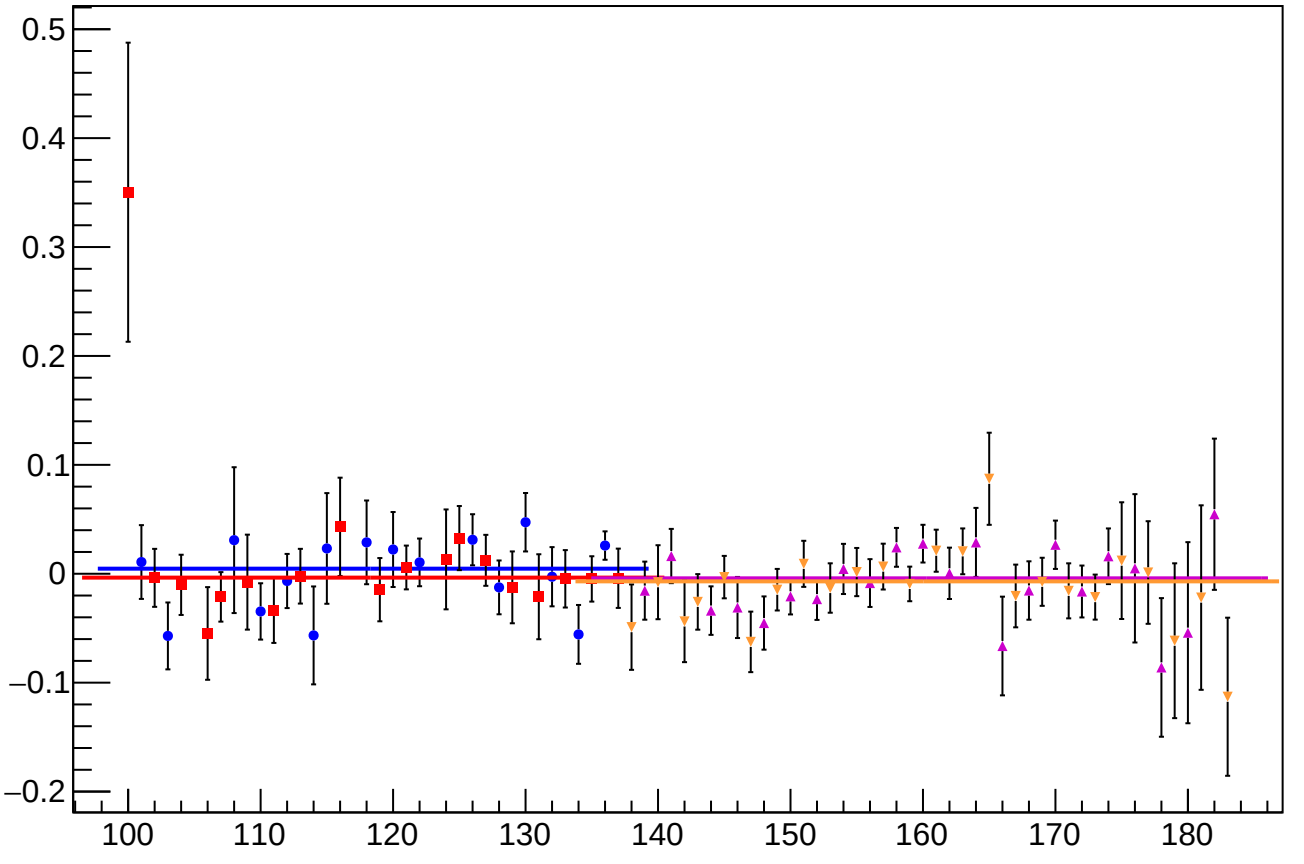
Left In: -0.004+/-0.005 χ^2/NDF:23.2/21

+ sign -0.002+/-0.004 χ^2/NDF: 44.0/39

All: -0.003+/-0.003 χ^2/NDF: 80.9/80

- sign -0.004+/-0.004 χ^2/NDF: 36.8/40


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 20.912+/-0.004 χ²/NDF:4206156.3/23
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 20.770+/-0.004 χ²/NDF:3367671.7/21
+ sign 19.099+/-0.003 χ²/NDF: 5778029.3/39
All: 19.152+/-0.002 χ²/NDF: 10458316.8/80
- sign 19.207+/-0.003 χ²/NDF: 4679590.4/40



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:20.6/23

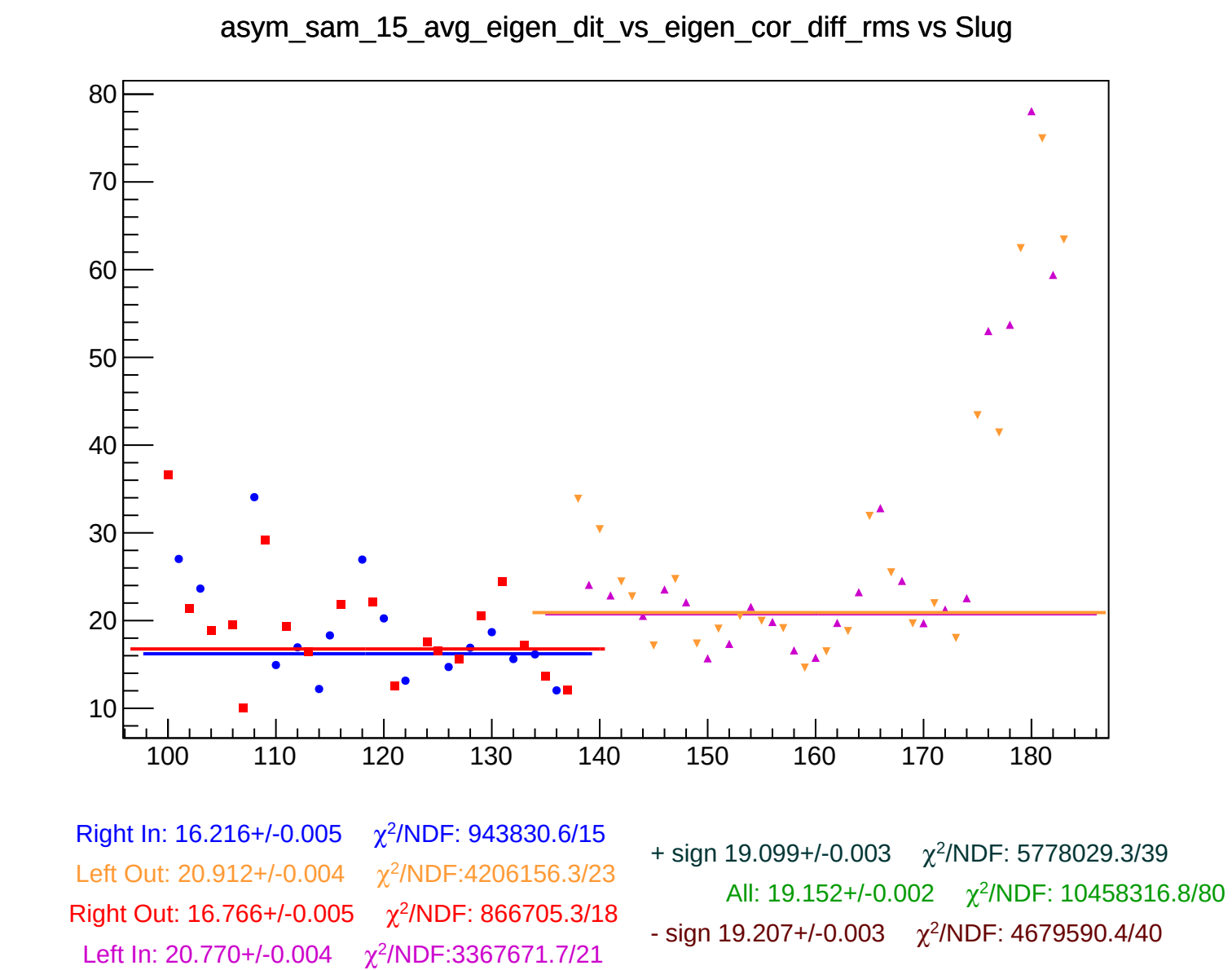
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

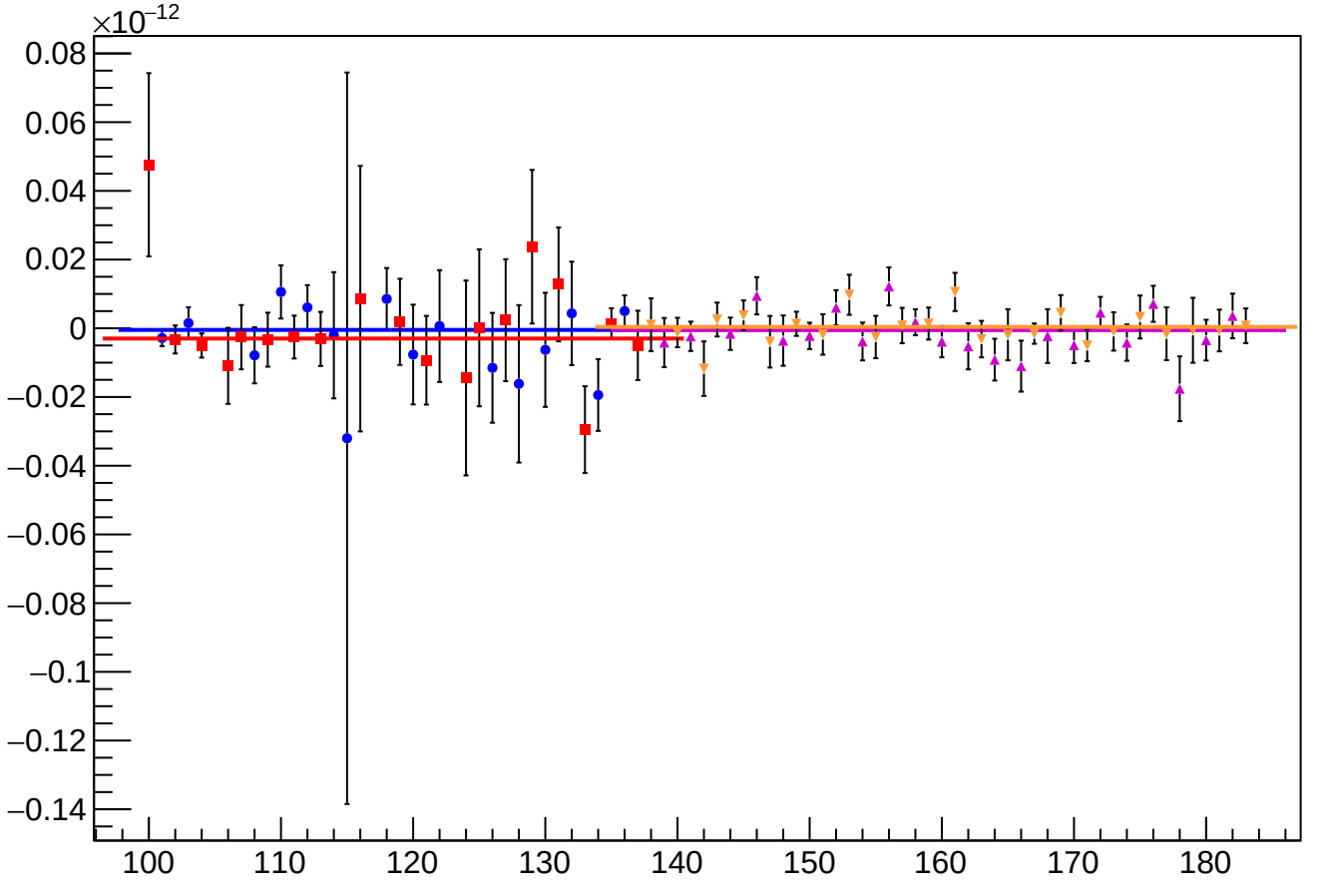
Left In: -0.004+/-0.005 χ^2/NDF:23.2/21

+ sign -0.002+/-0.004 χ^2/NDF: 44.0/39

All: -0.003+/-0.003 χ^2/NDF: 80.9/80

- sign -0.004+/-0.004 χ^2/NDF: 36.8/40


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 20.912+/-0.004 χ²/NDF:4206156.3/23
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 20.770+/-0.004 χ²/NDF:3367671.7/21
+ sign 19.099+/-0.003 χ²/NDF: 5778029.3/39
All: 19.152+/-0.002 χ²/NDF: 10458316.8/80
- sign 19.207+/-0.003 χ²/NDF: 4679590.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/23

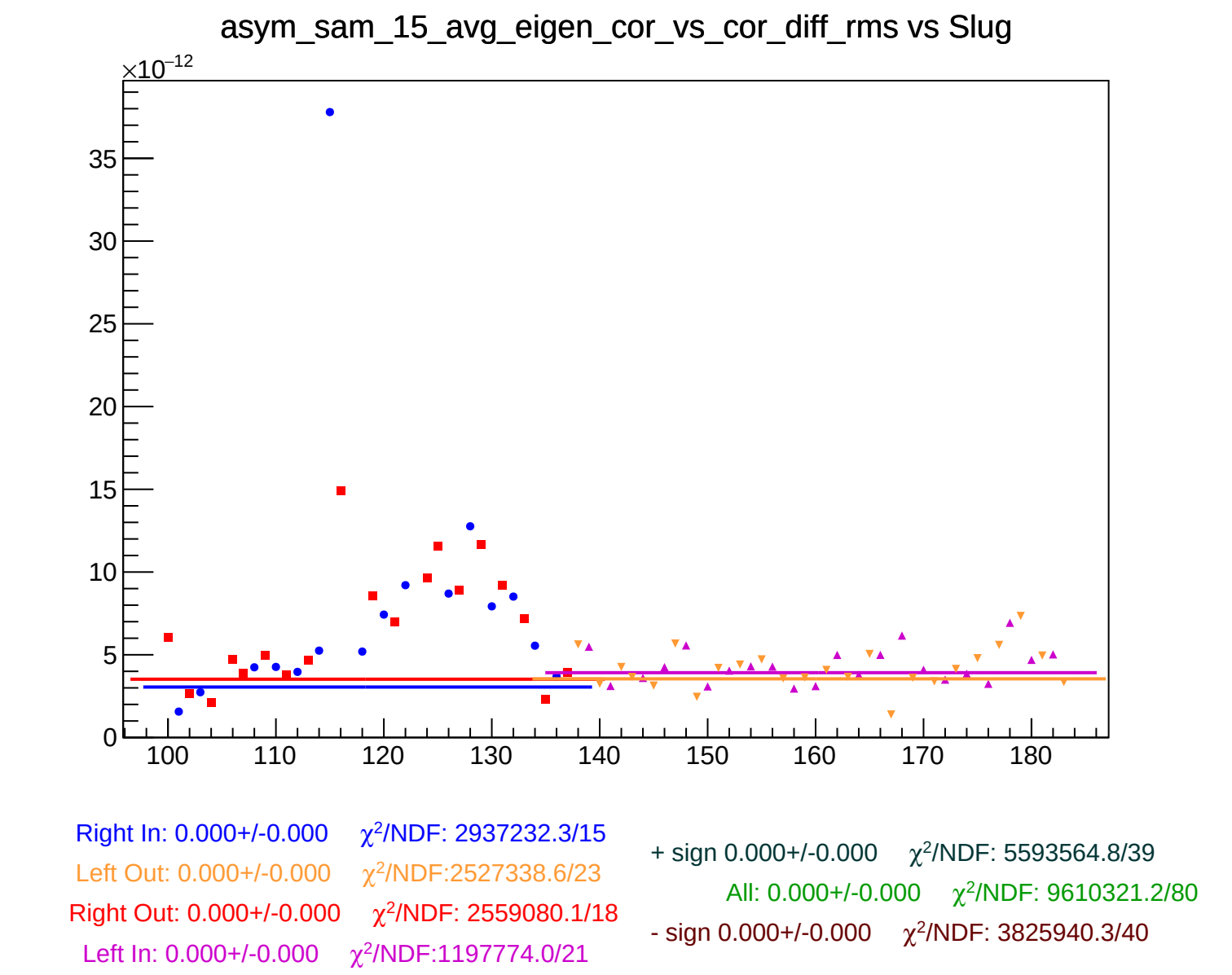
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:25.4/21

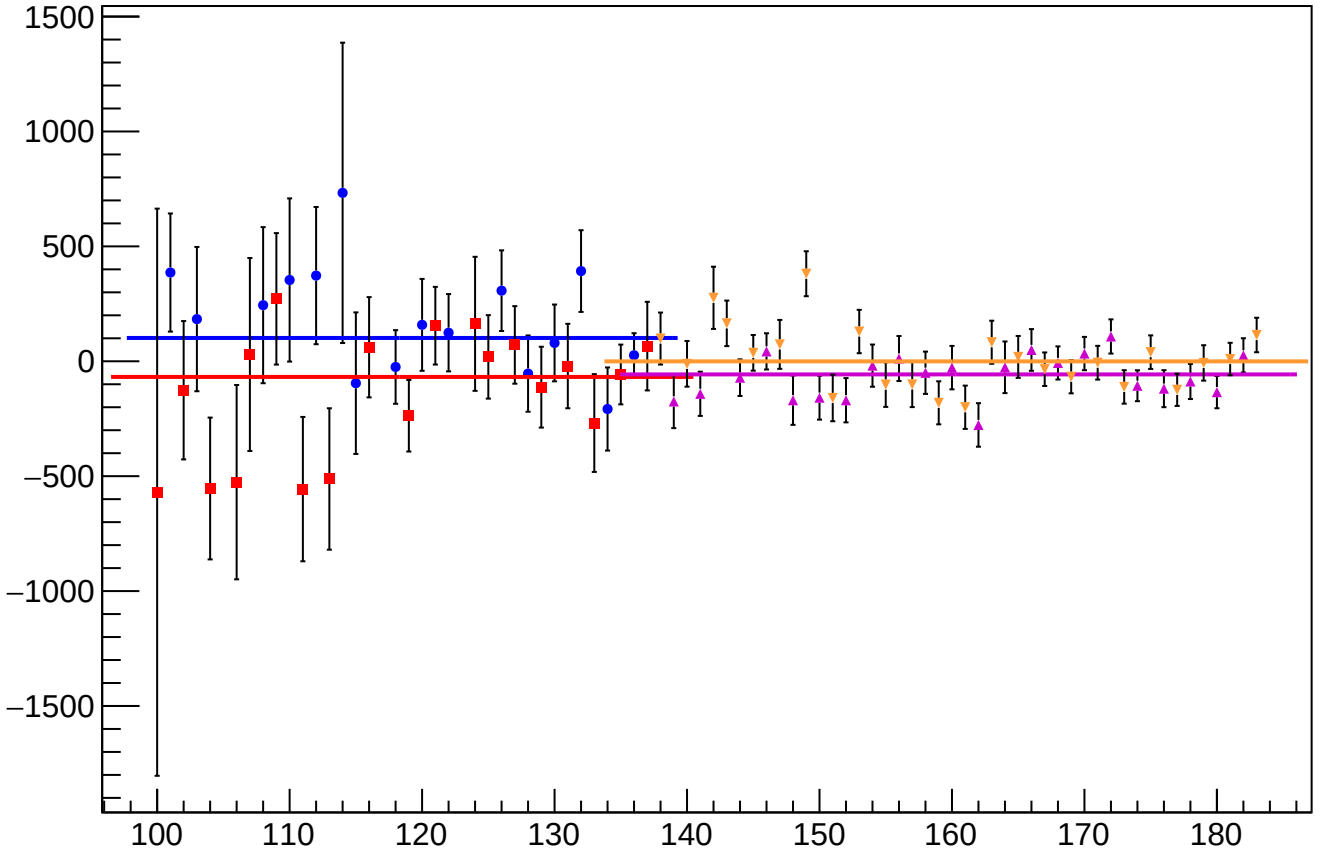
+ sign 0.000+/-0.000 χ^2/NDF: 25.9/39

All: -0.000+/-0.000 χ^2/NDF: 66.8/80

- sign -0.000+/-0.000 χ^2/NDF: 39.8/40


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2527338.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:1197774.0/21
+ sign 0.000+/-0.000 χ²/NDF: 5593564.8/39
All: 0.000+/-0.000 χ²/NDF: 9610321.2/80
- sign 0.000+/-0.000 χ²/NDF: 3825940.3/40

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -0.423+/-17.492 χ^2/NDF:48.4/23

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

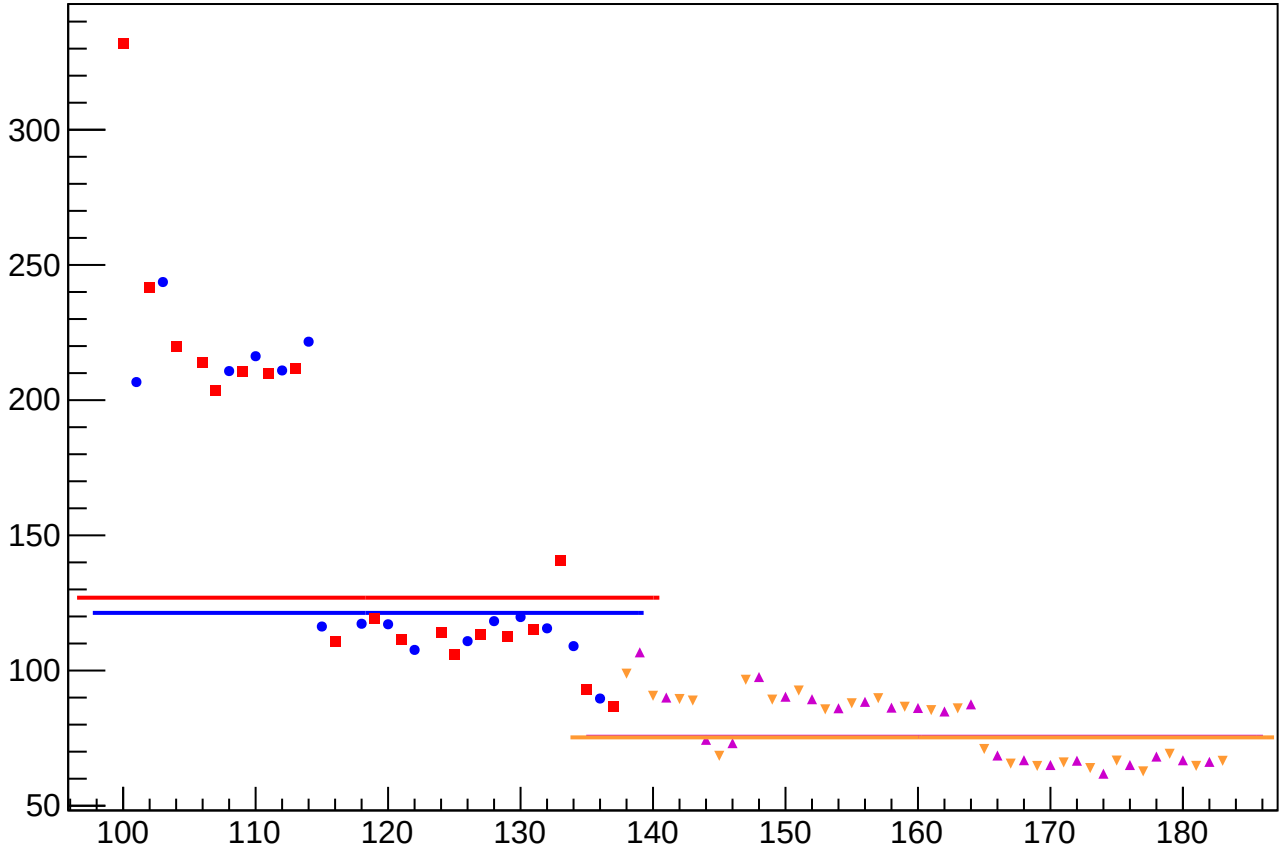
Left In: -57.109+/-18.067 χ^2/NDF:25.3/21

+ sign 11.685+/-16.420 χ^2/NDF: 65.8/39

All: -22.219+/-11.799 χ^2/NDF: 116.1/80

- sign -58.410+/-16.965 χ^2/NDF: 41.5/40

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 75.285+/-0.012 χ^2/NDF:908285.2/23

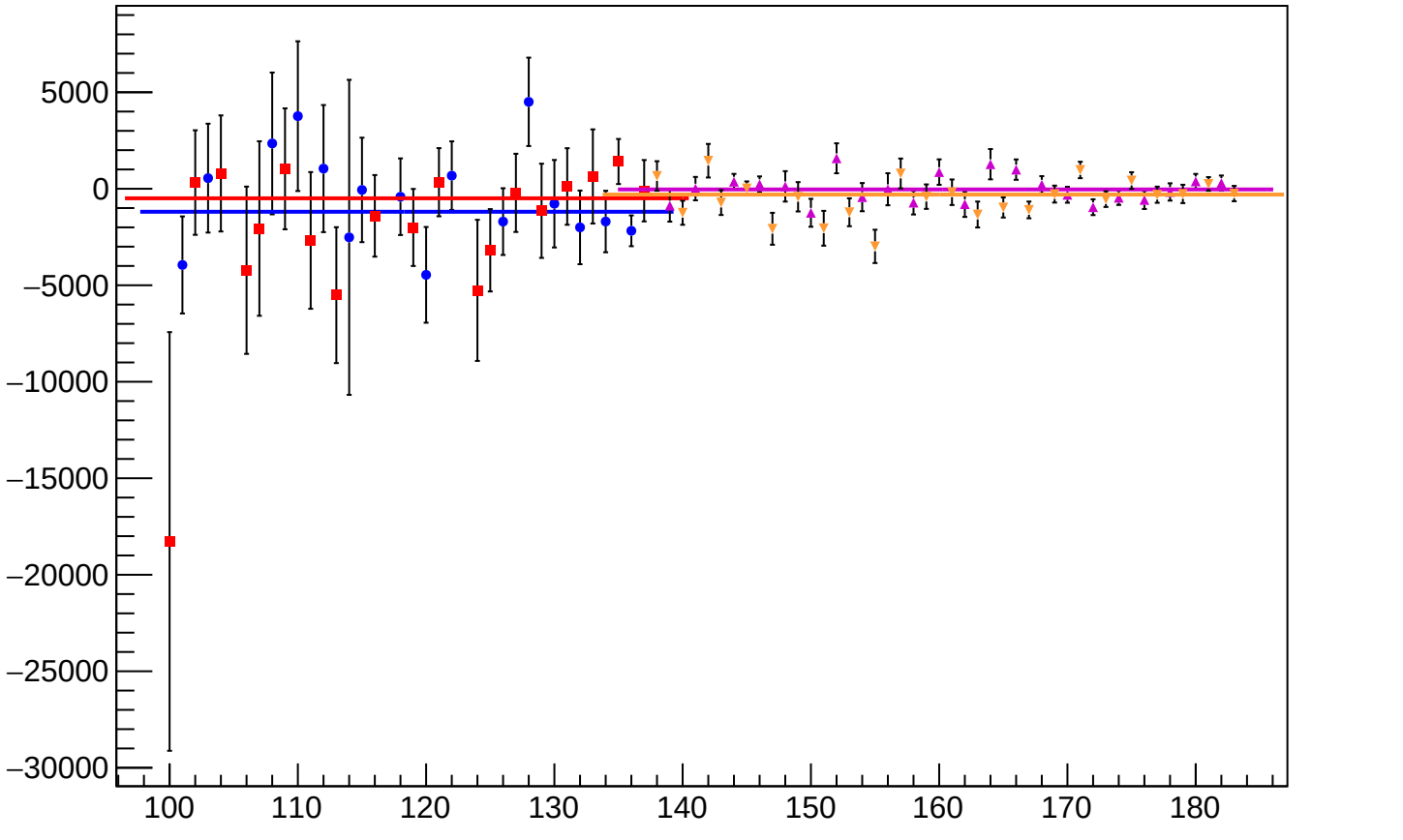
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 75.517+/-0.013 χ^2/NDF:829588.4/21

+ sign 80.757+/-0.012 χ^2/NDF: 3841504.7/39

All: 81.165+/-0.008 χ^2/NDF: 8062048.0/80

- sign 81.600+/-0.012 χ^2/NDF: 4217994.0/40



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -300.847+/-106.865 χ^2/NDF:52.8/23

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

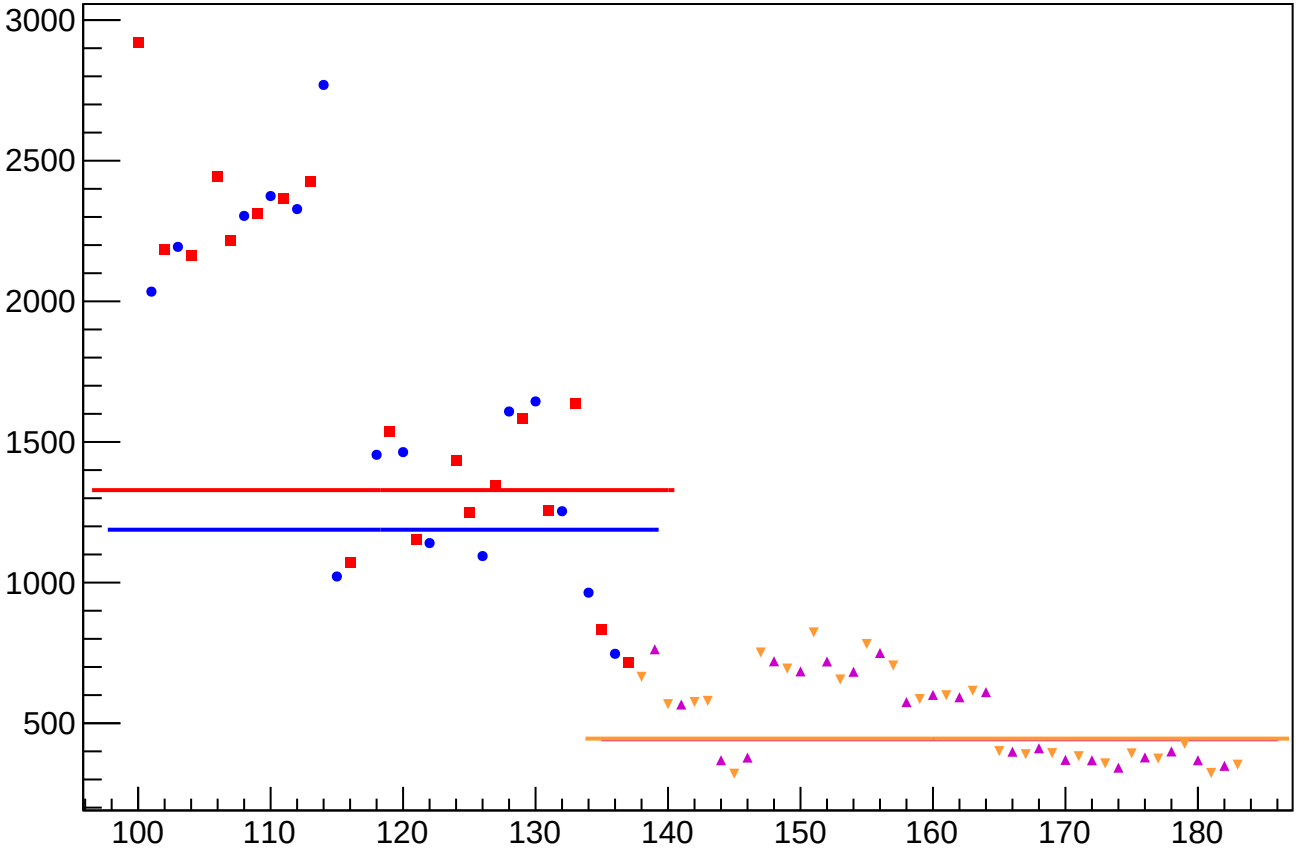
Left In: -35.808+/-109.048 χ^2/NDF:31.3/21

+ sign -343.124+/-104.300 χ^2/NDF: 72.0/39

All: -202.400+/-74.600 χ^2/NDF: 121.7/80

- sign -55.011+/-106.742 χ^2/NDF: 45.9/40

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 445.329+/-0.076 χ^2/NDF:3132822.3/23

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

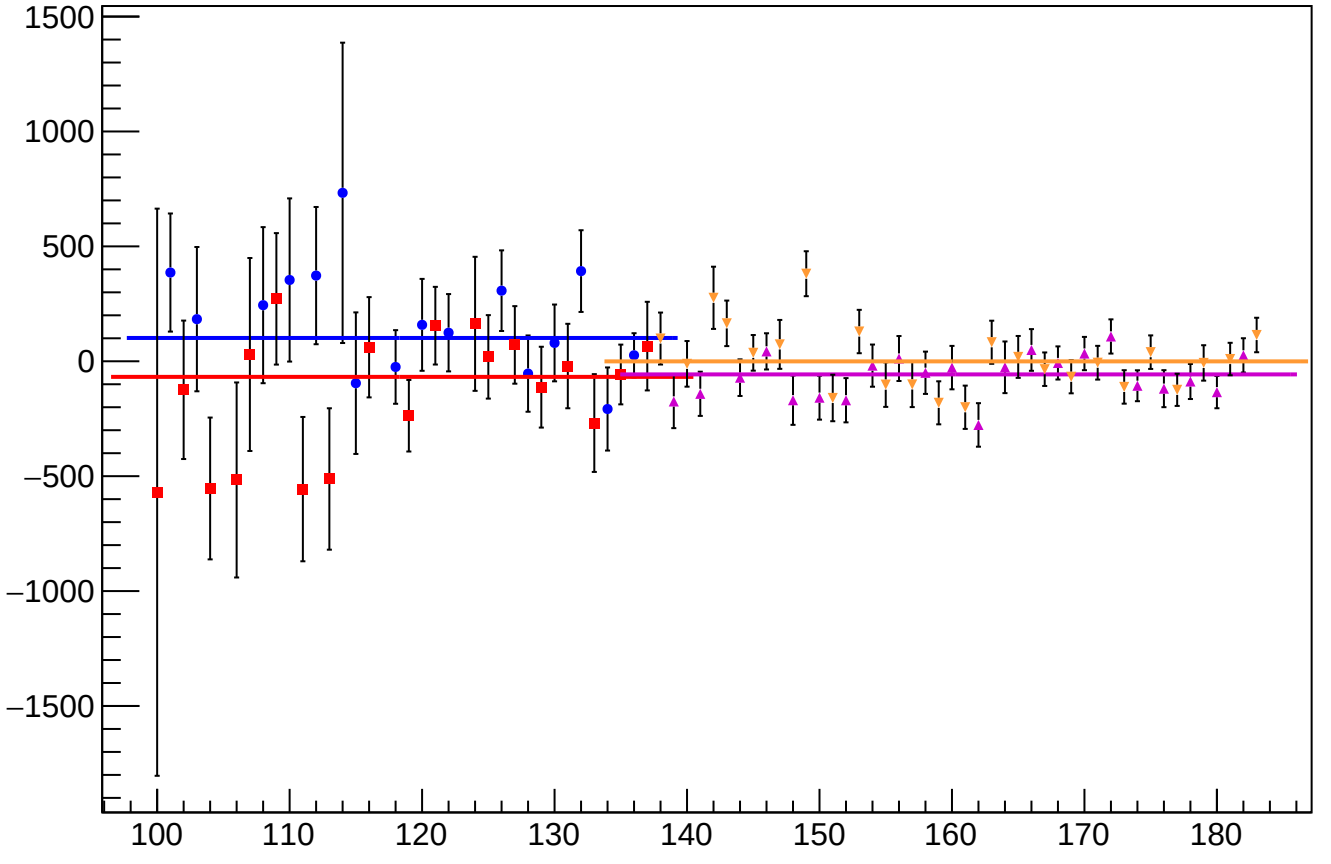
Left In: 443.032+/-0.077 χ^2/NDF:2659521.8/21

+ sign 480.558+/-0.074 χ^2/NDF: 9759893.4/39

All: 480.337+/-0.053 χ^2/NDF: 19900302.3/80

- sign 480.105+/-0.075 χ^2/NDF: 10140390.5/40

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -0.422+/-17.492 χ^2/NDF:48.4/23

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

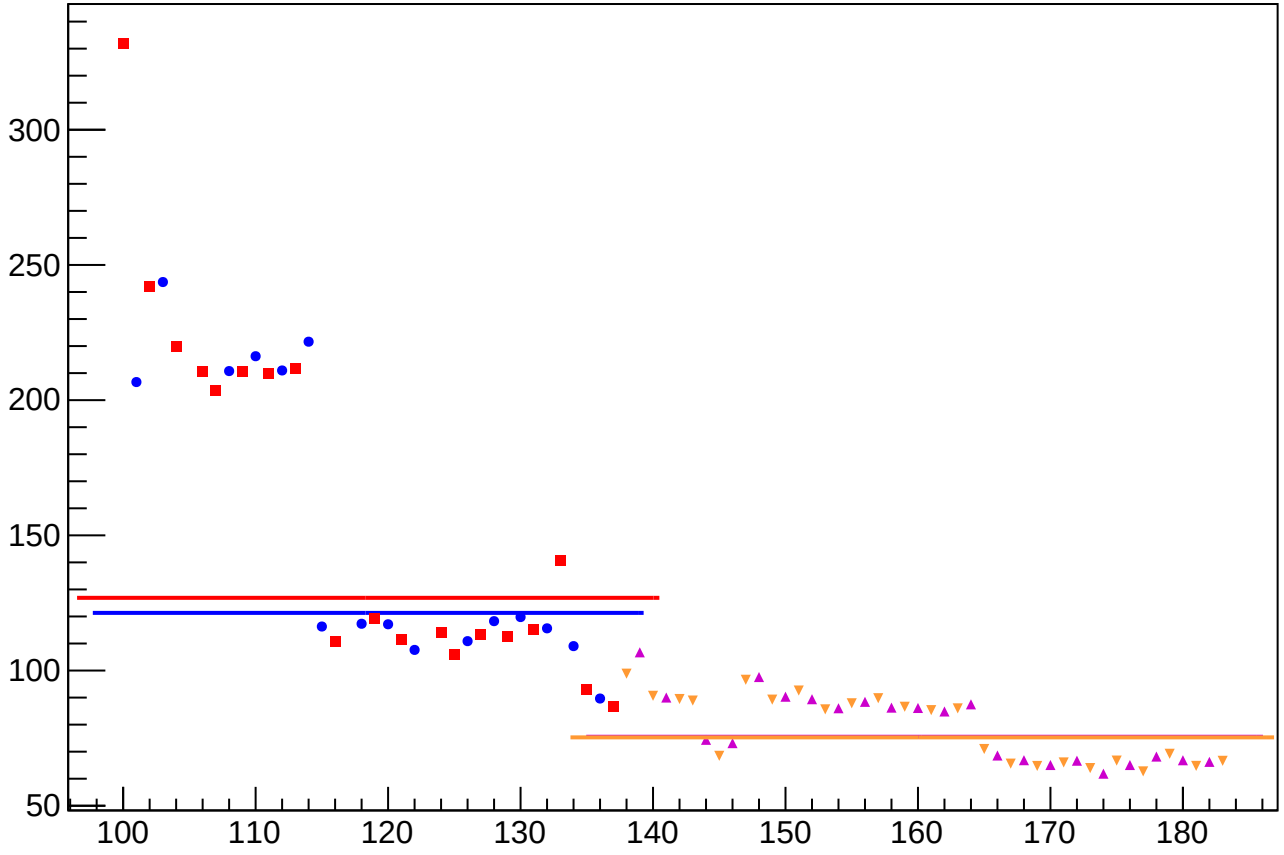
Left In: -57.108+/-18.067 χ^2/NDF:25.3/21

+ sign 11.684+/-16.420 χ^2/NDF: 65.8/39

All: -22.205+/-11.799 χ^2/NDF: 116.1/80

- sign -58.382+/-16.965 χ^2/NDF: 41.5/40

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.285+/-0.012 χ^2/NDF:908285.2/23

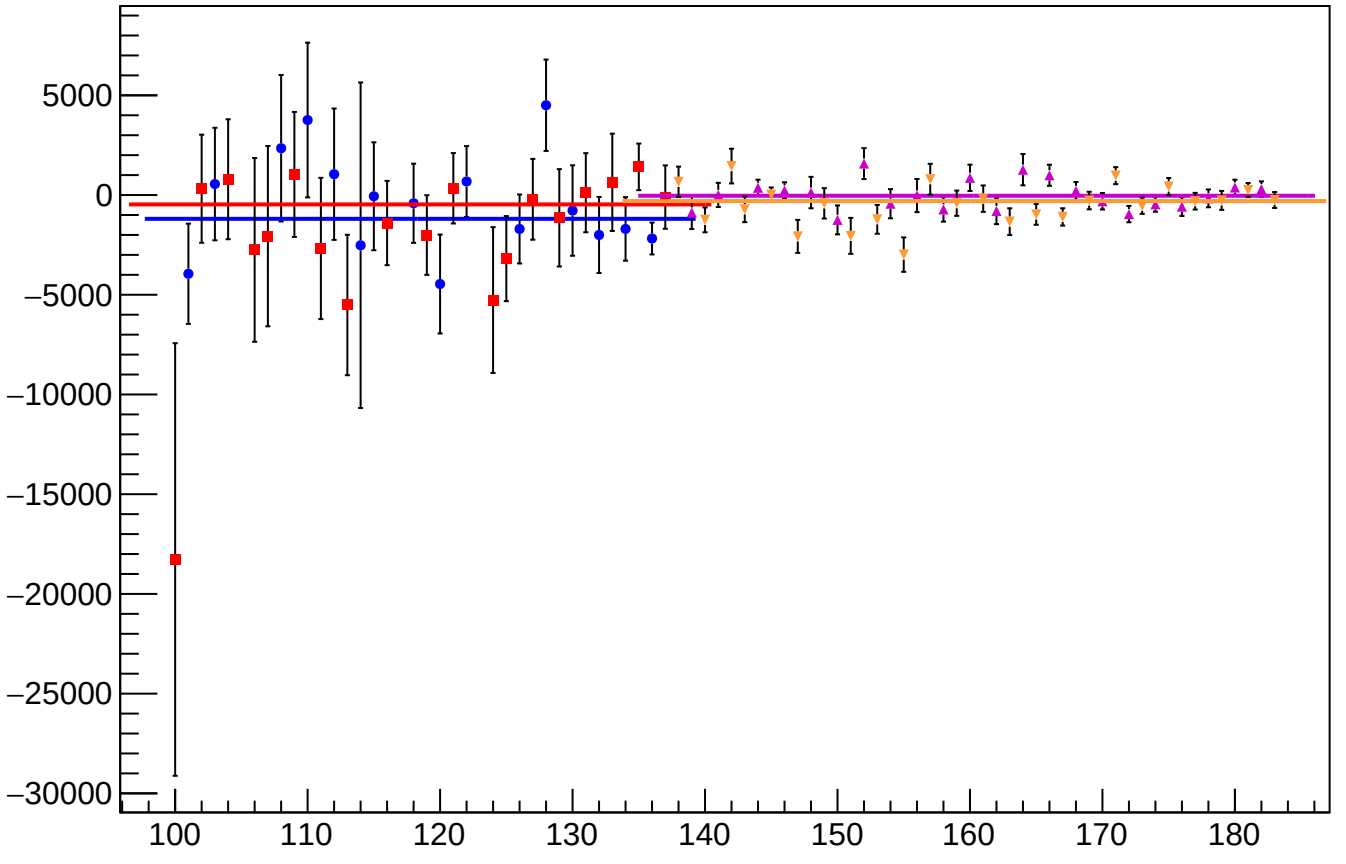
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 75.517+/-0.013 χ^2/NDF:829588.4/21

+ sign 80.757+/-0.012 χ^2/NDF: 3841506.7/39

All: 81.161+/-0.008 χ^2/NDF: 8051959.4/80

- sign 81.593+/-0.012 χ^2/NDF: 4207943.2/40



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -300.846+/-106.865 χ^2/NDF:52.8/23

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

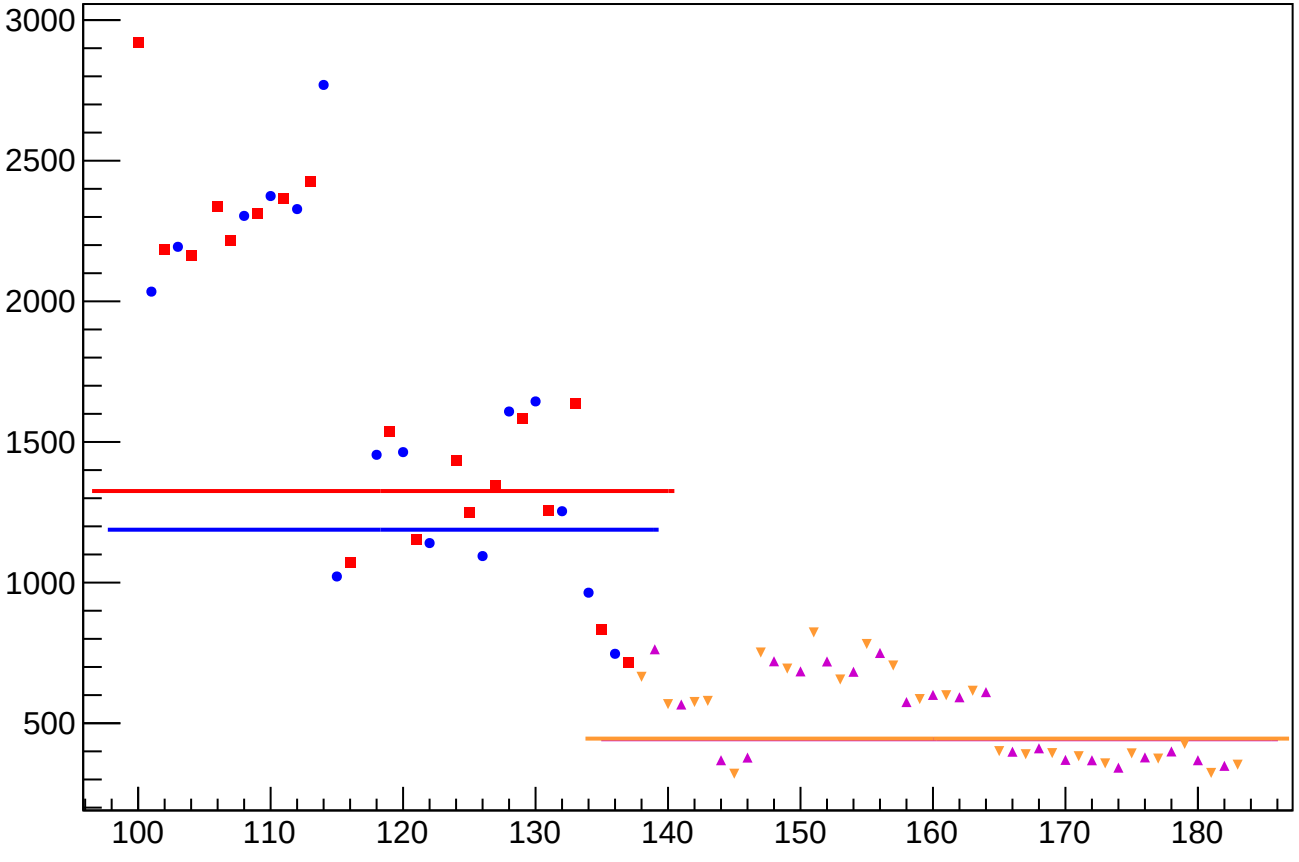
Left In: -35.809+/-109.048 χ^2/NDF:31.3/21

+ sign -343.121+/-104.300 χ^2/NDF: 72.0/39

All: -201.881+/-74.601 χ^2/NDF: 121.1/80

- sign -53.940+/-106.746 χ^2/NDF: 45.3/40

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 445.329+/-0.076 χ^2/NDF:3132820.7/23

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

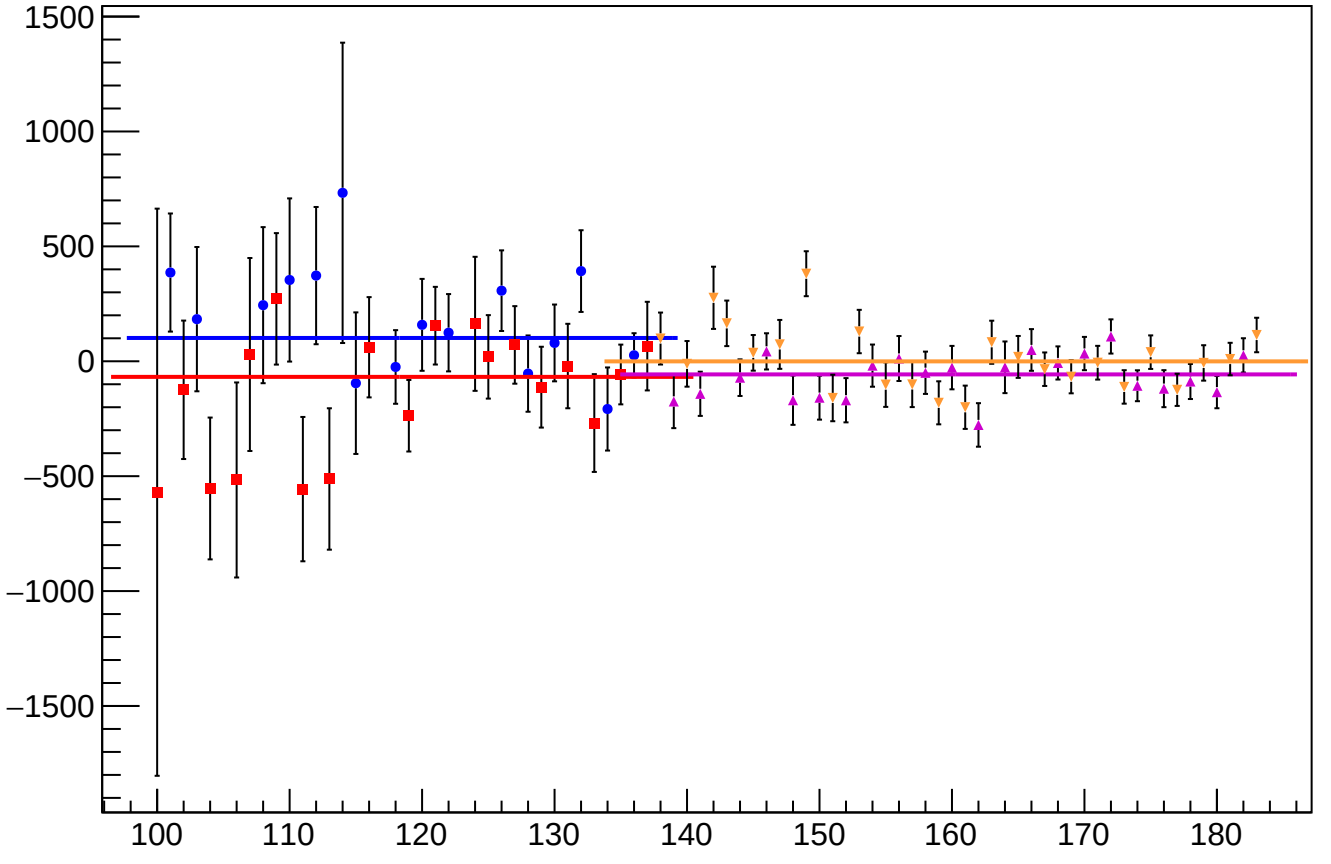
Left In: 443.032+/-0.077 χ^2/NDF:2659518.0/21

+ sign 480.558+/-0.074 χ^2/NDF: 9759908.0/39

All: 480.241+/-0.053 χ^2/NDF: 19814072.3/80

- sign 479.909+/-0.075 χ^2/NDF: 10054126.4/40

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -0.422+/-17.492 χ^2/NDF:48.4/23

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

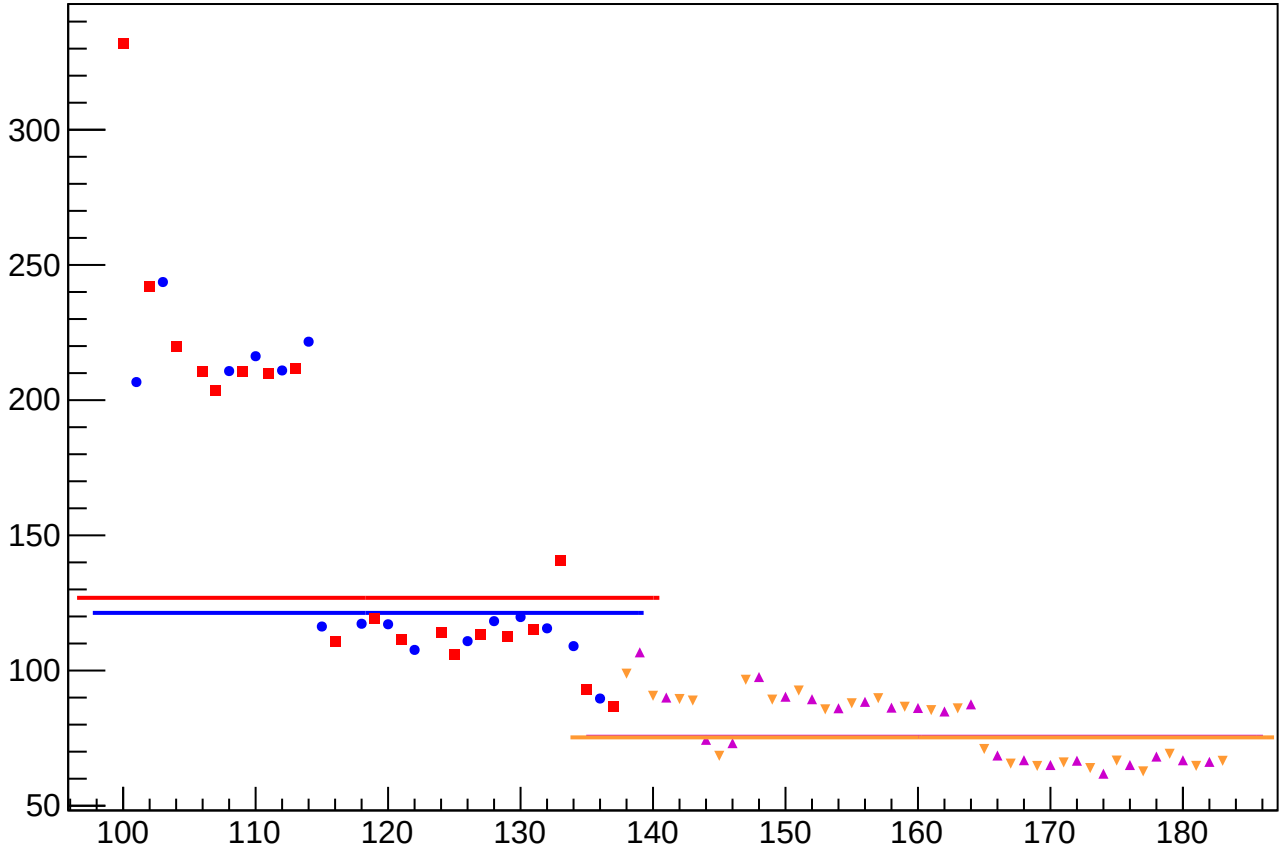
Left In: -57.108+/-18.067 χ^2/NDF:25.3/21

+ sign 11.684+/-16.420 χ^2/NDF: 65.8/39

All: -22.205+/-11.799 χ^2/NDF: 116.1/80

- sign -58.382+/-16.965 χ^2/NDF: 41.5/40

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 75.285+/-0.012 χ^2/NDF:908285.2/23

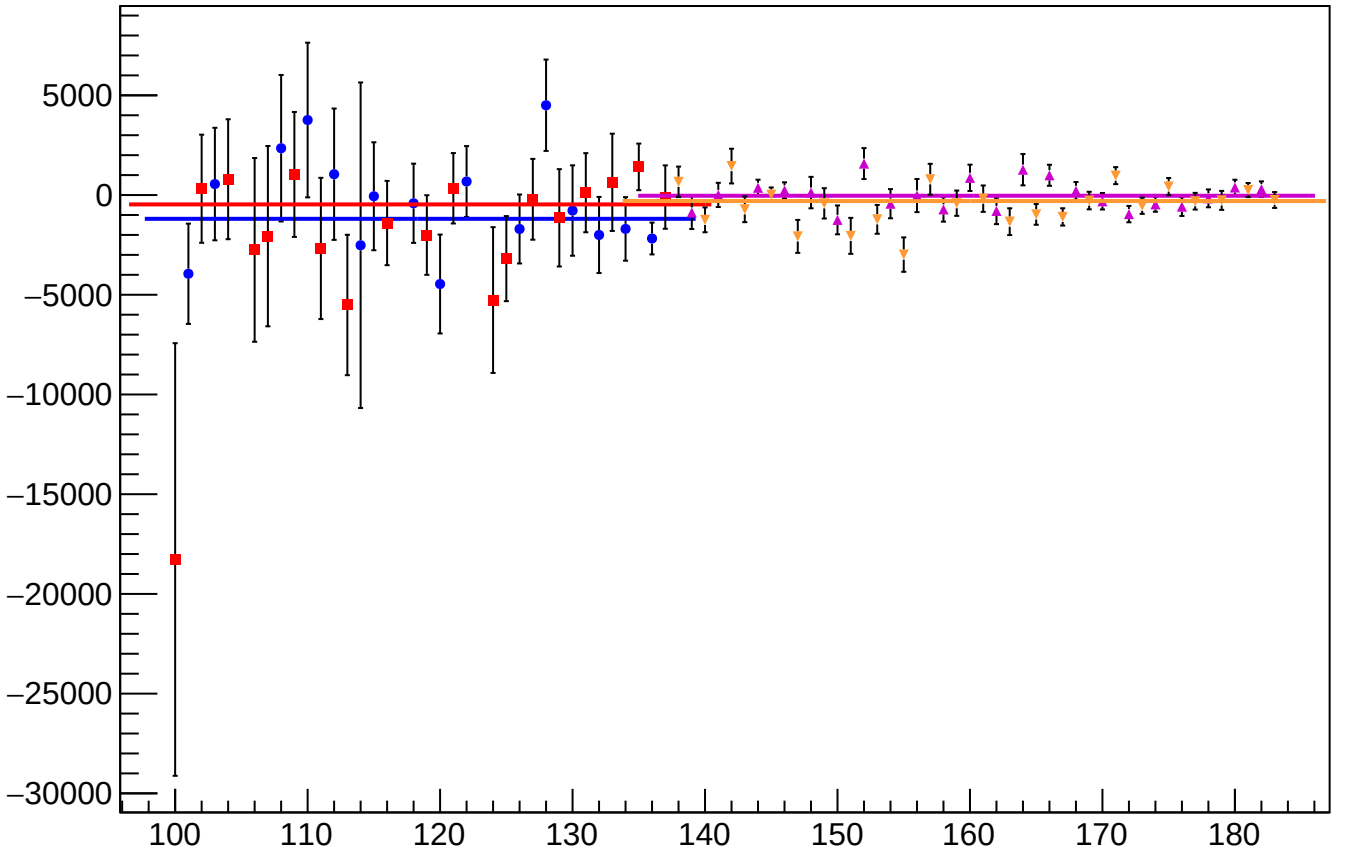
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 75.517+/-0.013 χ^2/NDF:829588.4/21

+ sign 80.757+/-0.012 χ^2/NDF: 3841506.7/39

All: 81.161+/-0.008 χ^2/NDF: 8051959.4/80

- sign 81.593+/-0.012 χ^2/NDF: 4207943.2/40



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -300.846+/-106.865 χ^2/NDF:52.8/23

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

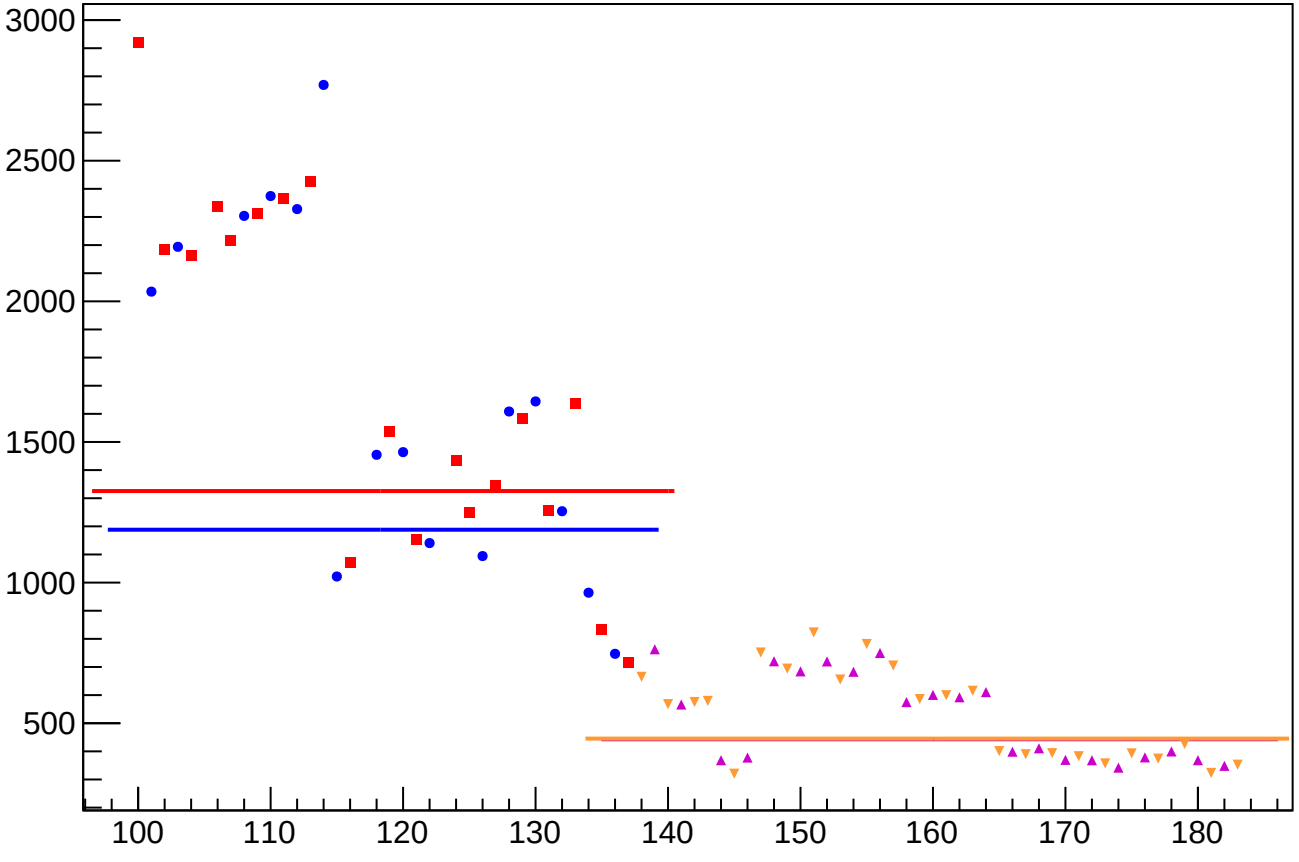
Left In: -35.809+/-109.048 χ^2/NDF:31.3/21

+ sign -343.121+/-104.300 χ^2/NDF: 72.0/39

All: -201.881+/-74.601 χ^2/NDF: 121.1/80

- sign -53.940+/-106.746 χ^2/NDF: 45.3/40

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 445.329+/-0.076 χ^2/NDF:3132820.7/23

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

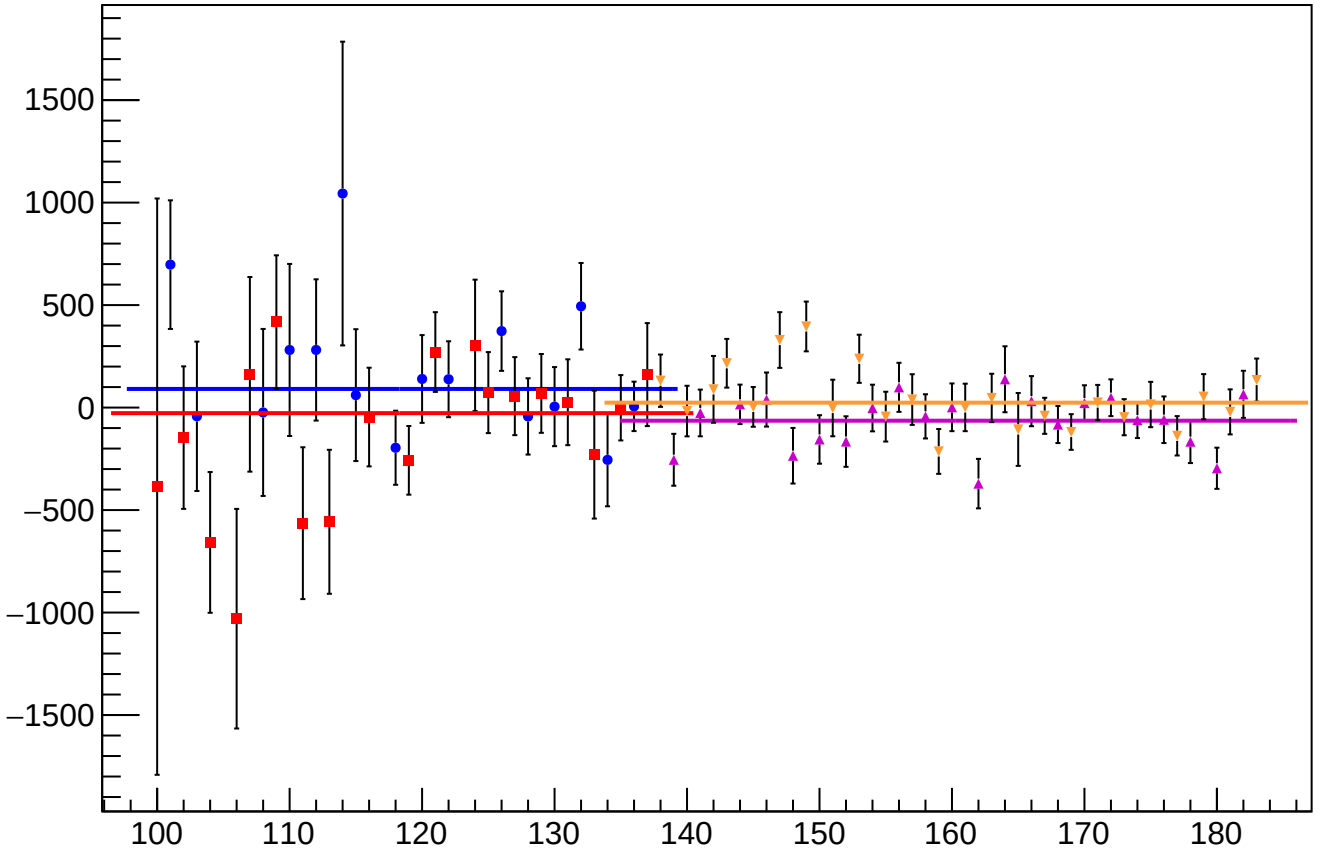
Left In: 443.032+/-0.077 χ^2/NDF:2659518.0/21

+ sign 480.558+/-0.074 χ^2/NDF: 9759908.0/39

All: 480.241+/-0.053 χ^2/NDF: 19814072.3/80

- sign 479.909+/-0.075 χ^2/NDF: 10054126.4/40

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 24.015+/-22.614 χ^2/NDF:35.2/23

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

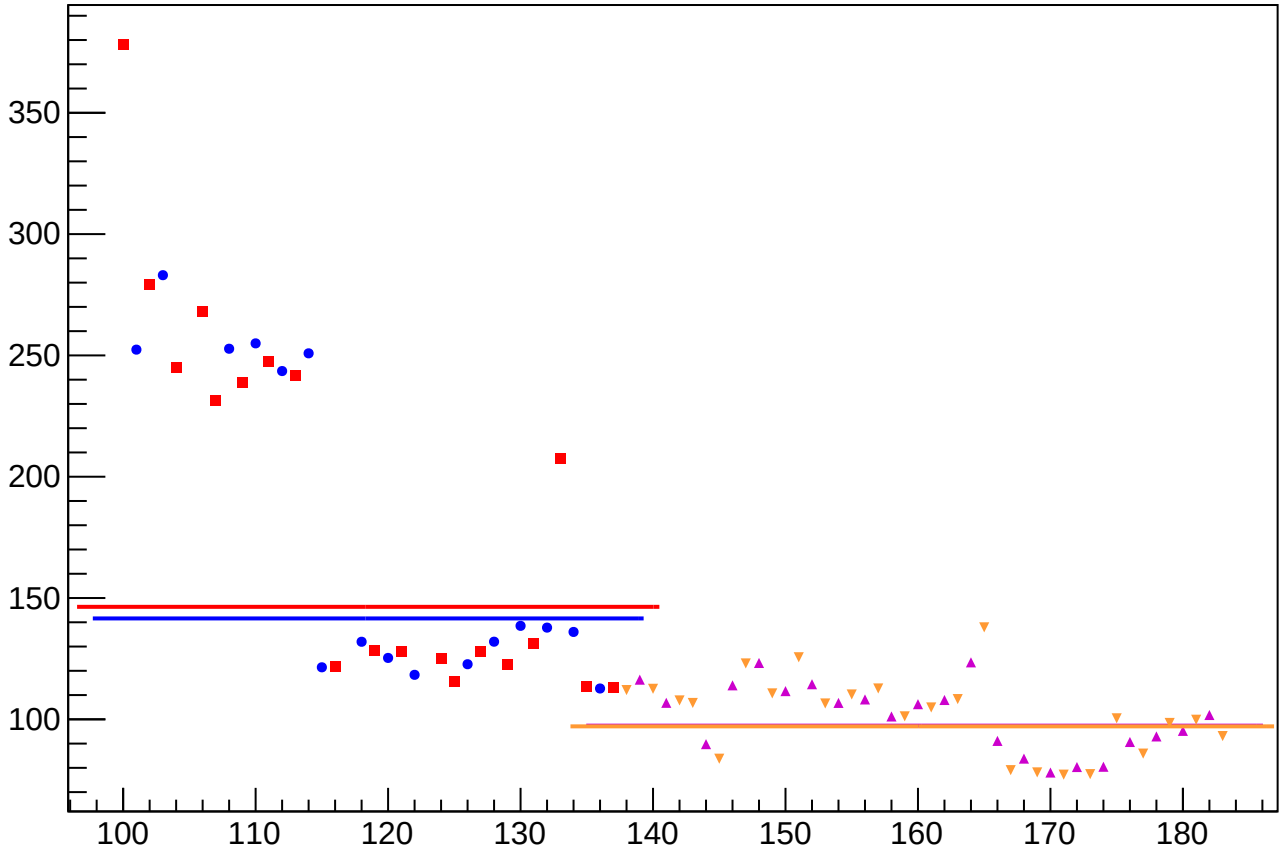
Left In: -64.023+/-23.369 χ^2/NDF:27.8/21

+ sign 33.520+/-20.945 χ^2/NDF: 54.5/39

All: -11.133+/-15.045 χ^2/NDF: 112.6/80

- sign -58.722+/-21.623 χ^2/NDF: 48.7/40

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.101+/-0.016 χ^2/NDF:925586.3/23

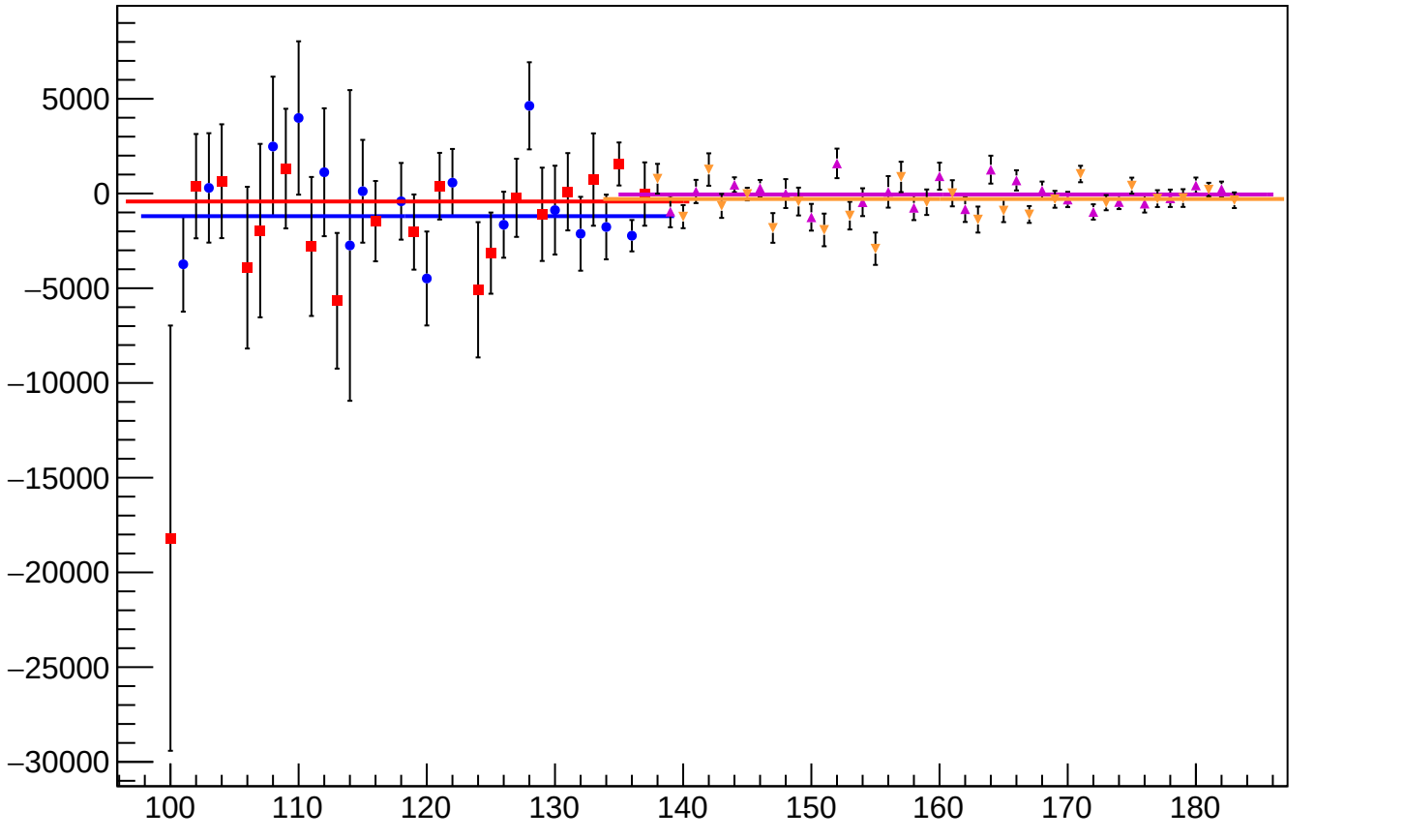
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.397+/-0.017 χ^2/NDF:665442.4/21

+ sign 103.423+/-0.015 χ^2/NDF: 3287705.0/39

All: 103.915+/-0.011 χ^2/NDF: 6732352.2/80

- sign 104.441+/-0.015 χ^2/NDF: 3442360.5/40



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -291.097+/-107.647 χ^2/NDF:50.1/23

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

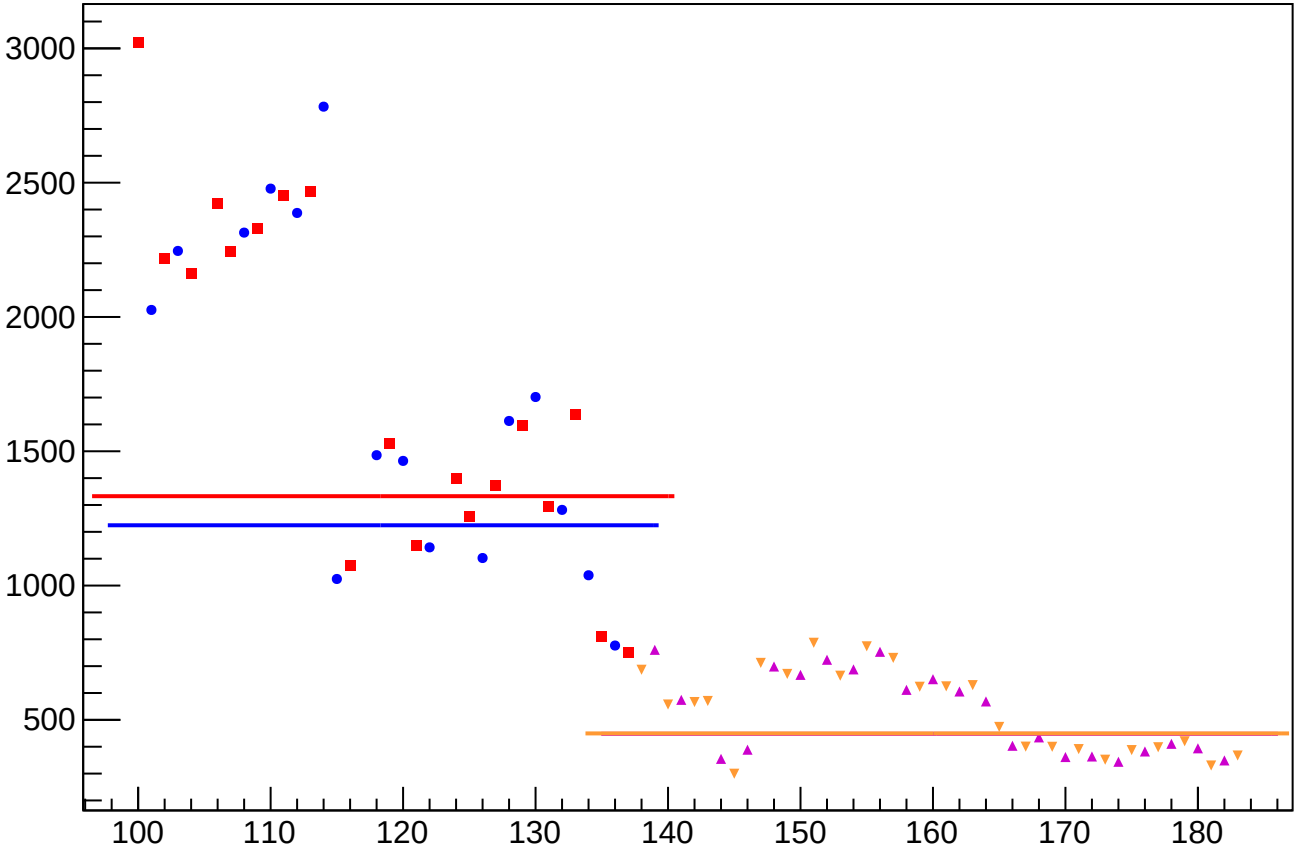
Left In: -51.828+/-110.417 χ^2/NDF:30.7/21

+ sign -332.565+/-105.153 χ^2/NDF: 69.3/39

All: -203.665+/-75.355 χ^2/NDF: 117.9/80

- sign -67.582+/-108.043 χ^2/NDF: 45.5/40

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 449.554+/-0.076 χ^2/NDF:3162704.9/23

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

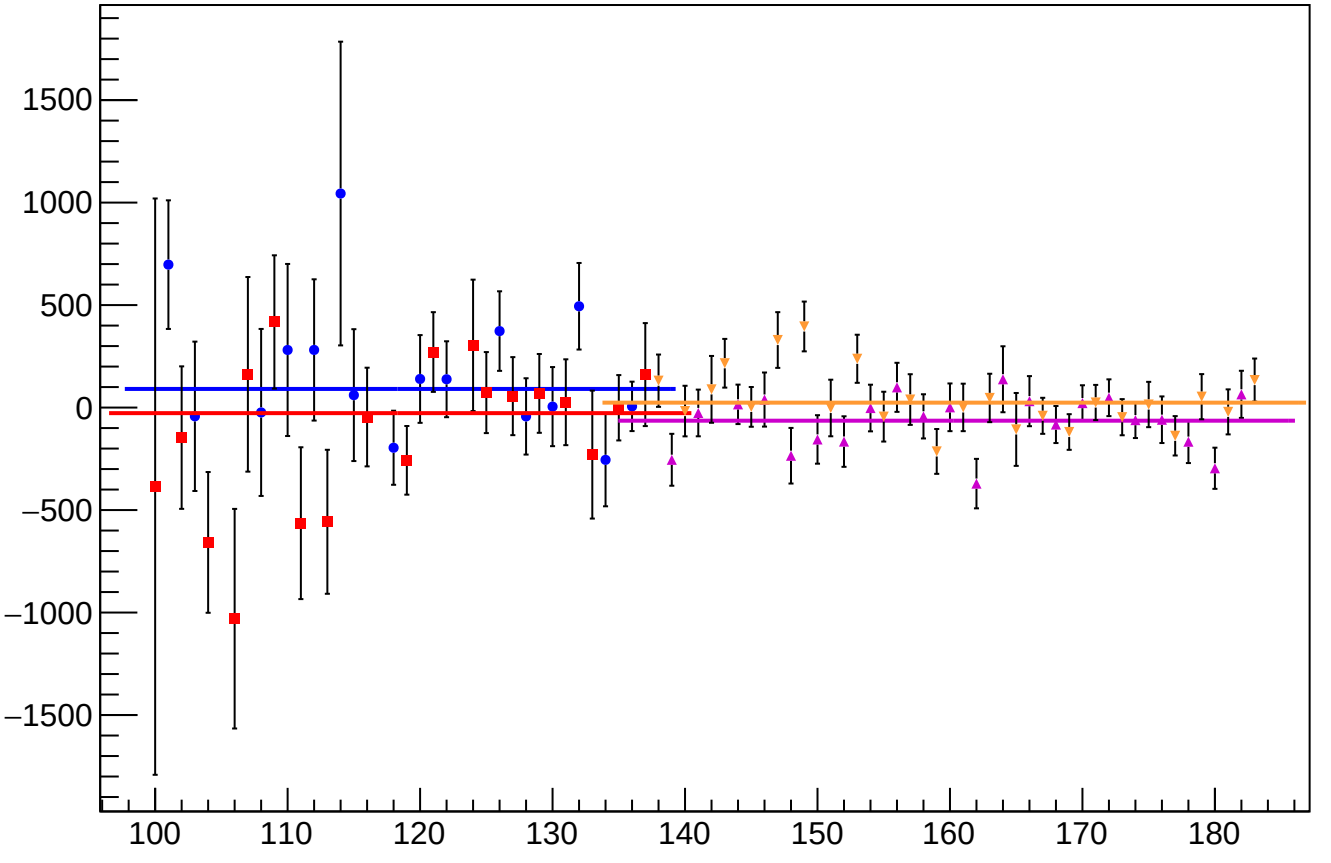
Left In: 447.991+/-0.078 χ^2/NDF:2676129.8/21

\+ sign 485.039+/-0.074 χ^2/NDF: 9868204.4/39

All: 485.327+/-0.053 χ^2/NDF: 20002372.3/80

\- sign 485.631+/-0.076 χ^2/NDF: 10134137.1/40

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 24.013+/-22.614 χ^2/NDF:35.2/23

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

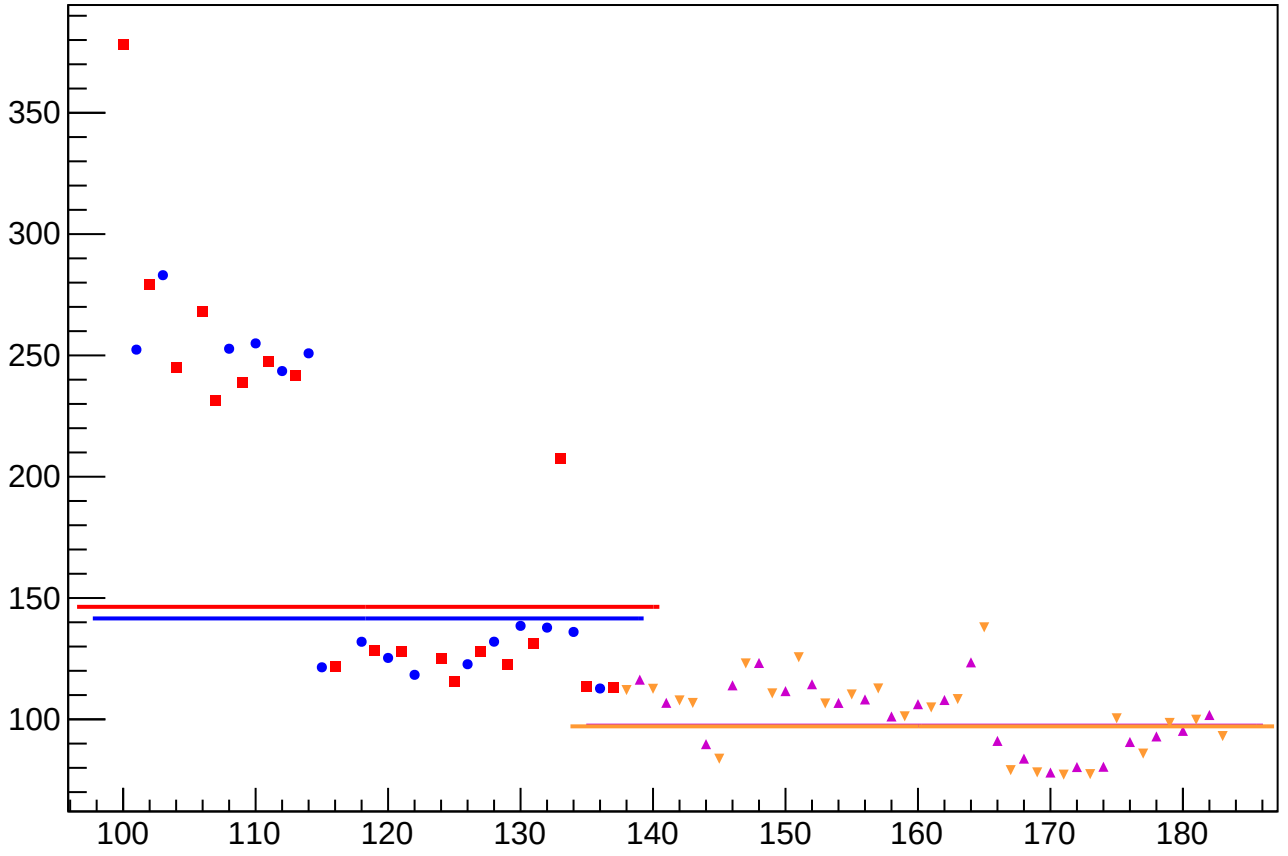
Left In: -64.023+/-23.369 χ^2/NDF:27.8/21

+ sign 33.519+/-20.946 χ^2/NDF: 54.5/39

All: -11.134+/-15.045 χ^2/NDF: 112.6/80

- sign -58.722+/-21.623 χ^2/NDF: 48.7/40

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.102+/-0.016 χ^2/NDF:925587.2/23

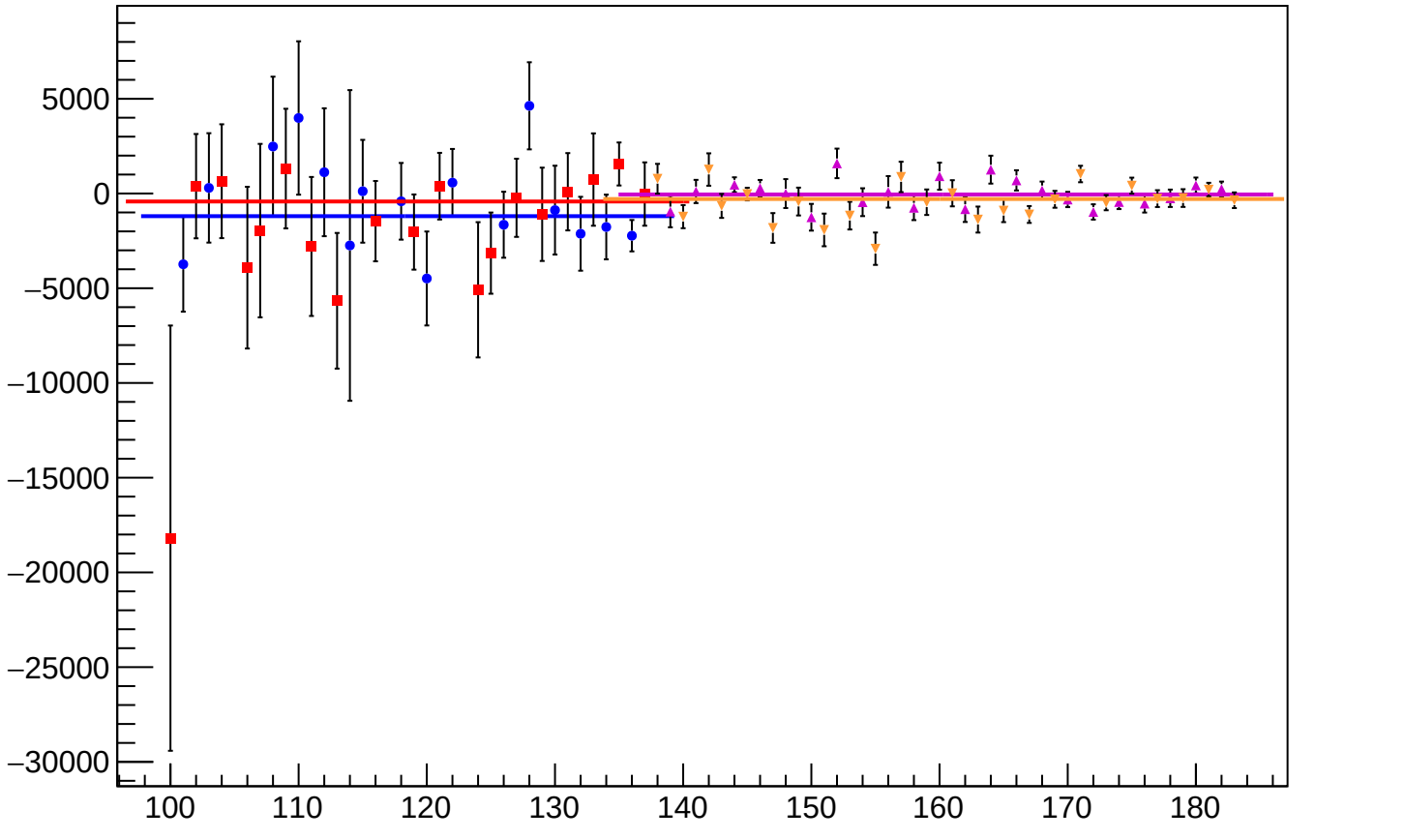
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.397+/-0.017 χ^2/NDF:665431.5/21

+ sign 103.423+/-0.015 χ^2/NDF: 3287652.9/39

All: 103.916+/-0.011 χ^2/NDF: 6732241.0/80

- sign 104.441+/-0.015 χ^2/NDF: 3442300.7/40



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -291.096+/-107.646 χ^2/NDF:50.1/23

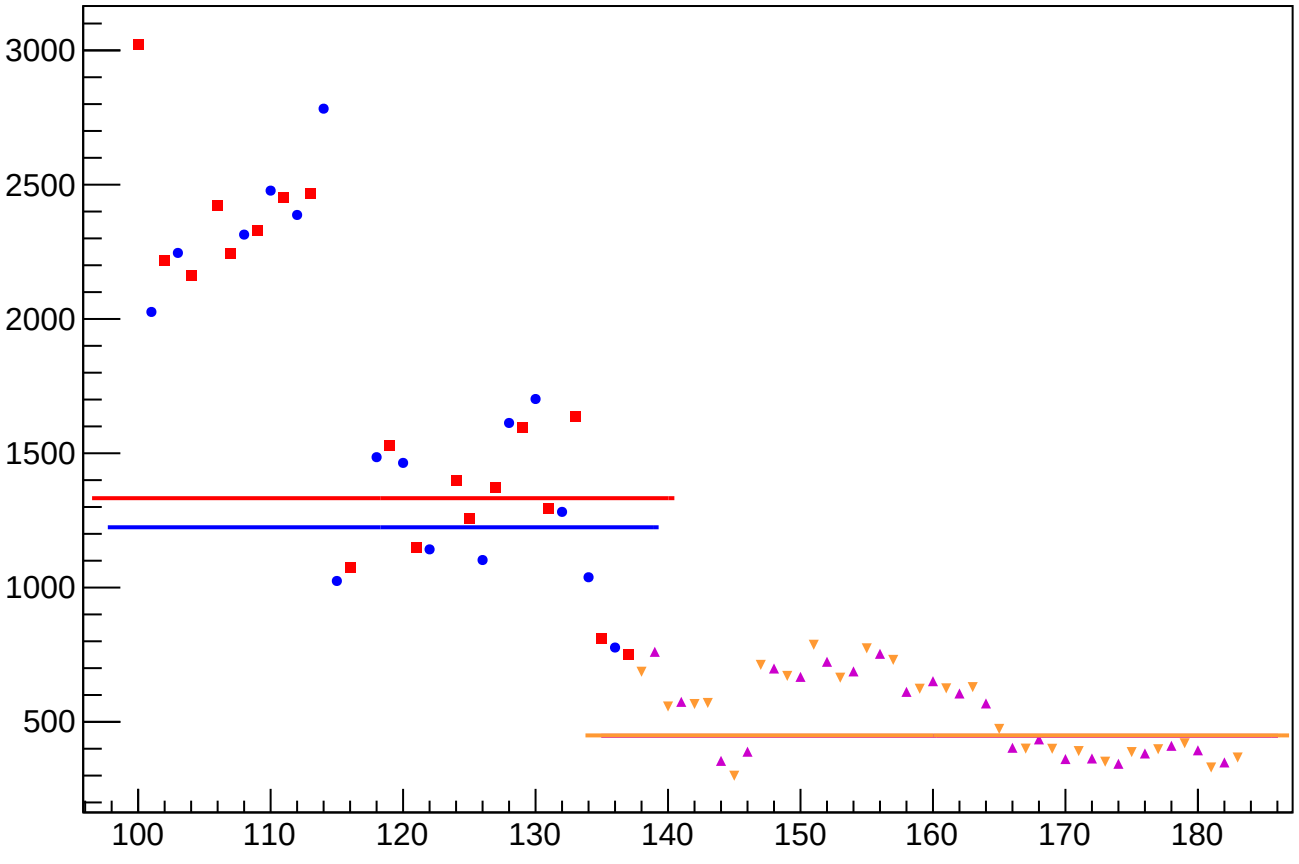
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -51.828+/-110.417 χ^2/NDF:30.7/21

+ sign -332.564+/-105.153 χ^2/NDF: 69.3/39

All: -203.665+/-75.355 χ^2/NDF: 117.9/80

- sign -67.582+/-108.043 χ^2/NDF: 45.5/40



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 449.553+/-0.076 χ^2/NDF:3162729.9/23

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

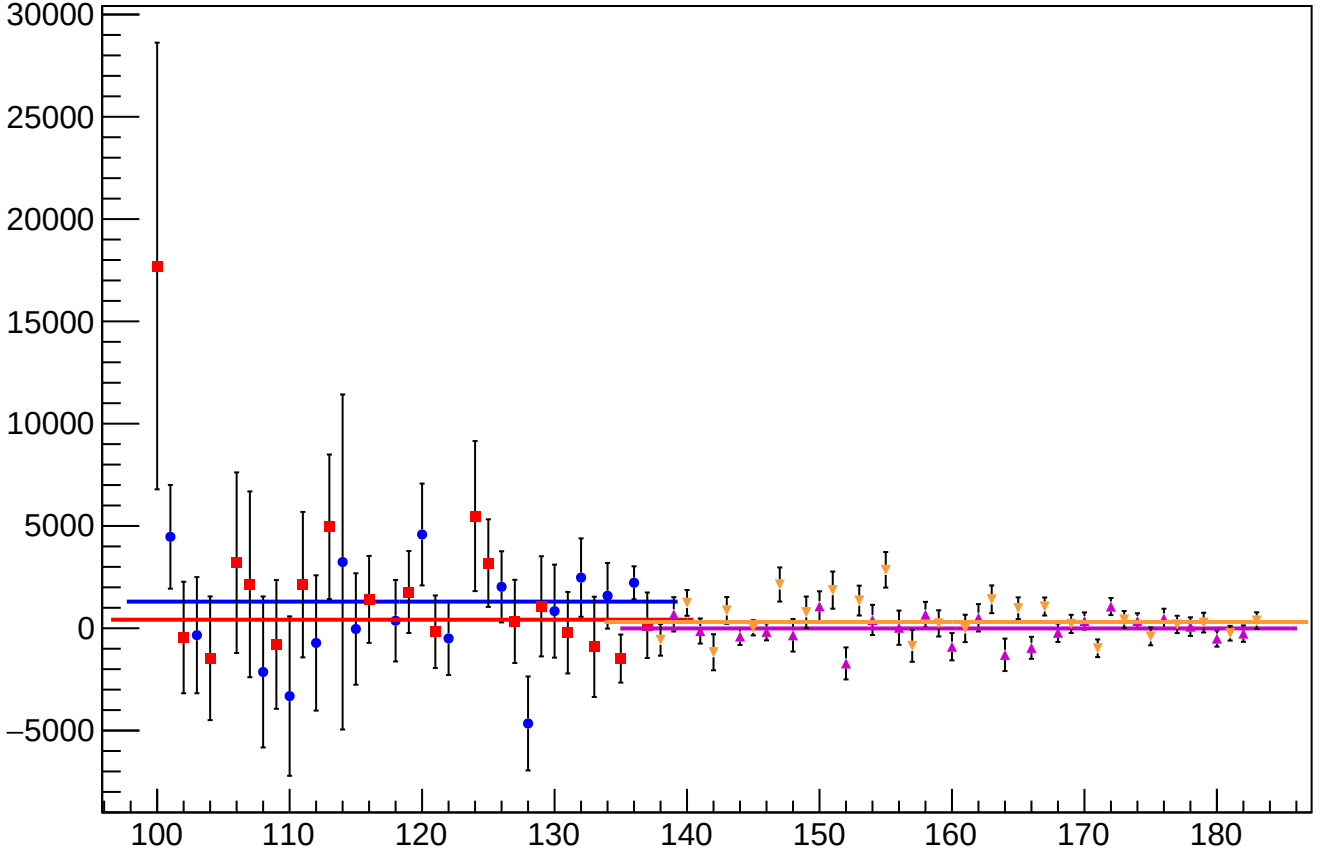
Left In: 447.991+/-0.078 χ^2/NDF:2676141.8/21

+ sign 485.039+/-0.074 χ^2/NDF: 9868220.2/39

All: 485.327+/-0.053 χ^2/NDF: 20002392.6/80

- sign 485.631+/-0.076 χ^2/NDF: 10134141.7/40

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 305.865+/-108.449 χ^2/NDF:50.2/23

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

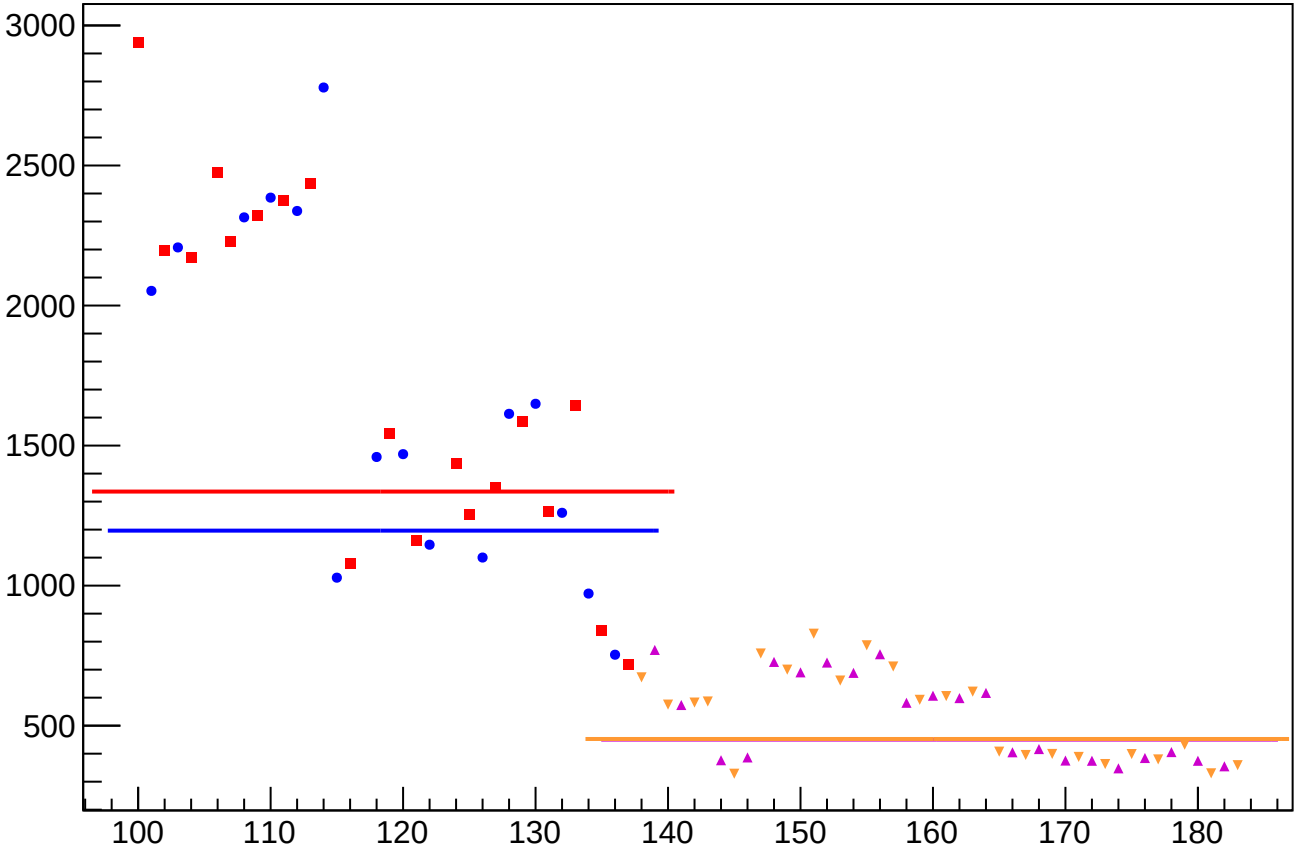
Left In: -9.174+/-110.710 χ^2/NDF:30.2/21

+ sign 353.853+/-105.803 χ^2/NDF: 70.7/39

All: 185.512+/-75.689 χ^2/NDF: 119.8/80

- sign 9.057+/-108.323 χ^2/NDF: 43.9/40

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 452.450+/-0.077 χ^2/NDF:3058256.8/23

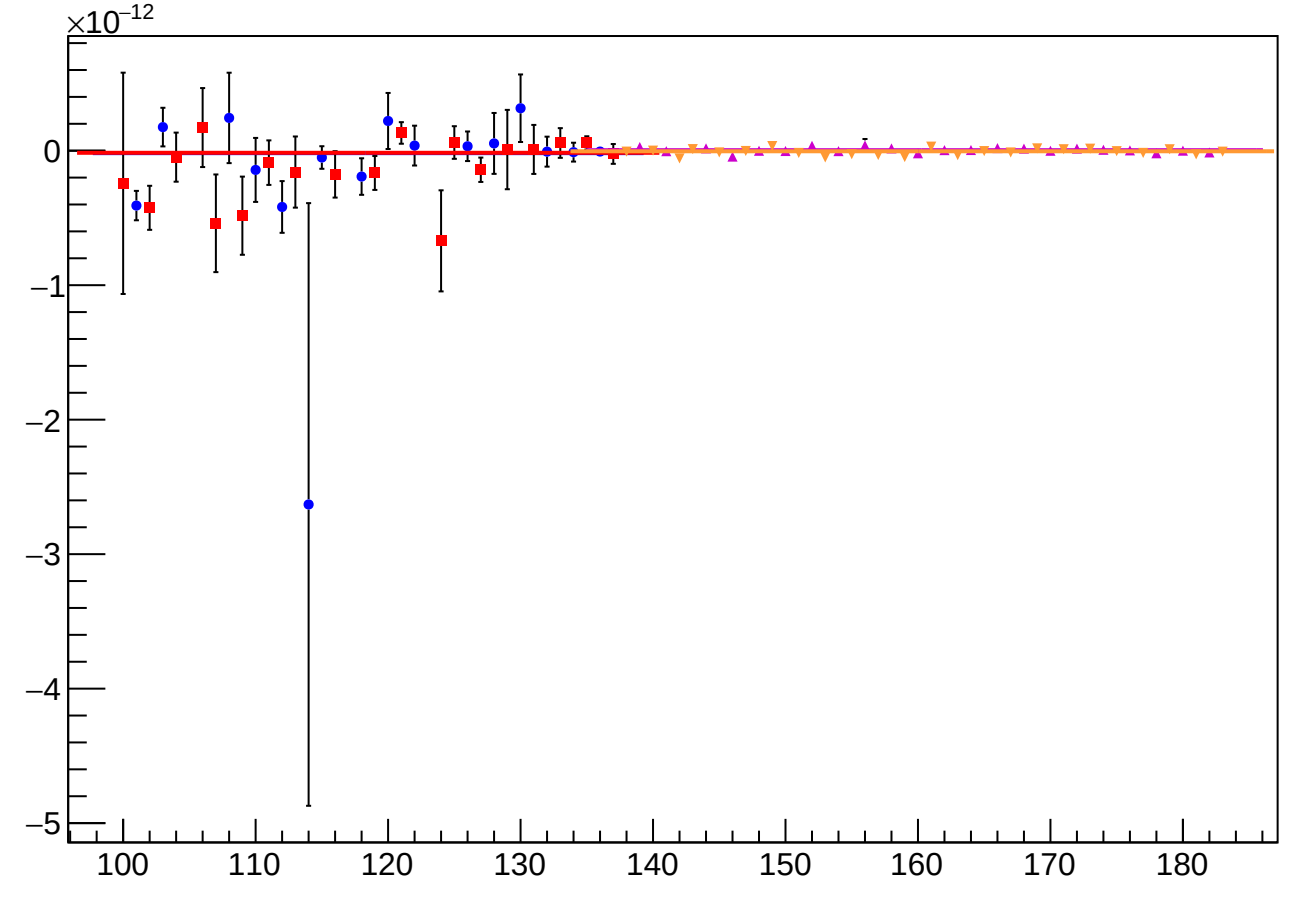
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 450.246+/-0.078 χ^2/NDF:2598474.0/21

+ sign 488.301+/-0.075 χ^2/NDF: 9625118.3/39

All: 488.162+/-0.054 χ^2/NDF: 19632939.6/80

- sign 488.016+/-0.077 χ^2/NDF: 10007814.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/23

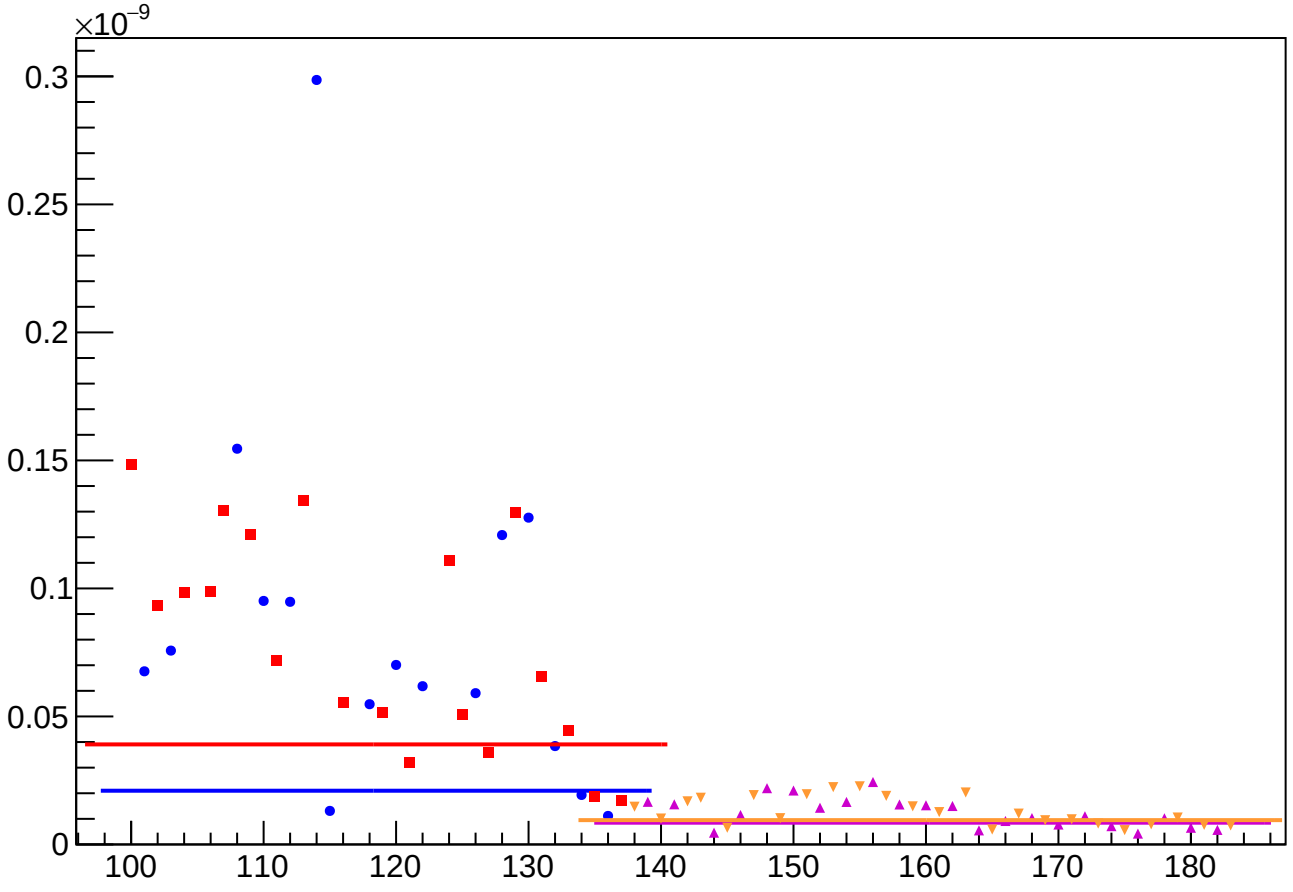
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/21

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/39

All: -0.000+/-0.000 χ^2/NDF: 93.9/80

- sign 0.000+/-0.000 χ^2/NDF: 42.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2421822.2/23

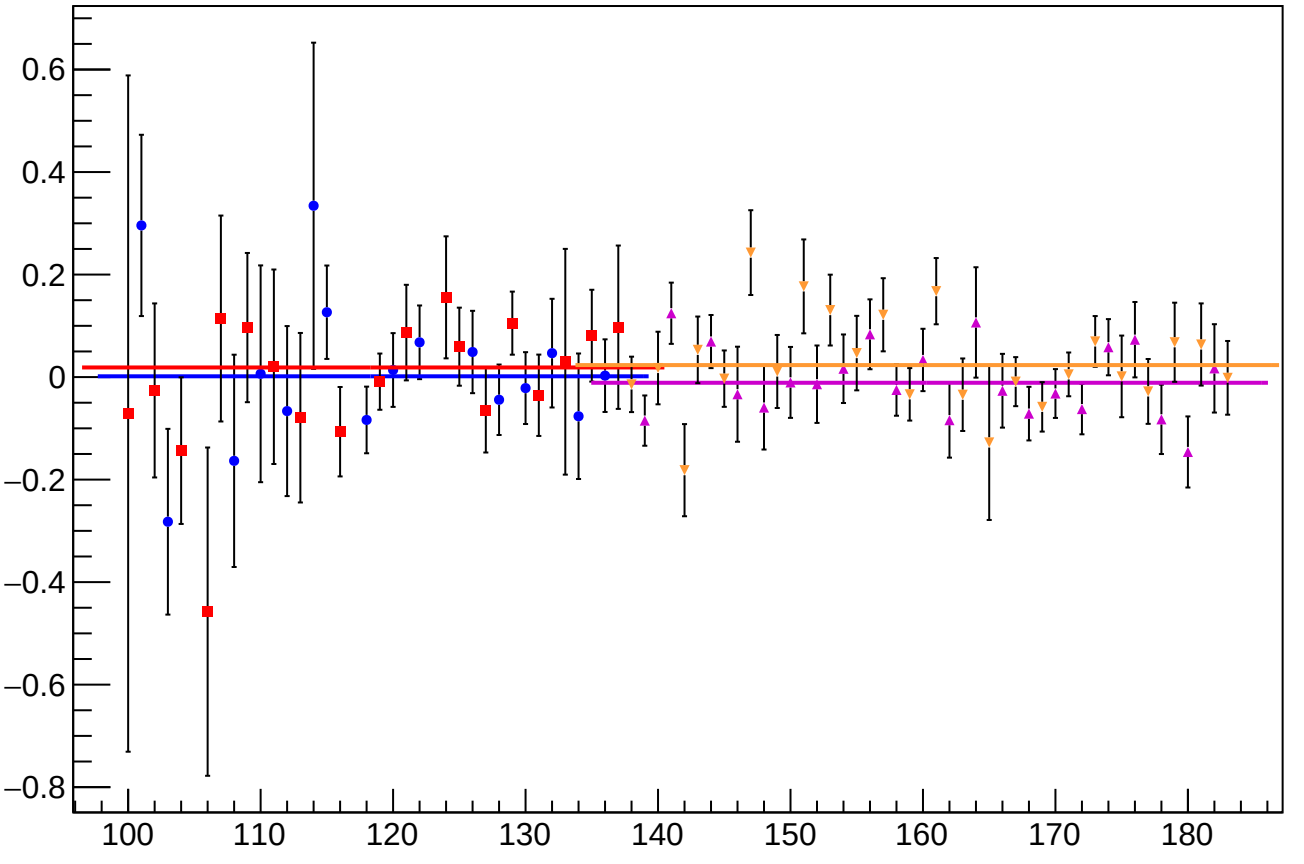
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2732733.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 6597104.4/39

All: 0.000+/-0.000 χ^2/NDF: 13879746.7/80

- sign 0.000+/-0.000 χ^2/NDF: 7219765.4/40



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

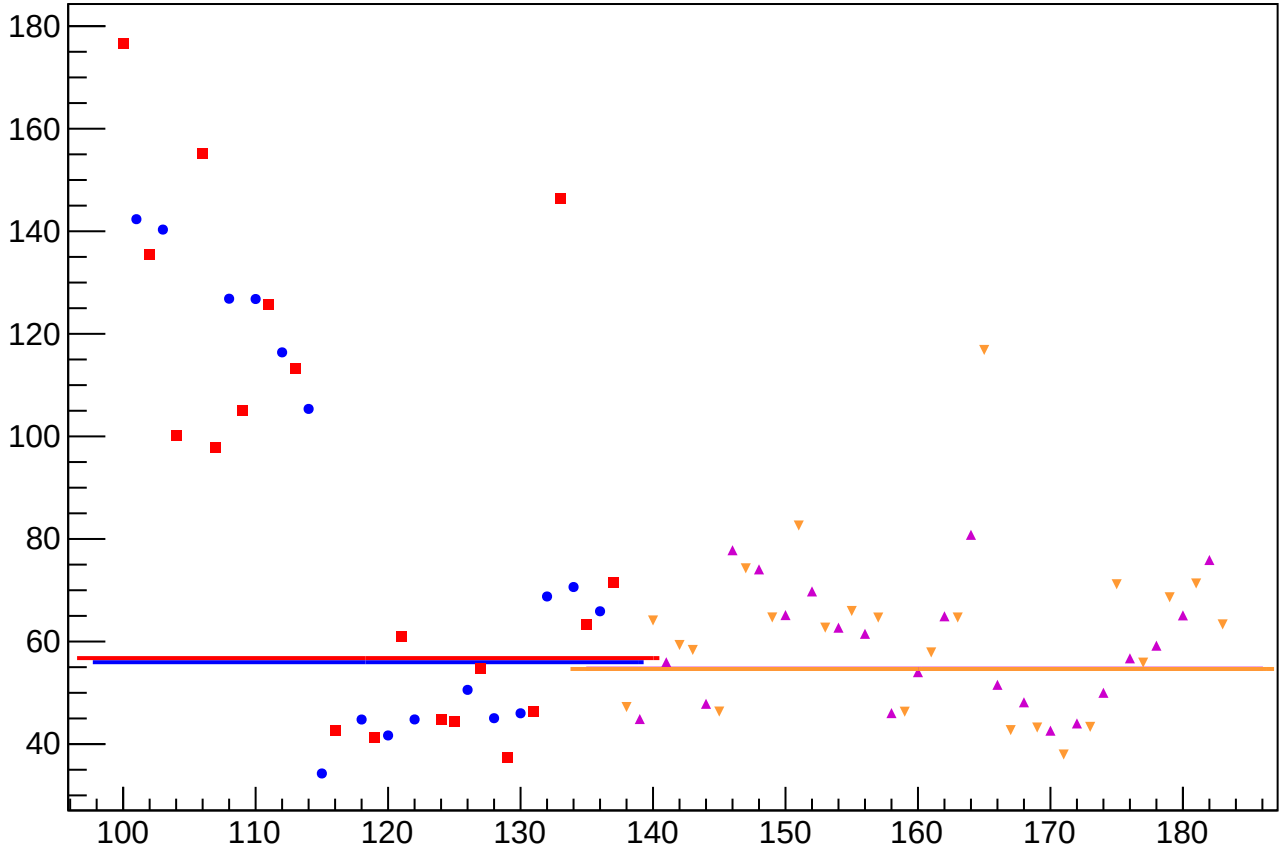
Left In: -0.011+/-0.013 χ^2/NDF:25.7/21

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/39

All: 0.007+/-0.008 χ^2/NDF: 89.7/80

- sign -0.004+/-0.012 χ^2/NDF: 40.0/40

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.650+/-0.009 χ^2/NDF:1935418.8/23

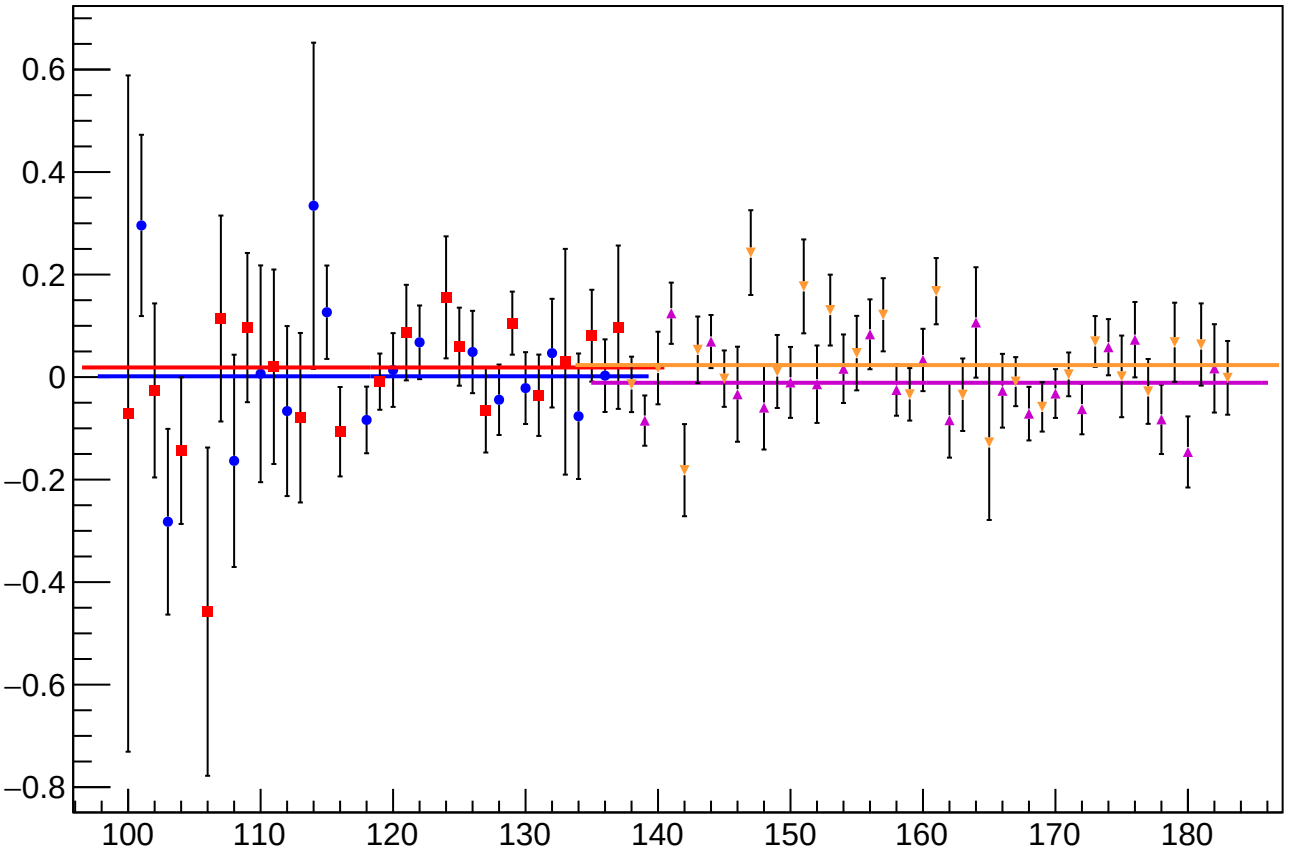
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.707+/-0.009 χ^2/NDF:1190564.1/21

+ sign 54.961+/-0.008 χ^2/NDF: 4120087.5/39

All: 55.084+/-0.006 χ^2/NDF: 7875978.8/80

- sign 55.212+/-0.008 χ^2/NDF: 3755418.1/40



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

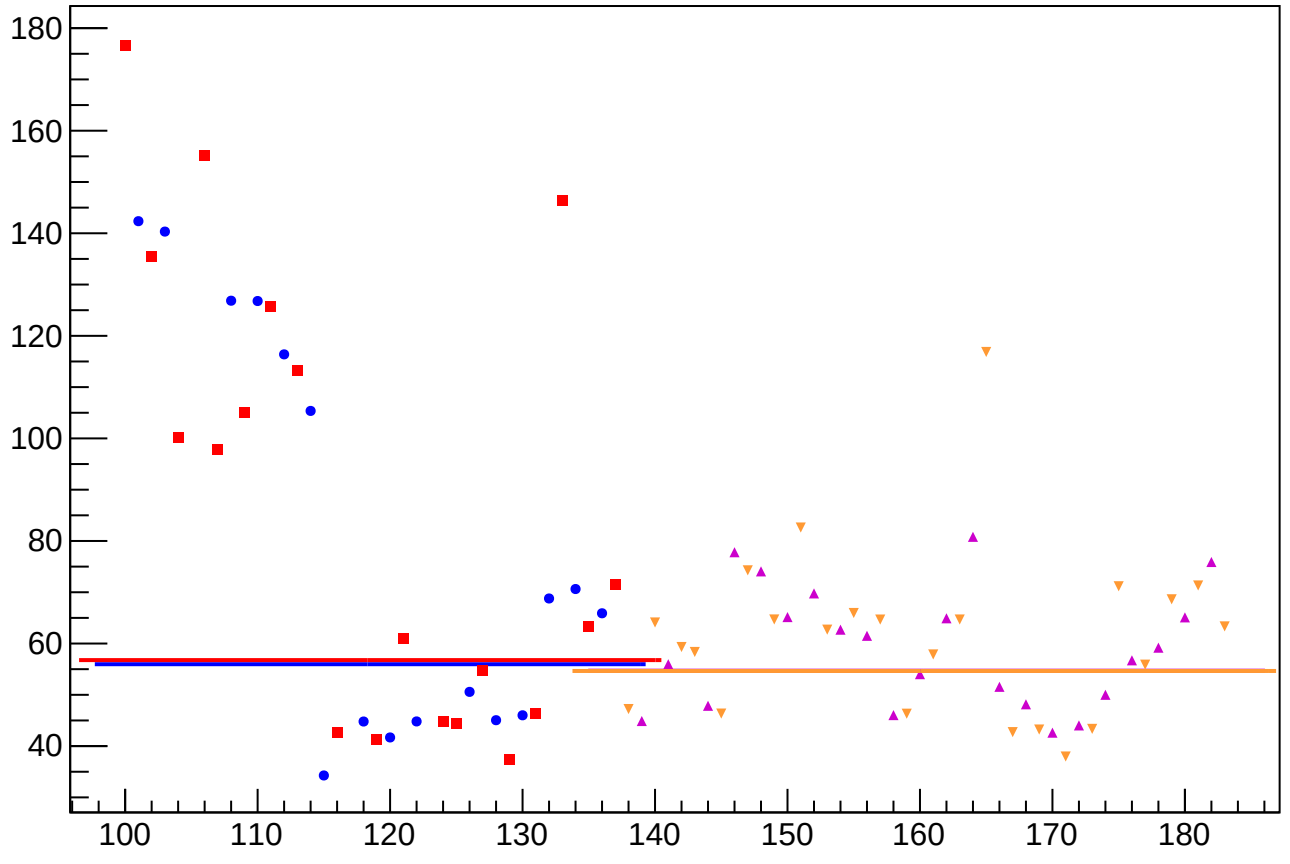
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.011+/-0.013 χ^2/NDF:25.7/21

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/39

All: 0.007+/-0.008 χ^2/NDF: 89.7/80

- sign -0.004+/-0.012 χ^2/NDF: 40.0/40



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.650+/-0.009 χ^2/NDF:1935418.8/23

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

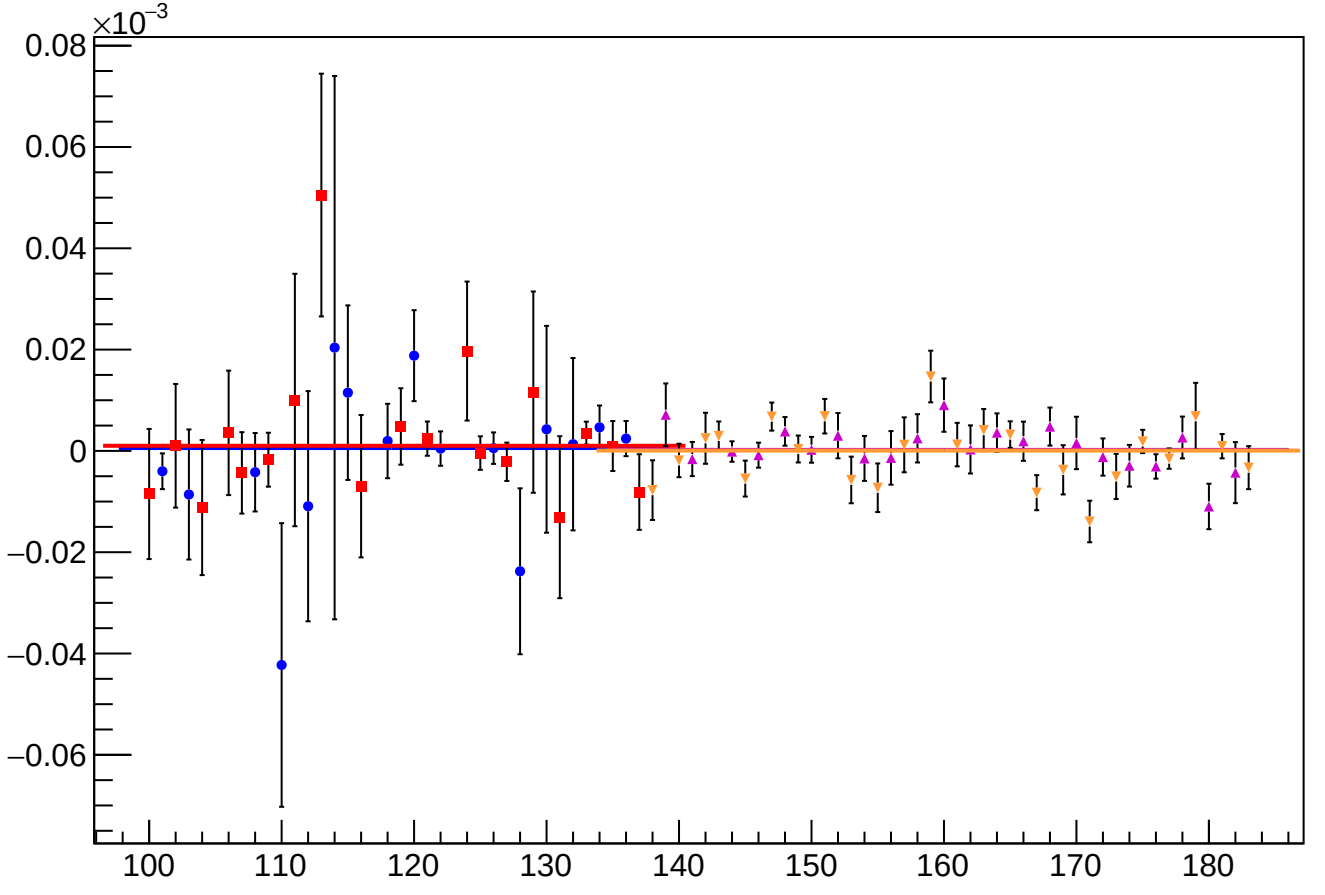
Left In: 54.707+/-0.009 χ^2/NDF:1190564.1/21

+ sign 54.961+/-0.008 χ^2/NDF: 4120087.5/39

All: 55.084+/-0.006 χ^2/NDF: 7875978.8/80

- sign 55.212+/-0.008 χ^2/NDF: 3755418.1/40

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

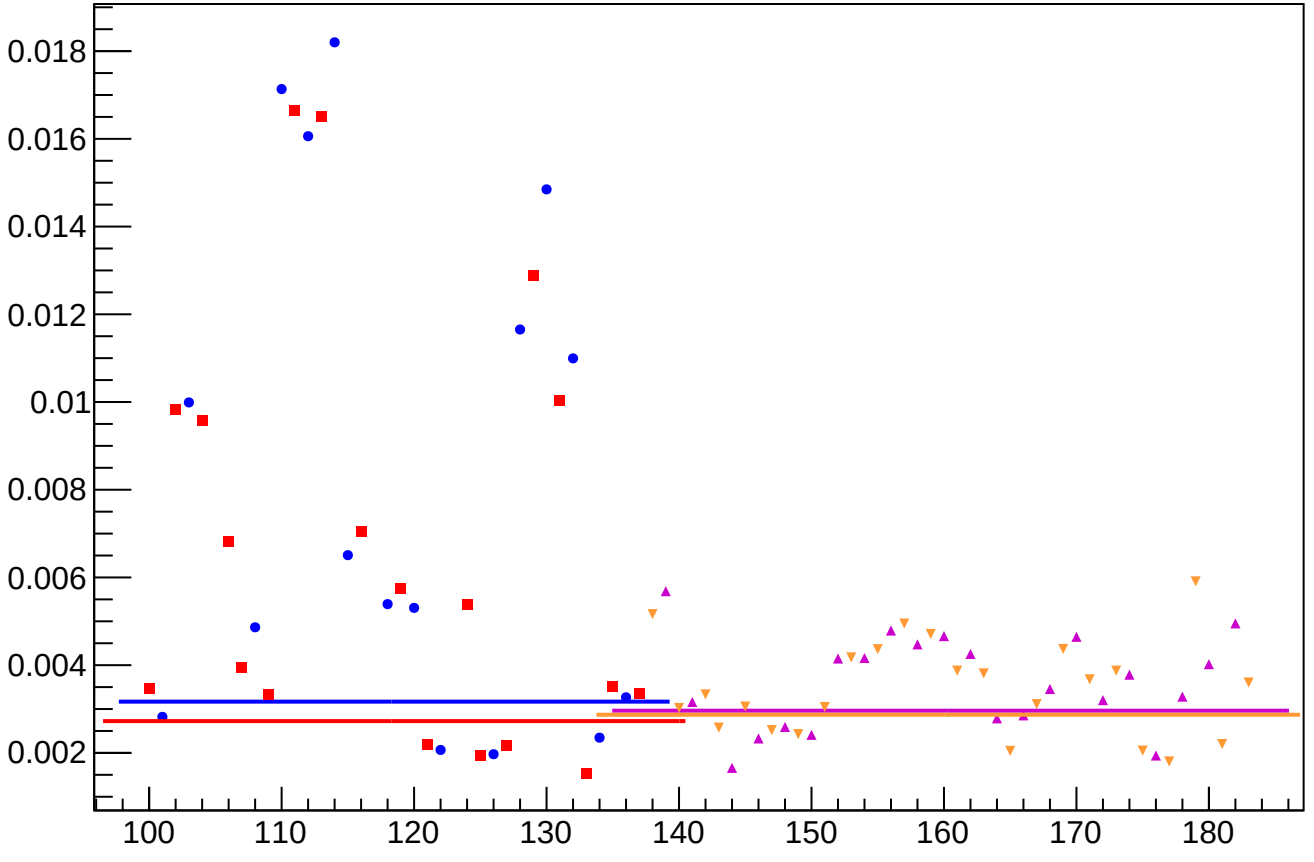
Left In: 0.000+/-0.000 χ^2/NDF:19.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 66.1/39

All: 0.000+/-0.000 χ^2/NDF: 99.6/80

- sign 0.000+/-0.000 χ^2/NDF: 33.4/40

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3599002.1/23

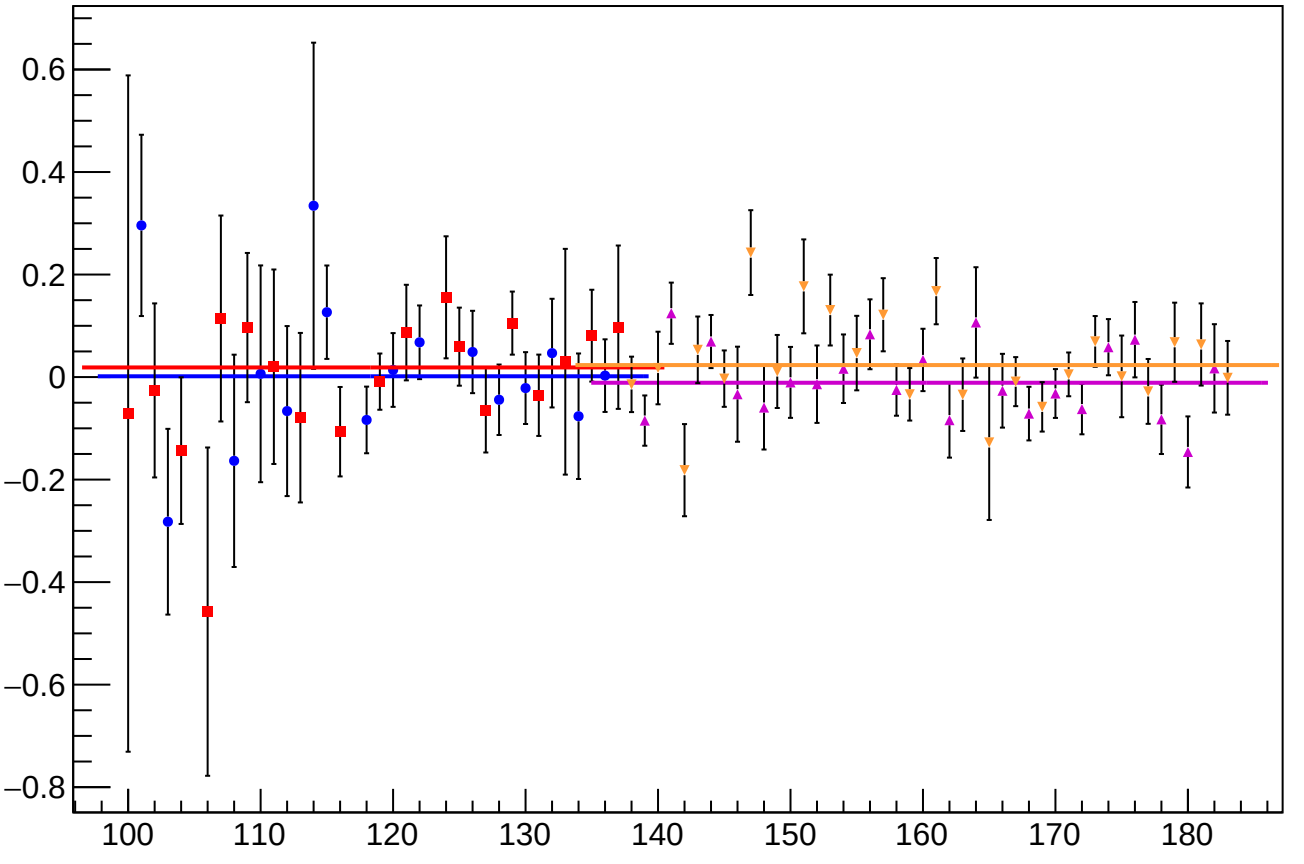
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3618472.4/21

+ sign 0.003+/-0.000 χ^2/NDF: 8213821.1/39

All: 0.003+/-0.000 χ^2/NDF: 17038512.4/80

- sign 0.003+/-0.000 χ^2/NDF: 8823103.3/40



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

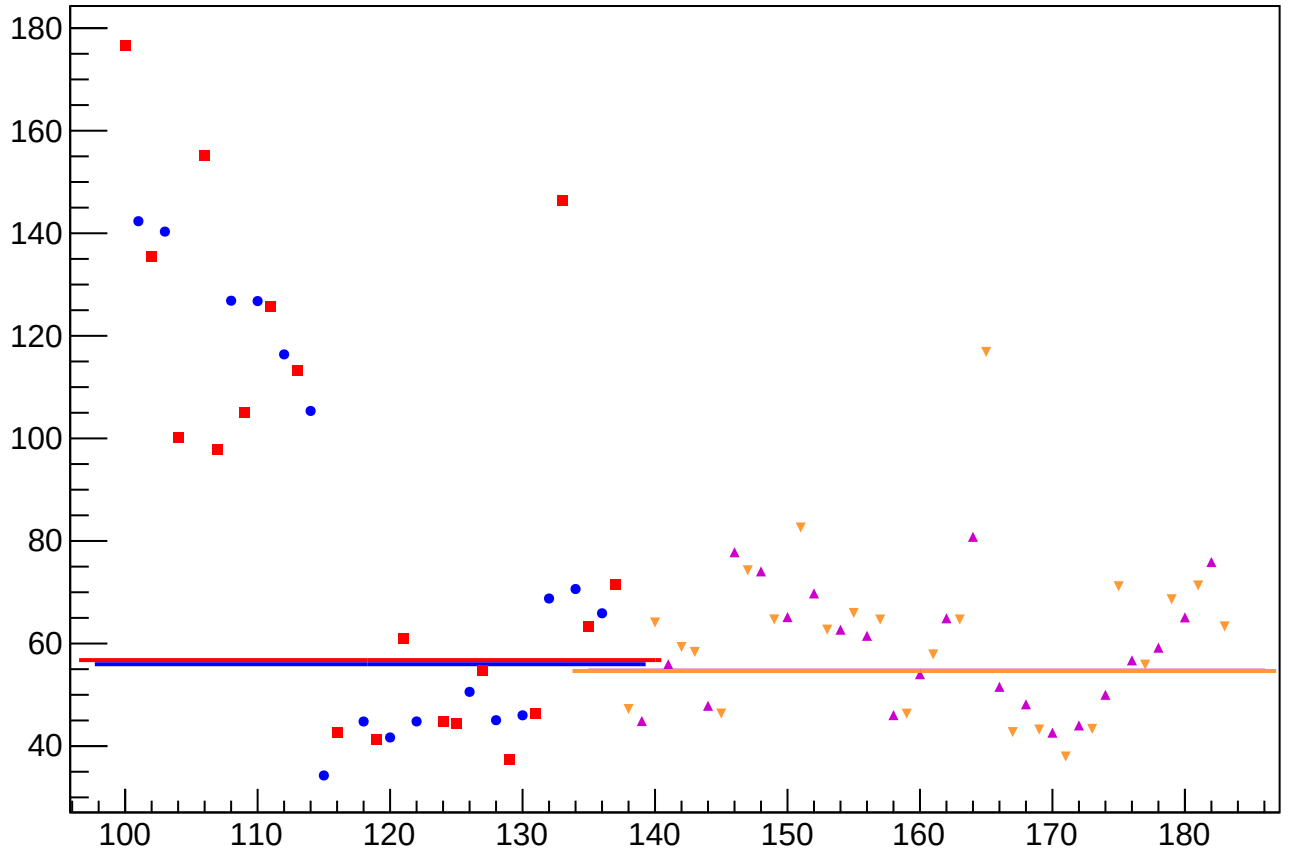
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.011+/-0.013 χ^2/NDF:25.7/21

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/39

All: 0.007+/-0.008 χ^2/NDF: 89.7/80

- sign -0.004+/-0.012 χ^2/NDF: 40.0/40



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 54.651+/-0.009 χ^2/NDF:1935412.9/23

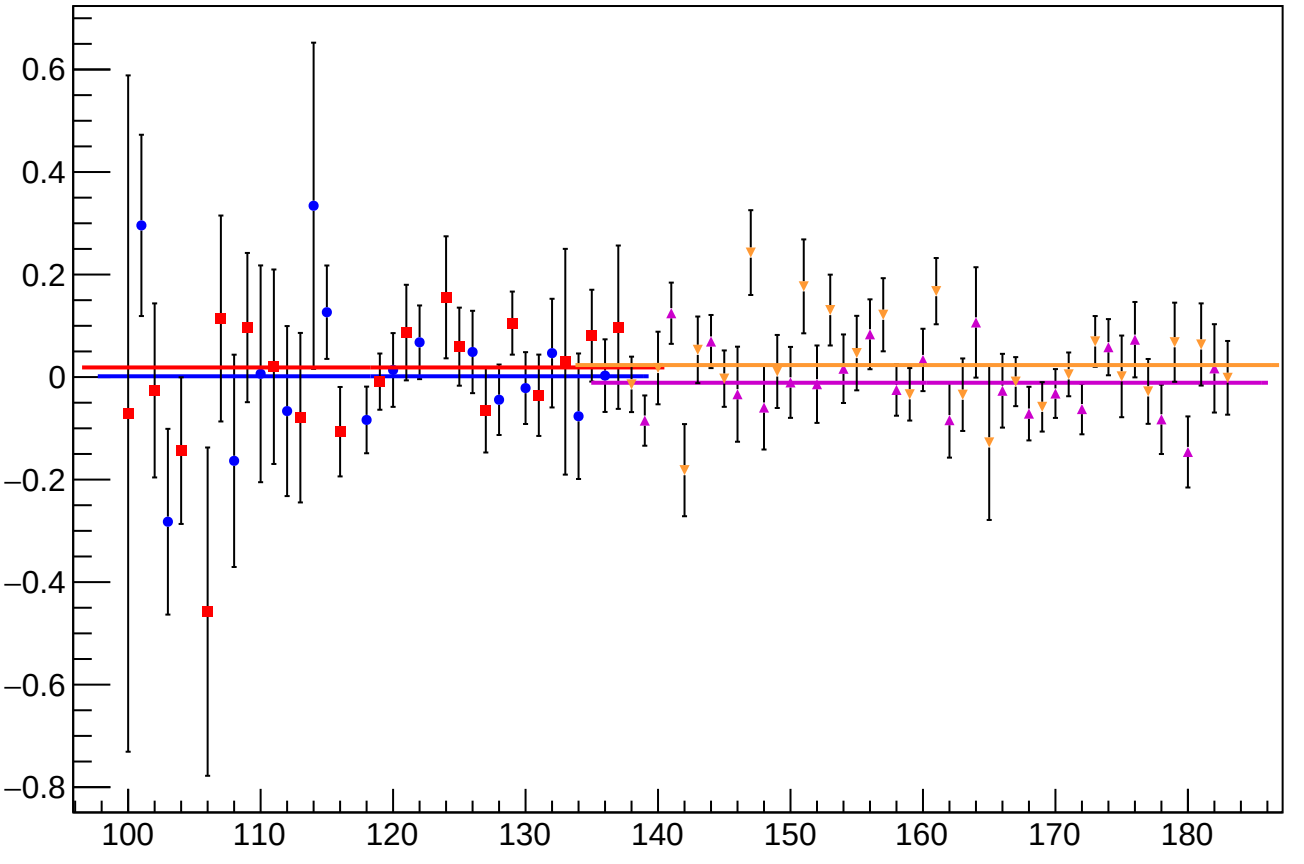
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.708+/-0.009 χ^2/NDF:1190531.8/21

+ sign 54.962+/-0.008 χ^2/NDF: 4120004.4/39

All: 55.084+/-0.006 χ^2/NDF: 7875795.7/80

- sign 55.212+/-0.008 χ^2/NDF: 3755317.8/40



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

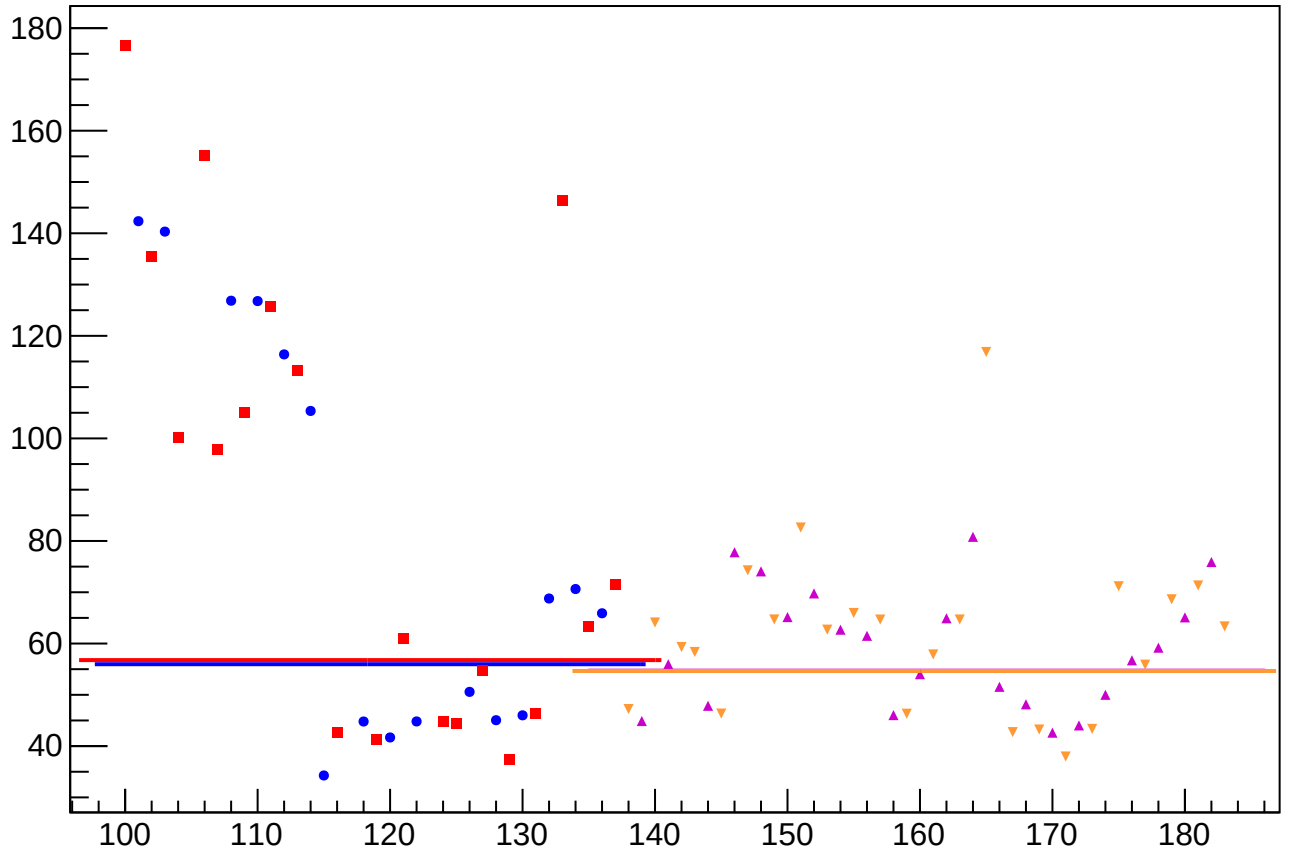
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.011+/-0.013 χ^2/NDF:25.7/21

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/39

All: 0.007+/-0.008 χ^2/NDF: 89.7/80

- sign -0.004+/-0.012 χ^2/NDF: 40.0/40



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 54.651+/-0.009 χ^2/NDF:1935412.9/23

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

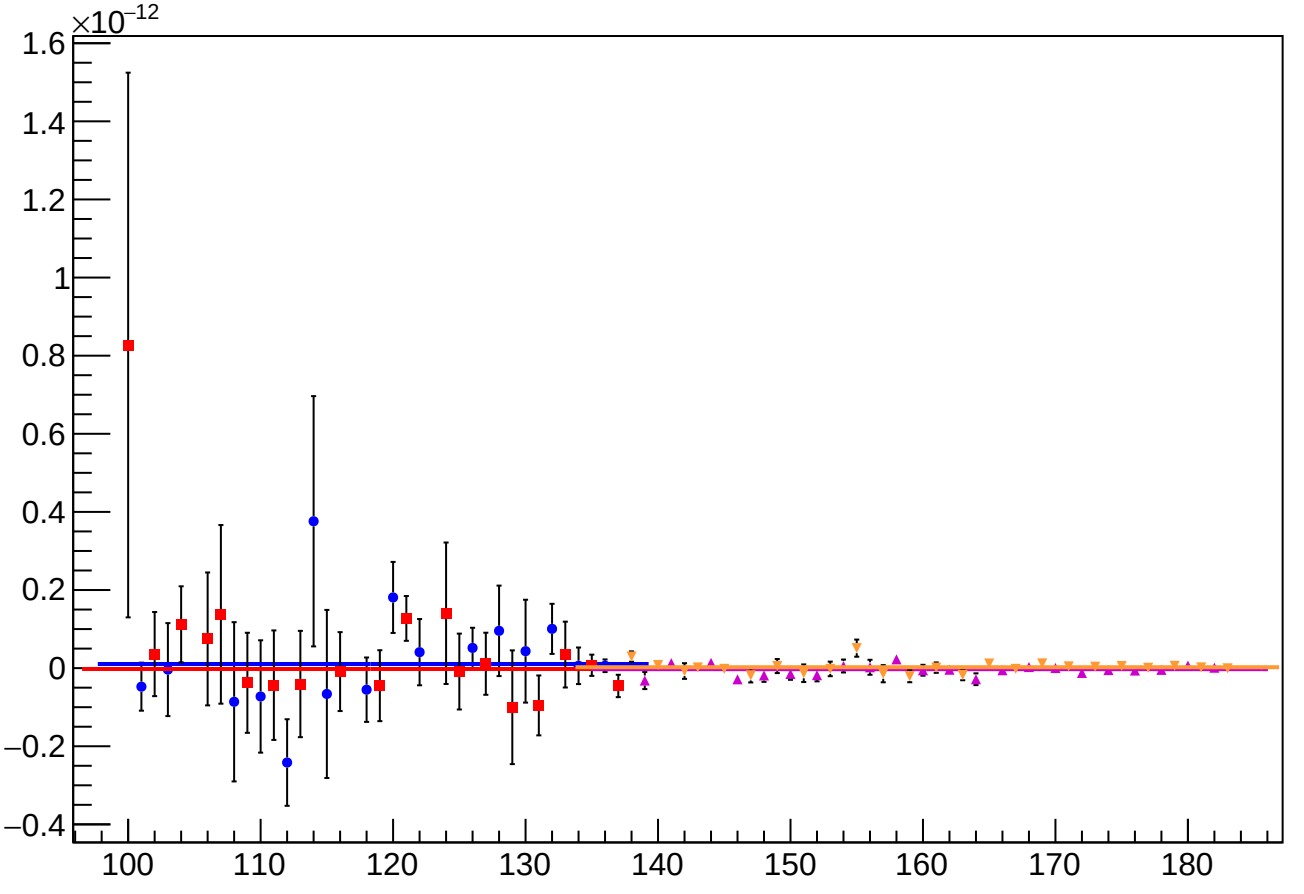
Left In: 54.708+/-0.009 χ^2/NDF:1190531.8/21

\+ sign 54.962+/-0.008 χ^2/NDF: 4120004.4/39

All: 55.084+/-0.006 χ^2/NDF: 7875795.7/80

\- sign 55.212+/-0.008 χ^2/NDF: 3755317.8/40

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/23

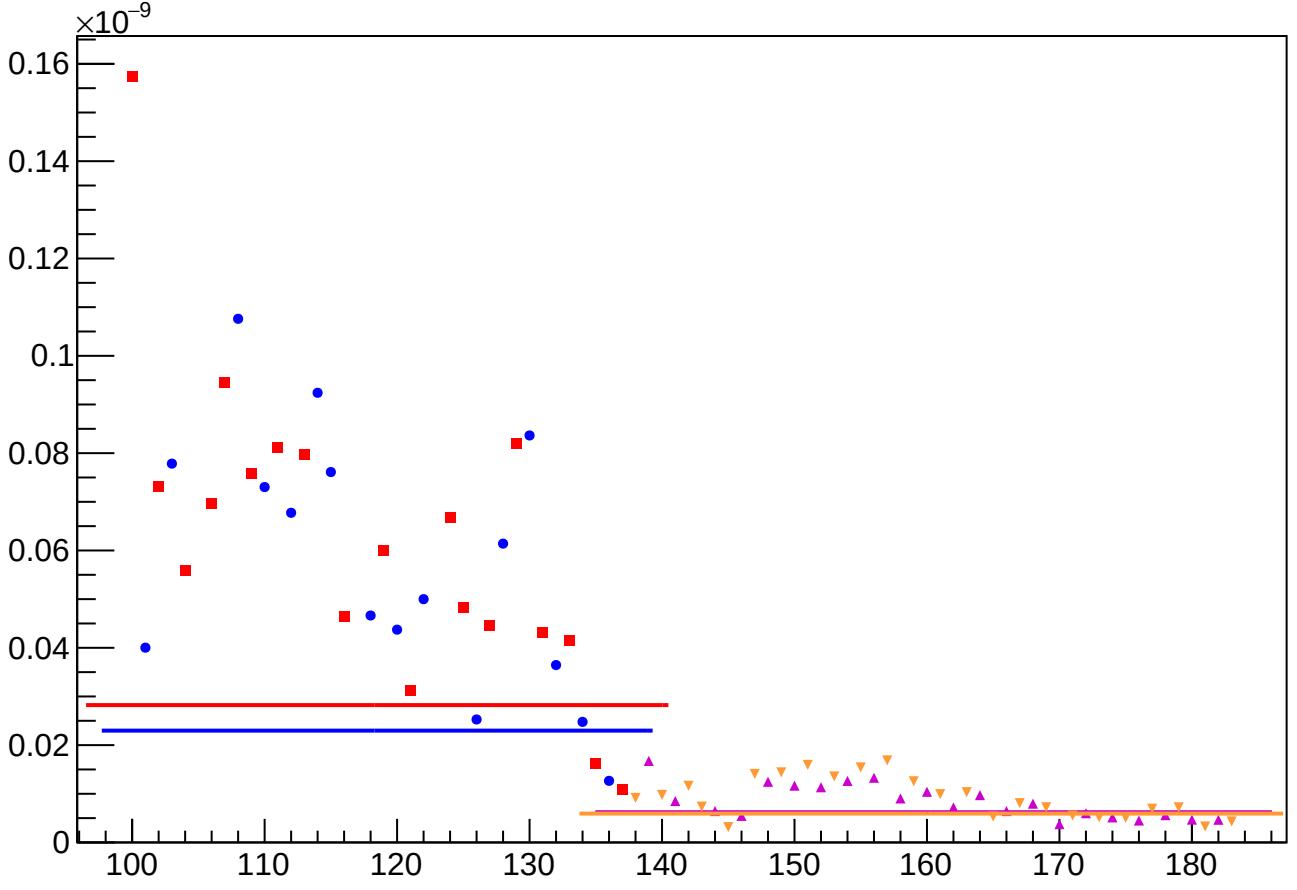
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:32.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 36.3/39

All: 0.000+/-0.000 χ^2/NDF: 87.1/80

- sign -0.000+/-0.000 χ^2/NDF: 47.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5468573.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

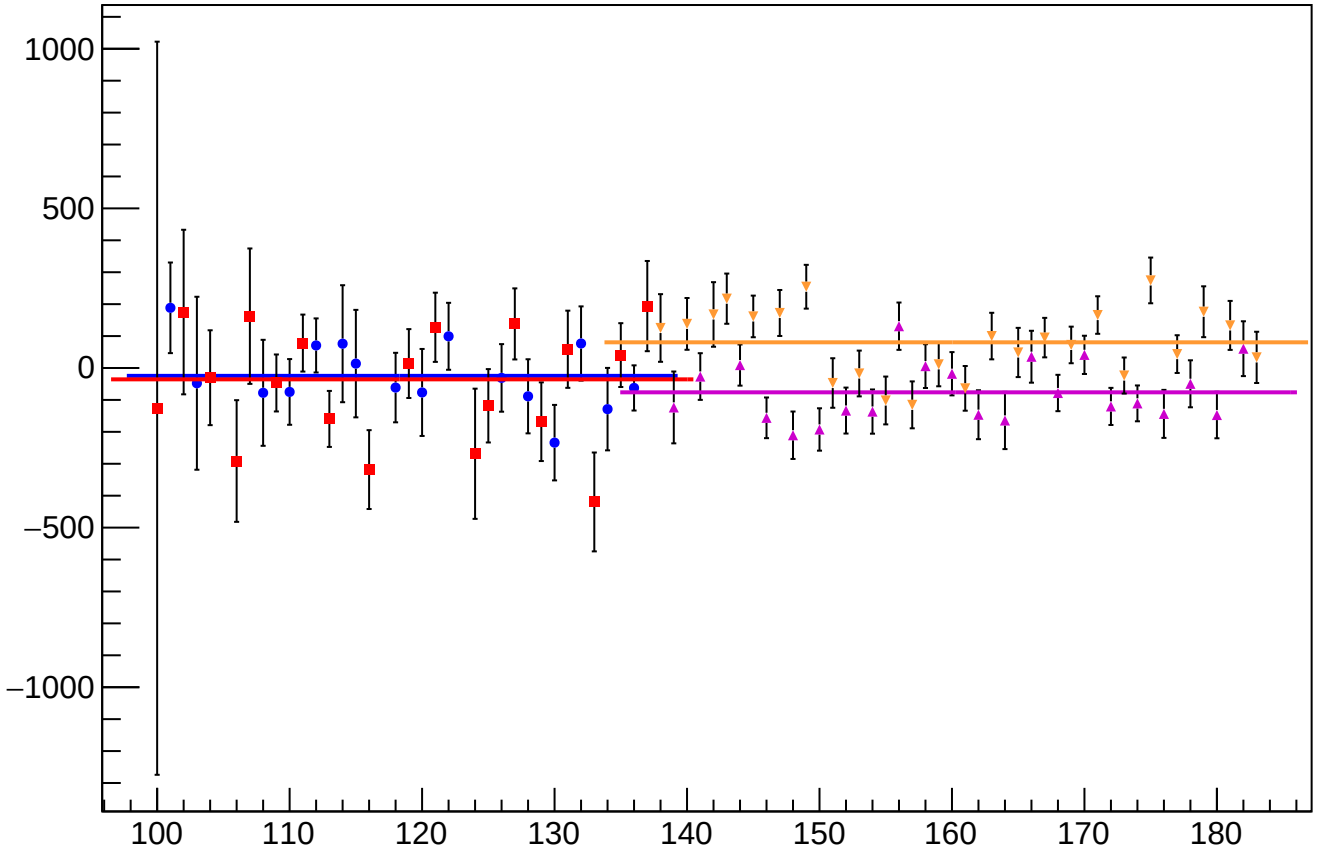
Left In: 0.000+/-0.000 χ^2/NDF:3186146.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 12591091.6/39

All: 0.000+/-0.000 χ^2/NDF: 23589610.1/80

- sign 0.000+/-0.000 χ^2/NDF: 10975186.7/40

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.443+/-14.480 χ^2/NDF:52.7/23

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

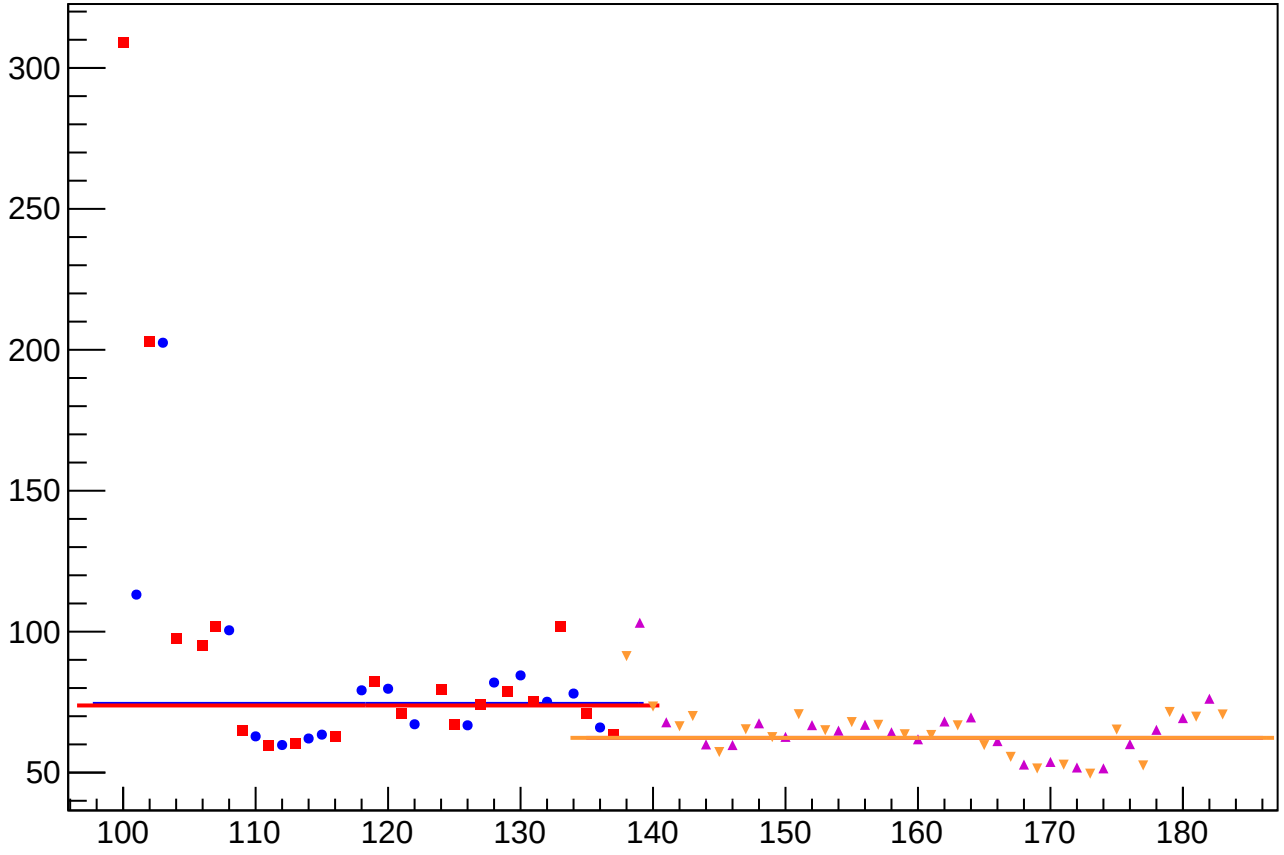
Left In: -76.219+/-14.897 χ^2/NDF:34.6/21

+ sign 59.372+/-12.947 χ^2/NDF: 74.3/39

All: -2.837+/-9.242 χ^2/NDF: 187.6/80

- sign -67.477+/-13.197 χ^2/NDF: 66.3/40

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.322+/-0.010 χ^2/NDF:656190.5/23

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

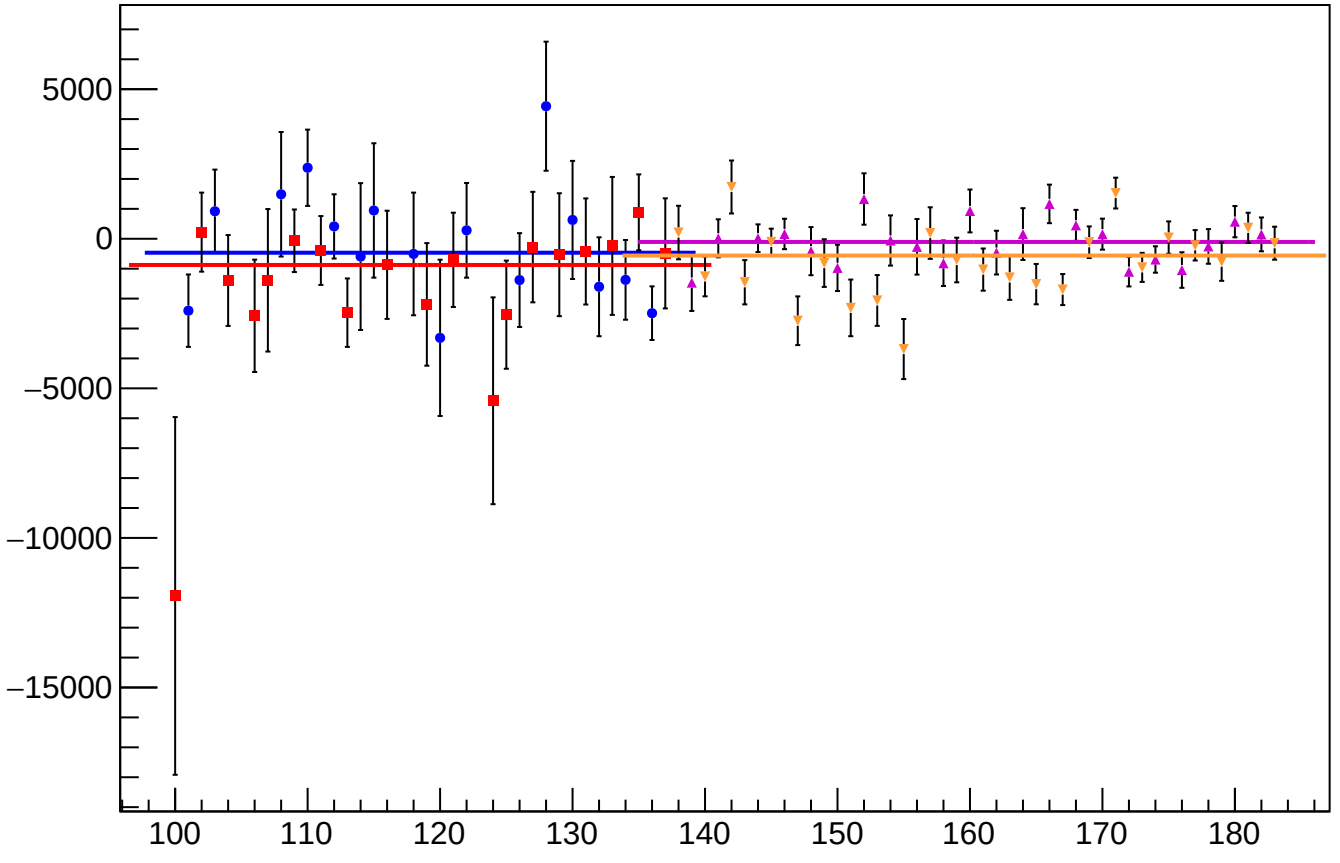
Left In: 62.295+/-0.011 χ^2/NDF:646865.8/21

+ sign 64.738+/-0.009 χ^2/NDF: 1761353.9/39

All: 64.755+/-0.007 χ^2/NDF: 3597469.2/80

- sign 64.773+/-0.009 χ^2/NDF: 1836108.1/40

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -561.154+/-129.477 χ^2/NDF:67.1/23

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

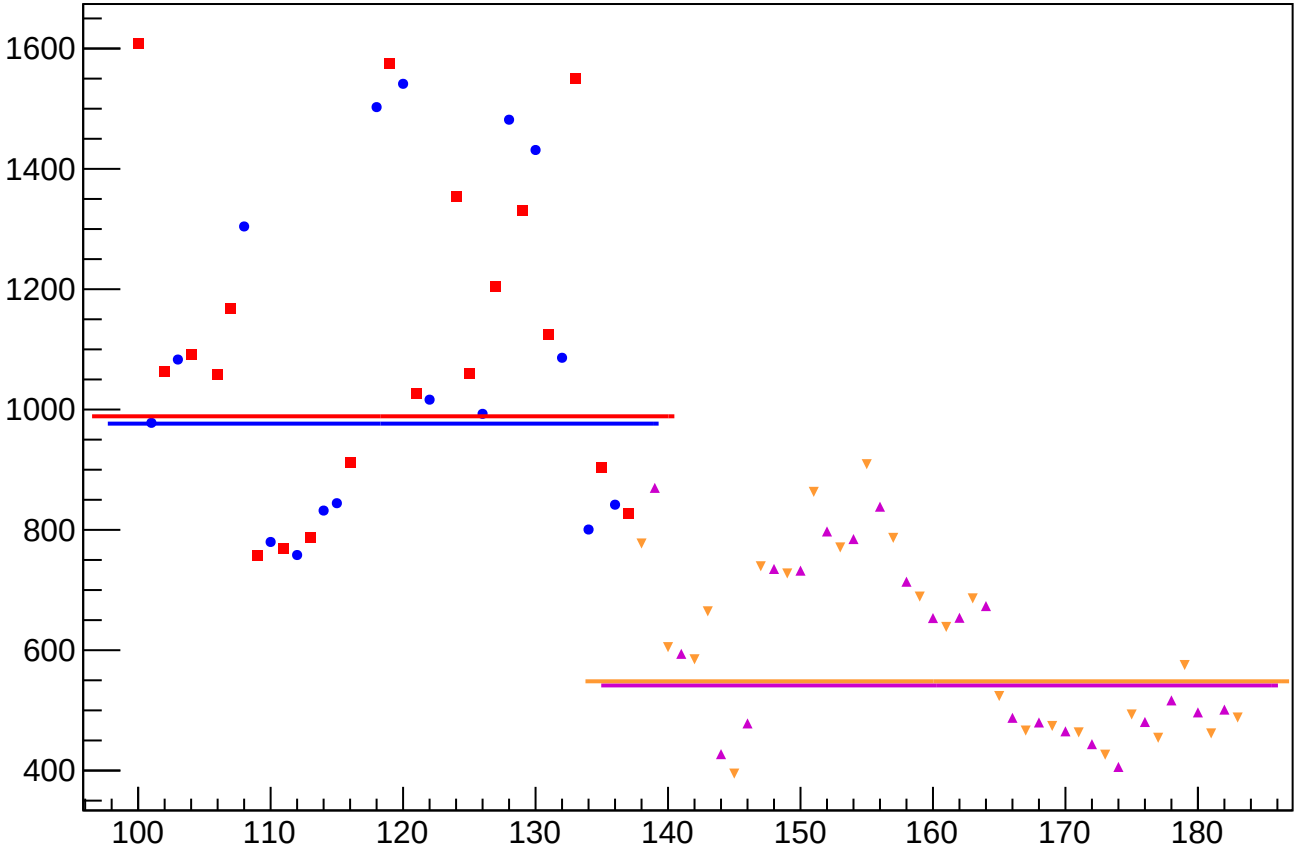
Left In: -106.493+/-131.461 χ^2/NDF:25.5/21

+ sign -551.076+/-122.388 χ^2/NDF: 90.8/39

All: -373.706+/-87.091 χ^2/NDF: 137.5/80

- sign -191.755+/-123.958 χ^2/NDF: 42.4/40

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 548.323+/-0.092 χ^2/NDF:2038001.2/23

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

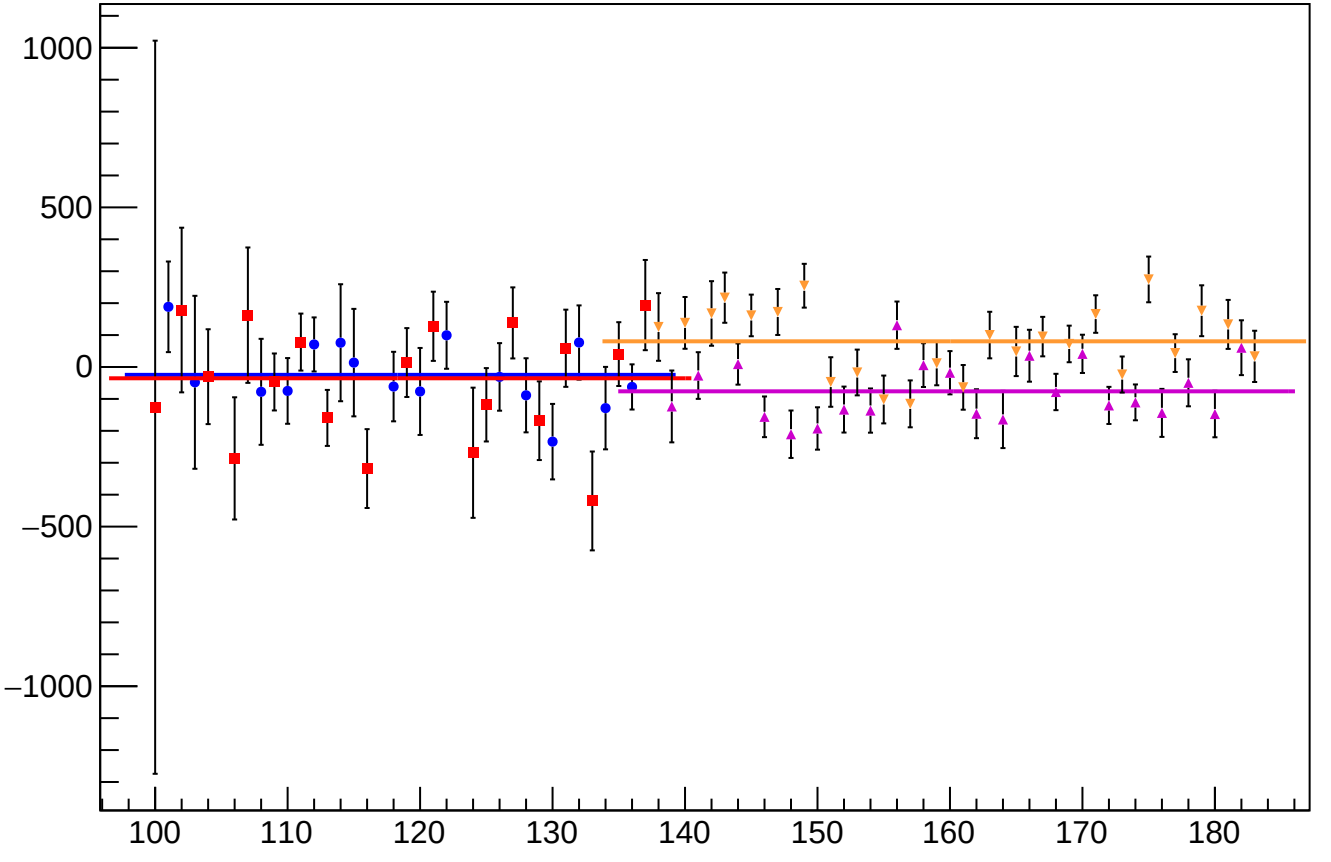
Left In: 541.498+/-0.093 χ^2/NDF:1840332.0/21

+ sign 593.933+/-0.087 χ^2/NDF: 5104875.3/39

All: 592.533+/-0.062 χ^2/NDF: 10228710.0/80

- sign 591.097+/-0.088 χ^2/NDF: 5123304.6/40

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.446+/-14.480 χ^2/NDF:52.7/23

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

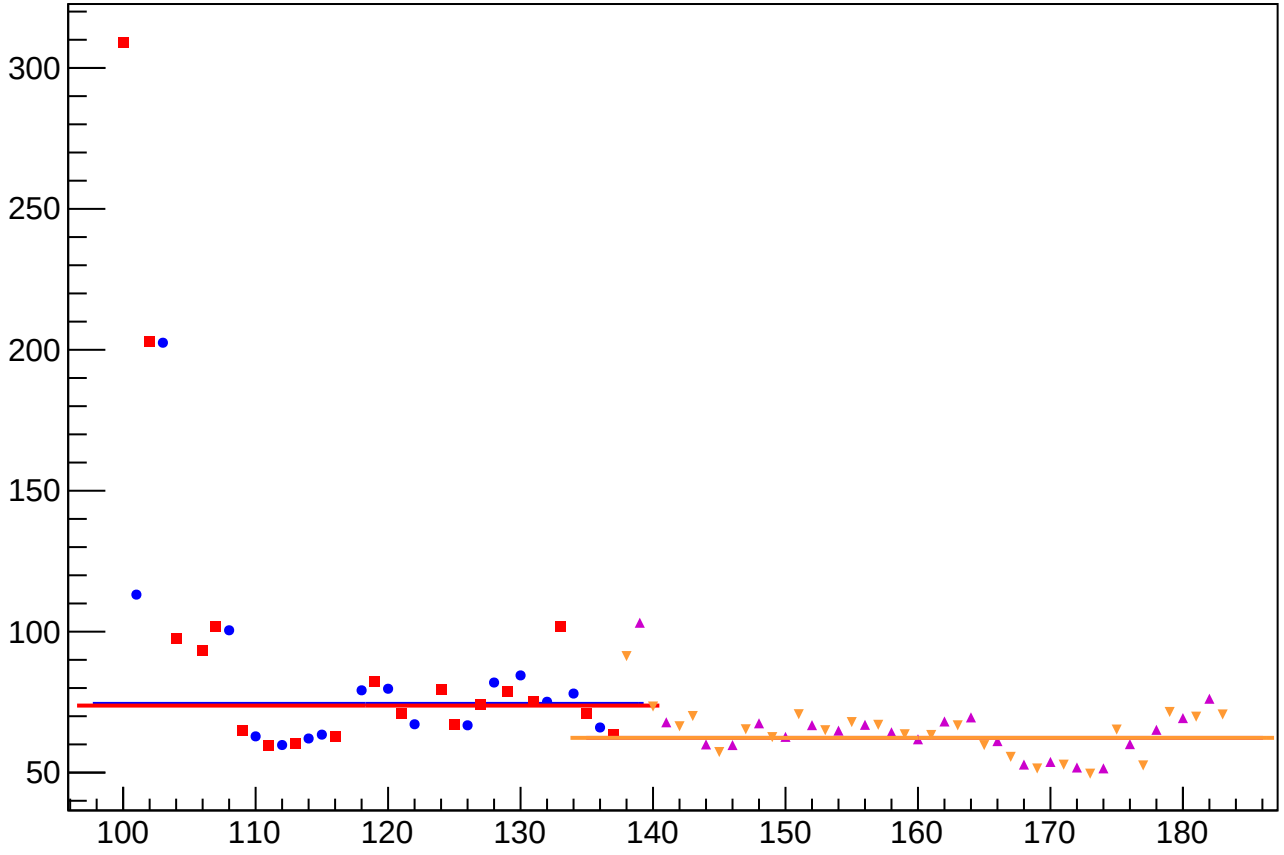
Left In: -76.219+/-14.897 χ^2/NDF:34.6/21

+ sign 59.373+/-12.947 χ^2/NDF: 74.3/39

All: -2.815+/-9.242 χ^2/NDF: 187.6/80

- sign -67.436+/-13.198 χ^2/NDF: 66.2/40

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.322+/-0.010 χ^2/NDF:656190.5/23

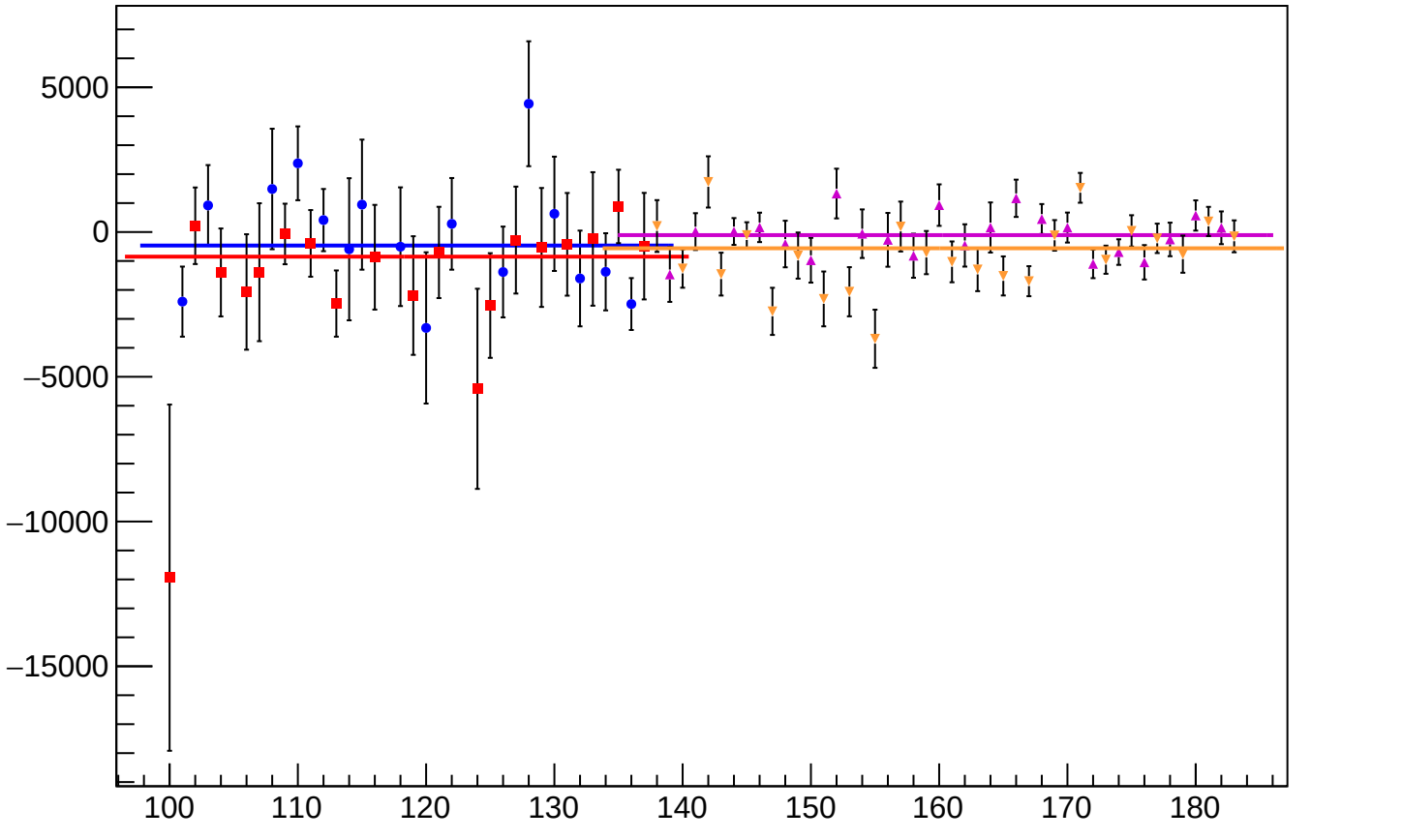
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.295+/-0.011 χ^2/NDF:646865.8/21

+ sign 64.738+/-0.009 χ^2/NDF: 1761355.7/39

All: 64.751+/-0.007 χ^2/NDF: 3591775.5/80

- sign 64.764+/-0.009 χ^2/NDF: 1830415.9/40



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -561.153+/-129.477 χ^2/NDF:67.1/23

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

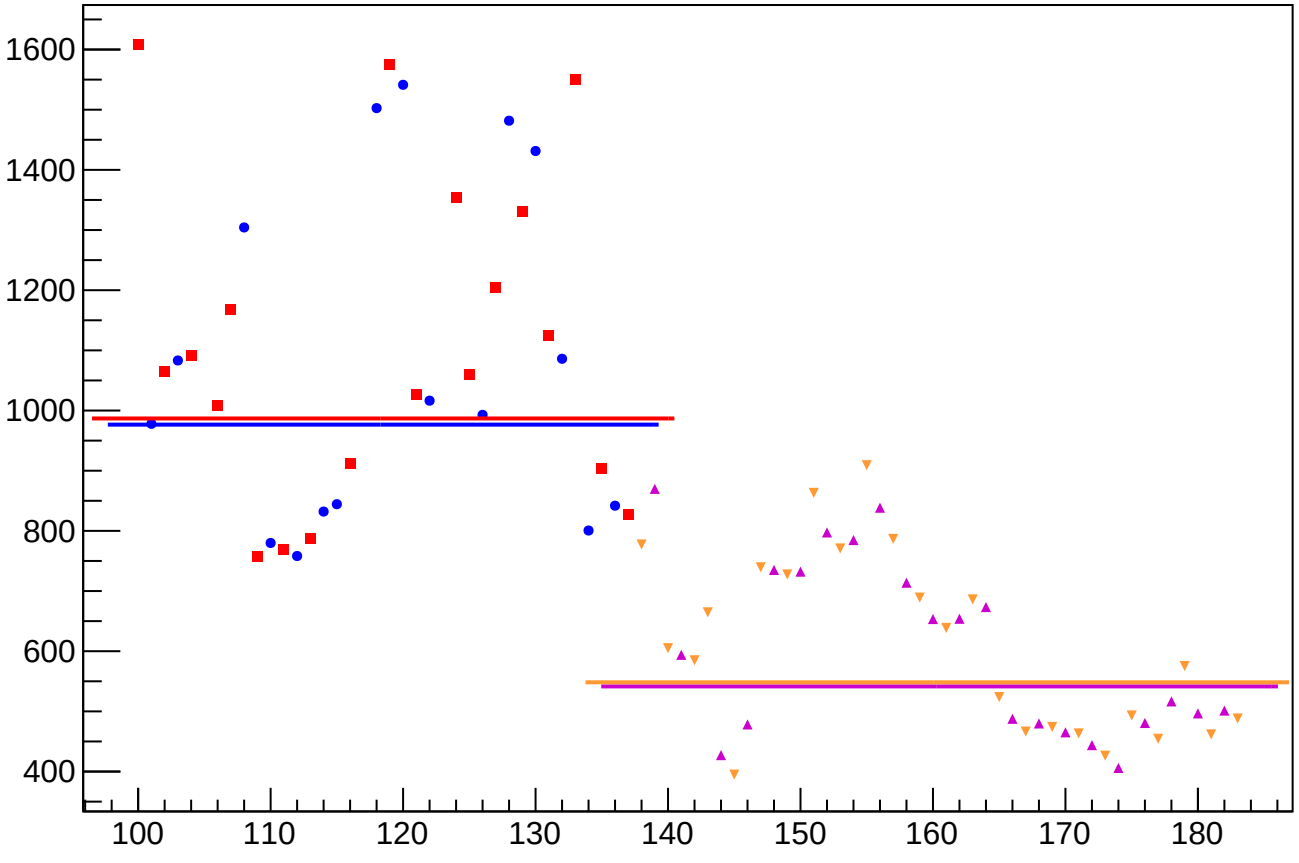
Left In: -106.493+/-131.462 χ^2/NDF:25.5/21

+ sign -551.074+/-122.388 χ^2/NDF: 90.8/39

All: -372.238+/-87.102 χ^2/NDF: 136.8/80

- sign -188.692+/-123.990 χ^2/NDF: 41.7/40

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 548.323+/-0.092 χ^2/NDF:2037999.9/23

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

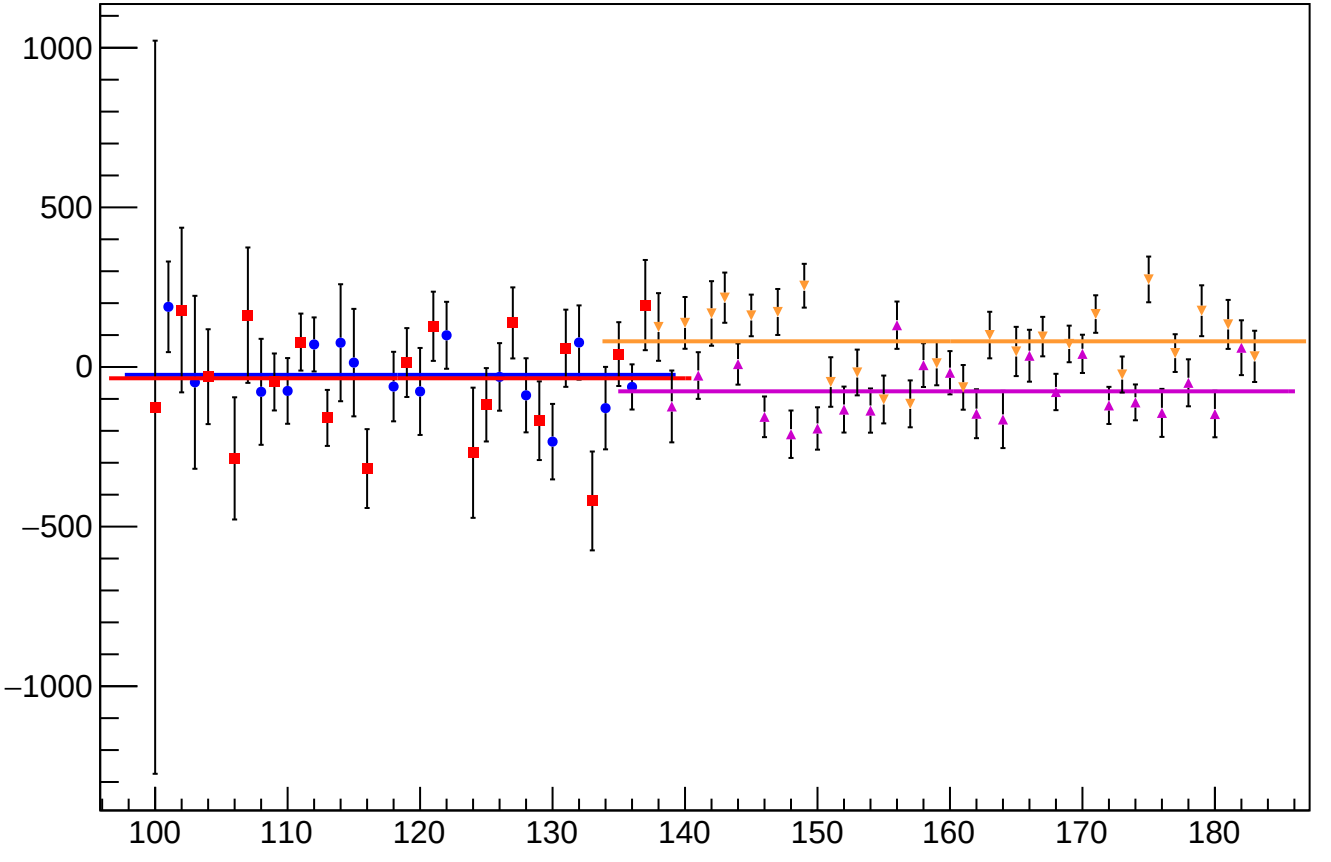
Left In: 541.498+/-0.093 χ^2/NDF:1840332.0/21

+ sign 593.932+/-0.087 χ^2/NDF: 5104934.2/39

All: 592.328+/-0.062 χ^2/NDF: 10193981.1/80

- sign 590.681+/-0.088 χ^2/NDF: 5088350.2/40

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.446+/-14.480 χ^2/NDF:52.7/23

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

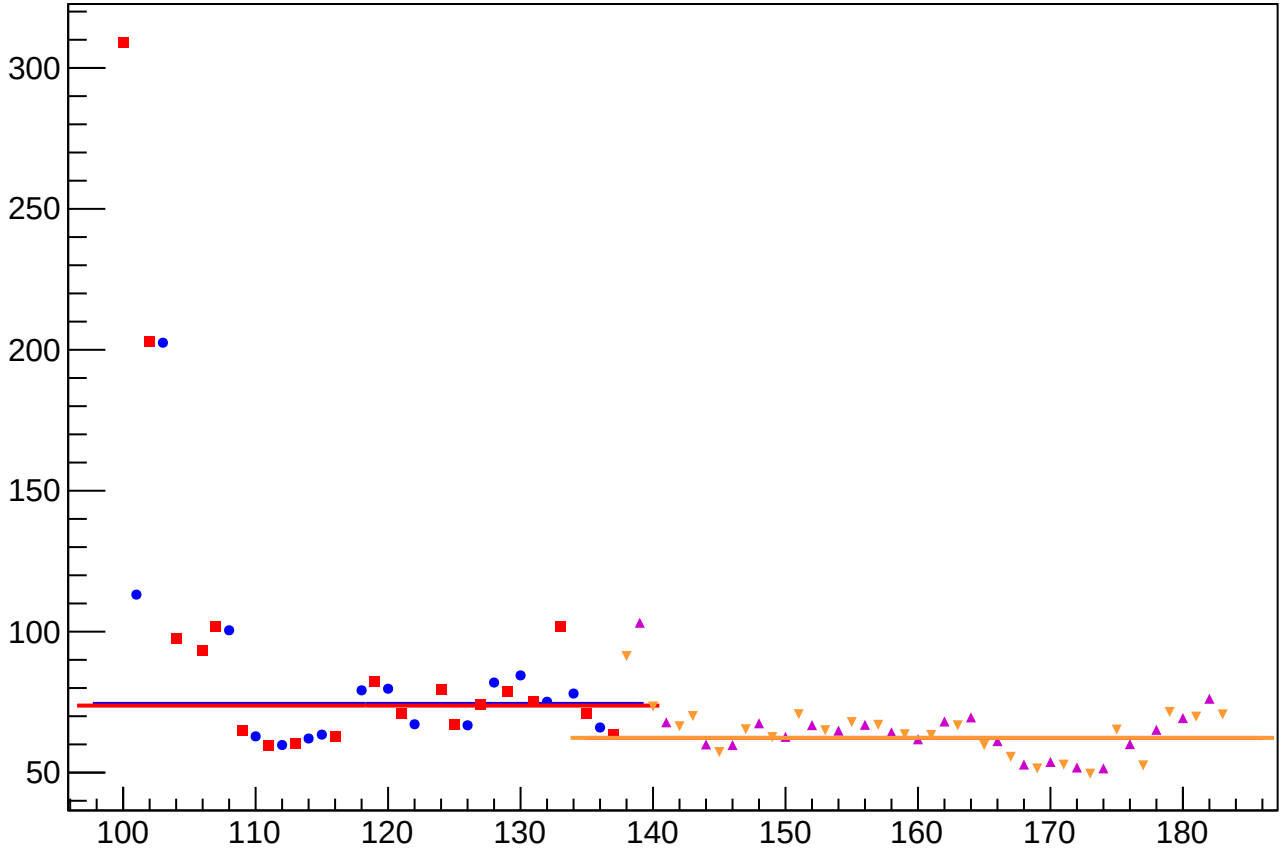
Left In: -76.219+/-14.897 χ^2/NDF:34.6/21

+ sign 59.373+/-12.947 χ^2/NDF: 74.3/39

All: -2.815+/-9.242 χ^2/NDF: 187.6/80

- sign -67.436+/-13.198 χ^2/NDF: 66.2/40

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.322+/-0.010 χ^2/NDF:656190.5/23

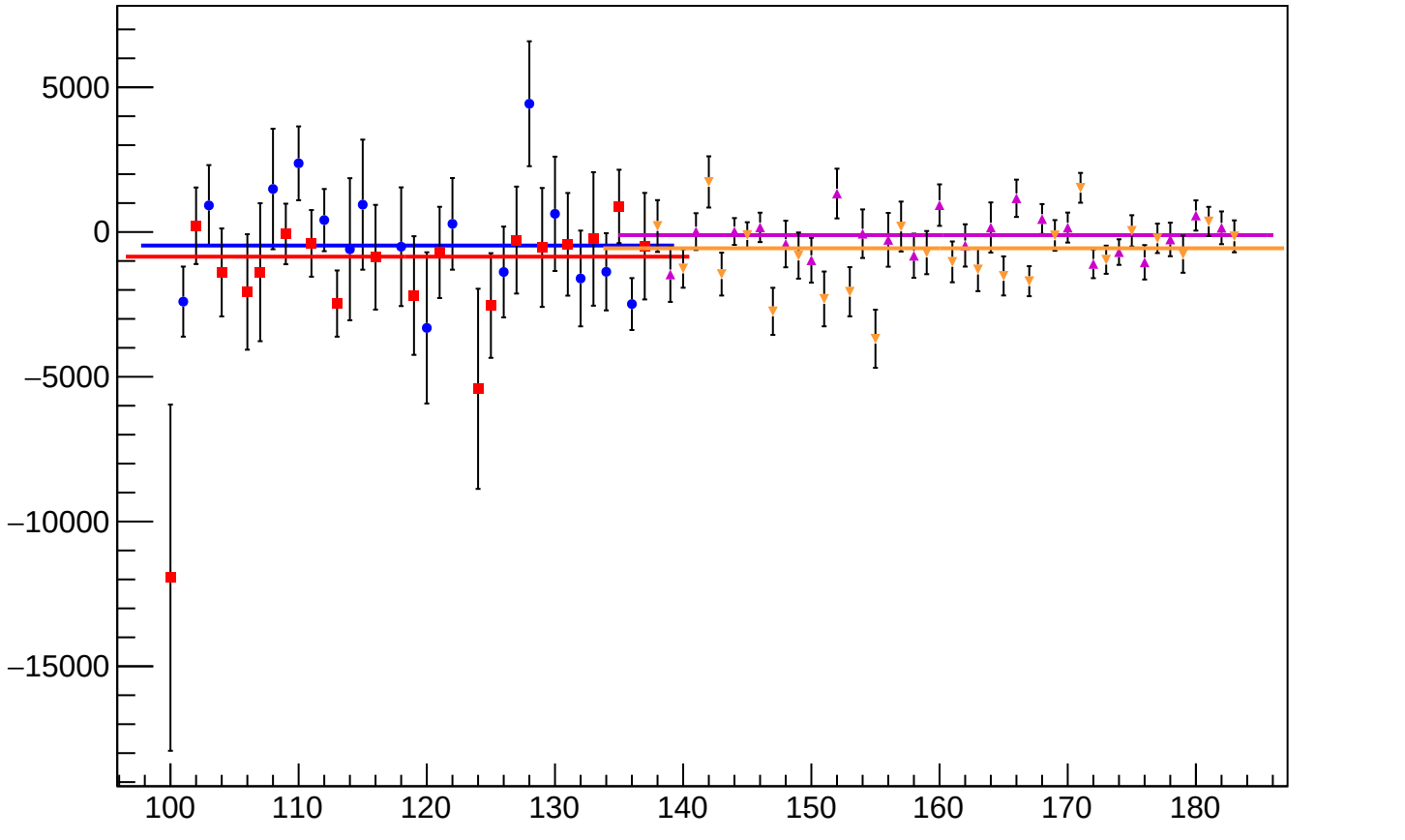
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.295+/-0.011 χ^2/NDF:646865.8/21

+ sign 64.738+/-0.009 χ^2/NDF: 1761355.7/39

All: 64.751+/-0.007 χ^2/NDF: 3591775.5/80

- sign 64.764+/-0.009 χ^2/NDF: 1830415.9/40



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -561.153+/-129.477 χ^2/NDF:67.1/23

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

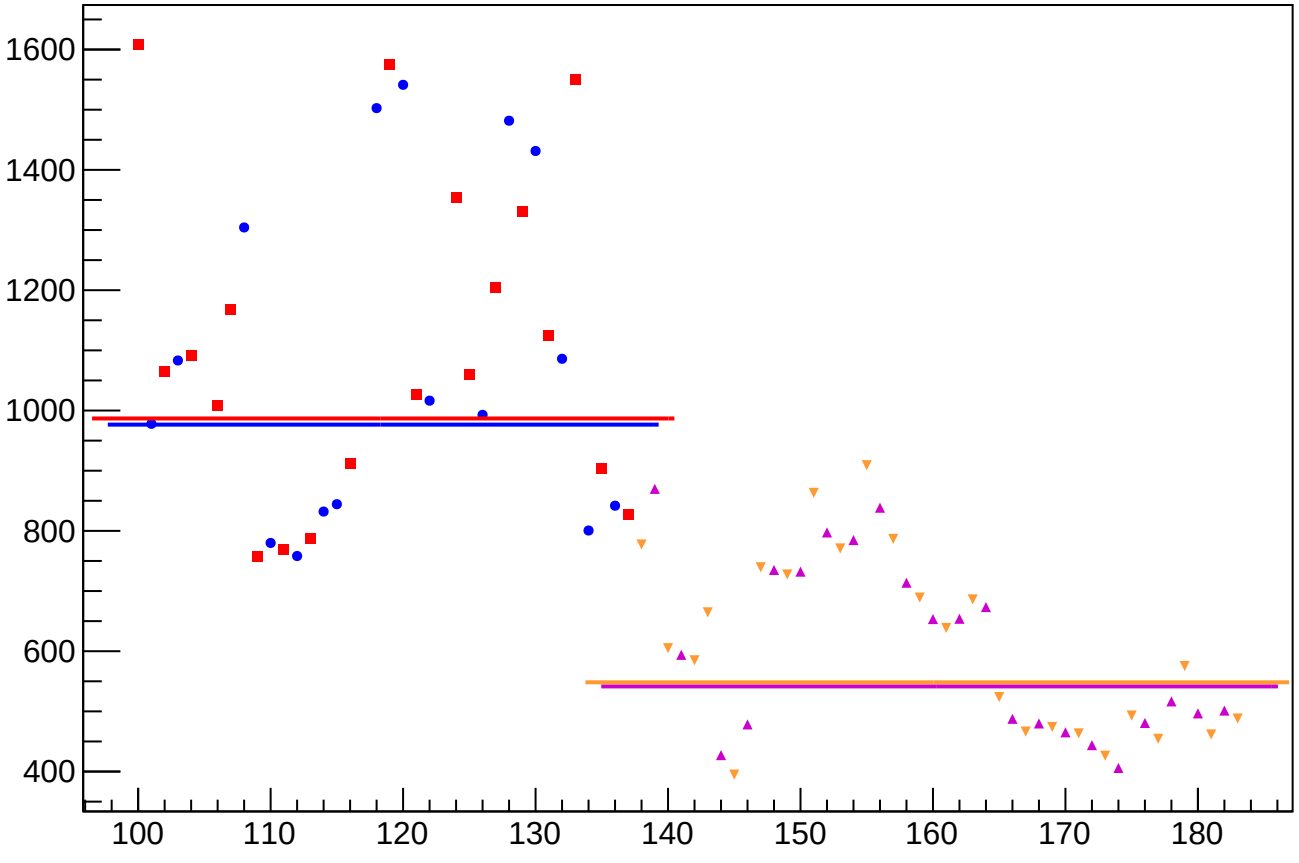
Left In: -106.493+/-131.462 χ^2/NDF:25.5/21

+ sign -551.074+/-122.388 χ^2/NDF: 90.8/39

All: -372.238+/-87.102 χ^2/NDF: 136.8/80

- sign -188.692+/-123.990 χ^2/NDF: 41.7/40

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 548.323+/-0.092 χ^2/NDF:2037999.9/23

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

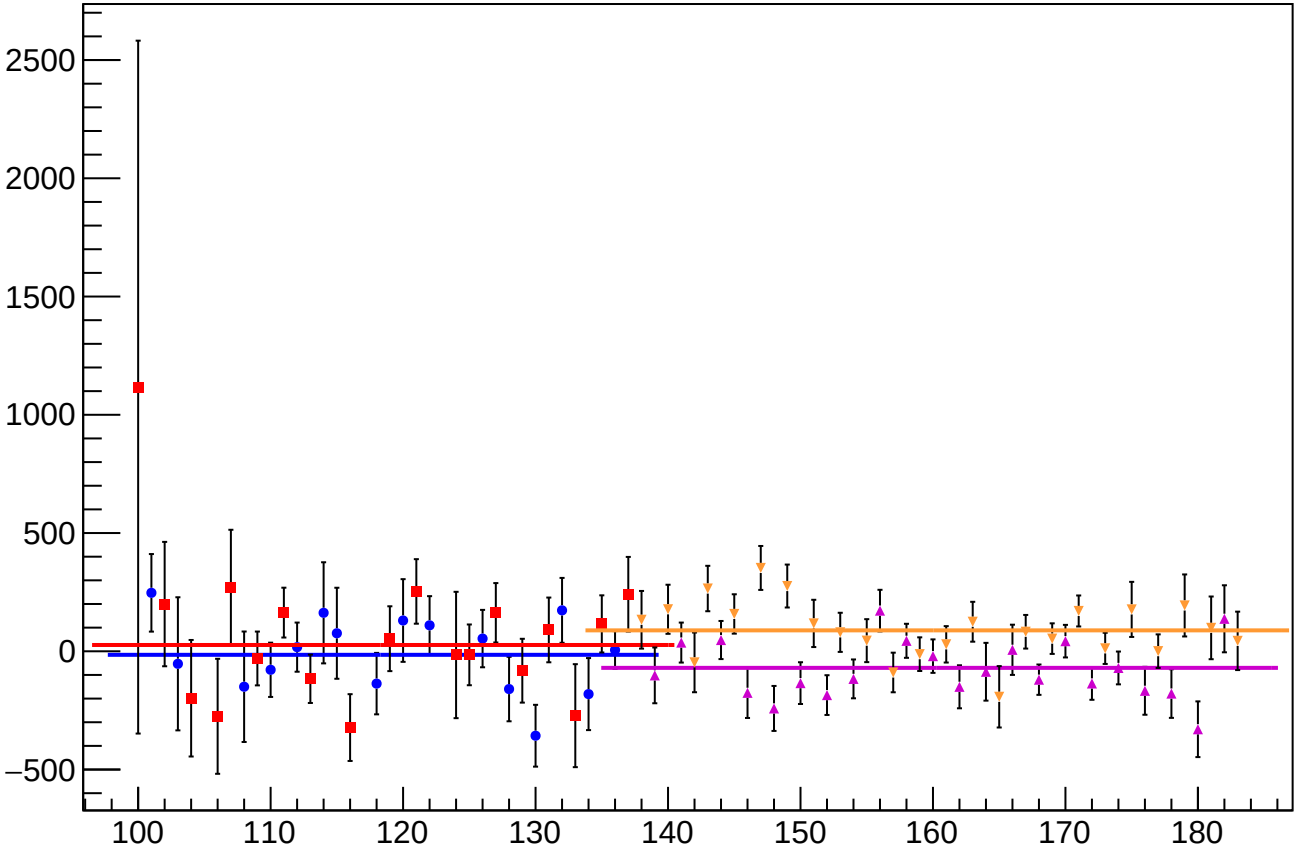
Left In: 541.498+/-0.093 χ^2/NDF:1840332.0/21

+ sign 593.932+/-0.087 χ^2/NDF: 5104934.2/39

All: 592.328+/-0.062 χ^2/NDF: 10193981.1/80

- sign 590.681+/-0.088 χ^2/NDF: 5088350.2/40

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 88.459+/-17.837 χ^2/NDF:36.9/23

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

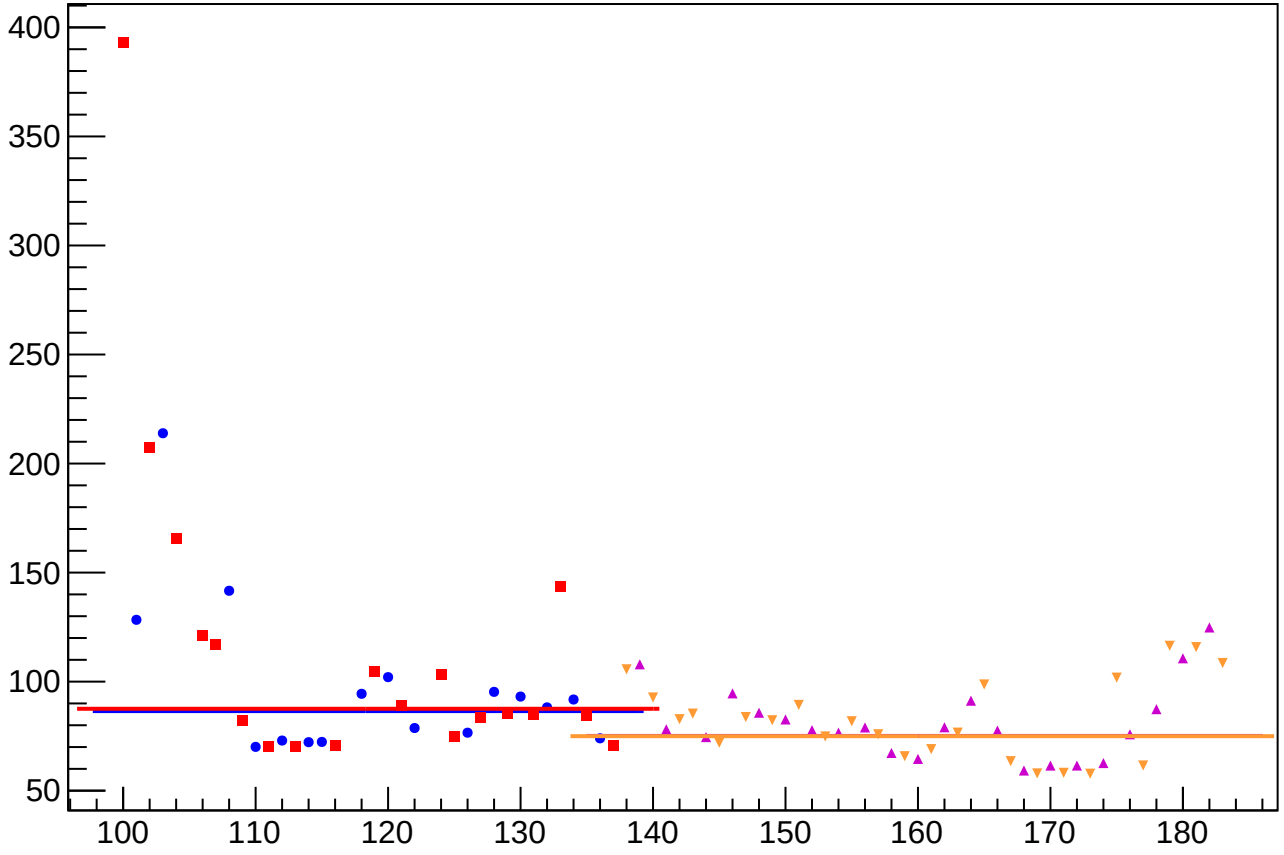
Left In: -70.081+/-18.359 χ^2/NDF:35.9/21

+ sign 65.891+/-15.771 χ^2/NDF: 62.4/39

All: 10.184+/-11.288 χ^2/NDF: 153.8/80

- sign -48.316+/-16.162 χ^2/NDF: 65.8/40

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 74.987+/-0.013 χ^2/NDF:1589383.0/23

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

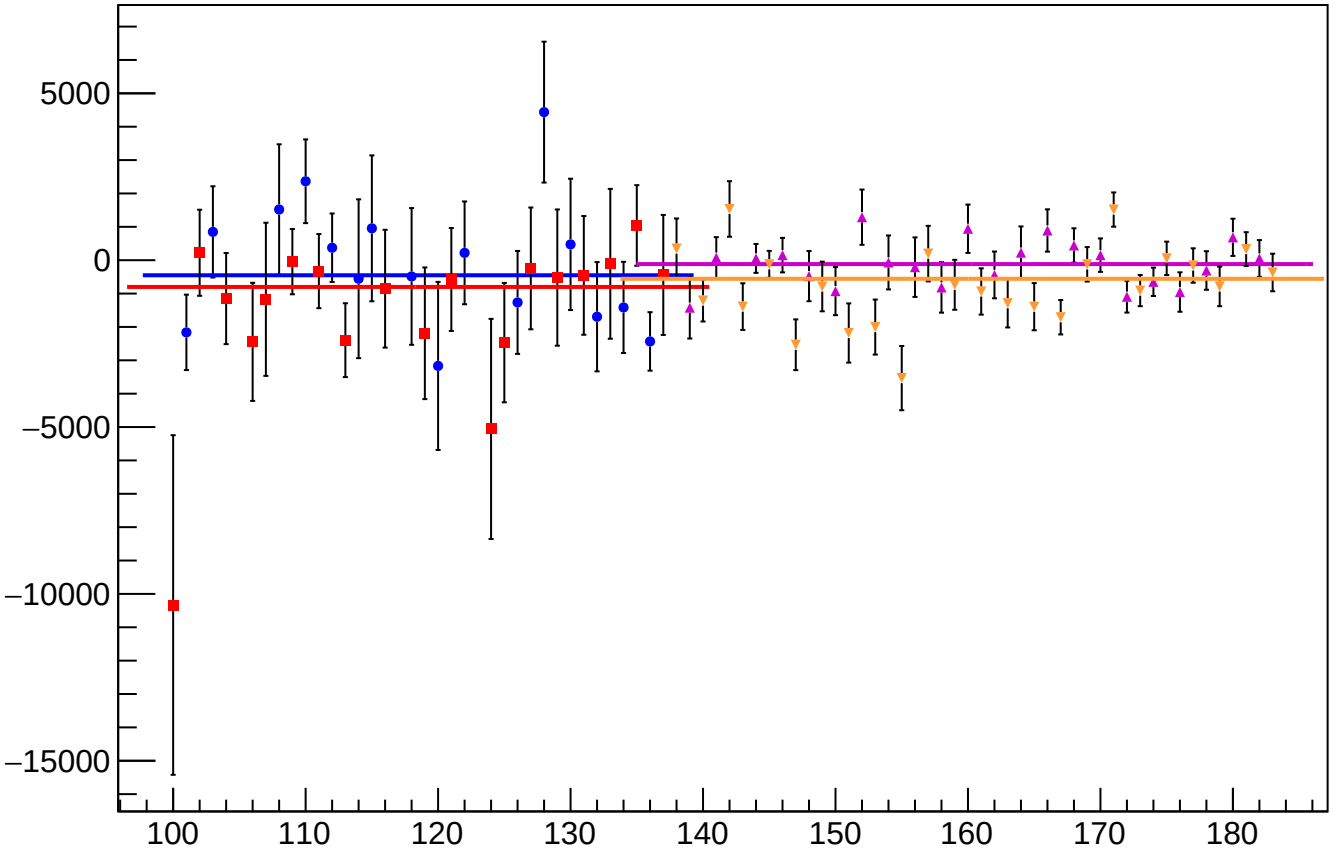
Left In: 75.097+/-0.013 χ^2/NDF:1178514.7/21

+ sign 77.497+/-0.011 χ^2/NDF: 2627128.6/39

All: 77.693+/-0.008 χ^2/NDF: 5143285.6/80

- sign 77.900+/-0.011 χ^2/NDF: 2515521.1/40

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -557.271+/-125.502 χ^2/NDF:65.4/23

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

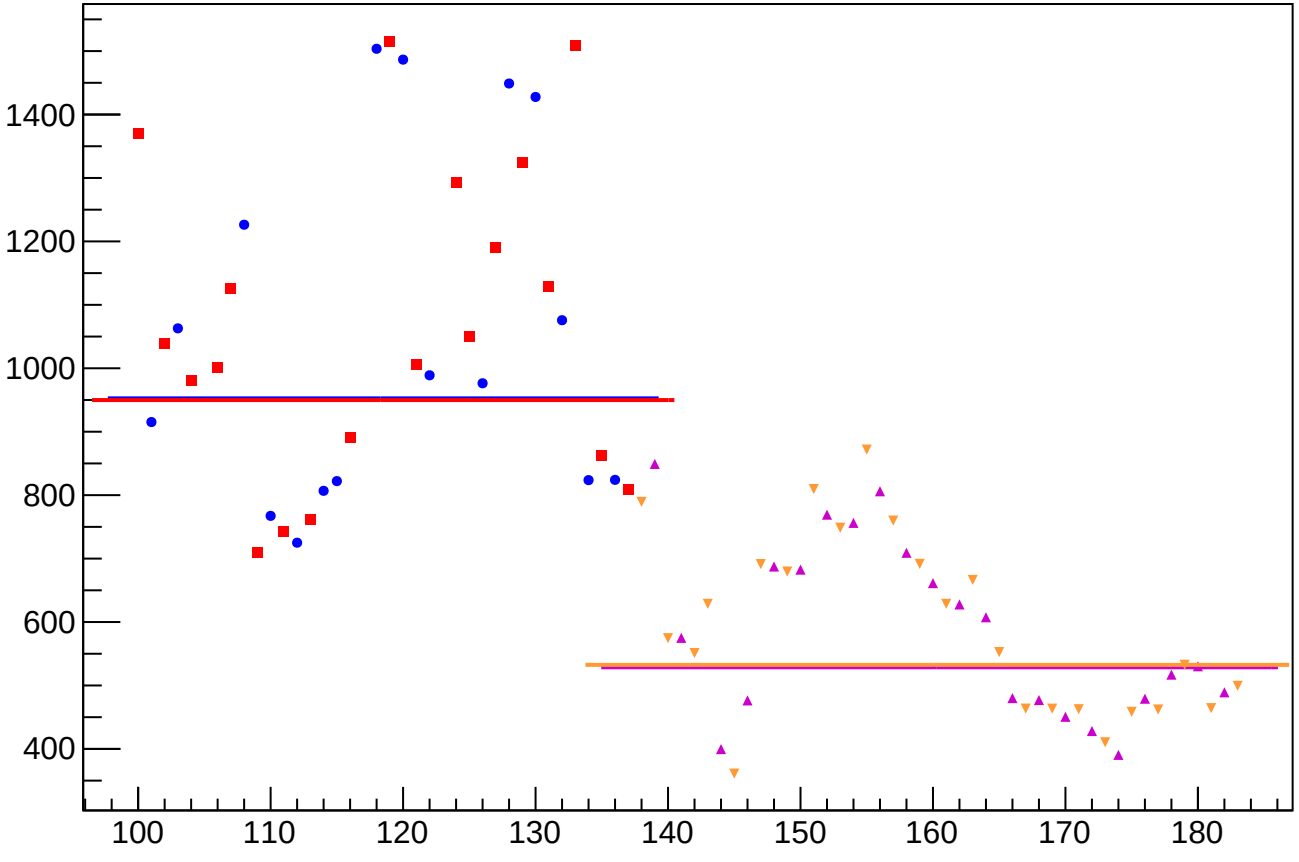
Left In: -116.375+/-128.303 χ^2/NDF:24.3/21

+ sign -546.108+/-118.703 χ^2/NDF: 89.2/39

All: -373.286+/-84.659 χ^2/NDF: 134.7/80

- sign -194.376+/-120.775 χ^2/NDF: 41.2/40

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 532.486+/-0.089 χ^2/NDF:2034825.9/23

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

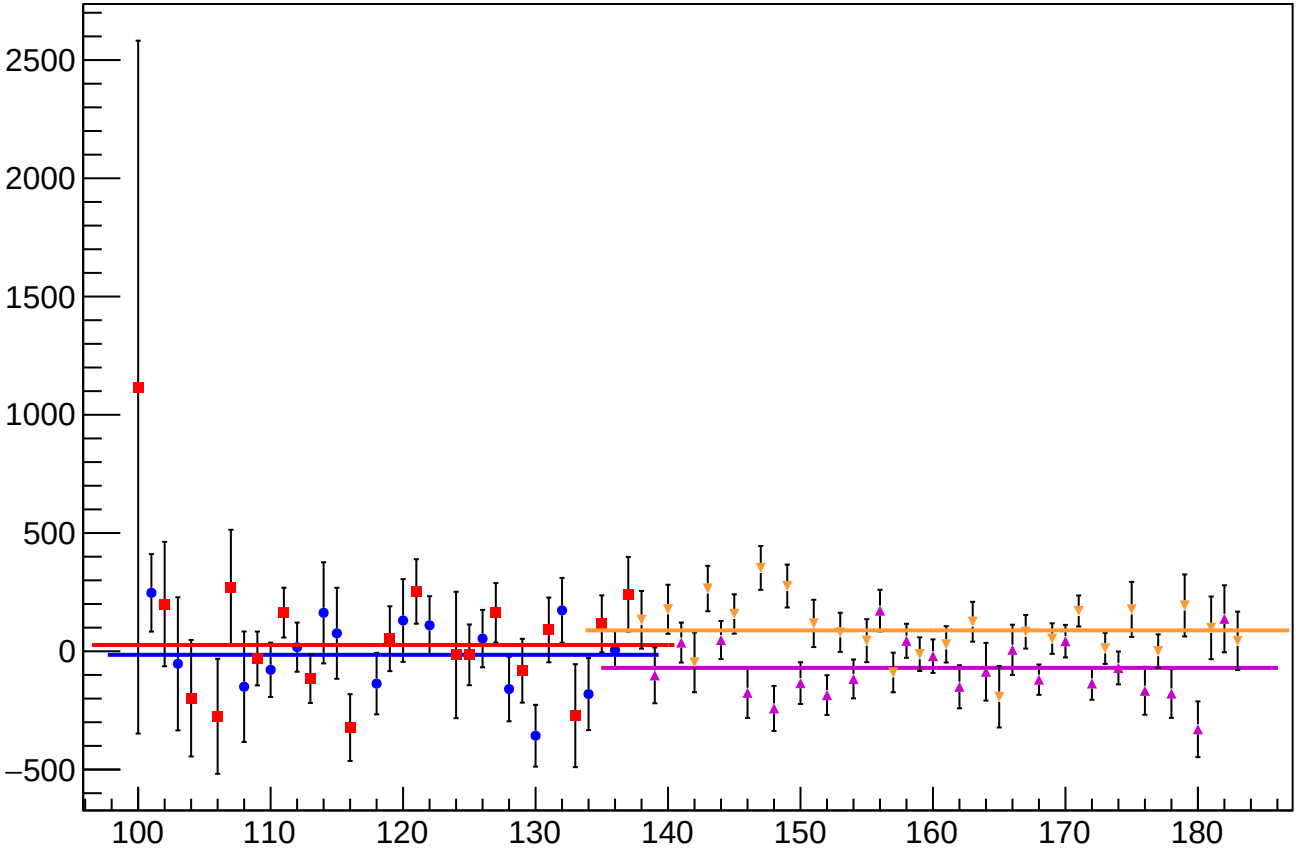
Left In: 528.653+/-0.091 χ^2/NDF:1797699.3/21

+ sign 576.767+/-0.084 χ^2/NDF: 5143064.4/39

All: 576.700+/-0.060 χ^2/NDF: 10147884.9/80

- sign 576.631+/-0.085 χ^2/NDF: 5004819.2/40

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 88.459+/-17.837 χ^2/NDF:36.9/23

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

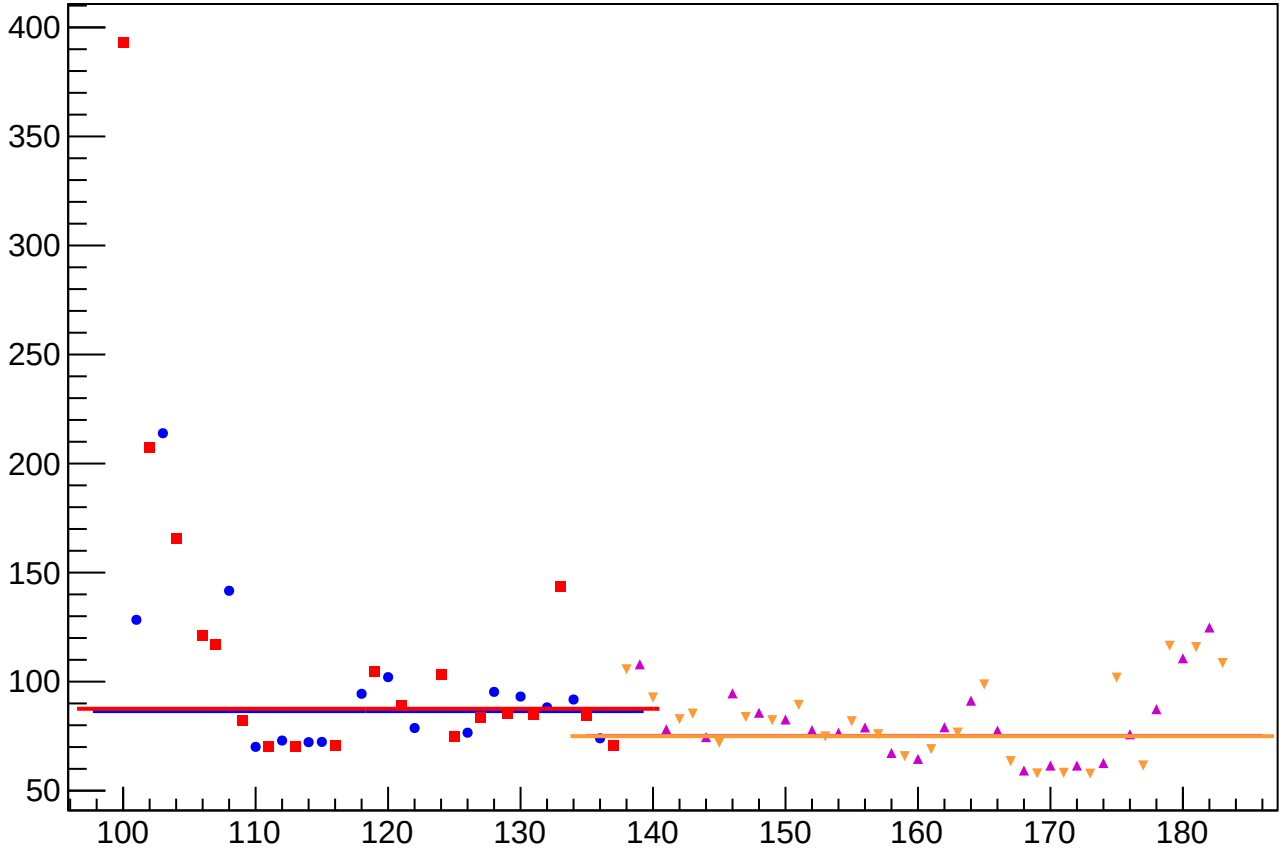
Left In: -70.080+/-18.359 χ^2/NDF:35.9/21

+ sign 65.891+/-15.771 χ^2/NDF: 62.4/39

All: 10.185+/-11.288 χ^2/NDF: 153.8/80

- sign -48.315+/-16.162 χ^2/NDF: 65.8/40

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 74.987+/-0.013 χ^2/NDF:1589384.0/23

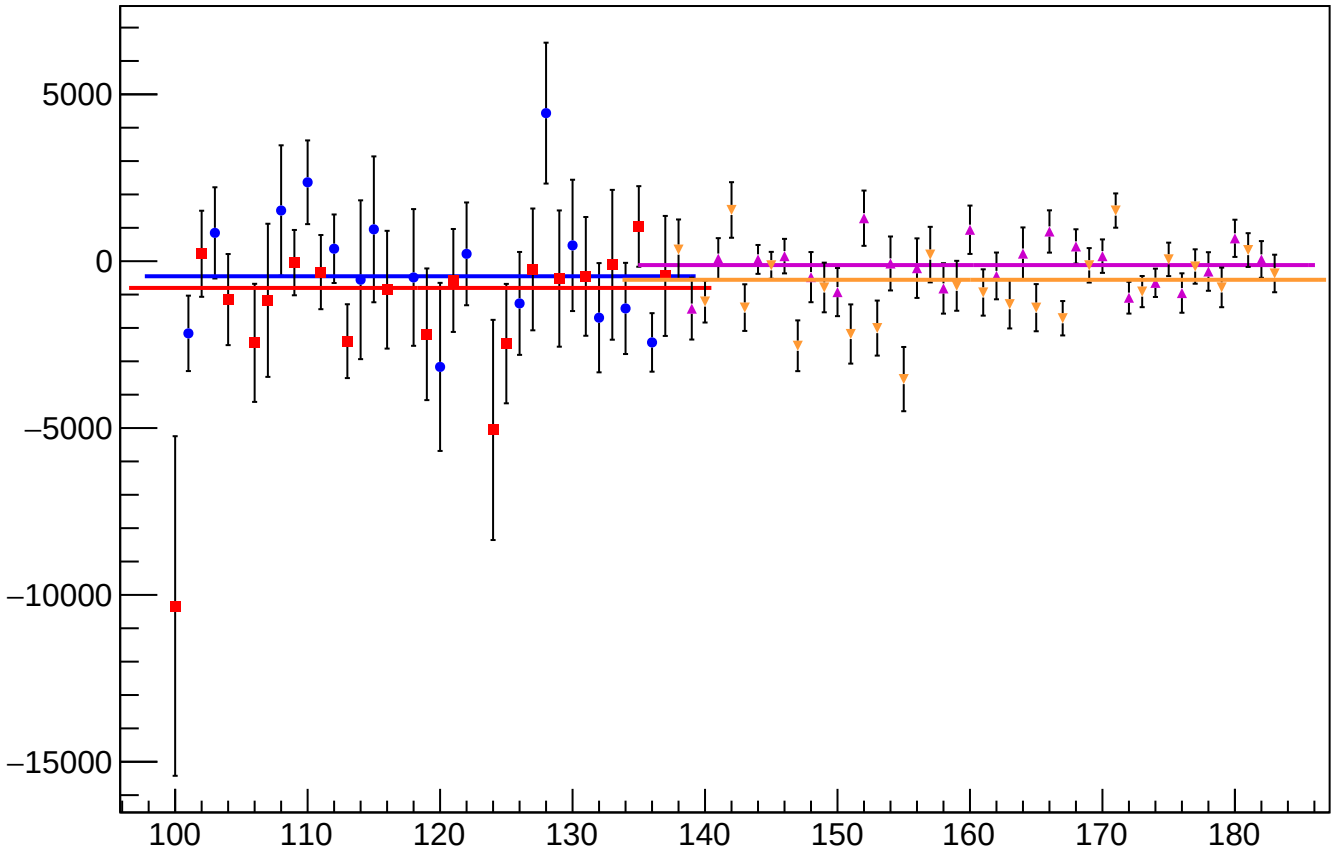
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 75.097+/-0.013 χ^2/NDF:1178516.6/21

+ sign 77.497+/-0.011 χ^2/NDF: 2627123.6/39

All: 77.694+/-0.008 χ^2/NDF: 5143285.9/80

- sign 77.900+/-0.011 χ^2/NDF: 2515526.5/40



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -557.271+/-125.502 χ^2/NDF:65.4/23

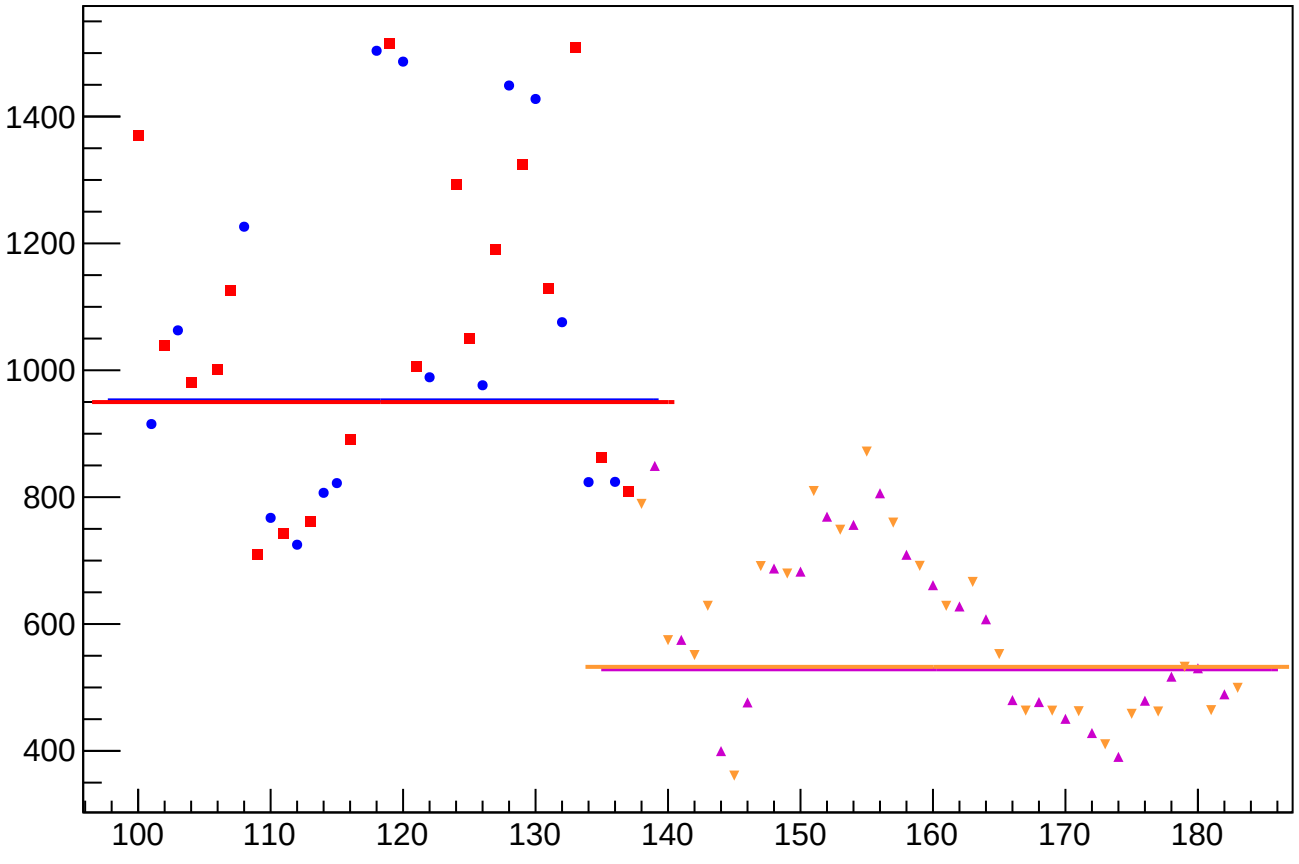
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -116.375+/-128.303 χ^2/NDF:24.3/21

+ sign -546.109+/-118.703 χ^2/NDF: 89.2/39

All: -373.286+/-84.659 χ^2/NDF: 134.7/80

- sign -194.376+/-120.775 χ^2/NDF: 41.2/40



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 532.486+/-0.089 χ^2/NDF:2034820.9/23

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

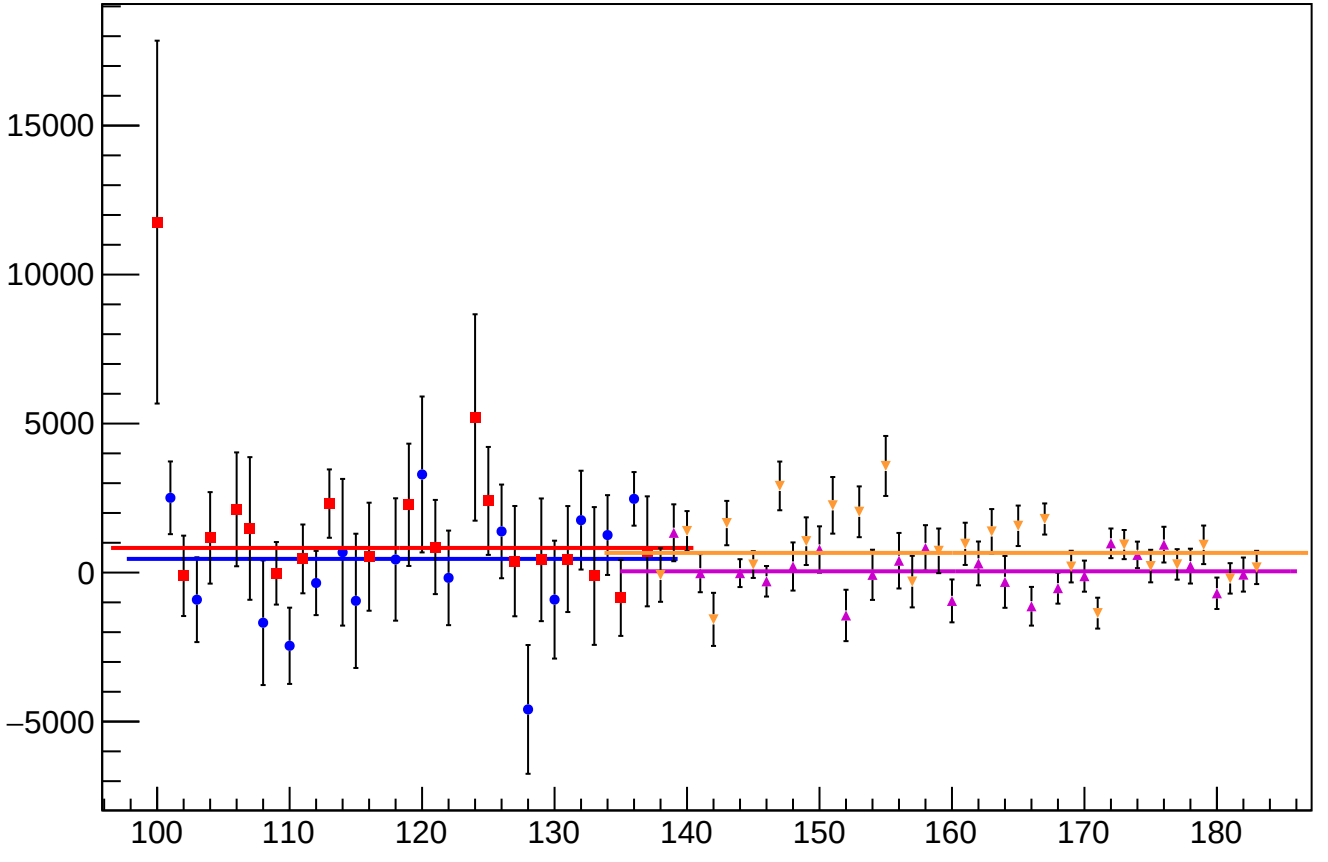
Left In: 528.652+/-0.091 χ^2/NDF:1797693.6/21

+ sign 576.766+/-0.084 χ^2/NDF: 5143053.1/39

All: 576.700+/-0.060 χ^2/NDF: 10147857.3/80

- sign 576.631+/-0.085 χ^2/NDF: 5004802.9/40

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 660.534+/-130.415 χ^2/NDF:62.5/23

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

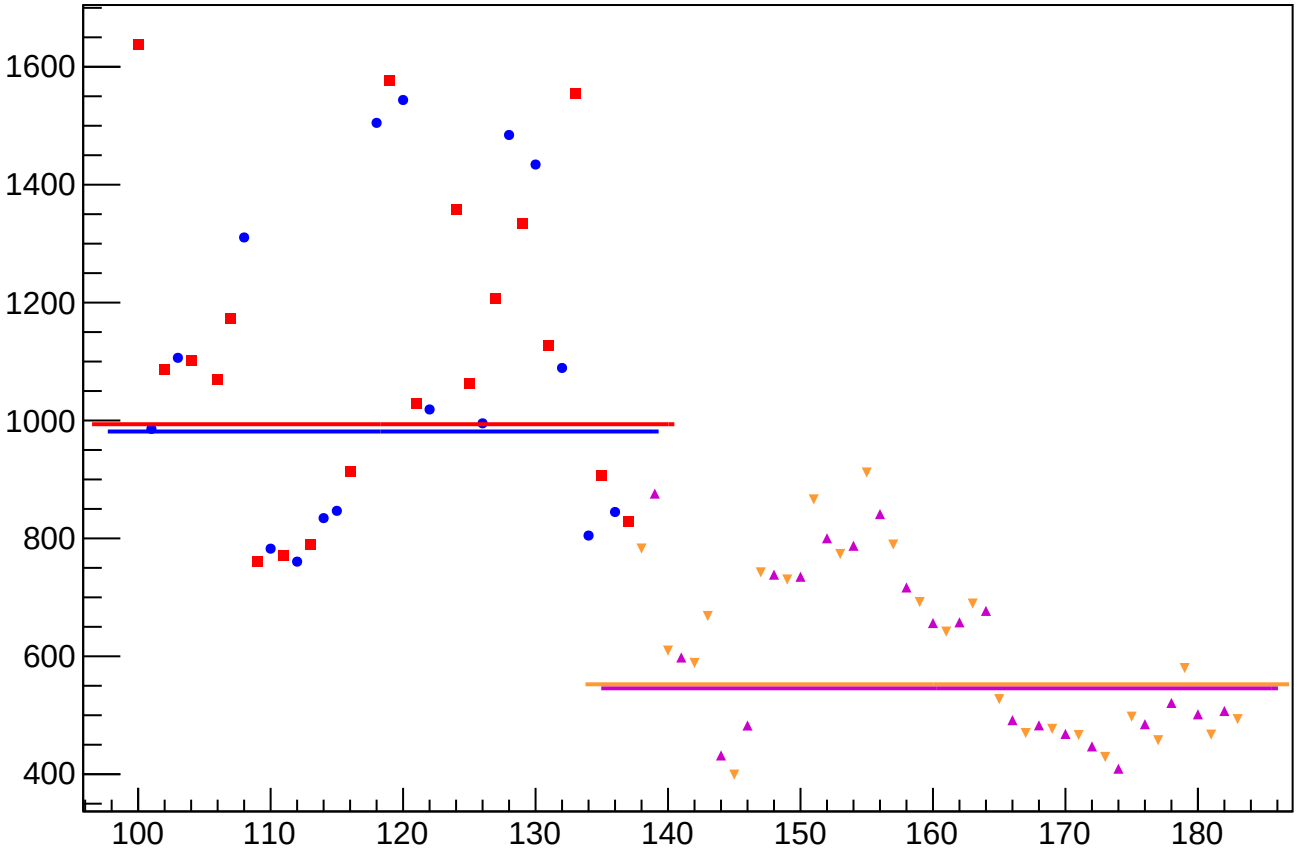
Left In: 42.354+/-132.436 χ^2/NDF:23.5/21

+ sign 638.996+/-123.245 χ^2/NDF: 87.3/39

All: 387.605+/-87.709 χ^2/NDF: 134.8/80

- sign 129.626+/-124.849 χ^2/NDF: 39.1/40

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 552.524+/-0.092 χ^2/NDF:2007994.3/23

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

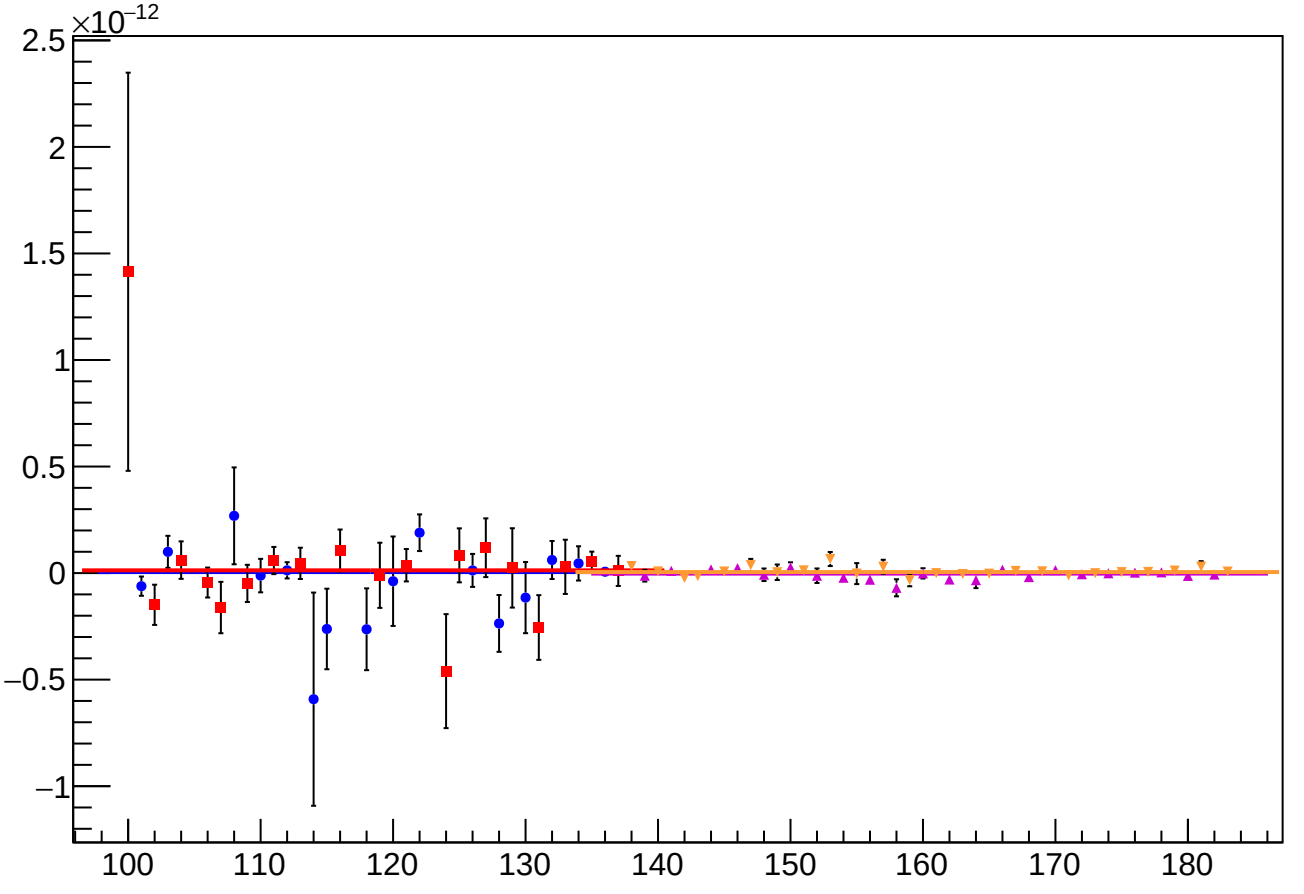
Left In: 545.726+/-0.094 χ^2/NDF:1814506.1/21

+ sign 598.383+/-0.087 χ^2/NDF: 5058113.4/39

All: 597.000+/-0.062 χ^2/NDF: 10139492.8/80

- sign 595.580+/-0.088 χ^2/NDF: 5080869.0/40

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/23

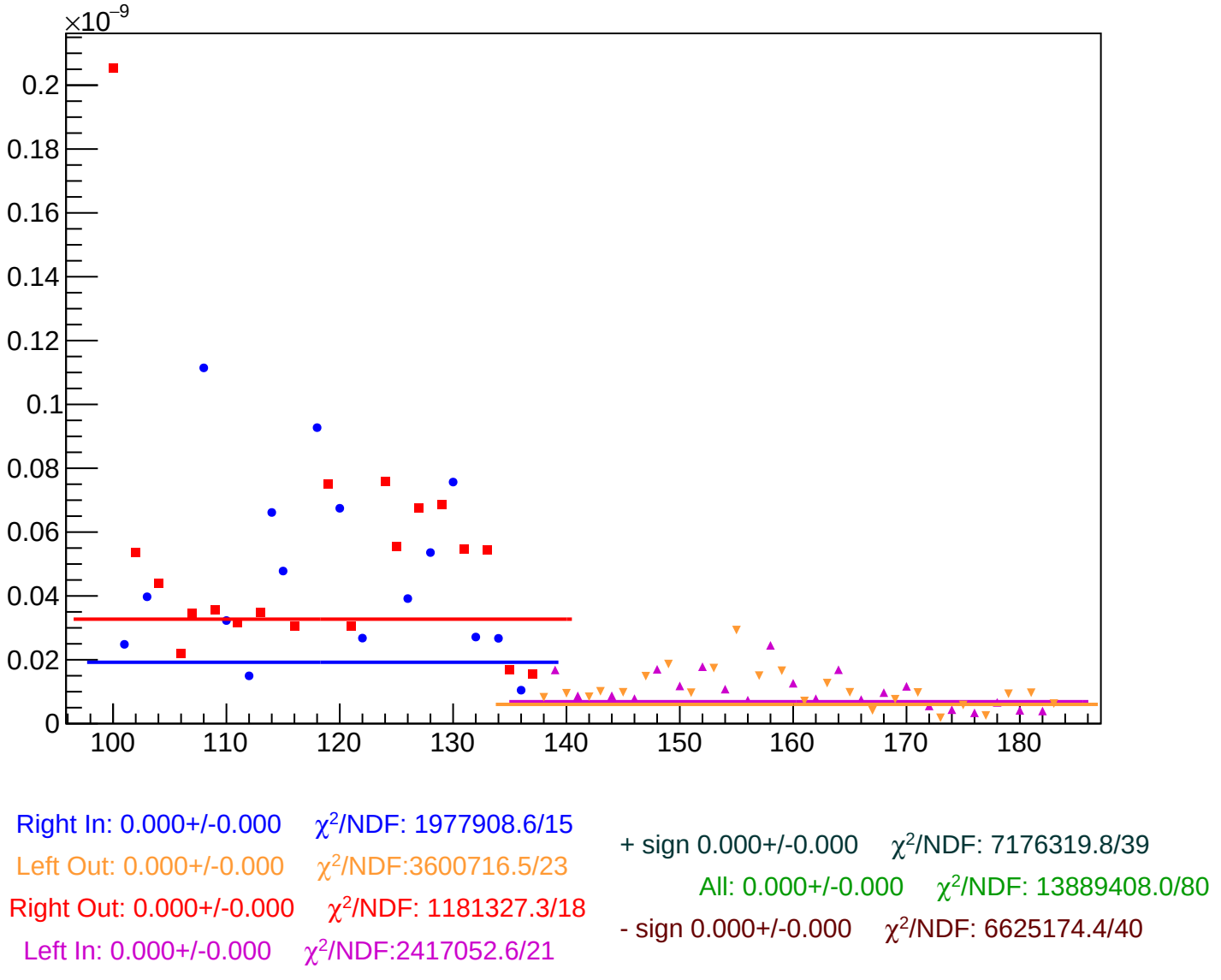
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/21

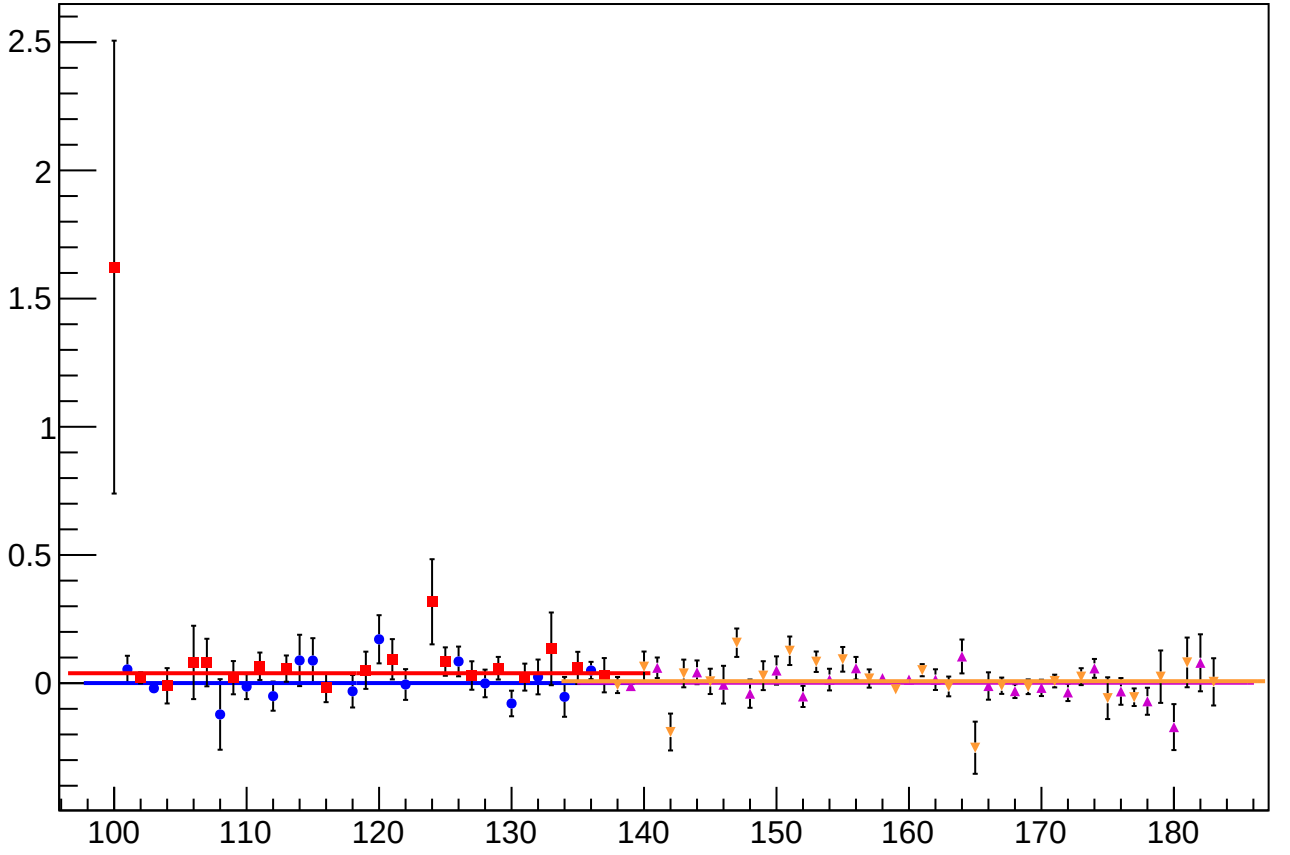
+ sign 0.000+/-0.000 χ^2/NDF: 35.1/39

All: 0.000+/-0.000 χ^2/NDF: 76.3/80

- sign -0.000+/-0.000 χ^2/NDF: 38.9/40


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×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
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3600716.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:2417052.6/21
+ sign 0.000+/-0.000 χ²/NDF: 7176319.8/39
All: 0.000+/-0.000 χ²/NDF: 13889408.0/80
- sign 0.000+/-0.000 χ²/NDF: 6625174.4/40

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/23

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

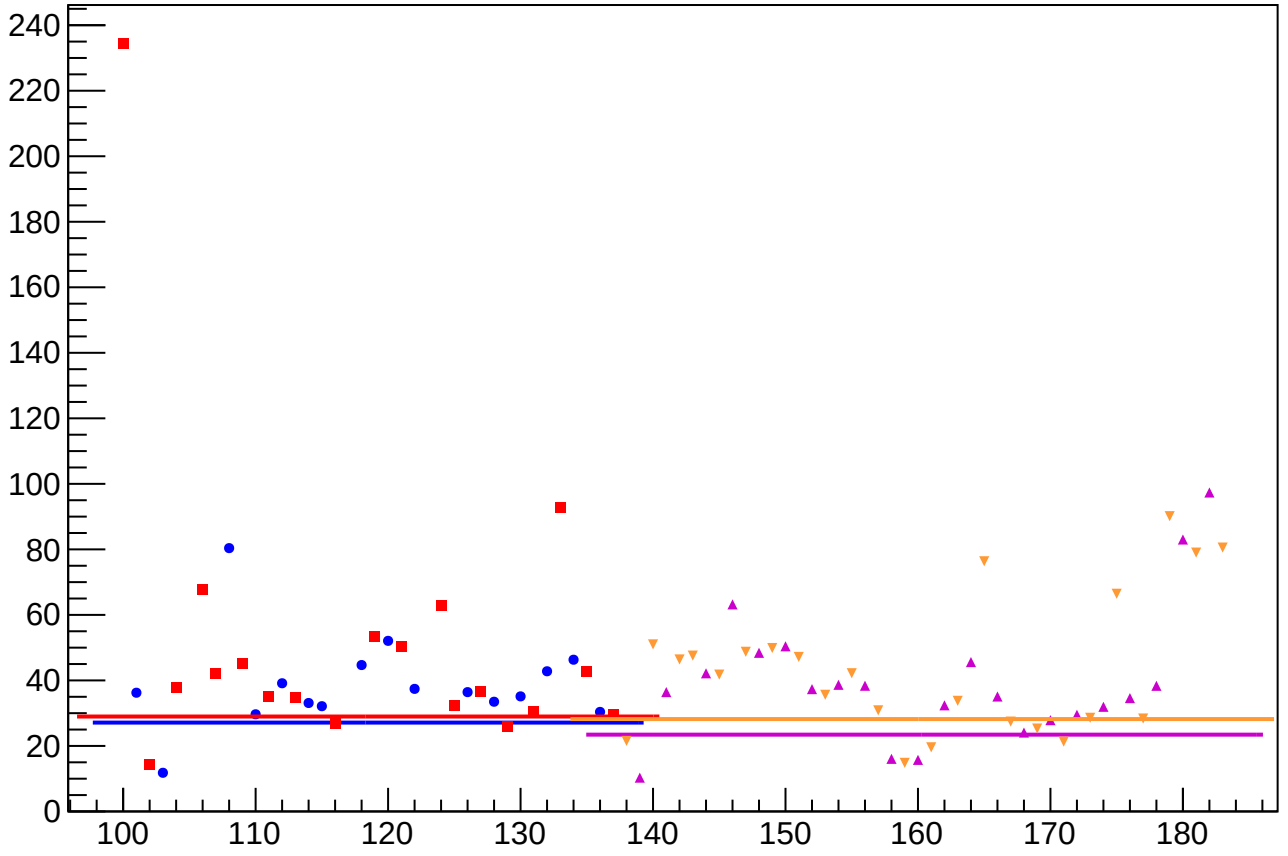
Left In: 0.002+/-0.007 χ^2/NDF:24.6/21

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/39

All: 0.008+/-0.004 χ^2/NDF: 106.8/80

- sign 0.010+/-0.006 χ^2/NDF: 42.3/40

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.200+/-0.005 χ^2/NDF:6596387.7/23

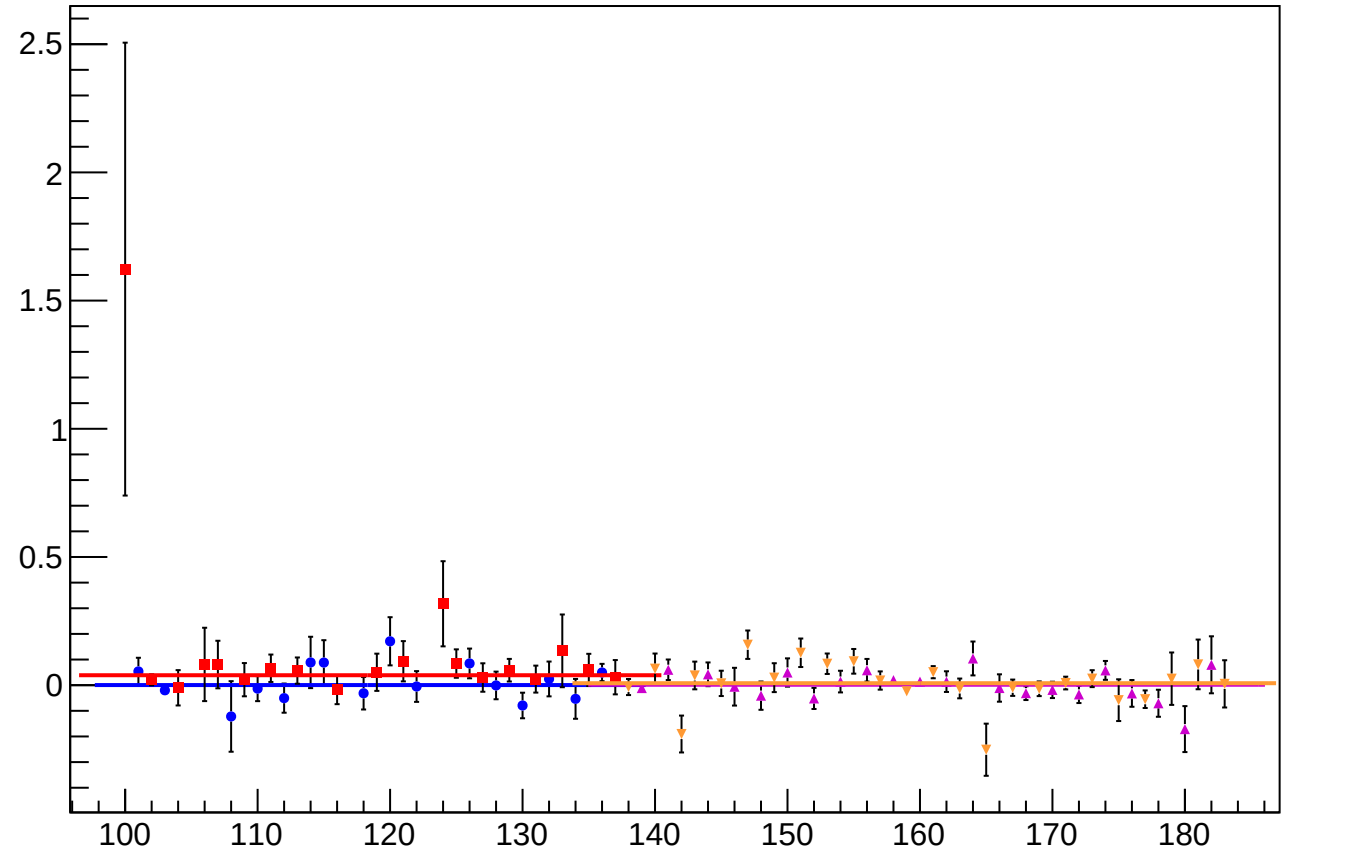
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.444+/-0.005 χ^2/NDF:7997352.9/21

+ sign 27.895+/-0.005 χ^2/NDF: 9023060.3/39

All: 26.185+/-0.003 χ^2/NDF: 20039767.8/80

- sign 24.692+/-0.004 χ^2/NDF: 10750803.4/40



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/23

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

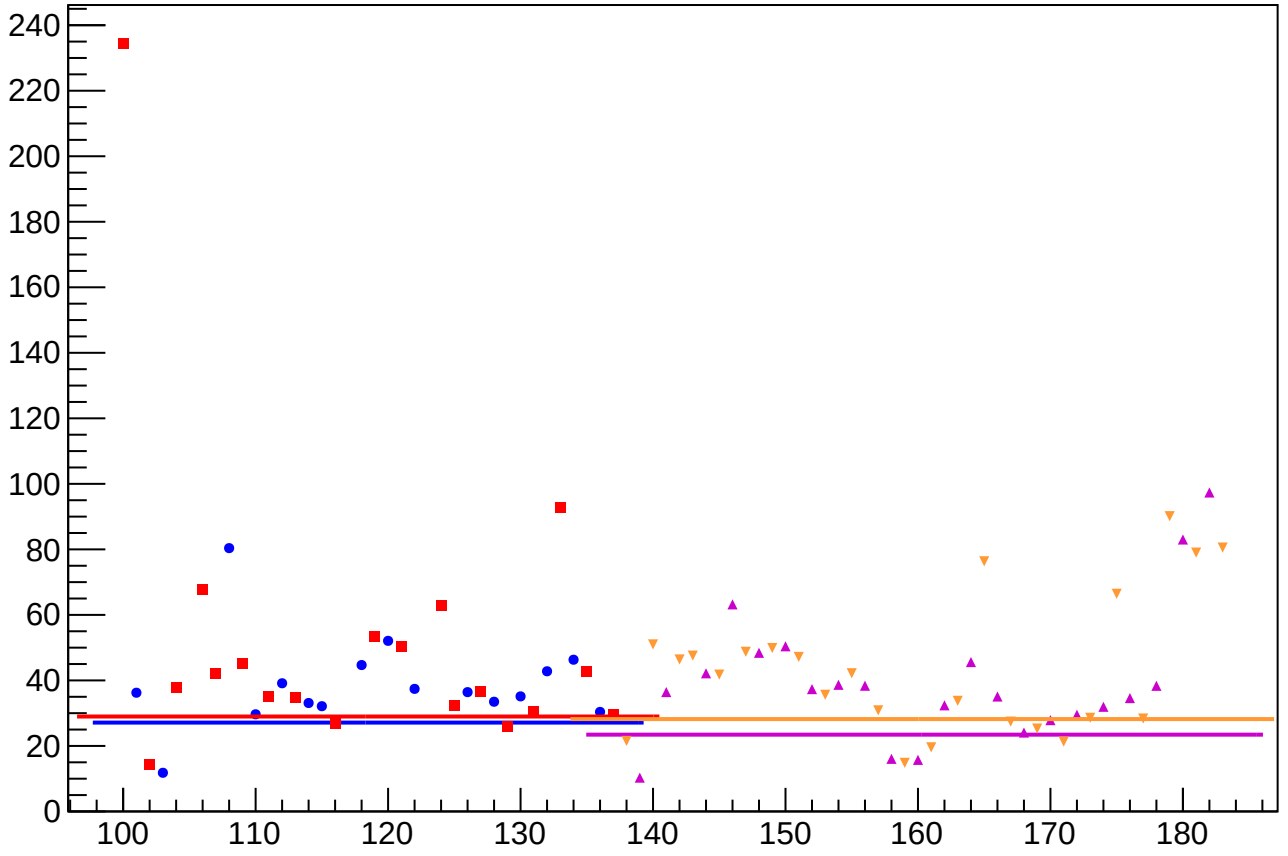
Left In: 0.002+/-0.007 χ^2/NDF:24.6/21

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/39

All: 0.008+/-0.004 χ^2/NDF: 106.8/80

- sign 0.010+/-0.006 χ^2/NDF: 42.3/40

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.200+/-0.005 χ^2/NDF:6596387.7/23

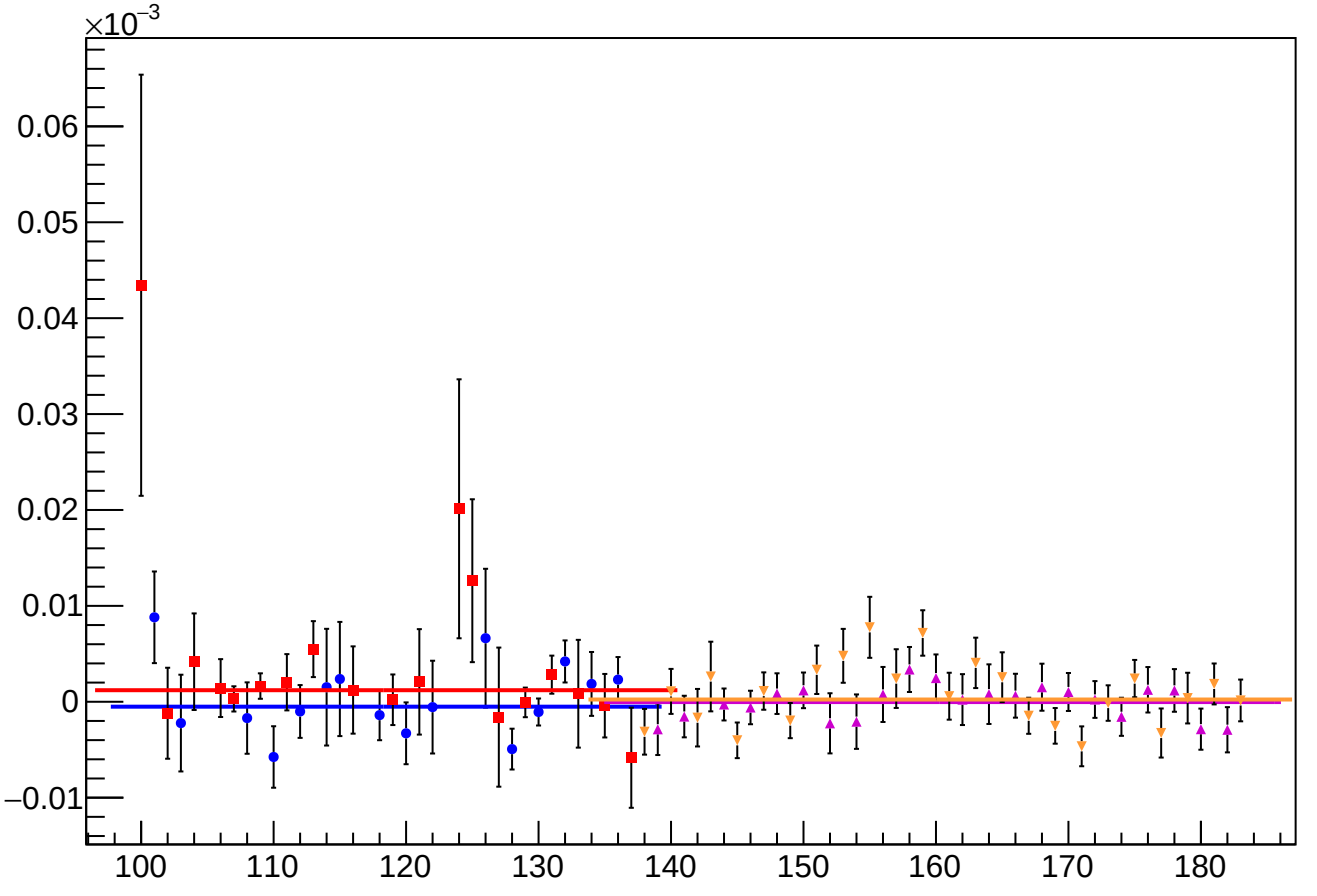
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.444+/-0.005 χ^2/NDF:7997352.9/21

+ sign 27.895+/-0.005 χ^2/NDF: 9023060.3/39

All: 26.185+/-0.003 χ^2/NDF: 20039767.8/80

- sign 24.692+/-0.004 χ^2/NDF: 10750803.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.9/23

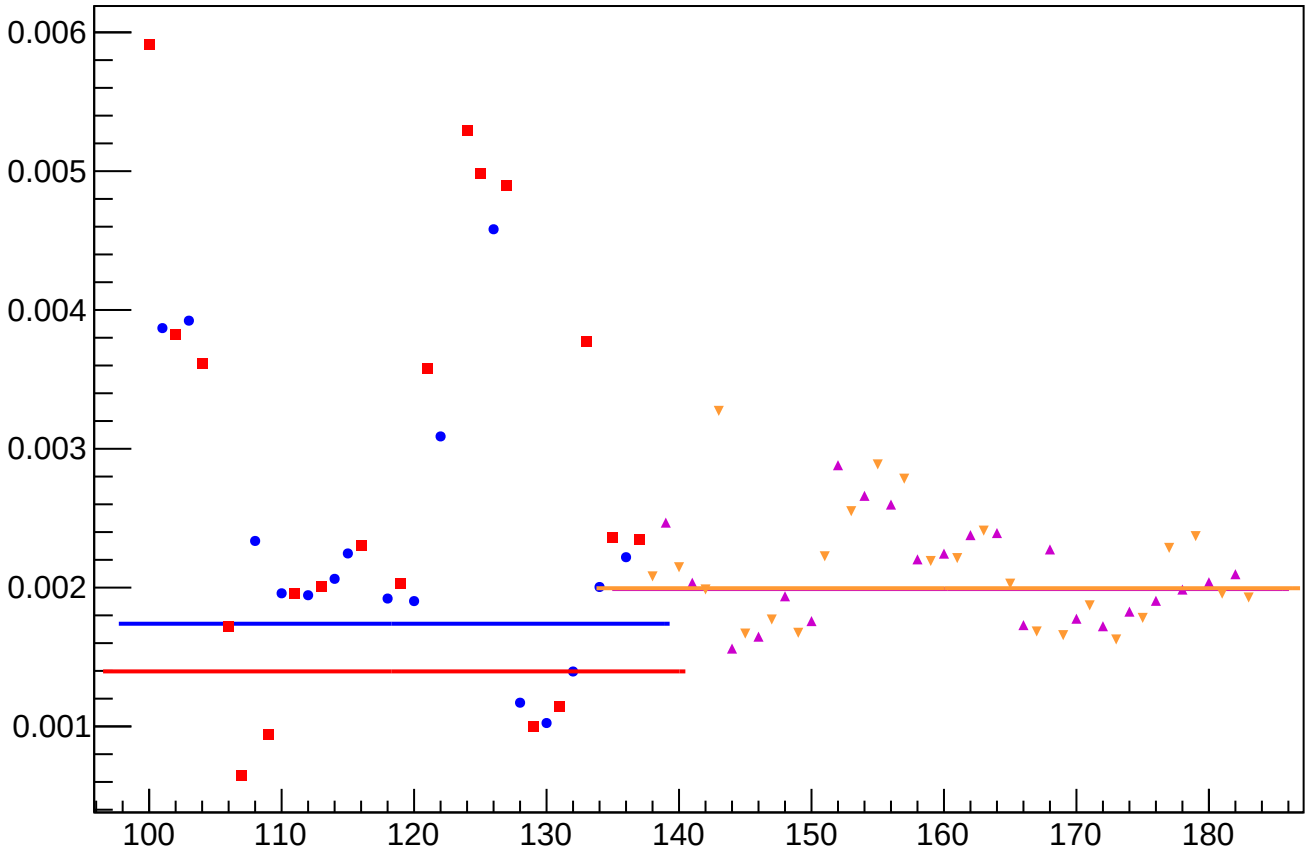
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/39

All: 0.000+/-0.000 χ^2/NDF: 94.2/80

- sign 0.000+/-0.000 χ^2/NDF: 29.0/40



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1173157.8/23

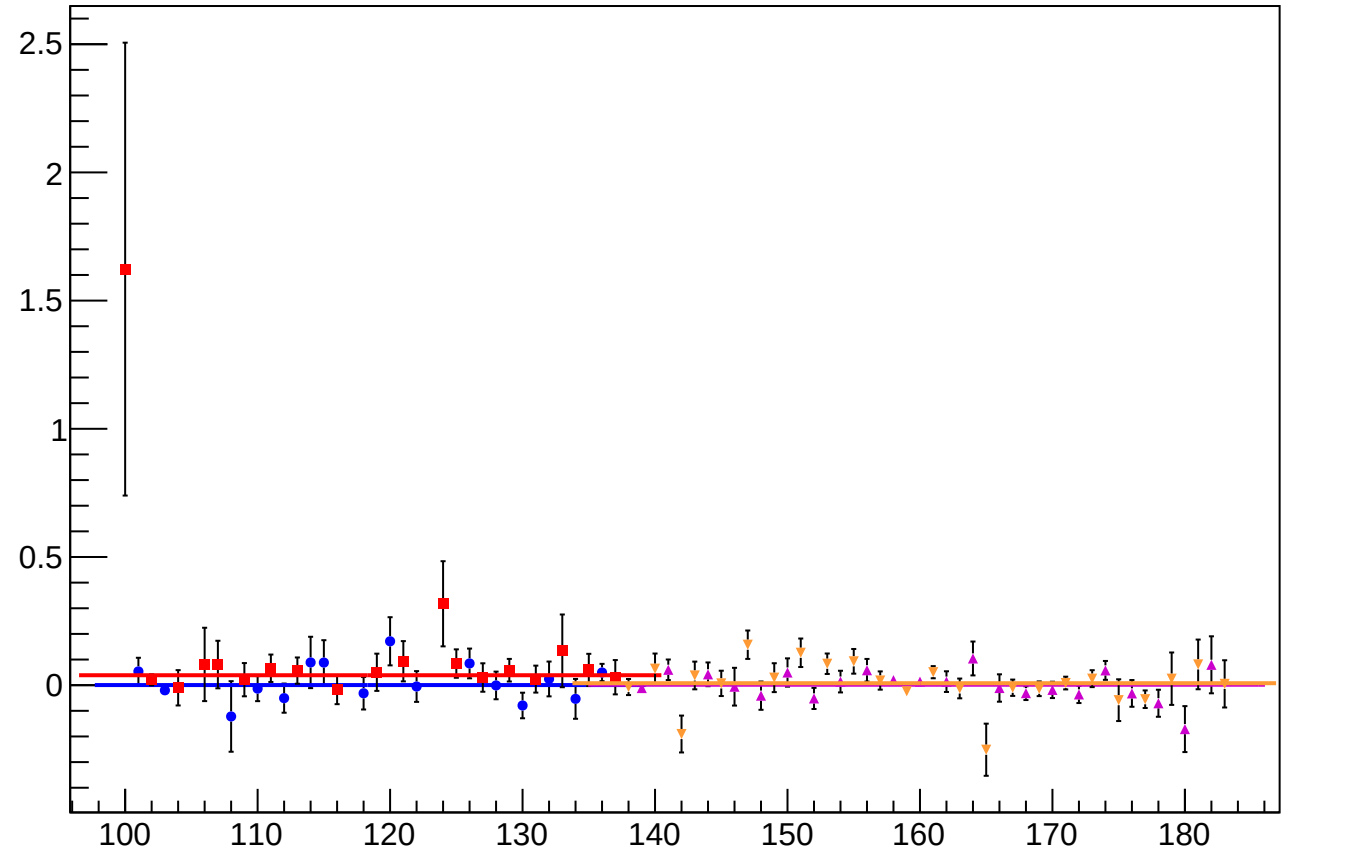
Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:920871.8/21

+ sign 0.002+/-0.000 χ^2/NDF: 3499135.8/39

All: 0.002+/-0.000 χ^2/NDF: 10075272.8/80

- sign 0.002+/-0.000 χ^2/NDF: 6414838.3/40



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/23

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

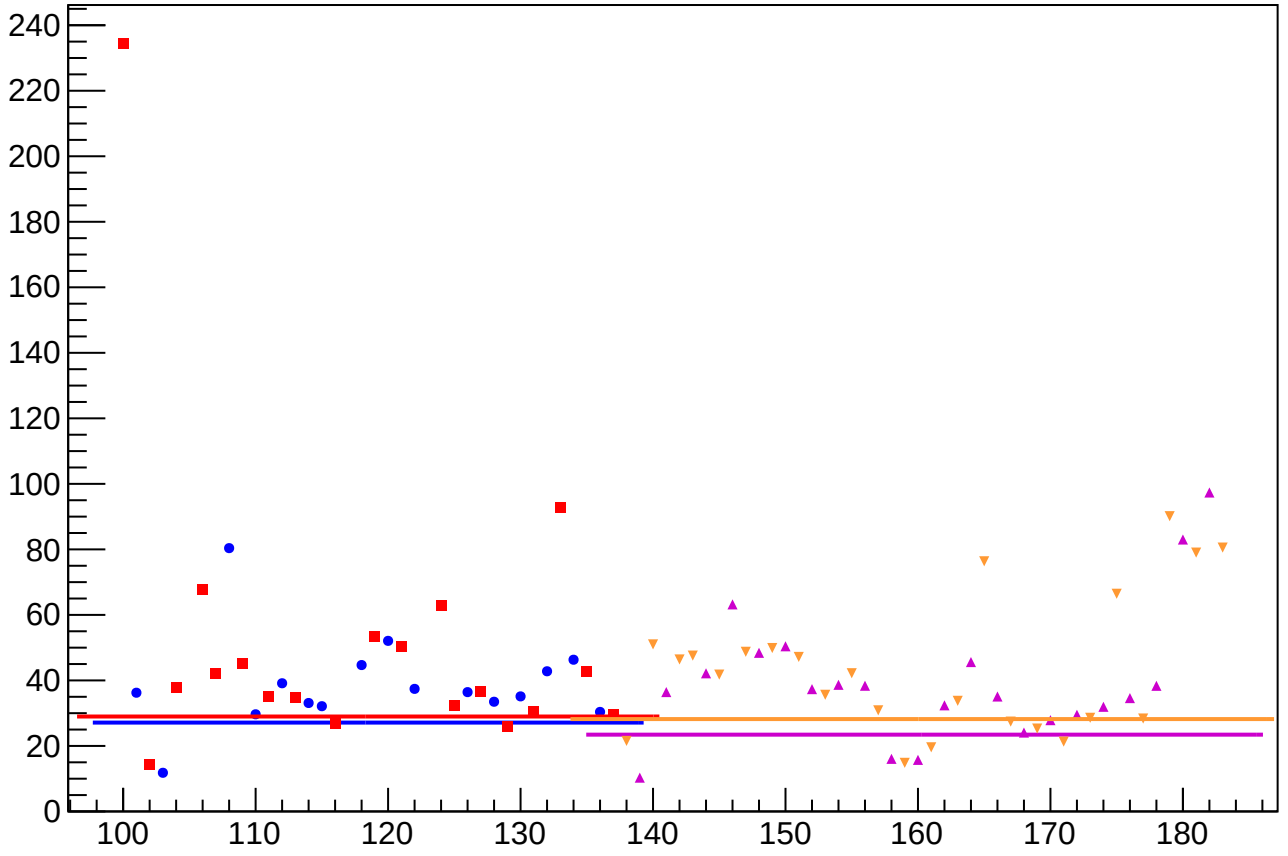
Left In: 0.002+/-0.007 χ^2/NDF:24.6/21

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/39

All: 0.008+/-0.004 χ^2/NDF: 106.8/80

- sign 0.010+/-0.006 χ^2/NDF: 42.3/40

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 28.200+/-0.005 χ^2/NDF:6596843.5/23

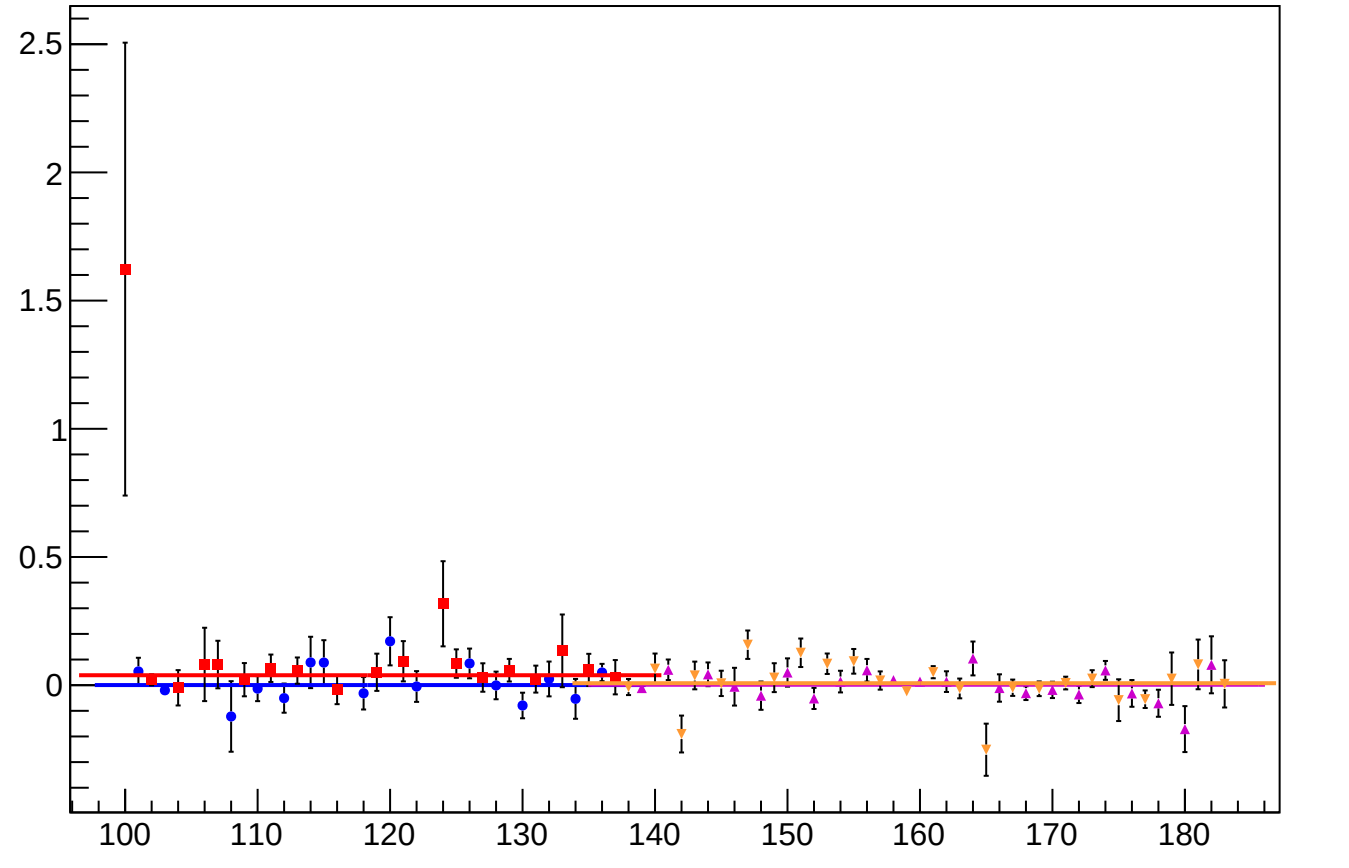
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.443+/-0.005 χ^2/NDF:7998399.4/21

+ sign 27.895+/-0.005 χ^2/NDF: 9023859.3/39

All: 26.185+/-0.003 χ^2/NDF: 20041403.7/80

- sign 24.691+/-0.004 χ^2/NDF: 10751641.3/40



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.008 χ^2/NDF:47.4/23

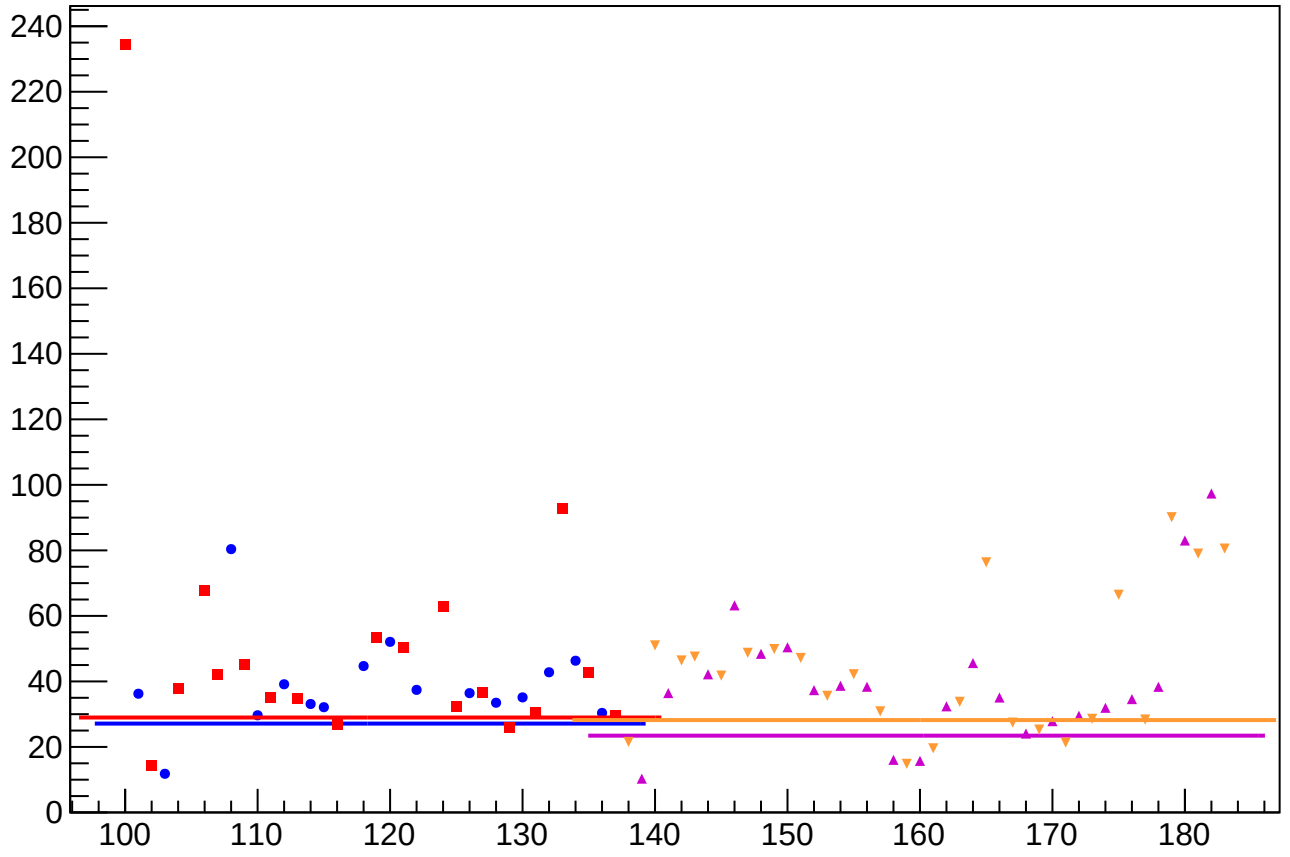
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.002+/-0.007 χ^2/NDF:24.6/21

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/39

All: 0.008+/-0.004 χ^2/NDF: 106.8/80

- sign 0.010+/-0.006 χ^2/NDF: 42.3/40



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 28.200+/-0.005 χ^2/NDF:6596843.5/23

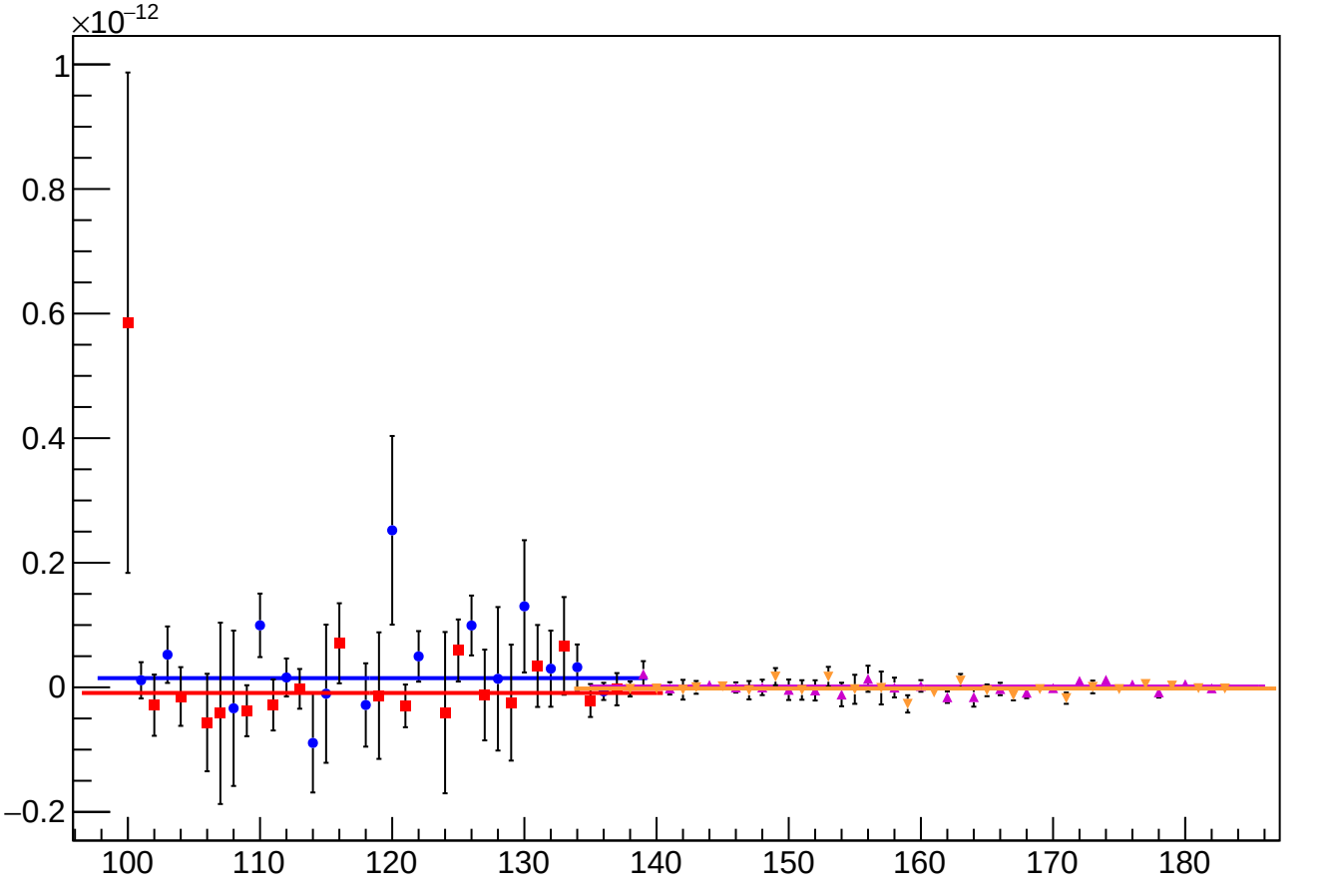
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.443+/-0.005 χ^2/NDF:7998399.4/21

+ sign 27.895+/-0.005 χ^2/NDF: 9023859.3/39

All: 26.185+/-0.003 χ^2/NDF: 20041403.7/80

- sign 24.691+/-0.004 χ^2/NDF: 10751641.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/23

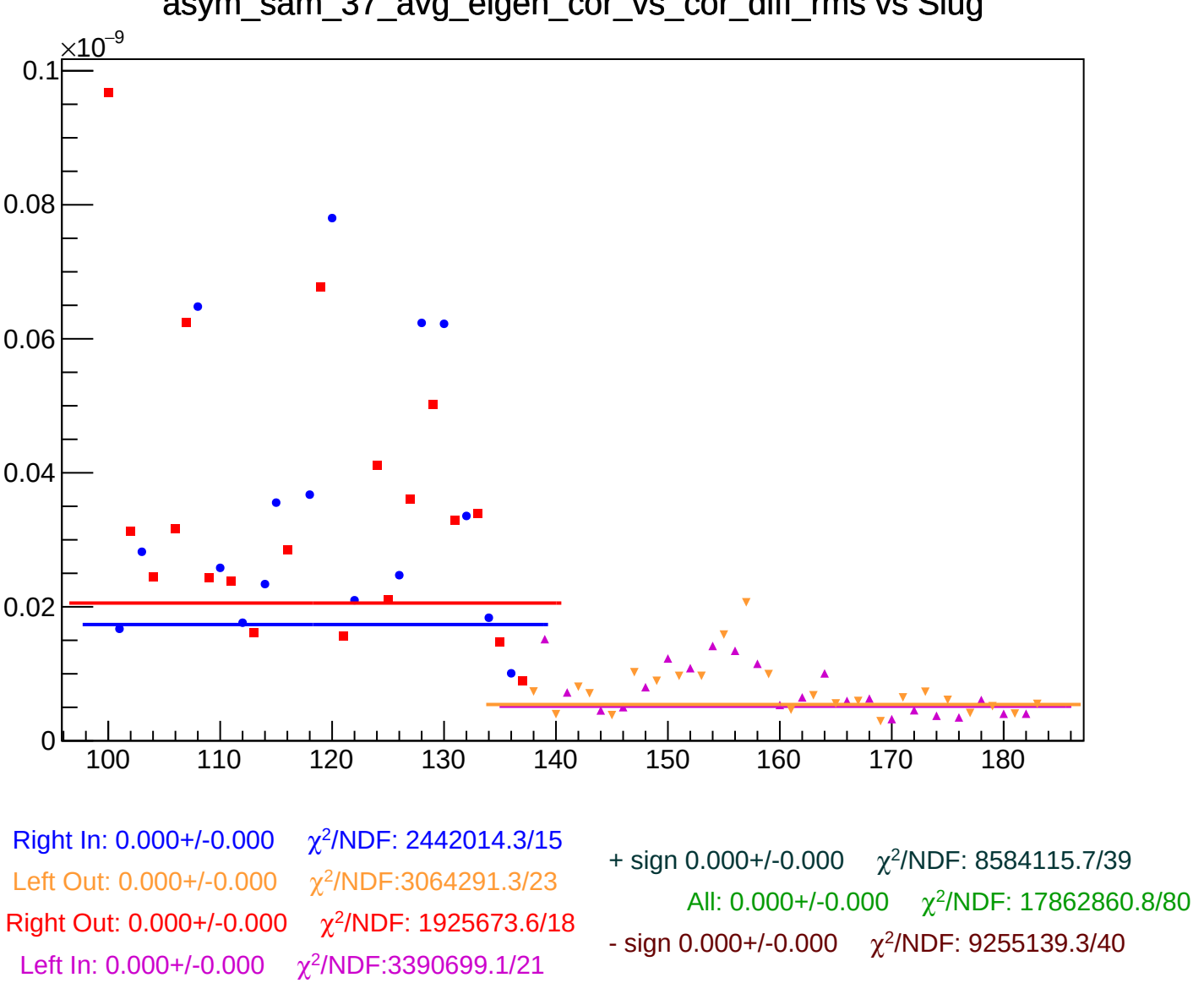
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/21

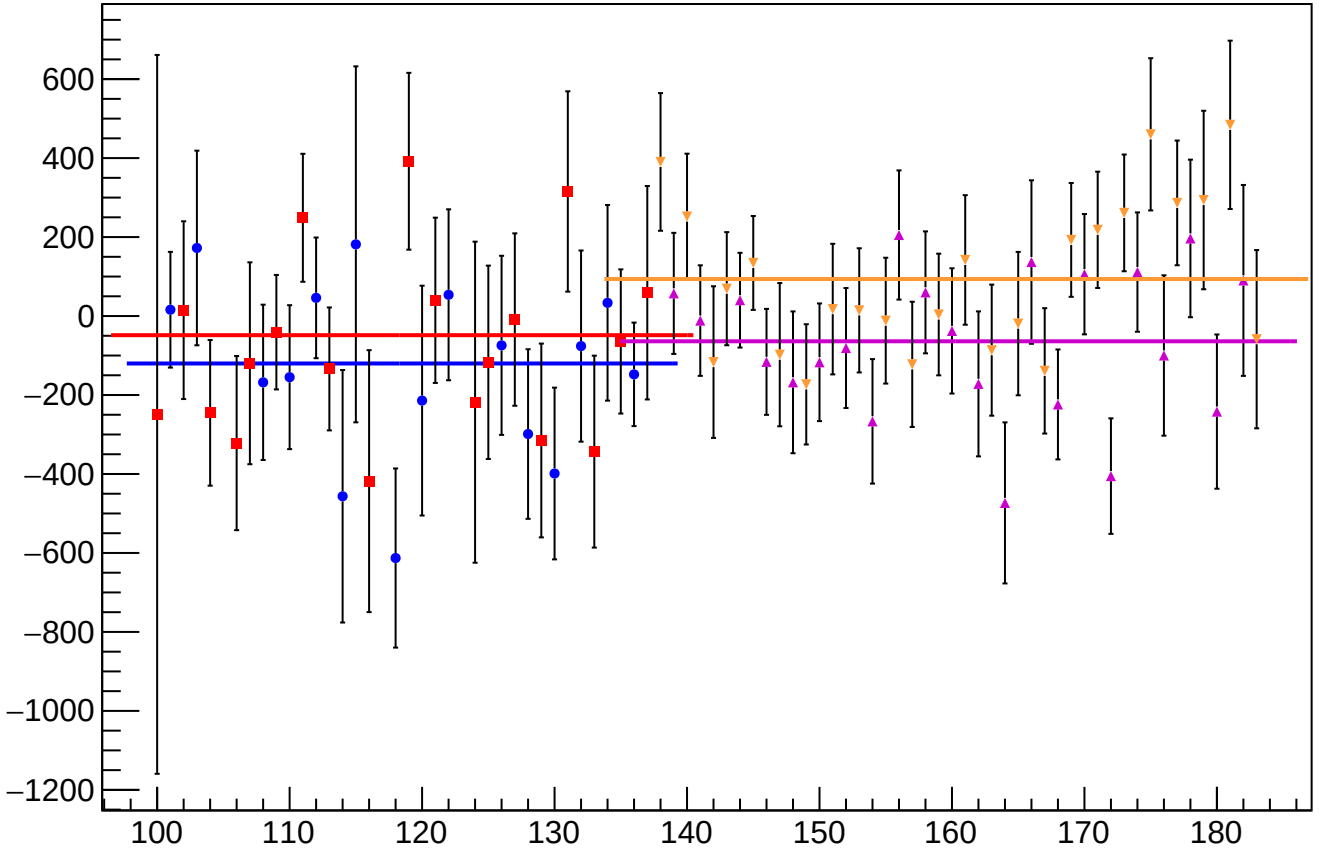
+ sign -0.000+/-0.000 χ^2/NDF: 34.4/39

All: -0.000+/-0.000 χ^2/NDF: 61.0/80

- sign 0.000+/-0.000 χ^2/NDF: 25.7/40


asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2442014.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3064291.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 1925673.6/18
Left In: 0.000+/-0.000 χ²/NDF:3390699.1/21
+ sign 0.000+/-0.000 χ²/NDF: 8584115.7/39
All: 0.000+/-0.000 χ²/NDF: 17862860.8/80
- sign 0.000+/-0.000 χ²/NDF: 9255139.3/40

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 93.775+/-33.288 χ^2/NDF:28.5/23

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

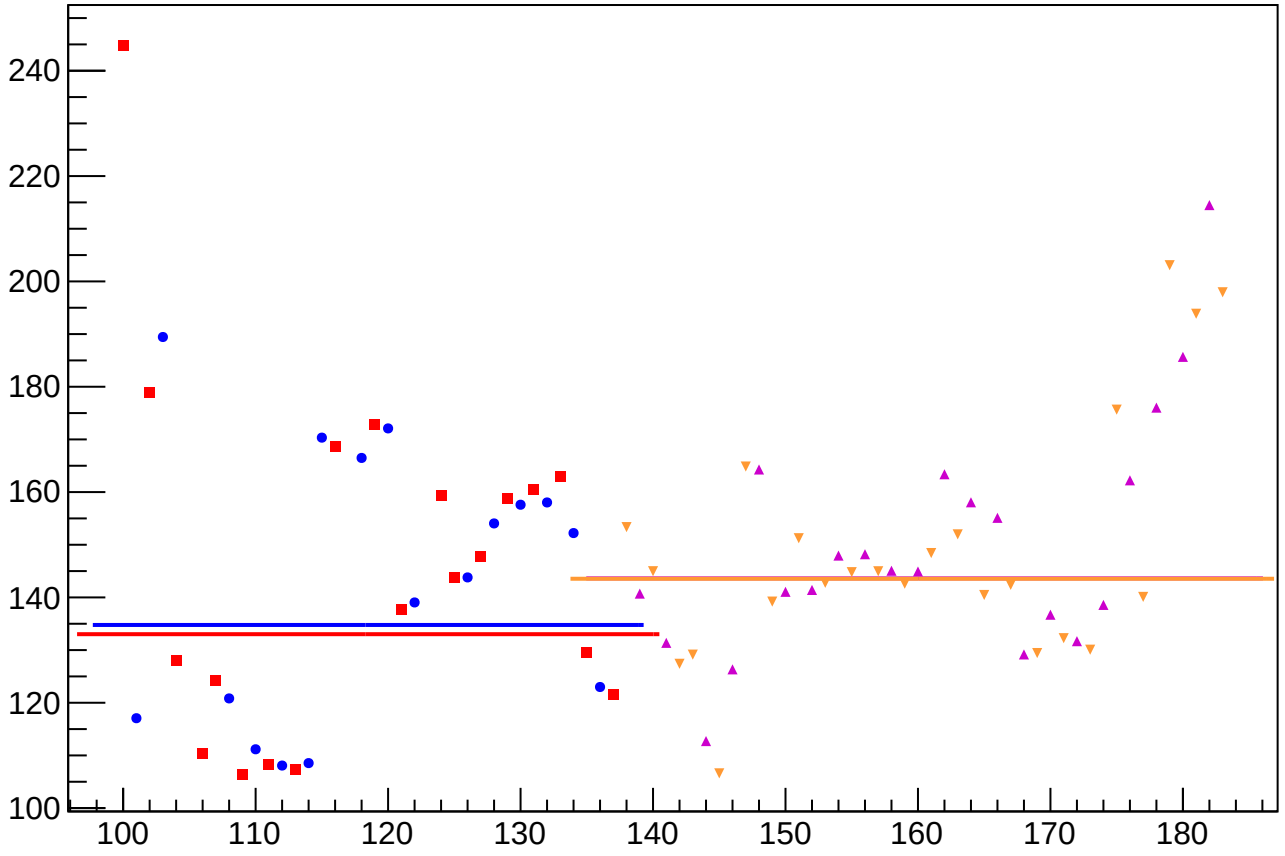
Left In: -63.925+/-34.256 χ^2/NDF:24.8/21

+ sign 30.043+/-27.892 χ^2/NDF: 54.2/39

All: -13.906+/-19.846 χ^2/NDF: 101.1/80

- sign -58.969+/-28.243 χ^2/NDF: 41.9/40

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 143.545+/-0.024 χ^2/NDF:745821.5/23

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

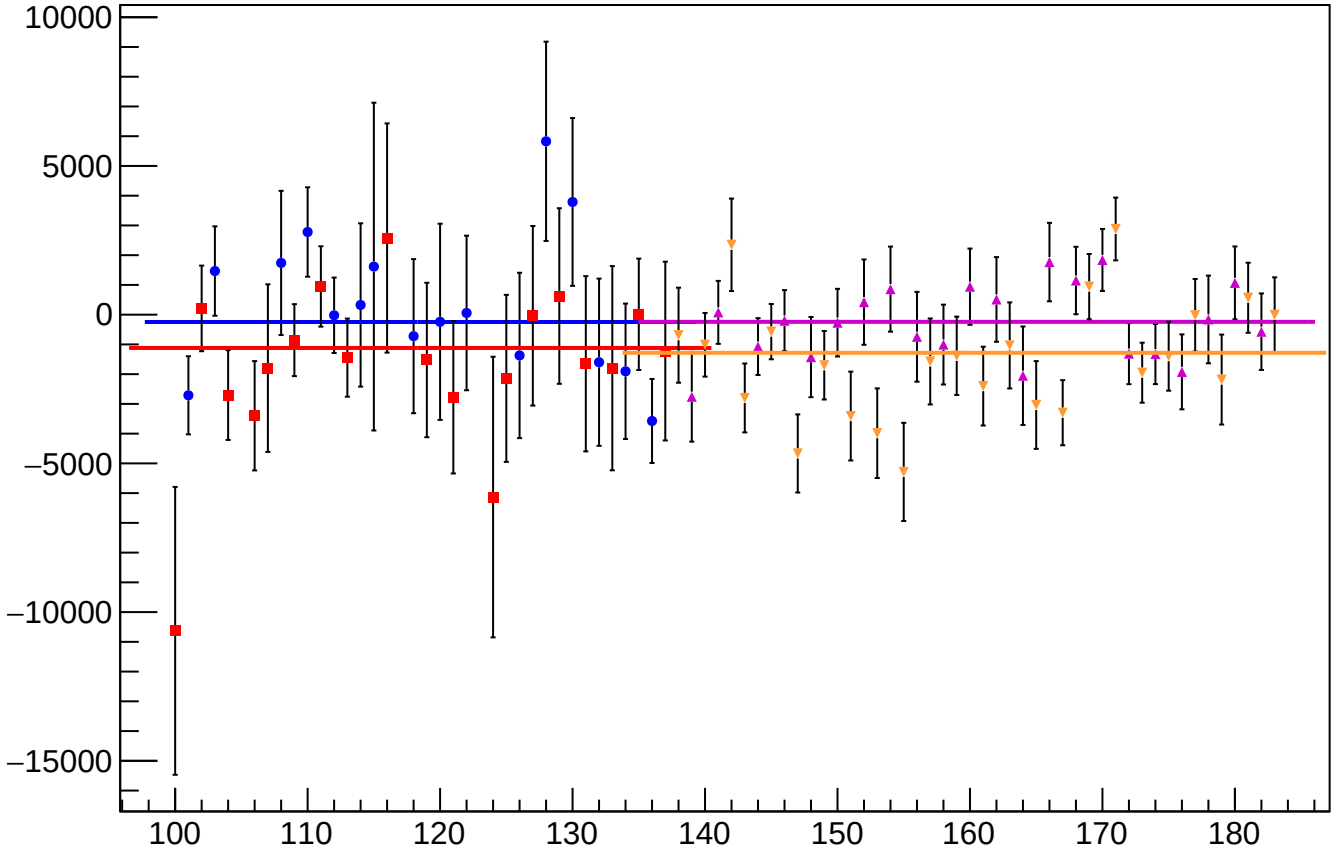
Left In: 143.616+/-0.024 χ^2/NDF:627384.1/21

+ sign 140.931+/-0.020 χ^2/NDF: 1203987.4/39

All: 140.581+/-0.014 χ^2/NDF: 2389015.0/80

- sign 140.223+/-0.020 χ^2/NDF: 1184391.3/40

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1282.502+/-254.121 χ^2/NDF:56.5/23

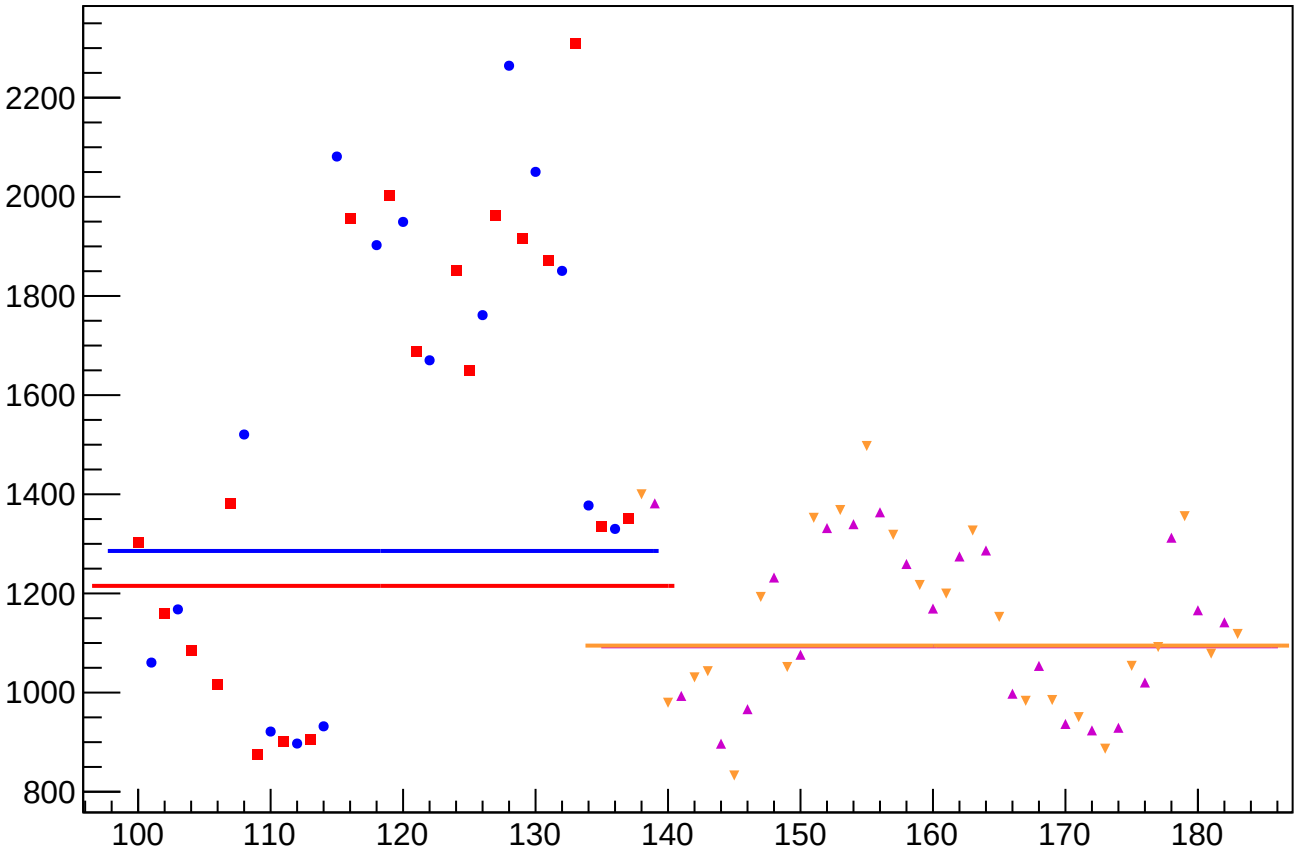
Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: -241.039+/-260.813 χ^2/NDF:21.0/21

+ sign -1070.751+/-226.672 χ^2/NDF: 81.5/39

All: -761.476+/-160.703 χ^2/NDF: 122.3/80

- sign -448.924+/-227.870 χ^2/NDF: 37.1/40



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1094.767+/-0.180 χ^2/NDF:879397.3/23

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

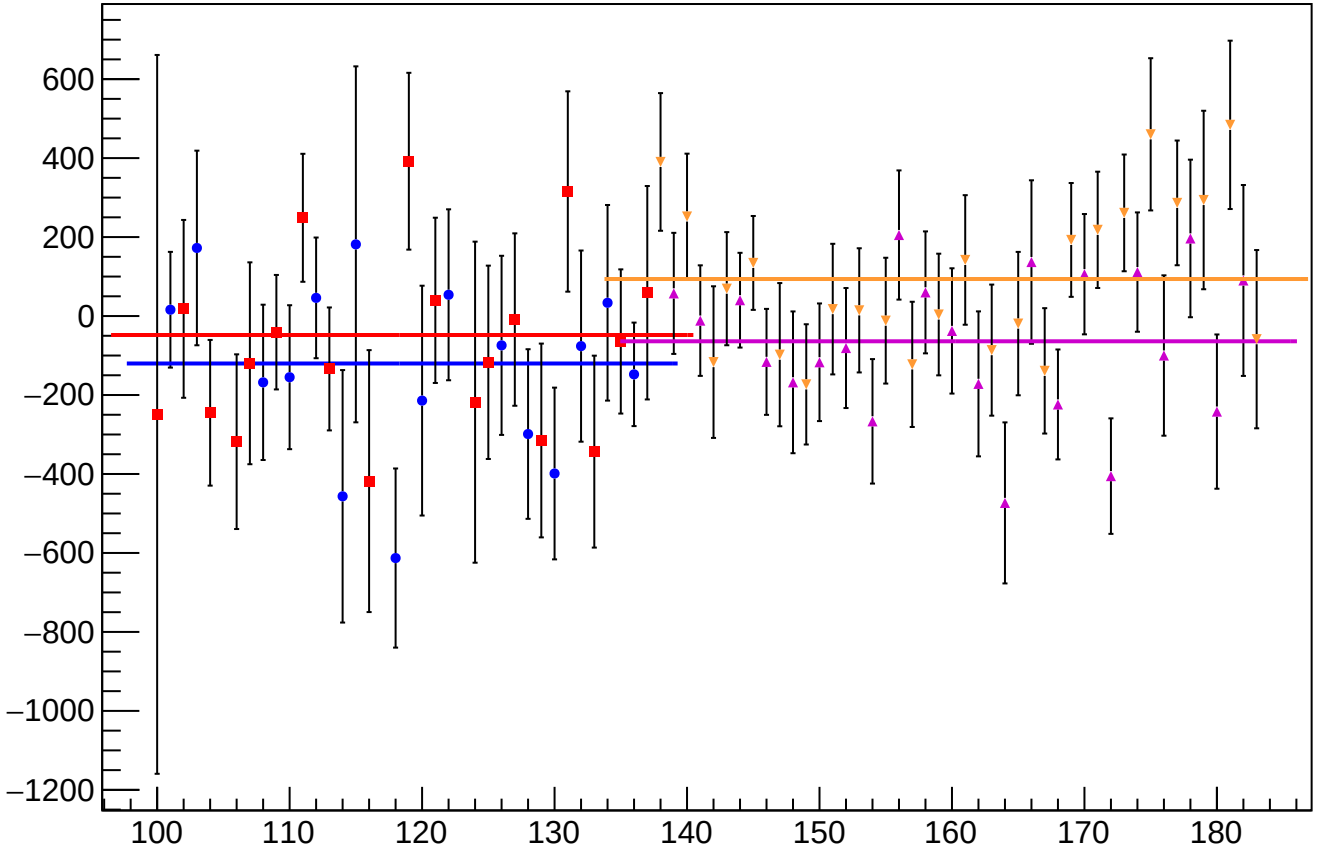
Left In: 1093.311+/-0.184 χ^2/NDF:730202.0/21

\+ sign 1133.780+/-0.160 χ^2/NDF: 2280494.1/39

All: 1128.004+/-0.114 χ^2/NDF: 4503041.2/80

\- sign 1122.167+/-0.161 χ^2/NDF: 2219936.2/40

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 93.785+/-33.288 χ^2/NDF:28.5/23

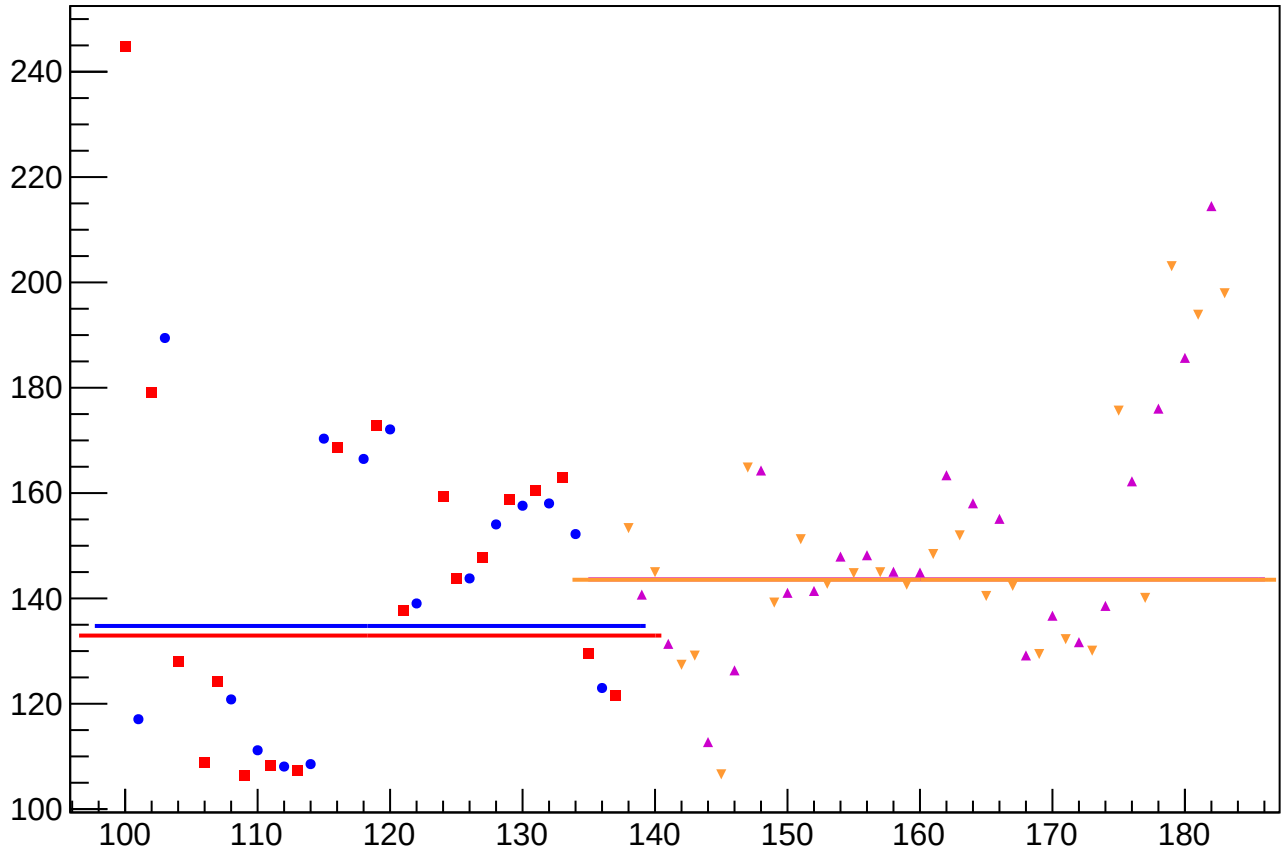
Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: -63.927+/-34.256 χ^2/NDF:24.8/21

+ sign 30.047+/-27.892 χ^2/NDF: 54.2/39

All: -13.834+/-19.846 χ^2/NDF: 101.1/80

- sign -58.832+/-28.245 χ^2/NDF: 41.8/40



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 143.545+/-0.024 χ^2/NDF:745821.5/23

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

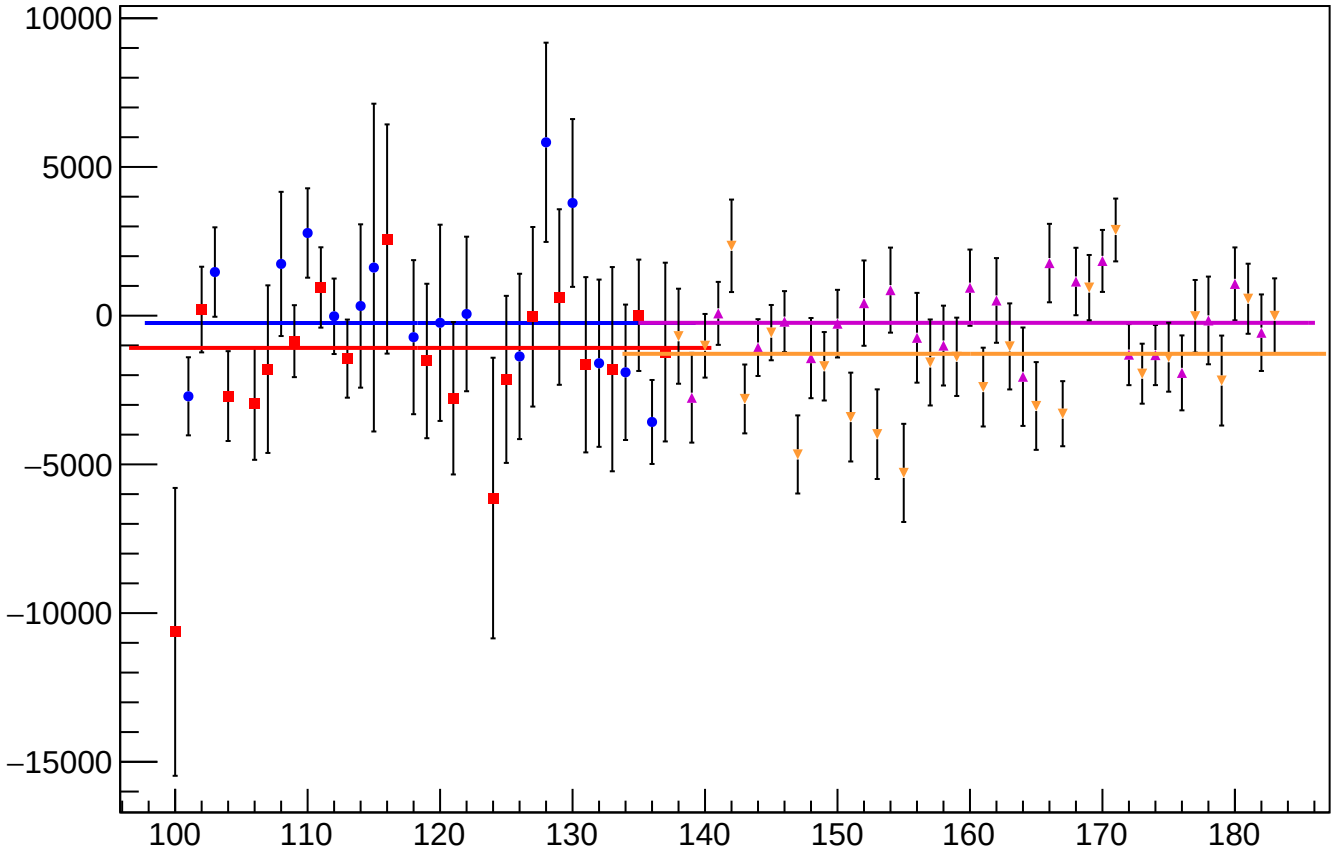
Left In: 143.616+/-0.024 χ^2/NDF:627384.2/21

+ sign 140.931+/-0.020 χ^2/NDF: 1203990.3/39

All: 140.570+/-0.014 χ^2/NDF: 2393016.9/80

- sign 140.201+/-0.020 χ^2/NDF: 1188349.6/40

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1282.490+/-254.121 χ^2/NDF:56.5/23

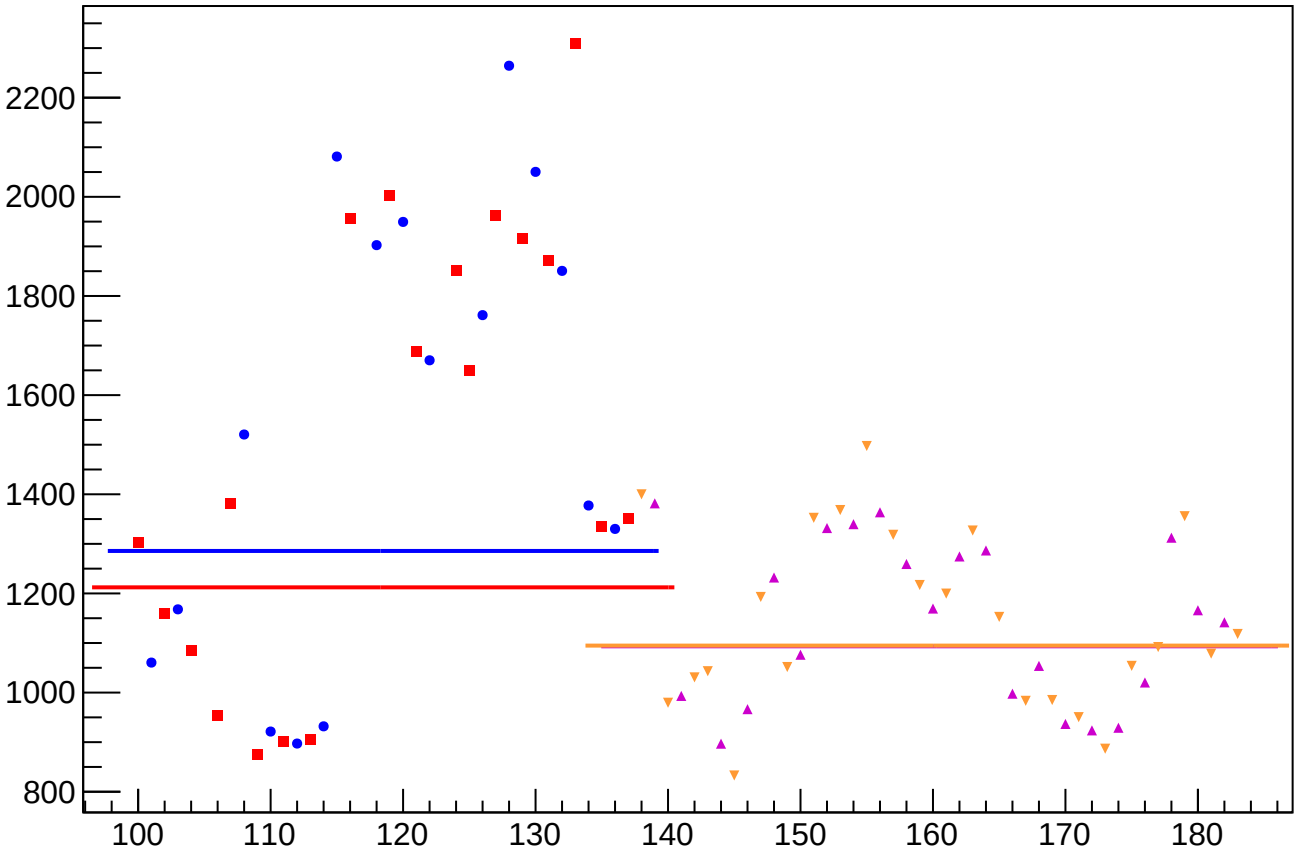
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -241.043+/-260.813 χ^2/NDF:21.0/21

+ sign -1070.759+/-226.673 χ^2/NDF: 81.5/39

All: -757.171+/-160.740 χ^2/NDF: 121.6/80

- sign -439.967+/-227.976 χ^2/NDF: 36.3/40



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.766+/-0.180 χ^2/NDF:879397.9/23

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

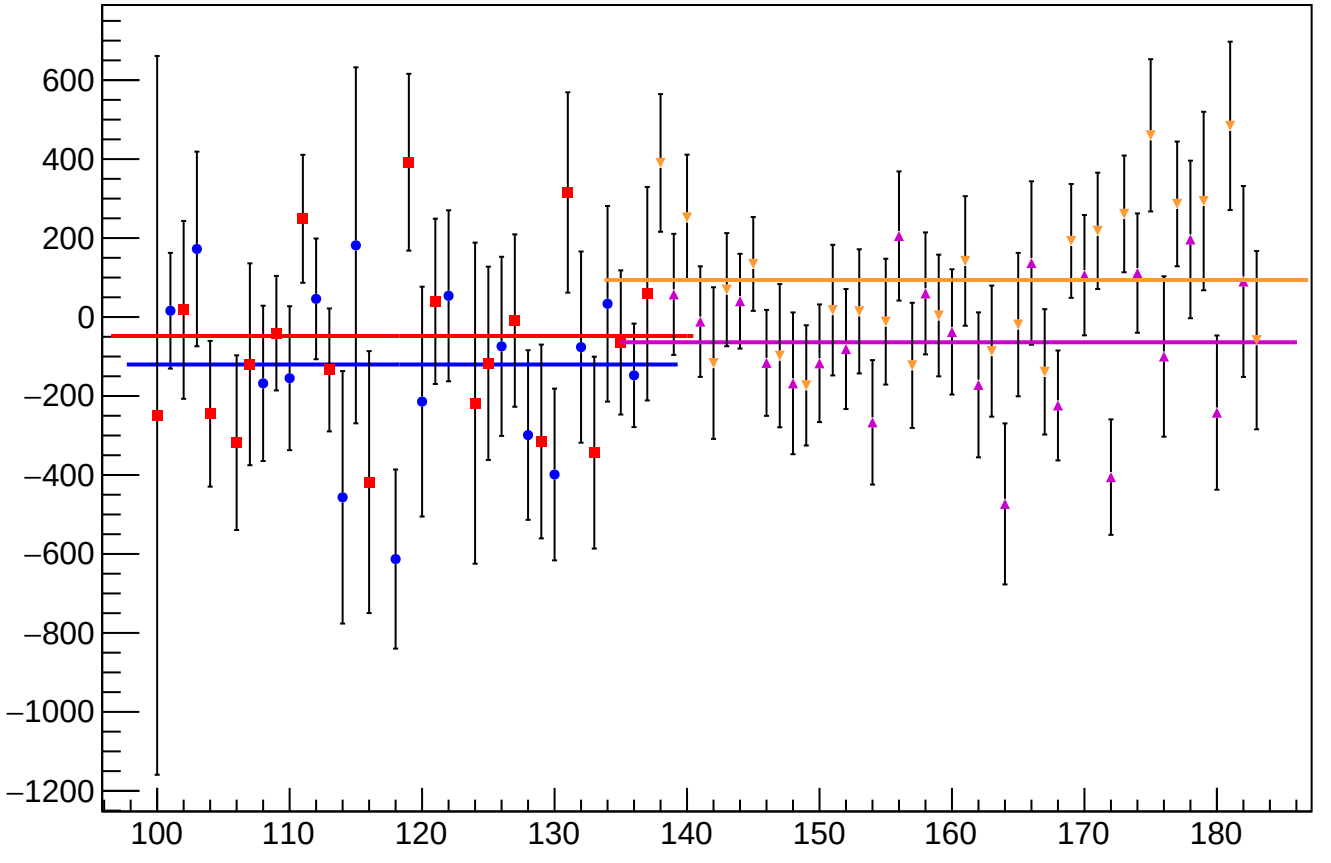
Left In: 1093.311+/-0.184 χ^2/NDF:730202.6/21

+ sign 1133.782+/-0.160 χ^2/NDF: 2280499.5/39

All: 1127.617+/-0.114 χ^2/NDF: 4512496.6/80

- sign 1121.382+/-0.161 χ^2/NDF: 2229021.4/40

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 93.785+/-33.288 χ^2/NDF:28.5/23

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

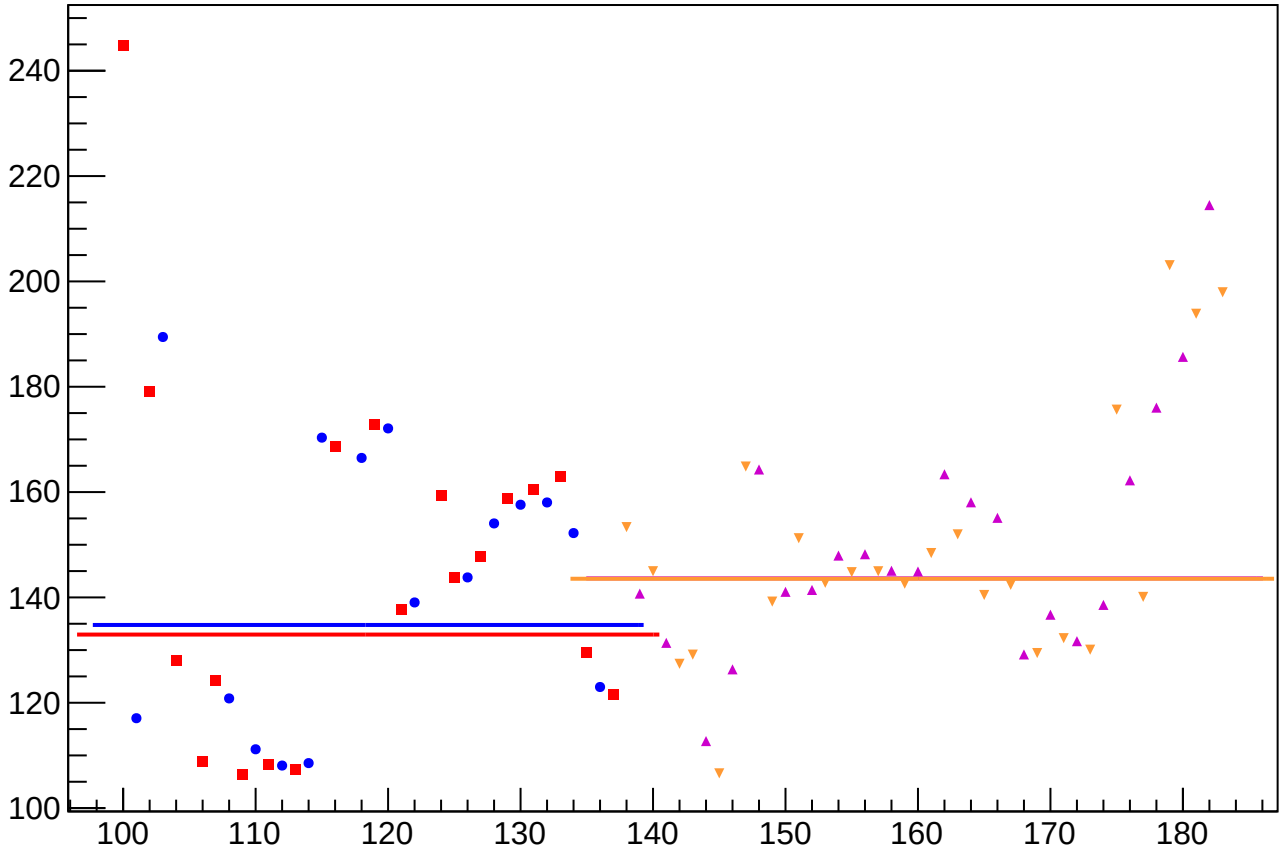
Left In: -63.927+/-34.256 χ^2/NDF:24.8/21

+ sign 30.047+/-27.892 χ^2/NDF: 54.2/39

All: -13.834+/-19.846 χ^2/NDF: 101.1/80

- sign -58.832+/-28.245 χ^2/NDF: 41.8/40

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 143.545+/-0.024 χ^2/NDF:745821.5/23

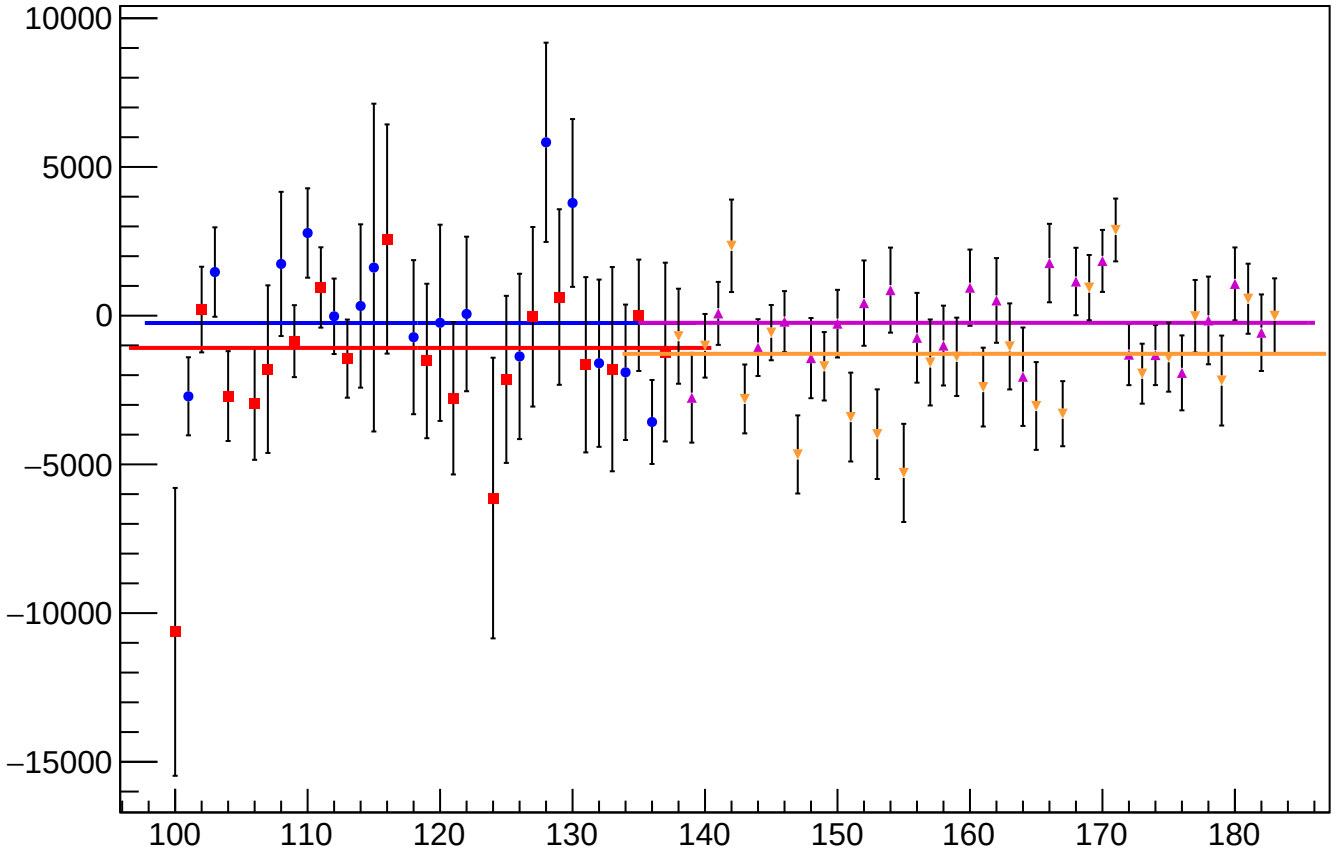
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 143.616+/-0.024 χ^2/NDF:627384.2/21

+ sign 140.931+/-0.020 χ^2/NDF: 1203990.3/39

All: 140.570+/-0.014 χ^2/NDF: 2393016.9/80

- sign 140.201+/-0.020 χ^2/NDF: 1188349.6/40



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1282.490+/-254.121 χ^2/NDF:56.5/23

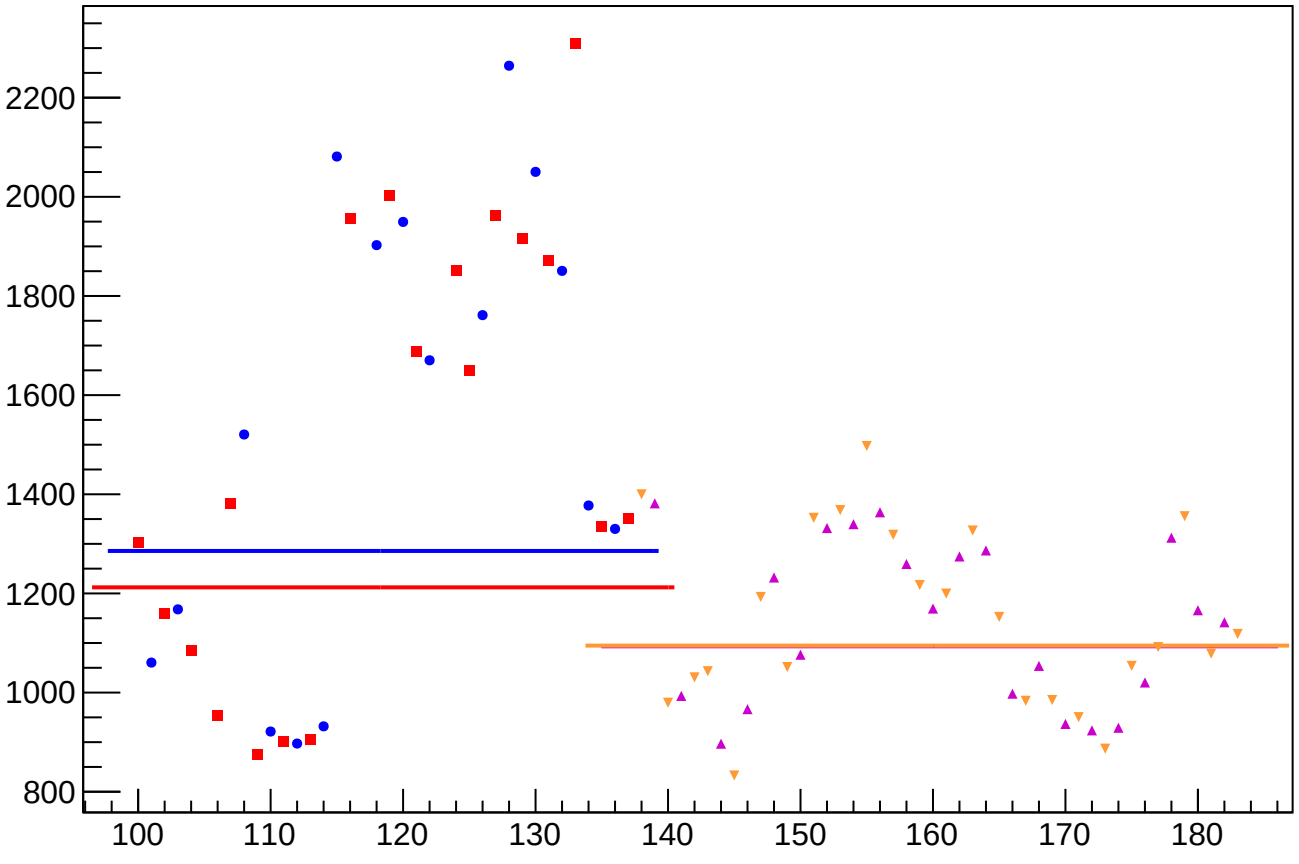
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -241.043+/-260.813 χ^2/NDF:21.0/21

+ sign -1070.759+/-226.673 χ^2/NDF: 81.5/39

All: -757.171+/-160.740 χ^2/NDF: 121.6/80

- sign -439.967+/-227.976 χ^2/NDF: 36.3/40



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.766+/-0.180 χ^2/NDF:879397.9/23

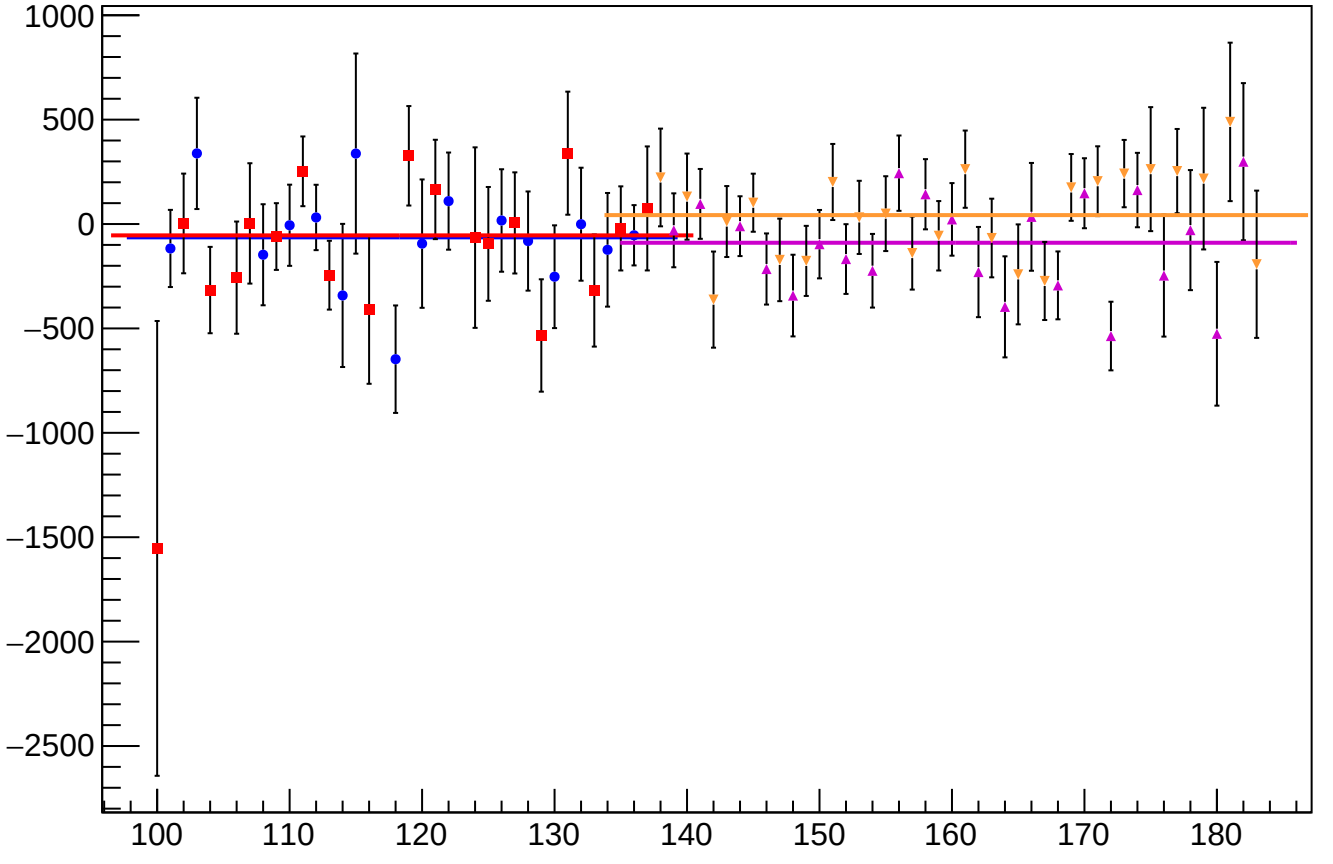
Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1093.311+/-0.184 χ^2/NDF:730202.6/21

+ sign 1133.782+/-0.160 χ^2/NDF: 2280499.5/39

All: 1127.617+/-0.114 χ^2/NDF: 4512496.6/80

- sign 1121.382+/-0.161 χ^2/NDF: 2229021.4/40



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 42.738+/-39.311 χ^2/NDF:22.1/23

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

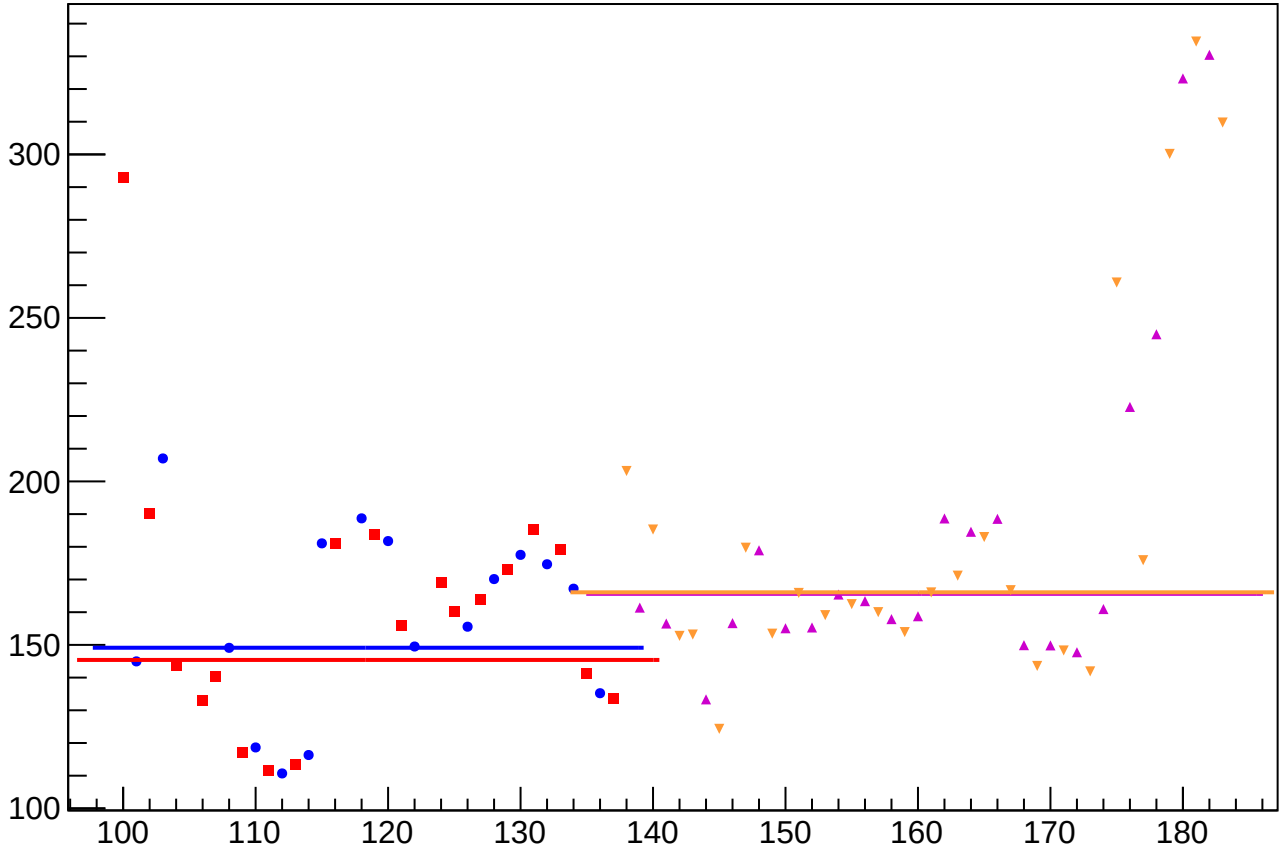
Left In: -89.699+/-40.286 χ^2/NDF:28.7/21

+ sign 8.185+/-32.312 χ^2/NDF: 35.3/39

All: -34.363+/-22.896 χ^2/NDF: 87.2/80

- sign -77.265+/-32.447 χ^2/NDF: 48.4/40

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 166.084+/-0.028 χ^2/NDF:1669595.0/23

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

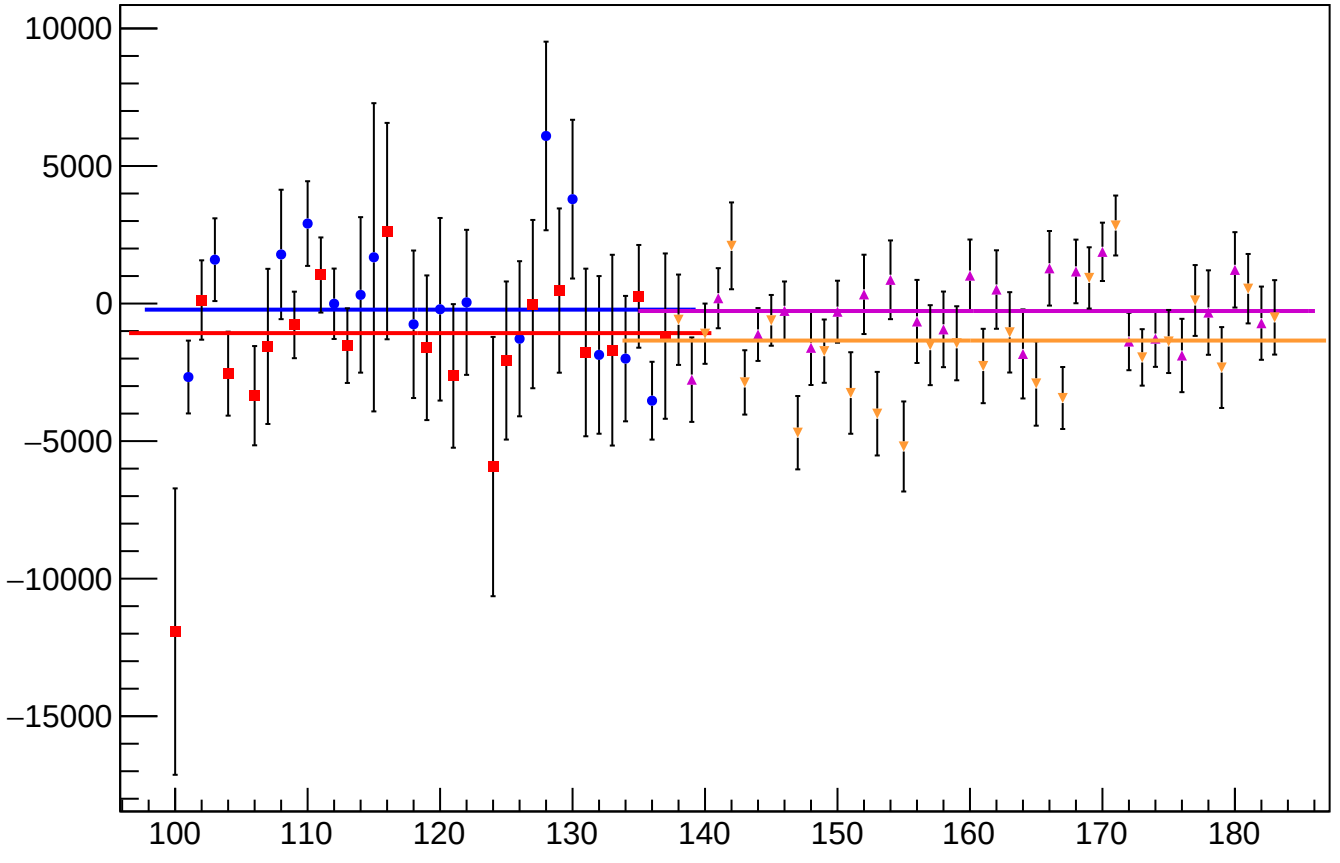
Left In: 165.608+/-0.028 χ^2/NDF:1291104.0/21

+ sign 160.584+/-0.023 χ^2/NDF: 2241261.7/39

All: 159.551+/-0.016 χ^2/NDF: 4239109.6/80

- sign 158.509+/-0.023 χ^2/NDF: 1993738.3/40

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1344.818+/-258.673 χ^2/NDF:52.6/23

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

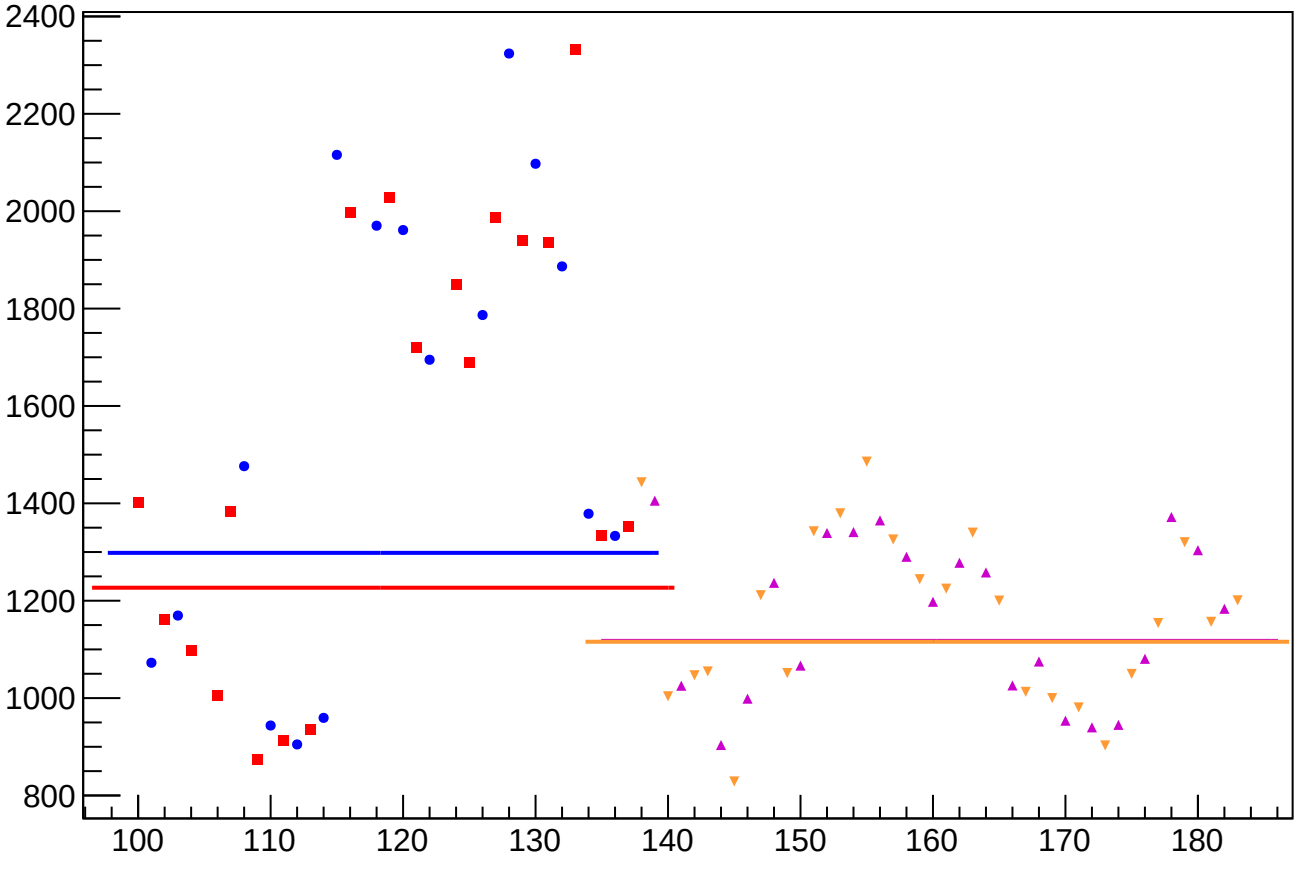
Left In: -270.998+/-266.532 χ^2/NDF:19.7/21

+ sign -1112.170+/-230.341 χ^2/NDF: 78.4/39

All: -791.033+/-163.523 χ^2/NDF: 117.8/80

- sign -464.740+/-232.182 χ^2/NDF: 35.5/40

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1115.728+/-0.183 χ^2/NDF:867277.5/23

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

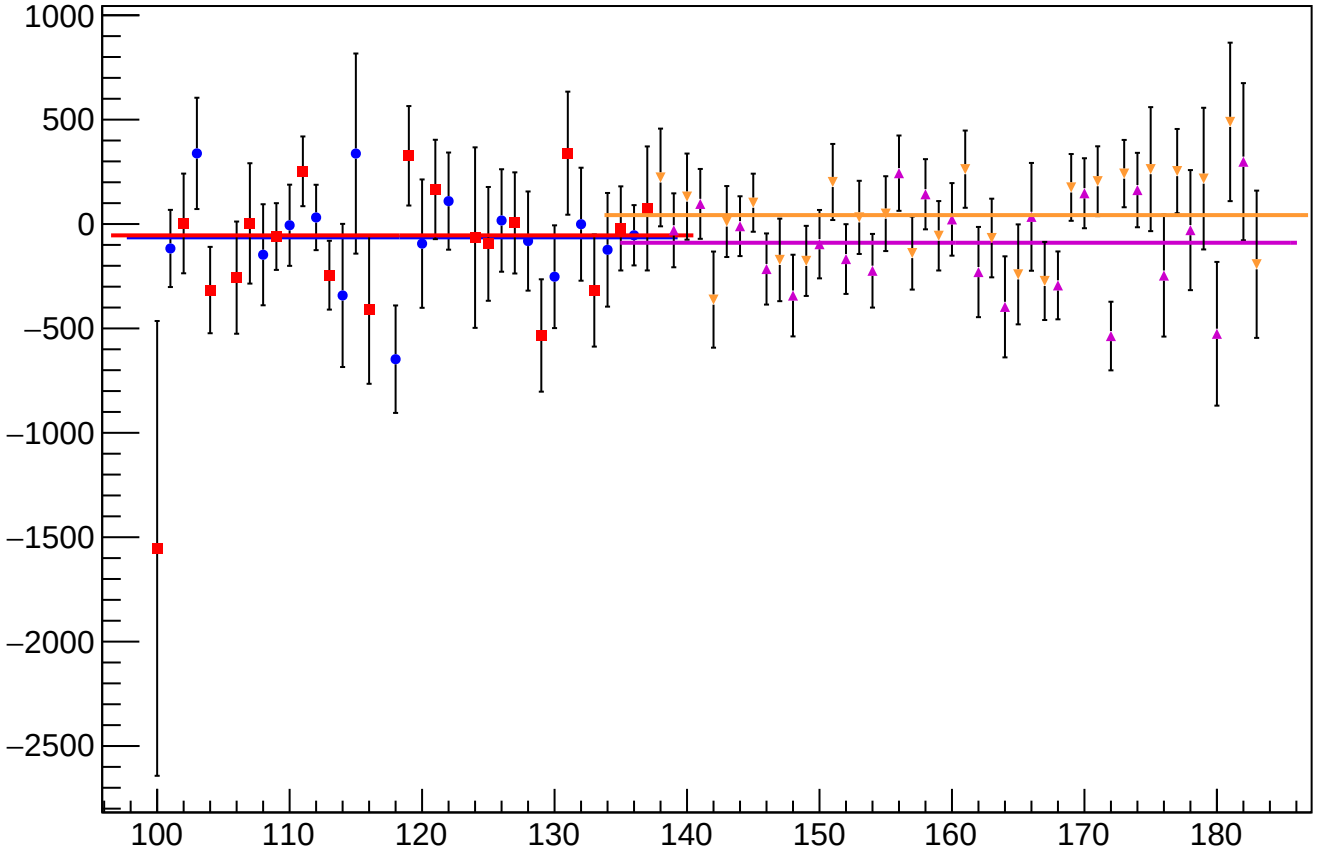
Left In: 1117.485+/-0.188 χ^2/NDF:729176.7/21

+ sign 1153.530+/-0.163 χ^2/NDF: 2255681.8/39

All: 1148.718+/-0.116 χ^2/NDF: 4472160.5/80

- sign 1143.828+/-0.164 χ^2/NDF: 2214719.0/40

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 42.740+/-39.311 χ^2/NDF:22.1/23

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

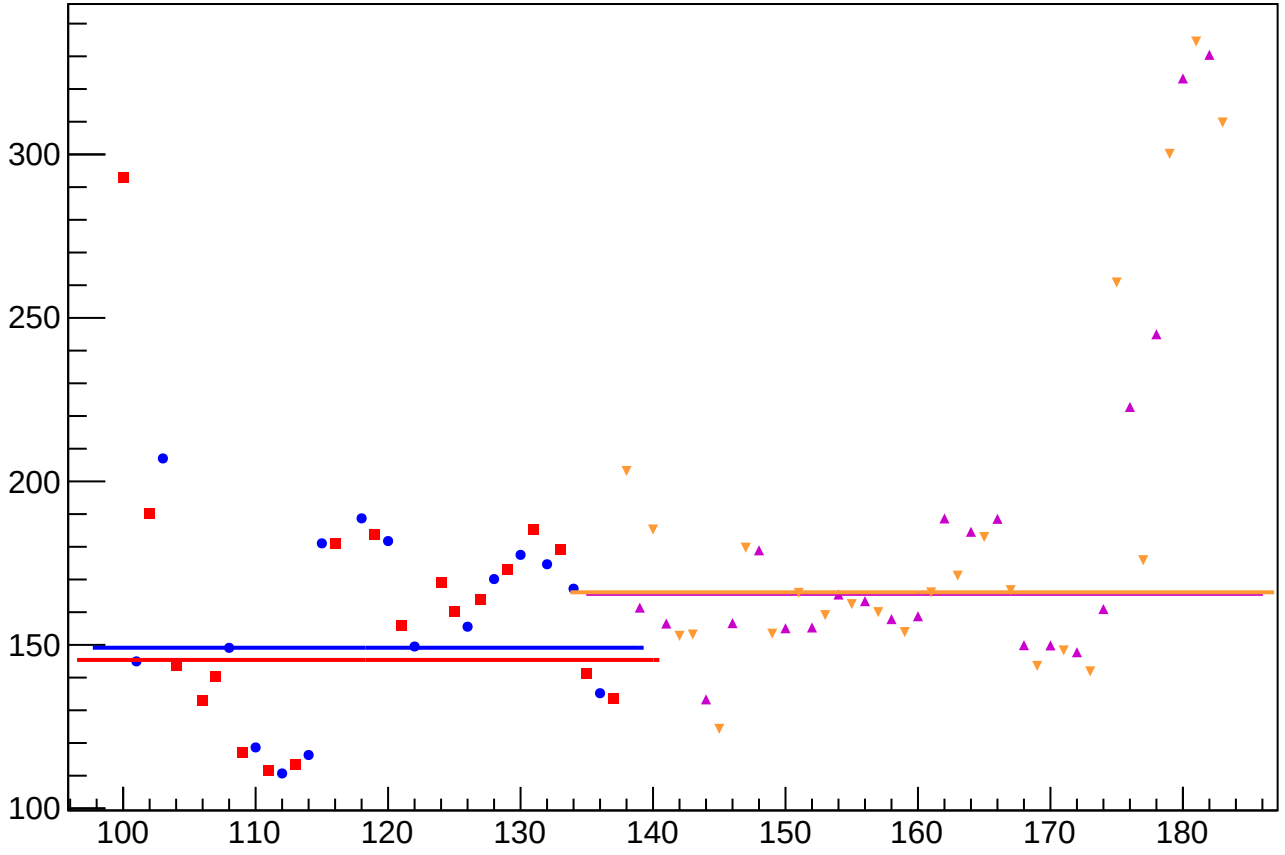
Left In: -89.699+/-40.286 χ^2/NDF:28.7/21

+ sign 8.188+/-32.312 χ^2/NDF: 35.3/39

All: -34.361+/-22.896 χ^2/NDF: 87.2/80

- sign -77.264+/-32.447 χ^2/NDF: 48.4/40

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 166.084+/-0.028 χ^2/NDF:1669590.9/23

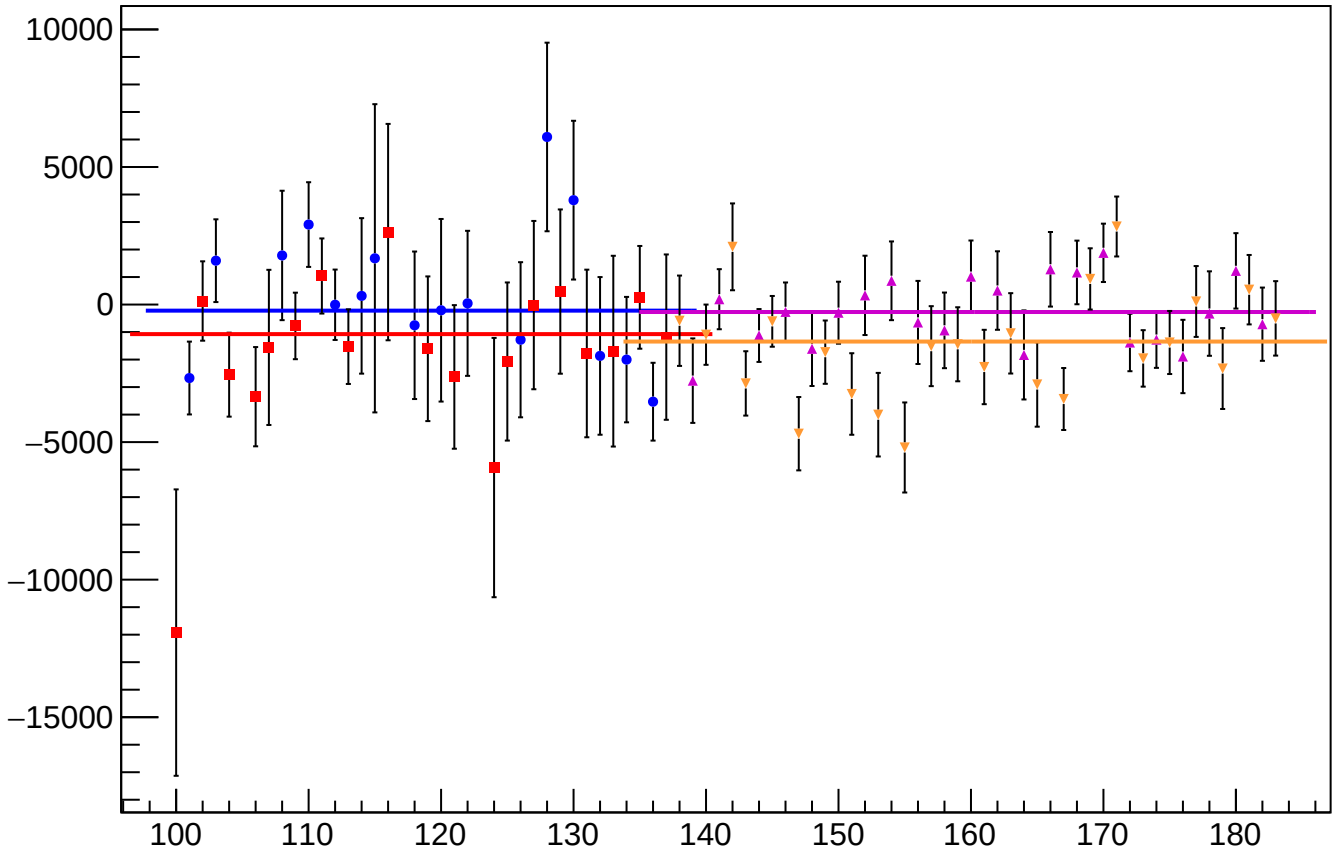
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 165.609+/-0.028 χ^2/NDF:1291083.1/21

+ sign 160.585+/-0.023 χ^2/NDF: 2241262.9/39

All: 159.551+/-0.016 χ^2/NDF: 4239097.3/80

- sign 158.509+/-0.023 χ^2/NDF: 1993724.8/40



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1344.815+/-258.673 χ^2/NDF:52.6/23

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

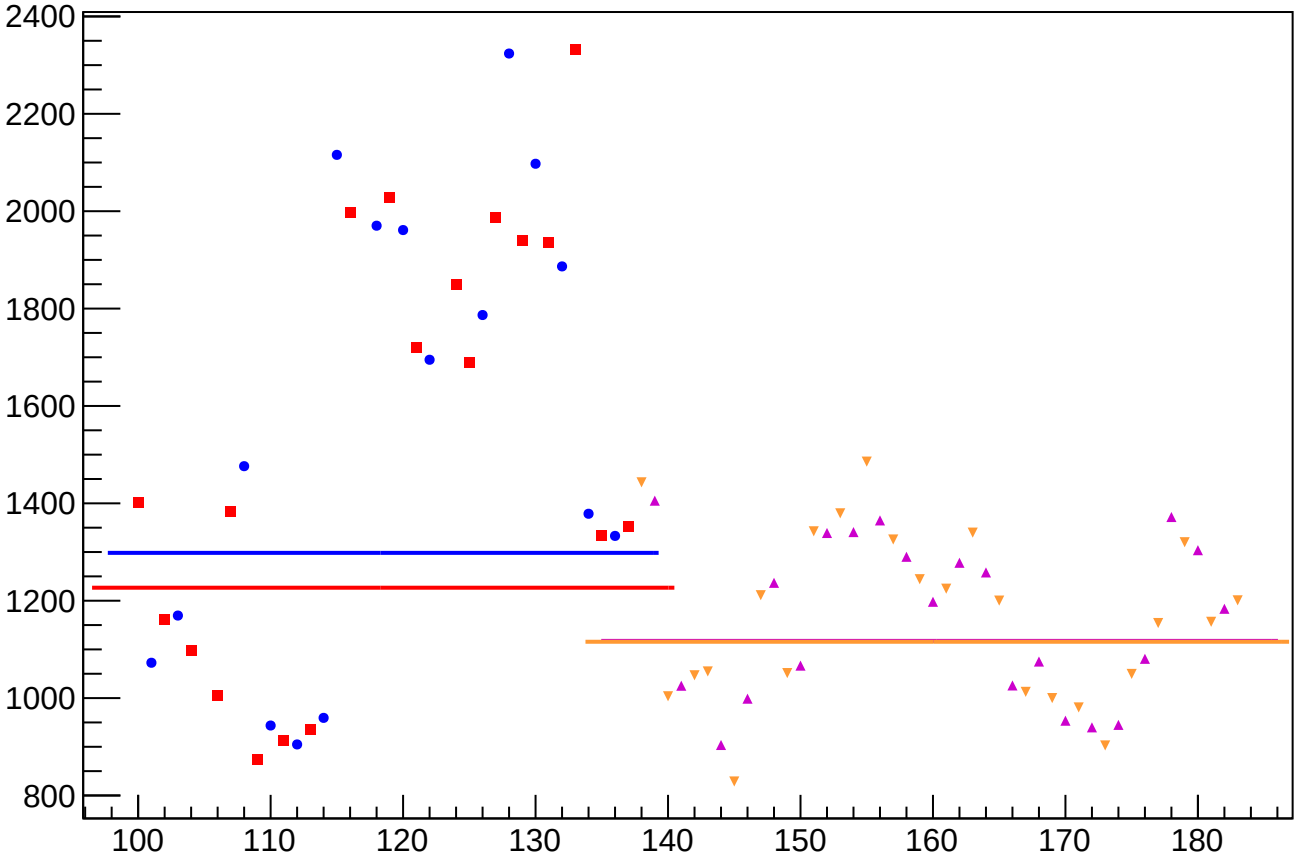
Left In: -270.997+/-266.531 χ^2/NDF:19.7/21

+ sign -1112.168+/-230.341 χ^2/NDF: 78.4/39

All: -791.031+/-163.523 χ^2/NDF: 117.8/80

- sign -464.739+/-232.182 χ^2/NDF: 35.5/40

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1115.726+/-0.183 χ^2/NDF:867279.4/23

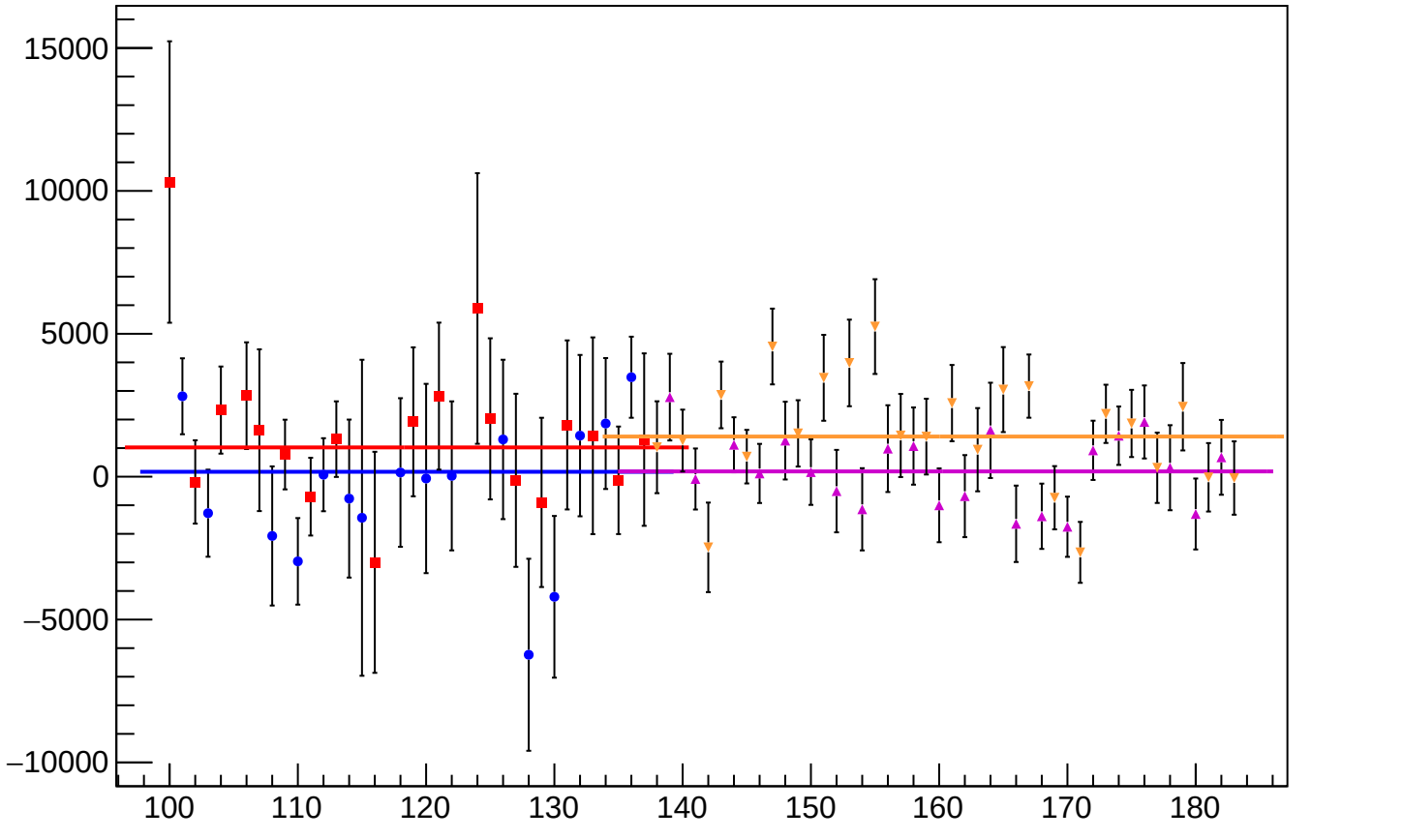
Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1117.483+/-0.188 χ^2/NDF:729175.6/21

+ sign 1153.528+/-0.163 χ^2/NDF: 2255689.6/39

All: 1148.716+/-0.116 χ^2/NDF: 4472171.2/80

- sign 1143.827+/-0.164 χ^2/NDF: 2214721.9/40



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1404.338+/-256.559 χ^2/NDF:51.7/23

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

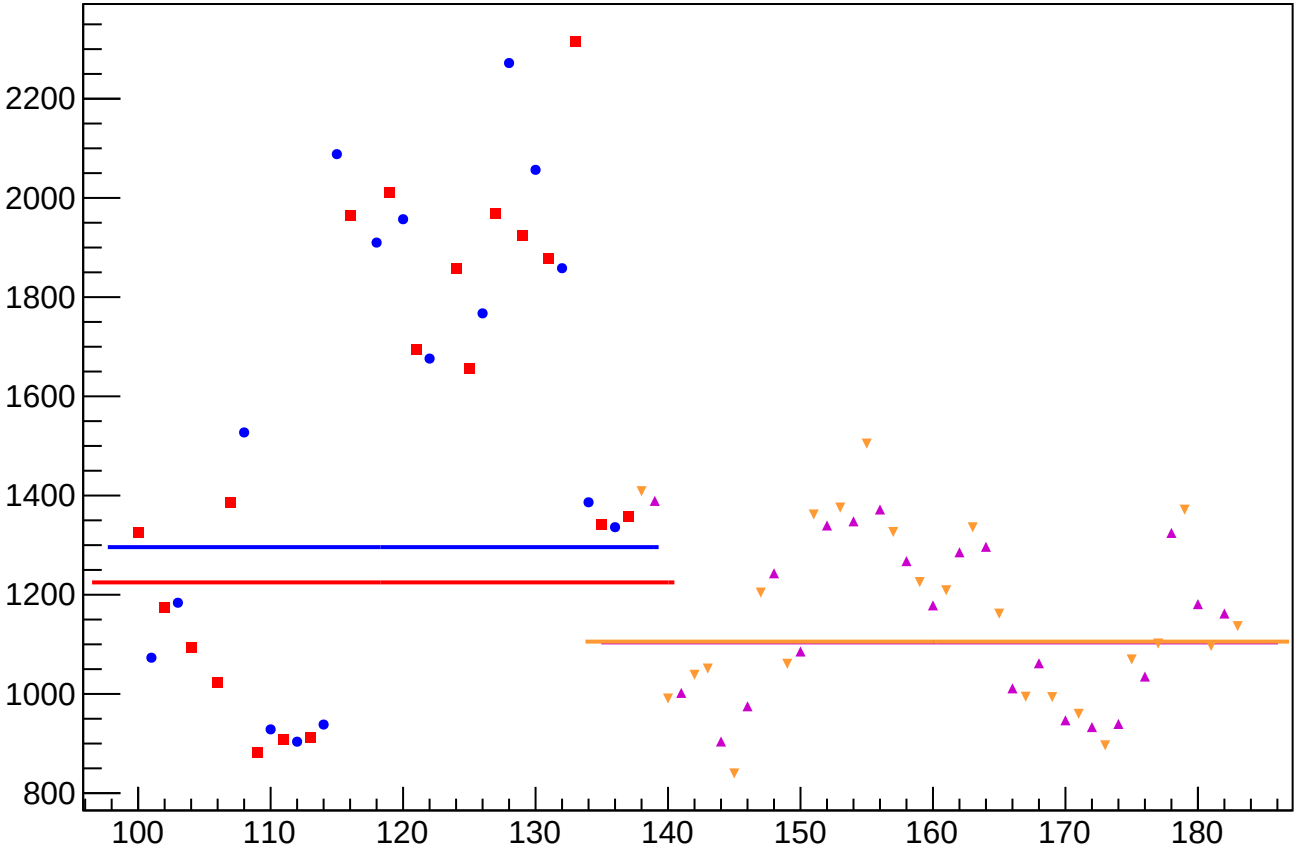
Left In: 183.815+/-263.293 χ^2/NDF:20.9/21

+ sign 1151.436+/-228.746 χ^2/NDF: 79.0/39

All: 769.281+/-162.168 χ^2/NDF: 119.4/80

- sign 383.132+/-229.939 χ^2/NDF: 34.8/40

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1105.497+/-0.181 χ^2/NDF:867558.1/23

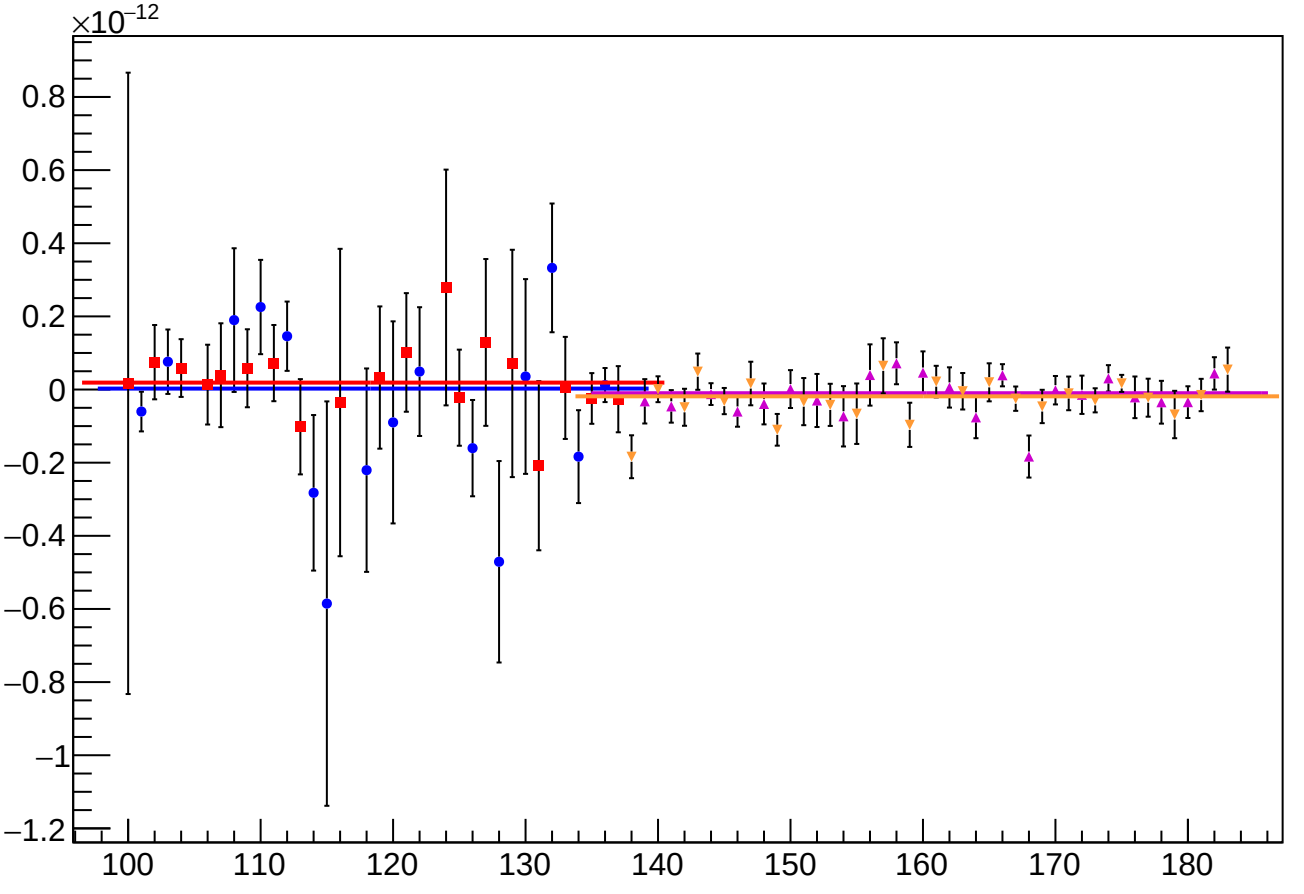
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1103.899+/-0.186 χ^2/NDF:719872.4/21

+ sign 1144.560+/-0.162 χ^2/NDF: 2247838.1/39

All: 1138.615+/-0.115 χ^2/NDF: 4441907.3/80

- sign 1132.608+/-0.163 χ^2/NDF: 2191353.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

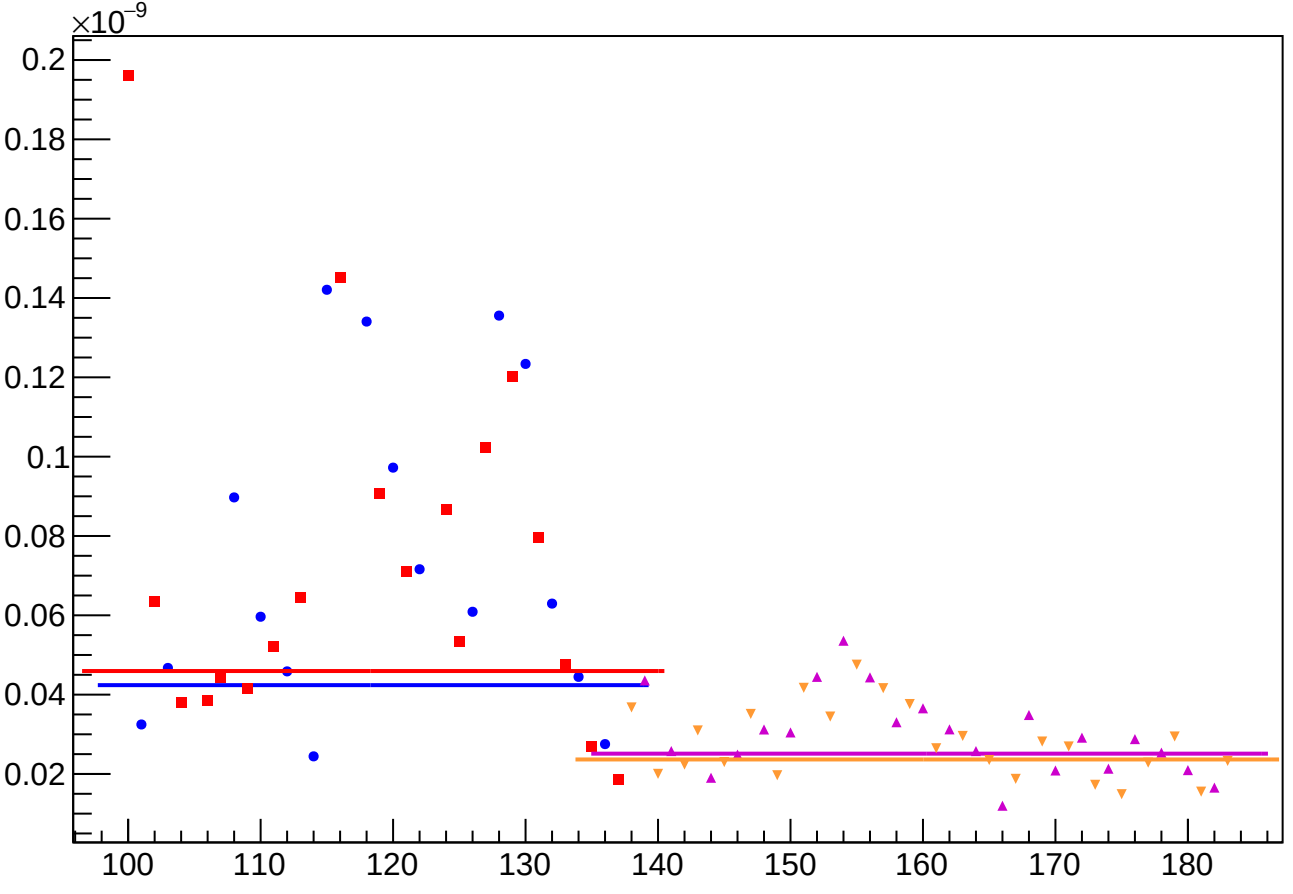
Left In: -0.000+/-0.000 χ^2/NDF:23.0/21

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/39

All: -0.000+/-0.000 χ^2/NDF: 77.2/80

- sign -0.000+/-0.000 χ^2/NDF: 28.7/40

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425862.9/23

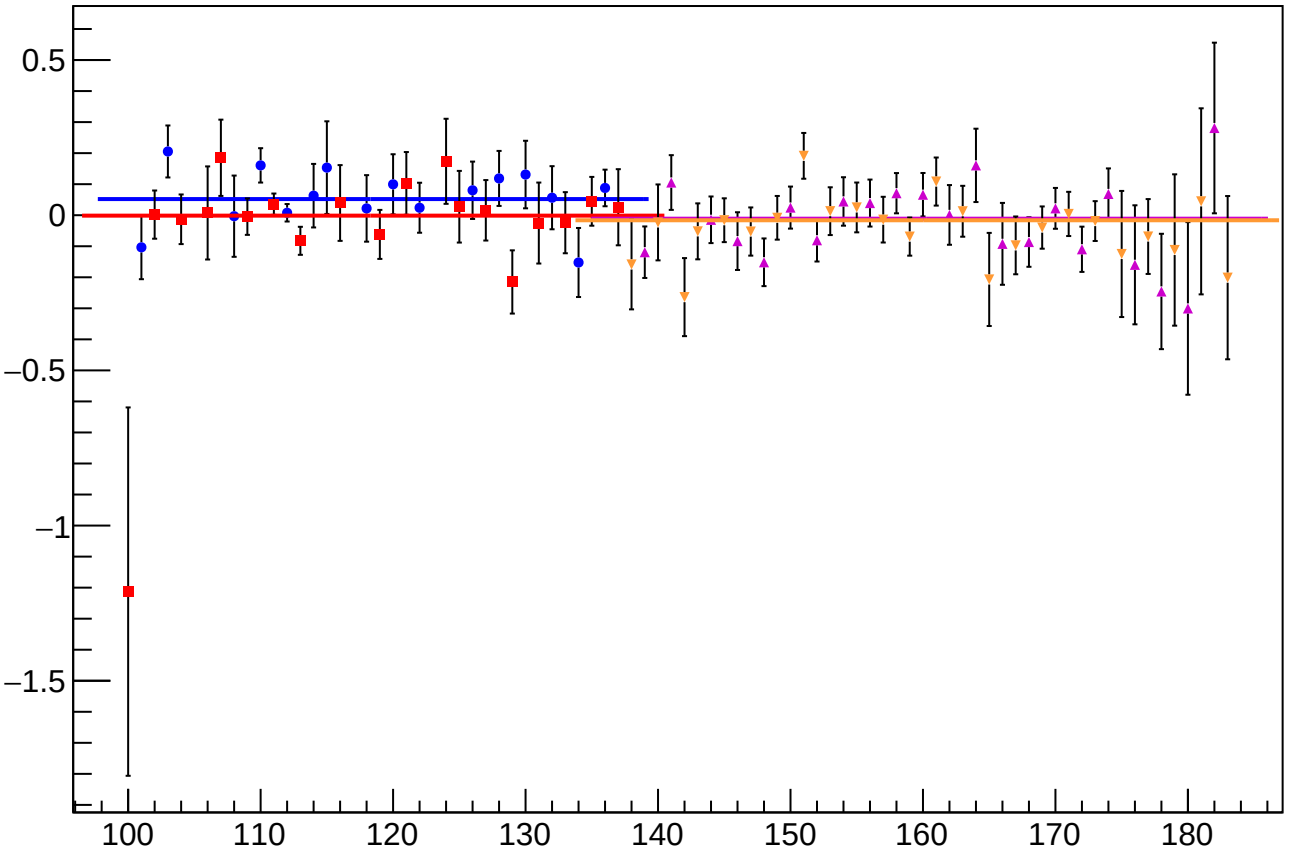
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1532979.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 3641128.4/39

All: 0.000+/-0.000 χ^2/NDF: 7257765.2/80

- sign 0.000+/-0.000 χ^2/NDF: 3577795.7/40



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.8/23

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

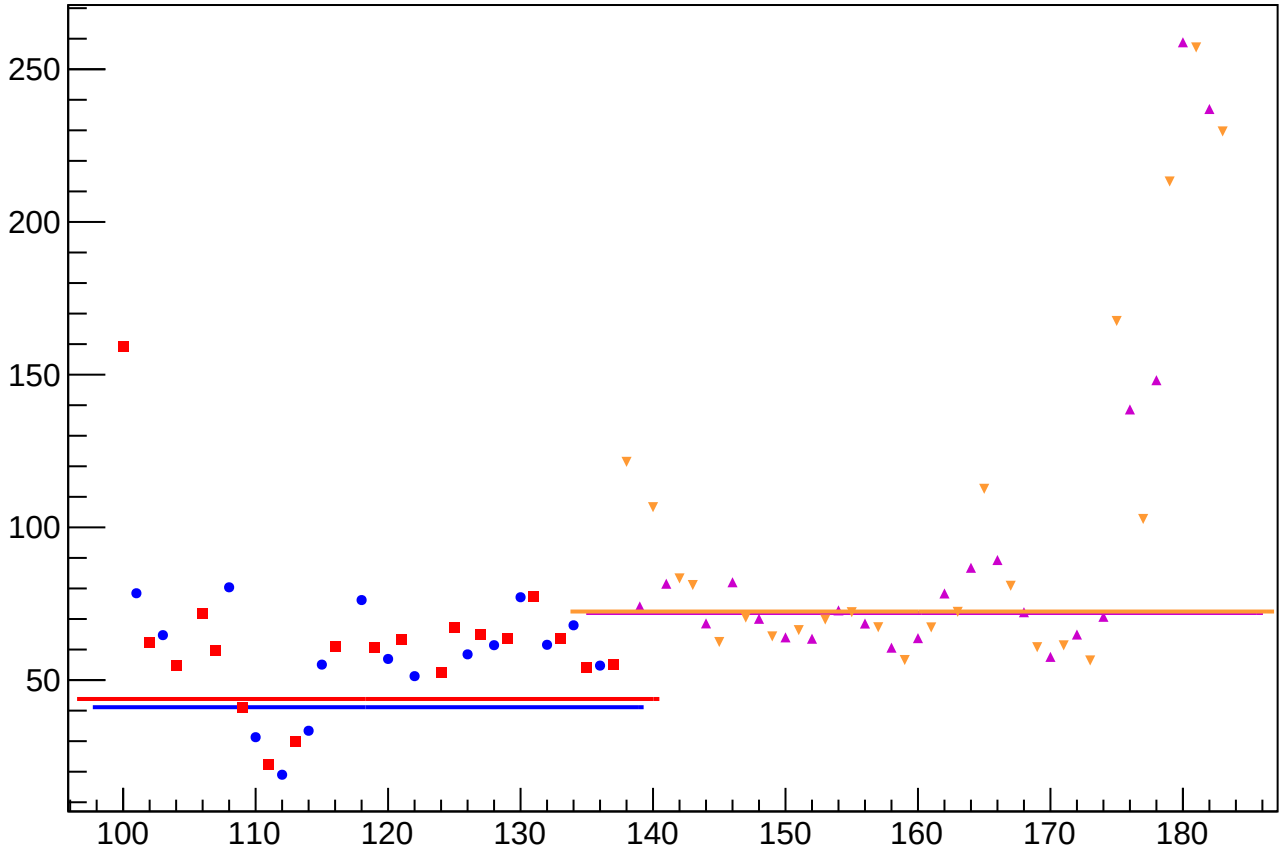
Left In: -0.011+/-0.018 χ^2/NDF:23.3/21

+ sign 0.018+/-0.013 χ^2/NDF: 46.0/39

All: 0.006+/-0.009 χ^2/NDF: 90.6/80

- sign -0.006+/-0.013 χ^2/NDF: 42.7/40

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.448+/-0.013 χ^2/NDF:3752413.8/23

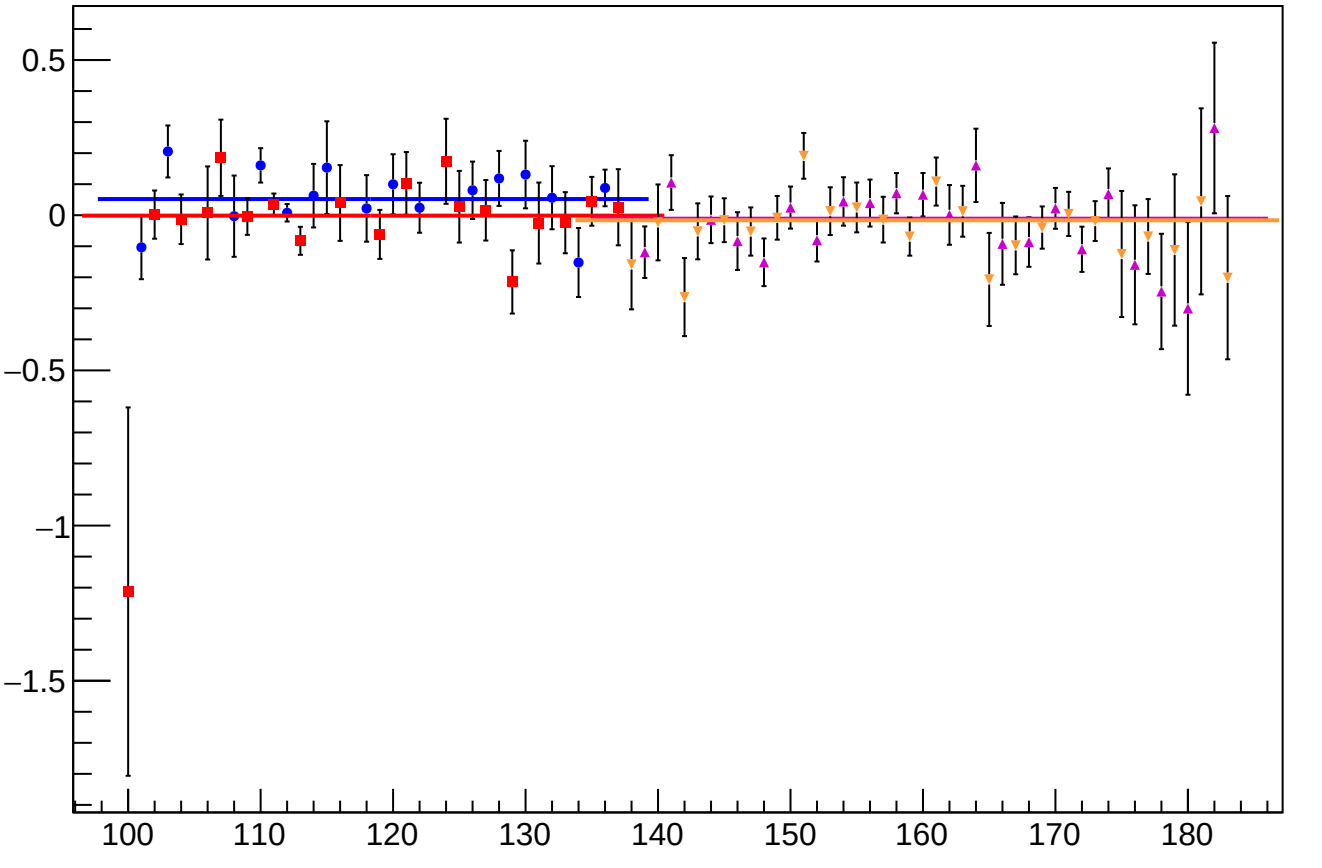
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.968+/-0.013 χ^2/NDF:2595948.5/21

+ sign 56.601+/-0.009 χ^2/NDF: 9748799.8/39

All: 57.100+/-0.006 χ^2/NDF: 16817116.0/80

- sign 57.612+/-0.009 χ^2/NDF: 7061998.2/40



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.8/23

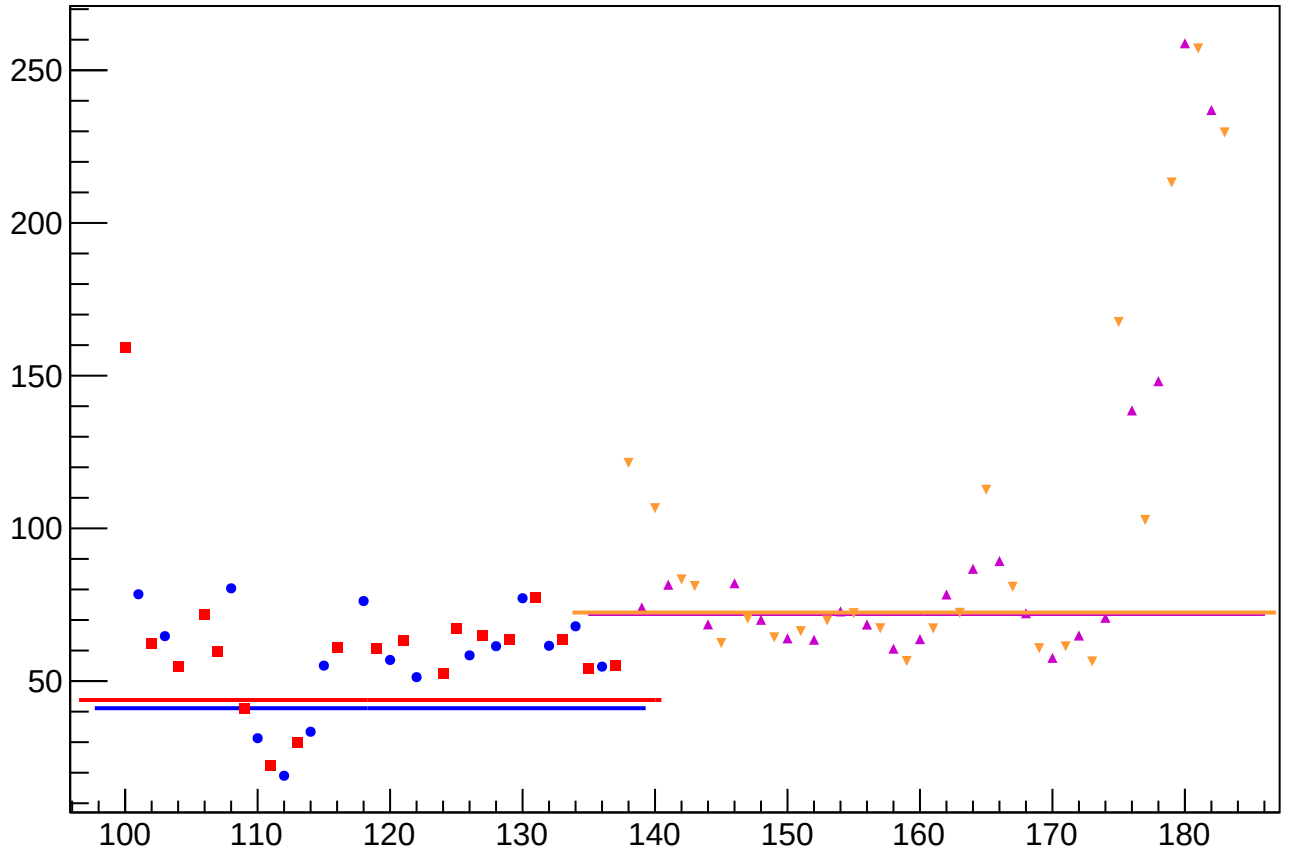
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:23.3/21

+ sign 0.018+/-0.013 χ^2/NDF: 46.0/39

All: 0.006+/-0.009 χ^2/NDF: 90.6/80

- sign -0.006+/-0.013 χ^2/NDF: 42.7/40



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.448+/-0.013 χ^2/NDF:3752413.8/23

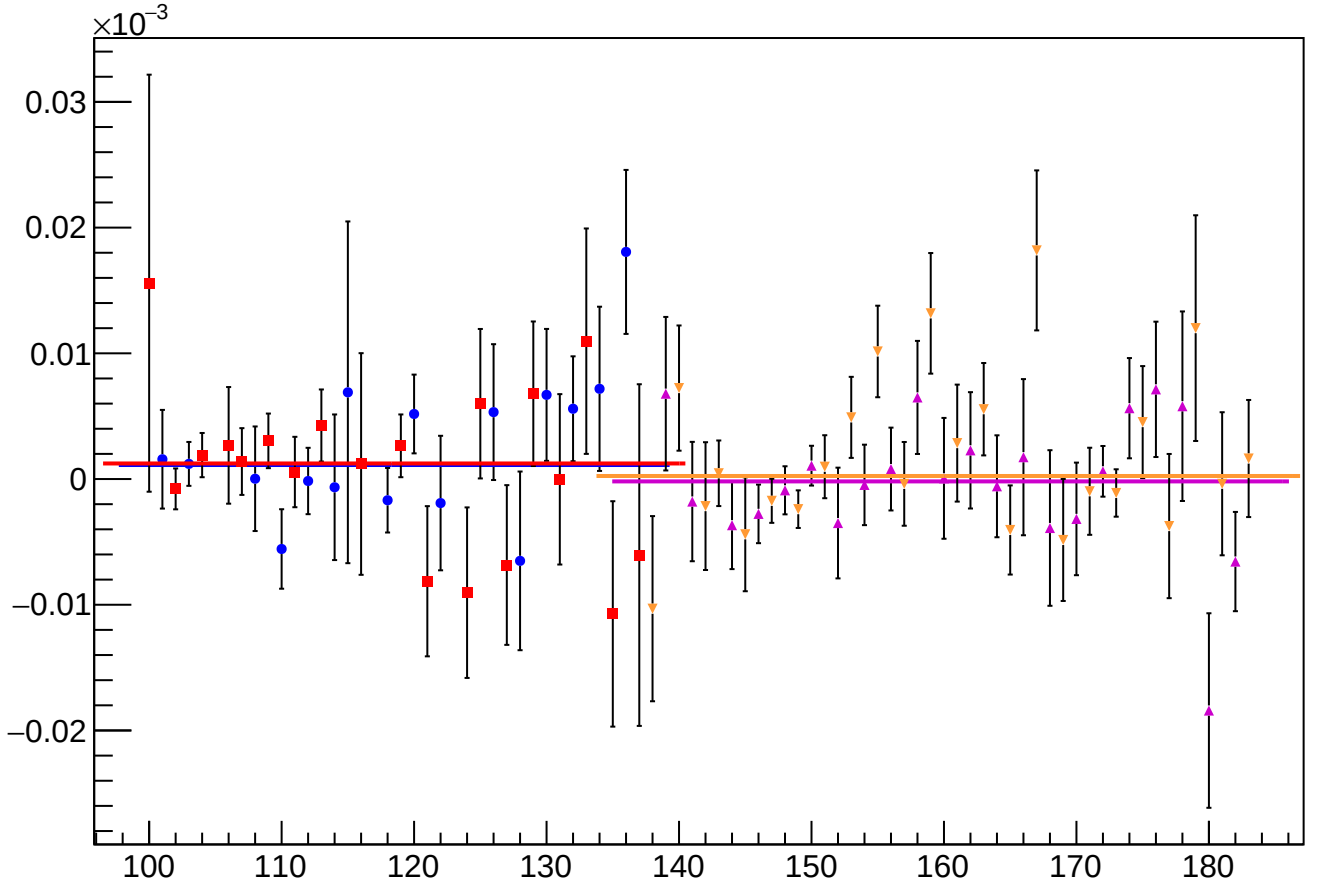
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.968+/-0.013 χ^2/NDF:2595948.5/21

+ sign 56.601+/-0.009 χ^2/NDF: 9748799.8/39

All: 57.100+/-0.006 χ^2/NDF: 16817116.0/80

- sign 57.612+/-0.009 χ^2/NDF: 7061998.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/23

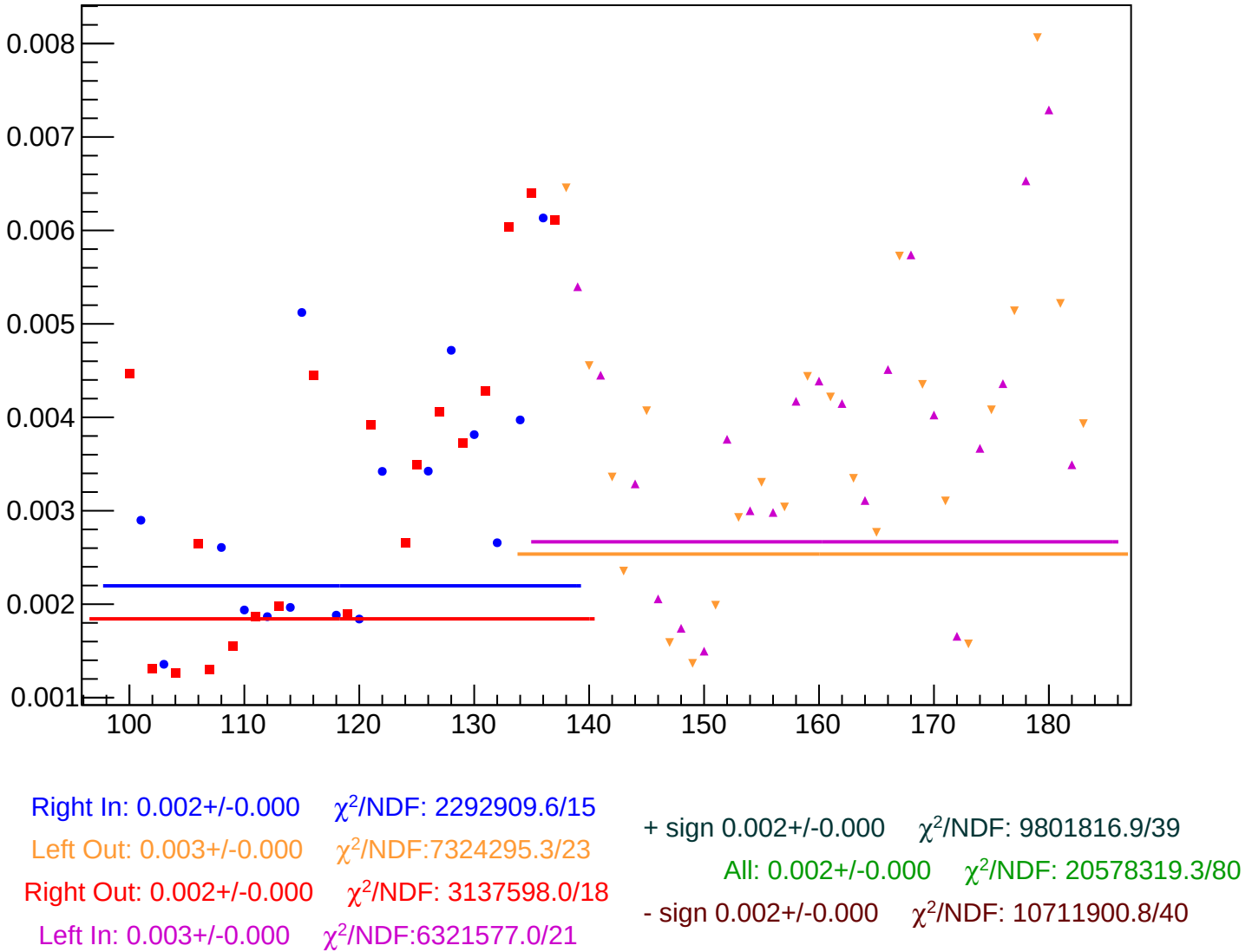
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

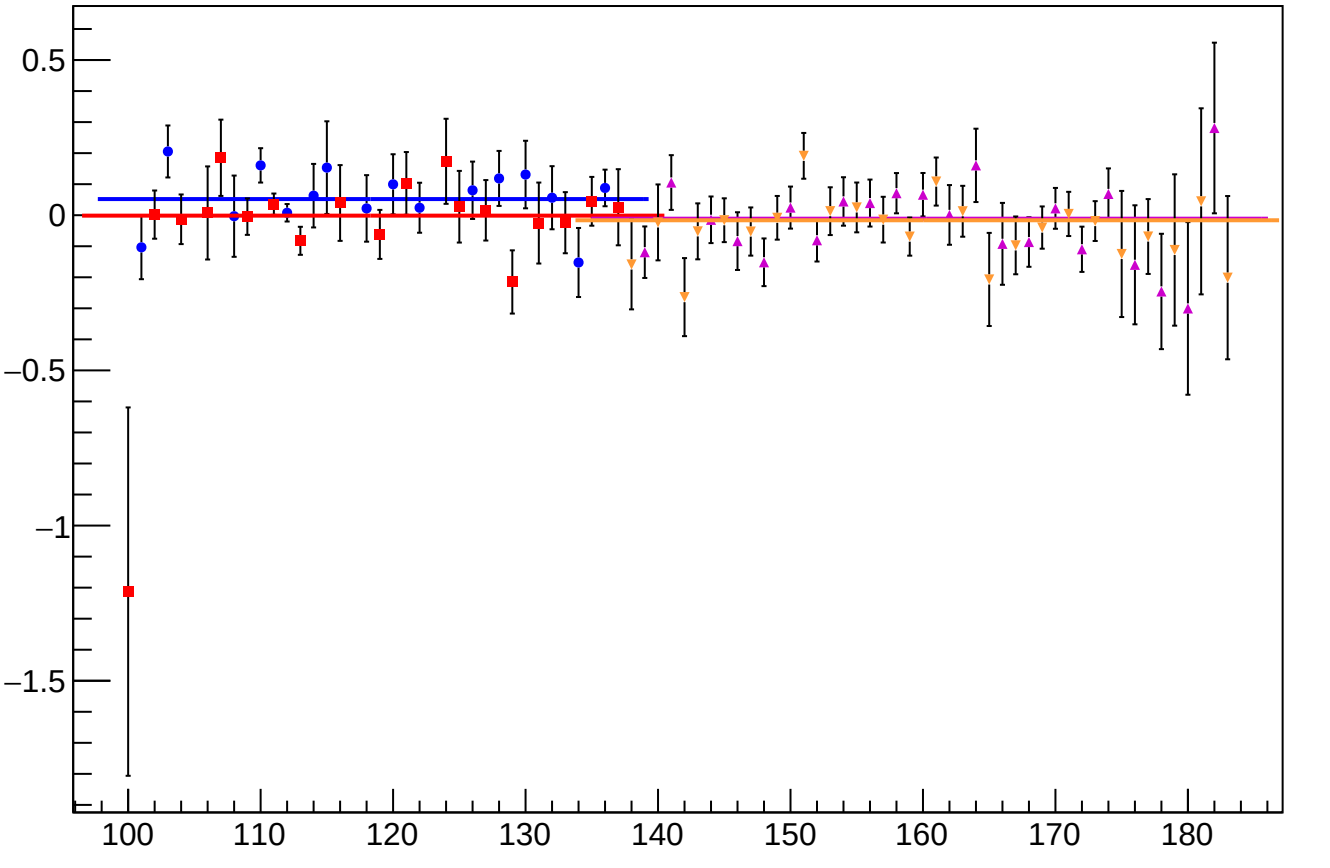
Left In: -0.000+/-0.000 χ^2/NDF:21.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/39

All: 0.000+/-0.000 χ^2/NDF: 103.1/80

- sign 0.000+/-0.000 χ^2/NDF: 39.2/40


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2292909.6/15
Left Out: 0.003+/-0.000 χ²/NDF:7324295.3/23
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.003+/-0.000 χ²/NDF:6321577.0/21
+ sign 0.002+/-0.000 χ²/NDF: 9801816.9/39
All: 0.002+/-0.000 χ²/NDF: 20578319.3/80
- sign 0.002+/-0.000 χ²/NDF: 10711900.8/40



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.8/23

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

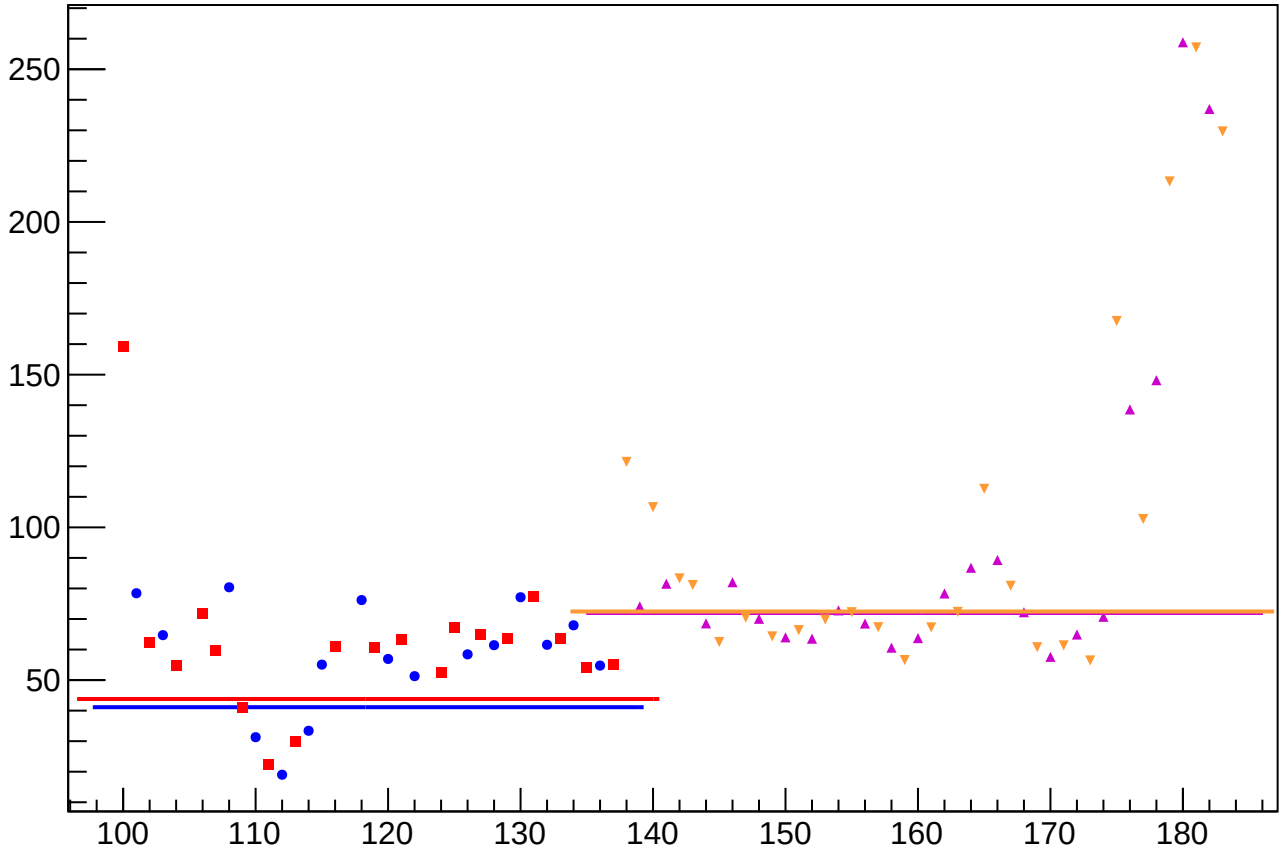
Left In: -0.011+/-0.018 χ^2/NDF:23.3/21

+ sign 0.018+/-0.013 χ^2/NDF: 46.0/39

All: 0.006+/-0.009 χ^2/NDF: 90.6/80

- sign -0.006+/-0.013 χ^2/NDF: 42.7/40

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.449+/-0.013 χ^2/NDF:3752360.8/23

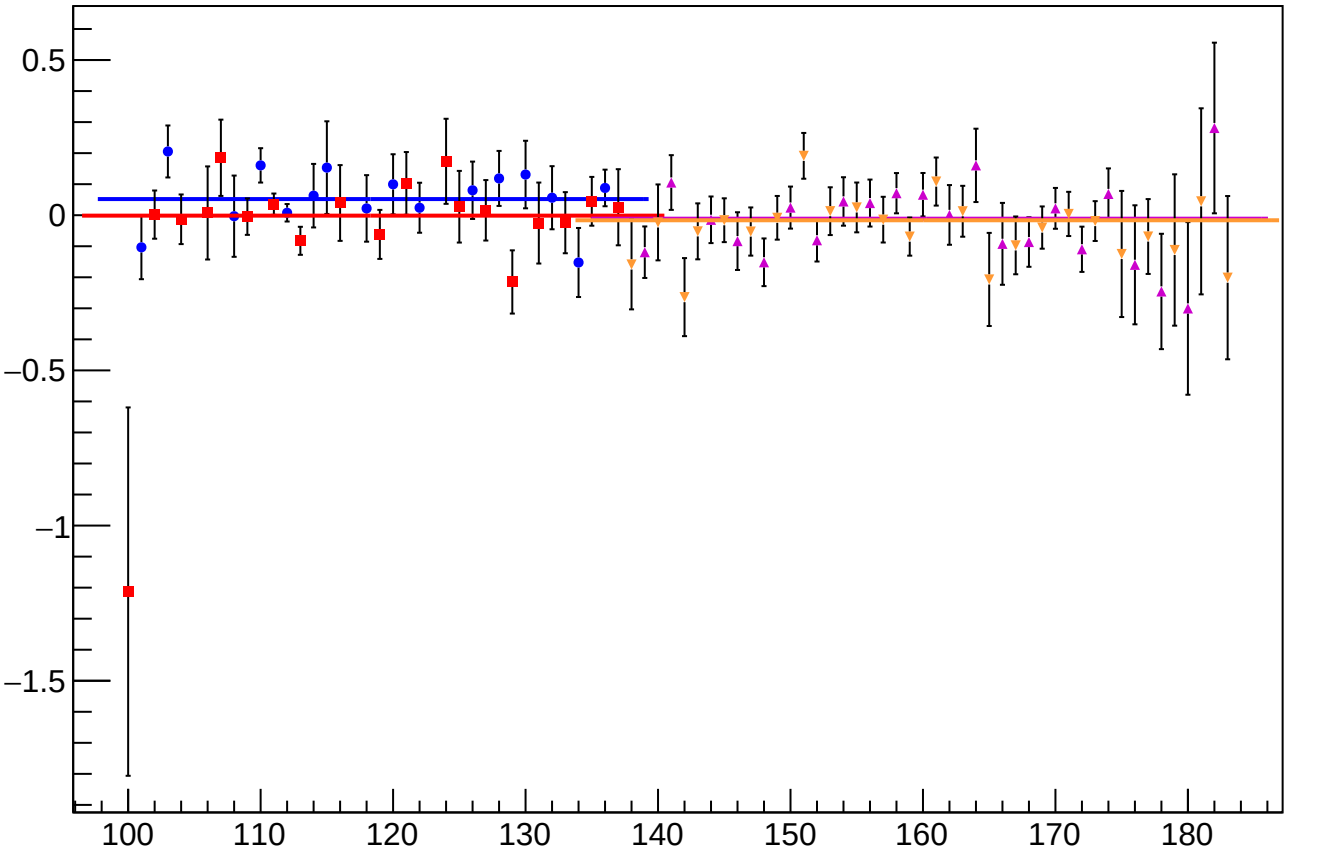
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.968+/-0.013 χ^2/NDF:2595880.0/21

+ sign 56.601+/-0.009 χ^2/NDF: 9749231.5/39

All: 57.100+/-0.006 χ^2/NDF: 16817926.1/80

- sign 57.612+/-0.009 χ^2/NDF: 7062375.9/40



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.8/23

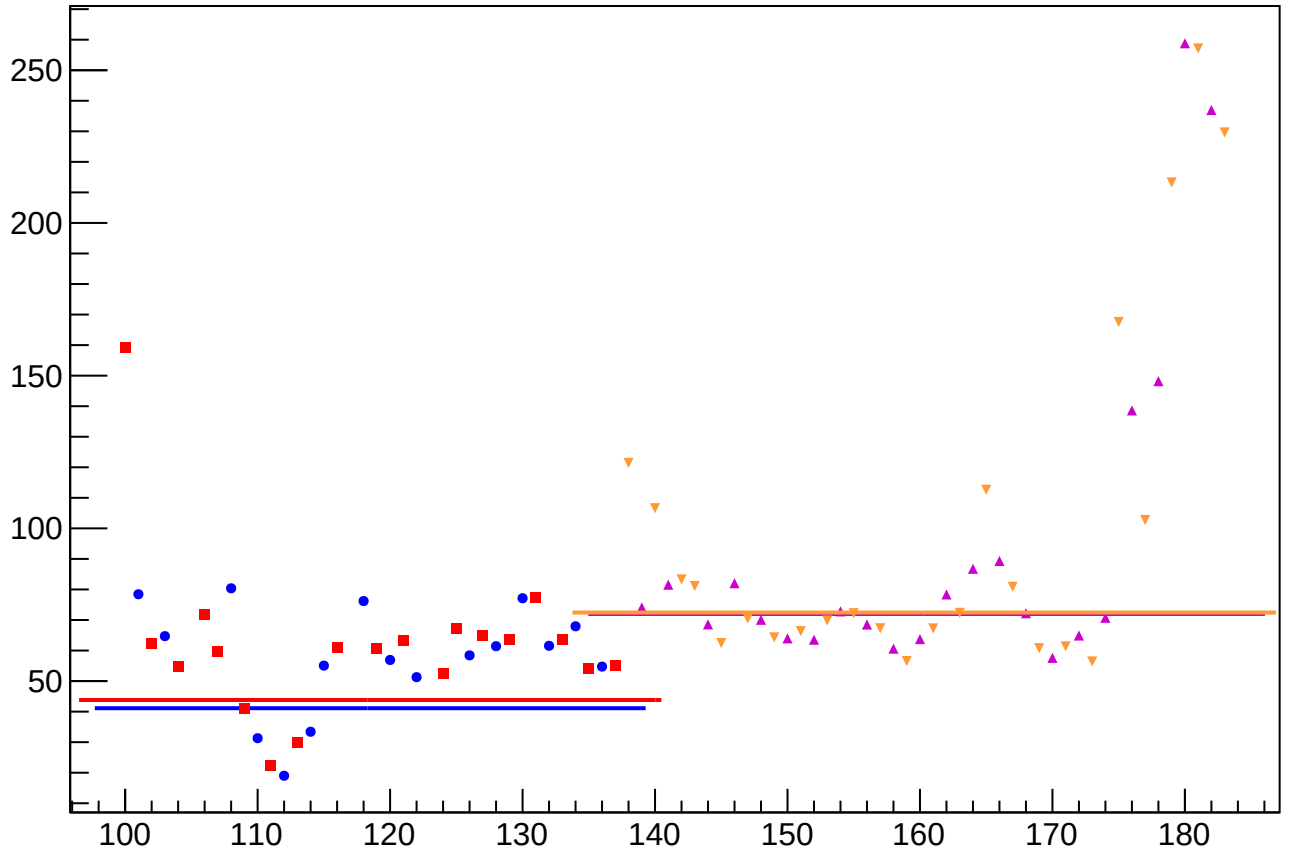
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:23.3/21

+ sign 0.018+/-0.013 χ^2/NDF: 46.0/39

All: 0.006+/-0.009 χ^2/NDF: 90.6/80

- sign -0.006+/-0.013 χ^2/NDF: 42.7/40



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.449+/-0.013 χ^2/NDF:3752360.8/23

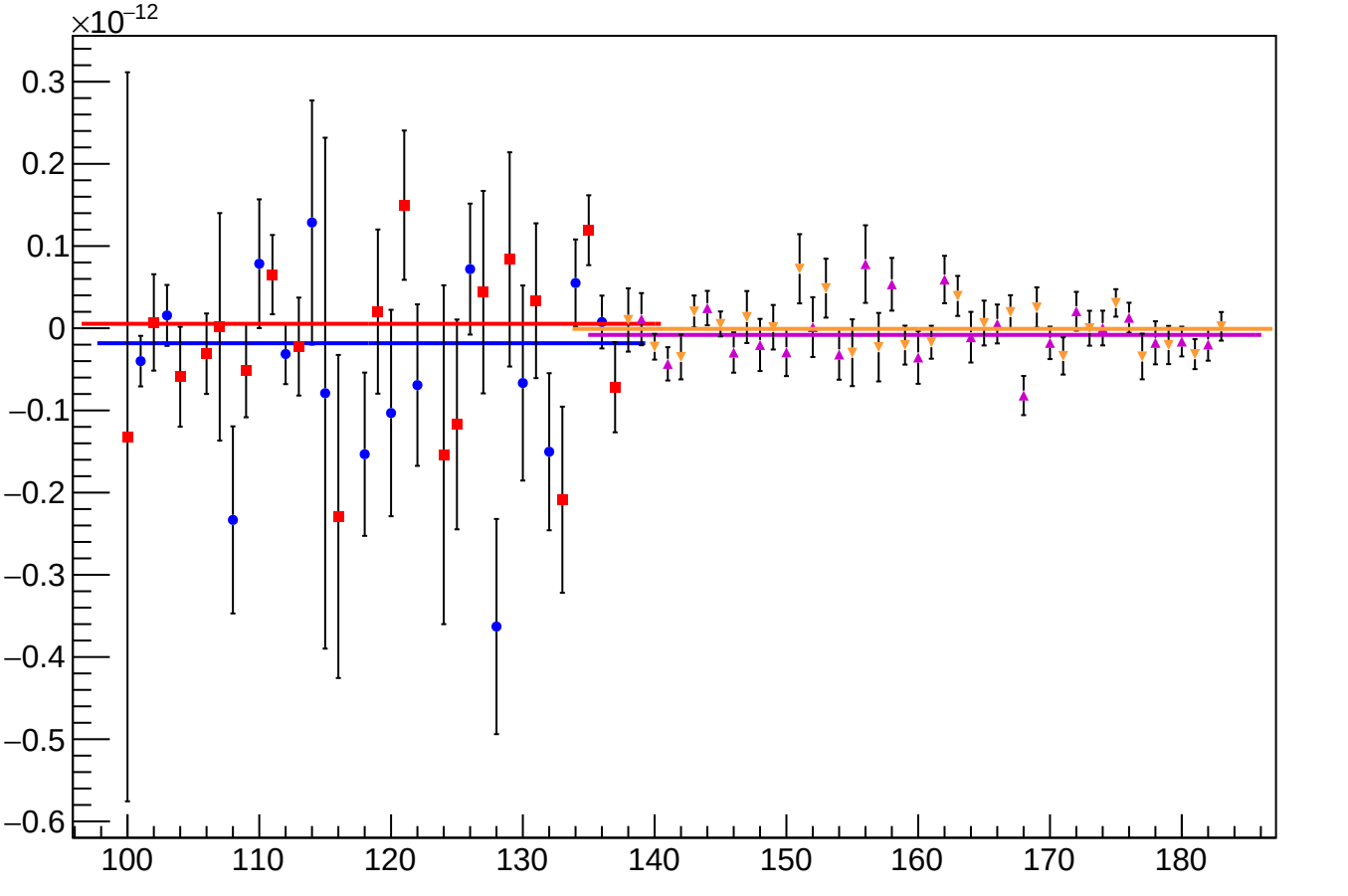
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.968+/-0.013 χ^2/NDF:2595880.0/21

+ sign 56.601+/-0.009 χ^2/NDF: 9749231.5/39

All: 57.100+/-0.006 χ^2/NDF: 16817926.1/80

- sign 57.612+/-0.009 χ^2/NDF: 7062375.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/23

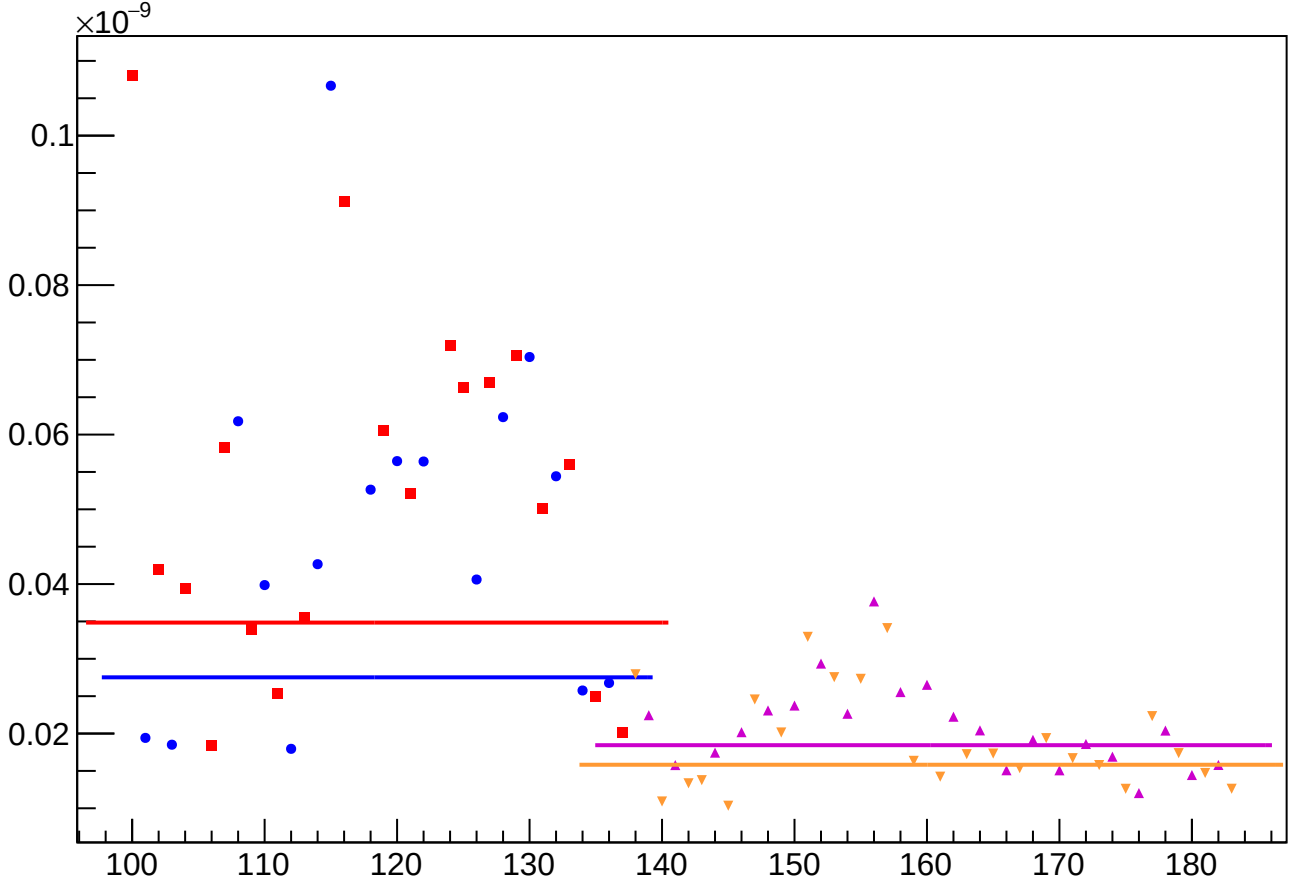
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:34.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 52.2/39

All: -0.000+/-0.000 χ^2/NDF: 111.4/80

- sign -0.000+/-0.000 χ^2/NDF: 58.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2328707.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

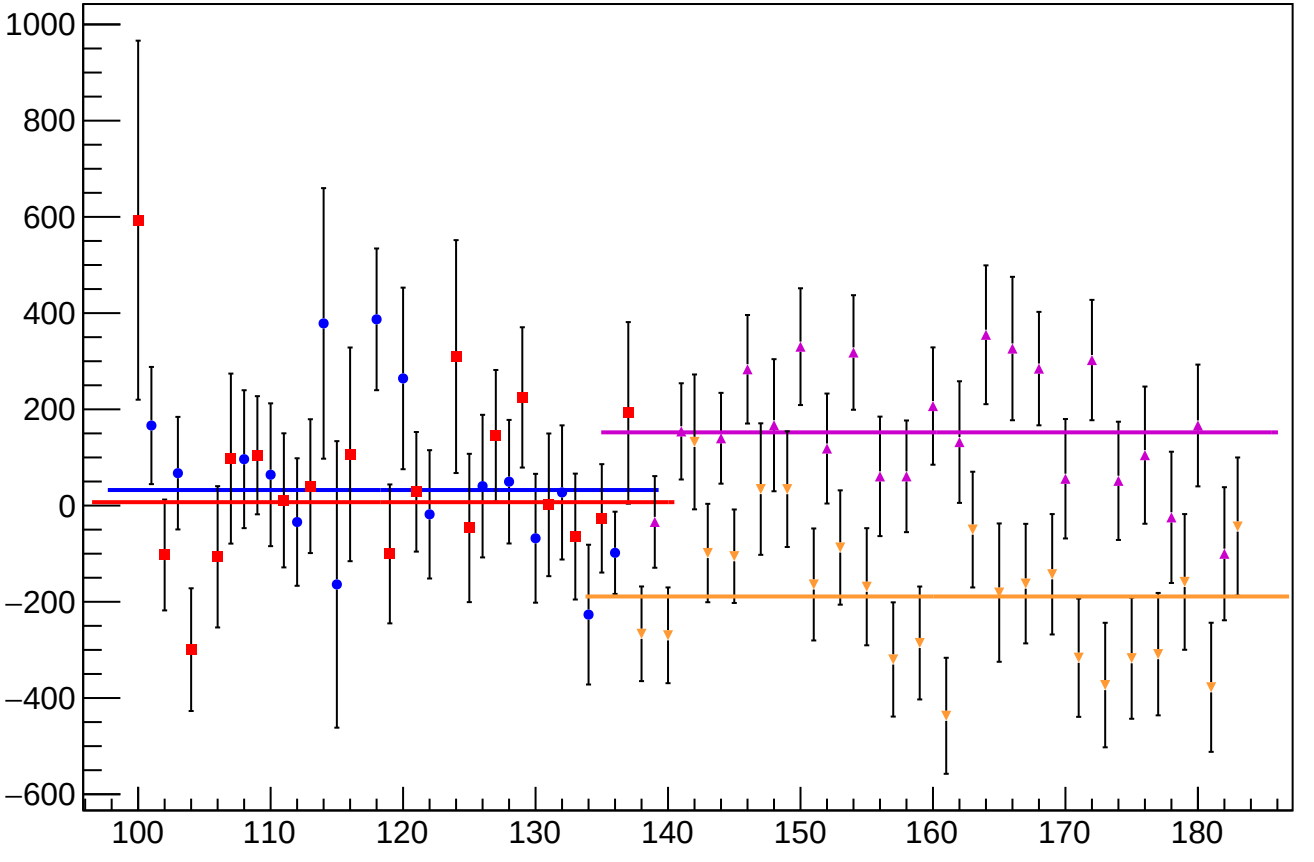
Left In: 0.000+/-0.000 χ^2/NDF:1511764.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 5322324.2/39

All: 0.000+/-0.000 χ^2/NDF: 10671994.4/80

- sign 0.000+/-0.000 χ^2/NDF: 4946123.4/40

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -188.969+/-24.578 χ^2/NDF:30.7/23

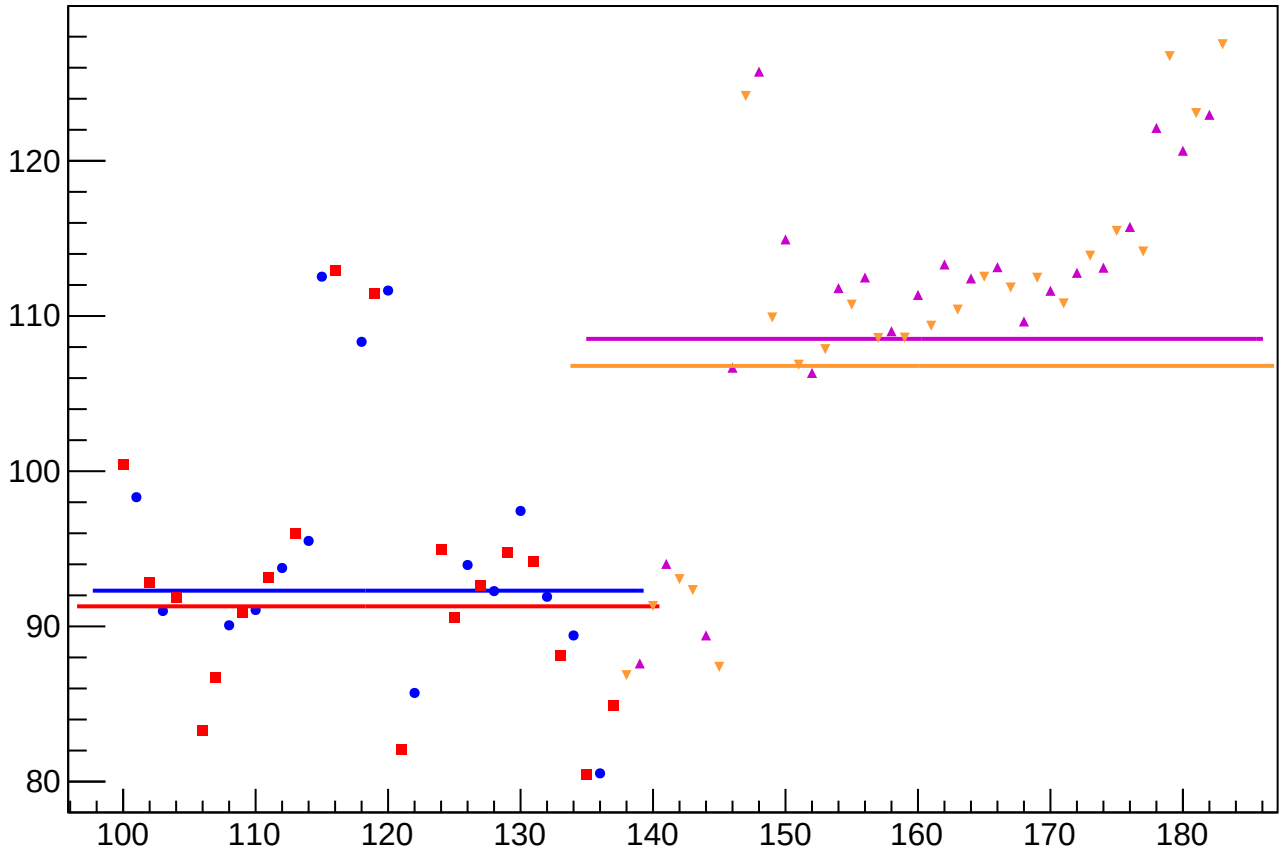
Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 152.169+/-25.684 χ^2/NDF:23.2/21

+ sign -114.271+/-20.004 χ^2/NDF: 75.4/39

All: -9.889+/-14.271 χ^2/NDF: 183.7/80

- sign 98.291+/-20.365 χ^2/NDF: 52.9/40



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.787+/-0.017 χ^2/NDF:455230.1/23

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

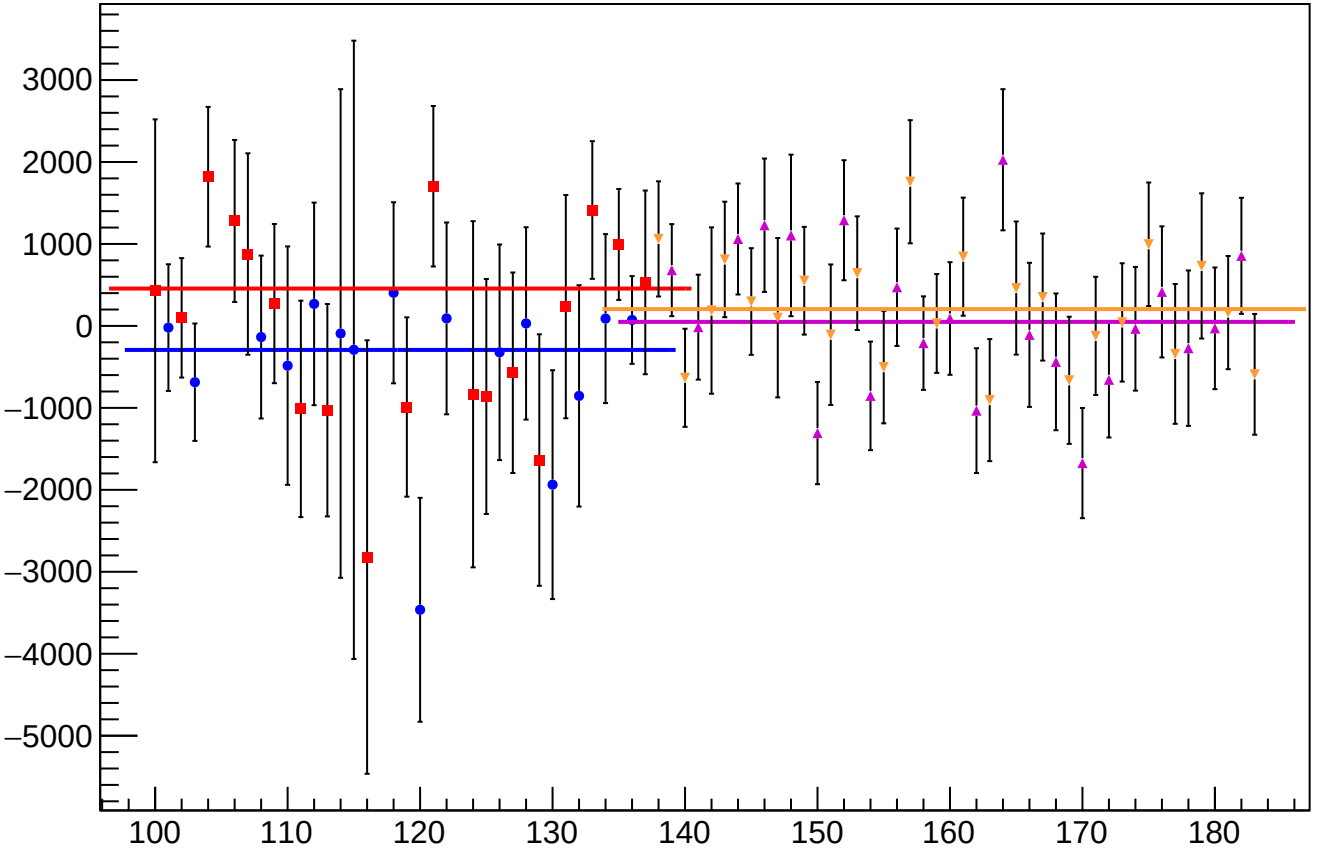
Left In: 108.528+/-0.018 χ^2/NDF:341360.7/21

+ sign 101.897+/-0.014 χ^2/NDF: 796782.7/39

All: 102.011+/-0.010 χ^2/NDF: 1577744.6/80

- sign 102.128+/-0.014 χ^2/NDF: 780830.4/40

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 205.008+/-150.094 χ^2/NDF:18.1/23

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

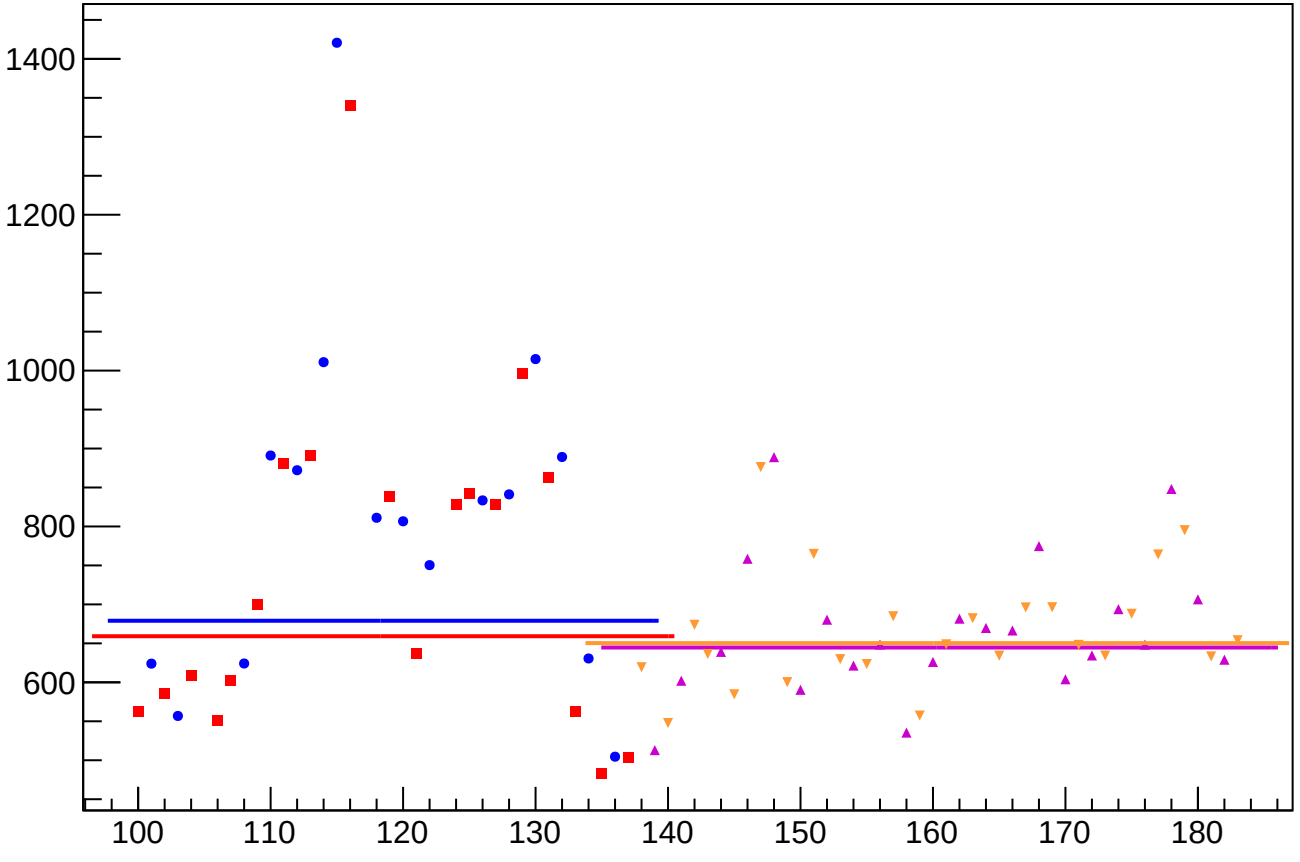
Left In: 49.105+/-153.471 χ^2/NDF:33.6/21

+ sign 80.367+/-129.950 χ^2/NDF: 29.7/39

All: 120.611+/-92.120 χ^2/NDF: 82.3/80

- sign 161.263+/-130.608 χ^2/NDF: 52.4/40

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 650.337+/-0.106 χ^2/NDF:411445.7/23

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

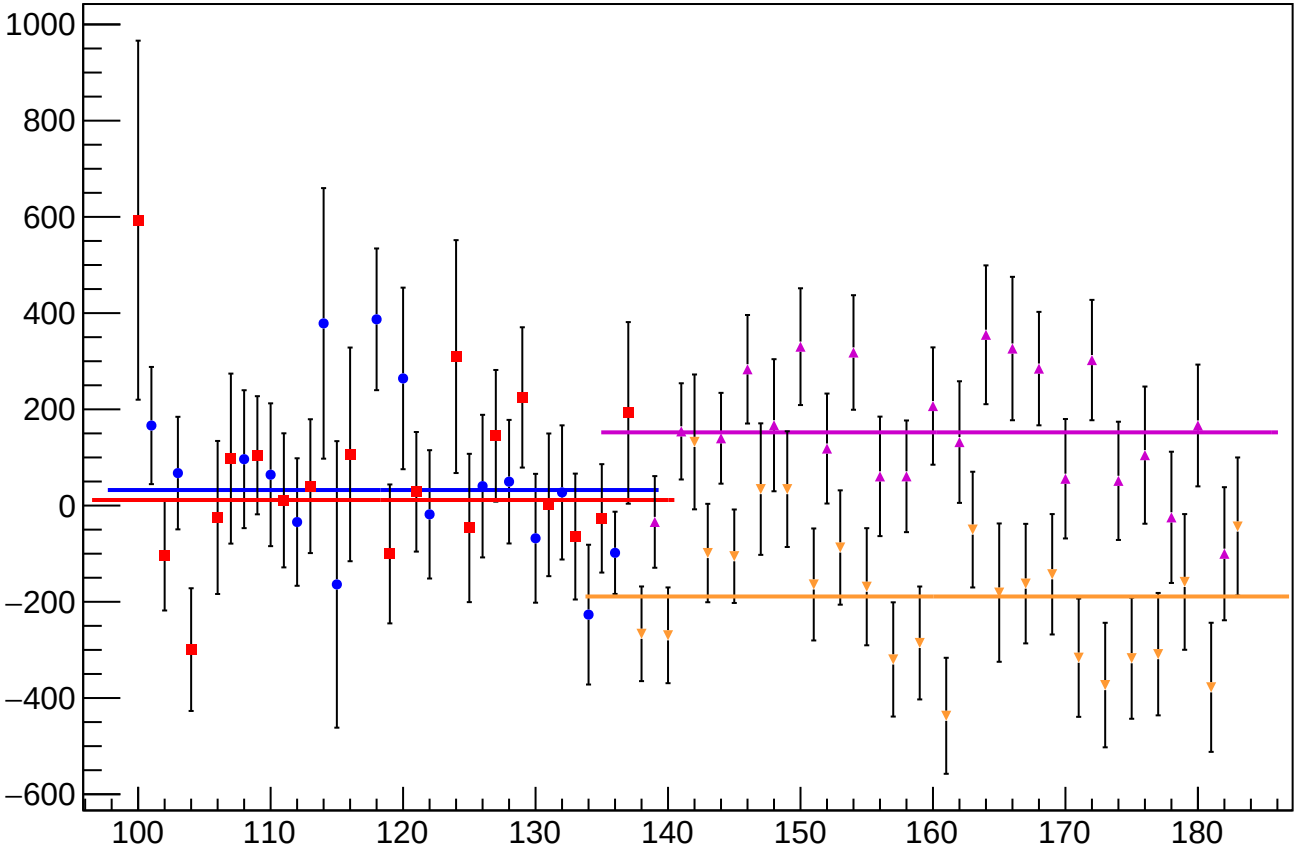
Left In: 644.663+/-0.109 χ^2/NDF:557503.2/21

\+ sign 657.515+/-0.092 χ^2/NDF: 1197696.3/39

All: 653.106+/-0.065 χ^2/NDF: 2560607.4/80

\- sign 648.653+/-0.092 χ^2/NDF: 1358284.0/40

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -188.969+/-24.578 χ^2/NDF:30.7/23

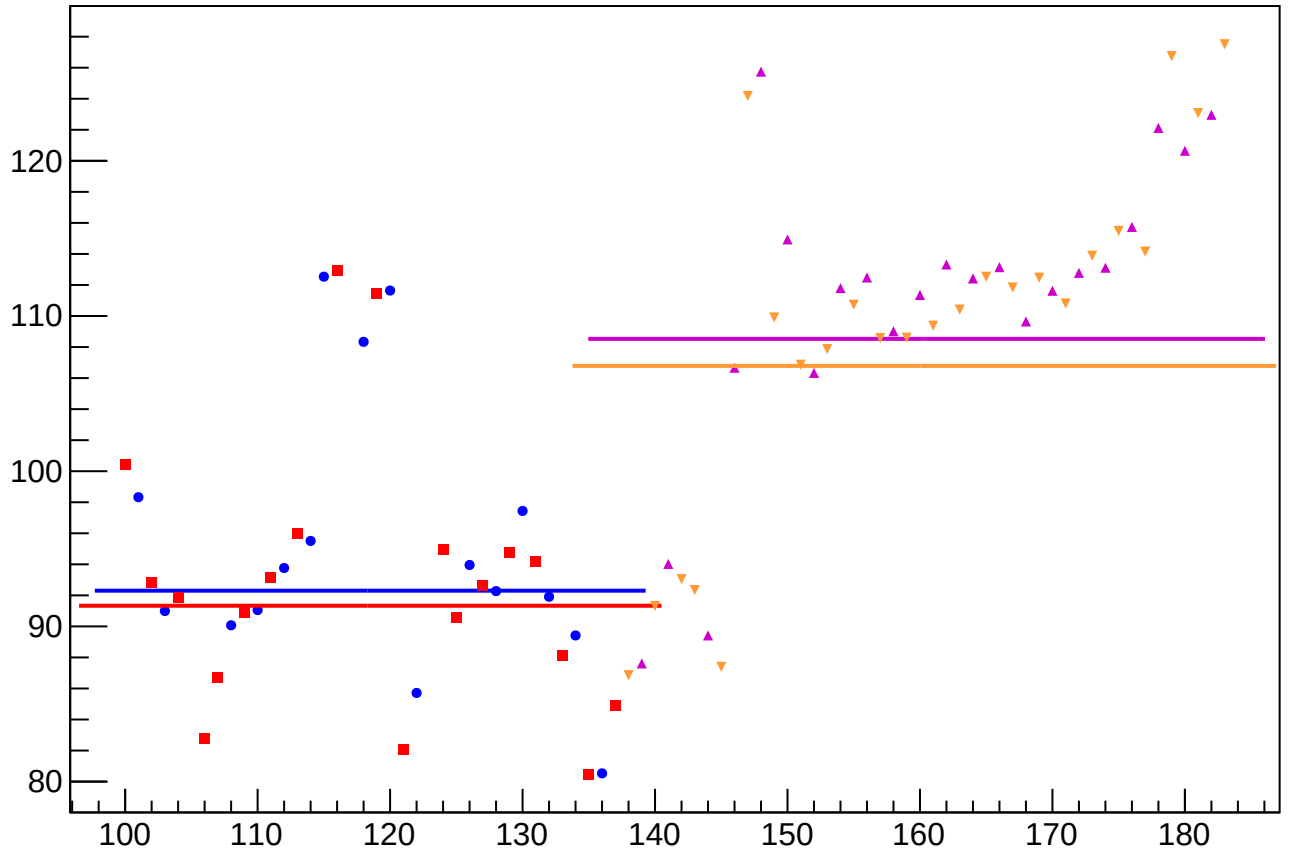
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 152.174+/-25.684 χ^2/NDF:23.2/21

+ sign -114.266+/-20.004 χ^2/NDF: 75.4/39

All: -9.092+/-14.281 χ^2/NDF: 183.2/80

- sign 100.219+/-20.394 χ^2/NDF: 51.5/40



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.787+/-0.017 χ^2/NDF:455230.1/23

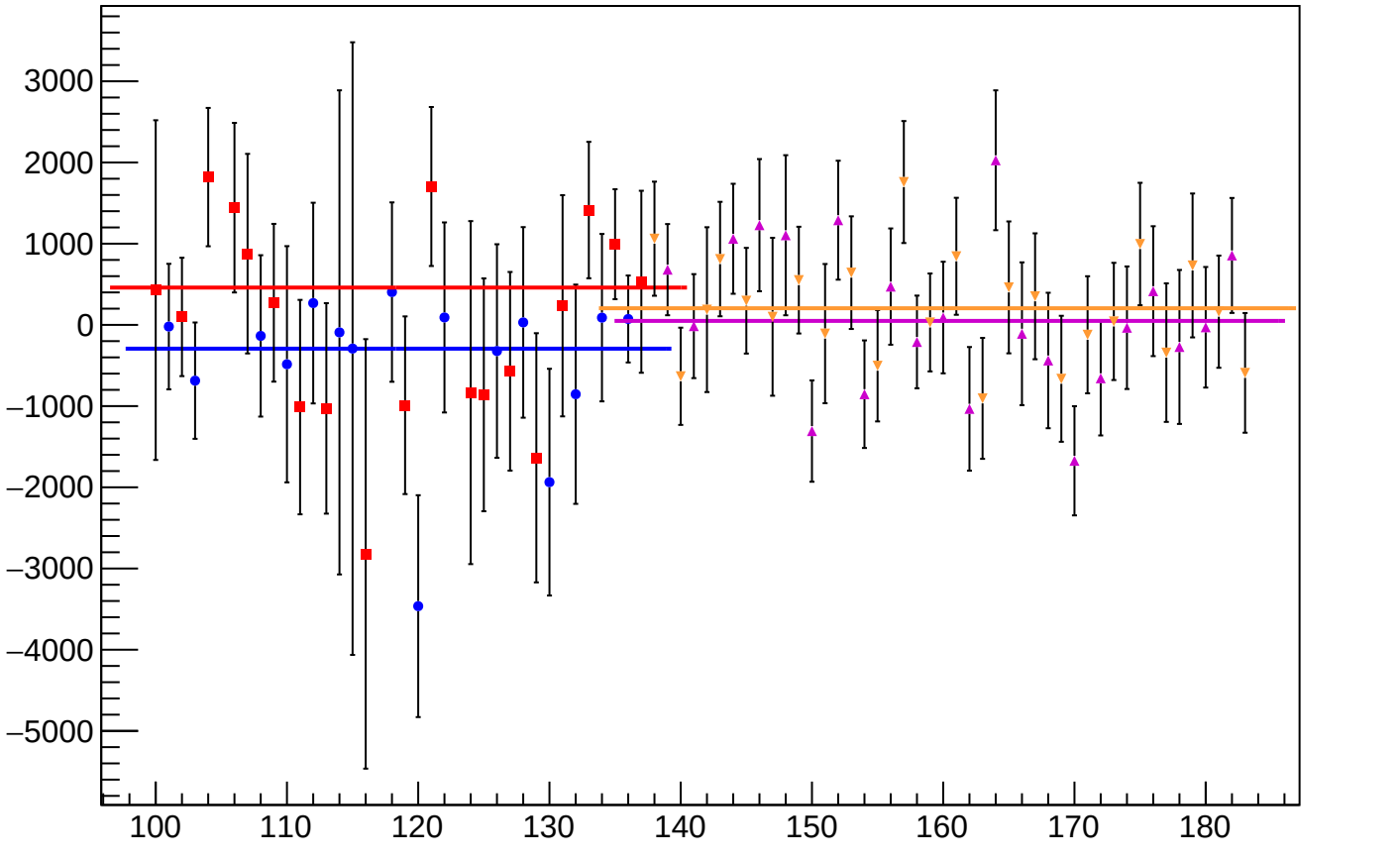
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.528+/-0.018 χ^2/NDF:341360.7/21

+ sign 101.897+/-0.014 χ^2/NDF: 796782.6/39

All: 102.033+/-0.010 χ^2/NDF: 1574530.0/80

- sign 102.173+/-0.014 χ^2/NDF: 777560.1/40



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 205.004+/-150.094 χ^2/NDF:18.2/23

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

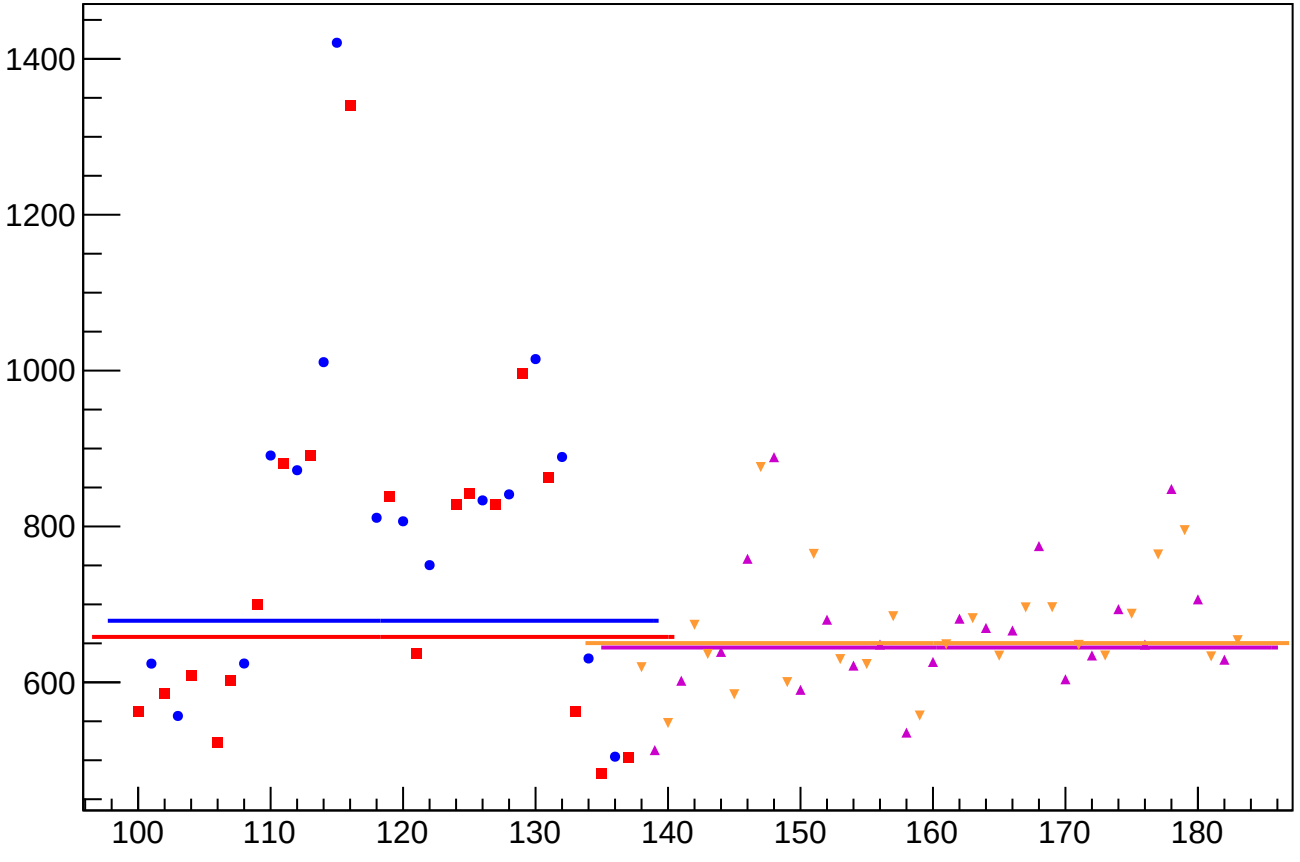
Left In: 49.106+/-153.471 χ^2/NDF:33.6/21

\+ sign 80.364+/-129.950 χ^2/NDF: 29.7/39

All: 120.819+/-92.162 χ^2/NDF: 82.6/80

\- sign 161.759+/-130.727 χ^2/NDF: 52.7/40

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 650.337+/-0.106 χ^2/NDF:411446.5/23

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

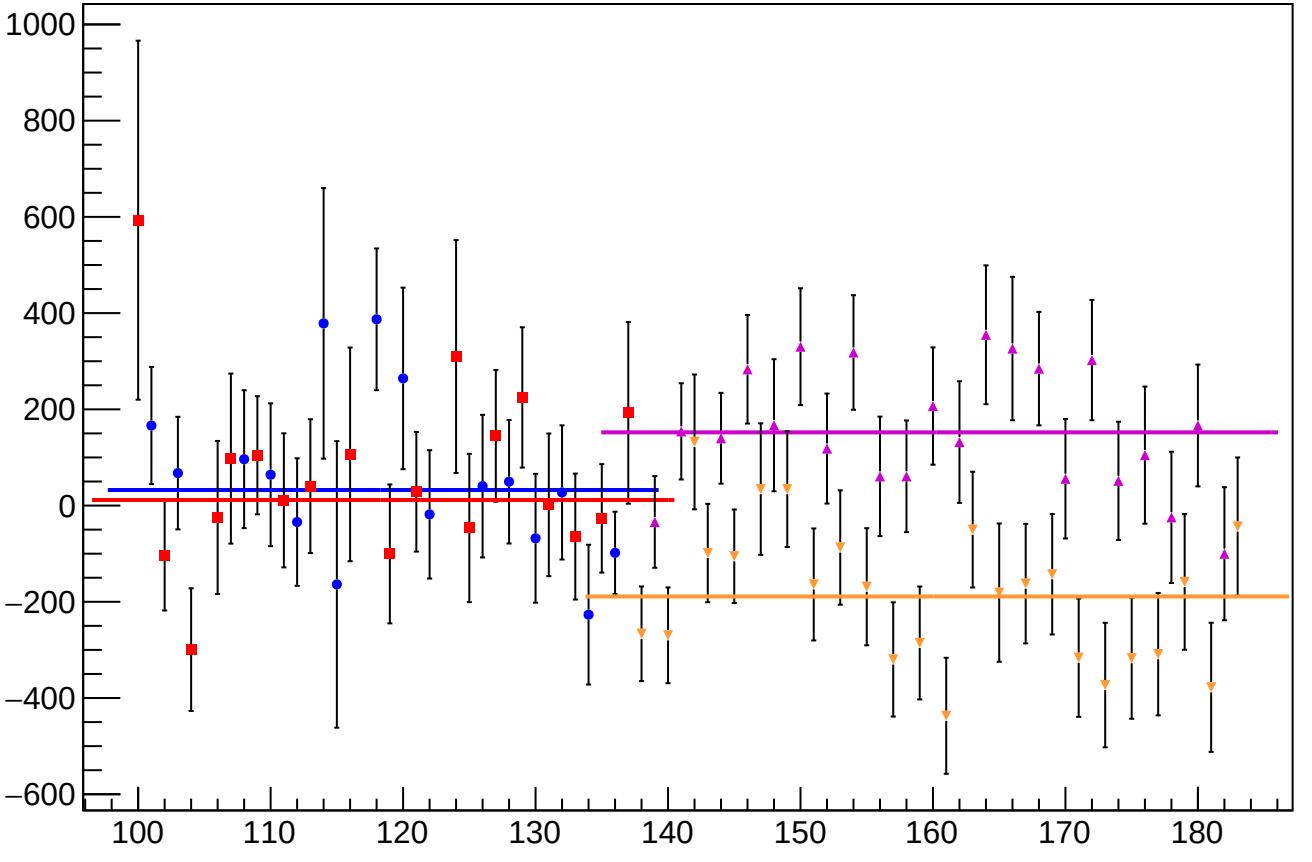
Left In: 644.663+/-0.109 χ^2/NDF:557504.0/21

\+ sign 657.515+/-0.092 χ^2/NDF: 1197698.7/39

All: 652.982+/-0.065 χ^2/NDF: 2570306.5/80

\- sign 648.395+/-0.092 χ^2/NDF: 1367711.6/40

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -188.969+/-24.578 χ^2/NDF:30.7/23

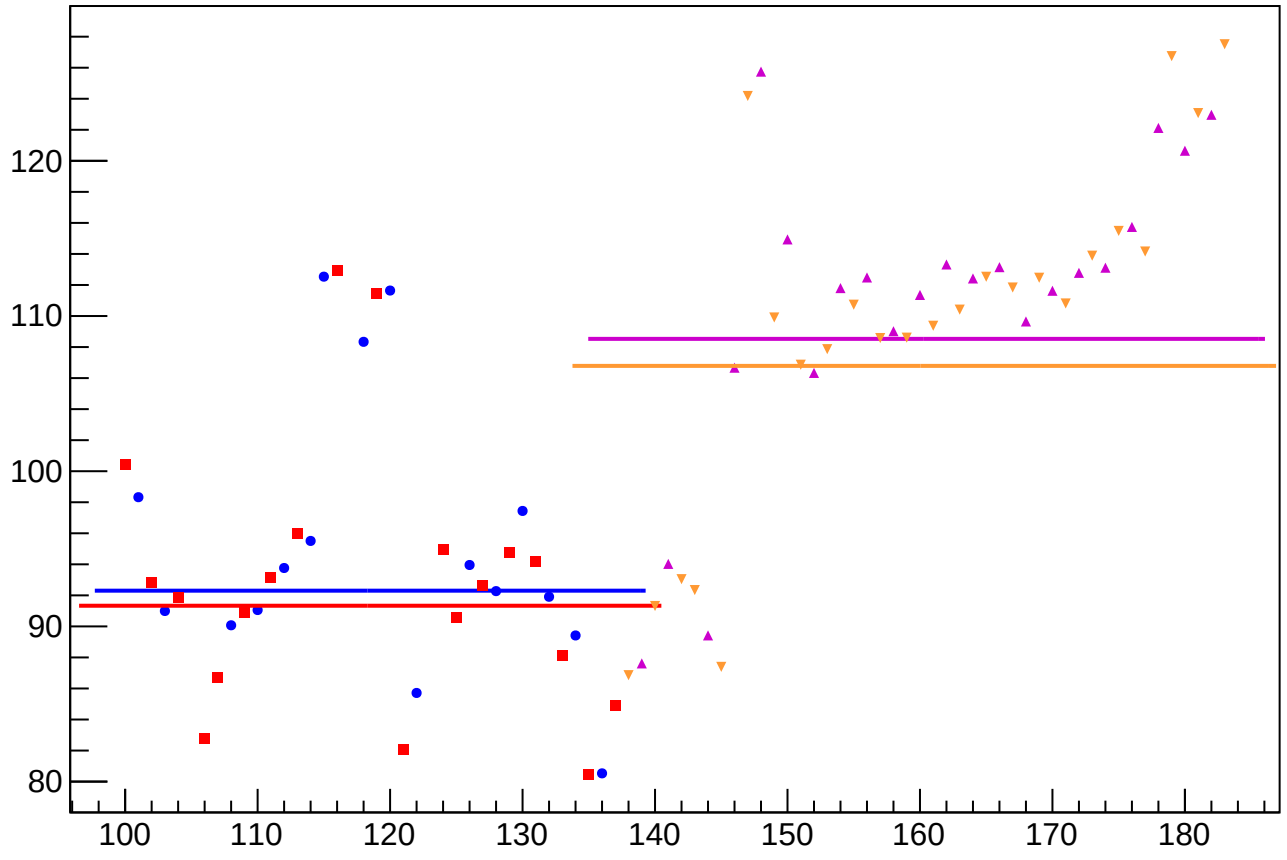
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 152.174+/-25.684 χ^2/NDF:23.2/21

\+ sign -114.266+/-20.004 χ^2/NDF: 75.4/39

All: -9.092+/-14.281 χ^2/NDF: 183.2/80

\- sign 100.219+/-20.394 χ^2/NDF: 51.5/40



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.787+/-0.017 χ^2/NDF:455230.1/23

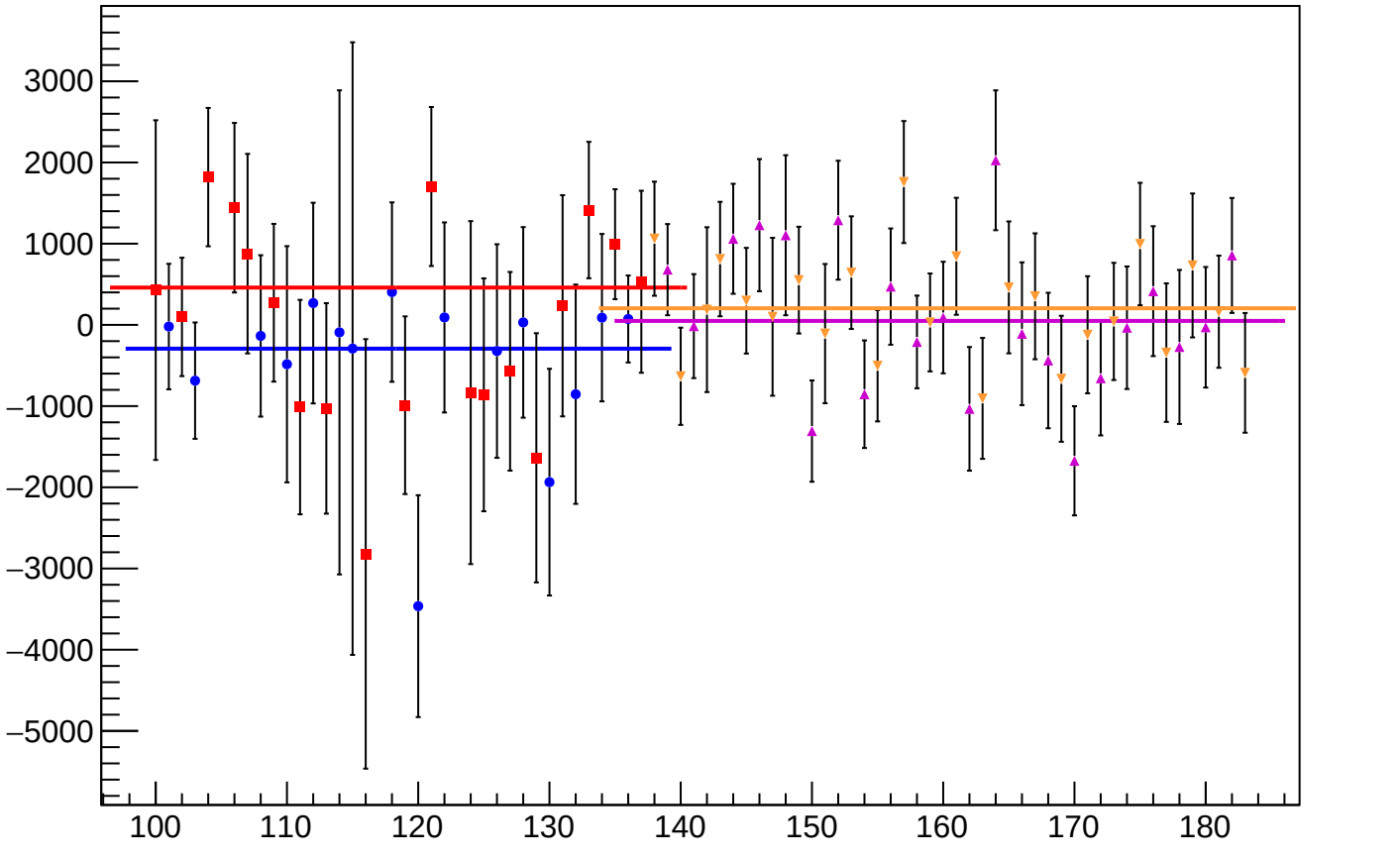
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.528+/-0.018 χ^2/NDF:341360.7/21

+ sign 101.897+/-0.014 χ^2/NDF: 796782.6/39

All: 102.033+/-0.010 χ^2/NDF: 1574530.0/80

- sign 102.173+/-0.014 χ^2/NDF: 777560.1/40



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 205.004+/-150.094 χ^2/NDF:18.2/23

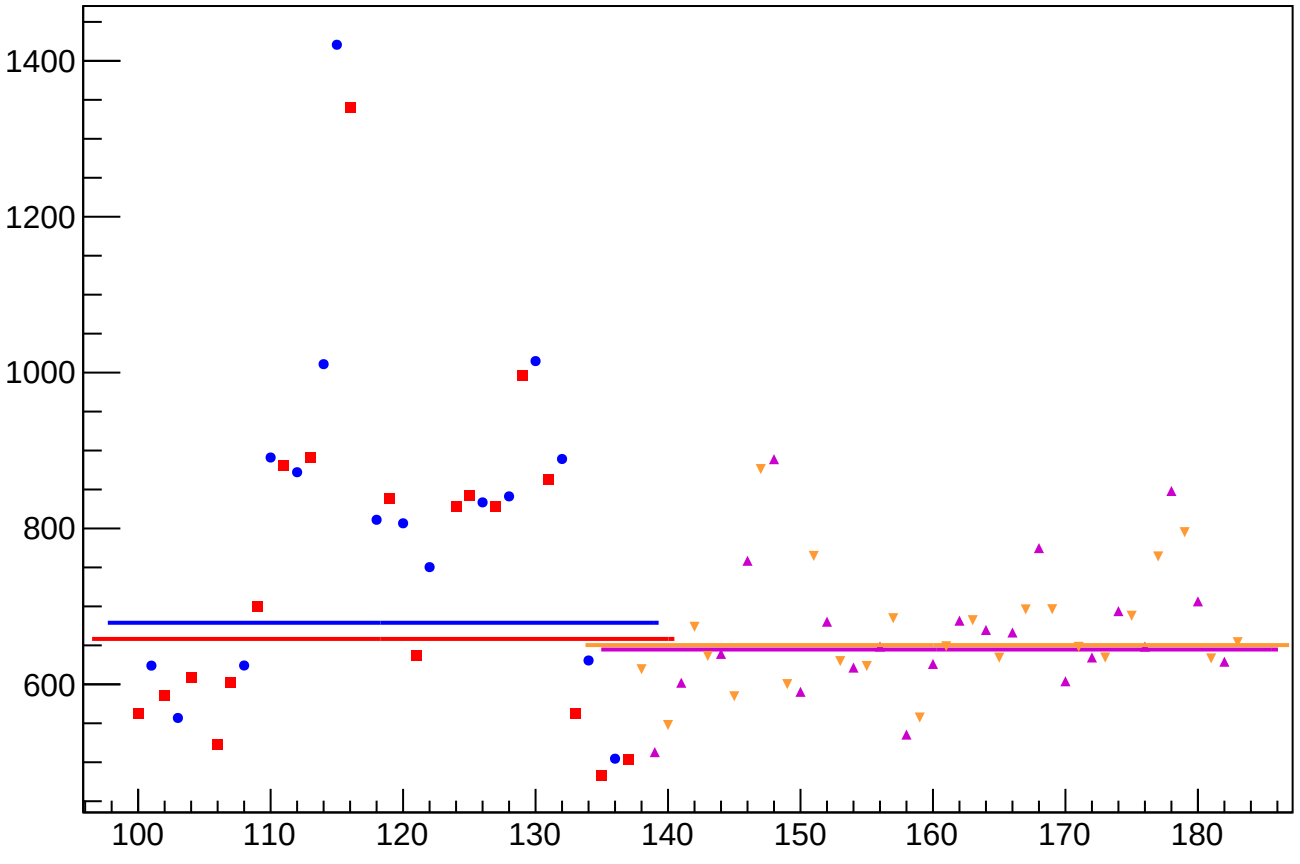
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 49.106+/-153.471 χ^2/NDF:33.6/21

+ sign 80.364+/-129.950 χ^2/NDF: 29.7/39

All: 120.819+/-92.162 χ^2/NDF: 82.6/80

- sign 161.759+/-130.727 χ^2/NDF: 52.7/40



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 650.337+/-0.106 χ^2/NDF:411446.5/23

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

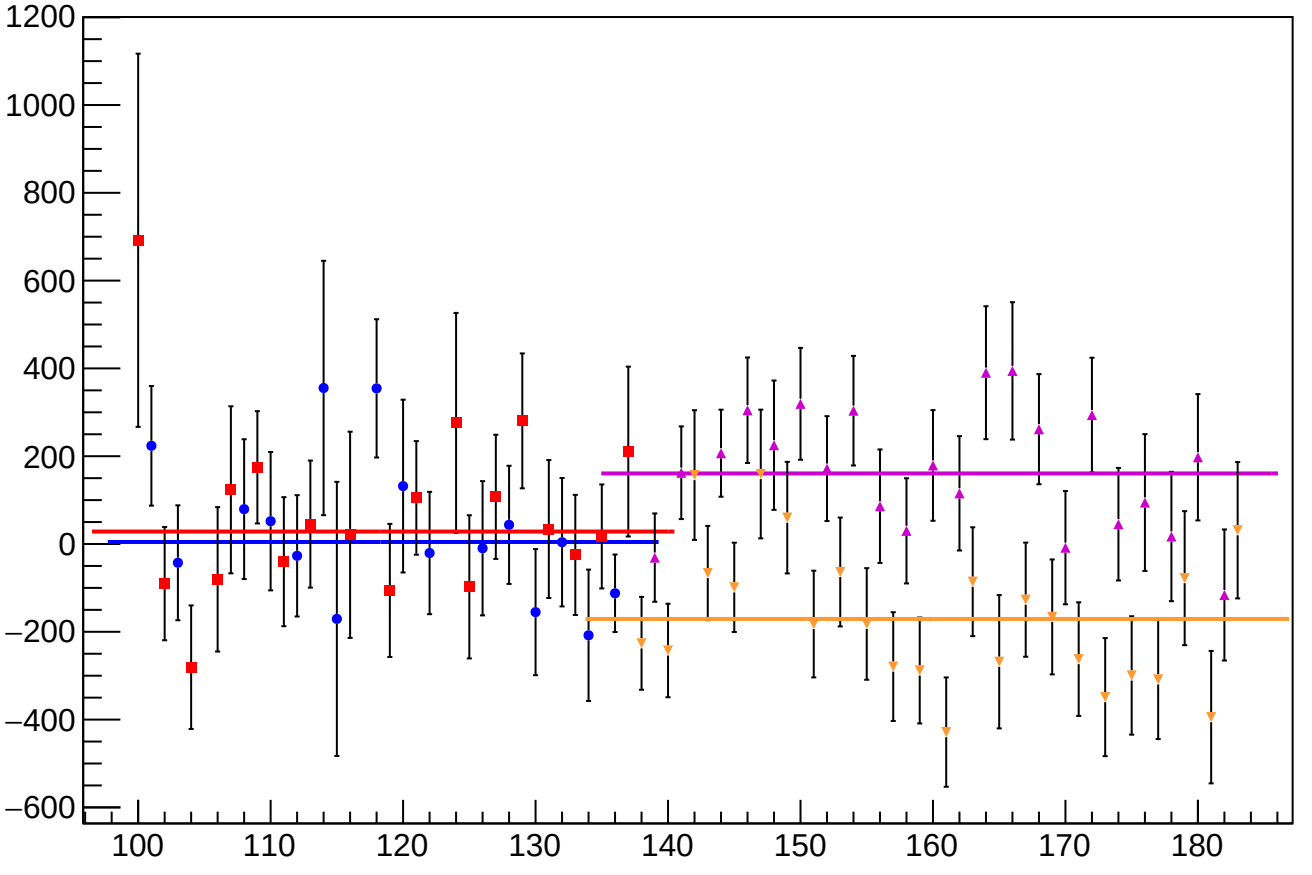
Left In: 644.663+/-0.109 χ^2/NDF:557504.0/21

+ sign 657.515+/-0.092 χ^2/NDF: 1197698.7/39

All: 652.982+/-0.065 χ^2/NDF: 2570306.5/80

- sign 648.395+/-0.092 χ^2/NDF: 1367711.6/40

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -170.698+/-25.938 χ^2/NDF:31.7/23

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

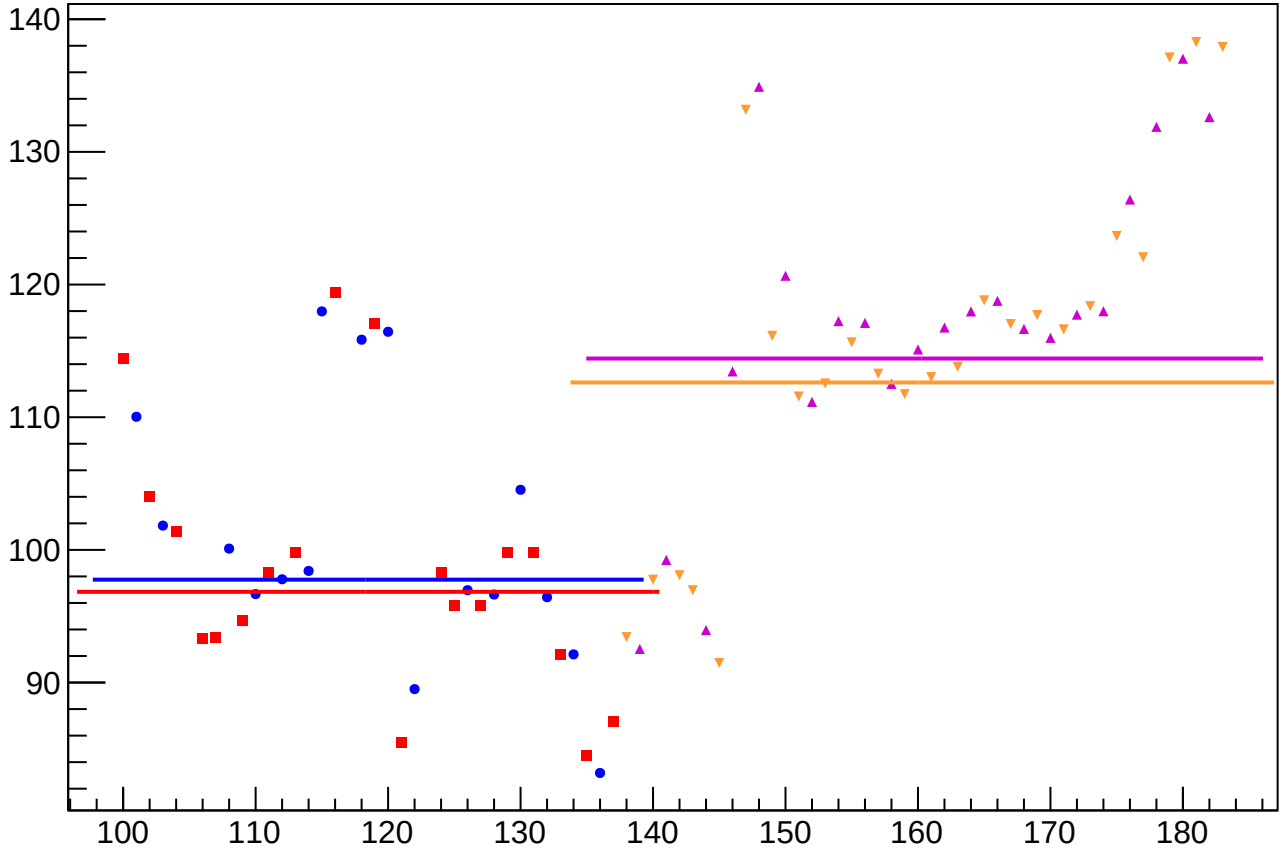
Left In: 160.754+/-27.106 χ^2/NDF:23.4/21

+ sign -111.890+/-21.145 χ^2/NDF: 62.4/39

All: -2.021+/-15.088 χ^2/NDF: 166.6/80

- sign 111.951+/-21.536 χ^2/NDF: 49.3/40

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 112.621+/-0.018 χ^2/NDF:495252.8/23

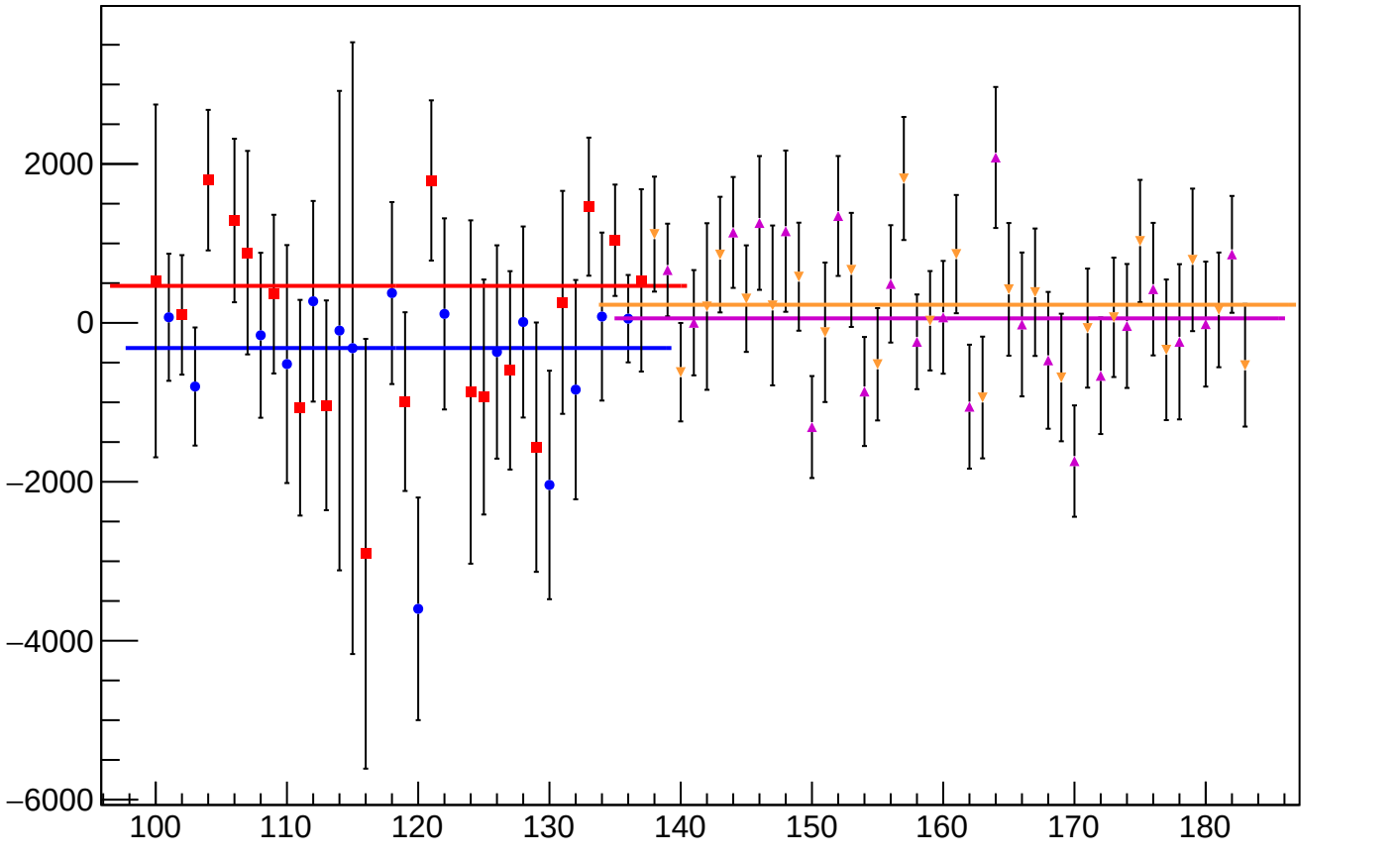
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 114.423+/-0.019 χ^2/NDF:394902.3/21

+ sign 107.635+/-0.015 χ^2/NDF: 856251.0/39

All: 107.784+/-0.011 χ^2/NDF: 1676883.7/80

- sign 107.939+/-0.015 χ^2/NDF: 820428.9/40



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 228.312+/-155.105 χ^2/NDF:17.9/23

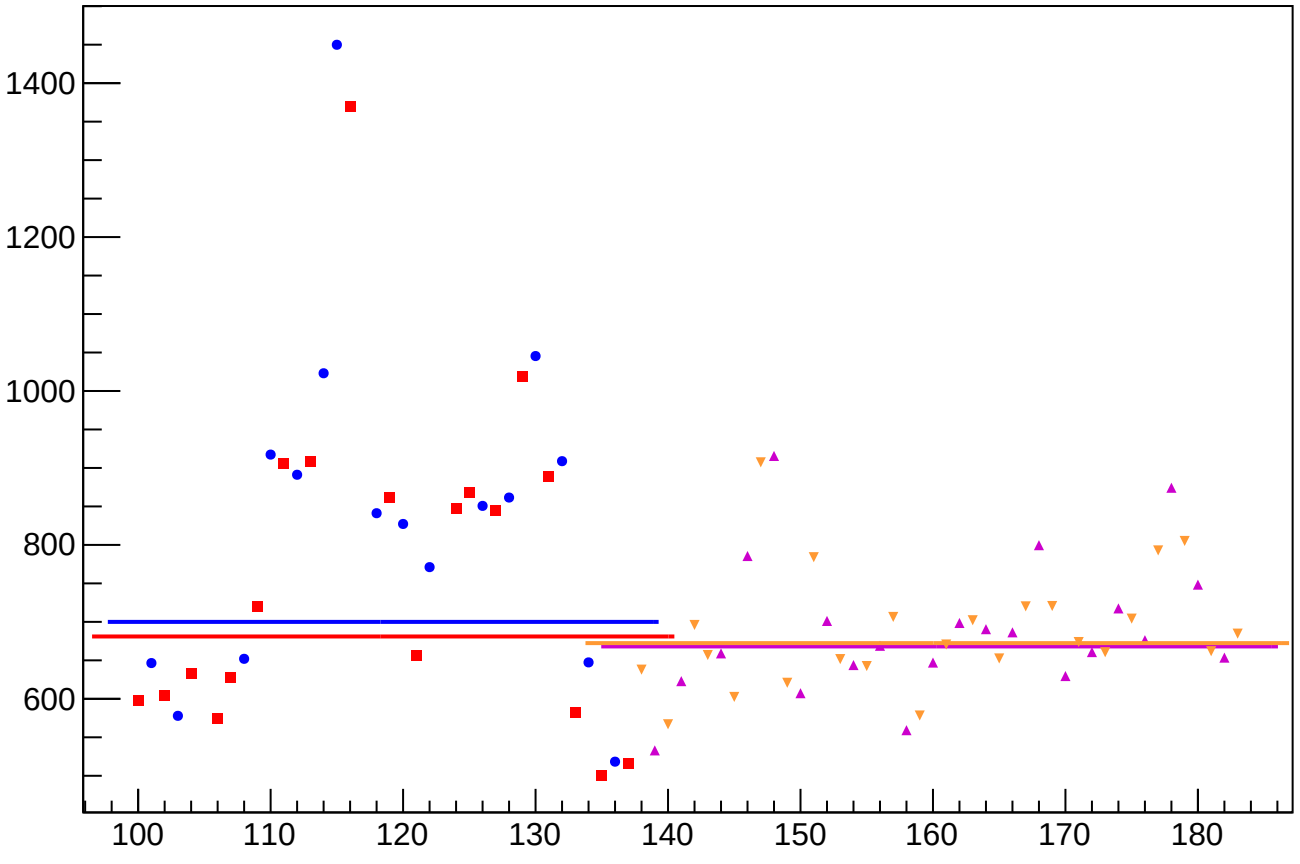
Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: 56.856+/-158.974 χ^2/NDF:33.2/21

\+ sign 91.224+/-134.182 χ^2/NDF: 30.2/39

All: 130.425+/-95.220 χ^2/NDF: 81.9/80

\- sign 170.192+/-135.147 χ^2/NDF: 51.5/40



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 672.391+/-0.110 χ^2/NDF:397545.1/23

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

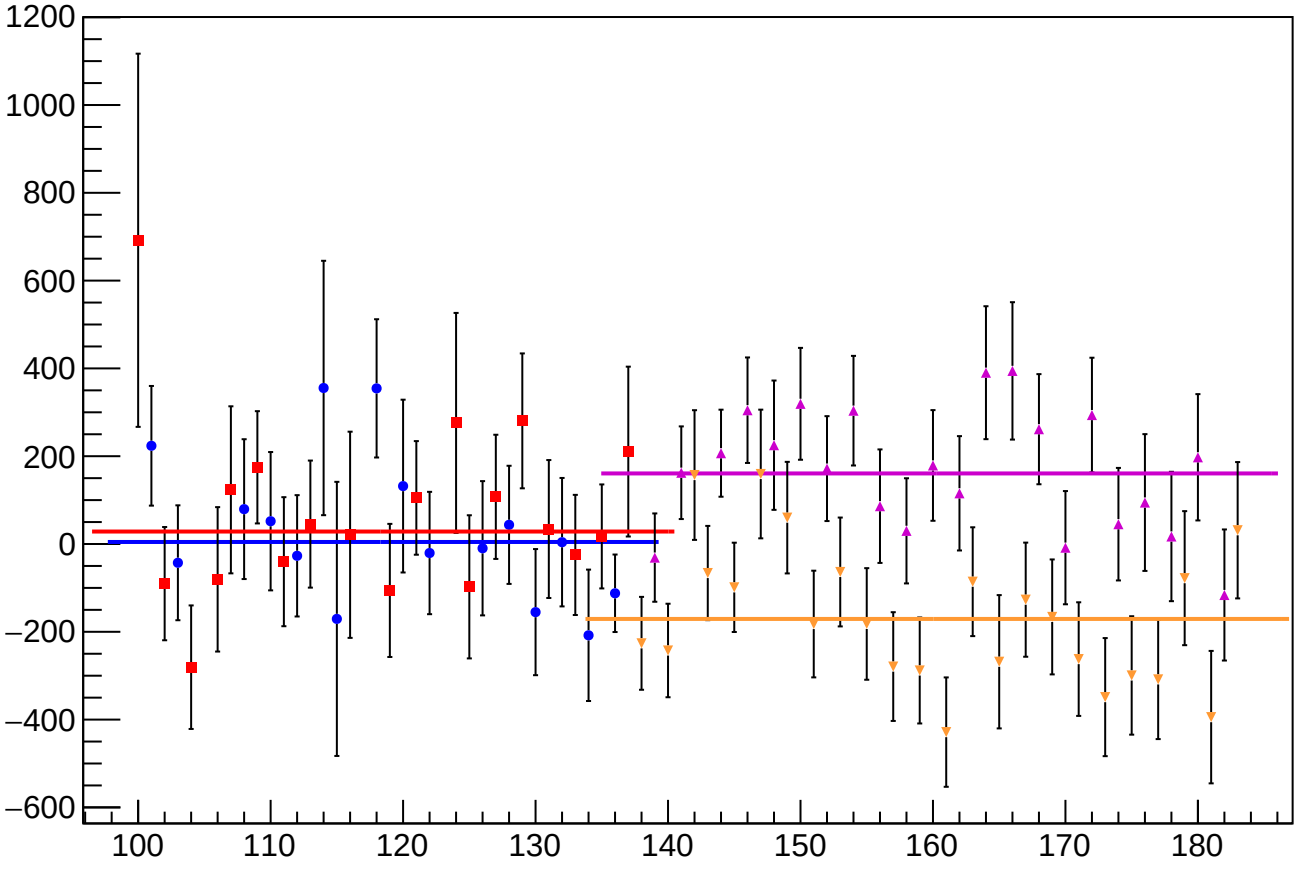
Left In: 668.071+/-0.112 χ^2/NDF:544643.7/21

+ sign 679.330+/-0.095 χ^2/NDF: 1167122.2/39

All: 675.523+/-0.067 χ^2/NDF: 2488084.6/80

- sign 671.661+/-0.096 χ^2/NDF: 1317718.6/40

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -170.698+/-25.938 χ^2/NDF:31.7/23

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

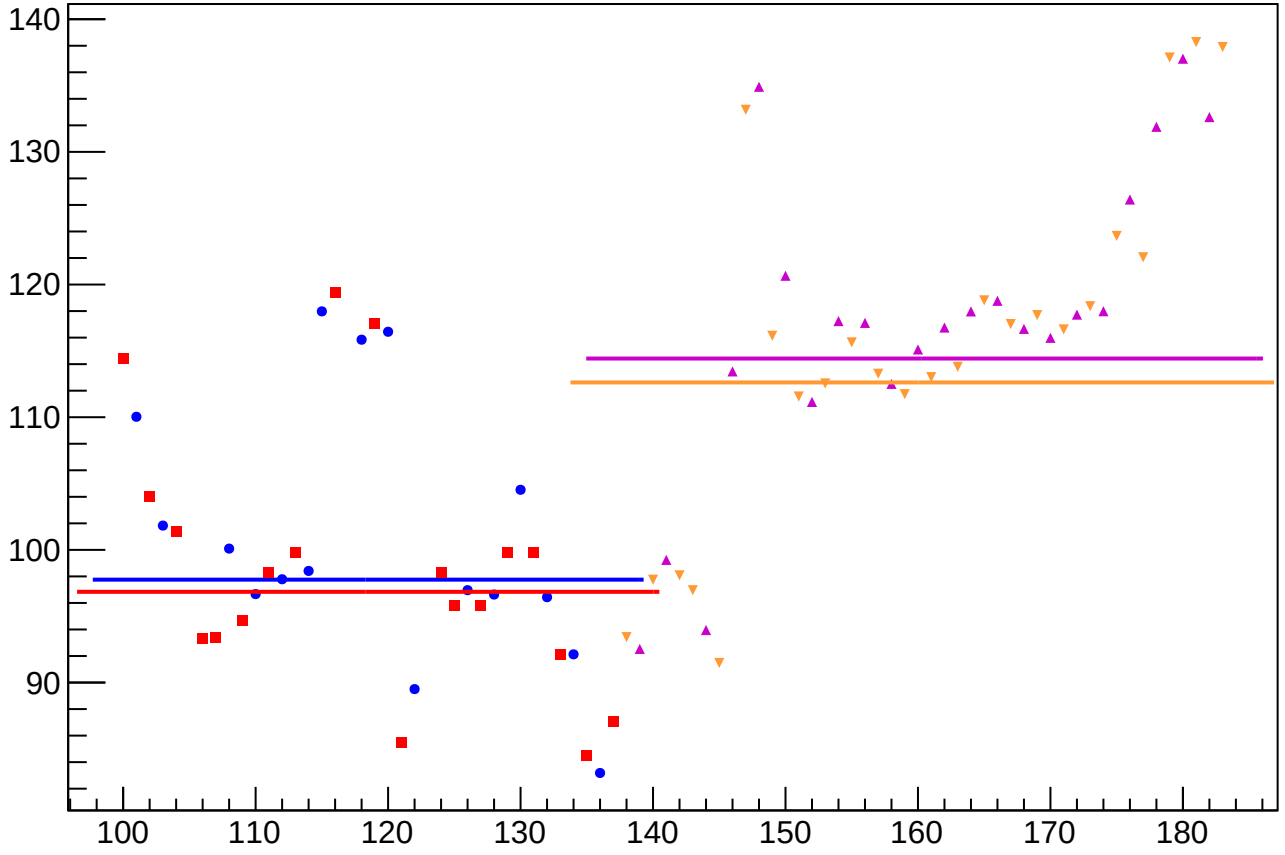
Left In: 160.754+/-27.106 χ^2/NDF:23.4/21

+ sign -111.890+/-21.145 χ^2/NDF: 62.4/39

All: -2.021+/-15.088 χ^2/NDF: 166.6/80

- sign 111.950+/-21.536 χ^2/NDF: 49.3/40

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 112.621+/-0.018 χ^2/NDF:495246.6/23

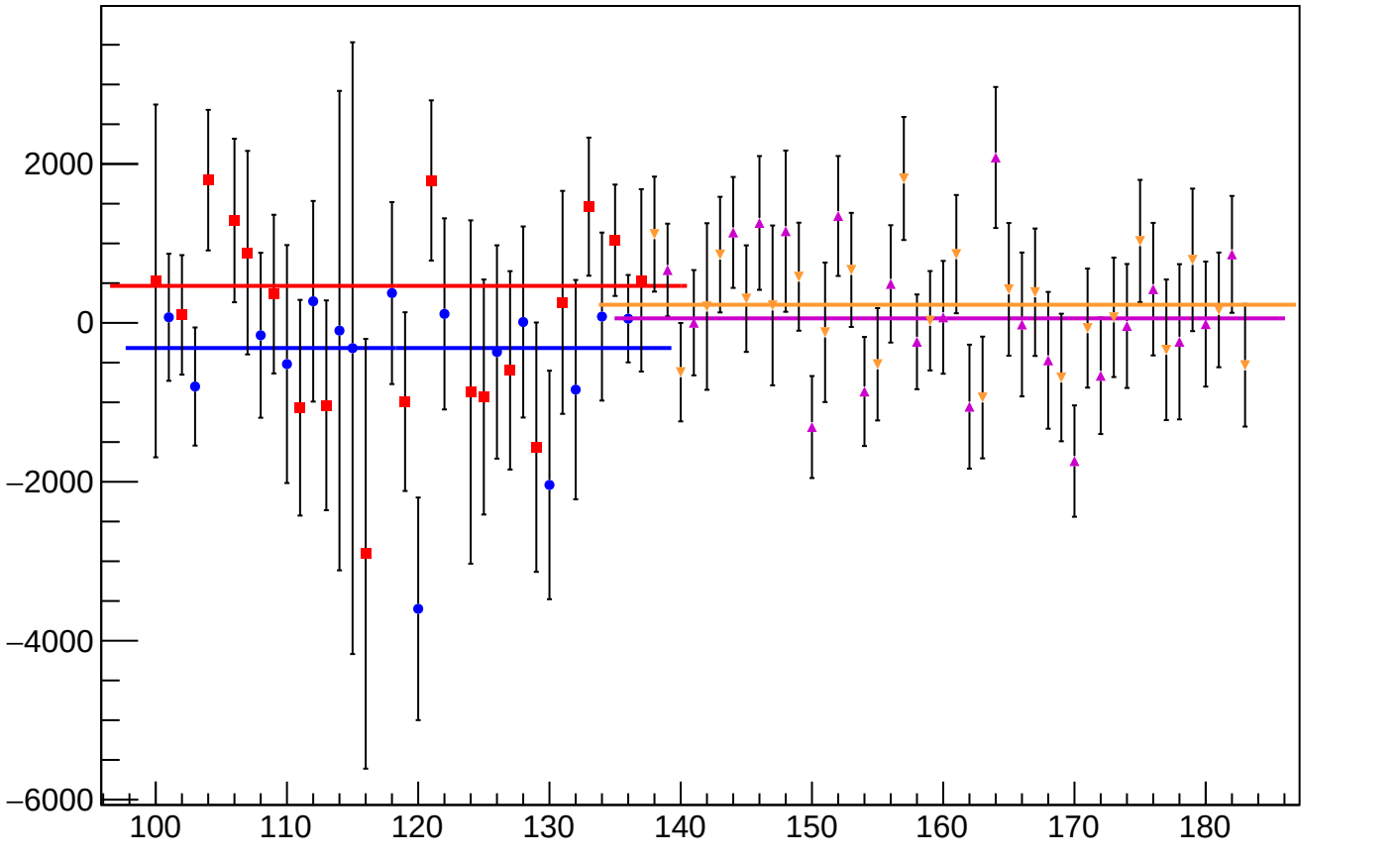
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 114.424+/-0.019 χ^2/NDF:394899.3/21

\+ sign 107.635+/-0.015 χ^2/NDF: 856255.1/39

All: 107.784+/-0.011 χ^2/NDF: 1676902.6/80

\- sign 107.939+/-0.015 χ^2/NDF: 820443.7/40



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 228.311+/-155.105 χ^2/NDF:17.9/23

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

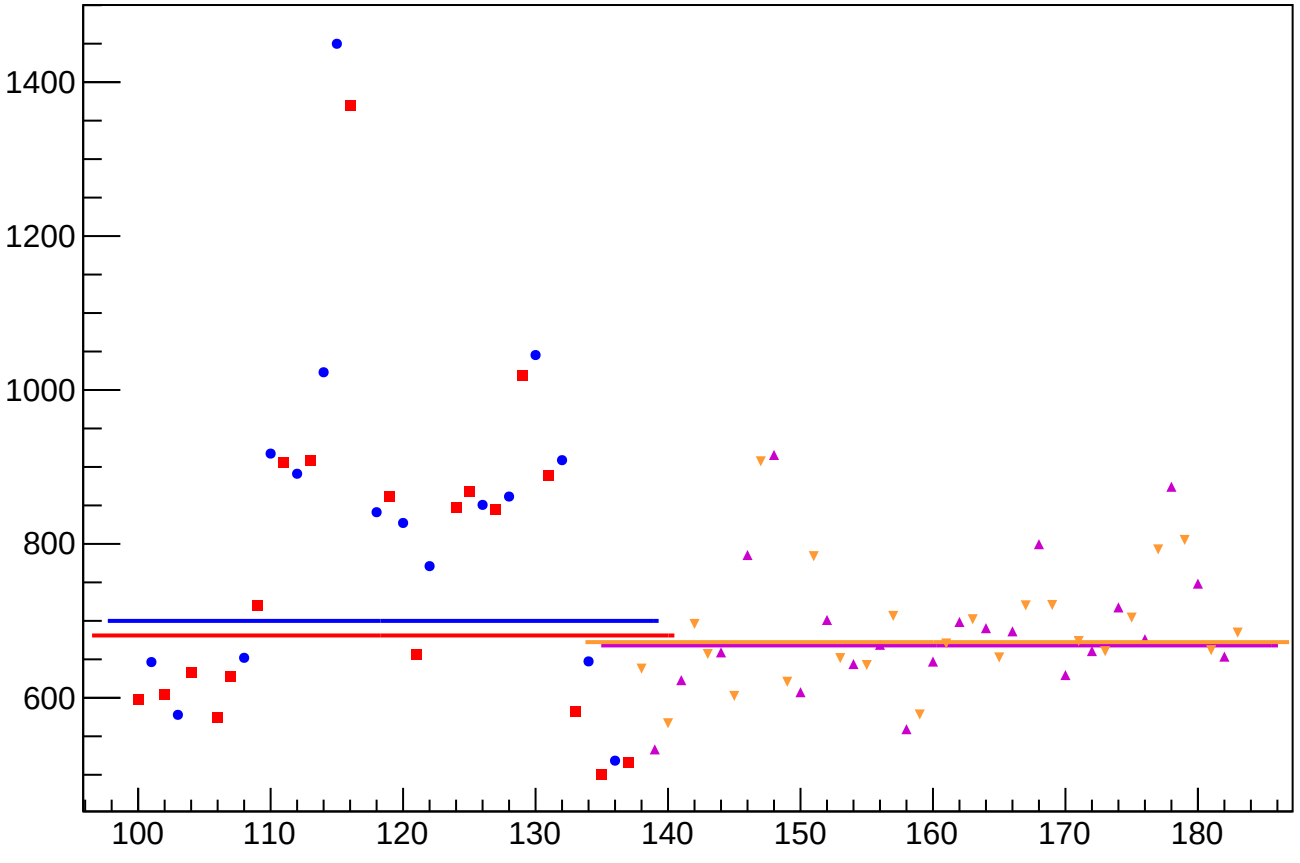
Left In: 56.857+/-158.974 χ^2/NDF:33.2/21

\+ sign 91.224+/-134.182 χ^2/NDF: 30.2/39

All: 130.426+/-95.220 χ^2/NDF: 81.9/80

\- sign 170.193+/-135.147 χ^2/NDF: 51.5/40

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 672.392+/-0.110 χ^2/NDF:397545.4/23

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

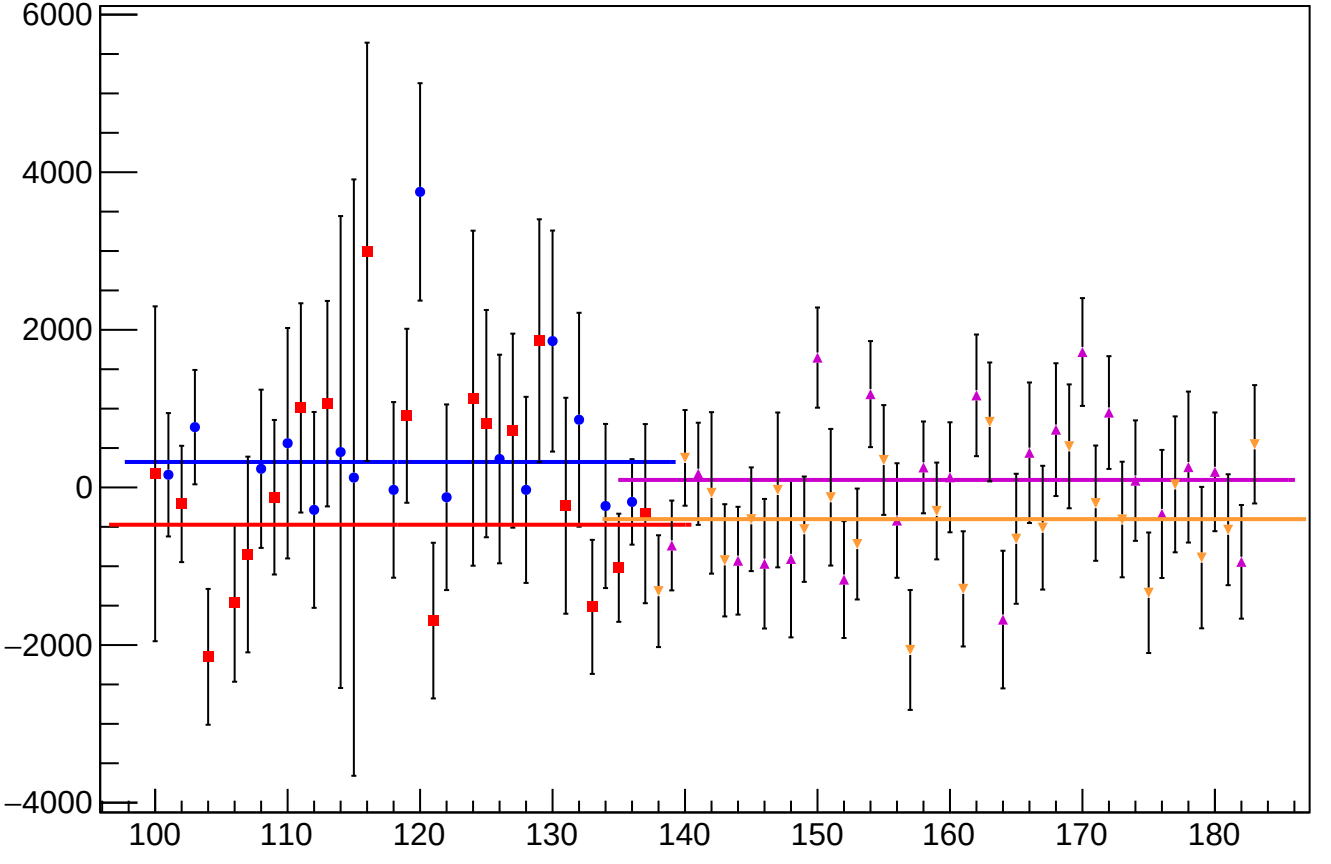
Left In: 668.071+/-0.112 χ^2/NDF:544645.8/21

\+ sign 679.330+/-0.095 χ^2/NDF: 1167123.0/39

All: 675.523+/-0.067 χ^2/NDF: 2488089.4/80

\- sign 671.661+/-0.096 χ^2/NDF: 1317722.6/40

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -402.271+/-152.224 χ^2/NDF:19.8/23

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

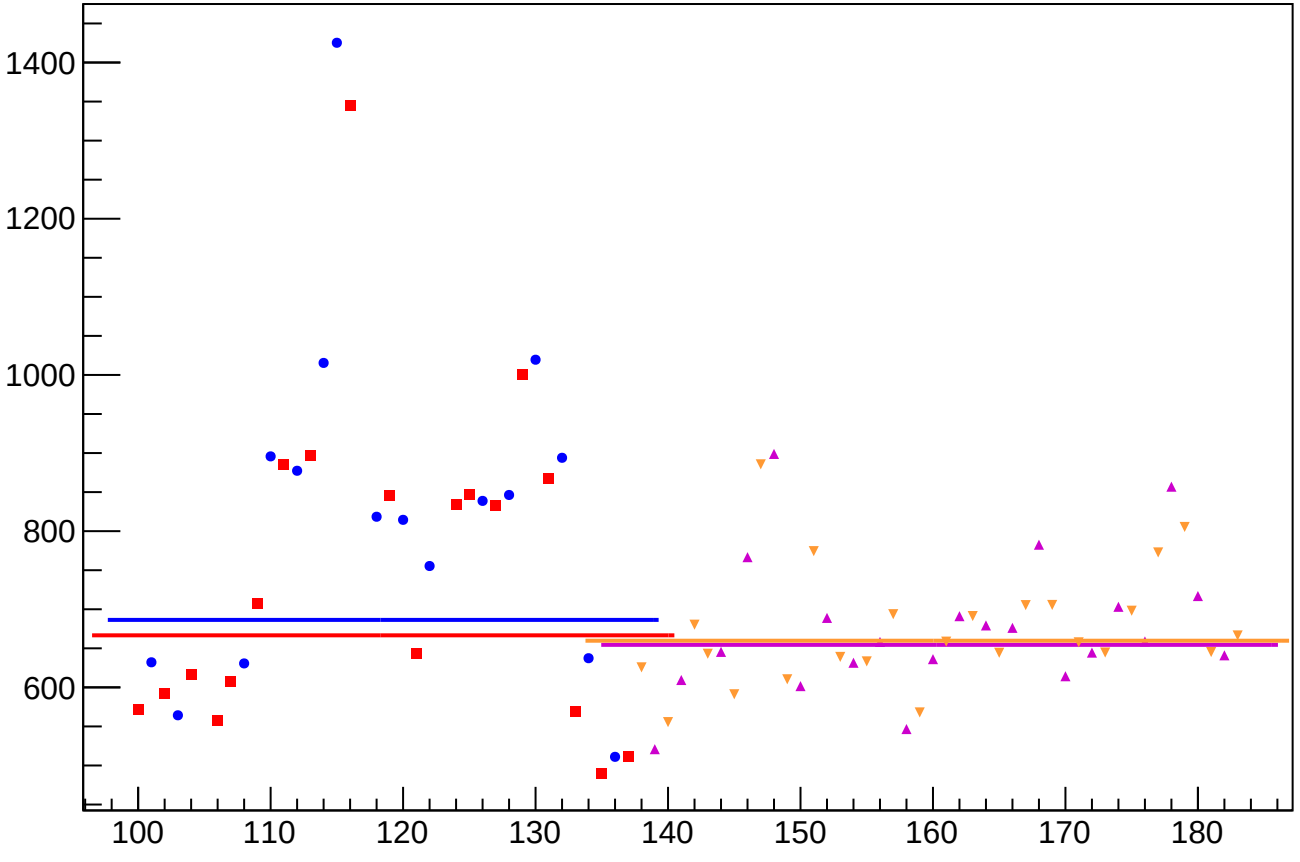
Left In: 95.349+/-155.747 χ^2/NDF:35.4/21

+ sign -219.526+/-131.663 χ^2/NDF: 35.2/39

All: -141.401+/-93.355 χ^2/NDF: 94.4/80

- sign -62.413+/-132.388 χ^2/NDF: 58.5/40

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 659.744+/-0.108 χ^2/NDF:403734.5/23

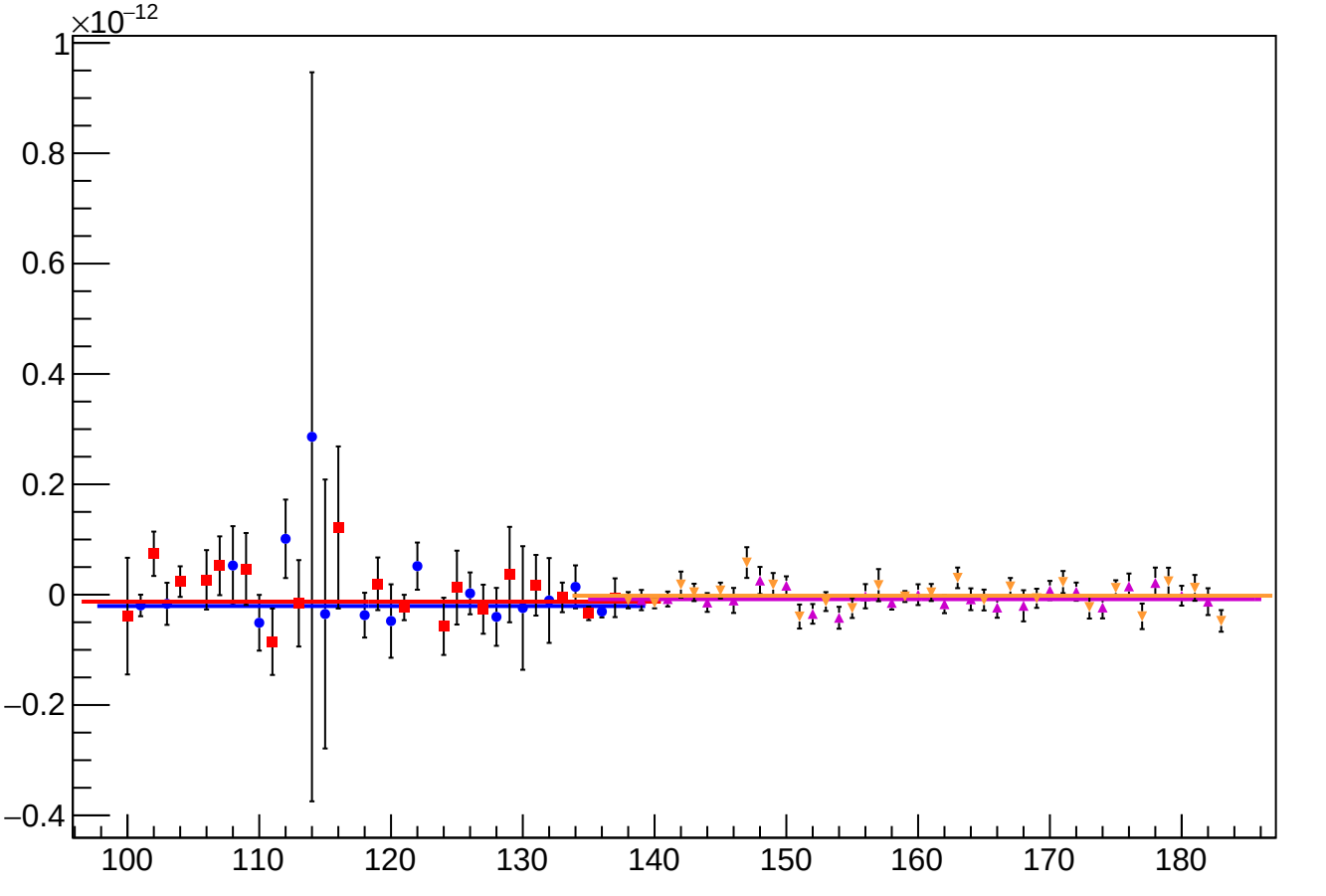
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 654.457+/-0.110 χ^2/NDF:540902.8/21

+ sign 666.457+/-0.093 χ^2/NDF: 1168631.0/39

All: 662.170+/-0.066 χ^2/NDF: 2494223.6/80

- sign 657.836+/-0.094 χ^2/NDF: 1321328.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

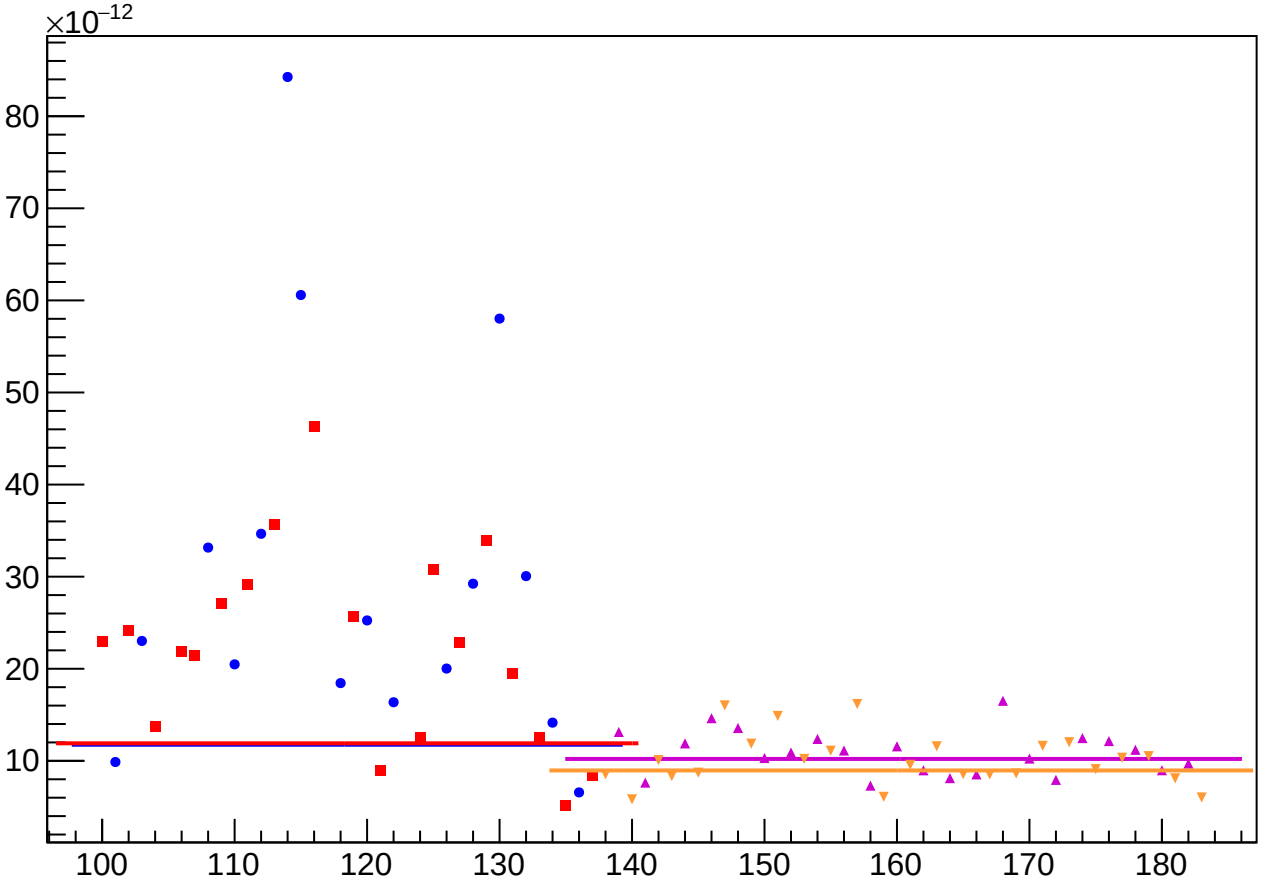
Left In: -0.000+/-0.000 χ^2/NDF:15.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/39

All: -0.000+/-0.000 χ^2/NDF: 80.0/80

- sign -0.000+/-0.000 χ^2/NDF: 32.6/40

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1035681.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

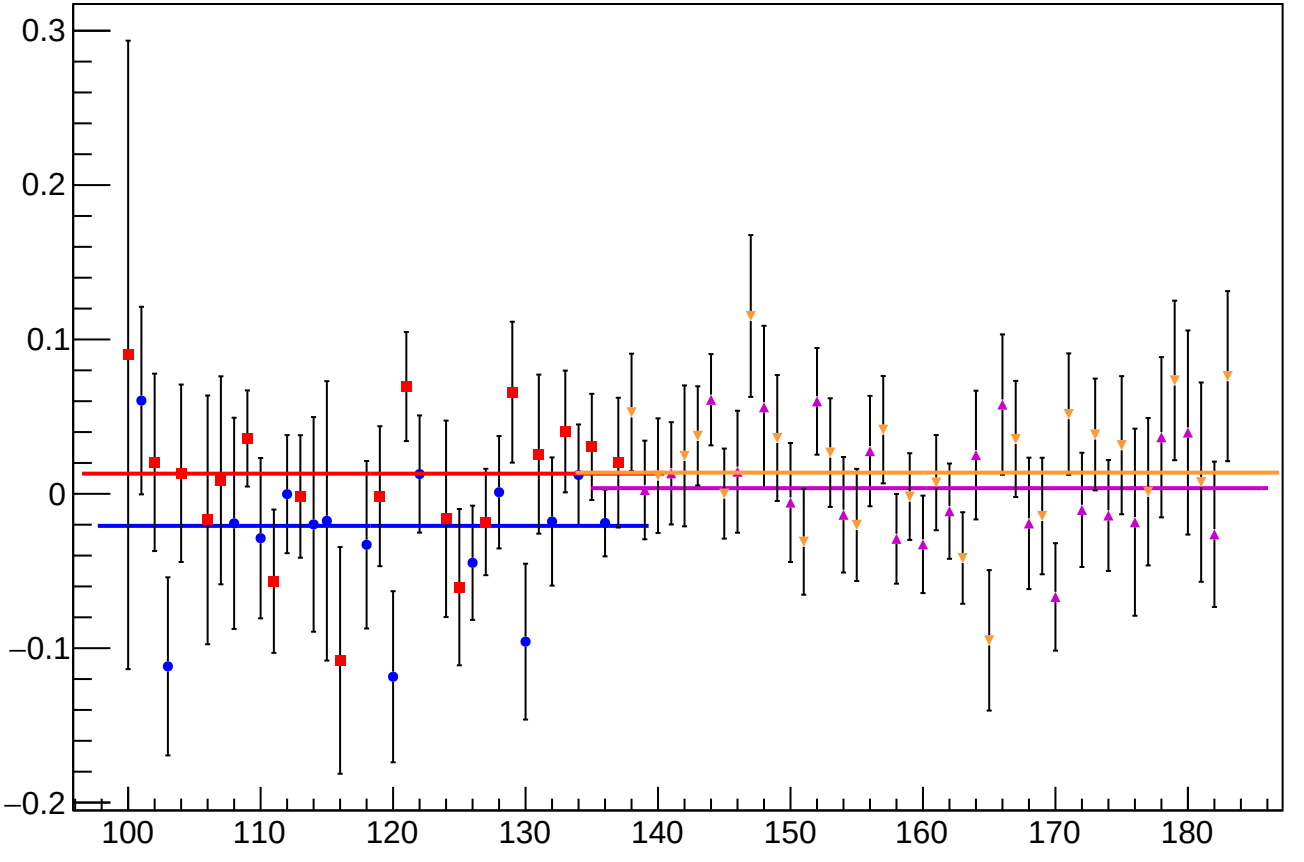
Left In: 0.000+/-0.000 χ^2/NDF:650263.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 3410449.8/39

All: 0.000+/-0.000 χ^2/NDF: 6453118.3/80

- sign 0.000+/-0.000 χ^2/NDF: 2927251.0/40

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.014+/-0.008 χ^2/NDF:24.0/23

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

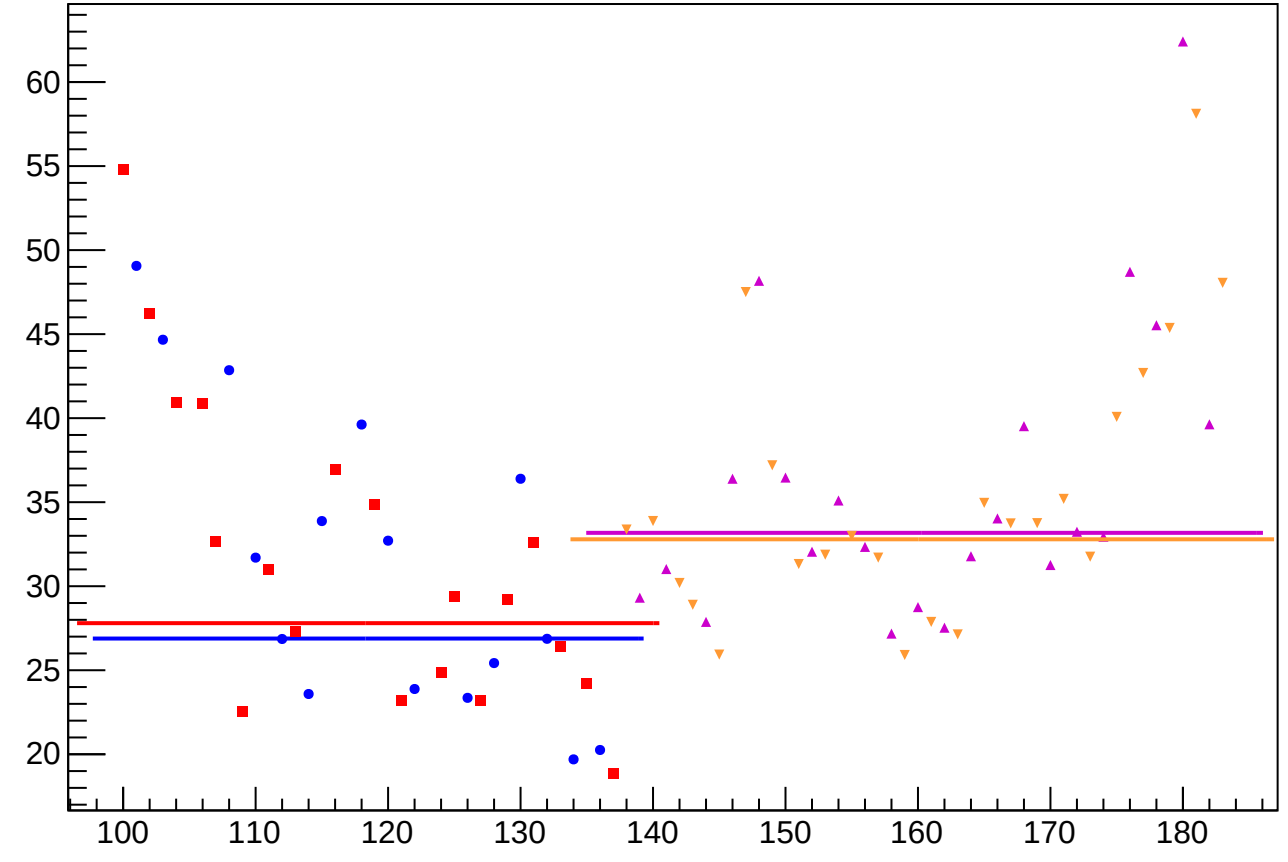
Left In: 0.004+/-0.008 χ^2/NDF:18.8/21

+ sign 0.002+/-0.006 χ^2/NDF: 43.5/39

All: 0.004+/-0.004 χ^2/NDF: 77.1/80

- sign 0.007+/-0.006 χ^2/NDF: 33.2/40

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.791+/-0.005 χ^2/NDF:1315297.8/23

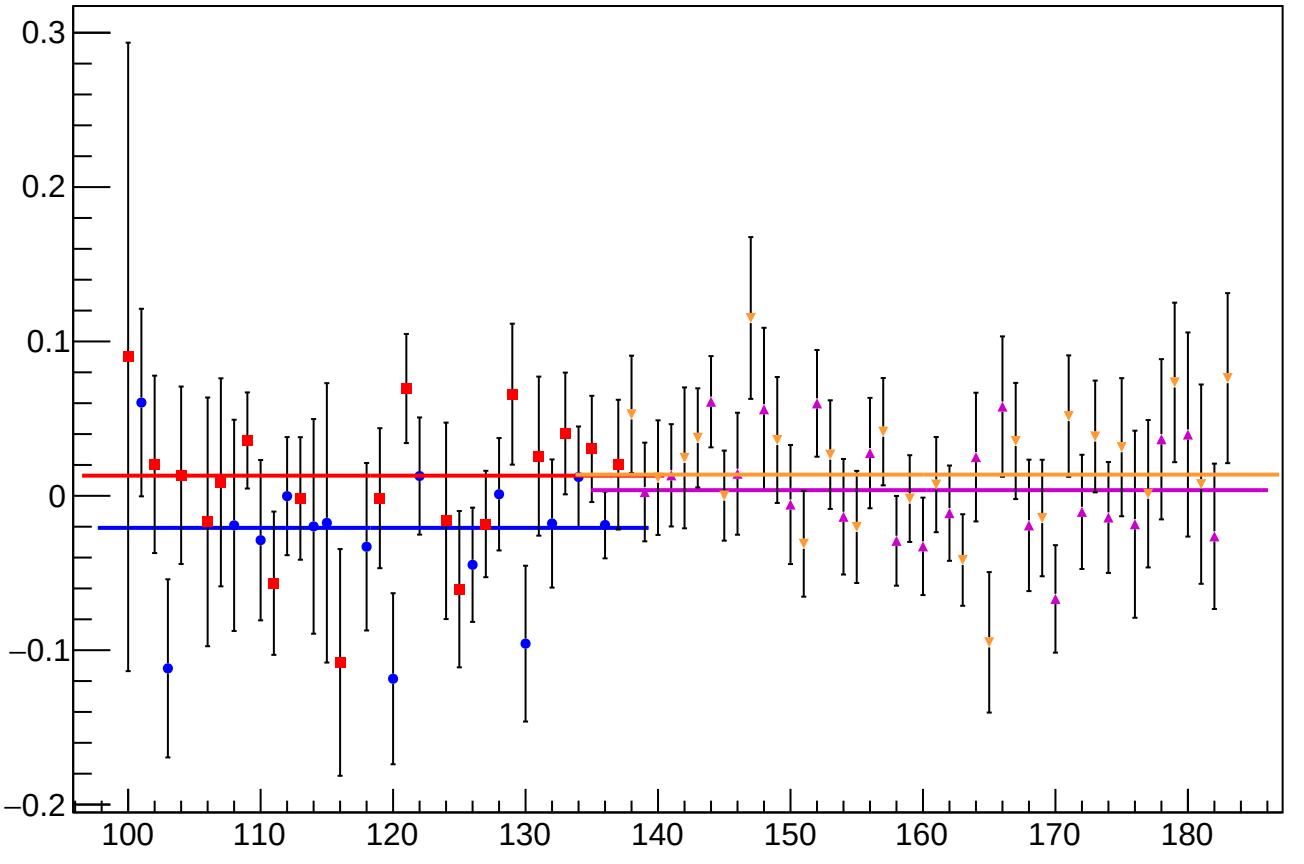
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 33.176+/-0.006 χ^2/NDF:1217847.8/21

+ sign 30.730+/-0.004 χ^2/NDF: 2846969.4/39

All: 30.961+/-0.003 χ^2/NDF: 5162835.6/80

- sign 31.206+/-0.005 χ^2/NDF: 2310164.5/40



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.014+/-0.008 χ^2/NDF:24.0/23

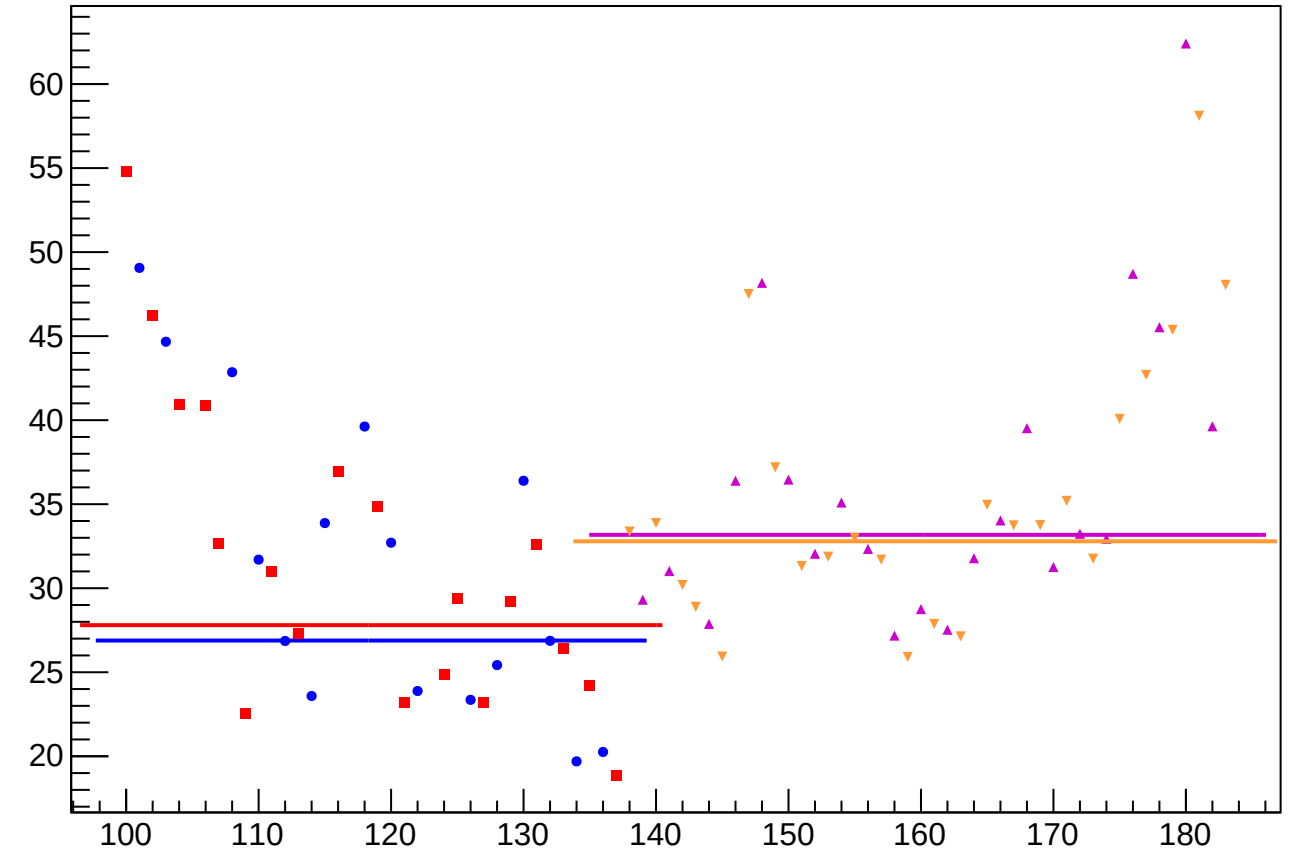
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:18.8/21

+ sign 0.002+/-0.006 χ^2/NDF: 43.5/39

All: 0.004+/-0.004 χ^2/NDF: 77.1/80

- sign 0.007+/-0.006 χ^2/NDF: 33.2/40



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.791+/-0.005 χ^2/NDF:1315297.8/23

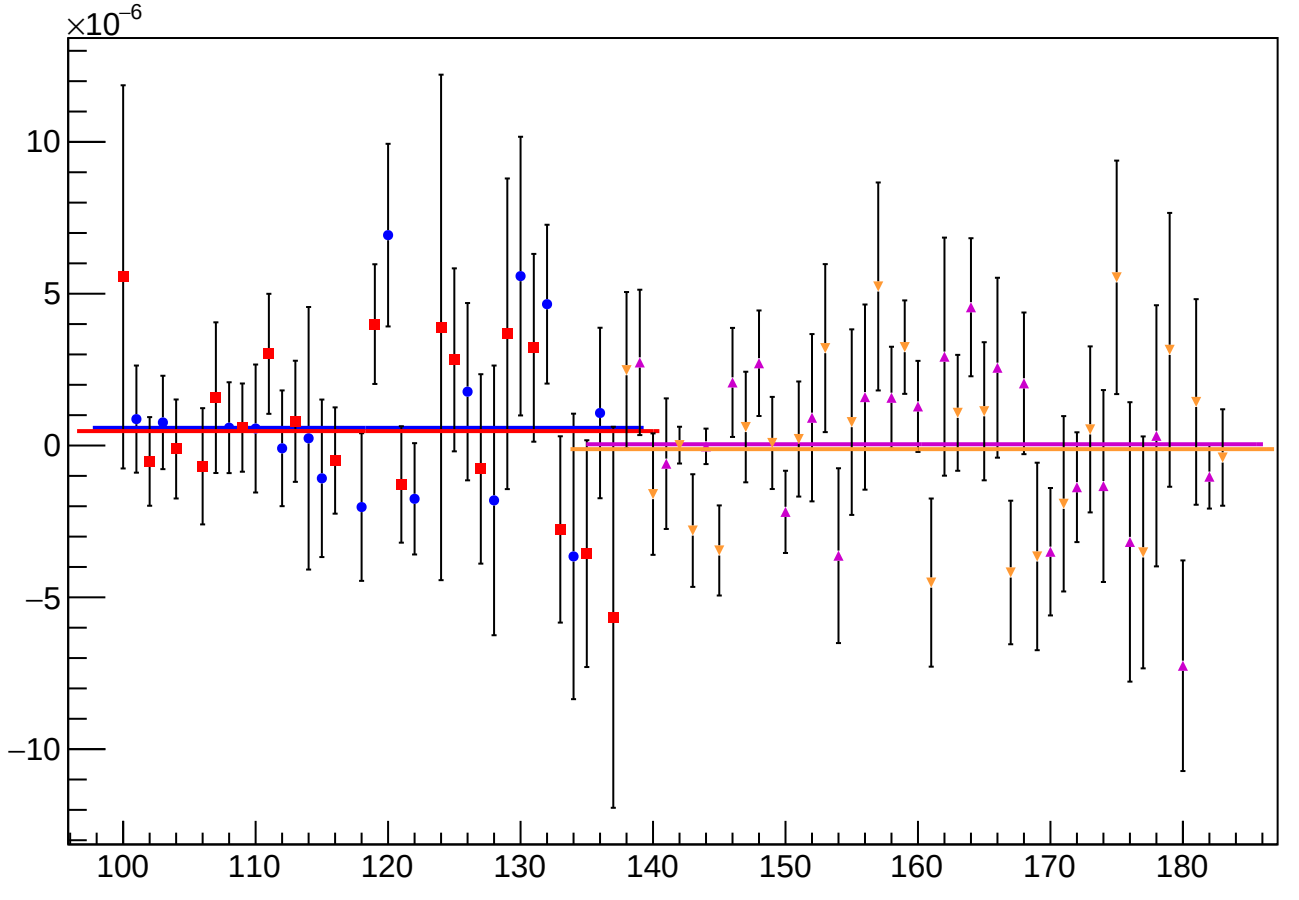
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 33.176+/-0.006 χ^2/NDF:1217847.8/21

+ sign 30.730+/-0.004 χ^2/NDF: 2846969.4/39

All: 30.961+/-0.003 χ^2/NDF: 5162835.6/80

- sign 31.206+/-0.005 χ^2/NDF: 2310164.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.4/23

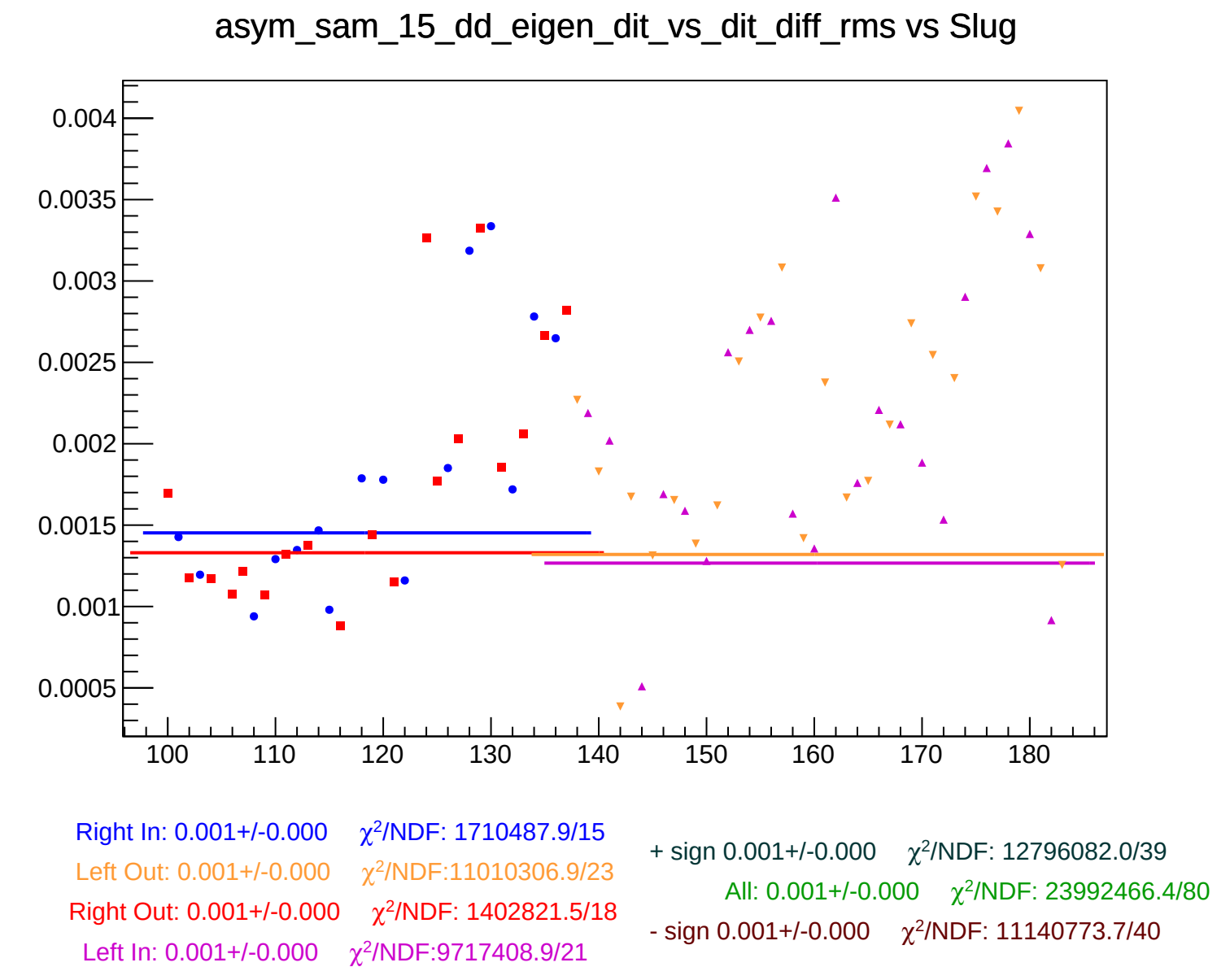
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:26.8/21

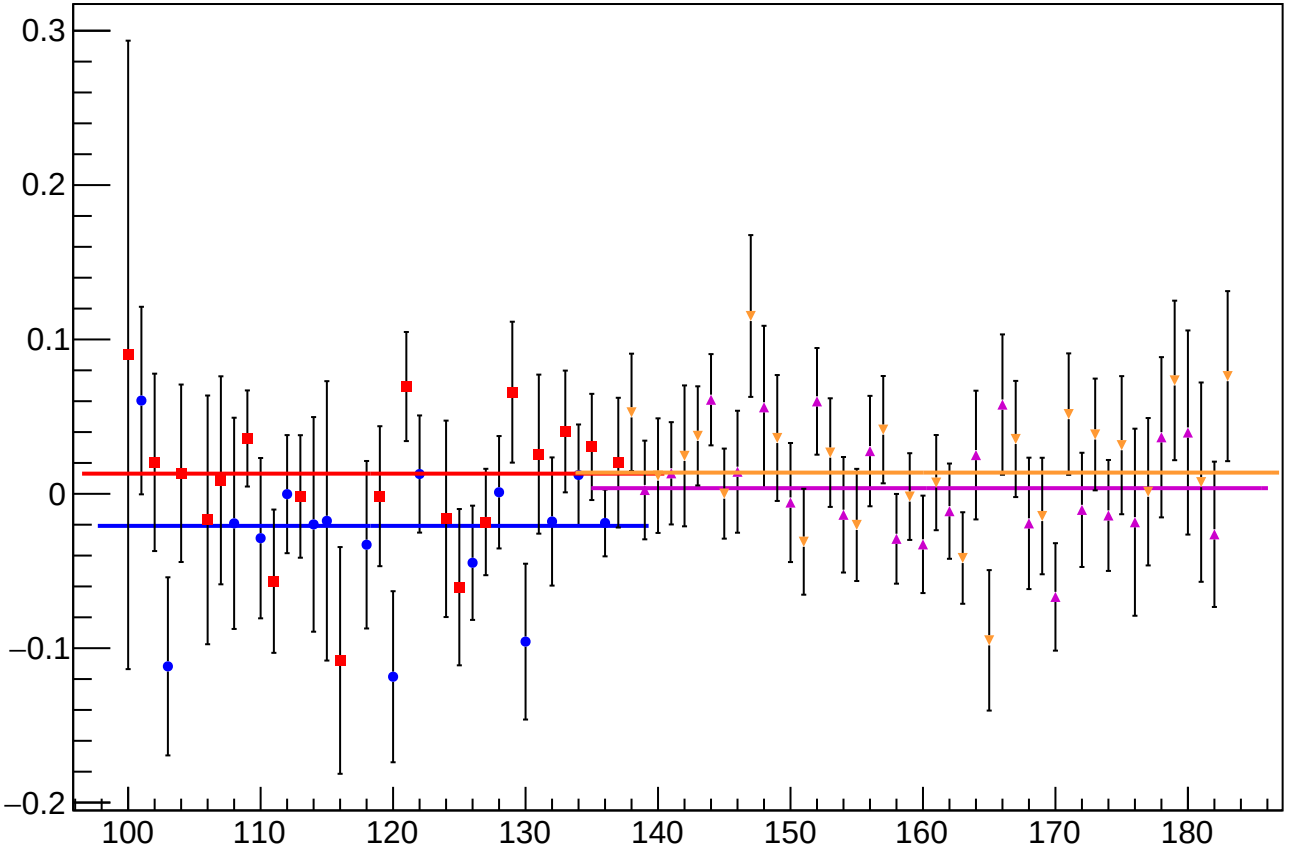
+ sign 0.000+/-0.000 χ^2/NDF: 43.1/39

All: 0.000+/-0.000 χ^2/NDF: 83.6/80

- sign 0.000+/-0.000 χ^2/NDF: 40.4/40


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:11010306.9/23
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:9717408.9/21
+ sign 0.001+/-0.000 χ²/NDF: 12796082.0/39
All: 0.001+/-0.000 χ²/NDF: 23992466.4/80
- sign 0.001+/-0.000 χ²/NDF: 11140773.7/40

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.014+/-0.008 χ^2/NDF:24.0/23

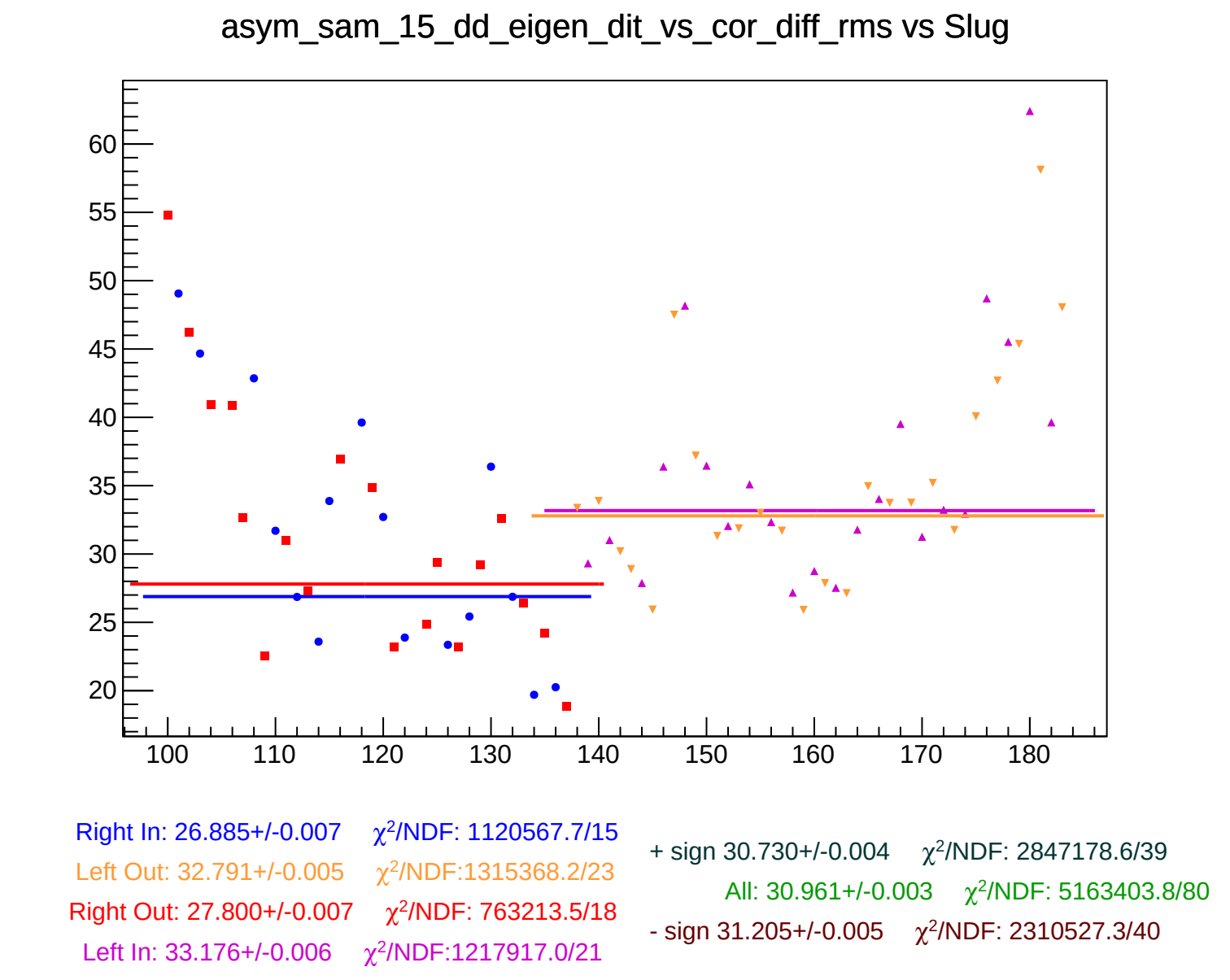
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

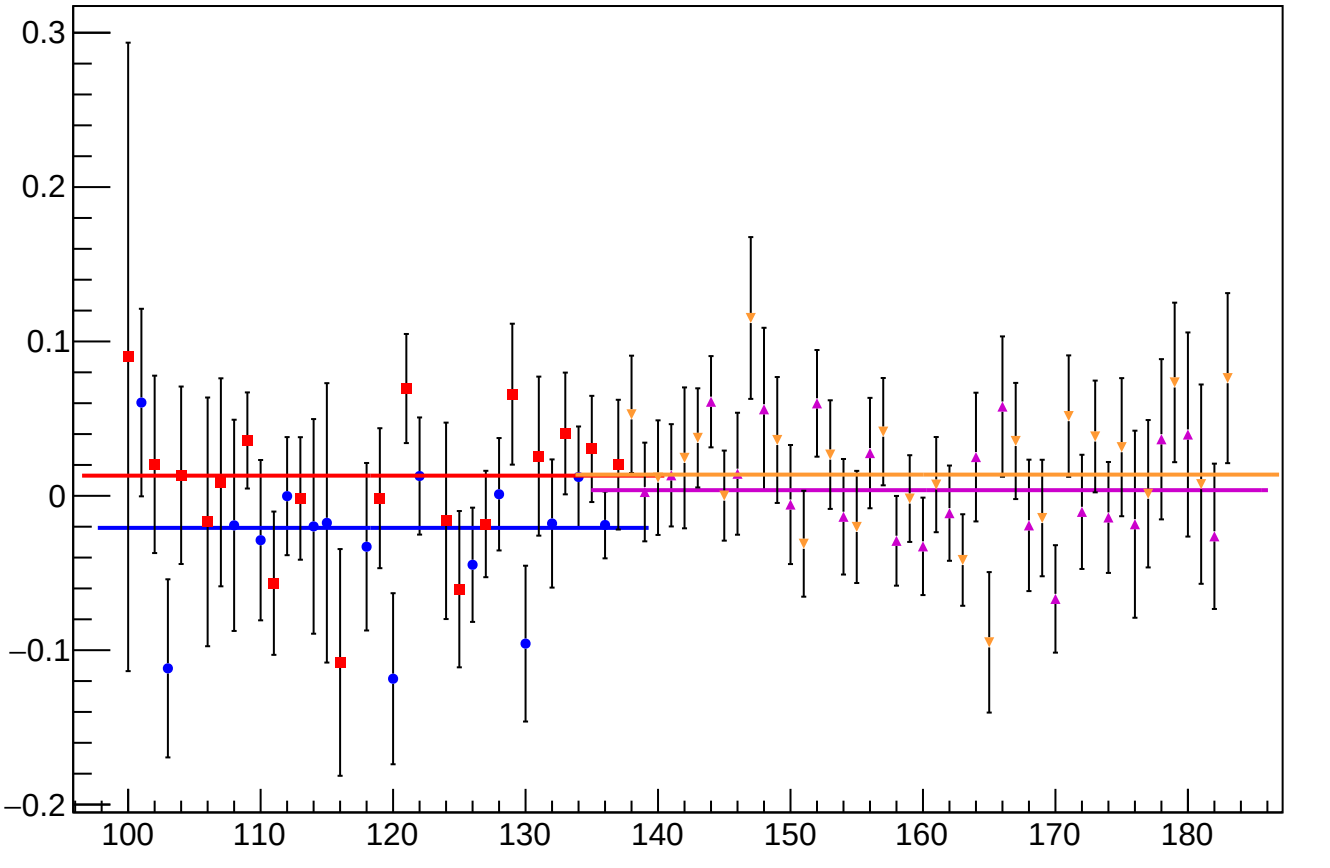
Left In: 0.004+/-0.008 χ^2/NDF:18.8/21

+ sign 0.002+/-0.006 χ^2/NDF: 43.5/39

All: 0.004+/-0.004 χ^2/NDF: 77.1/80

- sign 0.007+/-0.006 χ^2/NDF: 33.2/40


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
60
55
50
45
40
35
30
25
20
100
110
120
130
140
150
160
170
180
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 32.791+/-0.005 χ²/NDF:1315368.2/23
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 33.176+/-0.006 χ²/NDF:1217917.0/21
+ sign 30.730+/-0.004 χ²/NDF: 2847178.6/39
All: 30.961+/-0.003 χ²/NDF: 5163403.8/80
- sign 31.205+/-0.005 χ²/NDF: 2310527.3/40



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.014+/-0.008 χ^2/NDF:24.0/23

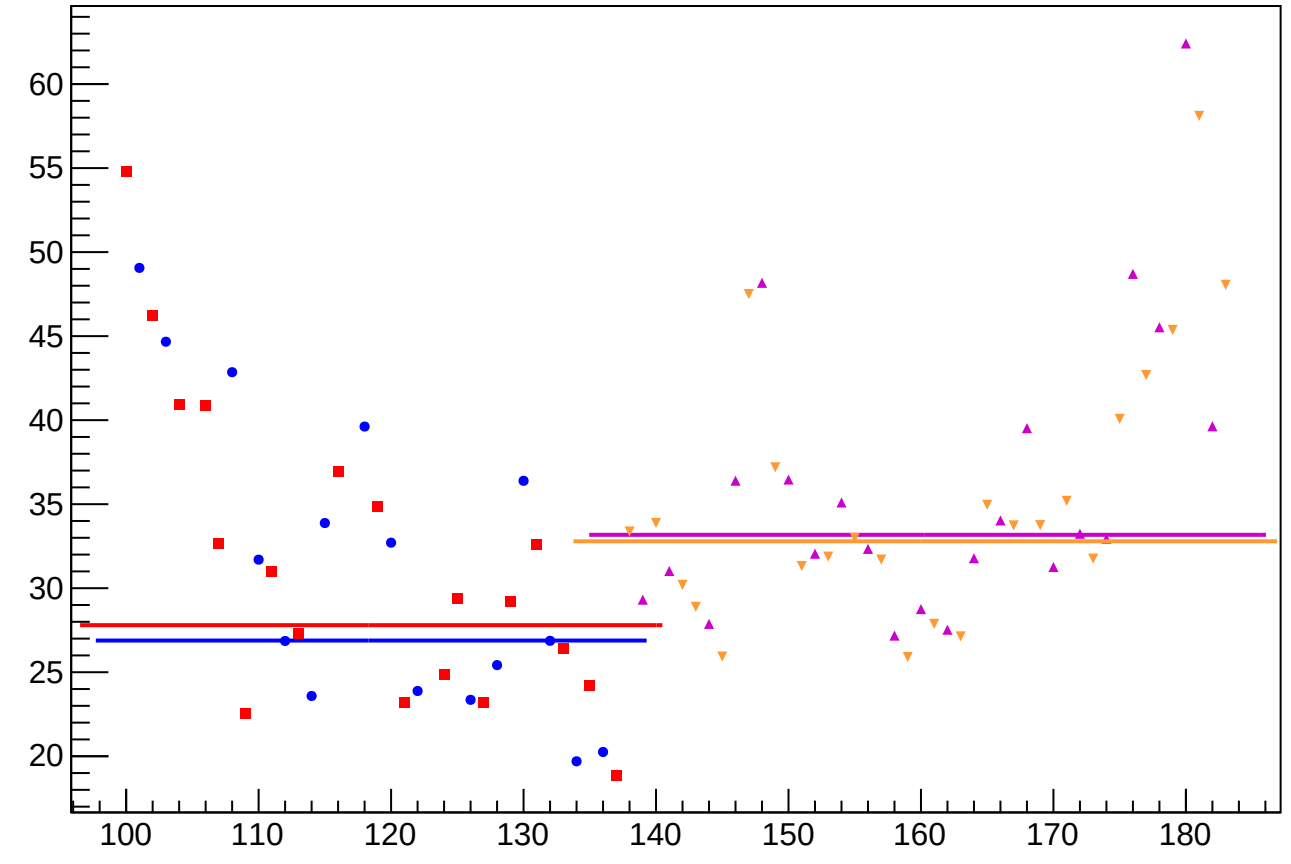
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.008 χ^2/NDF:18.8/21

+ sign 0.002+/-0.006 χ^2/NDF: 43.5/39

All: 0.004+/-0.004 χ^2/NDF: 77.1/80

- sign 0.007+/-0.006 χ^2/NDF: 33.2/40



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.791+/-0.005 χ^2/NDF:1315368.2/23

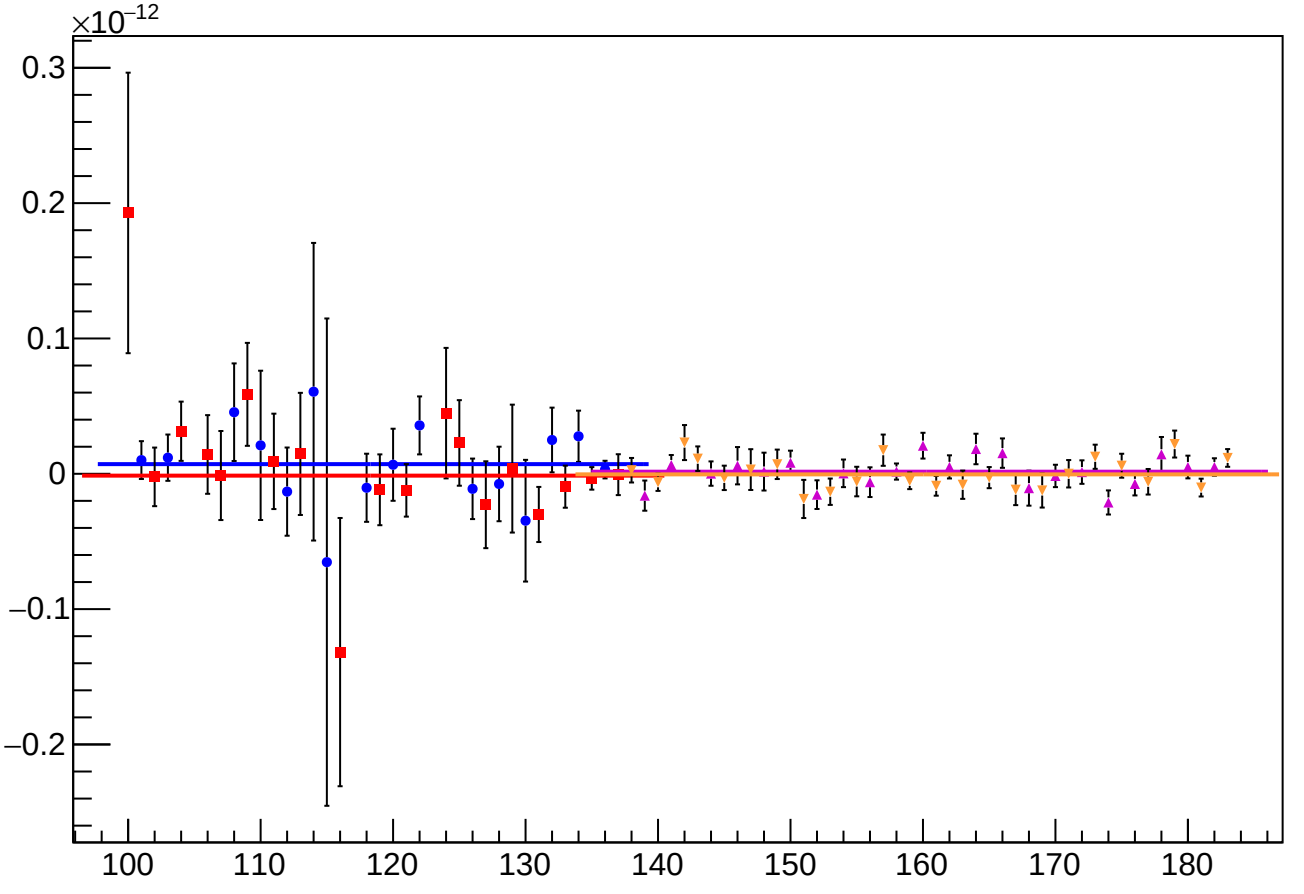
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 33.176+/-0.006 χ^2/NDF:1217917.0/21

\+ sign 30.730+/-0.004 χ^2/NDF: 2847178.6/39

All: 30.961+/-0.003 χ^2/NDF: 5163403.8/80

\- sign 31.205+/-0.005 χ^2/NDF: 2310527.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.7/23

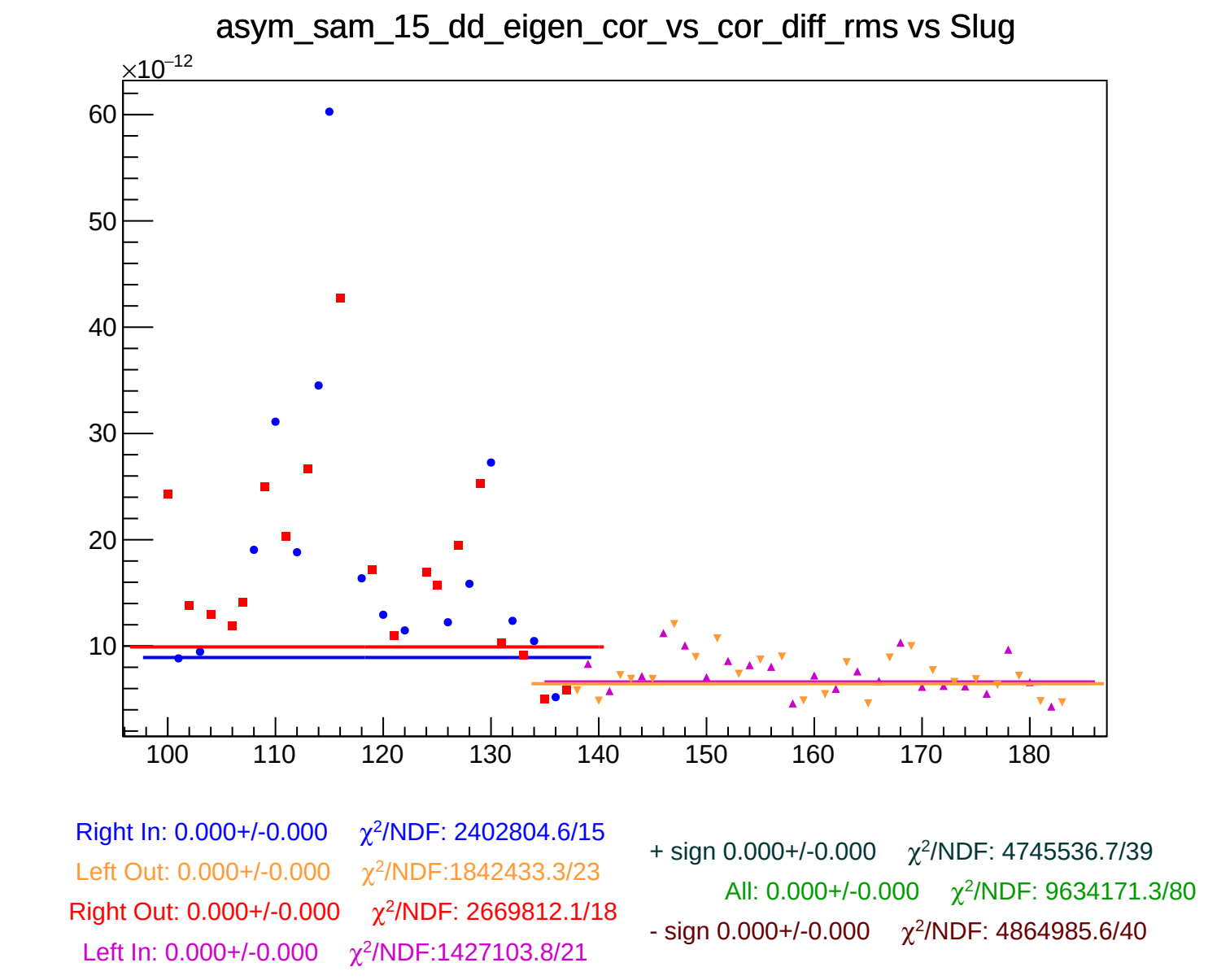
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/21

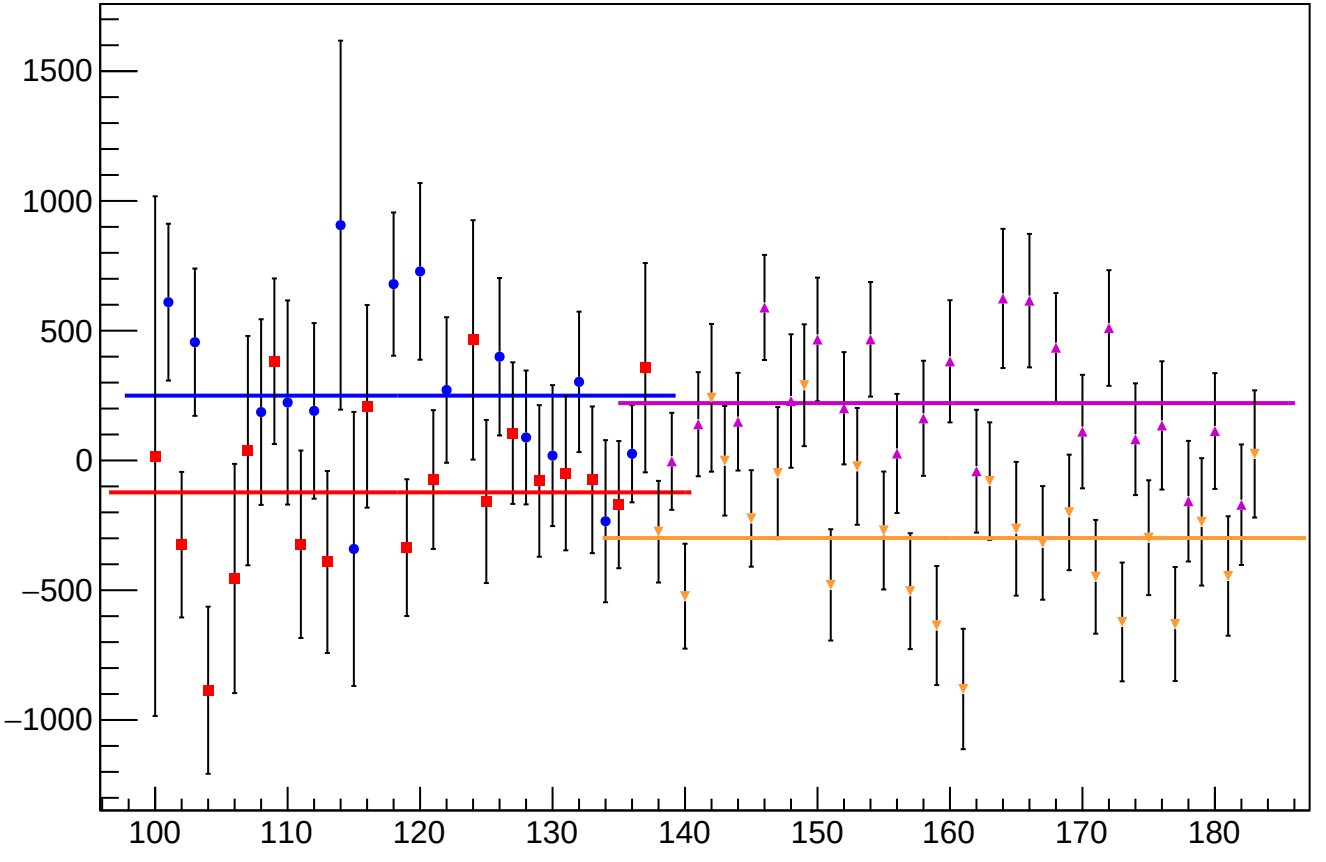
+ sign 0.000+/-0.000 χ^2/NDF: 41.3/39

All: 0.000+/-0.000 χ^2/NDF: 81.8/80

- sign 0.000+/-0.000 χ^2/NDF: 40.5/40


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1842433.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:1427103.8/21
+ sign 0.000+/-0.000 χ²/NDF: 4745536.7/39
All: 0.000+/-0.000 χ²/NDF: 9634171.3/80
- sign 0.000+/-0.000 χ²/NDF: 4864985.6/40

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -298.946+/-45.872 χ^2/NDF:33.9/23

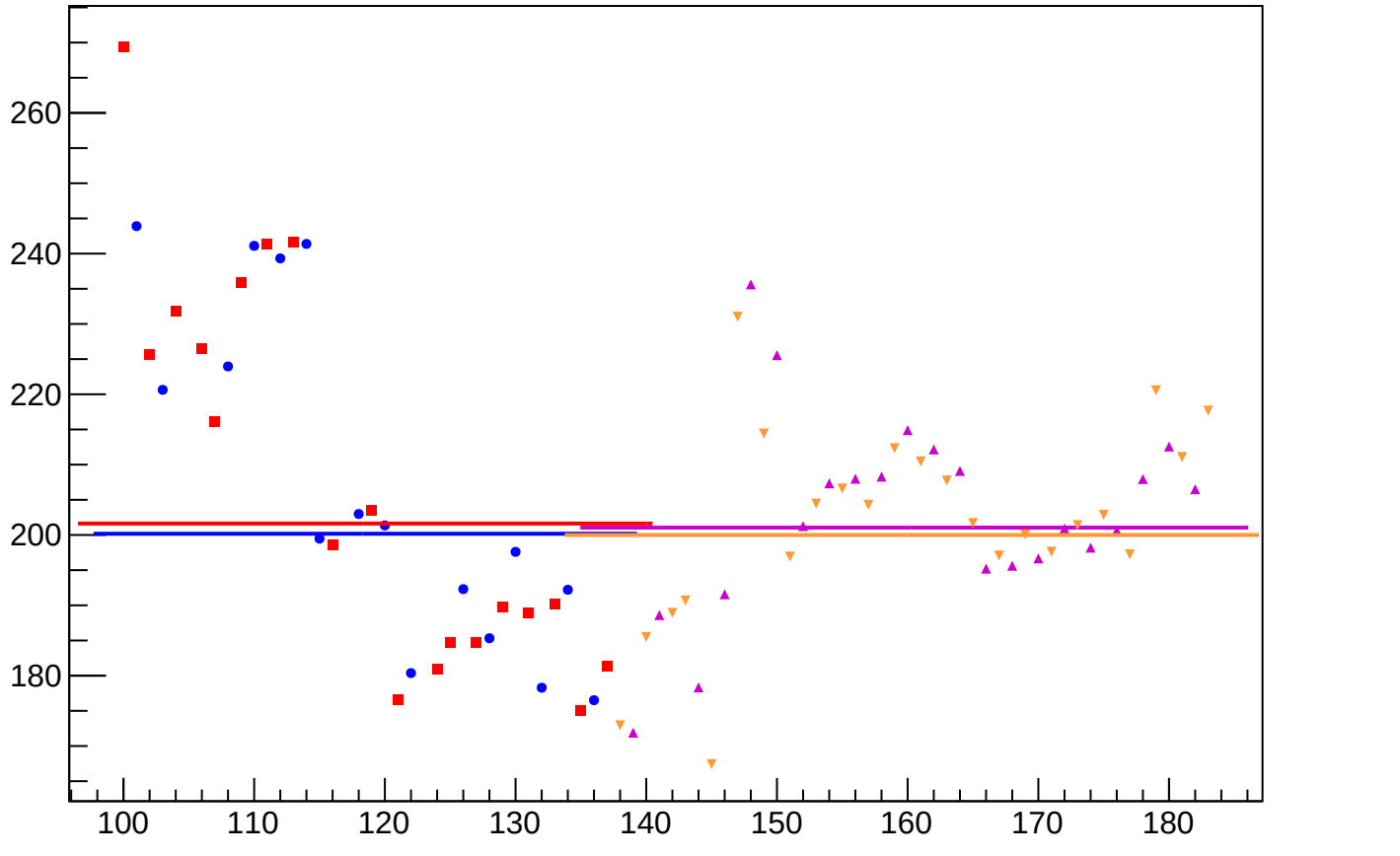
Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: 221.046+/-47.474 χ^2/NDF:23.7/21

+ sign -149.206+/-39.115 χ^2/NDF: 86.7/39

All: -16.962+/-27.972 χ^2/NDF: 164.6/80

- sign 121.442+/-40.016 χ^2/NDF: 54.5/40



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 199.994+/-0.032 χ^2/NDF:200466.0/23

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

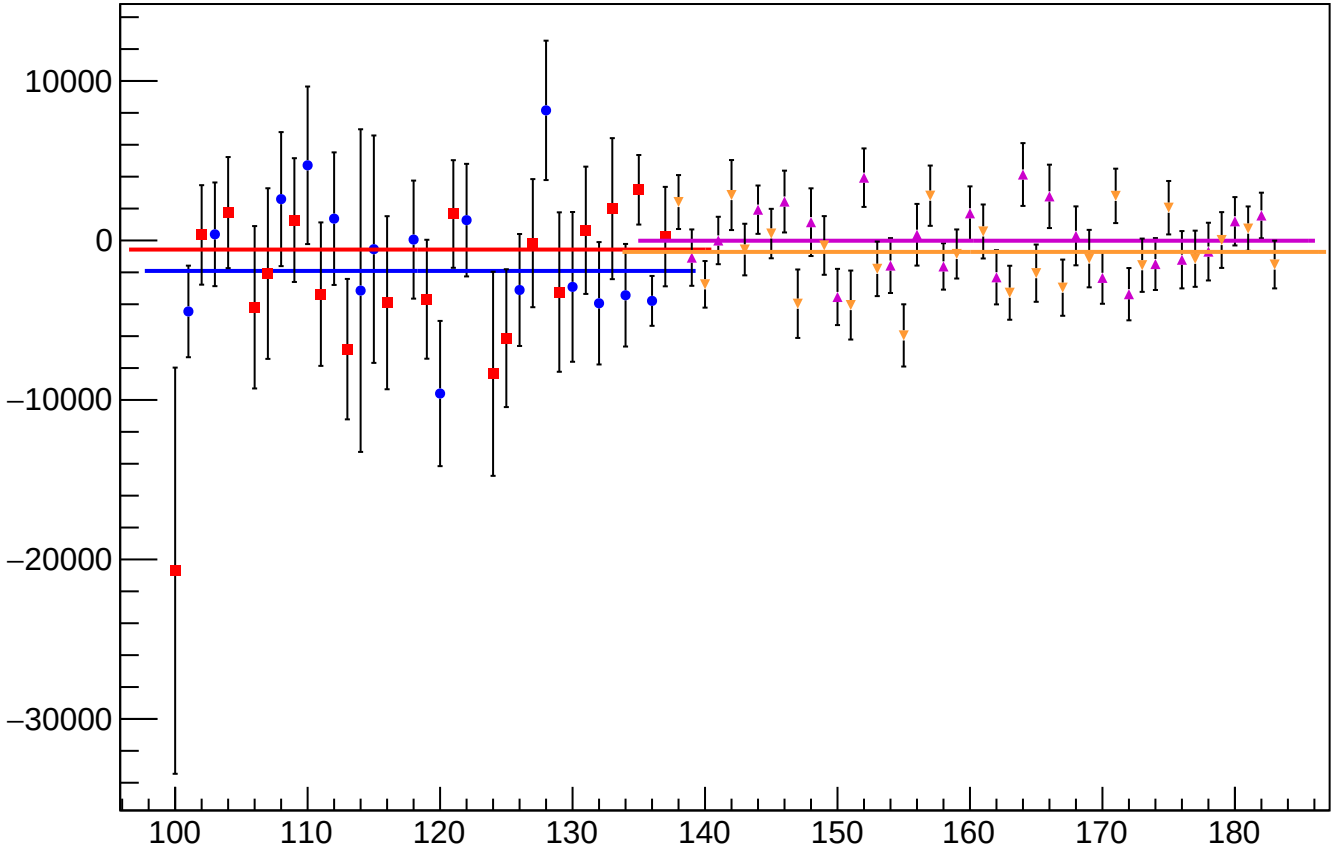
Left In: 201.049+/-0.034 χ^2/NDF:177659.8/21

+ sign 200.044+/-0.028 χ^2/NDF: 381475.9/39

All: 200.617+/-0.020 χ^2/NDF: 757344.5/80

- sign 201.216+/-0.028 χ^2/NDF: 374991.4/40

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -717.655+/-349.904 χ^2/NDF:38.3/23

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

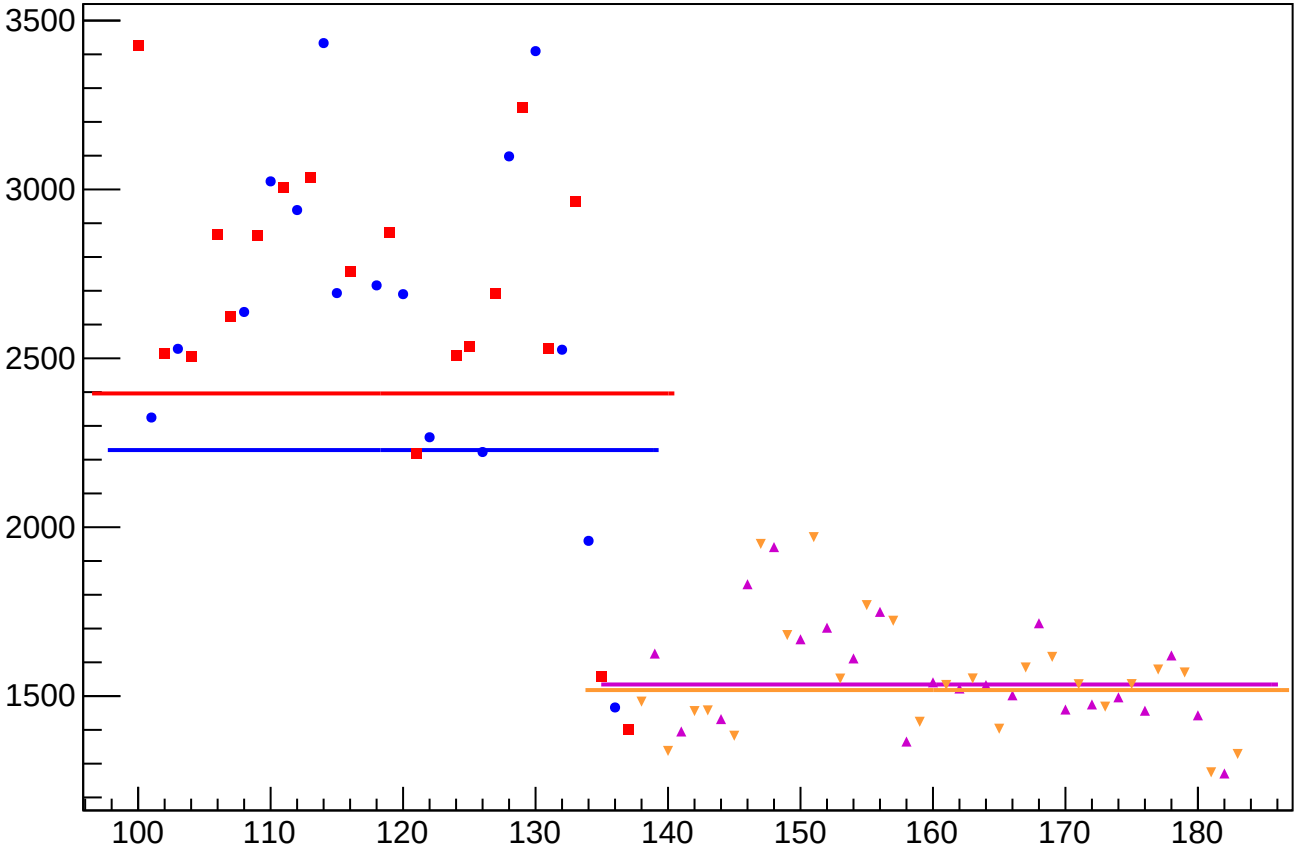
Left In: -16.525+/-363.650 χ^2/NDF:33.4/21

+ sign -887.359+/-324.056 χ^2/NDF: 56.2/39

All: -506.562+/-233.648 χ^2/NDF: 107.5/80

- sign -94.269+/-337.191 χ^2/NDF: 48.4/40

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1517.844+/-0.247 χ^2/NDF:418114.2/23

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

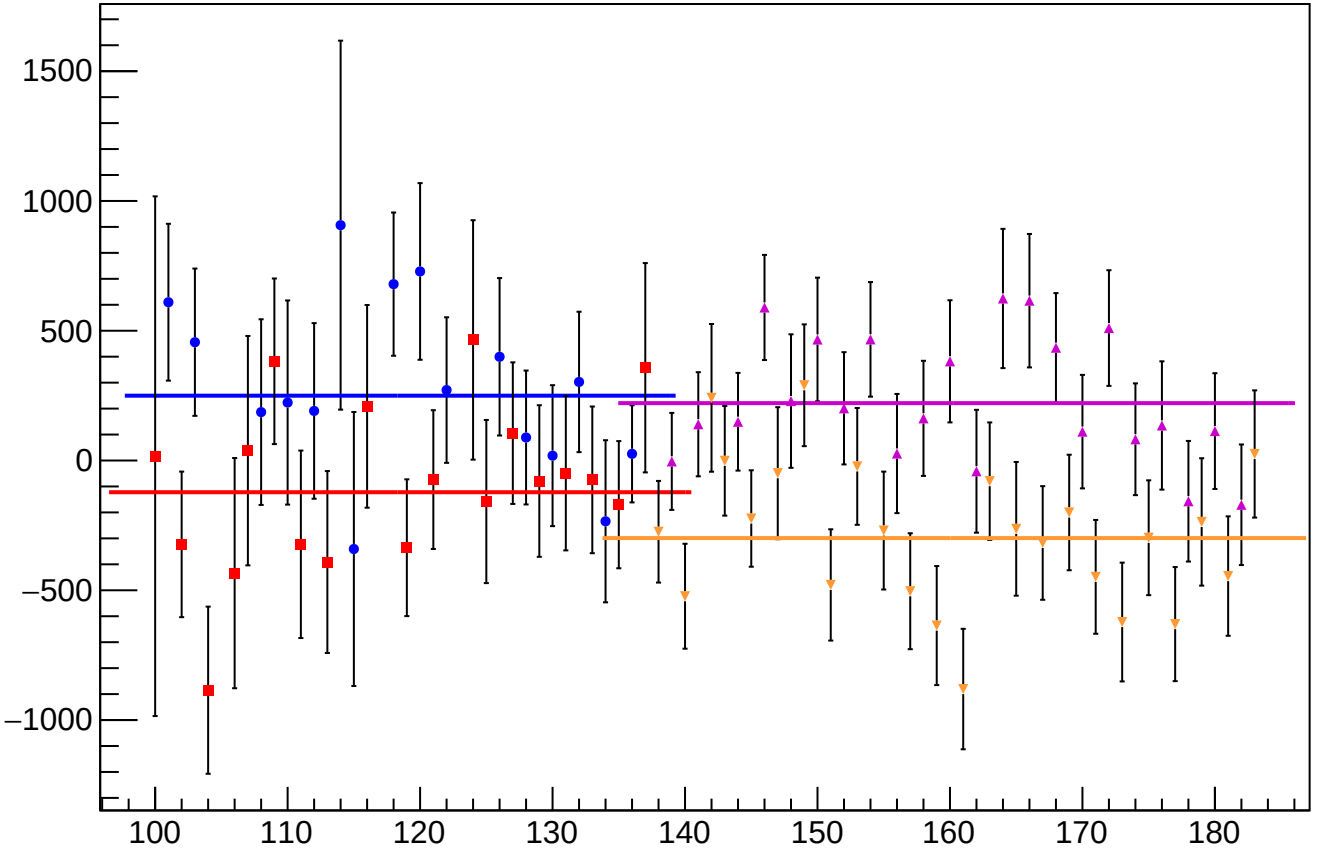
Left In: 1534.410+/-0.257 χ^2/NDF:347626.0/21

\+ sign 1618.951+/-0.229 χ^2/NDF: 2539401.5/39

All: 1636.375+/-0.165 χ^2/NDF: 5273128.4/80

\- sign 1655.239+/-0.238 χ^2/NDF: 2721685.3/40

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -298.945+/-45.872 χ^2/NDF:33.9/23

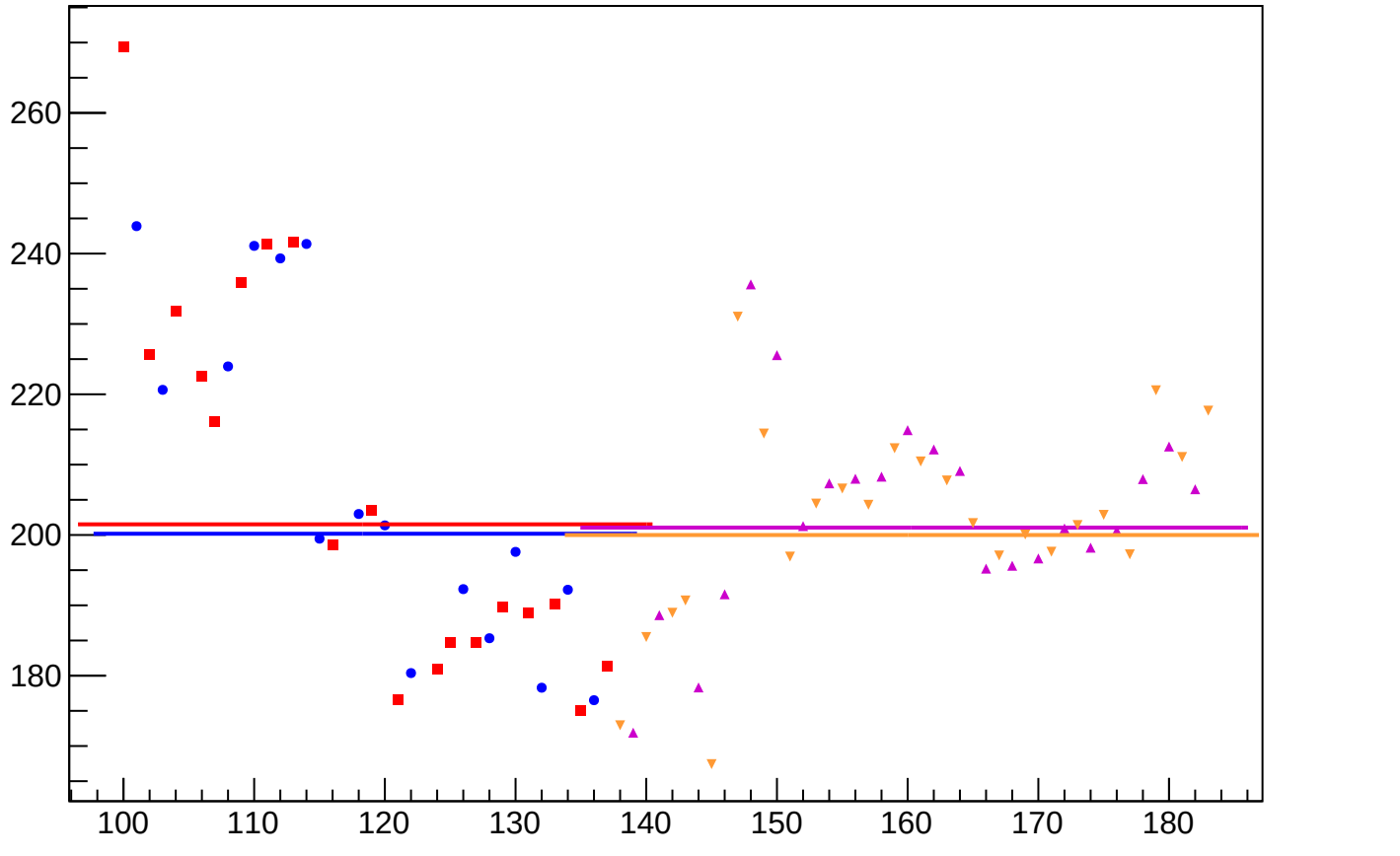
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 221.054+/-47.474 χ^2/NDF:23.7/21

+ sign -149.205+/-39.115 χ^2/NDF: 86.7/39

All: -16.844+/-27.972 χ^2/NDF: 164.4/80

- sign 121.693+/-40.017 χ^2/NDF: 54.3/40



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 199.994+/-0.032 χ^2/NDF:200466.0/23

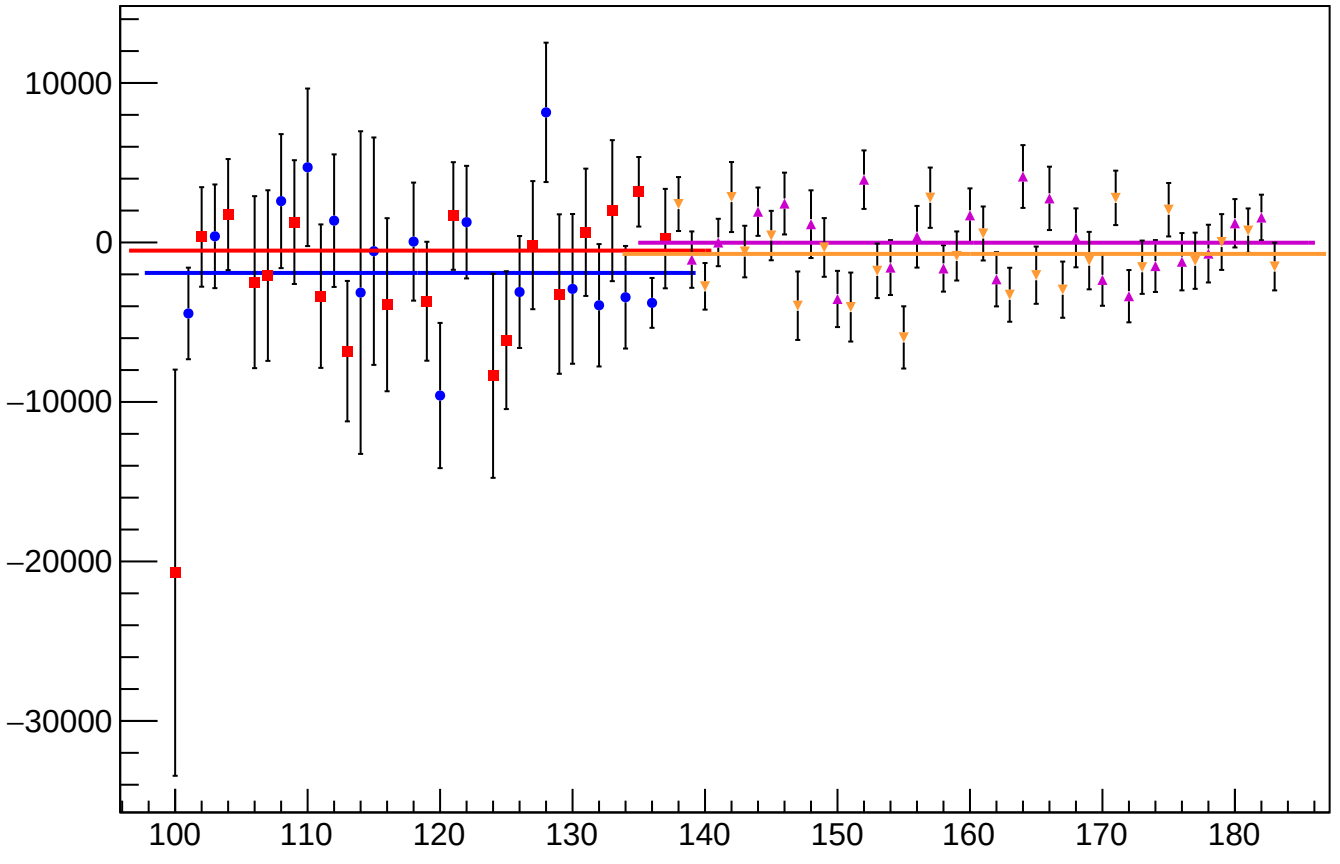
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 201.049+/-0.034 χ^2/NDF:177659.8/21

+ sign 200.044+/-0.028 χ^2/NDF: 381476.3/39

All: 200.601+/-0.020 χ^2/NDF: 755451.8/80

- sign 201.183+/-0.028 χ^2/NDF: 373146.7/40



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -717.656+/-349.904 χ^2/NDF:38.3/23

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

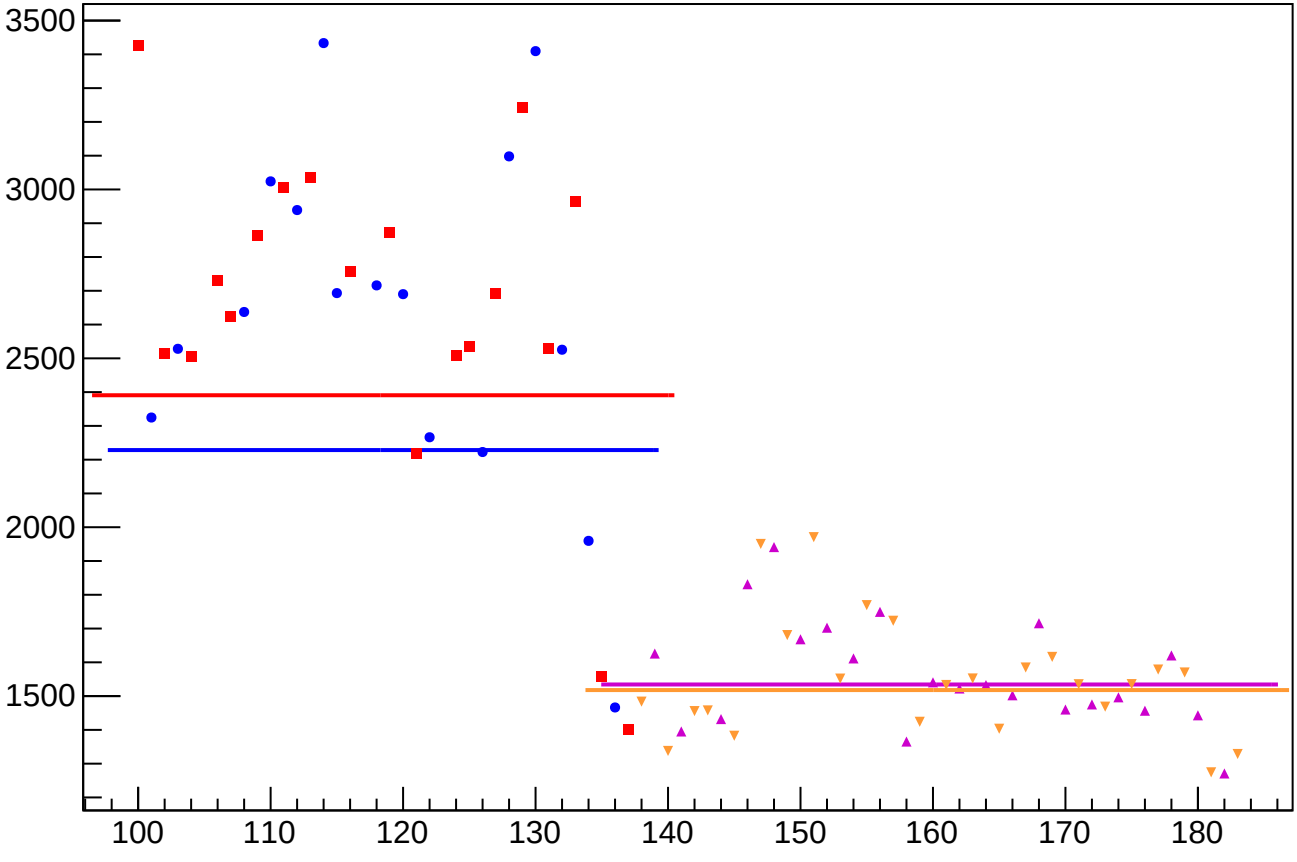
Left In: -16.524+/-363.650 χ^2/NDF:33.4/21

+ sign -887.355+/-324.056 χ^2/NDF: 56.2/39

All: -502.539+/-233.675 χ^2/NDF: 107.1/80

- sign -85.695+/-337.272 χ^2/NDF: 47.9/40

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1517.844+/-0.247 χ^2/NDF:418114.8/23

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

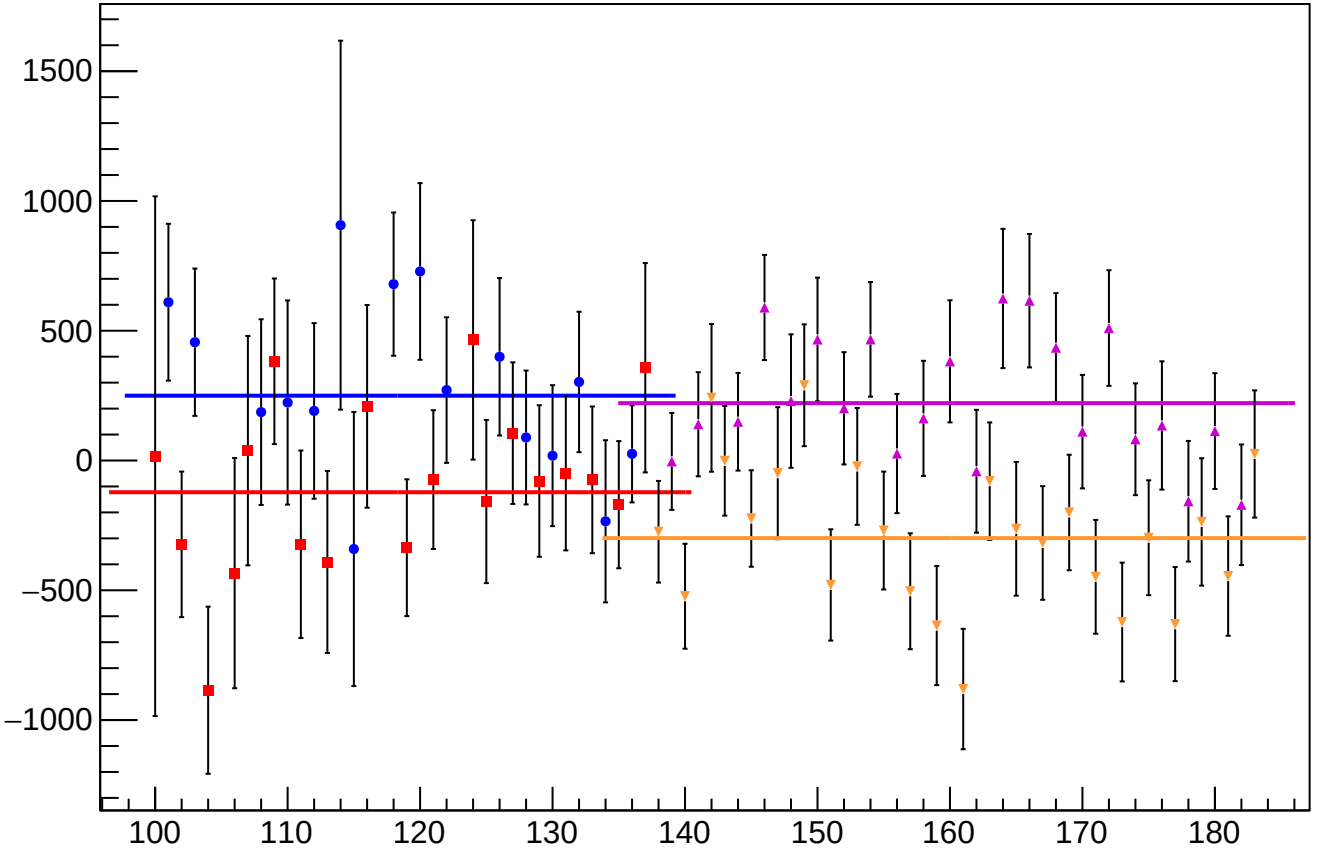
Left In: 1534.411+/-0.257 χ^2/NDF:347625.4/21

+ sign 1618.952+/-0.229 χ^2/NDF: 2539414.4/39

All: 1635.839+/-0.165 χ^2/NDF: 5238854.6/80

- sign 1654.132+/-0.238 χ^2/NDF: 2688125.2/40

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -298.945+/-45.872 χ^2/NDF:33.9/23

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

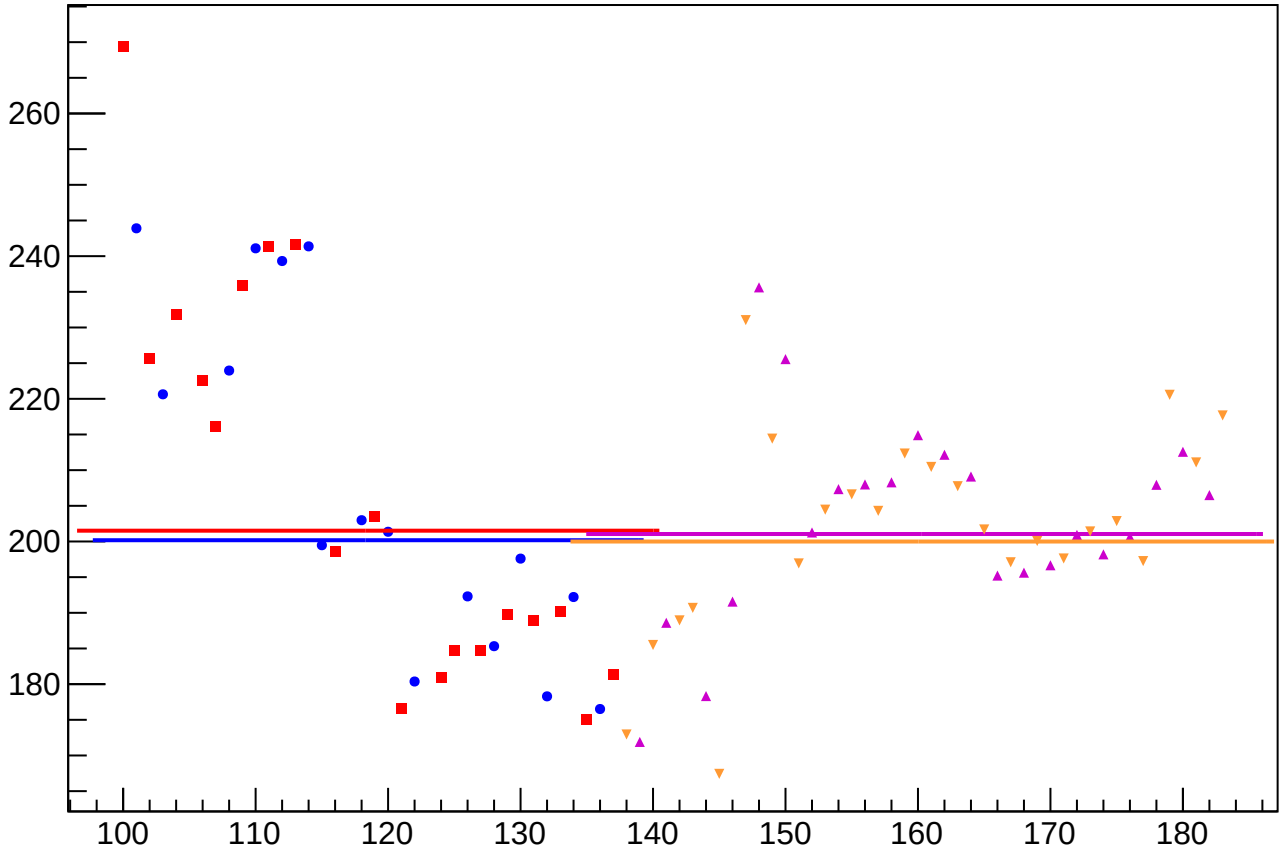
Left In: 221.054+/-47.474 χ^2/NDF:23.7/21

+ sign -149.205+/-39.115 χ^2/NDF: 86.7/39

All: -16.844+/-27.972 χ^2/NDF: 164.4/80

- sign 121.693+/-40.017 χ^2/NDF: 54.3/40

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 199.994+/-0.032 χ^2/NDF:200466.0/23

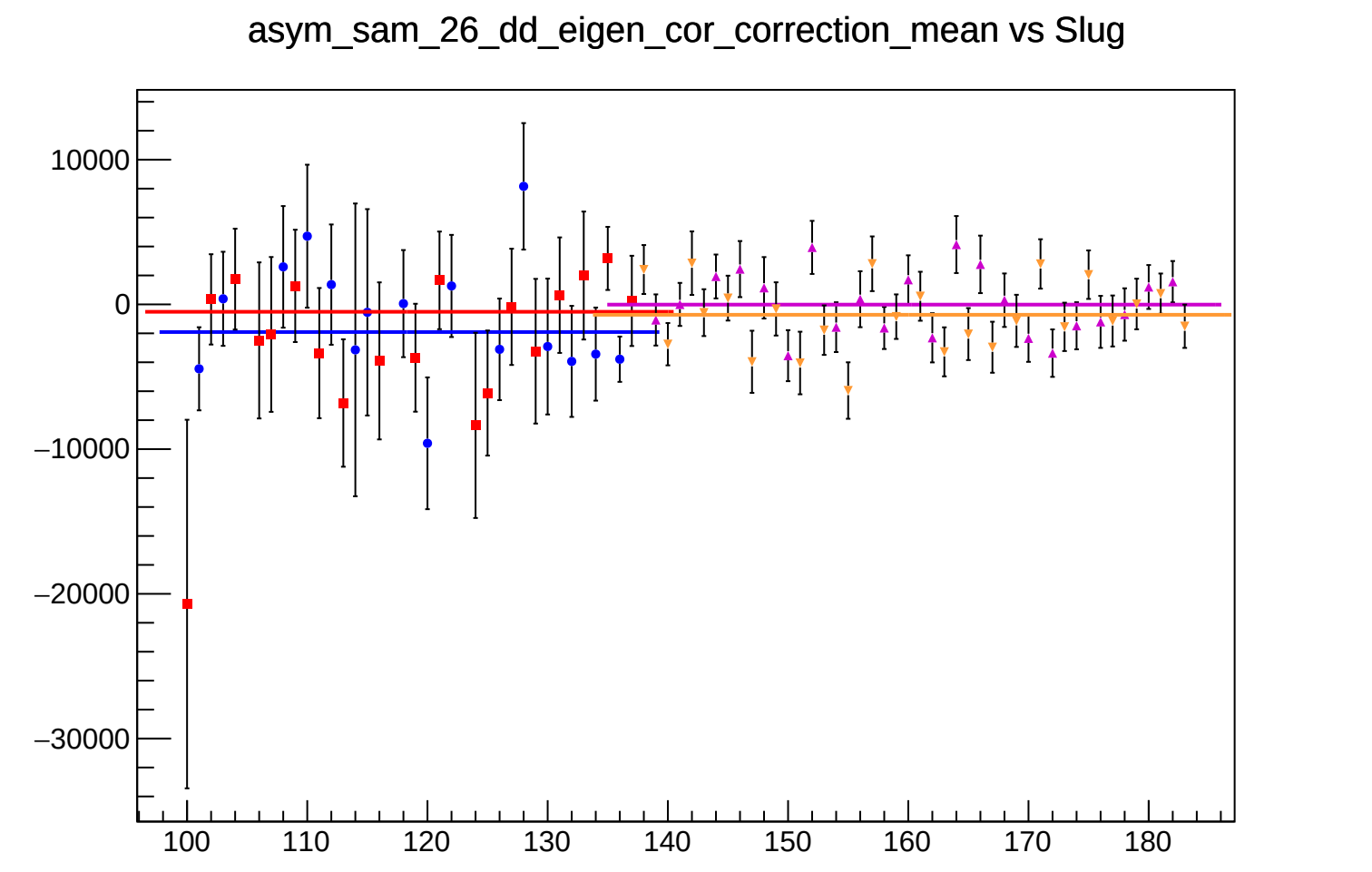
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 201.049+/-0.034 χ^2/NDF:177659.8/21

\+ sign 200.044+/-0.028 χ^2/NDF: 381476.3/39

All: 200.601+/-0.020 χ^2/NDF: 755451.8/80

\- sign 201.183+/-0.028 χ^2/NDF: 373146.7/40



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -717.656+/-349.904 χ^2/NDF:38.3/23

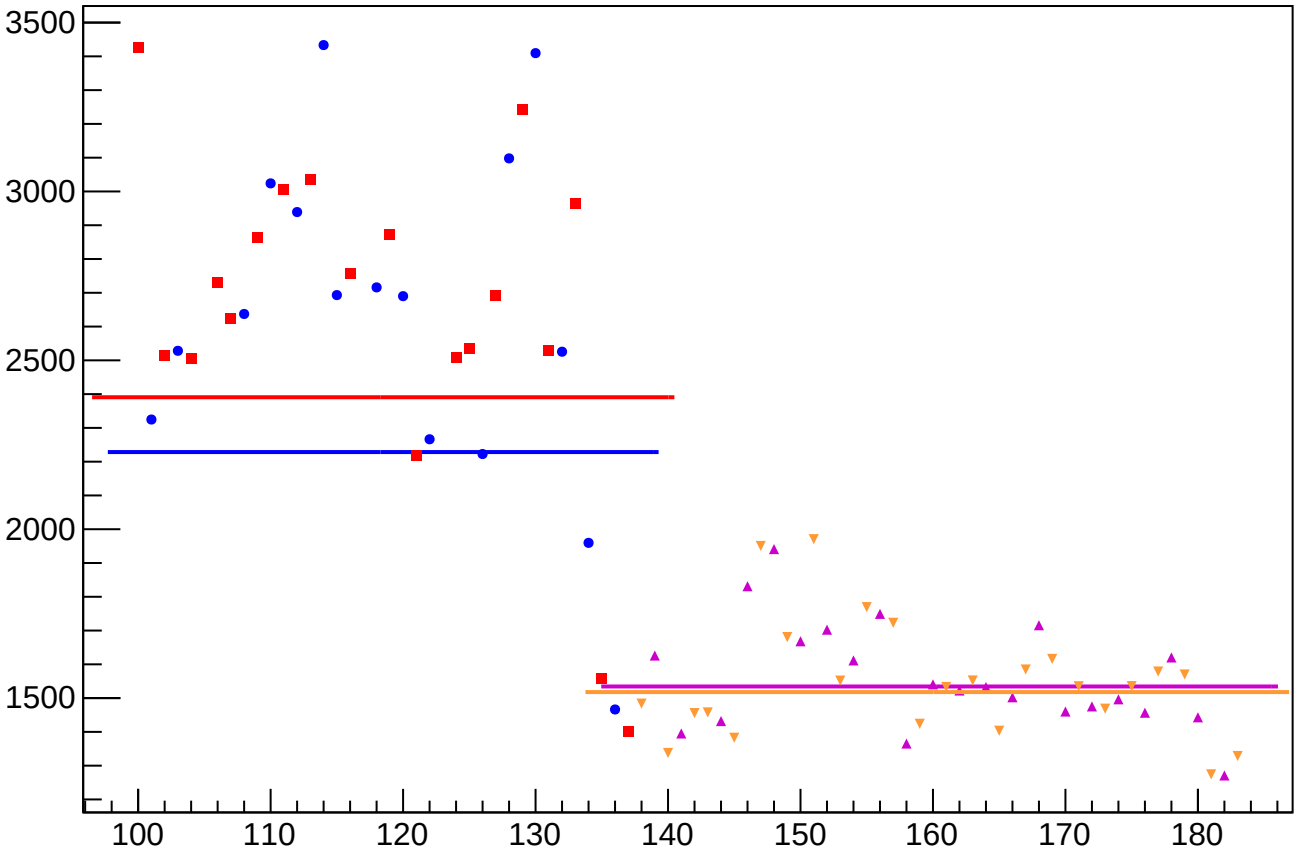
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -16.524+/-363.650 χ^2/NDF:33.4/21

+ sign -887.355+/-324.056 χ^2/NDF: 56.2/39

All: -502.539+/-233.675 χ^2/NDF: 107.1/80

- sign -85.695+/-337.272 χ^2/NDF: 47.9/40



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1517.844+/-0.247 χ^2/NDF:418114.8/23

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

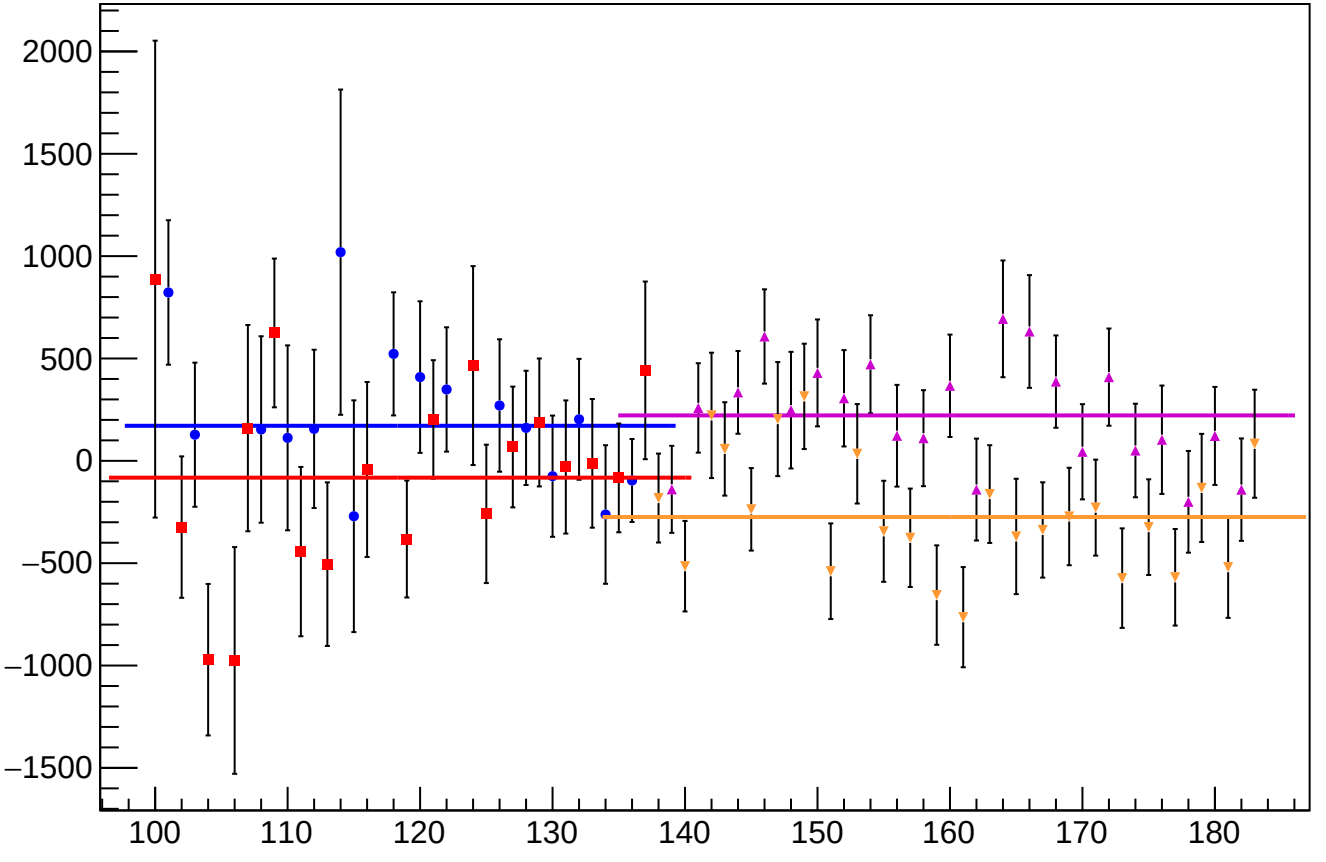
Left In: 1534.411+/-0.257 χ^2/NDF:347625.4/21

+ sign 1618.952+/-0.229 χ^2/NDF: 2539414.4/39

All: 1635.839+/-0.165 χ^2/NDF: 5238854.6/80

- sign 1654.132+/-0.238 χ^2/NDF: 2688125.2/40

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -274.438+/-49.425 χ^2/NDF:30.6/23

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

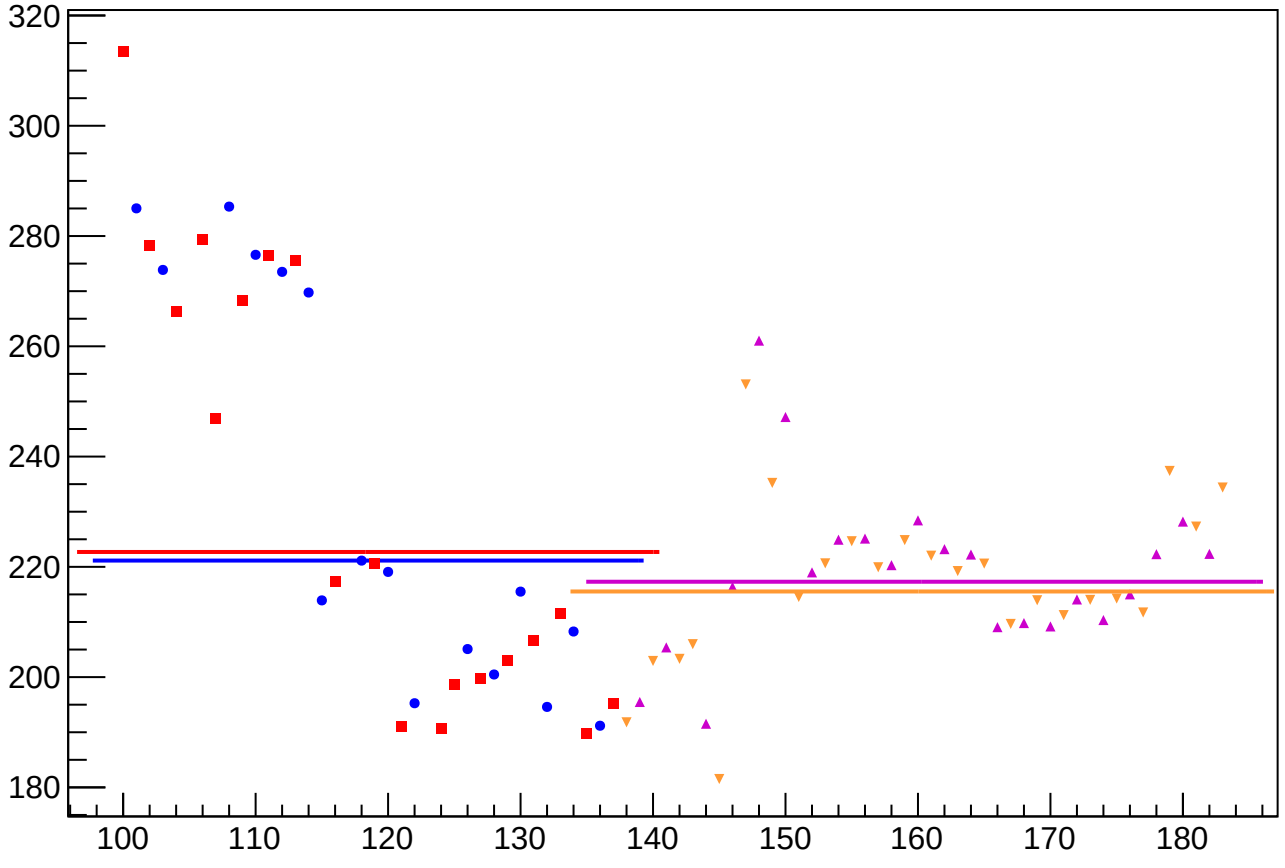
Left In: 221.885+/-51.314 χ^2/NDF:23.3/21

+ sign -158.006+/-42.482 χ^2/NDF: 63.4/39

All: -14.198+/-30.420 χ^2/NDF: 141.6/80

- sign 137.141+/-43.580 χ^2/NDF: 54.7/40

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 215.532+/-0.035 χ^2/NDF:182988.0/23

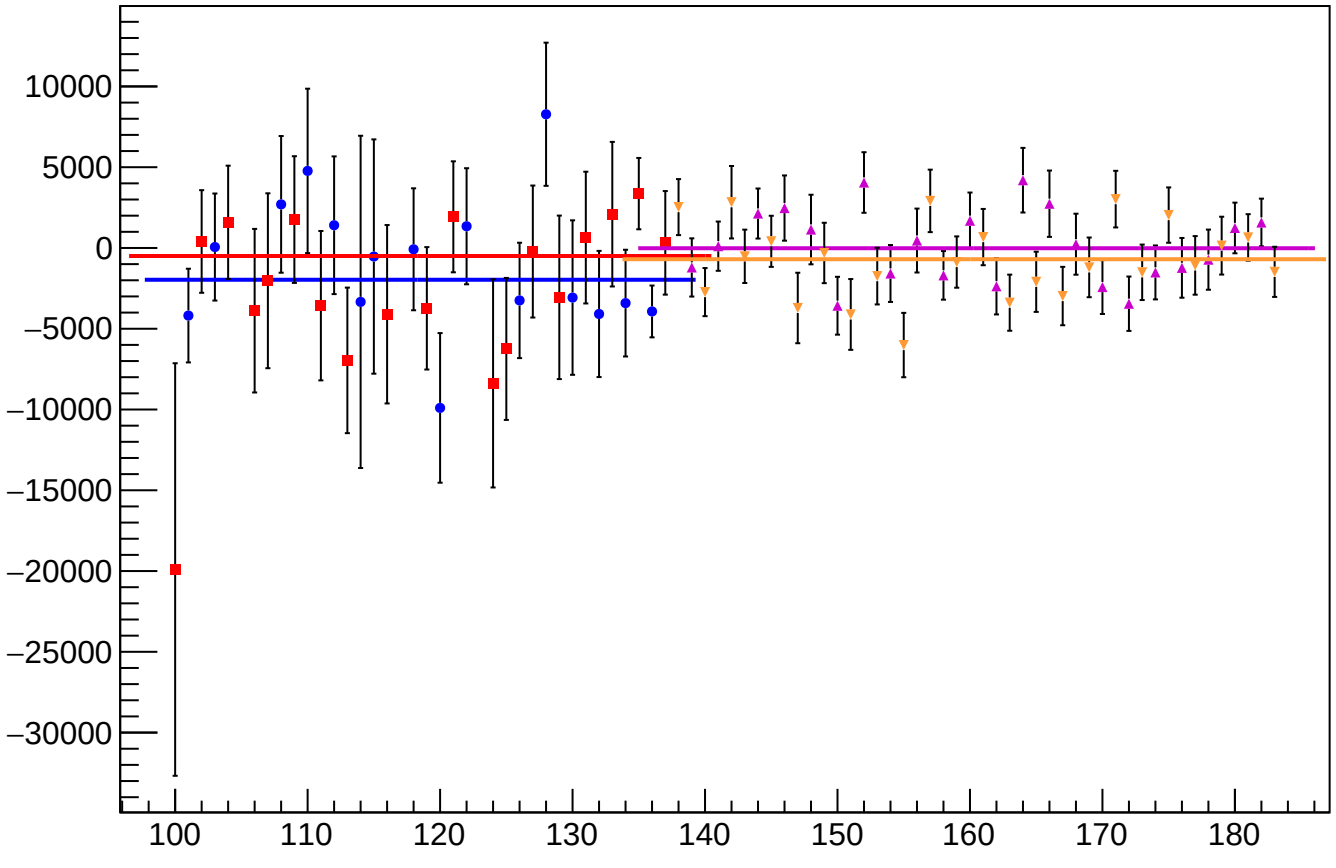
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.299+/-0.036 χ^2/NDF:157503.6/21

+ sign 216.997+/-0.030 χ^2/NDF: 508413.8/39

All: 217.877+/-0.022 χ^2/NDF: 1000882.0/80

- sign 218.804+/-0.031 χ^2/NDF: 490705.0/40



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -696.159+/-358.911 χ^2/NDF:37.6/23

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

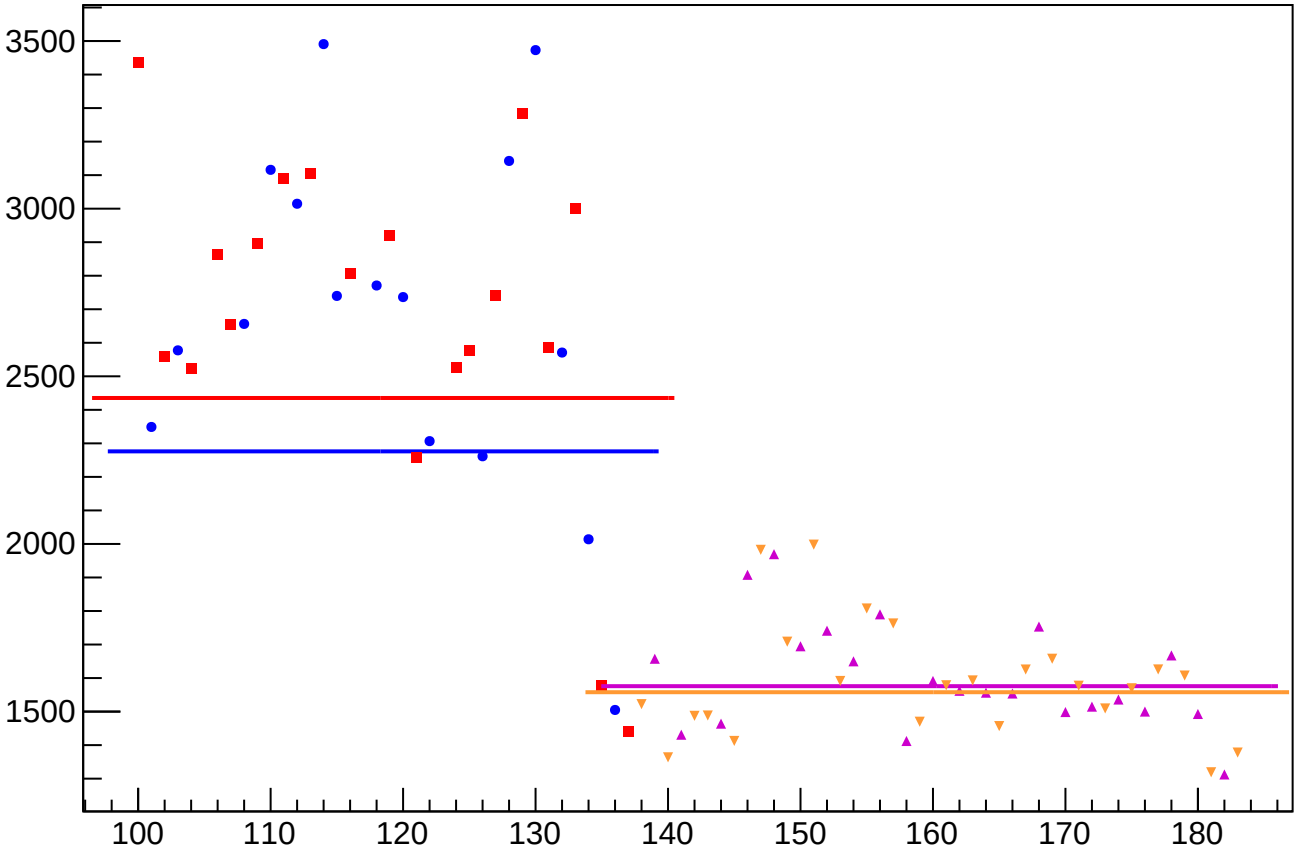
Left In: -16.369+/-373.337 χ^2/NDF:33.4/21

+ sign -878.669+/-332.150 χ^2/NDF: 55.5/39

All: -497.662+/-239.498 χ^2/NDF: 106.7/80

- sign -85.035+/-345.657 χ^2/NDF: 48.4/40

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1557.792+/-0.254 χ^2/NDF:391446.1/23

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

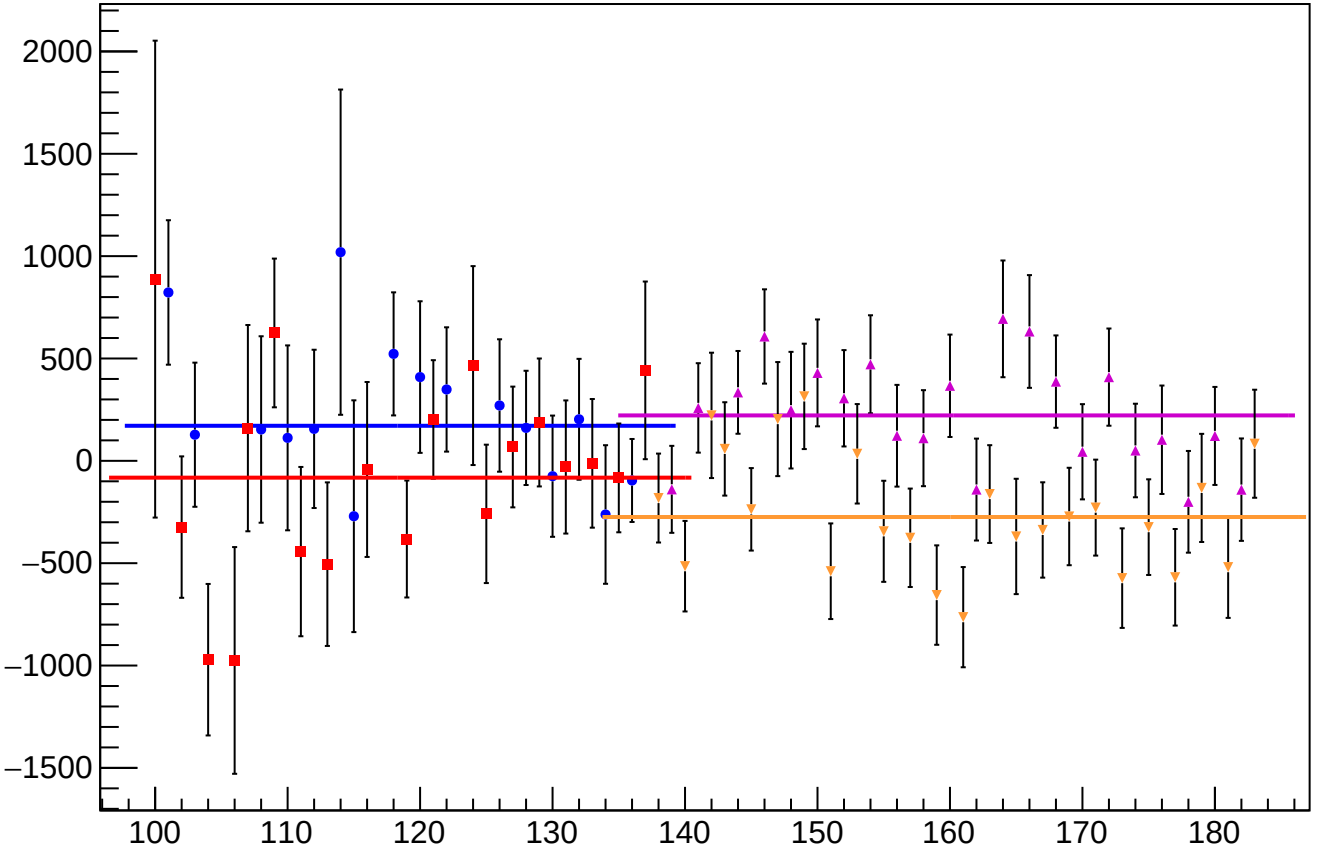
Left In: 1575.823+/-0.264 χ^2/NDF:332446.2/21

+ sign 1660.922+/-0.235 χ^2/NDF: 2468629.7/39

All: 1678.987+/-0.169 χ^2/NDF: 5118582.5/80

- sign 1698.550+/-0.244 χ^2/NDF: 2637630.8/40

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -274.440+/-49.425 χ^2/NDF:30.6/23

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

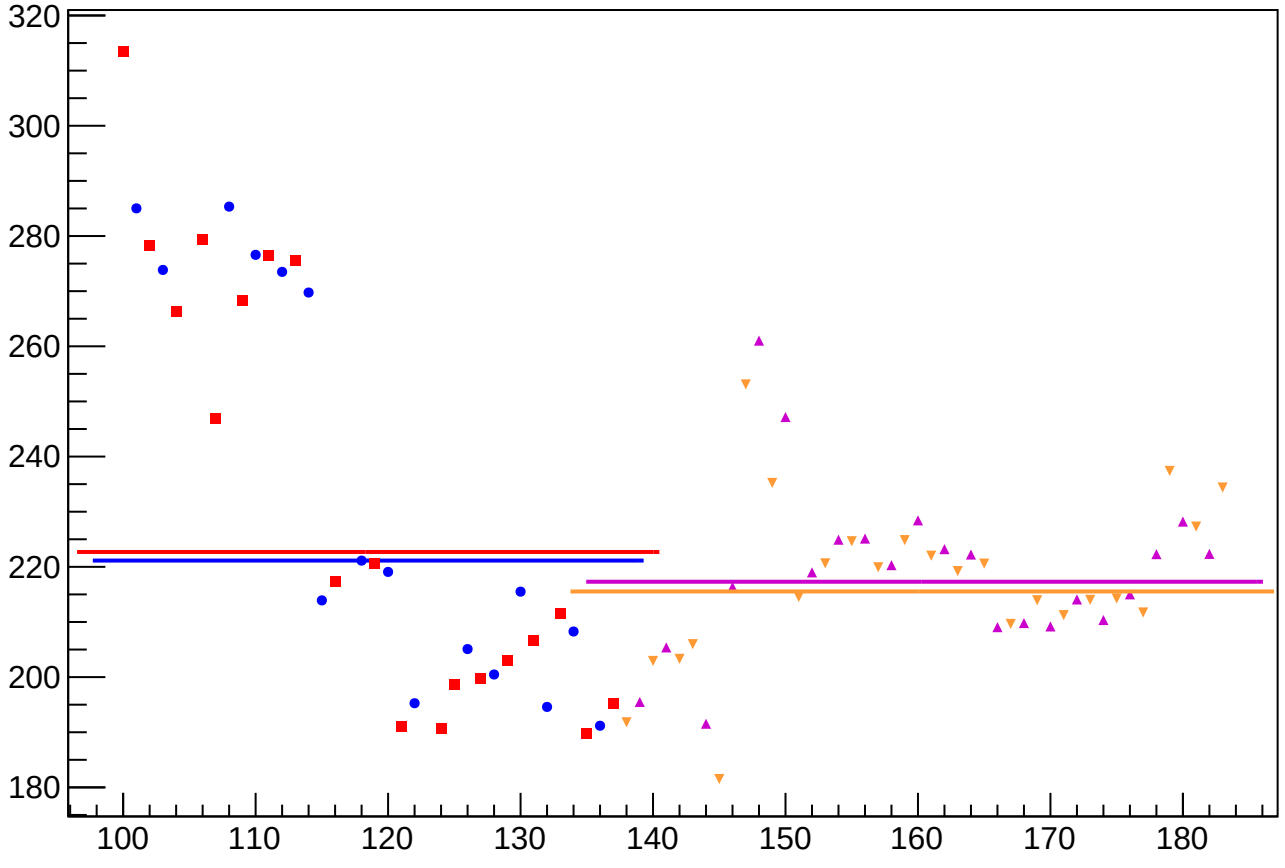
Left In: 221.885+/-51.314 χ^2/NDF:23.3/21

+ sign -158.006+/-42.481 χ^2/NDF: 63.4/39

All: -14.198+/-30.420 χ^2/NDF: 141.6/80

- sign 137.141+/-43.579 χ^2/NDF: 54.7/40

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 215.532+/-0.035 χ^2/NDF:182992.0/23

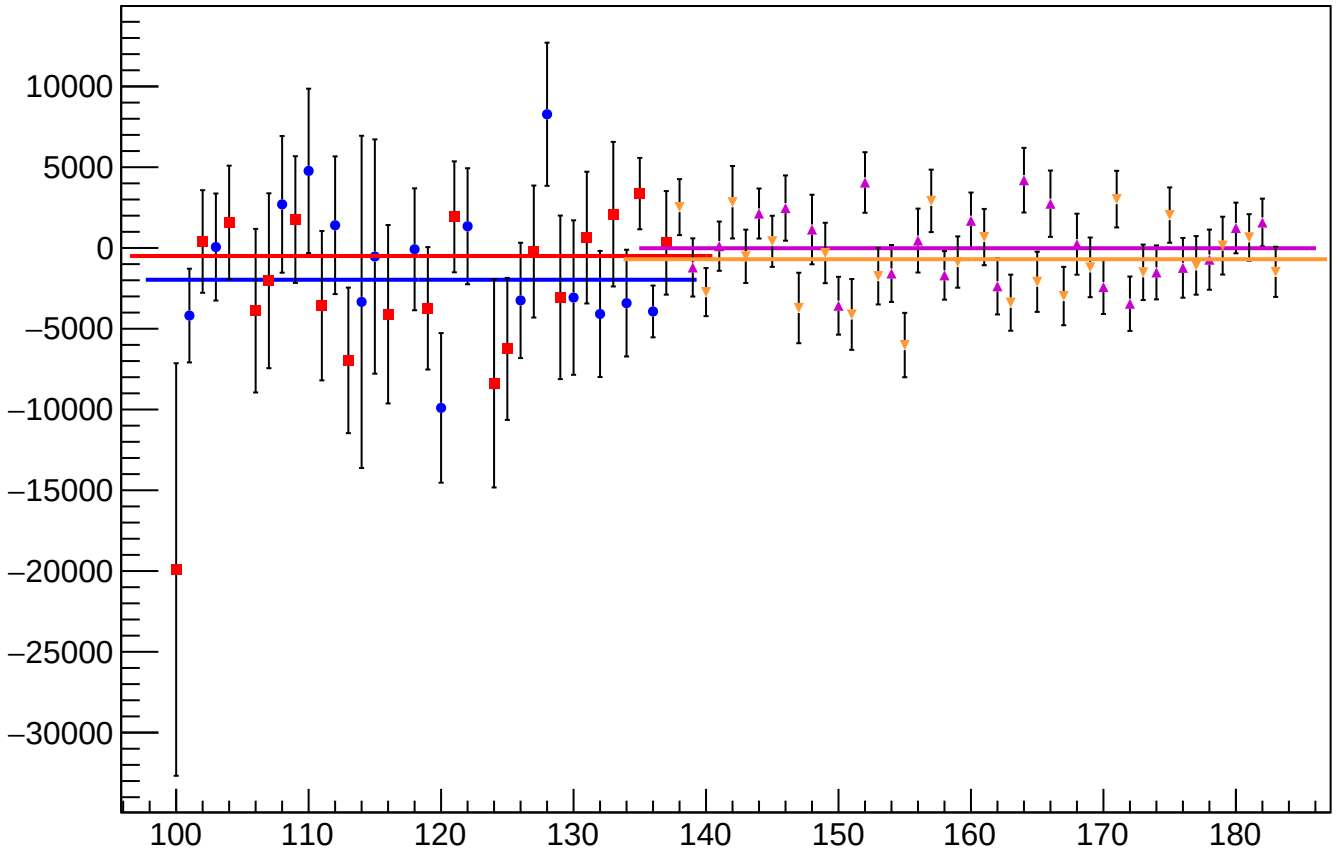
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.299+/-0.036 χ^2/NDF:157506.1/21

+ sign 216.996+/-0.030 χ^2/NDF: 508410.2/39

All: 217.877+/-0.022 χ^2/NDF: 1000872.1/80

- sign 218.803+/-0.031 χ^2/NDF: 490698.8/40



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -696.159+/-358.911 χ^2/NDF:37.6/23

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

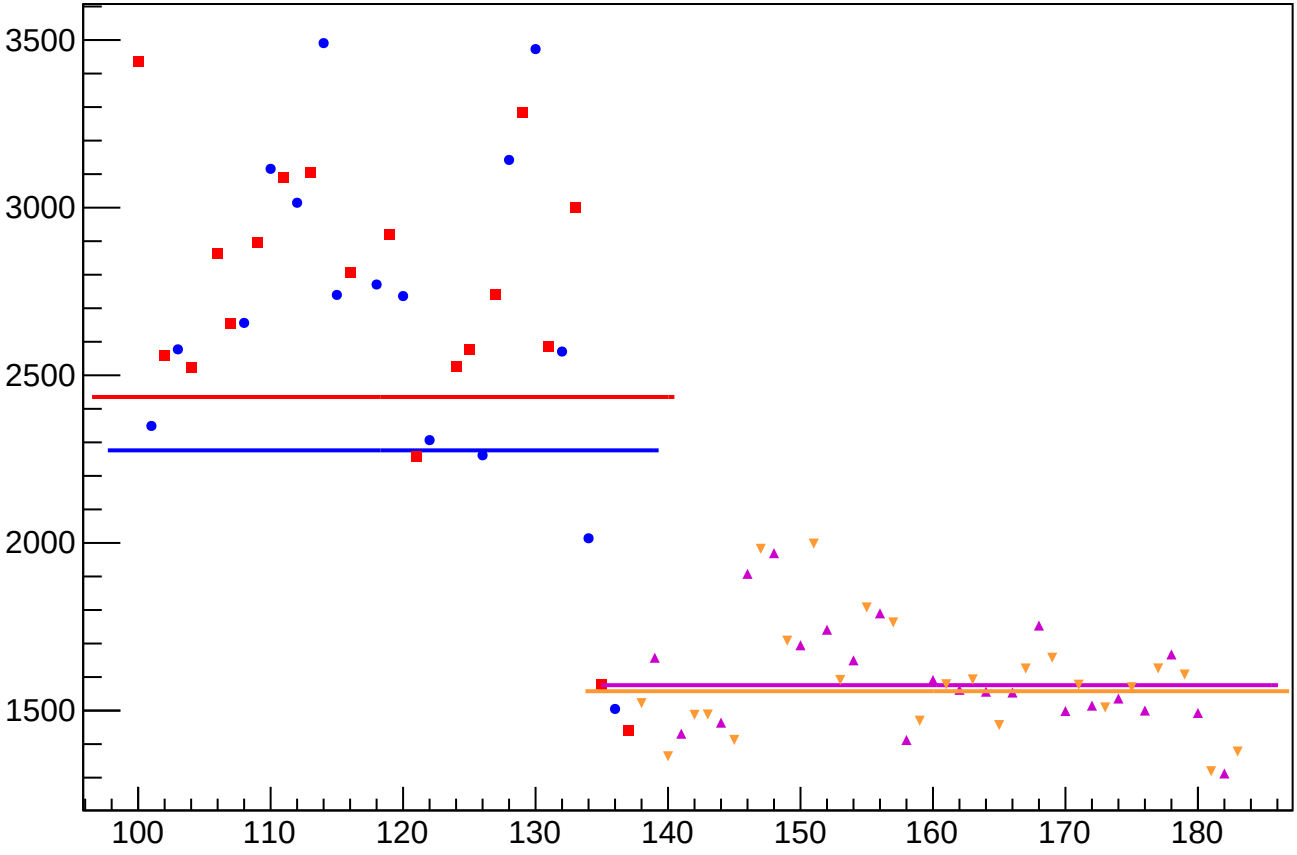
Left In: -16.370+/-373.337 χ^2/NDF:33.4/21

\+ sign -878.670+/-332.150 χ^2/NDF: 55.5/39

All: -497.663+/-239.498 χ^2/NDF: 106.7/80

\- sign -85.036+/-345.657 χ^2/NDF: 48.4/40

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1557.792+/-0.254 χ^2/NDF:391449.1/23

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

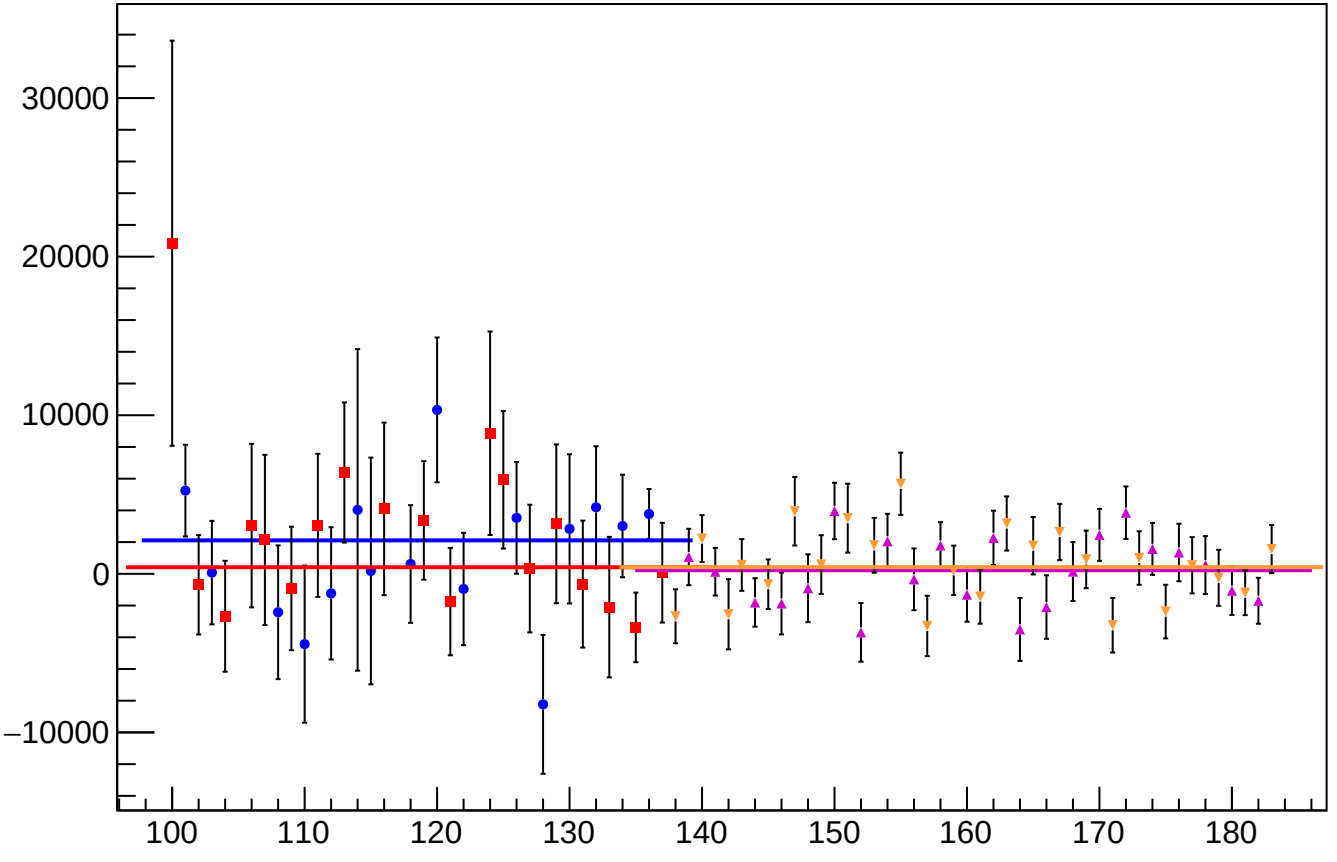
Left In: 1575.823+/-0.264 χ^2/NDF:332449.4/21

+ sign 1660.923+/-0.235 χ^2/NDF: 2468616.4/39

All: 1678.987+/-0.169 χ^2/NDF: 5118558.0/80

- sign 1698.550+/-0.244 χ^2/NDF: 2637619.9/40

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 421.258+/-353.098 χ^2/NDF:38.8/23

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

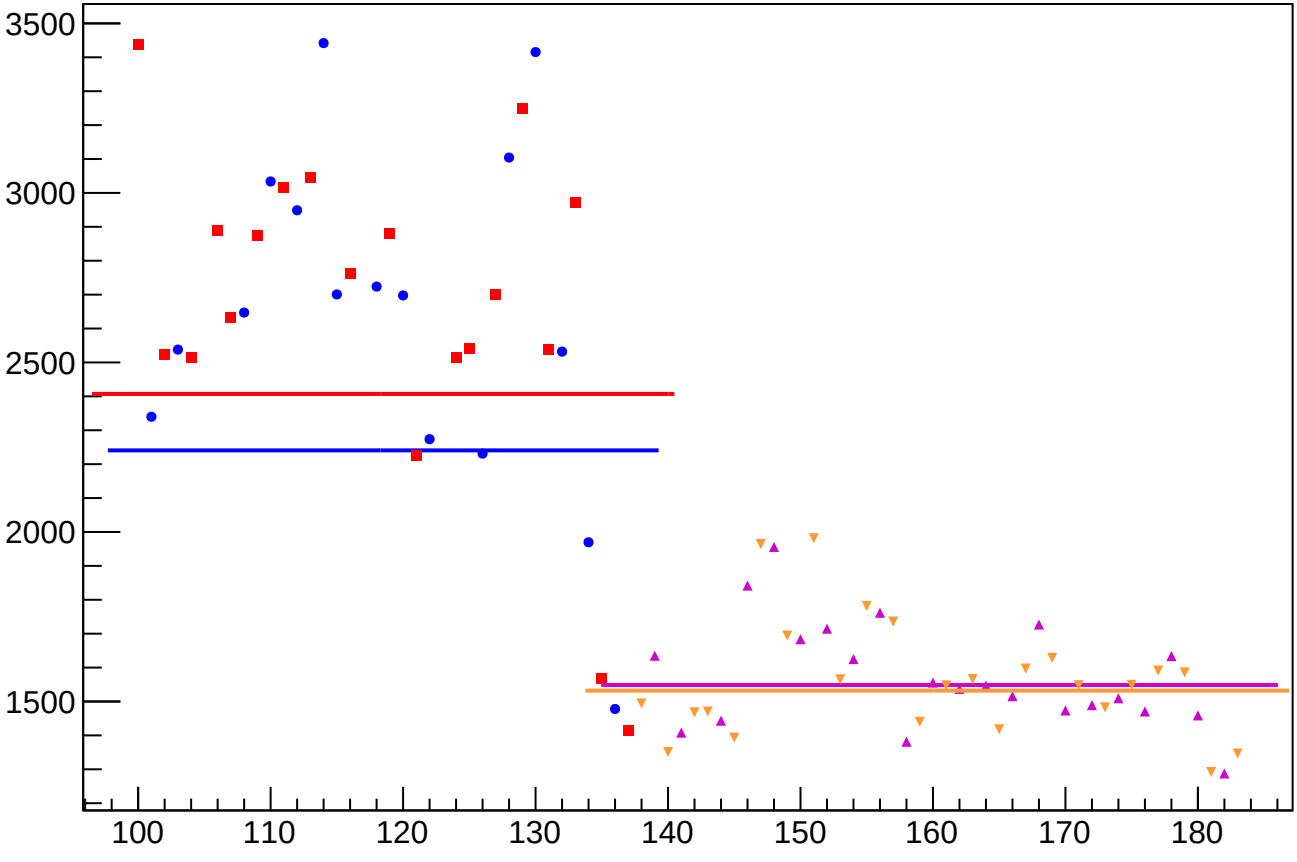
Left In: 226.947+/-366.924 χ^2/NDF:32.0/21

+ sign 663.216+/-326.817 χ^2/NDF: 58.7/39

All: 466.410+/-235.620 χ^2/NDF: 106.1/80

- sign 253.397+/-340.007 χ^2/NDF: 46.7/40

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1532.037+/-0.250 χ^2/NDF:406640.1/23

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

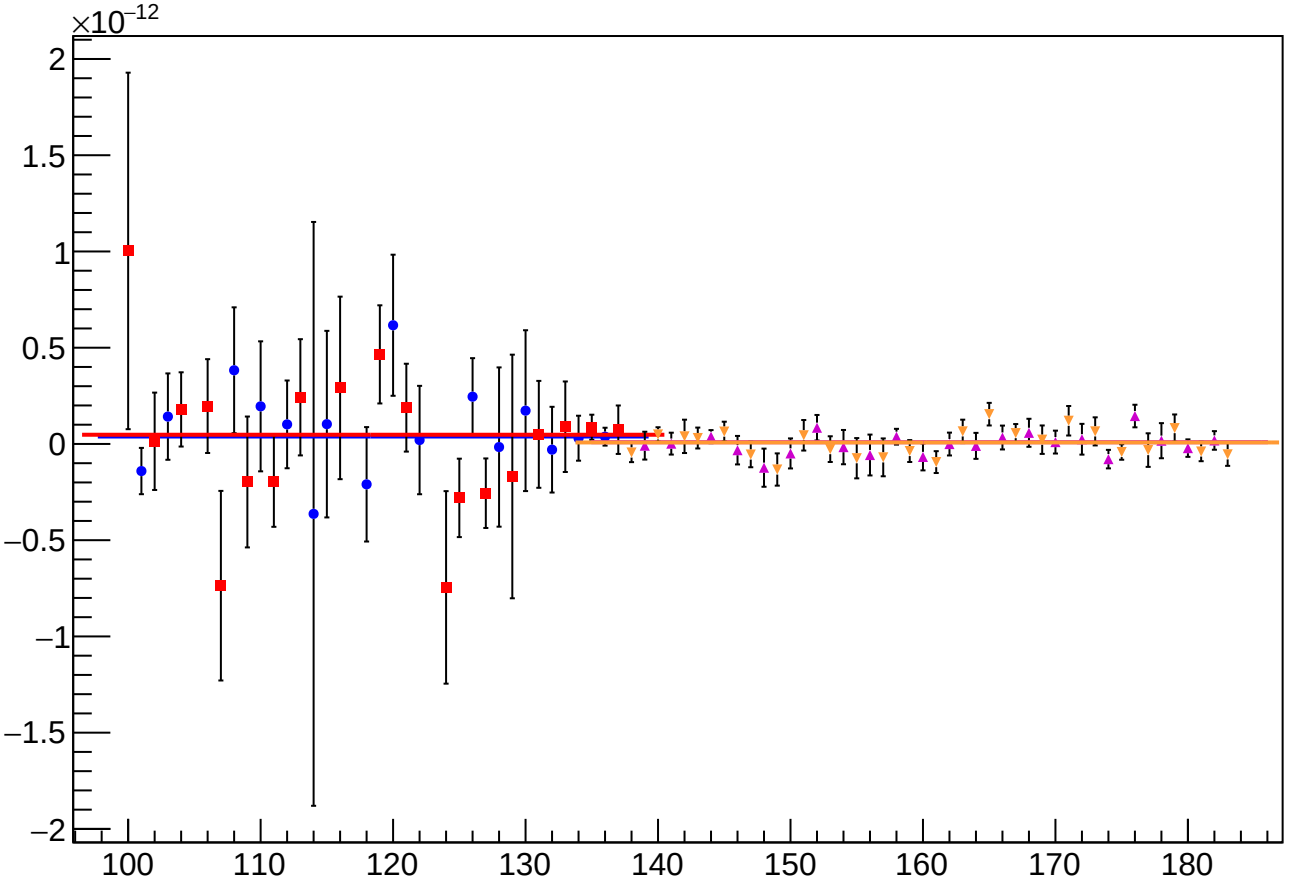
Left In: 1548.522+/-0.259 χ^2/NDF:337728.1/21

+ sign 1633.589+/-0.231 χ^2/NDF: 2494549.2/39

All: 1651.012+/-0.167 χ^2/NDF: 5180852.7/80

- sign 1669.871+/-0.240 χ^2/NDF: 2674466.5/40

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/23

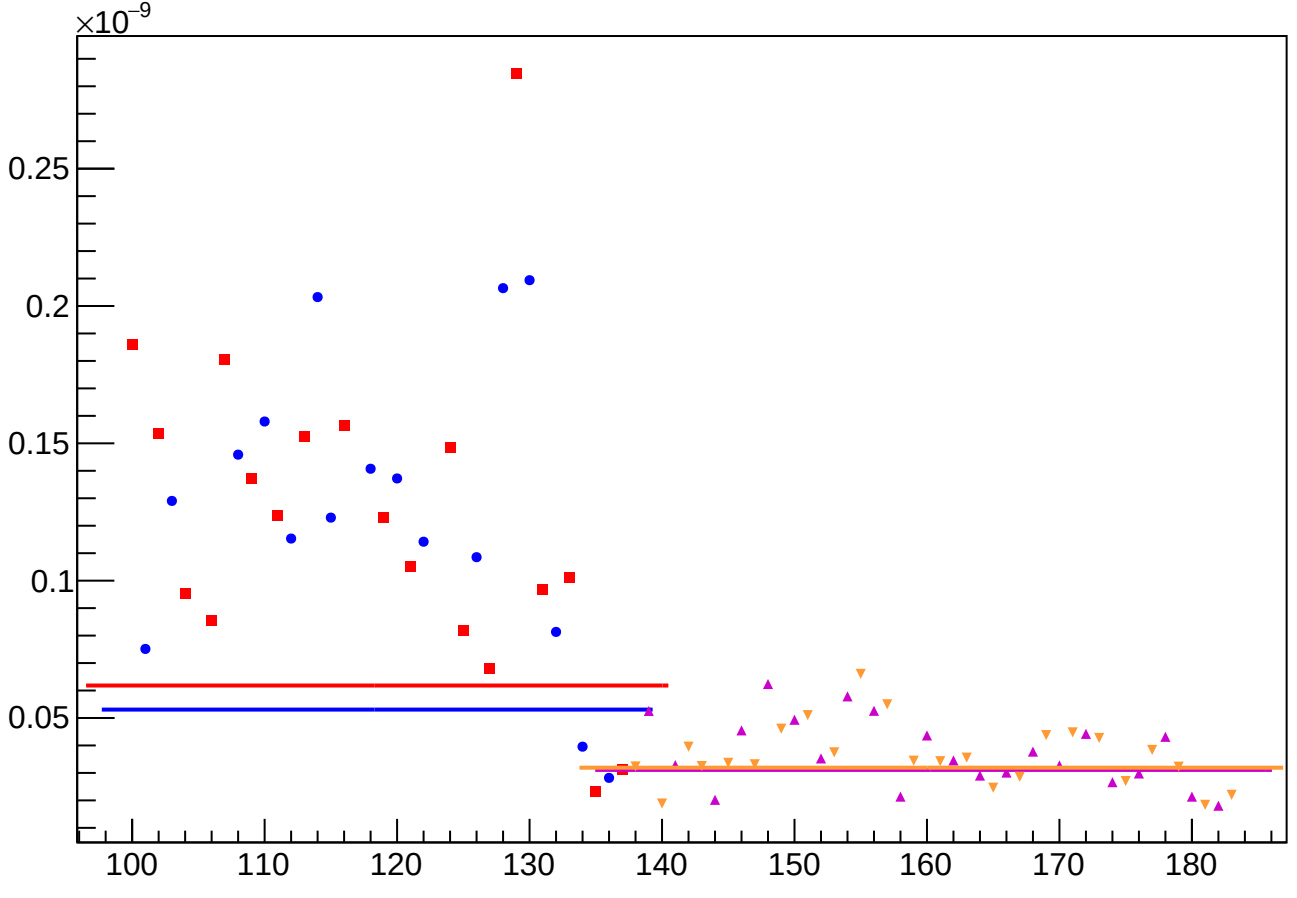
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/39

All: 0.000+/-0.000 χ^2/NDF: 73.8/80

- sign 0.000+/-0.000 χ^2/NDF: 35.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1219041.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

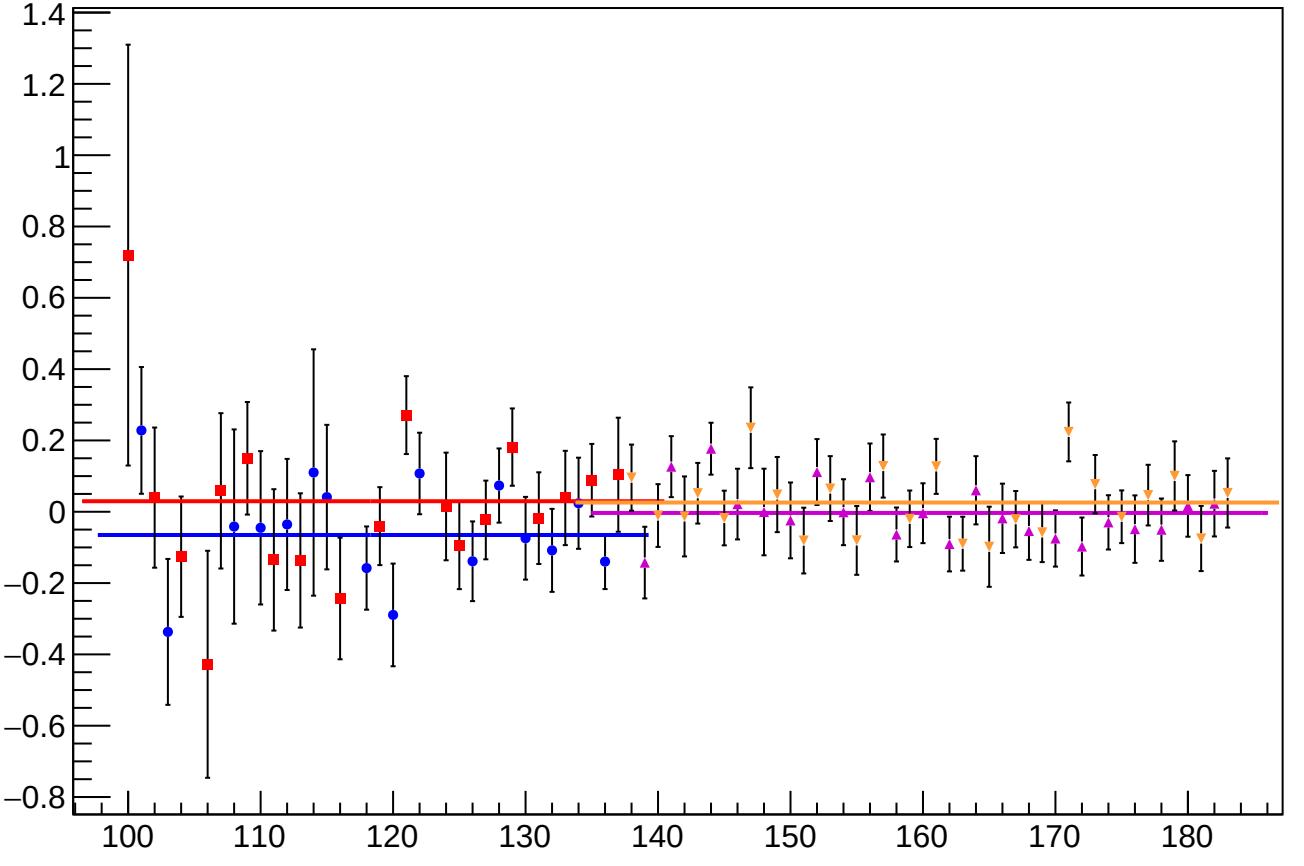
Left In: 0.000+/-0.000 χ^2/NDF:1586549.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 4403679.5/39

All: 0.000+/-0.000 χ^2/NDF: 9334173.6/80

- sign 0.000+/-0.000 χ^2/NDF: 4928486.9/40

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.018 χ^2/NDF:24.2/23

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

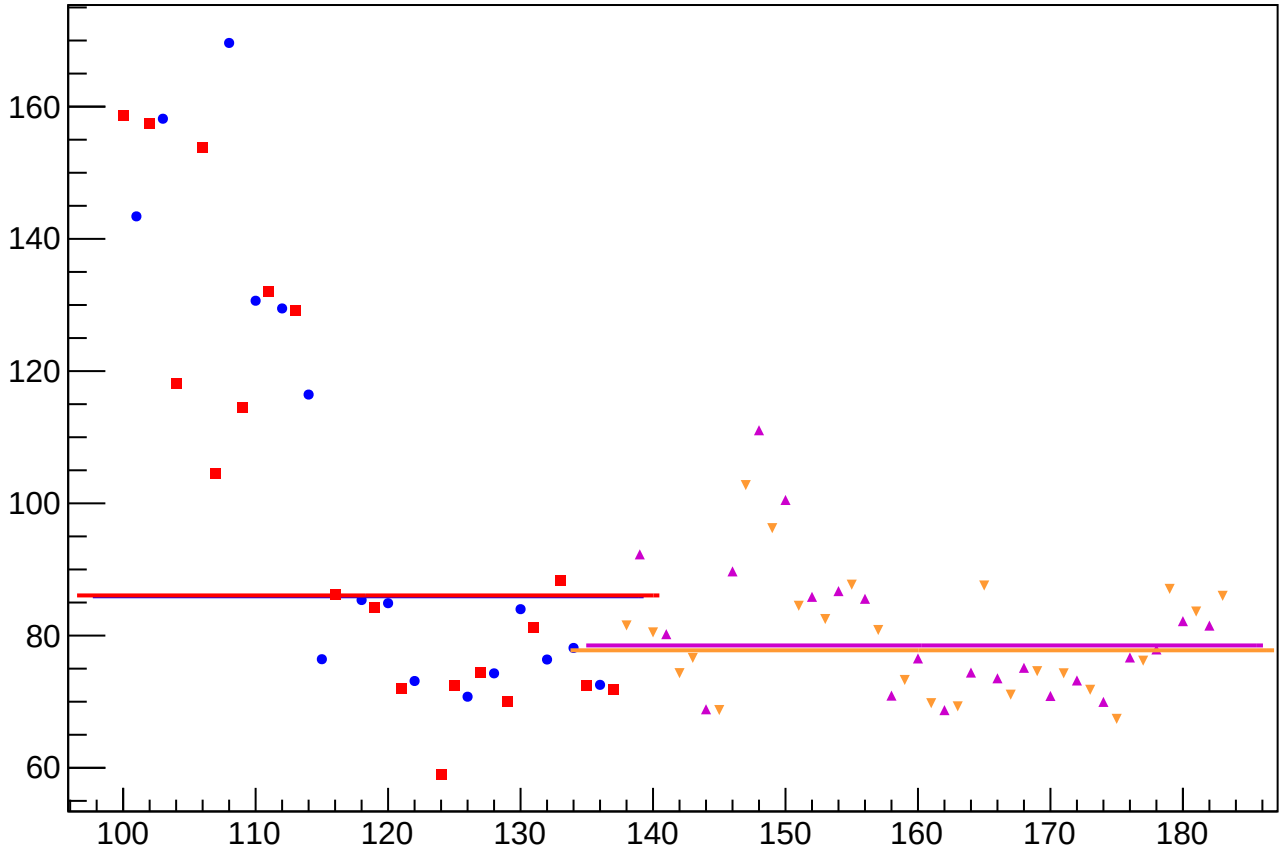
Left In: -0.003+/-0.019 χ^2/NDF:18.8/21

+ sign 0.005+/-0.016 χ^2/NDF: 44.2/39

All: 0.005+/-0.011 χ^2/NDF: 81.8/80

- sign 0.005+/-0.016 χ^2/NDF: 37.7/40

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.774+/-0.013 χ^2/NDF:414387.2/23

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

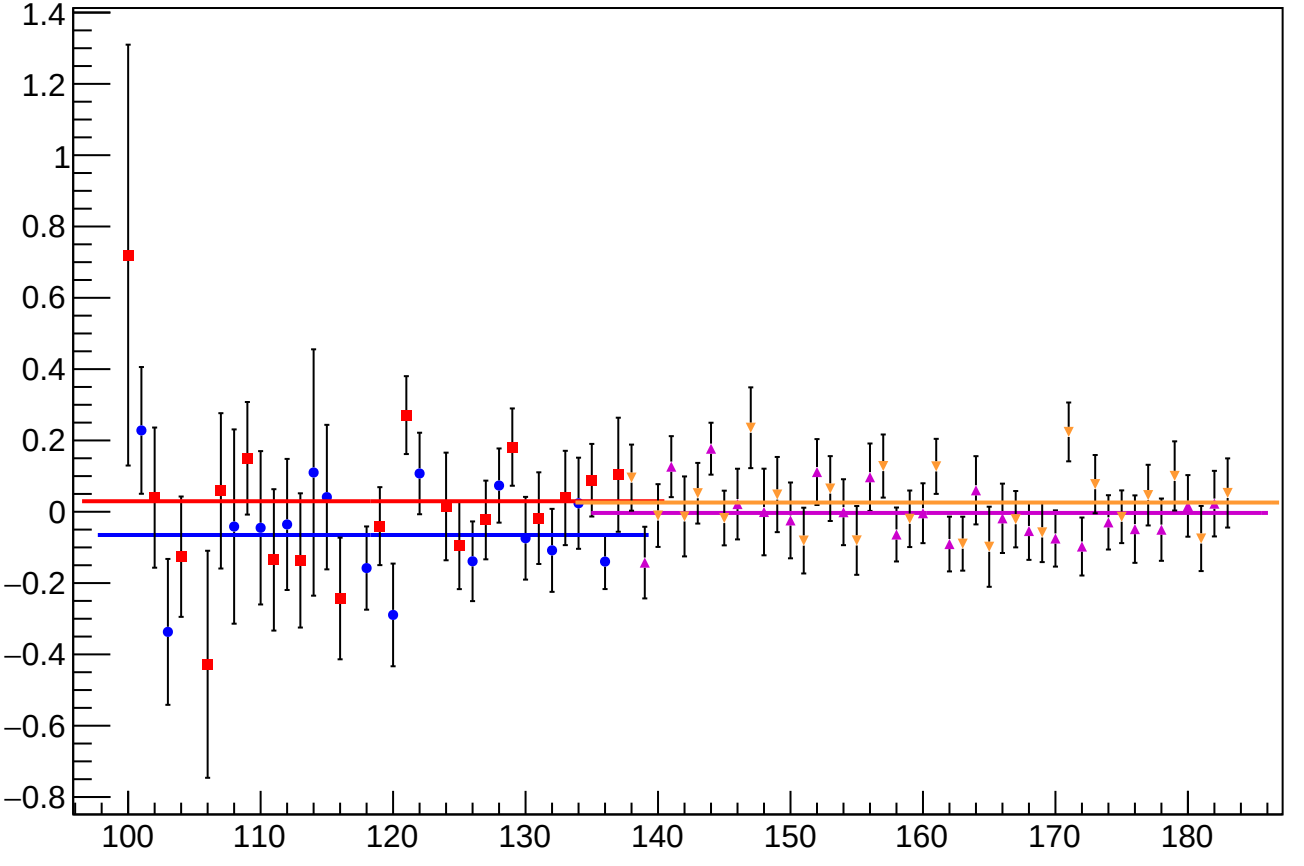
Left In: 78.508+/-0.013 χ^2/NDF:493006.7/21

+ sign 79.610+/-0.011 χ^2/NDF: 1542730.3/39

All: 79.968+/-0.008 χ^2/NDF: 3108941.3/80

- sign 80.349+/-0.011 χ^2/NDF: 1564085.1/40

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.018 χ^2/NDF:24.2/23

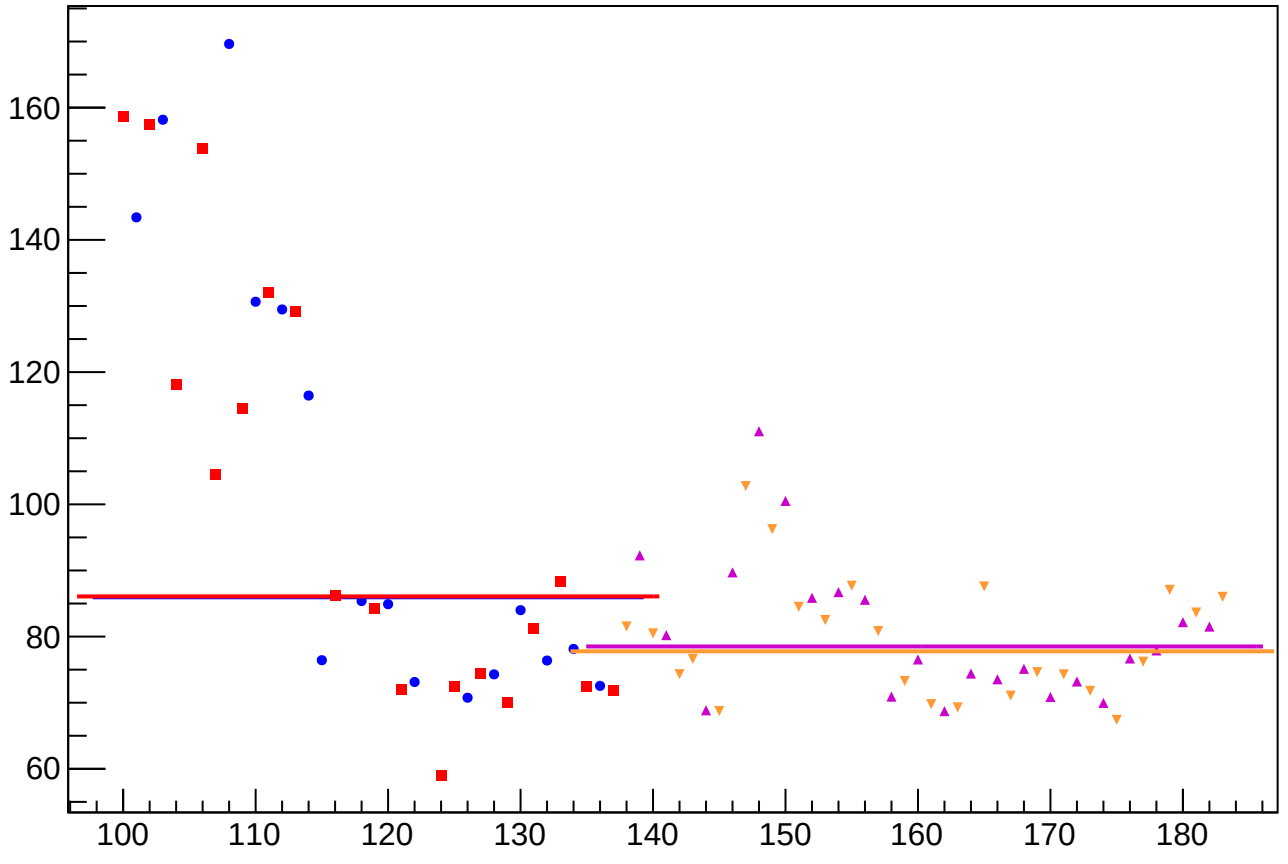
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.003+/-0.019 χ^2/NDF:18.8/21

+ sign 0.005+/-0.016 χ^2/NDF: 44.2/39

All: 0.005+/-0.011 χ^2/NDF: 81.8/80

- sign 0.005+/-0.016 χ^2/NDF: 37.7/40



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.774+/-0.013 χ^2/NDF:414387.2/23

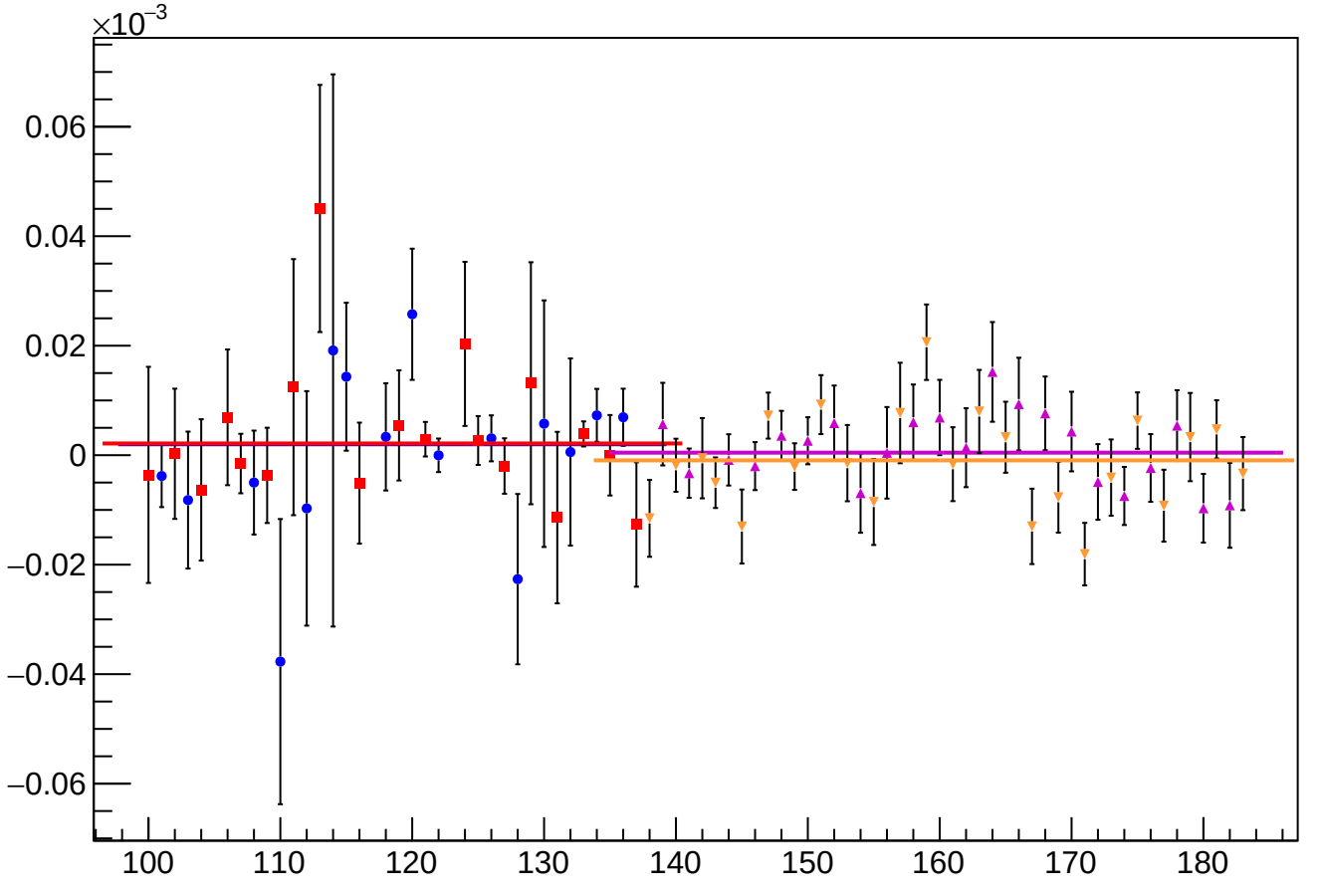
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.508+/-0.013 χ^2/NDF:493006.7/21

+ sign 79.610+/-0.011 χ^2/NDF: 1542730.3/39

All: 79.968+/-0.008 χ^2/NDF: 3108941.3/80

- sign 80.349+/-0.011 χ^2/NDF: 1564085.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.6/23

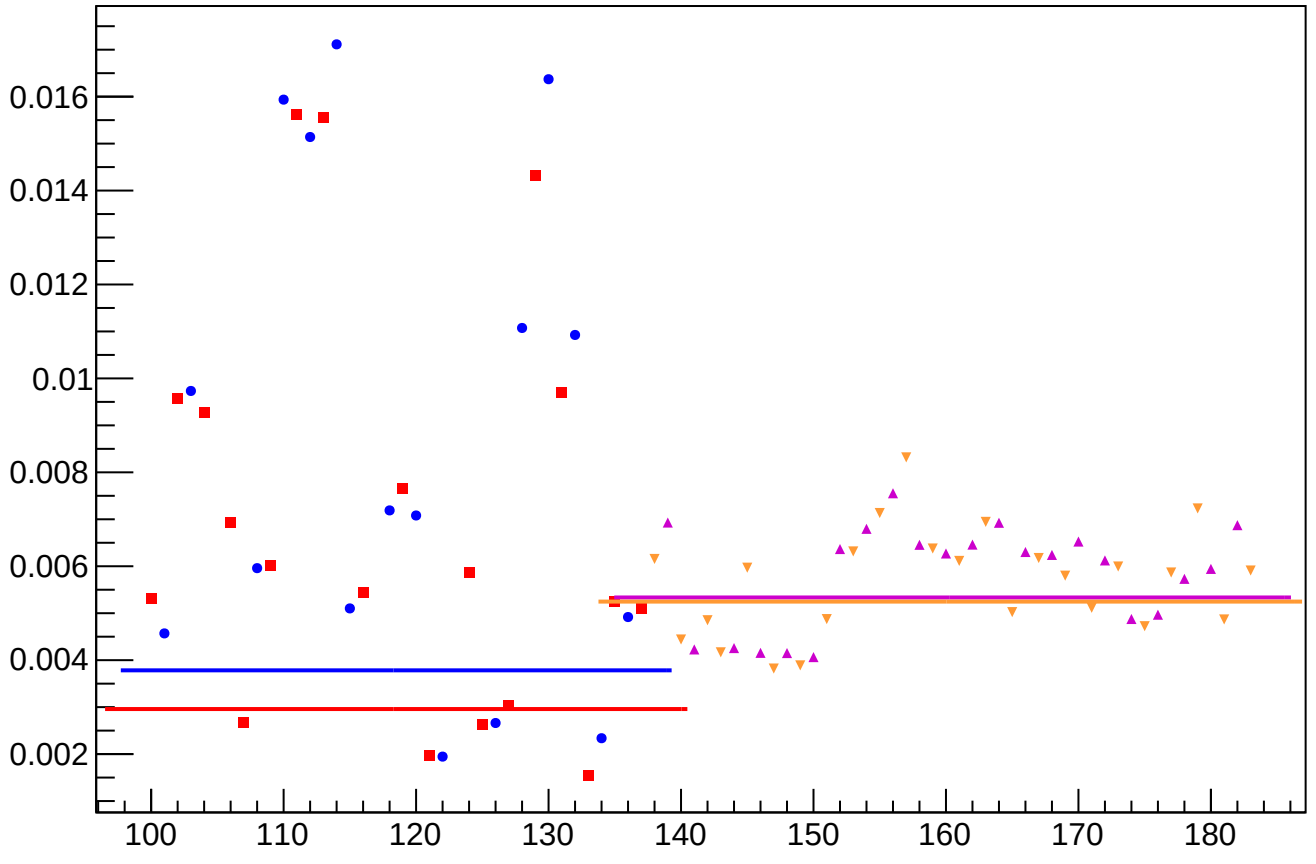
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/39

All: 0.000+/-0.000 χ^2/NDF: 93.9/80

- sign 0.000+/-0.000 χ^2/NDF: 30.7/40



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1509657.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

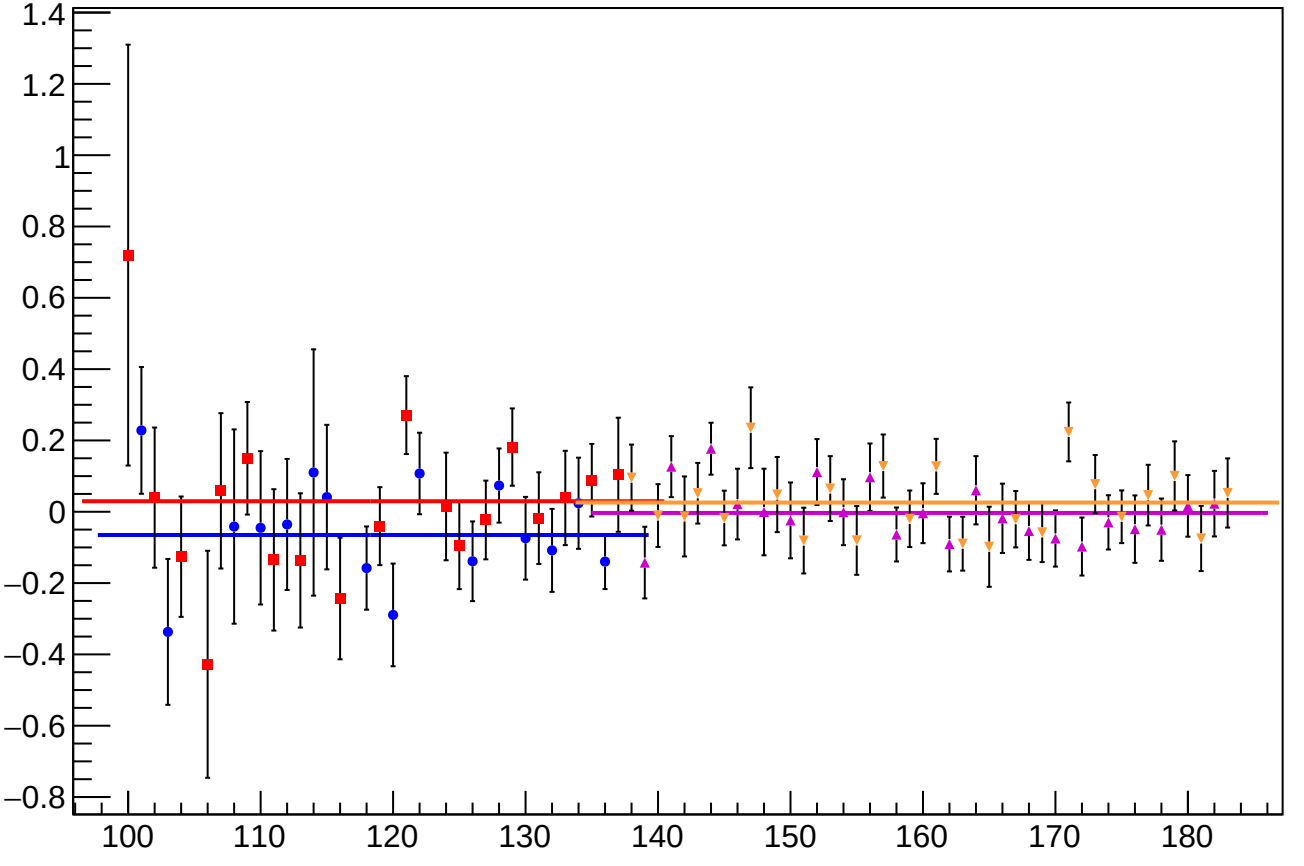
Left In: 0.005+/-0.000 χ^2/NDF:1508186.4/21

+ sign 0.005+/-0.000 χ^2/NDF: 7142298.6/39

All: 0.004+/-0.000 χ^2/NDF: 17582692.1/80

- sign 0.004+/-0.000 χ^2/NDF: 10160975.7/40

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.018 χ^2/NDF:24.2/23

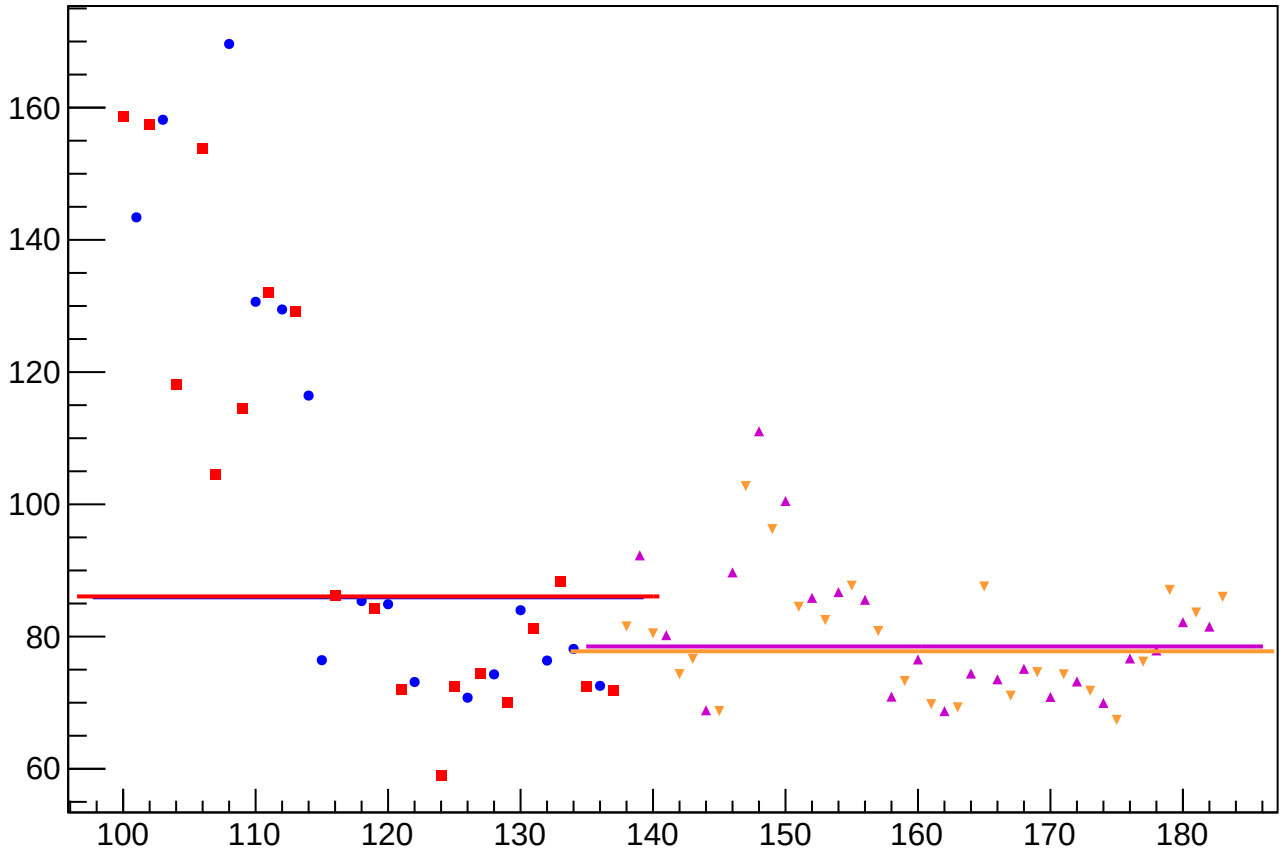
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.003+/-0.019 χ^2/NDF:18.8/21

+ sign 0.005+/-0.016 χ^2/NDF: 44.1/39

All: 0.005+/-0.011 χ^2/NDF: 81.8/80

- sign 0.005+/-0.016 χ^2/NDF: 37.7/40



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.773+/-0.013 χ^2/NDF:414425.9/23

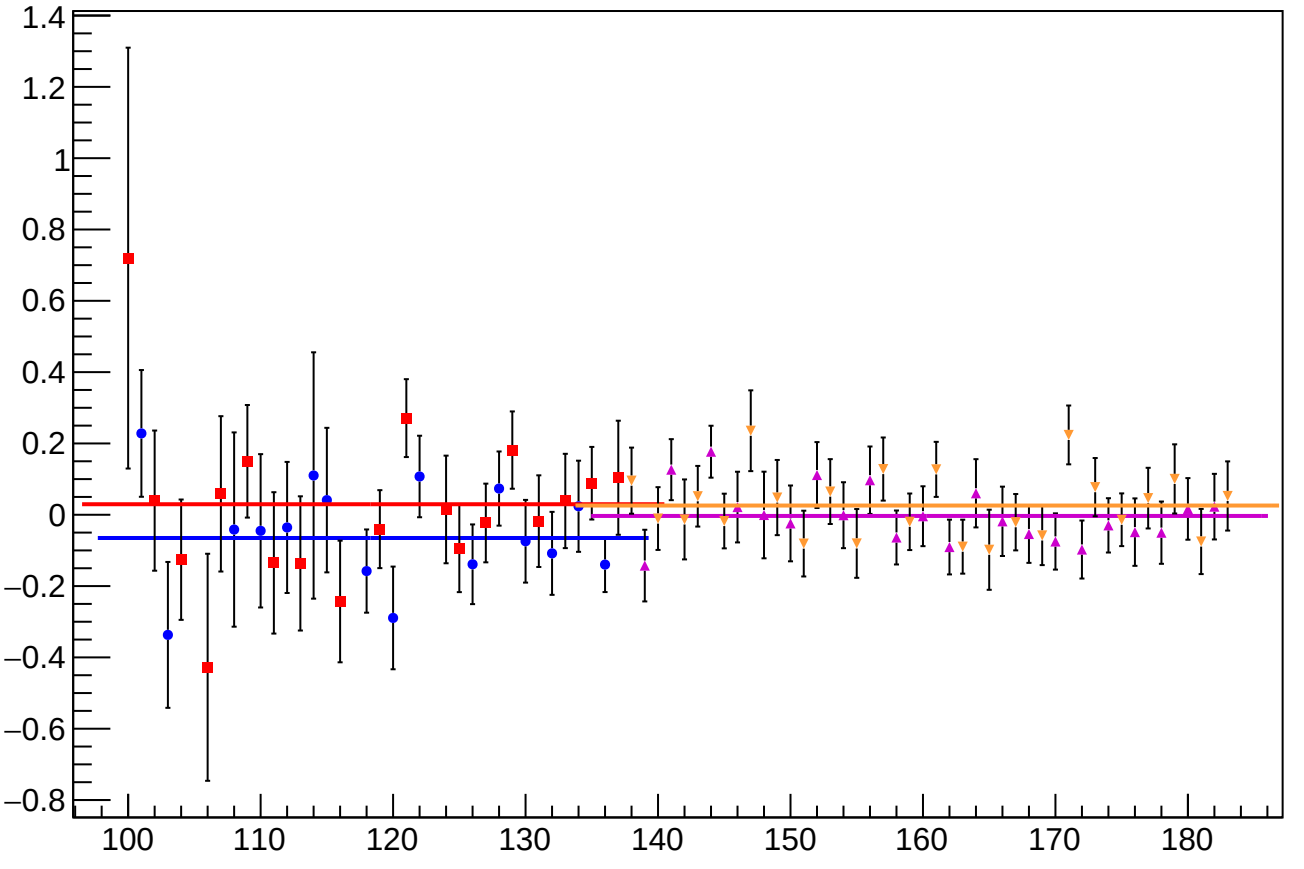
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.507+/-0.013 χ^2/NDF:493043.4/21

+ sign 79.609+/-0.011 χ^2/NDF: 1542708.3/39

All: 79.967+/-0.008 χ^2/NDF: 3108921.7/80

- sign 80.348+/-0.011 χ^2/NDF: 1564088.7/40



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.018 χ^2/NDF:24.2/23

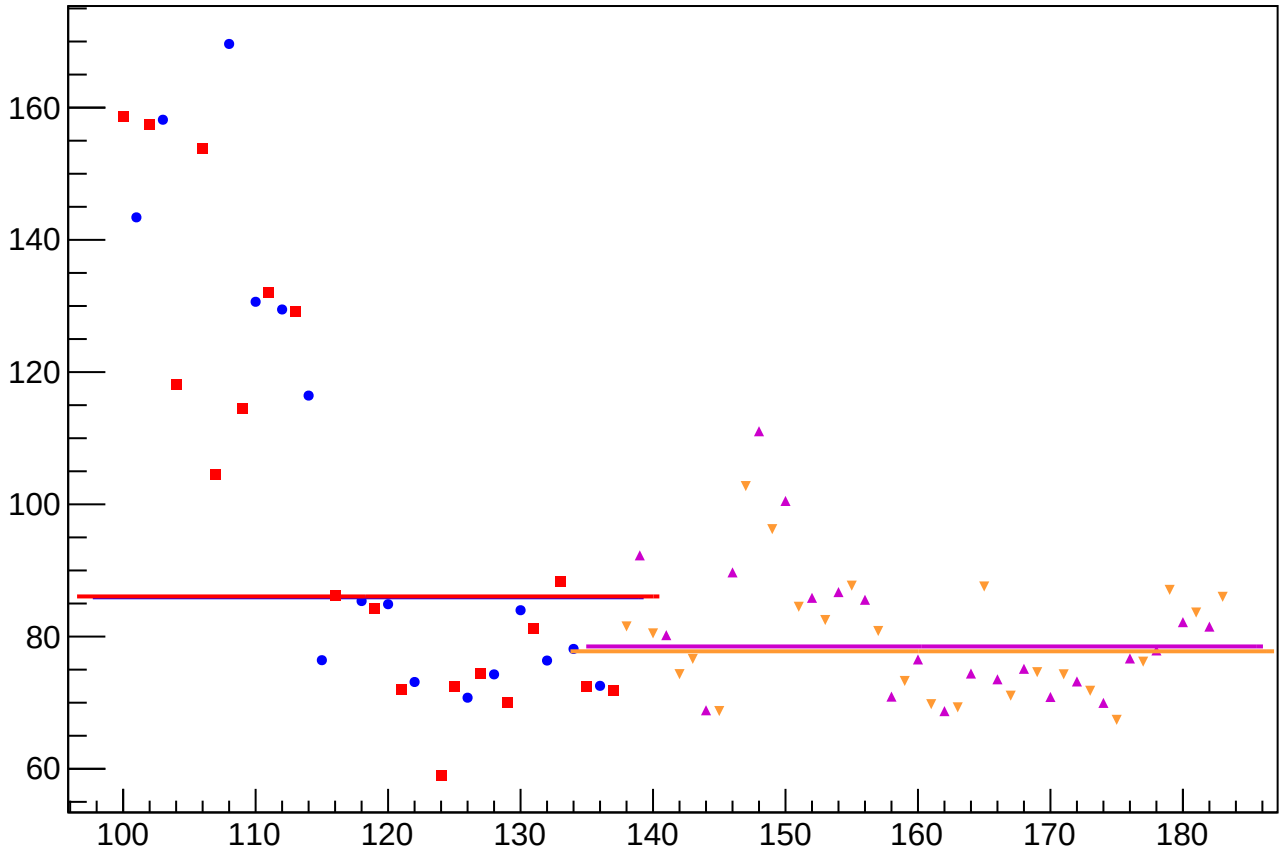
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.003+/-0.019 χ^2/NDF:18.8/21

+ sign 0.005+/-0.016 χ^2/NDF: 44.1/39

All: 0.005+/-0.011 χ^2/NDF: 81.8/80

- sign 0.005+/-0.016 χ^2/NDF: 37.7/40



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.773+/-0.013 χ^2/NDF:414425.9/23

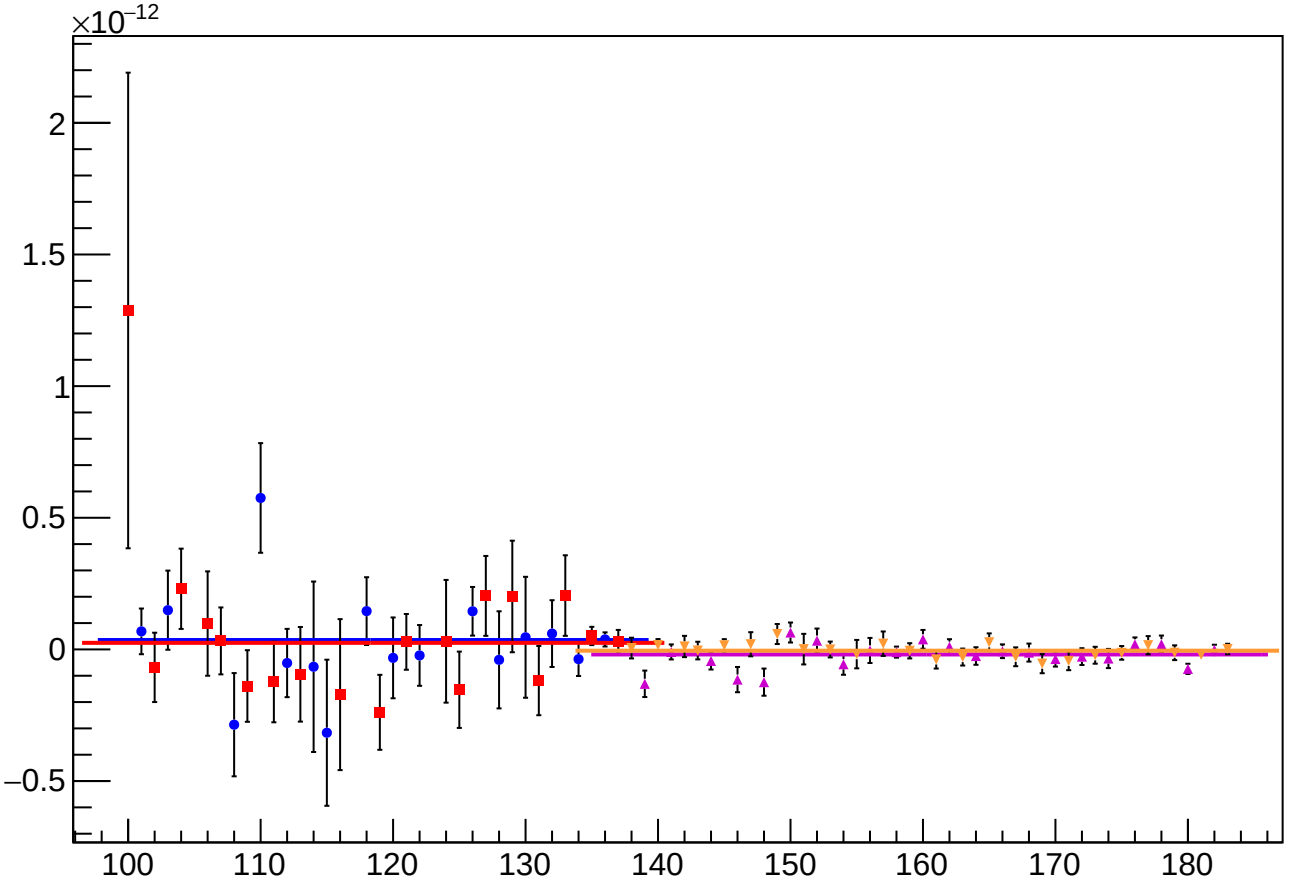
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.507+/-0.013 χ^2/NDF:493043.4/21

\+ sign 79.609+/-0.011 χ^2/NDF: 1542708.3/39

All: 79.967+/-0.008 χ^2/NDF: 3108921.7/80

\- sign 80.348+/-0.011 χ^2/NDF: 1564088.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/23

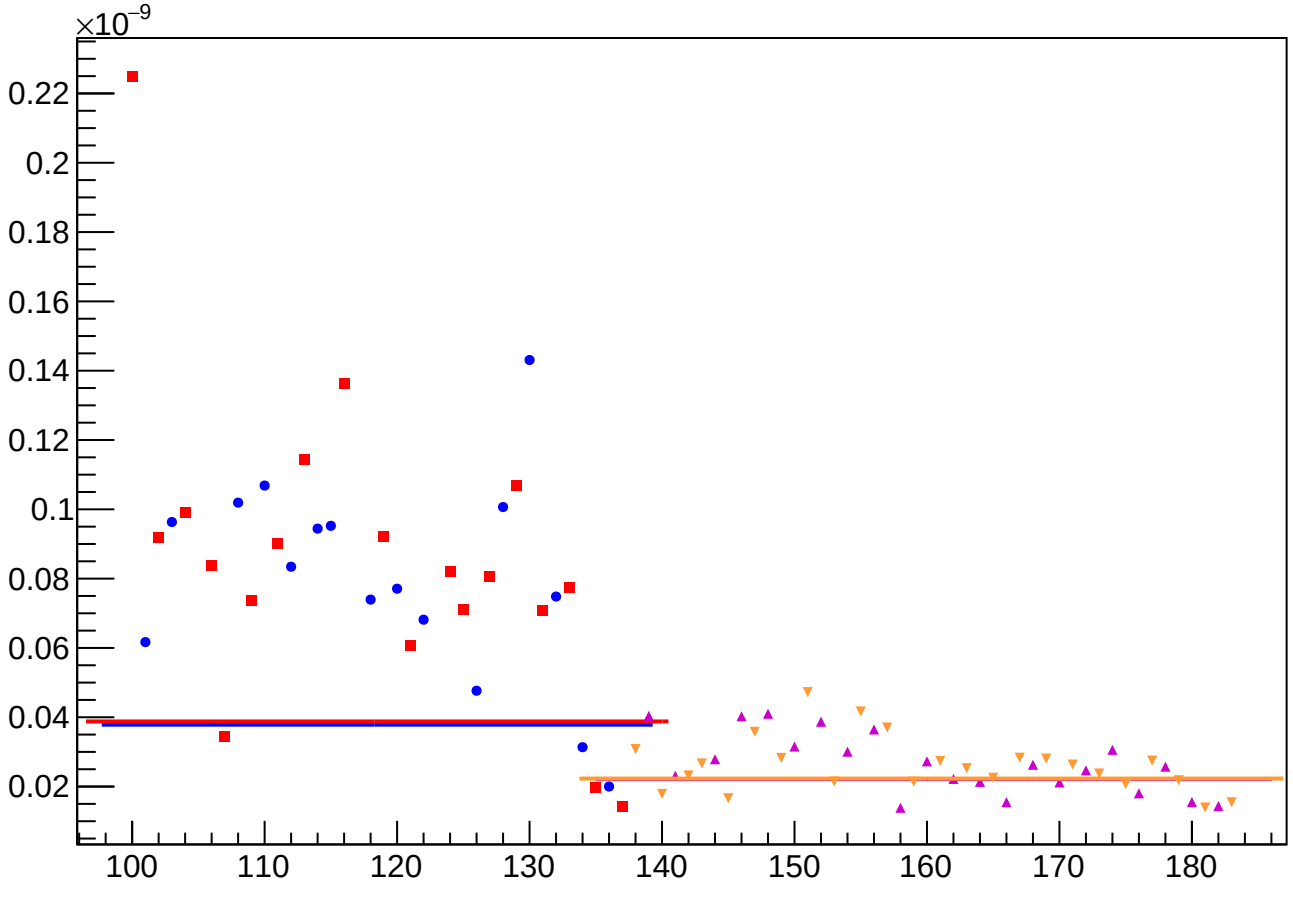
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:37.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/39

All: -0.000+/-0.000 χ^2/NDF: 94.7/80

- sign -0.000+/-0.000 χ^2/NDF: 59.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2290473.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

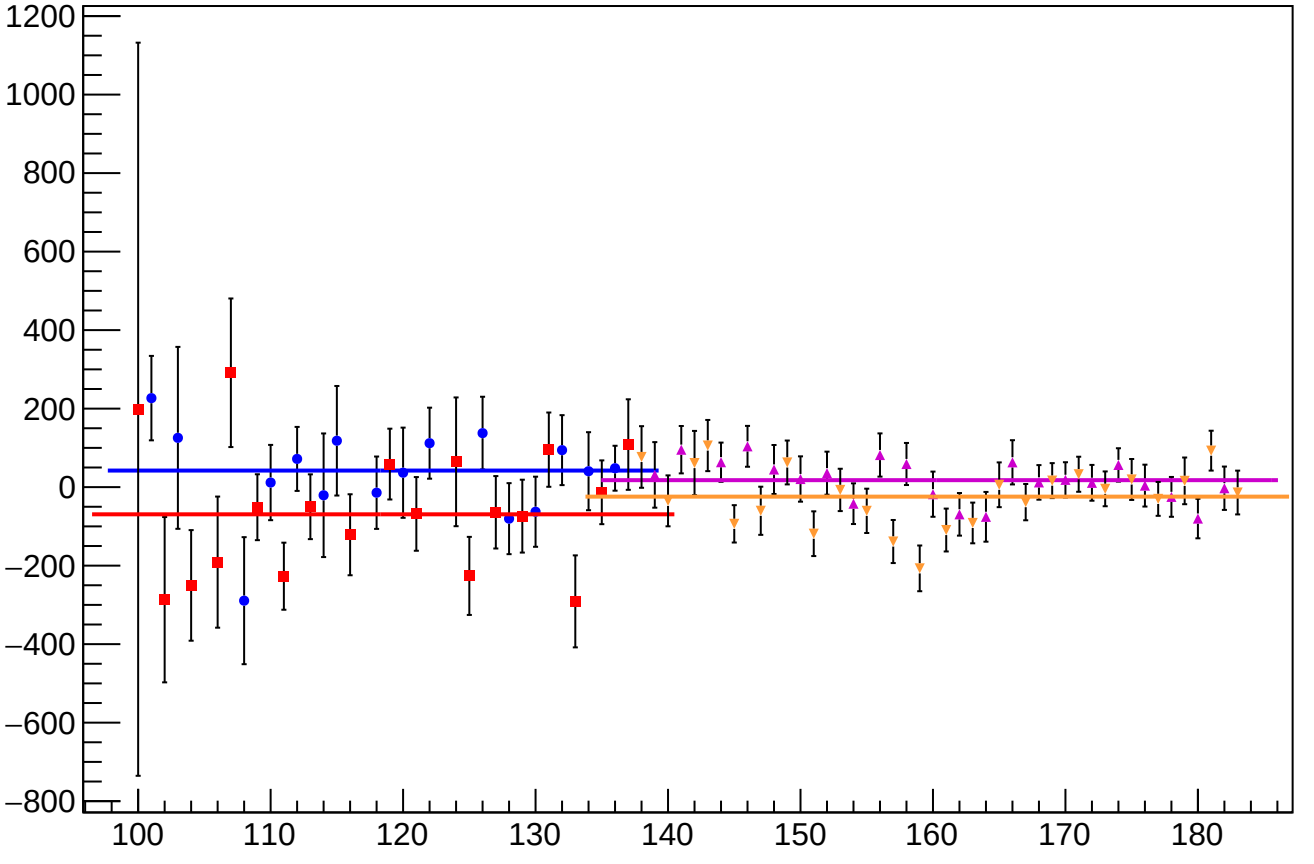
Left In: 0.000+/-0.000 χ^2/NDF:2773964.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 6788328.0/39

All: 0.000+/-0.000 χ^2/NDF: 14720565.7/80

- sign 0.000+/-0.000 χ^2/NDF: 7931692.6/40

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.199+/-10.977 χ^2/NDF:42.8/23

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

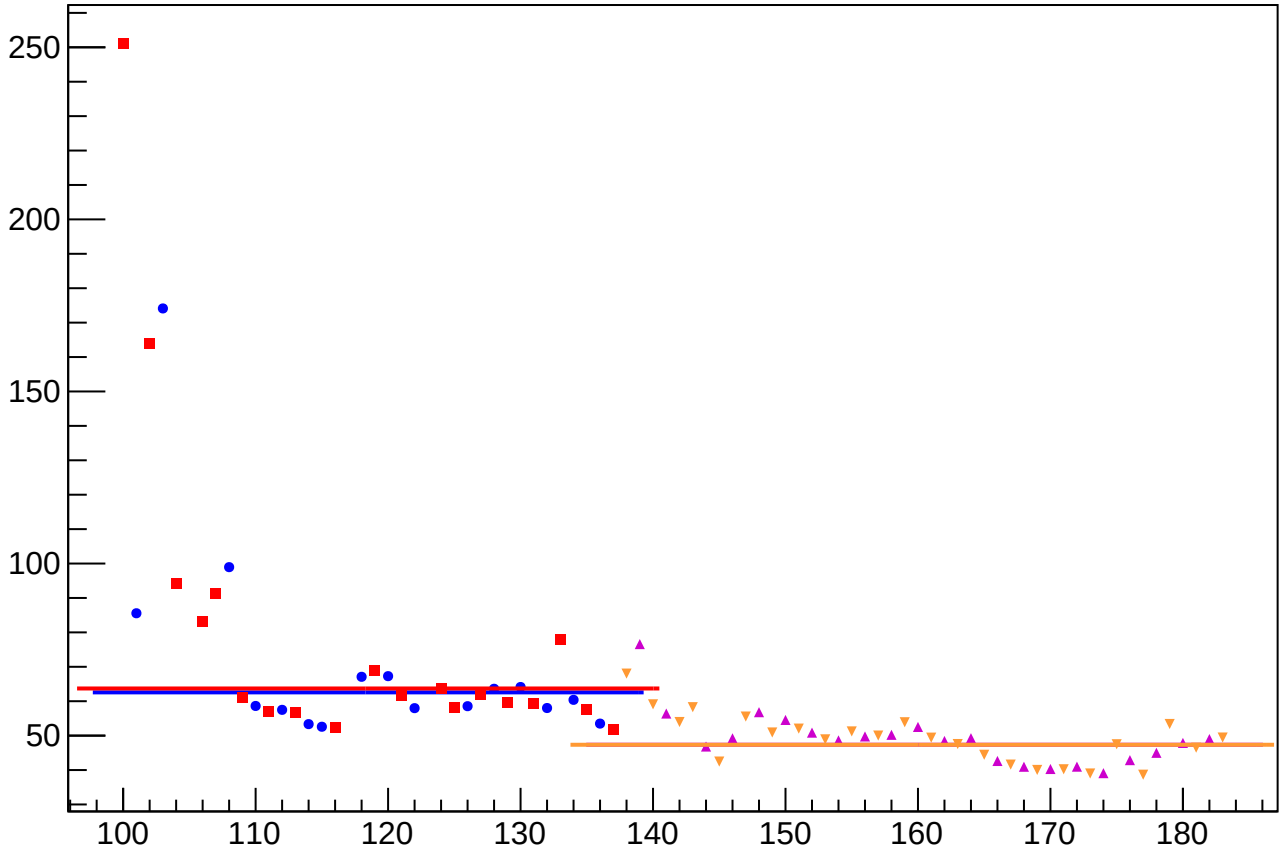
Left In: 17.756+/-11.292 χ^2/NDF:20.2/21

+ sign -12.871+/-9.997 χ^2/NDF: 62.6/39

All: -5.413+/-7.157 χ^2/NDF: 119.7/80

- sign 2.427+/-10.249 χ^2/NDF: 56.0/40

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.346+/-0.008 χ^2/NDF:713318.1/23

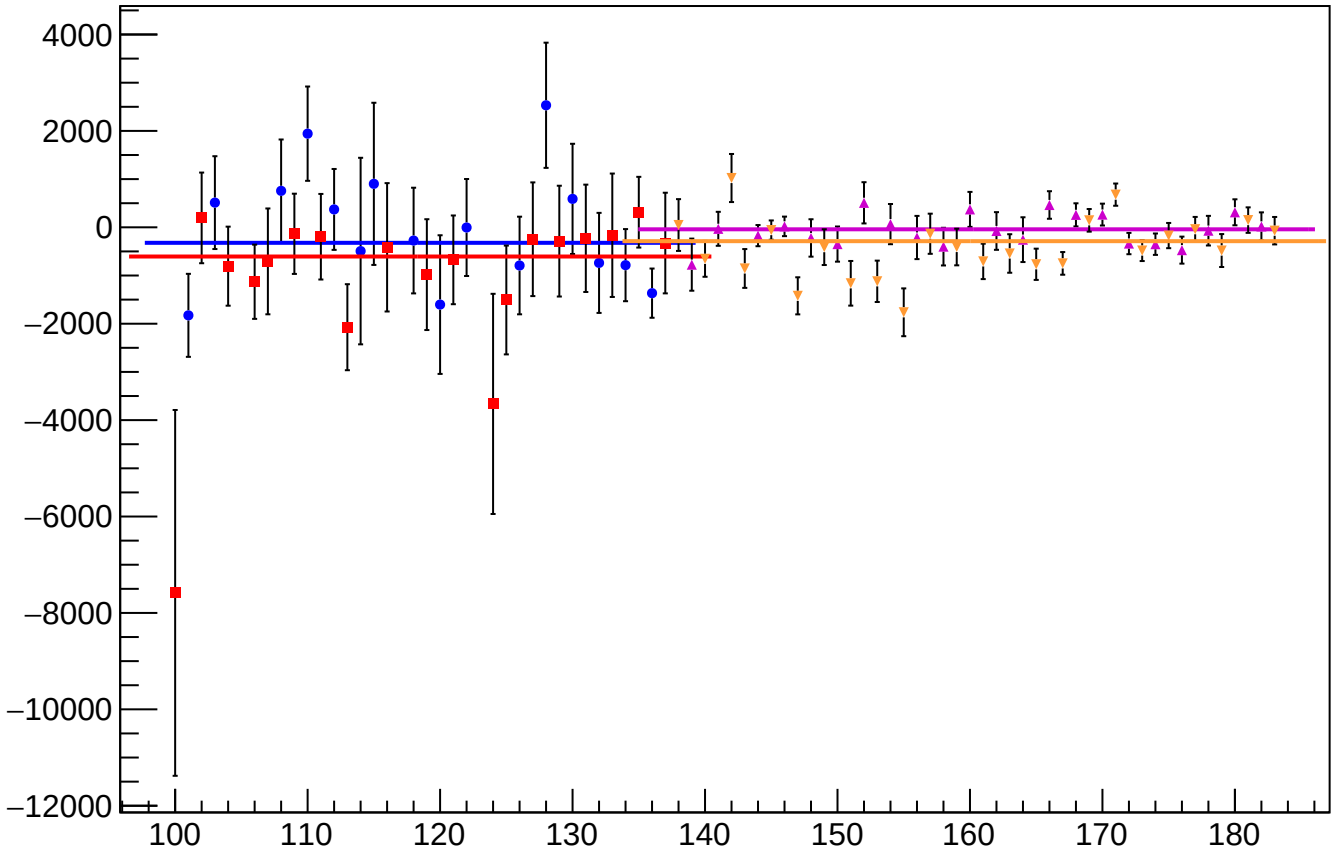
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.348+/-0.008 χ^2/NDF:648560.3/21

+ sign 49.941+/-0.007 χ^2/NDF: 2127714.2/39

All: 50.081+/-0.005 χ^2/NDF: 4350113.2/80

- sign 50.228+/-0.007 χ^2/NDF: 2221595.0/40



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -287.546+/-63.099 χ^2/NDF:71.0/23

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

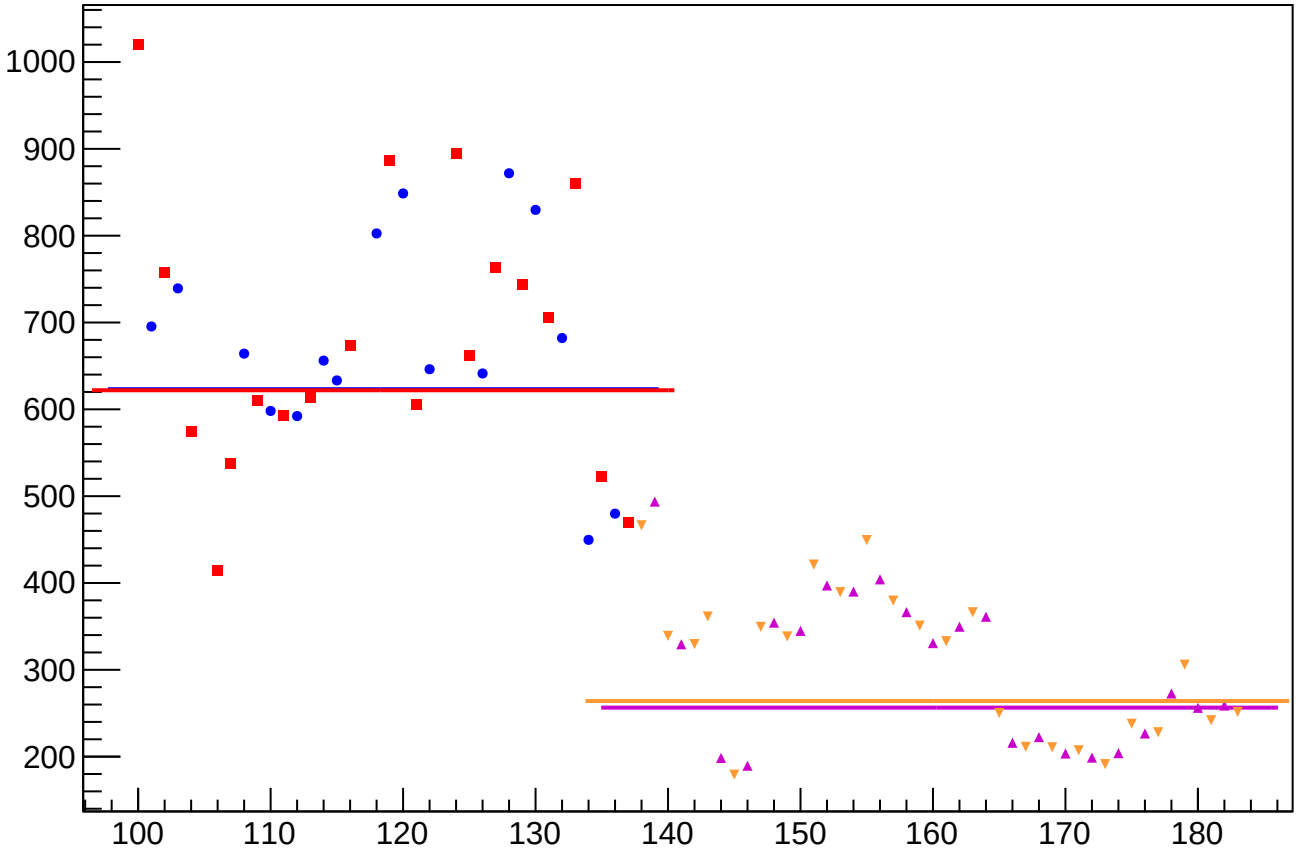
Left In: -41.451+/-63.130 χ^2/NDF:21.8/21

+ sign -289.778+/-61.000 χ^2/NDF: 93.7/39

All: -184.719+/-43.114 χ^2/NDF: 139.4/80

- sign -79.853+/-60.944 χ^2/NDF: 39.7/40

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 264.061+/-0.045 χ^2/NDF:2852836.8/23

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

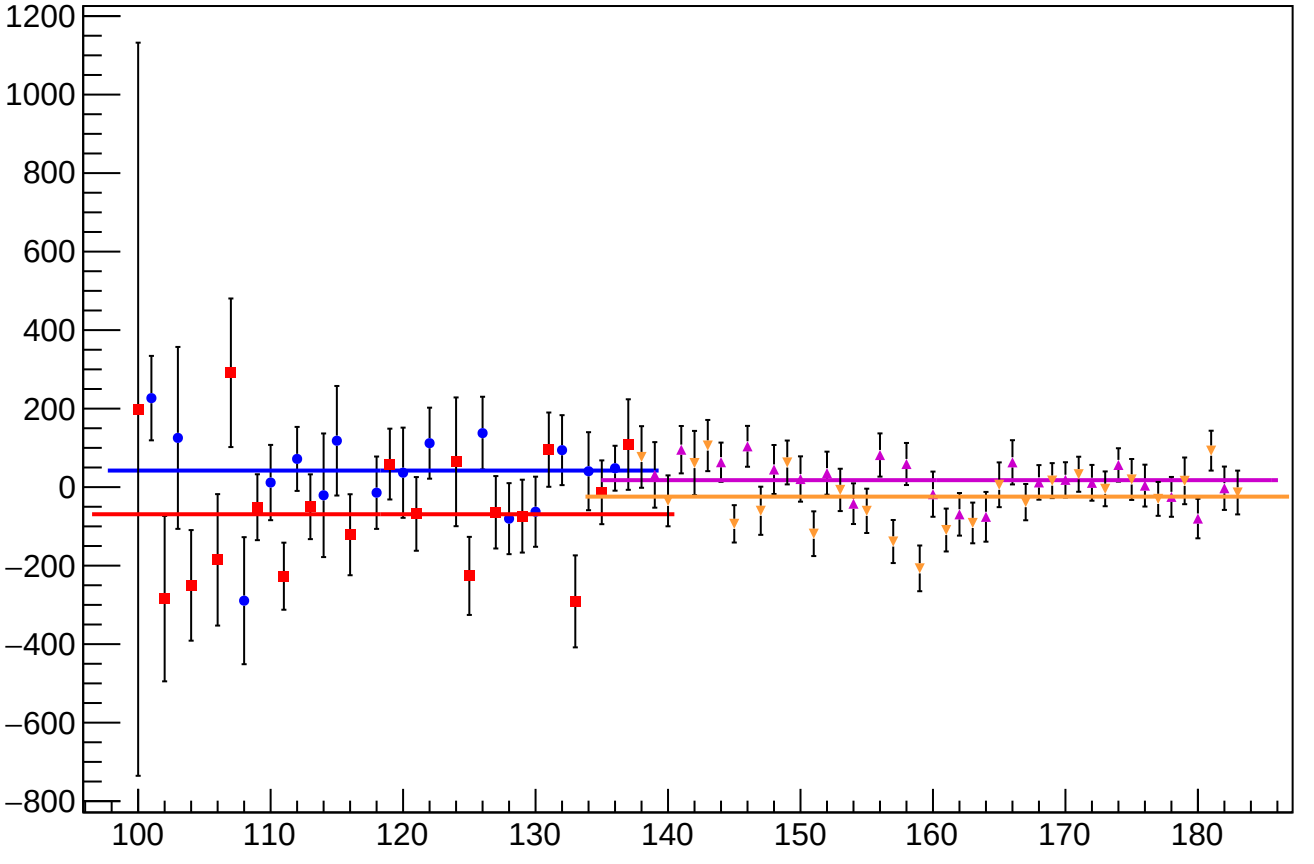
Left In: 256.449+/-0.045 χ^2/NDF:2633856.9/21

+ sign 287.557+/-0.043 χ^2/NDF: 7656852.0/39

All: 284.435+/-0.030 χ^2/NDF: 15445781.3/80

- sign 281.319+/-0.043 χ^2/NDF: 7778465.2/40

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.196+/-10.977 χ^2/NDF:42.8/23

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

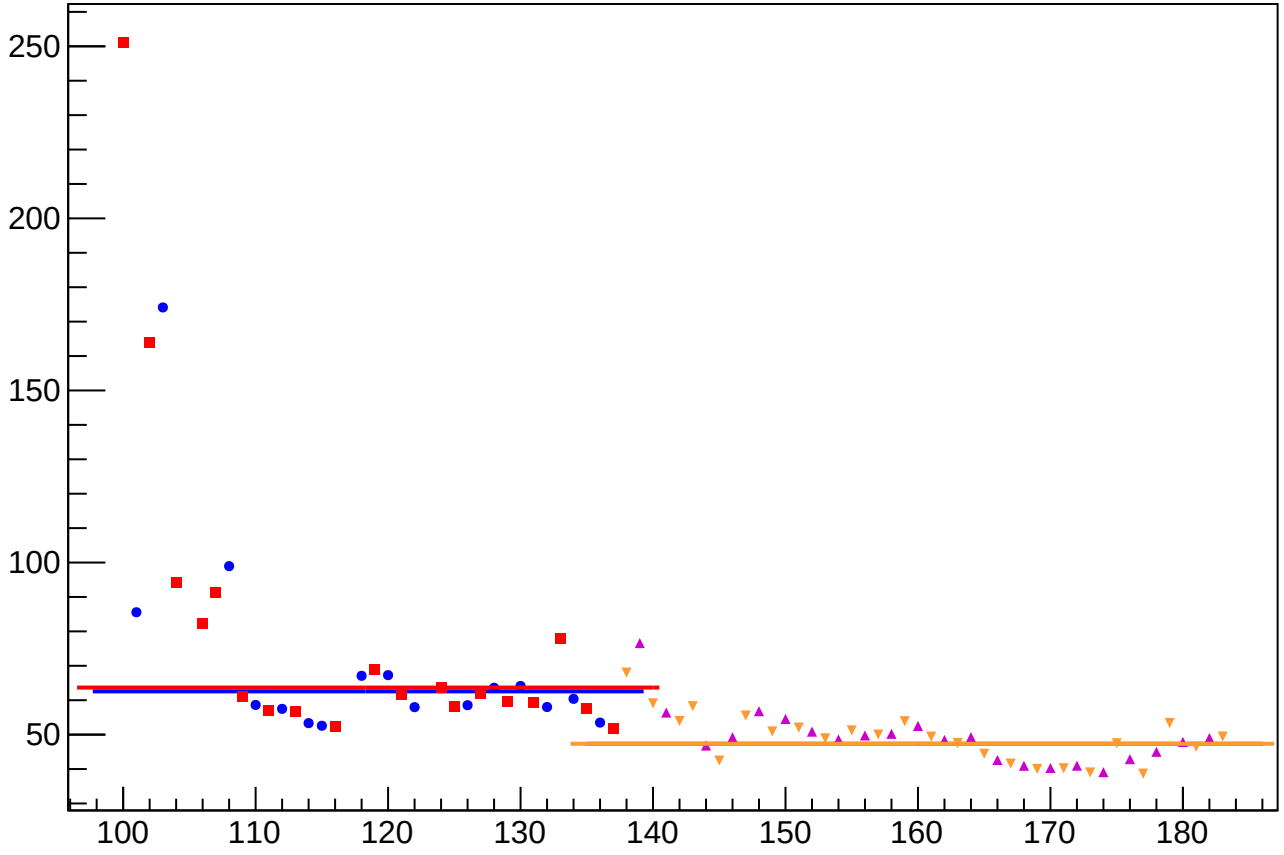
Left In: 17.753+/-11.292 χ^2/NDF:20.2/21

+ sign -12.870+/-9.997 χ^2/NDF: 62.6/39

All: -5.397+/-7.157 χ^2/NDF: 119.6/80

- sign 2.458+/-10.250 χ^2/NDF: 55.9/40

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.346+/-0.008 χ^2/NDF:713318.0/23

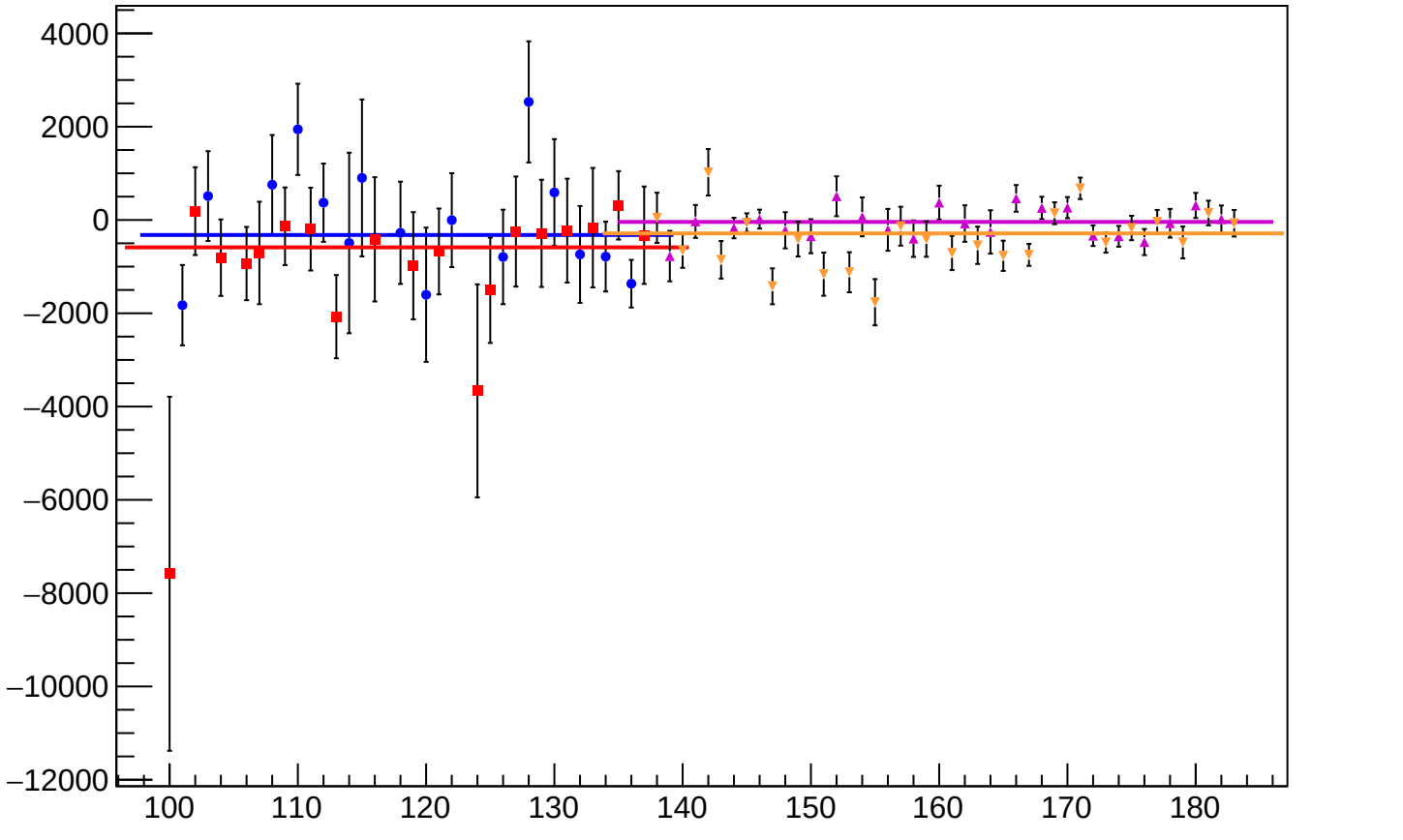
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.348+/-0.008 χ^2/NDF:648560.3/21

+ sign 49.941+/-0.007 χ^2/NDF: 2127715.9/39

All: 50.079+/-0.005 χ^2/NDF: 4345088.3/80

- sign 50.224+/-0.007 χ^2/NDF: 2216593.6/40



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -287.541+/-63.099 χ^2/NDF:71.0/23

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

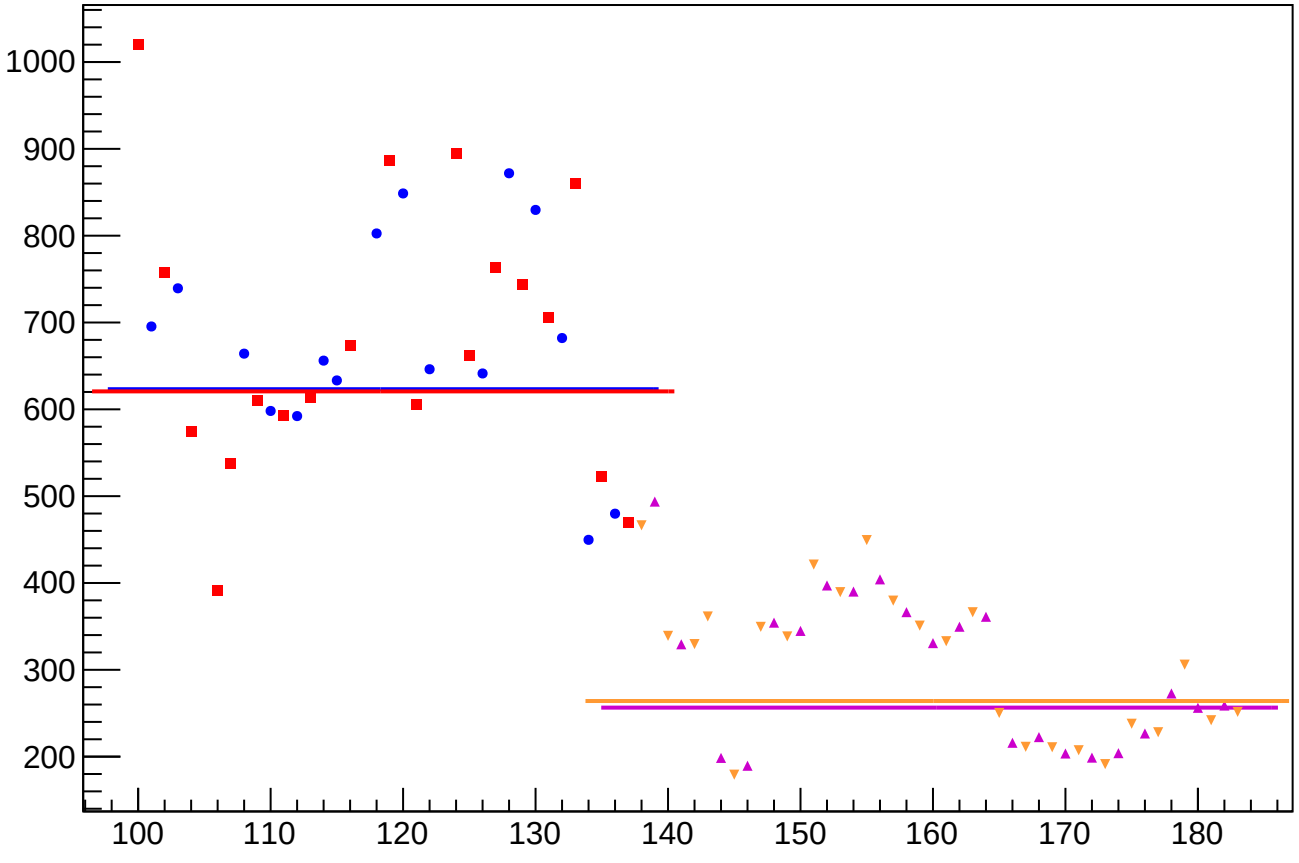
Left In: -41.453+/-63.130 χ^2/NDF:21.8/21

+ sign -289.773+/-61.000 χ^2/NDF: 93.7/39

All: -184.032+/-43.117 χ^2/NDF: 138.8/80

- sign -78.458+/-60.952 χ^2/NDF: 39.0/40

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.061+/-0.045 χ^2/NDF:2852842.7/23

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

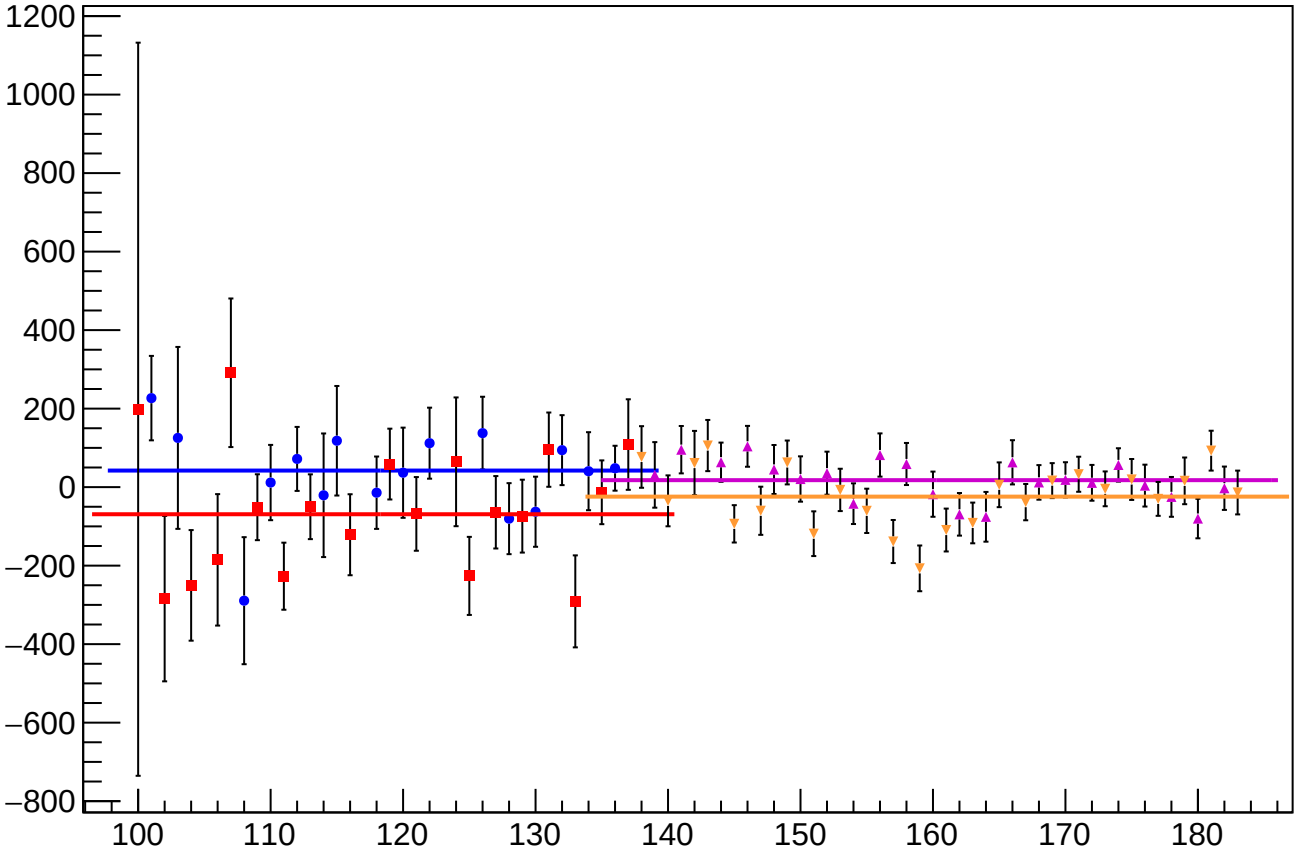
Left In: 256.449+/-0.045 χ^2/NDF:2633852.0/21

+ sign 287.556+/-0.043 χ^2/NDF: 7656912.5/39

All: 284.348+/-0.030 χ^2/NDF: 15426177.0/80

- sign 281.145+/-0.043 χ^2/NDF: 7758208.5/40

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -24.196+/-10.977 χ^2/NDF:42.8/23

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

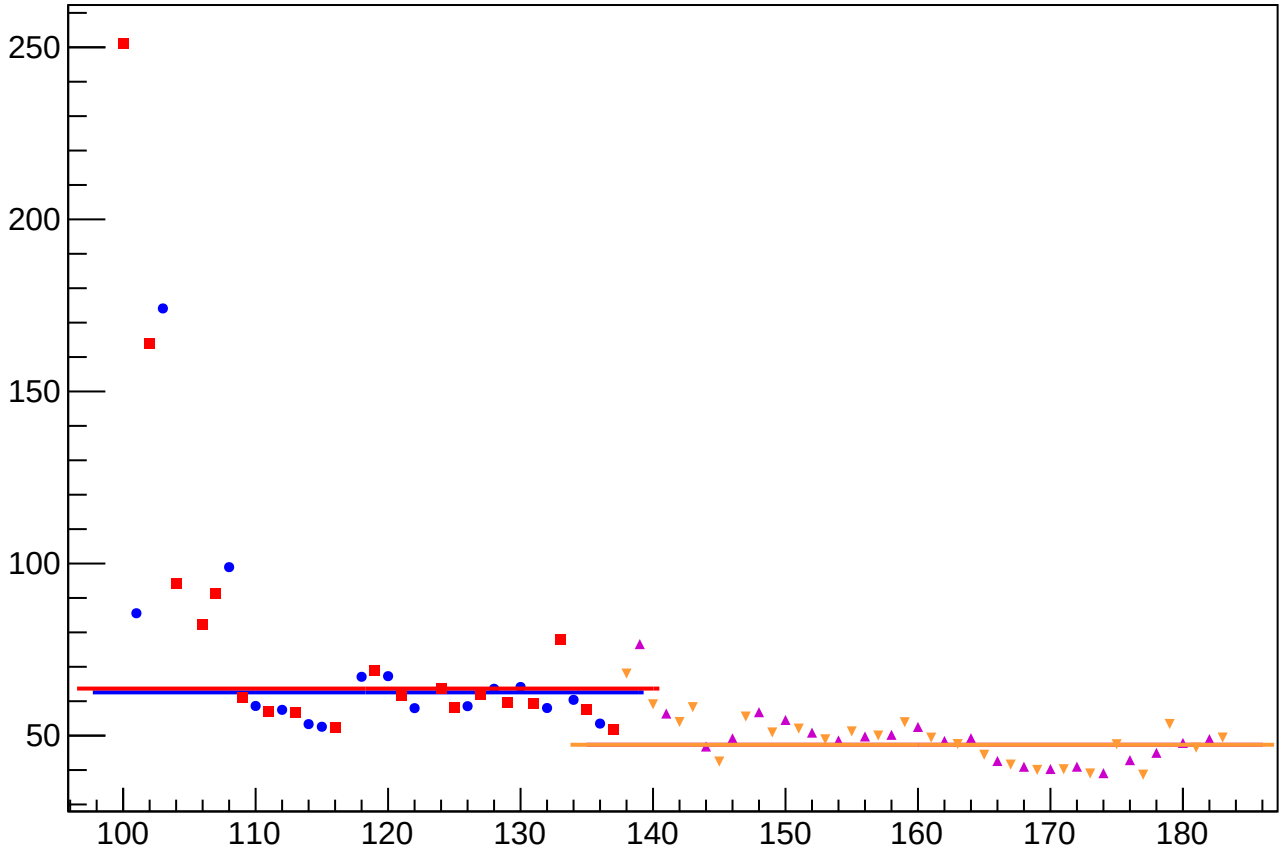
Left In: 17.753+/-11.292 χ^2/NDF:20.2/21

+ sign -12.870+/-9.997 χ^2/NDF: 62.6/39

All: -5.397+/-7.157 χ^2/NDF: 119.6/80

- sign 2.458+/-10.250 χ^2/NDF: 55.9/40

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.346+/-0.008 χ^2/NDF:713318.0/23

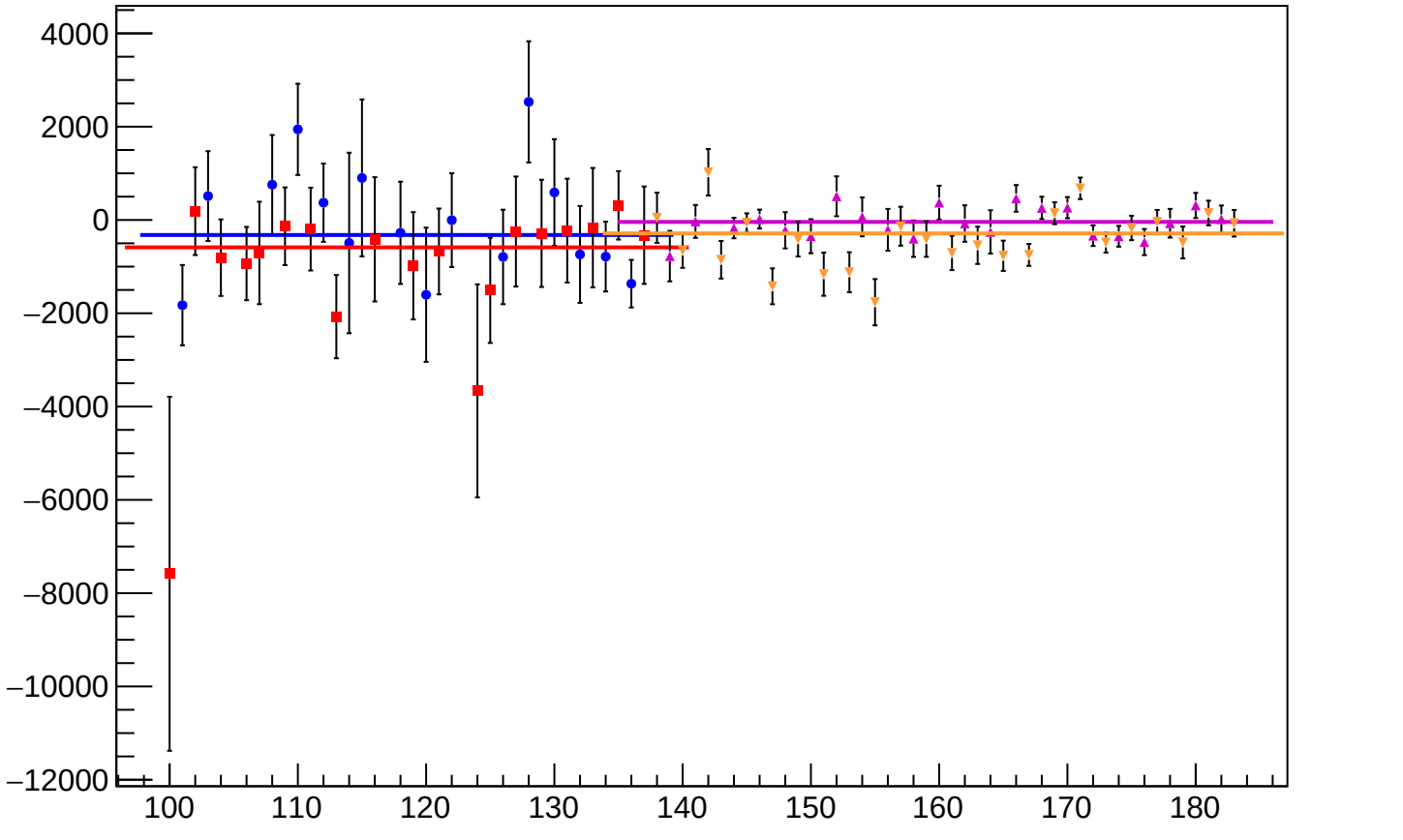
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.348+/-0.008 χ^2/NDF:648560.3/21

+ sign 49.941+/-0.007 χ^2/NDF: 2127715.9/39

All: 50.079+/-0.005 χ^2/NDF: 4345088.3/80

- sign 50.224+/-0.007 χ^2/NDF: 2216593.6/40



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -287.541+/-63.099 χ^2/NDF:71.0/23

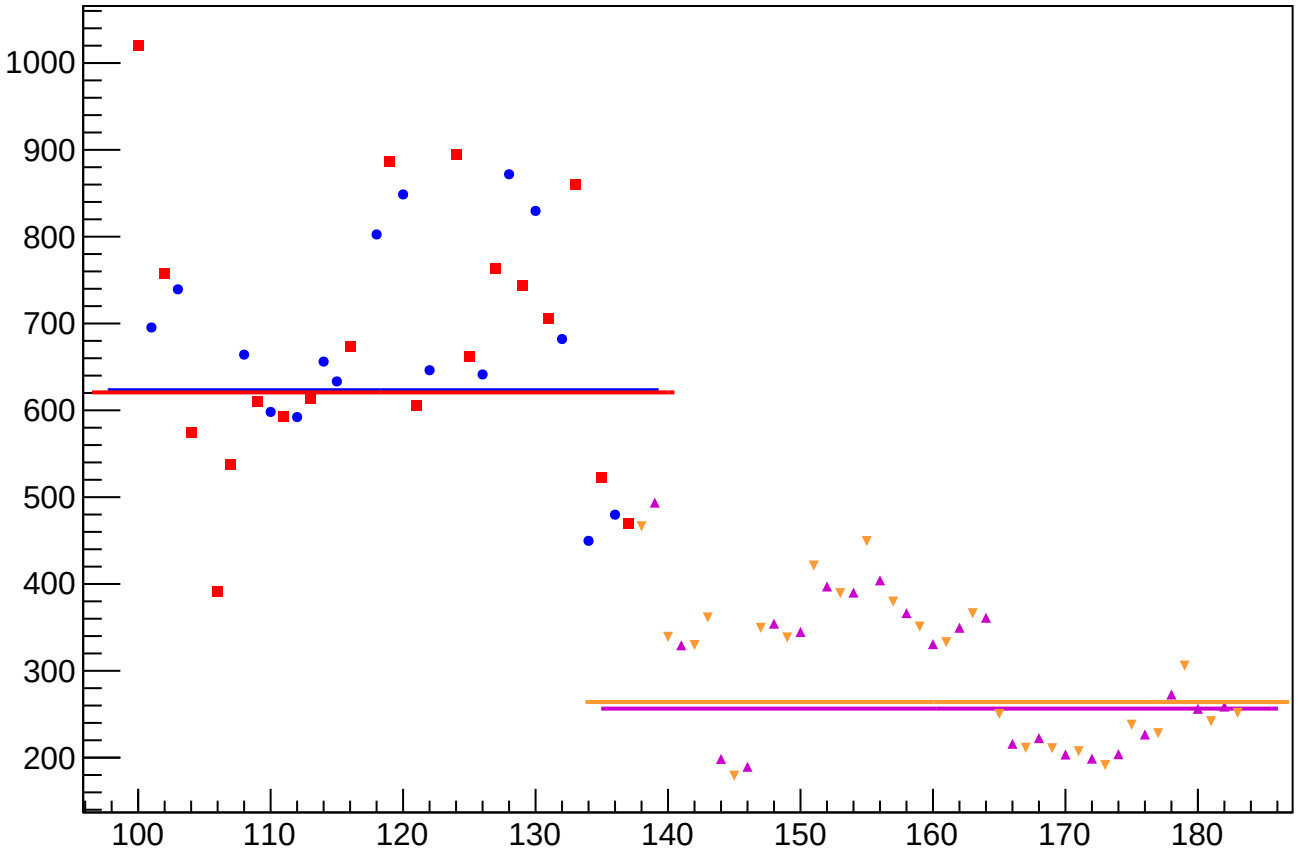
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -41.453+/-63.130 χ^2/NDF:21.8/21

+ sign -289.773+/-61.000 χ^2/NDF: 93.7/39

All: -184.032+/-43.117 χ^2/NDF: 138.8/80

- sign -78.458+/-60.952 χ^2/NDF: 39.0/40



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.061+/-0.045 χ^2/NDF:2852842.7/23

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

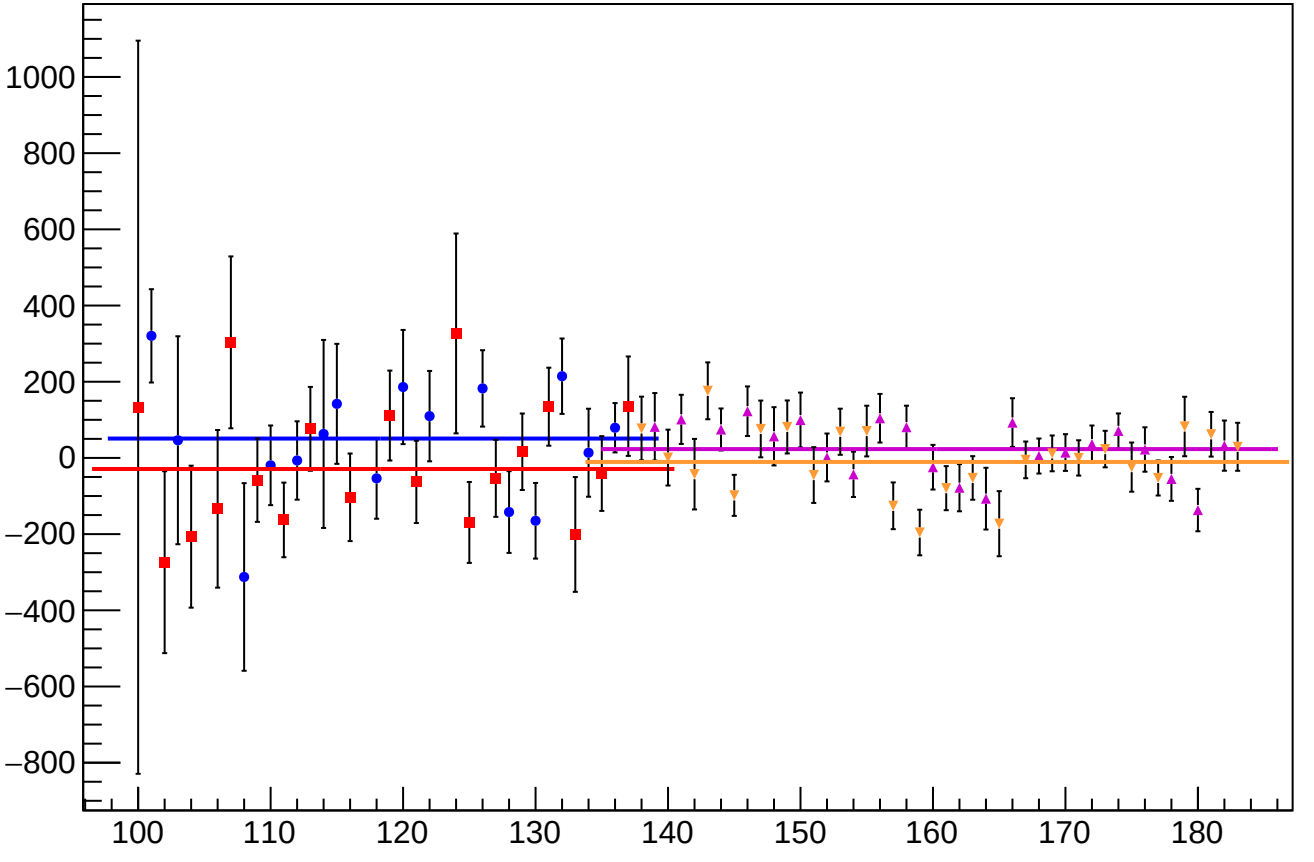
Left In: 256.449+/-0.045 χ^2/NDF:2633852.0/21

+ sign 287.556+/-0.043 χ^2/NDF: 7656912.5/39

All: 284.348+/-0.030 χ^2/NDF: 15426177.0/80

- sign 281.145+/-0.043 χ^2/NDF: 7758208.5/40

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -10.568+/-12.371 χ^2/NDF:40.4/23

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

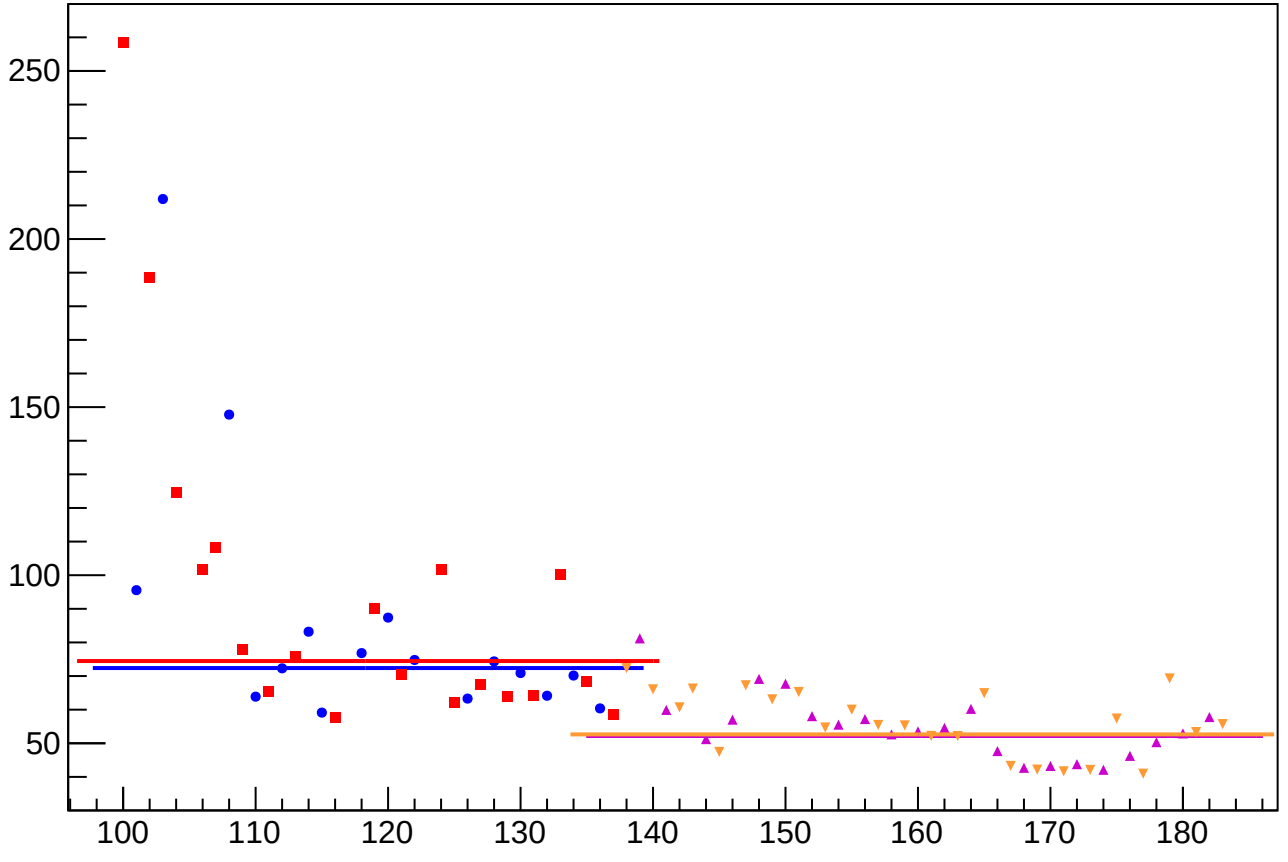
Left In: 23.177+/-12.611 χ^2/NDF:29.0/21

+ sign -0.726+/-11.336 χ^2/NDF: 67.2/39

All: 6.900+/-8.094 χ^2/NDF: 118.3/80

- sign 14.829+/-11.559 χ^2/NDF: 50.2/40

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.640+/-0.009 χ^2/NDF:1156932.0/23

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

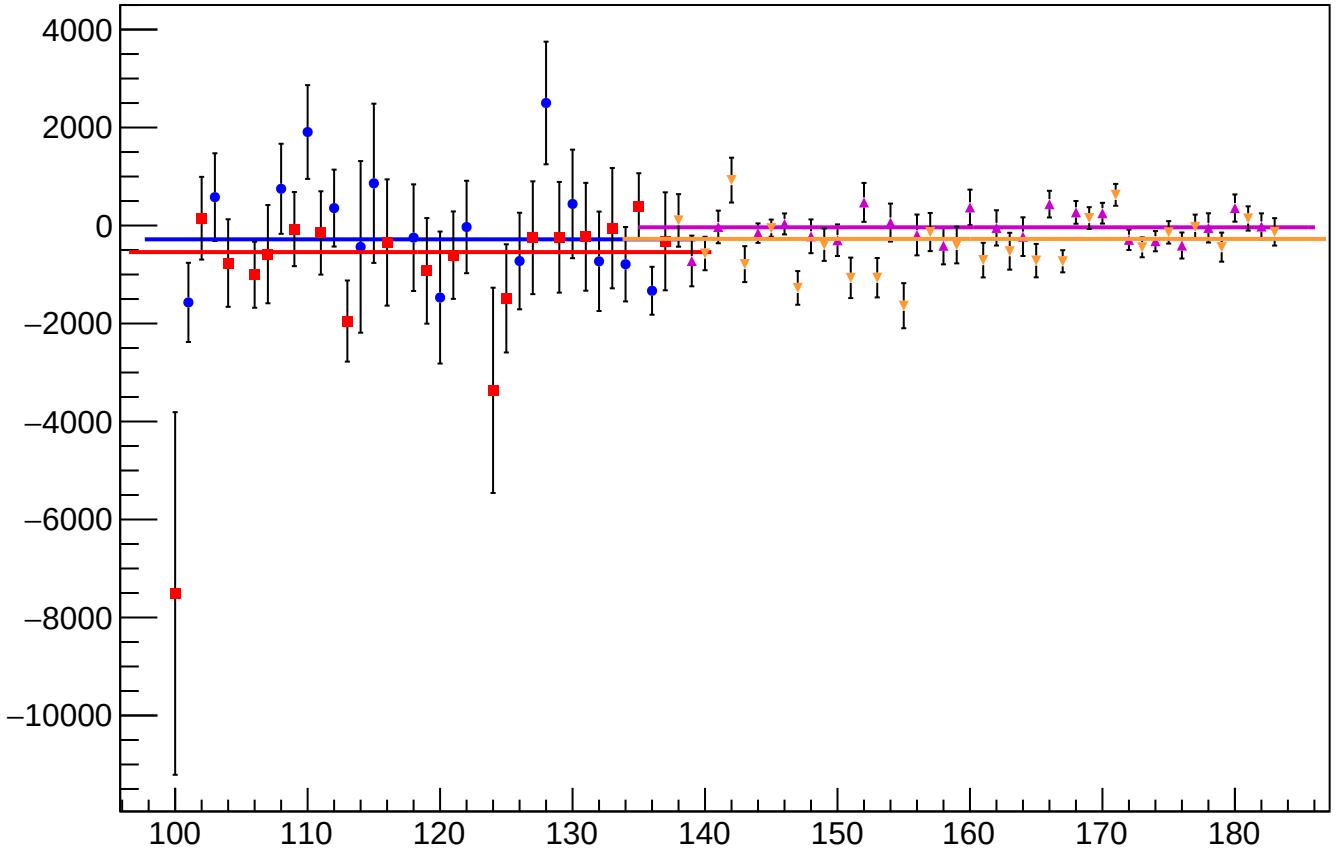
Left In: 52.161+/-0.009 χ^2/NDF:863724.0/21

+ sign 55.804+/-0.008 χ^2/NDF: 2911082.4/39

All: 55.766+/-0.006 χ^2/NDF: 5827088.3/80

- sign 55.727+/-0.008 χ^2/NDF: 2915960.9/40

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -273.323+/-58.928 χ^2/NDF:69.9/23

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

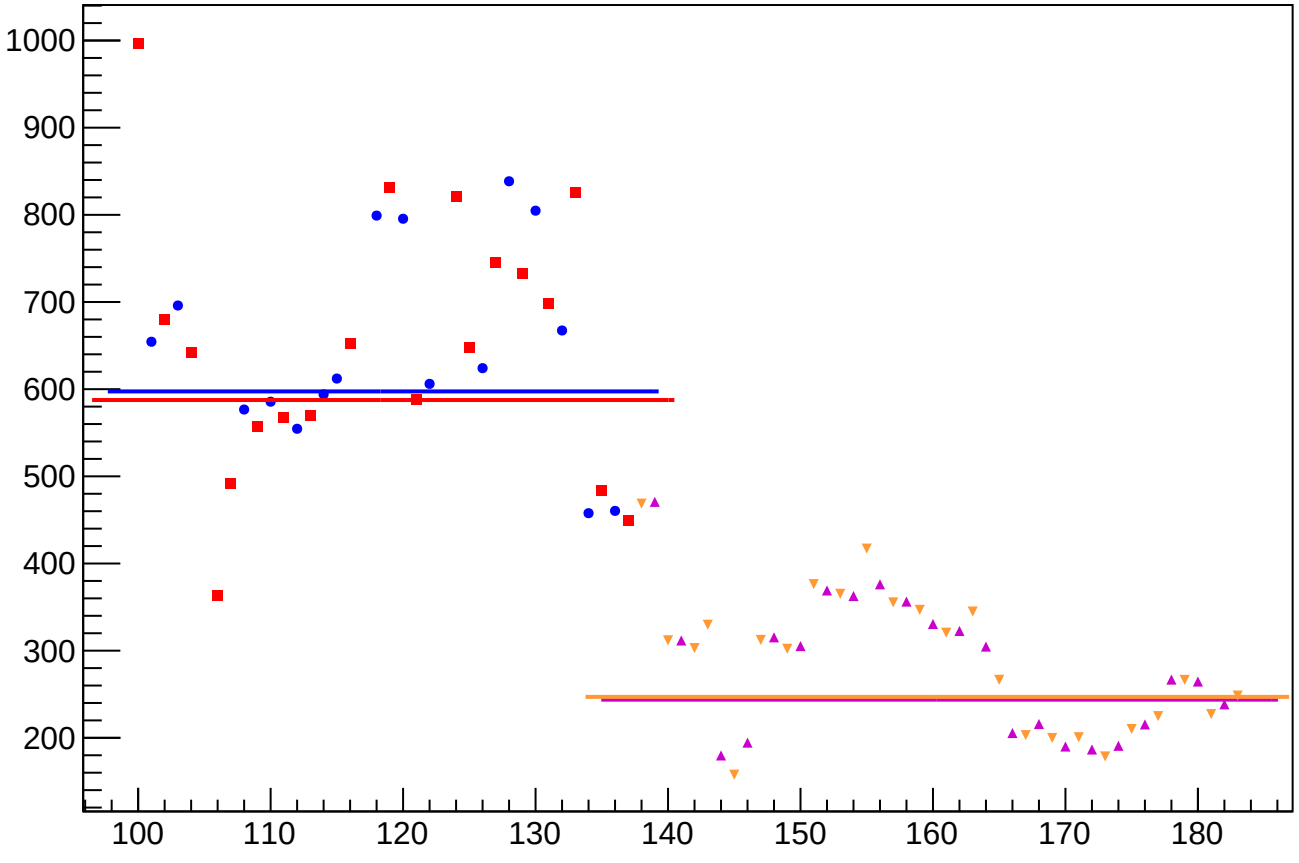
Left In: -36.636+/-59.922 χ^2/NDF:21.4/21

+ sign -273.870+/-57.050 χ^2/NDF: 92.7/39

All: -173.951+/-40.614 χ^2/NDF: 138.5/80

- sign -71.275+/-57.832 χ^2/NDF: 39.5/40

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 246.987+/-0.042 χ^2/NDF:2925688.8/23

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

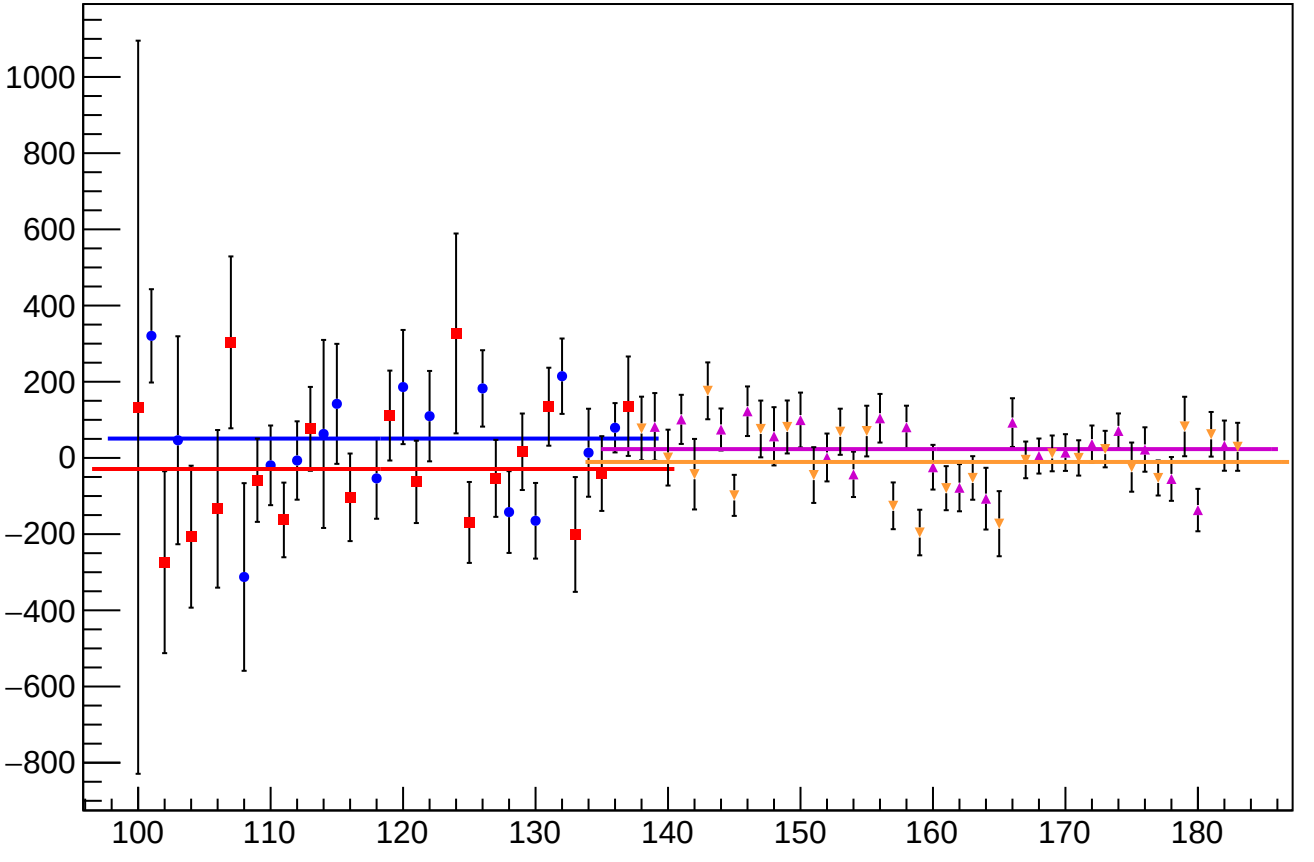
Left In: 243.802+/-0.042 χ^2/NDF:2490528.4/21

+ sign 268.969+/-0.040 χ^2/NDF: 7896434.8/39

All: 268.177+/-0.029 χ^2/NDF: 15588136.8/80

- sign 267.362+/-0.041 χ^2/NDF: 7690919.3/40

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -10.567+/-12.371 χ^2/NDF:40.4/23

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

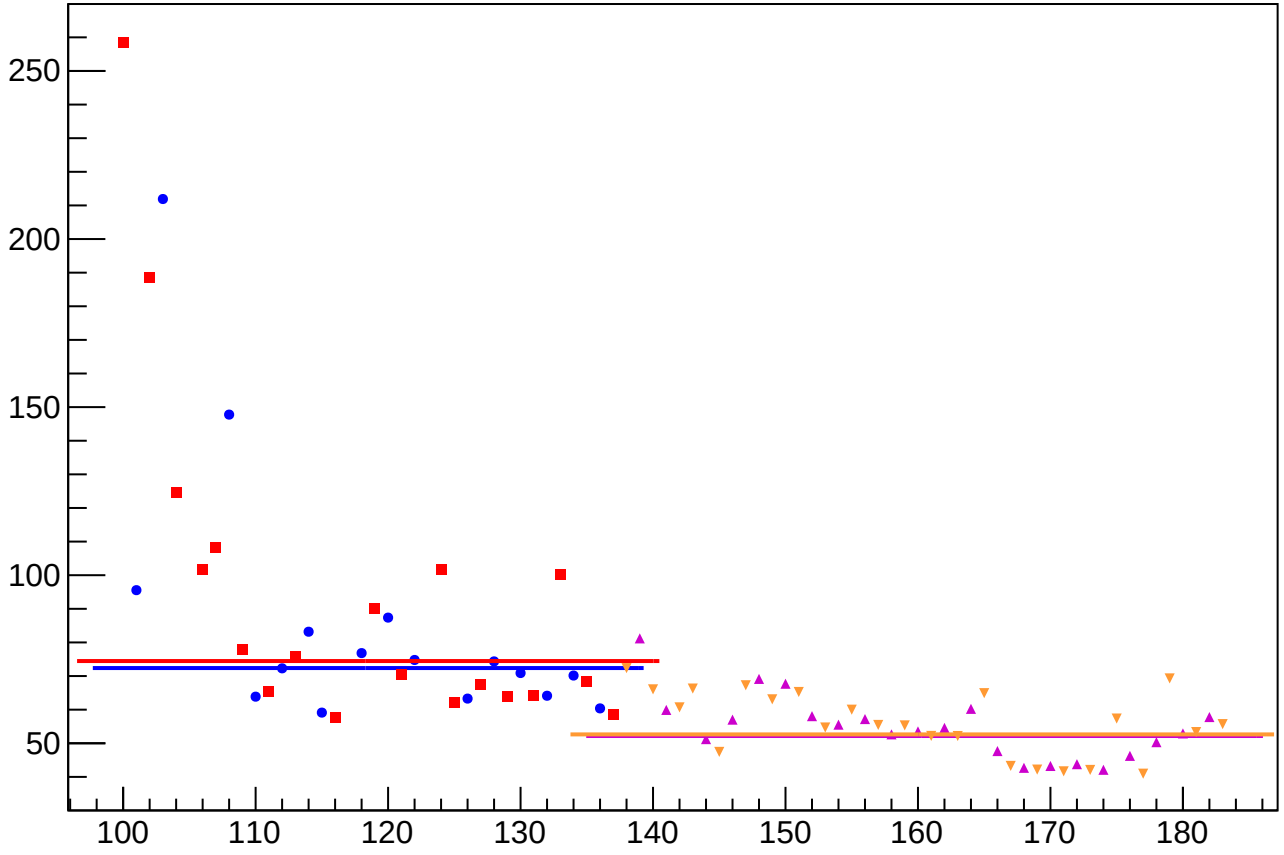
Left In: 23.178+/-12.611 χ^2/NDF:29.0/21

+ sign -0.725+/-11.336 χ^2/NDF: 67.2/39

All: 6.901+/-8.094 χ^2/NDF: 118.3/80

- sign 14.829+/-11.559 χ^2/NDF: 50.2/40

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.640+/-0.009 χ^2/NDF:1156960.0/23

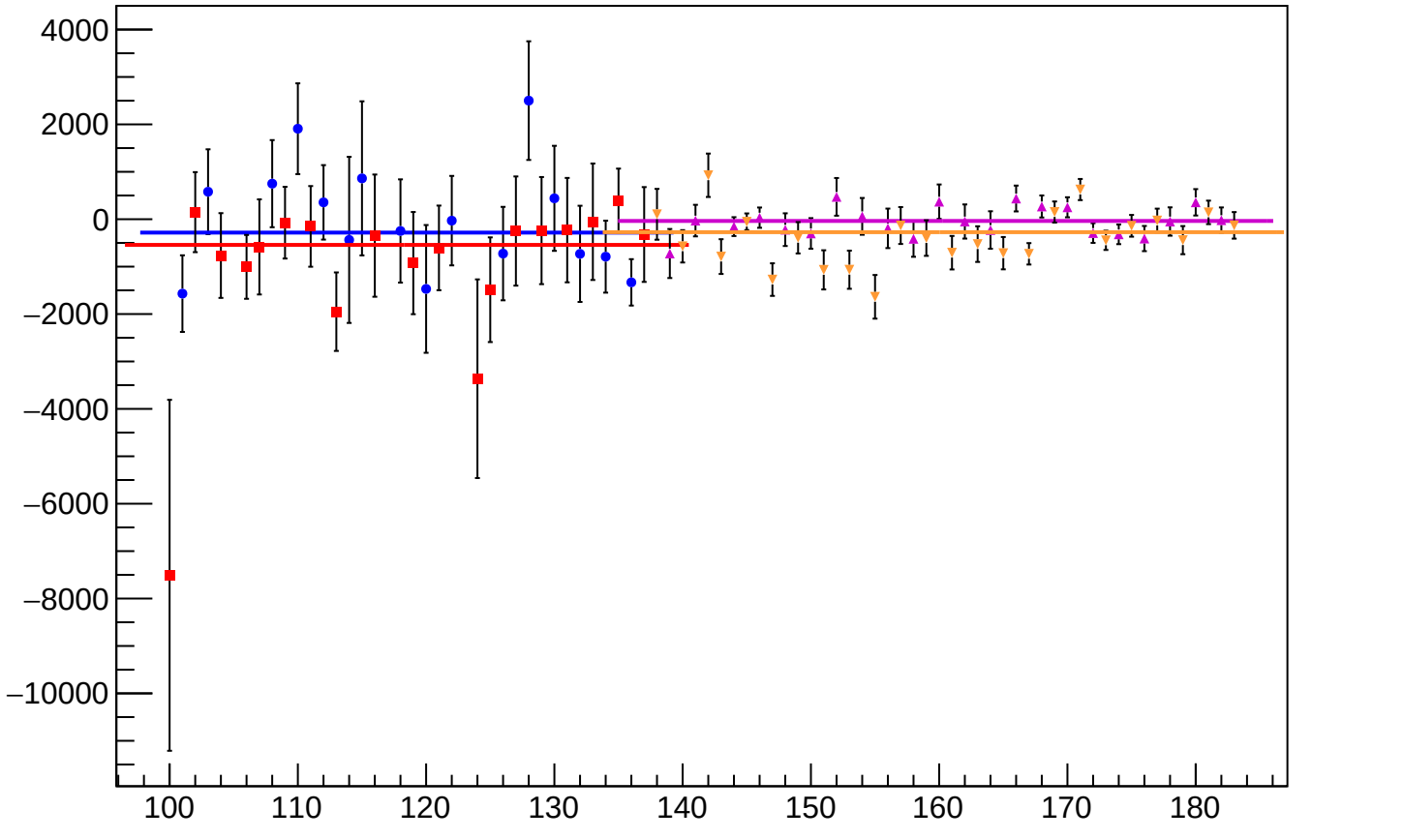
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 52.162+/-0.009 χ^2/NDF:863732.9/21

+ sign 55.804+/-0.008 χ^2/NDF: 2911100.1/39

All: 55.766+/-0.006 χ^2/NDF: 5827098.3/80

- sign 55.727+/-0.008 χ^2/NDF: 2915953.3/40



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -273.323+/-58.928 χ^2/NDF:69.9/23

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

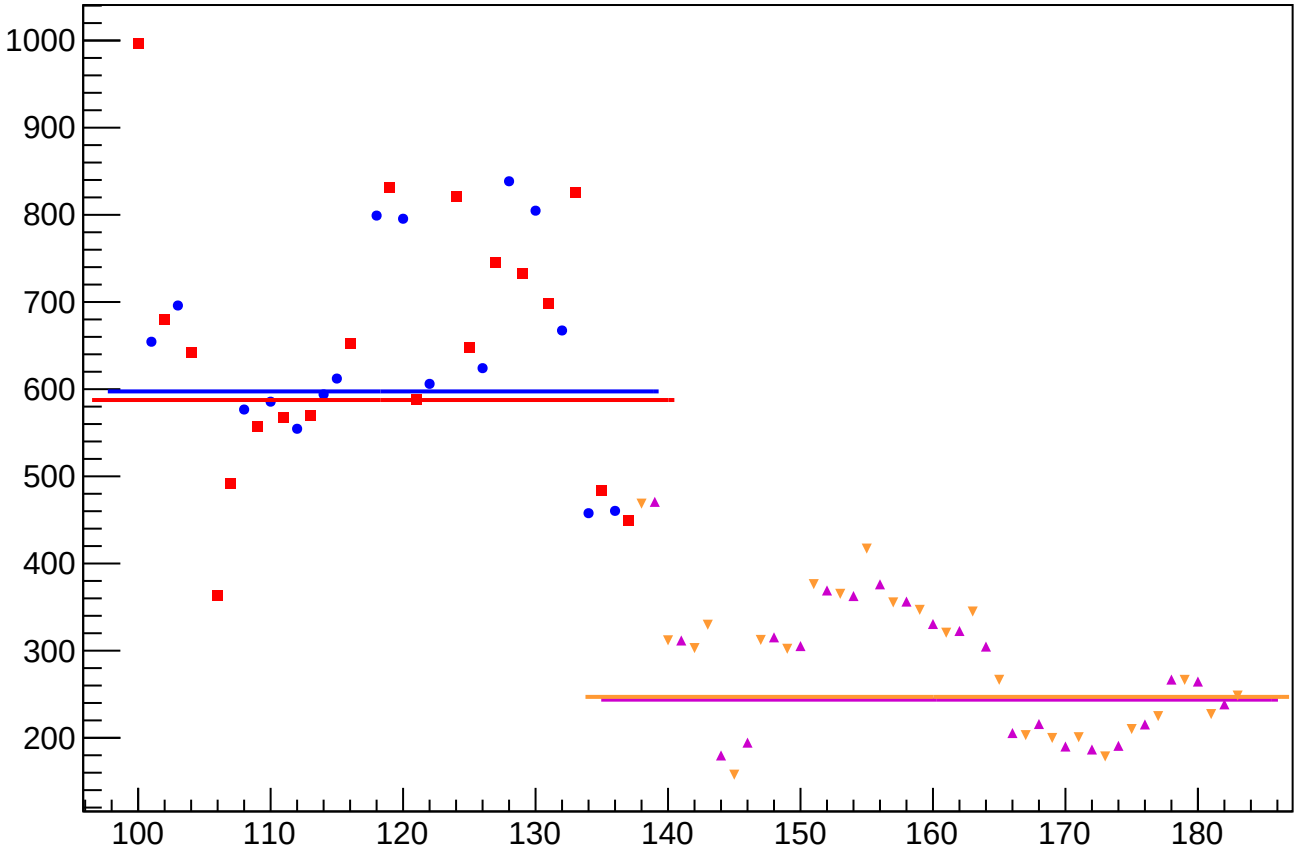
Left In: -36.636+/-59.922 χ^2/NDF:21.4/21

+ sign -273.870+/-57.050 χ^2/NDF: 92.7/39

All: -173.951+/-40.614 χ^2/NDF: 138.5/80

- sign -71.274+/-57.832 χ^2/NDF: 39.5/40

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 246.987+/-0.042 χ^2/NDF:2925677.3/23

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

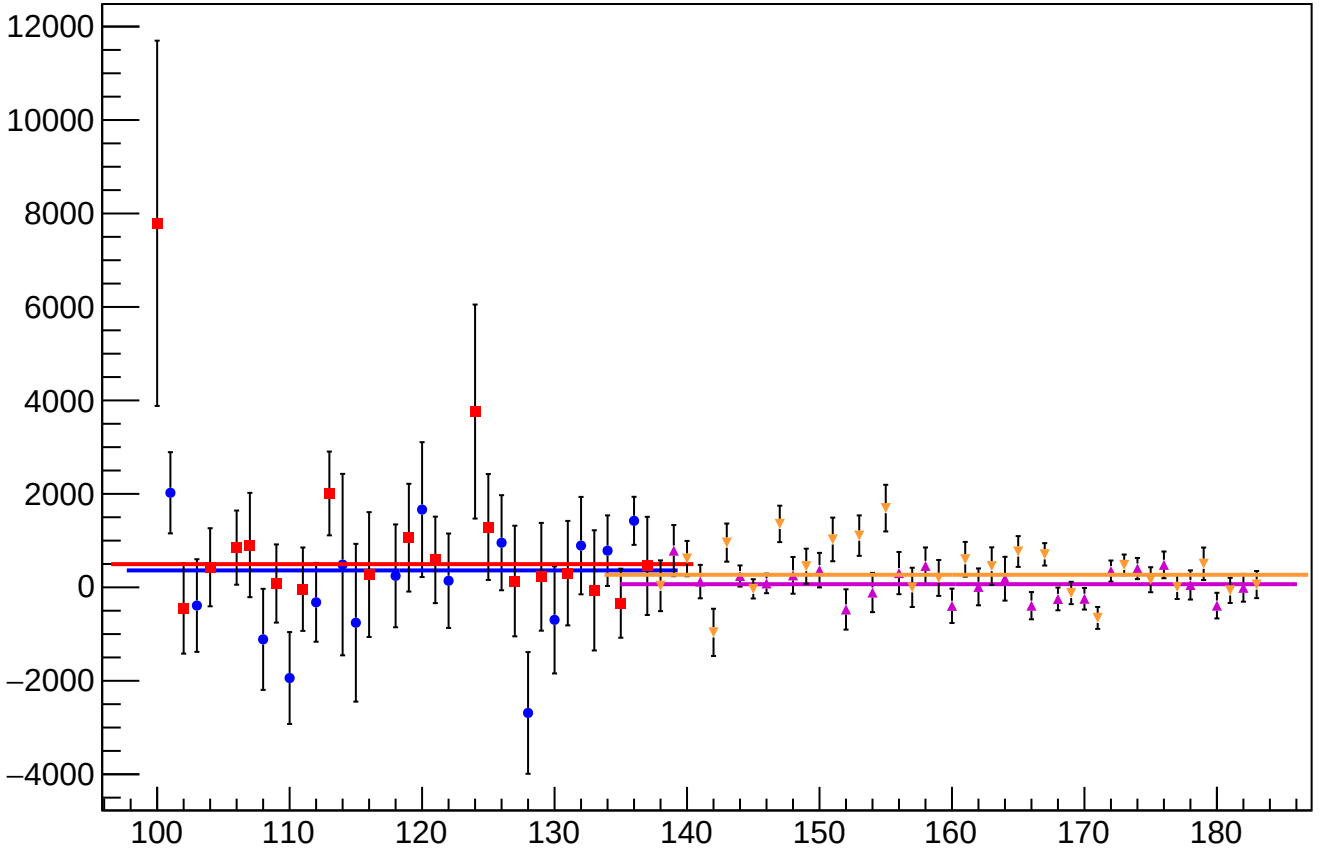
Left In: 243.801+/-0.042 χ^2/NDF:2490521.6/21

+ sign 268.969+/-0.040 χ^2/NDF: 7896427.6/39

All: 268.177+/-0.029 χ^2/NDF: 15588123.3/80

- sign 267.362+/-0.041 χ^2/NDF: 7690912.9/40

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 268.796+/-64.182 χ^2/NDF:64.3/23

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

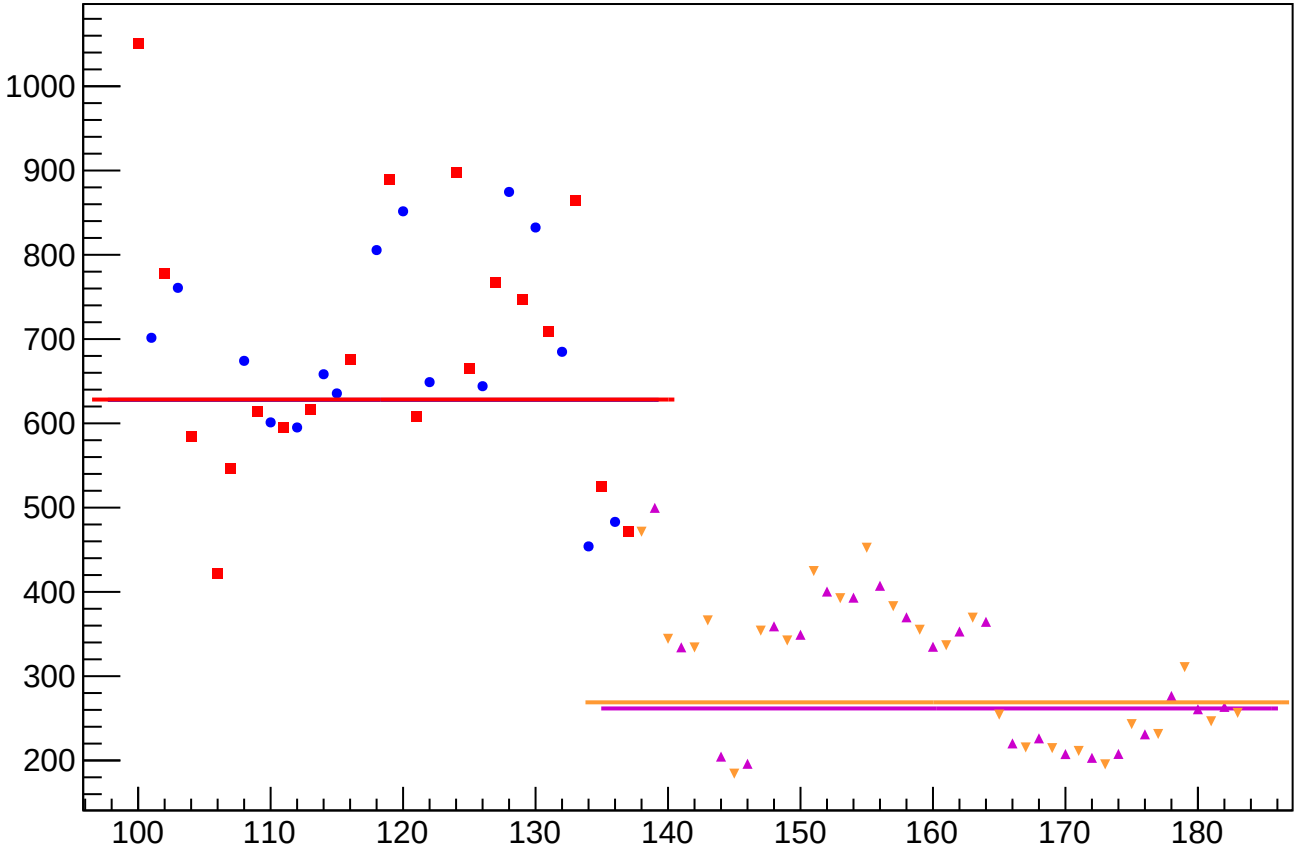
Left In: 67.551+/-64.311 χ^2/NDF:22.6/21

+ sign 275.027+/-62.008 χ^2/NDF: 89.5/39

All: 186.175+/-43.861 χ^2/NDF: 132.0/80

- sign 97.205+/-62.049 χ^2/NDF: 38.4/40

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 268.961+/-0.045 χ^2/NDF:2762567.5/23

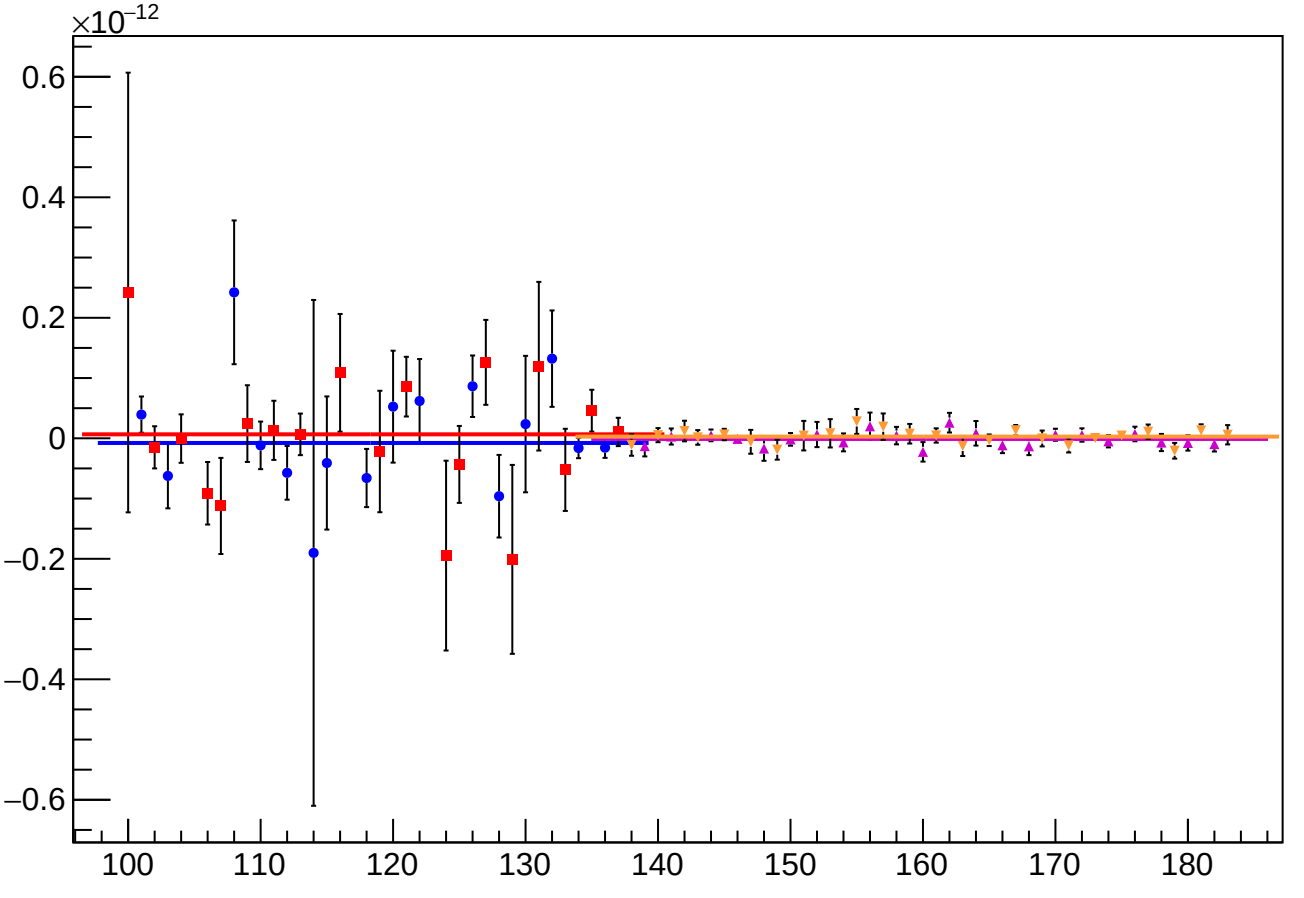
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 261.700+/-0.045 χ^2/NDF:2532348.2/21

+ sign 292.860+/-0.044 χ^2/NDF: 7494398.6/39

All: 289.949+/-0.031 χ^2/NDF: 15096728.5/80

- sign 287.033+/-0.044 χ^2/NDF: 7593503.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/23

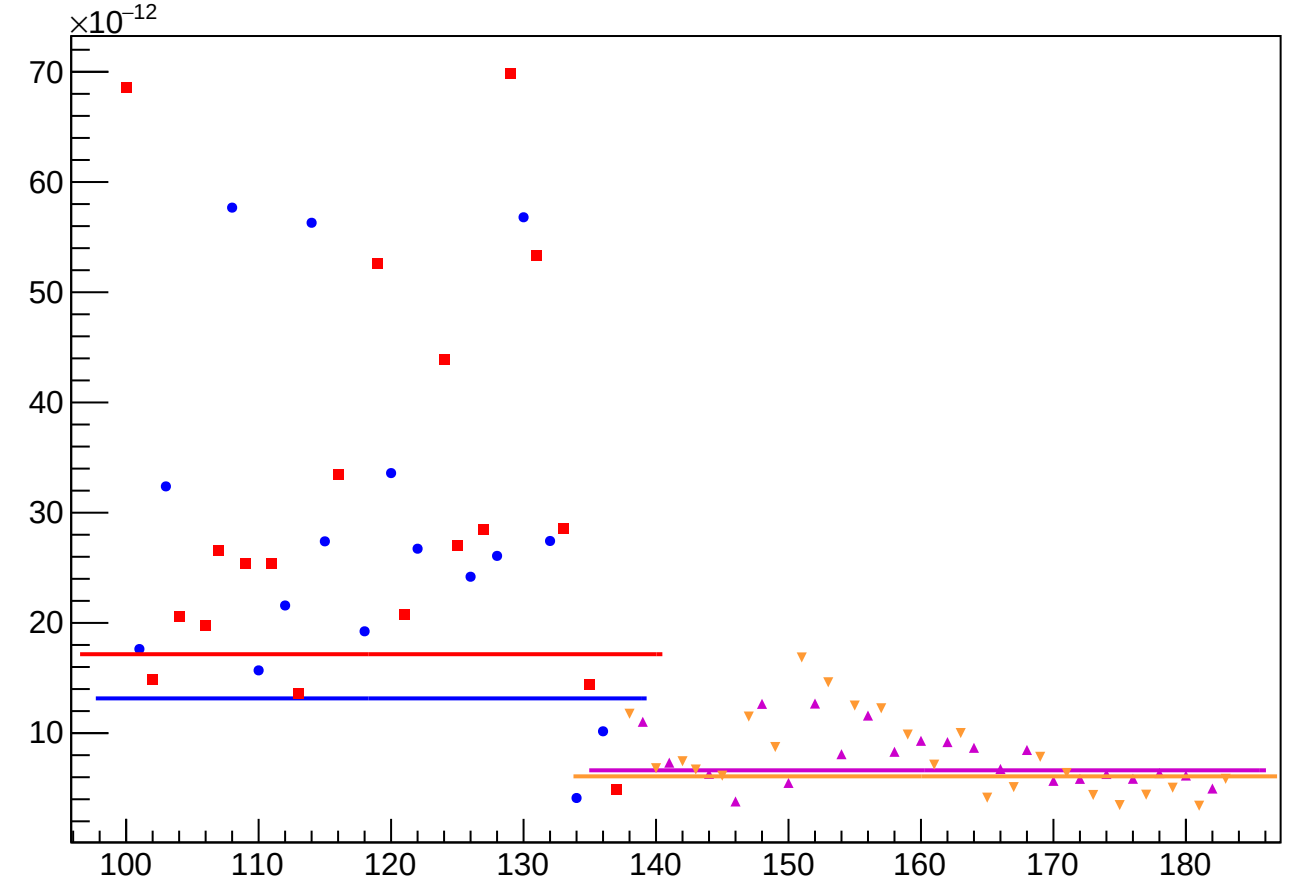
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/39

All: 0.000+/-0.000 χ^2/NDF: 68.9/80

- sign -0.000+/-0.000 χ^2/NDF: 31.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2411225.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

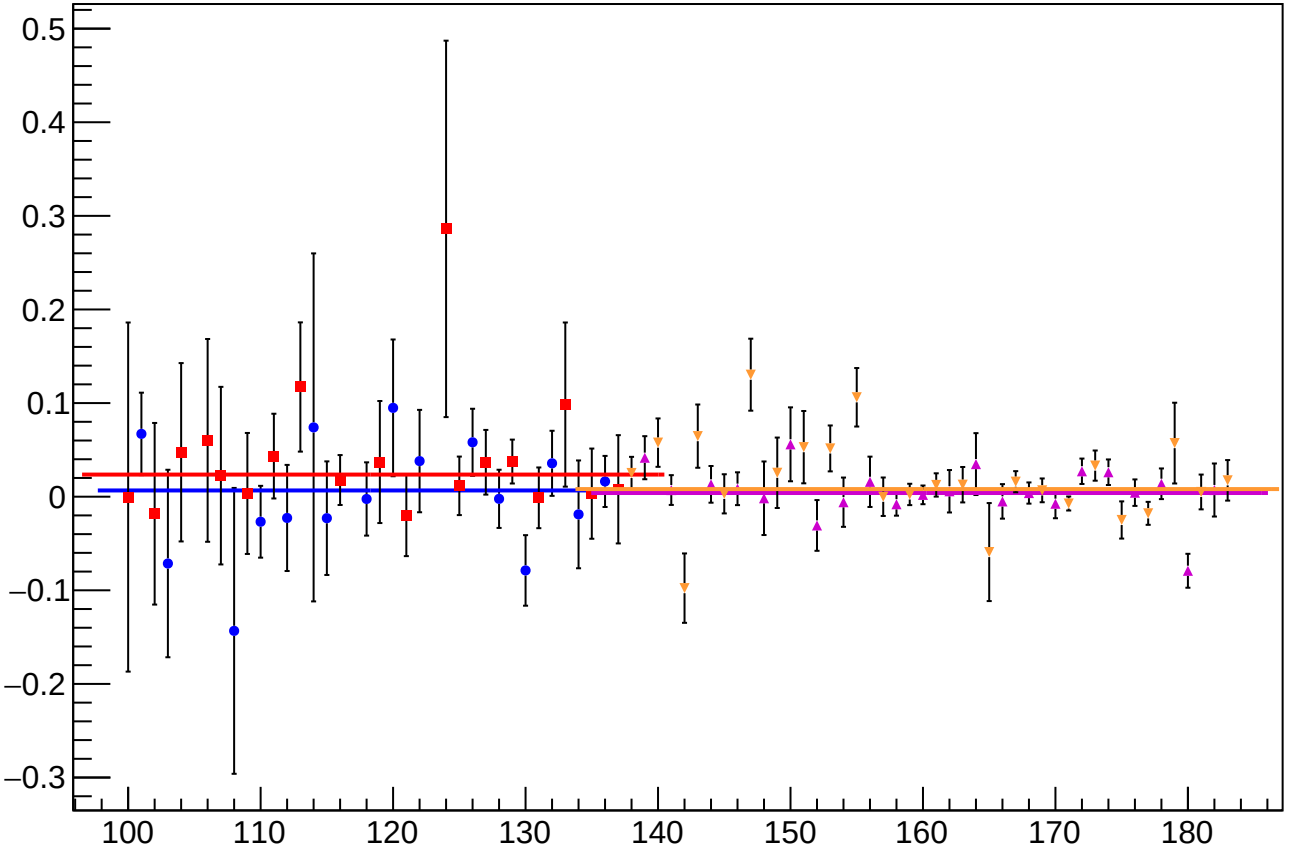
Left In: 0.000+/-0.000 χ^2/NDF:1176959.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 5559413.8/39

All: 0.000+/-0.000 χ^2/NDF: 10026624.4/80

- sign 0.000+/-0.000 χ^2/NDF: 4403375.3/40

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.5/23

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

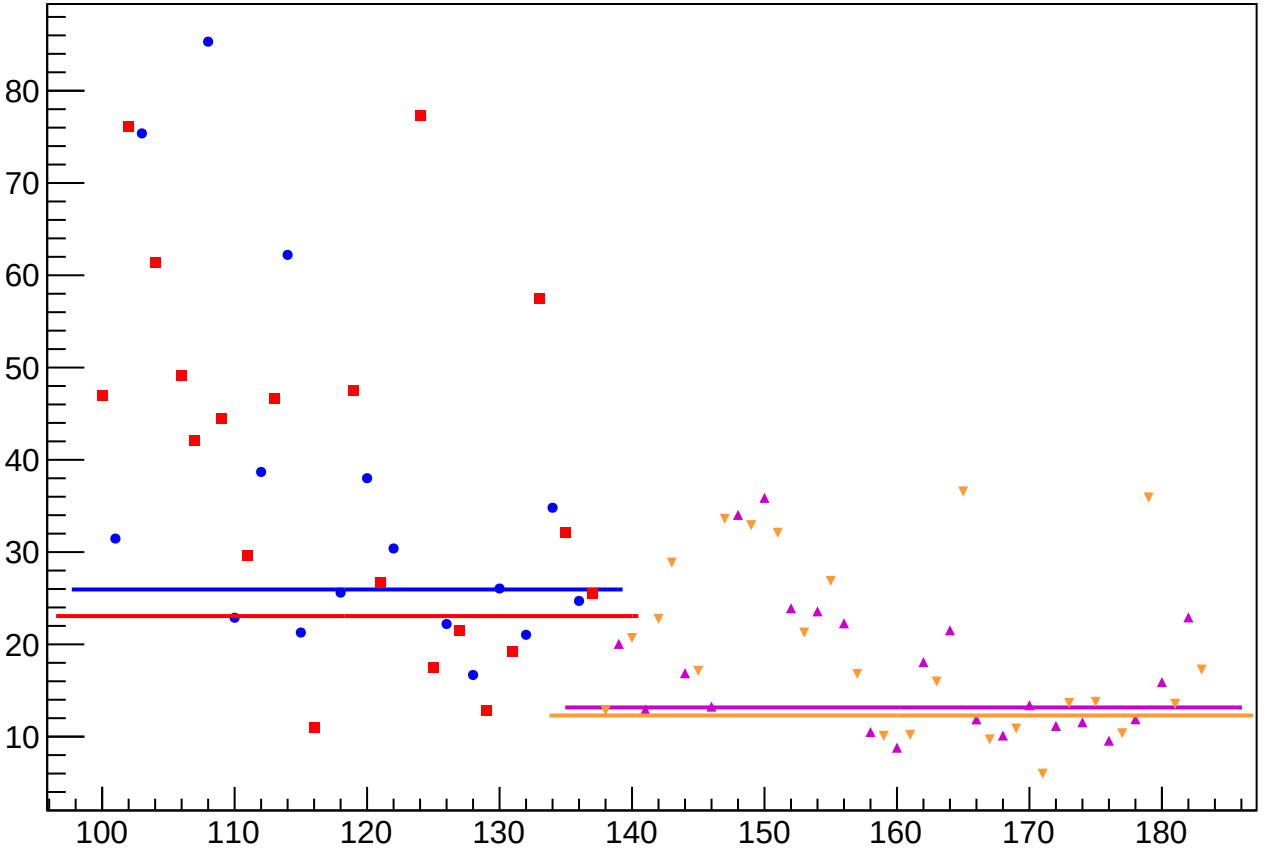
Left In: 0.004+/-0.004 χ^2/NDF:36.4/21

+ sign 0.008+/-0.003 χ^2/NDF: 73.5/39

All: 0.007+/-0.002 χ^2/NDF: 120.7/80

- sign 0.006+/-0.003 χ^2/NDF: 47.0/40

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.291+/-0.002 χ^2/NDF:6482193.0/23

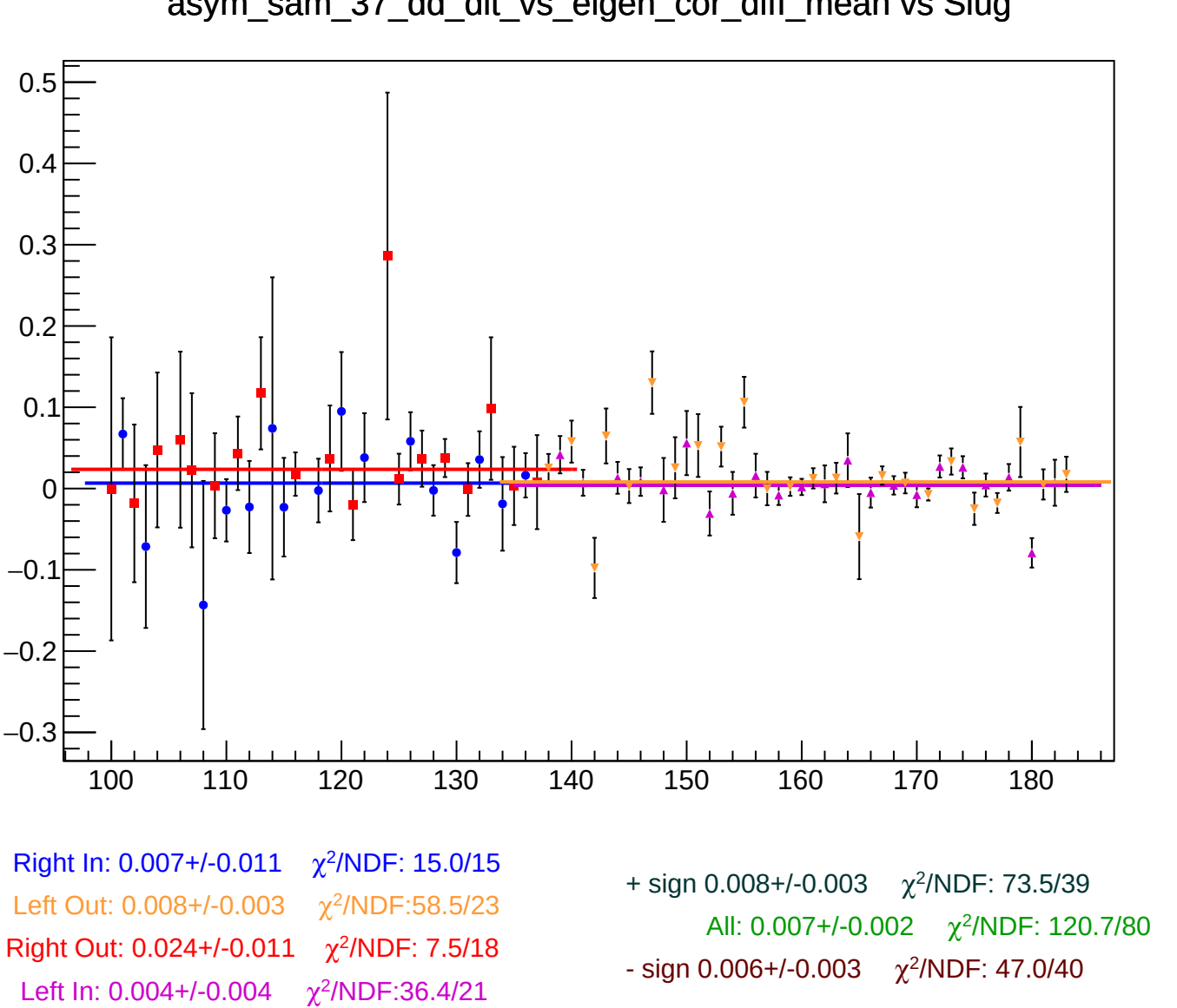
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

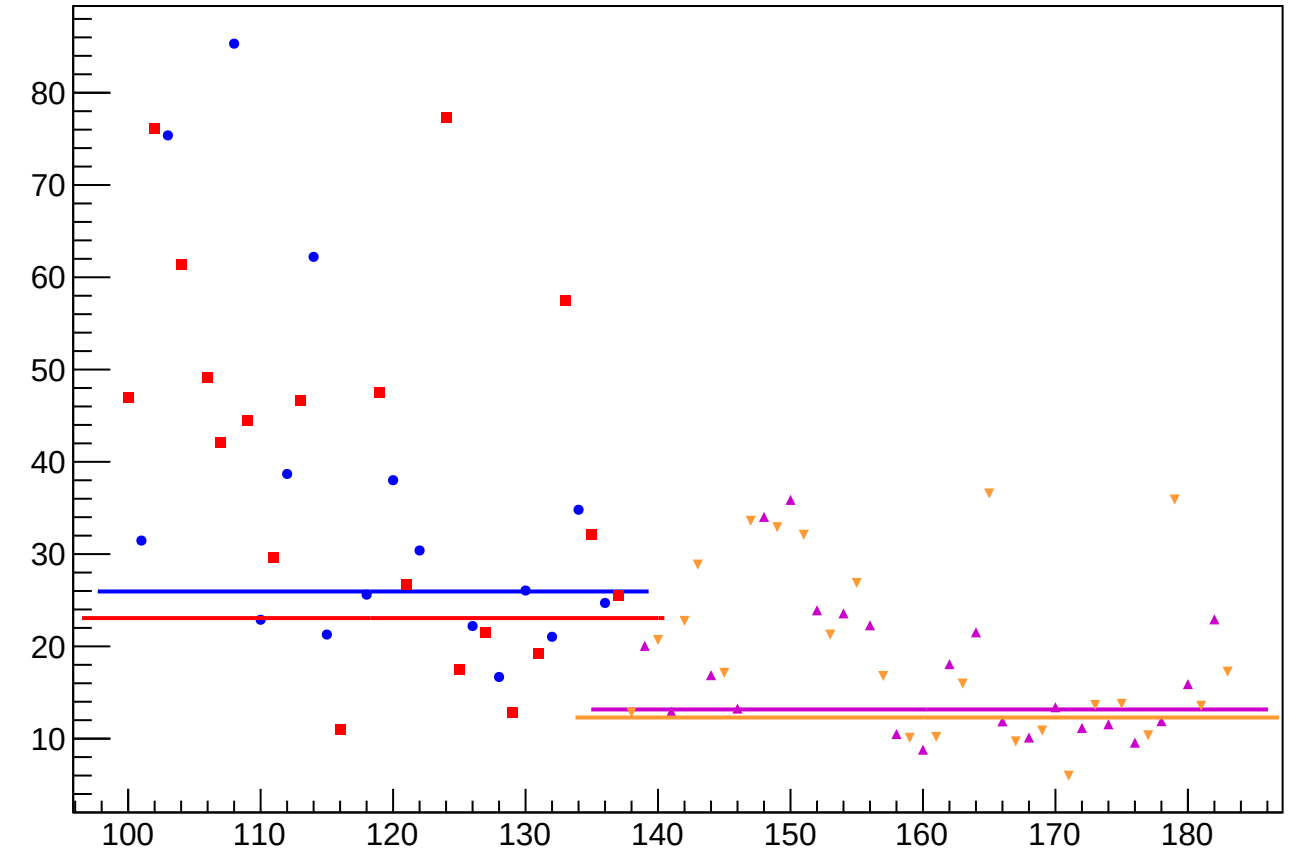
Left In: 13.162+/-0.003 χ^2/NDF:3686076.1/21

+ sign 13.499+/-0.002 χ^2/NDF: 10624143.4/39

All: 13.847+/-0.002 χ^2/NDF: 19305093.1/80

- sign 14.224+/-0.002 χ^2/NDF: 8634712.0/40


asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.011 χ²/NDF: 15.0/15
Left Out: 0.008+/-0.003 χ²/NDF:58.5/23
Right Out: 0.024+/-0.011 χ²/NDF: 7.5/18
Left In: 0.004+/-0.004 χ²/NDF:36.4/21
+ sign 0.008+/-0.003 χ²/NDF: 73.5/39
All: 0.007+/-0.002 χ²/NDF: 120.7/80
- sign 0.006+/-0.003 χ²/NDF: 47.0/40



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.291+/-0.002 χ^2/NDF:6482193.0/23

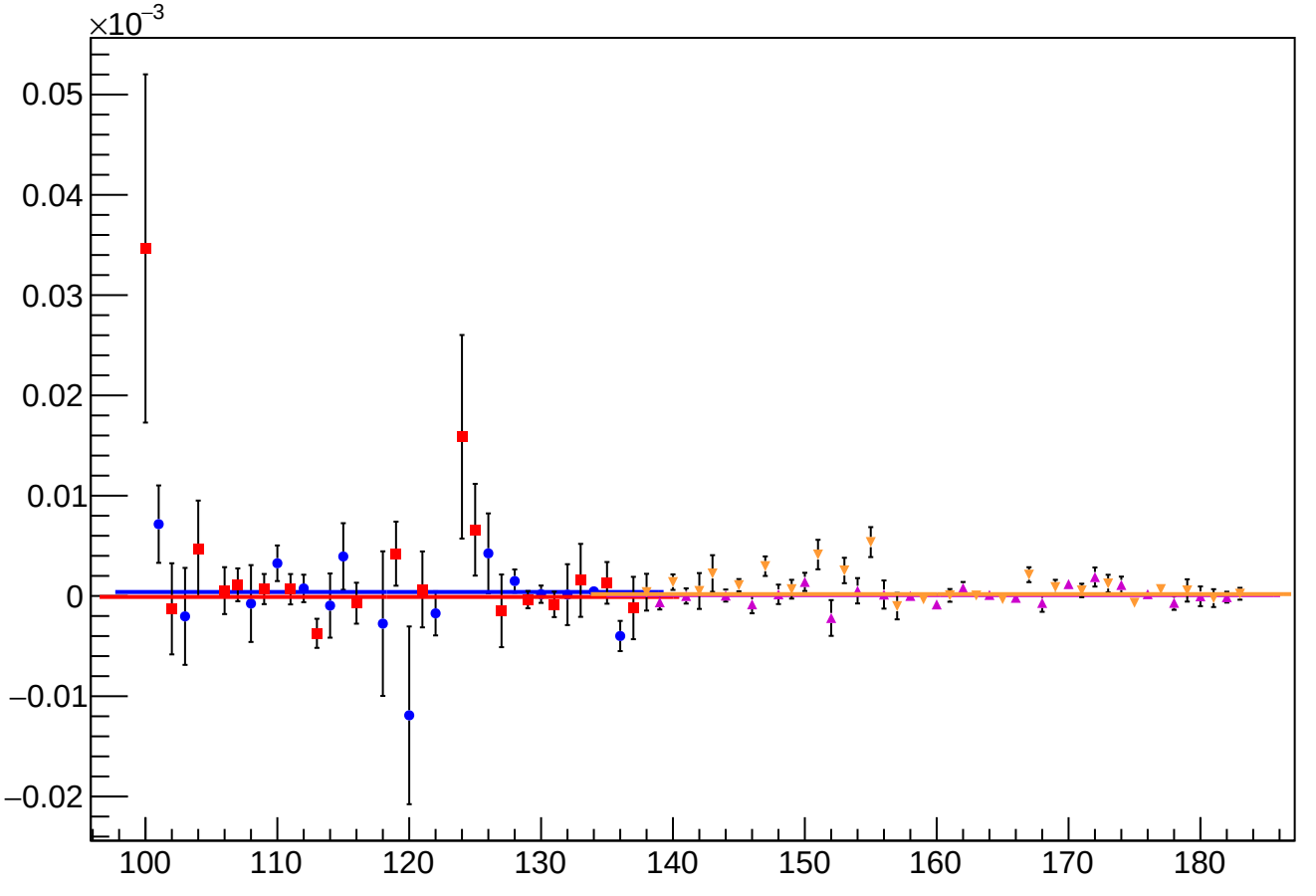
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.162+/-0.003 χ^2/NDF:3686076.1/21

+ sign 13.499+/-0.002 χ^2/NDF: 10624143.4/39

All: 13.847+/-0.002 χ^2/NDF: 19305093.1/80

- sign 14.224+/-0.002 χ^2/NDF: 8634712.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:60.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

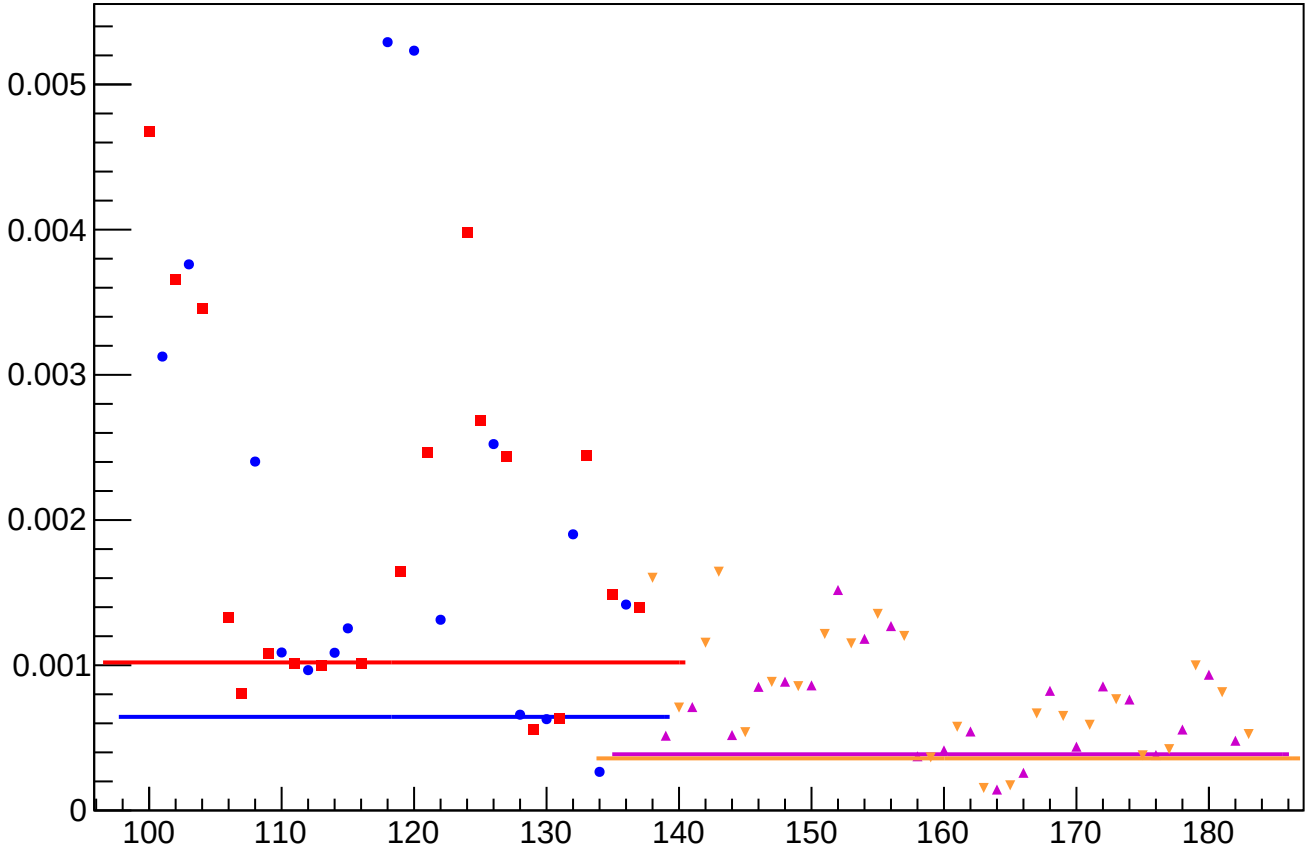
Left In: 0.000+/-0.000 χ^2/NDF:24.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 81.4/39

All: 0.000+/-0.000 χ^2/NDF: 126.8/80

- sign 0.000+/-0.000 χ^2/NDF: 44.6/40

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13986741.6/23

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

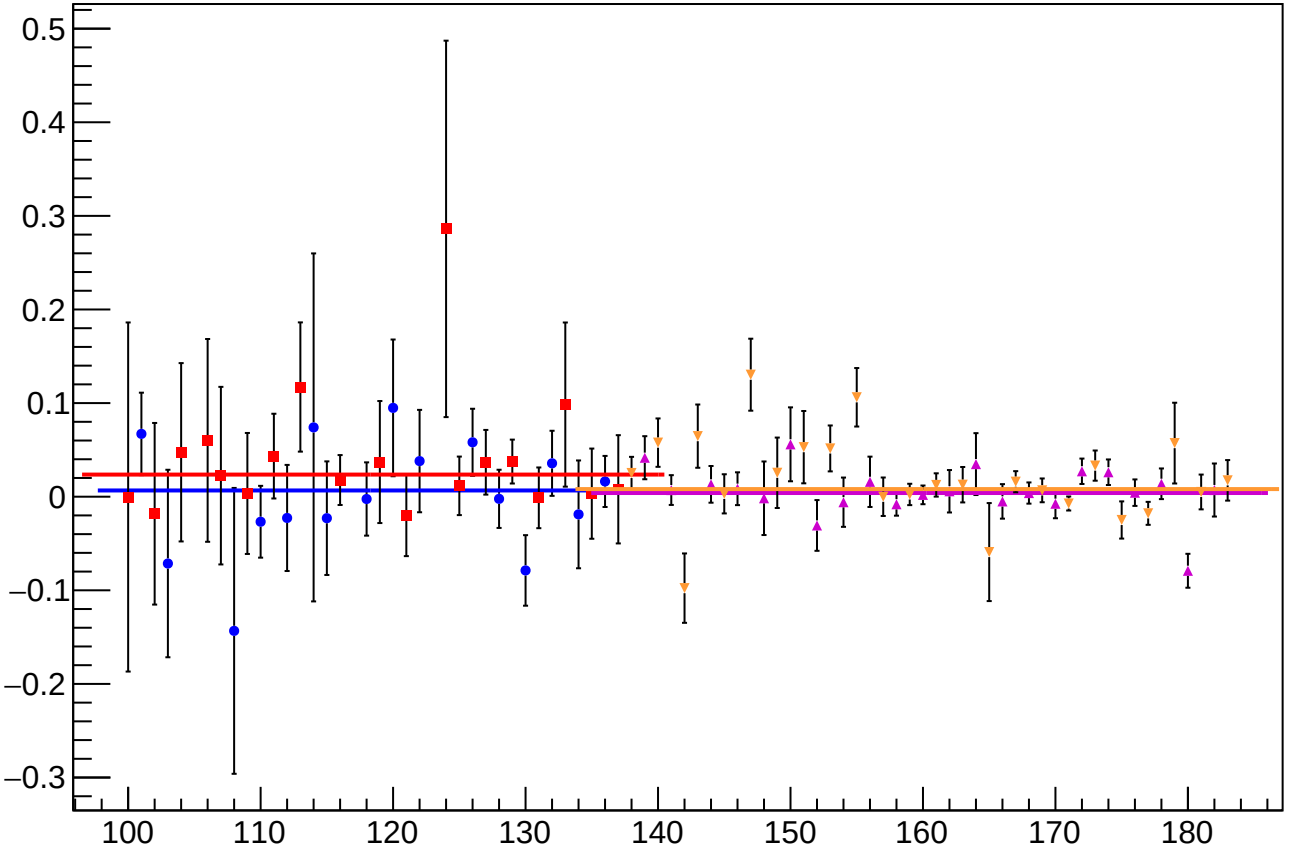
Left In: 0.000+/-0.000 χ^2/NDF:10443638.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 21851967.0/39

All: 0.000+/-0.000 χ^2/NDF: 39824308.0/80

- sign 0.000+/-0.000 χ^2/NDF: 17823394.7/40

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.5/23

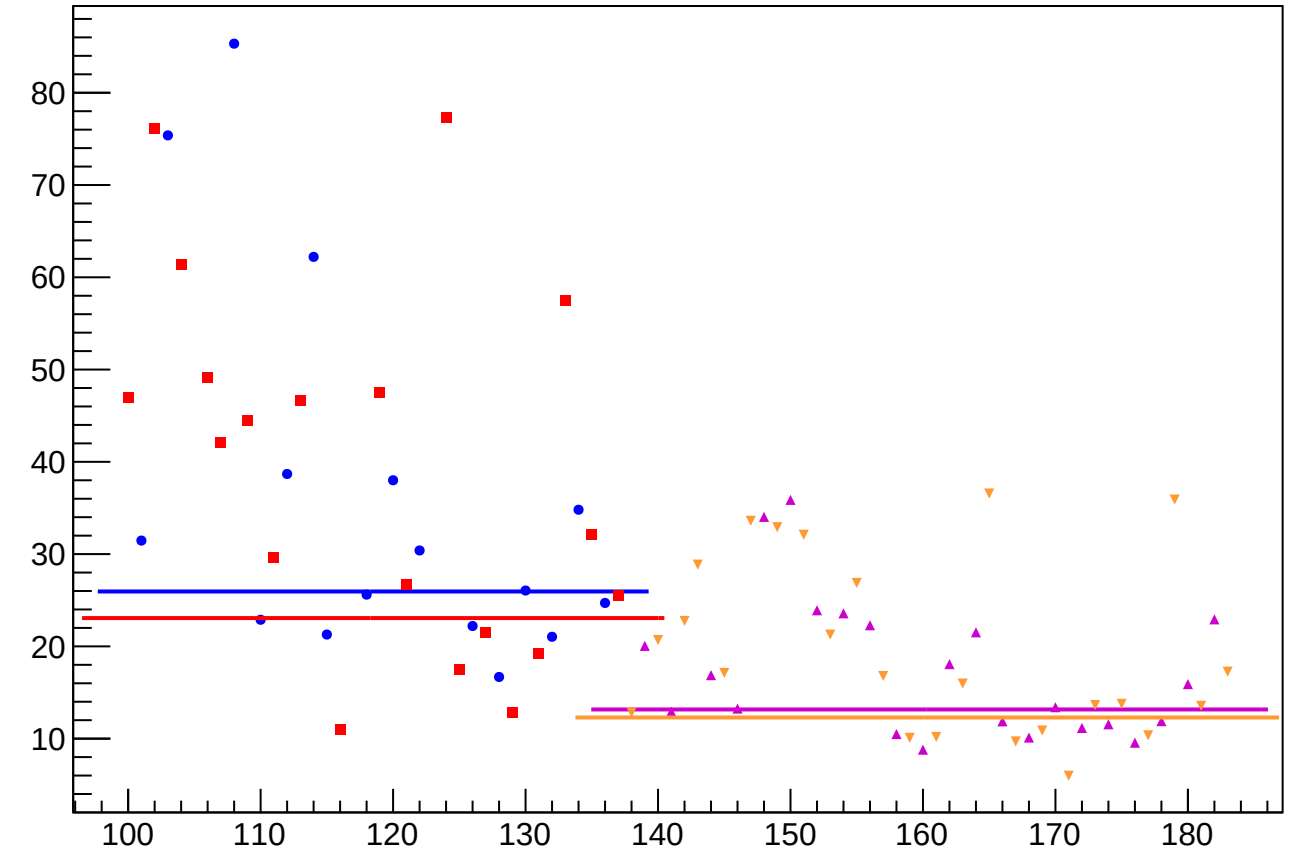
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:36.4/21

+ sign 0.008+/-0.003 χ^2/NDF: 73.5/39

All: 0.007+/-0.002 χ^2/NDF: 120.7/80

- sign 0.006+/-0.003 χ^2/NDF: 47.0/40



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.292+/-0.002 χ^2/NDF:6482424.1/23

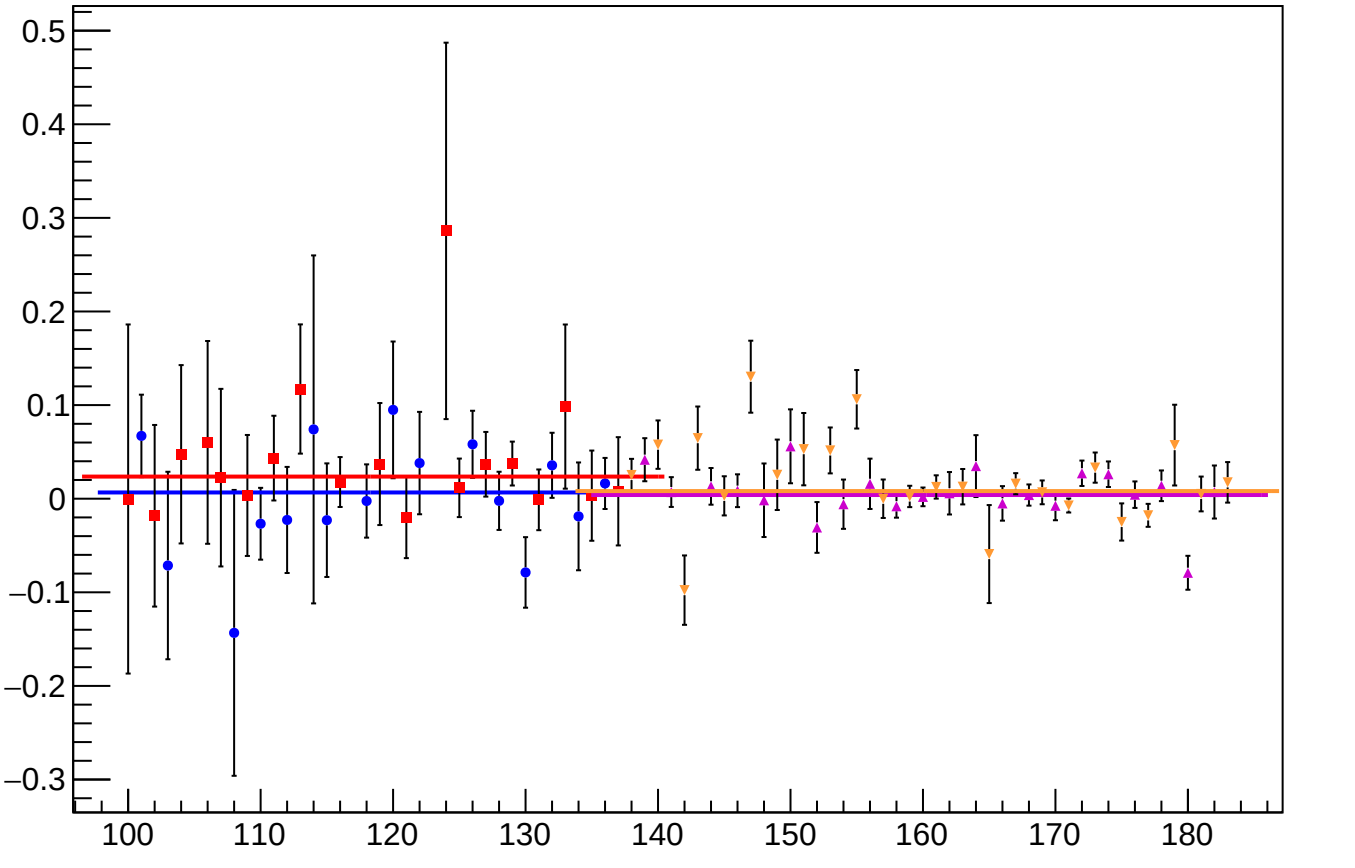
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.162+/-0.003 χ^2/NDF:3686232.7/21

+ sign 13.499+/-0.002 χ^2/NDF: 10624394.9/39

All: 13.847+/-0.002 χ^2/NDF: 19305440.1/80

- sign 14.224+/-0.002 χ^2/NDF: 8634811.8/40



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.5/23

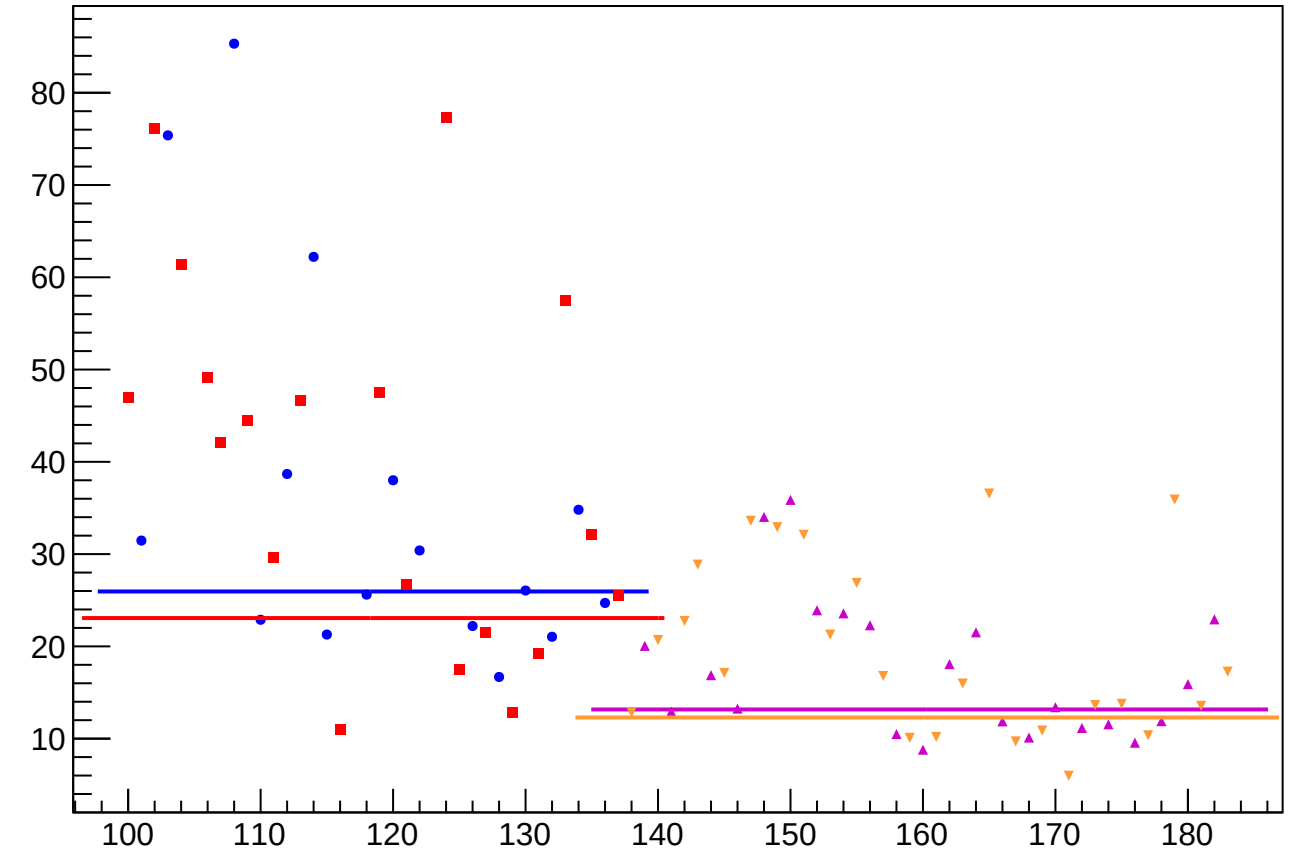
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:36.4/21

+ sign 0.008+/-0.003 χ^2/NDF: 73.5/39

All: 0.007+/-0.002 χ^2/NDF: 120.7/80

- sign 0.006+/-0.003 χ^2/NDF: 47.0/40



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.292+/-0.002 χ^2/NDF:6482424.1/23

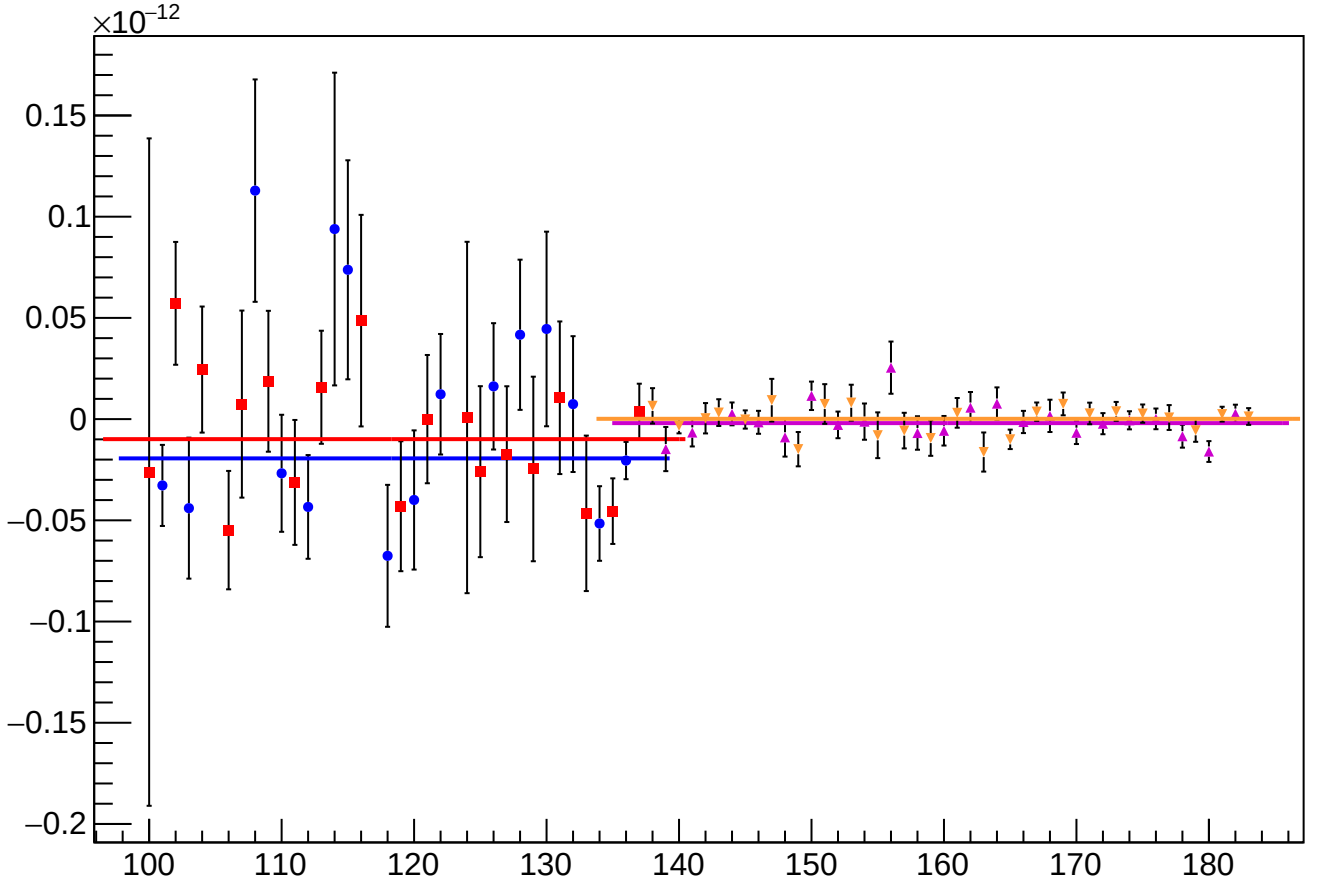
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.162+/-0.003 χ^2/NDF:3686232.7/21

\+ sign 13.499+/-0.002 χ^2/NDF: 10624394.9/39

All: 13.847+/-0.002 χ^2/NDF: 19305440.1/80

\- sign 14.224+/-0.002 χ^2/NDF: 8634811.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/23

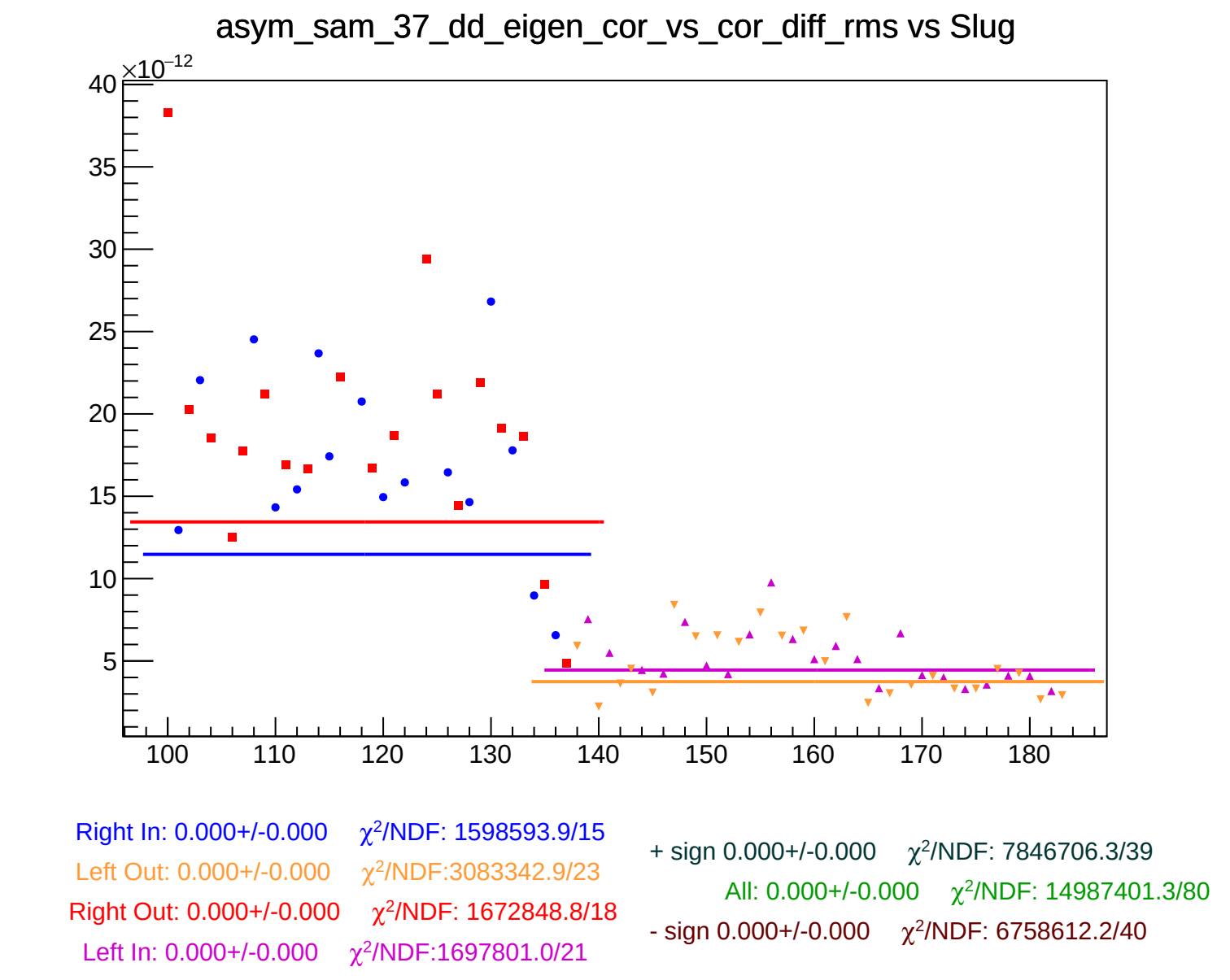
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:25.4/21

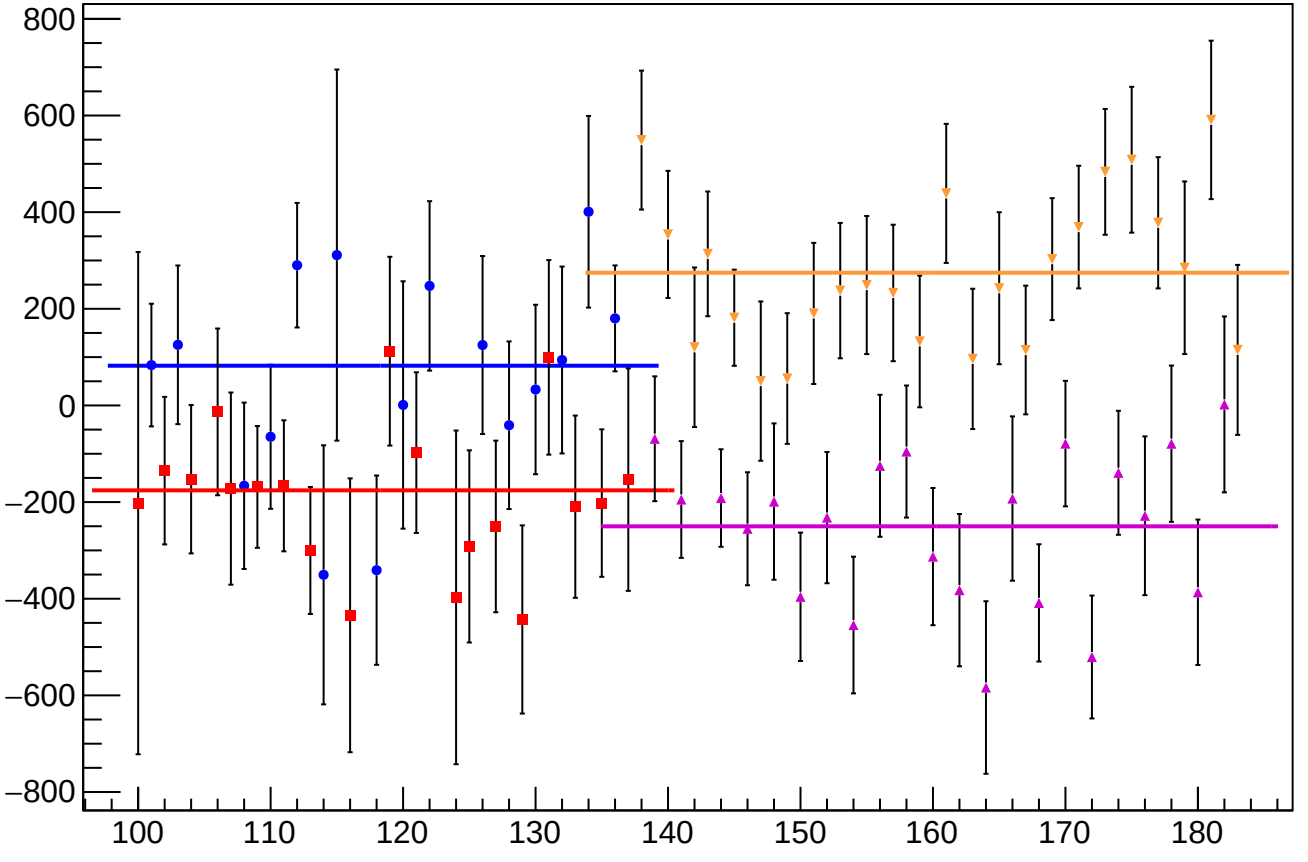
+ sign -0.000+/-0.000 χ^2/NDF: 57.3/39

All: -0.000+/-0.000 χ^2/NDF: 105.2/80

- sign -0.000+/-0.000 χ^2/NDF: 47.0/40


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:3083342.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1697801.0/21
+ sign 0.000+/-0.000 χ²/NDF: 7846706.3/39
All: 0.000+/-0.000 χ²/NDF: 14987401.3/80
- sign 0.000+/-0.000 χ²/NDF: 6758612.2/40

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 274.657+/-28.611 χ^2/NDF:26.9/23

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

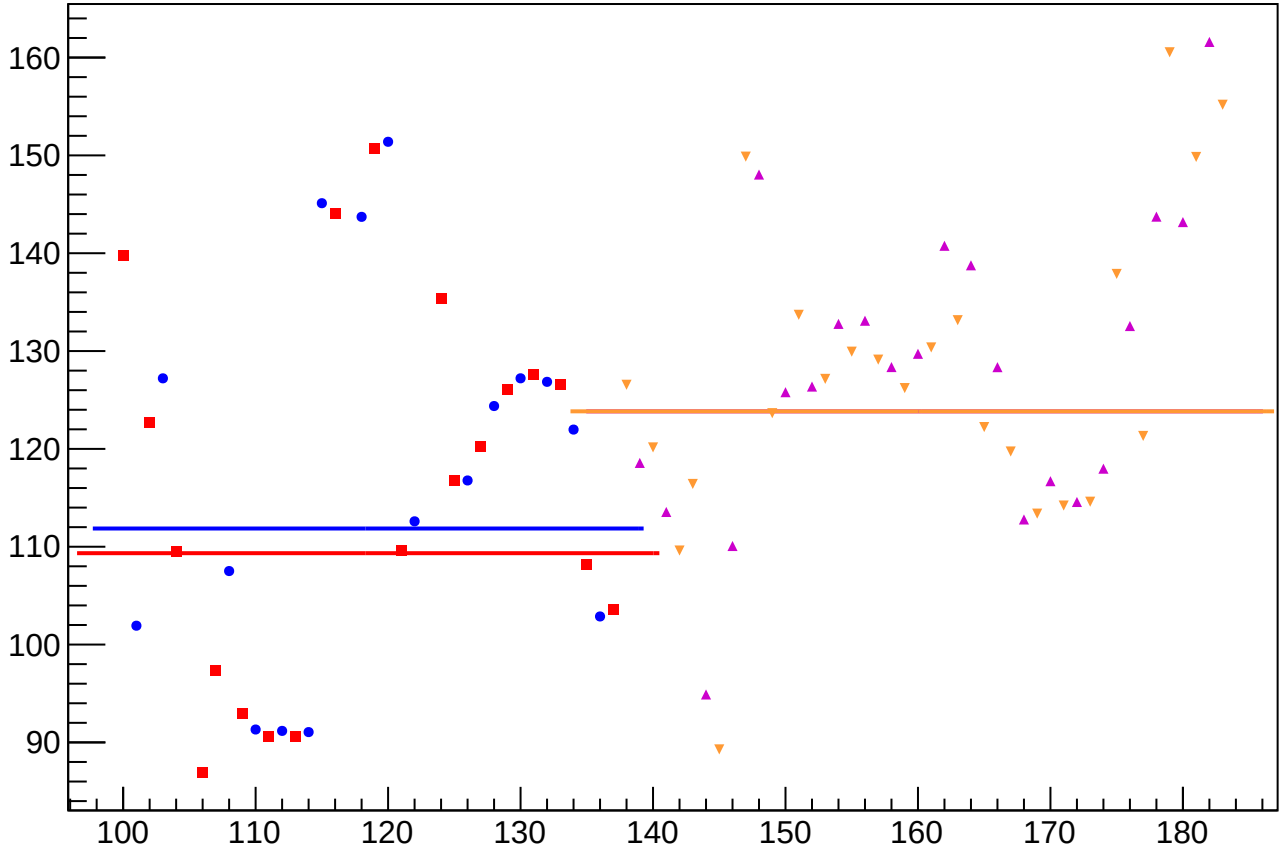
Left In: -250.151+/-29.438 χ^2/NDF:25.0/21

+ sign 213.918+/-23.669 χ^2/NDF: 59.6/39

All: -3.686+/-16.799 χ^2/NDF: 267.0/80

- sign -224.568+/-23.847 χ^2/NDF: 37.1/40

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 123.839+/-0.020 χ^2/NDF:598269.5/23

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

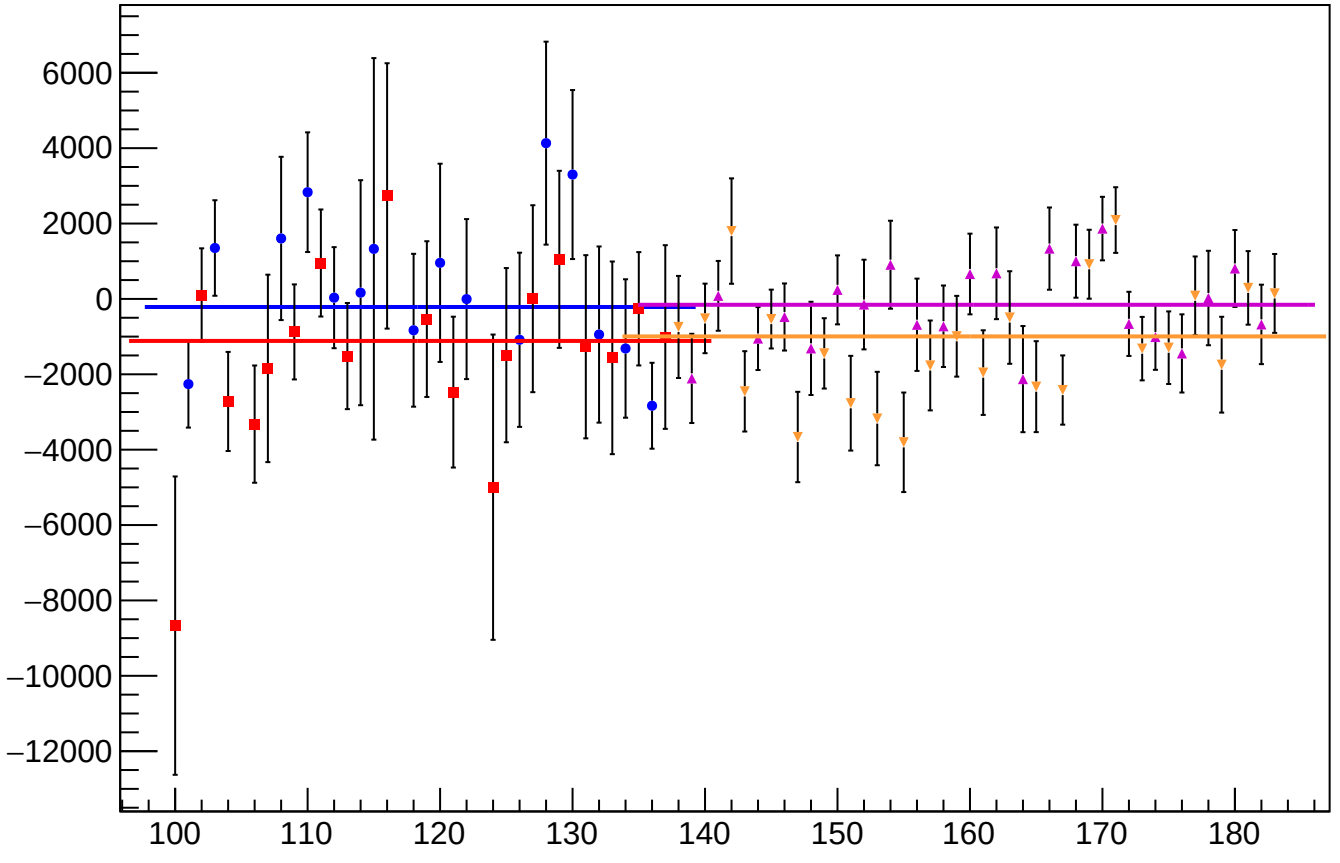
Left In: 123.836+/-0.021 χ^2/NDF:508318.6/21

+ sign 120.059+/-0.017 χ^2/NDF: 1014906.5/39

All: 119.460+/-0.012 χ^2/NDF: 2059727.8/80

- sign 118.853+/-0.017 χ^2/NDF: 1042241.9/40

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -994.505+/-213.864 χ^2/NDF:47.8/23

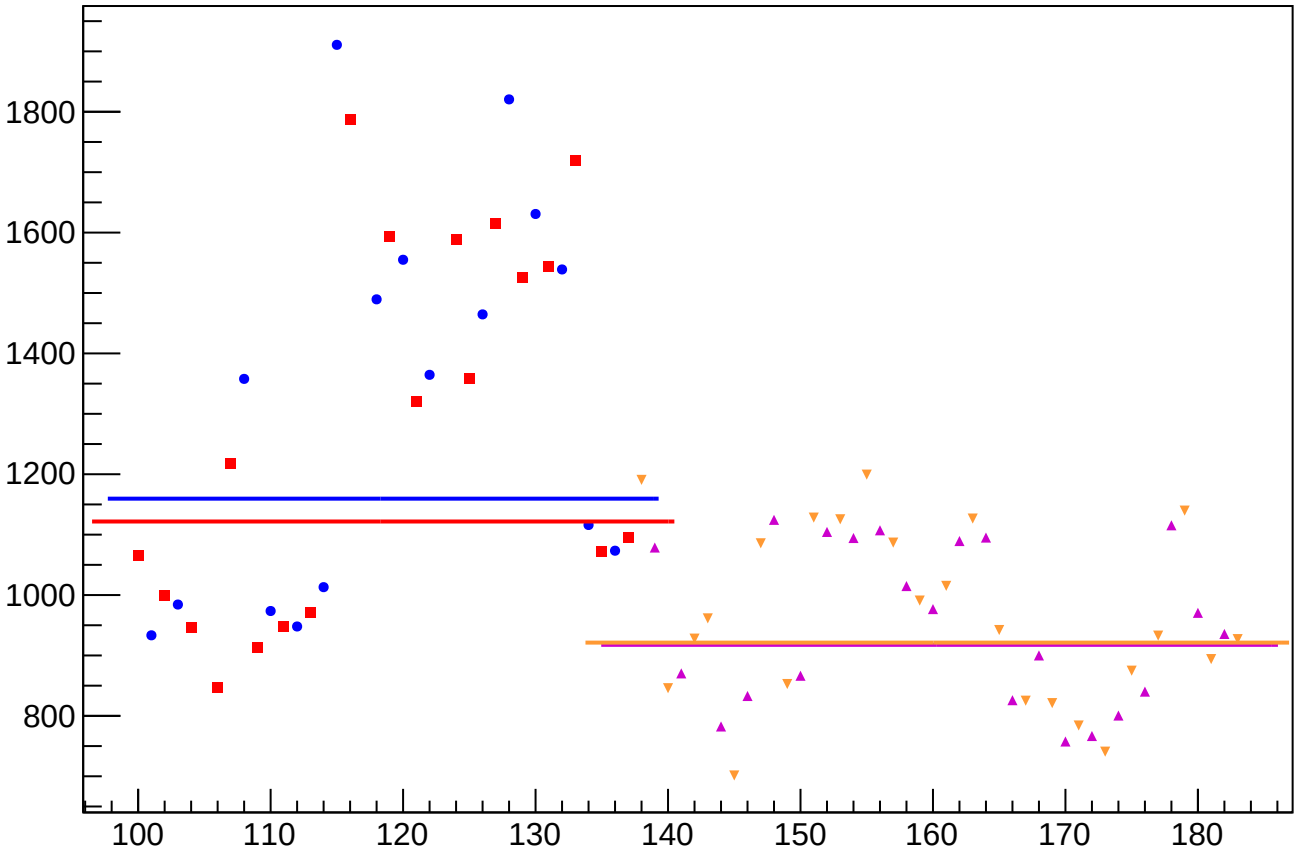
Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: -155.466+/-218.838 χ^2/NDF:22.5/21

+ sign -847.536+/-192.674 χ^2/NDF: 70.7/39

All: -604.899+/-136.837 χ^2/NDF: 115.0/80

- sign -357.967+/-194.371 χ^2/NDF: 41.1/40



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 921.283+/-0.151 χ^2/NDF:870259.5/23

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

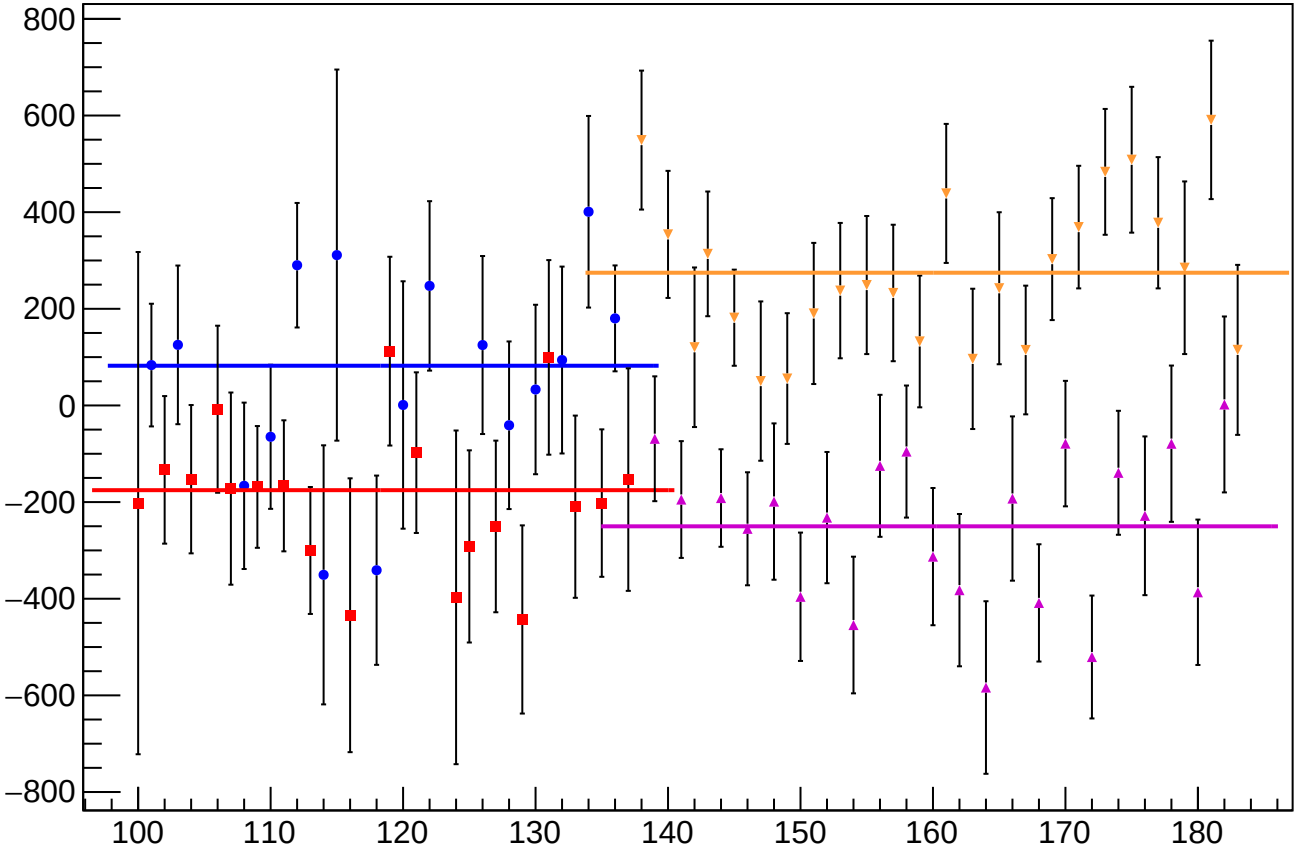
Left In: 917.576+/-0.155 χ^2/NDF:665145.4/21

+ sign 966.162+/-0.136 χ^2/NDF: 2021579.9/39

All: 963.445+/-0.097 χ^2/NDF: 3837334.2/80

- sign 960.679+/-0.137 χ^2/NDF: 1814951.4/40

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 274.663+/-28.611 χ^2/NDF:26.9/23

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

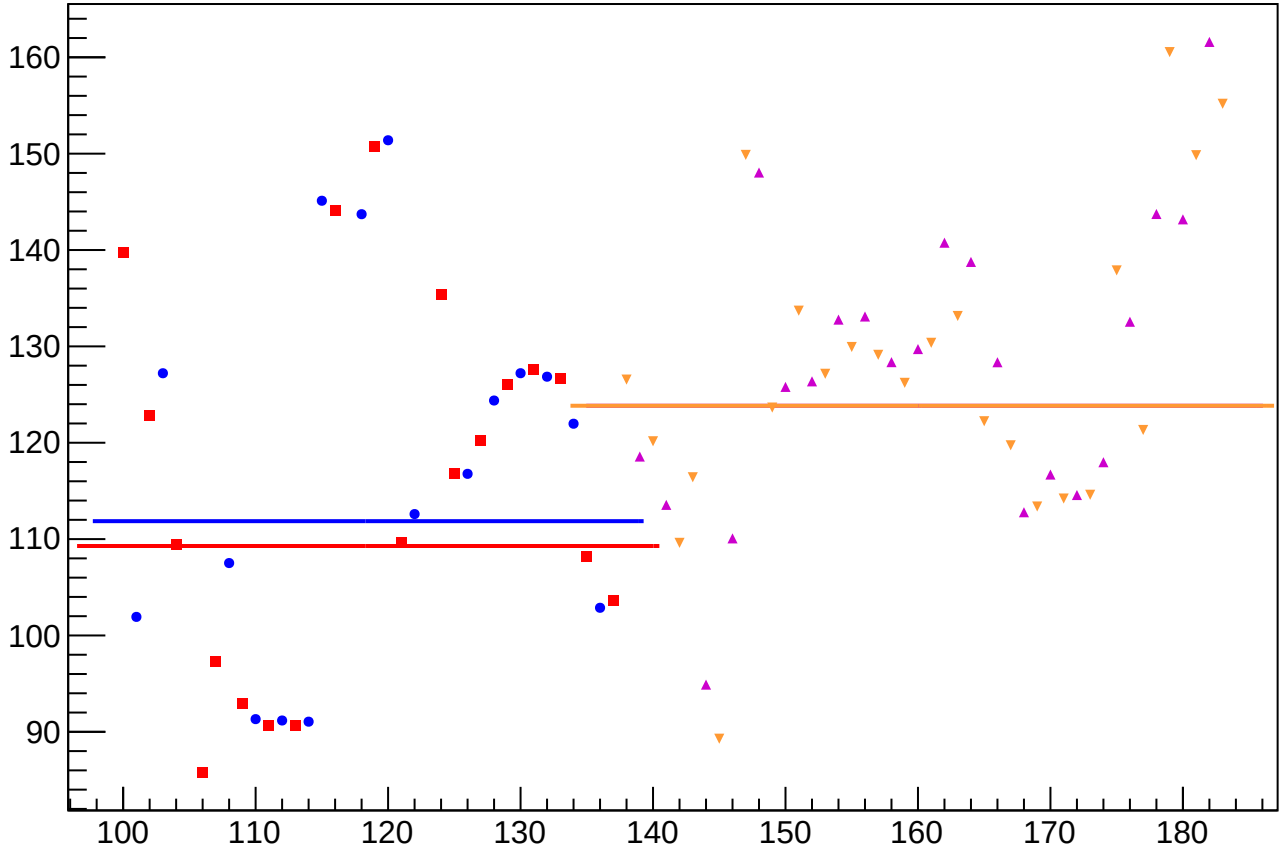
Left In: -250.155+/-29.438 χ^2/NDF:25.0/21

+ sign 213.919+/-23.669 χ^2/NDF: 59.6/39

All: -3.612+/-16.800 χ^2/NDF: 267.0/80

- sign -224.440+/-23.848 χ^2/NDF: 37.2/40

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.839+/-0.020 χ^2/NDF:598269.5/23

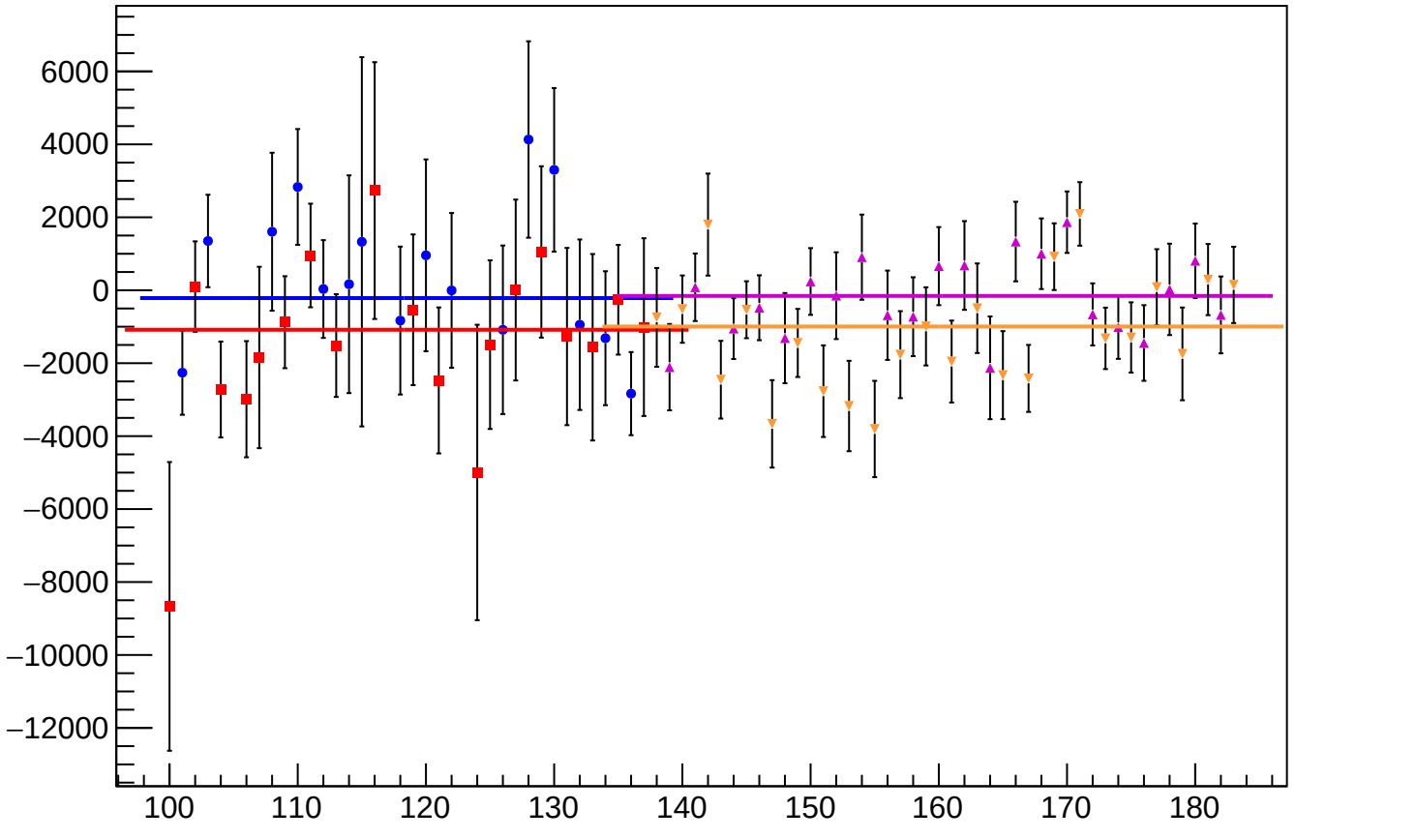
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 123.836+/-0.021 χ^2/NDF:508318.6/21

+ sign 120.059+/-0.017 χ^2/NDF: 1014907.1/39

All: 119.451+/-0.012 χ^2/NDF: 2064562.9/80

- sign 118.834+/-0.017 χ^2/NDF: 1046997.1/40



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -994.498+/-213.864 χ^2/NDF:47.8/23

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

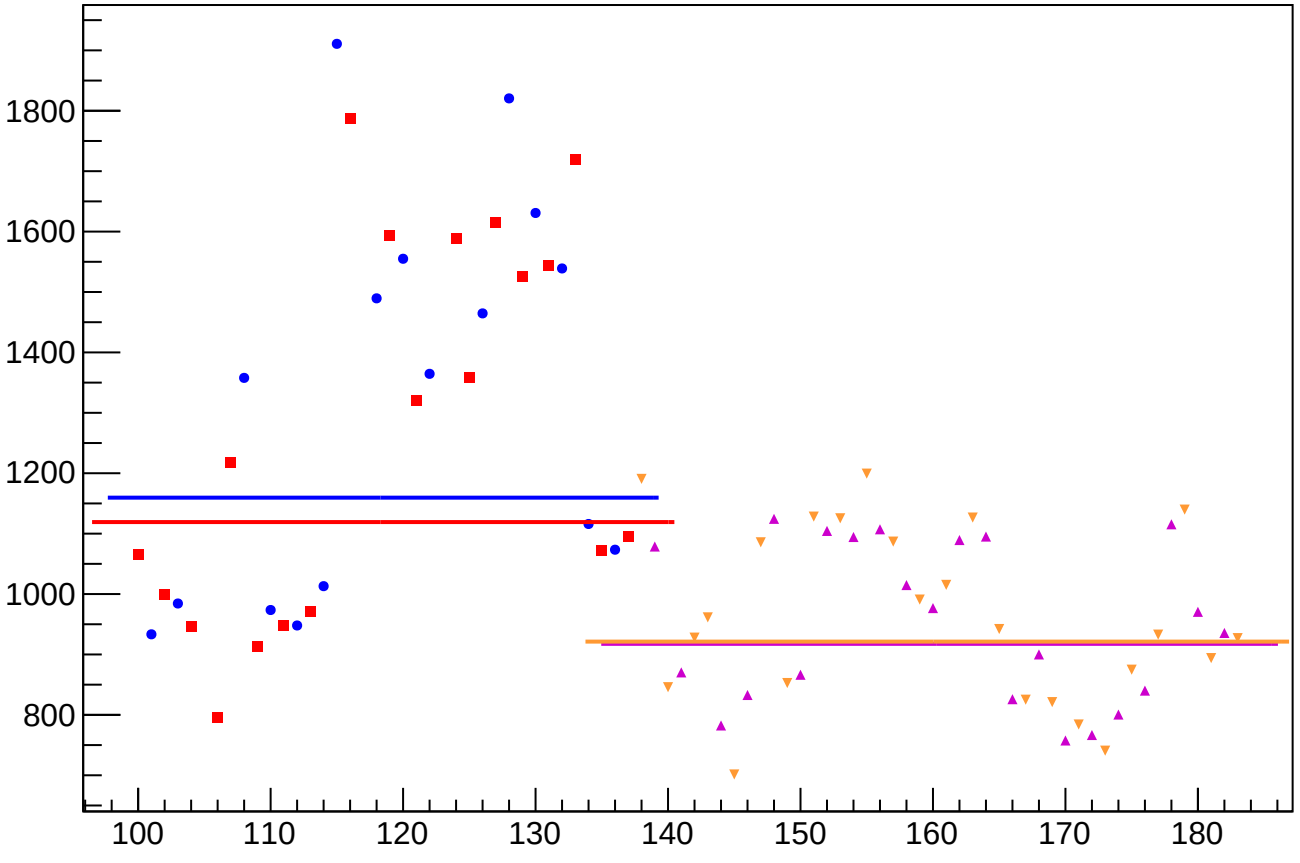
Left In: -155.469+/-218.838 χ^2/NDF:22.5/21

+ sign -847.549+/-192.674 χ^2/NDF: 70.7/39

All: -601.513+/-136.862 χ^2/NDF: 114.2/80

- sign -350.940+/-194.442 χ^2/NDF: 40.2/40

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 921.283+/-0.151 χ^2/NDF:870259.8/23

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

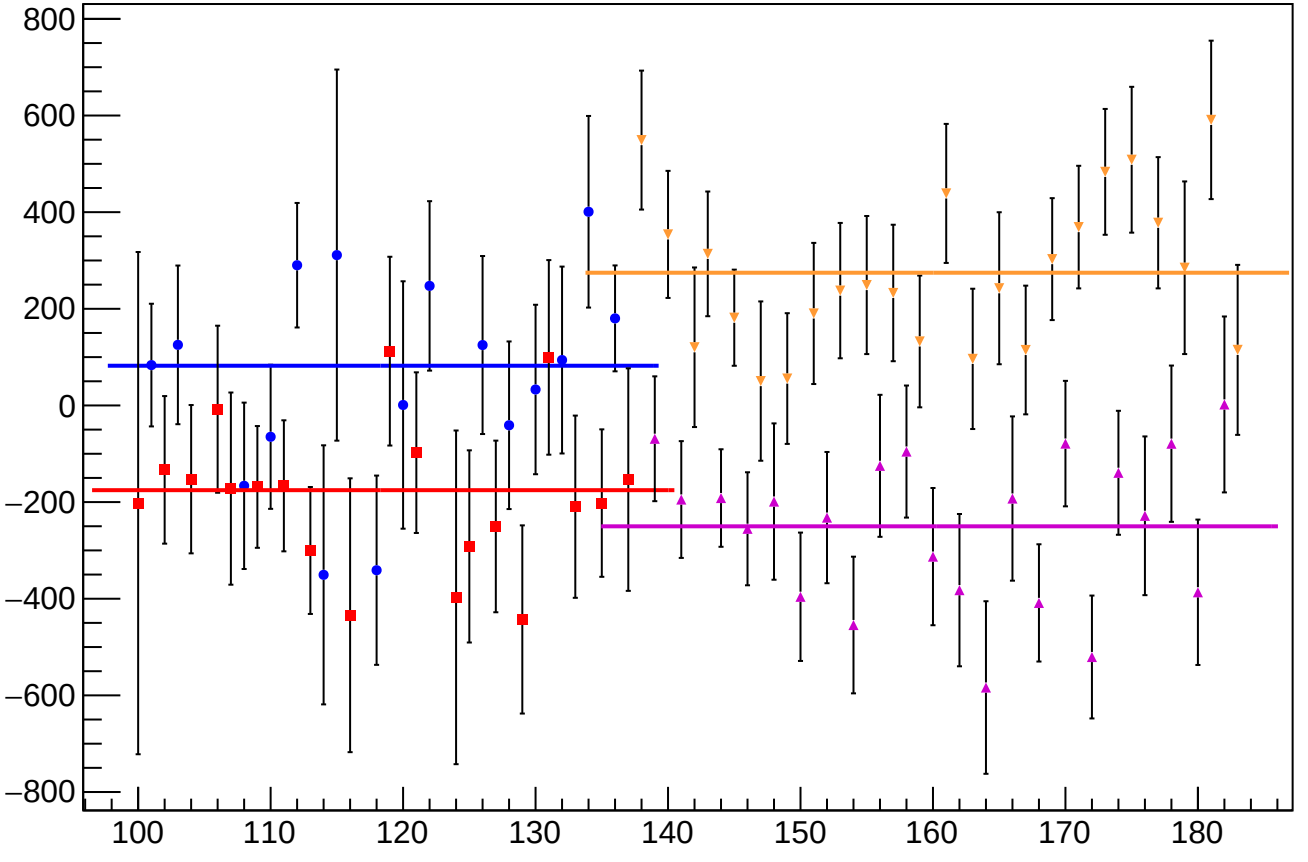
Left In: 917.576+/-0.155 χ^2/NDF:665146.6/21

+ sign 966.164+/-0.136 χ^2/NDF: 2021581.6/39

All: 963.117+/-0.097 χ^2/NDF: 3848156.2/80

- sign 960.014+/-0.137 χ^2/NDF: 1825565.3/40

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 274.663+/-28.611 χ^2/NDF:26.9/23

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

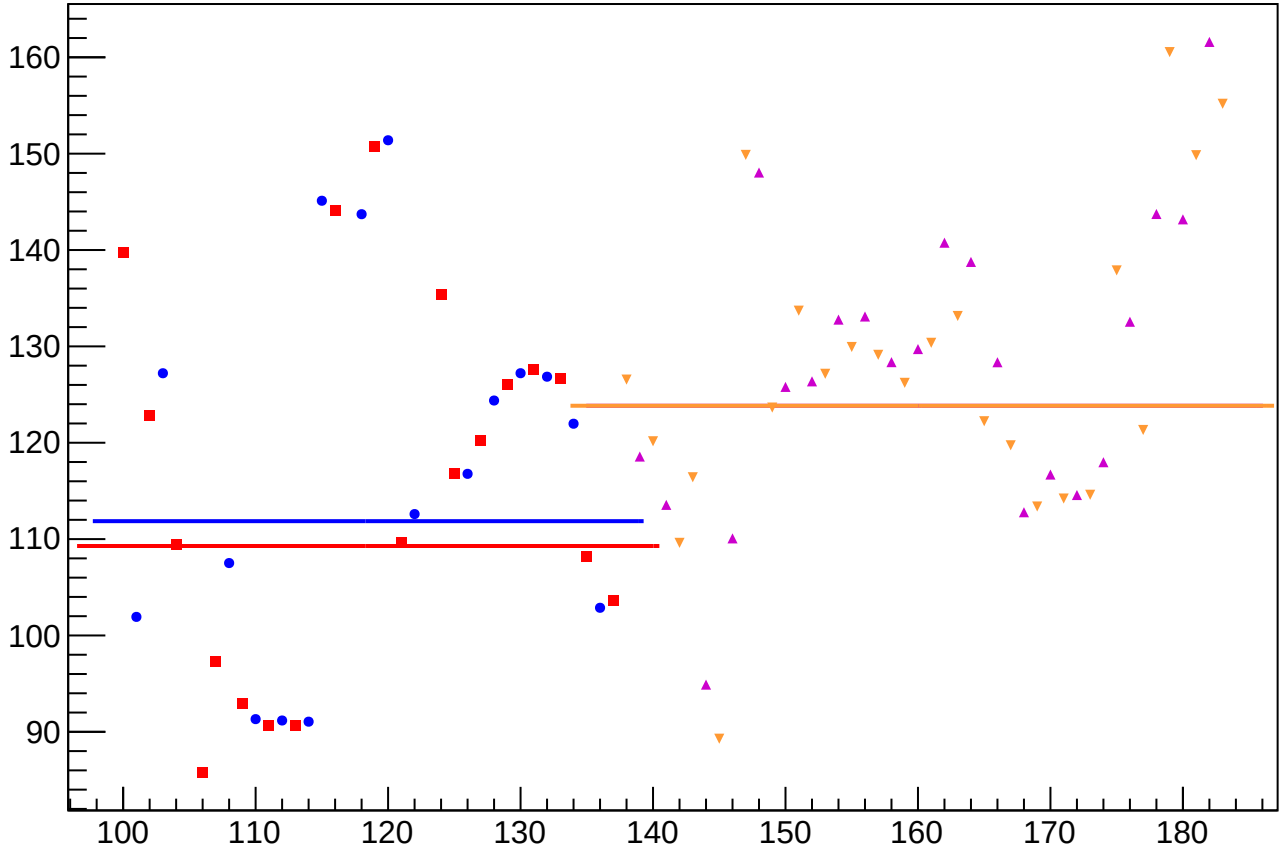
Left In: -250.155+/-29.438 χ^2/NDF:25.0/21

+ sign 213.919+/-23.669 χ^2/NDF: 59.6/39

All: -3.612+/-16.800 χ^2/NDF: 267.0/80

- sign -224.440+/-23.848 χ^2/NDF: 37.2/40

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.839+/-0.020 χ^2/NDF:598269.5/23

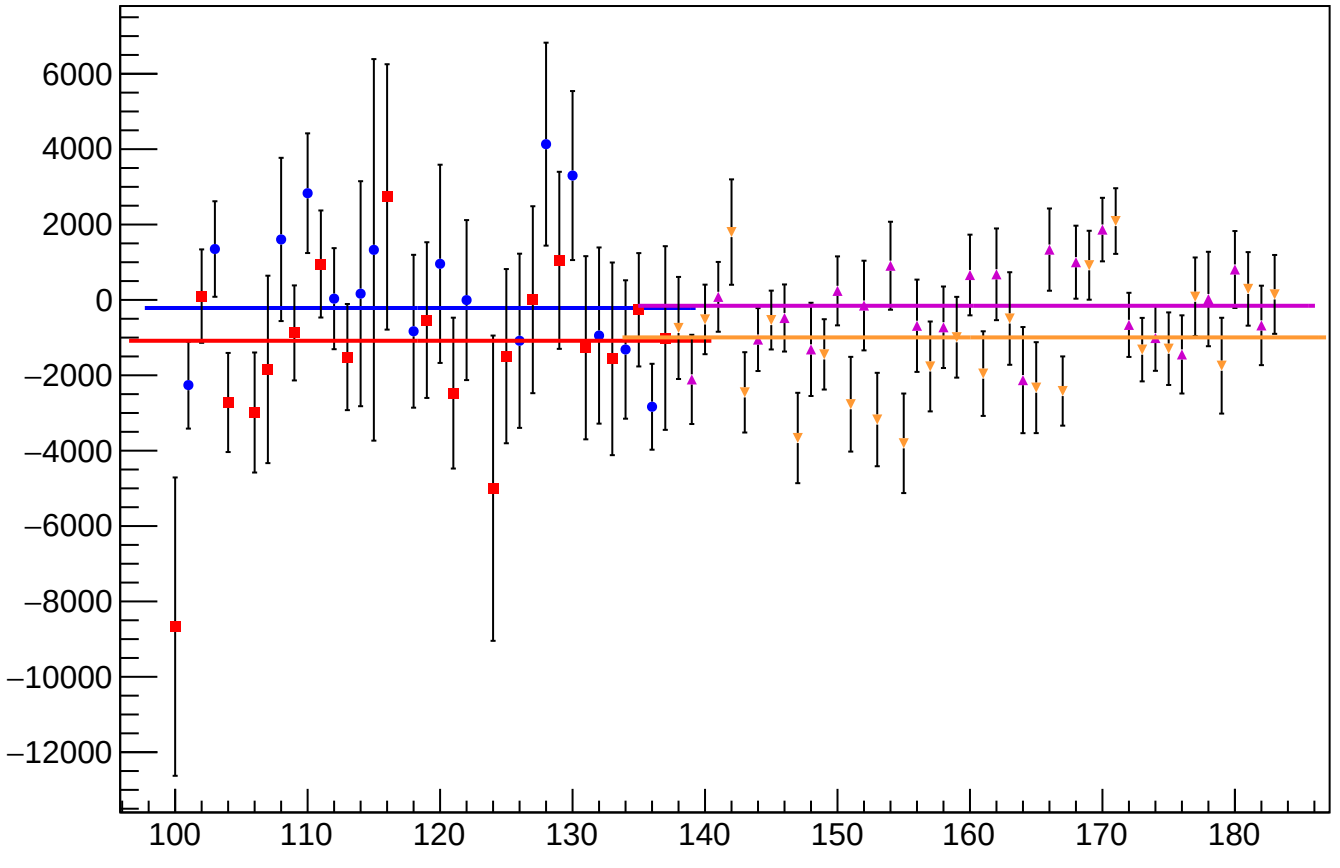
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 123.836+/-0.021 χ^2/NDF:508318.6/21

+ sign 120.059+/-0.017 χ^2/NDF: 1014907.1/39

All: 119.451+/-0.012 χ^2/NDF: 2064562.9/80

- sign 118.834+/-0.017 χ^2/NDF: 1046997.1/40



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -994.498+/-213.864 χ^2/NDF:47.8/23

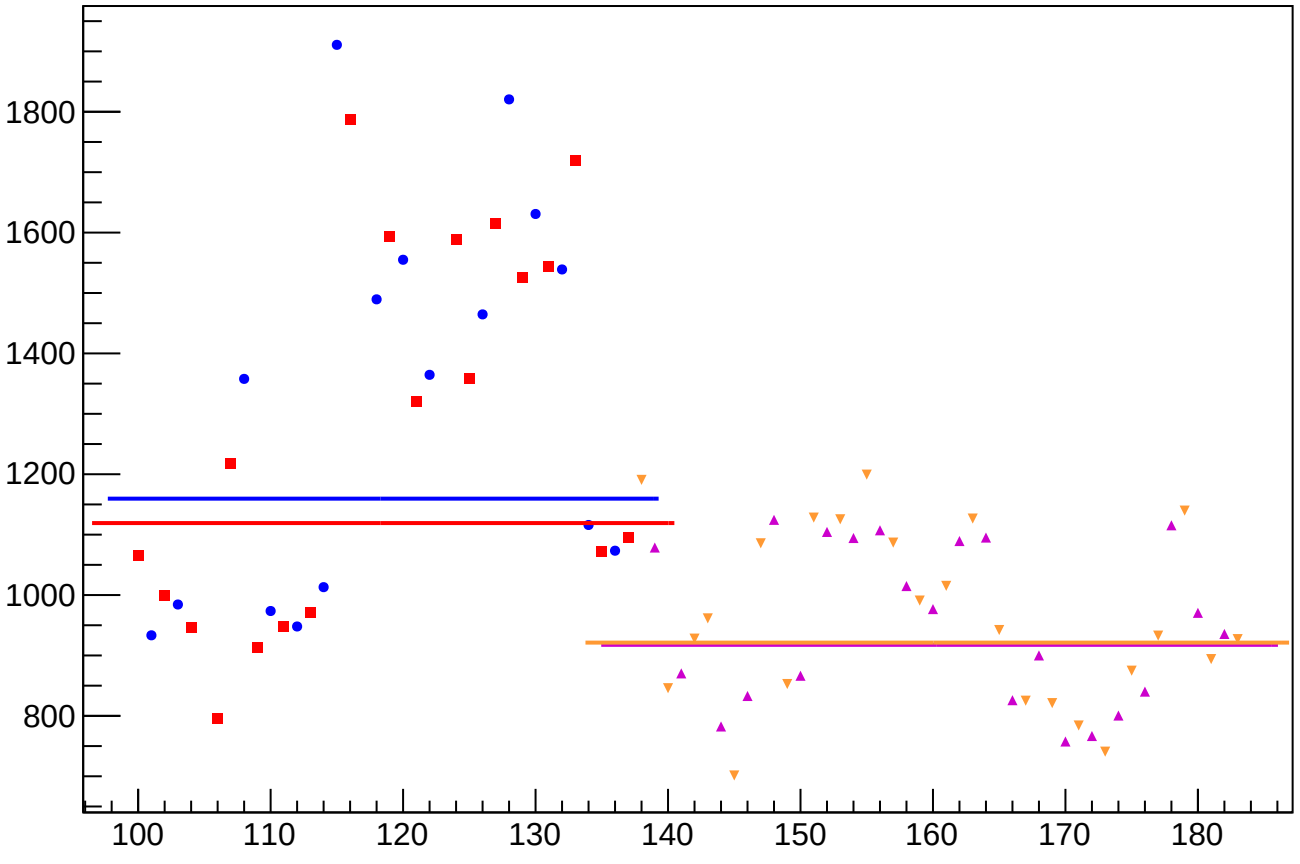
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -155.469+/-218.838 χ^2/NDF:22.5/21

+ sign -847.549+/-192.674 χ^2/NDF: 70.7/39

All: -601.513+/-136.862 χ^2/NDF: 114.2/80

- sign -350.940+/-194.442 χ^2/NDF: 40.2/40



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 921.283+/-0.151 χ^2/NDF:870259.8/23

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

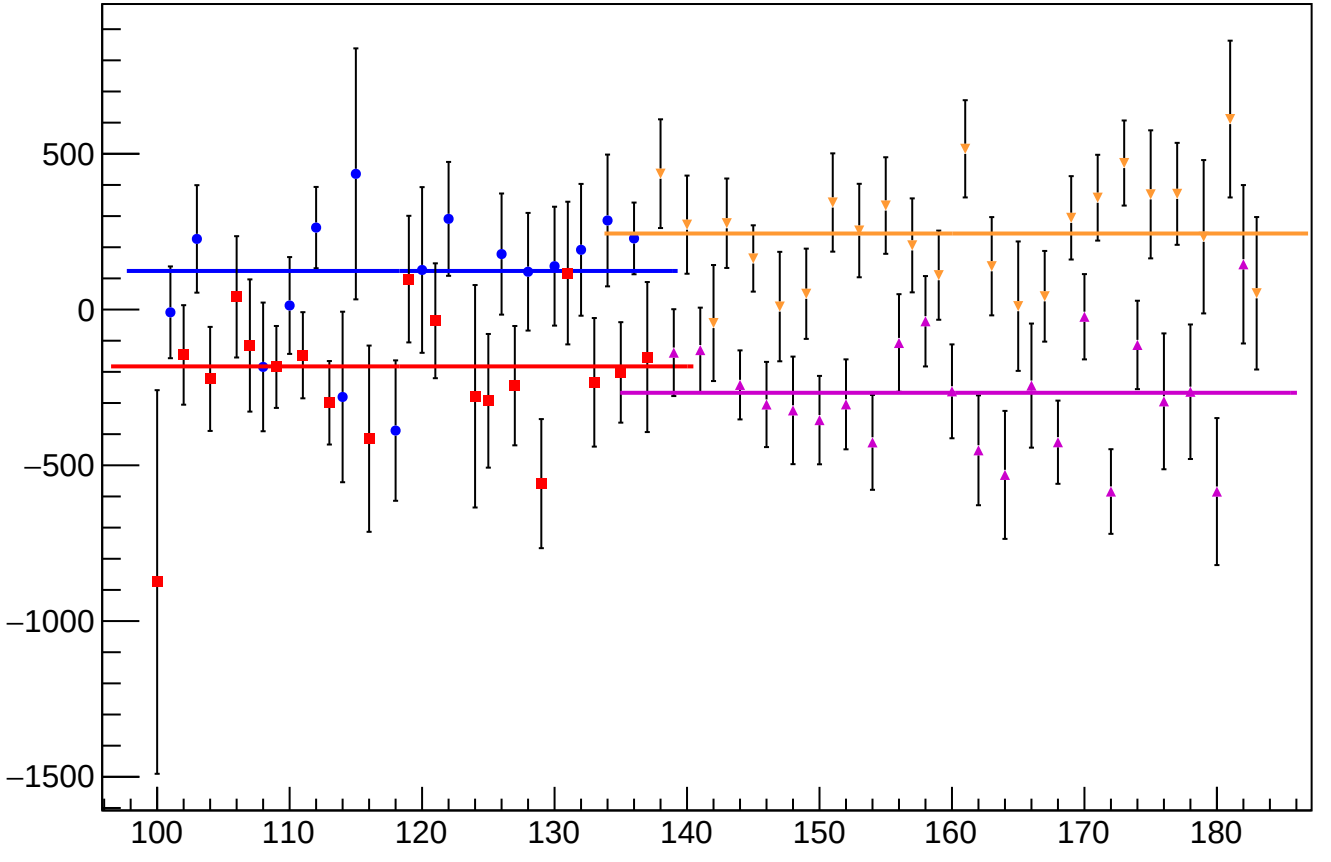
Left In: 917.576+/-0.155 χ^2/NDF:665146.6/21

+ sign 966.164+/-0.136 χ^2/NDF: 2021581.6/39

All: 963.117+/-0.097 χ^2/NDF: 3848156.2/80

- sign 960.014+/-0.137 χ^2/NDF: 1825565.3/40

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 244.117+/-32.249 χ^2/NDF:23.4/23

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

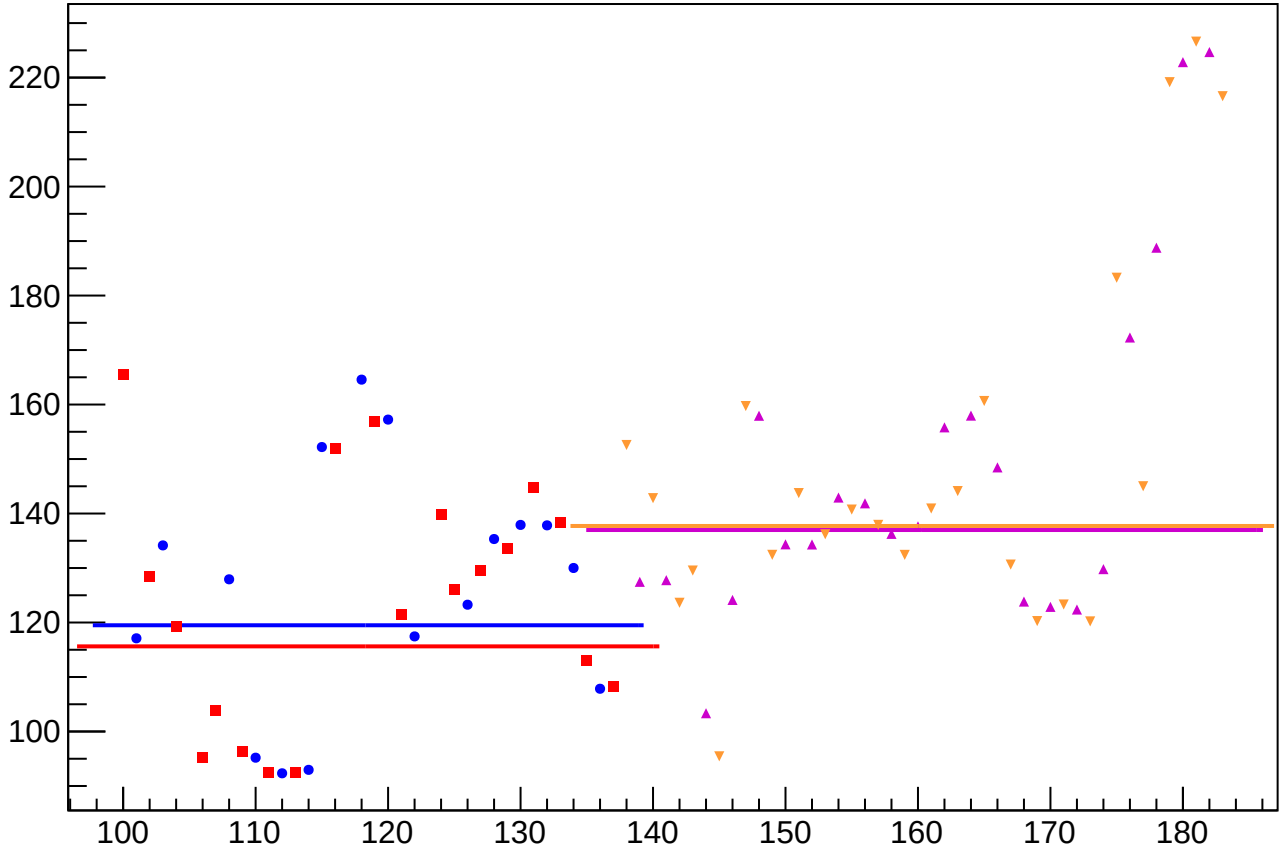
Left In: -267.193+/-33.021 χ^2/NDF:25.6/21

+ sign 203.606+/-26.260 χ^2/NDF: 43.6/39

All: -16.347+/-18.561 χ^2/NDF: 224.1/80

- sign -235.969+/-26.240 χ^2/NDF: 40.3/40

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 137.716+/-0.023 χ^2/NDF:1290954.0/23

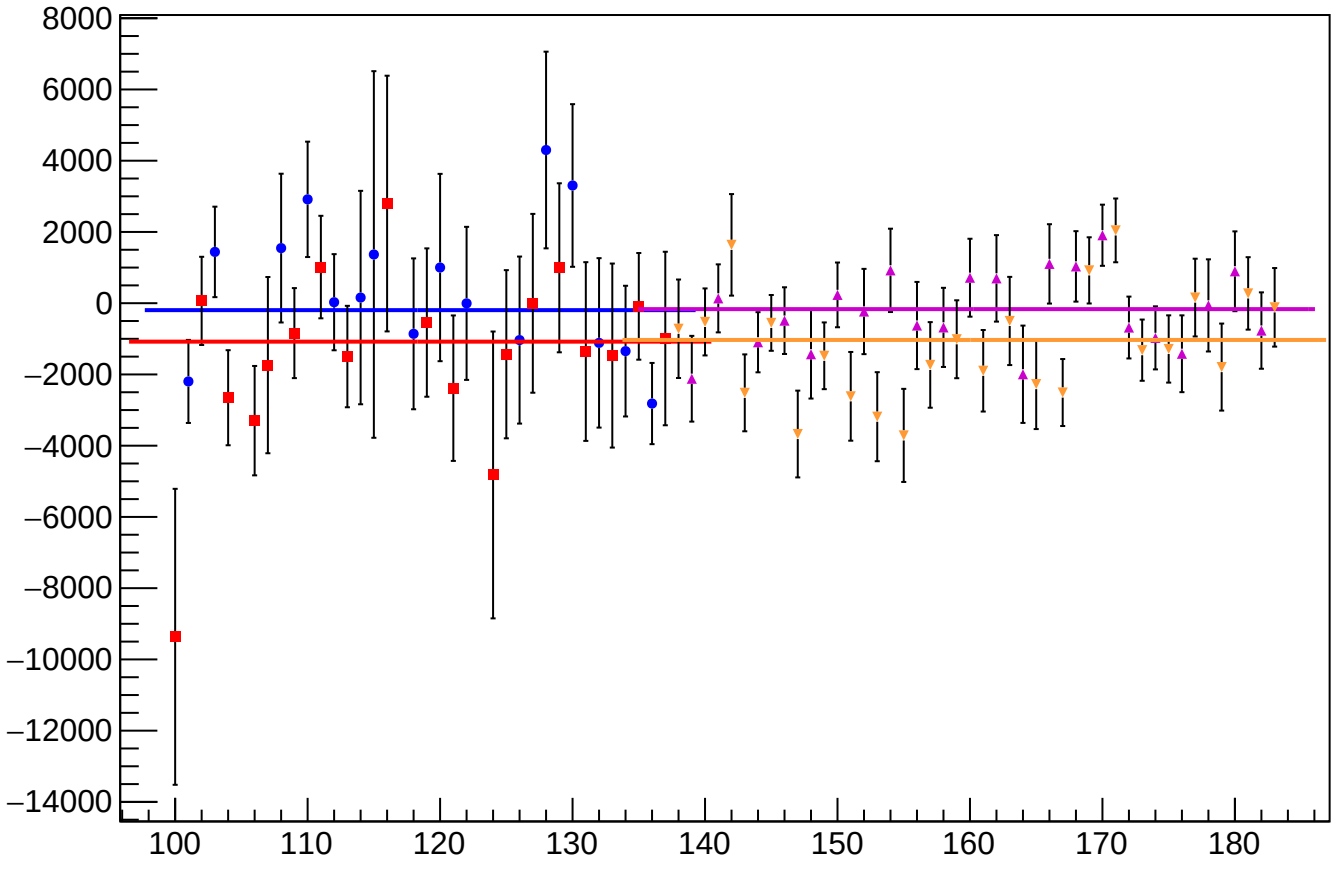
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 136.974+/-0.023 χ^2/NDF:1045646.4/21

+ sign 131.576+/-0.019 χ^2/NDF: 1886356.9/39

All: 130.340+/-0.013 χ^2/NDF: 3676015.3/80

- sign 129.105+/-0.019 χ^2/NDF: 1780794.7/40



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1031.601+/-217.169 χ^2/NDF:44.7/23

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

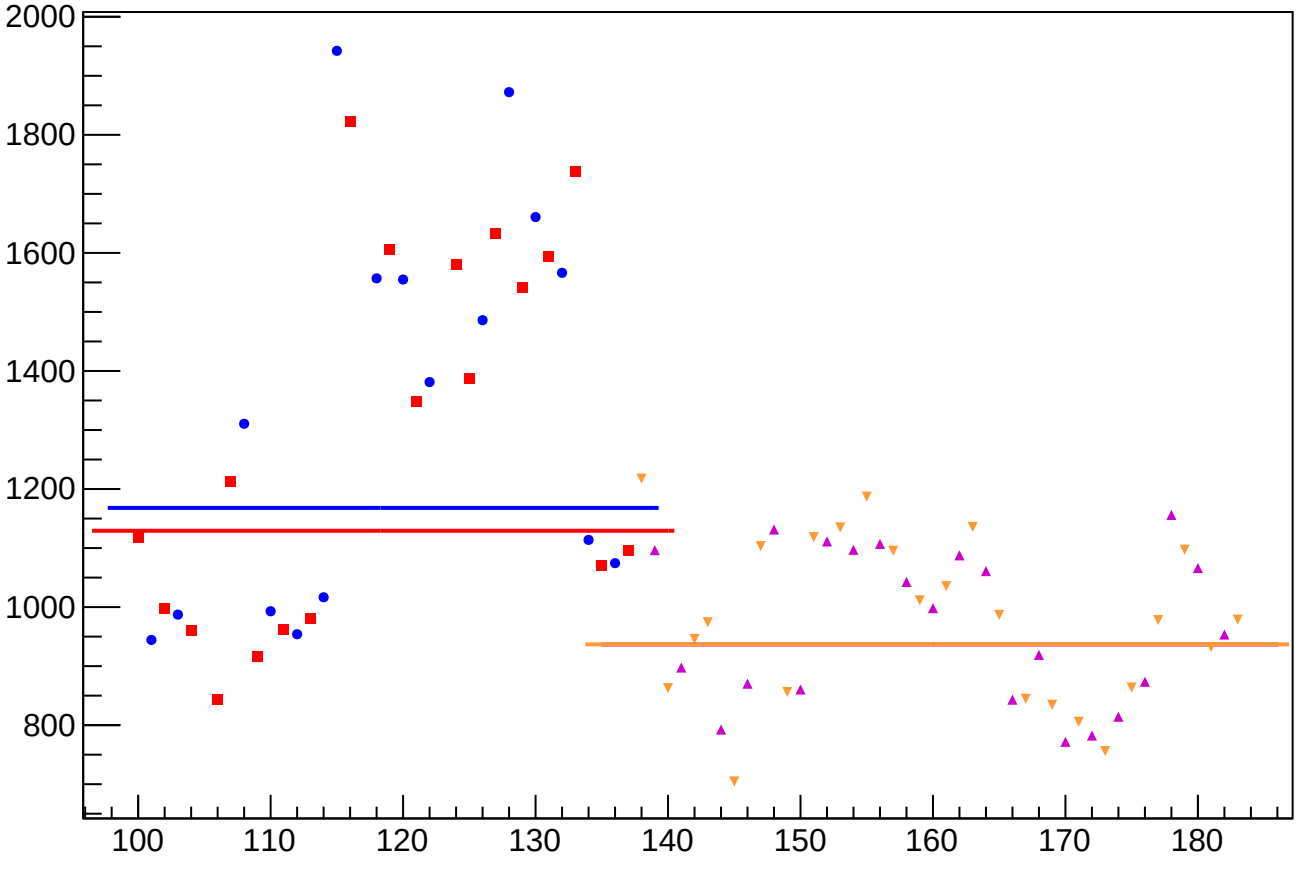
Left In: -166.424+/-223.286 χ^2/NDF:21.8/21

+ sign -872.050+/-195.364 χ^2/NDF: 67.9/39

All: -620.739+/-138.983 χ^2/NDF: 111.3/80

- sign -363.222+/-197.761 χ^2/NDF: 40.0/40

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 936.831+/-0.154 χ^2/NDF:832425.9/23

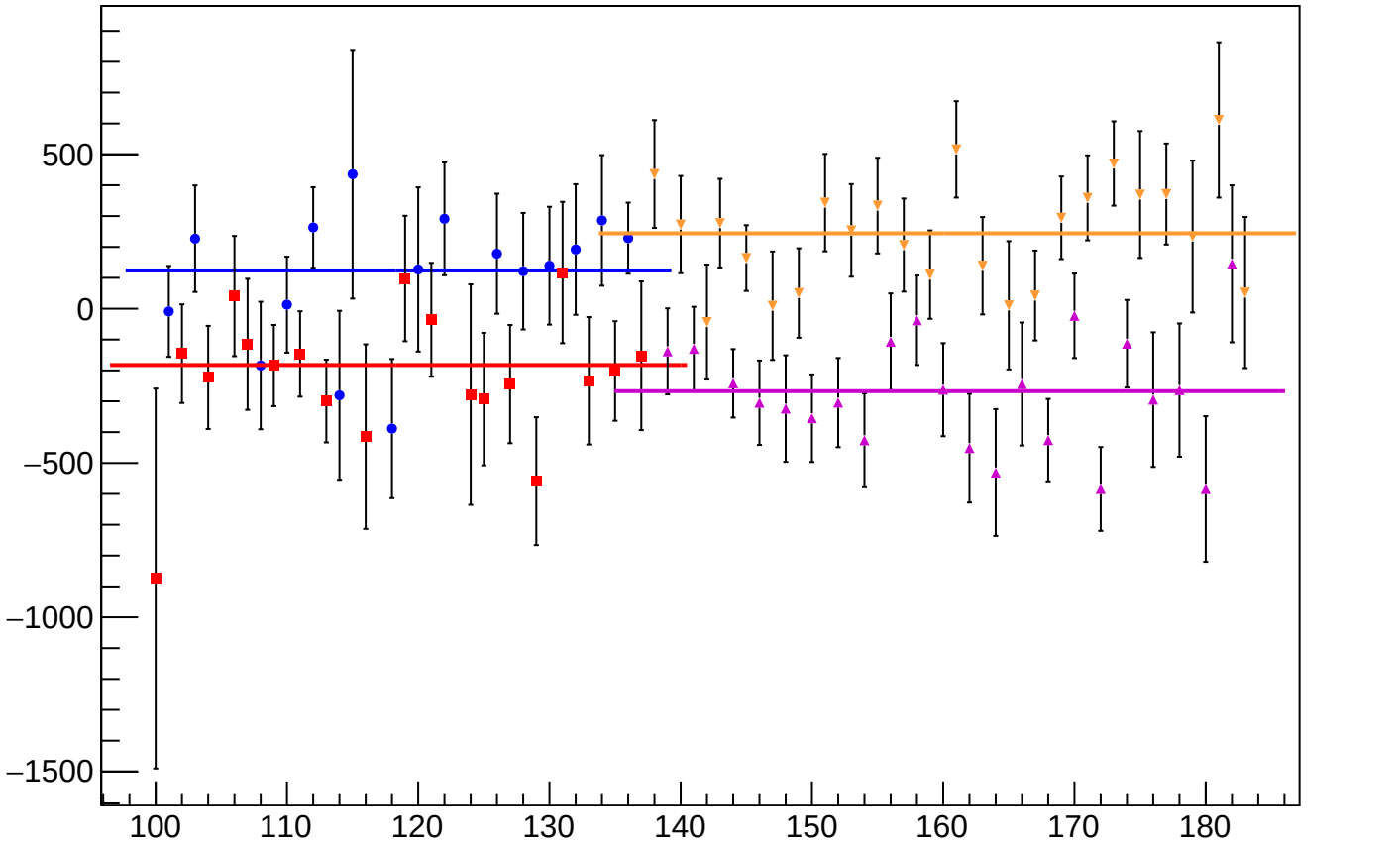
Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 936.615+/-0.158 χ^2/NDF:642620.0/21

+ sign 980.935+/-0.138 χ^2/NDF: 1974257.0/39

All: 979.561+/-0.098 χ^2/NDF: 3745400.7/80

- sign 978.154+/-0.140 χ^2/NDF: 1770943.6/40



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 244.119+/-32.249 χ^2/NDF:23.4/23

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

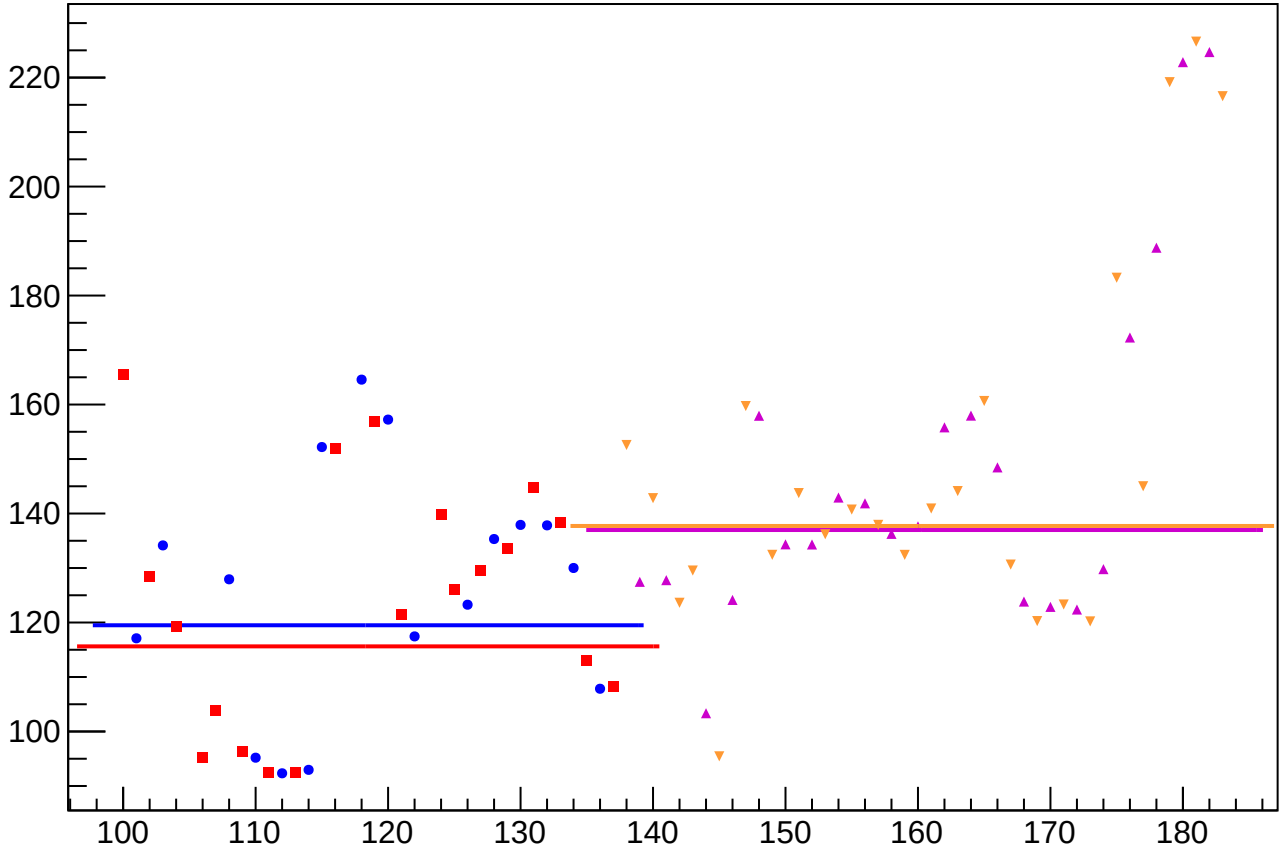
Left In: -267.194+/-33.021 χ^2/NDF:25.6/21

+ sign 203.609+/-26.260 χ^2/NDF: 43.6/39

All: -16.347+/-18.561 χ^2/NDF: 224.1/80

- sign -235.970+/-26.240 χ^2/NDF: 40.3/40

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 137.716+/-0.023 χ^2/NDF:1290959.4/23

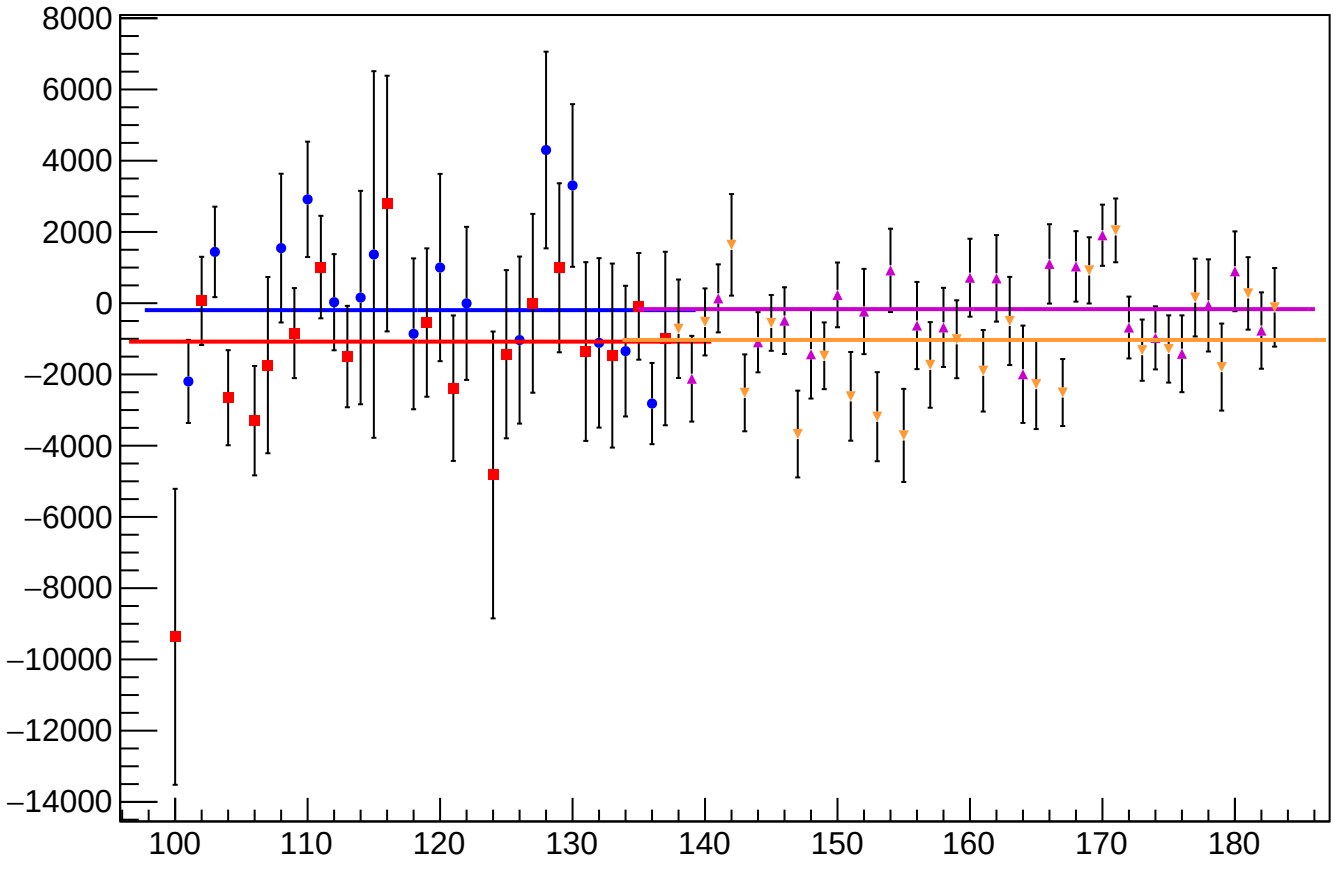
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 136.974+/-0.023 χ^2/NDF:1045631.4/21

+ sign 131.576+/-0.019 χ^2/NDF: 1886365.2/39

All: 130.340+/-0.013 χ^2/NDF: 3676014.7/80

- sign 129.105+/-0.019 χ^2/NDF: 1780785.4/40



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1031.599+/-217.169 χ^2/NDF:44.7/23

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

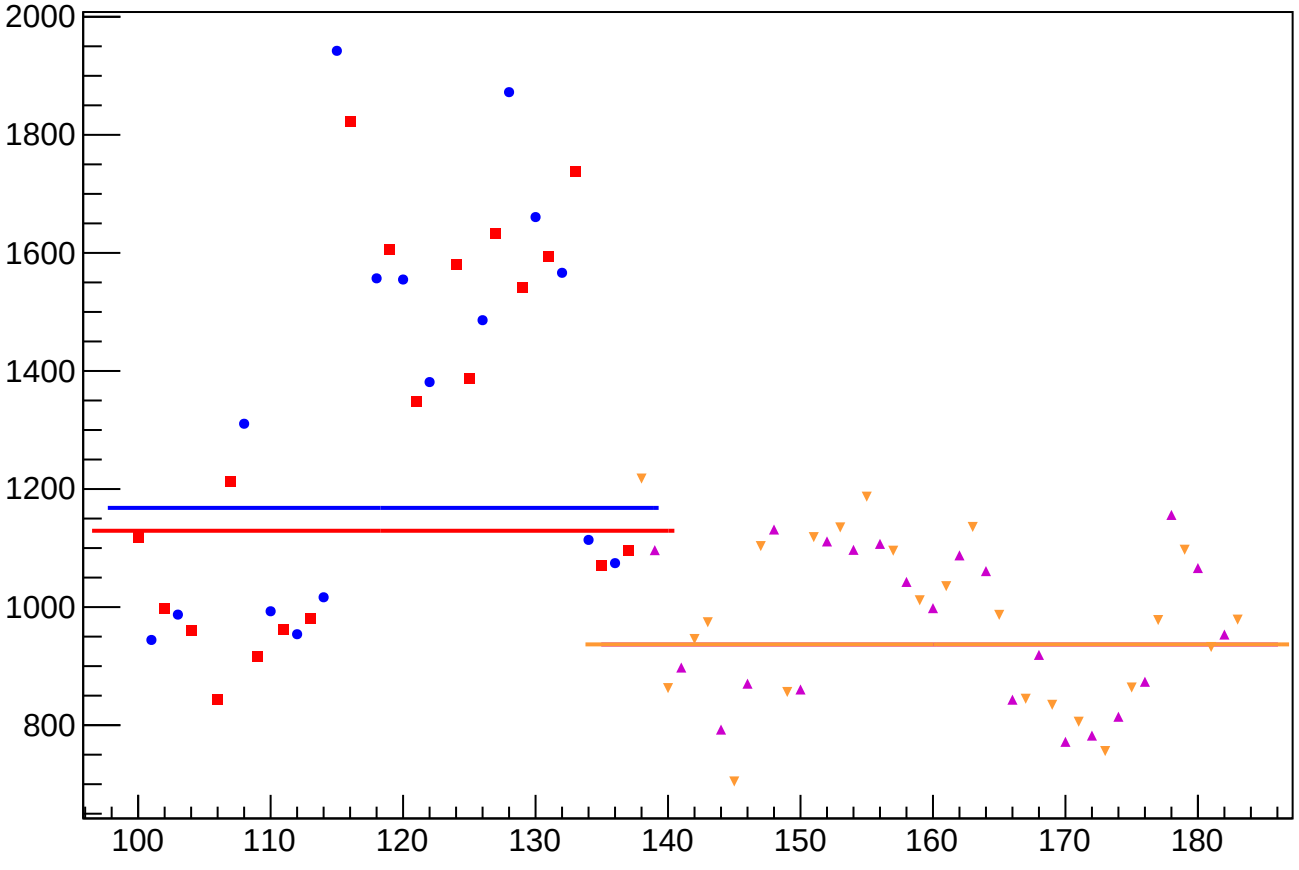
Left In: -166.423+/-223.285 χ^2/NDF:21.8/21

\+ sign -872.049+/-195.364 χ^2/NDF: 67.9/39

All: -620.738+/-138.983 χ^2/NDF: 111.3/80

\- sign -363.221+/-197.761 χ^2/NDF: 40.0/40

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 936.830+/-0.154 χ^2/NDF:832428.6/23

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

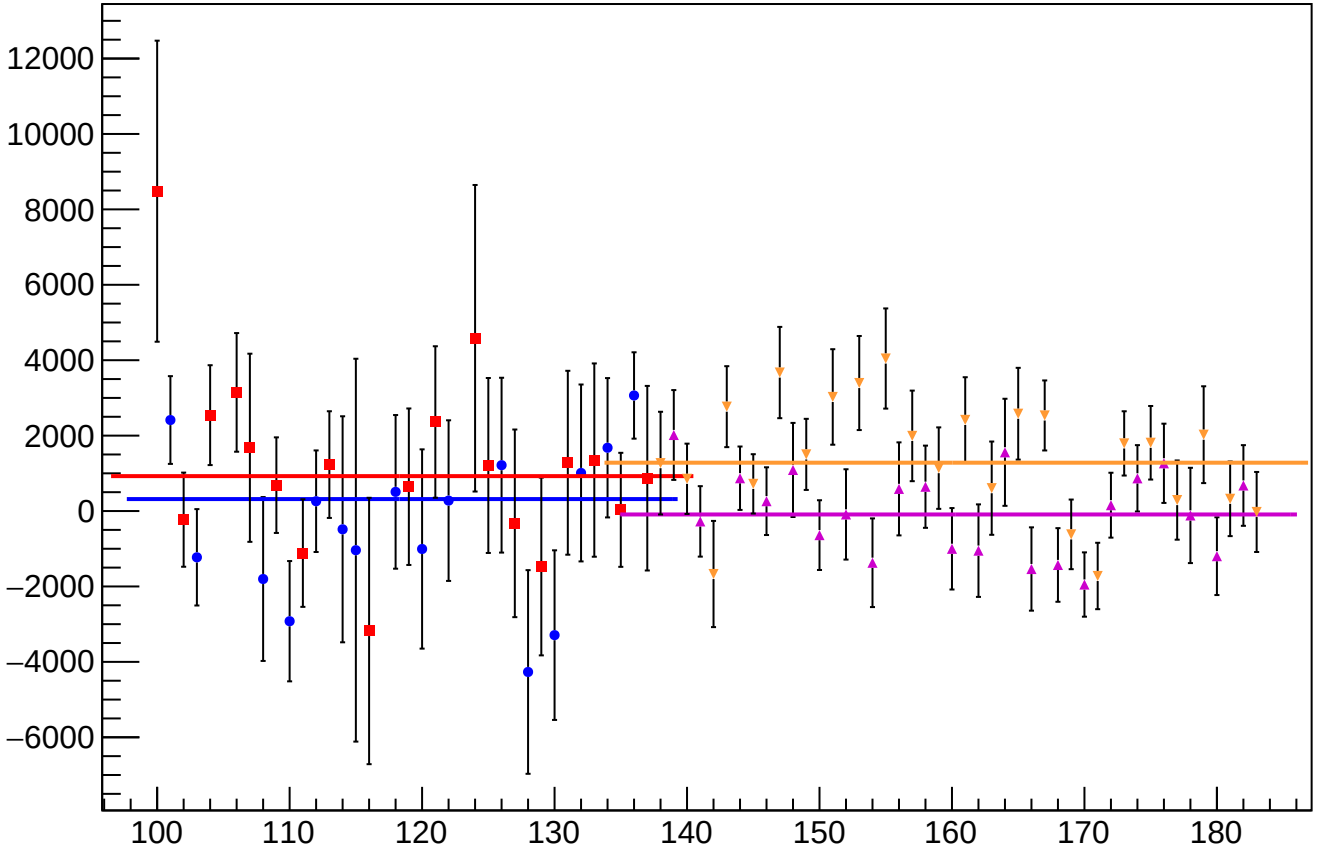
Left In: 936.614+/-0.158 χ^2/NDF:642618.6/21

\+ sign 980.934+/-0.138 χ^2/NDF: 1974265.4/39

All: 979.560+/-0.098 χ^2/NDF: 3745411.5/80

\- sign 978.153+/-0.140 χ^2/NDF: 1770945.9/40

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1282.053+/-215.923 χ^2/NDF:44.9/23

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

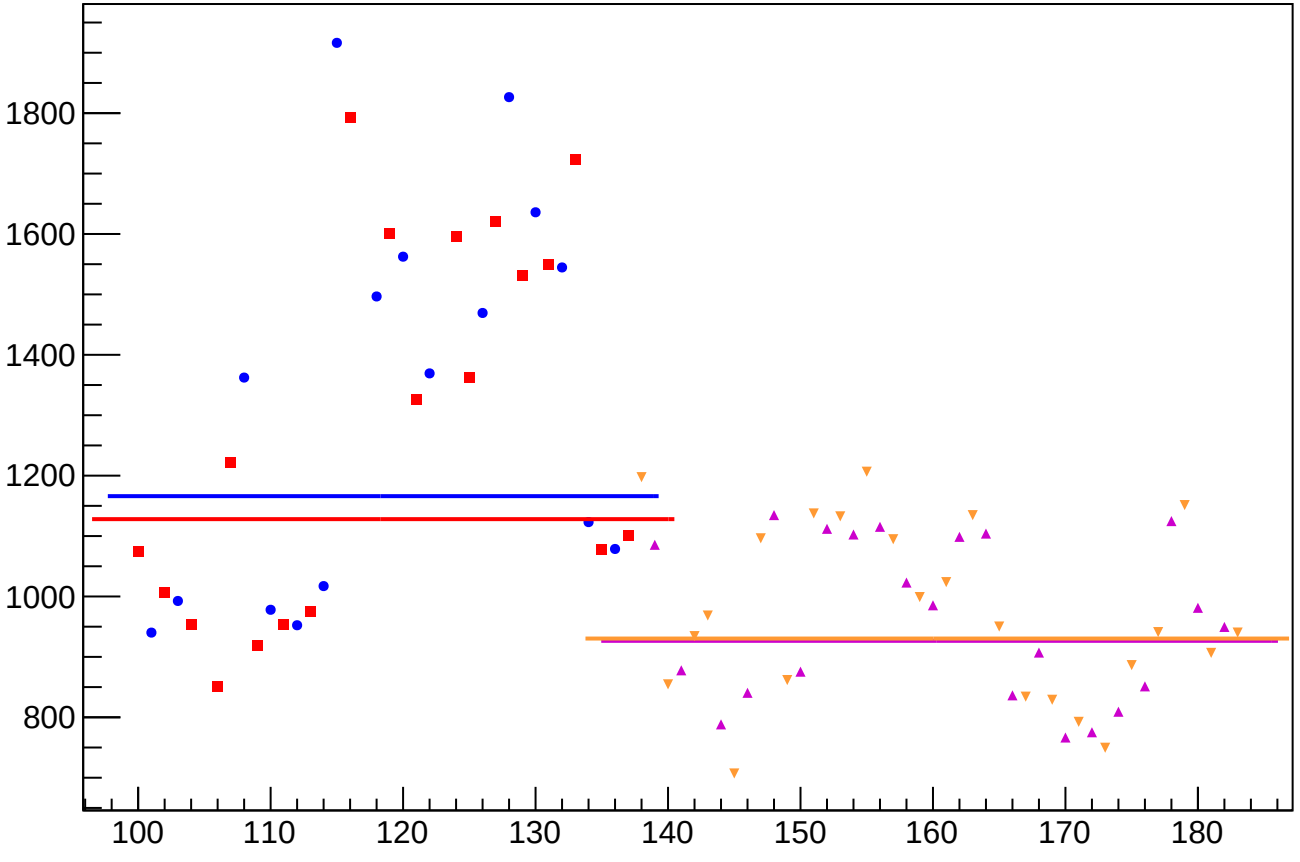
Left In: -90.777+/-220.945 χ^2/NDF:23.4/21

+ sign 1099.106+/-194.373 χ^2/NDF: 70.9/39

All: 616.420+/-138.041 χ^2/NDF: 125.8/80

- sign 125.239+/-196.076 χ^2/NDF: 42.5/40

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 930.369+/-0.153 χ^2/NDF:858082.8/23

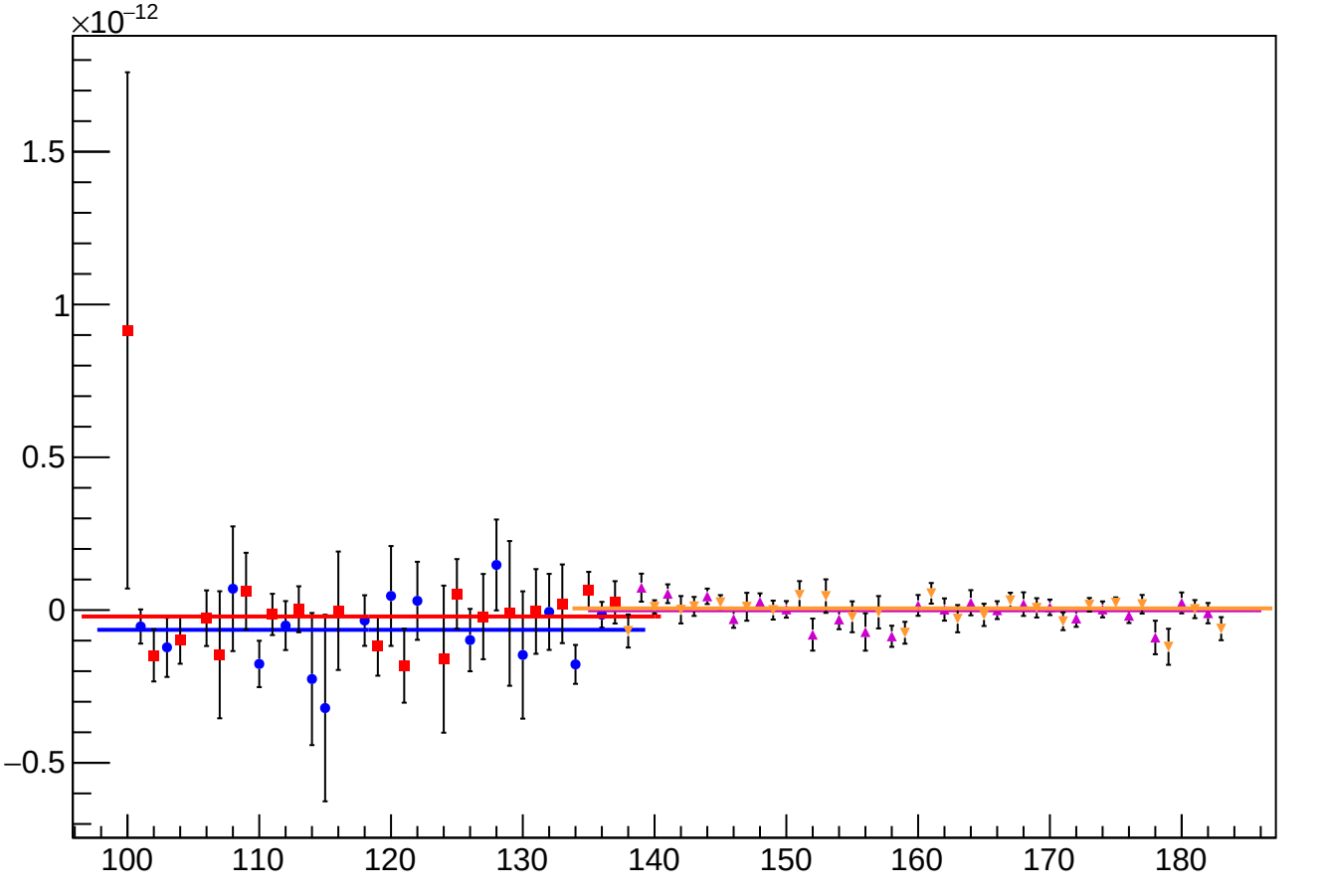
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 926.590+/-0.156 χ^2/NDF:655084.0/21

+ sign 975.066+/-0.137 χ^2/NDF: 1987048.5/39

All: 972.248+/-0.098 χ^2/NDF: 3771846.7/80

- sign 969.380+/-0.139 χ^2/NDF: 1783949.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

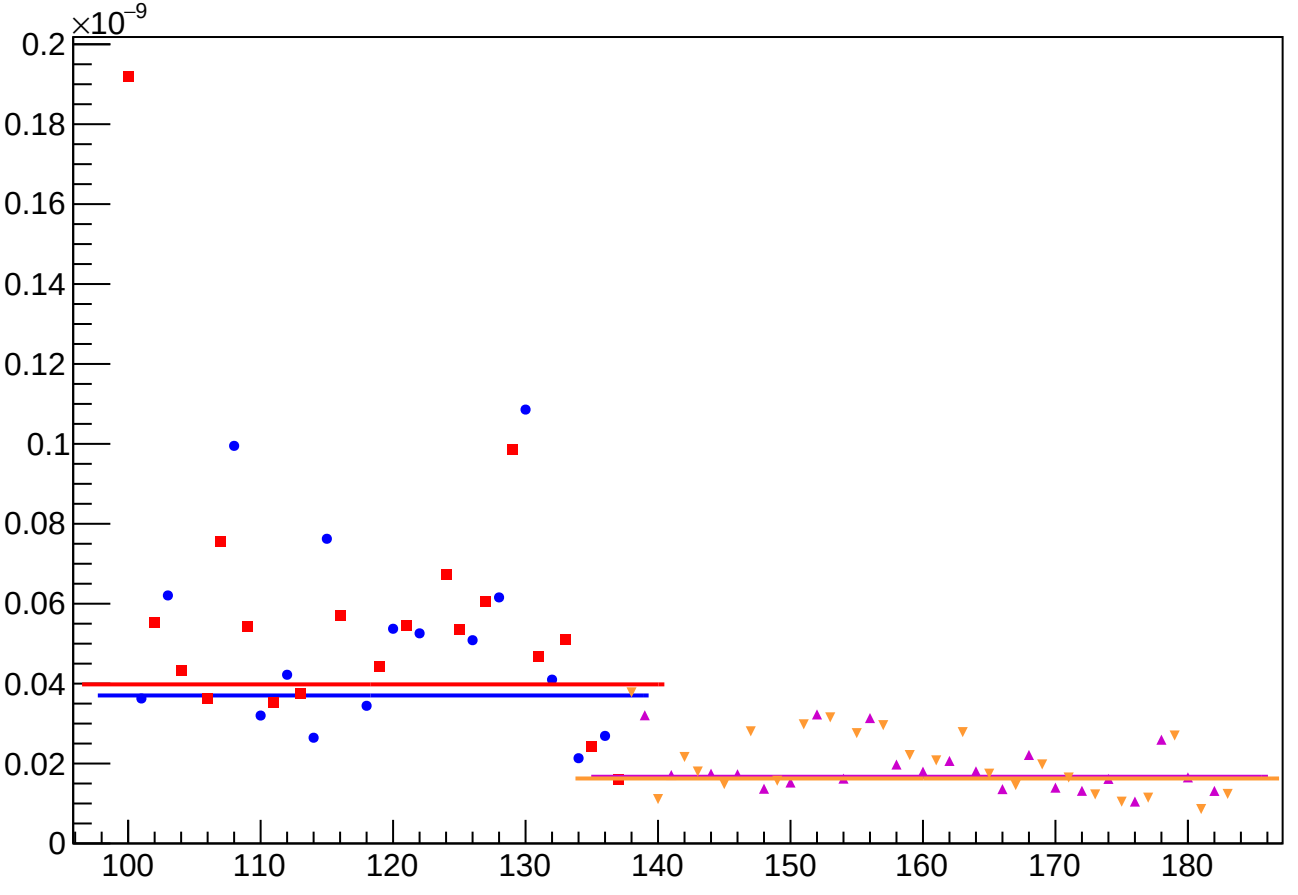
Left In: -0.000+/-0.000 χ^2/NDF:27.2/21

+ sign -0.000+/-0.000 χ^2/NDF: 47.0/39

All: -0.000+/-0.000 χ^2/NDF: 86.5/80

- sign -0.000+/-0.000 χ^2/NDF: 39.5/40

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1988663.6/23

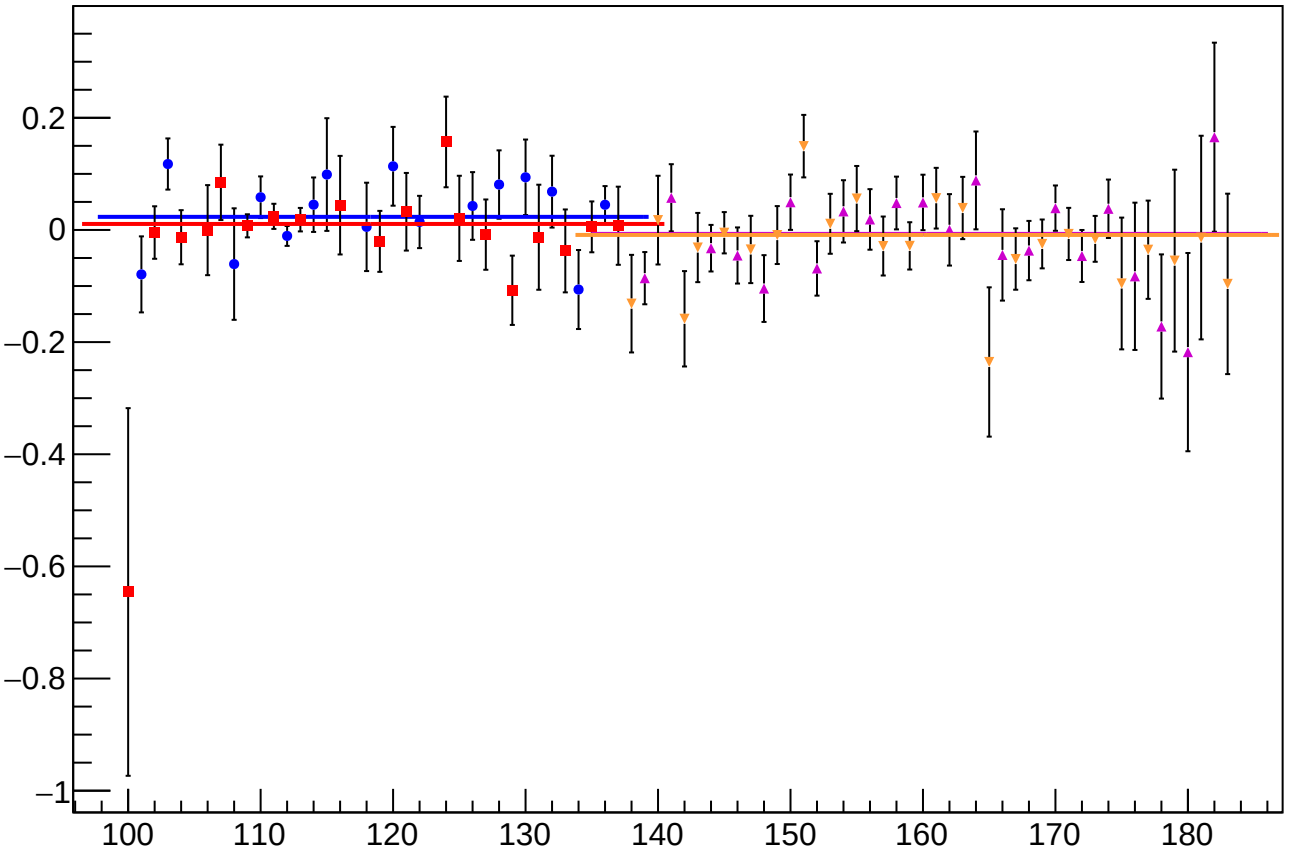
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:927477.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 4649885.2/39

All: 0.000+/-0.000 χ^2/NDF: 8331544.6/80

- sign 0.000+/-0.000 χ^2/NDF: 3672291.3/40



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:22.2/23

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

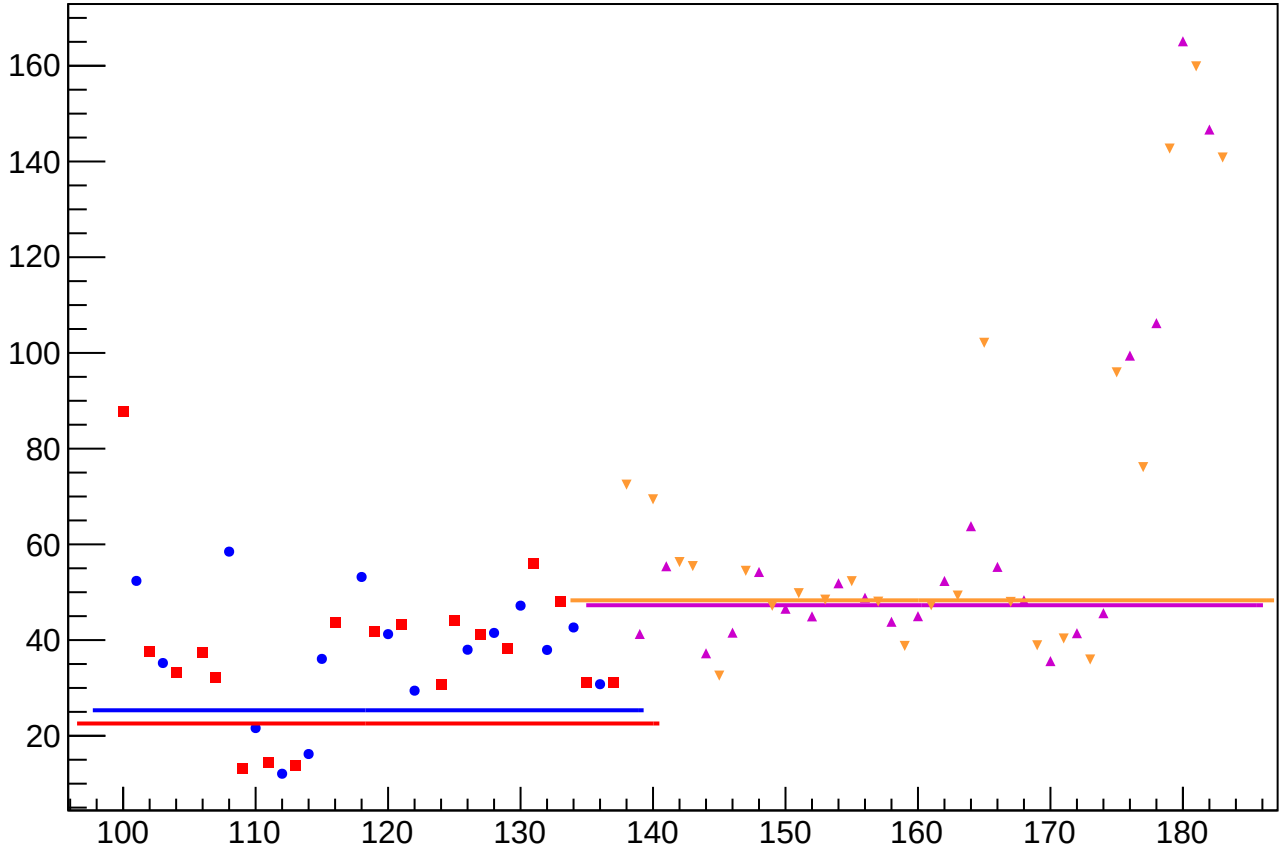
Left In: -0.007+/-0.012 χ^2/NDF:22.9/21

+ sign 0.009+/-0.008 χ^2/NDF: 46.9/39

All: 0.006+/-0.006 χ^2/NDF: 85.5/80

- sign 0.004+/-0.008 χ^2/NDF: 38.5/40

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127745.1/23

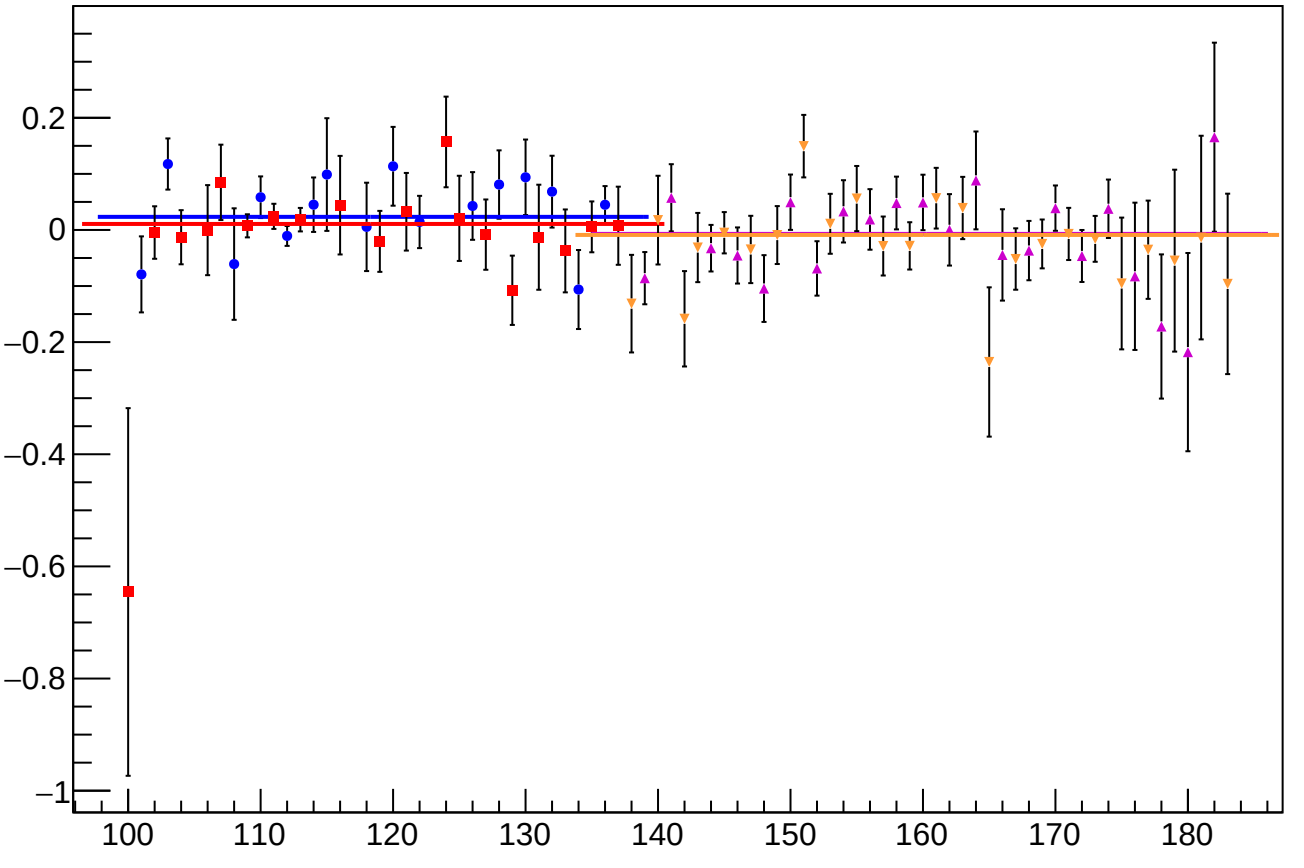
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.282+/-0.009 χ^2/NDF:2900588.8/21

+ sign 35.878+/-0.006 χ^2/NDF: 11006997.3/39

All: 34.024+/-0.004 χ^2/NDF: 22300732.8/80

- sign 32.406+/-0.005 χ^2/NDF: 11099501.5/40



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:22.2/23

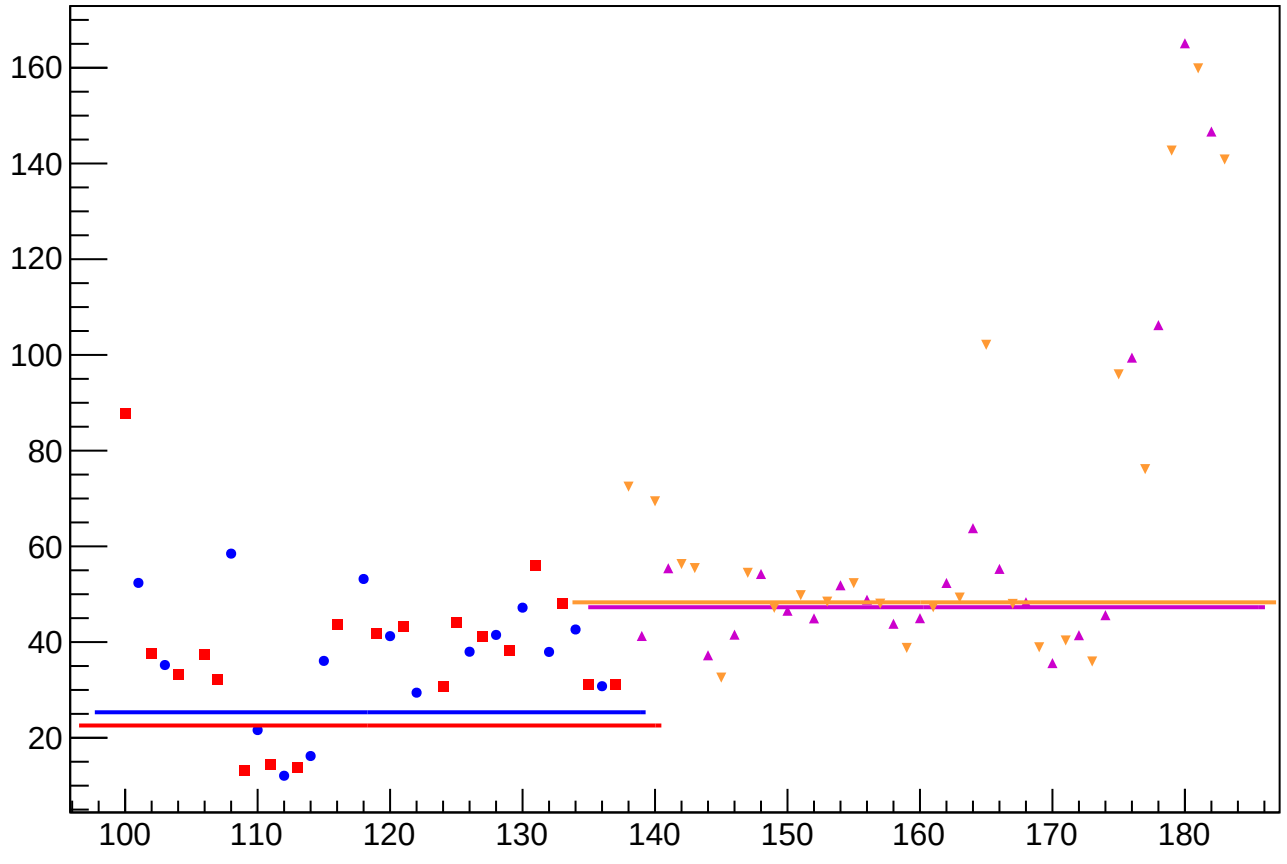
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:22.9/21

+ sign 0.009+/-0.008 χ^2/NDF: 46.9/39

All: 0.006+/-0.006 χ^2/NDF: 85.5/80

- sign 0.004+/-0.008 χ^2/NDF: 38.5/40



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127745.1/23

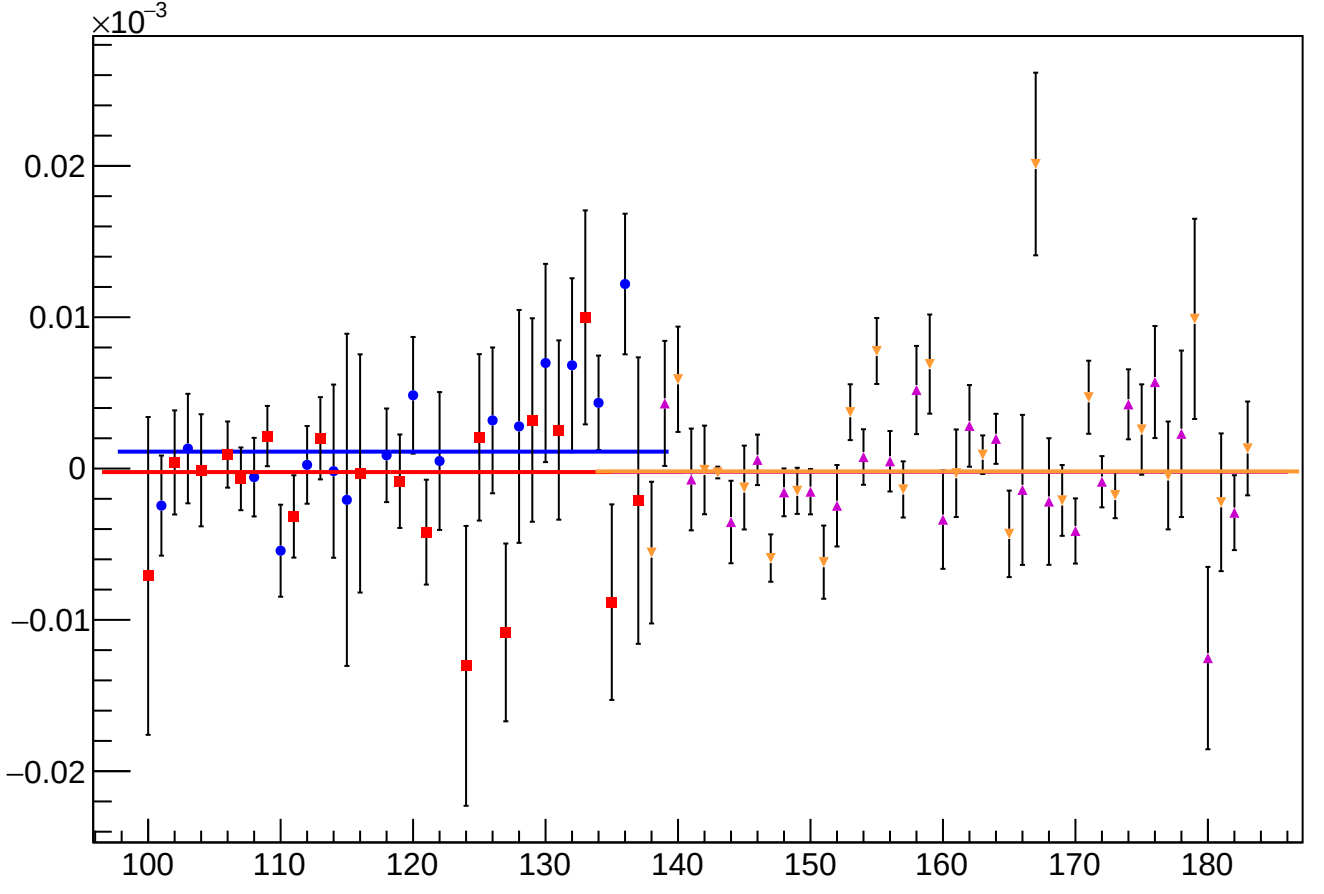
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.282+/-0.009 χ^2/NDF:2900588.8/21

+ sign 35.878+/-0.006 χ^2/NDF: 11006997.3/39

All: 34.024+/-0.004 χ^2/NDF: 22300732.8/80

- sign 32.406+/-0.005 χ^2/NDF: 11099501.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:71.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

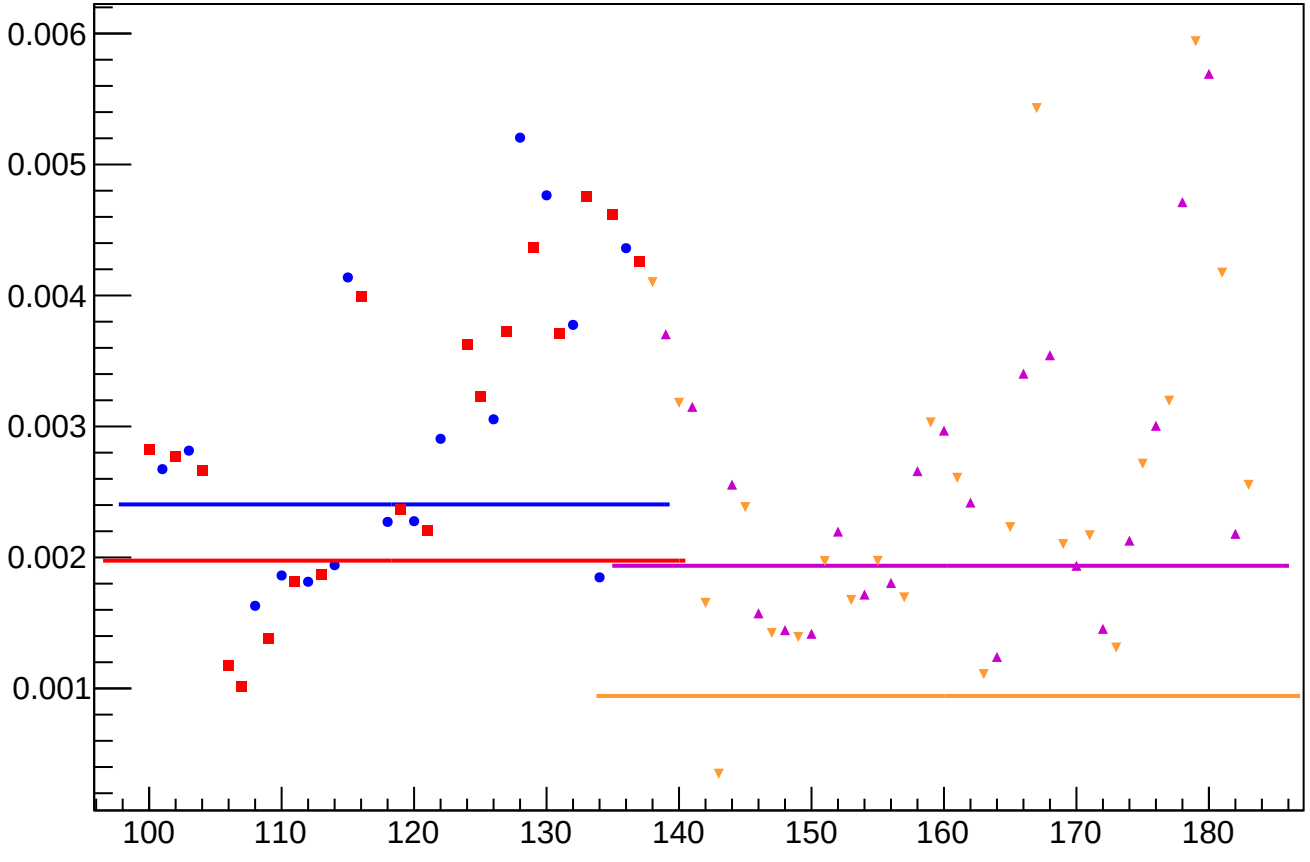
Left In: -0.000+/-0.000 χ^2/NDF:28.5/21

+ sign -0.000+/-0.000 χ^2/NDF: 89.3/39

All: -0.000+/-0.000 χ^2/NDF: 133.0/80

- sign -0.000+/-0.000 χ^2/NDF: 43.6/40

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:17288284.1/23

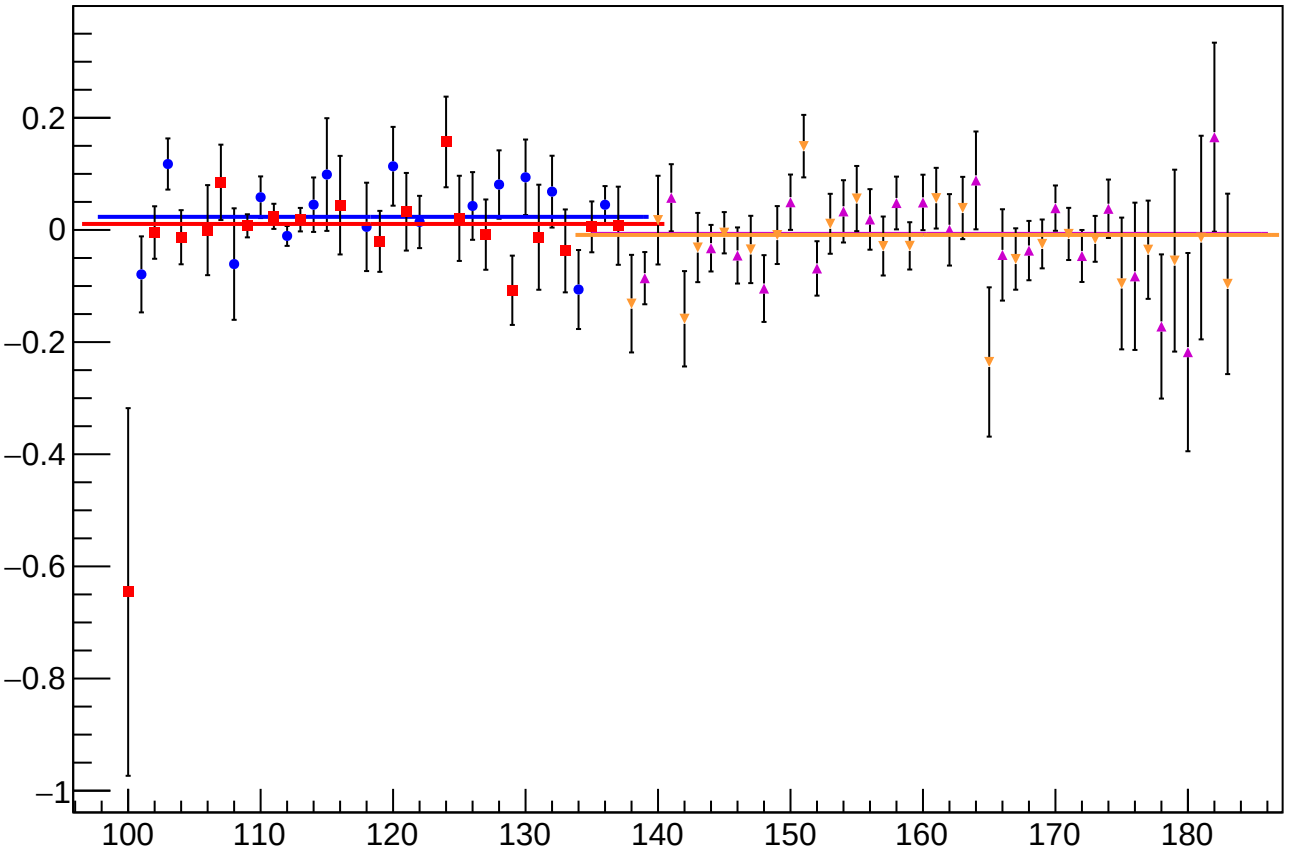
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:4175608.3/21

+ sign 0.001+/-0.000 χ^2/NDF: 23126699.8/39

All: 0.001+/-0.000 χ^2/NDF: 35868133.7/80

- sign 0.002+/-0.000 χ^2/NDF: 6954365.4/40



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:22.2/23

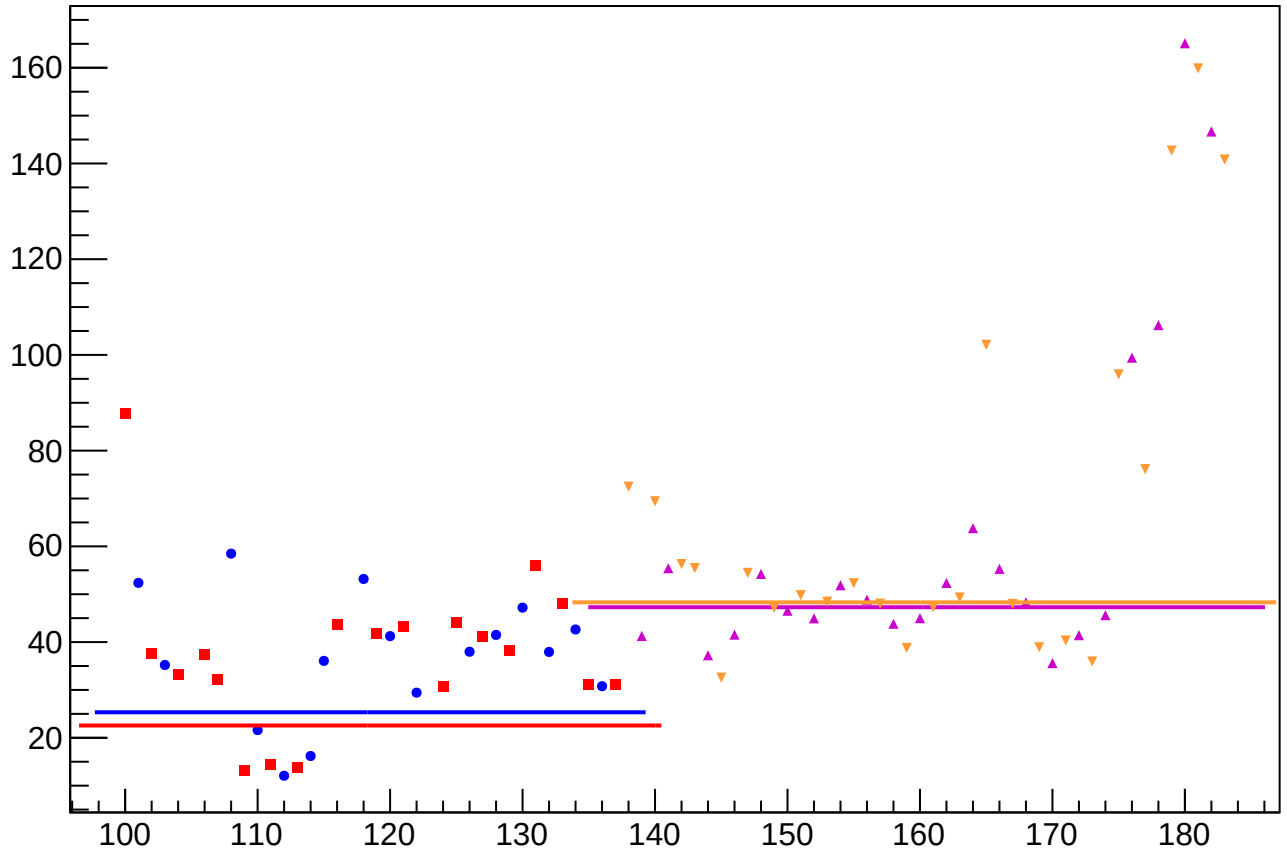
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:23.0/21

+ sign 0.009+/-0.008 χ^2/NDF: 46.9/39

All: 0.006+/-0.006 χ^2/NDF: 85.5/80

- sign 0.004+/-0.008 χ^2/NDF: 38.5/40



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127712.7/23

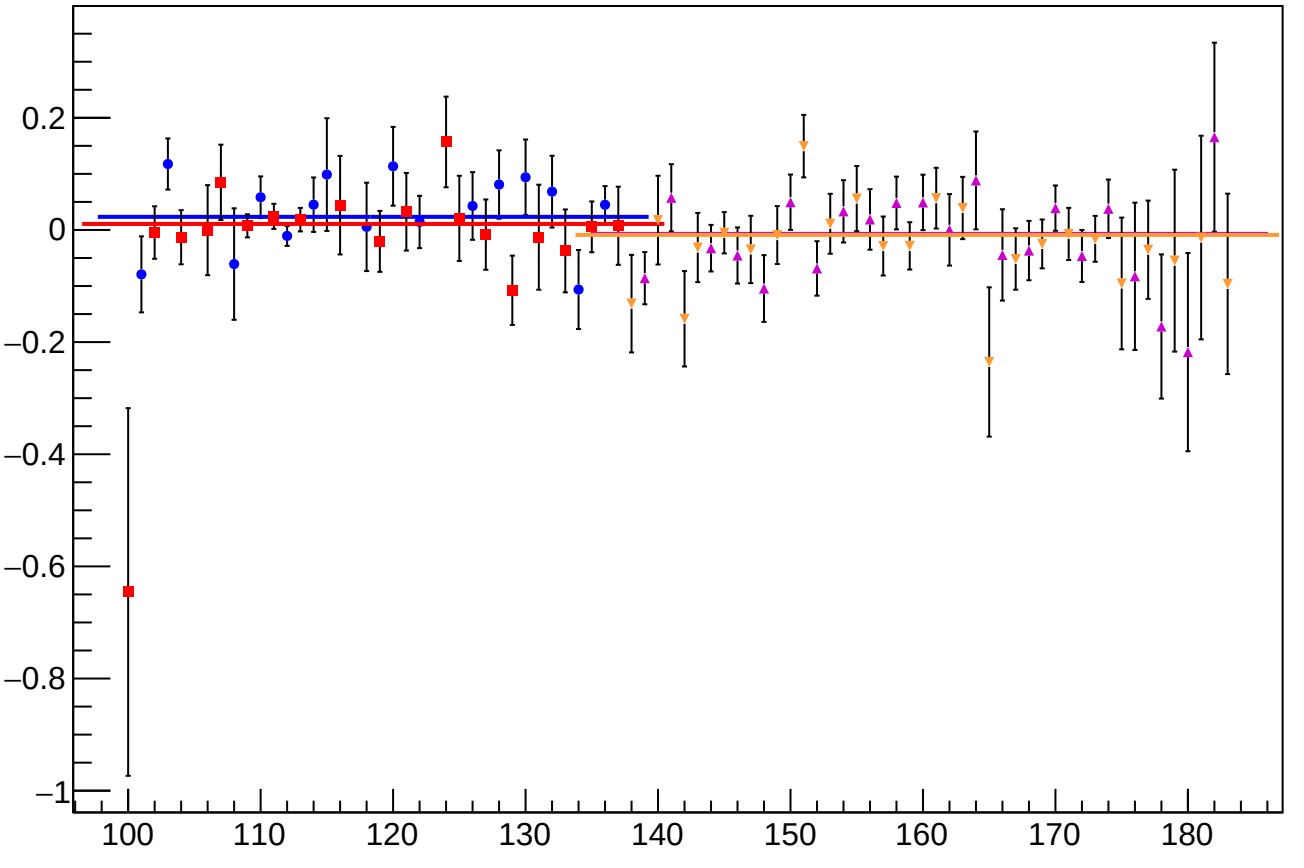
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 47.283+/-0.009 χ^2/NDF:2900538.2/21

+ sign 35.877+/-0.006 χ^2/NDF: 11008017.5/39

All: 34.024+/-0.004 χ^2/NDF: 22302004.6/80

- sign 32.406+/-0.005 χ^2/NDF: 11099834.8/40



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:22.2/23

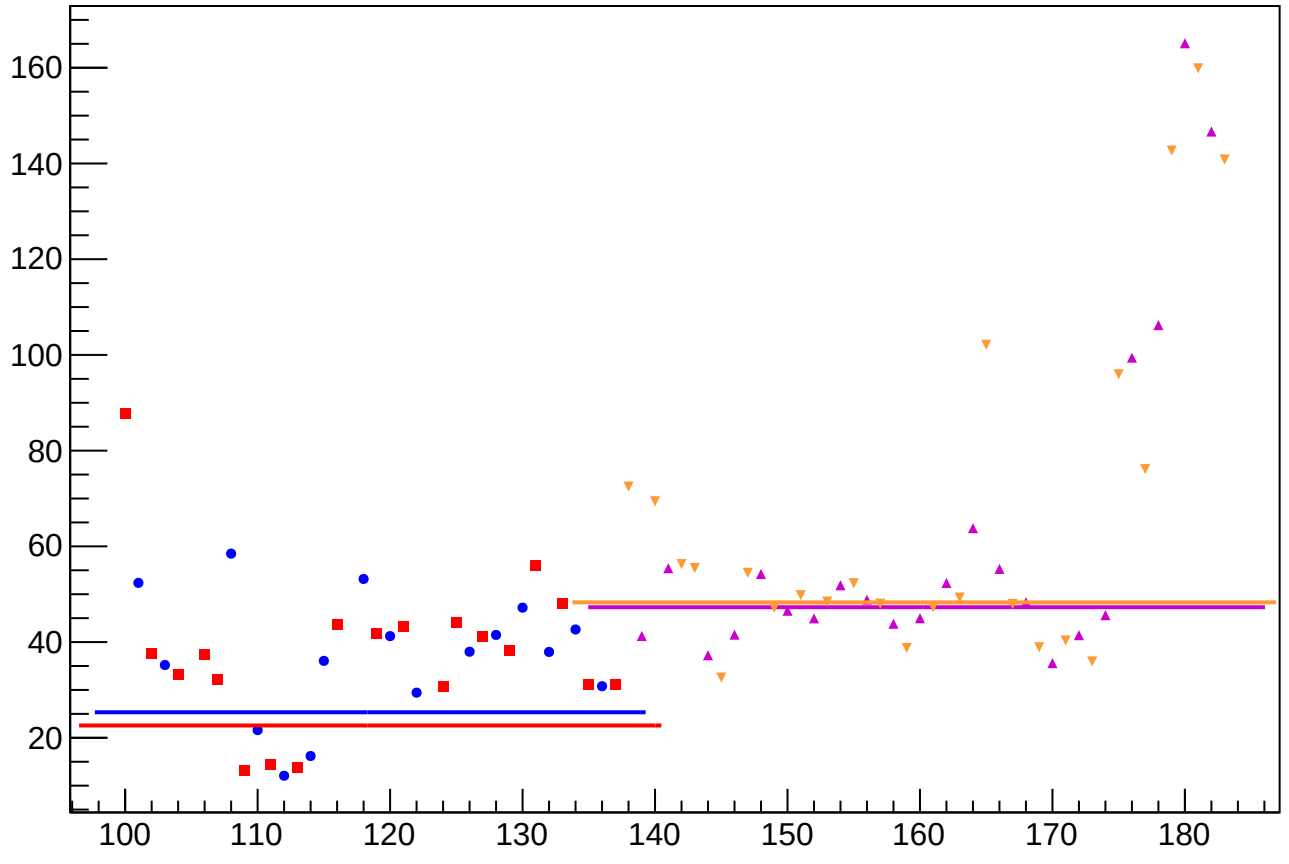
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:23.0/21

+ sign 0.009+/-0.008 χ^2/NDF: 46.9/39

All: 0.006+/-0.006 χ^2/NDF: 85.5/80

- sign 0.004+/-0.008 χ^2/NDF: 38.5/40



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127712.7/23

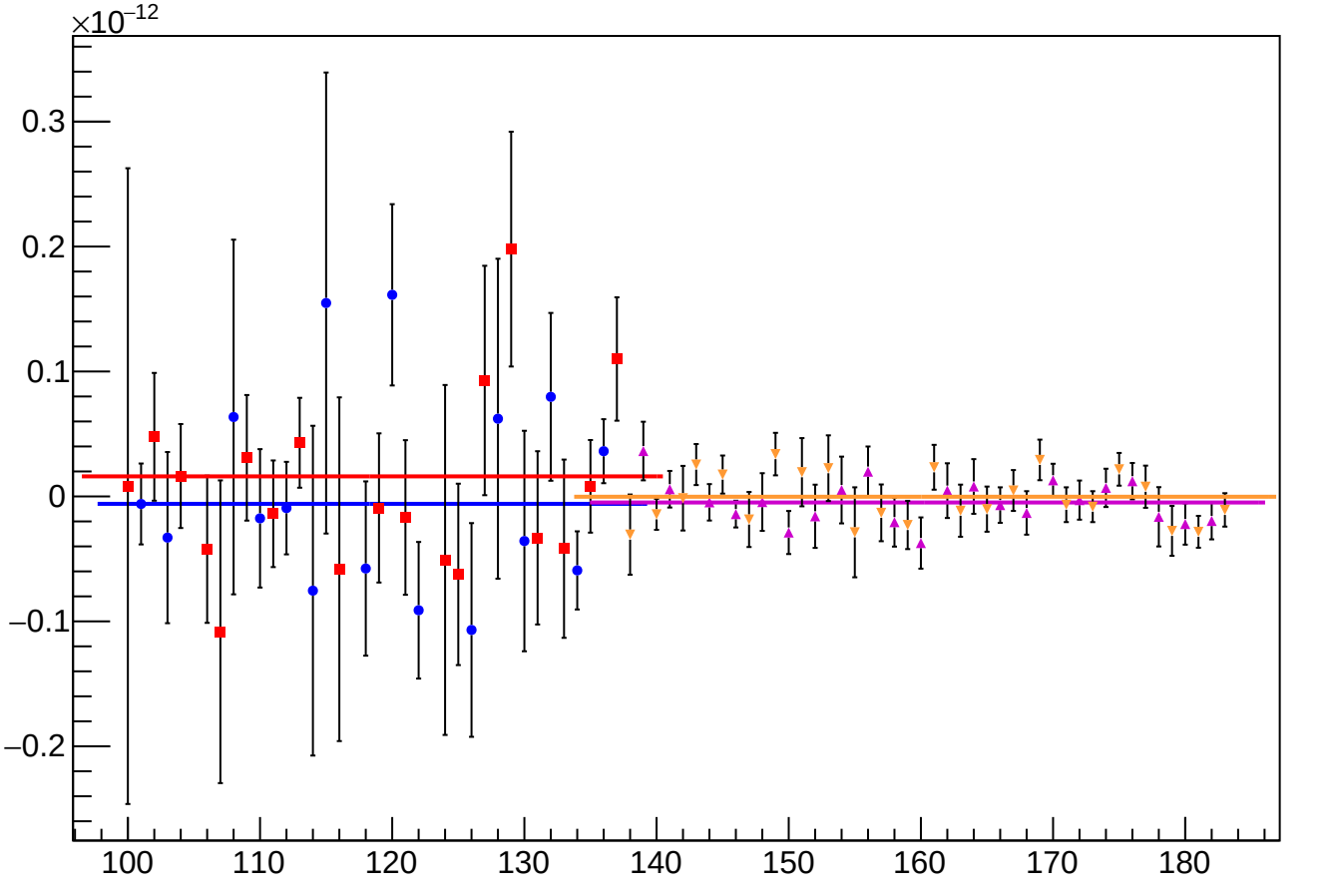
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 47.283+/-0.009 χ^2/NDF:2900538.2/21

+ sign 35.877+/-0.006 χ^2/NDF: 11008017.5/39

All: 34.024+/-0.004 χ^2/NDF: 22302004.6/80

- sign 32.406+/-0.005 χ^2/NDF: 11099834.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/23

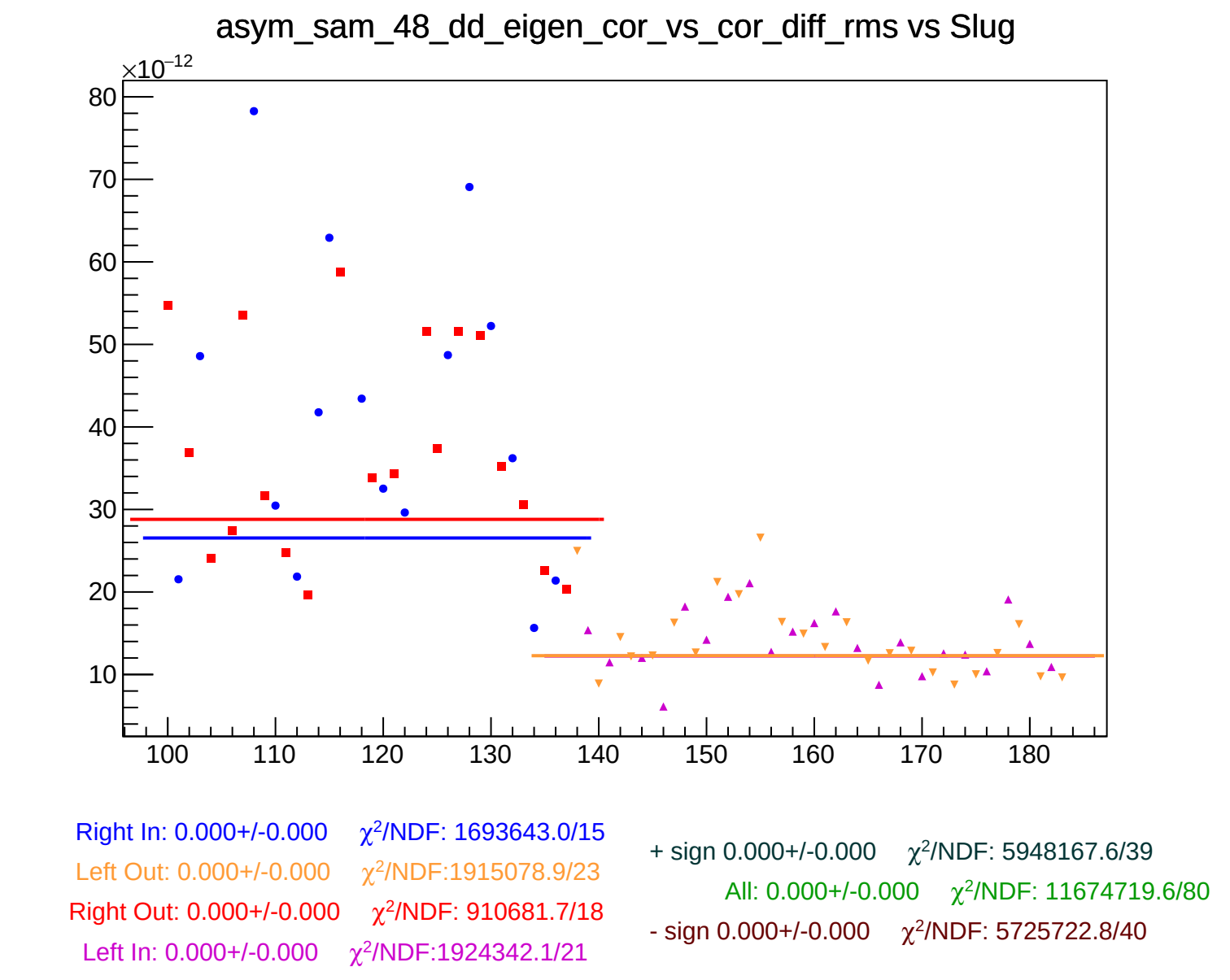
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/21

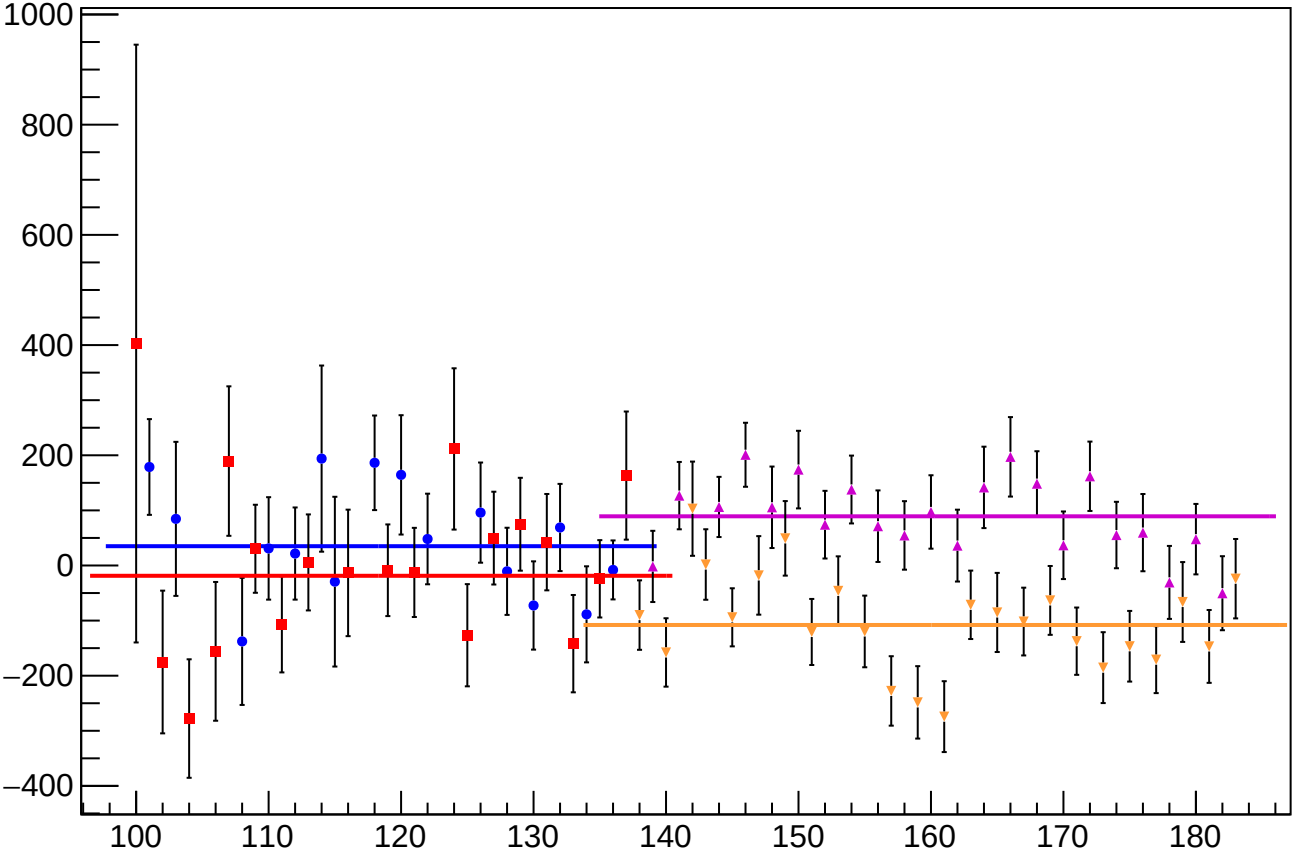
+ sign -0.000+/-0.000 χ^2/NDF: 50.0/39

All: -0.000+/-0.000 χ^2/NDF: 85.8/80

- sign -0.000+/-0.000 χ^2/NDF: 35.5/40


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1915078.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1924342.1/21
+ sign 0.000+/-0.000 χ²/NDF: 5948167.6/39
All: 0.000+/-0.000 χ²/NDF: 11674719.6/80
- sign 0.000+/-0.000 χ²/NDF: 5725722.8/40

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.964+/-13.162 χ^2/NDF:38.9/23

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

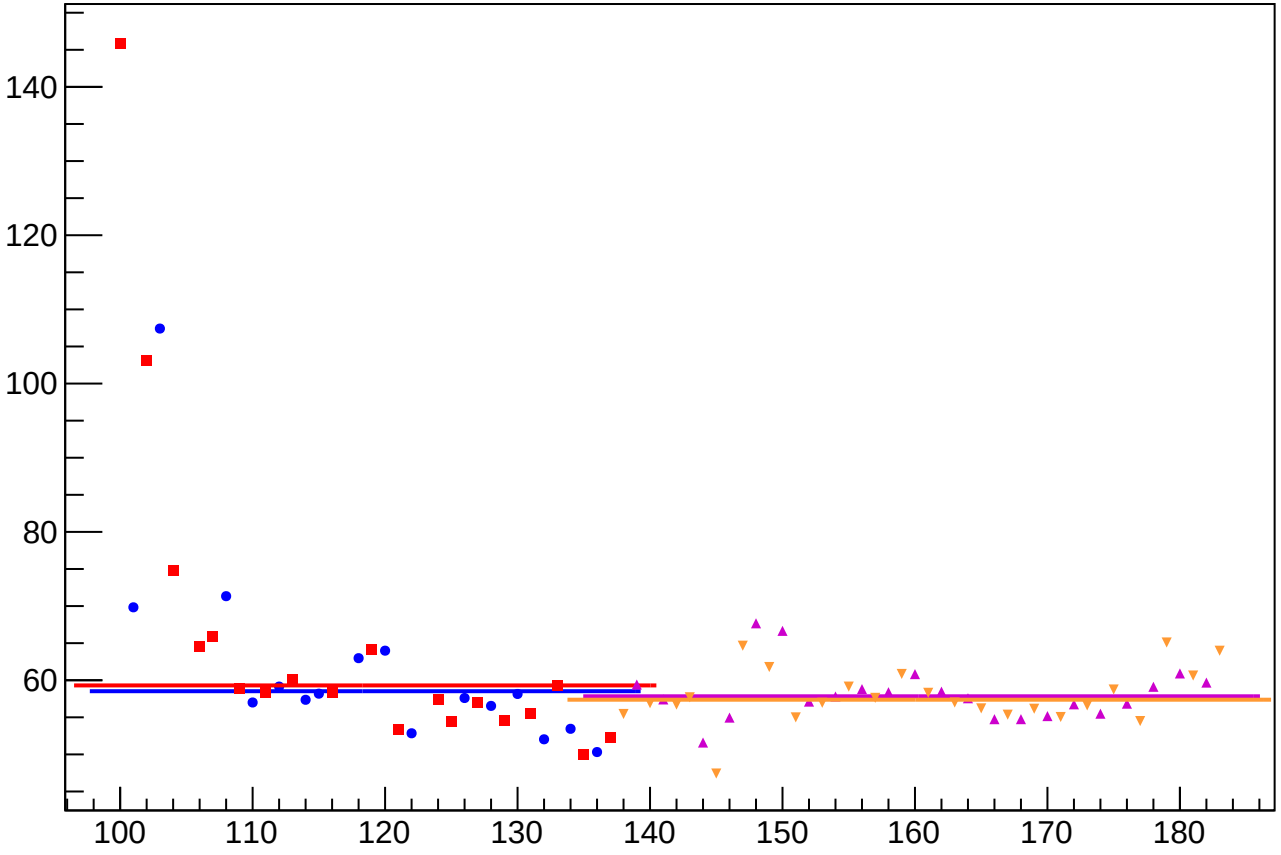
Left In: 89.253+/-13.654 χ^2/NDF:23.7/21

+ sign -70.612+/-11.313 χ^2/NDF: 85.9/39

All: -7.300+/-8.106 χ^2/NDF: 214.7/80

- sign 59.505+/-11.621 χ^2/NDF: 64.5/40

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.374+/-0.009 χ^2/NDF:170054.6/23

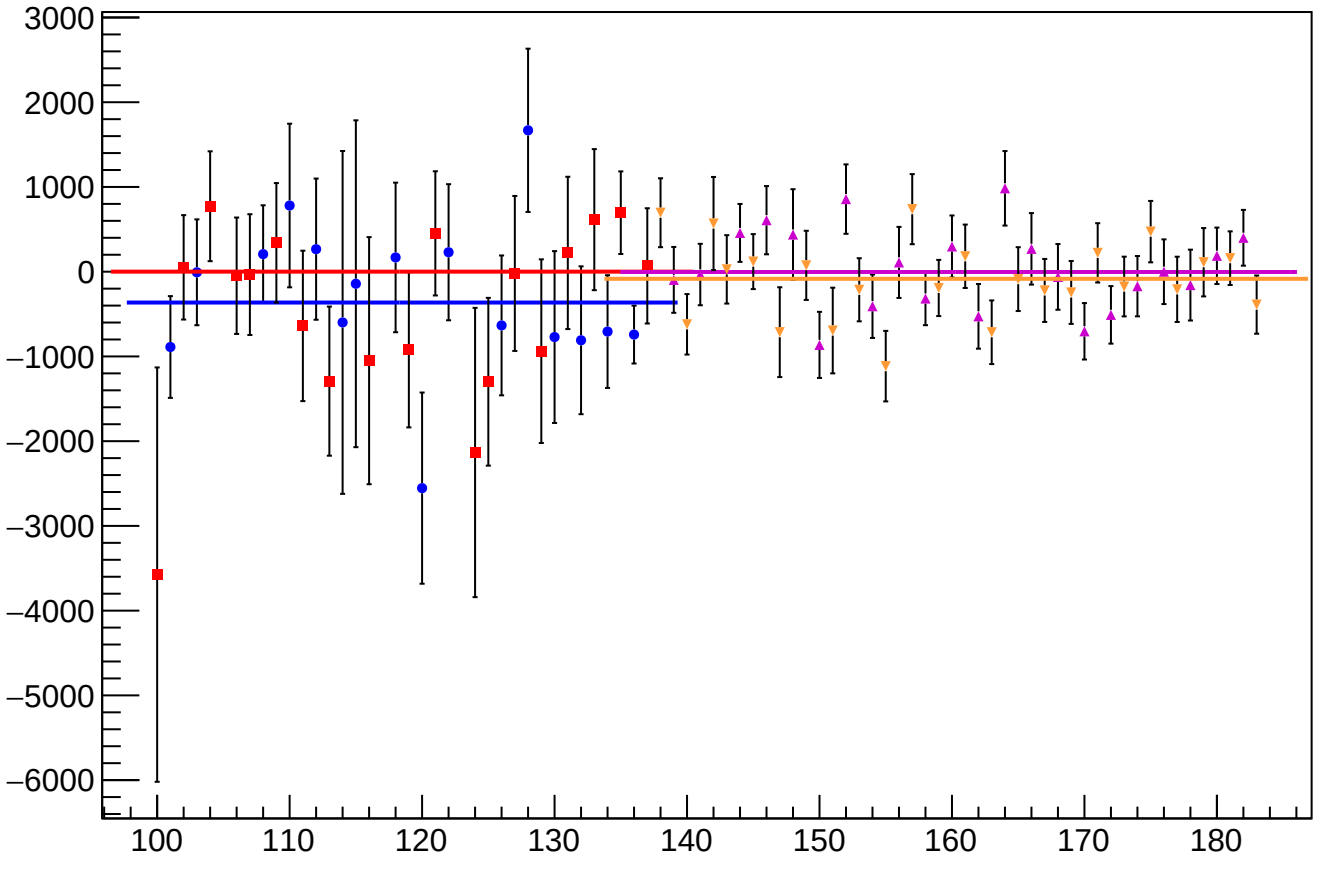
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.836+/-0.010 χ^2/NDF:128073.2/21

+ sign 57.674+/-0.008 χ^2/NDF: 566765.7/39

All: 57.949+/-0.006 χ^2/NDF: 1110230.5/80

- sign 58.240+/-0.008 χ^2/NDF: 541031.8/40



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -84.033+/-77.802 χ^2/NDF:29.7/23

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

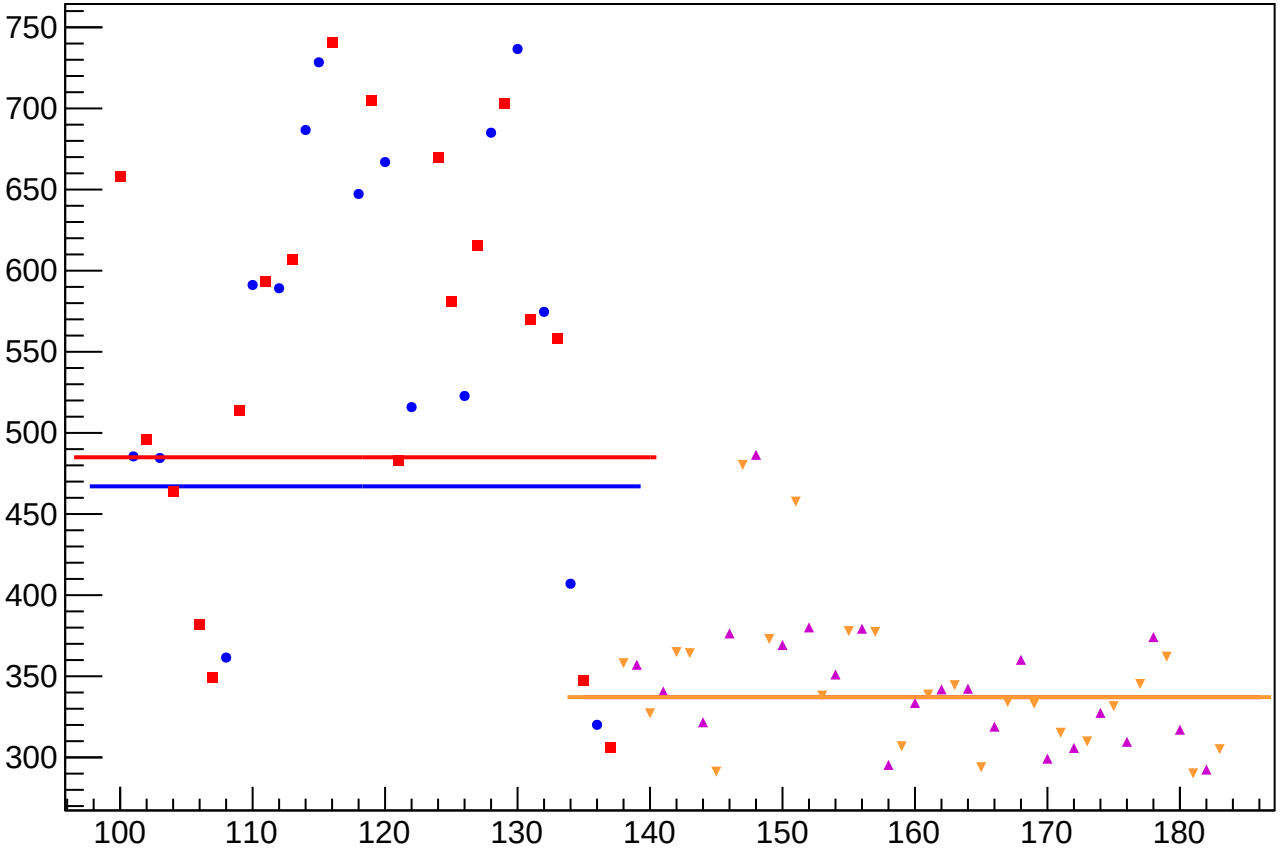
Left In: -3.624+/-80.035 χ^2/NDF:33.2/21

\+ sign -127.869+/-71.453 χ^2/NDF: 47.0/39

All: -67.033+/-51.177 χ^2/NDF: 96.8/80

\- sign -2.951+/-73.334 χ^2/NDF: 48.3/40

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 337.135+/-0.055 χ^2/NDF:508669.5/23

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

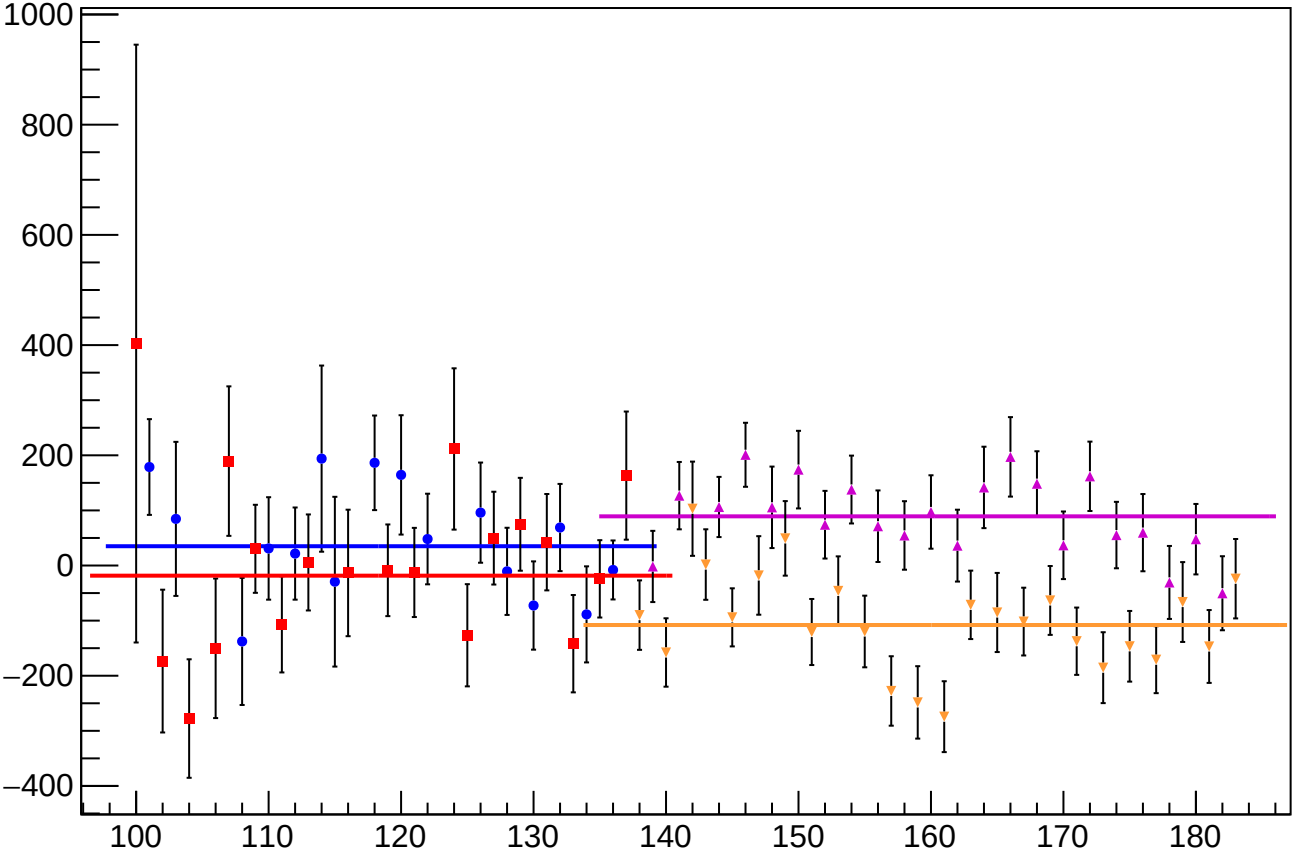
Left In: 337.153+/-0.057 χ^2/NDF:404423.8/21

+ sign 357.474+/-0.051 χ^2/NDF: 2412115.2/39

All: 359.128+/-0.036 χ^2/NDF: 4787539.1/80

- sign 360.870+/-0.052 χ^2/NDF: 2373223.3/40

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.963+/-13.162 χ^2/NDF:38.9/23

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

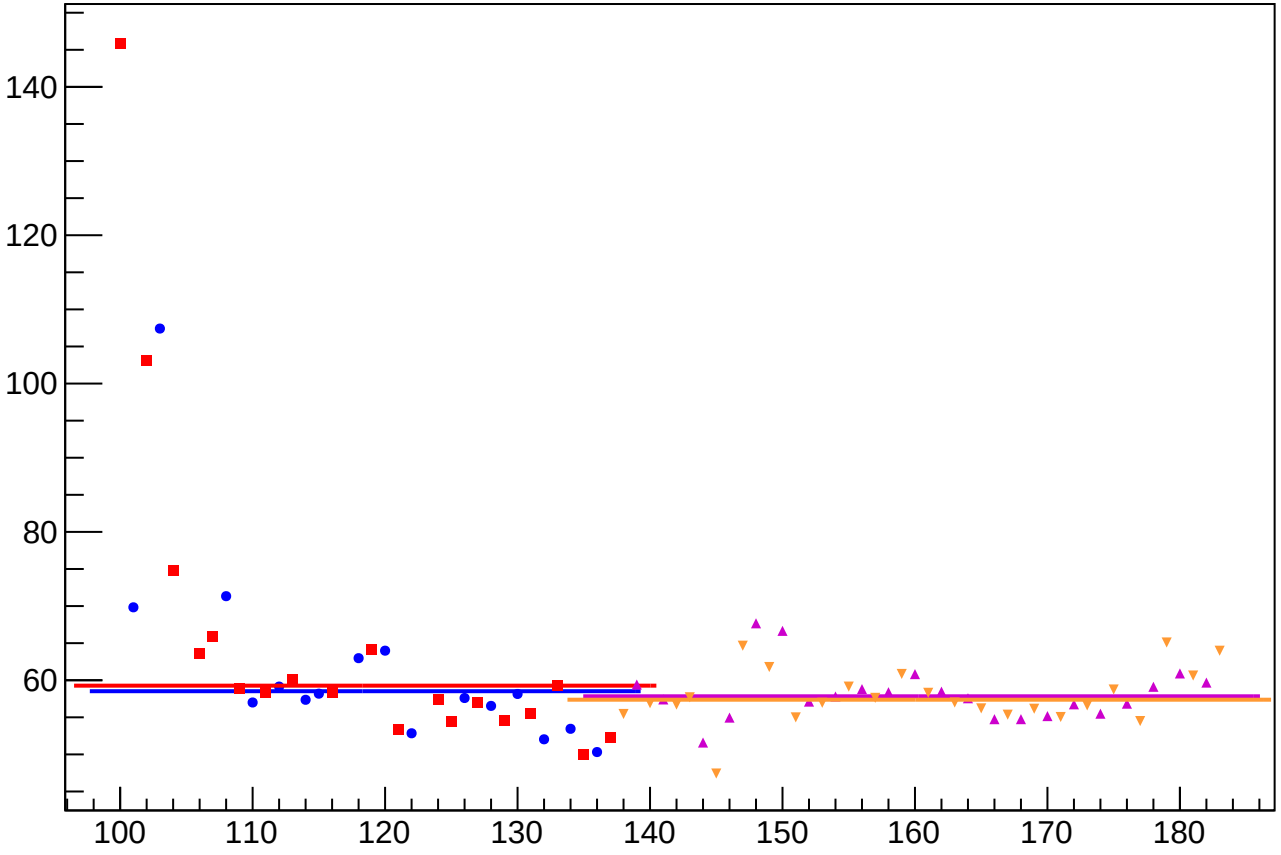
Left In: 89.255+/-13.654 χ^2/NDF:23.7/21

\+ sign -70.612+/-11.313 χ^2/NDF: 85.9/39

All: -7.262+/-8.106 χ^2/NDF: 214.6/80

\- sign 59.590+/-11.622 χ^2/NDF: 64.2/40

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.374+/-0.009 χ^2/NDF:170054.6/23

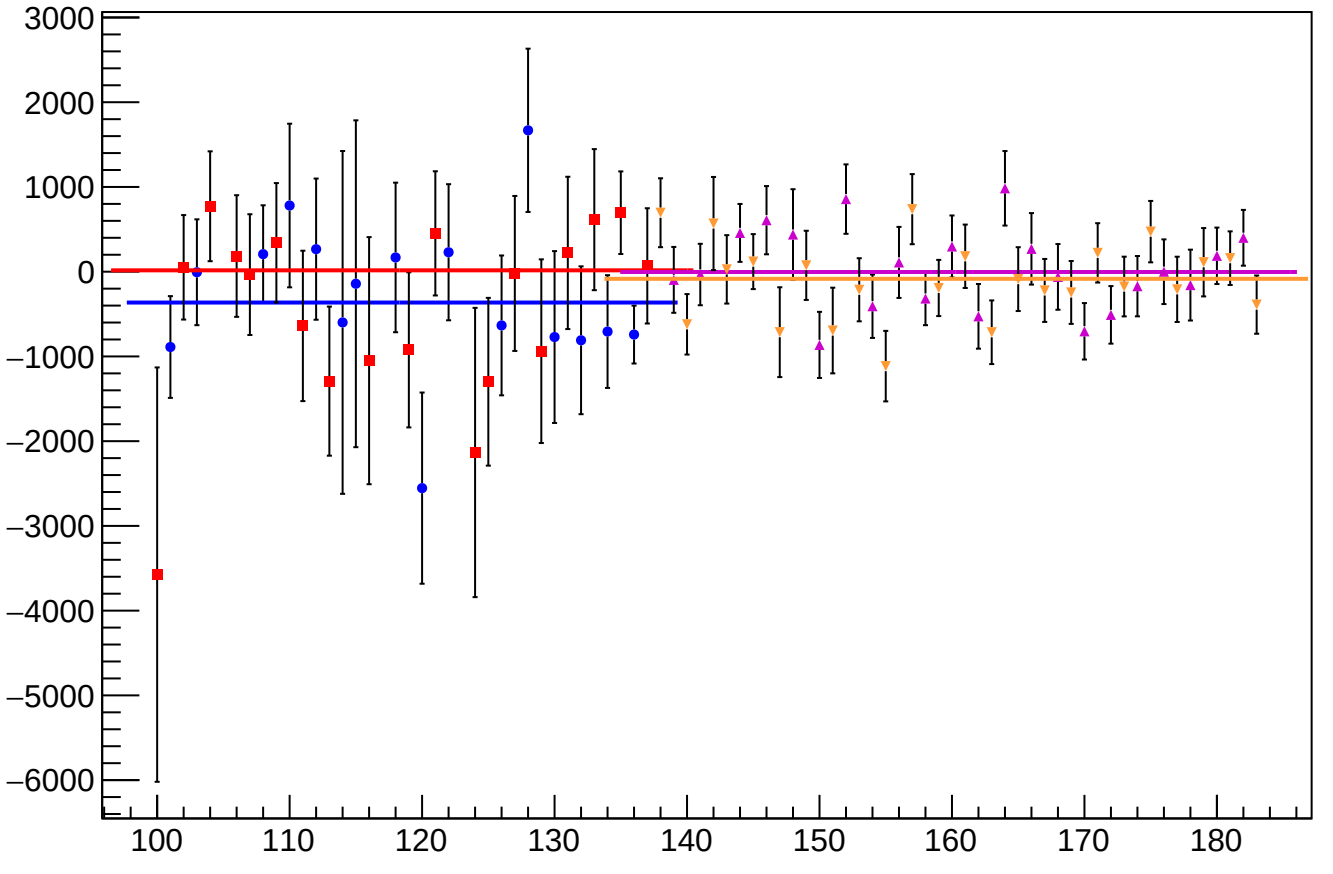
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.836+/-0.010 χ^2/NDF:128073.2/21

\+ sign 57.674+/-0.008 χ^2/NDF: 566767.8/39

All: 57.945+/-0.006 χ^2/NDF: 1108887.2/80

\- sign 58.231+/-0.008 χ^2/NDF: 539762.2/40



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -84.035+/-77.802 χ^2/NDF:29.7/23

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

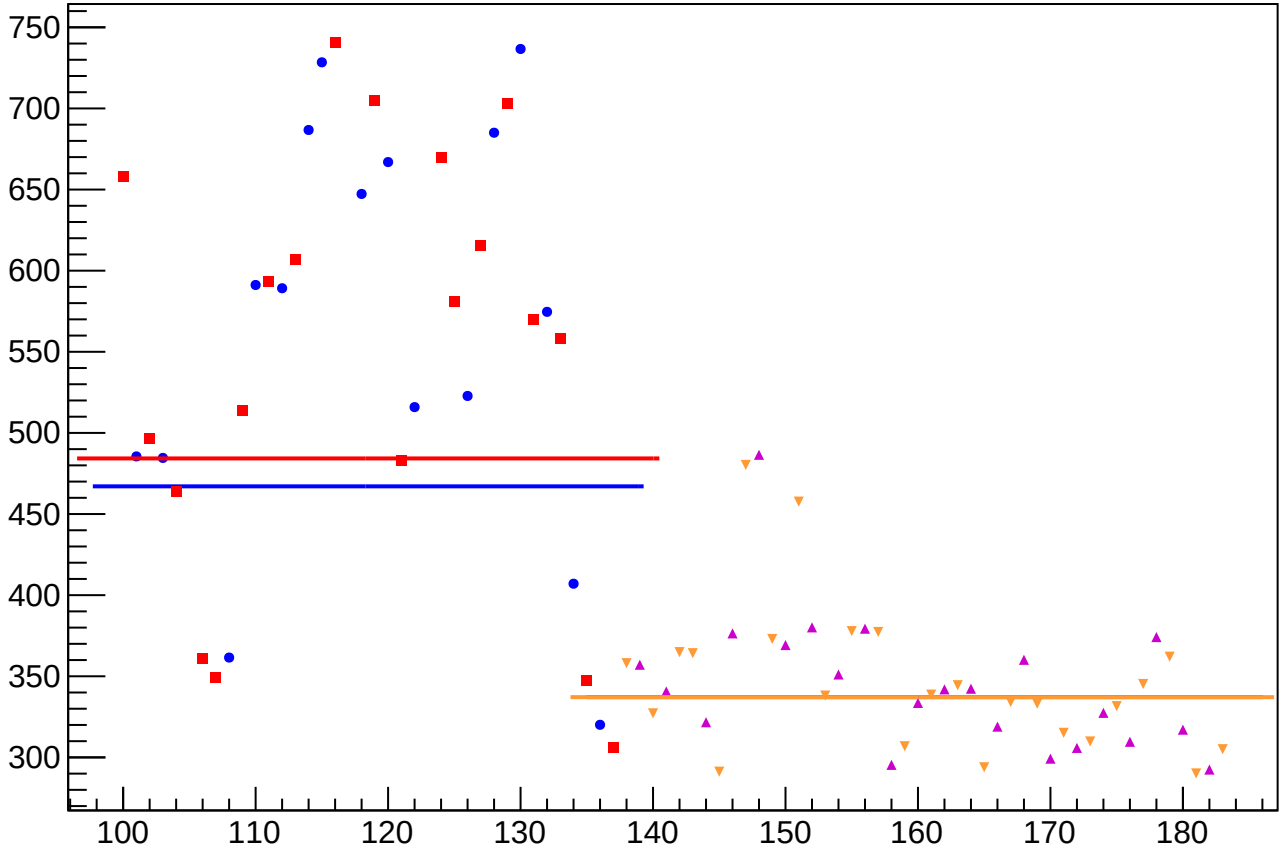
Left In: -3.623+/-80.035 χ^2/NDF:33.2/21

\+ sign -127.864+/-71.453 χ^2/NDF: 47.0/39

All: -65.857+/-51.190 χ^2/NDF: 96.9/80

\- sign -0.477+/-73.371 χ^2/NDF: 48.4/40

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 337.135+/-0.055 χ^2/NDF:508670.1/23

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

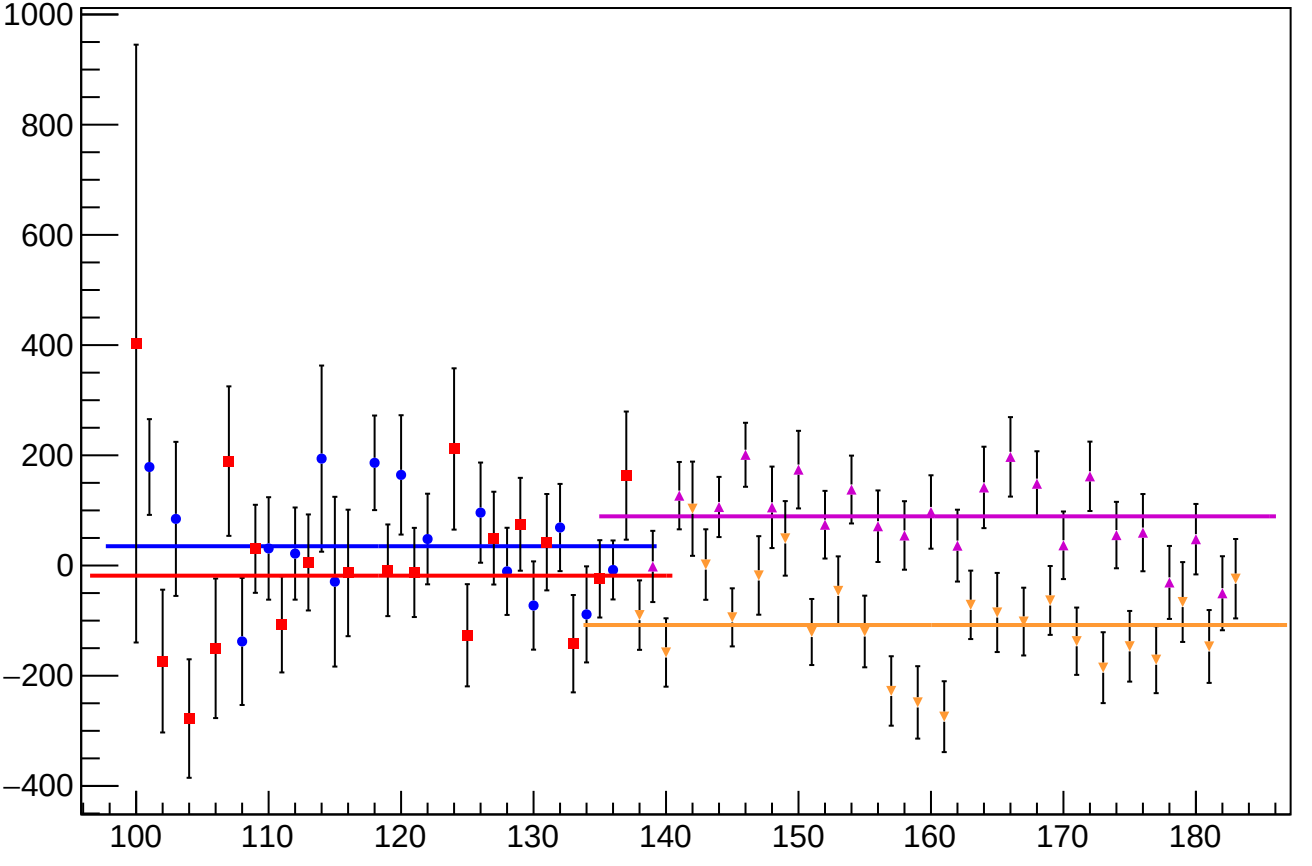
Left In: 337.153+/-0.057 χ^2/NDF:404426.4/21

+ sign 357.474+/-0.051 χ^2/NDF: 2412143.6/39

All: 359.013+/-0.036 χ^2/NDF: 4785909.2/80

- sign 360.635+/-0.052 χ^2/NDF: 2371860.9/40

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -107.963+/-13.162 χ^2/NDF:38.9/23

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

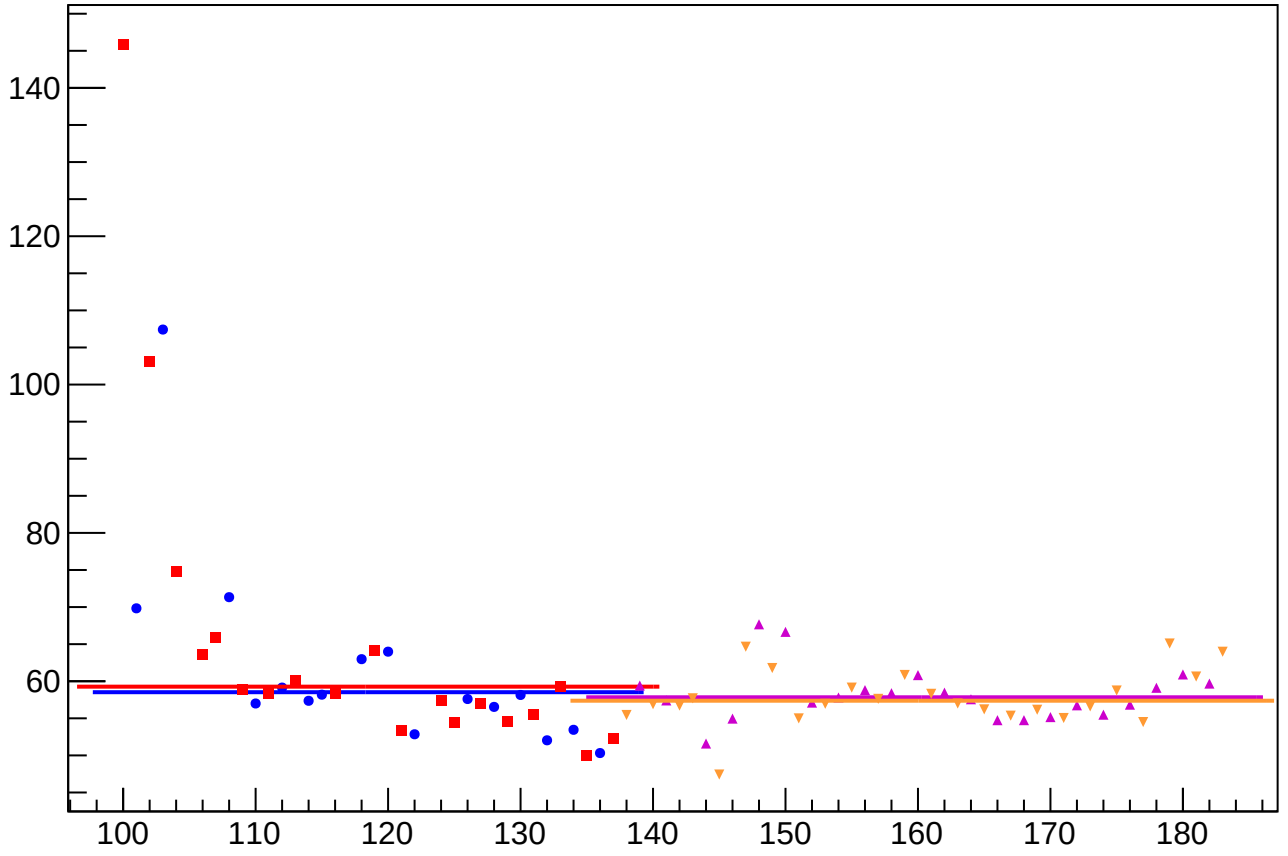
Left In: 89.255+/-13.654 χ^2/NDF:23.7/21

+ sign -70.612+/-11.313 χ^2/NDF: 85.9/39

All: -7.262+/-8.106 χ^2/NDF: 214.6/80

- sign 59.590+/-11.622 χ^2/NDF: 64.2/40

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.374+/-0.009 χ^2/NDF:170054.6/23

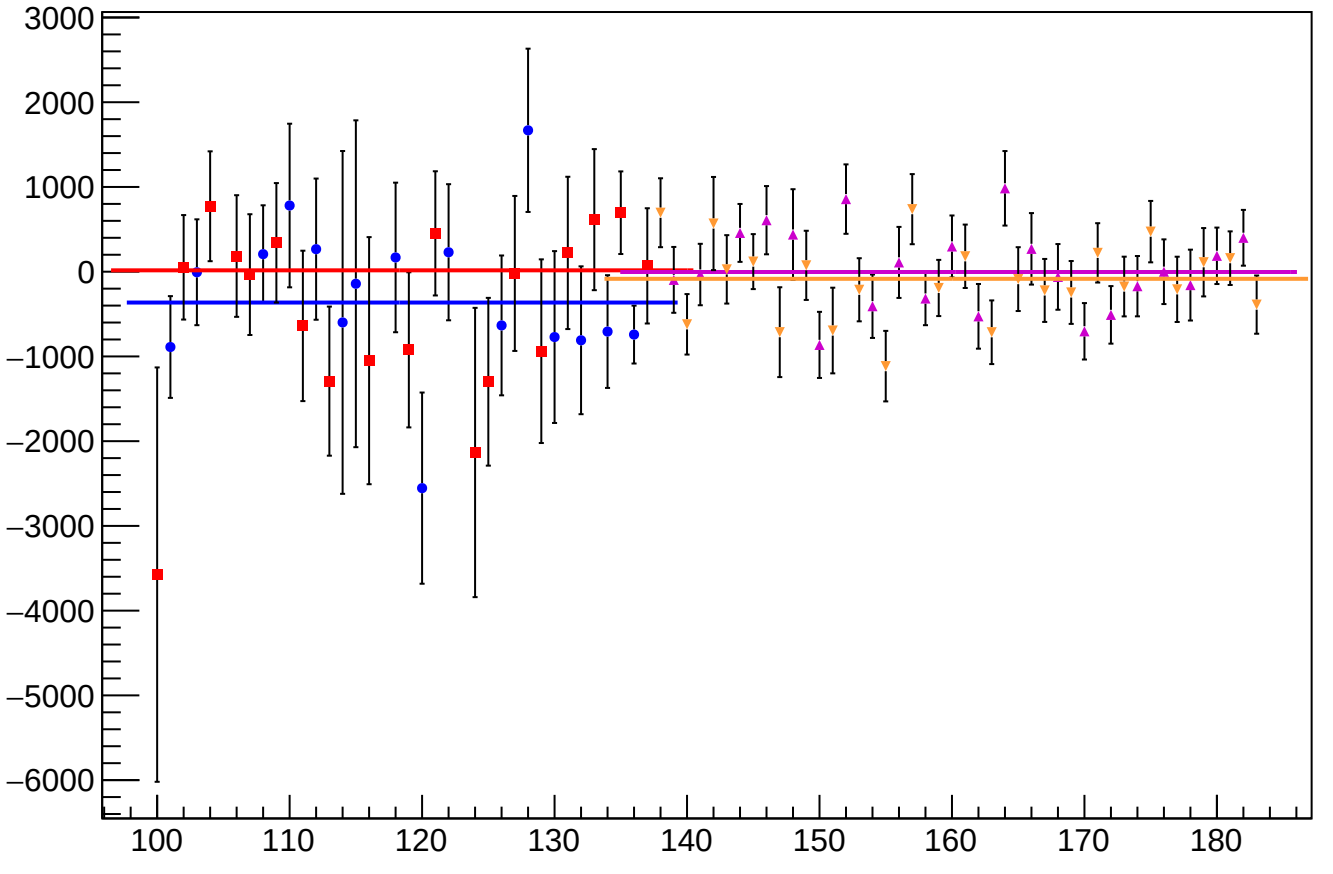
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.836+/-0.010 χ^2/NDF:128073.2/21

+ sign 57.674+/-0.008 χ^2/NDF: 566767.8/39

All: 57.945+/-0.006 χ^2/NDF: 1108887.2/80

- sign 58.231+/-0.008 χ^2/NDF: 539762.2/40



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -84.035+/-77.802 χ^2/NDF:29.7/23

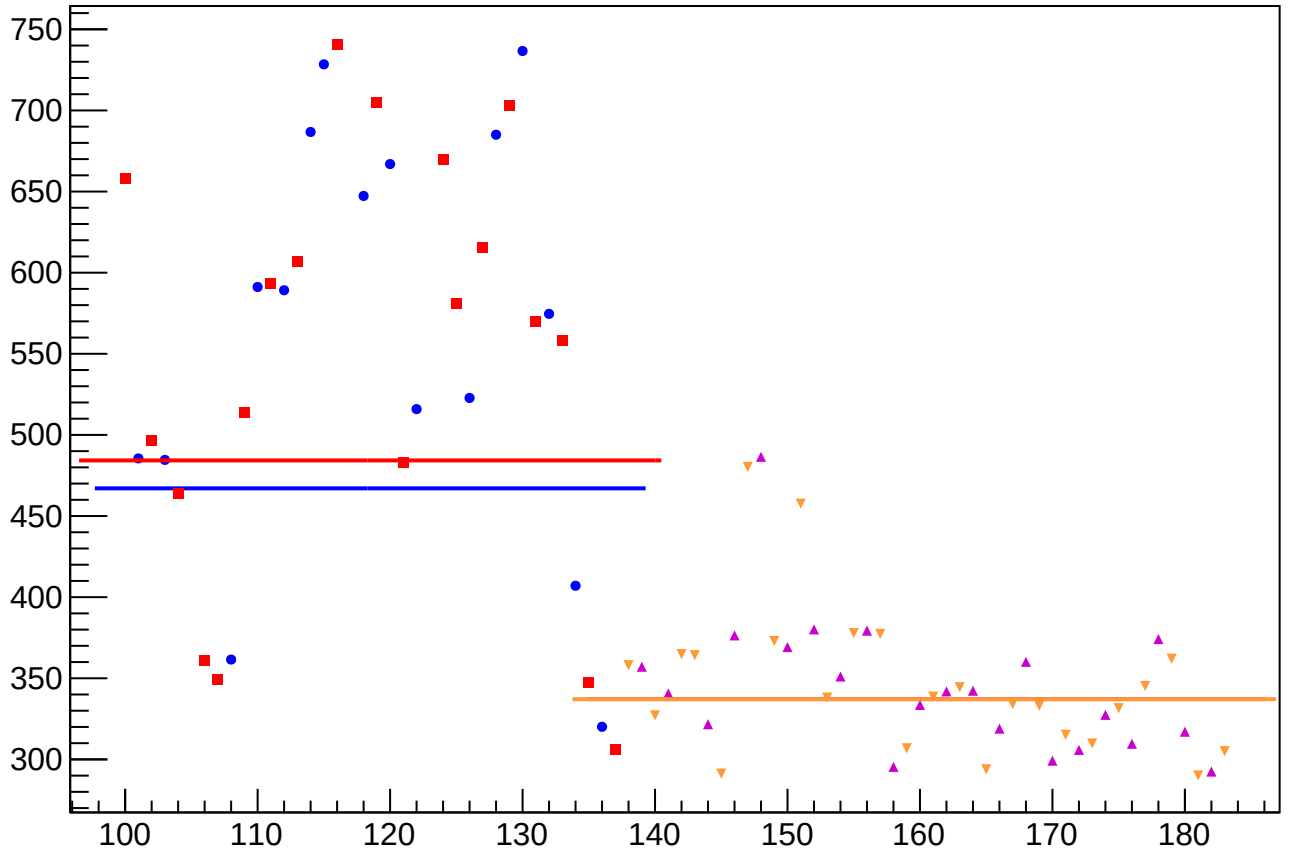
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -3.623+/-80.035 χ^2/NDF:33.2/21

\+ sign -127.864+/-71.453 χ^2/NDF: 47.0/39

All: -65.857+/-51.190 χ^2/NDF: 96.9/80

\- sign -0.477+/-73.371 χ^2/NDF: 48.4/40



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 337.135+/-0.055 χ^2/NDF:508670.1/23

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

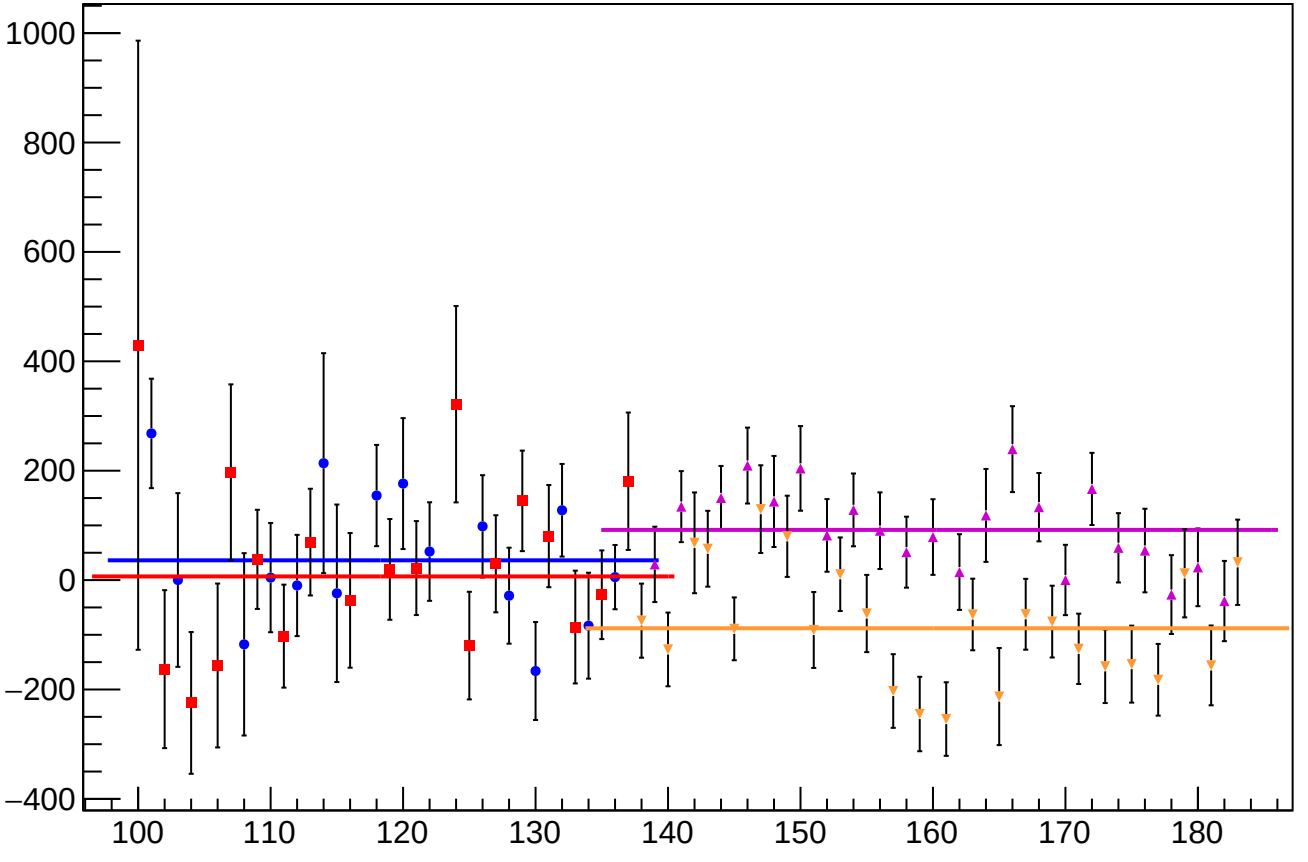
Left In: 337.153+/-0.057 χ^2/NDF:404426.4/21

+ sign 357.474+/-0.051 χ^2/NDF: 2412143.6/39

All: 359.013+/-0.036 χ^2/NDF: 4785909.2/80

- sign 360.635+/-0.052 χ^2/NDF: 2371860.9/40

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.061+/-14.247 χ^2/NDF:48.2/23

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

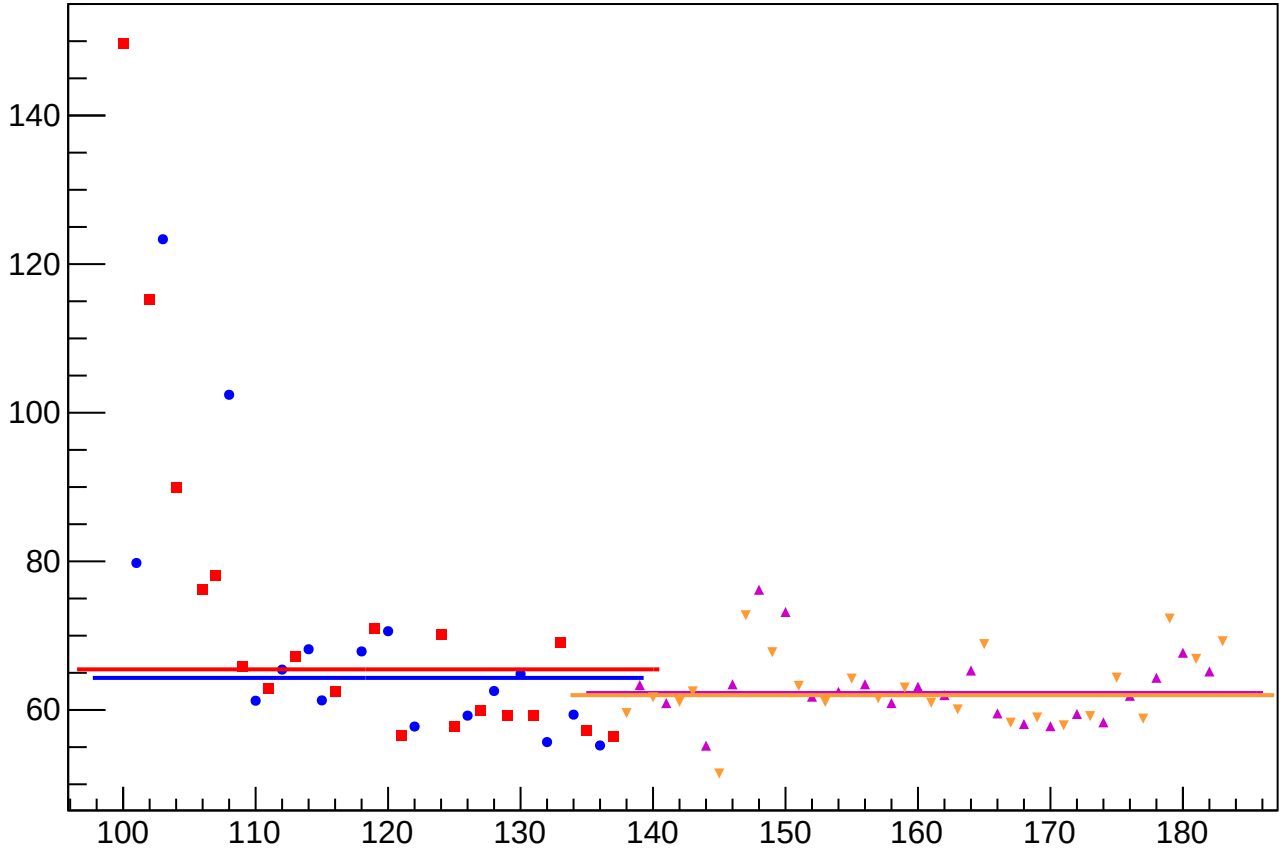
Left In: 91.790+/-14.750 χ^2/NDF:24.3/21

+ sign -56.615+/-12.313 χ^2/NDF: 87.1/39

All: 4.639+/-8.822 χ^2/NDF: 191.4/80

- sign 69.251+/-12.646 χ^2/NDF: 53.5/40

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.996+/-0.010 χ^2/NDF:224183.1/23

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

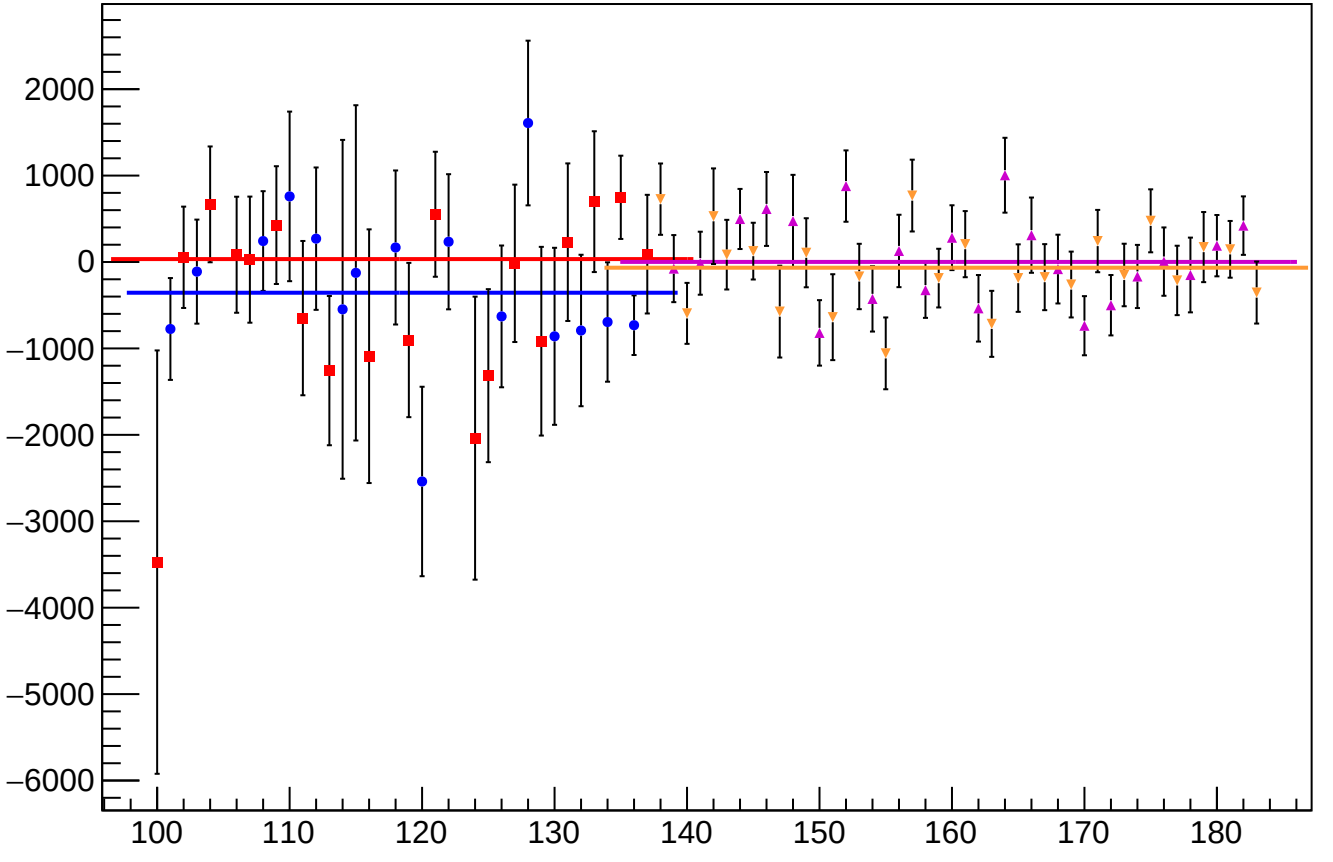
Left In: 62.285+/-0.010 χ^2/NDF:179935.8/21

+ sign 62.583+/-0.009 χ^2/NDF: 769677.9/39

All: 62.848+/-0.006 χ^2/NDF: 1458534.8/80

- sign 63.128+/-0.009 χ^2/NDF: 686954.6/40

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -66.044+/-79.081 χ^2/NDF:28.3/23

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

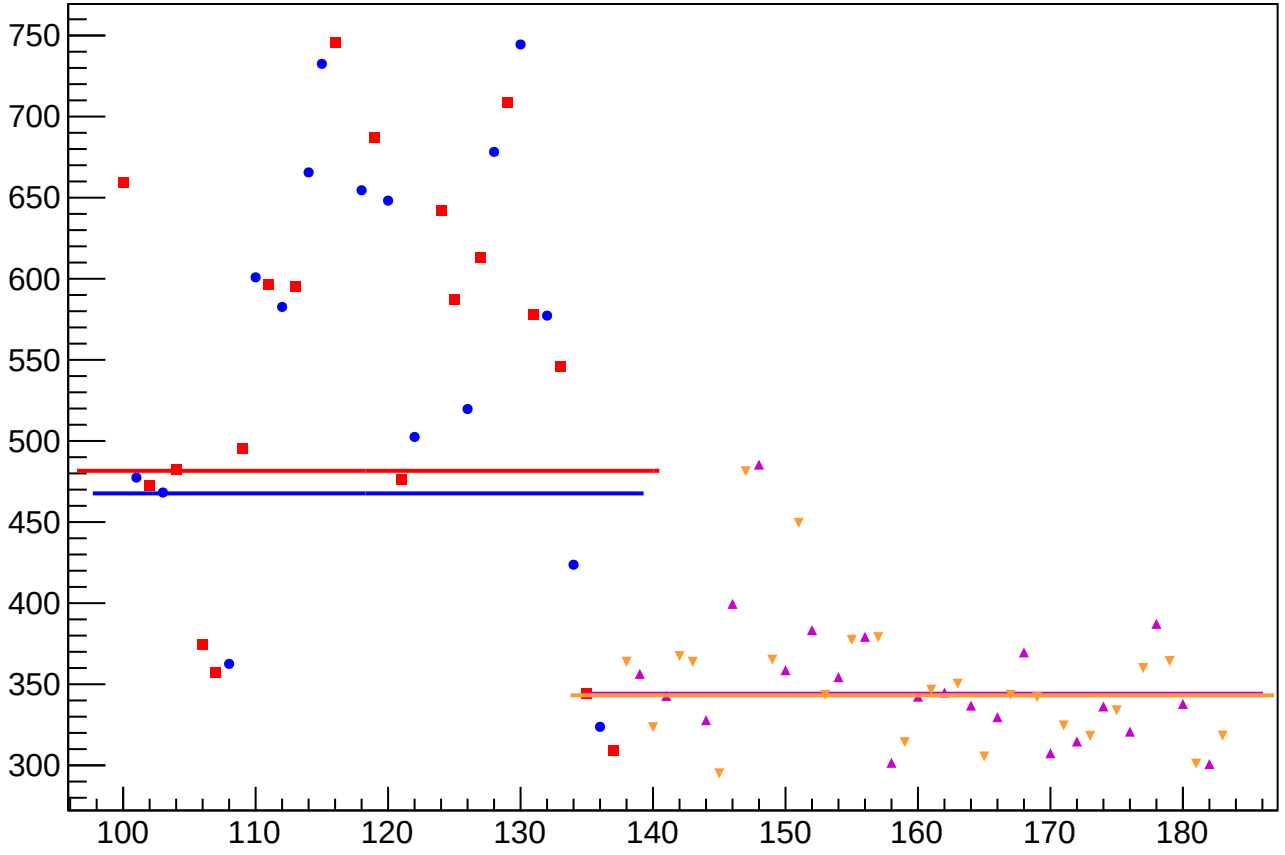
Left In: 1.093+/-81.639 χ^2/NDF:33.8/21

+ sign -112.735+/-72.423 χ^2/NDF: 45.3/39

All: -54.724+/-51.916 χ^2/NDF: 95.8/80

- sign 6.591+/-74.458 χ^2/NDF: 49.3/40

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 343.164+/-0.056 χ^2/NDF:426058.7/23

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

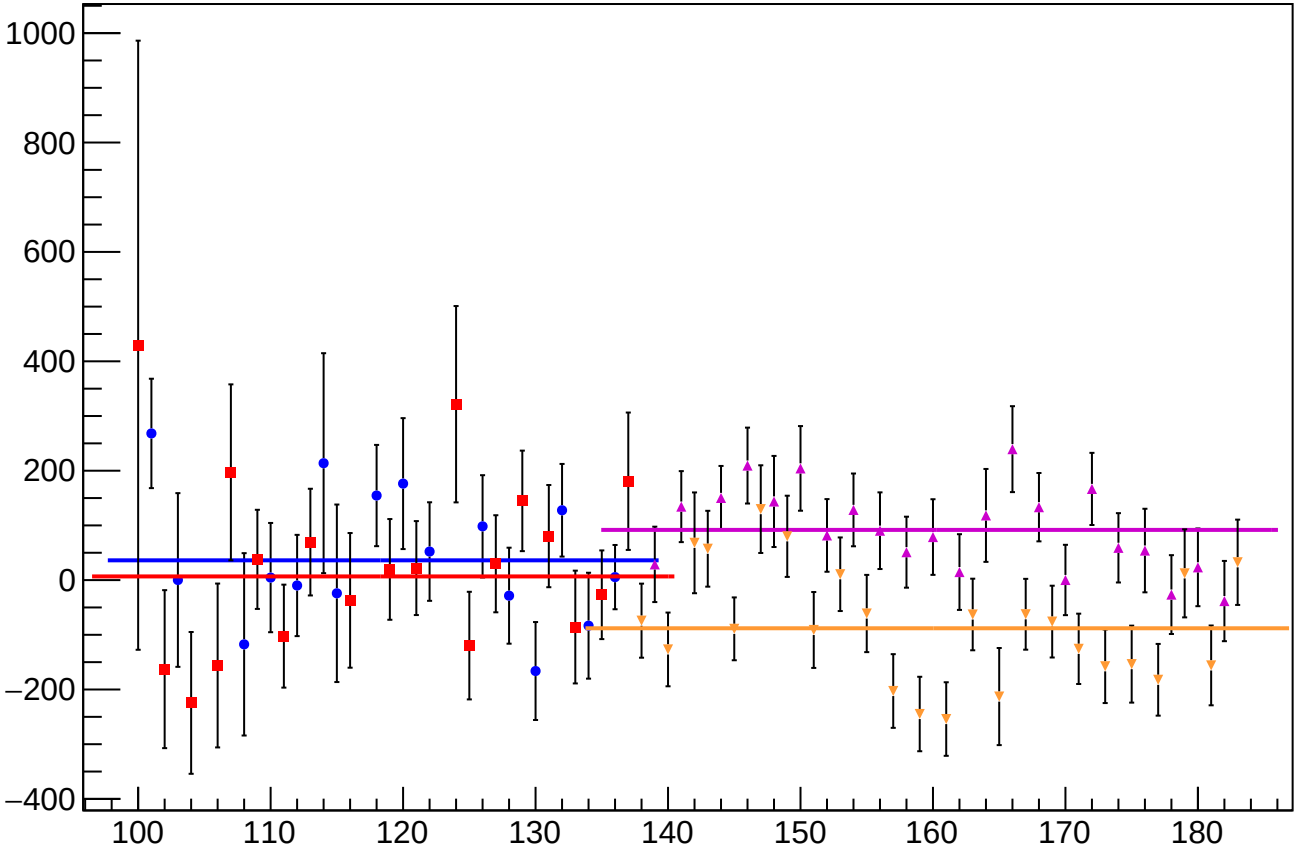
Left In: 344.171+/-0.058 χ^2/NDF:360967.8/21

+ sign 363.246+/-0.051 χ^2/NDF: 2211647.6/39

All: 365.209+/-0.037 χ^2/NDF: 4383079.7/80

- sign 367.284+/-0.053 χ^2/NDF: 2168409.0/40

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -88.060+/-14.247 χ^2/NDF:48.2/23

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

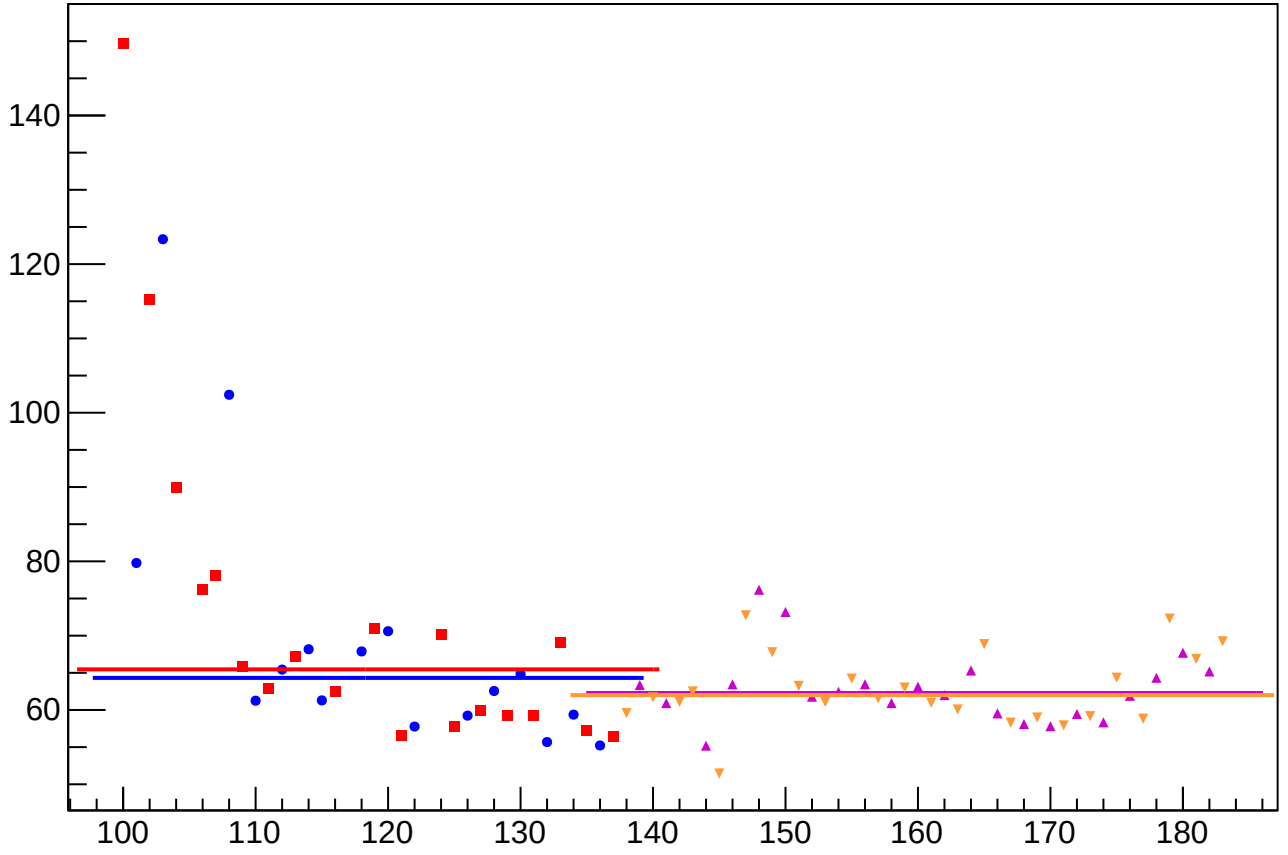
Left In: 91.790+/-14.750 χ^2/NDF:24.3/21

+ sign -56.614+/-12.313 χ^2/NDF: 87.1/39

All: 4.639+/-8.822 χ^2/NDF: 191.4/80

- sign 69.251+/-12.646 χ^2/NDF: 53.5/40

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.996+/-0.010 χ^2/NDF:224187.3/23

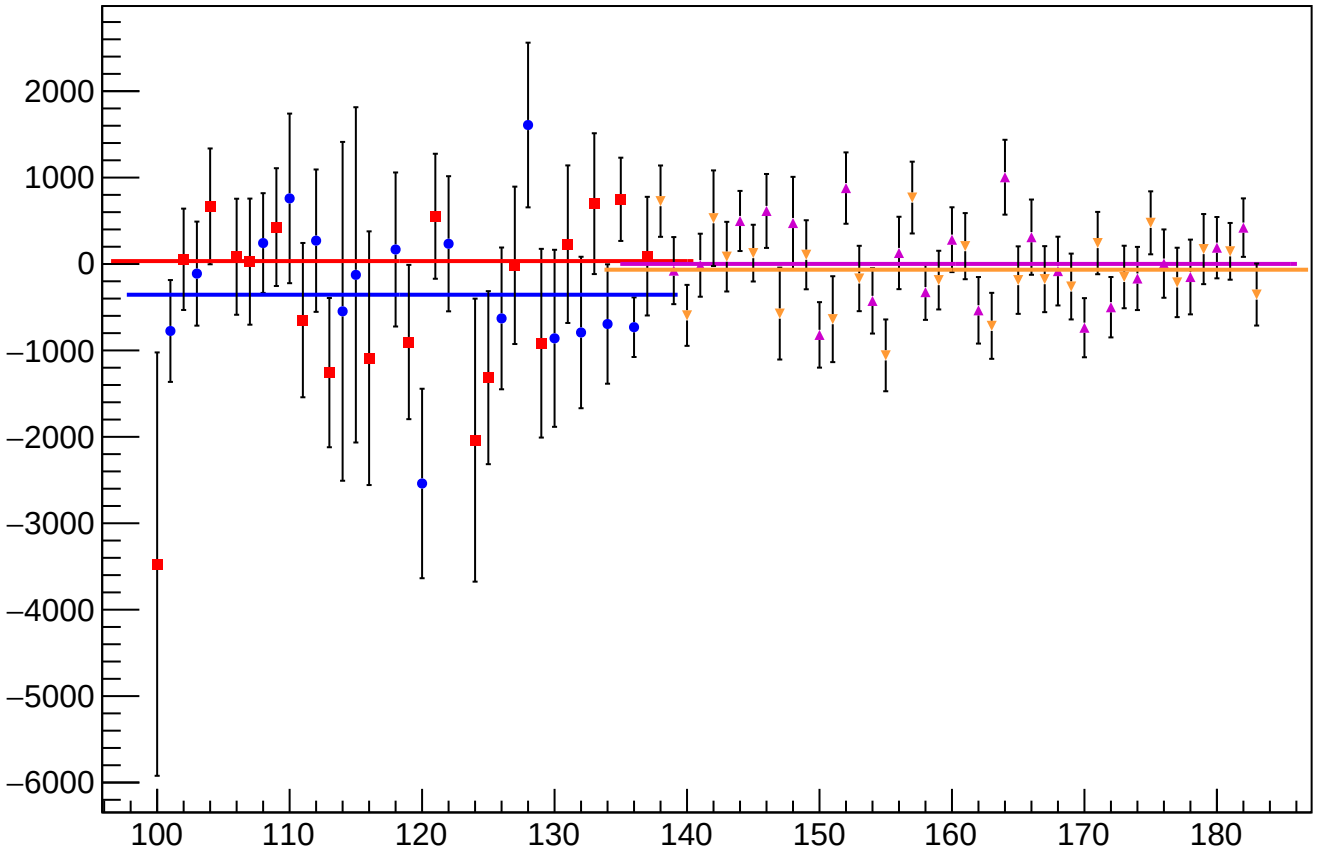
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.285+/-0.010 χ^2/NDF:179939.0/21

+ sign 62.583+/-0.009 χ^2/NDF: 769689.3/39

All: 62.848+/-0.006 χ^2/NDF: 1458553.7/80

- sign 63.128+/-0.009 χ^2/NDF: 686961.9/40



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -66.044+/-79.081 χ^2/NDF:28.3/23

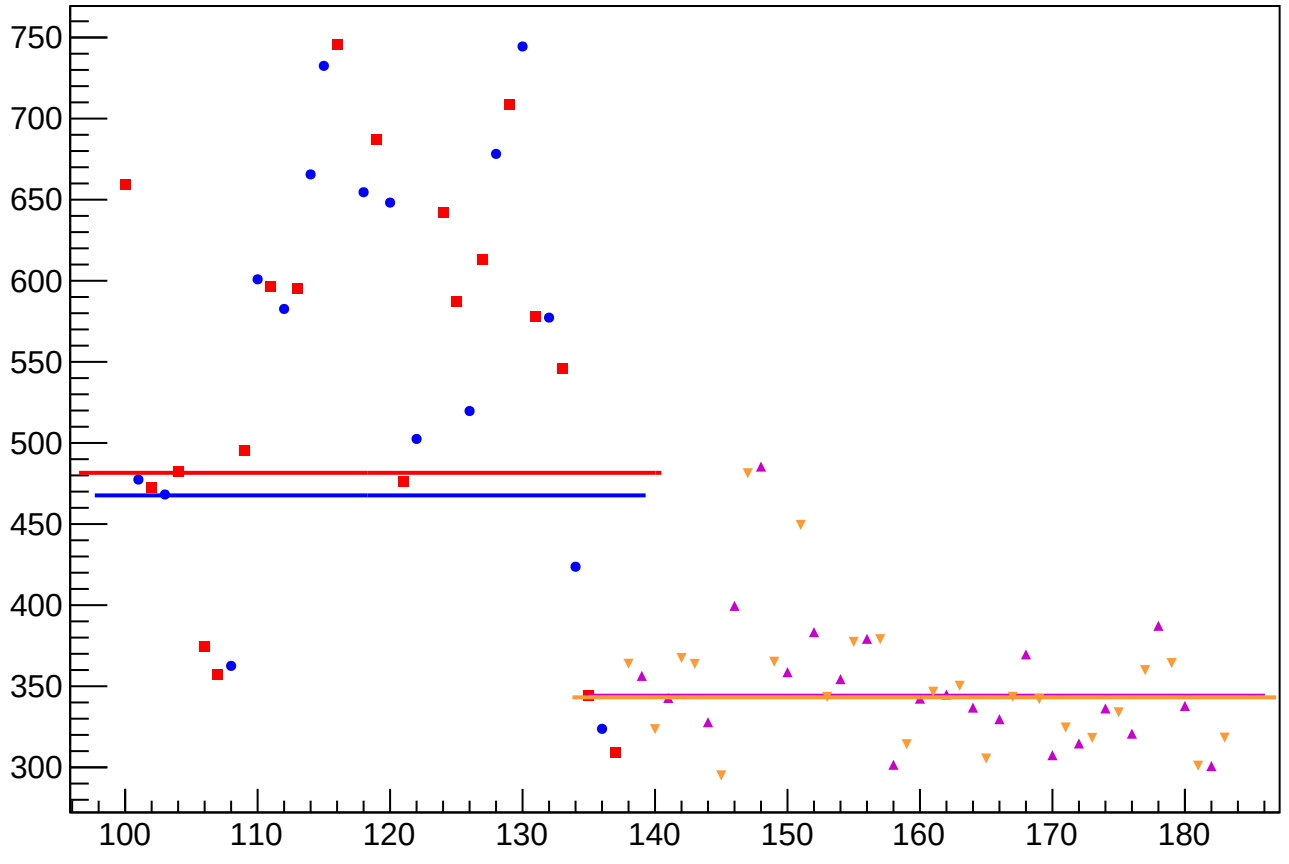
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 1.093+/-81.639 χ^2/NDF:33.8/21

+ sign -112.734+/-72.423 χ^2/NDF: 45.3/39

All: -54.724+/-51.916 χ^2/NDF: 95.8/80

- sign 6.591+/-74.458 χ^2/NDF: 49.3/40



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 343.164+/-0.056 χ^2/NDF:426060.8/23

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

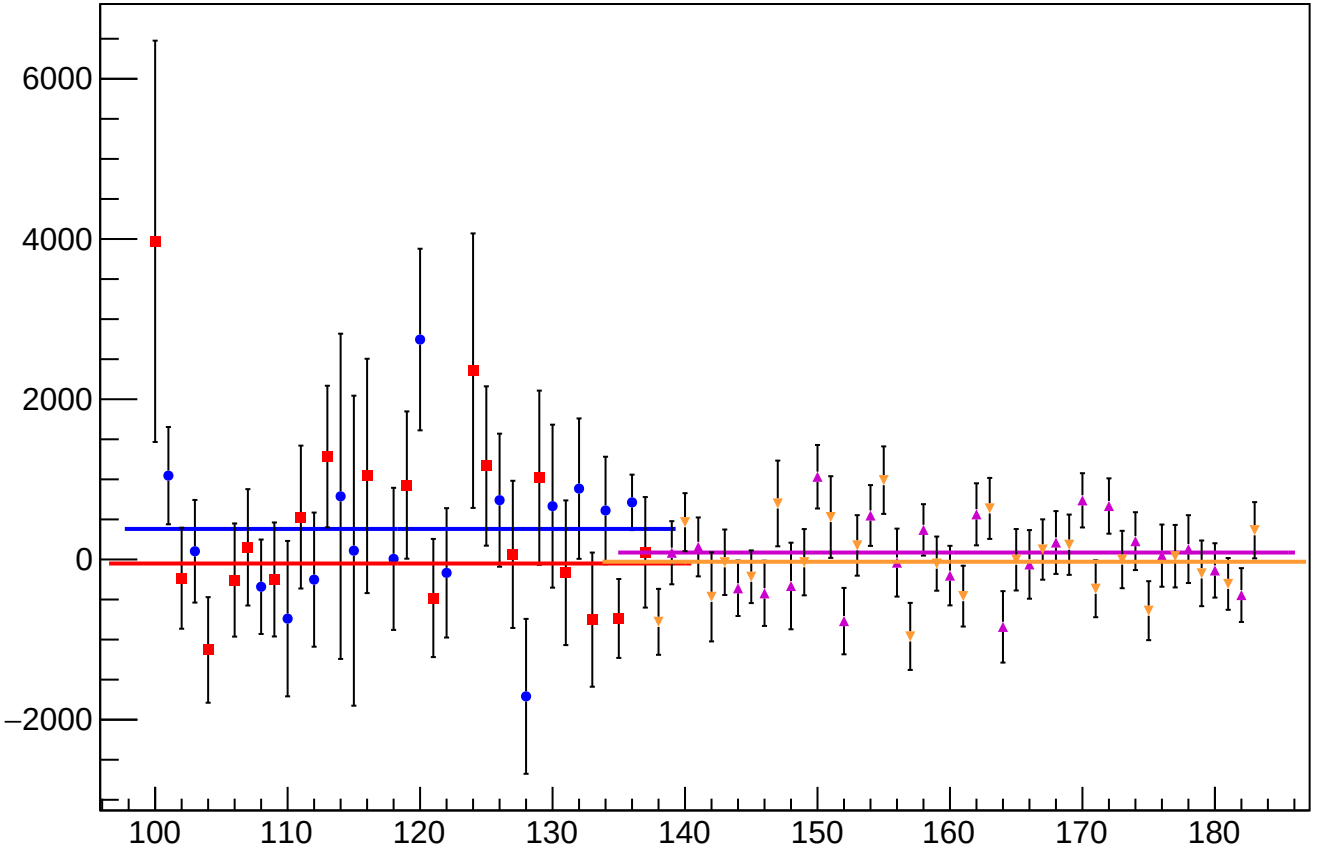
Left In: 344.171+/-0.058 χ^2/NDF:360969.6/21

+ sign 363.246+/-0.051 χ^2/NDF: 2211645.2/39

All: 365.209+/-0.037 χ^2/NDF: 4383068.7/80

- sign 367.284+/-0.053 χ^2/NDF: 2168400.3/40

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -28.550+/-78.982 χ^2/NDF:30.9/23

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

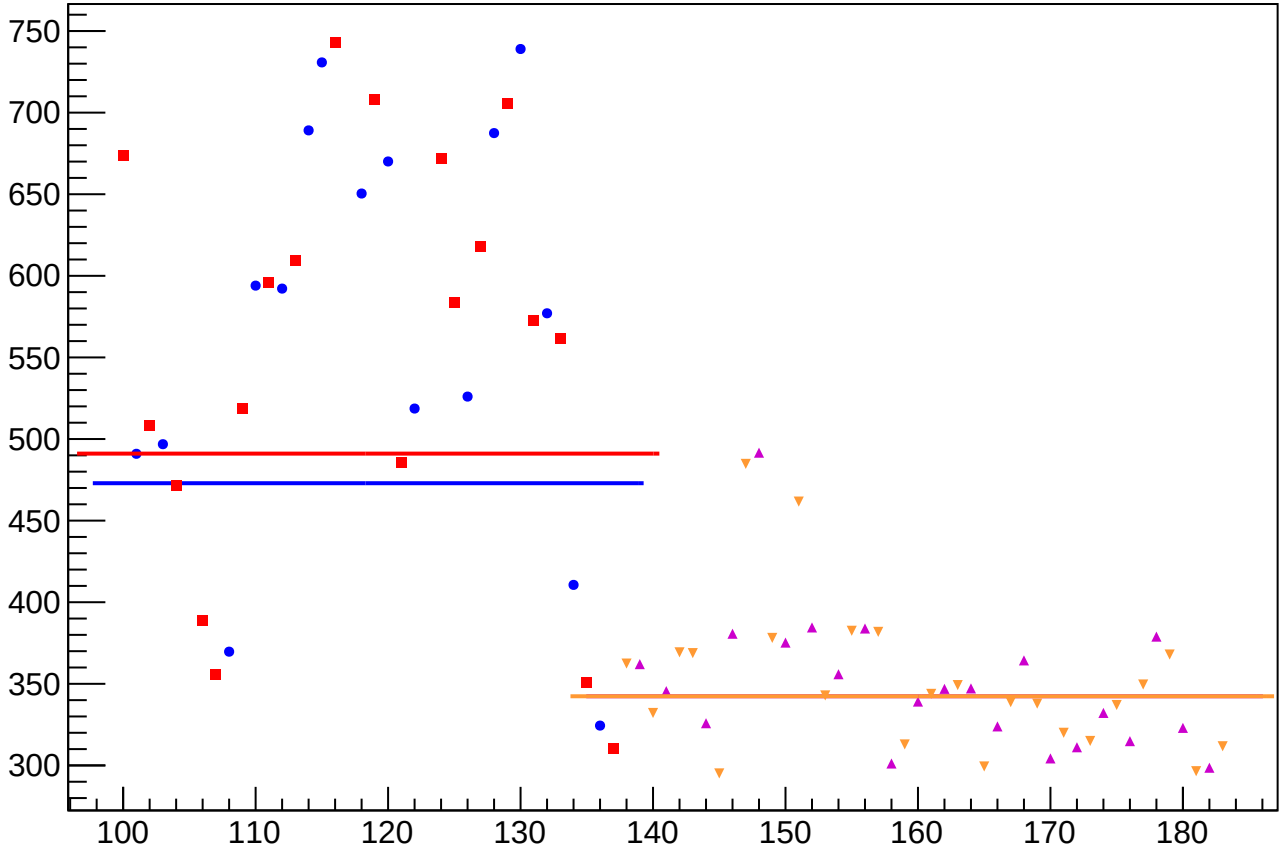
Left In: 86.420+/-81.251 χ^2/NDF:32.5/21

+ sign 35.978+/-72.495 χ^2/NDF: 51.3/39

All: 49.794+/-51.925 χ^2/NDF: 101.8/80

- sign 64.350+/-74.409 χ^2/NDF: 50.4/40

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 342.375+/-0.056 χ^2/NDF:488460.7/23

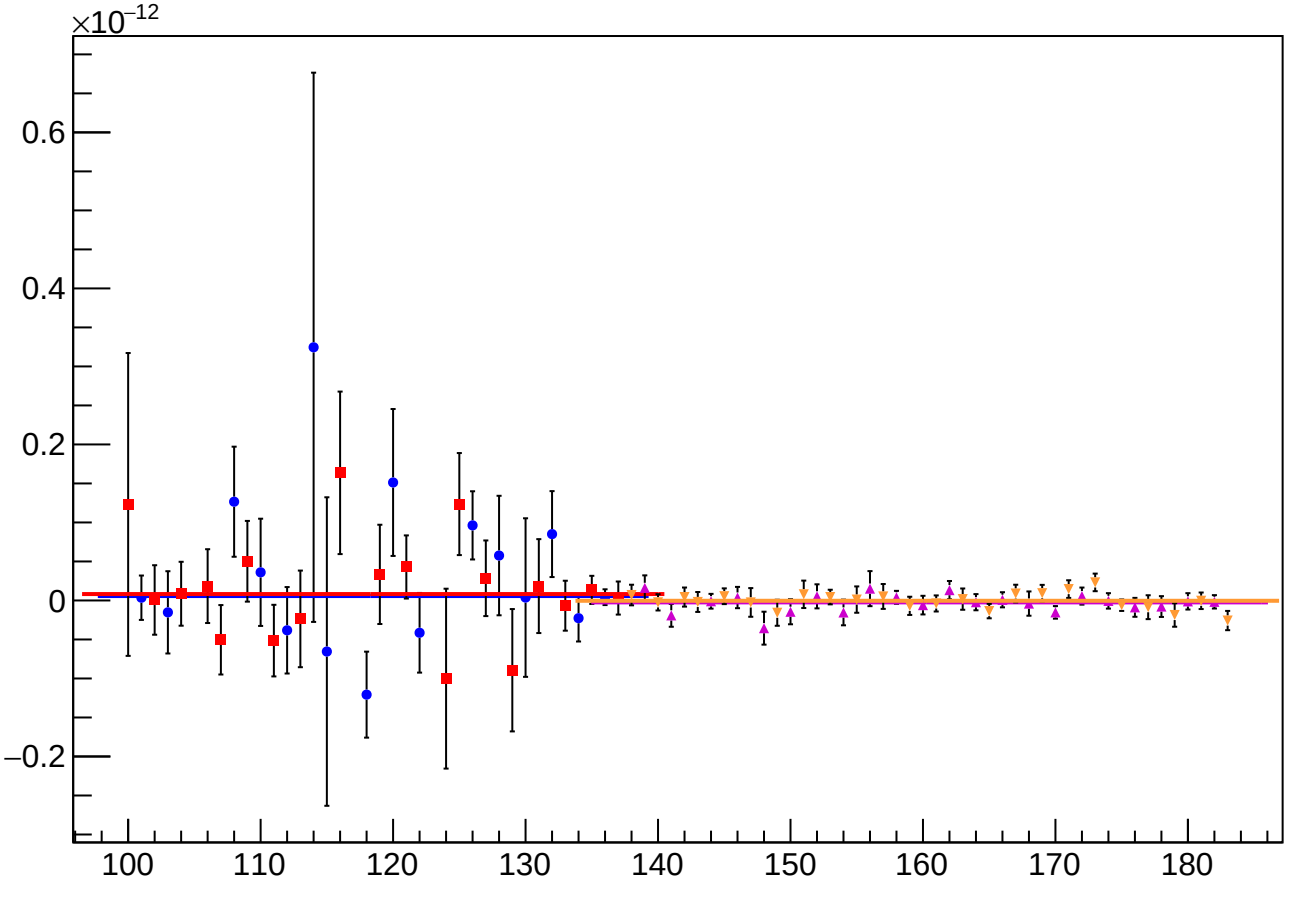
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 342.379+/-0.057 χ^2/NDF:388461.8/21

+ sign 362.940+/-0.051 χ^2/NDF: 2349477.0/39

All: 364.607+/-0.037 χ^2/NDF: 4668003.8/80

- sign 366.364+/-0.053 χ^2/NDF: 2316353.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

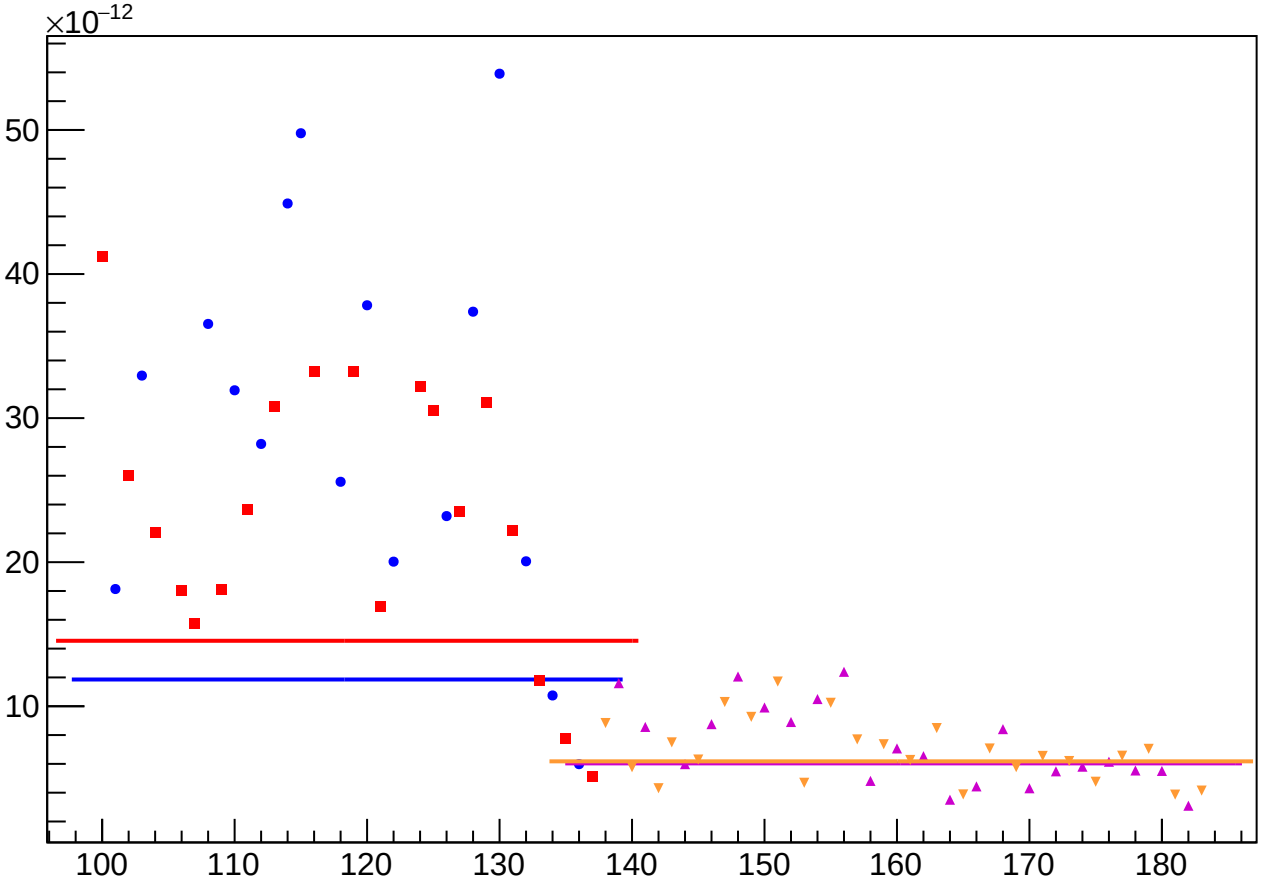
Left In: -0.000+/-0.000 χ^2/NDF:13.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 40.6/39

All: -0.000+/-0.000 χ^2/NDF: 69.8/80

- sign -0.000+/-0.000 χ^2/NDF: 28.8/40

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1154629.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

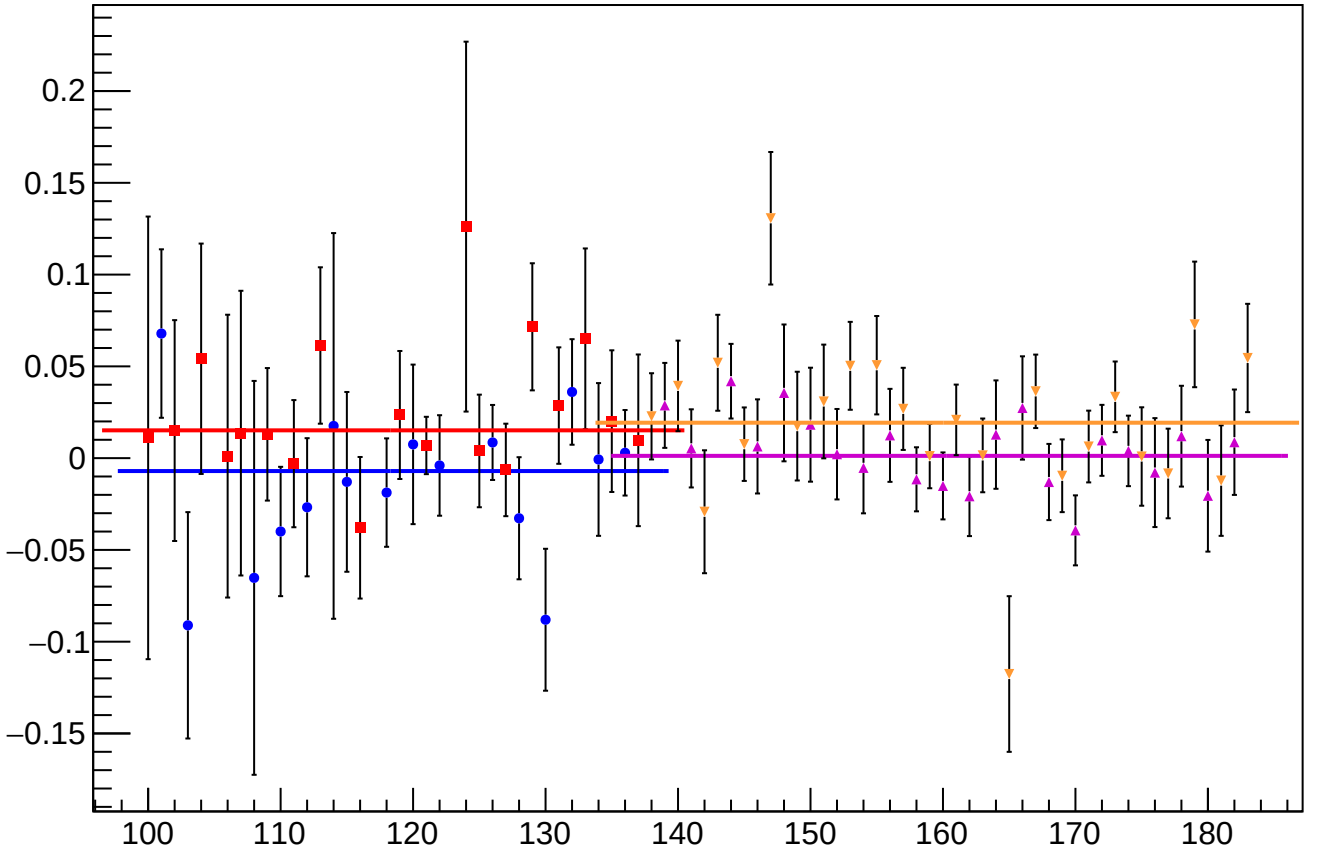
Left In: 0.000+/-0.000 χ^2/NDF:1660273.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 4906861.5/39

All: 0.000+/-0.000 χ^2/NDF: 9903780.9/80

- sign 0.000+/-0.000 χ^2/NDF: 4996725.3/40

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

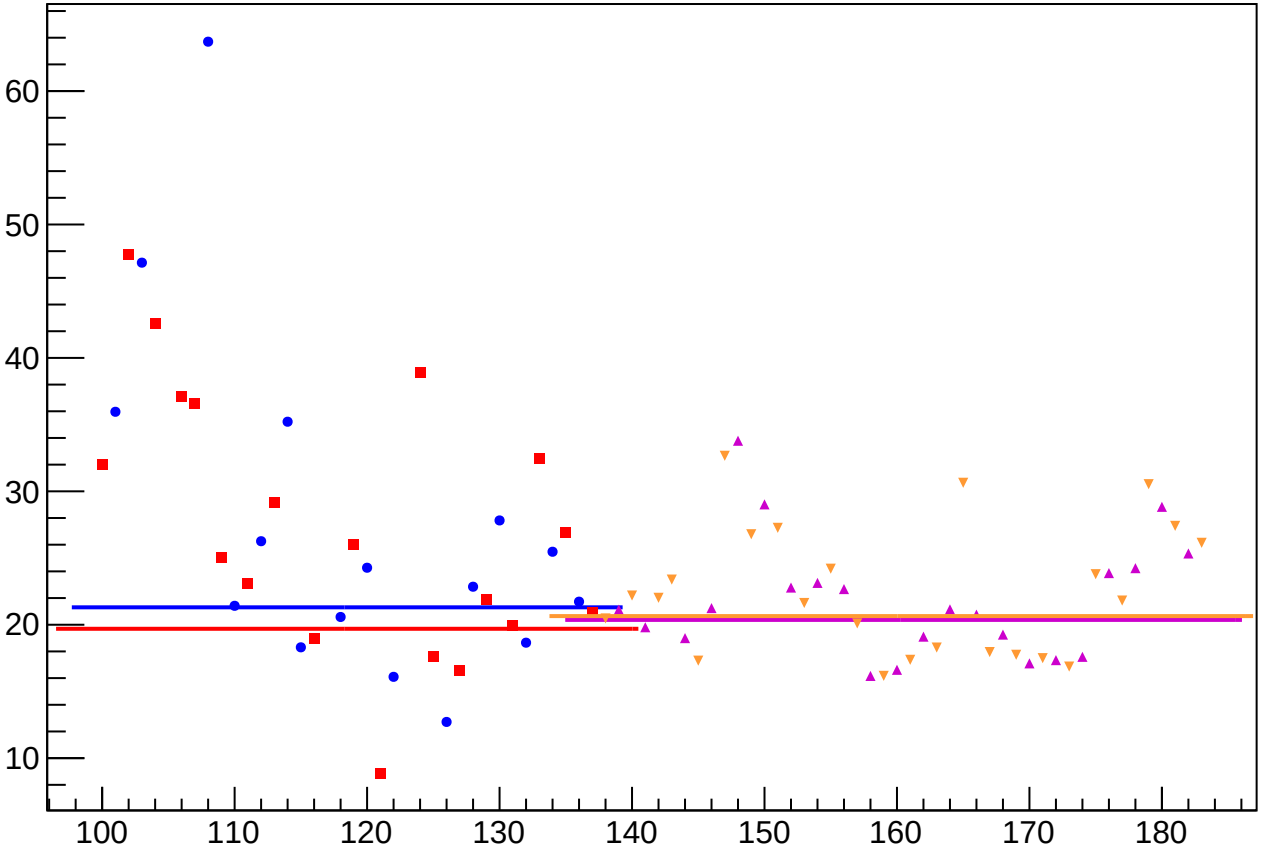
Left In: 0.001+/-0.005 χ^2/NDF:16.3/21

+ sign 0.013+/-0.004 χ^2/NDF: 61.8/39

All: 0.009+/-0.003 χ^2/NDF: 92.0/80

- sign 0.005+/-0.004 χ^2/NDF: 28.5/40

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432120.9/23

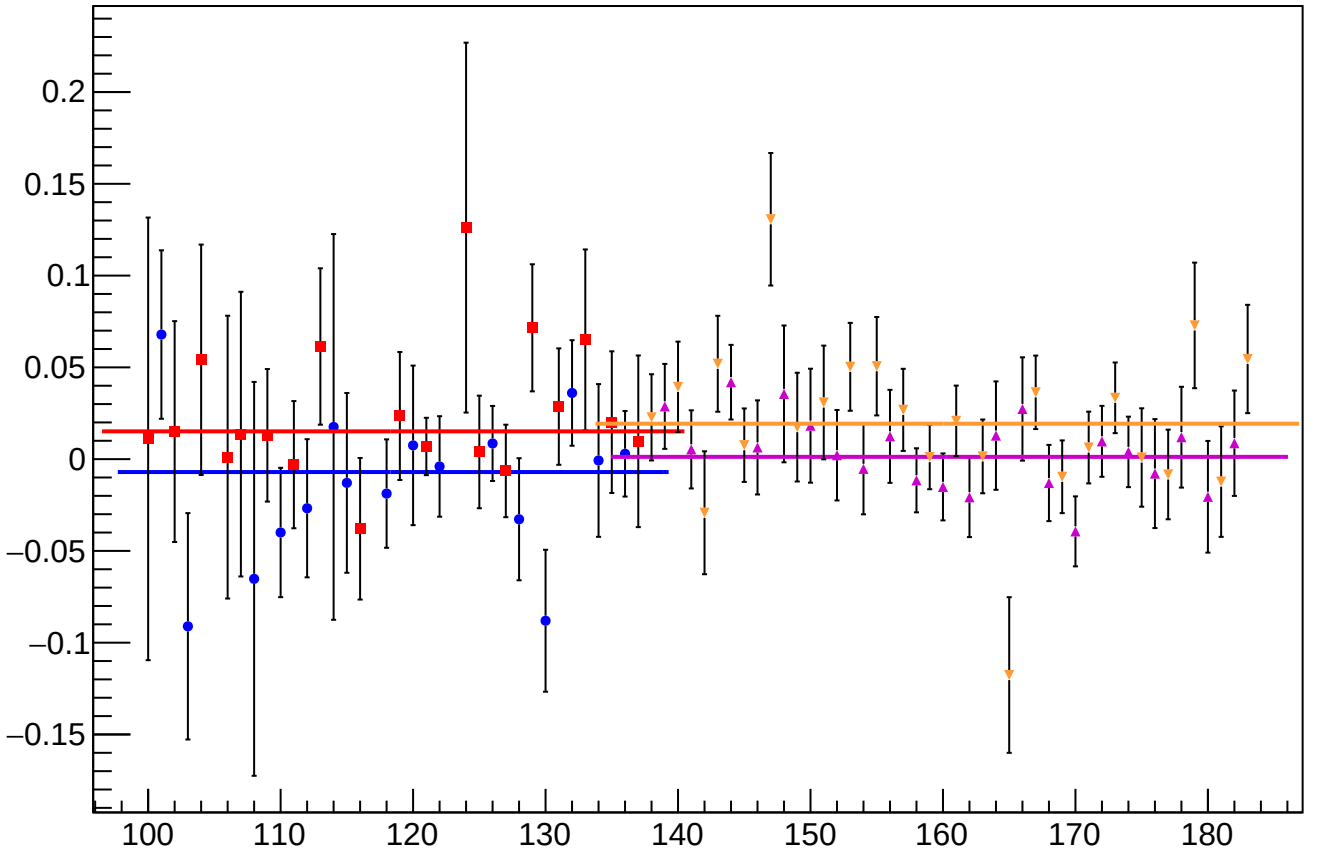
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.362+/-0.004 χ^2/NDF:1136967.0/21

+ sign 20.808+/-0.003 χ^2/NDF: 2920320.9/39

All: 20.496+/-0.002 χ^2/NDF: 6527346.4/80

- sign 20.185+/-0.003 χ^2/NDF: 3585546.7/40



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

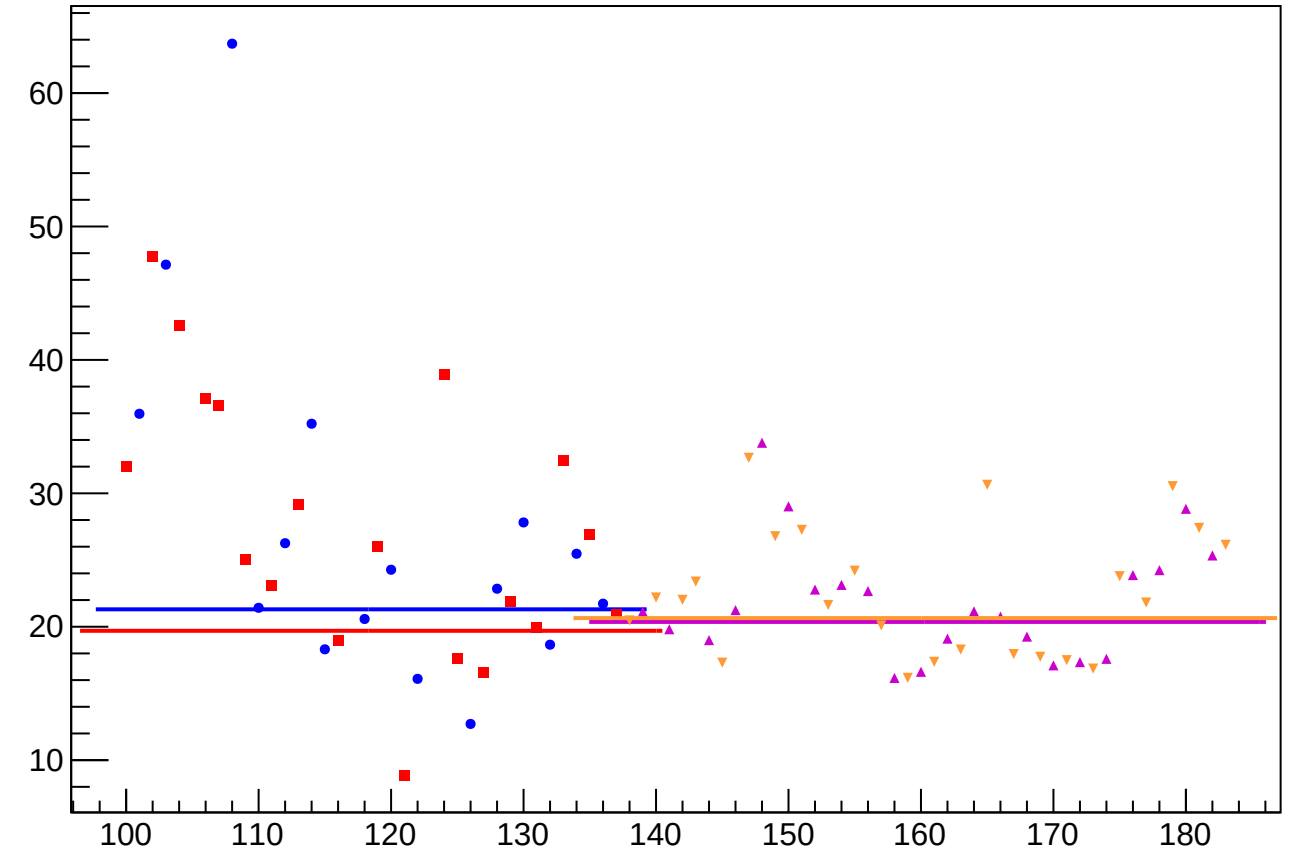
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:16.3/21

+ sign 0.013+/-0.004 χ^2/NDF: 61.8/39

All: 0.009+/-0.003 χ^2/NDF: 92.0/80

- sign 0.005+/-0.004 χ^2/NDF: 28.5/40



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432120.9/23

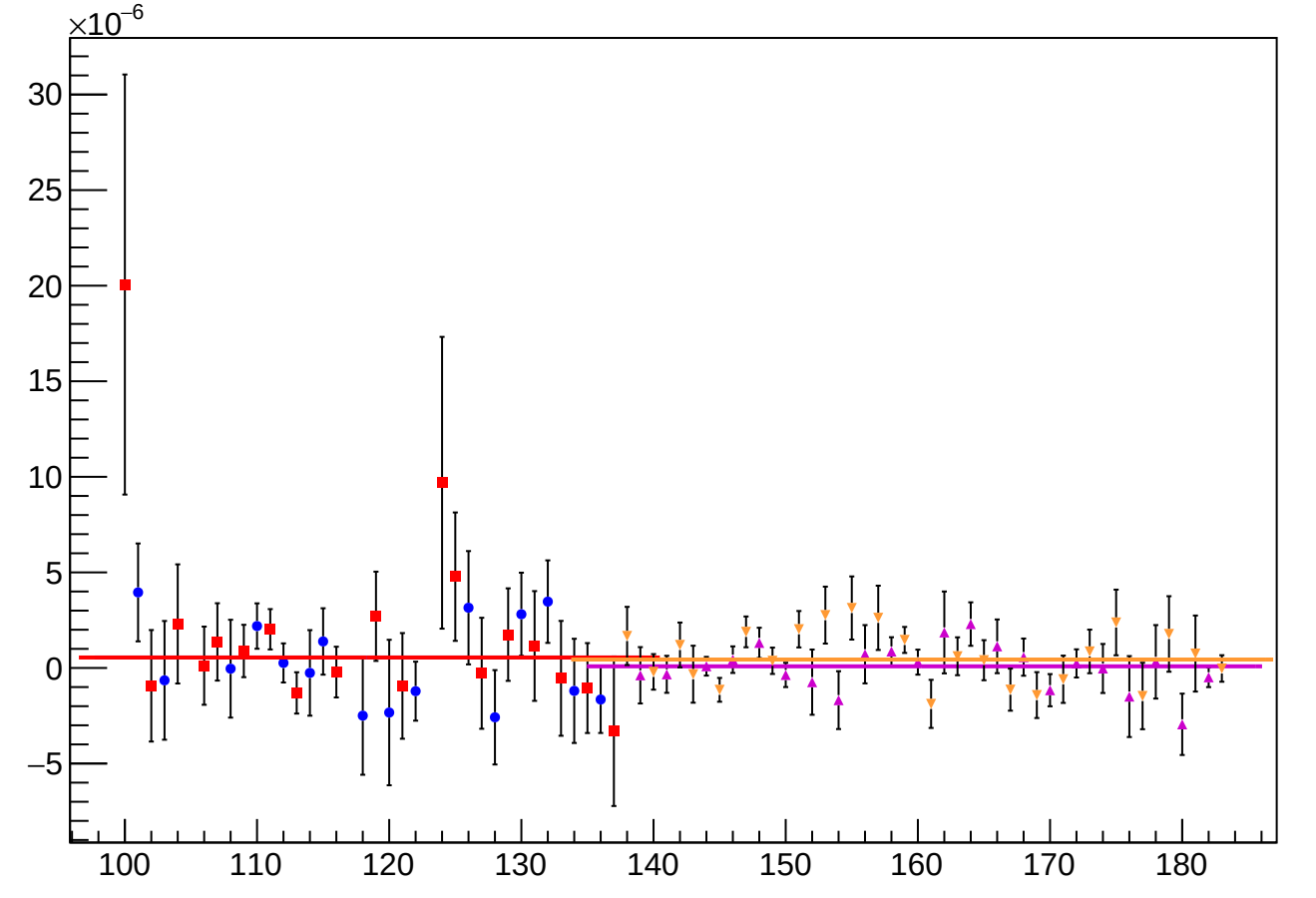
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.362+/-0.004 χ^2/NDF:1136967.0/21

+ sign 20.808+/-0.003 χ^2/NDF: 2920320.9/39

All: 20.496+/-0.002 χ^2/NDF: 6527346.4/80

- sign 20.185+/-0.003 χ^2/NDF: 3585546.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

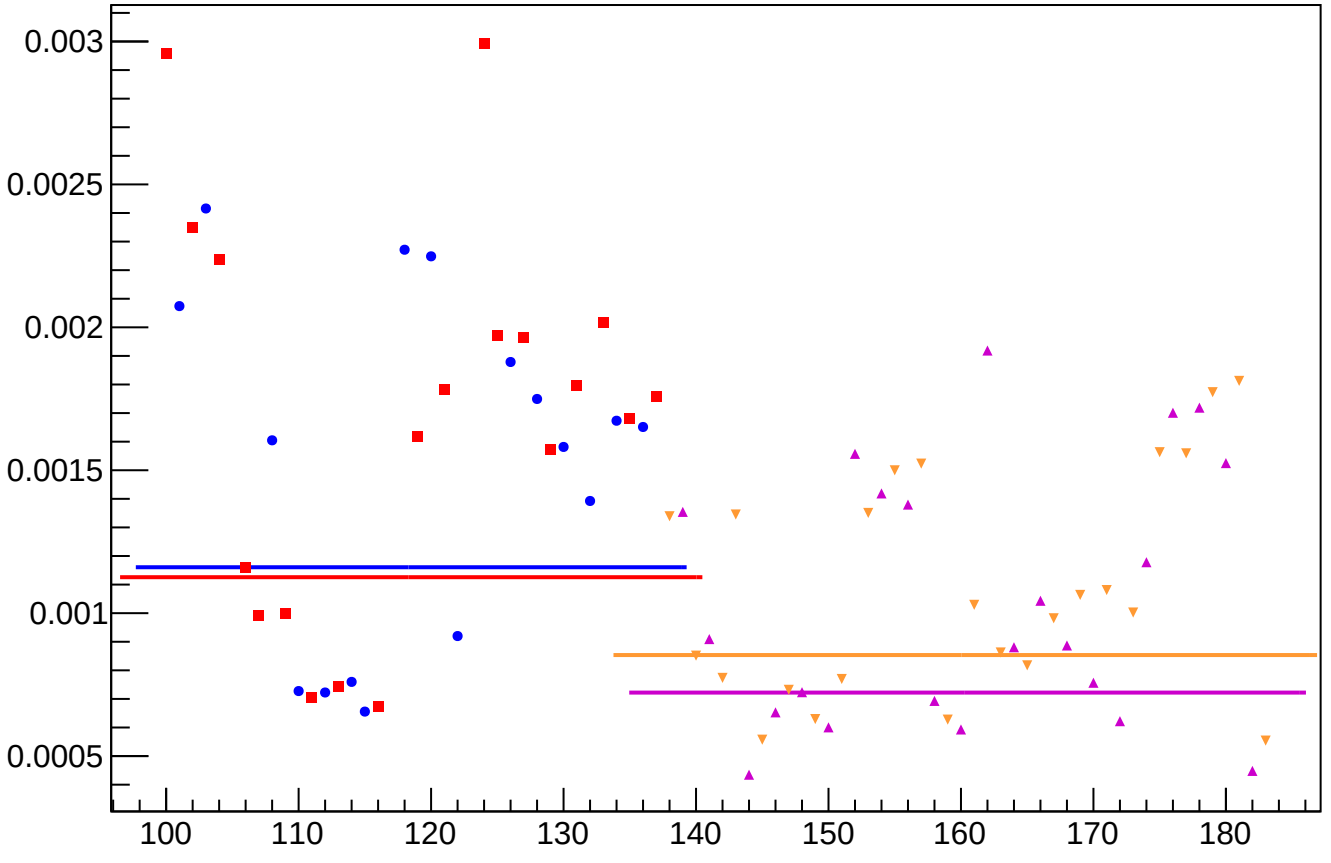
Left In: 0.000+/-0.000 χ^2/NDF:19.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 50.0/39

All: 0.000+/-0.000 χ^2/NDF: 86.9/80

- sign 0.000+/-0.000 χ^2/NDF: 35.5/40

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4393910.2/23

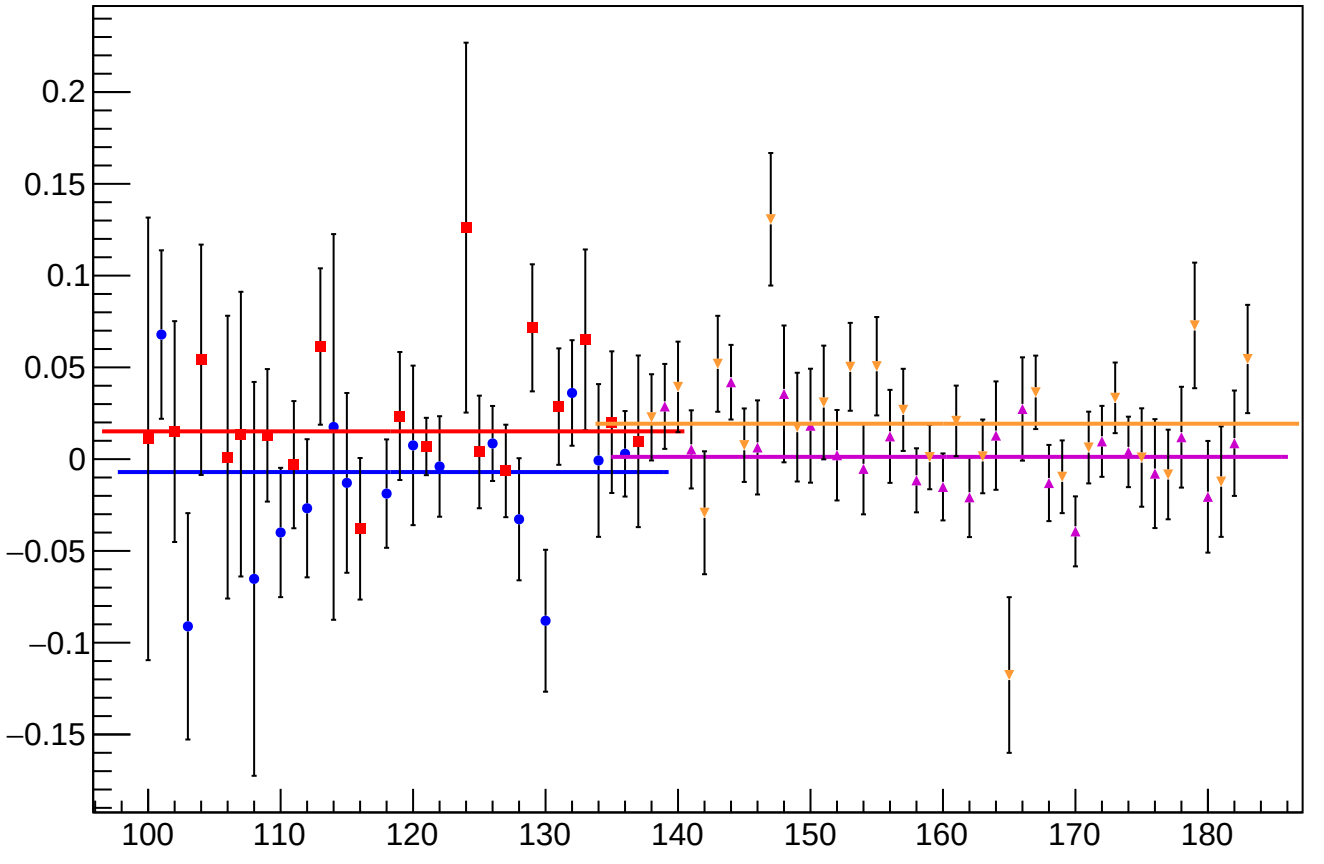
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:5730785.3/21

+ sign 0.001+/-0.000 χ^2/NDF: 7616599.6/39

All: 0.001+/-0.000 χ^2/NDF: 17748172.2/80

- sign 0.001+/-0.000 χ^2/NDF: 9681481.5/40



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

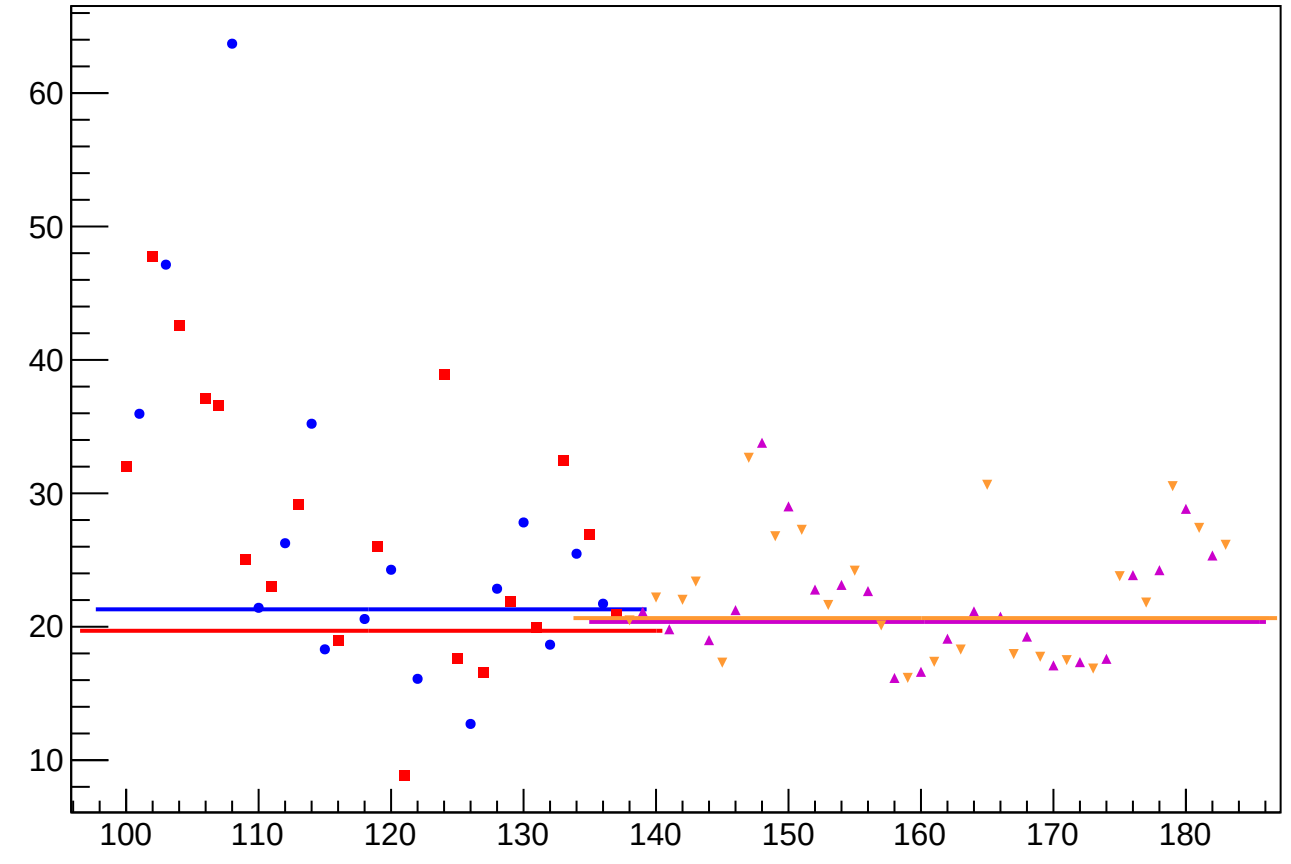
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:16.3/21

+ sign 0.013+/-0.004 χ^2/NDF: 61.8/39

All: 0.009+/-0.003 χ^2/NDF: 92.0/80

- sign 0.005+/-0.004 χ^2/NDF: 28.5/40



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432222.7/23

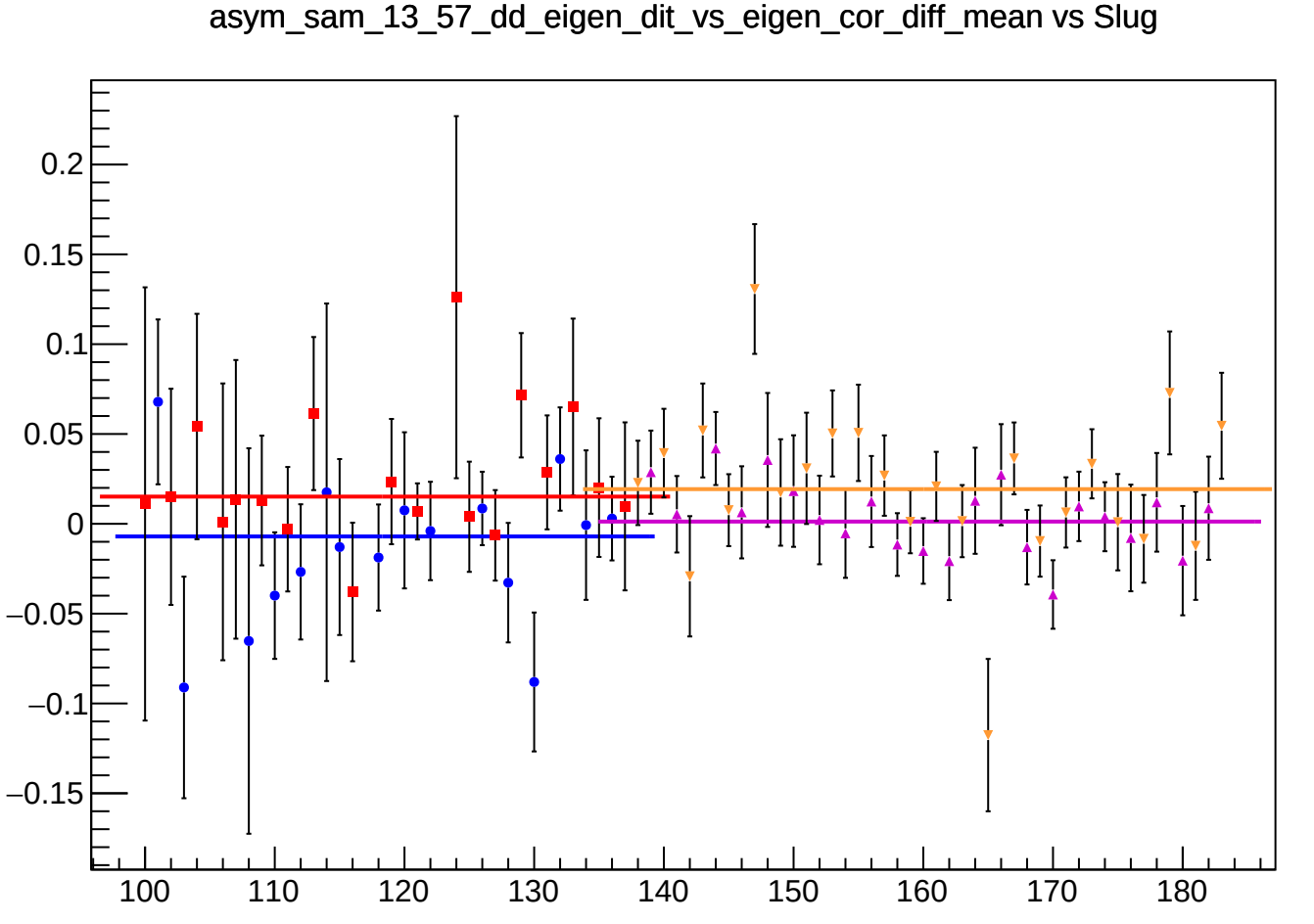
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.362+/-0.004 χ^2/NDF:1137014.5/21

\+ sign 20.808+/-0.003 χ^2/NDF: 2920265.1/39

All: 20.496+/-0.002 χ^2/NDF: 6526941.1/80

\- sign 20.185+/-0.003 χ^2/NDF: 3585209.0/40



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

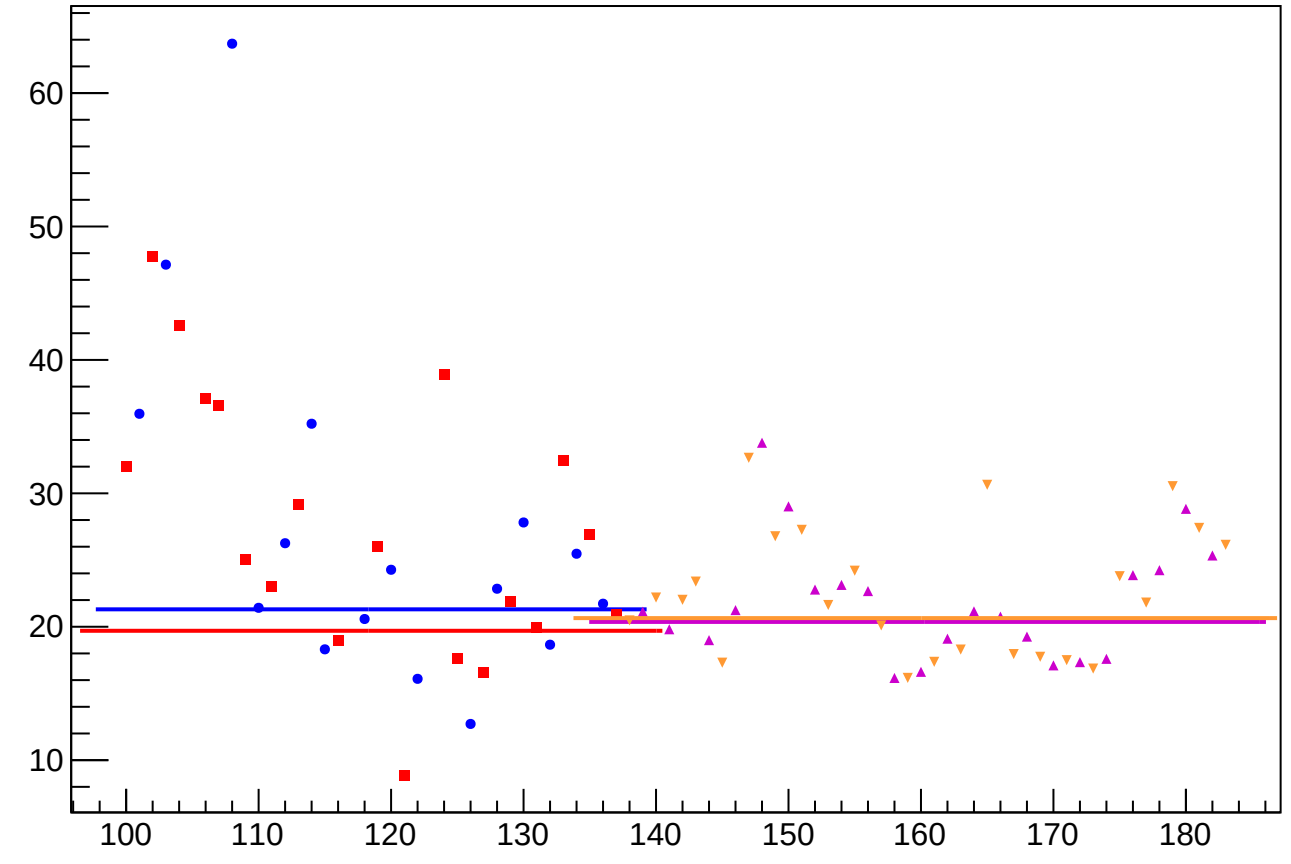
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:16.3/21

+ sign 0.013+/-0.004 χ^2/NDF: 61.8/39

All: 0.009+/-0.003 χ^2/NDF: 92.0/80

- sign 0.005+/-0.004 χ^2/NDF: 28.5/40



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432222.7/23

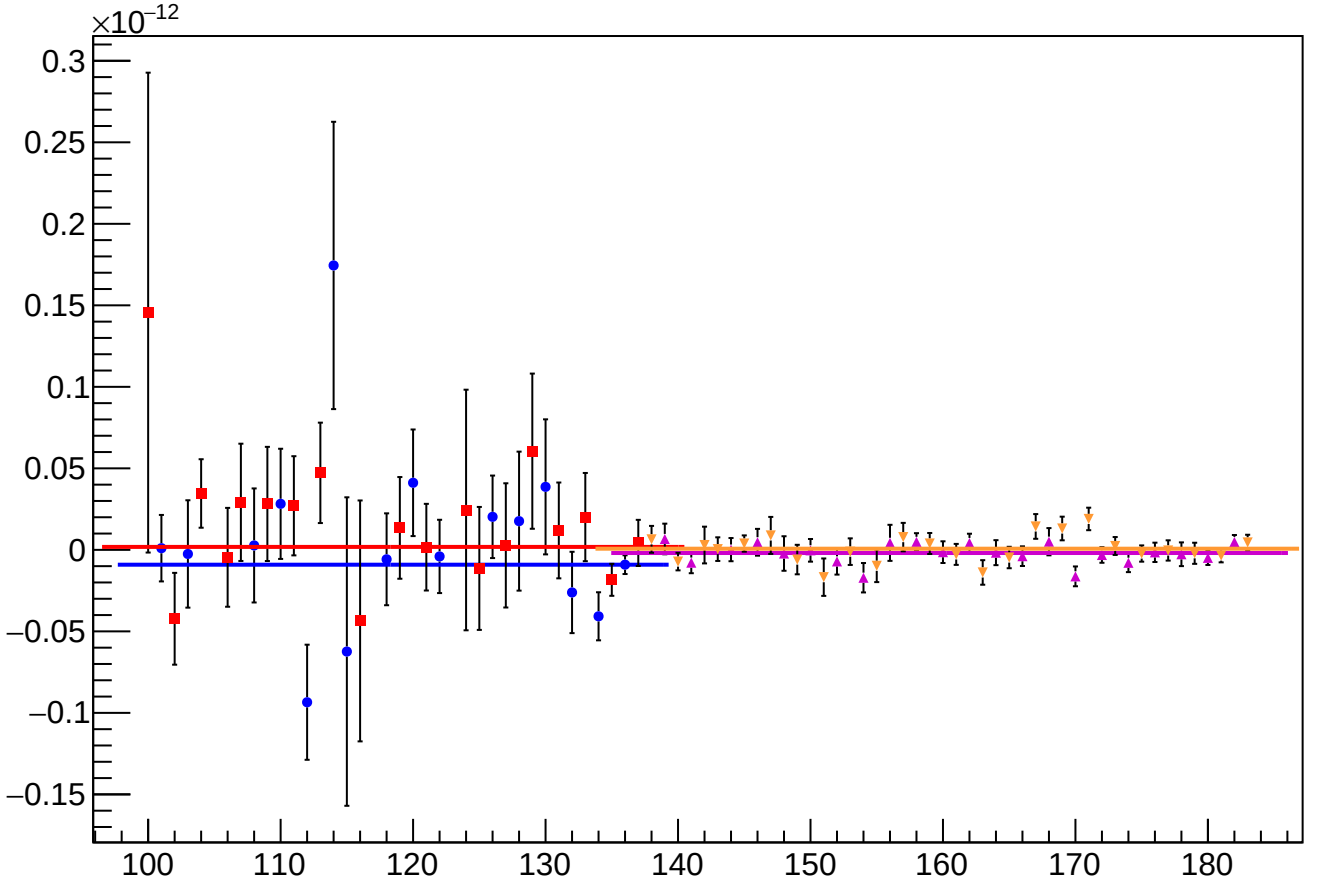
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.362+/-0.004 χ^2/NDF:1137014.5/21

+ sign 20.808+/-0.003 χ^2/NDF: 2920265.1/39

All: 20.496+/-0.002 χ^2/NDF: 6526941.1/80

- sign 20.185+/-0.003 χ^2/NDF: 3585209.0/40



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/23

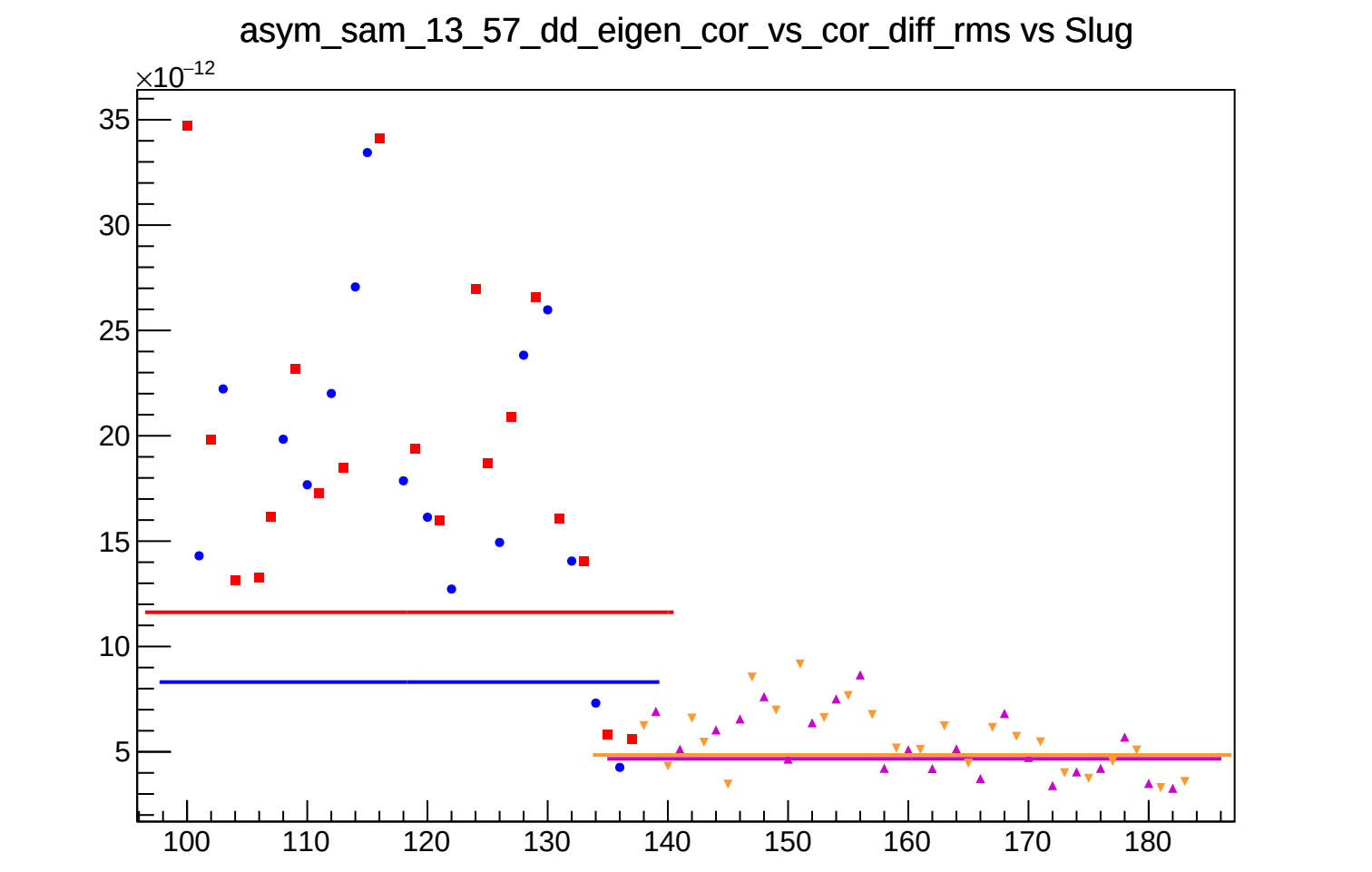
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/39

All: -0.000+/-0.000 χ^2/NDF: 93.2/80

- sign -0.000+/-0.000 χ^2/NDF: 36.7/40


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
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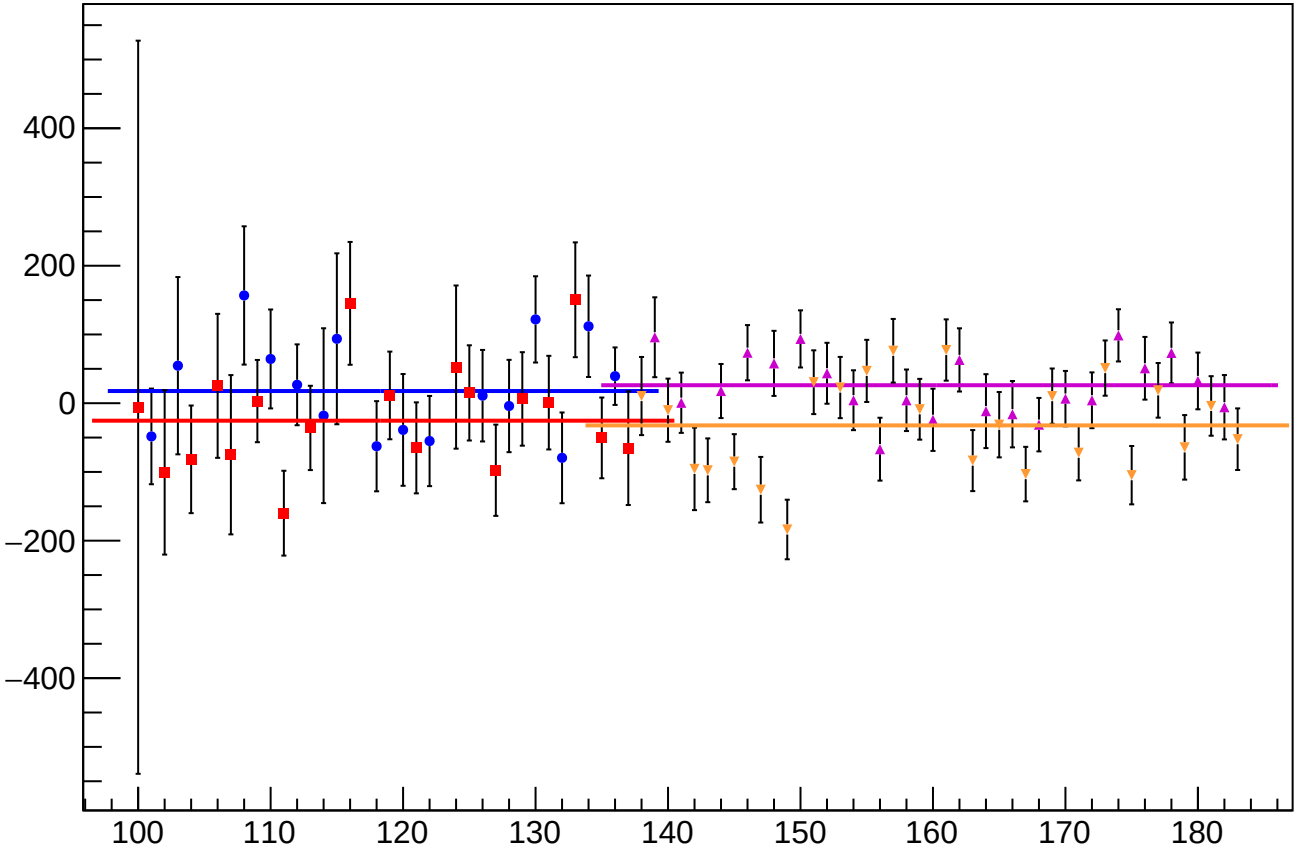
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2009363.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1806799.2/21
+ sign 0.000+/-0.000 χ²/NDF: 6829413.8/39
All: 0.000+/-0.000 χ²/NDF: 14084140.3/80
- sign 0.000+/-0.000 χ²/NDF: 7250150.4/40

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.279+/-9.064 χ^2/NDF:56.5/23

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

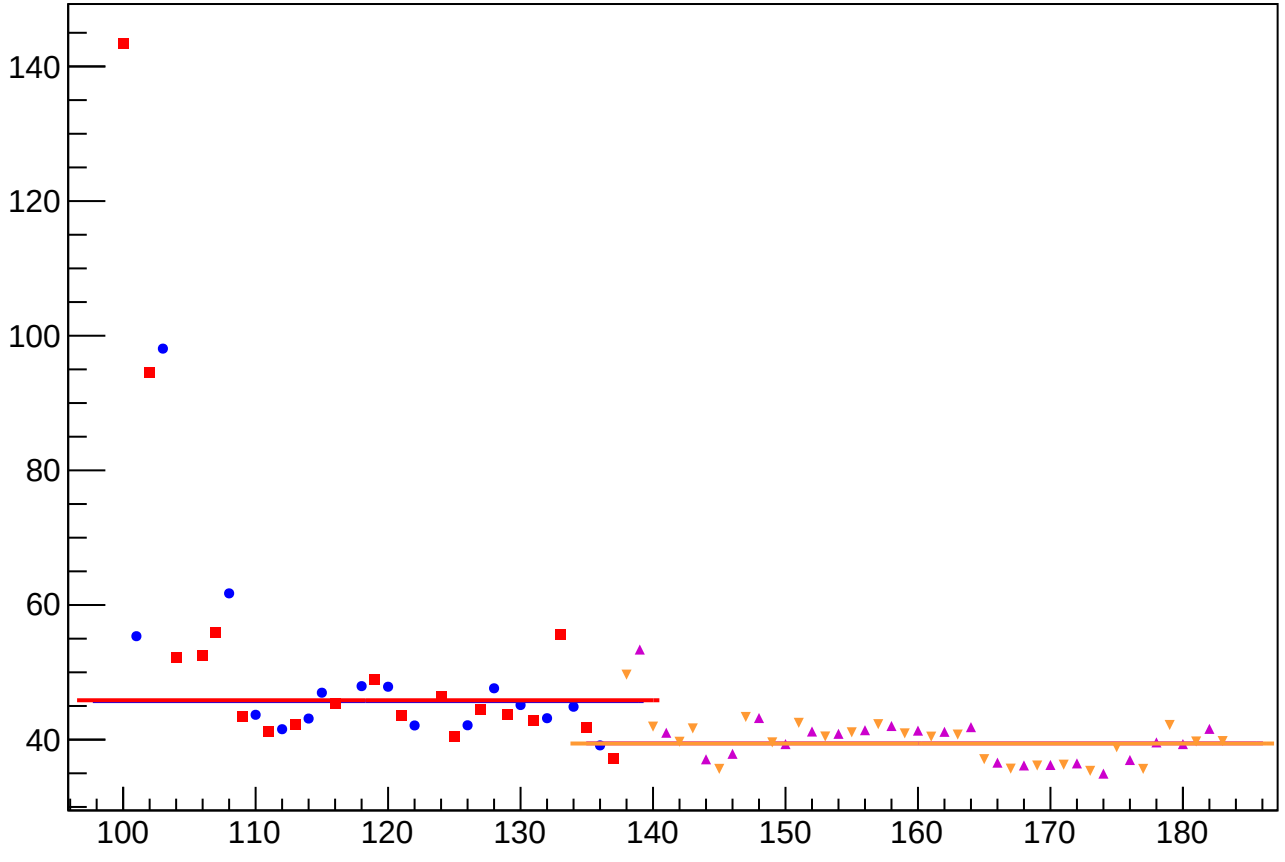
Left In: 26.151+/-9.339 χ^2/NDF:22.5/21

+ sign -21.679+/-8.046 χ^2/NDF: 76.9/39

All: -3.957+/-5.750 χ^2/NDF: 134.0/80

- sign 14.548+/-8.222 χ^2/NDF: 47.2/40

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.424+/-0.006 χ^2/NDF:226074.4/23

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

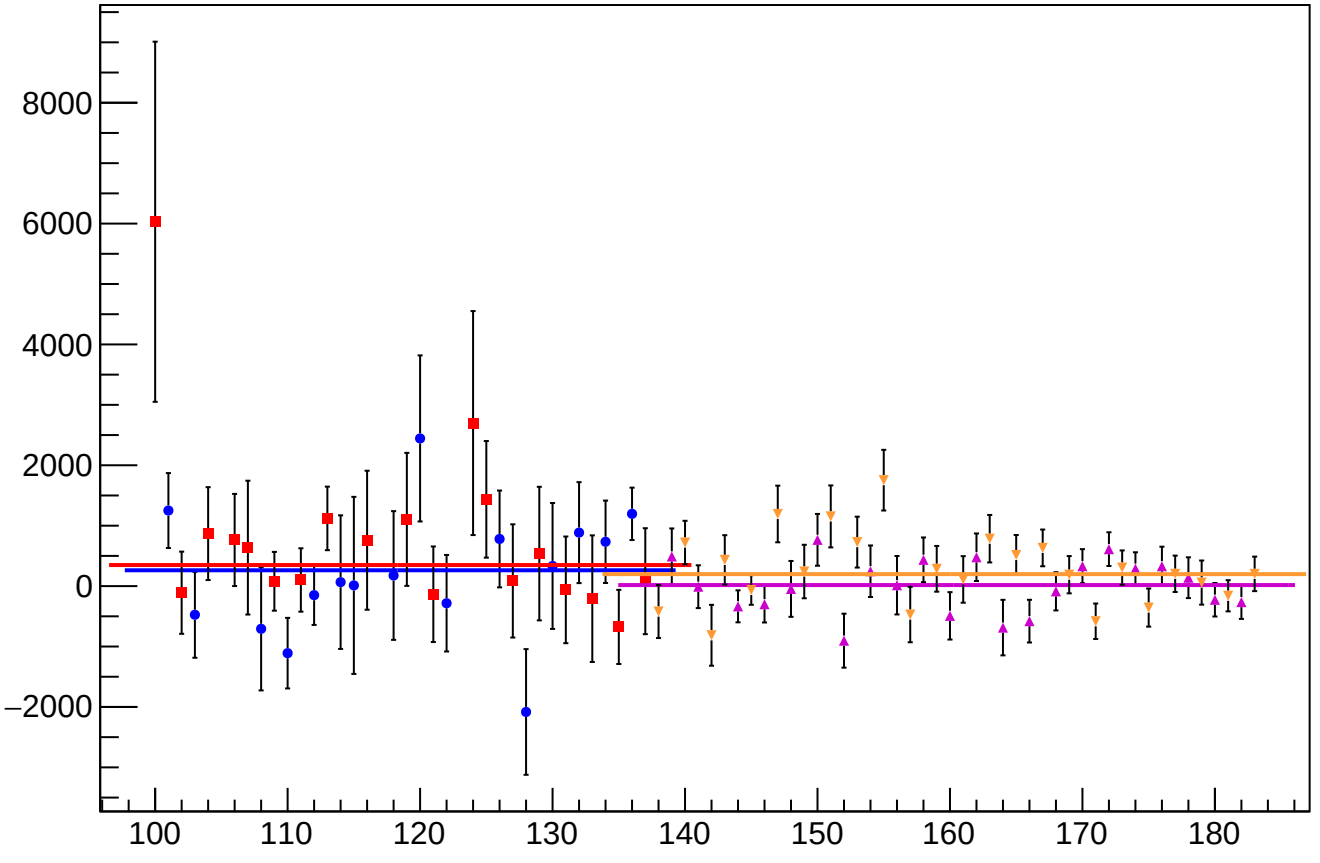
Left In: 39.451+/-0.007 χ^2/NDF:249226.5/21

+ sign 40.761+/-0.006 χ^2/NDF: 932617.4/39

All: 40.824+/-0.004 χ^2/NDF: 1933407.7/80

- sign 40.890+/-0.006 χ^2/NDF: 1000539.8/40

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 198.150+/-71.119 χ^2/NDF:48.5/23

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

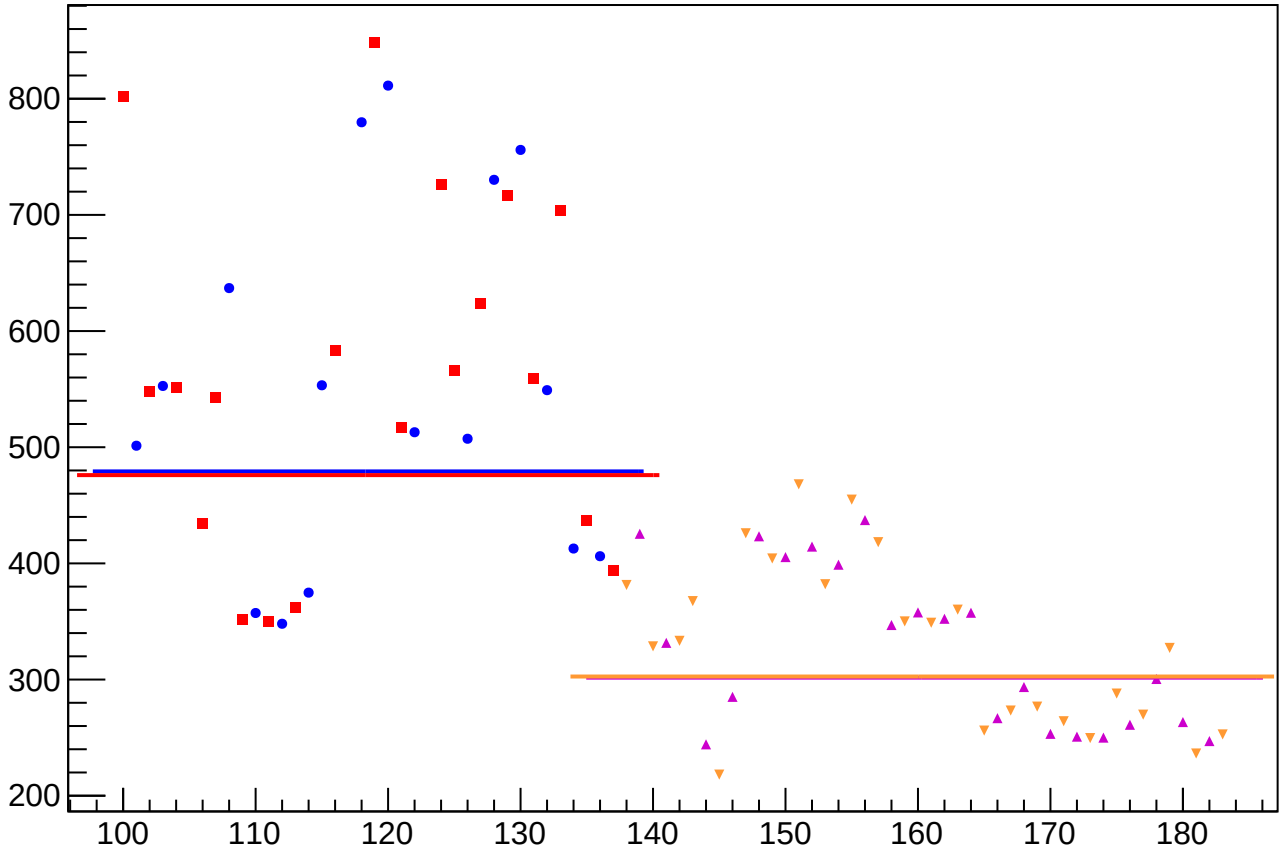
Left In: 17.235+/-72.745 χ^2/NDF:30.8/21

+ sign 206.347+/-66.392 χ^2/NDF: 73.6/39

All: 136.070+/-47.327 χ^2/NDF: 124.5/80

- sign 63.468+/-67.481 χ^2/NDF: 48.6/40

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 302.607+/-0.050 χ^2/NDF:1712886.1/23

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

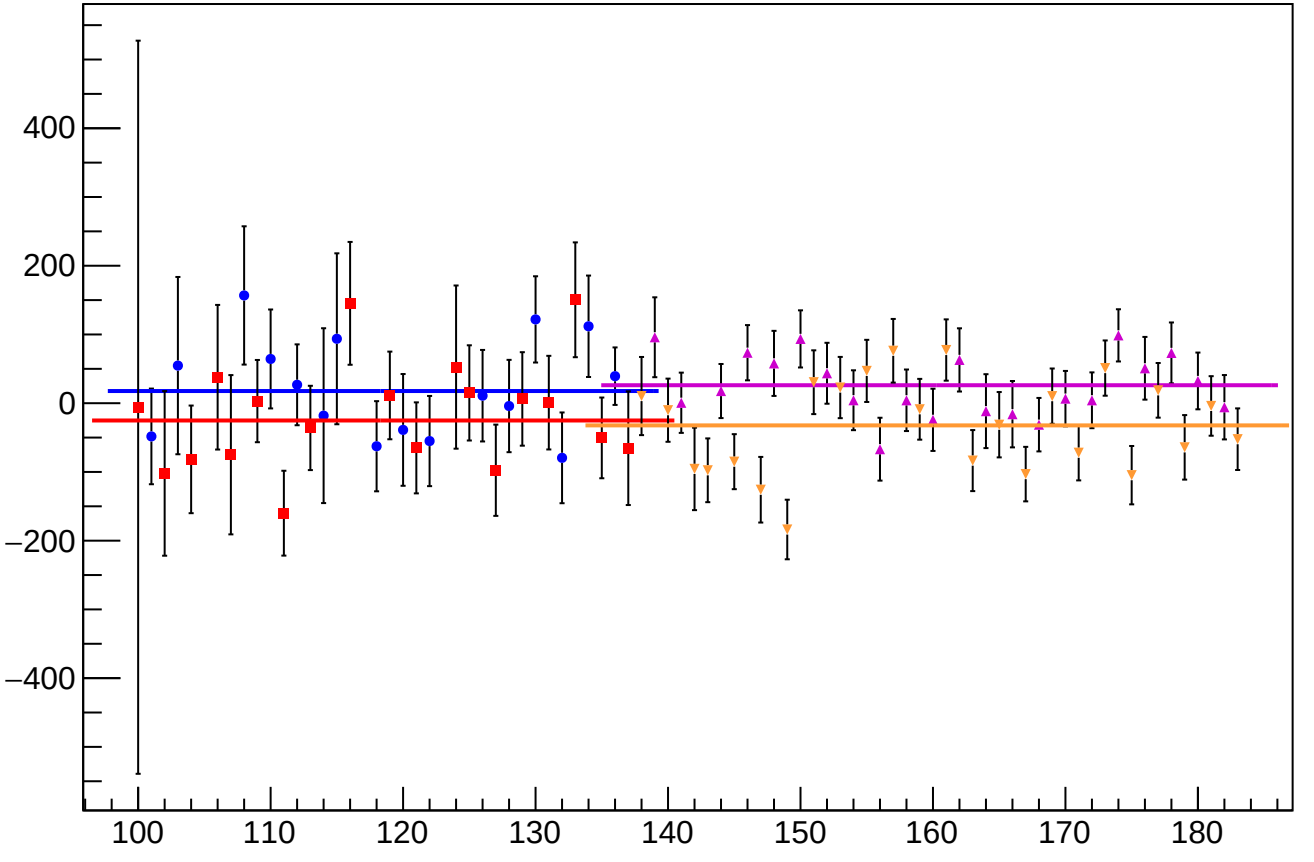
Left In: 301.633+/-0.051 χ^2/NDF:1399935.1/21

+ sign 325.297+/-0.047 χ^2/NDF: 4249742.9/39

All: 325.620+/-0.033 χ^2/NDF: 8258929.9/80

- sign 325.954+/-0.048 χ^2/NDF: 4009090.5/40

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.280+/-9.064 χ^2/NDF:56.5/23

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

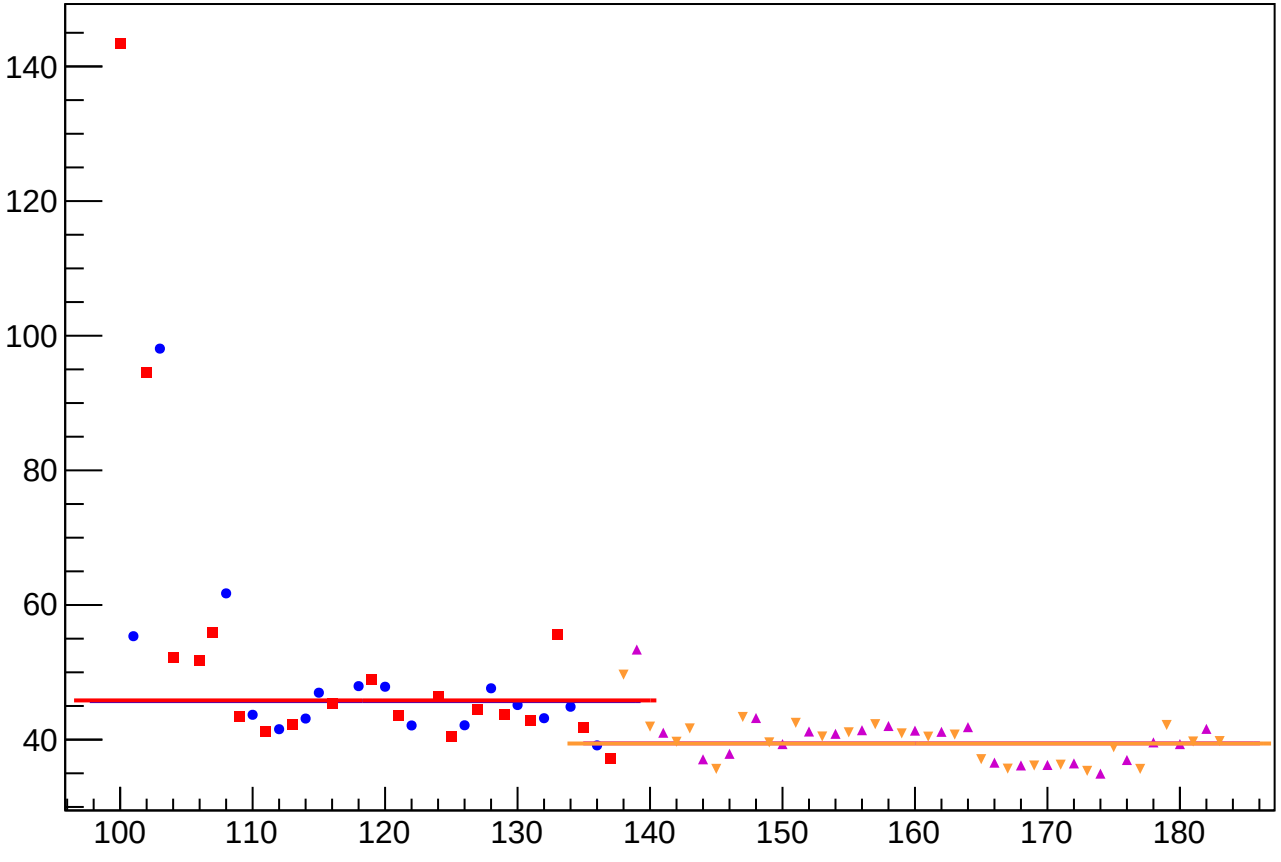
Left In: 26.151+/-9.339 χ^2/NDF:22.5/21

+ sign -21.678+/-8.046 χ^2/NDF: 76.9/39

All: -3.923+/-5.750 χ^2/NDF: 134.1/80

- sign 14.617+/-8.222 χ^2/NDF: 47.2/40

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.424+/-0.006 χ^2/NDF:226074.4/23

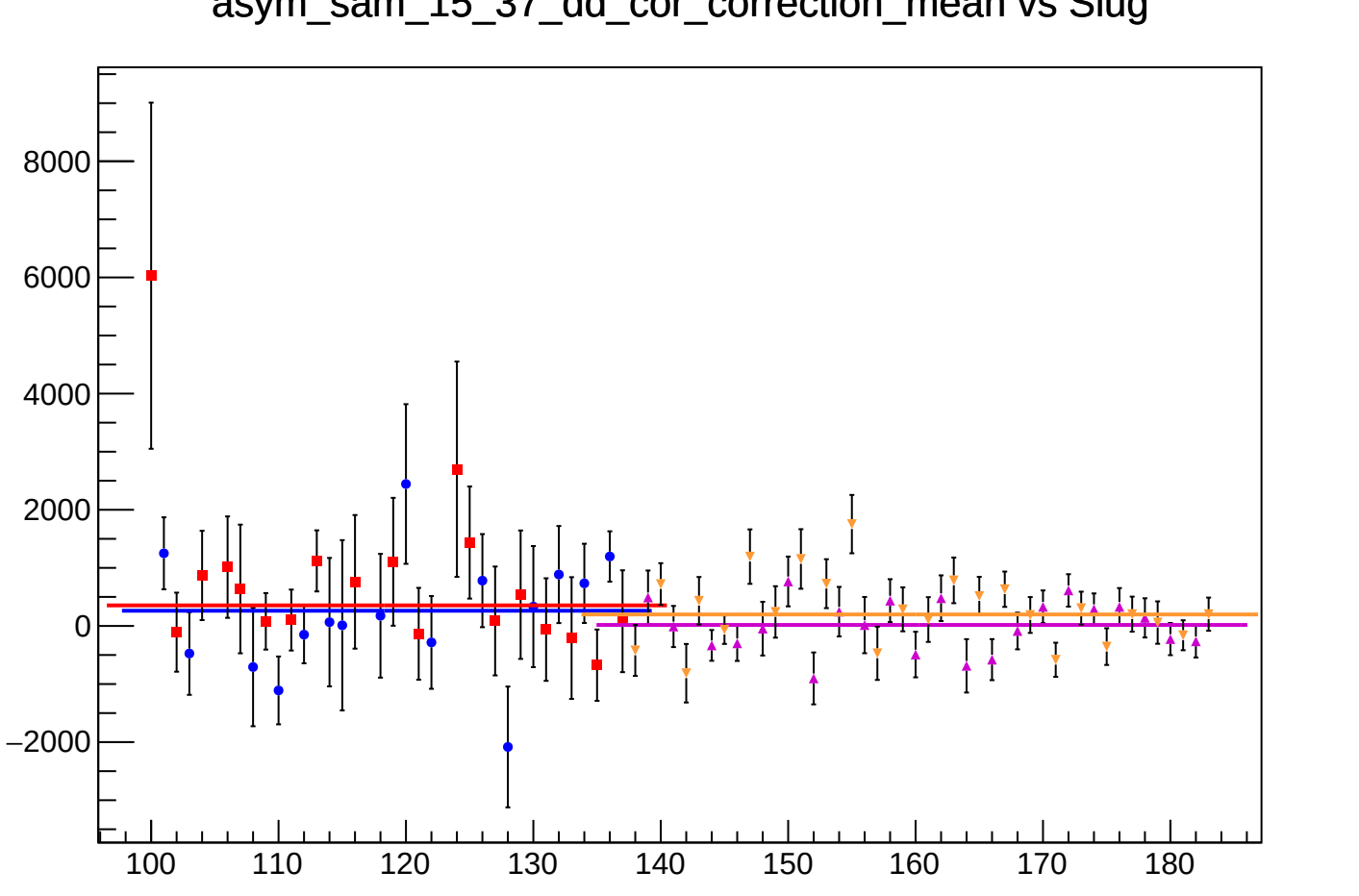
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.451+/-0.007 χ^2/NDF:249226.5/21

+ sign 40.761+/-0.006 χ^2/NDF: 932620.3/39

All: 40.821+/-0.004 χ^2/NDF: 1930088.5/80

- sign 40.884+/-0.006 χ^2/NDF: 997239.2/40



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 198.148+/-71.119 χ^2/NDF:48.5/23

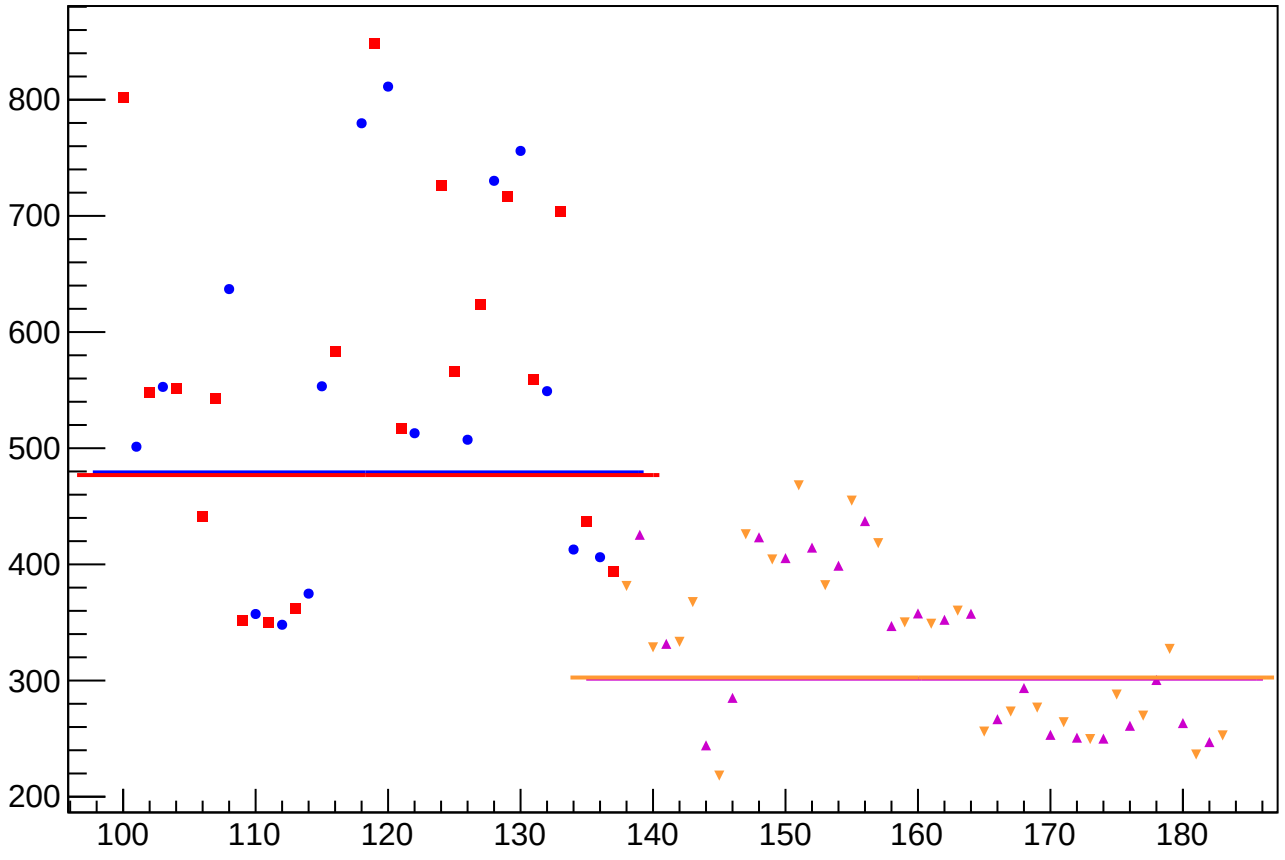
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 17.234+/-72.745 χ^2/NDF:30.8/21

+ sign 206.346+/-66.392 χ^2/NDF: 73.6/39

All: 136.248+/-47.348 χ^2/NDF: 124.8/80

- sign 63.695+/-67.544 χ^2/NDF: 48.9/40



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 302.607+/-0.050 χ^2/NDF:1712882.3/23

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

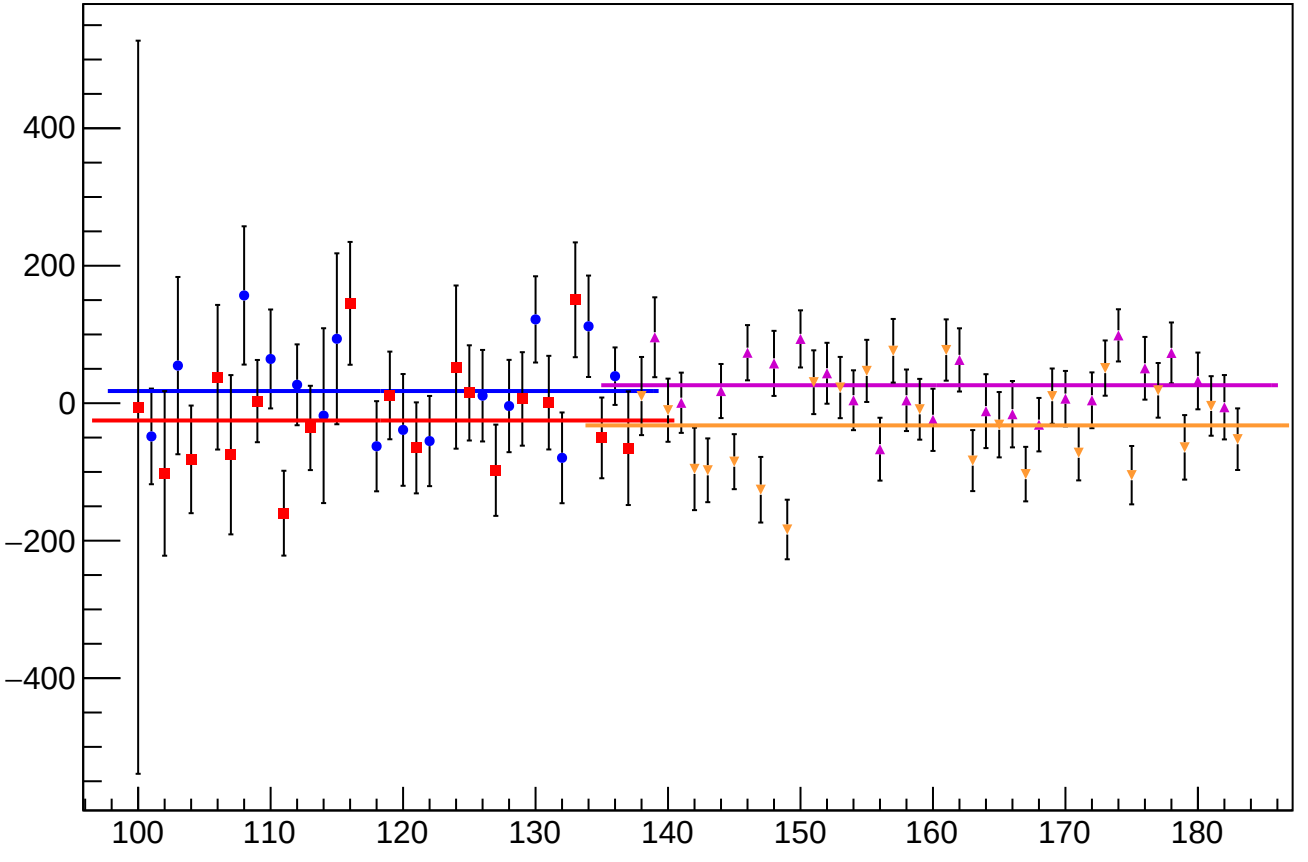
Left In: 301.633+/-0.051 χ^2/NDF:1399942.5/21

\+ sign 325.297+/-0.047 χ^2/NDF: 4249791.0/39

All: 325.543+/-0.033 χ^2/NDF: 8254159.0/80

\- sign 325.798+/-0.048 χ^2/NDF: 4004312.0/40

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.280+/-9.064 χ^2/NDF:56.5/23

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

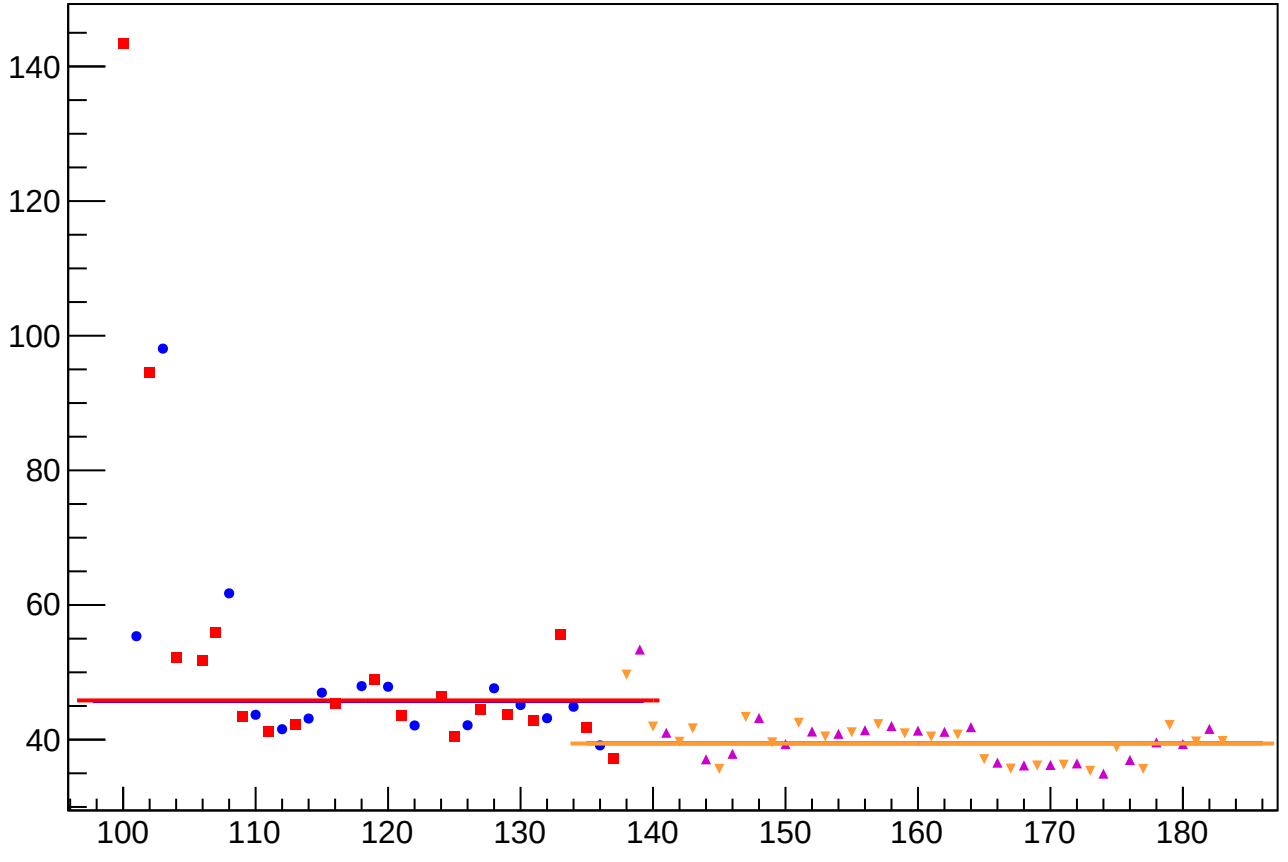
Left In: 26.151+/-9.339 χ^2/NDF:22.5/21

+ sign -21.678+/-8.046 χ^2/NDF: 76.9/39

All: -3.923+/-5.750 χ^2/NDF: 134.1/80

- sign 14.617+/-8.222 χ^2/NDF: 47.2/40

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.424+/-0.006 χ^2/NDF:226074.4/23

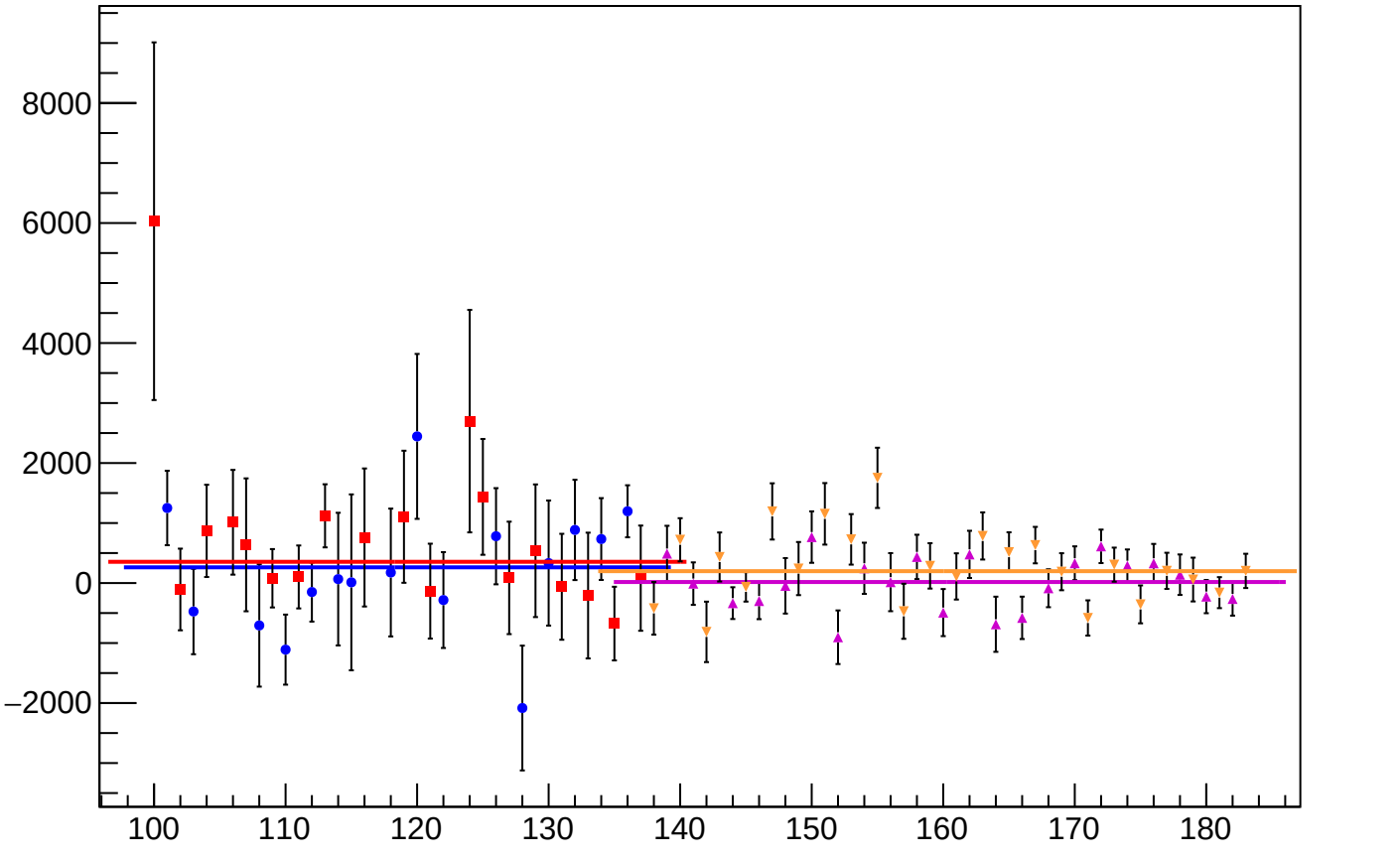
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.451+/-0.007 χ^2/NDF:249226.5/21

+ sign 40.761+/-0.006 χ^2/NDF: 932620.3/39

All: 40.821+/-0.004 χ^2/NDF: 1930088.5/80

- sign 40.884+/-0.006 χ^2/NDF: 997239.2/40



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 198.148+/-71.119 χ^2/NDF:48.5/23

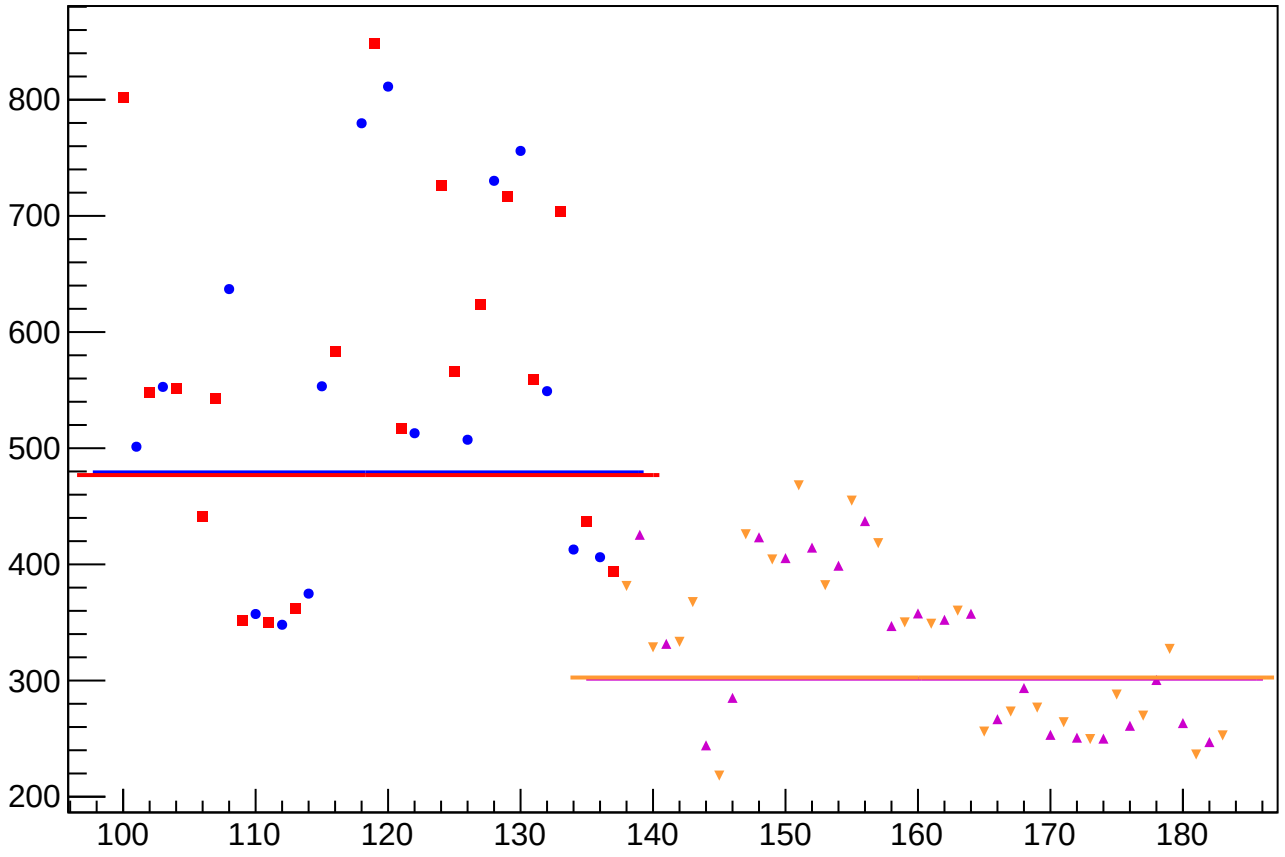
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 17.234+/-72.745 χ^2/NDF:30.8/21

+ sign 206.346+/-66.392 χ^2/NDF: 73.6/39

All: 136.248+/-47.348 χ^2/NDF: 124.8/80

- sign 63.695+/-67.544 χ^2/NDF: 48.9/40



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 302.607+/-0.050 χ^2/NDF:1712882.3/23

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

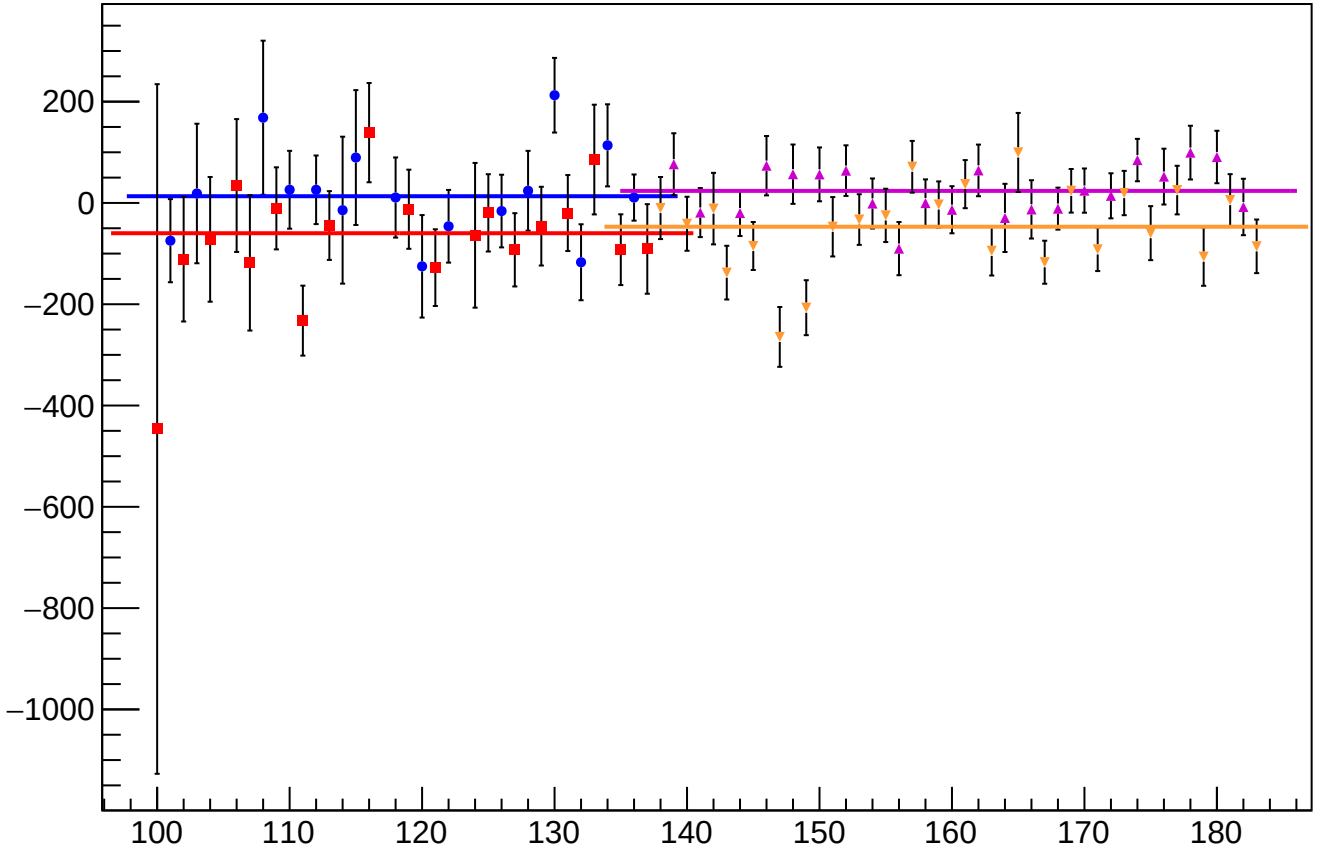
Left In: 301.633+/-0.051 χ^2/NDF:1399942.5/21

+ sign 325.297+/-0.047 χ^2/NDF: 4249791.0/39

All: 325.543+/-0.033 χ^2/NDF: 8254159.0/80

- sign 325.798+/-0.048 χ^2/NDF: 4004312.0/40

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -46.974+/-10.438 χ^2/NDF:54.4/23

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

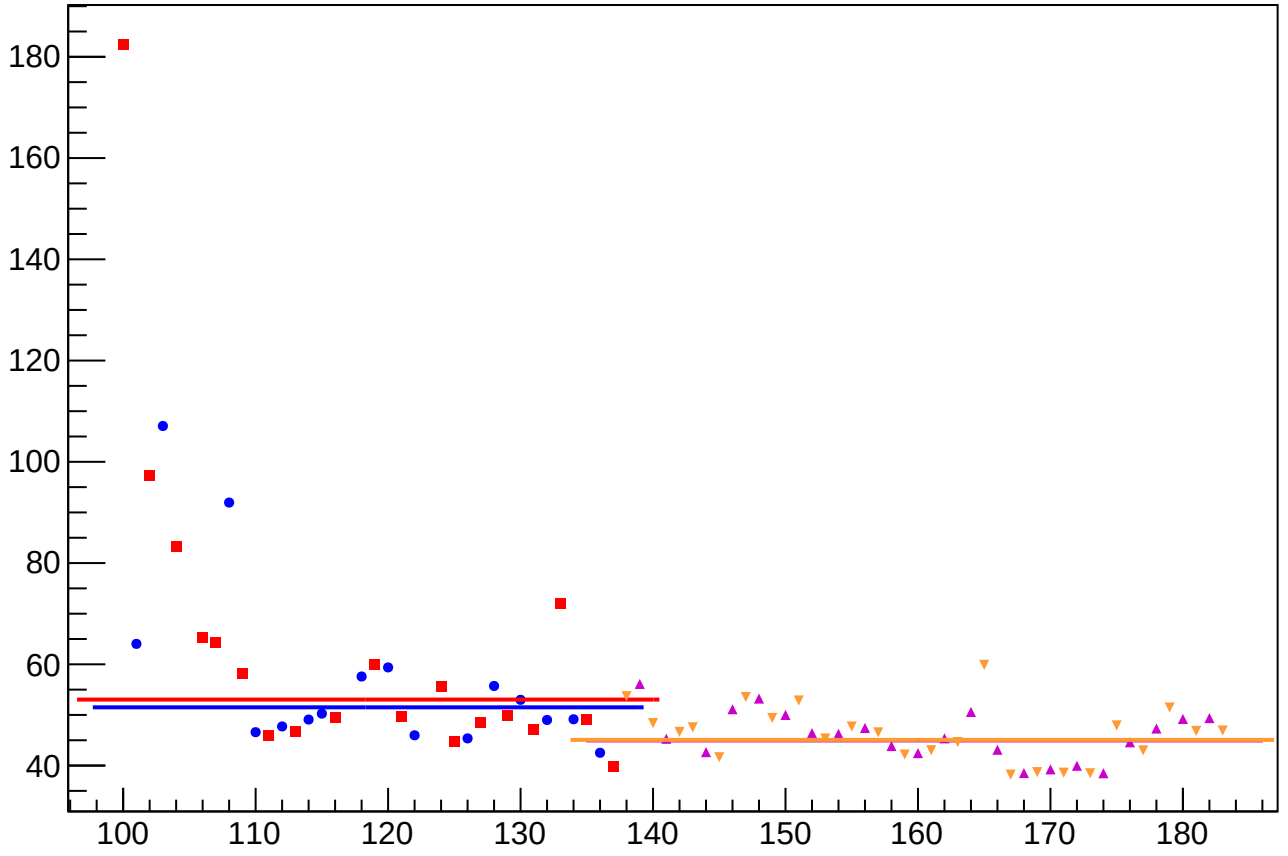
Left In: 23.787+/-10.735 χ^2/NDF:19.2/21

+ sign -33.924+/-9.239 χ^2/NDF: 78.9/39

All: -14.762+/-6.617 χ^2/NDF: 136.3/80

- sign 5.426+/-9.483 χ^2/NDF: 48.6/40

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 45.076+/-0.007 χ^2/NDF:469406.3/23

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

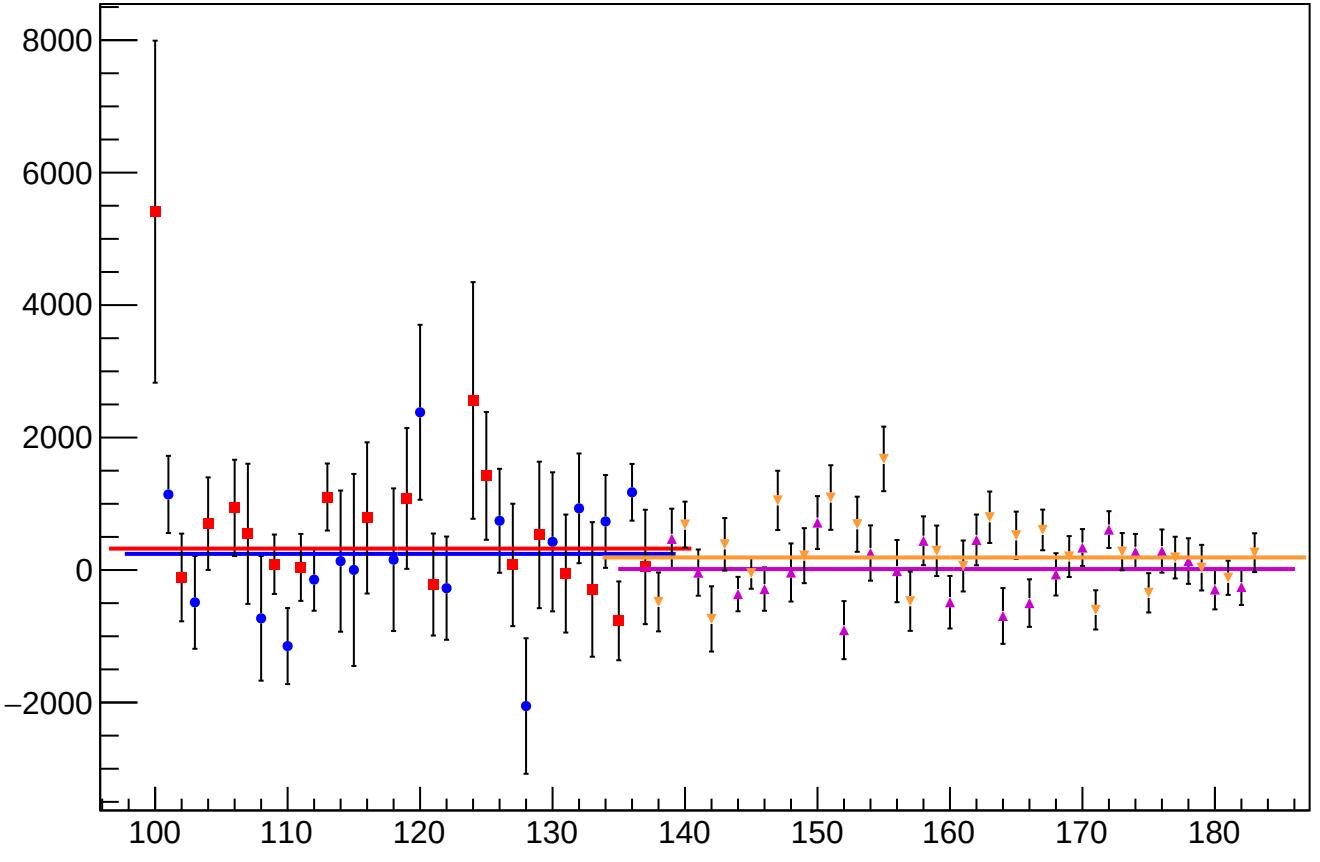
Left In: 44.959+/-0.008 χ^2/NDF:368394.1/21

+ sign 46.469+/-0.007 χ^2/NDF: 1300860.8/39

All: 46.598+/-0.005 χ^2/NDF: 2631756.2/80

- sign 46.733+/-0.007 χ^2/NDF: 1330097.8/40

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 189.823+/-70.413 χ^2/NDF:46.7/23

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

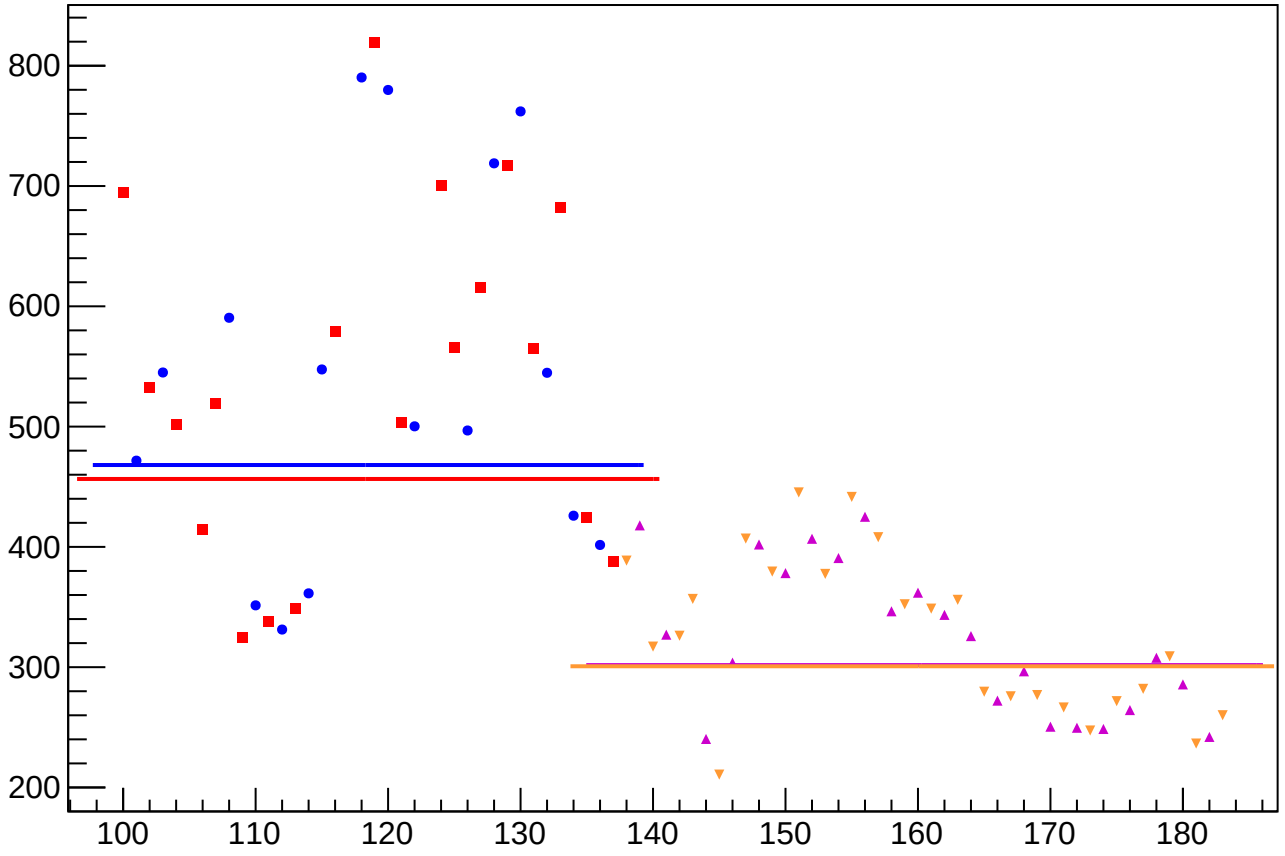
Left In: 15.067+/-72.589 χ^2/NDF:30.8/21

+ sign 196.930+/-65.616 χ^2/NDF: 72.4/39

All: 130.342+/-46.870 χ^2/NDF: 124.5/80

- sign 60.973+/-66.972 χ^2/NDF: 50.0/40

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 300.752+/-0.050 χ^2/NDF:1558823.5/23

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

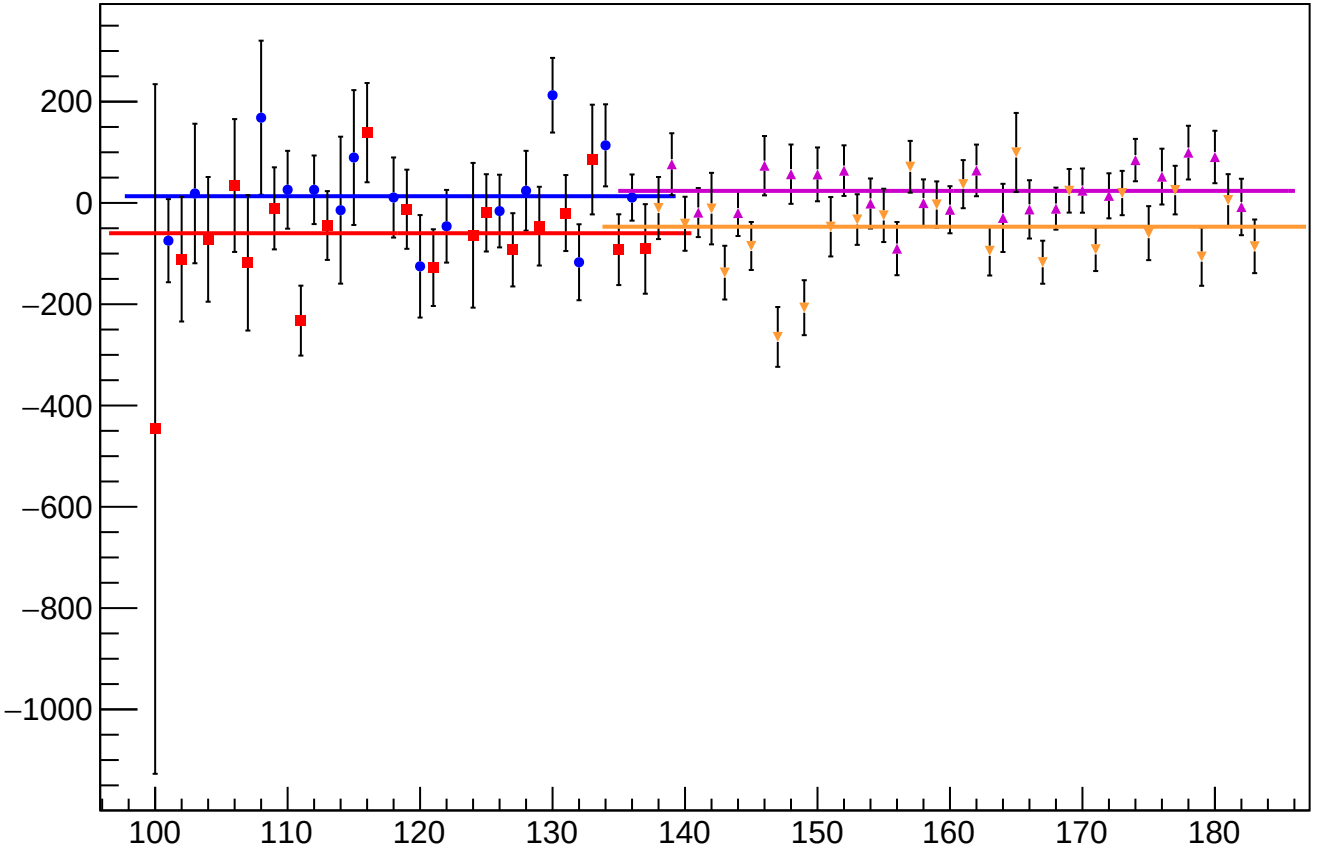
Left In: 301.731+/-0.051 χ^2/NDF:1237020.2/21

+ sign 322.772+/-0.046 χ^2/NDF: 4027896.0/39

All: 323.742+/-0.033 χ^2/NDF: 7700470.1/80

- sign 324.752+/-0.047 χ^2/NDF: 3671682.3/40

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -46.974+/-10.438 χ^2/NDF:54.4/23

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

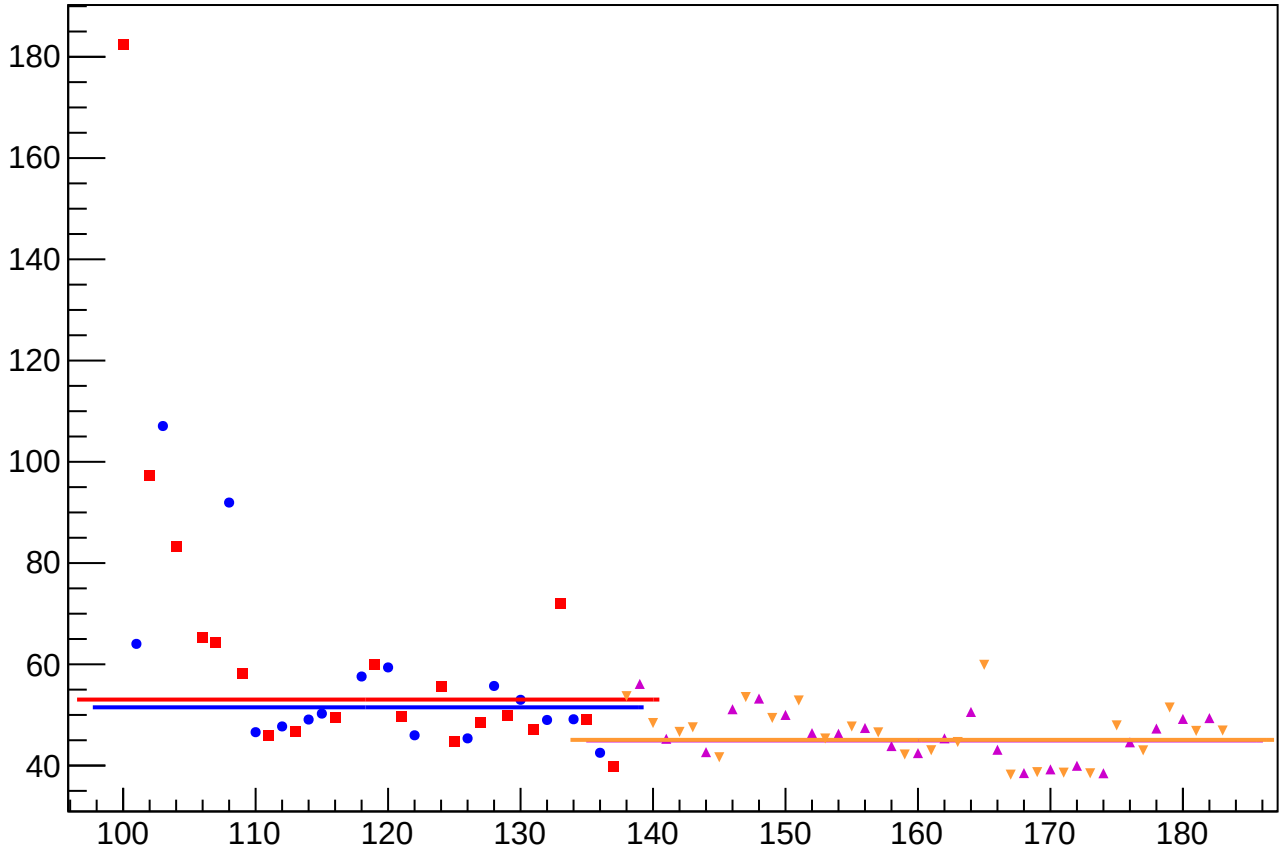
Left In: 23.787+/-10.735 χ^2/NDF:19.2/21

+ sign -33.924+/-9.239 χ^2/NDF: 78.9/39

All: -14.762+/-6.617 χ^2/NDF: 136.3/80

- sign 5.425+/-9.483 χ^2/NDF: 48.6/40

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 45.076+/-0.007 χ^2/NDF:469406.4/23

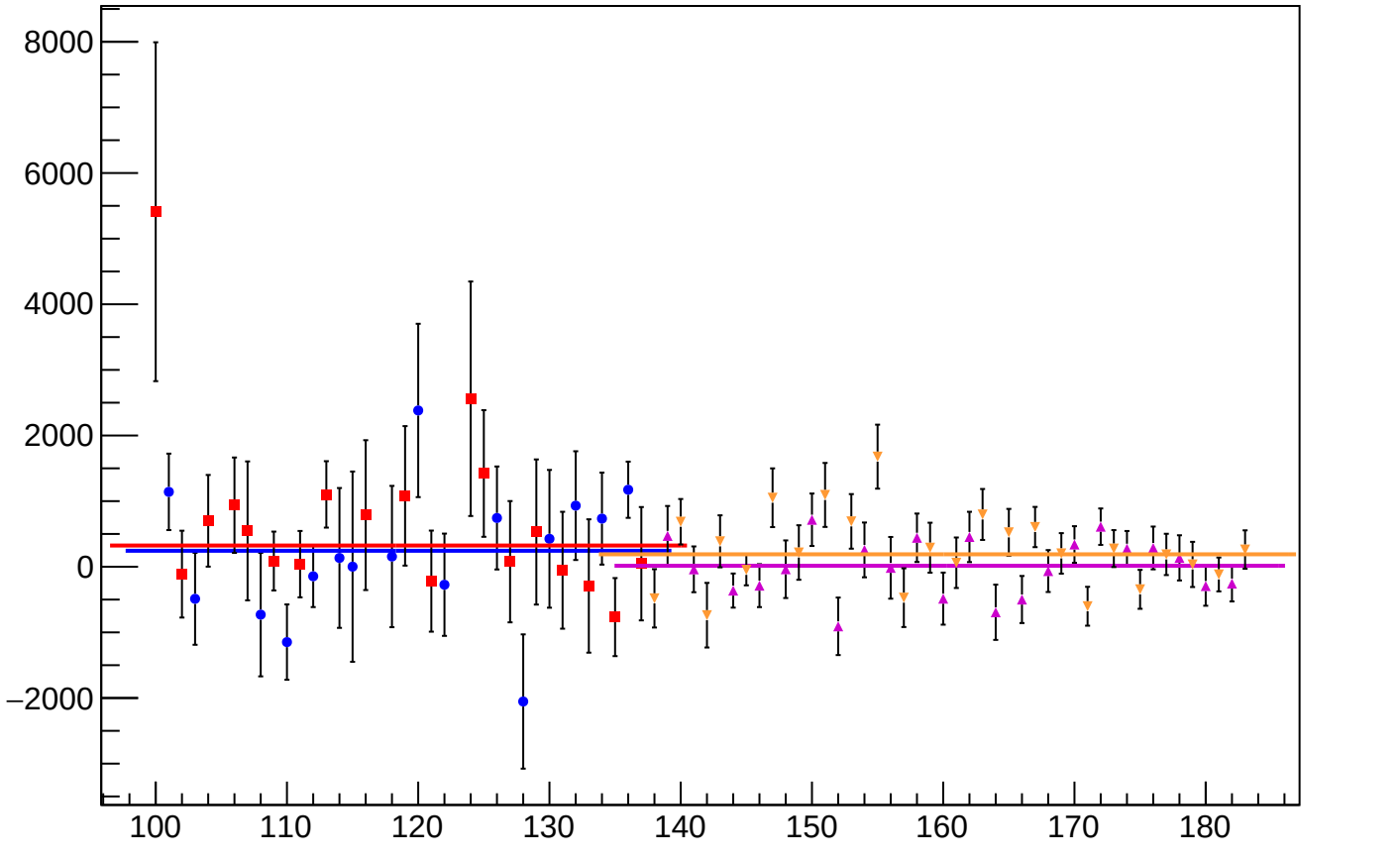
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.959+/-0.008 χ^2/NDF:368395.7/21

+ sign 46.469+/-0.007 χ^2/NDF: 1300867.1/39

All: 46.598+/-0.005 χ^2/NDF: 2631774.1/80

- sign 46.733+/-0.007 χ^2/NDF: 1330109.2/40



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 189.823+/-70.413 χ^2/NDF:46.7/23

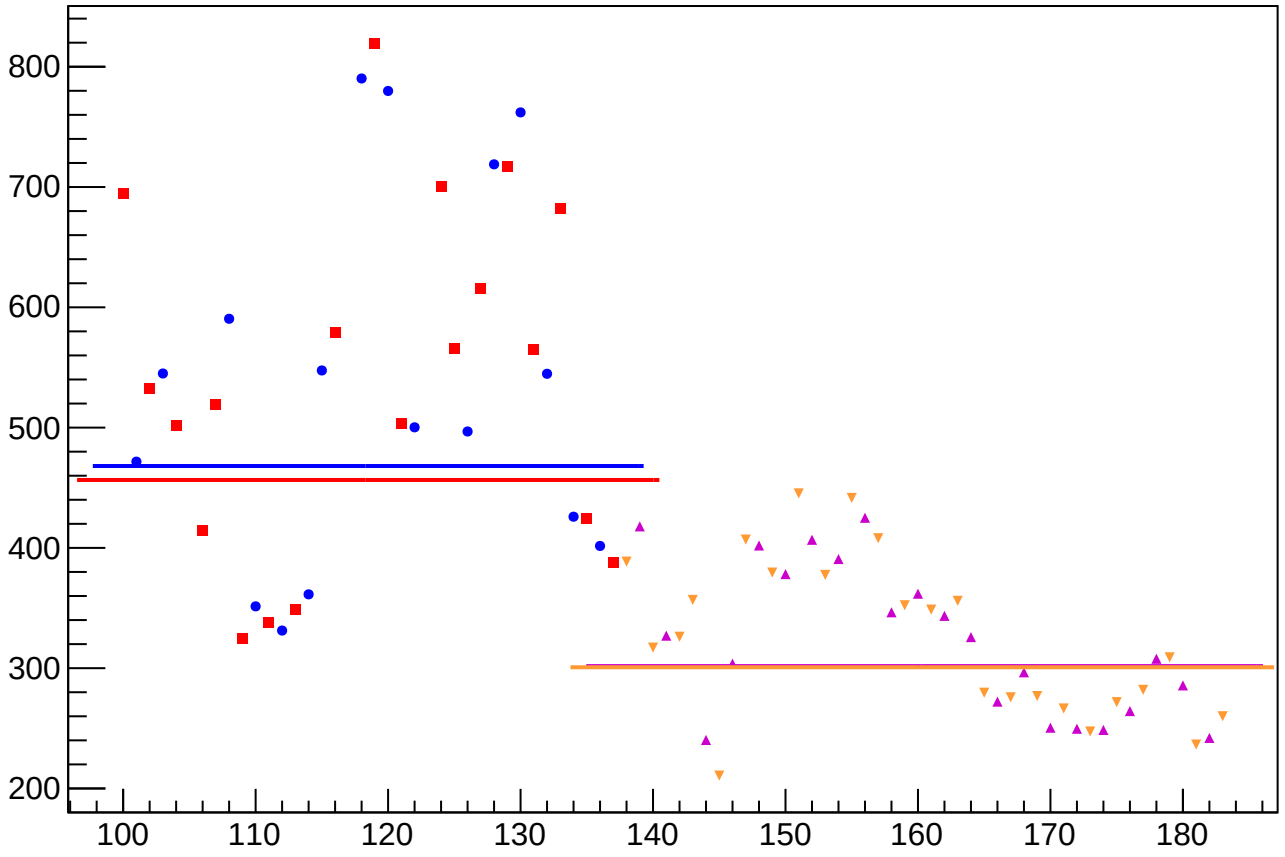
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 15.066+/-72.589 χ^2/NDF:30.8/21

+ sign 196.931+/-65.616 χ^2/NDF: 72.4/39

All: 130.342+/-46.870 χ^2/NDF: 124.5/80

- sign 60.973+/-66.972 χ^2/NDF: 50.0/40



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 300.753+/-0.050 χ^2/NDF:1558824.5/23

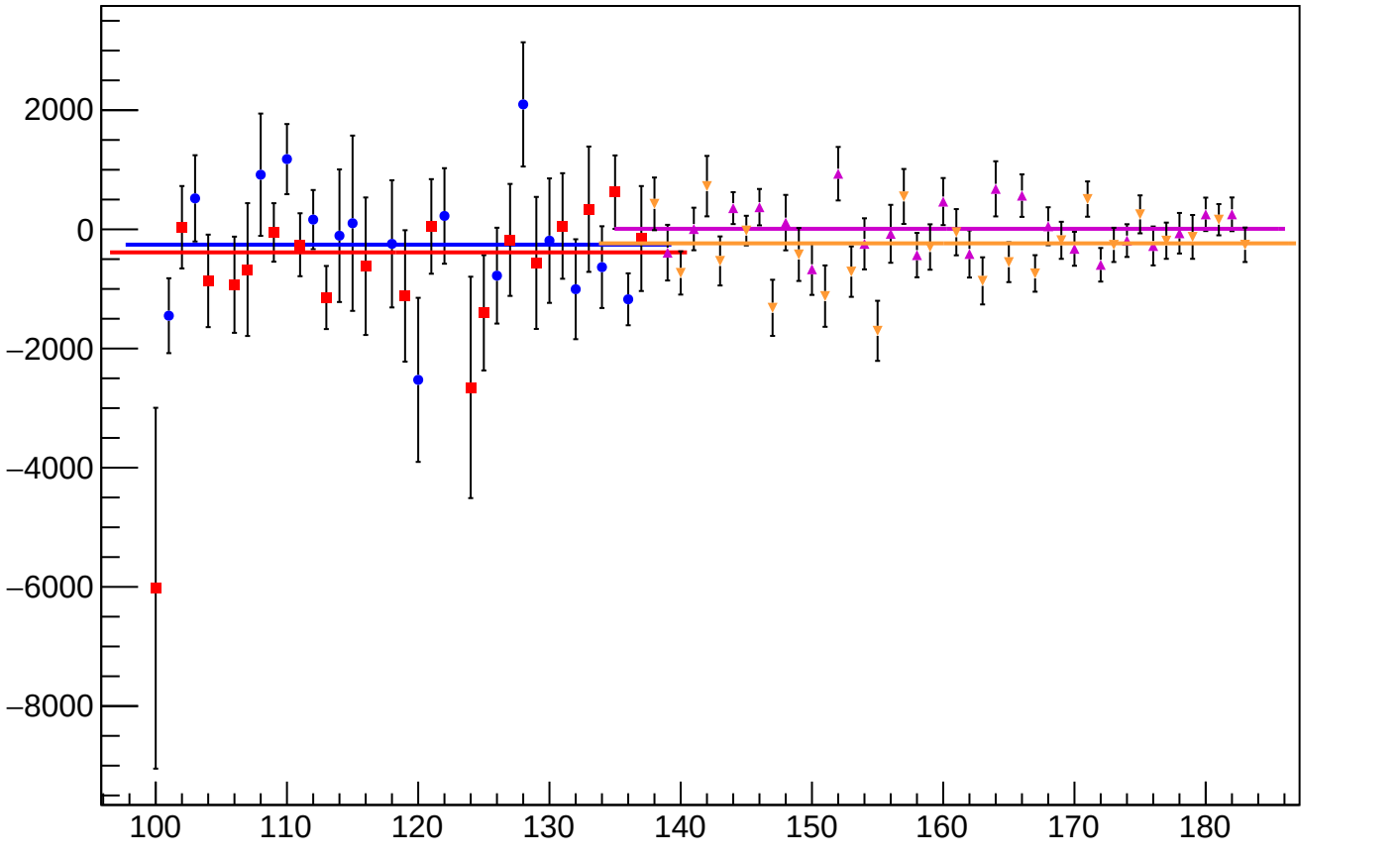
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 301.731+/-0.051 χ^2/NDF:1237014.9/21

+ sign 322.772+/-0.046 χ^2/NDF: 4027883.7/39

All: 323.742+/-0.033 χ^2/NDF: 7700432.6/80

- sign 324.752+/-0.047 χ^2/NDF: 3671656.9/40



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -234.945+/-71.764 χ^2/NDF:47.5/23

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

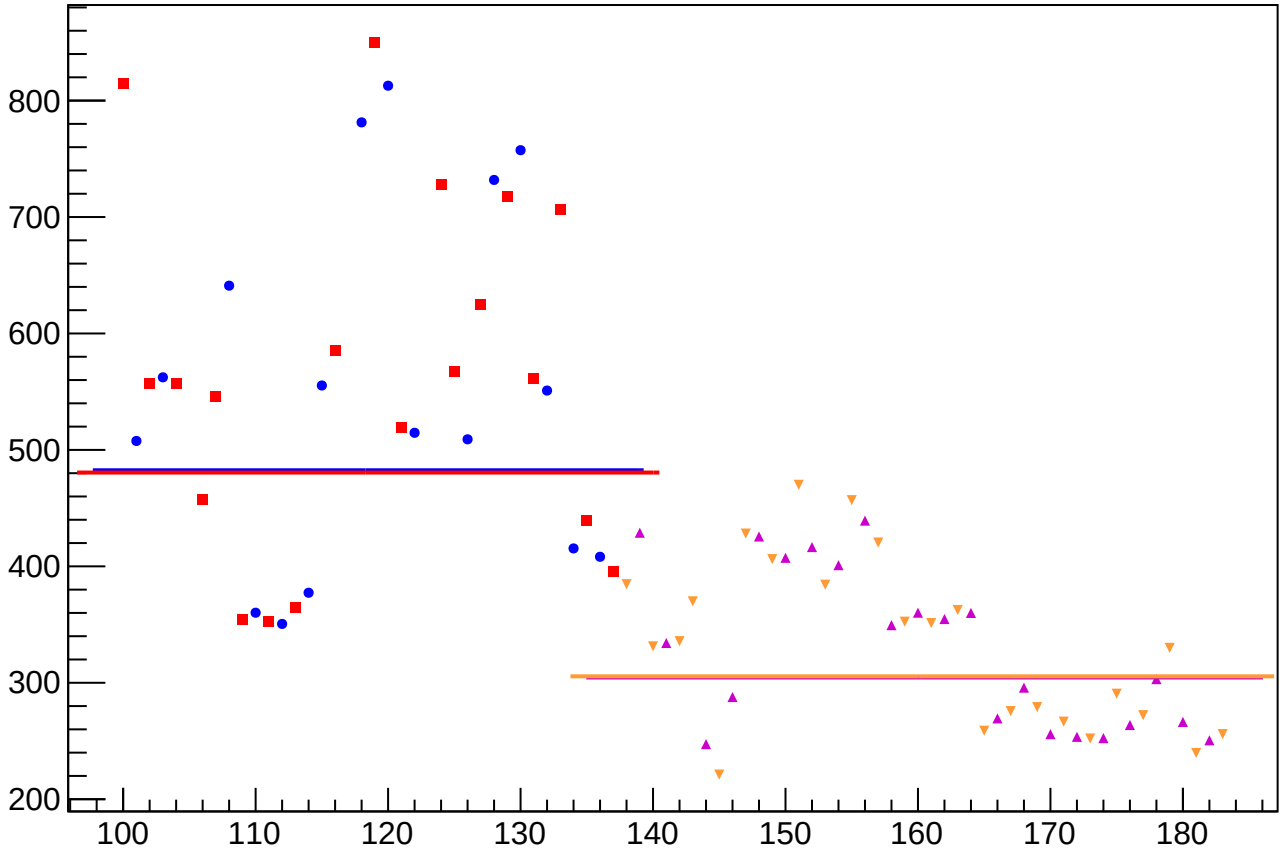
Left In: 9.129+/-73.409 χ^2/NDF:28.2/21

\+ sign -237.758+/-66.975 χ^2/NDF: 74.4/39

All: -143.490+/-47.751 χ^2/NDF: 124.9/80

\- sign -46.033+/-68.099 χ^2/NDF: 46.5/40

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 305.536+/-0.051 χ^2/NDF:1673834.0/23

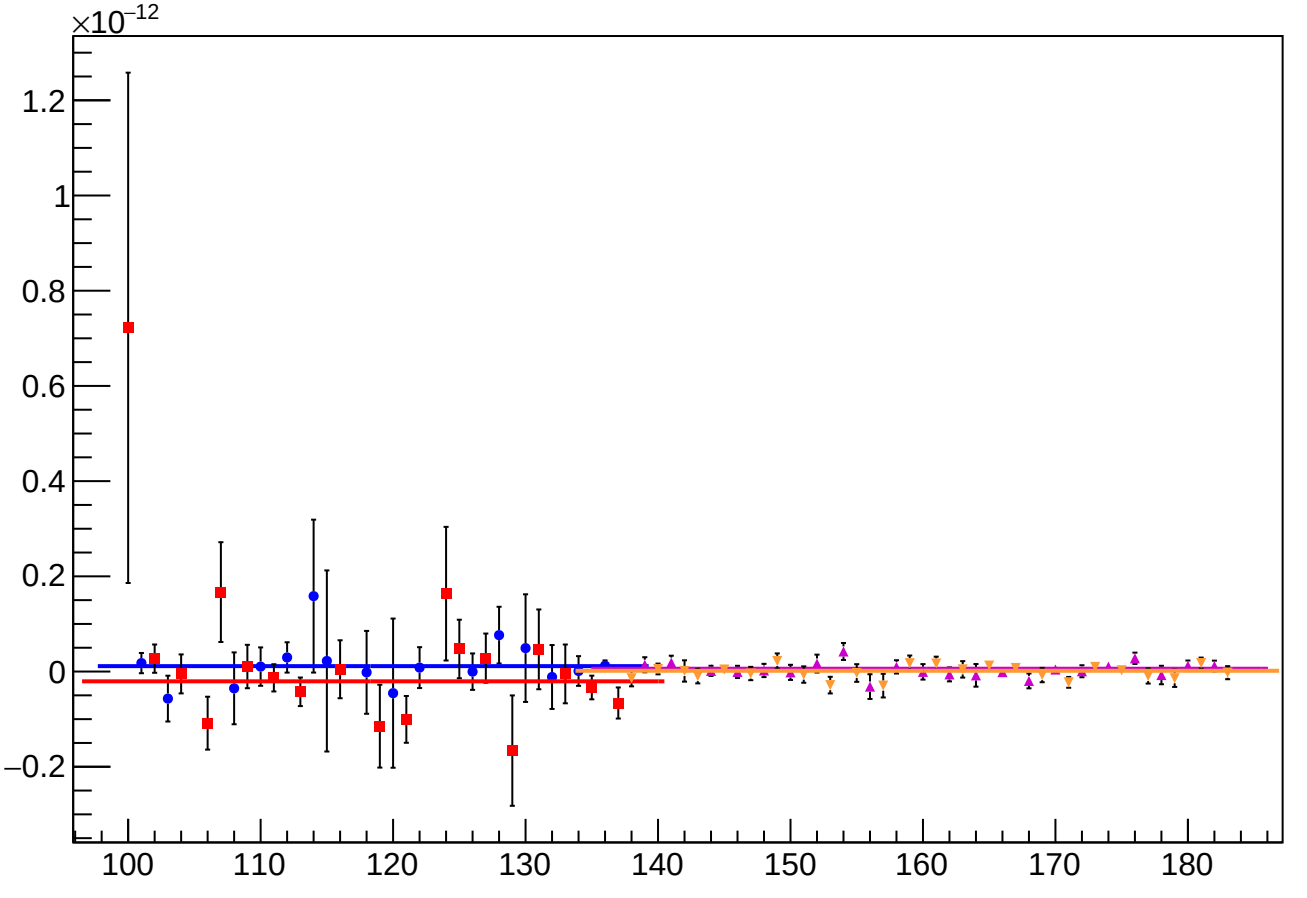
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 304.545+/-0.052 χ^2/NDF:1369378.0/21

\+ sign 328.369+/-0.047 χ^2/NDF: 4189597.1/39

All: 328.723+/-0.034 χ^2/NDF: 8156253.4/80

\- sign 329.089+/-0.048 χ^2/NDF: 3966542.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

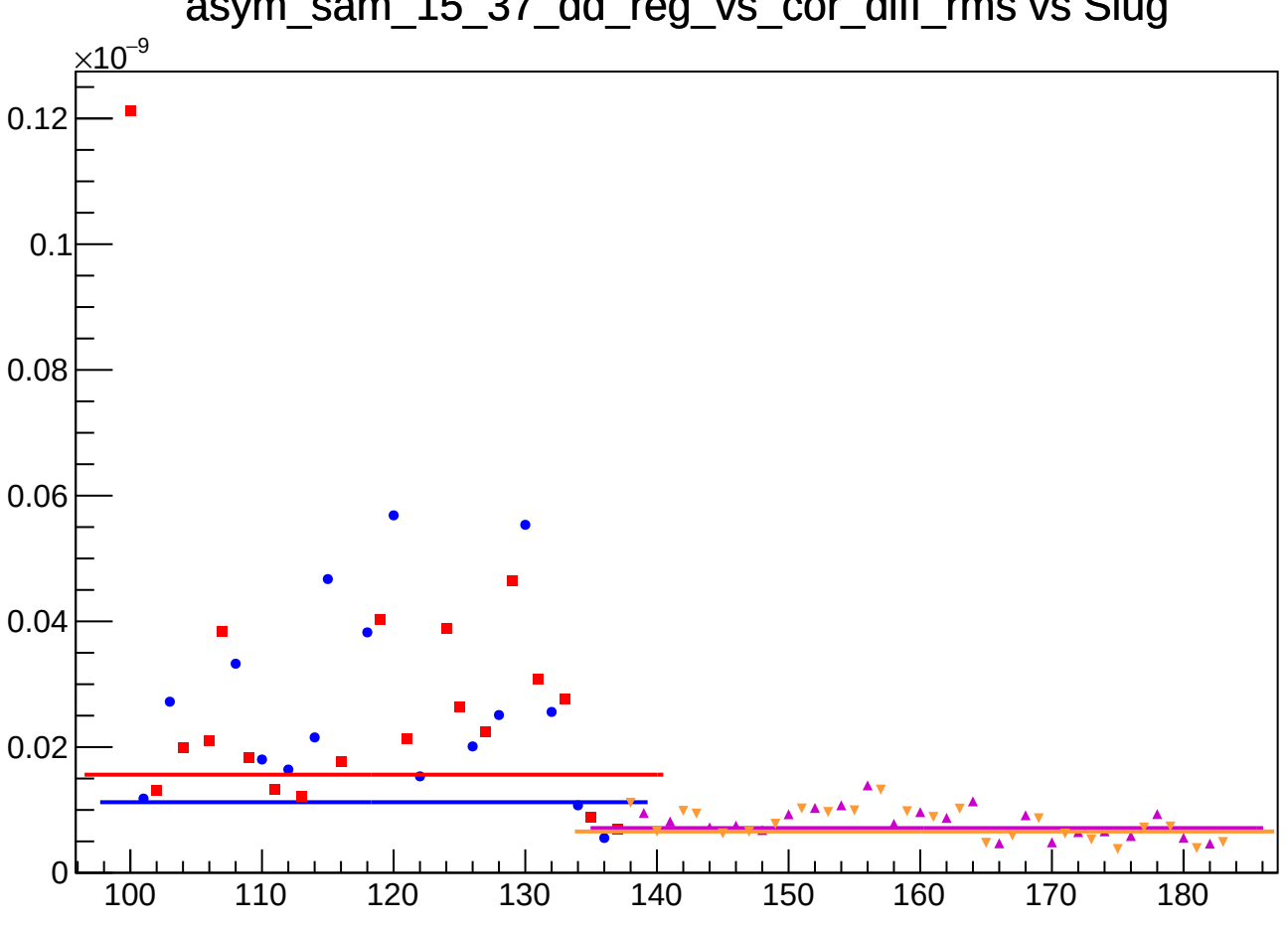
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/21

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/39

All: 0.000+/-0.000 χ^2/NDF: 75.0/80

- sign 0.000+/-0.000 χ^2/NDF: 47.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1477951.5/23

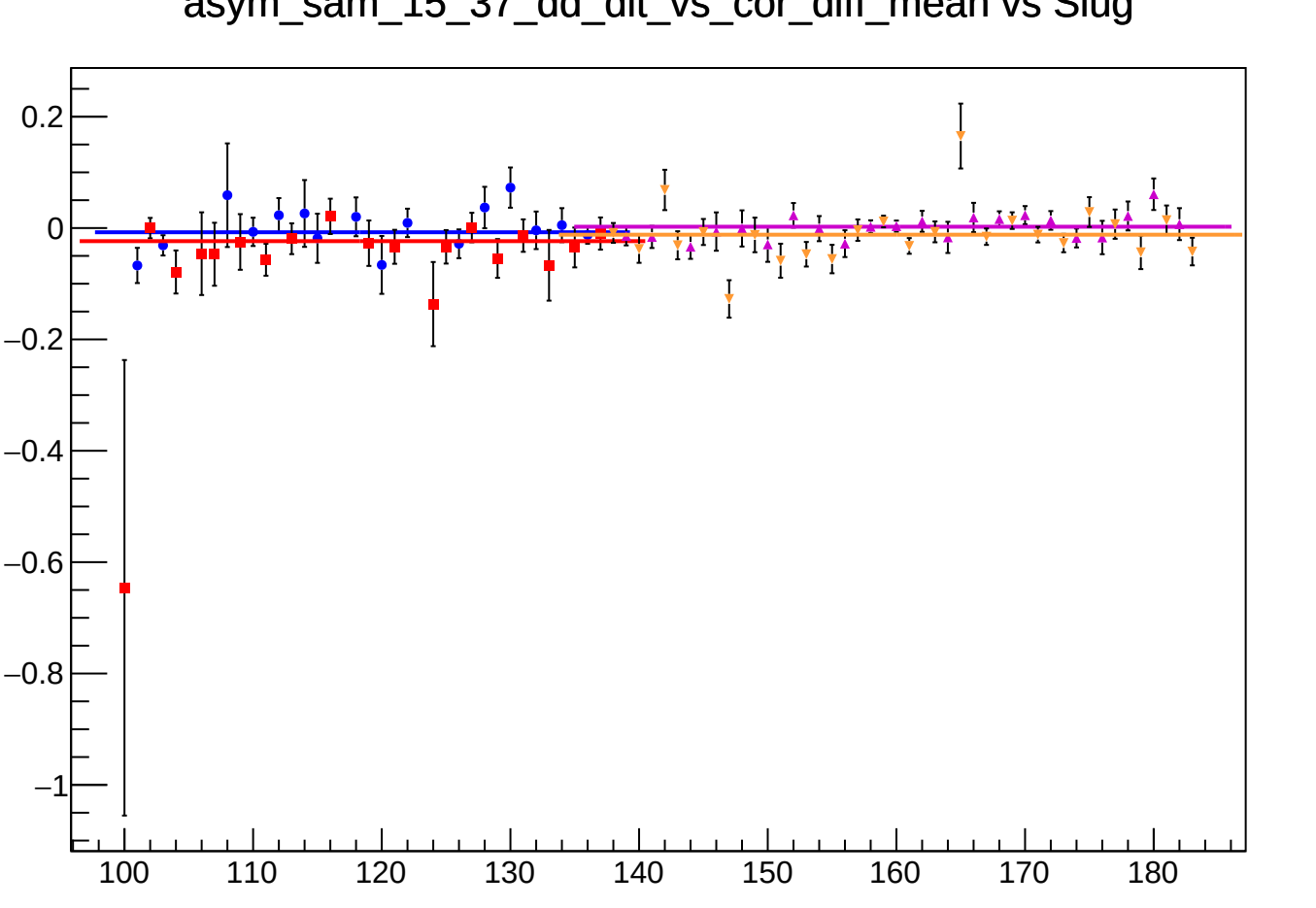
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:976178.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 4193525.1/39

All: 0.000+/-0.000 χ^2/NDF: 7697165.7/80

- sign 0.000+/-0.000 χ^2/NDF: 3433848.6/40



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

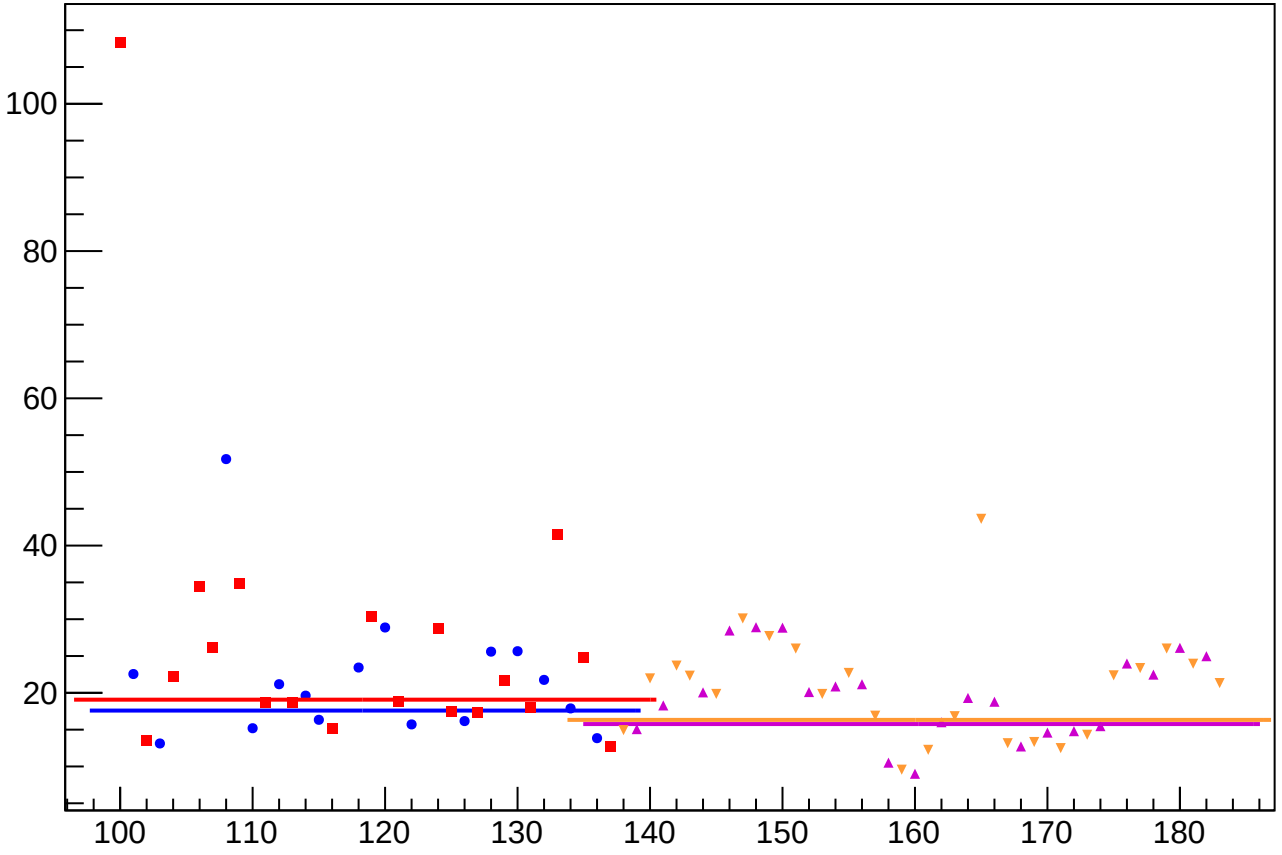
Left In: 0.002+/-0.004 χ^2/NDF:19.0/21

+ sign -0.011+/-0.004 χ^2/NDF: 70.0/39

All: -0.007+/-0.003 χ^2/NDF: 114.7/80

- sign -0.003+/-0.004 χ^2/NDF: 42.5/40

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.325+/-0.003 χ^2/NDF:3834087.8/23

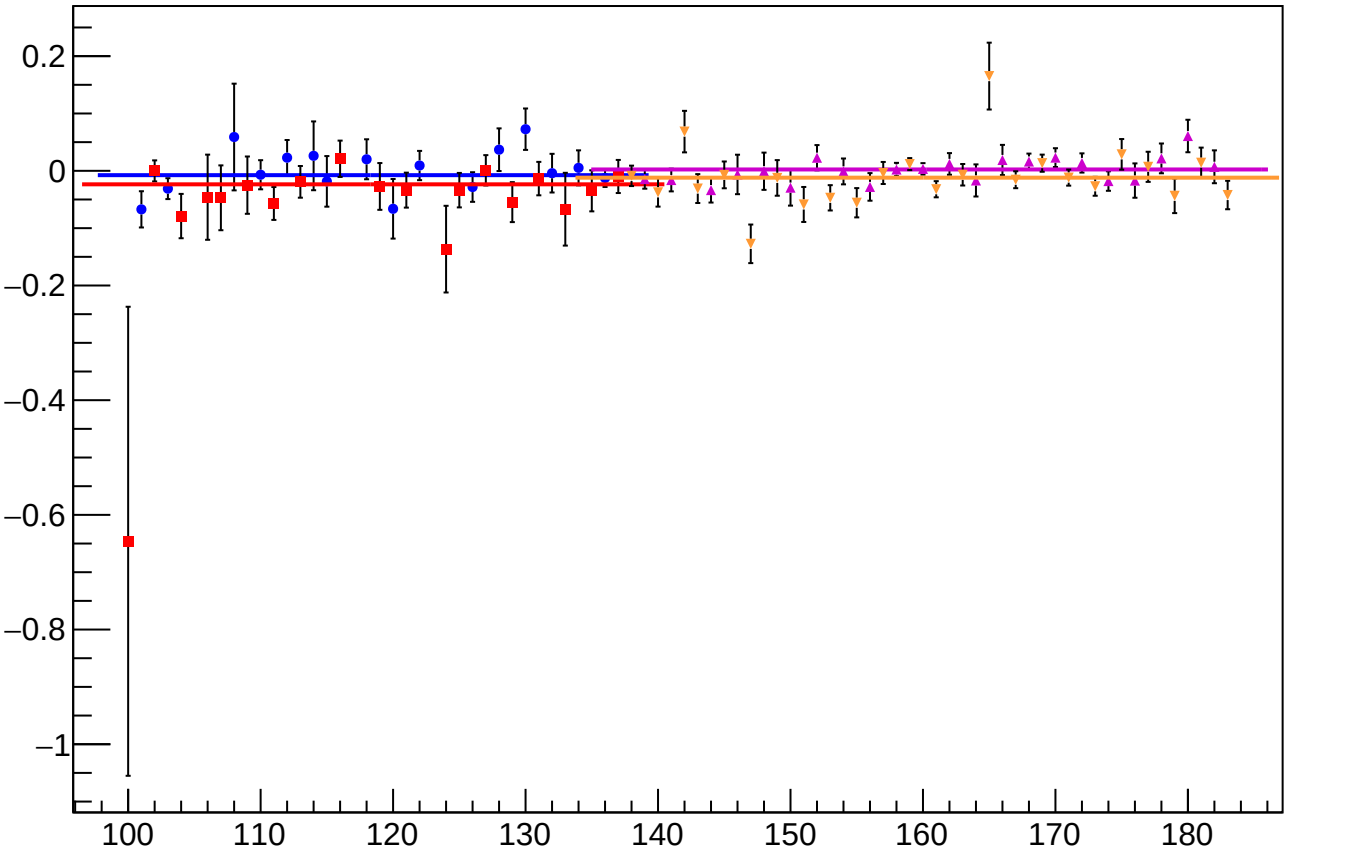
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.759+/-0.003 χ^2/NDF:3594006.0/21

+ sign 16.632+/-0.003 χ^2/NDF: 4874174.7/39

All: 16.553+/-0.002 χ^2/NDF: 10005472.3/80

- sign 16.472+/-0.003 χ^2/NDF: 5129295.3/40



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

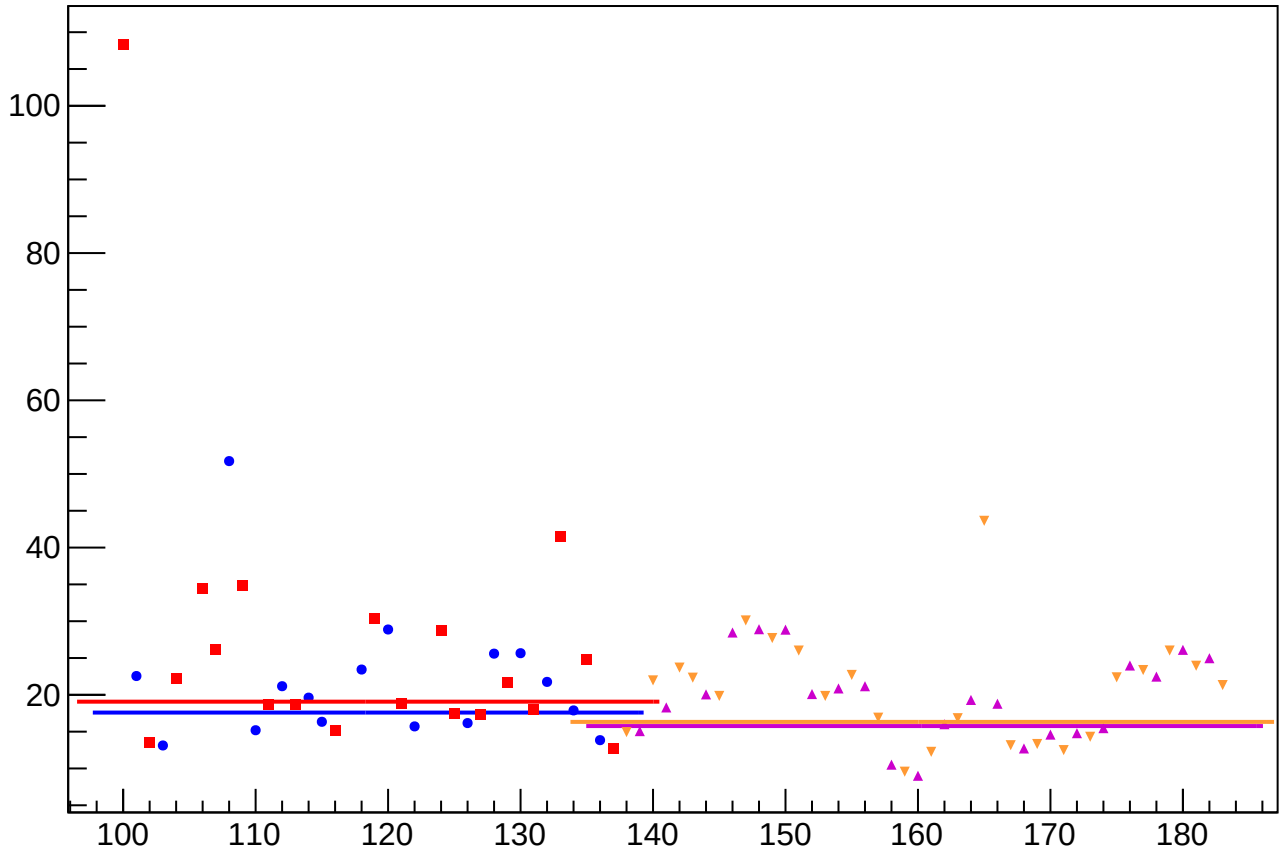
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.002+/-0.004 χ^2/NDF:19.0/21

+ sign -0.011+/-0.004 χ^2/NDF: 70.0/39

All: -0.007+/-0.003 χ^2/NDF: 114.7/80

- sign -0.003+/-0.004 χ^2/NDF: 42.5/40



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.325+/-0.003 χ^2/NDF:3834087.8/23

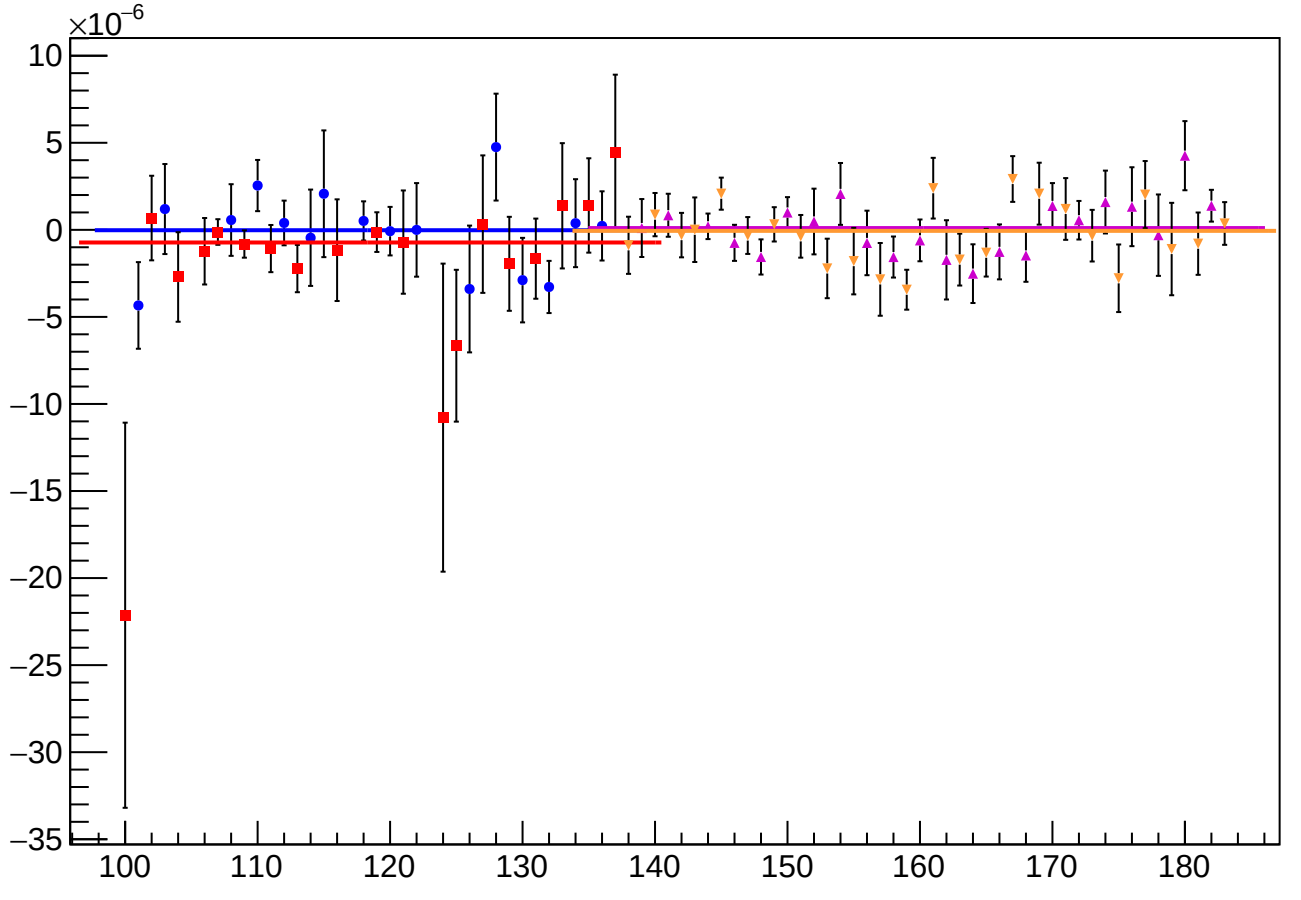
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.759+/-0.003 χ^2/NDF:3594006.0/21

+ sign 16.632+/-0.003 χ^2/NDF: 4874174.7/39

All: 16.553+/-0.002 χ^2/NDF: 10005472.3/80

- sign 16.472+/-0.003 χ^2/NDF: 5129295.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.2/23

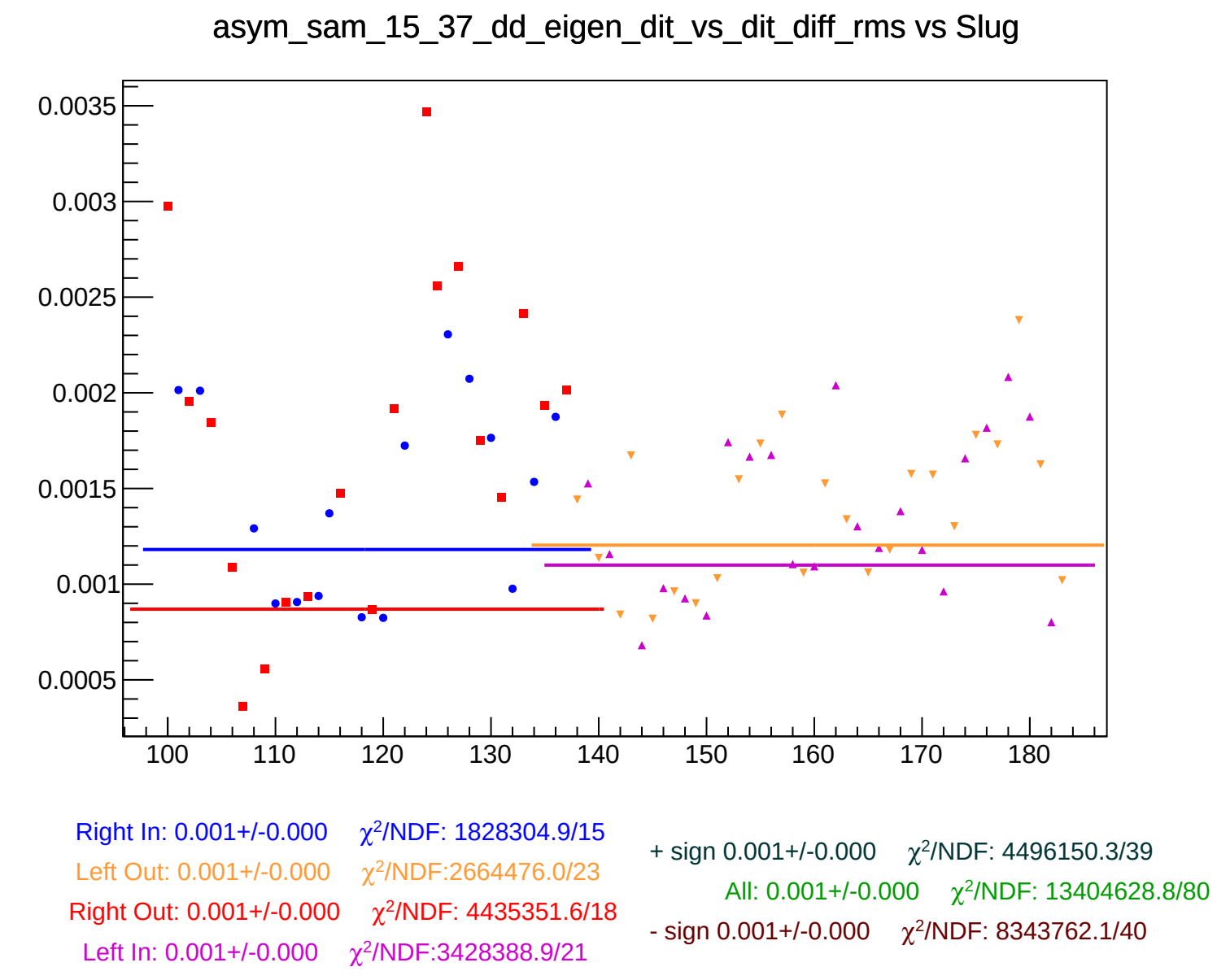
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

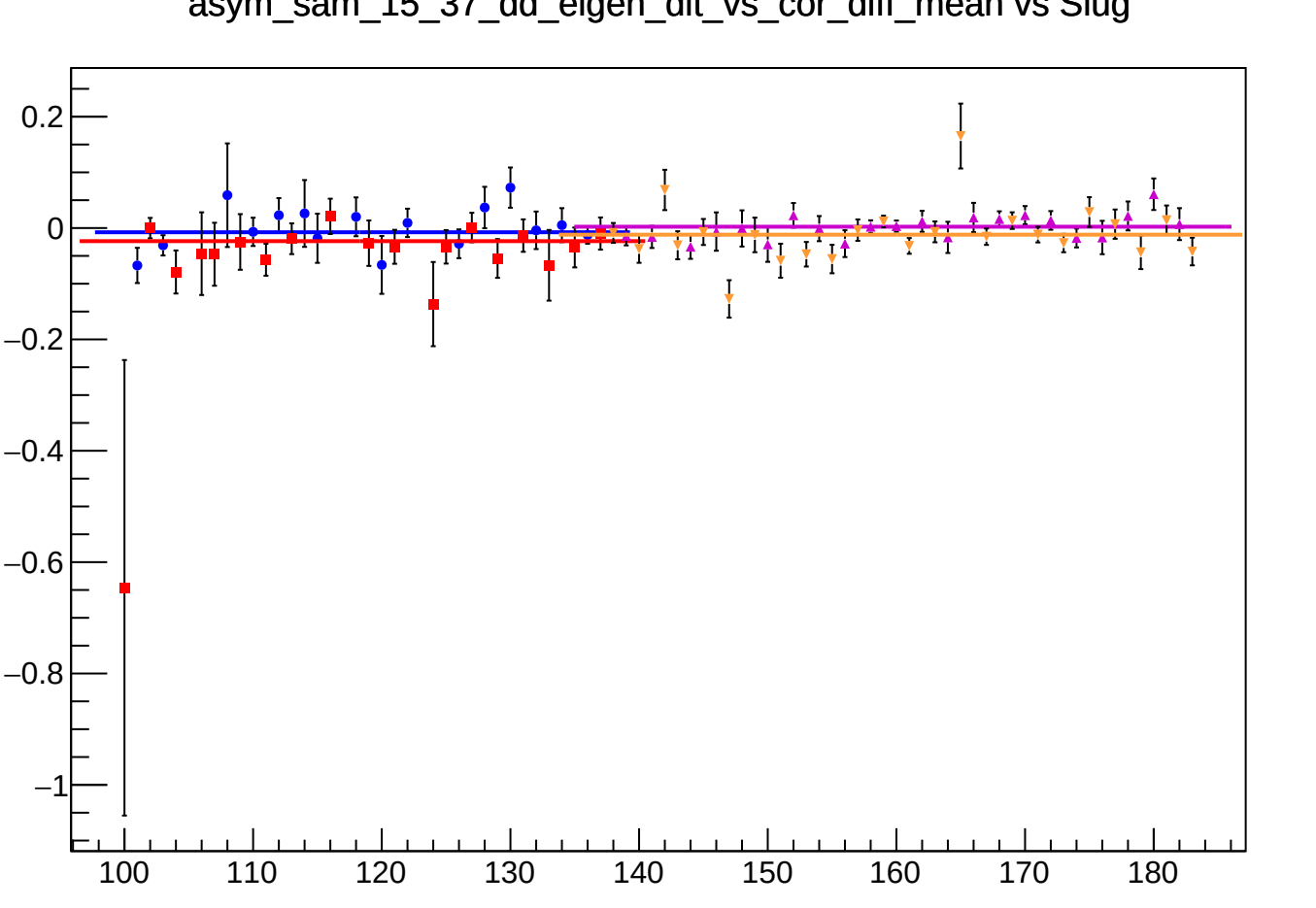
Left In: 0.000+/-0.000 χ^2/NDF:21.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/39

All: -0.000+/-0.000 χ^2/NDF: 88.7/80

- sign -0.000+/-0.000 χ^2/NDF: 37.9/40


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2664476.0/23
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:3428388.9/21
+ sign 0.001+/-0.000 χ²/NDF: 4496150.3/39
All: 0.001+/-0.000 χ²/NDF: 13404628.8/80
- sign 0.001+/-0.000 χ²/NDF: 8343762.1/40



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

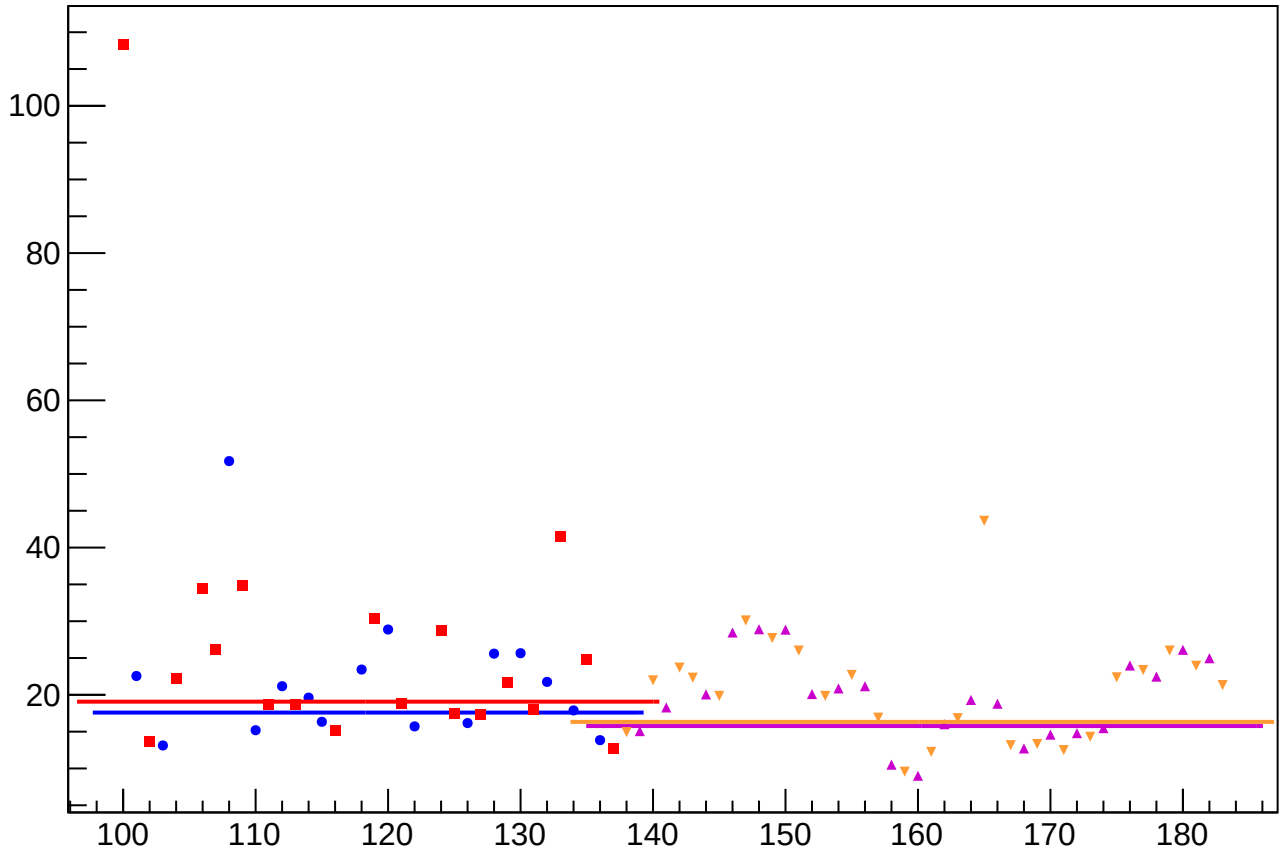
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.002+/-0.004 χ^2/NDF:19.0/21

+ sign -0.011+/-0.004 χ^2/NDF: 70.0/39

All: -0.007+/-0.003 χ^2/NDF: 114.7/80

- sign -0.003+/-0.004 χ^2/NDF: 42.5/40



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.325+/-0.003 χ^2/NDF:3834334.3/23

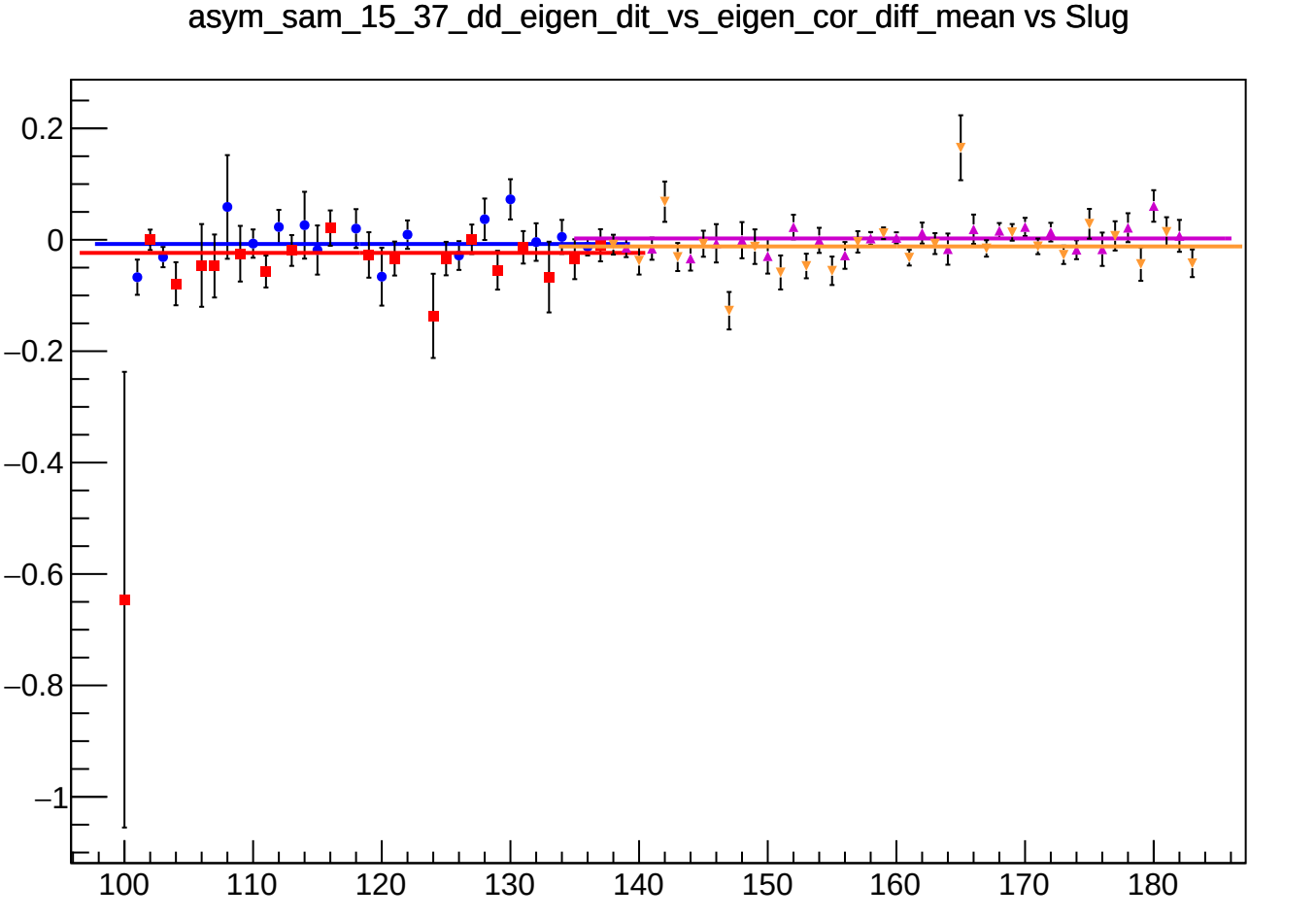
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.758+/-0.003 χ^2/NDF:3594372.5/21

+ sign 16.632+/-0.003 χ^2/NDF: 4874479.7/39

All: 16.553+/-0.002 χ^2/NDF: 10006167.2/80

- sign 16.472+/-0.003 χ^2/NDF: 5129684.9/40



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

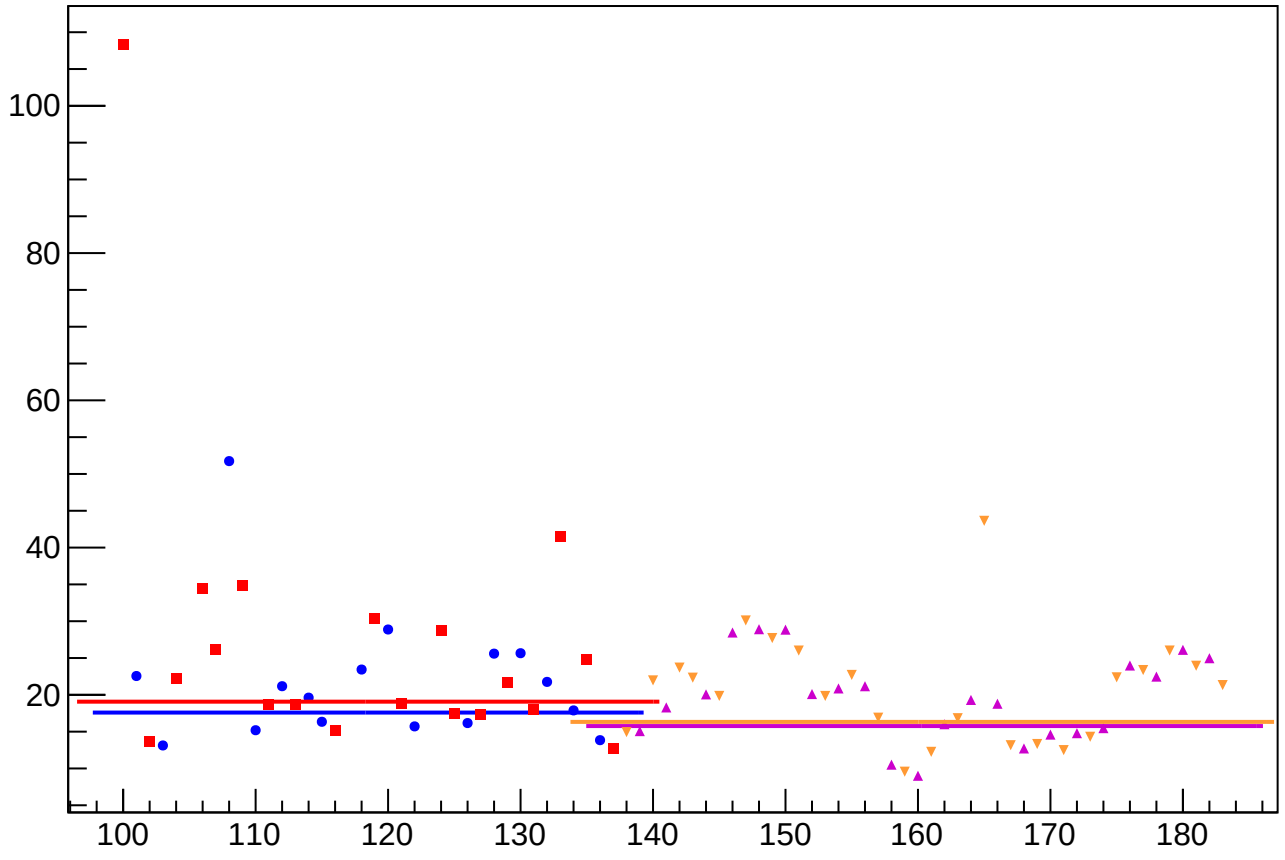
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.002+/-0.004 χ^2/NDF:19.0/21

+ sign -0.011+/-0.004 χ^2/NDF: 70.0/39

All: -0.007+/-0.003 χ^2/NDF: 114.7/80

- sign -0.003+/-0.004 χ^2/NDF: 42.5/40



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.325+/-0.003 χ^2/NDF:3834334.3/23

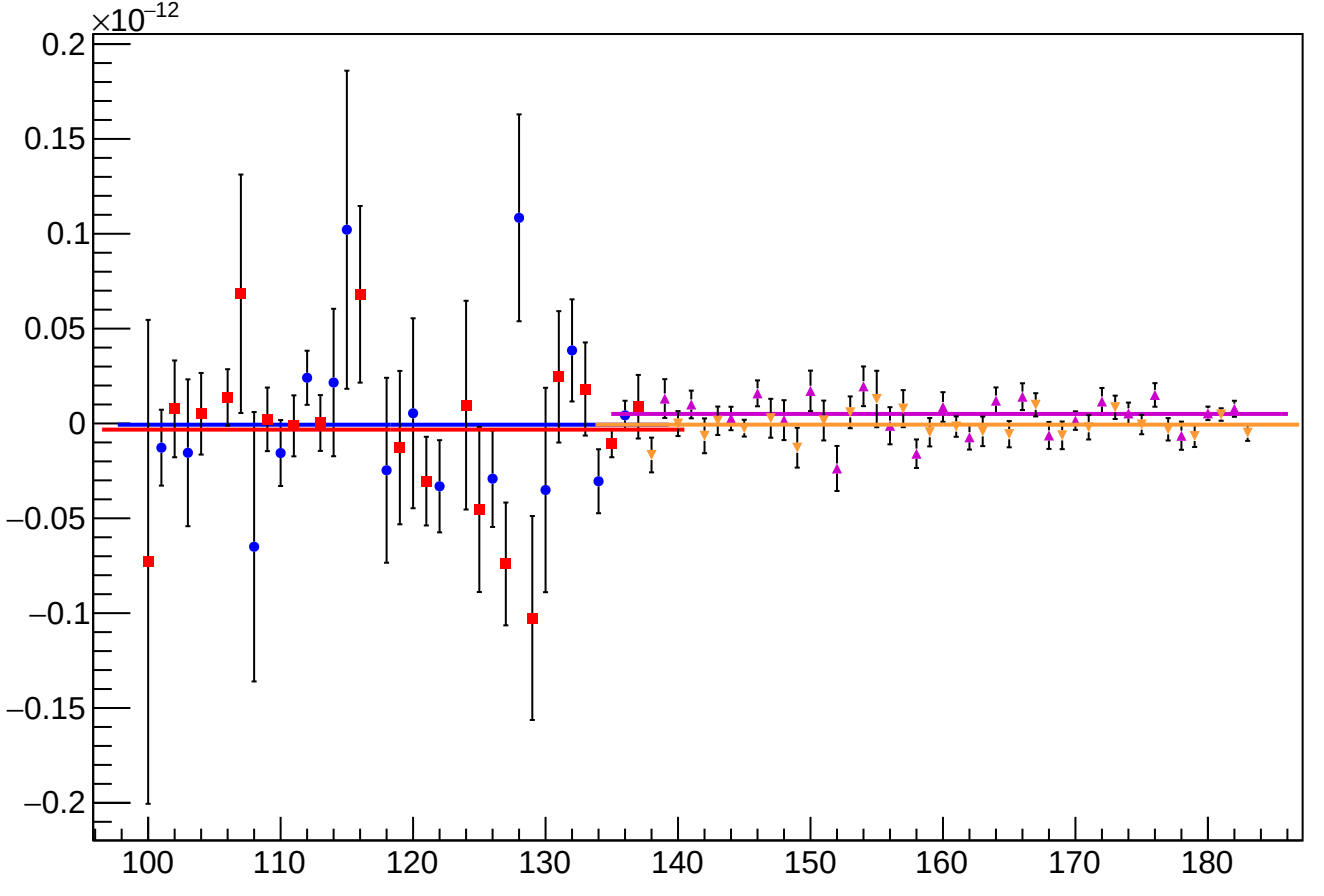
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.758+/-0.003 χ^2/NDF:3594372.5/21

+ sign 16.632+/-0.003 χ^2/NDF: 4874479.7/39

All: 16.553+/-0.002 χ^2/NDF: 10006167.2/80

- sign 16.472+/-0.003 χ^2/NDF: 5129684.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/23

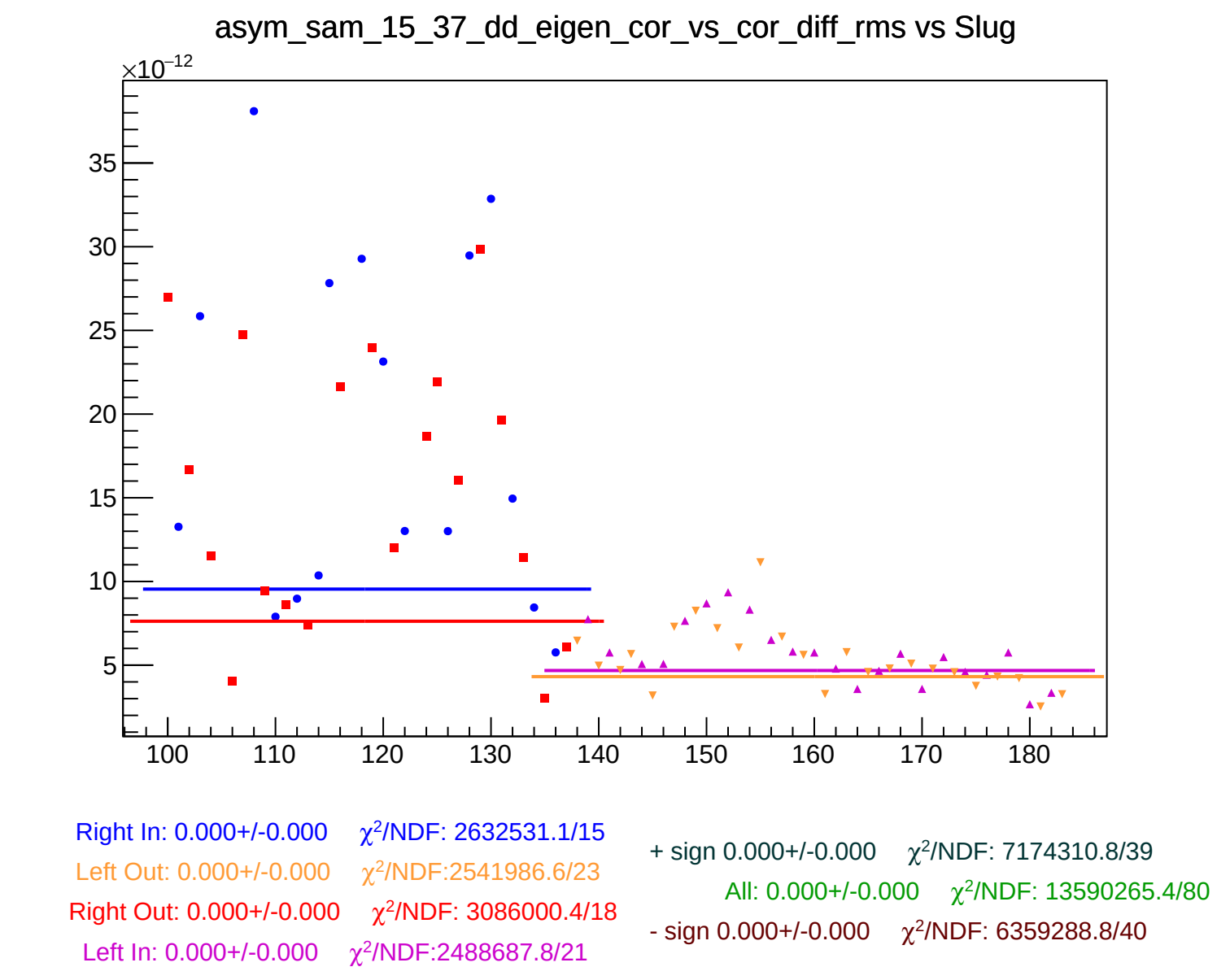
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:37.0/21

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/39

All: 0.000+/-0.000 χ^2/NDF: 105.8/80

- sign 0.000+/-0.000 χ^2/NDF: 59.2/40


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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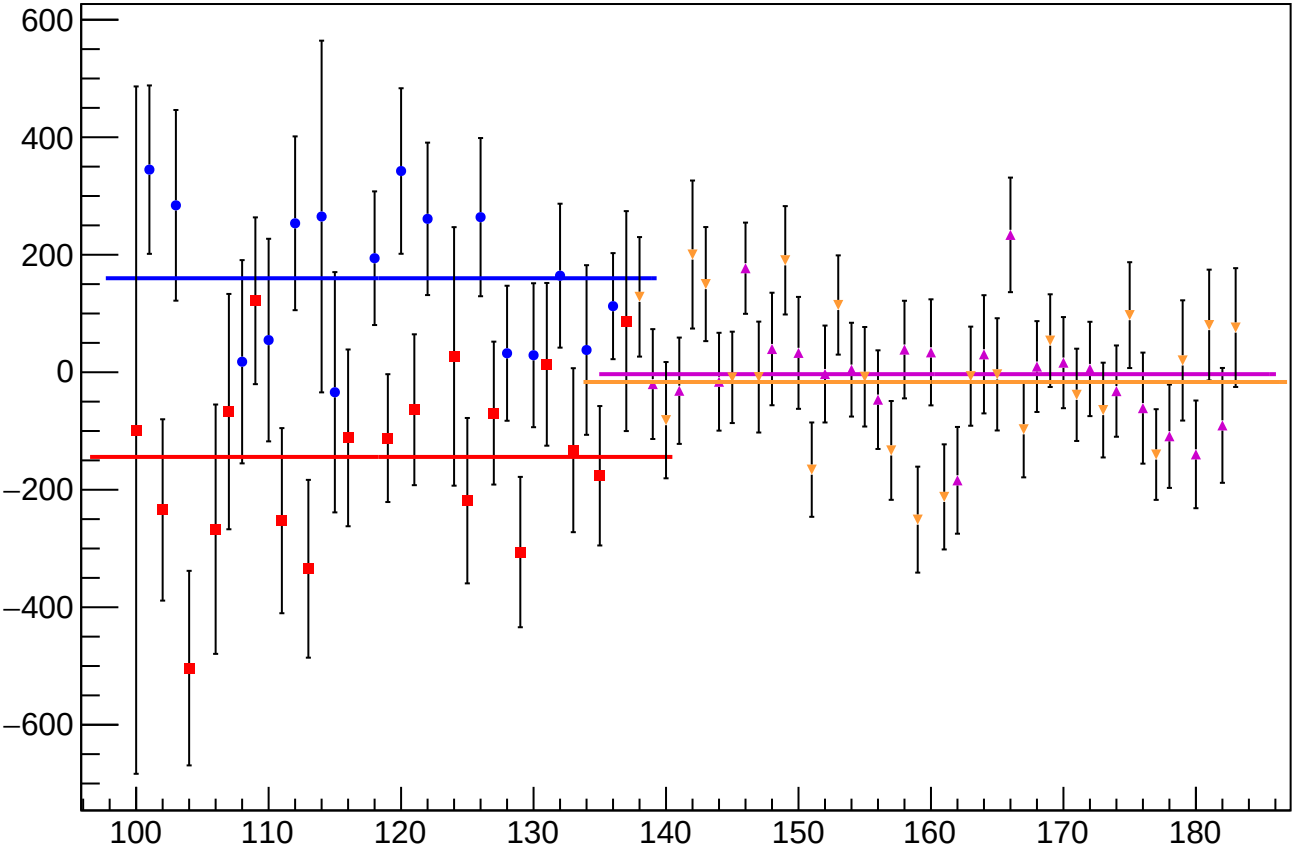
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2541986.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:2488687.8/21
+ sign 0.000+/-0.000 χ²/NDF: 7174310.8/39
All: 0.000+/-0.000 χ²/NDF: 13590265.4/80
- sign 0.000+/-0.000 χ²/NDF: 6359288.8/40

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -16.574+/-18.078 χ^2/NDF:41.2/23

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

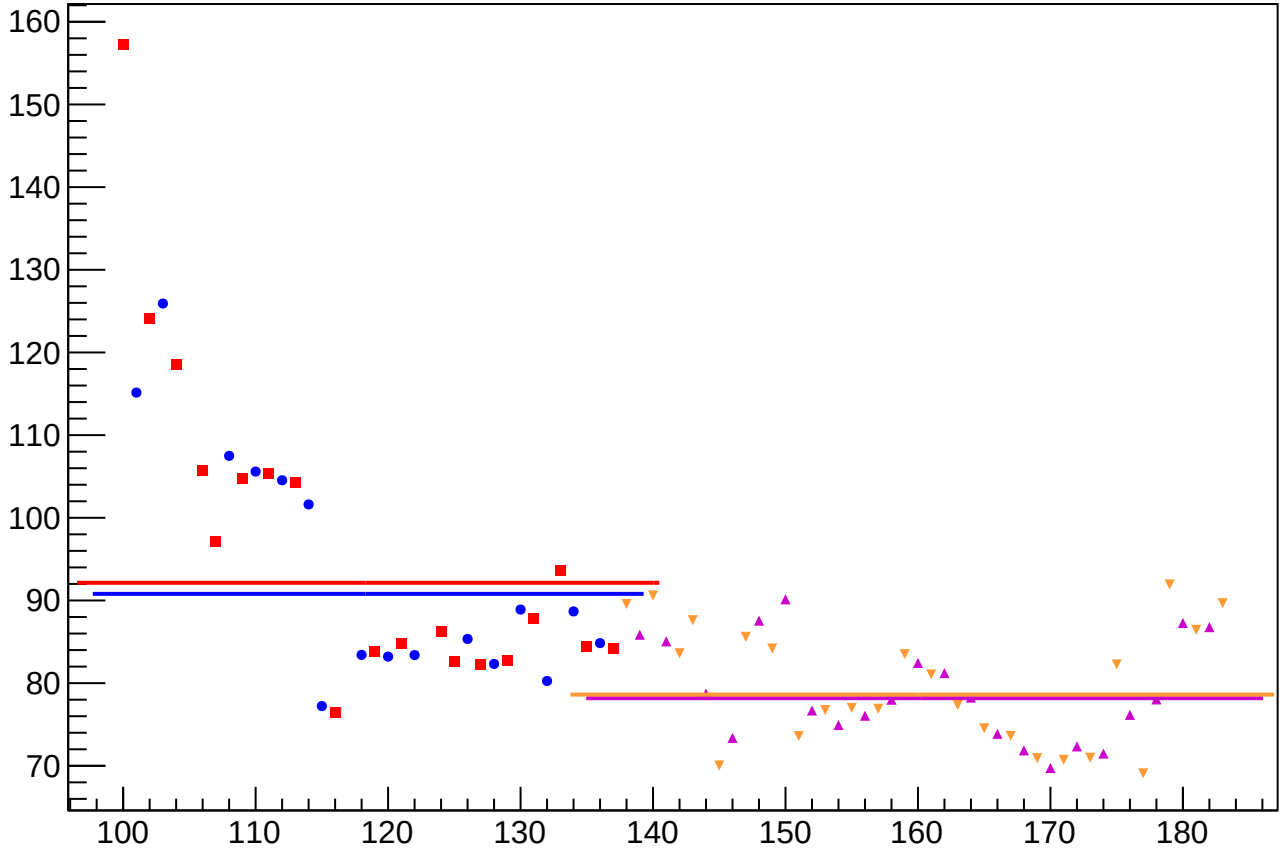
Left In: -3.249+/-18.494 χ^2/NDF:21.6/21

+ sign 22.048+/-15.980 χ^2/NDF: 73.1/39

All: -6.014+/-11.400 χ^2/NDF: 131.5/80

- sign -35.104+/-16.270 χ^2/NDF: 52.2/40

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 78.613+/-0.013 χ^2/NDF:307224.1/23

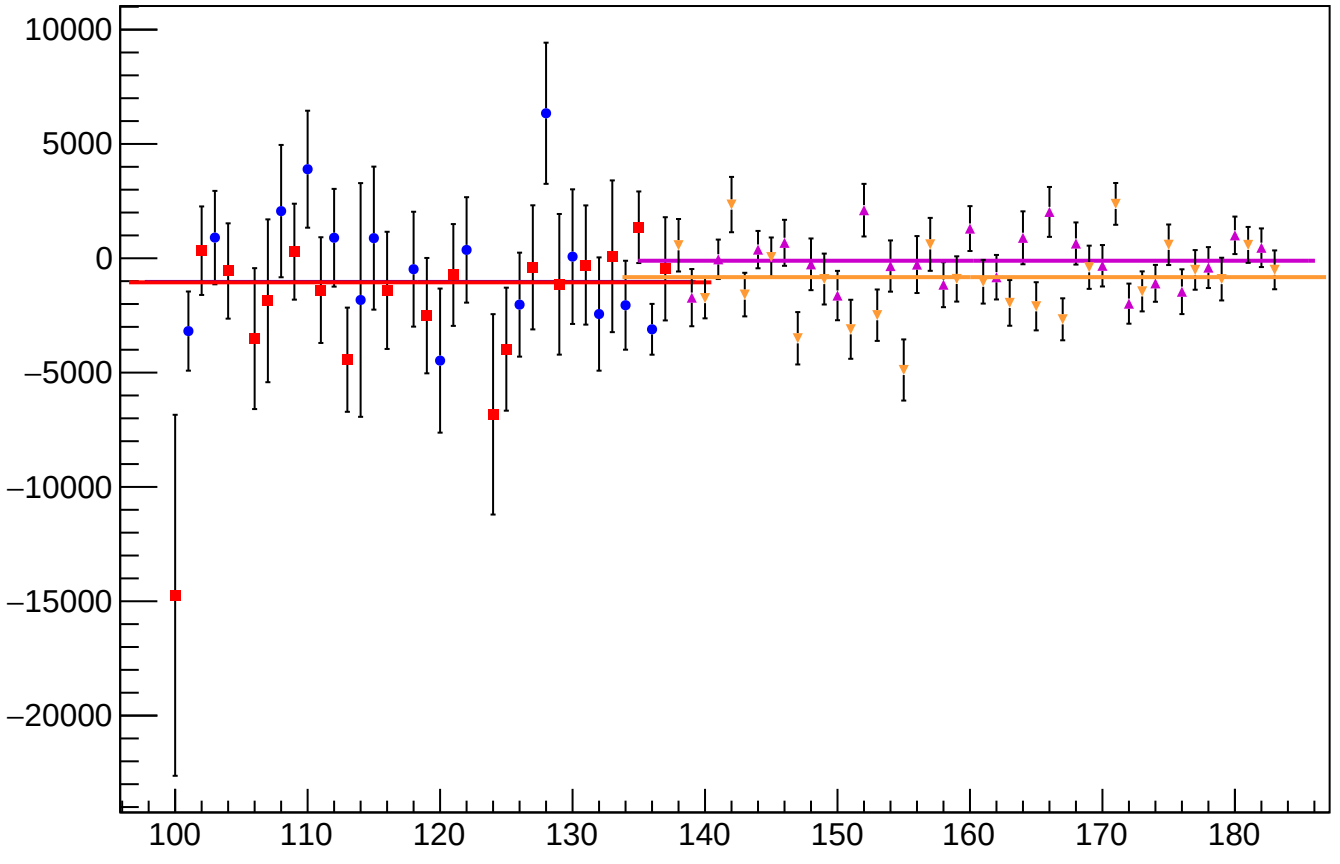
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 78.181+/-0.013 χ^2/NDF:197875.1/21

+ sign 81.279+/-0.011 χ^2/NDF: 778805.0/39

All: 81.308+/-0.008 χ^2/NDF: 1536403.1/80

- sign 81.338+/-0.012 χ^2/NDF: 757584.7/40



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -825.019+/-199.927 χ^2/NDF:58.5/23

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

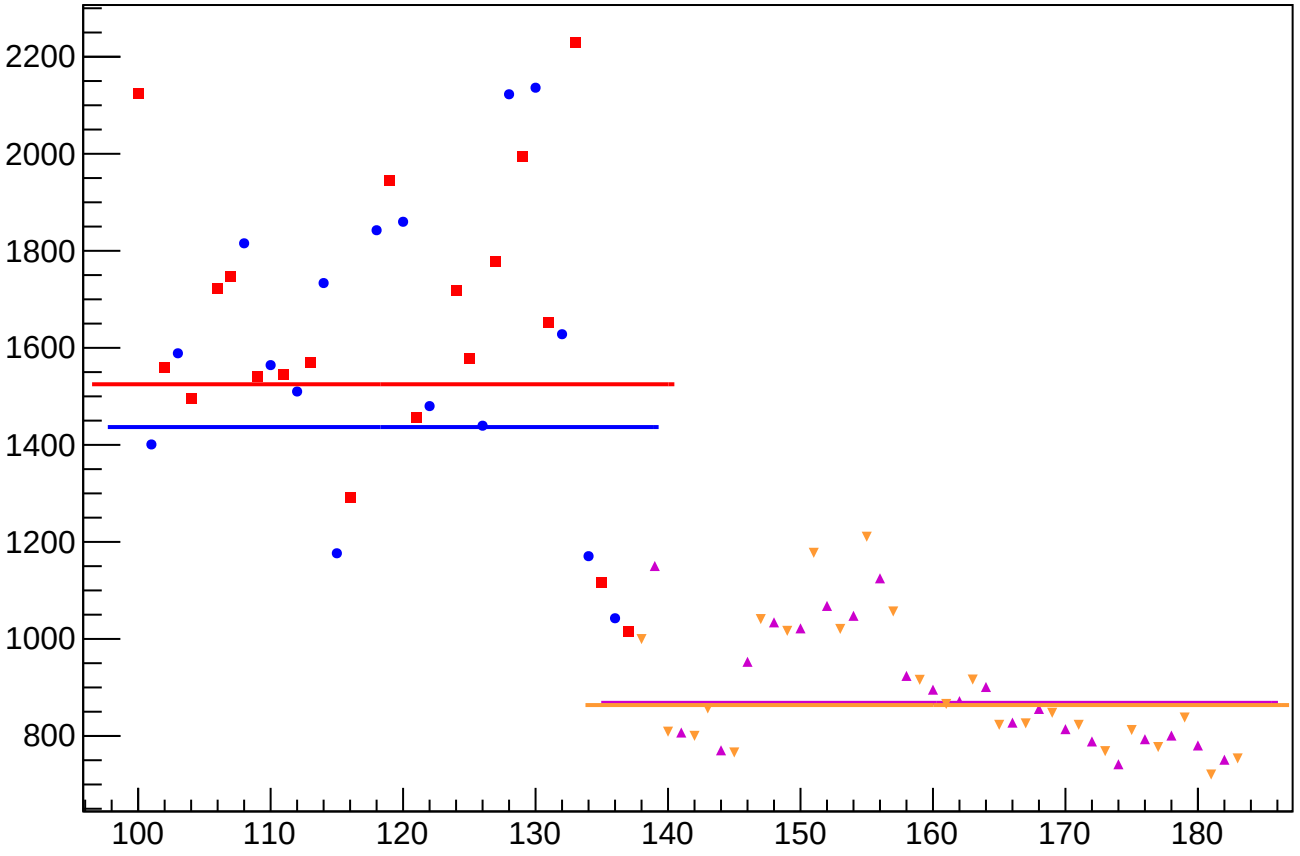
Left In: -107.746+/-206.584 χ^2/NDF:27.8/21

+ sign -849.514+/-187.906 χ^2/NDF: 78.9/39

All: -543.970+/-135.033 χ^2/NDF: 127.5/80

- sign -217.684+/-194.179 χ^2/NDF: 43.1/40

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 863.707+/-0.141 χ^2/NDF:673824.3/23

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

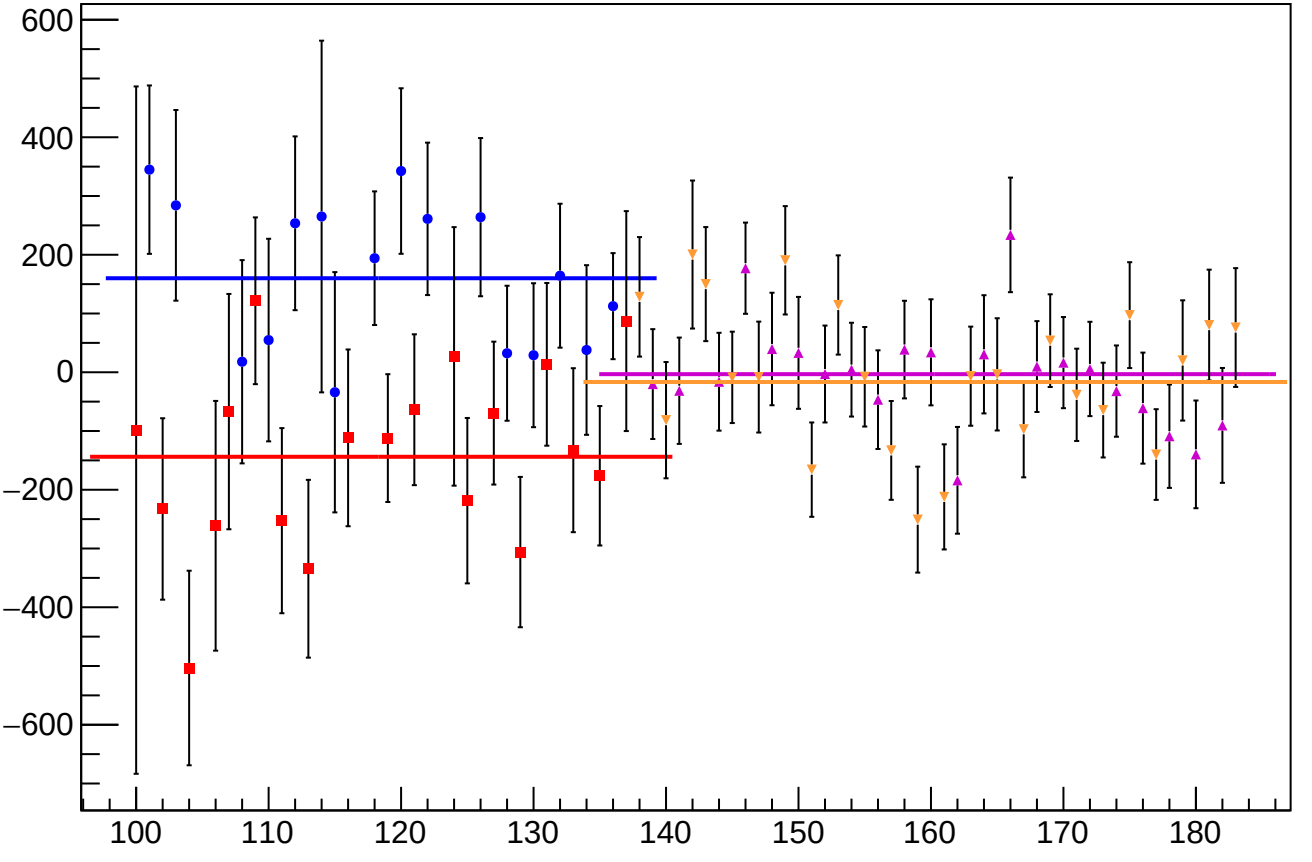
Left In: 868.288+/-0.146 χ^2/NDF:604760.1/21

+ sign 930.542+/-0.133 χ^2/NDF: 3265818.5/39

All: 937.428+/-0.095 χ^2/NDF: 6734707.2/80

- sign 944.782+/-0.137 χ^2/NDF: 3463334.5/40

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -16.570+/-18.078 χ^2/NDF:41.2/23

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

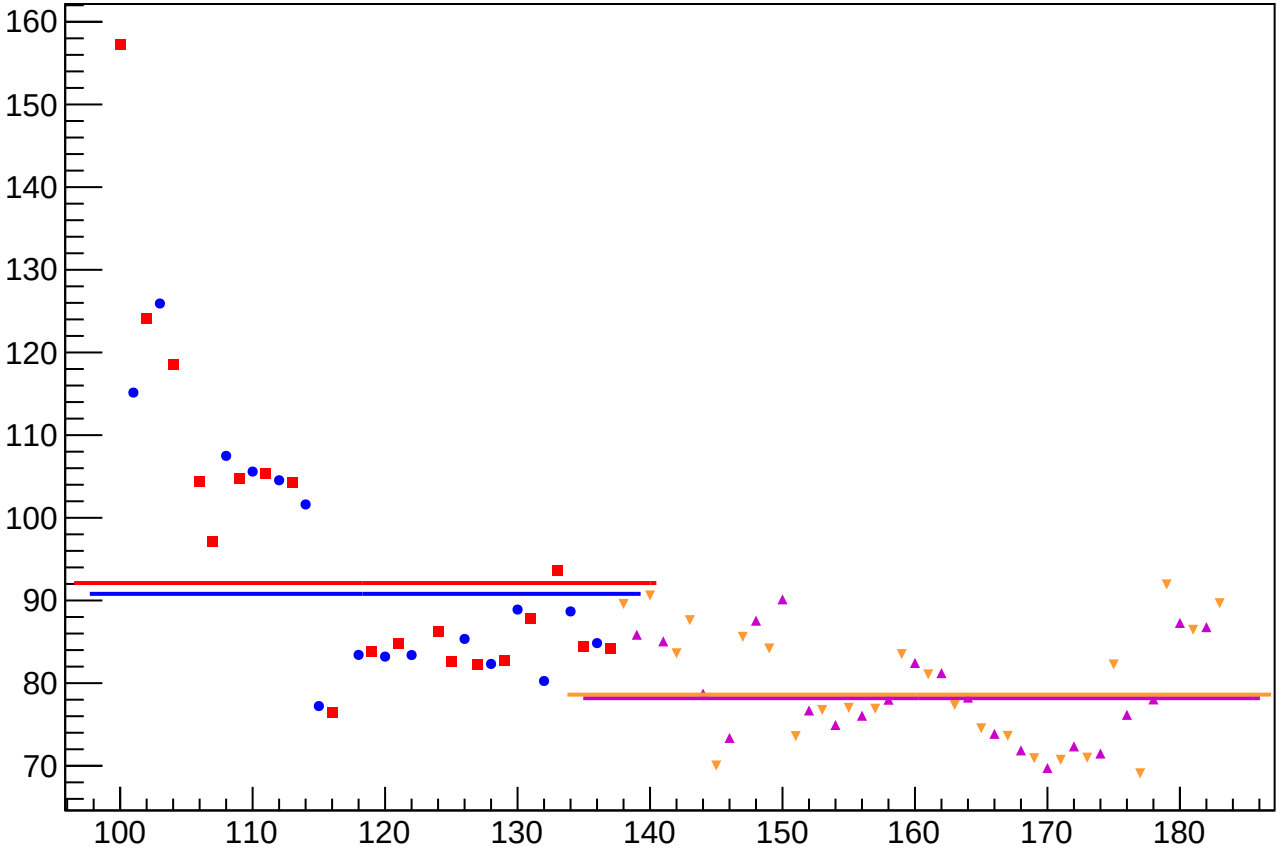
Left In: -3.247+/-18.494 χ^2/NDF:21.6/21

+ sign 22.050+/-15.980 χ^2/NDF: 73.1/39

All: -5.982+/-11.401 χ^2/NDF: 131.4/80

- sign -35.041+/-16.270 χ^2/NDF: 52.1/40

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.613+/-0.013 χ^2/NDF:307224.1/23

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

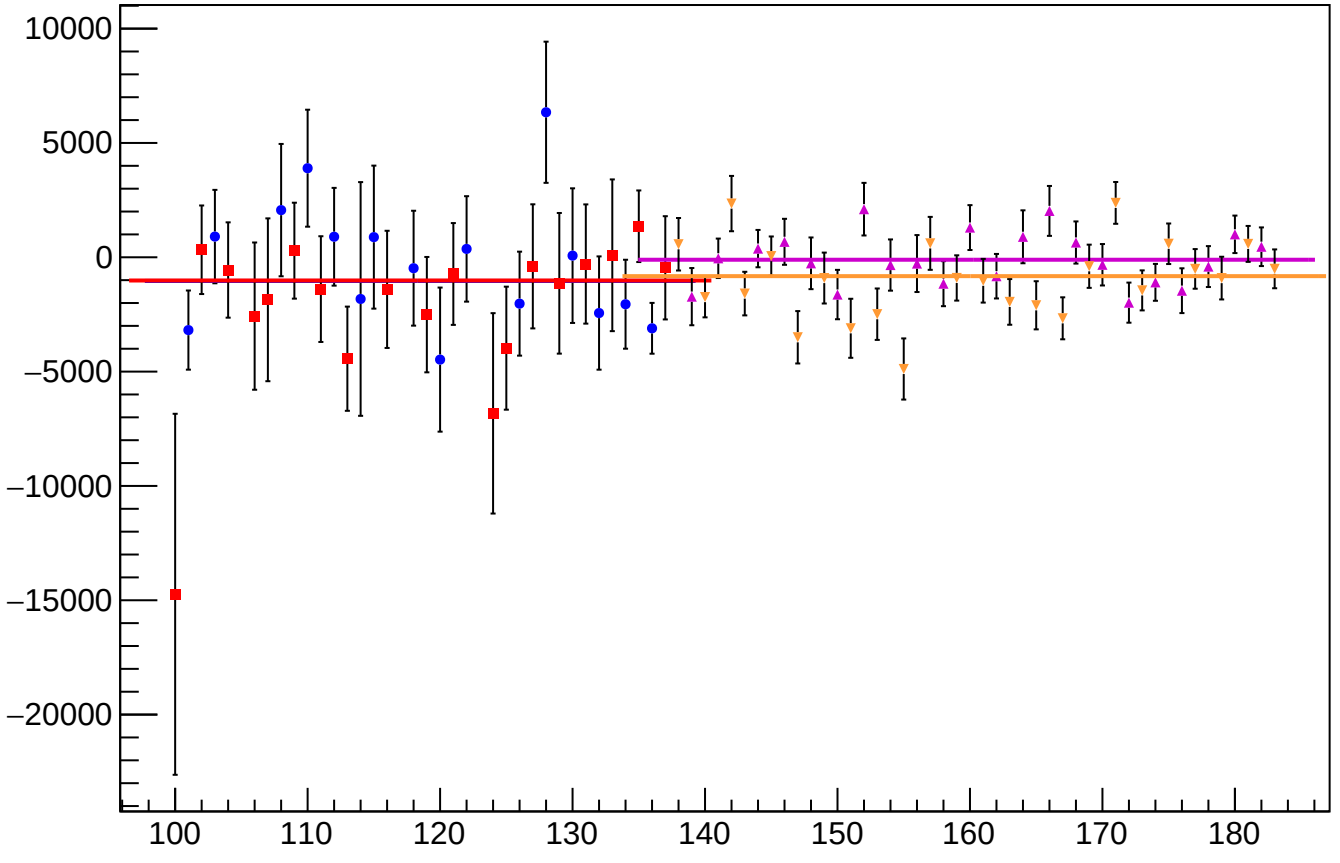
Left In: 78.181+/-0.013 χ^2/NDF:197875.1/21

+ sign 81.279+/-0.011 χ^2/NDF: 778807.0/39

All: 81.304+/-0.008 χ^2/NDF: 1533892.7/80

- sign 81.330+/-0.012 χ^2/NDF: 755075.6/40

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -825.016+/-199.927 χ^2/NDF:58.5/23

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

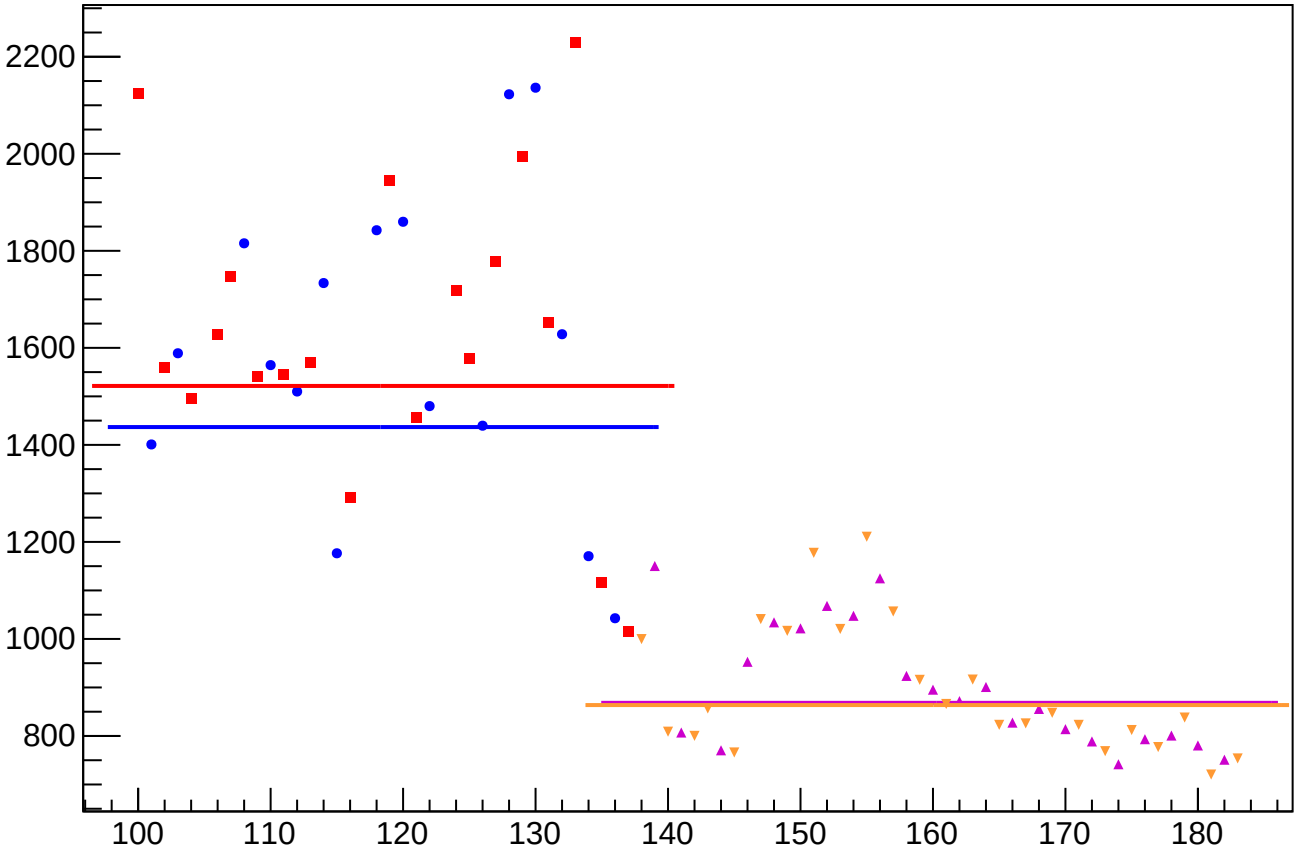
Left In: -107.747+/-206.584 χ^2/NDF:27.8/21

+ sign -849.508+/-187.906 χ^2/NDF: 78.9/39

All: -541.853+/-135.044 χ^2/NDF: 127.0/80

- sign -213.202+/-194.213 χ^2/NDF: 42.5/40

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 863.707+/-0.141 χ^2/NDF:673823.1/23

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

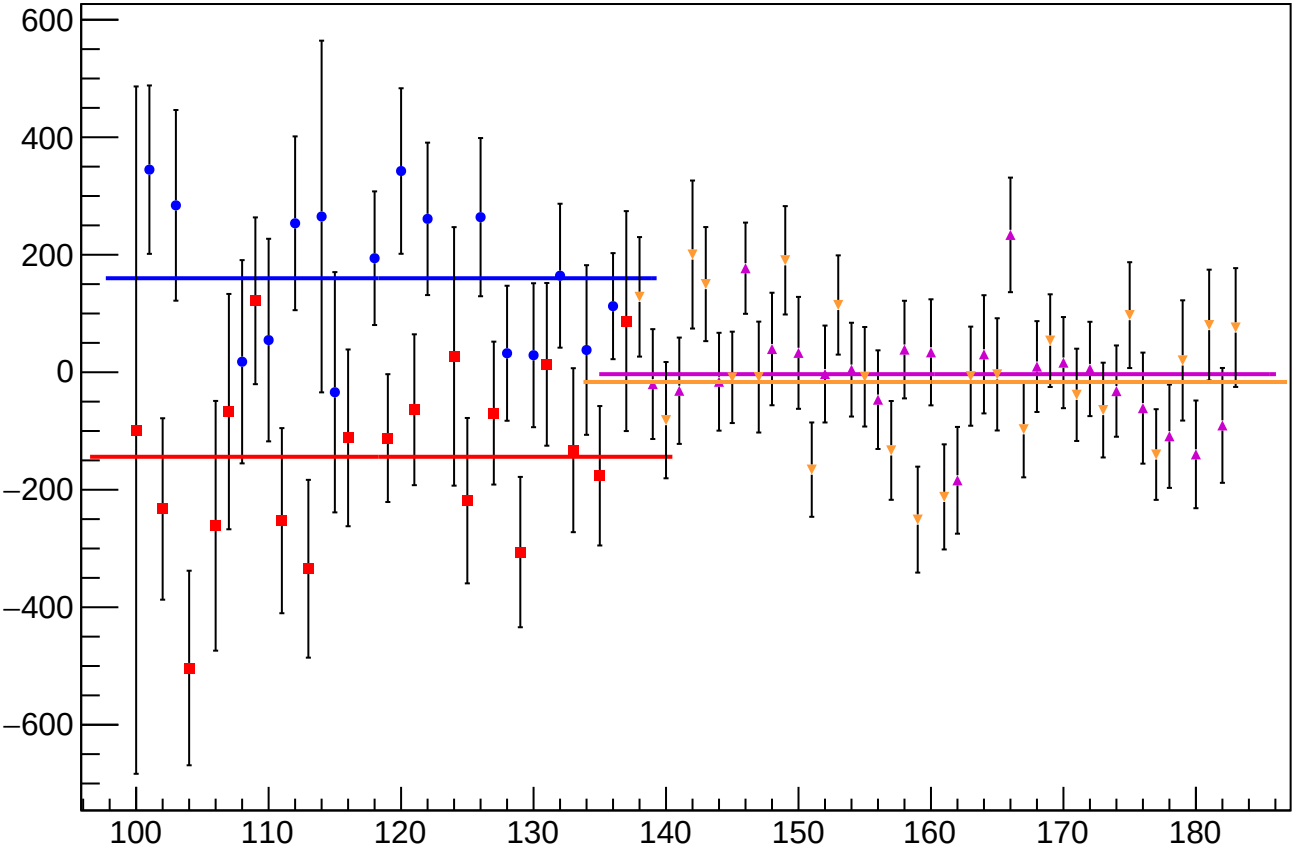
Left In: 868.288+/-0.146 χ^2/NDF:604758.1/21

+ sign 930.542+/-0.133 χ^2/NDF: 3265839.5/39

All: 937.137+/-0.095 χ^2/NDF: 6697276.8/80

- sign 944.182+/-0.137 χ^2/NDF: 3426342.4/40

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -16.570+/-18.078 χ^2/NDF:41.2/23

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

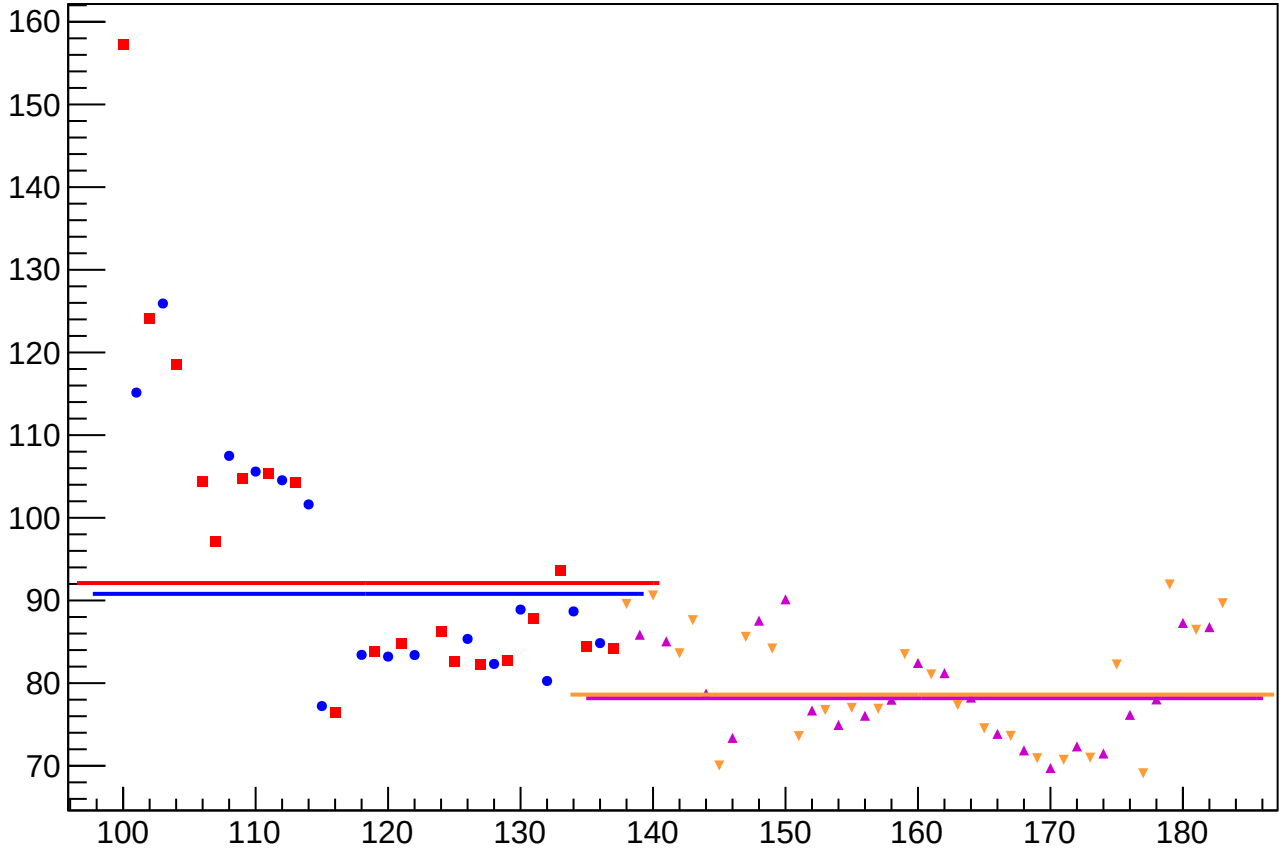
Left In: -3.247+/-18.494 χ^2/NDF:21.6/21

+ sign 22.050+/-15.980 χ^2/NDF: 73.1/39

All: -5.982+/-11.401 χ^2/NDF: 131.4/80

- sign -35.041+/-16.270 χ^2/NDF: 52.1/40

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.613+/-0.013 χ^2/NDF:307224.1/23

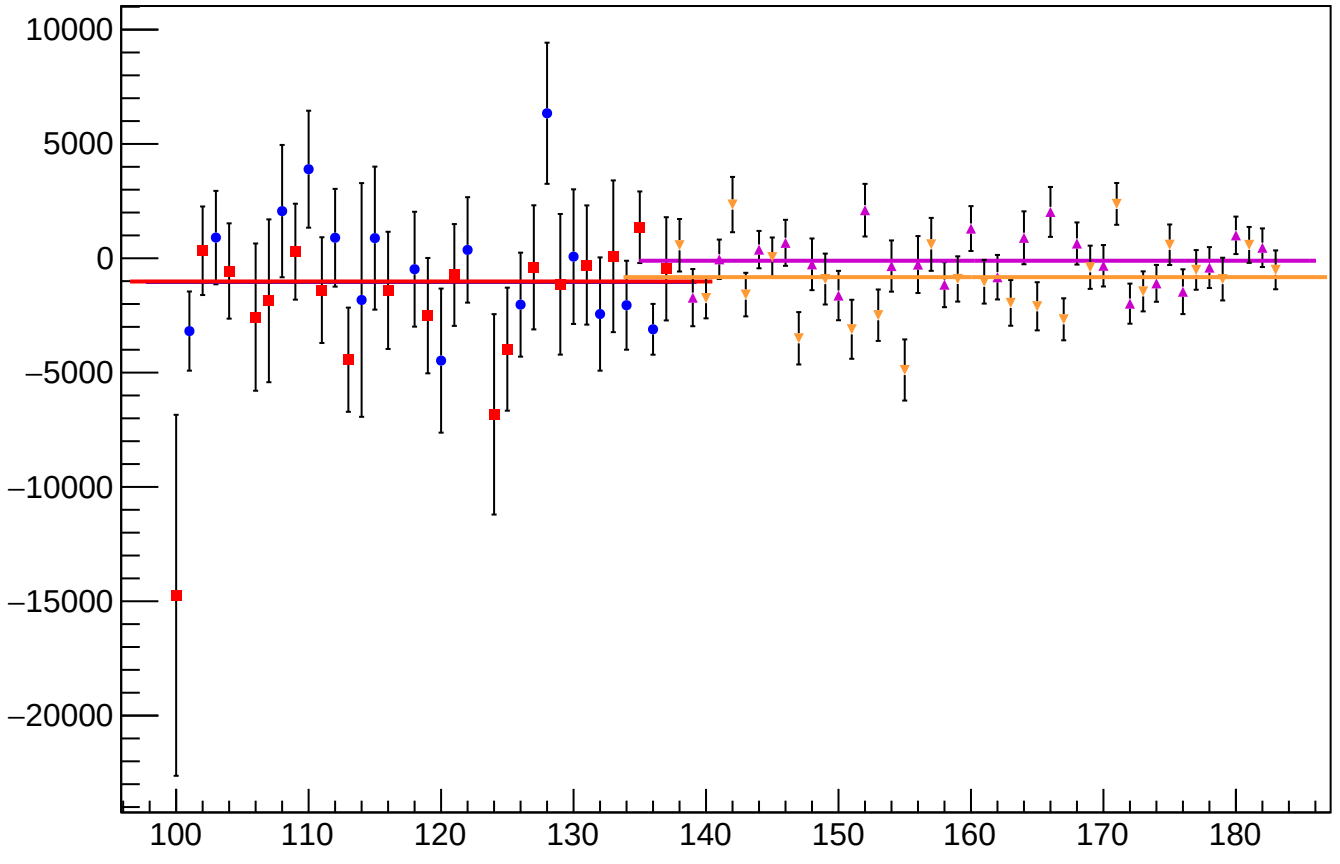
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.181+/-0.013 χ^2/NDF:197875.1/21

+ sign 81.279+/-0.011 χ^2/NDF: 778807.0/39

All: 81.304+/-0.008 χ^2/NDF: 1533892.7/80

- sign 81.330+/-0.012 χ^2/NDF: 755075.6/40



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -825.016+/-199.927 χ^2/NDF:58.5/23

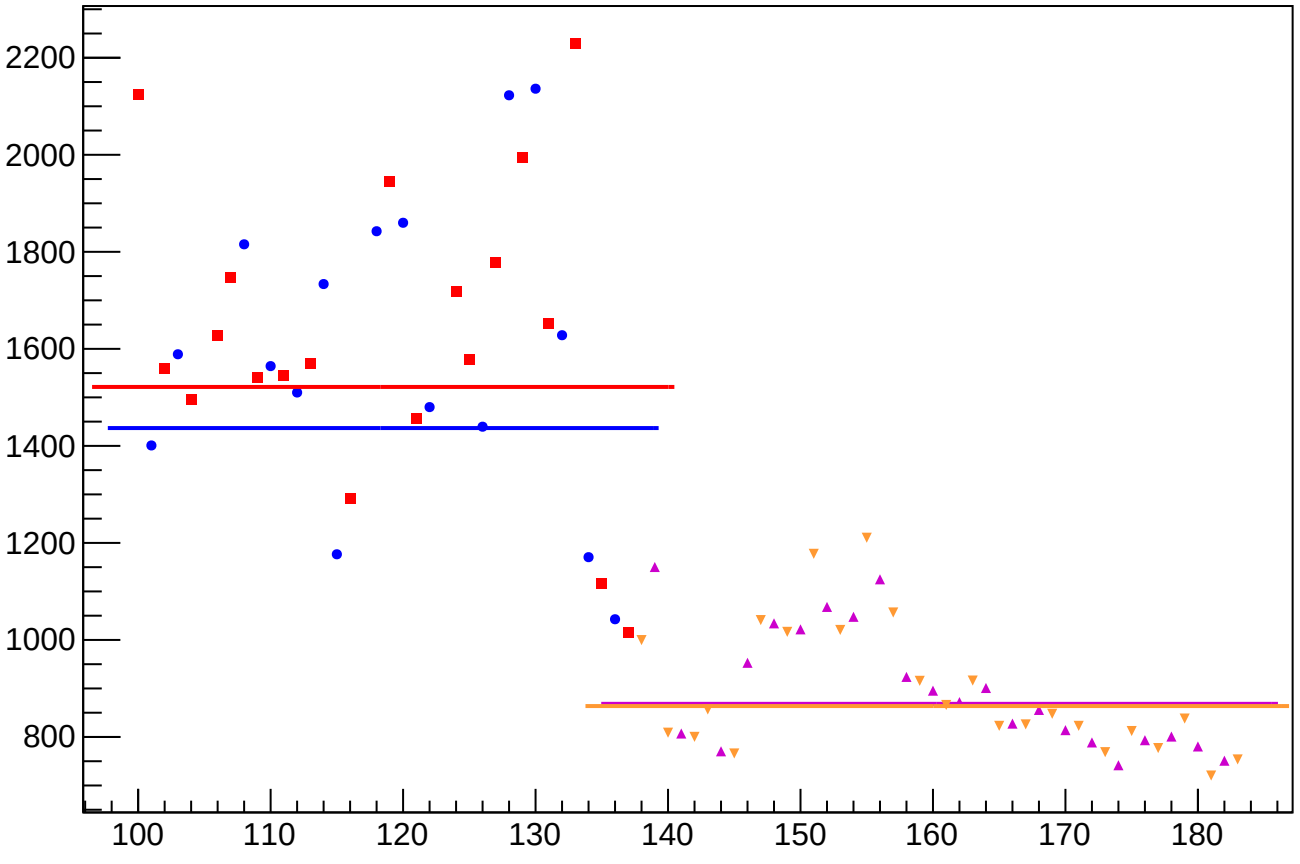
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -107.747+/-206.584 χ^2/NDF:27.8/21

+ sign -849.508+/-187.906 χ^2/NDF: 78.9/39

All: -541.853+/-135.044 χ^2/NDF: 127.0/80

- sign -213.202+/-194.213 χ^2/NDF: 42.5/40



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 863.707+/-0.141 χ^2/NDF:673823.1/23

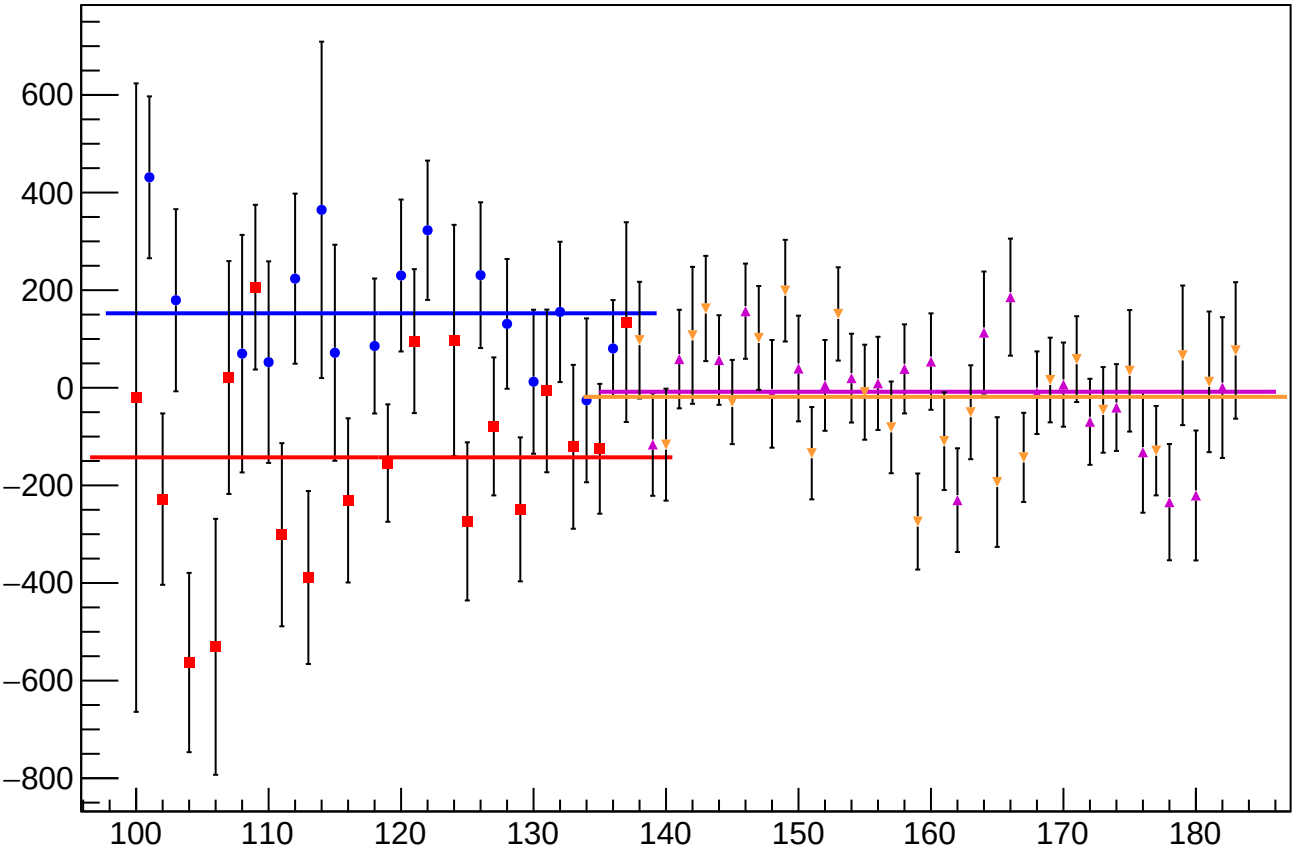
Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 868.288+/-0.146 χ^2/NDF:604758.1/21

+ sign 930.542+/-0.133 χ^2/NDF: 3265839.5/39

All: 937.137+/-0.095 χ^2/NDF: 6697276.8/80

- sign 944.182+/-0.137 χ^2/NDF: 3426342.4/40



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -18.609+/-21.086 χ^2/NDF:30.8/23

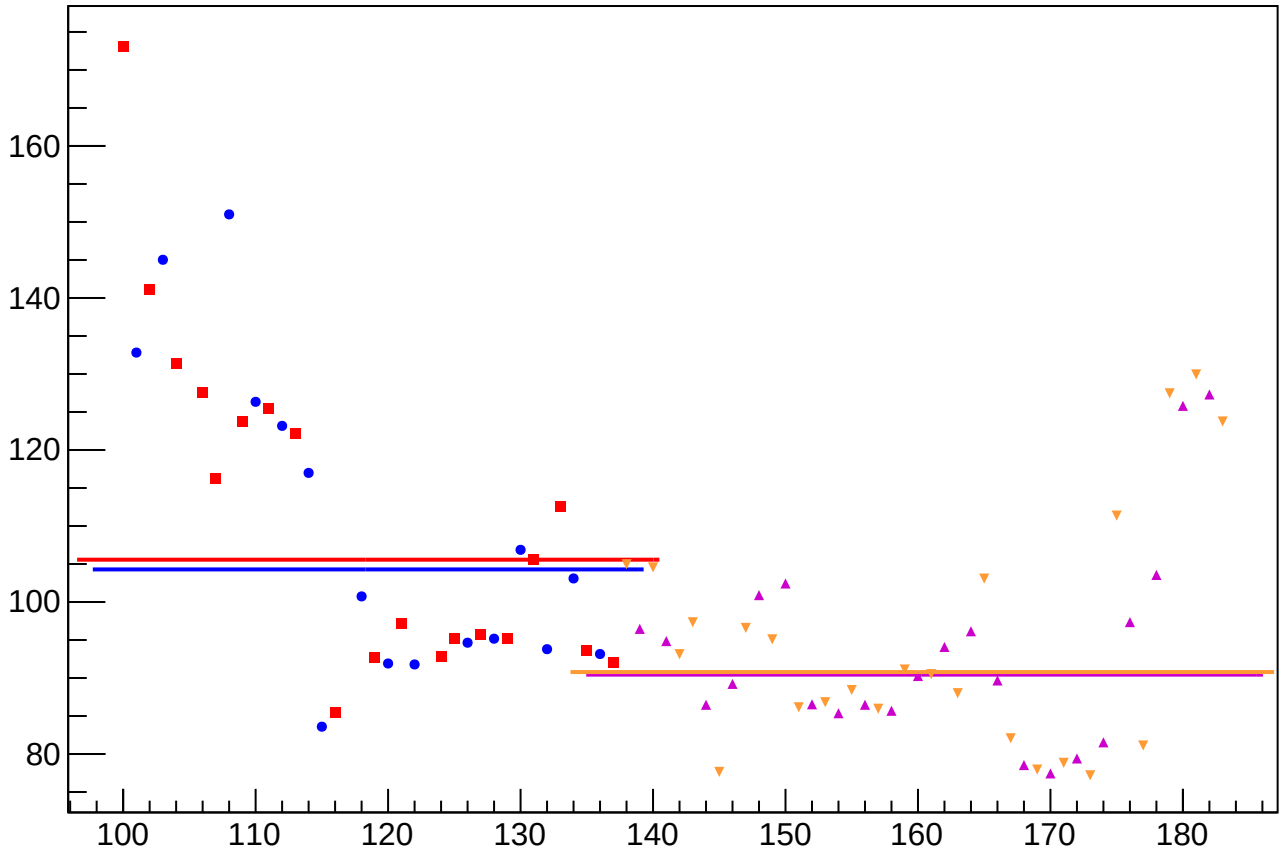
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -8.145+/-21.617 χ^2/NDF:21.6/21

+ sign 19.446+/-18.596 χ^2/NDF: 54.1/39

All: -9.382+/-13.271 χ^2/NDF: 112.5/80

- sign -39.303+/-18.945 χ^2/NDF: 53.5/40



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.784+/-0.015 χ^2/NDF:768413.8/23

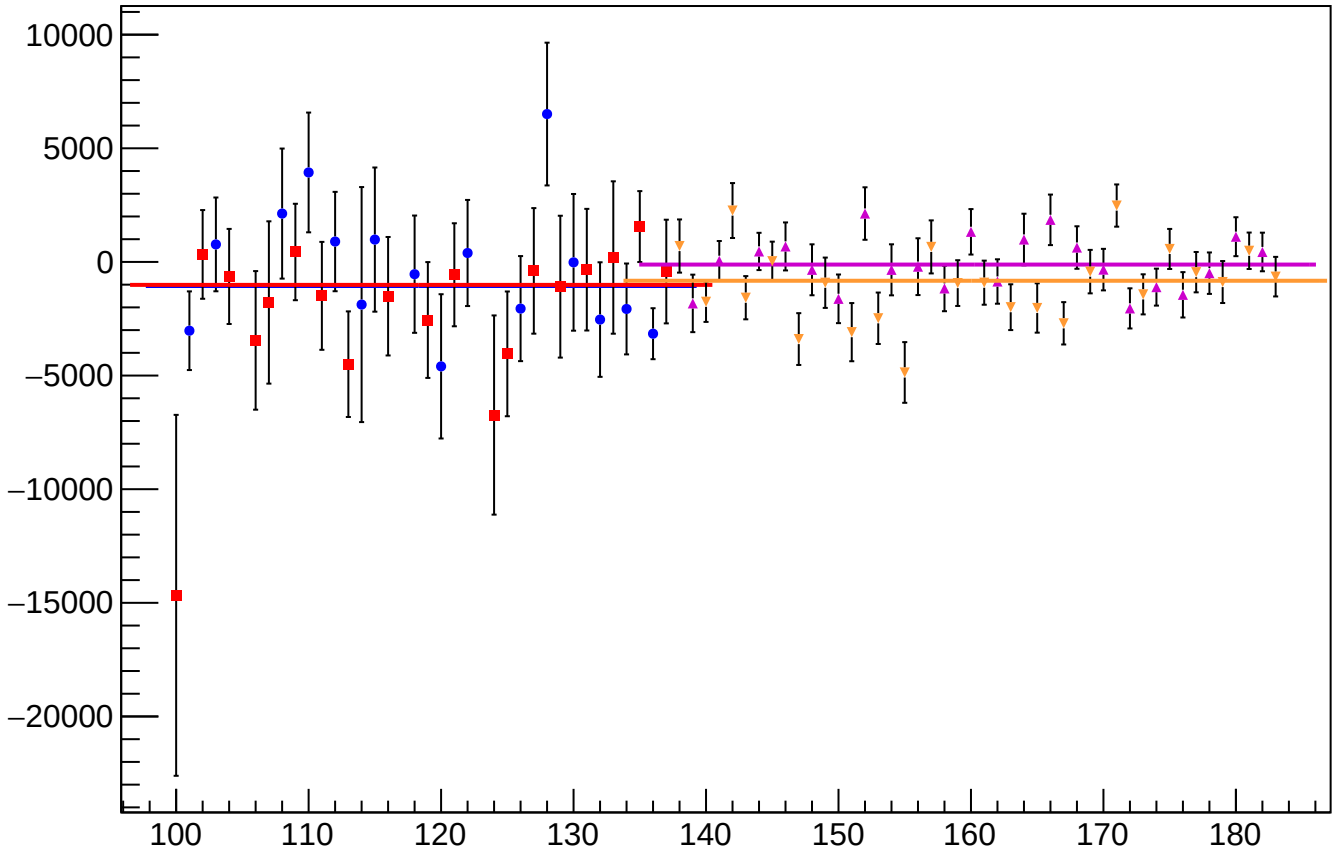
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.441+/-0.015 χ^2/NDF:520838.2/21

+ sign 93.784+/-0.013 χ^2/NDF: 1328987.9/39

All: 93.865+/-0.009 χ^2/NDF: 2421626.2/80

- sign 93.950+/-0.013 χ^2/NDF: 1092560.7/40



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -828.275+/-201.649 χ^2/NDF:57.4/23

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

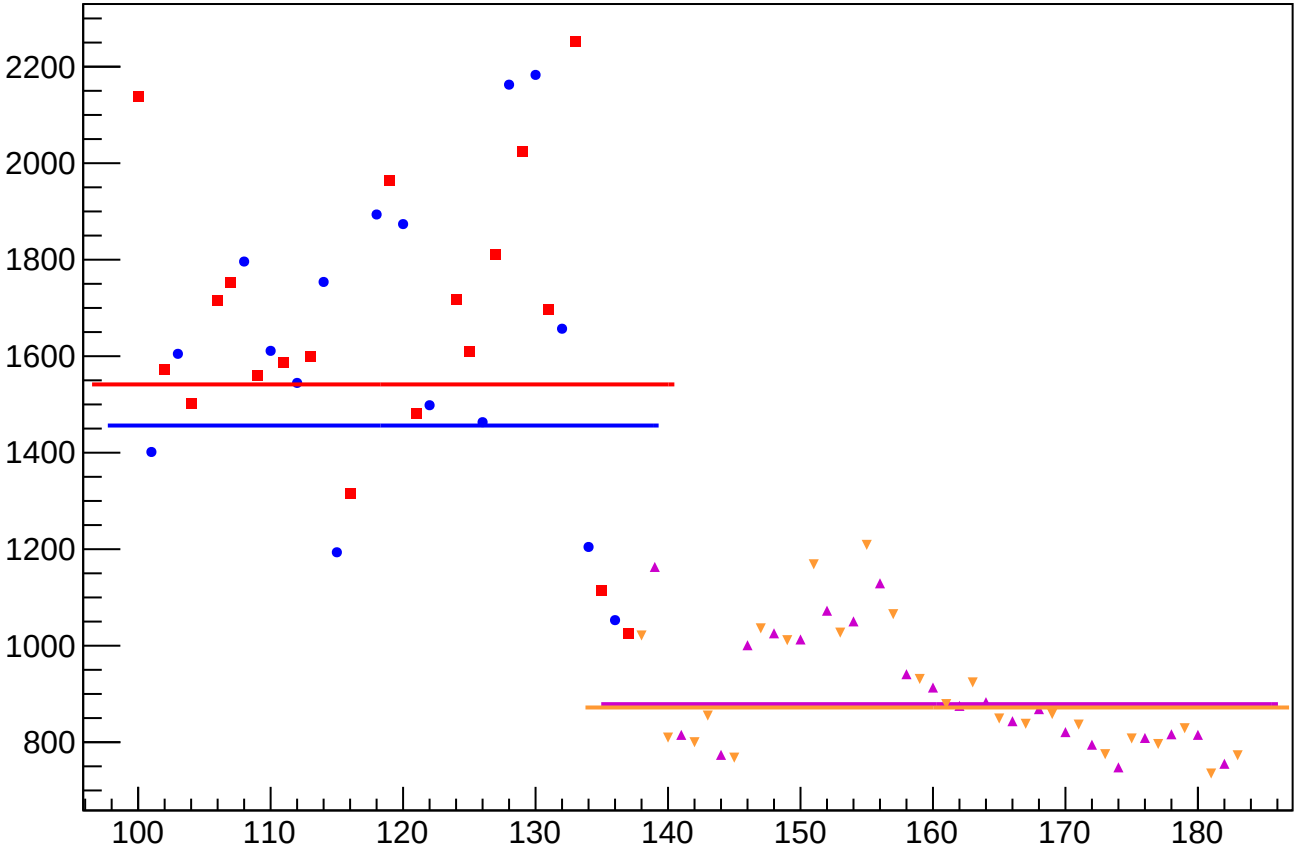
Left In: -116.145+/-208.979 χ^2/NDF:28.0/21

+ sign -854.997+/-189.632 χ^2/NDF: 77.6/39

All: -548.841+/-136.424 χ^2/NDF: 126.4/80

- sign -220.396+/-196.413 χ^2/NDF: 43.4/40

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 871.948+/-0.143 χ^2/NDF:636853.1/23

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

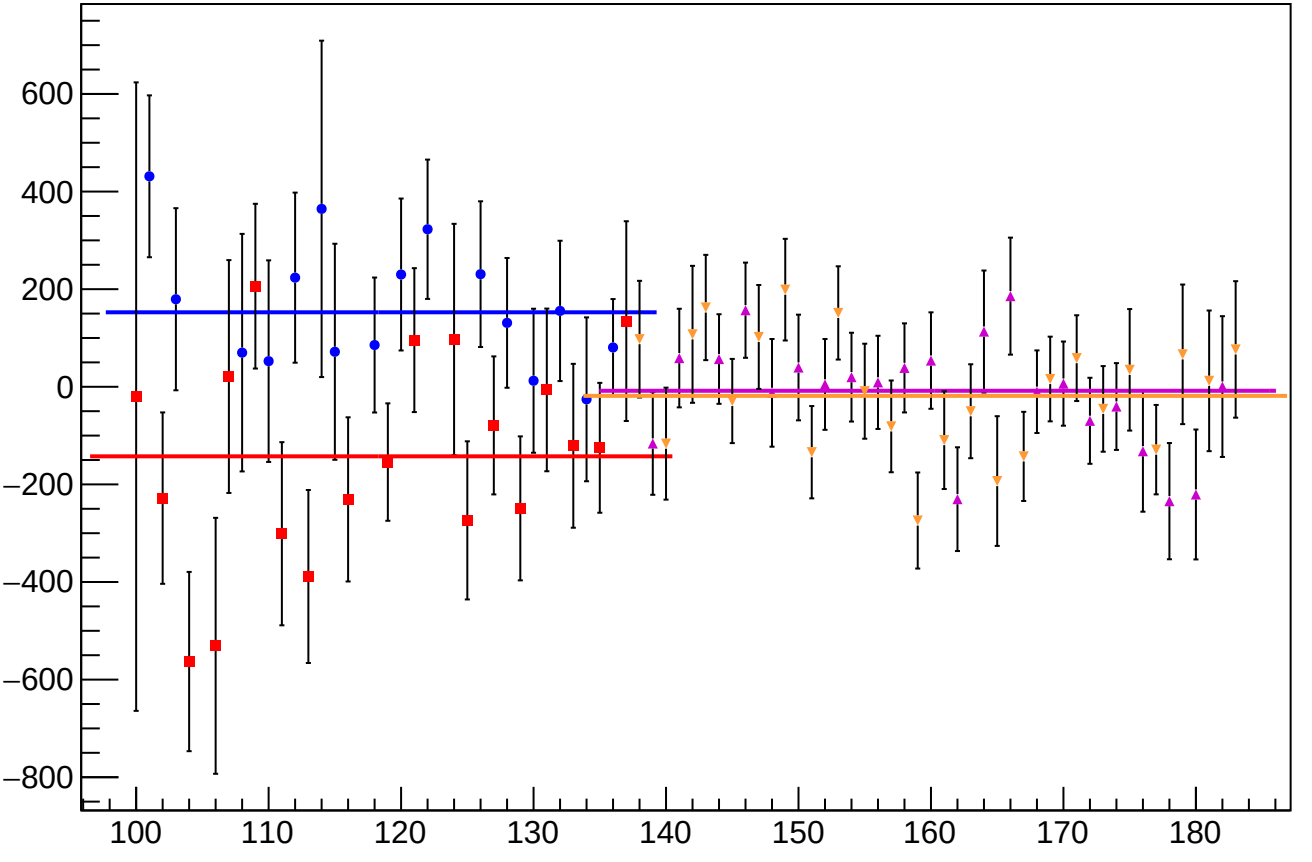
Left In: 878.852+/-0.148 χ^2/NDF:583297.9/21

\+ sign 939.523+/-0.134 χ^2/NDF: 3263875.8/39

All: 947.543+/-0.096 χ^2/NDF: 6719641.4/80

\- sign 956.147+/-0.139 χ^2/NDF: 3448350.0/40

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -18.609+/-21.086 χ^2/NDF:30.8/23

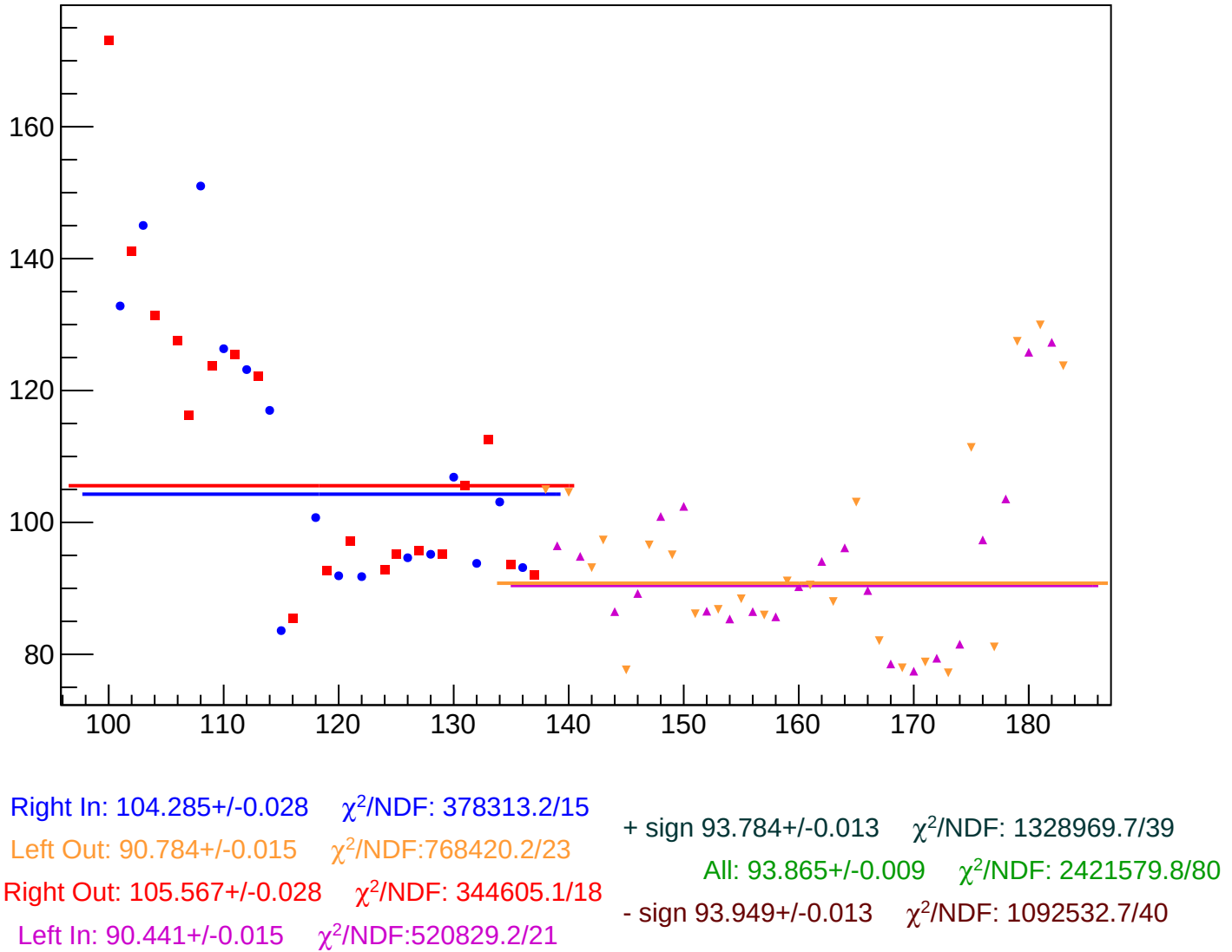
Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

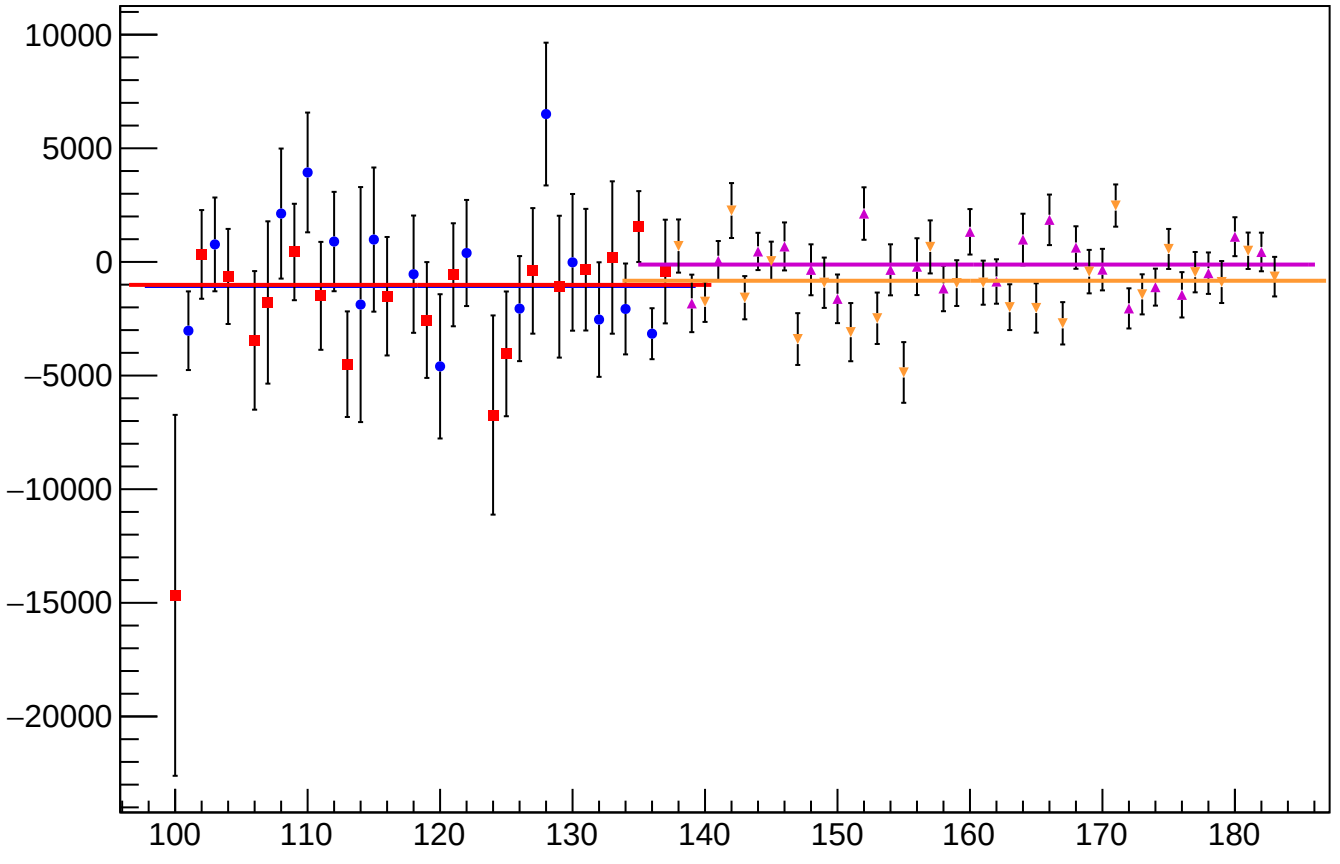
Left In: -8.145+/-21.617 χ^2/NDF:21.6/21

+ sign 19.447+/-18.596 χ^2/NDF: 54.1/39

All: -9.381+/-13.271 χ^2/NDF: 112.5/80

- sign -39.303+/-18.945 χ^2/NDF: 53.5/40


eigen_dit_asym_sam_24_68_dd_rms vs Slug
160
140
120
100
80
100
110
120
130
140
150
160
170
180
Right In: 104.285+/-0.028 χ²/NDF: 378313.2/15
Left Out: 90.784+/-0.015 χ²/NDF:768420.2/23
Right Out: 105.567+/-0.028 χ²/NDF: 344605.1/18
Left In: 90.441+/-0.015 χ²/NDF:520829.2/21
+ sign 93.784+/-0.013 χ²/NDF: 1328969.7/39
All: 93.865+/-0.009 χ²/NDF: 2421579.8/80
- sign 93.949+/-0.013 χ²/NDF: 1092532.7/40



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -828.275+/-201.649 χ^2/NDF:57.4/23

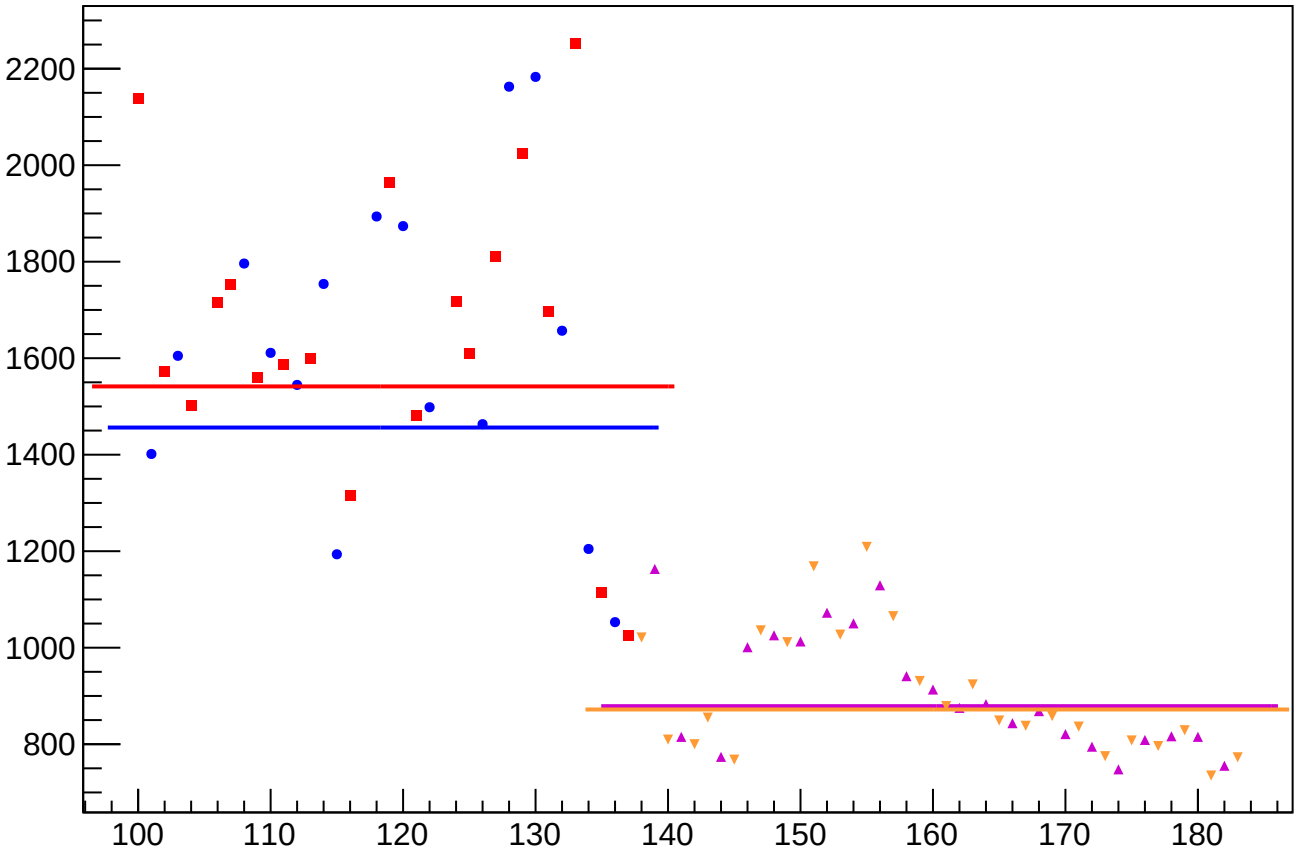
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -116.145+/-208.979 χ^2/NDF:28.0/21

+ sign -854.997+/-189.631 χ^2/NDF: 77.6/39

All: -548.841+/-136.424 χ^2/NDF: 126.4/80

- sign -220.395+/-196.413 χ^2/NDF: 43.4/40



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 871.947+/-0.143 χ^2/NDF:636854.9/23

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

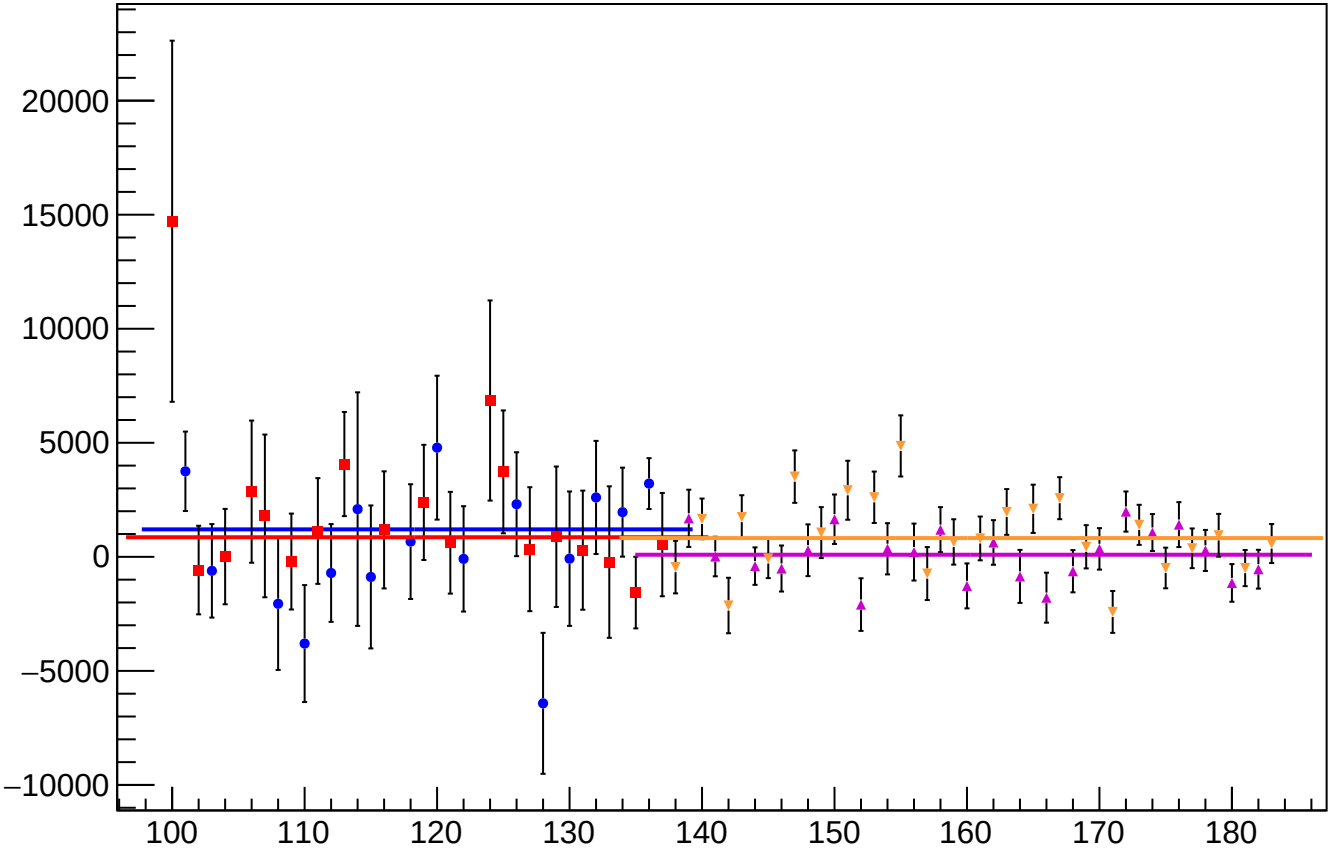
Left In: 878.851+/-0.148 χ^2/NDF:583298.2/21

+ sign 939.522+/-0.134 χ^2/NDF: 3263869.2/39

All: 947.542+/-0.096 χ^2/NDF: 6719628.5/80

- sign 956.146+/-0.139 χ^2/NDF: 3448343.9/40

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 822.939+/-200.847 χ^2/NDF:56.3/23

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

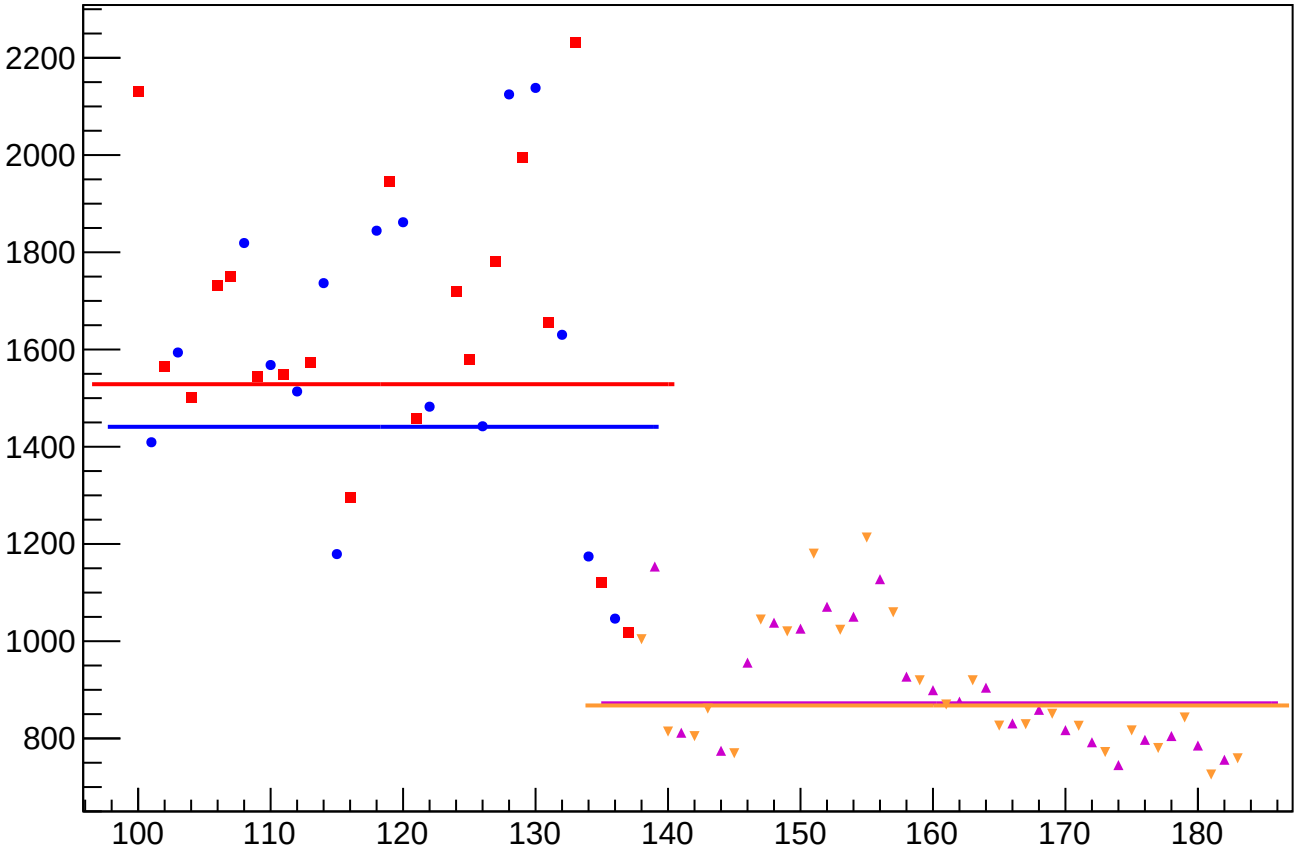
Left In: 92.486+/-207.495 χ^2/NDF:26.6/21

\+ sign 867.609+/-188.731 χ^2/NDF: 77.9/39

All: 536.041+/-135.613 χ^2/NDF: 124.9/80

\- sign 182.101+/-194.994 χ^2/NDF: 40.7/40

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 867.830+/-0.142 χ^2/NDF:663988.4/23

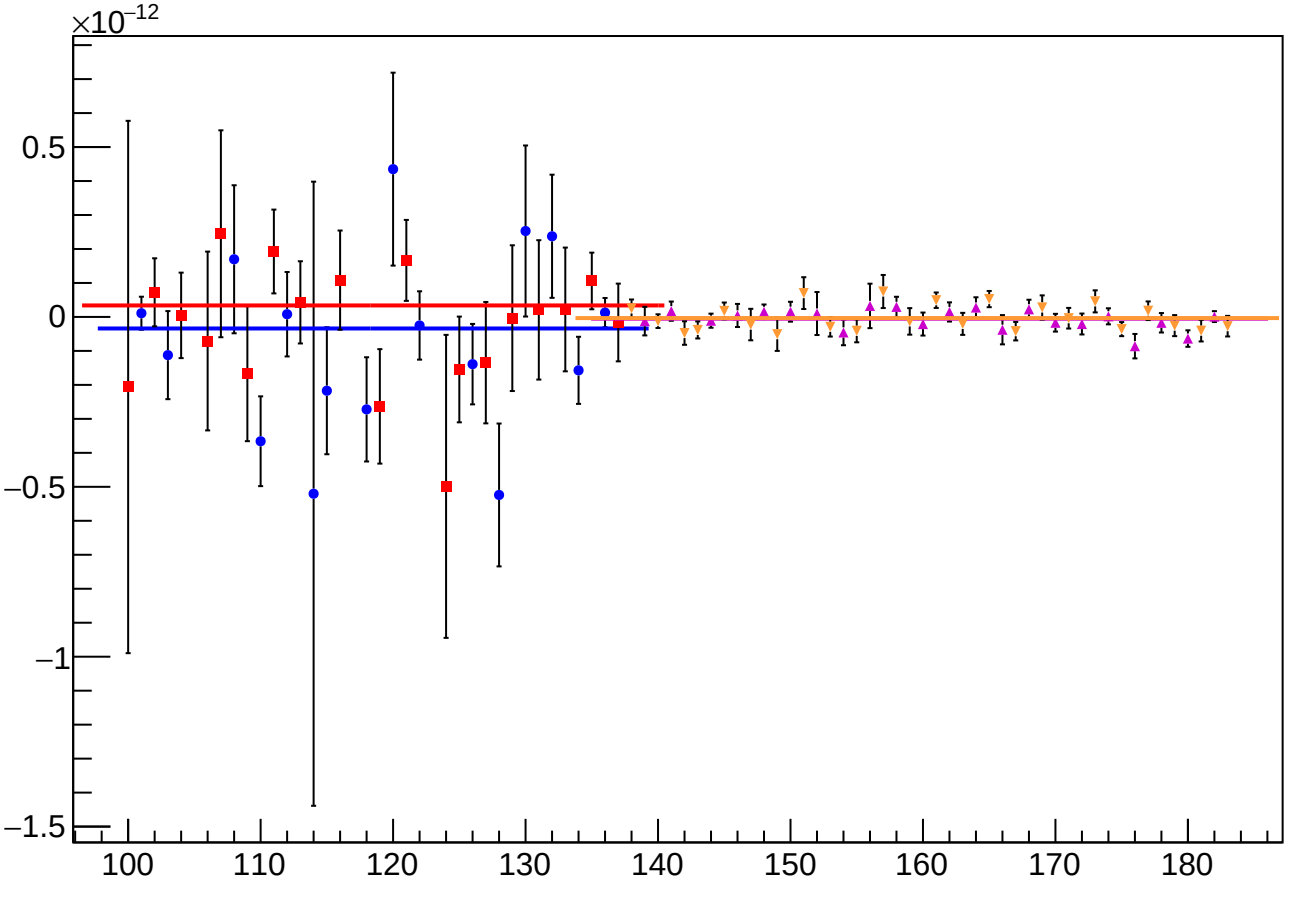
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 872.242+/-0.147 χ^2/NDF:596403.2/21

+ sign 934.902+/-0.133 χ^2/NDF: 3240723.7/39

All: 941.700+/-0.096 χ^2/NDF: 6683365.0/80

- sign 948.956+/-0.138 χ^2/NDF: 3437277.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

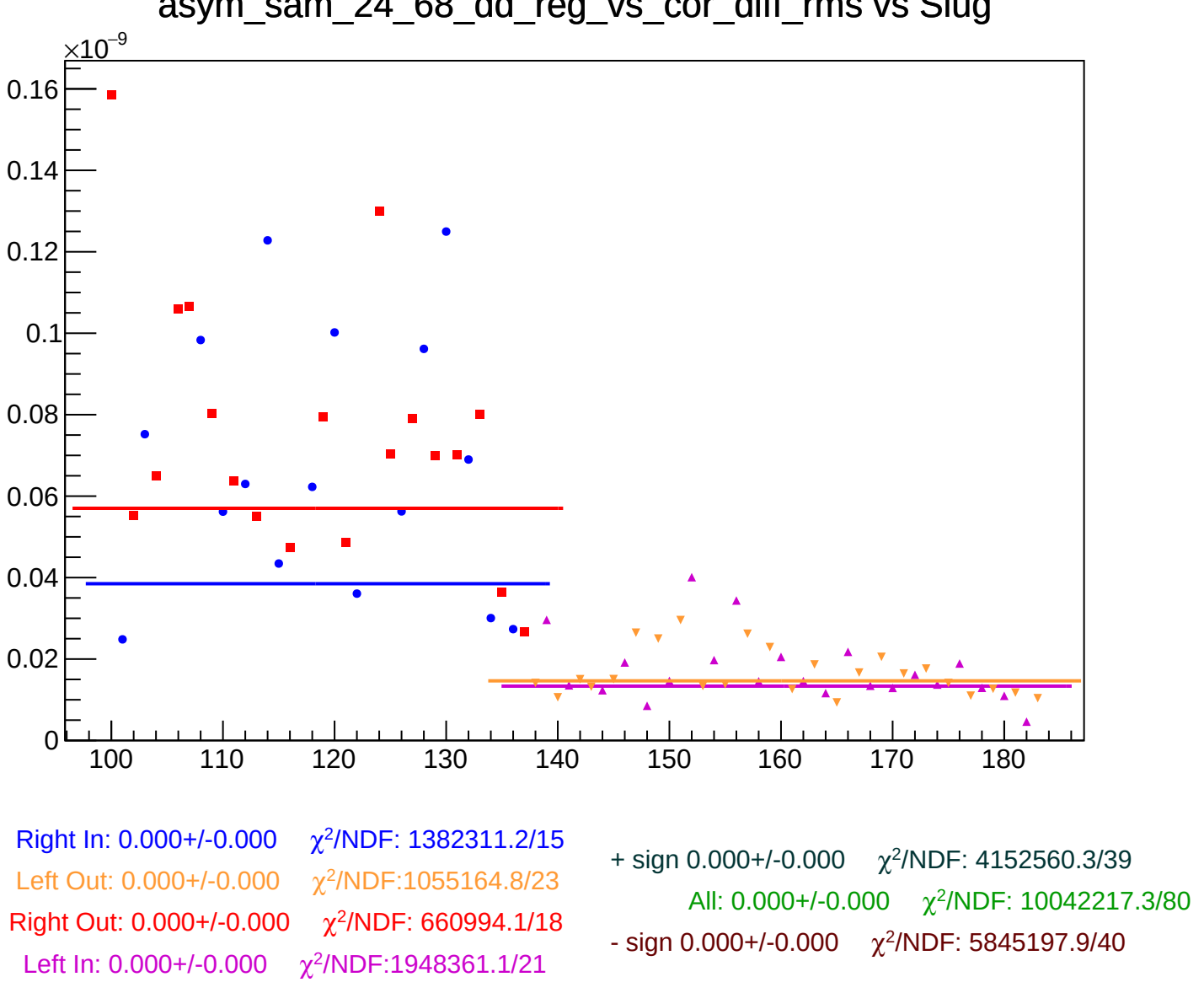
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

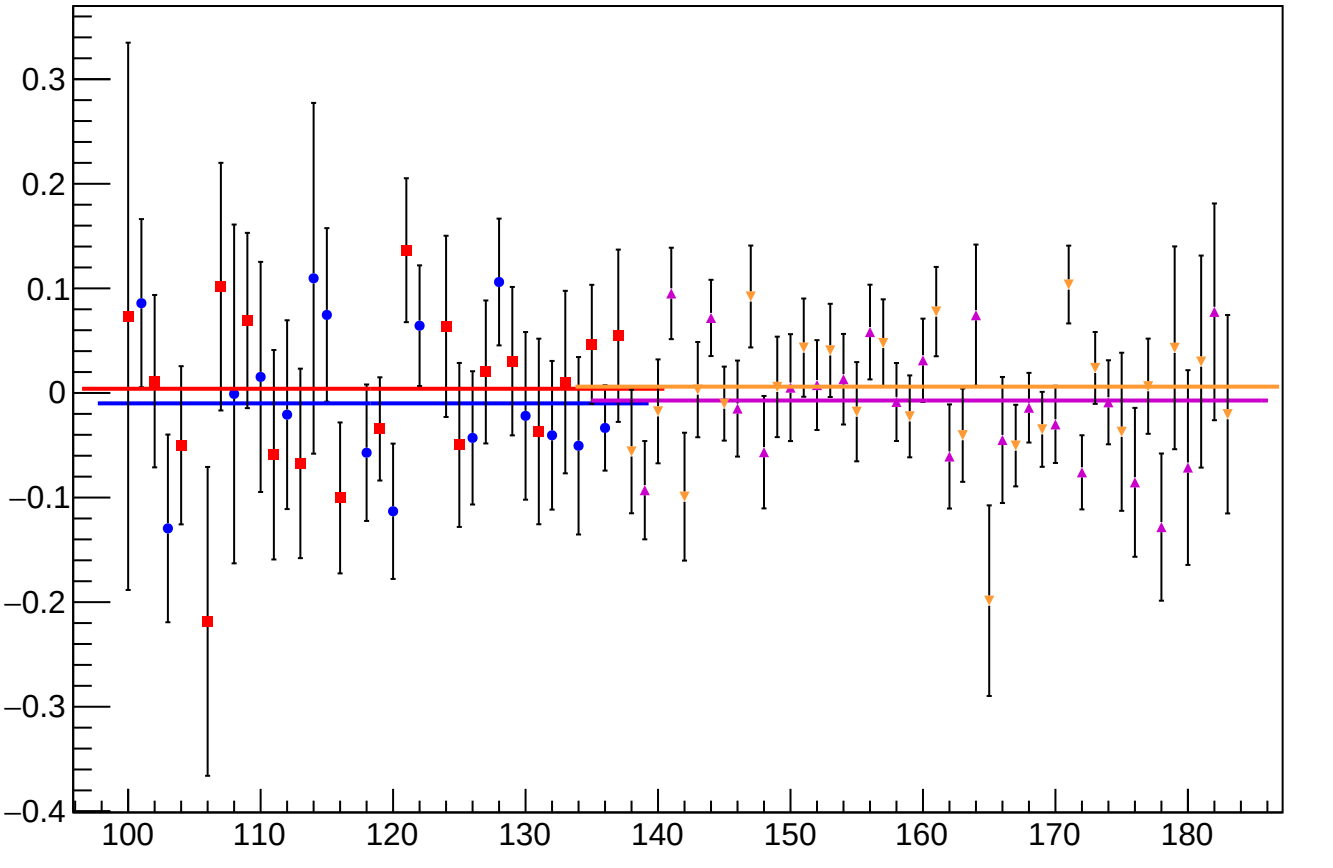
Left In: -0.000+/-0.000 χ^2/NDF:20.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 64.5/39

All: -0.000+/-0.000 χ^2/NDF: 99.0/80

- sign -0.000+/-0.000 χ^2/NDF: 34.5/40


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1055164.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1948361.1/21
+ sign 0.000+/-0.000 χ²/NDF: 4152560.3/39
All: 0.000+/-0.000 χ²/NDF: 10042217.3/80
- sign 0.000+/-0.000 χ²/NDF: 5845197.9/40



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

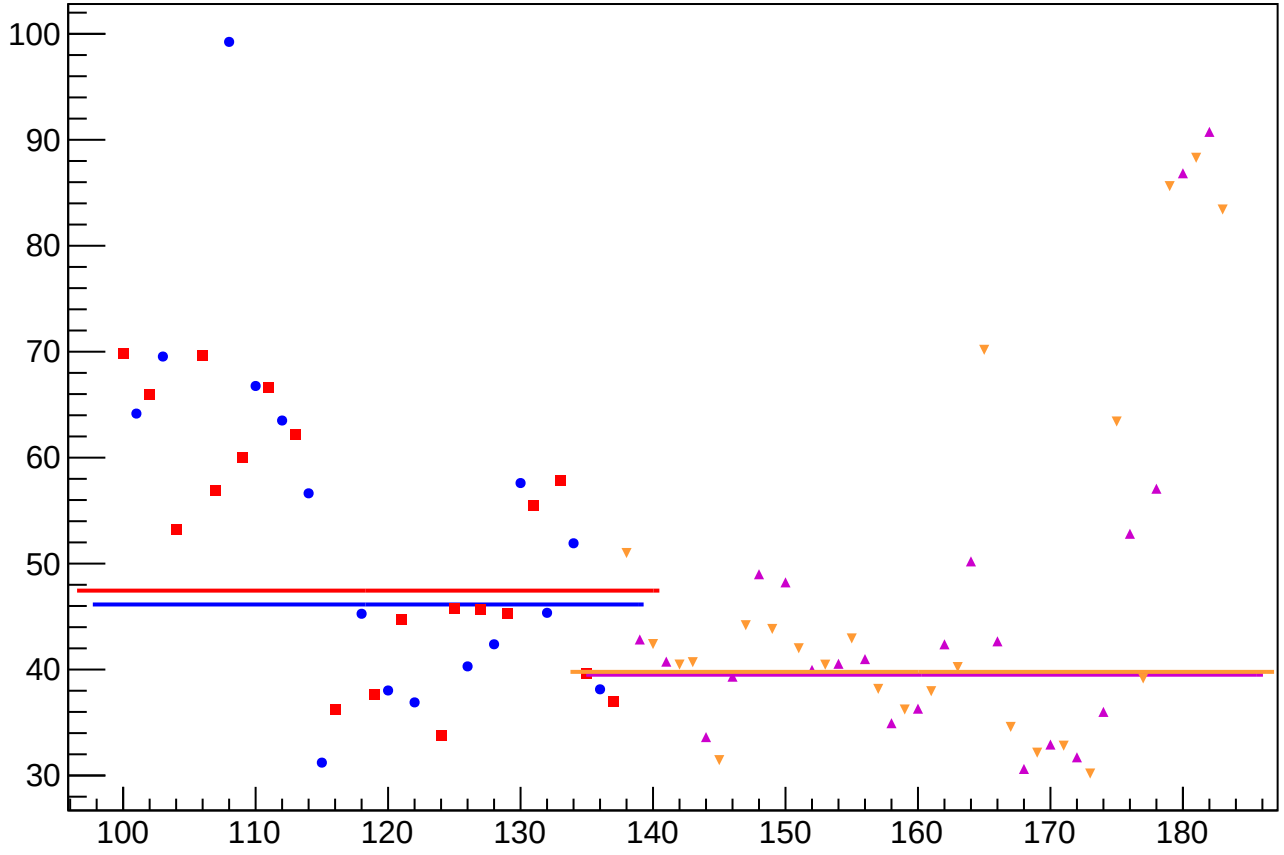
Left In: -0.007+/-0.010 χ^2/NDF:30.3/21

+ sign 0.003+/-0.008 χ^2/NDF: 45.6/39

All: -0.001+/-0.006 χ^2/NDF: 90.4/80

- sign -0.005+/-0.009 χ^2/NDF: 44.5/40

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.781+/-0.007 χ^2/NDF:2356605.4/23

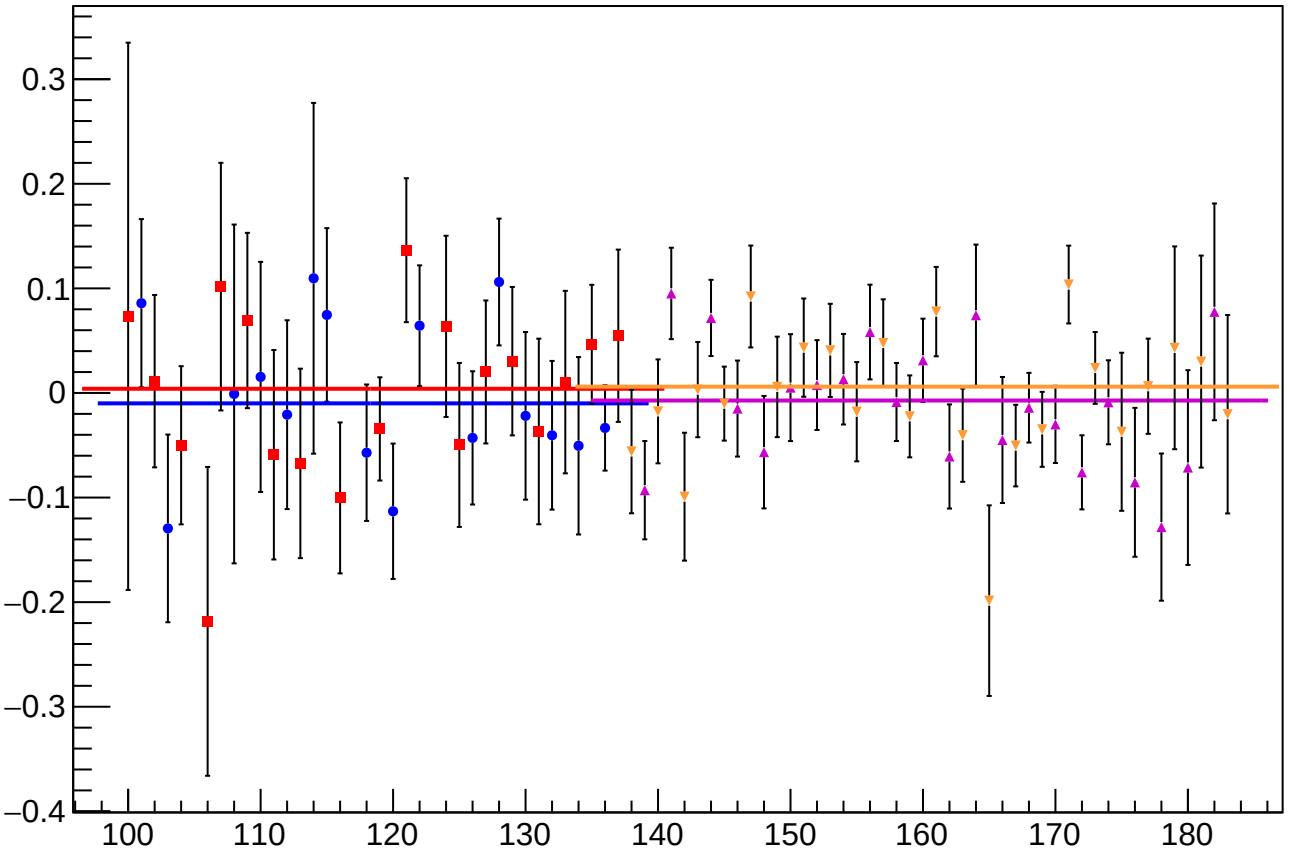
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.512+/-0.007 χ^2/NDF:1811675.4/21

+ sign 41.189+/-0.006 χ^2/NDF: 3454479.6/39

All: 41.250+/-0.004 χ^2/NDF: 6218618.3/80

- sign 41.314+/-0.006 χ^2/NDF: 2763923.6/40



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

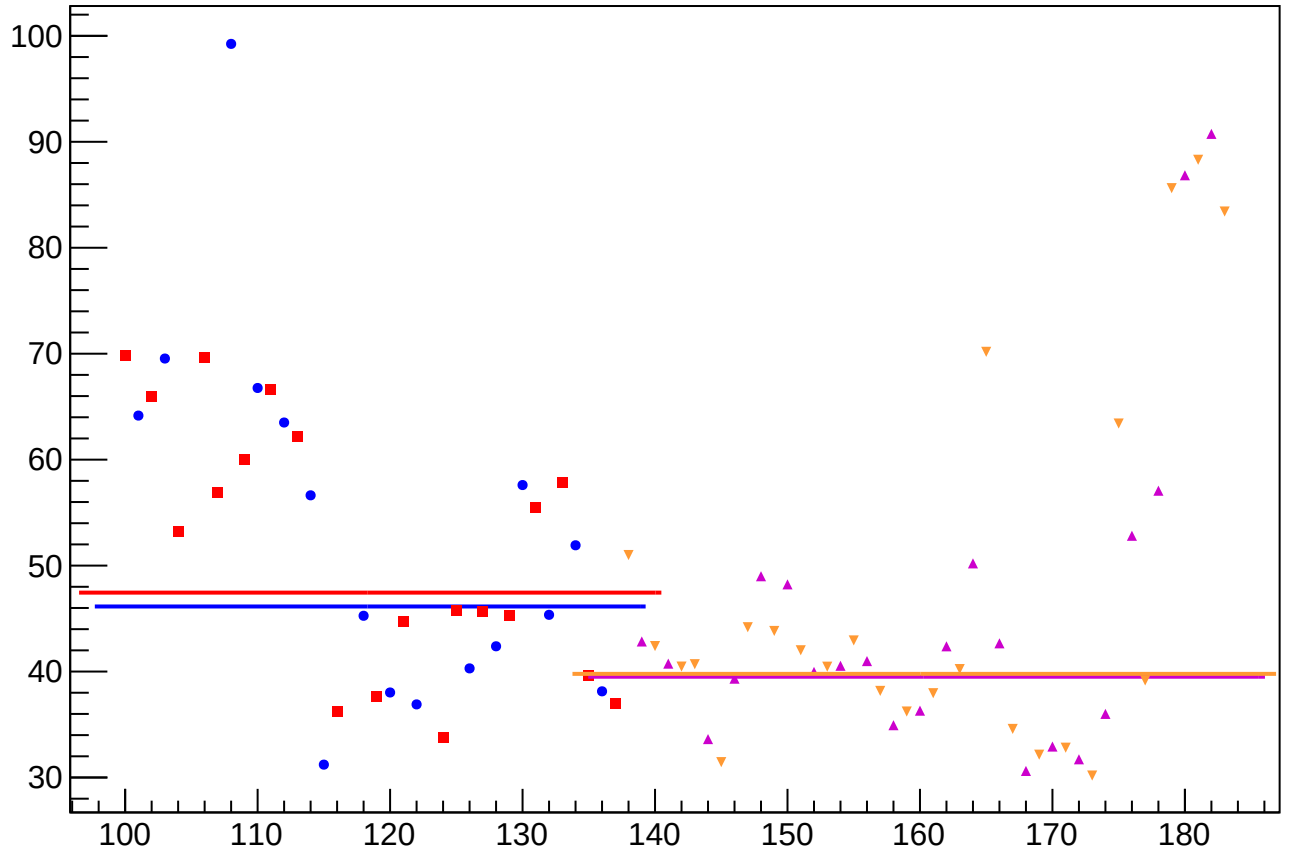
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.3/21

+ sign 0.003+/-0.008 χ^2/NDF: 45.6/39

All: -0.001+/-0.006 χ^2/NDF: 90.4/80

- sign -0.005+/-0.009 χ^2/NDF: 44.5/40



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.781+/-0.007 χ^2/NDF:2356605.4/23

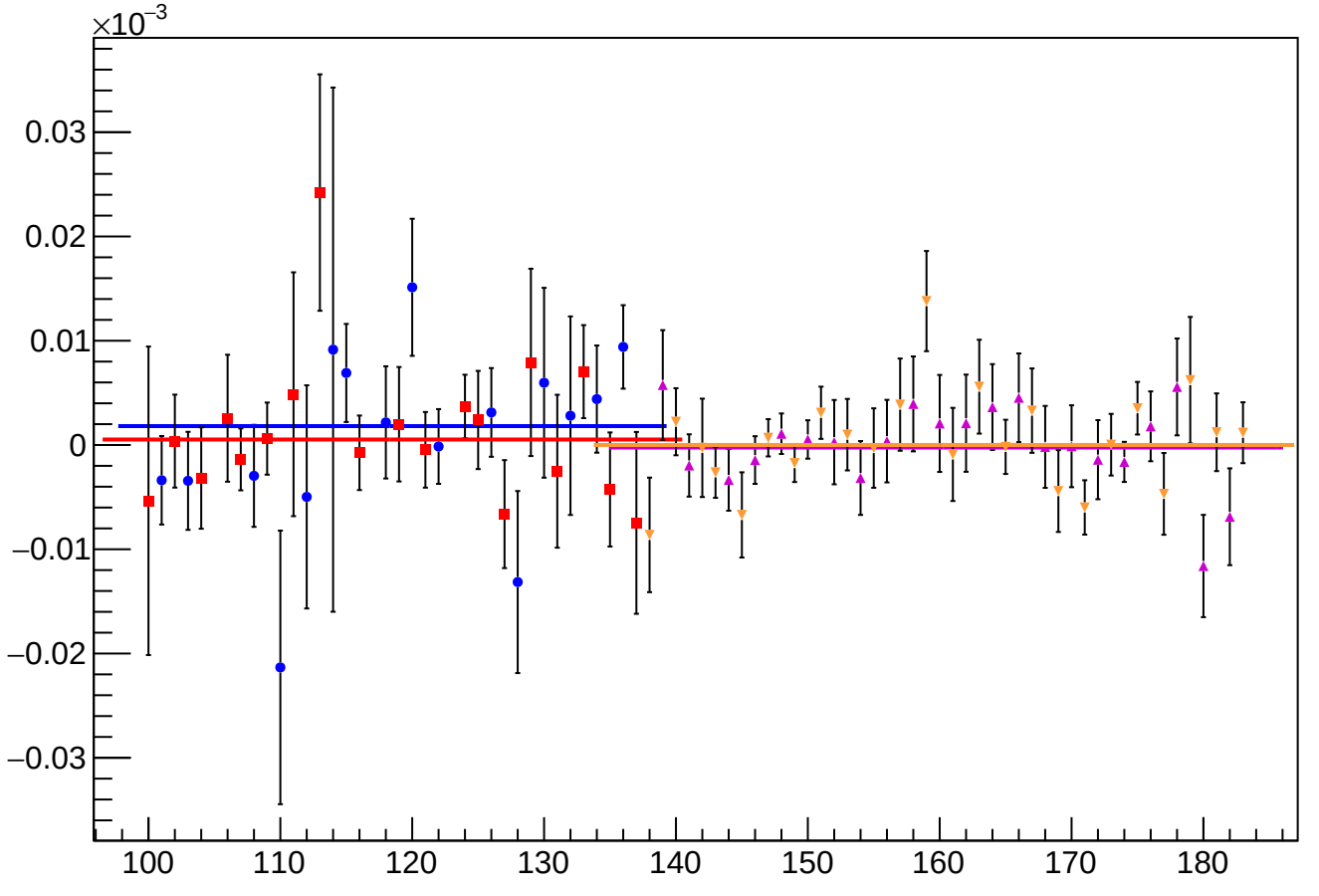
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.512+/-0.007 χ^2/NDF:1811675.4/21

+ sign 41.189+/-0.006 χ^2/NDF: 3454479.6/39

All: 41.250+/-0.004 χ^2/NDF: 6218618.3/80

- sign 41.314+/-0.006 χ^2/NDF: 2763923.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.0/23

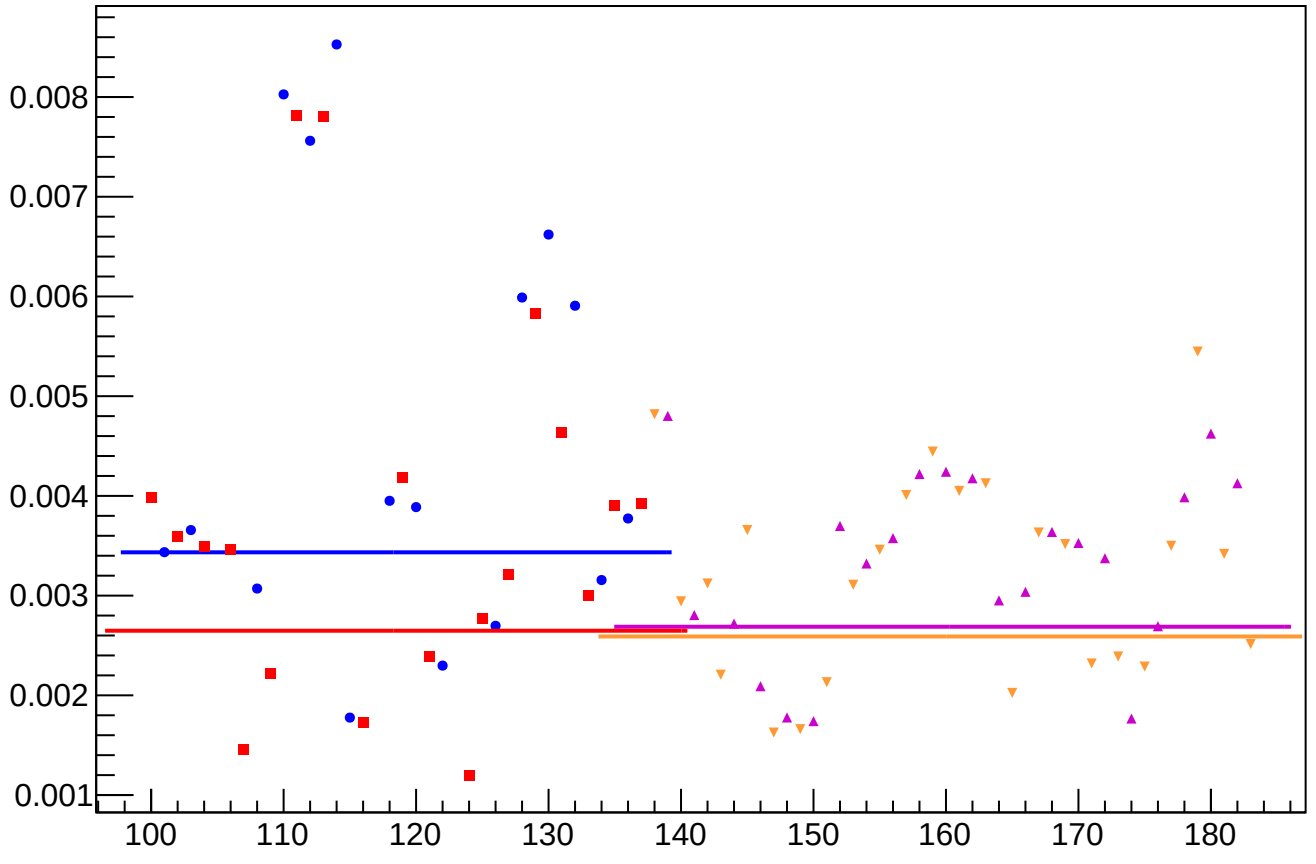
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/39

All: 0.000+/-0.000 χ^2/NDF: 85.5/80

- sign -0.000+/-0.000 χ^2/NDF: 31.9/40



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3884368.9/23

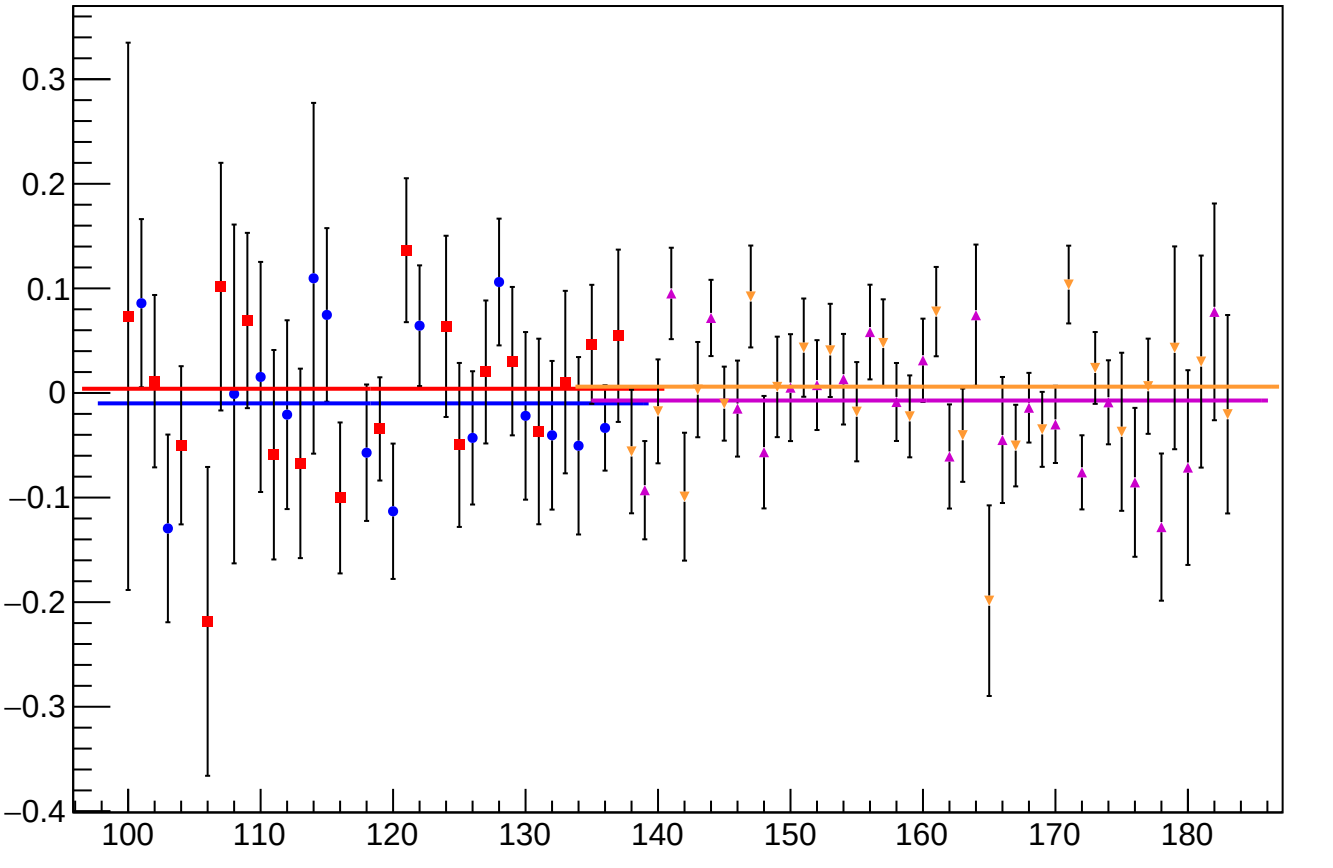
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3787850.3/21

+ sign 0.003+/-0.000 χ^2/NDF: 6257100.9/39

All: 0.003+/-0.000 χ^2/NDF: 12755107.5/80

- sign 0.003+/-0.000 χ^2/NDF: 6486659.7/40



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

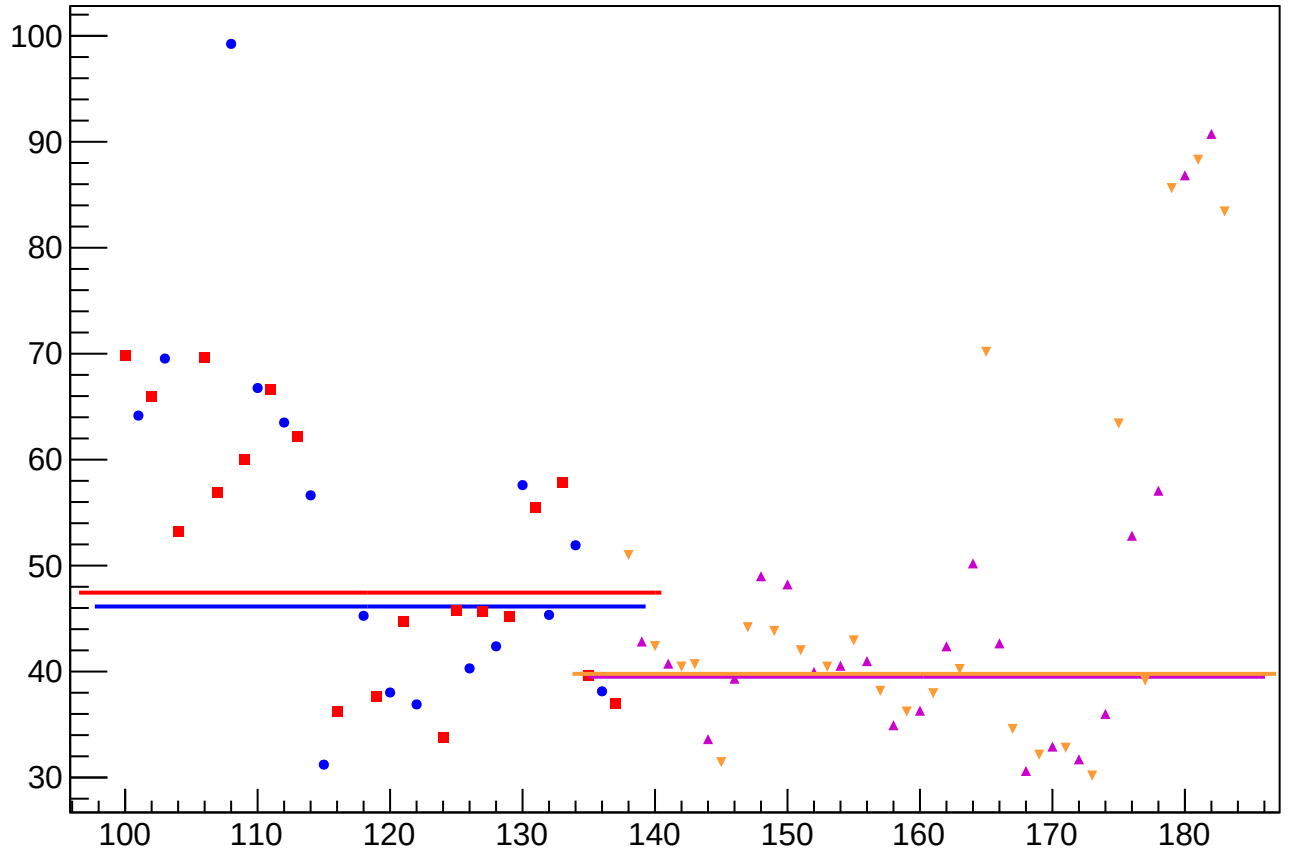
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.3/21

+ sign 0.003+/-0.008 χ^2/NDF: 45.6/39

All: -0.001+/-0.006 χ^2/NDF: 90.4/80

- sign -0.005+/-0.009 χ^2/NDF: 44.5/40



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.782+/-0.007 χ^2/NDF:2356647.5/23

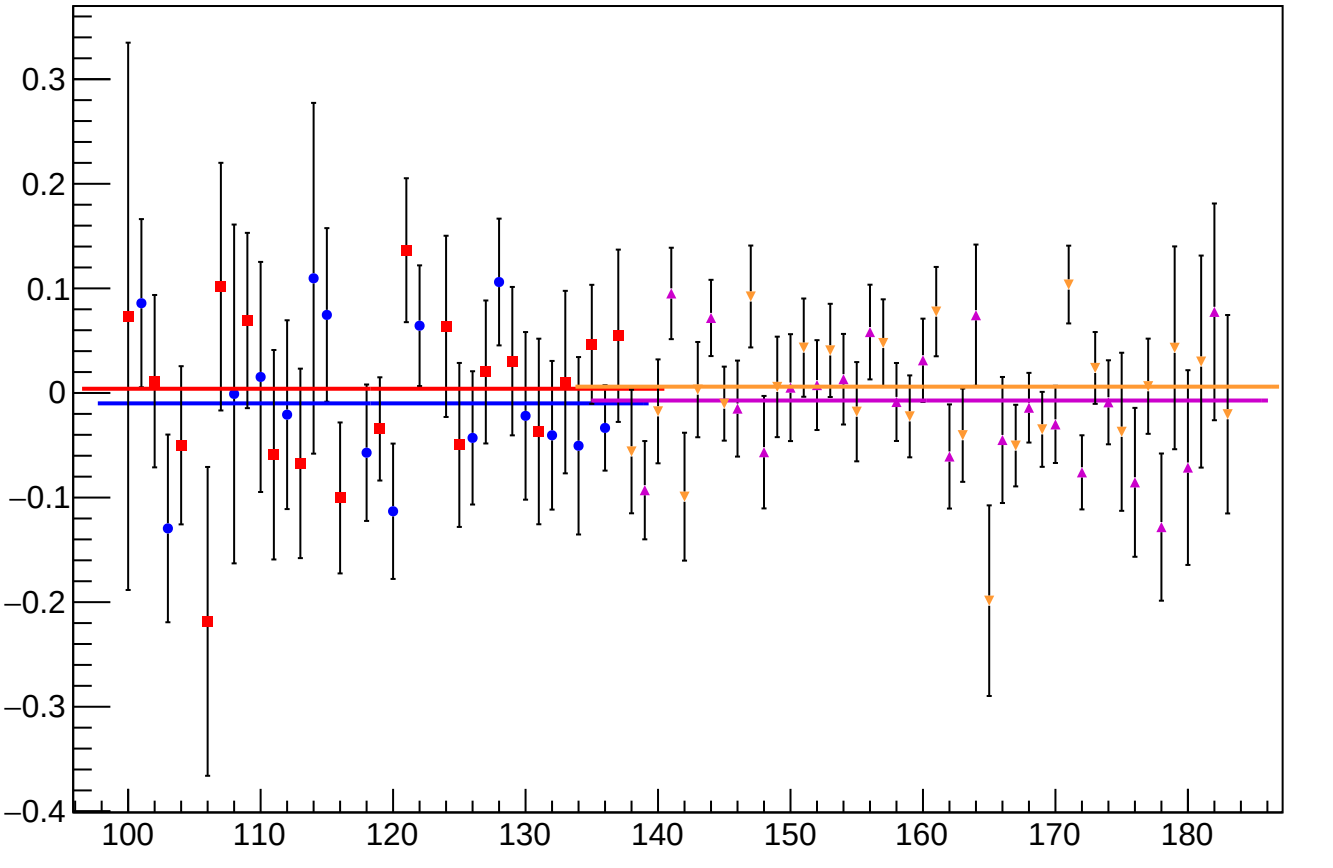
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.512+/-0.007 χ^2/NDF:1811703.3/21

+ sign 41.188+/-0.006 χ^2/NDF: 3454401.1/39

All: 41.250+/-0.004 χ^2/NDF: 6218497.1/80

- sign 41.314+/-0.006 χ^2/NDF: 2763881.5/40



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

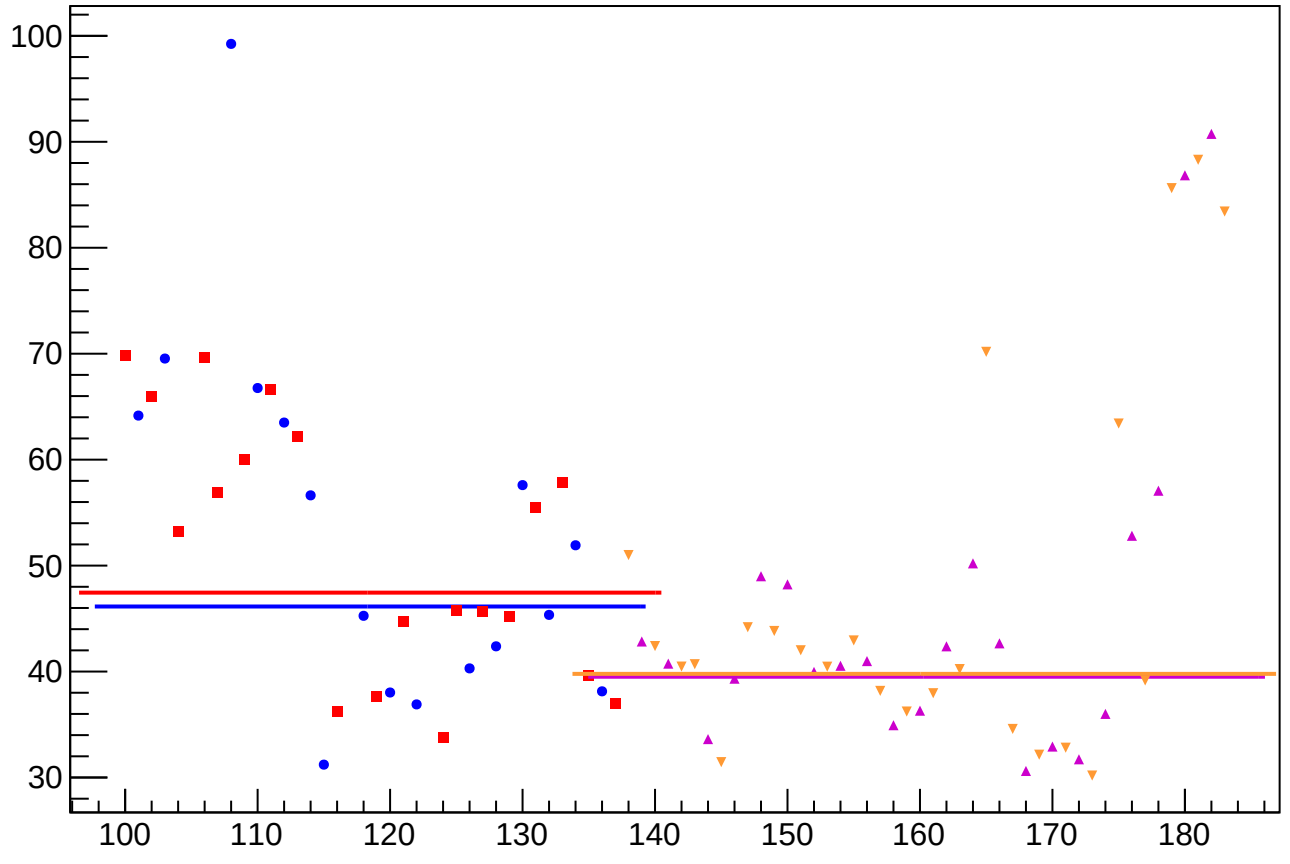
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.3/21

+ sign 0.003+/-0.008 χ^2/NDF: 45.6/39

All: -0.001+/-0.006 χ^2/NDF: 90.4/80

- sign -0.005+/-0.009 χ^2/NDF: 44.5/40



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.782+/-0.007 χ^2/NDF:2356647.5/23

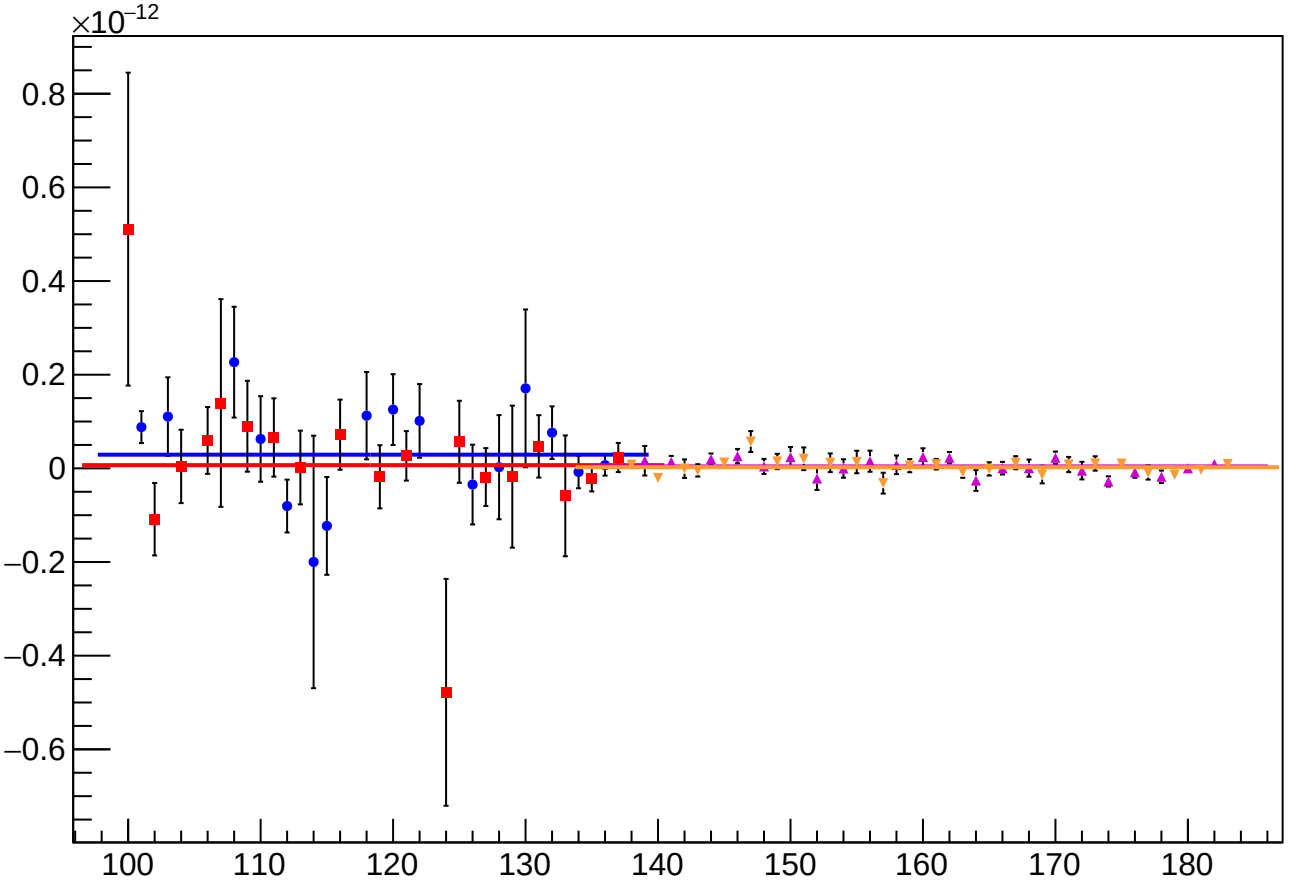
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.512+/-0.007 χ^2/NDF:1811703.3/21

+ sign 41.188+/-0.006 χ^2/NDF: 3454401.1/39

All: 41.250+/-0.004 χ^2/NDF: 6218497.1/80

- sign 41.314+/-0.006 χ^2/NDF: 2763881.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/23

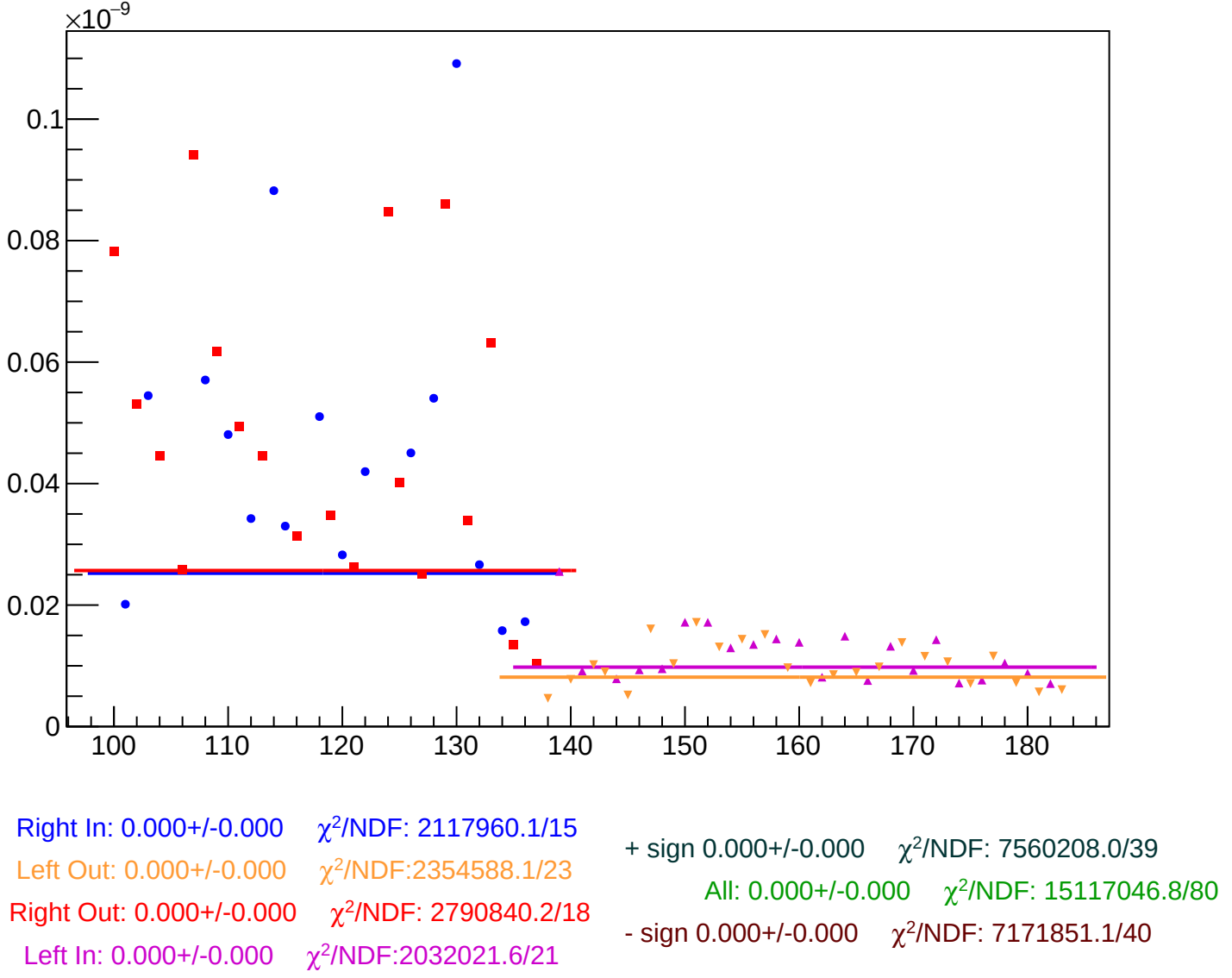
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.4/21

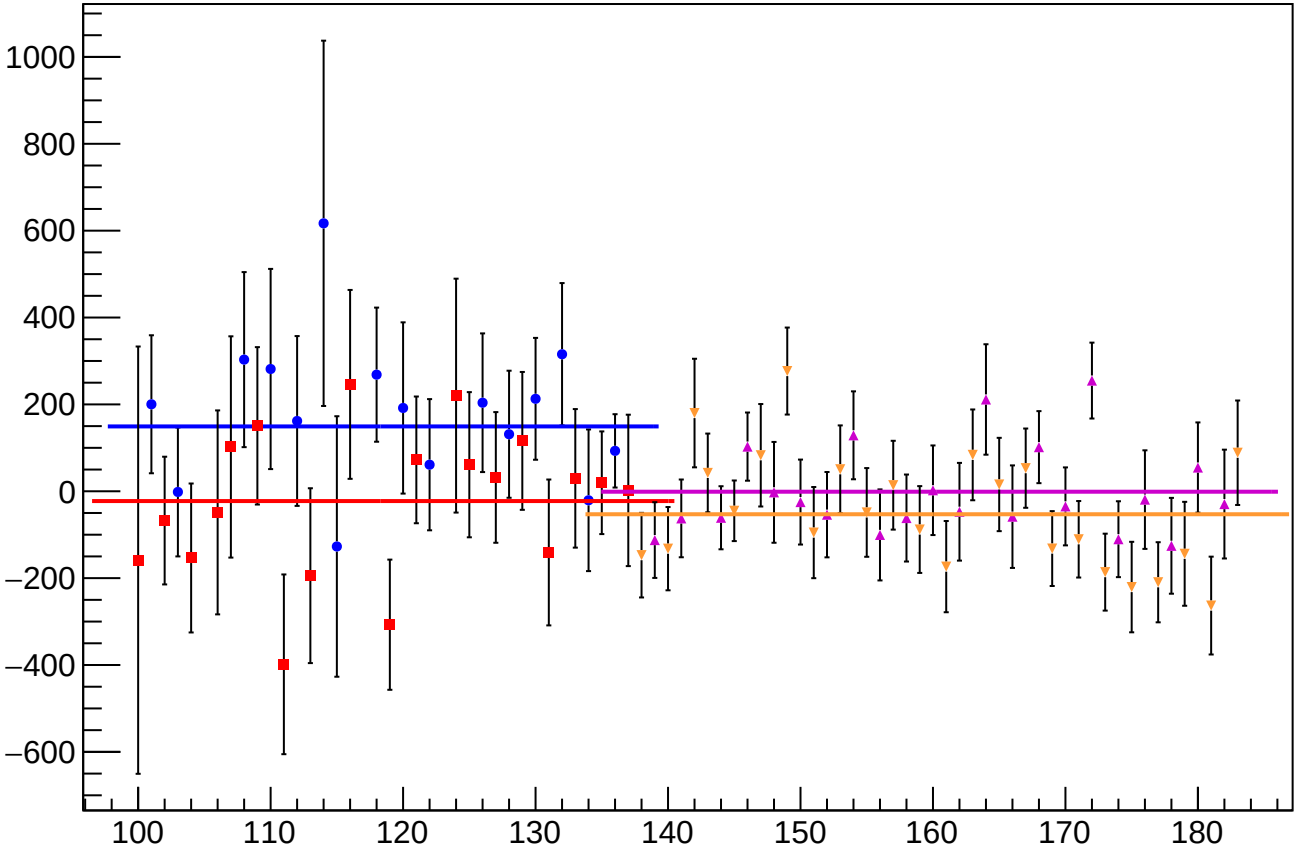
+ sign 0.000+/-0.000 χ^2/NDF: 48.3/39

All: 0.000+/-0.000 χ^2/NDF: 90.1/80

- sign 0.000+/-0.000 χ^2/NDF: 41.7/40


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2117960.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2354588.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 2790840.2/18
Left In: 0.000+/-0.000 χ²/NDF:2032021.6/21
+ sign 0.000+/-0.000 χ²/NDF: 7560208.0/39
All: 0.000+/-0.000 χ²/NDF: 15117046.8/80
- sign 0.000+/-0.000 χ²/NDF: 7171851.1/40

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -52.902+/-20.140 χ^2/NDF:39.4/23

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

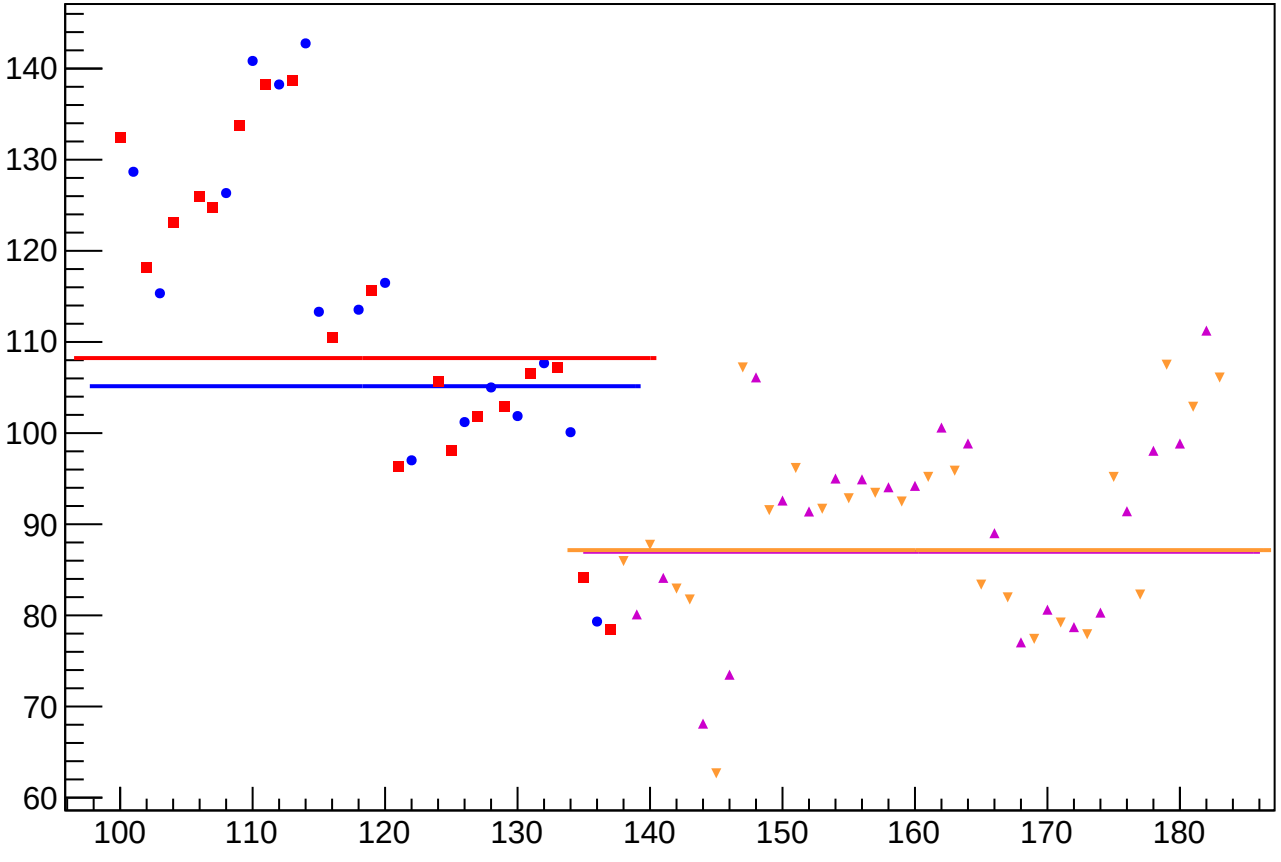
Left In: -1.028+/-20.700 χ^2/NDF:24.5/21

+ sign -11.492+/-17.960 χ^2/NDF: 68.0/39

All: -8.595+/-12.850 χ^2/NDF: 107.0/80

- sign -5.556+/-18.394 χ^2/NDF: 38.9/40

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 87.158+/-0.014 χ^2/NDF:618254.3/23

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

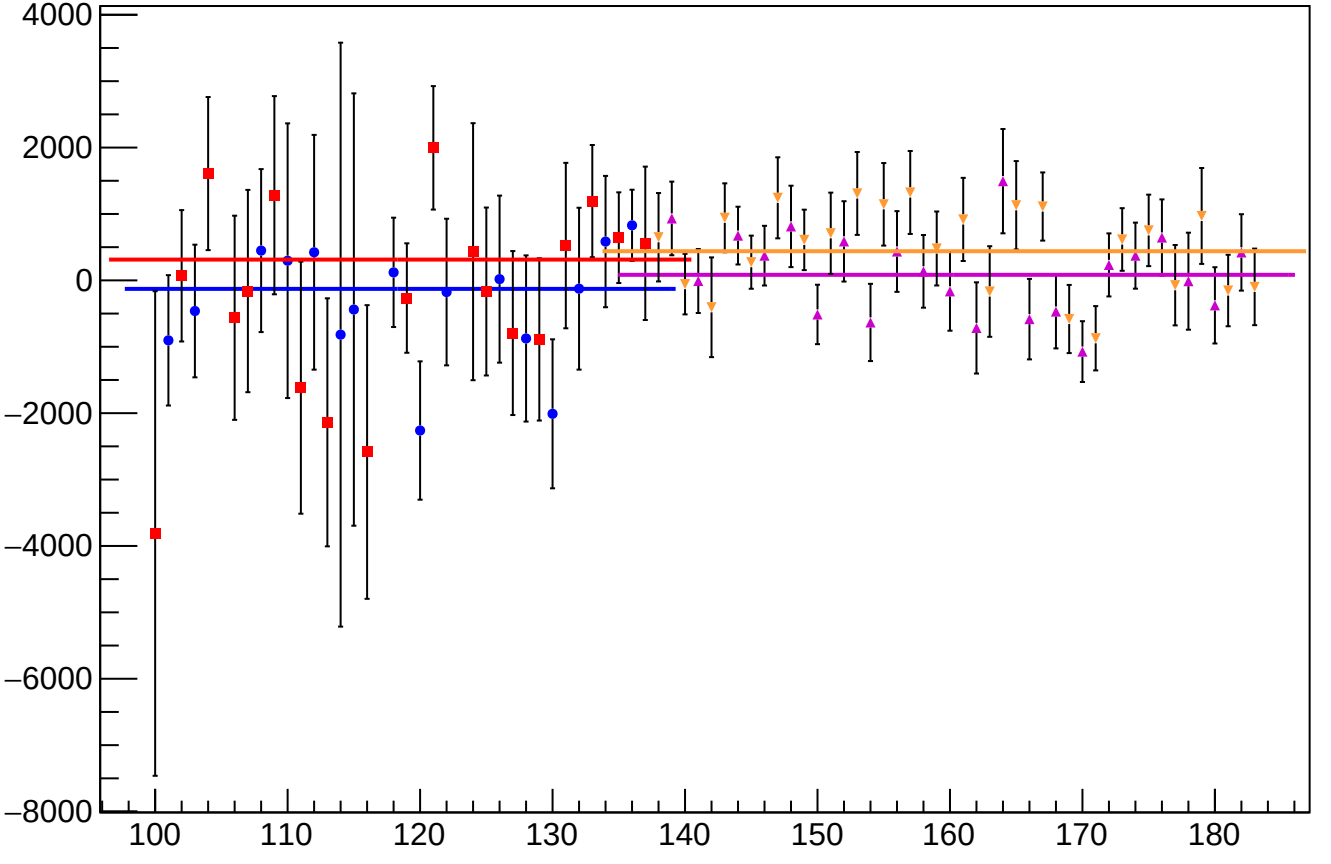
Left In: 86.981+/-0.015 χ^2/NDF:557694.9/21

+ sign 90.842+/-0.013 χ^2/NDF: 1353382.7/39

All: 91.140+/-0.009 χ^2/NDF: 2705666.2/80

- sign 91.453+/-0.013 χ^2/NDF: 1351155.2/40

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 439.162+/-113.387 χ^2/NDF:30.2/23

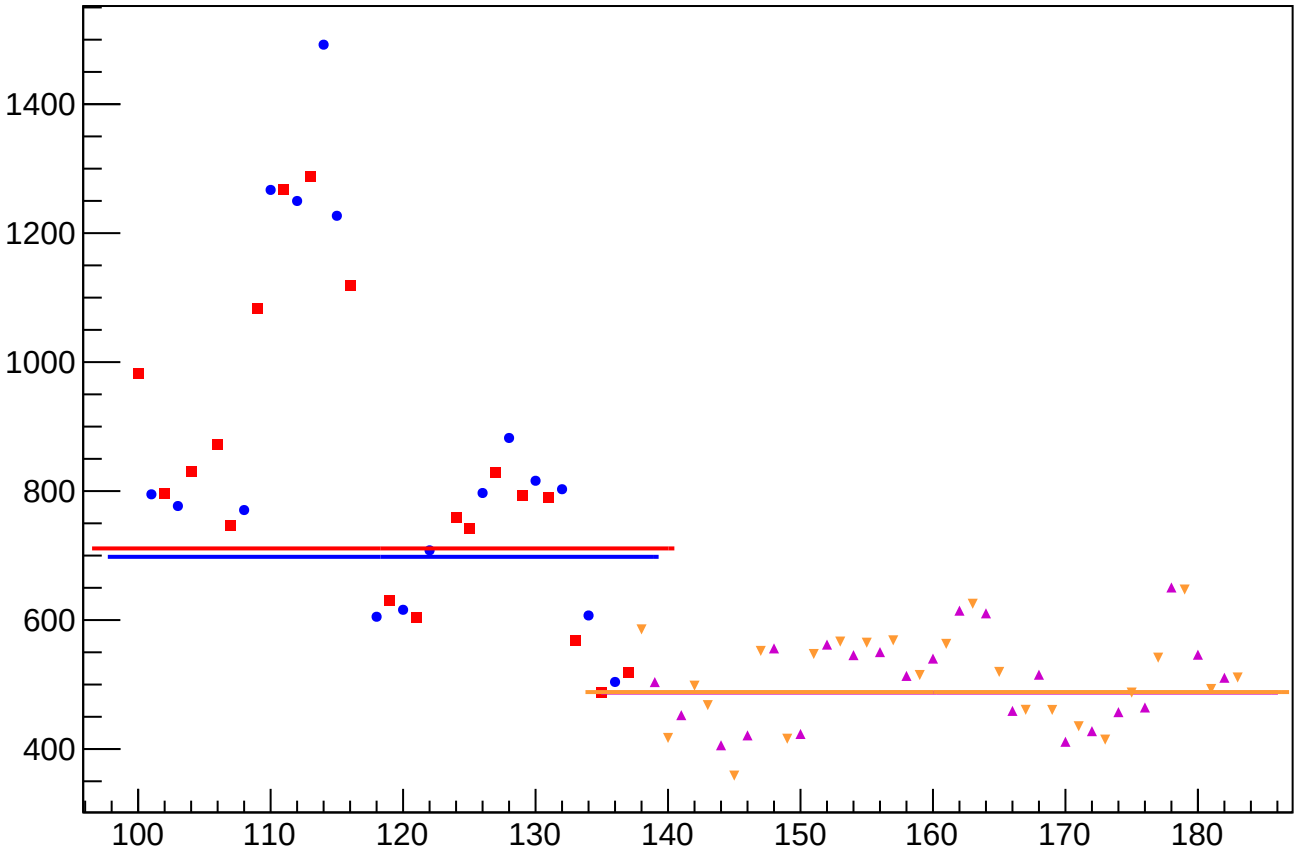
Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: 83.427+/-116.290 χ^2/NDF:26.1/21

+ sign 353.376+/-104.462 χ^2/NDF: 46.3/39

All: 238.955+/-74.683 χ^2/NDF: 90.5/80

- sign 119.325+/-106.813 χ^2/NDF: 41.7/40



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 488.324+/-0.080 χ^2/NDF:808226.1/23

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

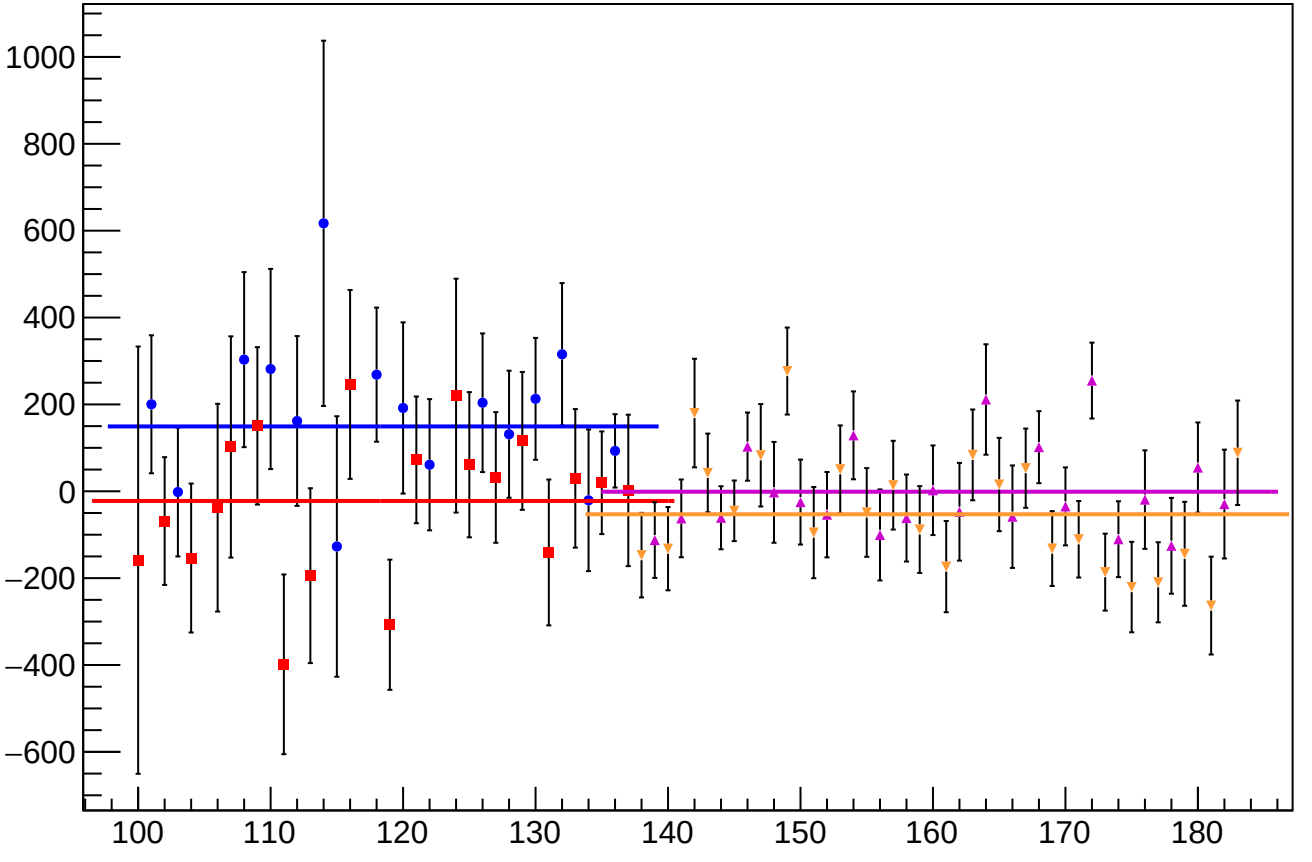
Left In: 487.519+/-0.082 χ^2/NDF:632597.2/21

+ sign 520.044+/-0.074 χ^2/NDF: 2755955.1/39

All: 521.232+/-0.053 χ^2/NDF: 5579950.2/80

- sign 522.474+/-0.076 χ^2/NDF: 2823465.8/40

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -52.907+/-20.140 χ^2/NDF:39.4/23

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

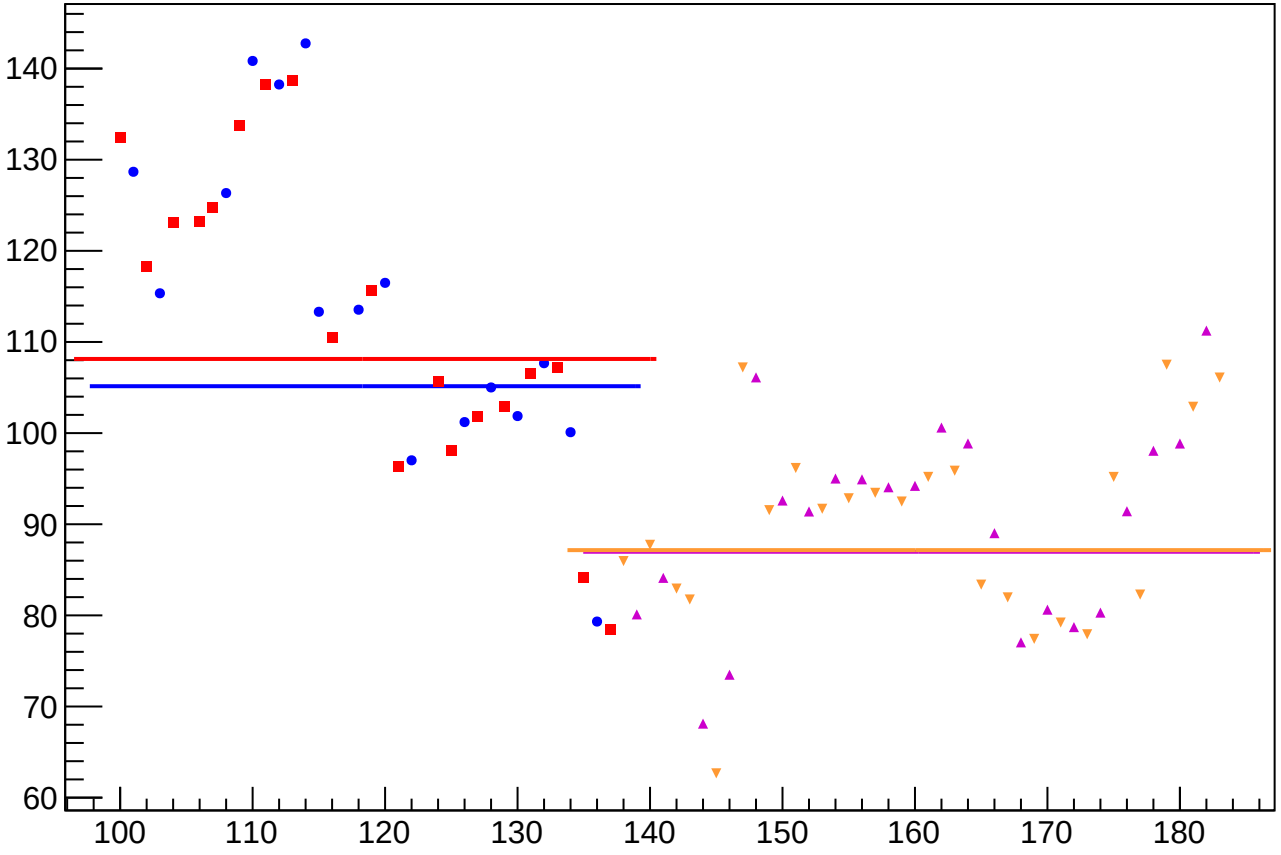
Left In: -1.025+/-20.700 χ^2/NDF:24.5/21

\+ sign -11.498+/-17.960 χ^2/NDF: 68.0/39

All: -8.570+/-12.851 χ^2/NDF: 107.0/80

\- sign -5.497+/-18.396 χ^2/NDF: 38.9/40

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.158+/-0.014 χ^2/NDF:618254.4/23

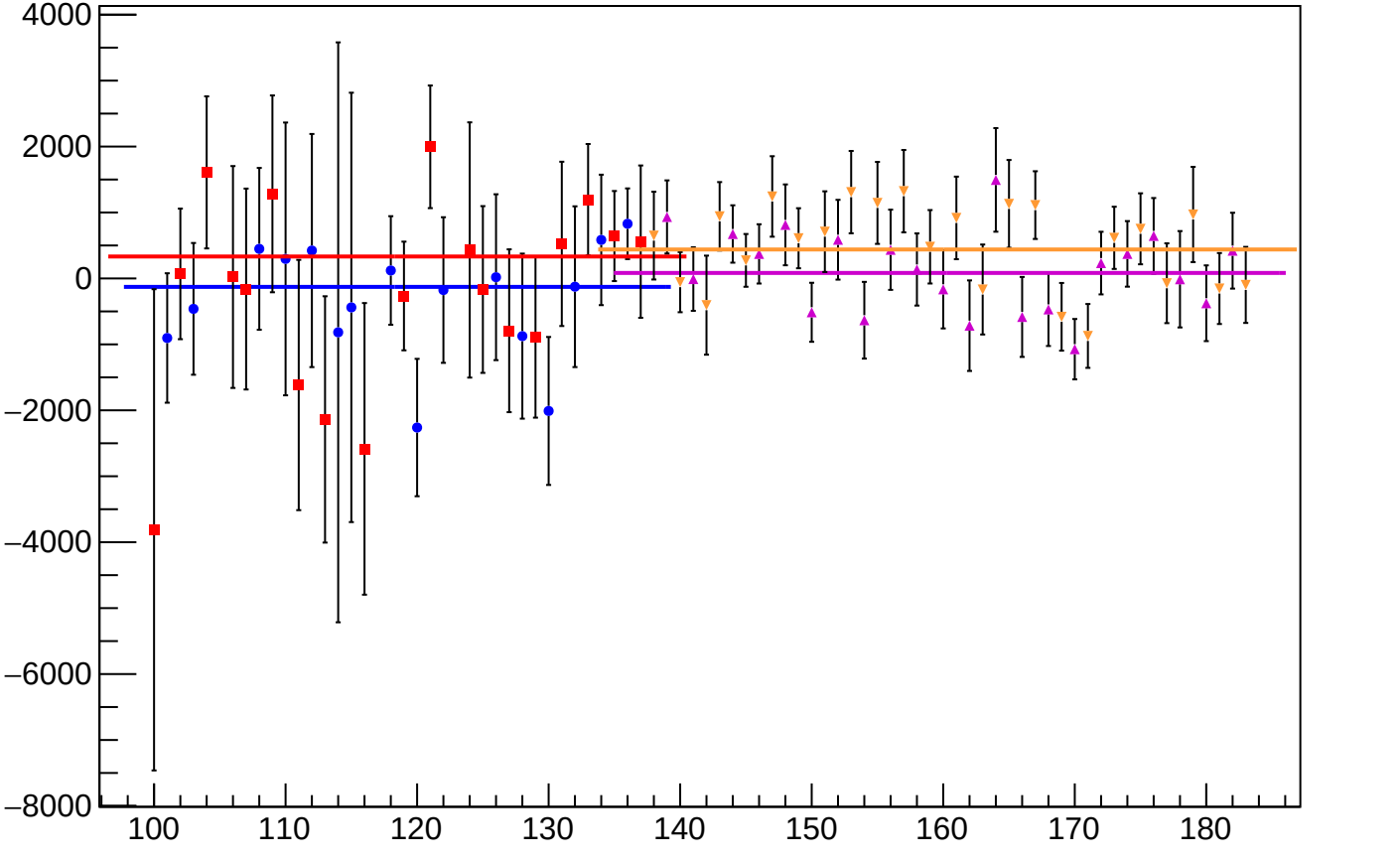
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.981+/-0.015 χ^2/NDF:557694.9/21

+ sign 90.842+/-0.013 χ^2/NDF: 1353383.1/39

All: 91.128+/-0.009 χ^2/NDF: 2697568.6/80

- sign 91.429+/-0.013 χ^2/NDF: 1343144.7/40



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 439.157+/-113.387 χ^2/NDF:30.2/23

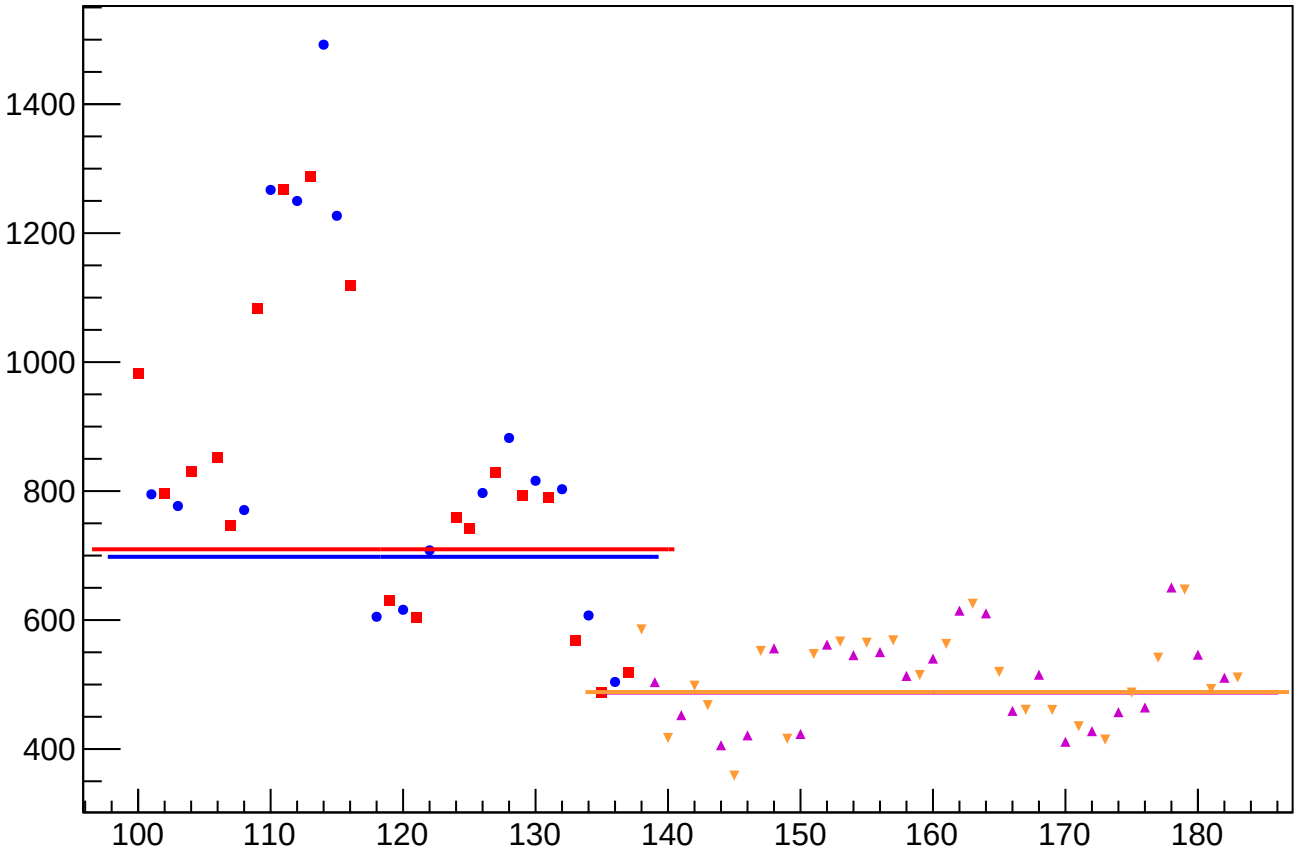
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 83.425+/-116.290 χ^2/NDF:26.1/21

+ sign 353.373+/-104.462 χ^2/NDF: 46.3/39

All: 240.417+/-74.698 χ^2/NDF: 90.3/80

- sign 122.223+/-106.856 χ^2/NDF: 41.5/40



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 488.325+/-0.080 χ^2/NDF:808222.9/23

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

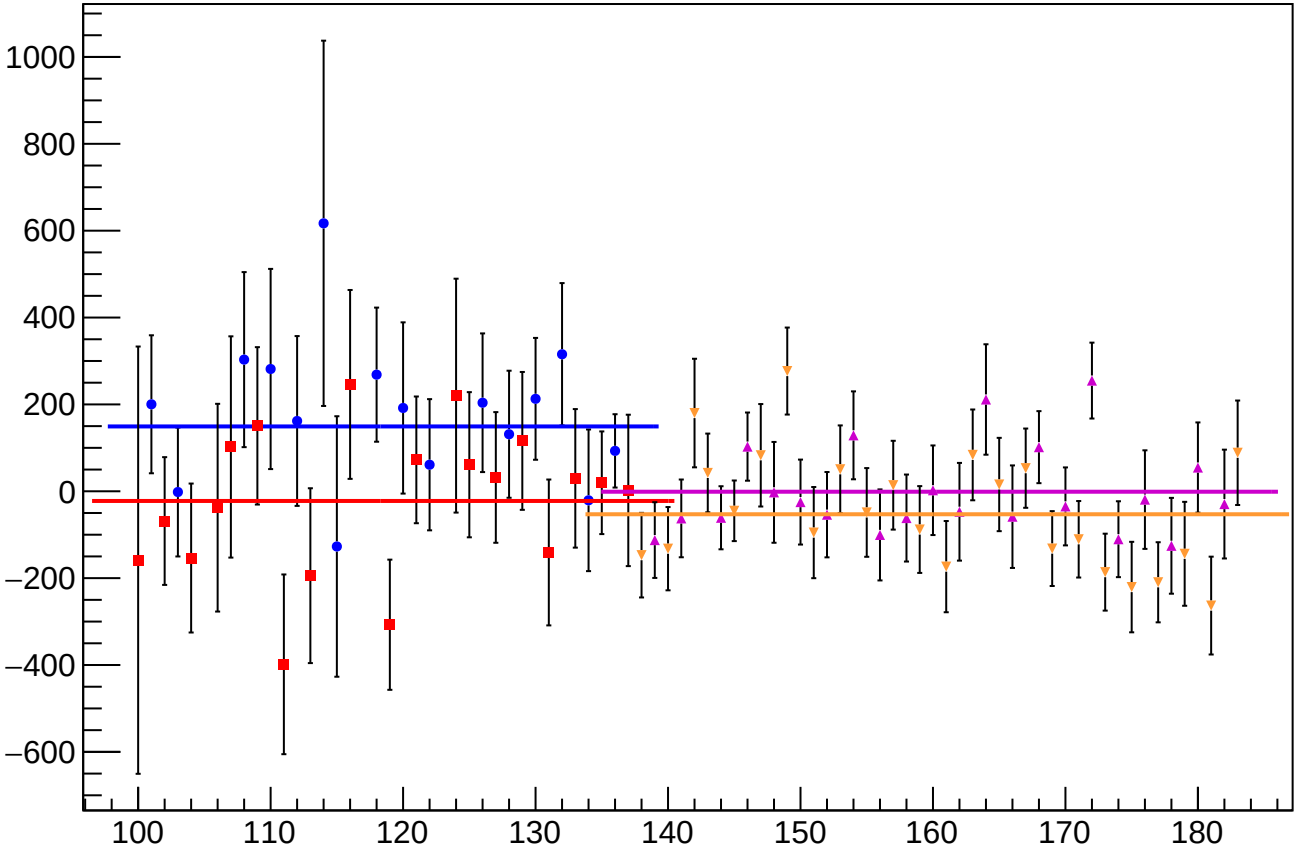
Left In: 487.519+/-0.082 χ^2/NDF:632600.9/21

+ sign 520.044+/-0.074 χ^2/NDF: 2755964.1/39

All: 521.055+/-0.053 χ^2/NDF: 5552997.8/80

- sign 522.113+/-0.076 χ^2/NDF: 2796650.4/40

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -52.907+/-20.140 χ^2/NDF:39.4/23

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

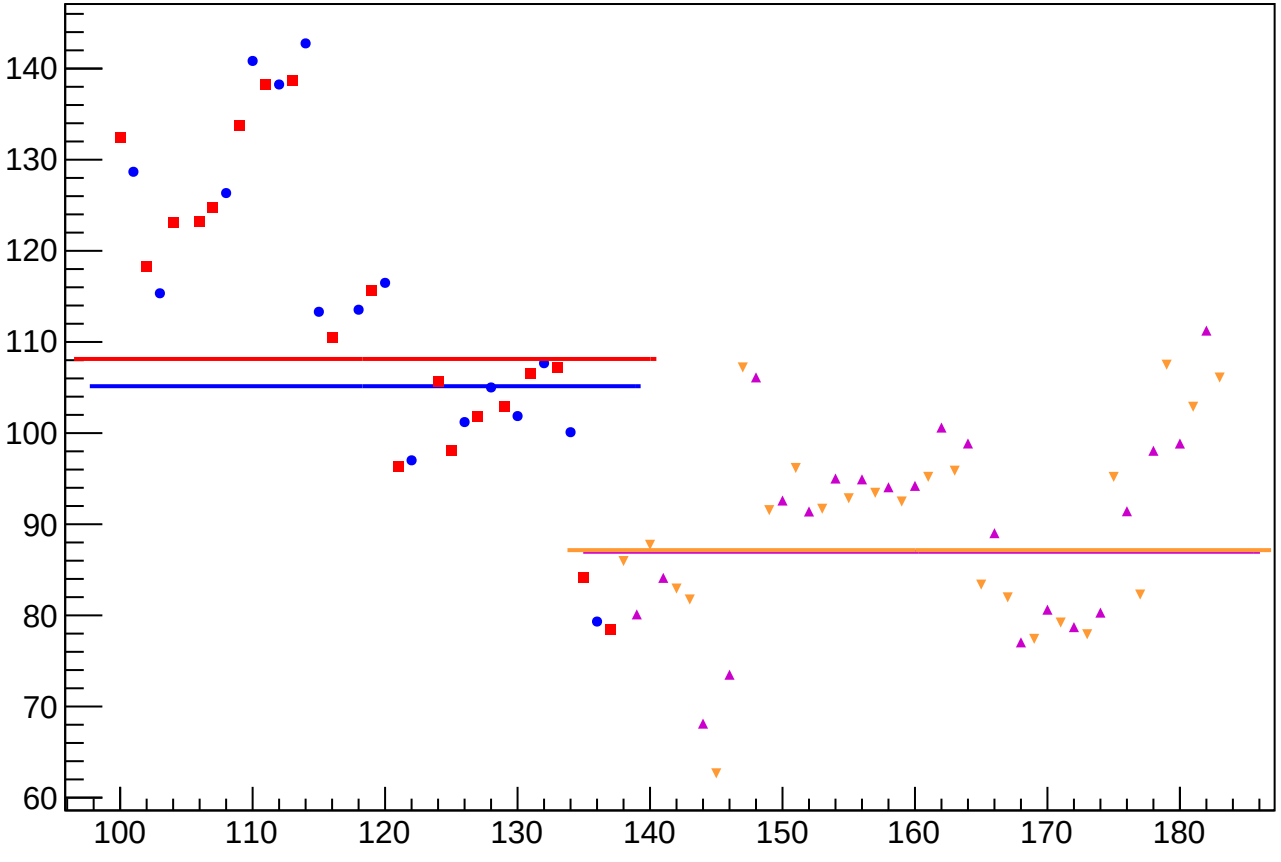
Left In: -1.025+/-20.700 χ^2/NDF:24.5/21

+ sign -11.498+/-17.960 χ^2/NDF: 68.0/39

All: -8.570+/-12.851 χ^2/NDF: 107.0/80

- sign -5.497+/-18.396 χ^2/NDF: 38.9/40

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.158+/-0.014 χ^2/NDF:618254.4/23

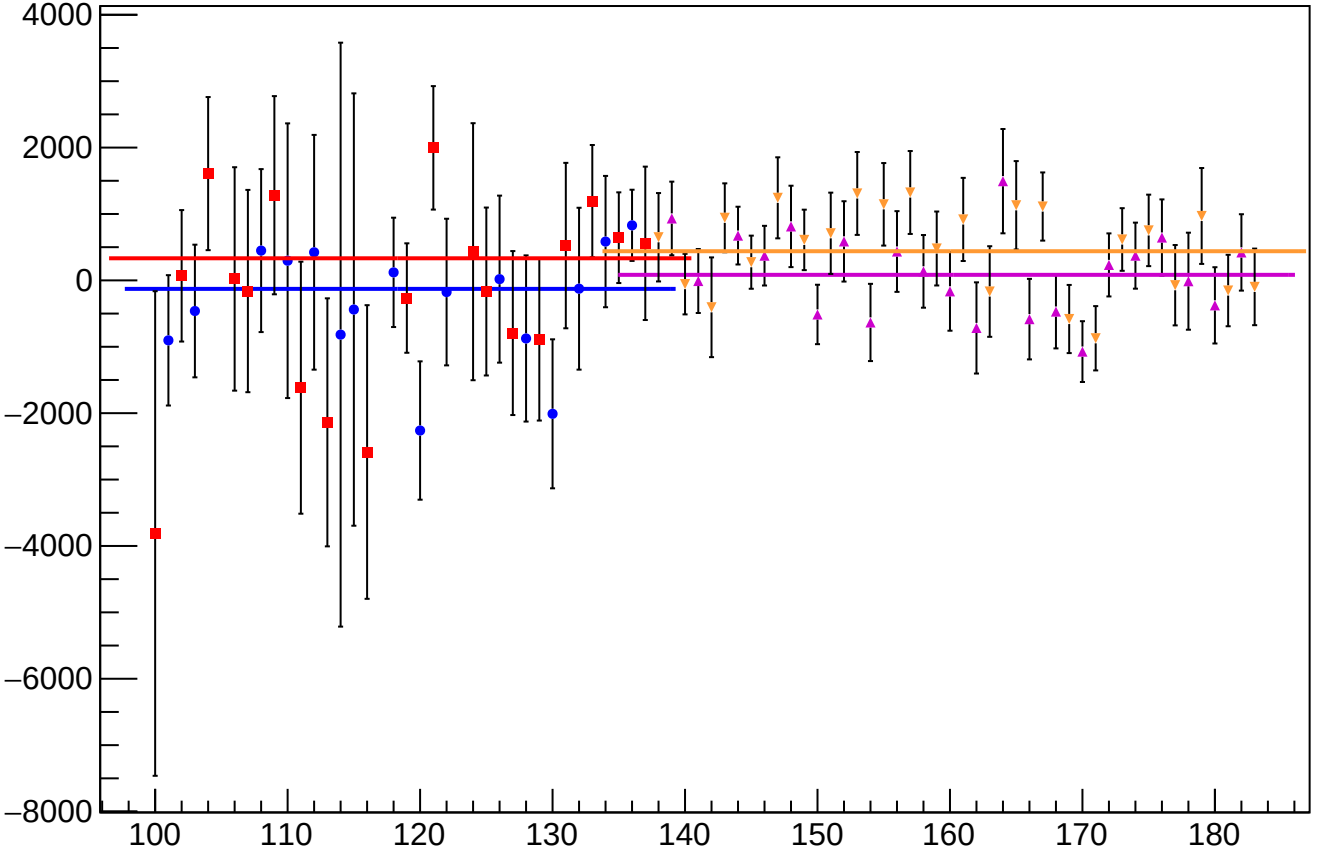
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.981+/-0.015 χ^2/NDF:557694.9/21

+ sign 90.842+/-0.013 χ^2/NDF: 1353383.1/39

All: 91.128+/-0.009 χ^2/NDF: 2697568.6/80

- sign 91.429+/-0.013 χ^2/NDF: 1343144.7/40



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 439.157+/-113.387 χ^2/NDF:30.2/23

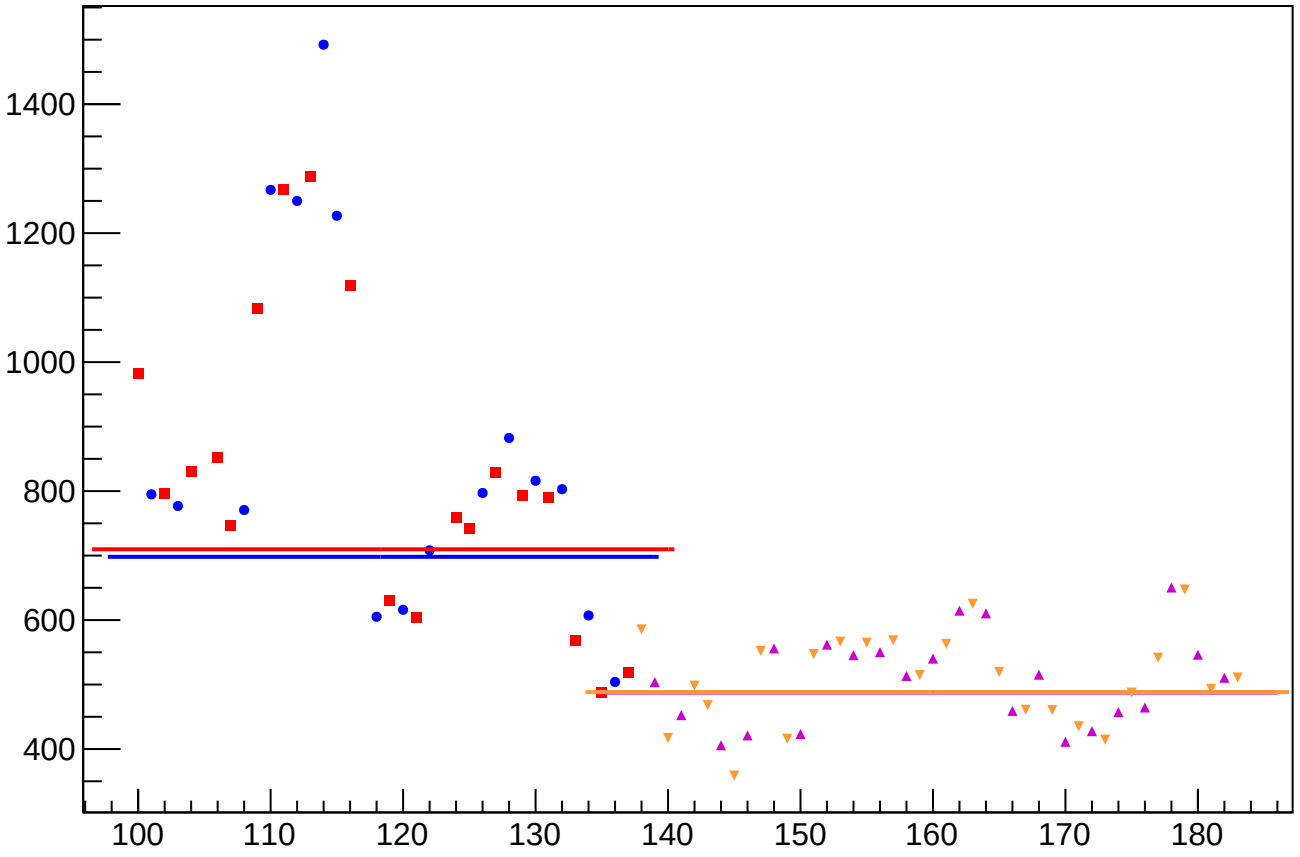
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 83.425+/-116.290 χ^2/NDF:26.1/21

+ sign 353.373+/-104.462 χ^2/NDF: 46.3/39

All: 240.417+/-74.698 χ^2/NDF: 90.3/80

- sign 122.223+/-106.856 χ^2/NDF: 41.5/40



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 488.325+/-0.080 χ^2/NDF:808222.9/23

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

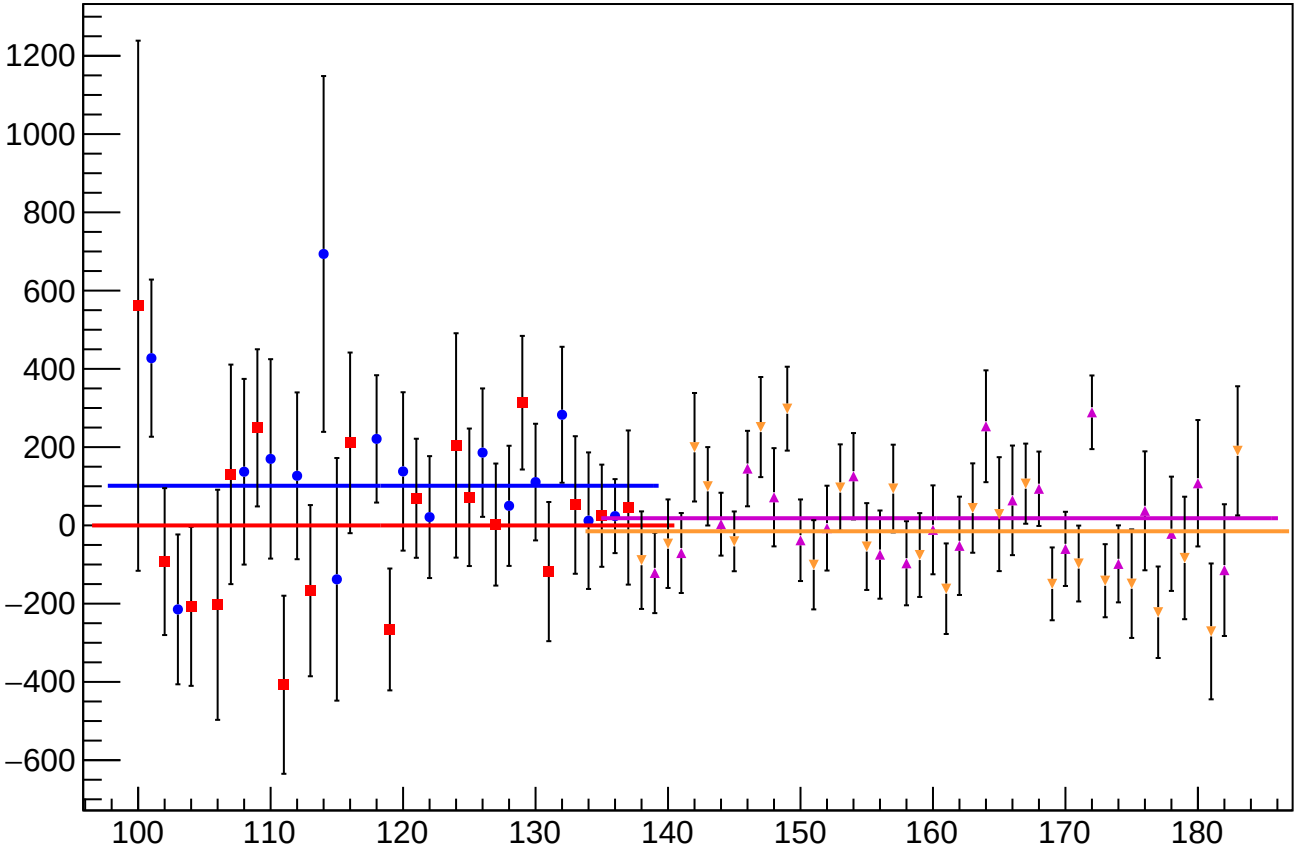
Left In: 487.519+/-0.082 χ^2/NDF:632600.9/21

+ sign 520.044+/-0.074 χ^2/NDF: 2755964.1/39

All: 521.055+/-0.053 χ^2/NDF: 5552997.8/80

- sign 522.113+/-0.076 χ^2/NDF: 2796650.4/40

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -15.034+/-23.021 χ^2/NDF:36.1/23

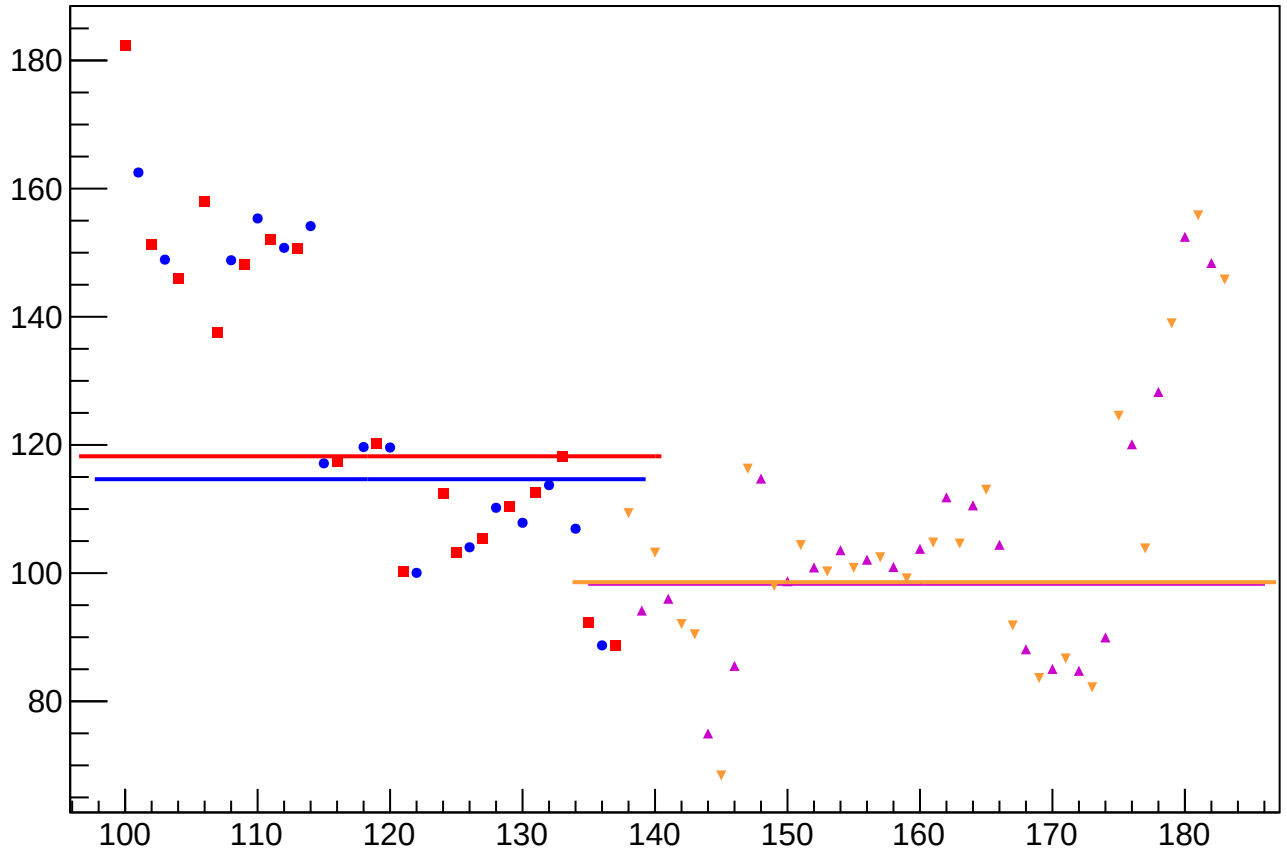
Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 18.329+/-23.677 χ^2/NDF:22.9/21

+ sign 10.407+/-20.349 χ^2/NDF: 52.7/39

All: 12.252+/-14.564 χ^2/NDF: 92.3/80

- sign 14.190+/-20.854 χ^2/NDF: 39.6/40



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 98.583+/-0.016 χ^2/NDF:1166536.3/23

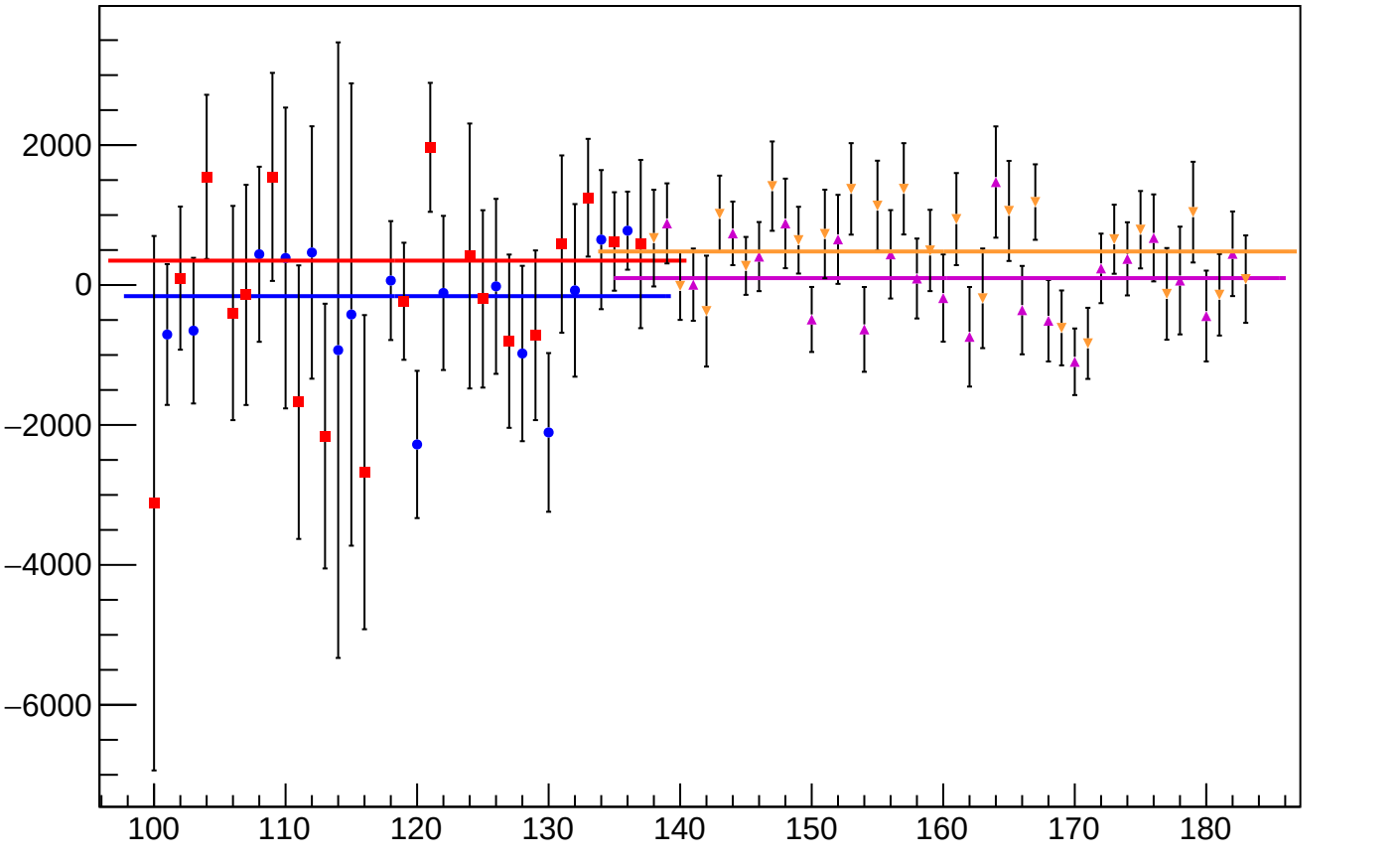
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 98.338+/-0.017 χ^2/NDF:943190.4/21

+ sign 102.098+/-0.014 χ^2/NDF: 1911710.7/39

All: 102.440+/-0.010 χ^2/NDF: 3656065.1/80

- sign 102.800+/-0.015 χ^2/NDF: 1743195.3/40



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 479.351+/-118.942 χ^2/NDF:28.7/23

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

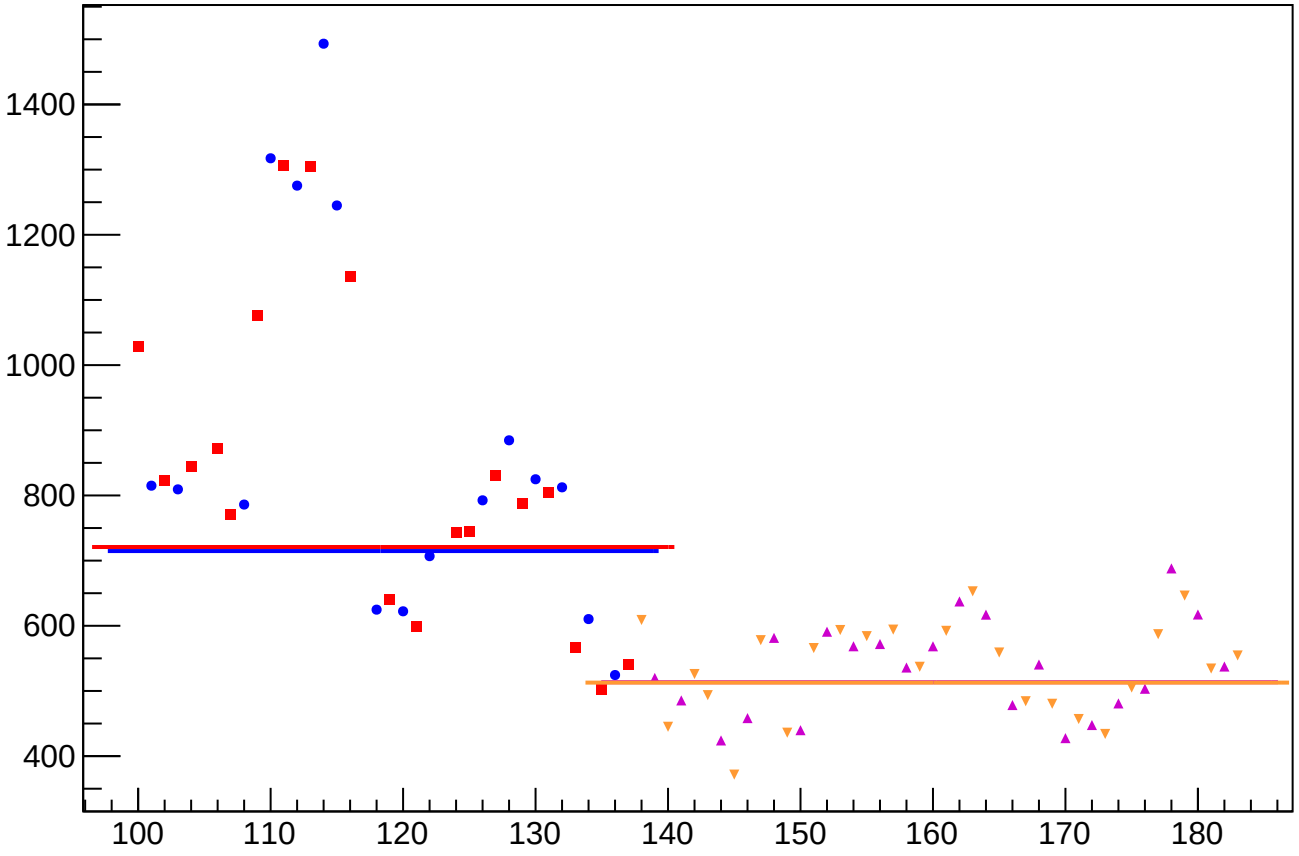
Left In: 98.745+/-122.470 χ^2/NDF:24.6/21

+ sign 378.463+/-109.140 χ^2/NDF: 45.2/39

All: 262.298+/-78.091 χ^2/NDF: 87.2/80

- sign 140.441+/-111.782 χ^2/NDF: 39.6/40

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 512.811+/-0.084 χ^2/NDF:799221.4/23

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

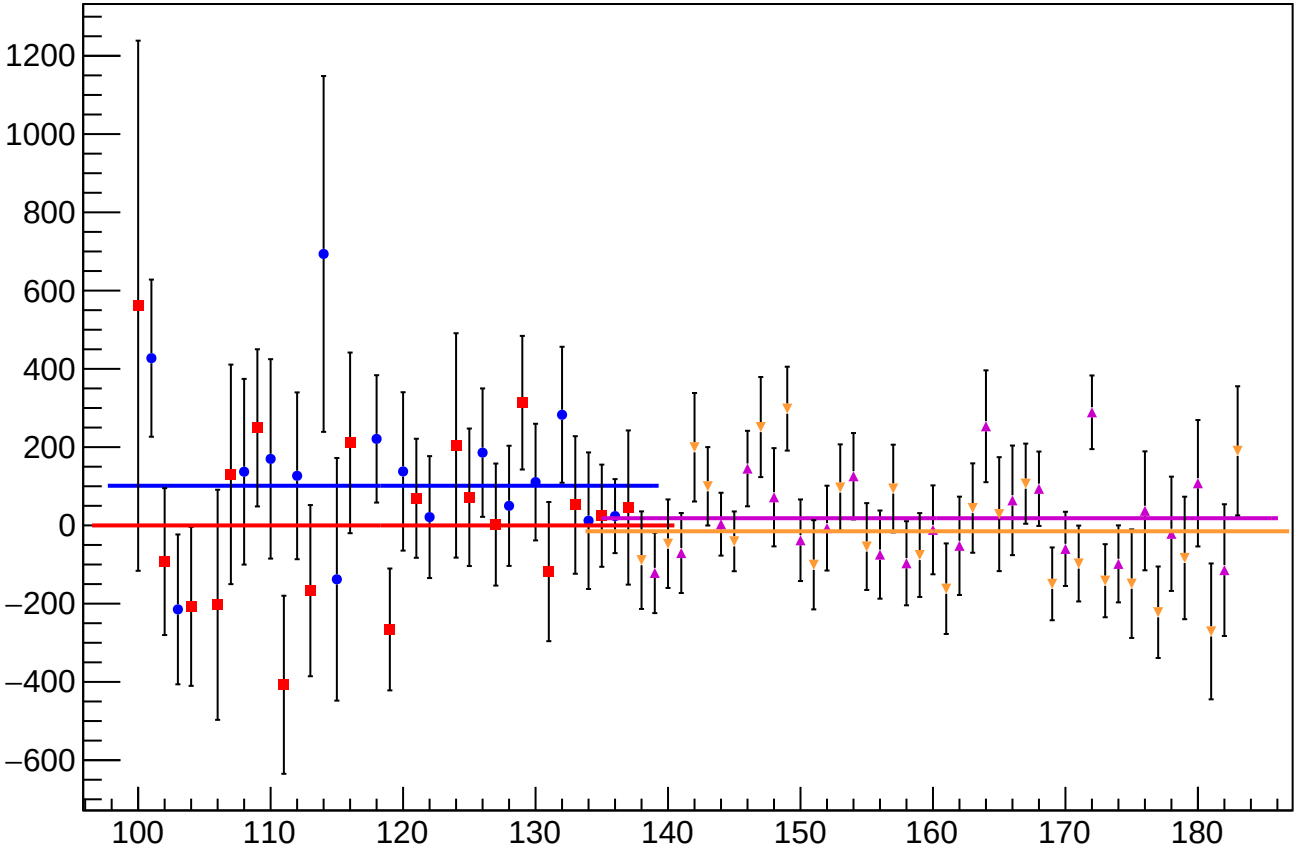
Left In: 513.418+/-0.087 χ^2/NDF:633985.0/21

\+ sign 544.707+/-0.077 χ^2/NDF: 2585662.3/39

All: 546.339+/-0.055 χ^2/NDF: 5197054.8/80

\- sign 548.050+/-0.079 χ^2/NDF: 2610476.8/40

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -15.036+/-23.021 χ^2/NDF:36.1/23

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

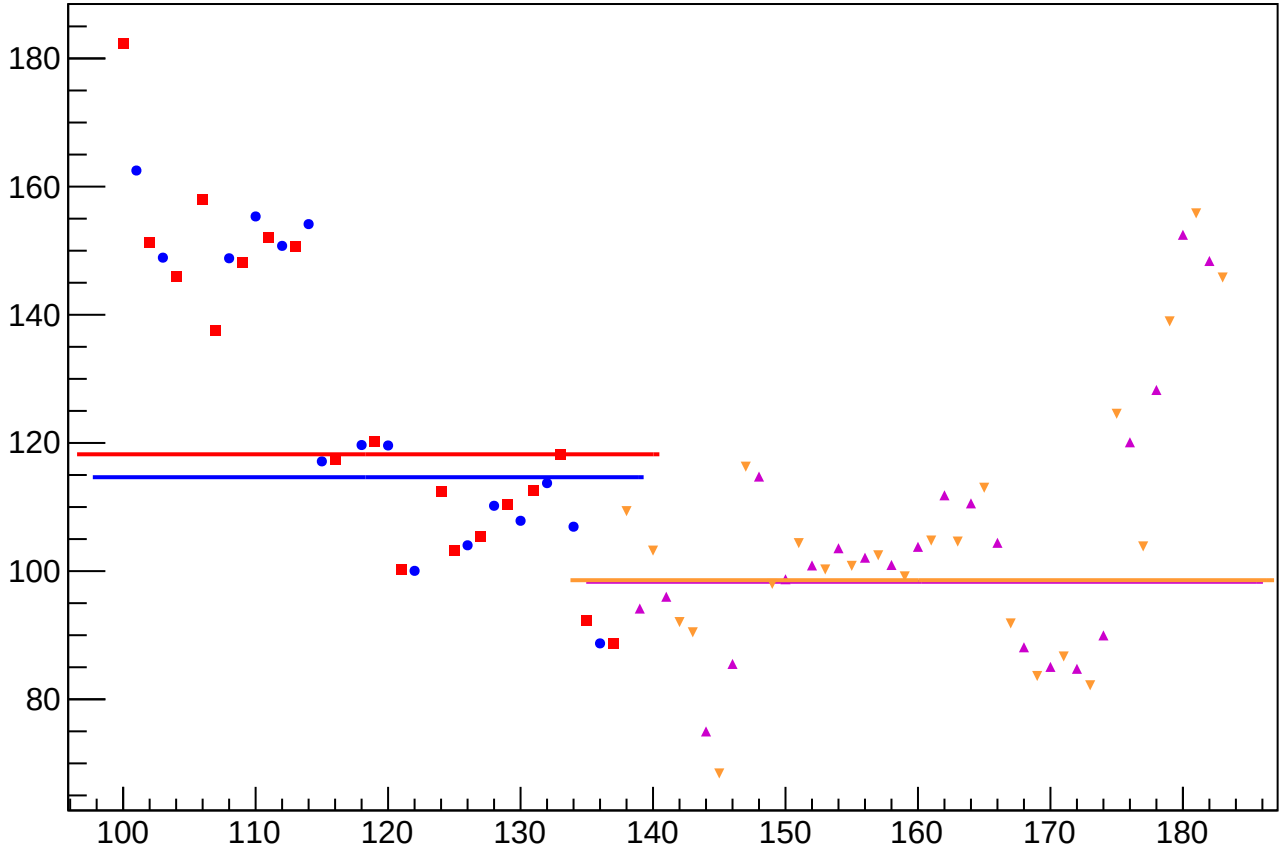
Left In: 18.329+/-23.677 χ^2/NDF:22.9/21

+ sign 10.405+/-20.349 χ^2/NDF: 52.7/39

All: 12.251+/-14.564 χ^2/NDF: 92.3/80

- sign 14.190+/-20.854 χ^2/NDF: 39.6/40

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 98.583+/-0.016 χ^2/NDF:1166541.4/23

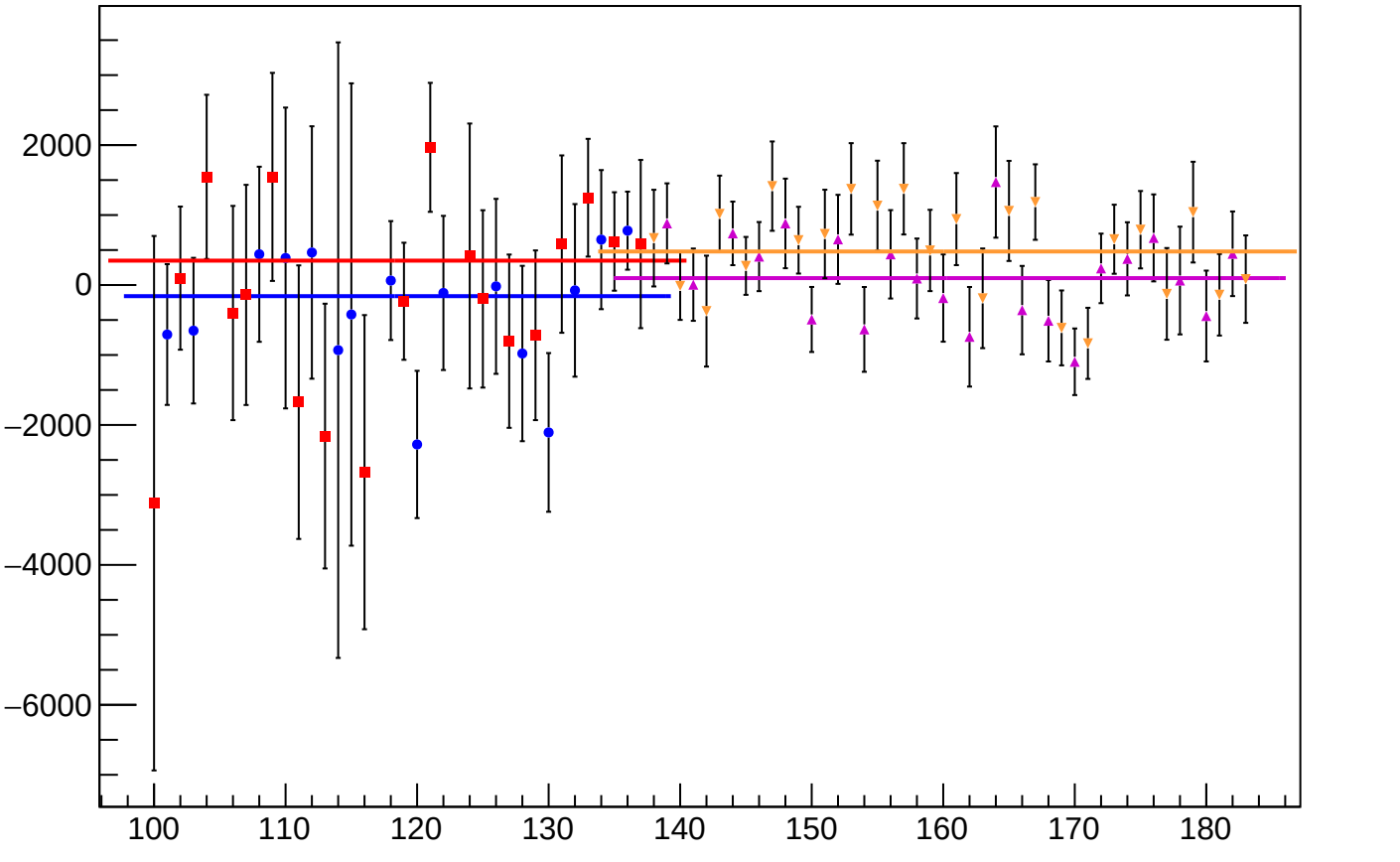
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 98.338+/-0.017 χ^2/NDF:943181.0/21

+ sign 102.098+/-0.014 χ^2/NDF: 1911707.8/39

All: 102.440+/-0.010 χ^2/NDF: 3656046.6/80

- sign 102.800+/-0.015 χ^2/NDF: 1743179.7/40



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 479.350+/-118.942 χ^2/NDF:28.7/23

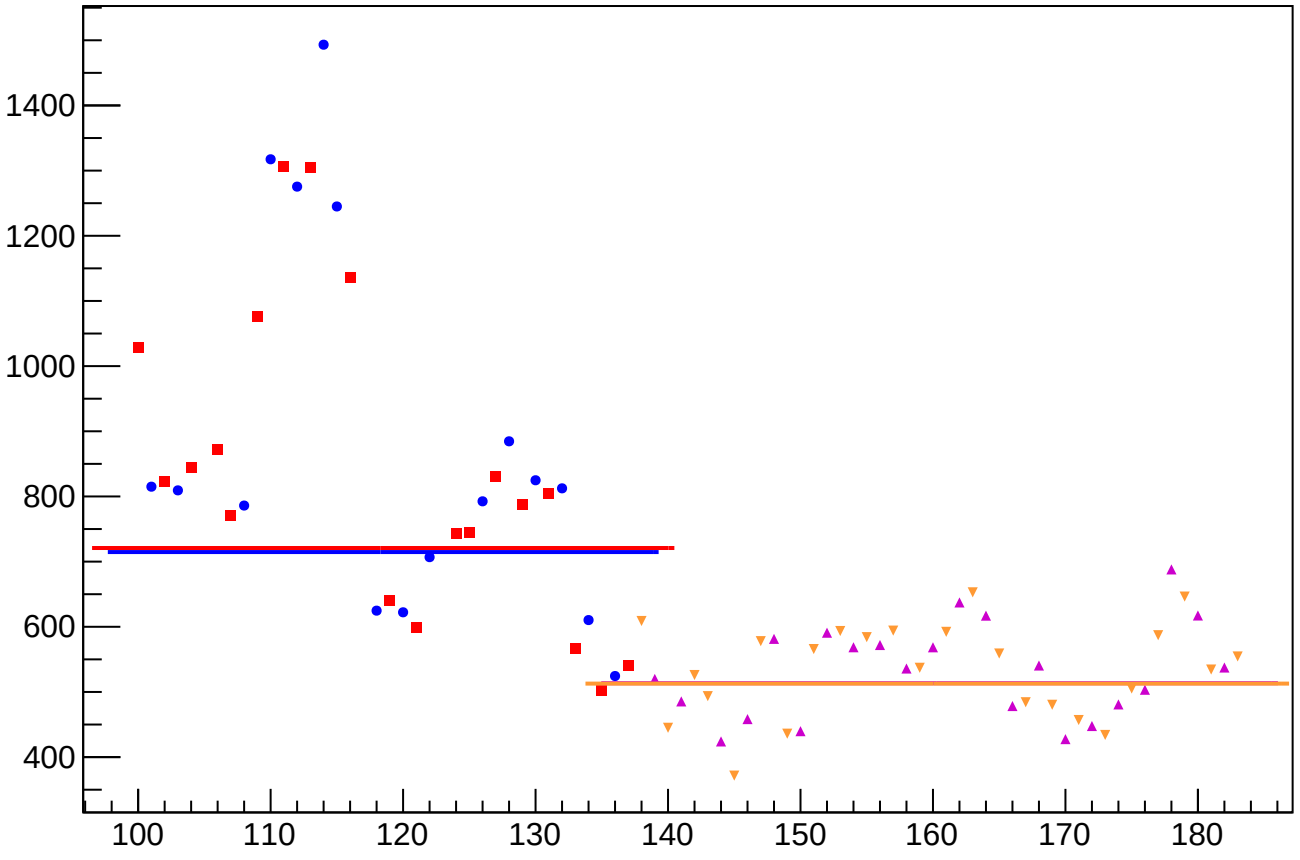
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 98.745+/-122.470 χ^2/NDF:24.6/21

\+ sign 378.462+/-109.140 χ^2/NDF: 45.2/39

All: 262.297+/-78.091 χ^2/NDF: 87.2/80

\- sign 140.440+/-111.782 χ^2/NDF: 39.6/40



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 512.810+/-0.084 χ^2/NDF:799220.9/23

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

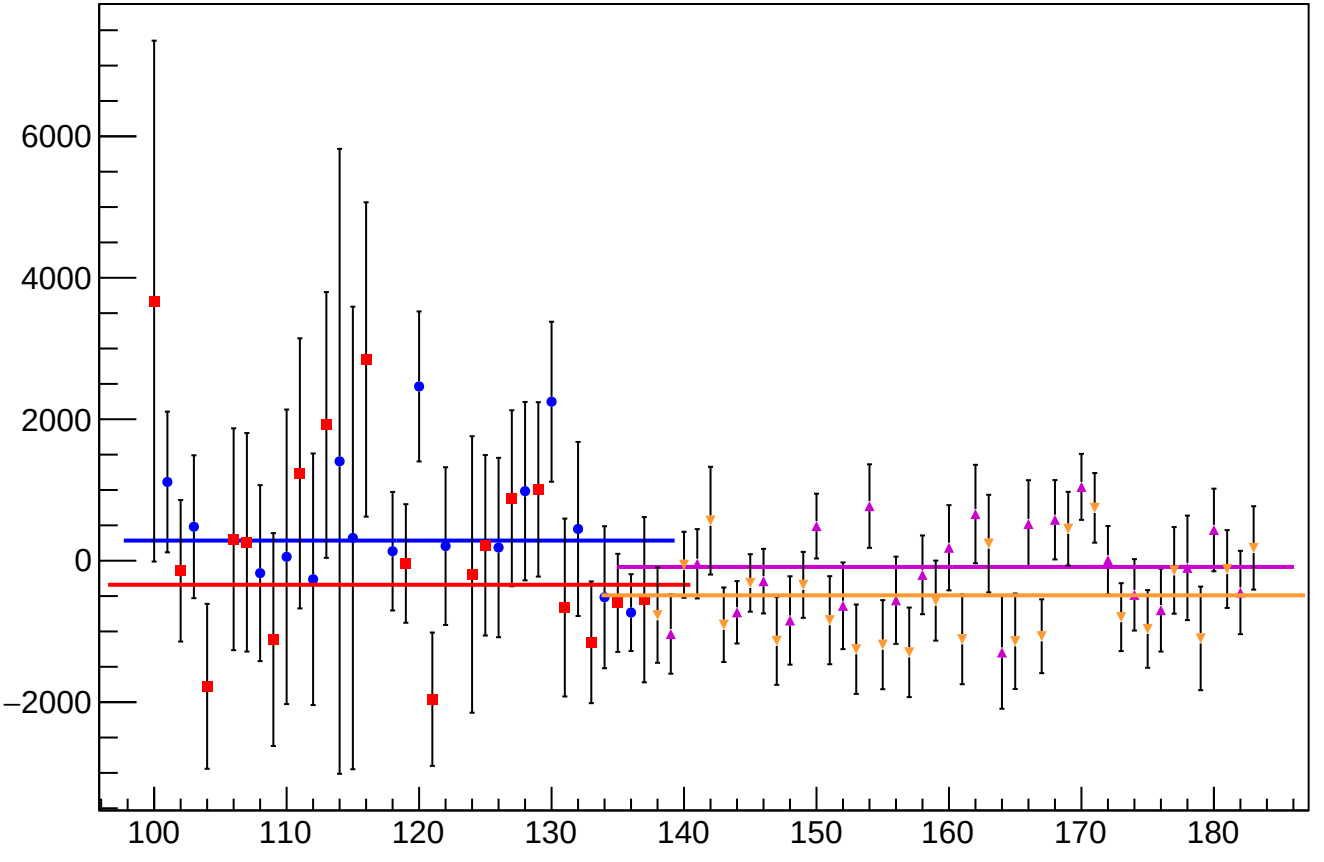
Left In: 513.418+/-0.087 χ^2/NDF:633982.6/21

+ sign 544.707+/-0.077 χ^2/NDF: 2585658.8/39

All: 546.338+/-0.055 χ^2/NDF: 5197042.6/80

- sign 548.050+/-0.079 χ^2/NDF: 2610468.0/40

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -489.167+/-115.298 χ^2/NDF:27.3/23

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

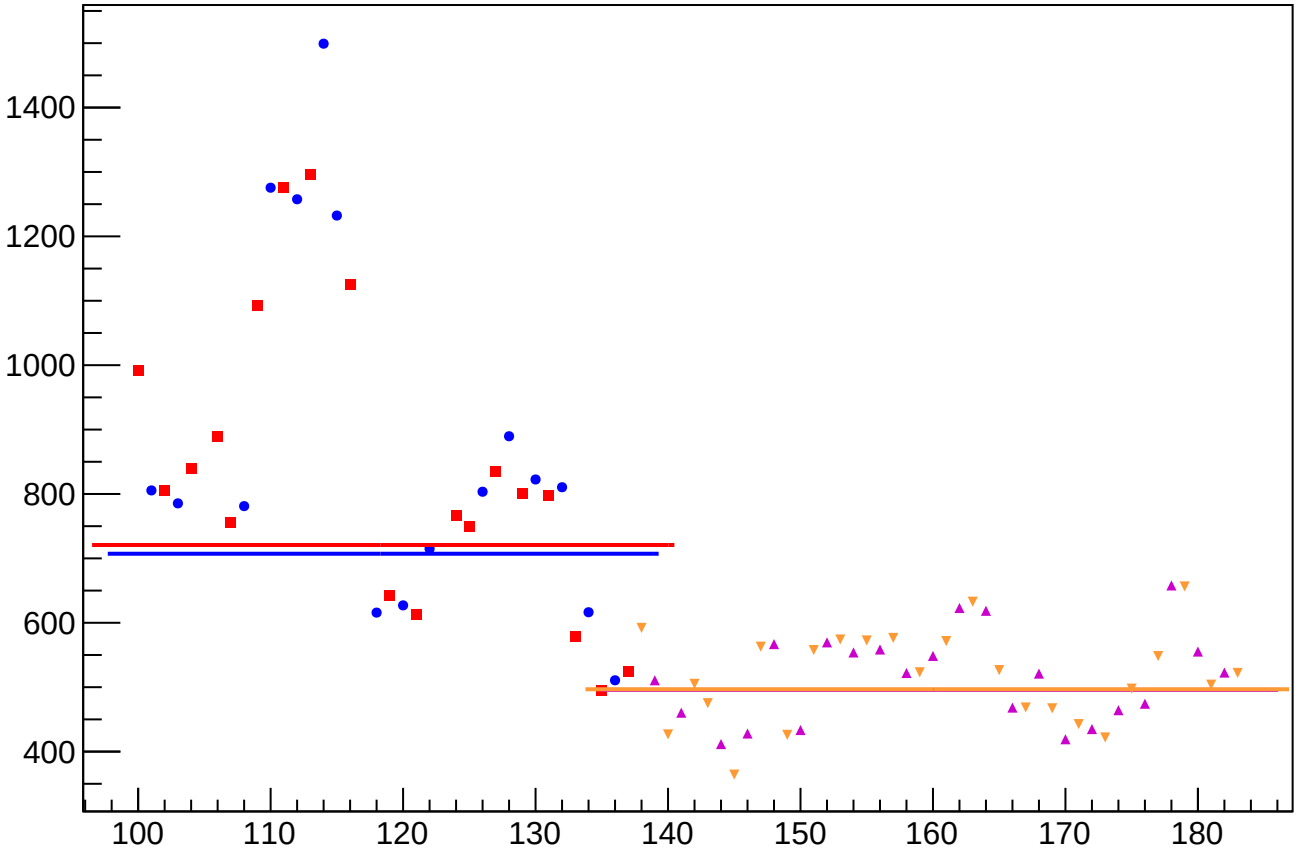
Left In: -88.209+/-118.237 χ^2/NDF:26.6/21

\+ sign -371.243+/-106.151 χ^2/NDF: 47.0/39

All: -252.243+/-75.889 χ^2/NDF: 90.9/80

\- sign -127.835+/-108.536 χ^2/NDF: 41.4/40

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 496.764+/-0.082 χ^2/NDF:791883.3/23

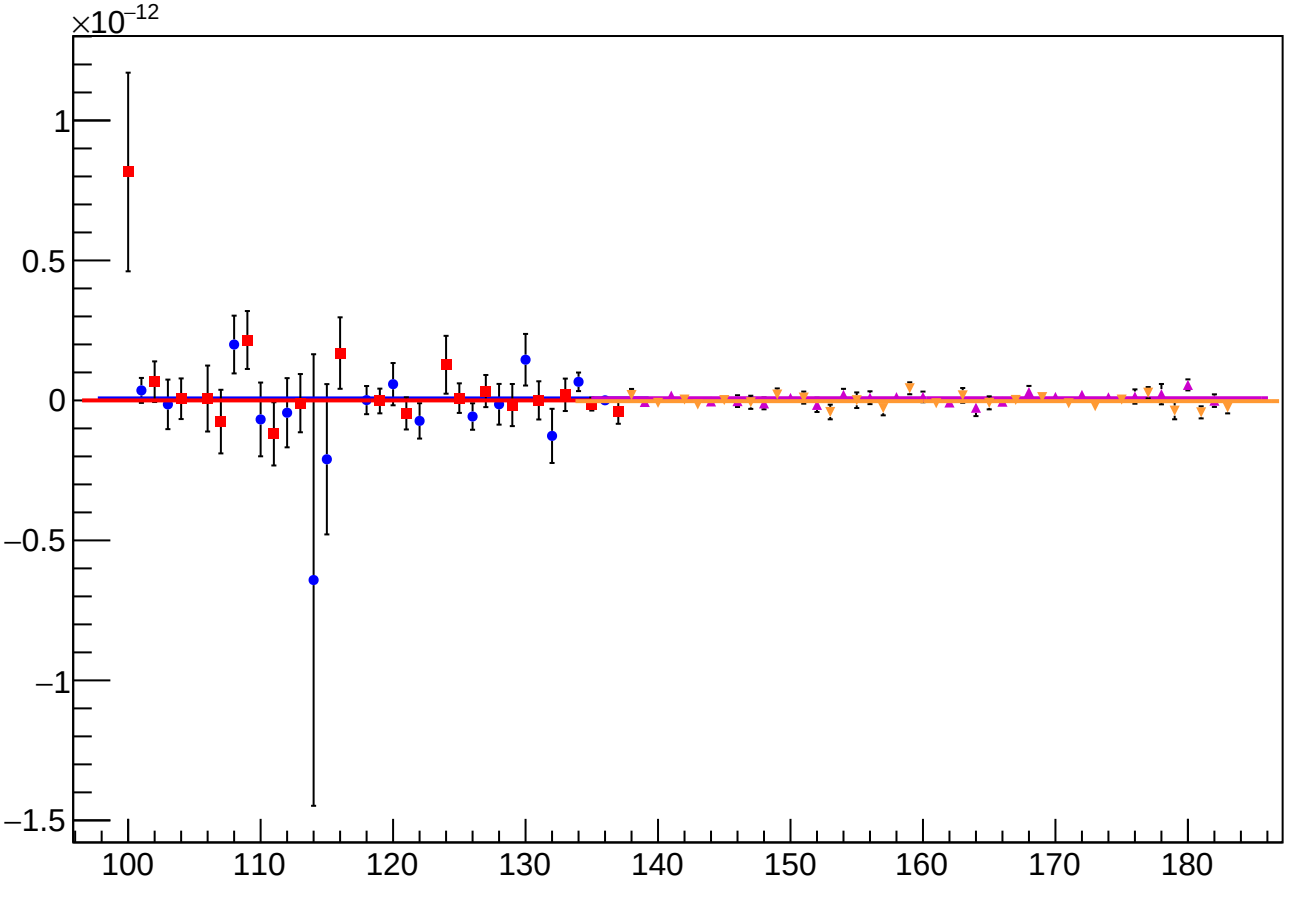
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 495.832+/-0.084 χ^2/NDF:620157.5/21

+ sign 528.829+/-0.075 χ^2/NDF: 2703789.5/39

All: 530.003+/-0.054 χ^2/NDF: 5478890.4/80

- sign 531.231+/-0.077 χ^2/NDF: 2774600.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

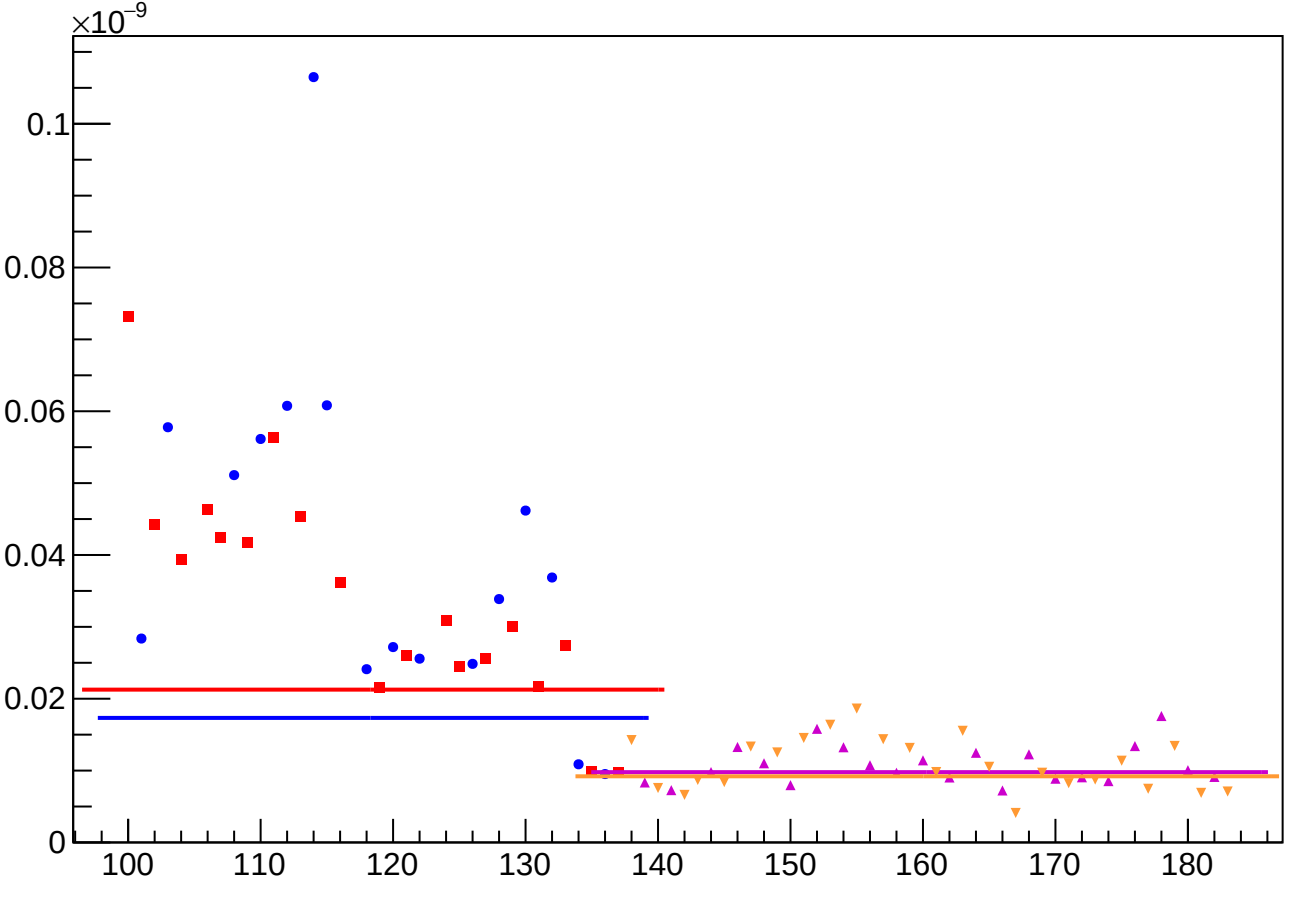
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.7/21

\+ sign -0.000+/-0.000 χ^2/NDF: 40.6/39

All: 0.000+/-0.000 χ^2/NDF: 76.4/80

\- sign 0.000+/-0.000 χ^2/NDF: 32.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1817154.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

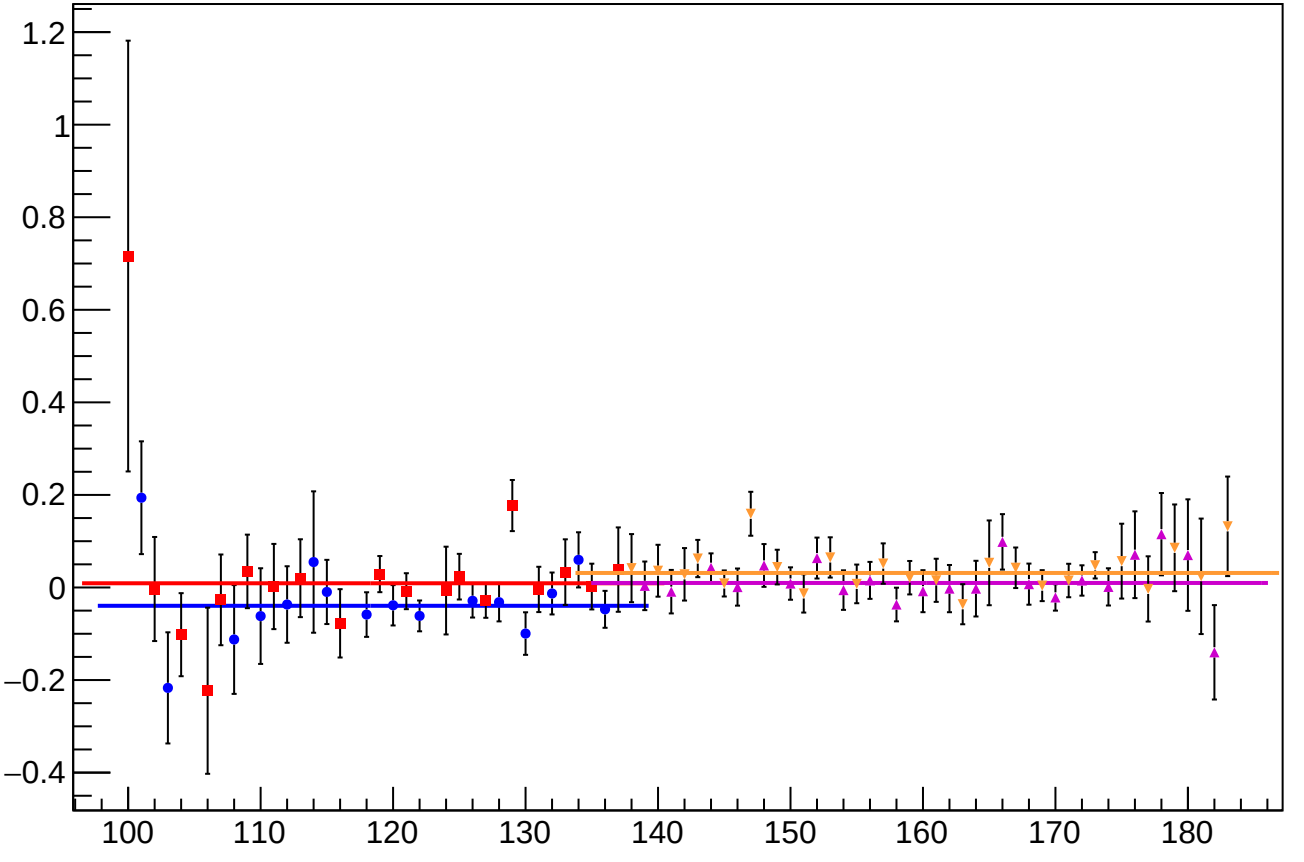
Left In: 0.000+/-0.000 χ^2/NDF:619265.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 5095620.0/39

All: 0.000+/-0.000 χ^2/NDF: 8779719.8/80

- sign 0.000+/-0.000 χ^2/NDF: 3643042.5/40

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

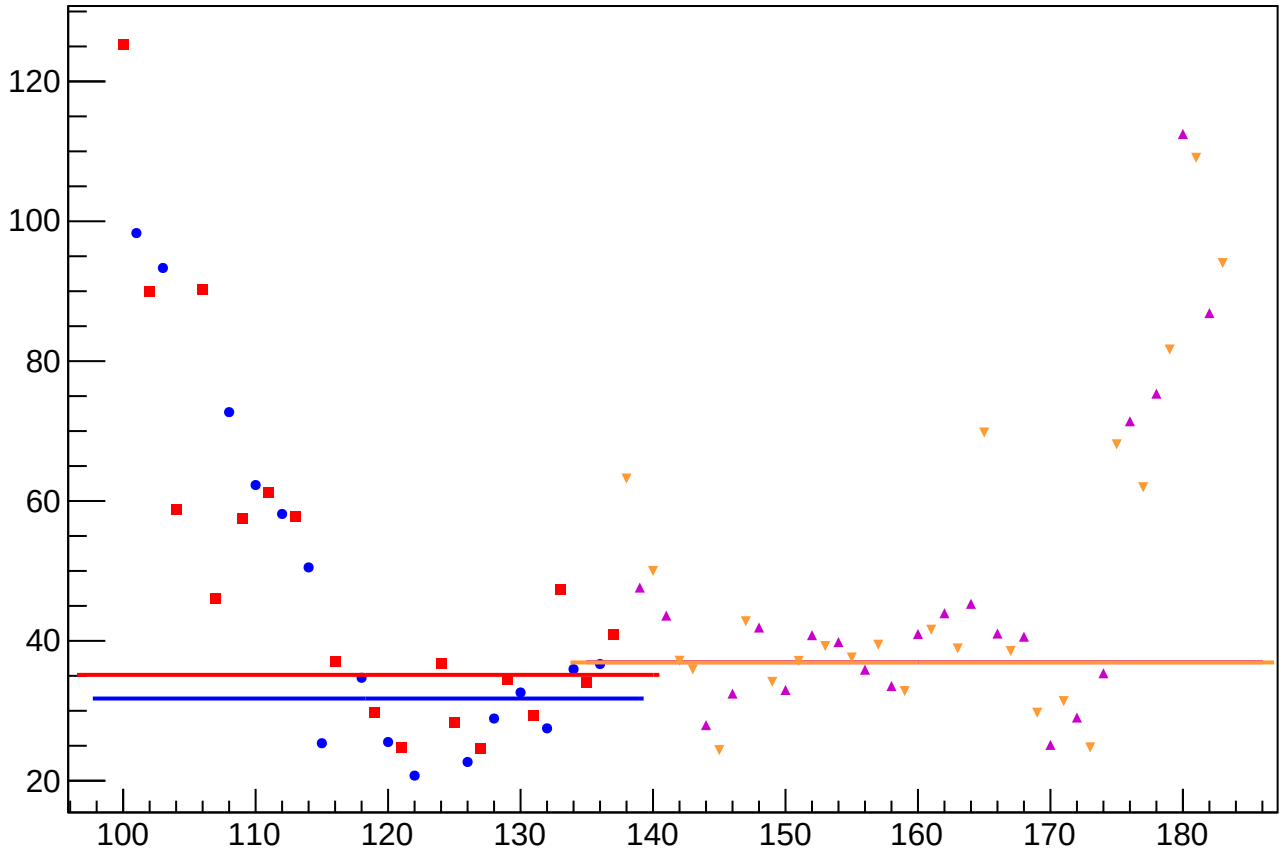
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/21

+ sign 0.008+/-0.008 χ^2/NDF: 48.5/39

All: 0.009+/-0.005 χ^2/NDF: 80.0/80

- sign 0.010+/-0.008 χ^2/NDF: 31.5/40



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.916+/-0.006 χ^2/NDF:3871703.0/23

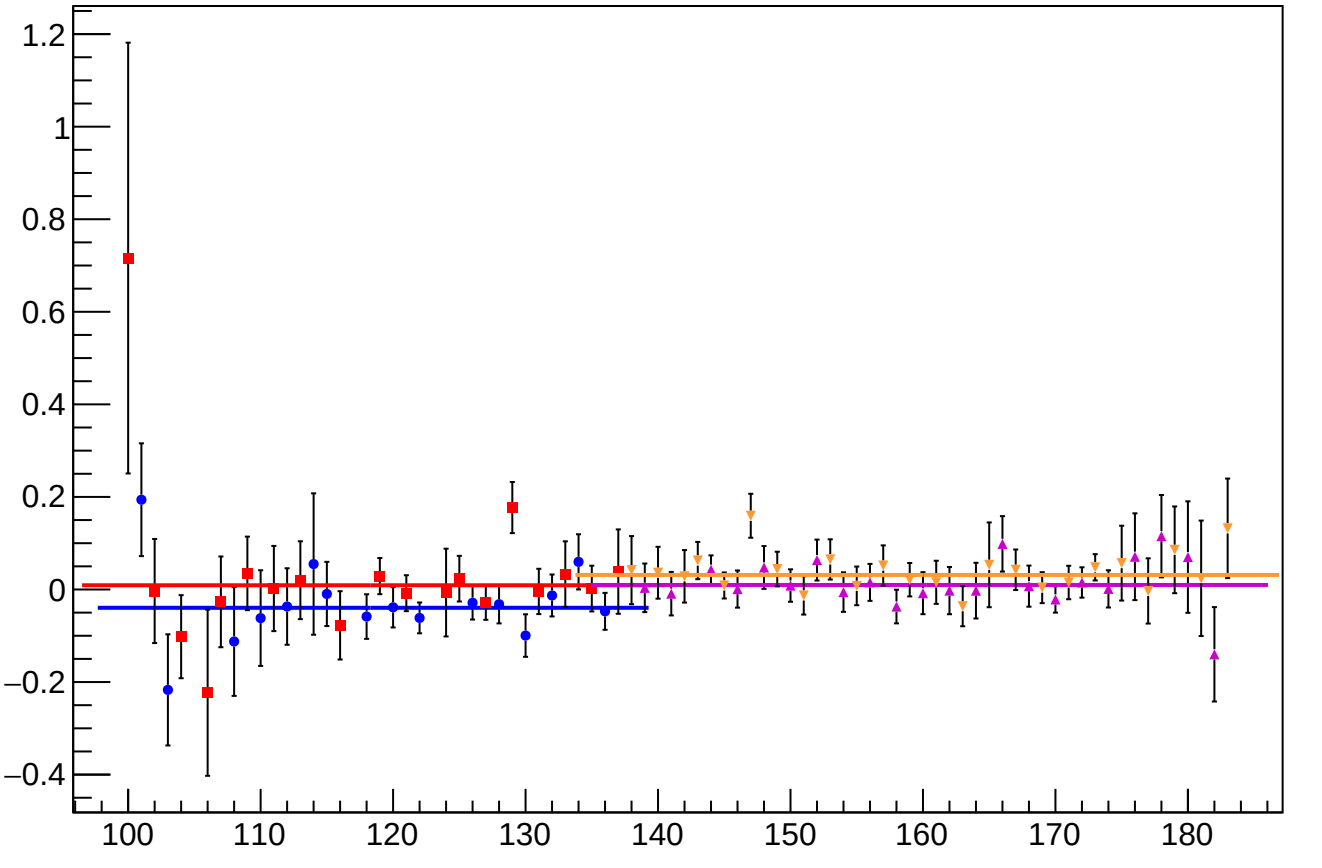
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894451.2/21

+ sign 35.238+/-0.005 χ^2/NDF: 6331577.5/39

All: 35.794+/-0.004 χ^2/NDF: 11116437.8/80

- sign 36.400+/-0.006 χ^2/NDF: 4761921.8/40



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

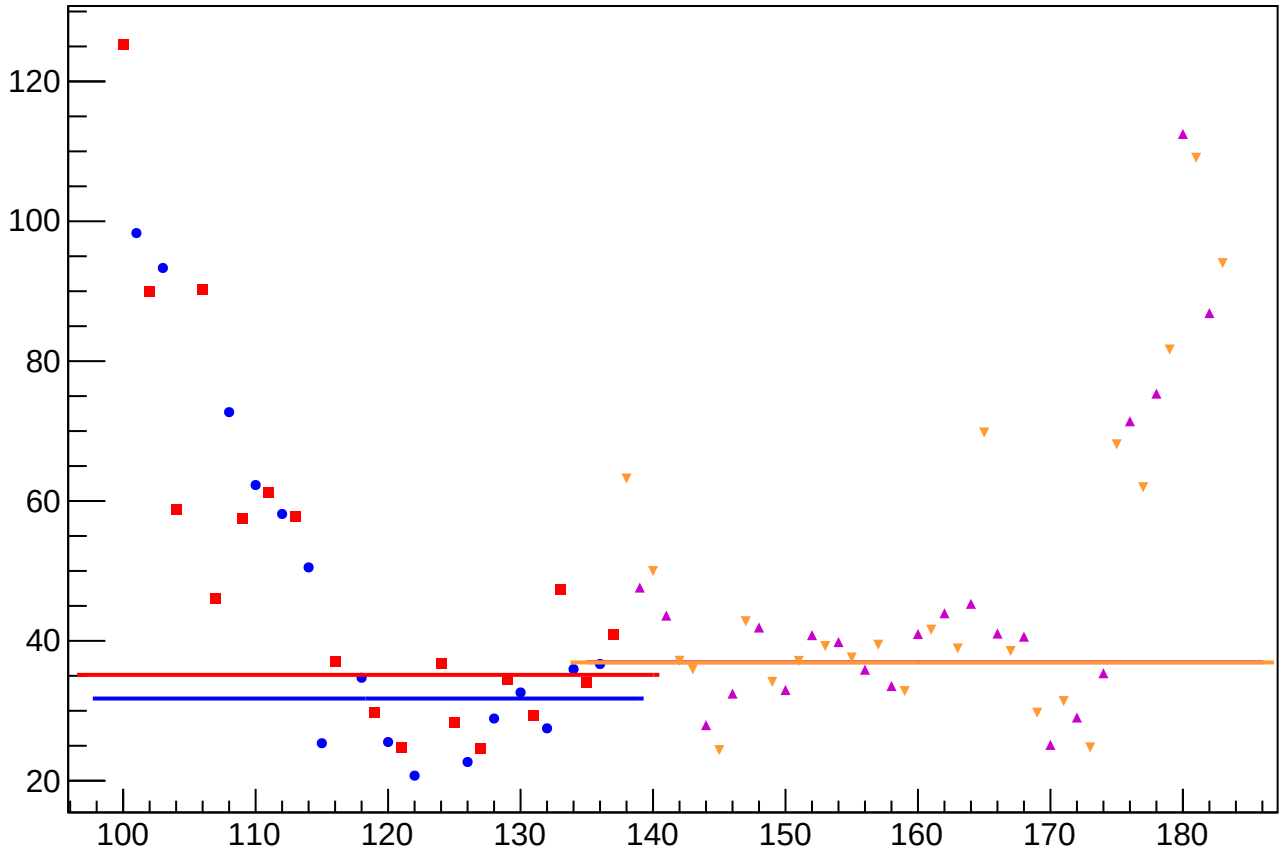
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/21

+ sign 0.008+/-0.008 χ^2/NDF: 48.5/39

All: 0.009+/-0.005 χ^2/NDF: 80.0/80

- sign 0.010+/-0.008 χ^2/NDF: 31.5/40



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.916+/-0.006 χ^2/NDF:3871703.0/23

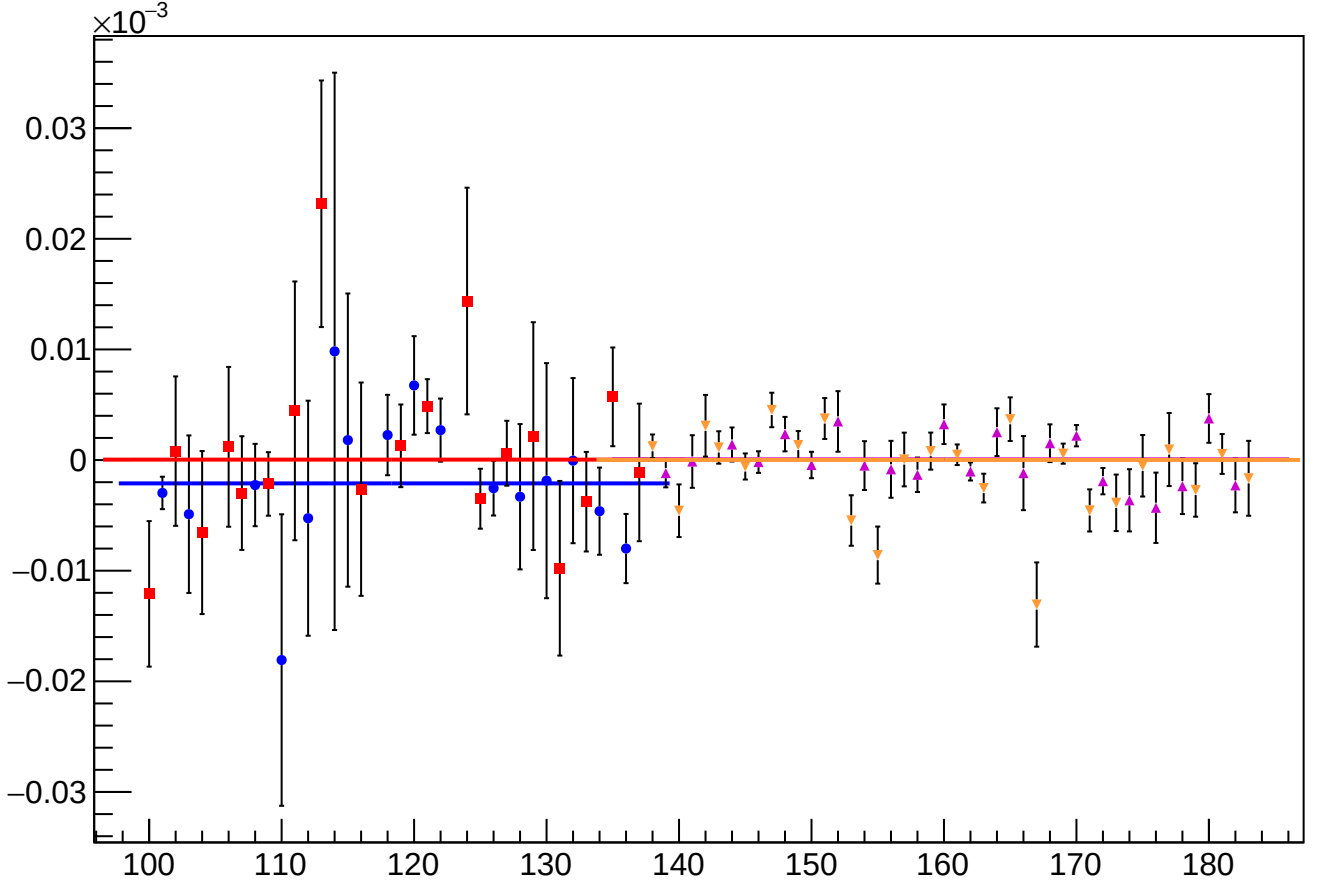
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894451.2/21

+ sign 35.238+/-0.005 χ^2/NDF: 6331577.5/39

All: 35.794+/-0.004 χ^2/NDF: 11116437.8/80

- sign 36.400+/-0.006 χ^2/NDF: 4761921.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:67.4/23

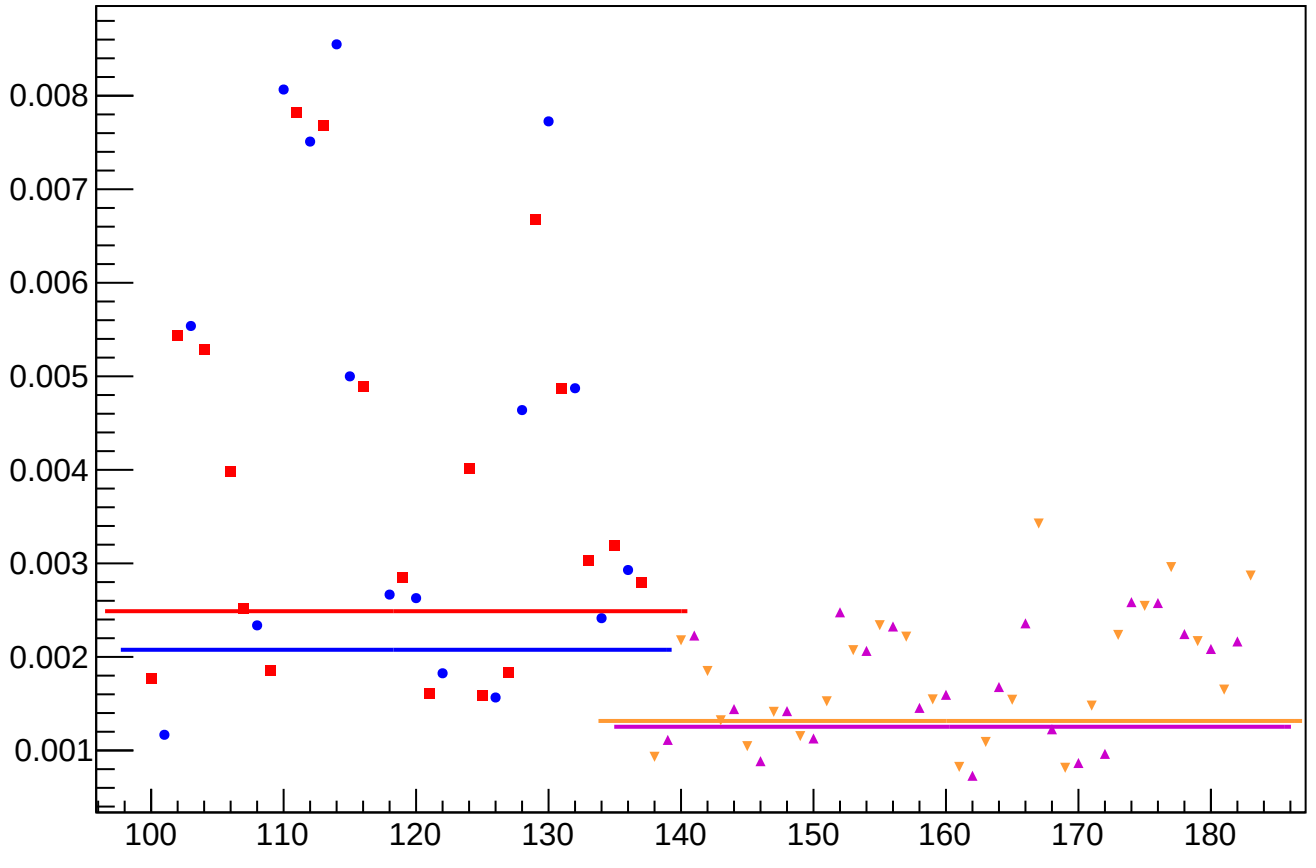
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:29.7/21

+ sign -0.000+/-0.000 χ^2/NDF: 87.0/39

All: -0.000+/-0.000 χ^2/NDF: 138.5/80

- sign 0.000+/-0.000 χ^2/NDF: 51.1/40



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5386043.8/23

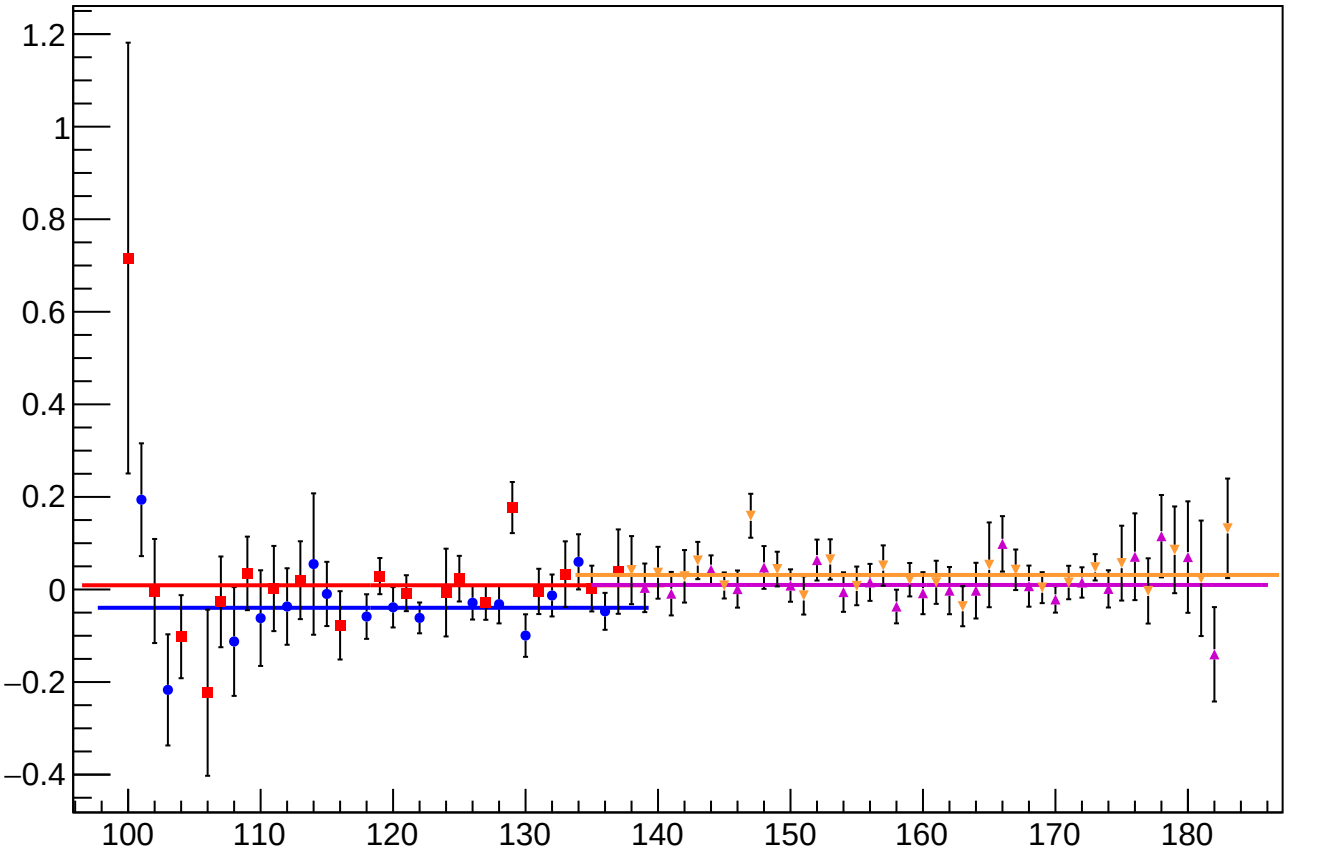
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:5075275.7/21

+ sign 0.001+/-0.000 χ^2/NDF: 10538461.6/39

All: 0.001+/-0.000 χ^2/NDF: 21279780.8/80

- sign 0.001+/-0.000 χ^2/NDF: 10724978.8/40



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

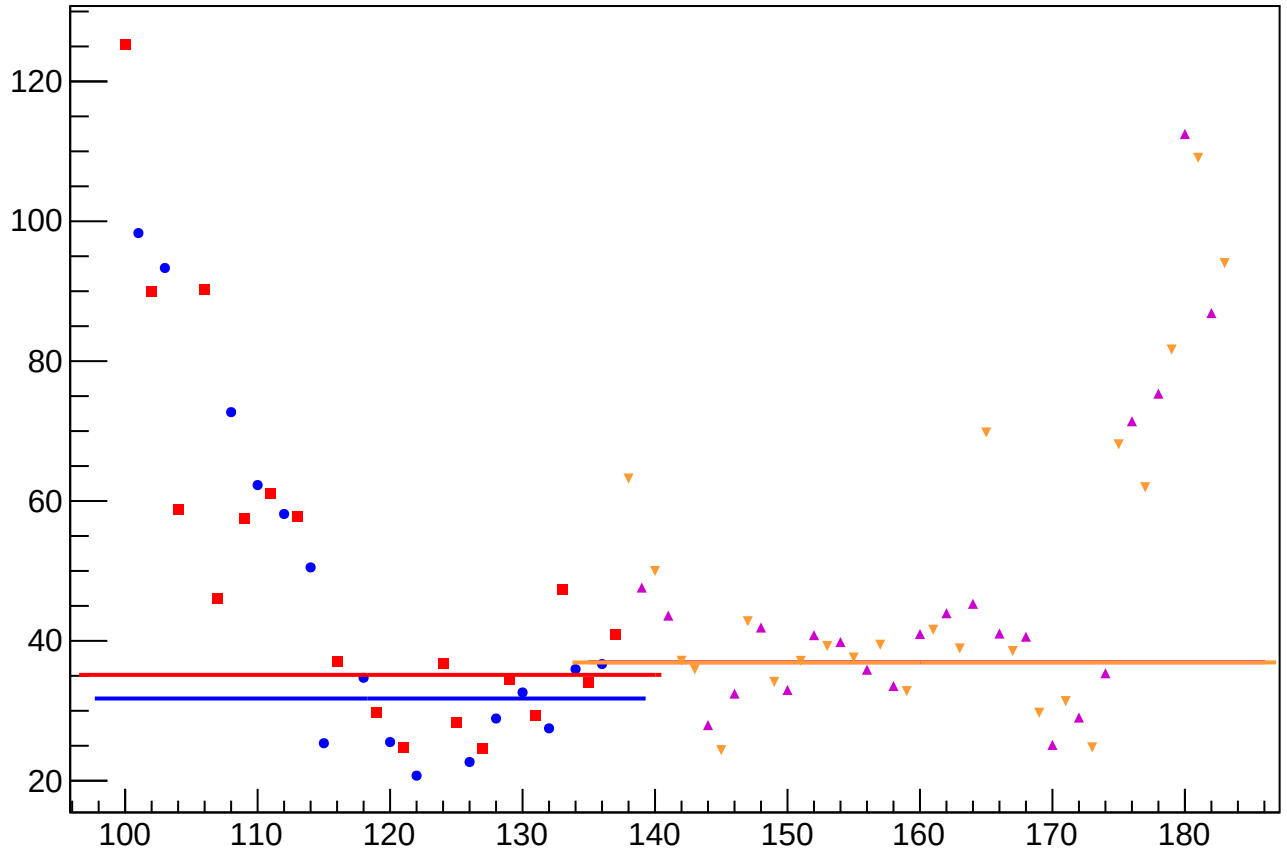
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/21

+ sign 0.008+/-0.008 χ^2/NDF: 48.5/39

All: 0.009+/-0.005 χ^2/NDF: 80.0/80

- sign 0.010+/-0.008 χ^2/NDF: 31.5/40



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.916+/-0.006 χ^2/NDF:3871715.8/23

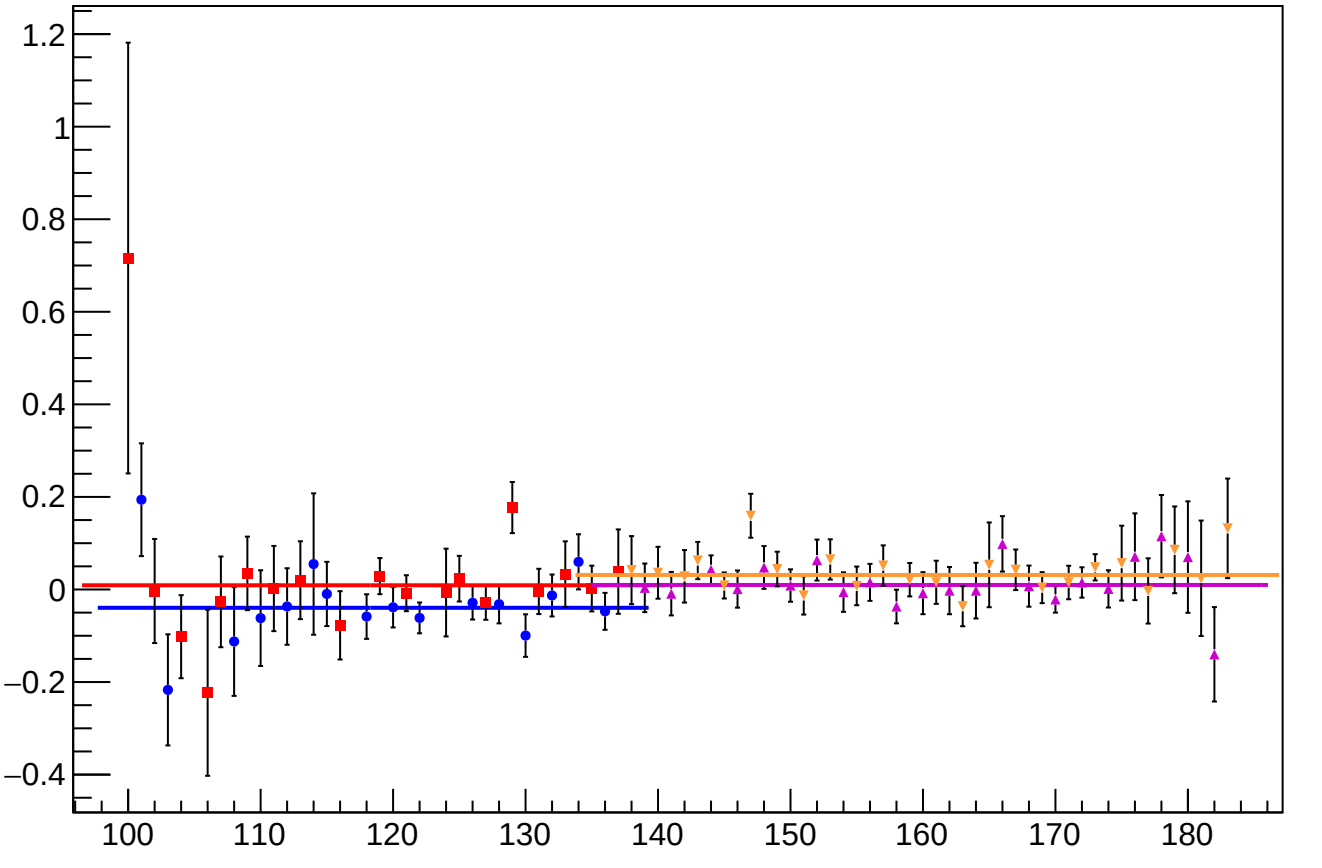
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894417.9/21

+ sign 35.238+/-0.005 χ^2/NDF: 6331531.2/39

All: 35.794+/-0.004 χ^2/NDF: 11116240.9/80

- sign 36.400+/-0.006 χ^2/NDF: 4761771.5/40



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

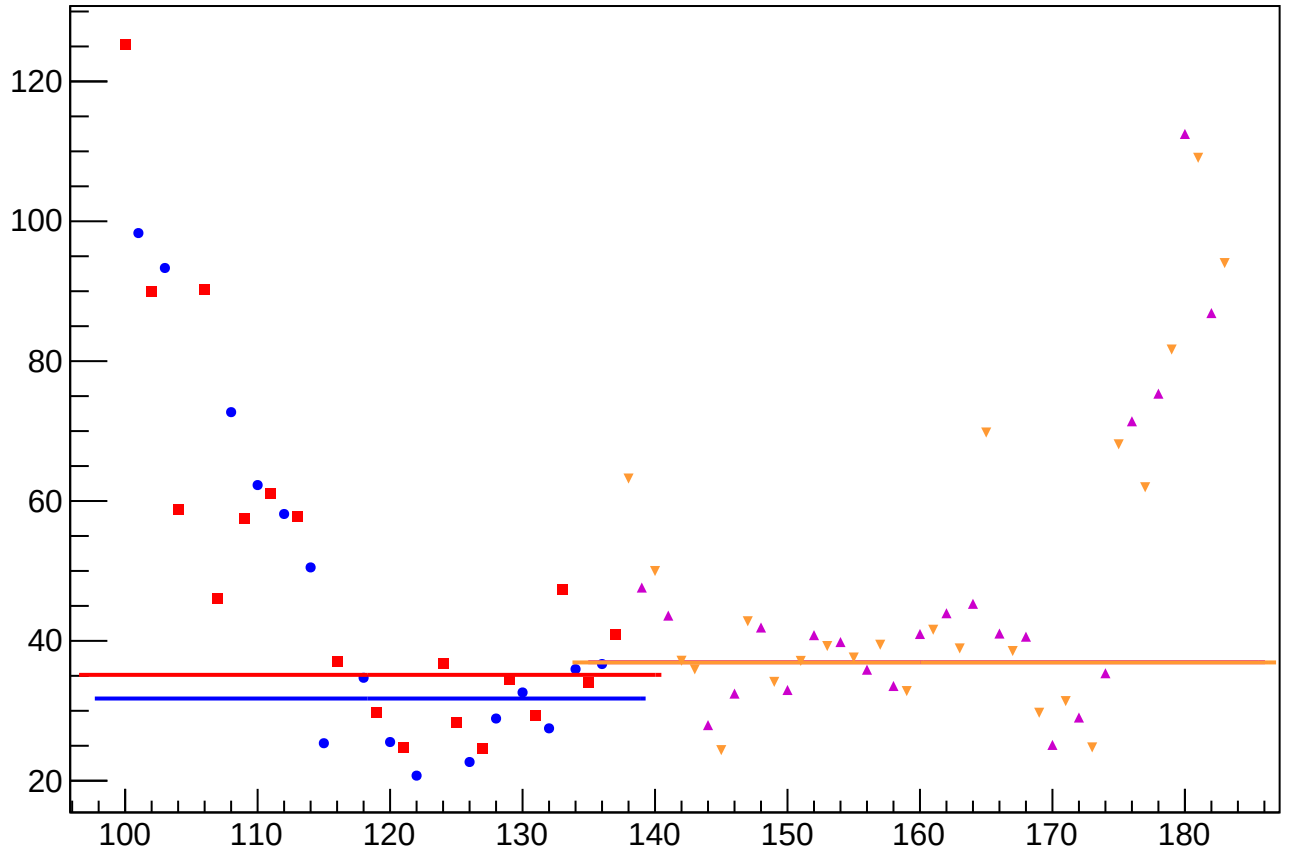
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/21

+ sign 0.008+/-0.008 χ^2/NDF: 48.5/39

All: 0.009+/-0.005 χ^2/NDF: 80.0/80

- sign 0.010+/-0.008 χ^2/NDF: 31.5/40



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.916+/-0.006 χ^2/NDF:3871715.8/23

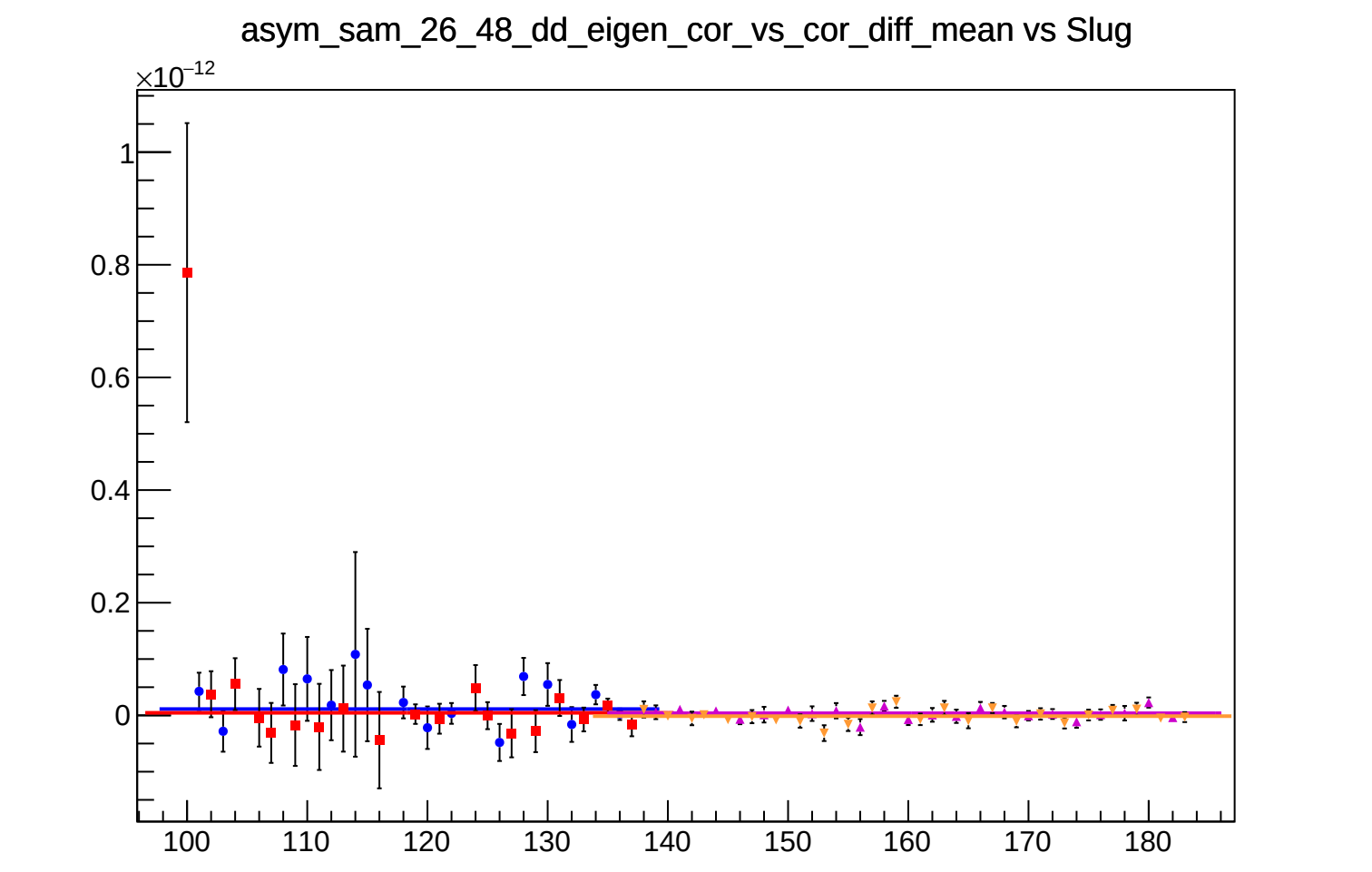
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.955+/-0.007 χ^2/NDF:2894417.9/21

+ sign 35.238+/-0.005 χ^2/NDF: 6331531.2/39

All: 35.794+/-0.004 χ^2/NDF: 11116240.9/80

- sign 36.400+/-0.006 χ^2/NDF: 4761771.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/23

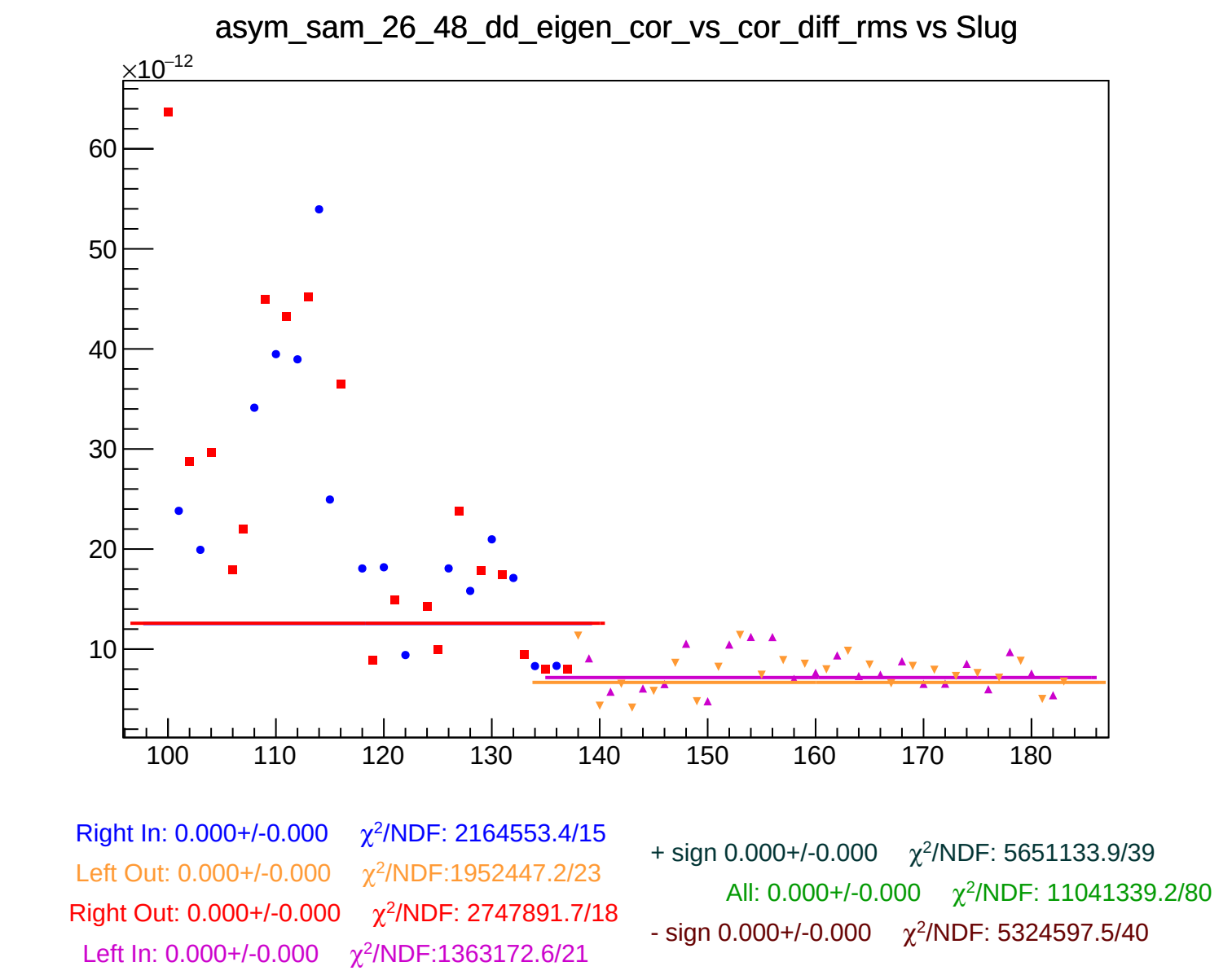
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/21

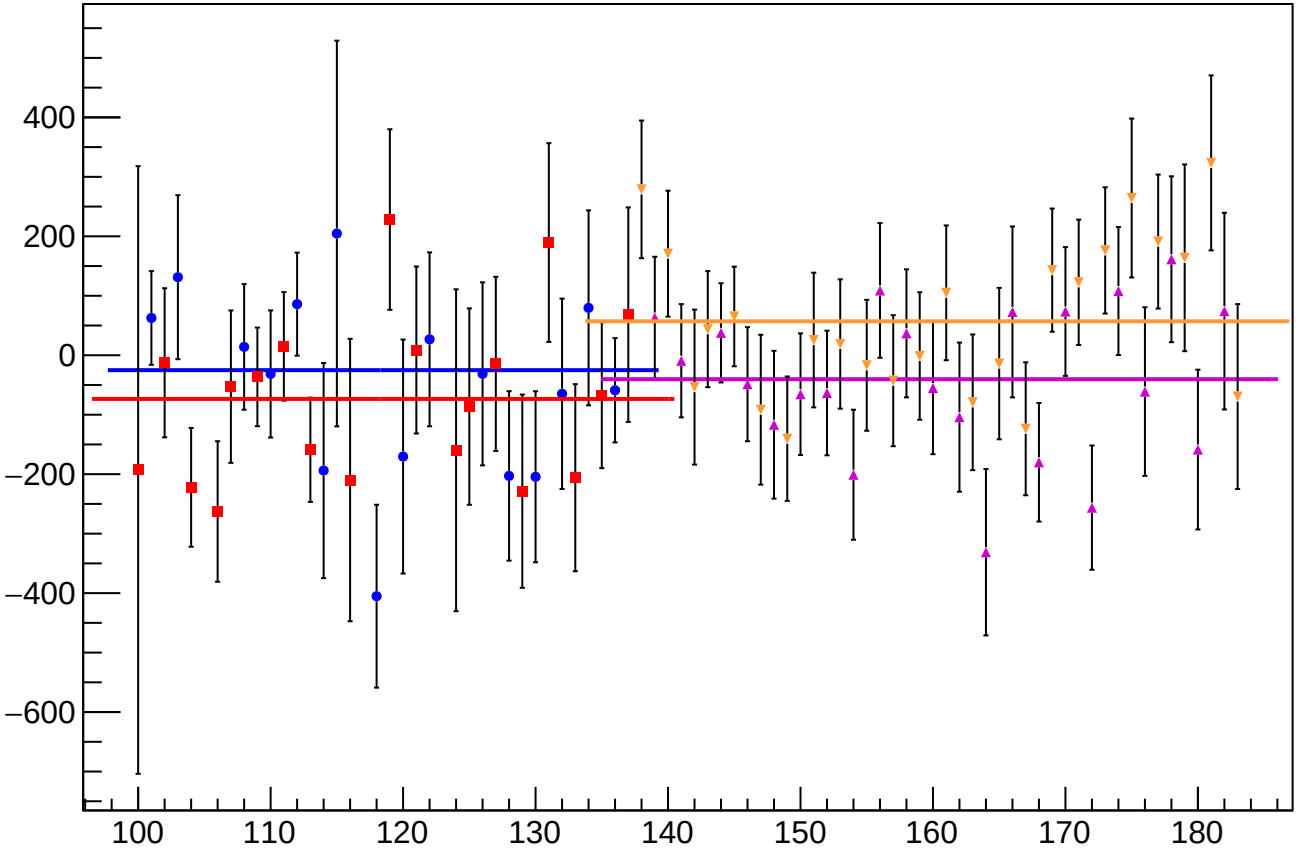
+ sign -0.000+/-0.000 χ^2/NDF: 46.3/39

All: 0.000+/-0.000 χ^2/NDF: 84.2/80

- sign 0.000+/-0.000 χ^2/NDF: 35.5/40


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1952447.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1363172.6/21
+ sign 0.000+/-0.000 χ²/NDF: 5651133.9/39
All: 0.000+/-0.000 χ²/NDF: 11041339.2/80
- sign 0.000+/-0.000 χ²/NDF: 5324597.5/40

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 57.068+/-23.121 χ^2/NDF:27.4/23

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

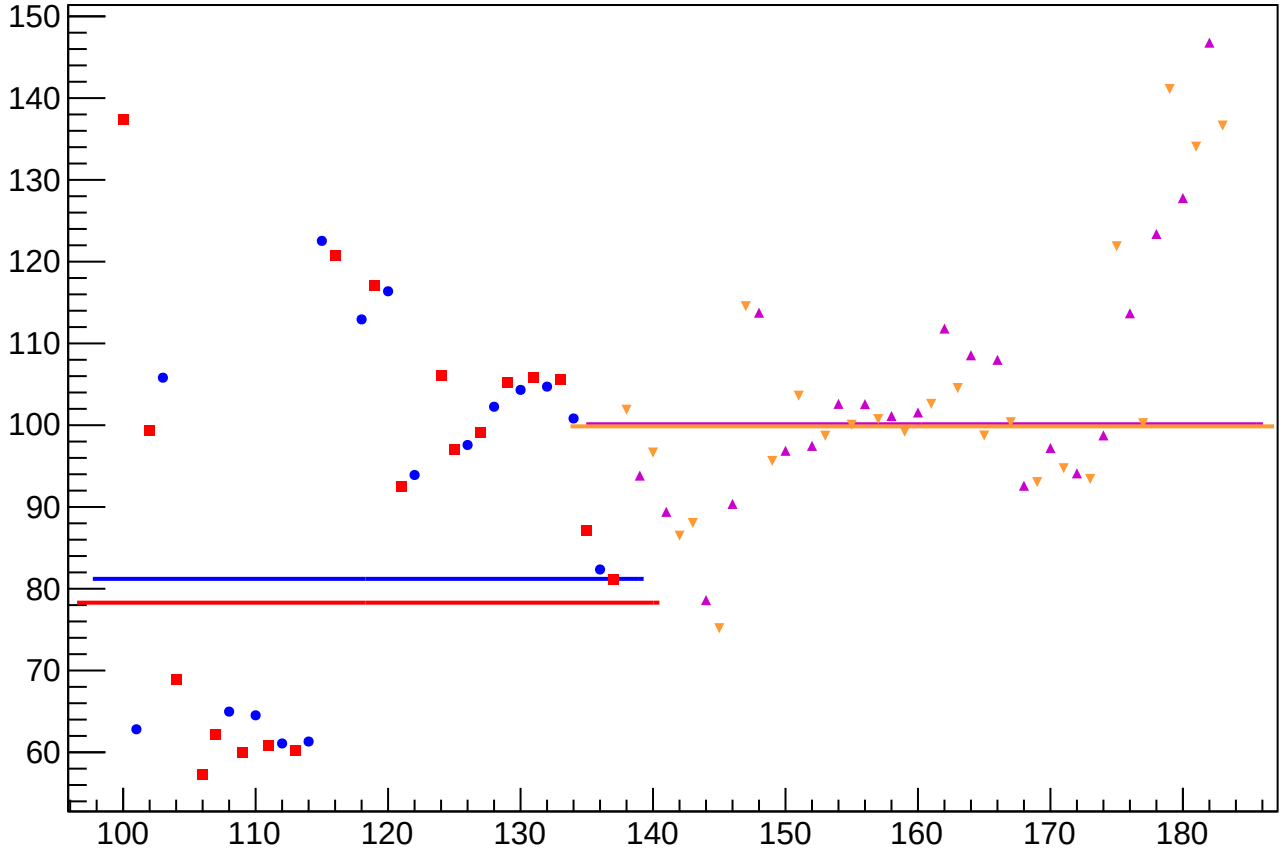
Left In: -40.279+/-23.843 χ^2/NDF:24.8/21

+ sign 27.986+/-18.583 χ^2/NDF: 48.1/39

All: -12.439+/-13.164 χ^2/NDF: 99.9/80

- sign -53.158+/-18.650 χ^2/NDF: 42.3/40

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 99.858+/-0.016 χ^2/NDF:697670.9/23

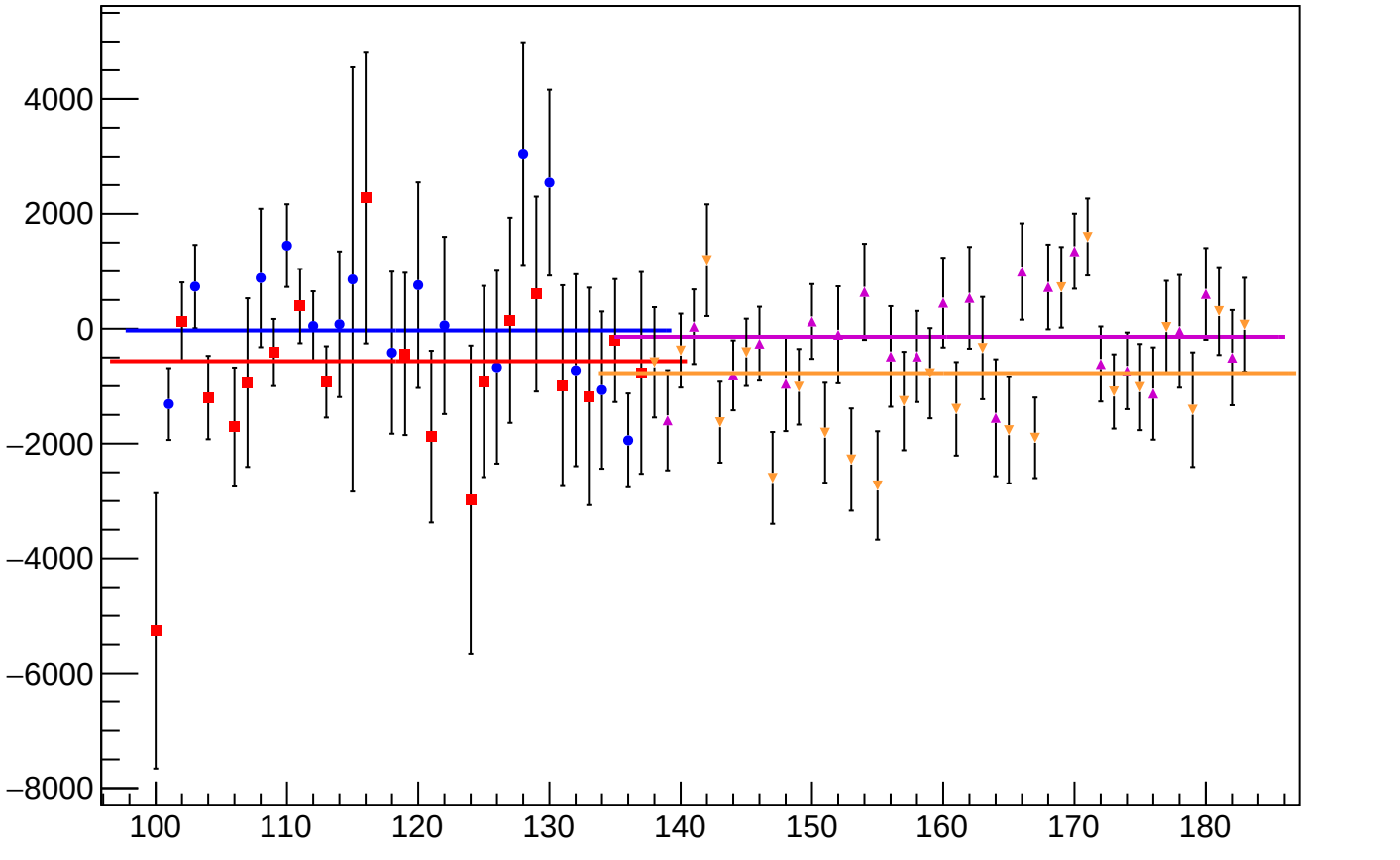
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 100.117+/-0.017 χ^2/NDF:584790.3/21

+ sign 93.255+/-0.013 χ^2/NDF: 1945999.6/39

All: 92.454+/-0.009 χ^2/NDF: 4123019.6/80

- sign 91.648+/-0.013 χ^2/NDF: 2169560.4/40



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -772.324+/-157.689 χ^2/NDF:47.0/23

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

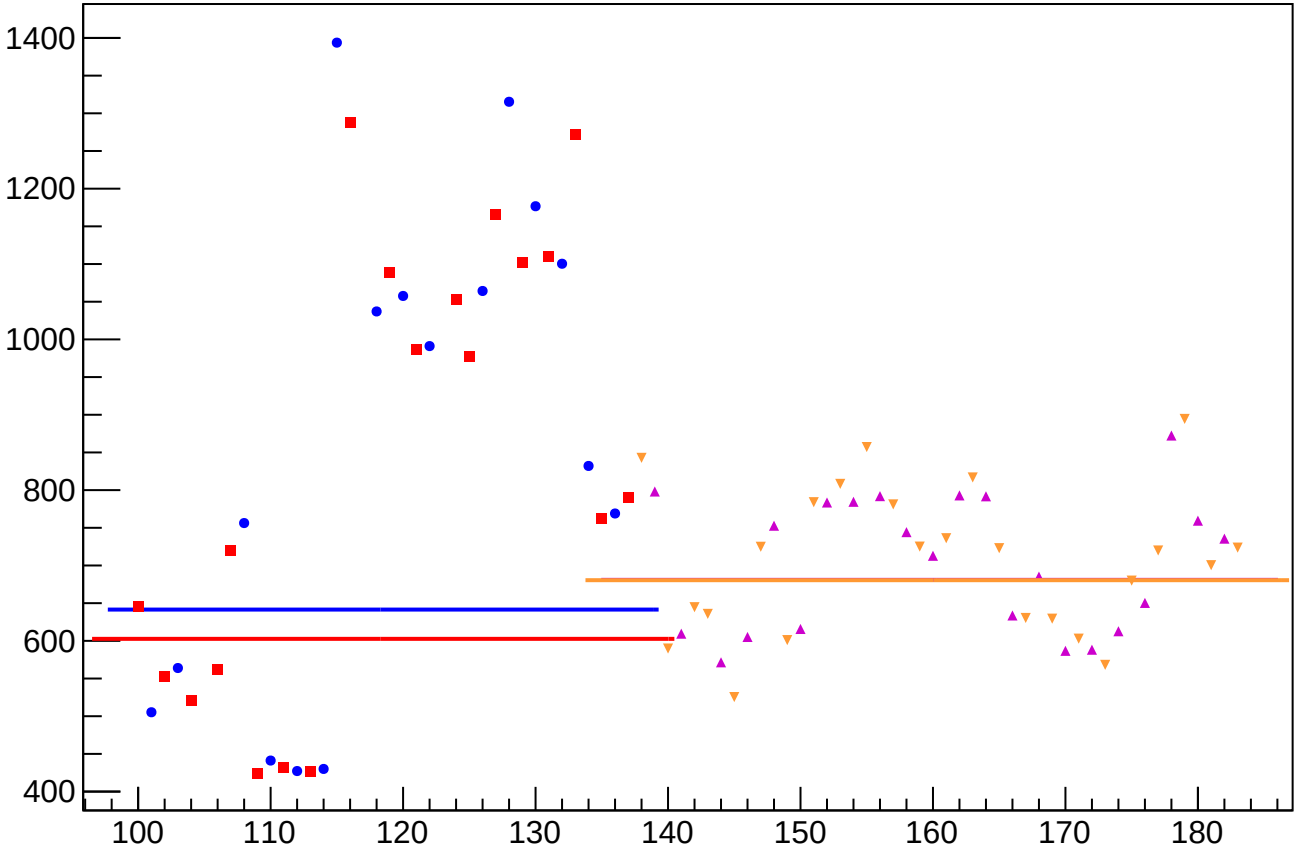
Left In: -141.515+/-162.099 χ^2/NDF:21.9/21

+ sign -569.404+/-134.405 χ^2/NDF: 74.9/39

All: -421.977+/-94.918 χ^2/NDF: 114.7/80

- sign -275.298+/-134.064 χ^2/NDF: 37.3/40

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 680.491+/-0.112 χ^2/NDF:729061.6/23

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

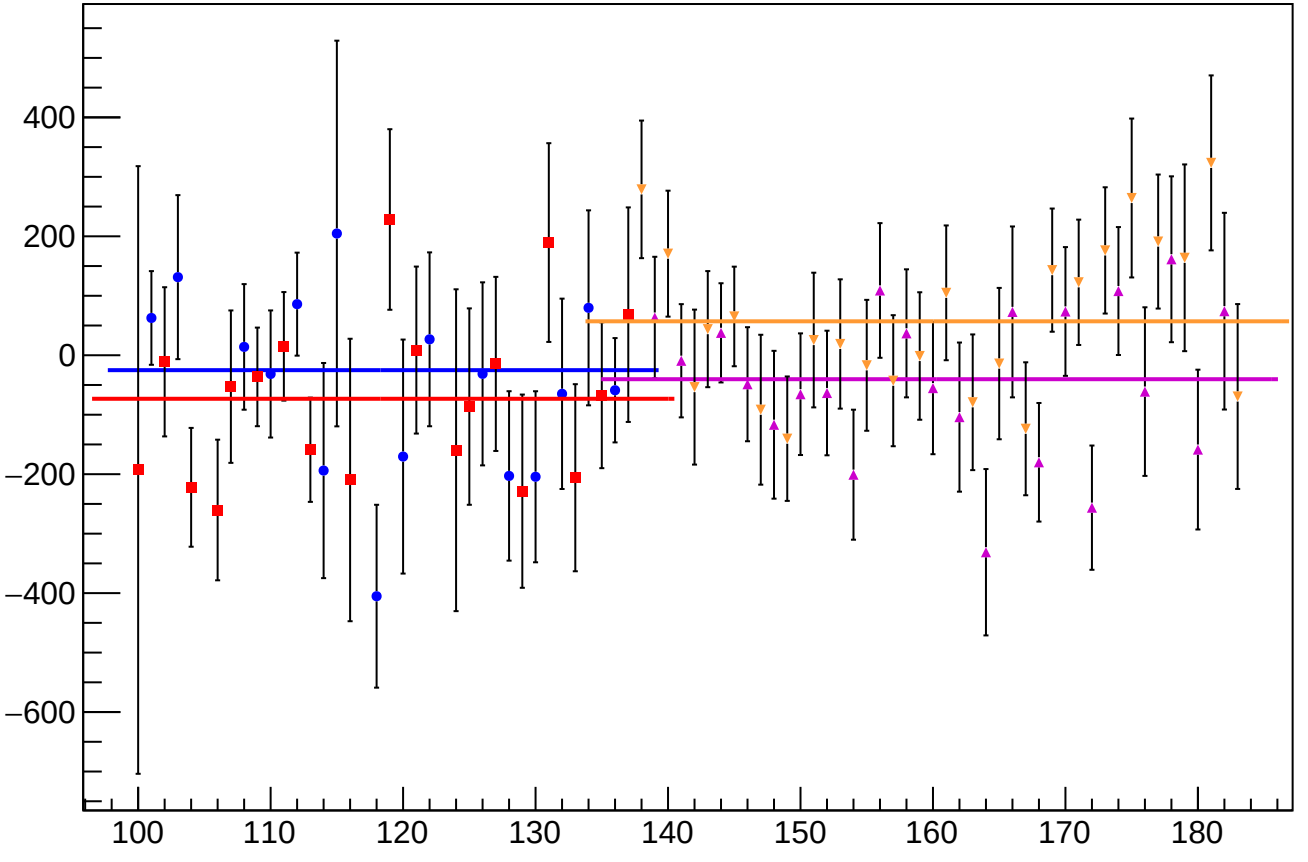
Left In: 680.931+/-0.115 χ^2/NDF:568651.7/21

+ sign 669.826+/-0.095 χ^2/NDF: 2637499.5/39

All: 662.994+/-0.067 χ^2/NDF: 5434142.8/80

- sign 656.196+/-0.095 χ^2/NDF: 2786333.1/40

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 57.074+/-23.121 χ^2/NDF:27.4/23

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

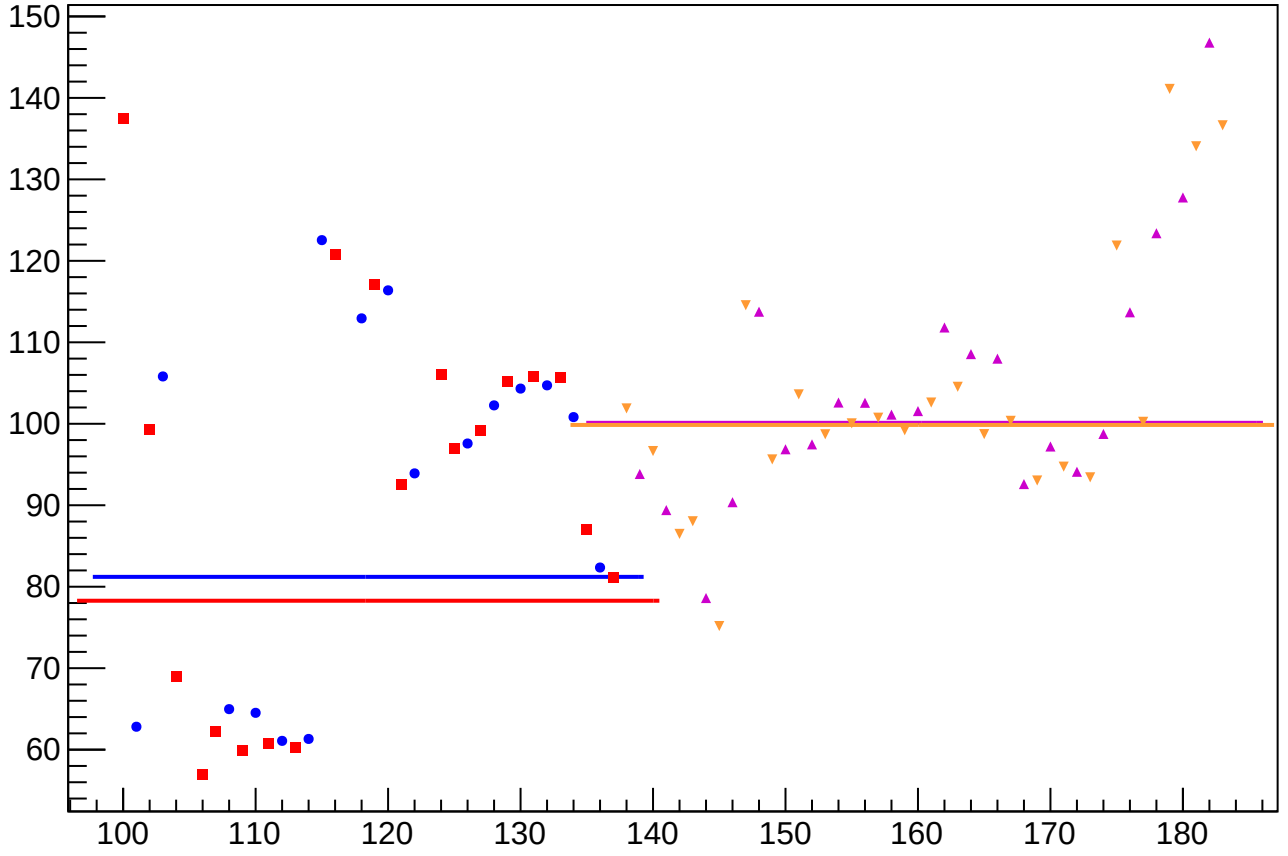
Left In: -40.281+/-23.843 χ^2/NDF:24.7/21

+ sign 27.989+/-18.583 χ^2/NDF: 48.1/39

All: -12.385+/-13.164 χ^2/NDF: 99.8/80

- sign -53.055+/-18.650 χ^2/NDF: 42.2/40

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.858+/-0.016 χ^2/NDF:697670.9/23

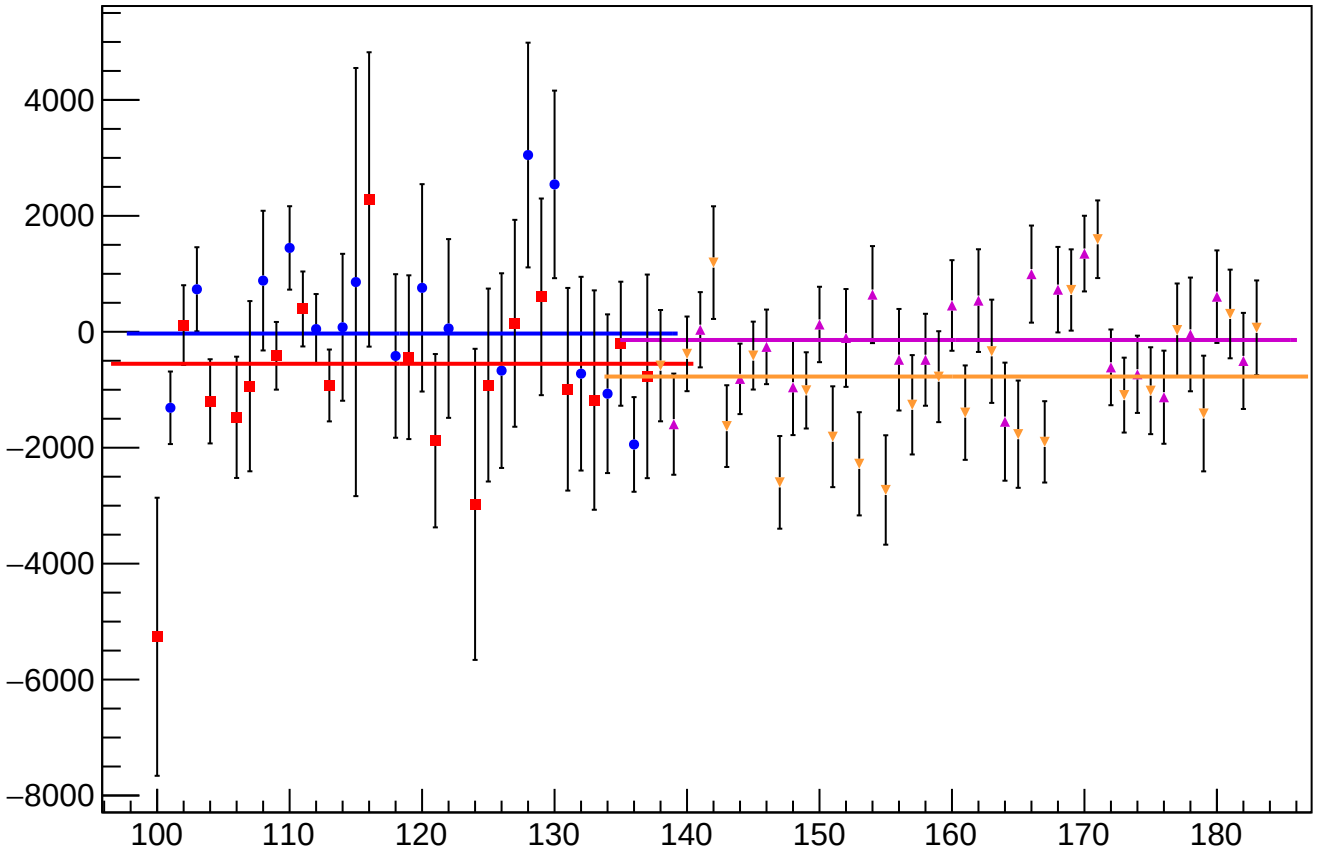
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 100.117+/-0.017 χ^2/NDF:584790.3/21

+ sign 93.255+/-0.013 χ^2/NDF: 1946001.1/39

All: 92.451+/-0.009 χ^2/NDF: 4126283.3/80

- sign 91.641+/-0.013 χ^2/NDF: 2172761.4/40



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -772.316+/-157.689 χ^2/NDF:47.0/23

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

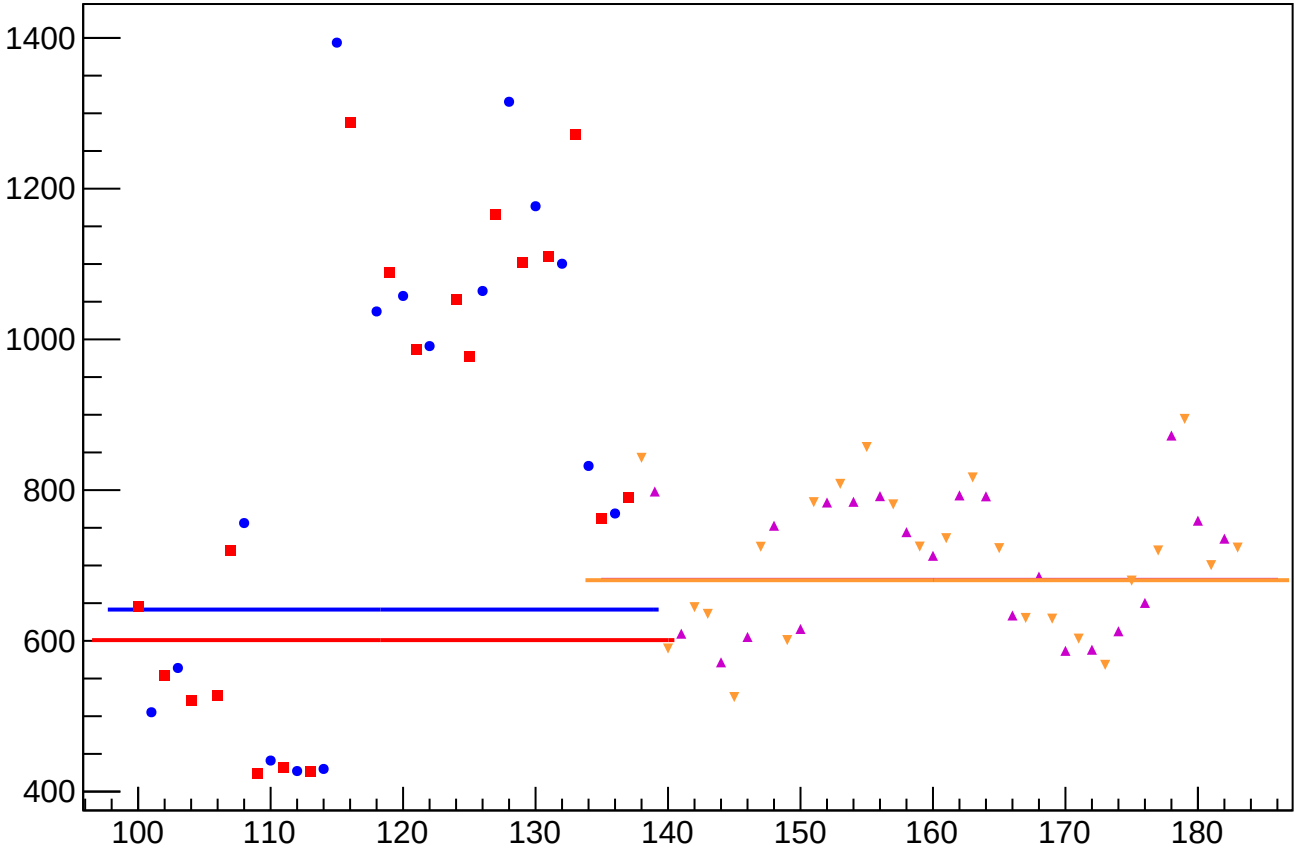
Left In: -141.515+/-162.099 χ^2/NDF:21.9/21

+ sign -569.409+/-134.406 χ^2/NDF: 74.9/39

All: -419.903+/-94.927 χ^2/NDF: 114.1/80

- sign -271.099+/-134.090 χ^2/NDF: 36.7/40

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 680.491+/-0.112 χ^2/NDF:729061.3/23

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

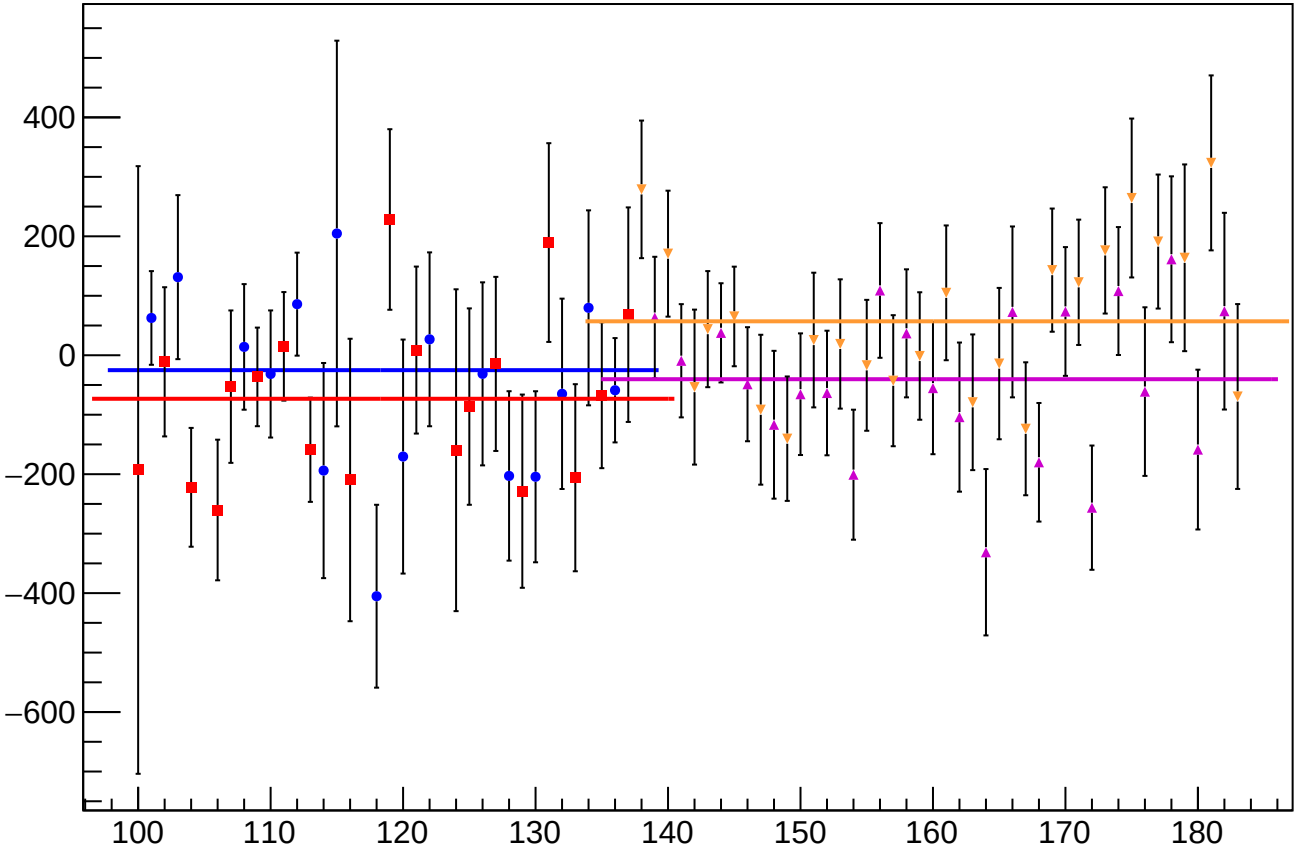
Left In: 680.931+/-0.115 χ^2/NDF:568652.9/21

+ sign 669.829+/-0.095 χ^2/NDF: 2637442.4/39

All: 662.741+/-0.067 χ^2/NDF: 5448054.3/80

- sign 655.687+/-0.095 χ^2/NDF: 2799515.7/40

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 57.074+/-23.121 χ^2/NDF:27.4/23

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

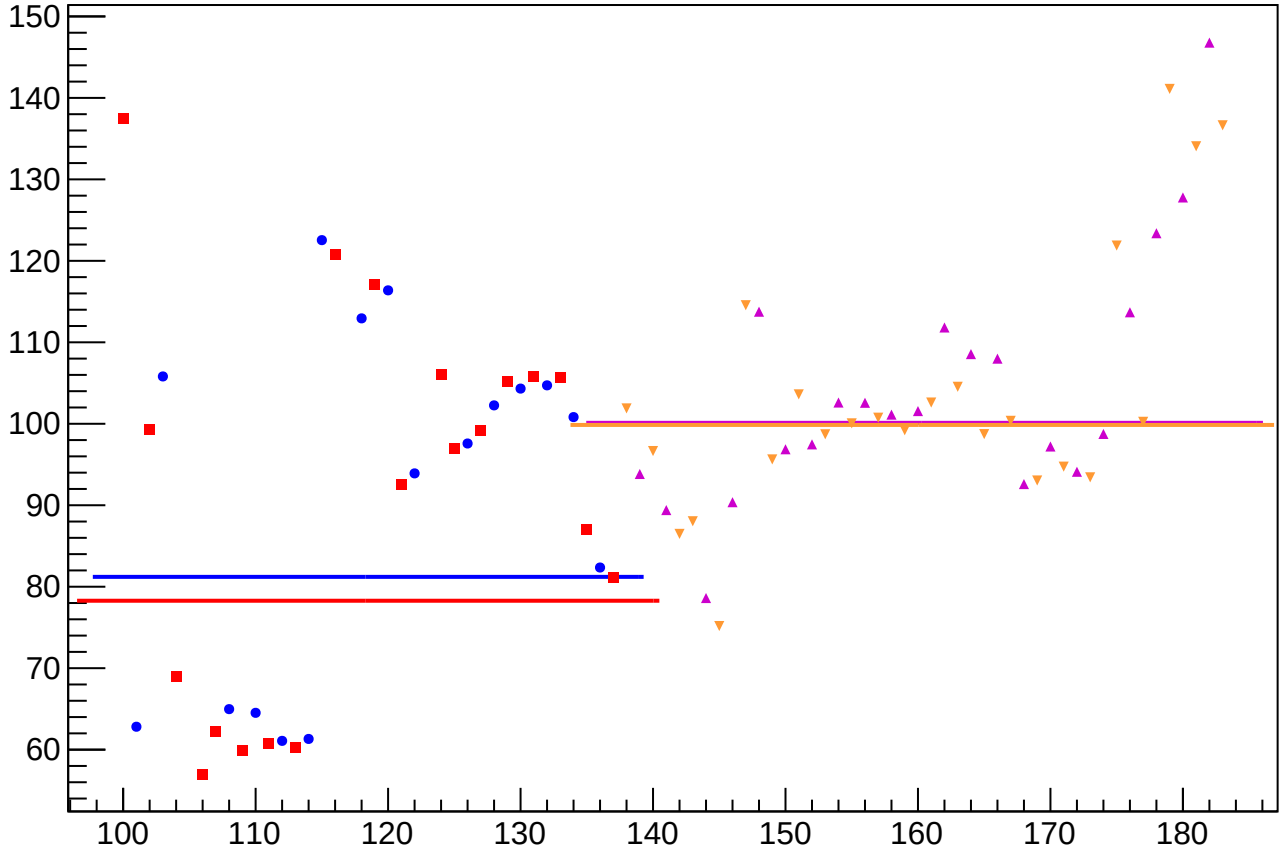
Left In: -40.281+/-23.843 χ^2/NDF:24.7/21

+ sign 27.989+/-18.583 χ^2/NDF: 48.1/39

All: -12.385+/-13.164 χ^2/NDF: 99.8/80

- sign -53.055+/-18.650 χ^2/NDF: 42.2/40

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.858+/-0.016 χ^2/NDF:697670.9/23

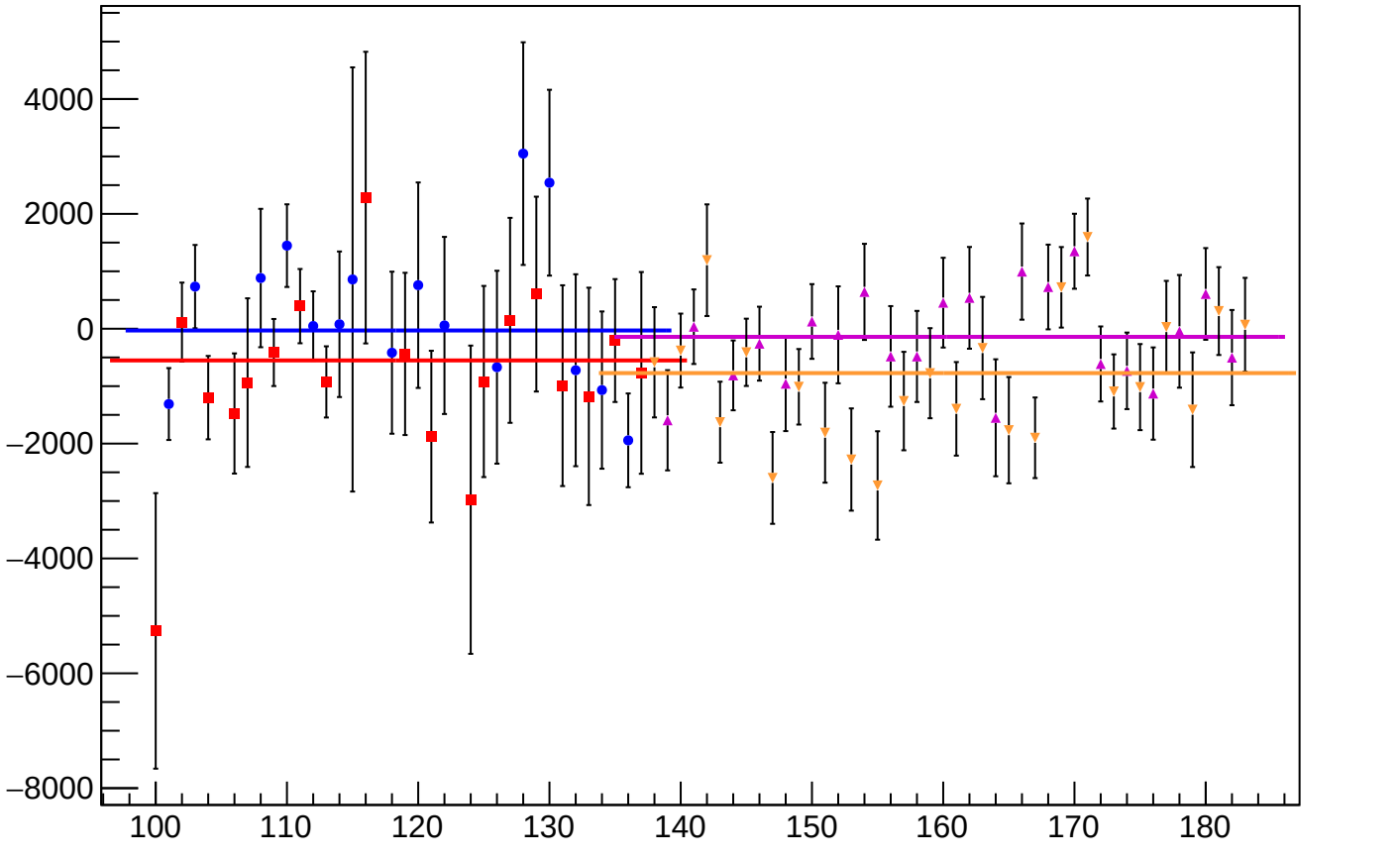
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 100.117+/-0.017 χ^2/NDF:584790.3/21

+ sign 93.255+/-0.013 χ^2/NDF: 1946001.1/39

All: 92.451+/-0.009 χ^2/NDF: 4126283.3/80

- sign 91.641+/-0.013 χ^2/NDF: 2172761.4/40



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -772.316+/-157.689 χ^2/NDF:47.0/23

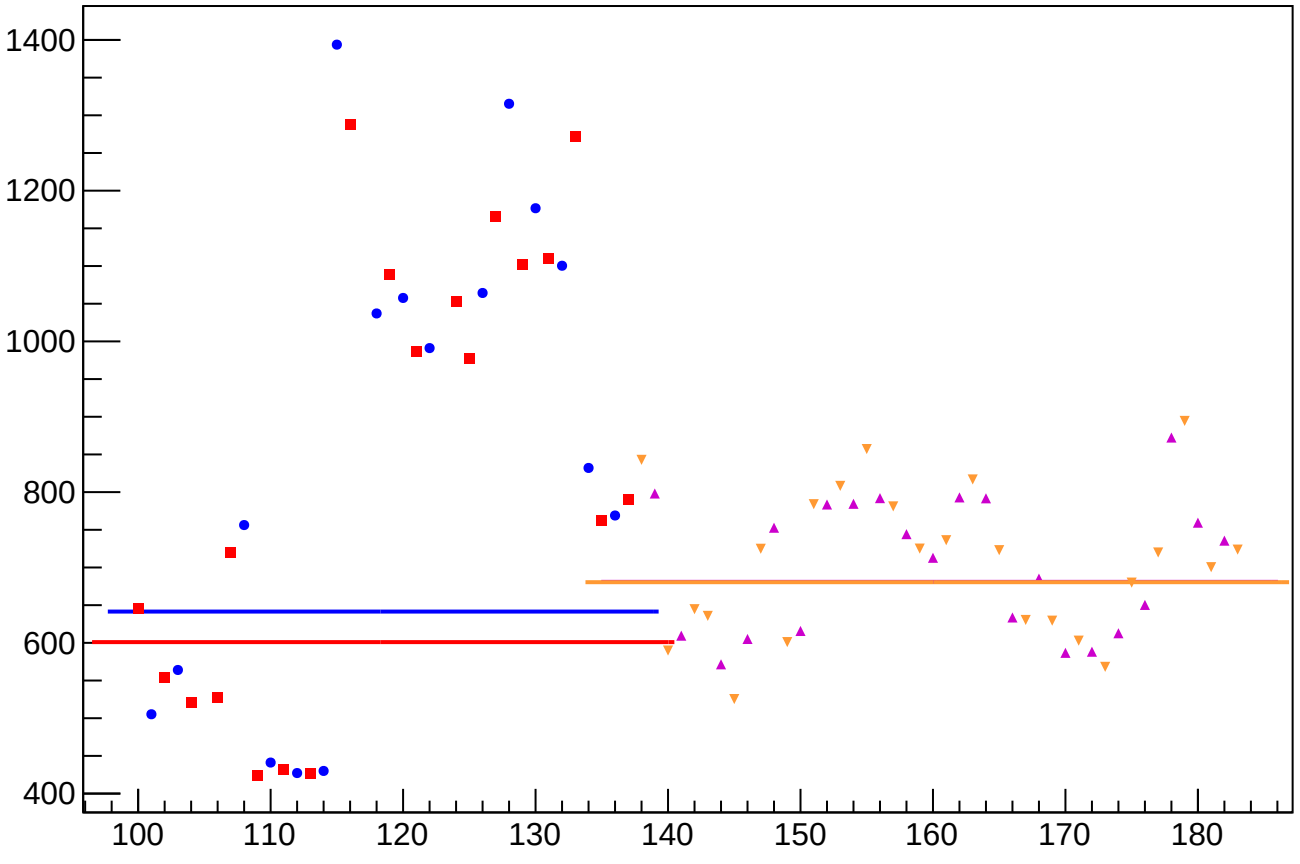
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -141.515+/-162.099 χ^2/NDF:21.9/21

+ sign -569.409+/-134.406 χ^2/NDF: 74.9/39

All: -419.903+/-94.927 χ^2/NDF: 114.1/80

- sign -271.099+/-134.090 χ^2/NDF: 36.7/40



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 680.491+/-0.112 χ^2/NDF:729061.3/23

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

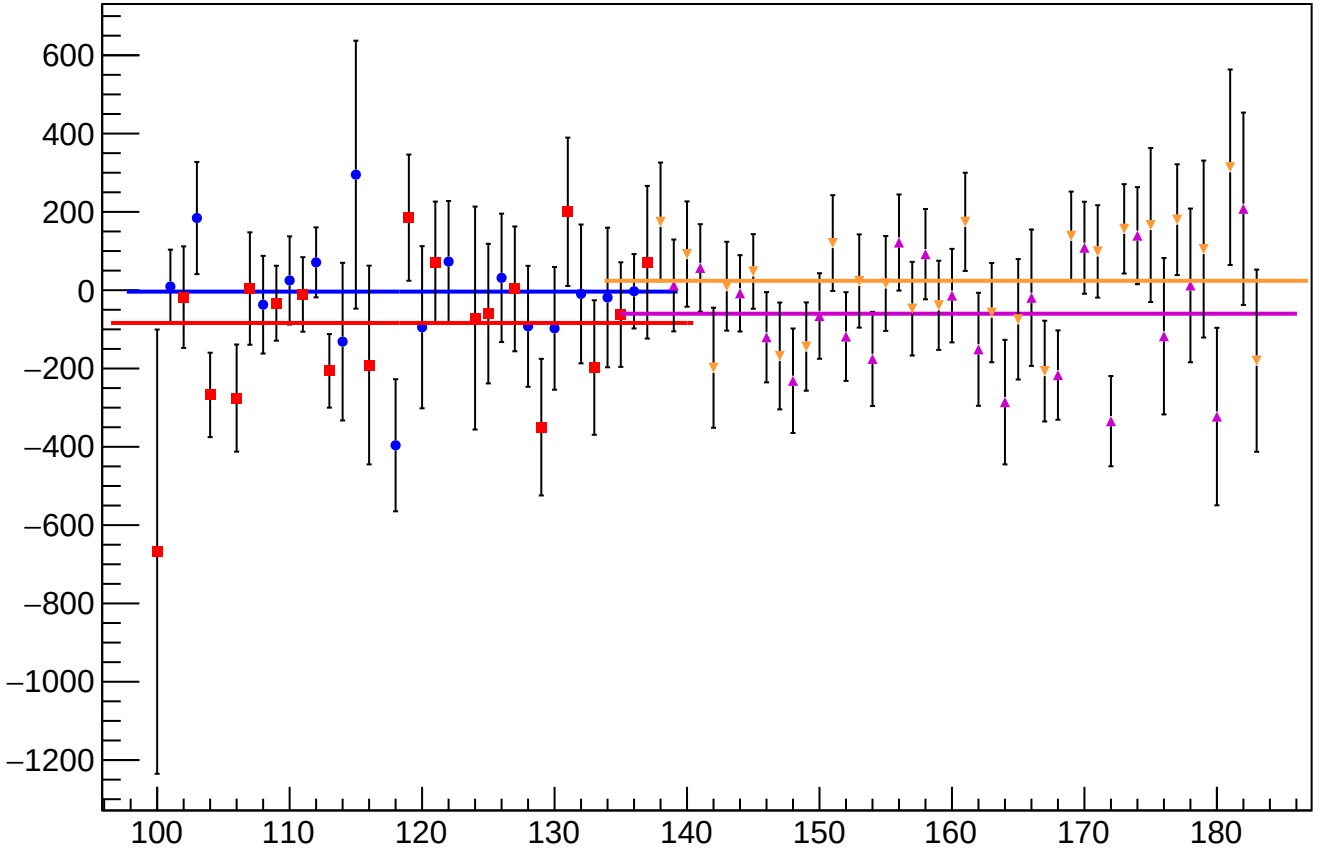
Left In: 680.931+/-0.115 χ^2/NDF:568652.9/21

+ sign 669.829+/-0.095 χ^2/NDF: 2637442.4/39

All: 662.741+/-0.067 χ^2/NDF: 5448054.3/80

- sign 655.687+/-0.095 χ^2/NDF: 2799515.7/40

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 24.025+/-26.734 χ^2/NDF:21.1/23

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

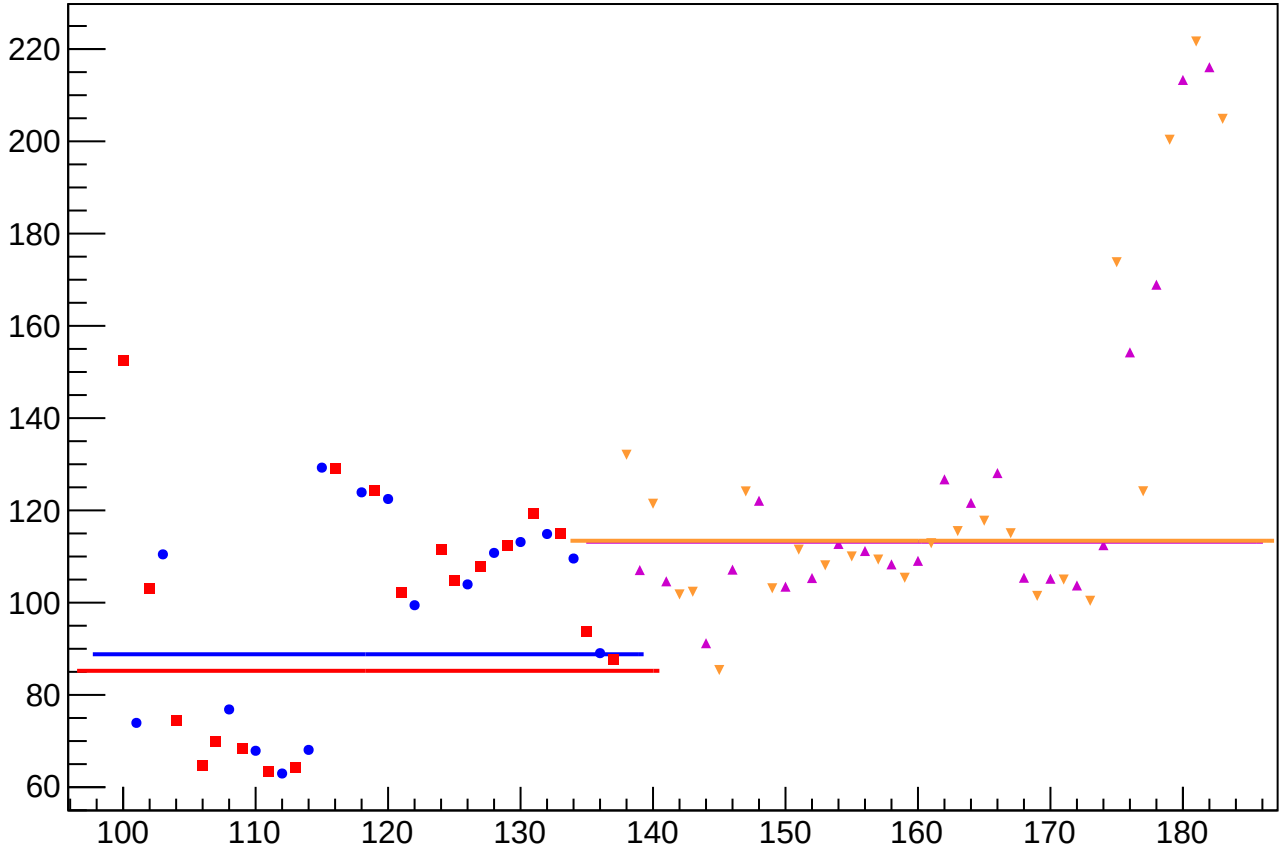
Left In: -60.064+/-27.424 χ^2/NDF:26.4/21

+ sign 13.516+/-21.051 χ^2/NDF: 31.9/39

All: -28.273+/-14.866 χ^2/NDF: 85.5/80

- sign -69.838+/-20.995 χ^2/NDF: 45.7/40

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 113.418+/-0.019 χ^2/NDF:1529998.2/23

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

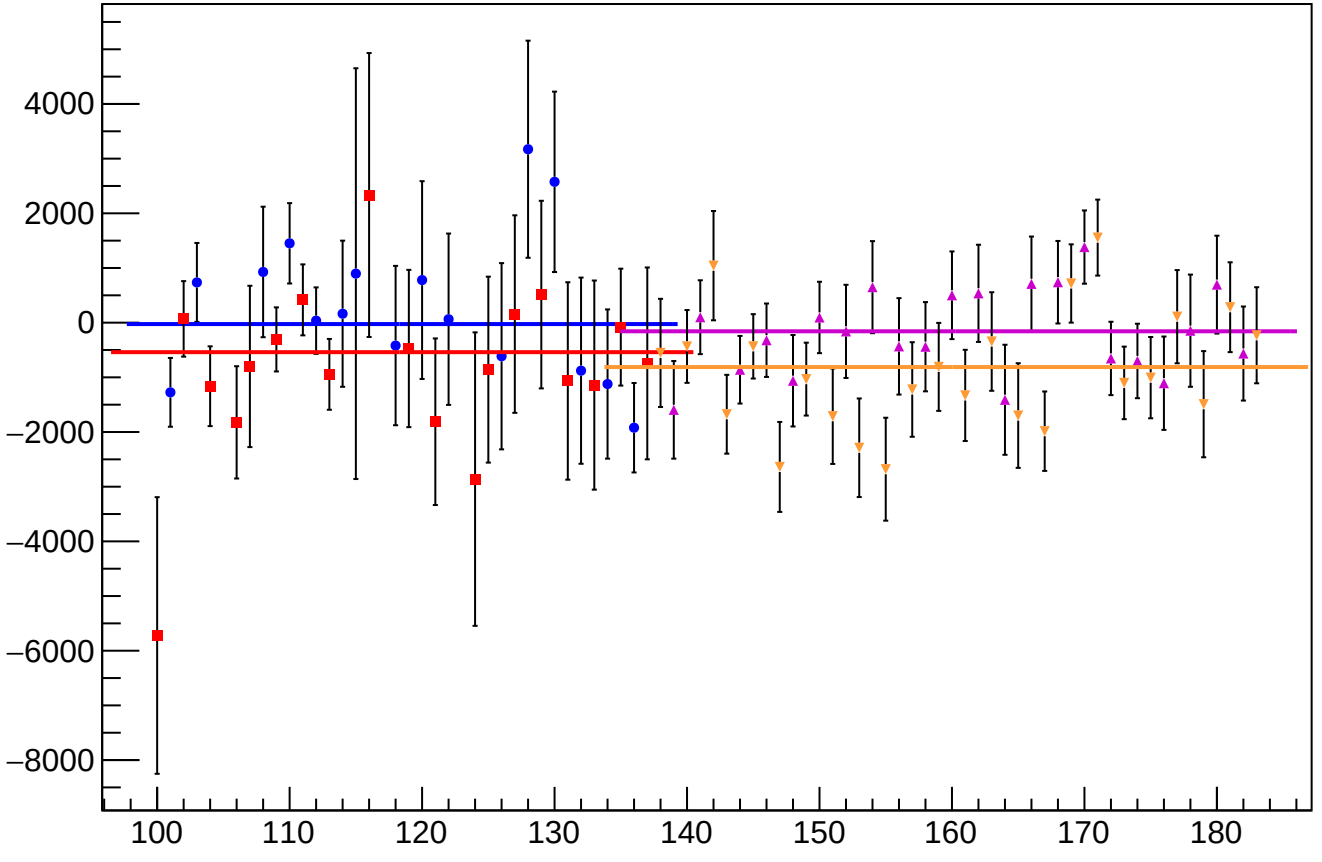
Left In: 113.208+/-0.019 χ^2/NDF:1222058.5/21

+ sign 104.070+/-0.015 χ^2/NDF: 2898268.9/39

All: 102.844+/-0.011 χ^2/NDF: 5879839.5/80

- sign 101.625+/-0.015 χ^2/NDF: 2968045.5/40

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -811.982+/-161.489 χ^2/NDF:43.0/23

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

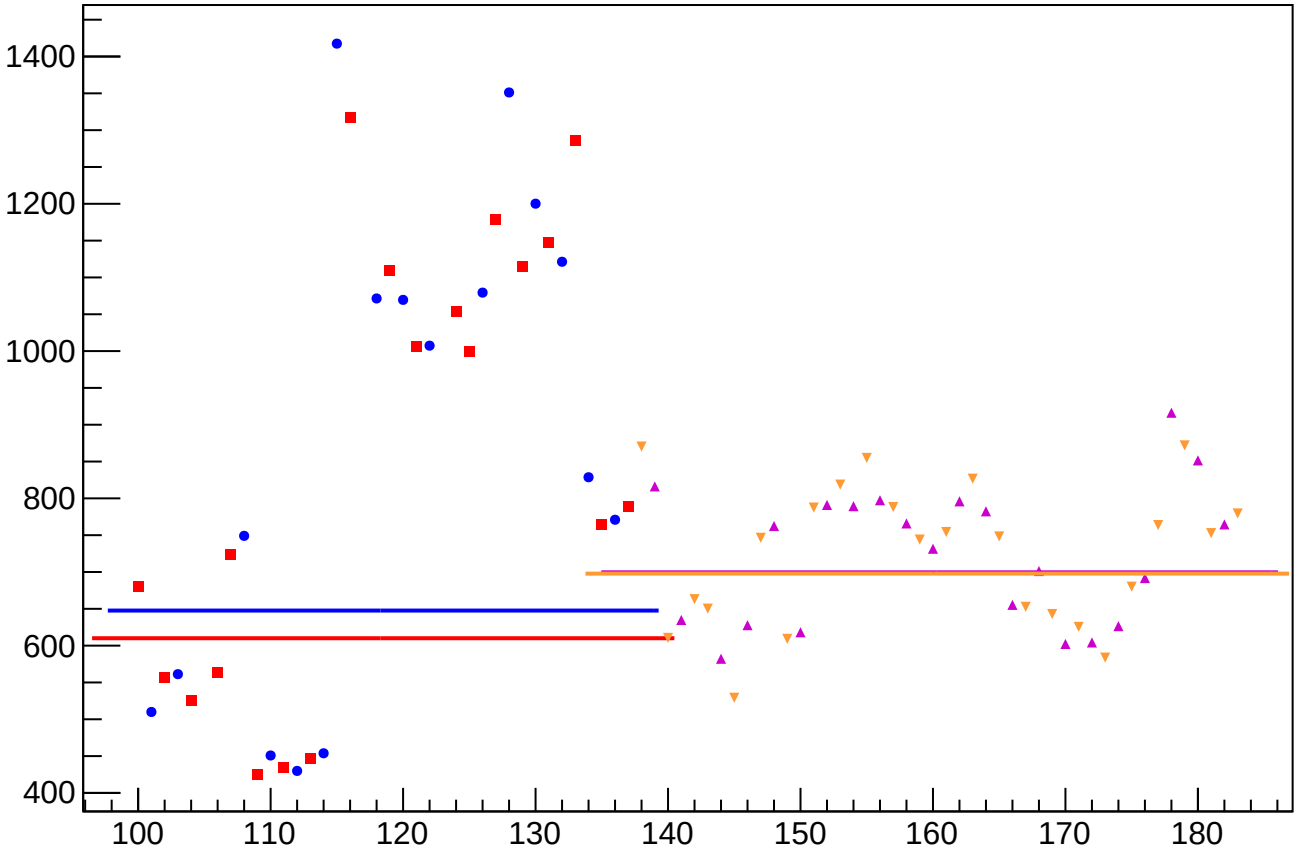
Left In: -157.824+/-166.521 χ^2/NDF:20.6/21

+ sign -592.384+/-137.093 χ^2/NDF: 71.2/39

All: -436.654+/-96.922 χ^2/NDF: 109.8/80

- sign -281.040+/-137.042 χ^2/NDF: 36.0/40

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 697.803+/-0.114 χ^2/NDF:713523.5/23

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

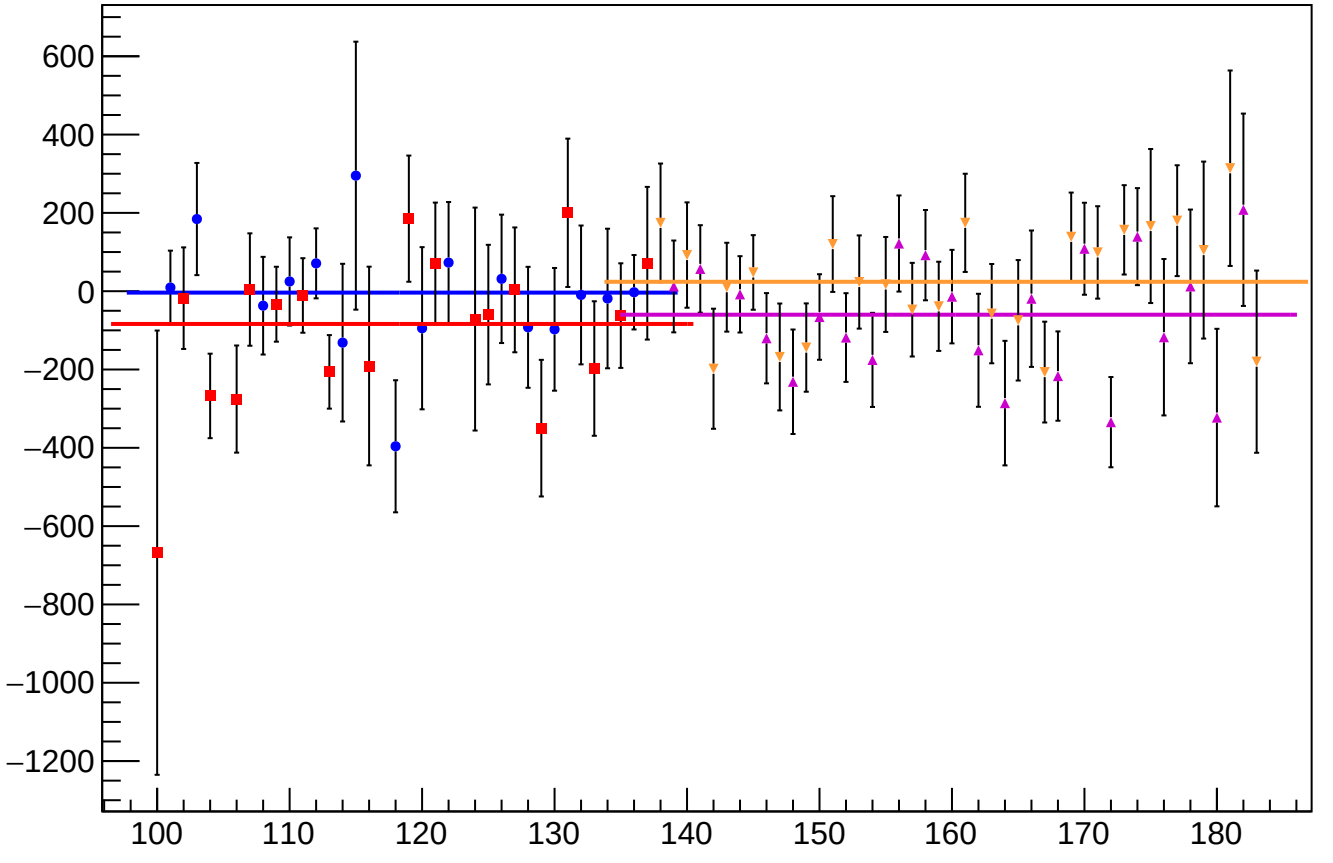
Left In: 699.584+/-0.118 χ^2/NDF:583151.6/21

\+ sign 683.792+/-0.097 χ^2/NDF: 2655239.2/39

All: 677.240+/-0.069 χ^2/NDF: 5508316.2/80

\- sign 670.694+/-0.097 χ^2/NDF: 2843945.1/40

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 24.027+/-26.734 χ^2/NDF:21.1/23

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

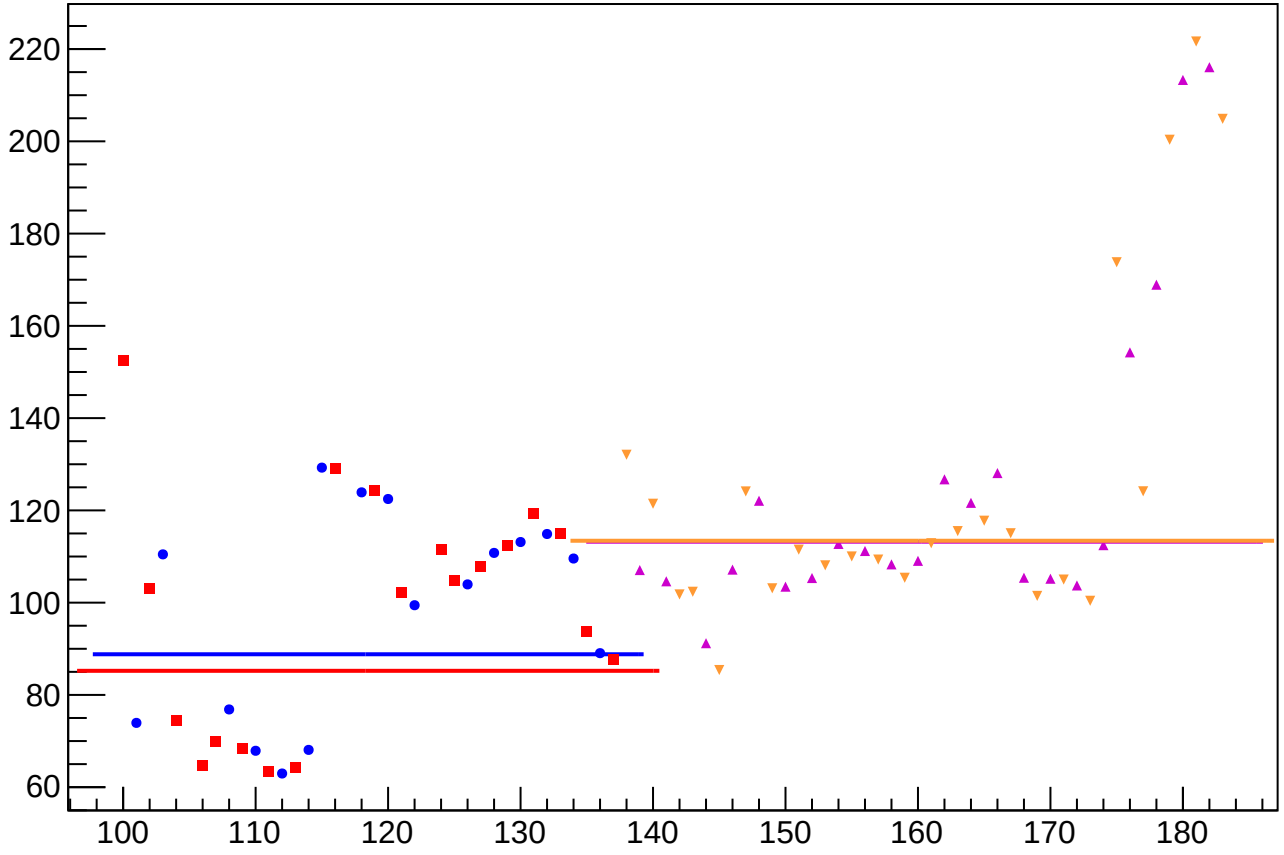
Left In: -60.064+/-27.424 χ^2/NDF:26.4/21

+ sign 13.518+/-21.051 χ^2/NDF: 31.9/39

All: -28.272+/-14.866 χ^2/NDF: 85.5/80

- sign -69.837+/-20.995 χ^2/NDF: 45.7/40

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 113.418+/-0.019 χ^2/NDF:1529990.2/23

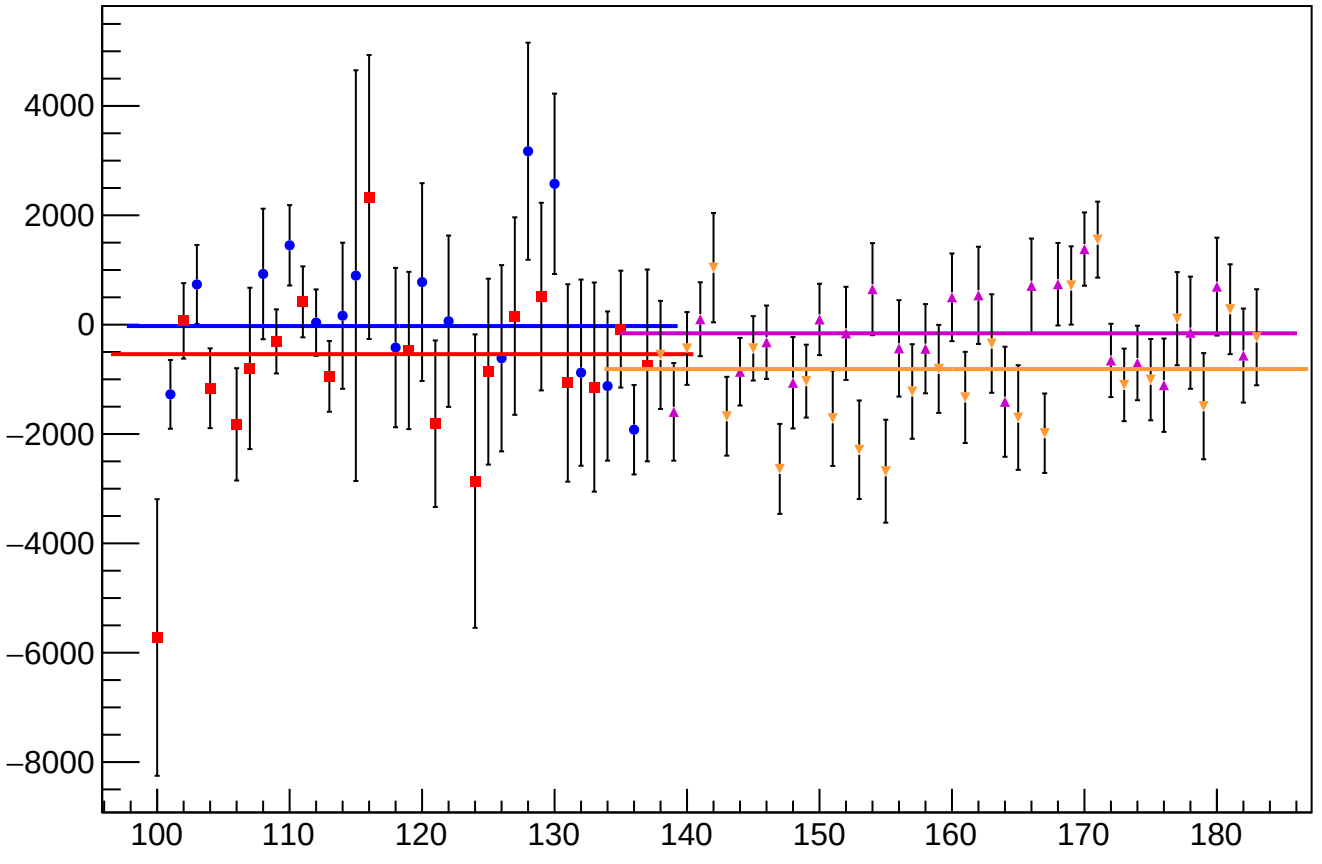
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 113.208+/-0.019 χ^2/NDF:1222037.1/21

+ sign 104.070+/-0.015 χ^2/NDF: 2898268.0/39

All: 102.844+/-0.011 χ^2/NDF: 5879830.5/80

- sign 101.625+/-0.015 χ^2/NDF: 2968037.4/40



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -811.980+/-161.489 χ^2/NDF:43.0/23

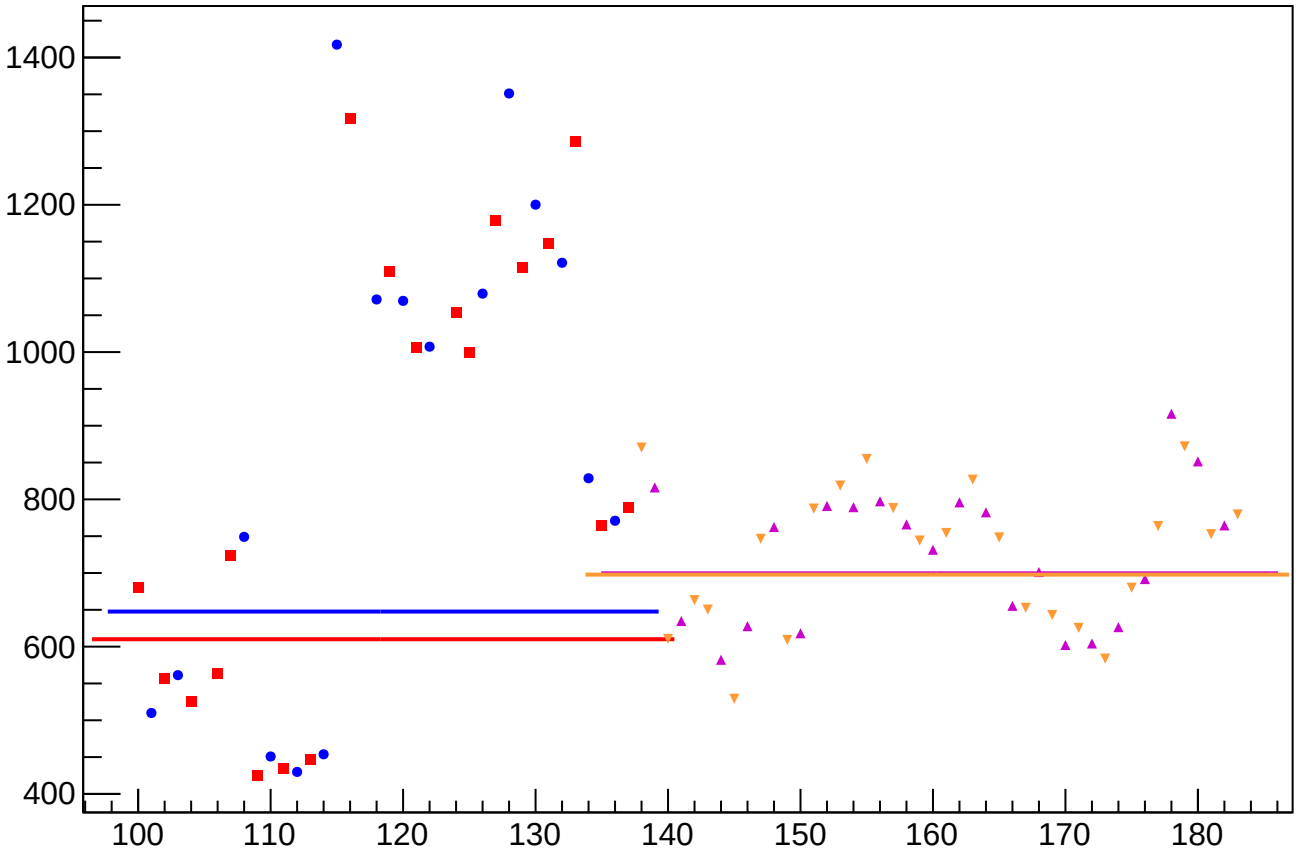
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -157.823+/-166.521 χ^2/NDF:20.6/21

+ sign -592.383+/-137.093 χ^2/NDF: 71.2/39

All: -436.653+/-96.922 χ^2/NDF: 109.8/80

- sign -281.039+/-137.042 χ^2/NDF: 36.0/40



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 697.802+/-0.114 χ^2/NDF:713521.9/23

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

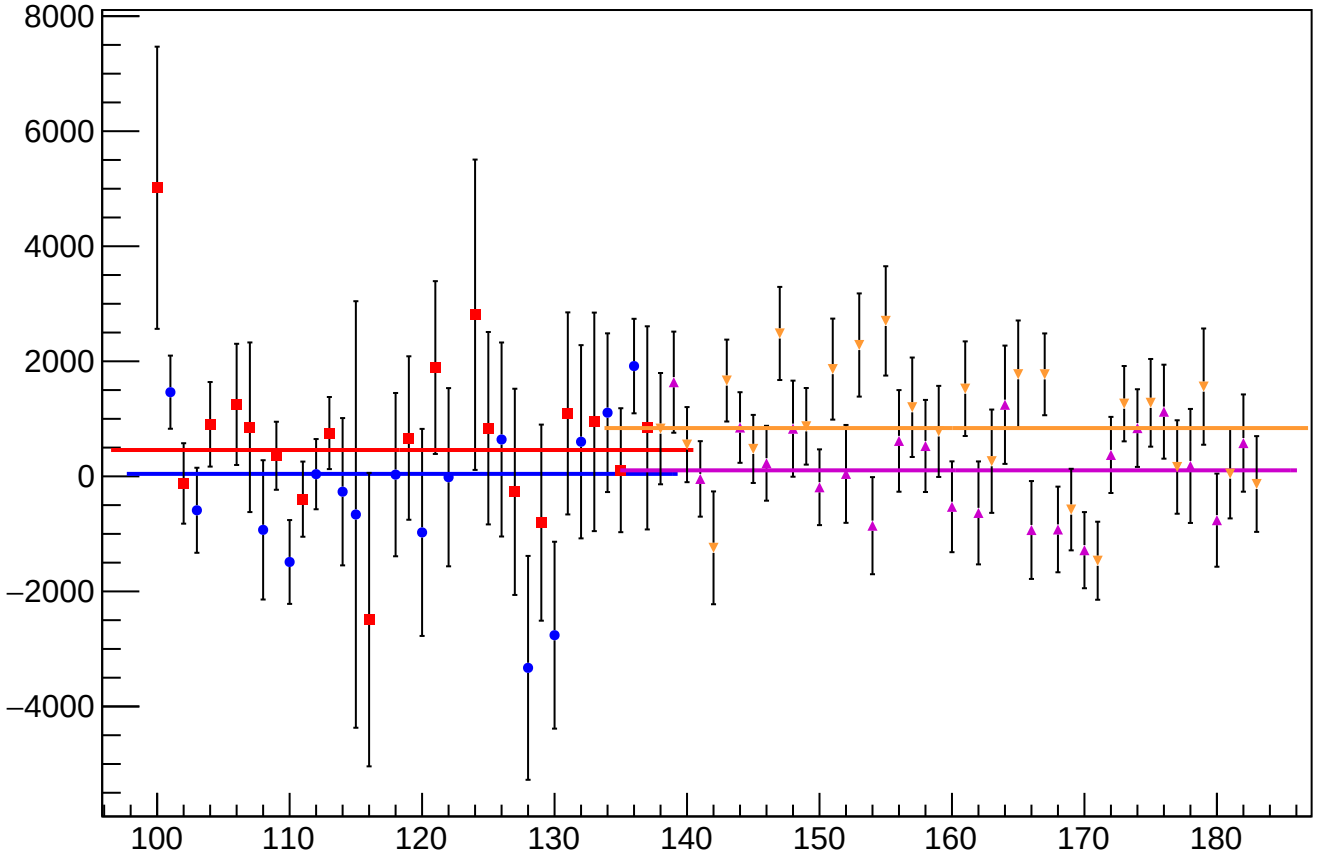
Left In: 699.584+/-0.118 χ^2/NDF:583147.1/21

+ sign 683.791+/-0.097 χ^2/NDF: 2655242.4/39

All: 677.240+/-0.069 χ^2/NDF: 5508318.3/80

- sign 670.693+/-0.097 χ^2/NDF: 2843944.2/40

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 839.525+/-159.532 χ^2/NDF:42.3/23

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

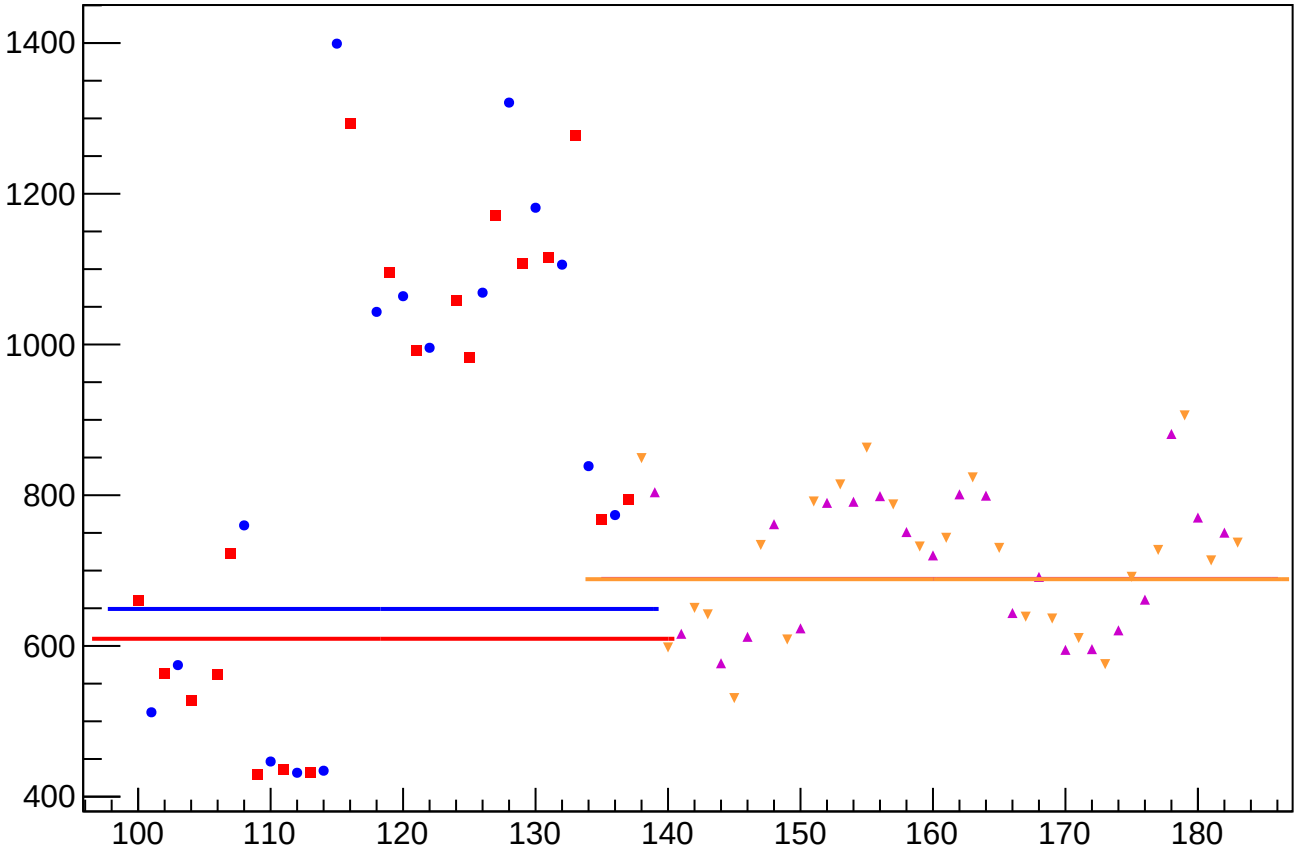
Left In: 104.749+/-163.982 χ^2/NDF:22.2/21

+ sign 621.460+/-135.946 χ^2/NDF: 72.3/39

All: 418.456+/-96.004 χ^2/NDF: 111.7/80

- sign 216.499+/-135.595 χ^2/NDF: 34.9/40

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 688.584+/-0.113 χ^2/NDF:719841.0/23

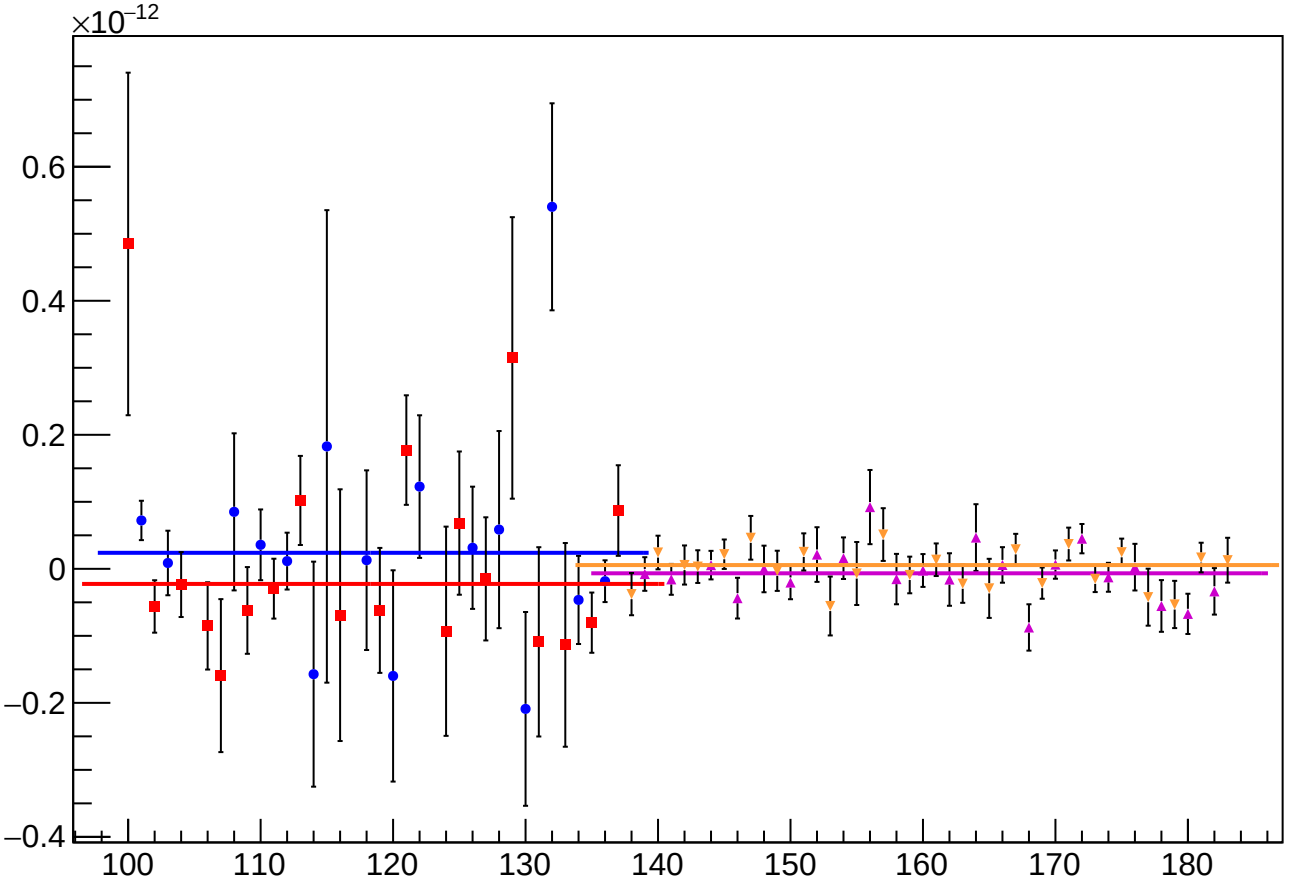
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 688.949+/-0.116 χ^2/NDF:560996.9/21

+ sign 677.770+/-0.096 χ^2/NDF: 2599219.7/39

All: 670.781+/-0.068 χ^2/NDF: 5362764.1/80

- sign 663.829+/-0.096 χ^2/NDF: 2753000.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/23

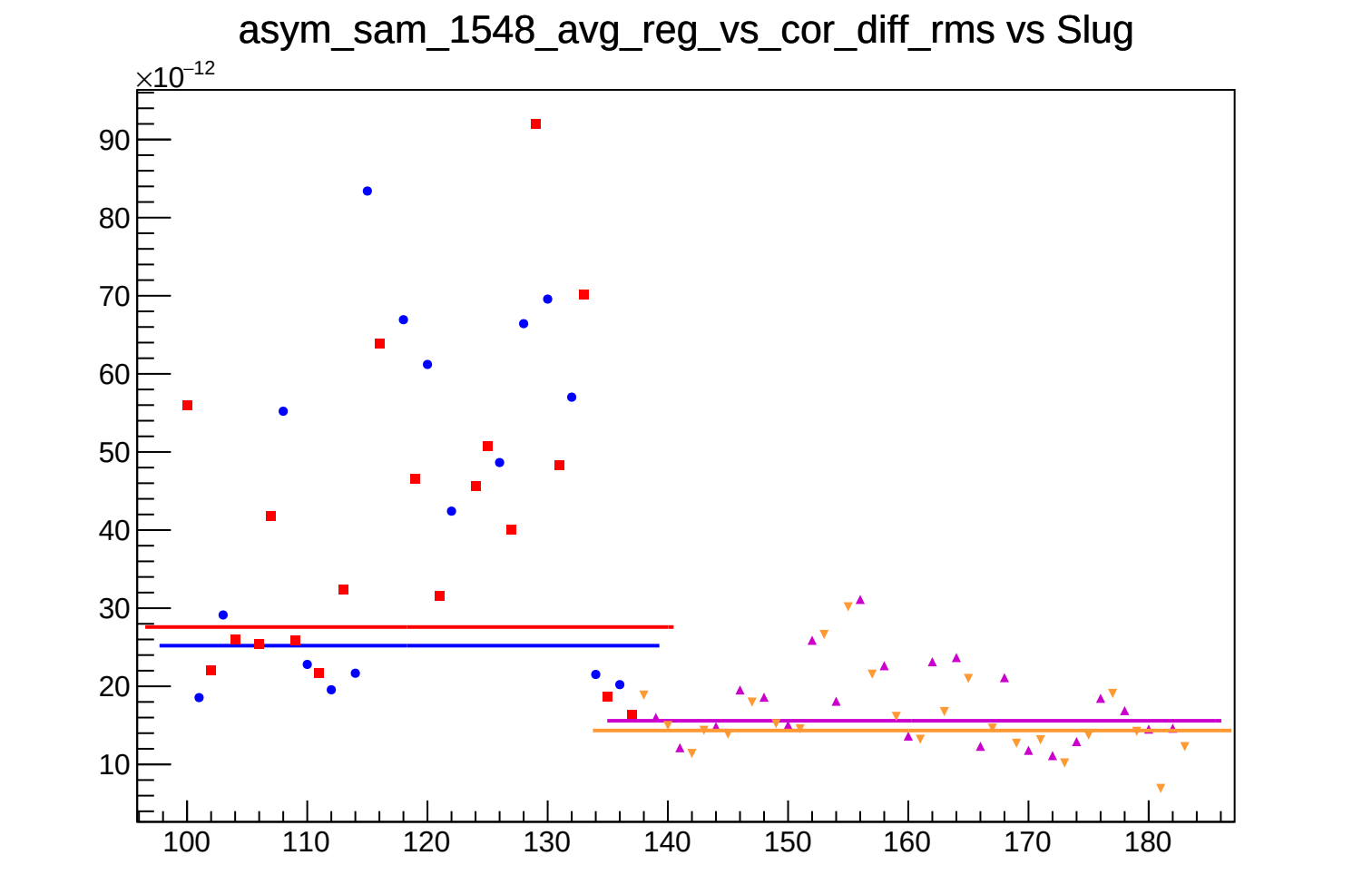
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:25.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/39

All: 0.000+/-0.000 χ^2/NDF: 102.5/80

- sign -0.000+/-0.000 χ^2/NDF: 52.3/40


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
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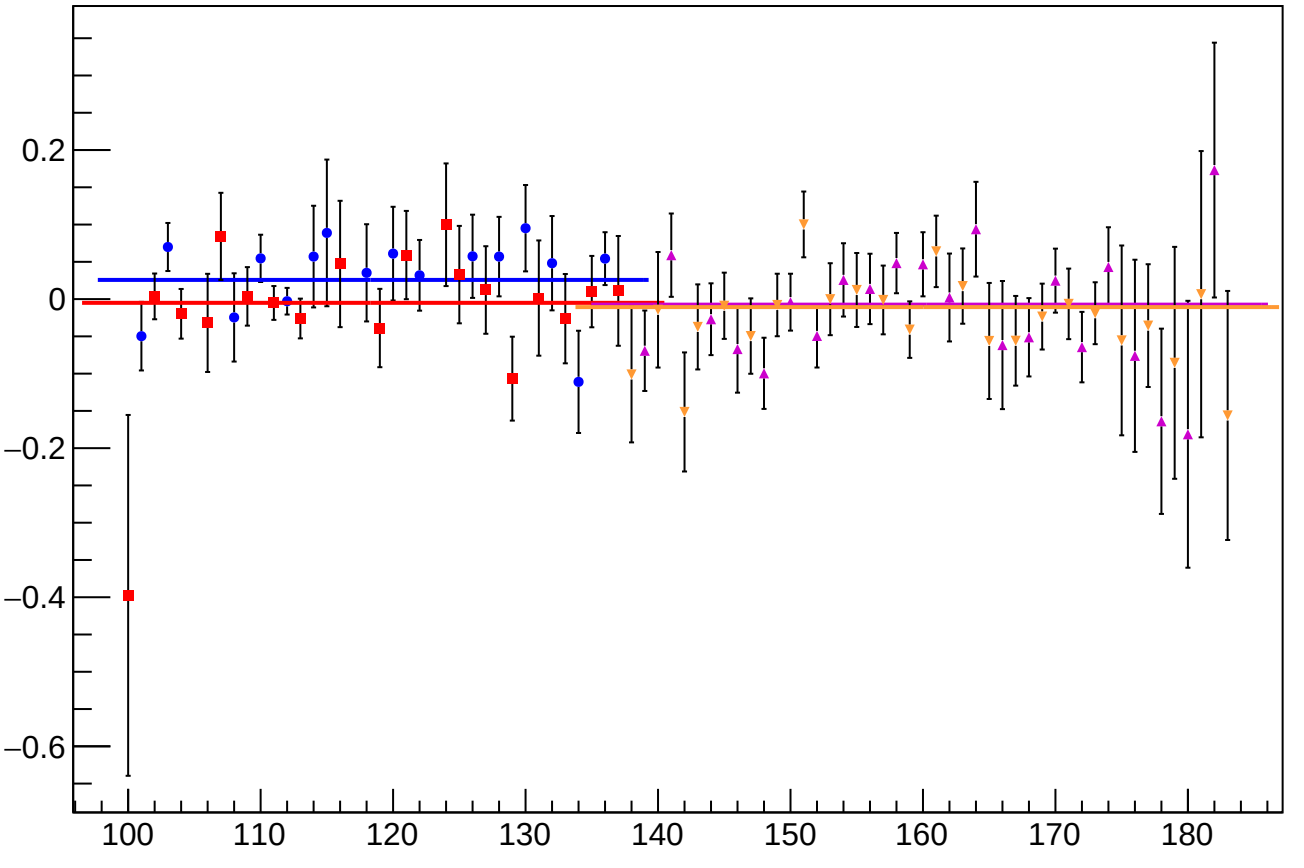
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:976771.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:884893.6/21
+ sign 0.000+/-0.000 χ²/NDF: 3187197.9/39
All: 0.000+/-0.000 χ²/NDF: 6074122.4/80
- sign 0.000+/-0.000 χ²/NDF: 2819743.7/40



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

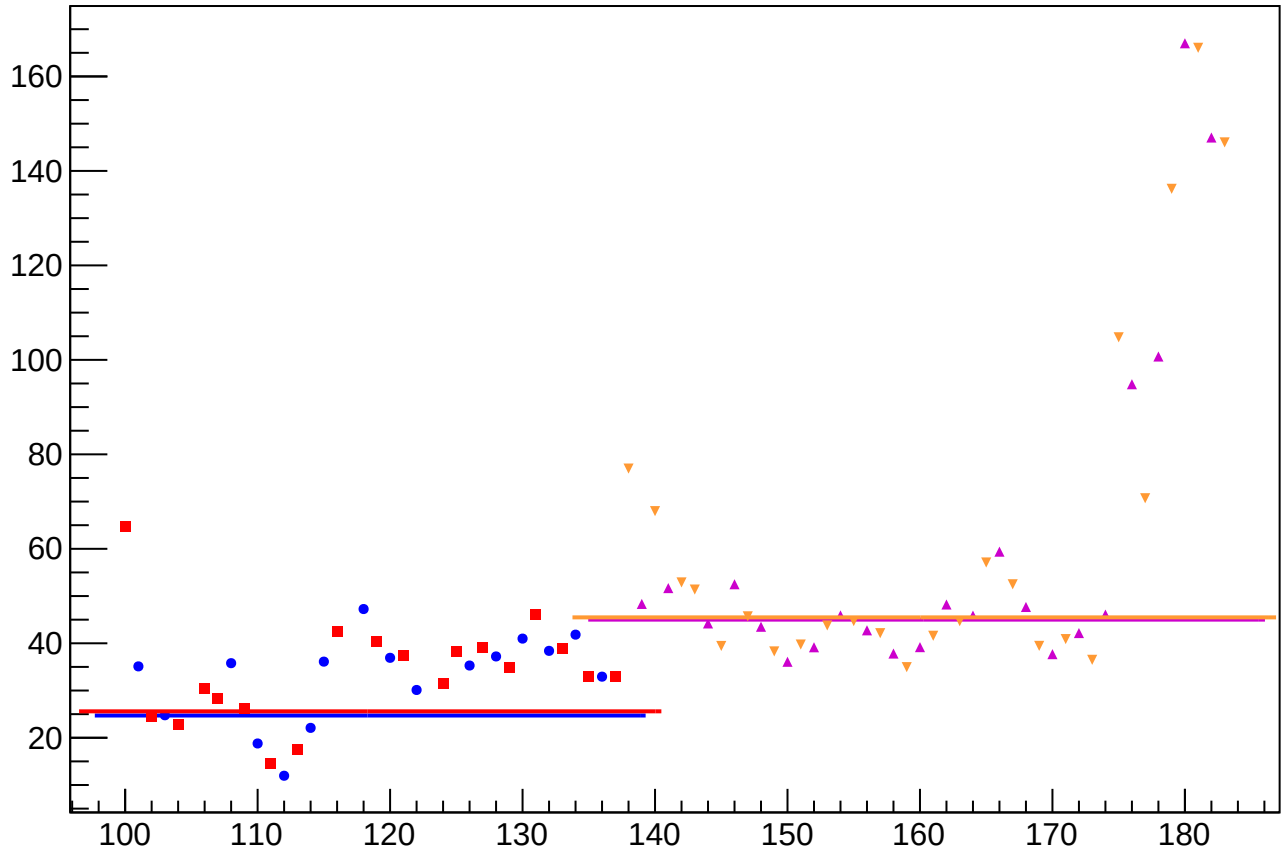
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.011 χ^2/NDF:23.3/21

+ sign 0.009+/-0.008 χ^2/NDF: 39.3/39

All: 0.002+/-0.005 χ^2/NDF: 78.2/80

- sign -0.006+/-0.008 χ^2/NDF: 36.9/40



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.486+/-0.008 χ^2/NDF:3793353.1/23

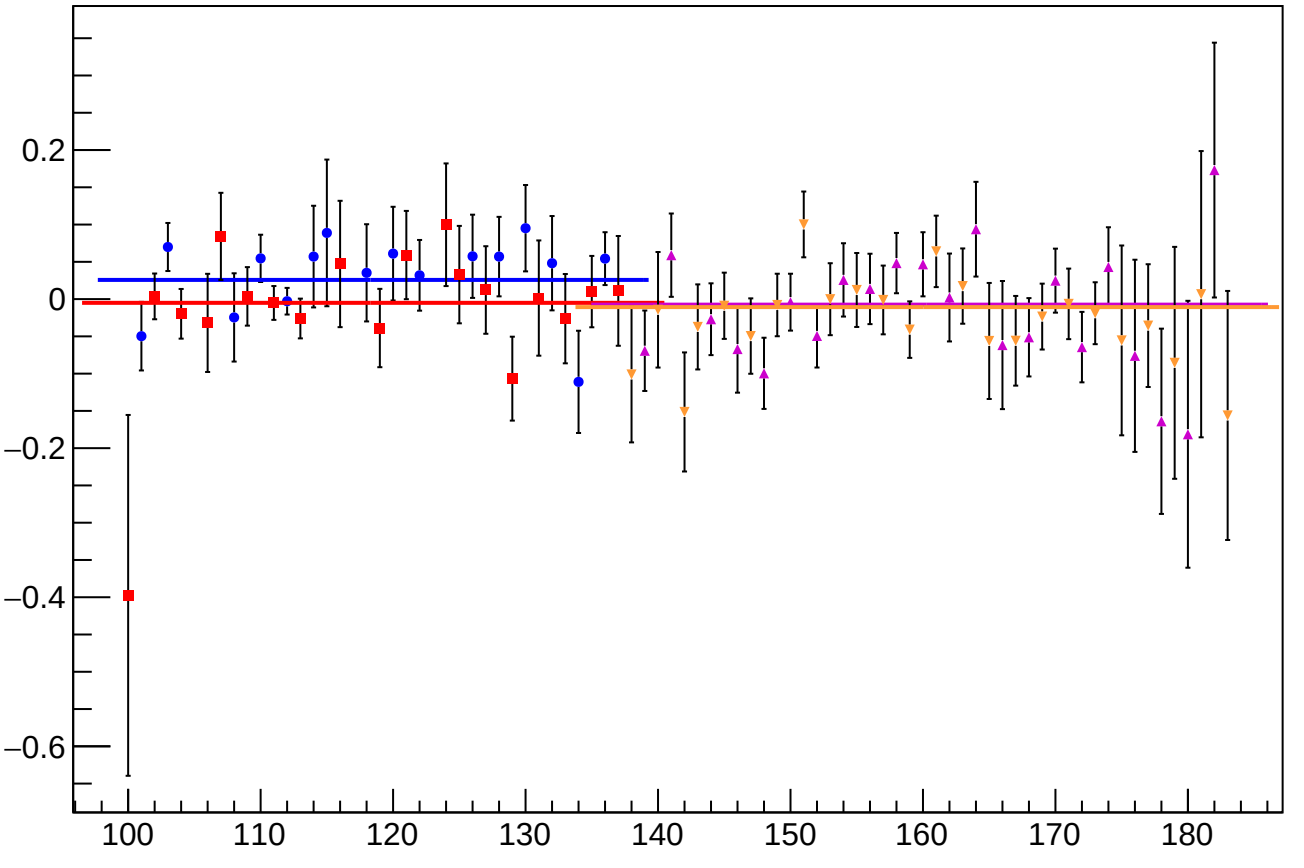
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 45.011+/-0.008 χ^2/NDF:2799513.3/21

+ sign 34.209+/-0.005 χ^2/NDF: 9767229.7/39

All: 34.273+/-0.004 χ^2/NDF: 17341417.8/80

- sign 34.338+/-0.005 χ^2/NDF: 7573907.5/40



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

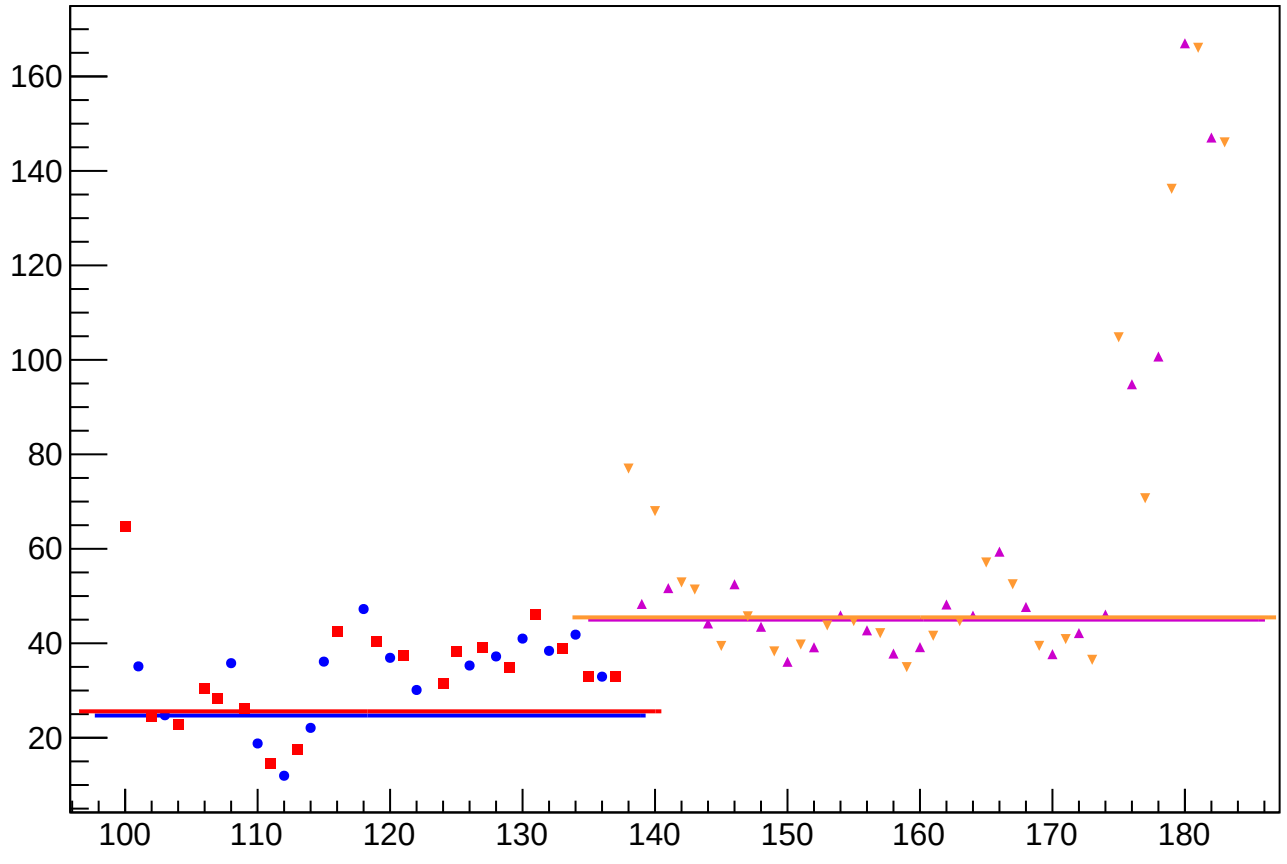
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.011 χ^2/NDF:23.3/21

+ sign 0.009+/-0.008 χ^2/NDF: 39.3/39

All: 0.002+/-0.005 χ^2/NDF: 78.2/80

- sign -0.006+/-0.008 χ^2/NDF: 36.9/40



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.486+/-0.008 χ^2/NDF:3793353.1/23

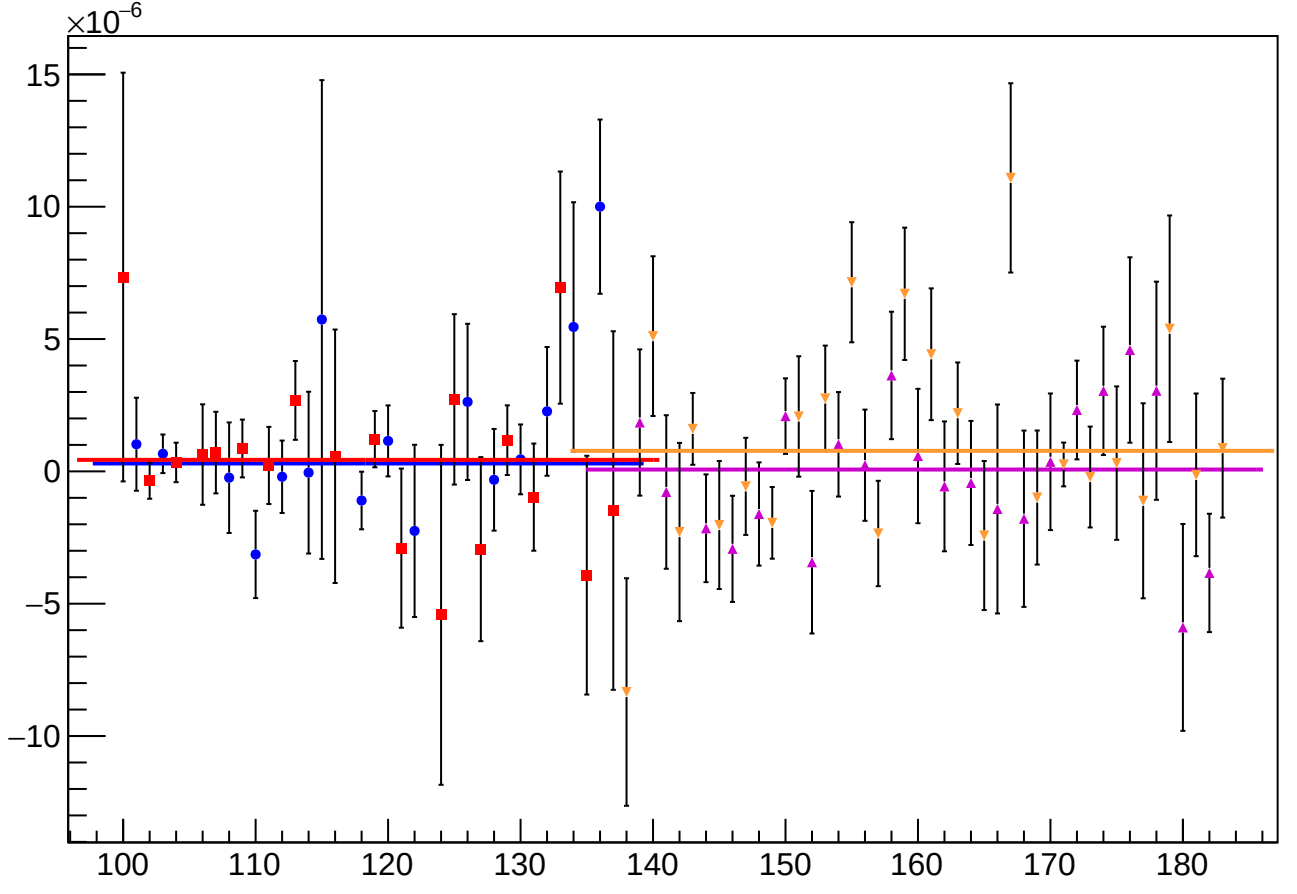
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 45.011+/-0.008 χ^2/NDF:2799513.3/21

+ sign 34.209+/-0.005 χ^2/NDF: 9767229.7/39

All: 34.273+/-0.004 χ^2/NDF: 17341417.8/80

- sign 34.338+/-0.005 χ^2/NDF: 7573907.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.9/23

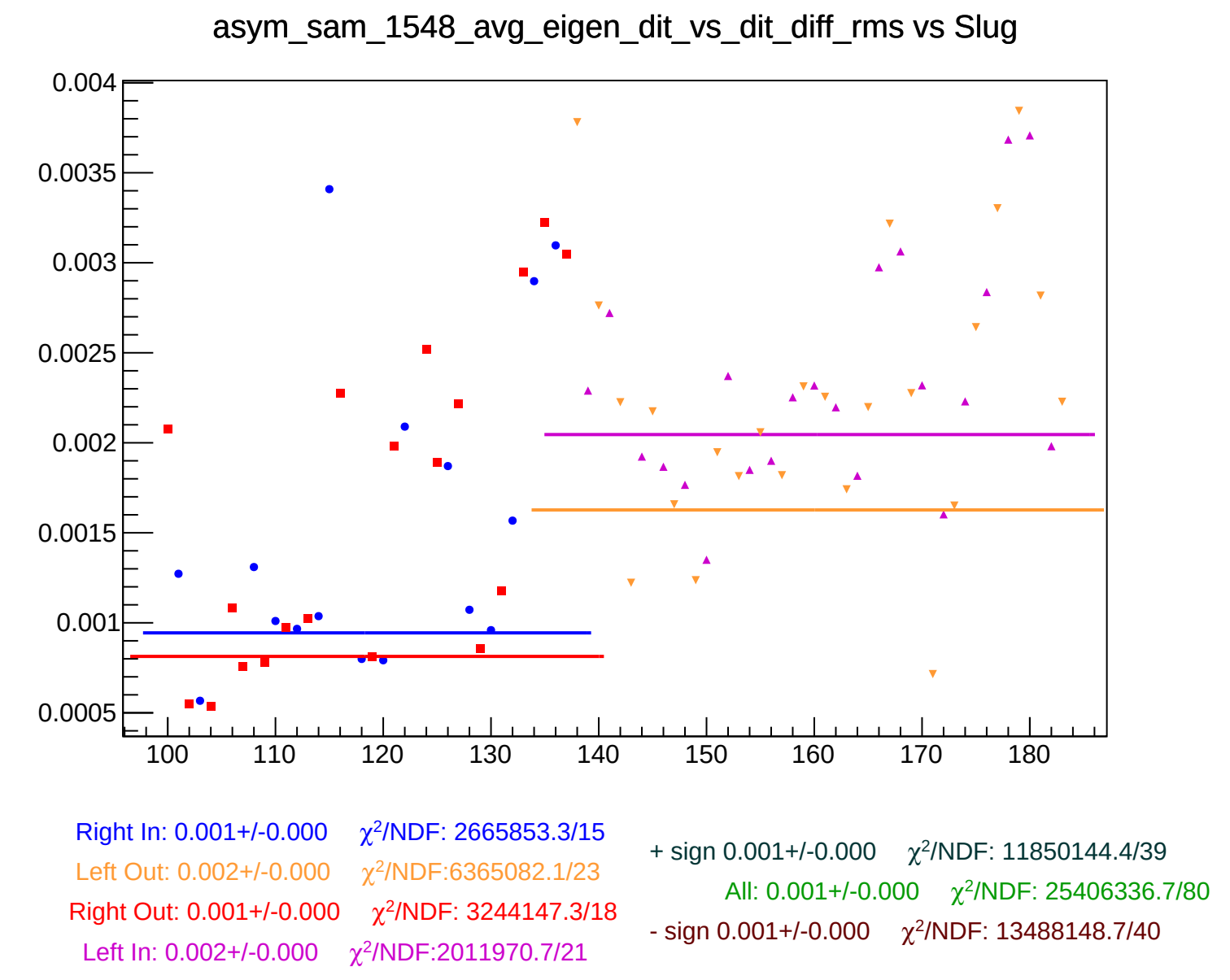
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/39

All: 0.000+/-0.000 χ^2/NDF: 101.2/80

- sign 0.000+/-0.000 χ^2/NDF: 35.0/40


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
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0.003
0.0025
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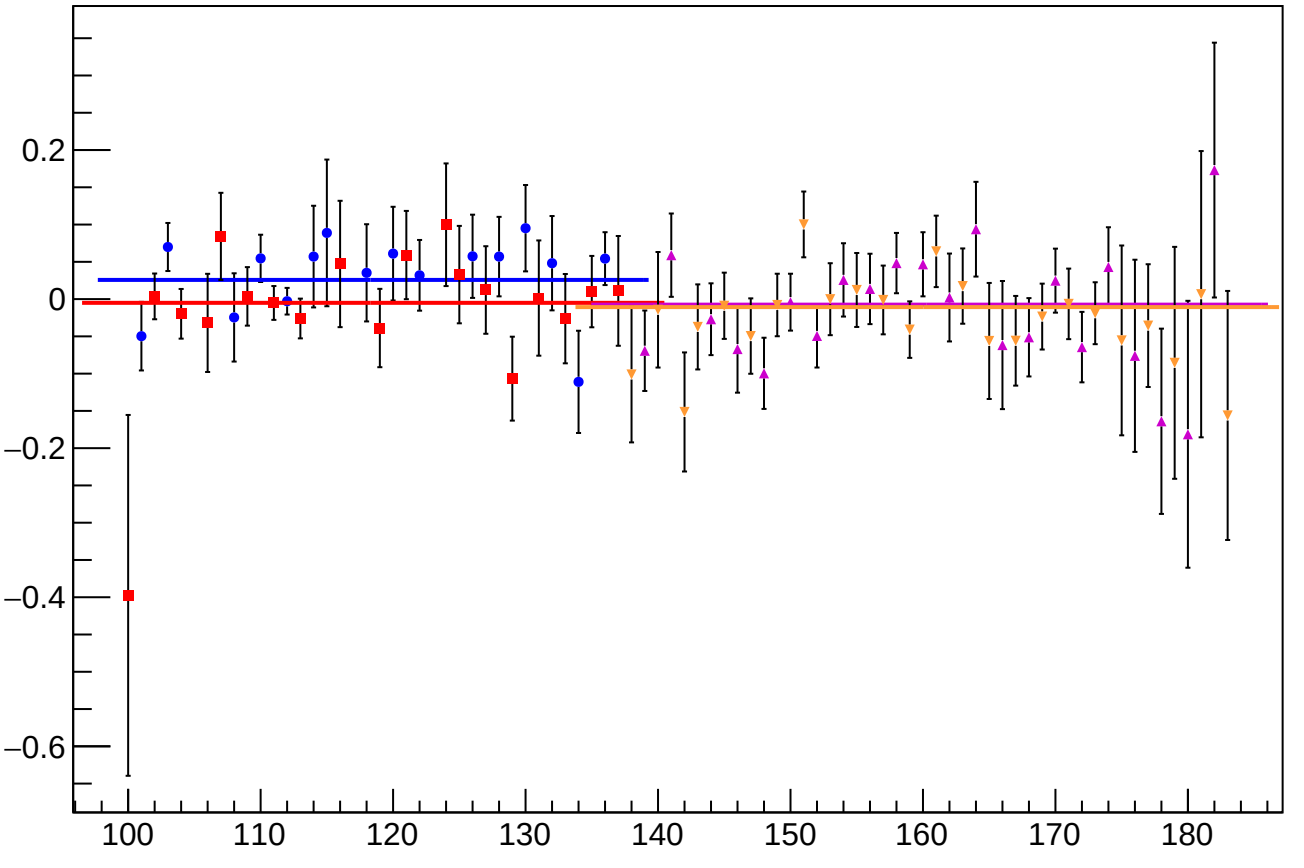
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:6365082.1/23
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:2011970.7/21
+ sign 0.001+/-0.000 χ²/NDF: 11850144.4/39
All: 0.001+/-0.000 χ²/NDF: 25406336.7/80
- sign 0.001+/-0.000 χ²/NDF: 13488148.7/40



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

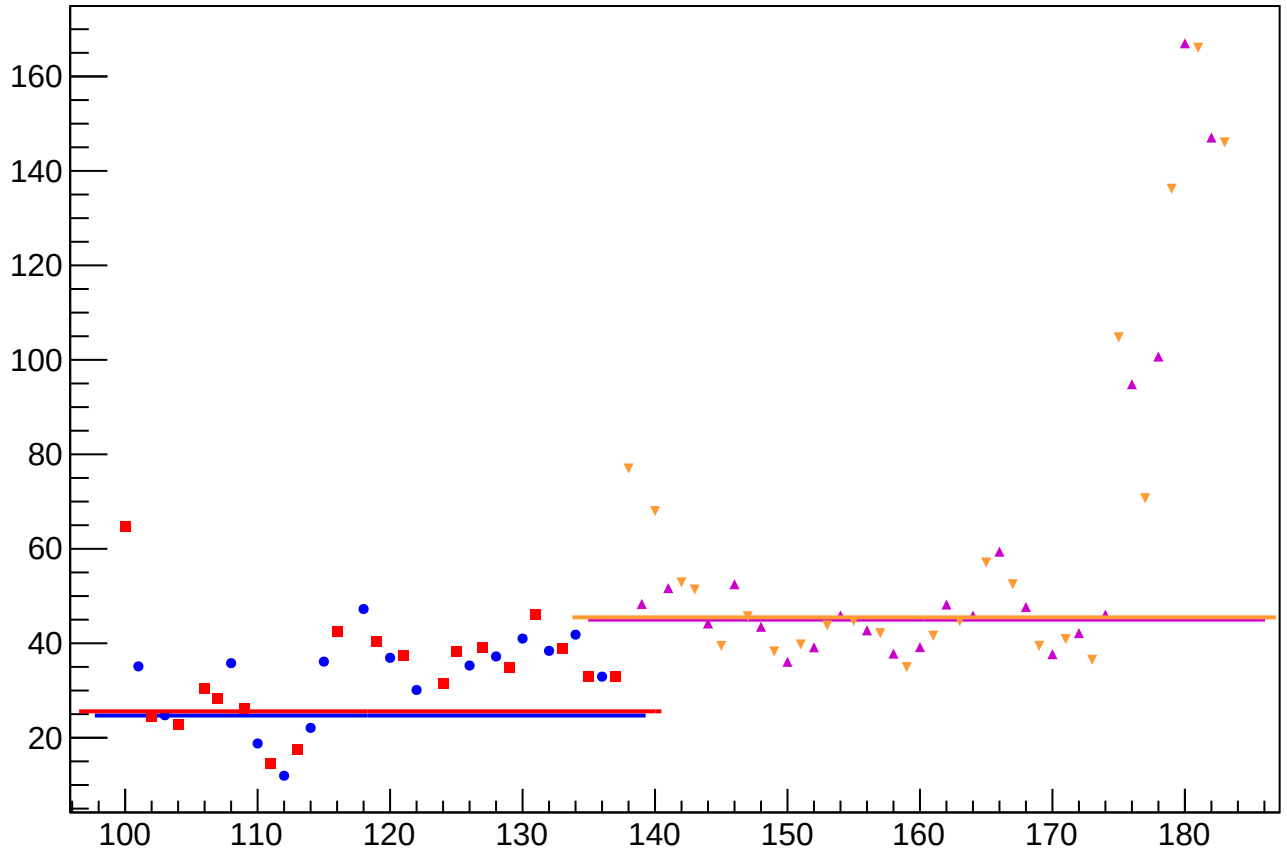
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.011 χ^2/NDF:23.3/21

+ sign 0.009+/-0.008 χ^2/NDF: 39.3/39

All: 0.002+/-0.005 χ^2/NDF: 78.2/80

- sign -0.006+/-0.008 χ^2/NDF: 36.9/40



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.487+/-0.008 χ^2/NDF:3793281.8/23

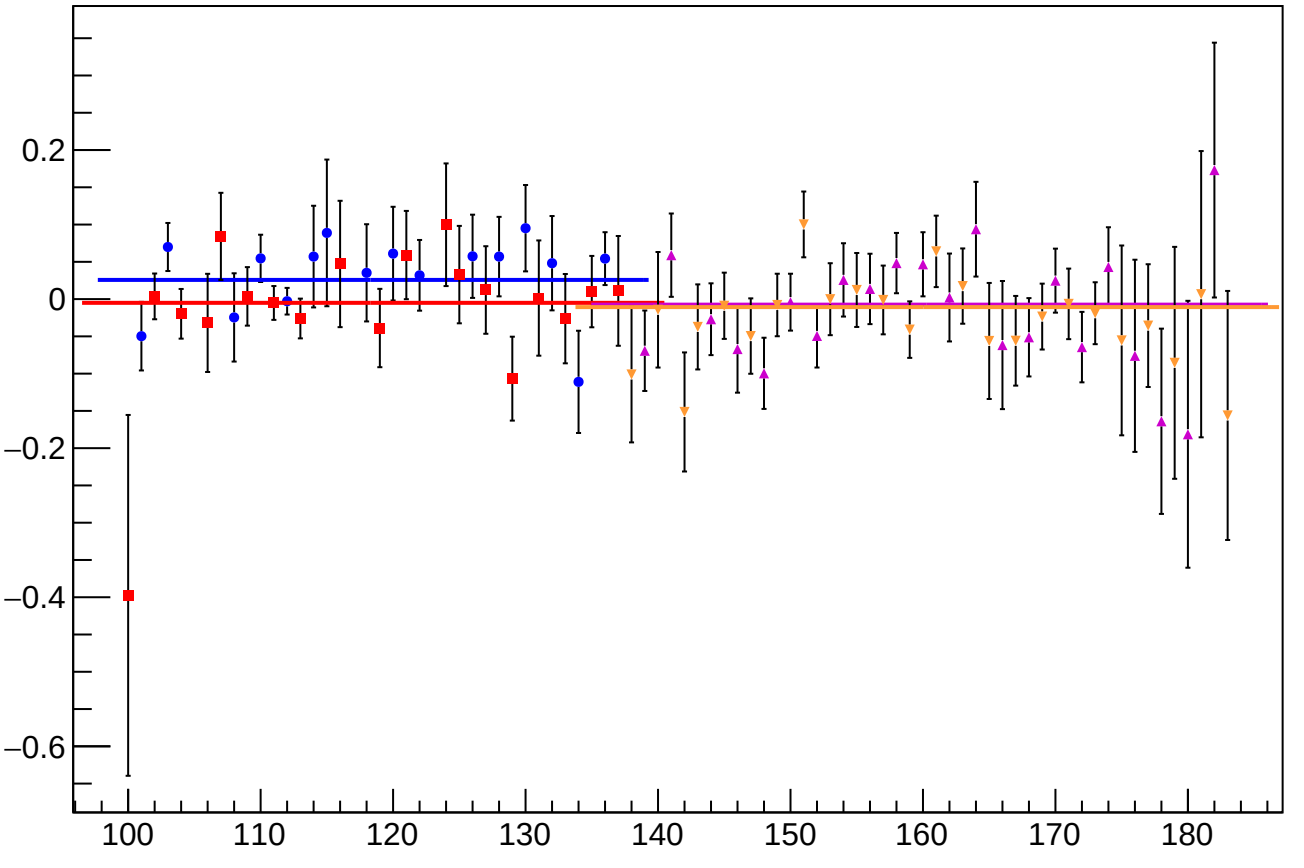
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.011+/-0.008 χ^2/NDF:2799428.7/21

+ sign 34.209+/-0.005 χ^2/NDF: 9767690.6/39

All: 34.273+/-0.004 χ^2/NDF: 17342222.2/80

- sign 34.337+/-0.005 χ^2/NDF: 7574250.3/40



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

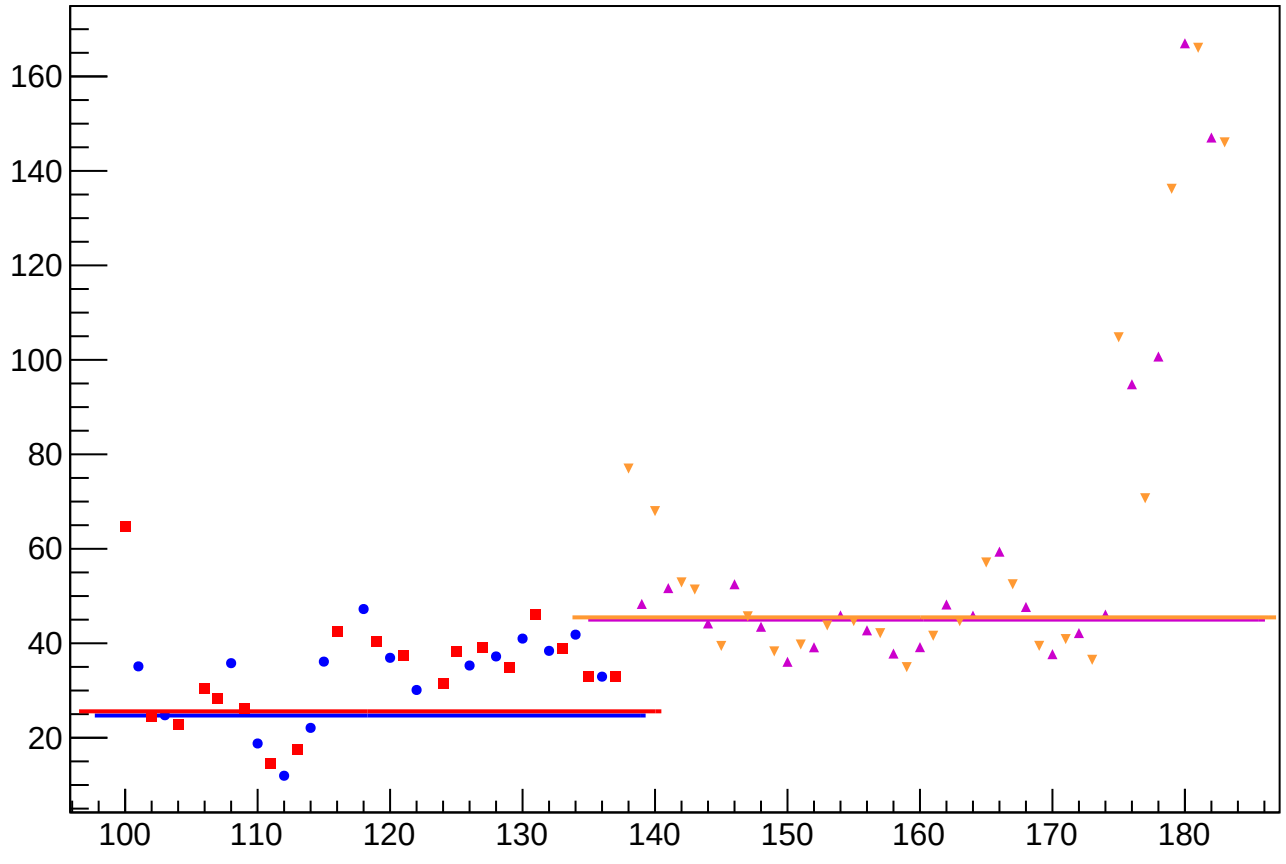
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.011 χ^2/NDF:23.3/21

+ sign 0.009+/-0.008 χ^2/NDF: 39.3/39

All: 0.002+/-0.005 χ^2/NDF: 78.2/80

- sign -0.006+/-0.008 χ^2/NDF: 36.9/40



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.487+/-0.008 χ^2/NDF:3793281.8/23

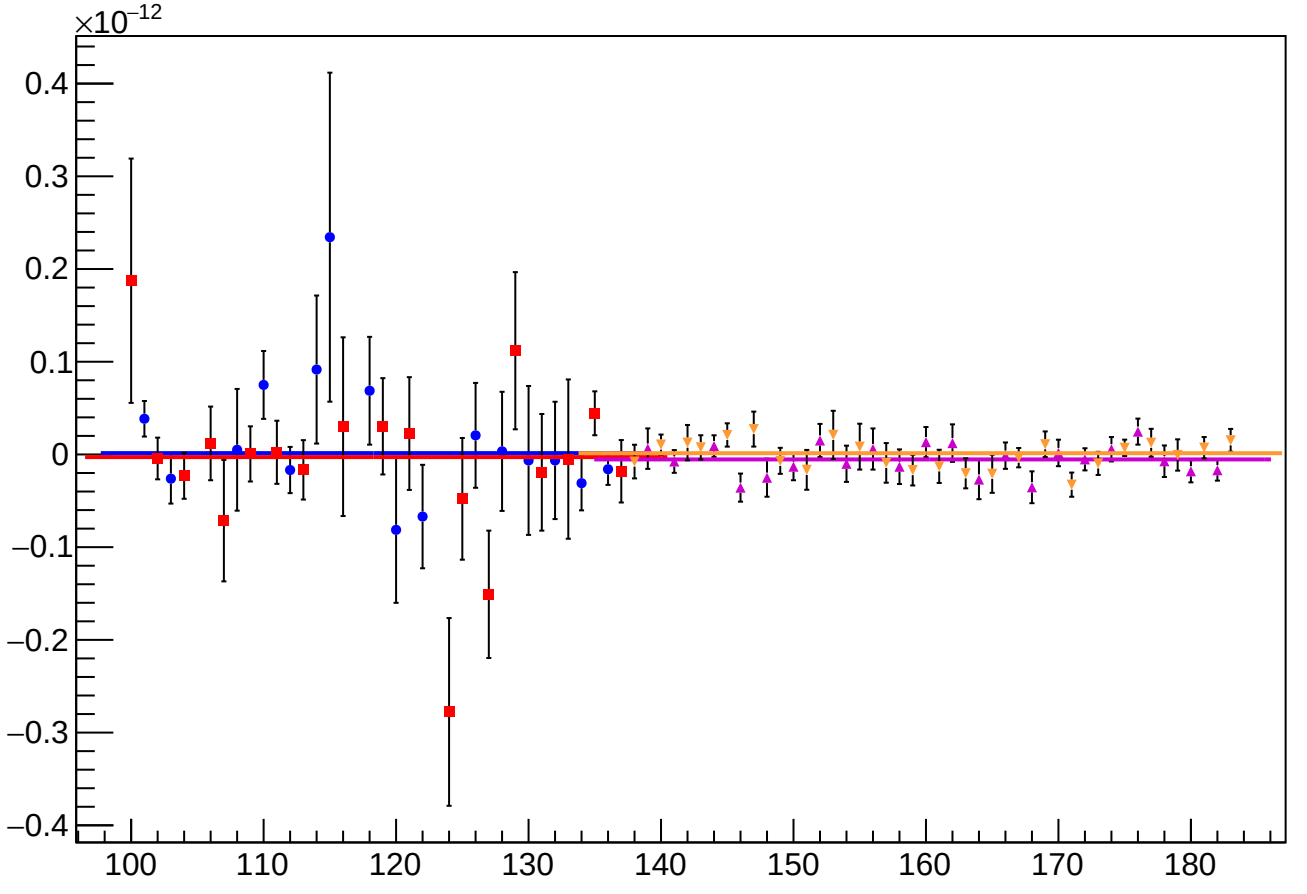
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.011+/-0.008 χ^2/NDF:2799428.7/21

+ sign 34.209+/-0.005 χ^2/NDF: 9767690.6/39

All: 34.273+/-0.004 χ^2/NDF: 17342222.2/80

- sign 34.337+/-0.005 χ^2/NDF: 7574250.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/23

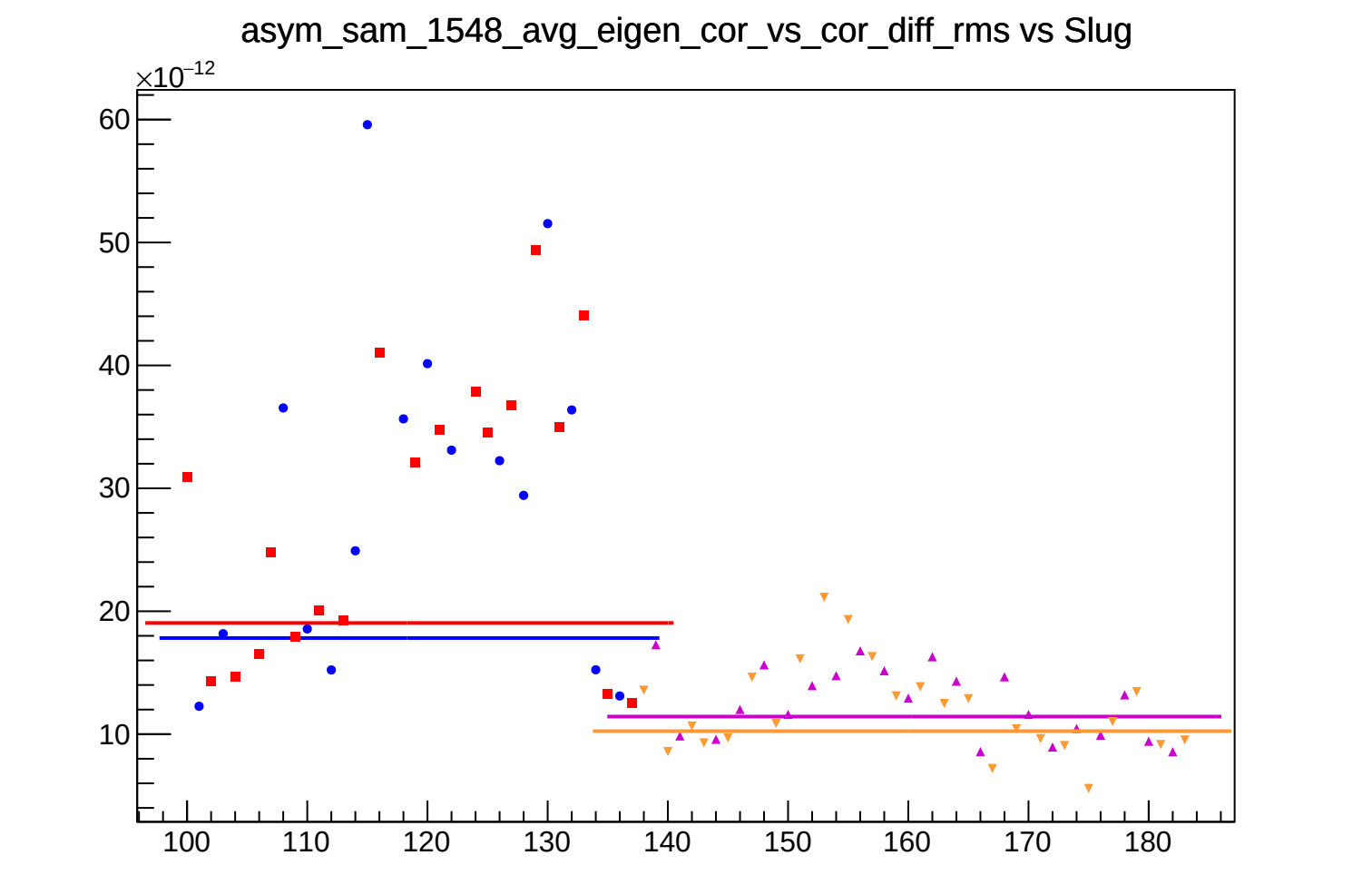
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:22.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 42.2/39

All: -0.000+/-0.000 χ^2/NDF: 91.1/80

- sign -0.000+/-0.000 χ^2/NDF: 46.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2243464.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

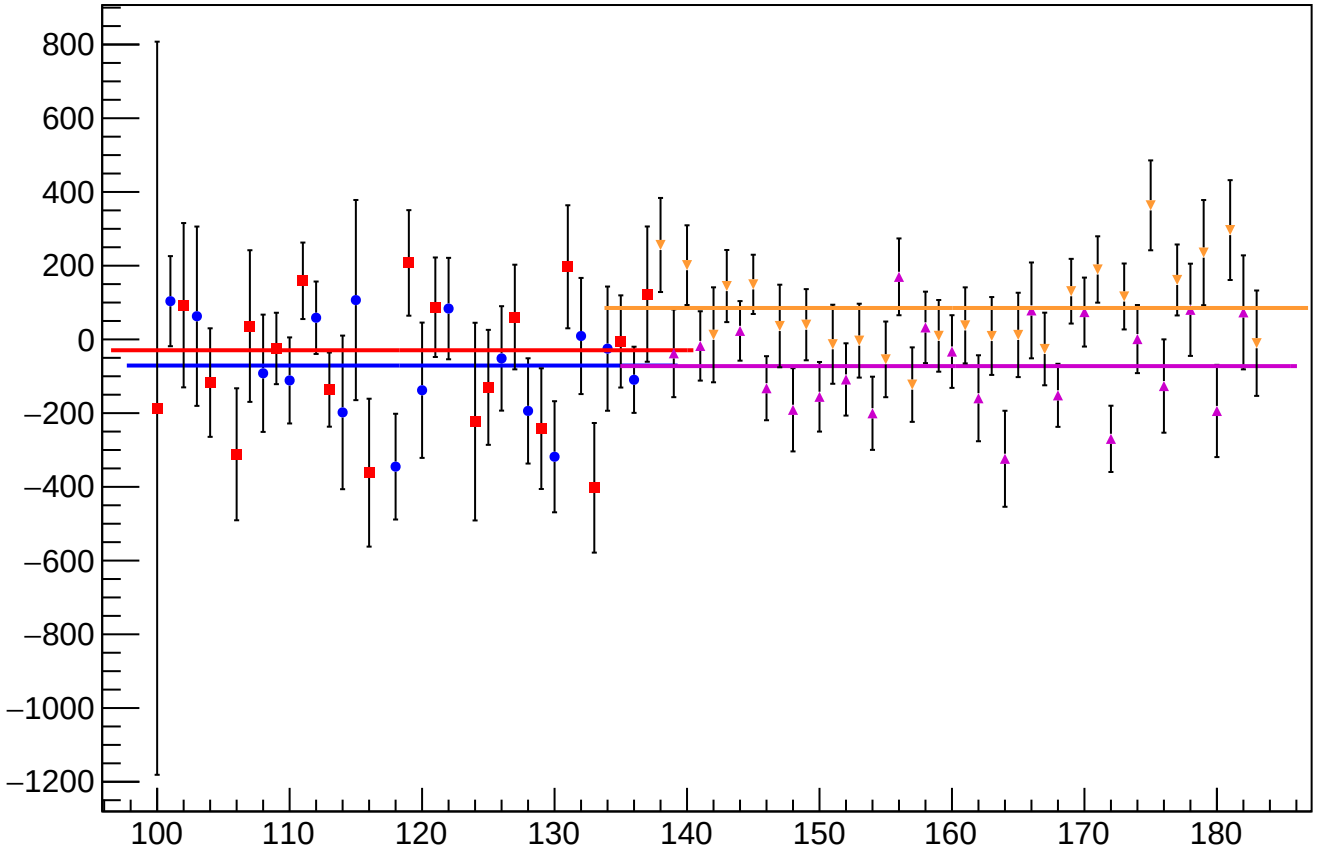
Left In: 0.000+/-0.000 χ^2/NDF:1256760.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 5481670.3/39

All: 0.000+/-0.000 χ^2/NDF: 9779359.1/80

- sign 0.000+/-0.000 χ^2/NDF: 4112133.6/40

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 85.275+/-21.282 χ^2/NDF:27.0/23

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

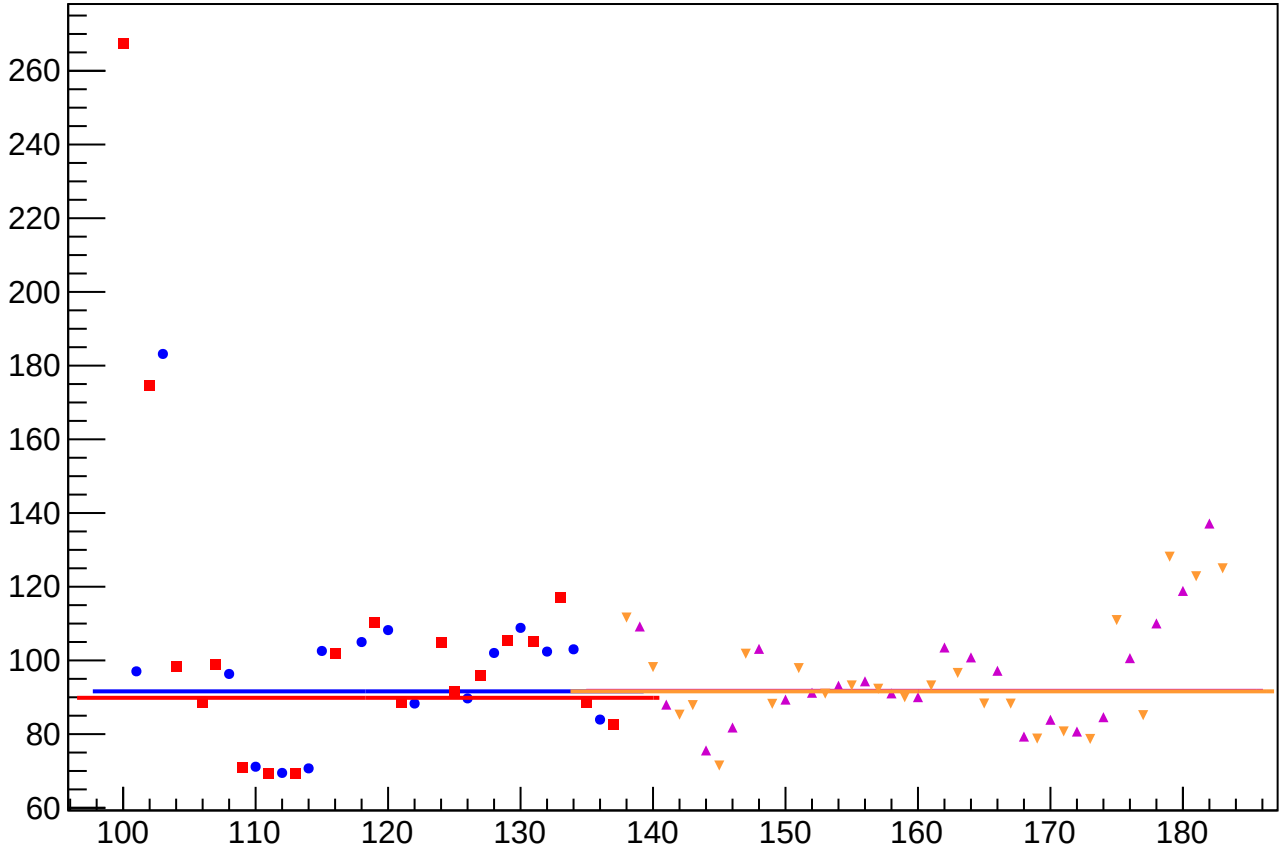
Left In: -72.419+/-21.915 χ^2/NDF:30.6/21

+ sign 43.335+/-18.201 χ^2/NDF: 55.5/39

All: -7.568+/-12.960 χ^2/NDF: 127.1/80

- sign -59.922+/-18.459 χ^2/NDF: 55.8/40

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 91.608+/-0.015 χ^2/NDF:745606.6/23

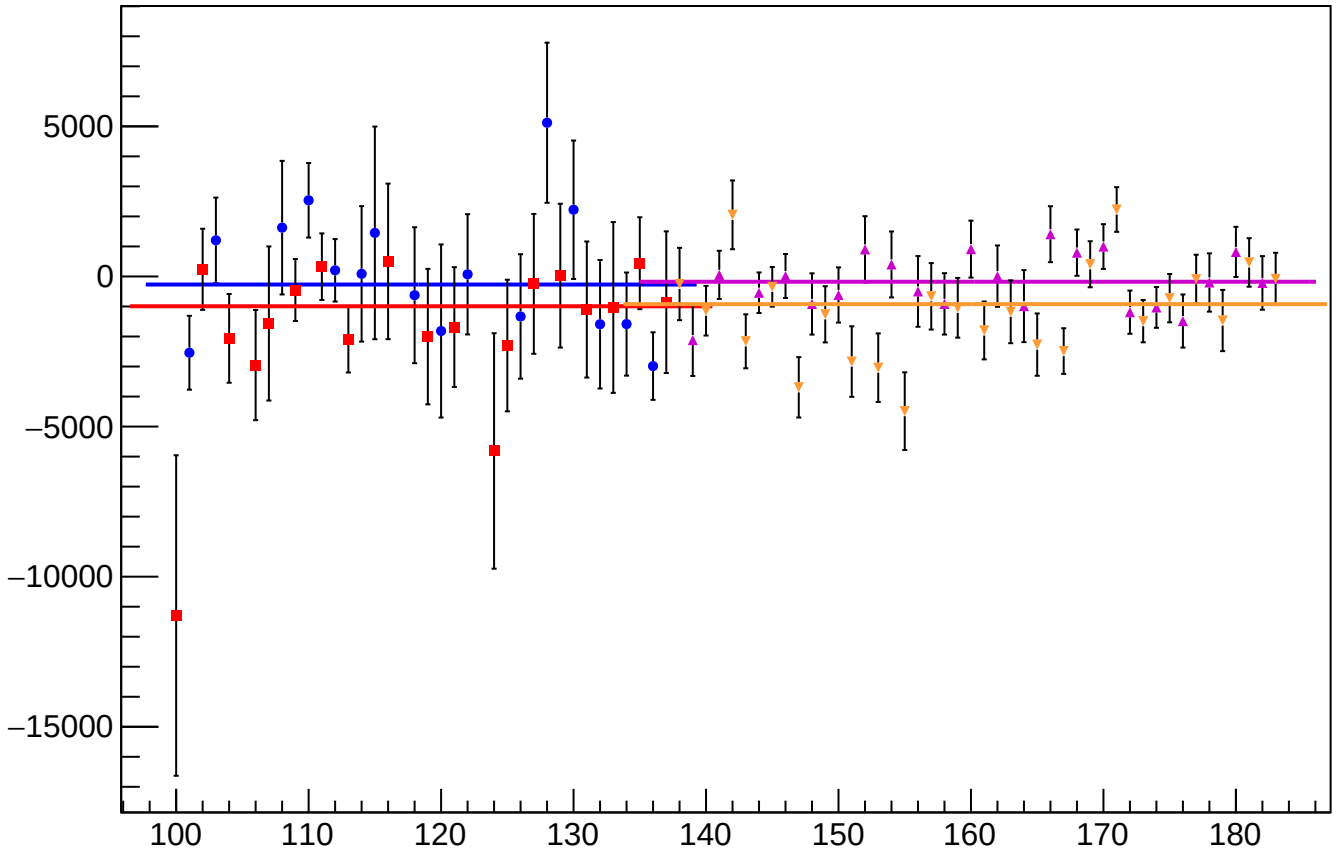
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 91.749+/-0.015 χ^2/NDF:627433.9/21

+ sign 91.608+/-0.013 χ^2/NDF: 1326279.4/39

All: 91.406+/-0.009 χ^2/NDF: 2704844.8/80

- sign 91.199+/-0.013 χ^2/NDF: 1378067.1/40



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -921.577+/-184.018 χ^2/NDF:65.0/23

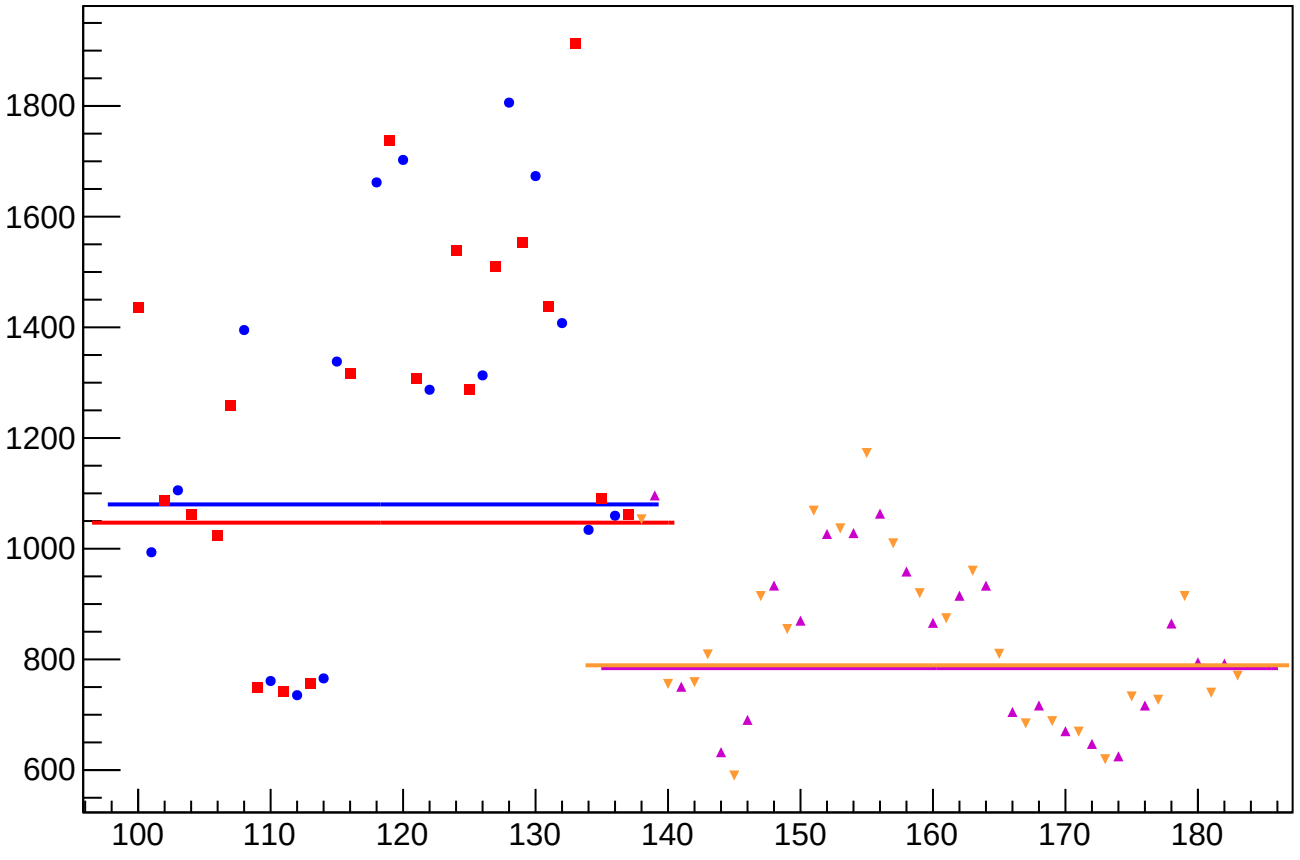
Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -176.163+/-188.005 χ^2/NDF:21.6/21

+ sign -816.219+/-168.523 χ^2/NDF: 90.4/39

All: -572.268+/-119.756 χ^2/NDF: 132.3/80

- sign -323.404+/-170.211 χ^2/NDF: 37.6/40



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 789.343+/-0.130 χ^2/NDF:1190965.5/23

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

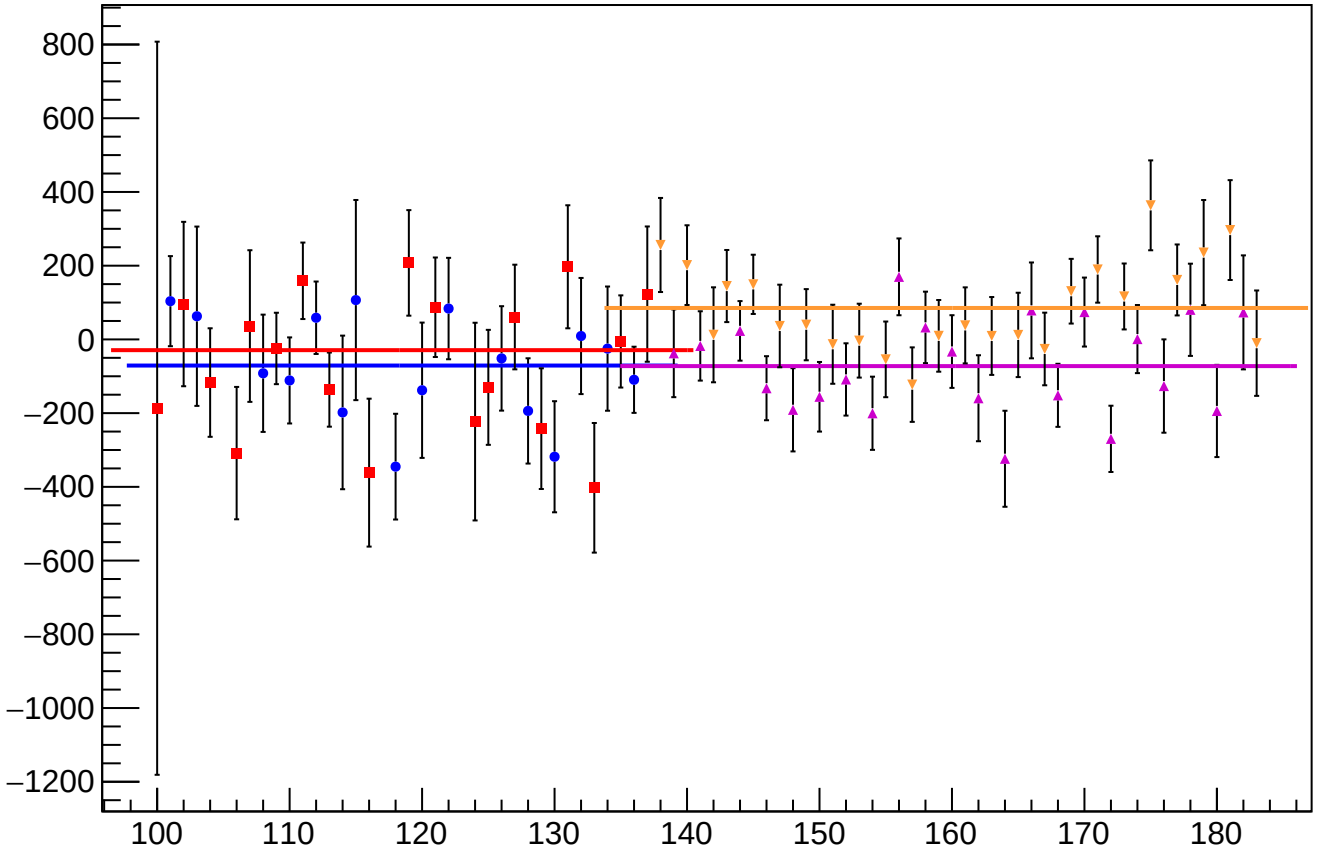
Left In: 784.206+/-0.133 χ^2/NDF:1062279.1/21

+ sign 836.240+/-0.119 χ^2/NDF: 3049621.9/39

All: 833.947+/-0.085 χ^2/NDF: 6016338.4/80

- sign 831.608+/-0.120 χ^2/NDF: 2965968.7/40

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 85.281+/-21.282 χ^2/NDF:27.0/23

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

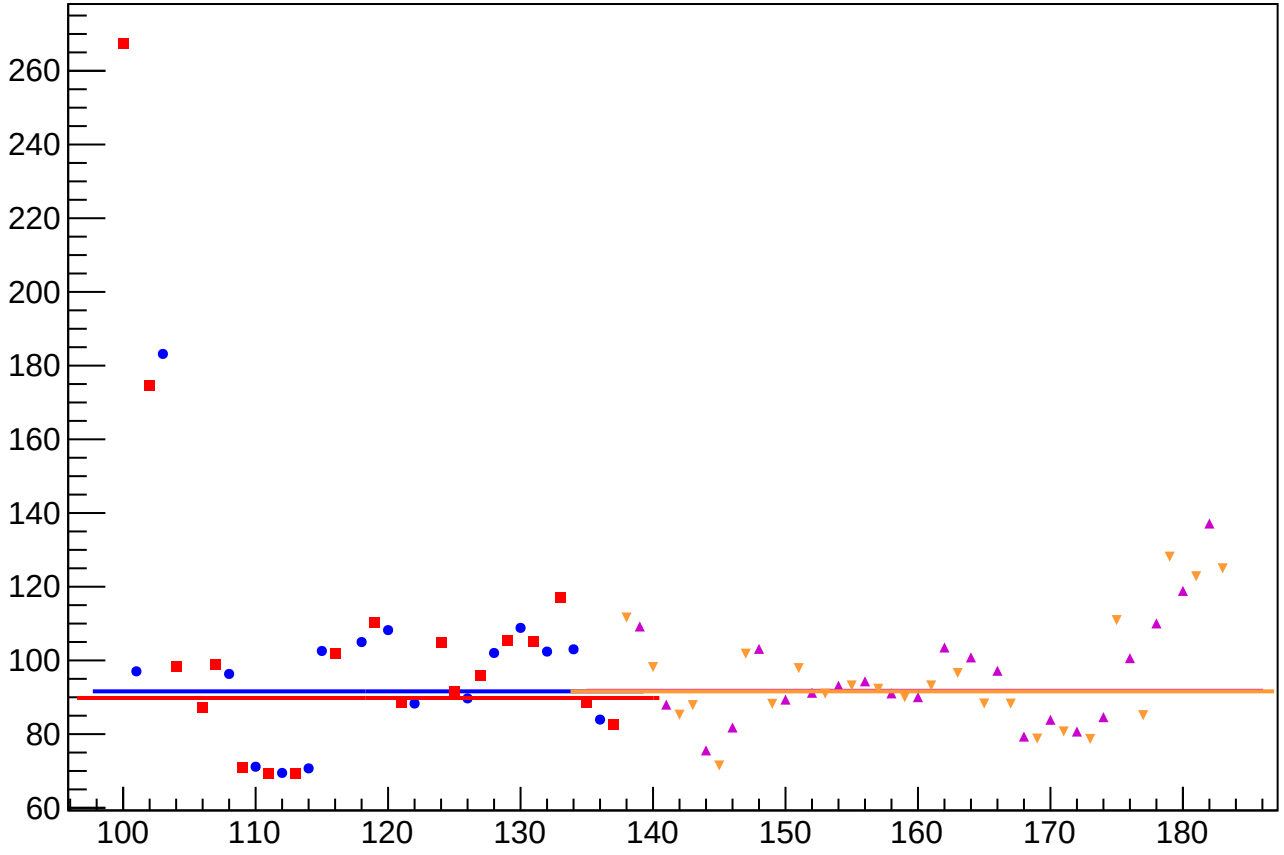
Left In: -72.421+/-21.915 χ^2/NDF:30.6/21

+ sign 43.337+/-18.201 χ^2/NDF: 55.5/39

All: -7.531+/-12.960 χ^2/NDF: 127.0/80

- sign -59.852+/-18.459 χ^2/NDF: 55.7/40

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.608+/-0.015 χ^2/NDF:745606.7/23

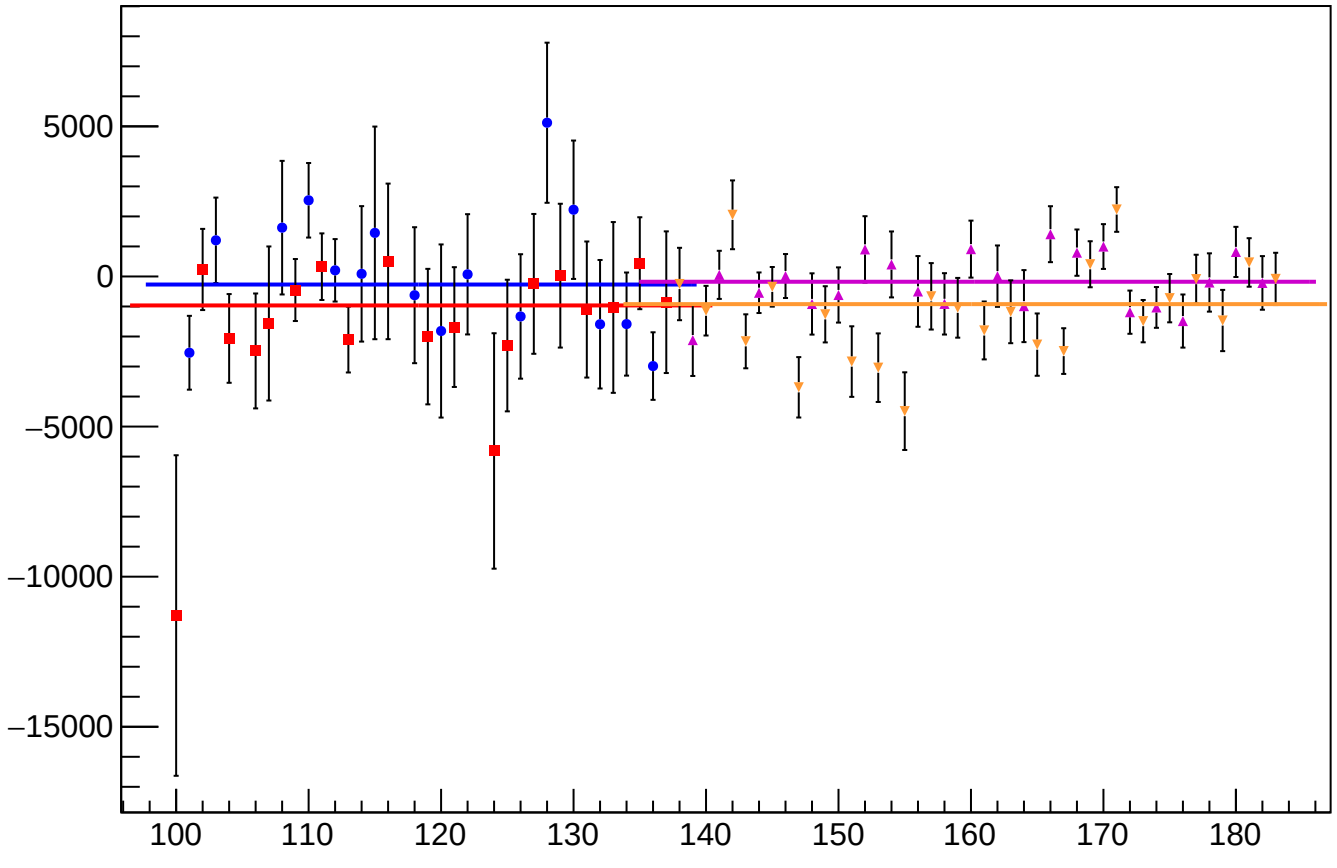
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.749+/-0.015 χ^2/NDF:627433.9/21

+ sign 91.608+/-0.013 χ^2/NDF: 1326282.6/39

All: 91.399+/-0.009 χ^2/NDF: 2705645.7/80

- sign 91.185+/-0.013 χ^2/NDF: 1378831.0/40



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -921.570+/-184.018 χ^2/NDF:65.0/23

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

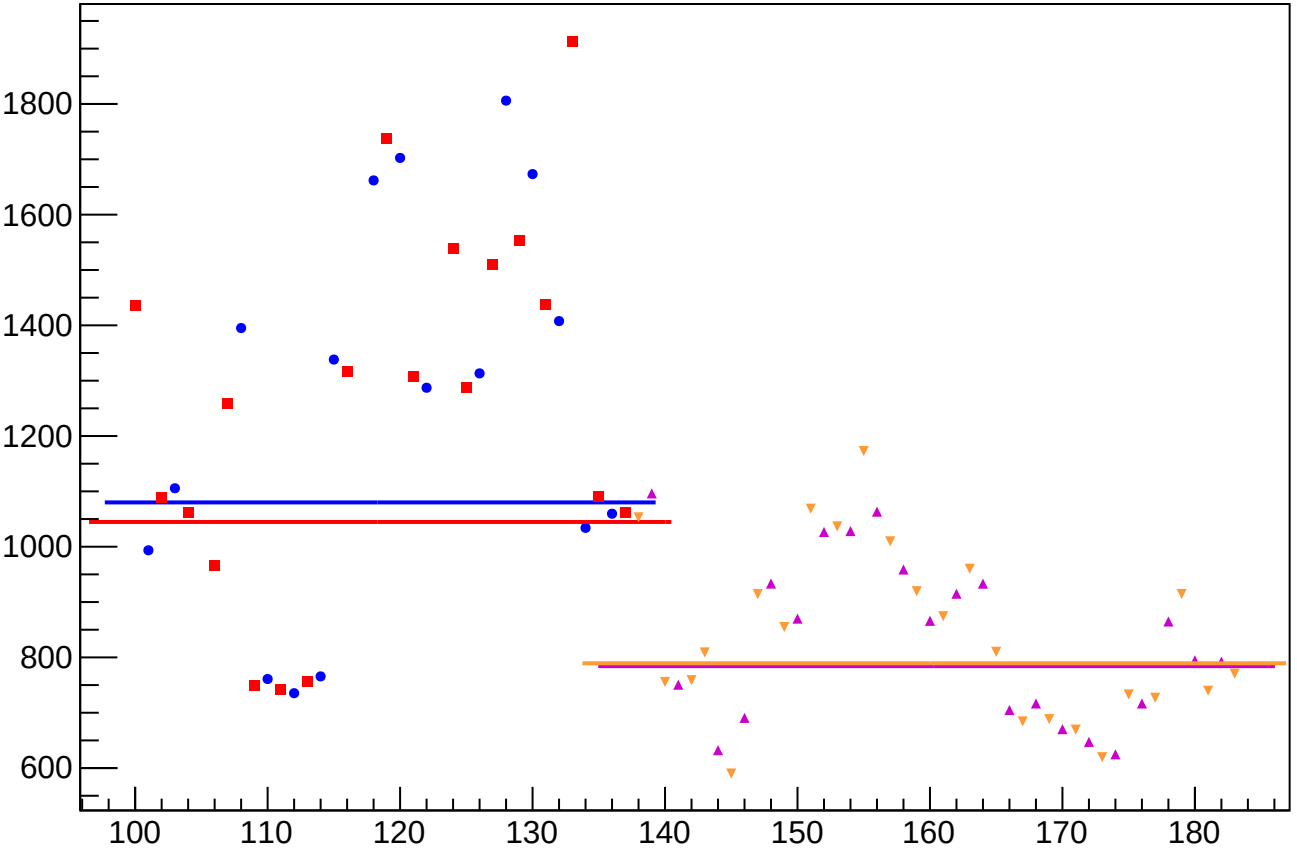
Left In: -176.166+/-188.005 χ^2/NDF:21.6/21

\+ sign -816.218+/-168.523 χ^2/NDF: 90.4/39

All: -569.656+/-119.778 χ^2/NDF: 131.6/80

\- sign -317.946+/-170.273 χ^2/NDF: 36.9/40

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 789.343+/-0.130 χ^2/NDF:1190967.0/23

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

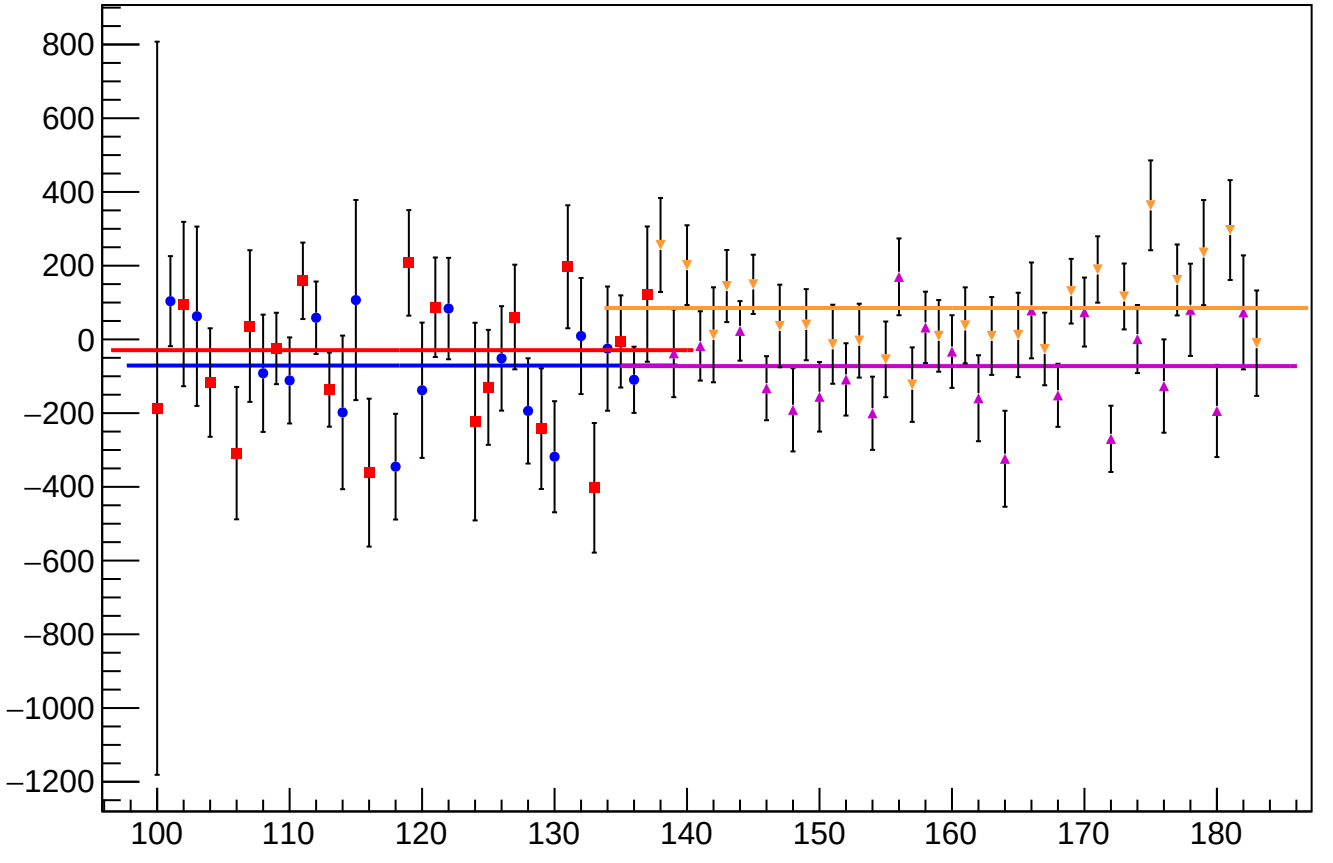
Left In: 784.206+/-0.133 χ^2/NDF:1062279.0/21

\+ sign 836.240+/-0.119 χ^2/NDF: 3049667.9/39

All: 833.661+/-0.085 χ^2/NDF: 6004921.0/80

\- sign 831.029+/-0.120 χ^2/NDF: 2954306.9/40

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 85.281+/-21.282 χ^2/NDF:27.0/23

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

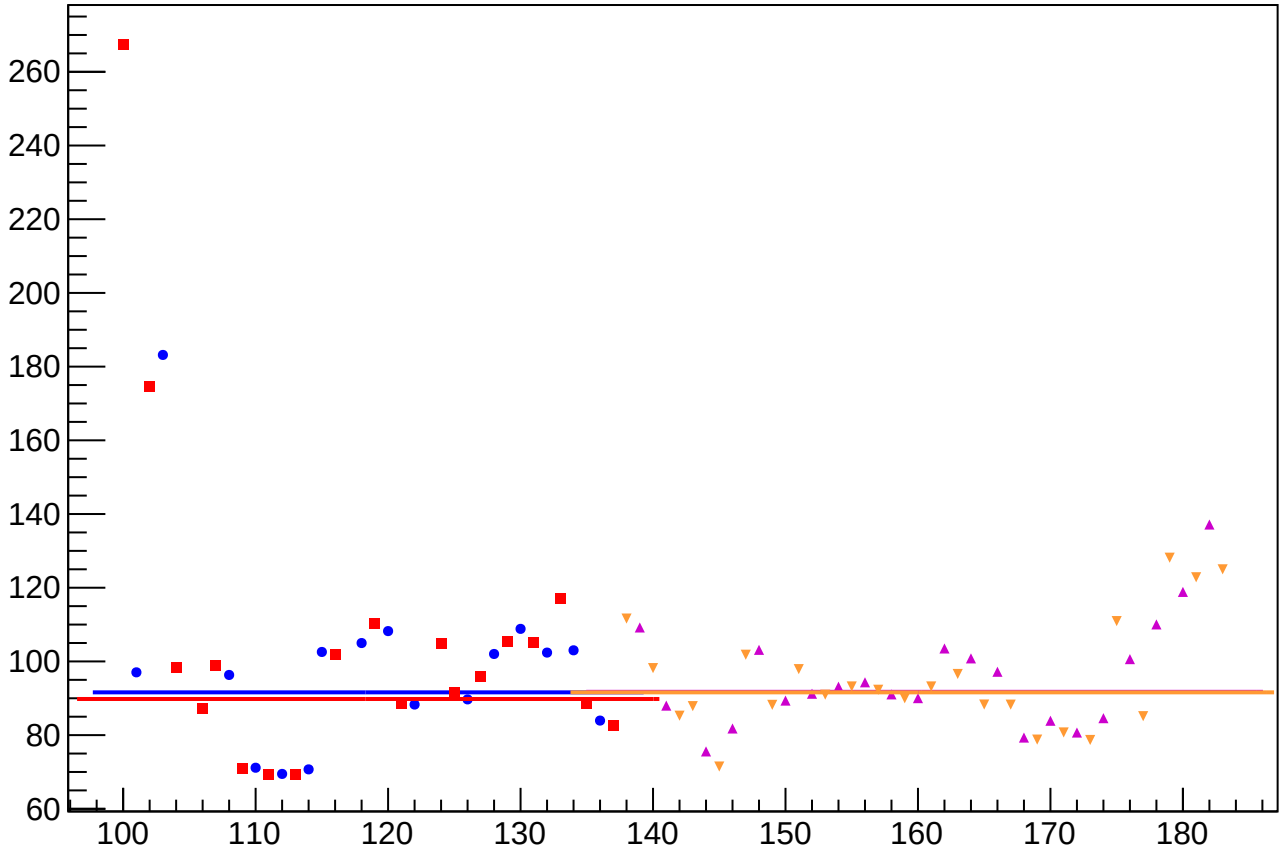
Left In: -72.421+/-21.915 χ^2/NDF:30.6/21

+ sign 43.337+/-18.201 χ^2/NDF: 55.5/39

All: -7.531+/-12.960 χ^2/NDF: 127.0/80

- sign -59.852+/-18.459 χ^2/NDF: 55.7/40

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.608+/-0.015 χ^2/NDF:745606.7/23

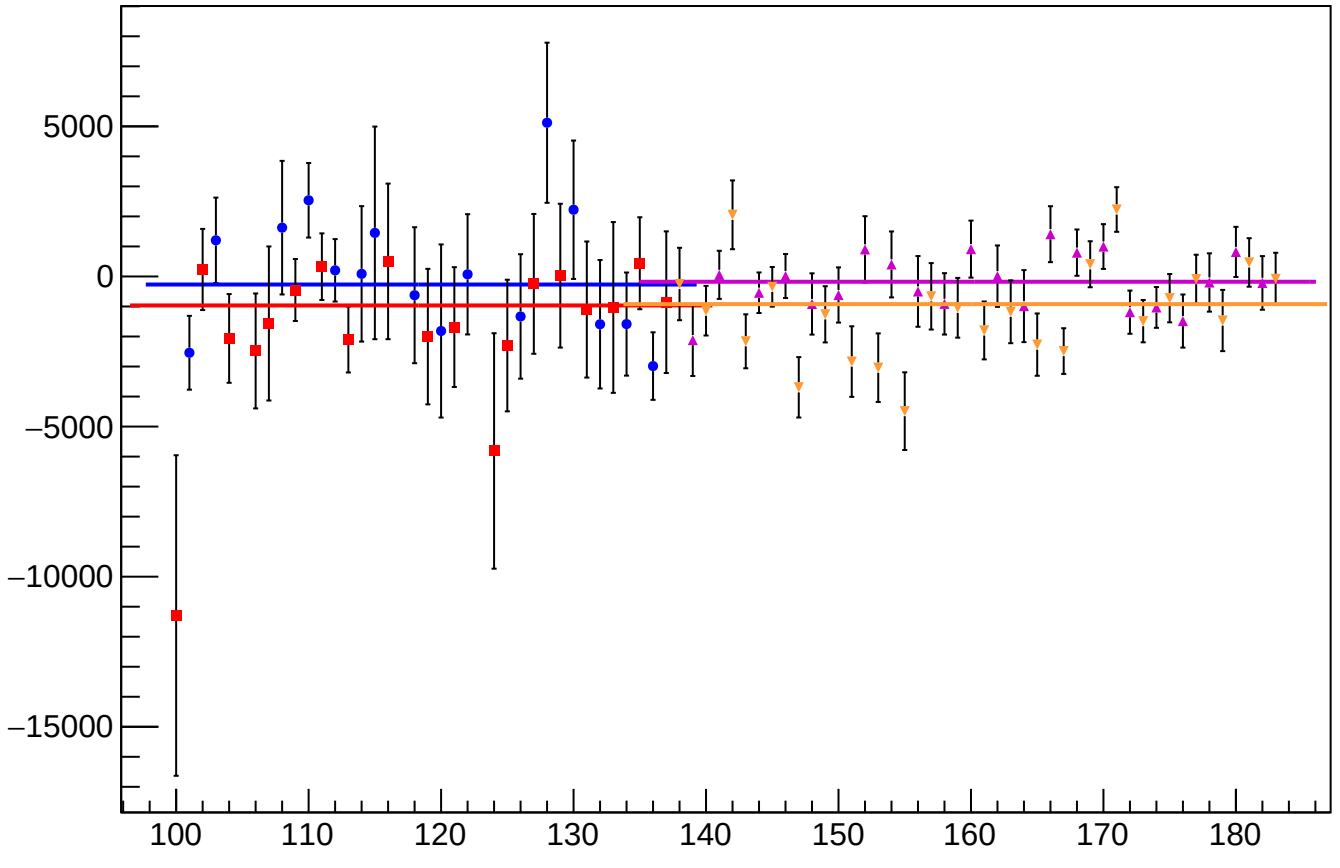
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.749+/-0.015 χ^2/NDF:627433.9/21

+ sign 91.608+/-0.013 χ^2/NDF: 1326282.6/39

All: 91.399+/-0.009 χ^2/NDF: 2705645.7/80

- sign 91.185+/-0.013 χ^2/NDF: 1378831.0/40



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -921.570+/-184.018 χ^2/NDF:65.0/23

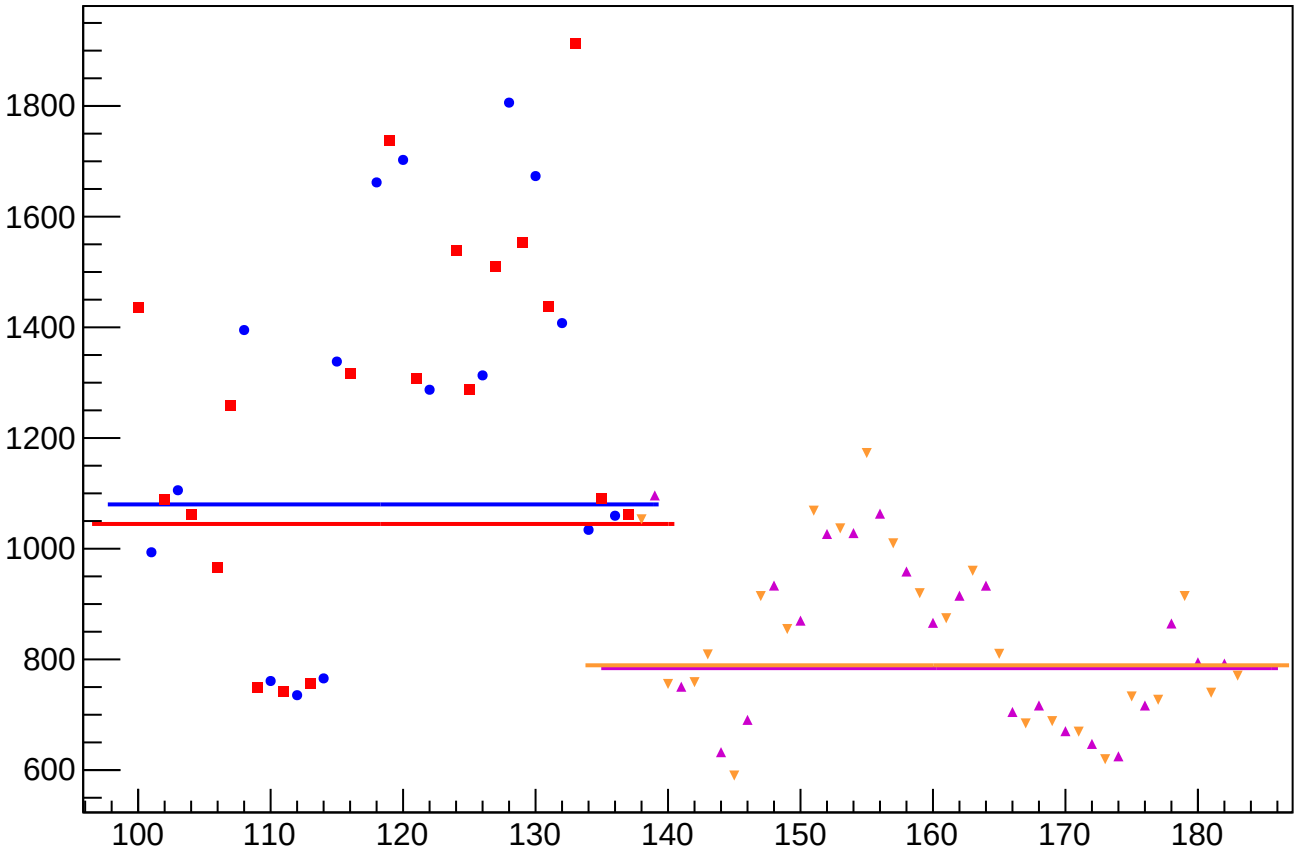
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -176.166+/-188.005 χ^2/NDF:21.6/21

+ sign -816.218+/-168.523 χ^2/NDF: 90.4/39

All: -569.656+/-119.778 χ^2/NDF: 131.6/80

- sign -317.946+/-170.273 χ^2/NDF: 36.9/40



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 789.343+/-0.130 χ^2/NDF:1190967.0/23

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

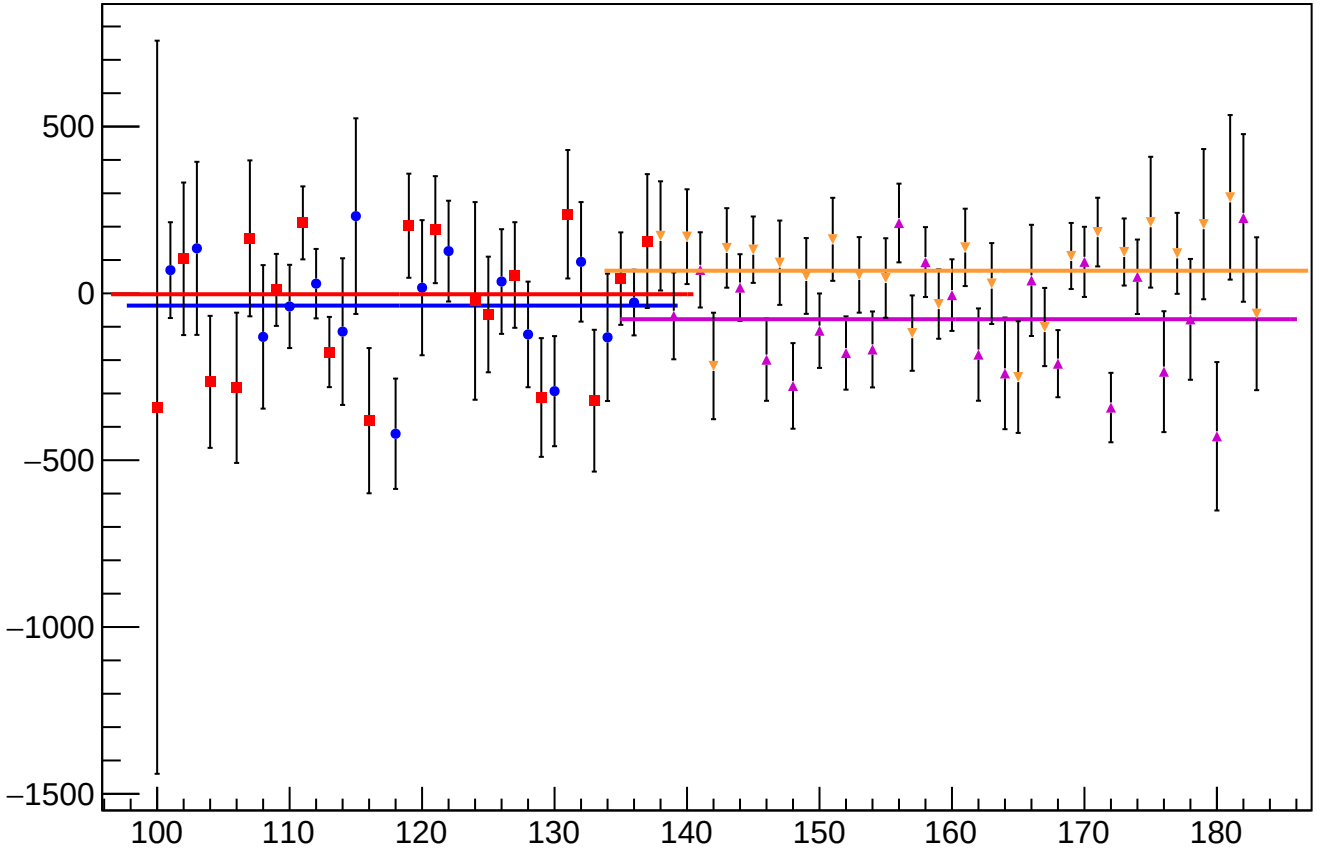
Left In: 784.206+/-0.133 χ^2/NDF:1062279.0/21

+ sign 836.240+/-0.119 χ^2/NDF: 3049667.9/39

All: 833.661+/-0.085 χ^2/NDF: 6004921.0/80

- sign 831.029+/-0.120 χ^2/NDF: 2954306.9/40

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.949+/-25.676 χ^2/NDF:19.4/23

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

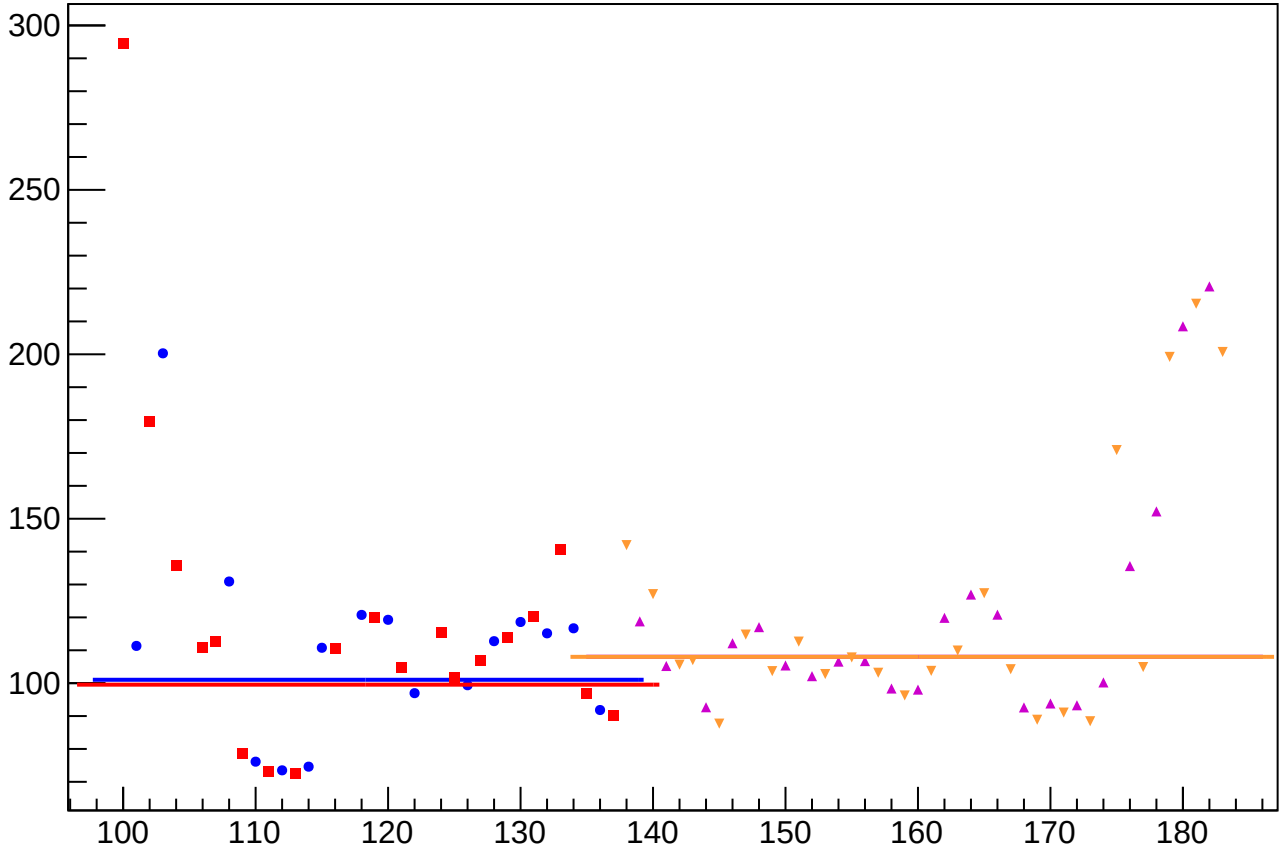
Left In: -77.435+/-26.377 χ^2/NDF:35.6/21

+ sign 36.328+/-21.444 χ^2/NDF: 37.3/39

All: -7.925+/-15.253 χ^2/NDF: 108.9/80

- sign -53.234+/-21.699 χ^2/NDF: 63.0/40

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 108.003+/-0.018 χ^2/NDF:1729464.9/23

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

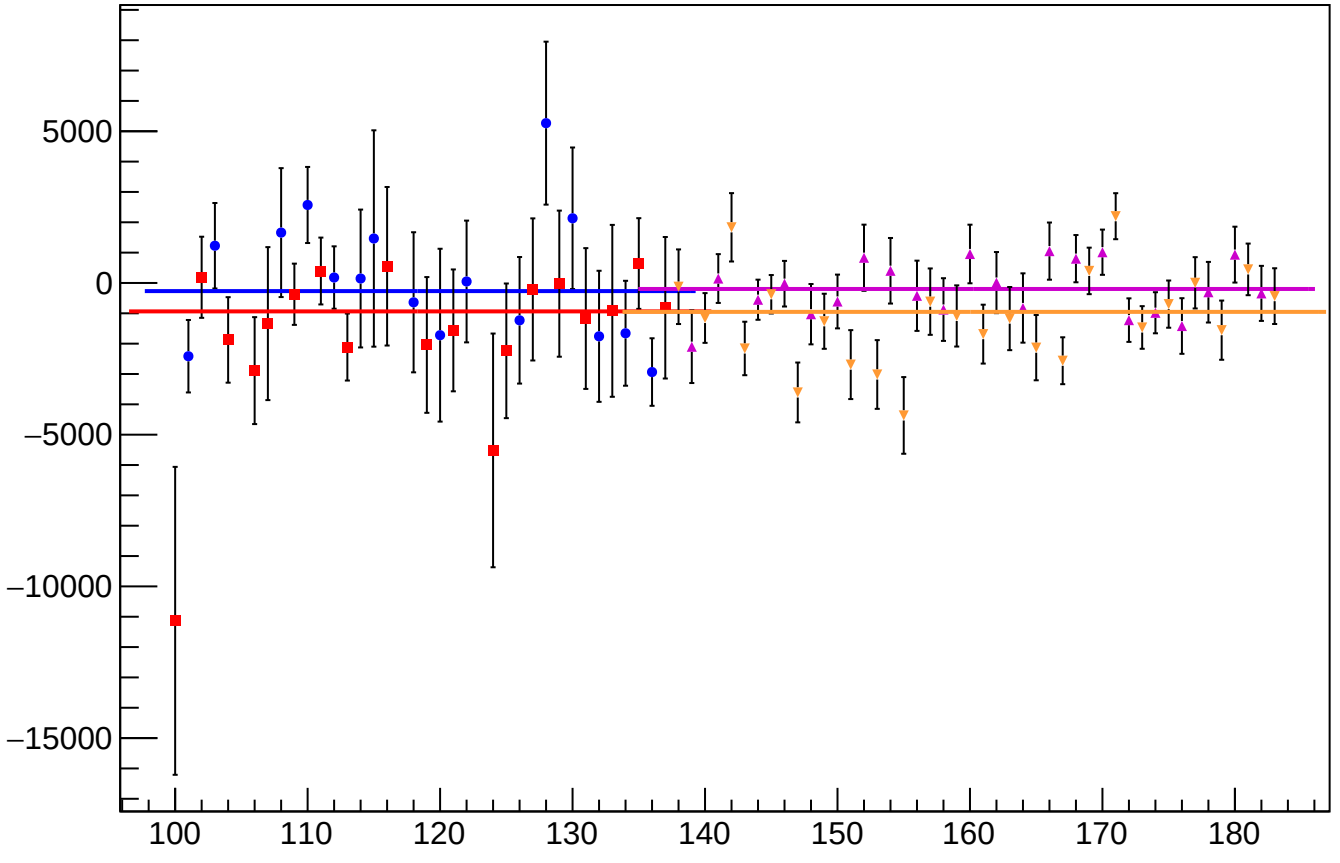
Left In: 108.032+/-0.019 χ^2/NDF:1276902.5/21

\+ sign 105.894+/-0.015 χ^2/NDF: 2490160.0/39

All: 105.595+/-0.011 χ^2/NDF: 4715248.1/80

\- sign 105.289+/-0.015 χ^2/NDF: 2224302.3/40

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -952.450+/-183.748 χ^2/NDF:61.7/23

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

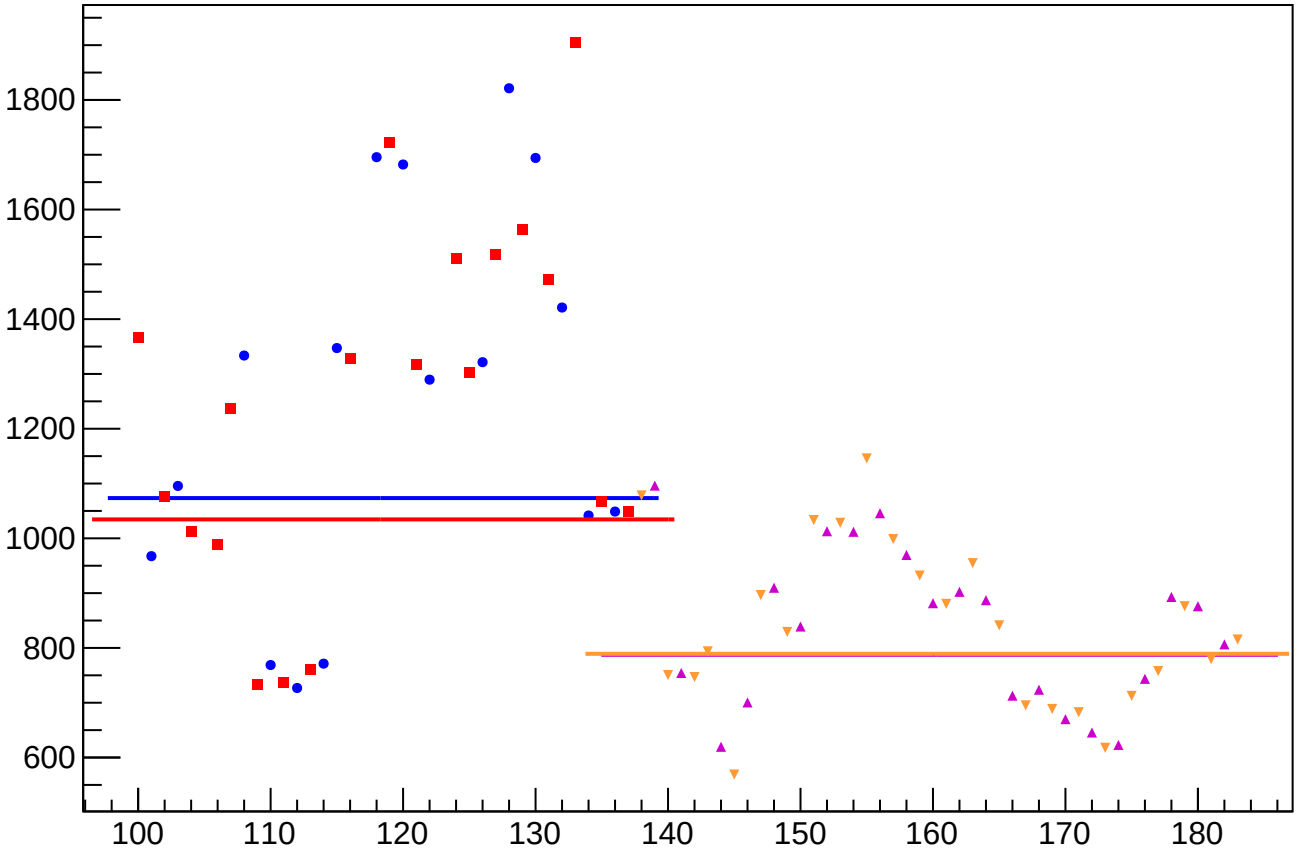
Left In: -197.751+/-188.714 χ^2/NDF:20.2/21

+ sign -841.170+/-168.151 χ^2/NDF: 87.4/39

All: -591.109+/-119.680 χ^2/NDF: 128.0/80

- sign -334.383+/-170.377 χ^2/NDF: 36.1/40

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 789.293+/-0.130 χ^2/NDF:1176790.9/23

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

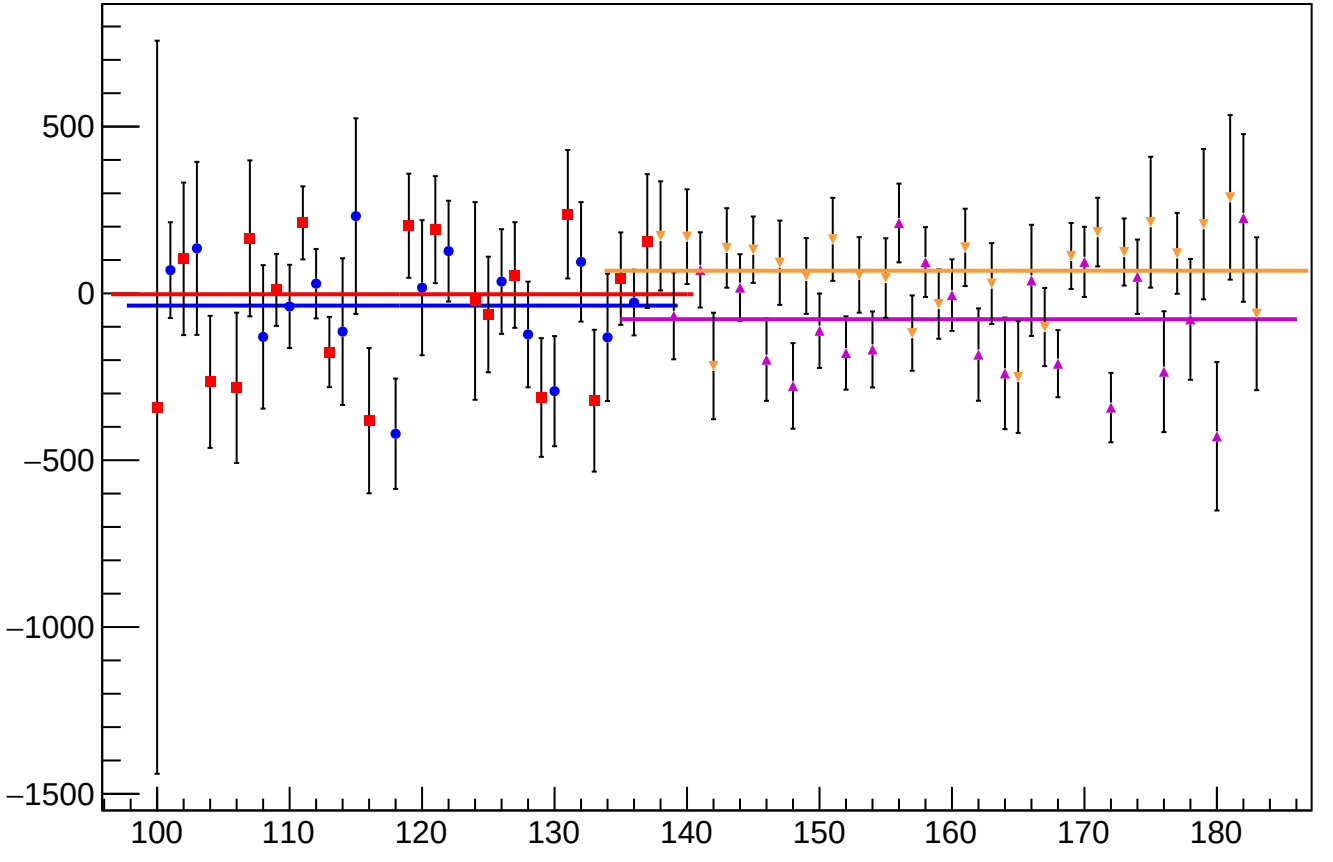
Left In: 787.419+/-0.133 χ^2/NDF:1041388.1/21

+ sign 835.485+/-0.119 χ^2/NDF: 3031379.7/39

All: 834.313+/-0.085 χ^2/NDF: 5936386.5/80

- sign 833.109+/-0.120 χ^2/NDF: 2904809.7/40

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.950+/-25.676 χ^2/NDF:19.4/23

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

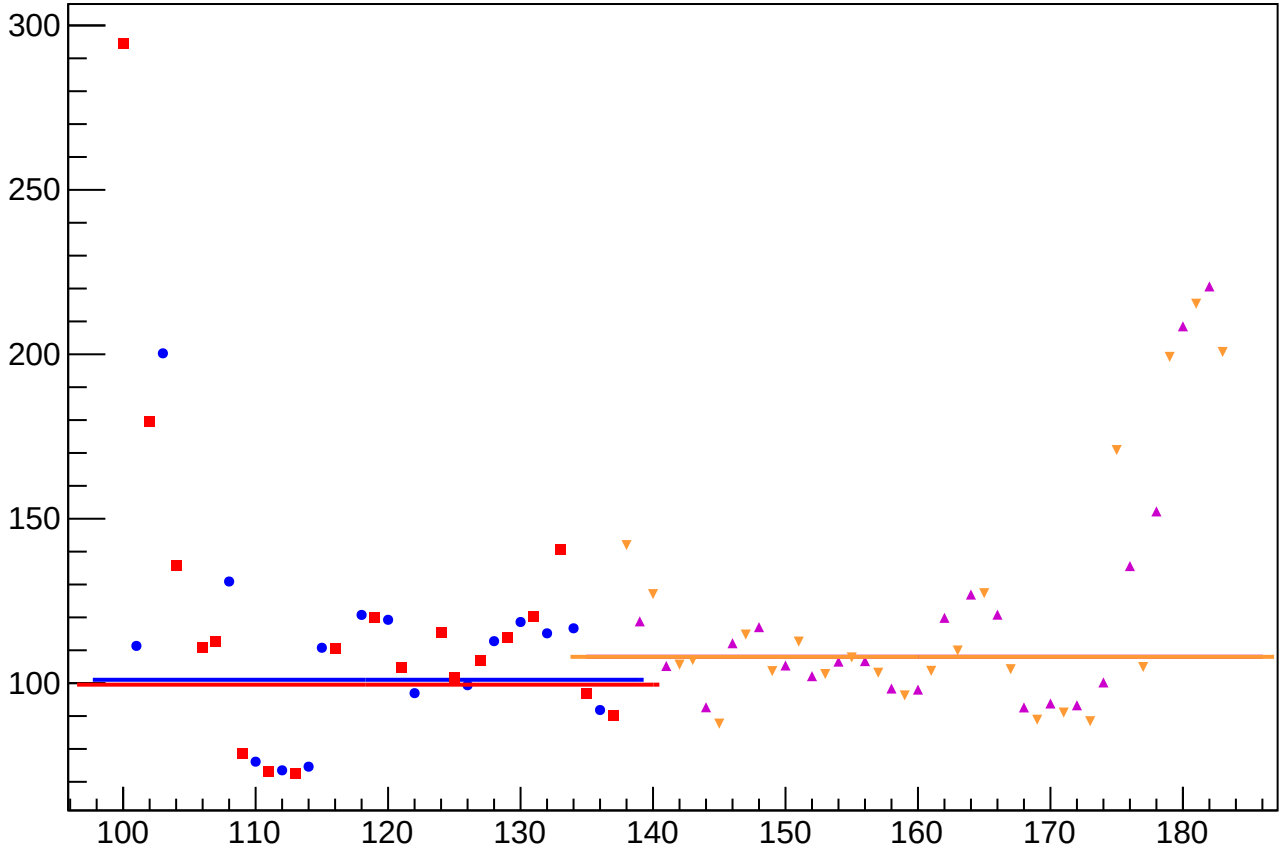
Left In: -77.435+/-26.377 χ^2/NDF:35.6/21

+ sign 36.329+/-21.444 χ^2/NDF: 37.3/39

All: -7.923+/-15.253 χ^2/NDF: 108.9/80

- sign -53.233+/-21.699 χ^2/NDF: 63.0/40

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 108.003+/-0.018 χ^2/NDF:1729461.9/23

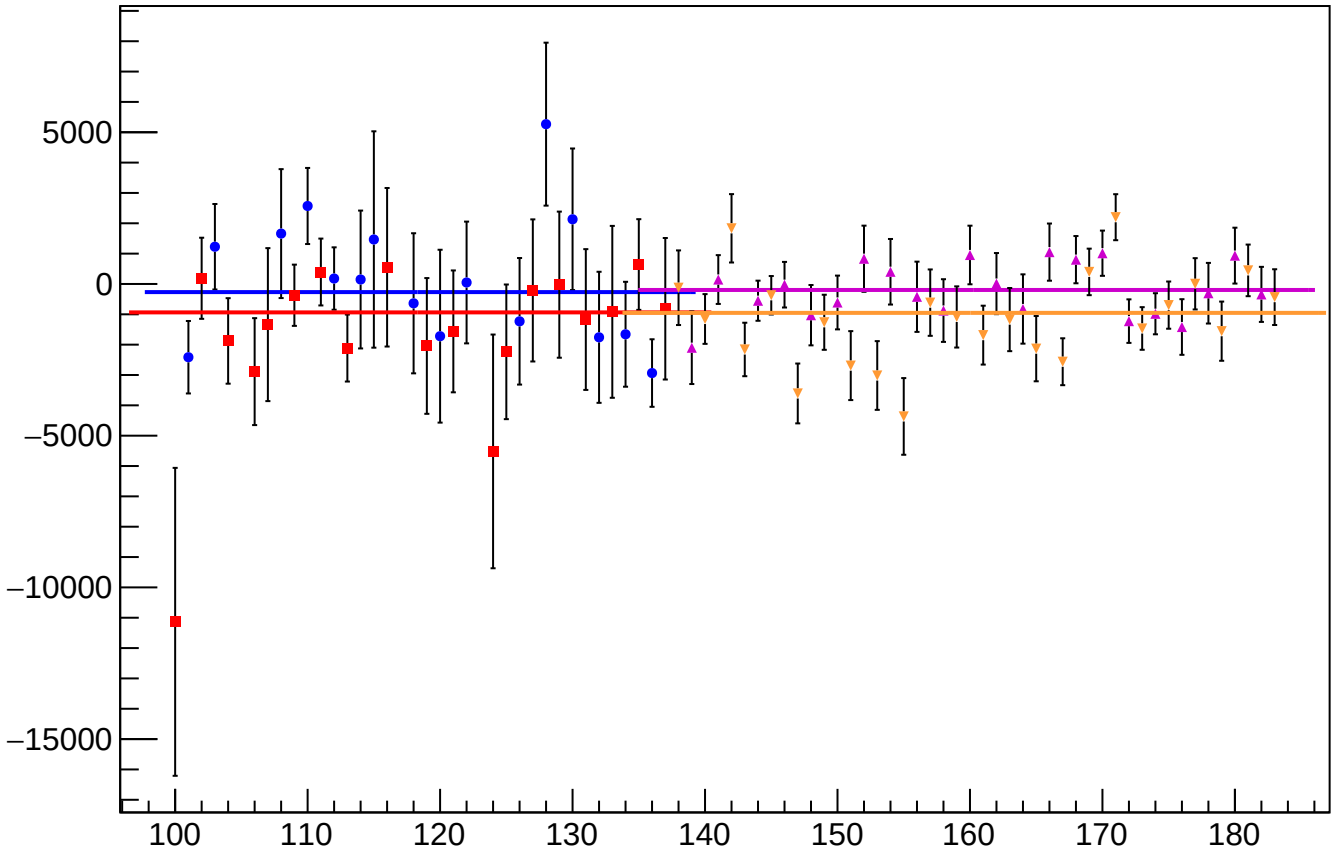
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 108.032+/-0.019 χ^2/NDF:1276883.2/21

+ sign 105.894+/-0.015 χ^2/NDF: 2490157.8/39

All: 105.595+/-0.011 χ^2/NDF: 4715231.2/80

- sign 105.290+/-0.015 χ^2/NDF: 2224287.7/40



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -952.448+/-183.747 χ^2/NDF:61.7/23

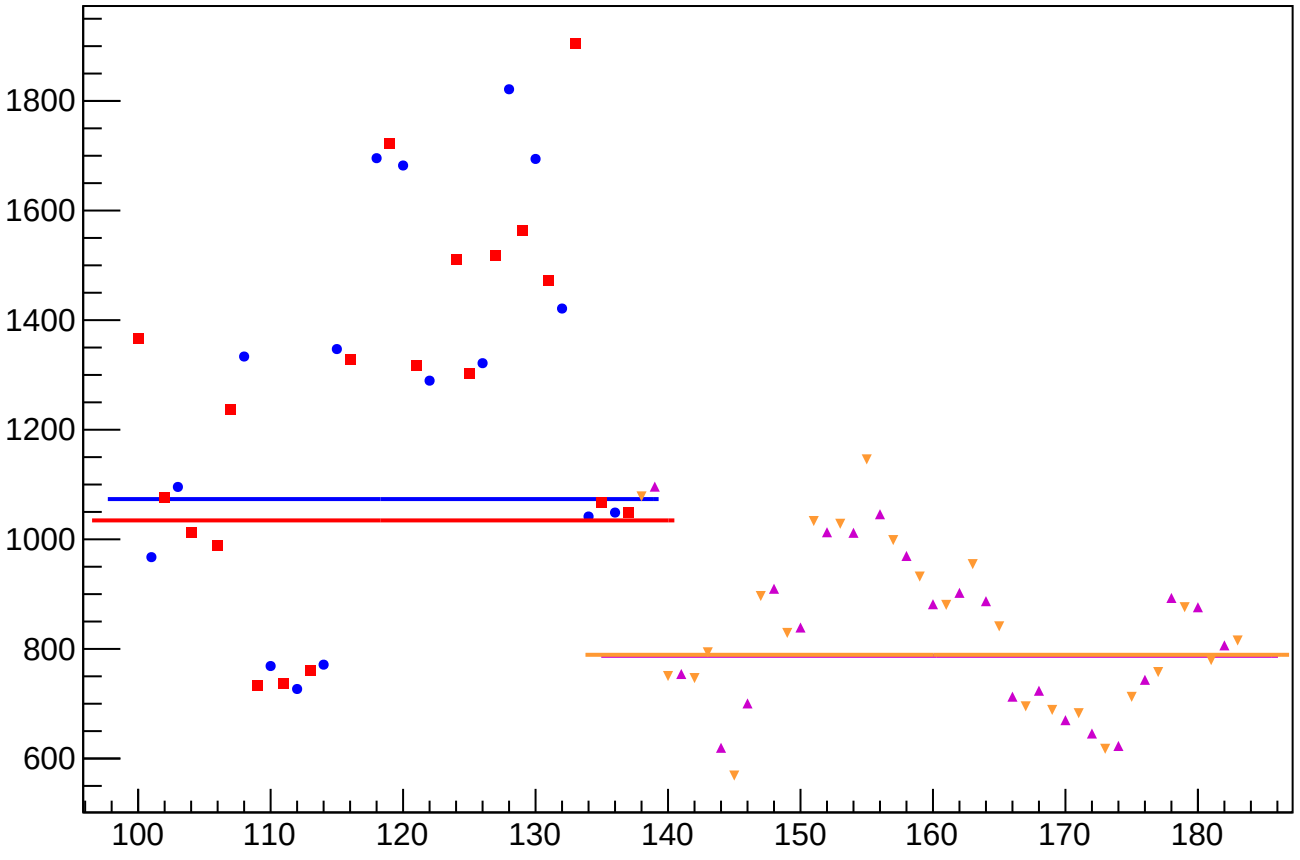
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -197.750+/-188.713 χ^2/NDF:20.2/21

+ sign -841.169+/-168.151 χ^2/NDF: 87.4/39

All: -591.108+/-119.680 χ^2/NDF: 128.0/80

- sign -334.381+/-170.377 χ^2/NDF: 36.1/40



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 789.292+/-0.130 χ^2/NDF:1176793.7/23

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

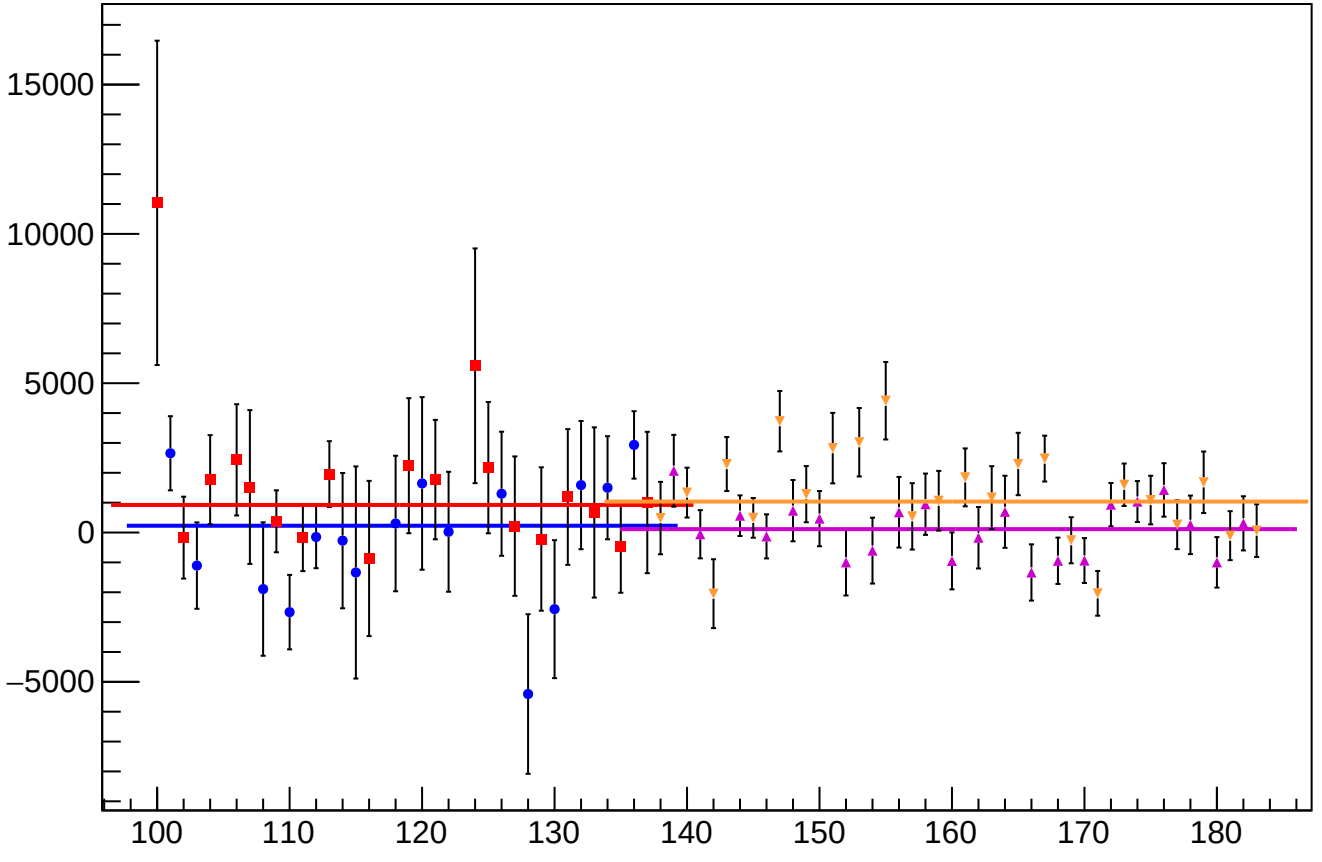
Left In: 787.418+/-0.133 χ^2/NDF:1041388.3/21

+ sign 835.484+/-0.119 χ^2/NDF: 3031387.8/39

All: 834.311+/-0.085 χ^2/NDF: 5936397.8/80

- sign 833.107+/-0.120 χ^2/NDF: 2904812.9/40

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1036.560+/-185.445 χ^2/NDF:59.9/23

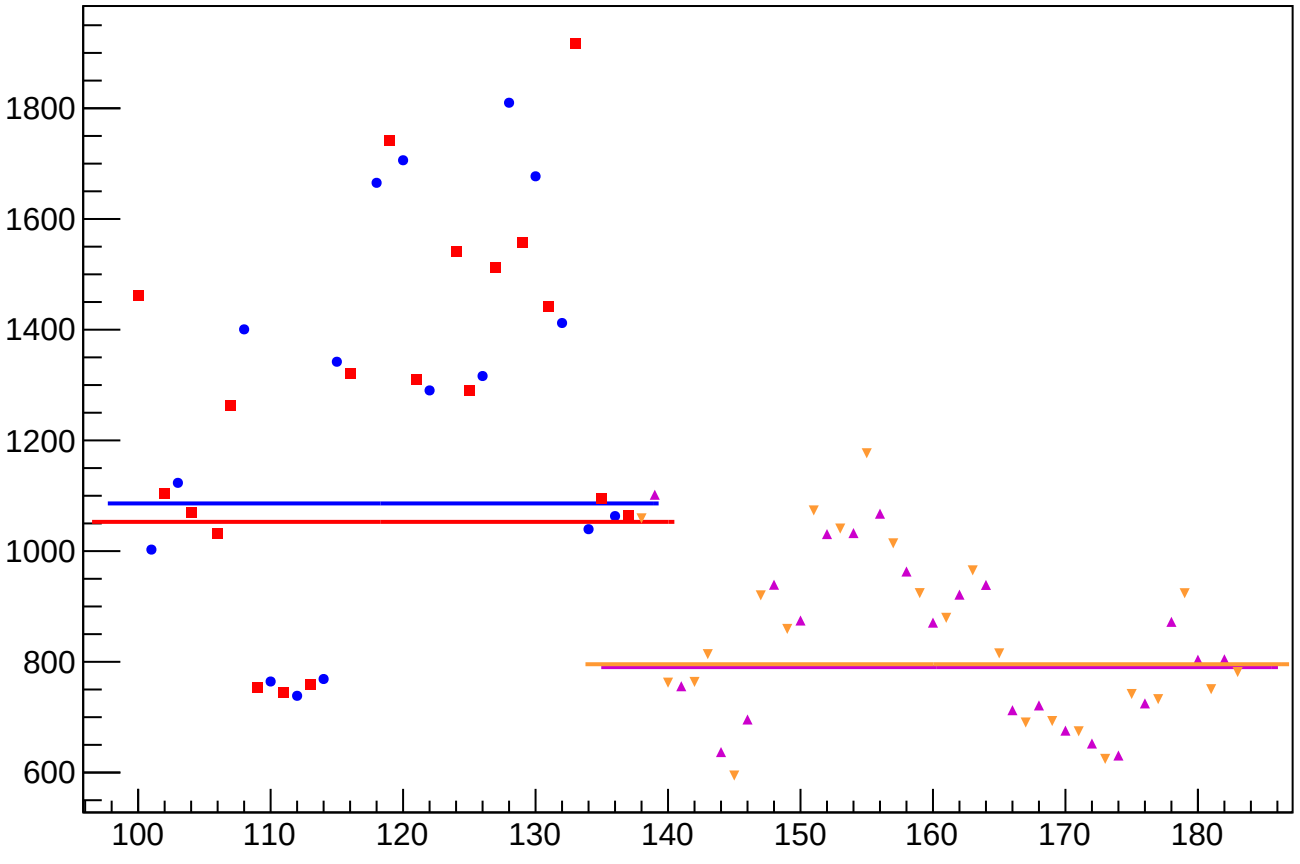
Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 113.915+/-189.459 χ^2/NDF:20.8/21

+ sign 905.525+/-169.765 χ^2/NDF: 87.4/39

All: 586.187+/-120.638 χ^2/NDF: 129.9/80

- sign 260.423+/-171.465 χ^2/NDF: 35.3/40



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 795.656+/-0.131 χ^2/NDF:1174033.3/23

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

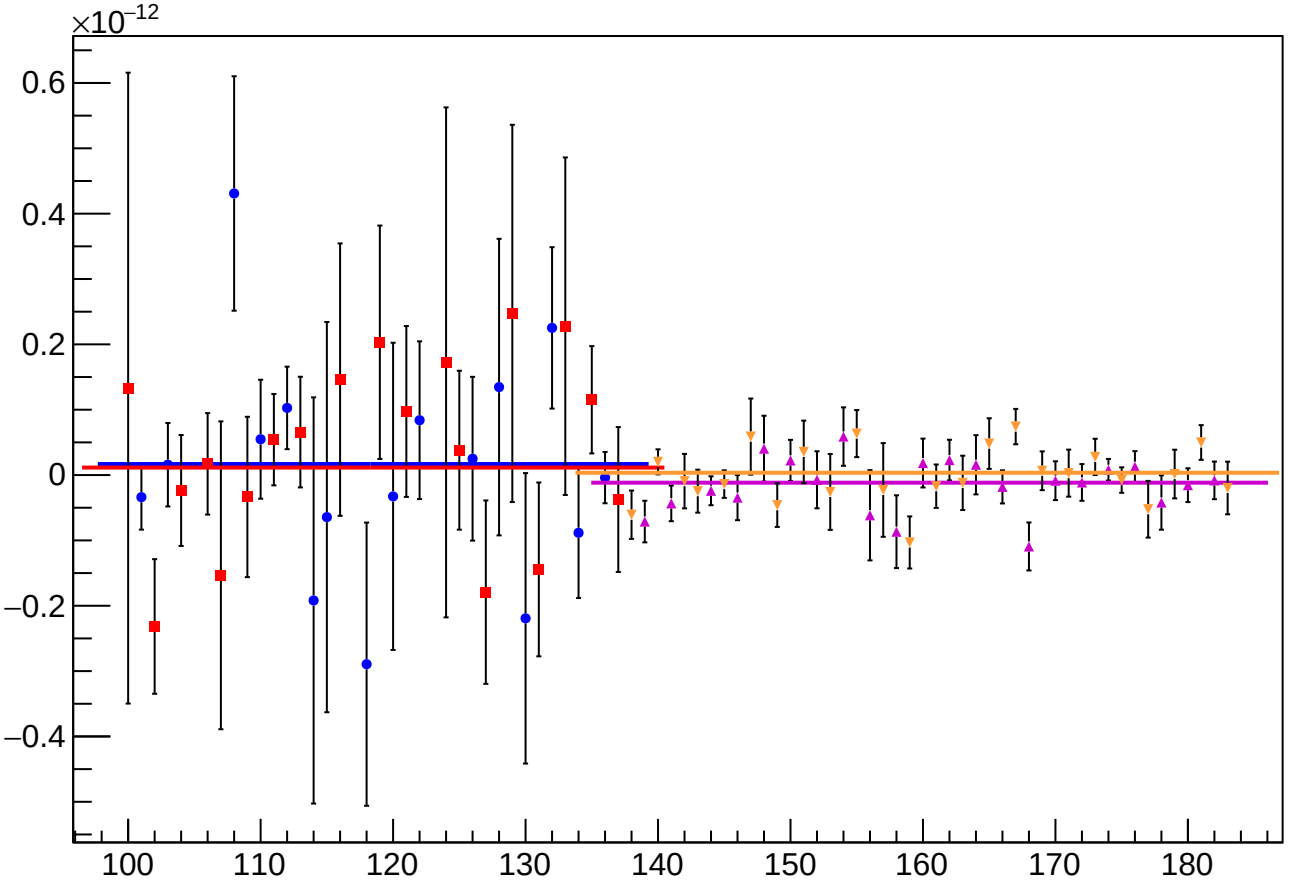
Left In: 790.448+/-0.134 χ^2/NDF:1047242.8/21

\+ sign 842.702+/-0.120 χ^2/NDF: 3016281.5/39

All: 840.336+/-0.085 χ^2/NDF: 5952780.9/80

\- sign 837.922+/-0.121 χ^2/NDF: 2935714.4/40

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/23

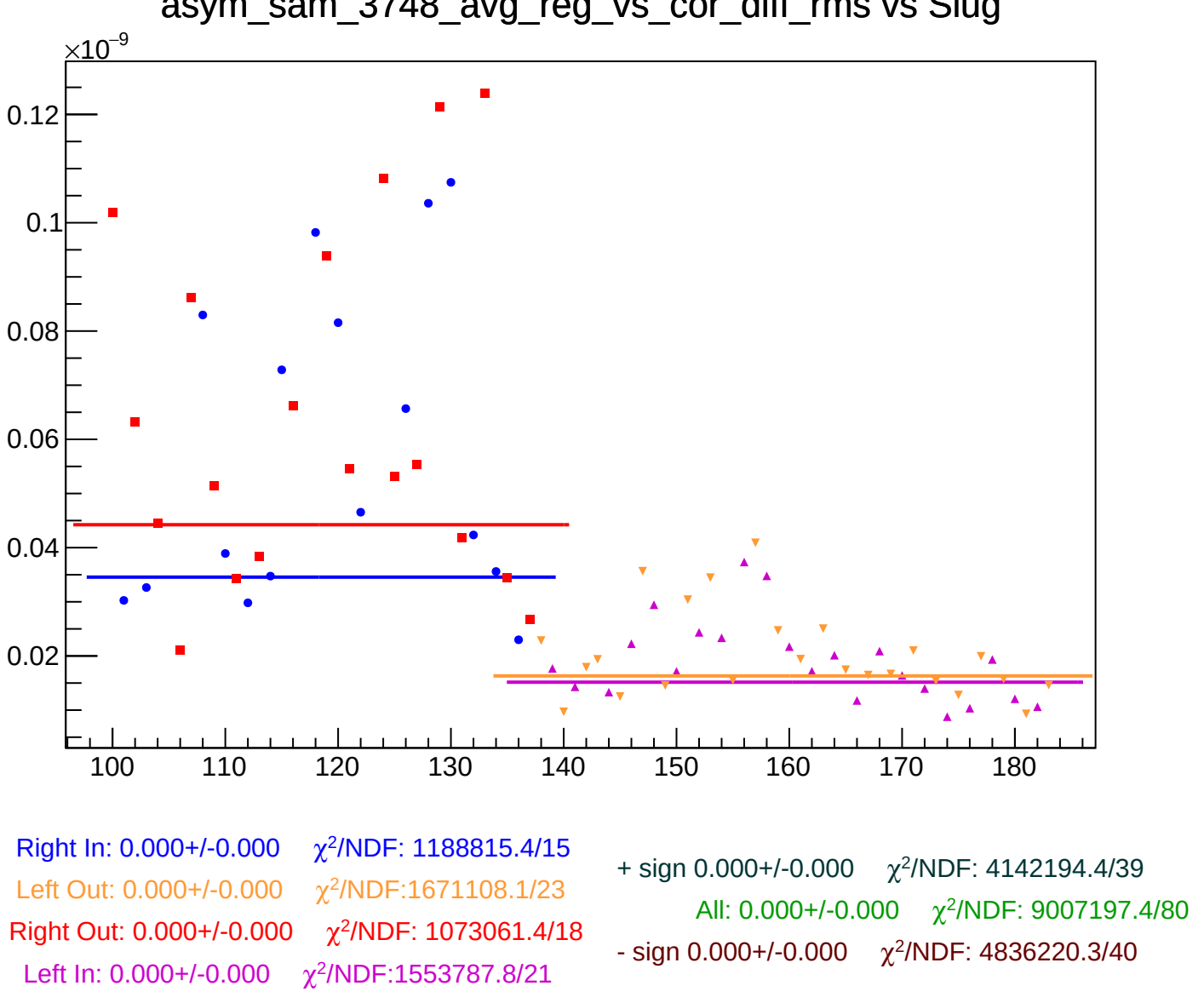
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.1/21

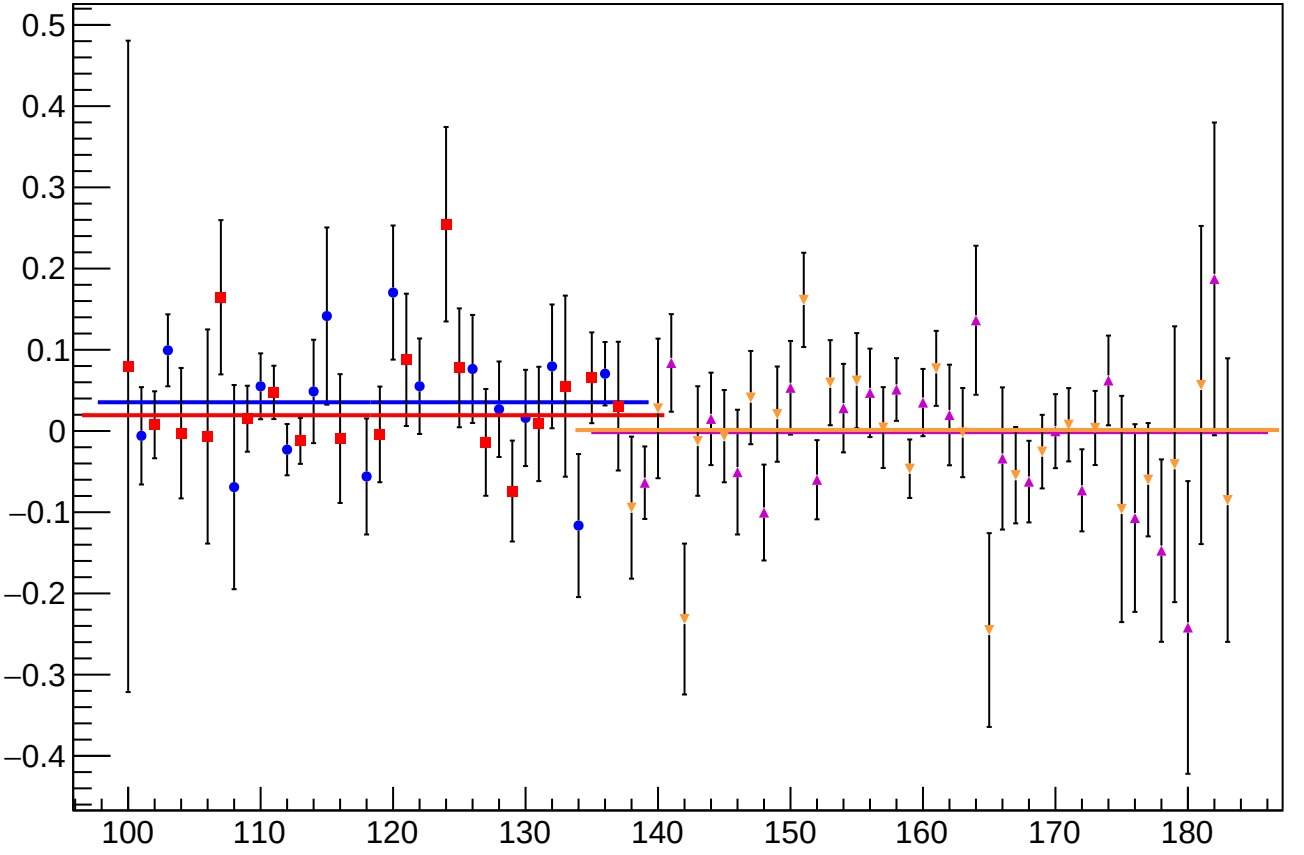
+ sign 0.000+/-0.000 χ^2/NDF: 51.2/39

All: -0.000+/-0.000 χ^2/NDF: 95.7/80

- sign -0.000+/-0.000 χ^2/NDF: 41.6/40


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1671108.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:1553787.8/21
+ sign 0.000+/-0.000 χ²/NDF: 4142194.4/39
All: 0.000+/-0.000 χ²/NDF: 9007197.4/80
- sign 0.000+/-0.000 χ²/NDF: 4836220.3/40

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.8/23

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

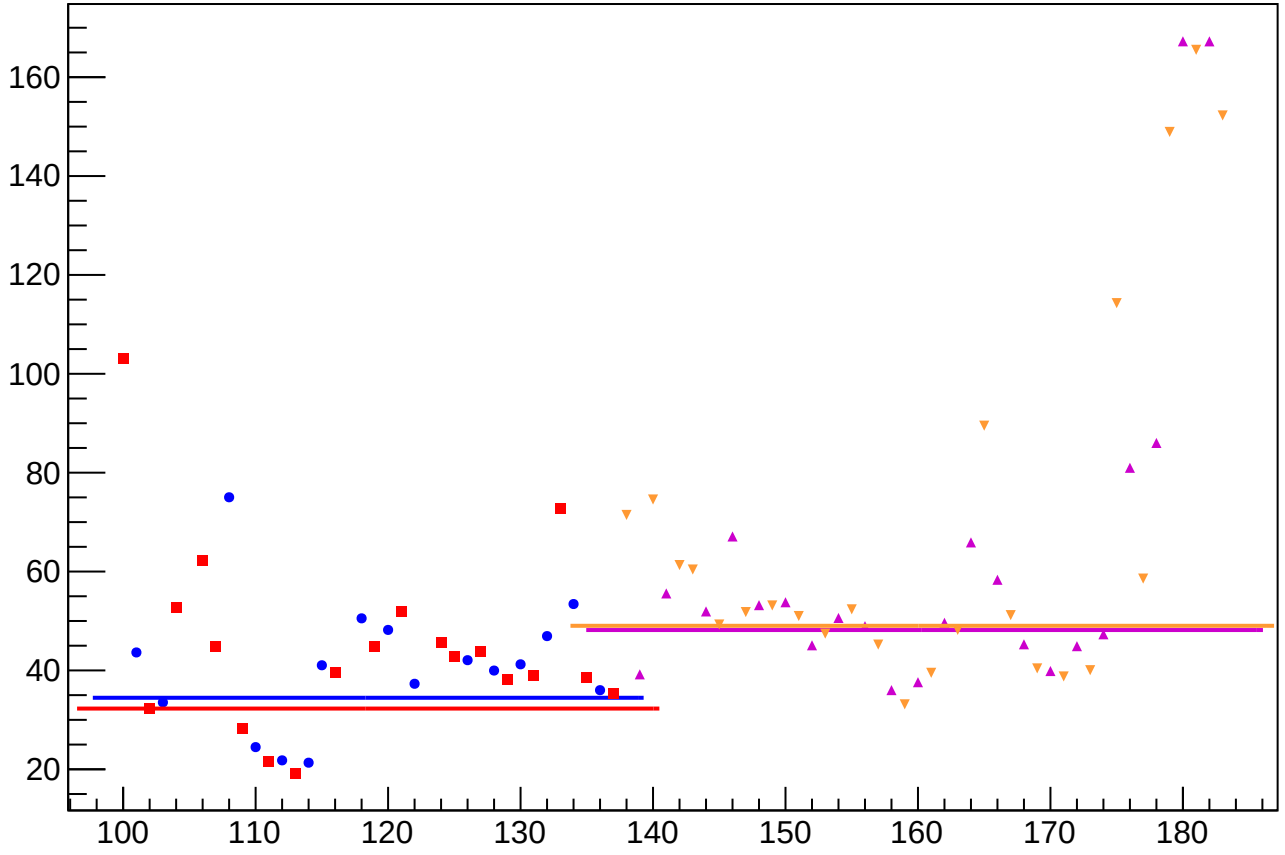
Left In: -0.001+/-0.012 χ^2/NDF:25.9/21

+ sign 0.016+/-0.009 χ^2/NDF: 50.1/39

All: 0.012+/-0.006 χ^2/NDF: 91.1/80

- sign 0.008+/-0.009 χ^2/NDF: 40.6/40

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 49.028+/-0.009 χ^2/NDF:3973460.5/23

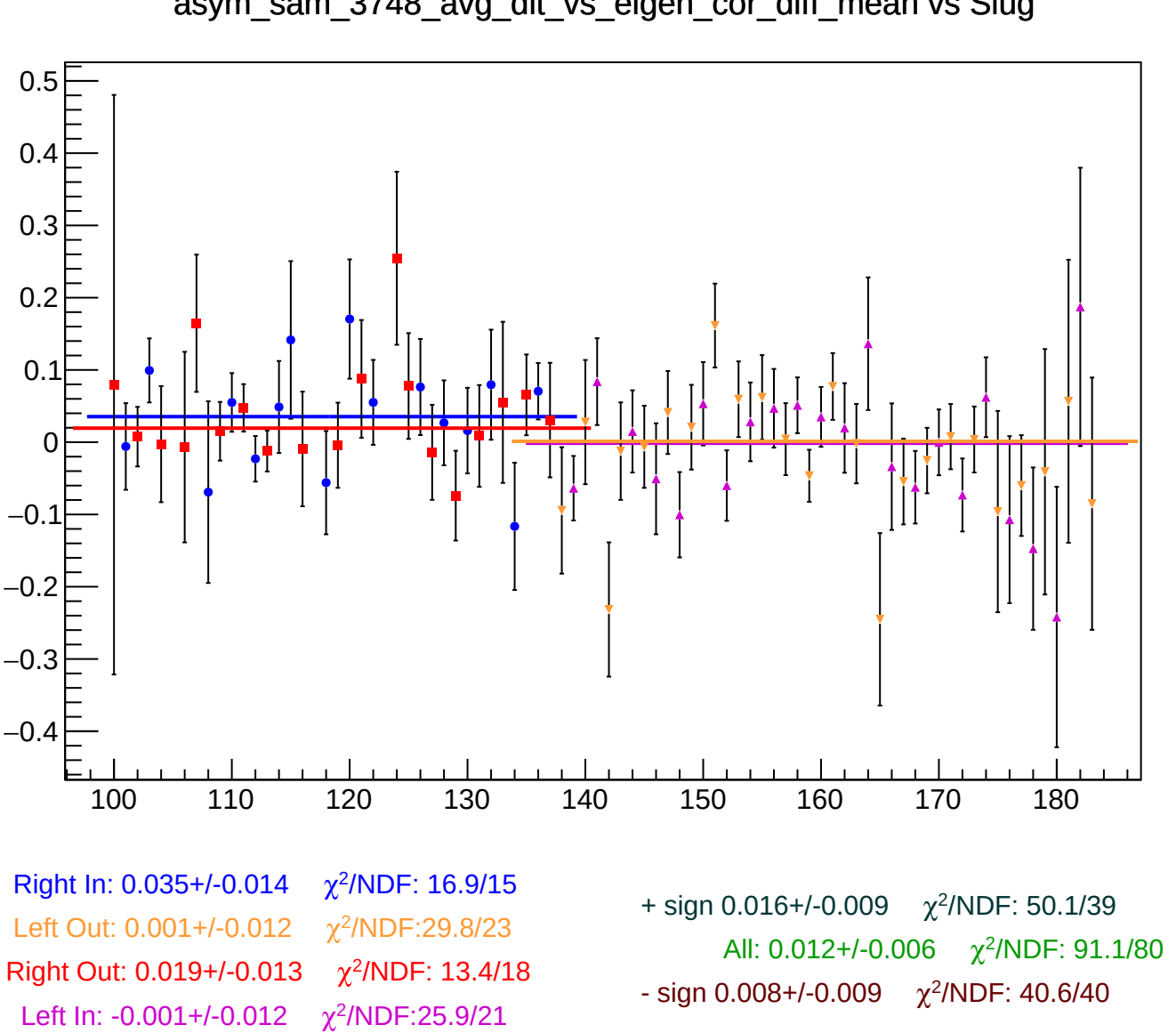
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

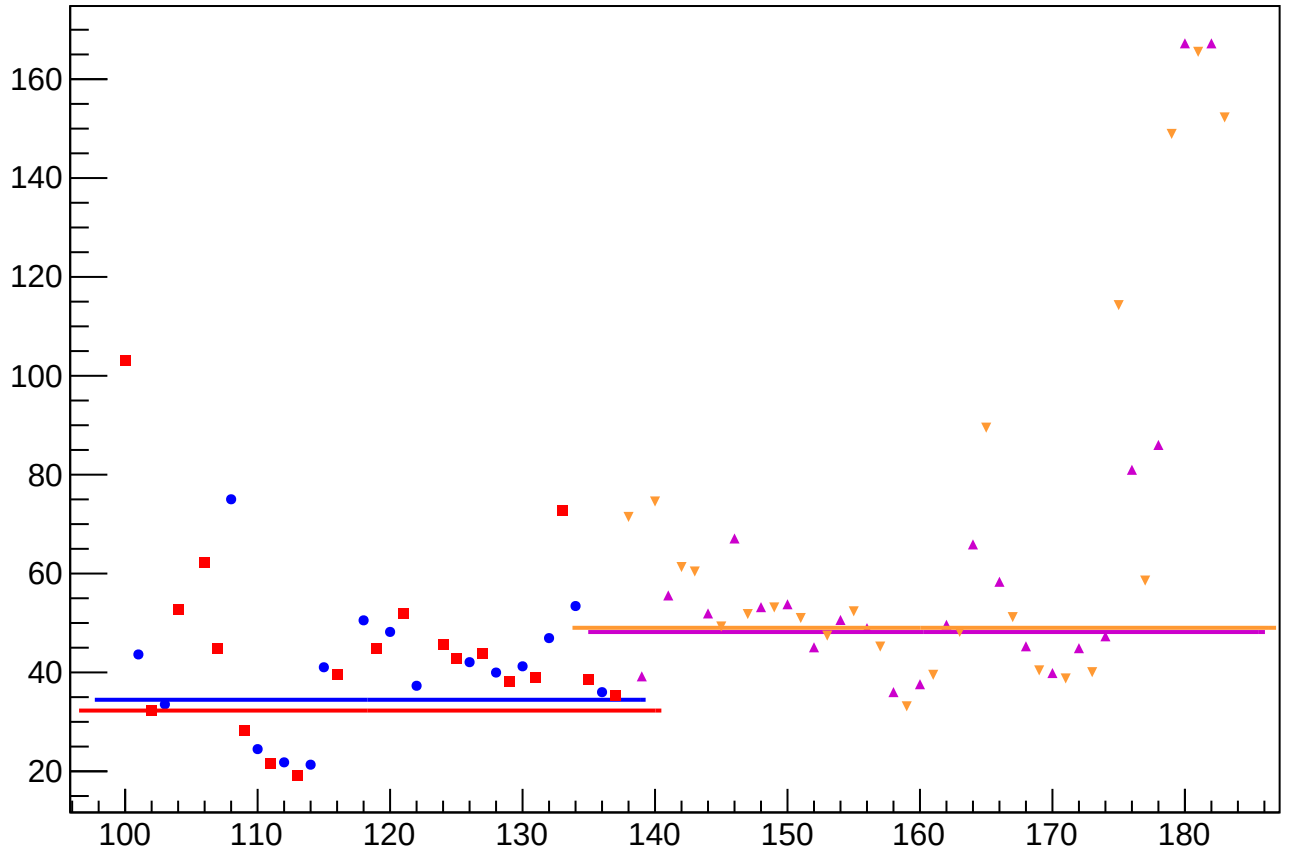
Left In: 48.168+/-0.009 χ^2/NDF:2826701.7/21

+ sign 42.622+/-0.007 χ^2/NDF: 6375224.5/39

All: 41.631+/-0.005 χ^2/NDF: 12468933.7/80

- sign 40.682+/-0.006 χ^2/NDF: 6048385.4/40


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.001+/-0.012 χ²/NDF:29.8/23
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.001+/-0.012 χ²/NDF:25.9/21
+ sign 0.016+/-0.009 χ²/NDF: 50.1/39
All: 0.012+/-0.006 χ²/NDF: 91.1/80
- sign 0.008+/-0.009 χ²/NDF: 40.6/40



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 49.028+/-0.009 χ^2/NDF:3973460.5/23

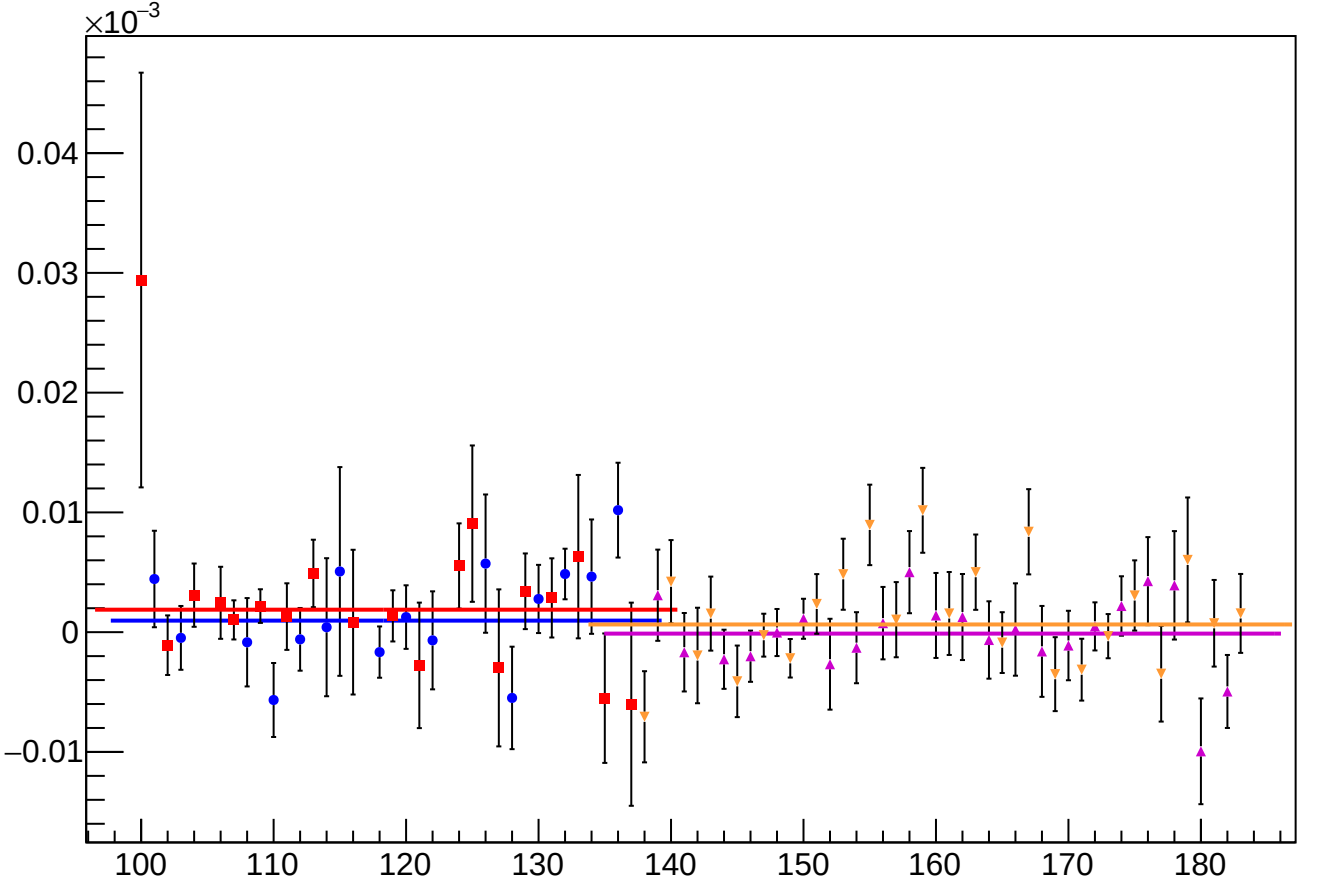
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 48.168+/-0.009 χ^2/NDF:2826701.7/21

+ sign 42.622+/-0.007 χ^2/NDF: 6375224.5/39

All: 41.631+/-0.005 χ^2/NDF: 12468933.7/80

- sign 40.682+/-0.006 χ^2/NDF: 6048385.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.6/23

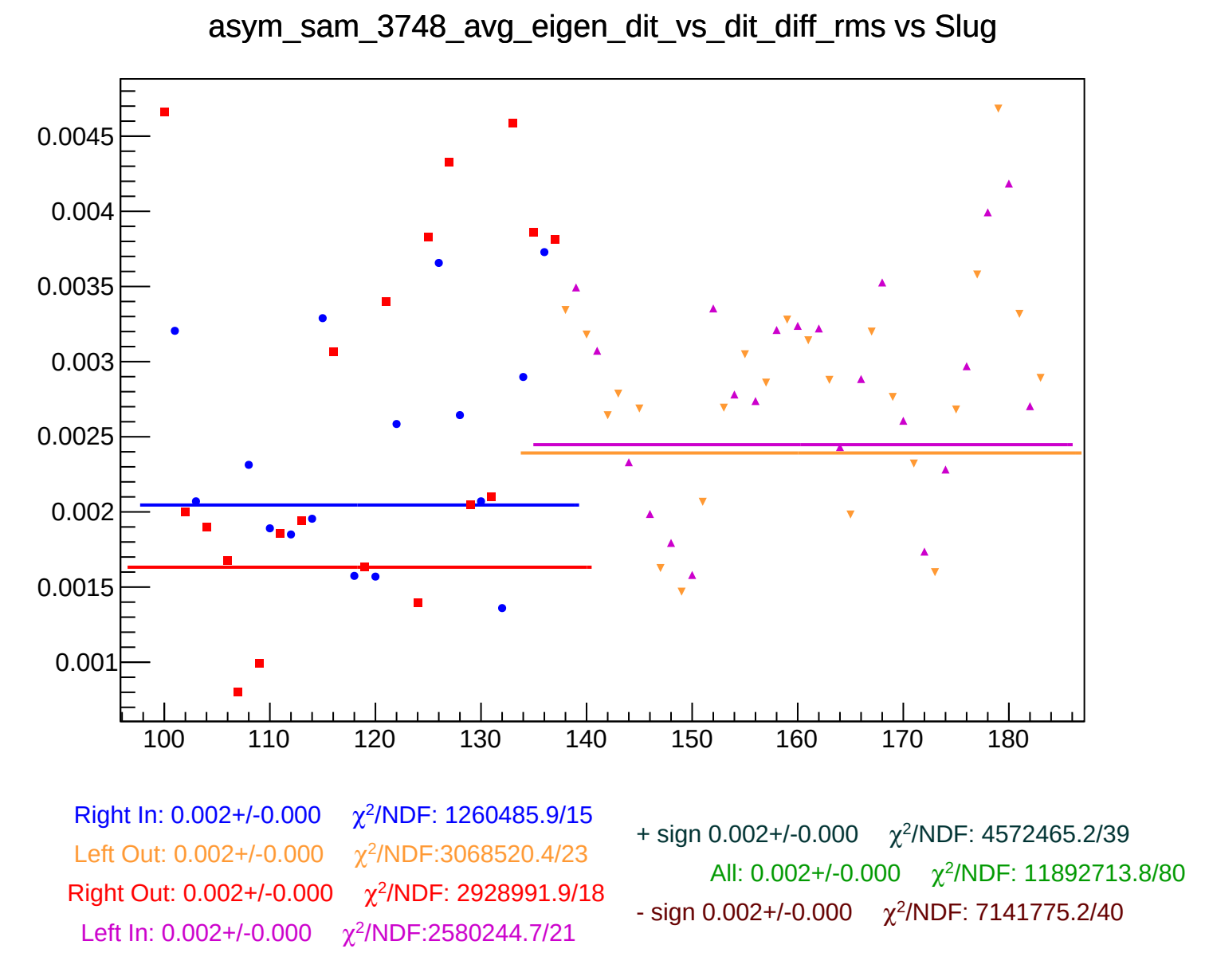
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

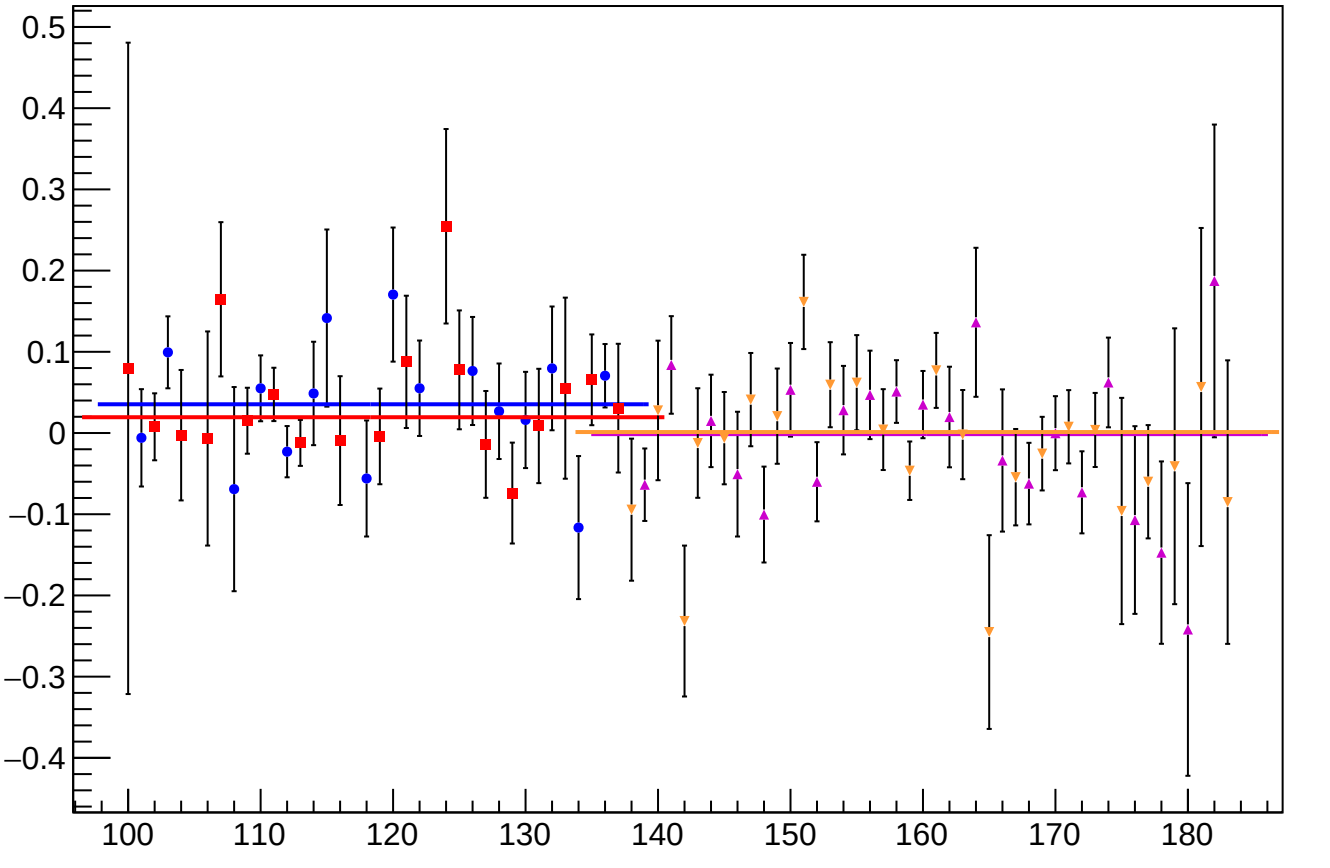
Left In: -0.000+/-0.000 χ^2/NDF:17.2/21

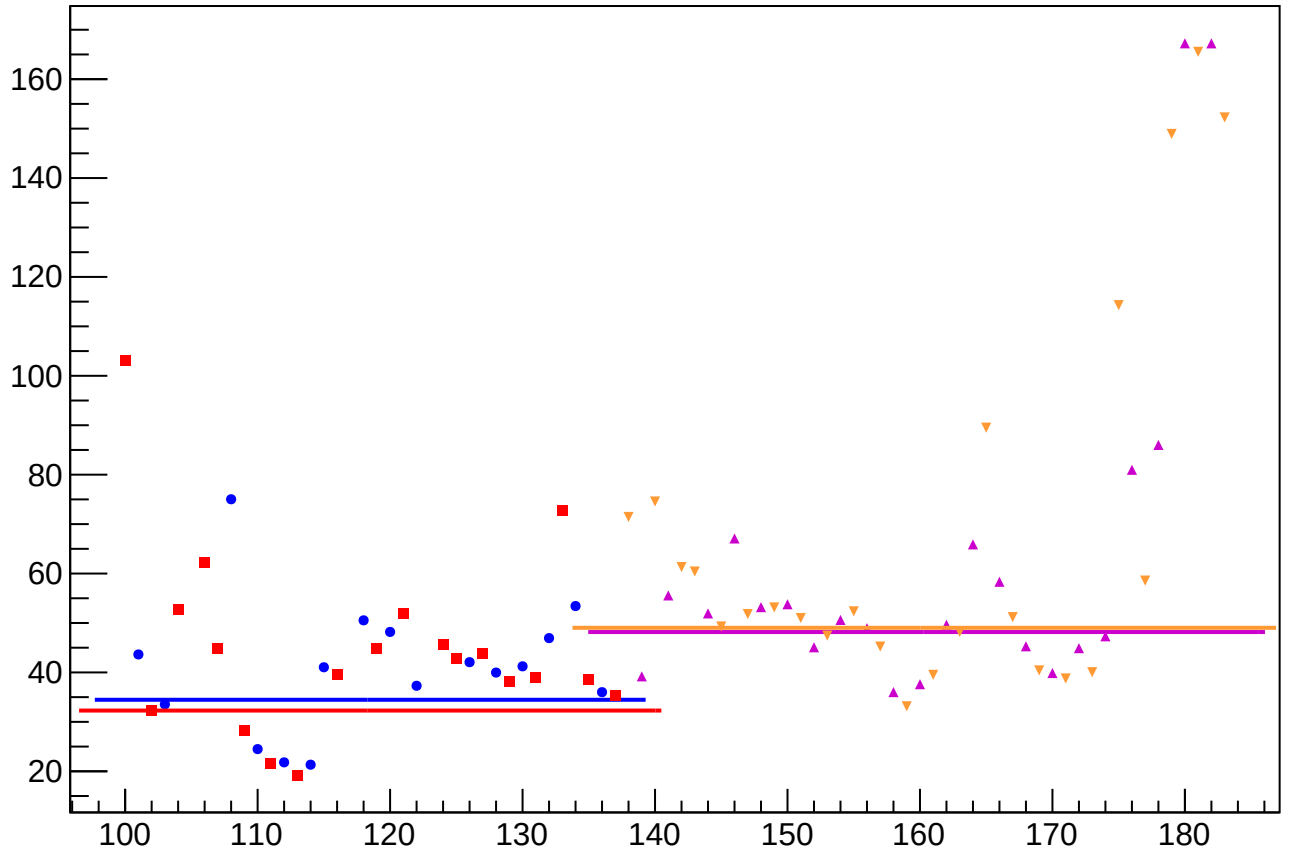
+ sign 0.000+/-0.000 χ^2/NDF: 62.6/39

All: 0.000+/-0.000 χ^2/NDF: 97.6/80

- sign 0.000+/-0.000 χ^2/NDF: 35.0/40


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:3068520.4/23
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:2580244.7/21
+ sign 0.002+/-0.000 χ²/NDF: 4572465.2/39
All: 0.002+/-0.000 χ²/NDF: 11892713.8/80
- sign 0.002+/-0.000 χ²/NDF: 7141775.2/40


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.001+/-0.012 χ²/NDF:29.8/23
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.001+/-0.012 χ²/NDF:25.9/21
+ sign 0.016+/-0.009 χ²/NDF: 50.1/39
All: 0.012+/-0.006 χ²/NDF: 91.1/80
- sign 0.008+/-0.009 χ²/NDF: 40.6/40



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 49.029+/-0.009 χ^2/NDF:3973437.1/23

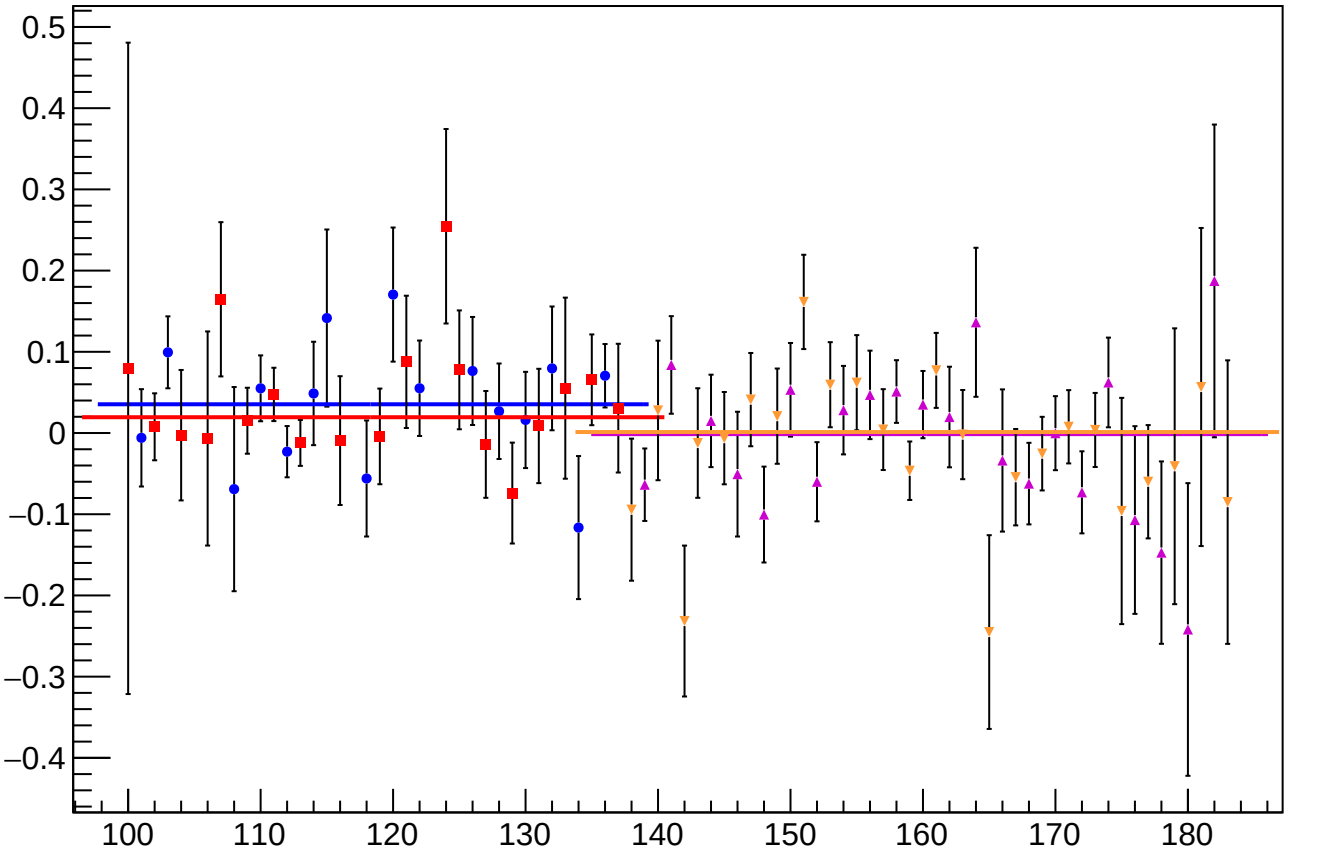
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 48.169+/-0.009 χ^2/NDF:2826670.2/21

+ sign 42.623+/-0.007 χ^2/NDF: 6375172.6/39

All: 41.631+/-0.005 χ^2/NDF: 12468822.5/80

- sign 40.683+/-0.006 χ^2/NDF: 6048327.2/40



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.8/23

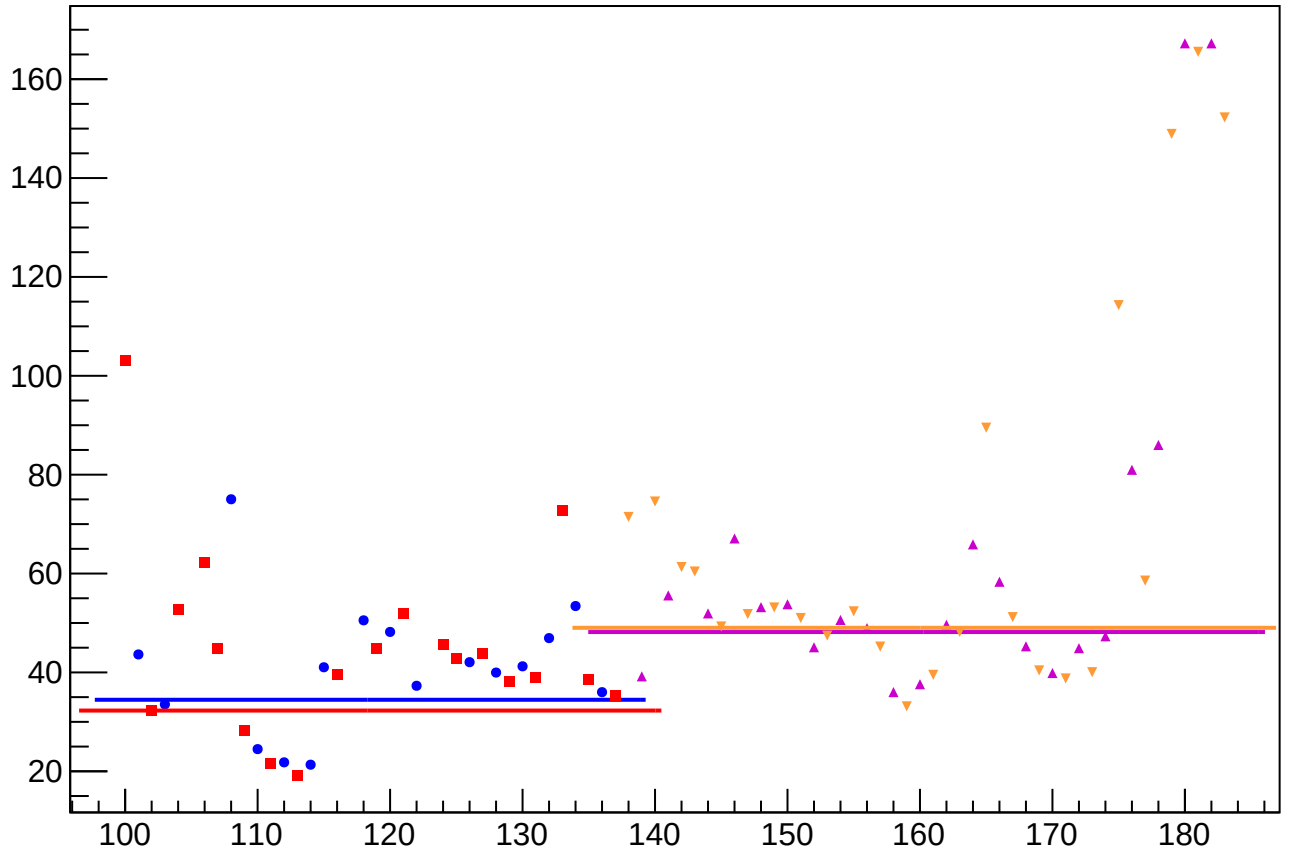
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.012 χ^2/NDF:25.9/21

+ sign 0.016+/-0.009 χ^2/NDF: 50.1/39

All: 0.012+/-0.006 χ^2/NDF: 91.1/80

- sign 0.008+/-0.009 χ^2/NDF: 40.6/40



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 49.029+/-0.009 χ^2/NDF:3973437.1/23

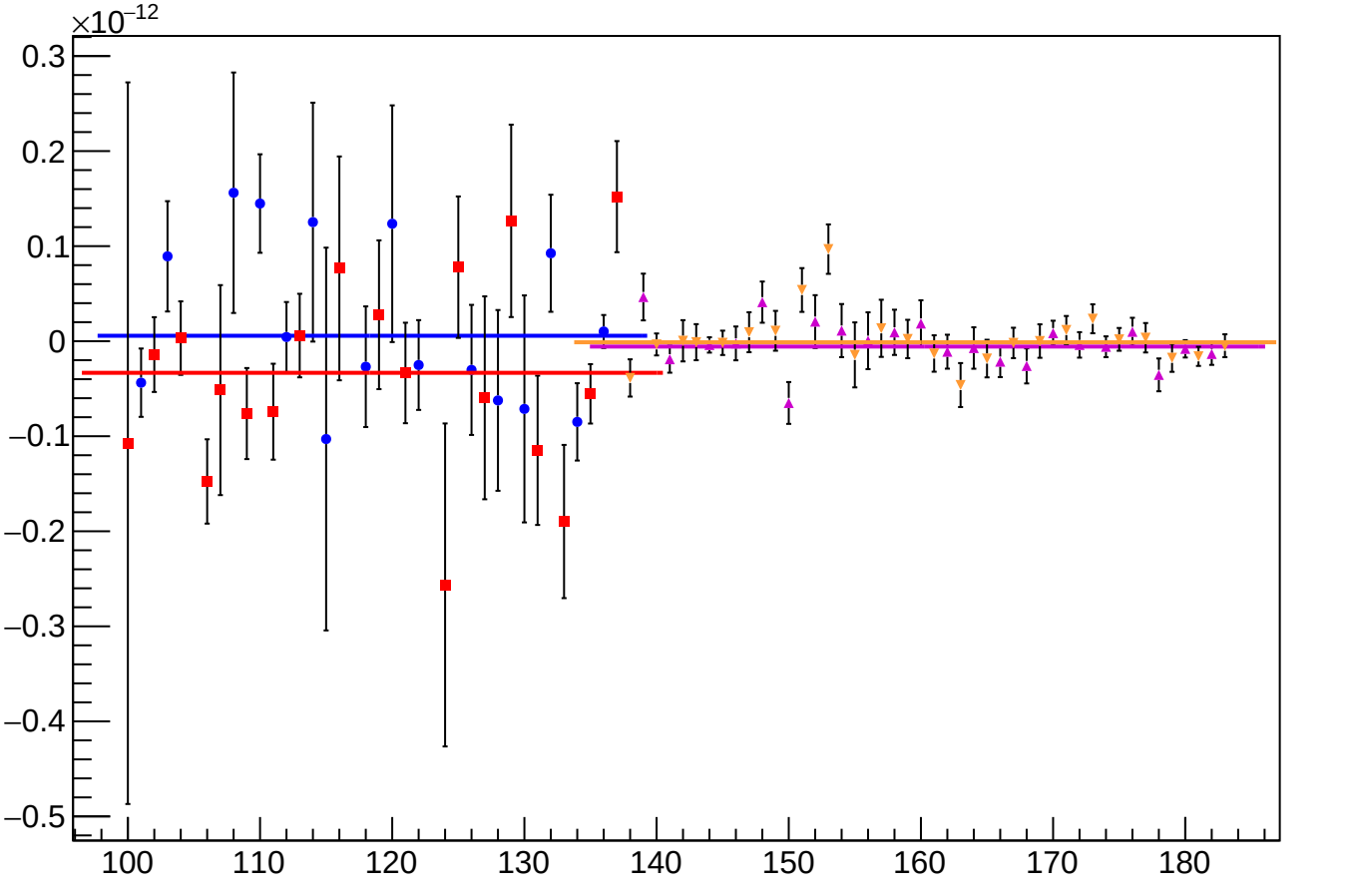
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 48.169+/-0.009 χ^2/NDF:2826670.2/21

+ sign 42.623+/-0.007 χ^2/NDF: 6375172.6/39

All: 41.631+/-0.005 χ^2/NDF: 12468822.5/80

- sign 40.683+/-0.006 χ^2/NDF: 6048327.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.6/23

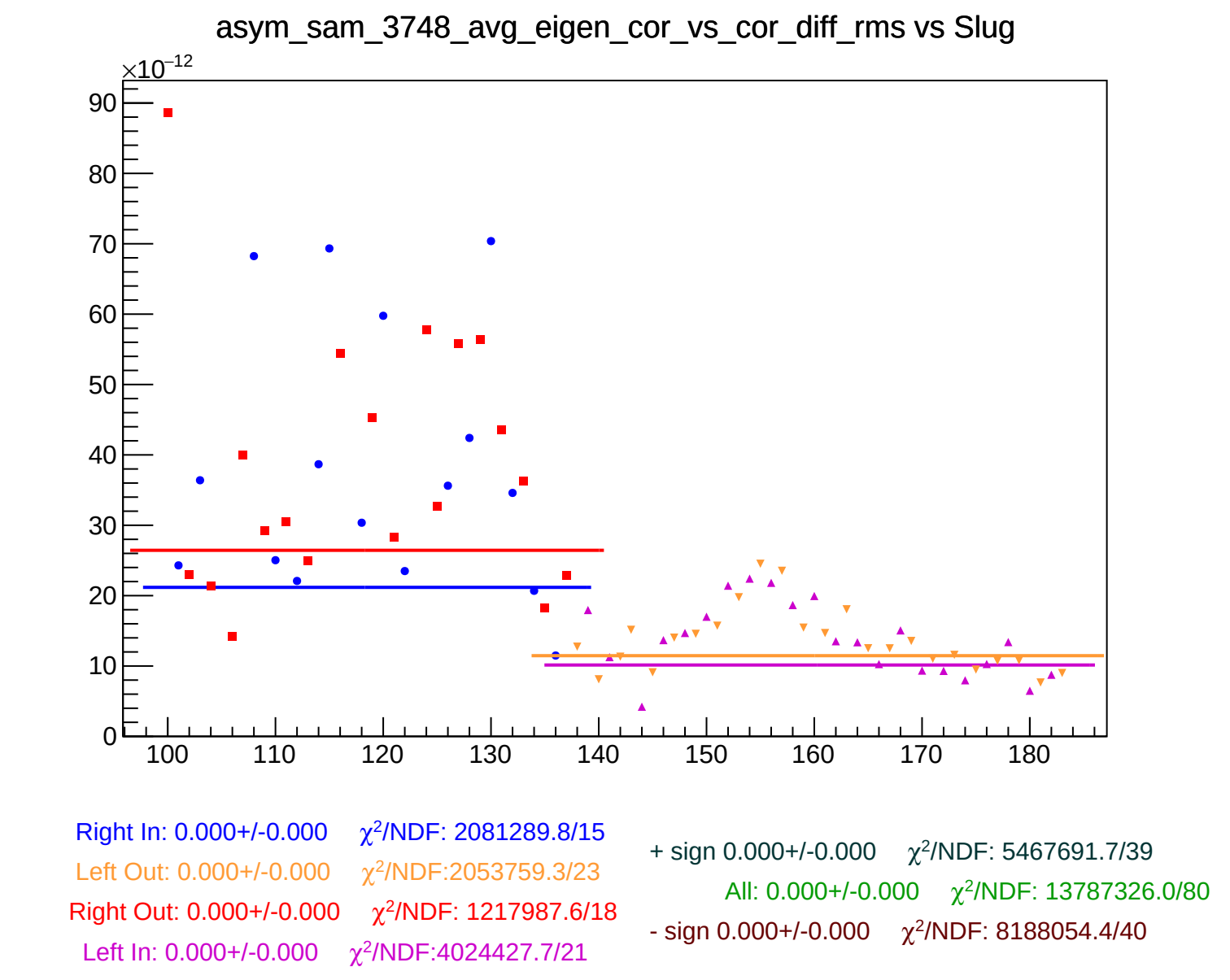
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:28.1/21

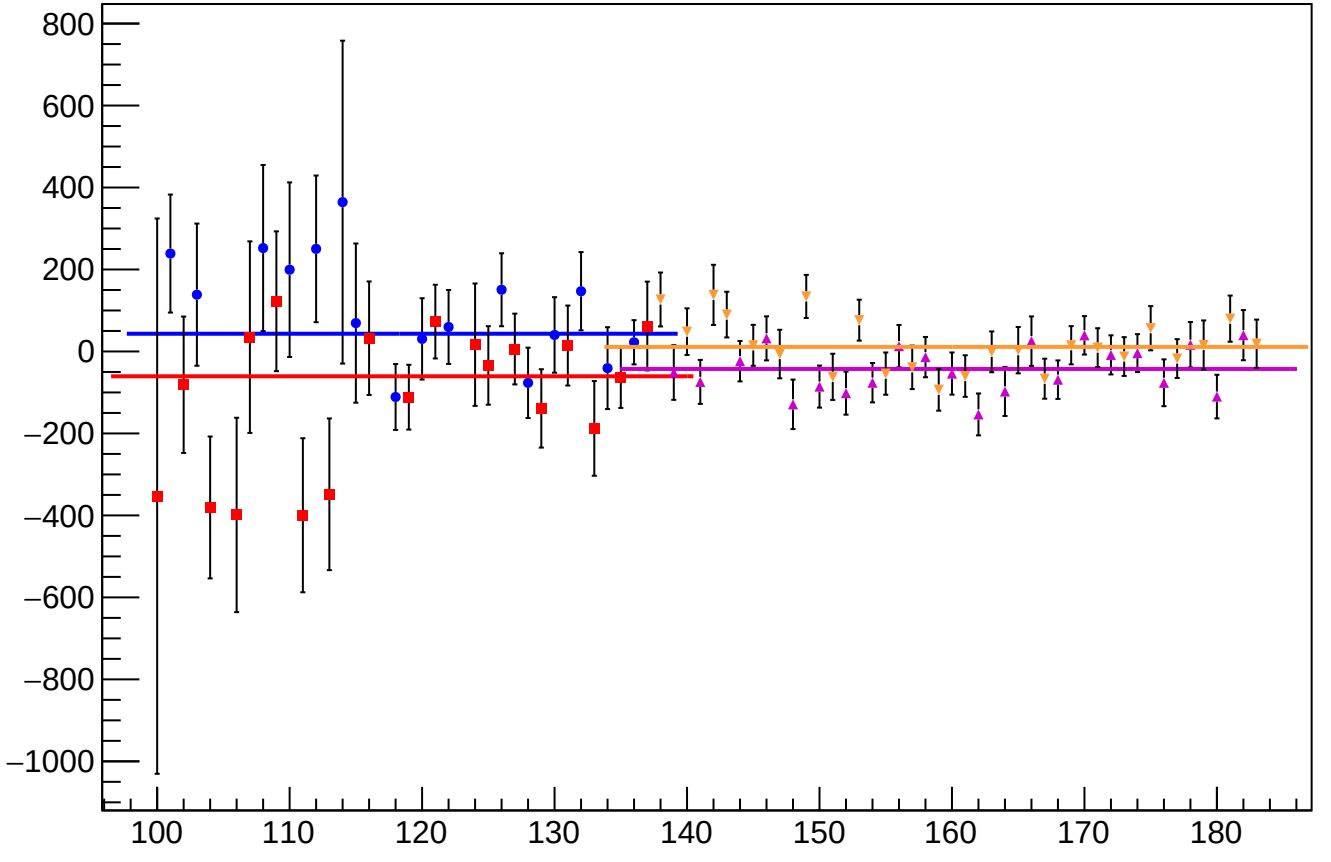
+ sign -0.000+/-0.000 χ^2/NDF: 60.5/39

All: -0.000+/-0.000 χ^2/NDF: 128.5/80

- sign -0.000+/-0.000 χ^2/NDF: 65.8/40


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2053759.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:4024427.7/21
+ sign 0.000+/-0.000 χ²/NDF: 5467691.7/39
All: 0.000+/-0.000 χ²/NDF: 13787326.0/80
- sign 0.000+/-0.000 χ²/NDF: 8188054.4/40

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 11.157+/-10.858 χ^2/NDF:31.6/23

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

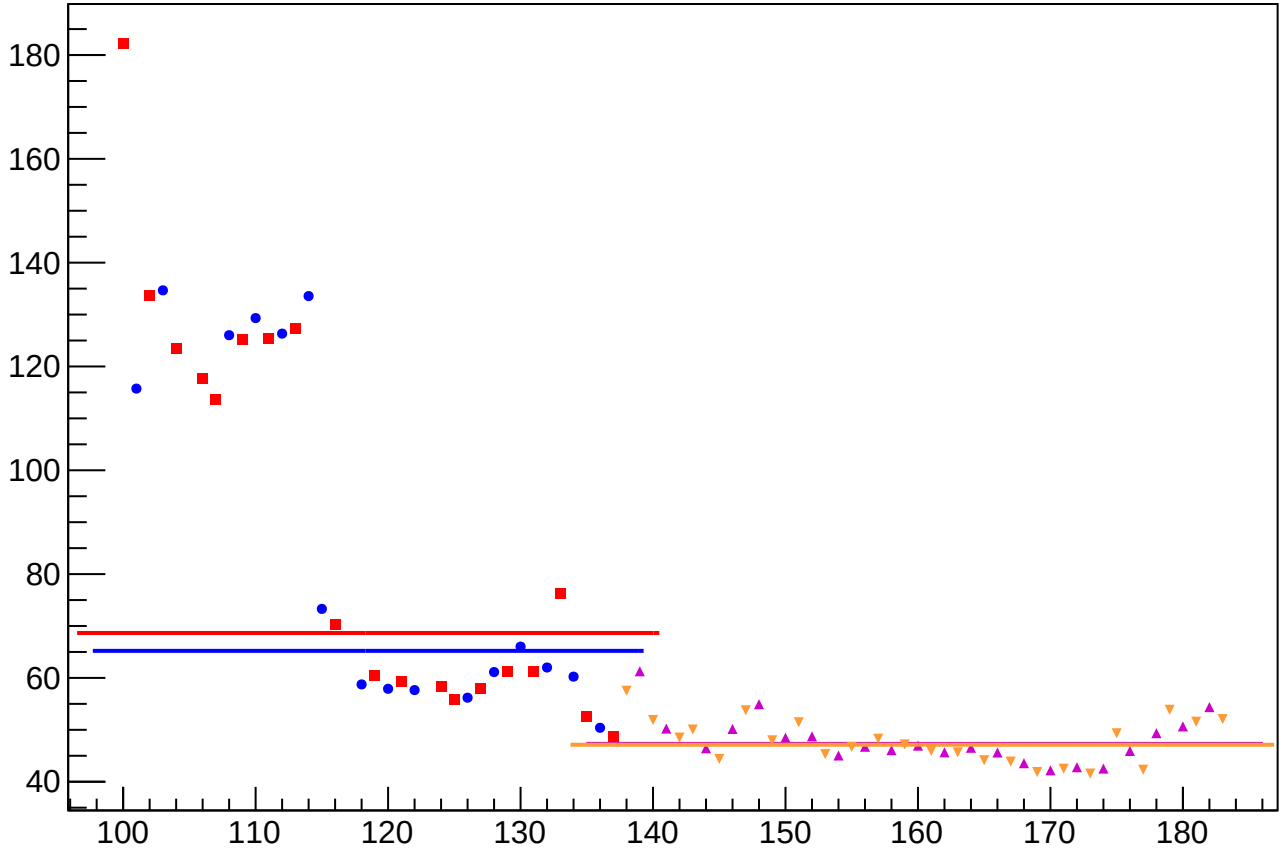
Left In: -42.711+/-11.216 χ^2/NDF:24.8/21

+ sign 15.992+/-10.007 χ^2/NDF: 47.9/39

All: -13.644+/-7.195 χ^2/NDF: 111.6/80

- sign -45.359+/-10.352 χ^2/NDF: 45.6/40

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 47.132+/-0.008 χ^2/NDF:282784.8/23

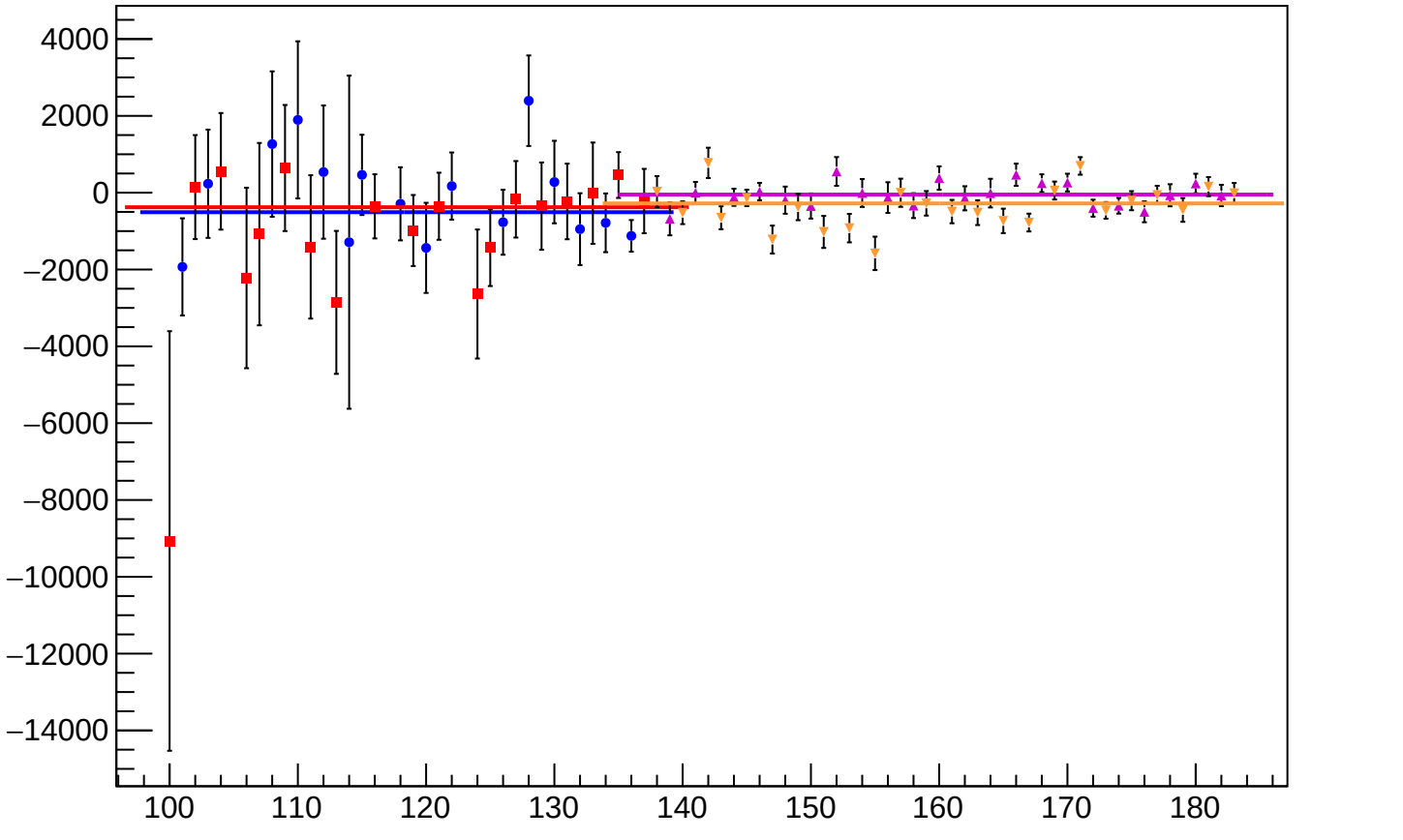
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.286+/-0.008 χ^2/NDF:258321.7/21

+ sign 49.856+/-0.007 χ^2/NDF: 2564780.5/39

All: 50.144+/-0.005 χ^2/NDF: 5543164.6/80

- sign 50.452+/-0.007 χ^2/NDF: 2974960.3/40



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -280.252+/-58.652 χ^2/NDF:66.9/23

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

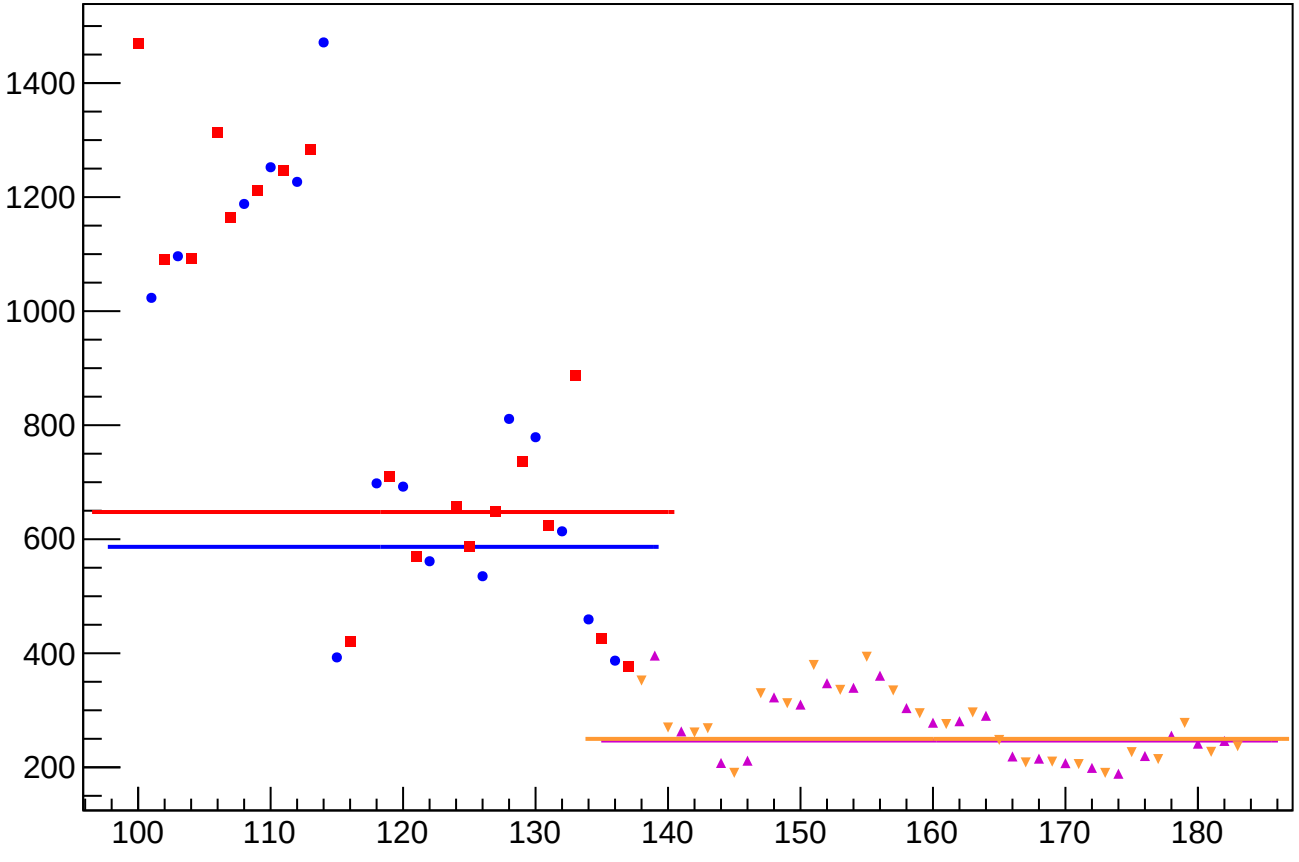
Left In: -49.298+/-59.632 χ^2/NDF:24.1/21

+ sign -293.398+/-56.934 χ^2/NDF: 83.4/39

All: -182.071+/-40.658 χ^2/NDF: 128.6/80

- sign -66.211+/-58.082 χ^2/NDF: 37.4/40

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 249.871+/-0.041 χ^2/NDF:1637223.7/23

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

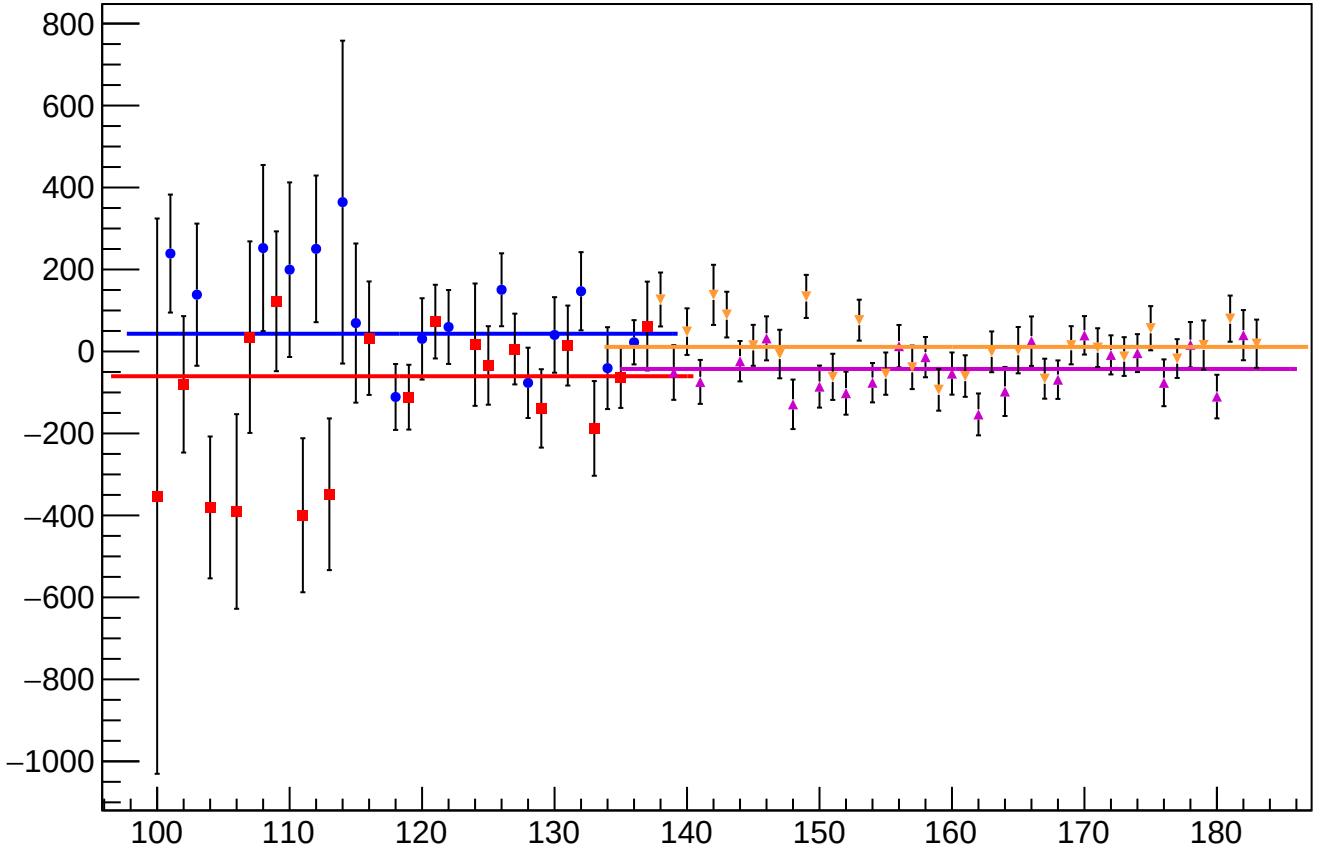
Left In: 246.955+/-0.042 χ^2/NDF:1483604.8/21

+ sign 269.315+/-0.040 χ^2/NDF: 7497392.6/39

All: 268.435+/-0.029 χ^2/NDF: 15723225.0/80

- sign 267.520+/-0.041 χ^2/NDF: 8224858.4/40

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 11.159+/-10.858 χ^2/NDF:31.6/23

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

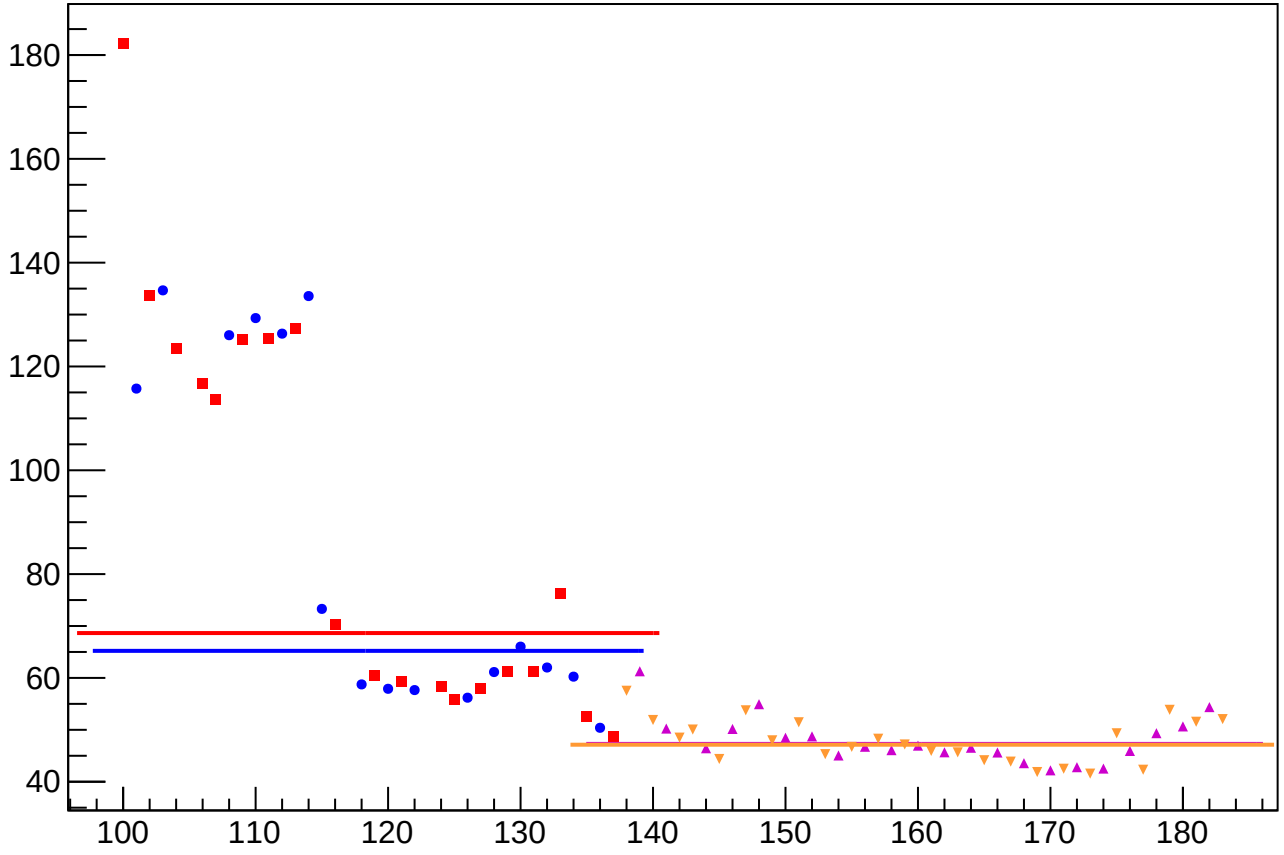
Left In: -42.711+/-11.216 χ^2/NDF:24.8/21

+ sign 15.992+/-10.007 χ^2/NDF: 47.9/39

All: -13.633+/-7.195 χ^2/NDF: 111.5/80

- sign -45.336+/-10.352 χ^2/NDF: 45.5/40

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.132+/-0.008 χ^2/NDF:282784.8/23

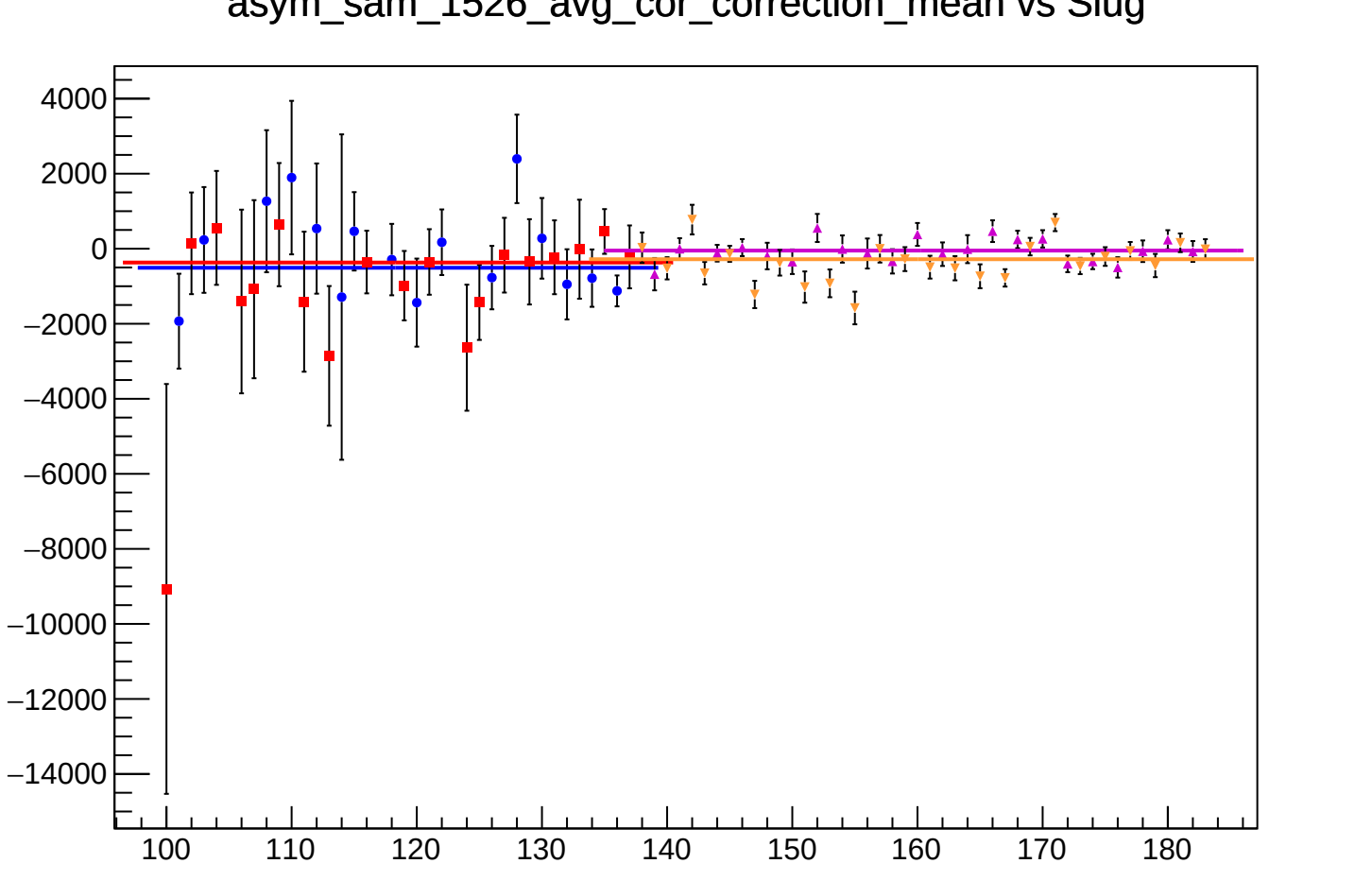
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.286+/-0.008 χ^2/NDF:258321.7/21

+ sign 49.856+/-0.007 χ^2/NDF: 2564782.5/39

All: 50.143+/-0.005 χ^2/NDF: 5538294.0/80

- sign 50.450+/-0.007 χ^2/NDF: 2970114.0/40



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -280.250+/-58.652 χ^2/NDF:66.9/23

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

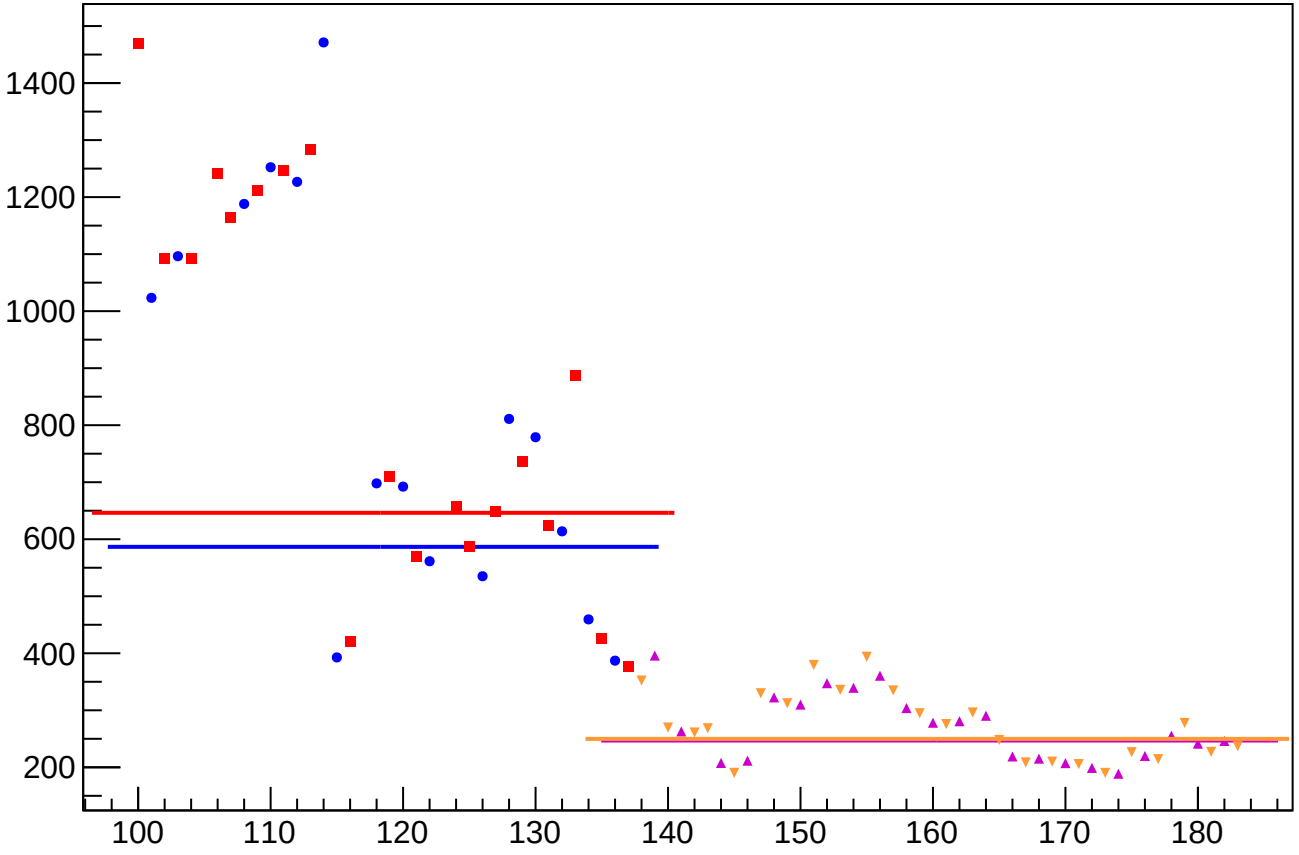
Left In: -49.296+/-59.632 χ^2/NDF:24.1/21

+ sign -293.394+/-56.934 χ^2/NDF: 83.4/39

All: -181.798+/-40.659 χ^2/NDF: 128.1/80

- sign -65.651+/-58.083 χ^2/NDF: 36.9/40

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 249.870+/-0.041 χ^2/NDF:1637233.3/23

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

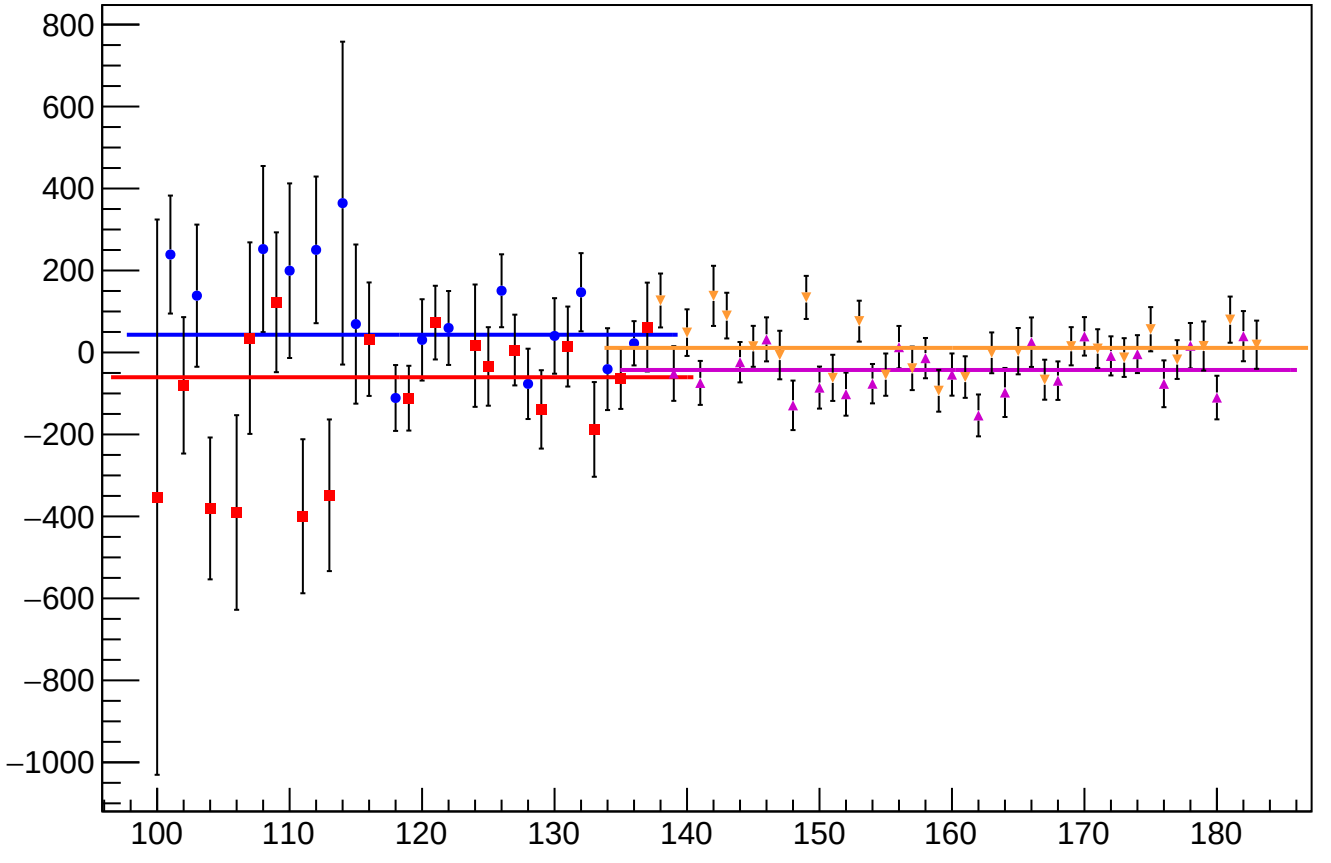
Left In: 246.955+/-0.042 χ^2/NDF:1483599.4/21

+ sign 269.315+/-0.040 χ^2/NDF: 7497426.3/39

All: 268.390+/-0.029 χ^2/NDF: 15644062.7/80

- sign 267.429+/-0.041 χ^2/NDF: 8145561.1/40

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 11.159+/-10.858 χ^2/NDF:31.6/23

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

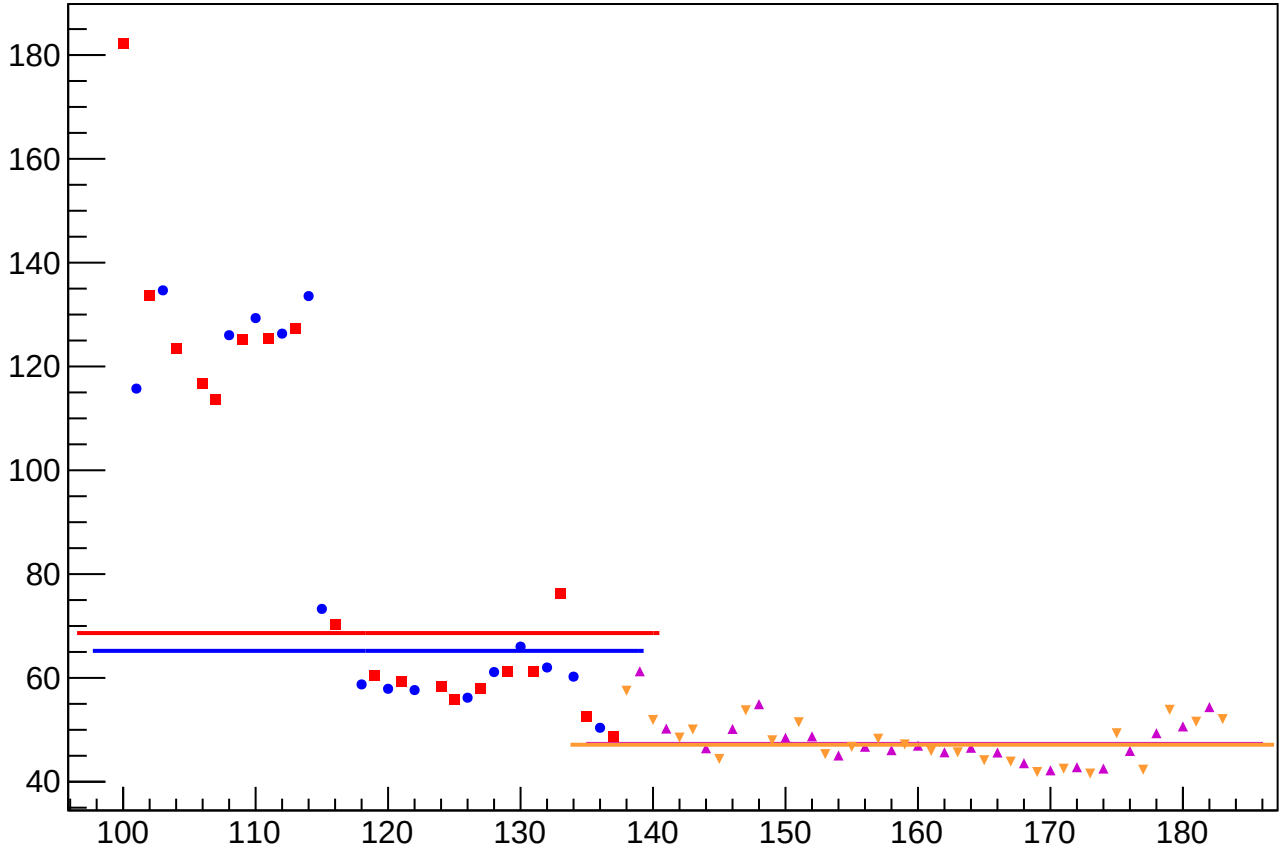
Left In: -42.711+/-11.216 χ^2/NDF:24.8/21

+ sign 15.992+/-10.007 χ^2/NDF: 47.9/39

All: -13.633+/-7.195 χ^2/NDF: 111.5/80

- sign -45.336+/-10.352 χ^2/NDF: 45.5/40

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.132+/-0.008 χ^2/NDF:282784.8/23

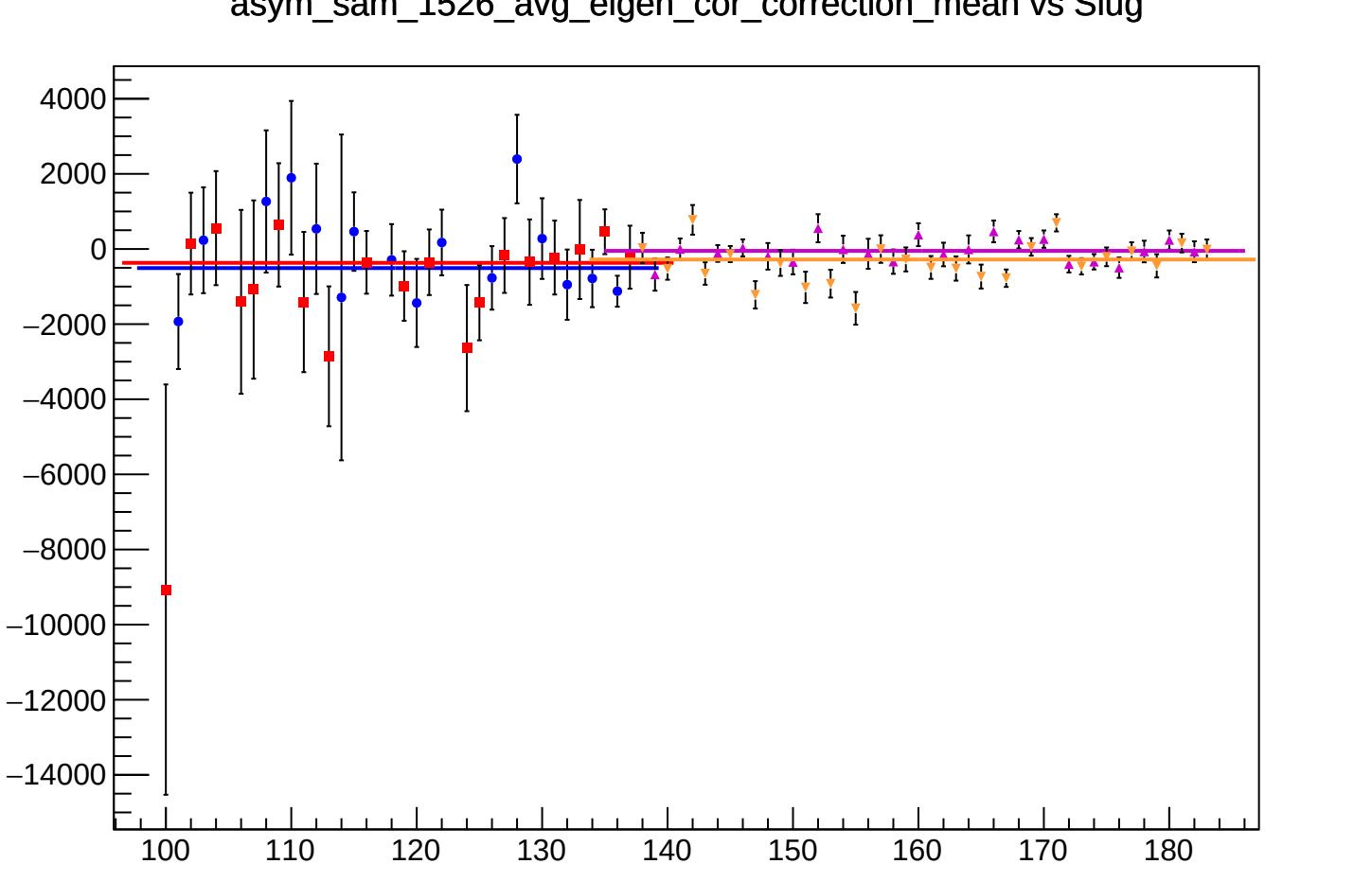
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.286+/-0.008 χ^2/NDF:258321.7/21

+ sign 49.856+/-0.007 χ^2/NDF: 2564782.5/39

All: 50.143+/-0.005 χ^2/NDF: 5538294.0/80

- sign 50.450+/-0.007 χ^2/NDF: 2970114.0/40



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -280.250+/-58.652 χ^2/NDF:66.9/23

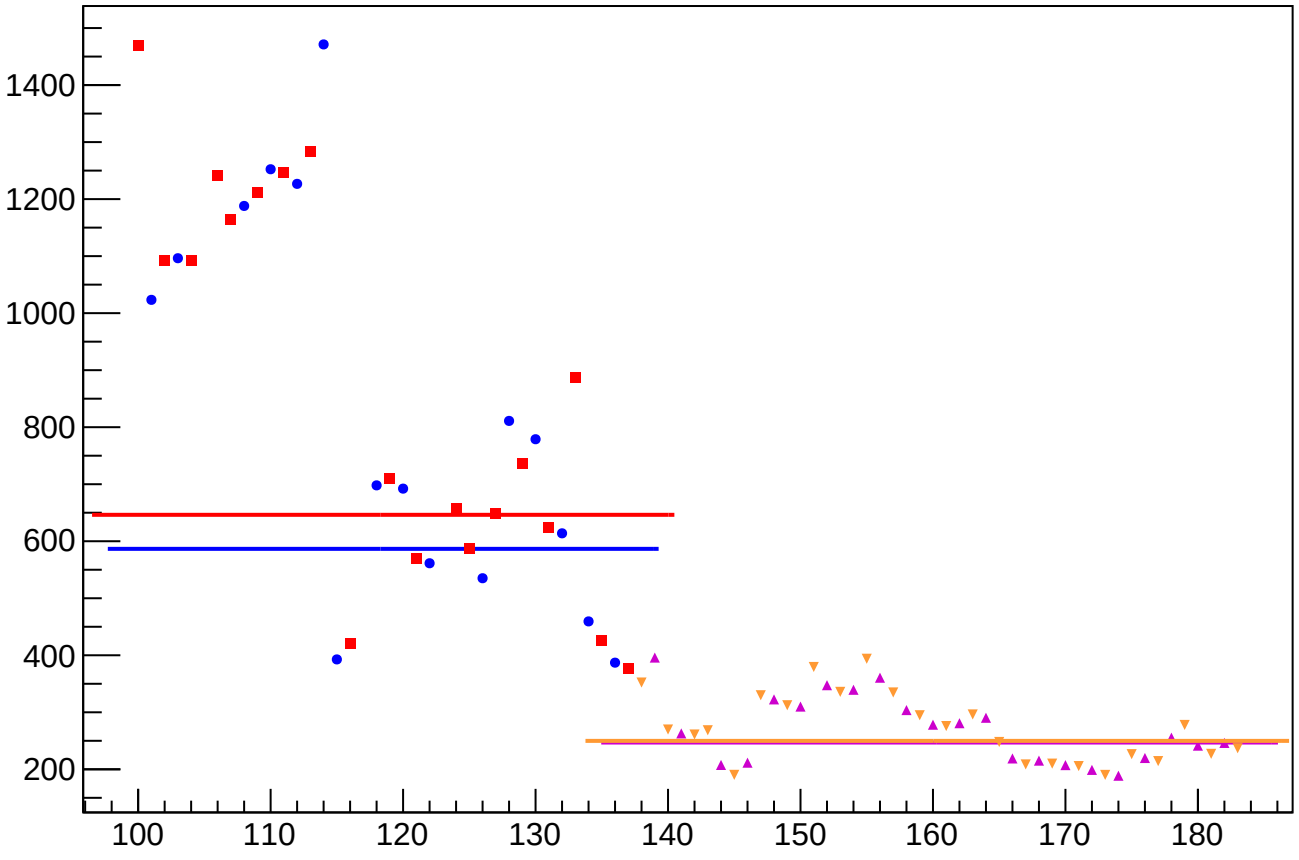
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -49.296+/-59.632 χ^2/NDF:24.1/21

+ sign -293.394+/-56.934 χ^2/NDF: 83.4/39

All: -181.798+/-40.659 χ^2/NDF: 128.1/80

- sign -65.651+/-58.083 χ^2/NDF: 36.9/40



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 249.870+/-0.041 χ^2/NDF:1637233.3/23

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

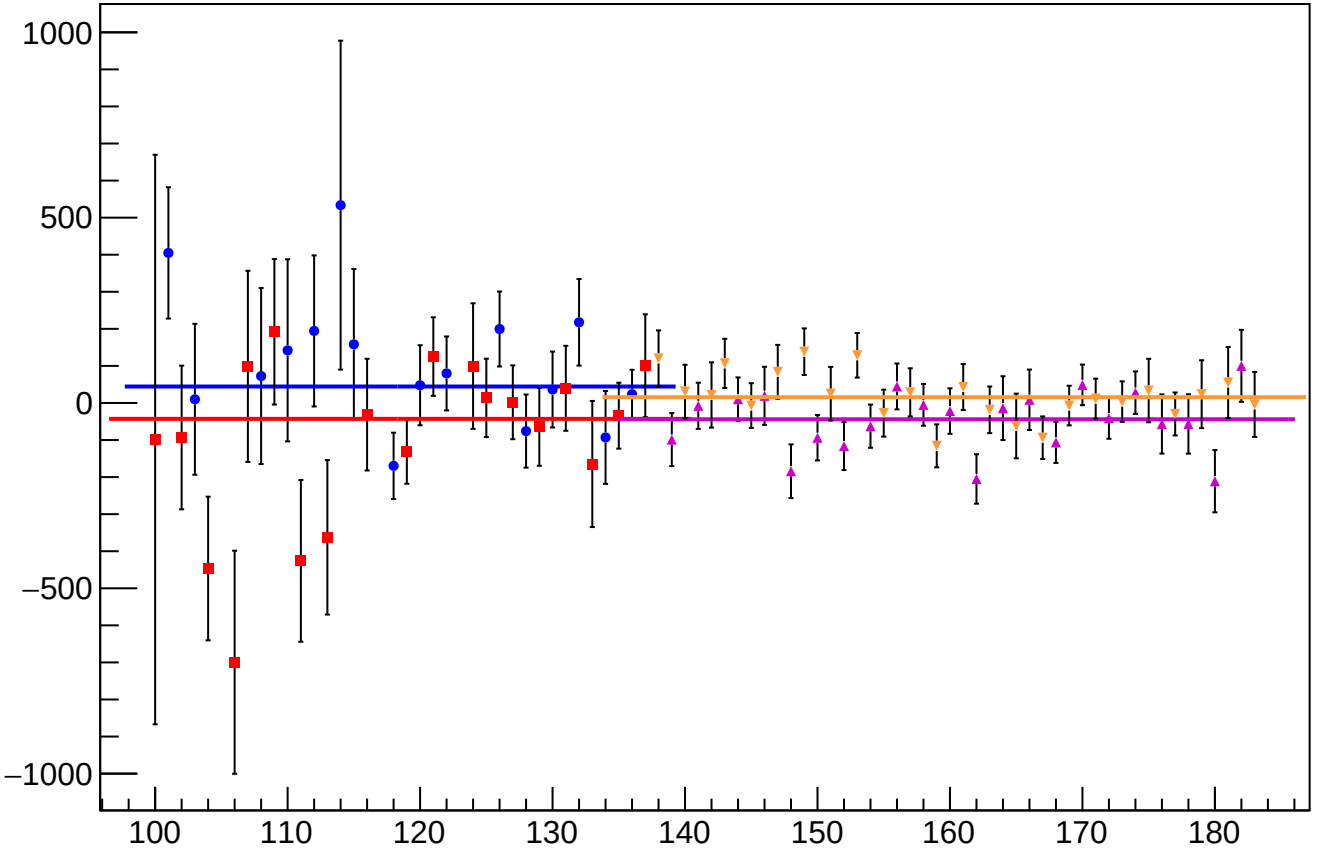
Left In: 246.955+/-0.042 χ^2/NDF:1483599.4/21

+ sign 269.315+/-0.040 χ^2/NDF: 7497426.3/39

All: 268.390+/-0.029 χ^2/NDF: 15644062.7/80

- sign 267.429+/-0.041 χ^2/NDF: 8145561.1/40

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 15.675+/-13.534 χ^2/NDF:23.9/23

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

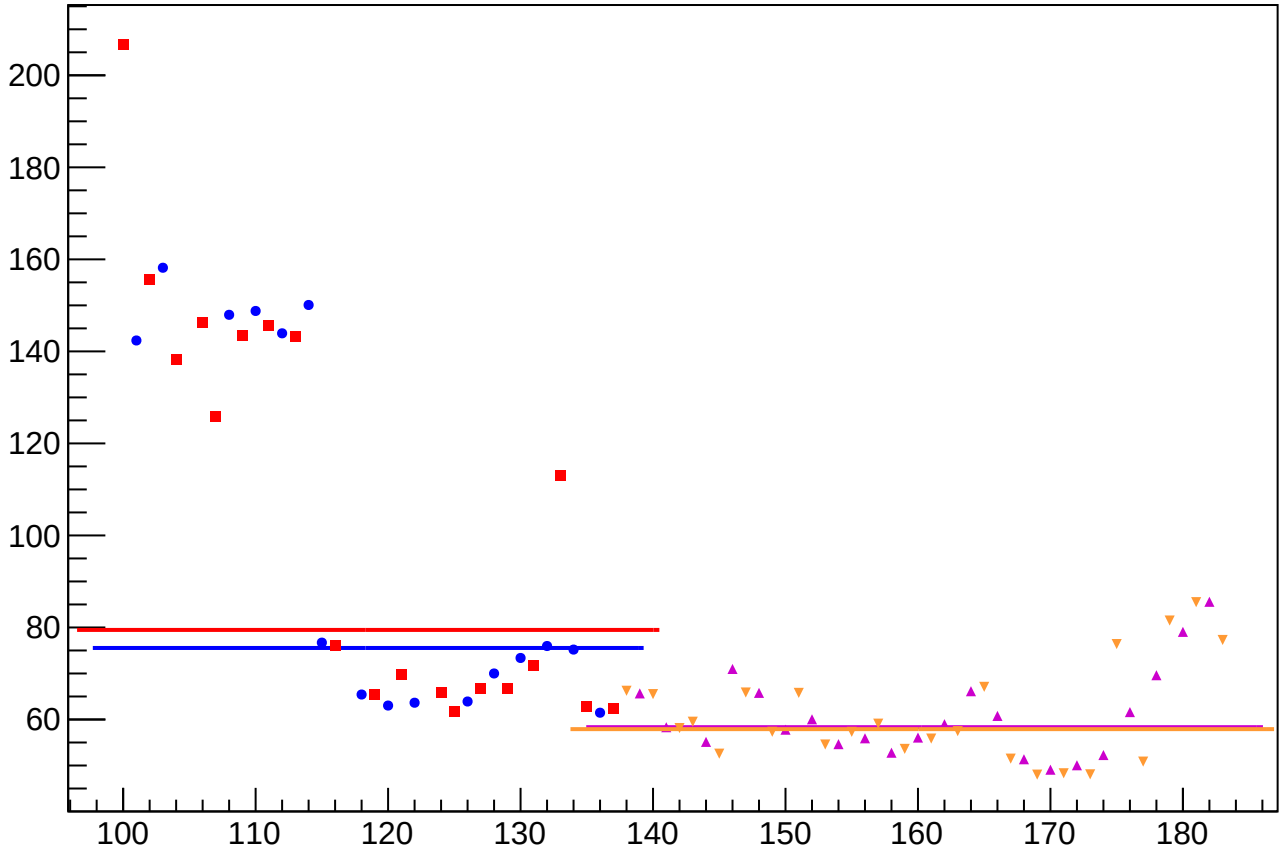
Left In: -43.917+/-14.011 χ^2/NDF:29.1/21

+ sign 20.555+/-12.331 χ^2/NDF: 44.3/39

All: -10.434+/-8.875 χ^2/NDF: 109.8/80

- sign -43.747+/-12.785 χ^2/NDF: 52.4/40

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 57.905+/-0.010 χ^2/NDF:893532.5/23

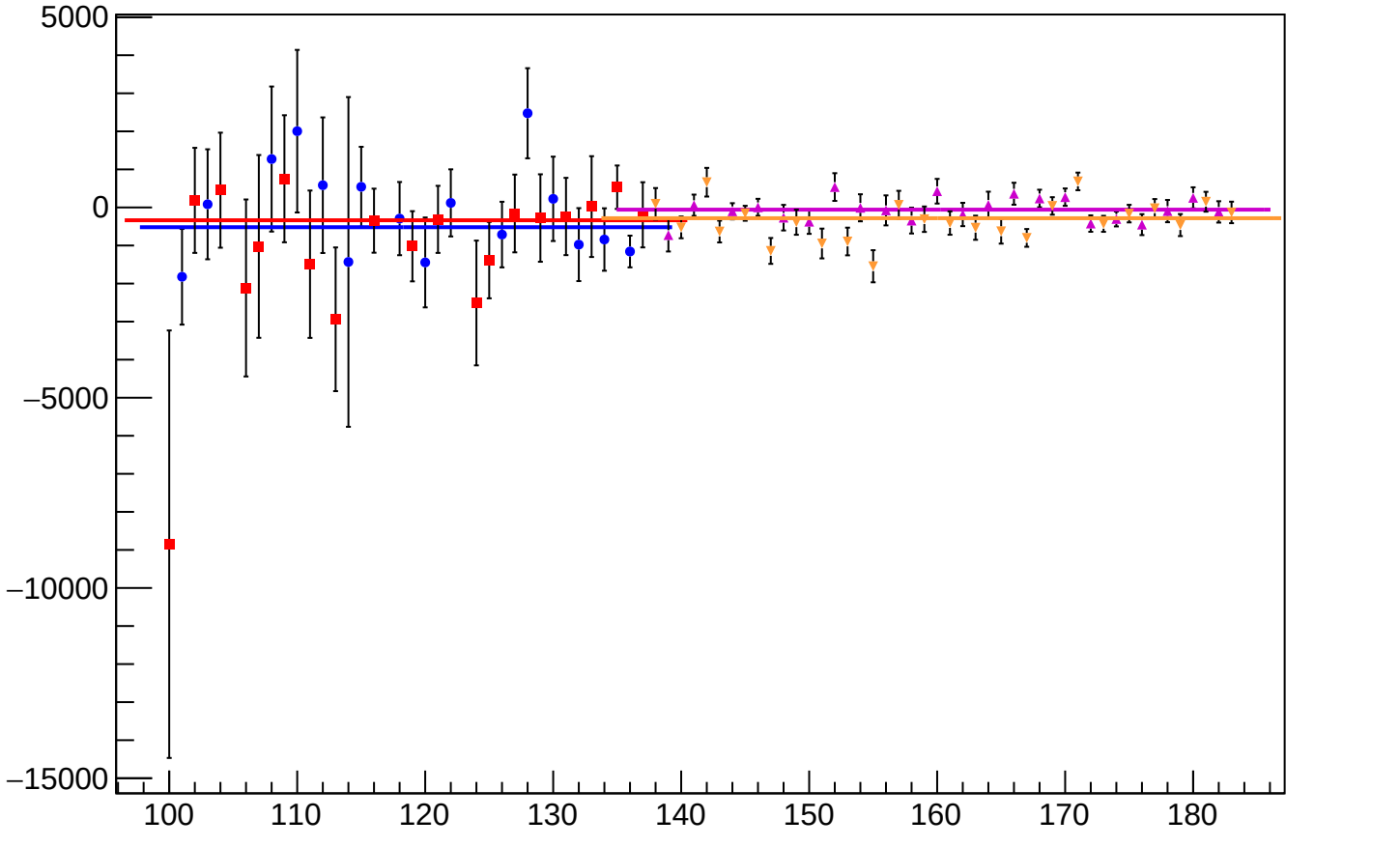
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.334+/-0.010 χ^2/NDF:631050.0/21

+ sign 60.903+/-0.009 χ^2/NDF: 2936541.1/39

All: 61.370+/-0.006 χ^2/NDF: 6018681.9/80

- sign 61.871+/-0.009 χ^2/NDF: 3076195.6/40



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -282.927+/-57.683 χ^2/NDF:63.5/23

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

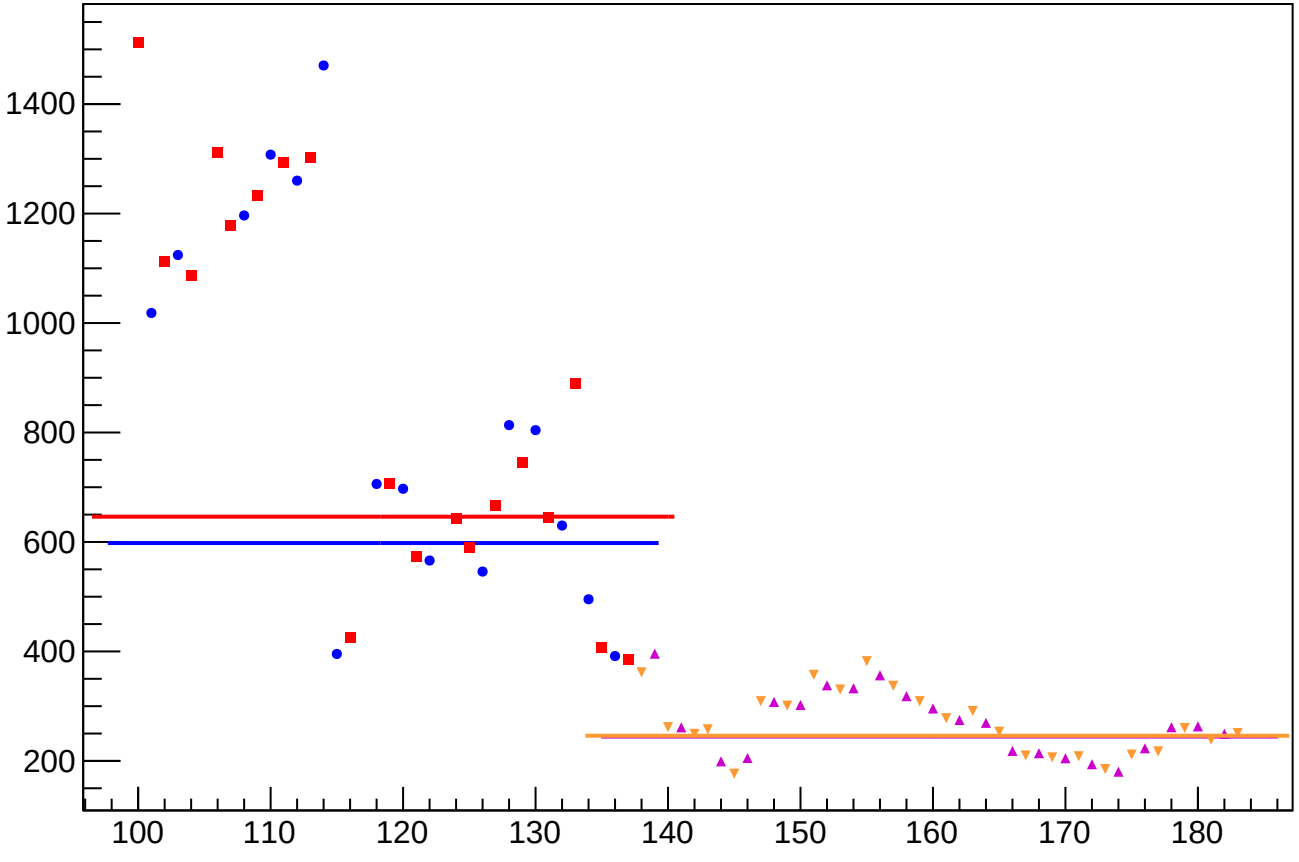
Left In: -57.600+/-59.122 χ^2/NDF:23.6/21

+ sign -295.700+/-56.103 χ^2/NDF: 80.2/39

All: -186.658+/-40.194 χ^2/NDF: 124.6/80

- sign -71.669+/-57.612 χ^2/NDF: 36.7/40

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 246.029+/-0.041 χ^2/NDF:1680558.1/23

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

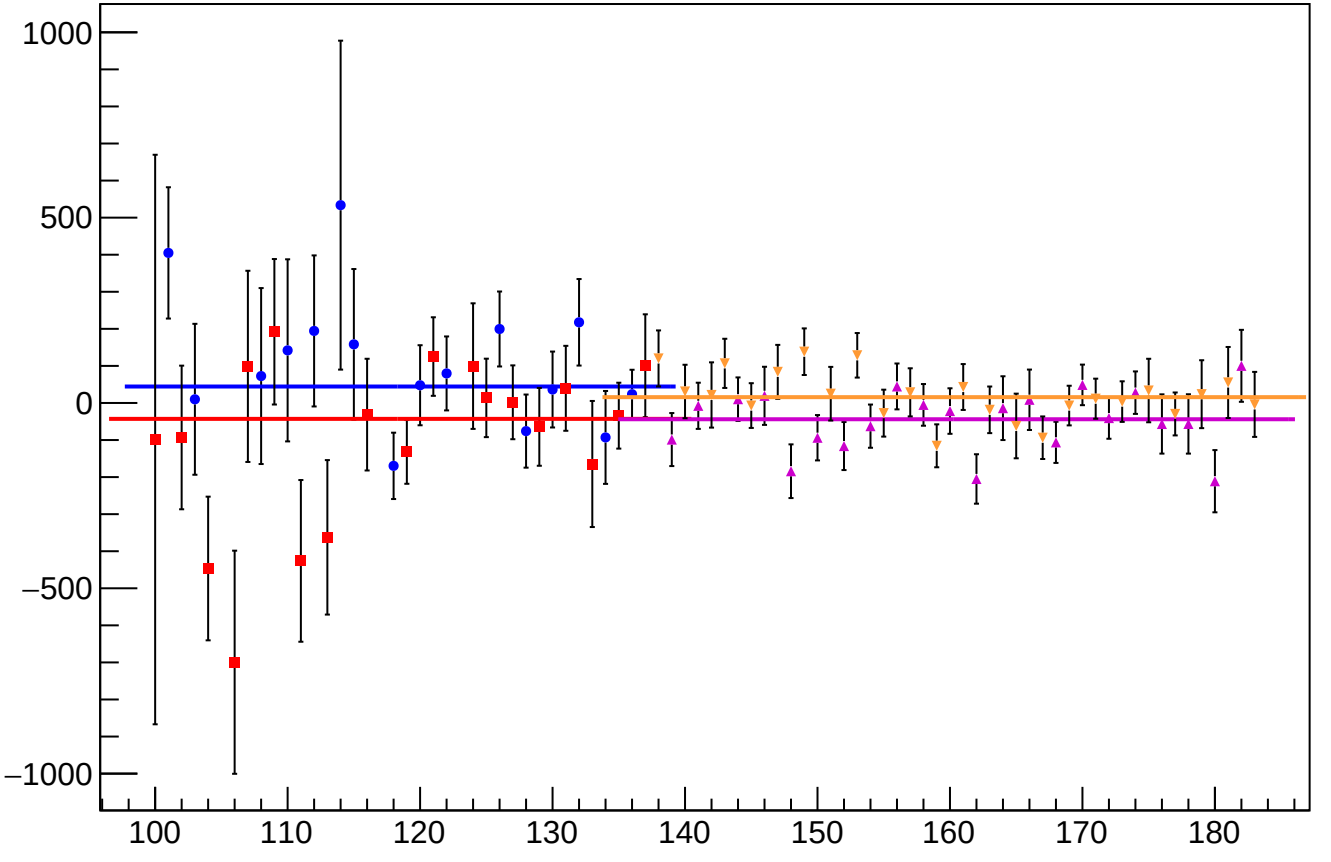
Left In: 244.449+/-0.042 χ^2/NDF:1596988.0/21

+ sign 265.056+/-0.040 χ^2/NDF: 7754121.3/39

All: 264.882+/-0.028 χ^2/NDF: 16211242.2/80

- sign 264.698+/-0.041 χ^2/NDF: 8457081.4/40

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 15.674+/-13.534 χ^2/NDF:23.9/23

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

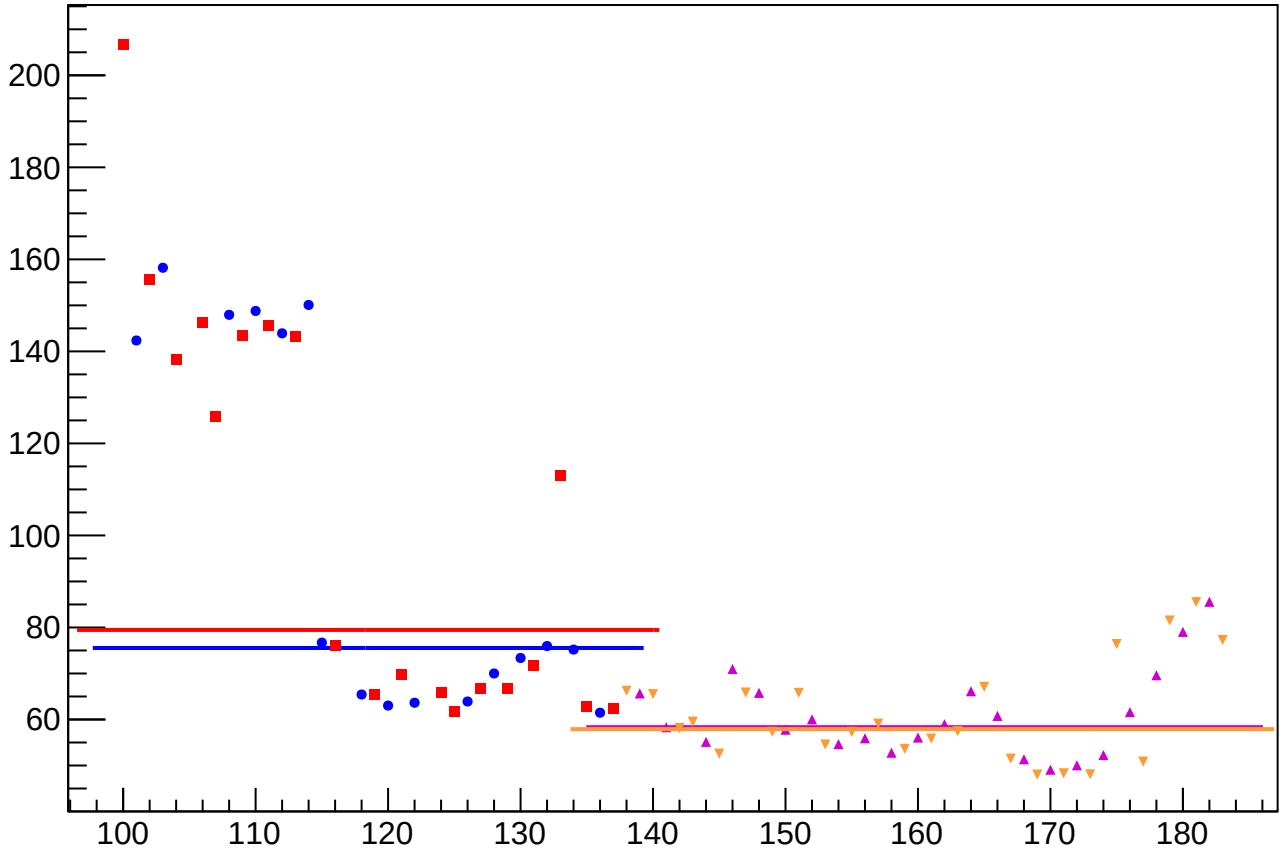
Left In: -43.917+/-14.011 χ^2/NDF:29.1/21

+ sign 20.555+/-12.331 χ^2/NDF: 44.3/39

All: -10.434+/-8.875 χ^2/NDF: 109.8/80

- sign -43.747+/-12.785 χ^2/NDF: 52.4/40

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 57.905+/-0.010 χ^2/NDF:893537.6/23

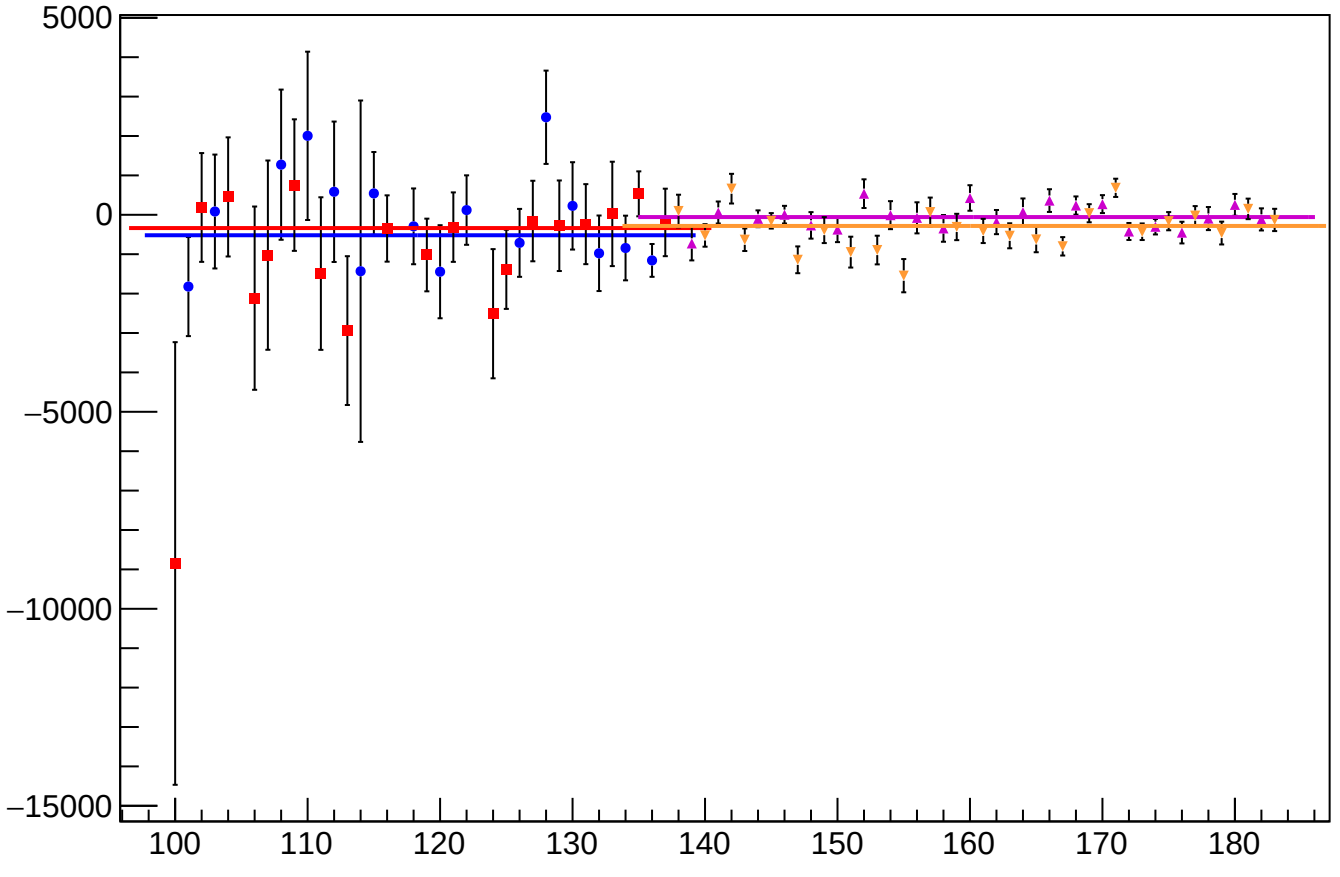
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.334+/-0.010 χ^2/NDF:631042.4/21

+ sign 60.903+/-0.009 χ^2/NDF: 2936509.1/39

All: 61.370+/-0.006 χ^2/NDF: 6018607.4/80

- sign 61.871+/-0.009 χ^2/NDF: 3076152.3/40



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -282.926+/-57.683 χ^2/NDF:63.5/23

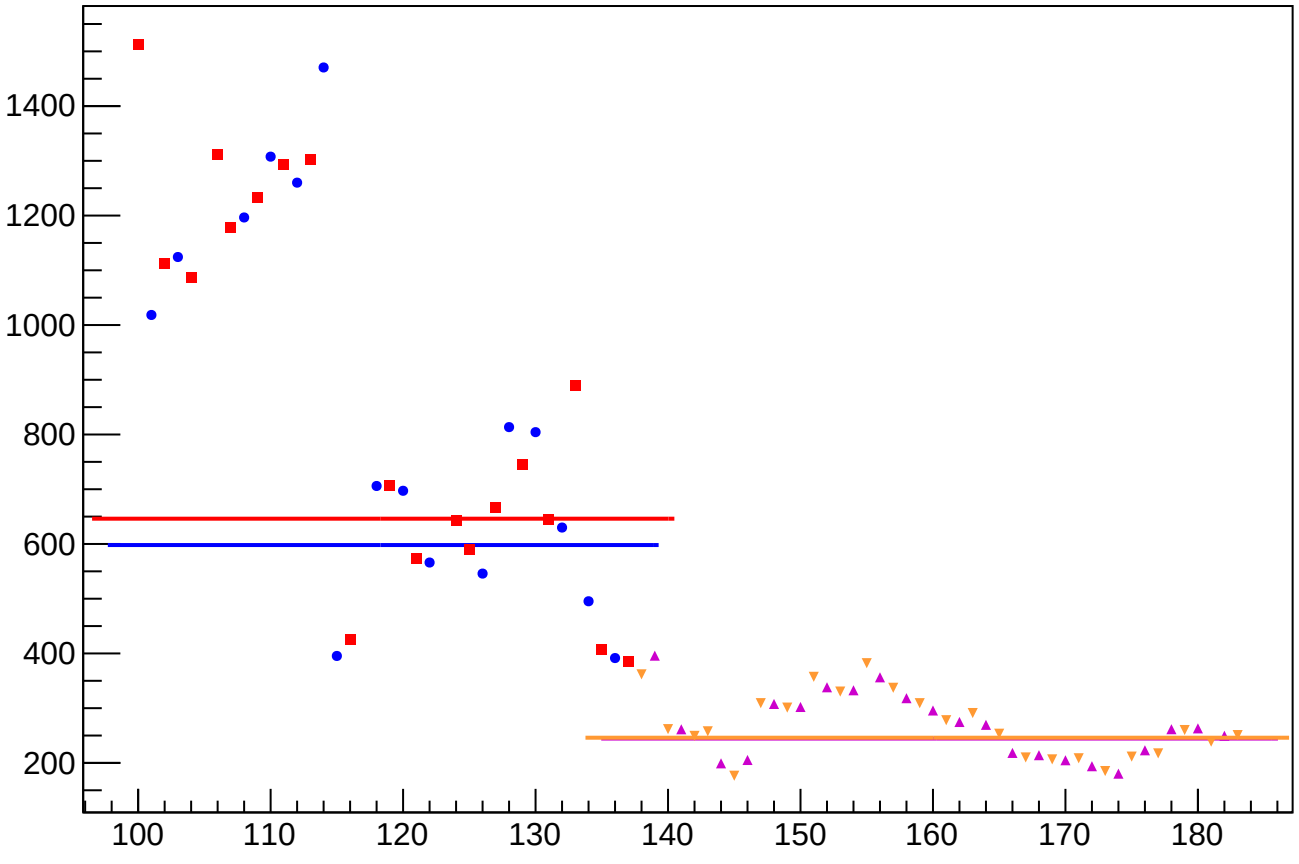
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -57.599+/-59.122 χ^2/NDF:23.6/21

+ sign -295.699+/-56.103 χ^2/NDF: 80.2/39

All: -186.658+/-40.194 χ^2/NDF: 124.6/80

- sign -71.669+/-57.612 χ^2/NDF: 36.7/40



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 246.029+/-0.041 χ^2/NDF:1680559.1/23

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

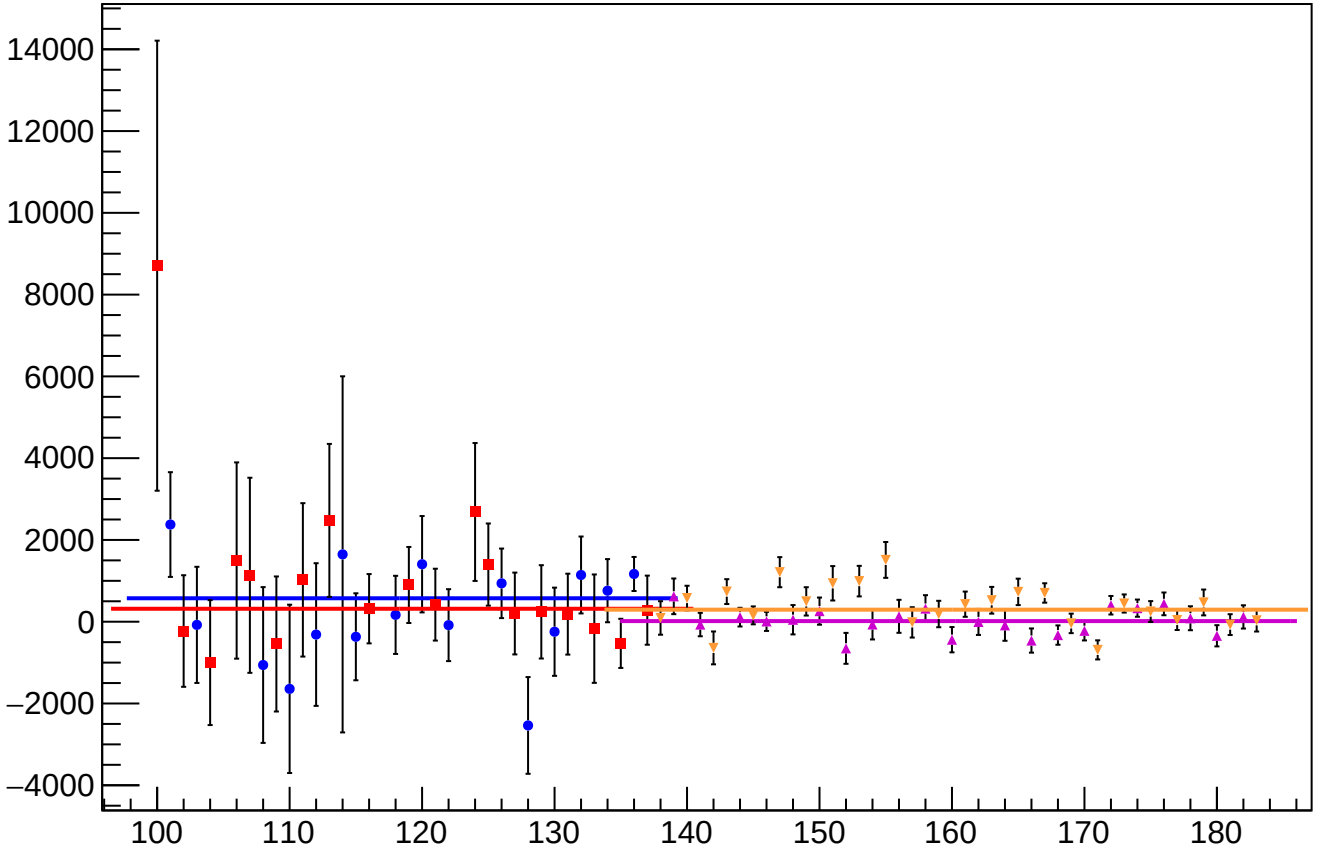
Left In: 244.449+/-0.042 χ^2/NDF:1596977.8/21

+ sign 265.055+/-0.040 χ^2/NDF: 7754115.1/39

All: 264.881+/-0.028 χ^2/NDF: 16211217.6/80

- sign 264.698+/-0.041 χ^2/NDF: 8457063.1/40

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 294.517+/-59.778 χ^2/NDF:60.0/23

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

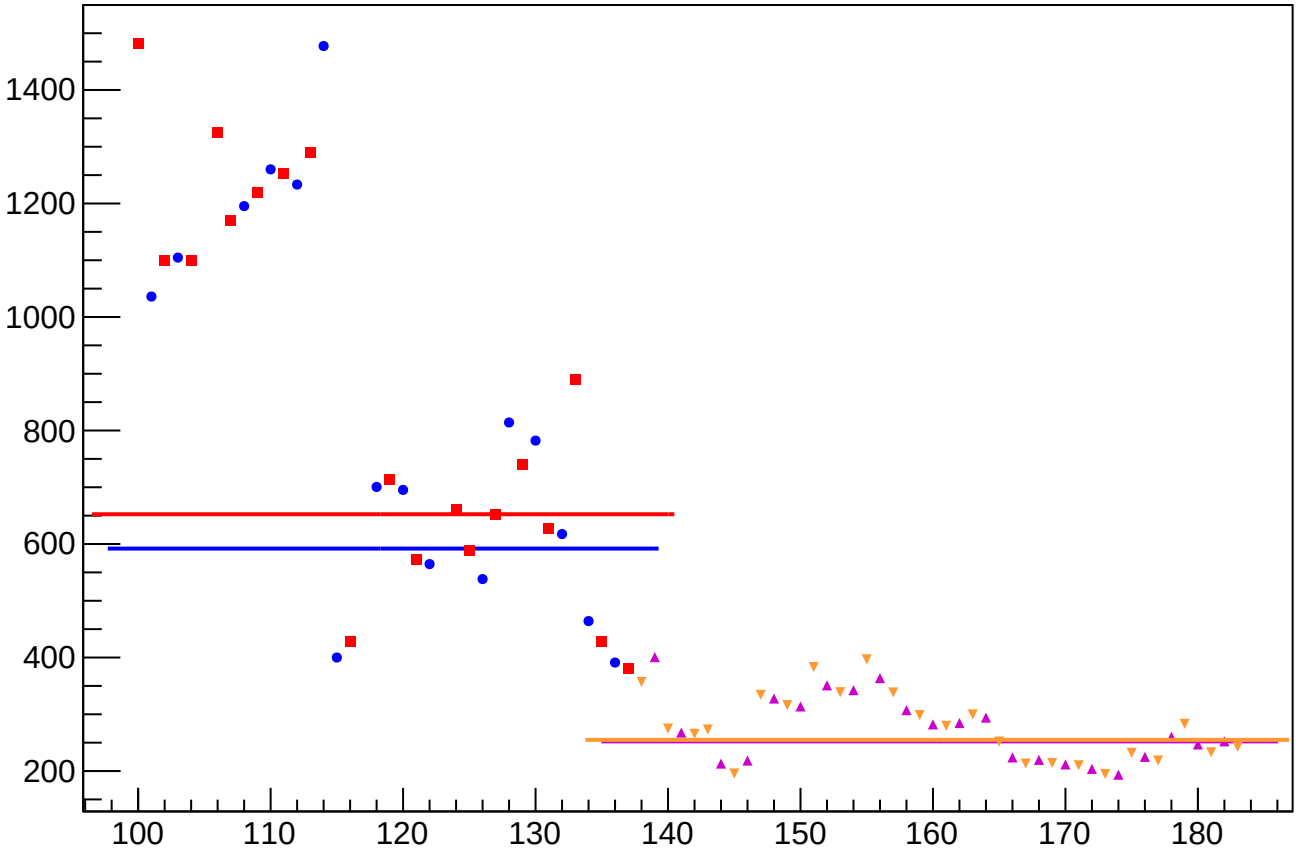
Left In: 15.289+/-60.835 χ^2/NDF:24.4/21

+ sign 310.945+/-57.990 χ^2/NDF: 77.9/39

All: 173.966+/-41.431 χ^2/NDF: 126.0/80

- sign 31.144+/-59.214 χ^2/NDF: 36.7/40

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 254.938+/-0.042 χ^2/NDF:1564869.8/23

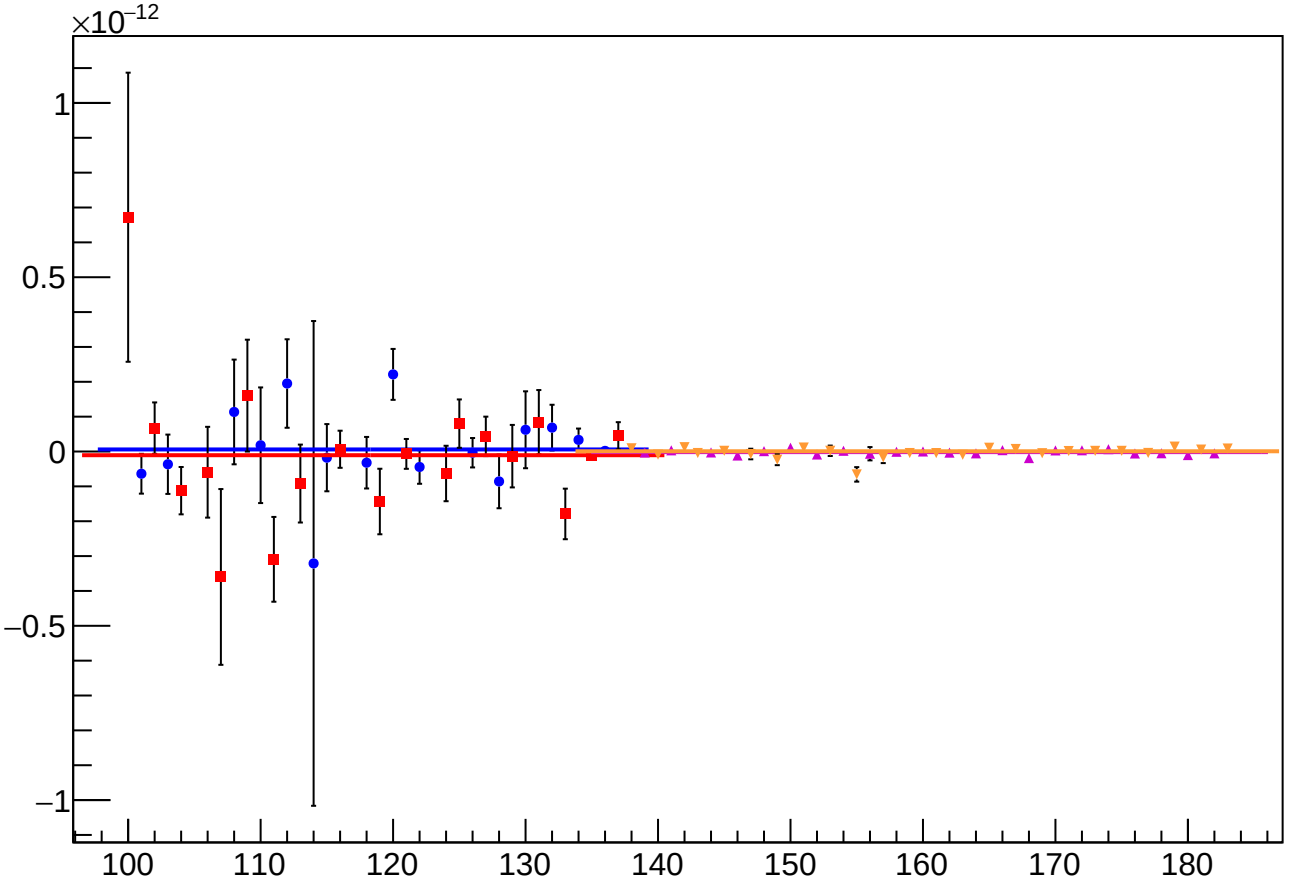
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.225+/-0.043 χ^2/NDF:1411229.9/21

+ sign 274.793+/-0.041 χ^2/NDF: 7346025.7/39

All: 274.047+/-0.029 χ^2/NDF: 15399466.1/80

- sign 273.269+/-0.042 χ^2/NDF: 8052763.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/23

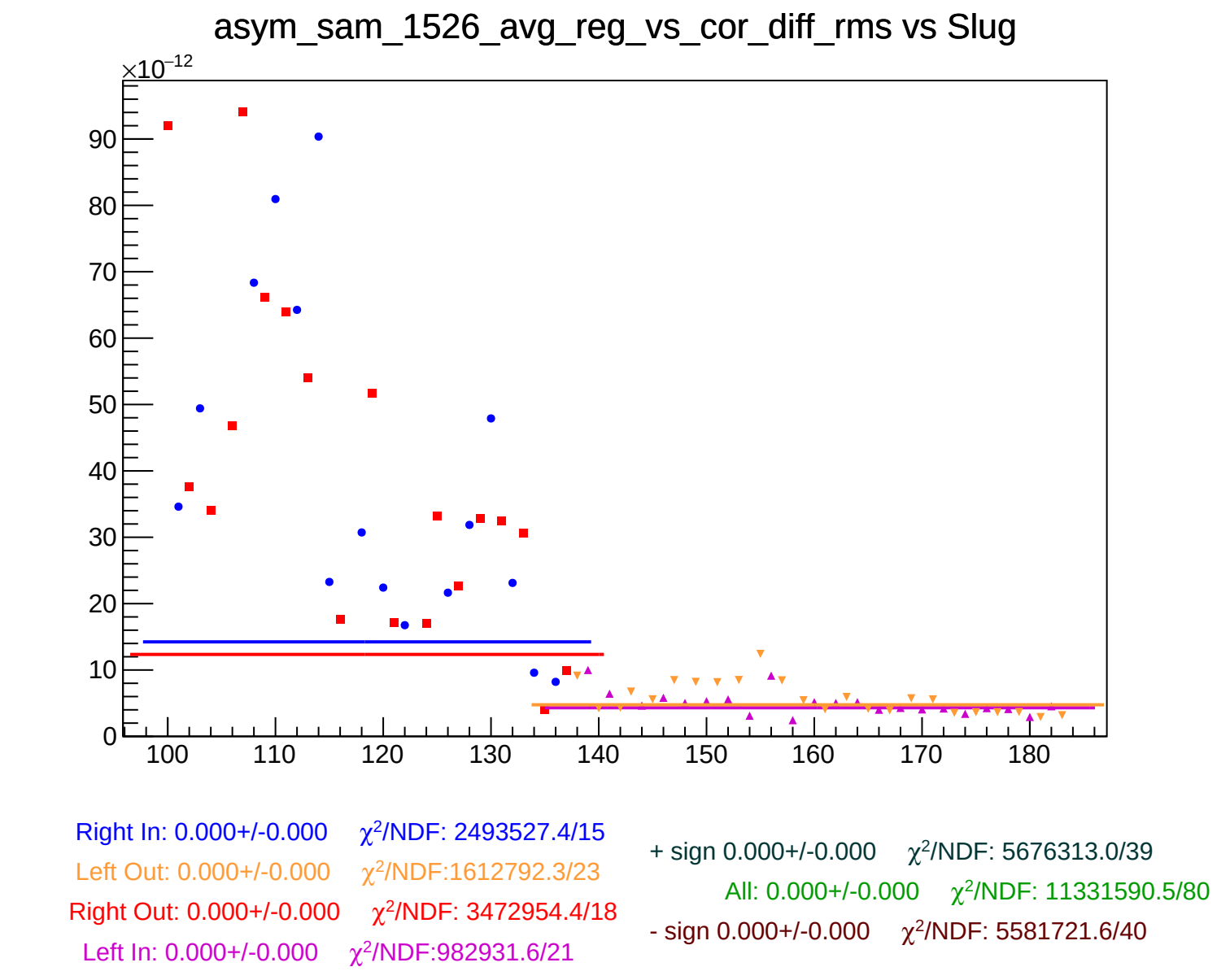
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/39

All: -0.000+/-0.000 χ^2/NDF: 88.8/80

- sign -0.000+/-0.000 χ^2/NDF: 43.8/40


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
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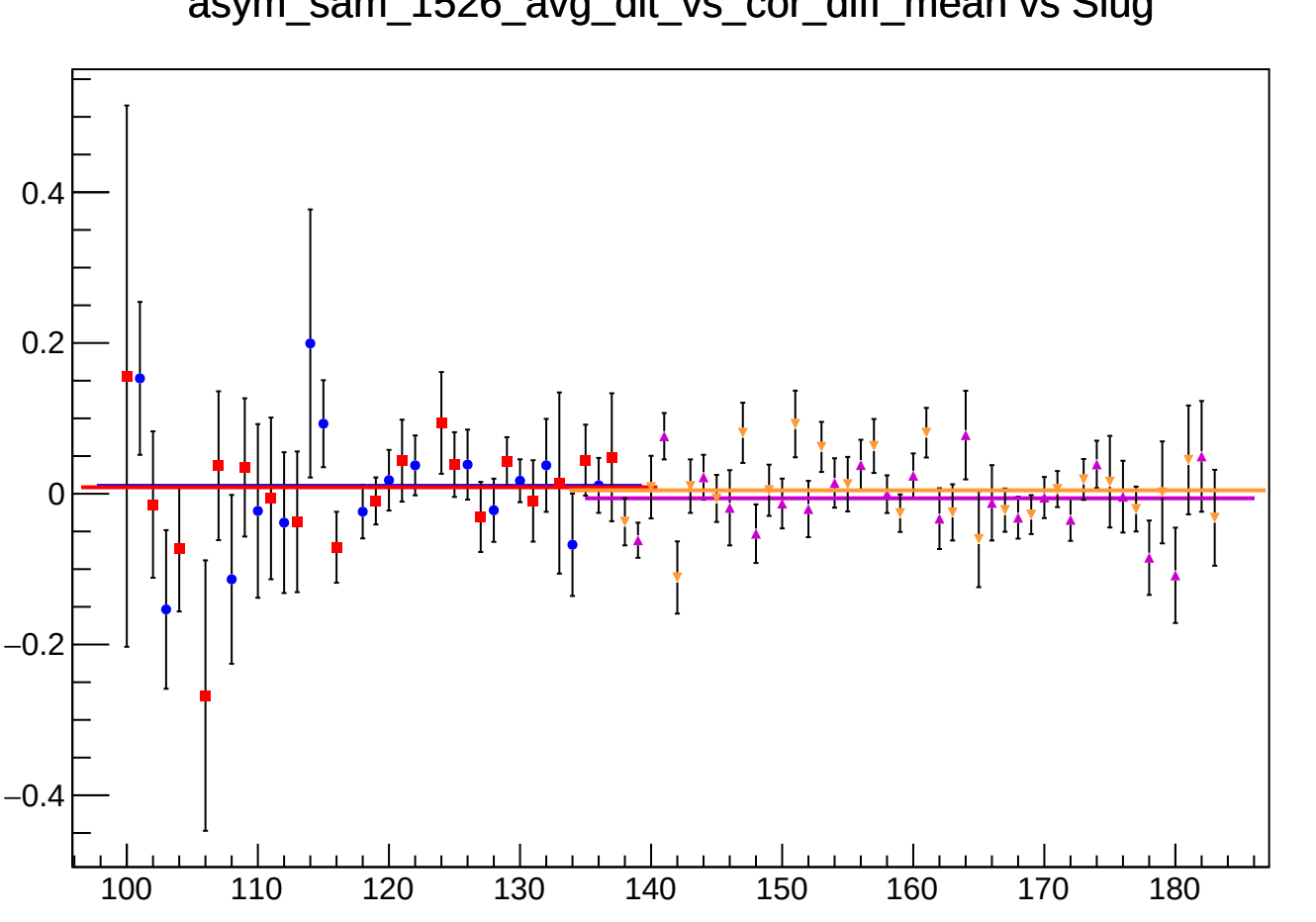
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1612792.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:982931.6/21
+ sign 0.000+/-0.000 χ²/NDF: 5676313.0/39
All: 0.000+/-0.000 χ²/NDF: 11331590.5/80
- sign 0.000+/-0.000 χ²/NDF: 5581721.6/40



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

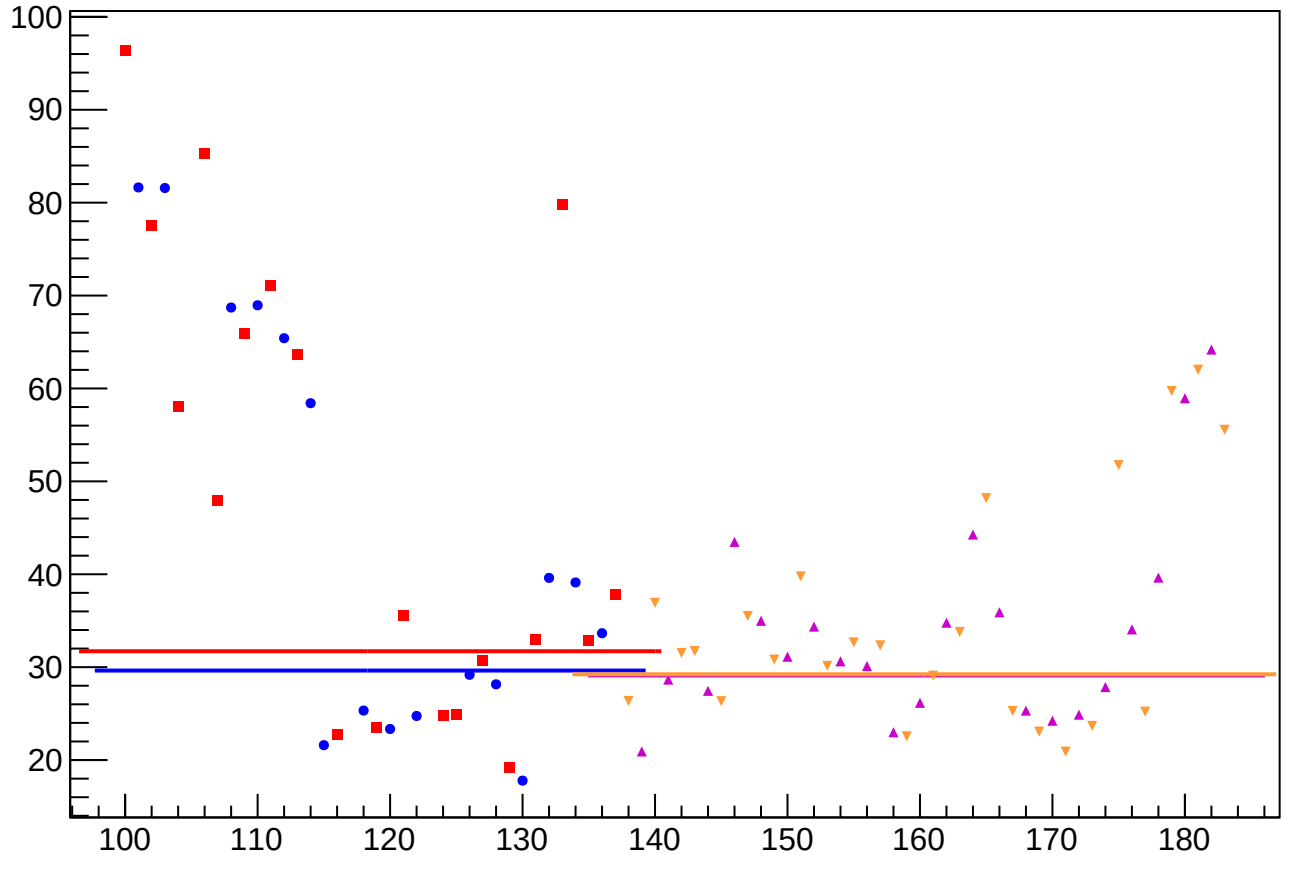
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:30.8/21

+ sign 0.006+/-0.006 χ^2/NDF: 47.0/39

All: 0.002+/-0.004 χ^2/NDF: 92.2/80

- sign -0.003+/-0.006 χ^2/NDF: 44.2/40



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618791.9/23

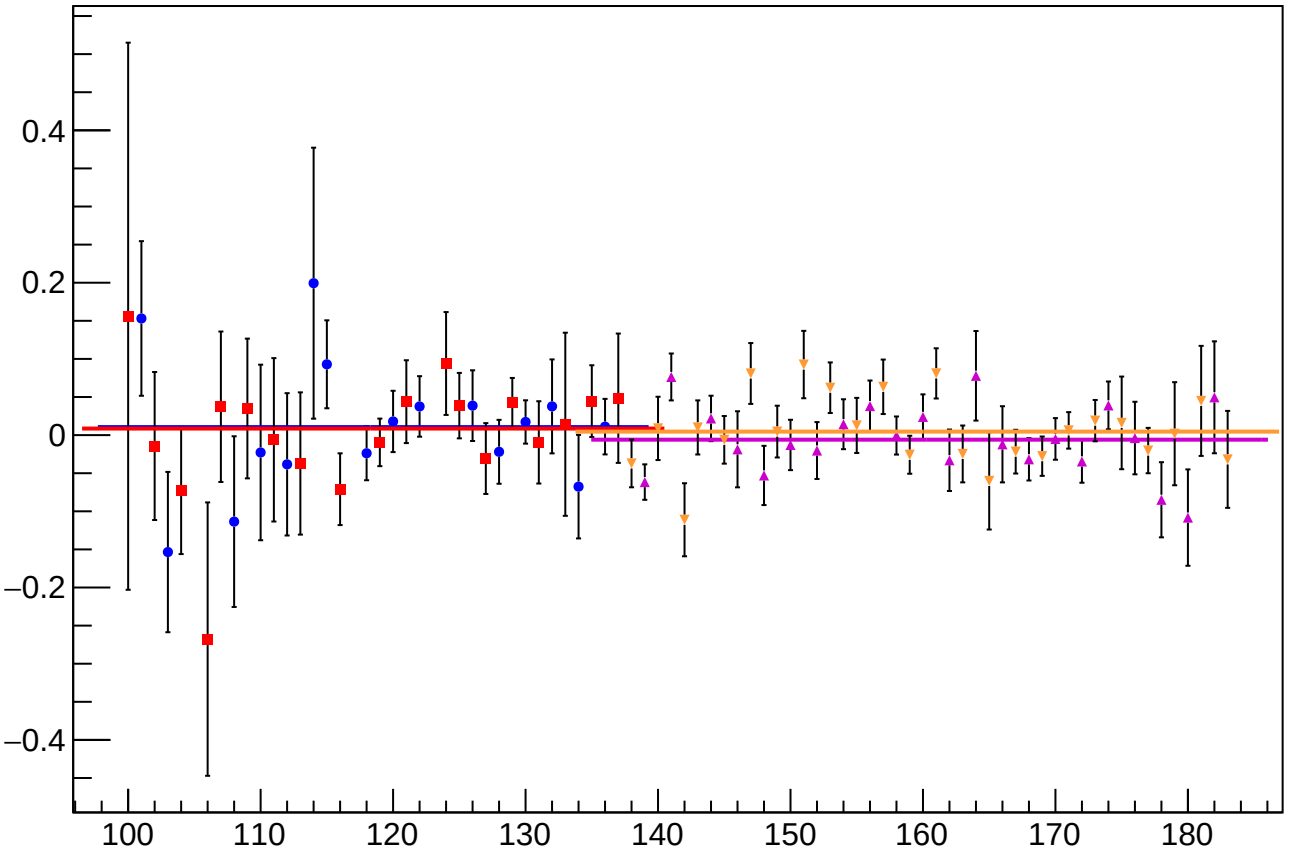
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.108+/-0.005 χ^2/NDF:2031779.3/21

\+ sign 29.332+/-0.004 χ^2/NDF: 5068800.1/39

All: 29.517+/-0.003 χ^2/NDF: 9815116.2/80

\- sign 29.714+/-0.005 χ^2/NDF: 4742629.9/40



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

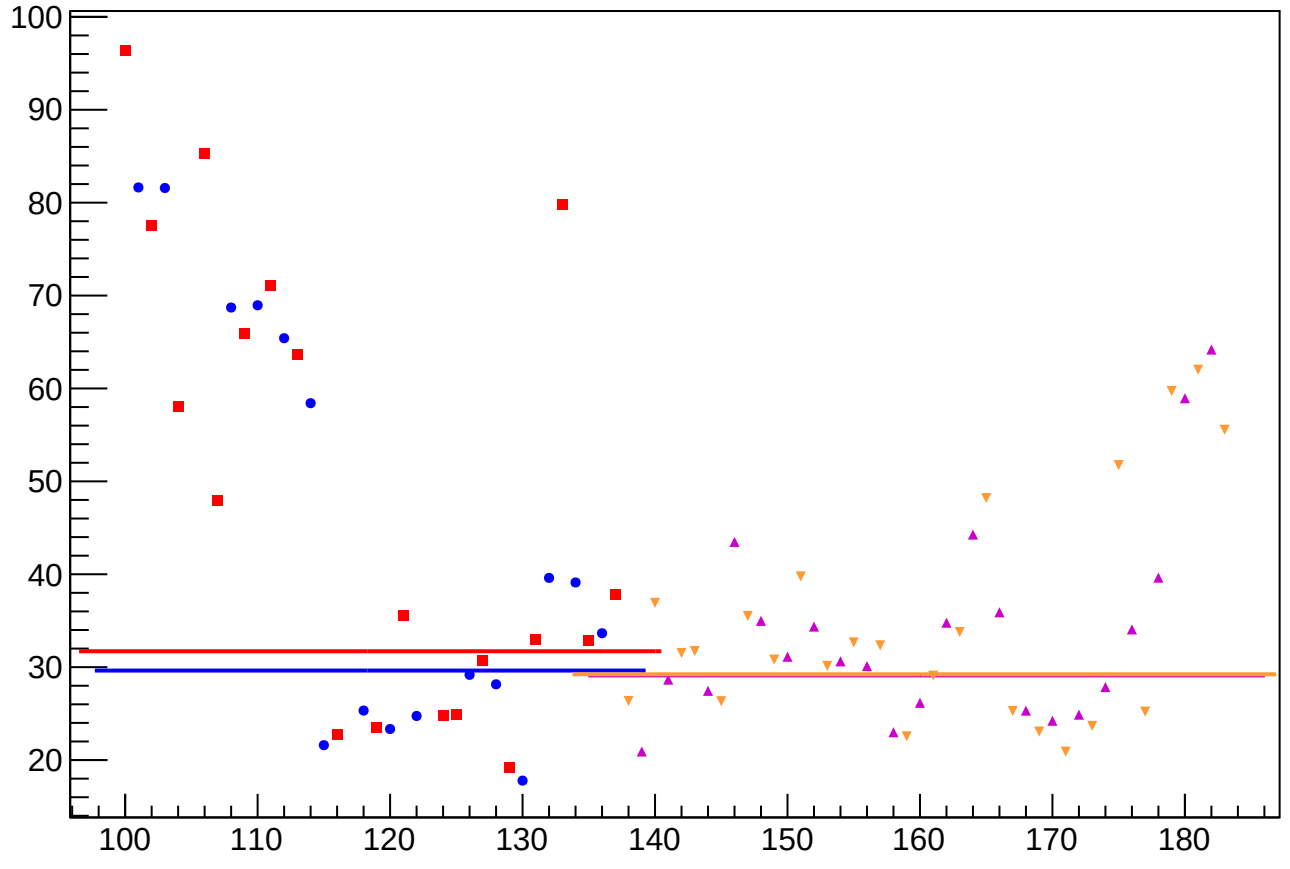
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:30.8/21

+ sign 0.006+/-0.006 χ^2/NDF: 47.0/39

All: 0.002+/-0.004 χ^2/NDF: 92.2/80

- sign -0.003+/-0.006 χ^2/NDF: 44.2/40



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618791.9/23

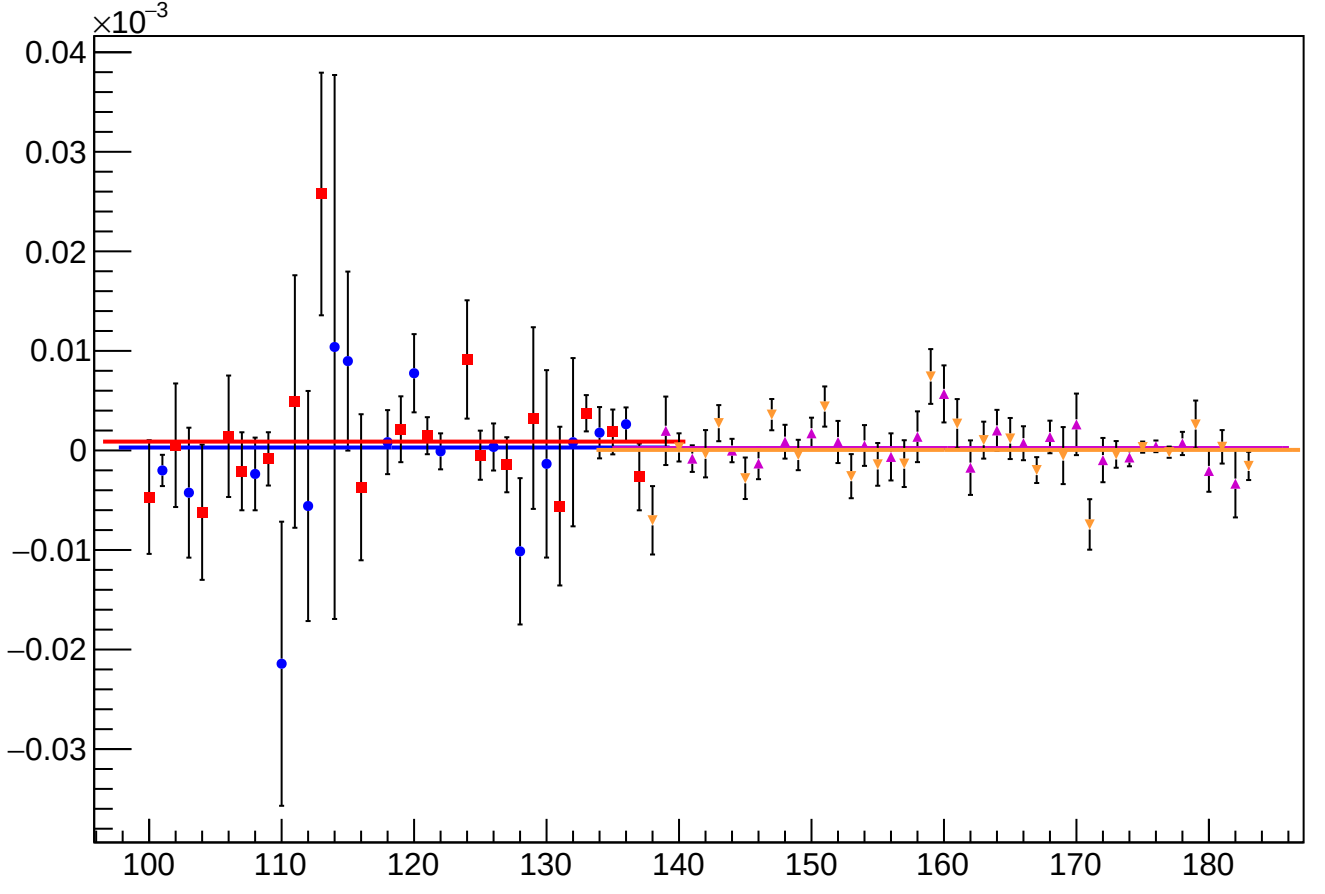
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.108+/-0.005 χ^2/NDF:2031779.3/21

\+ sign 29.332+/-0.004 χ^2/NDF: 5068800.1/39

All: 29.517+/-0.003 χ^2/NDF: 9815116.2/80

\- sign 29.714+/-0.005 χ^2/NDF: 4742629.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/23

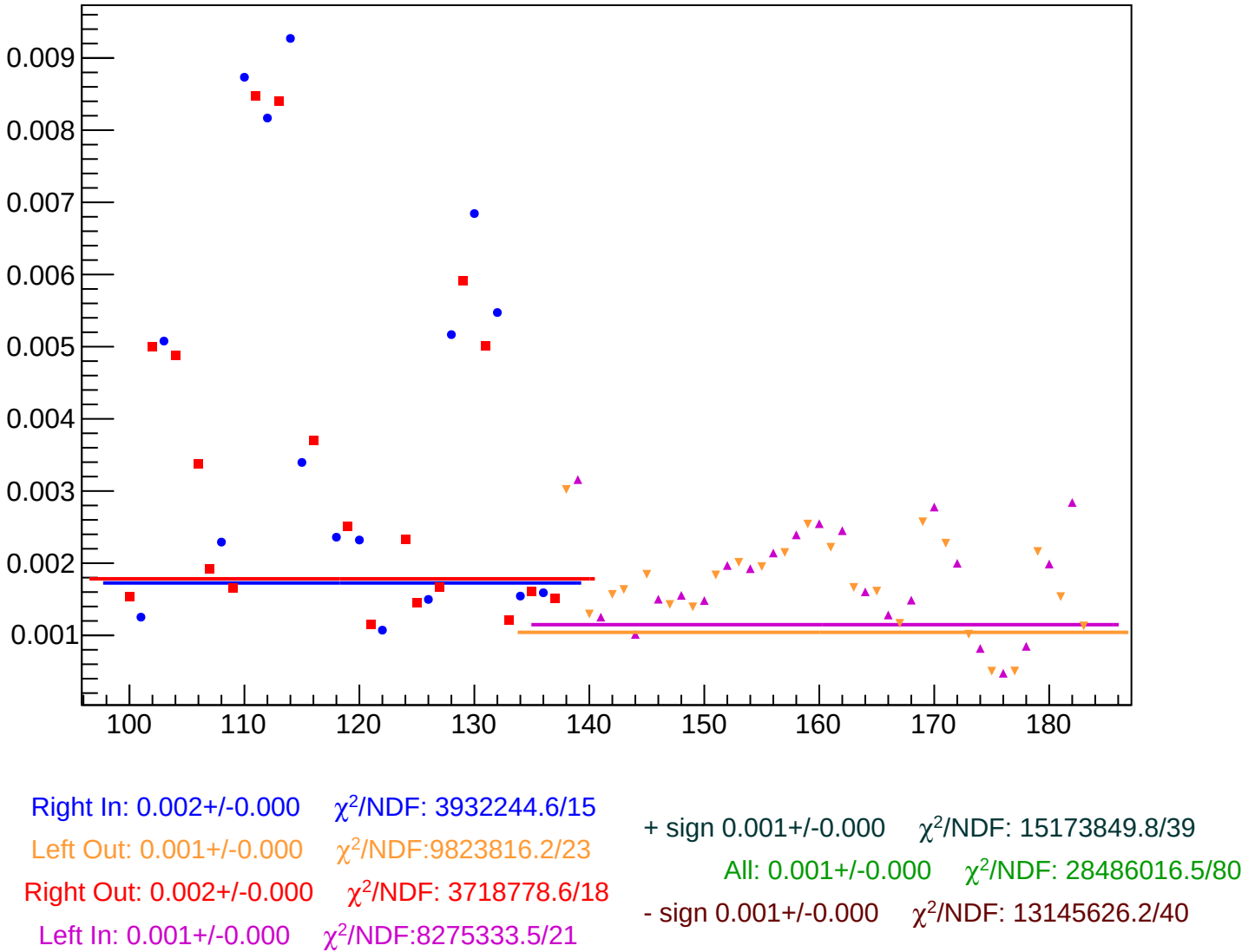
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 58.4/39

All: 0.000+/-0.000 χ^2/NDF: 88.1/80

- sign 0.000+/-0.000 χ^2/NDF: 29.3/40


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
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0.006
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0.003
0.002
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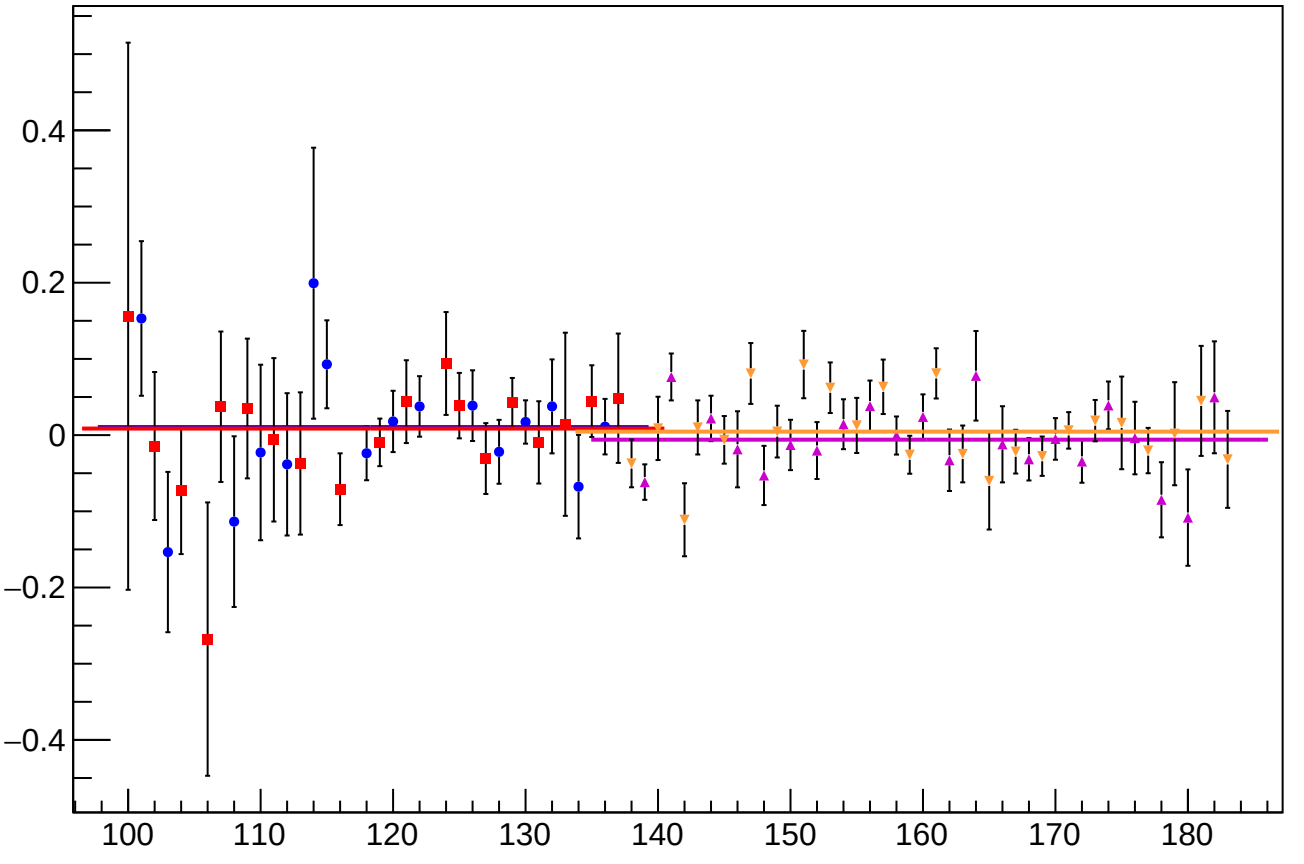
180
Right In: 0.002+/-0.000 χ²/NDF: 3932244.6/15
Left Out: 0.001+/-0.000 χ²/NDF:9823816.2/23
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.001+/-0.000 χ²/NDF:8275333.5/21
+ sign 0.001+/-0.000 χ²/NDF: 15173849.8/39
All: 0.001+/-0.000 χ²/NDF: 28486016.5/80
- sign 0.001+/-0.000 χ²/NDF: 13145626.2/40



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

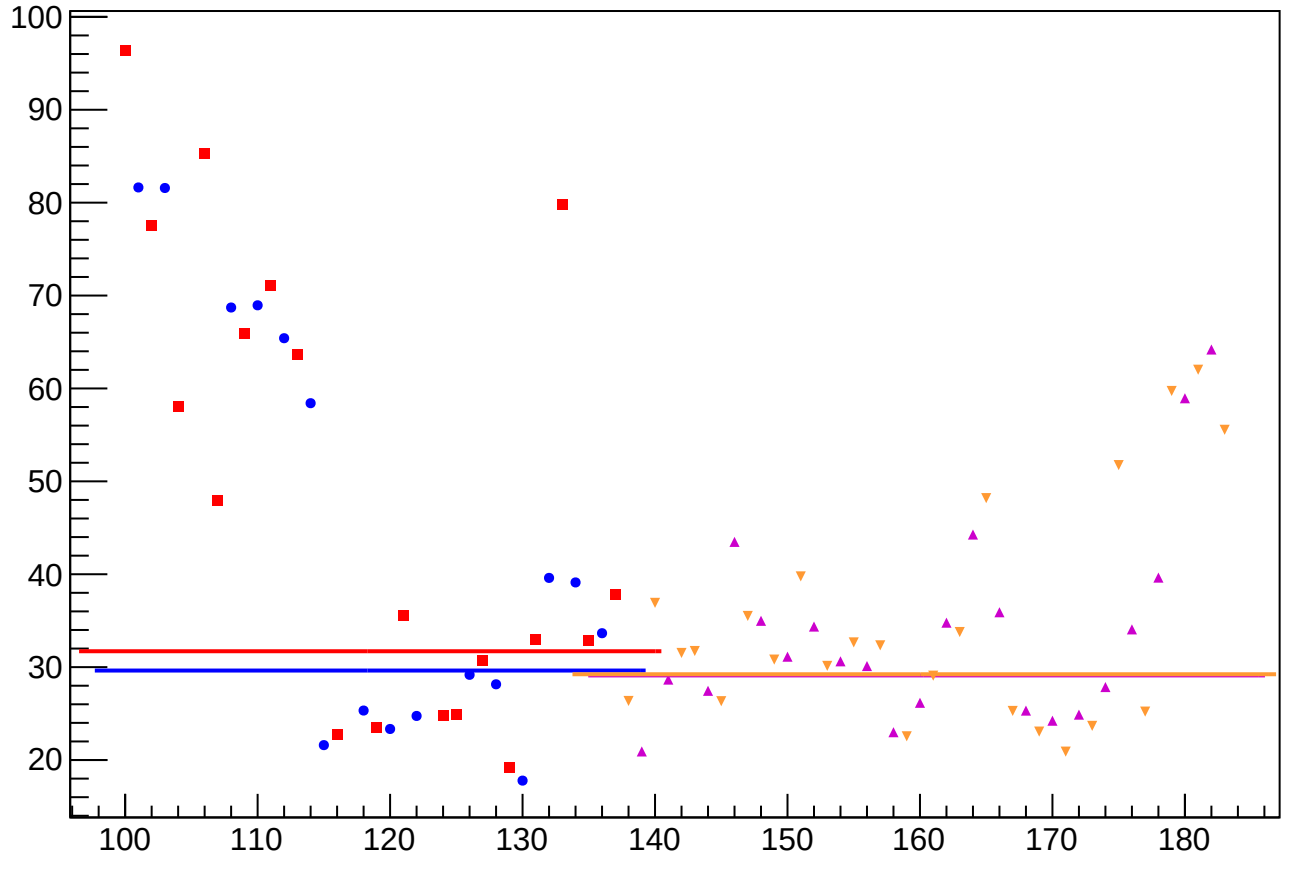
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:30.8/21

+ sign 0.006+/-0.006 χ^2/NDF: 47.0/39

All: 0.002+/-0.004 χ^2/NDF: 92.2/80

- sign -0.003+/-0.006 χ^2/NDF: 44.2/40



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618831.2/23

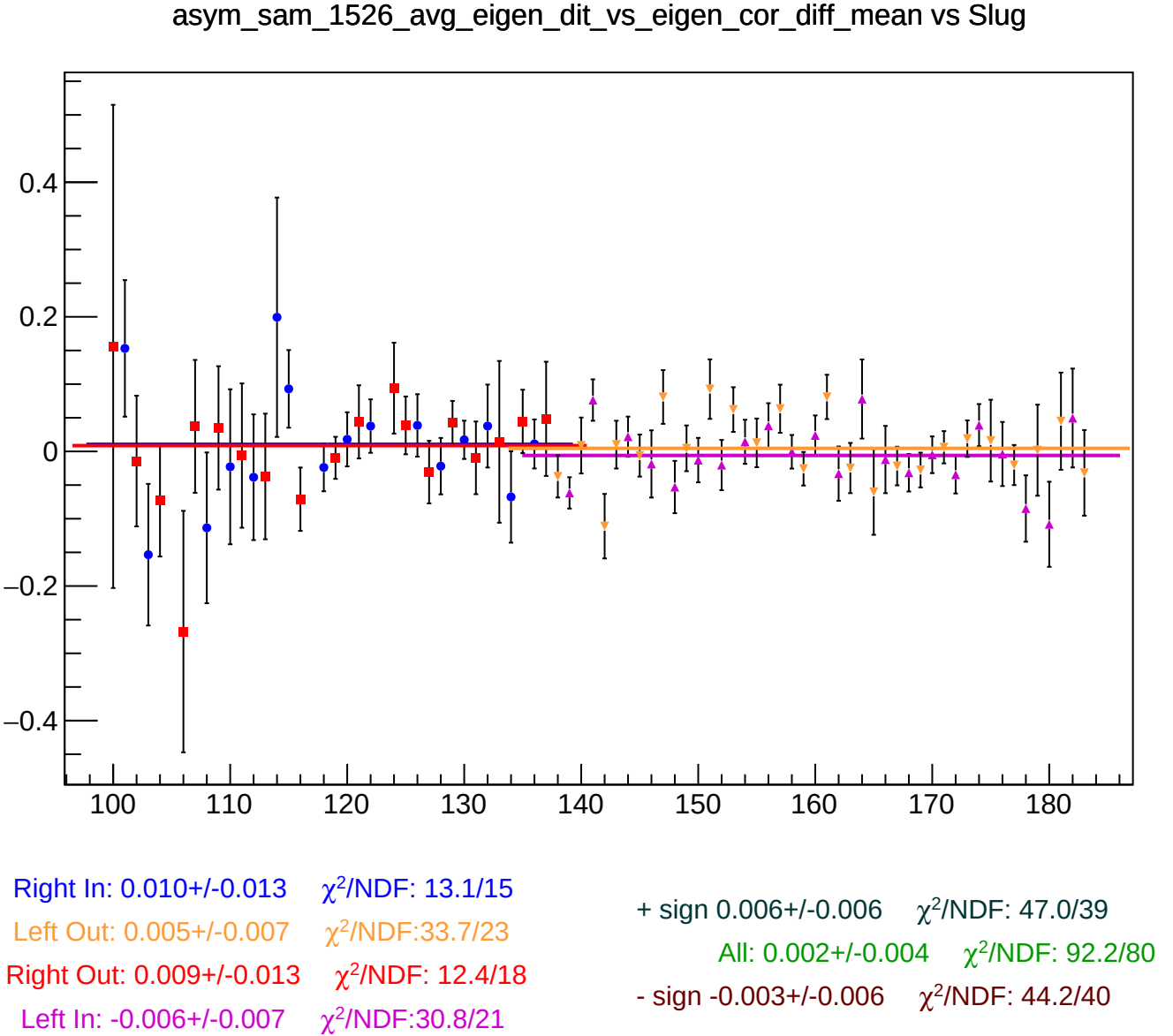
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.108+/-0.005 χ^2/NDF:2031747.5/21

\+ sign 29.331+/-0.004 χ^2/NDF: 5069031.2/39

All: 29.517+/-0.003 χ^2/NDF: 9815414.7/80

\- sign 29.714+/-0.005 χ^2/NDF: 4742693.2/40


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
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−0.2
−0.4
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170
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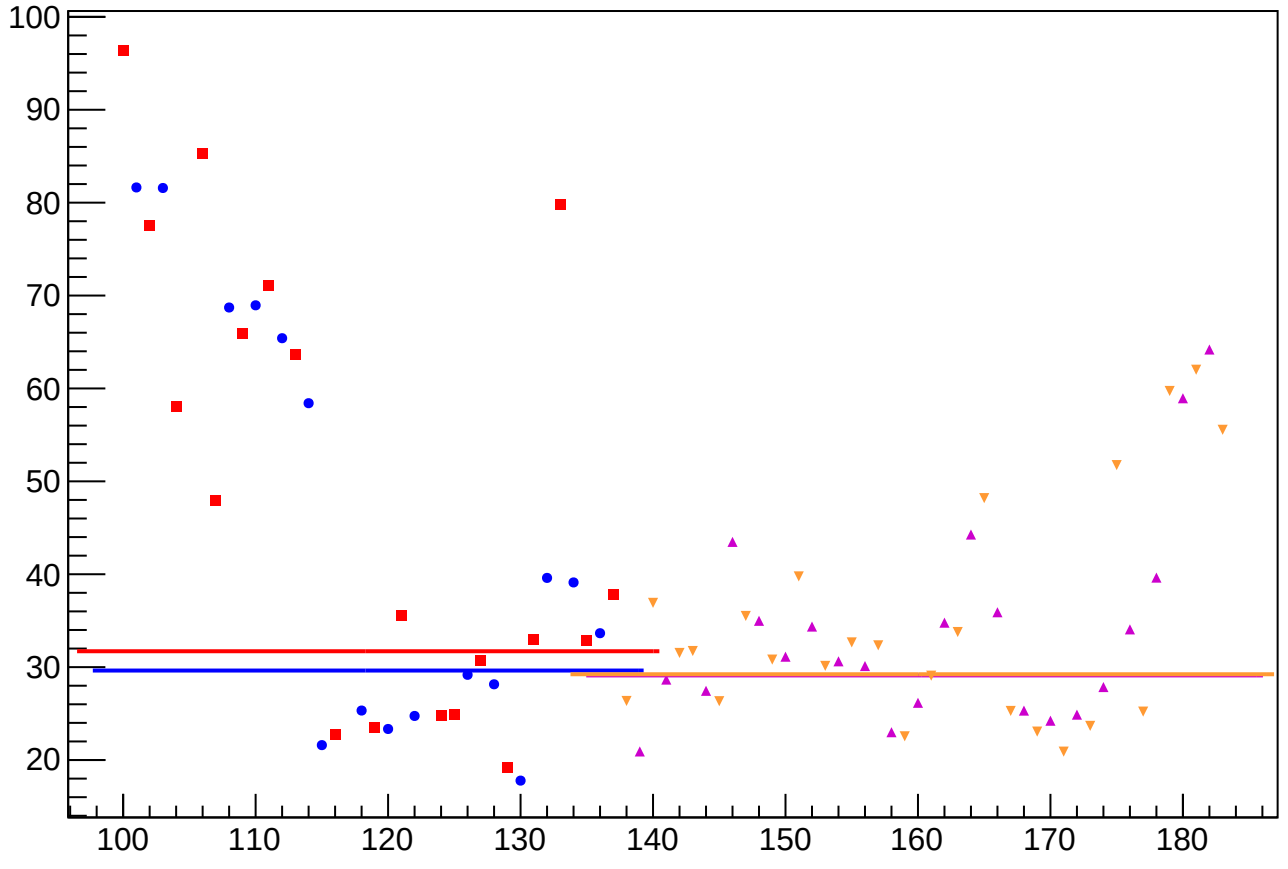
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.005+/-0.007 χ²/NDF:33.7/23
Right Out: 0.009+/-0.013 χ²/NDF: 12.4/18
Left In: -0.006+/-0.007 χ²/NDF:30.8/21
+ sign 0.006+/-0.006 χ²/NDF: 47.0/39
All: 0.002+/-0.004 χ²/NDF: 92.2/80
- sign -0.003+/-0.006 χ²/NDF: 44.2/40



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618831.2/23

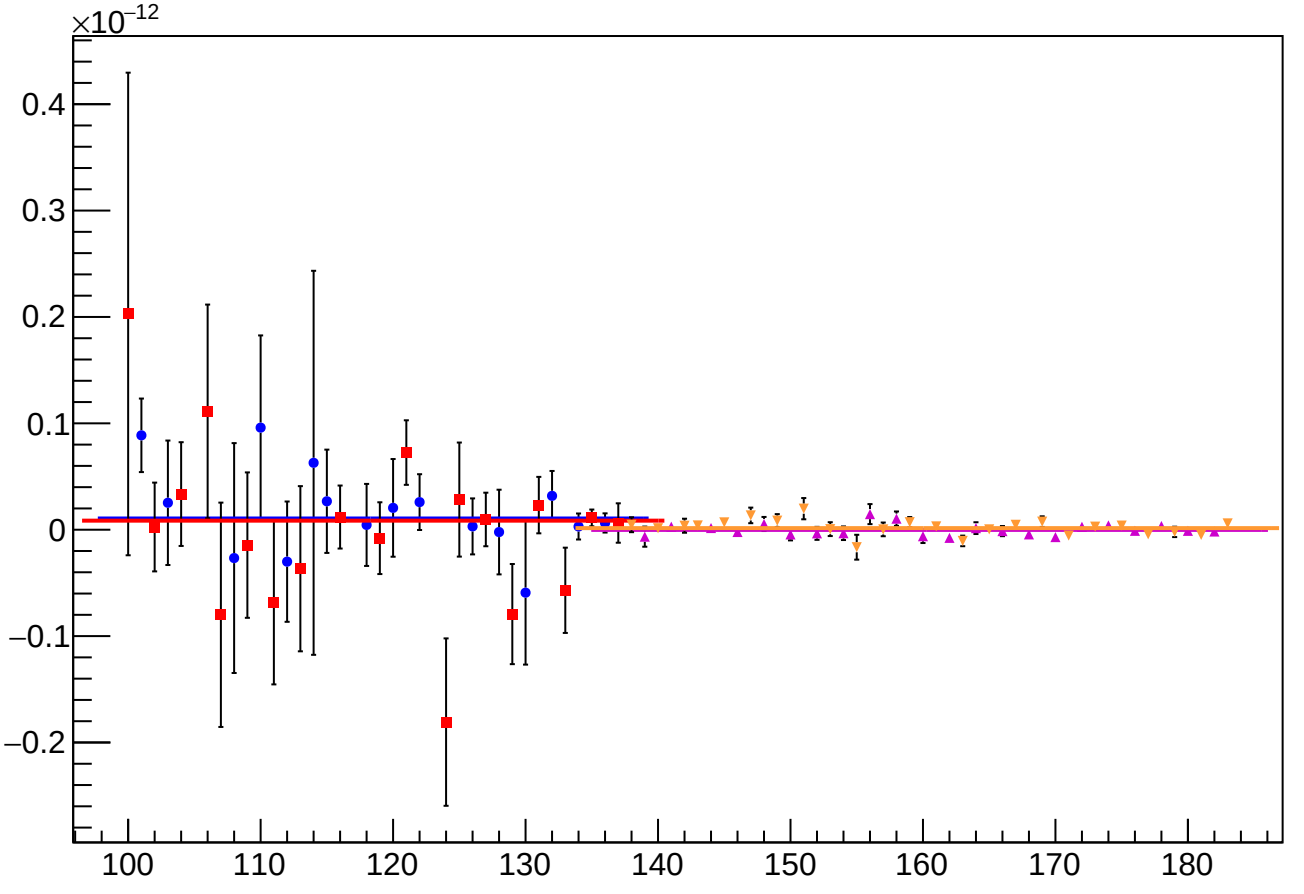
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.108+/-0.005 χ^2/NDF:2031747.5/21

+ sign 29.331+/-0.004 χ^2/NDF: 5069031.2/39

All: 29.517+/-0.003 χ^2/NDF: 9815414.7/80

- sign 29.714+/-0.005 χ^2/NDF: 4742693.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/23

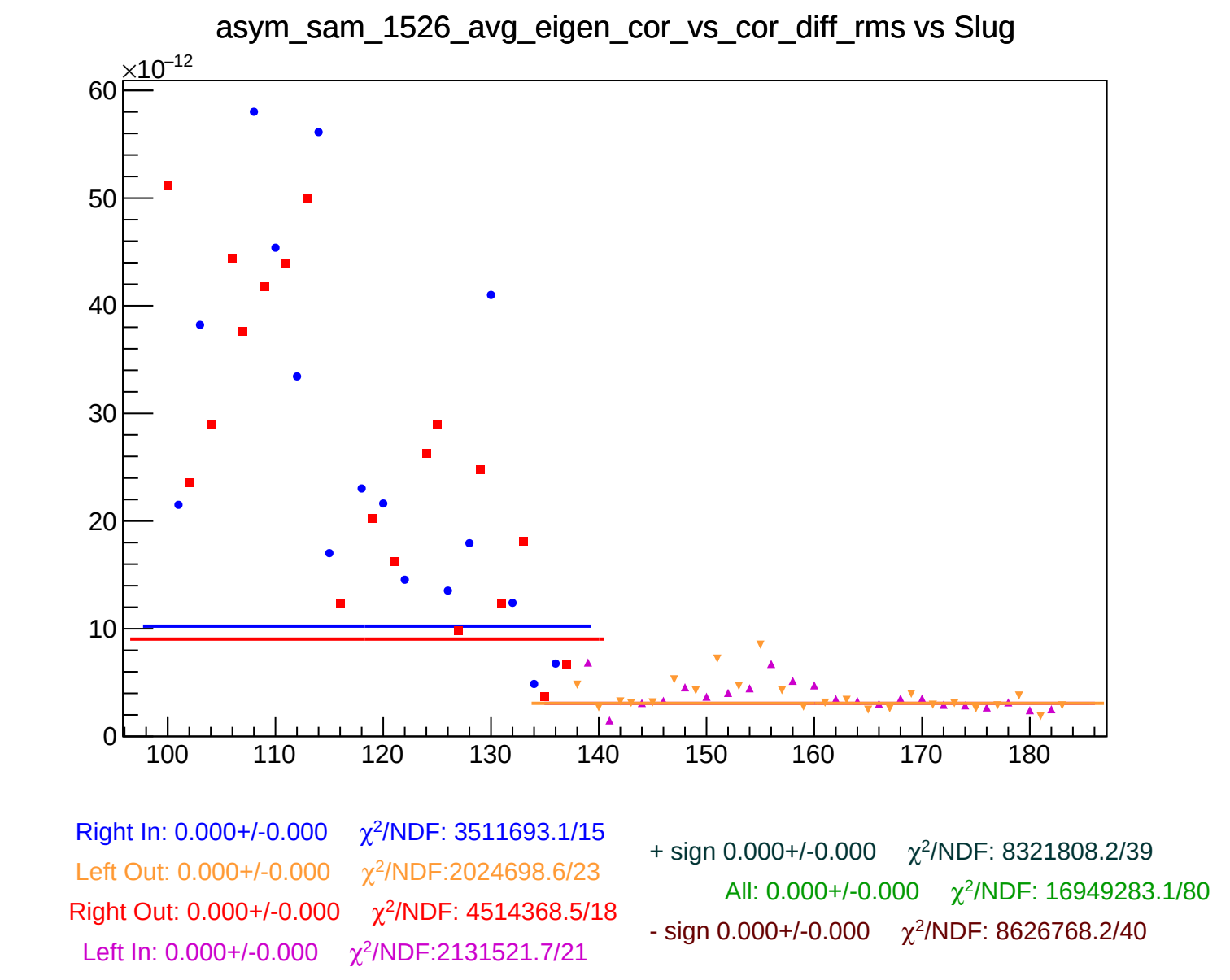
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 46.9/39

All: 0.000+/-0.000 χ^2/NDF: 90.3/80

- sign 0.000+/-0.000 χ^2/NDF: 41.9/40


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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170
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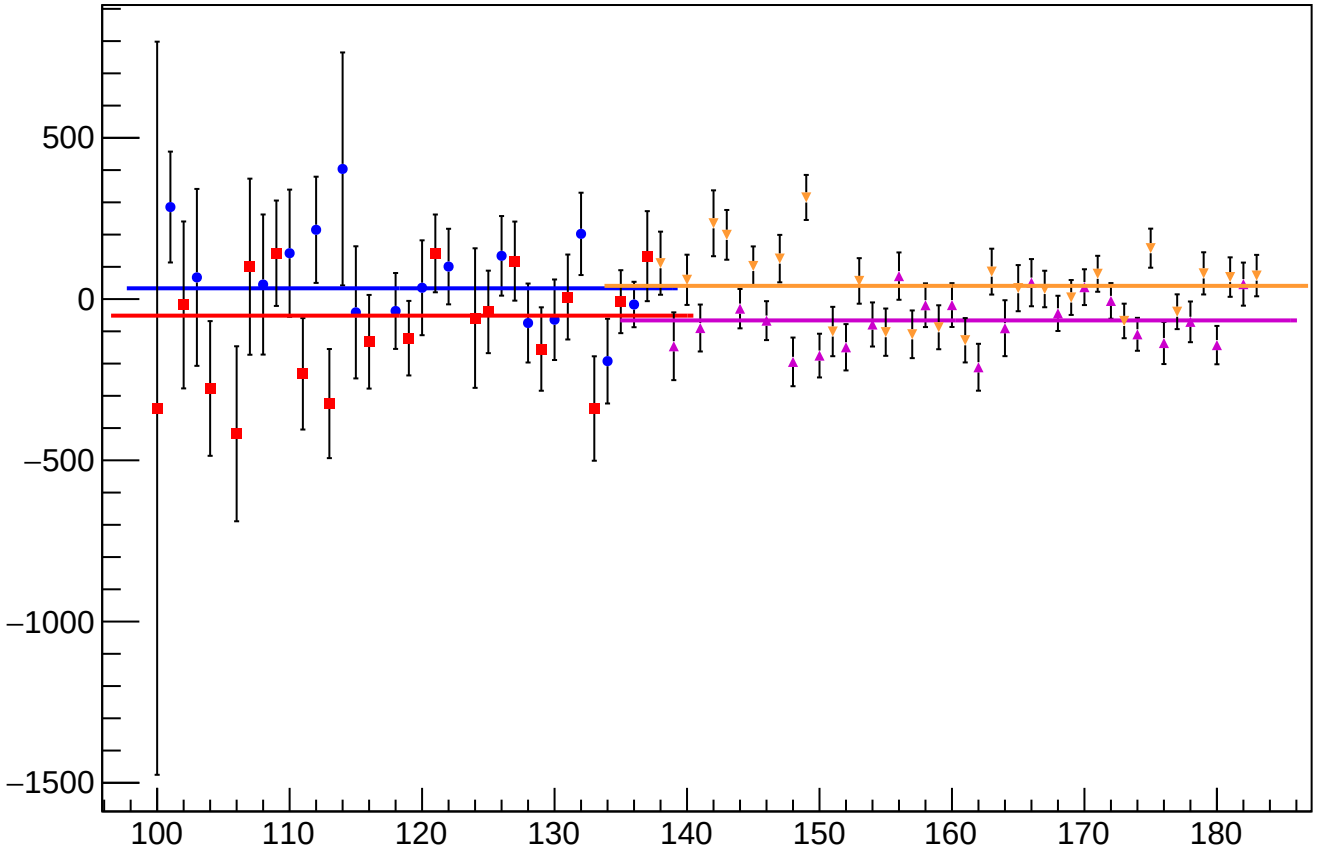
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2024698.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:2131521.7/21
+ sign 0.000+/-0.000 χ²/NDF: 8321808.2/39
All: 0.000+/-0.000 χ²/NDF: 16949283.1/80
- sign 0.000+/-0.000 χ²/NDF: 8626768.2/40

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.026+/-13.562 χ^2/NDF:59.3/23

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

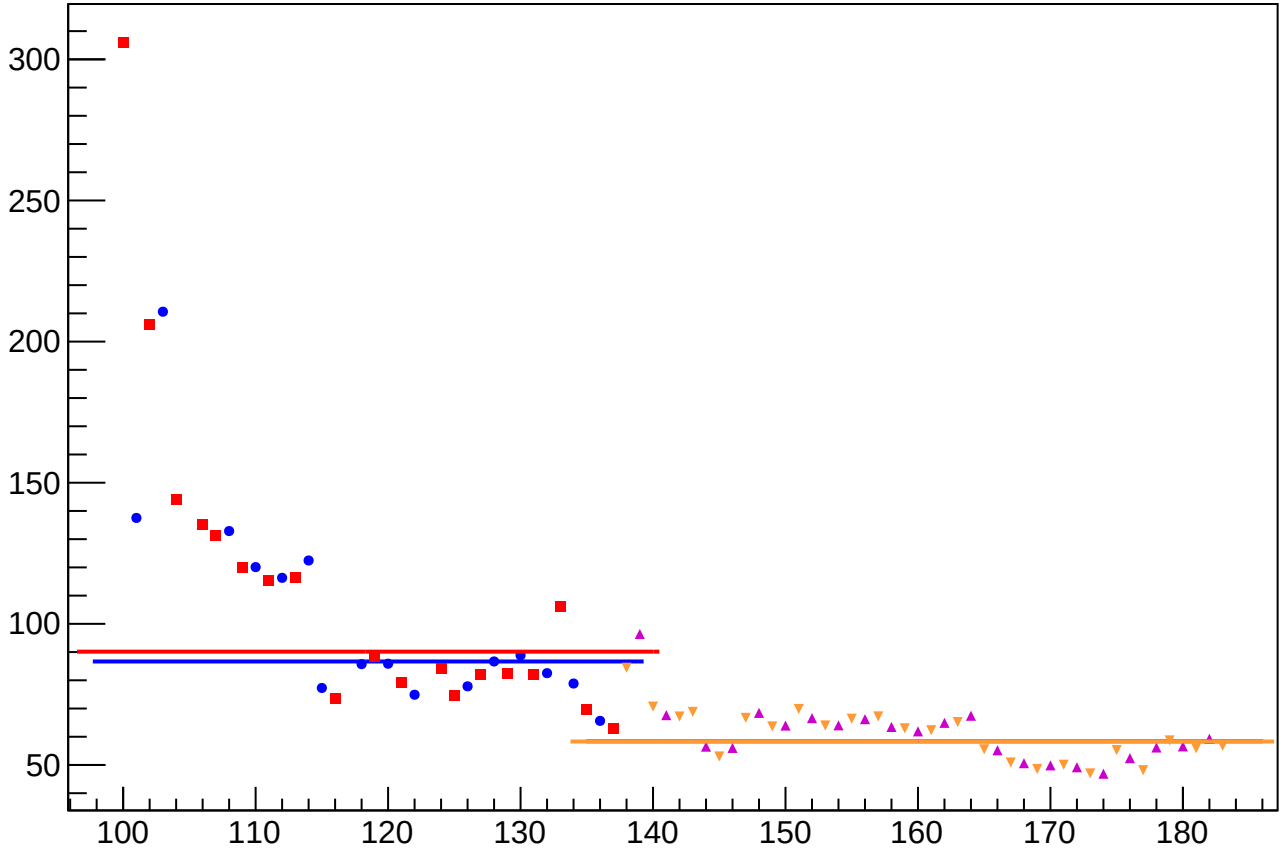
Left In: -66.131+/-13.980 χ^2/NDF:30.2/21

+ sign 39.977+/-12.591 χ^2/NDF: 72.2/39

All: -10.489+/-9.036 χ^2/NDF: 155.2/80

- sign -64.080+/-12.975 χ^2/NDF: 49.9/40

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.319+/-0.010 χ^2/NDF:759214.6/23

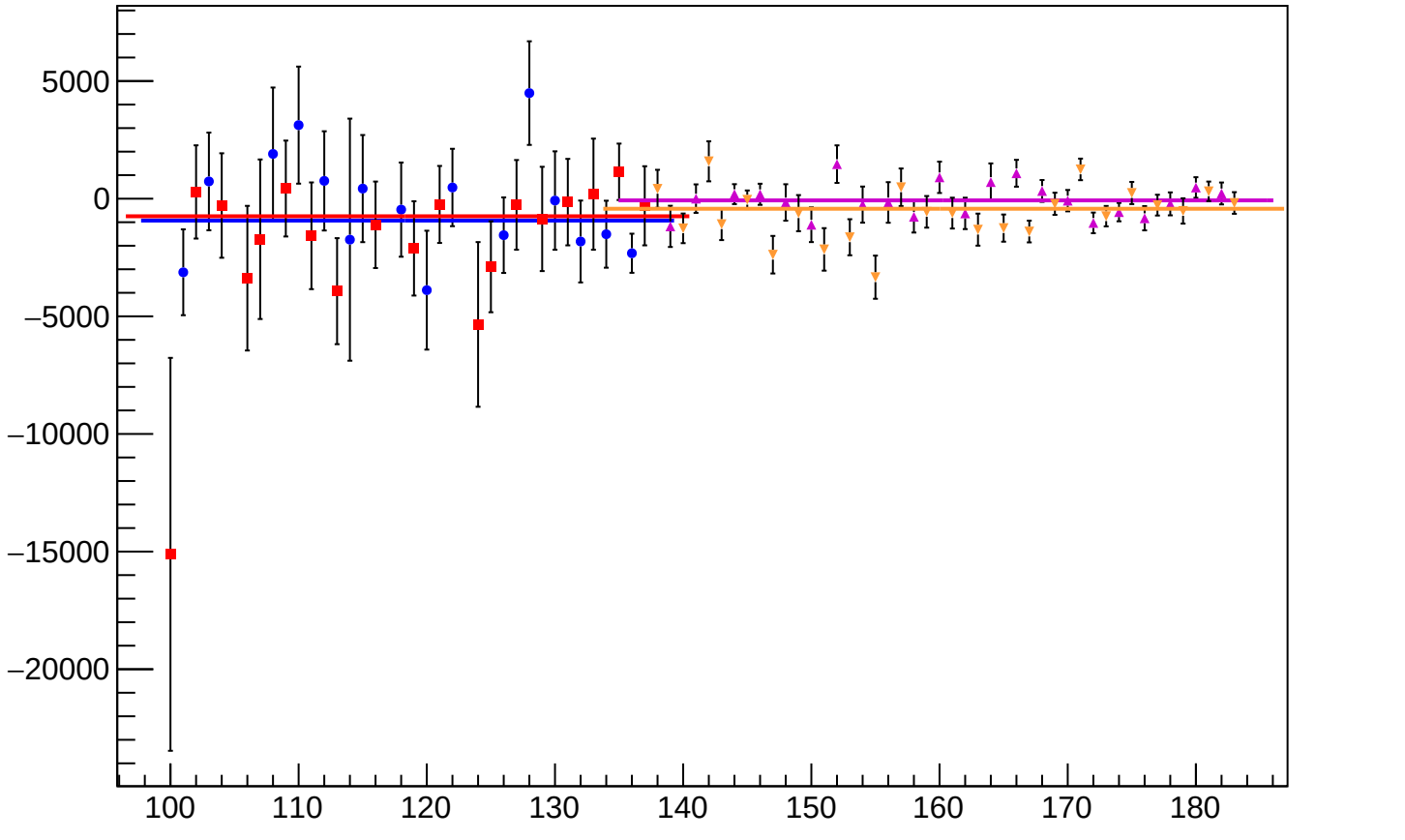
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.382+/-0.010 χ^2/NDF:735073.5/21

+ sign 62.234+/-0.009 χ^2/NDF: 3004753.0/39

All: 62.501+/-0.006 χ^2/NDF: 6323398.1/80

- sign 62.786+/-0.009 χ^2/NDF: 3316781.0/40



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -428.246+/-115.013 χ^2/NDF:61.8/23

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

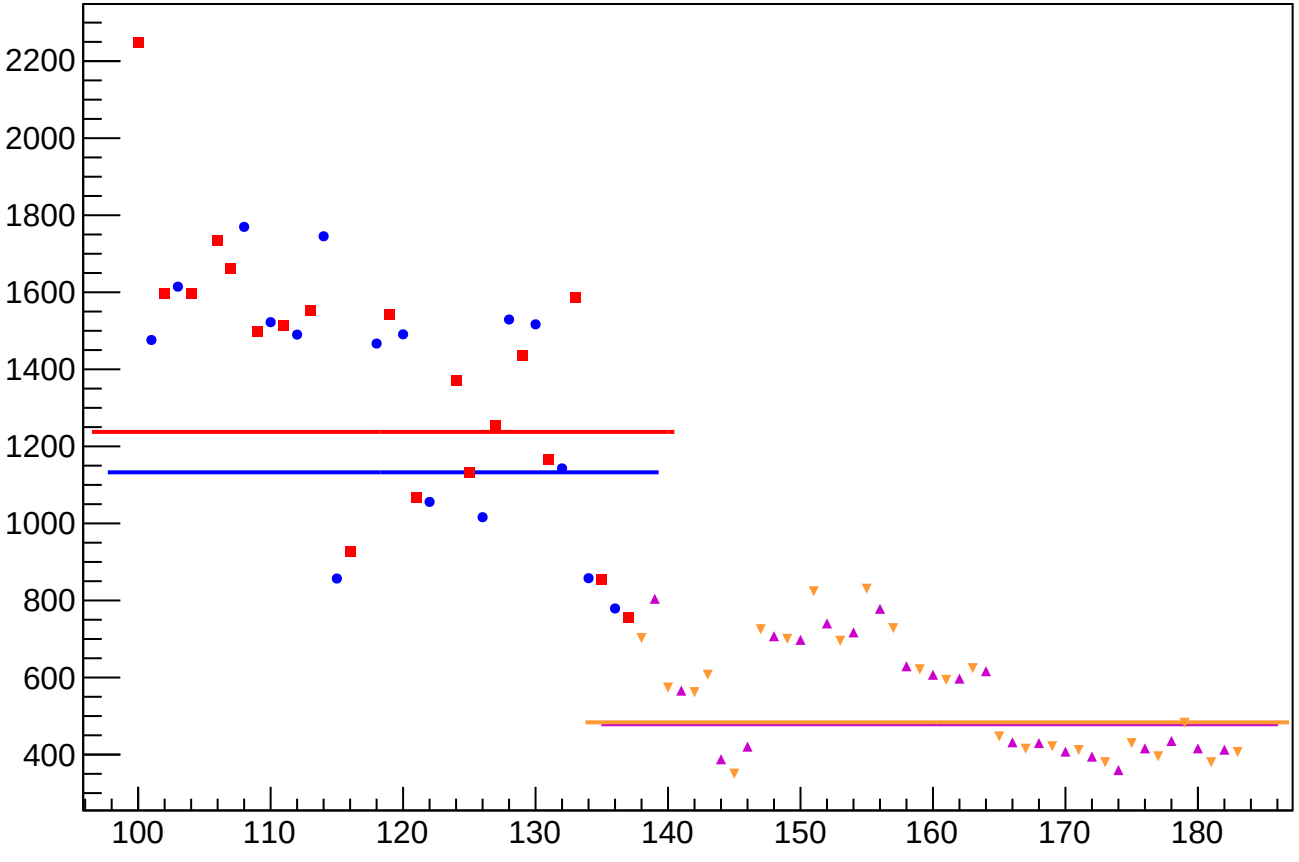
Left In: -71.732+/-116.950 χ^2/NDF:28.4/21

+ sign -460.204+/-111.289 χ^2/NDF: 81.6/39

All: -289.195+/-79.450 χ^2/NDF: 129.8/80

- sign -111.449+/-113.460 χ^2/NDF: 43.4/40

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 483.654+/-0.081 χ^2/NDF:2513157.7/23

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

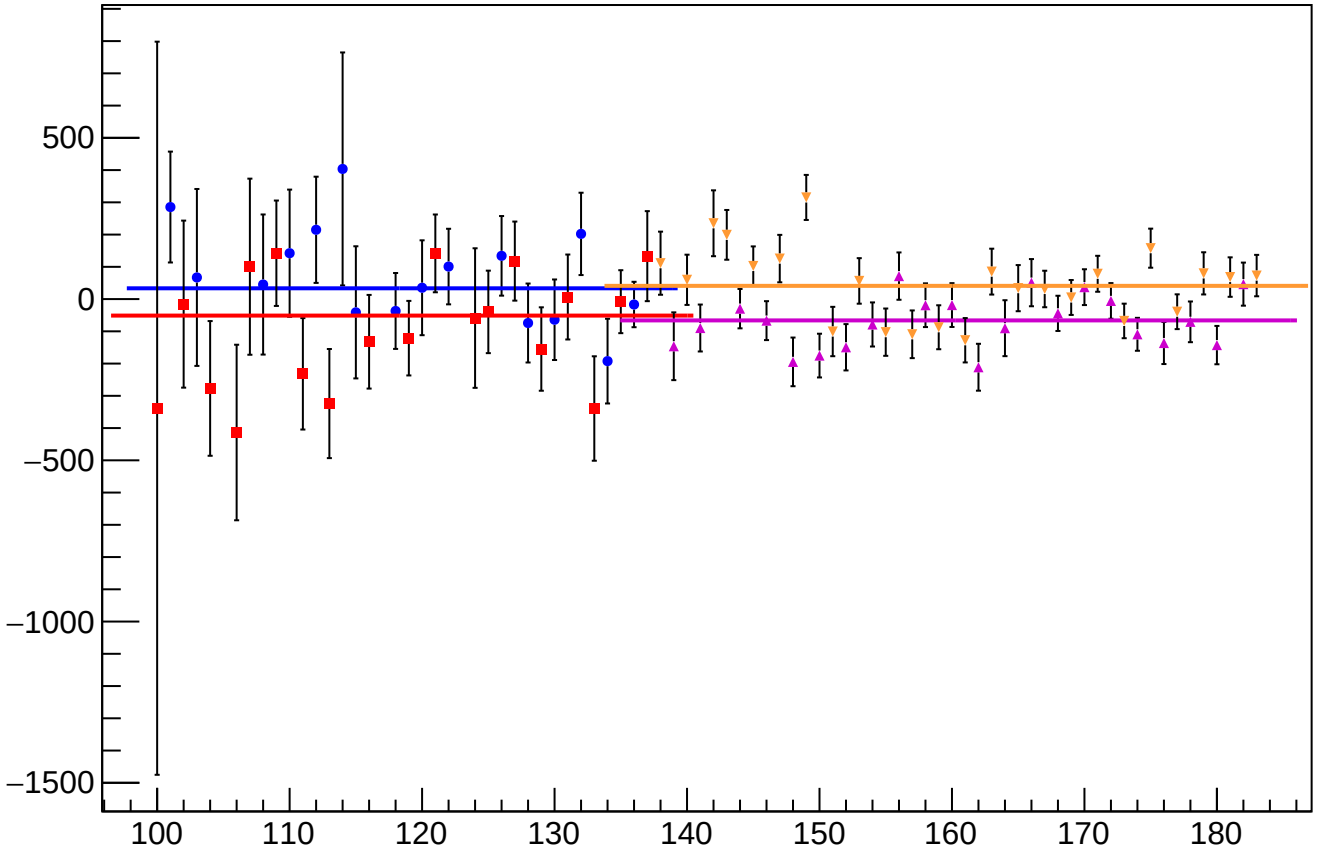
Left In: 478.785+/-0.083 χ^2/NDF:2211951.4/21

+ sign 525.007+/-0.079 χ^2/NDF: 7695260.3/39

All: 524.220+/-0.056 χ^2/NDF: 15753389.9/80

- sign 523.403+/-0.080 χ^2/NDF: 8057925.8/40

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.028+/-13.562 χ^2/NDF:59.3/23

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

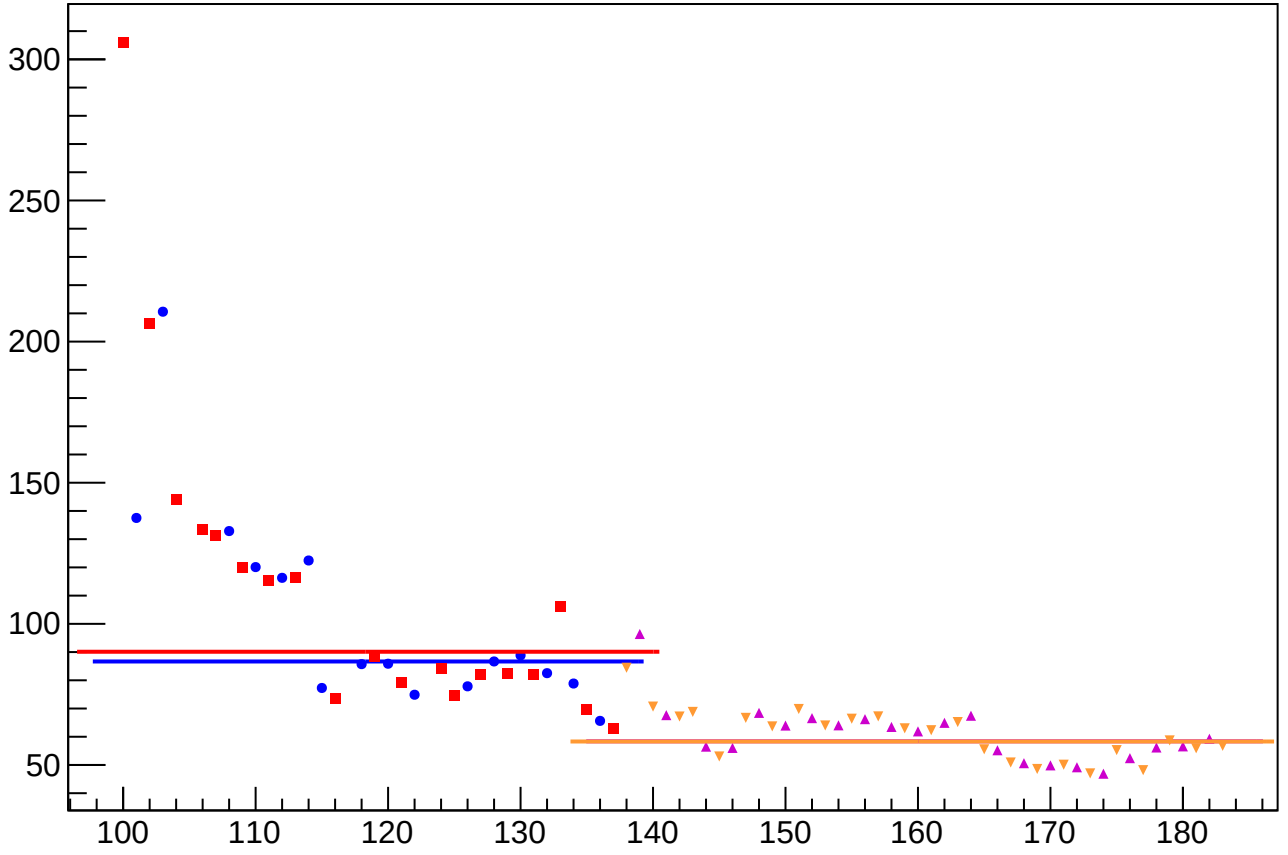
Left In: -66.131+/-13.980 χ^2/NDF:30.2/21

+ sign 39.978+/-12.591 χ^2/NDF: 72.2/39

All: -10.479+/-9.036 χ^2/NDF: 155.1/80

- sign -64.060+/-12.975 χ^2/NDF: 49.9/40

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.319+/-0.010 χ^2/NDF:759214.5/23

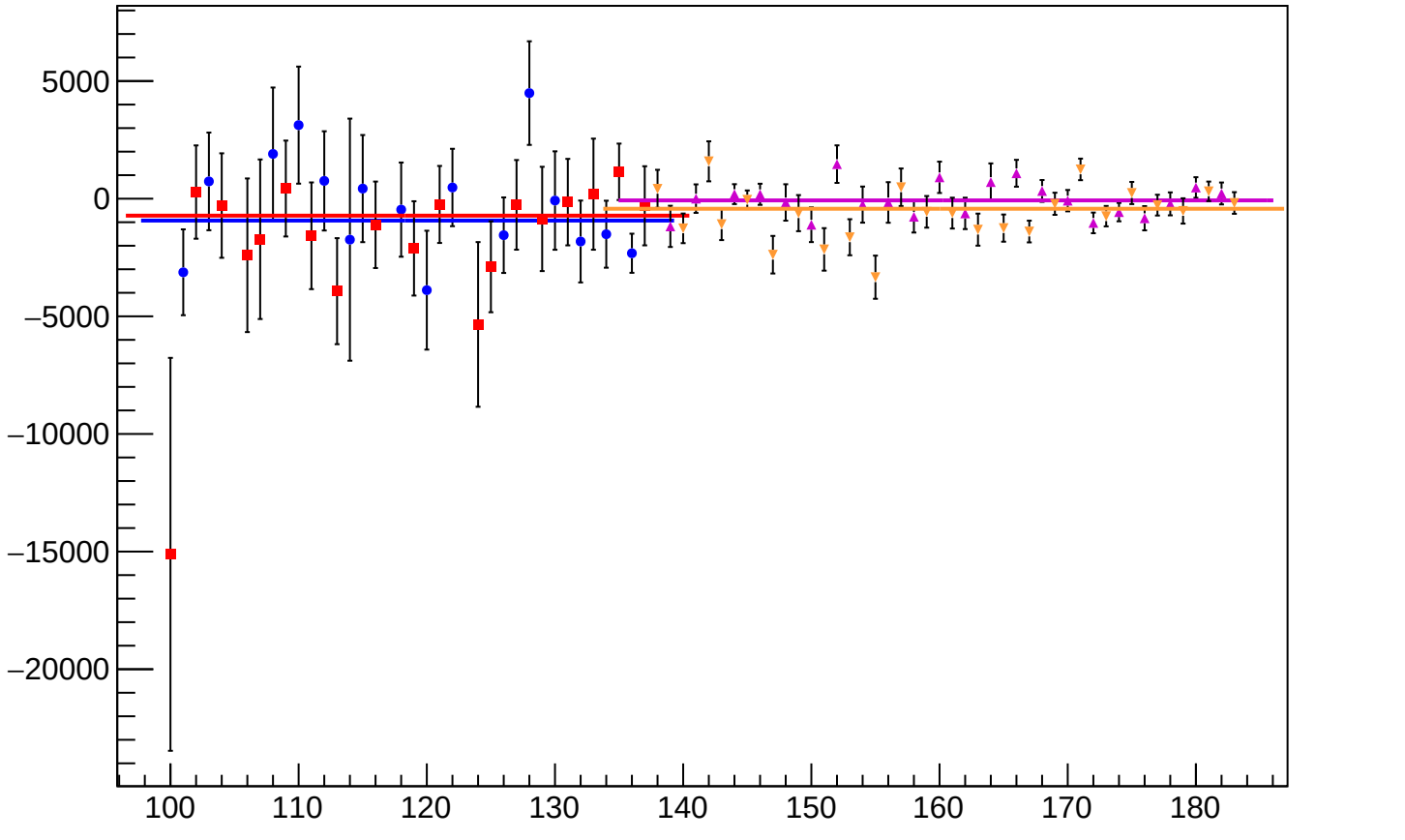
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.382+/-0.010 χ^2/NDF:735073.5/21

+ sign 62.234+/-0.009 χ^2/NDF: 3004755.1/39

All: 62.499+/-0.006 χ^2/NDF: 6315178.1/80

- sign 62.780+/-0.009 χ^2/NDF: 3308596.5/40



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -428.244+/-115.013 χ^2/NDF:61.8/23

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

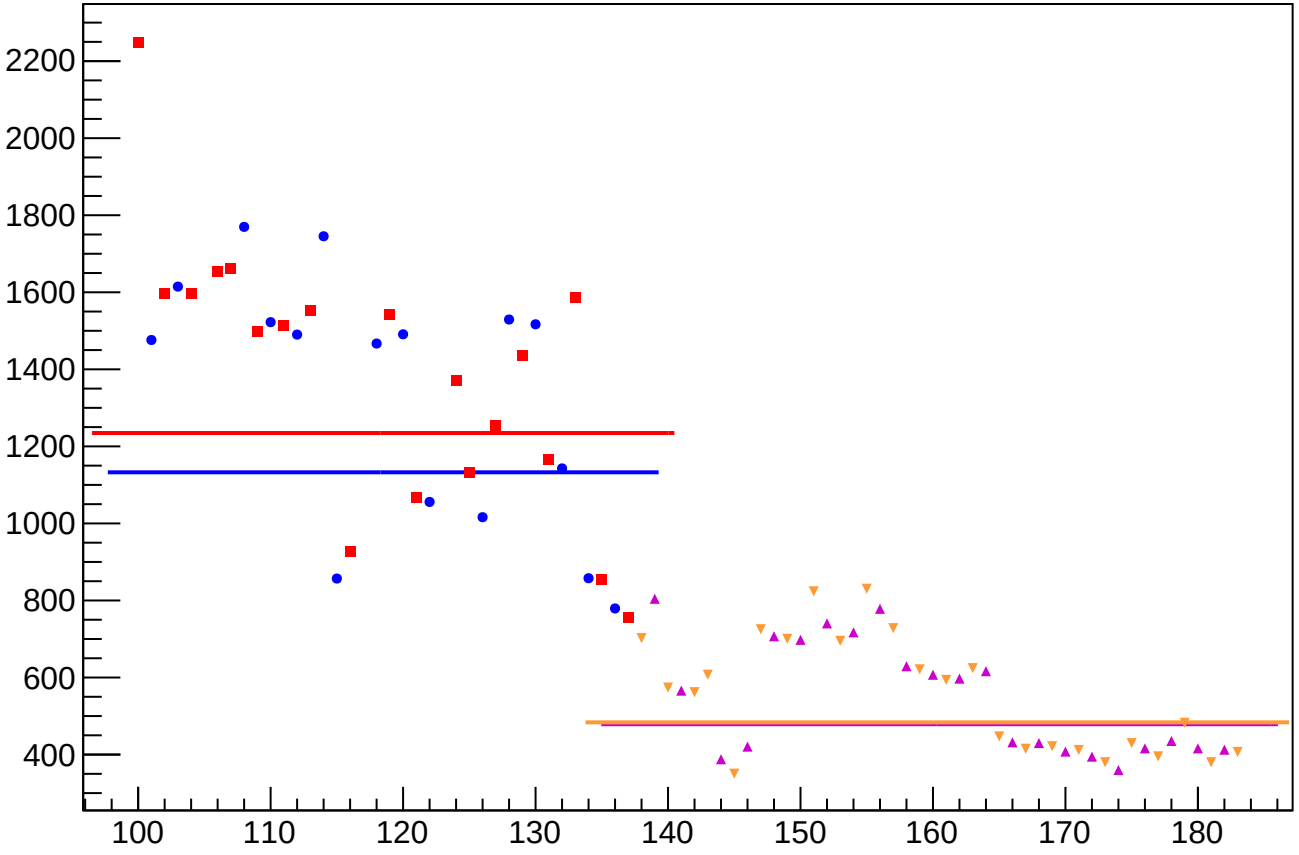
Left In: -71.732+/-116.950 χ^2/NDF:28.4/21

+ sign -460.200+/-111.289 χ^2/NDF: 81.6/39

All: -288.392+/-79.453 χ^2/NDF: 129.2/80

- sign -109.787+/-113.469 χ^2/NDF: 42.7/40

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 483.654+/-0.081 χ^2/NDF:2513156.4/23

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

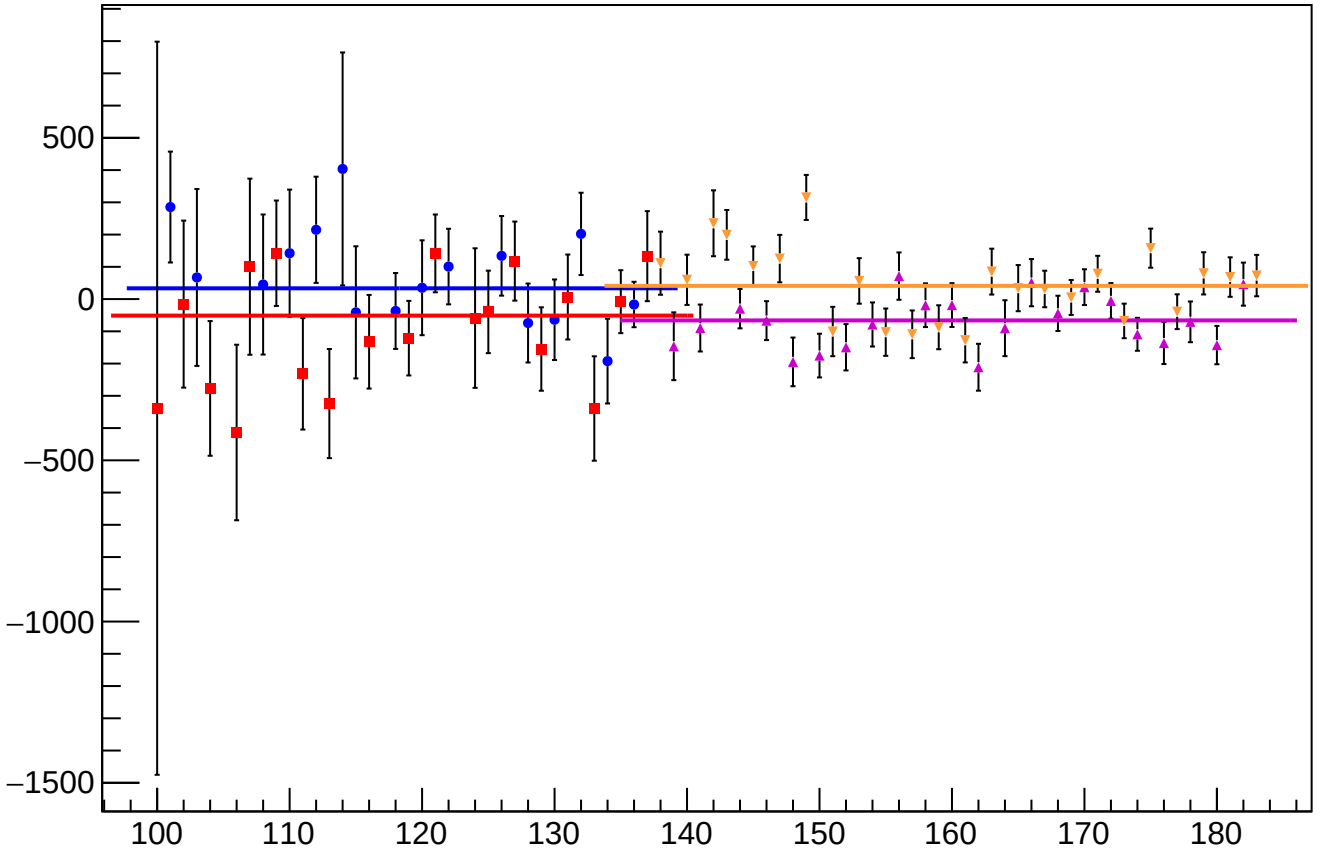
Left In: 478.785+/-0.083 χ^2/NDF:2211949.4/21

\+ sign 525.007+/-0.079 χ^2/NDF: 7695291.7/39

All: 524.081+/-0.056 χ^2/NDF: 15684335.2/80

\- sign 523.120+/-0.080 χ^2/NDF: 7988761.6/40

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 41.028+/-13.562 χ^2/NDF:59.3/23

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

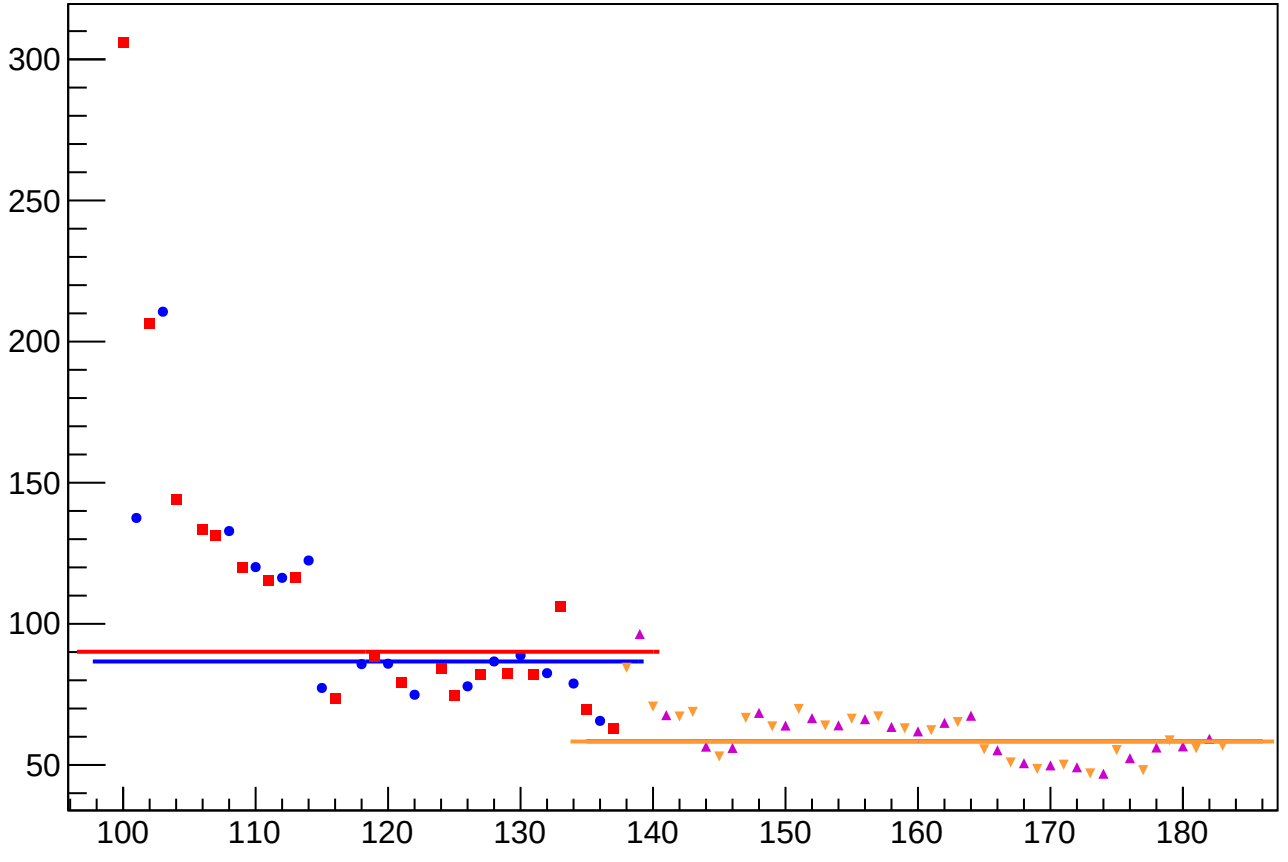
Left In: -66.131+/-13.980 χ^2/NDF:30.2/21

+ sign 39.978+/-12.591 χ^2/NDF: 72.2/39

All: -10.479+/-9.036 χ^2/NDF: 155.1/80

- sign -64.060+/-12.975 χ^2/NDF: 49.9/40

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.319+/-0.010 χ^2/NDF:759214.5/23

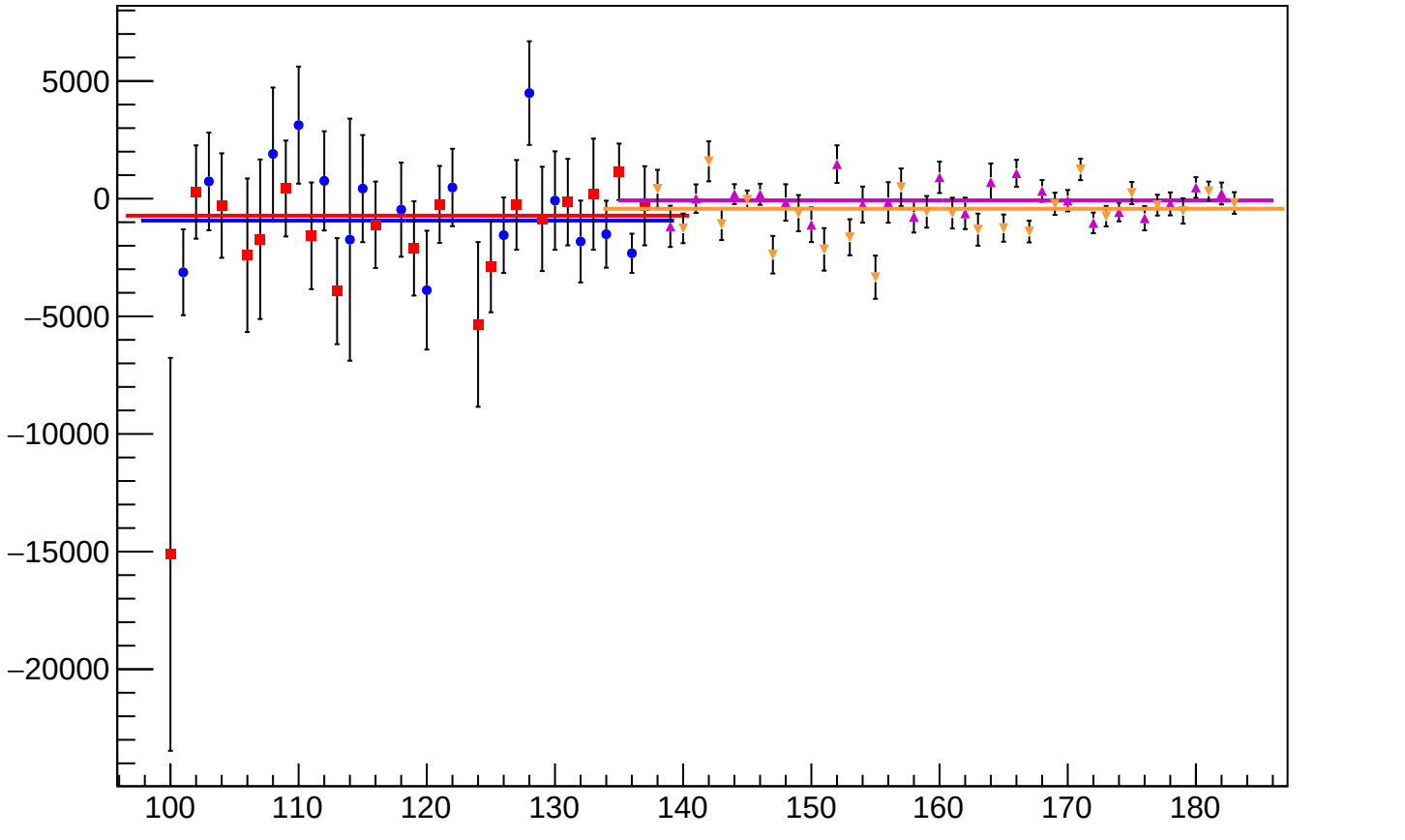
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.382+/-0.010 χ^2/NDF:735073.5/21

+ sign 62.234+/-0.009 χ^2/NDF: 3004755.1/39

All: 62.499+/-0.006 χ^2/NDF: 6315178.1/80

- sign 62.780+/-0.009 χ^2/NDF: 3308596.5/40



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -428.244+/-115.013 χ^2/NDF:61.8/23

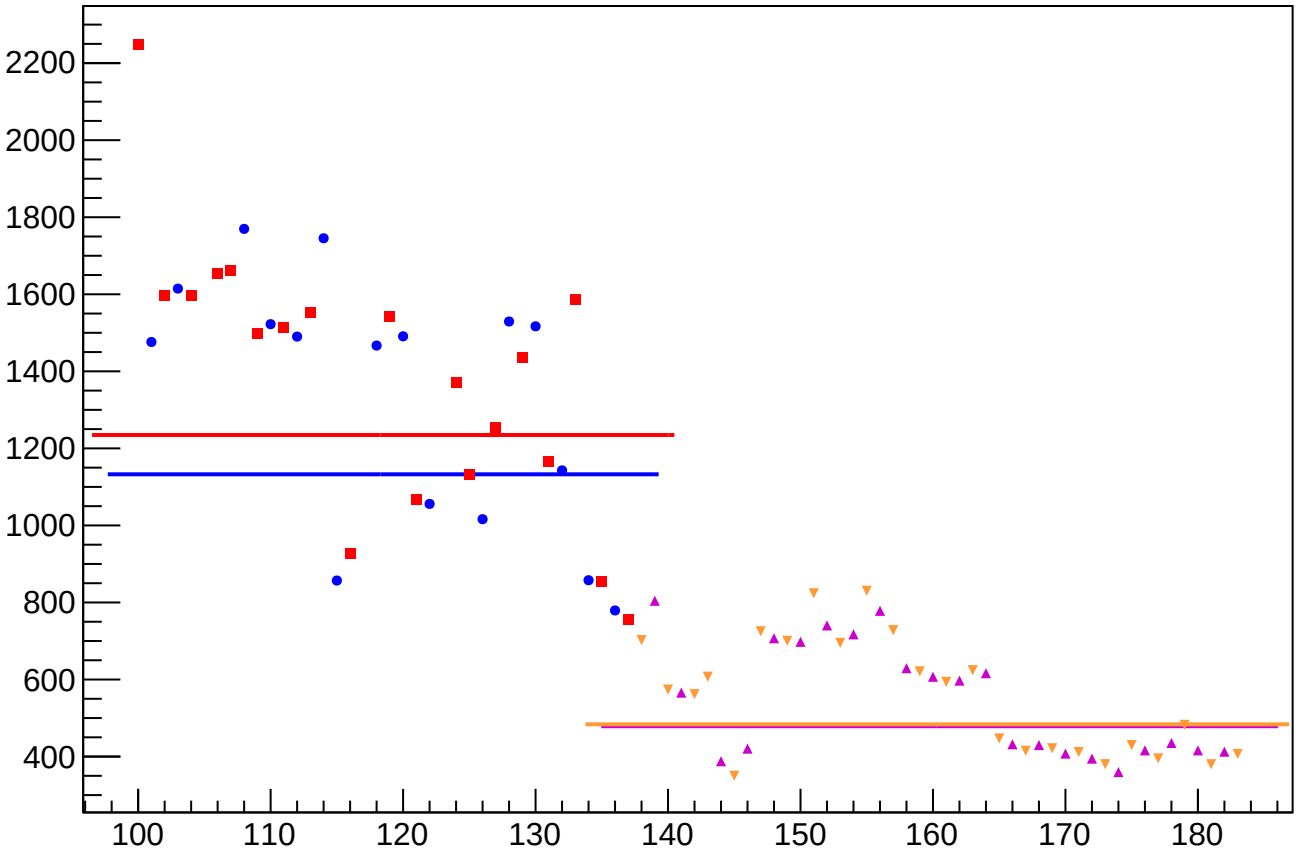
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -71.732+/-116.950 χ^2/NDF:28.4/21

+ sign -460.200+/-111.289 χ^2/NDF: 81.6/39

All: -288.392+/-79.453 χ^2/NDF: 129.2/80

- sign -109.787+/-113.469 χ^2/NDF: 42.7/40



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 483.654+/-0.081 χ^2/NDF:2513156.4/23

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

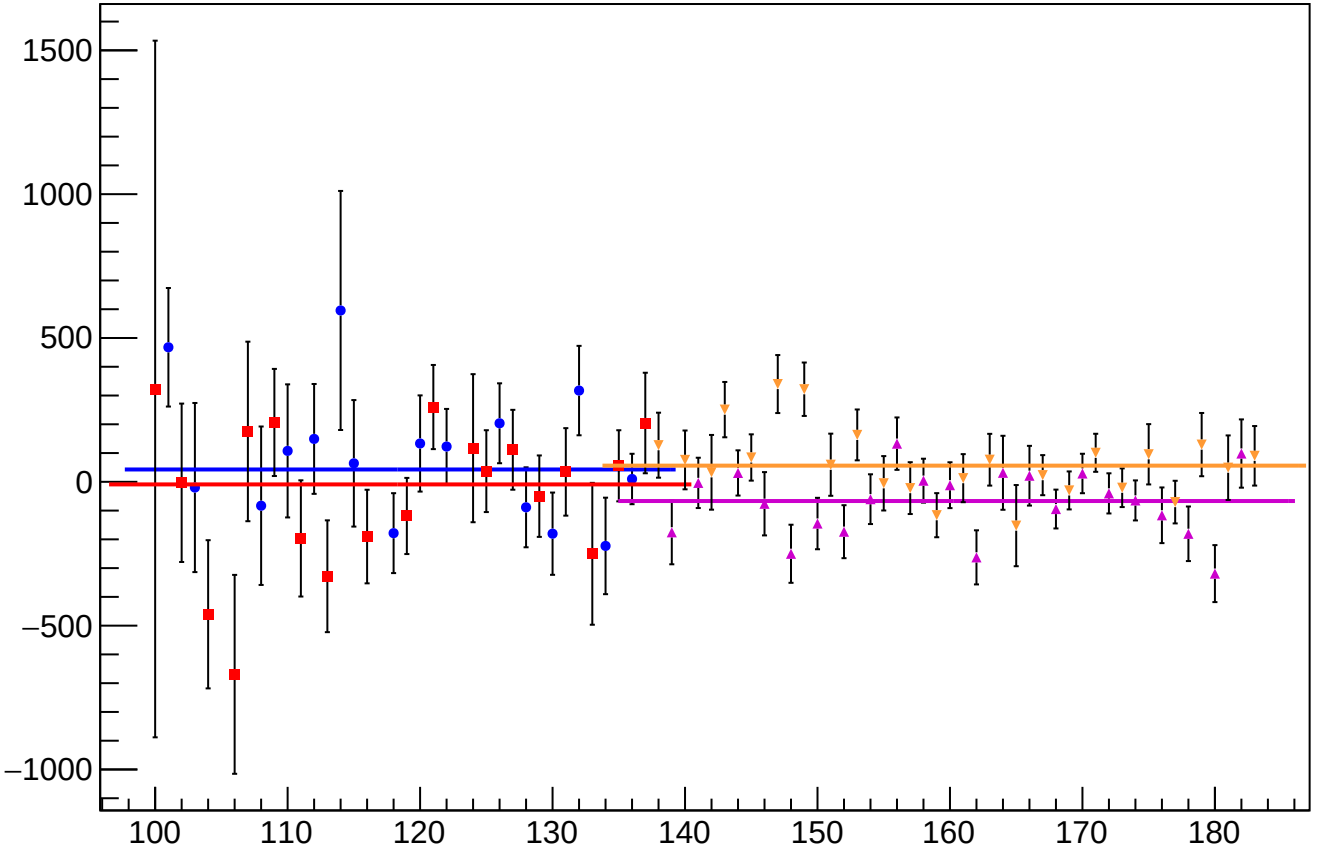
Left In: 478.785+/-0.083 χ^2/NDF:2211949.4/21

+ sign 525.007+/-0.079 χ^2/NDF: 7695291.7/39

All: 524.081+/-0.056 χ^2/NDF: 15684335.2/80

- sign 523.120+/-0.080 χ^2/NDF: 7988761.6/40

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 56.270+/-18.078 χ^2/NDF:38.3/23

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

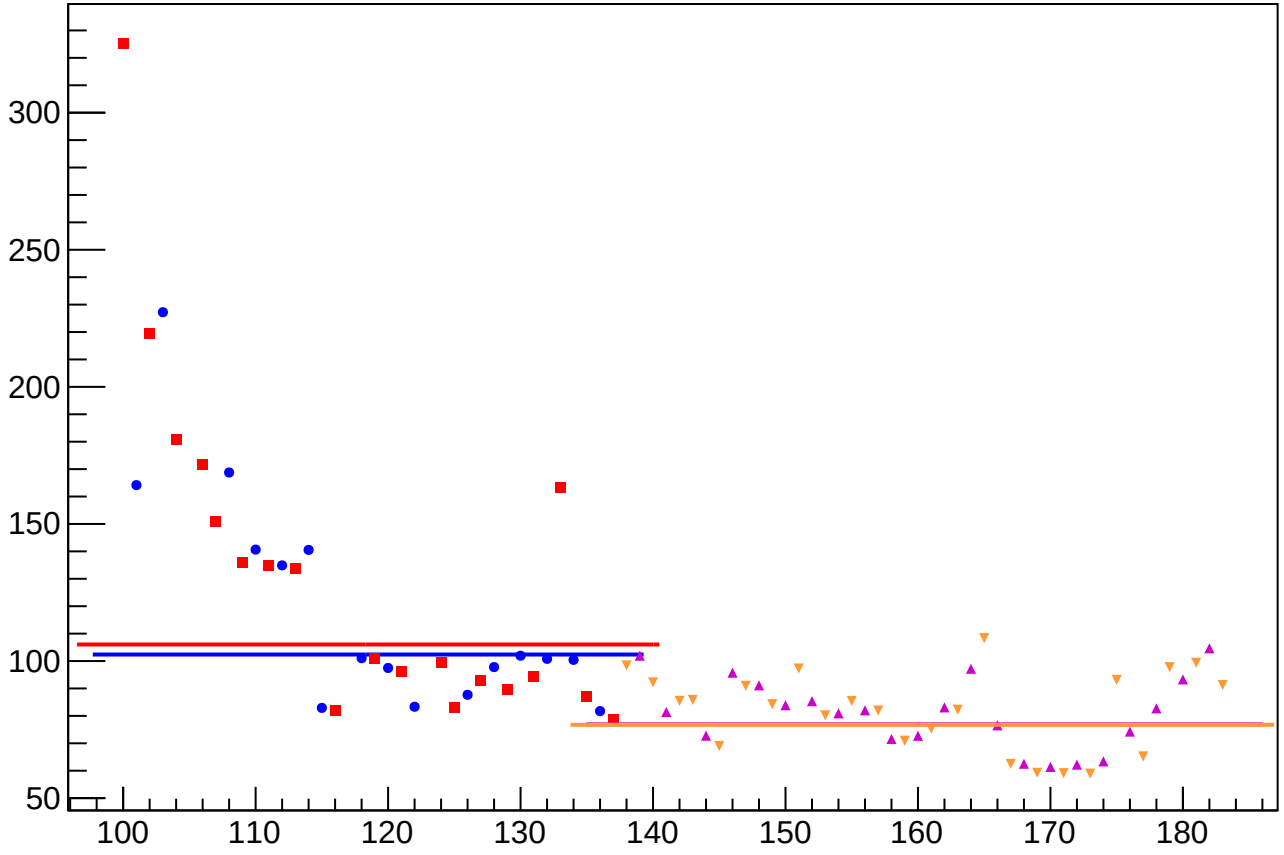
Left In: -66.768+/-18.628 χ^2/NDF:32.6/21

+ sign 54.000+/-16.470 χ^2/NDF: 58.7/39

All: 0.186+/-11.817 χ^2/NDF: 136.3/80

- sign -56.905+/-16.964 χ^2/NDF: 55.6/40

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.0/23

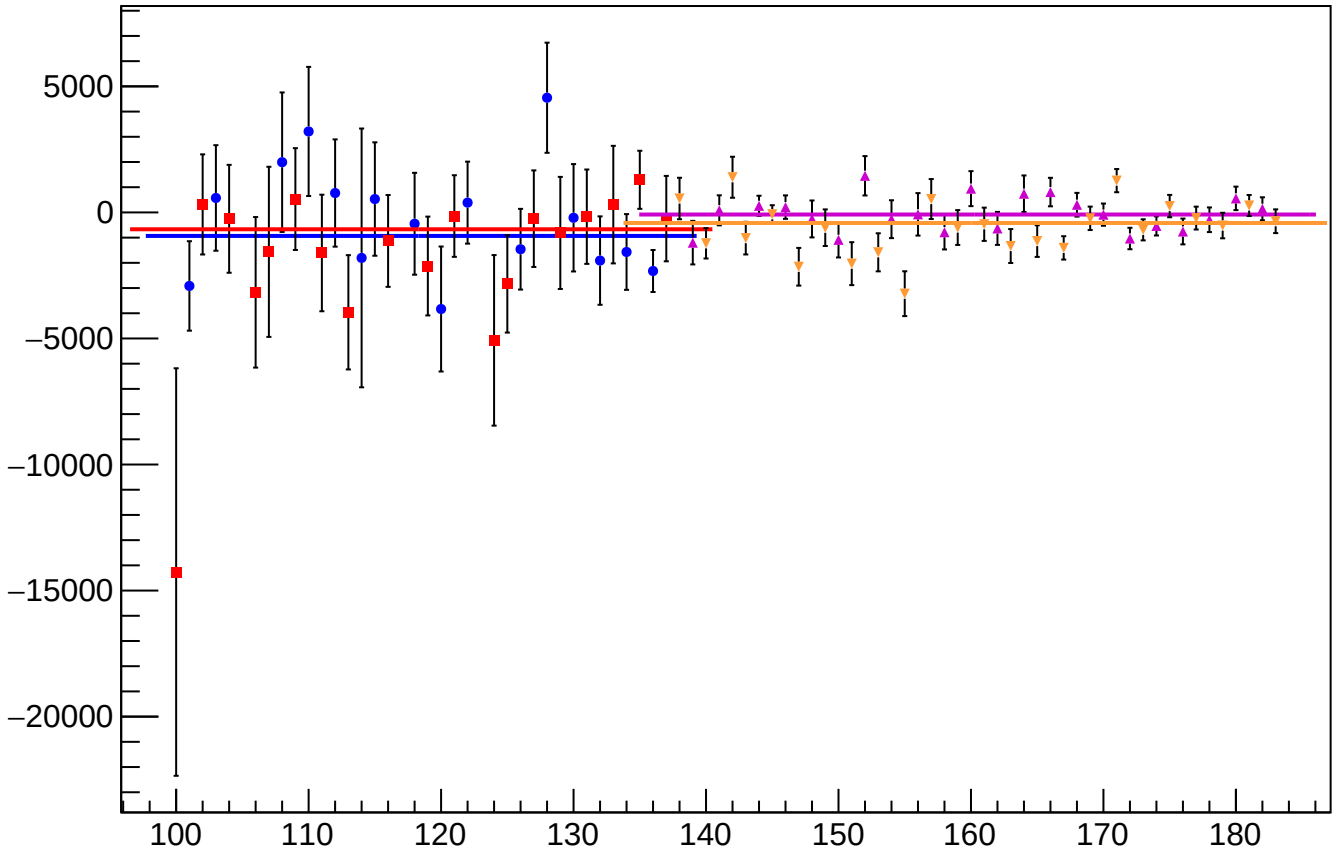
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 76.909+/-0.013 χ^2/NDF:854043.3/21

\+ sign 81.101+/-0.012 χ^2/NDF: 2900507.4/39

All: 81.479+/-0.008 χ^2/NDF: 5782439.4/80

\- sign 81.881+/-0.012 χ^2/NDF: 2879759.1/40



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -418.952+/-112.846 χ^2/NDF:59.7/23

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

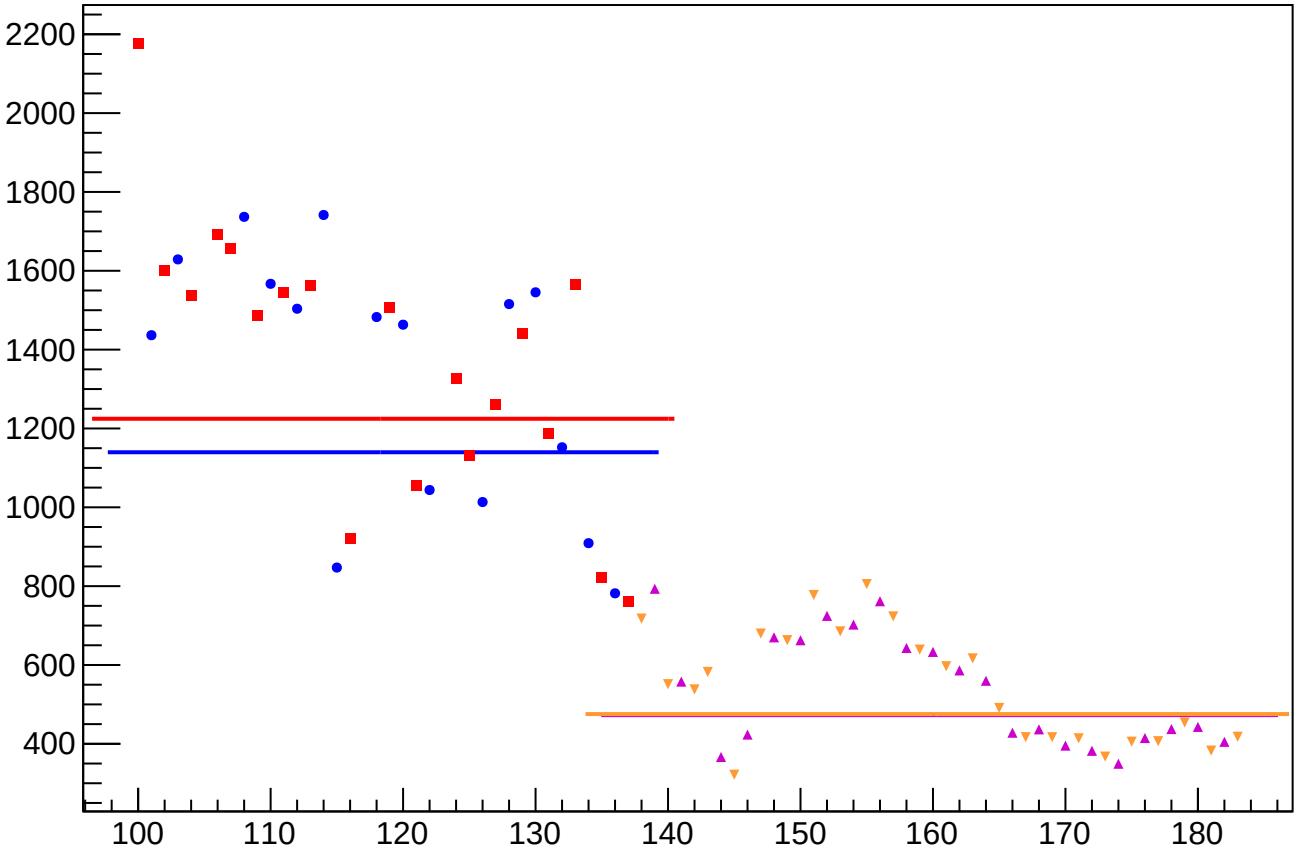
Left In: -83.525+/-115.538 χ^2/NDF:27.8/21

\+ sign -450.273+/-109.349 χ^2/NDF: 79.5/39

All: -288.165+/-78.277 χ^2/NDF: 126.8/80

\- sign -117.788+/-112.103 χ^2/NDF: 42.8/40

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 475.470+/-0.080 χ^2/NDF:2527502.0/23

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

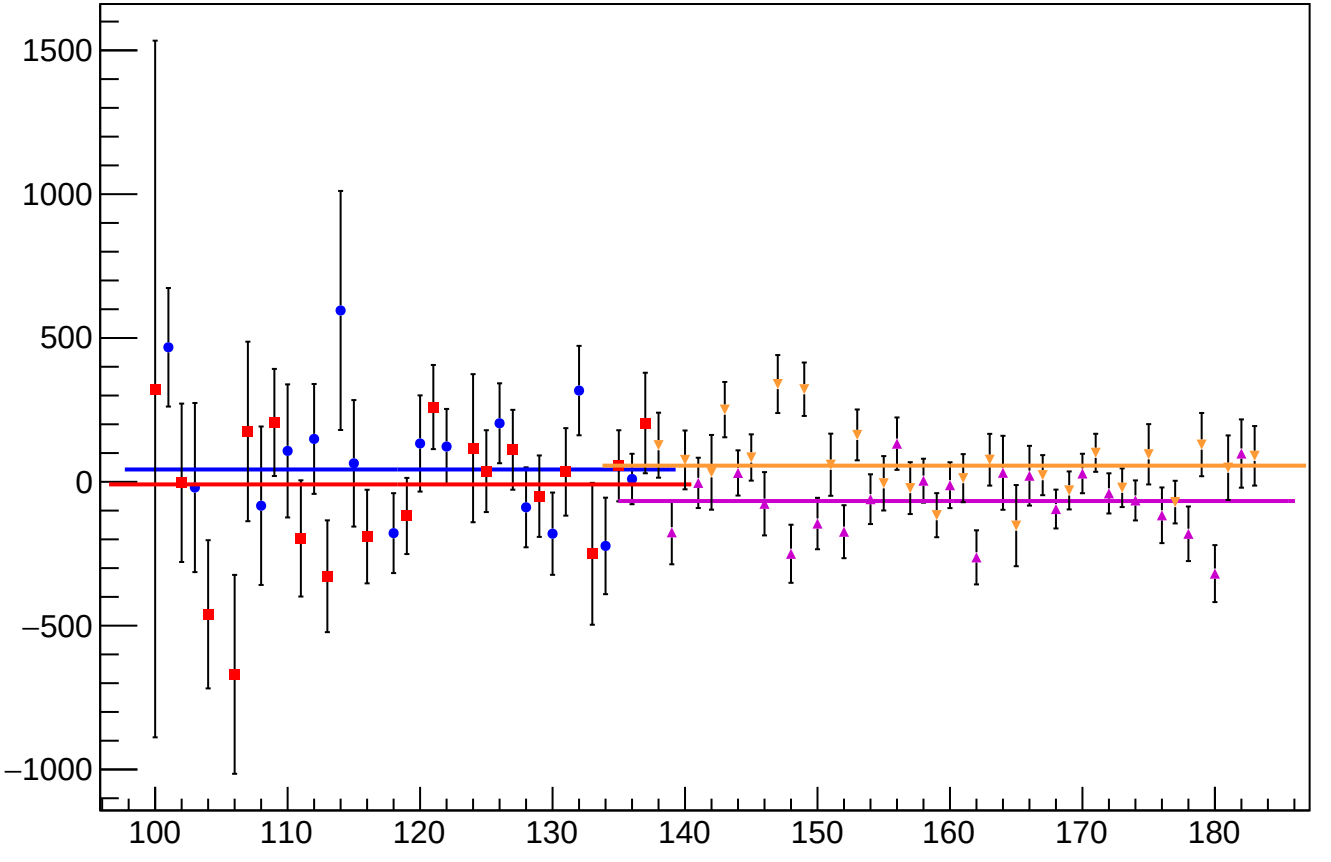
Left In: 472.789+/-0.082 χ^2/NDF:2197573.0/21

+ sign 515.989+/-0.077 χ^2/NDF: 7847668.0/39

All: 516.397+/-0.055 χ^2/NDF: 15928085.4/80

- sign 516.825+/-0.079 χ^2/NDF: 8080360.4/40

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 56.269+/-18.078 χ^2/NDF:38.3/23

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

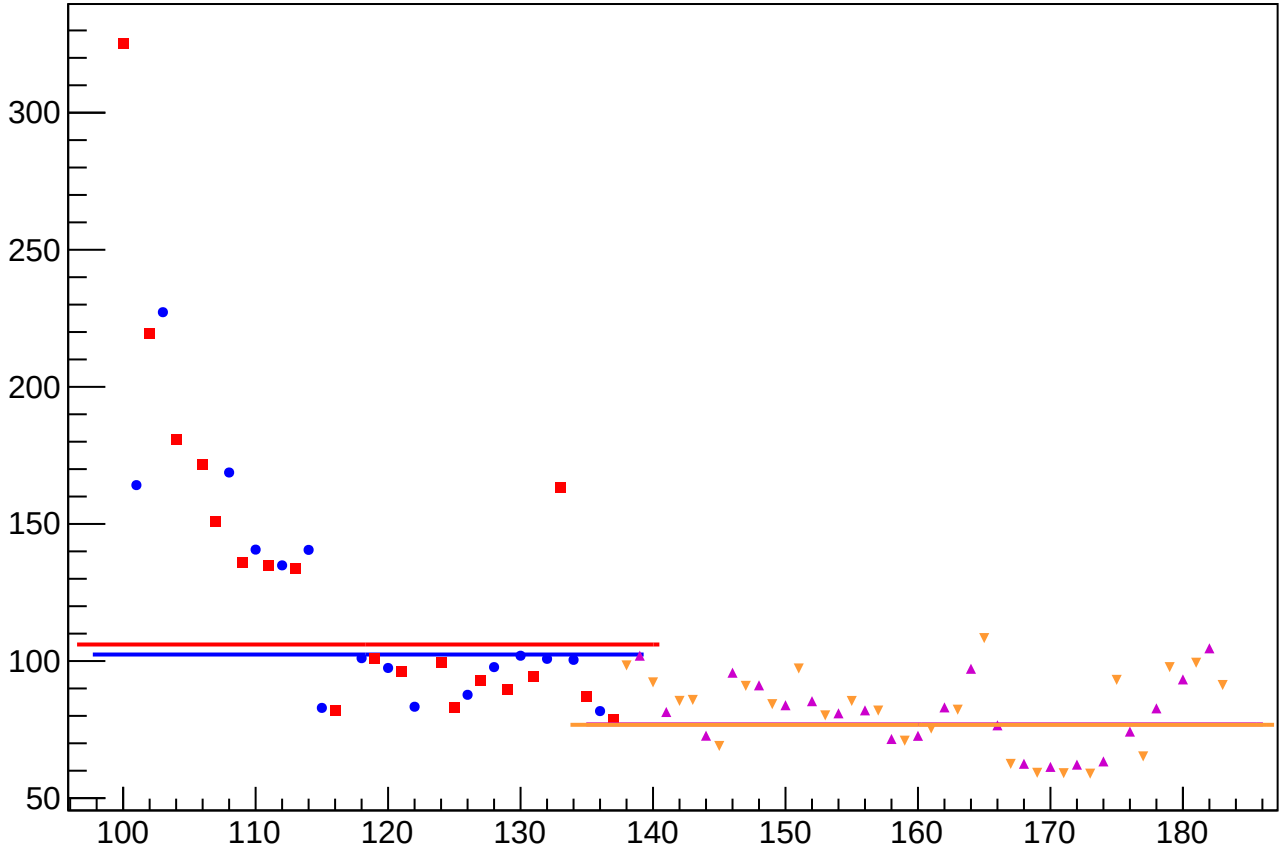
Left In: -66.767+/-18.628 χ^2/NDF:32.6/21

+ sign 53.999+/-16.470 χ^2/NDF: 58.7/39

All: 0.187+/-11.817 χ^2/NDF: 136.3/80

- sign -56.904+/-16.964 χ^2/NDF: 55.6/40

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/23

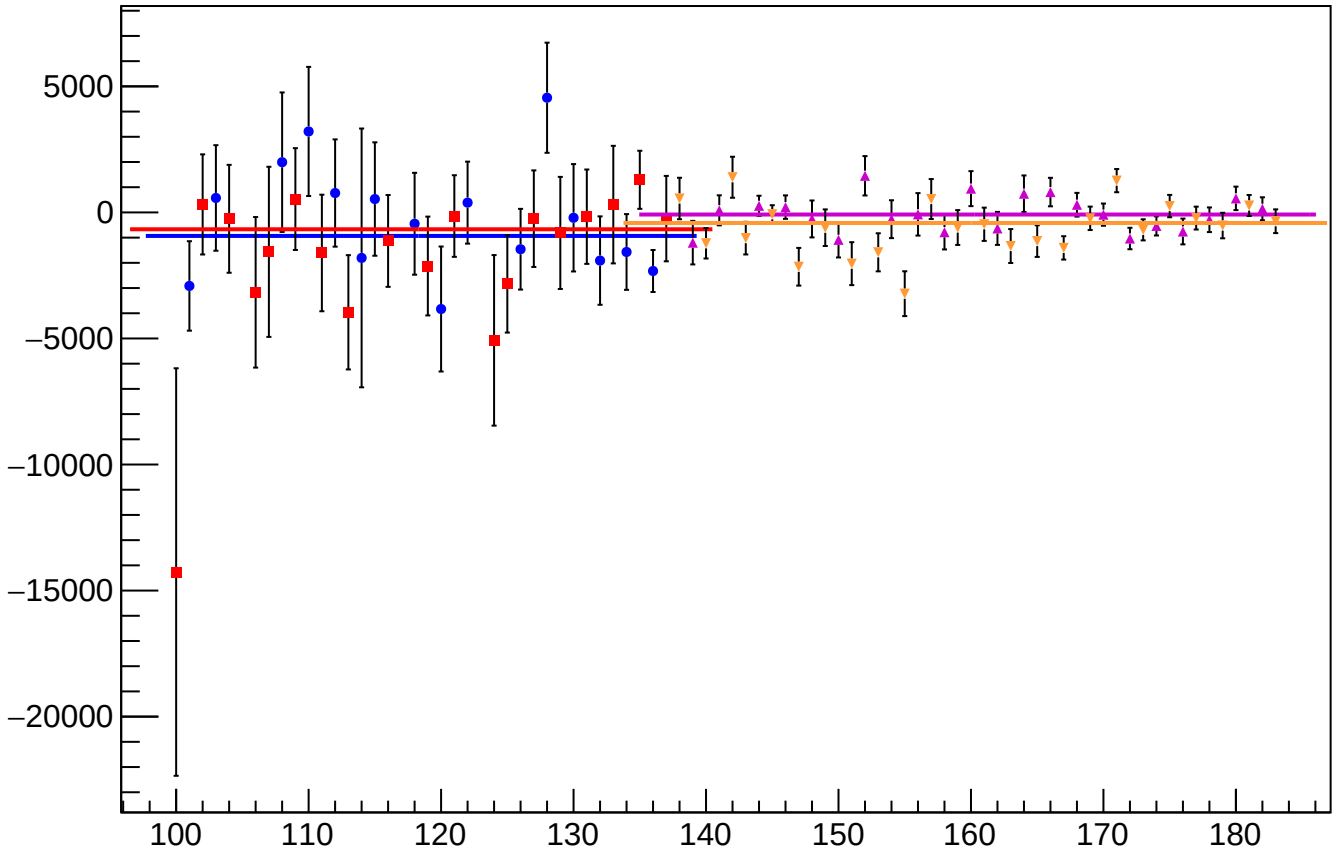
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 76.910+/-0.013 χ^2/NDF:854035.9/21

+ sign 81.101+/-0.012 χ^2/NDF: 2900478.1/39

All: 81.480+/-0.008 χ^2/NDF: 5782383.5/80

- sign 81.881+/-0.012 χ^2/NDF: 2879732.1/40



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -418.951+/-112.845 χ^2/NDF:59.7/23

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

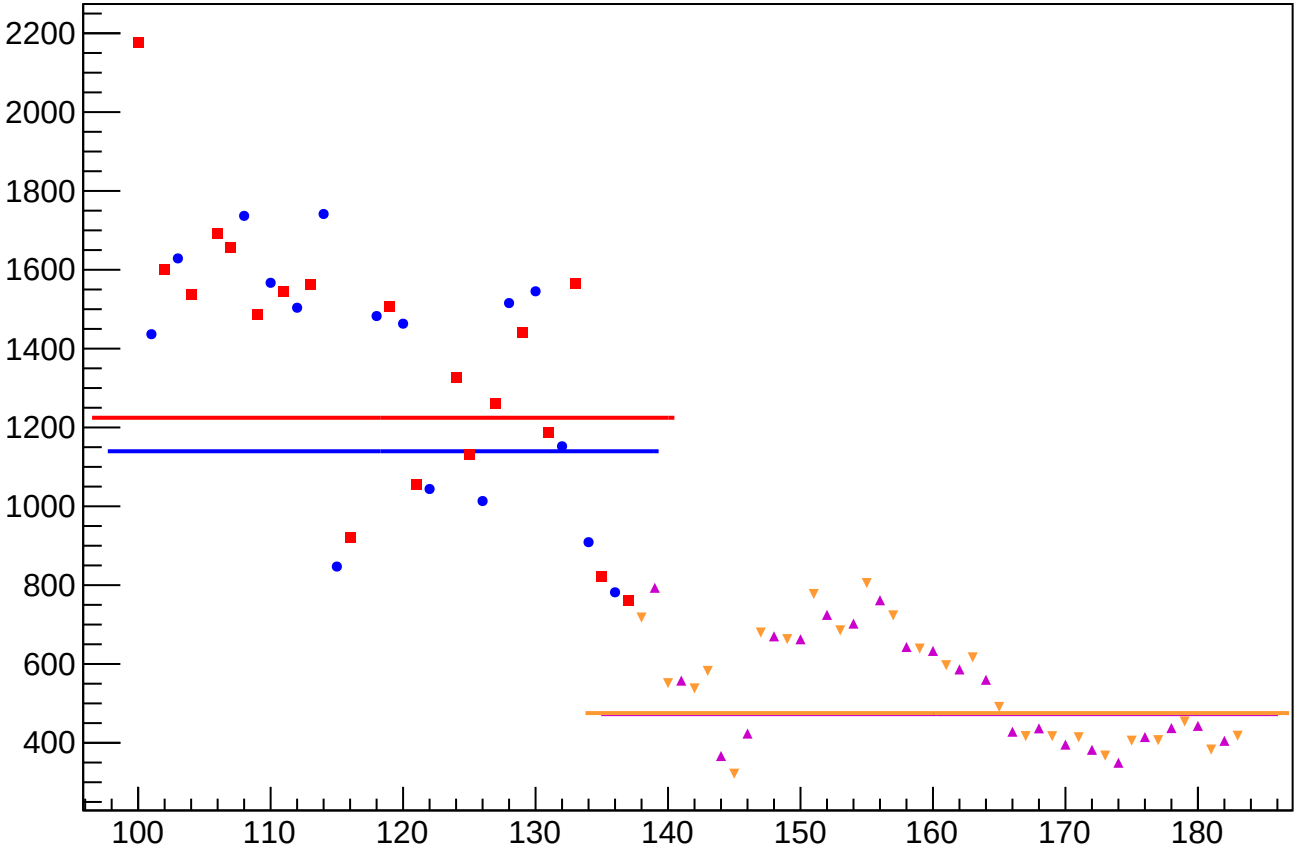
Left In: -83.525+/-115.538 χ^2/NDF:27.8/21

\+ sign -450.273+/-109.349 χ^2/NDF: 79.5/39

All: -288.165+/-78.277 χ^2/NDF: 126.8/80

\- sign -117.788+/-112.103 χ^2/NDF: 42.8/40

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 475.470+/-0.080 χ^2/NDF:2527506.6/23

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

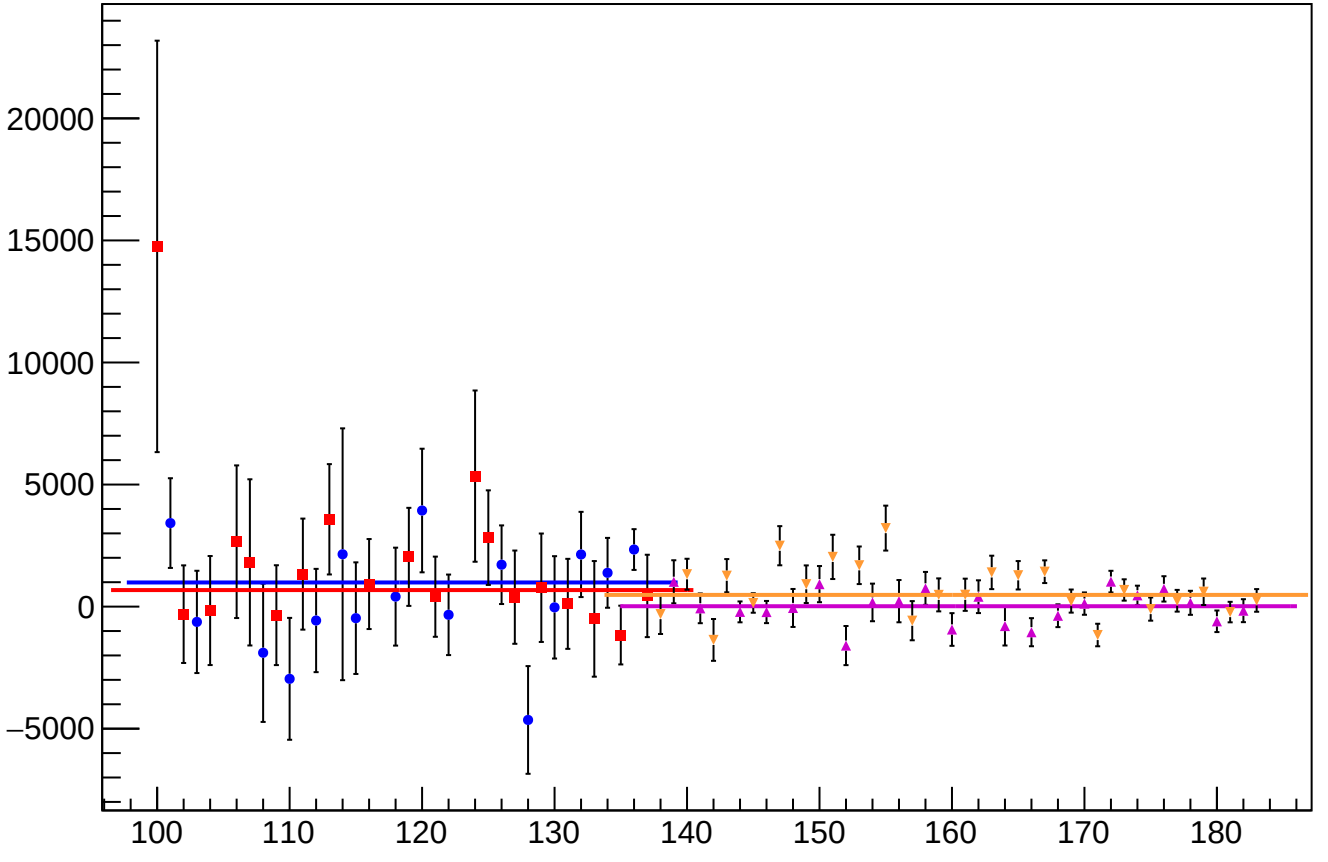
Left In: 472.789+/-0.082 χ^2/NDF:2197568.8/21

+ sign 515.989+/-0.077 χ^2/NDF: 7847661.5/39

All: 516.396+/-0.055 χ^2/NDF: 15928061.2/80

- sign 516.825+/-0.079 χ^2/NDF: 8080342.7/40

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 479.995+/-115.909 χ^2/NDF:58.0/23

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

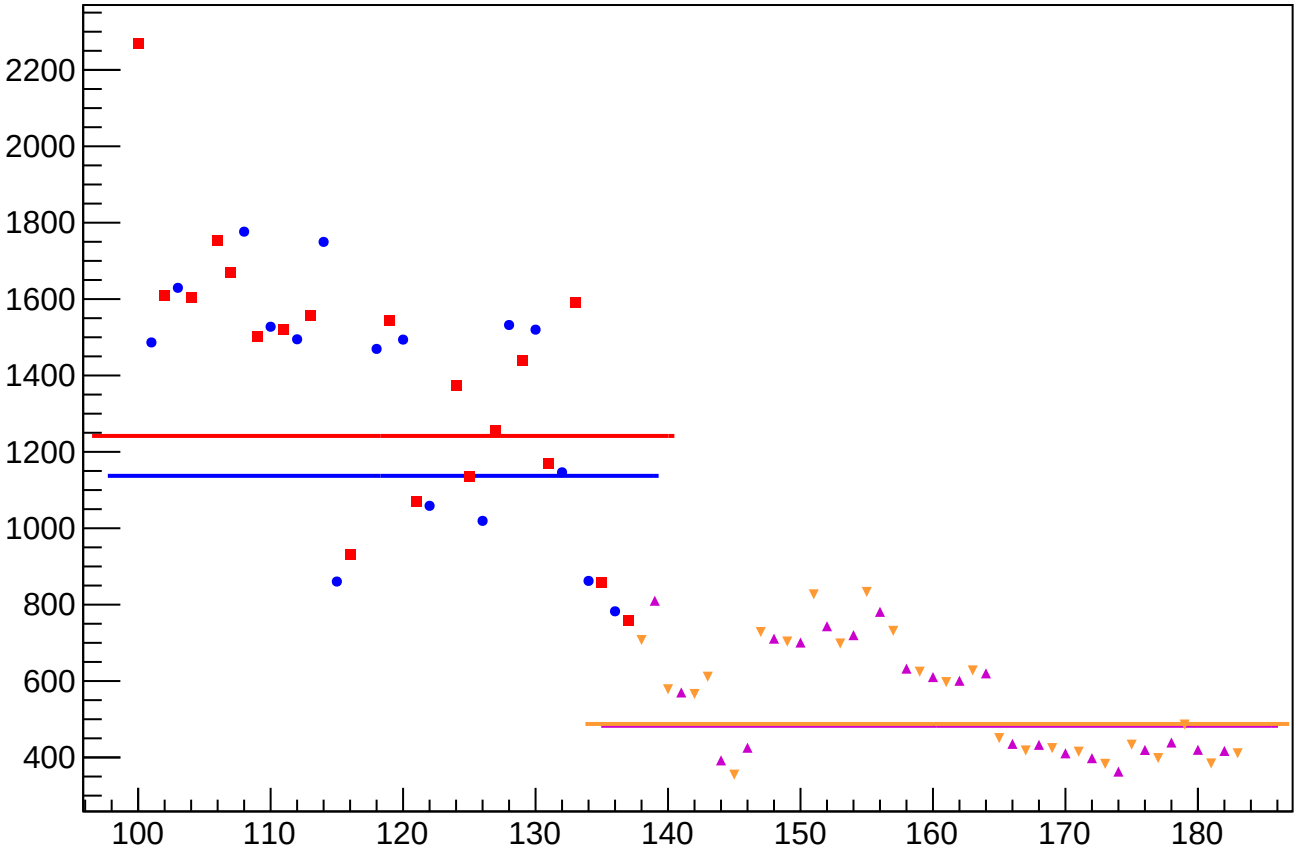
Left In: 16.175+/-117.893 χ^2/NDF:26.8/21

+ sign 512.679+/-112.128 χ^2/NDF: 78.2/39

All: 288.508+/-80.059 χ^2/NDF: 127.0/80

- sign 55.384+/-114.345 χ^2/NDF: 40.6/40

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 487.650+/-0.082 χ^2/NDF:2479290.4/23

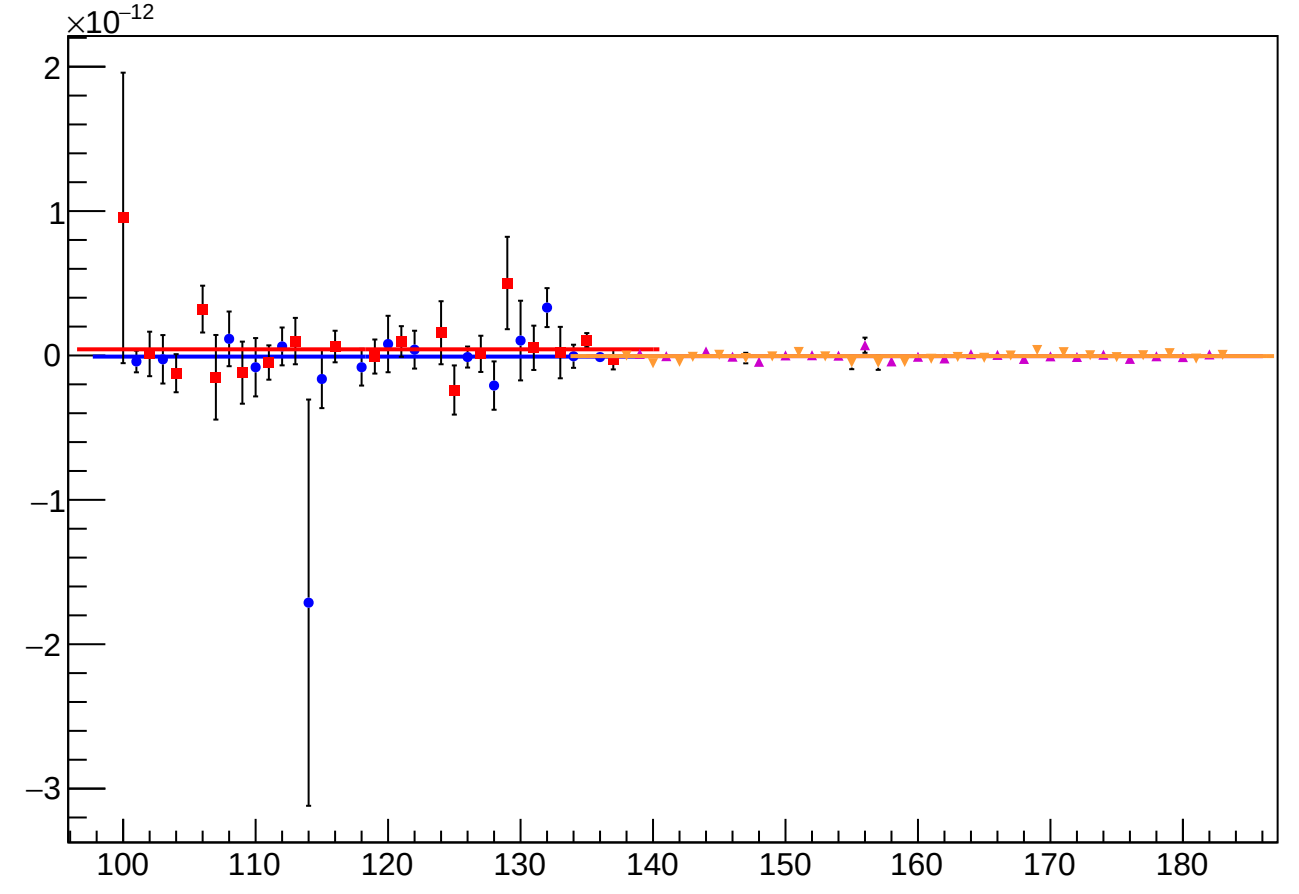
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 482.858+/-0.083 χ^2/NDF:2183203.1/21

+ sign 529.333+/-0.079 χ^2/NDF: 7633745.8/39

All: 528.601+/-0.057 χ^2/NDF: 15628481.7/80

- sign 527.840+/-0.081 χ^2/NDF: 7994562.0/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

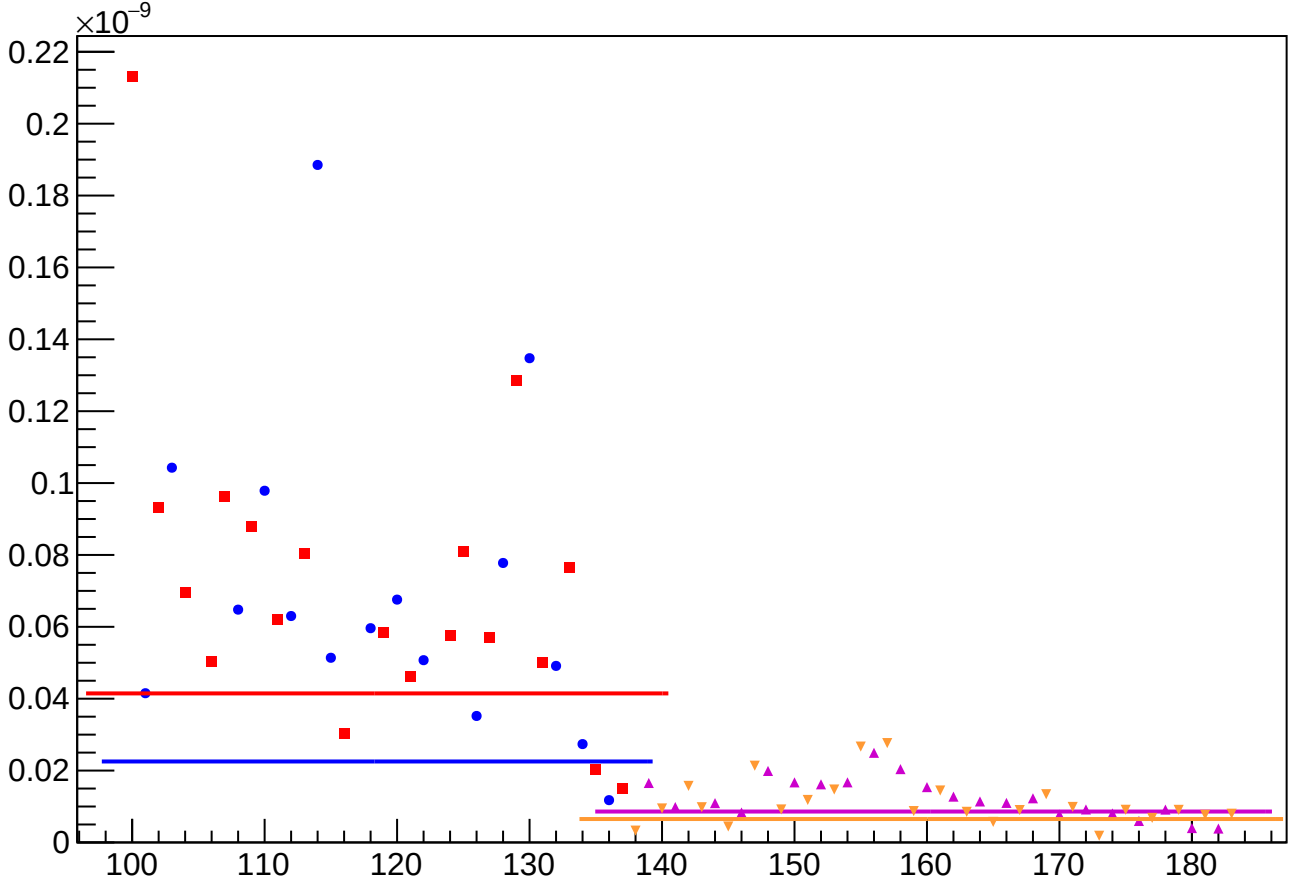
Left In: -0.000+/-0.000 χ^2/NDF:14.6/21

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/39

All: -0.000+/-0.000 χ^2/NDF: 73.7/80

- sign -0.000+/-0.000 χ^2/NDF: 33.1/40

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3730982.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

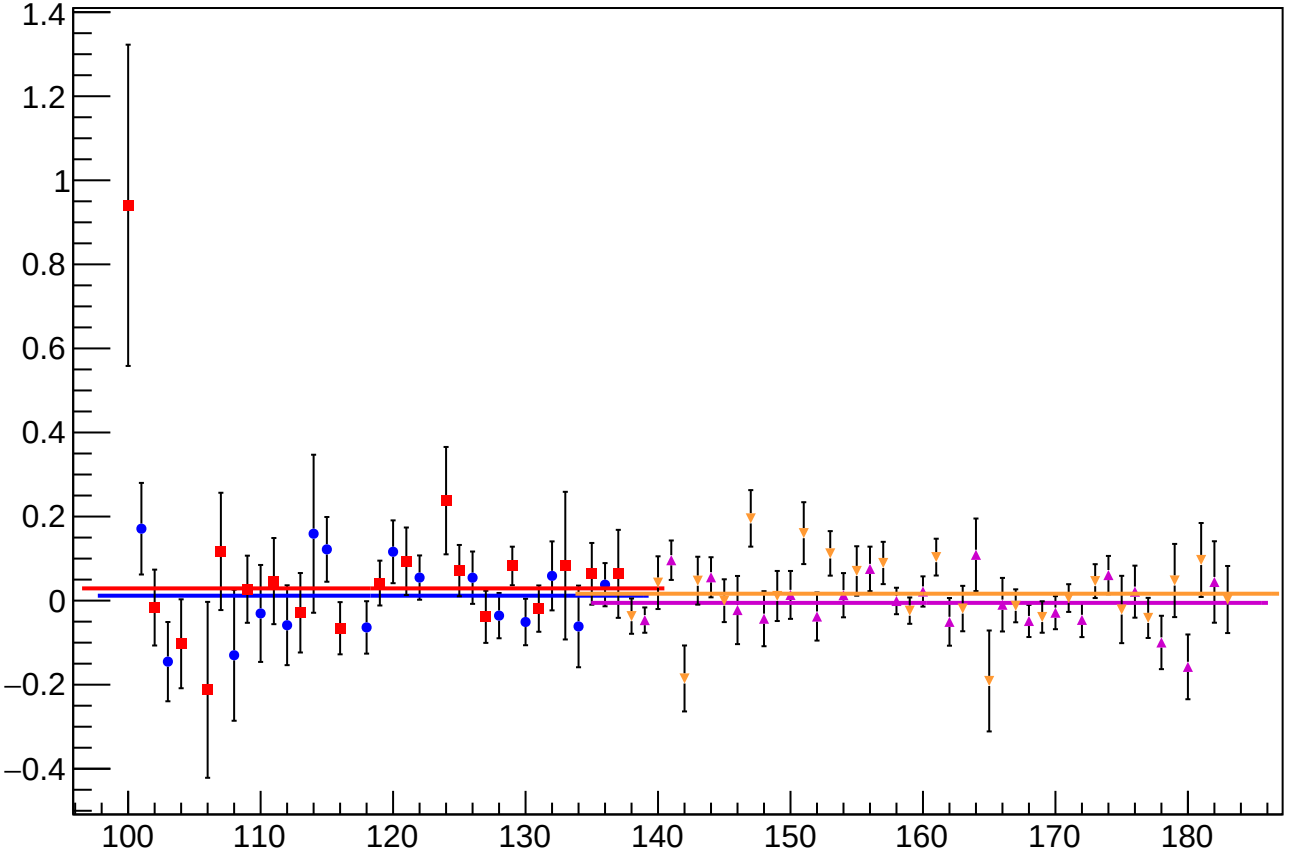
Left In: 0.000+/-0.000 χ^2/NDF:2557289.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 8232562.6/39

All: 0.000+/-0.000 χ^2/NDF: 15934783.4/80

- sign 0.000+/-0.000 χ^2/NDF: 7294924.7/40

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/23

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

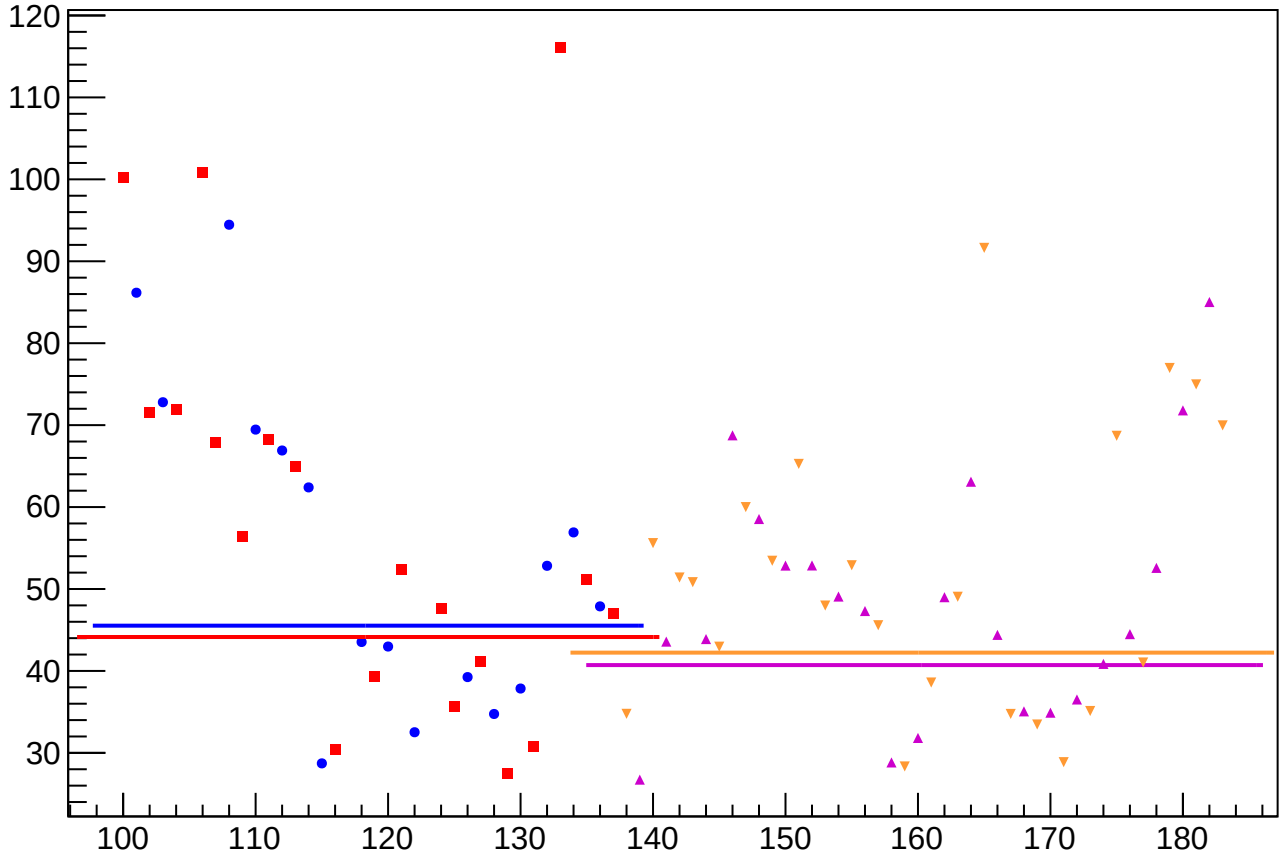
Left In: -0.005+/-0.010 χ^2/NDF:25.7/21

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/39

All: 0.009+/-0.006 χ^2/NDF: 106.8/80

- sign 0.003+/-0.009 χ^2/NDF: 48.0/40

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140680.8/23

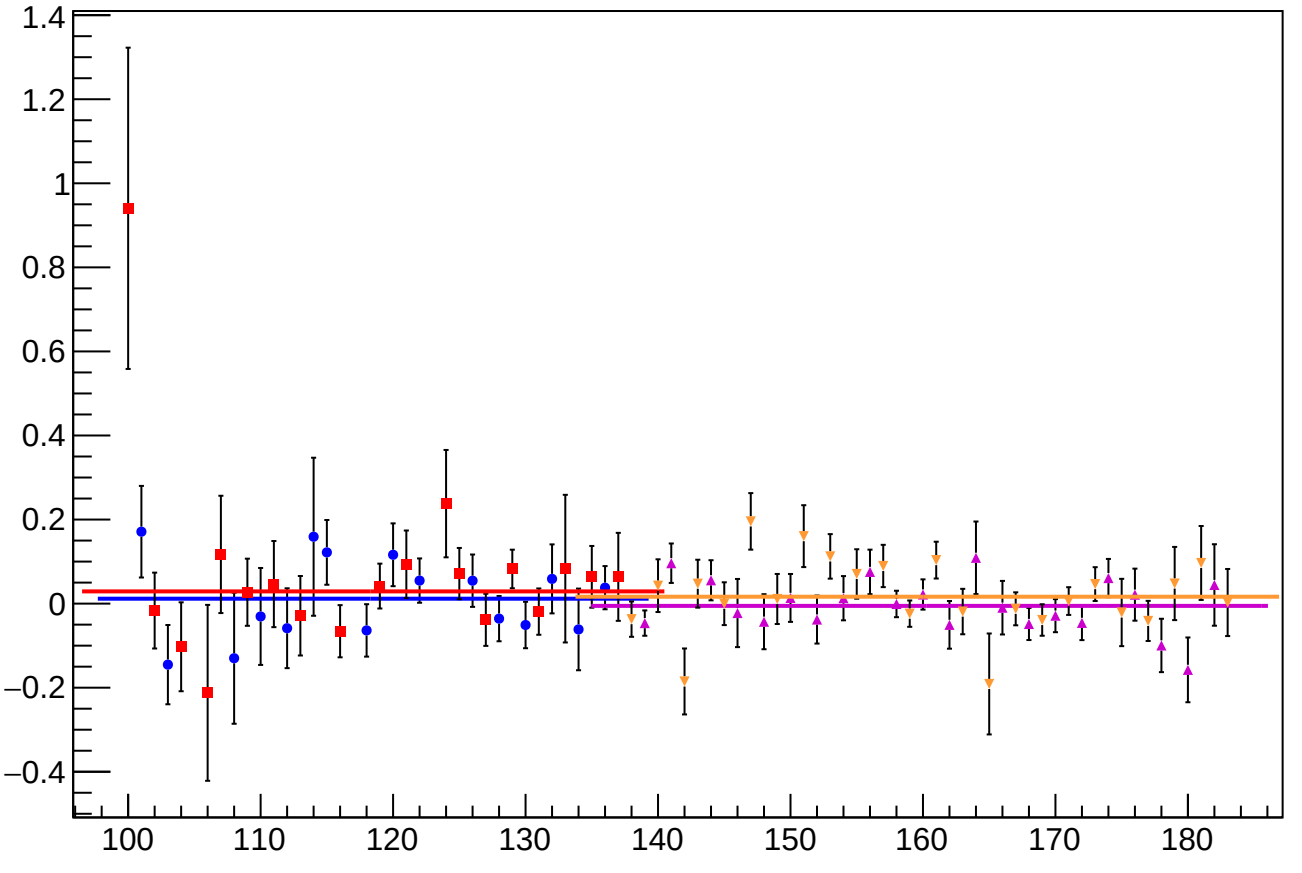
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.715+/-0.007 χ^2/NDF:2618132.2/21

+ sign 43.035+/-0.006 χ^2/NDF: 4443470.0/39

All: 42.296+/-0.004 χ^2/NDF: 8886615.6/80

- sign 41.571+/-0.006 χ^2/NDF: 4416627.4/40



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/23

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

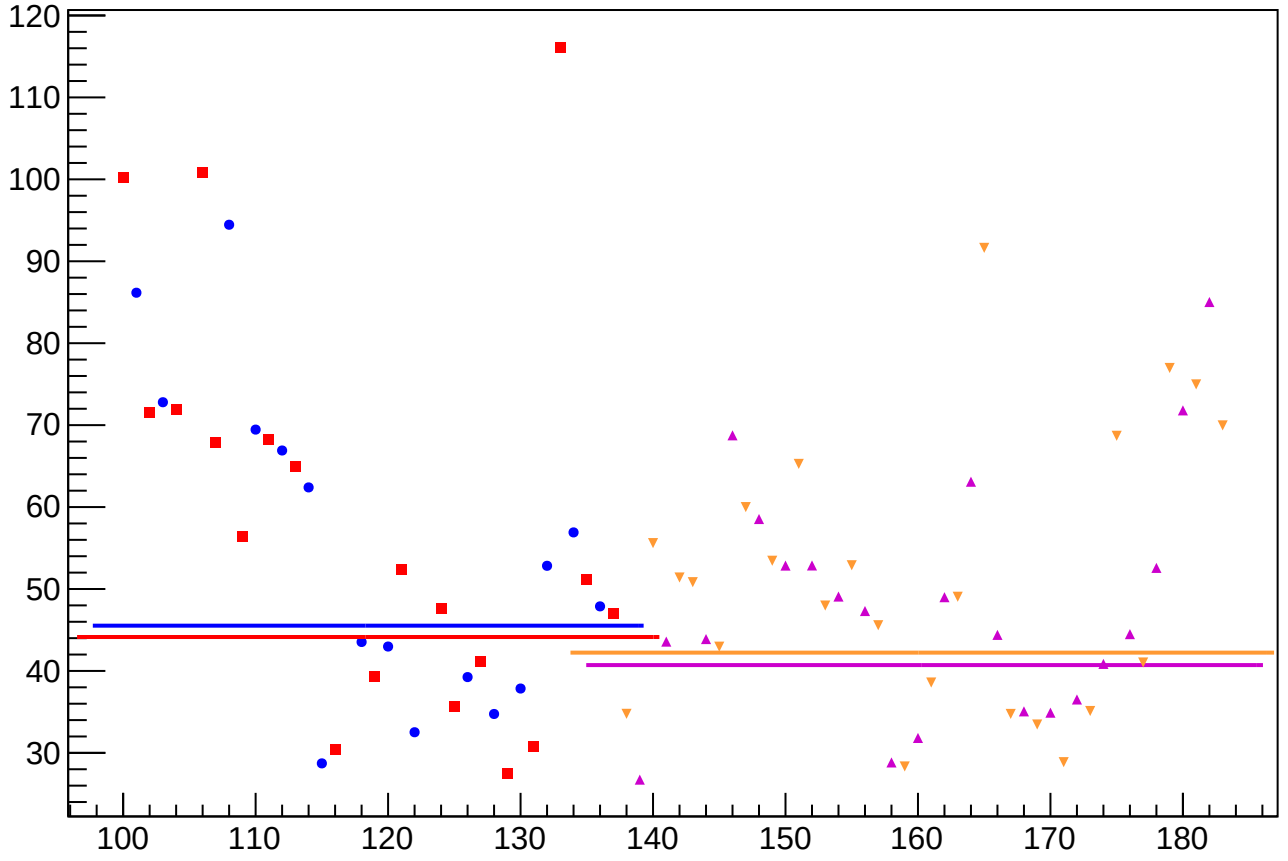
Left In: -0.005+/-0.010 χ^2/NDF:25.7/21

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/39

All: 0.009+/-0.006 χ^2/NDF: 106.8/80

- sign 0.003+/-0.009 χ^2/NDF: 48.0/40

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140680.8/23

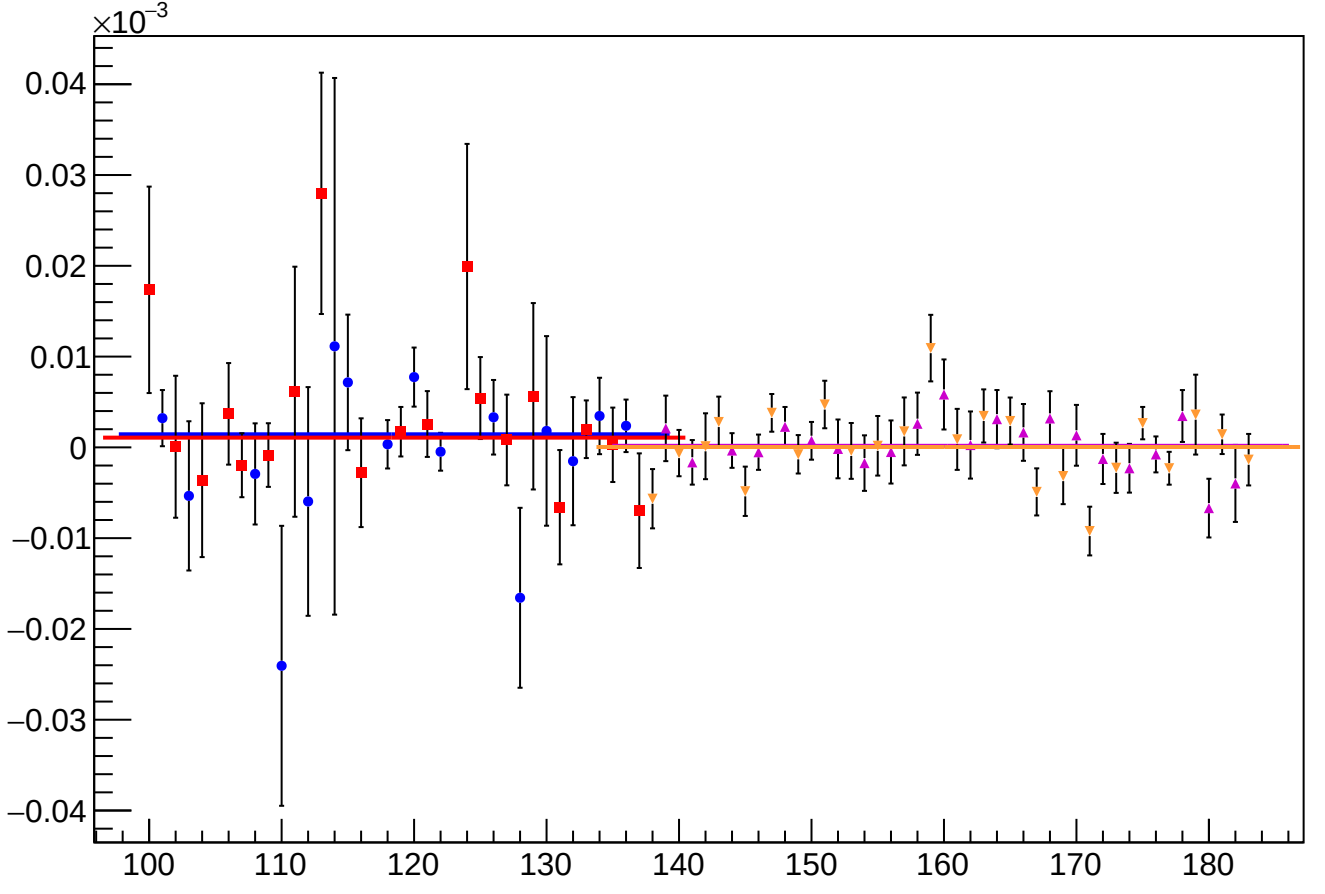
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.715+/-0.007 χ^2/NDF:2618132.2/21

+ sign 43.035+/-0.006 χ^2/NDF: 4443470.0/39

All: 42.296+/-0.004 χ^2/NDF: 8886615.6/80

- sign 41.571+/-0.006 χ^2/NDF: 4416627.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.1/23

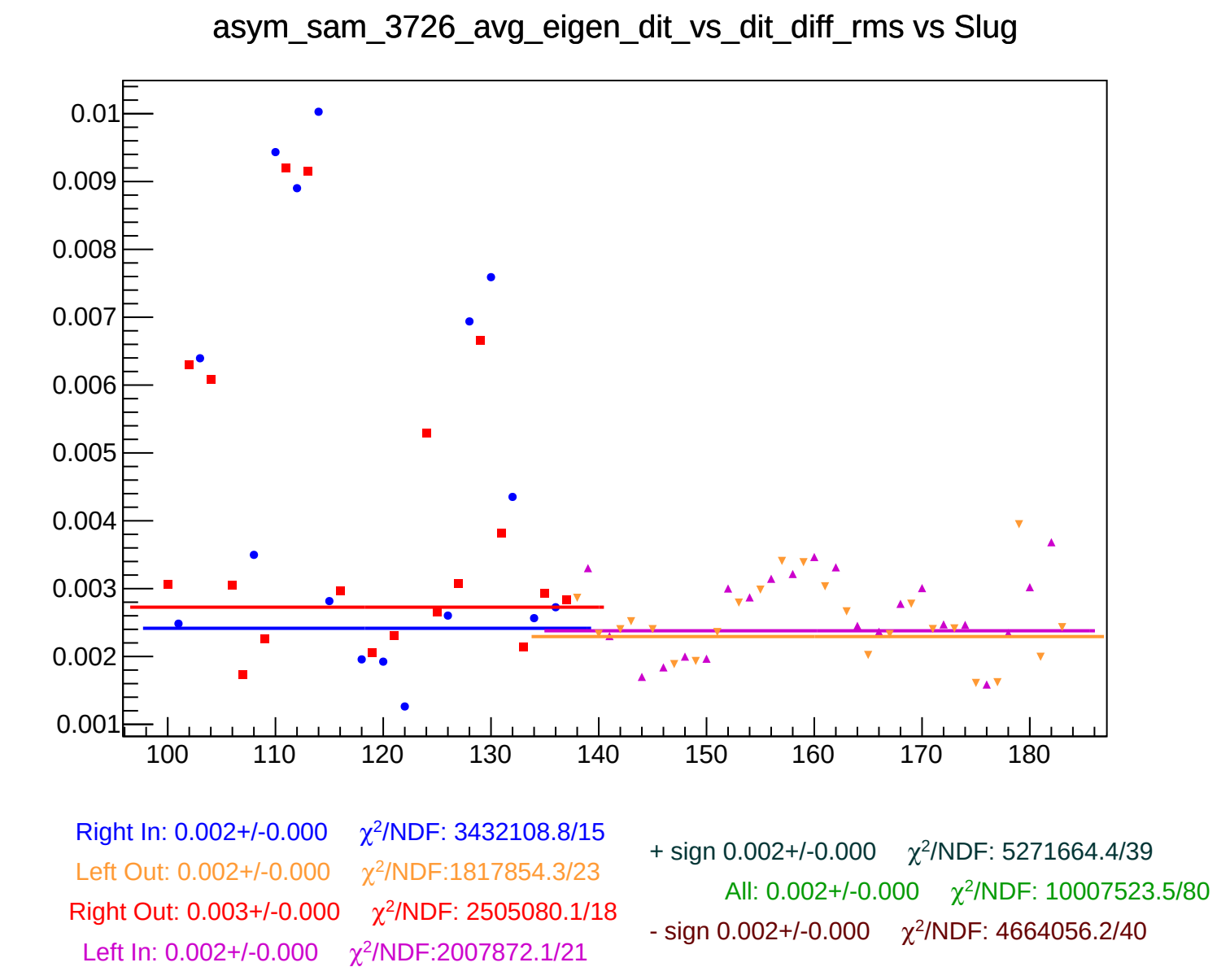
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

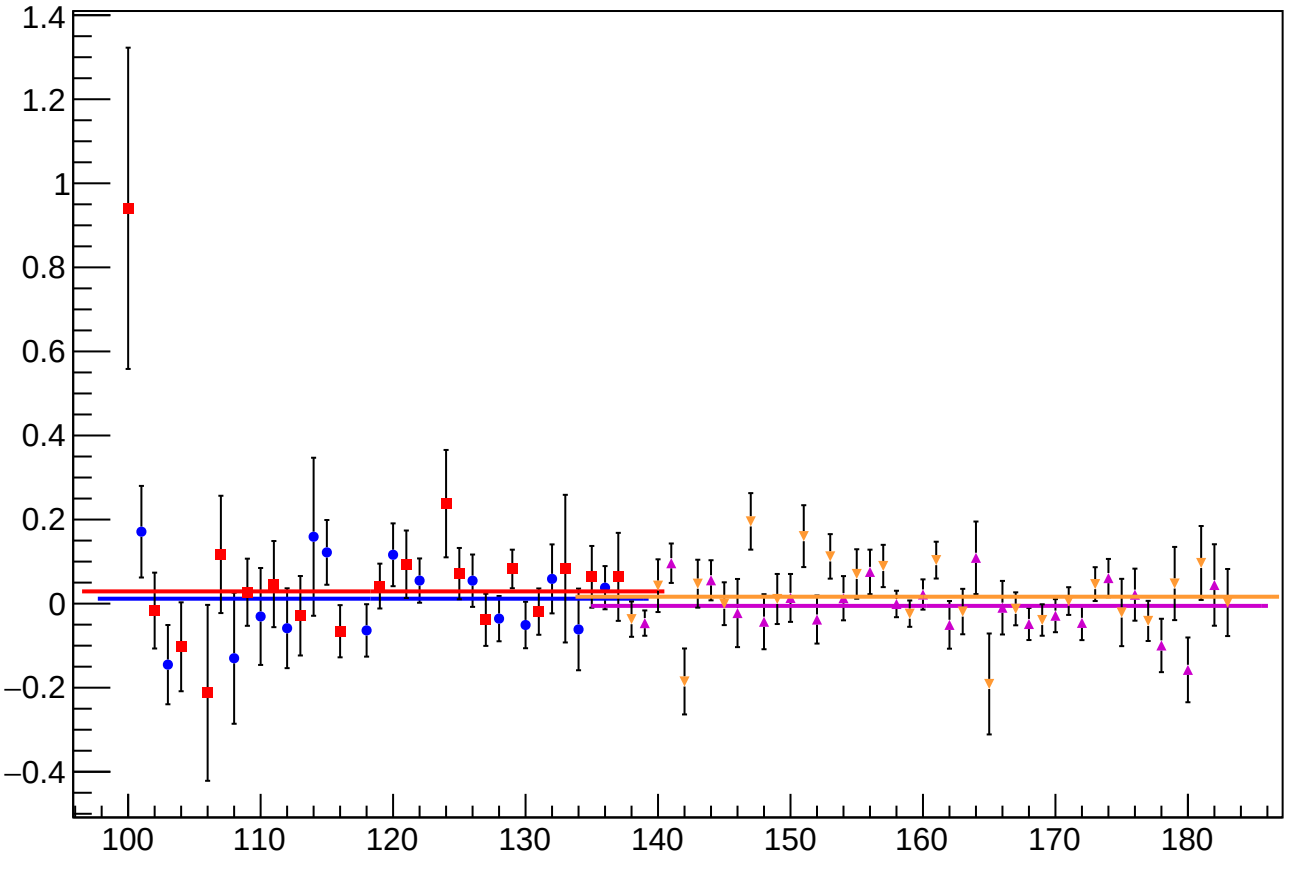
Left In: 0.000+/-0.000 χ^2/NDF:15.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 63.7/39

All: 0.000+/-0.000 χ^2/NDF: 94.5/80

- sign 0.000+/-0.000 χ^2/NDF: 30.8/40


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 3432108.8/15
Left Out: 0.002+/-0.000 χ²/NDF:1817854.3/23
Right Out: 0.003+/-0.000 χ²/NDF: 2505080.1/18
Left In: 0.002+/-0.000 χ²/NDF:2007872.1/21
+ sign 0.002+/-0.000 χ²/NDF: 5271664.4/39
All: 0.002+/-0.000 χ²/NDF: 10007523.5/80
- sign 0.002+/-0.000 χ²/NDF: 4664056.2/40



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/23

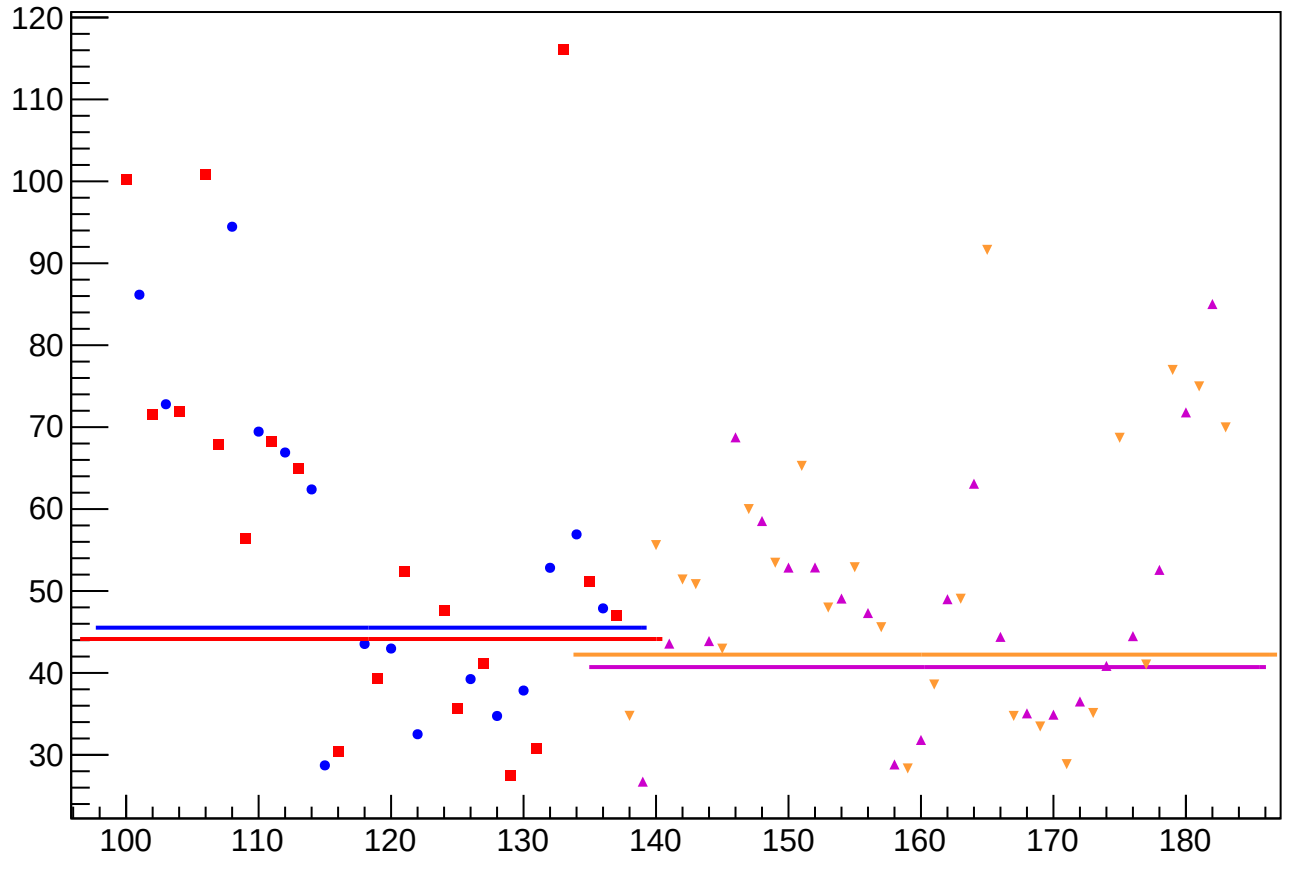
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.005+/-0.010 χ^2/NDF:25.7/21

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/39

All: 0.009+/-0.006 χ^2/NDF: 106.9/80

- sign 0.003+/-0.009 χ^2/NDF: 48.0/40



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140704.5/23

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

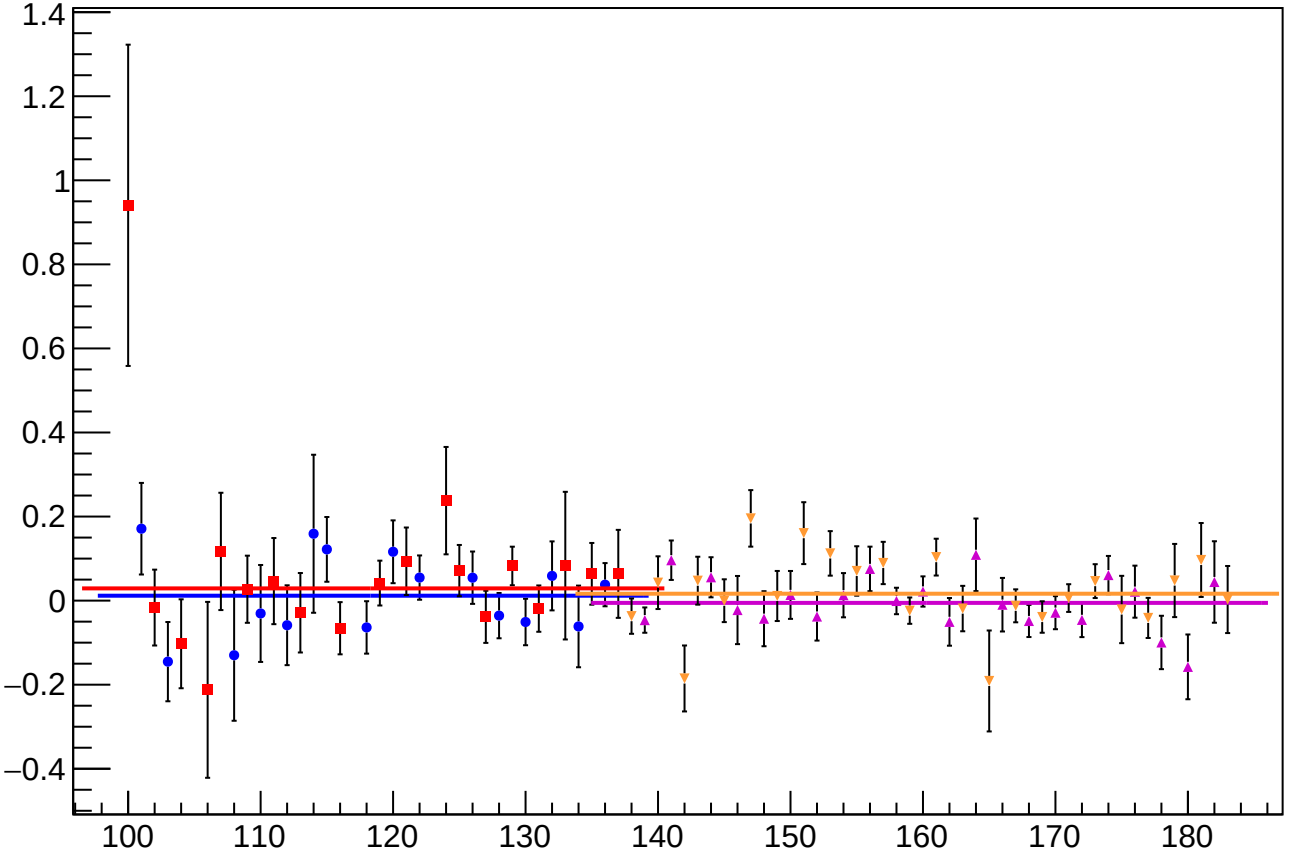
Left In: 40.715+/-0.007 χ^2/NDF:2618155.6/21

+ sign 43.035+/-0.006 χ^2/NDF: 4443440.0/39

All: 42.296+/-0.004 χ^2/NDF: 8886524.4/80

- sign 41.572+/-0.006 χ^2/NDF: 4416571.2/40

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/23

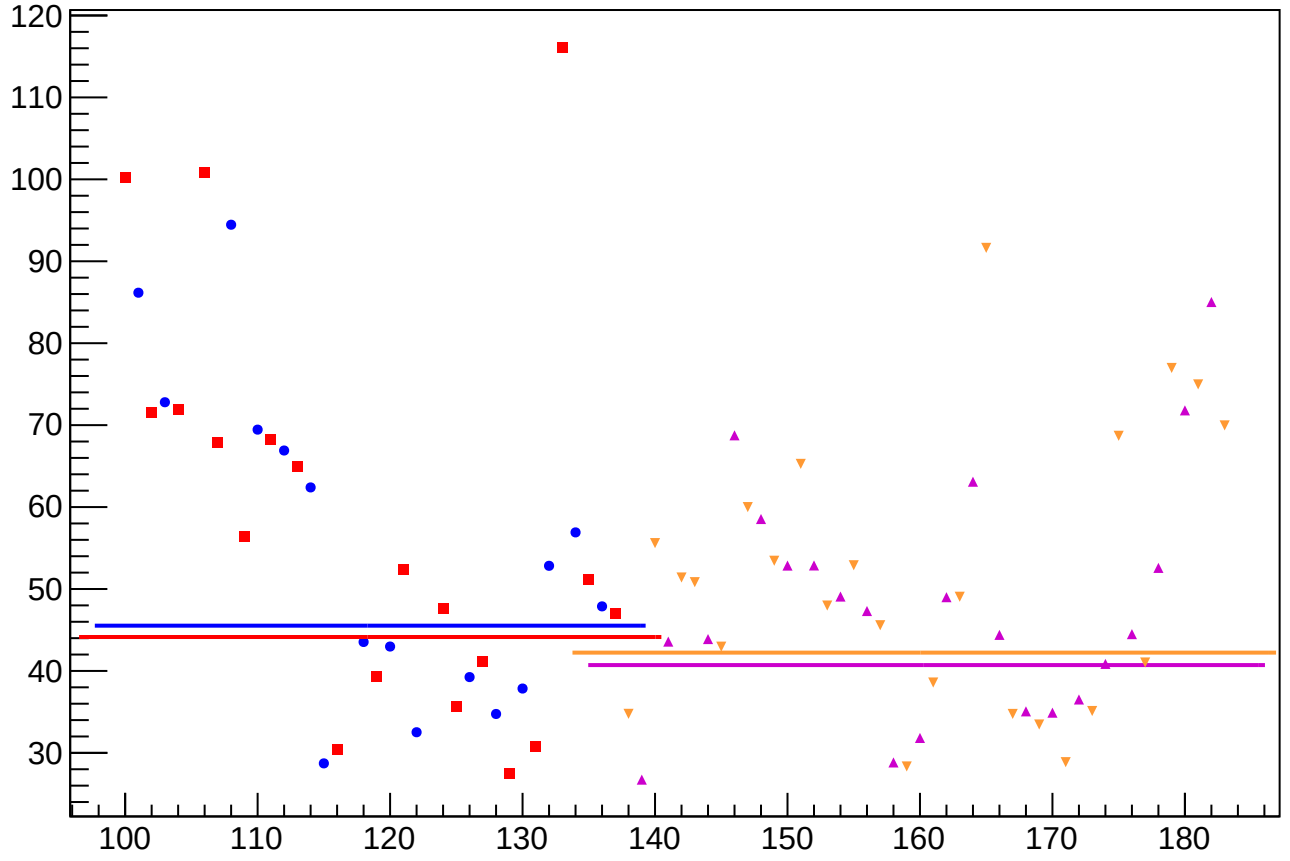
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.005+/-0.010 χ^2/NDF:25.7/21

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/39

All: 0.009+/-0.006 χ^2/NDF: 106.9/80

- sign 0.003+/-0.009 χ^2/NDF: 48.0/40



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140704.5/23

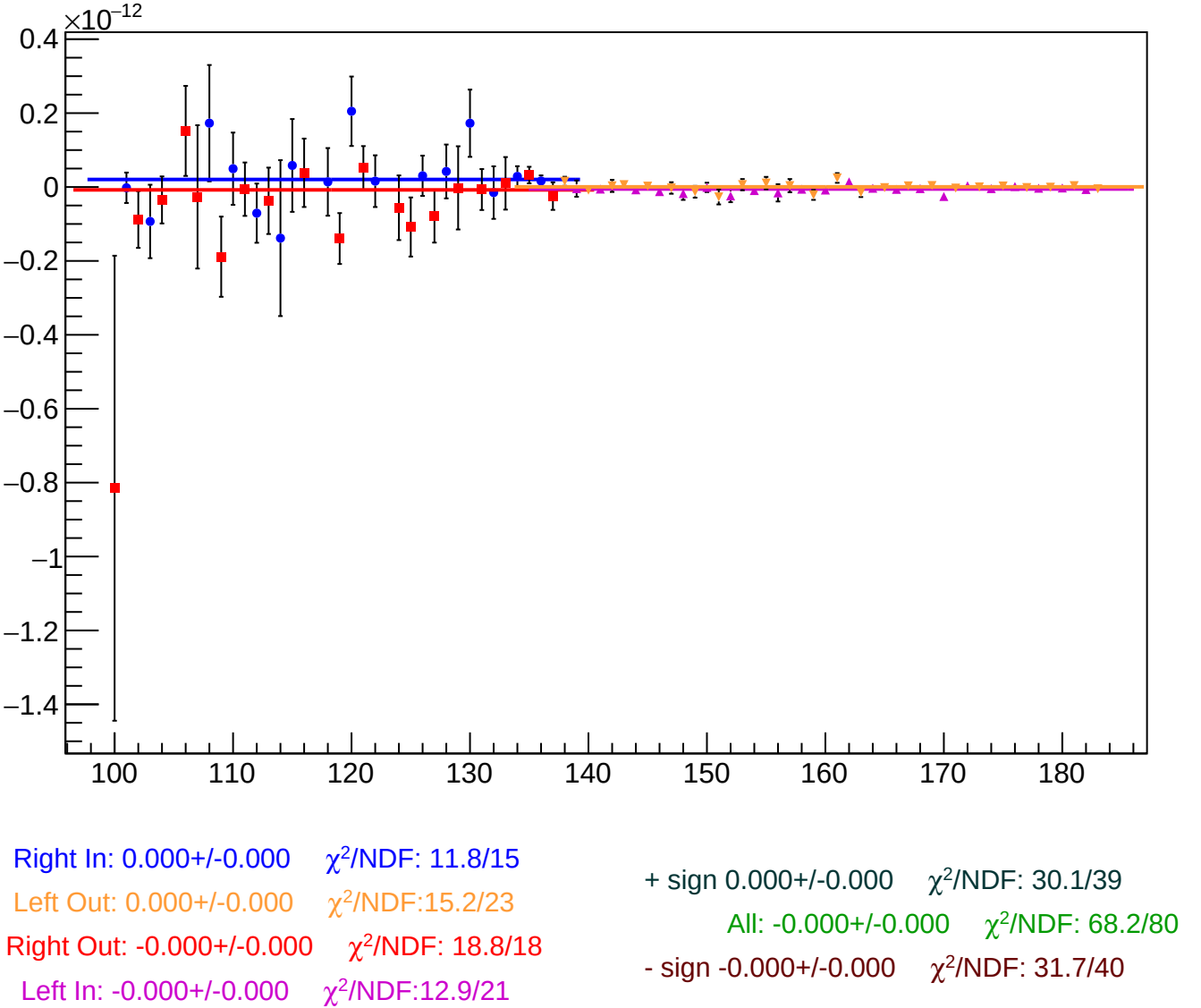
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

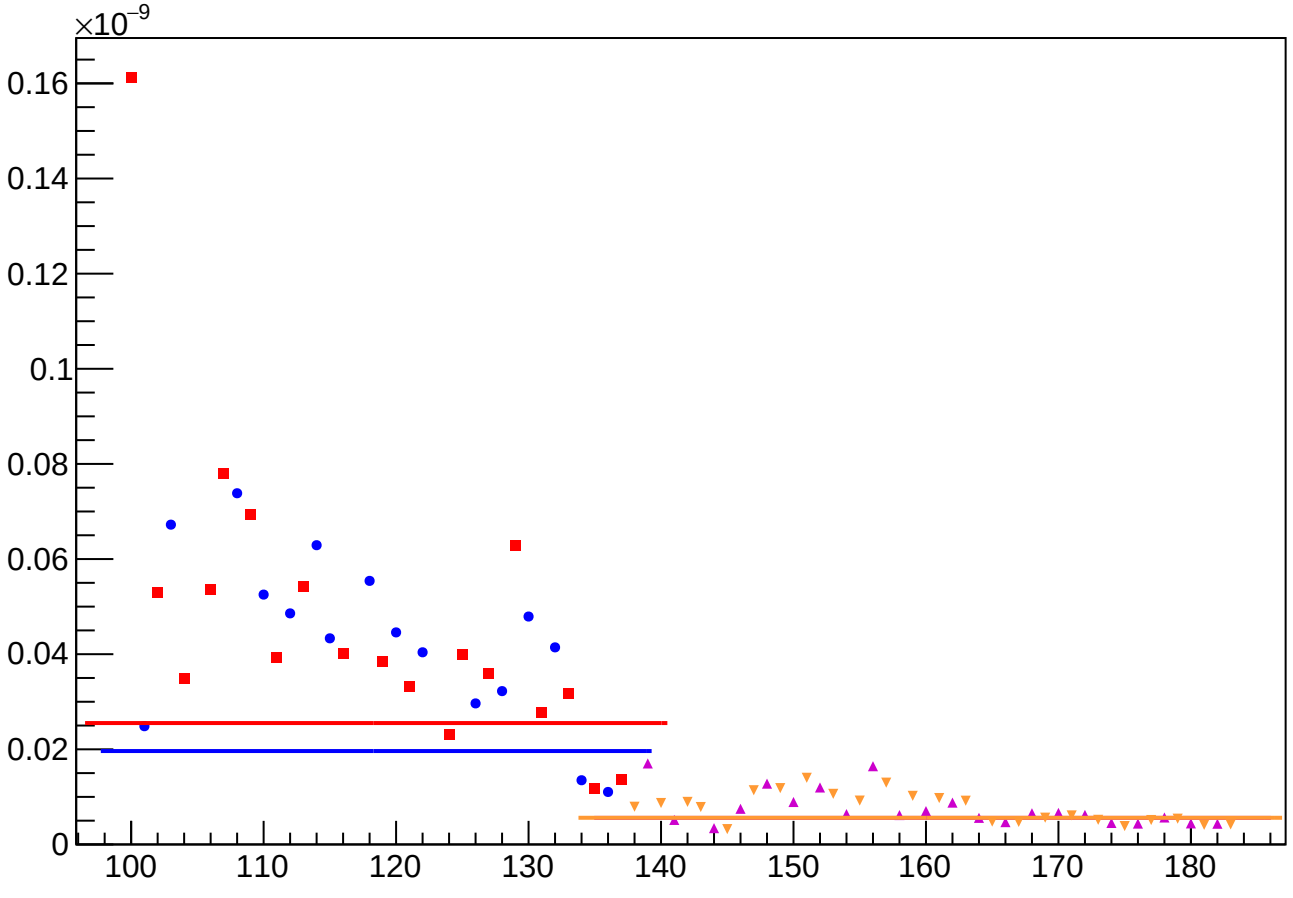
Left In: 40.715+/-0.007 χ^2/NDF:2618155.6/21

+ sign 43.035+/-0.006 χ^2/NDF: 4443440.0/39

All: 42.296+/-0.004 χ^2/NDF: 8886524.4/80

- sign 41.572+/-0.006 χ^2/NDF: 4416571.2/40


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:15.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/18
Left In: -0.000+/-0.000 χ²/NDF:12.9/21
+ sign 0.000+/-0.000 χ²/NDF: 30.1/39
All: -0.000+/-0.000 χ²/NDF: 68.2/80
- sign -0.000+/-0.000 χ²/NDF: 31.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3490683.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

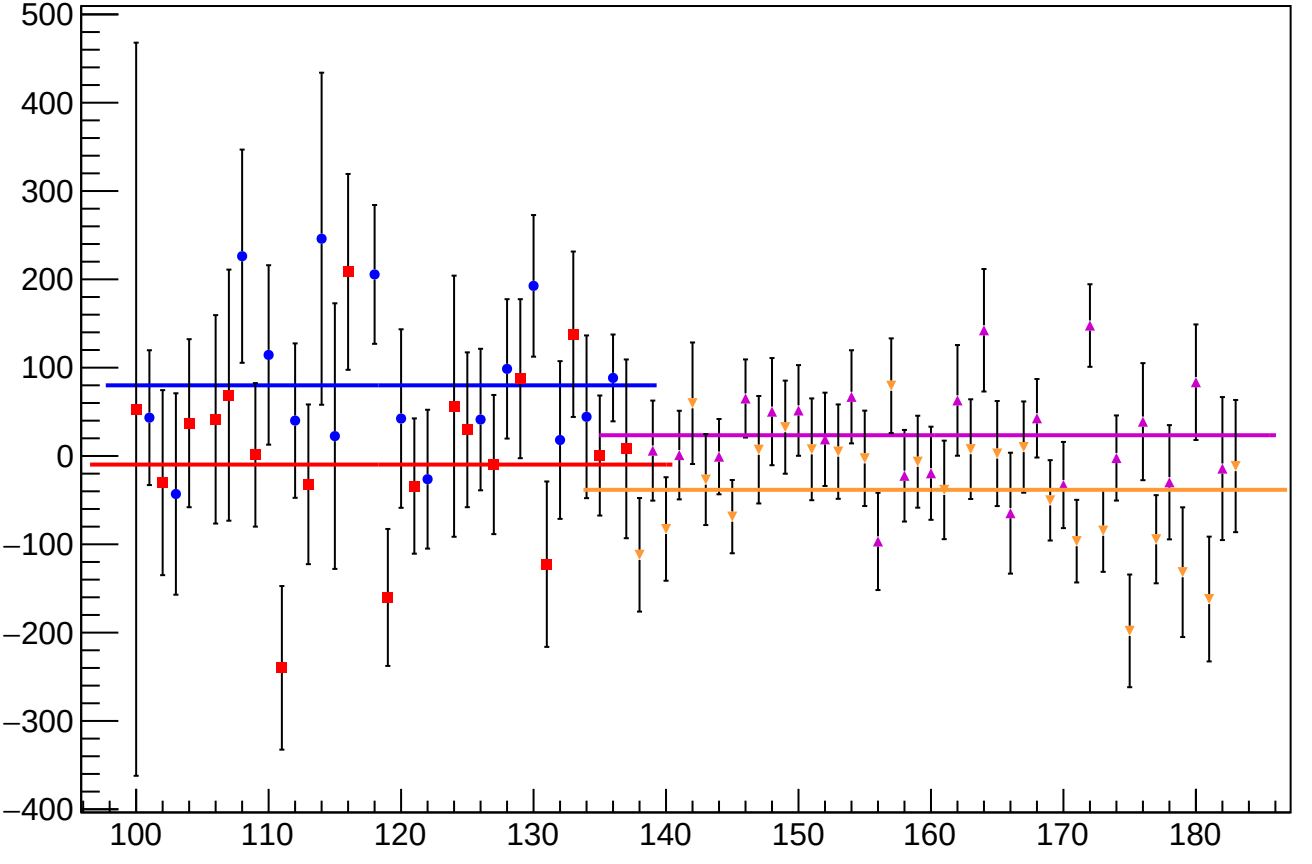
Left In: 0.000+/-0.000 χ^2/NDF:2672027.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 9803805.0/39

All: 0.000+/-0.000 χ^2/NDF: 19342933.6/80

- sign 0.000+/-0.000 χ^2/NDF: 9538940.2/40

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.311+/-11.216 χ^2/NDF:30.7/23

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

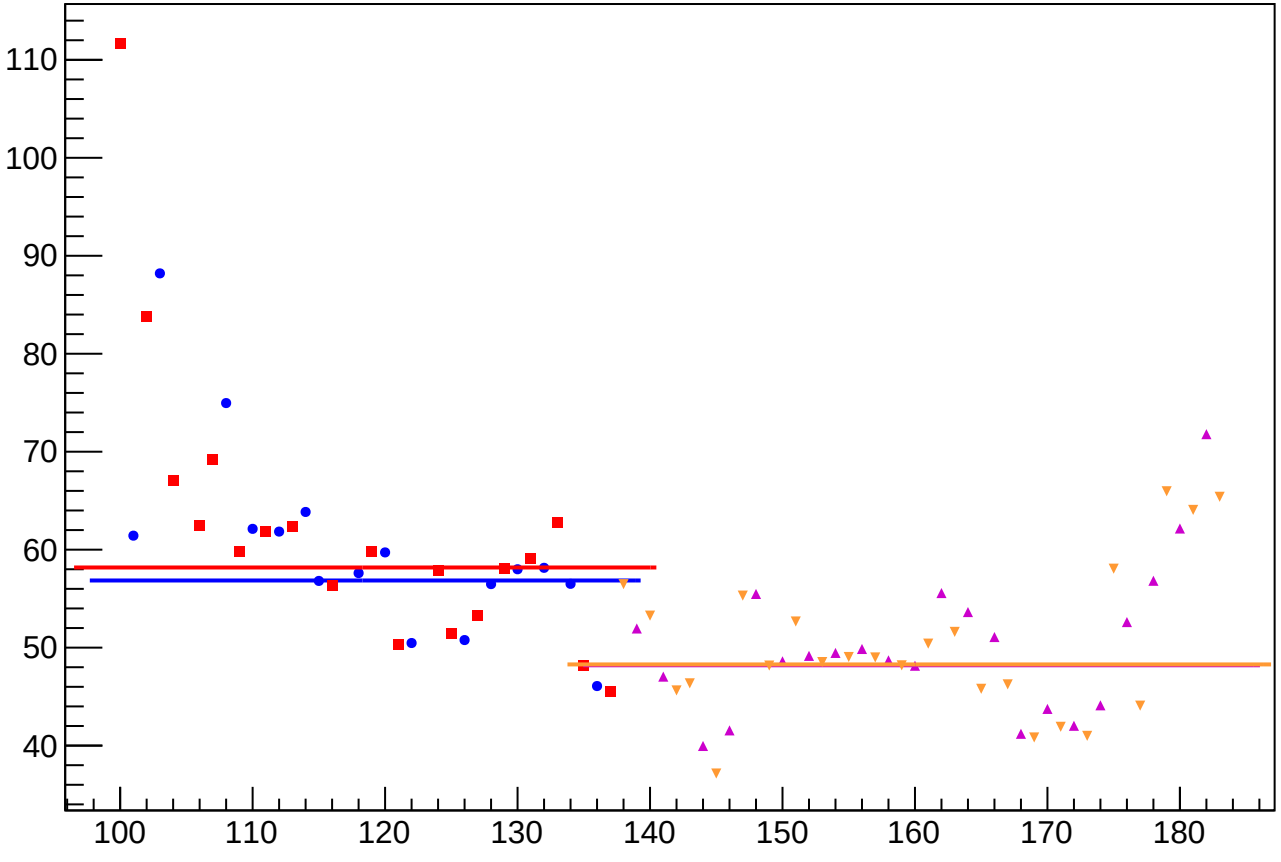
Left In: 23.500+/-11.513 χ^2/NDF:24.6/21

+ sign -12.955+/-9.942 χ^2/NDF: 66.1/39

All: 1.283+/-7.106 χ^2/NDF: 117.1/80

- sign 16.157+/-10.162 χ^2/NDF: 46.7/40

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.286+/-0.008 χ^2/NDF:773187.8/23

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

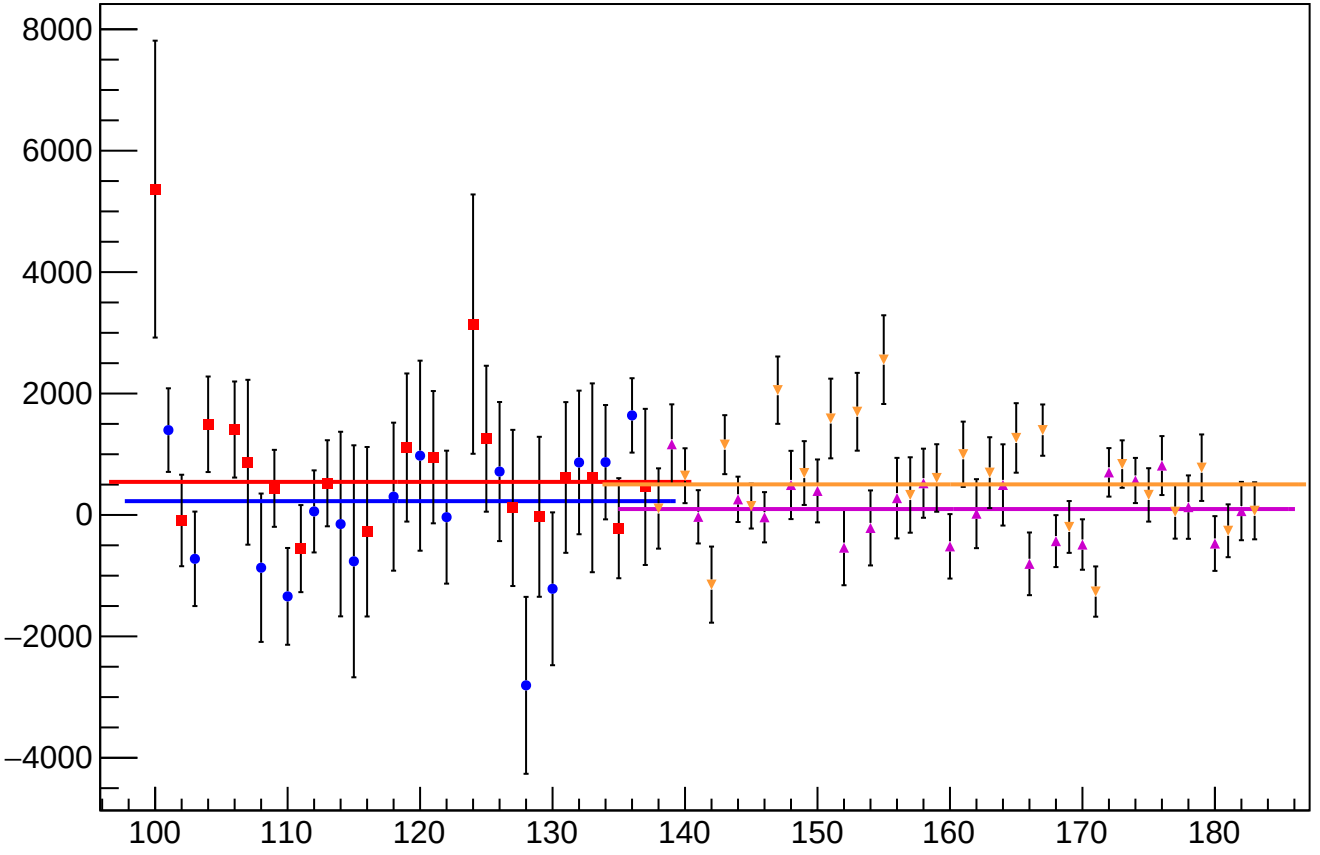
Left In: 48.198+/-0.008 χ^2/NDF:626741.5/21

+ sign 50.122+/-0.007 χ^2/NDF: 1364949.9/39

All: 50.260+/-0.005 χ^2/NDF: 2639425.4/80

- sign 50.404+/-0.007 χ^2/NDF: 1273689.1/40

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 503.841+/-101.569 χ^2/NDF:66.6/23

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

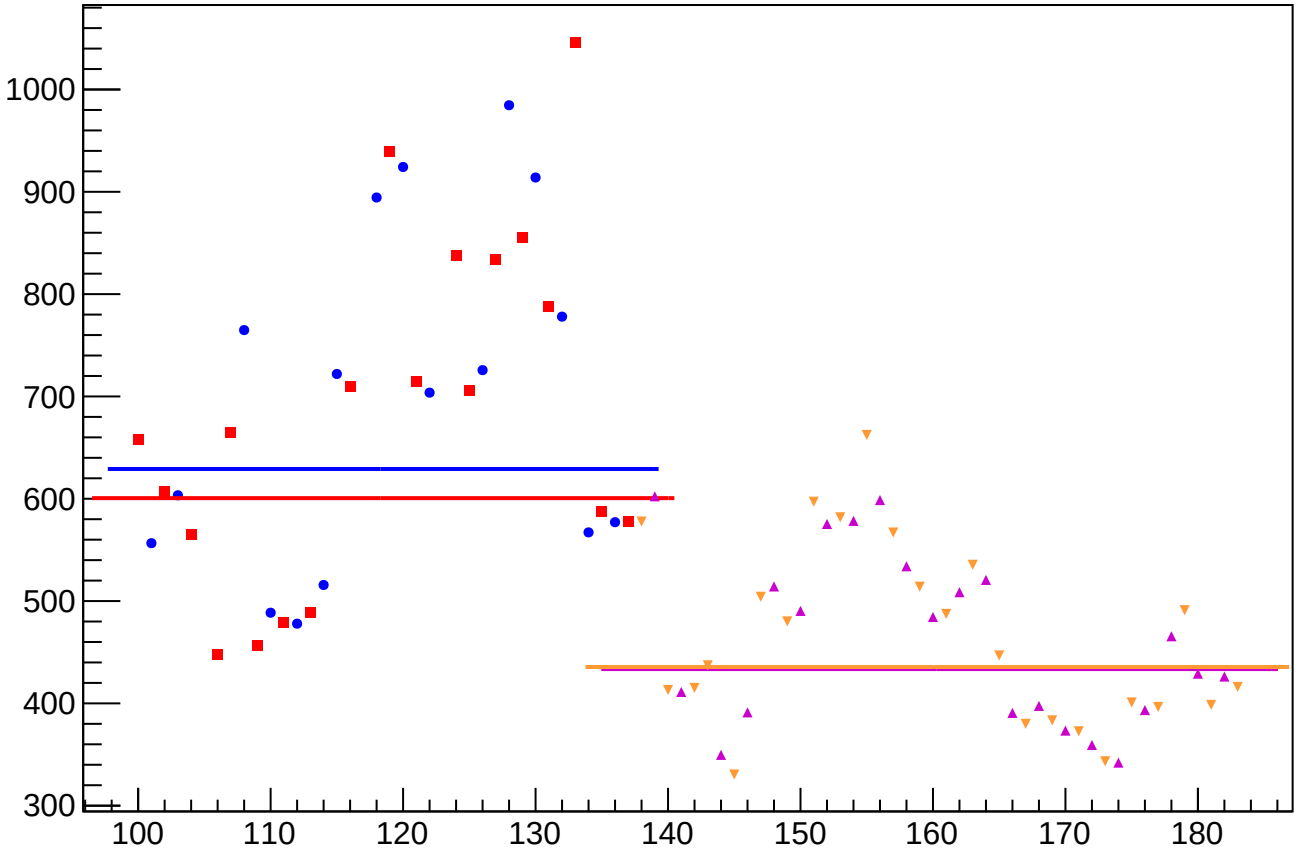
Left In: 97.439+/-103.959 χ^2/NDF:21.7/21

+ sign 462.229+/-93.609 χ^2/NDF: 89.3/39

All: 319.959+/-66.517 χ^2/NDF: 132.3/80

- sign 174.857+/-94.536 χ^2/NDF: 38.3/40

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 435.534+/-0.072 χ^2/NDF:1219750.8/23

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

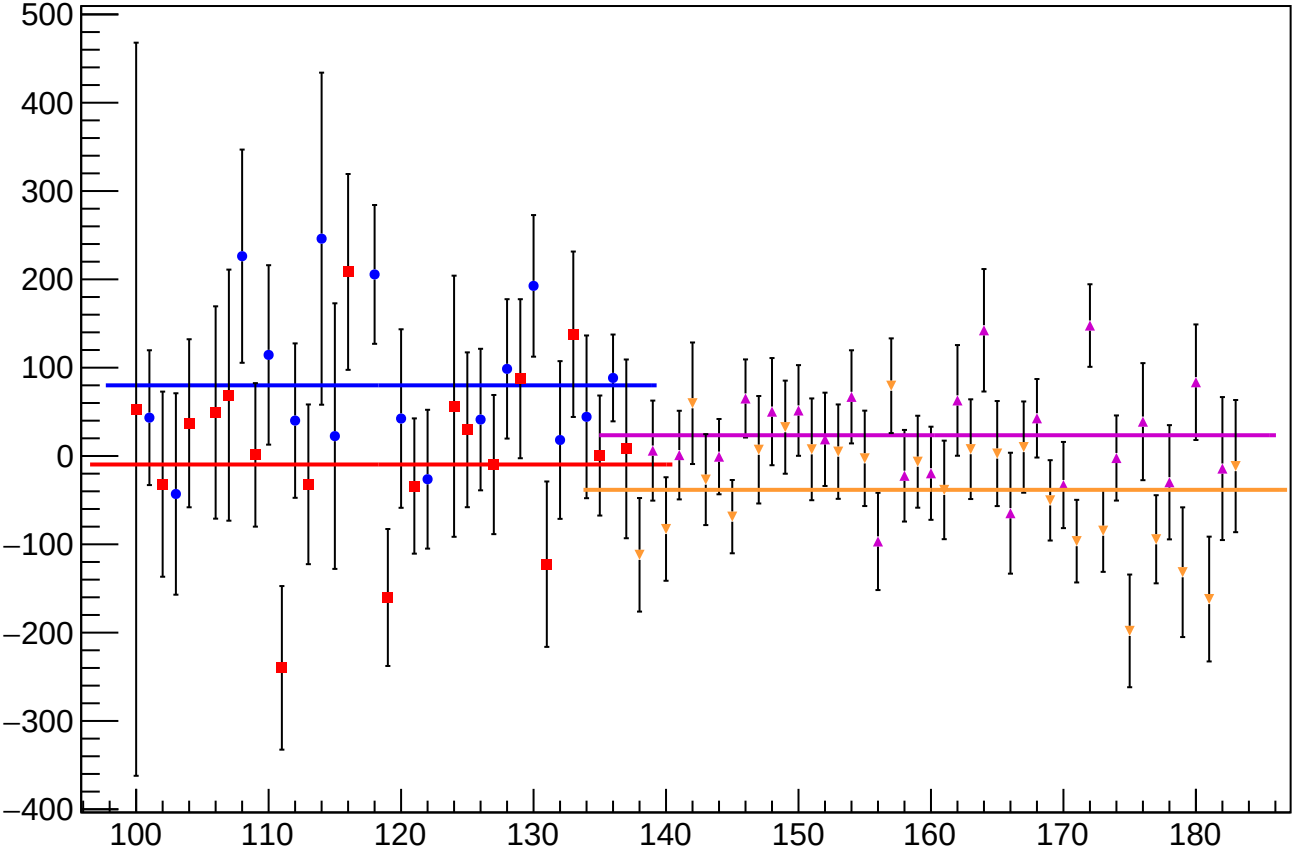
Left In: 433.532+/-0.074 χ^2/NDF:1094370.4/21

\+ sign 464.682+/-0.066 χ^2/NDF: 3006285.4/39

All: 463.575+/-0.047 χ^2/NDF: 5869699.5/80

\- sign 462.445+/-0.067 χ^2/NDF: 2862848.4/40

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.315+/-11.216 χ^2/NDF:30.7/23

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

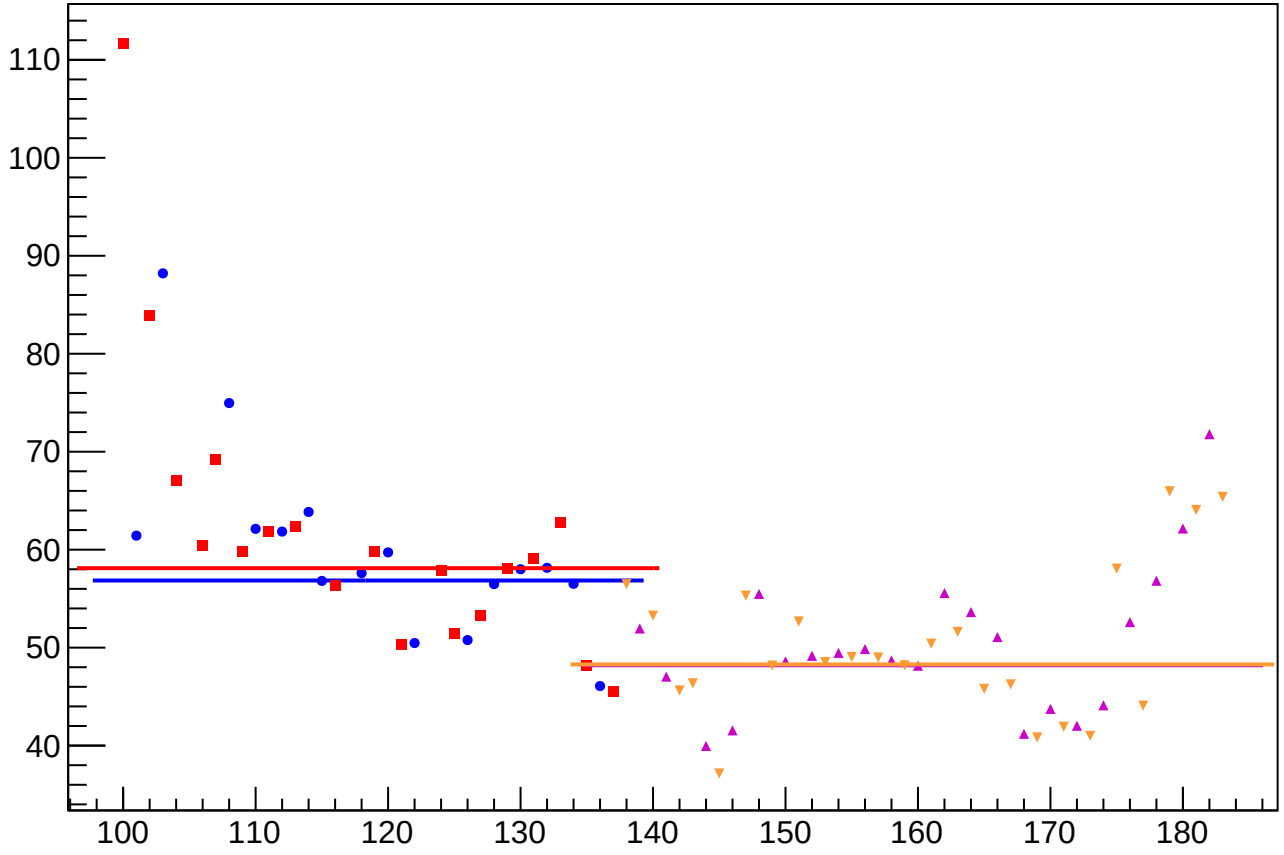
Left In: 23.502+/-11.513 χ^2/NDF:24.6/21

\+ sign -12.957+/-9.942 χ^2/NDF: 66.2/39

All: 1.296+/-7.107 χ^2/NDF: 117.1/80

\- sign 16.190+/-10.163 χ^2/NDF: 46.8/40

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.286+/-0.008 χ^2/NDF:773187.8/23

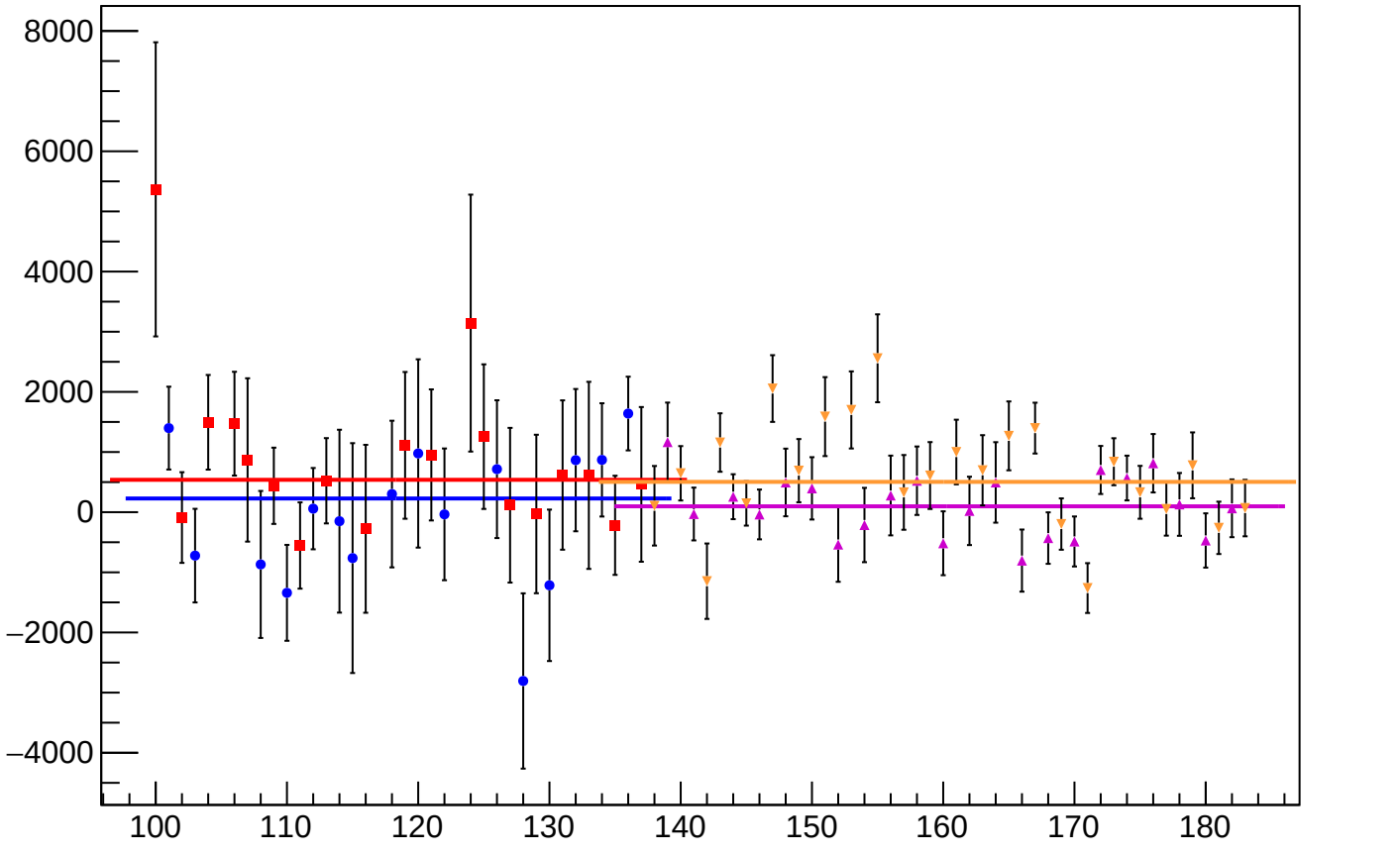
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.198+/-0.008 χ^2/NDF:626741.5/21

+ sign 50.122+/-0.007 χ^2/NDF: 1364954.0/39

All: 50.252+/-0.005 χ^2/NDF: 2632599.3/80

- sign 50.387+/-0.007 χ^2/NDF: 1266955.1/40



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 503.838+/-101.569 χ^2/NDF:66.6/23

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

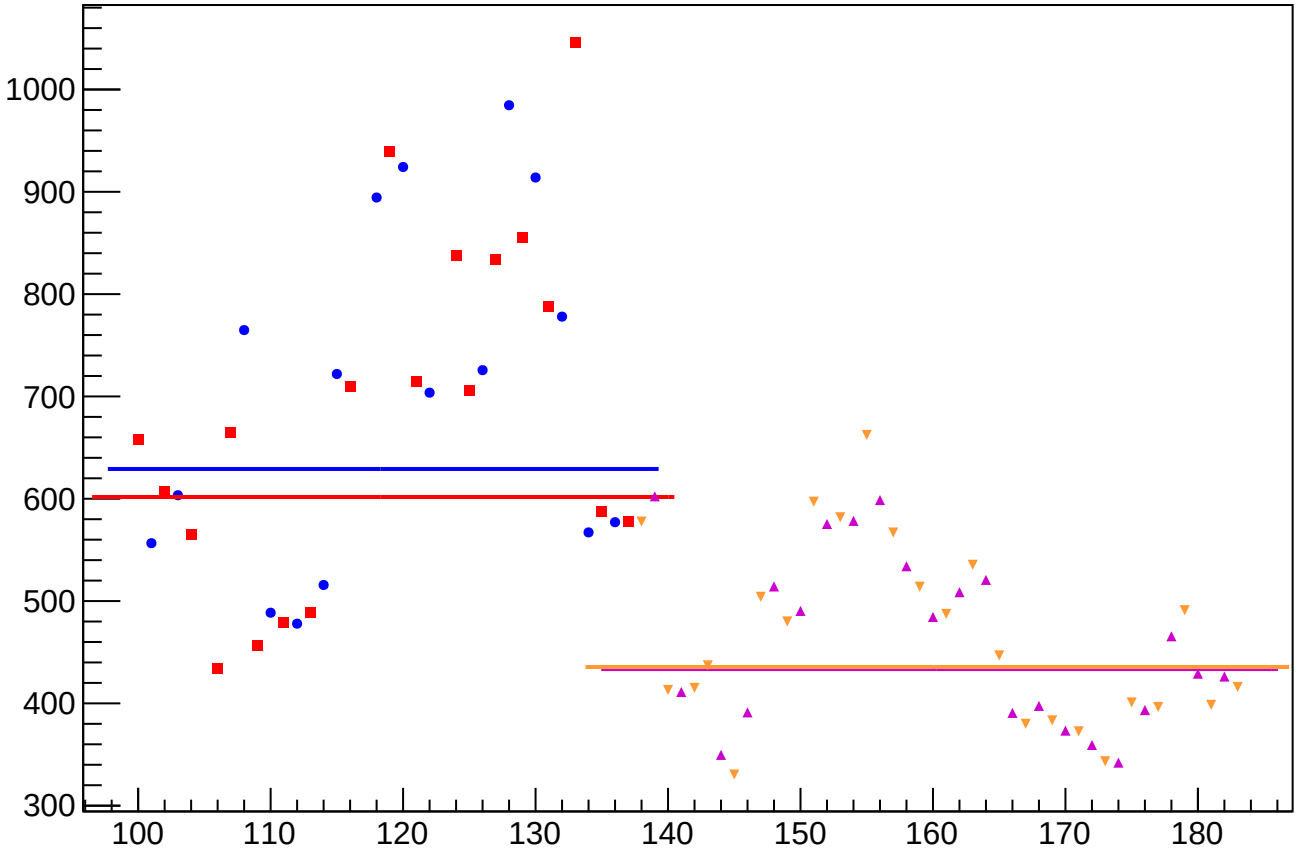
Left In: 97.443+/-103.959 χ^2/NDF:21.7/21

+ sign 462.232+/-93.609 χ^2/NDF: 89.3/39

All: 319.145+/-66.555 χ^2/NDF: 132.2/80

- sign 172.877+/-94.644 χ^2/NDF: 38.1/40

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 435.534+/-0.072 χ^2/NDF:1219749.9/23

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

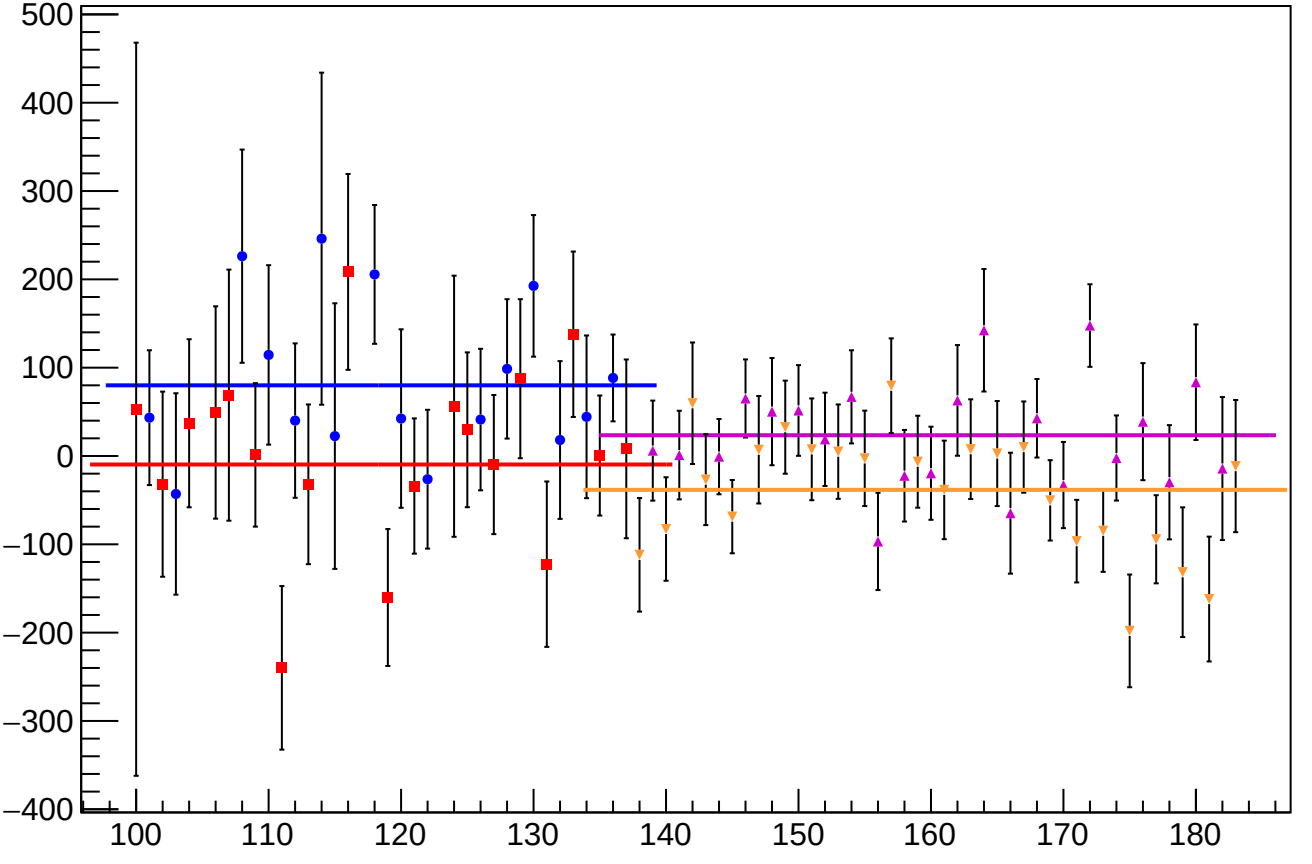
Left In: 433.532+/-0.074 χ^2/NDF:1094370.2/21

+ sign 464.683+/-0.066 χ^2/NDF: 3006317.5/39

All: 463.515+/-0.047 χ^2/NDF: 5871435.7/80

- sign 462.322+/-0.067 χ^2/NDF: 2864489.4/40

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -38.315+/-11.216 χ^2/NDF:30.7/23

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

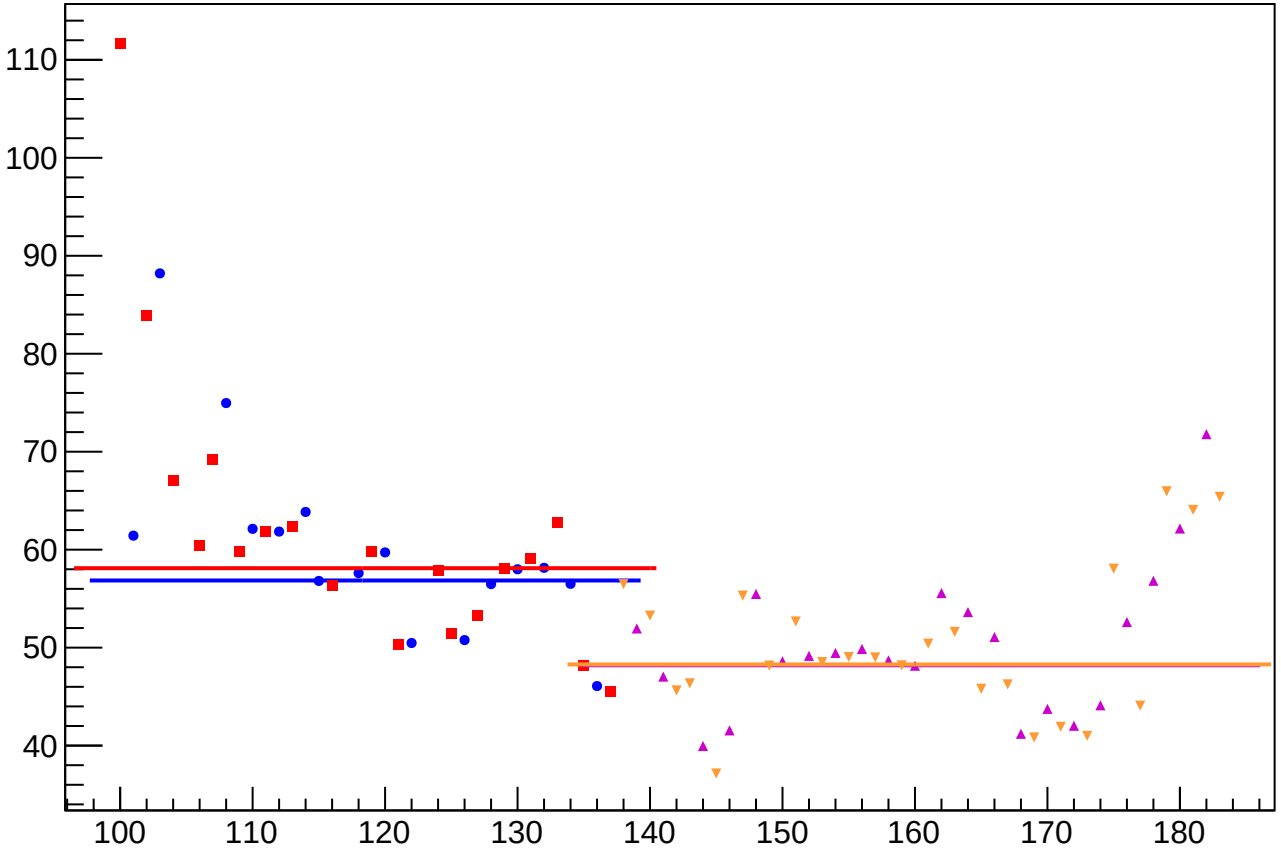
Left In: 23.502+/-11.513 χ^2/NDF:24.6/21

+ sign -12.957+/-9.942 χ^2/NDF: 66.2/39

All: 1.296+/-7.107 χ^2/NDF: 117.1/80

- sign 16.190+/-10.163 χ^2/NDF: 46.8/40

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.286+/-0.008 χ^2/NDF:773187.8/23

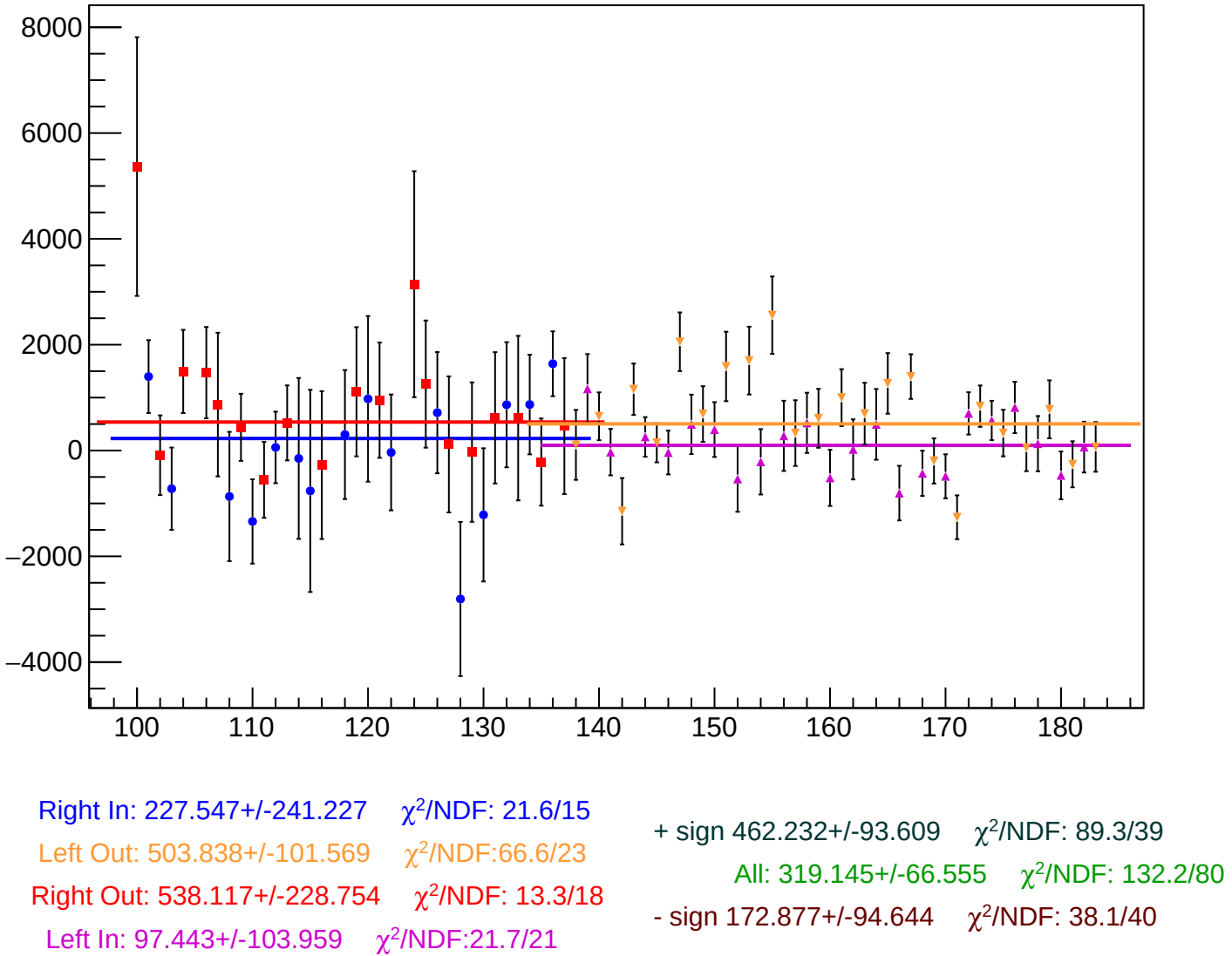
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

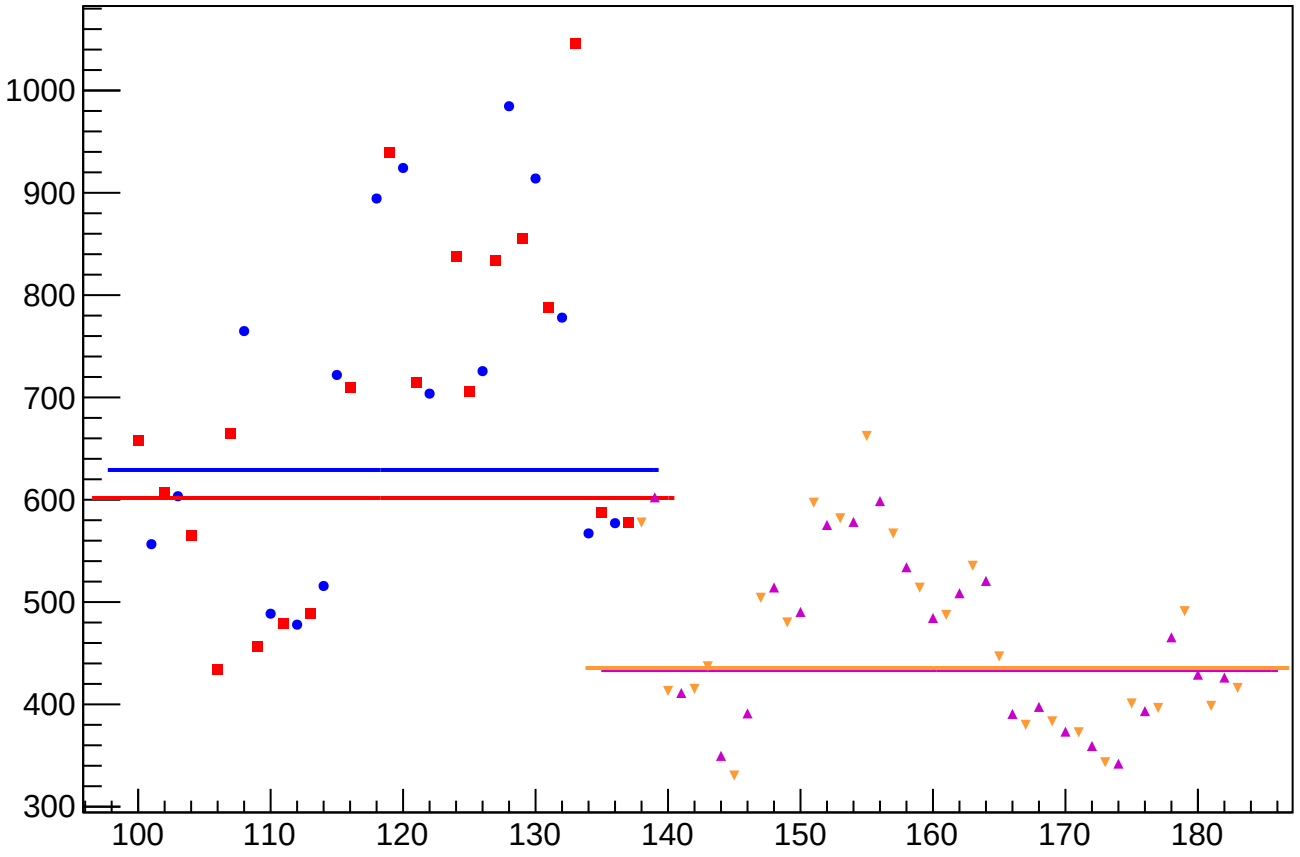
Left In: 48.198+/-0.008 χ^2/NDF:626741.5/21

+ sign 50.122+/-0.007 χ^2/NDF: 1364954.0/39

All: 50.252+/-0.005 χ^2/NDF: 2632599.3/80

- sign 50.387+/-0.007 χ^2/NDF: 1266955.1/40


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 503.838+/-101.569 χ²/NDF:66.6/23
Right Out: 538.117+/-228.754 χ²/NDF: 13.3/18
Left In: 97.443+/-103.959 χ²/NDF:21.7/21
+ sign 462.232+/-93.609 χ²/NDF: 89.3/39
All: 319.145+/-66.555 χ²/NDF: 132.2/80
- sign 172.877+/-94.644 χ²/NDF: 38.1/40



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 435.534+/-0.072 χ^2/NDF:1219749.9/23

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

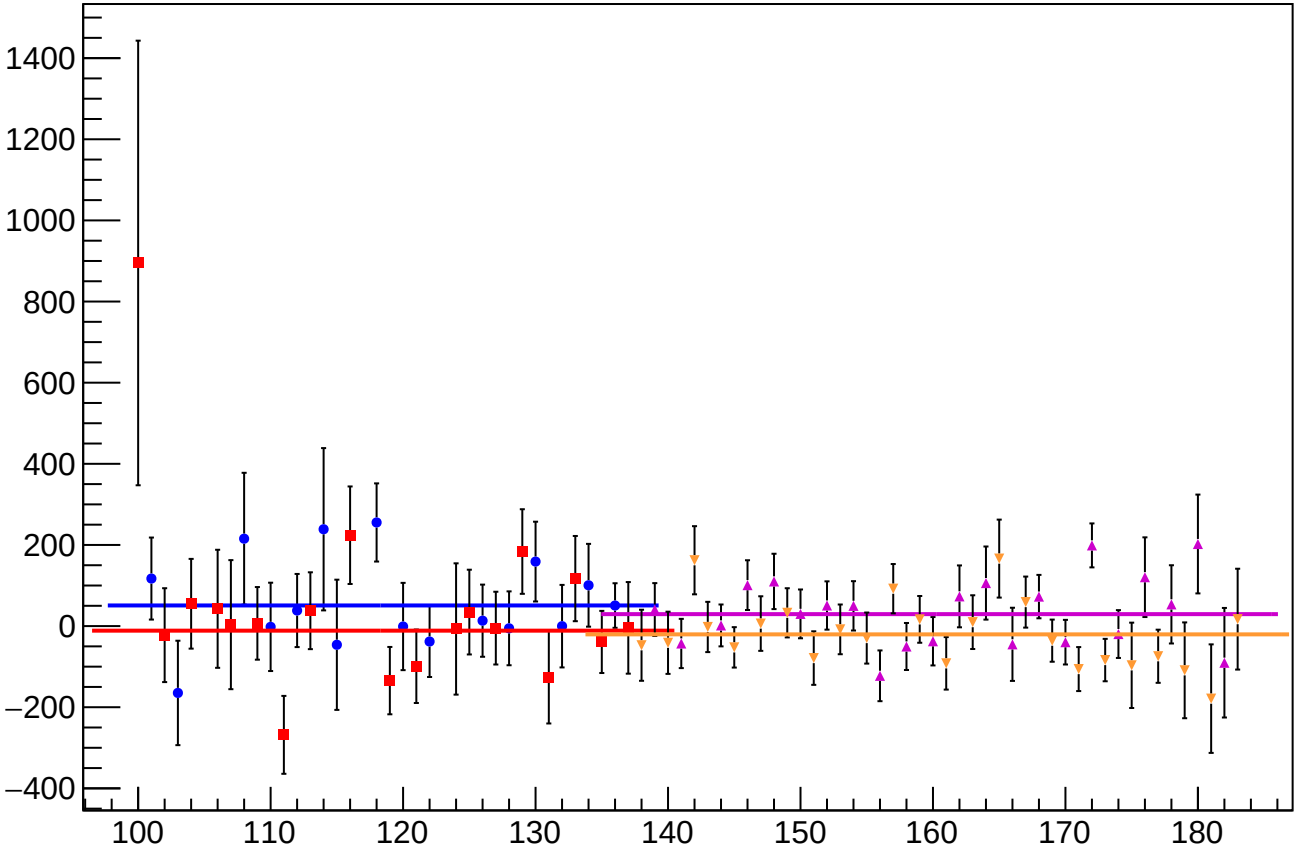
Left In: 433.532+/-0.074 χ^2/NDF:1094370.2/21

+ sign 464.683+/-0.066 χ^2/NDF: 3006317.5/39

All: 463.515+/-0.047 χ^2/NDF: 5871435.7/80

- sign 462.322+/-0.067 χ^2/NDF: 2864489.4/40

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.411+/-13.685 χ^2/NDF:25.1/23

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

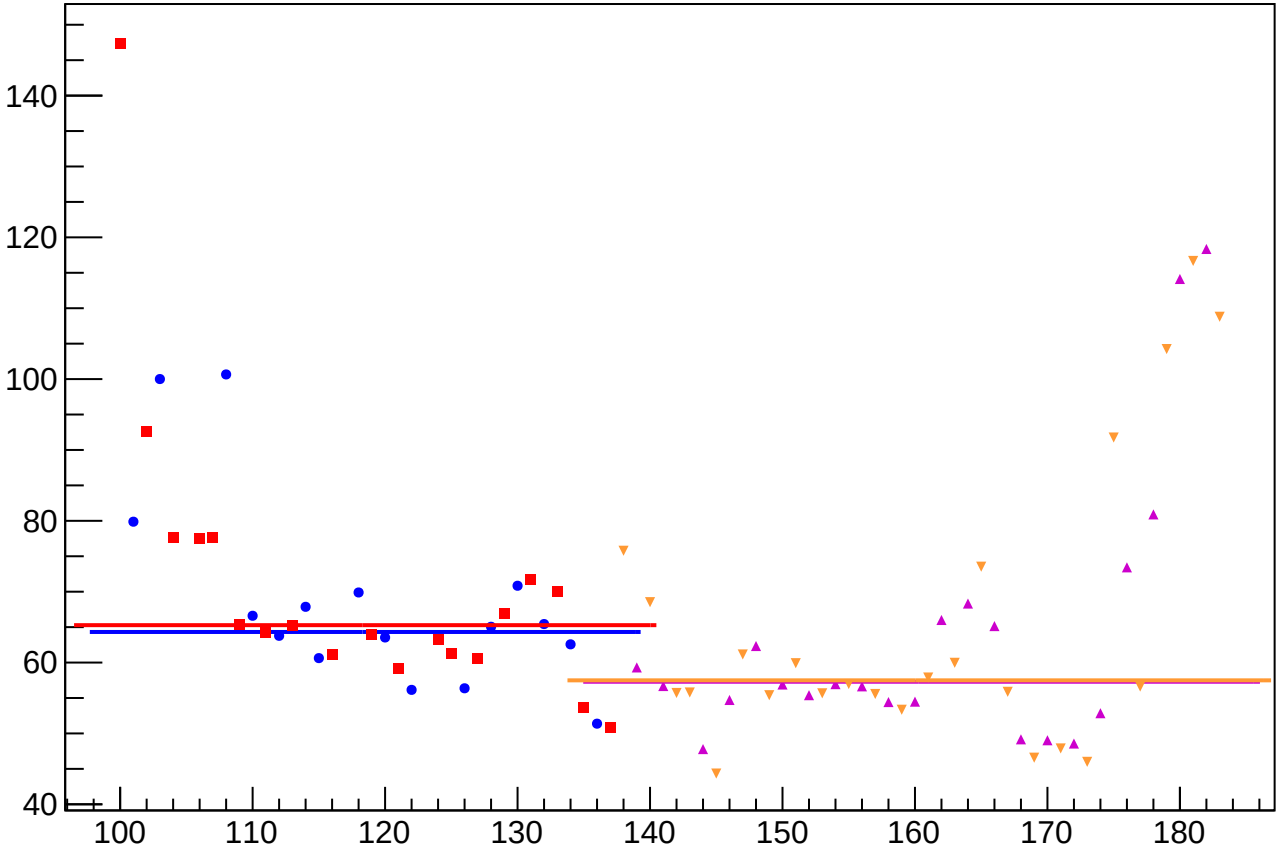
Left In: 29.463+/-14.020 χ^2/NDF:32.0/21

+ sign -3.455+/-11.946 χ^2/NDF: 45.4/39

All: 7.736+/-8.517 χ^2/NDF: 105.2/80

- sign 19.307+/-12.147 χ^2/NDF: 58.1/40

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 57.490+/-0.010 χ^2/NDF:1861745.8/23

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

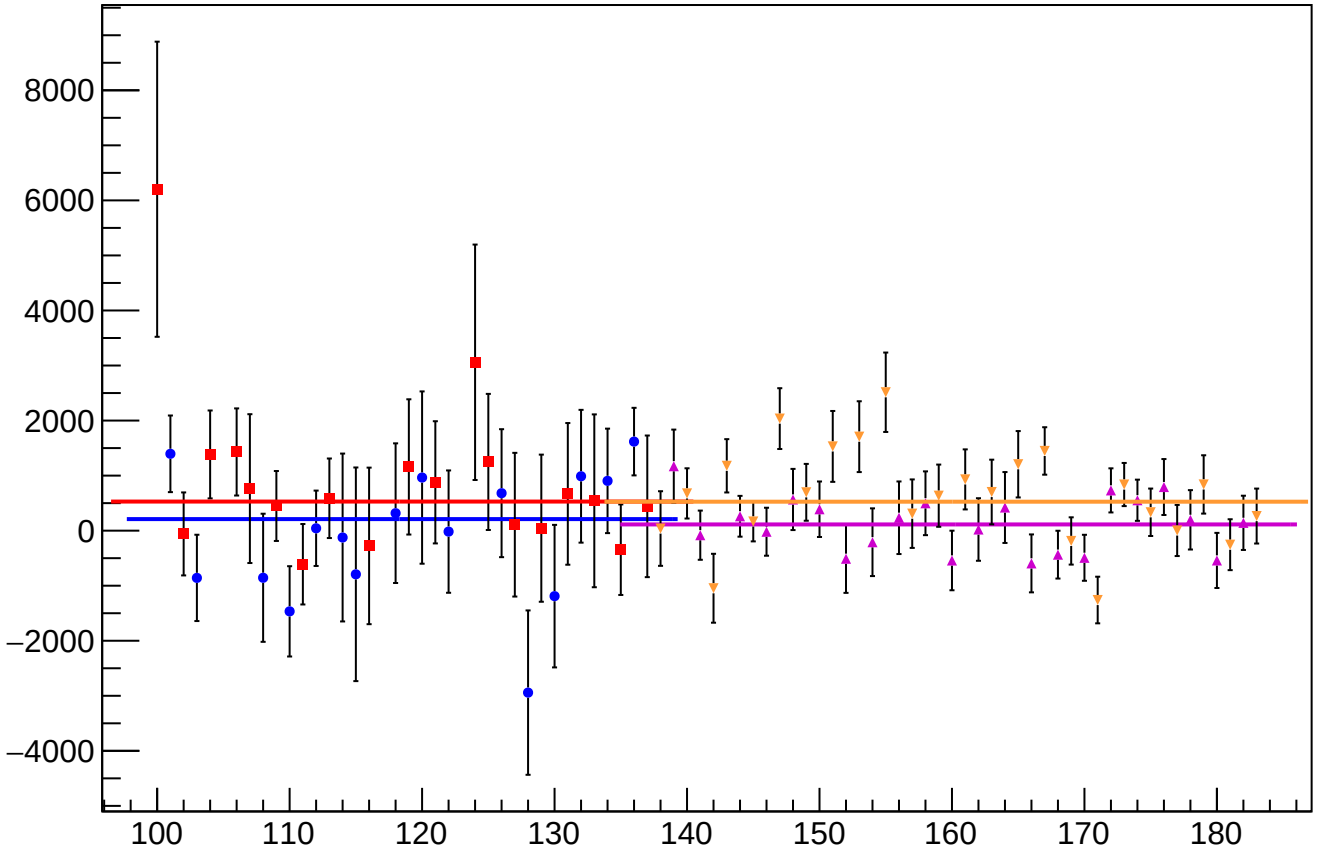
Left In: 57.294+/-0.010 χ^2/NDF:1340291.9/21

+ sign 59.114+/-0.008 χ^2/NDF: 2445106.8/39

All: 59.198+/-0.006 χ^2/NDF: 4266438.4/80

- sign 59.285+/-0.009 χ^2/NDF: 1821130.8/40

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 526.188+/-102.533 χ^2/NDF:63.5/23

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

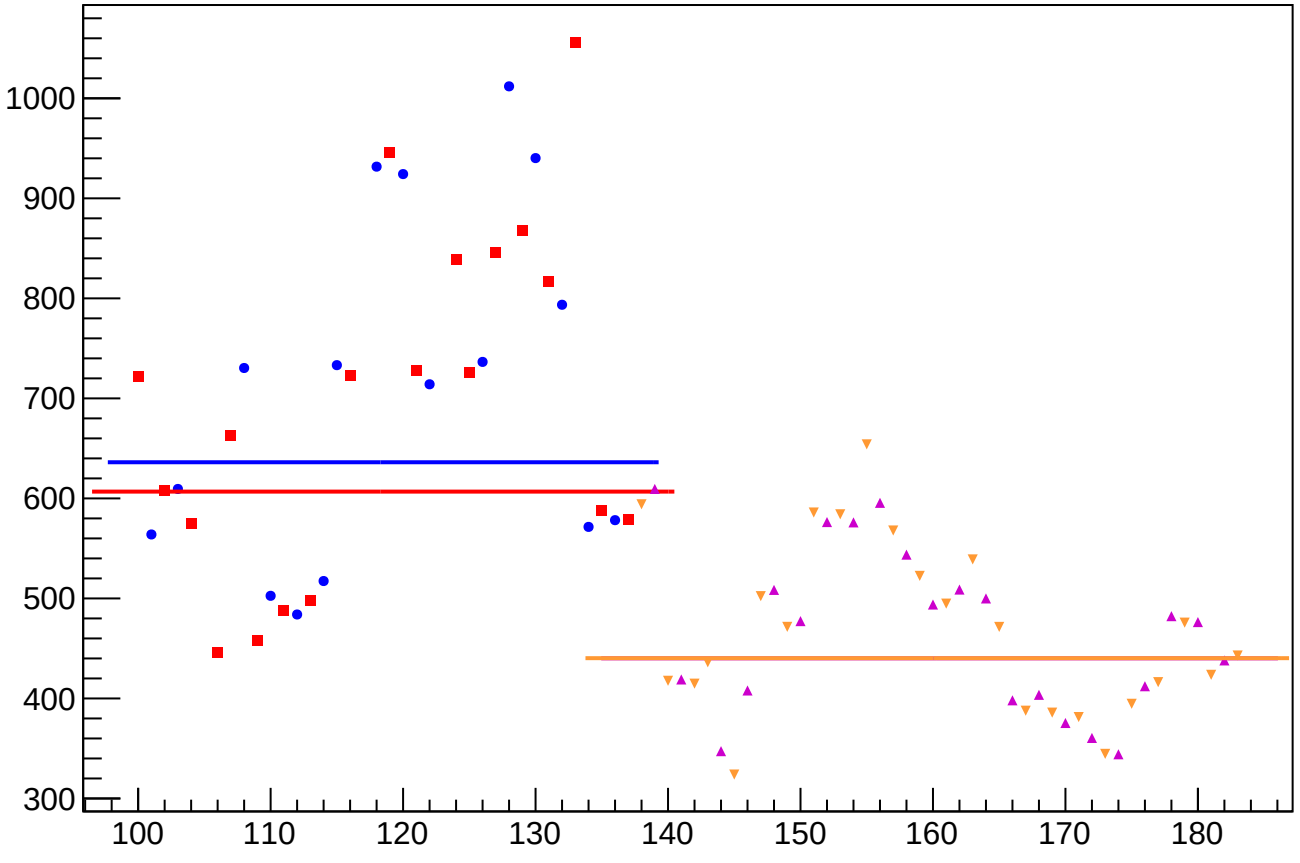
Left In: 113.133+/-105.482 χ^2/NDF:20.2/21

\+ sign 478.671+/-94.514 χ^2/NDF: 87.4/39

All: 334.158+/-67.301 χ^2/NDF: 128.8/80

\- sign 185.512+/-95.856 χ^2/NDF: 36.7/40

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 440.268+/-0.073 χ^2/NDF:1196504.2/23

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

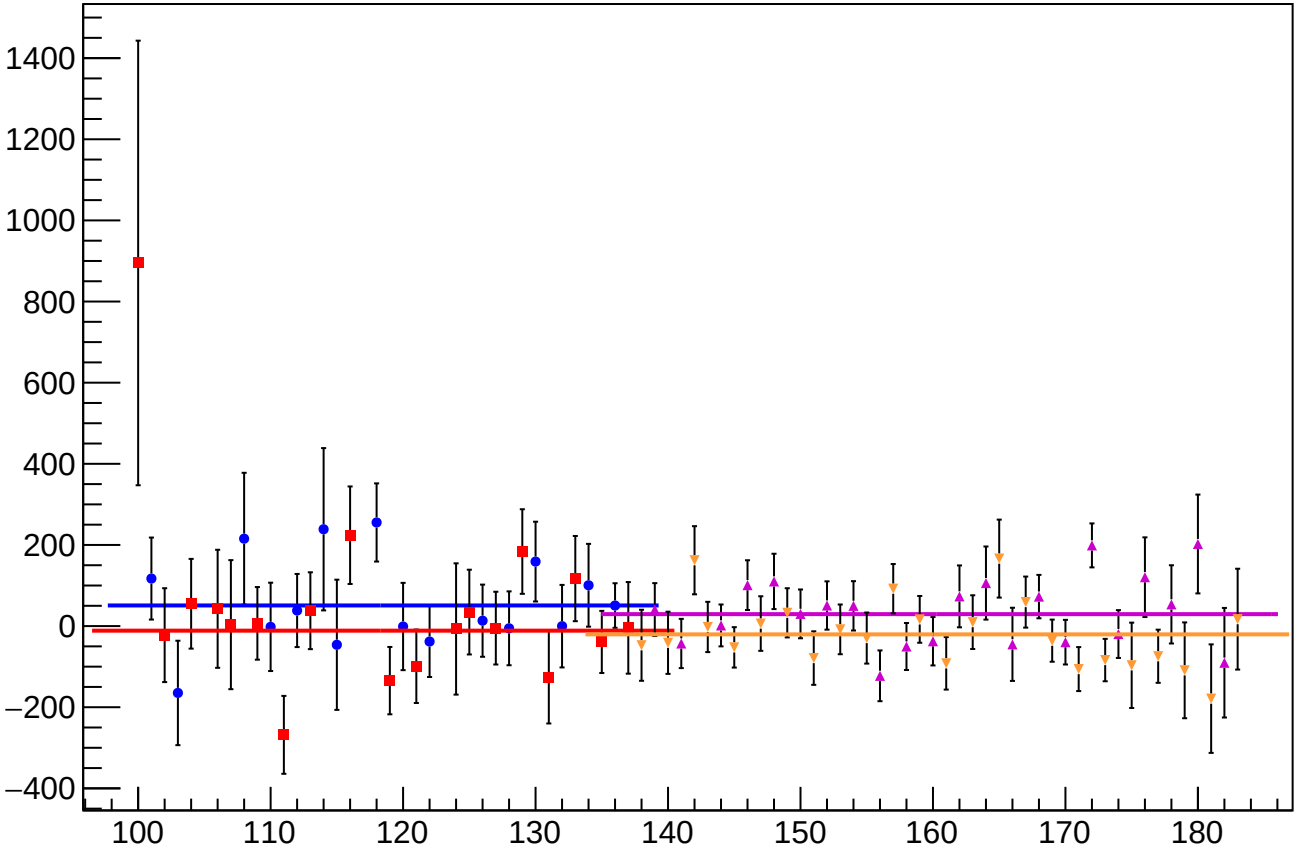
Left In: 440.094+/-0.075 χ^2/NDF:1061433.0/21

+ sign 469.707+/-0.067 χ^2/NDF: 2998734.9/39

All: 469.423+/-0.048 χ^2/NDF: 5824226.1/80

- sign 469.132+/-0.068 χ^2/NDF: 2825454.7/40

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -20.412+/-13.685 χ^2/NDF:25.1/23

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

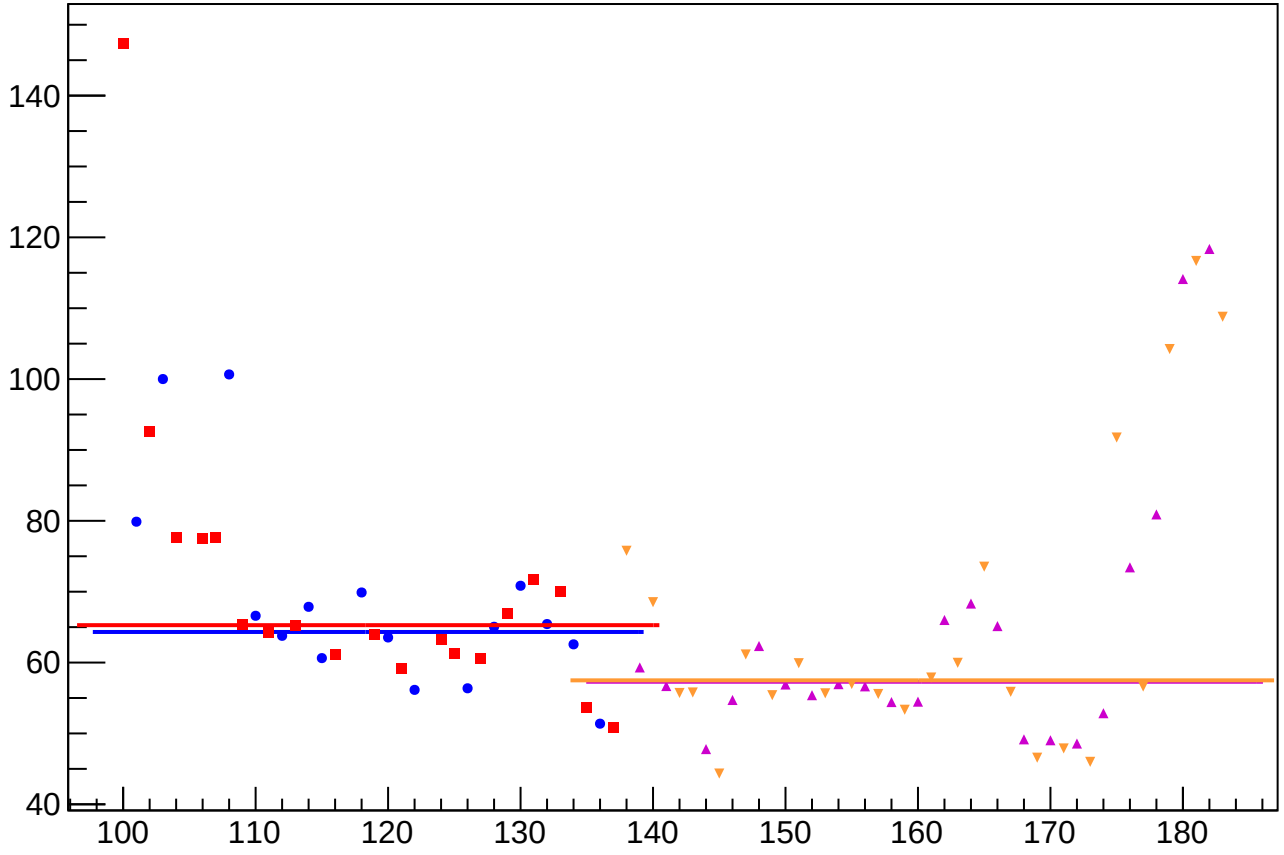
Left In: 29.463+/-14.020 χ^2/NDF:32.0/21

+ sign -3.456+/-11.946 χ^2/NDF: 45.4/39

All: 7.736+/-8.517 χ^2/NDF: 105.2/80

- sign 19.307+/-12.147 χ^2/NDF: 58.1/40

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 57.490+/-0.010 χ^2/NDF:1861745.5/23

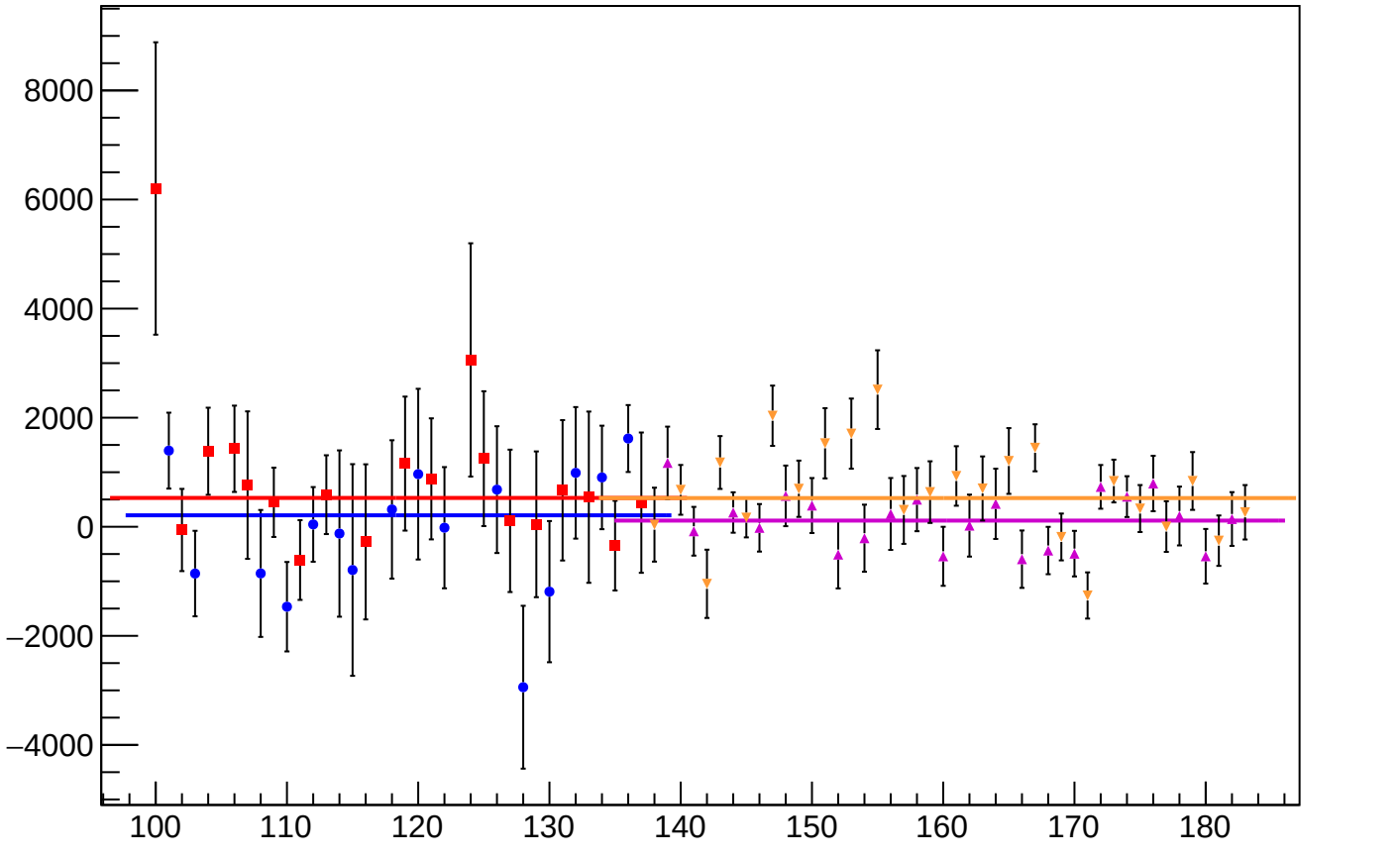
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 57.294+/-0.010 χ^2/NDF:1340273.3/21

+ sign 59.115+/-0.008 χ^2/NDF: 2445097.6/39

All: 59.198+/-0.006 χ^2/NDF: 4266406.1/80

- sign 59.285+/-0.009 χ^2/NDF: 1821108.0/40



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 526.188+/-102.532 χ^2/NDF:63.5/23

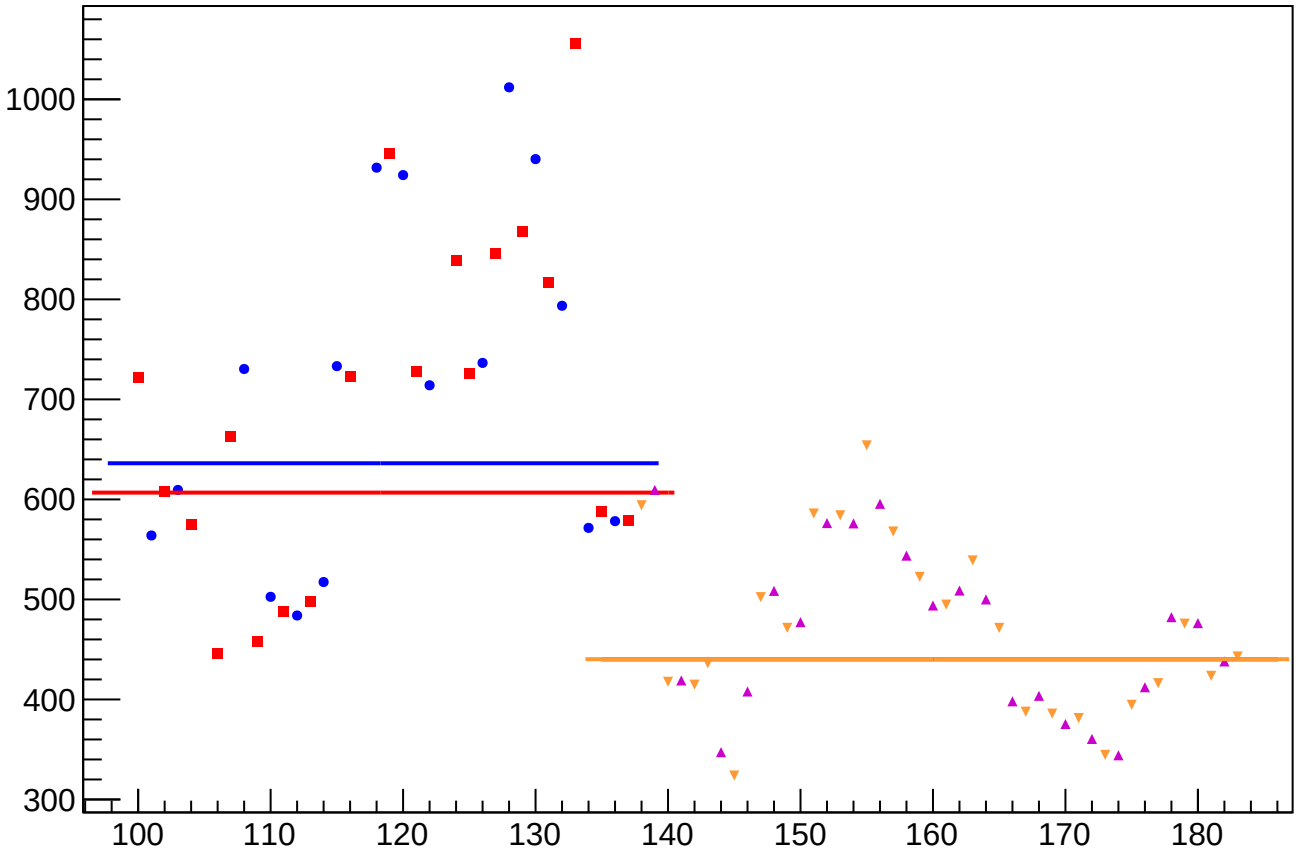
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 113.133+/-105.481 χ^2/NDF:20.2/21

+ sign 478.670+/-94.514 χ^2/NDF: 87.4/39

All: 334.157+/-67.301 χ^2/NDF: 128.8/80

- sign 185.512+/-95.856 χ^2/NDF: 36.7/40



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 440.267+/-0.073 χ^2/NDF:1196512.1/23

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

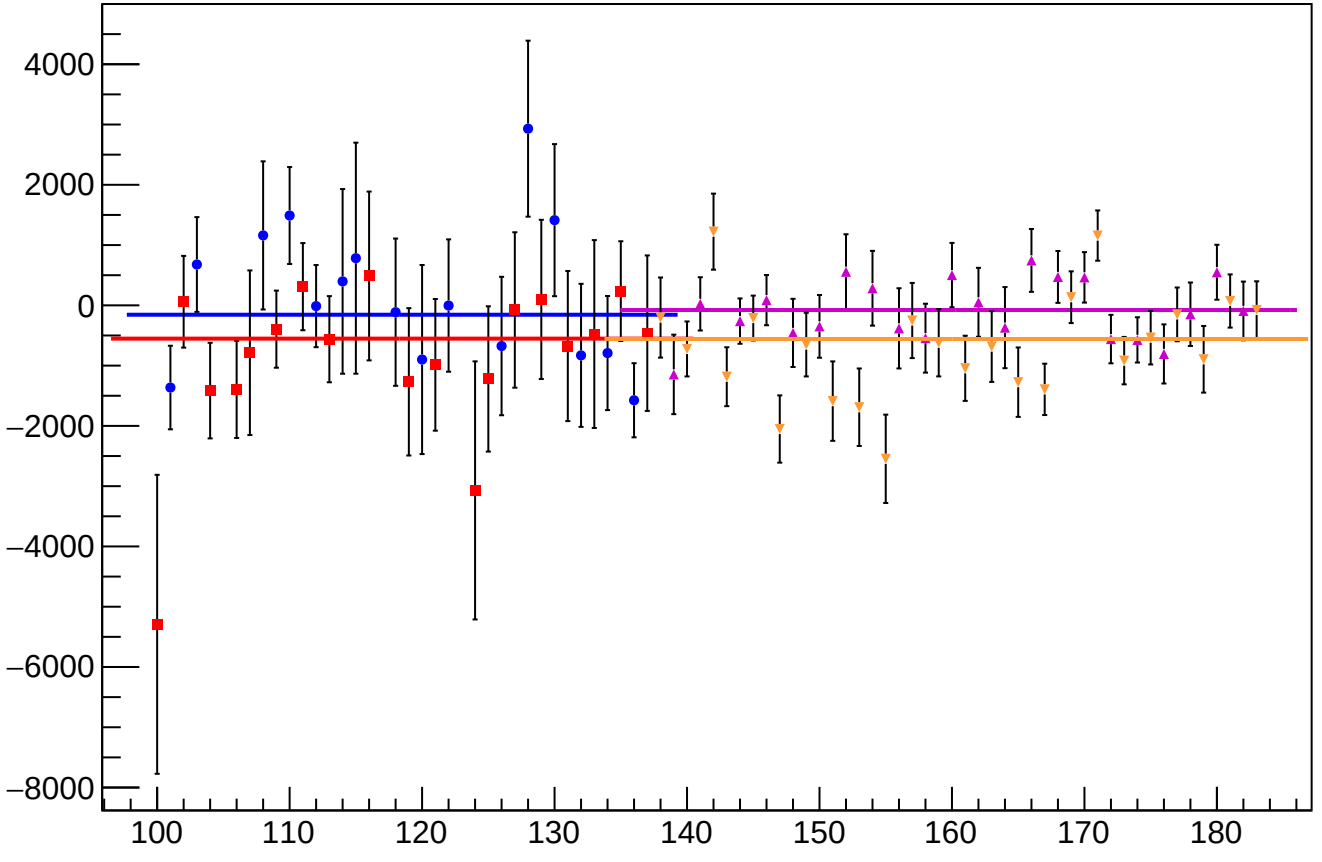
Left In: 440.093+/-0.075 χ^2/NDF:1061439.4/21

+ sign 469.706+/-0.067 χ^2/NDF: 2998752.6/39

All: 469.422+/-0.048 χ^2/NDF: 5824259.5/80

- sign 469.130+/-0.068 χ^2/NDF: 2825470.4/40

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -558.501+/-102.295 χ^2/NDF:62.2/23

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

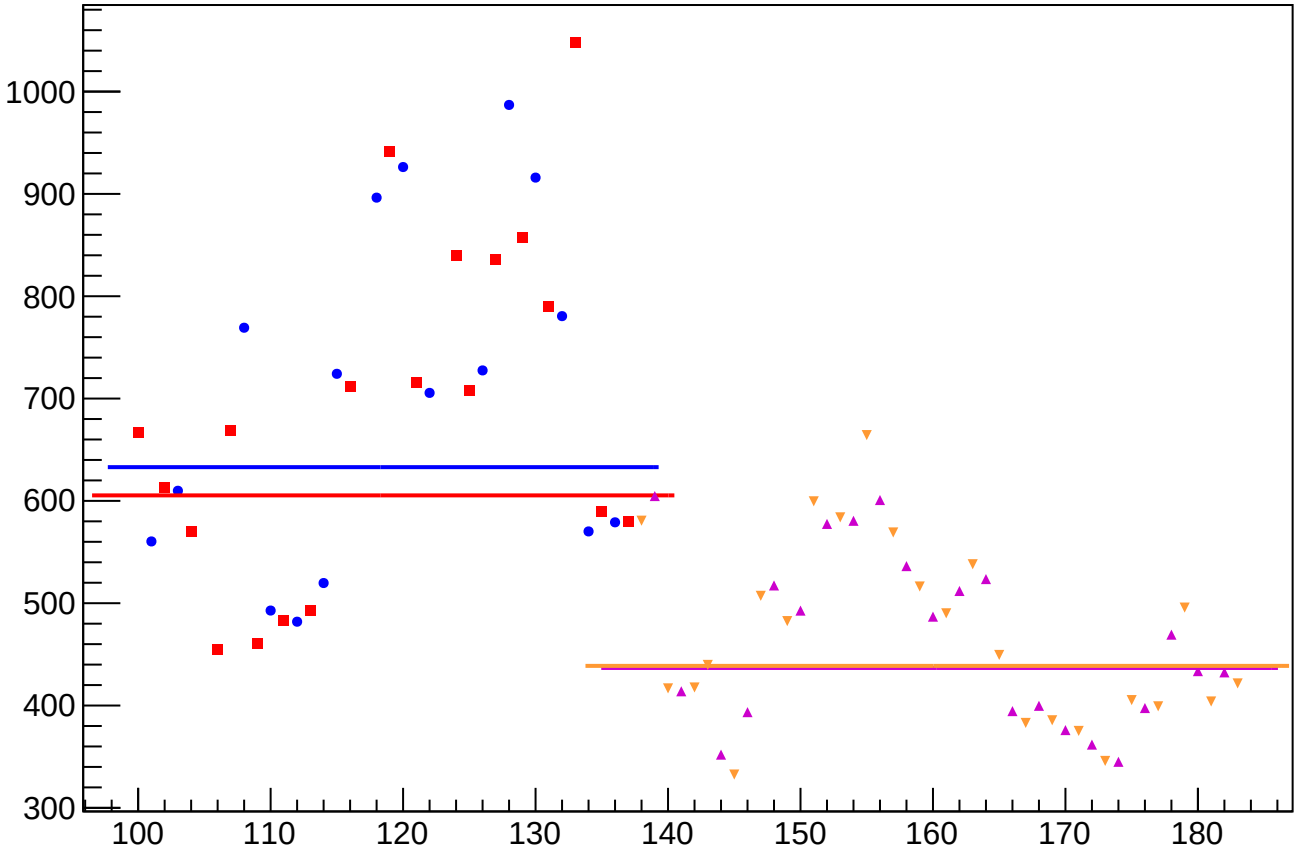
Left In: -77.145+/-104.696 χ^2/NDF:20.6/21

\+ sign -497.685+/-94.258 χ^2/NDF: 87.0/39

All: -330.208+/-66.984 χ^2/NDF: 129.6/80

\- sign -159.336+/-95.209 χ^2/NDF: 36.3/40

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 438.757+/-0.072 χ^2/NDF:1203478.9/23

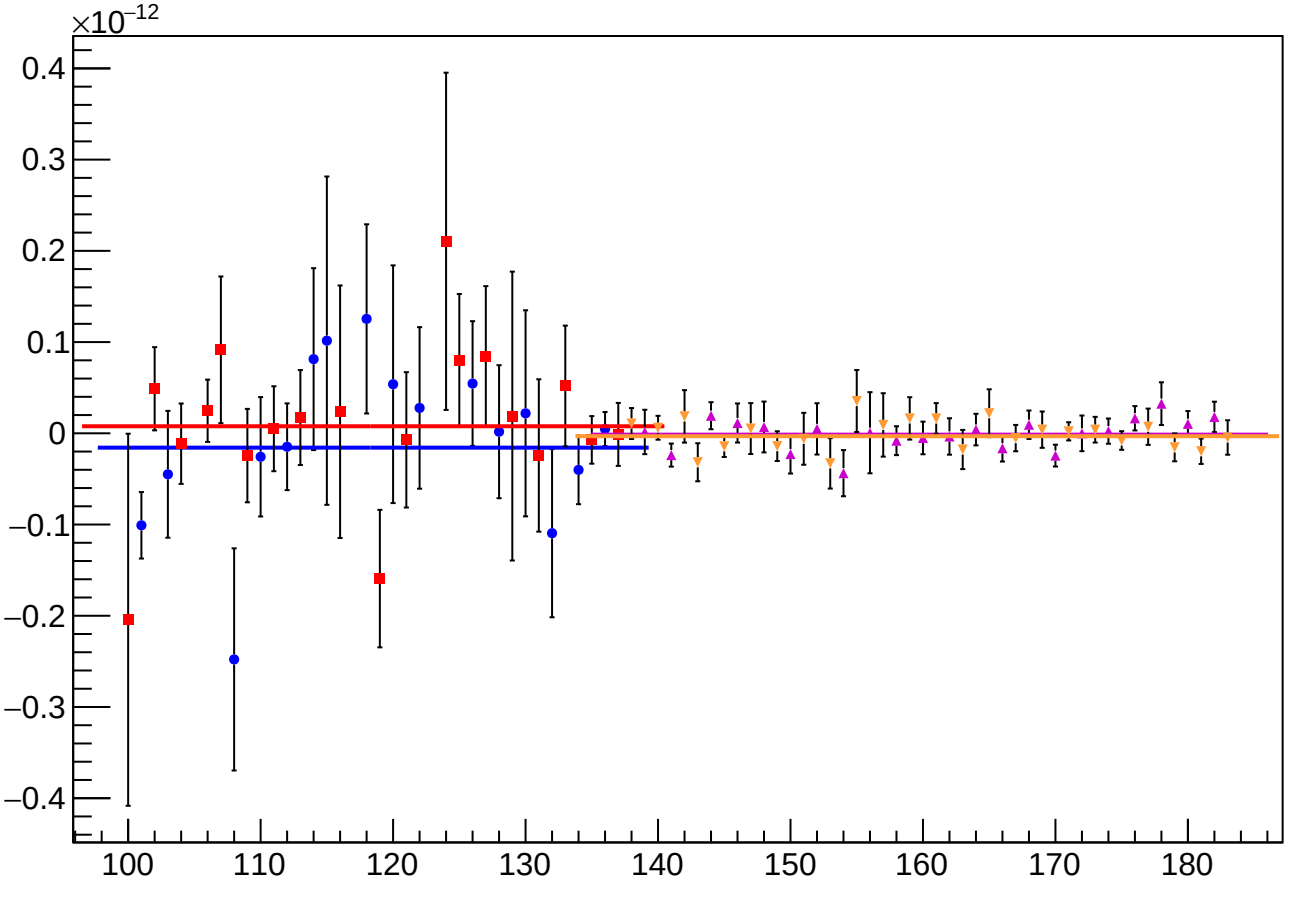
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 436.704+/-0.074 χ^2/NDF:1079406.3/21

+ sign 468.076+/-0.067 χ^2/NDF: 2972870.2/39

All: 466.993+/-0.047 χ^2/NDF: 5804939.3/80

- sign 465.888+/-0.067 χ^2/NDF: 2831535.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

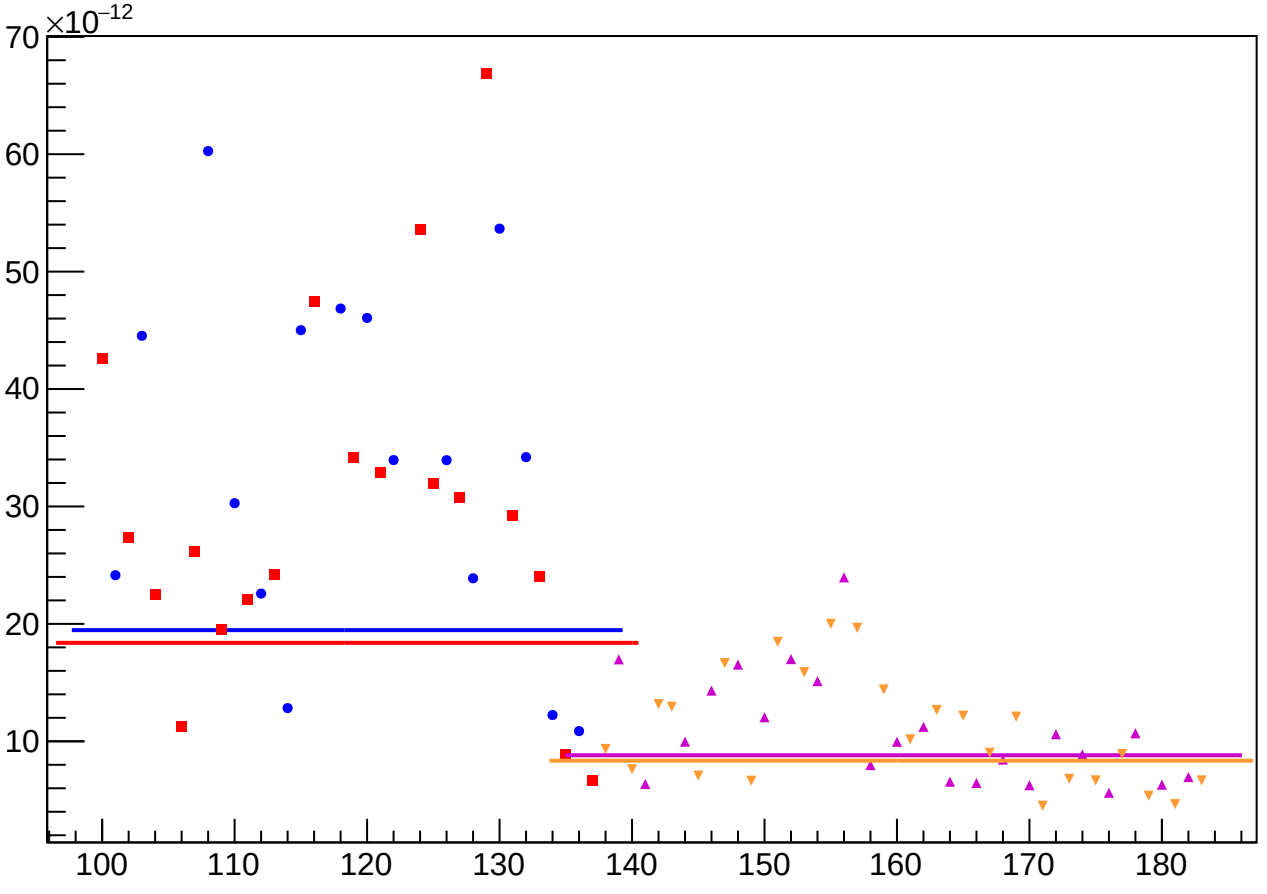
Left In: -0.000+/-0.000 χ^2/NDF:21.0/21

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/39

All: -0.000+/-0.000 χ^2/NDF: 67.1/80

- sign -0.000+/-0.000 χ^2/NDF: 34.5/40

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2205852.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

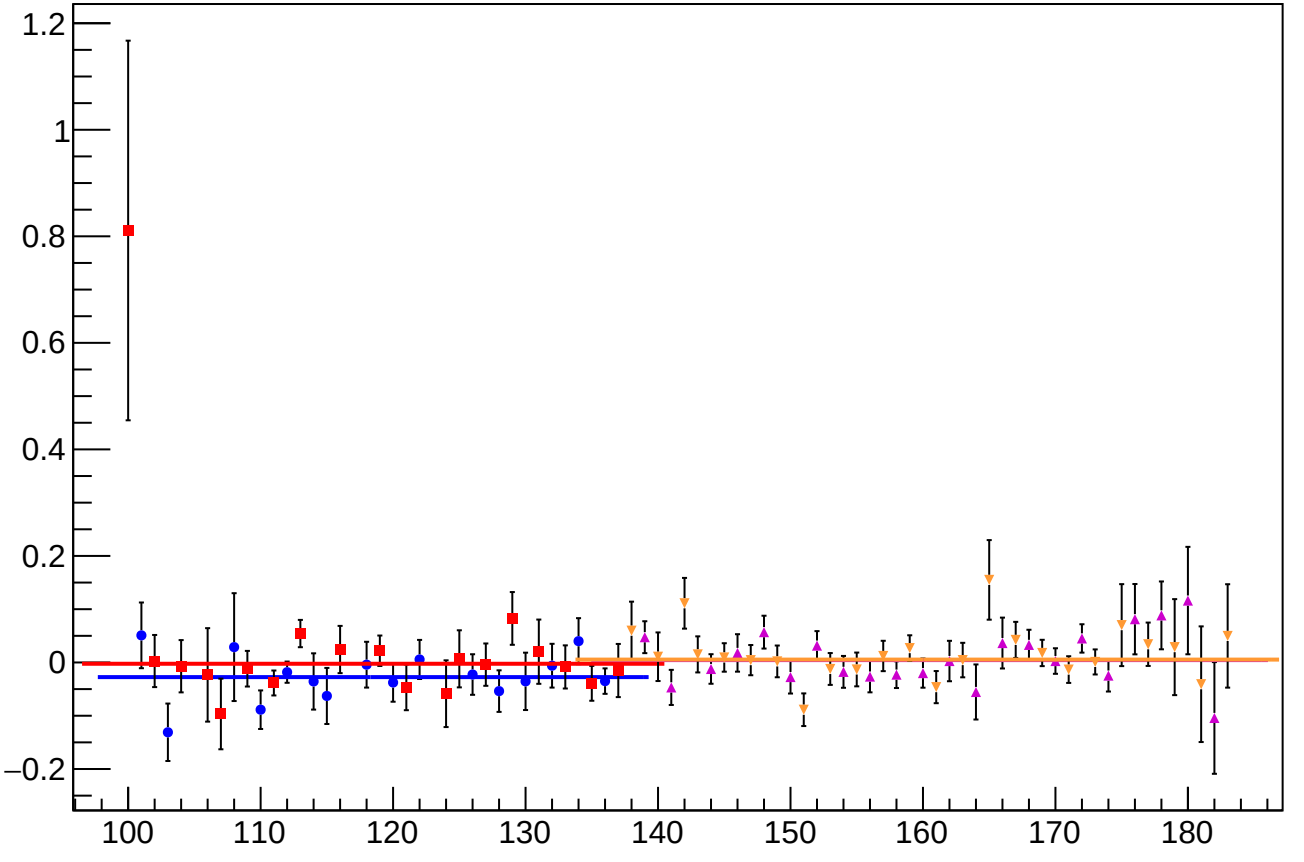
Left In: 0.000+/-0.000 χ^2/NDF:1624579.8/21

+ sign 0.000+/-0.000 χ^2/NDF: 5389322.3/39

All: 0.000+/-0.000 χ^2/NDF: 9615889.7/80

- sign 0.000+/-0.000 χ^2/NDF: 4205230.4/40

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

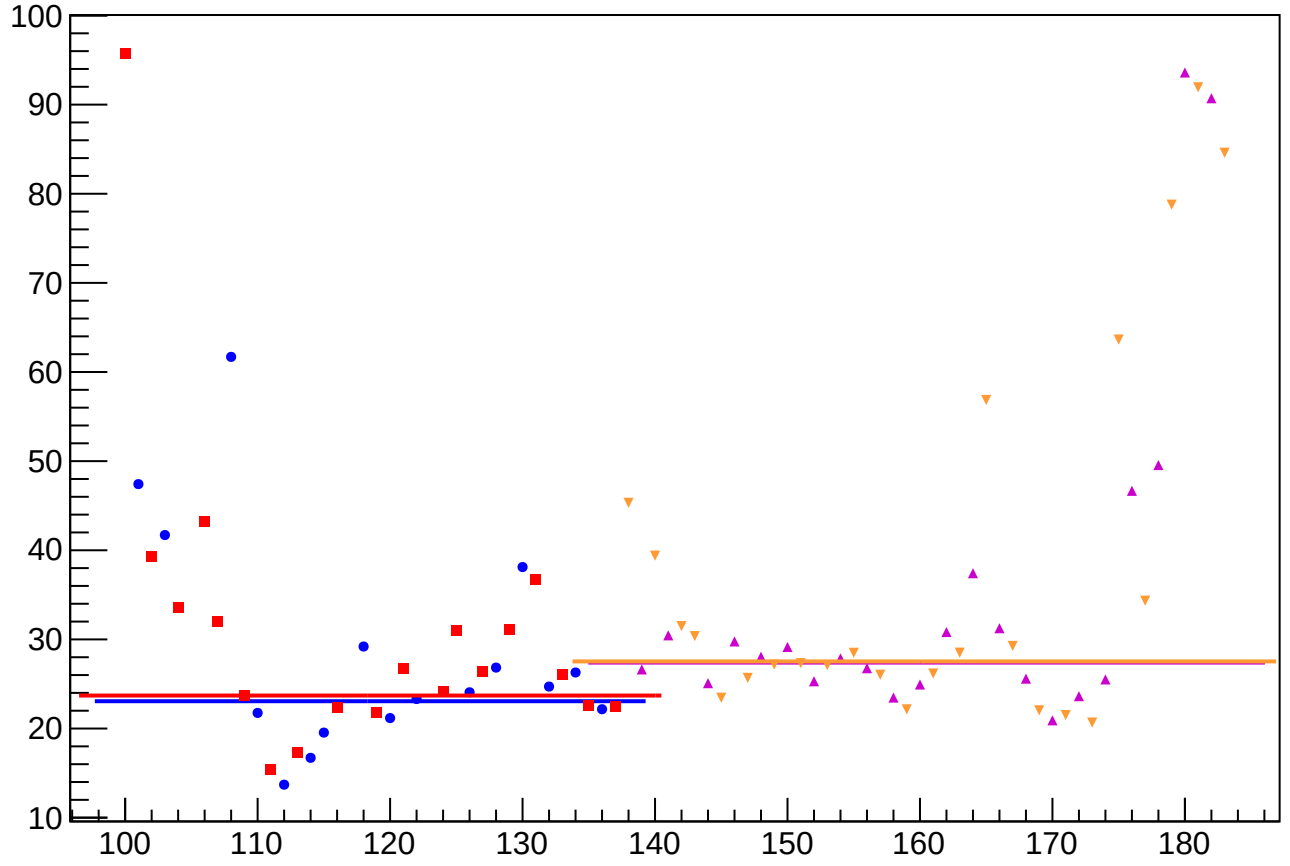
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:25.0/21

+ sign -0.006+/-0.006 χ^2/NDF: 49.3/39

All: -0.002+/-0.004 χ^2/NDF: 97.9/80

- sign 0.002+/-0.006 χ^2/NDF: 47.5/40



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782370.3/23

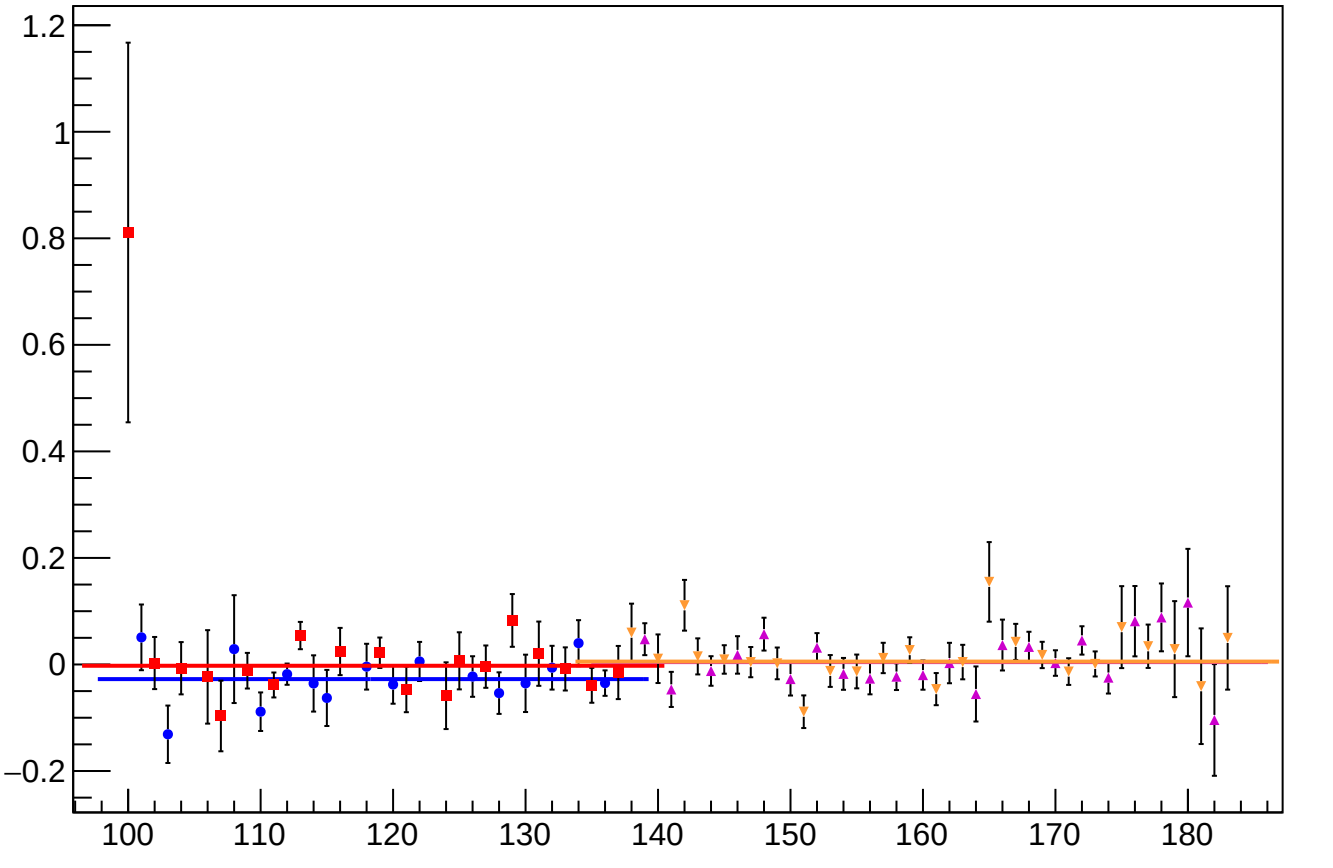
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.398+/-0.005 χ^2/NDF:2438137.2/21

+ sign 25.978+/-0.004 χ^2/NDF: 5641509.7/39

All: 26.019+/-0.003 χ^2/NDF: 9370284.3/80

- sign 26.061+/-0.004 χ^2/NDF: 3728551.3/40



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

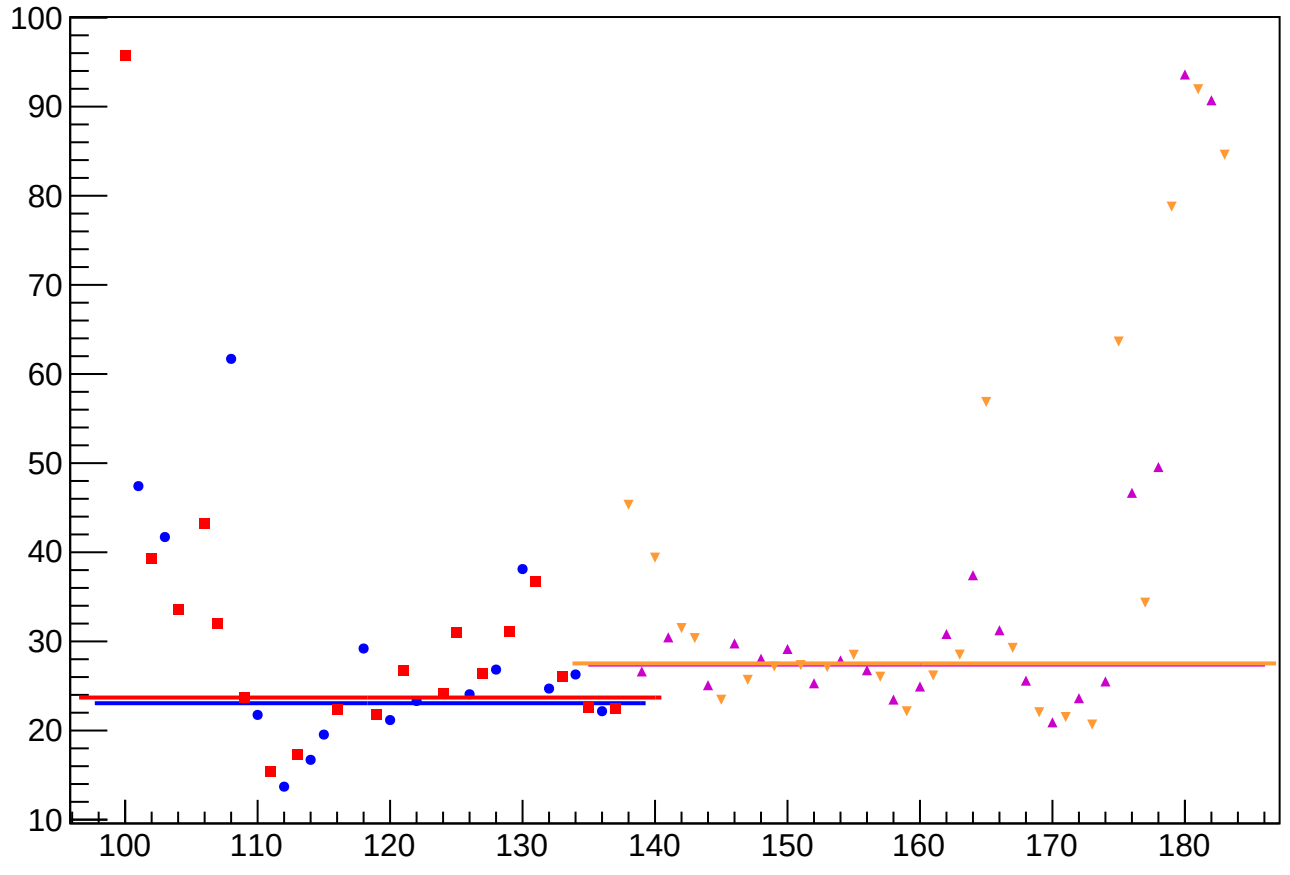
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:25.0/21

+ sign -0.006+/-0.006 χ^2/NDF: 49.3/39

All: -0.002+/-0.004 χ^2/NDF: 97.9/80

- sign 0.002+/-0.006 χ^2/NDF: 47.5/40



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782370.3/23

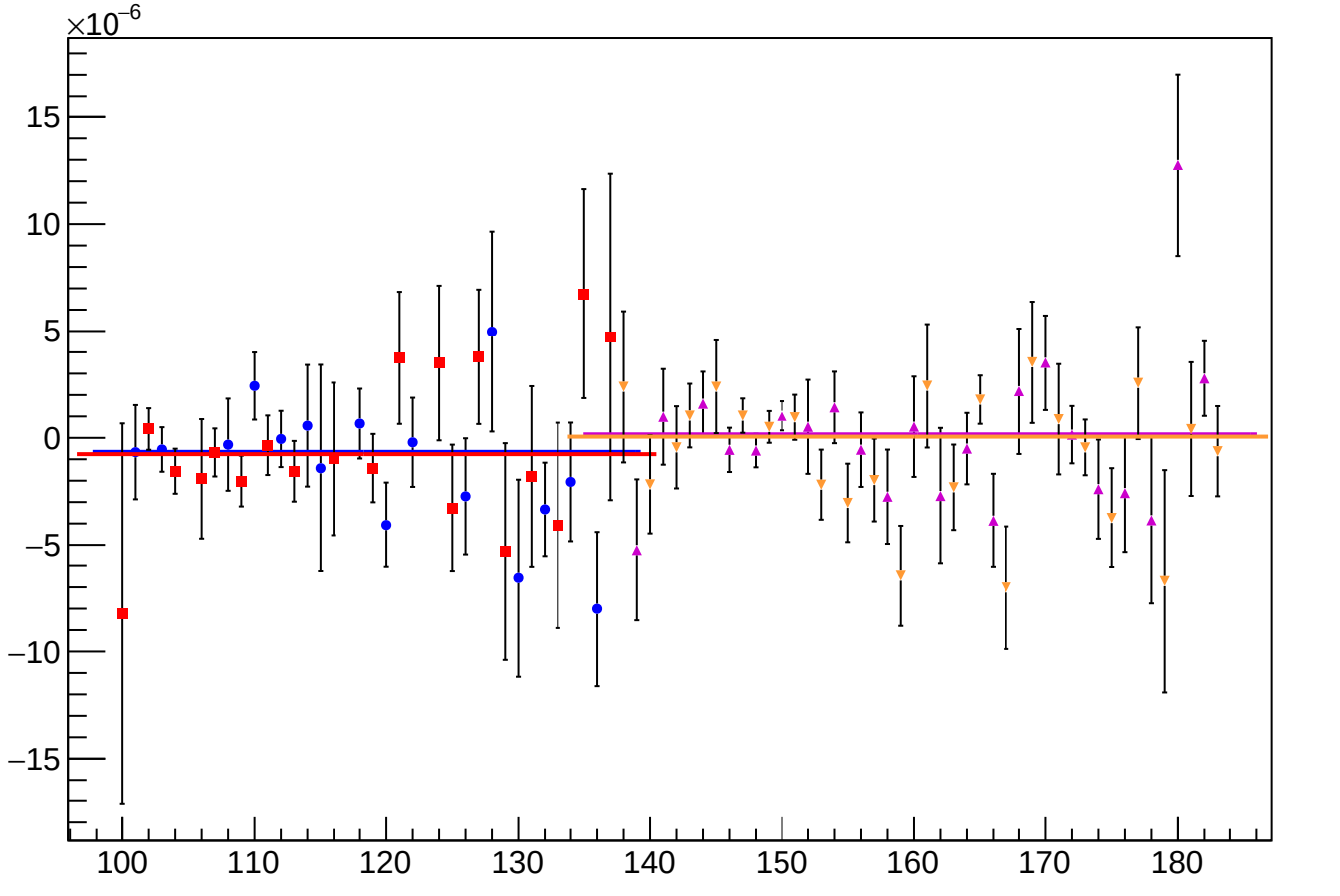
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.398+/-0.005 χ^2/NDF:2438137.2/21

+ sign 25.978+/-0.004 χ^2/NDF: 5641509.7/39

All: 26.019+/-0.003 χ^2/NDF: 9370284.3/80

- sign 26.061+/-0.004 χ^2/NDF: 3728551.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.8/23

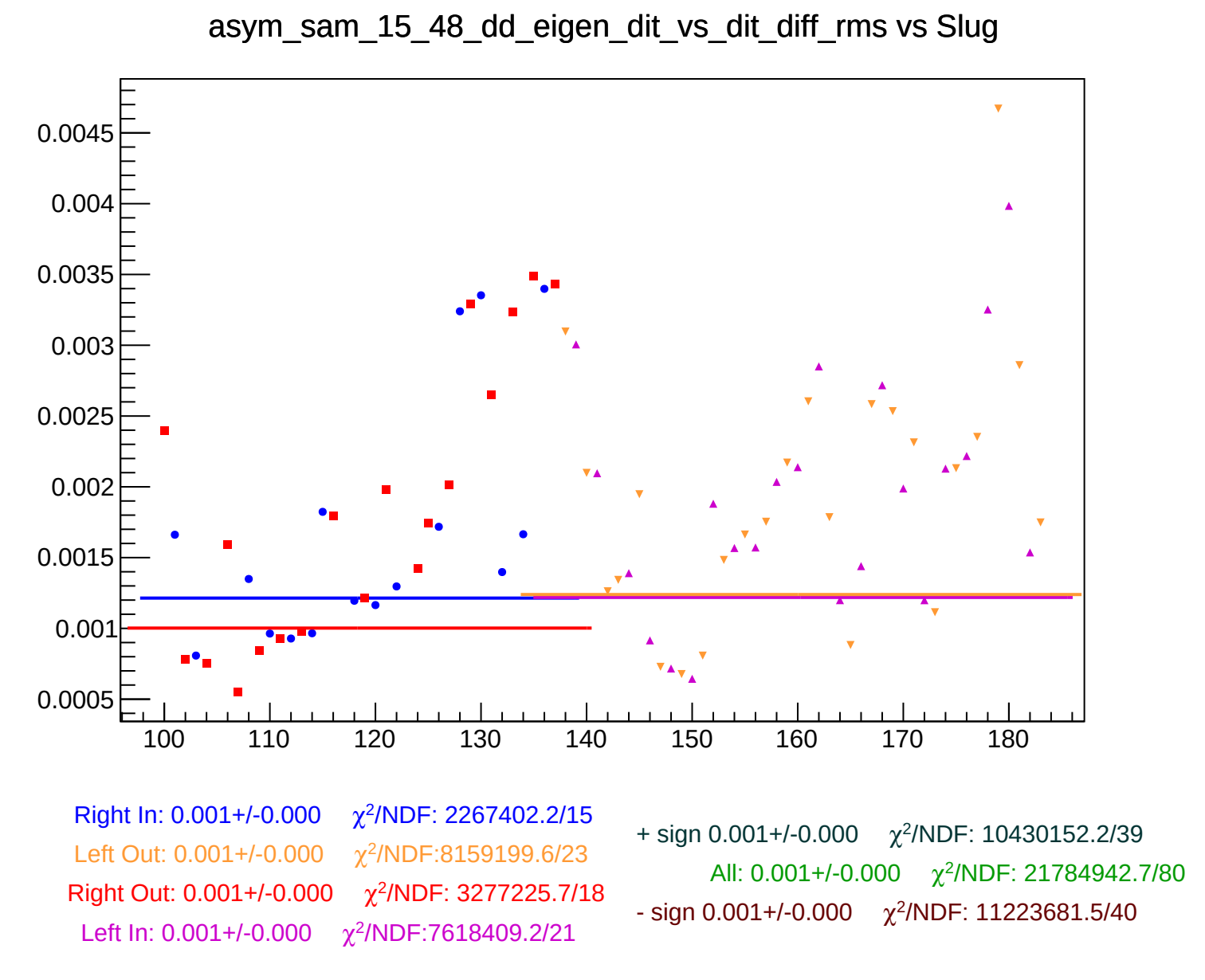
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:30.7/21

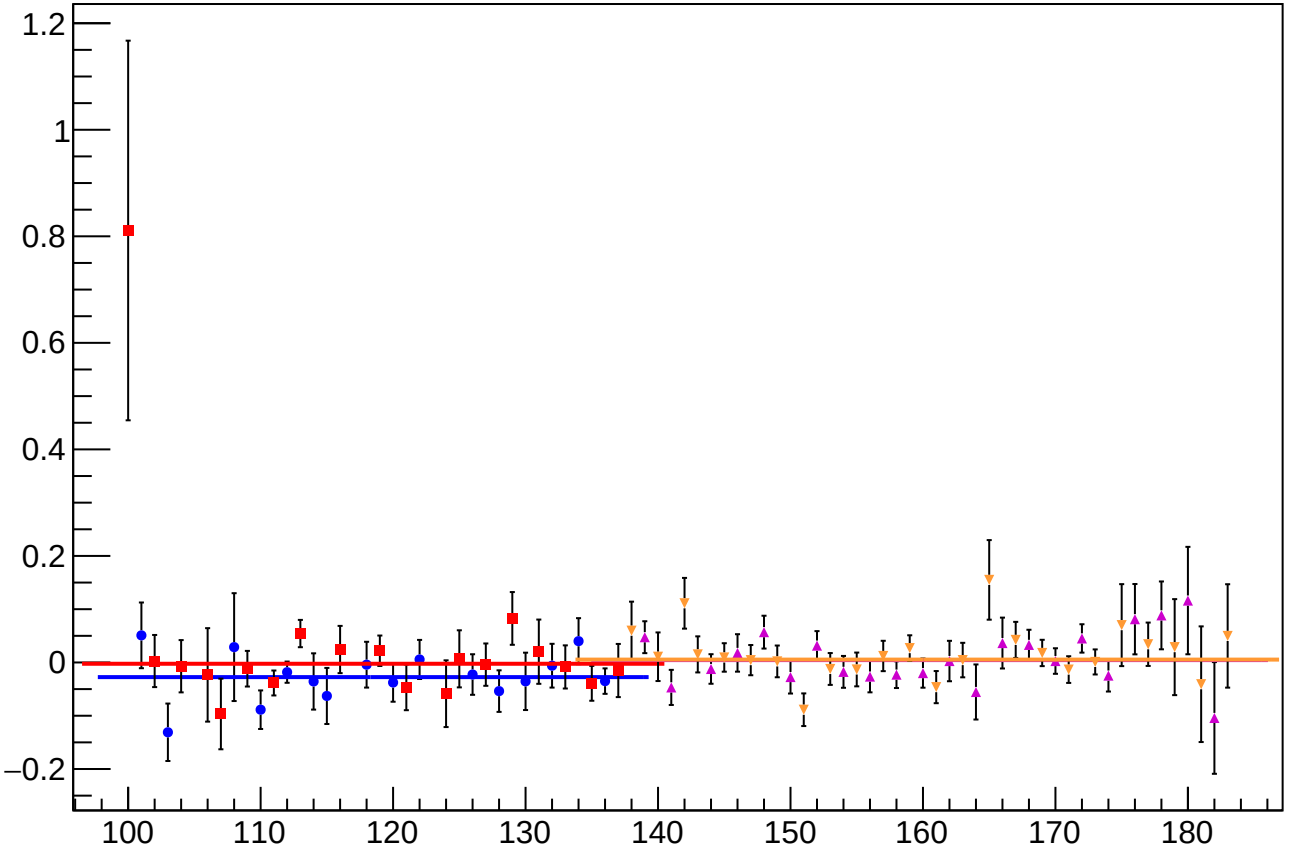
+ sign -0.000+/-0.000 χ^2/NDF: 55.8/39

All: -0.000+/-0.000 χ^2/NDF: 104.7/80

- sign -0.000+/-0.000 χ^2/NDF: 48.9/40


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:8159199.6/23
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:7618409.2/21
+ sign 0.001+/-0.000 χ²/NDF: 10430152.2/39
All: 0.001+/-0.000 χ²/NDF: 21784942.7/80
- sign 0.001+/-0.000 χ²/NDF: 11223681.5/40

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

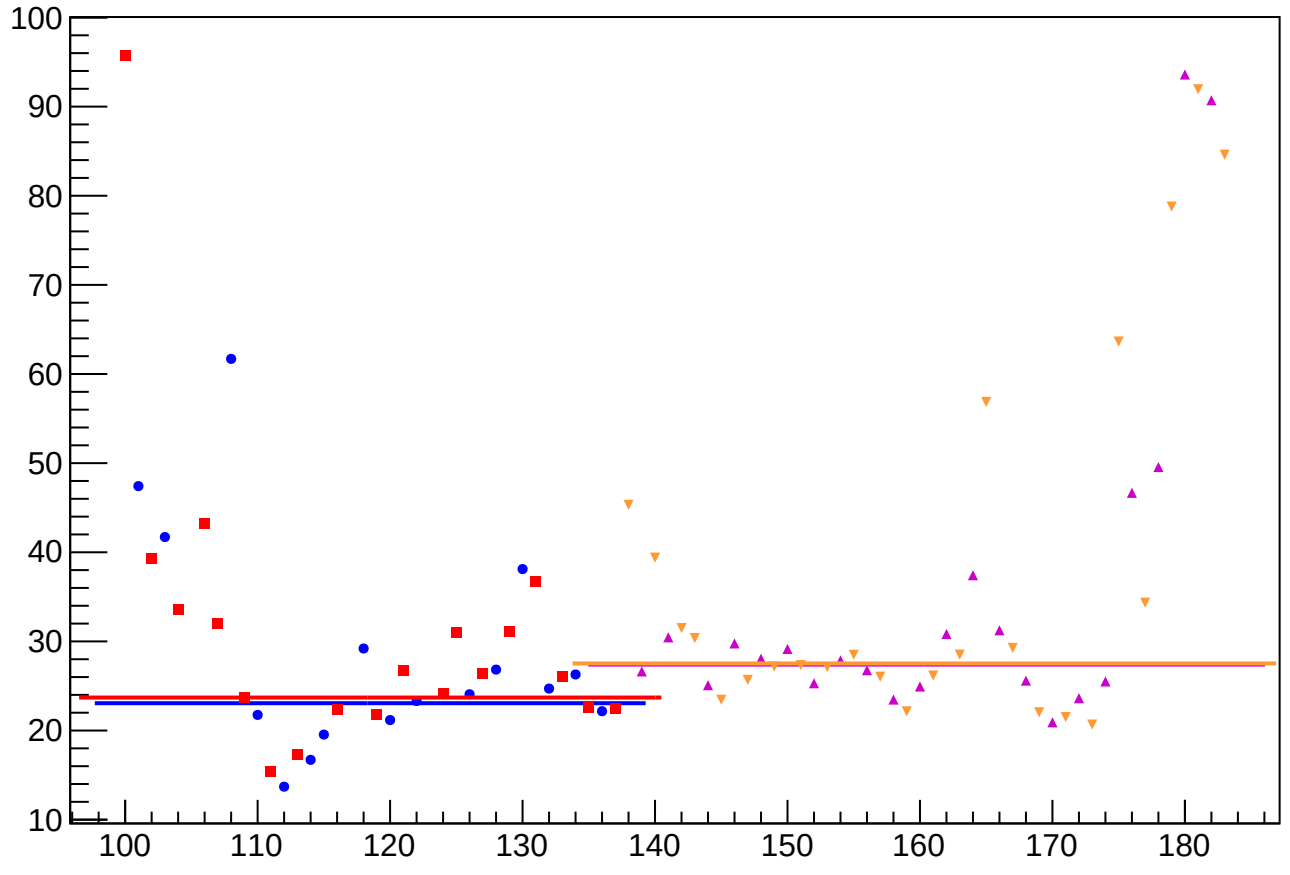
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:25.0/21

+ sign -0.006+/-0.006 χ^2/NDF: 49.3/39

All: -0.002+/-0.004 χ^2/NDF: 97.9/80

- sign 0.002+/-0.006 χ^2/NDF: 47.5/40



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782317.8/23

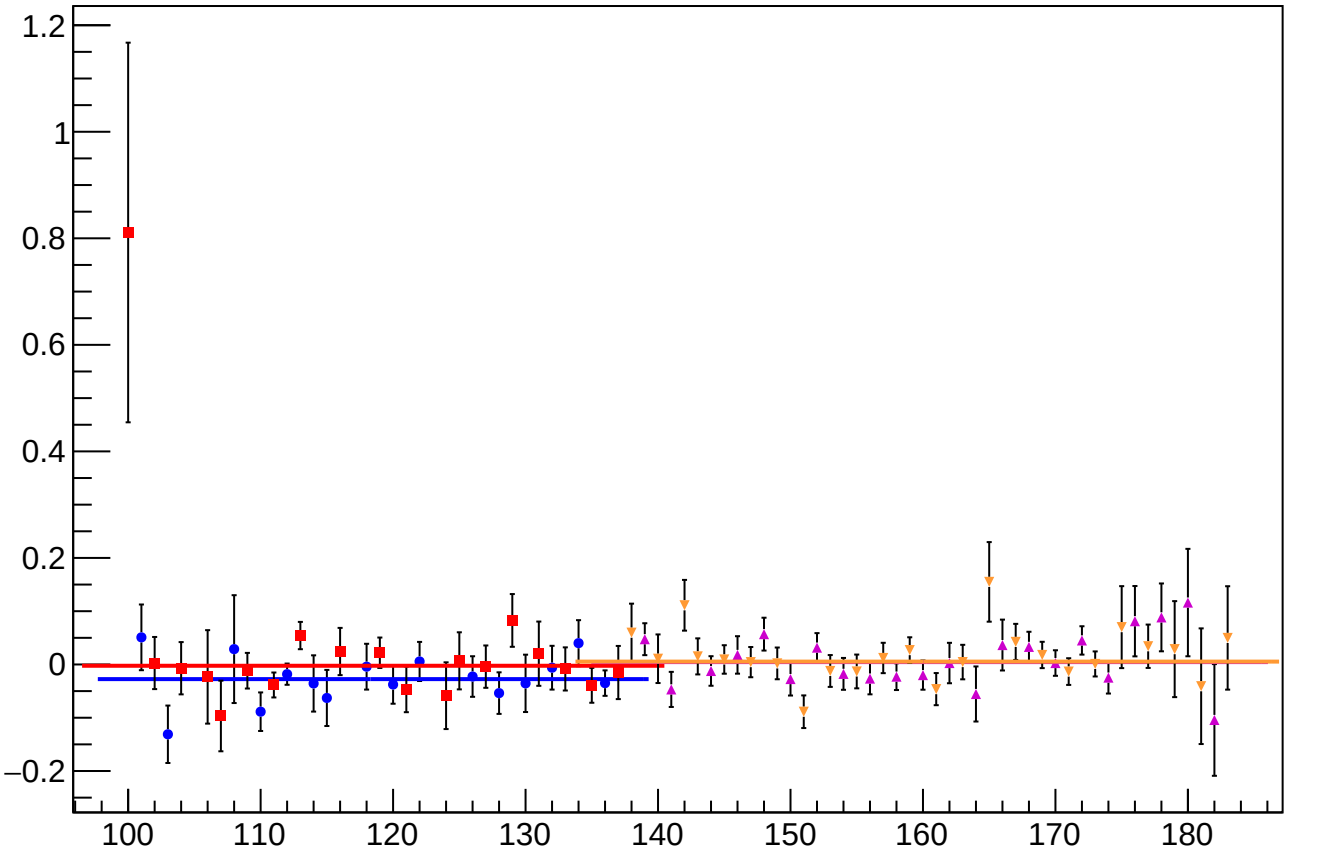
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.398+/-0.005 χ^2/NDF:2438102.1/21

+ sign 25.978+/-0.004 χ^2/NDF: 5641541.8/39

All: 26.019+/-0.003 χ^2/NDF: 9370366.9/80

- sign 26.061+/-0.004 χ^2/NDF: 3728602.2/40



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

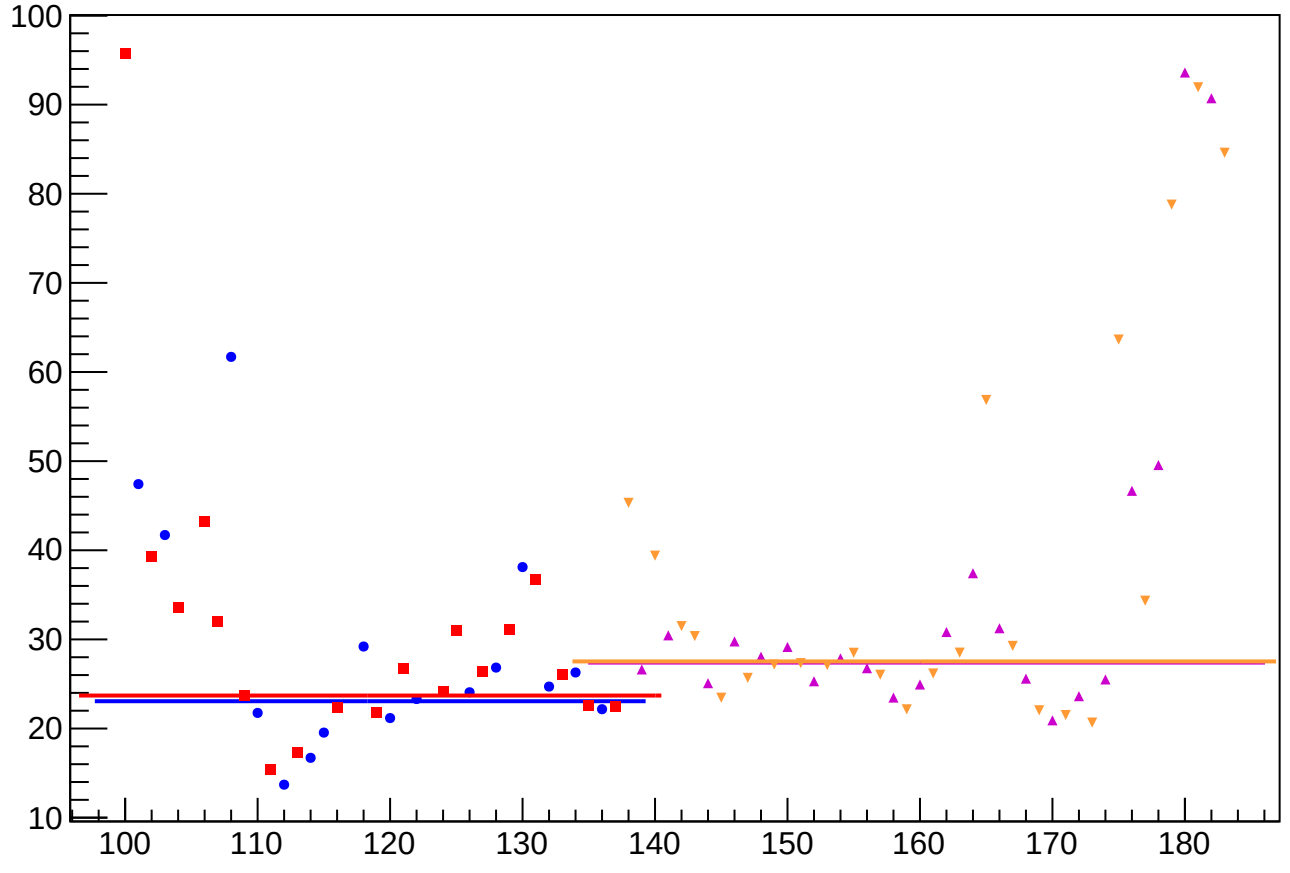
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.007 χ^2/NDF:25.0/21

+ sign -0.006+/-0.006 χ^2/NDF: 49.3/39

All: -0.002+/-0.004 χ^2/NDF: 97.9/80

- sign 0.002+/-0.006 χ^2/NDF: 47.5/40



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782317.8/23

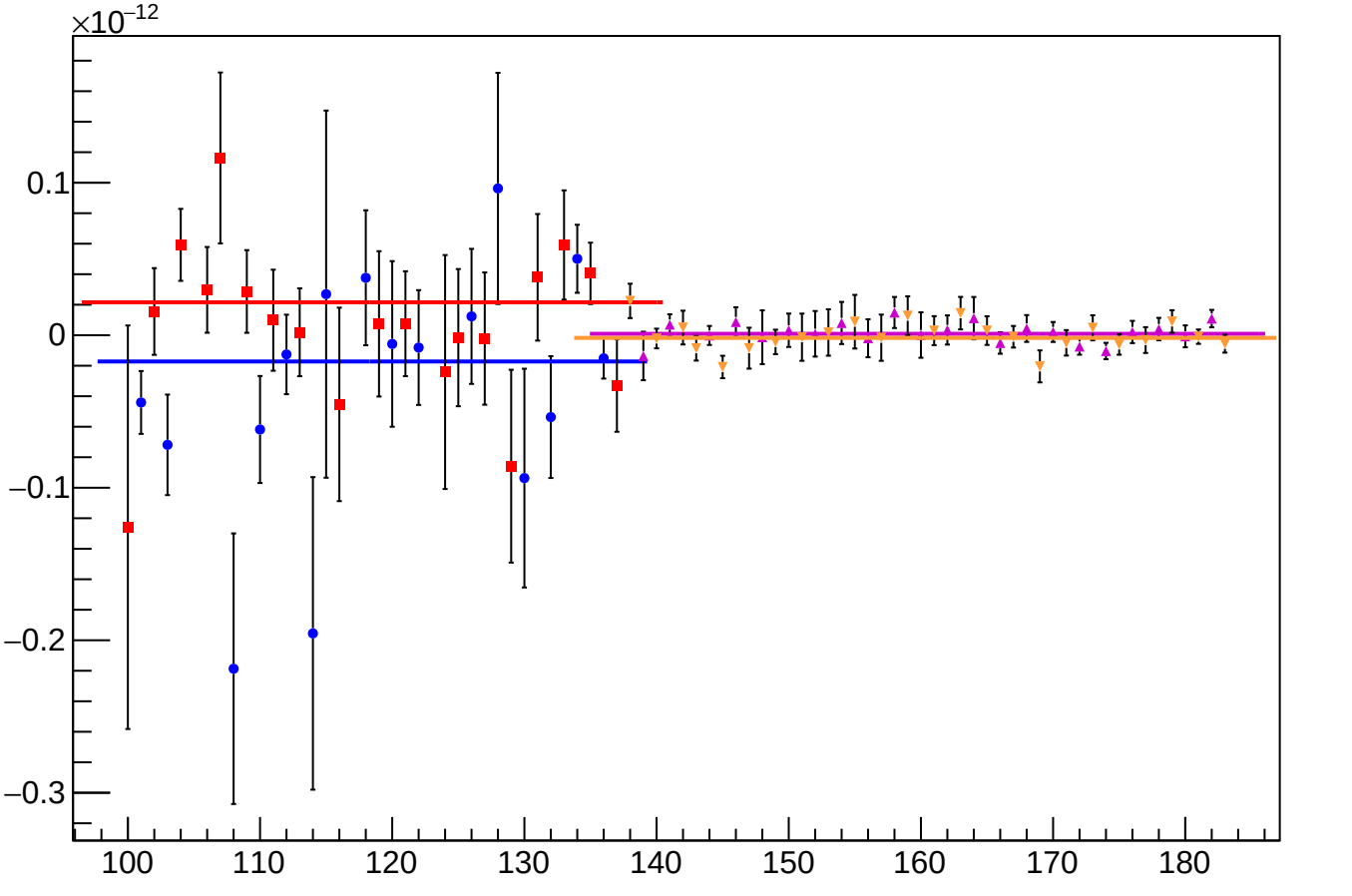
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.398+/-0.005 χ^2/NDF:2438102.1/21

+ sign 25.978+/-0.004 χ^2/NDF: 5641541.8/39

All: 26.019+/-0.003 χ^2/NDF: 9370366.9/80

- sign 26.061+/-0.004 χ^2/NDF: 3728602.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.3/23

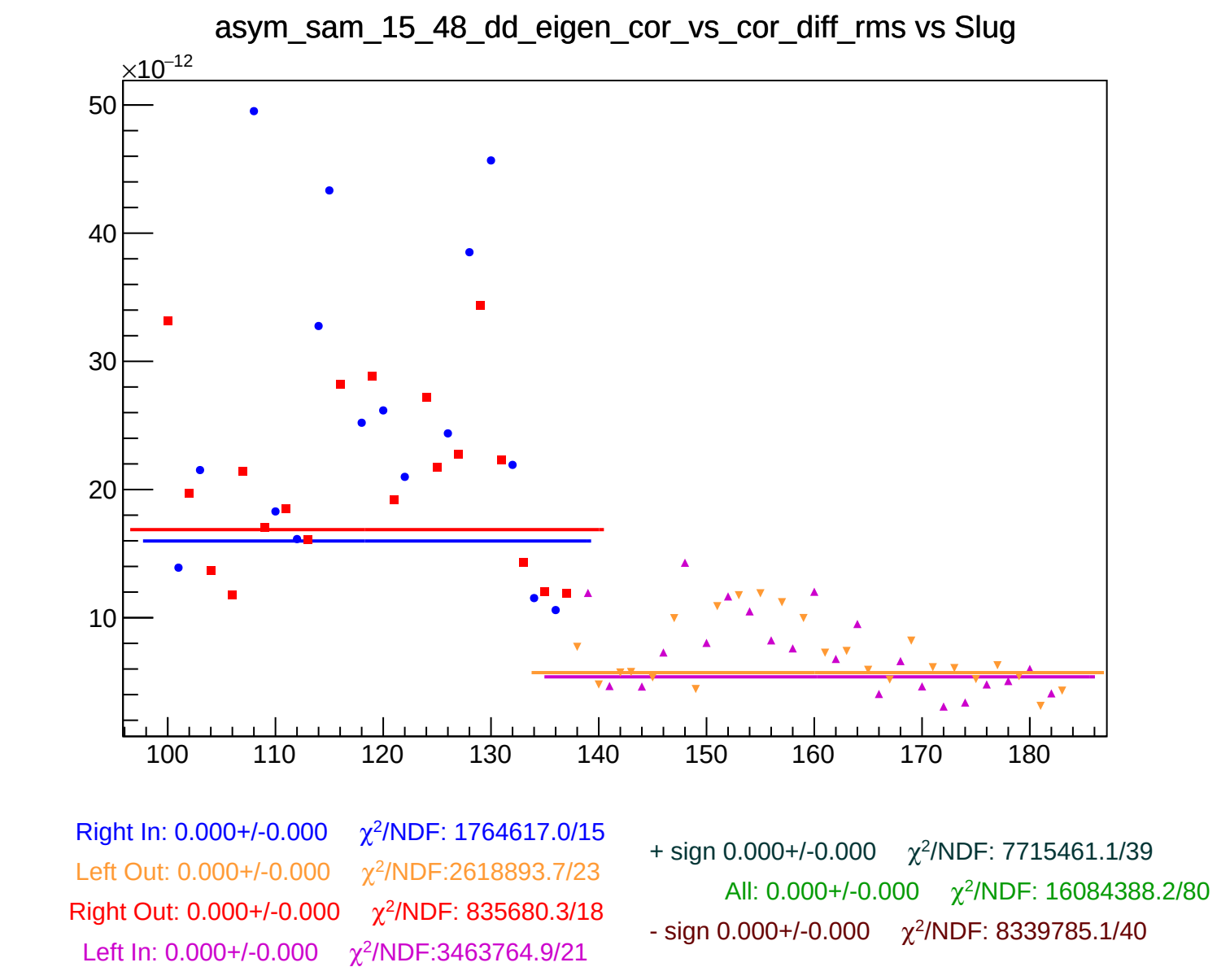
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/21

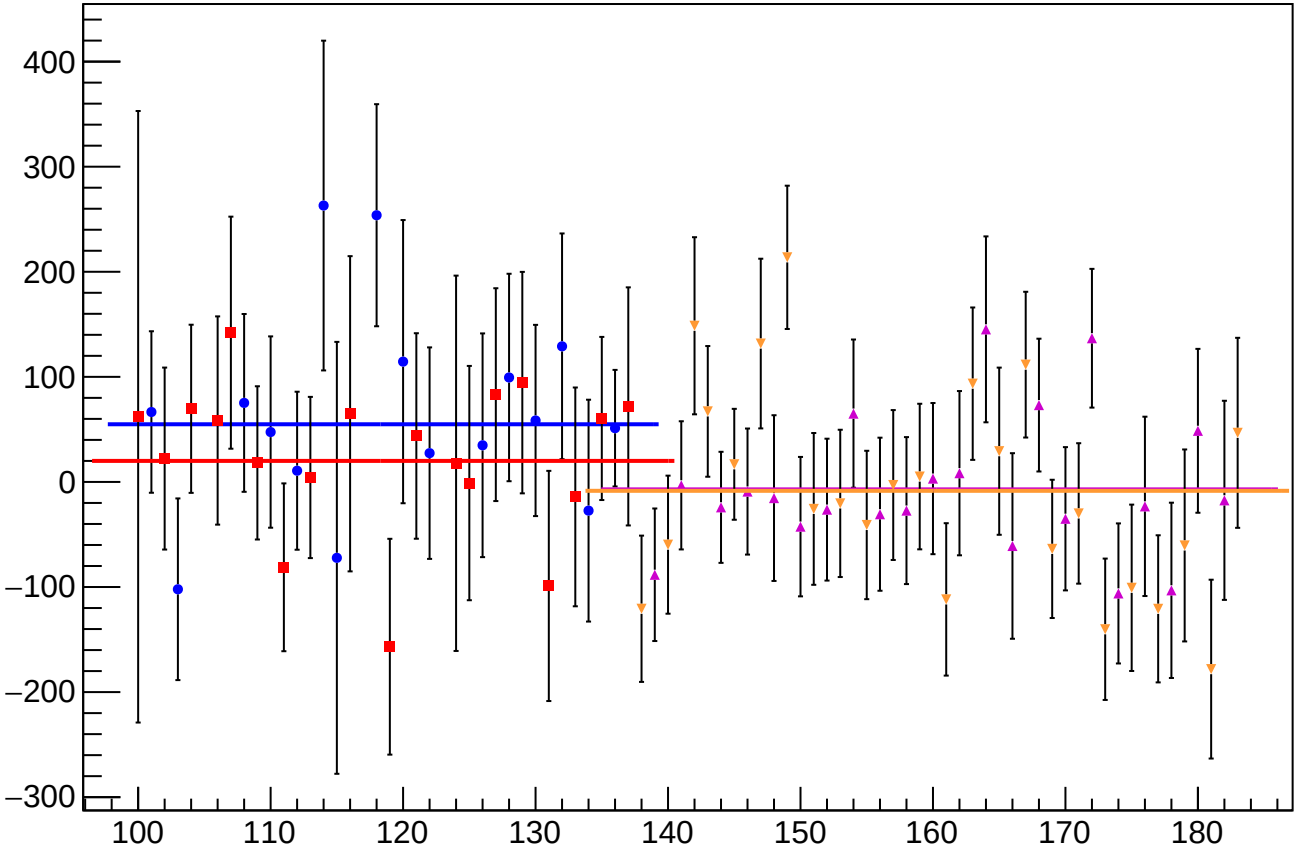
+ sign -0.000+/-0.000 χ^2/NDF: 58.0/39

All: -0.000+/-0.000 χ^2/NDF: 102.2/80

- sign 0.000+/-0.000 χ^2/NDF: 40.9/40


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2618893.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3463764.9/21
+ sign 0.000+/-0.000 χ²/NDF: 7715461.1/39
All: 0.000+/-0.000 χ²/NDF: 16084388.2/80
- sign 0.000+/-0.000 χ²/NDF: 8339785.1/40

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -8.449+/-14.537 χ^2/NDF:42.8/23

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

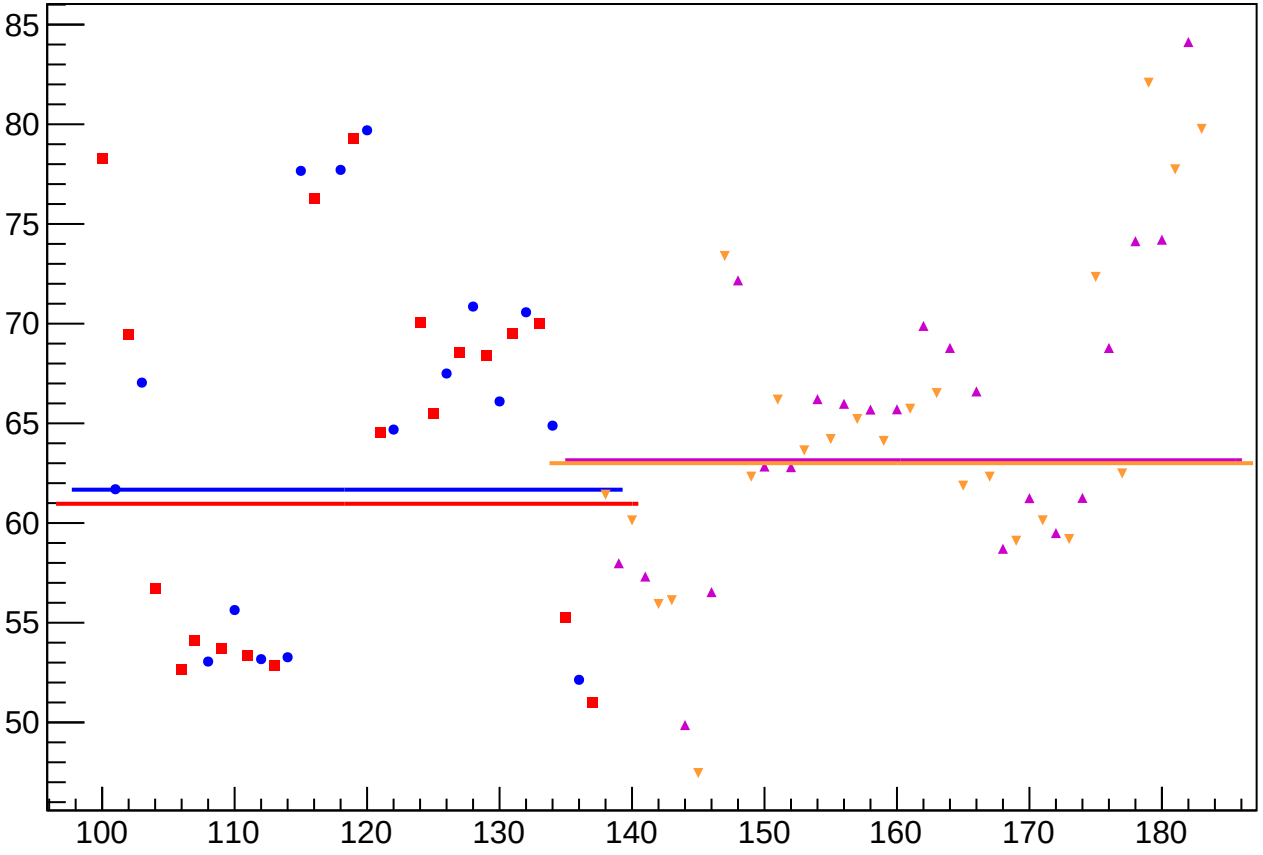
Left In: -7.077+/-14.994 χ^2/NDF:17.4/21

+ sign 9.430+/-12.315 χ^2/NDF: 59.2/39

All: 5.382+/-8.769 χ^2/NDF: 87.1/80

- sign 1.220+/-12.489 χ^2/NDF: 27.6/40

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 63.002+/-0.010 χ^2/NDF:526418.6/23

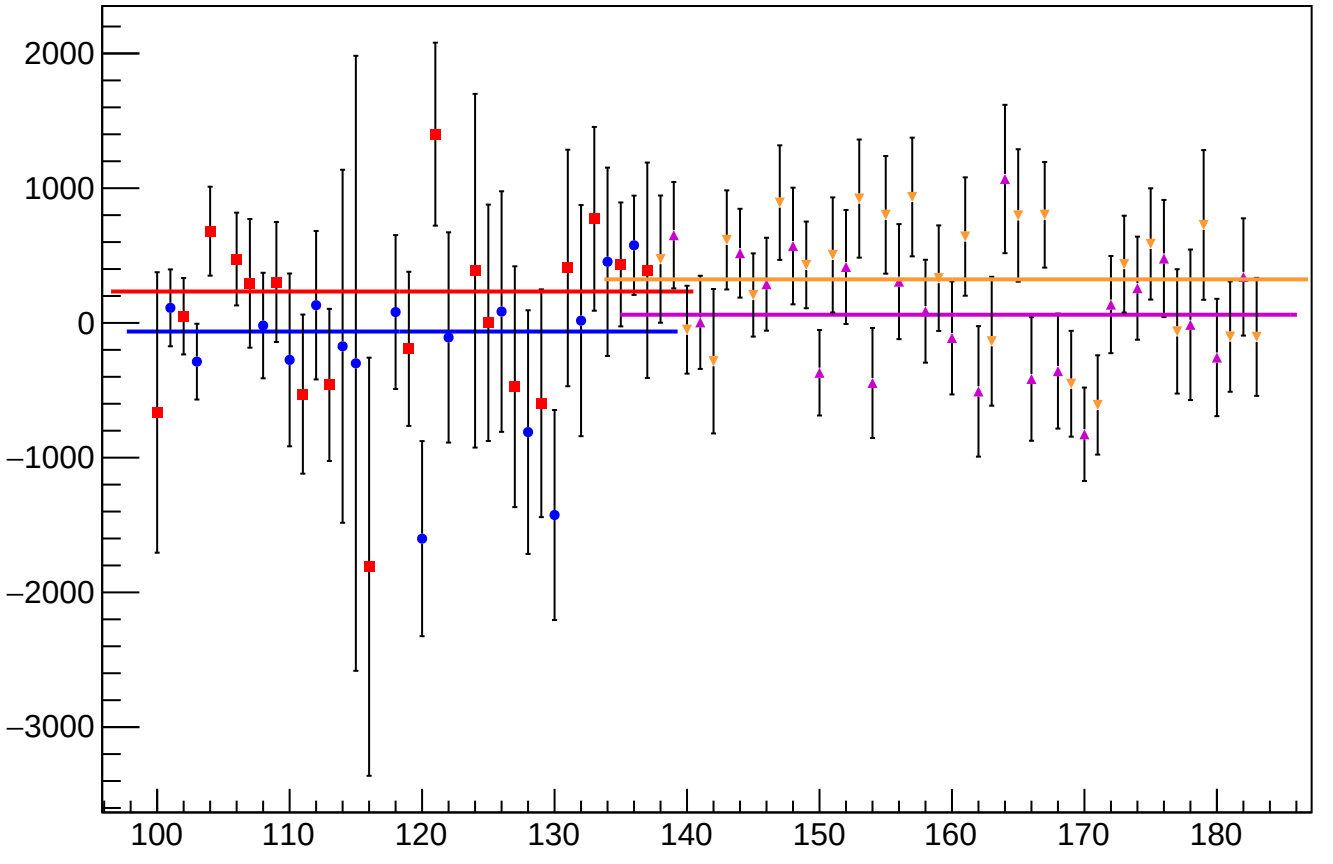
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 63.149+/-0.011 χ^2/NDF:447519.6/21

+ sign 62.627+/-0.009 χ^2/NDF: 798247.0/39

All: 62.555+/-0.006 χ^2/NDF: 1543066.5/80

- sign 62.481+/-0.009 χ^2/NDF: 744681.3/40



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 323.406+/-83.096 χ^2/NDF:28.5/23

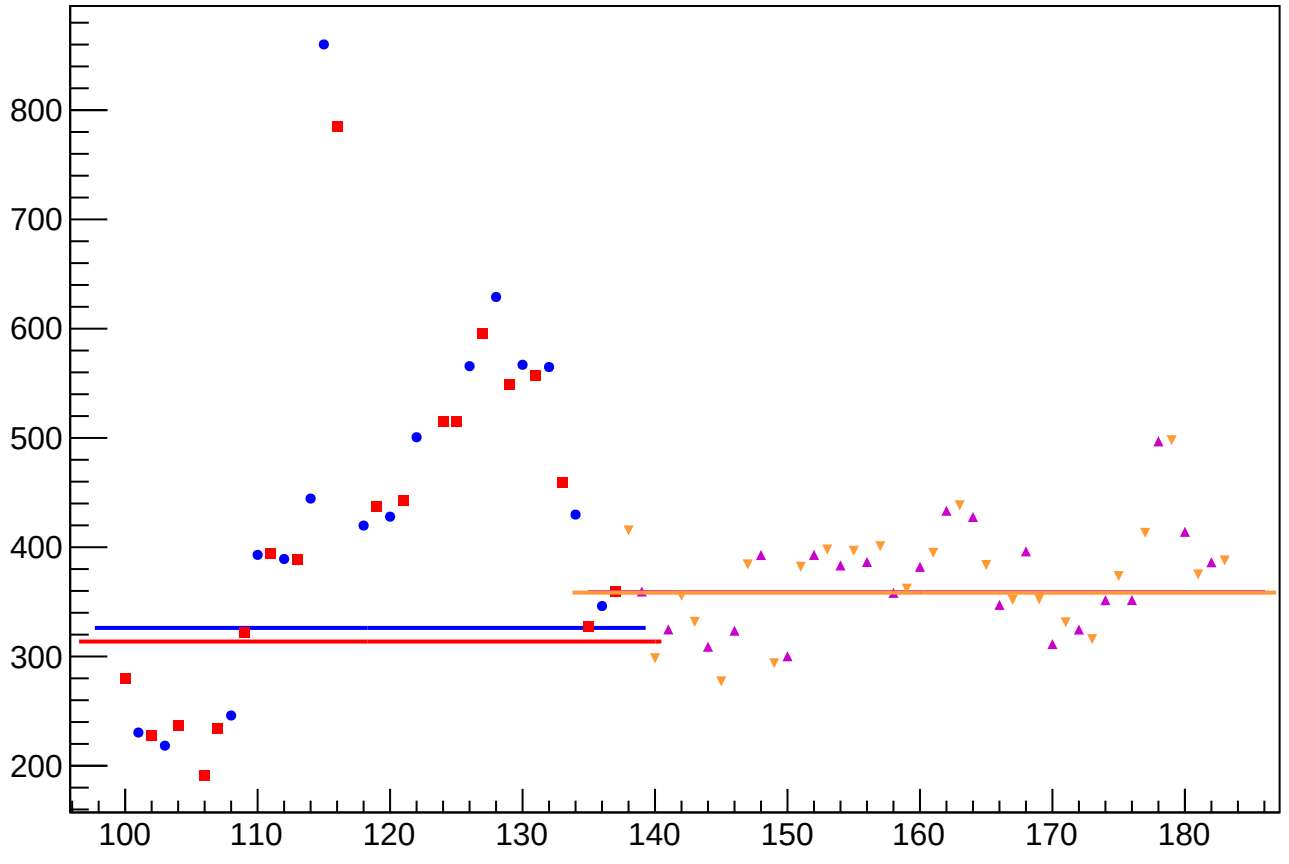
Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: 60.944+/-85.438 χ^2/NDF:26.1/21

+ sign 210.681+/-69.964 χ^2/NDF: 48.0/39

All: 164.021+/-49.531 χ^2/NDF: 90.8/80

- sign 117.137+/-70.132 χ^2/NDF: 41.9/40



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 358.480+/-0.059 χ^2/NDF:674505.6/23

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

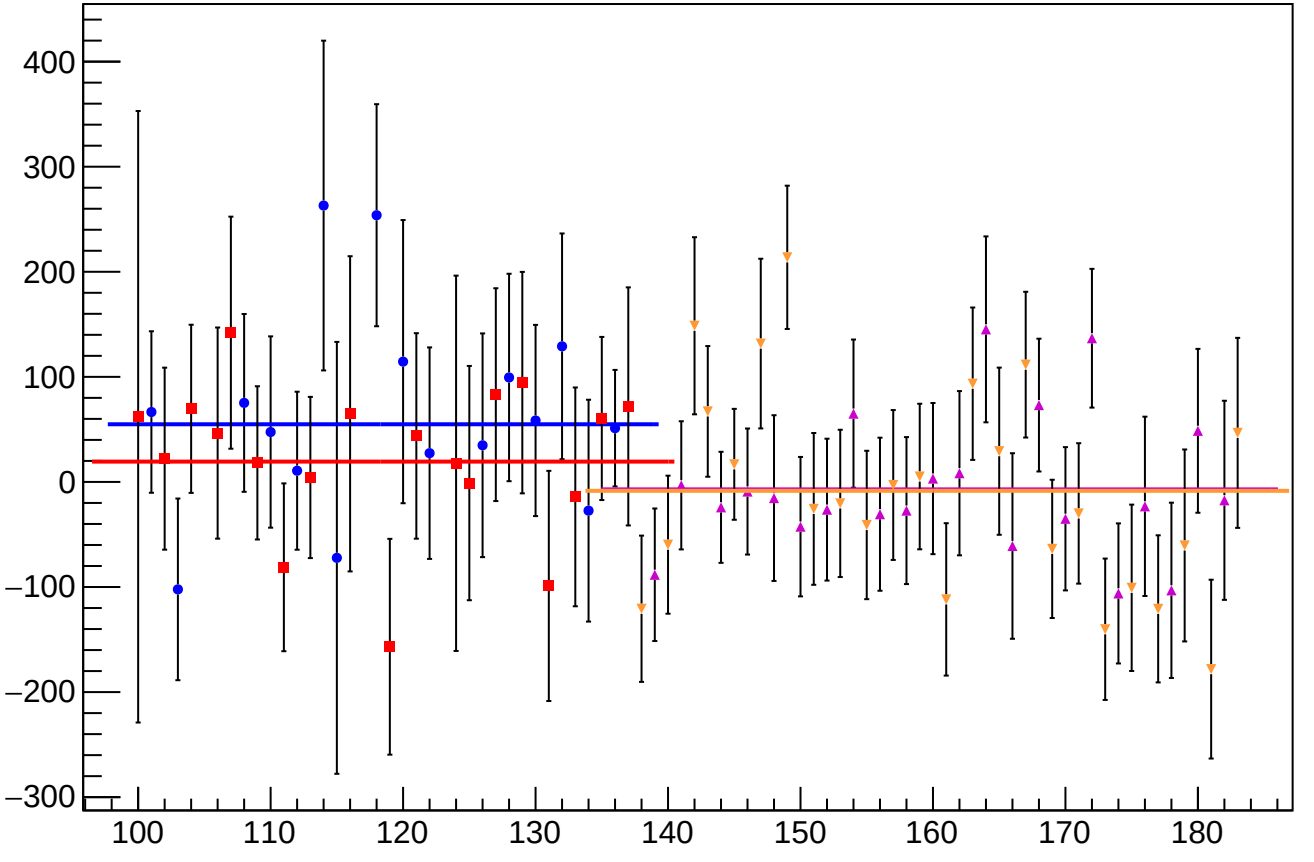
Left In: 358.901+/-0.060 χ^2/NDF:515810.9/21

+ sign 349.068+/-0.049 χ^2/NDF: 2496645.9/39

All: 346.613+/-0.035 χ^2/NDF: 4987572.8/80

- sign 344.147+/-0.050 χ^2/NDF: 2485990.9/40

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -8.452+/-14.537 χ^2/NDF:42.8/23

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

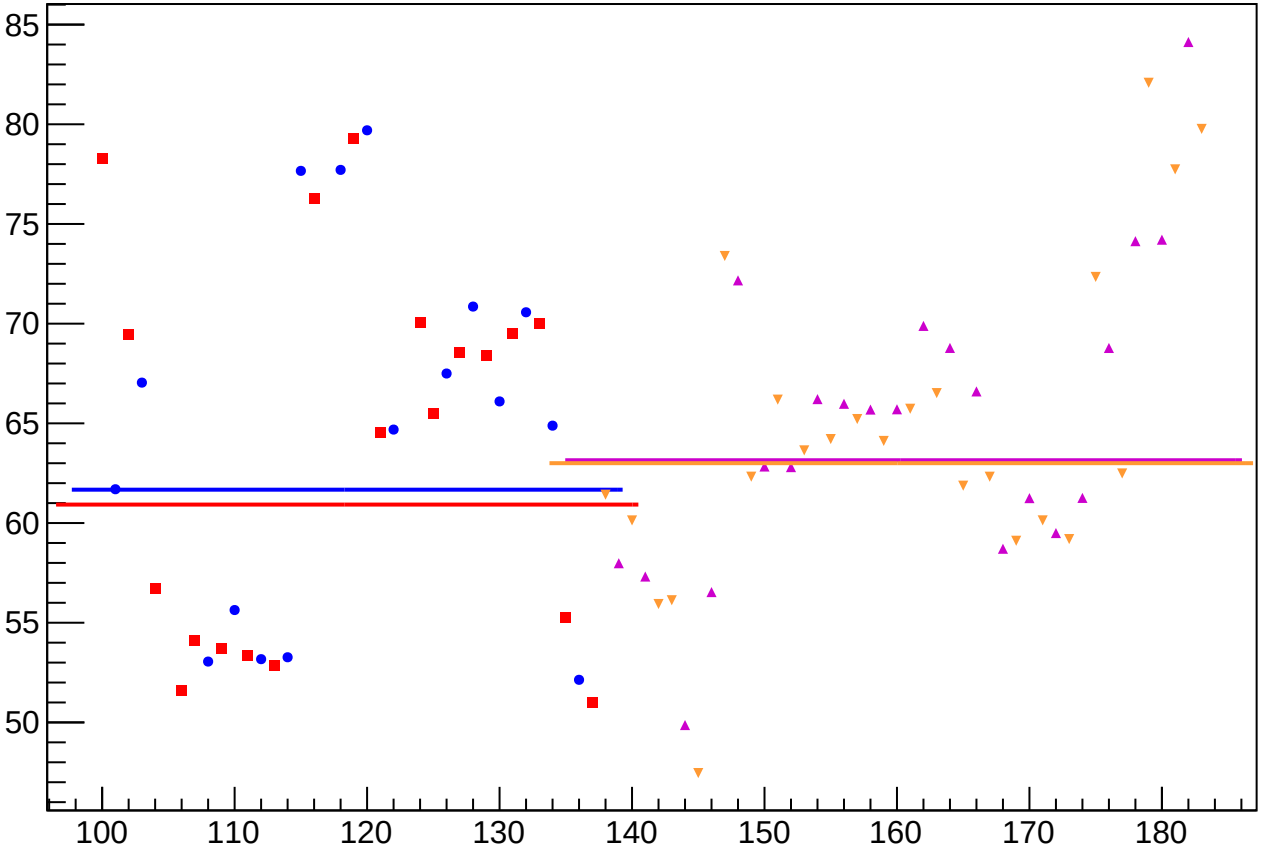
Left In: -7.075+/-14.994 χ^2/NDF:17.4/21

+ sign 9.425+/-12.315 χ^2/NDF: 59.2/39

All: 5.277+/-8.770 χ^2/NDF: 87.0/80

- sign 1.008+/-12.492 χ^2/NDF: 27.5/40

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 63.002+/-0.010 χ^2/NDF:526418.7/23

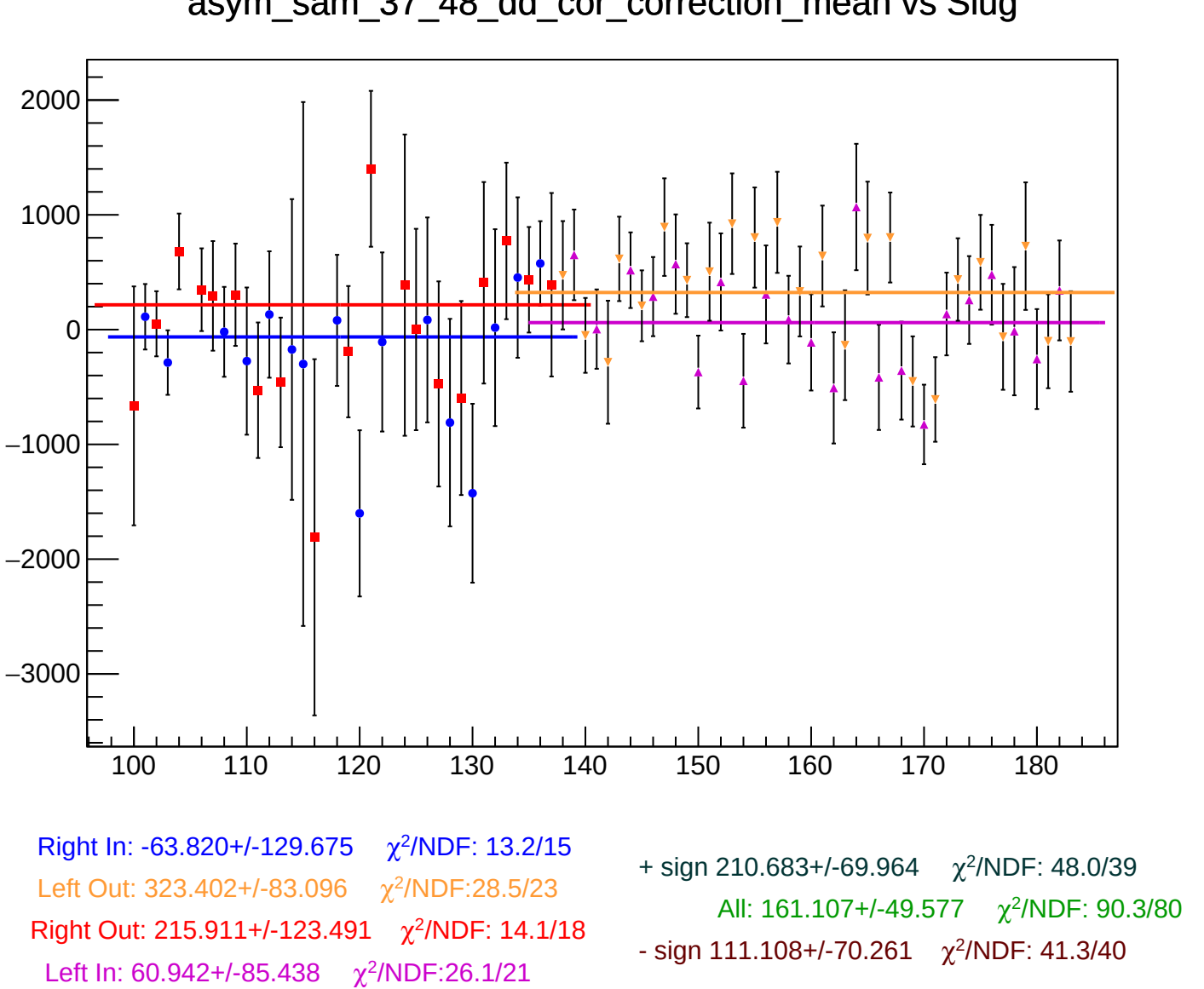
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

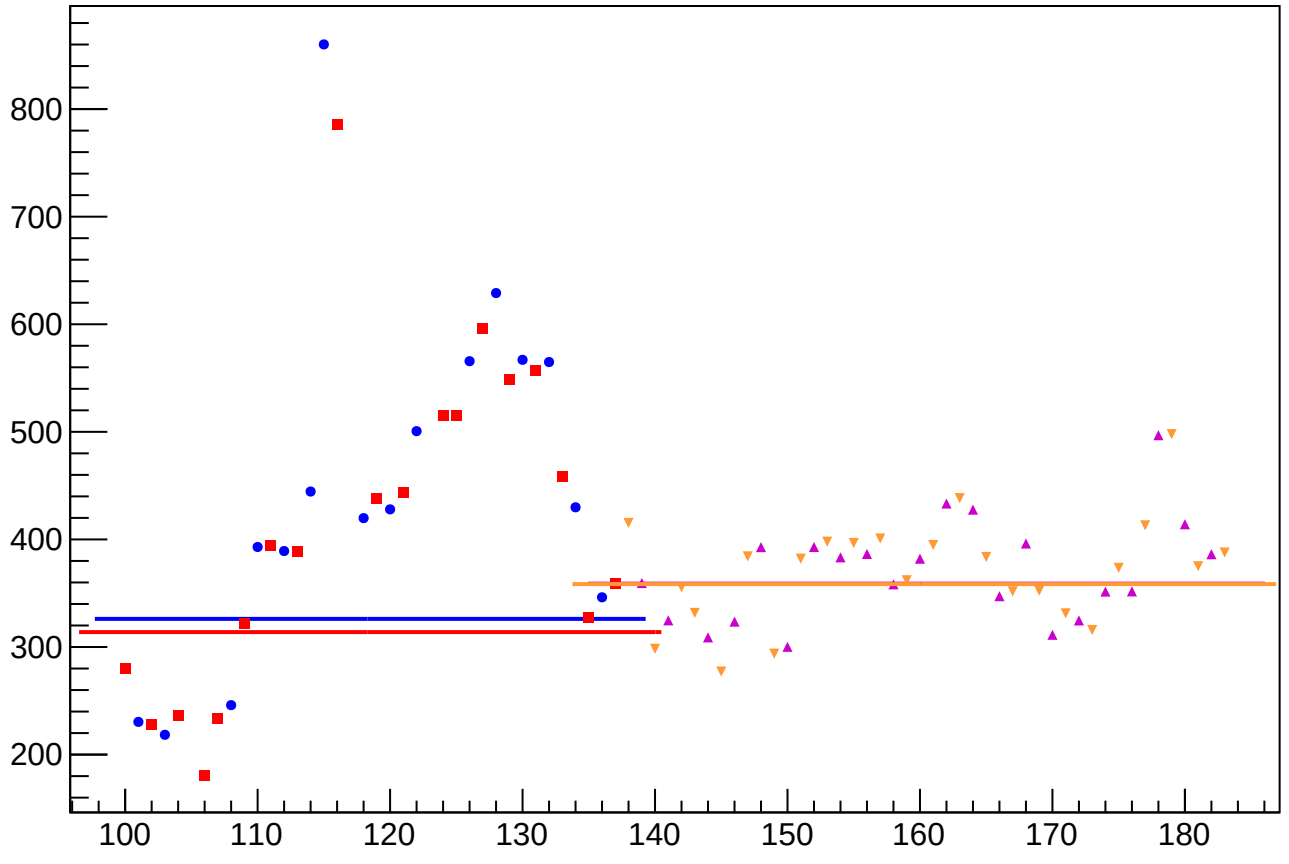
Left In: 63.149+/-0.011 χ^2/NDF:447519.6/21

+ sign 62.627+/-0.009 χ^2/NDF: 798247.2/39

All: 62.549+/-0.006 χ^2/NDF: 1546962.7/80

- sign 62.469+/-0.009 χ^2/NDF: 748553.9/40


asym_sam_37_48_dd_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 323.402+/-83.096 χ²/NDF:28.5/23
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 60.942+/-85.438 χ²/NDF:26.1/21
+ sign 210.683+/-69.964 χ²/NDF: 48.0/39
All: 161.107+/-49.577 χ²/NDF: 90.3/80
- sign 111.108+/-70.261 χ²/NDF: 41.3/40



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 358.480+/-0.059 χ^2/NDF:674502.3/23

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

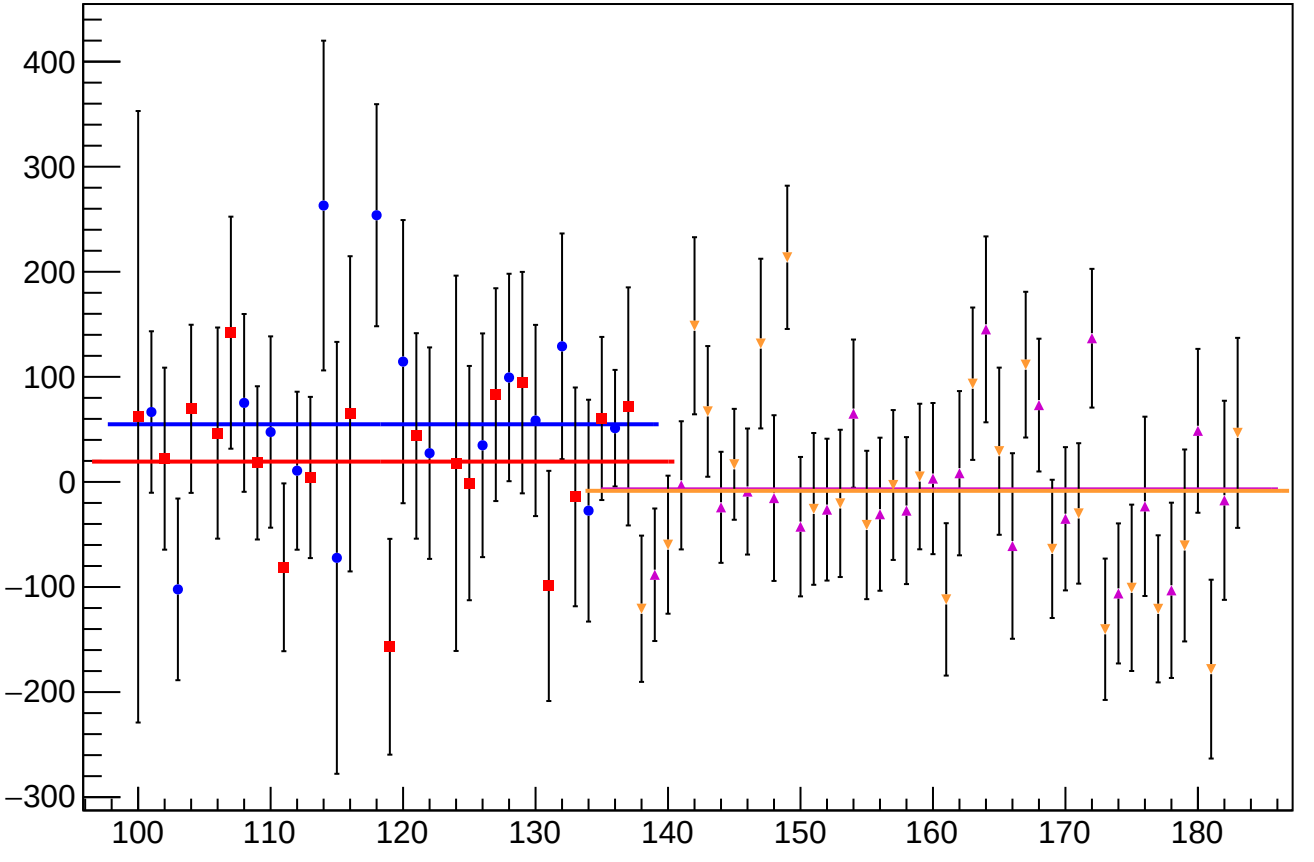
Left In: 358.901+/-0.060 χ^2/NDF:515813.3/21

+ sign 349.069+/-0.049 χ^2/NDF: 2496565.7/39

All: 346.705+/-0.035 χ^2/NDF: 5002667.9/80

- sign 344.321+/-0.050 χ^2/NDF: 2501515.8/40

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -8.452+/-14.537 χ^2/NDF:42.8/23

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

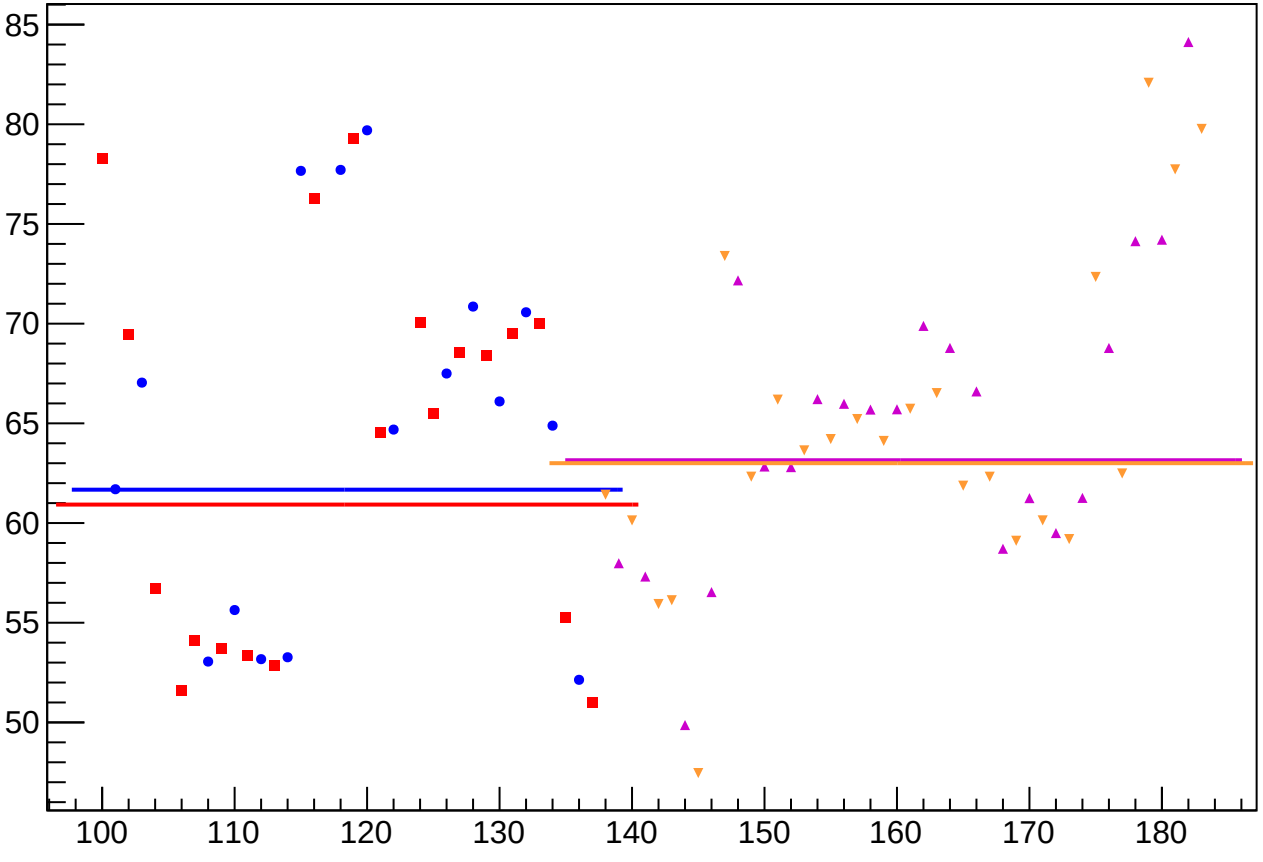
Left In: -7.075+/-14.994 χ^2/NDF:17.4/21

+ sign 9.425+/-12.315 χ^2/NDF: 59.2/39

All: 5.277+/-8.770 χ^2/NDF: 87.0/80

- sign 1.008+/-12.492 χ^2/NDF: 27.5/40

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 63.002+/-0.010 χ^2/NDF:526418.7/23

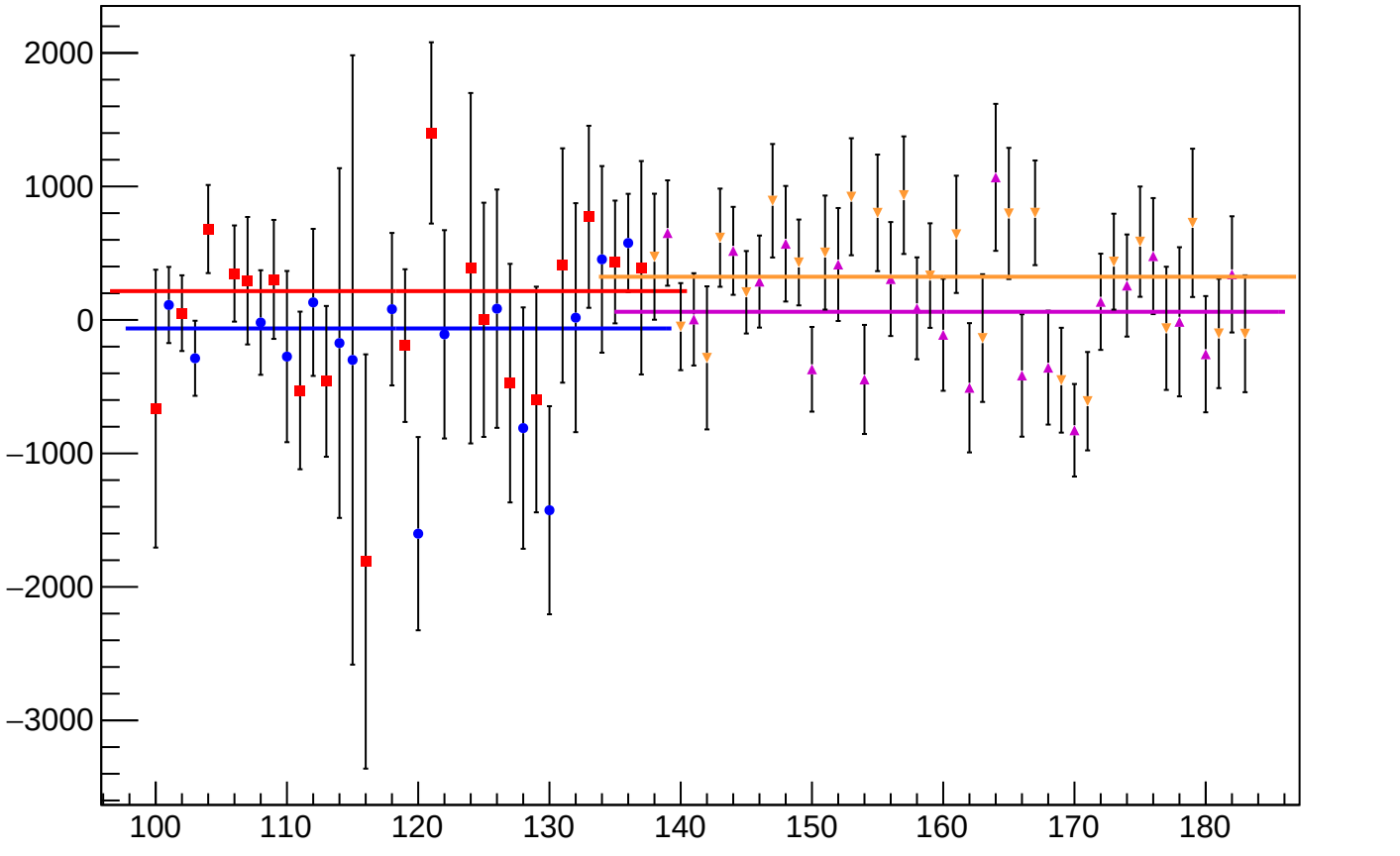
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 63.149+/-0.011 χ^2/NDF:447519.6/21

+ sign 62.627+/-0.009 χ^2/NDF: 798247.2/39

All: 62.549+/-0.006 χ^2/NDF: 1546962.7/80

- sign 62.469+/-0.009 χ^2/NDF: 748553.9/40



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 323.402+/-83.096 χ^2/NDF:28.5/23

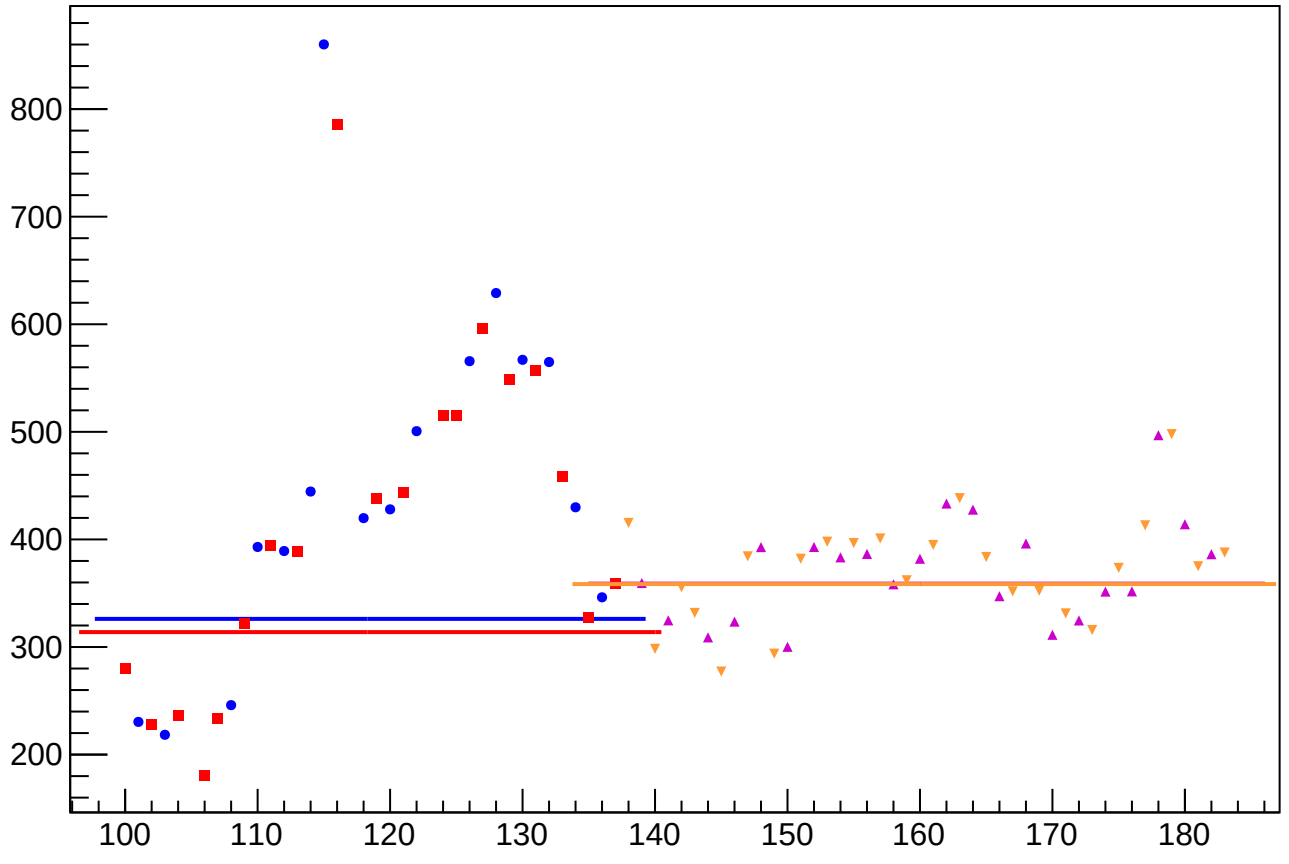
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 60.942+/-85.438 χ^2/NDF:26.1/21

+ sign 210.683+/-69.964 χ^2/NDF: 48.0/39

All: 161.107+/-49.577 χ^2/NDF: 90.3/80

- sign 111.108+/-70.261 χ^2/NDF: 41.3/40



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 358.480+/-0.059 χ^2/NDF:674502.3/23

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

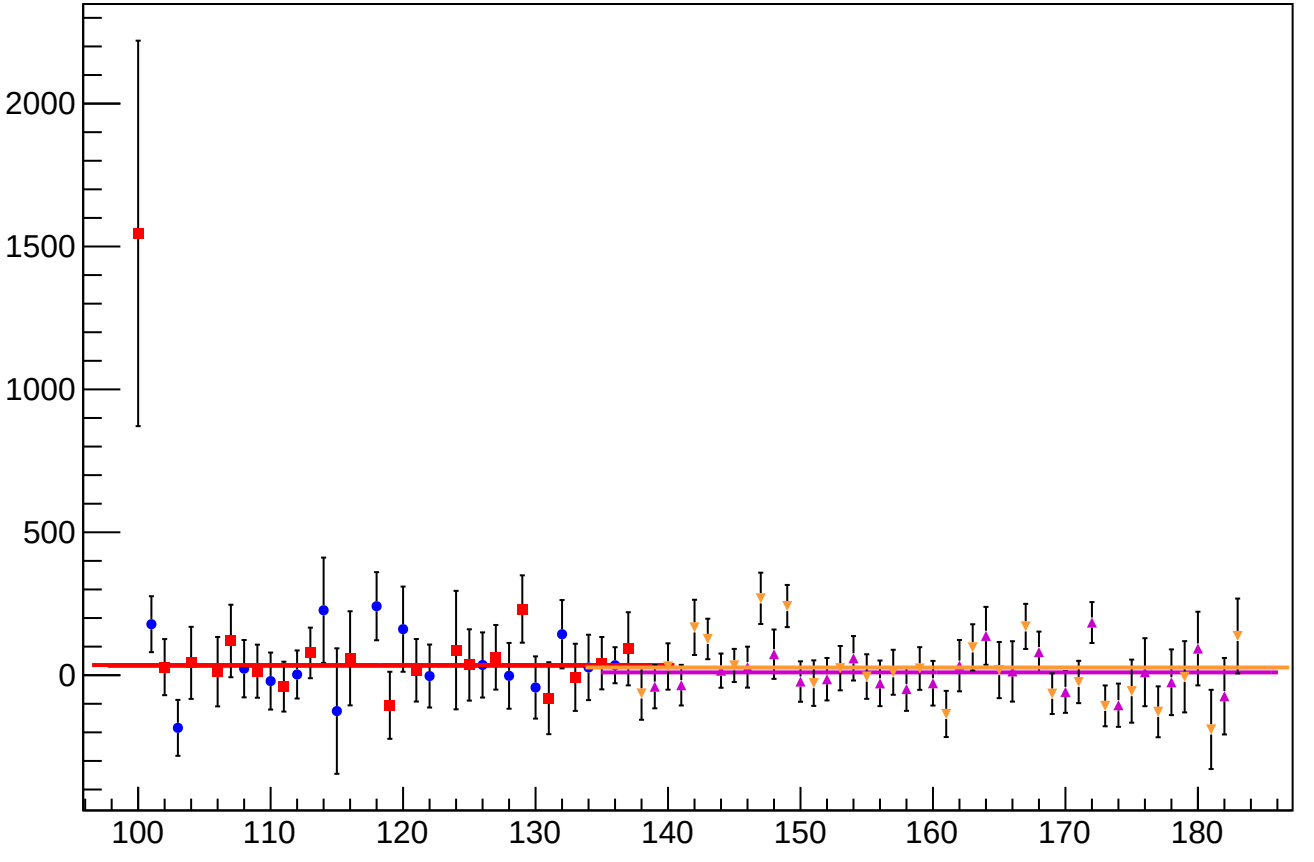
Left In: 358.901+/-0.060 χ^2/NDF:515813.3/21

+ sign 349.069+/-0.049 χ^2/NDF: 2496565.7/39

All: 346.705+/-0.035 χ^2/NDF: 5002667.9/80

- sign 344.321+/-0.050 χ^2/NDF: 2501515.8/40

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 26.949+/-16.806 χ^2/NDF:42.1/23

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

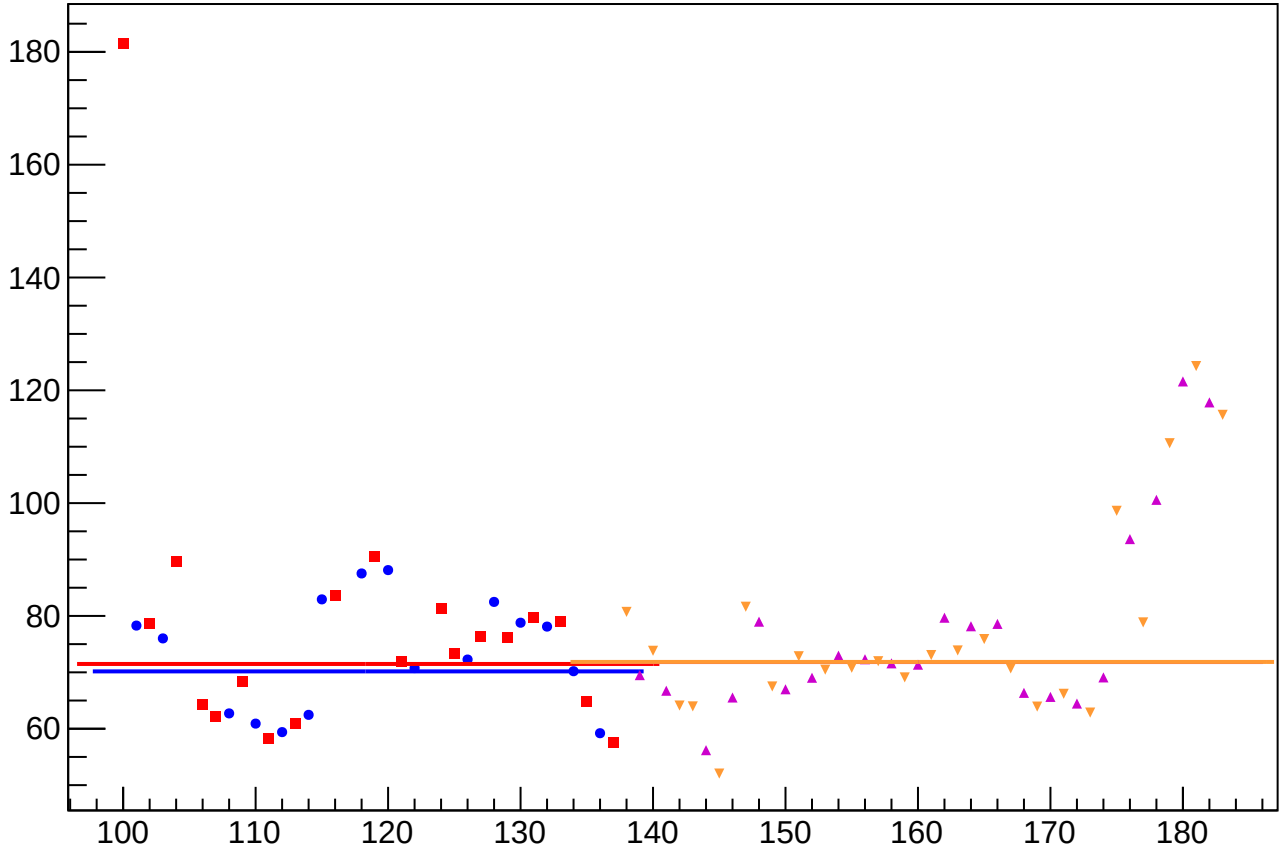
Left In: 9.832+/-17.293 χ^2/NDF:15.9/21

+ sign 28.807+/-14.180 χ^2/NDF: 56.7/39

All: 23.278+/-10.134 χ^2/NDF: 85.7/80

- sign 17.506+/-14.488 χ^2/NDF: 28.6/40

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 71.844+/-0.012 χ^2/NDF:1233373.5/23

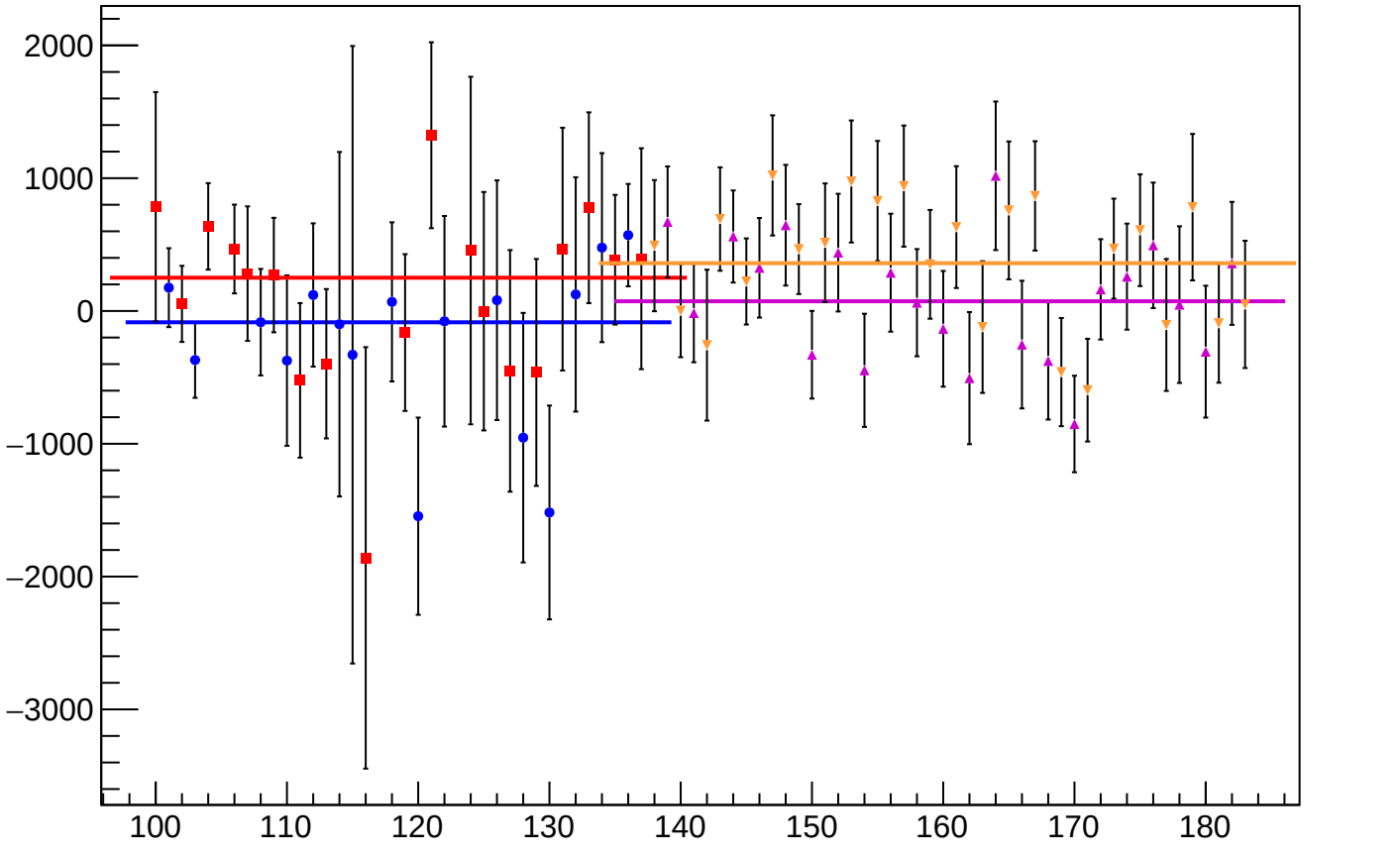
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 71.825+/-0.012 χ^2/NDF:998112.7/21

+ sign 71.361+/-0.010 χ^2/NDF: 1508357.5/39

All: 71.538+/-0.007 χ^2/NDF: 2833058.0/80

- sign 71.723+/-0.010 χ^2/NDF: 1324060.9/40



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 360.023+/-87.383 χ^2/NDF:26.9/23

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

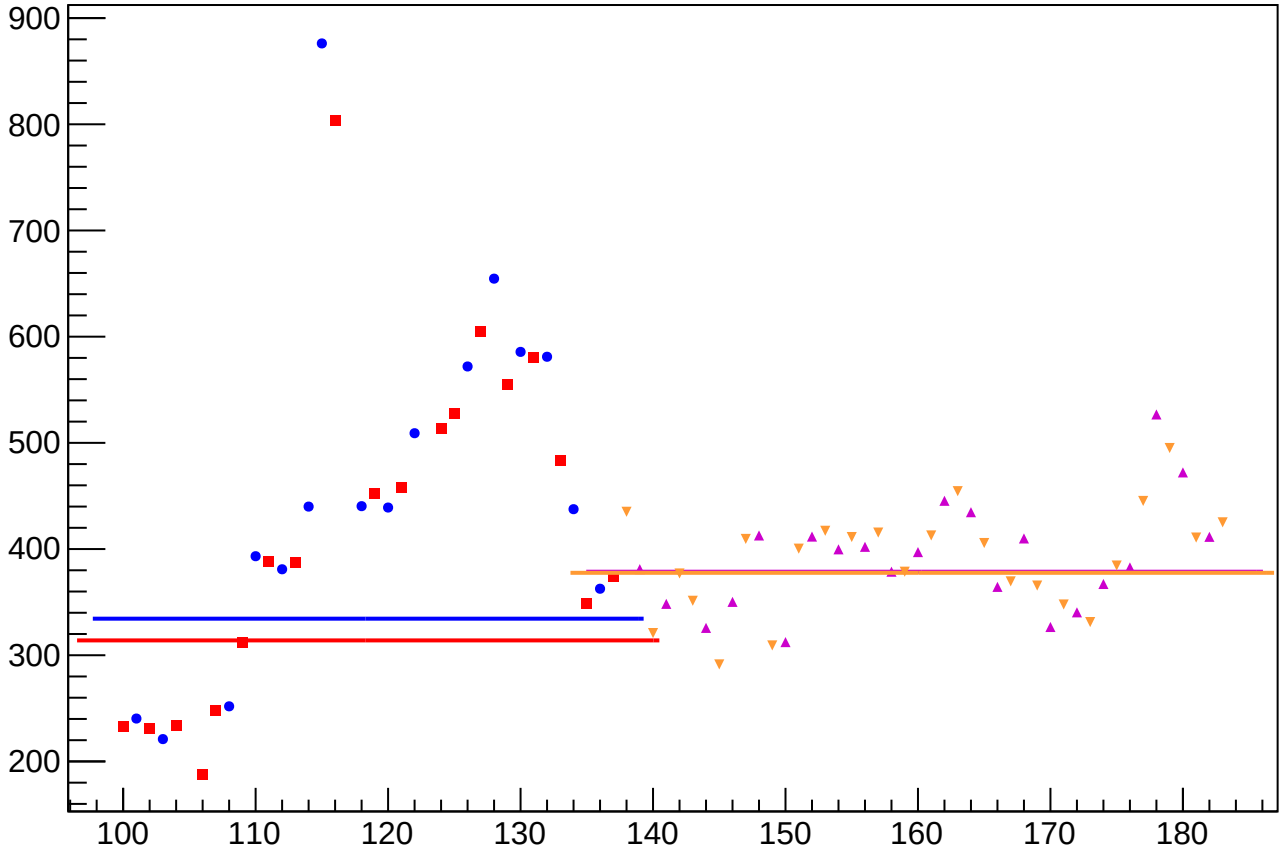
Left In: 73.184+/-90.111 χ^2/NDF:24.4/21

\+ sign 225.613+/-73.010 χ^2/NDF: 48.5/39

All: 180.094+/-51.535 χ^2/NDF: 87.5/80

\- sign 134.896+/-72.753 χ^2/NDF: 38.3/40

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 377.628+/-0.062 χ^2/NDF:636133.5/23

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

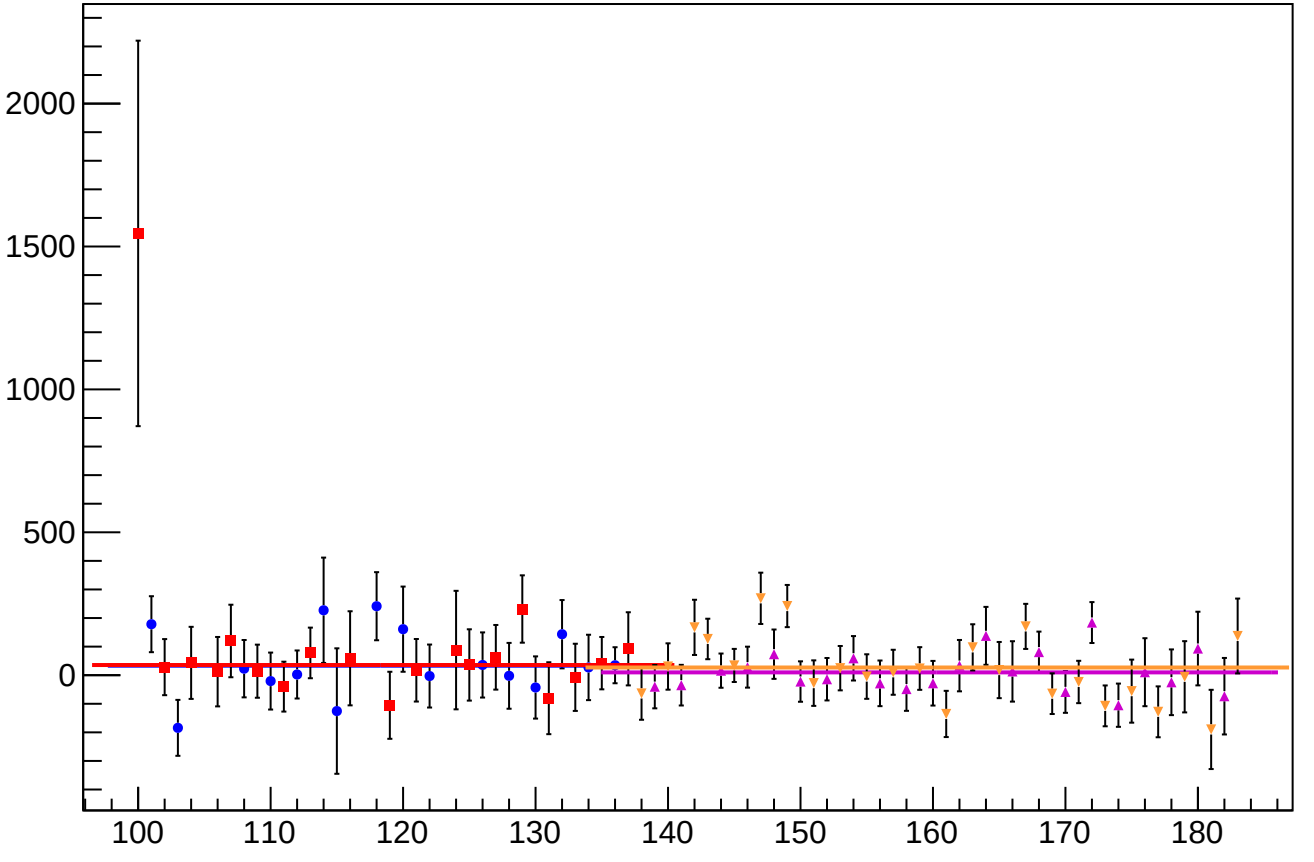
Left In: 378.663+/-0.064 χ^2/NDF:527008.0/21

+ sign 364.587+/-0.052 χ^2/NDF: 2514300.5/39

All: 360.349+/-0.036 χ^2/NDF: 5318216.6/80

- sign 356.141+/-0.051 χ^2/NDF: 2790485.9/40

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 26.948+/-16.806 χ^2/NDF:42.1/23

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

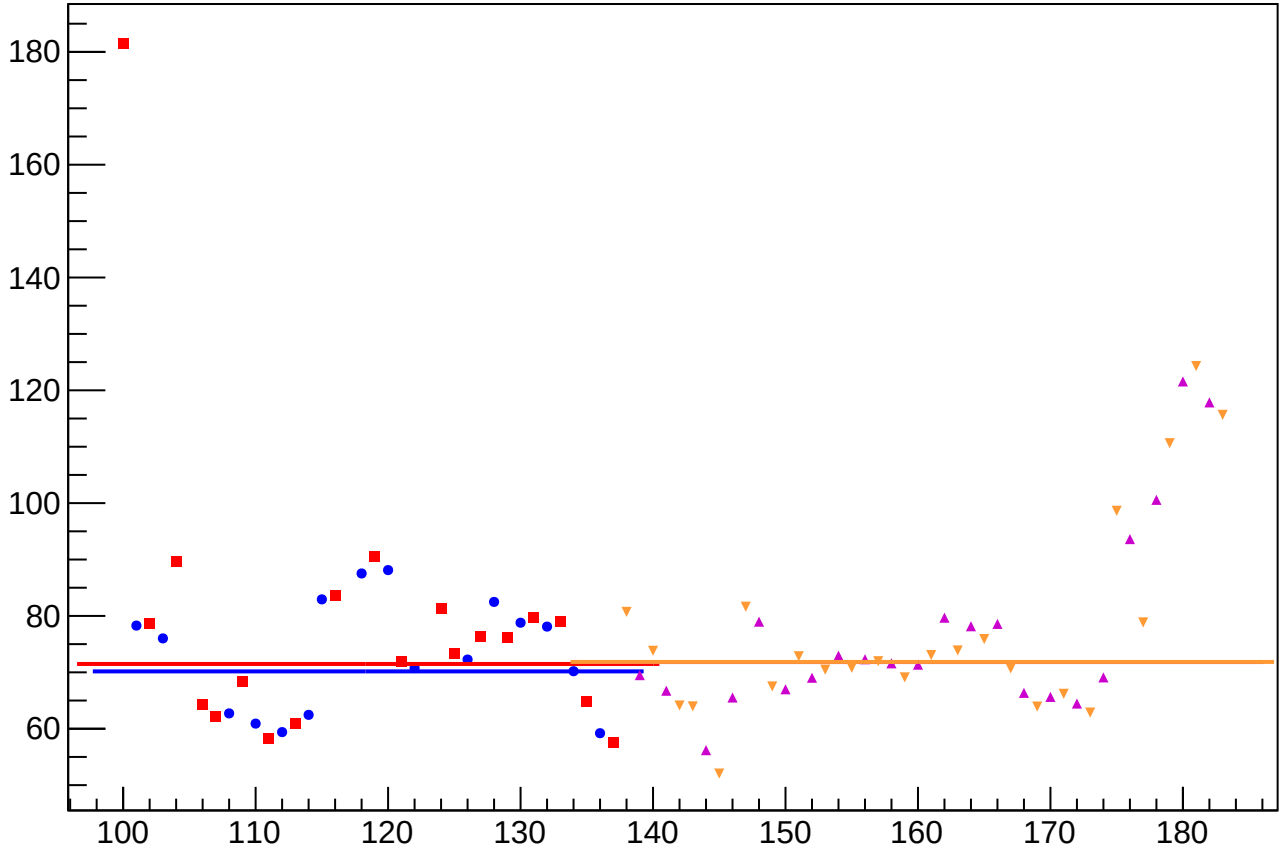
Left In: 9.832+/-17.293 χ^2/NDF:15.9/21

+ sign 28.806+/-14.180 χ^2/NDF: 56.7/39

All: 23.278+/-10.134 χ^2/NDF: 85.7/80

- sign 17.506+/-14.488 χ^2/NDF: 28.6/40

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 71.844+/-0.012 χ^2/NDF:1233381.7/23

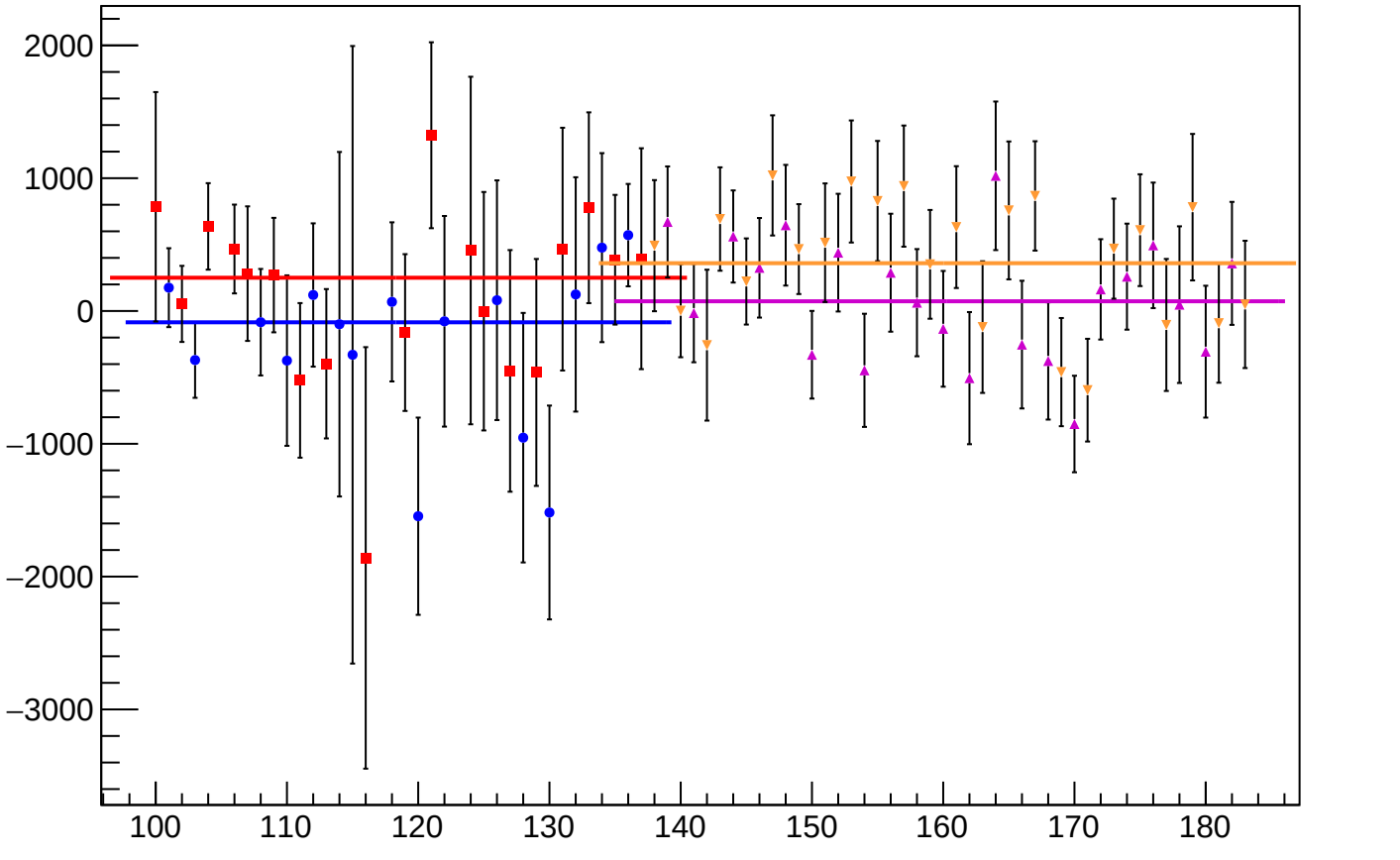
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 71.825+/-0.012 χ^2/NDF:998102.4/21

+ sign 71.361+/-0.010 χ^2/NDF: 1508367.8/39

All: 71.538+/-0.007 χ^2/NDF: 2833064.2/80

- sign 71.723+/-0.010 χ^2/NDF: 1324056.9/40



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 360.021+/-87.383 χ^2/NDF:26.9/23

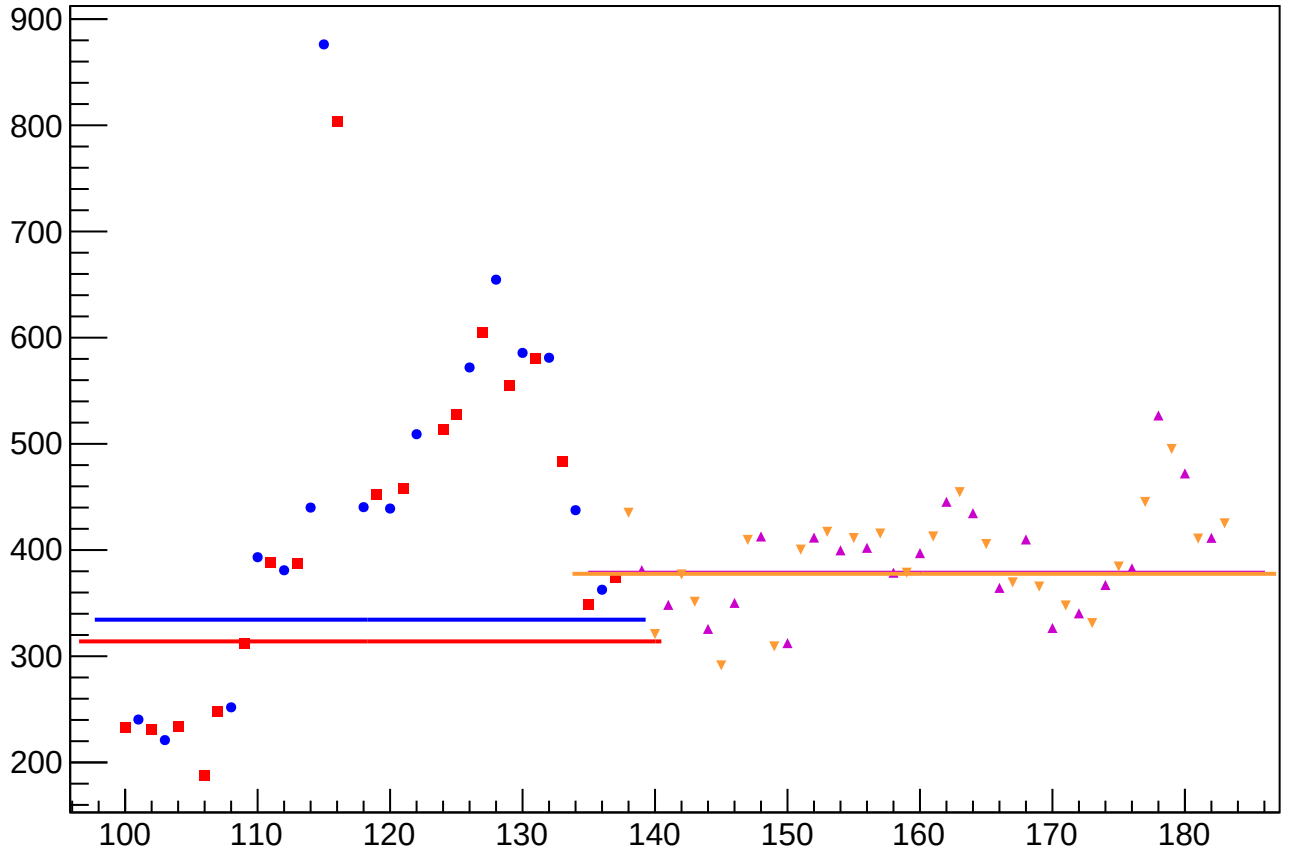
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 73.184+/-90.111 χ^2/NDF:24.4/21

+ sign 225.612+/-73.010 χ^2/NDF: 48.5/39

All: 180.094+/-51.535 χ^2/NDF: 87.5/80

- sign 134.895+/-72.753 χ^2/NDF: 38.3/40



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 377.628+/-0.062 χ^2/NDF:636133.6/23

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

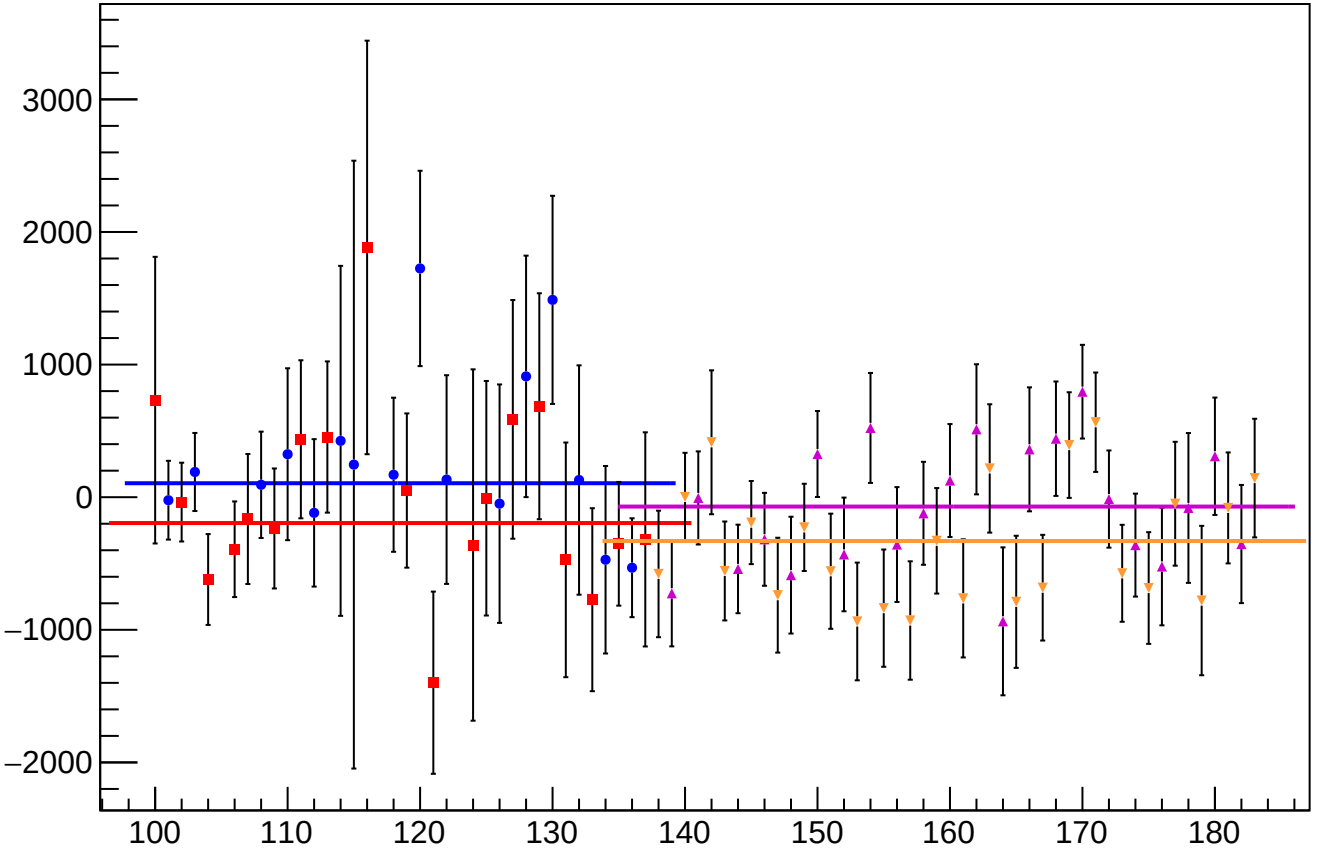
Left In: 378.663+/-0.064 χ^2/NDF:527003.8/21

+ sign 364.587+/-0.052 χ^2/NDF: 2514295.9/39

All: 360.349+/-0.036 χ^2/NDF: 5318203.6/80

- sign 356.140+/-0.051 χ^2/NDF: 2790477.5/40

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -330.290+/-84.449 χ^2/NDF:26.4/23

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

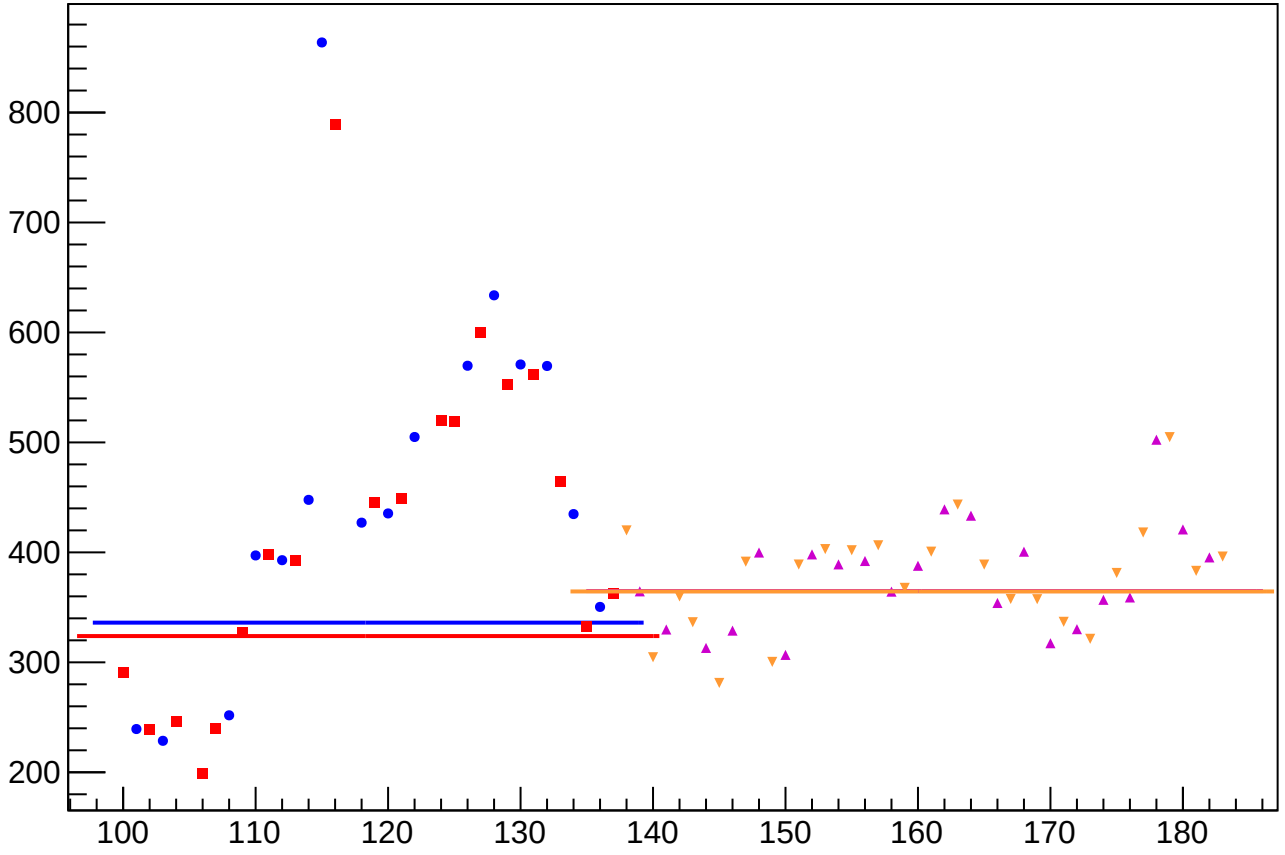
Left In: -70.657+/-86.823 χ^2/NDF:26.3/21

\+ sign -205.169+/-71.299 χ^2/NDF: 47.1/39

All: -157.993+/-50.497 χ^2/NDF: 88.1/80

\- sign -110.512+/-71.530 χ^2/NDF: 40.1/40

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 364.461+/-0.060 χ^2/NDF:660324.5/23

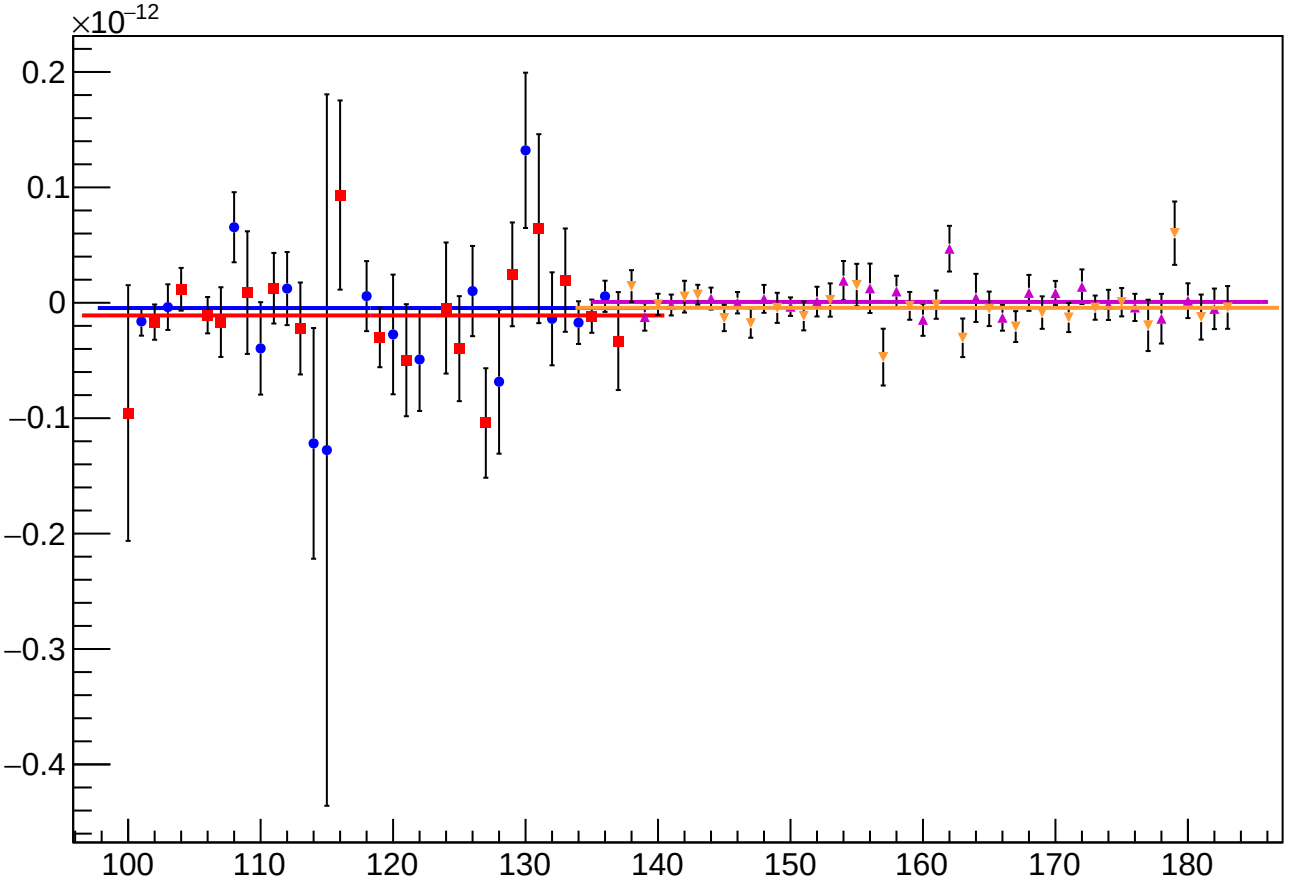
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 364.827+/-0.061 χ^2/NDF:504718.3/21

+ sign 356.314+/-0.050 χ^2/NDF: 2344137.7/39

All: 354.001+/-0.036 χ^2/NDF: 4661369.1/80

- sign 351.674+/-0.051 χ^2/NDF: 2313009.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

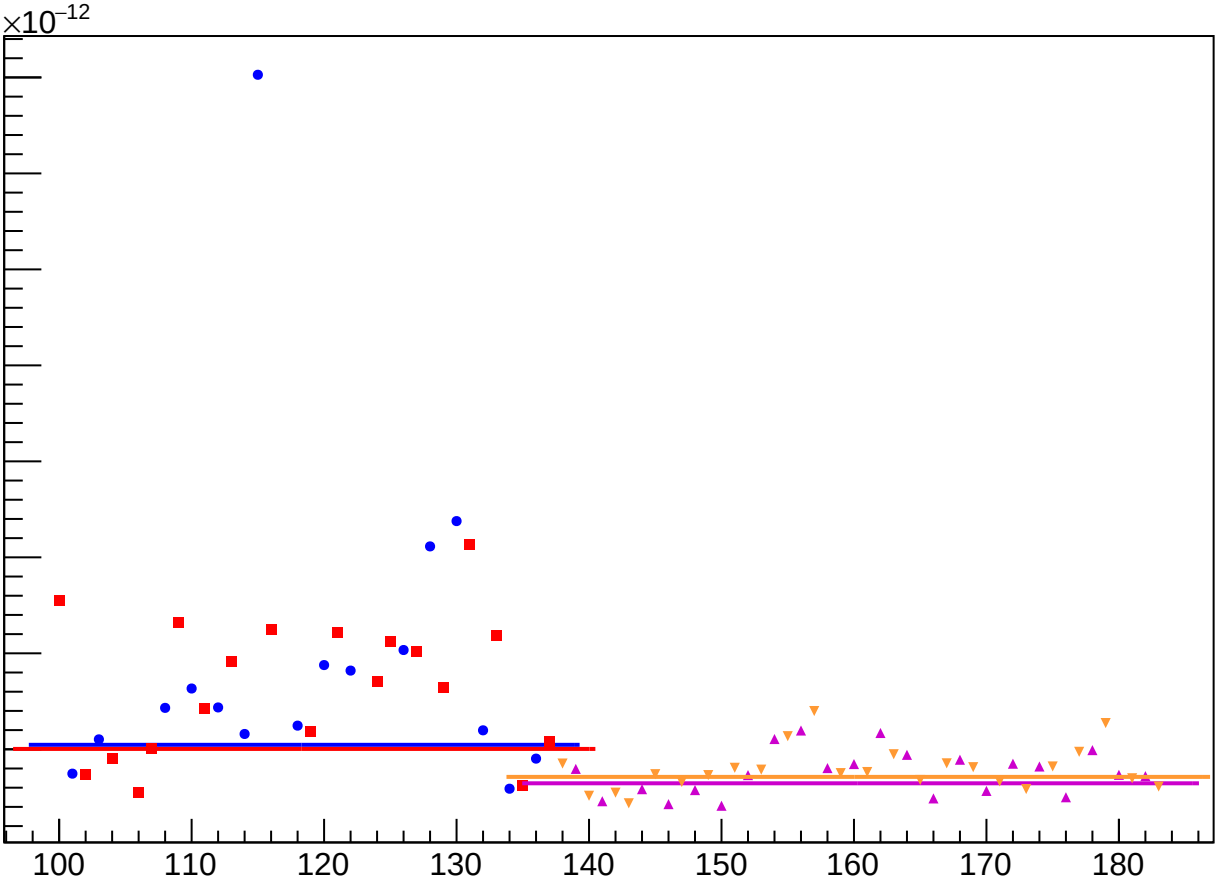
Left In: 0.000+/-0.000 χ^2/NDF:14.1/21

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/39

All: -0.000+/-0.000 χ^2/NDF: 68.3/80

- sign -0.000+/-0.000 χ^2/NDF: 29.3/40

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:872276.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

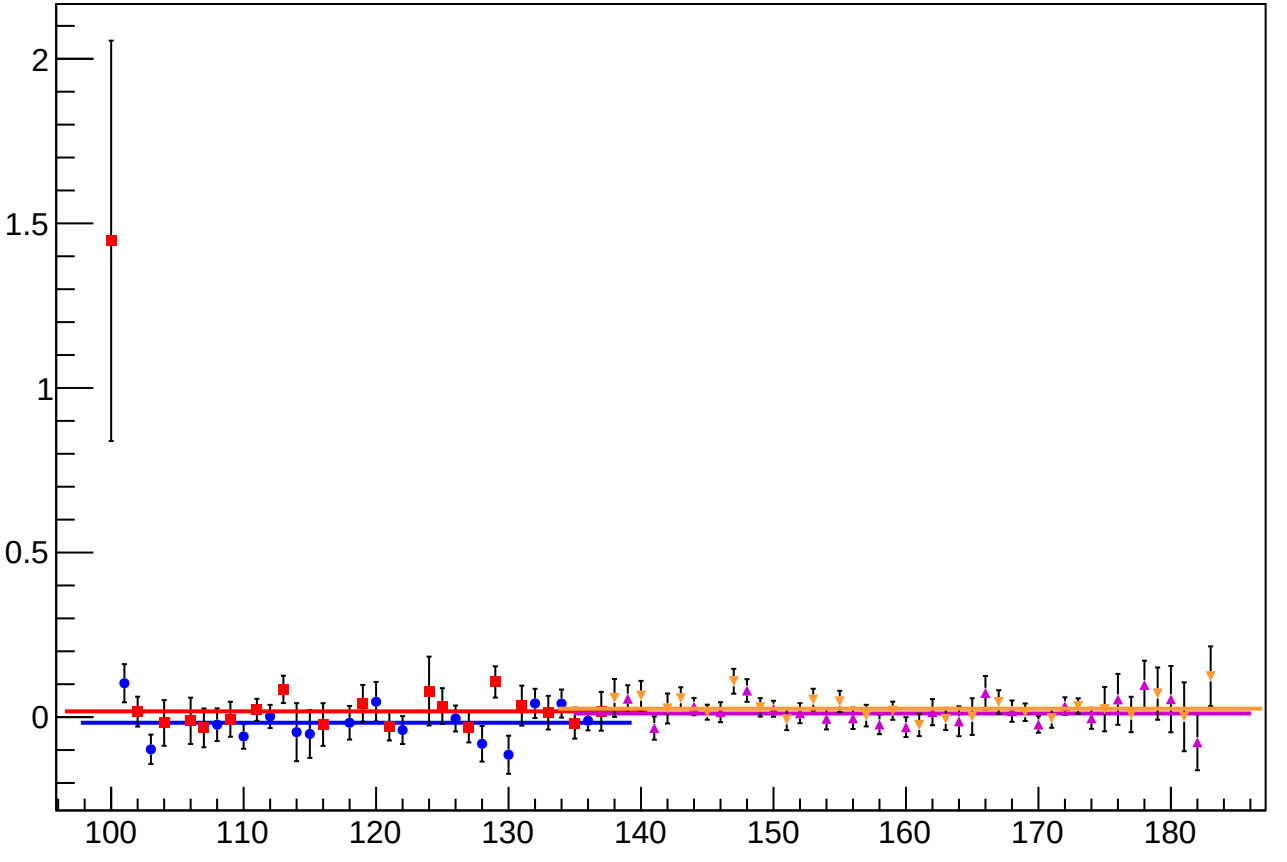
Left In: 0.000+/-0.000 χ^2/NDF:1215073.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 2512064.9/39

All: 0.000+/-0.000 χ^2/NDF: 5740958.7/80

- sign 0.000+/-0.000 χ^2/NDF: 3161912.4/40

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

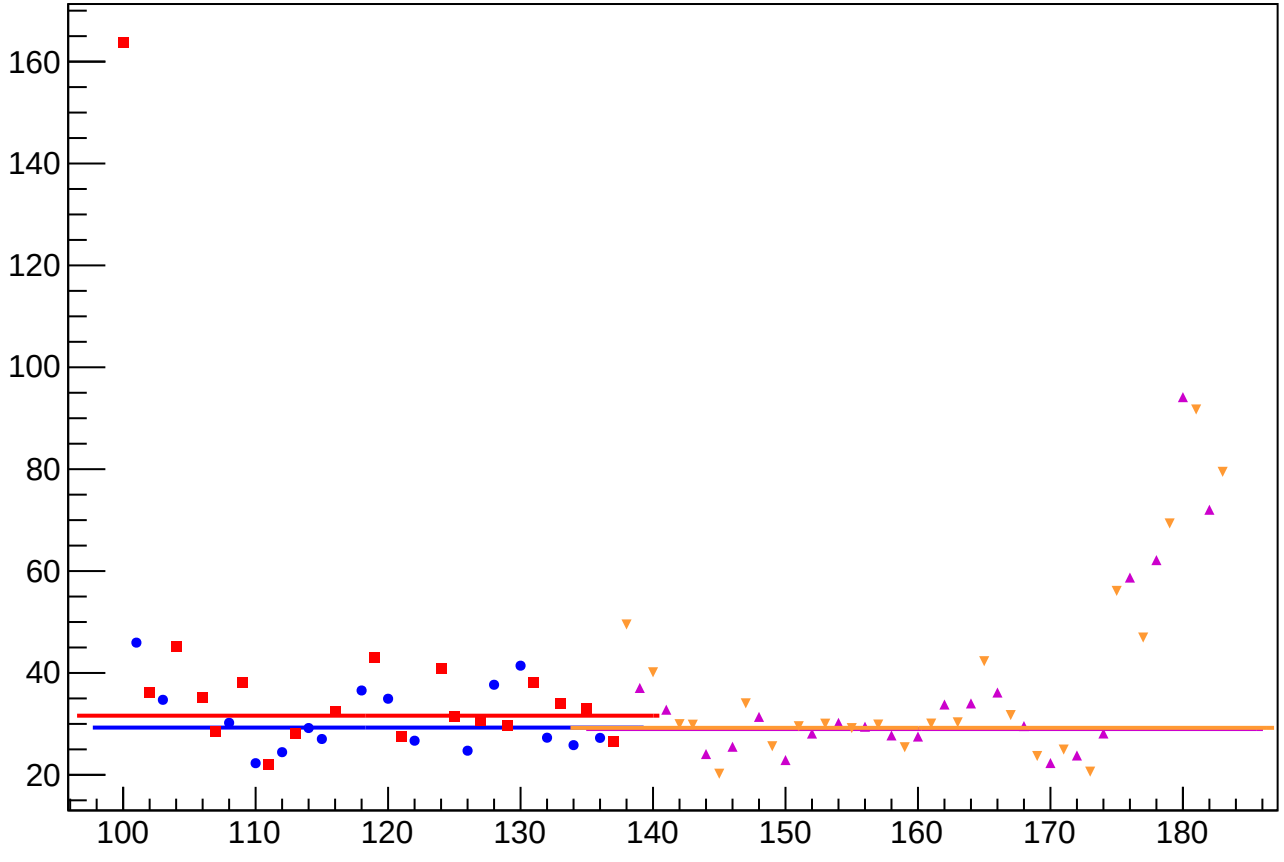
Left In: 0.011+/-0.007 χ^2/NDF:18.9/21

+ sign 0.013+/-0.006 χ^2/NDF: 45.2/39

All: 0.013+/-0.004 χ^2/NDF: 81.1/80

- sign 0.013+/-0.006 χ^2/NDF: 35.9/40

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.226+/-0.005 χ^2/NDF:3678639.8/23

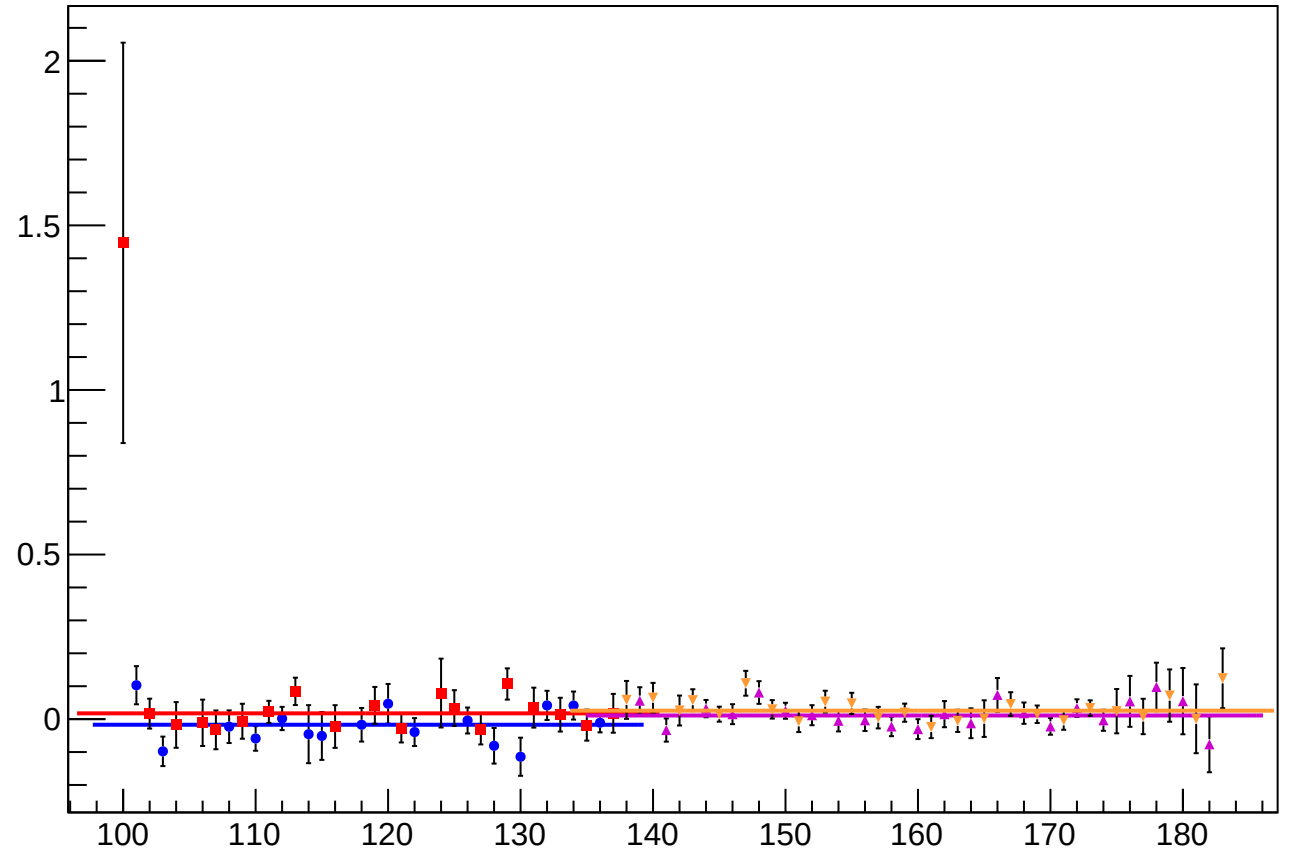
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.991+/-0.005 χ^2/NDF:2707905.0/21

+ sign 29.241+/-0.004 χ^2/NDF: 4239324.6/39

All: 29.460+/-0.003 χ^2/NDF: 7593567.4/80

- sign 29.693+/-0.004 χ^2/NDF: 3348875.7/40



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

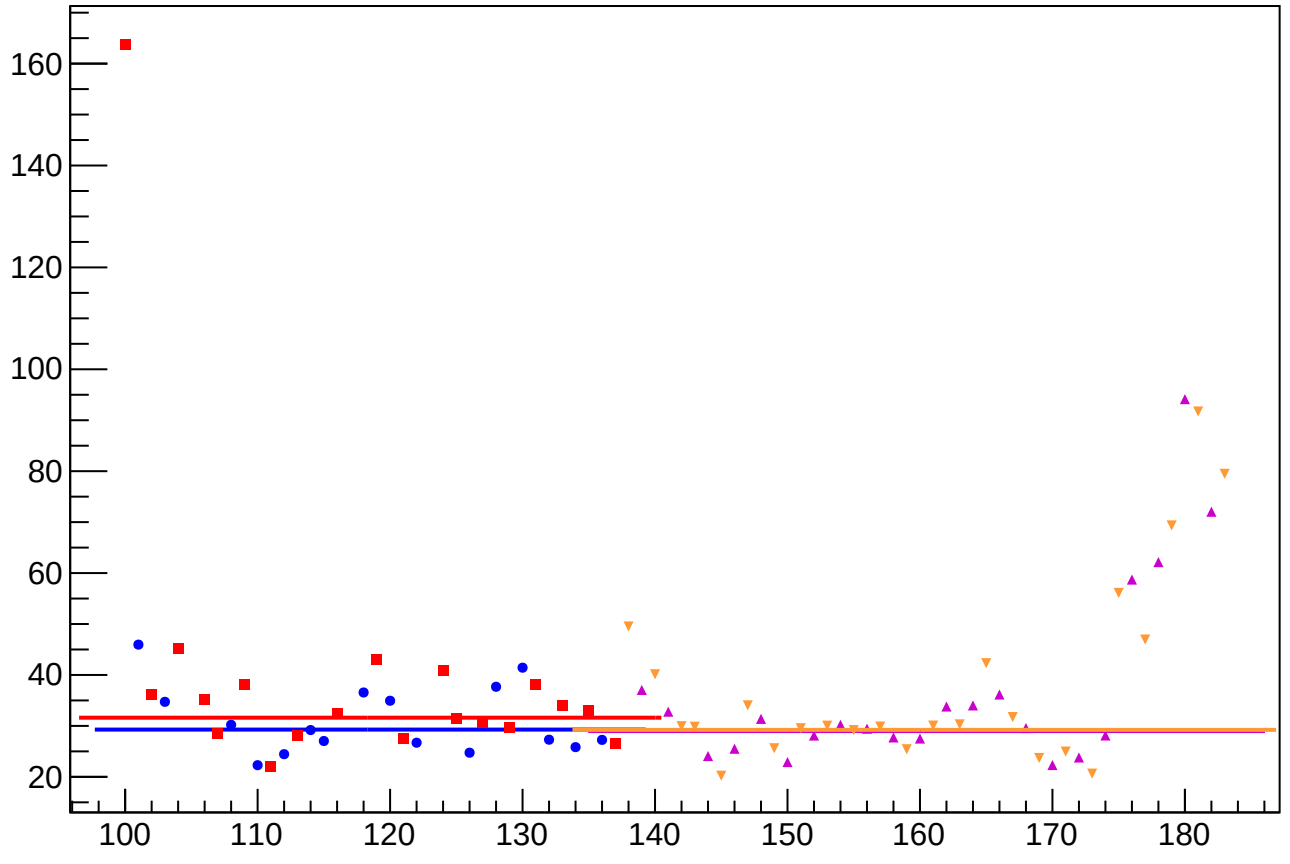
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:18.9/21

+ sign 0.013+/-0.006 χ^2/NDF: 45.2/39

All: 0.013+/-0.004 χ^2/NDF: 81.1/80

- sign 0.013+/-0.006 χ^2/NDF: 35.9/40



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.226+/-0.005 χ^2/NDF:3678639.8/23

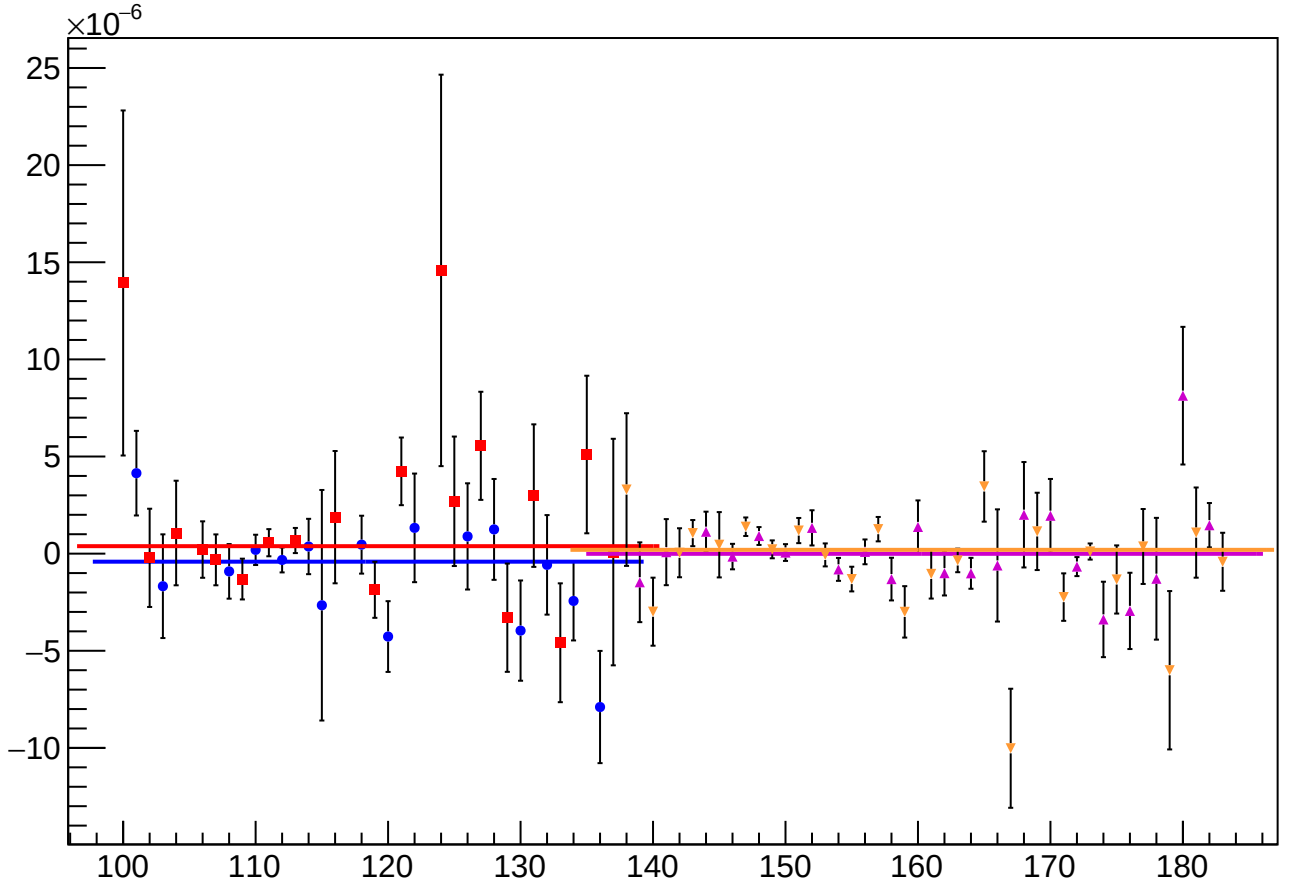
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.991+/-0.005 χ^2/NDF:2707905.0/21

+ sign 29.241+/-0.004 χ^2/NDF: 4239324.6/39

All: 29.460+/-0.003 χ^2/NDF: 7593567.4/80

- sign 29.693+/-0.004 χ^2/NDF: 3348875.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.4/23

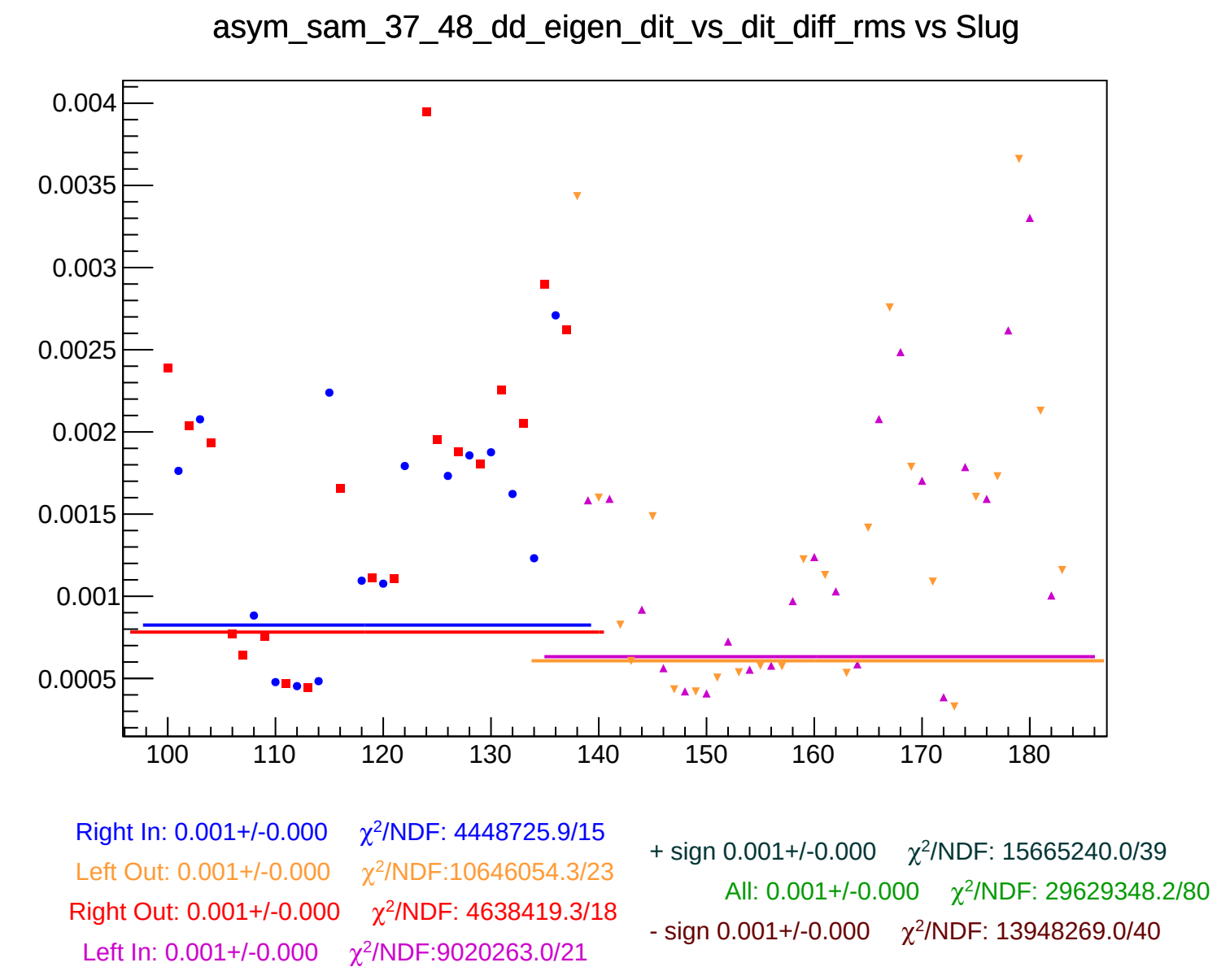
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

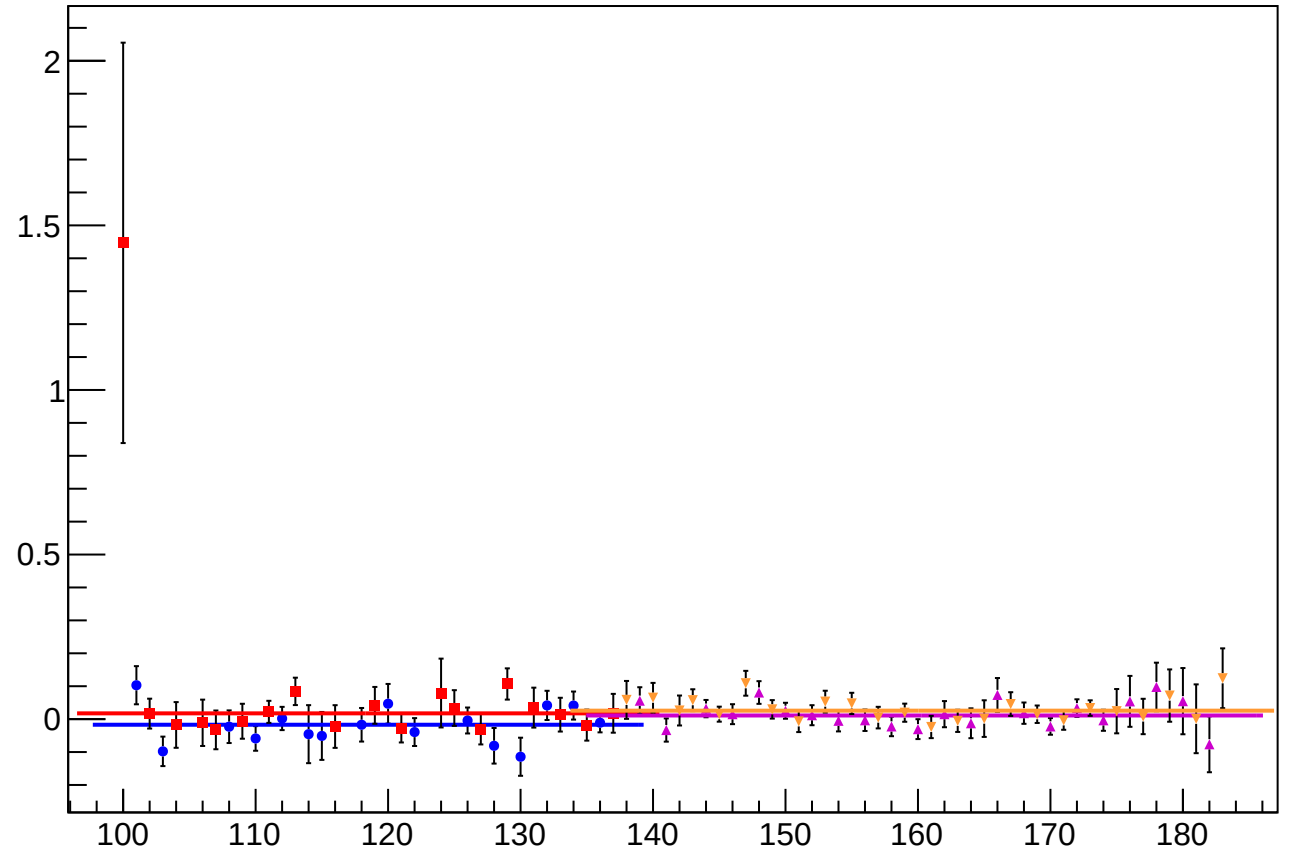
Left In: -0.000+/-0.000 χ^2/NDF:30.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 75.9/39

All: 0.000+/-0.000 χ^2/NDF: 132.6/80

- sign 0.000+/-0.000 χ^2/NDF: 56.7/40


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:10646054.3/23
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:9020263.0/21
+ sign 0.001+/-0.000 χ²/NDF: 15665240.0/39
All: 0.001+/-0.000 χ²/NDF: 29629348.2/80
- sign 0.001+/-0.000 χ²/NDF: 13948269.0/40



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

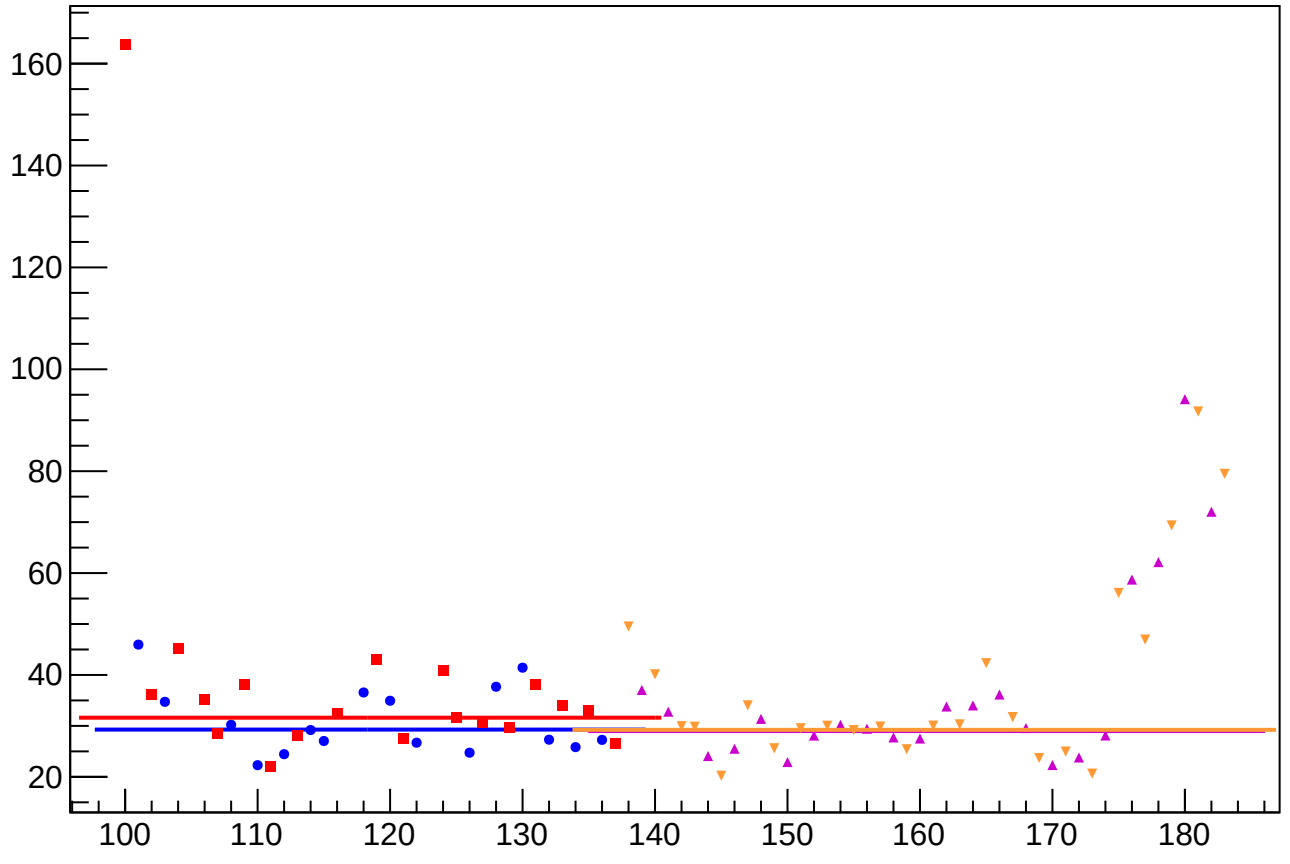
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:18.9/21

+ sign 0.013+/-0.006 χ^2/NDF: 45.2/39

All: 0.013+/-0.004 χ^2/NDF: 81.1/80

- sign 0.013+/-0.006 χ^2/NDF: 35.9/40



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.226+/-0.005 χ^2/NDF:3678704.7/23

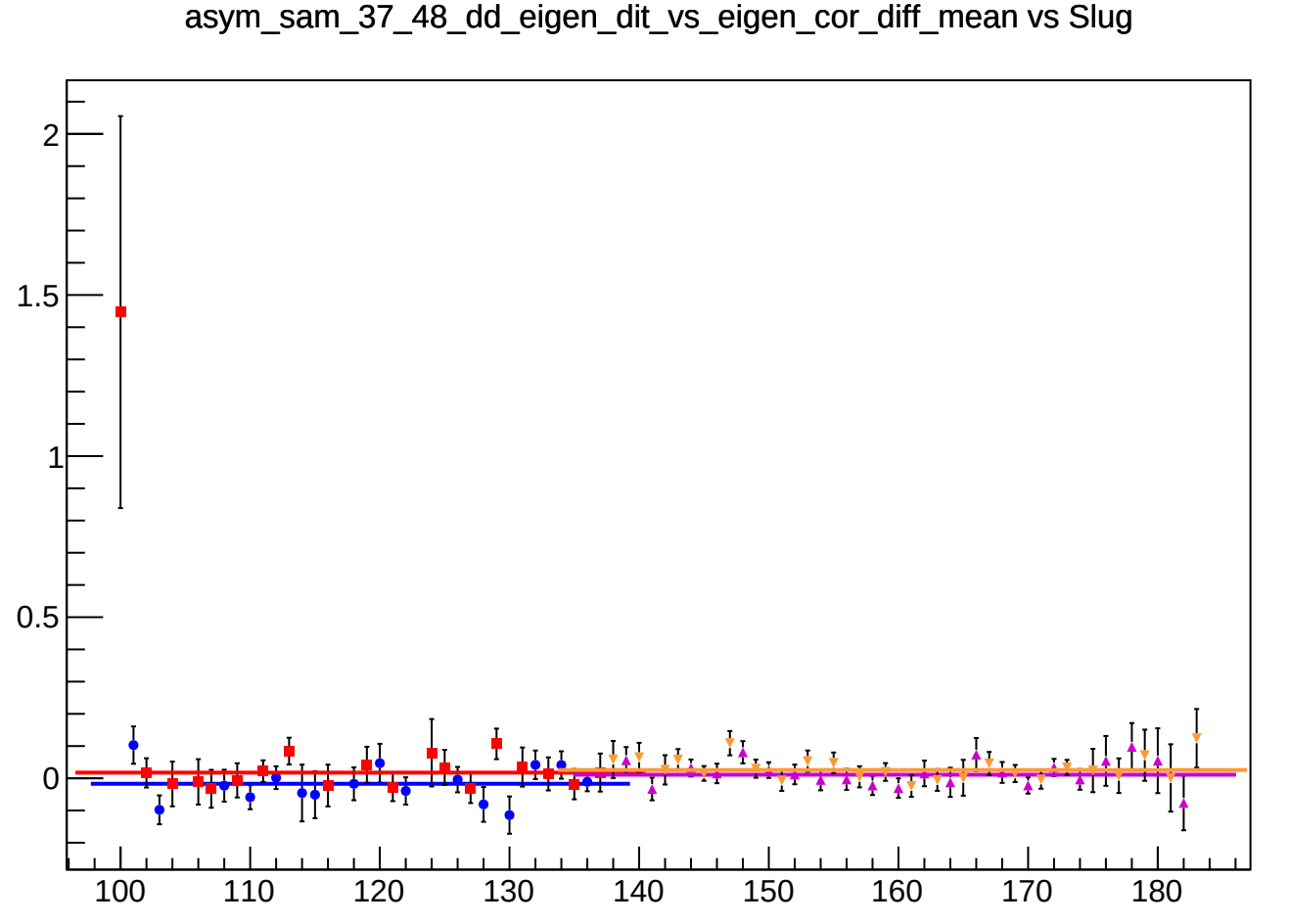
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.991+/-0.005 χ^2/NDF:2707865.0/21

+ sign 29.241+/-0.004 χ^2/NDF: 4239389.1/39

All: 29.460+/-0.003 χ^2/NDF: 7593612.4/80

- sign 29.693+/-0.004 χ^2/NDF: 3348855.2/40



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

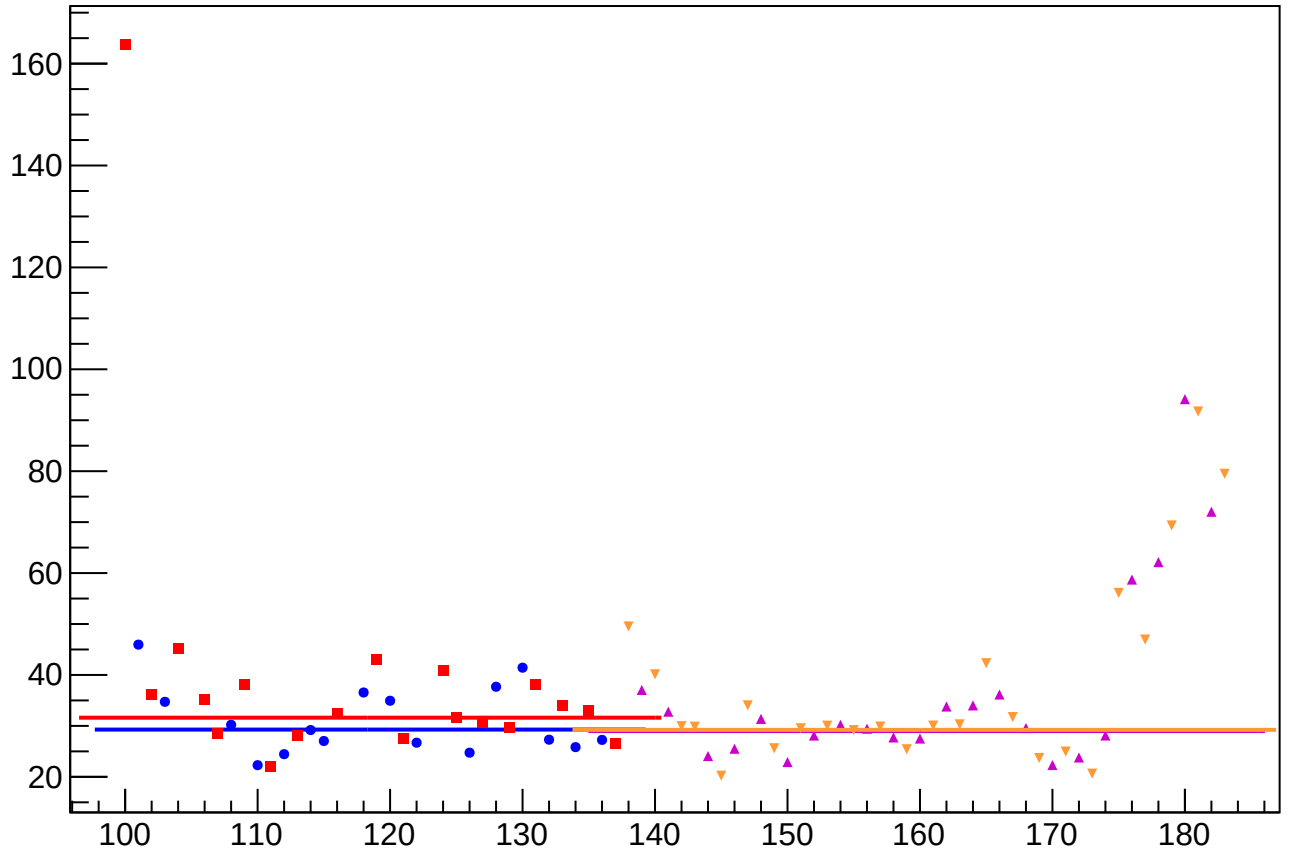
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:18.9/21

+ sign 0.013+/-0.006 χ^2/NDF: 45.2/39

All: 0.013+/-0.004 χ^2/NDF: 81.1/80

- sign 0.013+/-0.006 χ^2/NDF: 35.9/40



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.226+/-0.005 χ^2/NDF:3678704.7/23

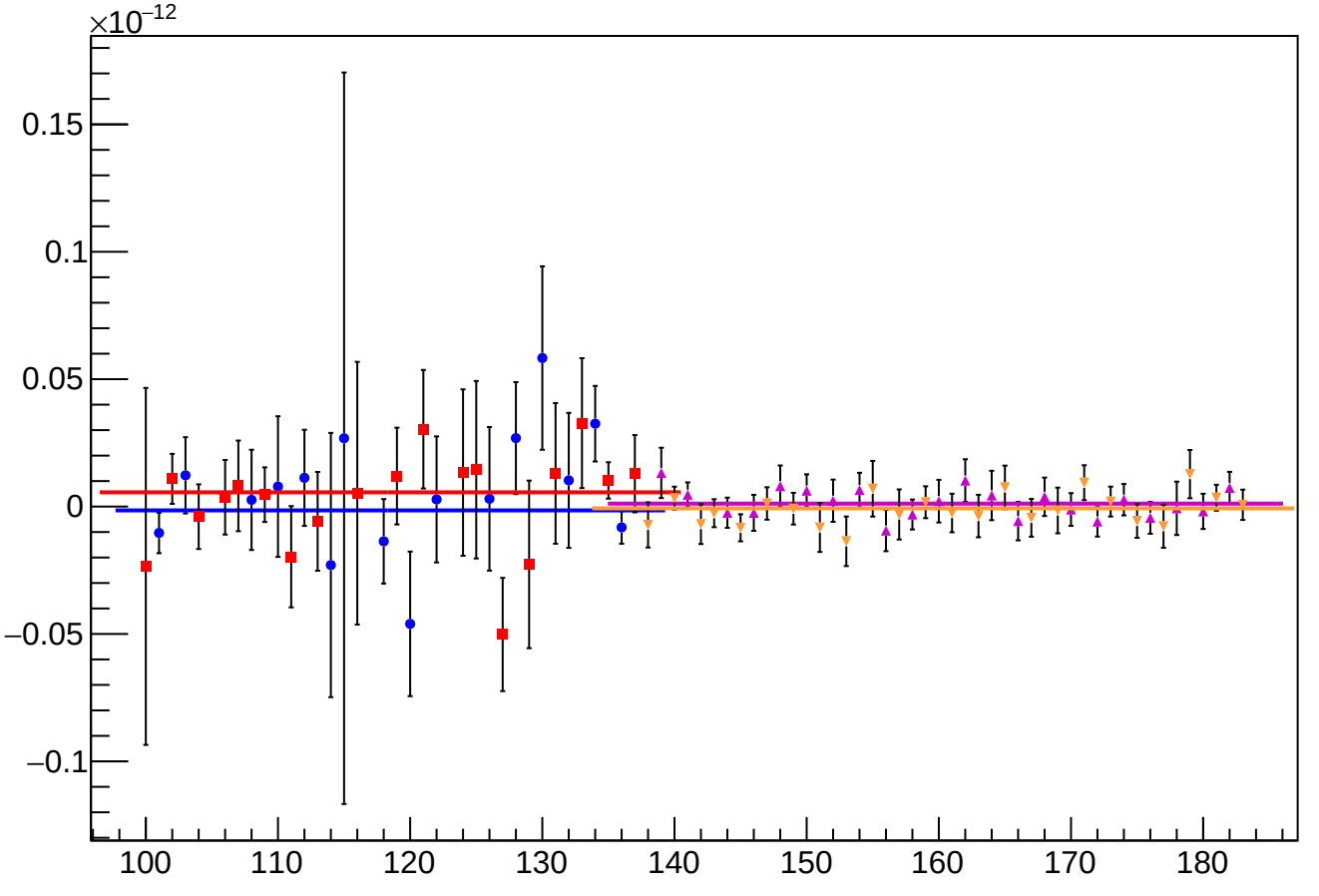
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.991+/-0.005 χ^2/NDF:2707865.0/21

+ sign 29.241+/-0.004 χ^2/NDF: 4239389.1/39

All: 29.460+/-0.003 χ^2/NDF: 7593612.4/80

- sign 29.693+/-0.004 χ^2/NDF: 3348855.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/23

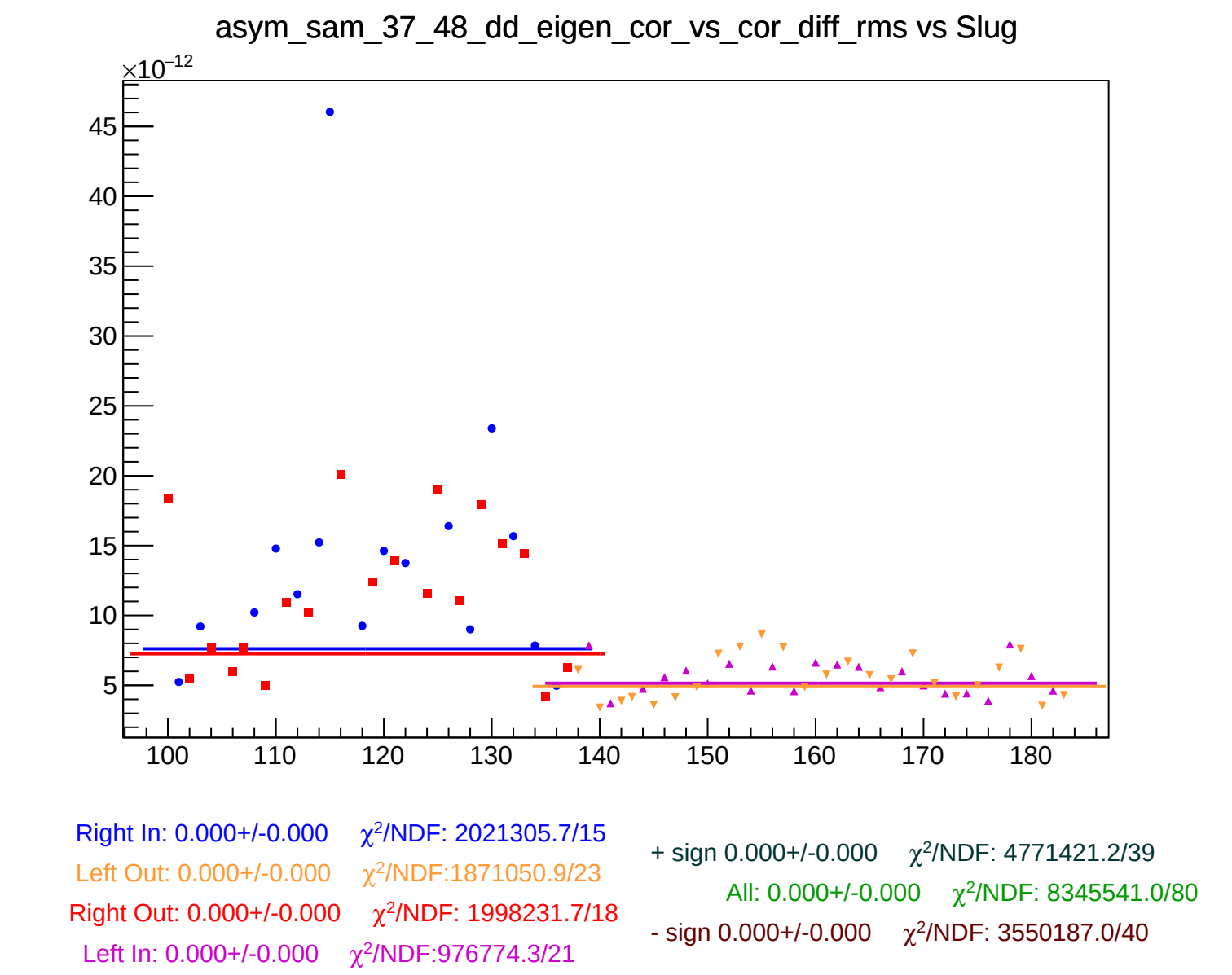
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/21

+ sign -0.000+/-0.000 χ^2/NDF: 32.0/39

All: 0.000+/-0.000 χ^2/NDF: 61.2/80

- sign 0.000+/-0.000 χ^2/NDF: 27.3/40


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
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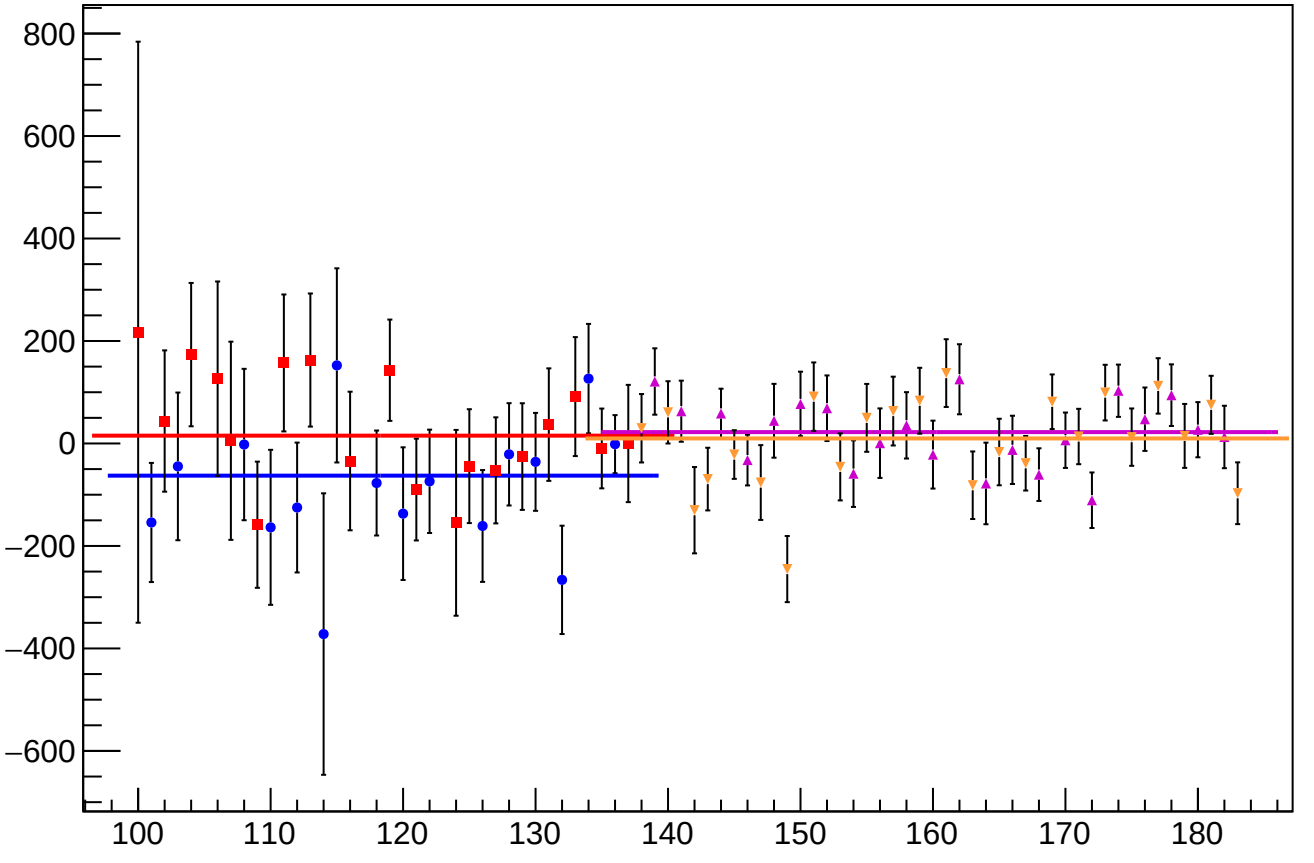
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1871050.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:976774.3/21
+ sign 0.000+/-0.000 χ²/NDF: 4771421.2/39
All: 0.000+/-0.000 χ²/NDF: 8345541.0/80
- sign 0.000+/-0.000 χ²/NDF: 3550187.0/40

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 9.790+/-12.392 χ^2/NDF:46.4/23

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

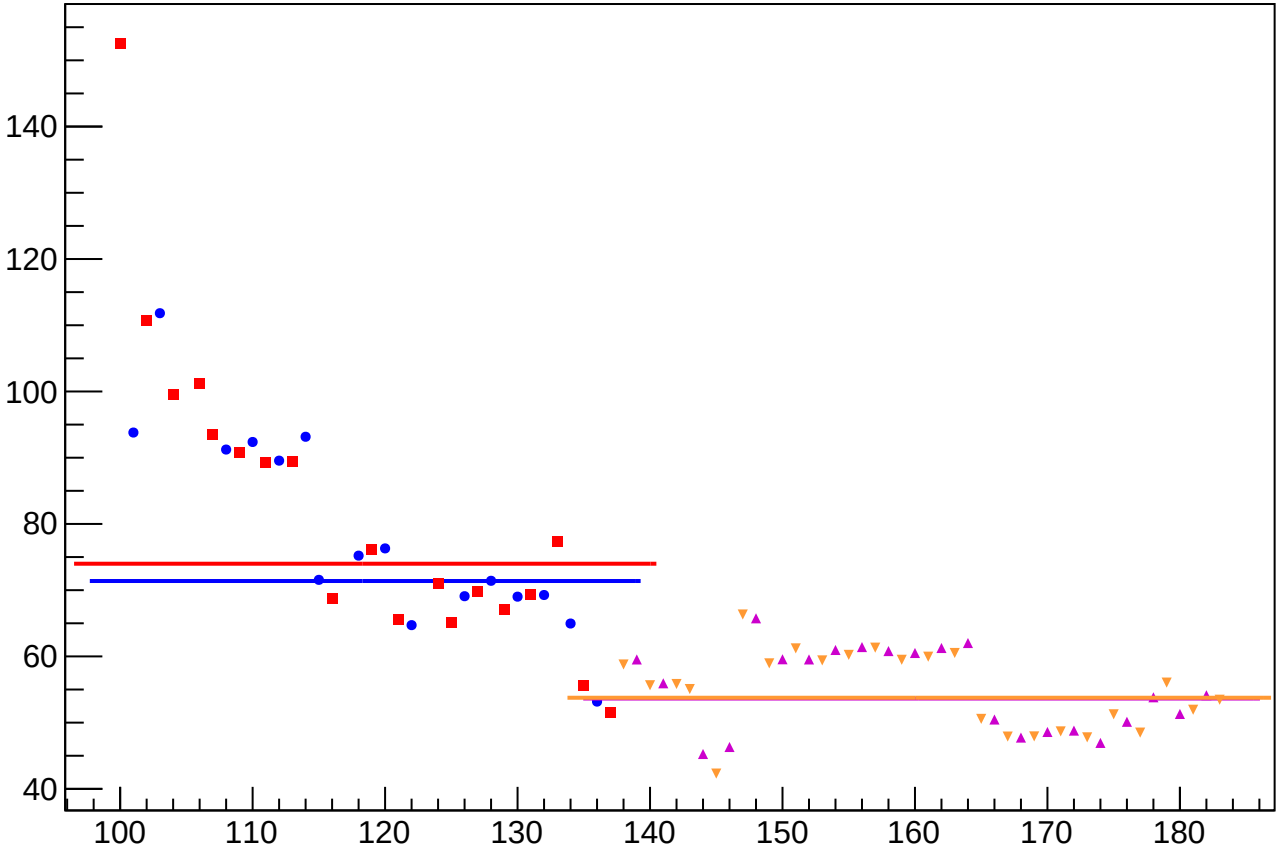
Left In: 22.183+/-12.741 χ^2/NDF:25.1/21

+ sign -2.676+/-11.278 χ^2/NDF: 65.8/39

All: 8.841+/-8.079 χ^2/NDF: 104.6/80

- sign 20.984+/-11.580 χ^2/NDF: 36.6/40

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.758+/-0.009 χ^2/NDF:465591.9/23

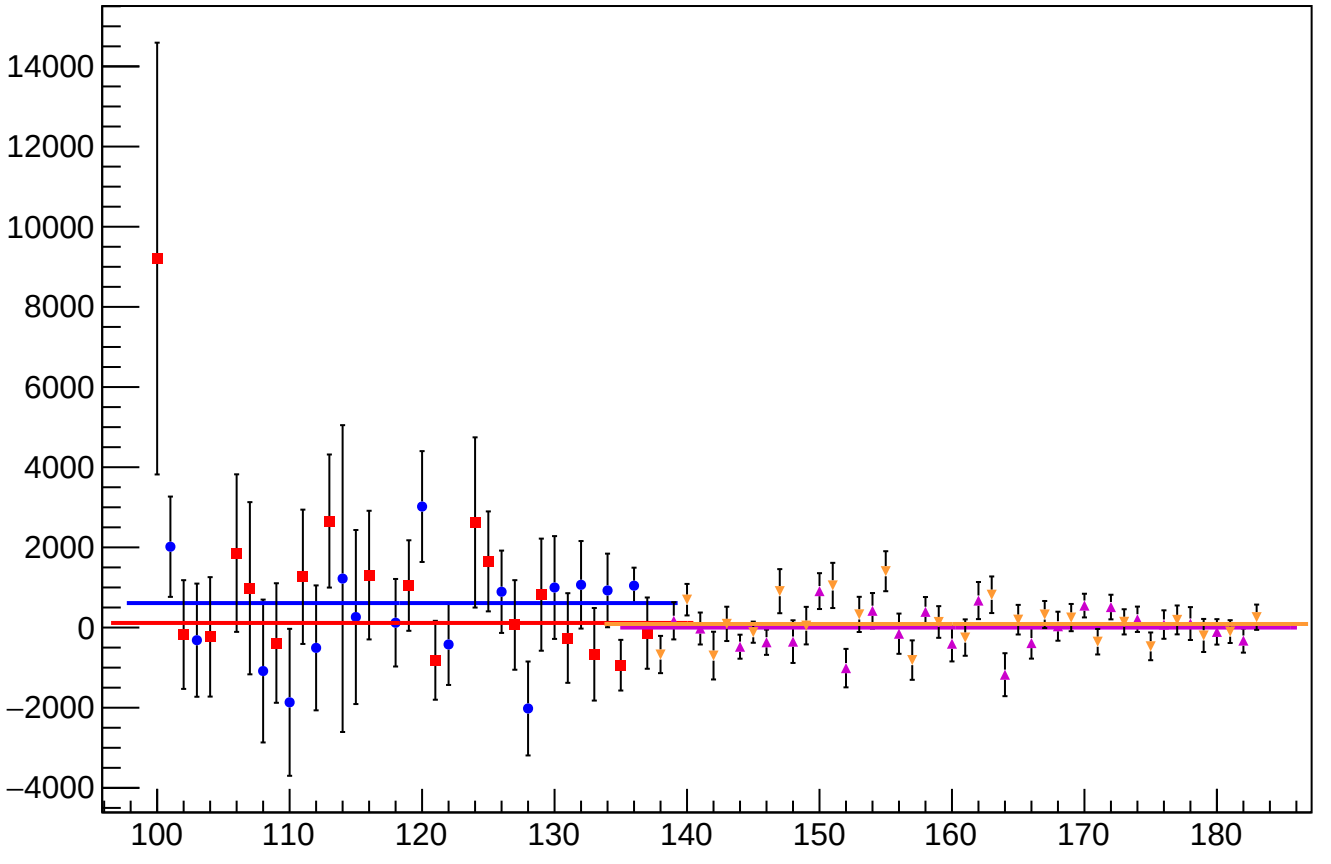
Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.637+/-0.009 χ^2/NDF:468519.1/21

+ sign 56.785+/-0.008 χ^2/NDF: 1751381.1/39

All: 56.976+/-0.006 χ^2/NDF: 3747325.1/80

- sign 57.177+/-0.008 χ^2/NDF: 1994767.1/40



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 88.738+/-78.279 χ^2/NDF:32.9/23

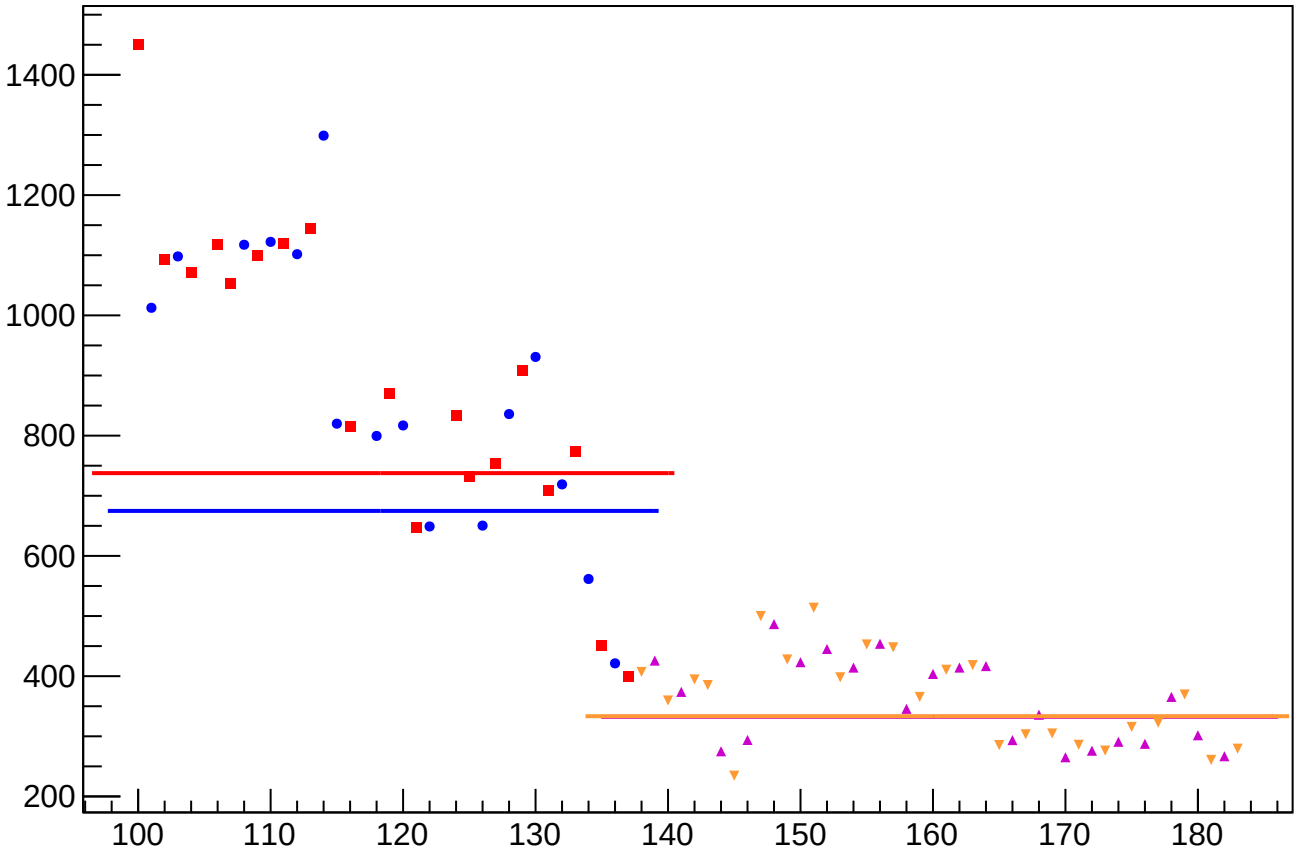
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -0.545+/-80.097 χ^2/NDF:32.0/21

\+ sign 130.097+/-75.113 χ^2/NDF: 52.1/39

All: 70.602+/-53.800 χ^2/NDF: 101.1/80

\- sign 7.924+/-77.096 χ^2/NDF: 47.7/40



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 333.394+/-0.055 χ^2/NDF:1652051.5/23

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

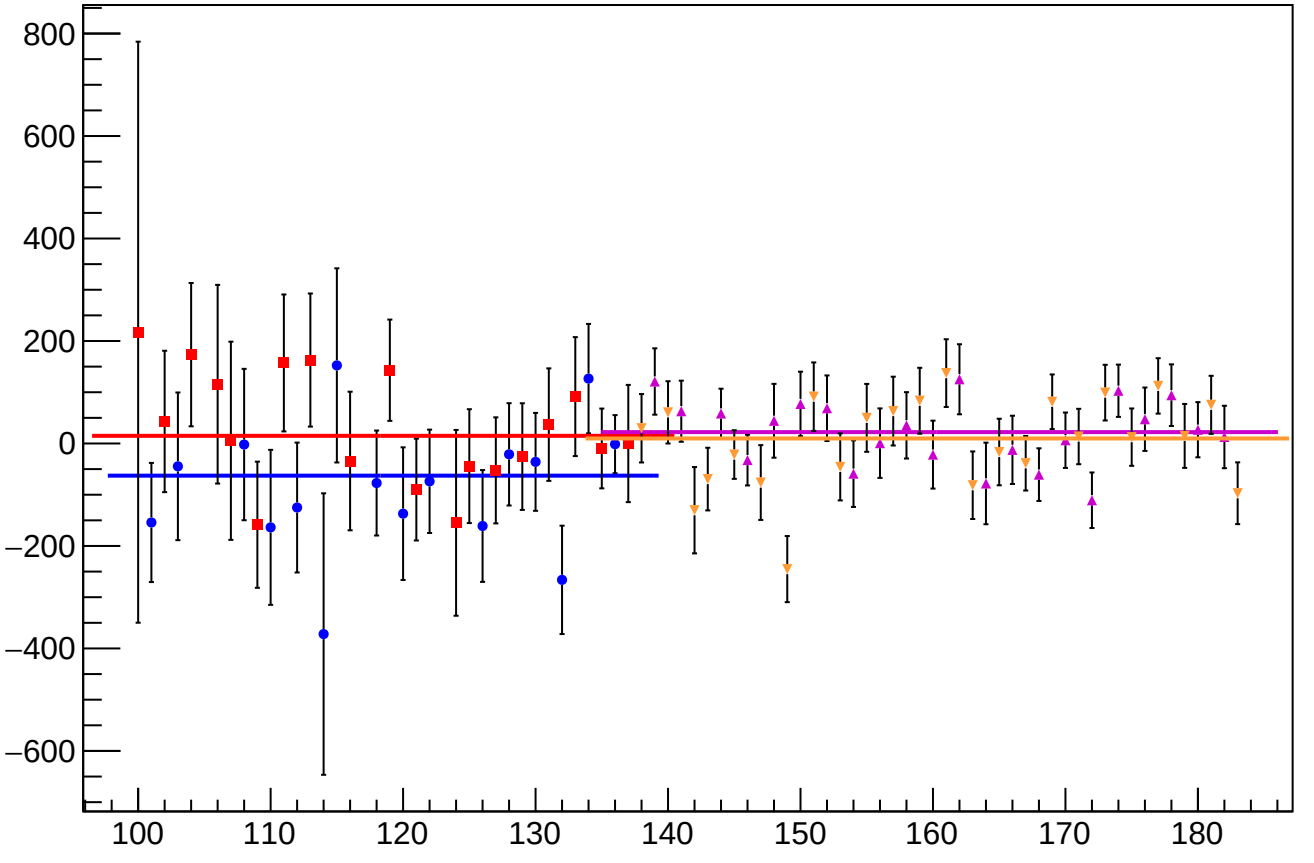
Left In: 332.376+/-0.057 χ^2/NDF:1303164.1/21

+ sign 360.456+/-0.053 χ^2/NDF: 6285493.8/39

All: 361.295+/-0.038 χ^2/NDF: 12871389.9/80

- sign 362.179+/-0.055 χ^2/NDF: 6585383.6/40

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 9.792+/-12.392 χ^2/NDF:46.4/23

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

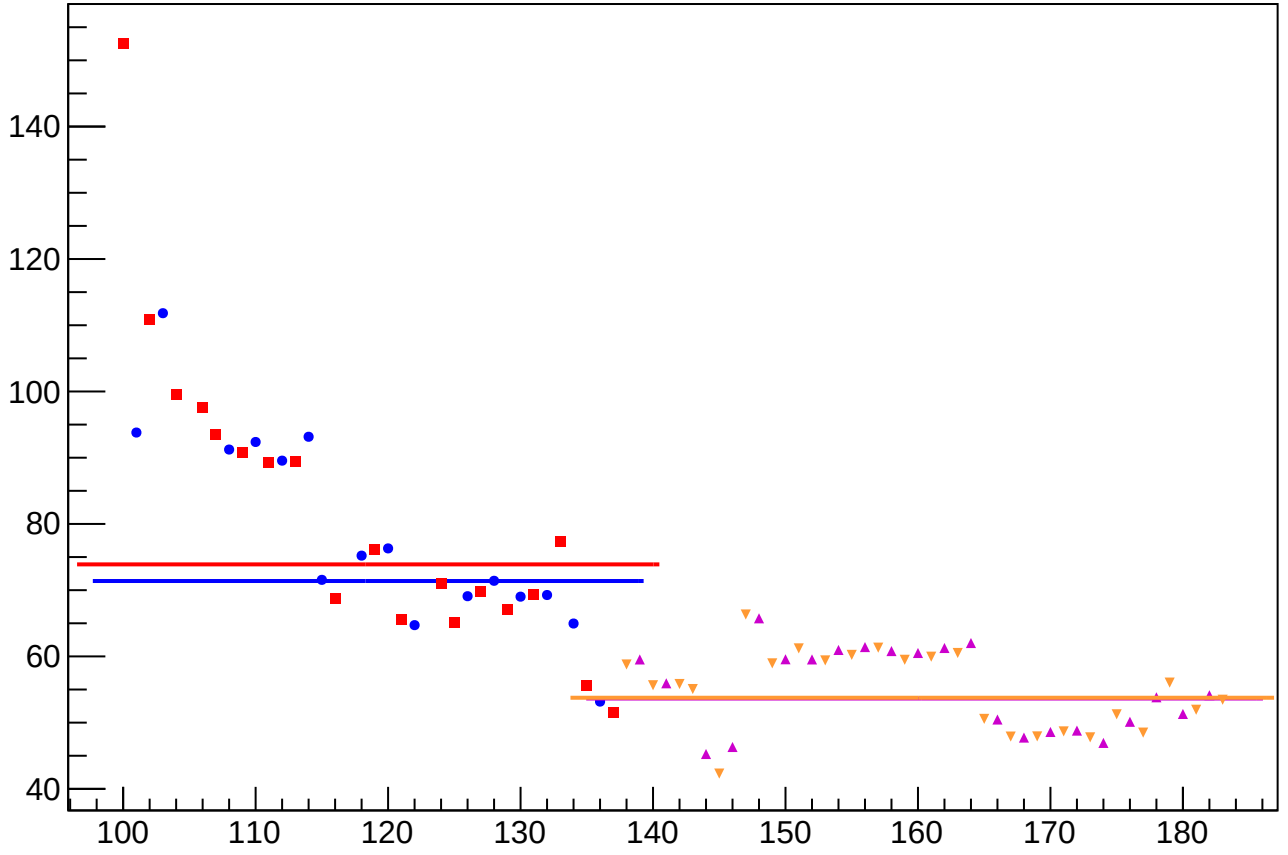
Left In: 22.182+/-12.741 χ^2/NDF:25.1/21

+ sign -2.673+/-11.278 χ^2/NDF: 65.8/39

All: 8.811+/-8.080 χ^2/NDF: 104.5/80

- sign 20.922+/-11.581 χ^2/NDF: 36.5/40

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.758+/-0.009 χ^2/NDF:465591.9/23

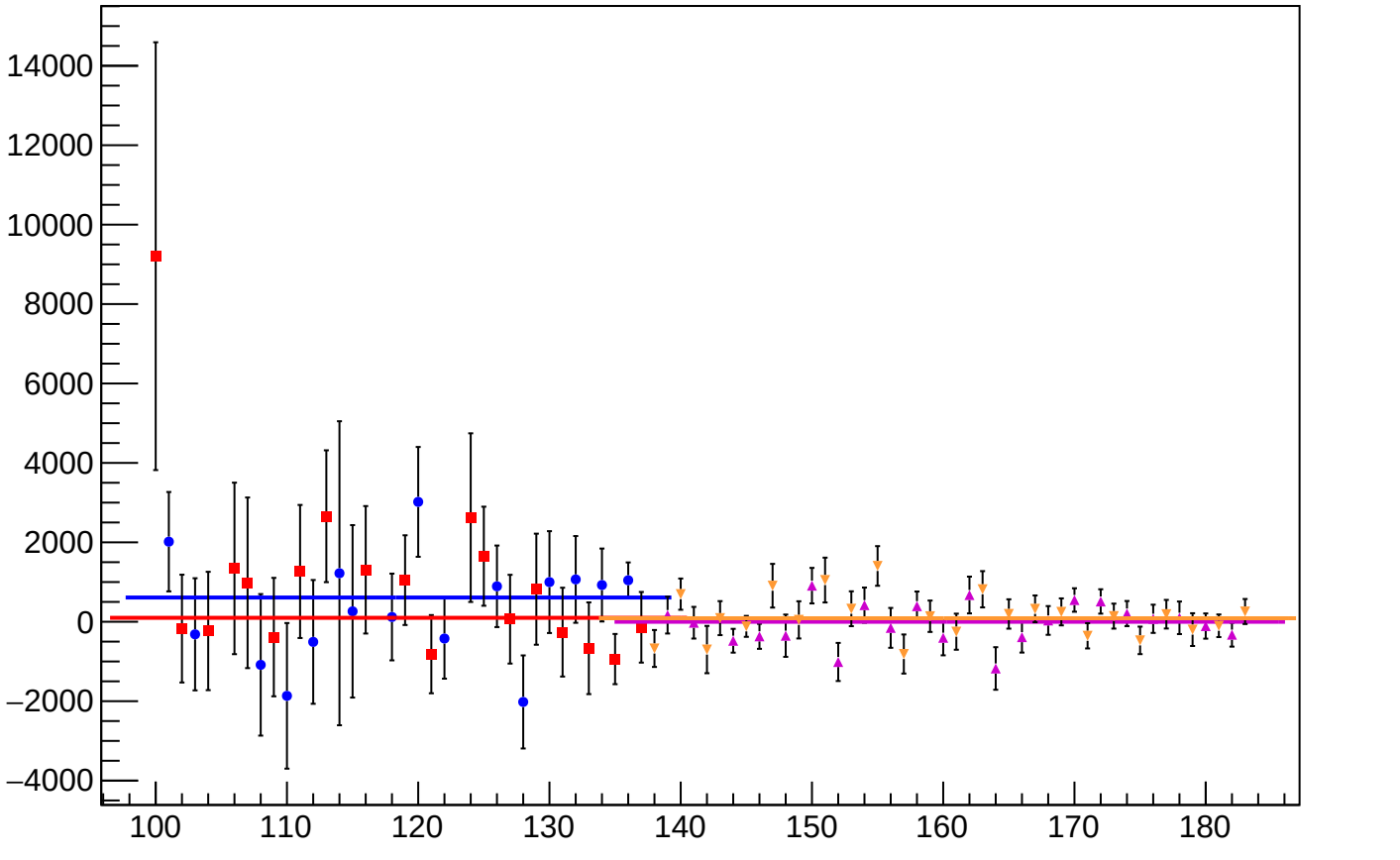
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.637+/-0.009 χ^2/NDF:468519.1/21

+ sign 56.785+/-0.008 χ^2/NDF: 1751383.7/39

All: 56.966+/-0.006 χ^2/NDF: 3726407.3/80

- sign 57.157+/-0.008 χ^2/NDF: 1973964.4/40



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 88.740+/-78.279 χ^2/NDF:32.9/23

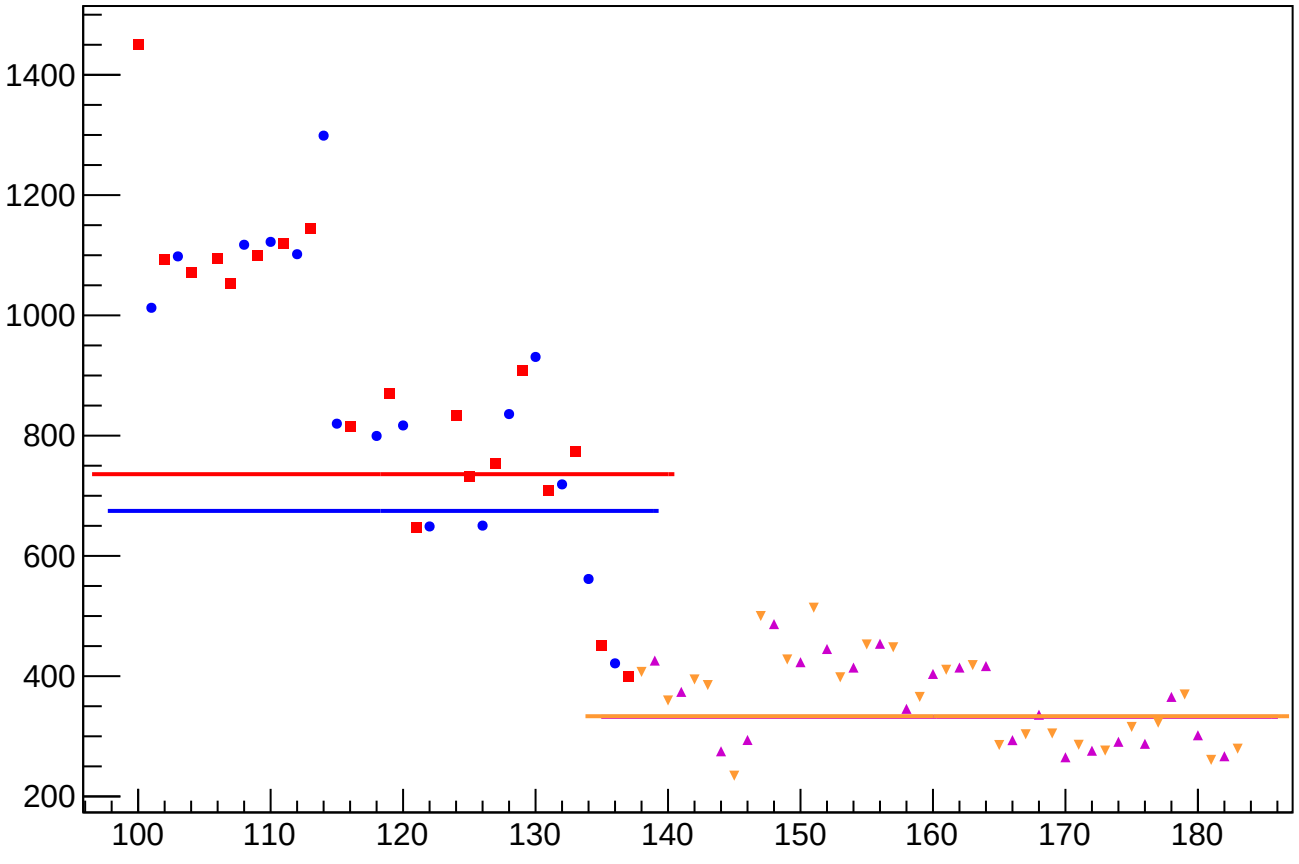
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -0.543+/-80.097 χ^2/NDF:32.0/21

+ sign 130.097+/-75.113 χ^2/NDF: 52.1/39

All: 70.060+/-53.804 χ^2/NDF: 100.6/80

- sign 6.793+/-77.107 χ^2/NDF: 47.2/40



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 333.394+/-0.055 χ^2/NDF:1652054.4/23

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

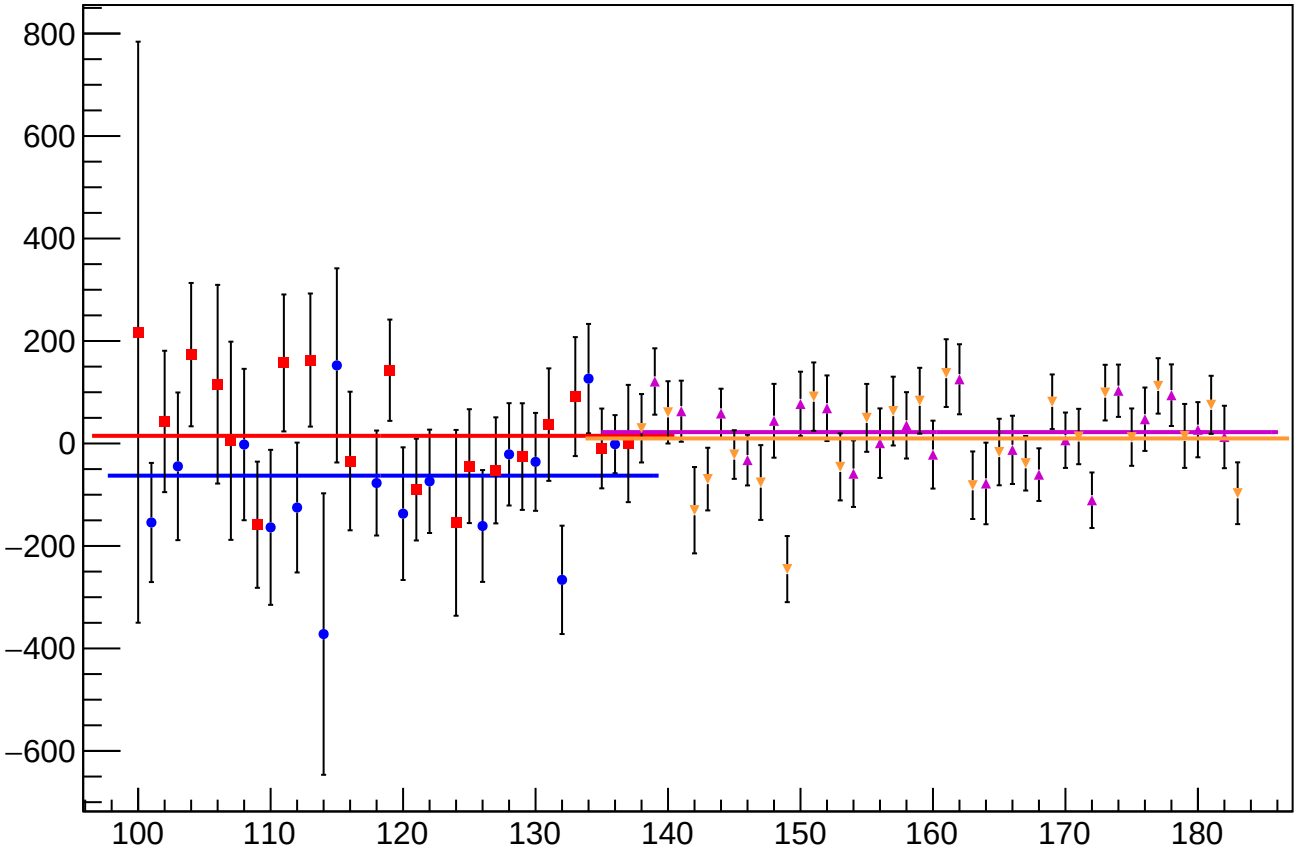
Left In: 332.376+/-0.057 χ^2/NDF:1303172.0/21

+ sign 360.456+/-0.053 χ^2/NDF: 6285519.4/39

All: 361.183+/-0.038 χ^2/NDF: 12806391.2/80

- sign 361.949+/-0.055 χ^2/NDF: 6520486.7/40

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 9.792+/-12.392 χ^2/NDF:46.4/23

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

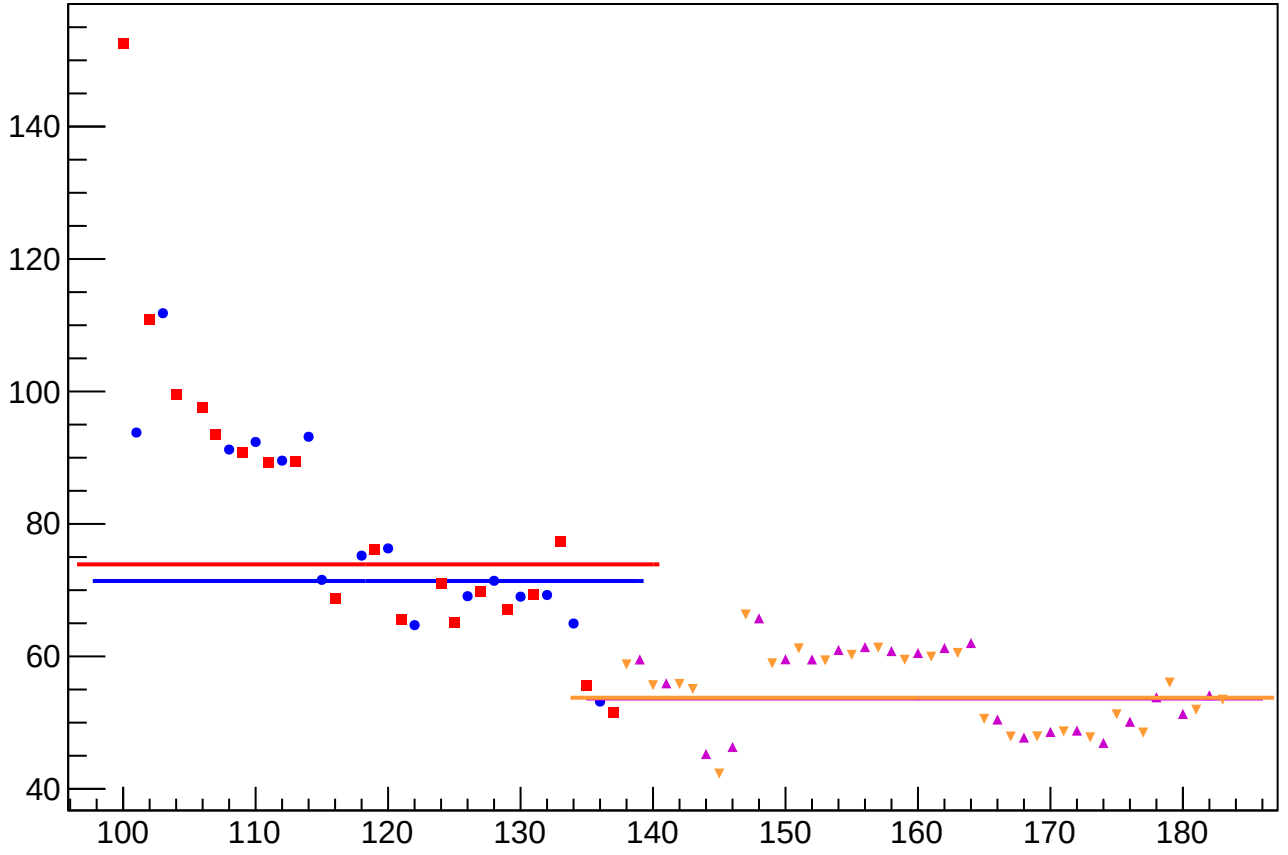
Left In: 22.182+/-12.741 χ^2/NDF:25.1/21

\+ sign -2.673+/-11.278 χ^2/NDF: 65.8/39

All: 8.811+/-8.080 χ^2/NDF: 104.5/80

\- sign 20.922+/-11.581 χ^2/NDF: 36.5/40

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.758+/-0.009 χ^2/NDF:465591.9/23

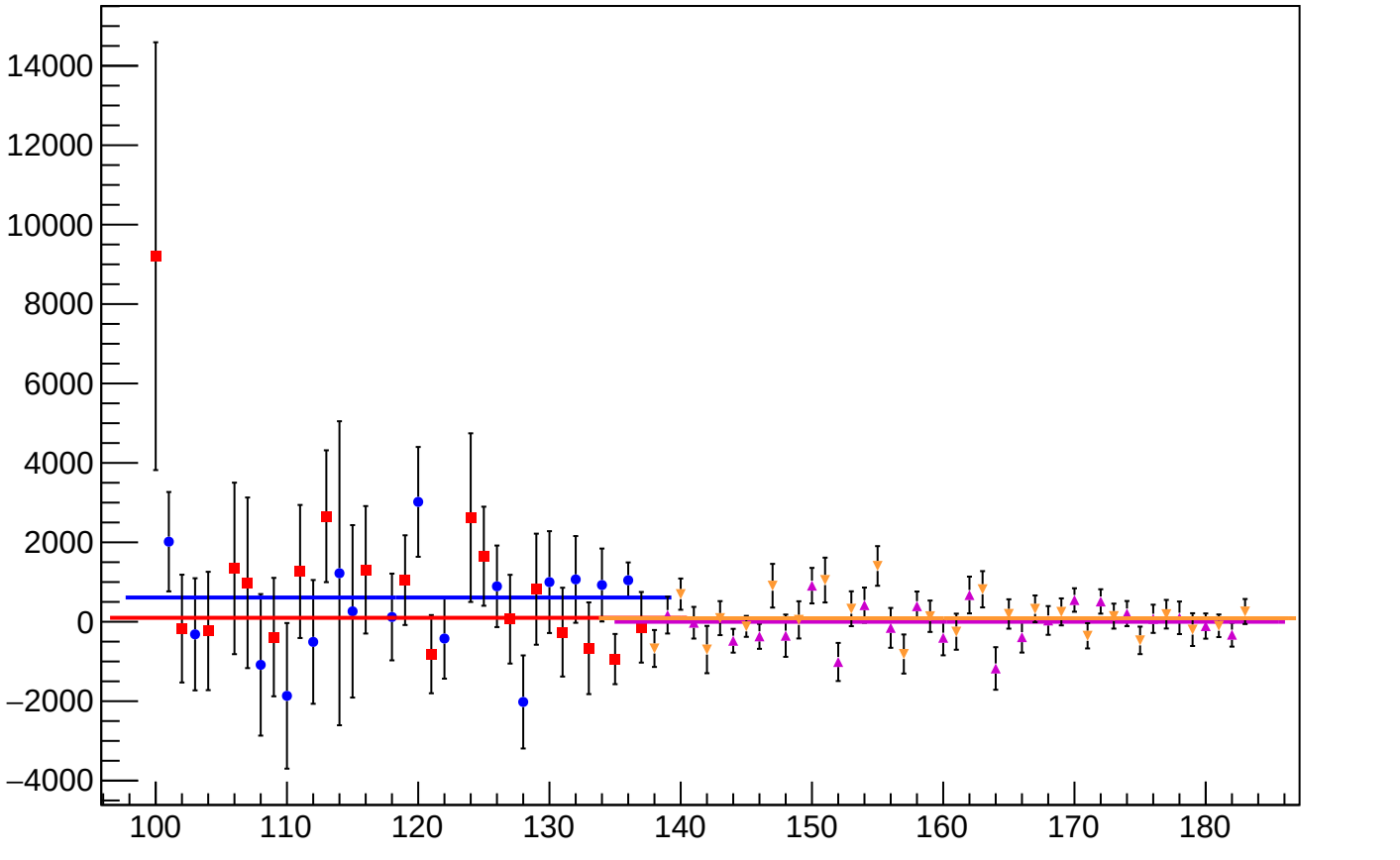
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.637+/-0.009 χ^2/NDF:468519.1/21

+ sign 56.785+/-0.008 χ^2/NDF: 1751383.7/39

All: 56.966+/-0.006 χ^2/NDF: 3726407.3/80

- sign 57.157+/-0.008 χ^2/NDF: 1973964.4/40



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 88.740+/-78.279 χ^2/NDF:32.9/23

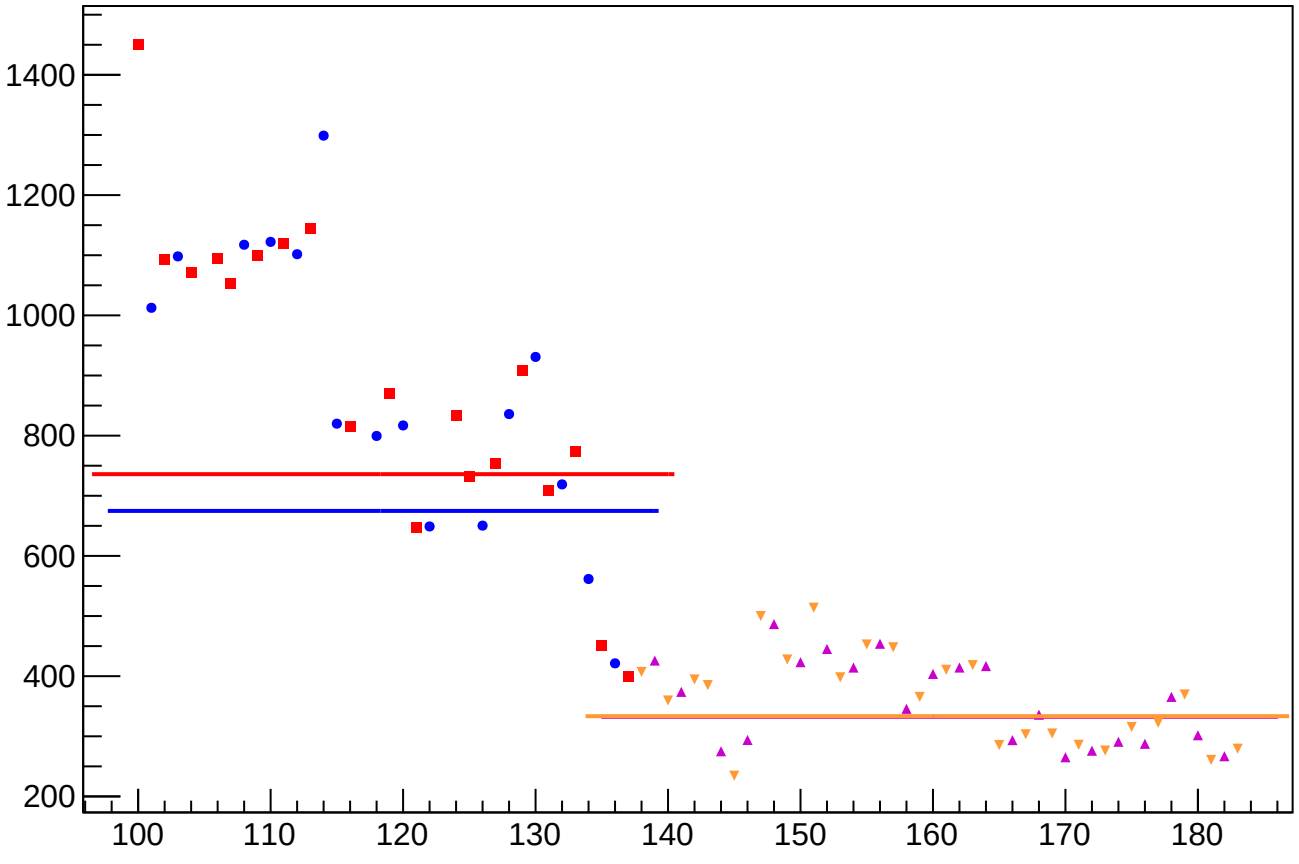
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -0.543+/-80.097 χ^2/NDF:32.0/21

+ sign 130.097+/-75.113 χ^2/NDF: 52.1/39

All: 70.060+/-53.804 χ^2/NDF: 100.6/80

- sign 6.793+/-77.107 χ^2/NDF: 47.2/40



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 333.394+/-0.055 χ^2/NDF:1652054.4/23

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

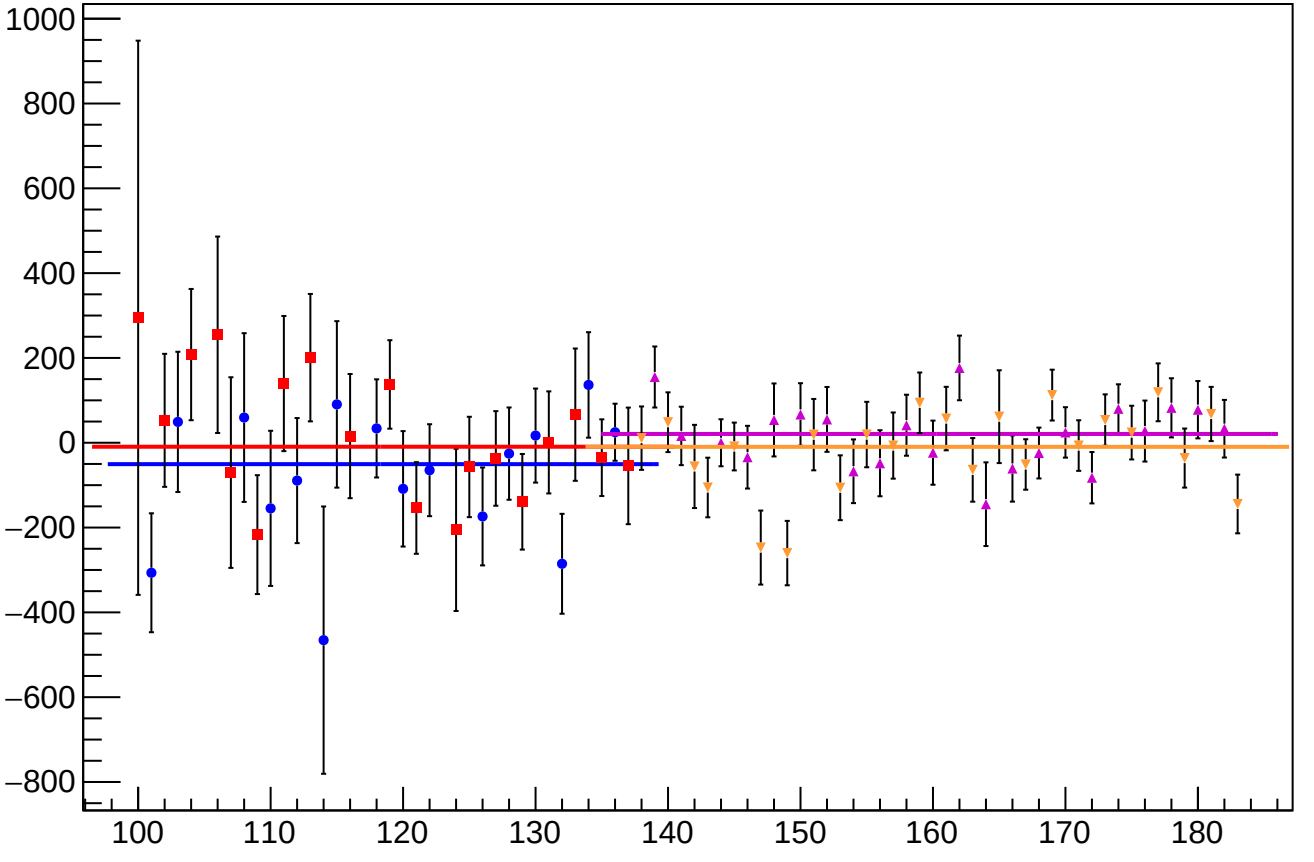
Left In: 332.376+/-0.057 χ^2/NDF:1303172.0/21

+ sign 360.456+/-0.053 χ^2/NDF: 6285519.4/39

All: 361.183+/-0.038 χ^2/NDF: 12806391.2/80

- sign 361.949+/-0.055 χ^2/NDF: 6520486.7/40

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -9.643+/-14.395 χ^2/NDF:41.8/23

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

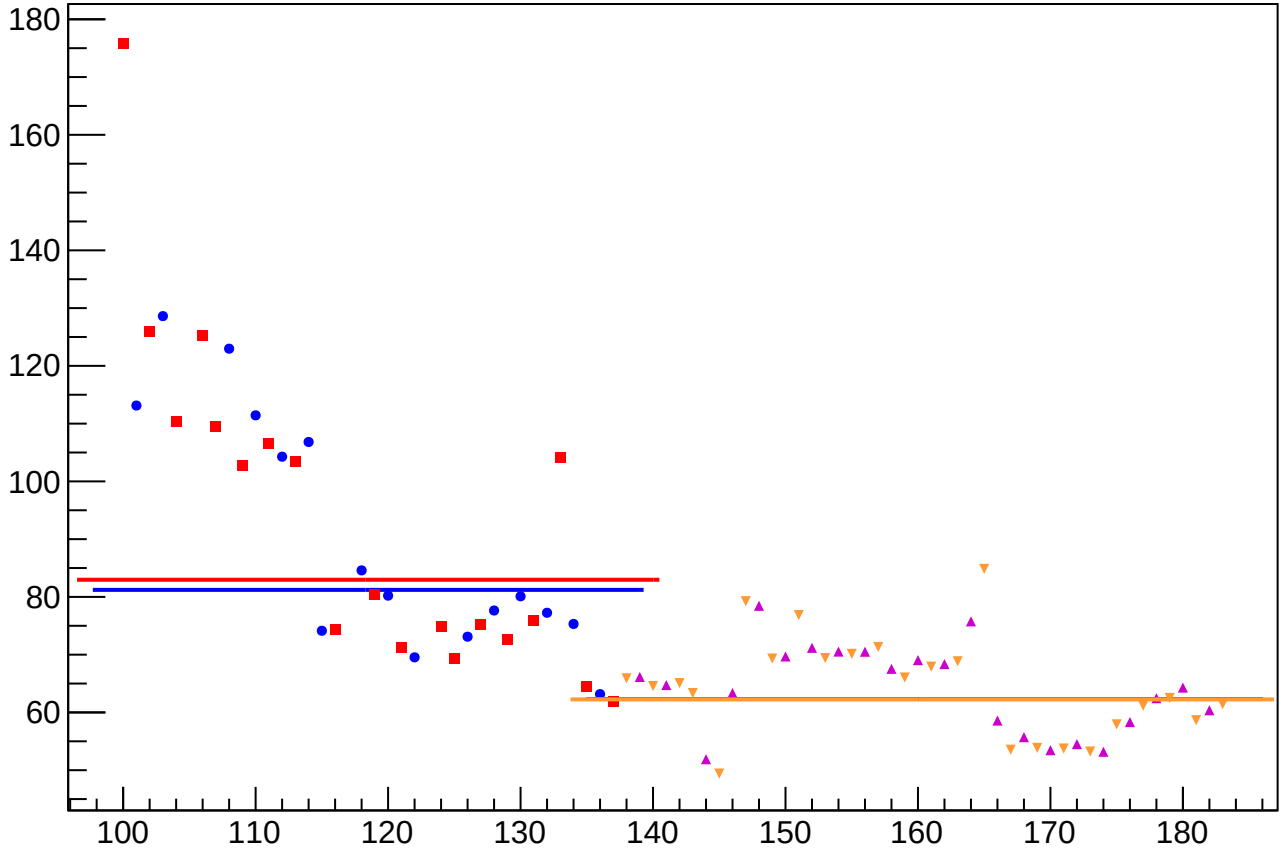
Left In: 20.725+/-14.876 χ^2/NDF:21.6/21

+ sign -16.860+/-13.061 χ^2/NDF: 59.7/39

All: -1.297+/-9.363 χ^2/NDF: 100.5/80

- sign 15.159+/-13.430 χ^2/NDF: 38.0/40

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.256+/-0.010 χ^2/NDF:633297.1/23

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

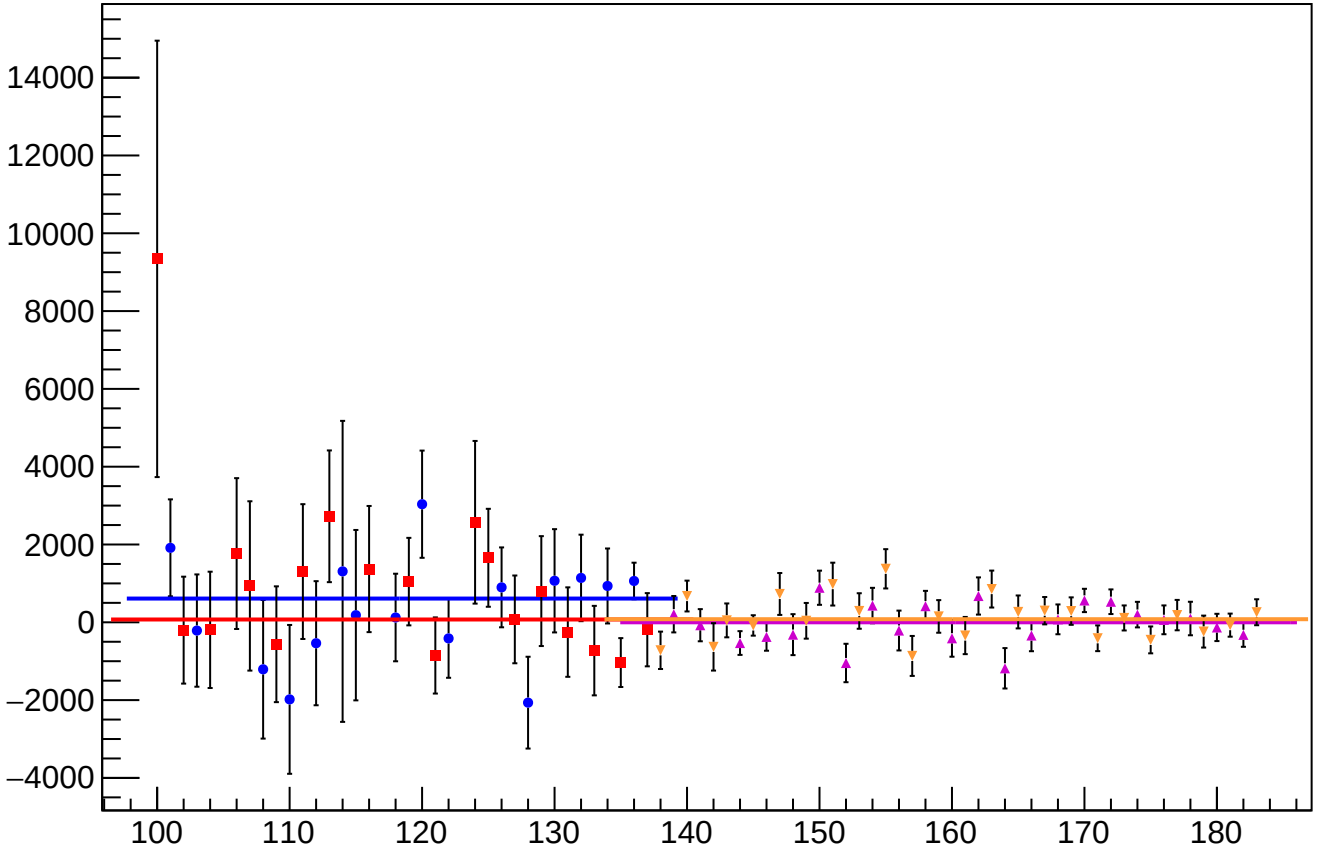
Left In: 62.317+/-0.011 χ^2/NDF:484528.7/21

+ sign 65.609+/-0.009 χ^2/NDF: 1909722.4/39

All: 65.865+/-0.007 χ^2/NDF: 3839060.4/80

- sign 66.135+/-0.009 χ^2/NDF: 1927758.4/40

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 79.672+/-80.735 χ^2/NDF:31.3/23

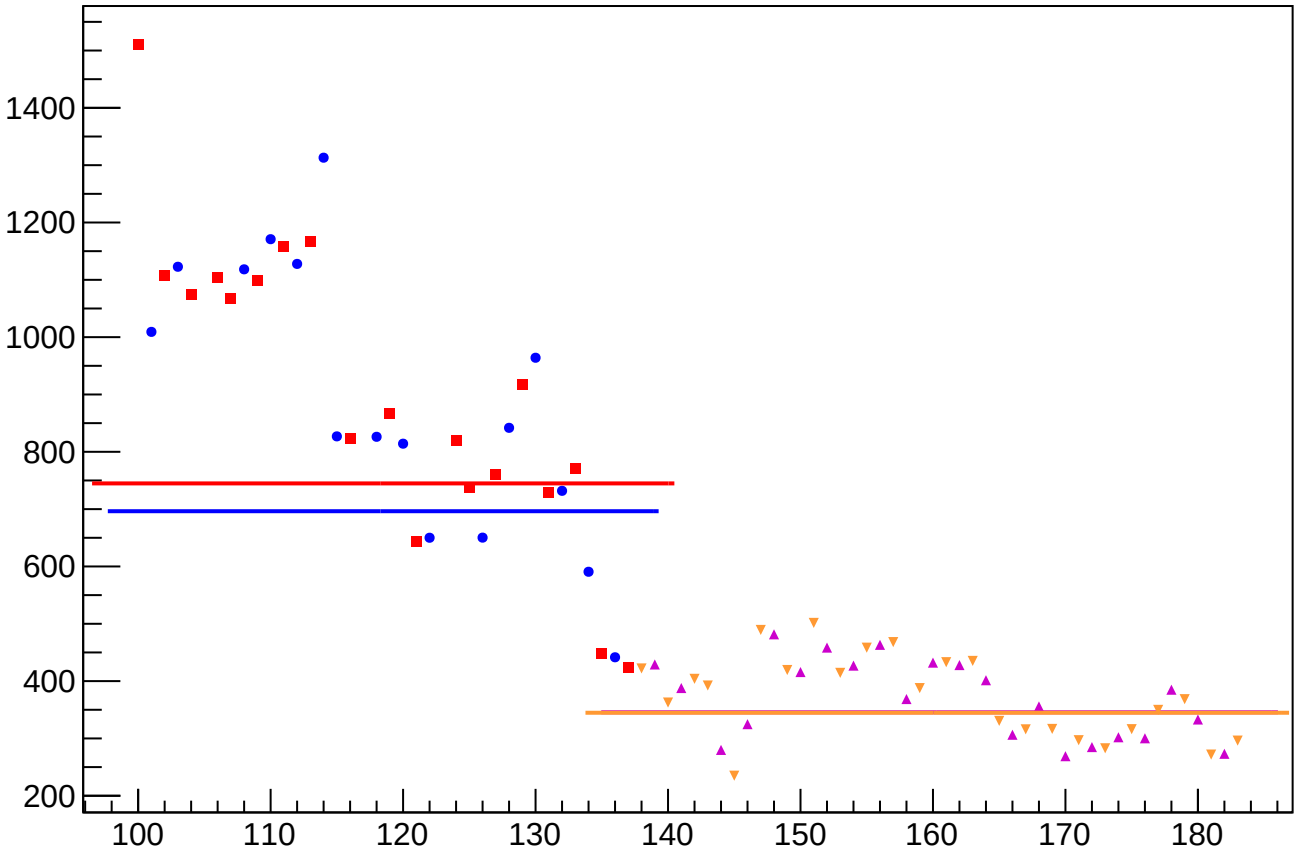
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 0.198+/-83.232 χ^2/NDF:32.2/21

+ sign 122.073+/-77.443 χ^2/NDF: 50.5/39

All: 65.776+/-55.620 χ^2/NDF: 100.0/80

- sign 5.799+/-79.934 χ^2/NDF: 48.4/40



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 344.809+/-0.057 χ^2/NDF:1560600.7/23

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

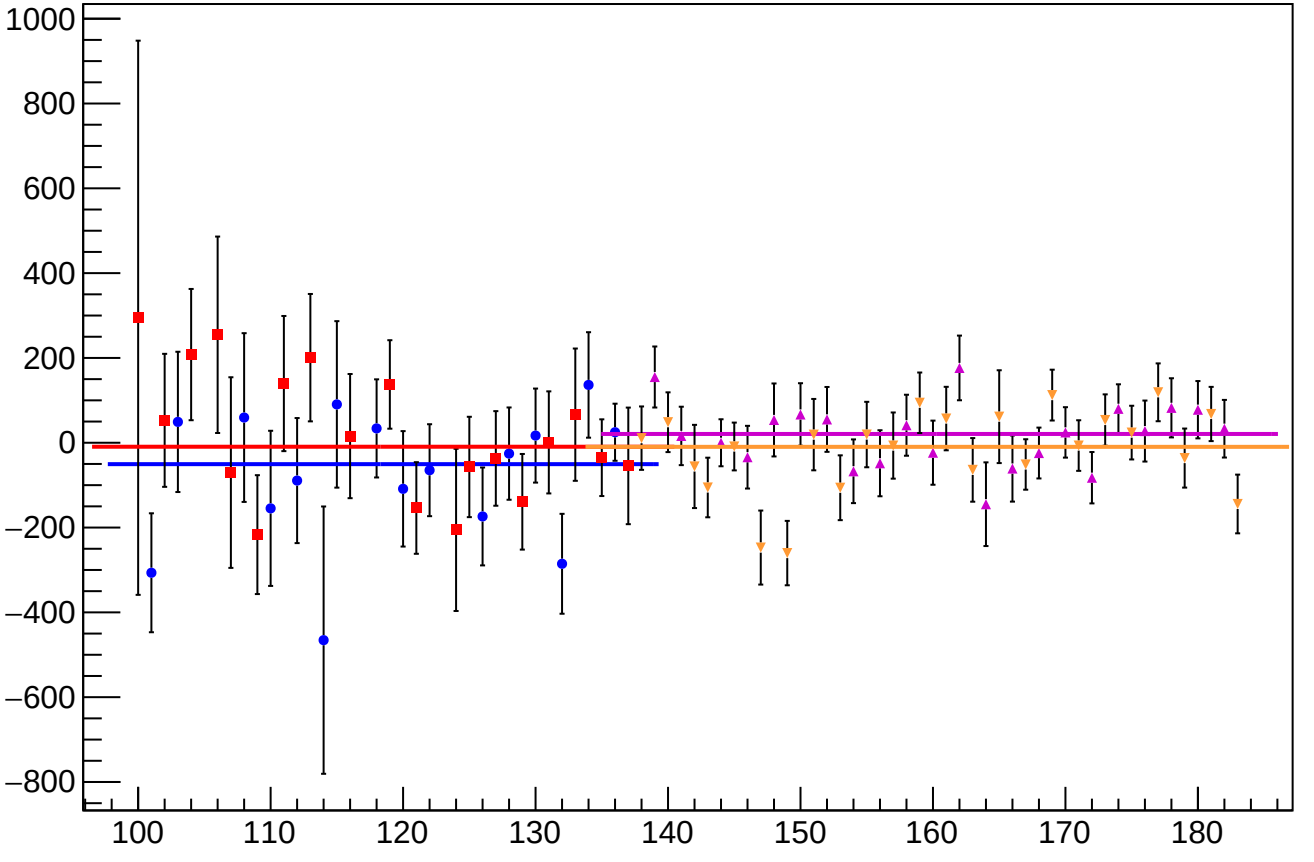
Left In: 345.641+/-0.059 χ^2/NDF:1218430.7/21

+ sign 372.897+/-0.055 χ^2/NDF: 6105972.7/39

All: 374.712+/-0.039 χ^2/NDF: 12398790.3/80

- sign 376.647+/-0.057 χ^2/NDF: 6290547.2/40

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -9.642+/-14.395 χ^2/NDF:41.8/23

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

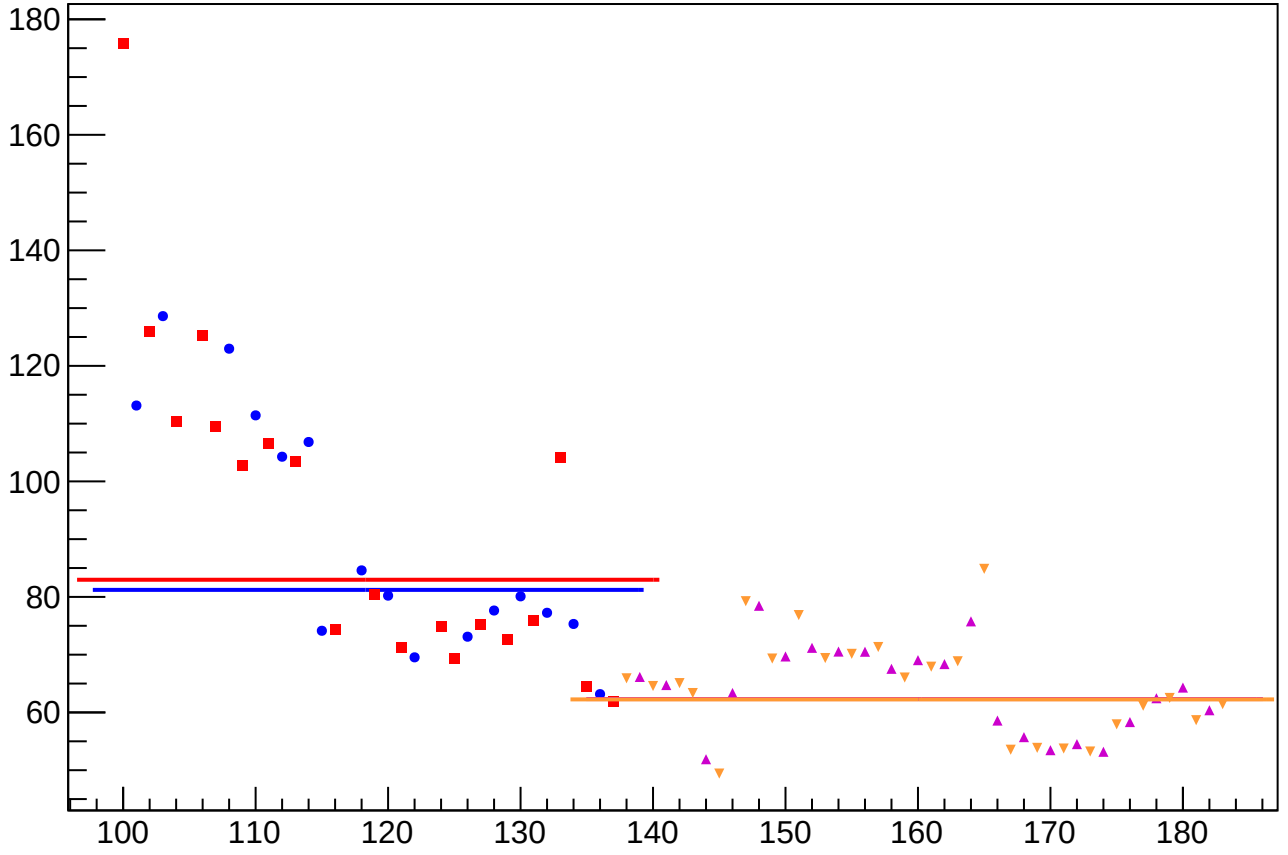
Left In: 20.725+/-14.876 χ^2/NDF:21.6/21

+ sign -16.860+/-13.061 χ^2/NDF: 59.7/39

All: -1.297+/-9.363 χ^2/NDF: 100.5/80

- sign 15.159+/-13.430 χ^2/NDF: 38.0/40

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.256+/-0.010 χ^2/NDF:633295.8/23

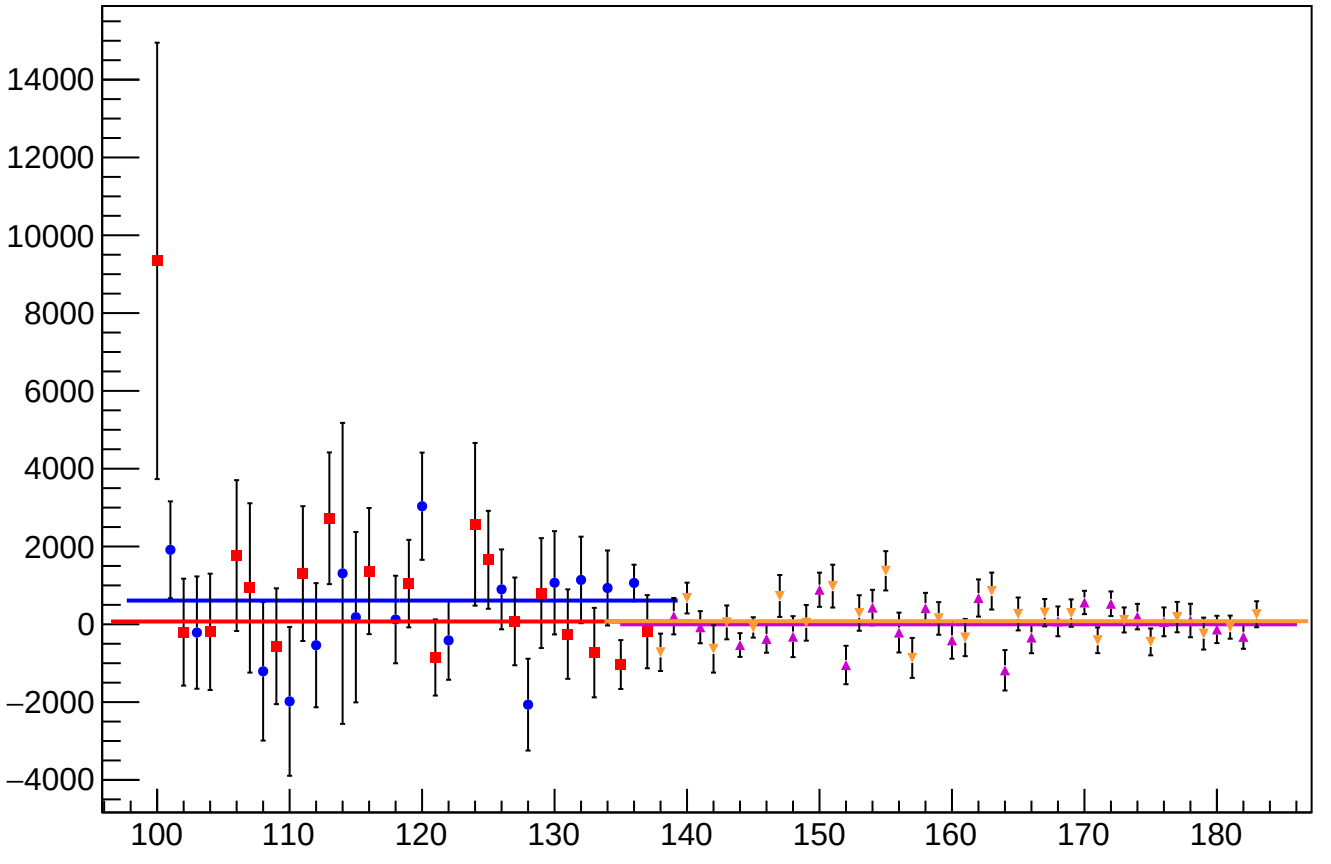
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.317+/-0.011 χ^2/NDF:484523.5/21

+ sign 65.609+/-0.009 χ^2/NDF: 1909680.9/39

All: 65.865+/-0.007 χ^2/NDF: 3838974.4/80

- sign 66.135+/-0.009 χ^2/NDF: 1927713.1/40



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 79.673+/-80.735 χ^2/NDF:31.3/23

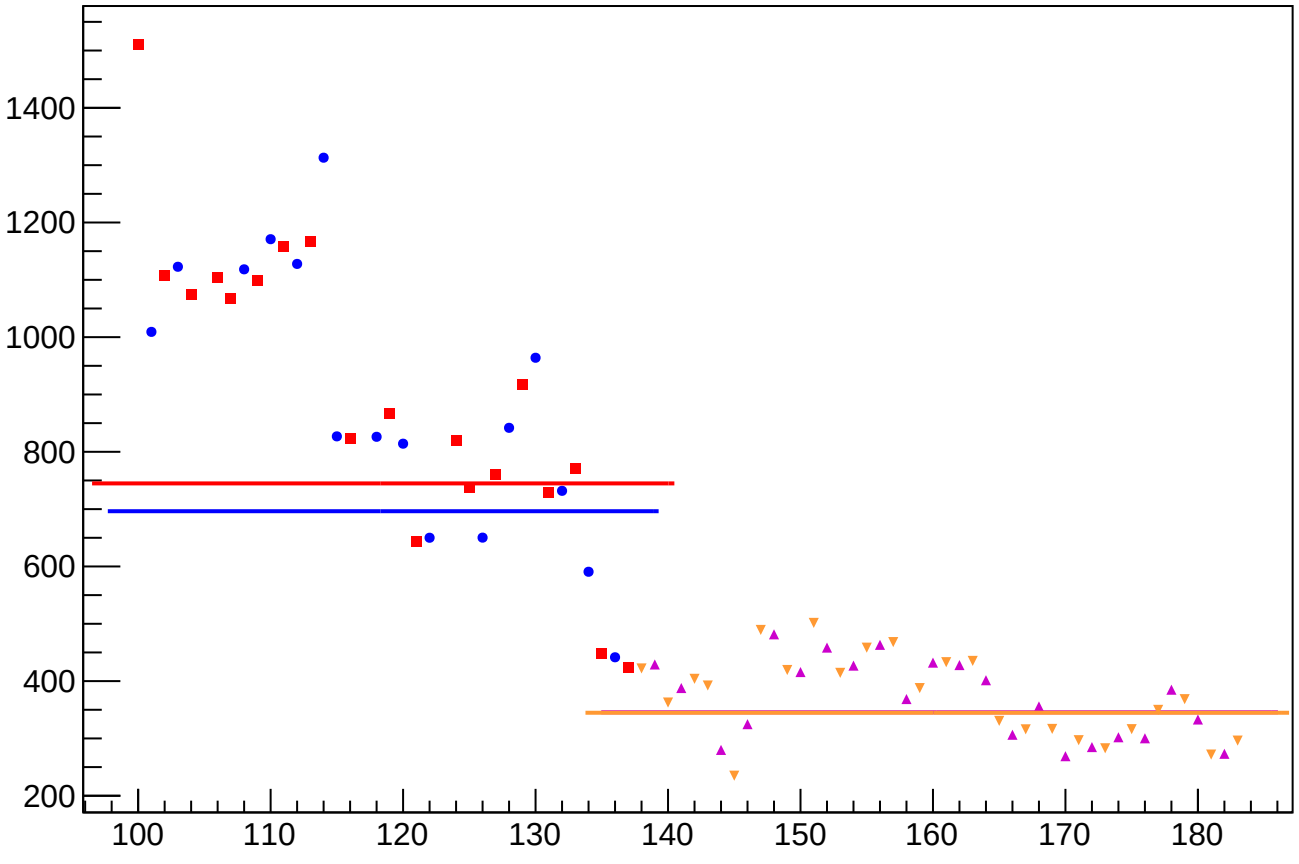
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 0.198+/-83.232 χ^2/NDF:32.2/21

+ sign 122.074+/-77.443 χ^2/NDF: 50.5/39

All: 65.777+/-55.620 χ^2/NDF: 100.0/80

- sign 5.799+/-79.934 χ^2/NDF: 48.4/40



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 344.809+/-0.057 χ^2/NDF:1560622.5/23

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

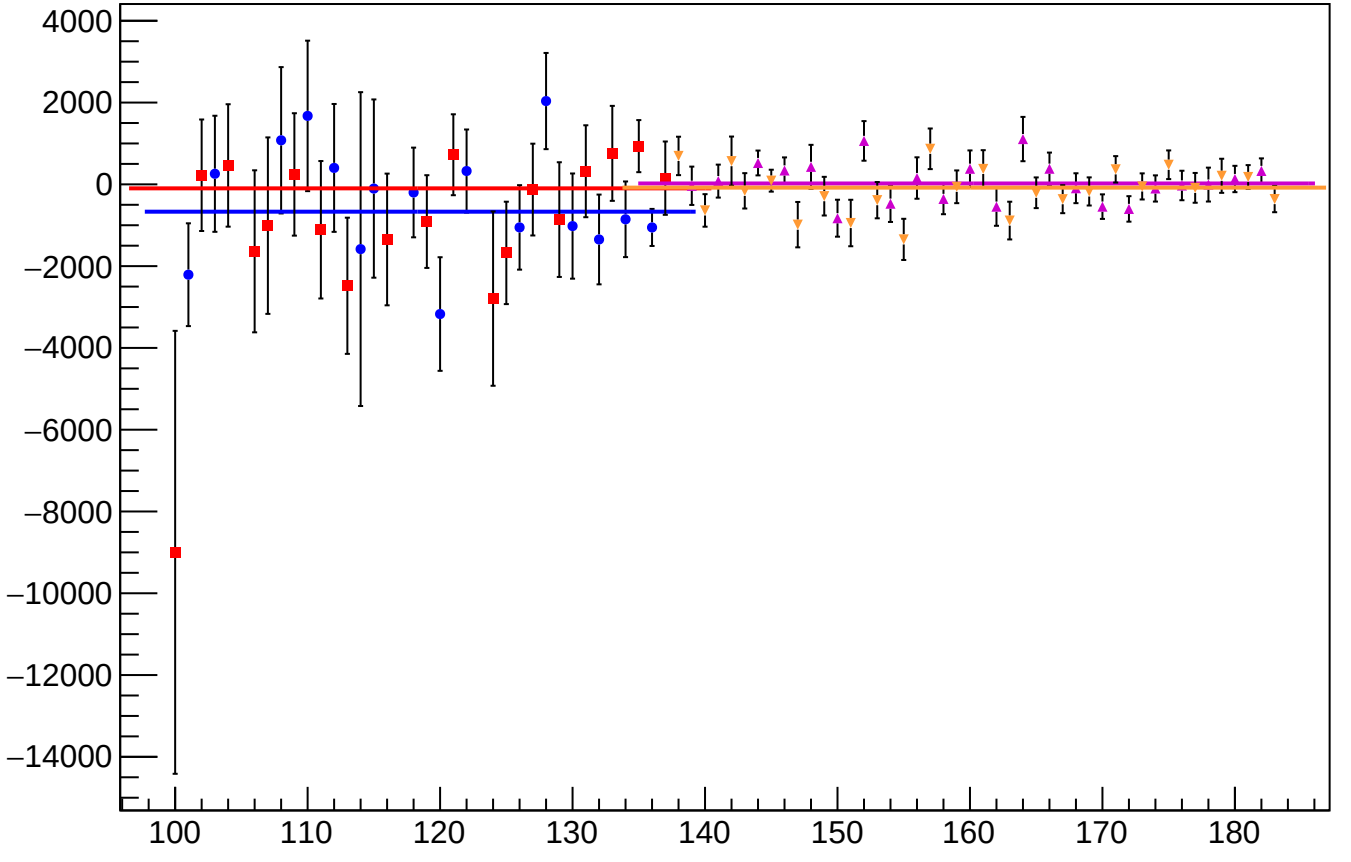
Left In: 345.641+/-0.059 χ^2/NDF:1218446.9/21

+ sign 372.897+/-0.055 χ^2/NDF: 6105972.7/39

All: 374.713+/-0.039 χ^2/NDF: 12398784.4/80

- sign 376.647+/-0.057 χ^2/NDF: 6290541.2/40

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -80.263+/-79.326 χ^2/NDF:33.3/23

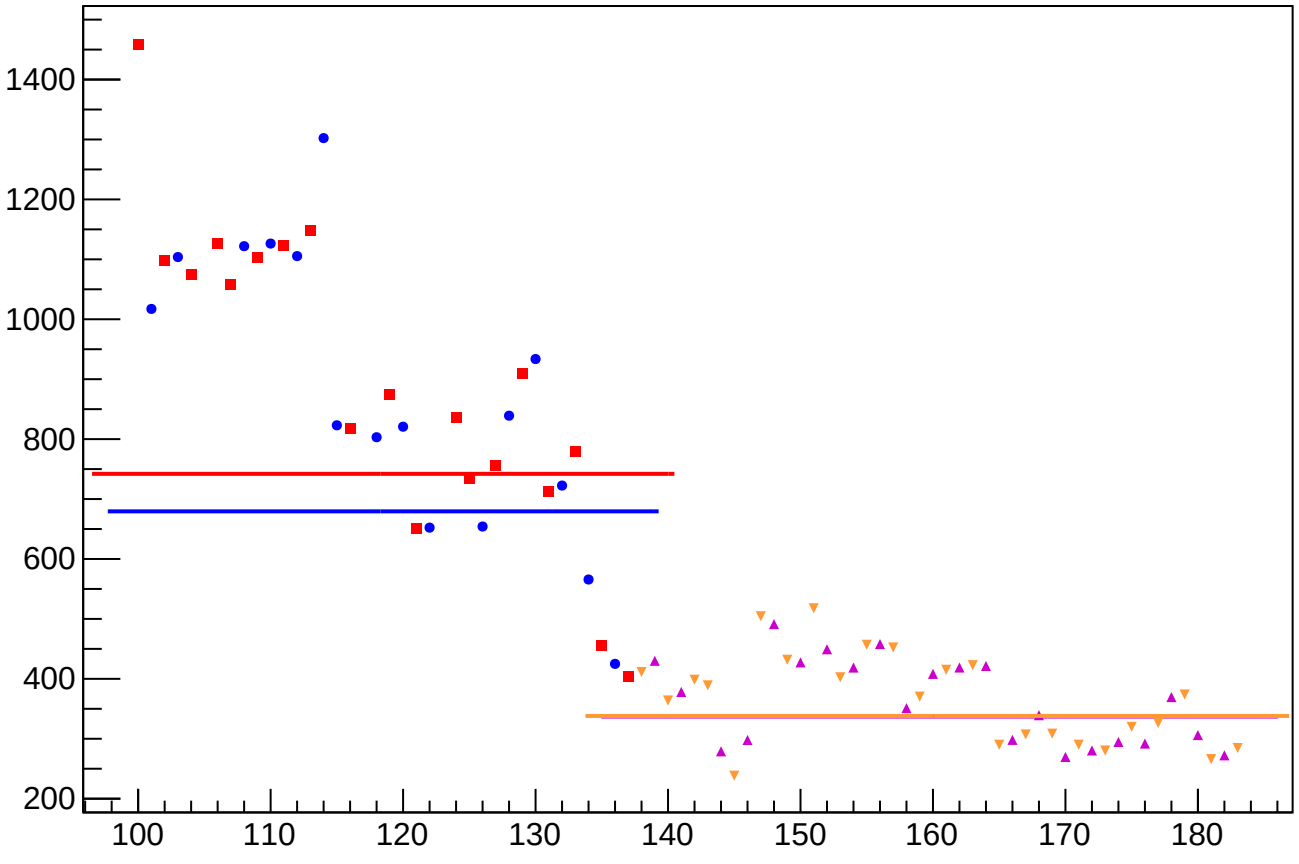
Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 21.262+/-81.177 χ^2/NDF:30.7/21

+ sign -127.501+/-76.074 χ^2/NDF: 53.9/39

All: -59.398+/-54.491 χ^2/NDF: 101.2/80

- sign 12.363+/-78.090 χ^2/NDF: 45.7/40



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 338.081+/-0.056 χ^2/NDF:1610407.4/23

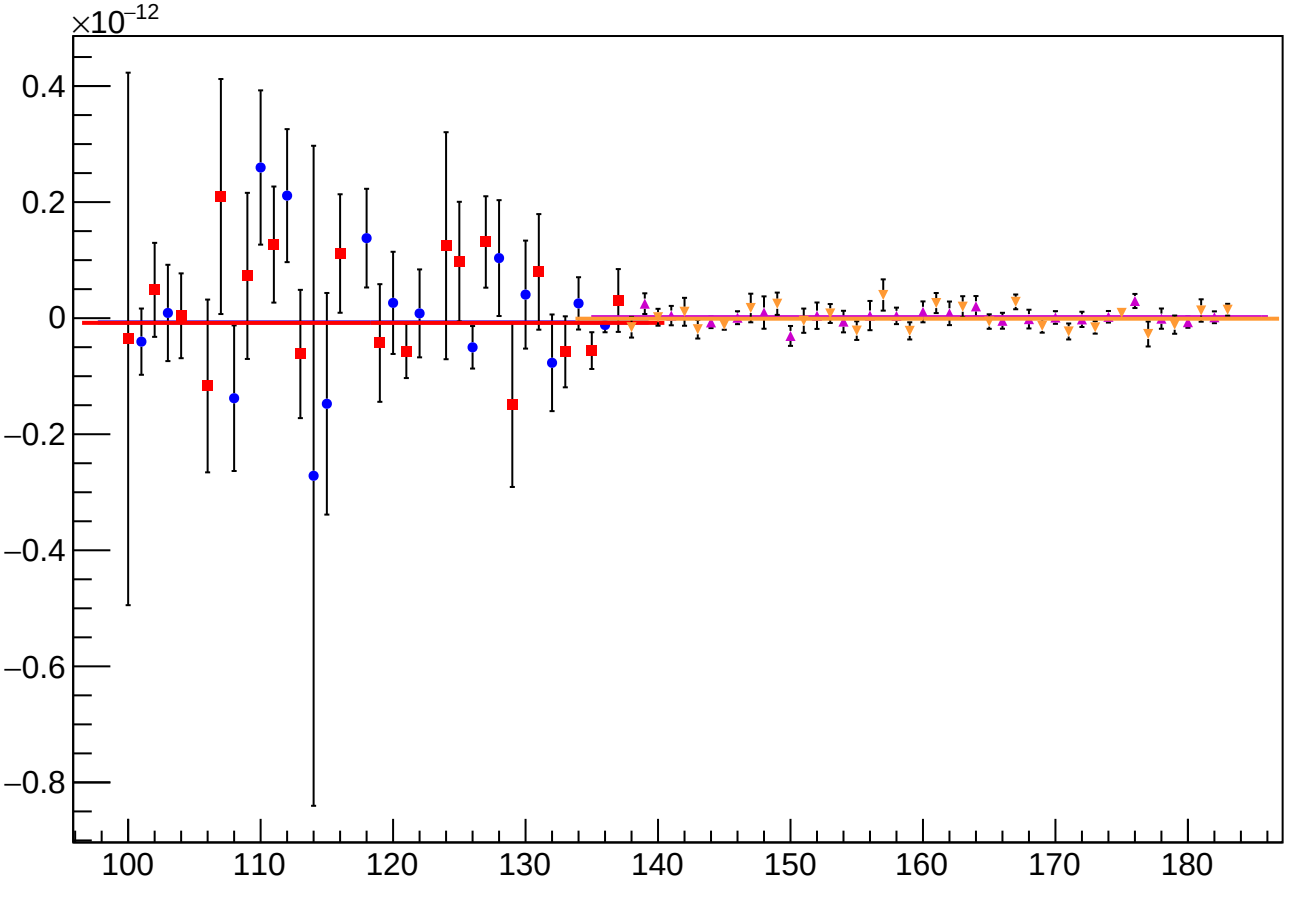
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 337.053+/-0.057 χ^2/NDF:1270896.6/21

+ sign 365.496+/-0.054 χ^2/NDF: 6185973.4/39

All: 366.362+/-0.039 χ^2/NDF: 12676714.8/80

- sign 367.274+/-0.055 χ^2/NDF: 6490209.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/23

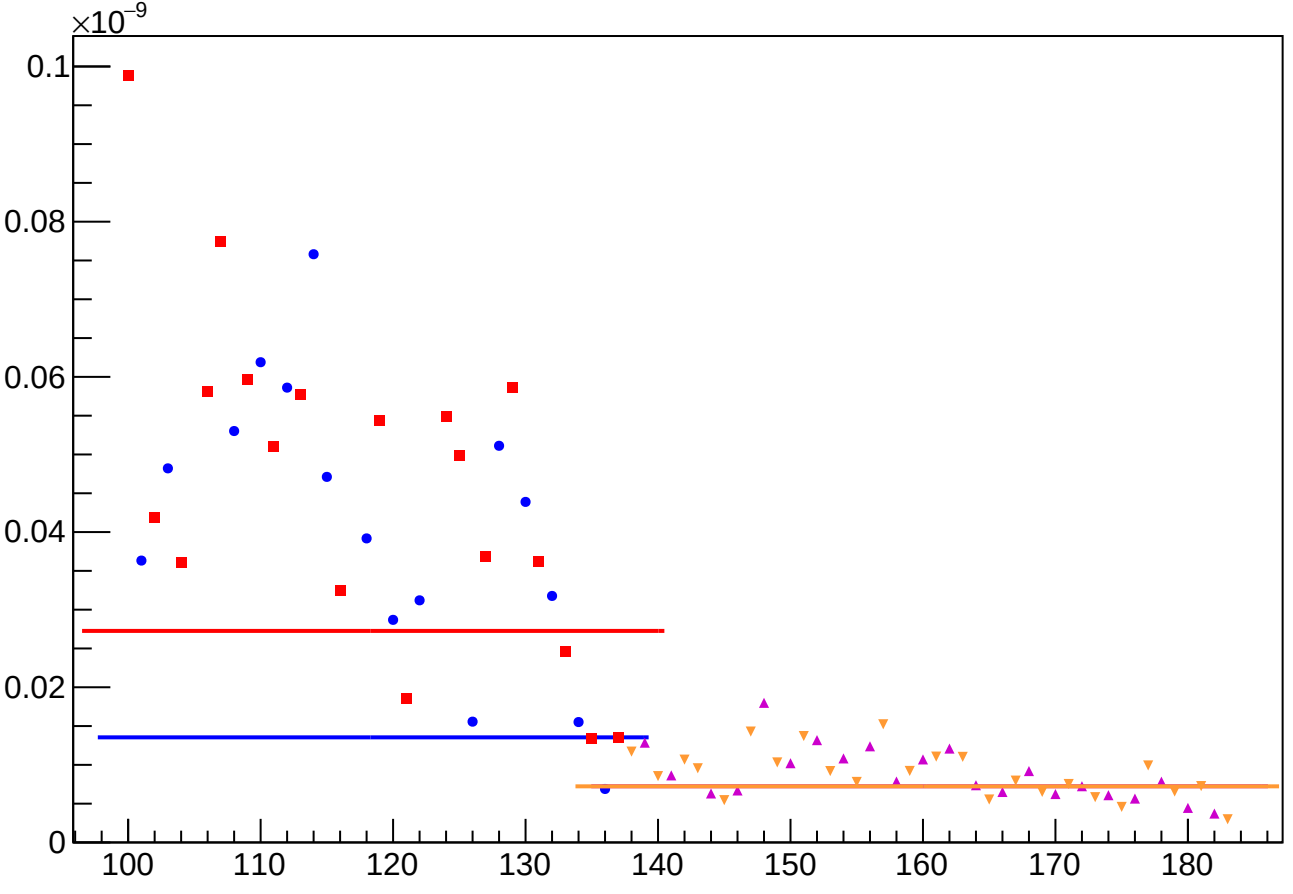
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/21

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/39

All: -0.000+/-0.000 χ^2/NDF: 82.9/80

- sign 0.000+/-0.000 χ^2/NDF: 31.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1830245.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

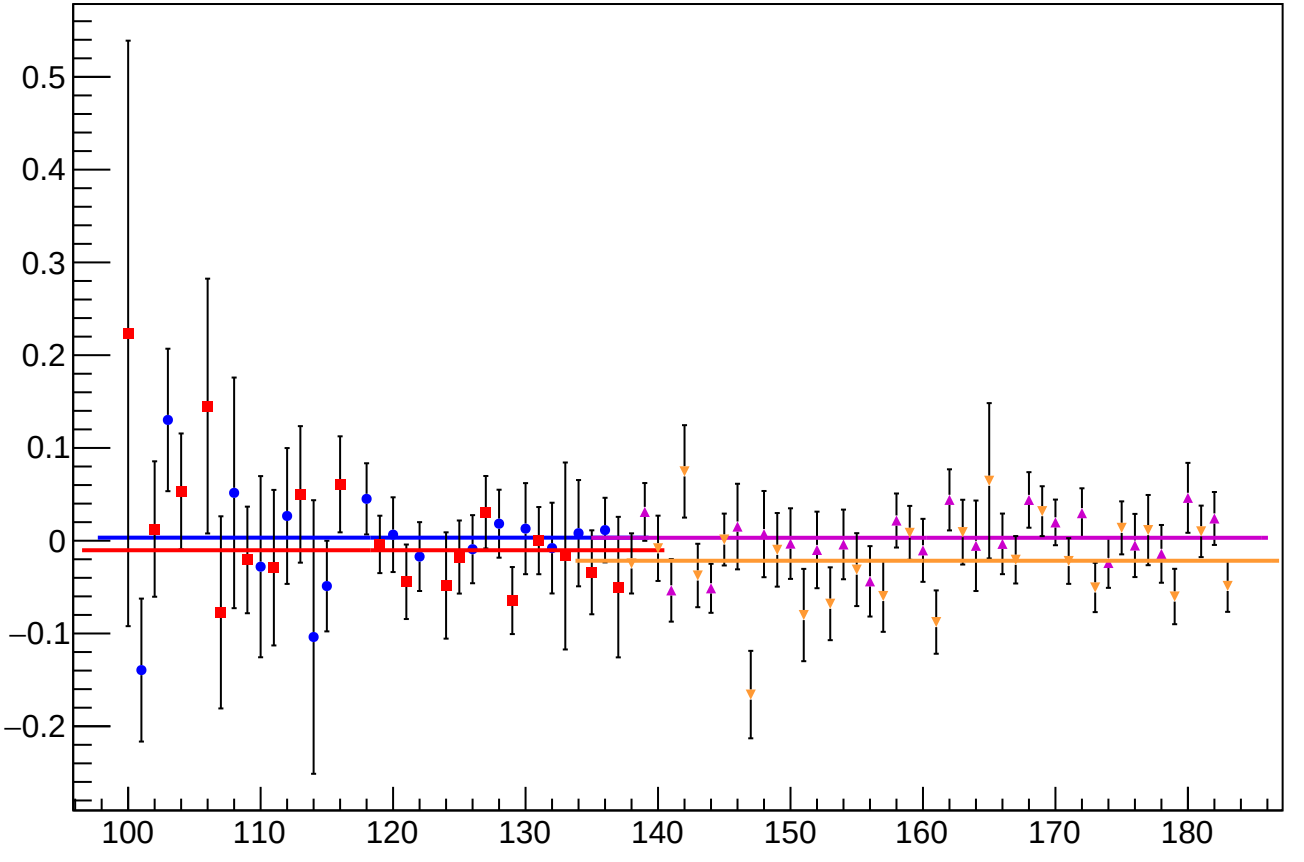
Left In: 0.000+/-0.000 χ^2/NDF:1597703.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 5553345.2/39

All: 0.000+/-0.000 χ^2/NDF: 11485993.5/80

- sign 0.000+/-0.000 χ^2/NDF: 5930302.4/40

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:36.0/23

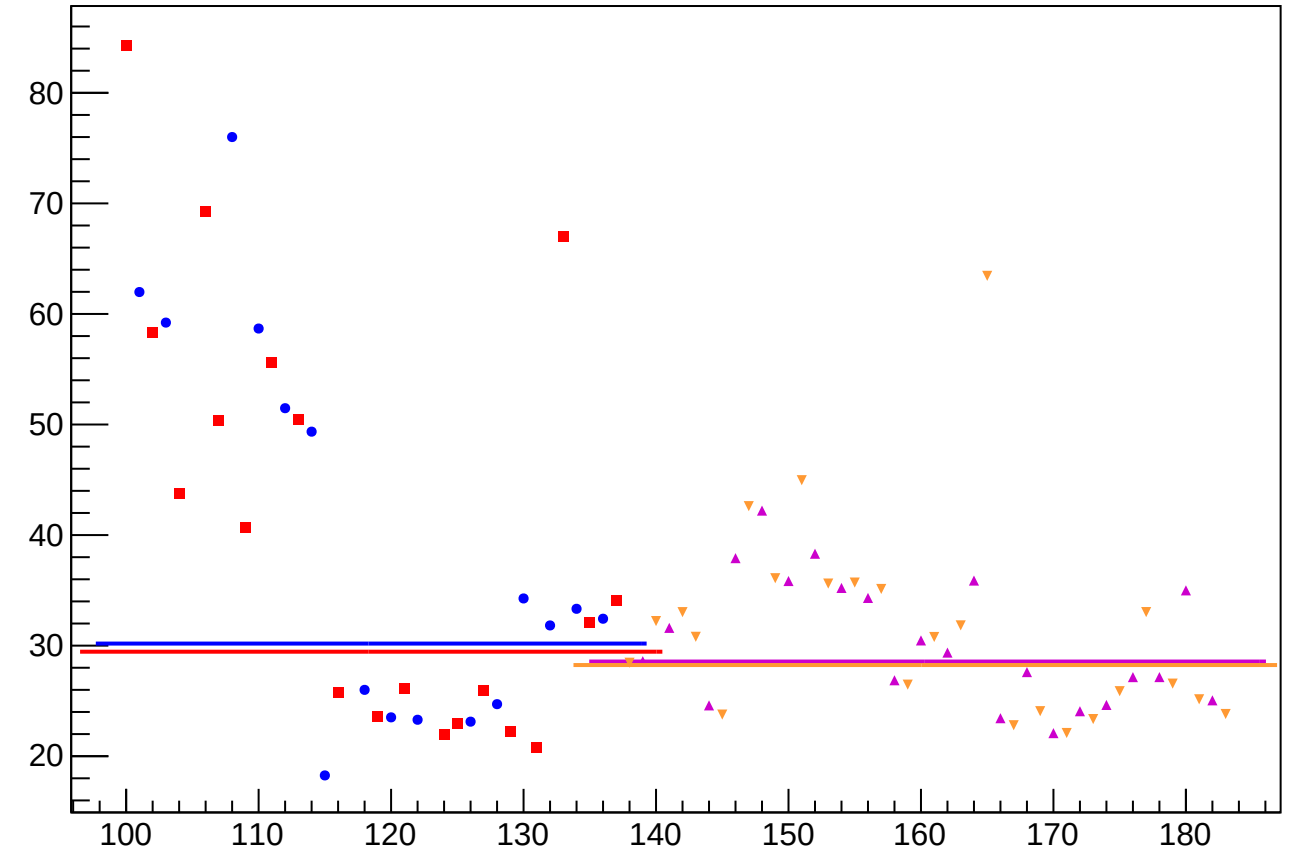
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.003+/-0.007 χ^2/NDF:18.3/21

+ sign -0.016+/-0.006 χ^2/NDF: 49.3/39

All: -0.008+/-0.004 χ^2/NDF: 83.3/80

- sign -0.000+/-0.006 χ^2/NDF: 30.5/40



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.245+/-0.005 χ^2/NDF:1654060.0/23

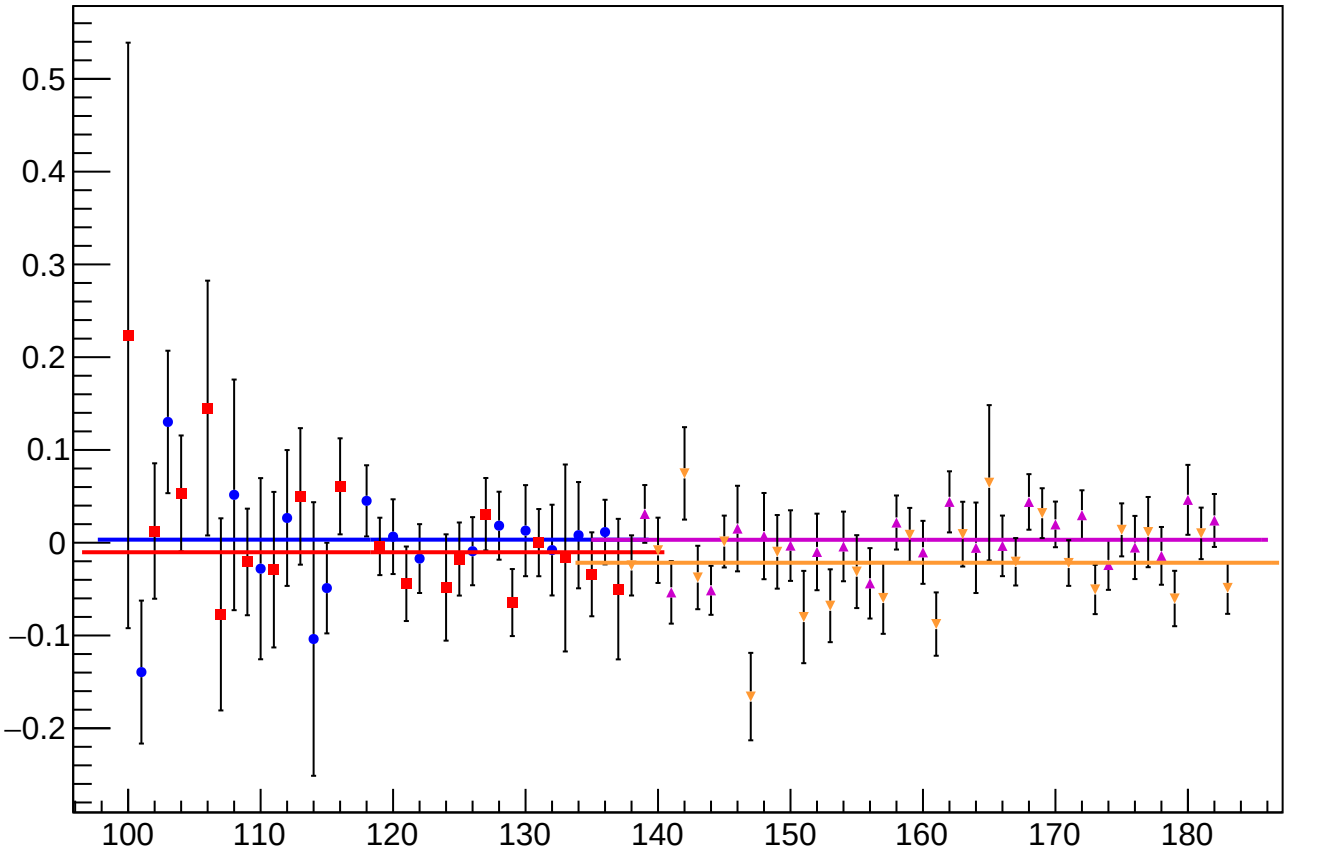
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.562+/-0.005 χ^2/NDF:1054276.4/21

+ sign 28.689+/-0.004 χ^2/NDF: 3380006.8/39

All: 28.739+/-0.003 χ^2/NDF: 6291628.7/80

- sign 28.791+/-0.004 χ^2/NDF: 2911324.4/40



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:36.0/23

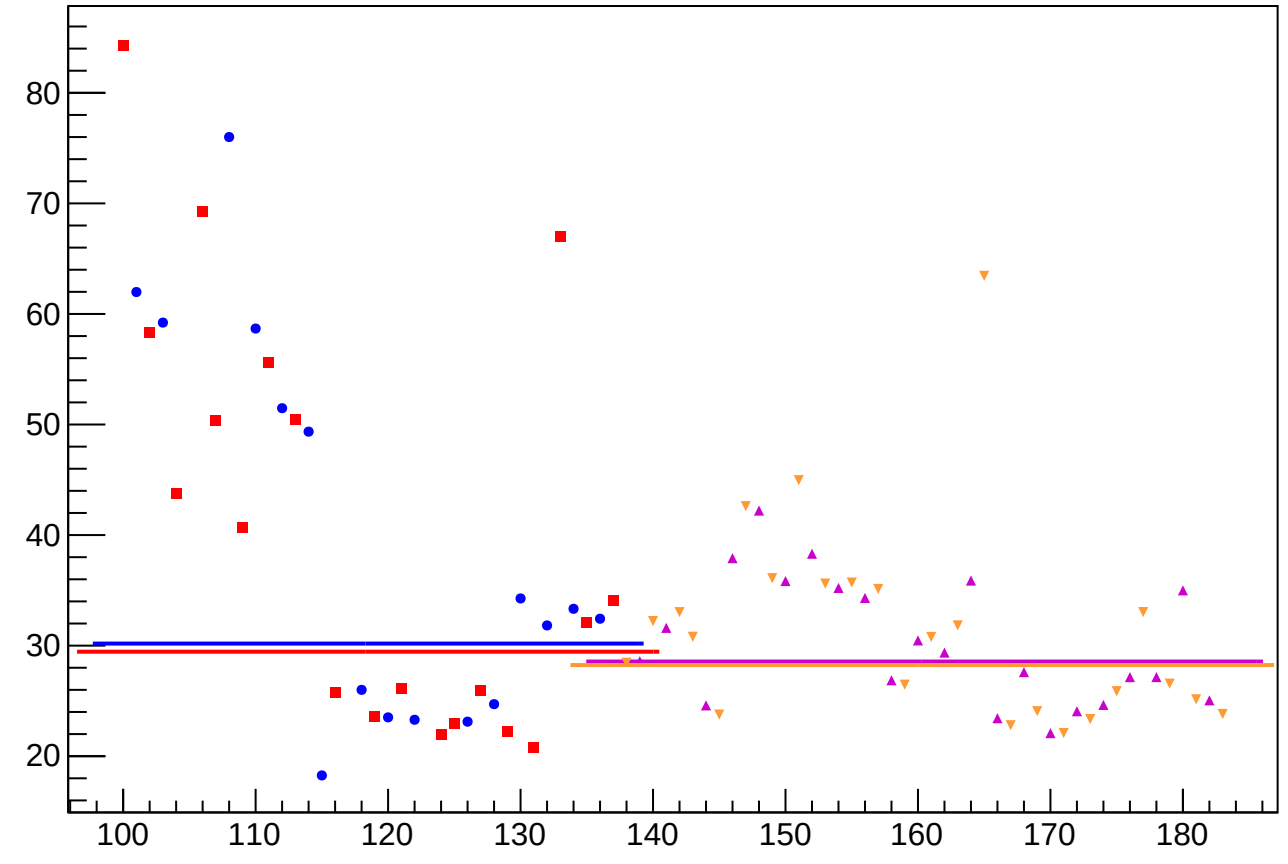
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.003+/-0.007 χ^2/NDF:18.3/21

+ sign -0.016+/-0.006 χ^2/NDF: 49.3/39

All: -0.008+/-0.004 χ^2/NDF: 83.3/80

- sign -0.000+/-0.006 χ^2/NDF: 30.5/40



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.245+/-0.005 χ^2/NDF:1654060.0/23

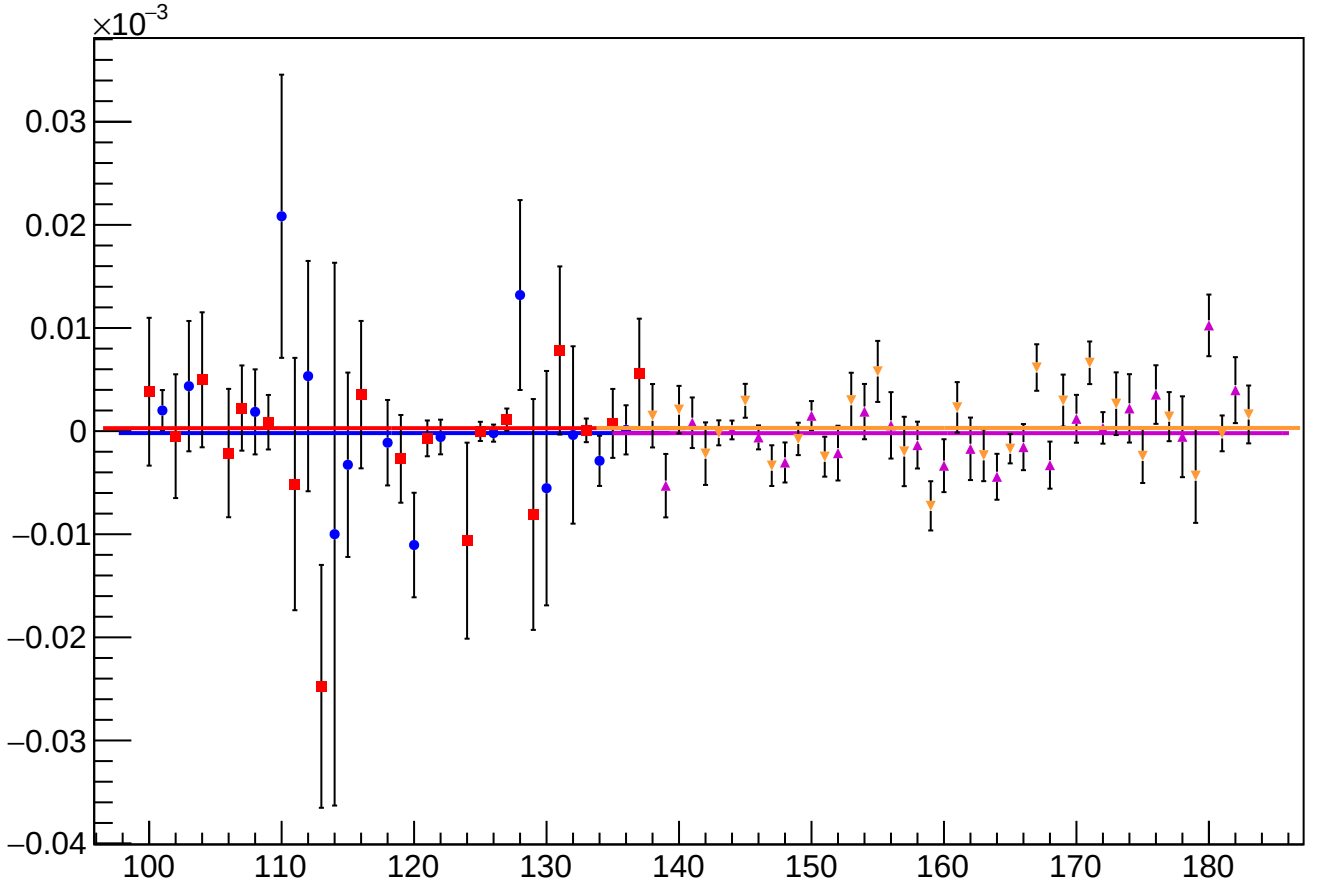
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.562+/-0.005 χ^2/NDF:1054276.4/21

+ sign 28.689+/-0.004 χ^2/NDF: 3380006.8/39

All: 28.739+/-0.003 χ^2/NDF: 6291628.7/80

- sign 28.791+/-0.004 χ^2/NDF: 2911324.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.2/23

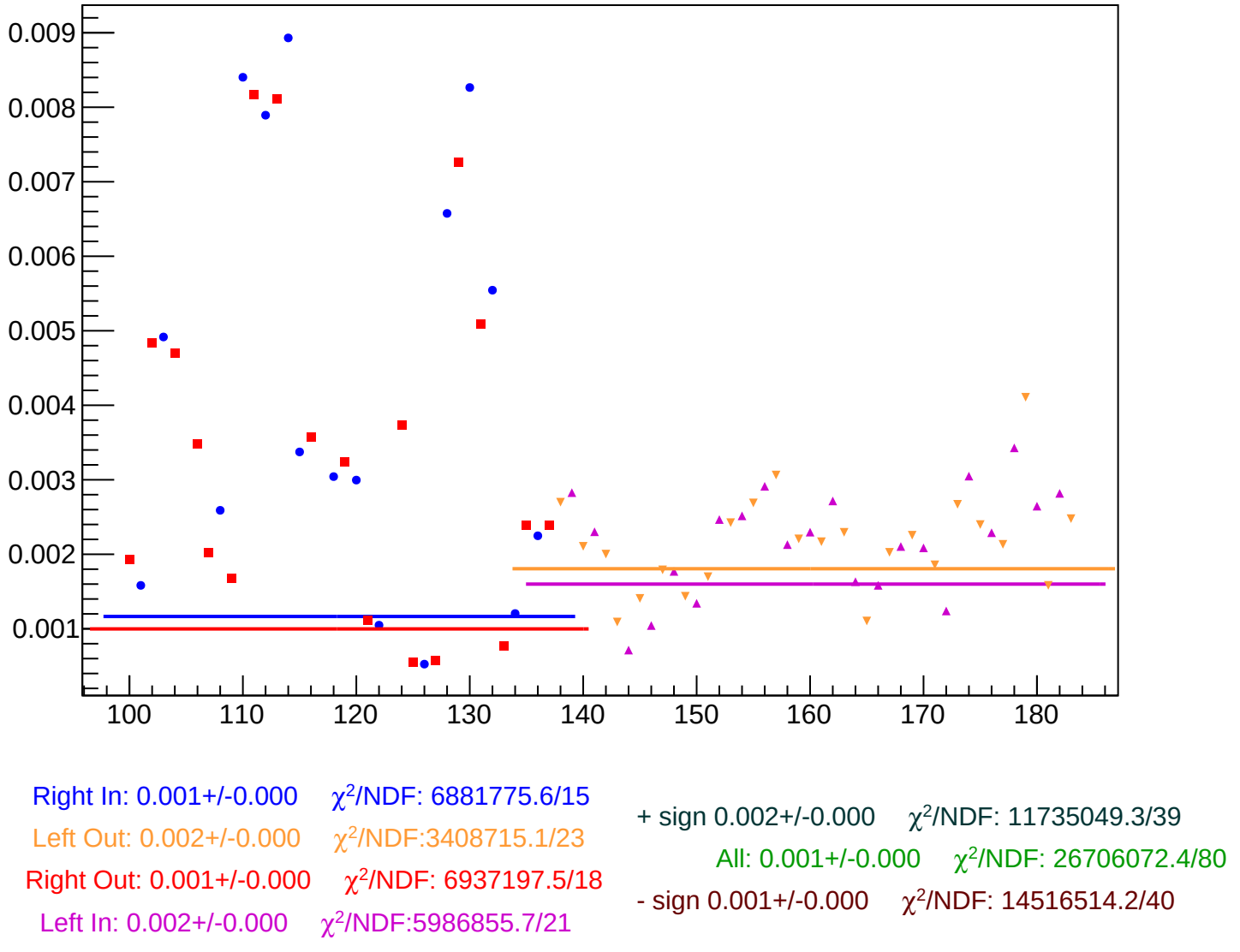
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

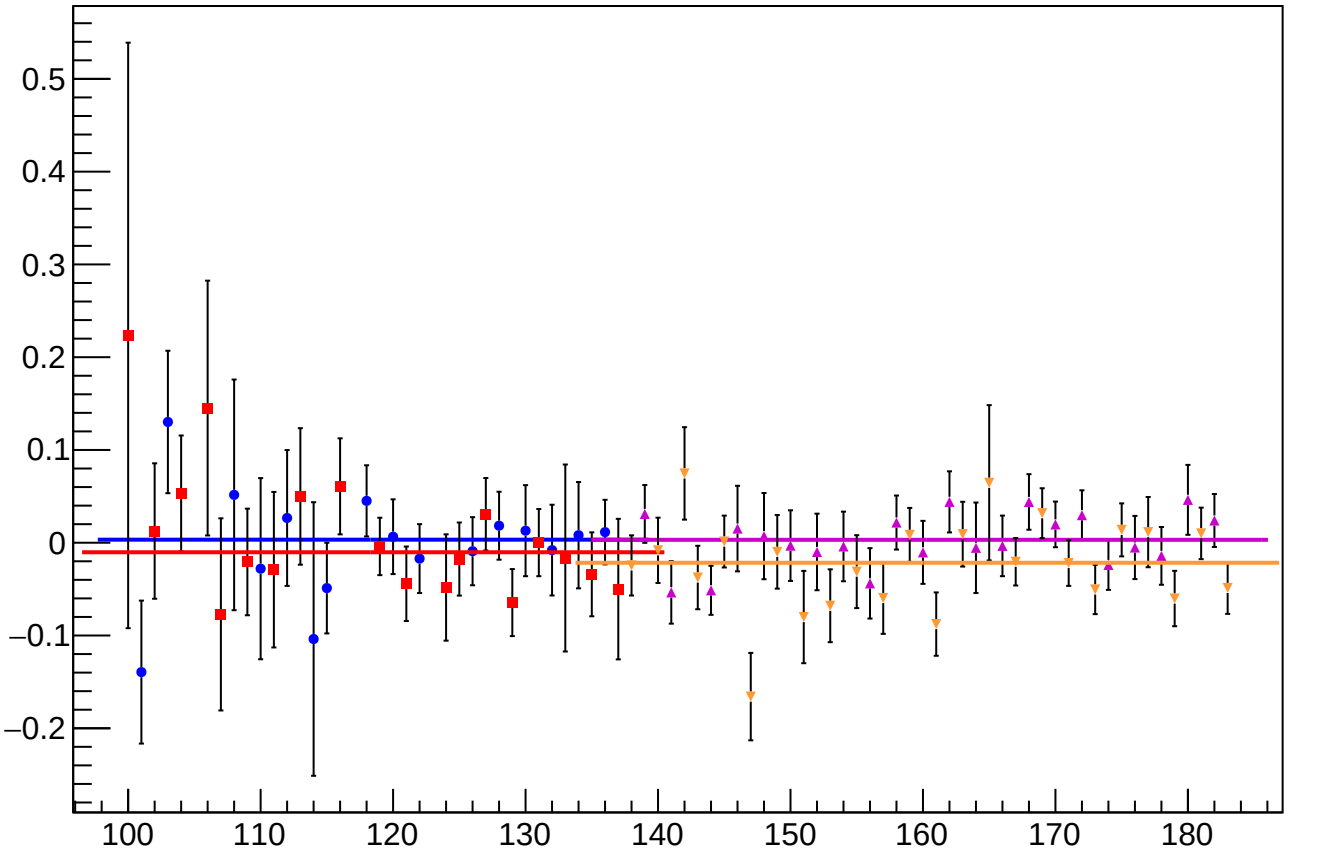
Left In: -0.000+/-0.000 χ^2/NDF:32.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 62.7/39

All: 0.000+/-0.000 χ^2/NDF: 107.2/80

- sign -0.000+/-0.000 χ^2/NDF: 44.4/40


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:3408715.1/23
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.002+/-0.000 χ²/NDF:5986855.7/21
+ sign 0.002+/-0.000 χ²/NDF: 11735049.3/39
All: 0.001+/-0.000 χ²/NDF: 26706072.4/80
- sign 0.001+/-0.000 χ²/NDF: 14516514.2/40



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:36.0/23

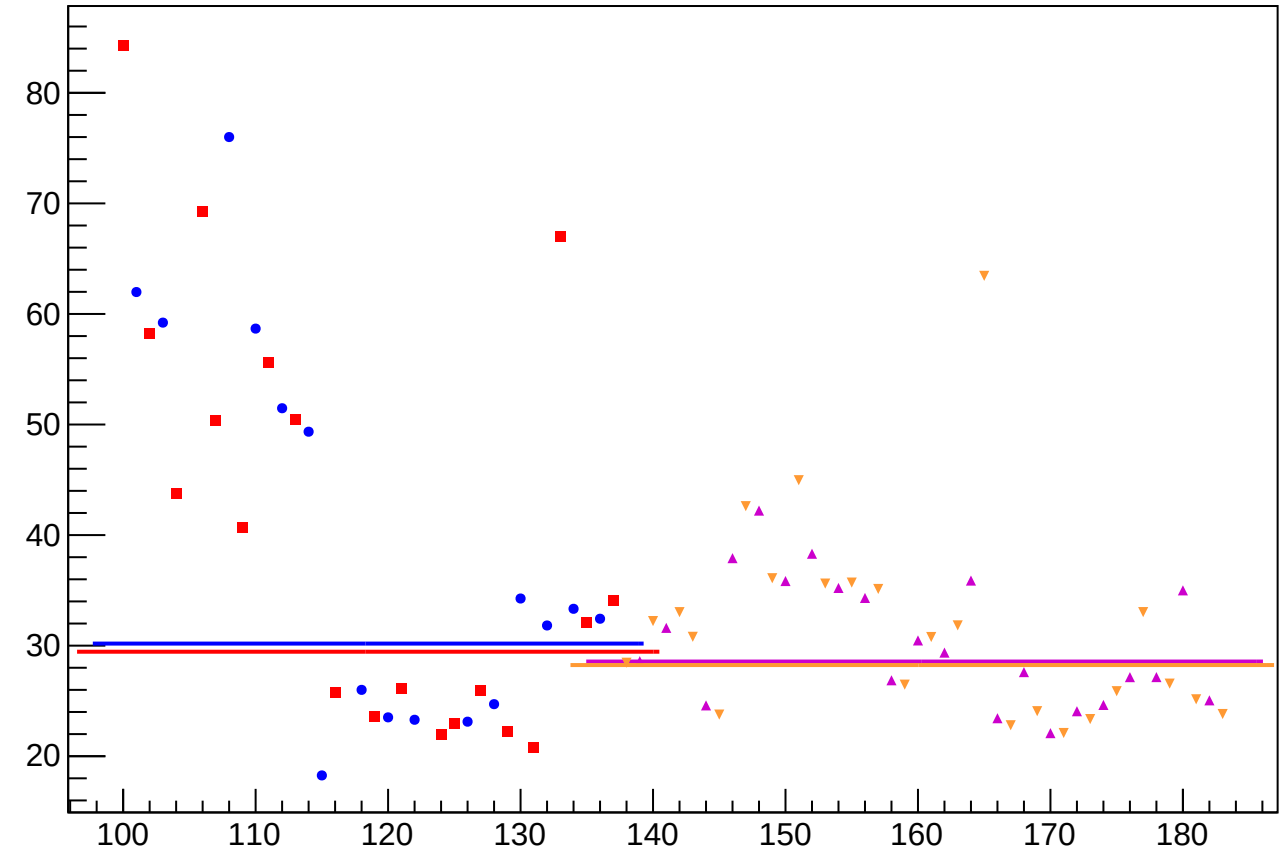
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.003+/-0.007 χ^2/NDF:18.3/21

+ sign -0.016+/-0.006 χ^2/NDF: 49.3/39

All: -0.008+/-0.004 χ^2/NDF: 83.3/80

- sign -0.000+/-0.006 χ^2/NDF: 30.5/40



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.245+/-0.005 χ^2/NDF:1654051.2/23

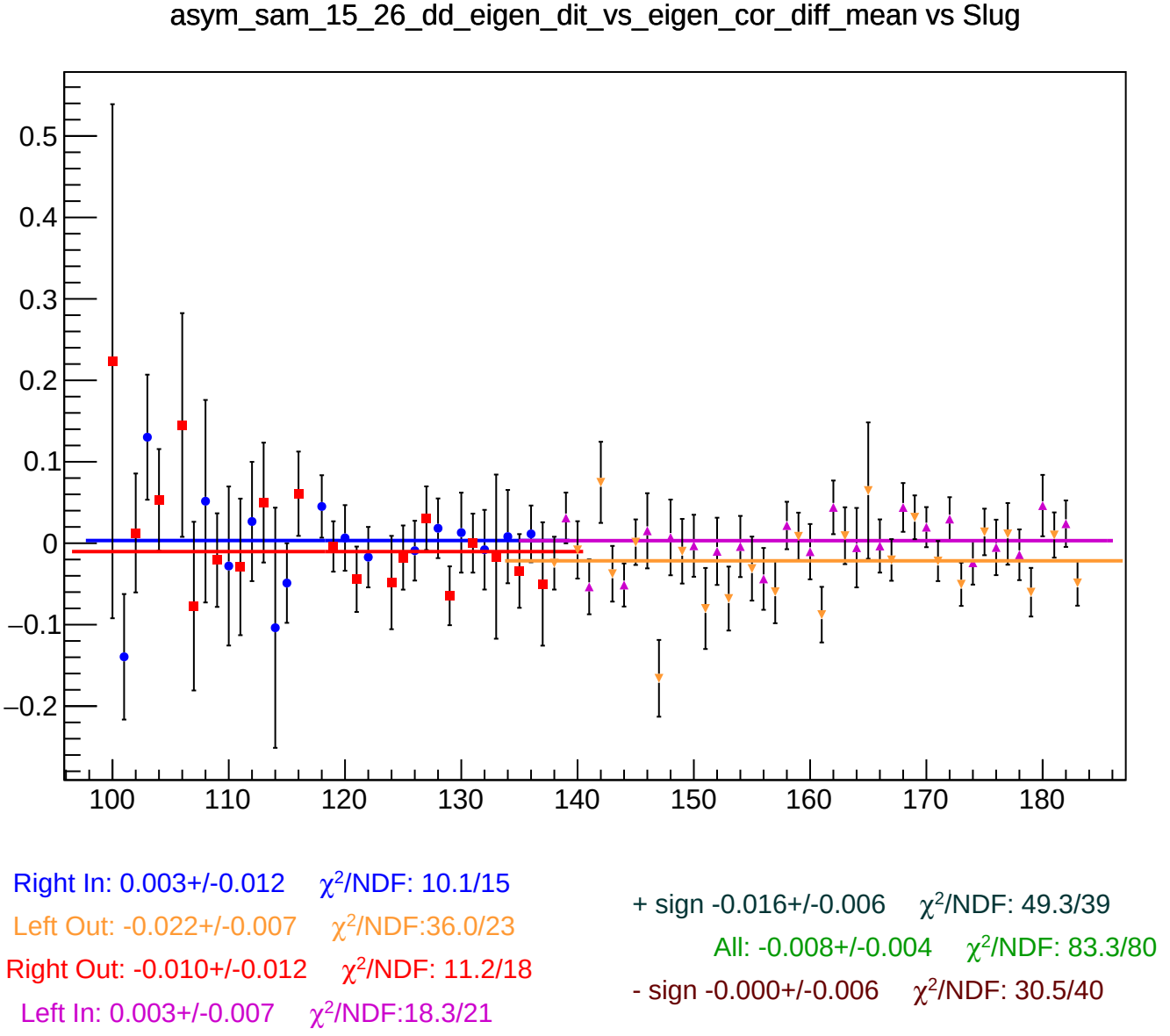
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

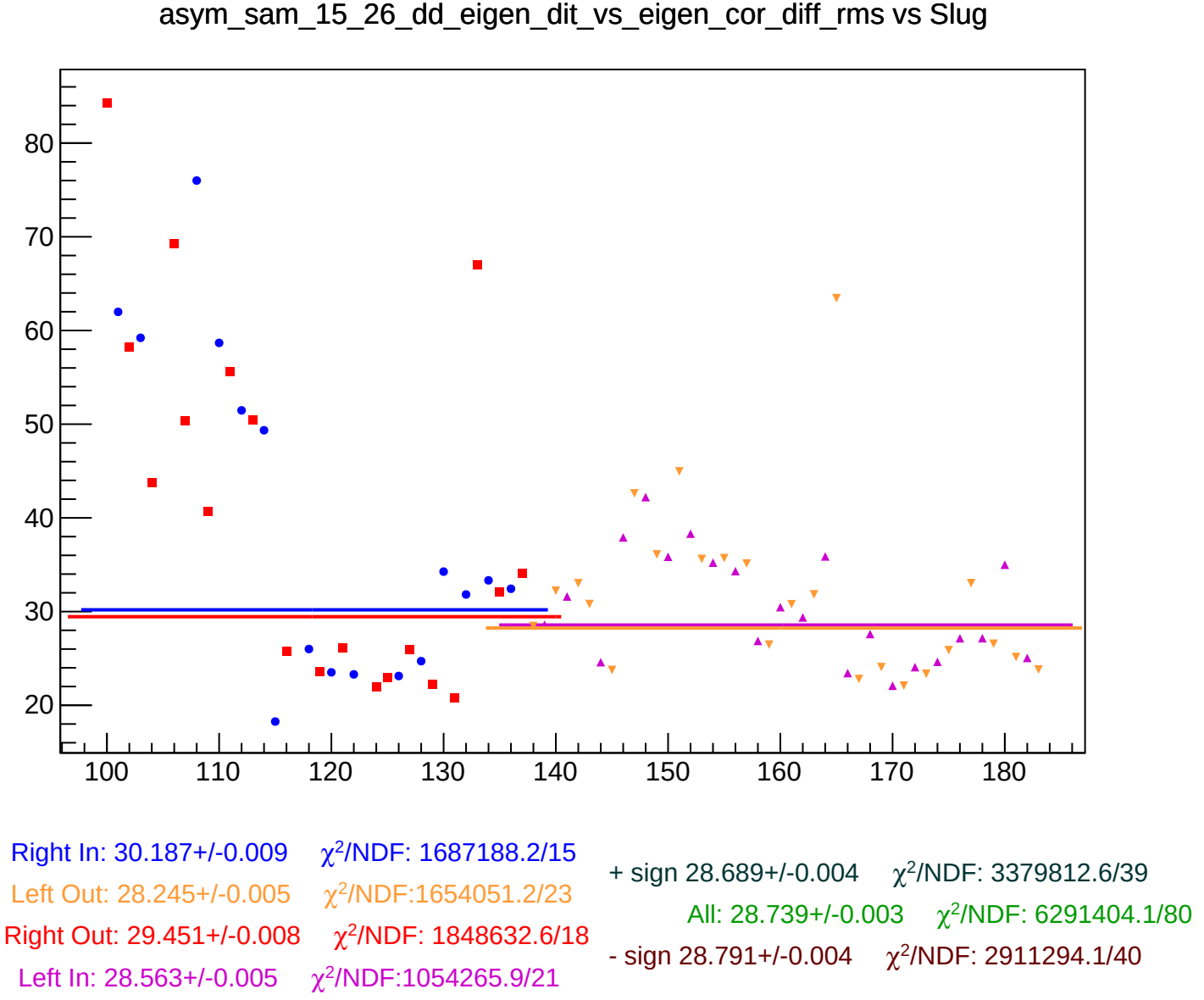
Left In: 28.563+/-0.005 χ^2/NDF:1054265.9/21

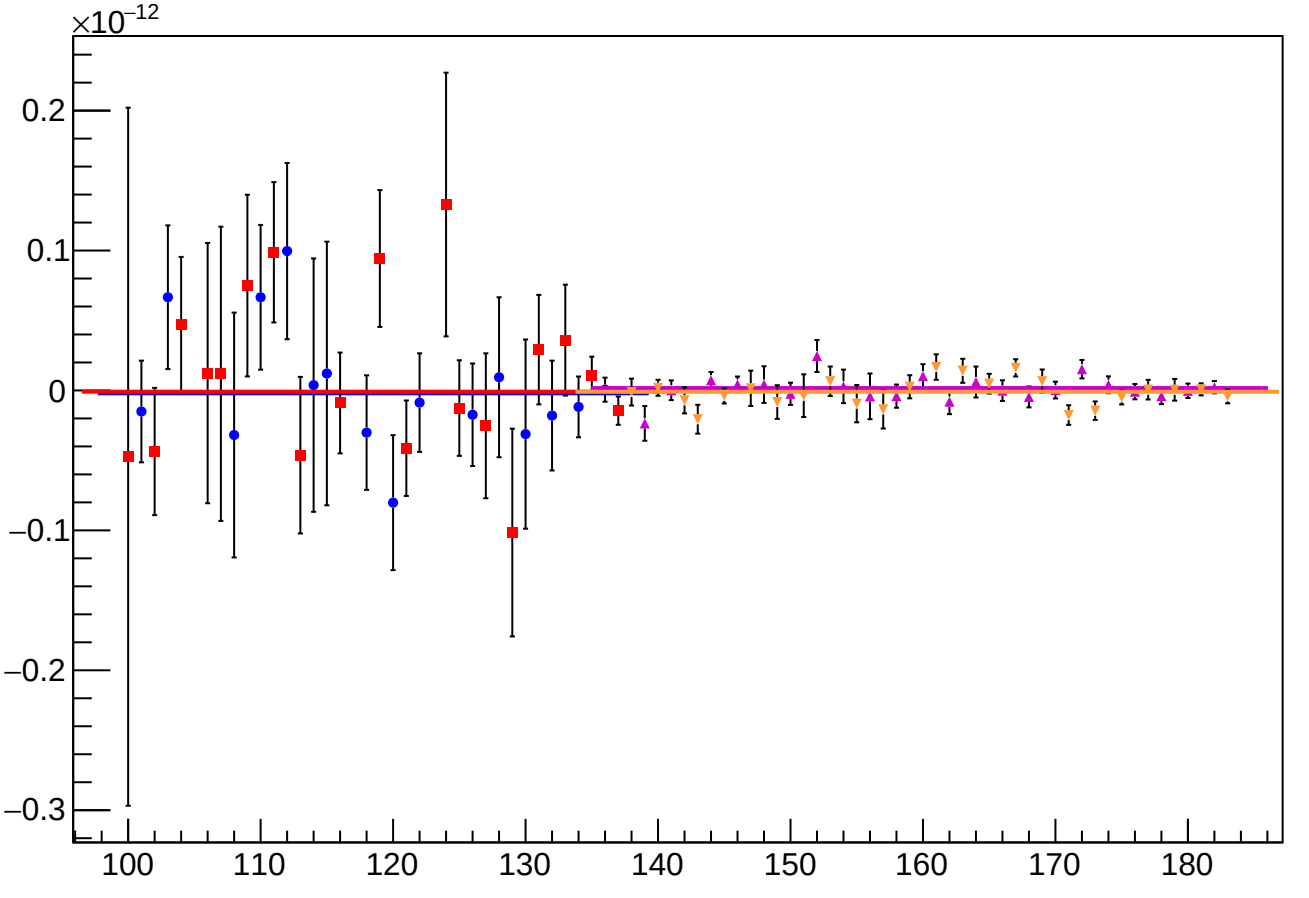
\+ sign 28.689+/-0.004 χ^2/NDF: 3379812.6/39

All: 28.739+/-0.003 χ^2/NDF: 6291404.1/80

\- sign 28.791+/-0.004 χ^2/NDF: 2911294.1/40


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.022+/-0.007 χ²/NDF:36.0/23
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.003+/-0.007 χ²/NDF:18.3/21
+ sign -0.016+/-0.006 χ²/NDF: 49.3/39
All: -0.008+/-0.004 χ²/NDF: 83.3/80
- sign -0.000+/-0.006 χ²/NDF: 30.5/40


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 28.245+/-0.005 χ²/NDF:1654051.2/23
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 28.563+/-0.005 χ²/NDF:1054265.9/21
+ sign 28.689+/-0.004 χ²/NDF: 3379812.6/39
All: 28.739+/-0.003 χ²/NDF: 6291404.1/80
- sign 28.791+/-0.004 χ²/NDF: 2911294.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/23

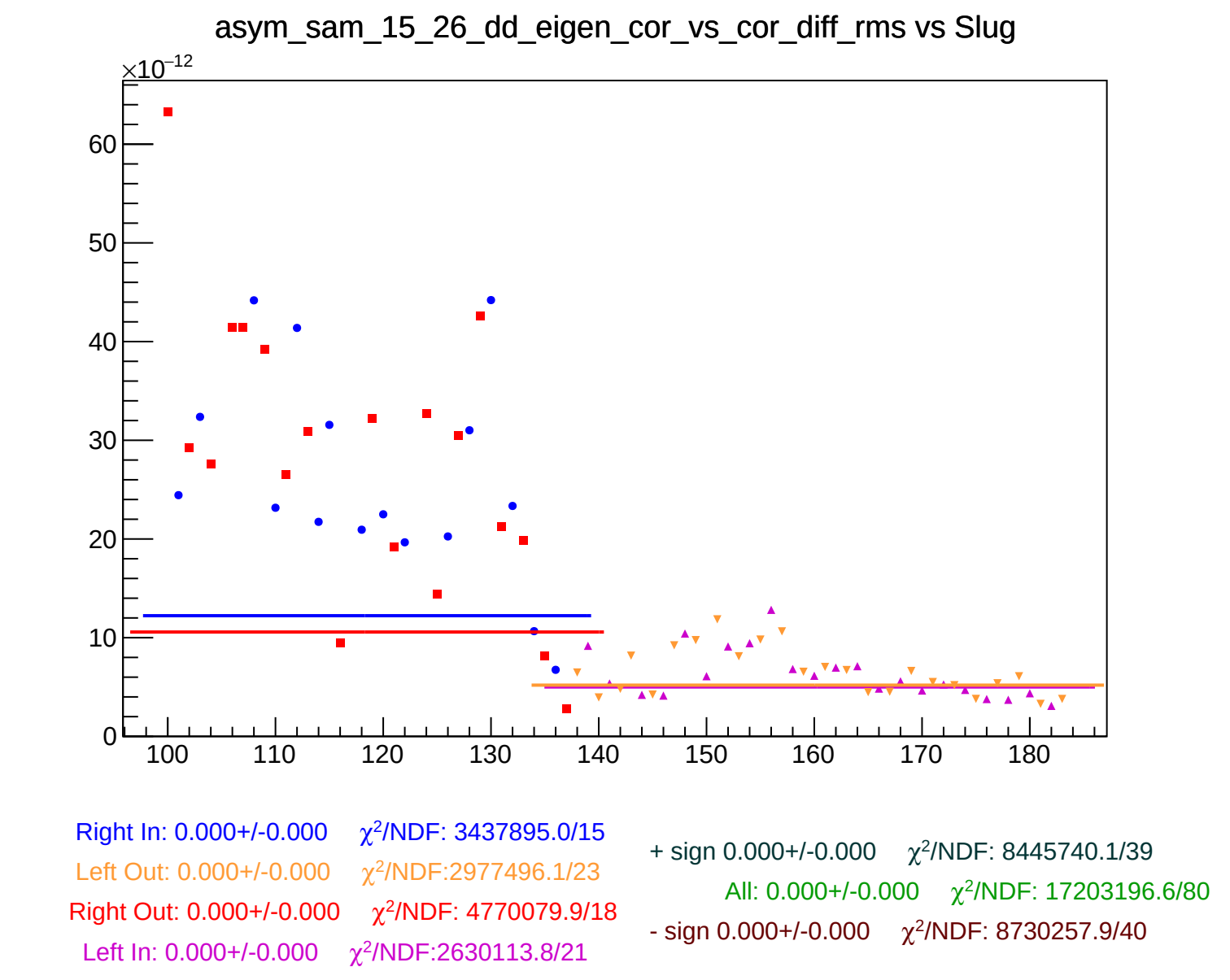
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.2/21

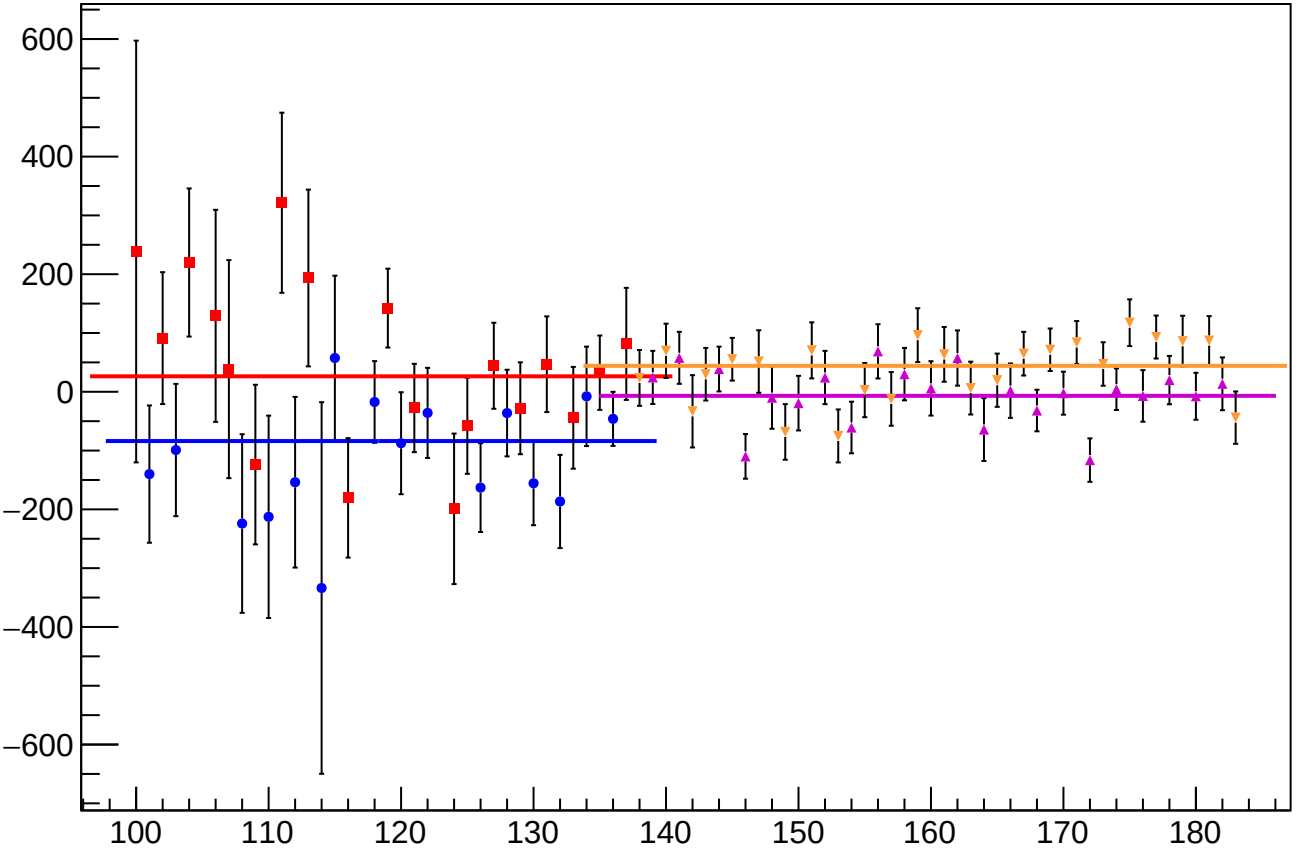
+ sign -0.000+/-0.000 χ^2/NDF: 44.5/39

All: 0.000+/-0.000 χ^2/NDF: 86.8/80

- sign 0.000+/-0.000 χ^2/NDF: 40.8/40


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2977496.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:2630113.8/21
+ sign 0.000+/-0.000 χ²/NDF: 8445740.1/39
All: 0.000+/-0.000 χ²/NDF: 17203196.6/80
- sign 0.000+/-0.000 χ²/NDF: 8730257.9/40

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 44.124+/-8.767 χ^2/NDF:33.2/23

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

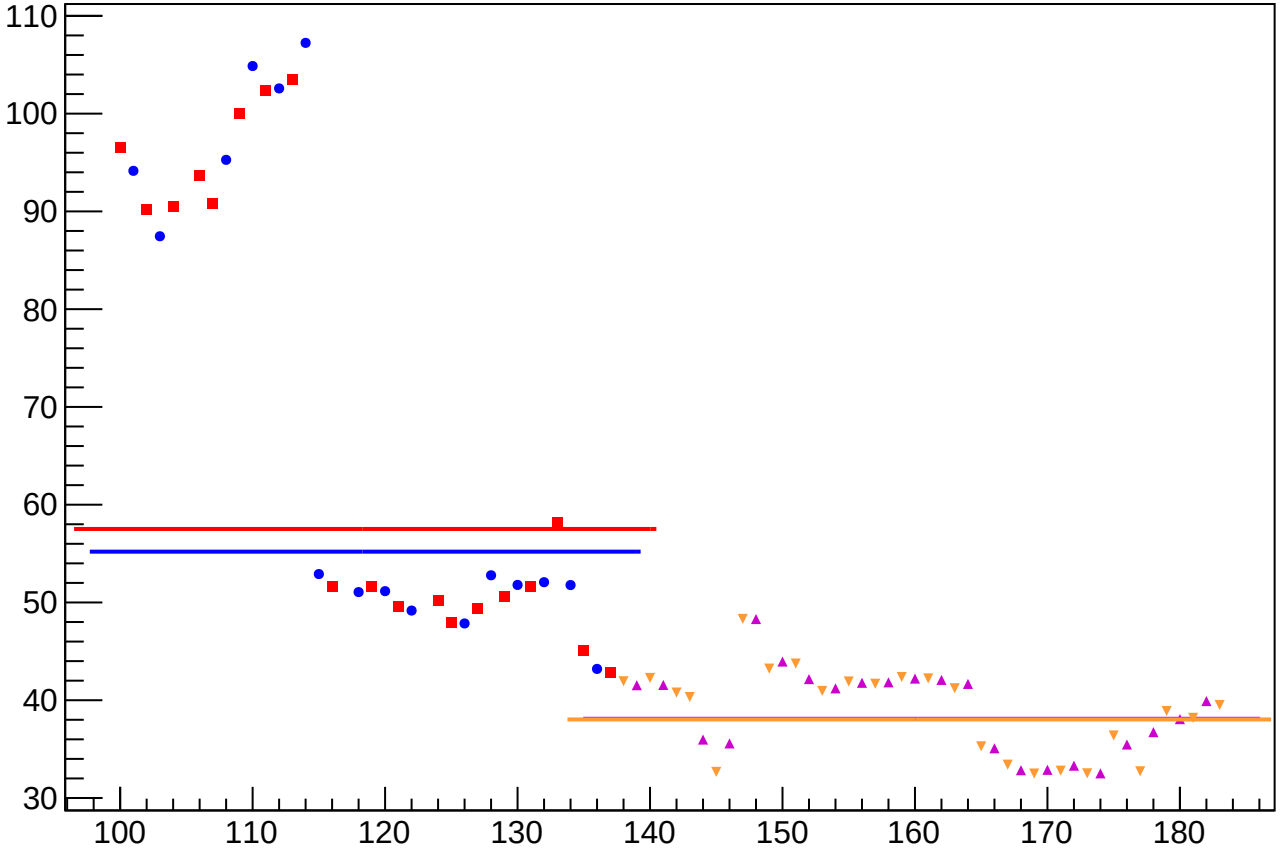
Left In: -6.890+/-9.042 χ^2/NDF:29.9/21

+ sign 25.787+/-8.115 χ^2/NDF: 74.3/39

All: 12.261+/-5.825 χ^2/NDF: 134.9/80

- sign -2.119+/-8.367 χ^2/NDF: 54.8/40

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 38.033+/-0.006 χ^2/NDF:510502.7/23

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

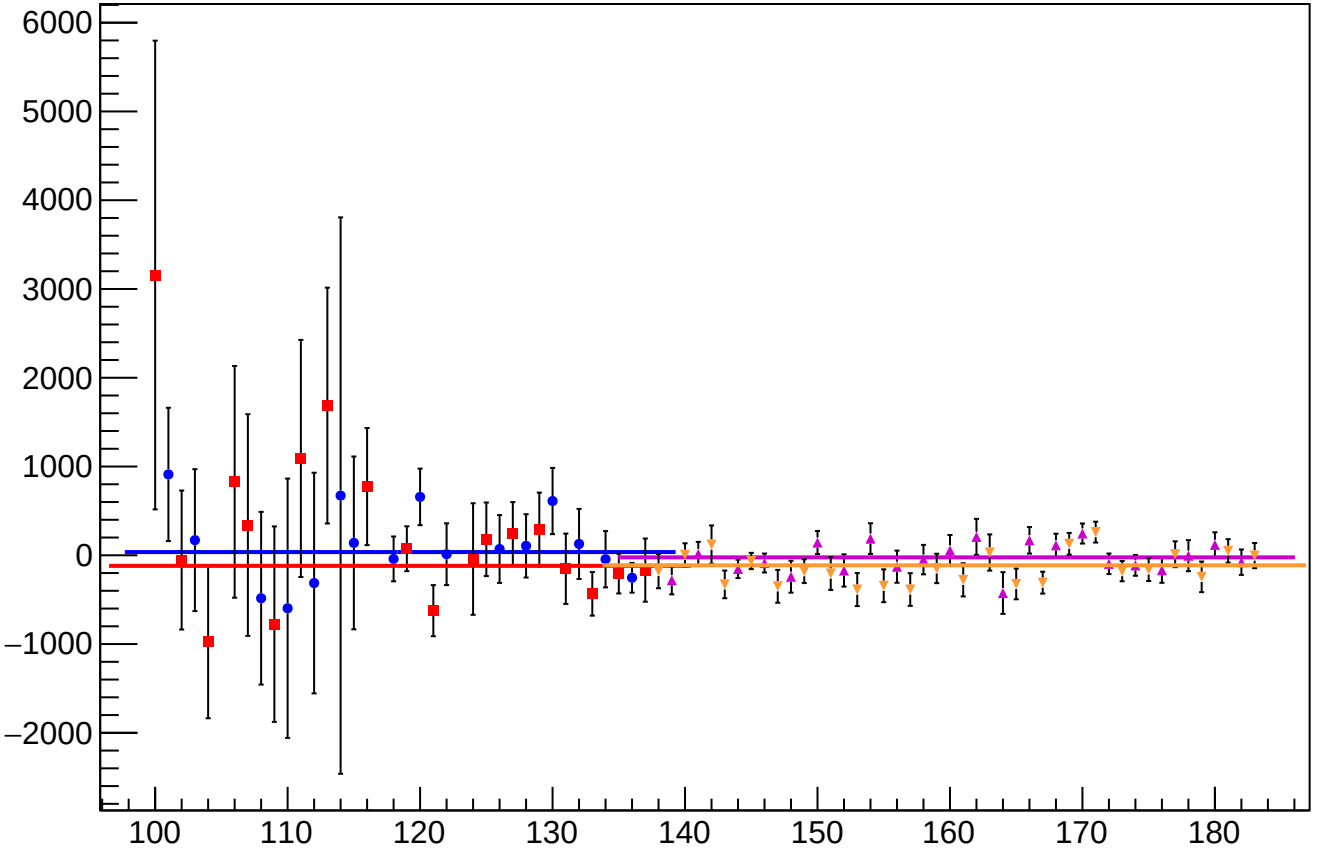
Left In: 38.102+/-0.006 χ^2/NDF:426794.3/21

+ sign 40.493+/-0.006 χ^2/NDF: 2761789.9/39

All: 40.687+/-0.004 χ^2/NDF: 5798597.9/80

- sign 40.894+/-0.006 χ^2/NDF: 3034449.2/40

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -112.682+/-29.864 χ^2/NDF:35.5/23

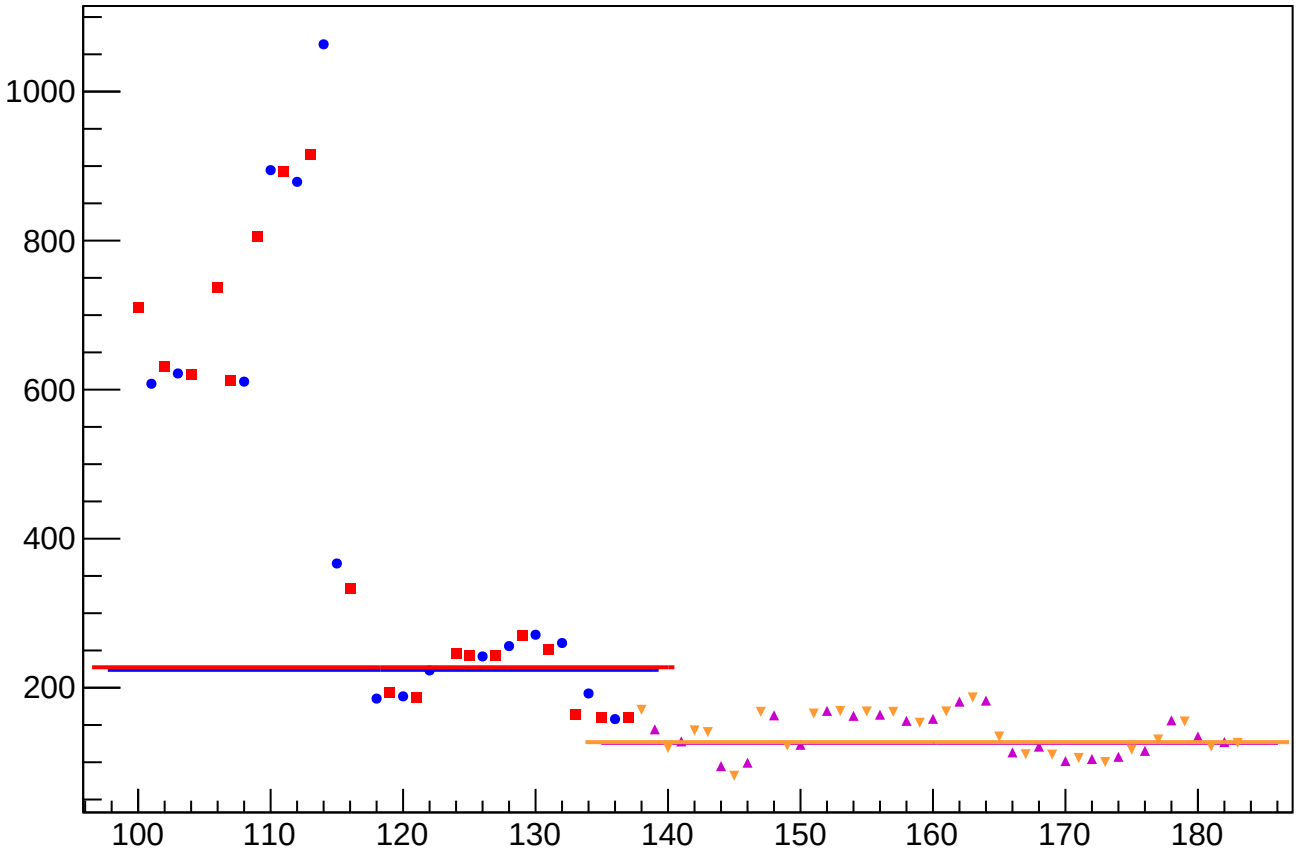
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -23.107+/-30.434 χ^2/NDF:26.2/21

\+ sign -98.905+/-28.450 χ^2/NDF: 49.2/39

All: -66.055+/-20.311 χ^2/NDF: 95.0/80

\- sign -31.907+/-29.006 χ^2/NDF: 43.1/40



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.975+/-0.021 χ^2/NDF:1738960.8/23

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

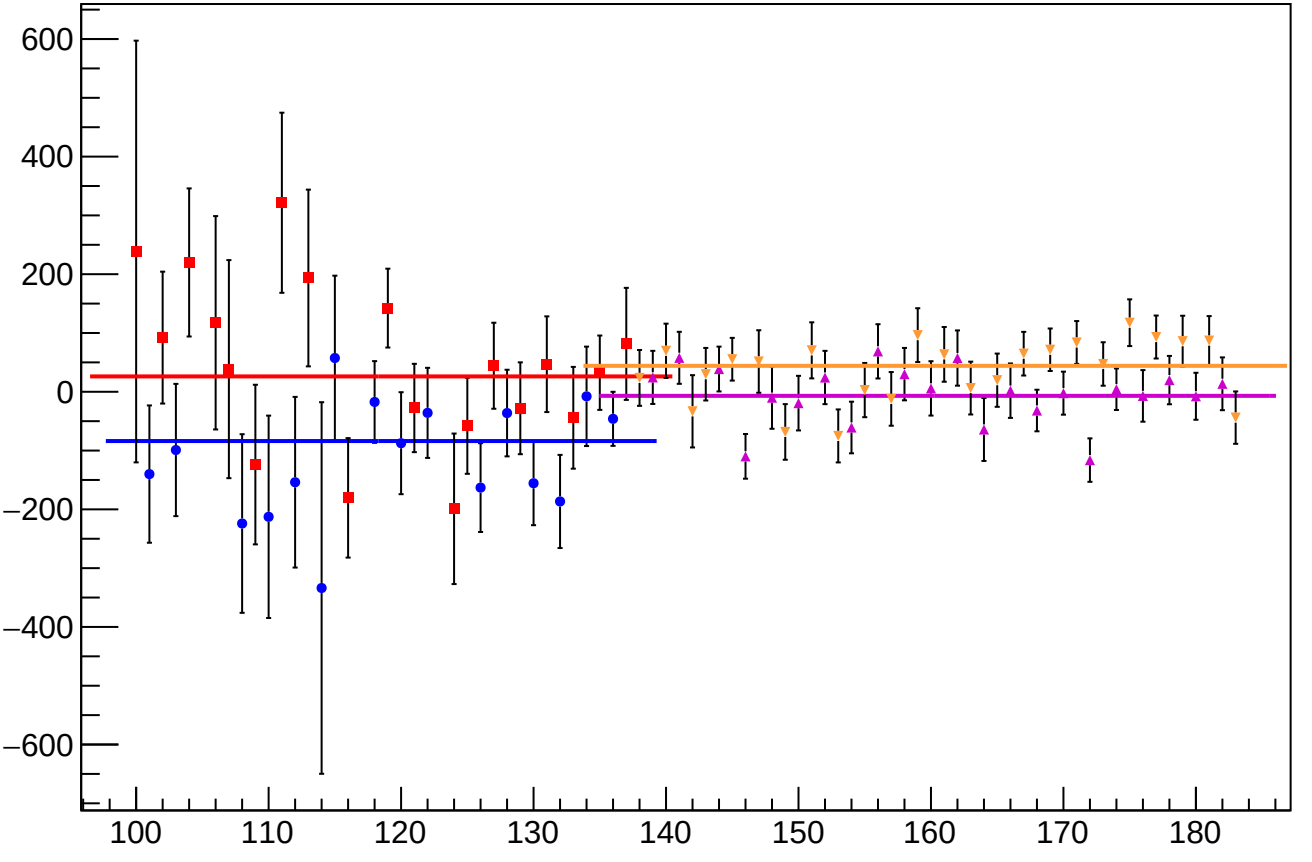
Left In: 125.964+/-0.022 χ^2/NDF:1410334.6/21

+ sign 135.950+/-0.020 χ^2/NDF: 6660586.9/39

All: 135.612+/-0.014 χ^2/NDF: 13749567.8/80

- sign 135.262+/-0.021 χ^2/NDF: 7088407.3/40

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 44.125+/-8.767 χ^2/NDF:33.2/23

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

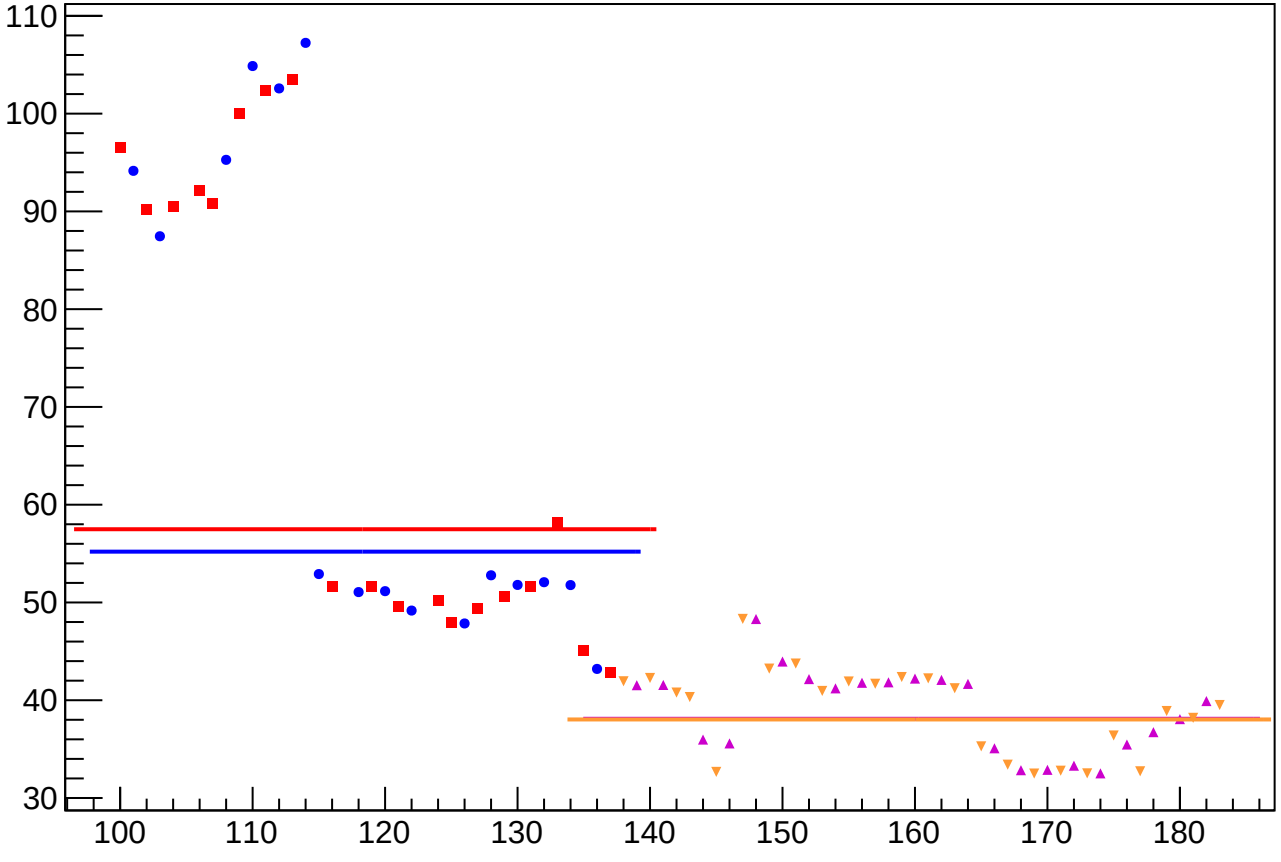
Left In: -6.891+/-9.042 χ^2/NDF:29.9/21

+ sign 25.789+/-8.115 χ^2/NDF: 74.3/39

All: 12.250+/-5.825 χ^2/NDF: 134.8/80

- sign -2.143+/-8.367 χ^2/NDF: 54.8/40

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.033+/-0.006 χ^2/NDF:510502.7/23

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

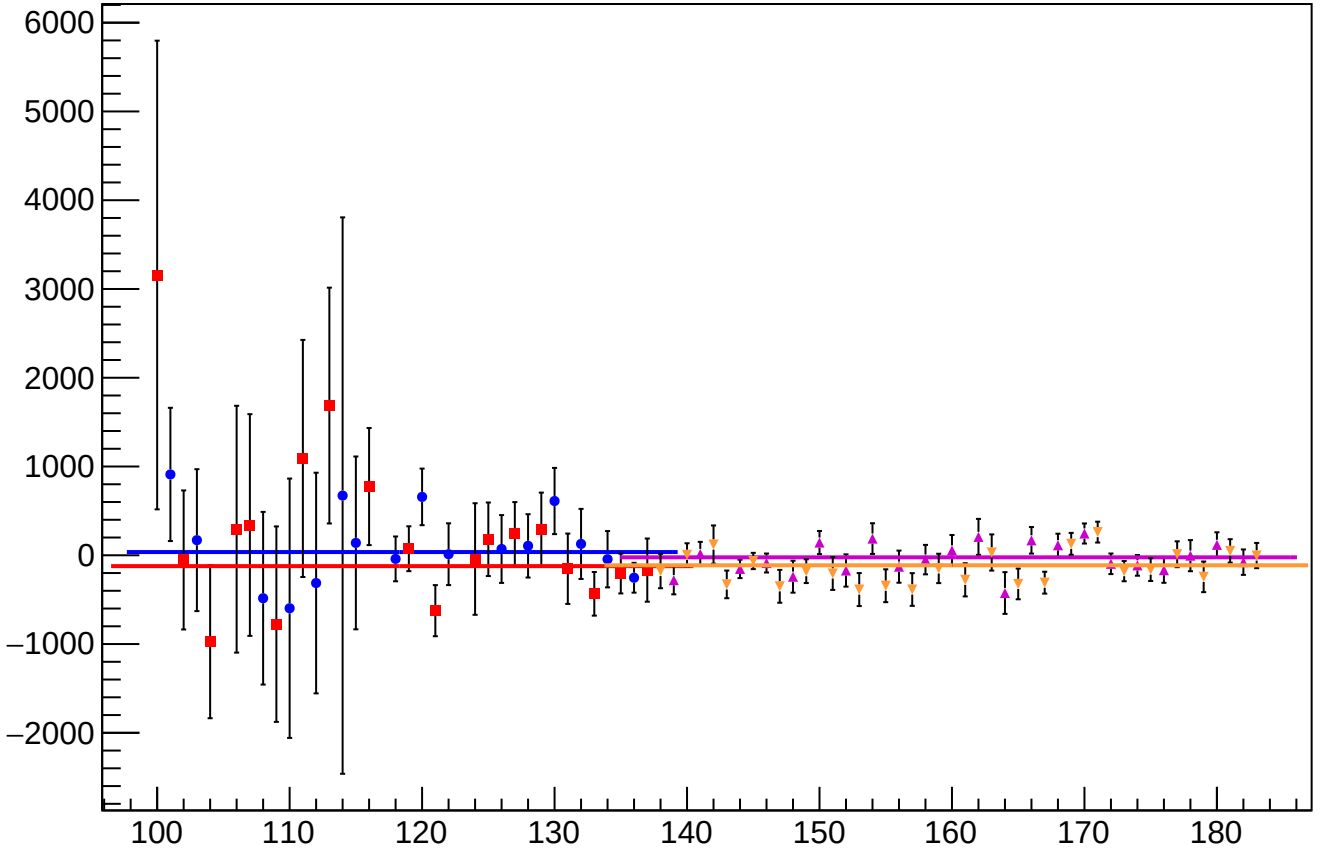
Left In: 38.102+/-0.006 χ^2/NDF:426794.3/21

+ sign 40.493+/-0.006 χ^2/NDF: 2761790.1/39

All: 40.685+/-0.004 χ^2/NDF: 5786980.3/80

- sign 40.889+/-0.006 χ^2/NDF: 3022885.5/40

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -112.682+/-29.864 χ^2/NDF:35.5/23

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

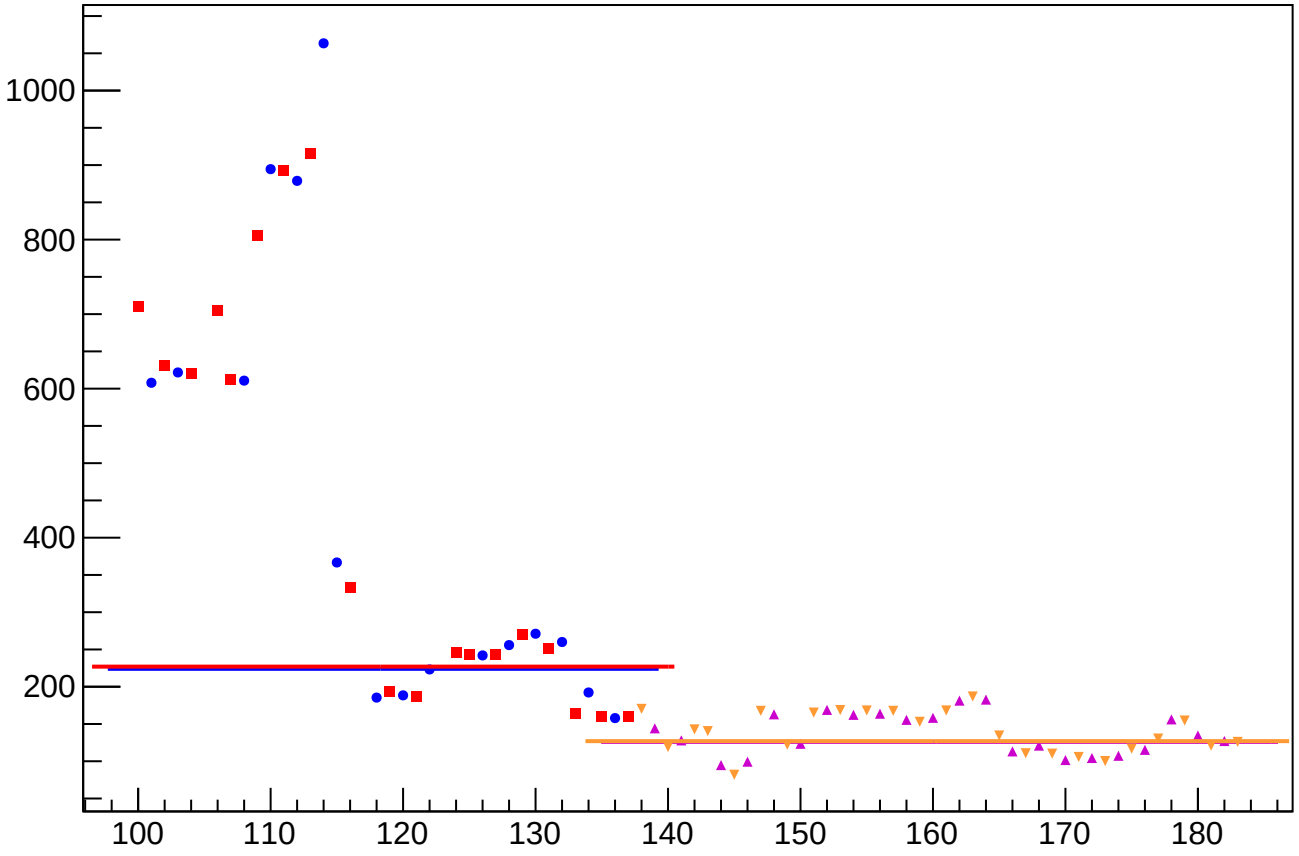
Left In: -23.108+/-30.434 χ^2/NDF:26.2/21

+ sign -98.905+/-28.450 χ^2/NDF: 49.2/39

All: -66.194+/-20.311 χ^2/NDF: 94.6/80

- sign -32.189+/-29.007 χ^2/NDF: 42.7/40

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.975+/-0.021 χ^2/NDF:1738957.1/23

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

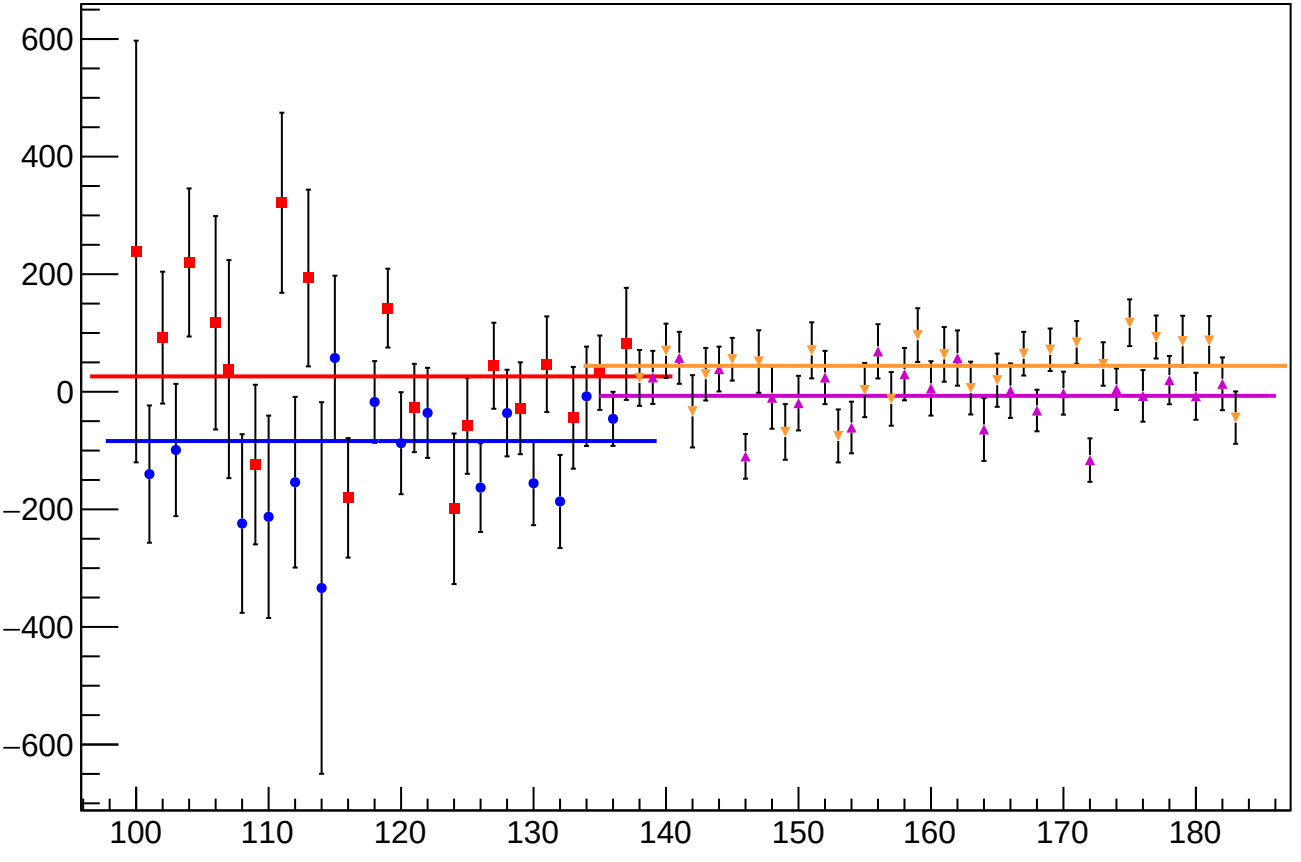
Left In: 125.964+/-0.022 χ^2/NDF:1410342.9/21

+ sign 135.950+/-0.020 χ^2/NDF: 6660590.7/39

All: 135.588+/-0.014 χ^2/NDF: 13660562.4/80

- sign 135.212+/-0.021 χ^2/NDF: 6999312.6/40

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 44.125+/-8.767 χ^2/NDF:33.2/23

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

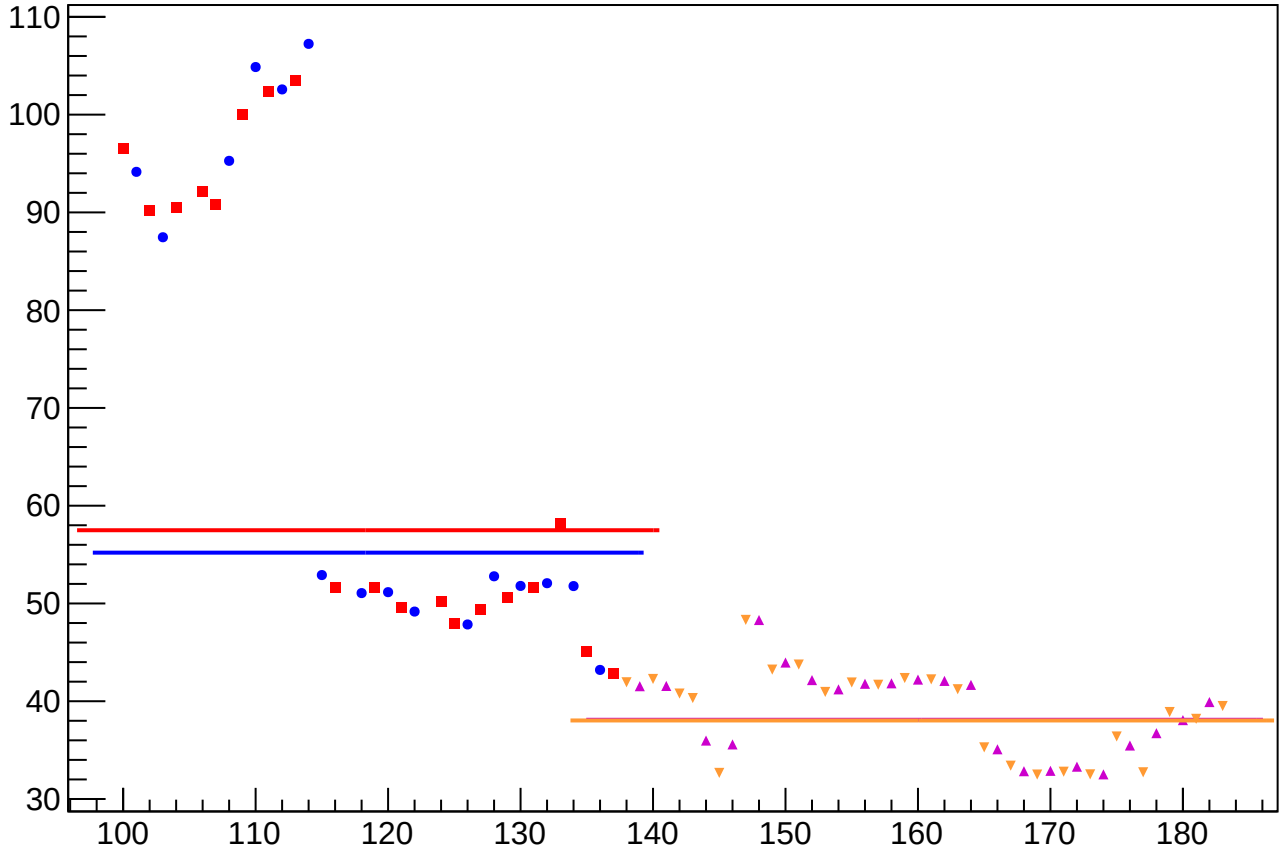
Left In: -6.891+/-9.042 χ^2/NDF:29.9/21

+ sign 25.789+/-8.115 χ^2/NDF: 74.3/39

All: 12.250+/-5.825 χ^2/NDF: 134.8/80

- sign -2.143+/-8.367 χ^2/NDF: 54.8/40

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.033+/-0.006 χ^2/NDF:510502.7/23

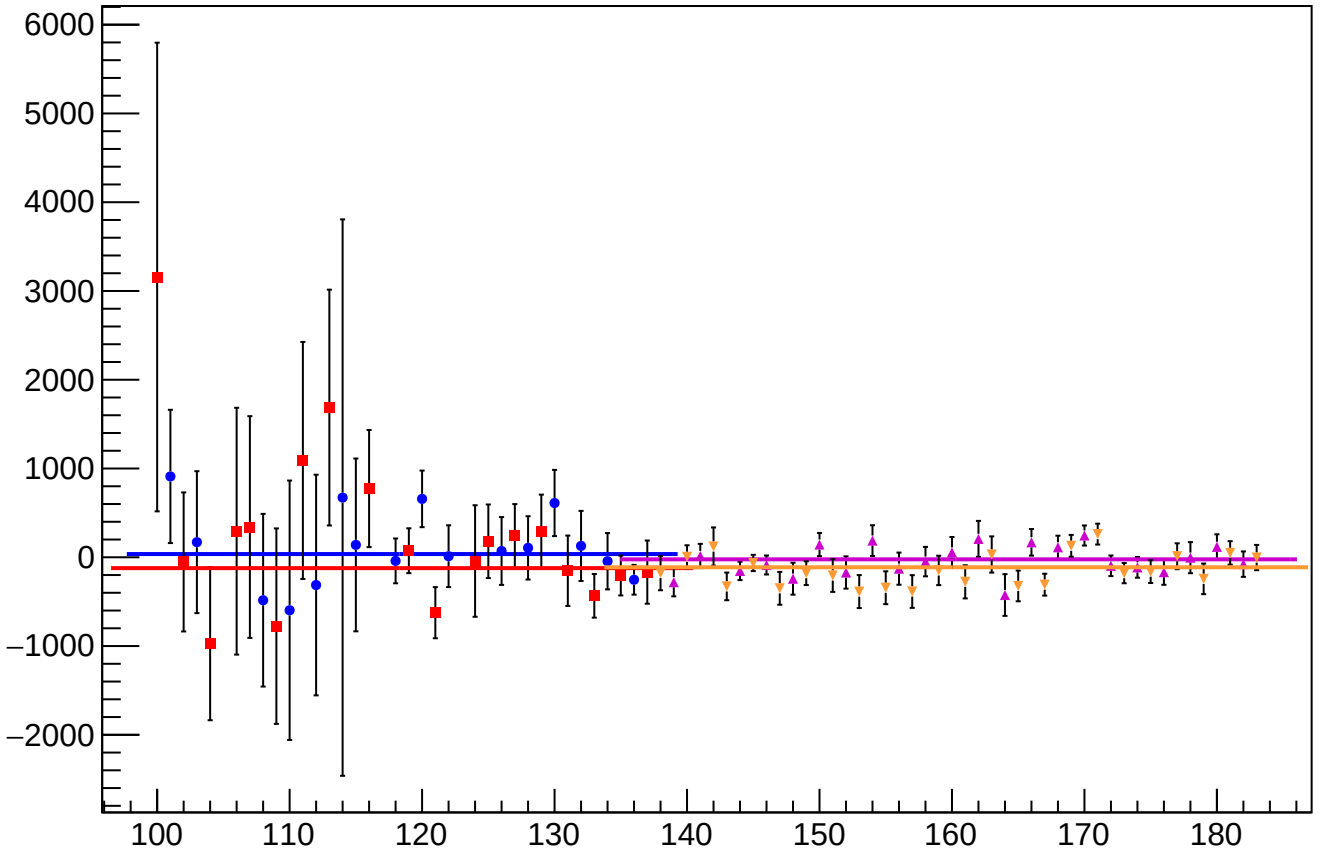
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.102+/-0.006 χ^2/NDF:426794.3/21

+ sign 40.493+/-0.006 χ^2/NDF: 2761790.1/39

All: 40.685+/-0.004 χ^2/NDF: 5786980.3/80

- sign 40.889+/-0.006 χ^2/NDF: 3022885.5/40



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -112.682+/-29.864 χ^2/NDF:35.5/23

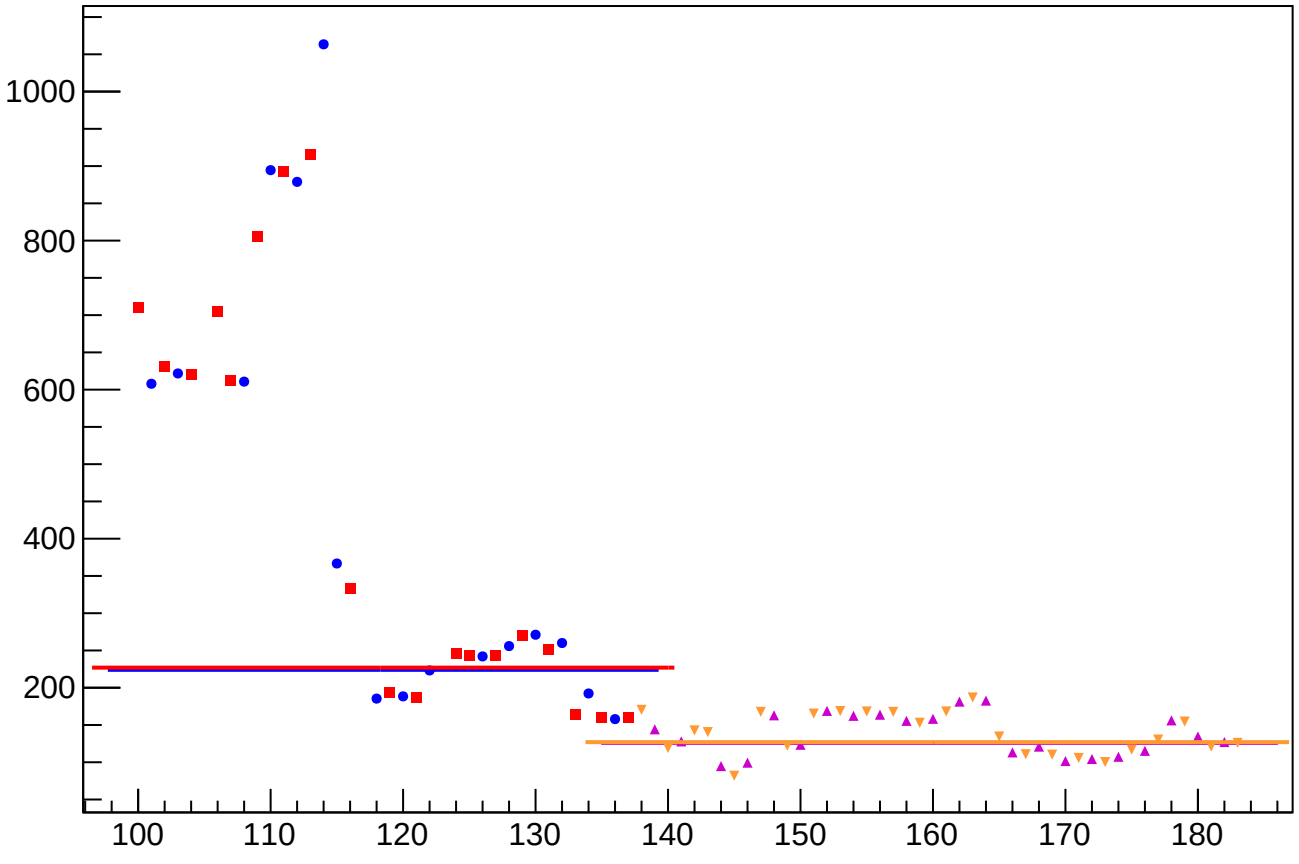
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -23.108+/-30.434 χ^2/NDF:26.2/21

+ sign -98.905+/-28.450 χ^2/NDF: 49.2/39

All: -66.194+/-20.311 χ^2/NDF: 94.6/80

- sign -32.189+/-29.007 χ^2/NDF: 42.7/40



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.975+/-0.021 χ^2/NDF:1738957.1/23

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

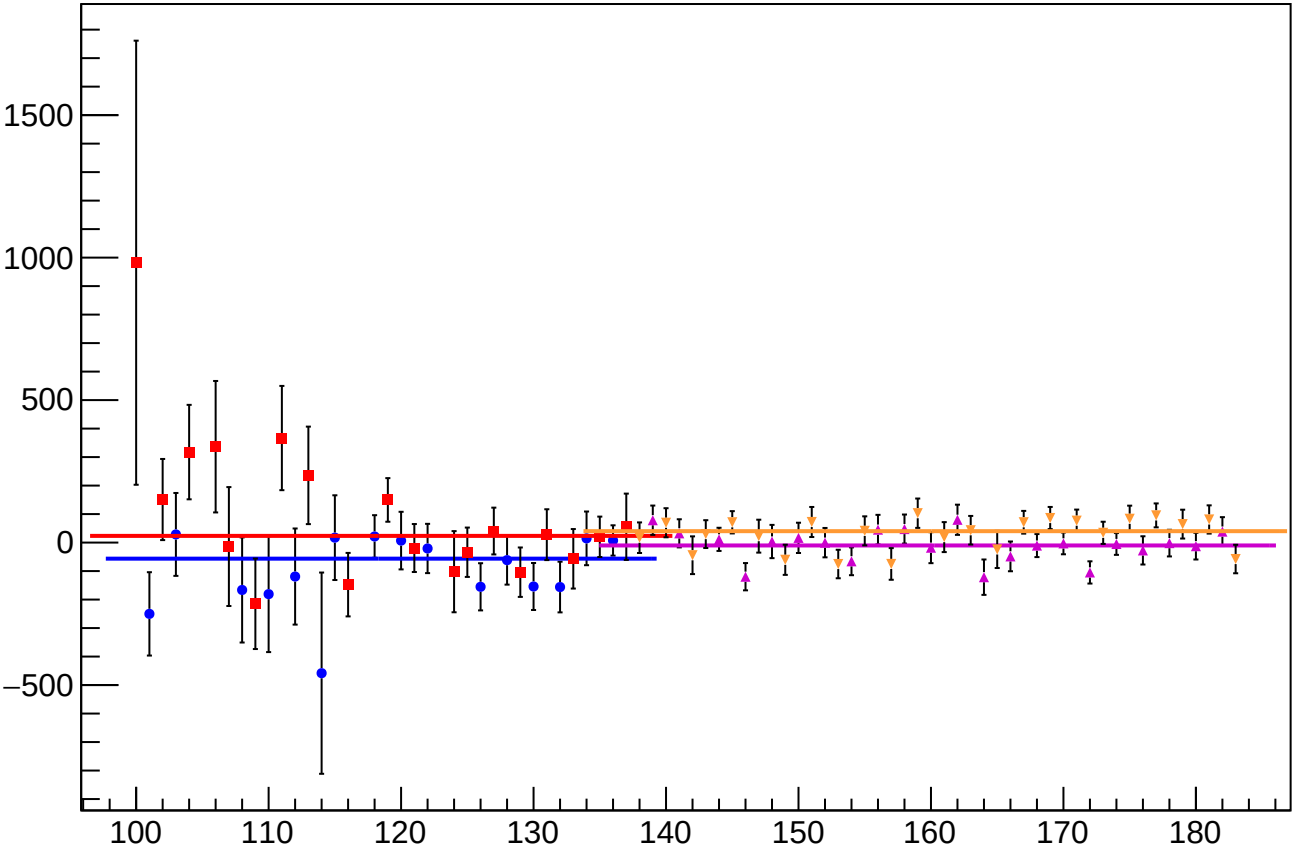
Left In: 125.964+/-0.022 χ^2/NDF:1410342.9/21

+ sign 135.950+/-0.020 χ^2/NDF: 6660590.7/39

All: 135.588+/-0.014 χ^2/NDF: 13660562.4/80

- sign 135.212+/-0.021 χ^2/NDF: 6999312.6/40

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 40.045+/-9.816 χ^2/NDF:29.4/23

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

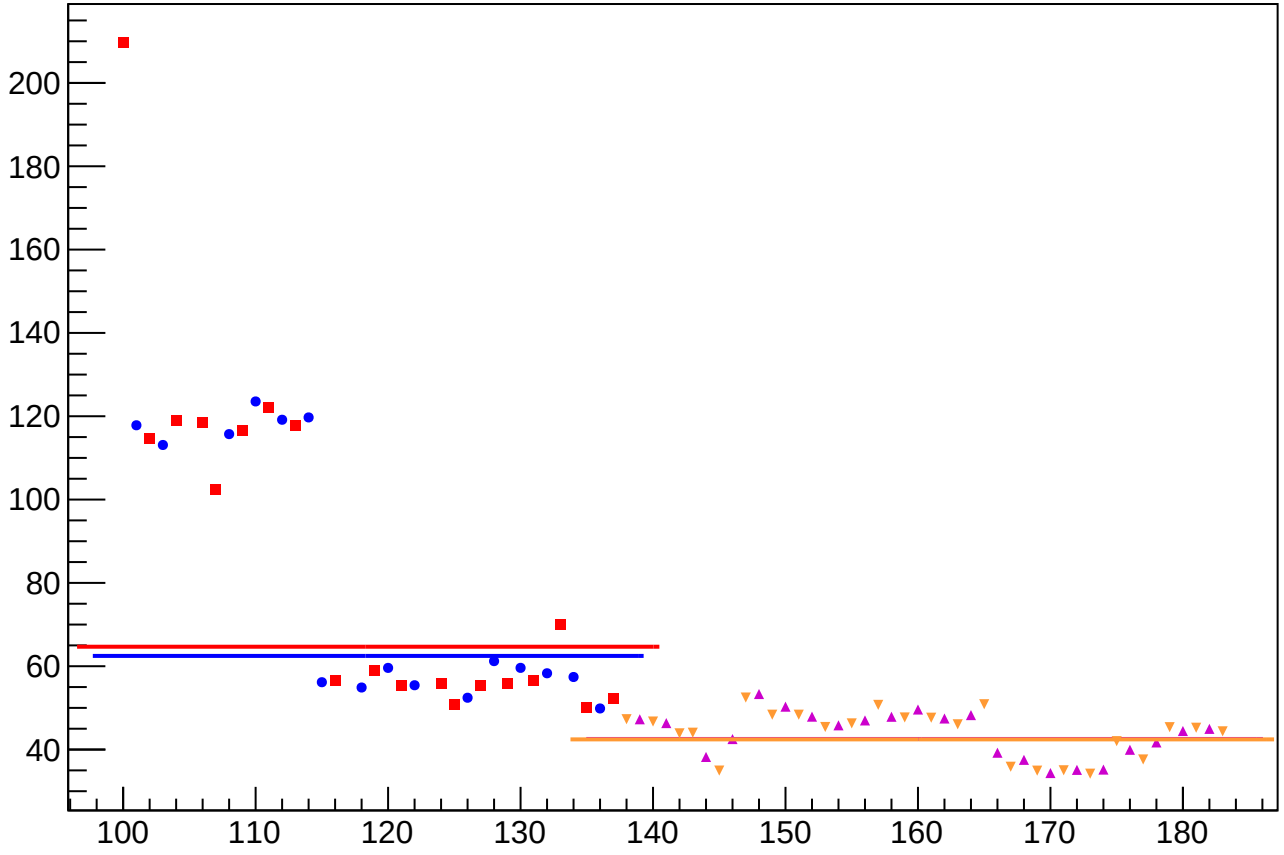
Left In: -10.113+/-10.153 χ^2/NDF:27.0/21

+ sign 26.693+/-9.111 χ^2/NDF: 55.1/39

All: 11.169+/-6.547 χ^2/NDF: 113.7/80

- sign -5.407+/-9.415 χ^2/NDF: 52.6/40

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.440+/-0.007 χ^2/NDF:698487.7/23

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

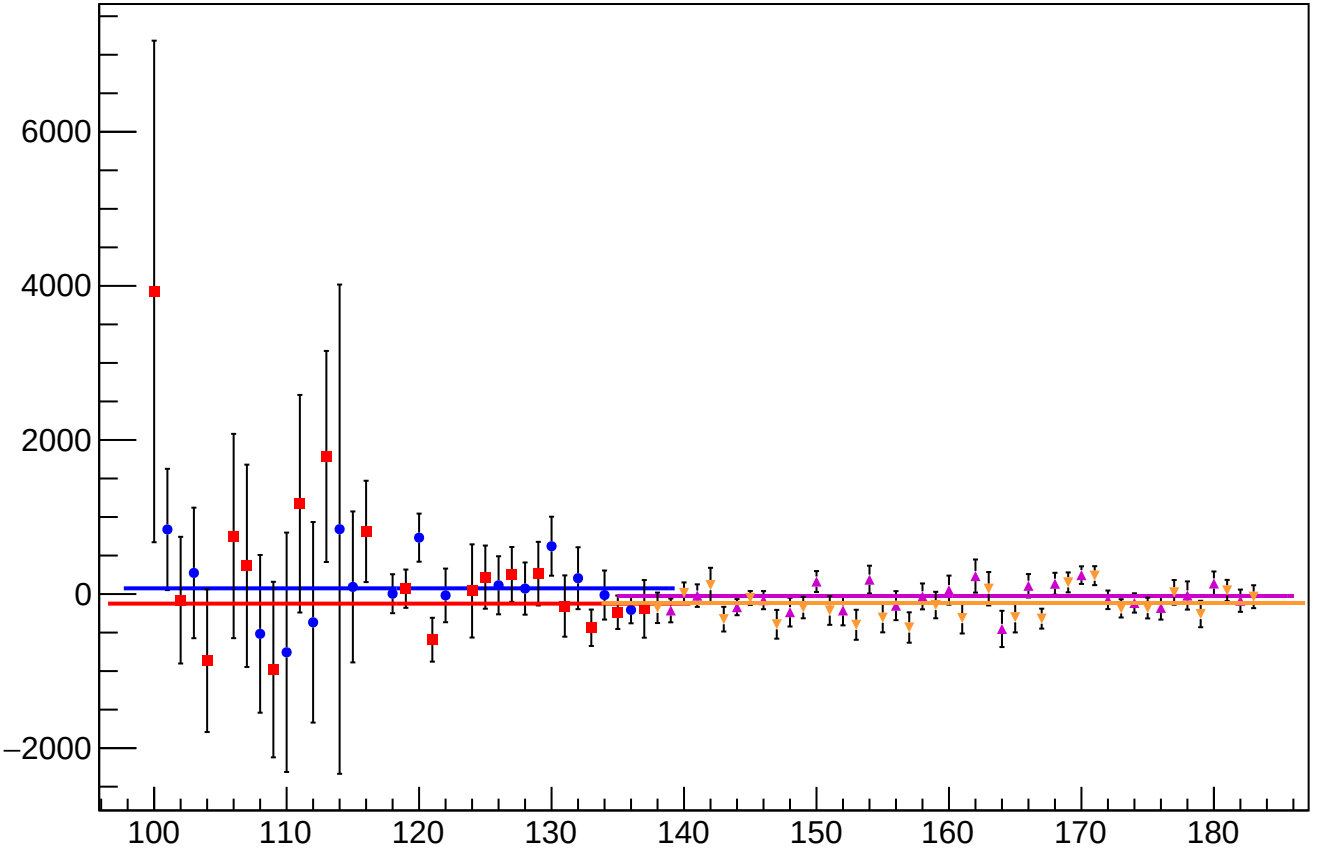
Left In: 42.541+/-0.007 χ^2/NDF:587986.8/21

+ sign 45.213+/-0.006 χ^2/NDF: 3199980.9/39

All: 45.420+/-0.005 χ^2/NDF: 6712274.4/80

- sign 45.641+/-0.007 χ^2/NDF: 3510162.9/40

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -115.762+/-31.015 χ^2/NDF:34.1/23

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

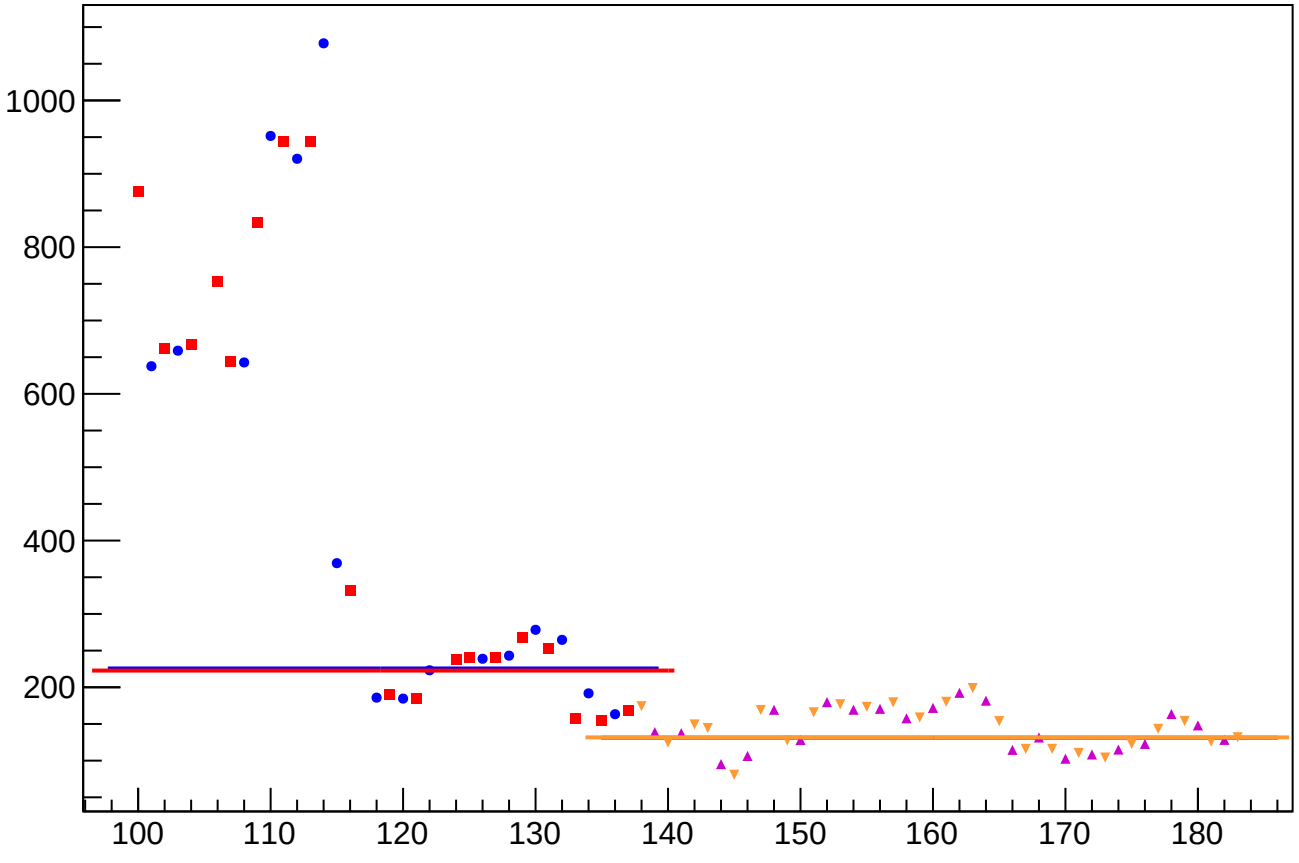
Left In: -25.338+/-31.794 χ^2/NDF:25.1/21

+ sign -97.278+/-29.468 χ^2/NDF: 48.9/39

All: -67.016+/-21.071 χ^2/NDF: 93.5/80

- sign -35.359+/-30.140 χ^2/NDF: 42.4/40

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.675+/-0.022 χ^2/NDF:1899748.9/23

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

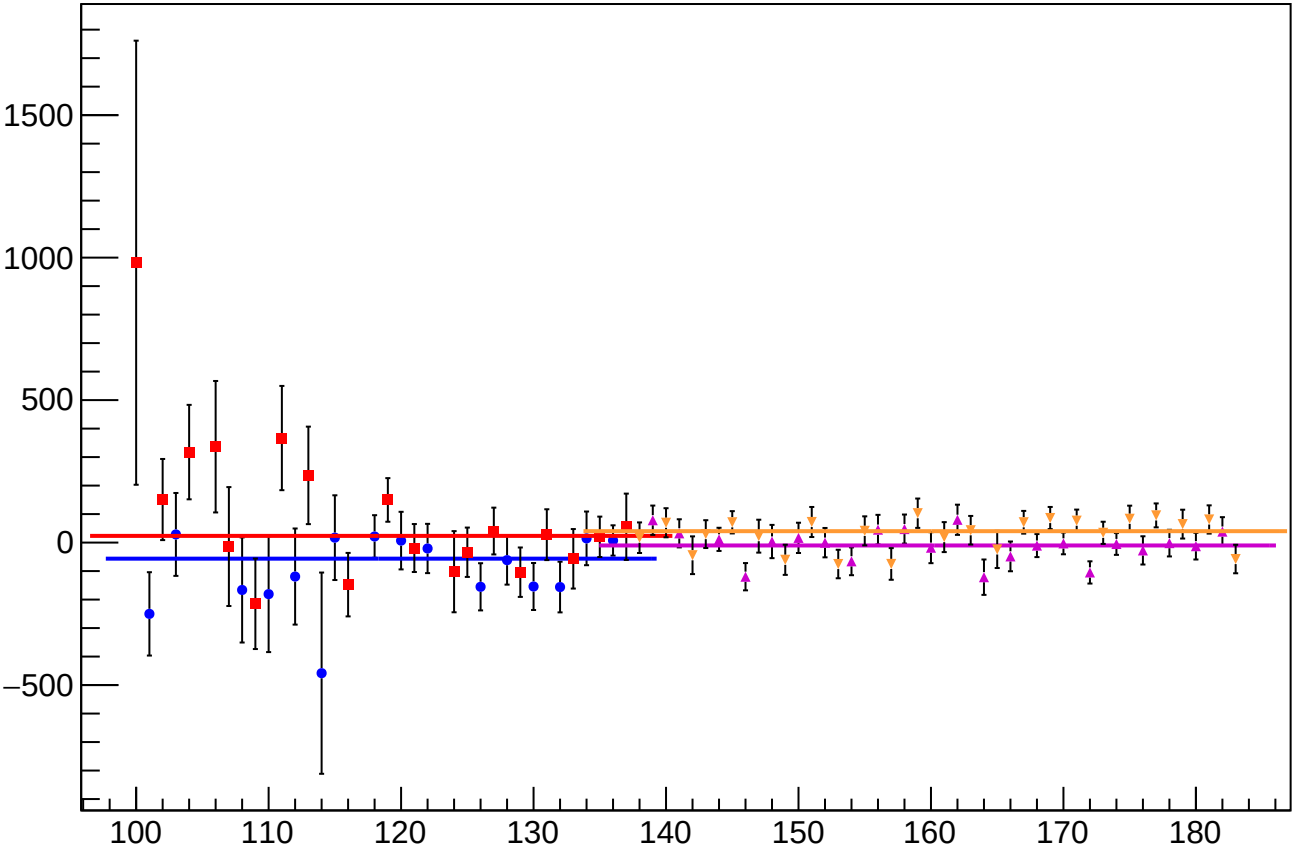
Left In: 131.262+/-0.022 χ^2/NDF:1464293.5/21

+ sign 140.811+/-0.021 χ^2/NDF: 6710184.9/39

All: 140.678+/-0.015 χ^2/NDF: 13702701.0/80

- sign 140.539+/-0.021 χ^2/NDF: 6992432.9/40

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 40.046+/-9.816 χ^2/NDF:29.4/23

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

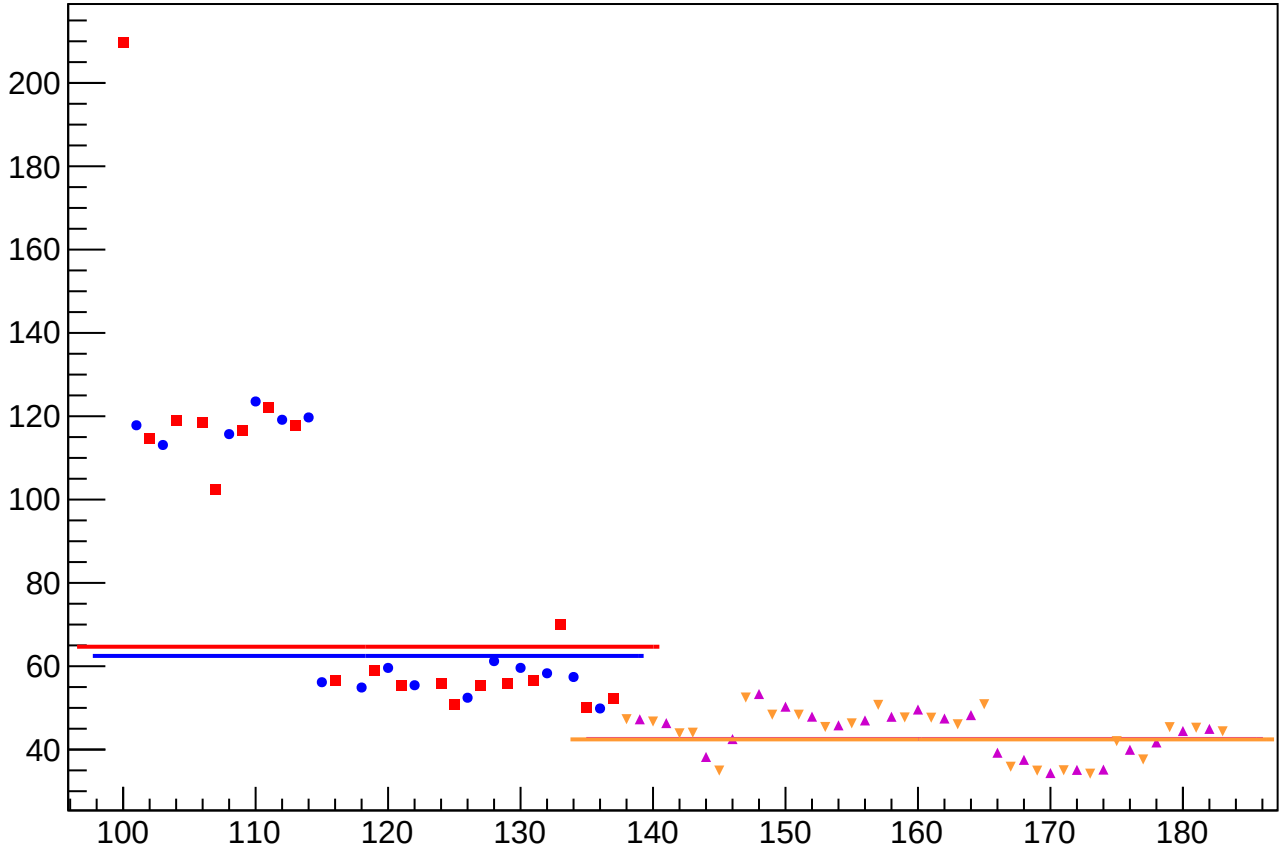
Left In: -10.113+/-10.153 χ^2/NDF:27.0/21

+ sign 26.693+/-9.111 χ^2/NDF: 55.1/39

All: 11.170+/-6.547 χ^2/NDF: 113.7/80

- sign -5.406+/-9.415 χ^2/NDF: 52.6/40

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.440+/-0.007 χ^2/NDF:698505.9/23

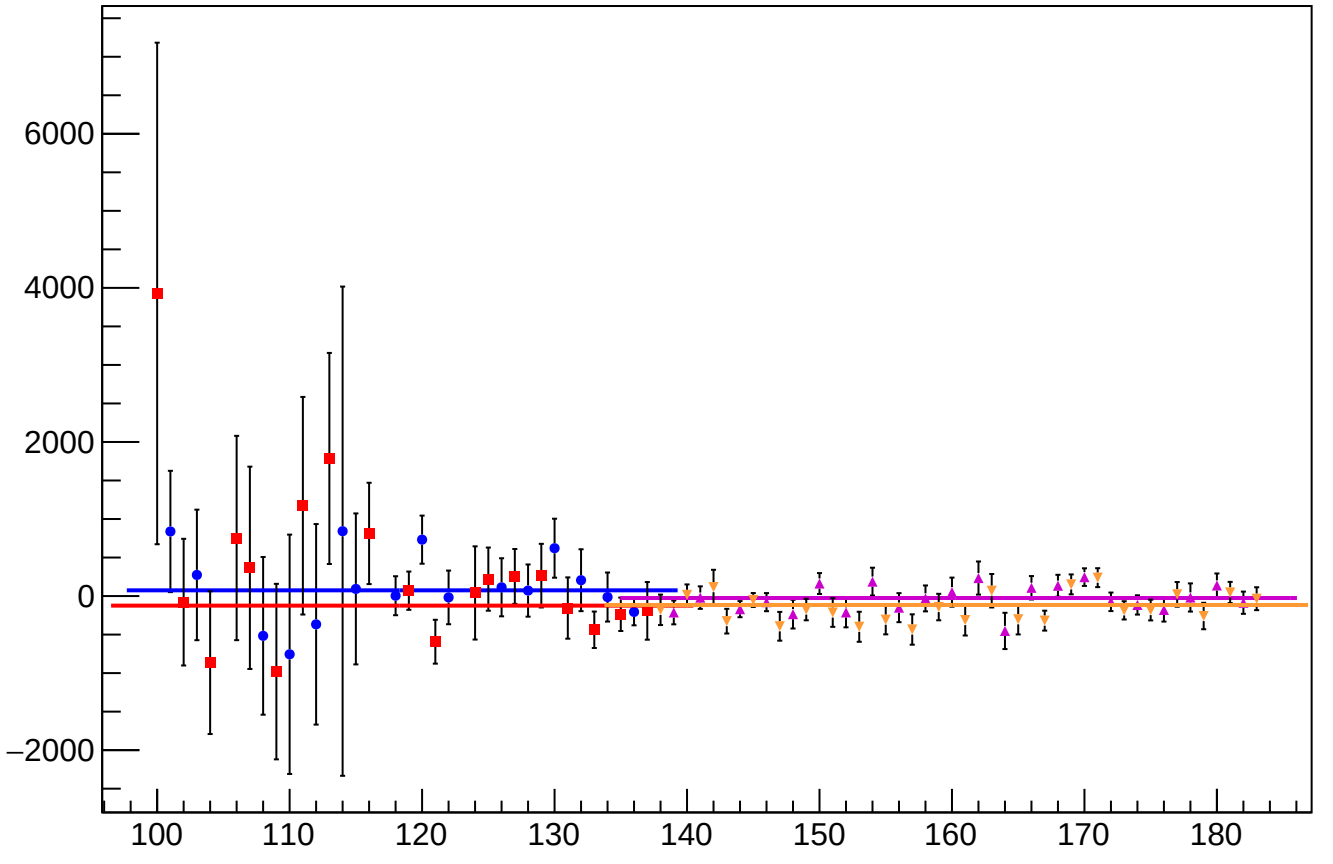
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.541+/-0.007 χ^2/NDF:587991.3/21

+ sign 45.213+/-0.006 χ^2/NDF: 3199937.1/39

All: 45.420+/-0.005 χ^2/NDF: 6712183.7/80

- sign 45.641+/-0.007 χ^2/NDF: 3510115.1/40



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -115.762+/-31.015 χ^2/NDF:34.1/23

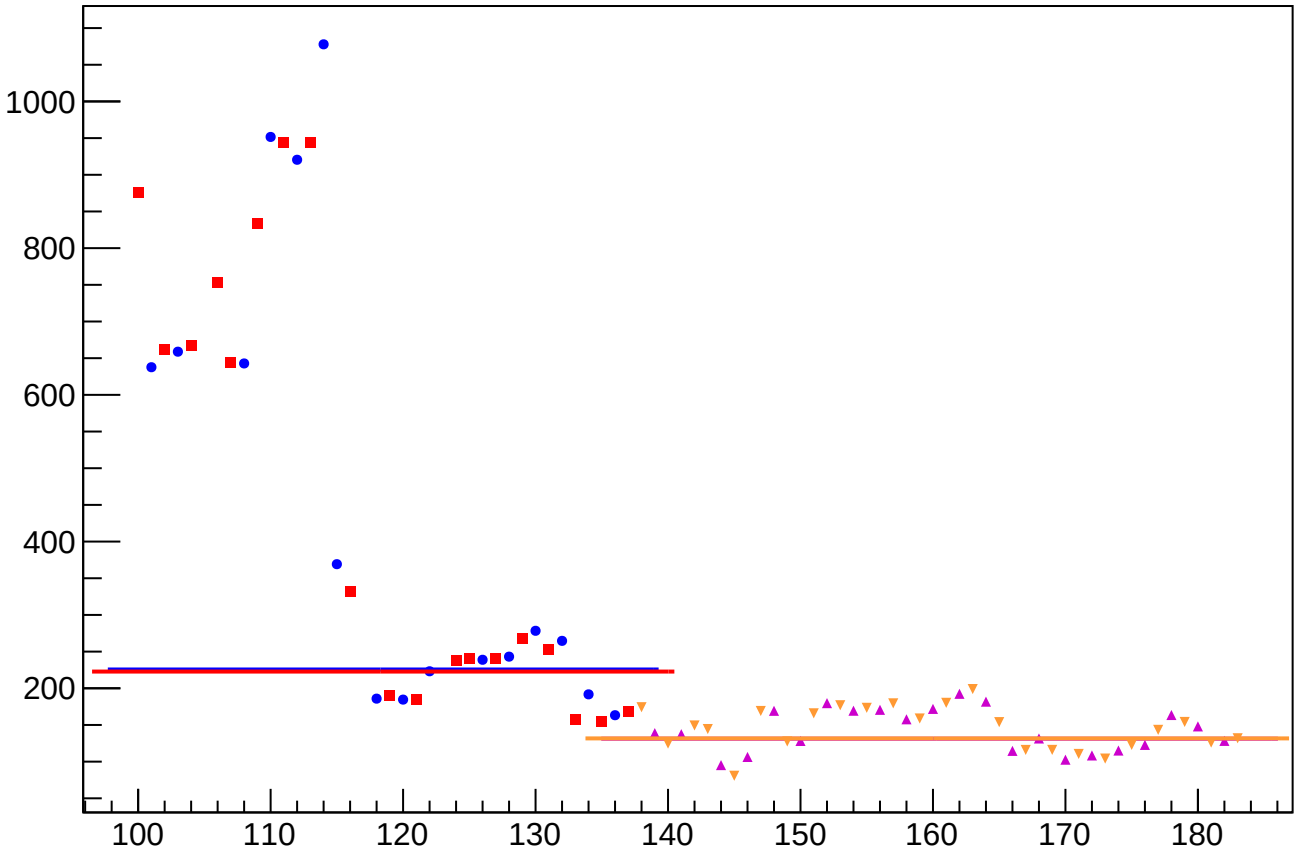
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -25.338+/-31.794 χ^2/NDF:25.1/21

+ sign -97.278+/-29.468 χ^2/NDF: 48.9/39

All: -67.015+/-21.071 χ^2/NDF: 93.5/80

- sign -35.359+/-30.140 χ^2/NDF: 42.4/40



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 131.675+/-0.022 χ^2/NDF:1899741.3/23

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

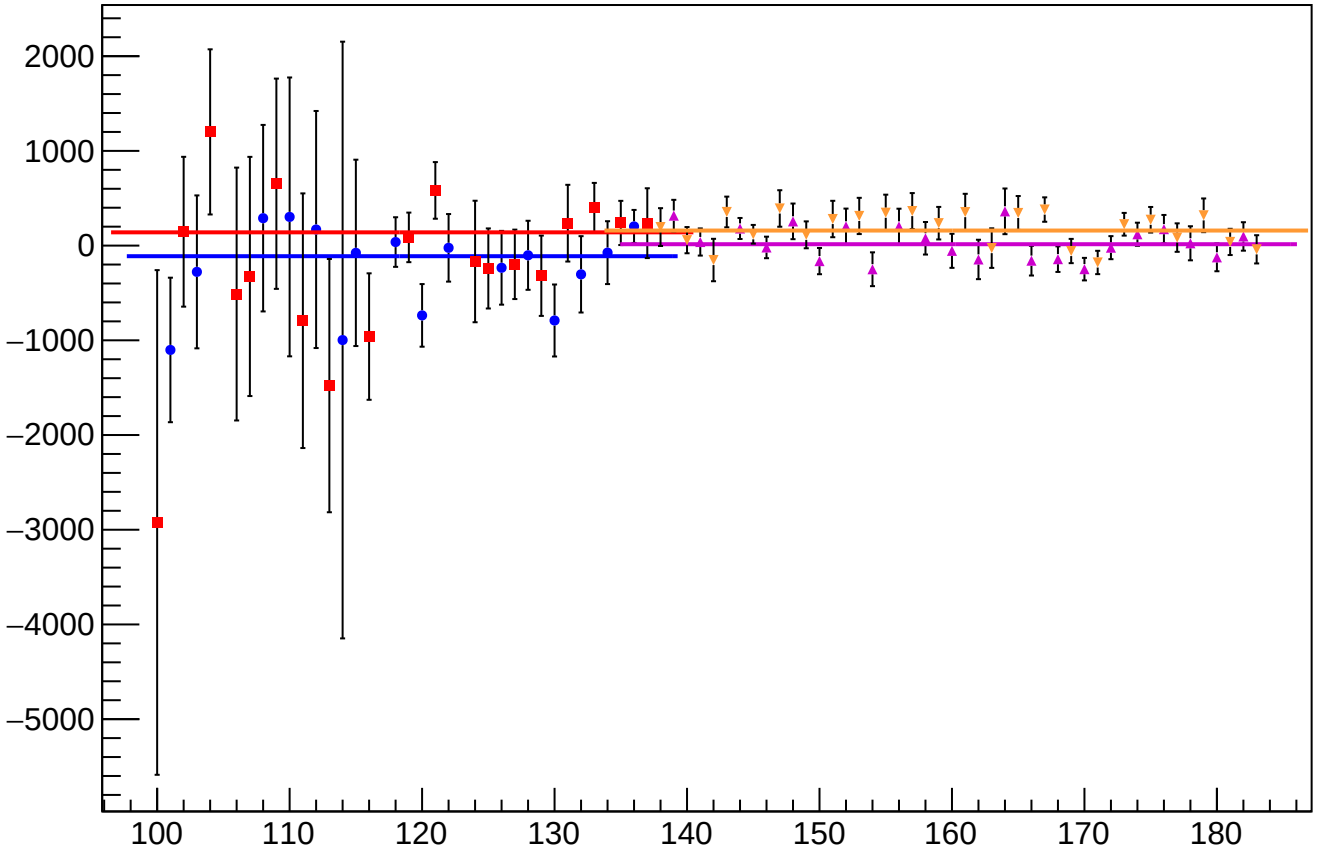
Left In: 131.262+/-0.022 χ^2/NDF:1464297.0/21

+ sign 140.811+/-0.021 χ^2/NDF: 6710156.7/39

All: 140.678+/-0.015 χ^2/NDF: 13702663.5/80

- sign 140.539+/-0.021 χ^2/NDF: 6992423.6/40

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 158.984+/-31.262 χ^2/NDF:29.9/23

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

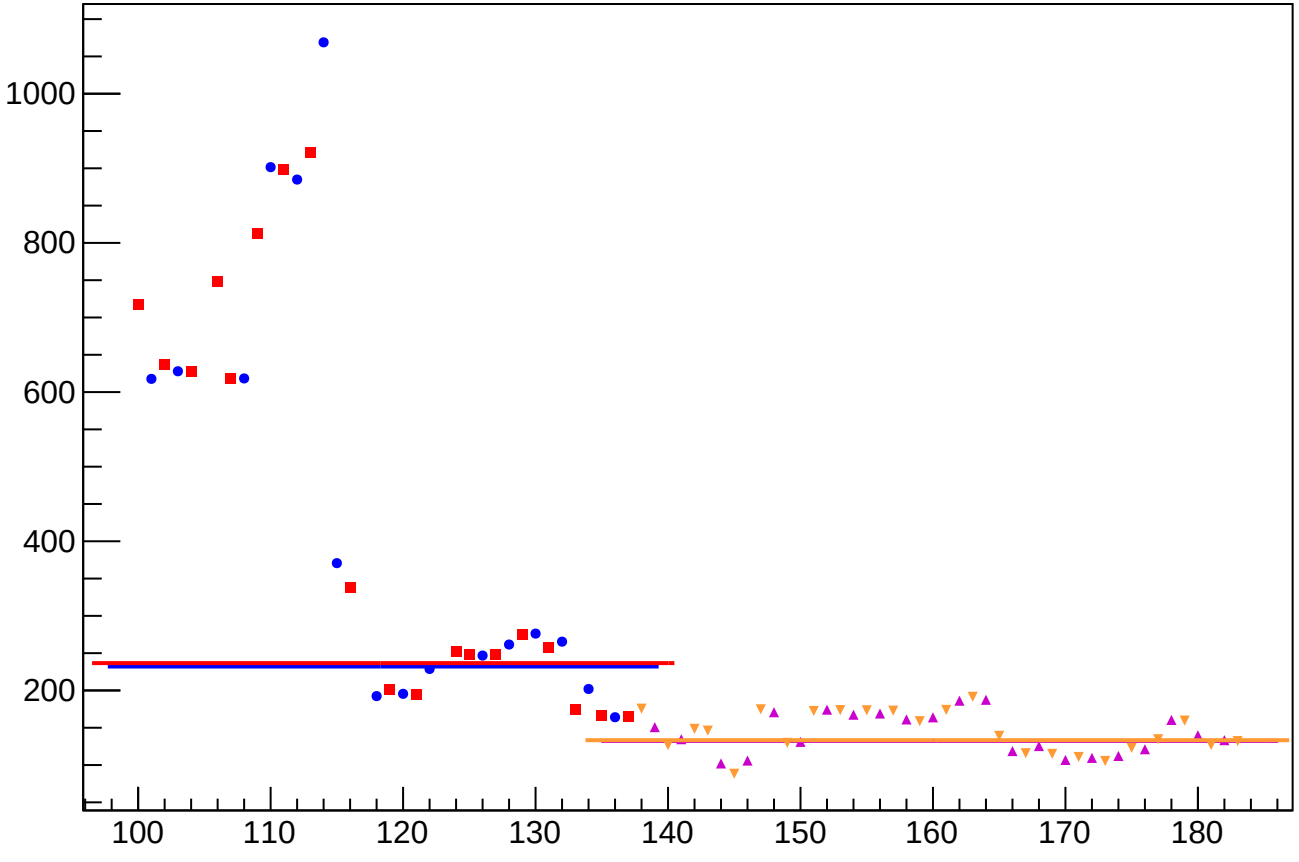
Left In: 14.649+/-31.882 χ^2/NDF:26.7/21

+ sign 133.278+/-29.742 χ^2/NDF: 49.8/39

All: 80.917+/-21.243 χ^2/NDF: 99.0/80

- sign 26.388+/-30.352 χ^2/NDF: 42.8/40

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.296+/-0.022 χ^2/NDF:1574045.5/23

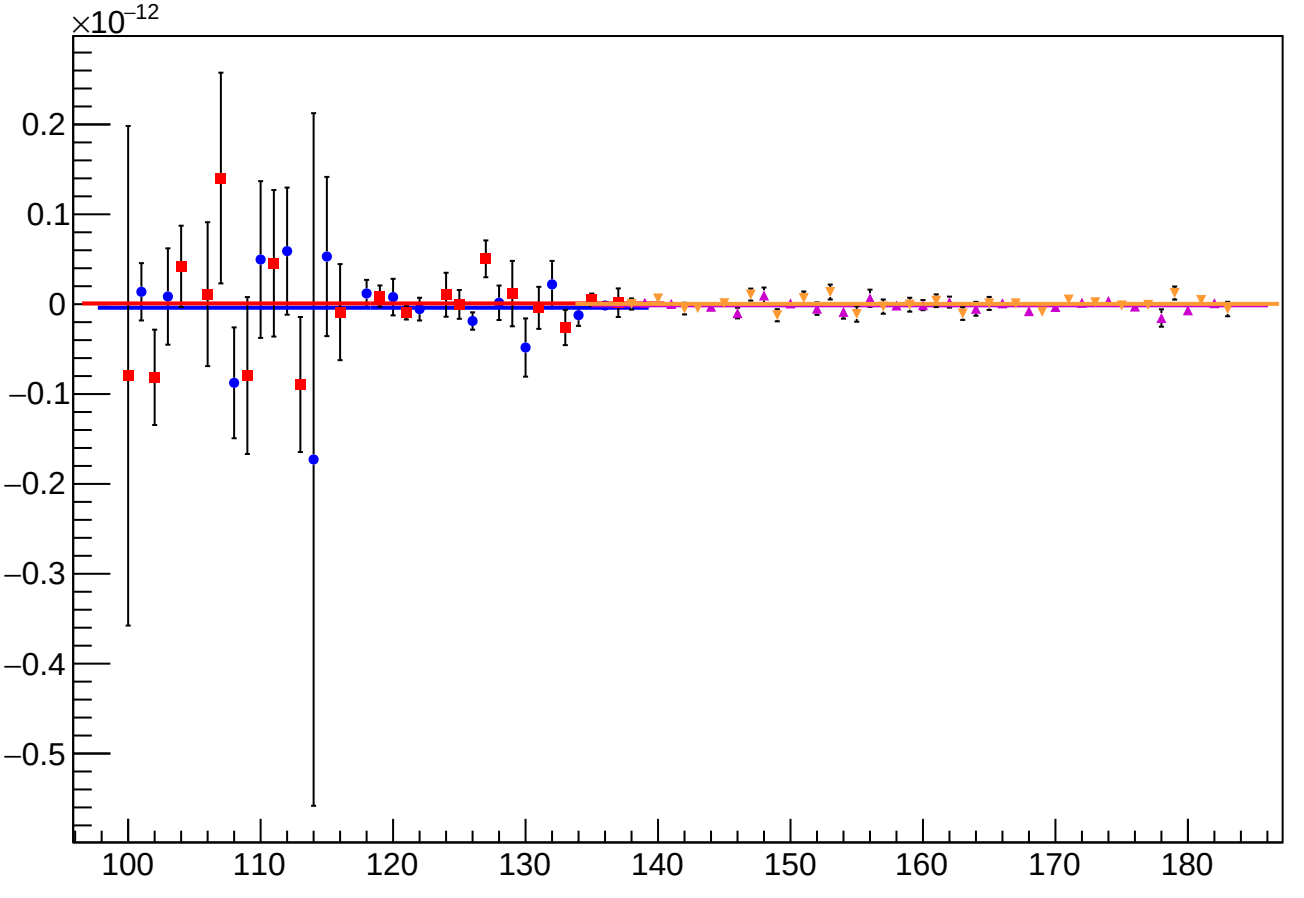
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 132.295+/-0.023 χ^2/NDF:1277495.5/21

+ sign 142.672+/-0.021 χ^2/NDF: 6355522.1/39

All: 142.377+/-0.015 χ^2/NDF: 13161357.5/80

- sign 142.069+/-0.021 χ^2/NDF: 6805432.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/23

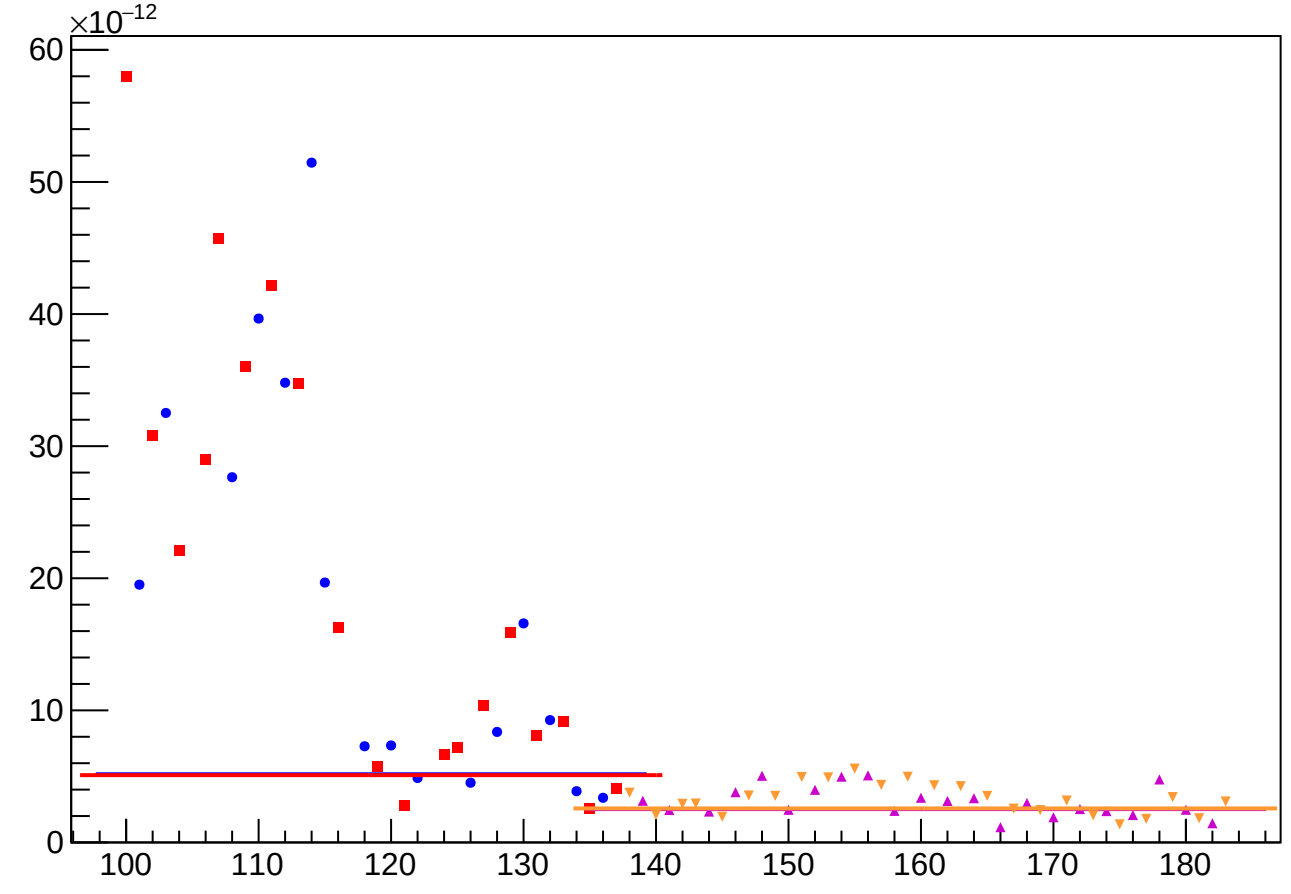
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/21

+ sign 0.000+/-0.000 χ^2/NDF: 39.7/39

All: -0.000+/-0.000 χ^2/NDF: 73.6/80

- sign -0.000+/-0.000 χ^2/NDF: 33.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2159405.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

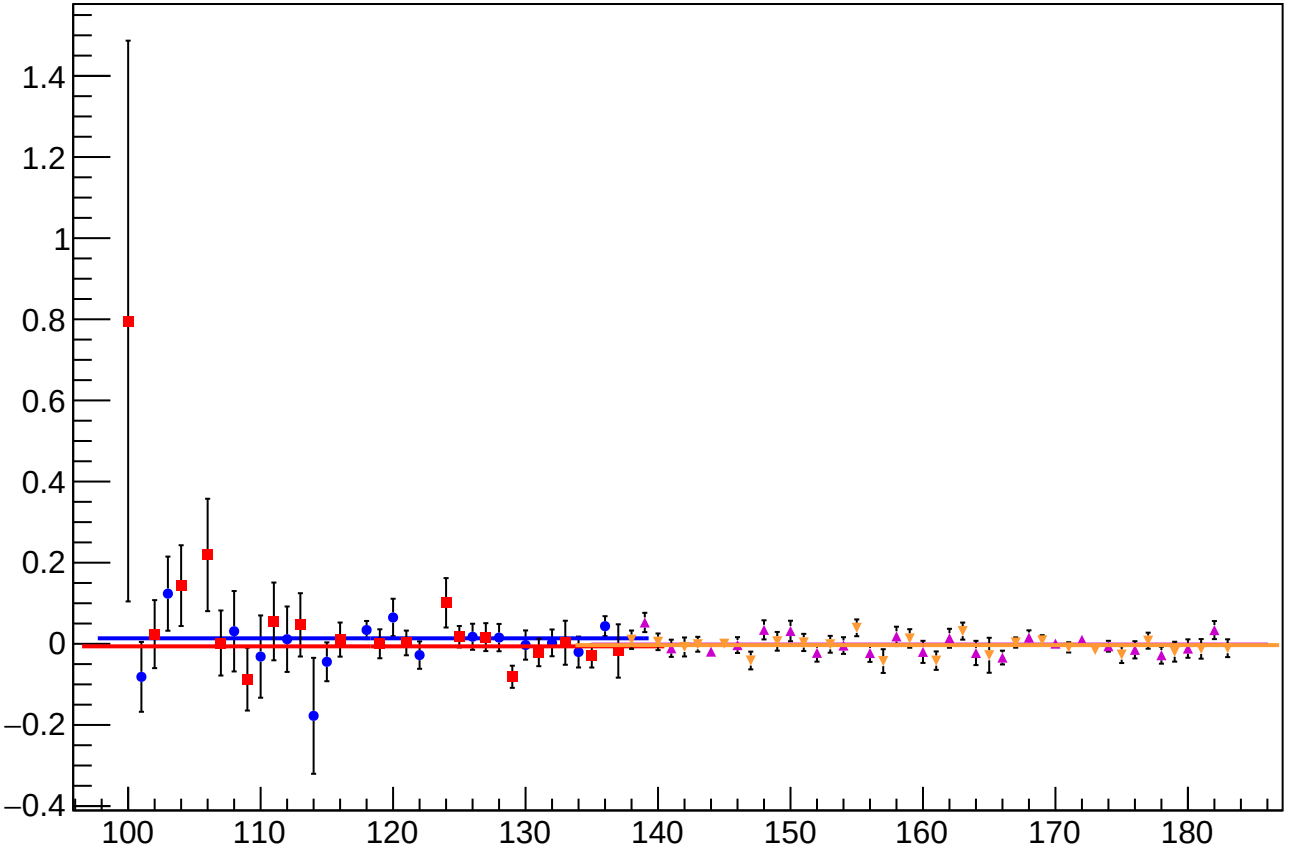
Left In: 0.000+/-0.000 χ^2/NDF:1517519.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 5698927.2/39

All: 0.000+/-0.000 χ^2/NDF: 11246124.2/80

- sign 0.000+/-0.000 χ^2/NDF: 5542633.9/40

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:21.0/23

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

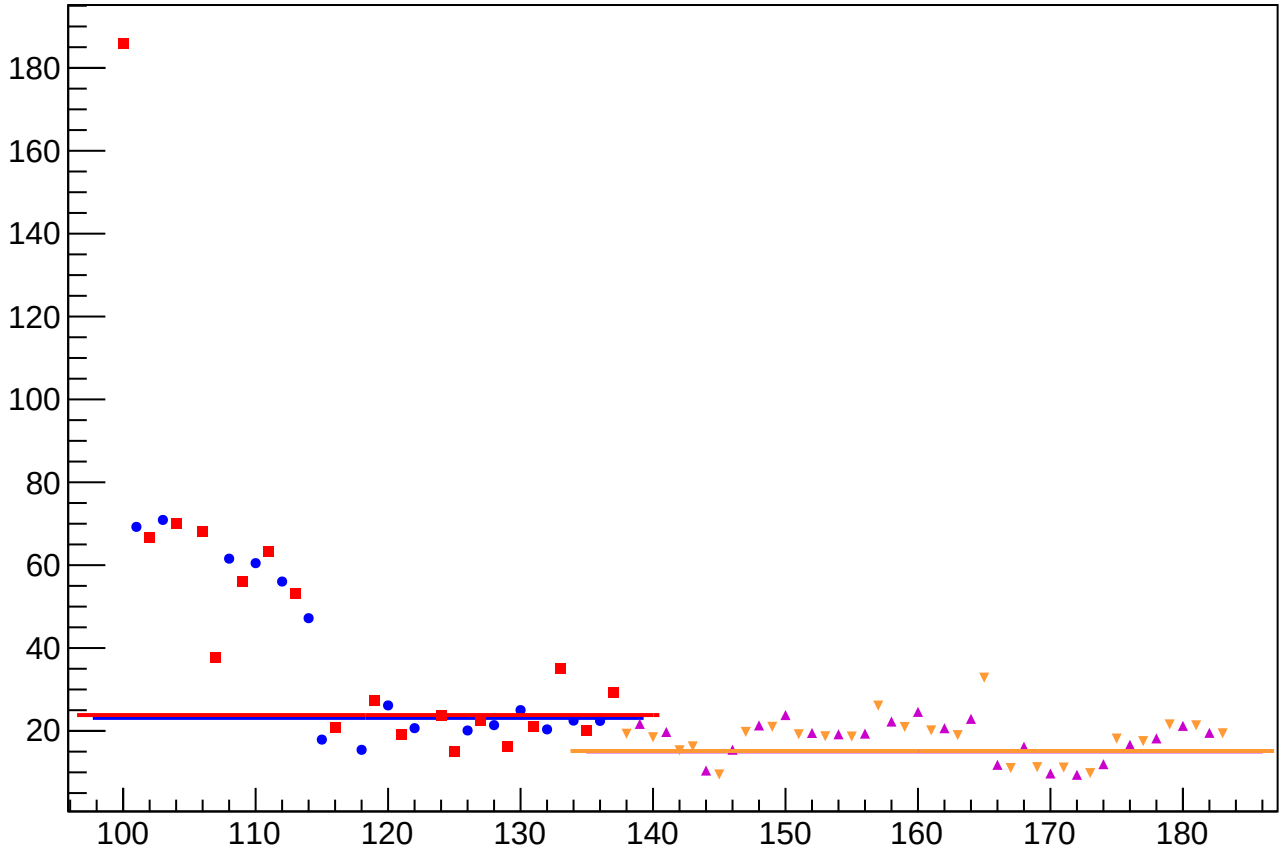
Left In: -0.002+/-0.004 χ^2/NDF:26.1/21

+ sign -0.001+/-0.003 χ^2/NDF: 35.9/39

All: -0.002+/-0.002 χ^2/NDF: 83.7/80

- sign -0.002+/-0.004 χ^2/NDF: 47.7/40

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.152+/-0.003 χ^2/NDF:3394863.3/23

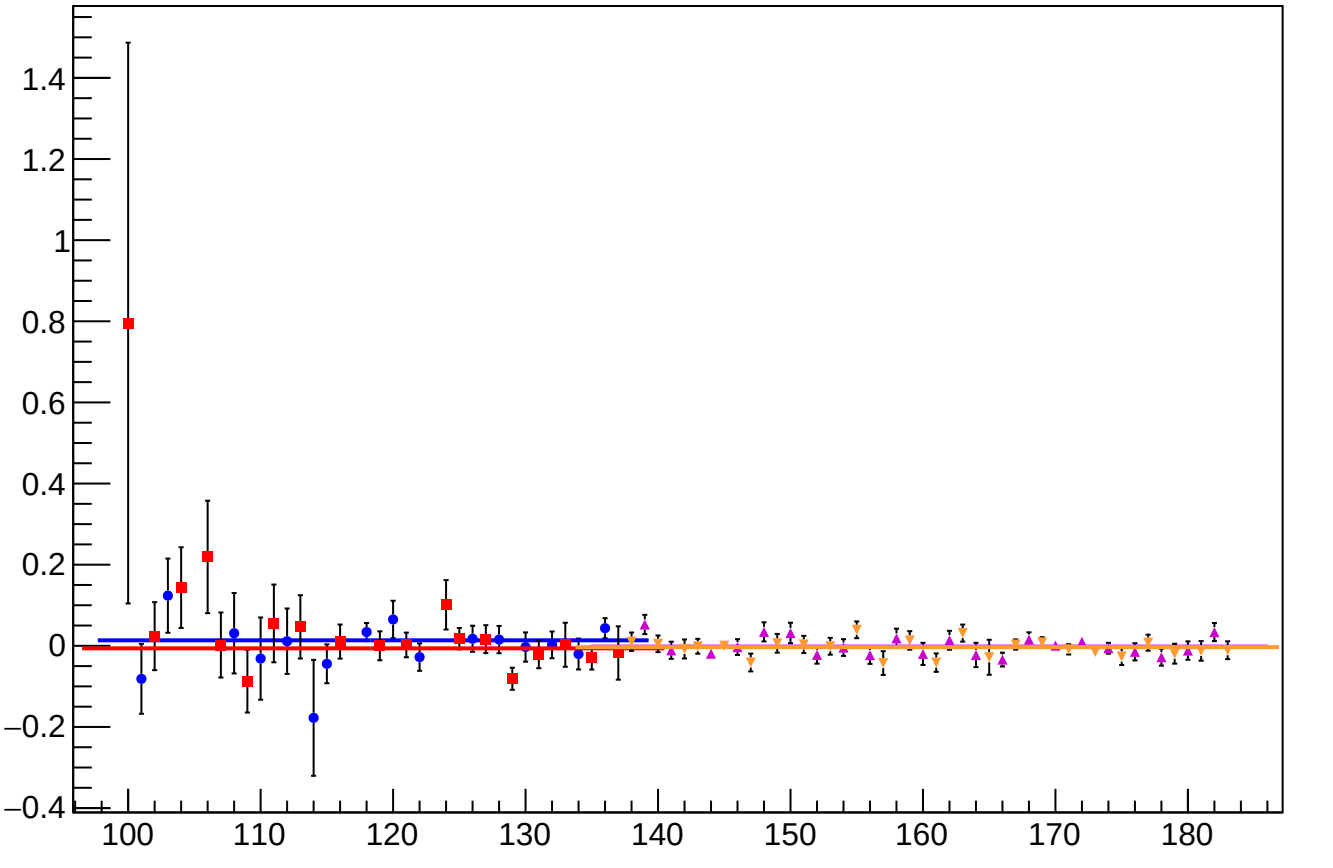
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.064+/-0.003 χ^2/NDF:3368192.9/21

\+ sign 16.150+/-0.002 χ^2/NDF: 6954602.1/39

All: 16.165+/-0.002 χ^2/NDF: 14543327.2/80

\- sign 16.180+/-0.003 χ^2/NDF: 7588653.7/40



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:21.0/23

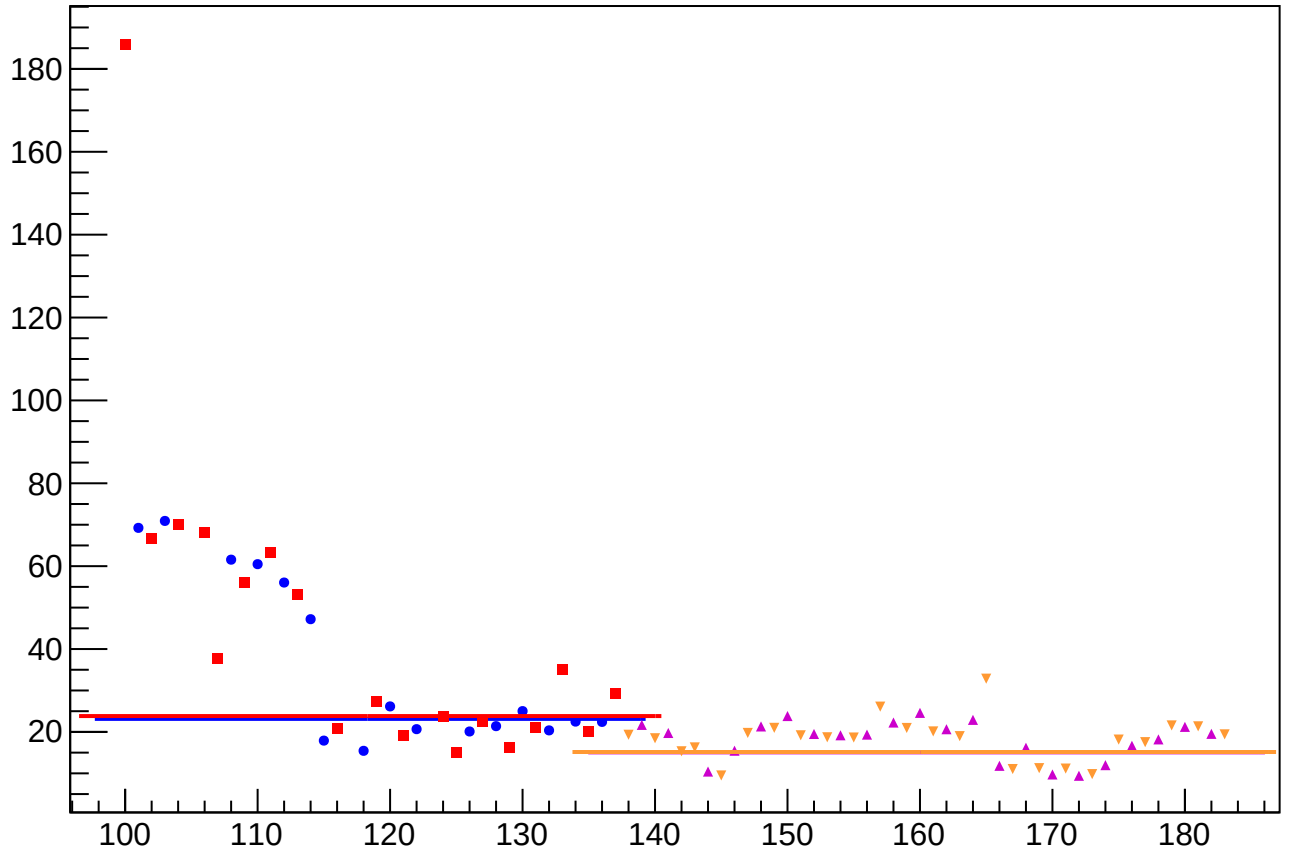
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:26.1/21

+ sign -0.001+/-0.003 χ^2/NDF: 35.9/39

All: -0.002+/-0.002 χ^2/NDF: 83.7/80

- sign -0.002+/-0.004 χ^2/NDF: 47.7/40



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.152+/-0.003 χ^2/NDF:3394863.3/23

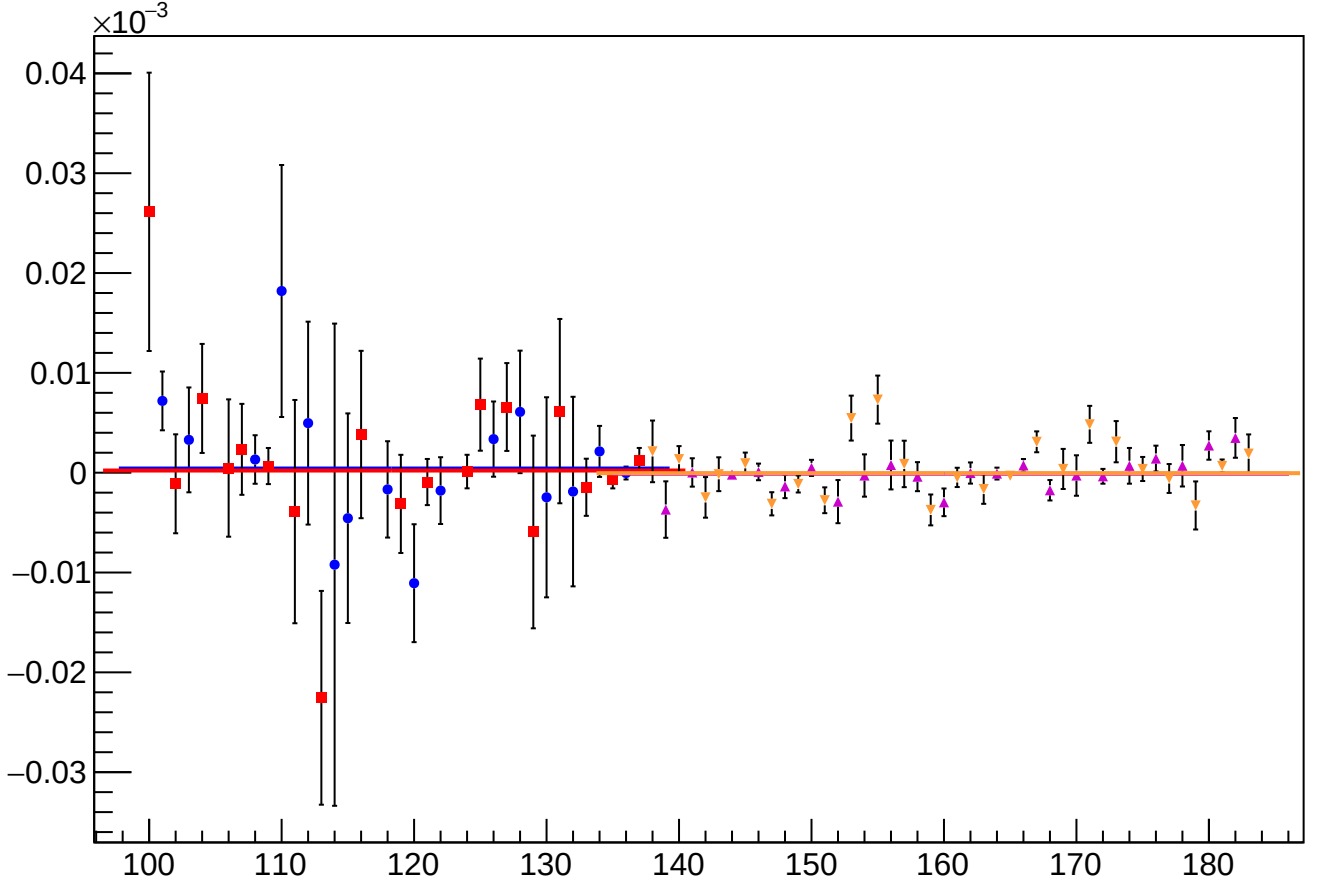
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.064+/-0.003 χ^2/NDF:3368192.9/21

\+ sign 16.150+/-0.002 χ^2/NDF: 6954602.1/39

All: 16.165+/-0.002 χ^2/NDF: 14543327.2/80

\- sign 16.180+/-0.003 χ^2/NDF: 7588653.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/23

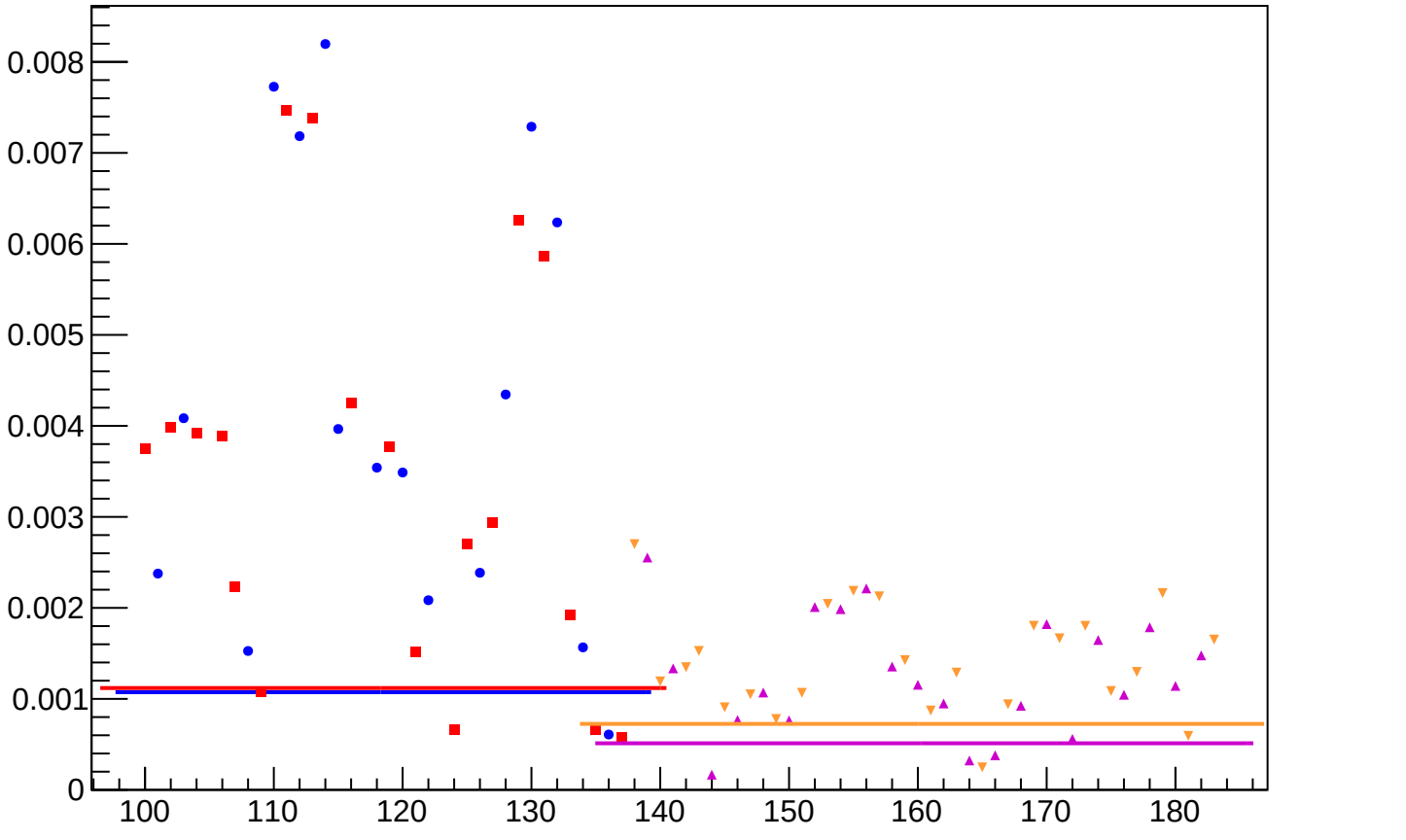
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:23.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 78.7/39

All: -0.000+/-0.000 χ^2/NDF: 119.9/80

- sign -0.000+/-0.000 χ^2/NDF: 41.1/40



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:12991099.4/23

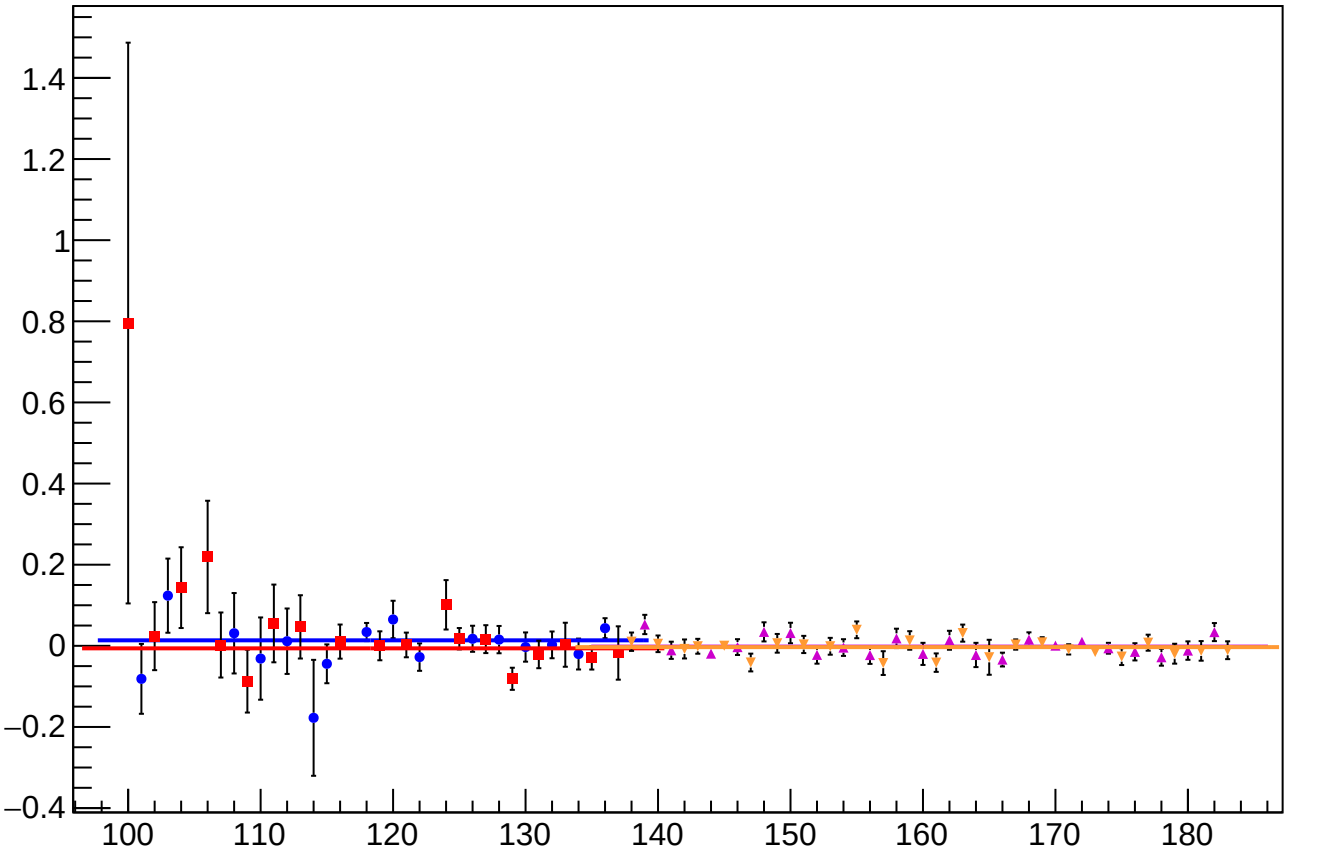
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.001+/-0.000 χ^2/NDF:14781594.1/21

+ sign 0.001+/-0.000 χ^2/NDF: 20714290.8/39

All: 0.001+/-0.000 χ^2/NDF: 45613846.3/80

- sign 0.001+/-0.000 χ^2/NDF: 23662096.5/40



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:21.0/23

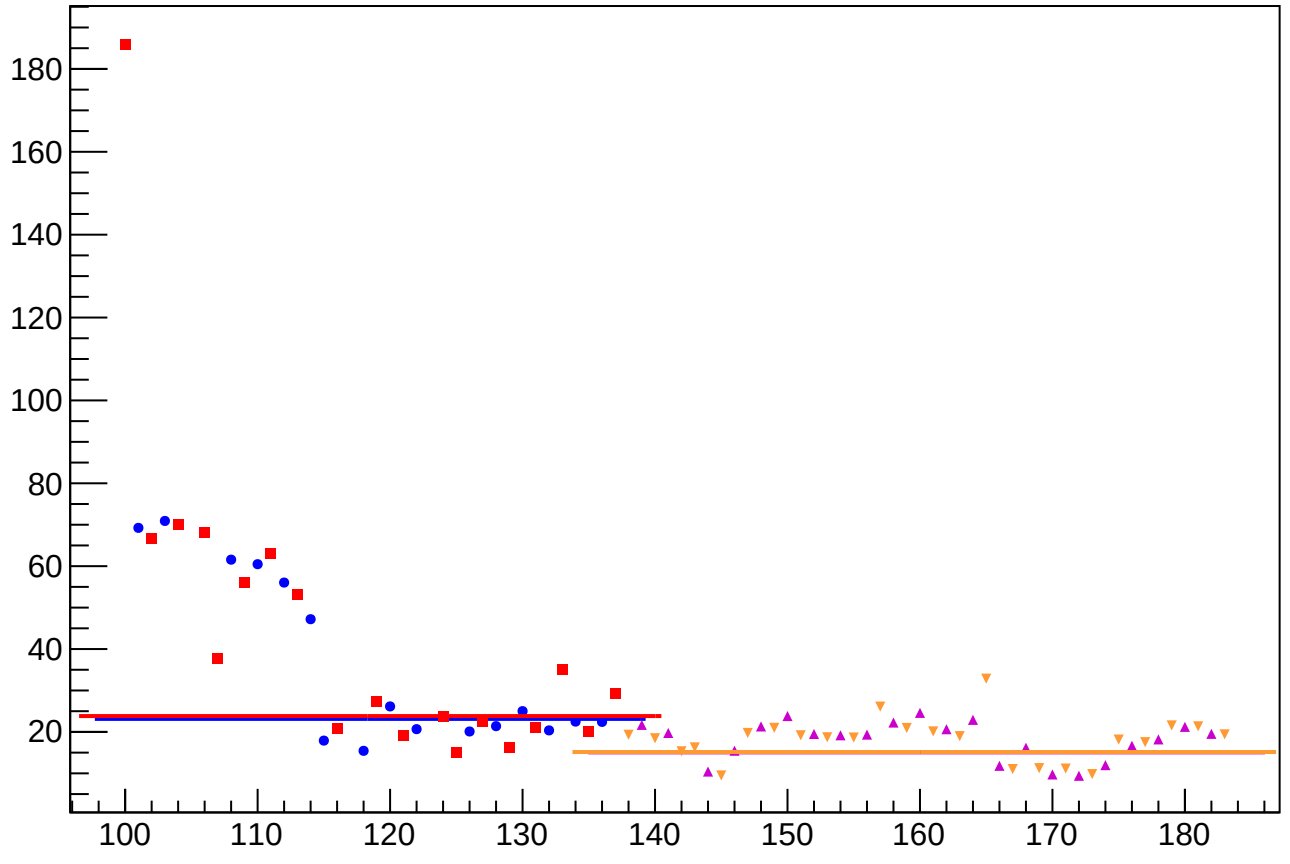
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:26.1/21

+ sign -0.001+/-0.003 χ^2/NDF: 35.9/39

All: -0.002+/-0.002 χ^2/NDF: 83.7/80

- sign -0.002+/-0.004 χ^2/NDF: 47.7/40



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.152+/-0.003 χ^2/NDF:3394967.0/23

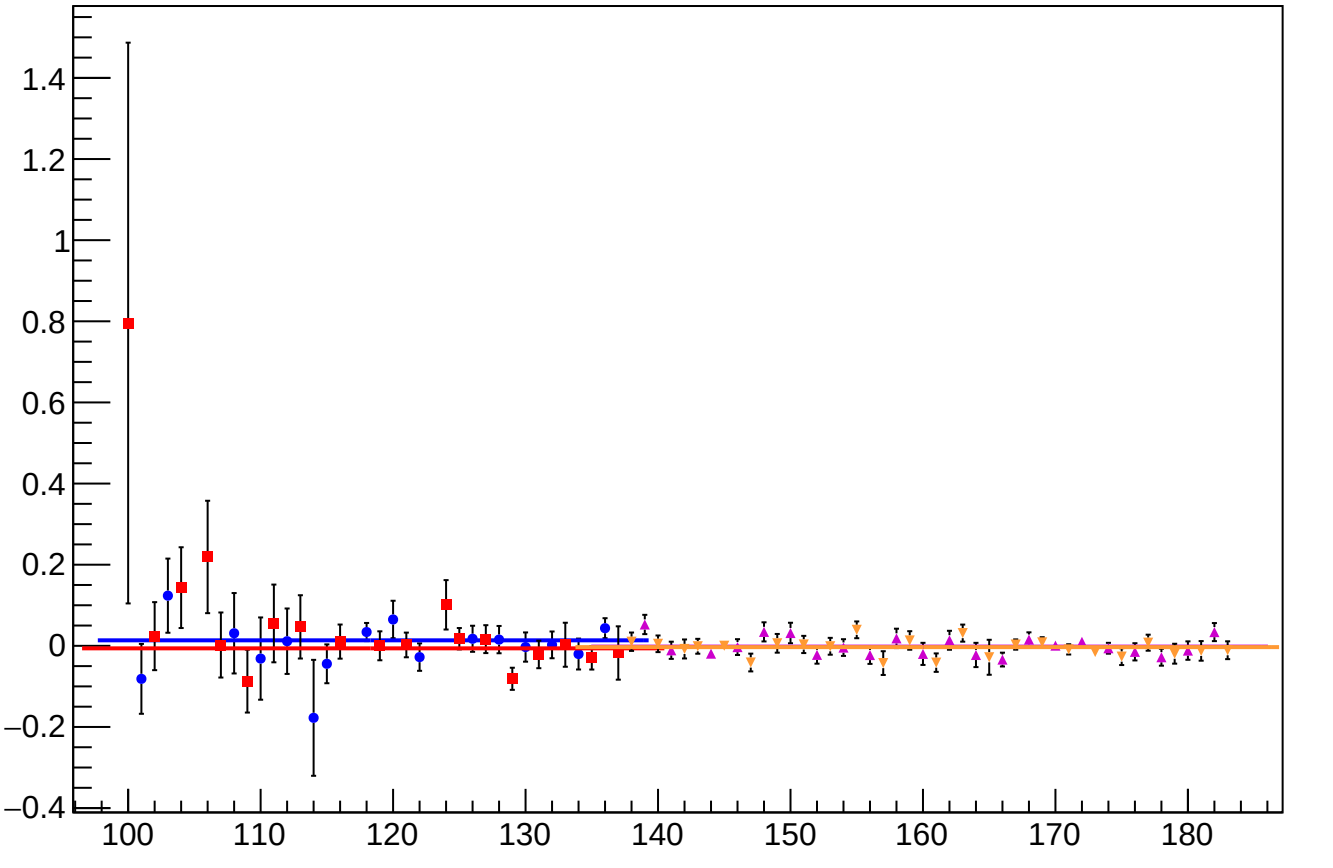
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.064+/-0.003 χ^2/NDF:3368216.5/21

+ sign 16.150+/-0.002 χ^2/NDF: 6954449.2/39

All: 16.165+/-0.002 χ^2/NDF: 14543000.6/80

- sign 16.180+/-0.003 χ^2/NDF: 7588479.6/40



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:21.0/23

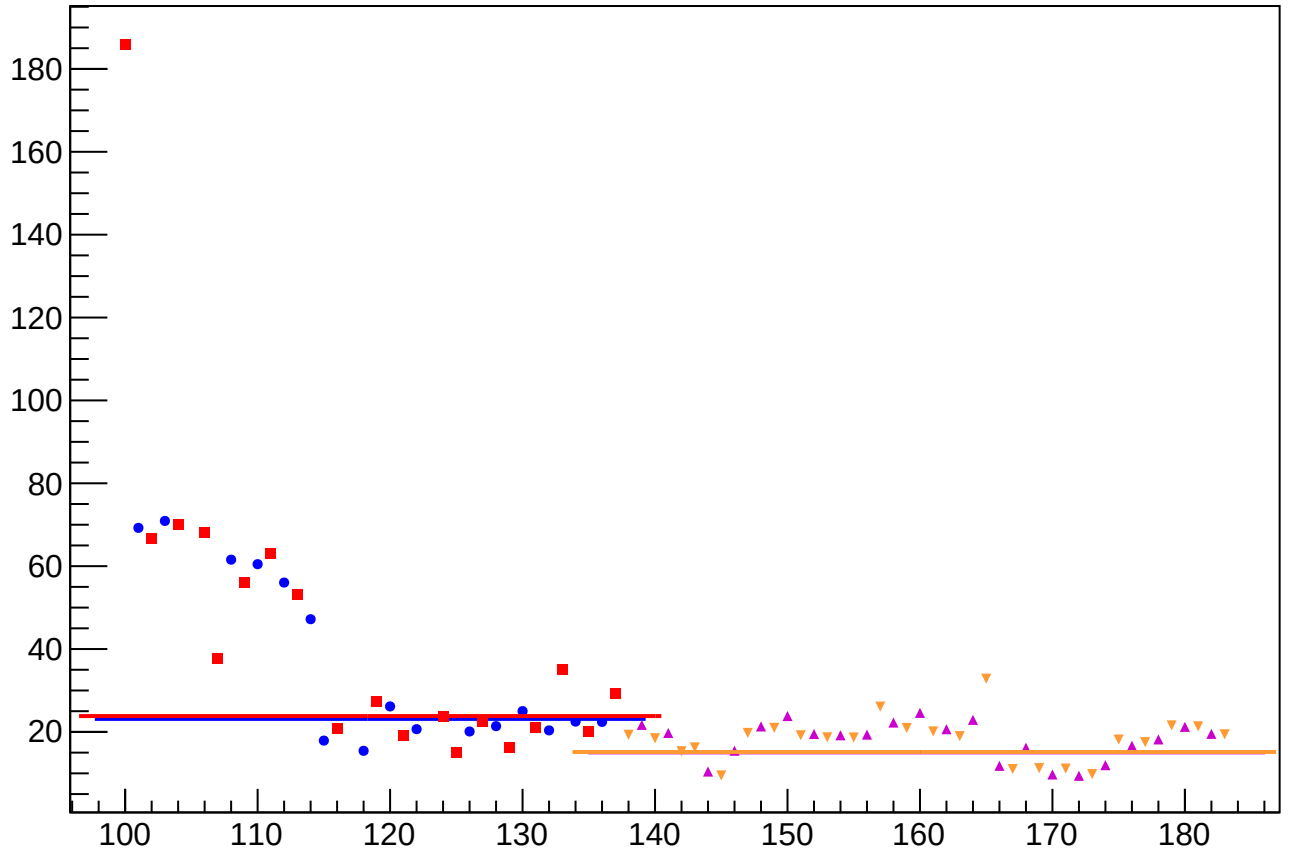
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:26.1/21

+ sign -0.001+/-0.003 χ^2/NDF: 35.9/39

All: -0.002+/-0.002 χ^2/NDF: 83.7/80

- sign -0.002+/-0.004 χ^2/NDF: 47.7/40



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.152+/-0.003 χ^2/NDF:3394967.0/23

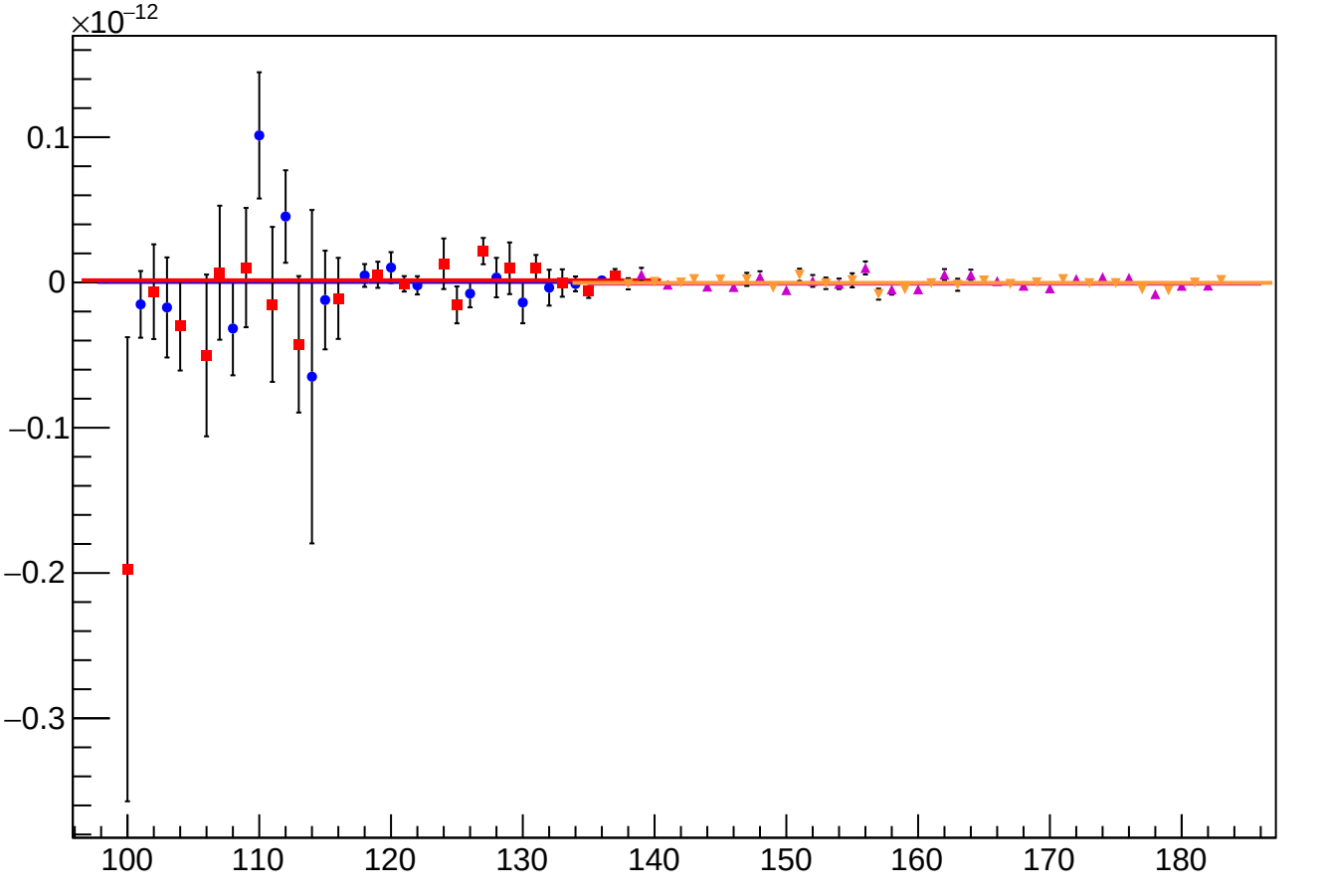
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.064+/-0.003 χ^2/NDF:3368216.5/21

+ sign 16.150+/-0.002 χ^2/NDF: 6954449.2/39

All: 16.165+/-0.002 χ^2/NDF: 14543000.6/80

- sign 16.180+/-0.003 χ^2/NDF: 7588479.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/23

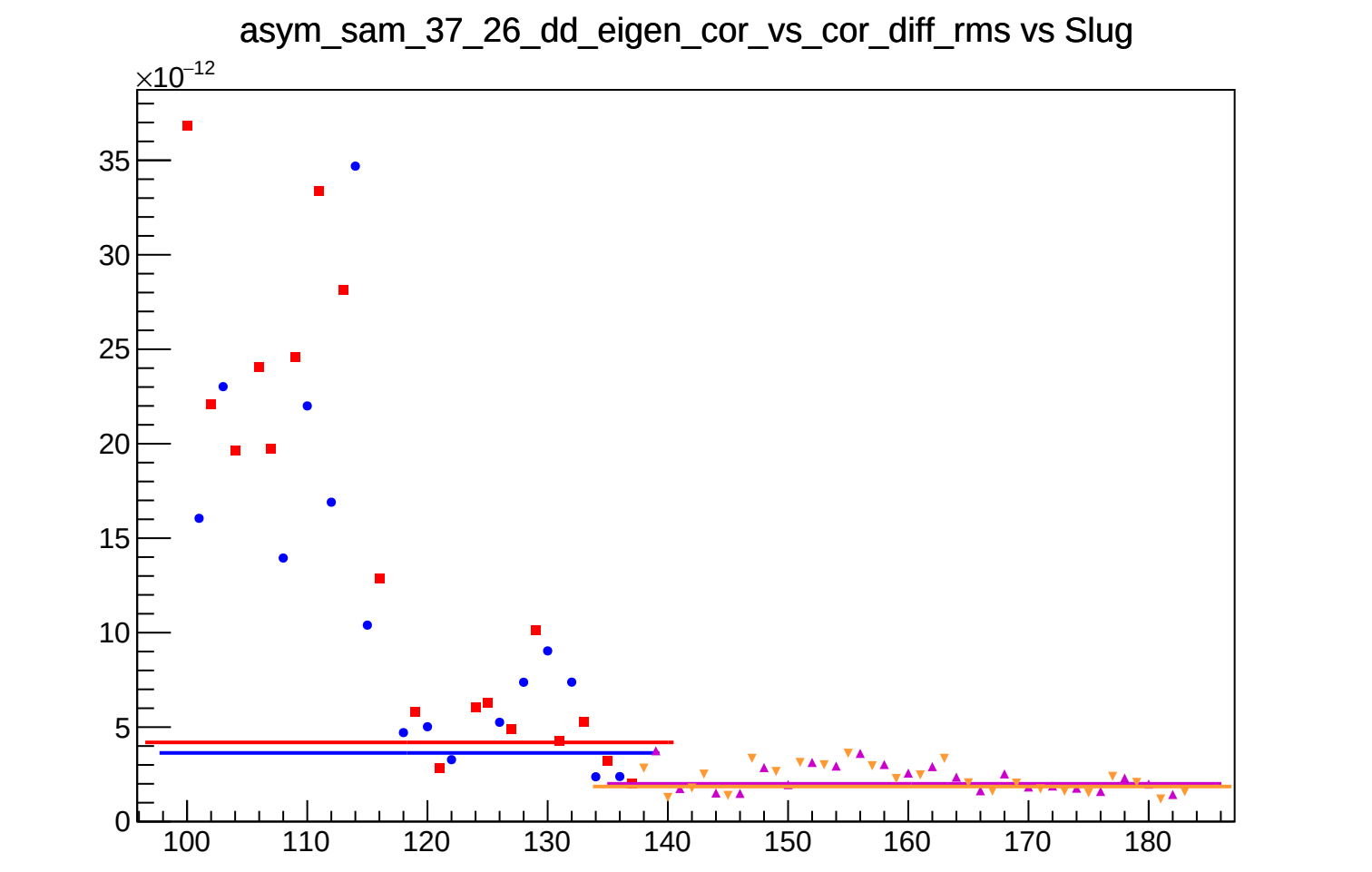
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:39.4/21

+ sign -0.000+/-0.000 χ^2/NDF: 33.6/39

All: -0.000+/-0.000 χ^2/NDF: 89.9/80

- sign -0.000+/-0.000 χ^2/NDF: 55.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2636934.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

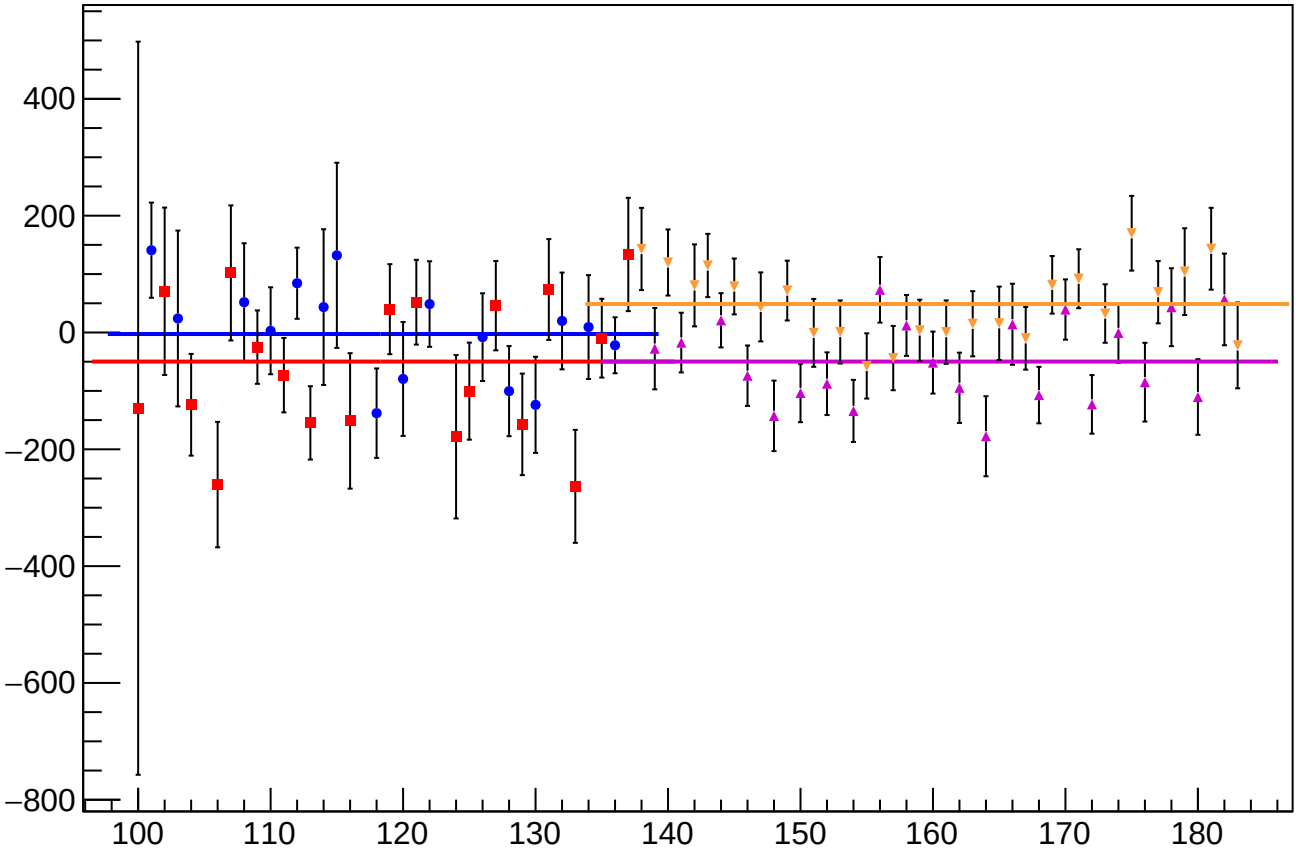
Left In: 0.000+/-0.000 χ^2/NDF:1940634.7/21

+ sign 0.000+/-0.000 χ^2/NDF: 7628516.1/39

All: 0.000+/-0.000 χ^2/NDF: 15737531.9/80

- sign 0.000+/-0.000 χ^2/NDF: 8025921.7/40

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 48.728+/-11.589 χ^2/NDF:25.3/23

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

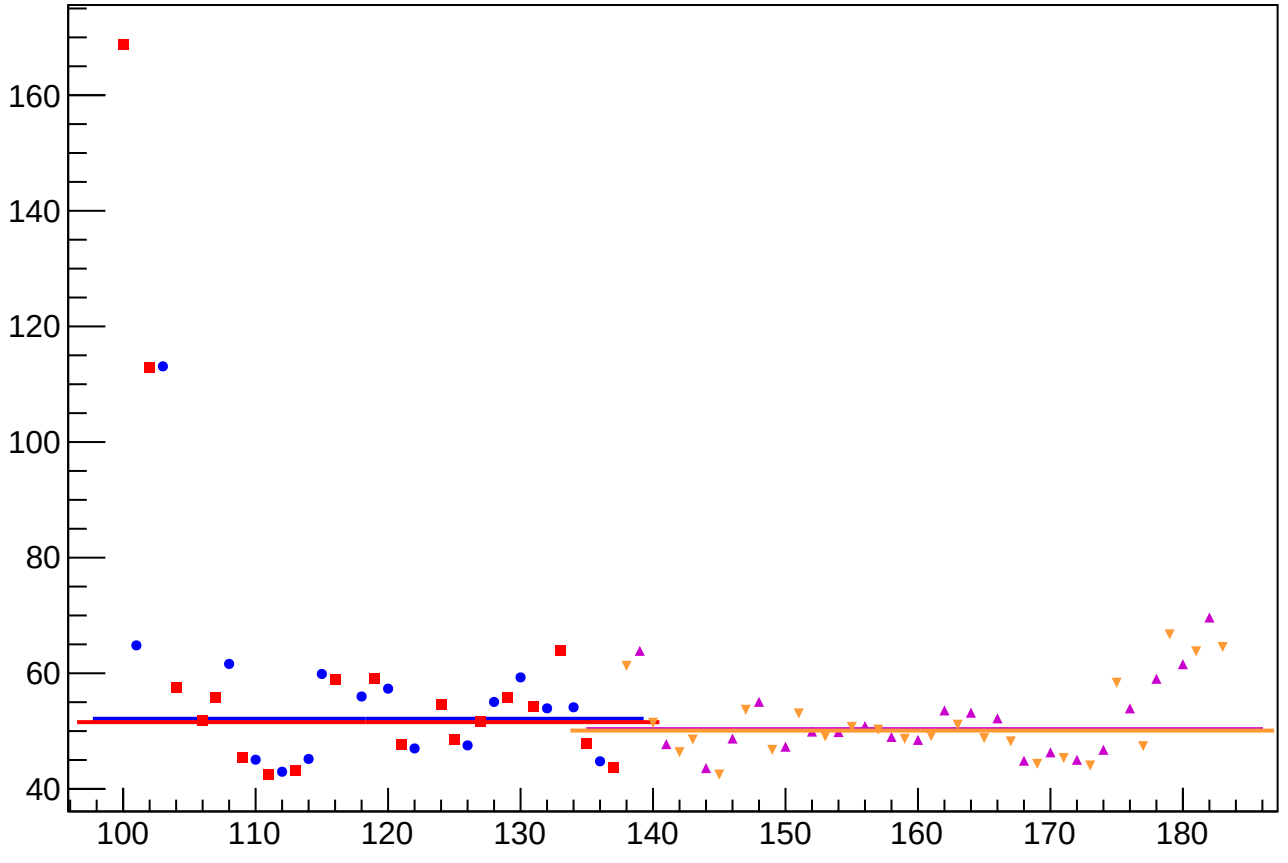
Left In: -49.808+/-11.978 χ^2/NDF:33.1/21

+ sign 35.817+/-10.027 χ^2/NDF: 44.8/39

All: -6.164+/-7.158 χ^2/NDF: 143.0/80

- sign -49.808+/-10.223 χ^2/NDF: 62.4/40

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 50.089+/-0.008 χ^2/NDF:504870.0/23

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

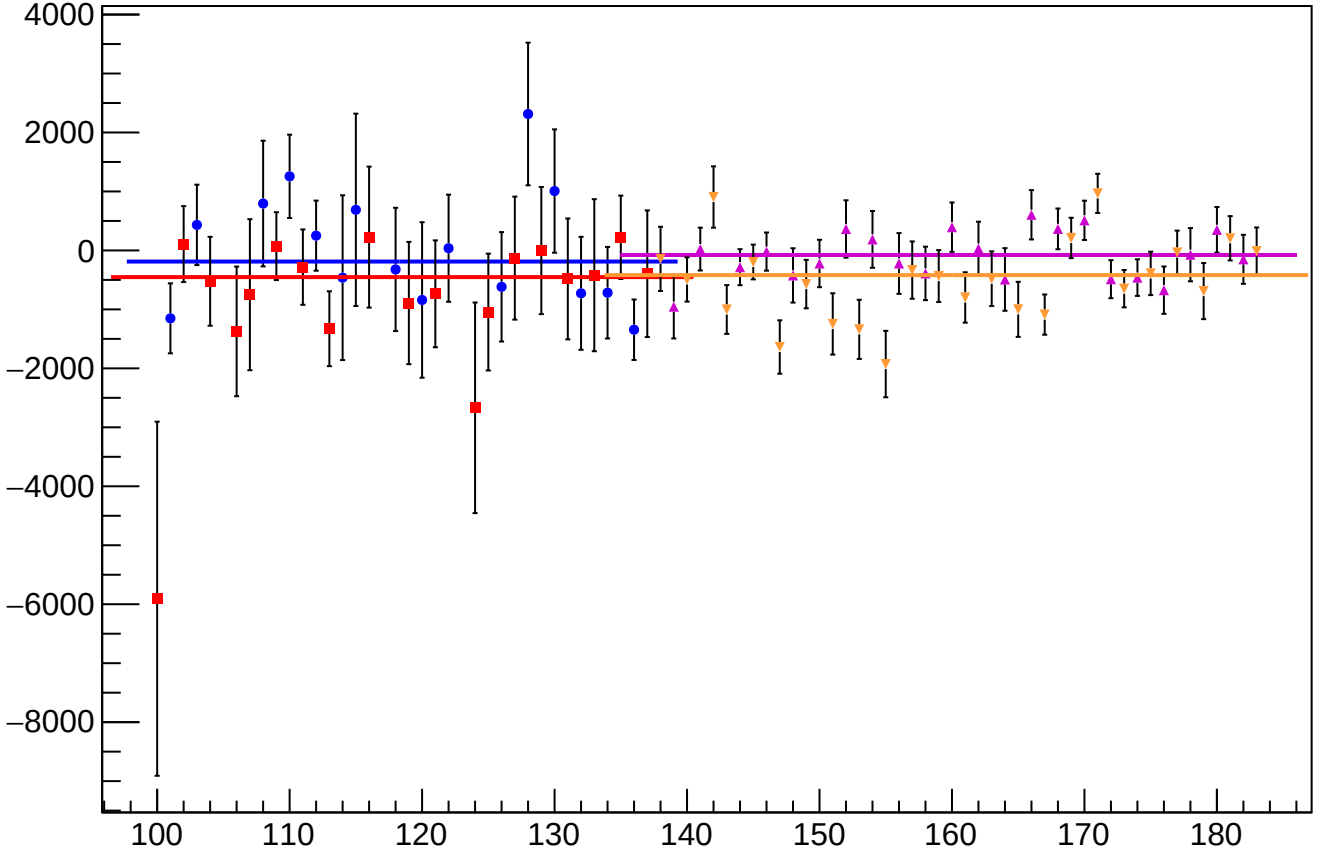
Left In: 50.336+/-0.008 χ^2/NDF:450358.8/21

+ sign 50.602+/-0.007 χ^2/NDF: 1083363.0/39

All: 50.633+/-0.005 χ^2/NDF: 2178905.2/80

- sign 50.665+/-0.007 χ^2/NDF: 1095503.0/40

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -418.687+/-82.852 χ^2/NDF:62.5/23

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

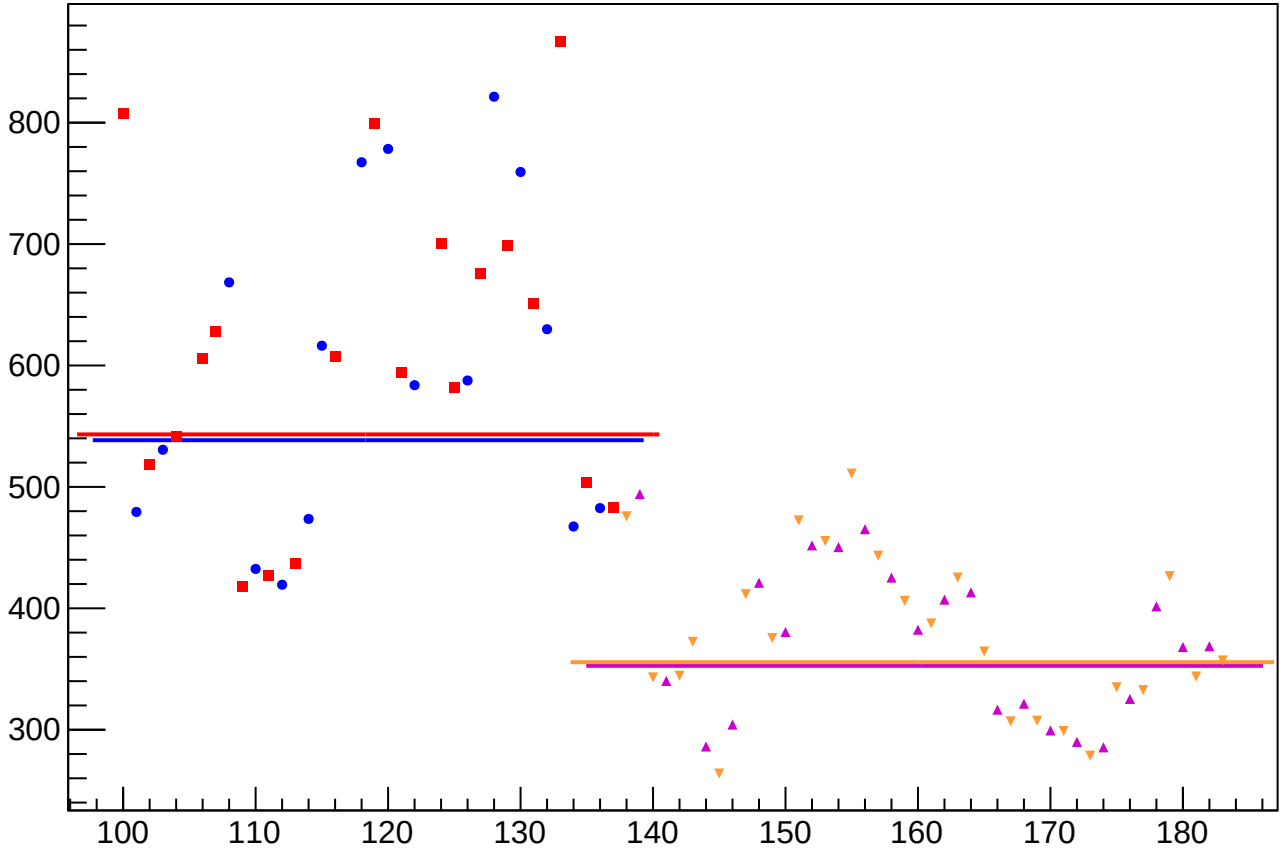
Left In: -77.720+/-84.497 χ^2/NDF:21.5/21

+ sign -386.594+/-76.858 χ^2/NDF: 85.0/39

All: -261.591+/-54.767 χ^2/NDF: 126.0/80

- sign -132.646+/-78.061 χ^2/NDF: 35.7/40

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 355.661+/-0.059 χ^2/NDF:1130361.5/23

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

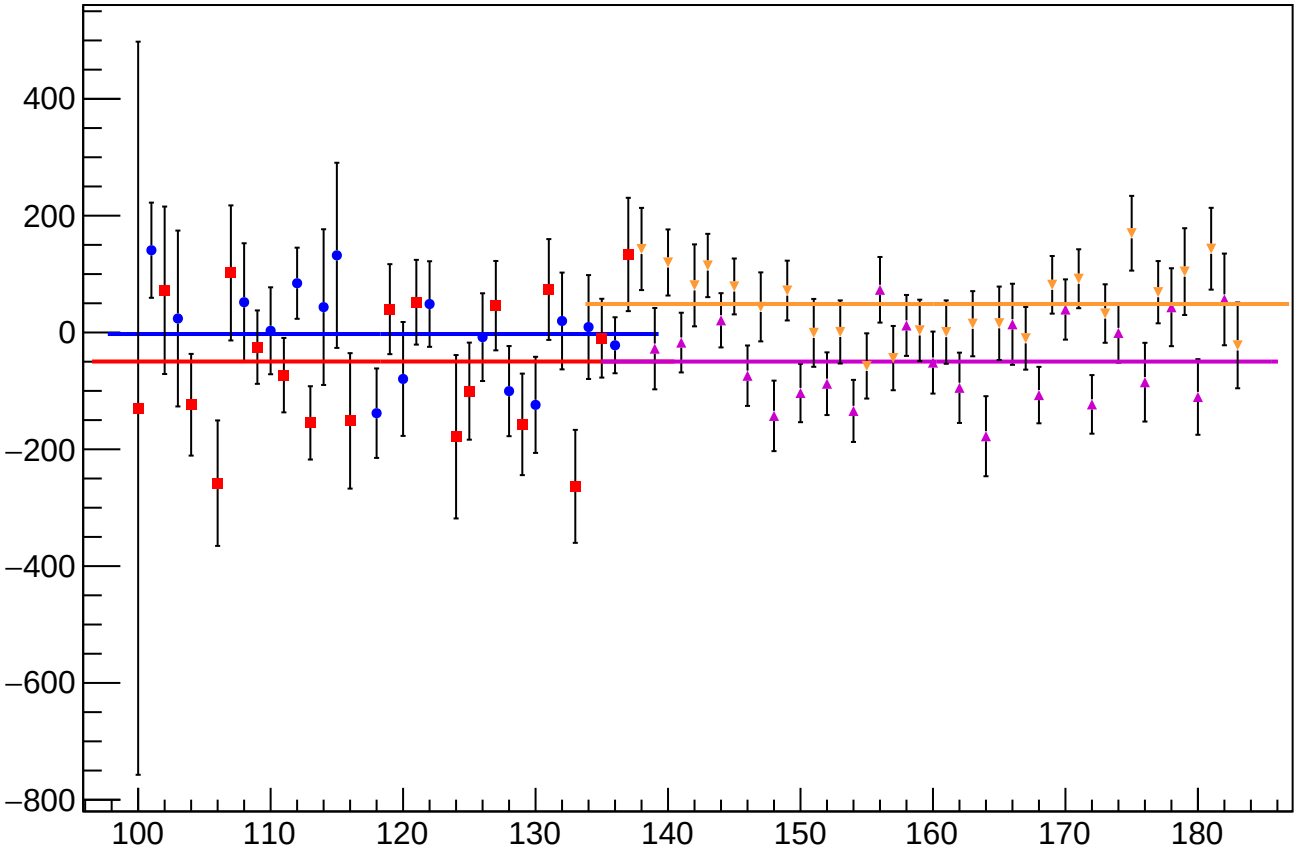
Left In: 352.679+/-0.060 χ^2/NDF:1000474.4/21

\+ sign 381.155+/-0.054 χ^2/NDF: 3102198.2/39

All: 380.884+/-0.039 χ^2/NDF: 6230505.2/80

\- sign 380.604+/-0.055 χ^2/NDF: 3128256.3/40

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 48.730+/-11.589 χ^2/NDF:25.3/23

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

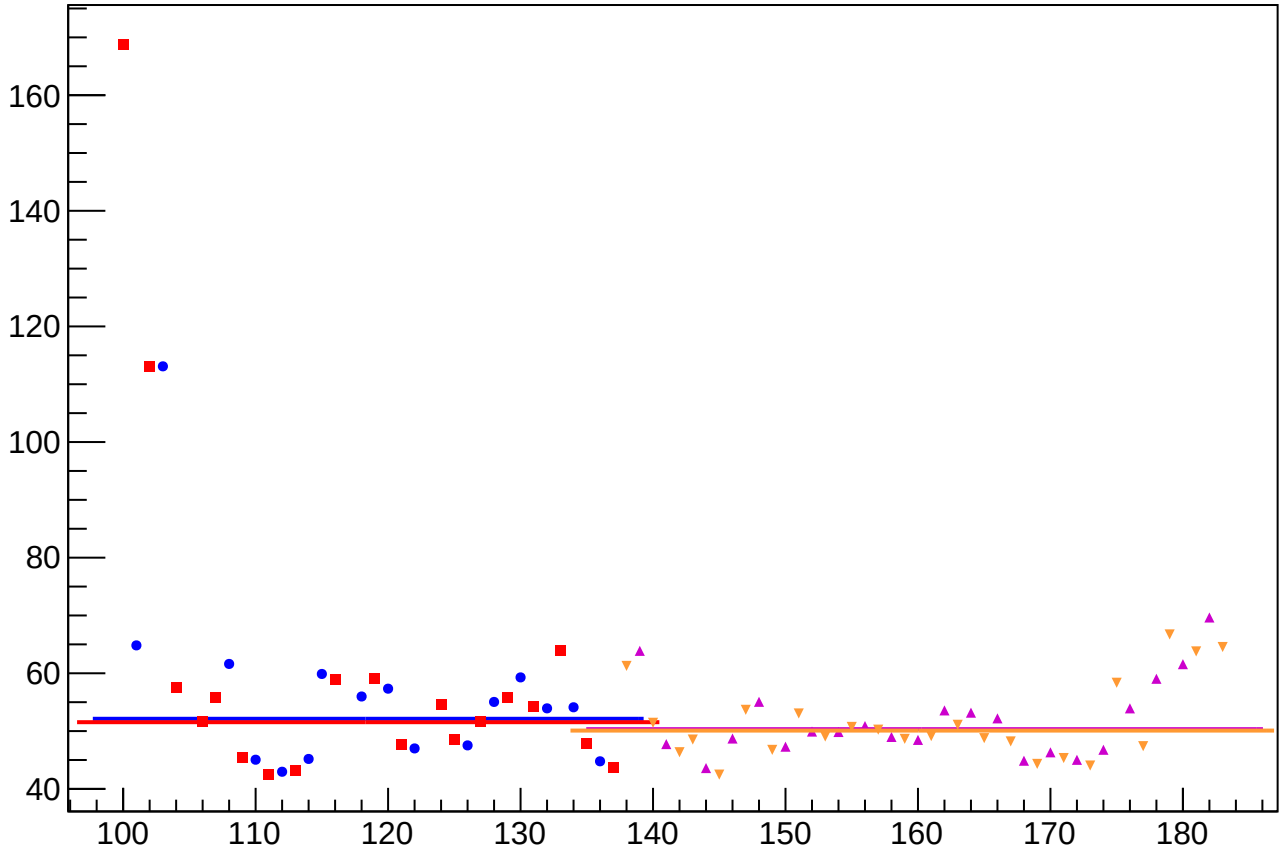
Left In: -49.808+/-11.978 χ^2/NDF:33.1/21

+ sign 35.817+/-10.027 χ^2/NDF: 44.8/39

All: -6.148+/-7.158 χ^2/NDF: 142.9/80

- sign -49.777+/-10.223 χ^2/NDF: 62.3/40

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 50.089+/-0.008 χ^2/NDF:504870.0/23

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

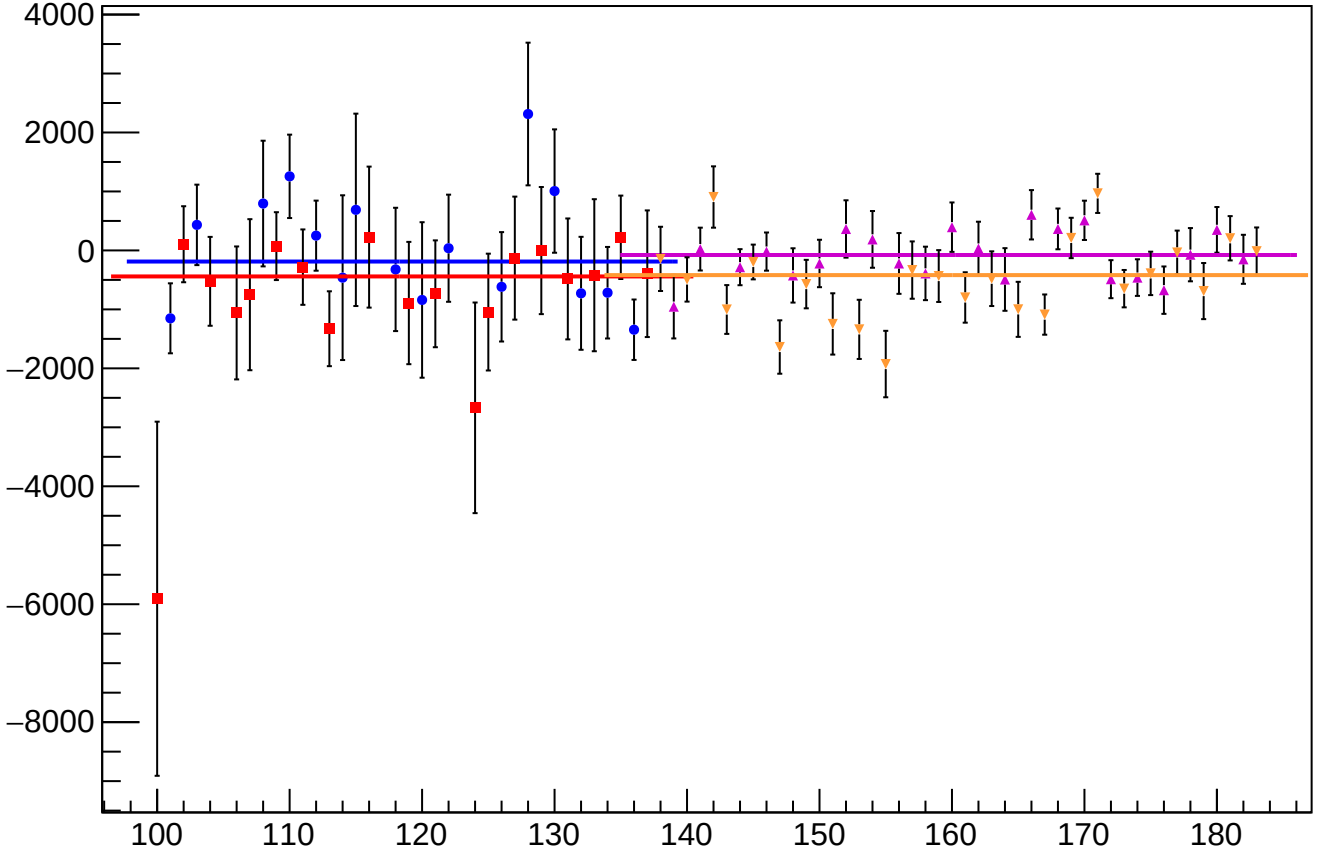
Left In: 50.336+/-0.008 χ^2/NDF:450358.8/21

+ sign 50.602+/-0.007 χ^2/NDF: 1083365.3/39

All: 50.632+/-0.005 χ^2/NDF: 2179029.4/80

- sign 50.663+/-0.007 χ^2/NDF: 1095628.3/40

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -418.683+/-82.852 χ^2/NDF:62.5/23

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

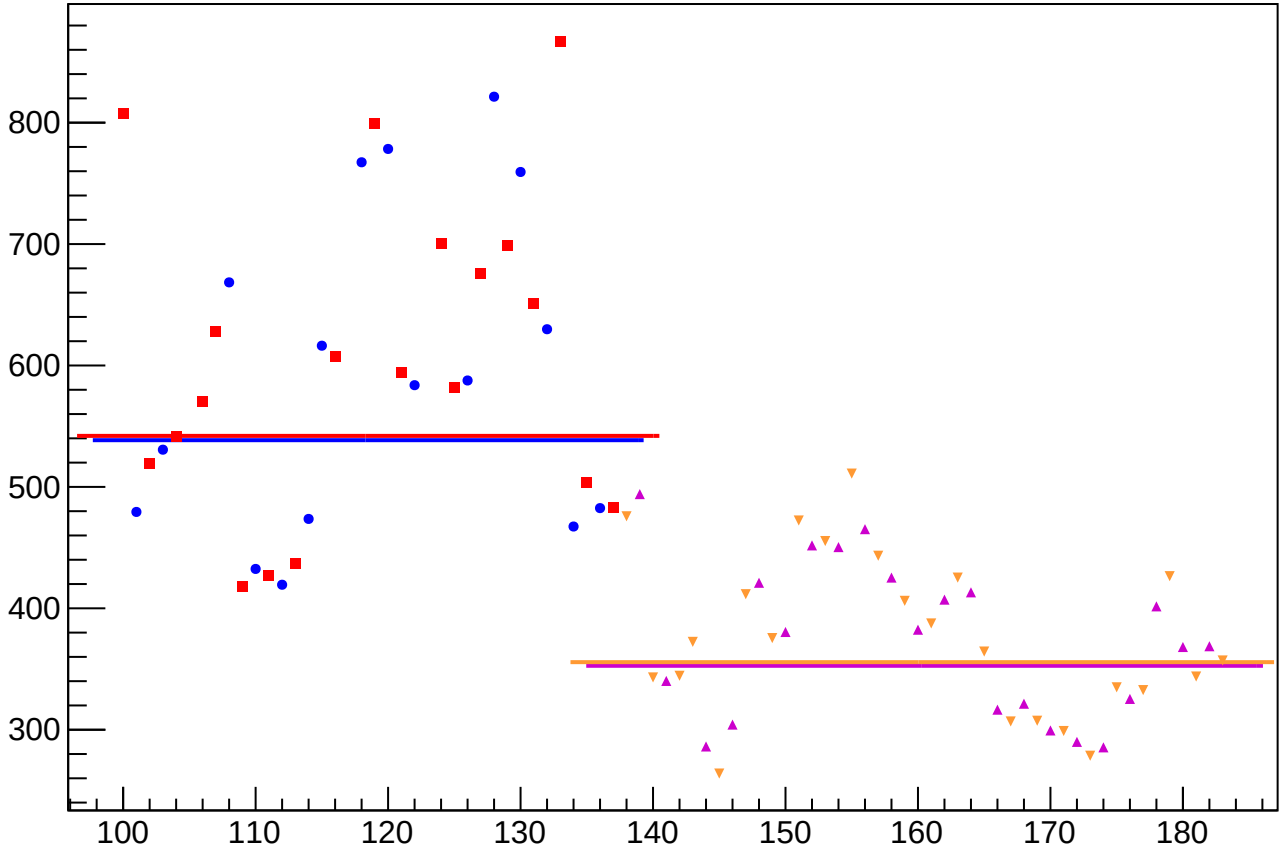
Left In: -77.720+/-84.497 χ^2/NDF:21.5/21

+ sign -386.589+/-76.858 χ^2/NDF: 85.0/39

All: -260.743+/-54.771 χ^2/NDF: 125.5/80

- sign -130.894+/-78.072 χ^2/NDF: 35.1/40

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.661+/-0.059 χ^2/NDF:1130365.6/23

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

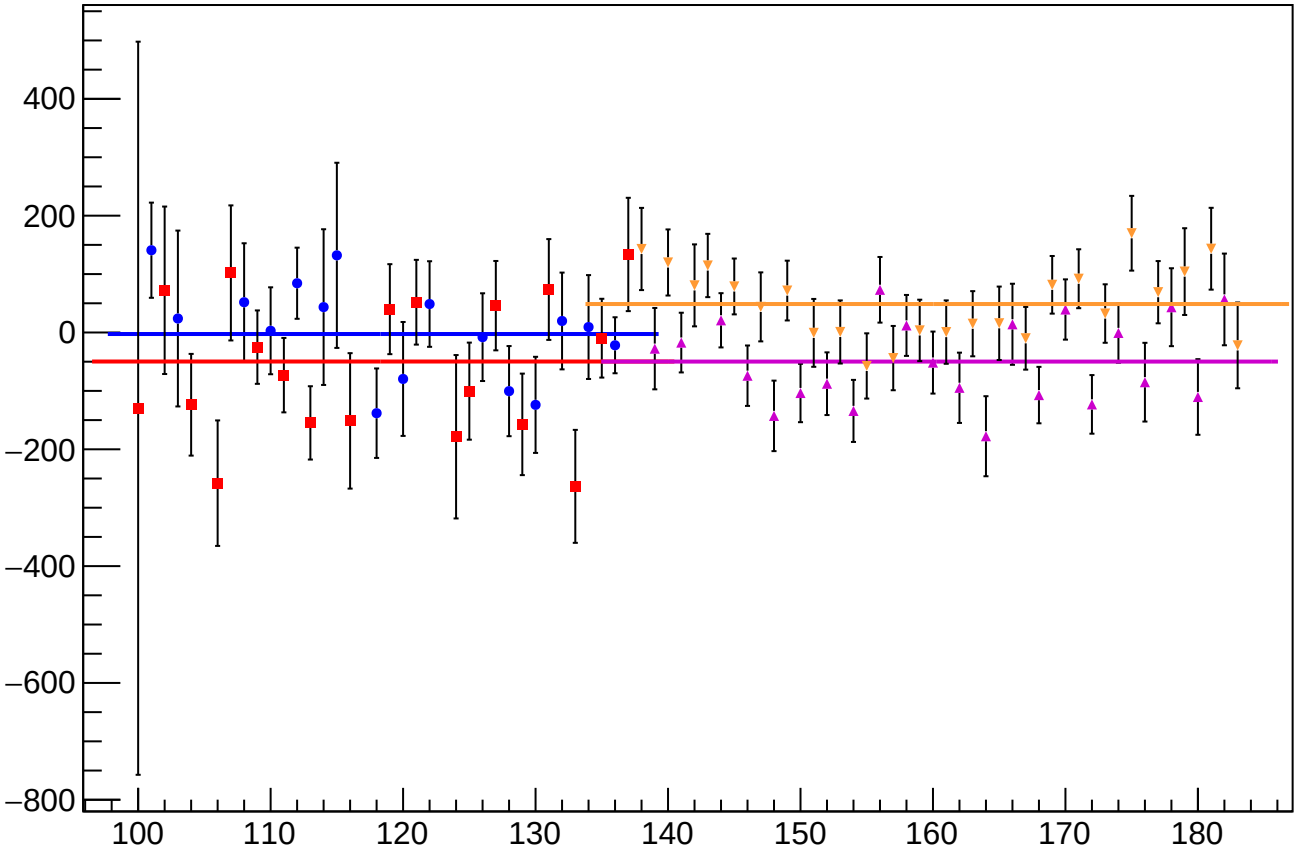
Left In: 352.679+/-0.060 χ^2/NDF:1000474.6/21

\+ sign 381.155+/-0.054 χ^2/NDF: 3102257.0/39

All: 380.774+/-0.039 χ^2/NDF: 6203712.6/80

\- sign 380.381+/-0.055 χ^2/NDF: 3101355.7/40

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 48.730+/-11.589 χ^2/NDF:25.3/23

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

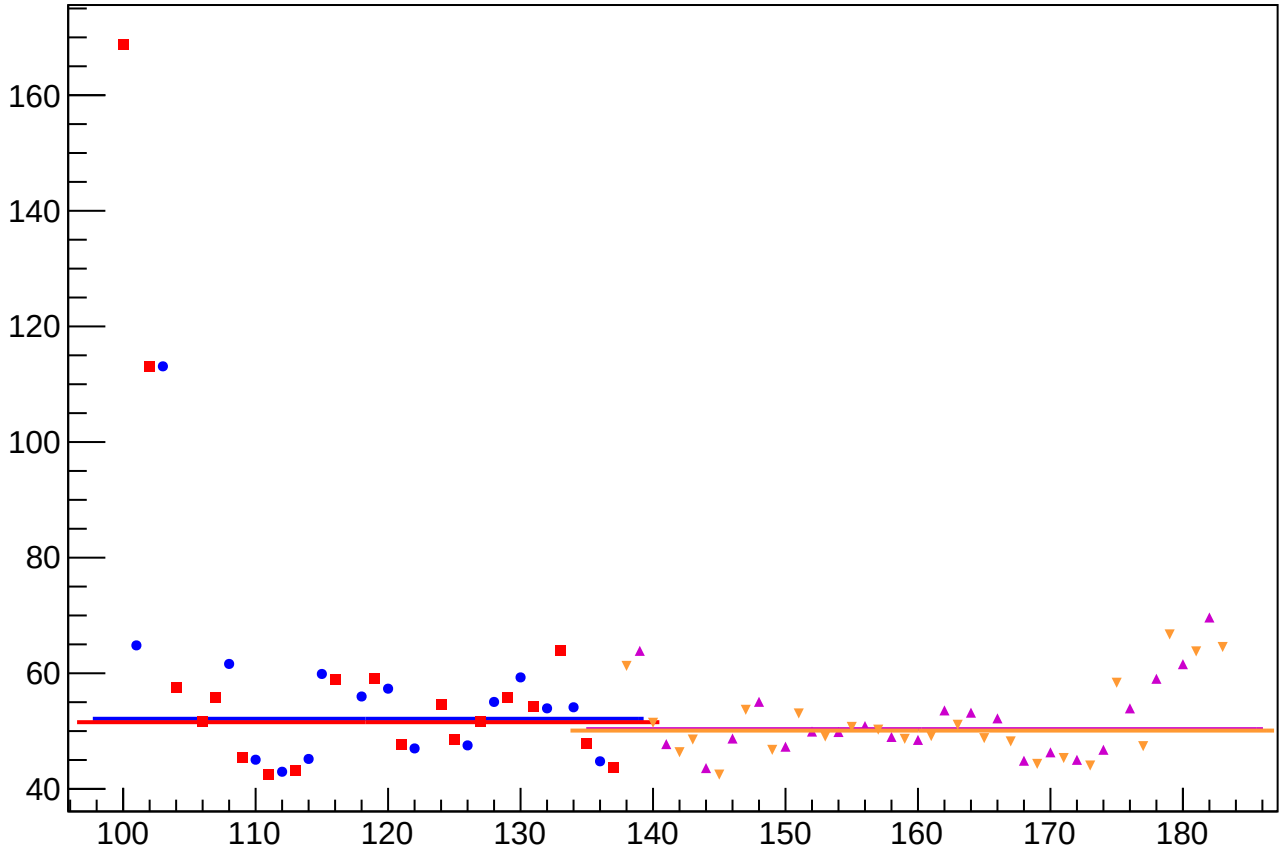
Left In: -49.808+/-11.978 χ^2/NDF:33.1/21

+ sign 35.817+/-10.027 χ^2/NDF: 44.8/39

All: -6.148+/-7.158 χ^2/NDF: 142.9/80

- sign -49.777+/-10.223 χ^2/NDF: 62.3/40

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 50.089+/-0.008 χ^2/NDF:504870.0/23

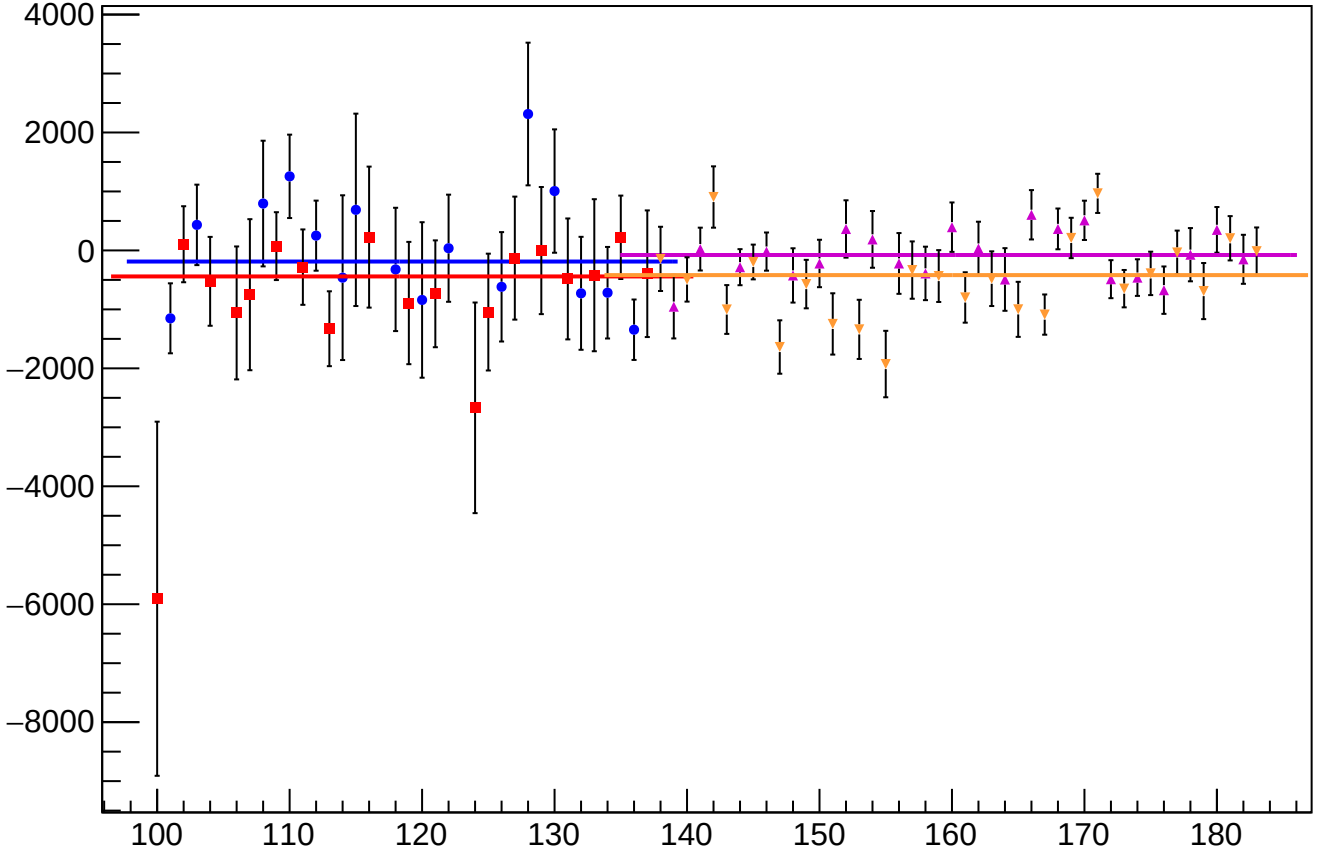
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.336+/-0.008 χ^2/NDF:450358.8/21

+ sign 50.602+/-0.007 χ^2/NDF: 1083365.3/39

All: 50.632+/-0.005 χ^2/NDF: 2179029.4/80

- sign 50.663+/-0.007 χ^2/NDF: 1095628.3/40



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -418.683+/-82.852 χ^2/NDF:62.5/23

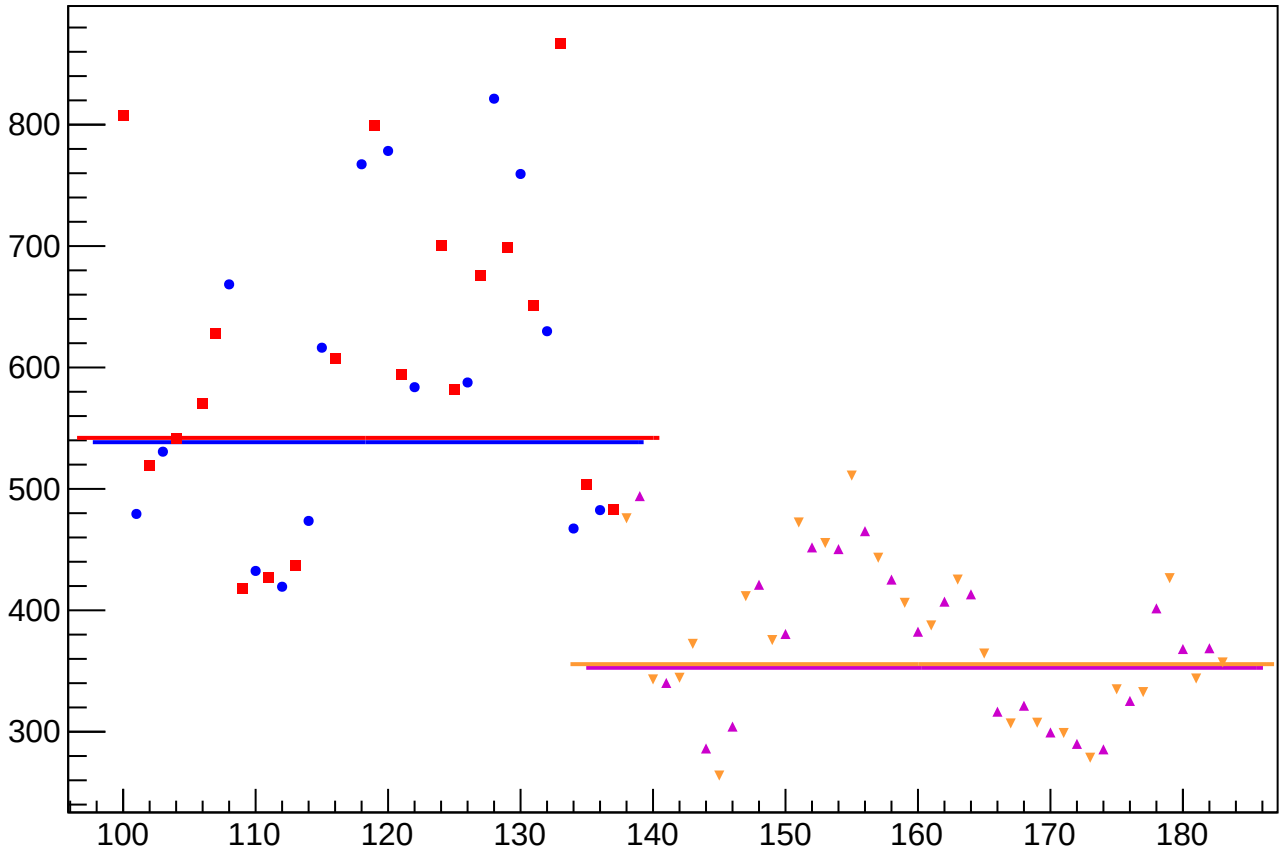
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -77.720+/-84.497 χ^2/NDF:21.5/21

+ sign -386.589+/-76.858 χ^2/NDF: 85.0/39

All: -260.743+/-54.771 χ^2/NDF: 125.5/80

- sign -130.894+/-78.072 χ^2/NDF: 35.1/40



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 355.661+/-0.059 χ^2/NDF:1130365.6/23

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

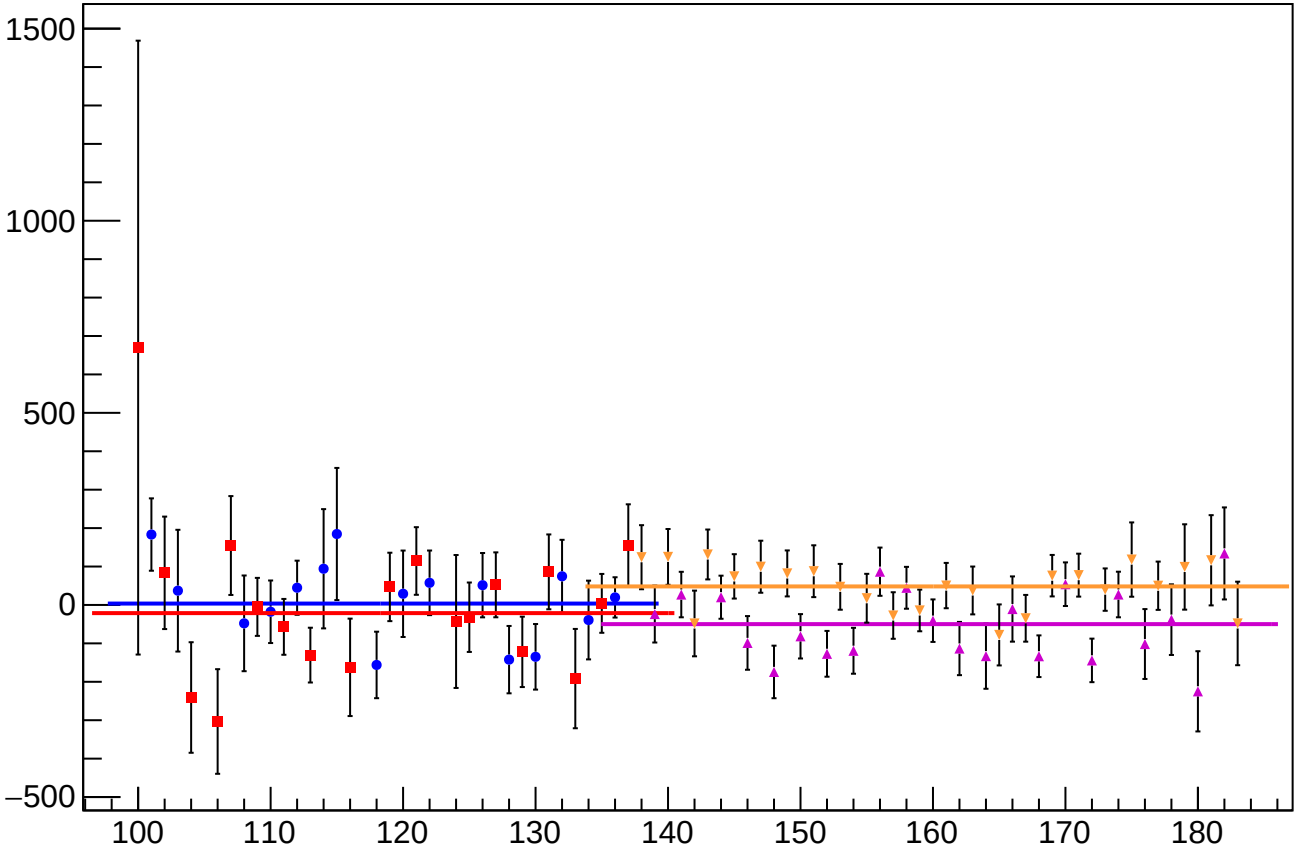
Left In: 352.679+/-0.060 χ^2/NDF:1000474.6/21

+ sign 381.155+/-0.054 χ^2/NDF: 3102257.0/39

All: 380.774+/-0.039 χ^2/NDF: 6203712.6/80

- sign 380.381+/-0.055 χ^2/NDF: 3101355.7/40

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.213+/-13.569 χ^2/NDF:16.3/23

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

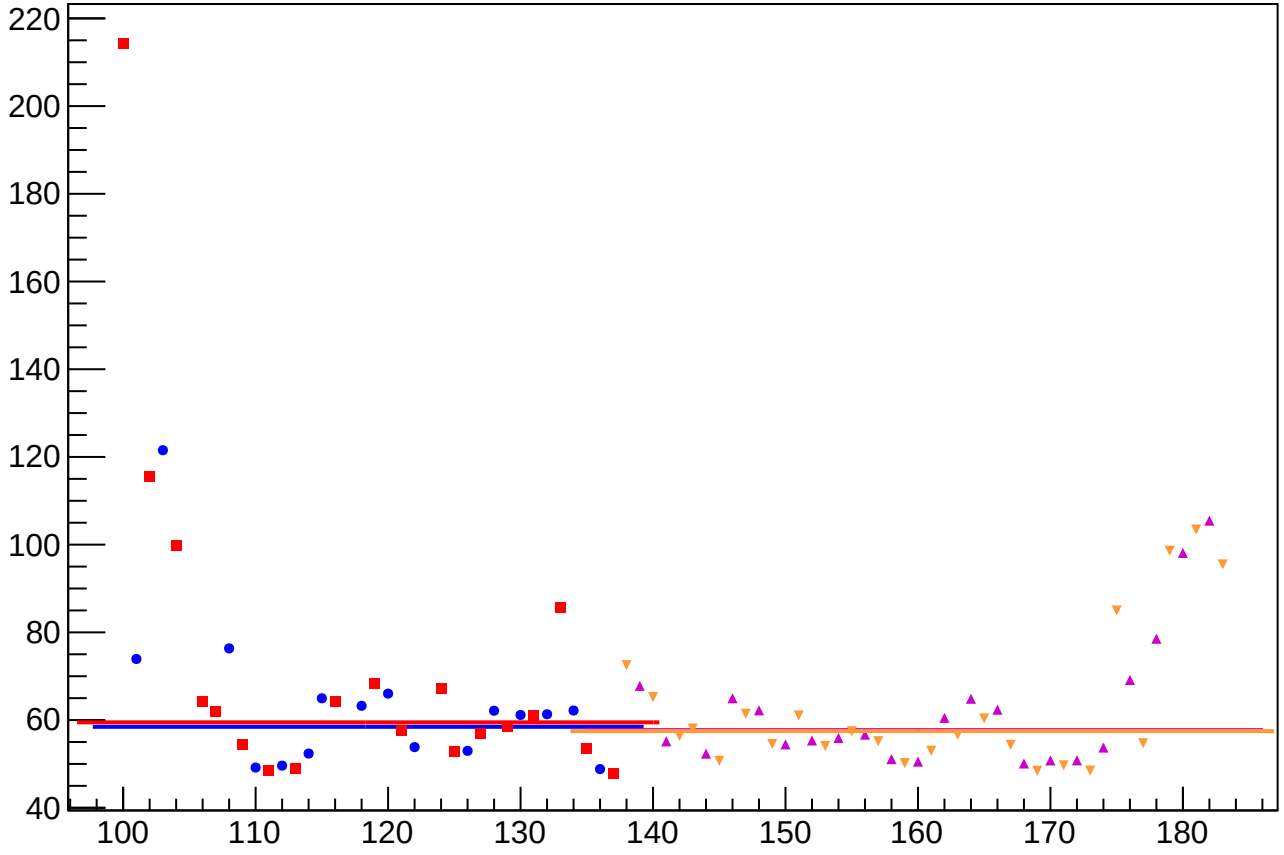
Left In: -49.907+/-13.983 χ^2/NDF:36.0/21

+ sign 36.299+/-11.617 χ^2/NDF: 35.3/39

All: -1.887+/-8.318 χ^2/NDF: 119.0/80

- sign -42.060+/-11.915 χ^2/NDF: 61.5/40

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 57.484+/-0.010 χ^2/NDF:1337940.6/23

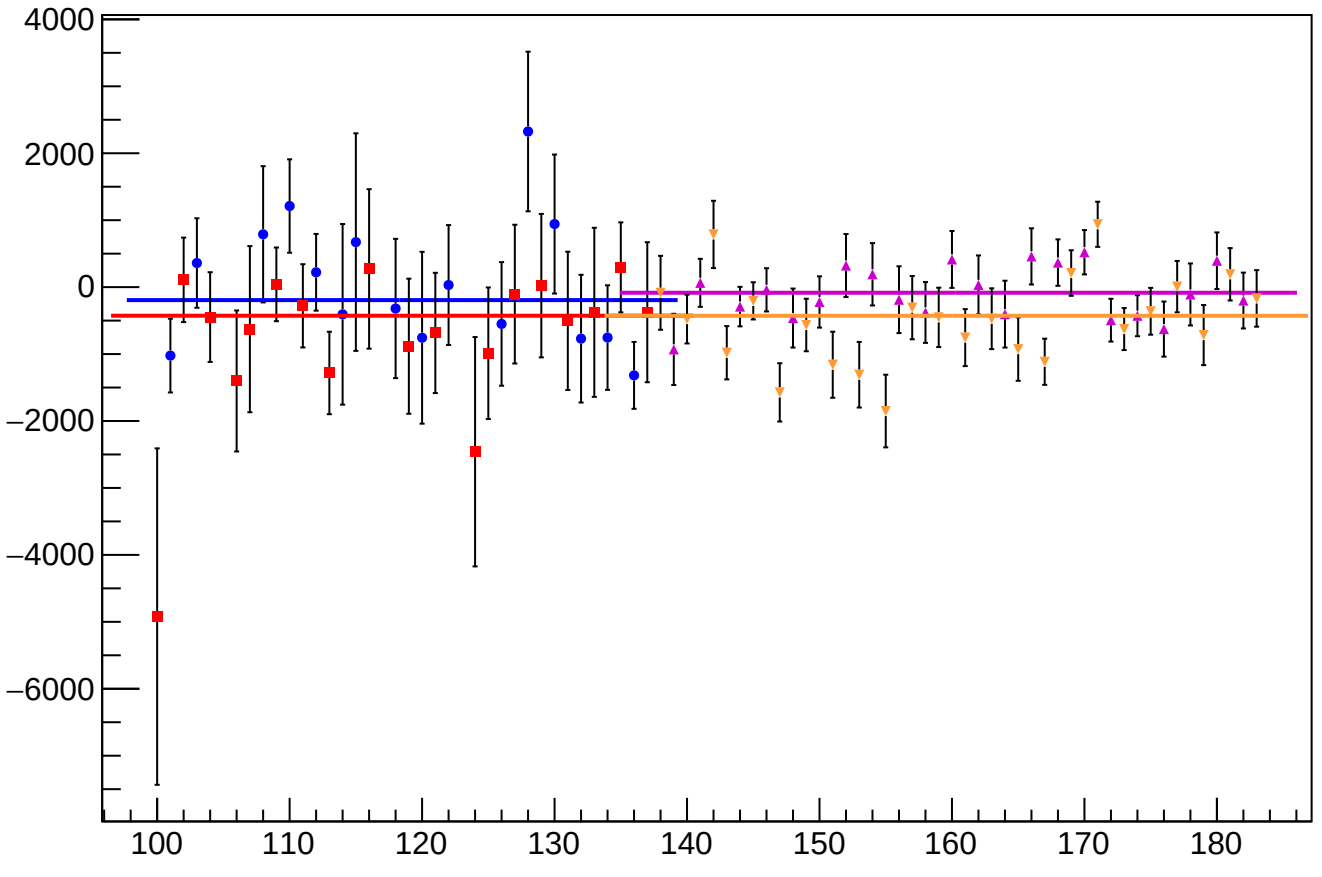
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 57.710+/-0.010 χ^2/NDF:1047181.3/21

+ sign 57.746+/-0.008 χ^2/NDF: 1923715.9/39

All: 57.965+/-0.006 χ^2/NDF: 3766053.5/80

- sign 58.196+/-0.008 χ^2/NDF: 1840879.9/40



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -427.706+/-81.669 χ^2/NDF:58.9/23

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

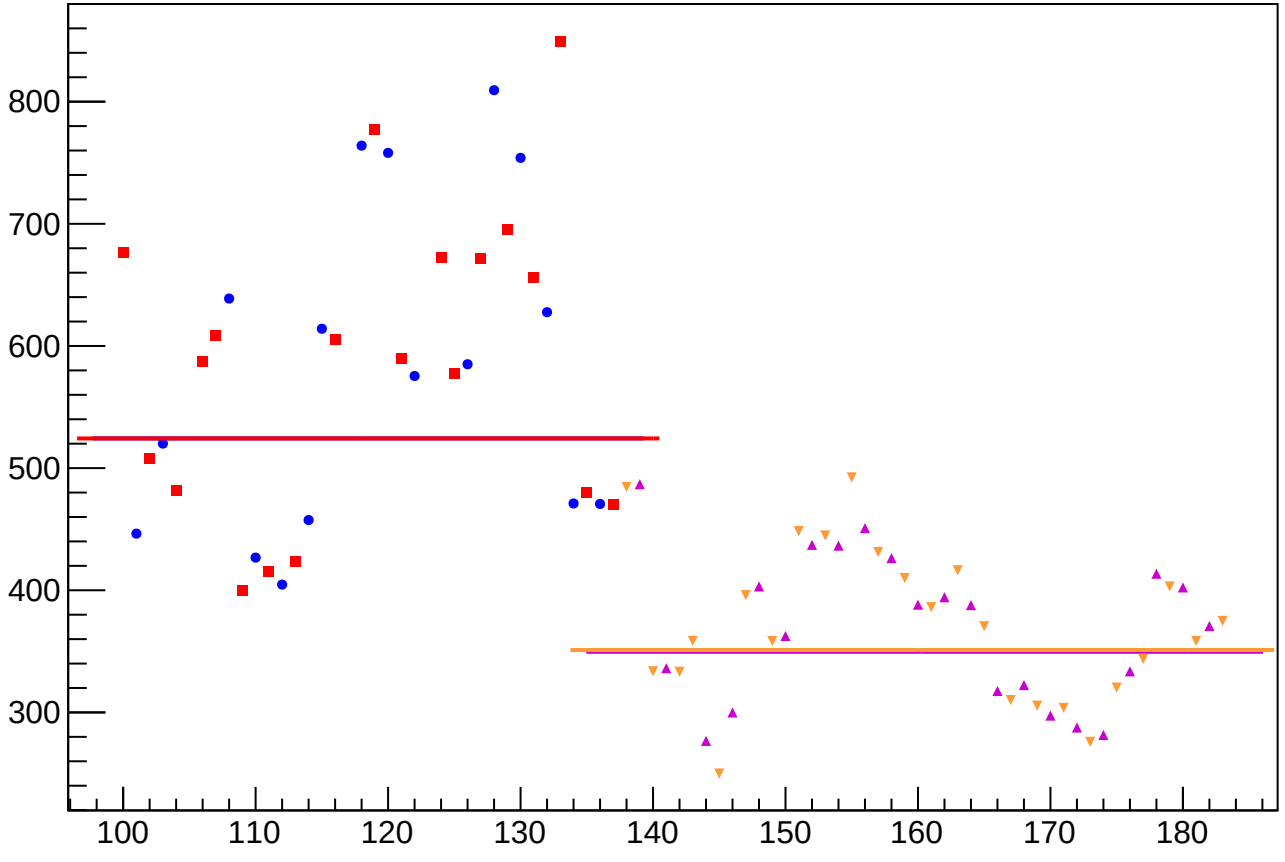
Left In: -83.913+/-83.747 χ^2/NDF:20.2/21

+ sign -394.464+/-75.641 χ^2/NDF: 80.8/39

All: -267.860+/-53.985 χ^2/NDF: 120.6/80

- sign -136.419+/-77.072 χ^2/NDF: 34.1/40

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 351.128+/-0.058 χ^2/NDF:1117823.1/23

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

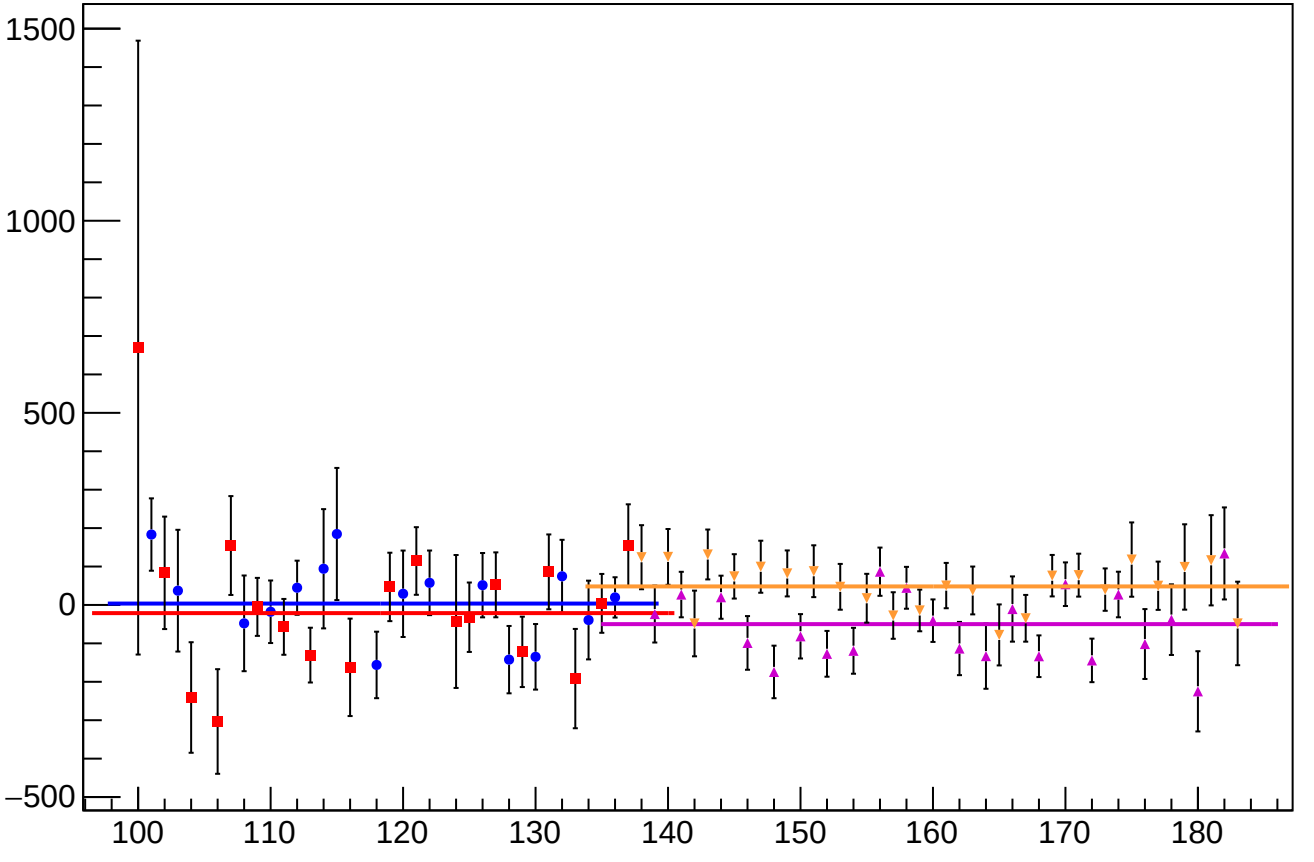
Left In: 349.644+/-0.059 χ^2/NDF:989854.5/21

+ sign 375.753+/-0.053 χ^2/NDF: 3055209.0/39

All: 376.059+/-0.038 χ^2/NDF: 6062656.1/80

- sign 376.377+/-0.054 χ^2/NDF: 3007380.4/40

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.213+/-13.569 χ^2/NDF:16.3/23

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

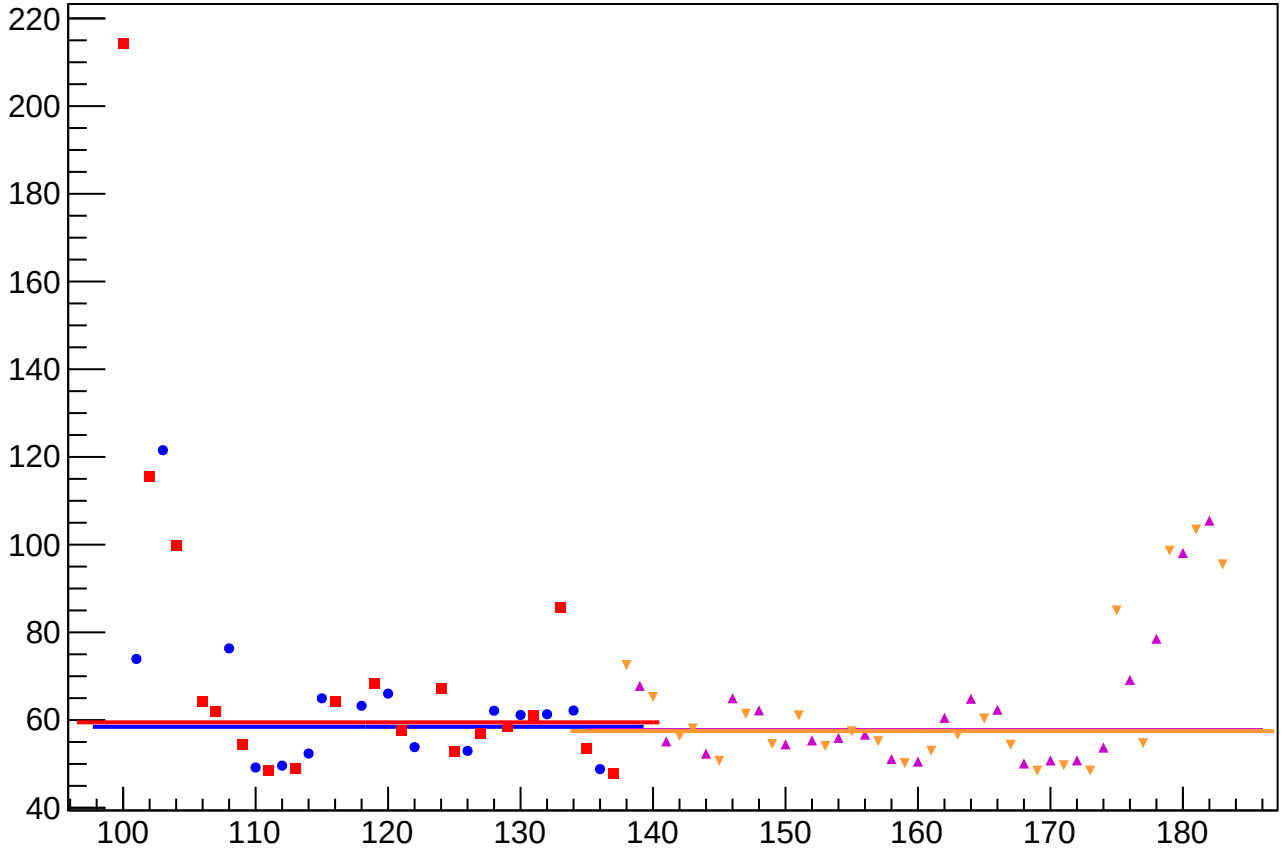
Left In: -49.906+/-13.983 χ^2/NDF:36.0/21

+ sign 36.299+/-11.617 χ^2/NDF: 35.3/39

All: -1.886+/-8.318 χ^2/NDF: 119.0/80

- sign -42.059+/-11.915 χ^2/NDF: 61.5/40

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 57.485+/-0.010 χ^2/NDF:1337936.0/23

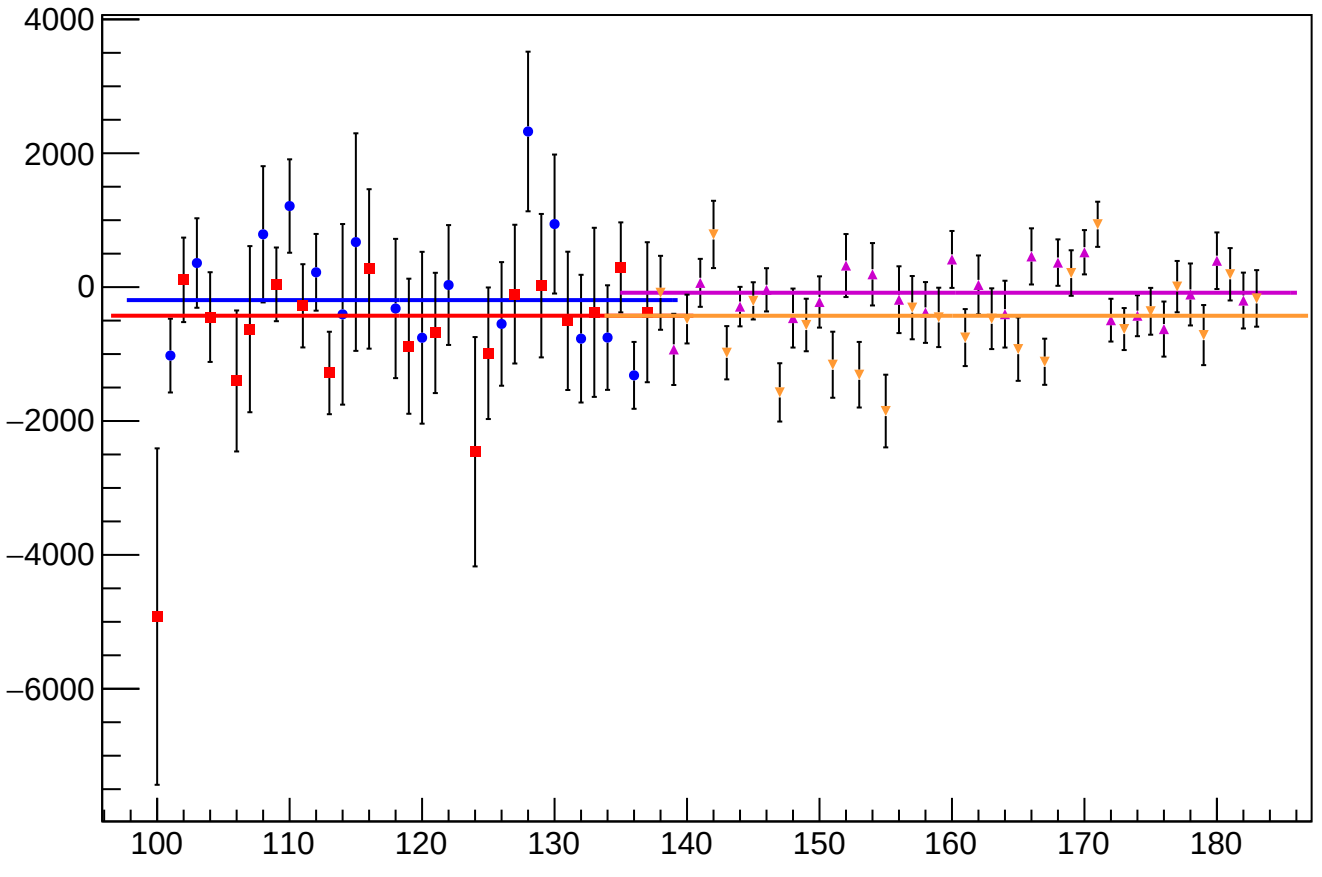
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.710+/-0.010 χ^2/NDF:1047168.5/21

+ sign 57.747+/-0.008 χ^2/NDF: 1923707.6/39

All: 57.966+/-0.006 χ^2/NDF: 3766032.7/80

- sign 58.196+/-0.008 χ^2/NDF: 1840867.2/40



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -427.706+/-81.669 χ^2/NDF:58.9/23

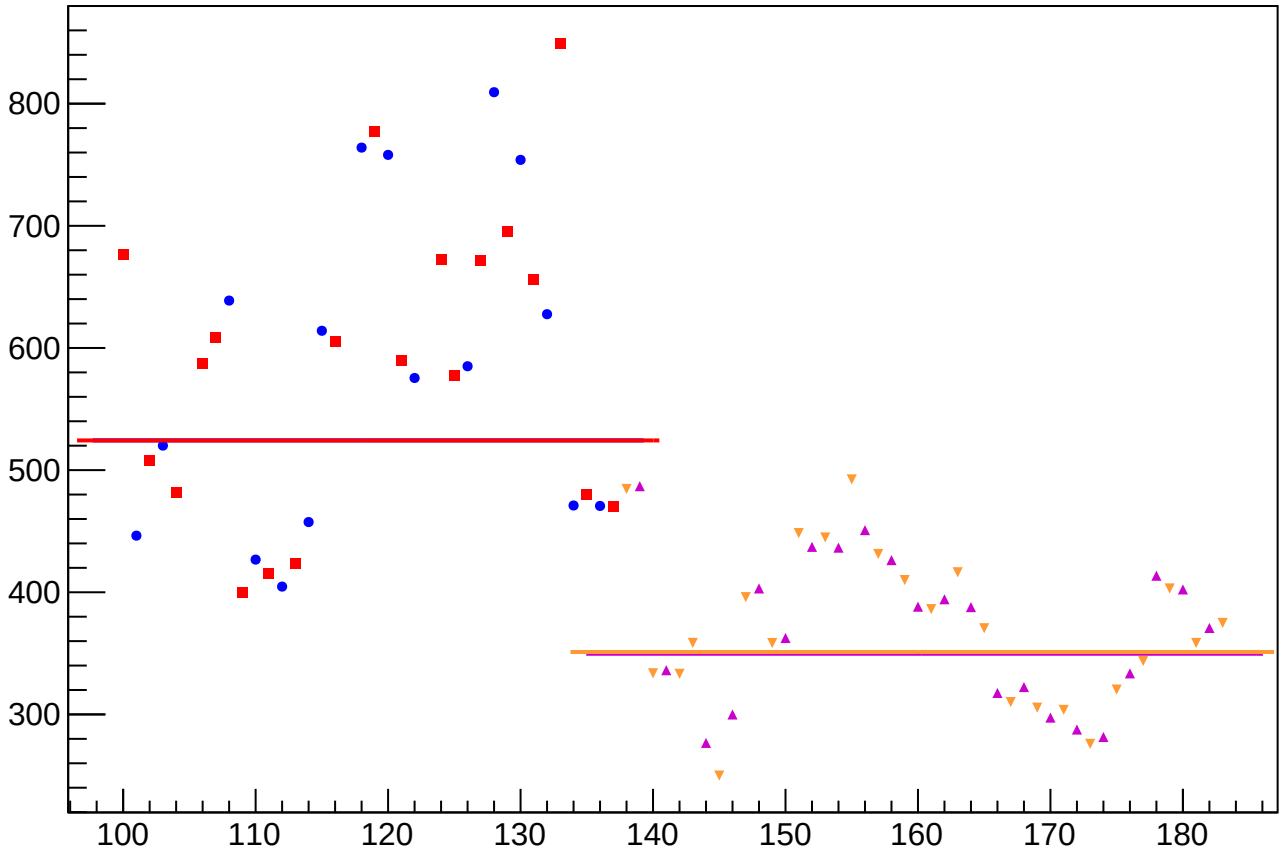
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -83.912+/-83.746 χ^2/NDF:20.2/21

+ sign -394.464+/-75.640 χ^2/NDF: 80.8/39

All: -267.859+/-53.985 χ^2/NDF: 120.6/80

- sign -136.419+/-77.072 χ^2/NDF: 34.1/40



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 351.128+/-0.058 χ^2/NDF:1117818.5/23

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

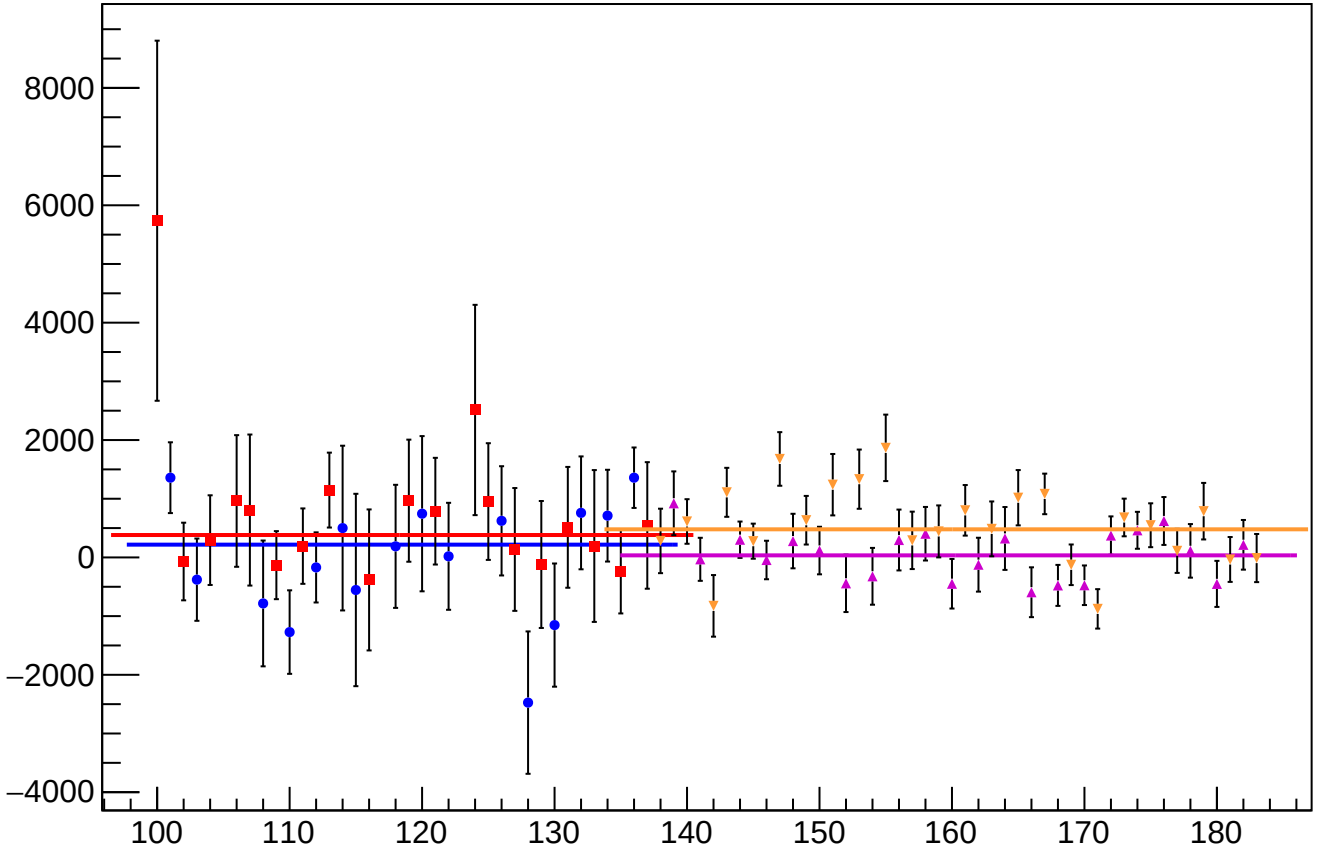
Left In: 349.644+/-0.059 χ^2/NDF:989847.9/21

+ sign 375.753+/-0.053 χ^2/NDF: 3055203.1/39

All: 376.059+/-0.038 χ^2/NDF: 6062637.2/80

- sign 376.376+/-0.054 χ^2/NDF: 3007367.5/40

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 478.923+/-83.757 χ^2/NDF:56.6/23

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

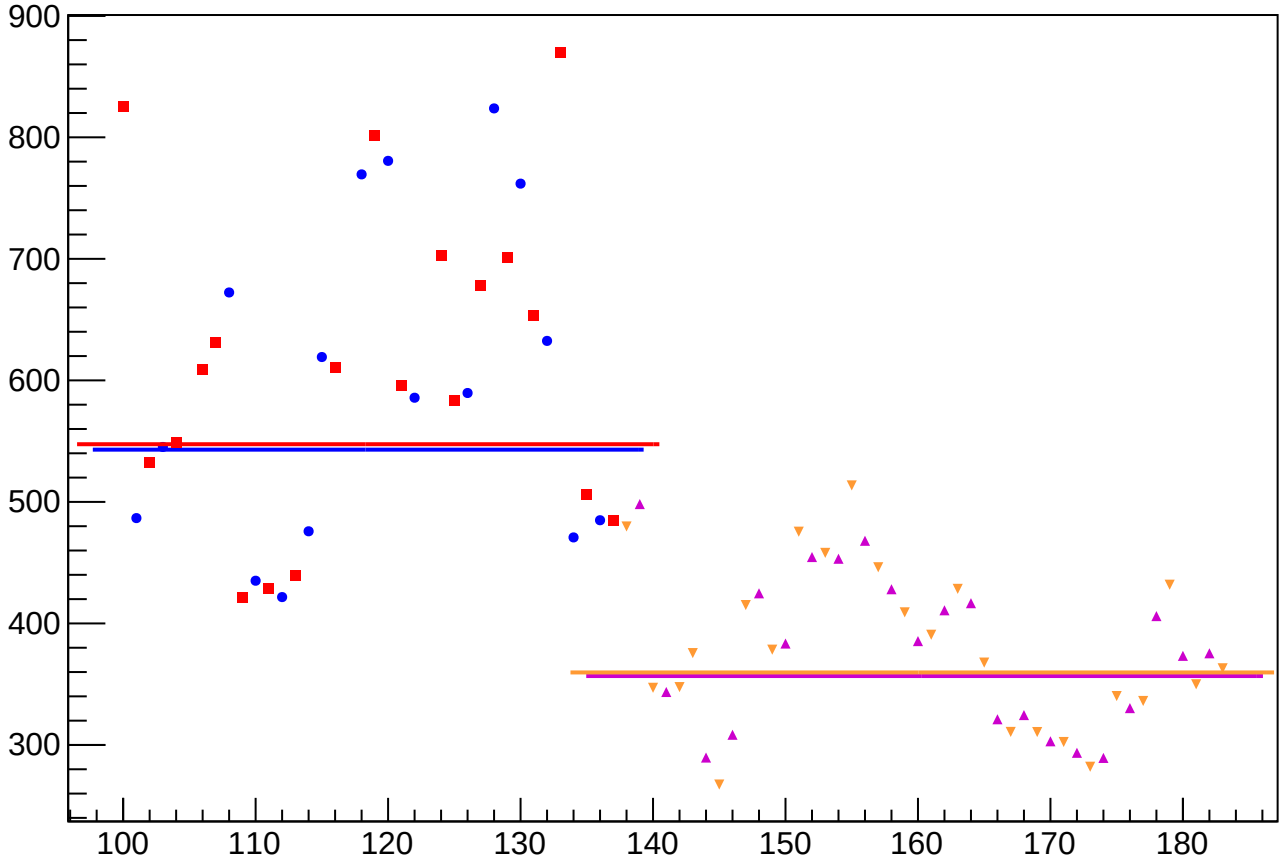
Left In: 35.269+/-85.434 χ^2/NDF:21.3/21

+ sign 442.329+/-77.668 χ^2/NDF: 80.9/39

All: 267.103+/-55.348 χ^2/NDF: 124.9/80

- sign 86.305+/-78.893 χ^2/NDF: 33.7/40

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 359.677+/-0.059 χ^2/NDF:1104468.9/23

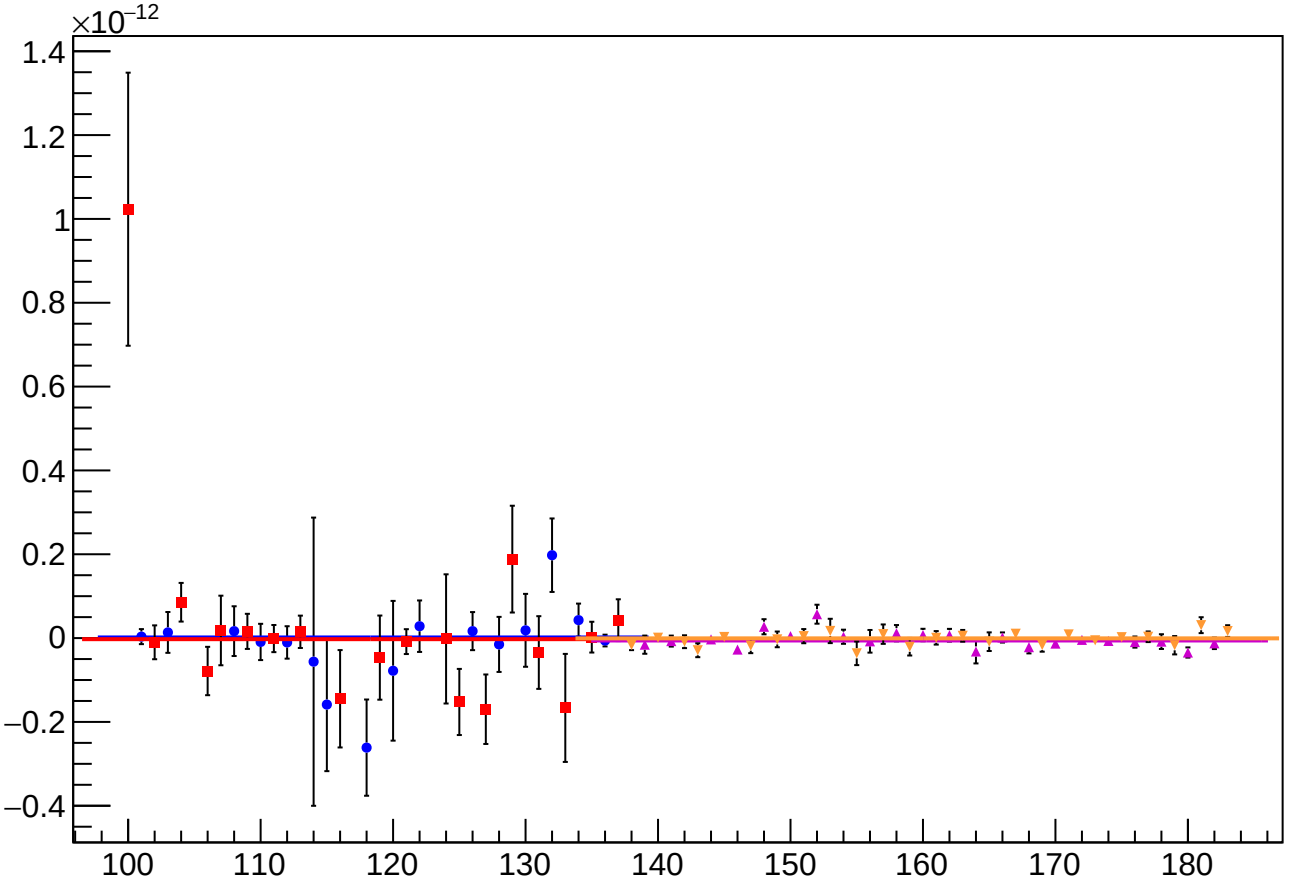
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 356.718+/-0.060 χ^2/NDF:977445.2/21

+ sign 385.363+/-0.055 χ^2/NDF: 3052145.2/39

All: 385.090+/-0.039 χ^2/NDF: 6128092.9/80

- sign 384.808+/-0.056 χ^2/NDF: 3075897.5/40



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/23

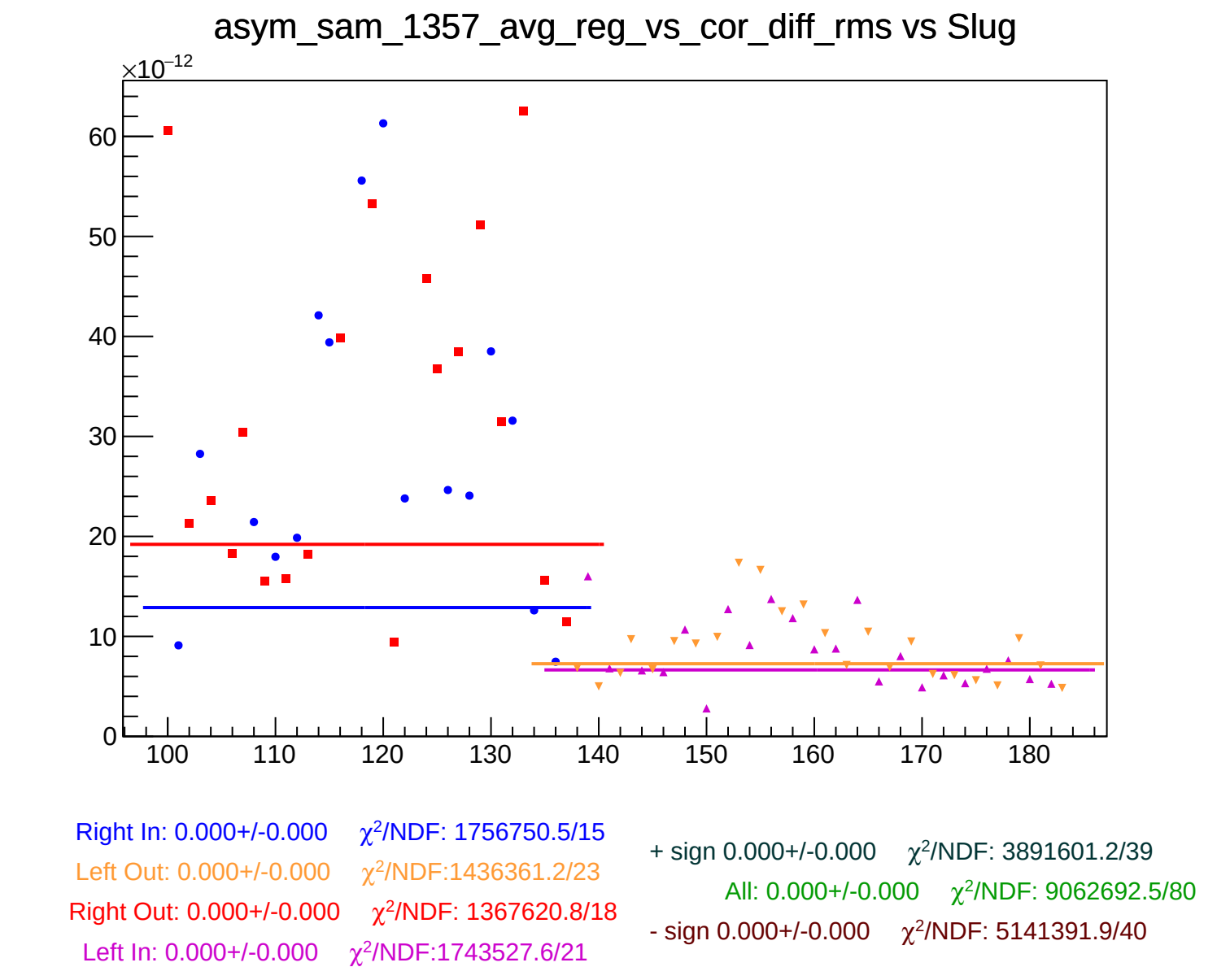
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:27.9/21

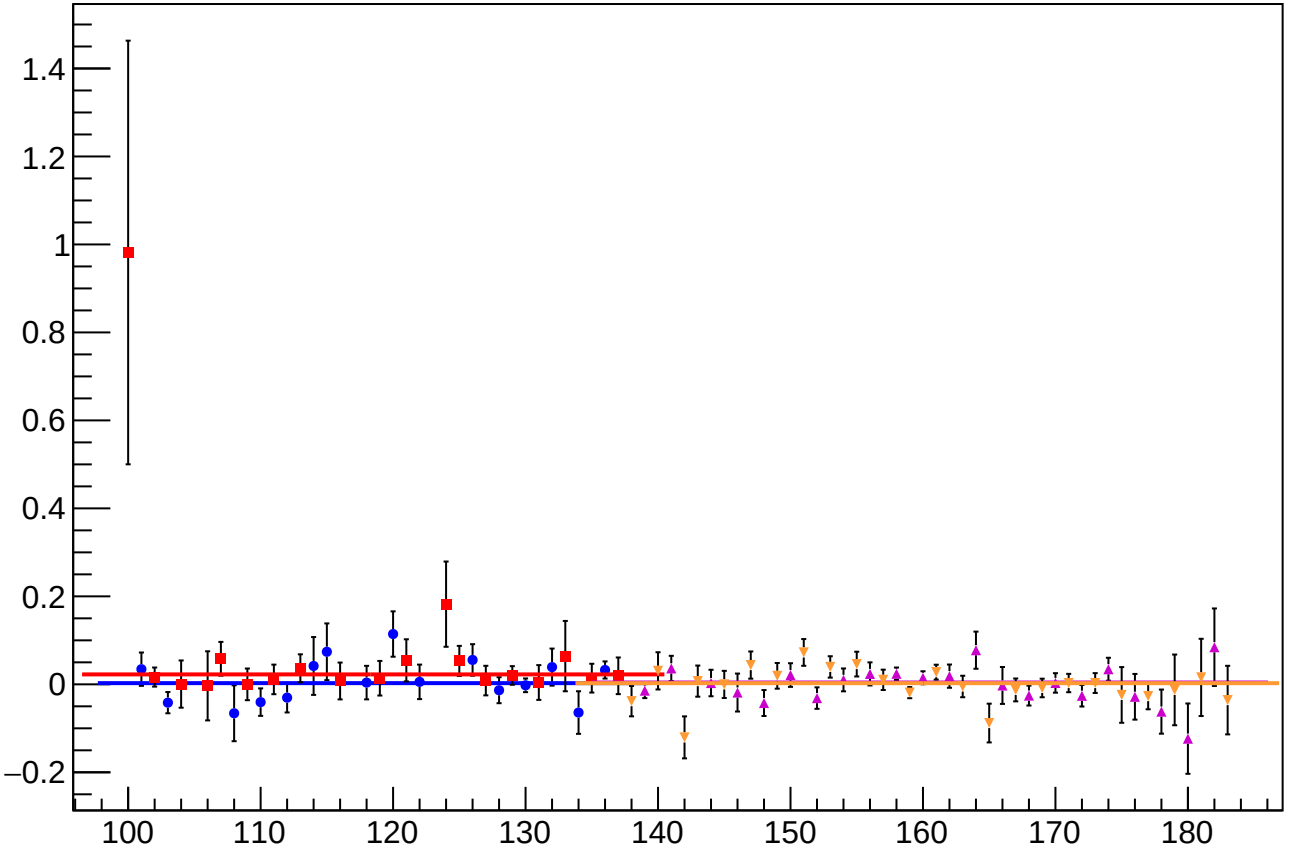
+ sign -0.000+/-0.000 χ^2/NDF: 31.0/39

All: -0.000+/-0.000 χ^2/NDF: 90.7/80

- sign -0.000+/-0.000 χ^2/NDF: 58.1/40


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1436361.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1743527.6/21
+ sign 0.000+/-0.000 χ²/NDF: 3891601.2/39
All: 0.000+/-0.000 χ²/NDF: 9062692.5/80
- sign 0.000+/-0.000 χ²/NDF: 5141391.9/40

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.2/23

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

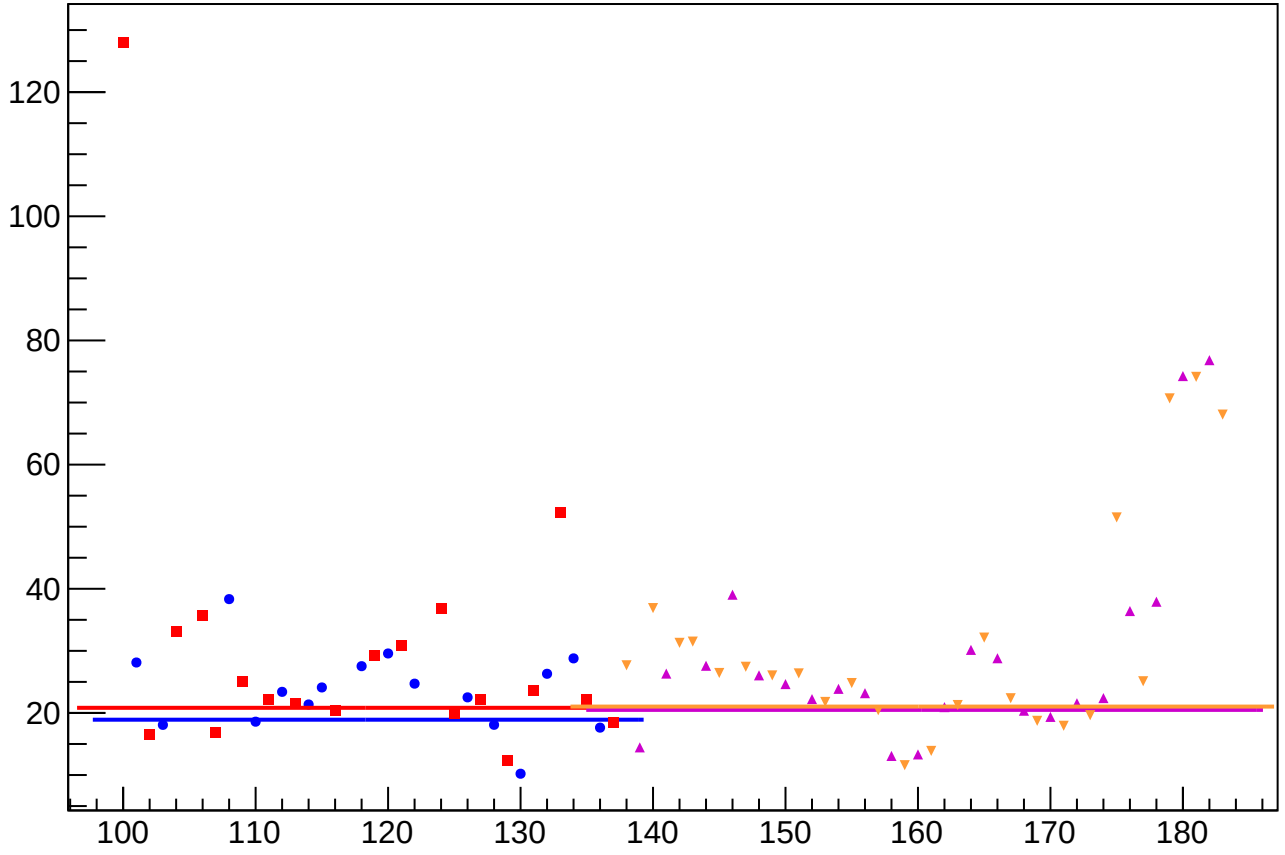
Left In: 0.004+/-0.005 χ^2/NDF:24.3/21

+ sign 0.003+/-0.004 χ^2/NDF: 54.1/39

All: 0.006+/-0.003 χ^2/NDF: 93.7/80

- sign 0.010+/-0.005 χ^2/NDF: 38.4/40

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 21.025+/-0.004 χ^2/NDF:5333005.9/23

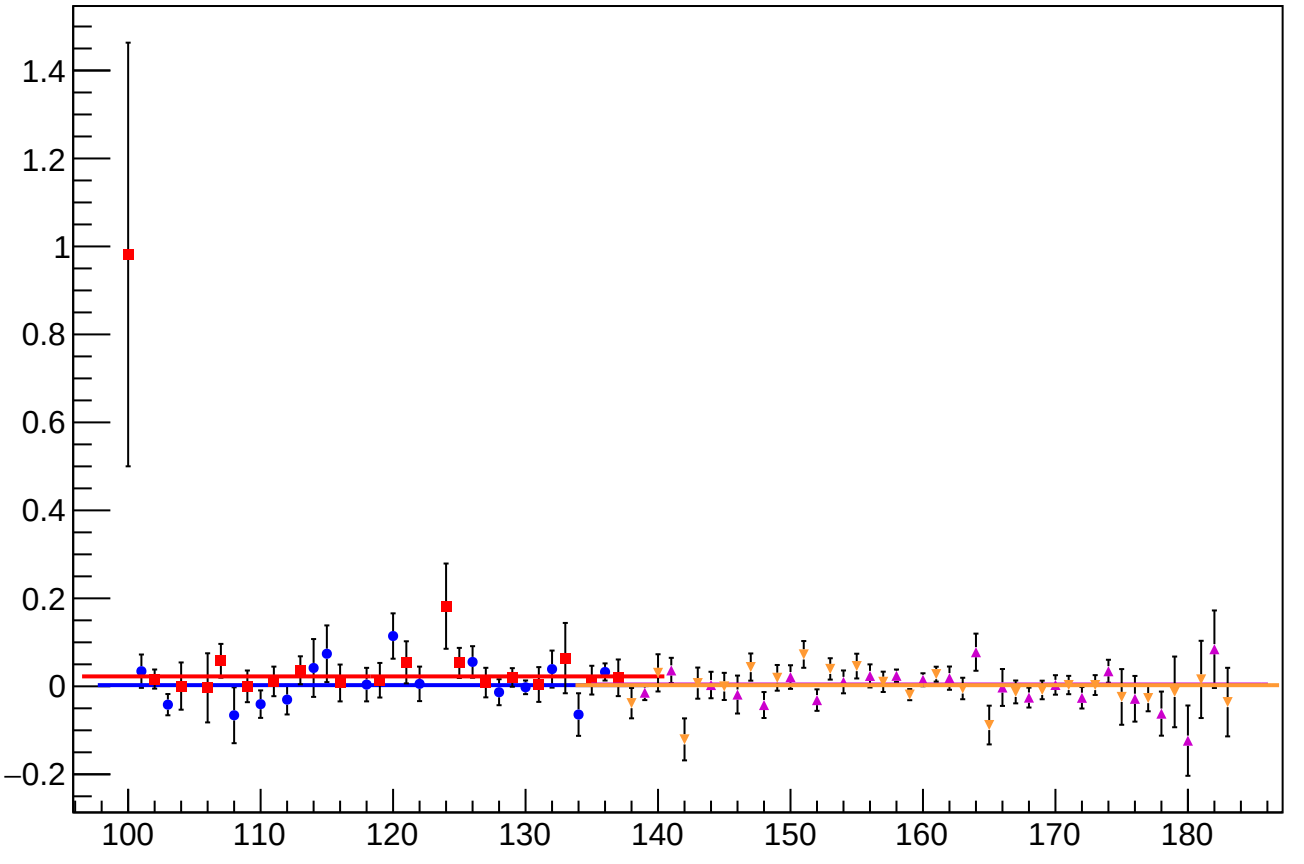
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.492+/-0.004 χ^2/NDF:4373025.4/21

+ sign 20.330+/-0.003 χ^2/NDF: 6821821.8/39

All: 20.457+/-0.002 χ^2/NDF: 12491899.8/80

- sign 20.590+/-0.003 χ^2/NDF: 5666779.1/40



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.2/23

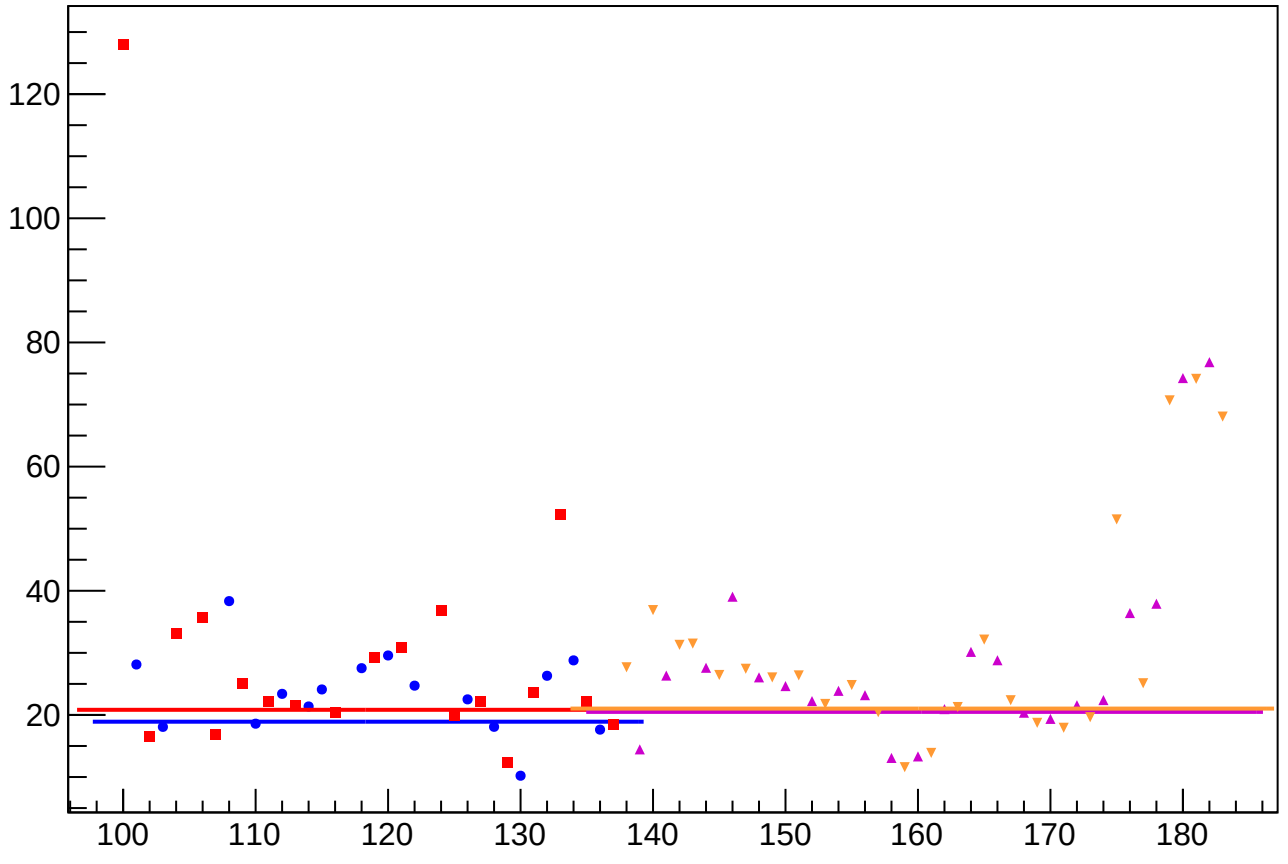
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:24.3/21

+ sign 0.003+/-0.004 χ^2/NDF: 54.1/39

All: 0.006+/-0.003 χ^2/NDF: 93.7/80

- sign 0.010+/-0.005 χ^2/NDF: 38.4/40



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 21.025+/-0.004 χ^2/NDF:5333005.9/23

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

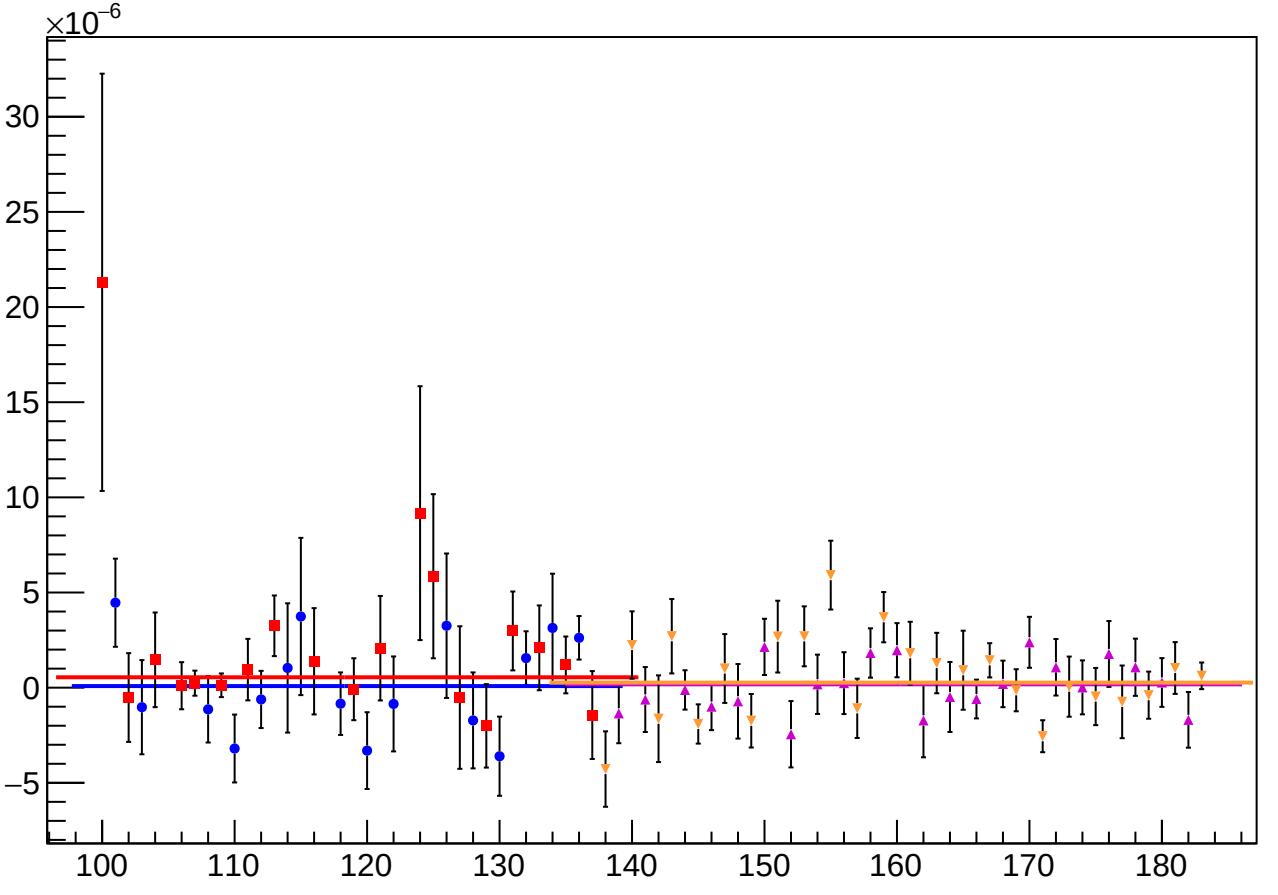
Left In: 20.492+/-0.004 χ^2/NDF:4373025.4/21

+ sign 20.330+/-0.003 χ^2/NDF: 6821821.8/39

All: 20.457+/-0.002 χ^2/NDF: 12491899.8/80

- sign 20.590+/-0.003 χ^2/NDF: 5666779.1/40

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.5/23

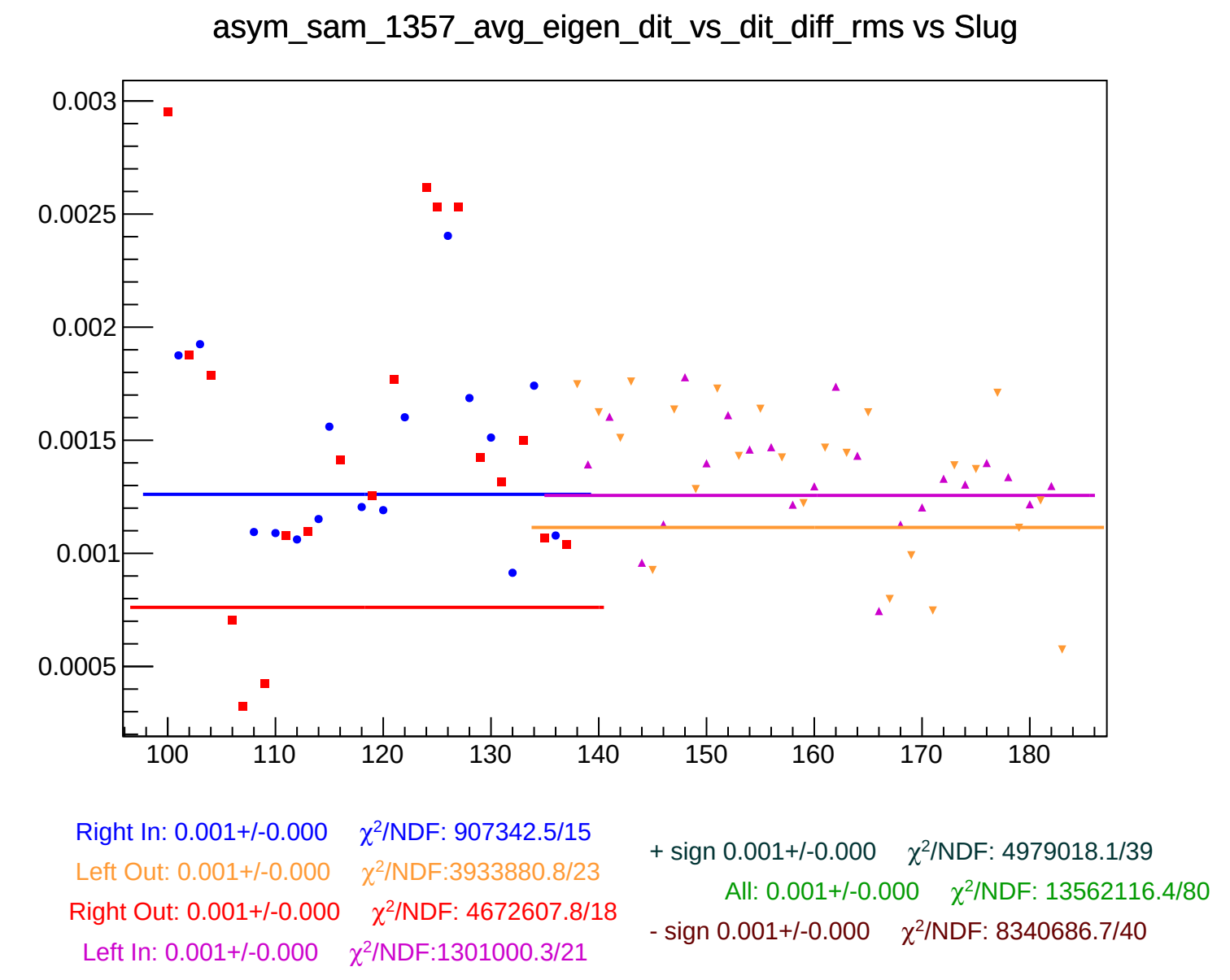
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

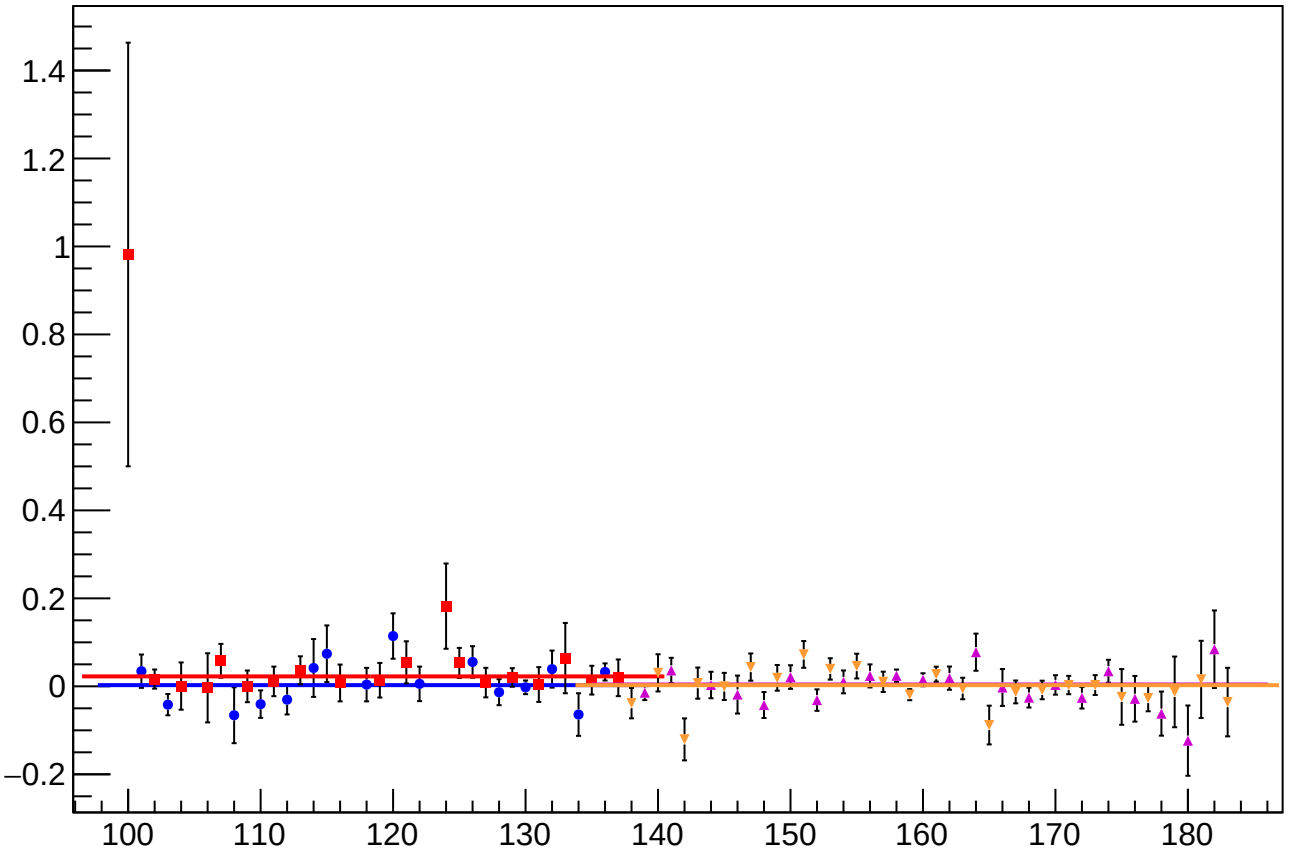
Left In: 0.000+/-0.000 χ^2/NDF:17.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 76.2/39

All: 0.000+/-0.000 χ^2/NDF: 109.8/80

- sign 0.000+/-0.000 χ^2/NDF: 33.5/40


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:3933880.8/23
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:1301000.3/21
+ sign 0.001+/-0.000 χ²/NDF: 4979018.1/39
All: 0.001+/-0.000 χ²/NDF: 13562116.4/80
- sign 0.001+/-0.000 χ²/NDF: 8340686.7/40



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.2/23

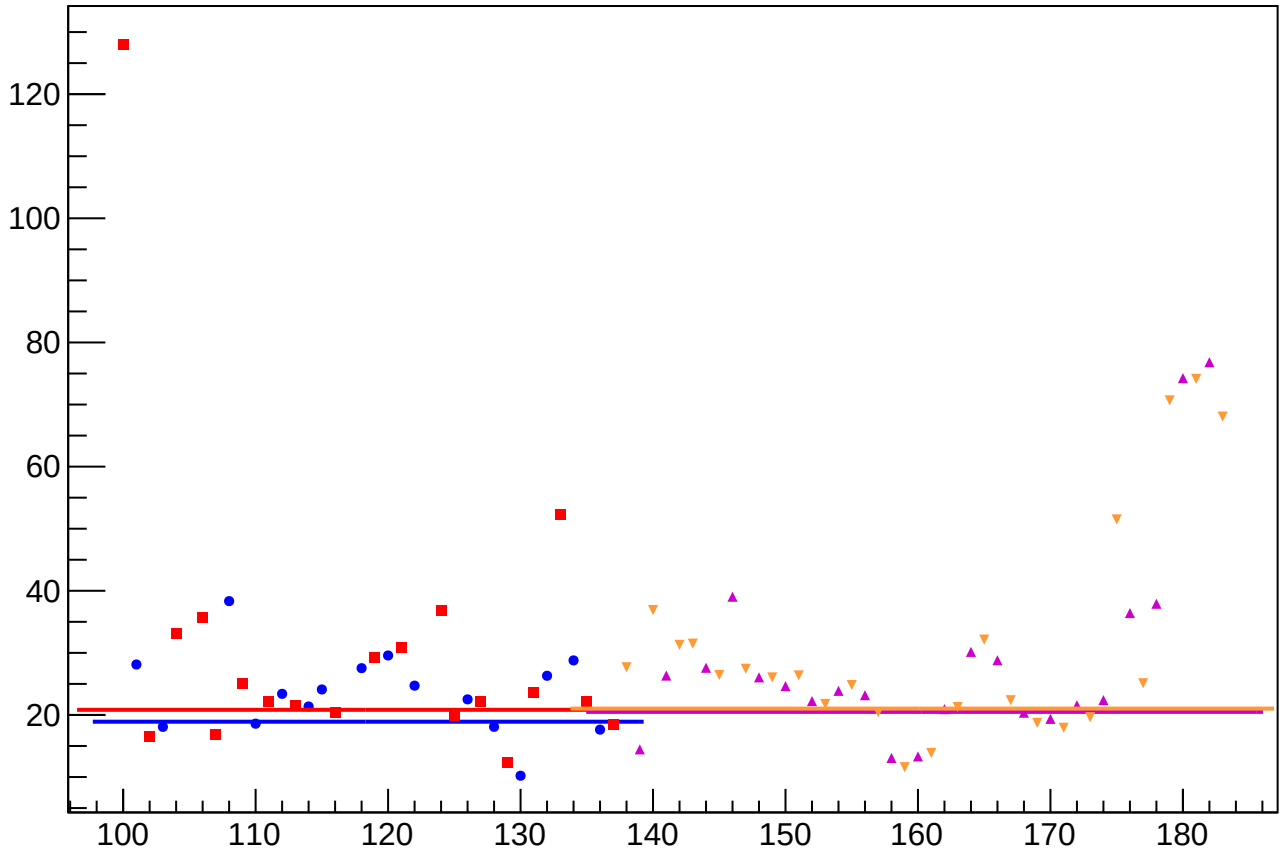
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:24.3/21

+ sign 0.003+/-0.004 χ^2/NDF: 54.1/39

All: 0.006+/-0.003 χ^2/NDF: 93.7/80

- sign 0.010+/-0.005 χ^2/NDF: 38.4/40



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 21.025+/-0.004 χ^2/NDF:5333143.5/23

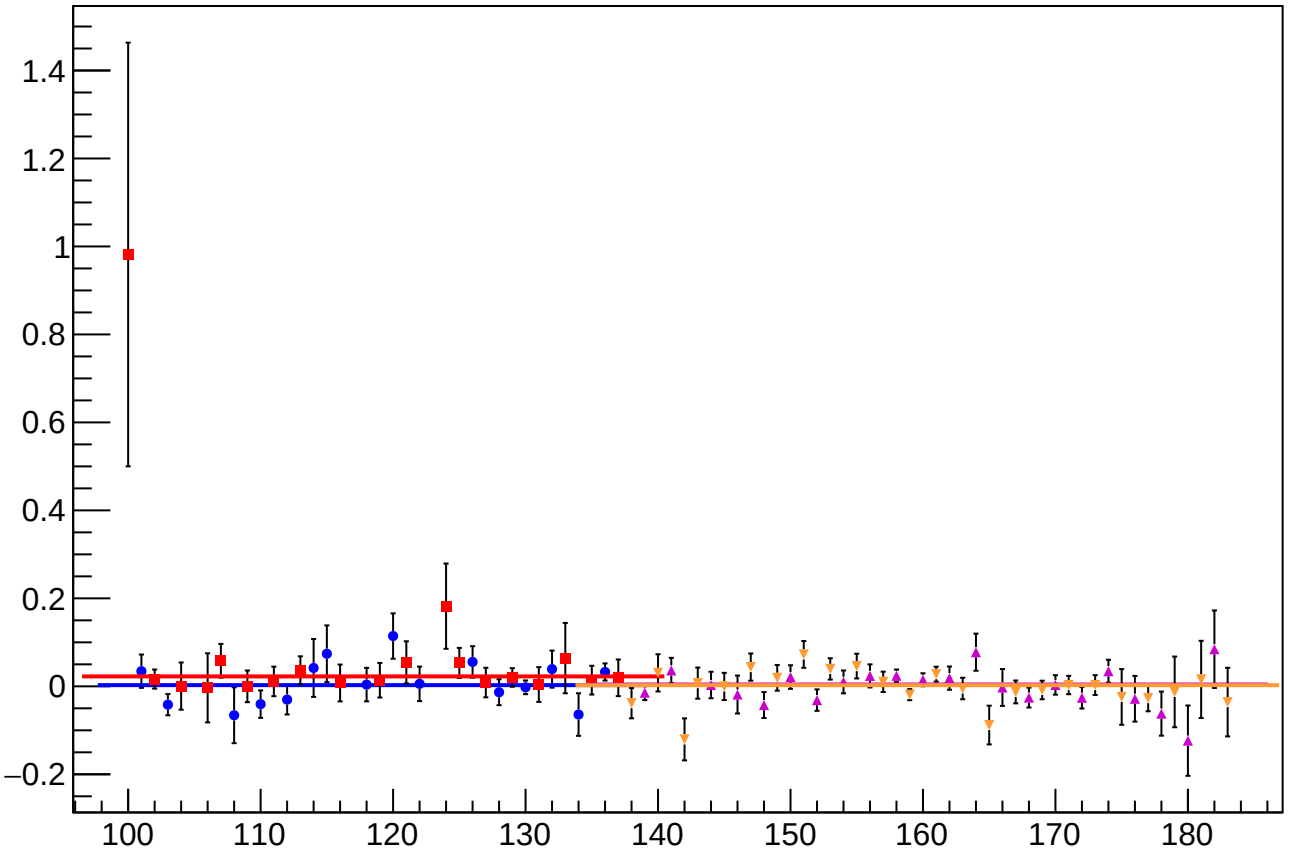
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.492+/-0.004 χ^2/NDF:4373032.0/21

+ sign 20.331+/-0.003 χ^2/NDF: 6821807.5/39

All: 20.458+/-0.002 χ^2/NDF: 12491889.2/80

- sign 20.590+/-0.003 χ^2/NDF: 5666781.8/40



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.2/23

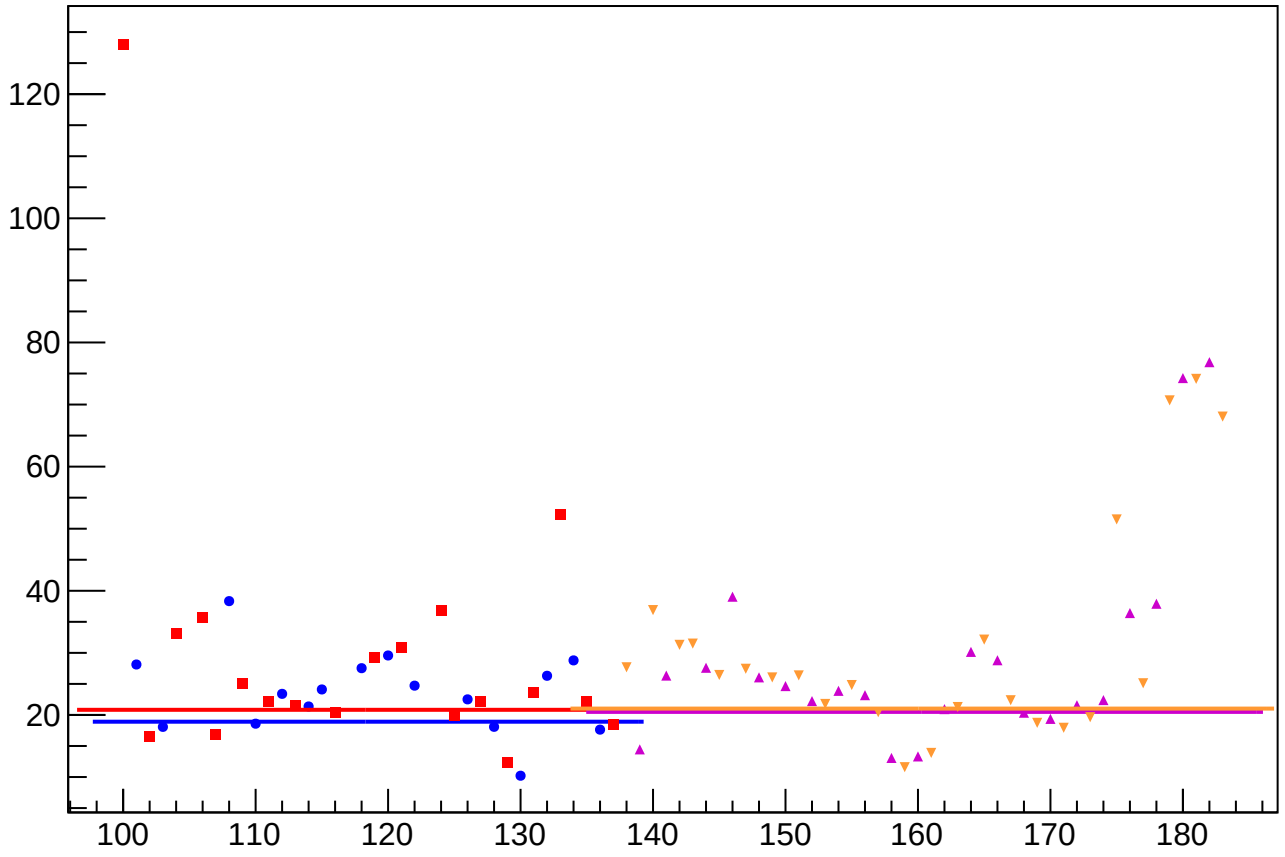
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:24.3/21

+ sign 0.003+/-0.004 χ^2/NDF: 54.1/39

All: 0.006+/-0.003 χ^2/NDF: 93.7/80

- sign 0.010+/-0.005 χ^2/NDF: 38.4/40



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 21.025+/-0.004 χ^2/NDF:5333143.5/23

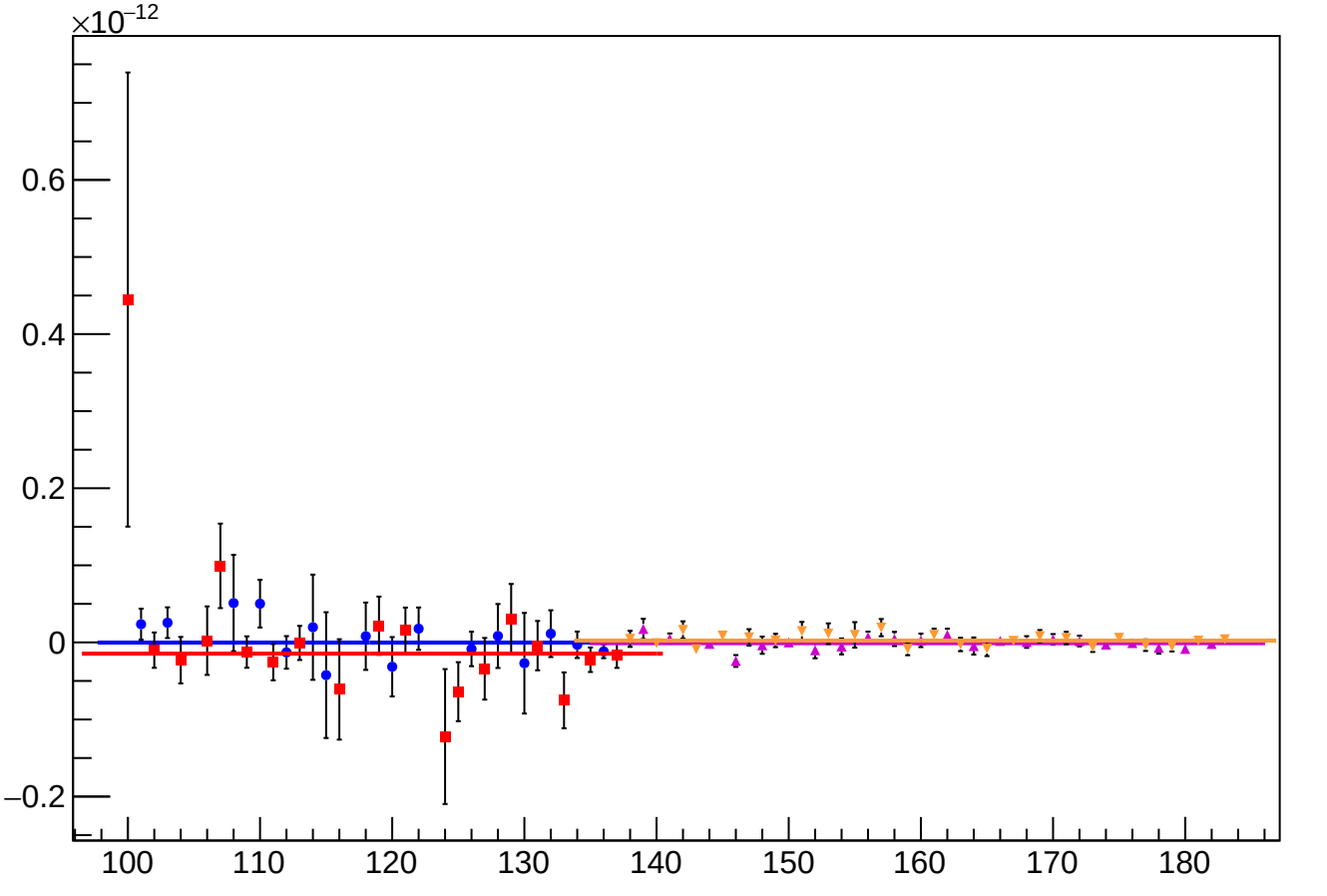
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.492+/-0.004 χ^2/NDF:4373032.0/21

+ sign 20.331+/-0.003 χ^2/NDF: 6821807.5/39

All: 20.458+/-0.002 χ^2/NDF: 12491889.2/80

- sign 20.590+/-0.003 χ^2/NDF: 5666781.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/23

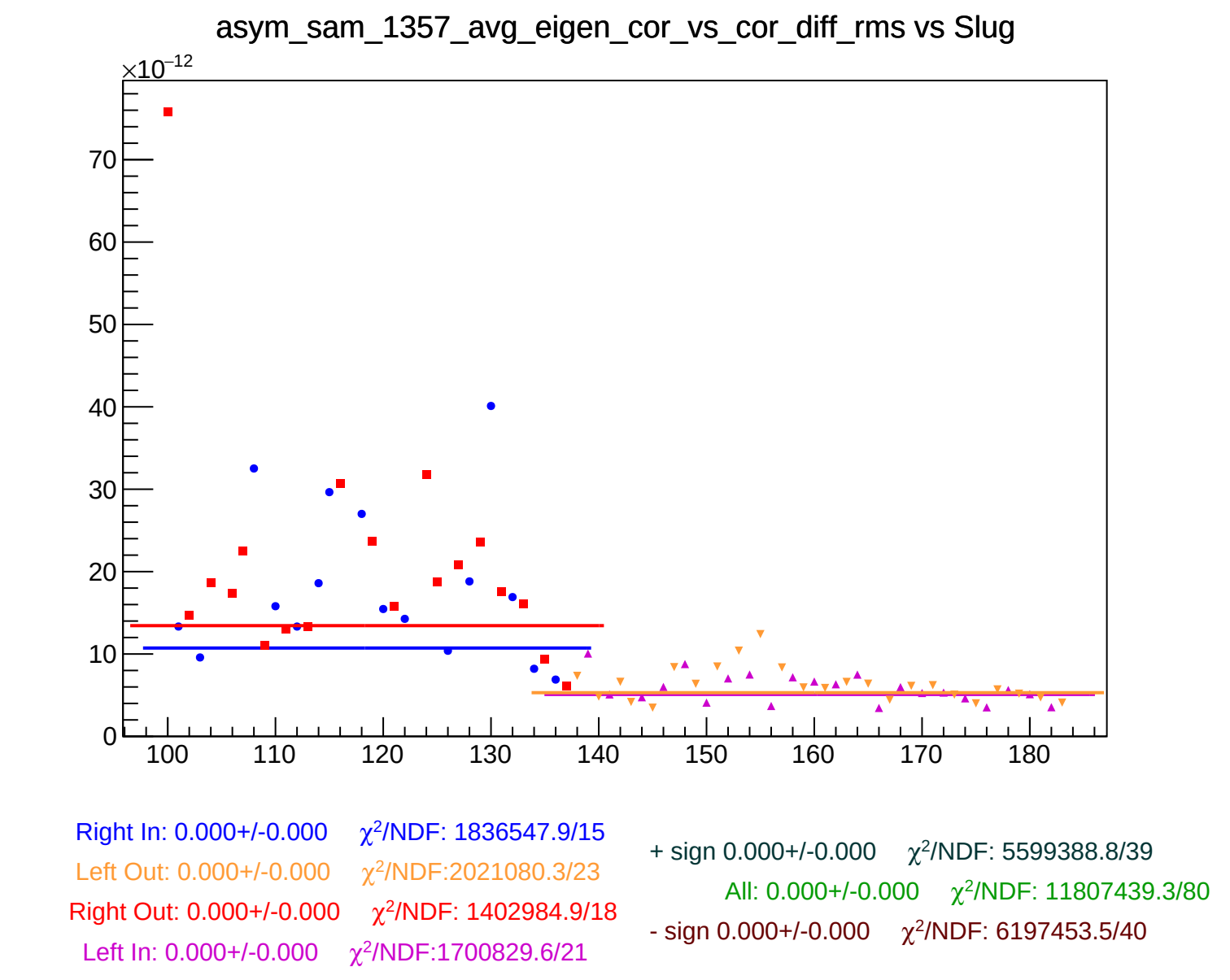
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/21

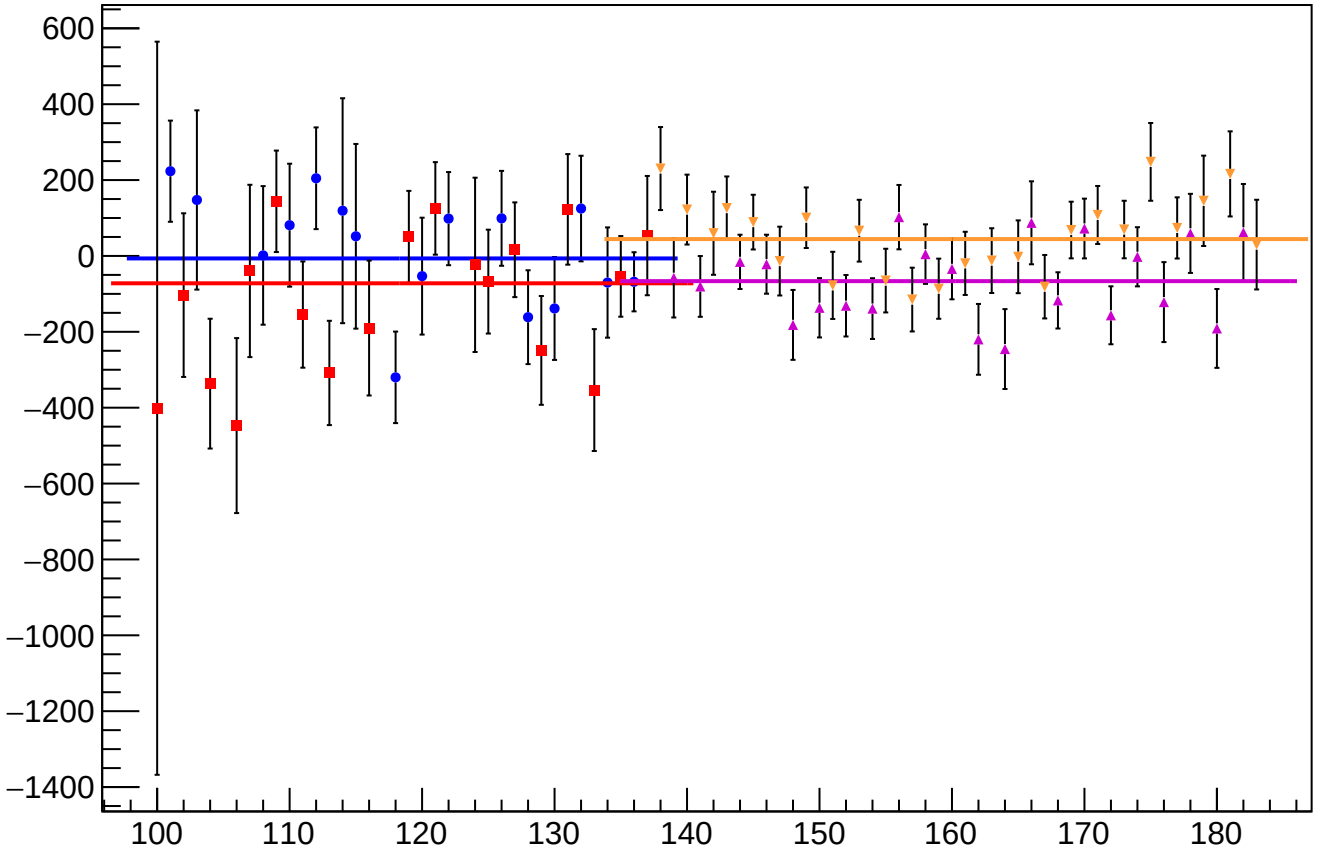
+ sign 0.000+/-0.000 χ^2/NDF: 29.9/39

All: 0.000+/-0.000 χ^2/NDF: 74.6/80

- sign -0.000+/-0.000 χ^2/NDF: 41.3/40


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2021080.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1700829.6/21
+ sign 0.000+/-0.000 χ²/NDF: 5599388.8/39
All: 0.000+/-0.000 χ²/NDF: 11807439.3/80
- sign 0.000+/-0.000 χ²/NDF: 6197453.5/40

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.448+/-17.821 χ^2/NDF:27.4/23

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

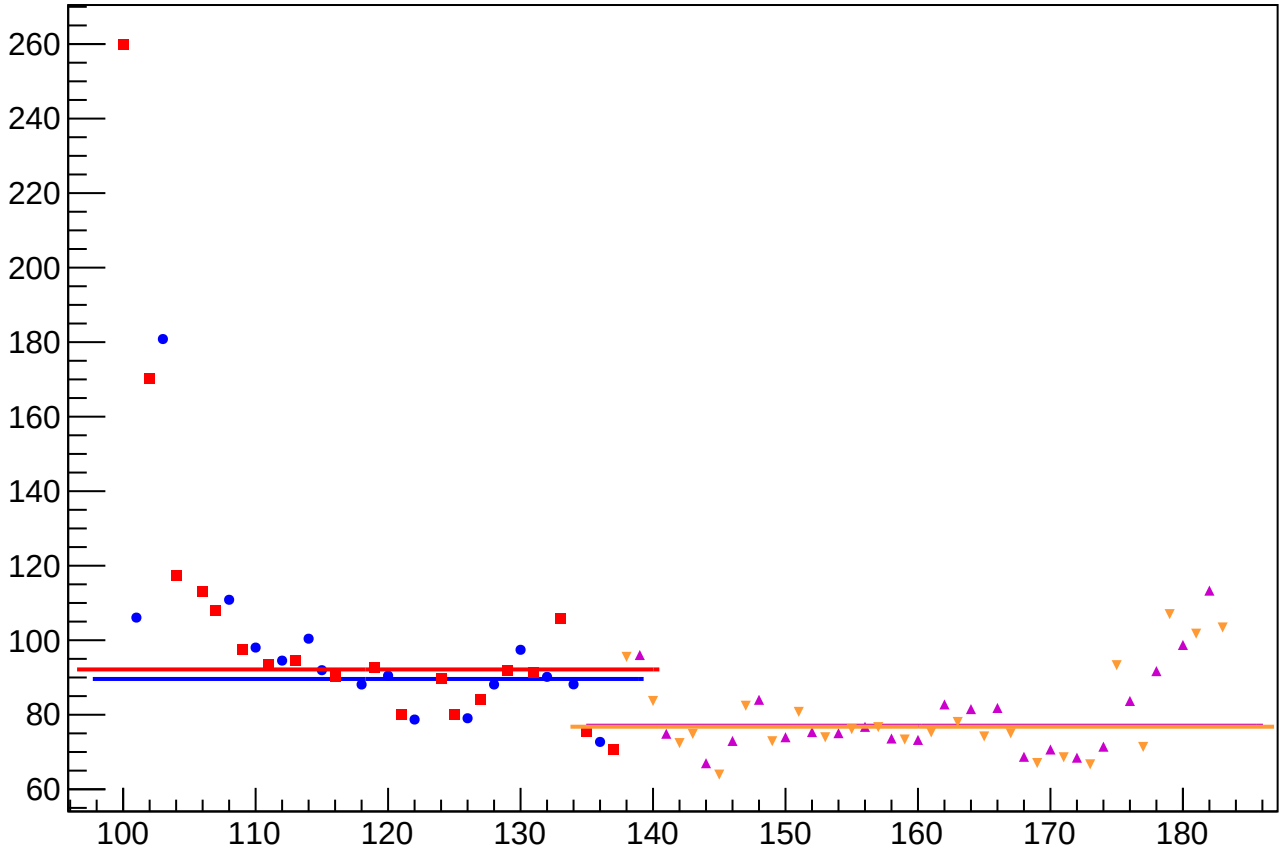
Left In: -66.418+/-18.384 χ^2/NDF:27.0/21

+ sign 33.599+/-15.812 χ^2/NDF: 48.1/39

All: -15.605+/-11.337 χ^2/NDF: 117.9/80

- sign -67.658+/-16.264 χ^2/NDF: 49.9/40

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.791+/-0.013 χ^2/NDF:647007.4/23

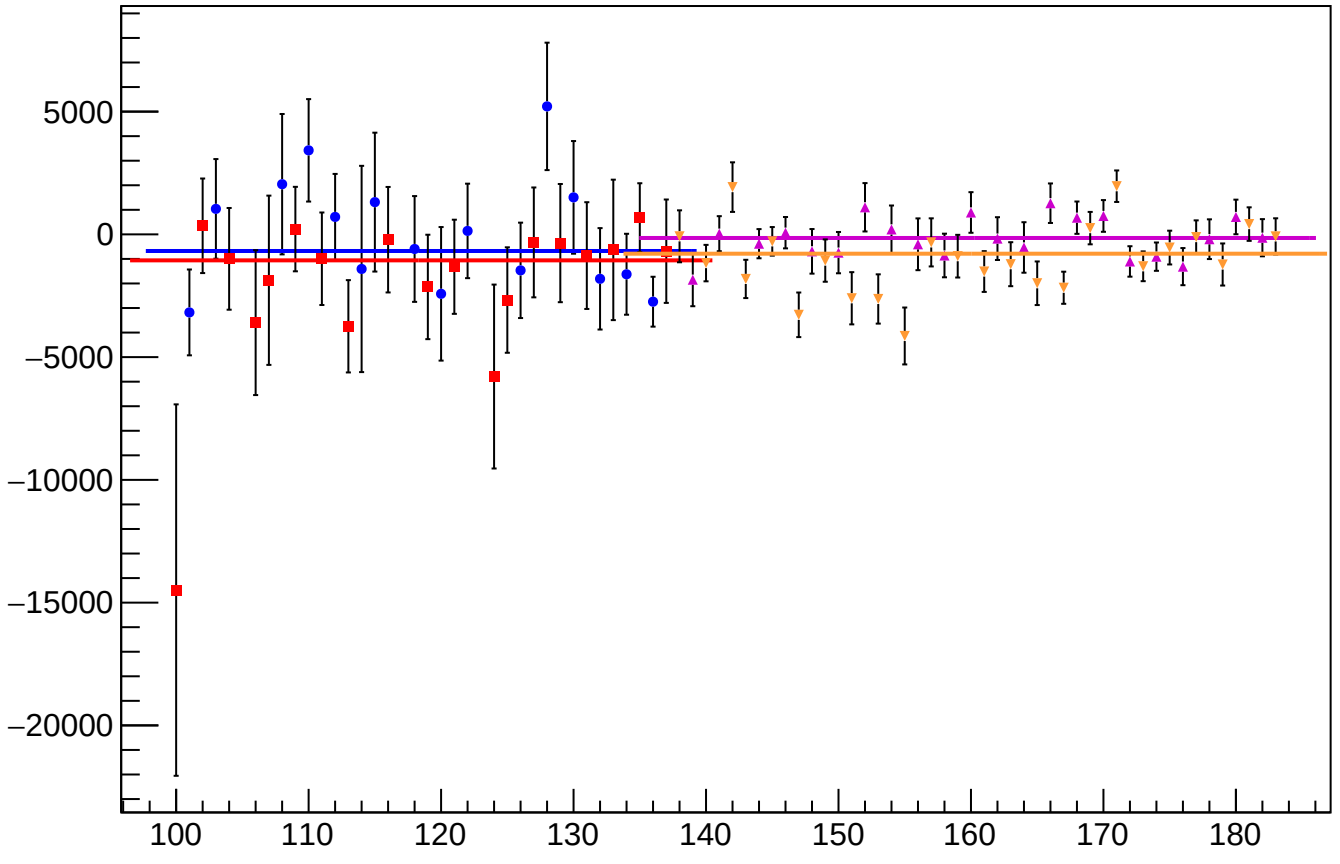
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 77.058+/-0.013 χ^2/NDF:521860.2/21

+ sign 79.516+/-0.011 χ^2/NDF: 1365288.2/39

All: 79.917+/-0.008 χ^2/NDF: 2725297.1/80

- sign 80.341+/-0.012 χ^2/NDF: 1357364.8/40



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -787.730+/-159.732 χ^2/NDF:67.2/23

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

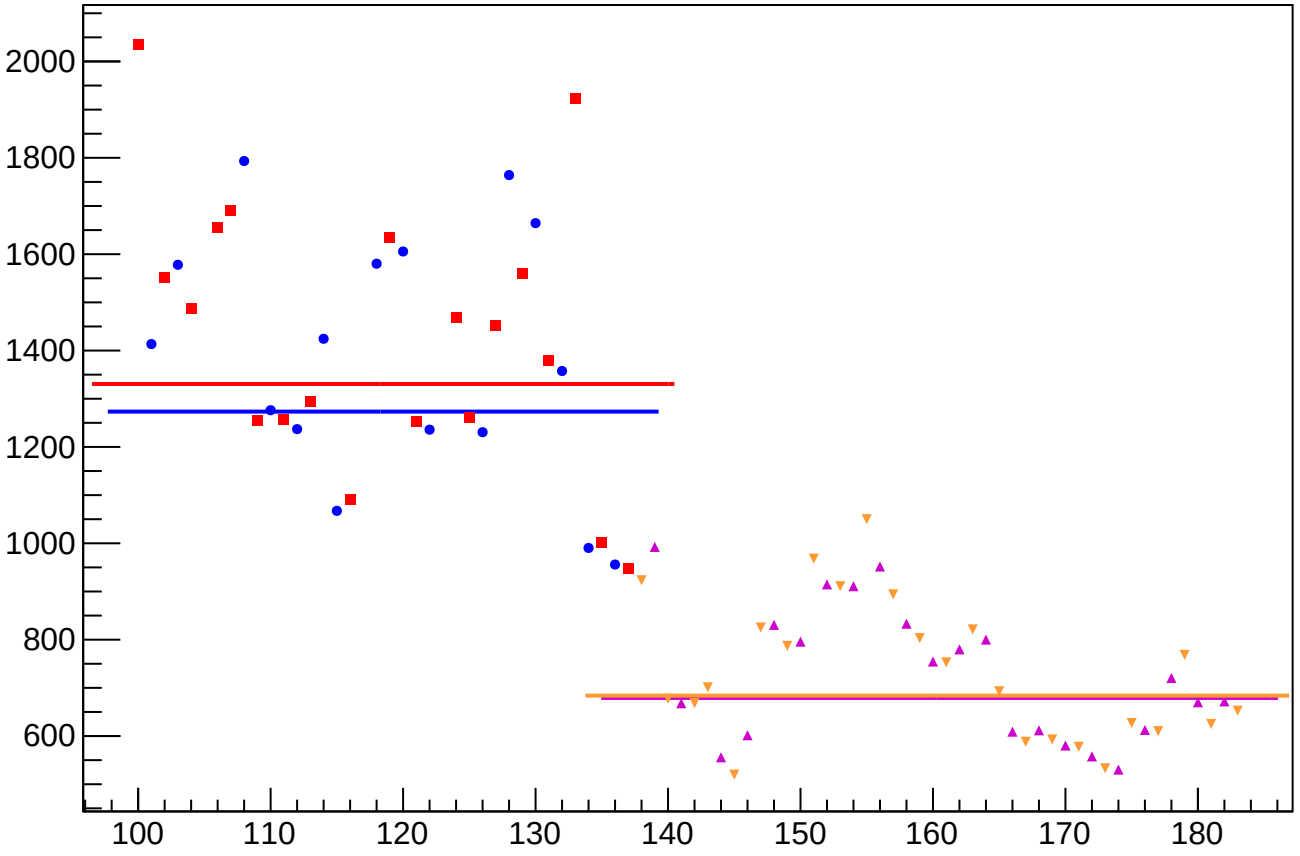
Left In: -147.210+/-163.103 χ^2/NDF:22.4/21

+ sign -776.992+/-151.761 χ^2/NDF: 87.5/39

All: -512.147+/-108.422 χ^2/NDF: 130.6/80

- sign -236.048+/-154.952 χ^2/NDF: 36.9/40

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 683.959+/-0.113 χ^2/NDF:1309762.9/23

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

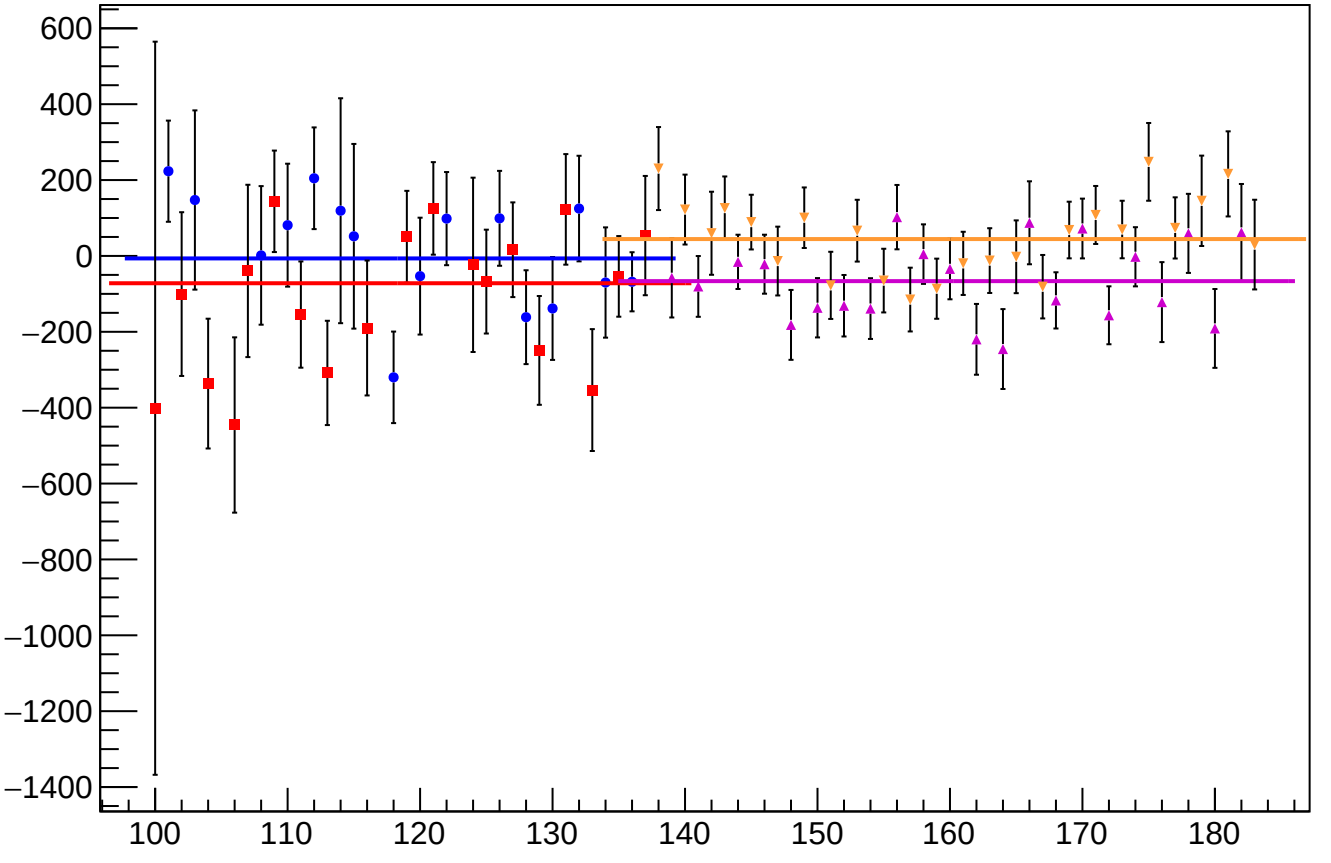
Left In: 679.060+/-0.115 χ^2/NDF:1184673.4/21

\+ sign 741.315+/-0.107 χ^2/NDF: 4557028.8/39

All: 741.927+/-0.077 χ^2/NDF: 9323573.3/80

\- sign 742.566+/-0.110 χ^2/NDF: 4766477.9/40

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.453+/-17.821 χ^2/NDF:27.4/23

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

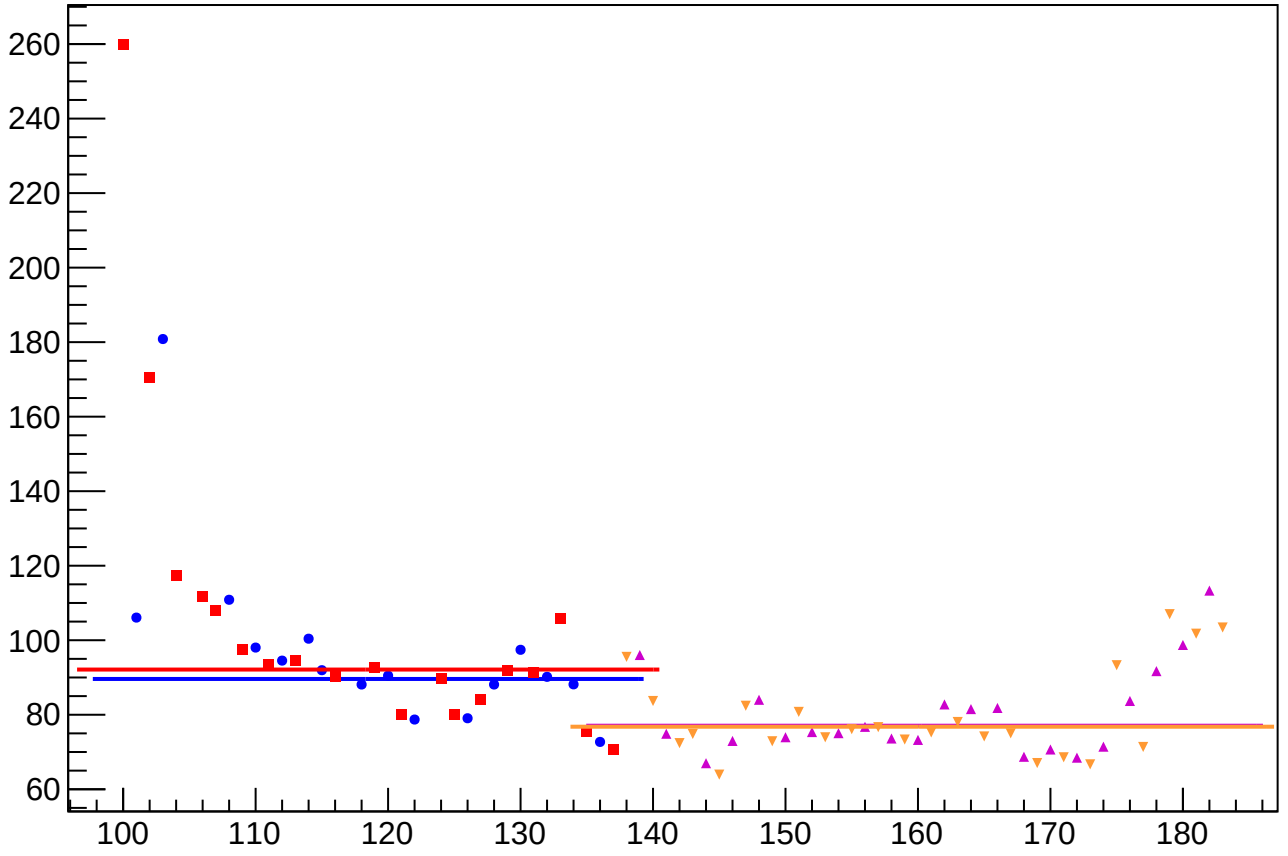
Left In: -66.418+/-18.384 χ^2/NDF:27.0/21

+ sign 33.601+/-15.812 χ^2/NDF: 48.1/39

All: -15.588+/-11.337 χ^2/NDF: 117.8/80

- sign -67.627+/-16.264 χ^2/NDF: 49.8/40

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.791+/-0.013 χ^2/NDF:647007.4/23

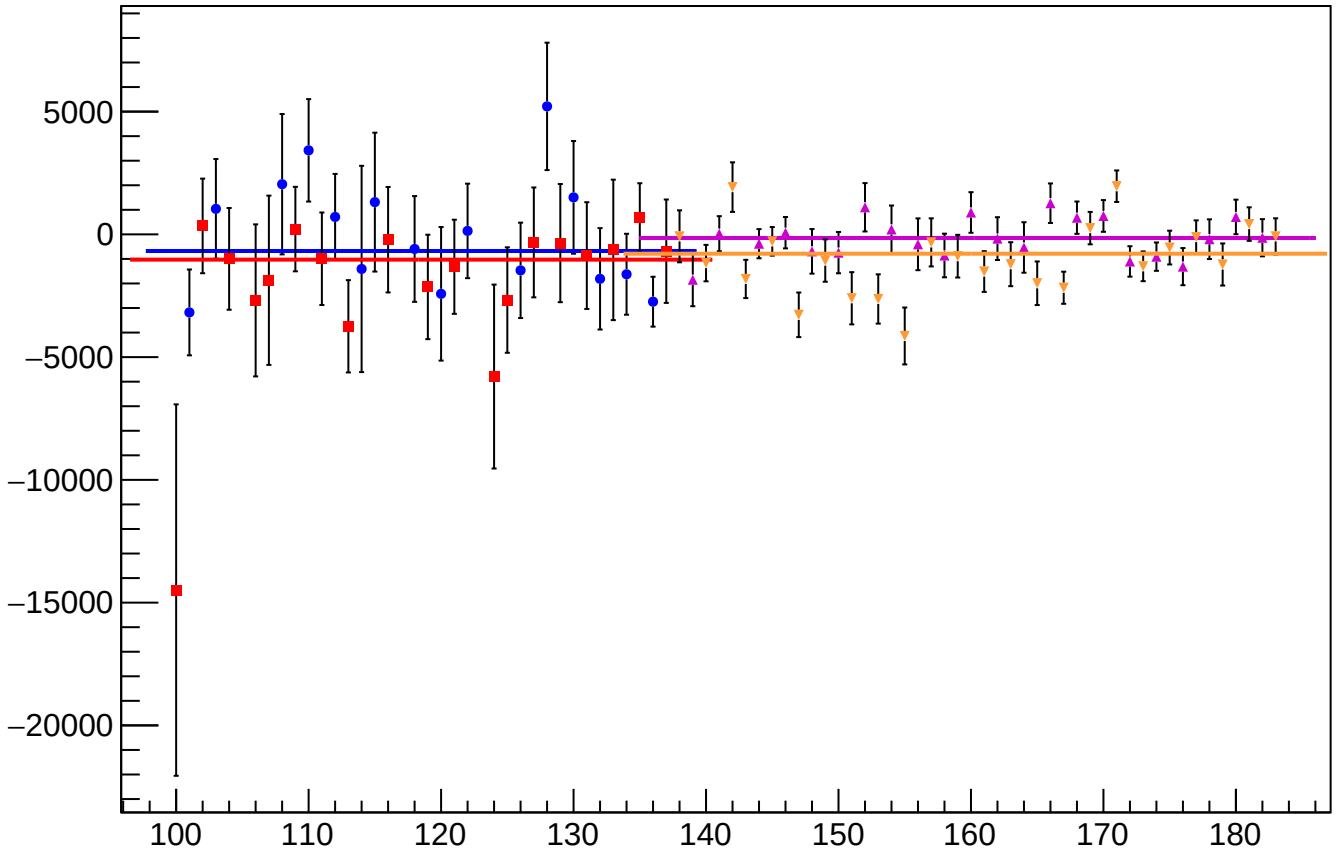
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 77.058+/-0.013 χ^2/NDF:521860.2/21

+ sign 79.516+/-0.011 χ^2/NDF: 1365291.7/39

All: 79.913+/-0.008 χ^2/NDF: 2722229.6/80

- sign 80.334+/-0.012 χ^2/NDF: 1354339.7/40



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -787.724+/-159.732 χ^2/NDF:67.2/23

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

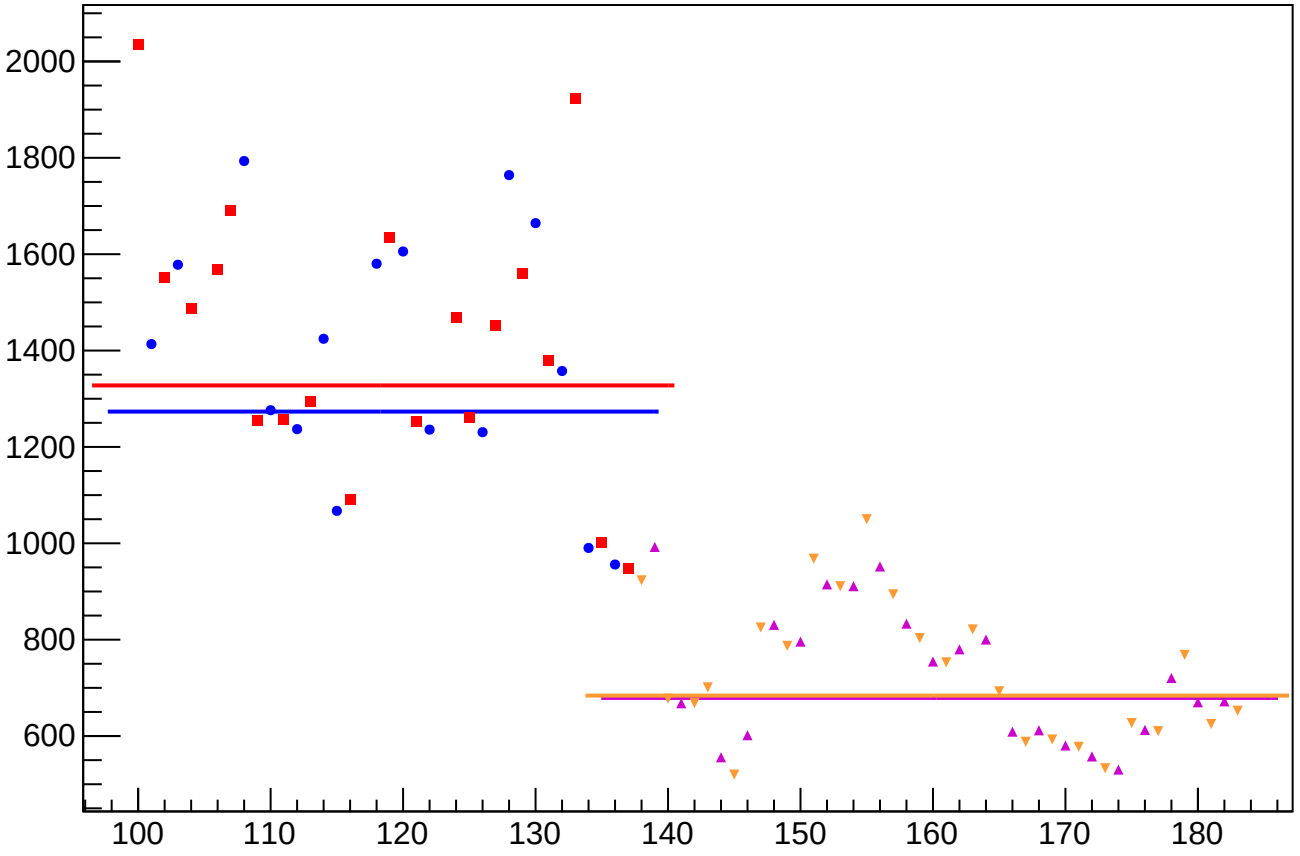
Left In: -147.211+/-163.103 χ^2/NDF:22.4/21

+ sign -776.983+/-151.761 χ^2/NDF: 87.5/39

All: -510.676+/-108.429 χ^2/NDF: 130.0/80

- sign -232.979+/-154.972 χ^2/NDF: 36.2/40

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 683.959+/-0.113 χ^2/NDF:1309765.9/23

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

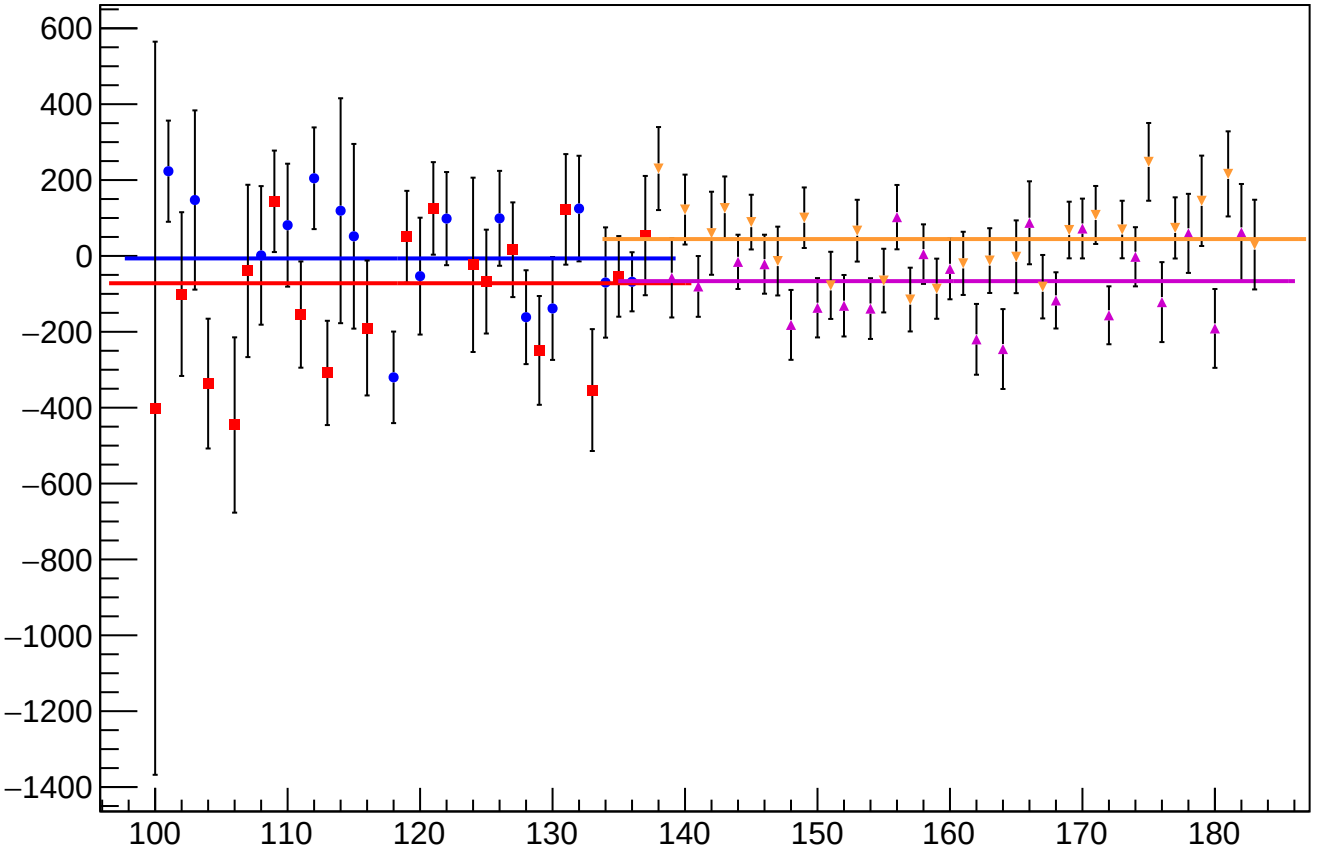
Left In: 679.060+/-0.115 χ^2/NDF:1184671.5/21

\+ sign 741.314+/-0.107 χ^2/NDF: 4557073.4/39

All: 741.708+/-0.077 χ^2/NDF: 9275087.6/80

\- sign 742.119+/-0.110 χ^2/NDF: 4717986.7/40

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 44.453+/-17.821 χ^2/NDF:27.4/23

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

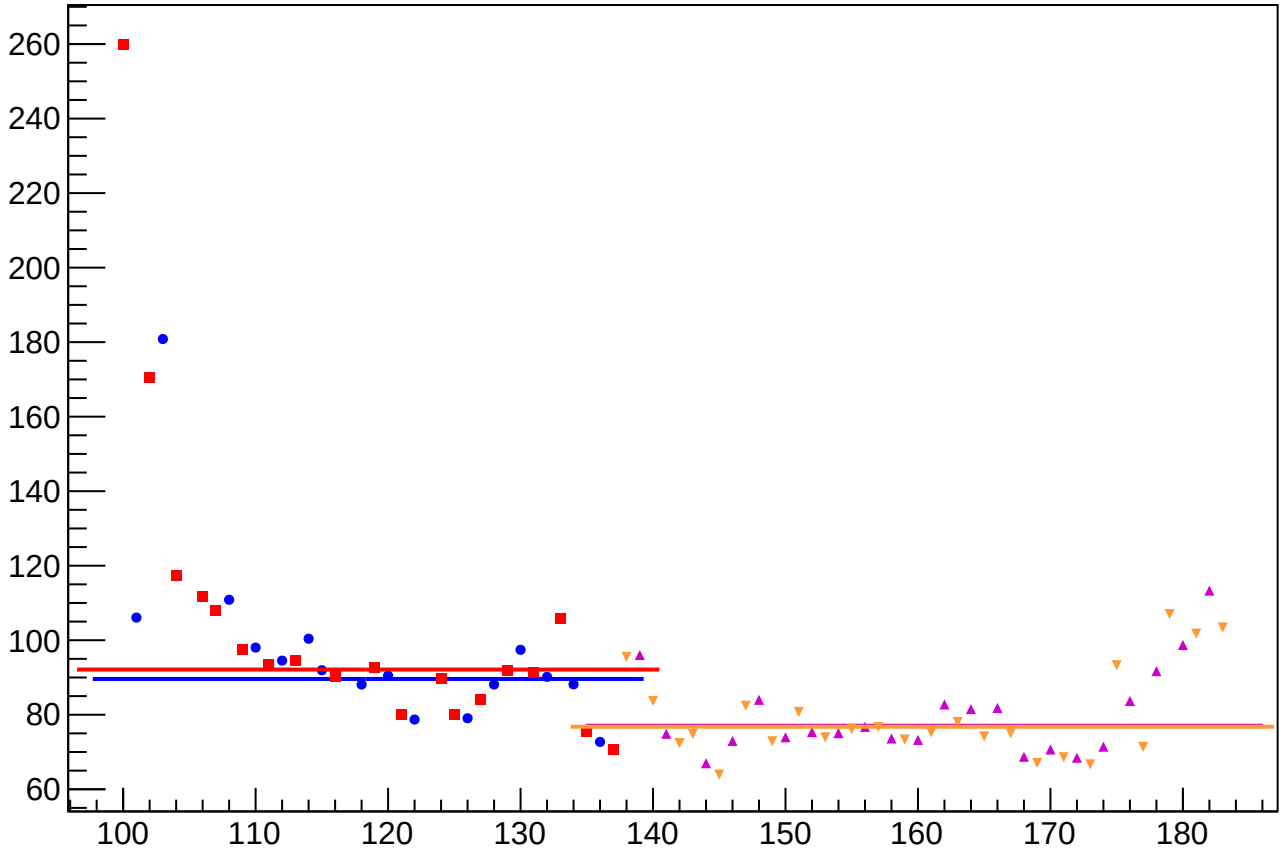
Left In: -66.418+/-18.384 χ^2/NDF:27.0/21

+ sign 33.601+/-15.812 χ^2/NDF: 48.1/39

All: -15.588+/-11.337 χ^2/NDF: 117.8/80

- sign -67.627+/-16.264 χ^2/NDF: 49.8/40

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.791+/-0.013 χ^2/NDF:647007.4/23

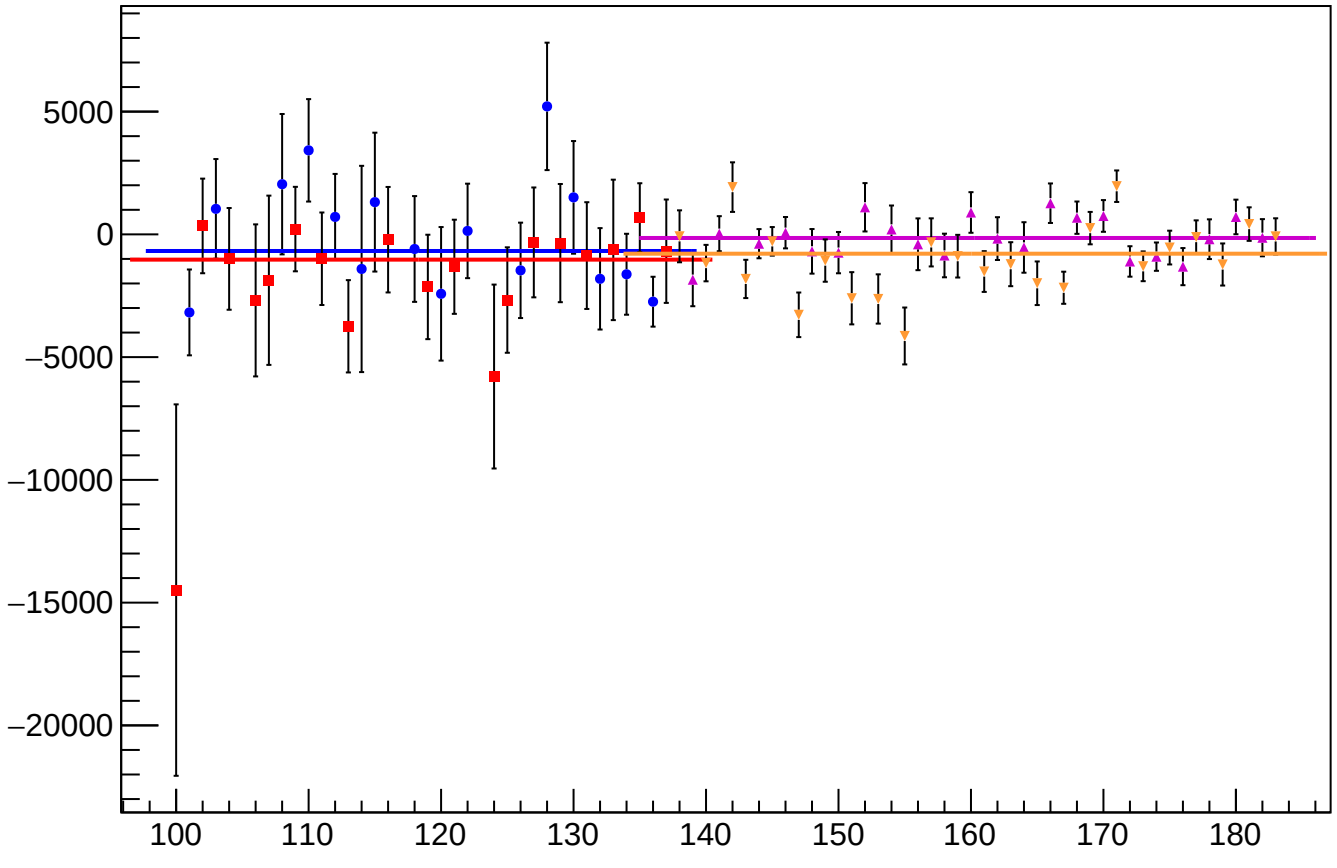
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 77.058+/-0.013 χ^2/NDF:521860.2/21

+ sign 79.516+/-0.011 χ^2/NDF: 1365291.7/39

All: 79.913+/-0.008 χ^2/NDF: 2722229.6/80

- sign 80.334+/-0.012 χ^2/NDF: 1354339.7/40



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -787.724+/-159.732 χ^2/NDF:67.2/23

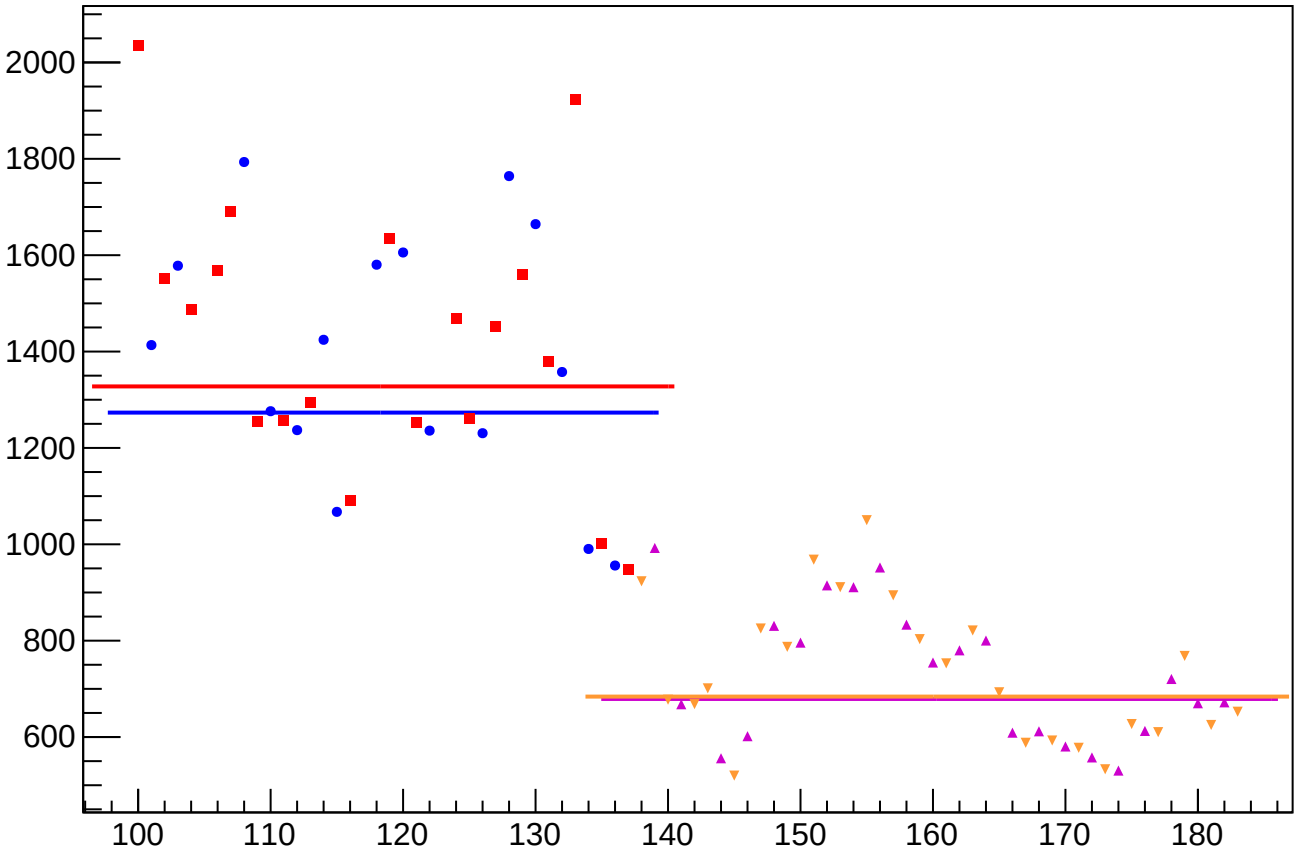
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -147.211+/-163.103 χ^2/NDF:22.4/21

+ sign -776.983+/-151.761 χ^2/NDF: 87.5/39

All: -510.676+/-108.429 χ^2/NDF: 130.0/80

- sign -232.979+/-154.972 χ^2/NDF: 36.2/40



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 683.959+/-0.113 χ^2/NDF:1309765.9/23

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

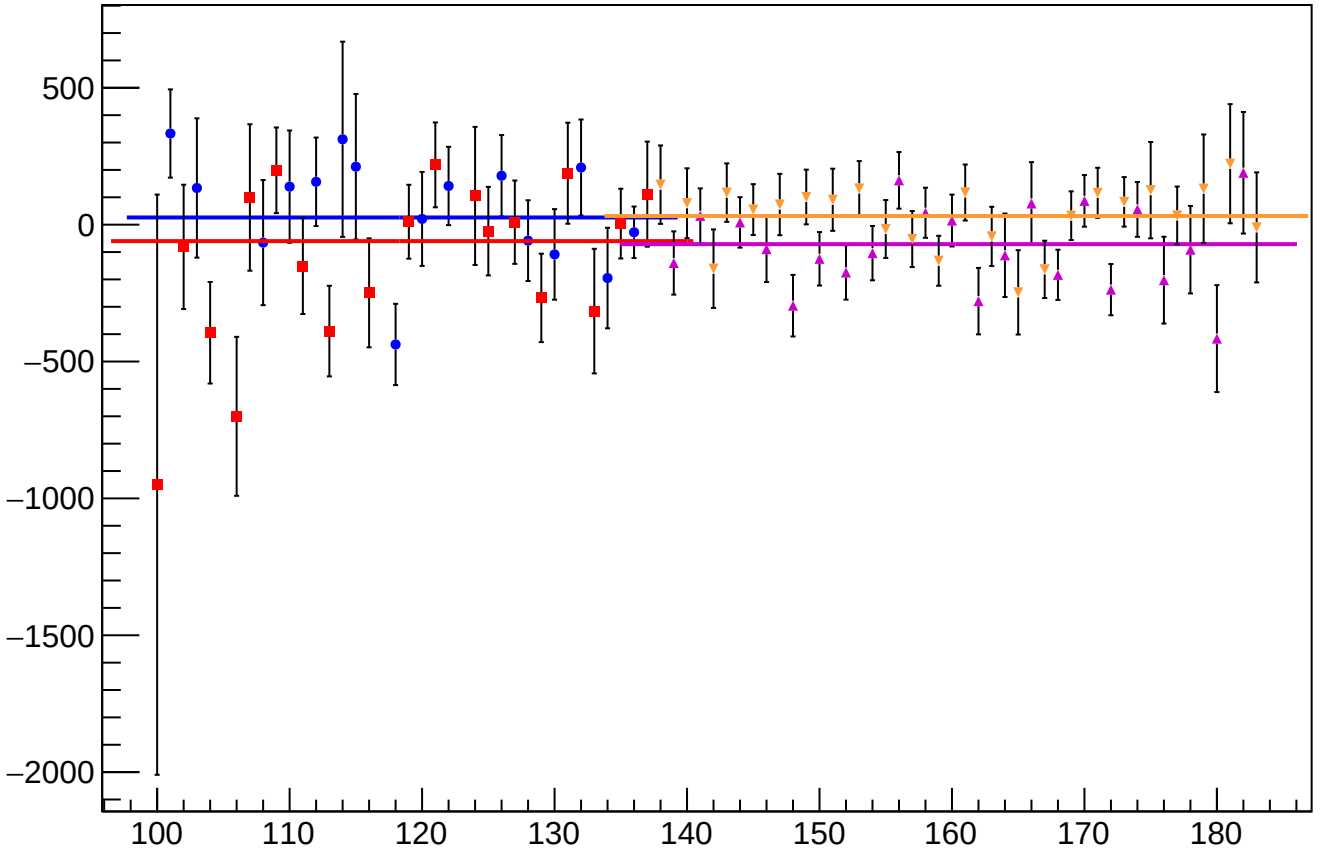
Left In: 679.060+/-0.115 χ^2/NDF:1184671.5/21

\+ sign 741.314+/-0.107 χ^2/NDF: 4557073.4/39

All: 741.708+/-0.077 χ^2/NDF: 9275087.6/80

\- sign 742.119+/-0.110 χ^2/NDF: 4717986.7/40

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 31.584+/-22.943 χ^2/NDF:19.7/23

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

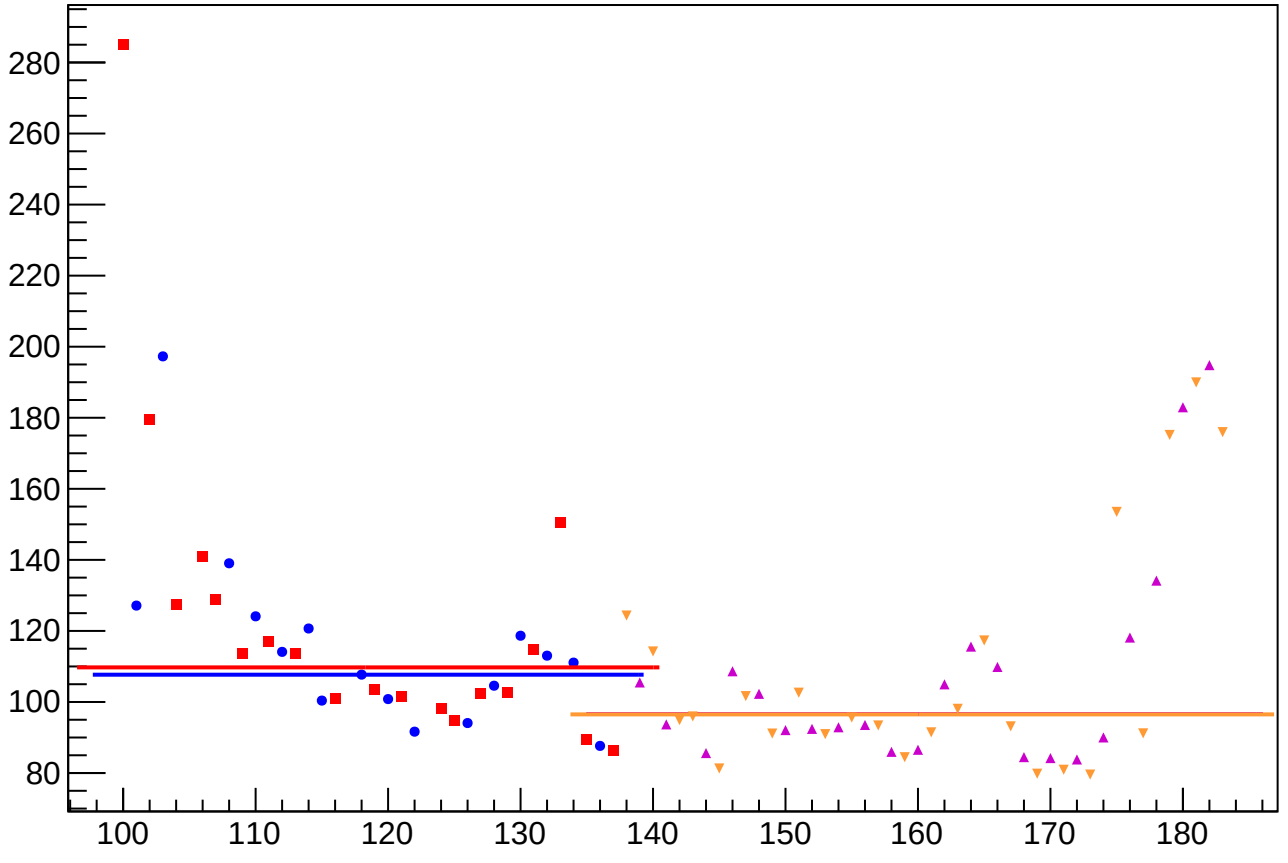
Left In: -71.165+/-23.586 χ^2/NDF:33.4/21

+ sign 30.323+/-20.047 χ^2/NDF: 41.1/39

All: -17.948+/-14.336 χ^2/NDF: 113.4/80

- sign -68.471+/-20.509 χ^2/NDF: 60.5/40

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.512+/-0.016 χ^2/NDF:1680408.0/23

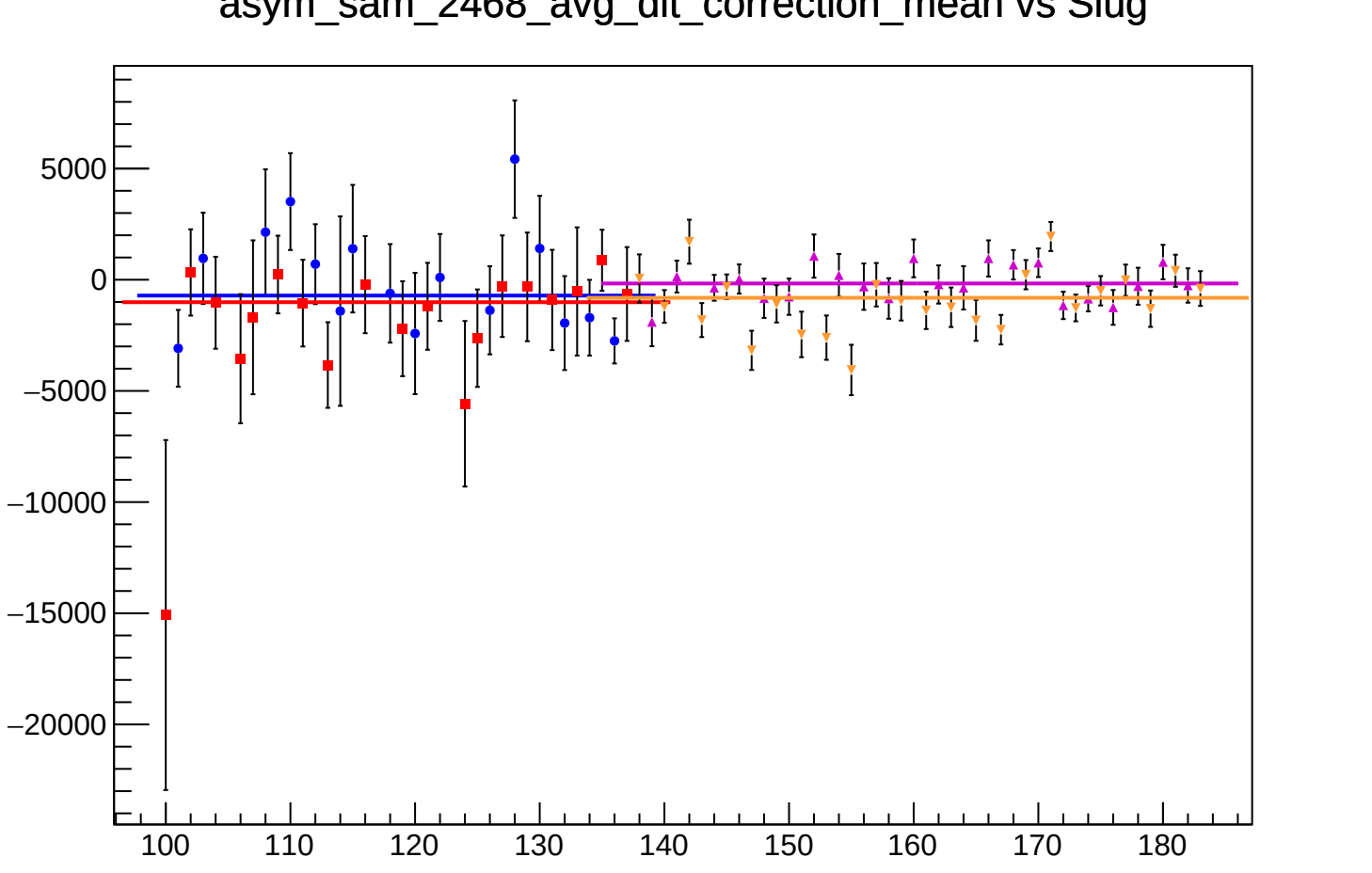
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 96.613+/-0.017 χ^2/NDF:1230108.4/21

+ sign 99.154+/-0.014 χ^2/NDF: 2275614.3/39

All: 99.477+/-0.010 χ^2/NDF: 4149648.8/80

- sign 99.815+/-0.015 χ^2/NDF: 1872971.7/40



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -813.037+/-159.480 χ^2/NDF:64.0/23

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

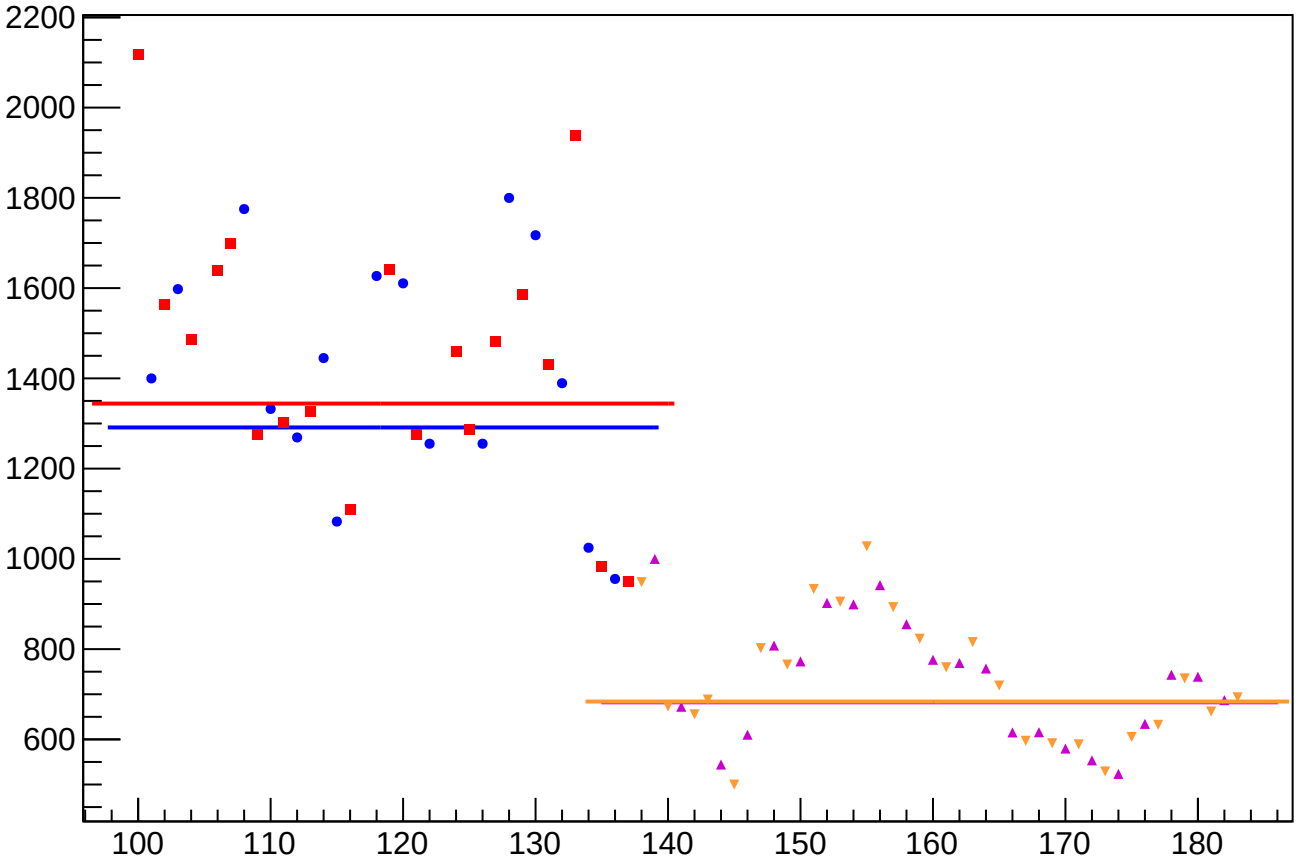
Left In: -168.771+/-163.839 χ^2/NDF:21.3/21

+ sign -803.558+/-151.746 χ^2/NDF: 84.1/39

All: -533.954+/-108.684 χ^2/NDF: 126.2/80

- sign -249.989+/-155.735 χ^2/NDF: 35.6/40

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 683.875+/-0.113 χ^2/NDF:1297798.1/23

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

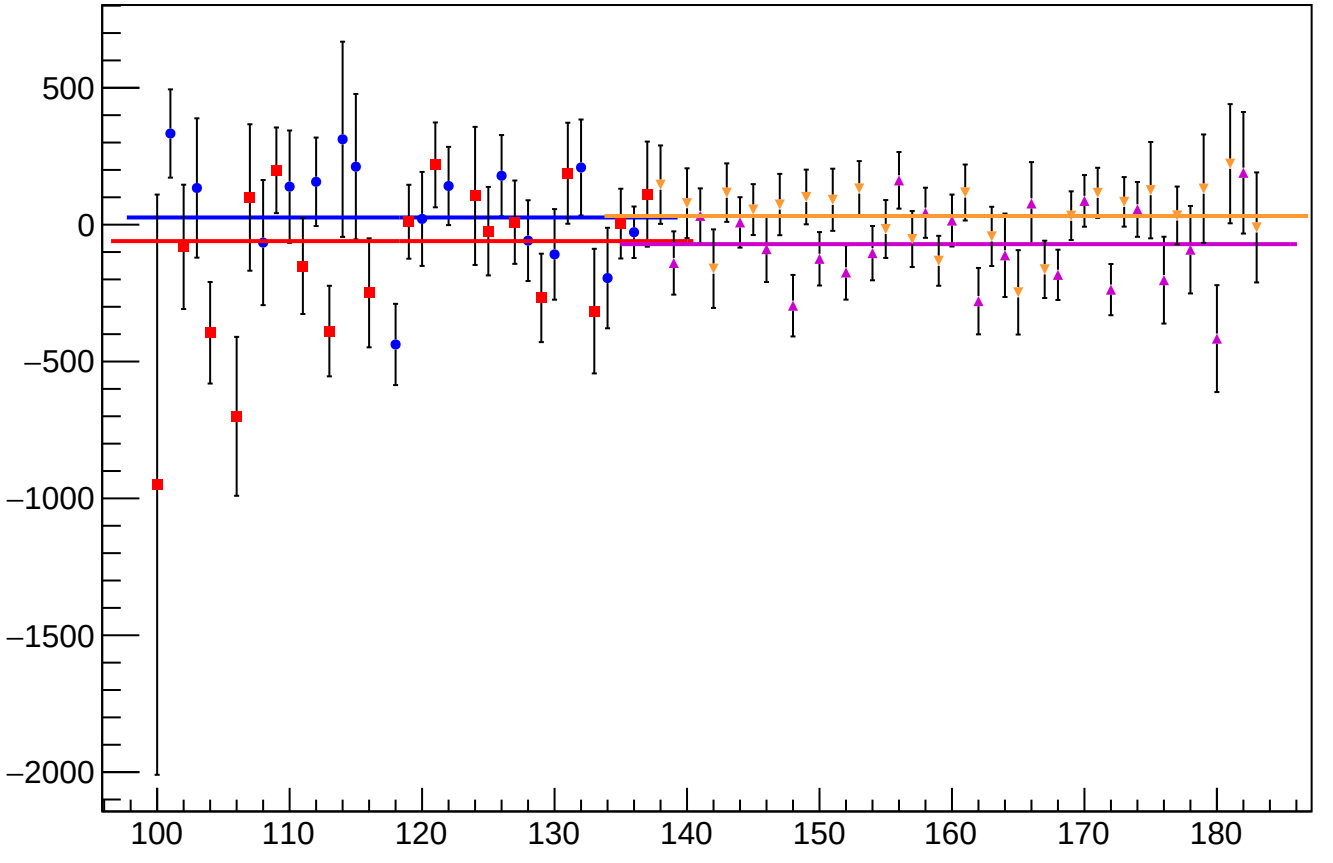
Left In: 682.142+/-0.116 χ^2/NDF:1185994.9/21

+ sign 741.357+/-0.107 χ^2/NDF: 4653967.3/39

All: 743.624+/-0.077 χ^2/NDF: 9481963.2/80

- sign 746.012+/-0.110 χ^2/NDF: 4827079.5/40

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 31.584+/-22.943 χ^2/NDF:19.7/23

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

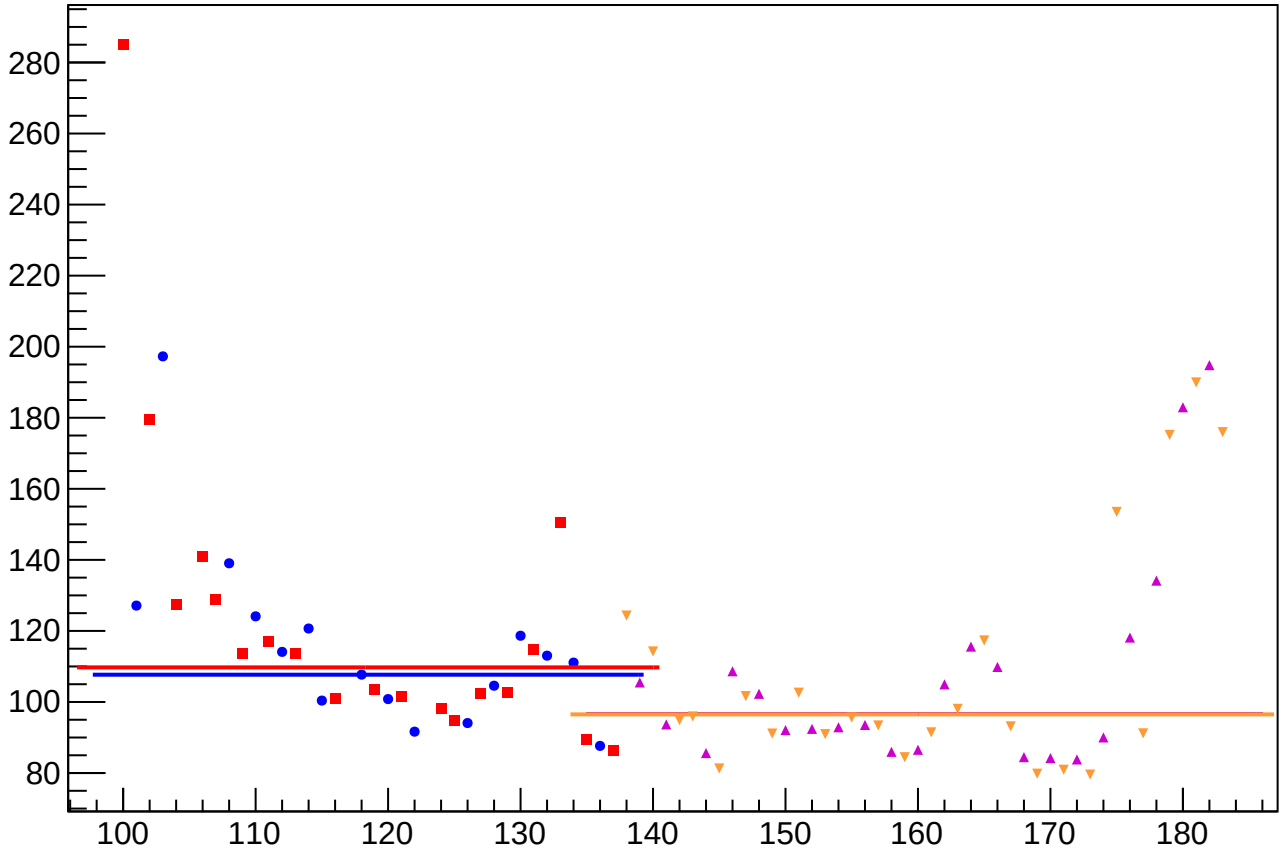
Left In: -71.164+/-23.586 χ^2/NDF:33.4/21

+ sign 30.323+/-20.047 χ^2/NDF: 41.1/39

All: -17.947+/-14.336 χ^2/NDF: 113.4/80

- sign -68.470+/-20.509 χ^2/NDF: 60.5/40

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 96.513+/-0.016 χ^2/NDF:1680409.2/23

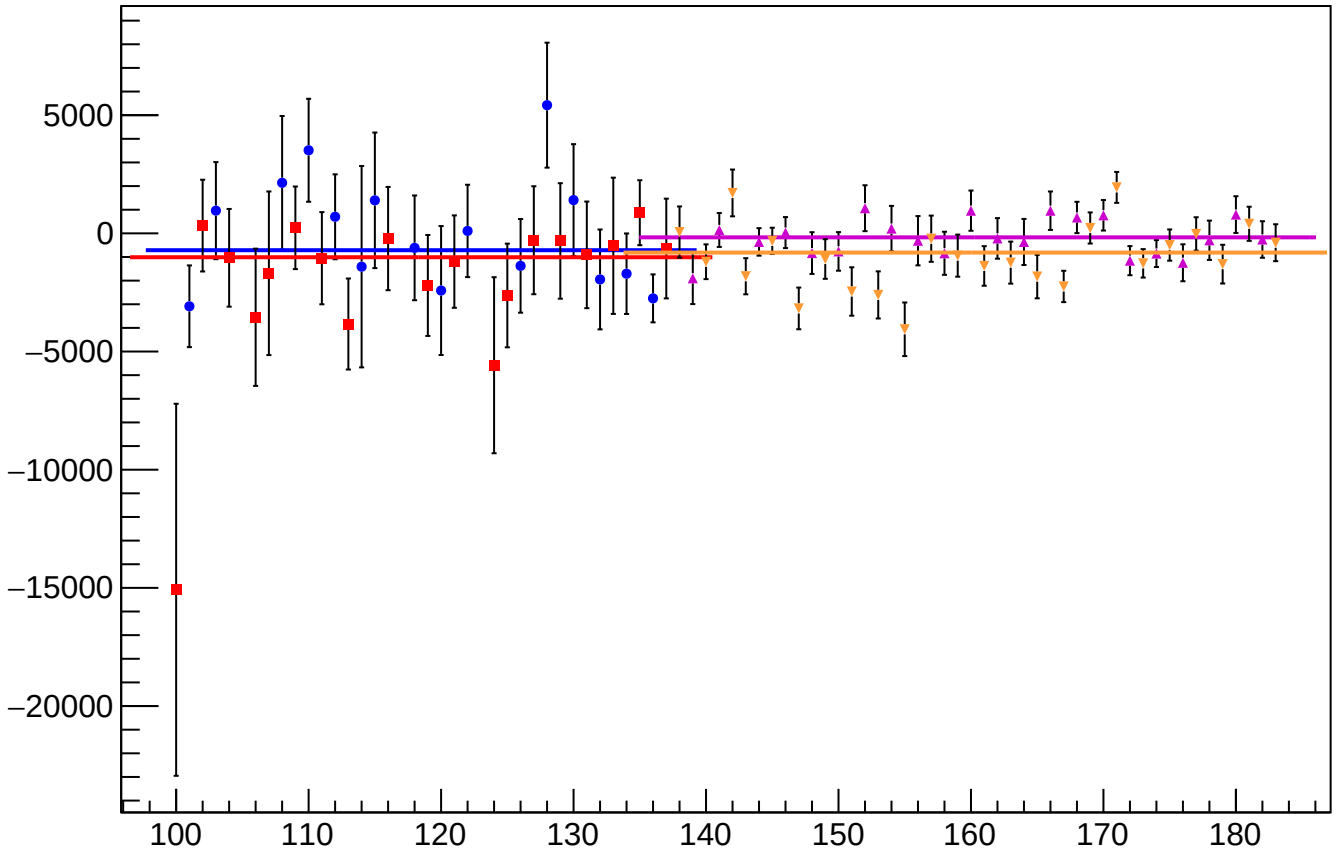
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 96.614+/-0.017 χ^2/NDF:1230092.5/21

+ sign 99.154+/-0.014 χ^2/NDF: 2275582.3/39

All: 99.477+/-0.010 χ^2/NDF: 4149577.6/80

- sign 99.815+/-0.015 χ^2/NDF: 1872932.4/40



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -813.035+/-159.480 χ^2/NDF:64.0/23

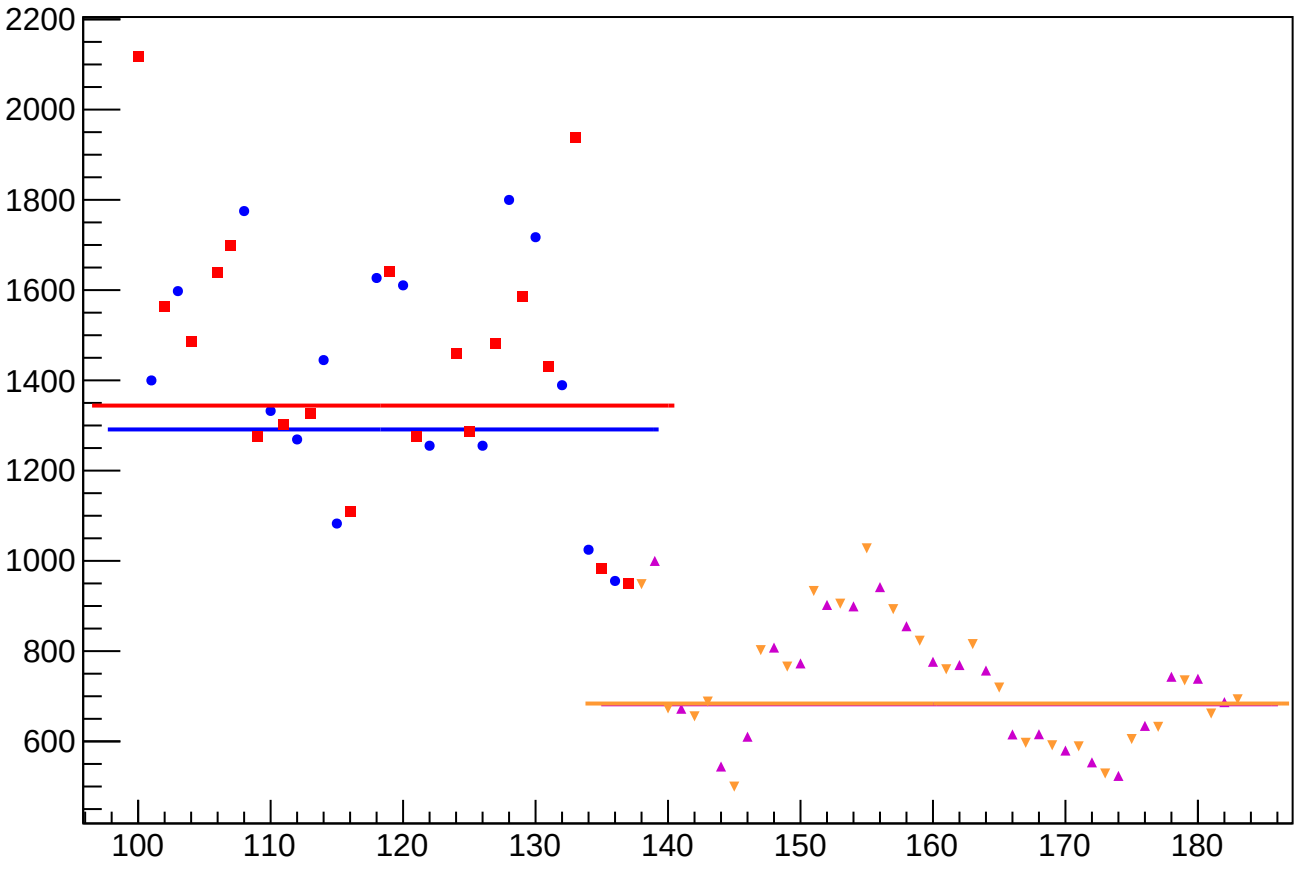
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -168.770+/-163.839 χ^2/NDF:21.3/21

+ sign -803.556+/-151.746 χ^2/NDF: 84.1/39

All: -533.952+/-108.683 χ^2/NDF: 126.2/80

- sign -249.988+/-155.735 χ^2/NDF: 35.6/40



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 683.873+/-0.113 χ^2/NDF:1297804.3/23

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

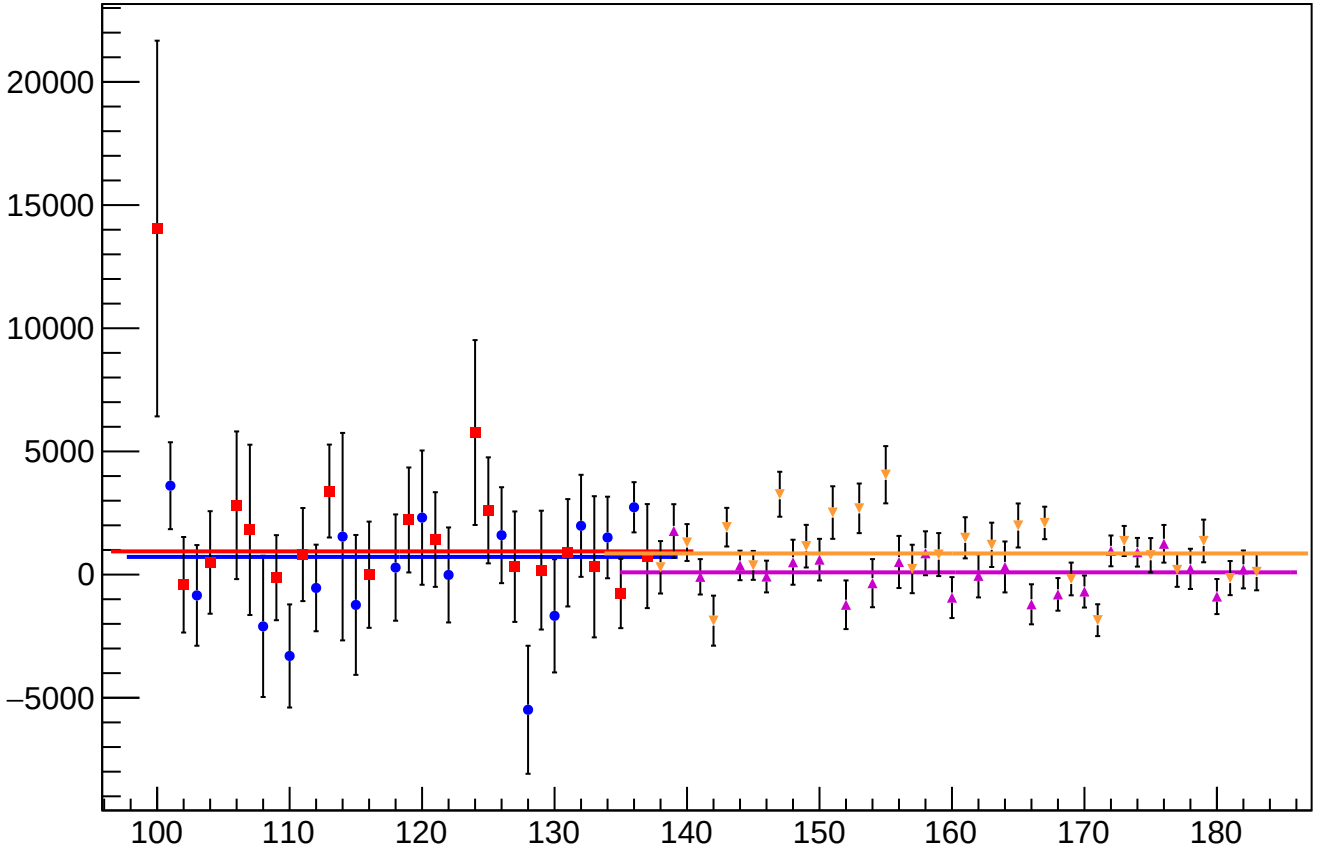
Left In: 682.141+/-0.116 χ^2/NDF:1185996.5/21

+ sign 741.355+/-0.107 χ^2/NDF: 4653971.6/39

All: 743.622+/-0.077 χ^2/NDF: 9481968.0/80

- sign 746.010+/-0.110 χ^2/NDF: 4827080.0/40

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 858.484+/-160.919 χ^2/NDF:62.1/23

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

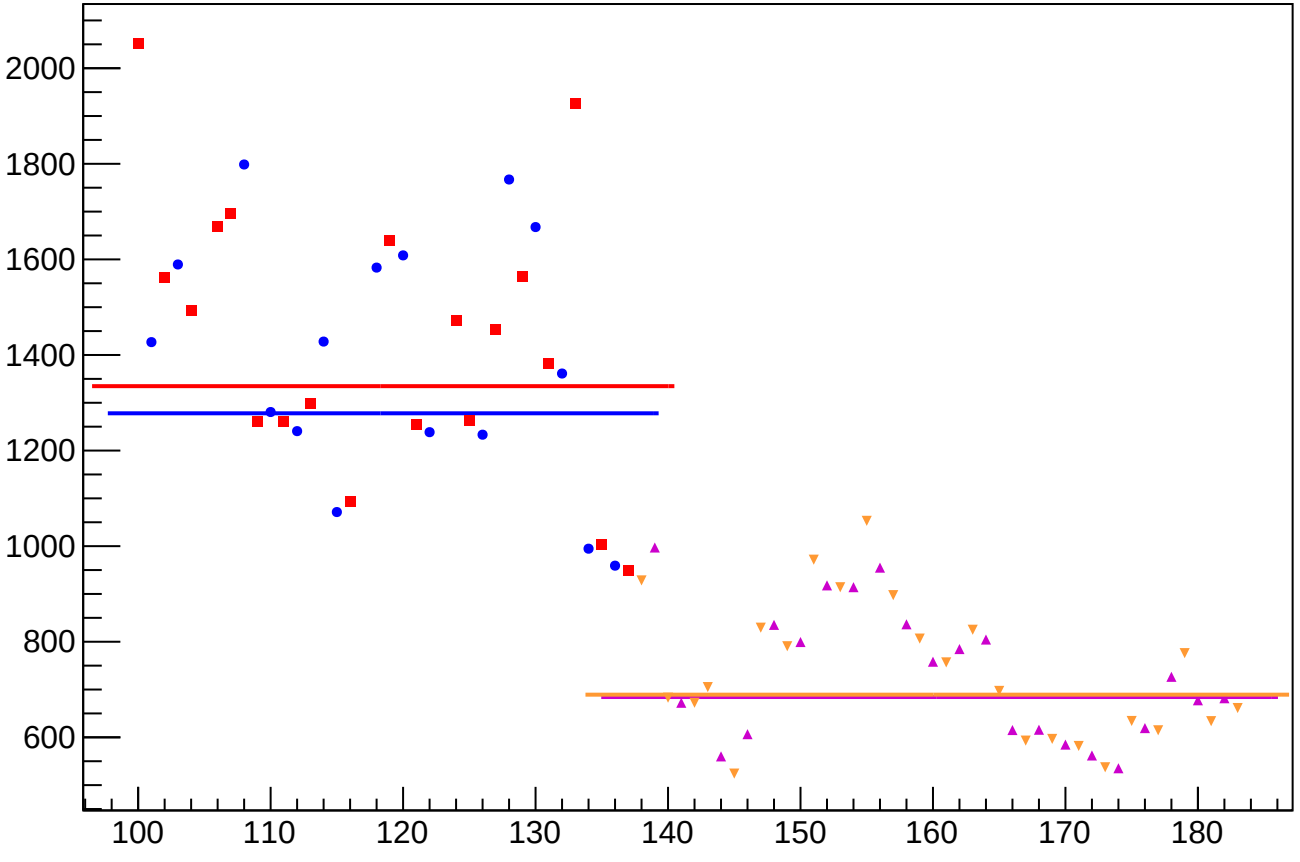
Left In: 91.366+/-164.323 χ^2/NDF:21.8/21

+ sign 844.681+/-152.832 χ^2/NDF: 83.1/39

All: 516.767+/-109.188 χ^2/NDF: 127.5/80

- sign 174.902+/-156.049 χ^2/NDF: 35.0/40

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 689.255+/-0.114 χ^2/NDF:1287714.8/23

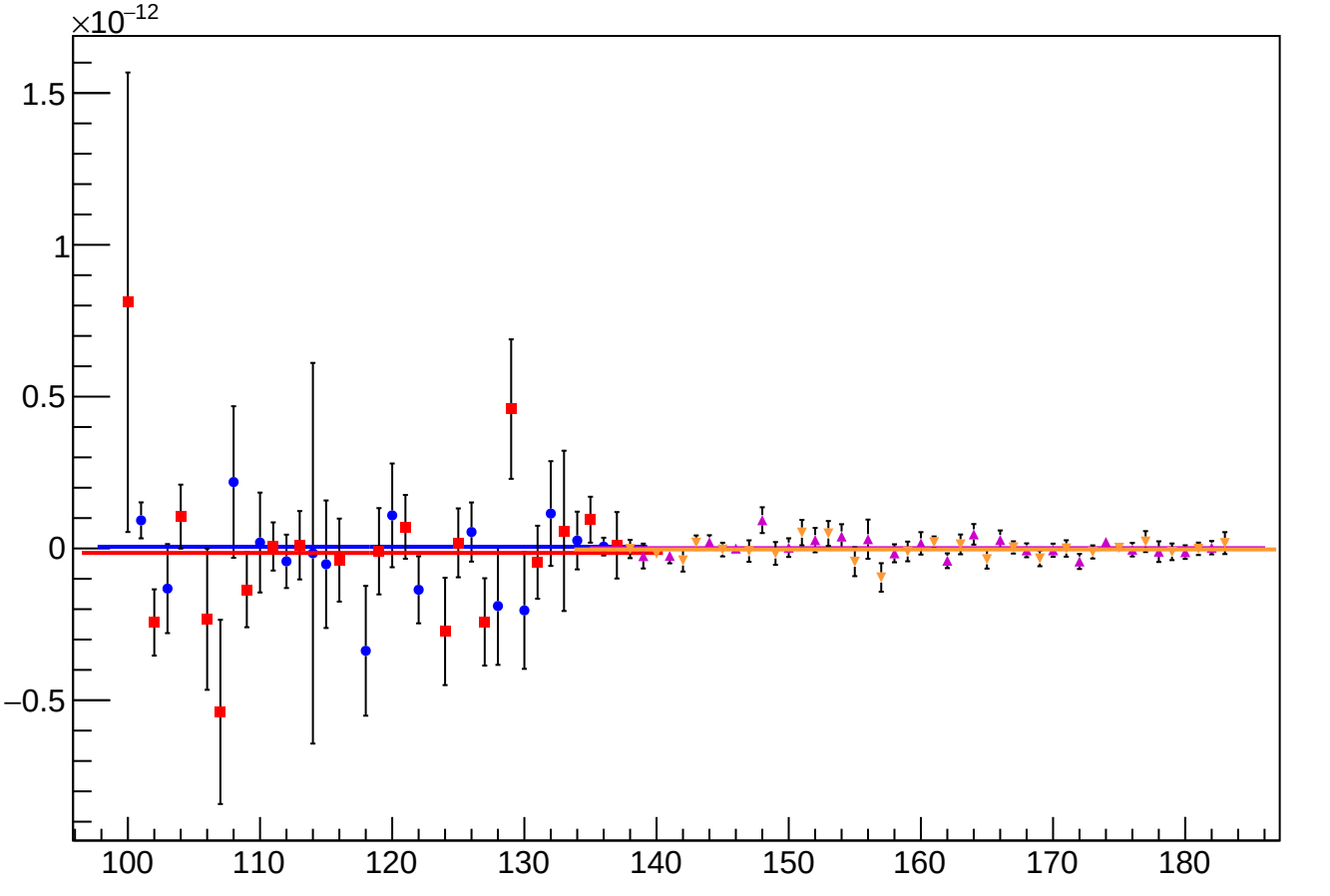
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.343+/-0.116 χ^2/NDF:1164367.4/21

+ sign 746.941+/-0.108 χ^2/NDF: 4508406.7/39

All: 747.555+/-0.077 χ^2/NDF: 9220905.1/80

- sign 748.195+/-0.110 χ^2/NDF: 4712432.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/23

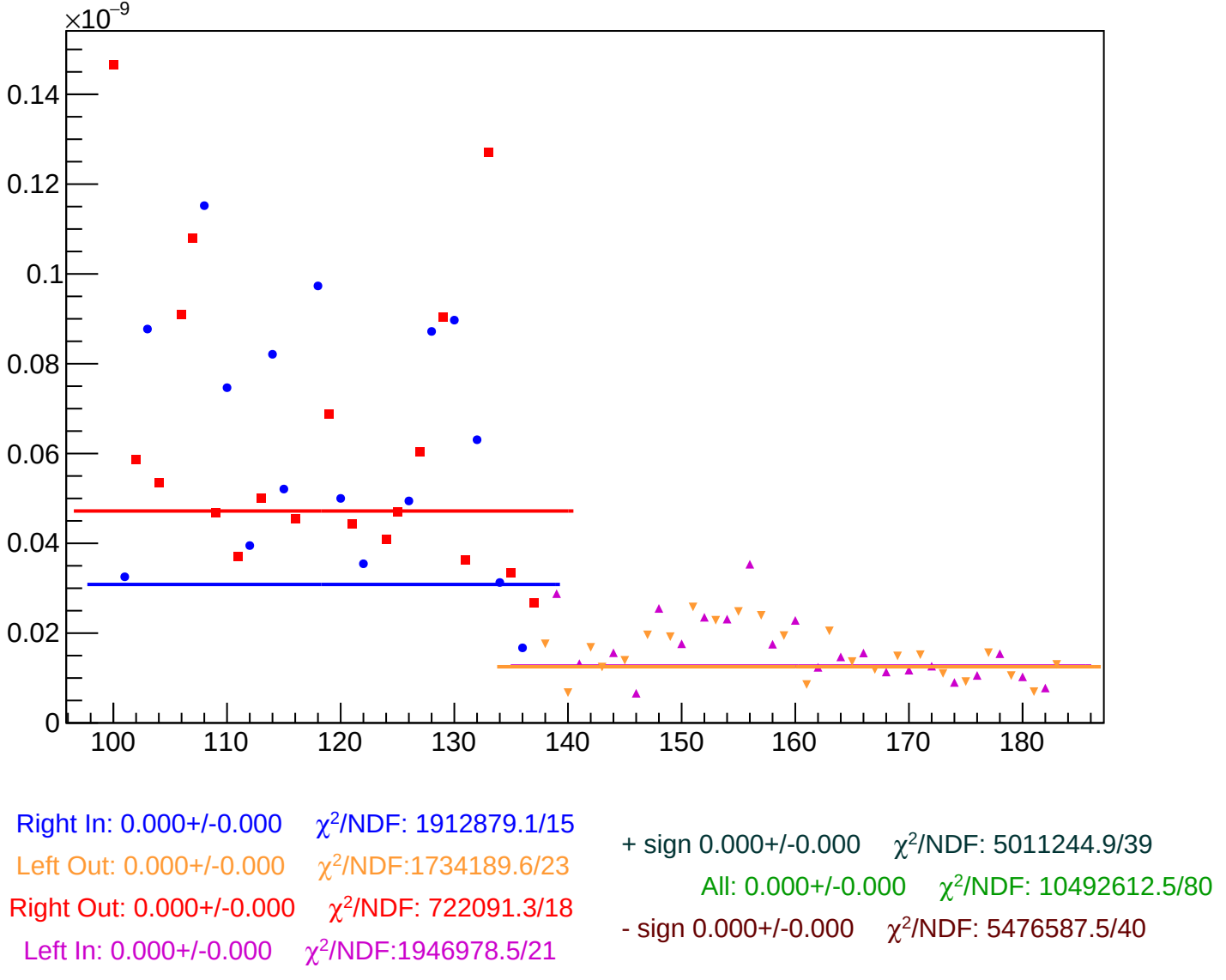
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

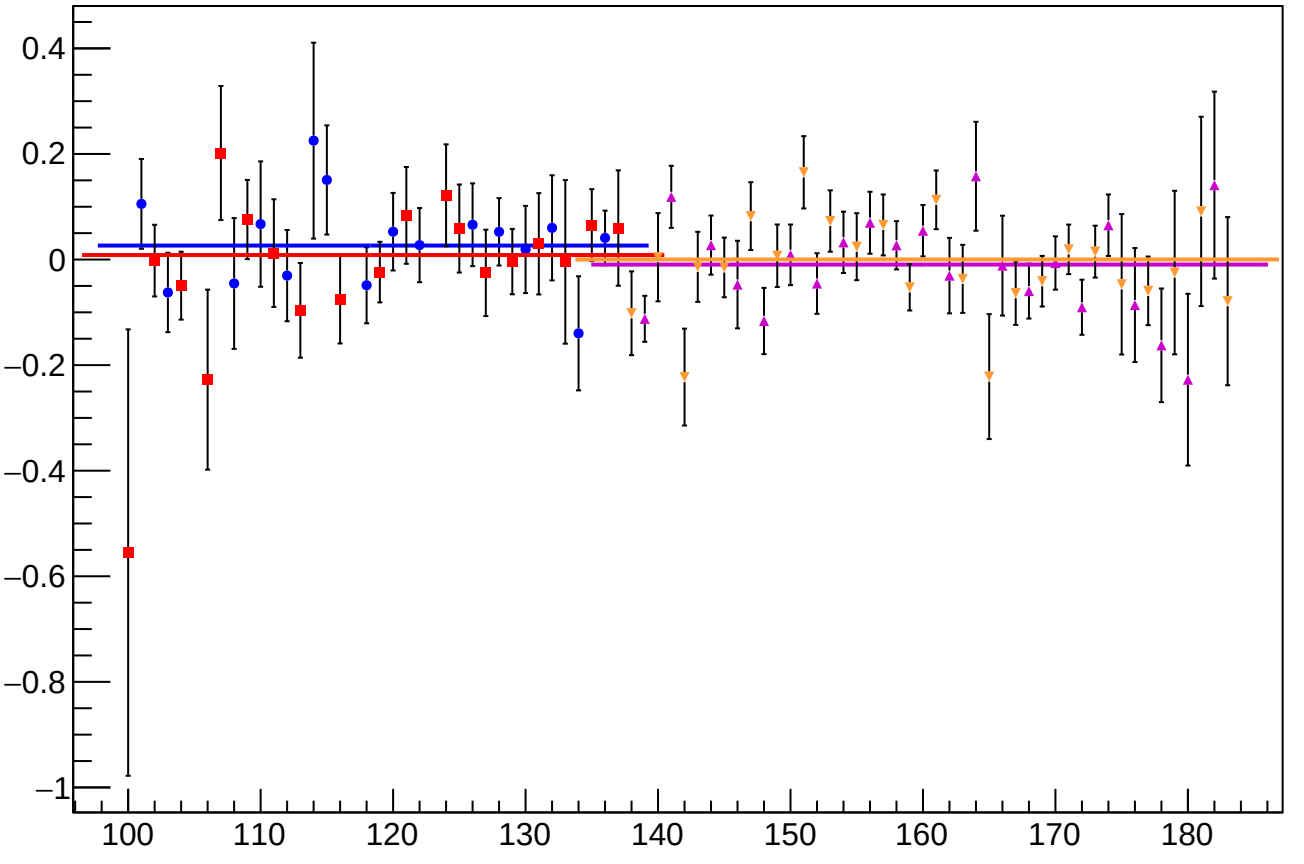
Left In: 0.000+/-0.000 χ^2/NDF:19.8/21

+ sign -0.000+/-0.000 χ^2/NDF: 28.3/39

All: -0.000+/-0.000 χ^2/NDF: 72.3/80

- sign 0.000+/-0.000 χ^2/NDF: 43.9/40


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1734189.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1946978.5/21
+ sign 0.000+/-0.000 χ²/NDF: 5011244.9/39
All: 0.000+/-0.000 χ²/NDF: 10492612.5/80
- sign 0.000+/-0.000 χ²/NDF: 5476587.5/40



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.2/23

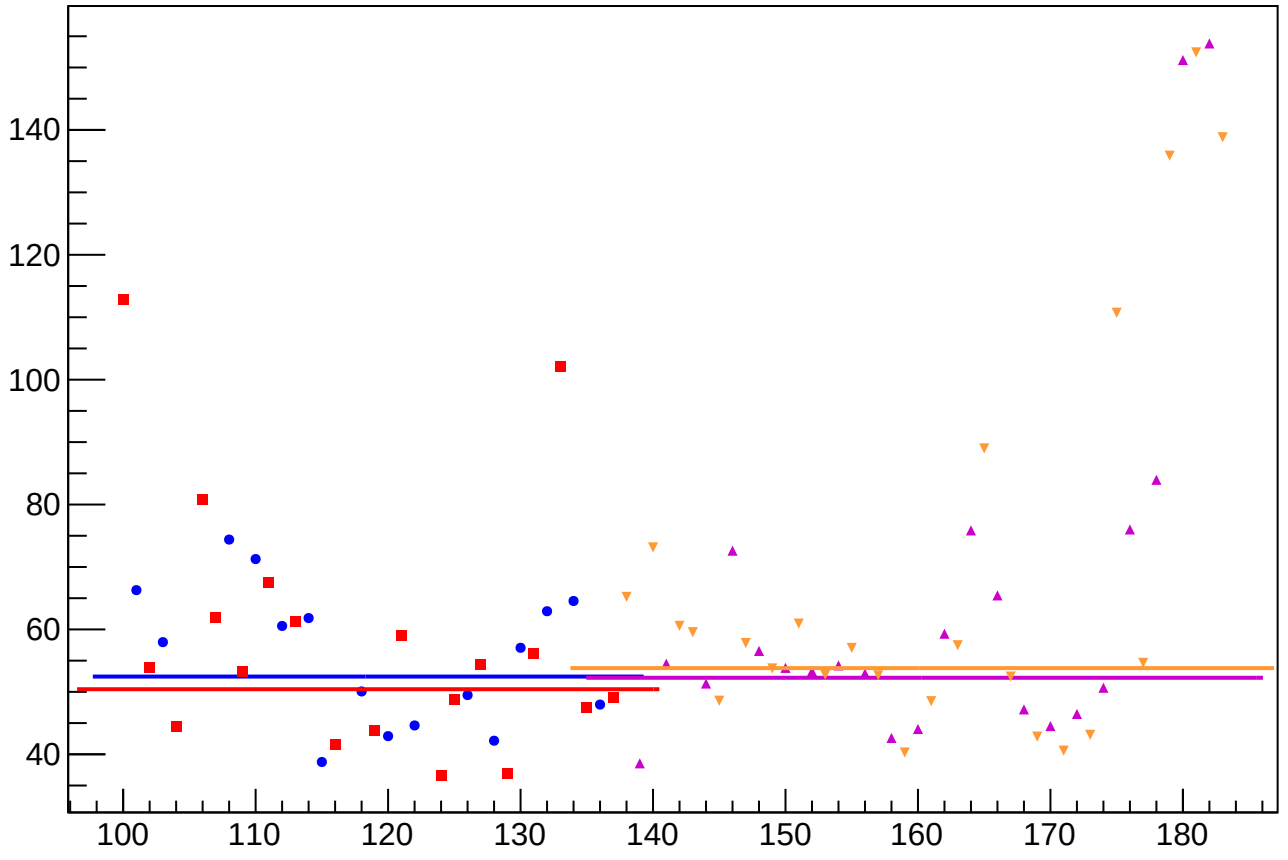
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.8/21

+ sign 0.008+/-0.011 χ^2/NDF: 42.3/39

All: 0.002+/-0.008 χ^2/NDF: 89.2/80

- sign -0.004+/-0.011 χ^2/NDF: 46.4/40



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081845.8/23

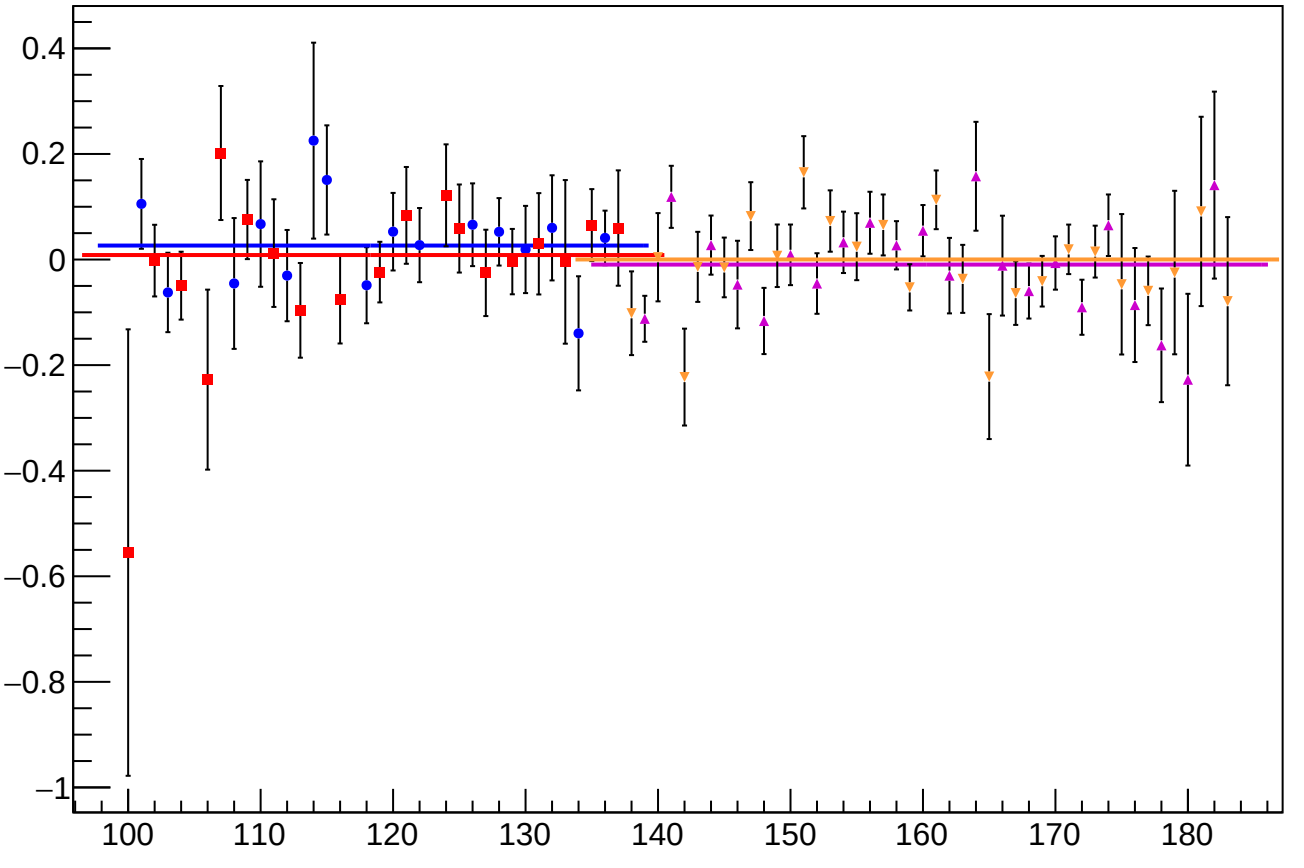
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 52.258+/-0.009 χ^2/NDF:2405474.7/21

+ sign 53.402+/-0.008 χ^2/NDF: 3506047.7/39

All: 52.527+/-0.006 χ^2/NDF: 6624826.2/80

- sign 51.677+/-0.008 χ^2/NDF: 3094355.3/40



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.2/23

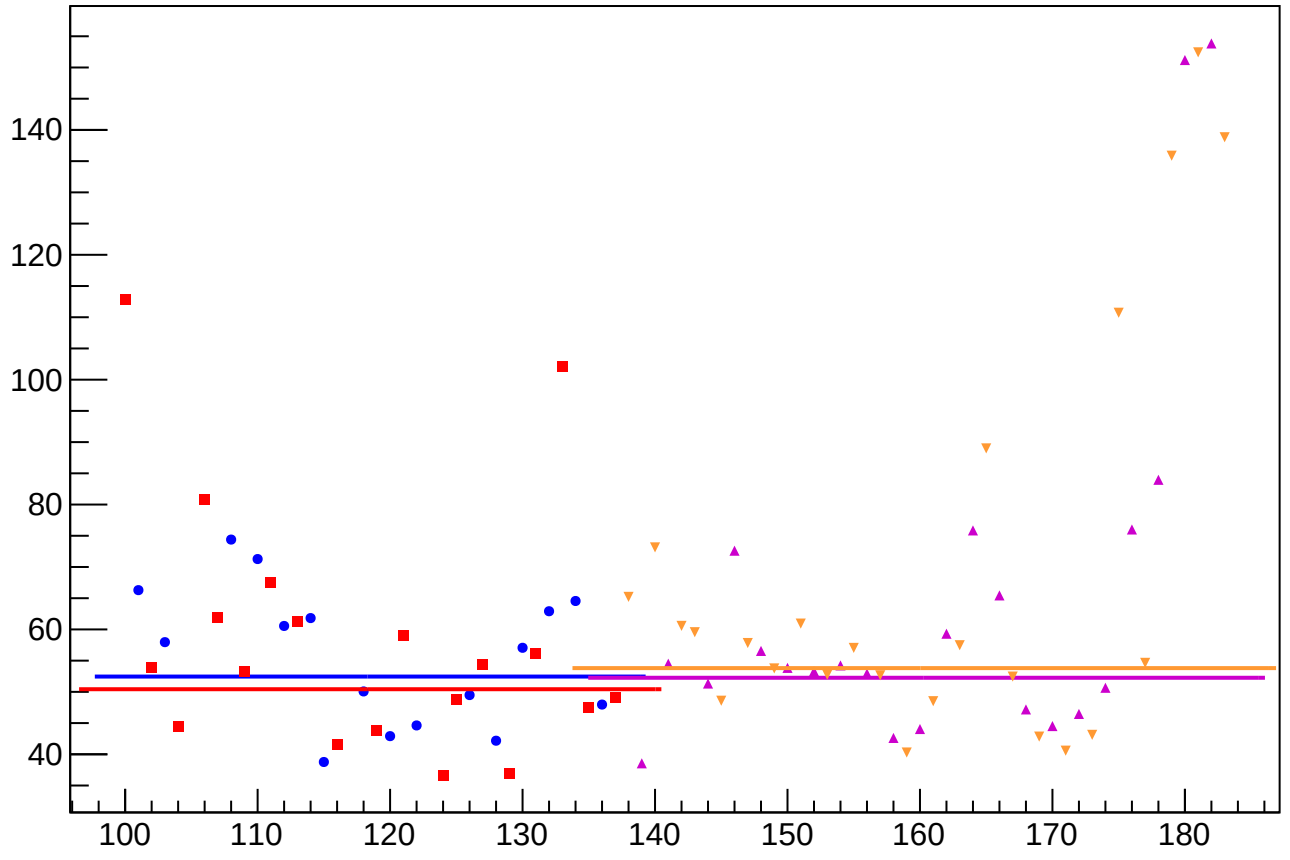
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.8/21

+ sign 0.008+/-0.011 χ^2/NDF: 42.3/39

All: 0.002+/-0.008 χ^2/NDF: 89.2/80

- sign -0.004+/-0.011 χ^2/NDF: 46.4/40



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081845.8/23

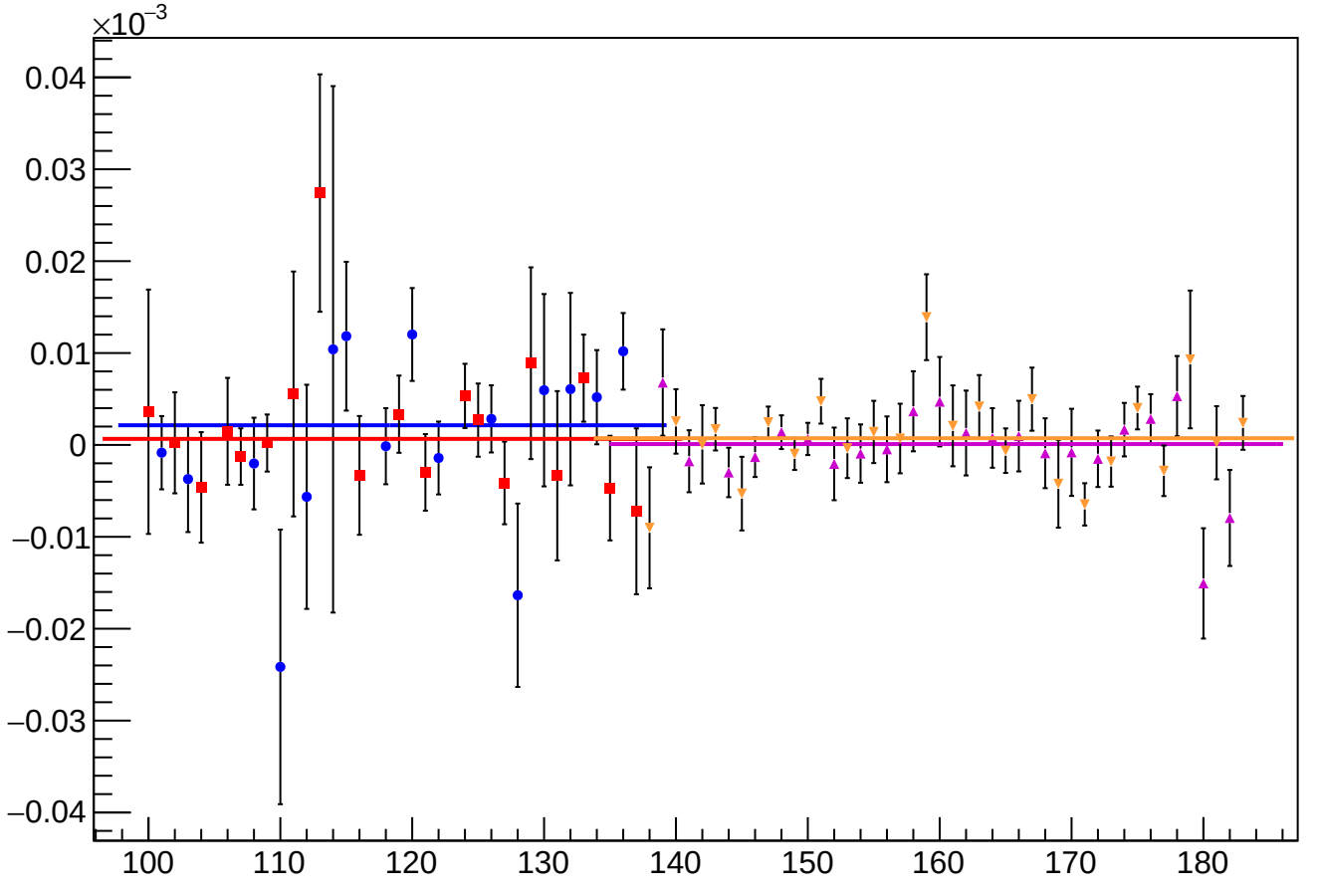
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 52.258+/-0.009 χ^2/NDF:2405474.7/21

+ sign 53.402+/-0.008 χ^2/NDF: 3506047.7/39

All: 52.527+/-0.006 χ^2/NDF: 6624826.2/80

- sign 51.677+/-0.008 χ^2/NDF: 3094355.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.7/23

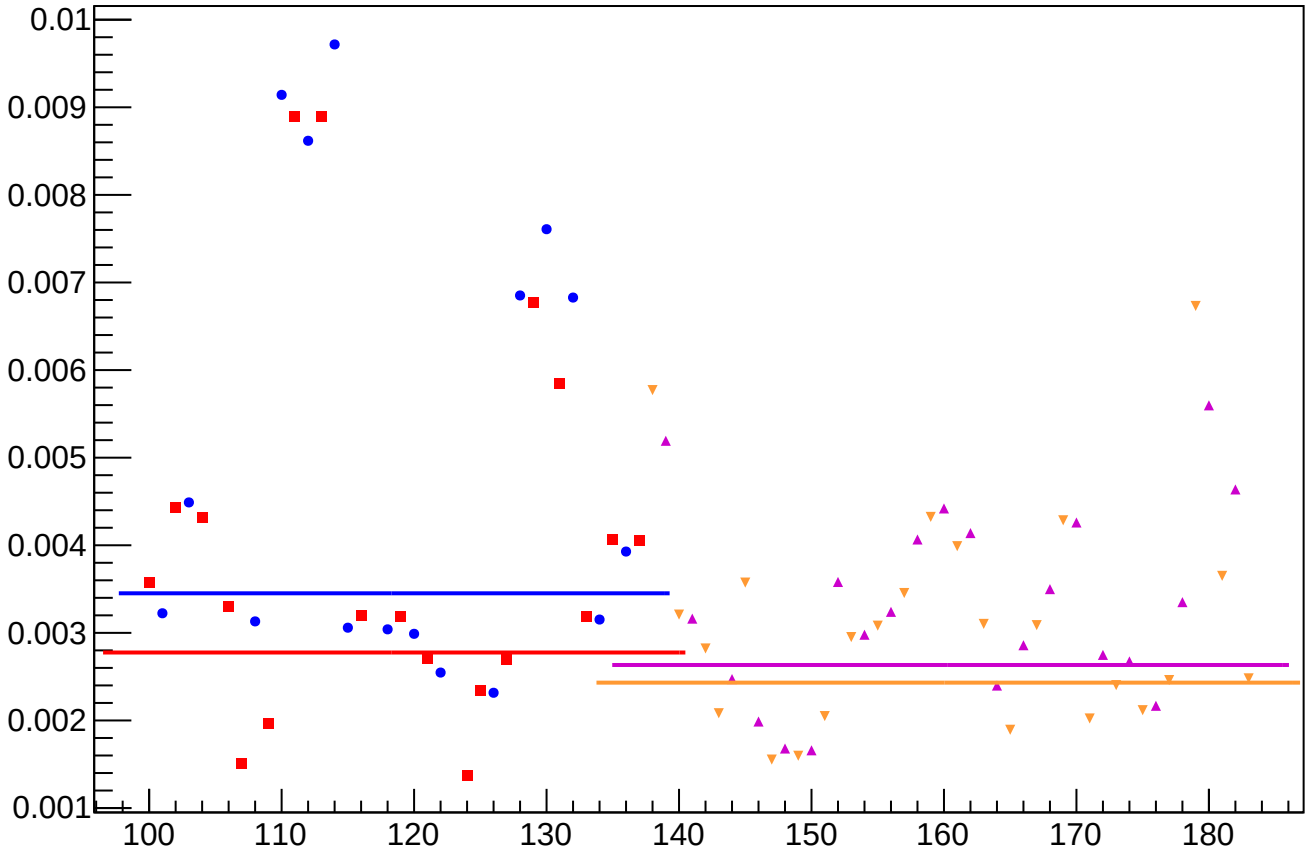
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/21

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/39

All: 0.000+/-0.000 χ^2/NDF: 92.5/80

- sign 0.000+/-0.000 χ^2/NDF: 33.0/40



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4216910.8/23

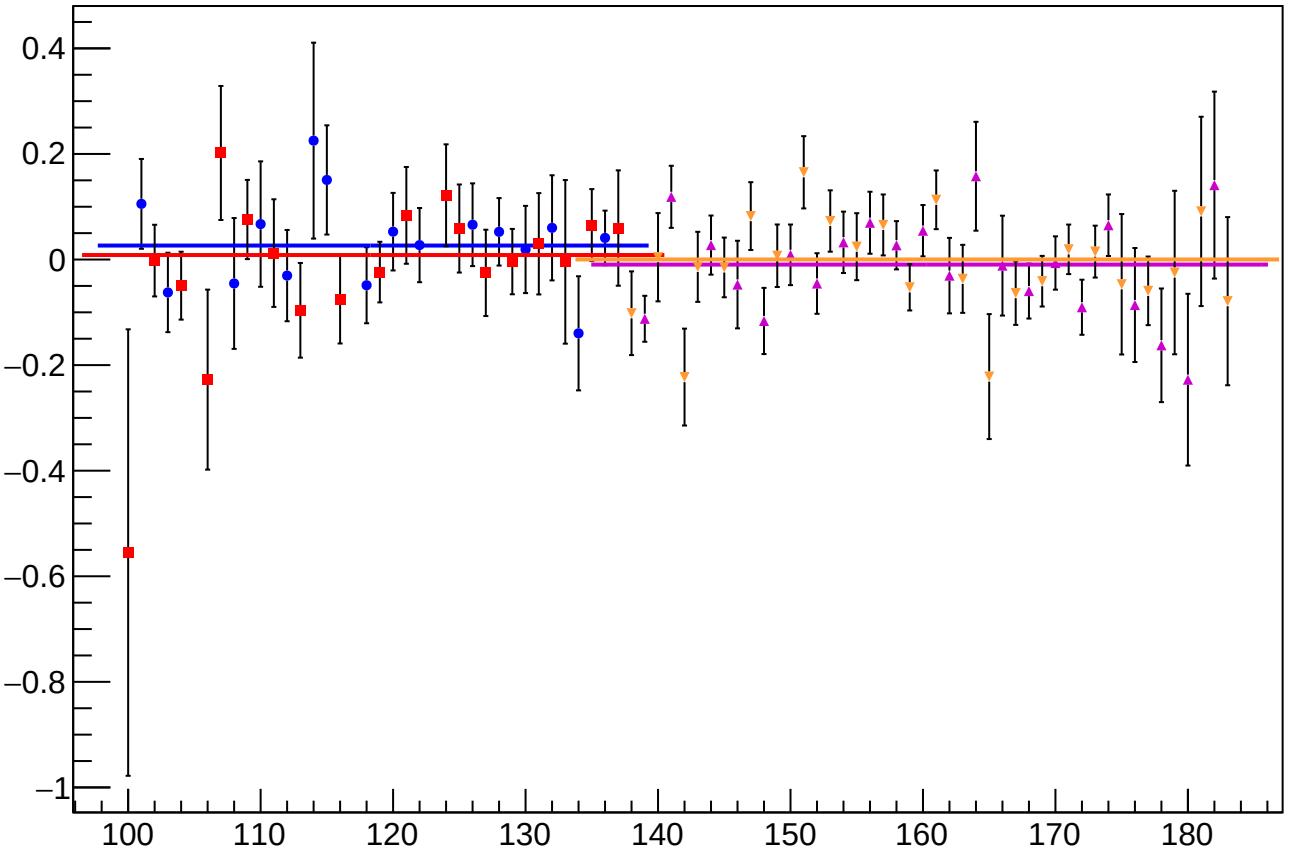
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3931304.3/21

+ sign 0.003+/-0.000 χ^2/NDF: 7082325.1/39

All: 0.003+/-0.000 χ^2/NDF: 13791020.3/80

- sign 0.003+/-0.000 χ^2/NDF: 6689223.3/40



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.2/23

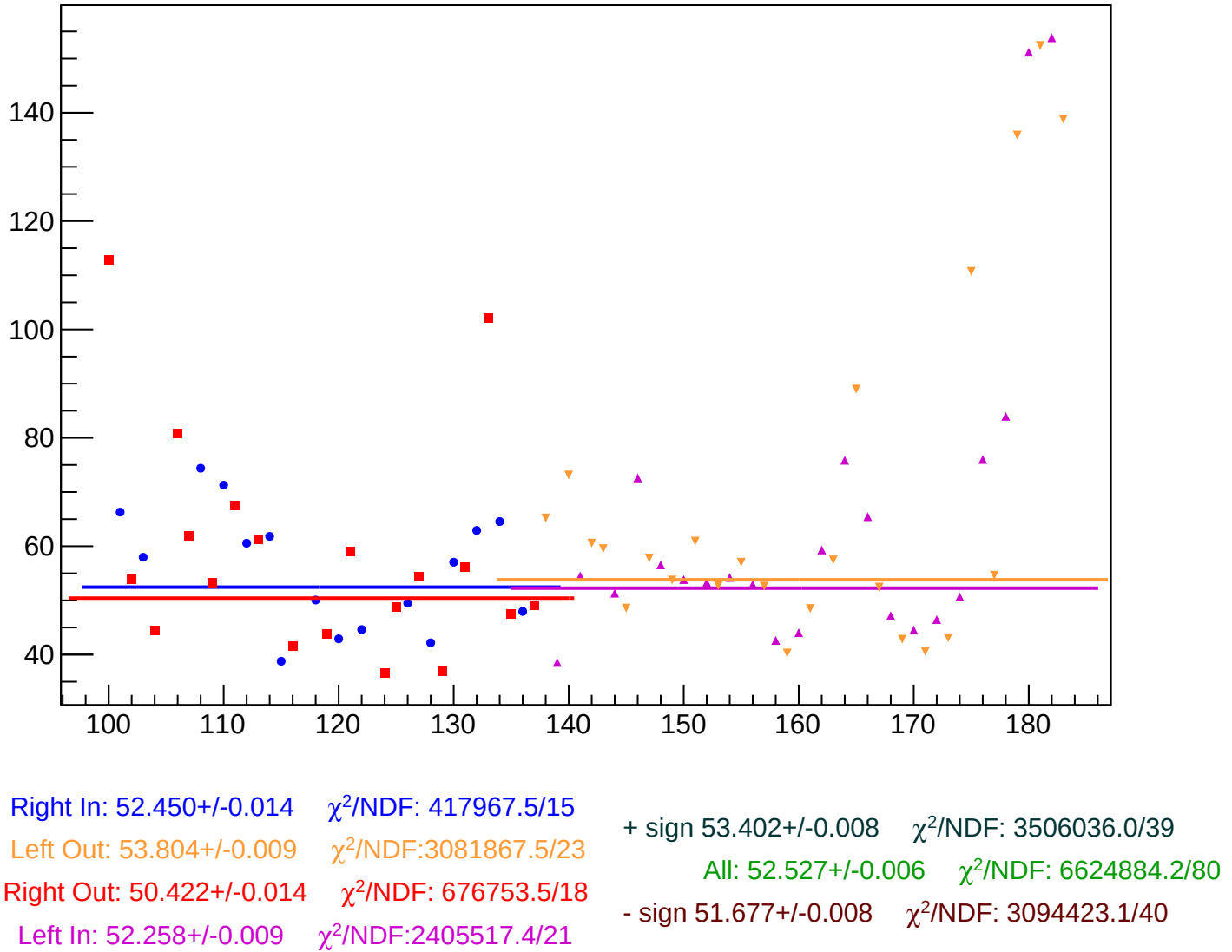
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

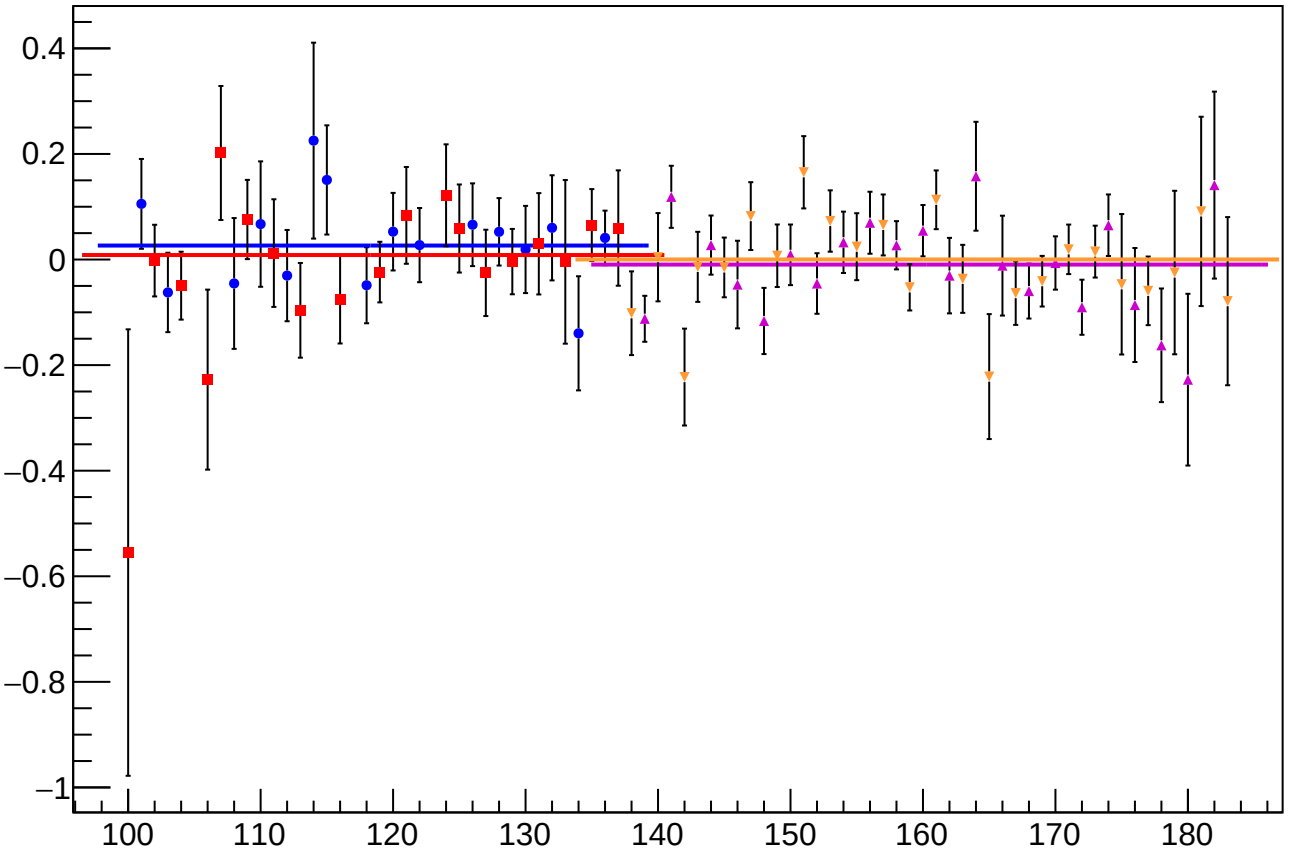
Left In: -0.010+/-0.013 χ^2/NDF:31.8/21

+ sign 0.008+/-0.011 χ^2/NDF: 42.3/39

All: 0.002+/-0.008 χ^2/NDF: 89.2/80

- sign -0.004+/-0.011 χ^2/NDF: 46.4/40


asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
160
170
180
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 53.804+/-0.009 χ²/NDF:3081867.5/23
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 52.258+/-0.009 χ²/NDF:2405517.4/21
+ sign 53.402+/-0.008 χ²/NDF: 3506036.0/39
All: 52.527+/-0.006 χ²/NDF: 6624884.2/80
- sign 51.677+/-0.008 χ²/NDF: 3094423.1/40



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.2/23

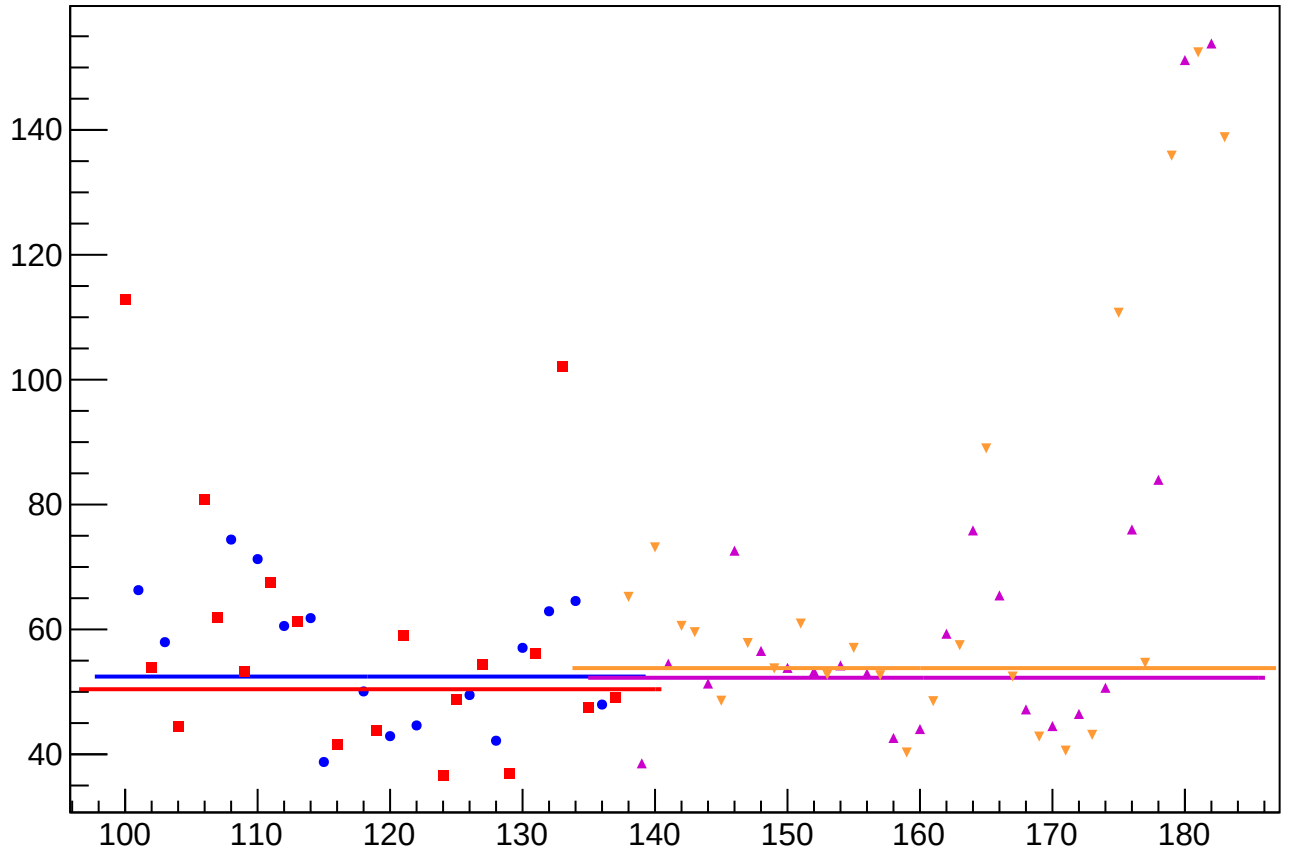
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.8/21

+ sign 0.008+/-0.011 χ^2/NDF: 42.3/39

All: 0.002+/-0.008 χ^2/NDF: 89.2/80

- sign -0.004+/-0.011 χ^2/NDF: 46.4/40



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081867.5/23

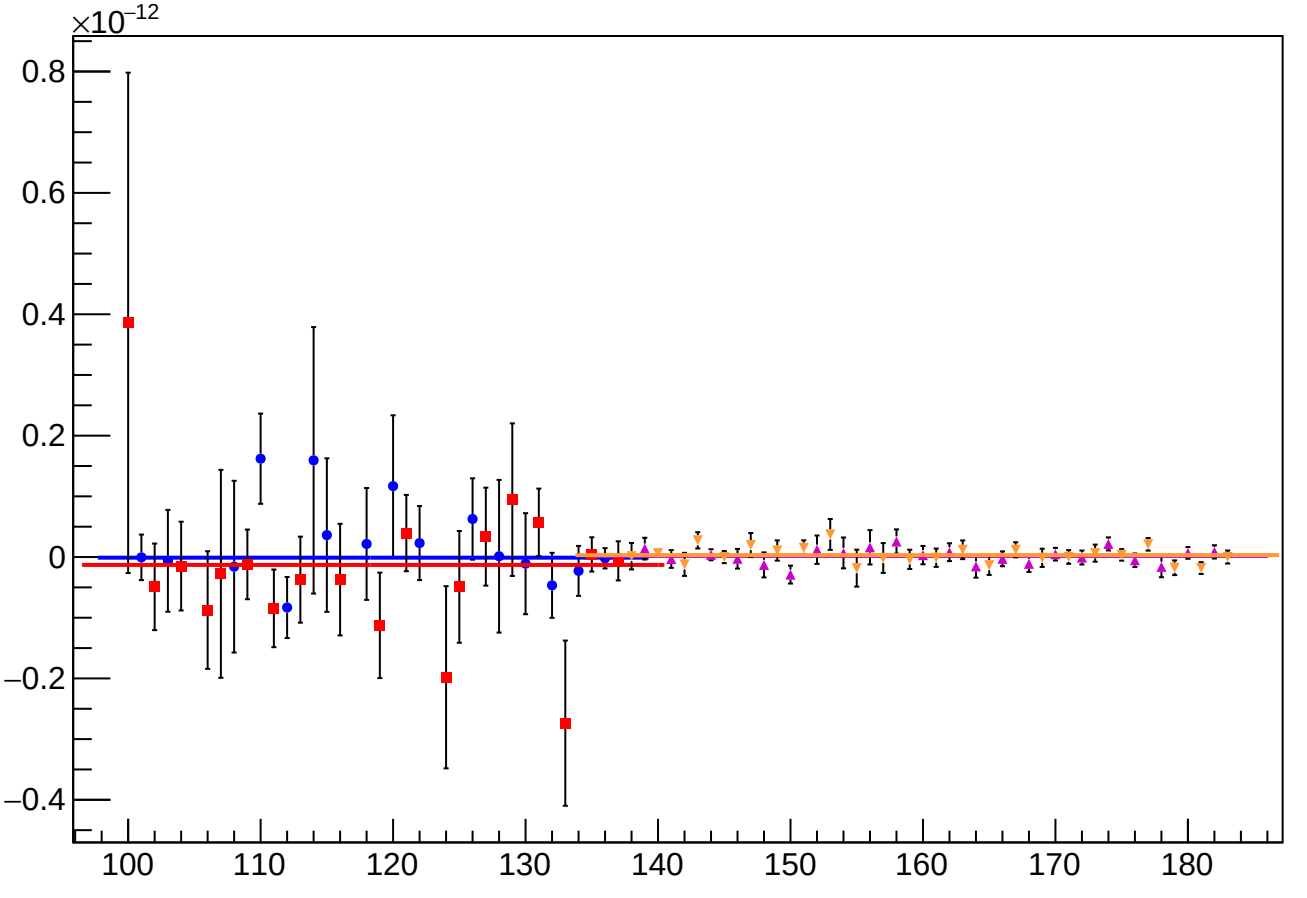
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 52.258+/-0.009 χ^2/NDF:2405517.4/21

+ sign 53.402+/-0.008 χ^2/NDF: 3506036.0/39

All: 52.527+/-0.006 χ^2/NDF: 6624884.2/80

- sign 51.677+/-0.008 χ^2/NDF: 3094423.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/23

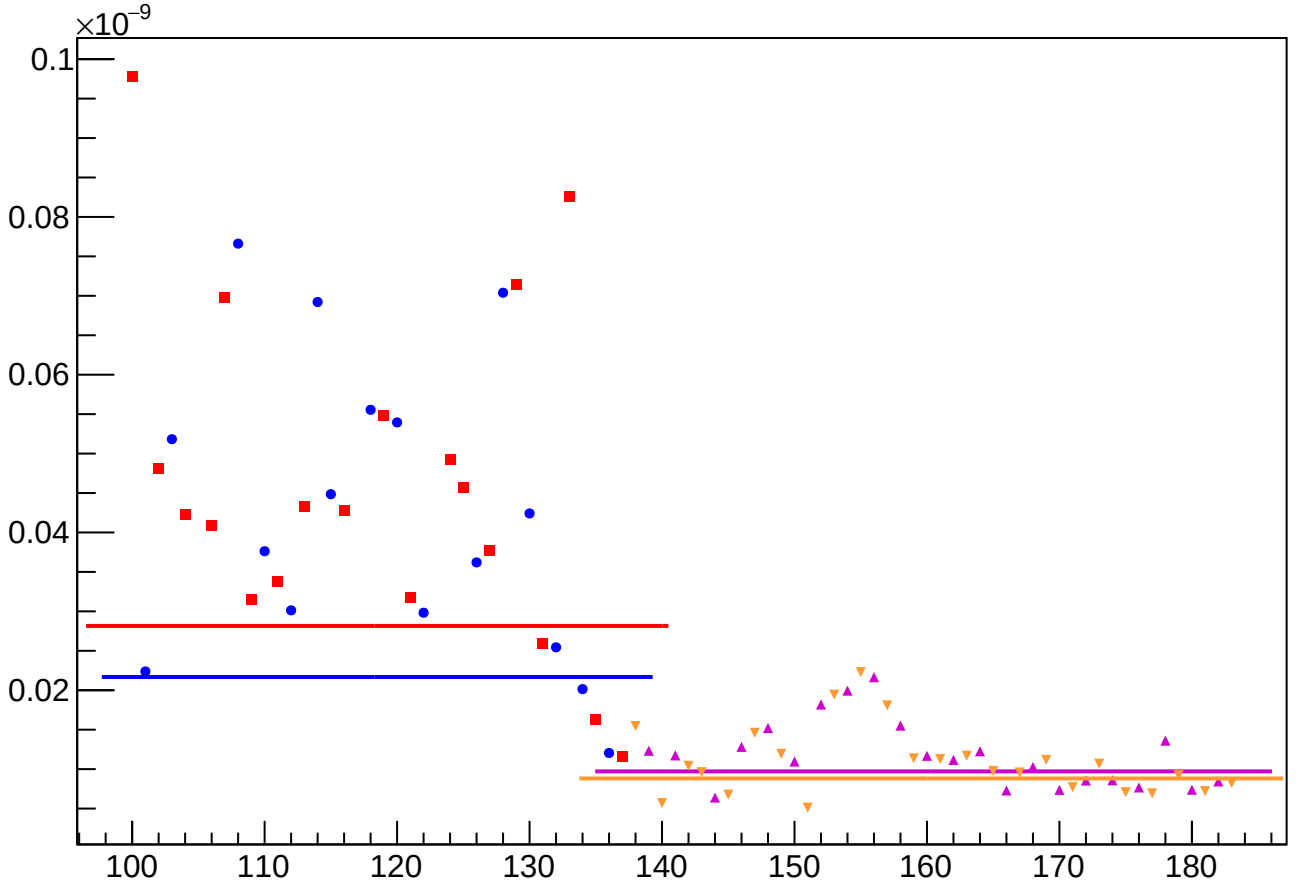
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/21

+ sign 0.000+/-0.000 χ^2/NDF: 32.9/39

All: 0.000+/-0.000 χ^2/NDF: 63.0/80

- sign 0.000+/-0.000 χ^2/NDF: 29.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2514759.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

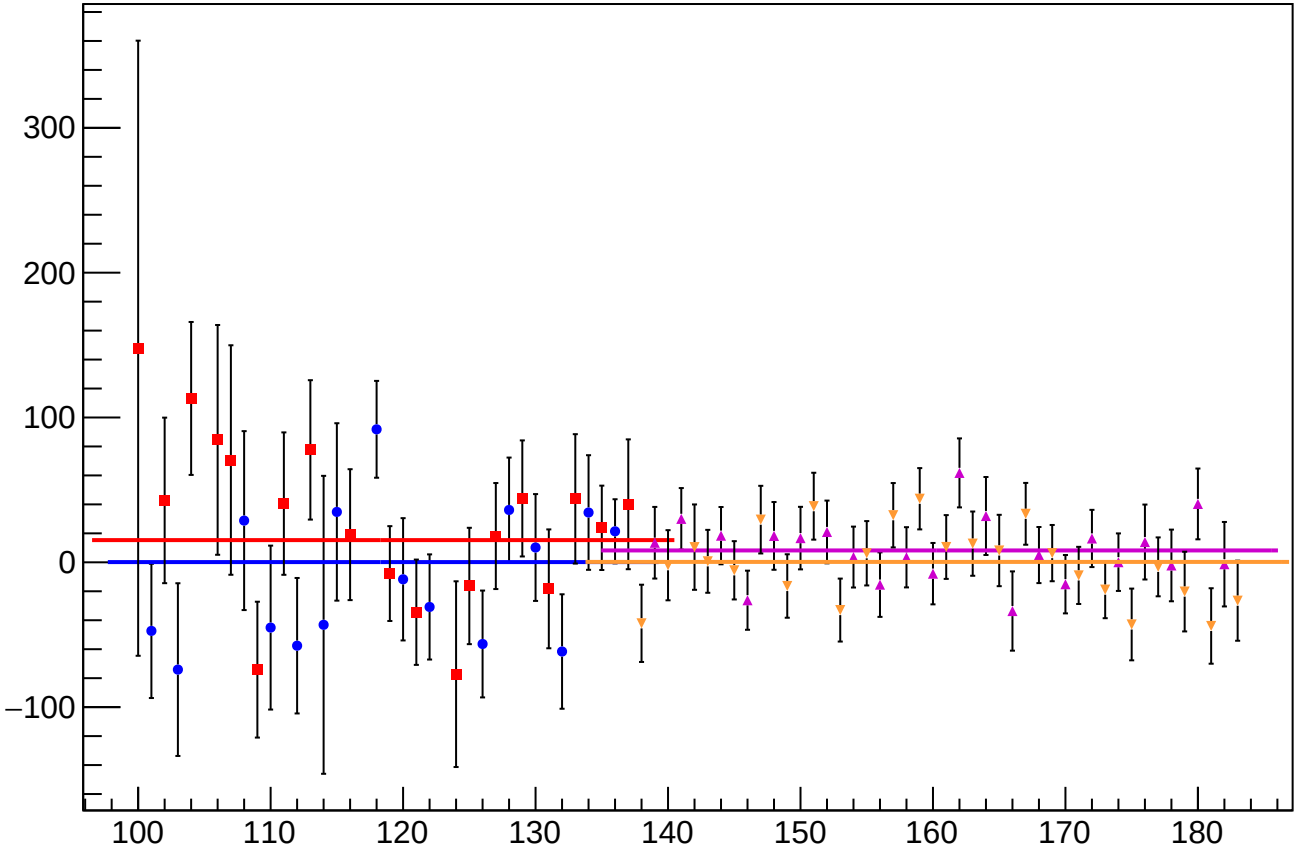
Left In: 0.000+/-0.000 χ^2/NDF:2318070.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 7231937.2/39

All: 0.000+/-0.000 χ^2/NDF: 15172329.4/80

- sign 0.000+/-0.000 χ^2/NDF: 7807010.7/40

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.279+/-4.617 χ^2/NDF:28.2/23

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

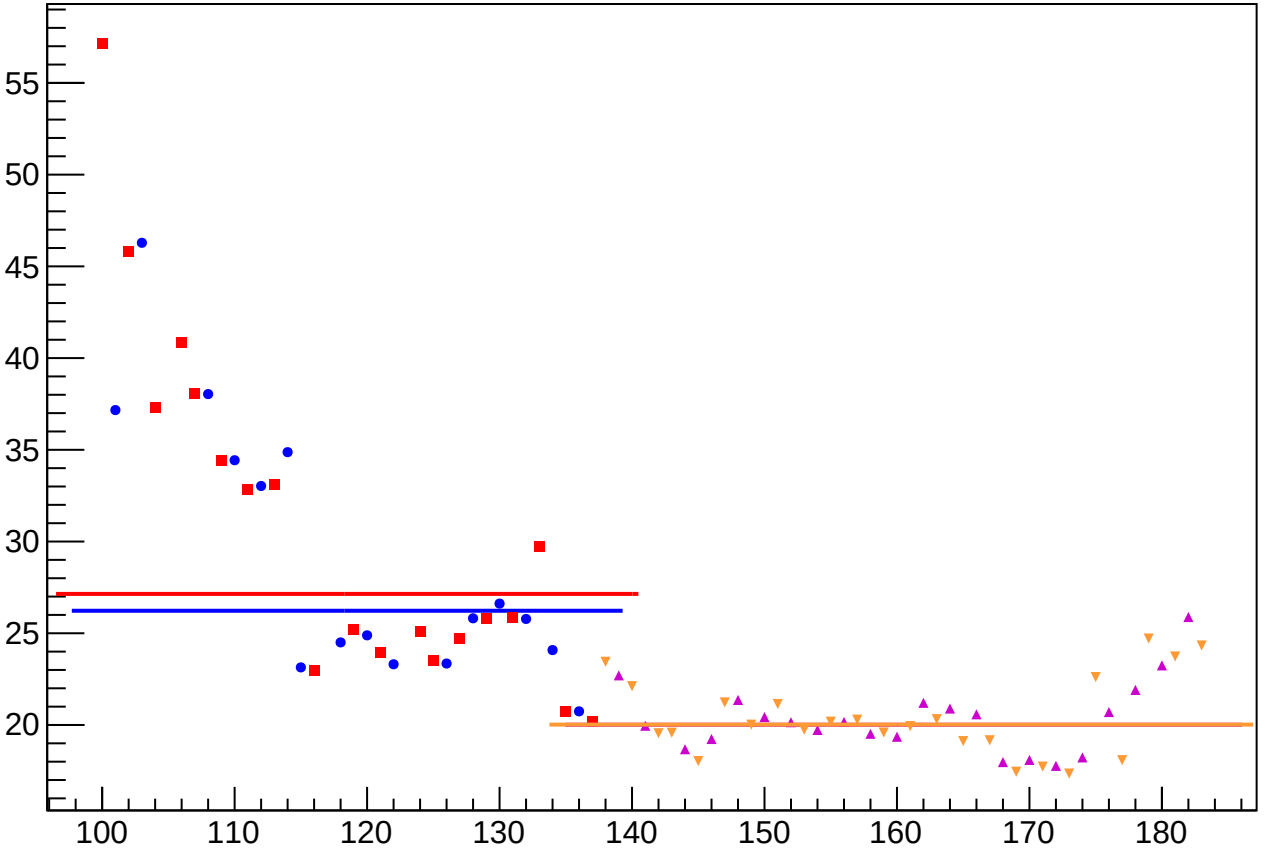
Left In: 8.203+/-4.746 χ^2/NDF:18.6/21

\+ sign 0.257+/-4.195 χ^2/NDF: 49.5/39

All: 4.736+/-3.005 χ^2/NDF: 88.8/80

\- sign 9.458+/-4.308 χ^2/NDF: 37.0/40

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.021+/-0.003 χ^2/NDF:372602.3/23

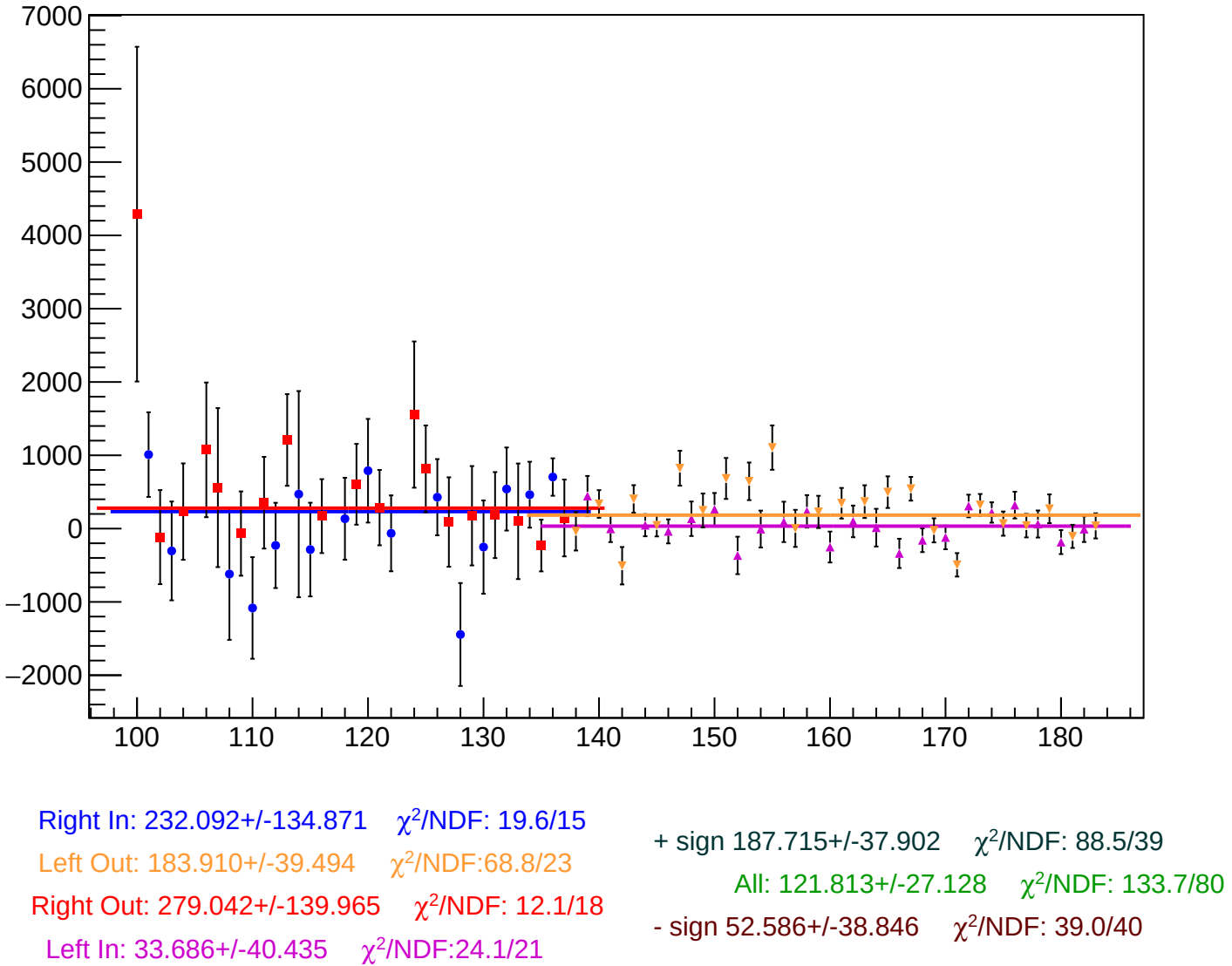
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

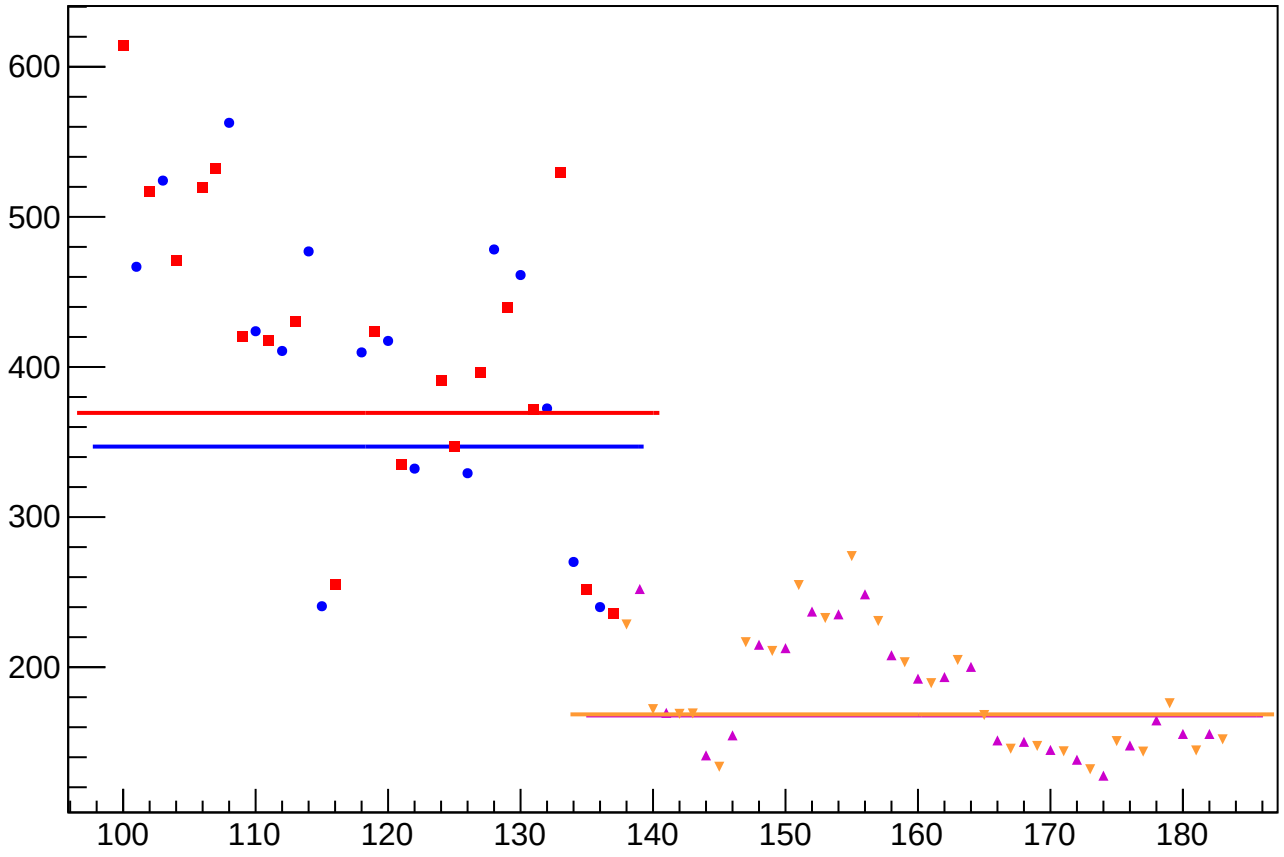
Left In: 20.011+/-0.003 χ^2/NDF:266064.2/21

+ sign 21.103+/-0.003 χ^2/NDF: 1678550.0/39

All: 21.183+/-0.002 χ^2/NDF: 3497227.7/80

- sign 21.267+/-0.003 χ^2/NDF: 1817190.3/40


asym_sam_1357_2468_dd_reg_correction_mean vs Slug
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: 232.092+/-134.871 χ²/NDF: 19.6/15
Left Out: 183.910+/-39.494 χ²/NDF:68.8/23
Right Out: 279.042+/-139.965 χ²/NDF: 12.1/18
Left In: 33.686+/-40.435 χ²/NDF:24.1/21
+ sign 187.715+/-37.902 χ²/NDF: 88.5/39
All: 121.813+/-27.128 χ²/NDF: 133.7/80
- sign 52.586+/-38.846 χ²/NDF: 39.0/40



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 168.556+/-0.028 χ^2/NDF:1541380.6/23

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

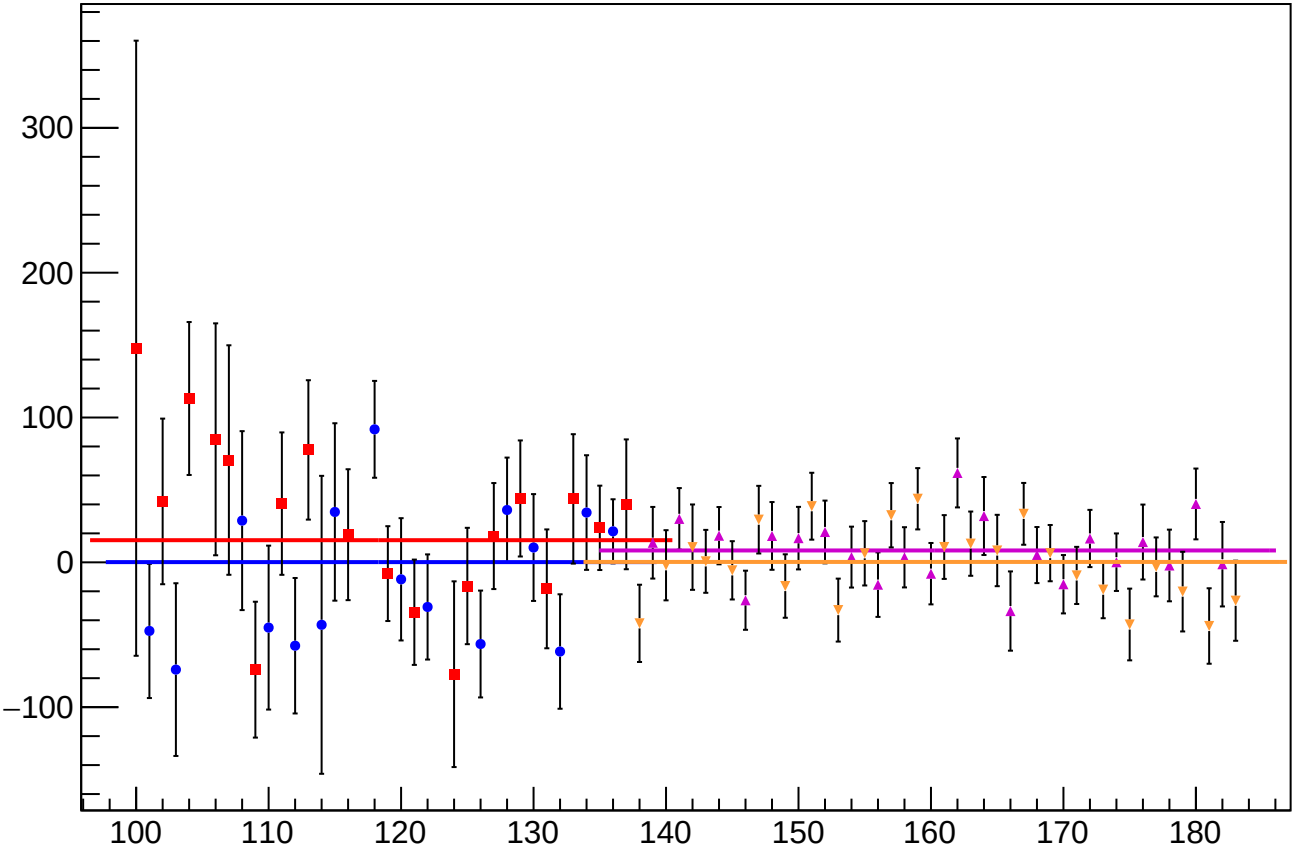
Left In: 167.836+/-0.029 χ^2/NDF:1402601.5/21

+ sign 182.647+/-0.027 χ^2/NDF: 5822826.6/39

All: 182.996+/-0.019 χ^2/NDF: 11973311.3/80

- sign 183.363+/-0.027 χ^2/NDF: 6150136.1/40

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.278+/-4.617 χ^2/NDF:28.2/23

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

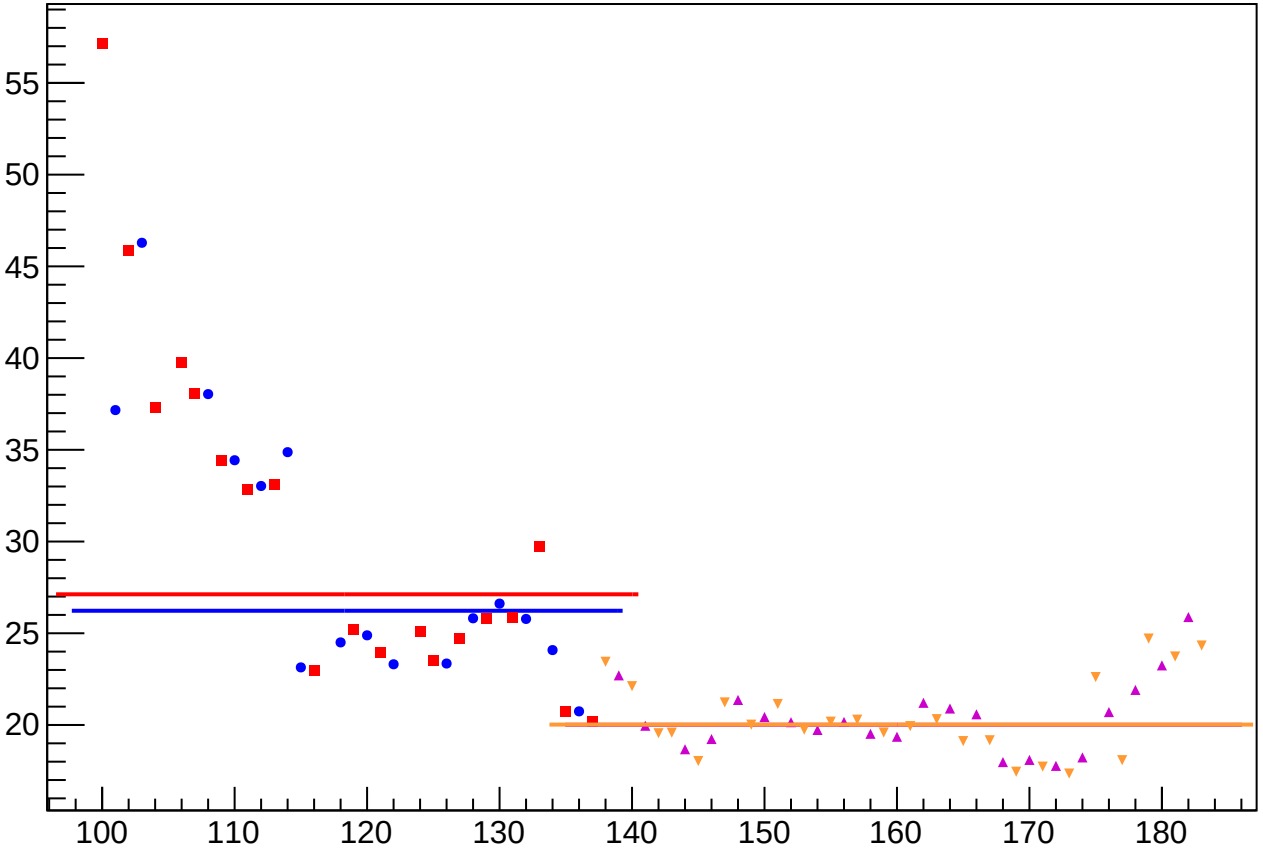
Left In: 8.203+/-4.746 χ^2/NDF:18.6/21

+ sign 0.257+/-4.195 χ^2/NDF: 49.5/39

All: 4.732+/-3.006 χ^2/NDF: 88.8/80

- sign 9.451+/-4.308 χ^2/NDF: 36.9/40

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.021+/-0.003 χ^2/NDF:372602.3/23

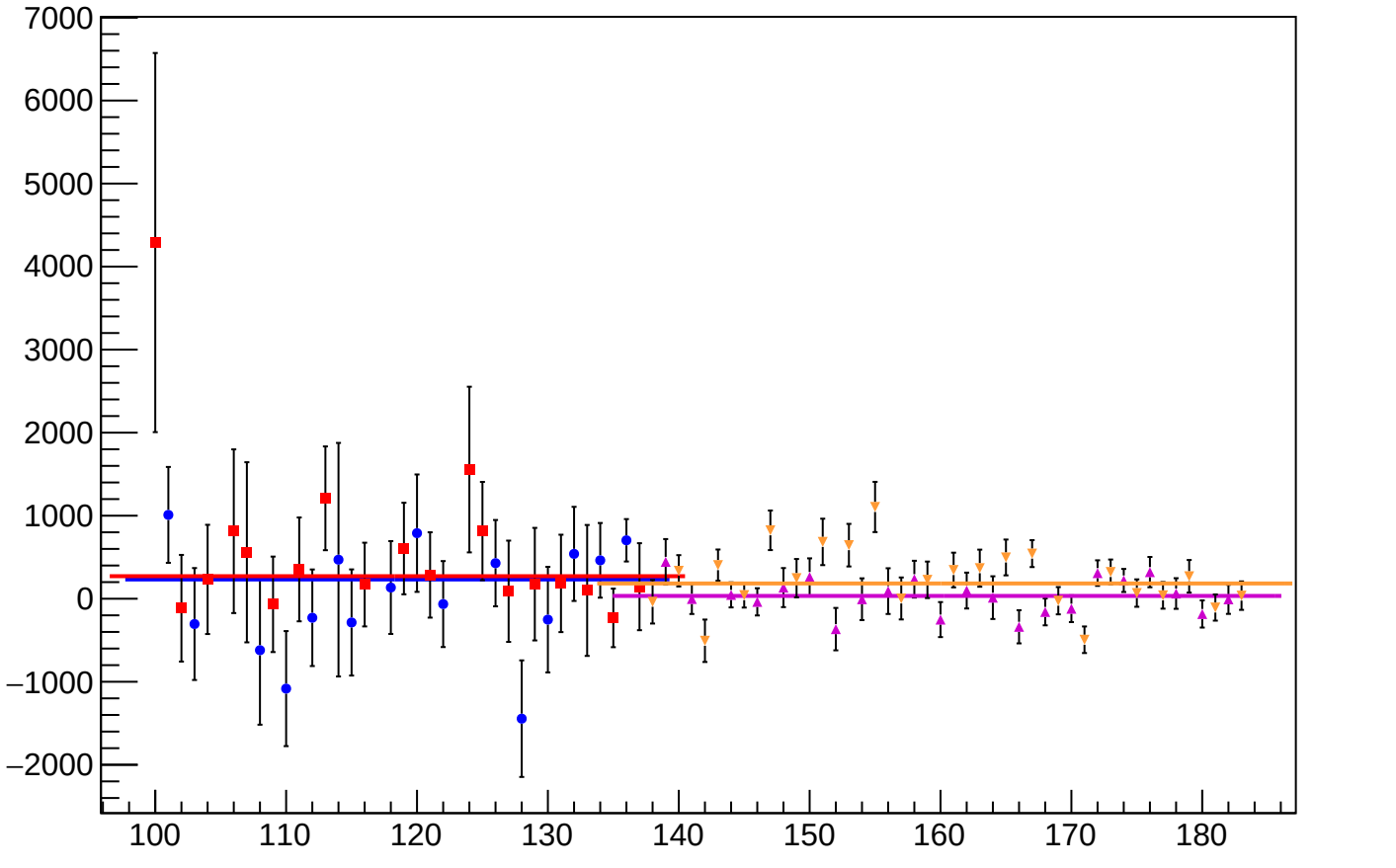
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.011+/-0.003 χ^2/NDF:266064.2/21

+ sign 21.103+/-0.003 χ^2/NDF: 1678553.3/39

All: 21.181+/-0.002 χ^2/NDF: 3482314.2/80

- sign 21.263+/-0.003 χ^2/NDF: 1802348.8/40



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 183.908+/-39.494 χ^2/NDF:68.8/23

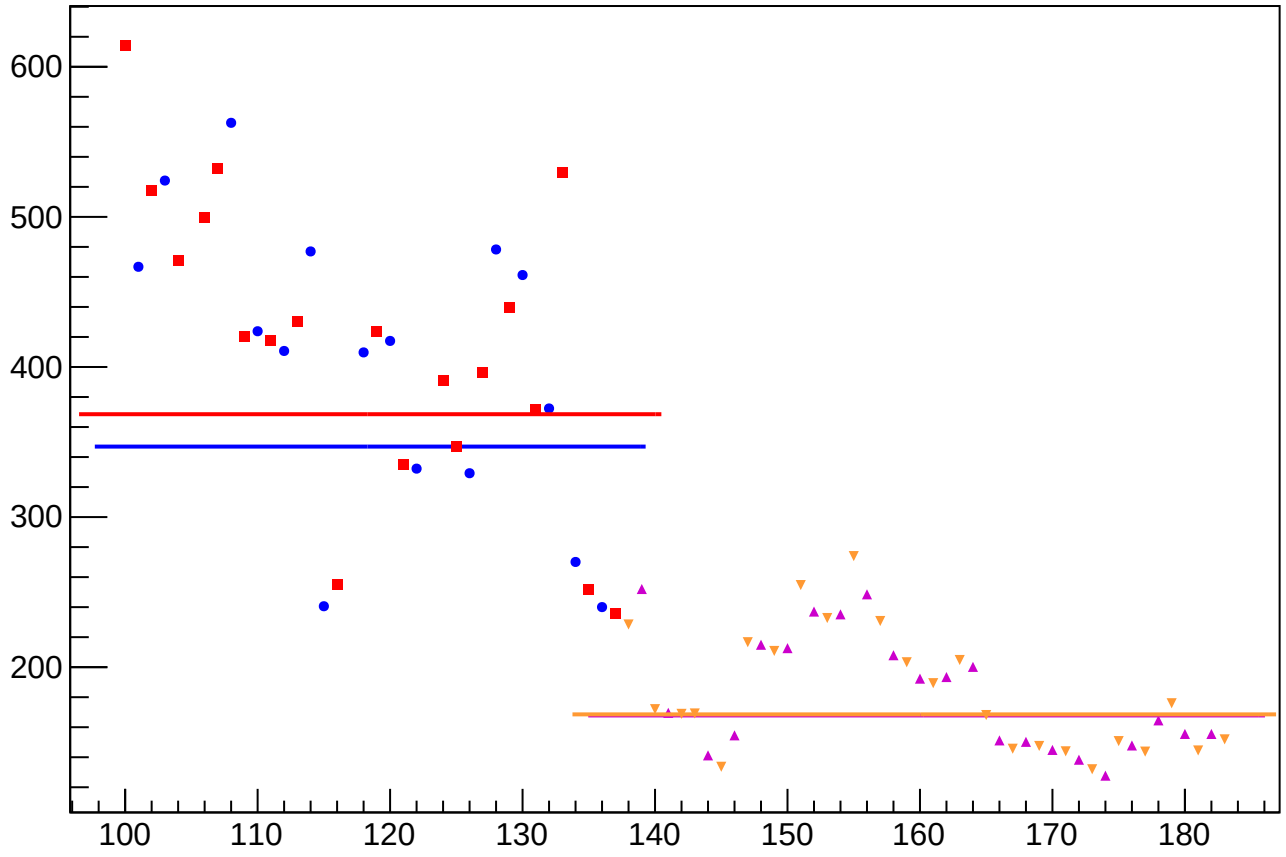
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 33.687+/-40.435 χ^2/NDF:24.1/21

\+ sign 187.713+/-37.902 χ^2/NDF: 88.5/39

All: 121.508+/-27.130 χ^2/NDF: 133.1/80

\- sign 51.947+/-38.851 χ^2/NDF: 38.3/40



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 168.556+/-0.028 χ^2/NDF:1541380.6/23

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

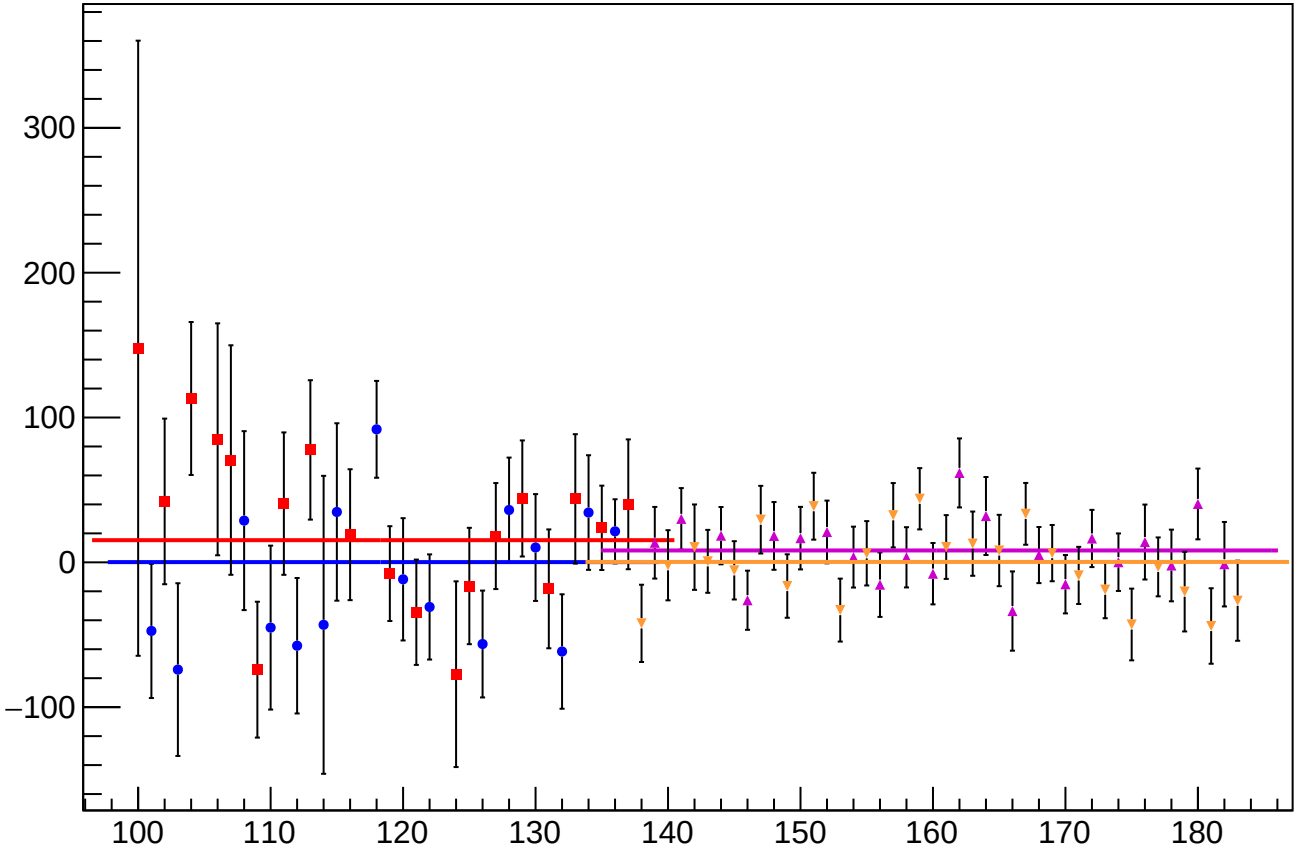
Left In: 167.836+/-0.029 χ^2/NDF:1402597.4/21

+ sign 182.646+/-0.027 χ^2/NDF: 5822851.5/39

All: 182.942+/-0.019 χ^2/NDF: 11910862.2/80

- sign 183.252+/-0.027 χ^2/NDF: 6087761.7/40

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.278+/-4.617 χ^2/NDF:28.2/23

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

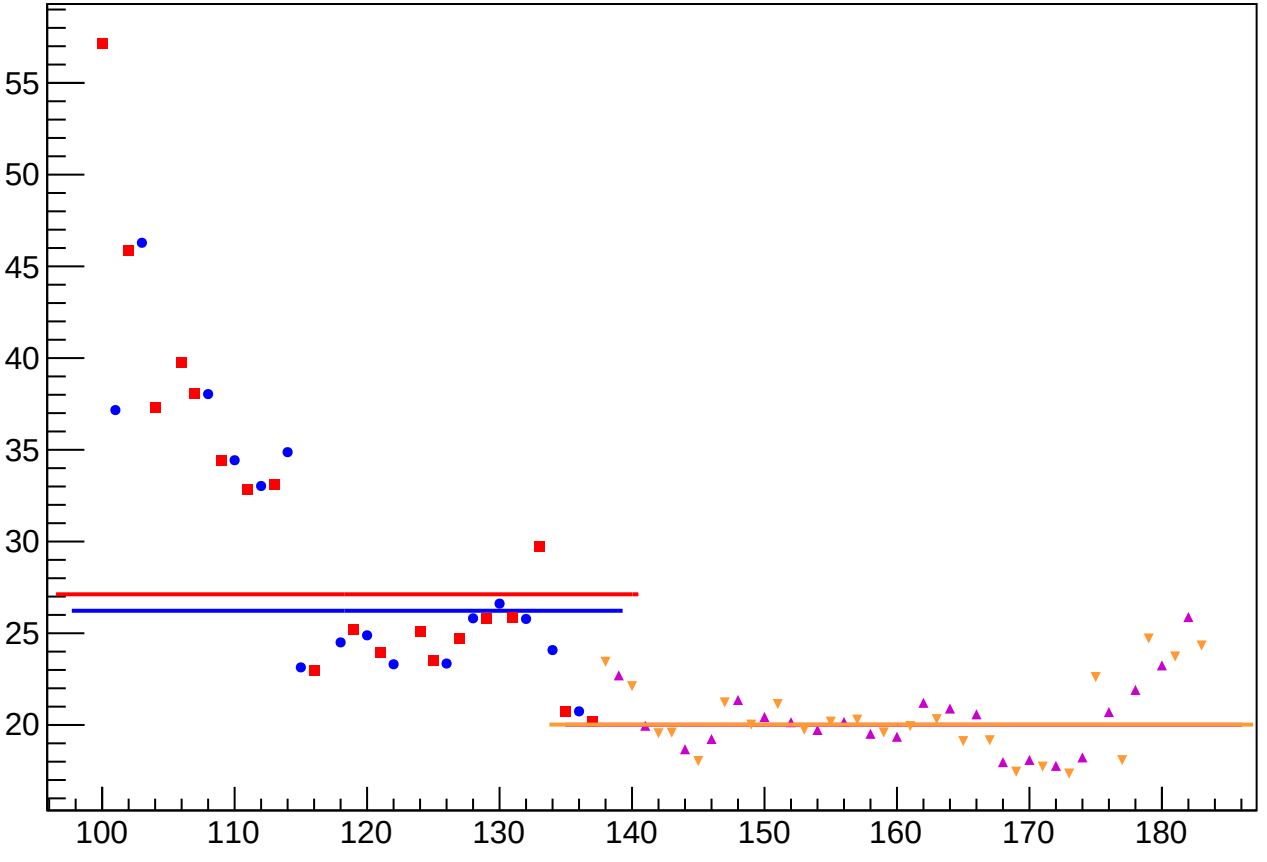
Left In: 8.203+/-4.746 χ^2/NDF:18.6/21

+ sign 0.257+/-4.195 χ^2/NDF: 49.5/39

All: 4.732+/-3.006 χ^2/NDF: 88.8/80

- sign 9.451+/-4.308 χ^2/NDF: 36.9/40

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.021+/-0.003 χ^2/NDF:372602.3/23

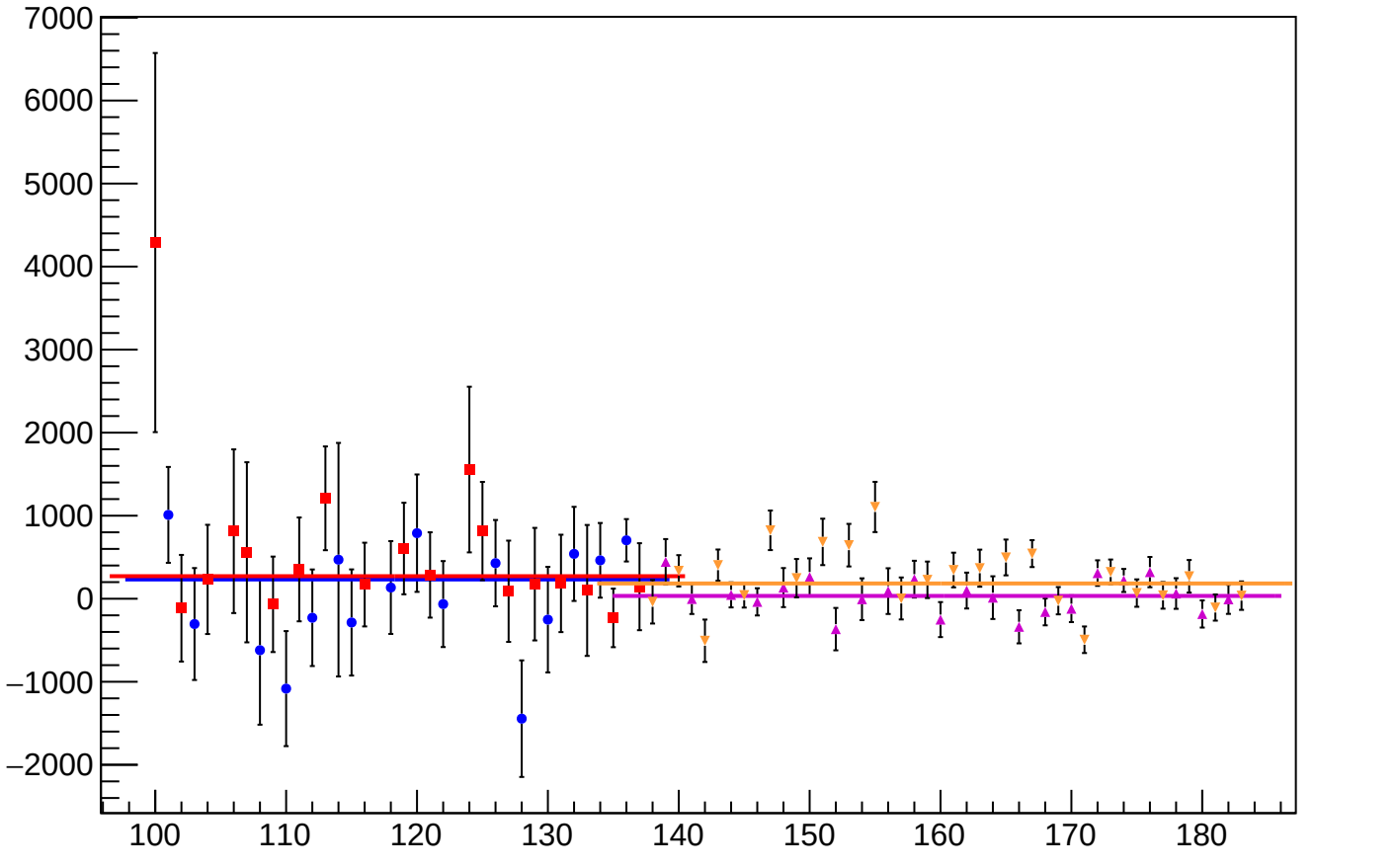
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.011+/-0.003 χ^2/NDF:266064.2/21

+ sign 21.103+/-0.003 χ^2/NDF: 1678553.3/39

All: 21.181+/-0.002 χ^2/NDF: 3482314.2/80

- sign 21.263+/-0.003 χ^2/NDF: 1802348.8/40



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 183.908+/-39.494 χ^2/NDF:68.8/23

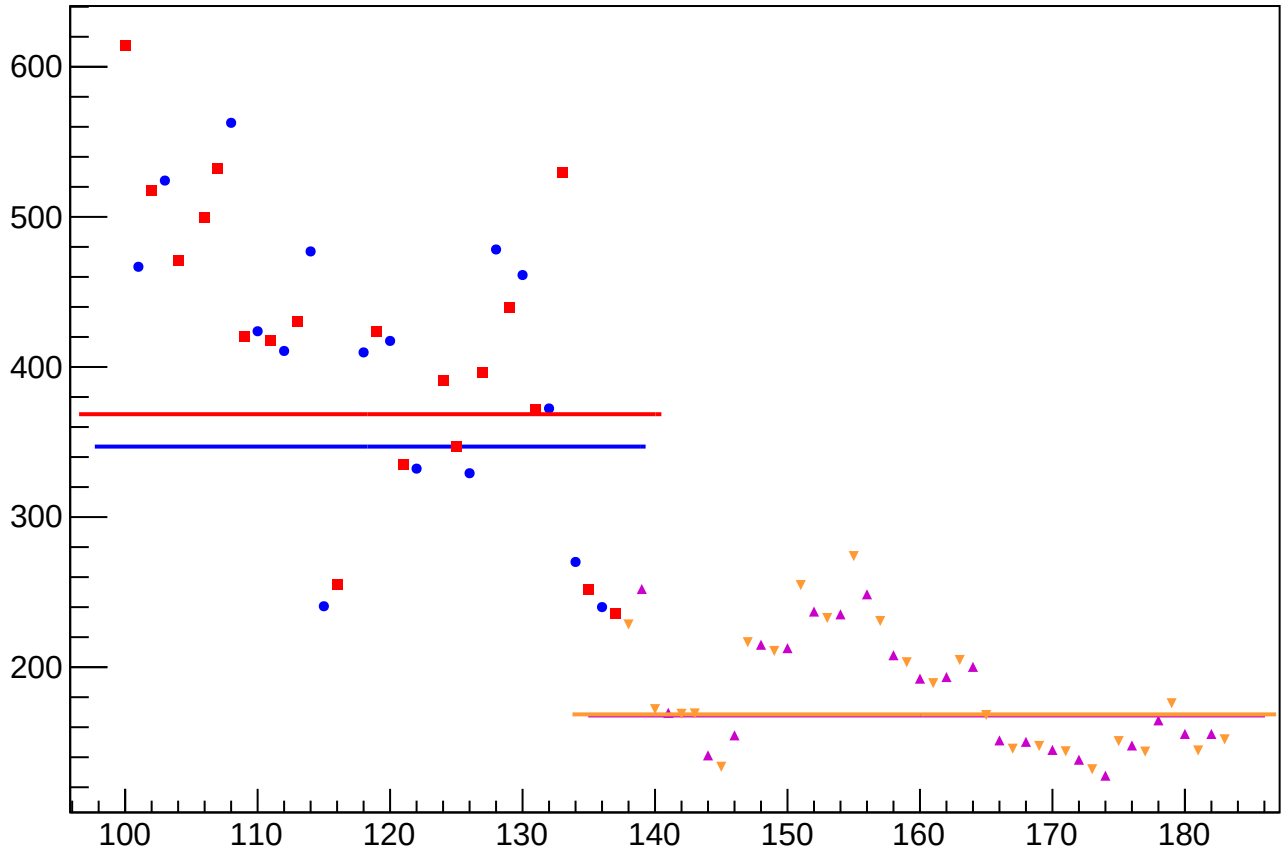
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 33.687+/-40.435 χ^2/NDF:24.1/21

+ sign 187.713+/-37.902 χ^2/NDF: 88.5/39

All: 121.508+/-27.130 χ^2/NDF: 133.1/80

- sign 51.947+/-38.851 χ^2/NDF: 38.3/40



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 168.556+/-0.028 χ^2/NDF:1541380.6/23

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

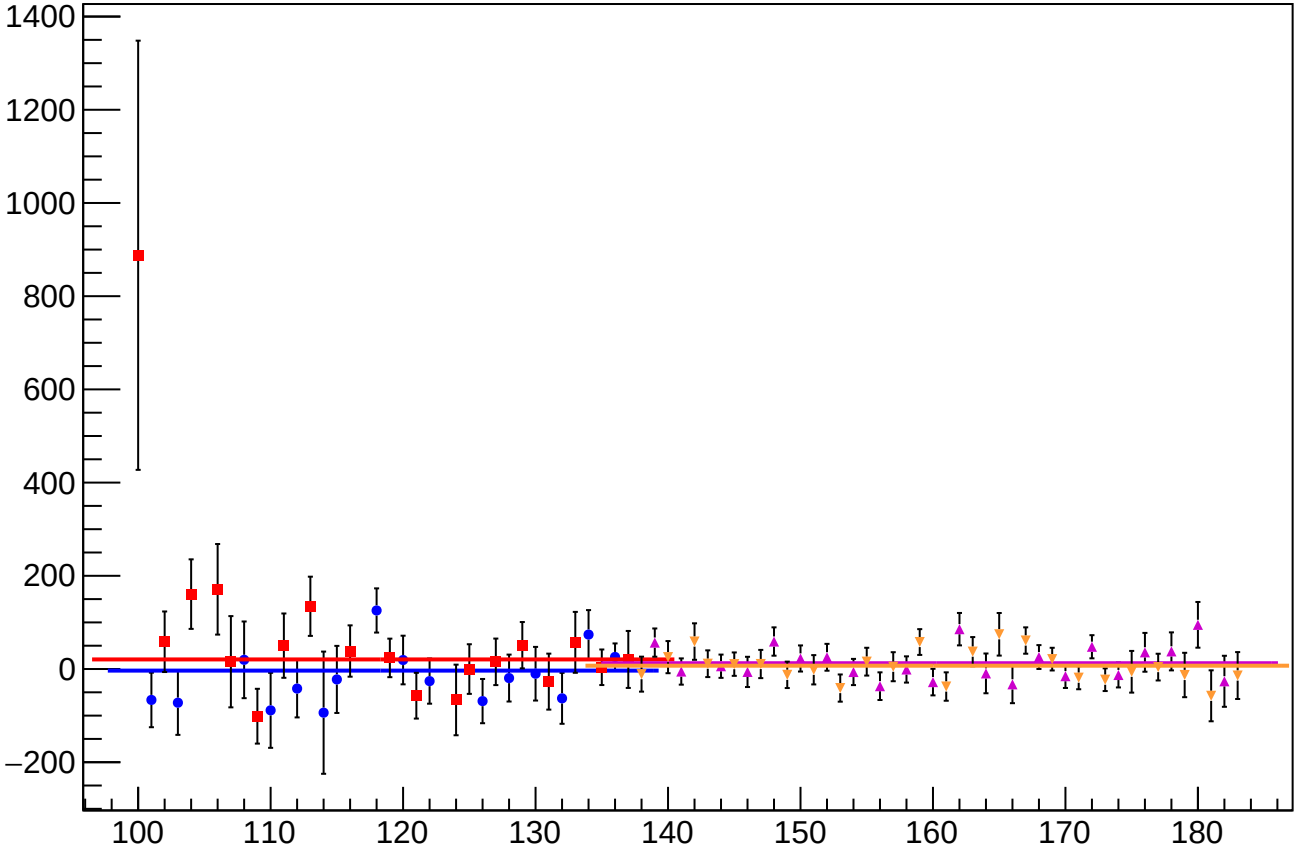
Left In: 167.836+/-0.029 χ^2/NDF:1402597.4/21

+ sign 182.646+/-0.027 χ^2/NDF: 5822851.5/39

All: 182.942+/-0.019 χ^2/NDF: 11910862.2/80

- sign 183.252+/-0.027 χ^2/NDF: 6087761.7/40

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 7.103+/-6.362 χ^2/NDF:22.7/23

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

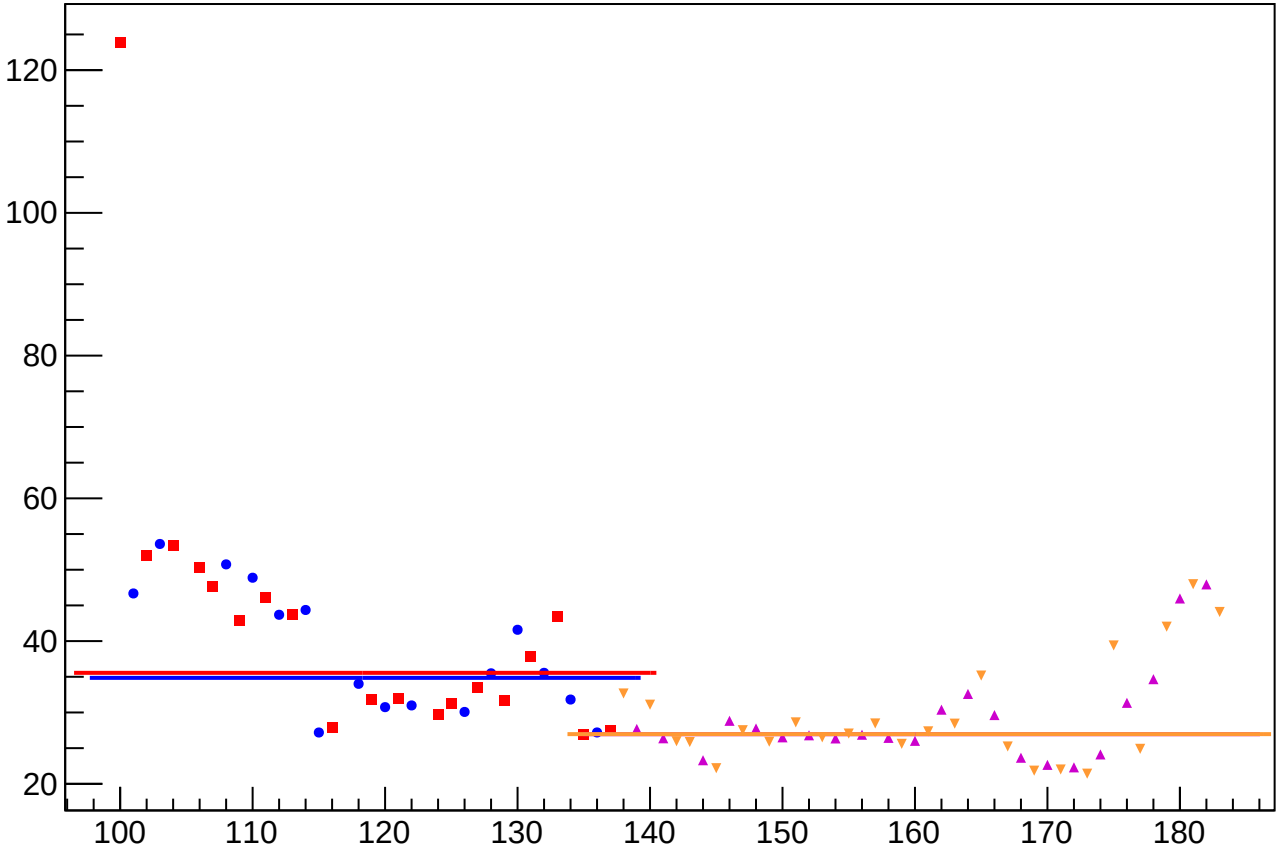
Left In: 12.413+/-6.541 χ^2/NDF:25.4/21

+ sign 5.165+/-5.747 χ^2/NDF: 41.7/39

All: 9.463+/-4.111 χ^2/NDF: 91.7/80

- sign 13.969+/-5.884 χ^2/NDF: 48.8/40

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.964+/-0.004 χ^2/NDF:1409816.5/23

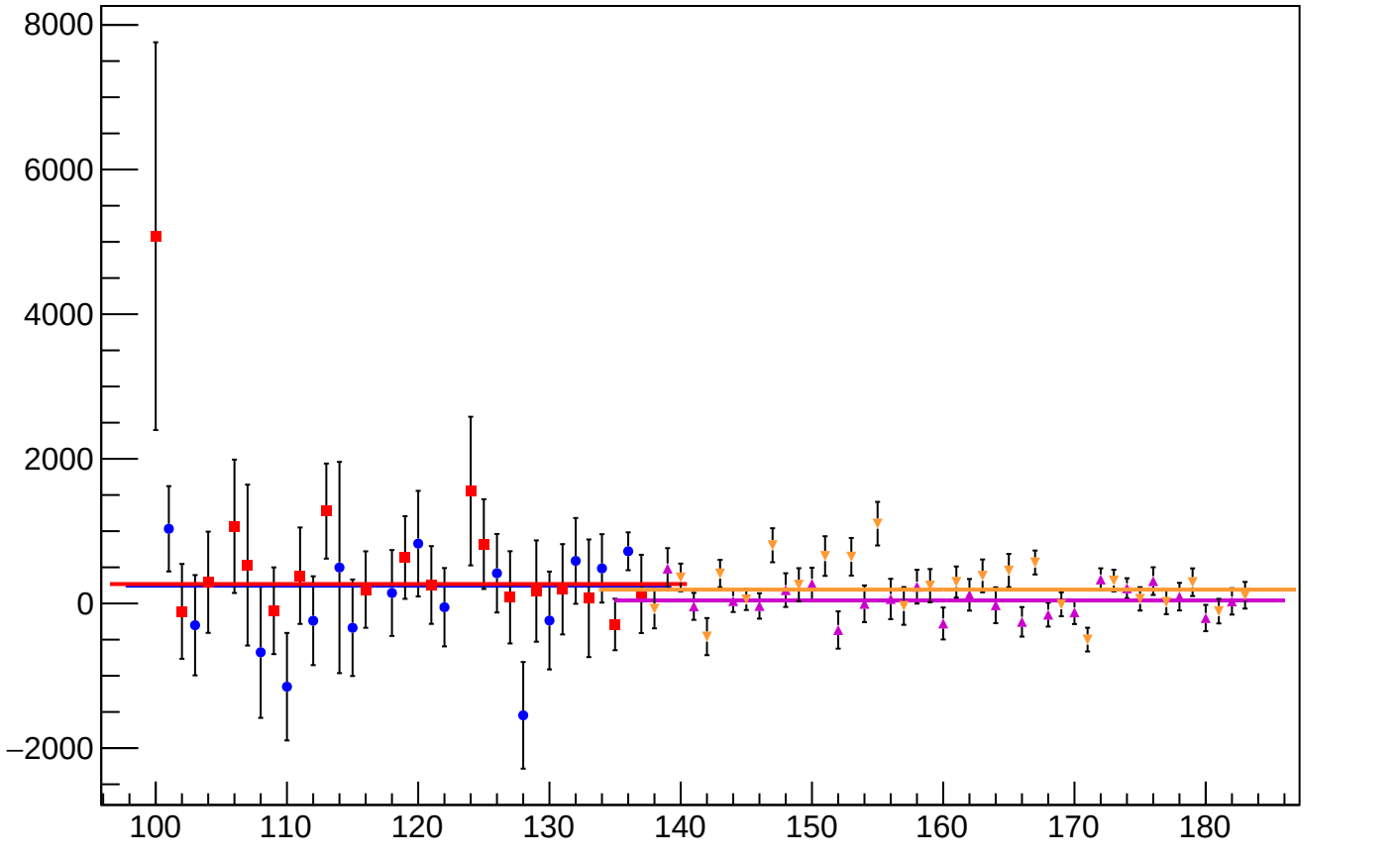
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.955+/-0.005 χ^2/NDF:991567.6/21

+ sign 28.416+/-0.004 χ^2/NDF: 2633730.1/39

All: 28.503+/-0.003 χ^2/NDF: 5065177.8/80

- sign 28.594+/-0.004 χ^2/NDF: 2430513.0/40



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 192.027+/-40.160 χ^2/NDF:65.6/23

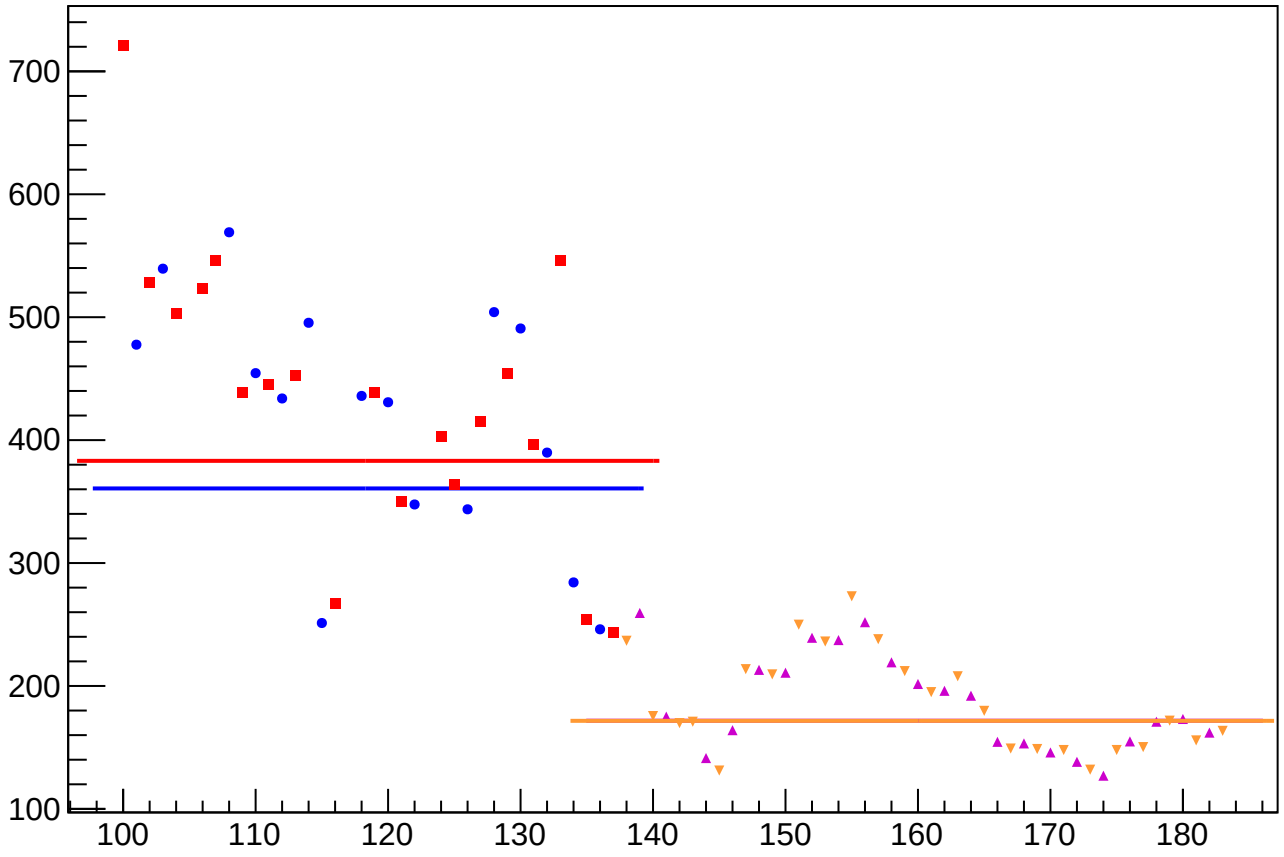
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 42.261+/-41.382 χ^2/NDF:23.2/21

+ sign 196.154+/-38.609 χ^2/NDF: 85.5/39

All: 129.789+/-27.712 χ^2/NDF: 129.7/80

- sign 59.267+/-39.799 χ^2/NDF: 38.1/40



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 171.634+/-0.028 χ^2/NDF:1523578.3/23

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

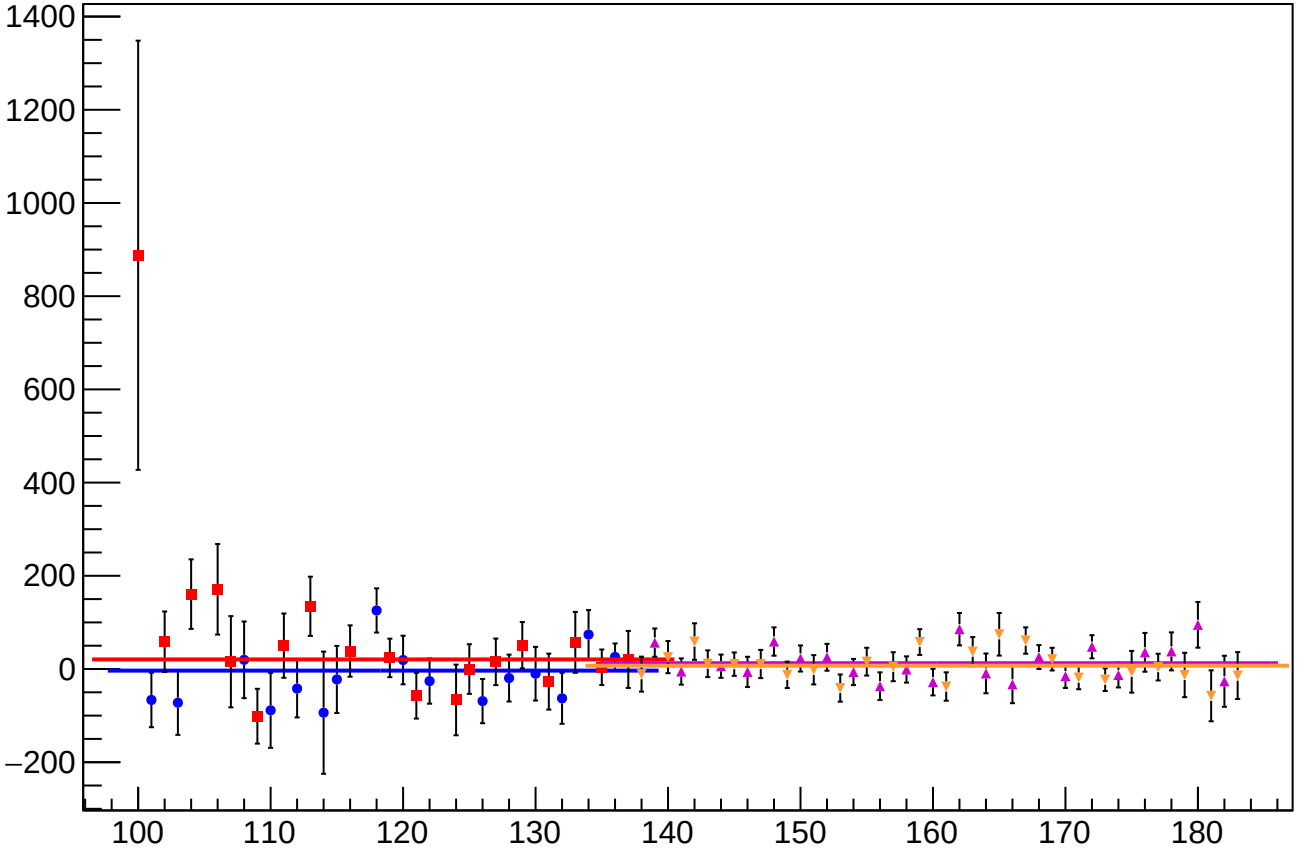
Left In: 171.727+/-0.029 χ^2/NDF:1412409.9/21

+ sign 185.956+/-0.027 χ^2/NDF: 5974097.9/39

All: 186.748+/-0.020 χ^2/NDF: 12267713.9/80

- sign 187.589+/-0.028 χ^2/NDF: 6291880.6/40

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 7.103+/-6.362 χ^2/NDF:22.7/23

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

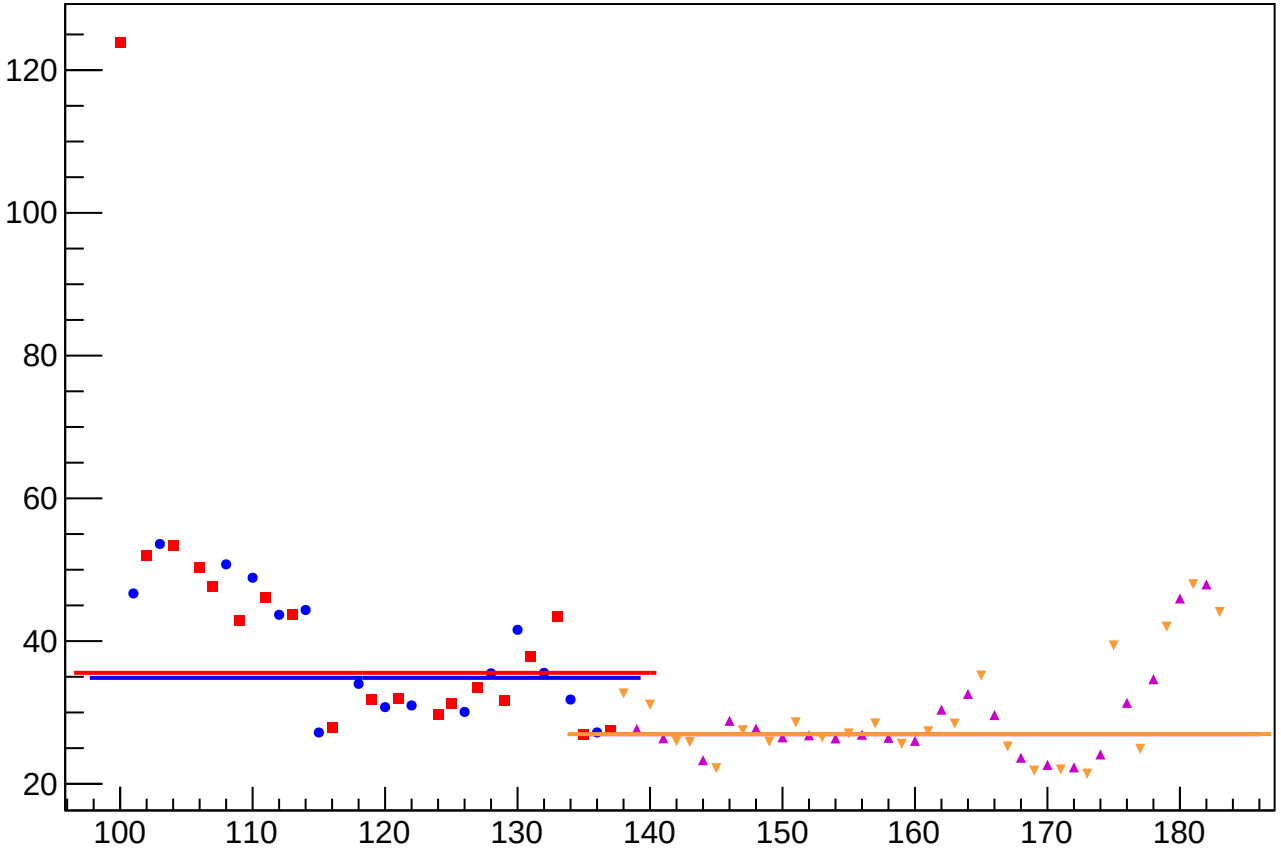
Left In: 12.413+/-6.541 χ^2/NDF:25.4/21

+ sign 5.165+/-5.747 χ^2/NDF: 41.7/39

All: 9.463+/-4.111 χ^2/NDF: 91.7/80

- sign 13.969+/-5.884 χ^2/NDF: 48.8/40

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.965+/-0.004 χ^2/NDF:1409828.5/23

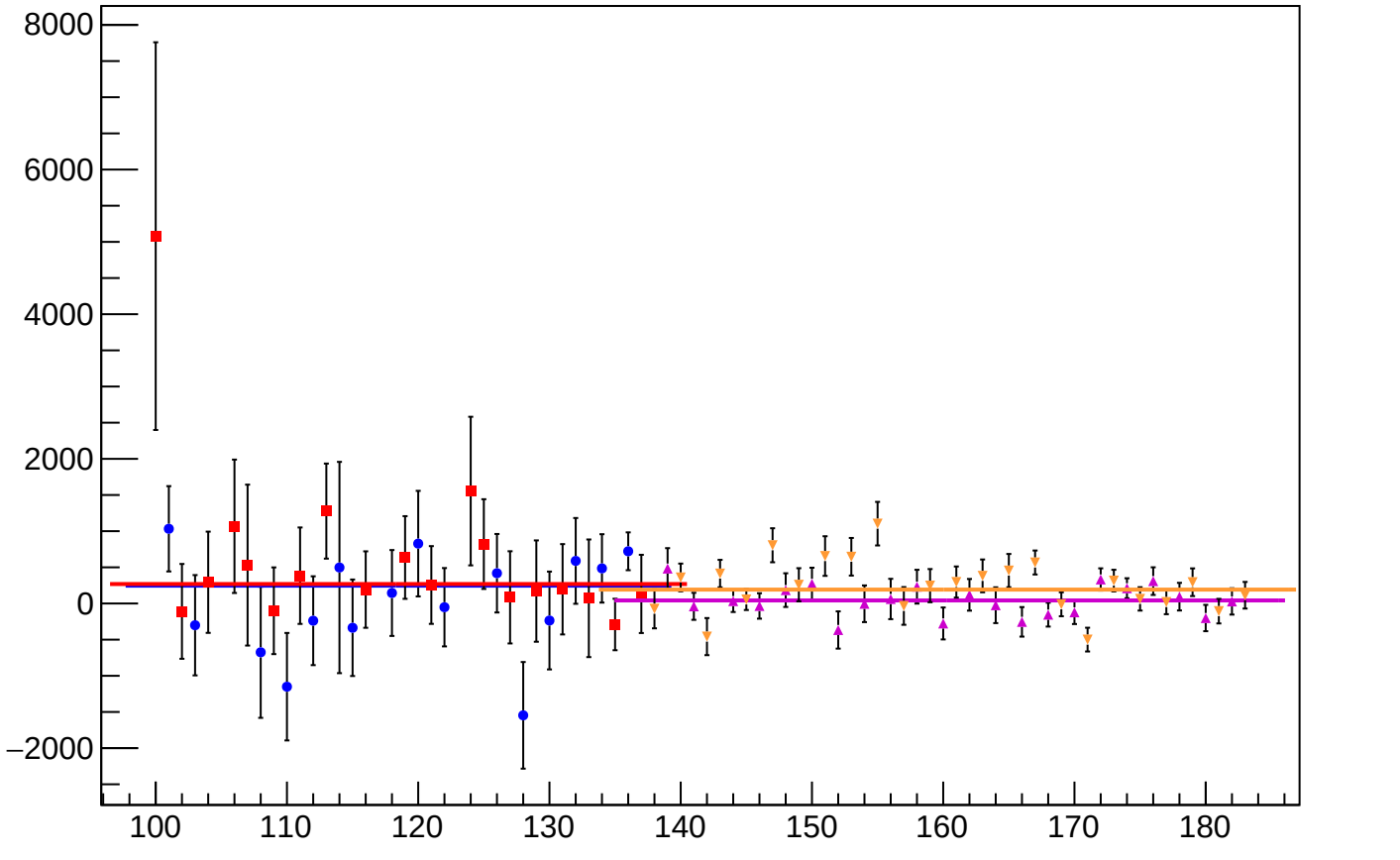
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.955+/-0.005 χ^2/NDF:991546.2/21

+ sign 28.416+/-0.004 χ^2/NDF: 2633619.3/39

All: 28.503+/-0.003 χ^2/NDF: 5064956.0/80

- sign 28.594+/-0.004 χ^2/NDF: 2430402.2/40



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 192.027+/-40.160 χ^2/NDF:65.6/23

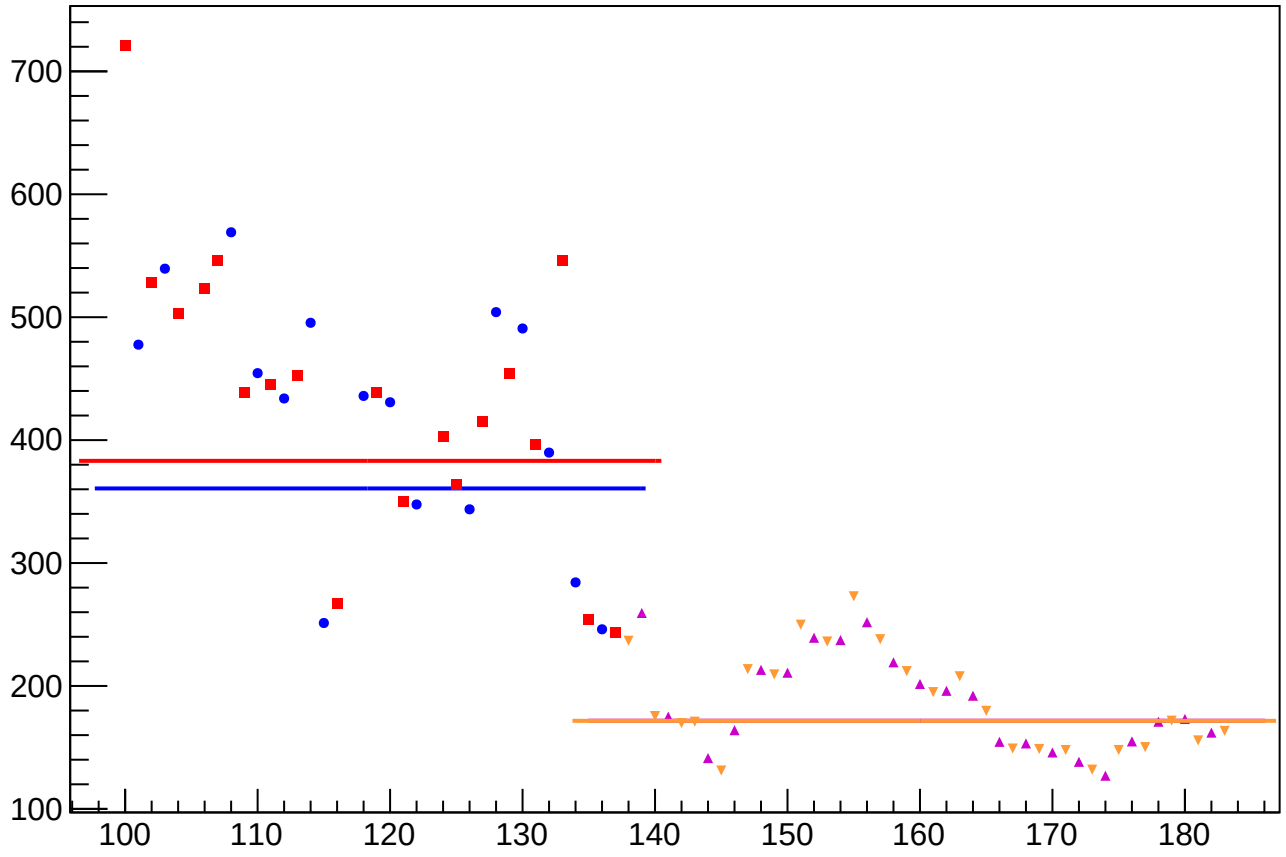
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 42.261+/-41.382 χ^2/NDF:23.2/21

+ sign 196.154+/-38.609 χ^2/NDF: 85.5/39

All: 129.789+/-27.712 χ^2/NDF: 129.7/80

- sign 59.267+/-39.799 χ^2/NDF: 38.1/40



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 171.633+/-0.028 χ^2/NDF:1523595.3/23

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

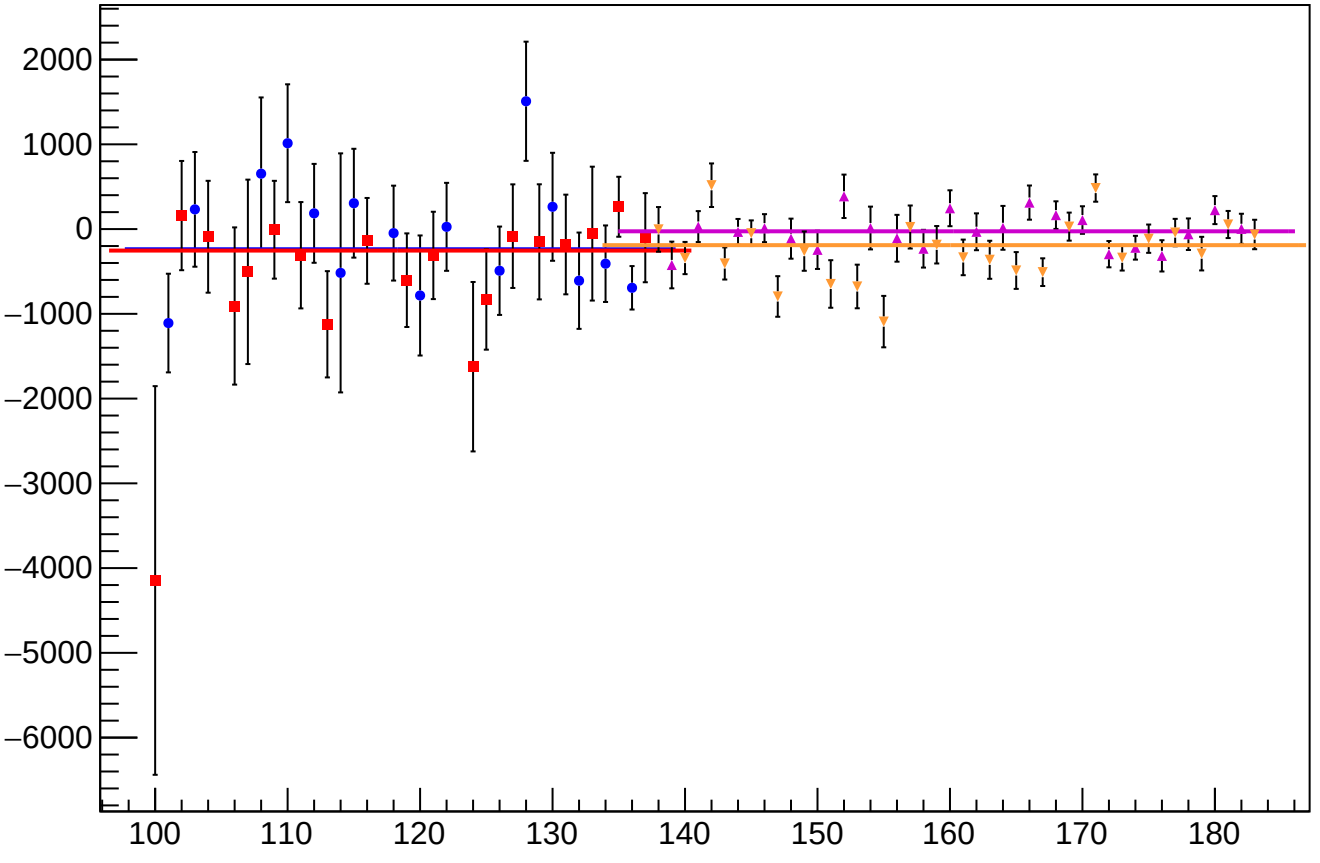
Left In: 171.727+/-0.029 χ^2/NDF:1412422.8/21

+ sign 185.956+/-0.027 χ^2/NDF: 5974113.8/39

All: 186.747+/-0.020 χ^2/NDF: 12267749.2/80

- sign 187.589+/-0.028 χ^2/NDF: 6291900.2/40

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -189.728+/-39.811 χ^2/NDF:64.2/23

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

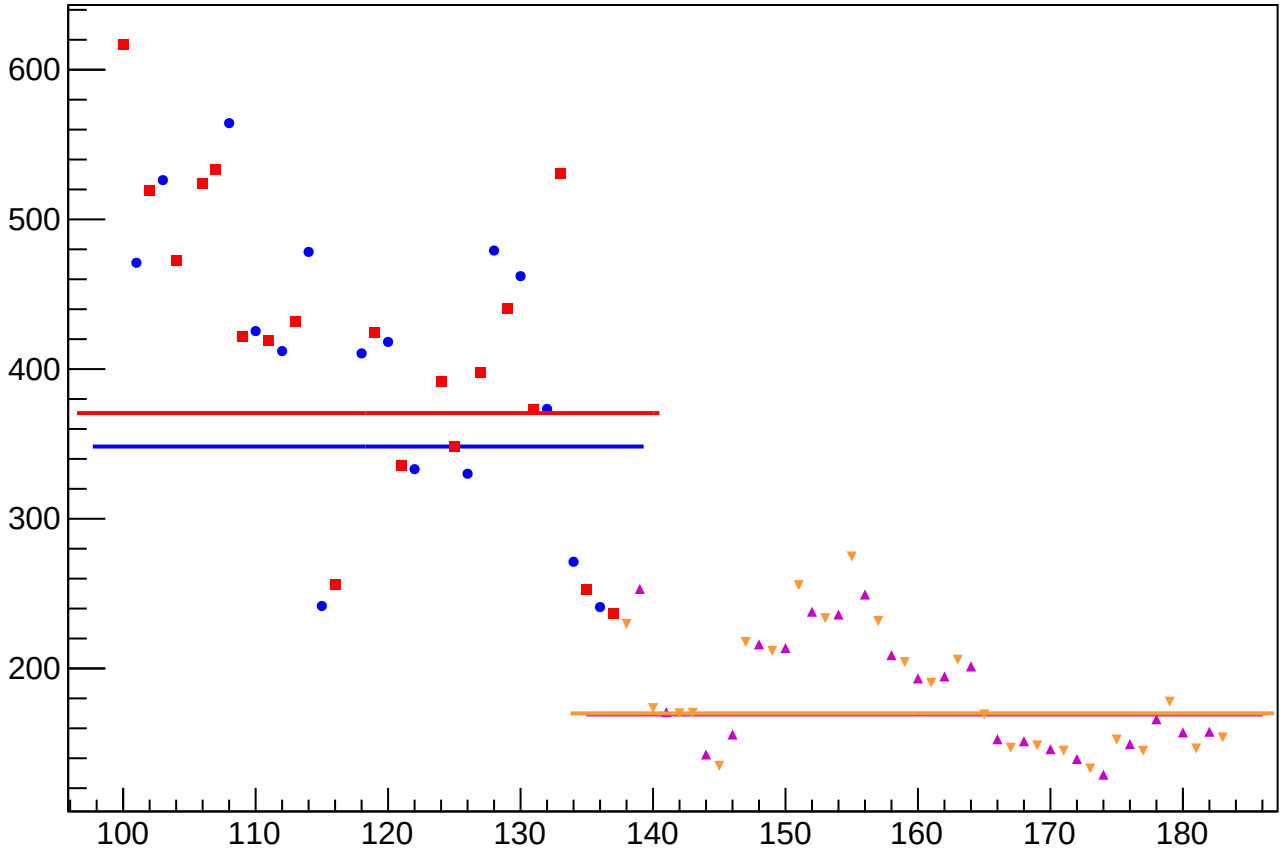
Left In: -26.180+/-40.760 χ^2/NDF:23.1/21

+ sign -193.575+/-38.193 χ^2/NDF: 84.3/39

All: -120.549+/-27.337 χ^2/NDF: 129.1/80

- sign -43.842+/-39.144 χ^2/NDF: 37.3/40

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 169.990+/-0.028 χ^2/NDF:1510873.2/23

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

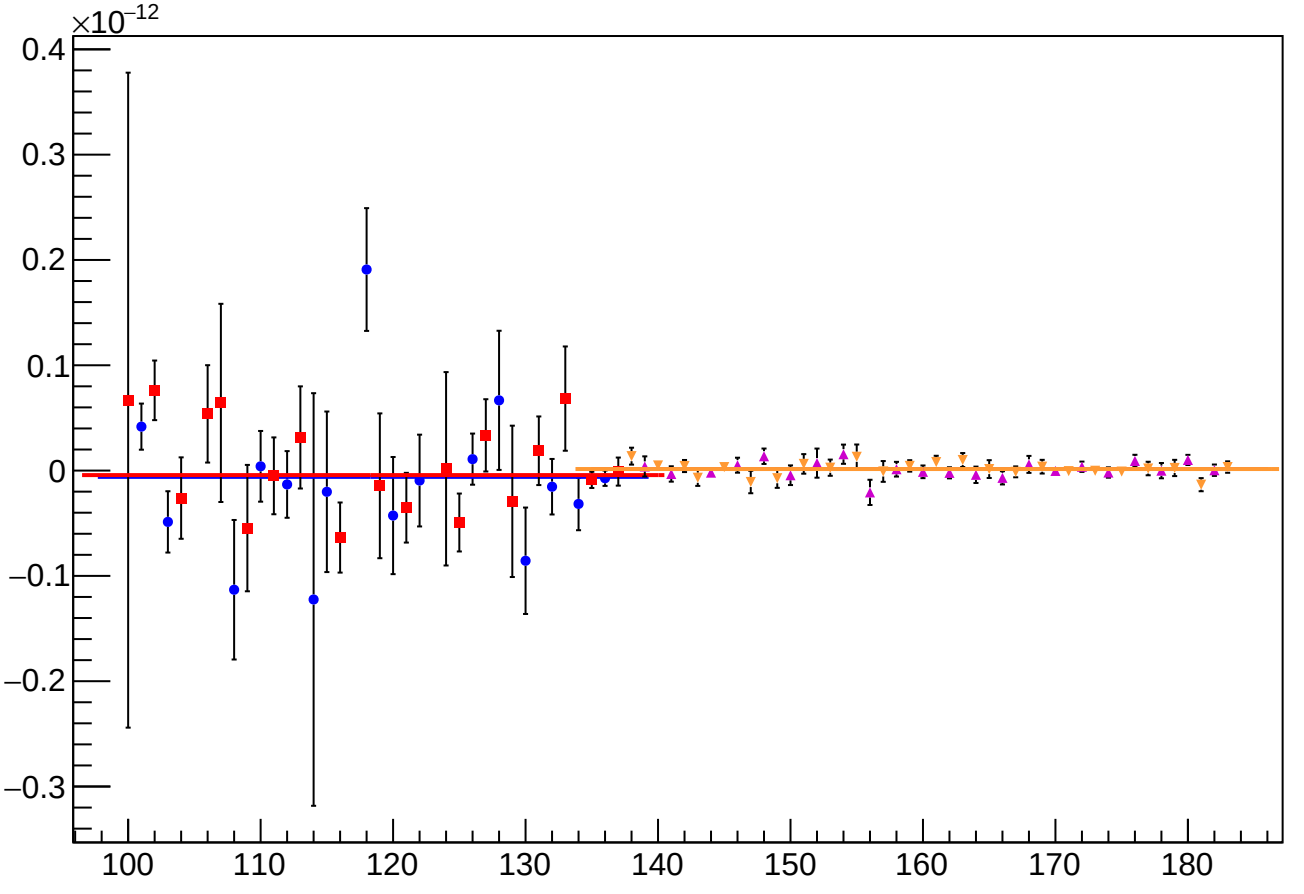
Left In: 169.260+/-0.029 χ^2/NDF:1374078.6/21

+ sign 184.185+/-0.027 χ^2/NDF: 5760723.6/39

All: 184.537+/-0.019 χ^2/NDF: 11845090.1/80

- sign 184.906+/-0.028 χ^2/NDF: 6084018.6/40

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/23

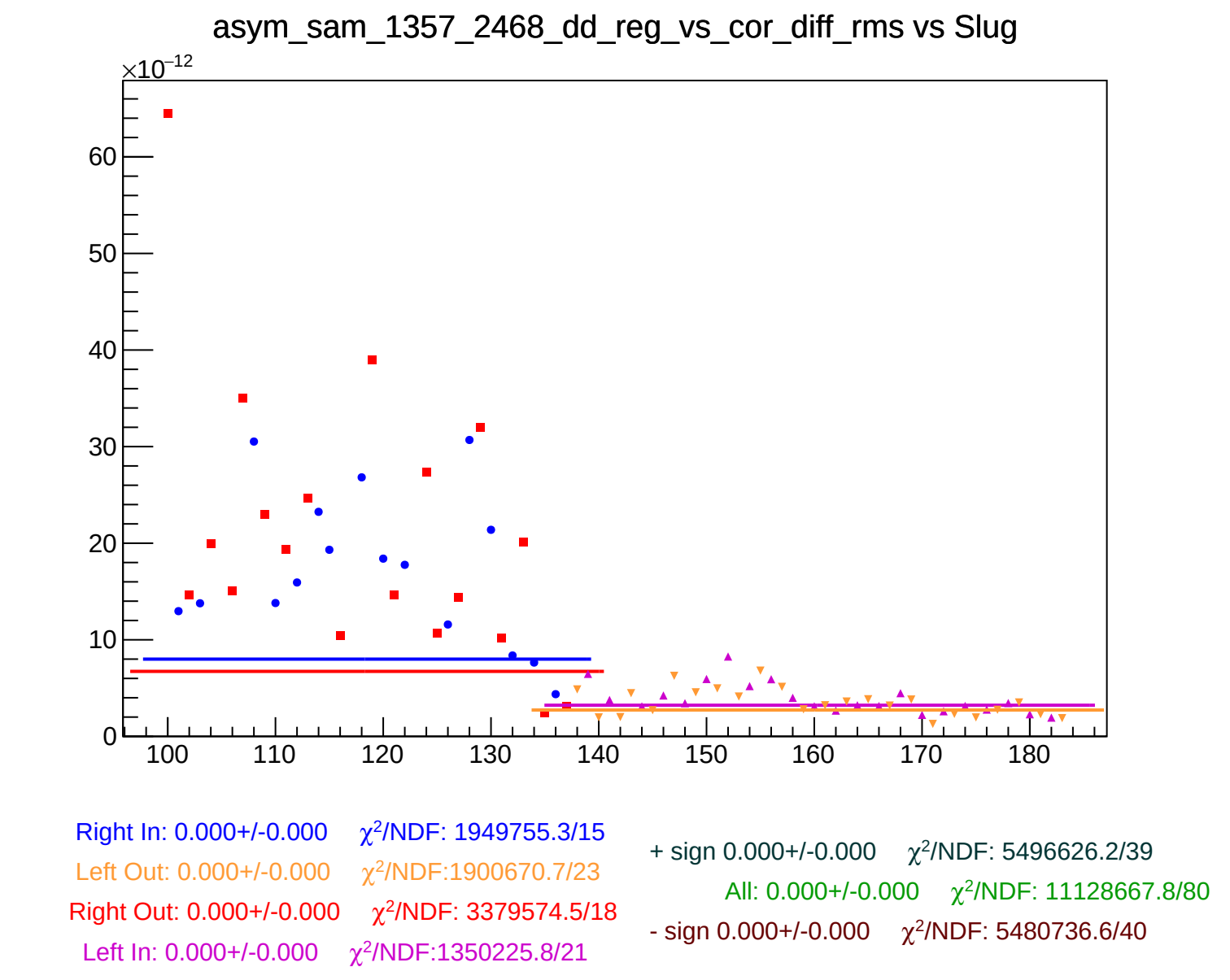
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/21

+ sign 0.000+/-0.000 χ^2/NDF: 47.5/39

All: 0.000+/-0.000 χ^2/NDF: 90.9/80

- sign 0.000+/-0.000 χ^2/NDF: 43.4/40


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
60
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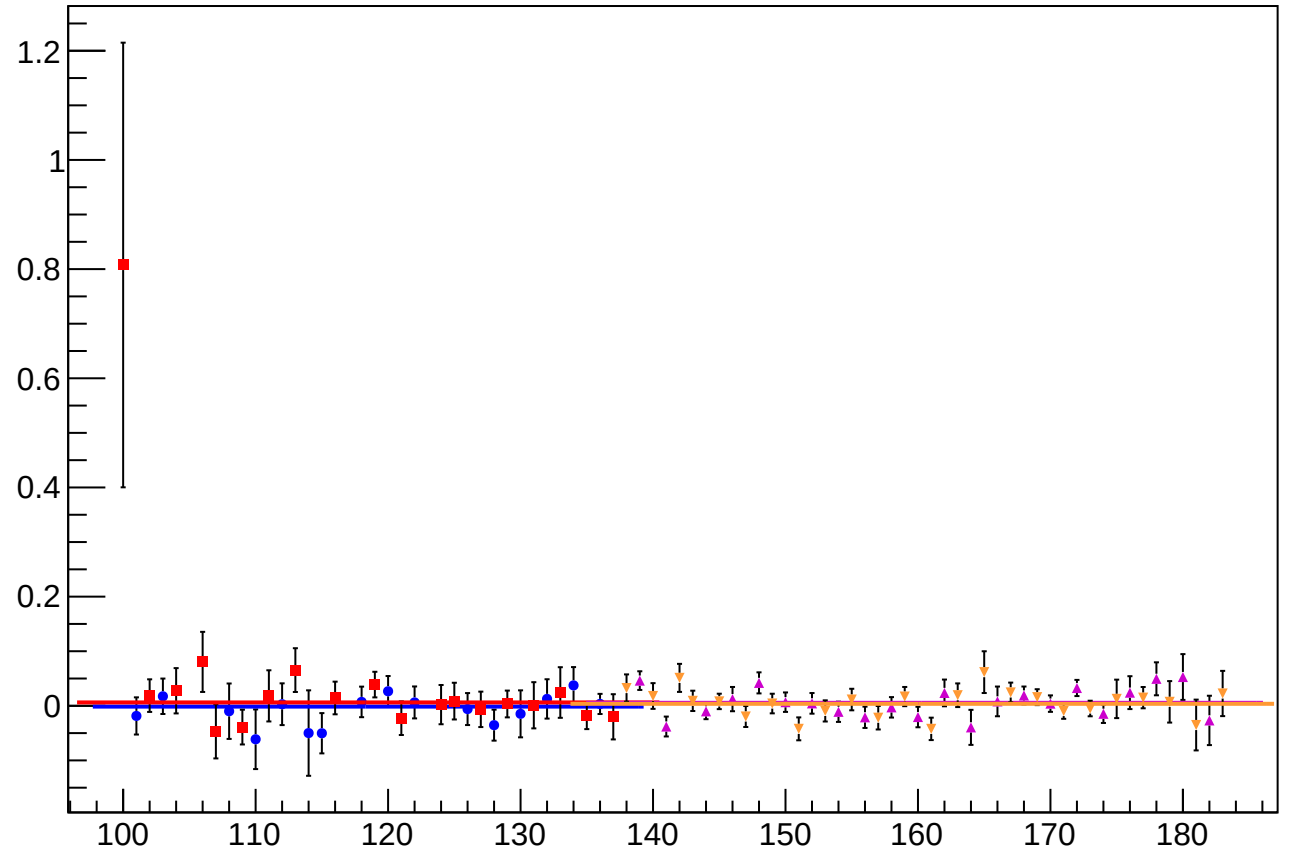
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1900670.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:1350225.8/21
+ sign 0.000+/-0.000 χ²/NDF: 5496626.2/39
All: 0.000+/-0.000 χ²/NDF: 11128667.8/80
- sign 0.000+/-0.000 χ²/NDF: 5480736.6/40



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

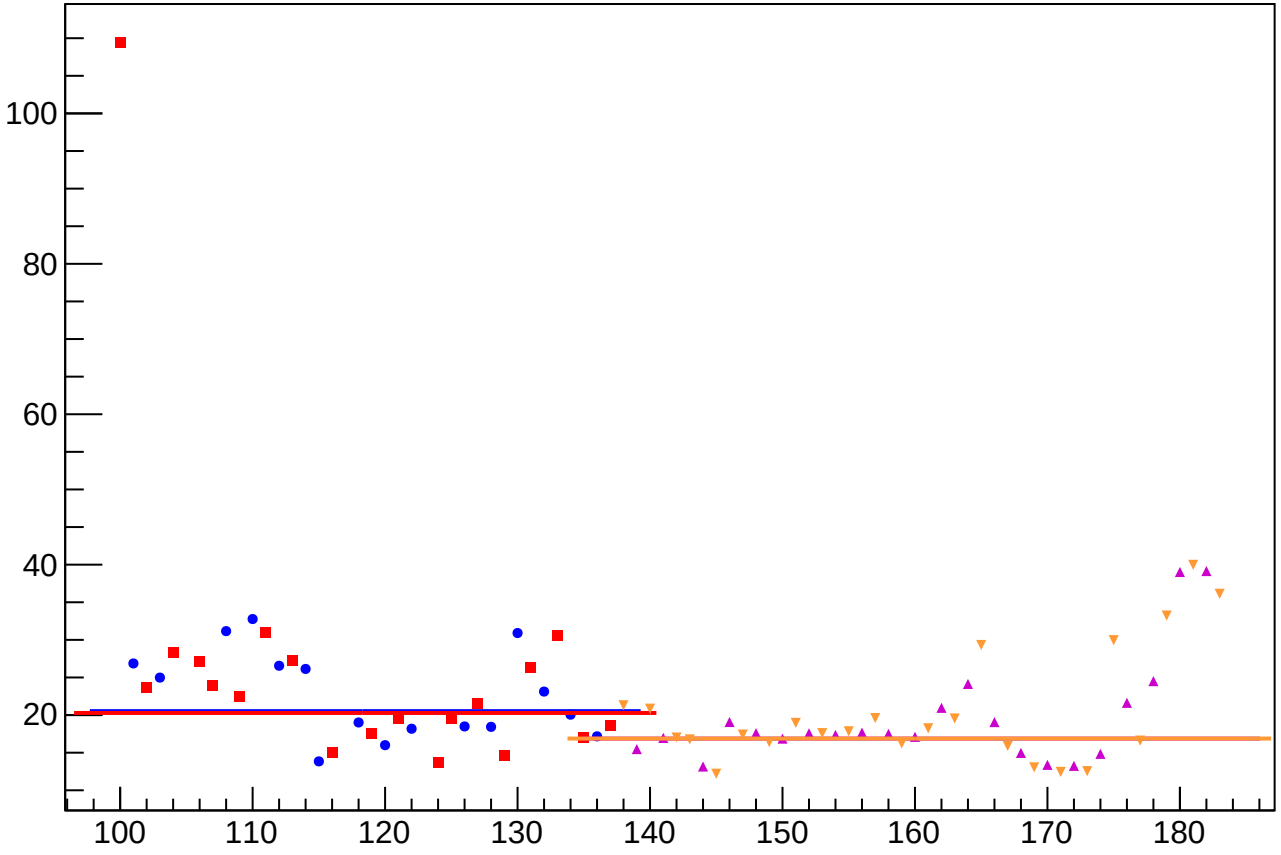
Left In: 0.005+/-0.004 χ^2/NDF:33.2/21

+ sign 0.003+/-0.004 χ^2/NDF: 35.1/39

All: 0.004+/-0.003 χ^2/NDF: 84.9/80

- sign 0.006+/-0.004 χ^2/NDF: 49.5/40

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746850.1/23

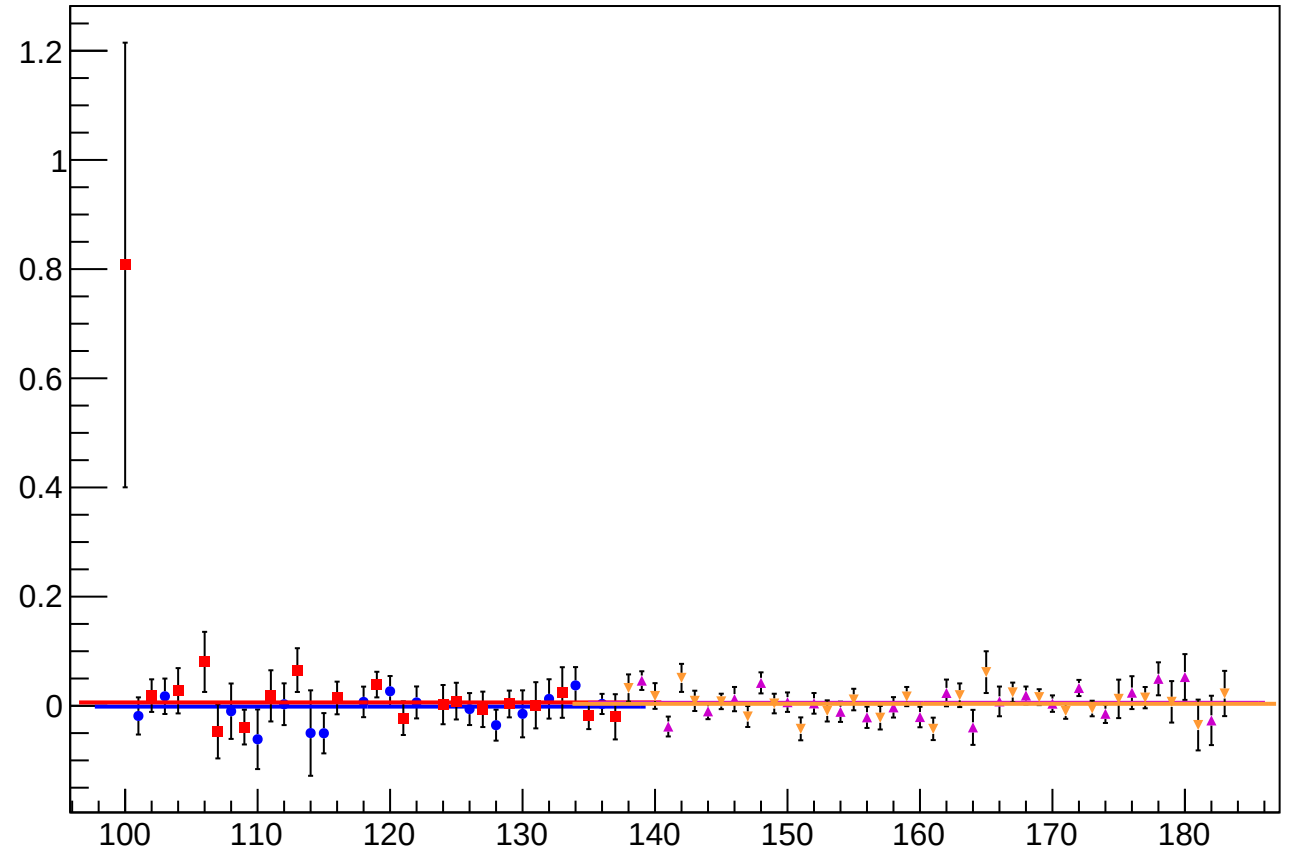
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.871+/-0.003 χ^2/NDF:1854609.2/21

\+ sign 17.626+/-0.003 χ^2/NDF: 3777767.4/39

All: 17.626+/-0.002 χ^2/NDF: 6788155.8/80

\- sign 17.626+/-0.003 χ^2/NDF: 3010388.4/40



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

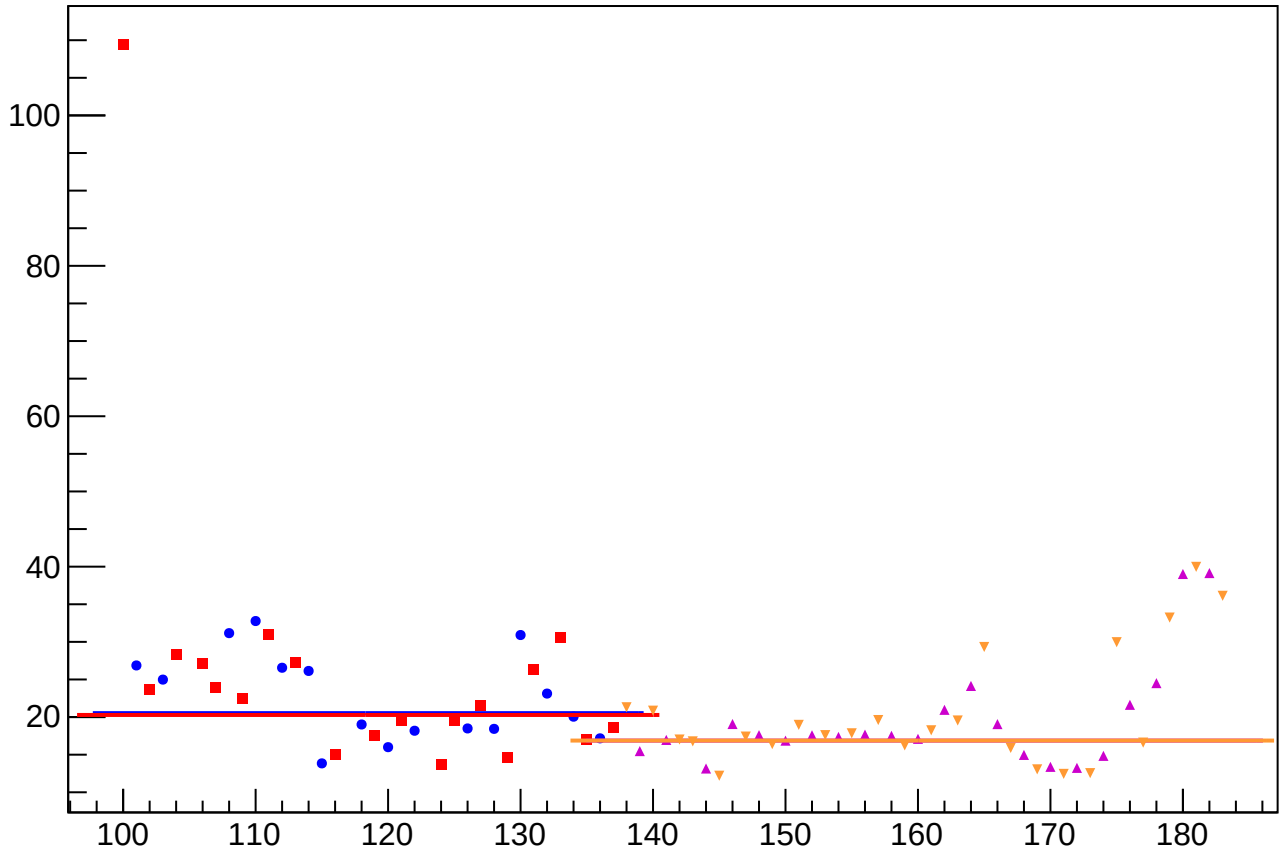
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/21

+ sign 0.003+/-0.004 χ^2/NDF: 35.1/39

All: 0.004+/-0.003 χ^2/NDF: 84.9/80

- sign 0.006+/-0.004 χ^2/NDF: 49.5/40



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746850.1/23

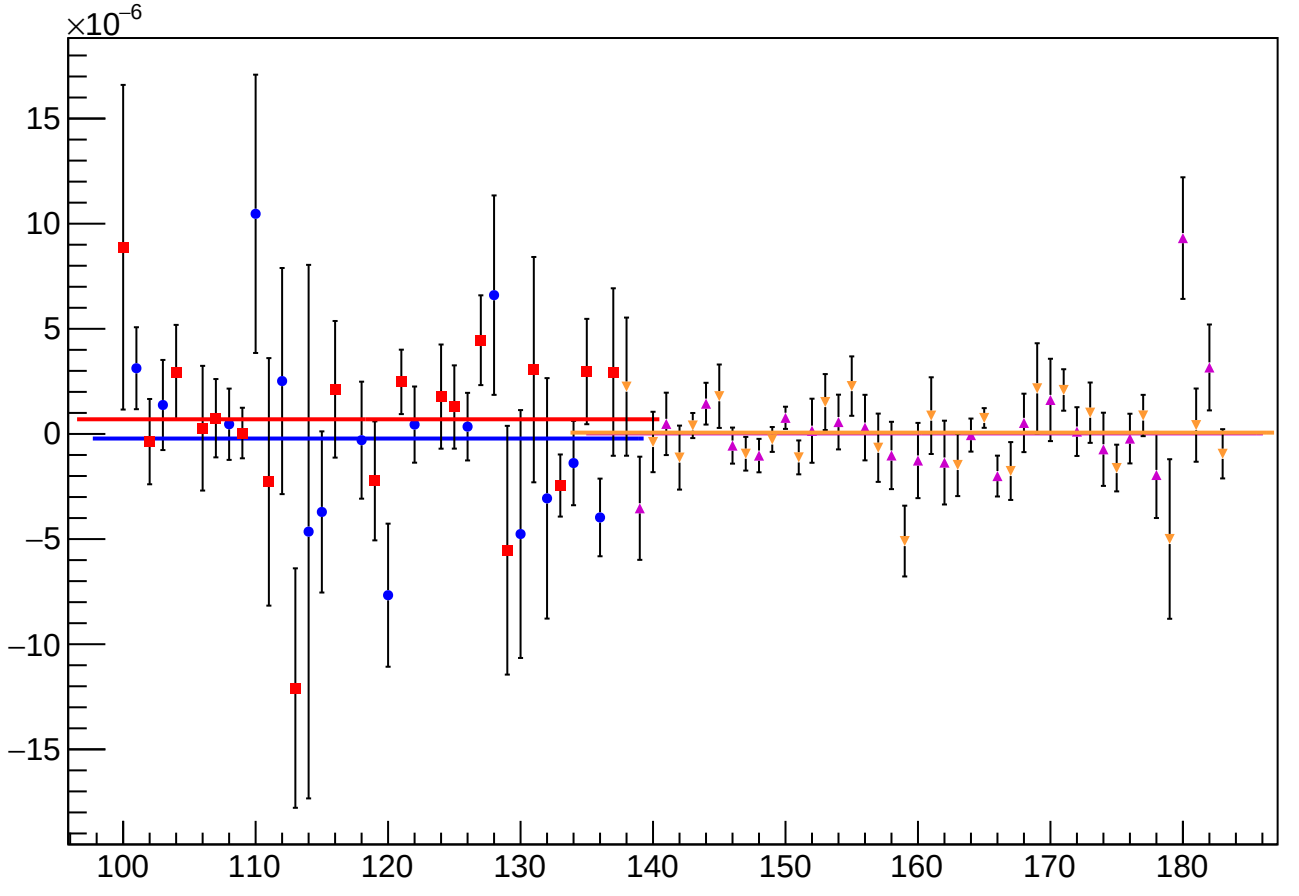
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.871+/-0.003 χ^2/NDF:1854609.2/21

+ sign 17.626+/-0.003 χ^2/NDF: 3777767.4/39

All: 17.626+/-0.002 χ^2/NDF: 6788155.8/80

- sign 17.626+/-0.003 χ^2/NDF: 3010388.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/23

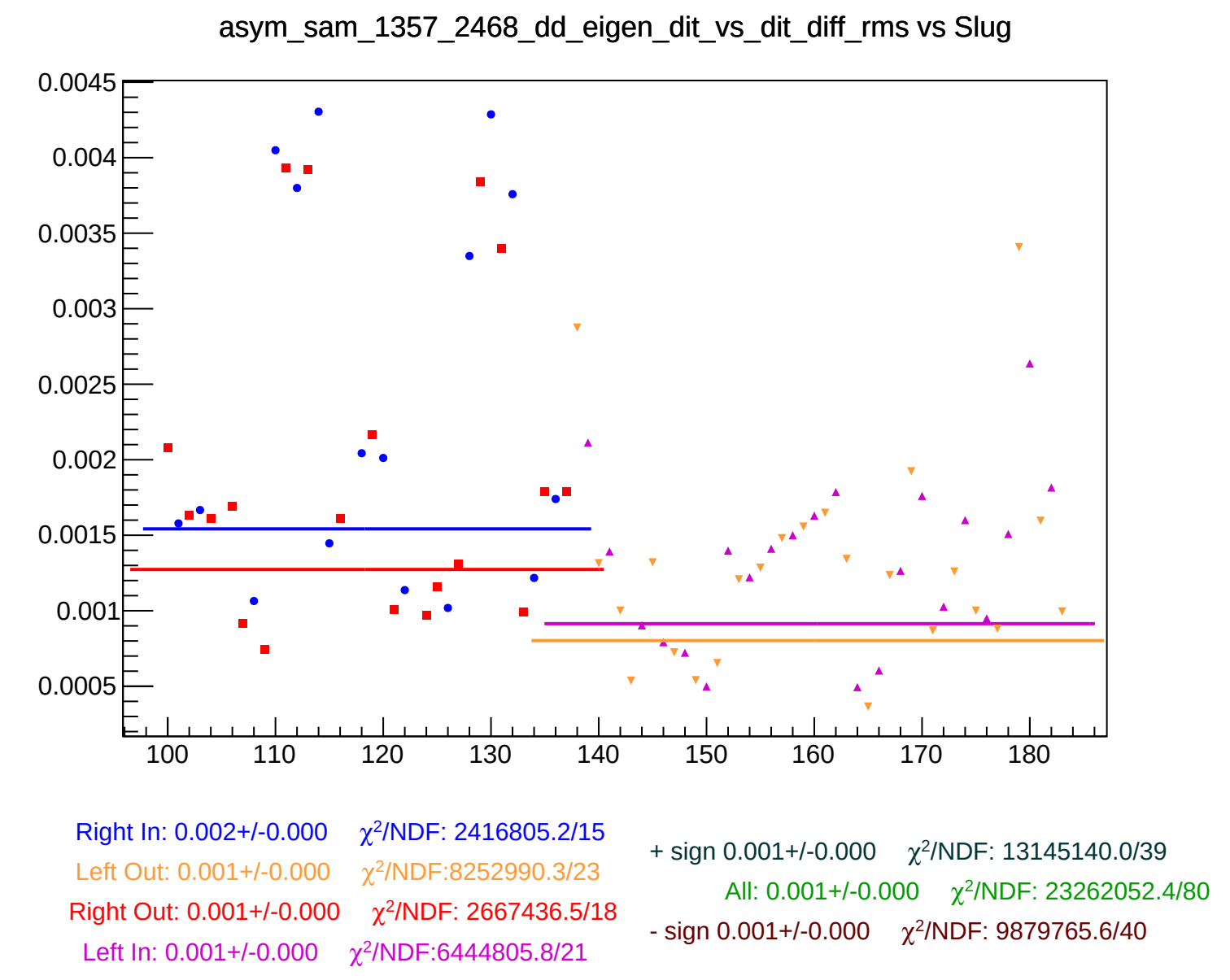
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:29.1/21

+ sign 0.000+/-0.000 χ^2/NDF: 56.5/39

All: 0.000+/-0.000 χ^2/NDF: 108.1/80

- sign 0.000+/-0.000 χ^2/NDF: 51.4/40


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
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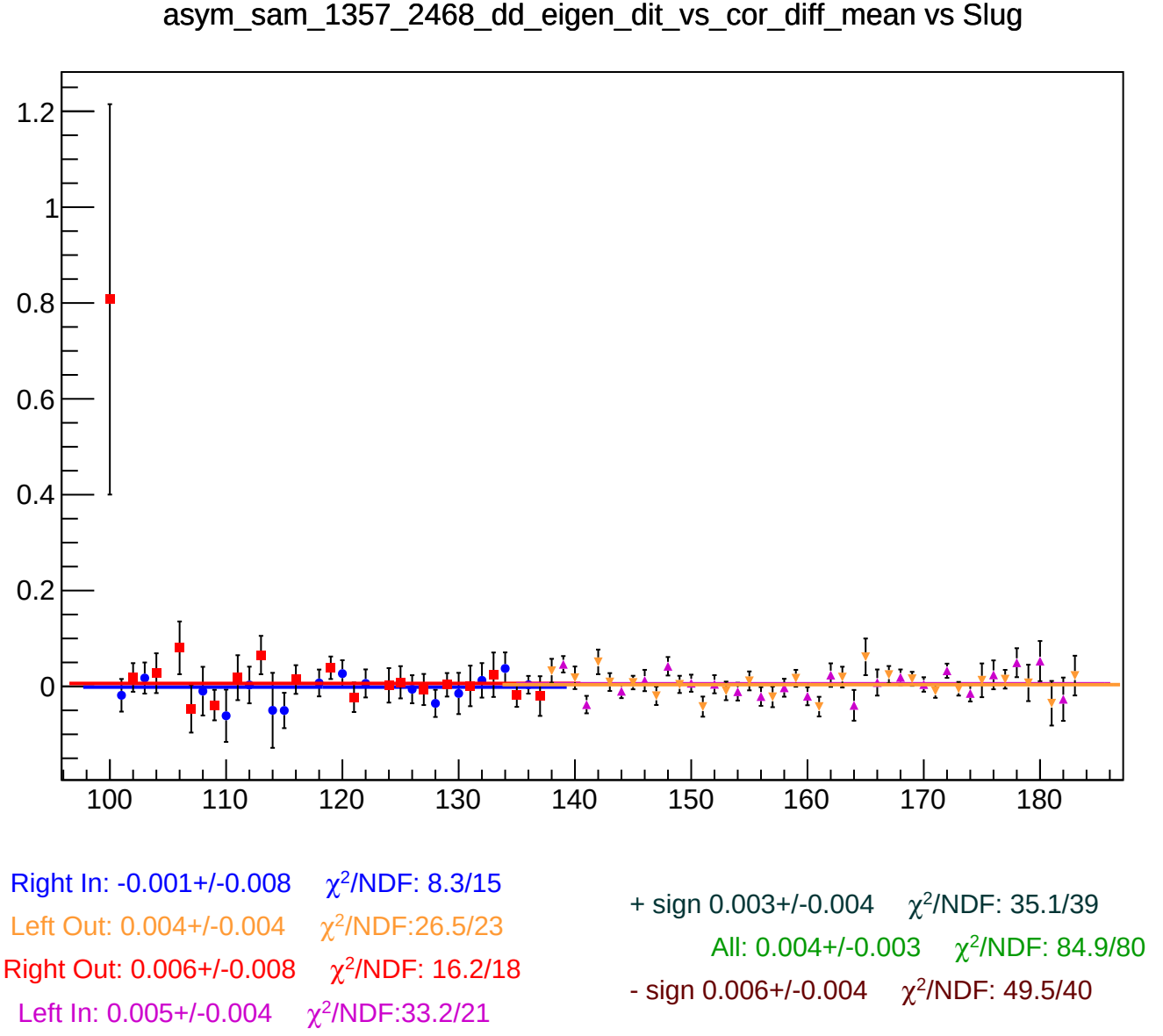
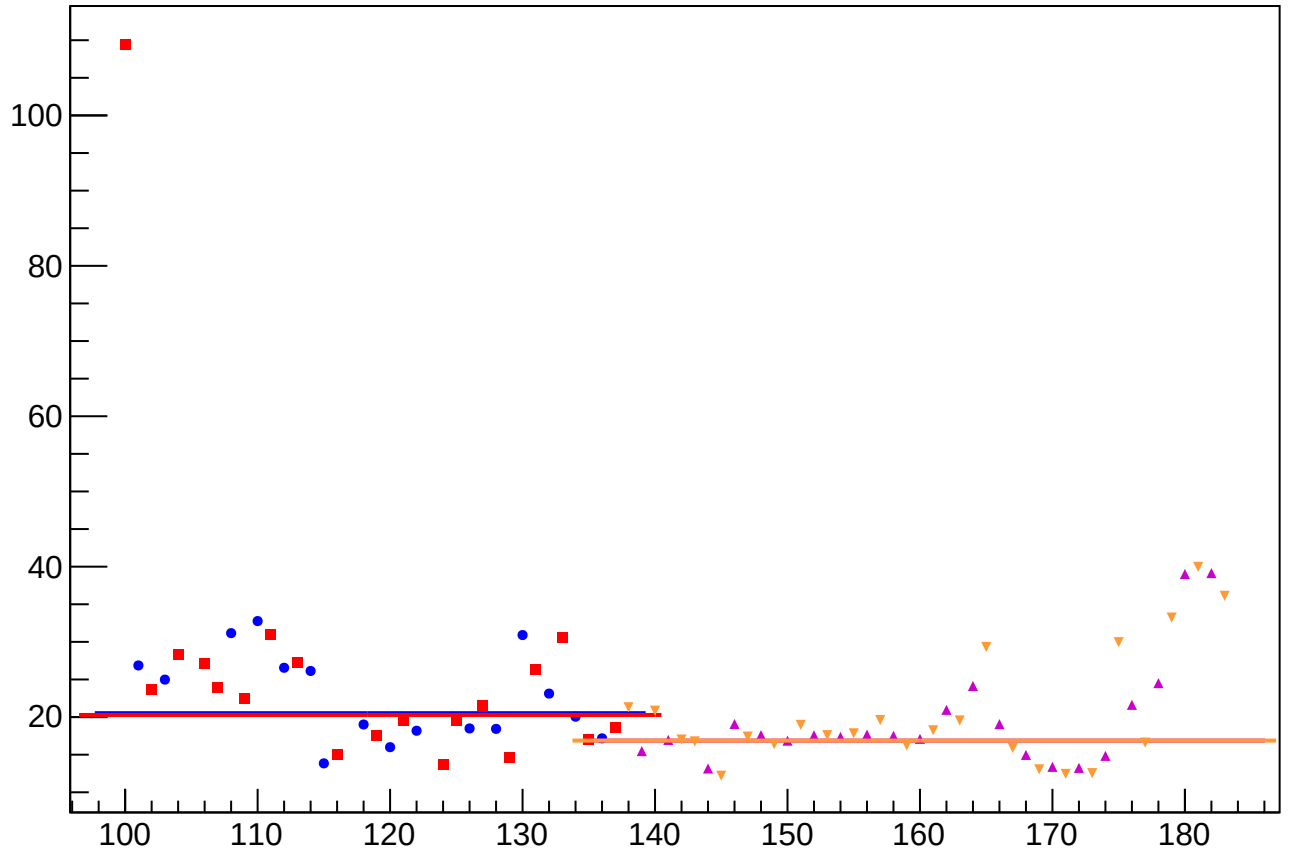
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:8252990.3/23
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:6444805.8/21
+ sign 0.001+/-0.000 χ²/NDF: 13145140.0/39
All: 0.001+/-0.000 χ²/NDF: 23262052.4/80
- sign 0.001+/-0.000 χ²/NDF: 9879765.6/40


asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
Right In: -0.001+/-0.008 χ2/NDF: 8.3/15
Left Out: 0.004+/-0.004 χ2/NDF:26.5/23
Right Out: 0.006+/-0.008 χ2/NDF: 16.2/18
Left In: 0.005+/-0.004 χ2/NDF:33.2/21
+ sign 0.003+/-0.004 χ2/NDF: 35.1/39
All: 0.004+/-0.003 χ2/NDF: 84.9/80
- sign 0.006+/-0.004 χ2/NDF: 49.5/40



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746838.1/23

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

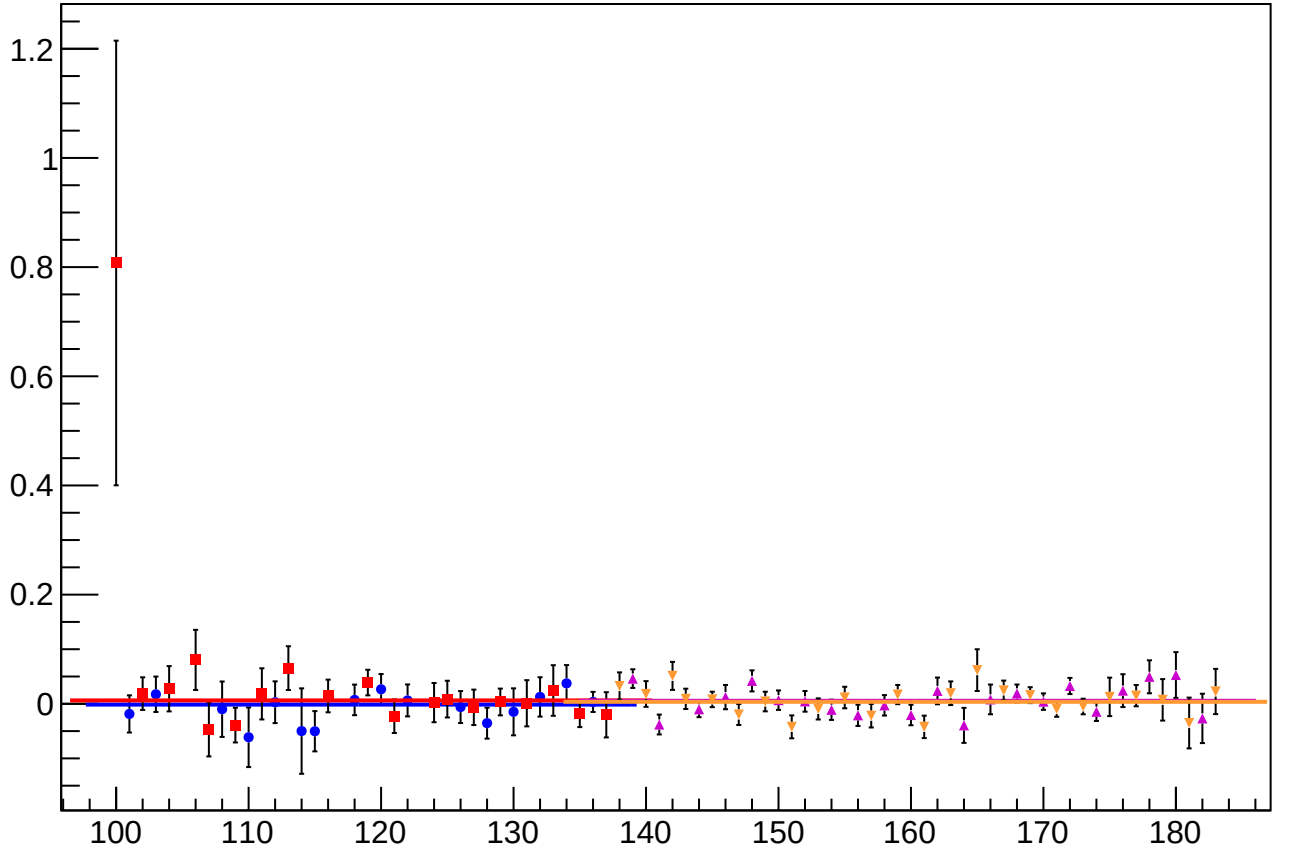
Left In: 16.871+/-0.003 χ^2/NDF:1854598.2/21

\+ sign 17.626+/-0.003 χ^2/NDF: 3777511.8/39

All: 17.626+/-0.002 χ^2/NDF: 6787768.8/80

\- sign 17.626+/-0.003 χ^2/NDF: 3010257.1/40

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

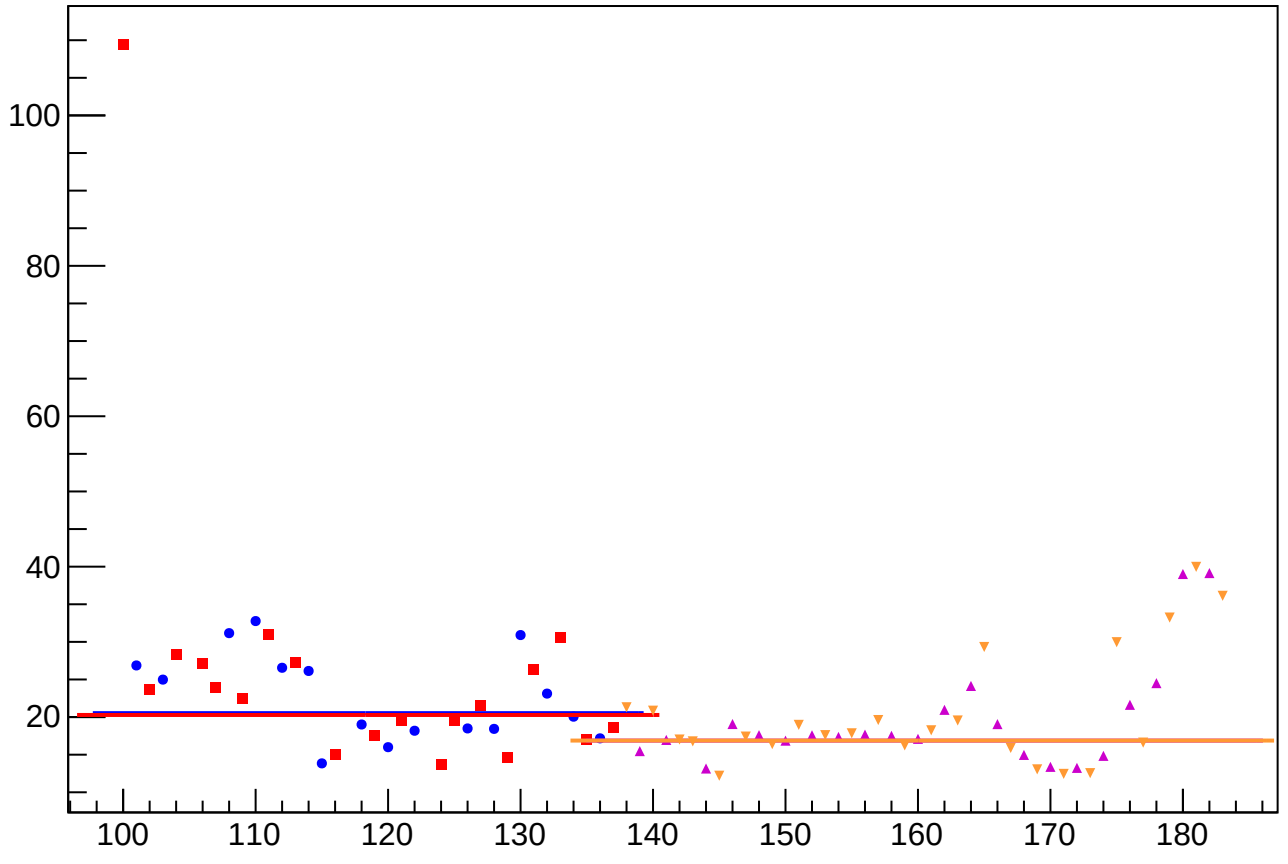
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/21

+ sign 0.003+/-0.004 χ^2/NDF: 35.1/39

All: 0.004+/-0.003 χ^2/NDF: 84.9/80

- sign 0.006+/-0.004 χ^2/NDF: 49.5/40



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746838.1/23

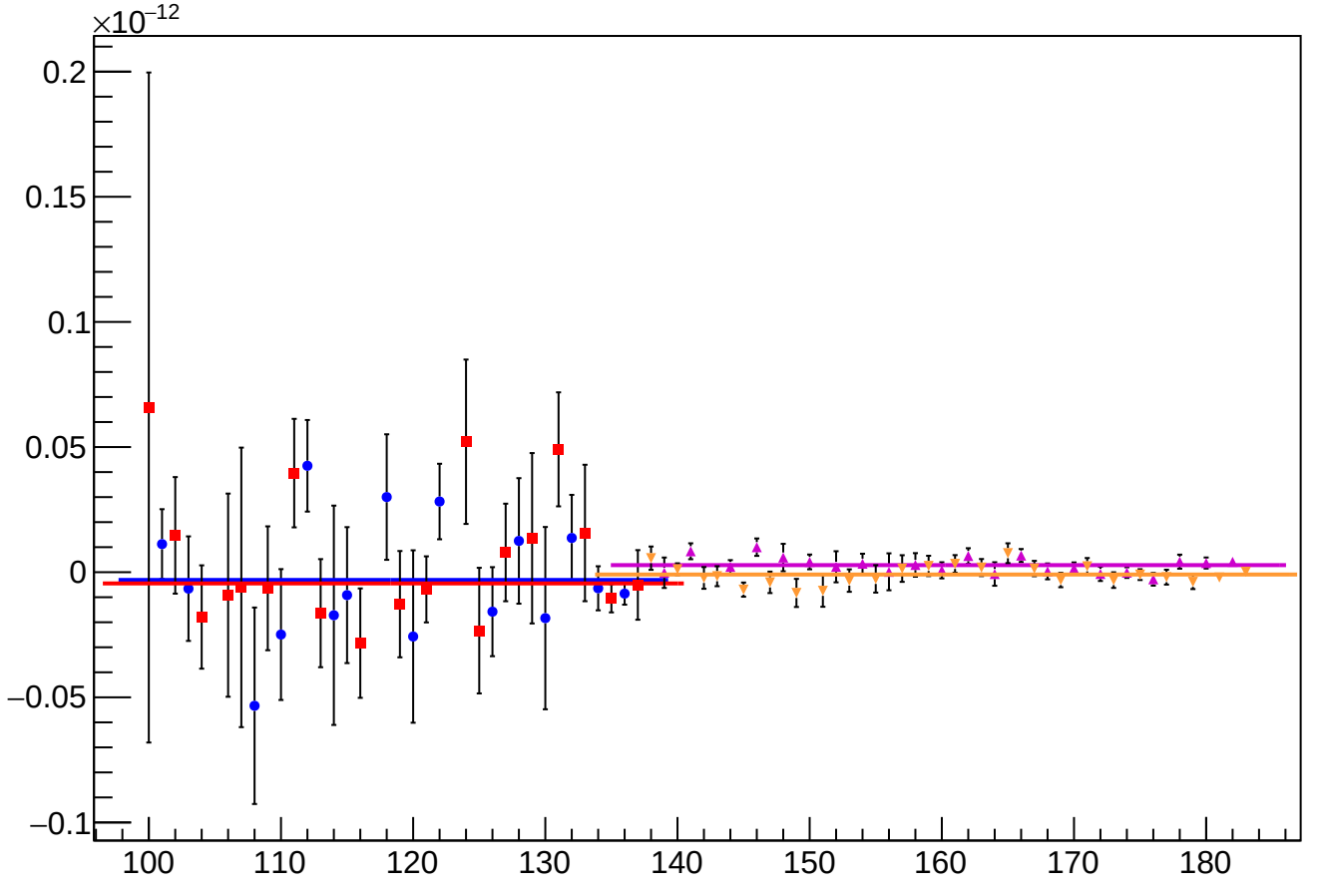
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.871+/-0.003 χ^2/NDF:1854598.2/21

+ sign 17.626+/-0.003 χ^2/NDF: 3777511.8/39

All: 17.626+/-0.002 χ^2/NDF: 6787768.8/80

- sign 17.626+/-0.003 χ^2/NDF: 3010257.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/23

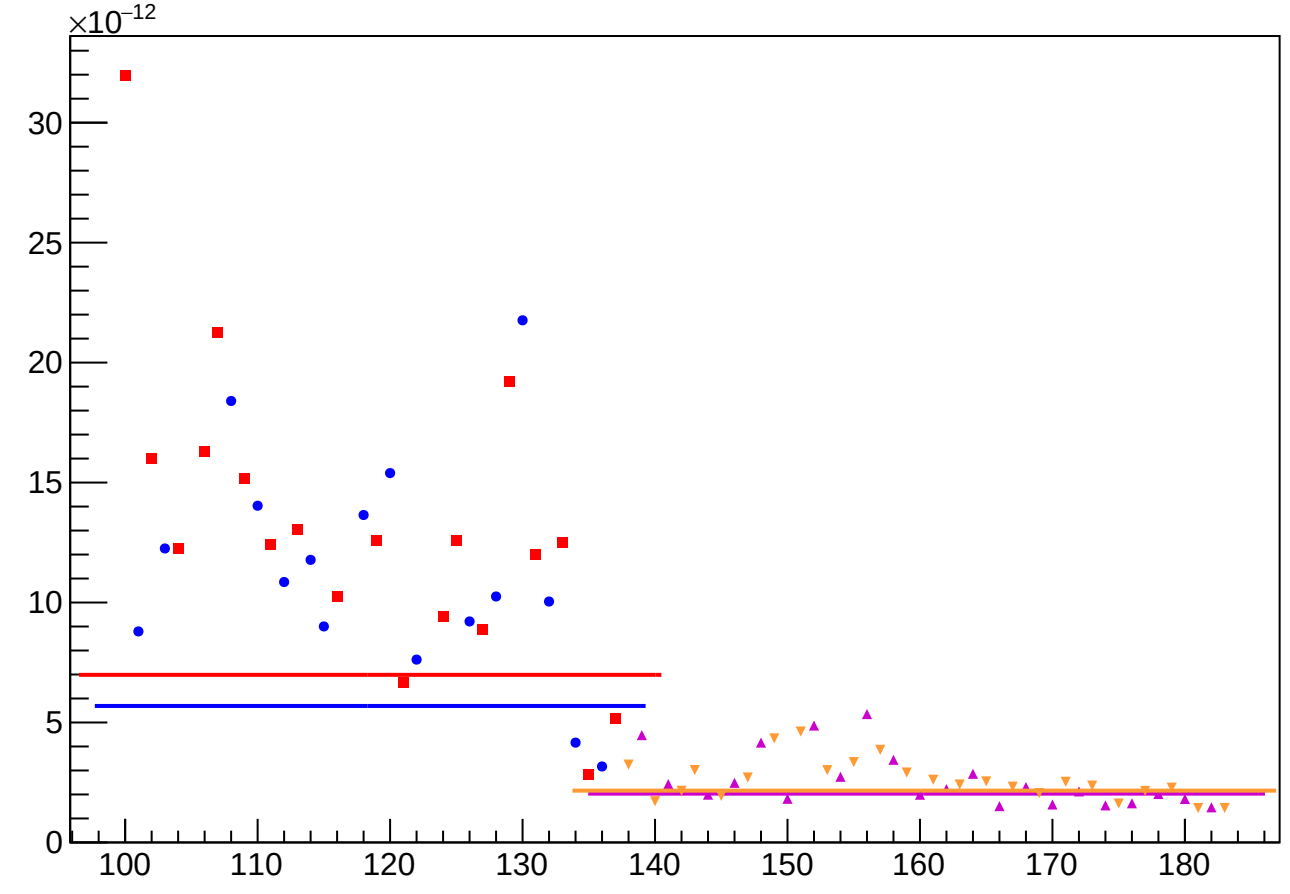
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.9/21

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/39

All: 0.000+/-0.000 χ^2/NDF: 105.1/80

- sign 0.000+/-0.000 χ^2/NDF: 45.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2147757.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

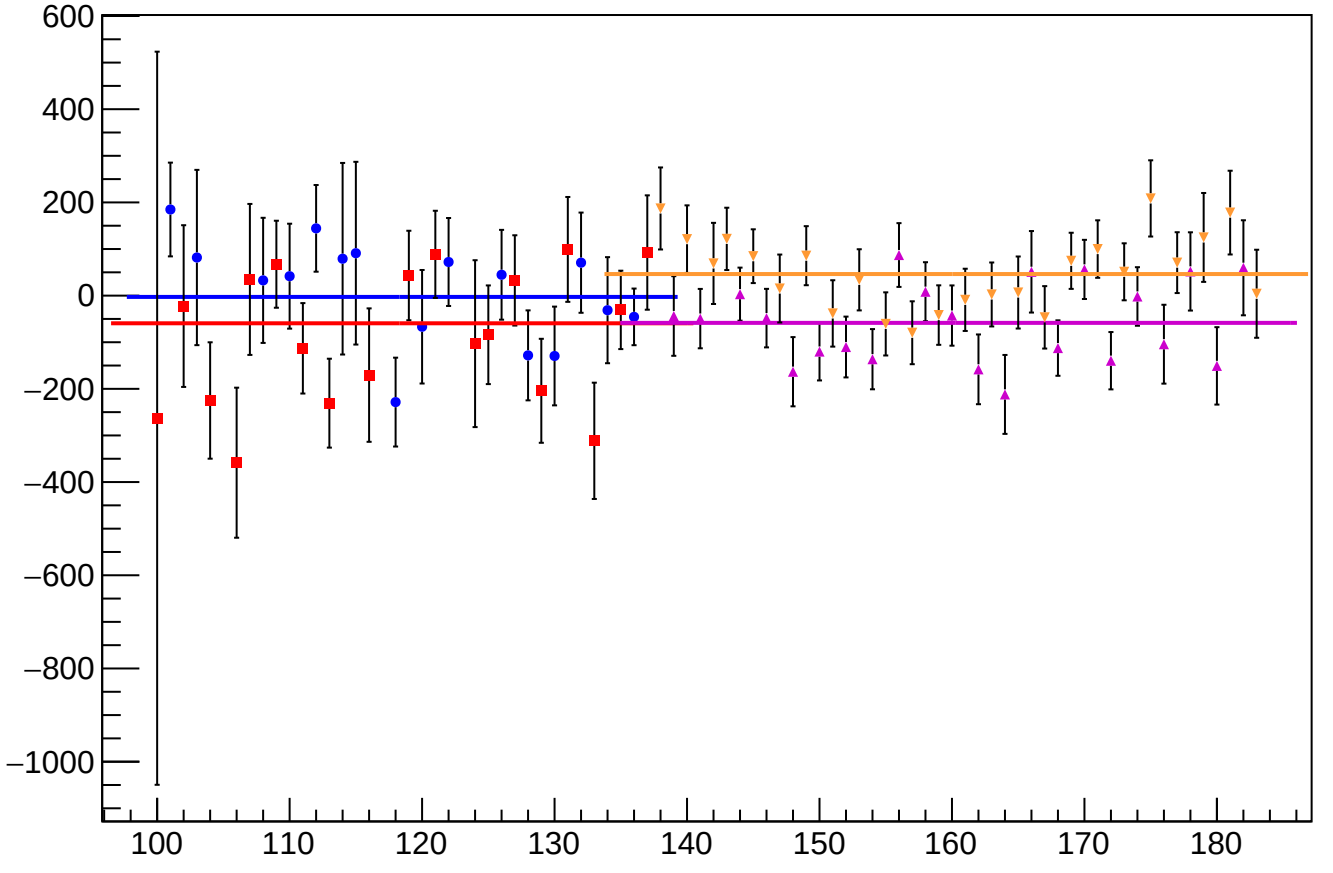
Left In: 0.000+/-0.000 χ^2/NDF:2340391.3/21

+ sign 0.000+/-0.000 χ^2/NDF: 7113919.0/39

All: 0.000+/-0.000 χ^2/NDF: 15792565.2/80

- sign 0.000+/-0.000 χ^2/NDF: 8640718.8/40

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 46.306+/-14.302 χ^2/NDF:26.7/23

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

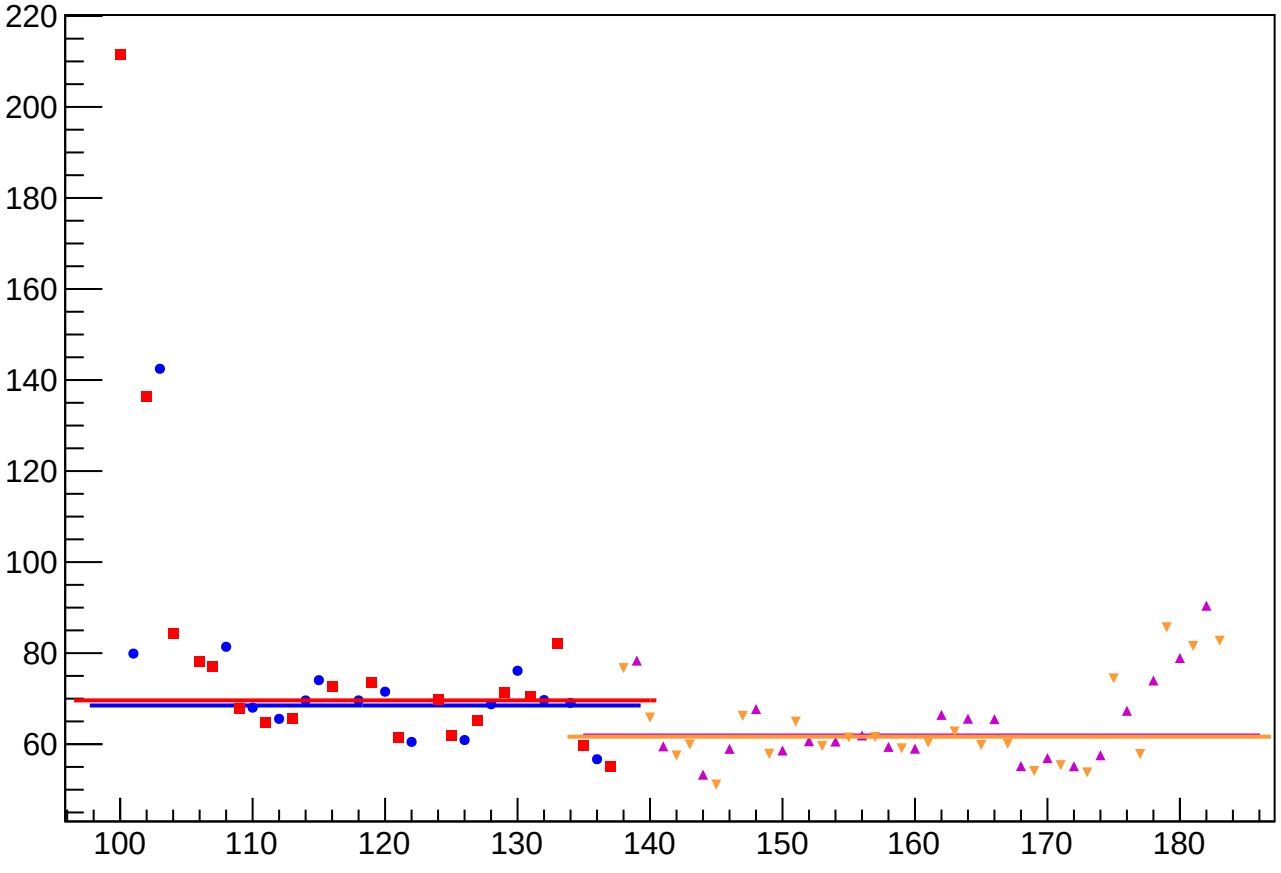
Left In: -58.450+/-14.768 χ^2/NDF:29.9/21

+ sign 35.049+/-12.555 χ^2/NDF: 47.1/39

All: -10.585+/-8.993 χ^2/NDF: 129.8/80

- sign -58.665+/-12.887 χ^2/NDF: 55.6/40

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.644+/-0.010 χ^2/NDF:631995.9/23

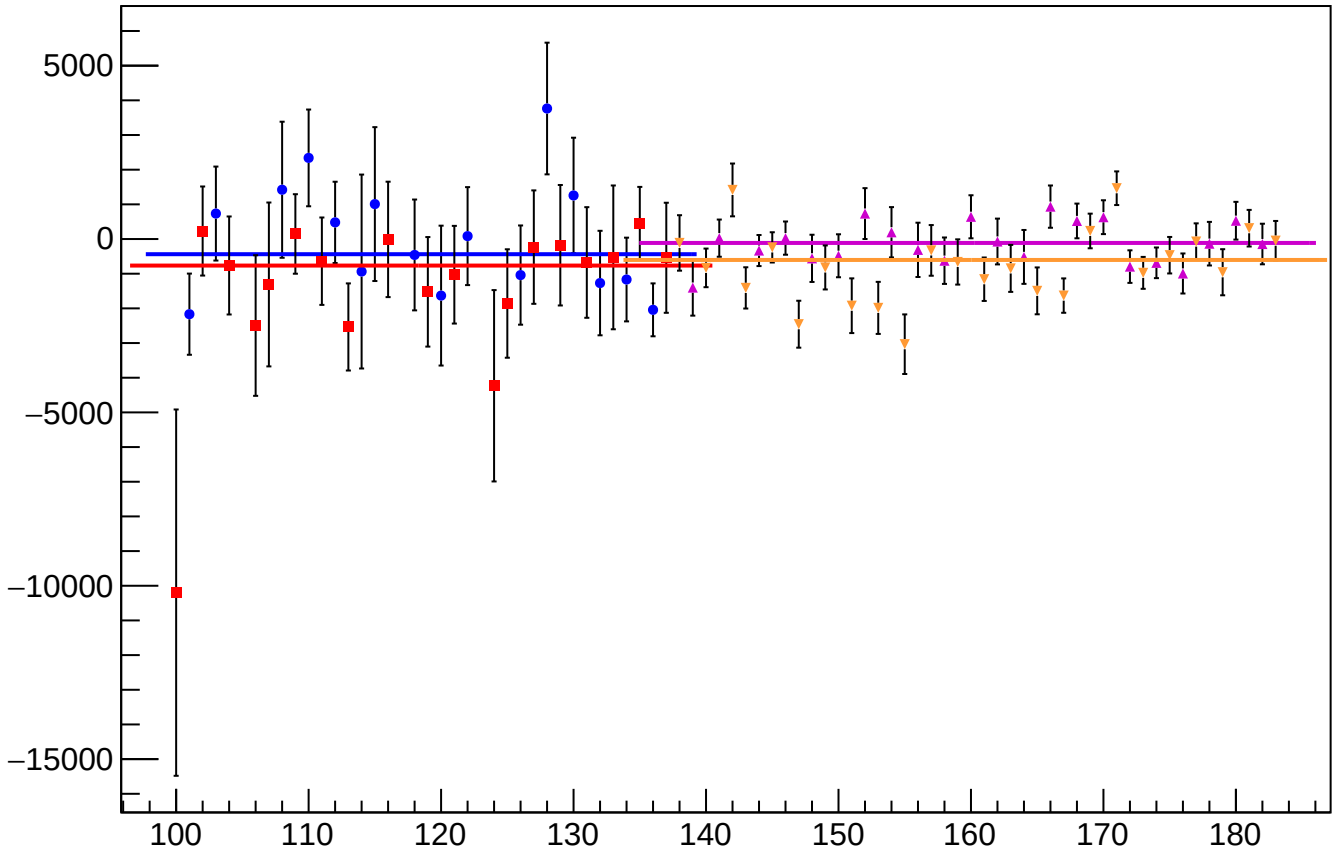
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.912+/-0.010 χ^2/NDF:529826.7/21

+ sign 63.217+/-0.009 χ^2/NDF: 1209240.0/39

All: 63.477+/-0.006 χ^2/NDF: 2391202.6/80

- sign 63.751+/-0.009 χ^2/NDF: 1180196.4/40



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -603.547+/-120.951 χ^2/NDF:66.0/23

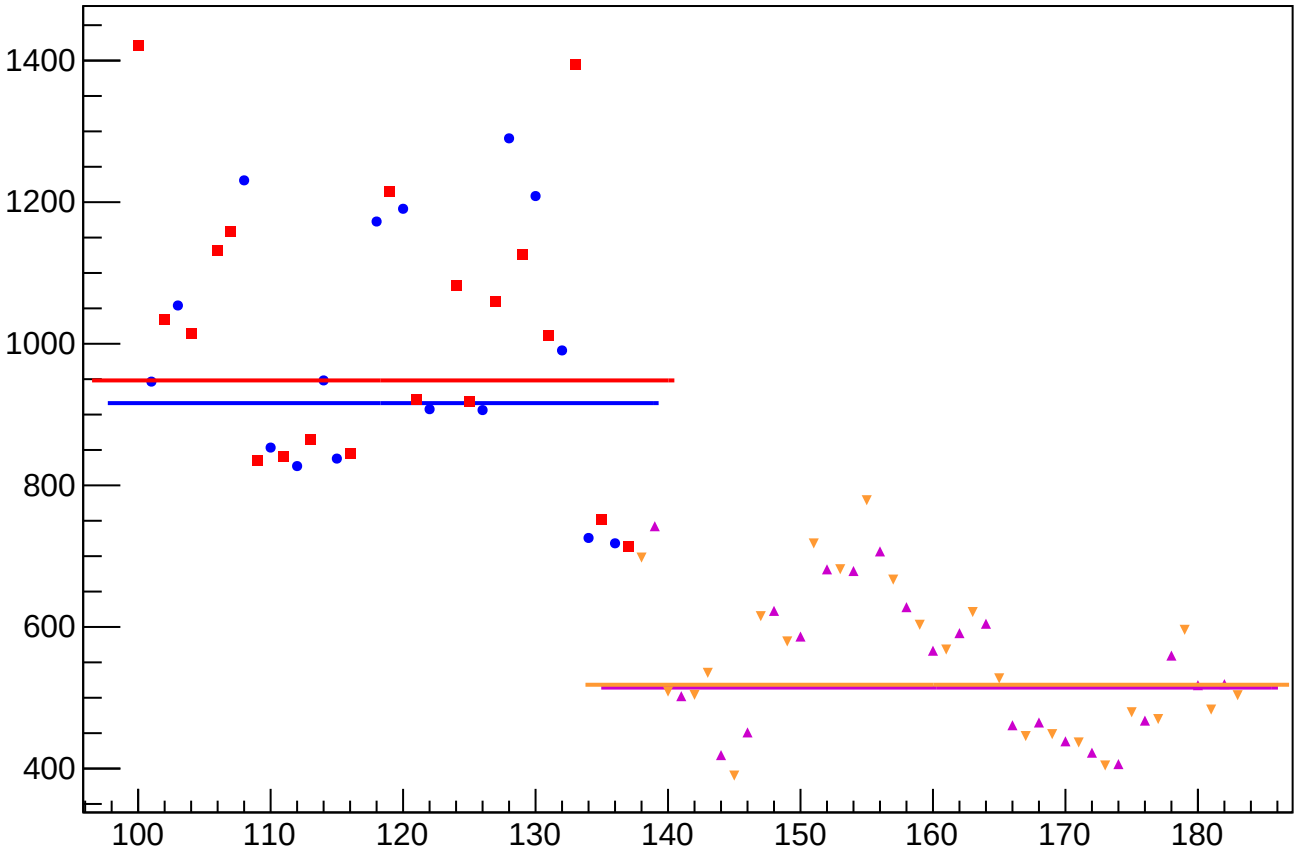
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -112.799+/-123.436 χ^2/NDF:22.0/21

+ sign -585.725+/-114.278 χ^2/NDF: 86.7/39

All: -388.702+/-81.588 χ^2/NDF: 129.2/80

- sign -183.875+/-116.519 χ^2/NDF: 36.4/40



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 518.385+/-0.086 χ^2/NDF:1244230.9/23

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

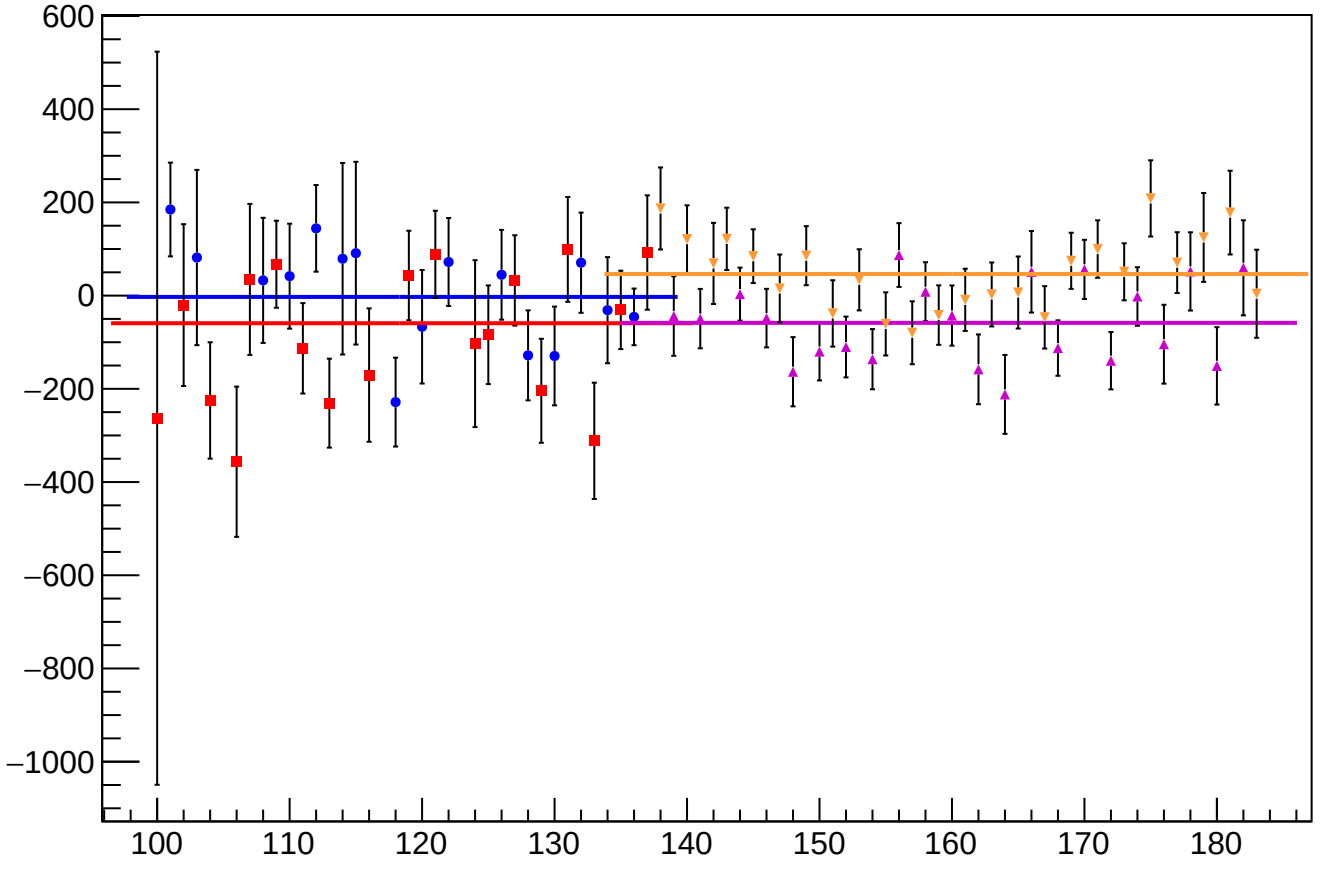
Left In: 514.375+/-0.087 χ^2/NDF:1119012.6/21

+ sign 561.065+/-0.081 χ^2/NDF: 4074412.0/39

All: 561.343+/-0.058 χ^2/NDF: 8299978.1/80

- sign 561.632+/-0.082 χ^2/NDF: 4225542.0/40

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 46.310+/-14.302 χ^2/NDF:26.7/23

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

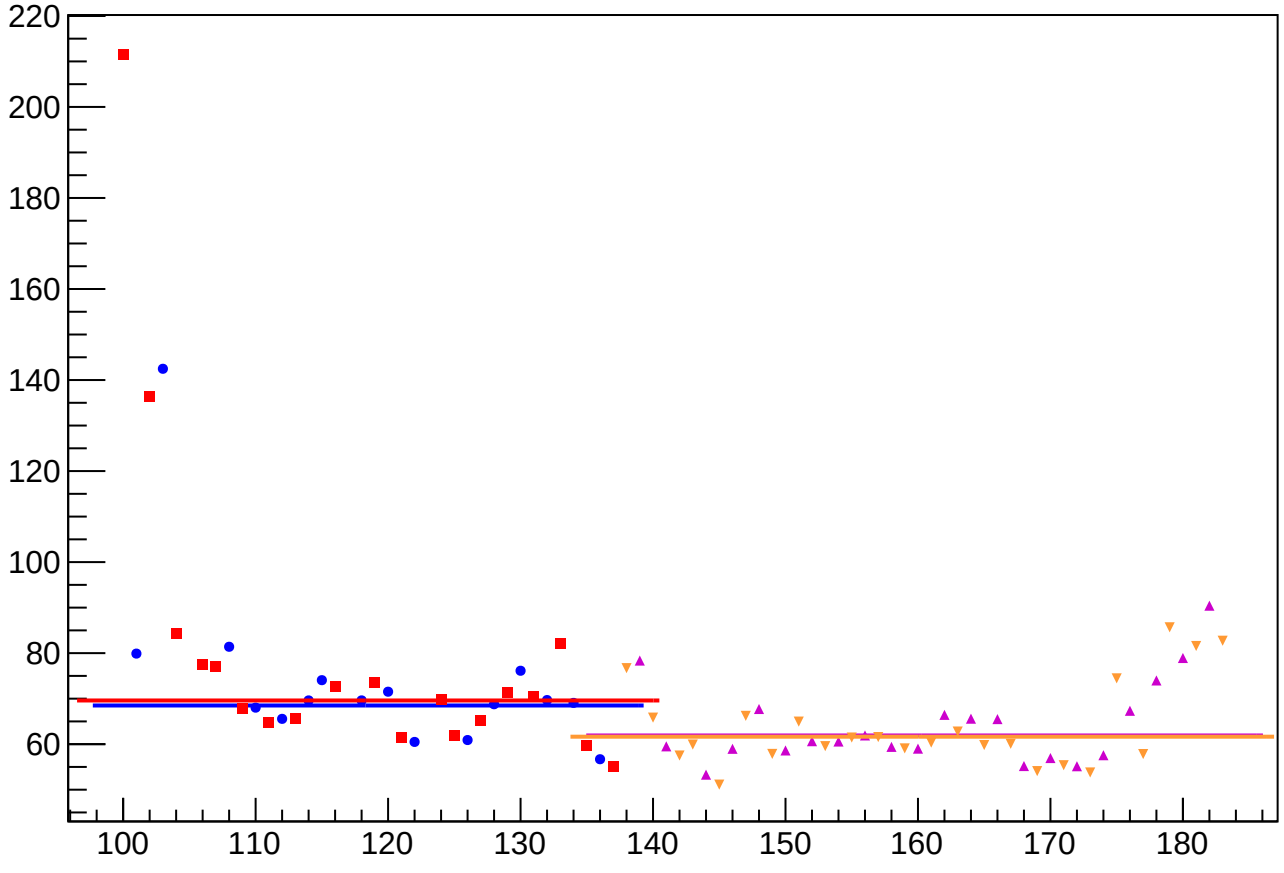
Left In: -58.450+/-14.768 χ^2/NDF:29.9/21

+ sign 35.050+/-12.555 χ^2/NDF: 47.1/39

All: -10.570+/-8.993 χ^2/NDF: 129.7/80

- sign -58.636+/-12.887 χ^2/NDF: 55.5/40

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.644+/-0.010 χ^2/NDF:631996.0/23

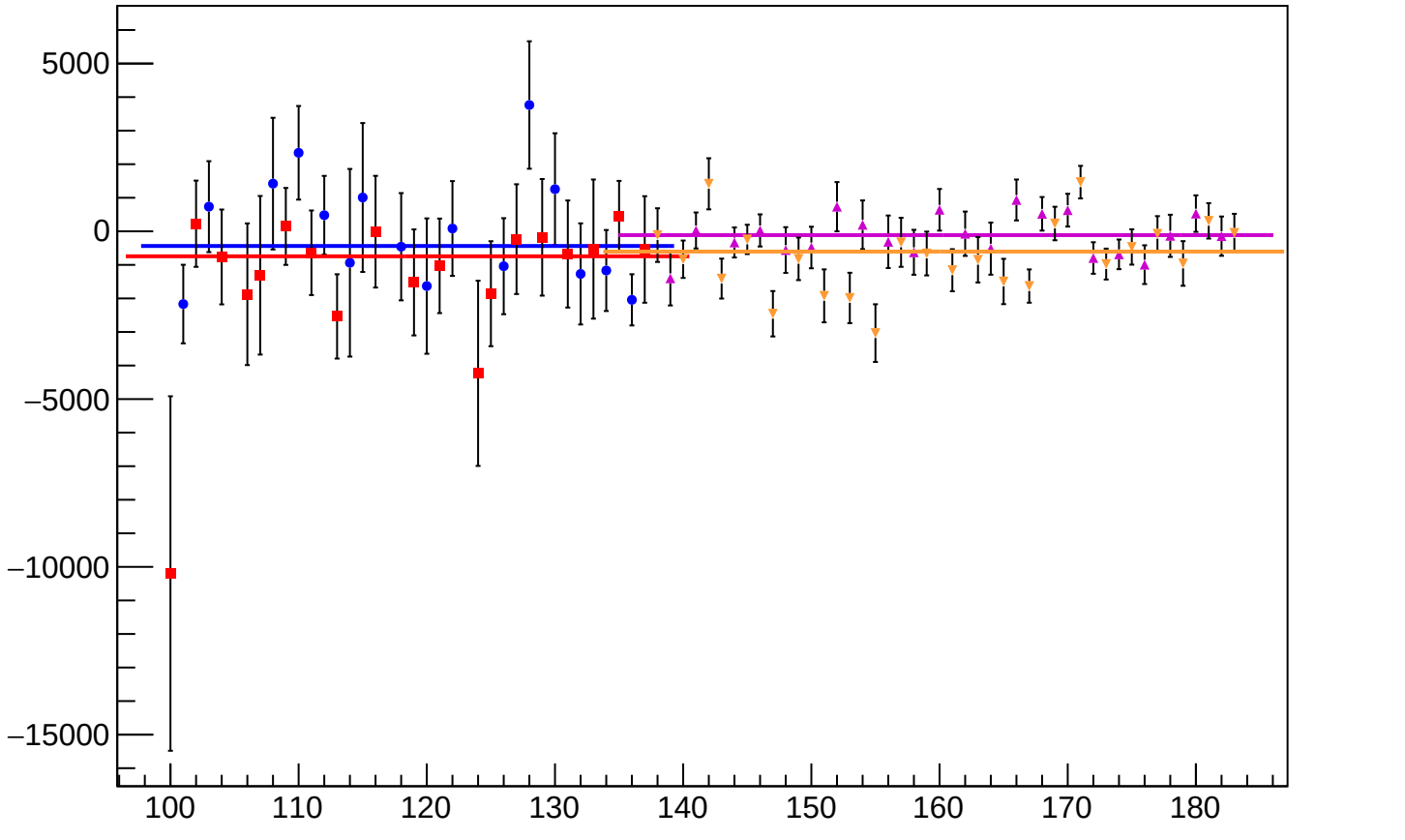
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.912+/-0.010 χ^2/NDF:529826.8/21

\+ sign 63.217+/-0.009 χ^2/NDF: 1209243.0/39

All: 63.475+/-0.006 χ^2/NDF: 2389903.1/80

\- sign 63.747+/-0.009 χ^2/NDF: 1178924.8/40



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -603.542+/-120.951 χ^2/NDF:66.0/23

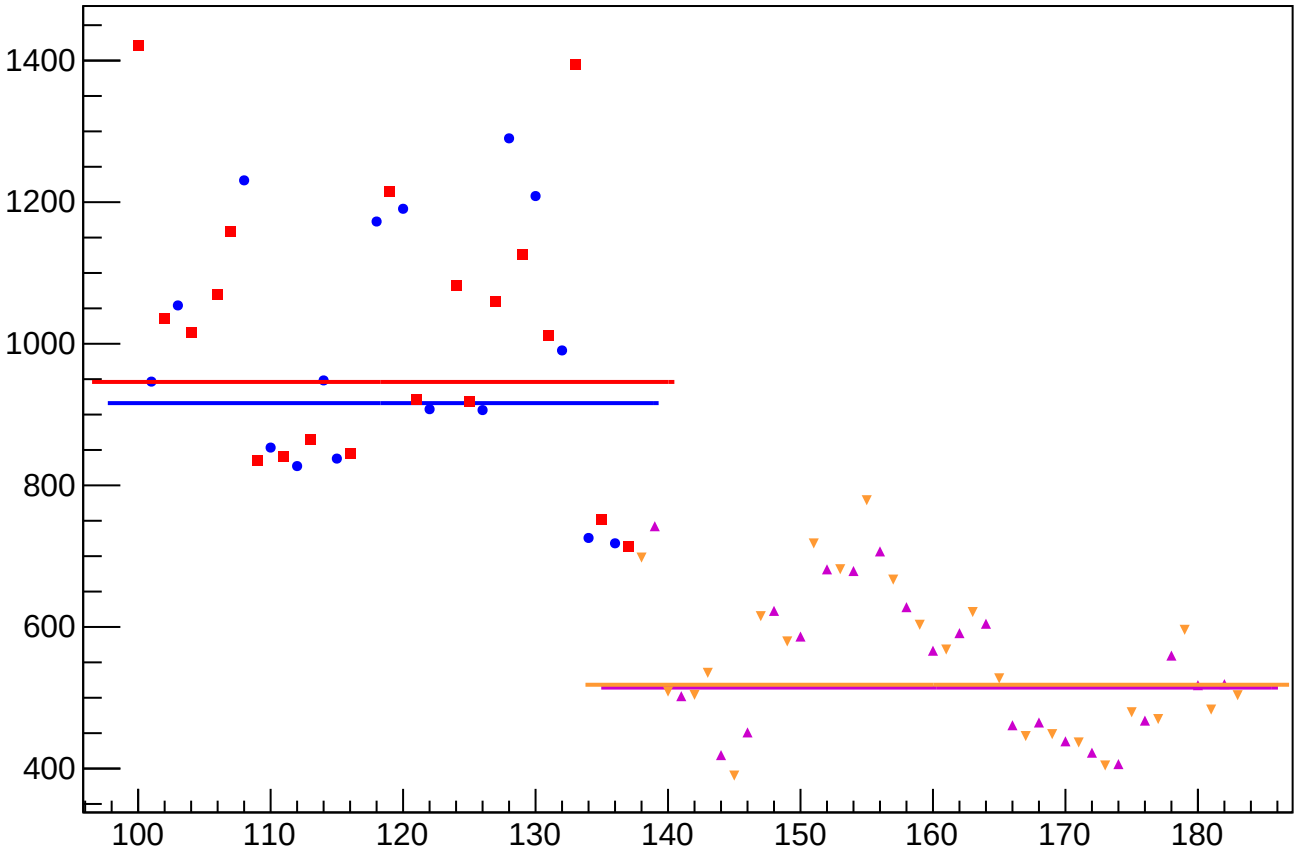
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -112.799+/-123.436 χ^2/NDF:22.0/21

+ sign -585.718+/-114.278 χ^2/NDF: 86.7/39

All: -387.532+/-81.593 χ^2/NDF: 128.6/80

- sign -181.443+/-116.535 χ^2/NDF: 35.7/40



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 518.385+/-0.086 χ^2/NDF:1244234.4/23

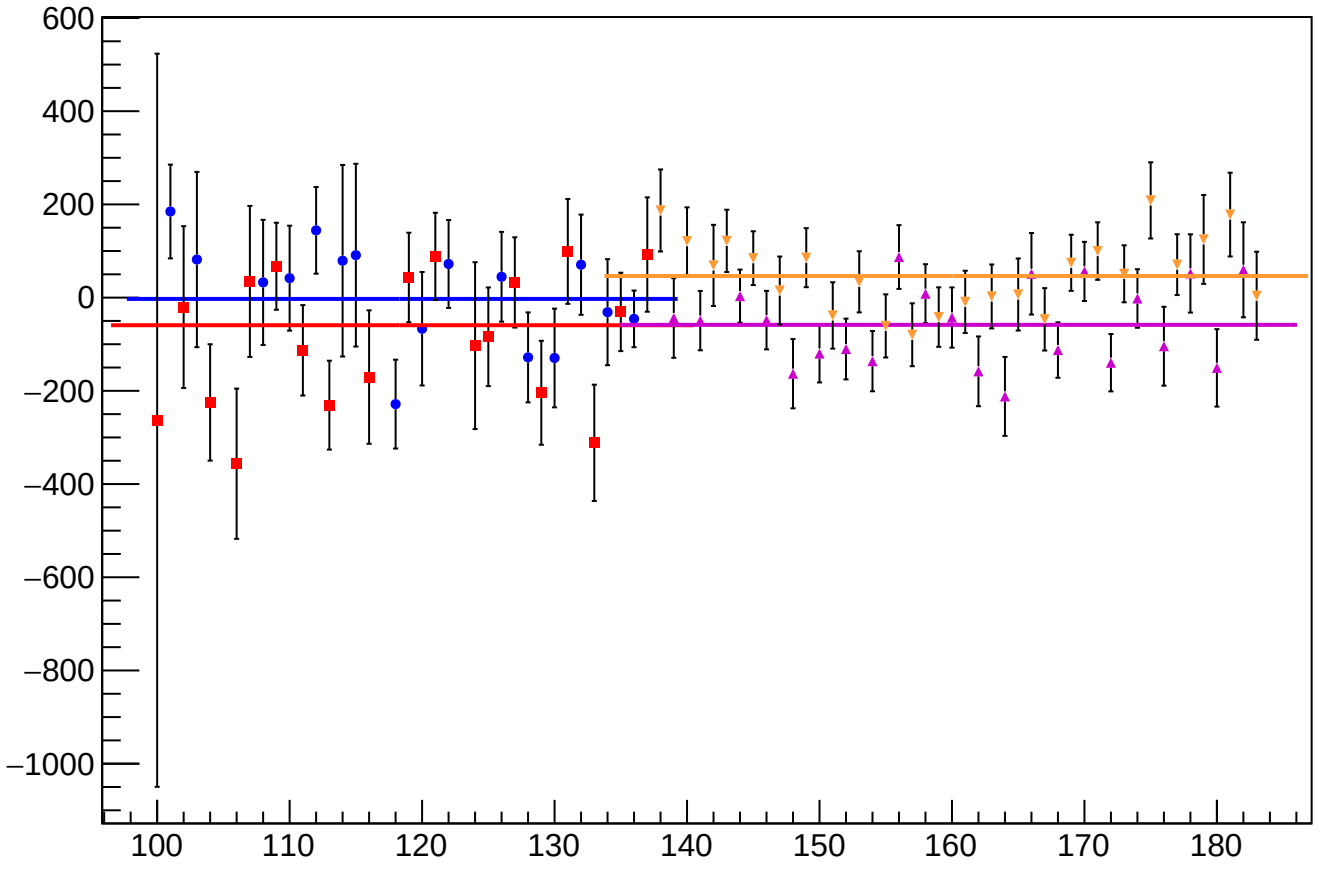
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.375+/-0.087 χ^2/NDF:1119011.4/21

+ sign 561.065+/-0.081 χ^2/NDF: 4074463.8/39

All: 561.178+/-0.058 χ^2/NDF: 8257852.8/80

- sign 561.295+/-0.082 χ^2/NDF: 4183385.0/40



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 46.310+/-14.302 χ^2/NDF:26.7/23

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

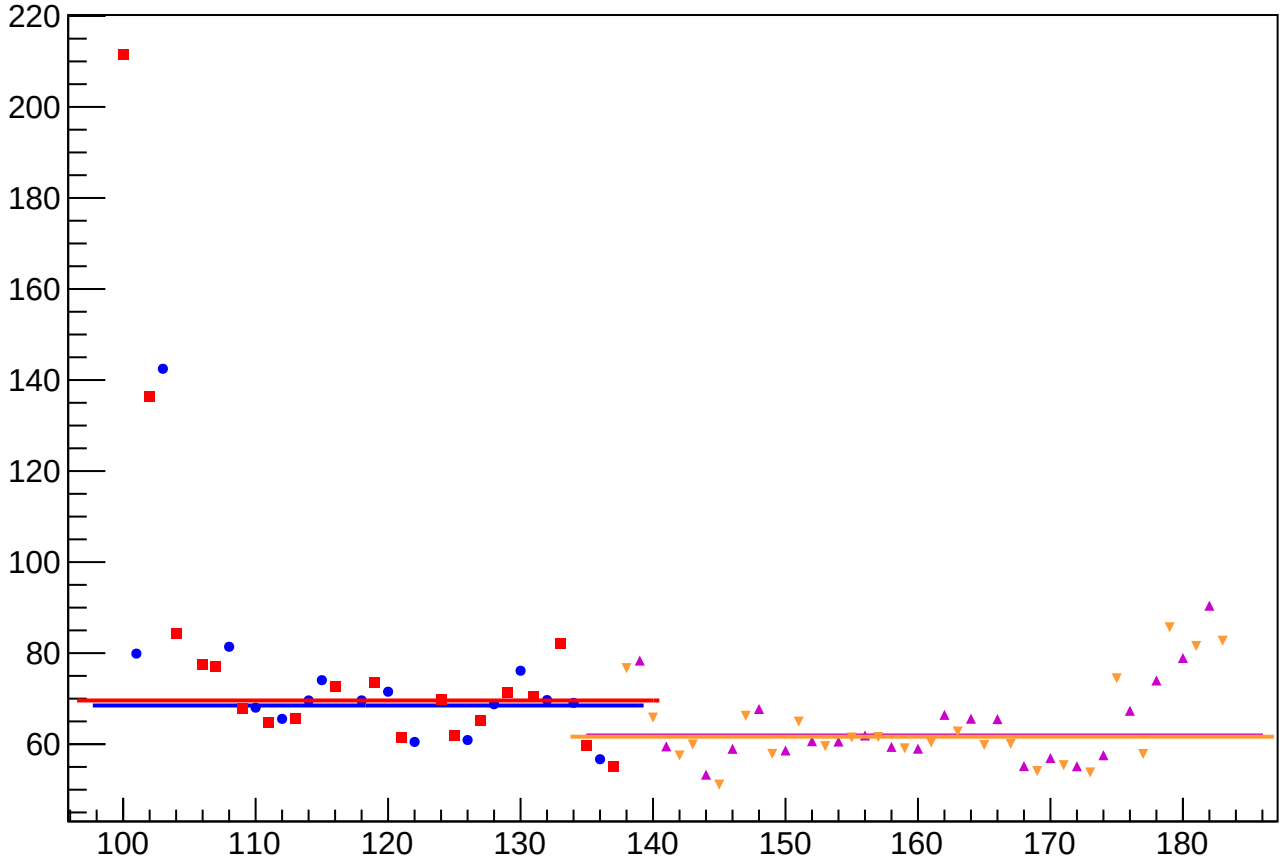
Left In: -58.450+/-14.768 χ^2/NDF:29.9/21

+ sign 35.050+/-12.555 χ^2/NDF: 47.1/39

All: -10.570+/-8.993 χ^2/NDF: 129.7/80

- sign -58.636+/-12.887 χ^2/NDF: 55.5/40

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.644+/-0.010 χ^2/NDF:631996.0/23

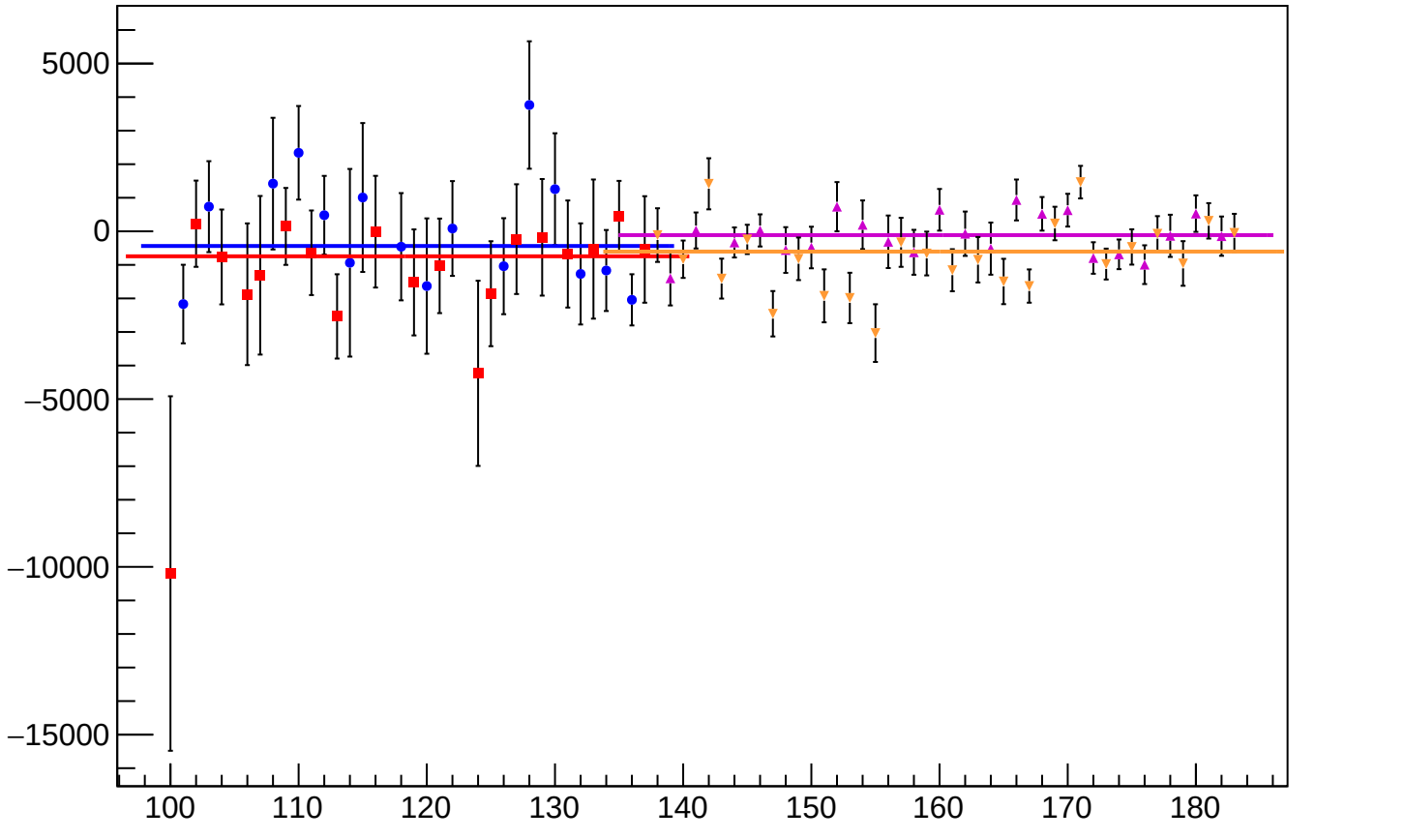
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.912+/-0.010 χ^2/NDF:529826.8/21

+ sign 63.217+/-0.009 χ^2/NDF: 1209243.0/39

All: 63.475+/-0.006 χ^2/NDF: 2389903.1/80

- sign 63.747+/-0.009 χ^2/NDF: 1178924.8/40



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -603.542+/-120.951 χ^2/NDF:66.0/23

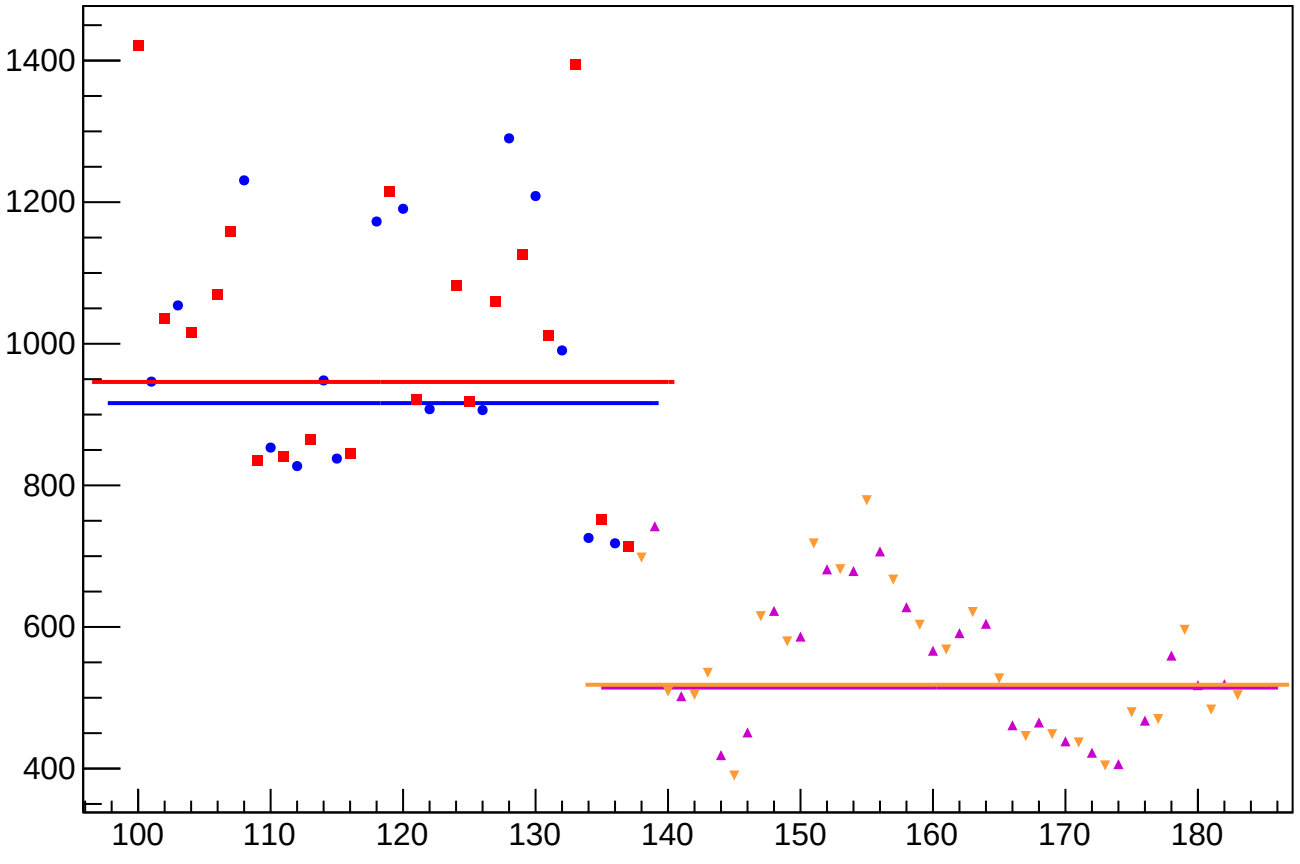
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -112.799+/-123.436 χ^2/NDF:22.0/21

+ sign -585.718+/-114.278 χ^2/NDF: 86.7/39

All: -387.532+/-81.593 χ^2/NDF: 128.6/80

- sign -181.443+/-116.535 χ^2/NDF: 35.7/40



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 518.385+/-0.086 χ^2/NDF:1244234.4/23

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

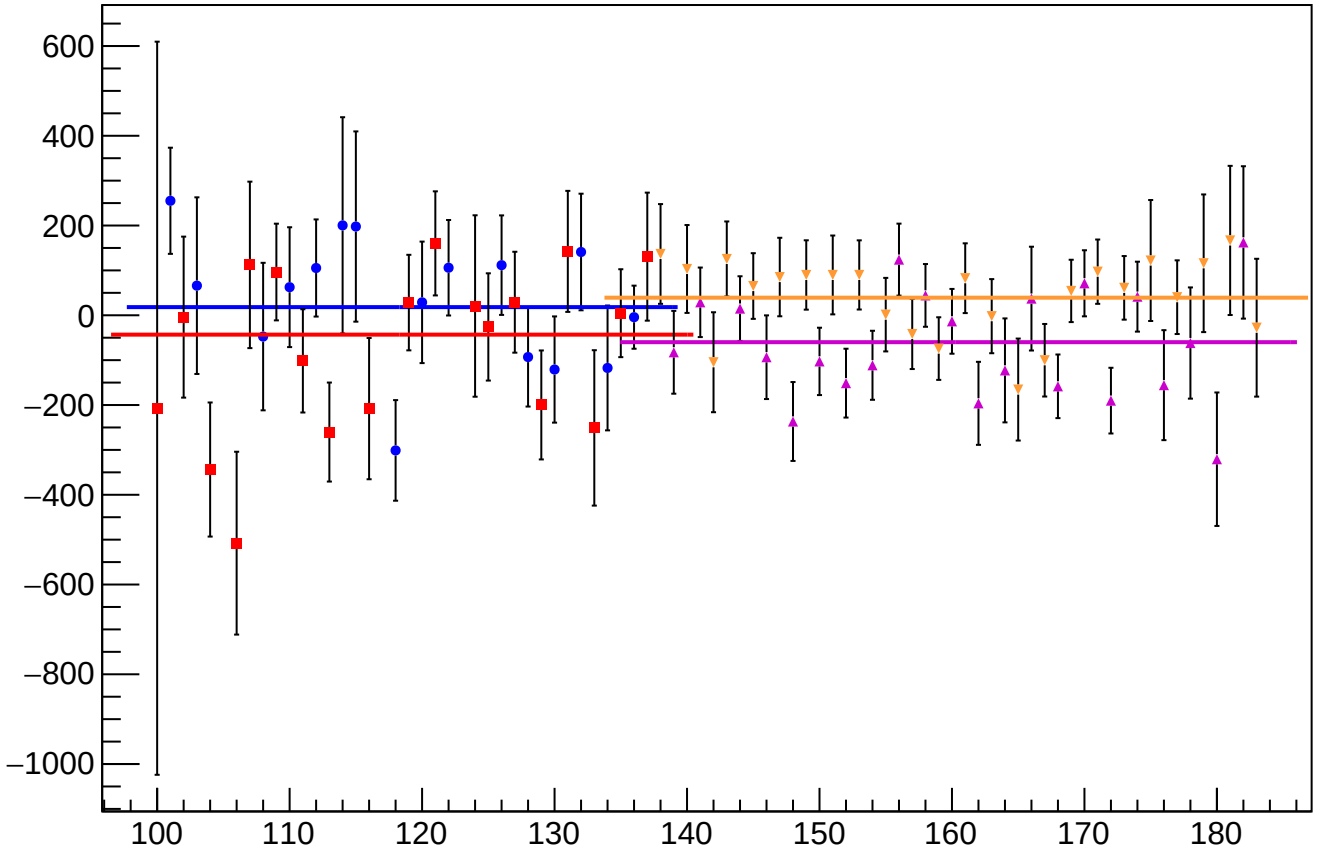
Left In: 514.375+/-0.087 χ^2/NDF:1119011.4/21

+ sign 561.065+/-0.081 χ^2/NDF: 4074463.8/39

All: 561.178+/-0.058 χ^2/NDF: 8257852.8/80

- sign 561.295+/-0.082 χ^2/NDF: 4183385.0/40

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 39.211+/-17.737 χ^2/NDF:18.4/23

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

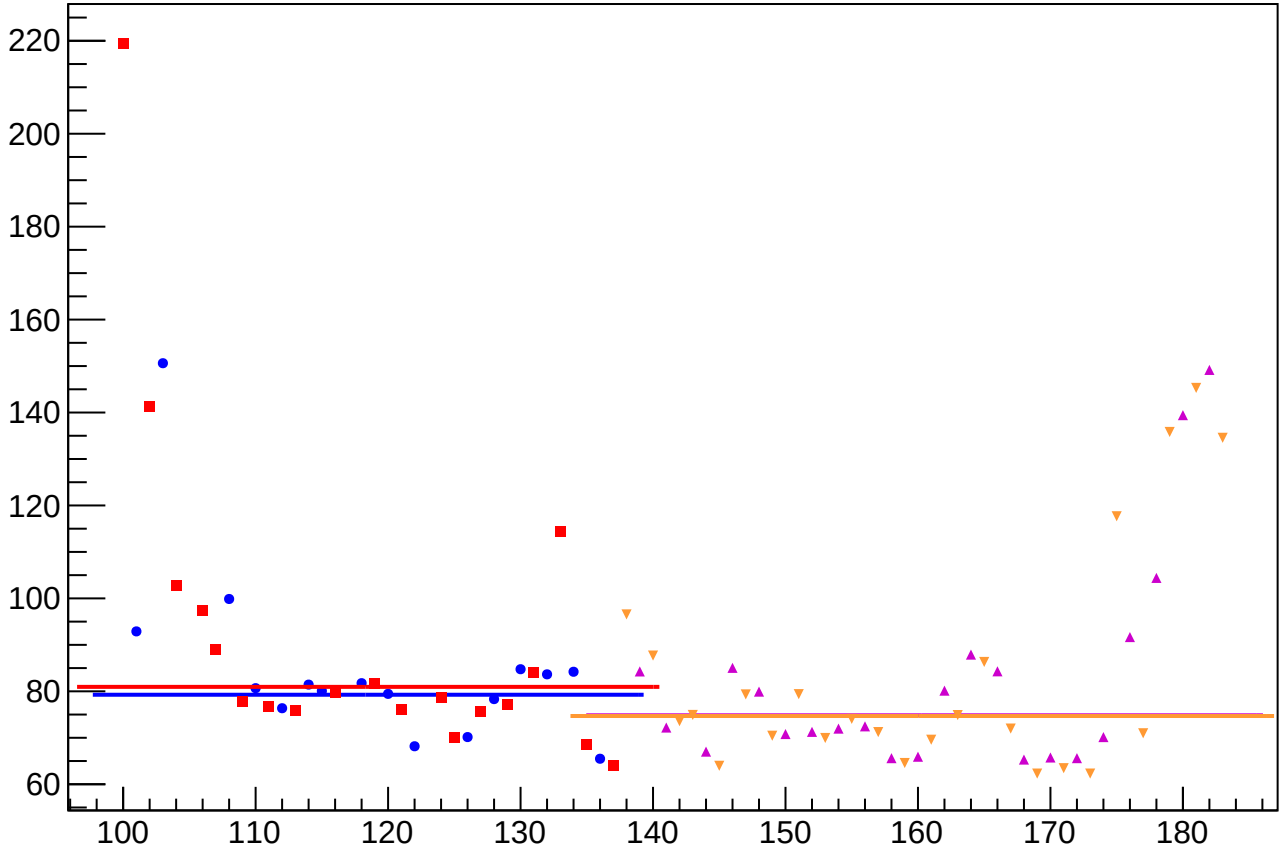
Left In: -59.950+/-18.250 χ^2/NDF:35.3/21

+ sign 33.855+/-15.313 χ^2/NDF: 38.9/39

All: -9.773+/-10.958 χ^2/NDF: 118.8/80

- sign -55.564+/-15.688 χ^2/NDF: 63.2/40

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 74.687+/-0.013 χ^2/NDF:1622631.5/23

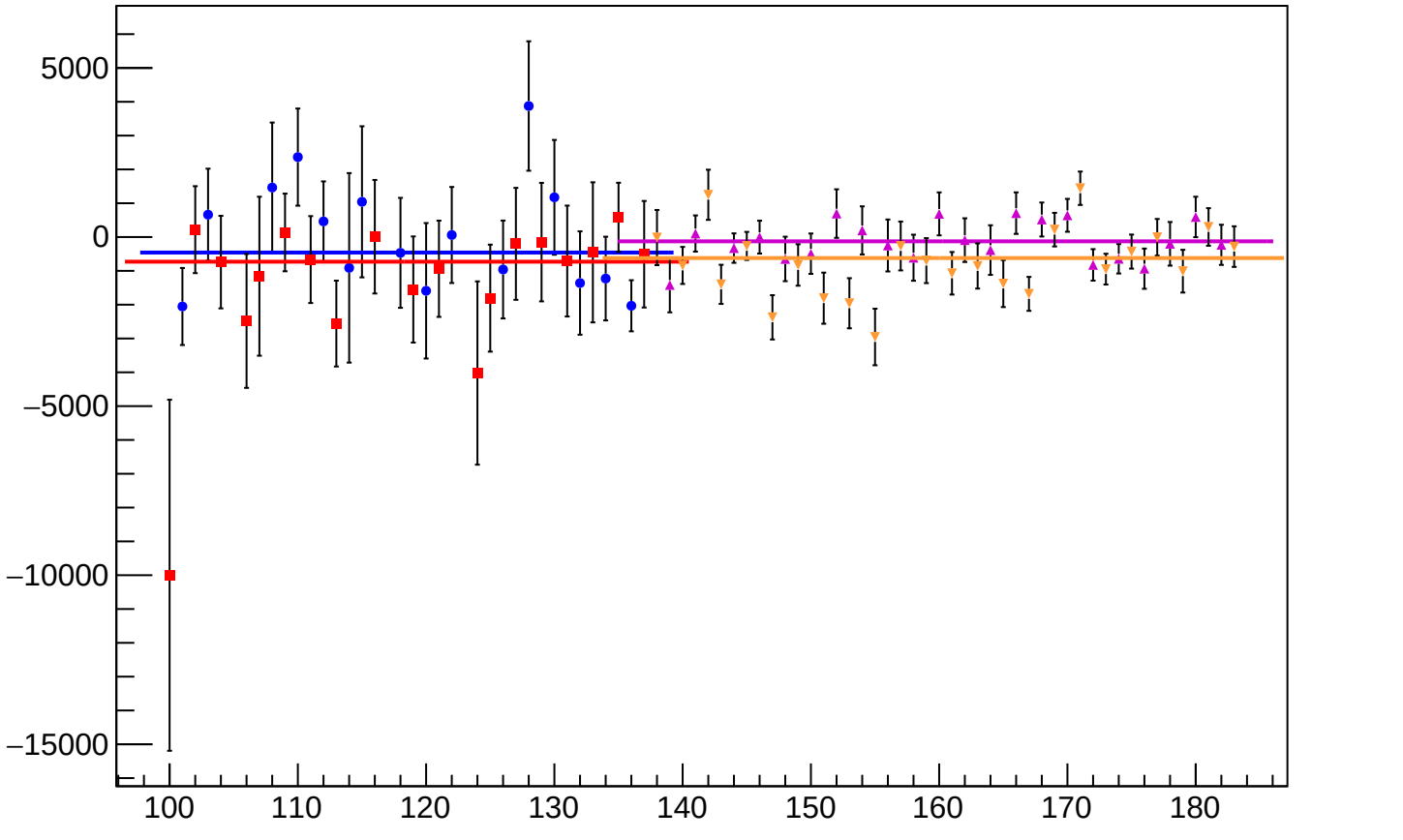
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 74.843+/-0.013 χ^2/NDF:1220685.2/21

+ sign 75.852+/-0.011 χ^2/NDF: 2101484.3/39

All: 76.139+/-0.008 χ^2/NDF: 3896401.0/80

- sign 76.439+/-0.011 χ^2/NDF: 1793481.3/40



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -620.757+/-120.161 χ^2/NDF:62.6/23

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

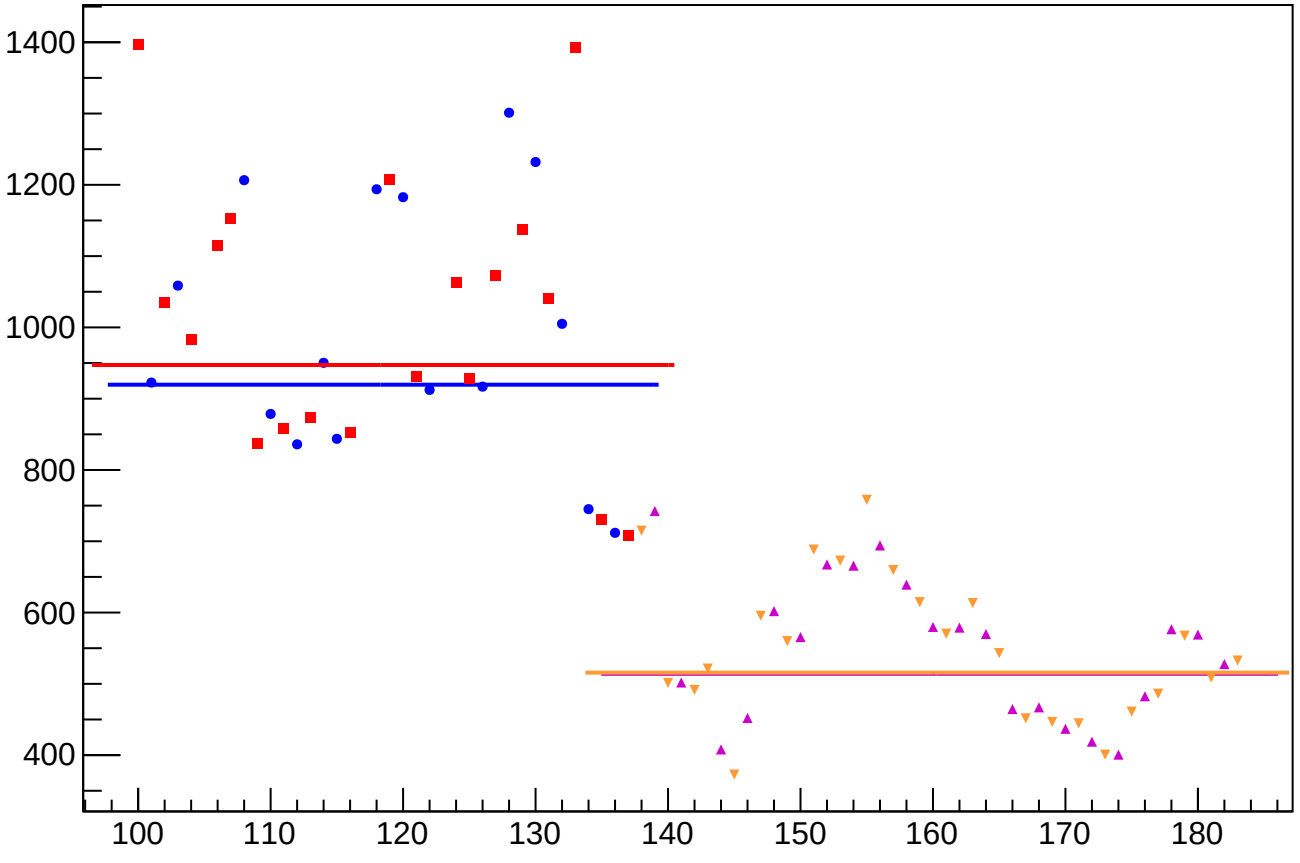
Left In: -126.324+/-123.350 χ^2/NDF:20.8/21

\+ sign -603.614+/-113.652 χ^2/NDF: 83.1/39

All: -402.785+/-81.329 χ^2/NDF: 124.4/80

\- sign -192.019+/-116.430 χ^2/NDF: 34.9/40

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 515.767+/-0.085 χ^2/NDF:1232478.3/23

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

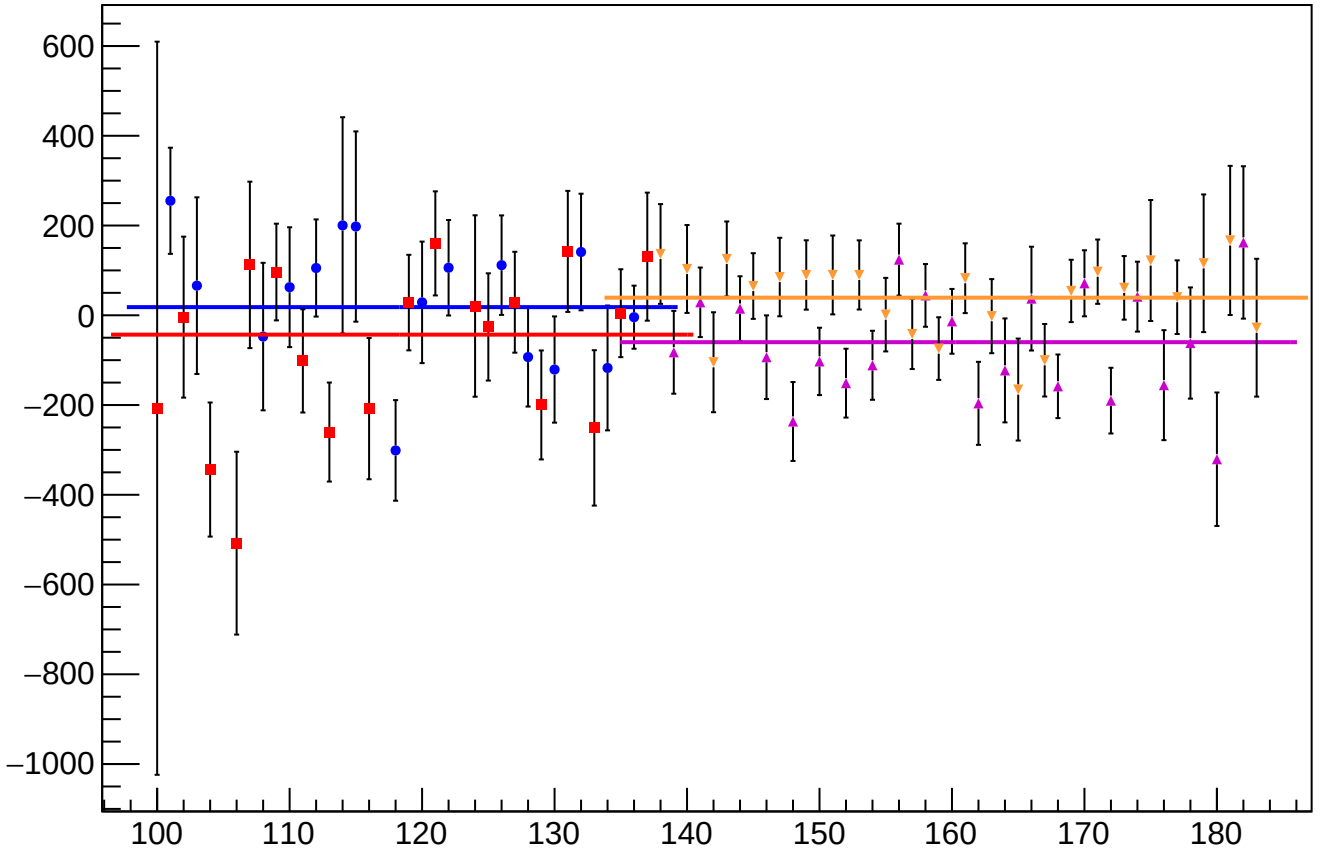
Left In: 514.075+/-0.087 χ^2/NDF:1116883.0/21

+ sign 558.334+/-0.080 χ^2/NDF: 4129276.0/39

All: 559.789+/-0.058 χ^2/NDF: 8362403.9/80

- sign 561.316+/-0.082 χ^2/NDF: 4232456.3/40

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 39.212+/-17.737 χ^2/NDF:18.4/23

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

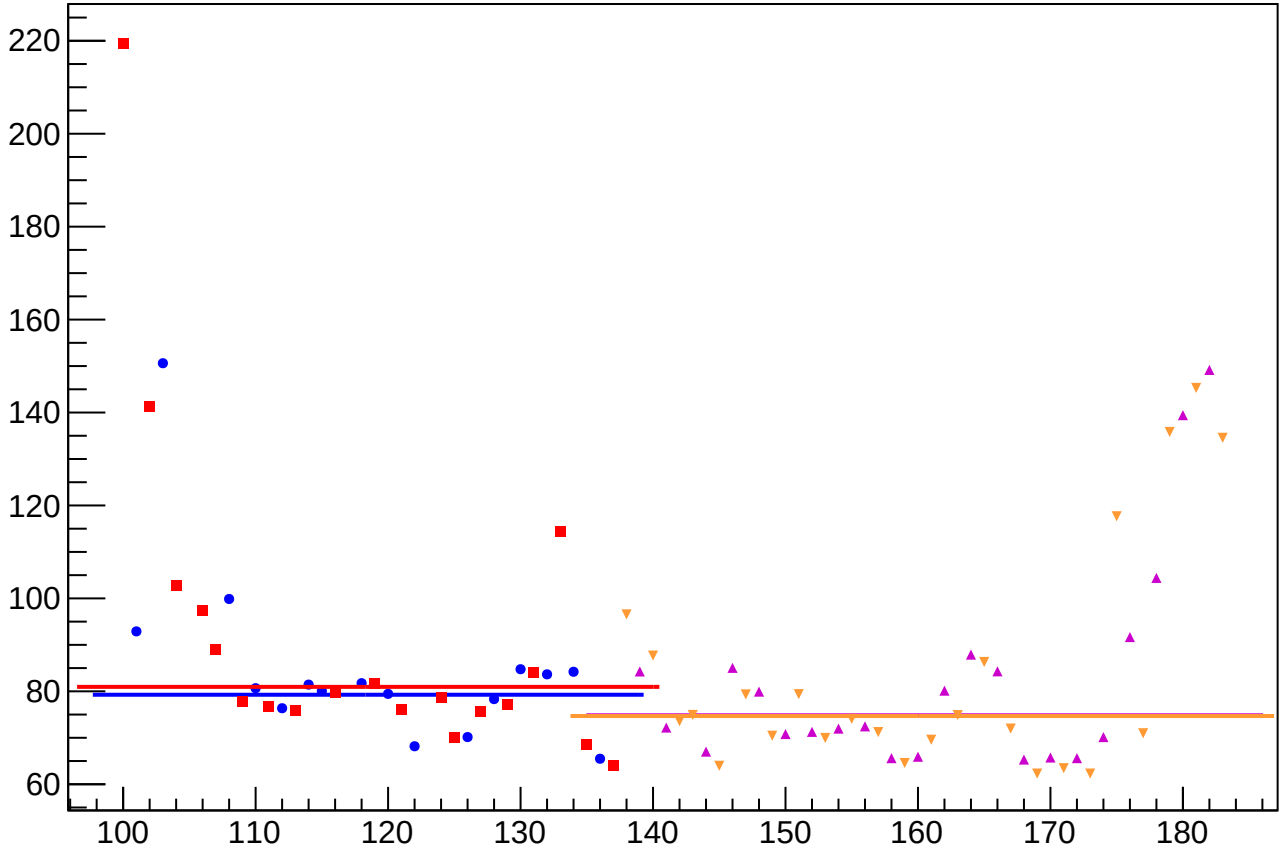
Left In: -59.949+/-18.250 χ^2/NDF:35.3/21

+ sign 33.855+/-15.313 χ^2/NDF: 38.9/39

All: -9.772+/-10.958 χ^2/NDF: 118.8/80

- sign -55.563+/-15.688 χ^2/NDF: 63.2/40

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 74.687+/-0.013 χ^2/NDF:1622630.7/23

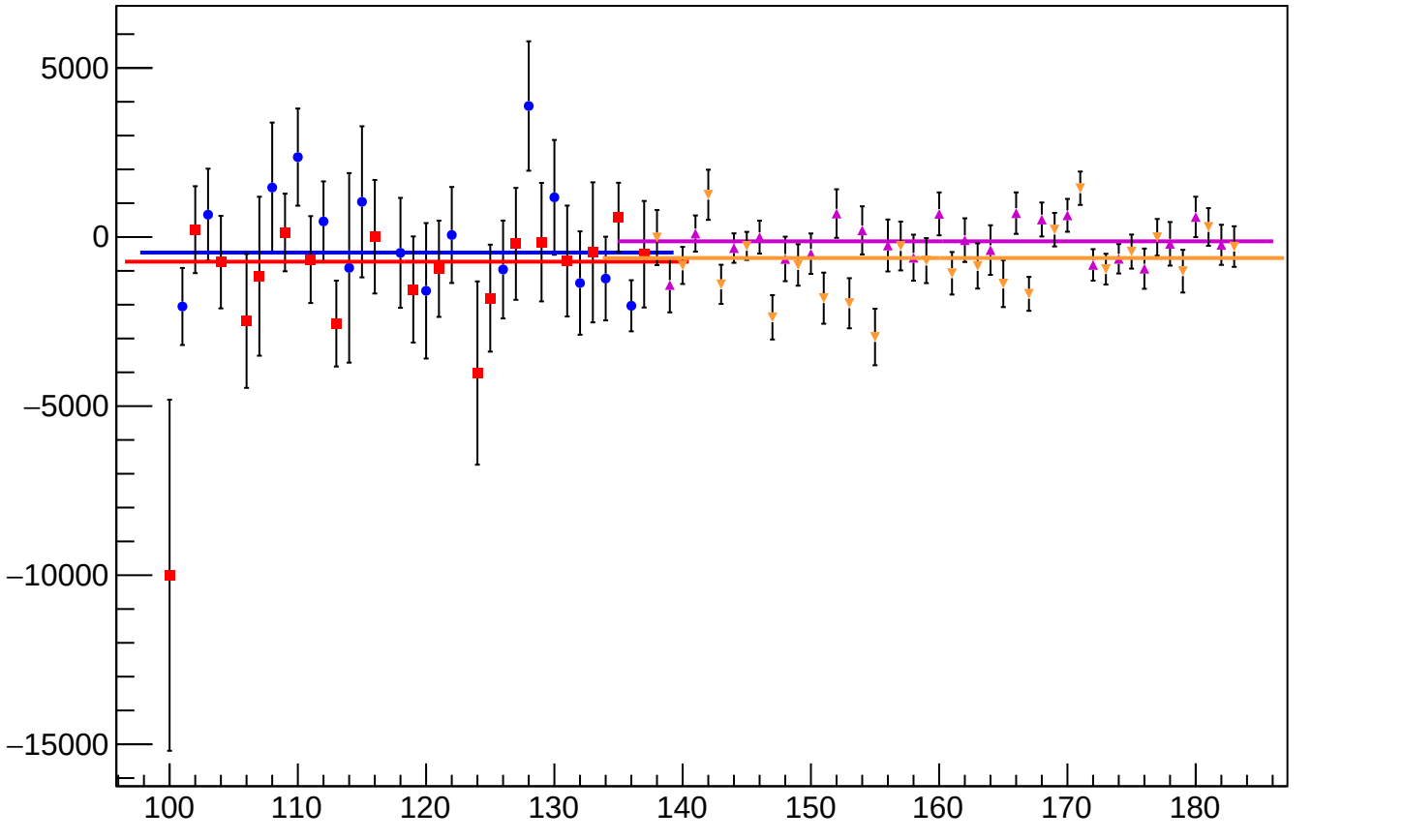
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 74.843+/-0.013 χ^2/NDF:1220670.4/21

+ sign 75.852+/-0.011 χ^2/NDF: 2101474.1/39

All: 76.139+/-0.008 χ^2/NDF: 3896376.6/80

- sign 76.440+/-0.011 χ^2/NDF: 1793466.9/40



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -620.756+/-120.161 χ^2/NDF:62.6/23

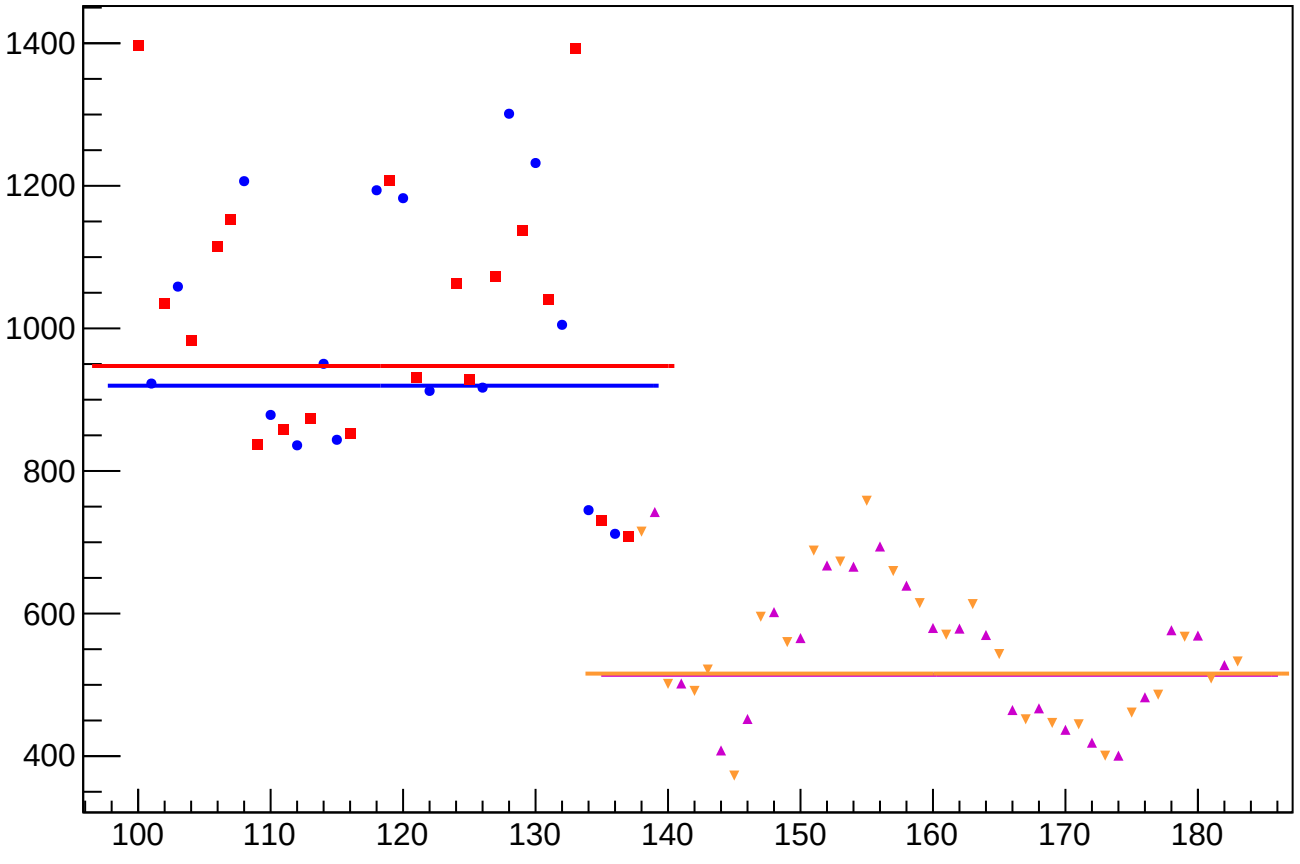
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -126.323+/-123.350 χ^2/NDF:20.8/21

+ sign -603.613+/-113.652 χ^2/NDF: 83.1/39

All: -402.784+/-81.328 χ^2/NDF: 124.4/80

- sign -192.018+/-116.430 χ^2/NDF: 34.9/40



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 515.766+/-0.085 χ^2/NDF:1232480.8/23

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

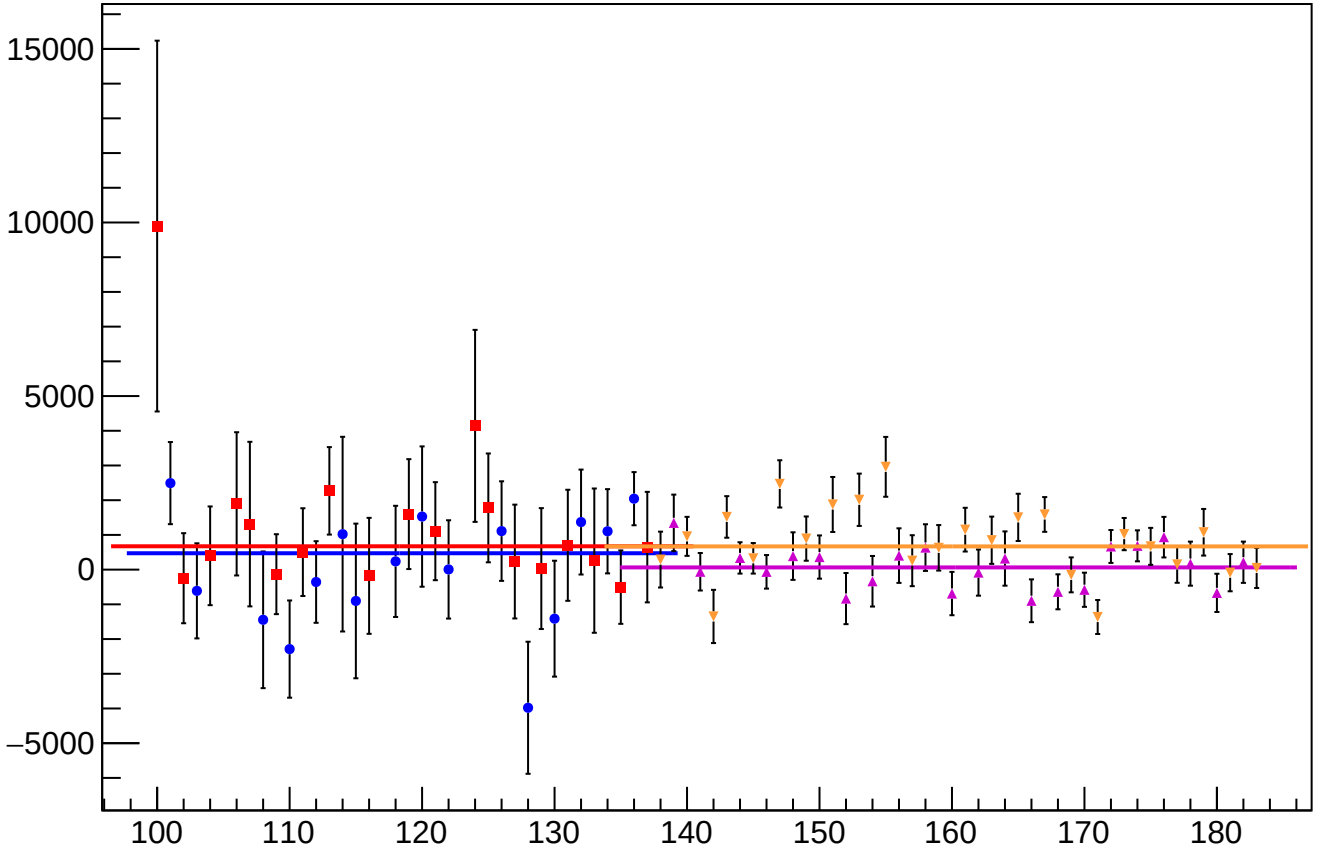
Left In: 514.074+/-0.087 χ^2/NDF:1116881.5/21

+ sign 558.333+/-0.080 χ^2/NDF: 4129276.3/39

All: 559.788+/-0.058 χ^2/NDF: 8362399.1/80

- sign 561.315+/-0.082 χ^2/NDF: 4232451.2/40

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 668.889+/-121.941 χ^2/NDF:60.6/23

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

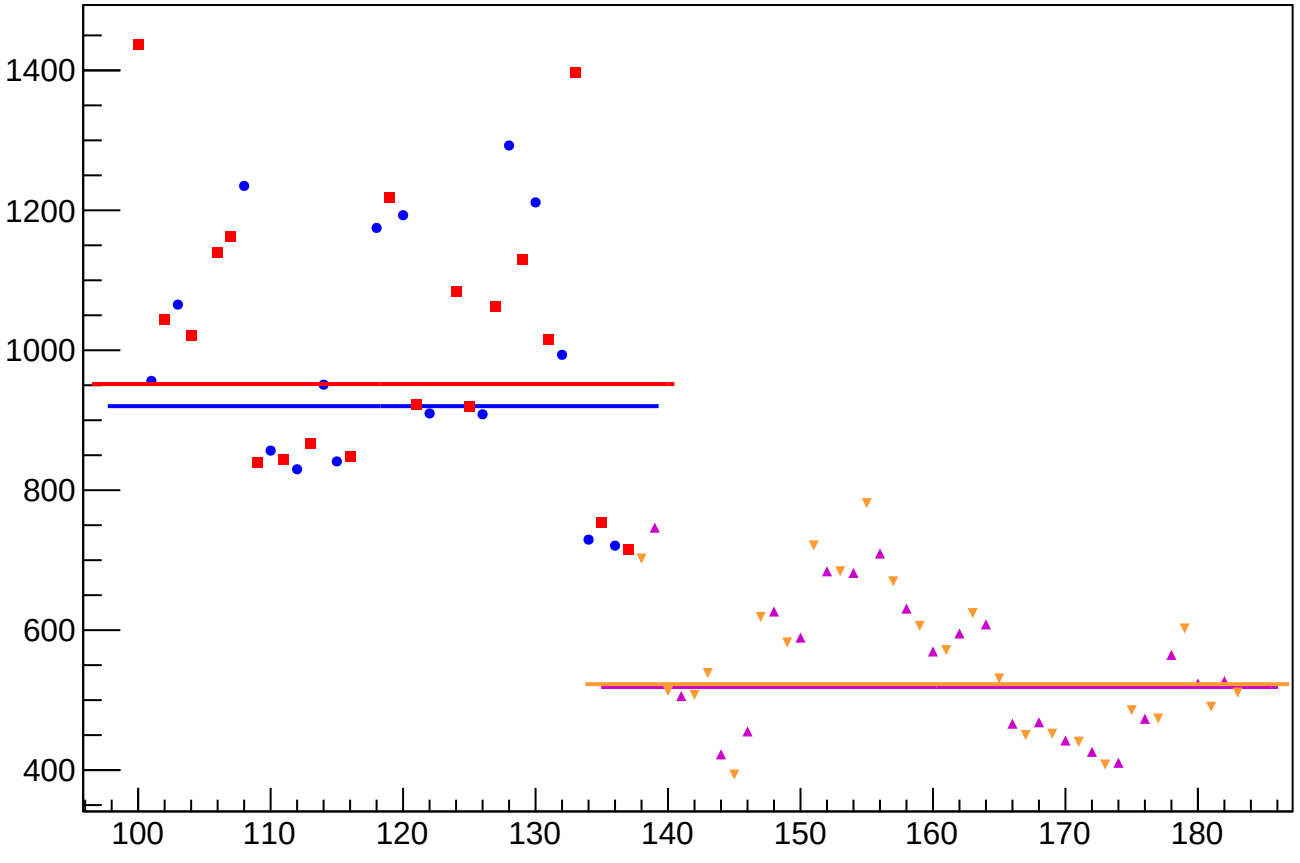
Left In: 63.867+/-124.456 χ^2/NDF:21.5/21

+ sign 647.618+/-115.166 χ^2/NDF: 82.4/39

All: 394.167+/-82.223 χ^2/NDF: 126.6/80

- sign 130.652+/-117.430 χ^2/NDF: 34.4/40

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 522.790+/-0.086 χ^2/NDF:1222049.1/23

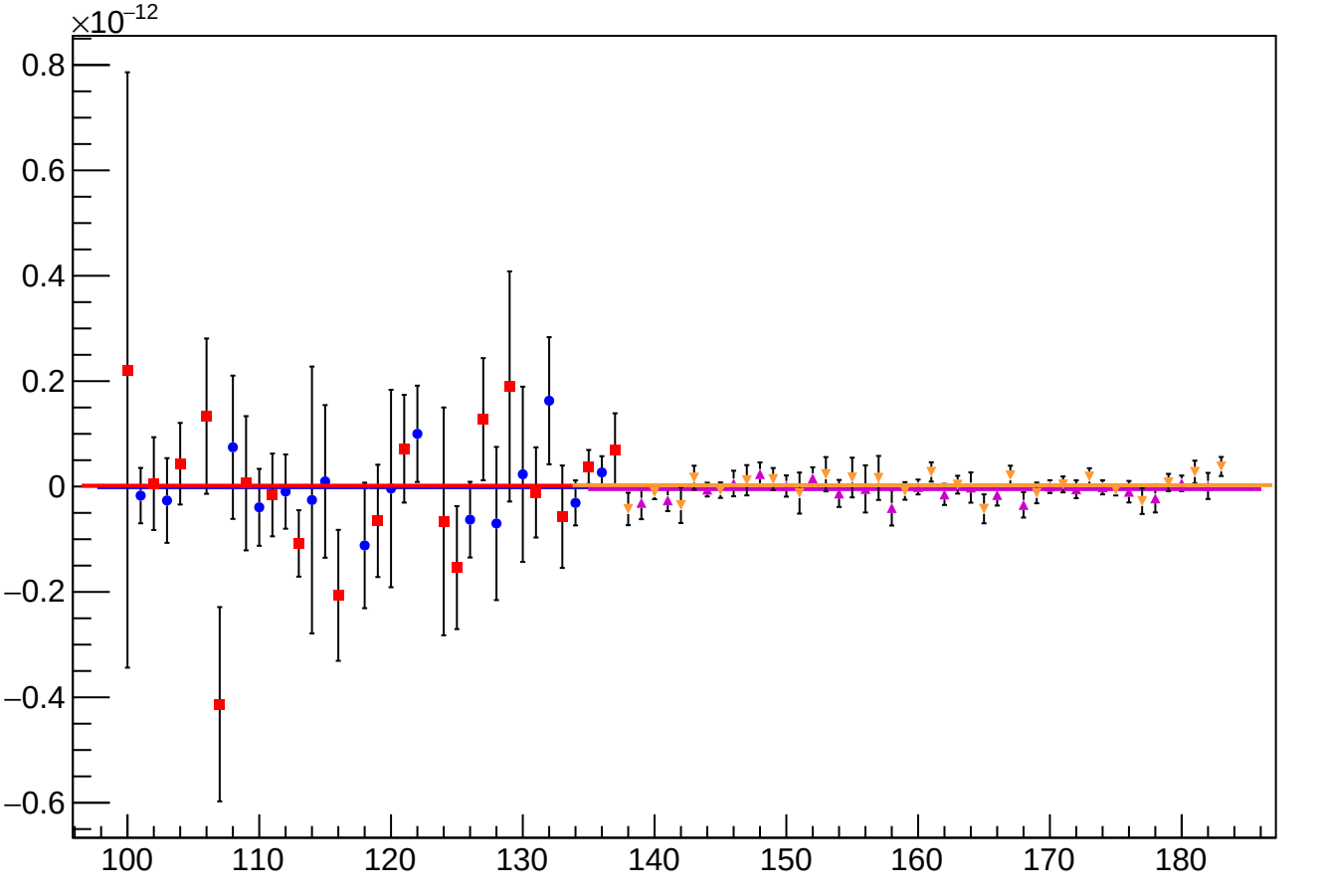
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.782+/-0.088 χ^2/NDF:1098758.7/21

\+ sign 565.717+/-0.081 χ^2/NDF: 4024886.4/39

All: 565.996+/-0.058 χ^2/NDF: 8195345.8/80

\- sign 566.286+/-0.083 χ^2/NDF: 4170435.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/23

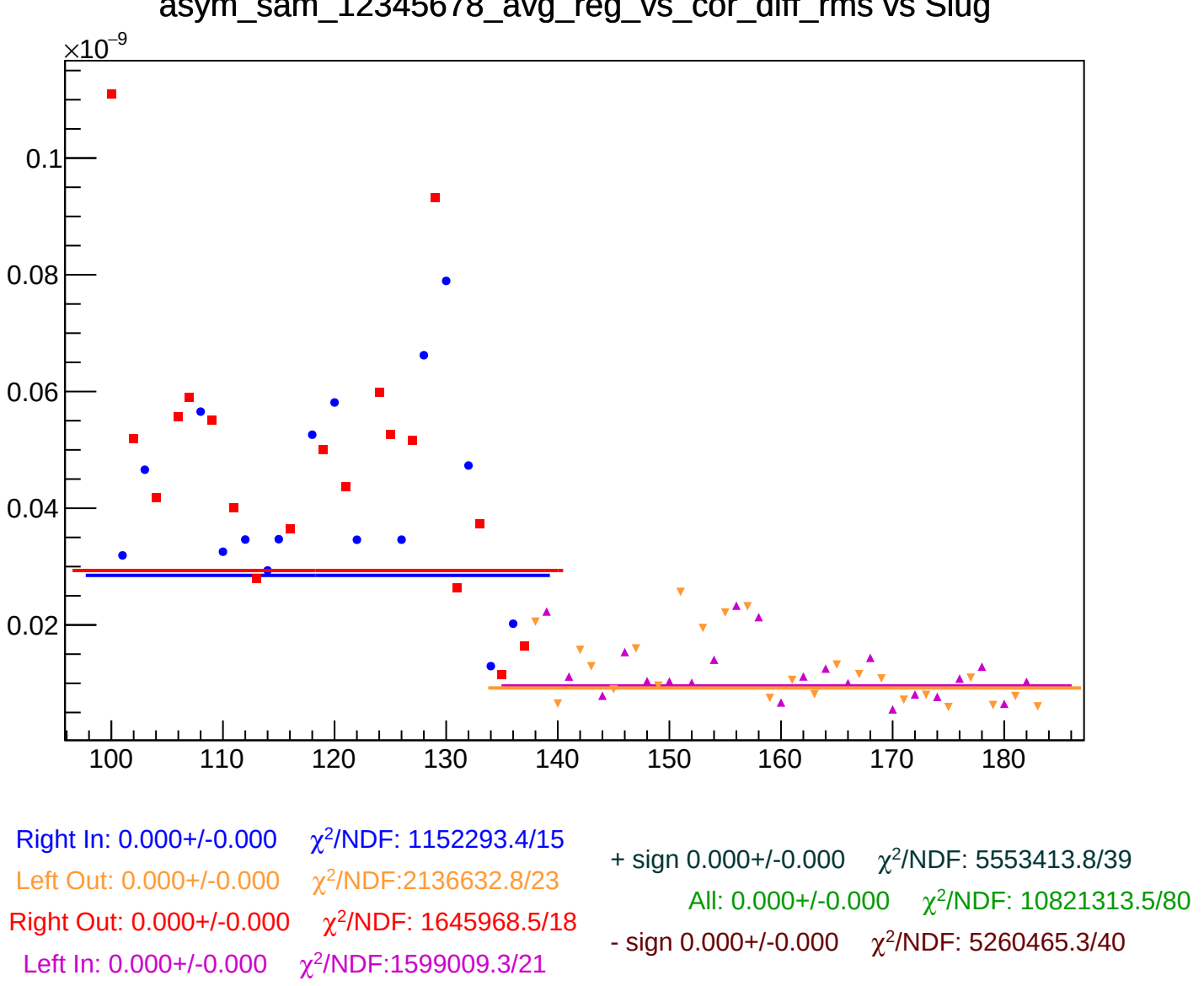
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

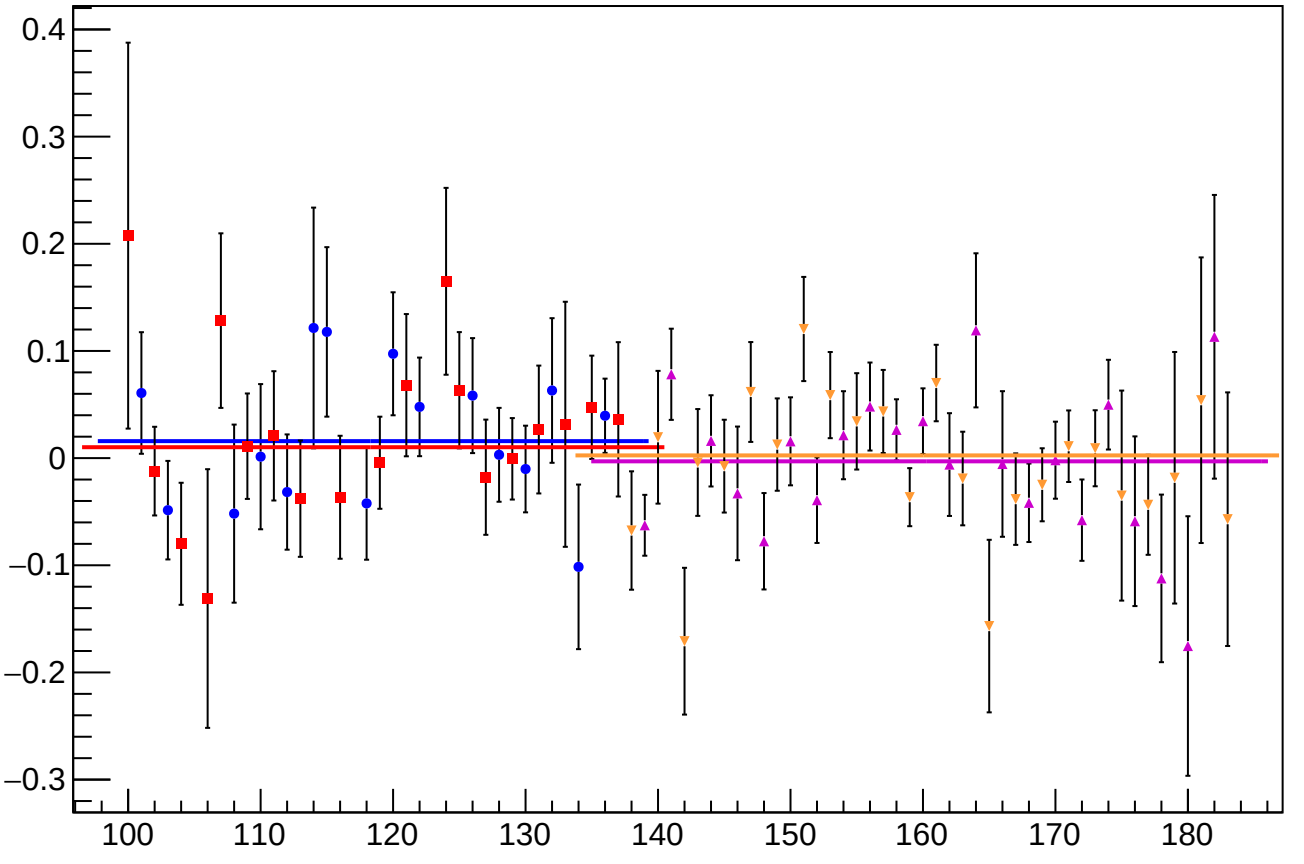
Left In: -0.000+/-0.000 χ^2/NDF:9.4/21

+ sign 0.000+/-0.000 χ^2/NDF: 28.9/39

All: -0.000+/-0.000 χ^2/NDF: 59.4/80

- sign -0.000+/-0.000 χ^2/NDF: 28.9/40


asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1152293.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2136632.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 1645968.5/18
Left In: 0.000+/-0.000 χ²/NDF:1599009.3/21
+ sign 0.000+/-0.000 χ²/NDF: 5553413.8/39
All: 0.000+/-0.000 χ²/NDF: 10821313.5/80
- sign 0.000+/-0.000 χ²/NDF: 5260465.3/40



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.3/23

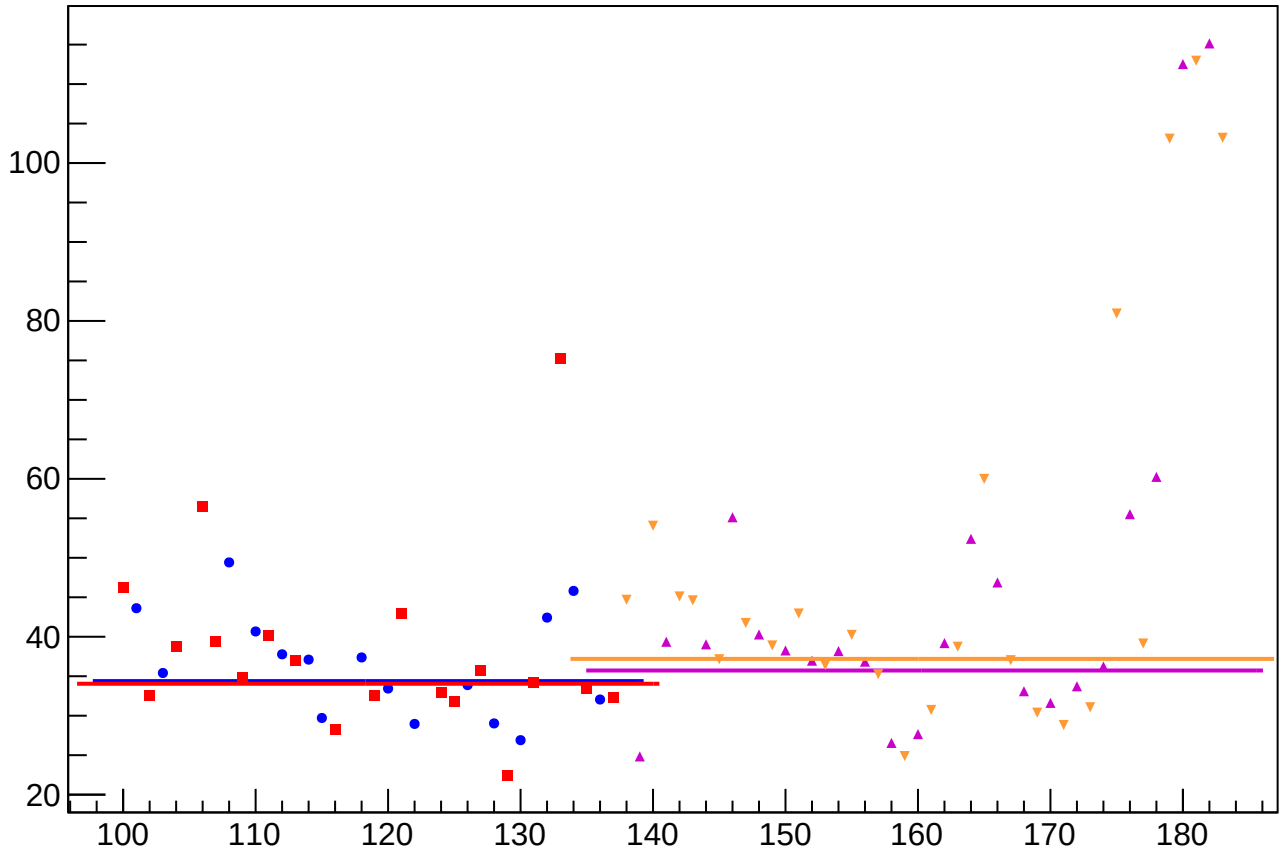
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.7/21

+ sign 0.007+/-0.008 χ^2/NDF: 47.8/39

All: 0.004+/-0.005 χ^2/NDF: 93.5/80

- sign 0.001+/-0.008 χ^2/NDF: 45.5/40



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528921.8/23

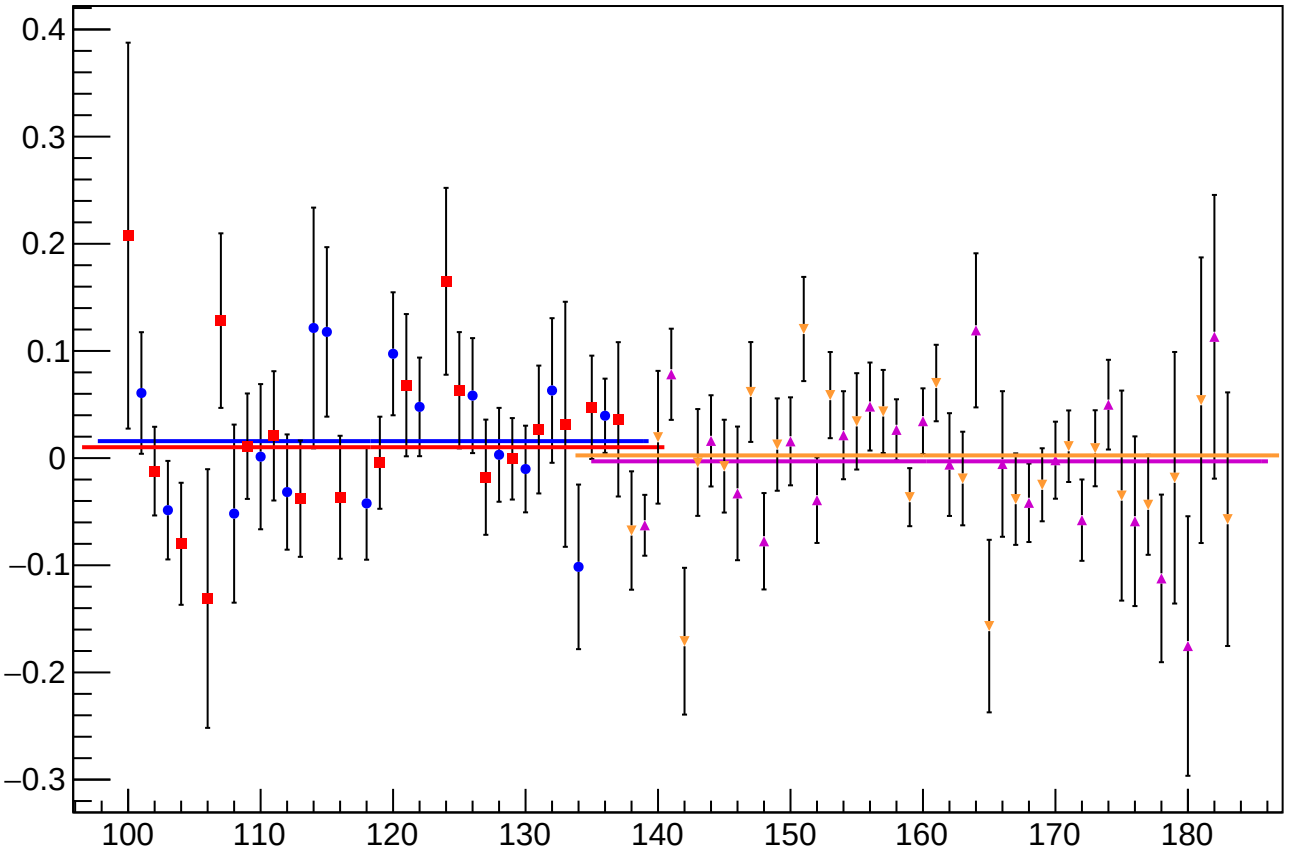
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.726+/-0.006 χ^2/NDF:2958880.6/21

+ sign 36.285+/-0.005 χ^2/NDF: 3956551.3/39

All: 35.726+/-0.004 χ^2/NDF: 7601206.2/80

- sign 35.180+/-0.005 χ^2/NDF: 3623374.2/40



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.3/23

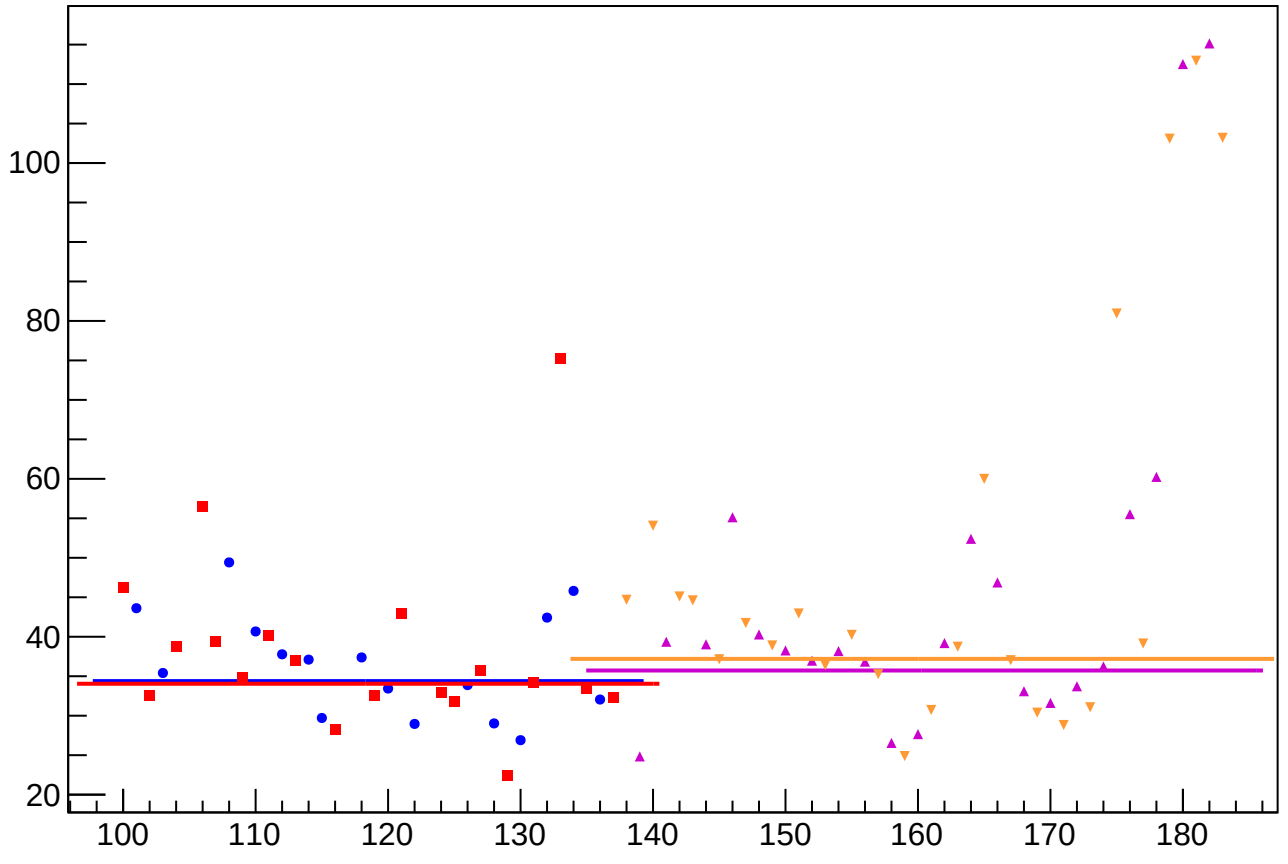
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.7/21

+ sign 0.007+/-0.008 χ^2/NDF: 47.8/39

All: 0.004+/-0.005 χ^2/NDF: 93.5/80

- sign 0.001+/-0.008 χ^2/NDF: 45.5/40



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528921.8/23

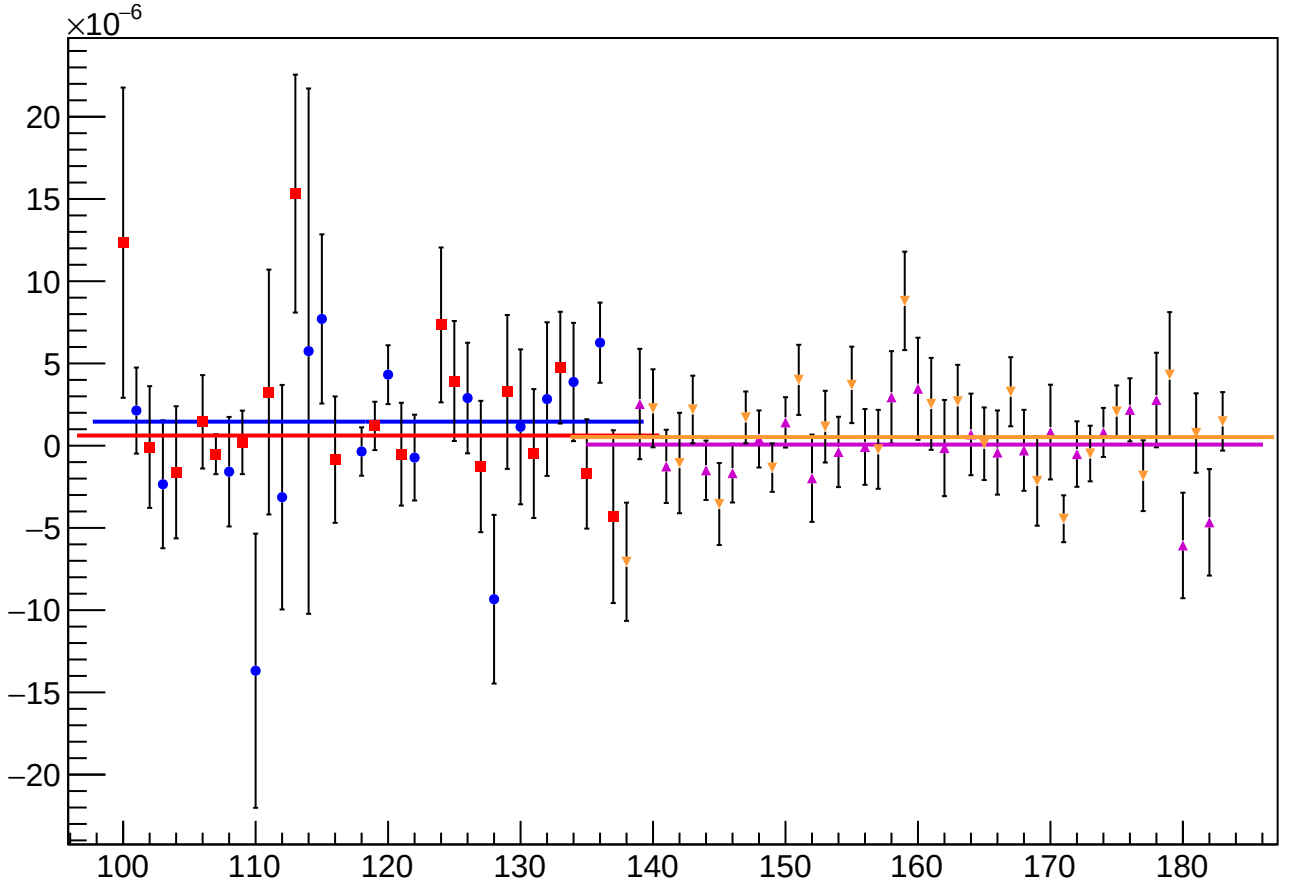
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.726+/-0.006 χ^2/NDF:2958880.6/21

+ sign 36.285+/-0.005 χ^2/NDF: 3956551.3/39

All: 35.726+/-0.004 χ^2/NDF: 7601206.2/80

- sign 35.180+/-0.005 χ^2/NDF: 3623374.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/23

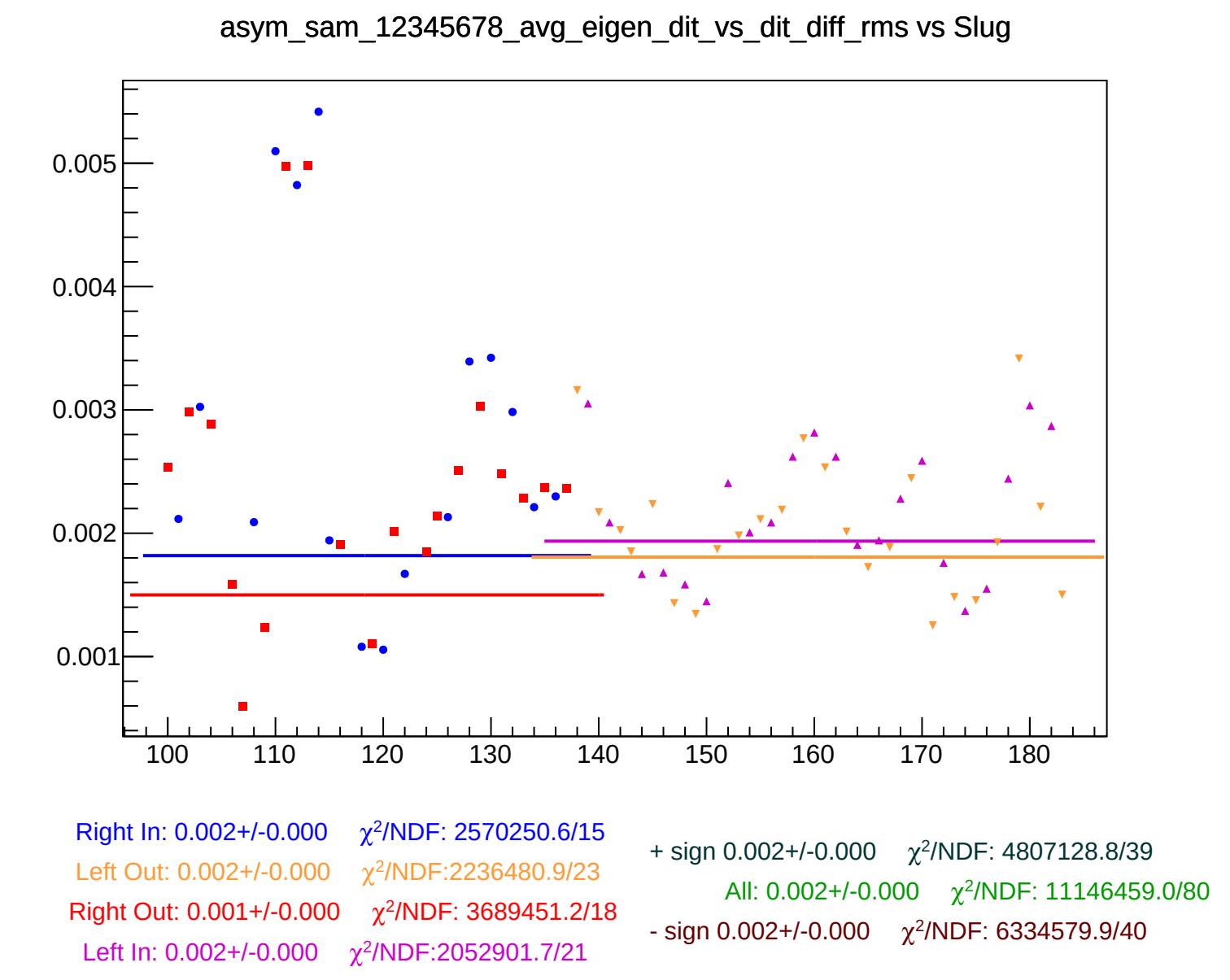
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

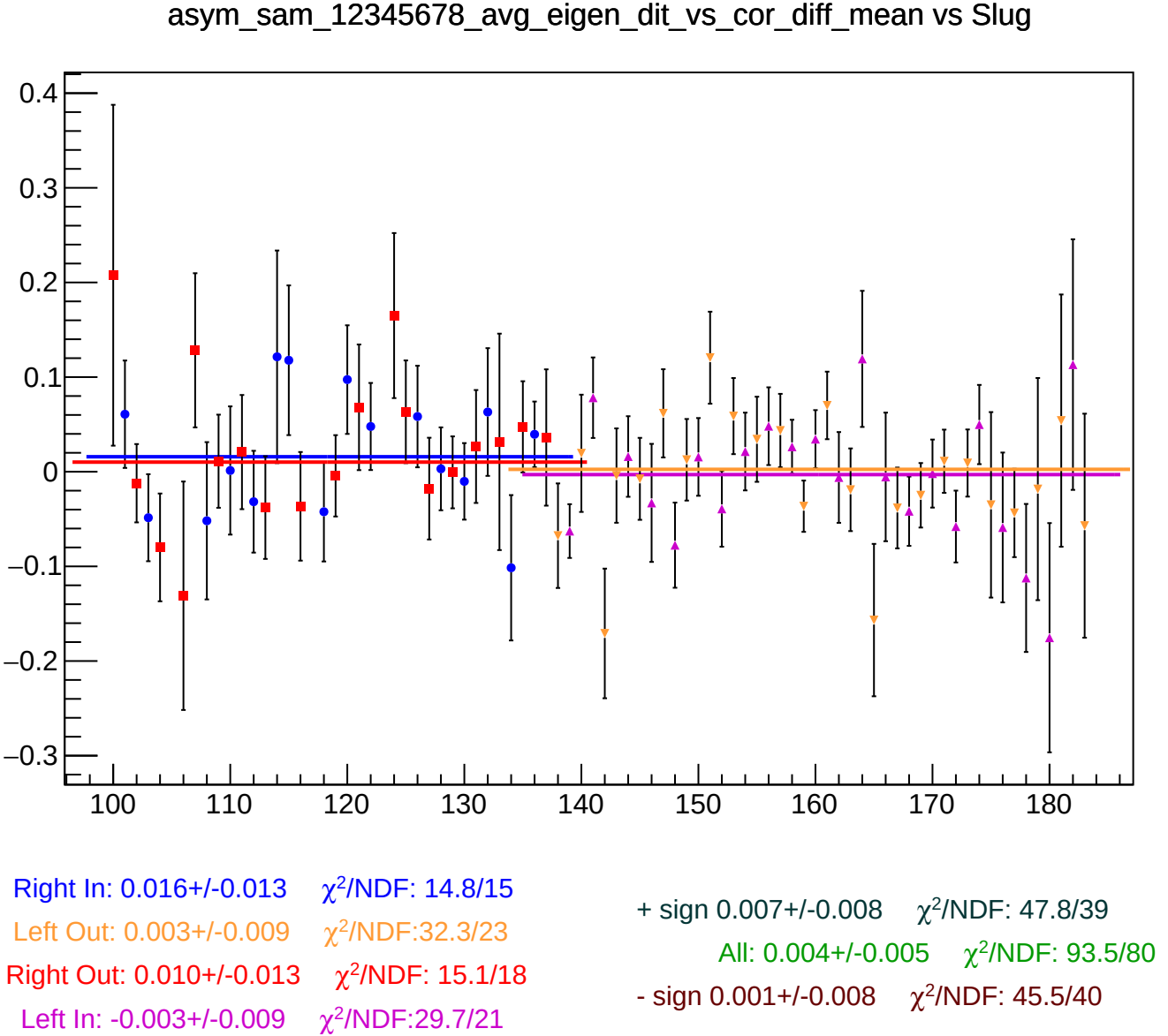
Left In: 0.000+/-0.000 χ^2/NDF:14.7/21

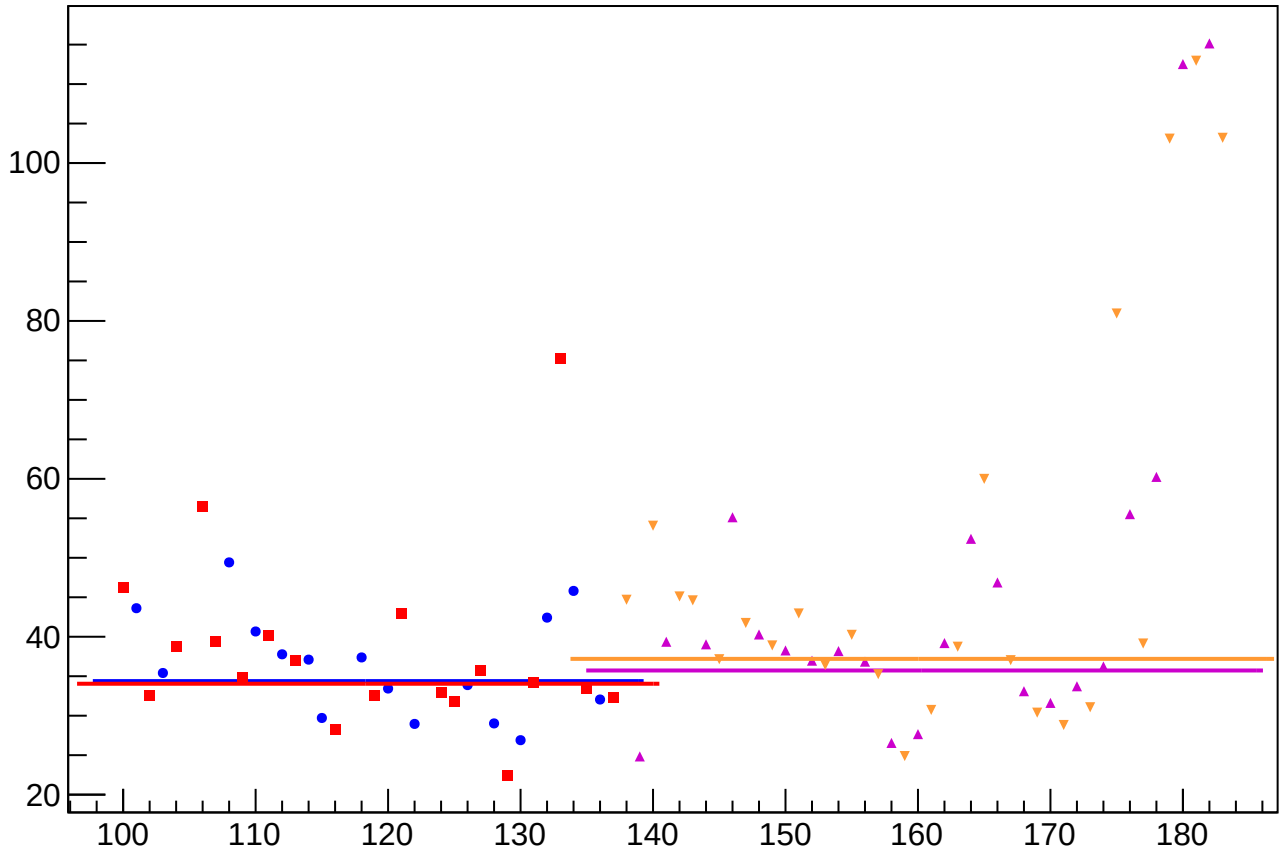
+ sign 0.000+/-0.000 χ^2/NDF: 65.4/39

All: 0.000+/-0.000 χ^2/NDF: 95.4/80

- sign 0.000+/-0.000 χ^2/NDF: 29.1/40


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2570250.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2236480.9/23
Right Out: 0.001+/-0.000 χ²/NDF: 3689451.2/18
Left In: 0.002+/-0.000 χ²/NDF:2052901.7/21
+ sign 0.002+/-0.000 χ²/NDF: 4807128.8/39
All: 0.002+/-0.000 χ²/NDF: 11146459.0/80
- sign 0.002+/-0.000 χ²/NDF: 6334579.9/40


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.003+/-0.009 χ²/NDF:32.3/23
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.003+/-0.009 χ²/NDF:29.7/21
+ sign 0.007+/-0.008 χ²/NDF: 47.8/39
All: 0.004+/-0.005 χ²/NDF: 93.5/80
- sign 0.001+/-0.008 χ²/NDF: 45.5/40



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528974.9/23

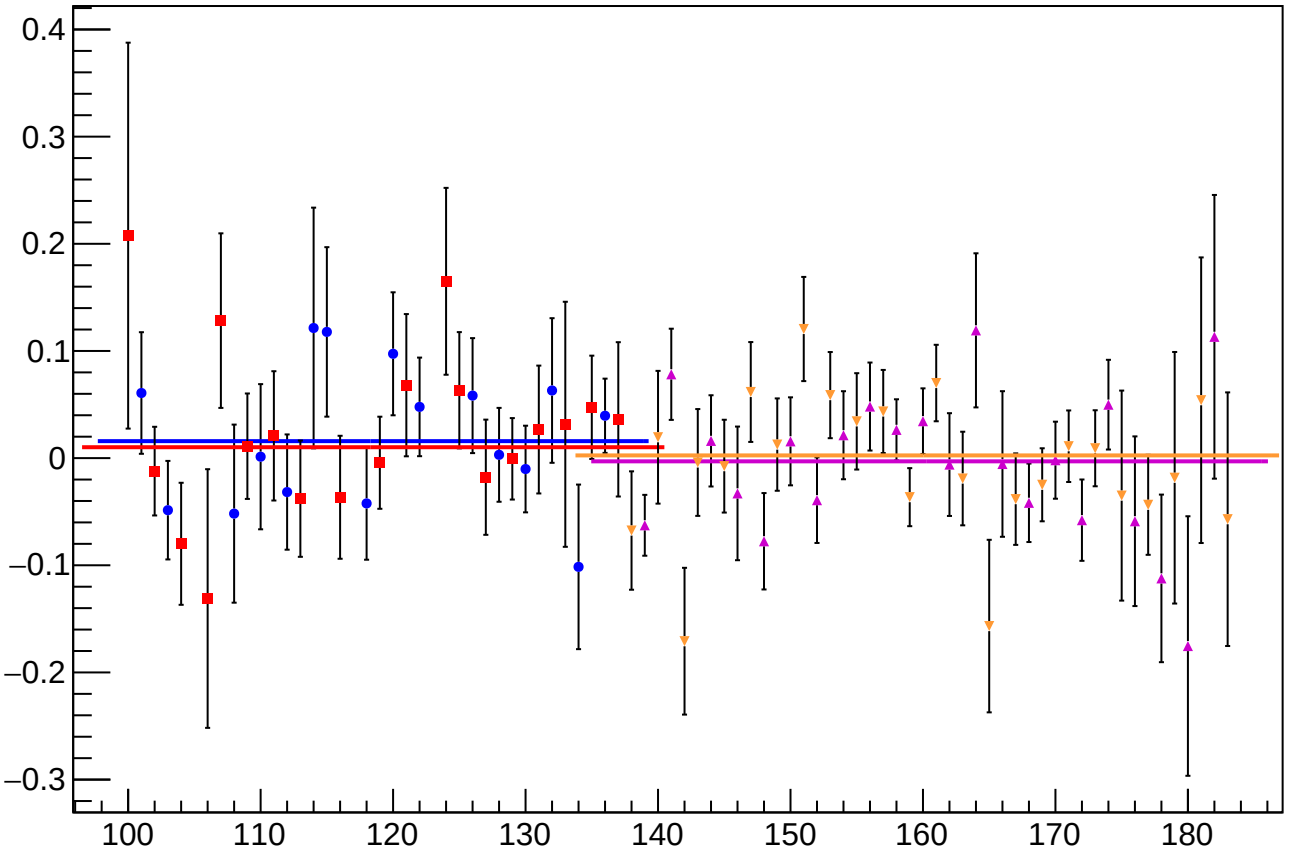
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.727+/-0.006 χ^2/NDF:2958898.4/21

+ sign 36.285+/-0.005 χ^2/NDF: 3956703.3/39

All: 35.726+/-0.004 χ^2/NDF: 7601435.9/80

- sign 35.180+/-0.005 χ^2/NDF: 3623457.9/40



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.3/23

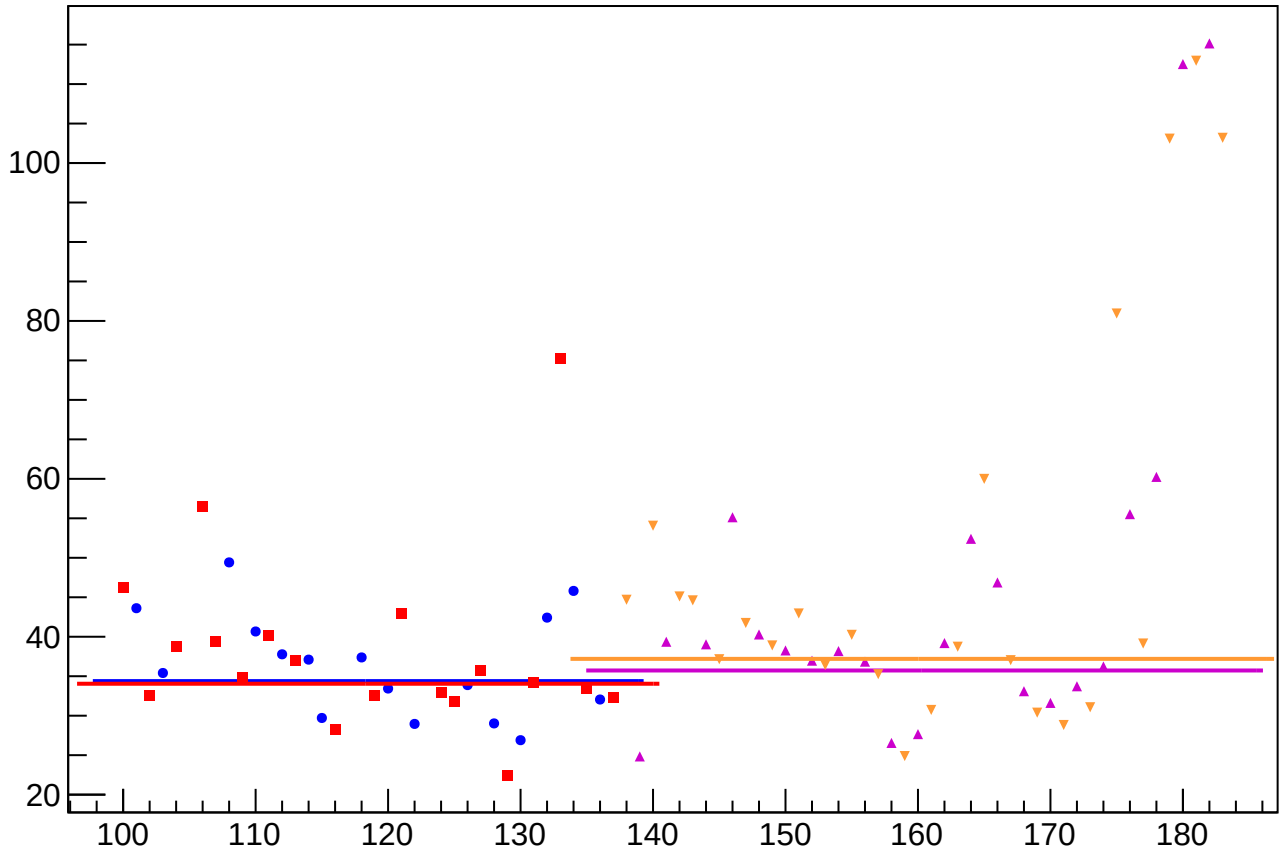
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.7/21

+ sign 0.007+/-0.008 χ^2/NDF: 47.8/39

All: 0.004+/-0.005 χ^2/NDF: 93.5/80

- sign 0.001+/-0.008 χ^2/NDF: 45.5/40



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528974.9/23

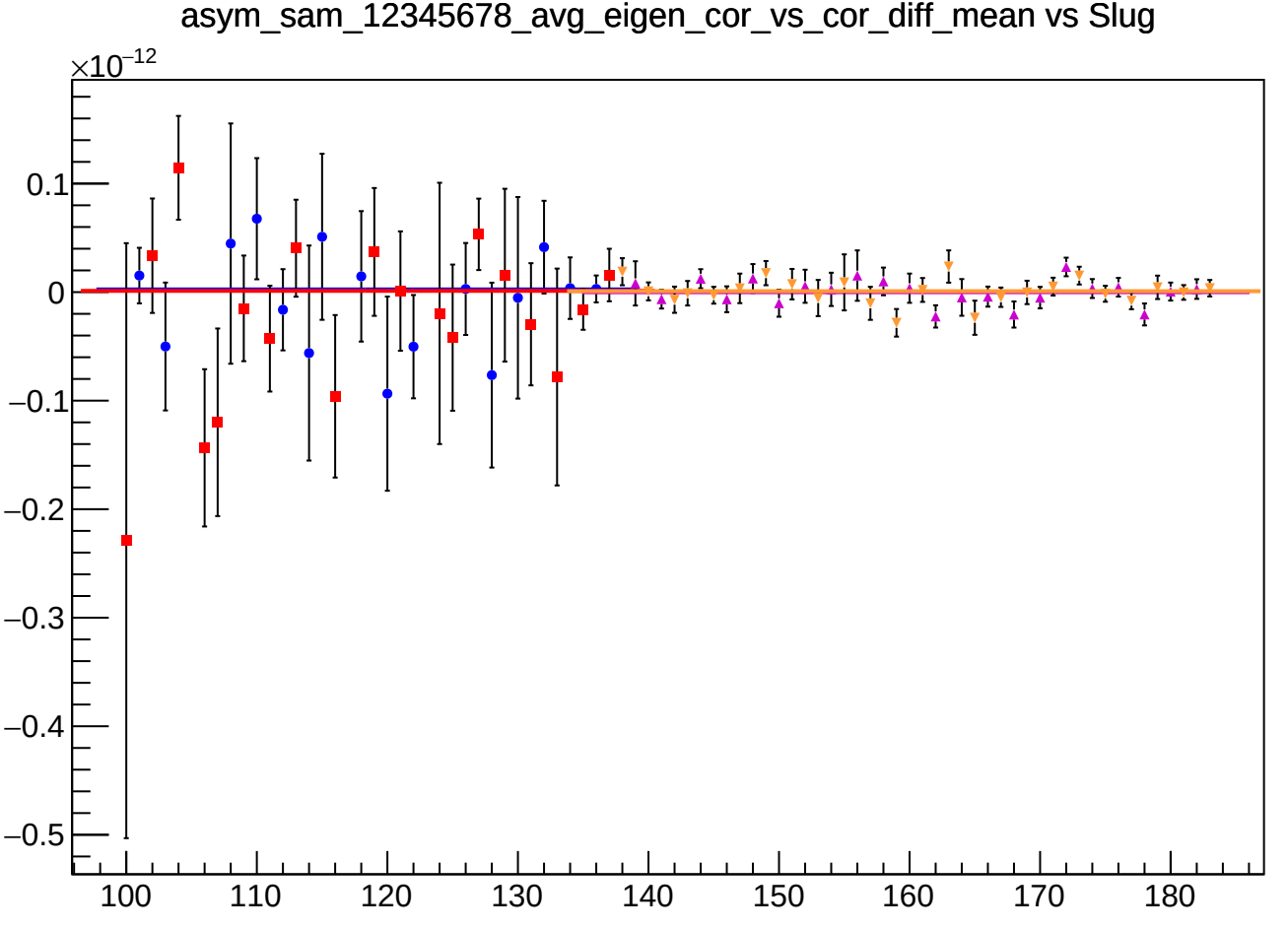
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.727+/-0.006 χ^2/NDF:2958898.4/21

+ sign 36.285+/-0.005 χ^2/NDF: 3956703.3/39

All: 35.726+/-0.004 χ^2/NDF: 7601435.9/80

- sign 35.180+/-0.005 χ^2/NDF: 3623457.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/23

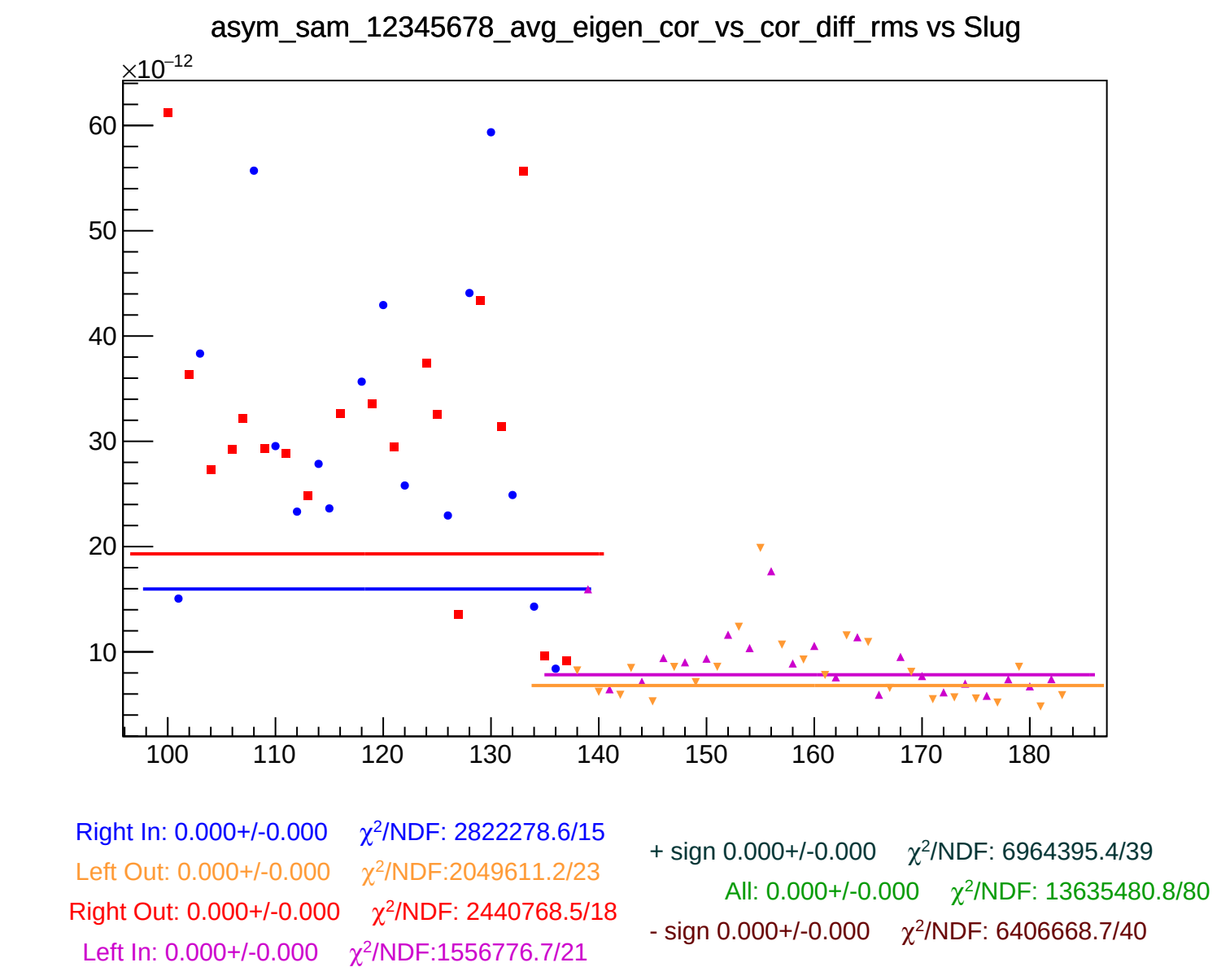
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:26.1/21

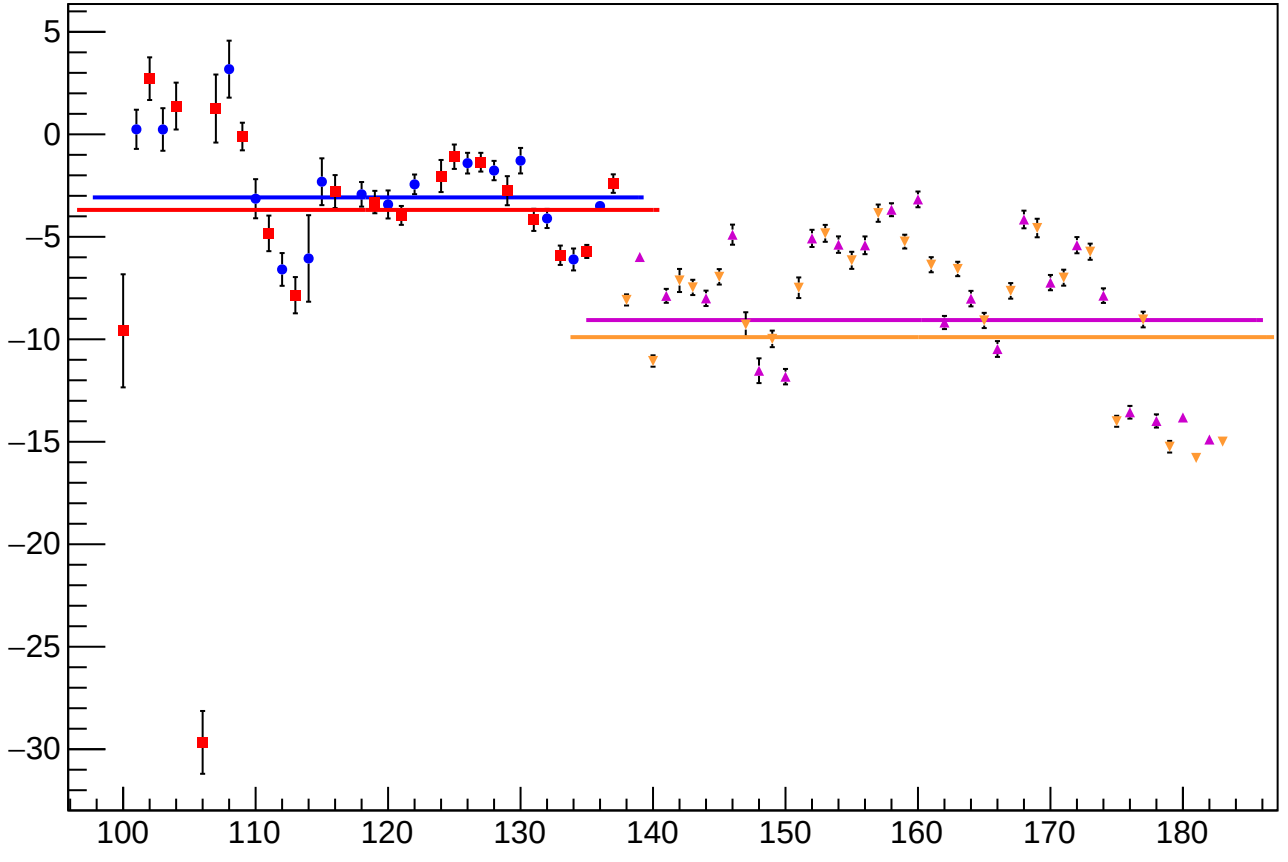
+ sign 0.000+/-0.000 χ^2/NDF: 29.1/39

All: 0.000+/-0.000 χ^2/NDF: 76.8/80

- sign -0.000+/-0.000 χ^2/NDF: 47.6/40


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2049611.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1556776.7/21
+ sign 0.000+/-0.000 χ²/NDF: 6964395.4/39
All: 0.000+/-0.000 χ²/NDF: 13635480.8/80
- sign 0.000+/-0.000 χ²/NDF: 6406668.7/40

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -9.895+/-0.070 χ^2/NDF:3206.1/23

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

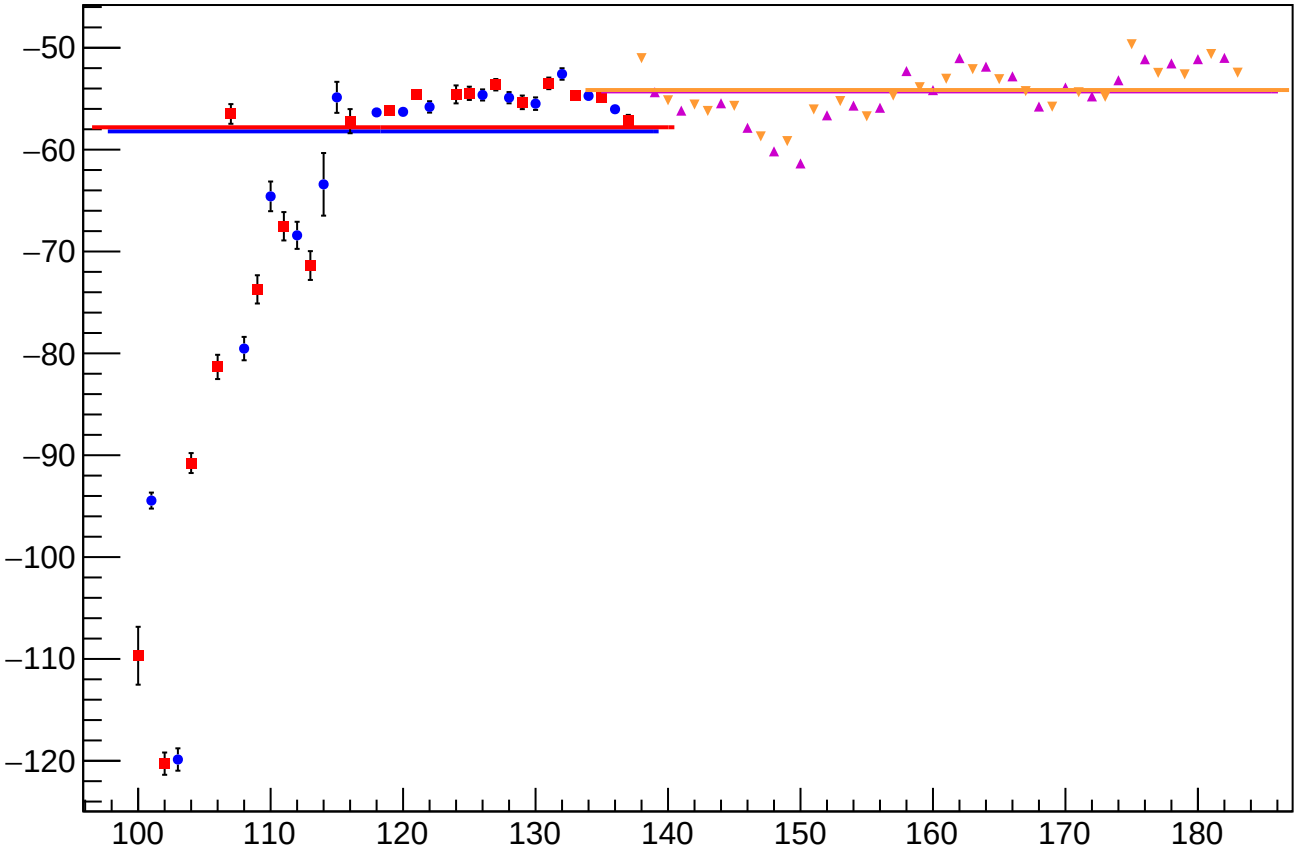
Left In: -9.062+/-0.073 χ^2/NDF:2869.6/21

+ sign -8.451+/-0.062 χ^2/NDF: 5343.4/39

All: -8.194+/-0.045 χ^2/NDF: 9939.9/80

- sign -7.917+/-0.065 χ^2/NDF: 4561.1/40

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.149+/-0.056 χ^2/NDF:1781.7/23

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

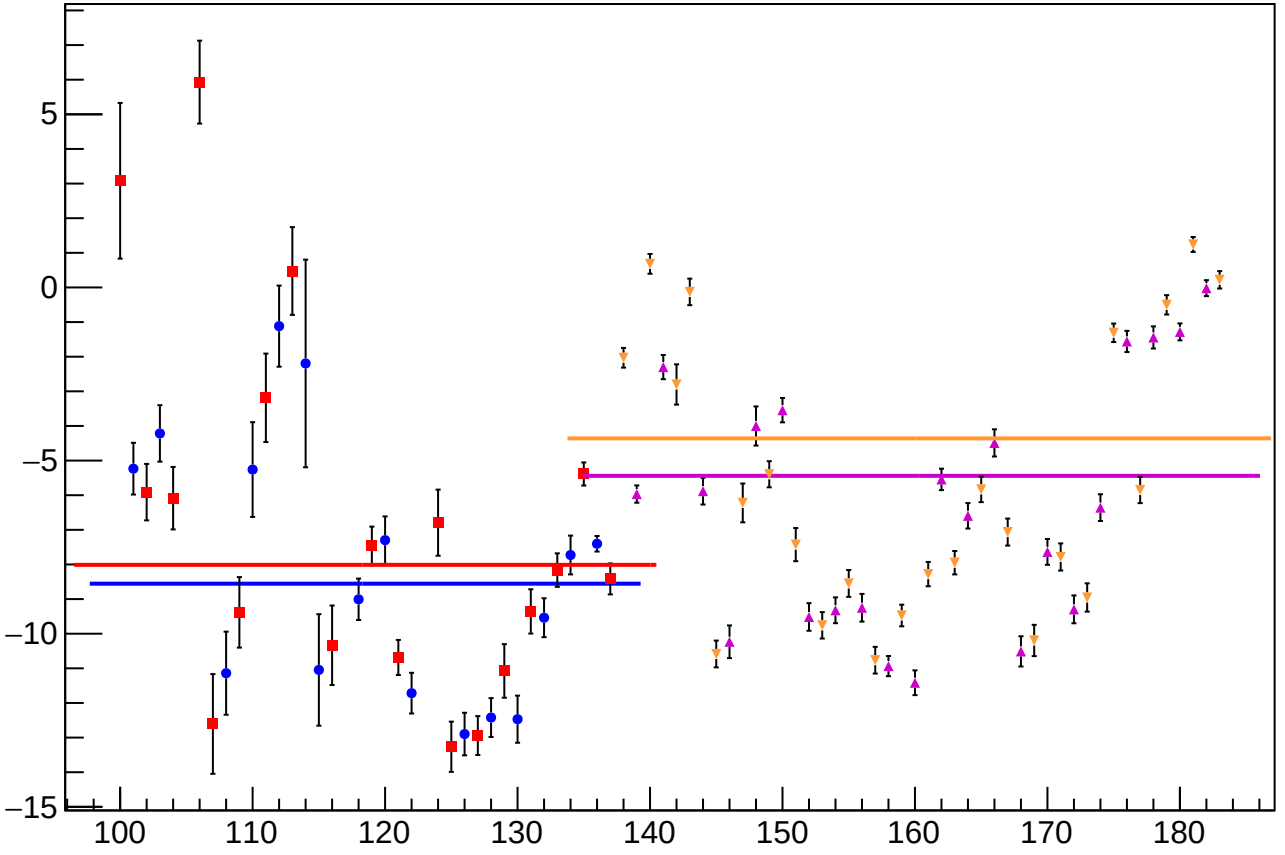
Left In: -54.282+/-0.059 χ^2/NDF:2482.5/21

+ sign -54.744+/-0.052 χ^2/NDF: 8672.3/39

All: -54.782+/-0.038 χ^2/NDF: 17495.7/80

- sign -54.825+/-0.054 χ^2/NDF: 8822.2/40

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -4.359+/-0.070 χ^2/NDF:3700.6/23

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

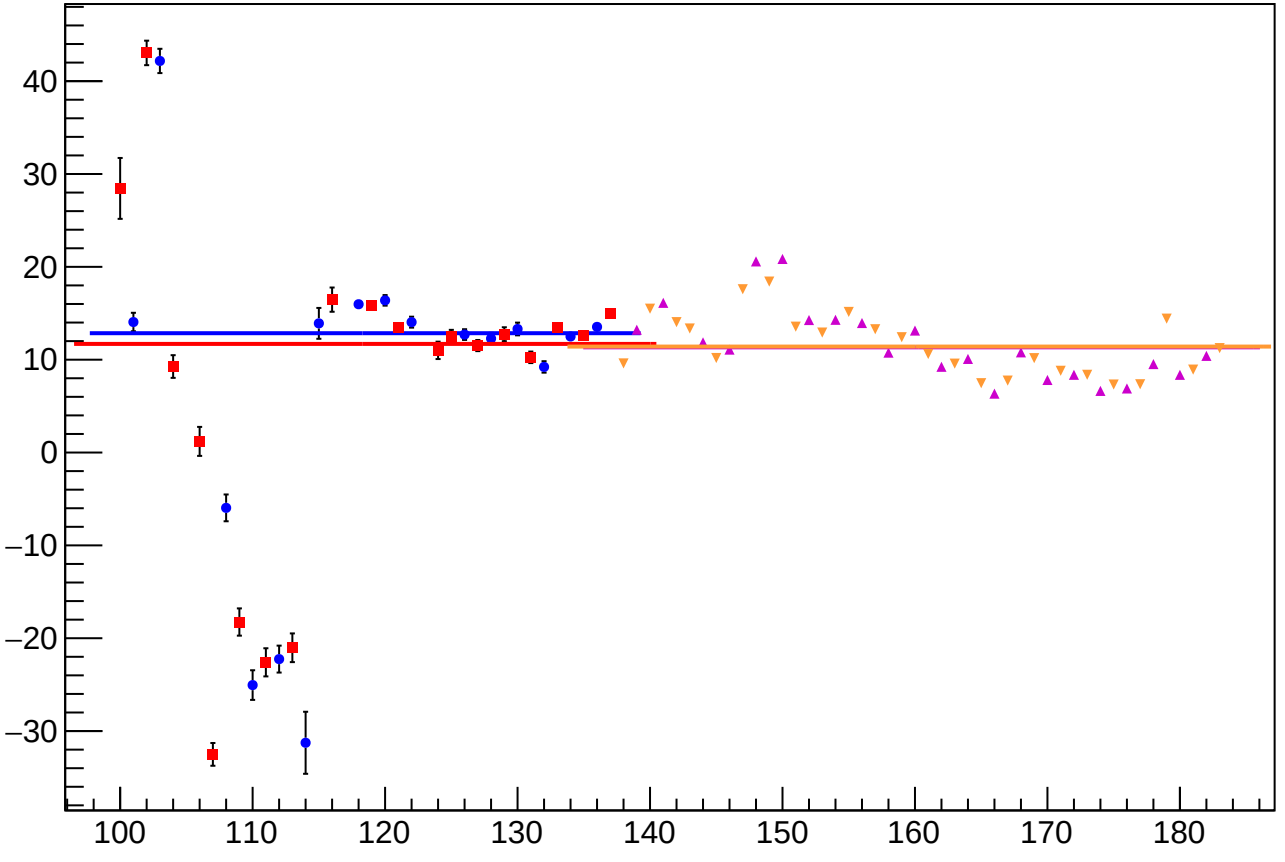
Left In: -5.440+/-0.072 χ^2/NDF:2605.1/21

+ sign -5.150+/-0.063 χ^2/NDF: 4683.6/39

All: -5.515+/-0.045 χ^2/NDF: 8079.3/80

- sign -5.909+/-0.065 χ^2/NDF: 3325.6/40

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.412+/-0.062 χ^2/NDF:2424.7/23

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

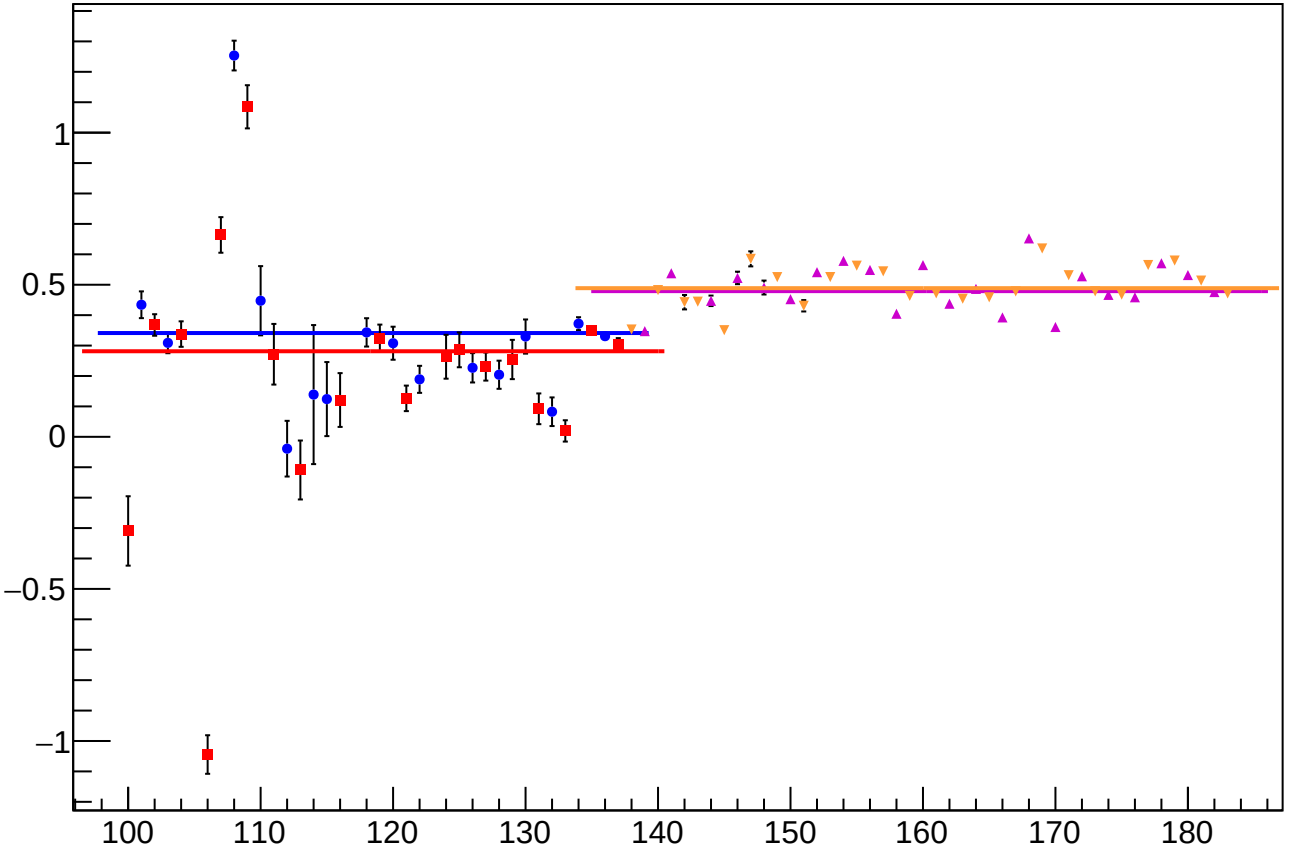
Left In: 11.330+/-0.065 χ^2/NDF:3252.2/21

+ sign 11.624+/-0.058 χ^2/NDF: 4631.5/39

All: 11.510+/-0.042 χ^2/NDF: 11395.6/80

- sign 11.385+/-0.060 χ^2/NDF: 6755.9/40

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.489+/-0.003 χ^2/NDF:531.4/23

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

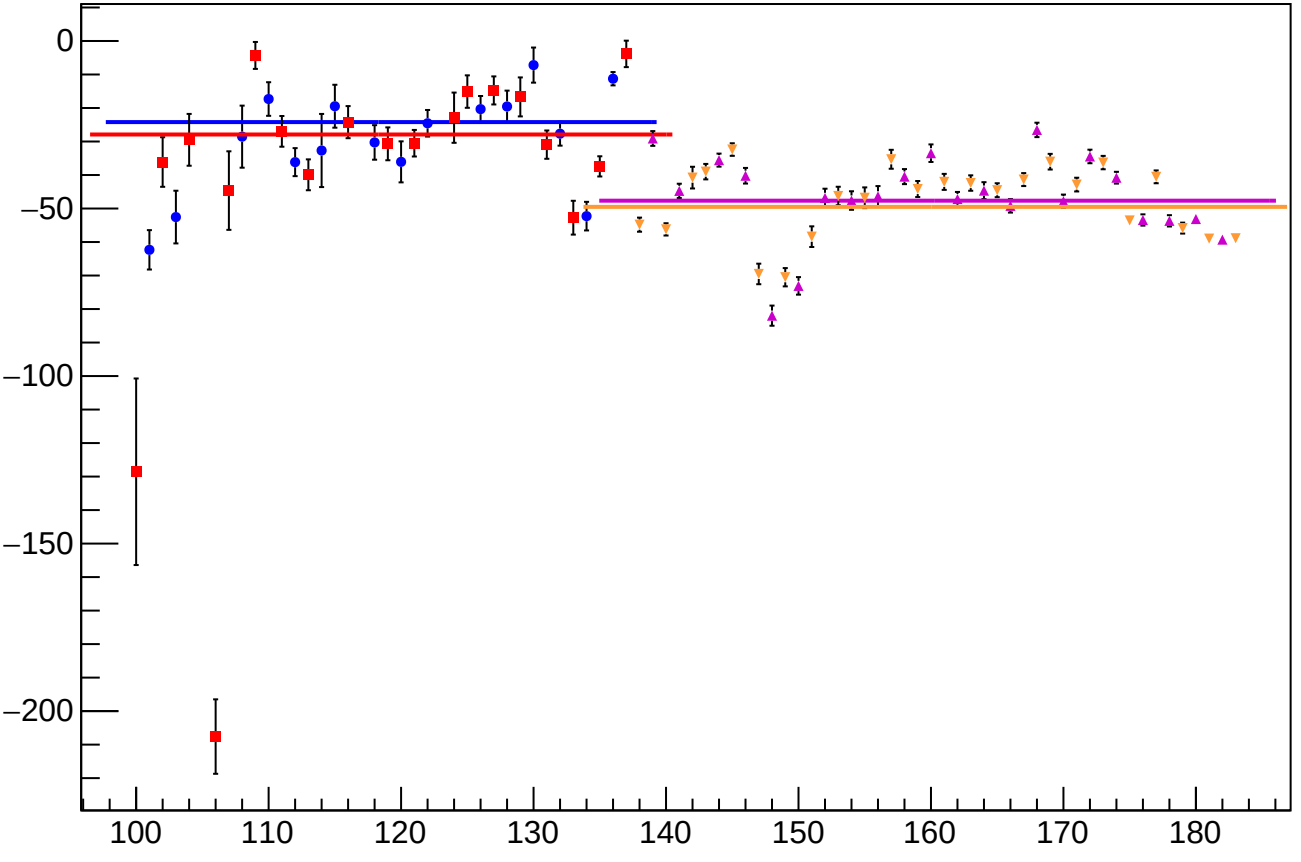
Left In: 0.479+/-0.003 χ^2/NDF:795.7/21

+ sign 0.473+/-0.003 χ^2/NDF: 1279.0/39

All: 0.466+/-0.002 χ^2/NDF: 3356.0/80

- sign 0.460+/-0.003 χ^2/NDF: 2064.7/40

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.503+/-0.407 χ^2/NDF:576.3/23

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

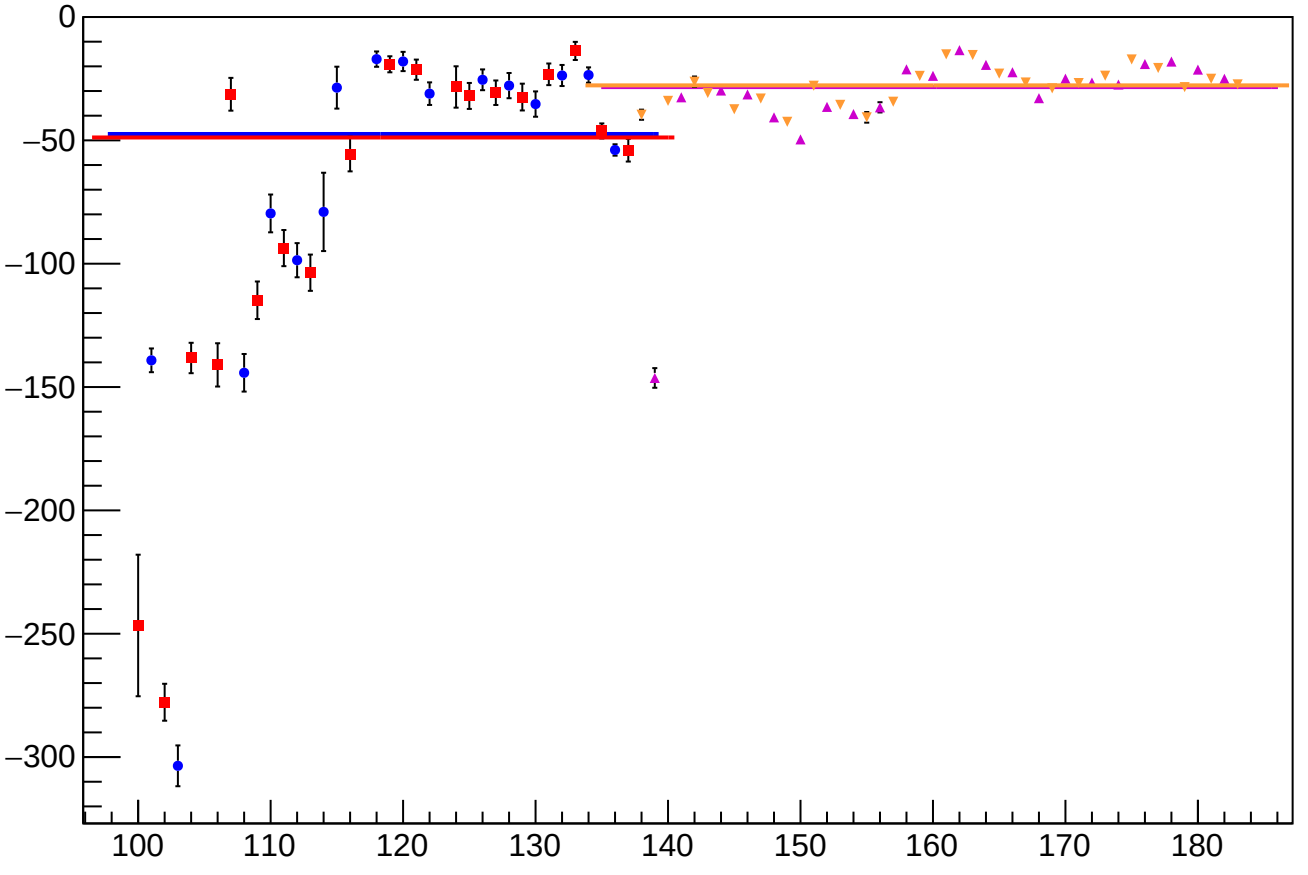
Left In: -47.661+/-0.426 χ^2/NDF:678.5/21

+ sign -46.389+/-0.381 χ^2/NDF: 1222.5/39

All: -45.835+/-0.276 χ^2/NDF: 2583.5/80

- sign -45.227+/-0.399 χ^2/NDF: 1356.5/40

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.709+/-0.324 χ^2/NDF:468.2/23

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

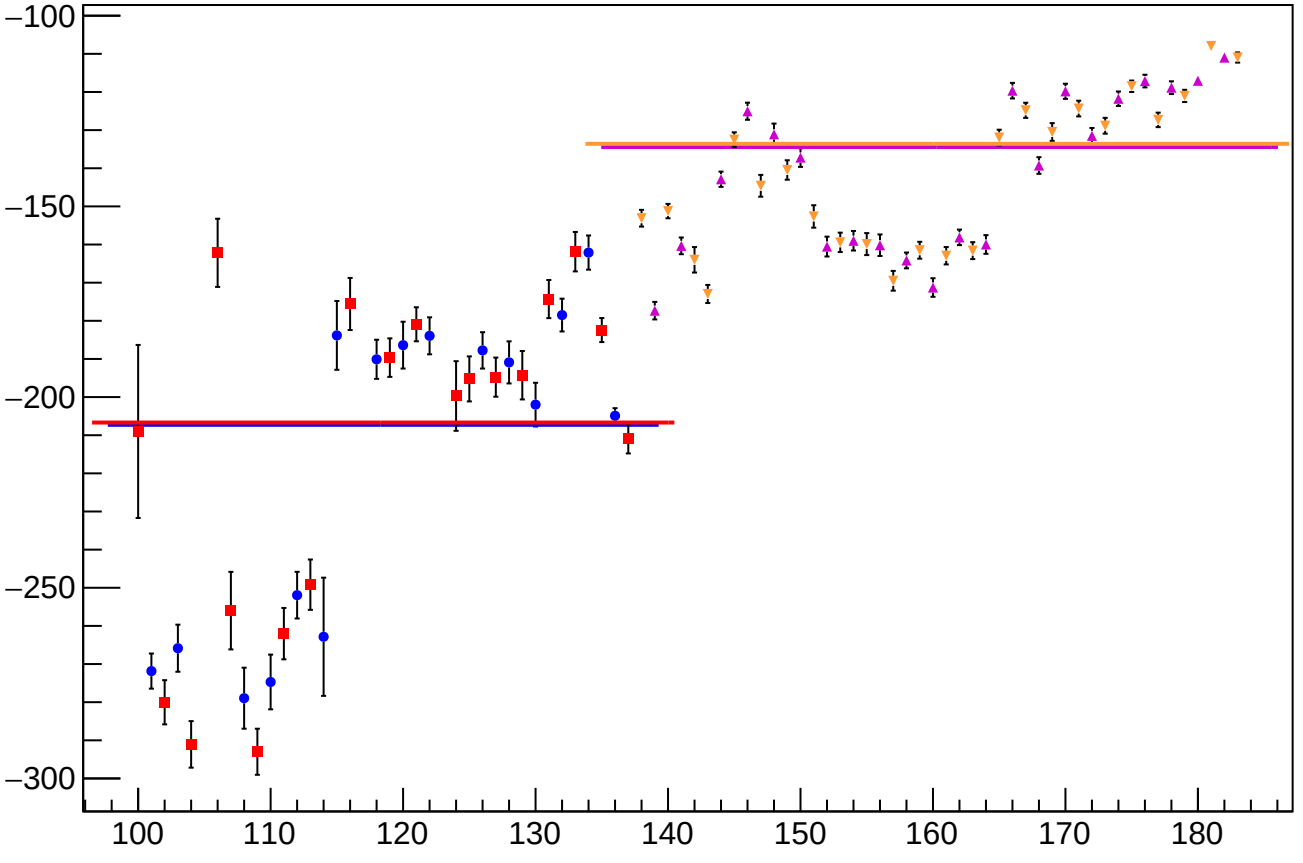
Left In: -28.405+/-0.338 χ^2/NDF:1468.3/21

+ sign -29.284+/-0.311 χ^2/NDF: 2636.7/39

All: -29.601+/-0.225 χ^2/NDF: 6157.7/80

- sign -29.947+/-0.325 χ^2/NDF: 3518.8/40

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -133.590+/-0.407 χ^2/NDF:2476.2/23

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

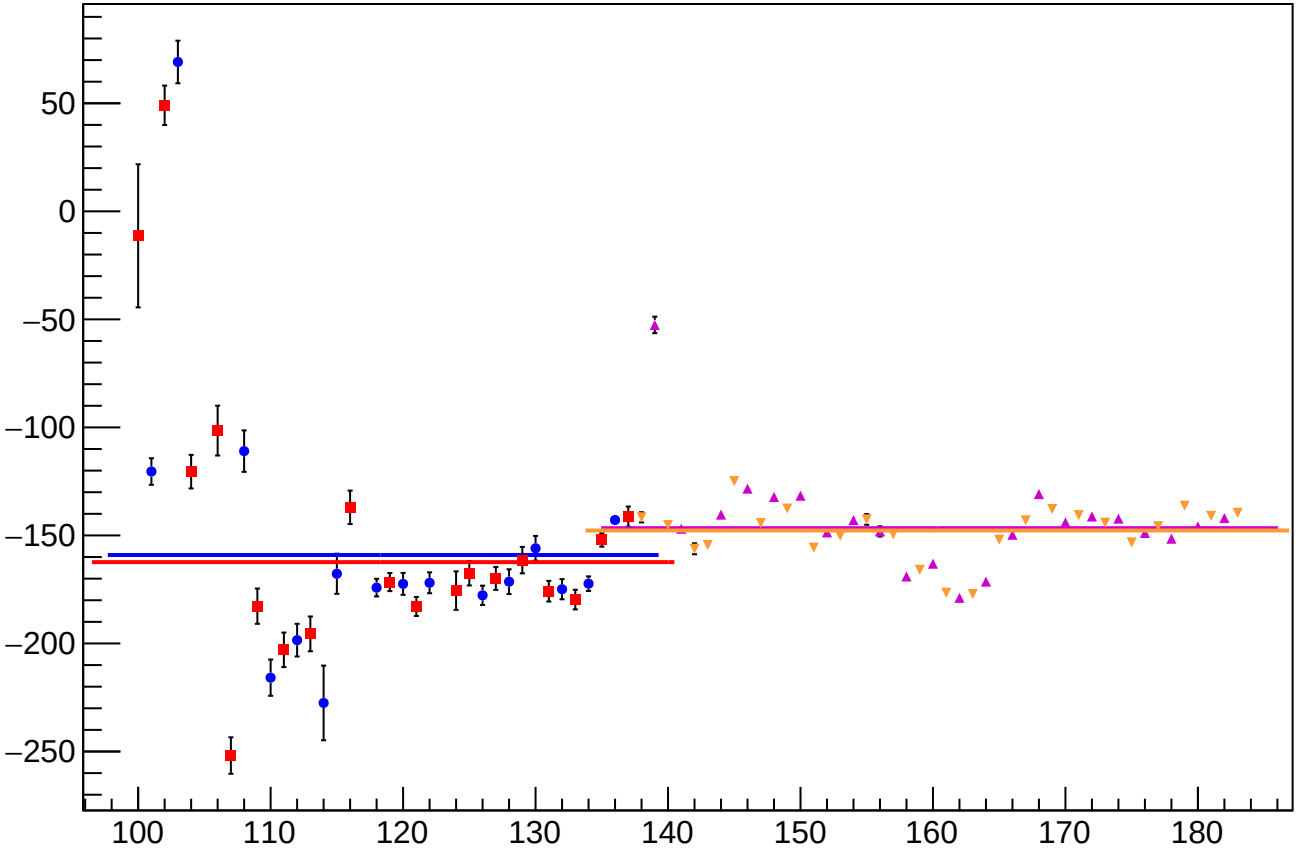
Left In: -134.418+/-0.424 χ^2/NDF:2372.4/21

+ sign -141.451+/-0.385 χ^2/NDF: 6717.1/39

All: -141.509+/-0.278 χ^2/NDF: 12932.3/80

- sign -141.572+/-0.403 χ^2/NDF: 6215.2/40

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -147.715+/-0.362 χ^2/NDF:1139.9/23

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

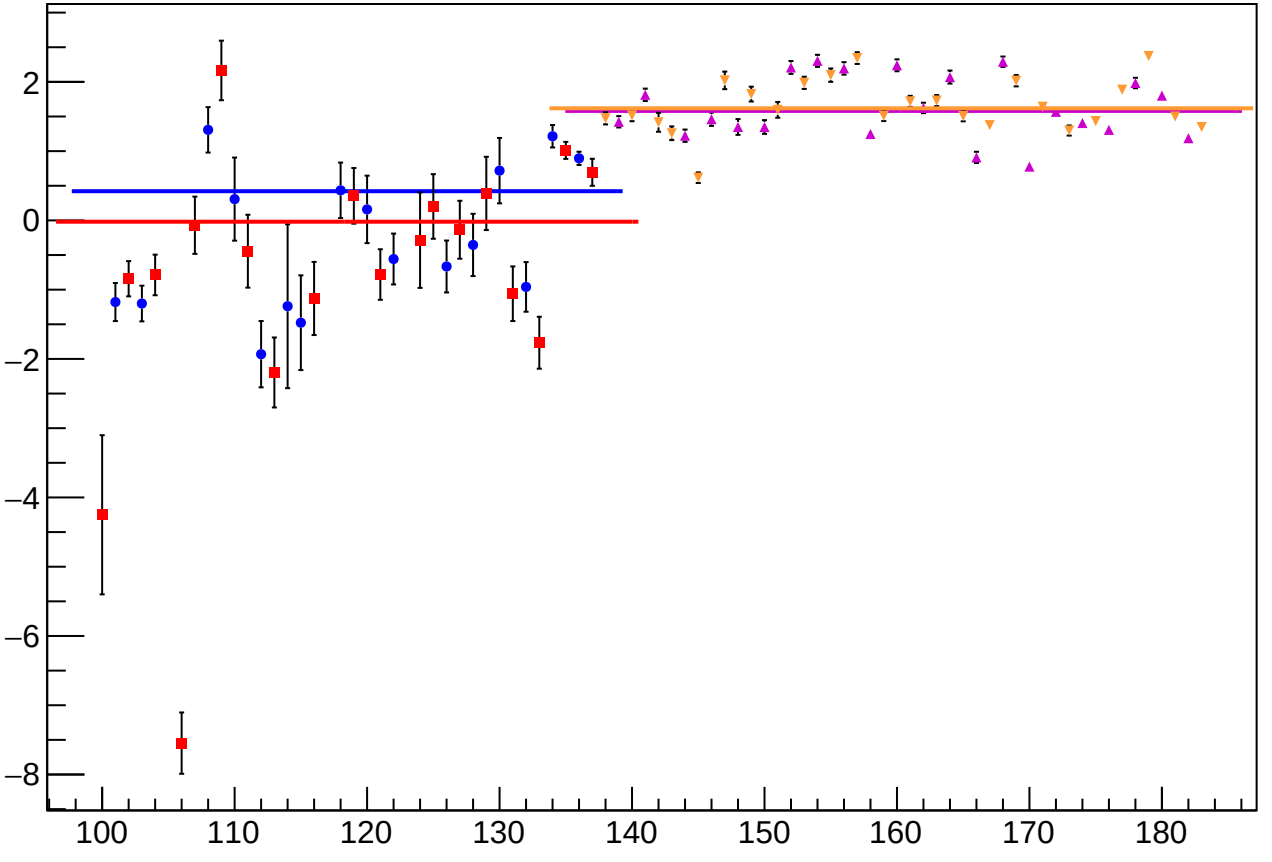
Left In: -146.649+/-0.376 χ^2/NDF:1734.9/21

+ sign -148.624+/-0.347 χ^2/NDF: 2034.3/39

All: -148.239+/-0.250 χ^2/NDF: 4774.8/80

- sign -147.821+/-0.361 χ^2/NDF: 2738.0/40

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.618+/-0.016 χ^2/NDF:541.6/23

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

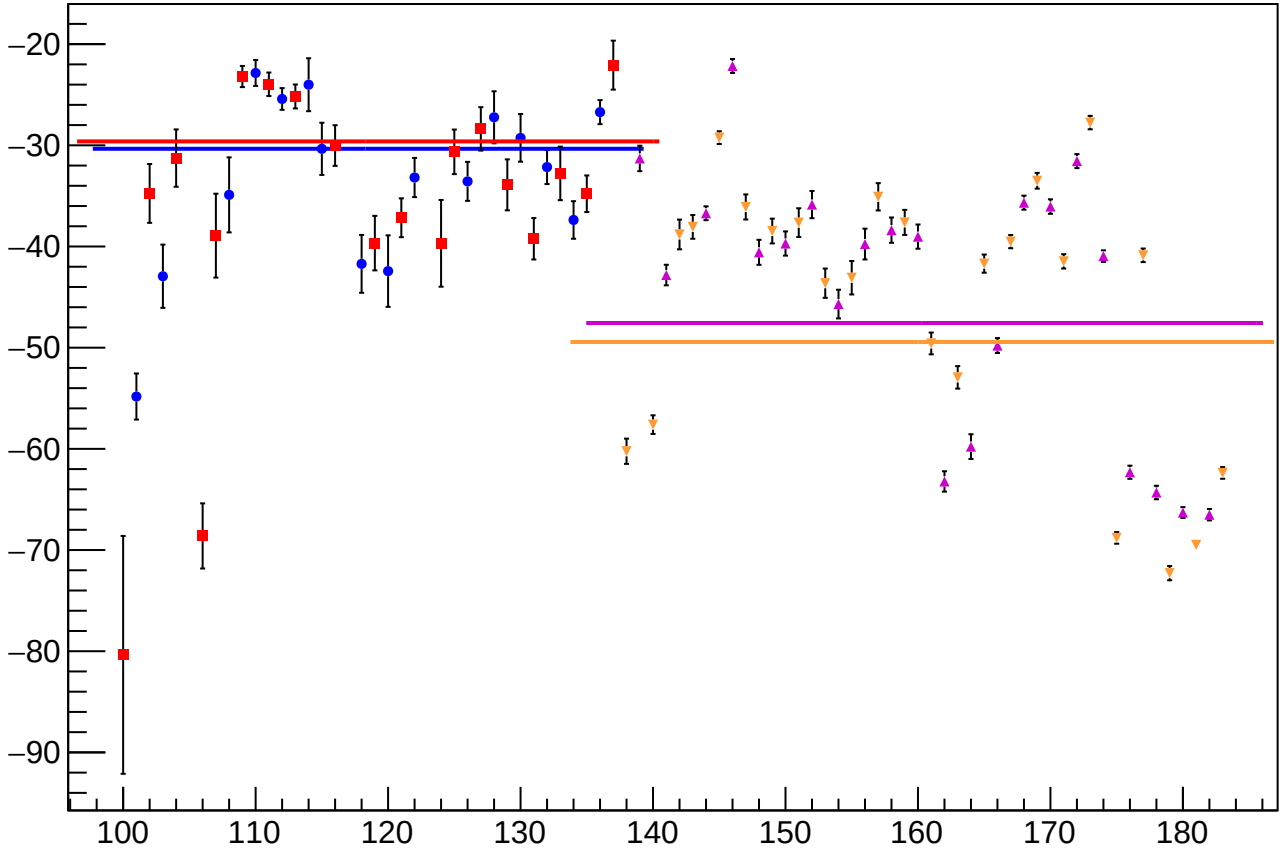
Left In: 1.581+/-0.017 χ^2/NDF:712.5/21

+ sign 1.548+/-0.016 χ^2/NDF: 1060.2/39

All: 1.525+/-0.011 χ^2/NDF: 2730.0/80

- sign 1.500+/-0.016 χ^2/NDF: 1665.5/40

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -49.437+/-0.169 χ^2/NDF:8326.3/23

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

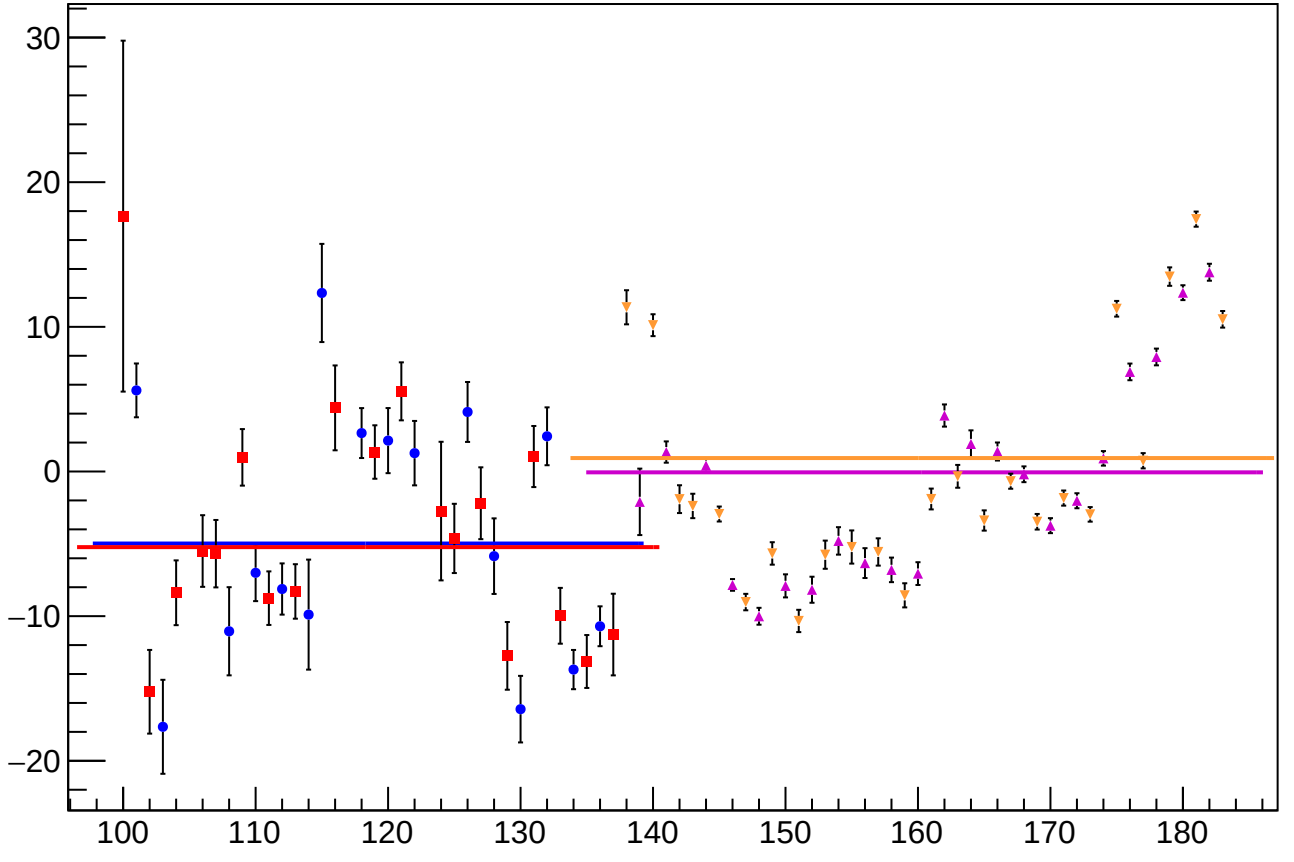
Left In: -47.562+/-0.172 χ^2/NDF:7124.4/21

+ sign -47.238+/-0.159 χ^2/NDF: 10054.1/39

All: -46.270+/-0.113 χ^2/NDF: 18968.6/80

- sign -45.279+/-0.161 χ^2/NDF: 8839.3/40

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 0.929+/-0.134 χ^2/NDF:3395.5/23

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

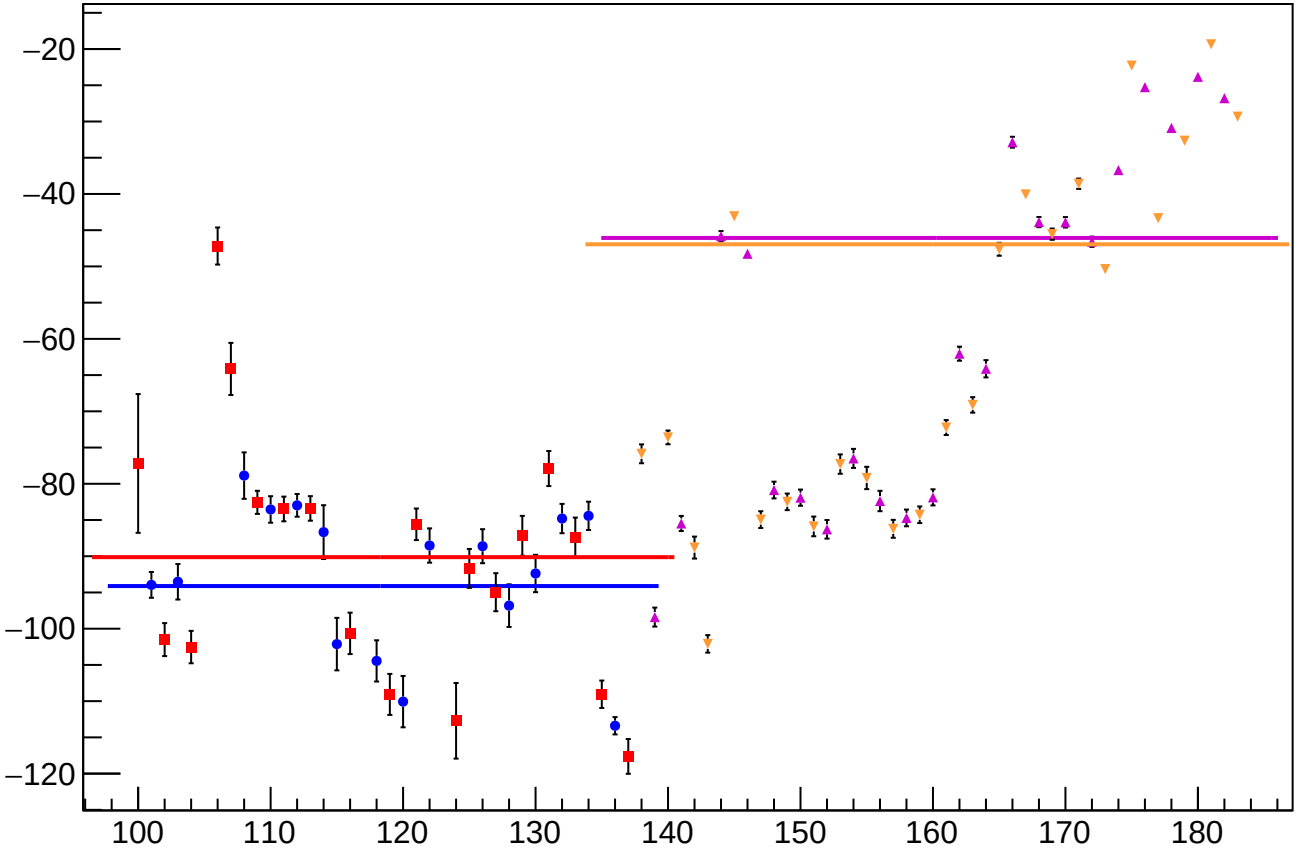
Left In: -0.058+/-0.134 χ^2/NDF:2629.9/21

+ sign 0.548+/-0.129 χ^2/NDF: 3758.6/39

All: 0.088+/-0.092 χ^2/NDF: 6642.0/80

- sign -0.376+/-0.130 χ^2/NDF: 2857.9/40

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -46.947+/-0.169 χ^2/NDF:17583.5/23

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

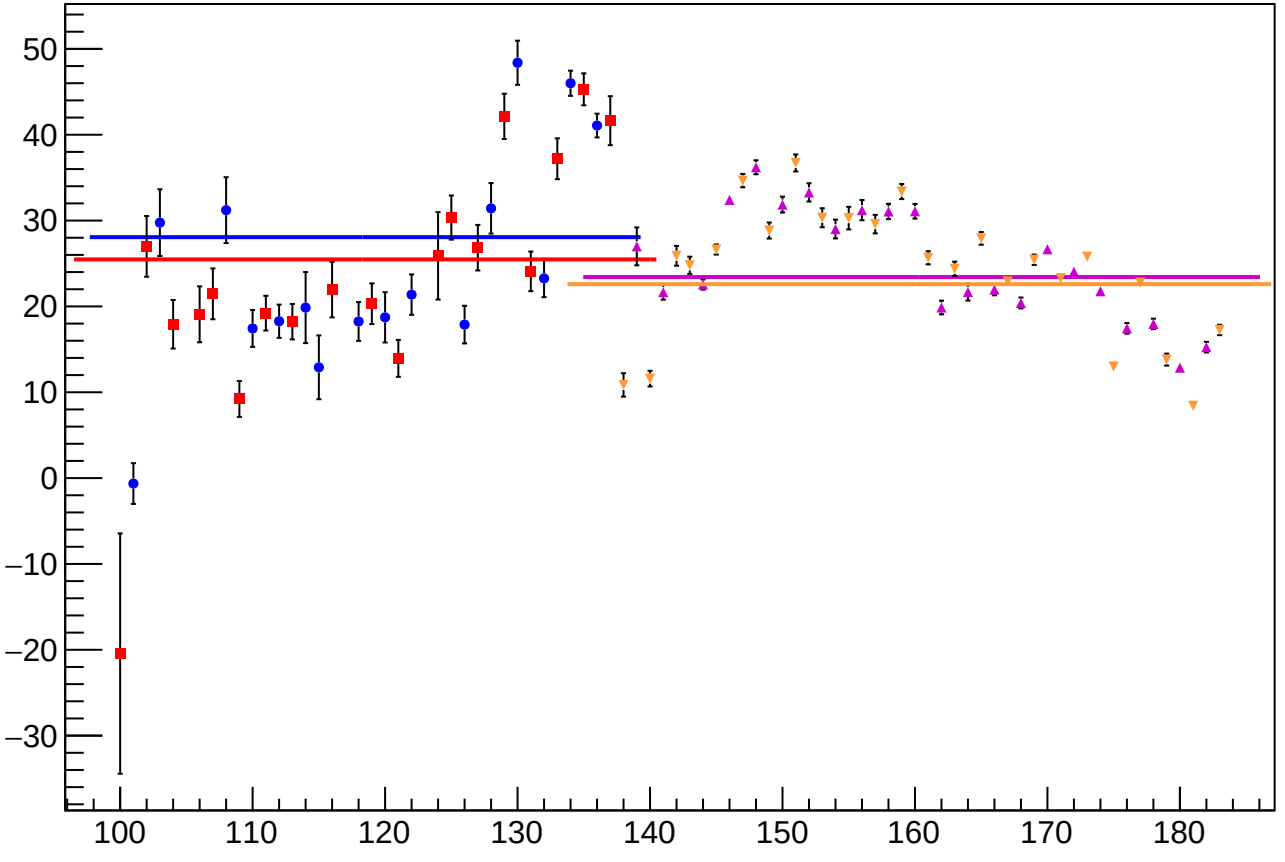
Left In: -46.070+/-0.172 χ^2/NDF:14769.6/21

+ sign -51.218+/-0.162 χ^2/NDF: 25066.0/39

All: -50.662+/-0.115 χ^2/NDF: 46632.9/80

- sign -50.090+/-0.164 χ^2/NDF: 21542.8/40

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 22.594+/-0.149 χ^2/NDF:2343.3/23

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

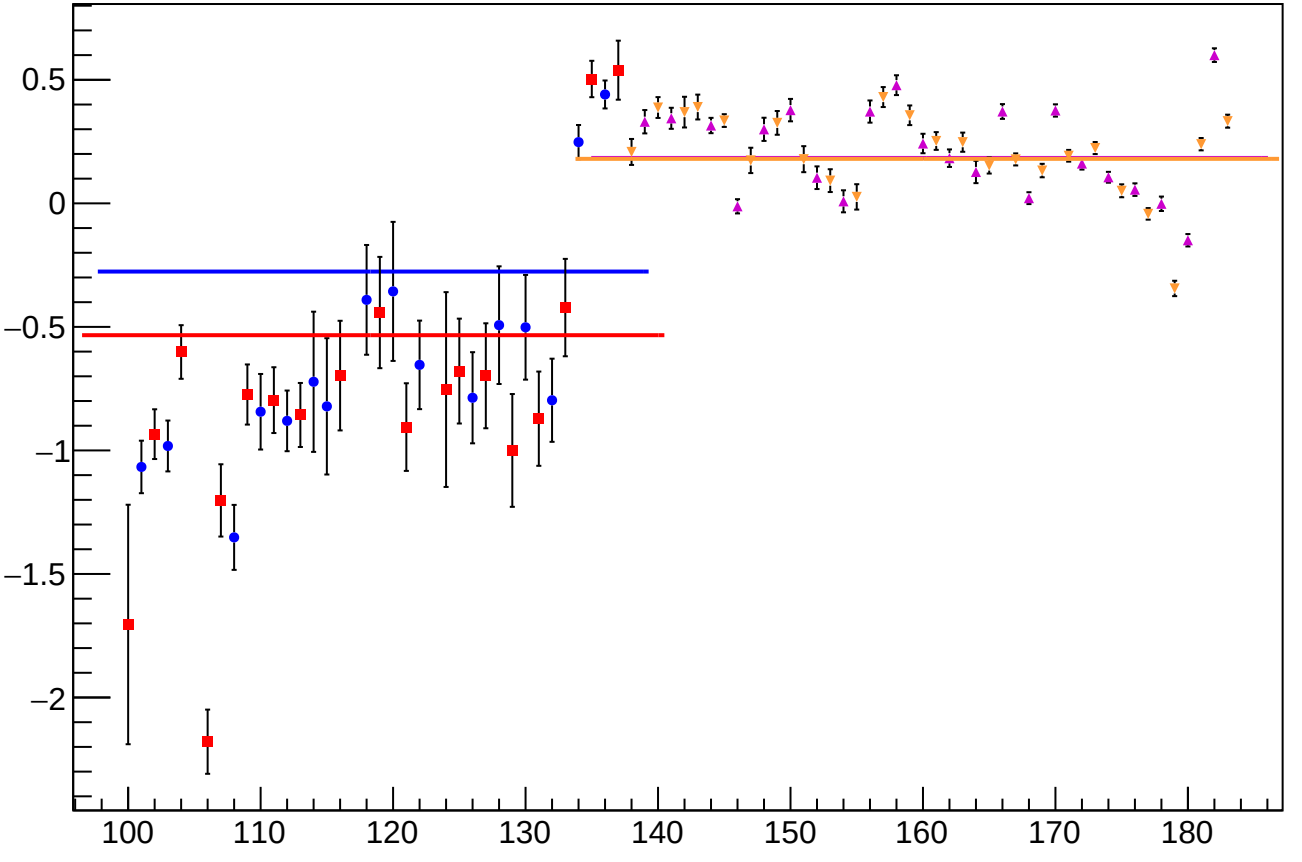
Left In: 23.420+/-0.150 χ^2/NDF:1777.7/21

+ sign 22.946+/-0.144 χ^2/NDF: 3013.0/39

All: 23.243+/-0.102 χ^2/NDF: 5165.4/80

- sign 23.545+/-0.145 χ^2/NDF: 2143.8/40

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.180+/-0.007 χ^2/NDF:618.4/23

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

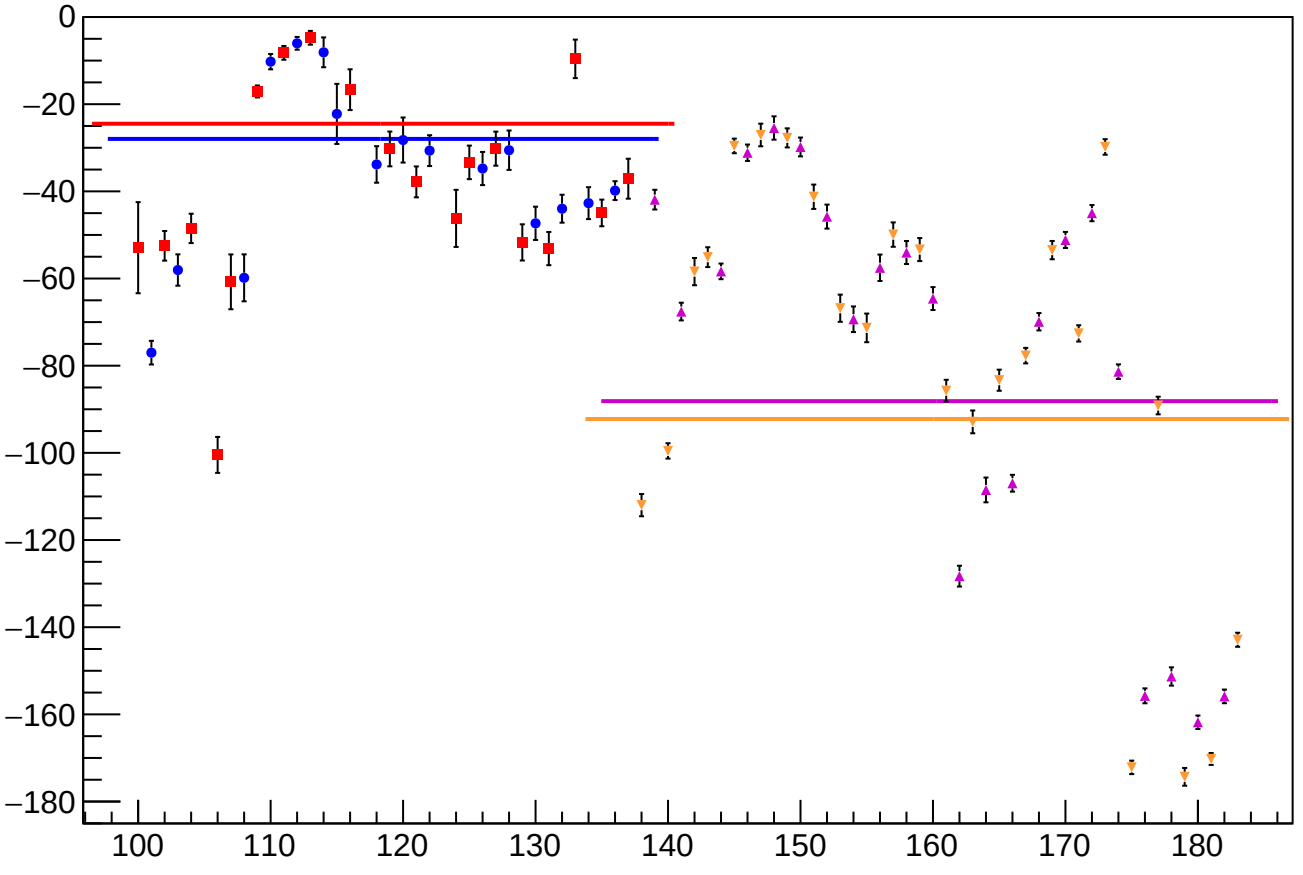
Left In: 0.184+/-0.007 χ^2/NDF:831.4/21

+ sign 0.160+/-0.007 χ^2/NDF: 1285.7/39

All: 0.157+/-0.005 χ^2/NDF: 3085.3/80

- sign 0.155+/-0.007 χ^2/NDF: 1799.3/40

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -92.236+/-0.426 χ^2/NDF:14552.0/23

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

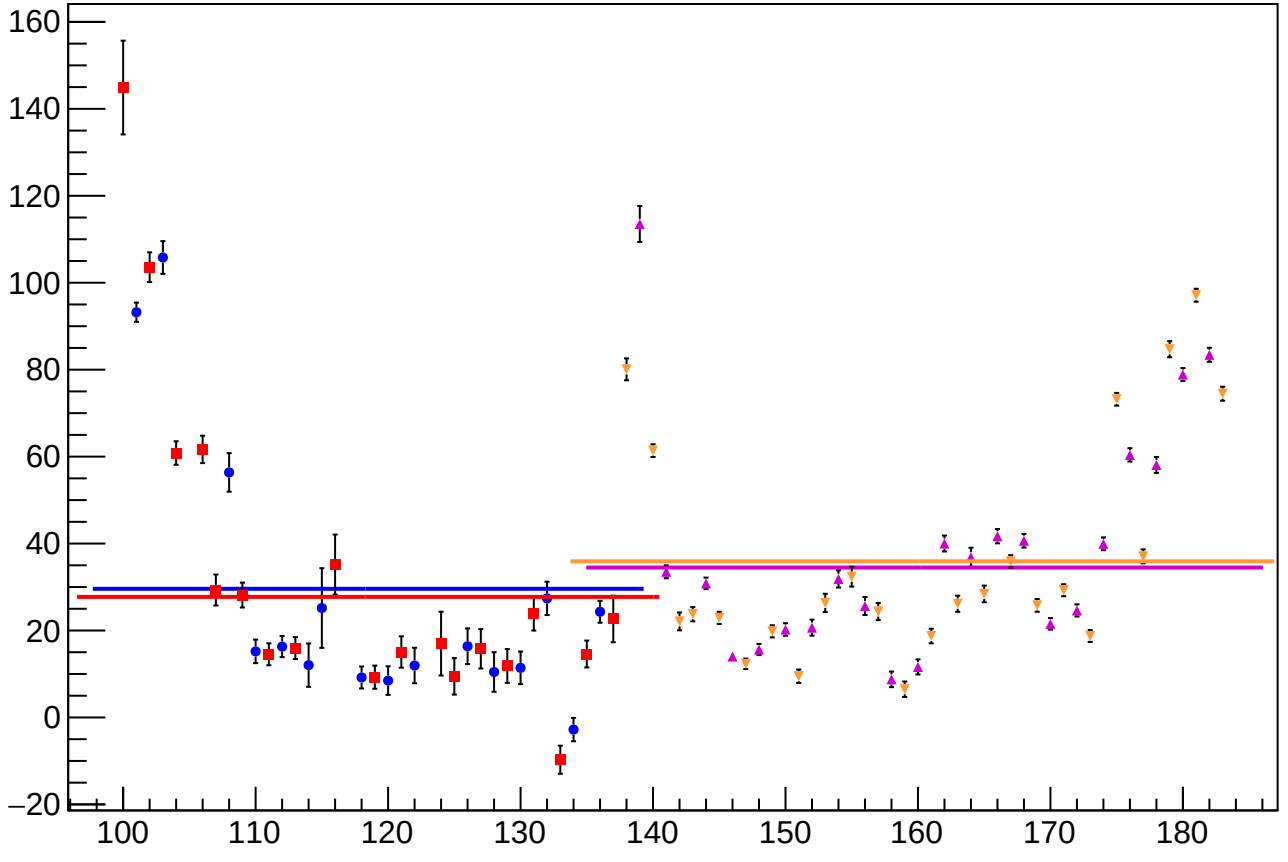
Left In: -88.134+/-0.439 χ^2/NDF:11681.9/21

+ sign -75.856+/-0.367 χ^2/NDF: 21260.6/39

All: -72.270+/-0.259 χ^2/NDF: 40528.0/80

- sign -68.706+/-0.366 χ^2/NDF: 19077.3/40

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 35.919+/-0.328 χ^2/NDF:5919.7/23

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

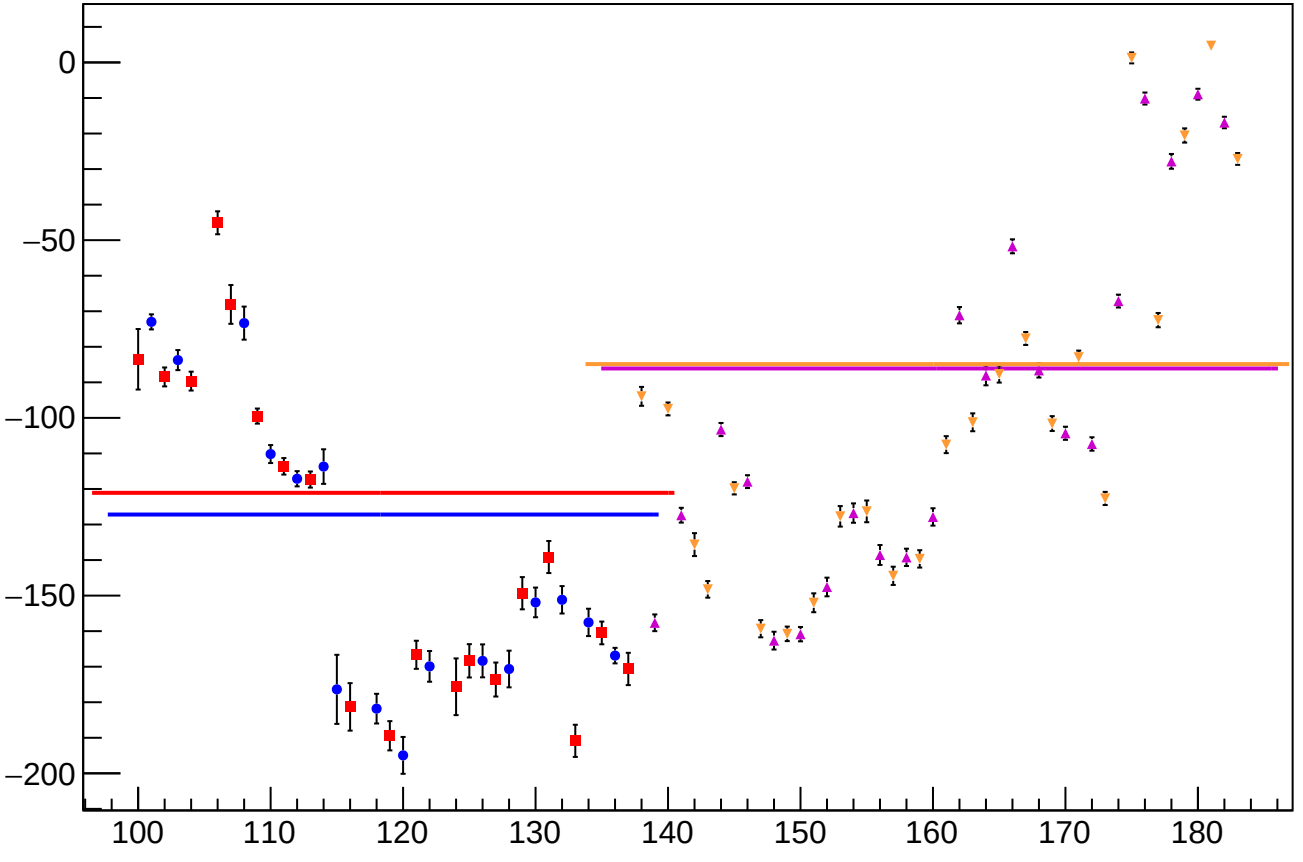
Left In: 34.485+/-0.339 χ^2/NDF:3906.0/21

+ sign 35.020+/-0.304 χ^2/NDF: 7638.0/39

All: 34.255+/-0.218 χ^2/NDF: 12802.8/80

- sign 33.452+/-0.312 χ^2/NDF: 5151.9/40

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -84.867+/-0.425 χ^2/NDF:15867.6/23

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

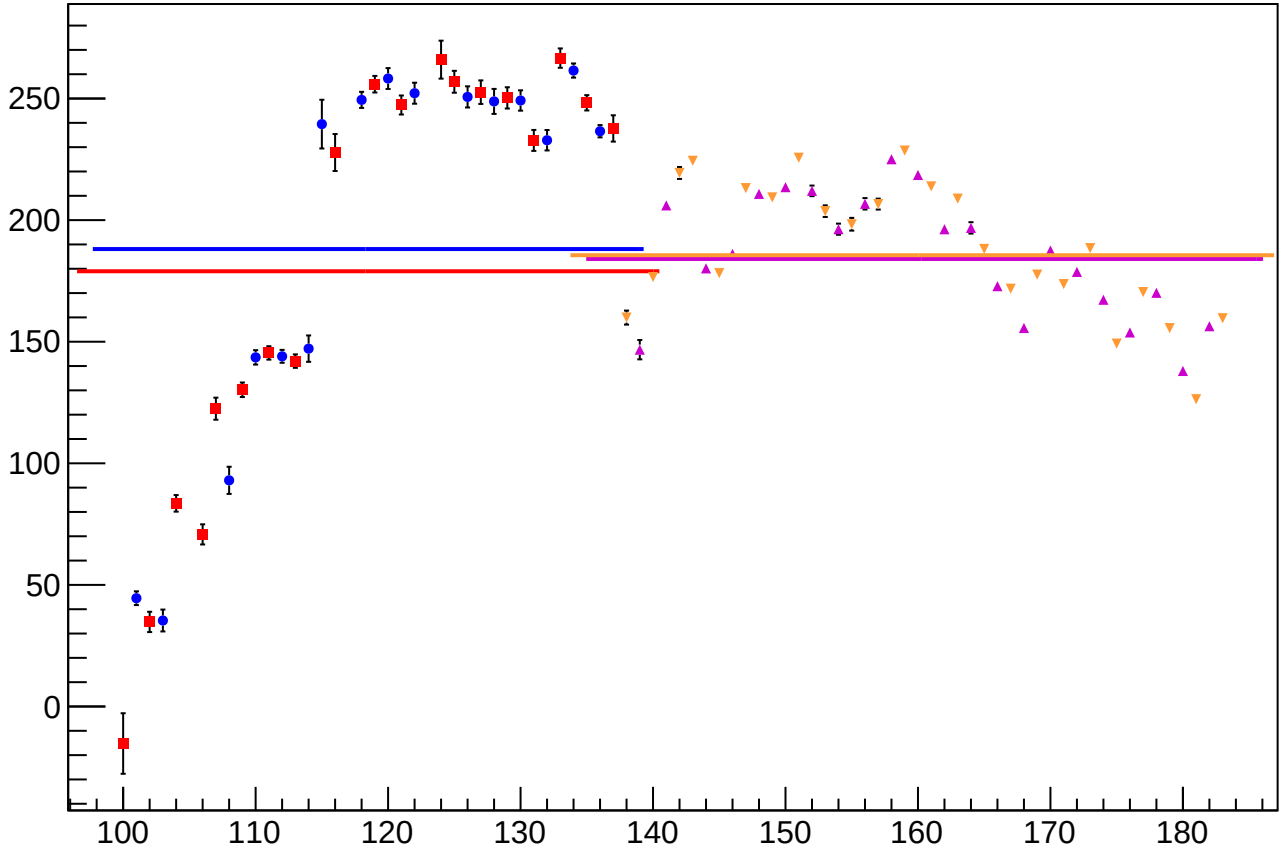
Left In: -86.098+/-0.437 χ^2/NDF:13719.1/21

+ sign -93.661+/-0.378 χ^2/NDF: 20108.8/39

All: -93.914+/-0.269 χ^2/NDF: 37705.9/80

- sign -94.173+/-0.383 χ^2/NDF: 17596.2/40

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 185.572+/-0.370 χ^2/NDF:5354.6/23

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

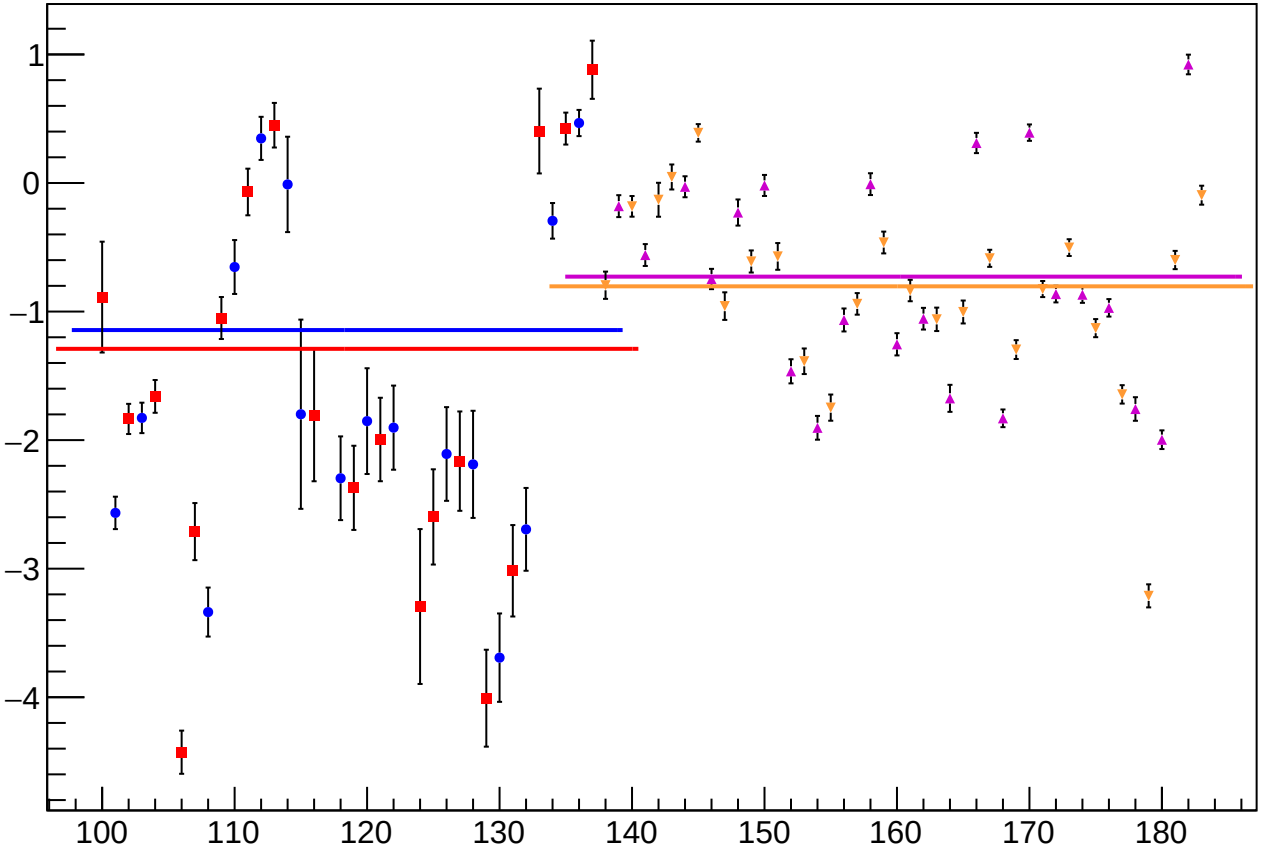
Left In: 184.027+/-0.381 χ^2/NDF:3870.2/21

+ sign 185.926+/-0.343 χ^2/NDF: 12479.8/39

All: 184.629+/-0.245 χ^2/NDF: 23074.5/80

- sign 183.271+/-0.351 χ^2/NDF: 10565.4/40

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.804+/-0.017 χ^2/NDF:1690.0/23

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

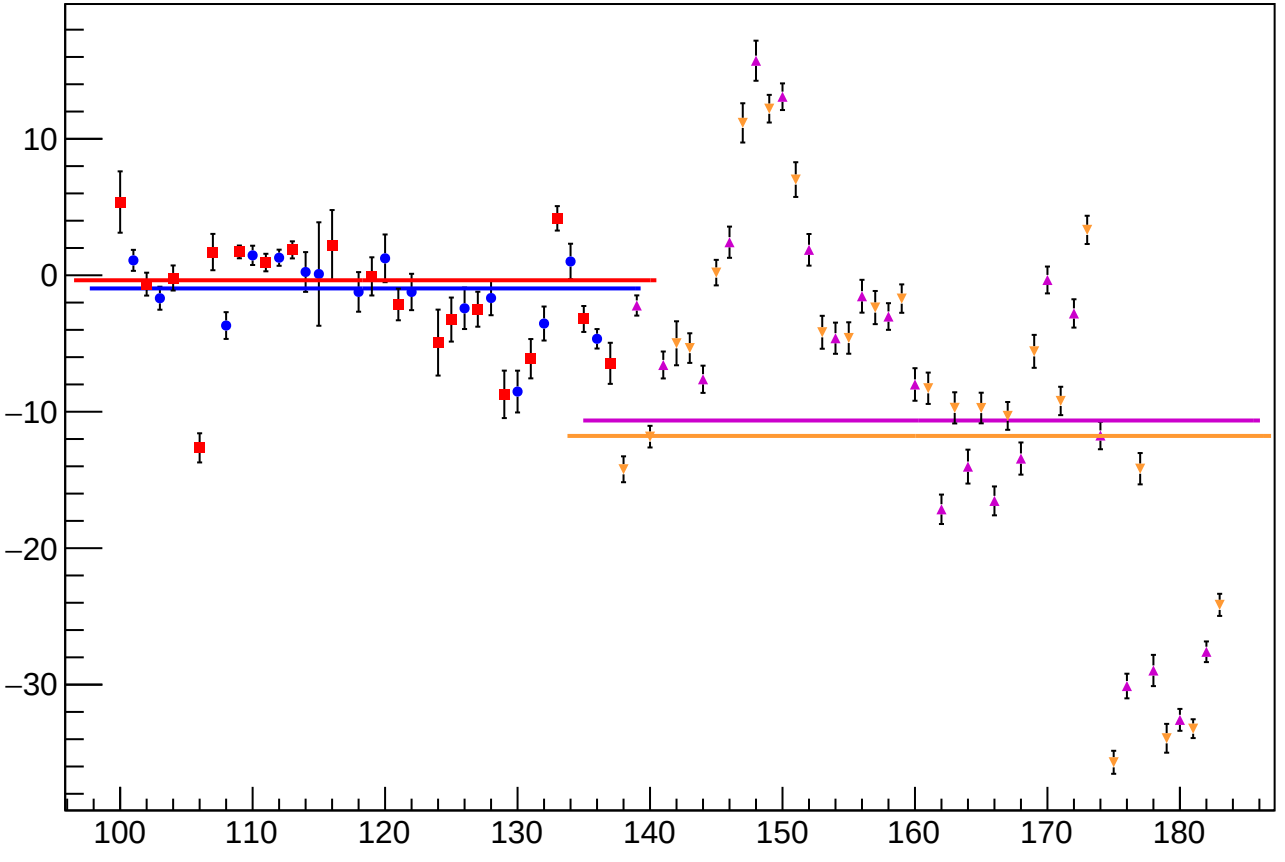
Left In: -0.728+/-0.017 χ^2/NDF:2318.5/21

+ sign -0.840+/-0.016 χ^2/NDF: 2522.2/39

All: -0.816+/-0.011 χ^2/NDF: 5967.9/80

- sign -0.792+/-0.016 χ^2/NDF: 3441.1/40

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -11.773+/-0.210 χ^2/NDF:4199.6/23

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

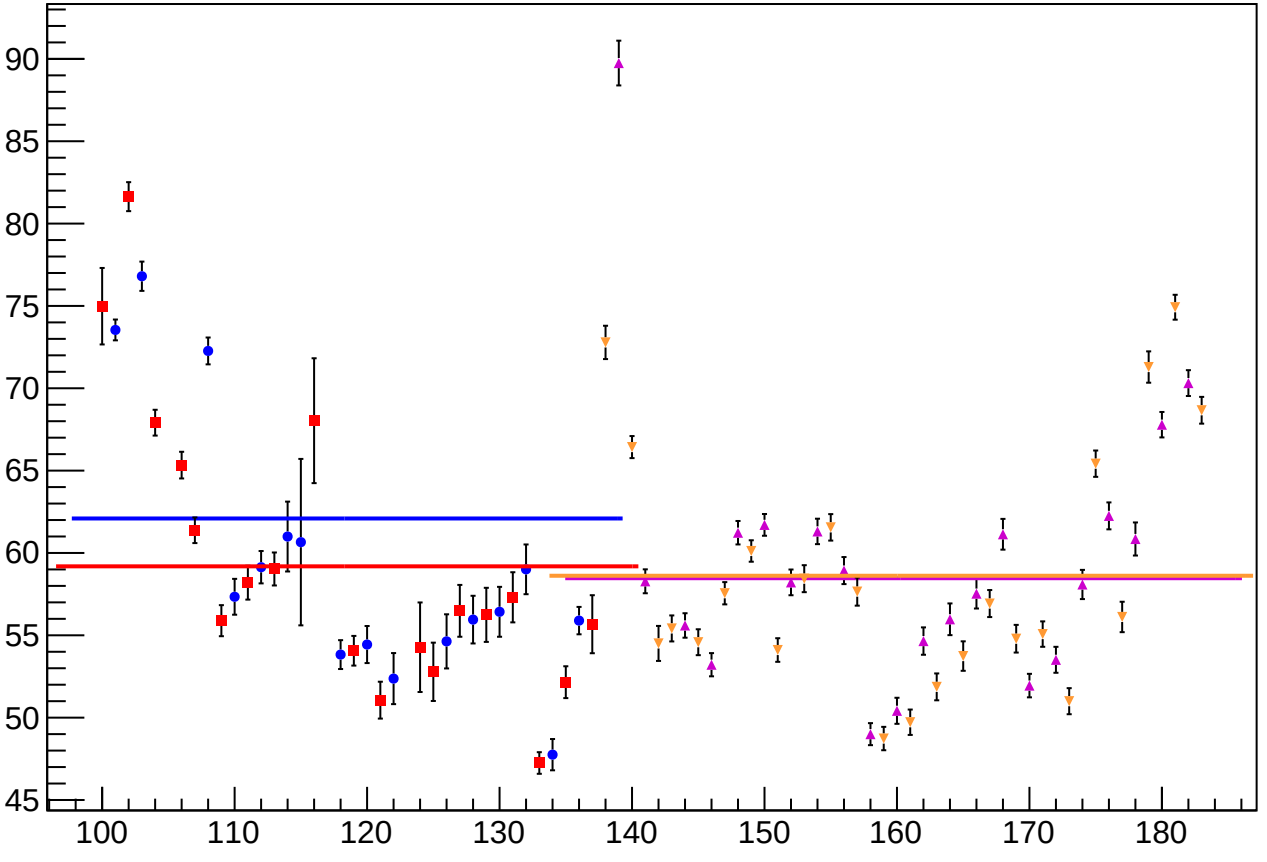
Left In: -10.643+/-0.216 χ^2/NDF:3683.7/21

+ sign -7.371+/-0.162 χ^2/NDF: 5383.1/39

All: -6.494+/-0.112 χ^2/NDF: 10496.1/80

- sign -5.684+/-0.155 χ^2/NDF: 5056.4/40

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 58.616+/-0.162 χ^2/NDF:1891.4/23

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

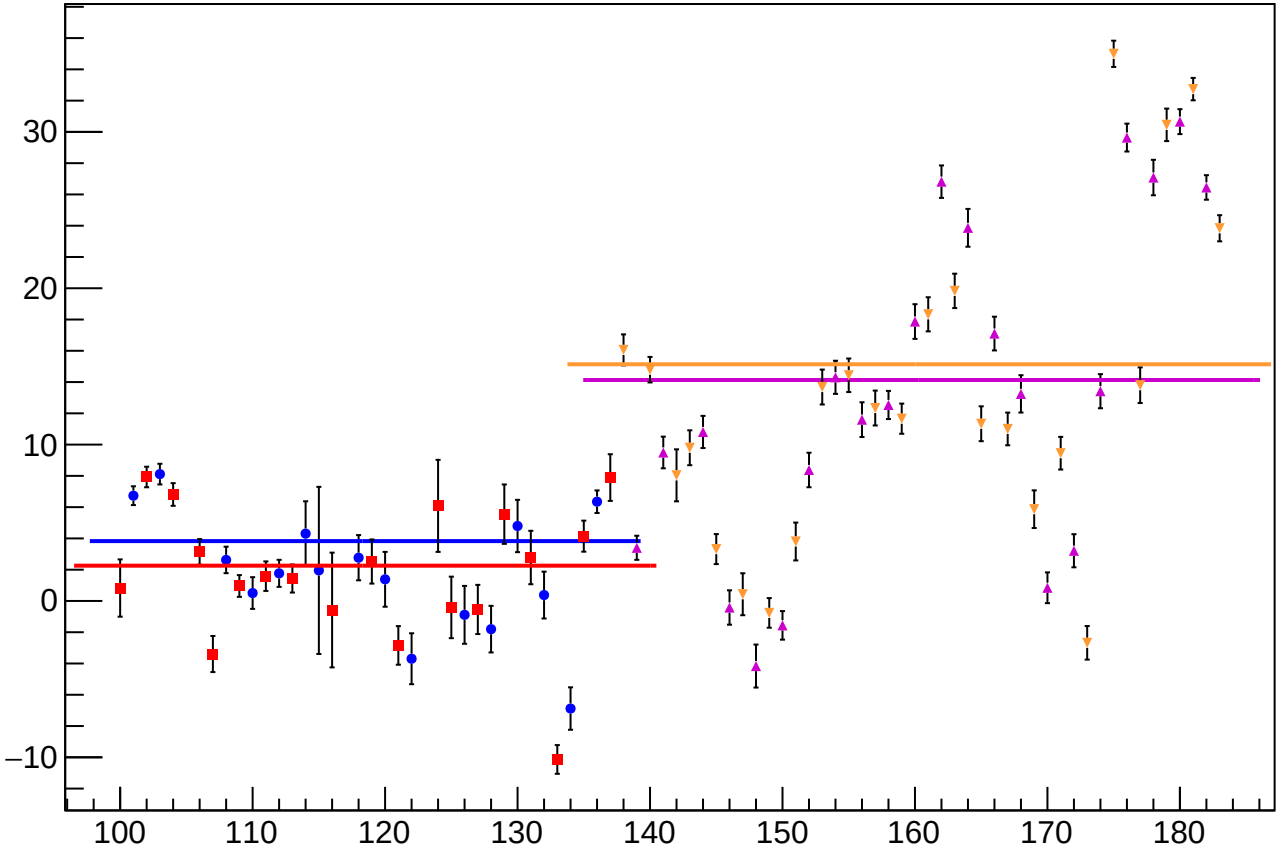
Left In: 58.467+/-0.170 χ^2/NDF:1518.4/21

+ sign 59.563+/-0.139 χ^2/NDF: 3317.6/39

All: 59.135+/-0.098 χ^2/NDF: 6263.2/80

- sign 58.702+/-0.139 χ^2/NDF: 2926.4/40

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 15.138+/-0.208 χ^2/NDF:2611.6/23

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

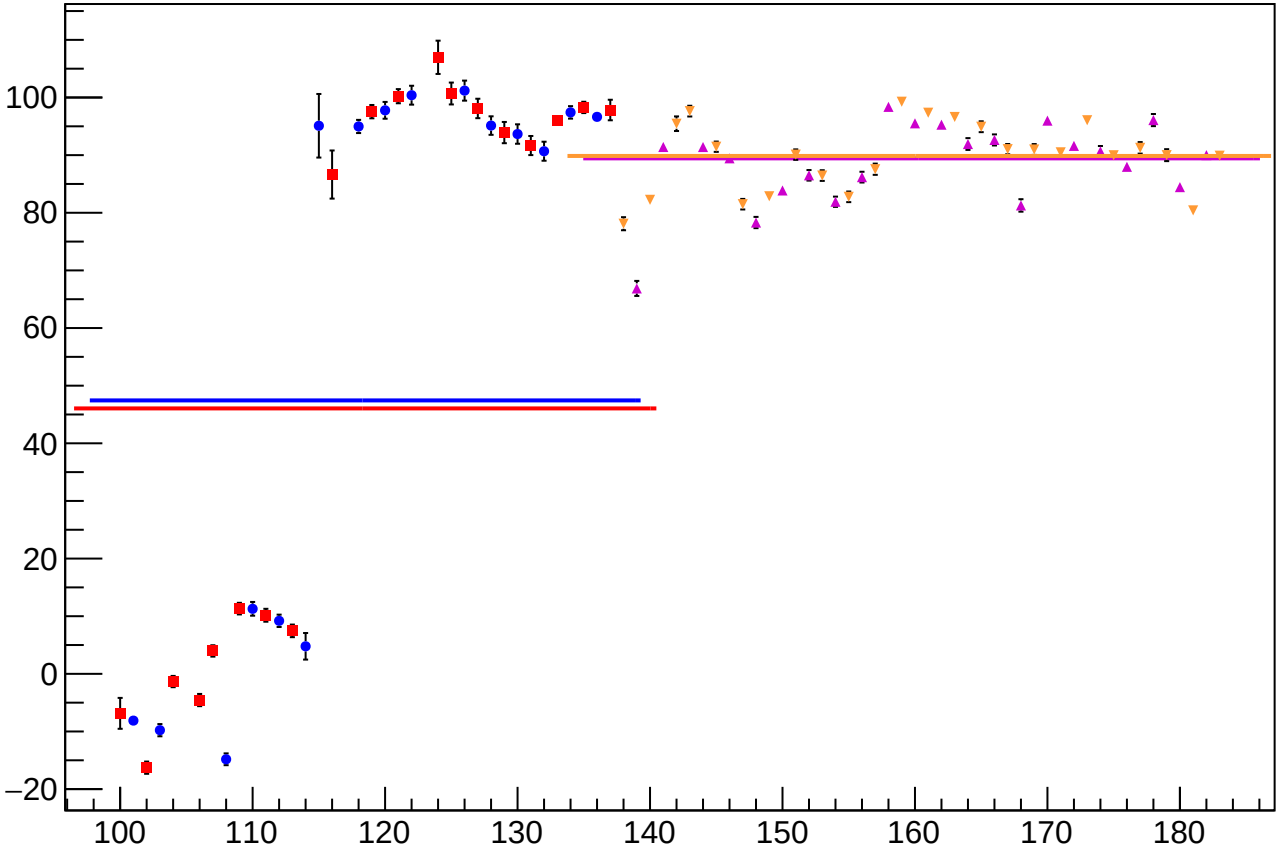
Left In: 14.132+/-0.214 χ^2/NDF:2541.0/21

\+ sign 10.821+/-0.164 χ^2/NDF: 3944.1/39

All: 9.915+/-0.115 χ^2/NDF: 8242.7/80

\- sign 9.036+/-0.161 χ^2/NDF: 4238.4/40

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.859+/-0.183 χ^2/NDF:1064.9/23

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

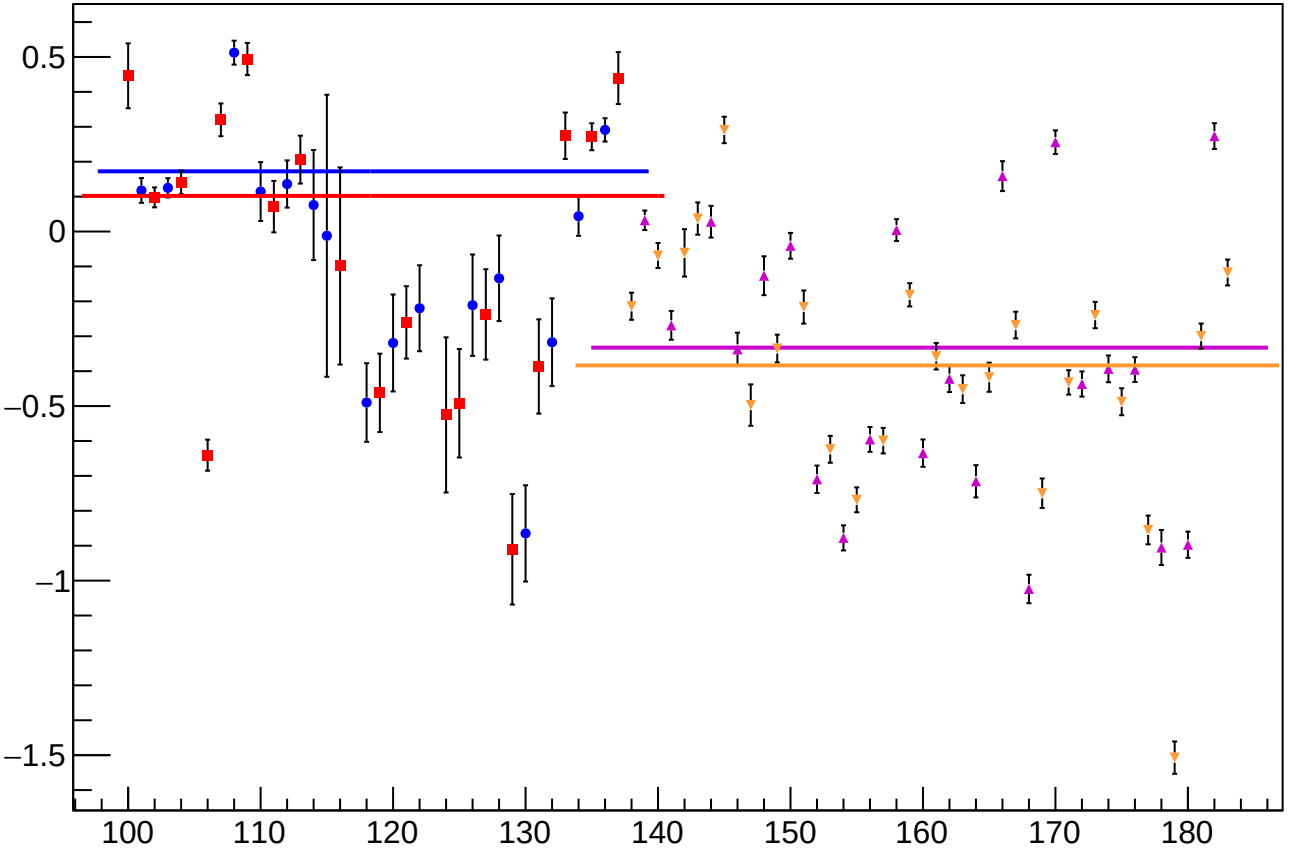
Left In: 89.438+/-0.189 χ^2/NDF:1078.8/21

\+ sign 78.835+/-0.157 χ^2/NDF: 41982.6/39

All: 77.485+/-0.111 χ^2/NDF: 88234.1/80

\- sign 76.125+/-0.158 χ^2/NDF: 46103.0/40

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.384+/-0.008 χ^2/NDF:1652.4/23

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

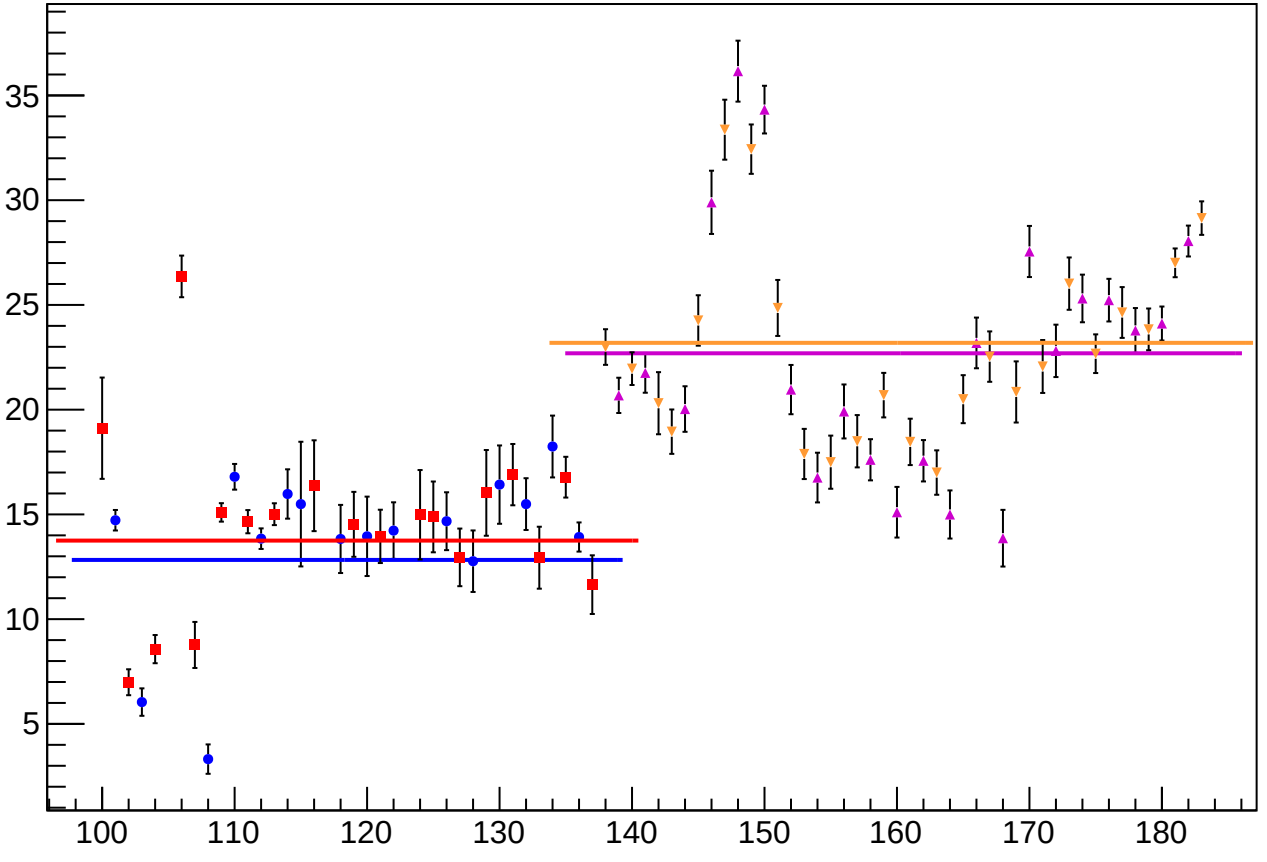
Left In: -0.333+/-0.008 χ^2/NDF:2297.2/21

+ sign -0.246+/-0.007 χ^2/NDF: 3079.0/39

All: -0.231+/-0.005 χ^2/NDF: 6707.1/80

- sign -0.215+/-0.007 χ^2/NDF: 3618.6/40

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 23.190+/-0.218 χ^2/NDF:351.4/23

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

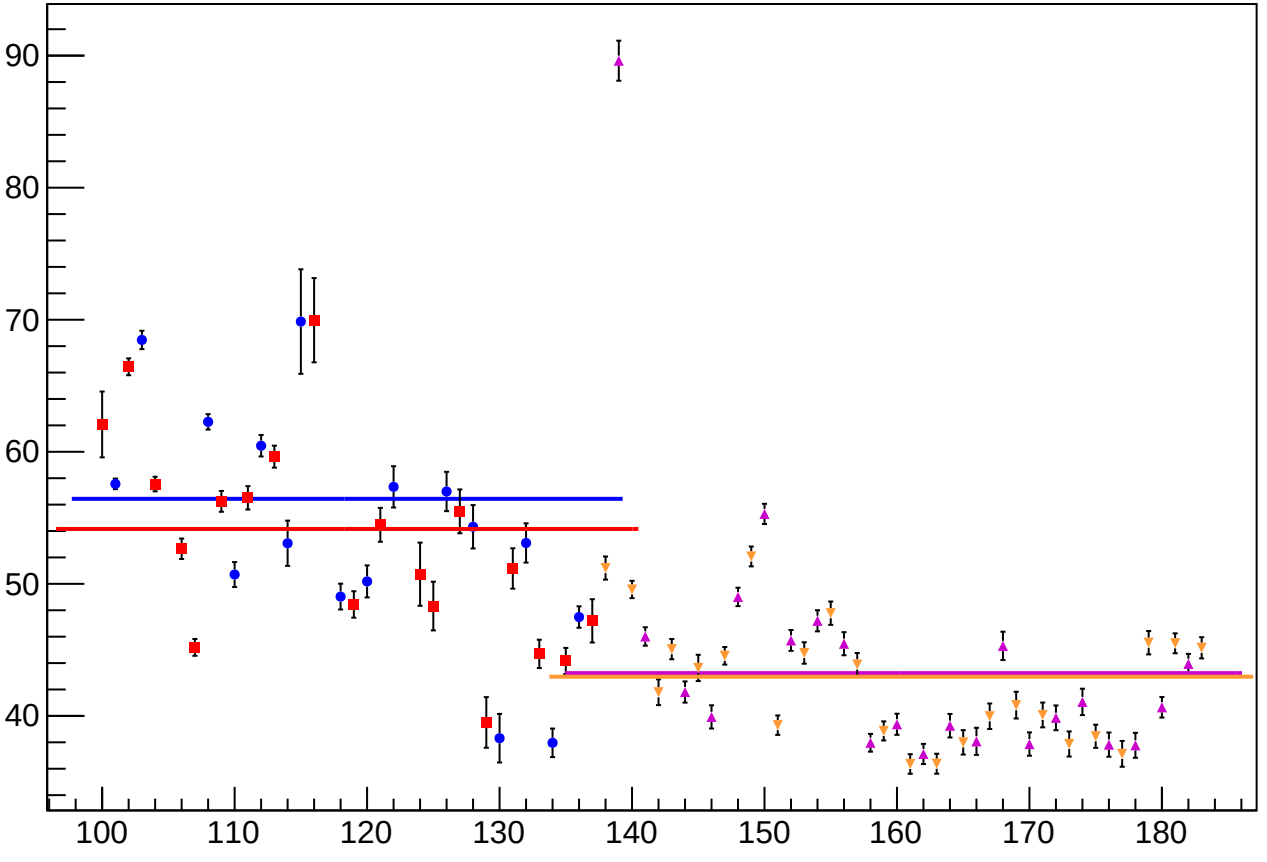
Left In: 22.691+/-0.229 χ^2/NDF:522.4/21

+ sign 17.923+/-0.153 χ^2/NDF: 1892.1/39

All: 17.818+/-0.108 χ^2/NDF: 3669.8/80

- sign 17.713+/-0.152 χ^2/NDF: 1776.8/40

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.968+/-0.168 χ^2/NDF:770.7/23

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

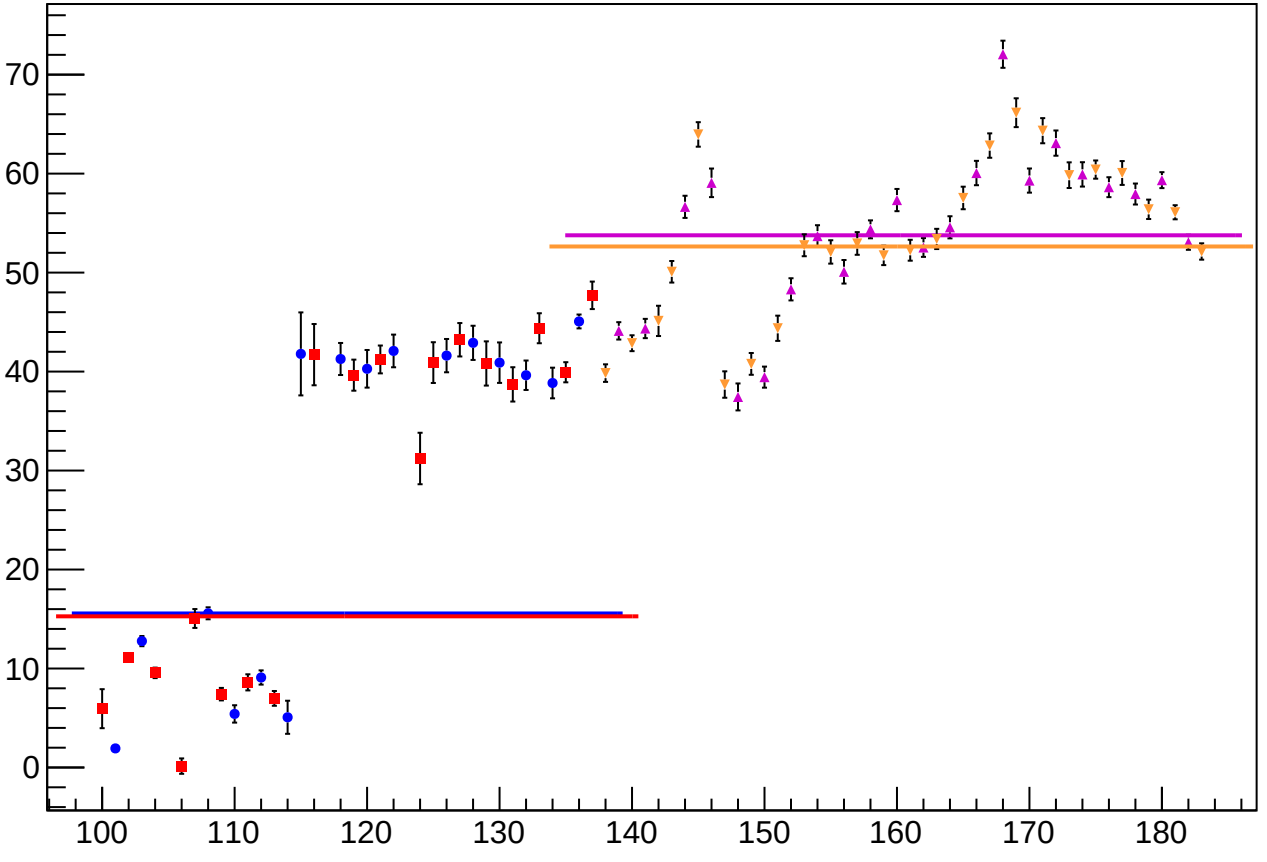
Left In: 43.238+/-0.179 χ^2/NDF:1659.3/21

\+ sign 47.893+/-0.134 χ^2/NDF: 4198.1/39

All: 47.693+/-0.097 χ^2/NDF: 8315.4/80

\- sign 47.476+/-0.140 χ^2/NDF: 4112.7/40

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 52.638+/-0.216 χ^2/NDF:1175.1/23

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

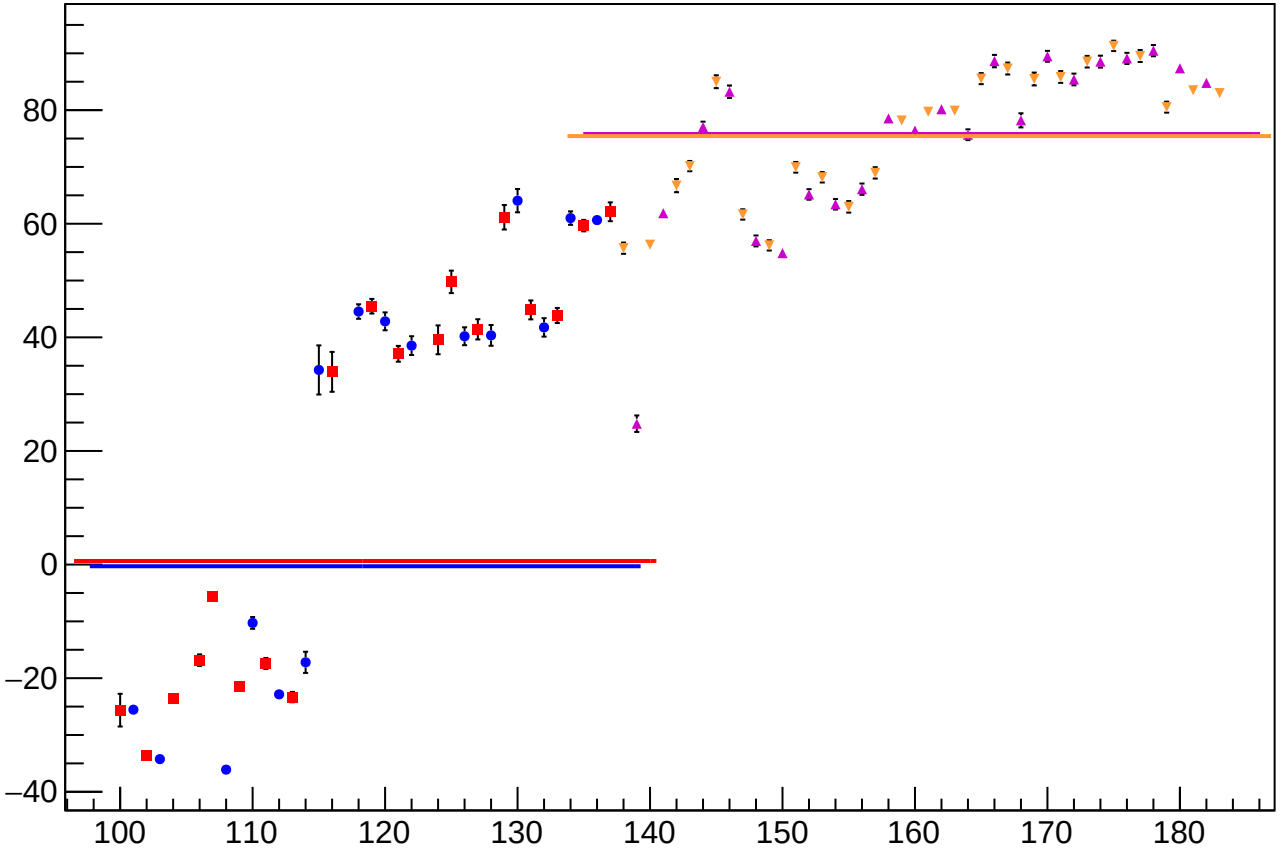
Left In: 53.769+/-0.226 χ^2/NDF:996.5/21

\+ sign 33.910+/-0.152 χ^2/NDF: 21207.9/39

All: 33.919+/-0.109 χ^2/NDF: 41033.8/80

\- sign 33.928+/-0.157 χ^2/NDF: 19825.9/40

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 75.428+/-0.190 χ^2/NDF:3468.2/23

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

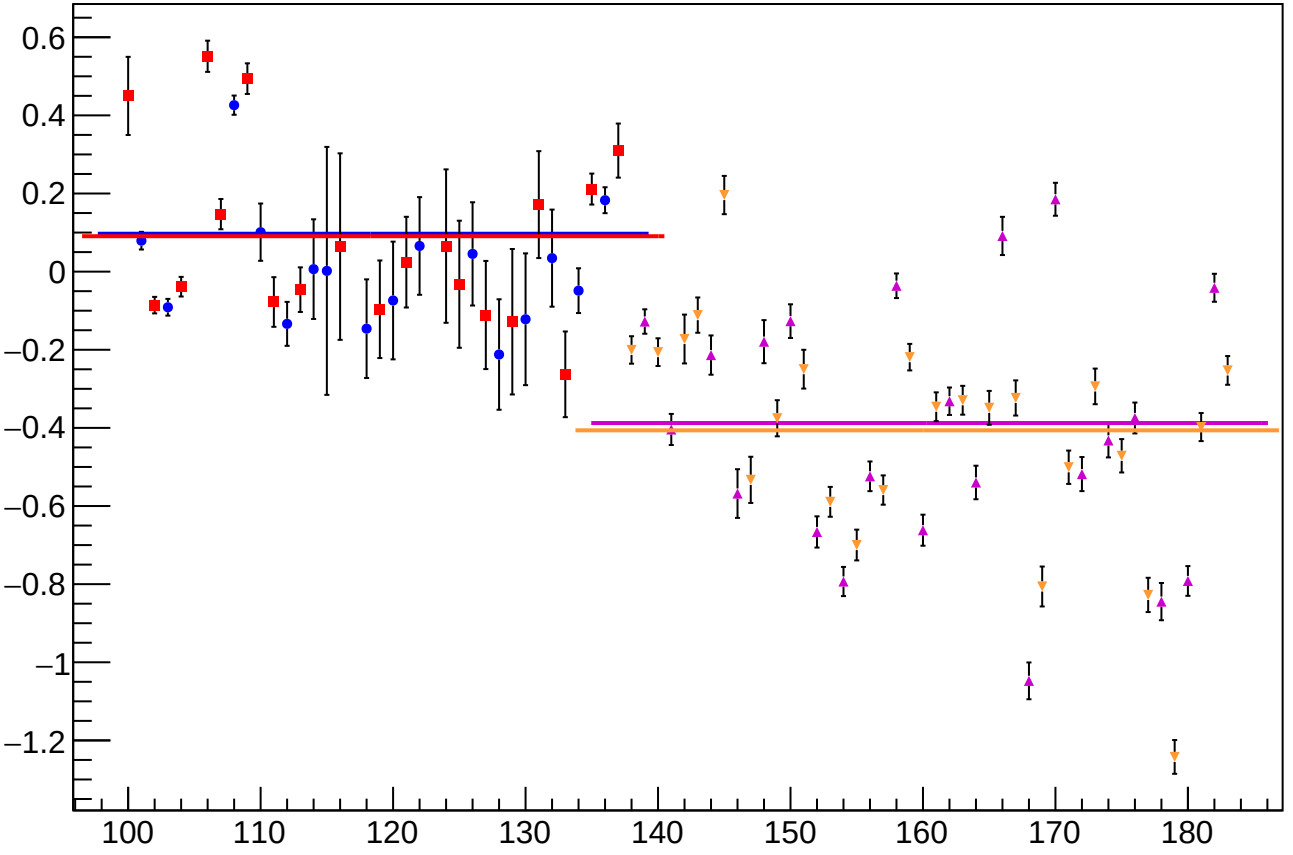
Left In: 75.795+/-0.199 χ^2/NDF:4262.9/21

+ sign 49.296+/-0.154 χ^2/NDF: 79457.3/39

All: 48.879+/-0.110 χ^2/NDF: 151464.5/80

- sign 48.432+/-0.159 χ^2/NDF: 71992.0/40

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.406+/-0.008 χ^2/NDF:985.3/23

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

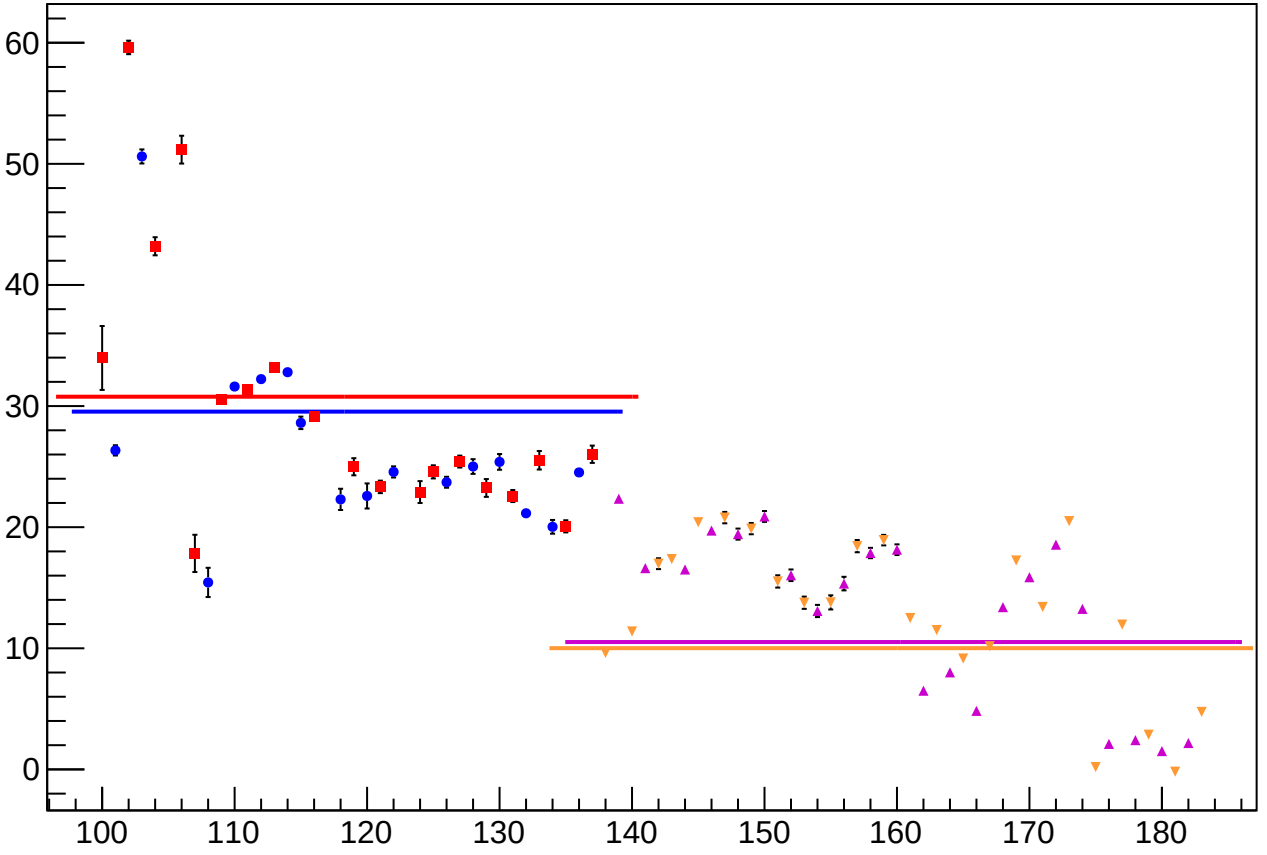
Left In: -0.388+/-0.009 χ^2/NDF:1292.3/21

+ sign -0.223+/-0.007 χ^2/NDF: 2563.3/39

All: -0.217+/-0.005 χ^2/NDF: 5369.9/80

- sign -0.212+/-0.007 χ^2/NDF: 2805.3/40

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 10.011+/-0.065 χ^2/NDF:12300.2/23

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

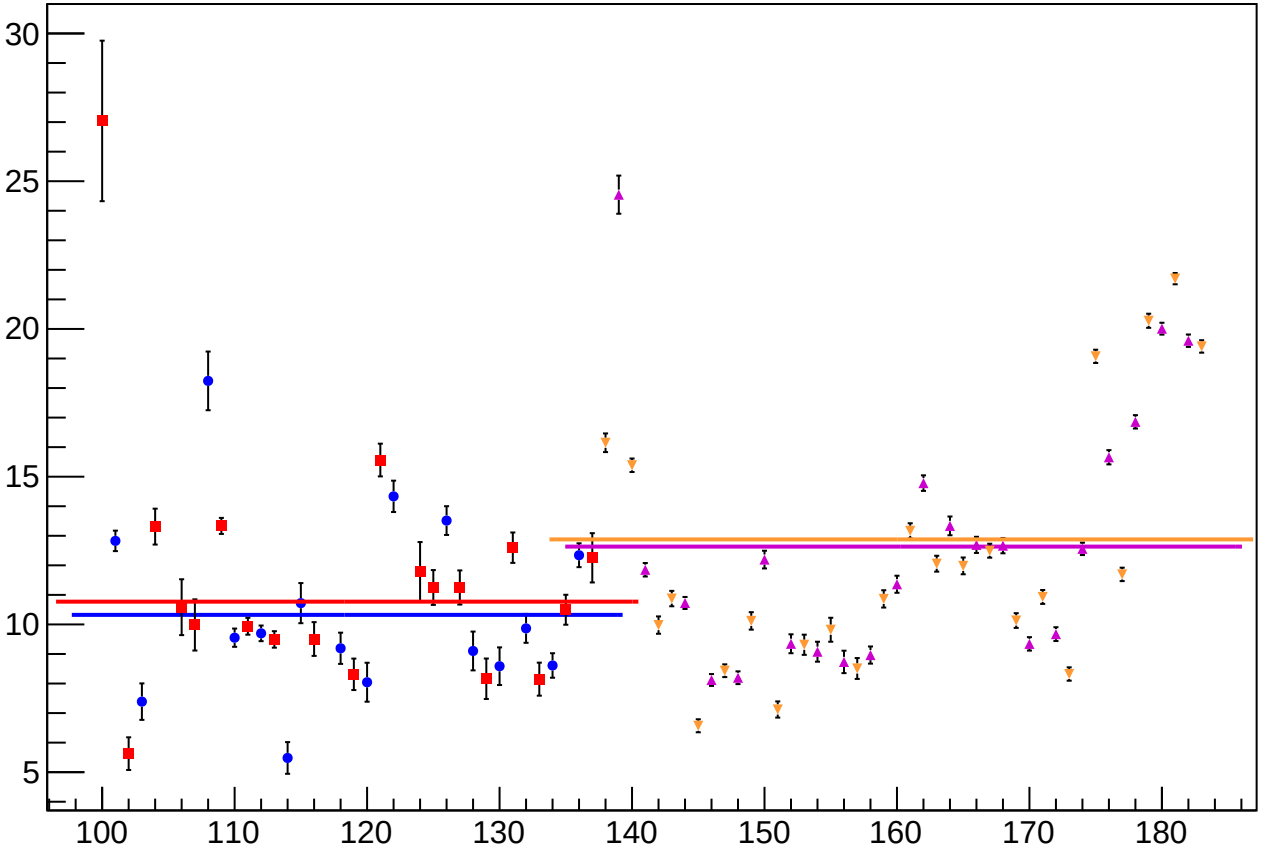
Left In: 10.518+/-0.068 χ^2/NDF:11491.7/21

\+ sign 16.501+/-0.053 χ^2/NDF: 45793.4/39

All: 17.764+/-0.037 χ^2/NDF: 100694.5/80

\- sign 18.969+/-0.052 χ^2/NDF: 53791.5/40

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 12.878+/-0.052 χ^2/NDF:7963.6/23

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

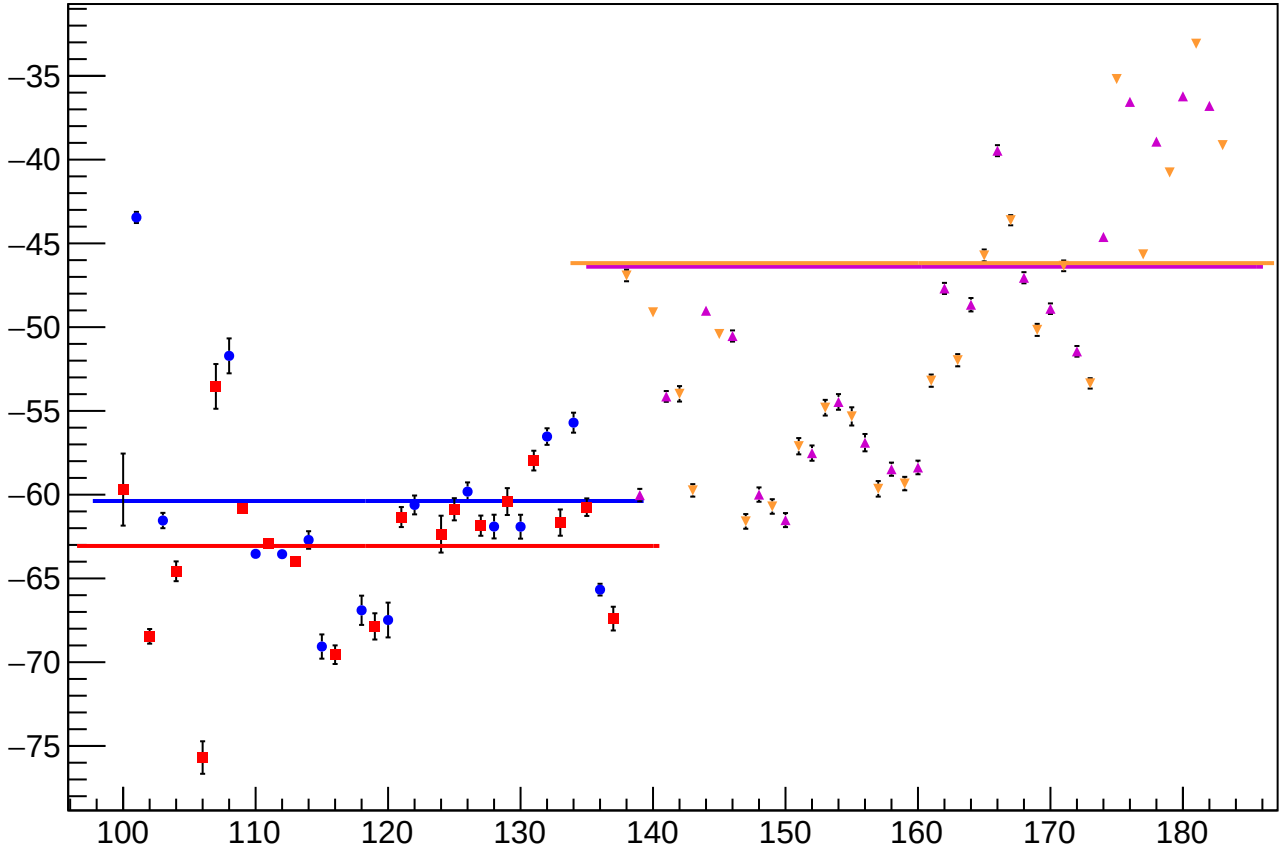
Left In: 12.634+/-0.053 χ^2/NDF:5268.1/21

+ sign 12.444+/-0.047 χ^2/NDF: 8783.1/39

All: 12.370+/-0.034 χ^2/NDF: 14694.4/80

- sign 12.292+/-0.048 χ^2/NDF: 5906.3/40

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -46.178+/-0.065 χ^2/NDF:17444.2/23

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

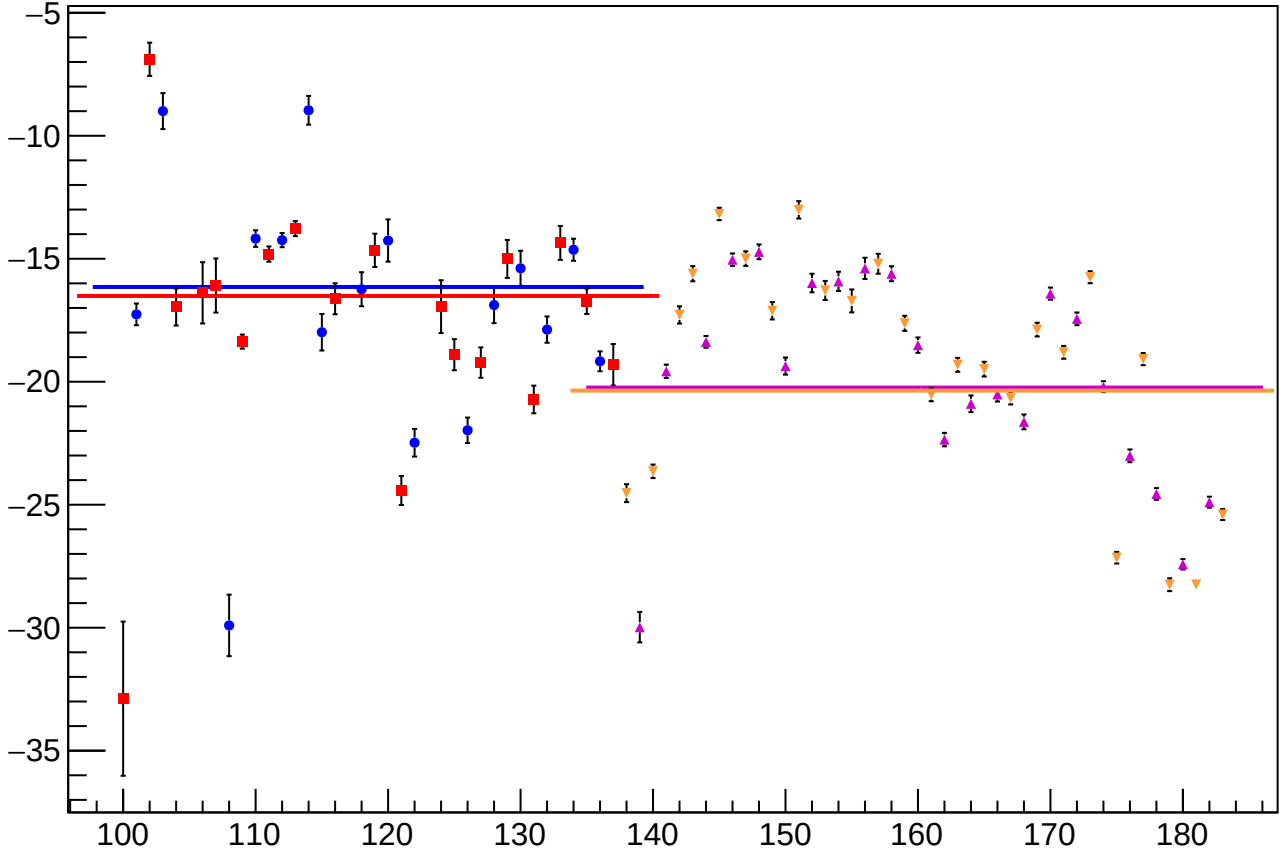
Left In: -46.392+/-0.068 χ^2/NDF:15080.0/21

+ sign -49.718+/-0.056 χ^2/NDF: 32893.8/39

All: -50.422+/-0.040 χ^2/NDF: 66397.5/80

- sign -51.148+/-0.057 χ^2/NDF: 33187.5/40

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -20.360+/-0.058 χ^2/NDF:6934.8/23

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

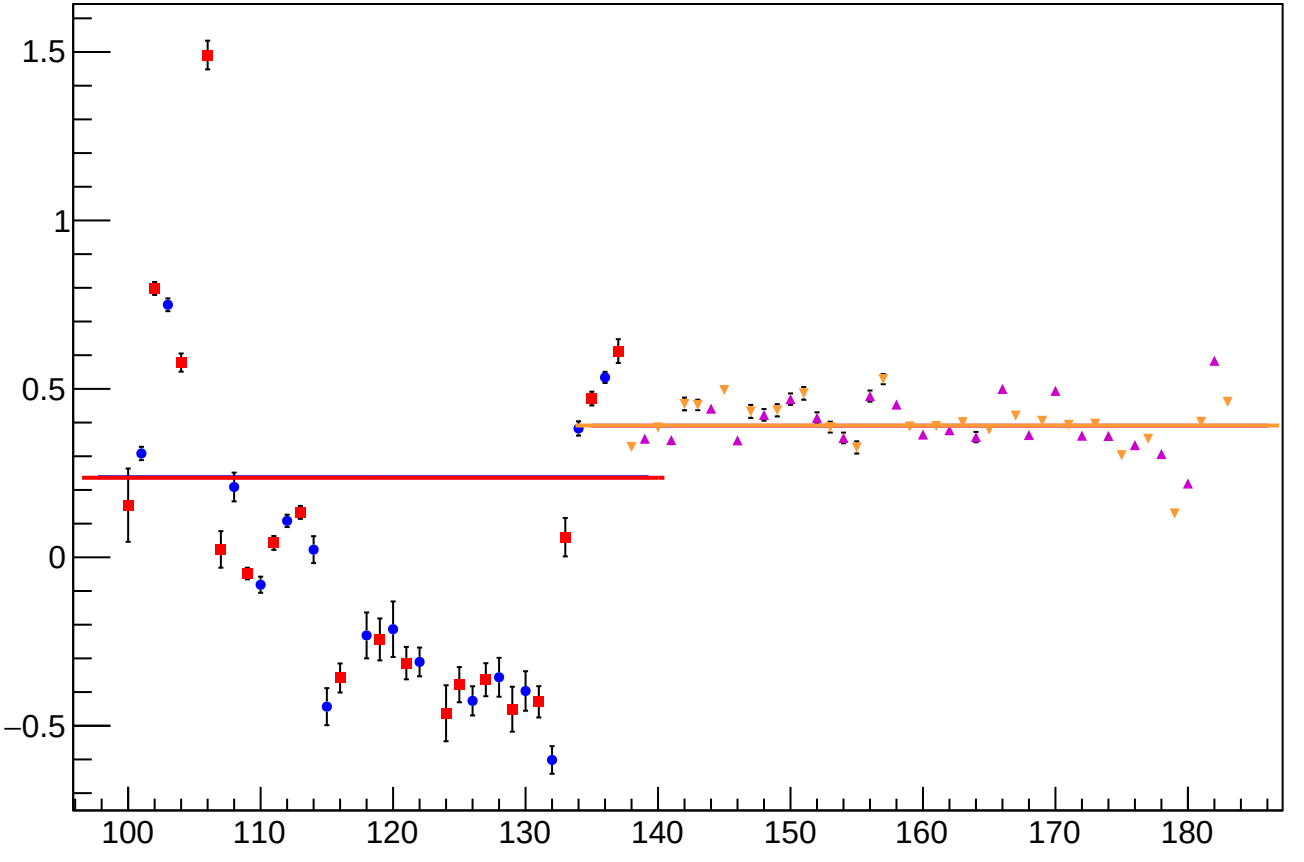
Left In: -20.237+/-0.060 χ^2/NDF:4179.7/21

+ sign -19.640+/-0.053 χ^2/NDF: 8642.1/39

All: -19.592+/-0.038 χ^2/NDF: 14234.5/80

- sign -19.541+/-0.054 χ^2/NDF: 5590.7/40

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.391+/-0.003 χ^2/NDF:912.6/23

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

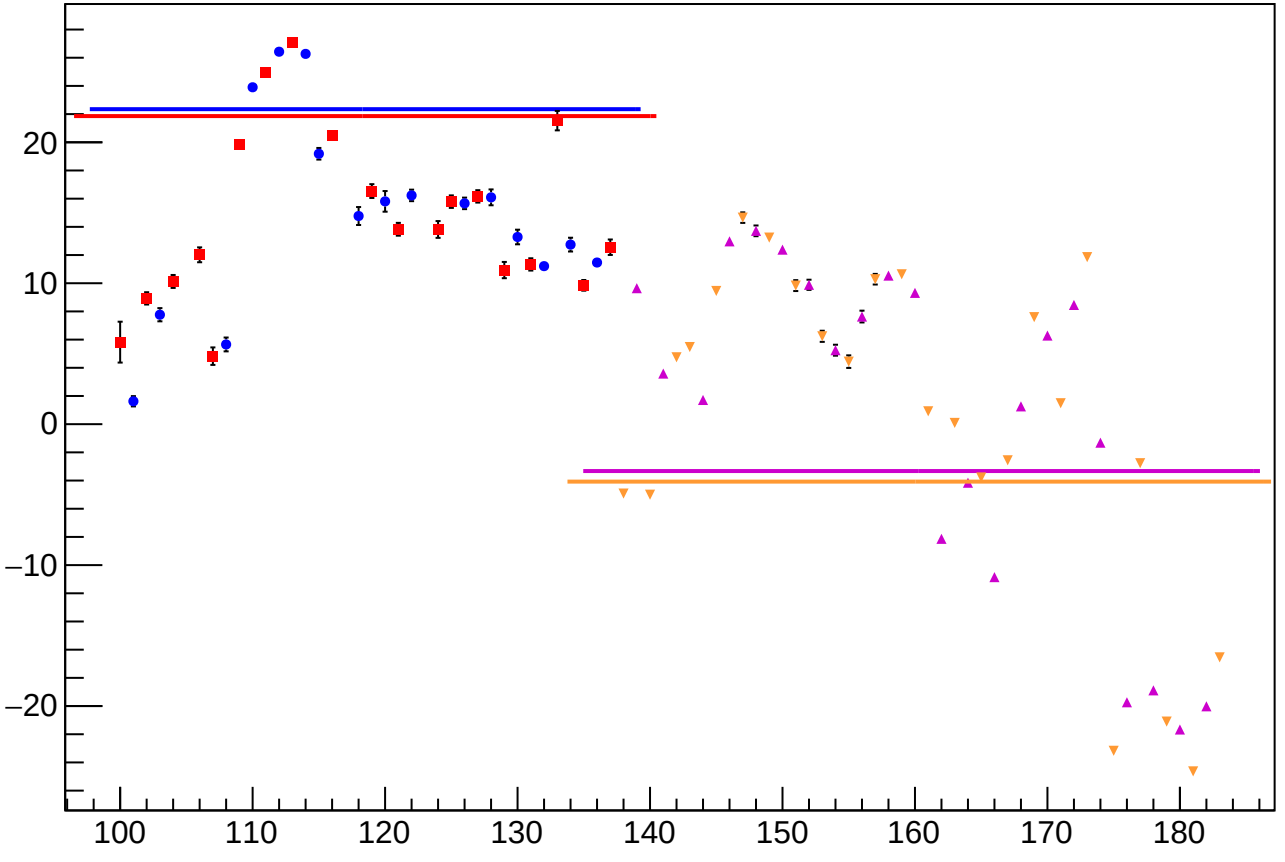
Left In: 0.391+/-0.003 χ^2/NDF:1082.3/21

+ sign 0.373+/-0.002 χ^2/NDF: 3961.1/39

All: 0.372+/-0.002 χ^2/NDF: 9054.2/80

- sign 0.372+/-0.002 χ^2/NDF: 5092.9/40

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -4.075+/-0.055 χ^2/NDF:53678.9/23

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

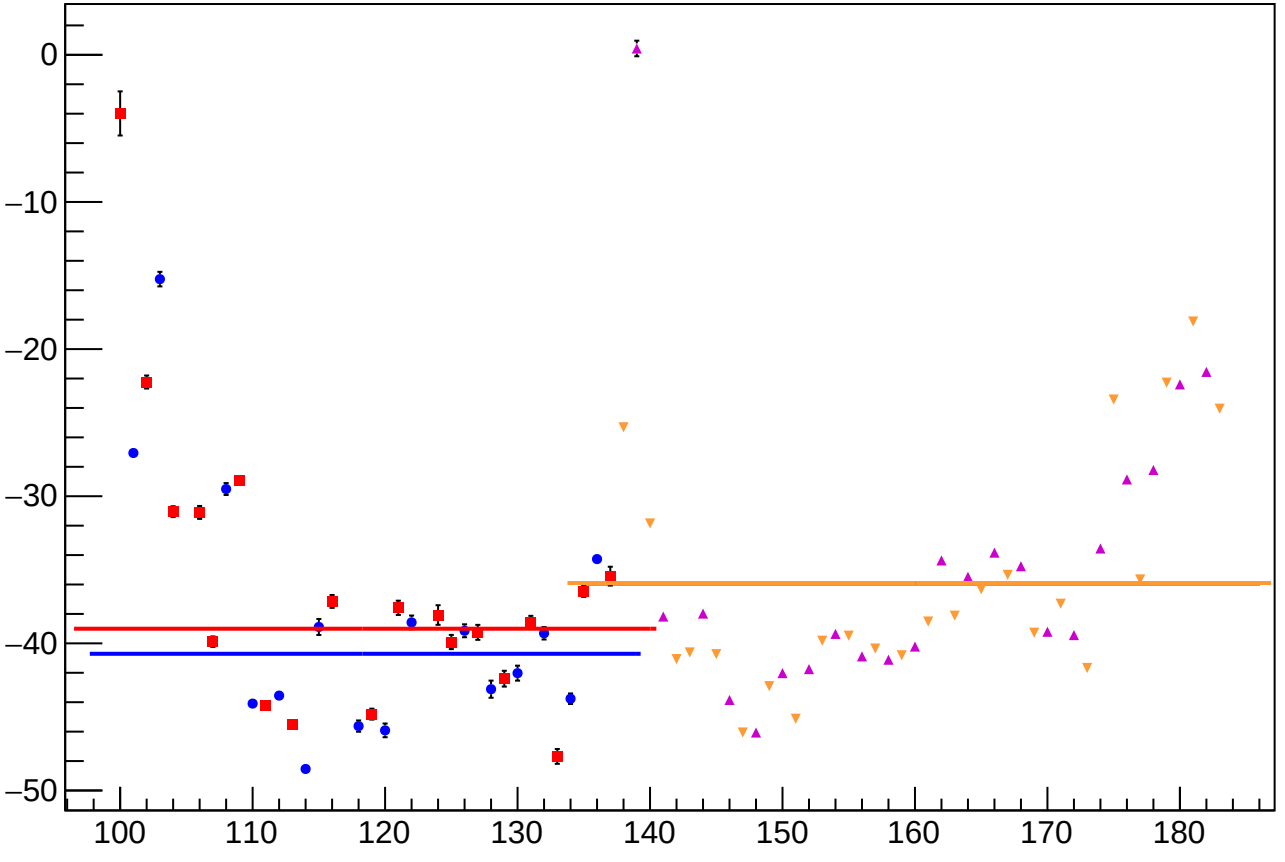
Left In: -3.326+/-0.058 χ^2/NDF:44828.3/21

+ sign 8.781+/-0.039 χ^2/NDF: 178119.8/39

All: 10.574+/-0.027 χ^2/NDF: 352342.1/80

- sign 12.084+/-0.036 χ^2/NDF: 170416.9/40

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -35.897+/-0.043 χ^2/NDF:33408.9/23

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

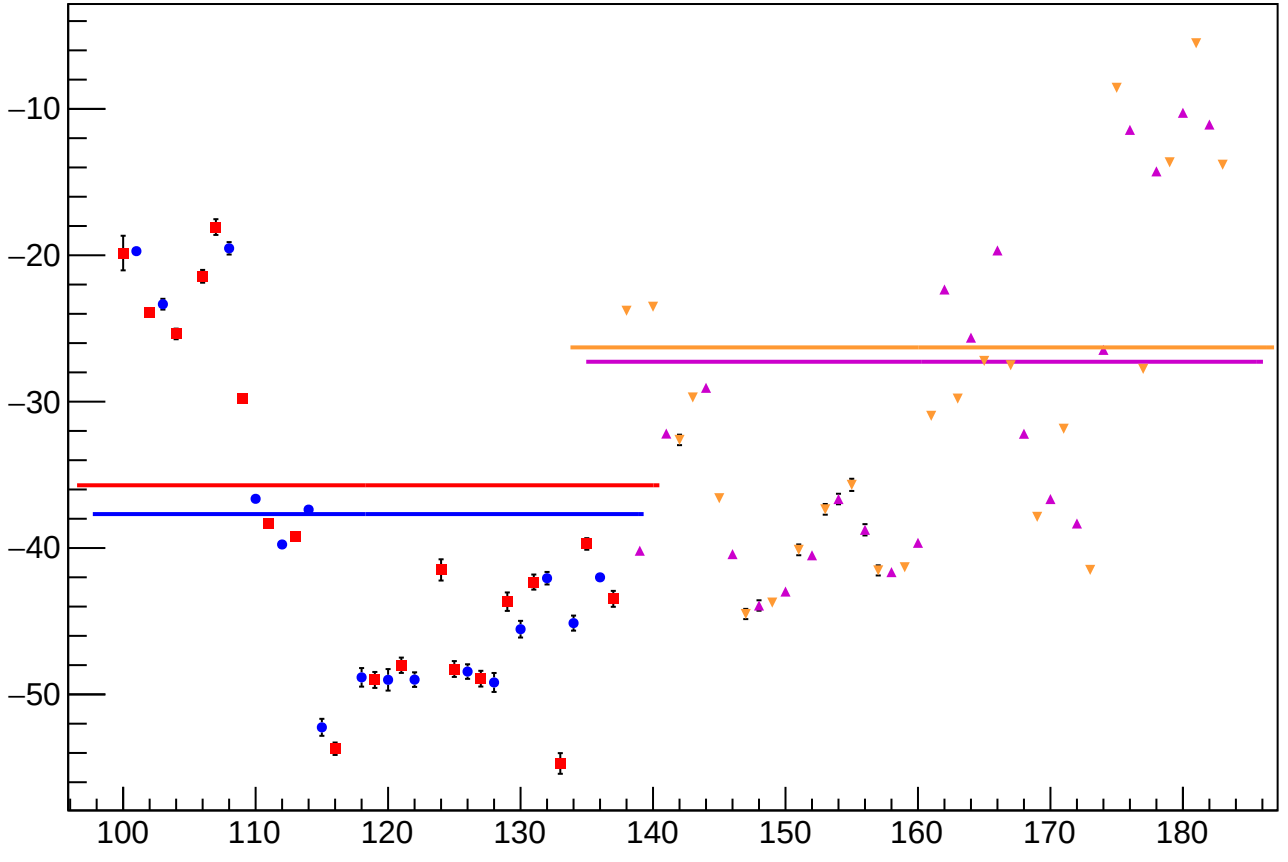
Left In: -35.934+/-0.045 χ^2/NDF:25992.7/21

+ sign -37.043+/-0.037 χ^2/NDF: 44204.0/39

All: -36.935+/-0.027 χ^2/NDF: 81643.9/80

- sign -36.822+/-0.038 χ^2/NDF: 37422.7/40

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -26.293+/-0.055 χ^2/NDF:47769.0/23

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

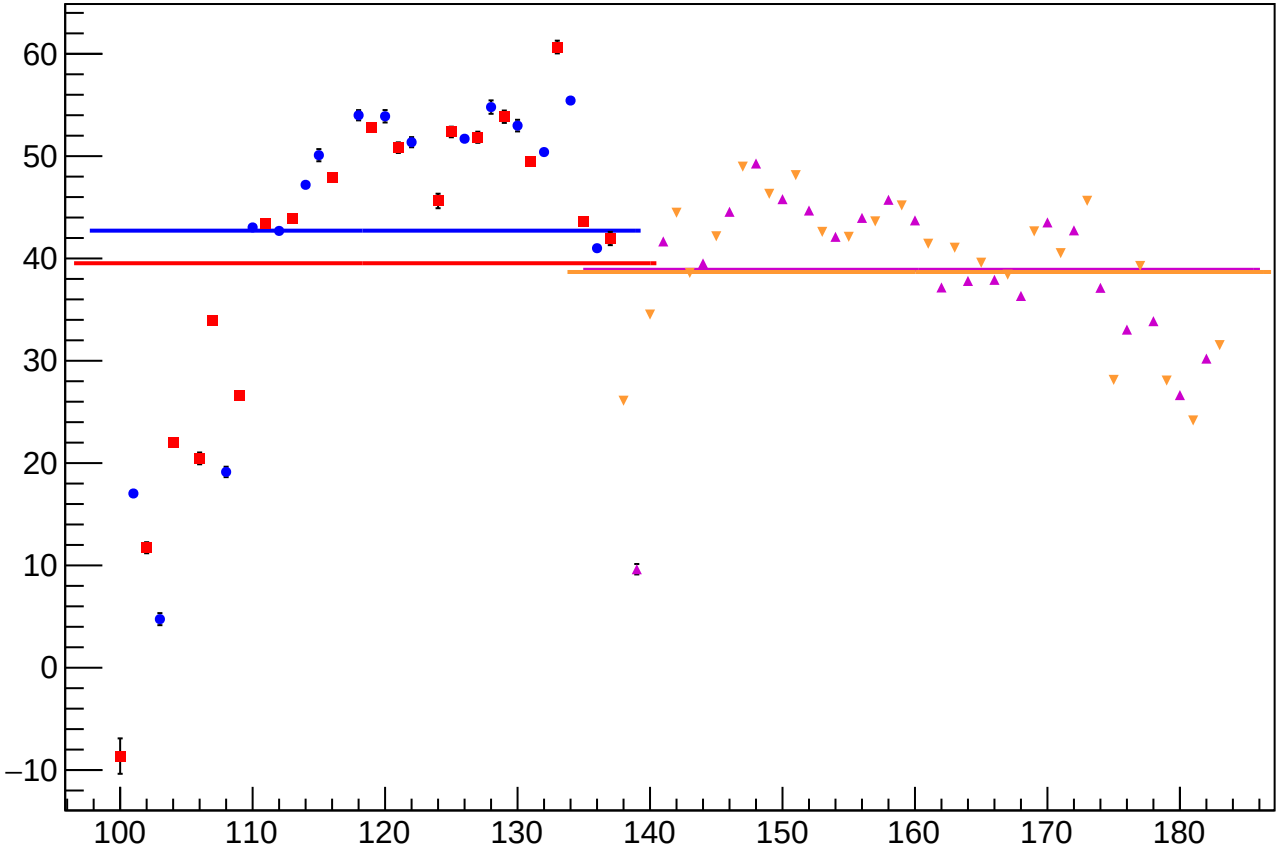
Left In: -27.274+/-0.058 χ^2/NDF:40862.0/21

+ sign -30.369+/-0.044 χ^2/NDF: 73933.3/39

All: -30.718+/-0.031 χ^2/NDF: 137704.6/80

- sign -31.050+/-0.043 χ^2/NDF: 63649.3/40

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 38.678+/-0.048 χ^2/NDF:20826.5/23

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

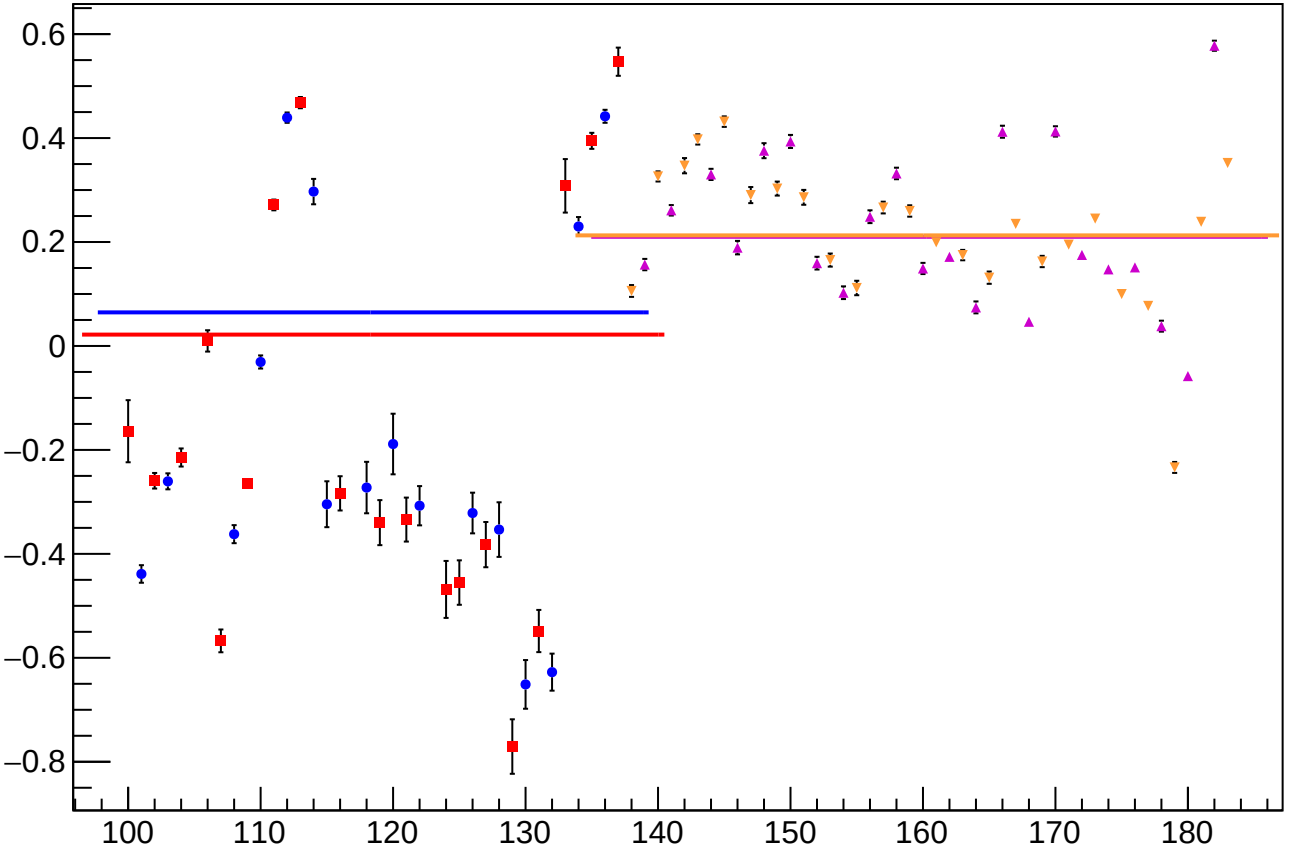
Left In: 38.892+/-0.051 χ^2/NDF:16017.9/21

+ sign 39.658+/-0.042 χ^2/NDF: 37300.0/39

All: 39.374+/-0.030 χ^2/NDF: 71436.8/80

- sign 39.082+/-0.042 χ^2/NDF: 34043.5/40

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.213+/-0.002 χ^2/NDF:3831.2/23

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

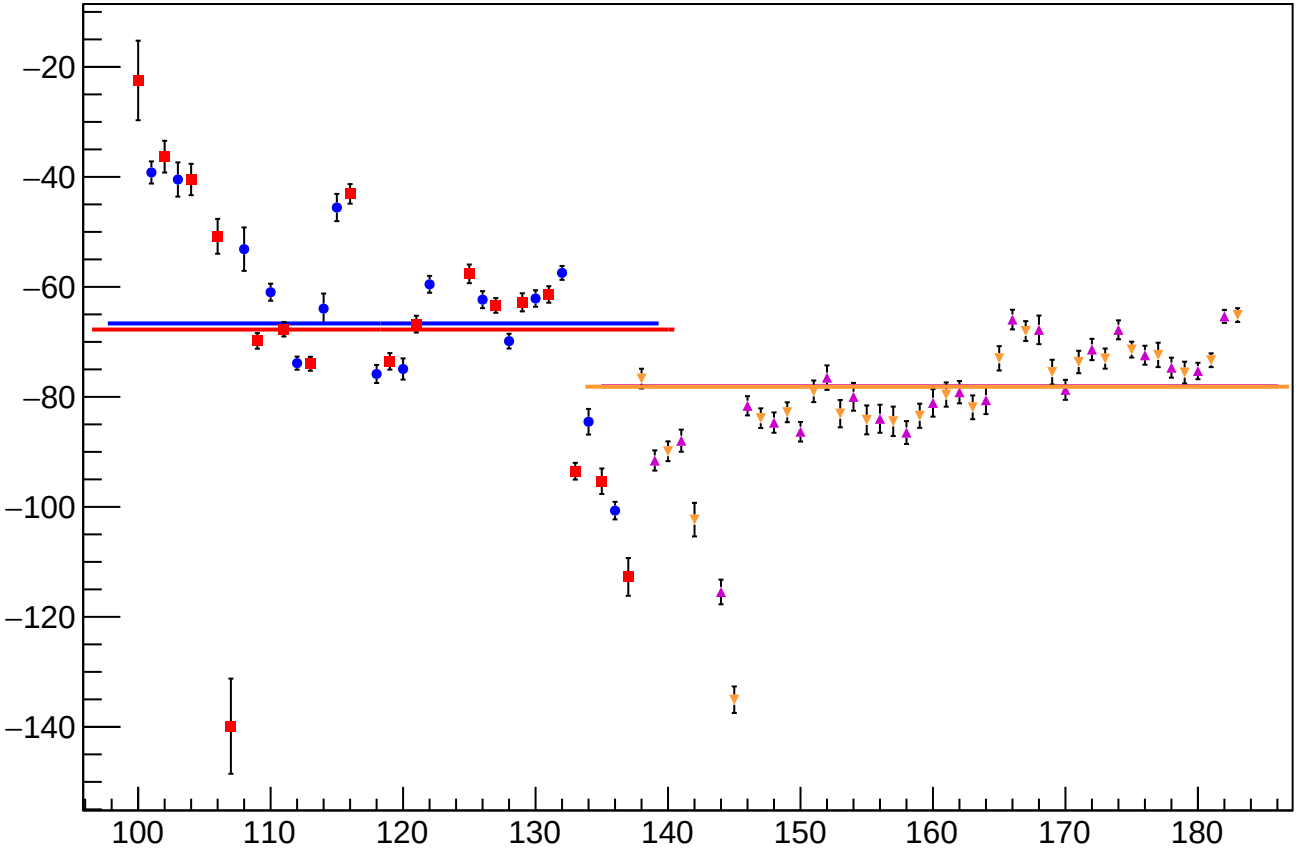
Left In: 0.210+/-0.002 χ^2/NDF:4599.2/21

+ sign 0.188+/-0.002 χ^2/NDF: 10108.0/39

All: 0.179+/-0.001 χ^2/NDF: 22606.1/80

- sign 0.171+/-0.002 χ^2/NDF: 12461.3/40

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -78.145+/-0.398 χ^2/NDF:907.8/22

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

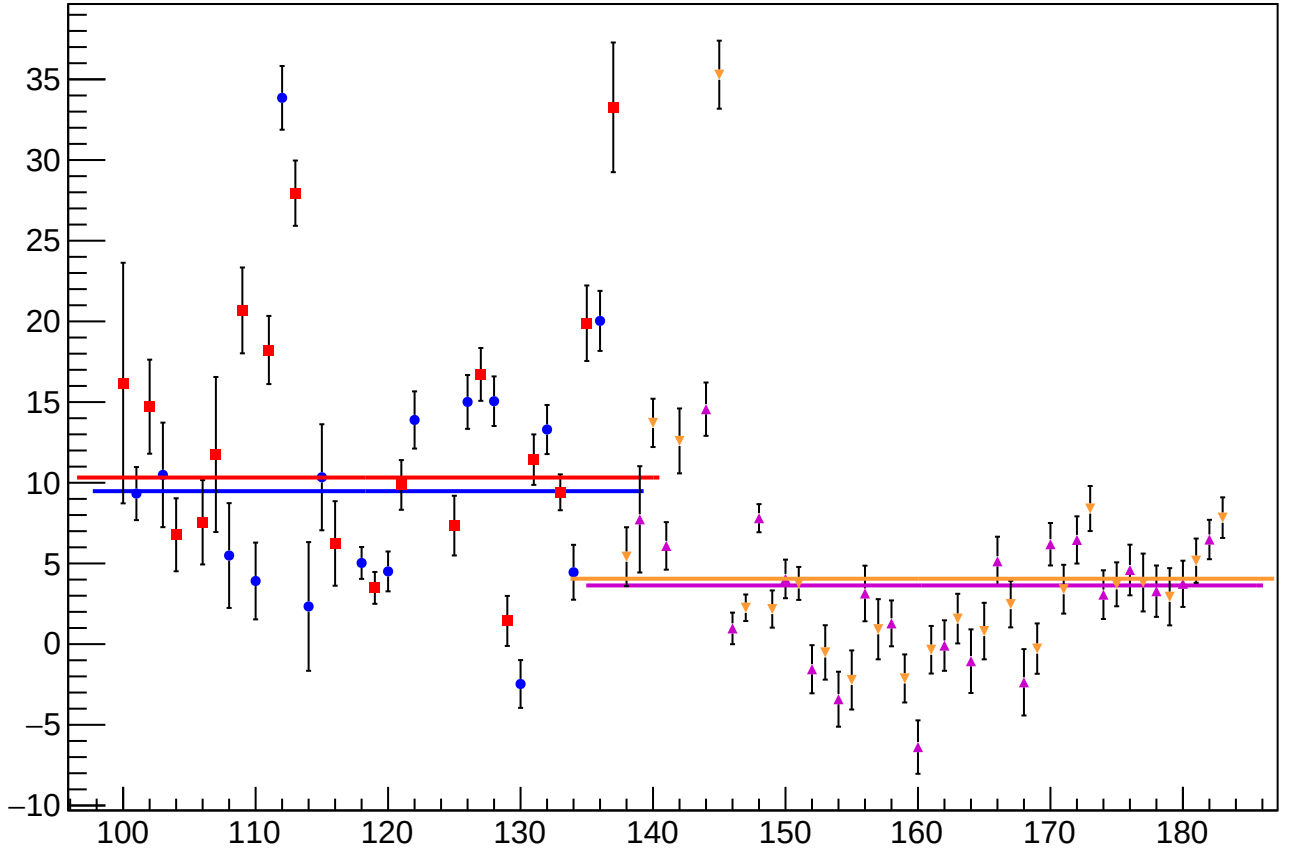
Left In: -78.056+/-0.403 χ^2/NDF:662.2/21

+ sign -72.787+/-0.291 χ^2/NDF: 2349.0/38

All: -72.948+/-0.206 χ^2/NDF: 4580.6/78

- sign -73.108+/-0.291 χ^2/NDF: 2231.0/39

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 4.053+/-0.299 χ^2/NDF:370.3/22

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

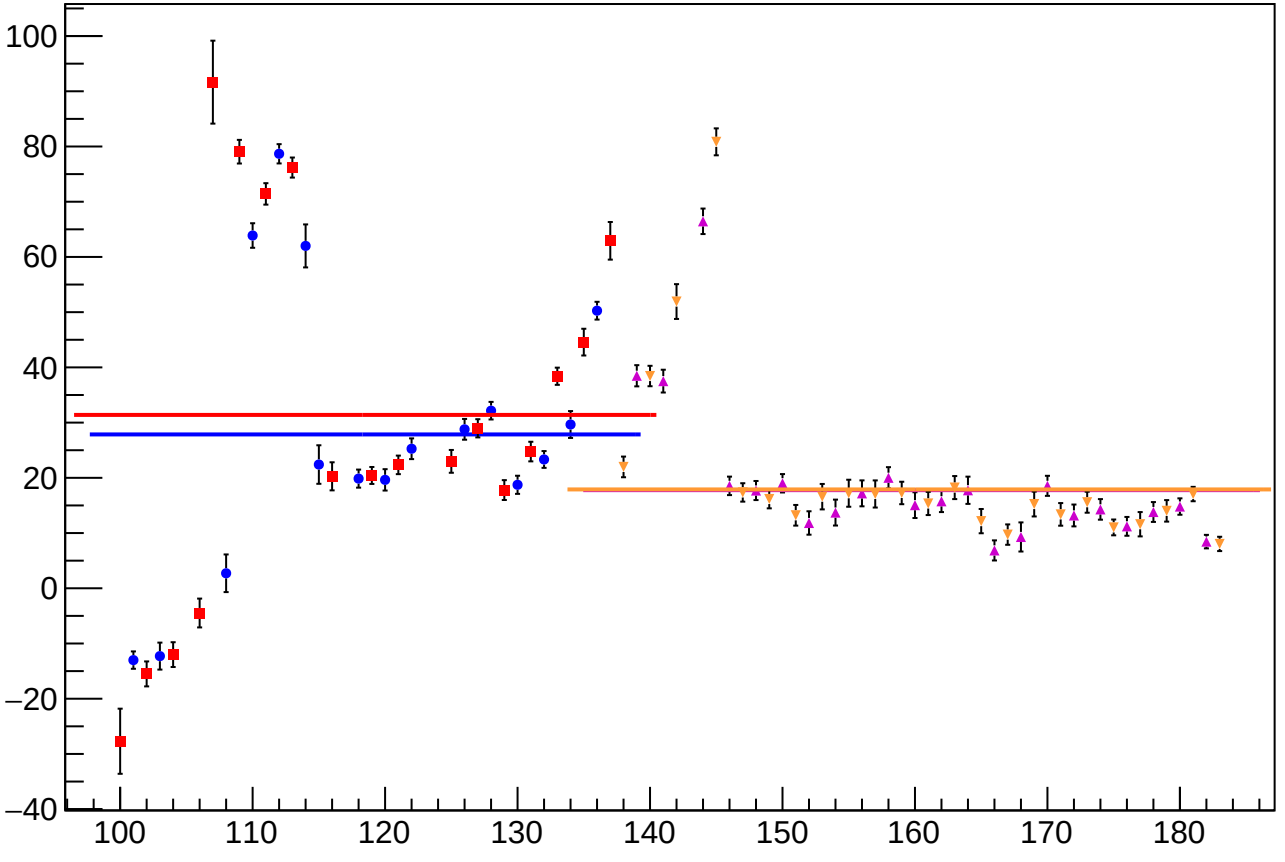
Left In: 3.637+/-0.305 χ^2/NDF:181.4/21

+ sign 5.833+/-0.245 χ^2/NDF: 820.2/38

All: 5.835+/-0.175 χ^2/NDF: 1423.2/78

- sign 5.837+/-0.250 χ^2/NDF: 603.0/39

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 17.899+/-0.395 χ^2/NDF:1047.4/22

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

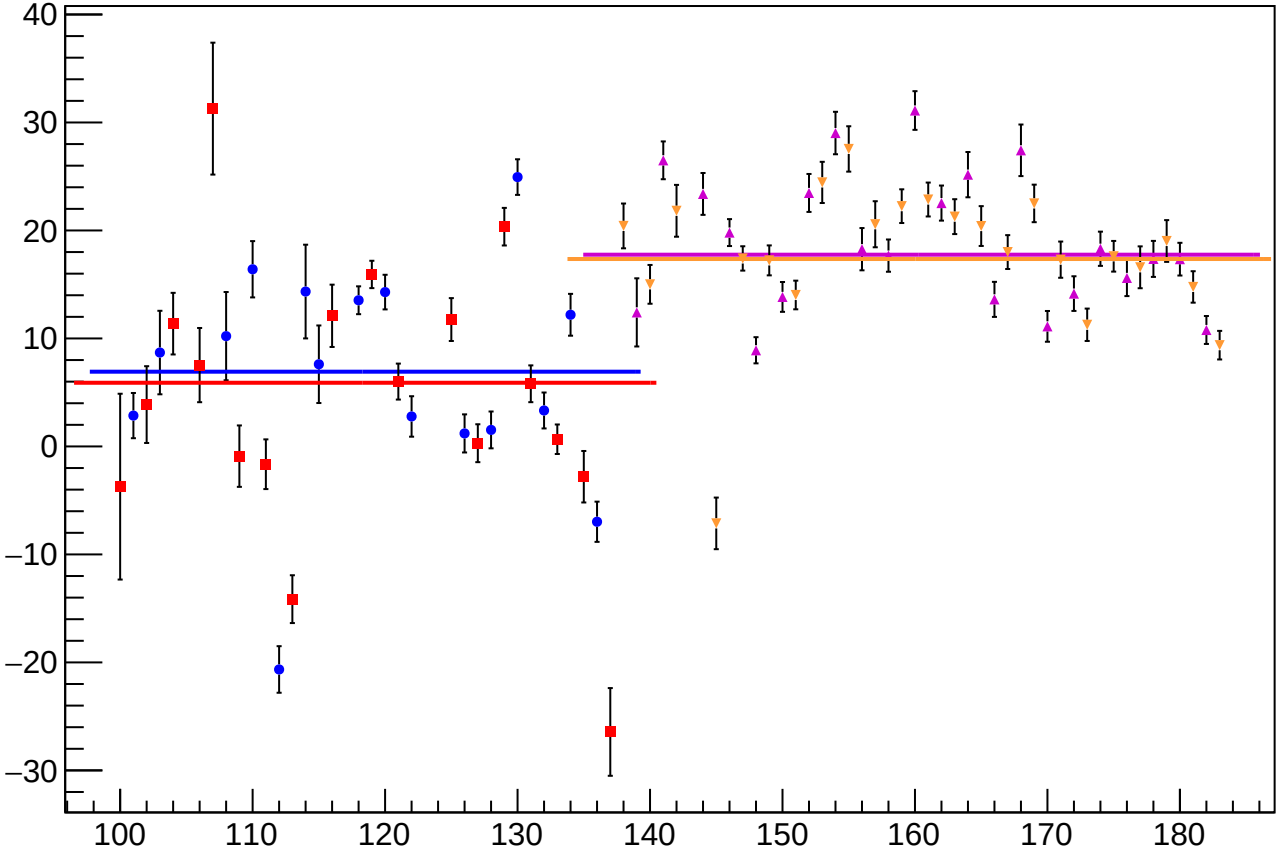
Left In: 17.770+/-0.399 χ^2/NDF:805.0/21

\+ sign 21.893+/-0.305 χ^2/NDF: 3776.7/38

All: 22.557+/-0.217 χ^2/NDF: 8070.3/78

\- sign 23.235+/-0.309 χ^2/NDF: 4284.0/39

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.356+/-0.341 χ^2/NDF:254.9/22

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

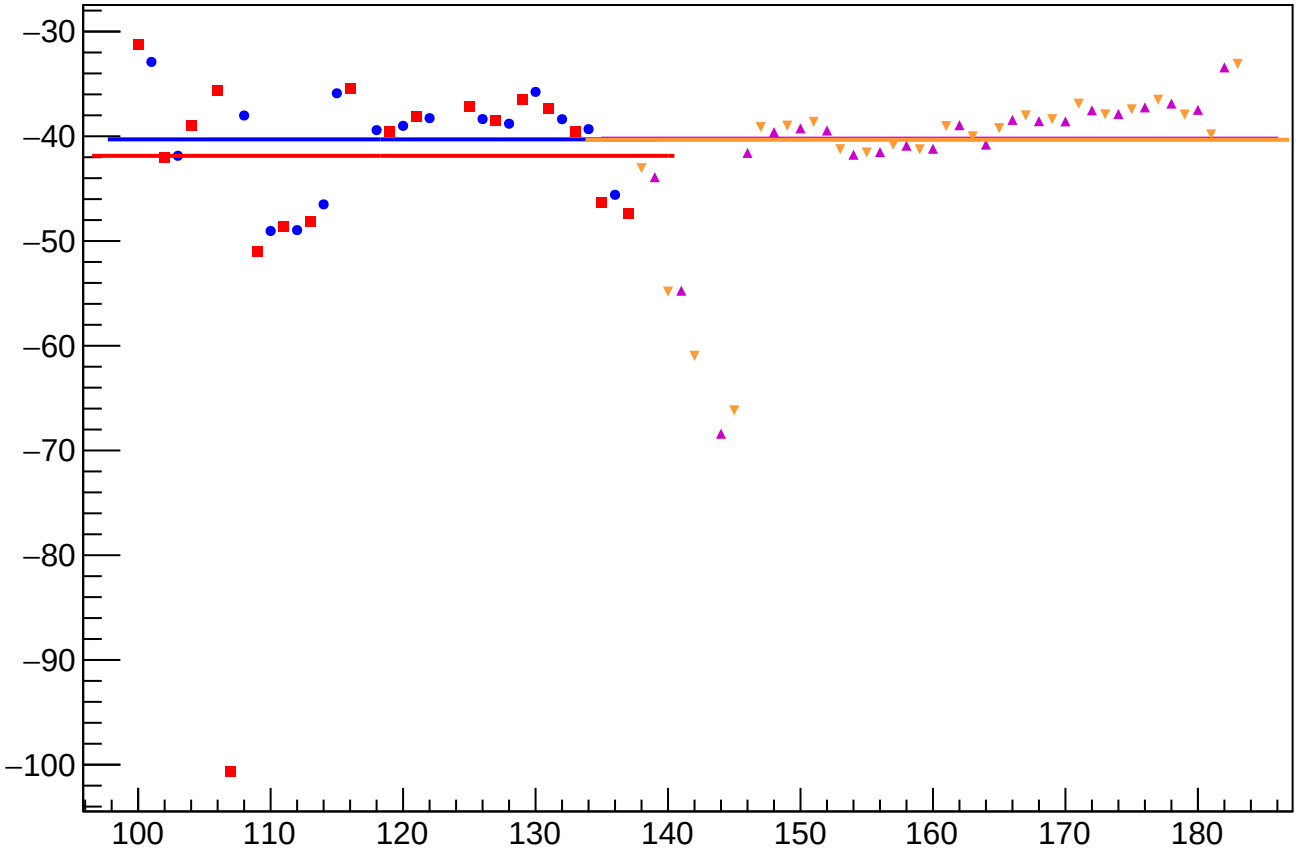
Left In: 17.756+/-0.346 χ^2/NDF:301.0/21

+ sign 14.001+/-0.281 χ^2/NDF: 1000.0/38

All: 13.964+/-0.200 χ^2/NDF: 2047.0/78

- sign 13.926+/-0.285 χ^2/NDF: 1047.0/39

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -40.336+/-0.016 χ^2/NDF:158347.0/22

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

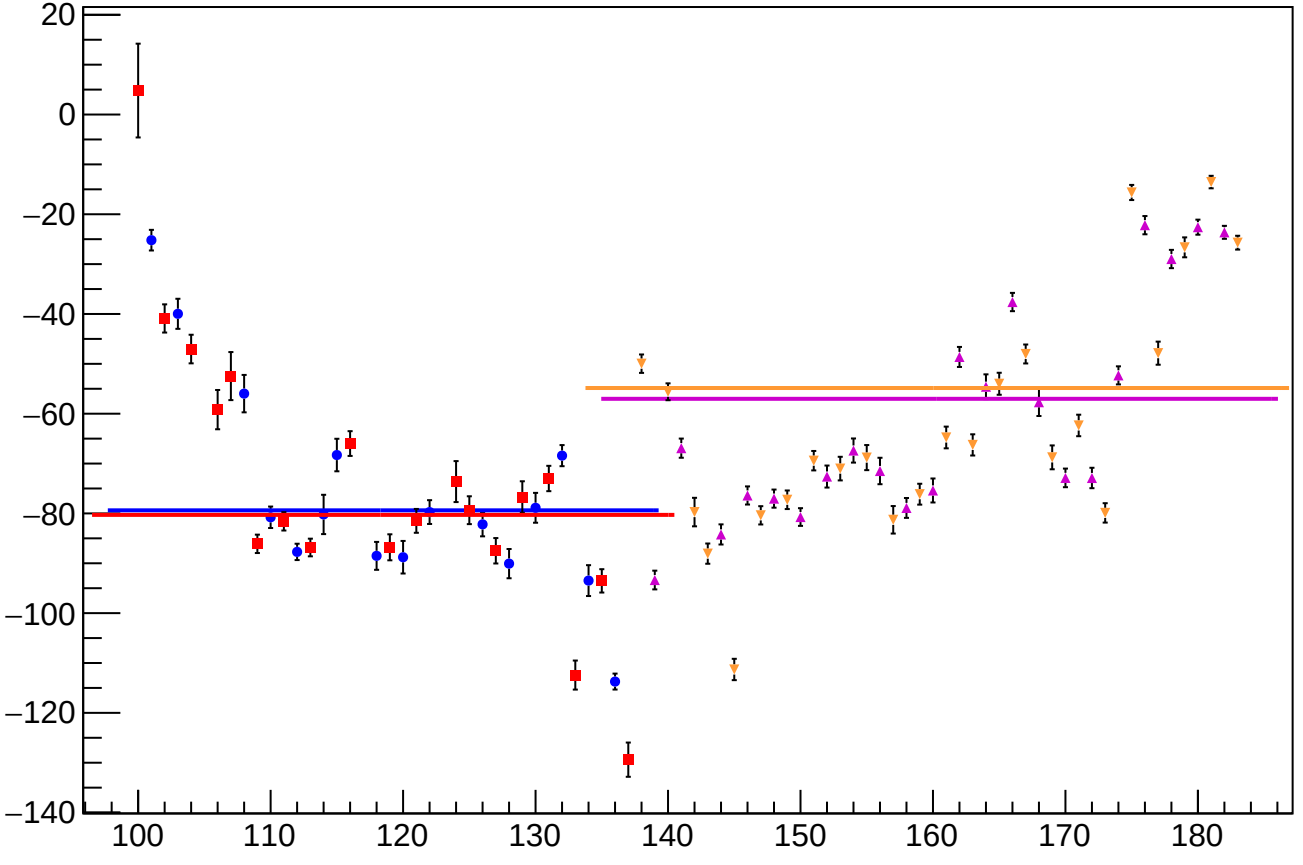
Left In: -40.225+/-0.016 χ^2/NDF:131697.0/21

+ sign -40.328+/-0.014 χ^2/NDF: 179012.0/38

All: -40.433+/-0.010 χ^2/NDF: 371674.6/78

- sign -40.538+/-0.014 χ^2/NDF: 192549.8/39

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -54.848+/-0.396 χ^2/NDF:4389.6/23

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

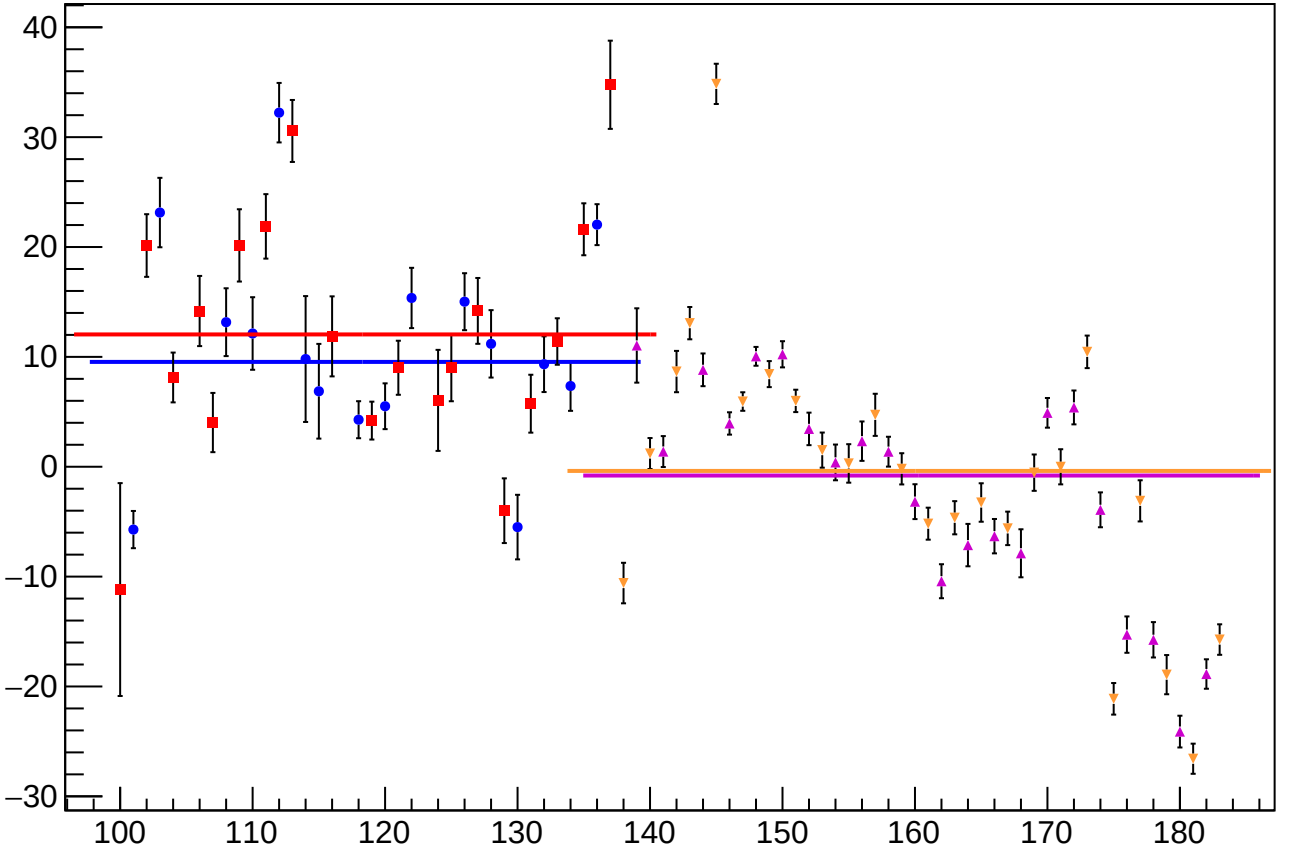
Left In: -57.016+/-0.410 χ^2/NDF:3316.2/21

+ sign -62.114+/-0.333 χ^2/NDF: 7000.1/39

All: -63.211+/-0.237 χ^2/NDF: 12270.4/80

- sign -64.350+/-0.339 χ^2/NDF: 5248.1/40

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: -0.380+/-0.296 χ^2/NDF:1560.1/23

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

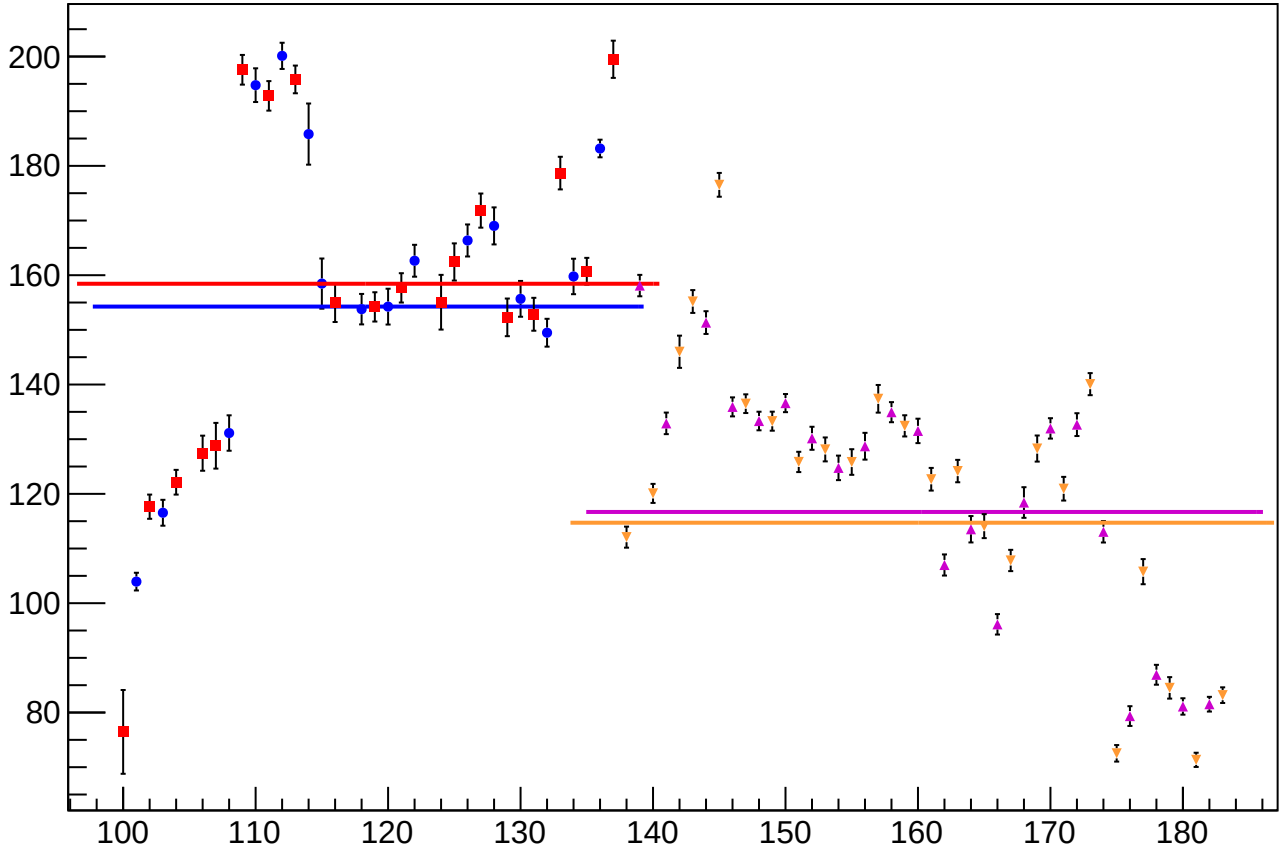
Left In: -0.800+/-0.307 χ^2/NDF:1056.0/21

+ sign 1.455+/-0.267 χ^2/NDF: 2035.1/39

All: 1.534+/-0.192 χ^2/NDF: 3617.2/80

- sign 1.620+/-0.276 χ^2/NDF: 1581.9/40

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 114.720+/-0.393 χ^2/NDF:4712.8/23

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

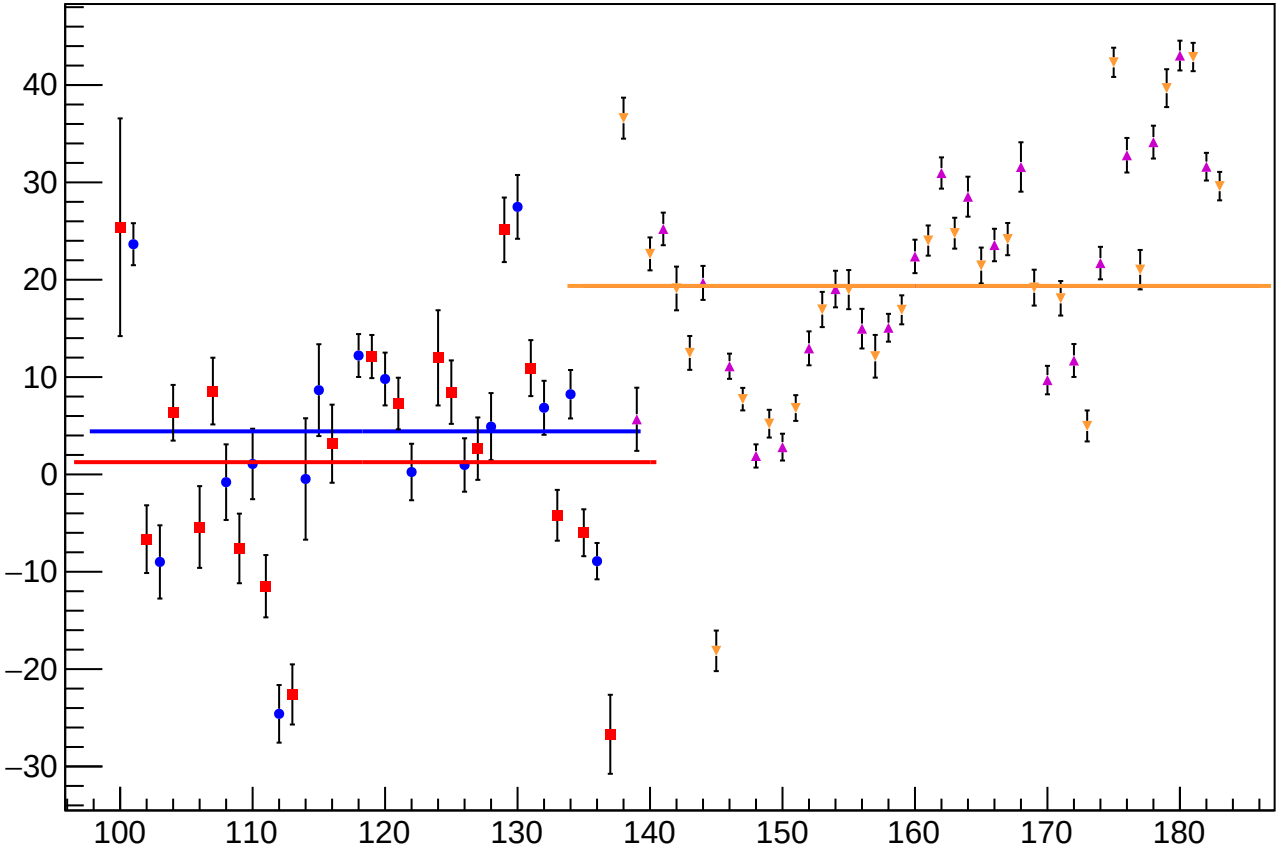
Left In: 116.689+/-0.405 χ^2/NDF:3591.9/21

+ sign 125.036+/-0.338 χ^2/NDF: 9565.3/39

All: 126.252+/-0.242 χ^2/NDF: 17616.0/80

- sign 127.541+/-0.348 χ^2/NDF: 8024.1/40

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 19.363+/-0.338 χ^2/NDF:1482.6/23

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

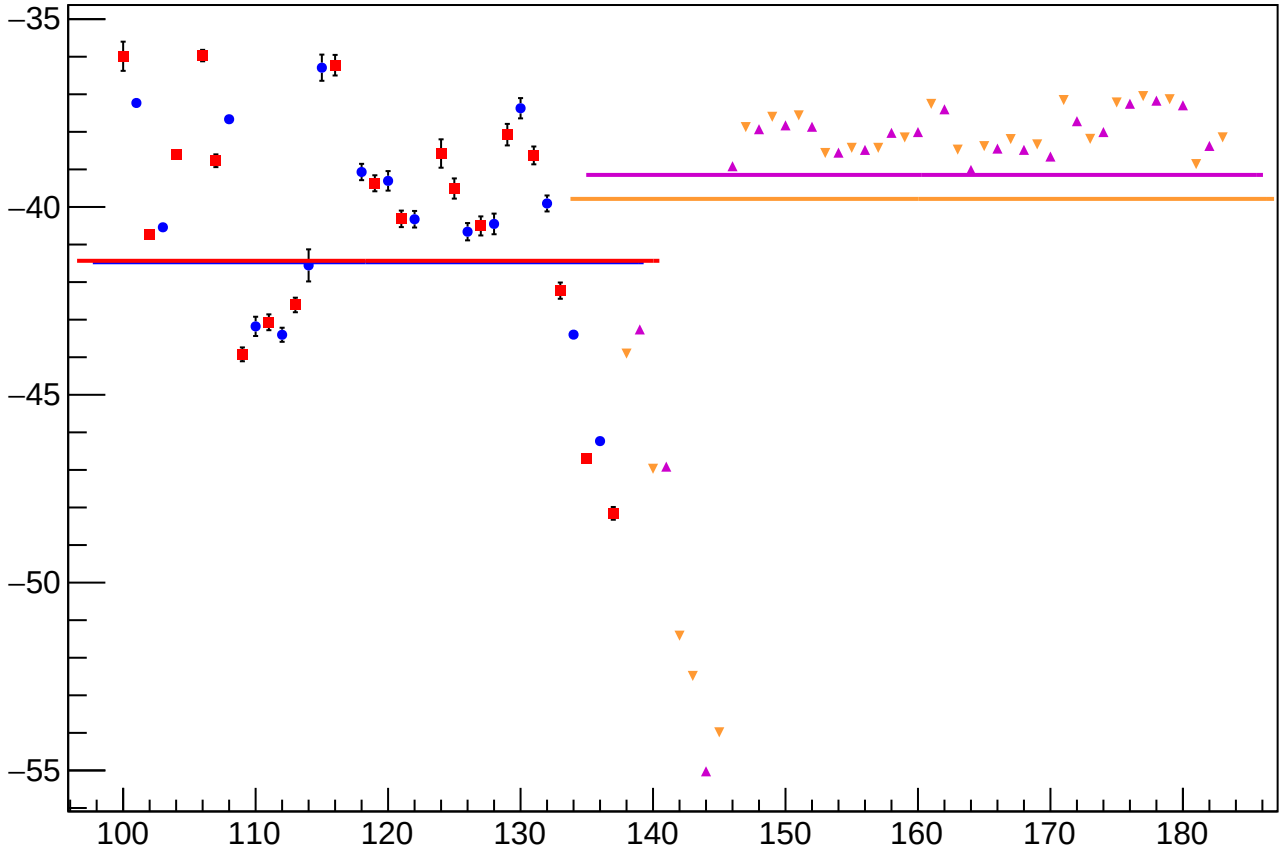
Left In: 19.359+/-0.349 χ^2/NDF:1075.5/21

\+ sign 16.621+/-0.306 χ^2/NDF: 2156.1/39

All: 16.320+/-0.220 χ^2/NDF: 3996.9/80

\- sign 15.999+/-0.315 χ^2/NDF: 1838.7/40

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -39.785+/-0.016 χ^2/NDF:81712.7/23

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

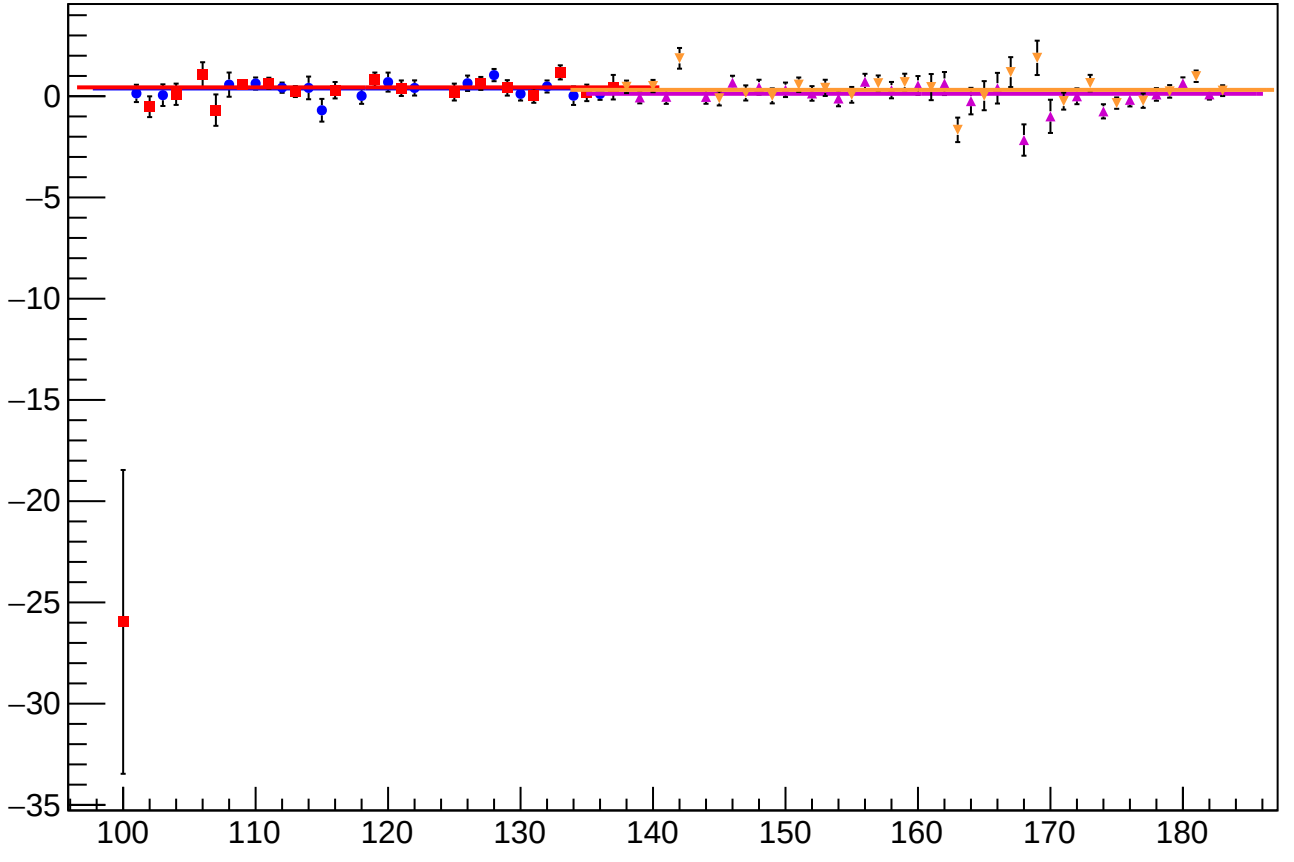
Left In: -39.146+/-0.016 χ^2/NDF:46907.4/21

+ sign -40.026+/-0.014 χ^2/NDF: 91303.7/39

All: -39.748+/-0.010 χ^2/NDF: 150079.6/80

- sign -39.461+/-0.015 χ^2/NDF: 58020.3/40

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.313+/-0.079 χ^2/NDF:46.2/22

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

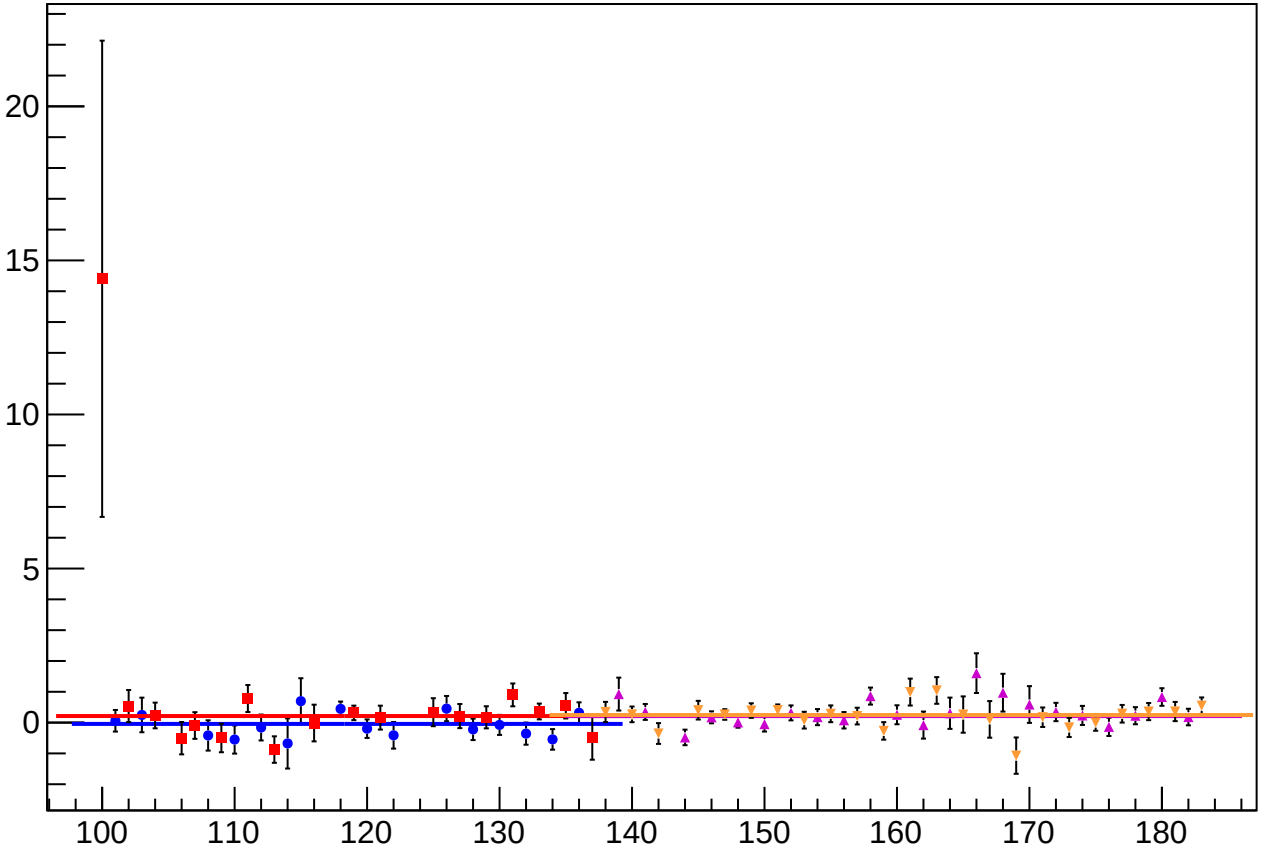
Left In: 0.119+/-0.081 χ^2/NDF:30.0/21

+ sign 0.342+/-0.060 χ^2/NDF: 60.5/38

All: 0.301+/-0.042 χ^2/NDF: 127.3/78

- sign 0.260+/-0.060 χ^2/NDF: 65.8/39

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.246+/-0.060 χ^2/NDF:23.9/22

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

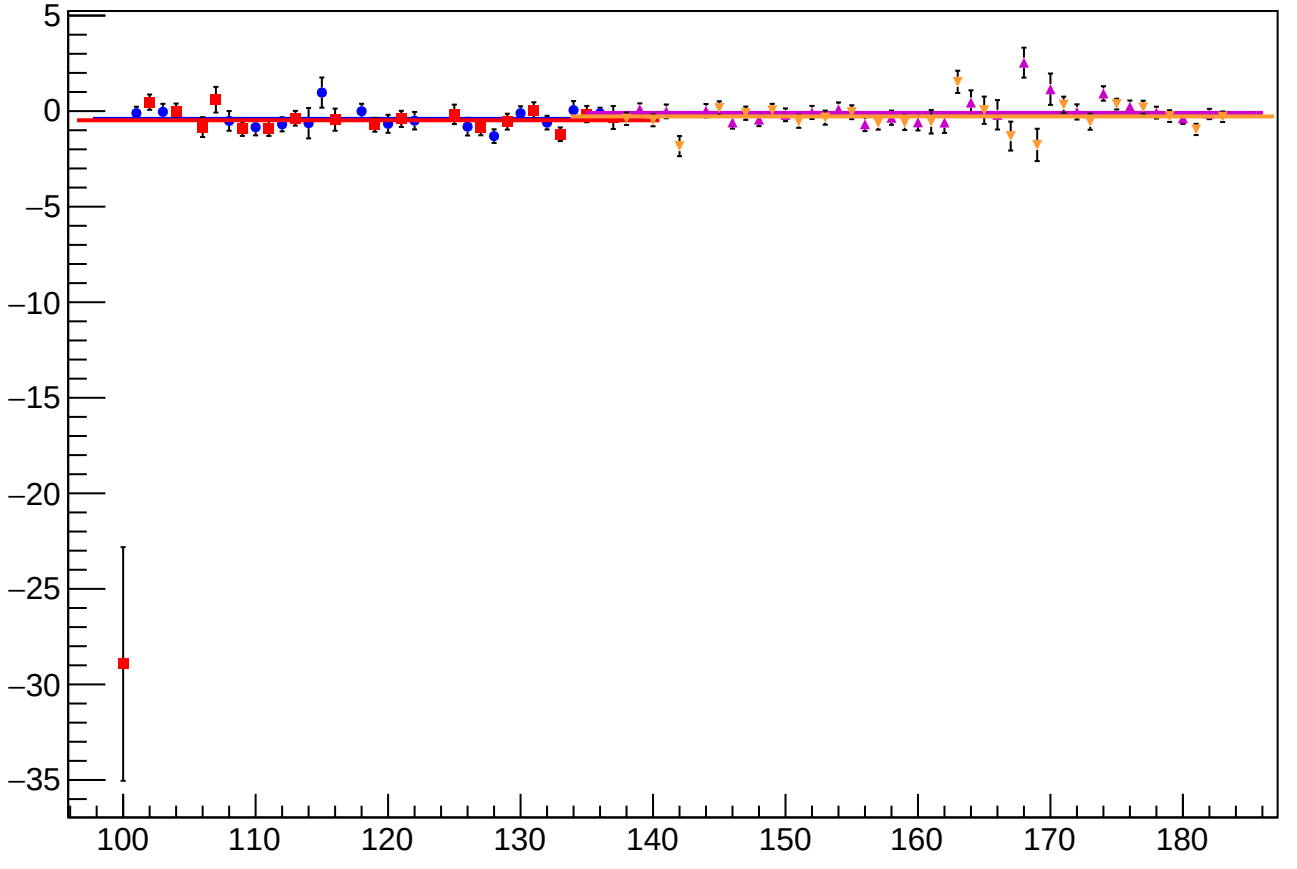
Left In: 0.212+/-0.061 χ^2/NDF:31.6/21

+ sign 0.163+/-0.050 χ^2/NDF: 45.6/38

All: 0.187+/-0.036 χ^2/NDF: 100.0/78

- sign 0.212+/-0.051 χ^2/NDF: 54.0/39

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.278+/-0.078 χ^2/NDF:44.3/22

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

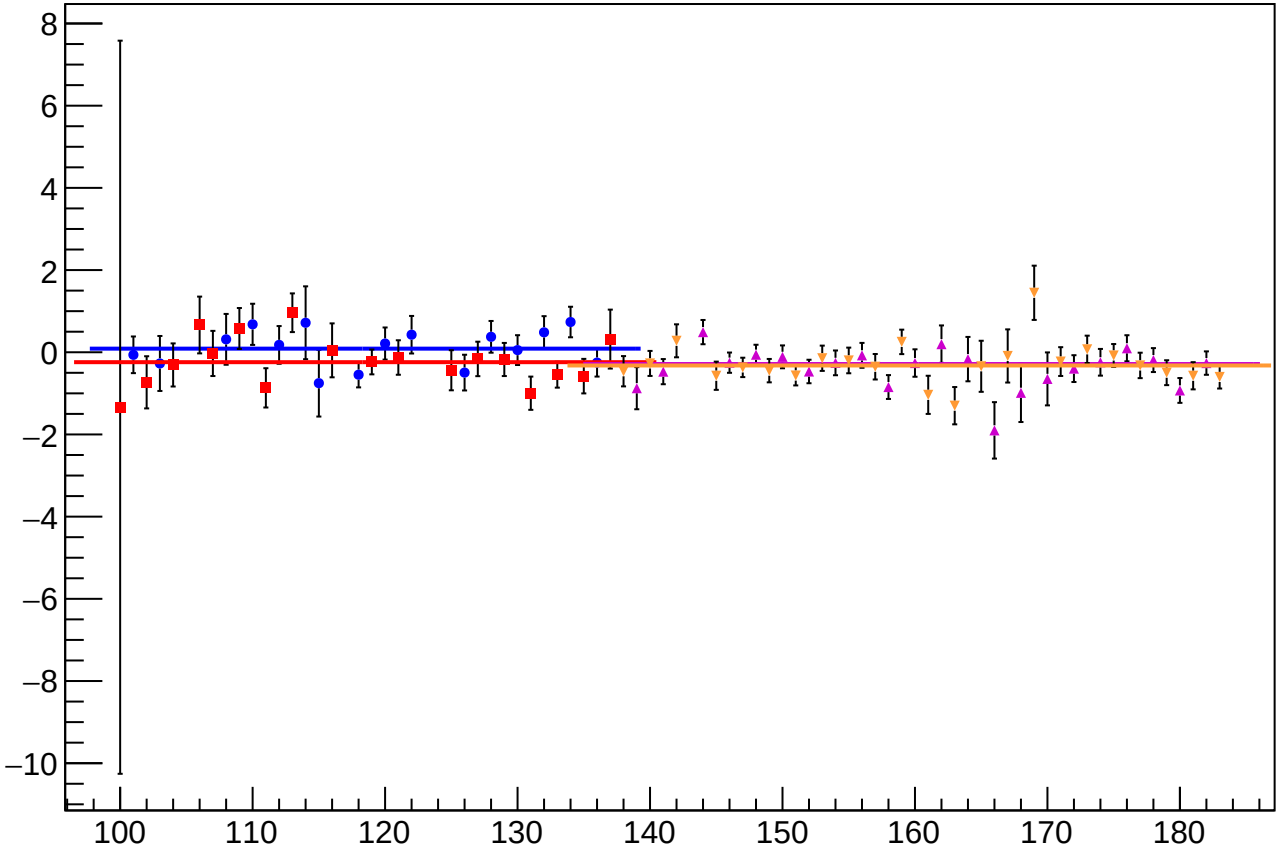
Left In: -0.094+/-0.079 χ^2/NDF:33.0/21

+ sign -0.325+/-0.062 χ^2/NDF: 63.1/38

All: -0.280+/-0.044 χ^2/NDF: 147.9/78

- sign -0.235+/-0.063 χ^2/NDF: 83.8/39

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.322+/-0.069 χ^2/NDF:26.9/22

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

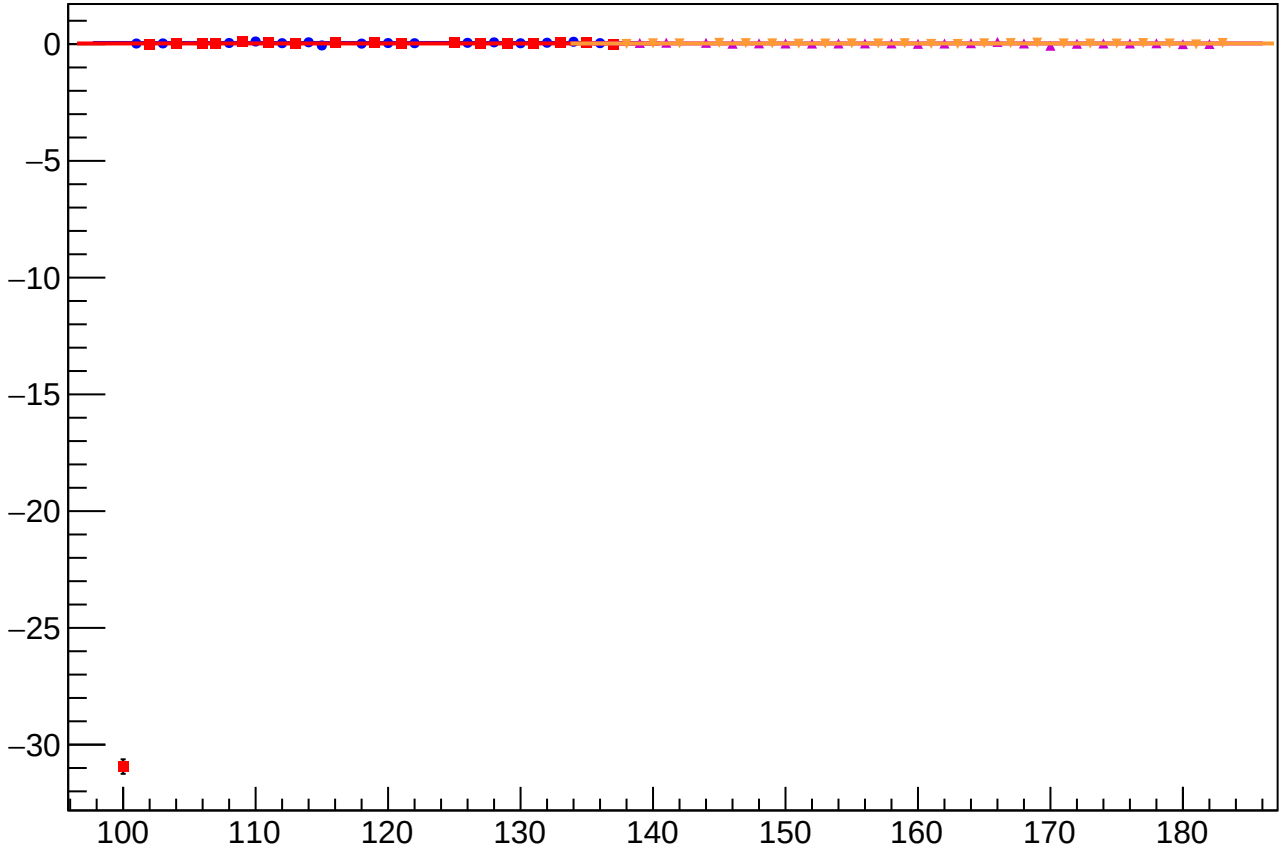
Left In: -0.287+/-0.070 χ^2/NDF:28.8/21

+ sign -0.205+/-0.058 χ^2/NDF: 52.9/38

All: -0.239+/-0.041 χ^2/NDF: 102.1/78

- sign -0.274+/-0.059 χ^2/NDF: 48.5/39

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.003 χ^2/NDF:24.7/22

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

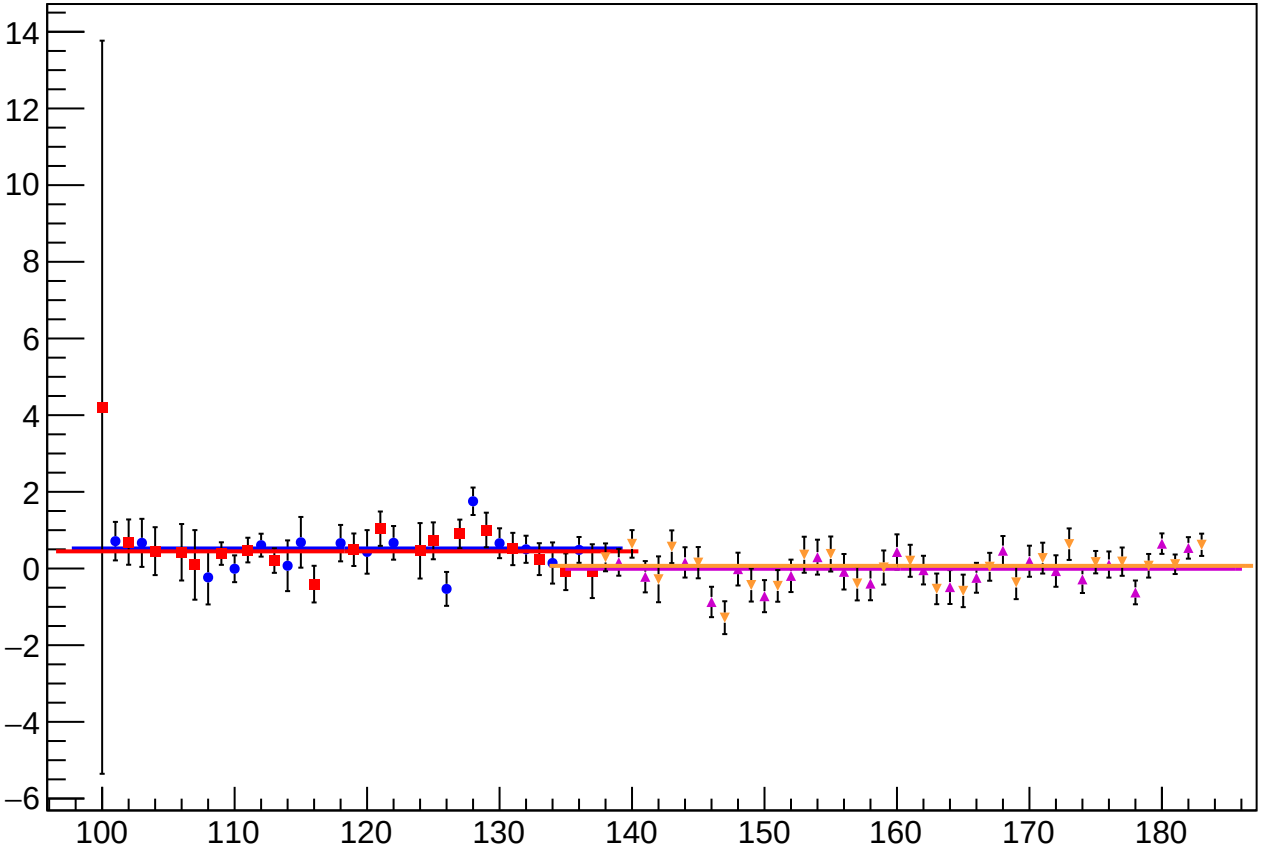
Left In: 0.029+/-0.003 χ^2/NDF:38.8/21

+ sign 0.031+/-0.003 χ^2/NDF: 53.3/38

All: 0.030+/-0.002 χ^2/NDF: 10113.4/78

- sign 0.029+/-0.003 χ^2/NDF: 10059.8/39

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.069+/-0.078 χ^2/NDF:31.1/23

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

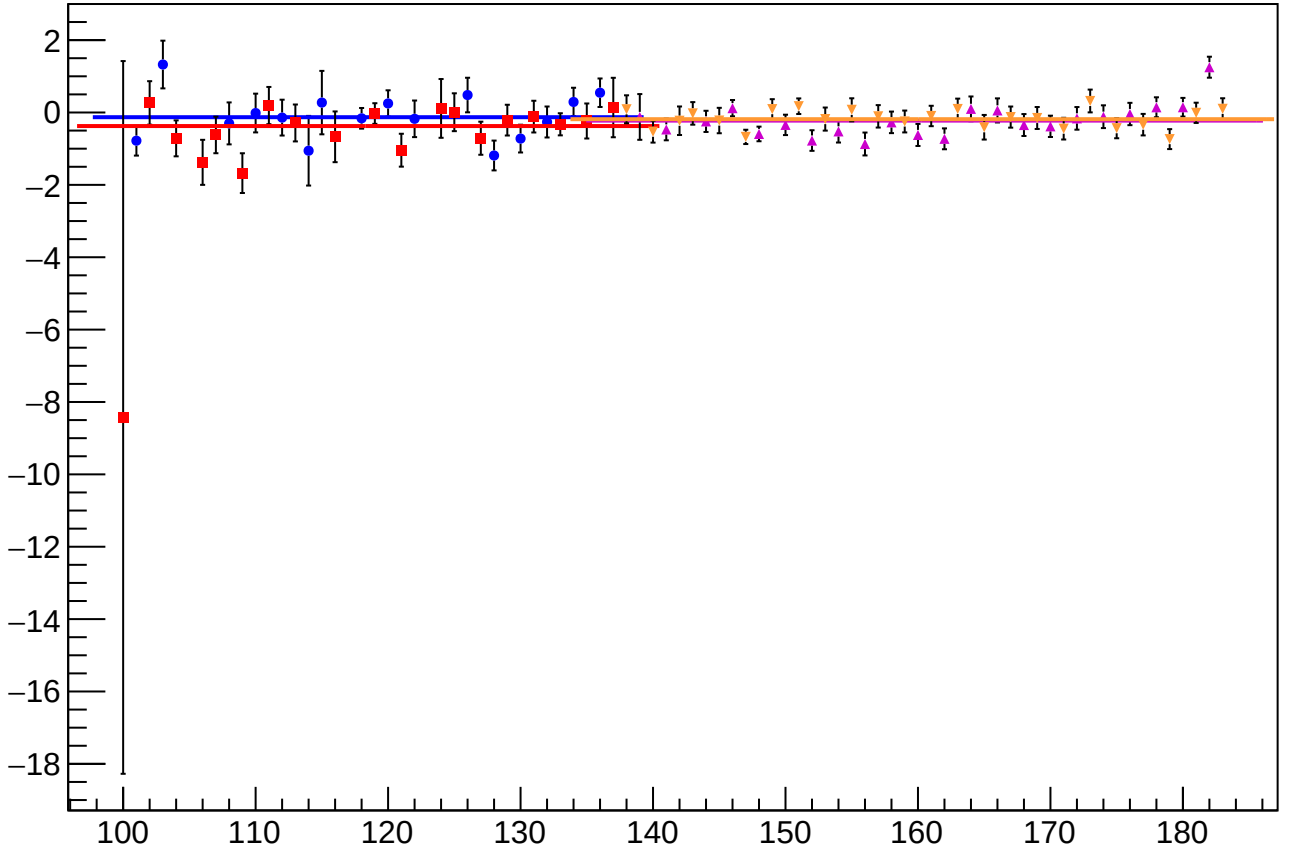
Left In: -0.007+/-0.080 χ^2/NDF:28.5/21

+ sign 0.223+/-0.063 χ^2/NDF: 65.3/39

All: 0.192+/-0.045 χ^2/NDF: 117.5/80

- sign 0.161+/-0.064 χ^2/NDF: 51.7/40

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.185+/-0.059 χ^2/NDF:24.1/23

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

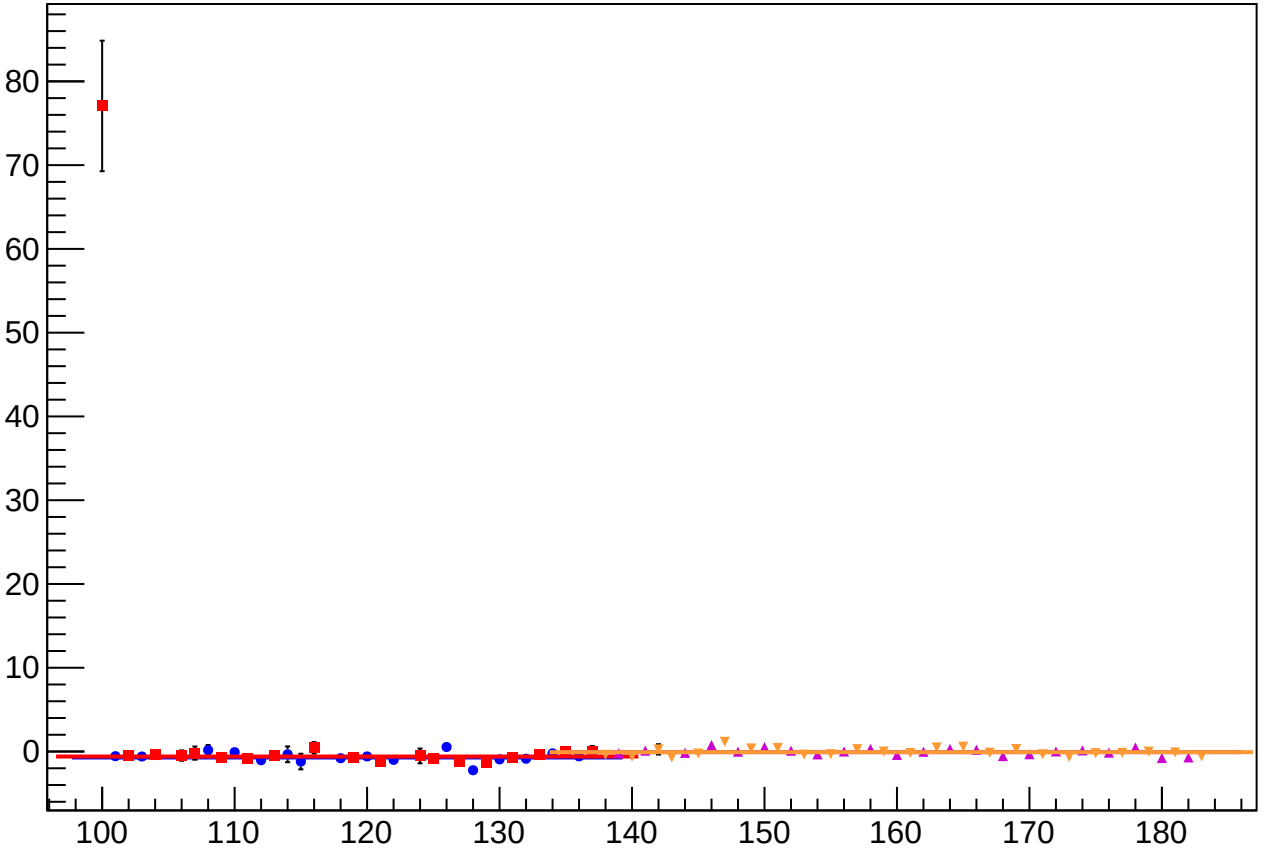
Left In: -0.224+/-0.062 χ^2/NDF:52.5/21

+ sign -0.173+/-0.052 χ^2/NDF: 48.8/39

All: -0.215+/-0.038 χ^2/NDF: 122.2/80

- sign -0.260+/-0.054 χ^2/NDF: 72.1/40

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.079+/-0.077 χ^2/NDF:30.0/23

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

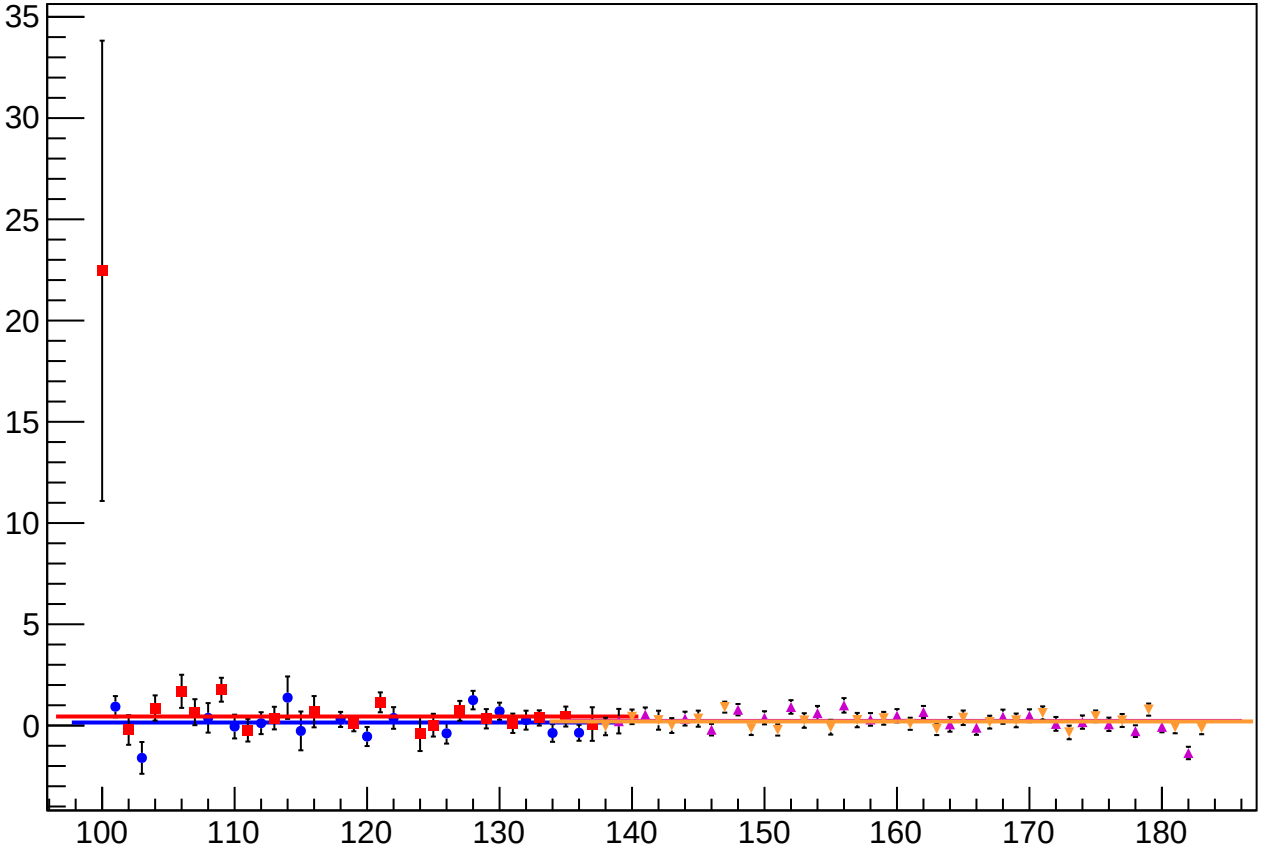
Left In: -0.074+/-0.080 χ^2/NDF:28.3/21

+ sign -0.261+/-0.065 χ^2/NDF: 74.3/39

All: -0.246+/-0.047 χ^2/NDF: 226.6/80

- sign -0.231+/-0.067 χ^2/NDF: 152.2/40

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.201+/-0.067 χ^2/NDF:24.9/23

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

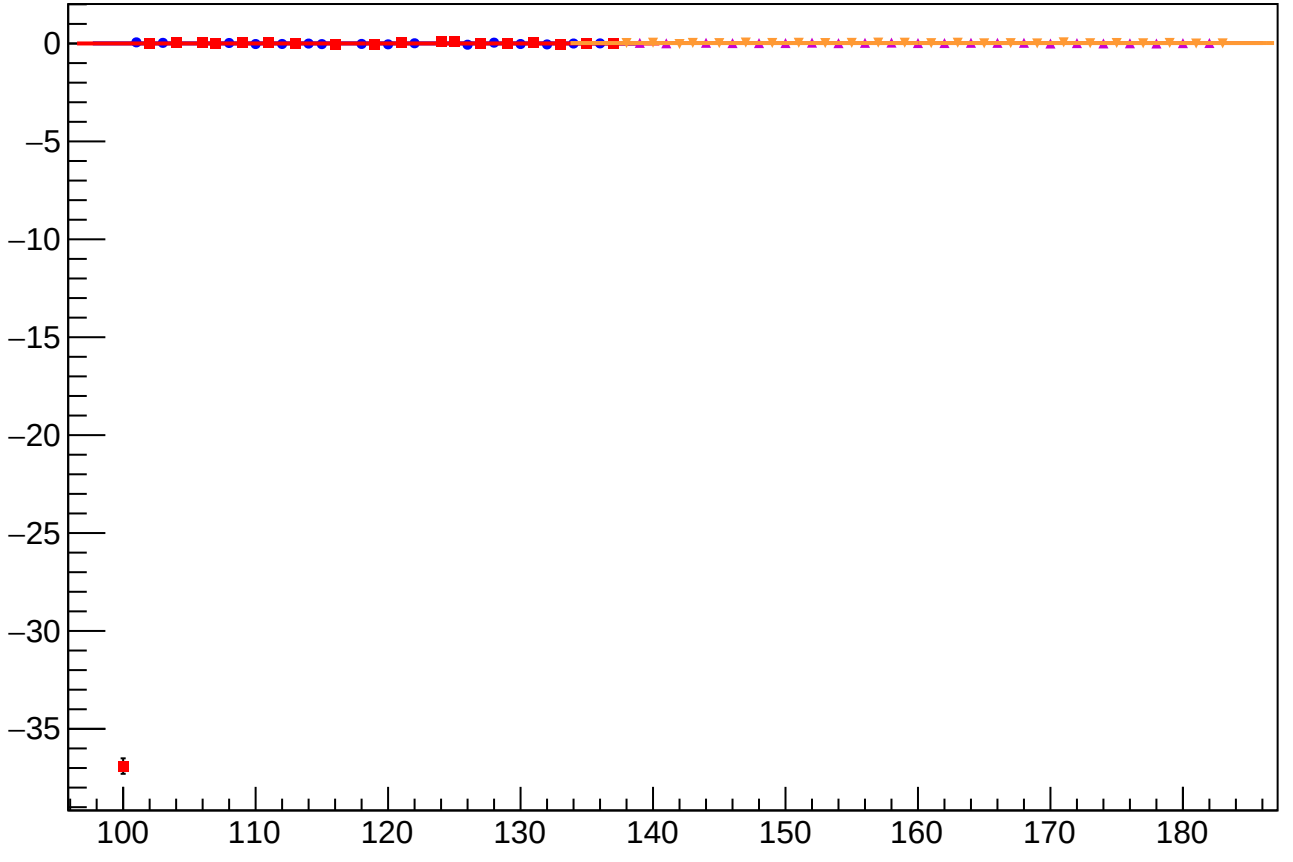
Left In: 0.227+/-0.070 χ^2/NDF:53.5/21

+ sign 0.189+/-0.060 χ^2/NDF: 48.3/39

All: 0.232+/-0.043 χ^2/NDF: 124.8/80

- sign 0.277+/-0.061 χ^2/NDF: 75.4/40

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.024+/-0.003 χ^2/NDF:29.6/23

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

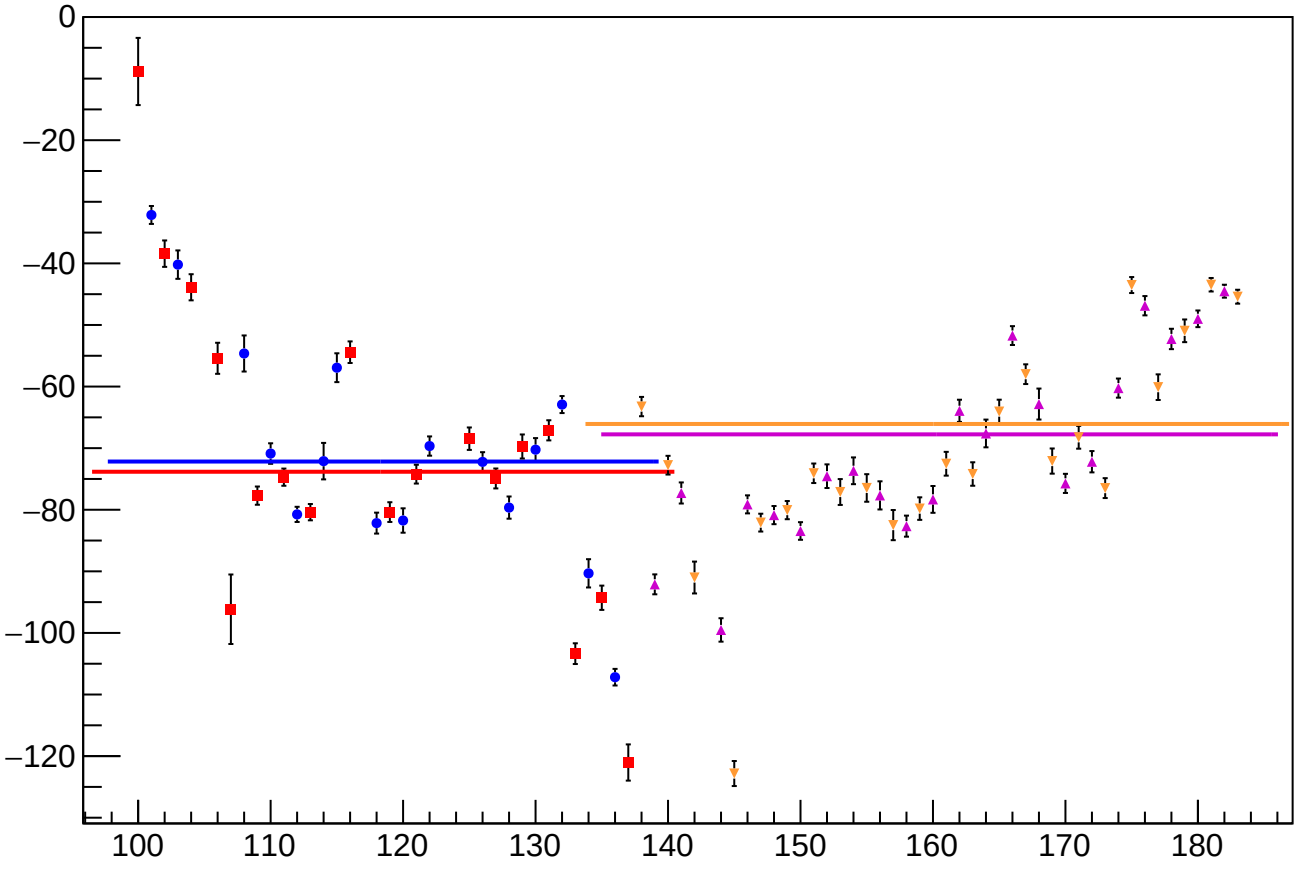
Left In: 0.025+/-0.003 χ^2/NDF:17.1/21

\+ sign 0.021+/-0.003 χ^2/NDF: 52.0/39

All: 0.021+/-0.002 χ^2/NDF: 8830.1/80

\- sign 0.021+/-0.003 χ^2/NDF: 8778.1/40

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -66.073+/-0.347 χ^2/NDF:2528.9/22

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

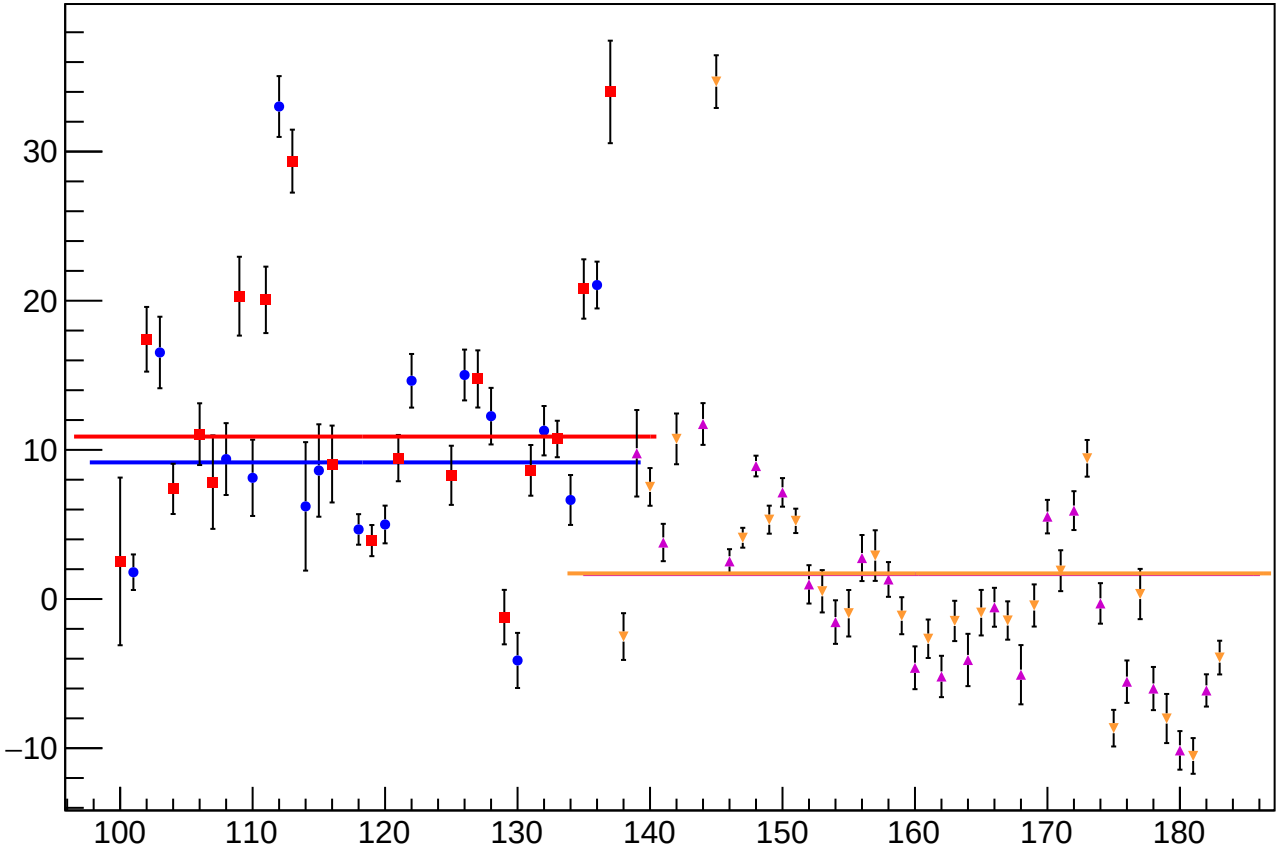
Left In: -67.760+/-0.351 χ^2/NDF:2056.3/21

+ sign -68.465+/-0.270 χ^2/NDF: 4586.1/38

All: -69.319+/-0.192 χ^2/NDF: 8339.6/78

- sign -70.182+/-0.272 χ^2/NDF: 3733.4/39

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 1.717+/-0.256 χ^2/NDF:764.2/22

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

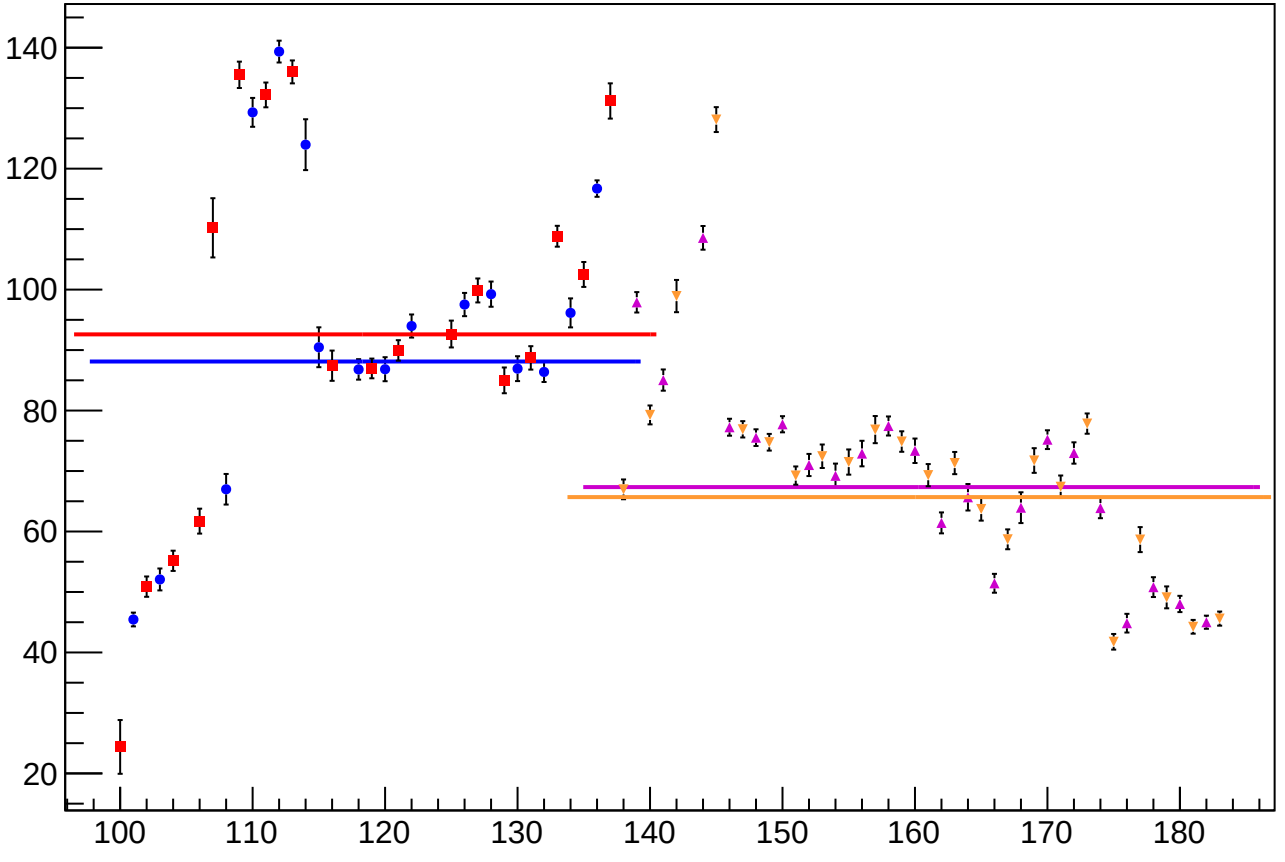
Left In: 1.672+/-0.261 χ^2/NDF:493.3/21

+ sign 3.701+/-0.219 χ^2/NDF: 1341.2/38

All: 3.881+/-0.157 χ^2/NDF: 2450.8/78

- sign 4.071+/-0.224 χ^2/NDF: 1108.2/39

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 65.689+/-0.343 χ^2/NDF:2527.7/22

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

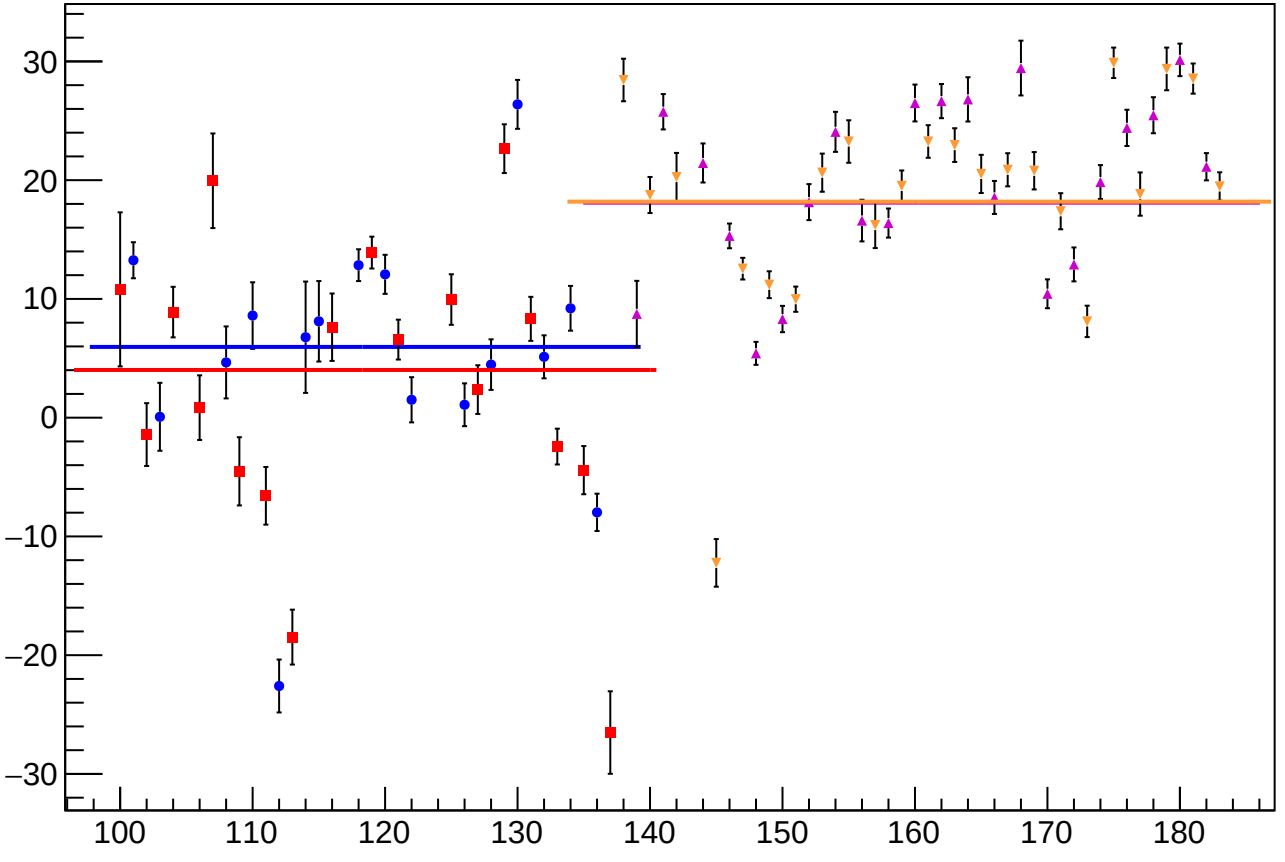
Left In: 67.345+/-0.346 χ^2/NDF:2180.3/21

+ sign 73.522+/-0.277 χ^2/NDF: 7578.8/38

All: 74.700+/-0.197 χ^2/NDF: 14811.2/78

- sign 75.917+/-0.281 χ^2/NDF: 7195.6/39

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 18.192+/-0.294 χ^2/NDF:694.2/22

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

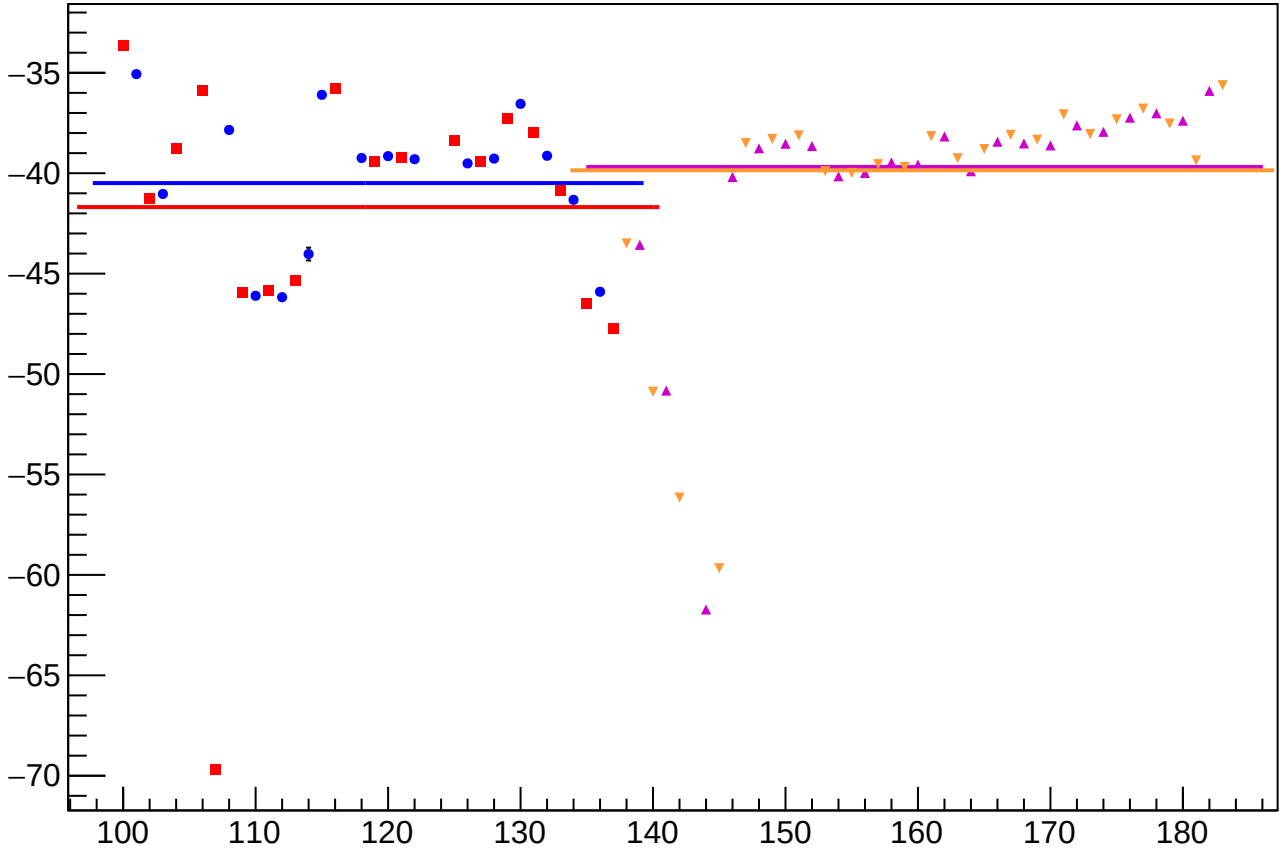
Left In: 18.106+/-0.298 χ^2/NDF:604.7/21

+ sign 14.994+/-0.253 χ^2/NDF: 1572.7/38

All: 14.757+/-0.180 χ^2/NDF: 3166.2/78

- sign 14.511+/-0.257 χ^2/NDF: 1591.7/39

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -39.854+/-0.014 χ^2/NDF:127953.8/22

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

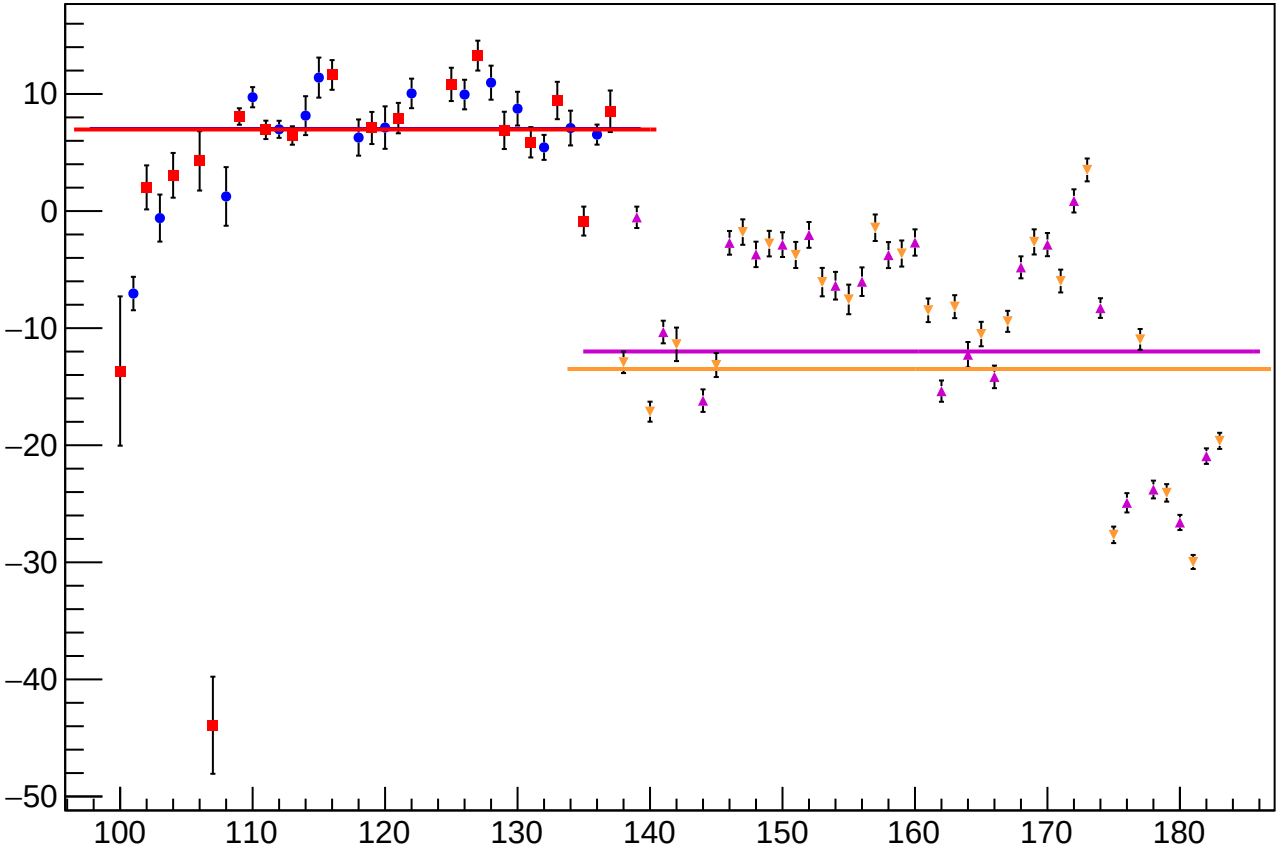
Left In: -39.689+/-0.014 χ^2/NDF:105163.2/21

+ sign -39.974+/-0.012 χ^2/NDF: 146489.6/38

All: -40.008+/-0.009 χ^2/NDF: 292342.8/78

- sign -40.041+/-0.012 χ^2/NDF: 145838.2/39

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -13.486+/-0.194 χ^2/NDF:2556.1/22

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

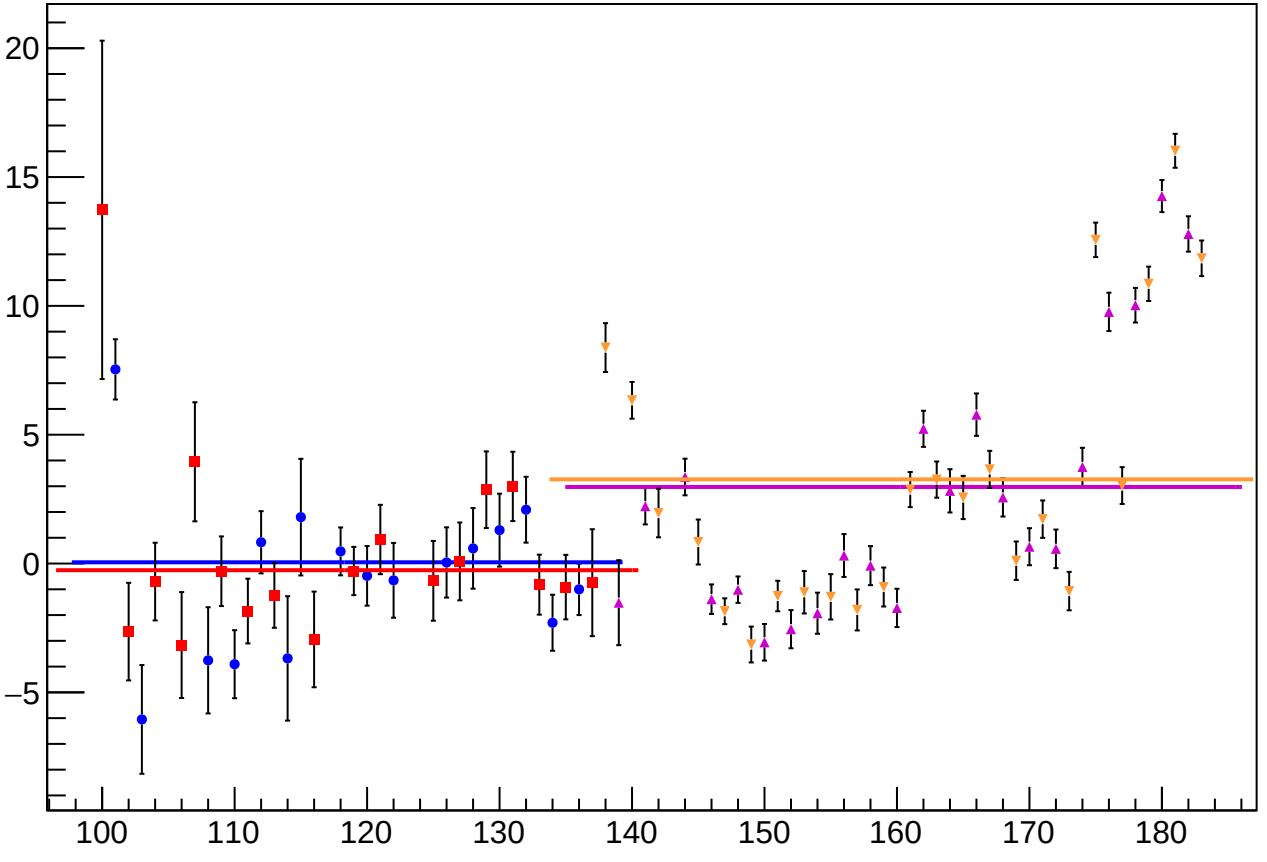
Left In: -11.993+/-0.198 χ^2/NDF:2176.4/21

+ sign -7.684+/-0.165 χ^2/NDF: 5861.9/38

All: -6.937+/-0.117 χ^2/NDF: 11150.4/78

- sign -6.186+/-0.165 χ^2/NDF: 5247.1/39

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 3.267+/-0.150 χ^2/NDF:1340.6/22

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

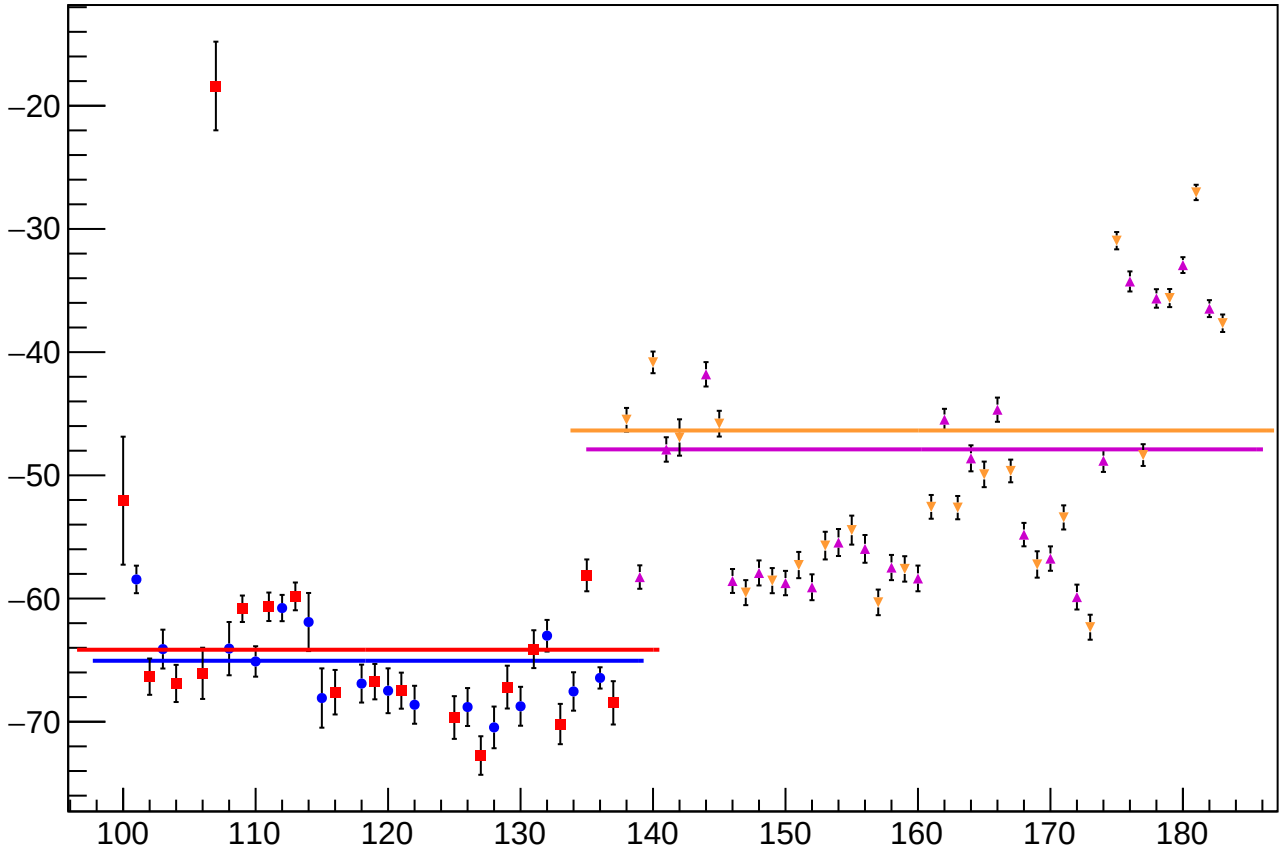
Left In: 2.972+/-0.153 χ^2/NDF:1128.3/21

+ sign 2.719+/-0.137 χ^2/NDF: 1493.8/38

All: 2.582+/-0.098 χ^2/NDF: 2725.1/78

- sign 2.437+/-0.140 χ^2/NDF: 1229.3/39

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -46.358+/-0.193 χ^2/NDF:3198.8/22

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

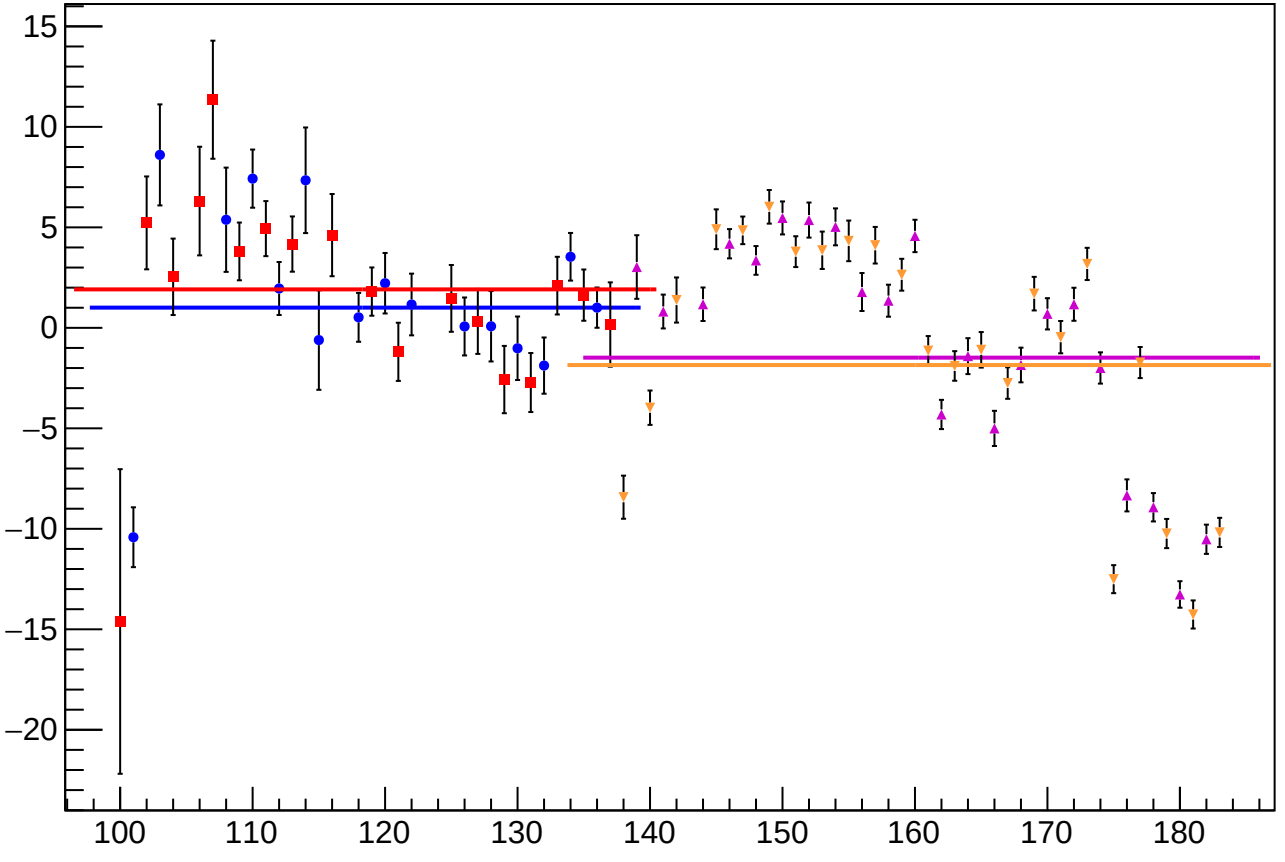
Left In: -47.892+/-0.196 χ^2/NDF:2554.1/21

+ sign -50.640+/-0.169 χ^2/NDF: 5441.3/38

All: -51.117+/-0.121 χ^2/NDF: 9885.5/78

- sign -51.611+/-0.172 χ^2/NDF: 4428.1/39

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -1.852+/-0.169 χ^2/NDF:1363.5/22

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

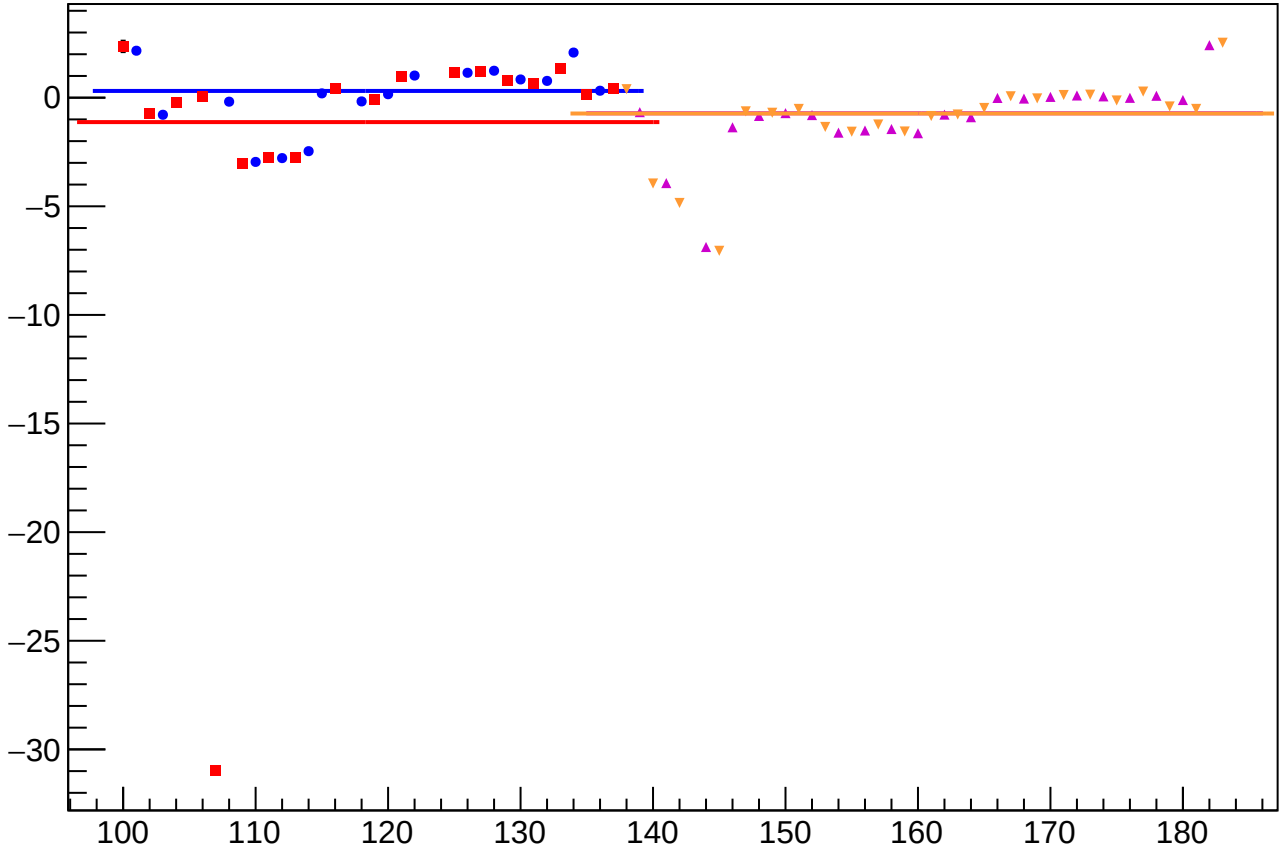
Left In: -1.483+/-0.172 χ^2/NDF:1105.7/21

+ sign -1.370+/-0.154 χ^2/NDF: 1520.8/38

All: -1.154+/-0.110 χ^2/NDF: 2748.6/78

- sign -0.927+/-0.158 χ^2/NDF: 1223.7/39

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.729+/-0.008 χ^2/NDF:51643.6/22

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

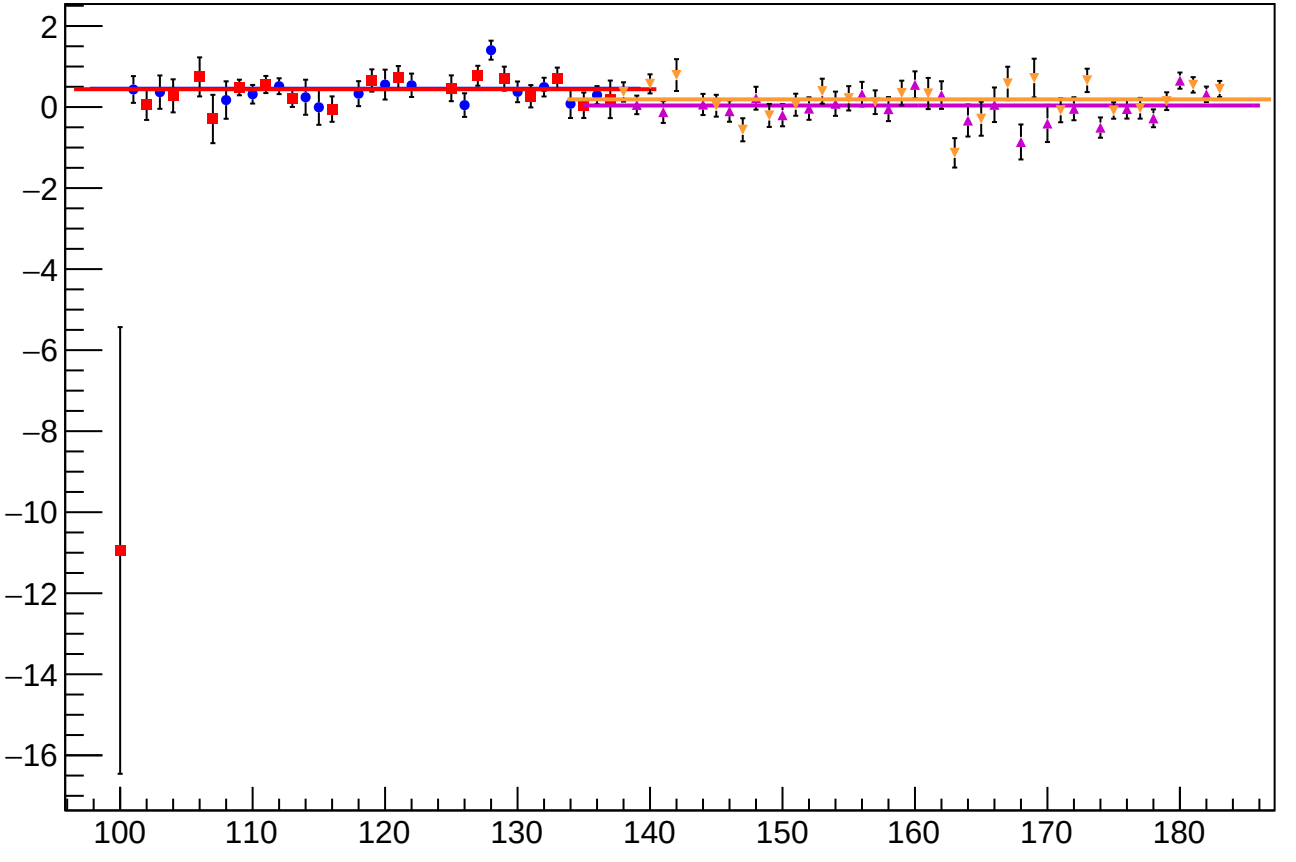
Left In: -0.718+/-0.008 χ^2/NDF:41244.2/21

+ sign -0.610+/-0.007 χ^2/NDF: 58646.6/38

All: -0.684+/-0.005 χ^2/NDF: 146759.6/78

- sign -0.761+/-0.007 χ^2/NDF: 87890.5/39

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.190+/-0.057 χ^2/NDF:43.9/22

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

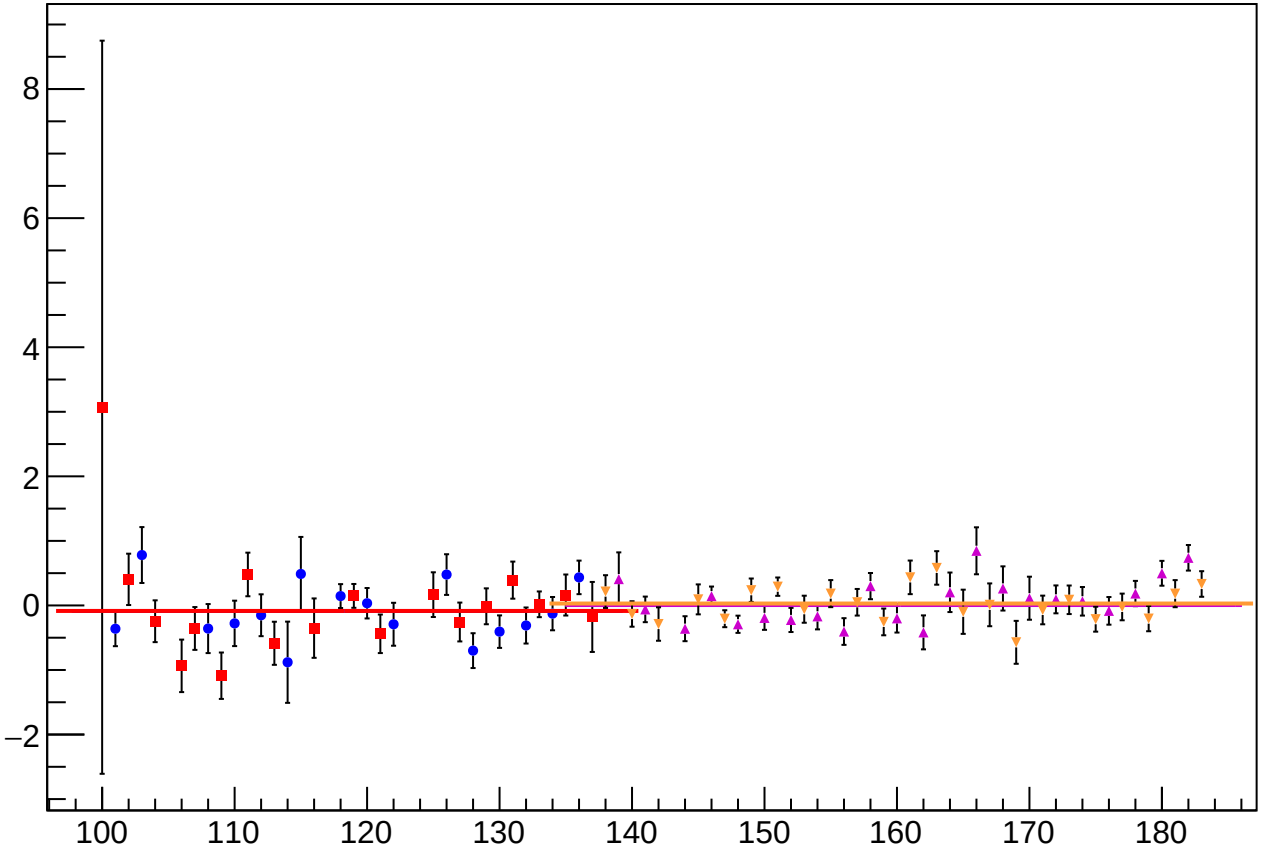
Left In: 0.038+/-0.058 χ^2/NDF:30.5/21

+ sign 0.293+/-0.045 χ^2/NDF: 74.8/38

All: 0.249+/-0.032 χ^2/NDF: 145.3/78

- sign 0.204+/-0.045 χ^2/NDF: 68.6/39

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.029+/-0.044 χ^2/NDF:29.8/22

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

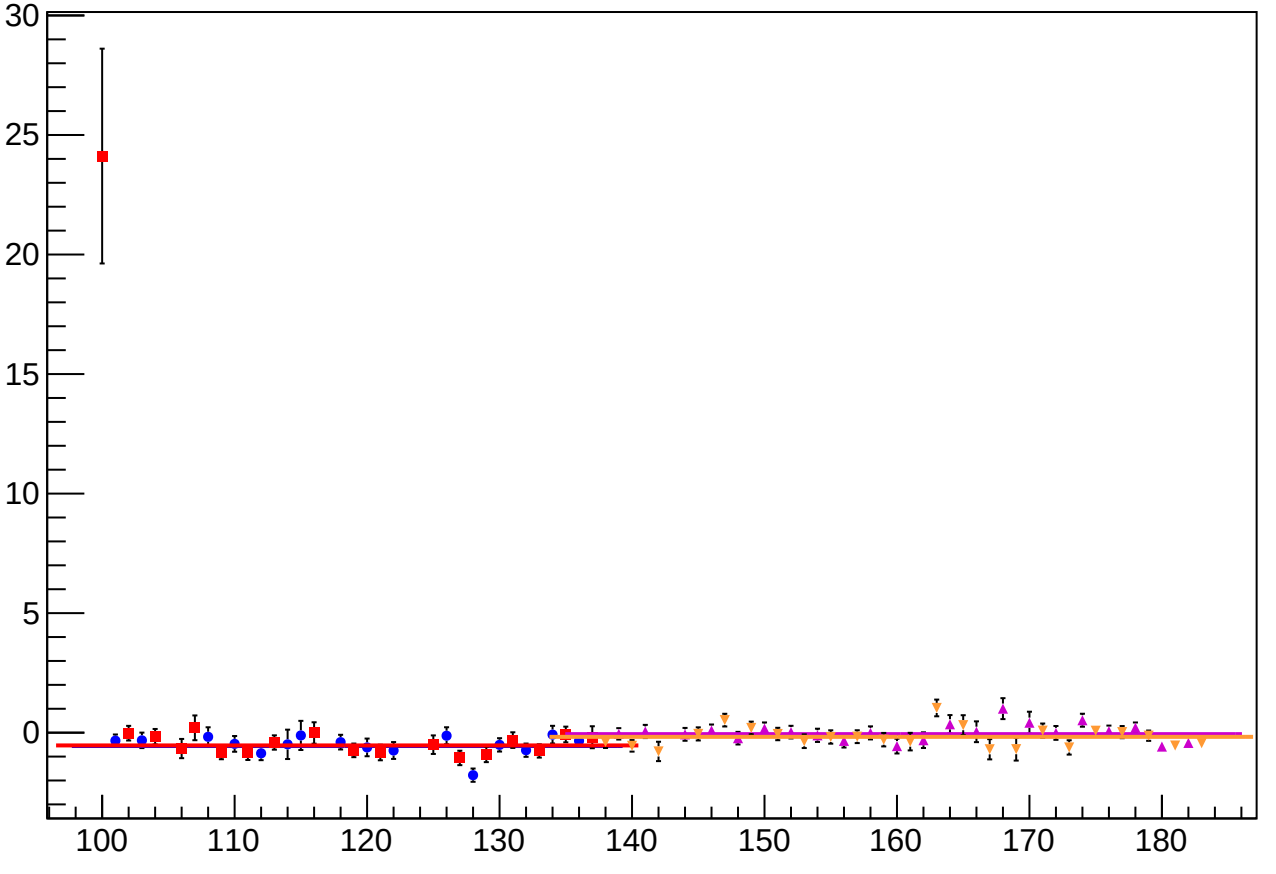
Left In: 0.006+/-0.045 χ^2/NDF:51.3/21

+ sign -0.001+/-0.037 χ^2/NDF: 57.1/38

All: -0.009+/-0.027 χ^2/NDF: 137.4/78

- sign -0.018+/-0.038 χ^2/NDF: 80.3/39

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.175+/-0.057 χ^2/NDF:41.9/22

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

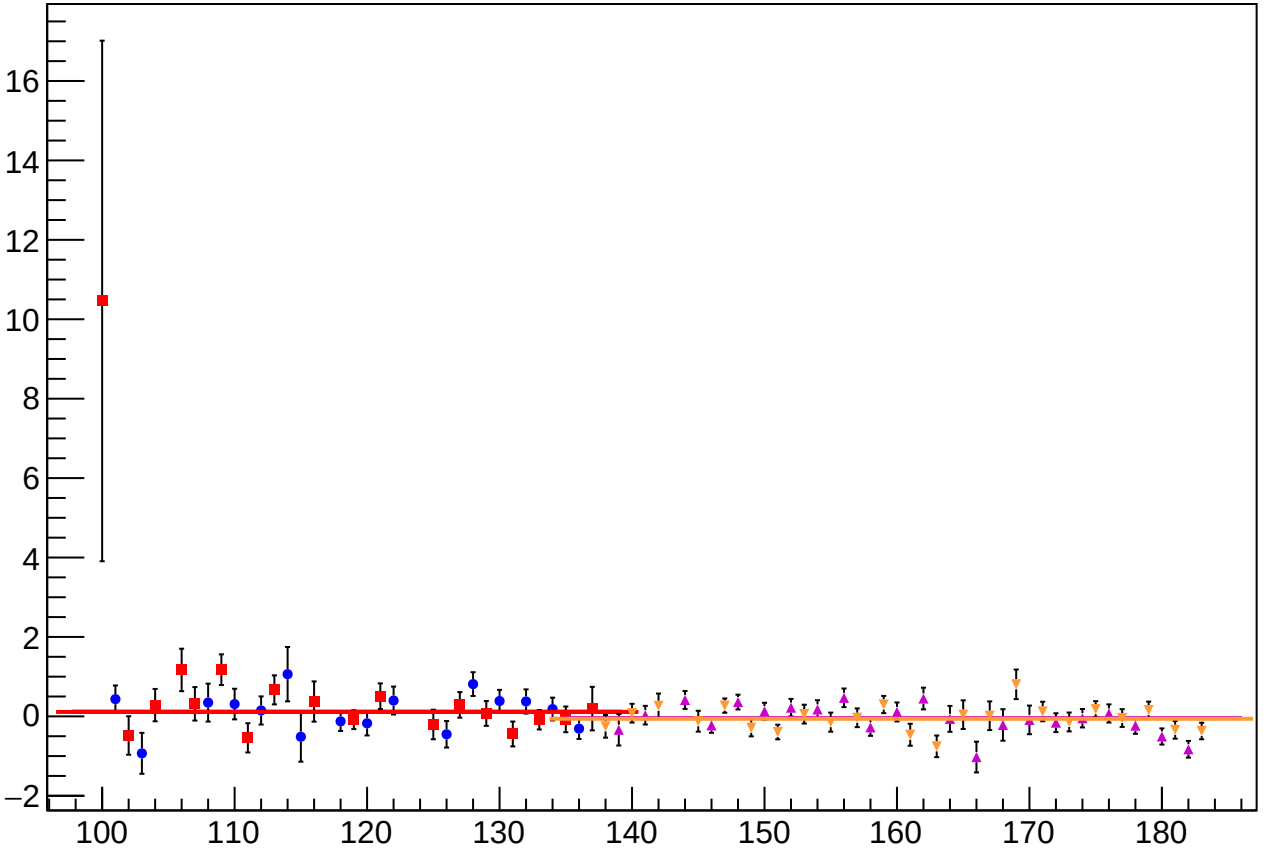
Left In: -0.061+/-0.058 χ^2/NDF:31.2/21

+ sign -0.303+/-0.046 χ^2/NDF: 85.6/38

All: -0.263+/-0.033 χ^2/NDF: 190.3/78

- sign -0.221+/-0.047 χ^2/NDF: 103.1/39

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.060+/-0.050 χ^2/NDF:33.9/22

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

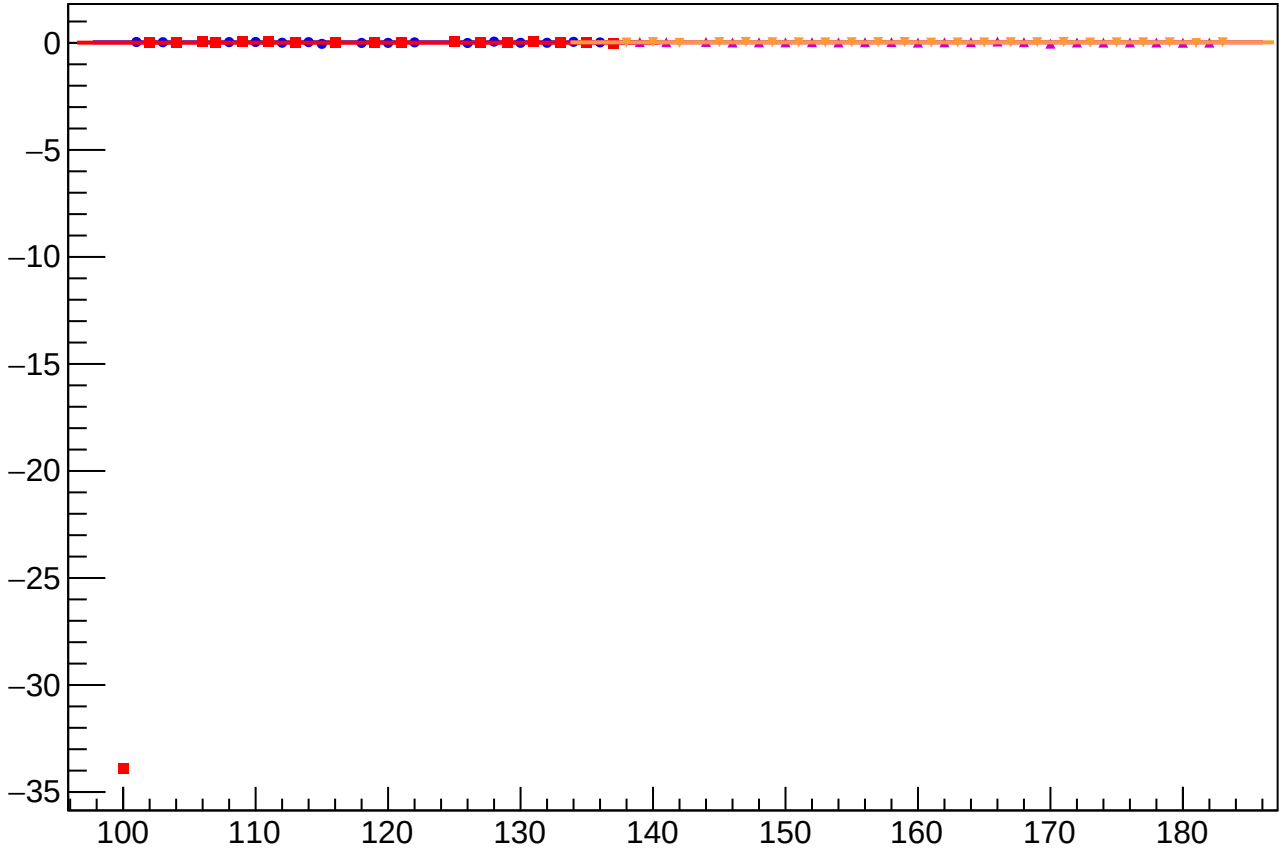
Left In: -0.043+/-0.051 χ^2/NDF:50.1/21

+ sign -0.014+/-0.043 χ^2/NDF: 60.9/38

All: -0.008+/-0.030 χ^2/NDF: 142.5/78

- sign -0.003+/-0.043 χ^2/NDF: 81.6/39

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.026+/-0.002 χ^2/NDF:28.6/22

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

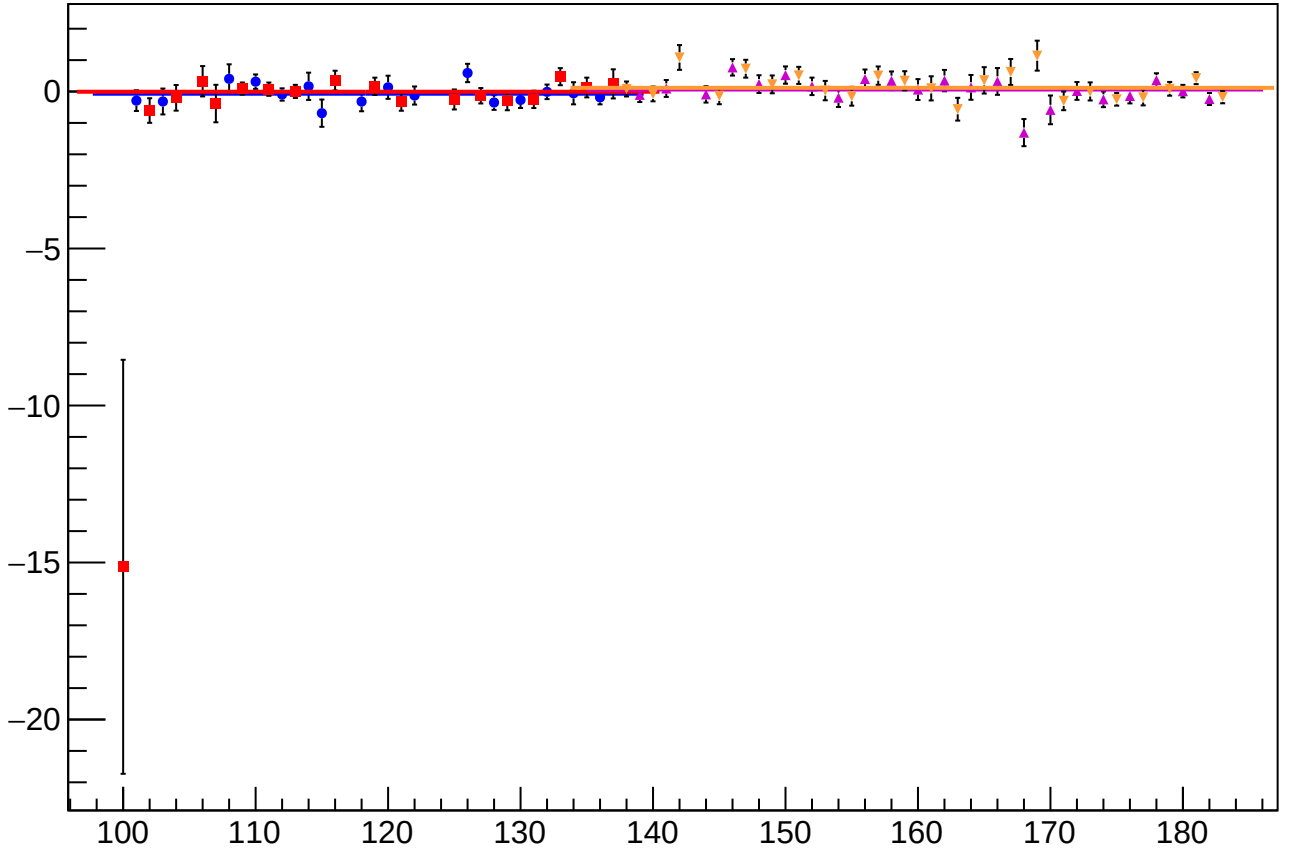
Left In: 0.026+/-0.002 χ^2/NDF:39.3/21

+ sign 0.026+/-0.002 χ^2/NDF: 43.4/38

All: 0.025+/-0.001 χ^2/NDF: 22352.7/78

- sign 0.024+/-0.002 χ^2/NDF: 22308.8/39

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.117+/-0.057 χ^2/NDF:39.2/22

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

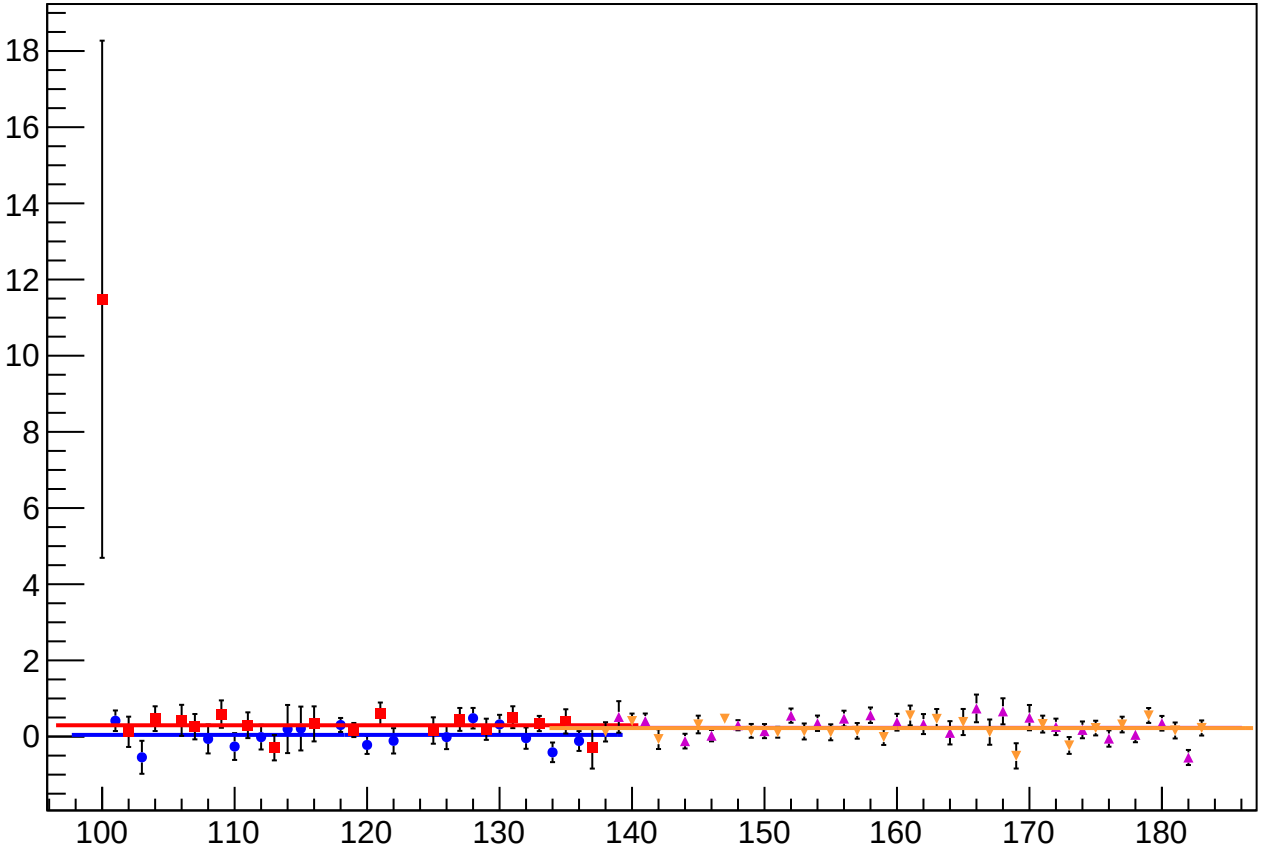
Left In: 0.063+/-0.058 χ^2/NDF:34.2/21

+ sign 0.044+/-0.045 χ^2/NDF: 59.0/38

All: 0.039+/-0.032 χ^2/NDF: 112.0/78

- sign 0.034+/-0.045 χ^2/NDF: 53.0/39

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.223+/-0.044 χ^2/NDF:23.8/22

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

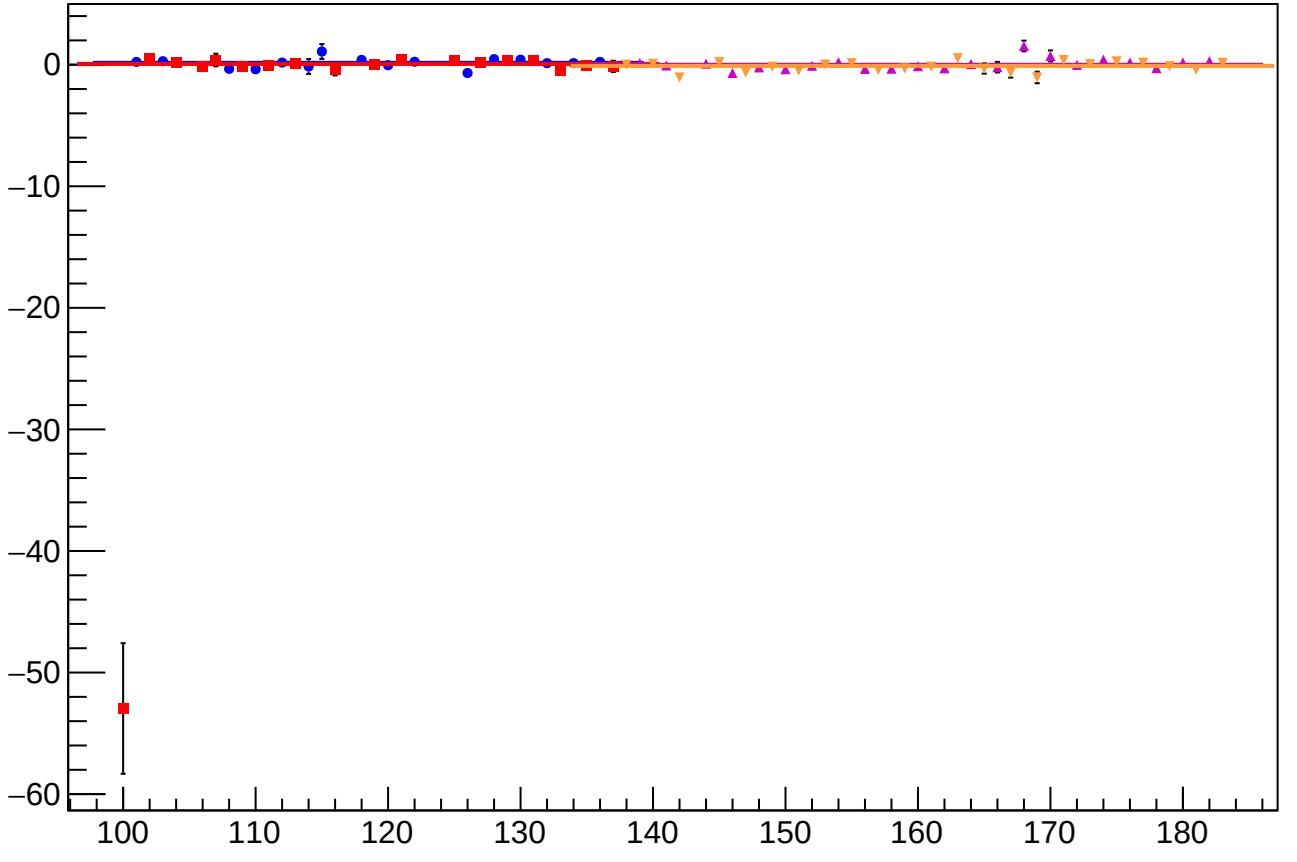
Left In: 0.228+/-0.045 χ^2/NDF:37.8/21

+ sign 0.176+/-0.037 χ^2/NDF: 44.0/38

All: 0.210+/-0.027 χ^2/NDF: 95.2/78

- sign 0.247+/-0.038 χ^2/NDF: 49.4/39

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.100+/-0.057 χ^2/NDF:37.1/22

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

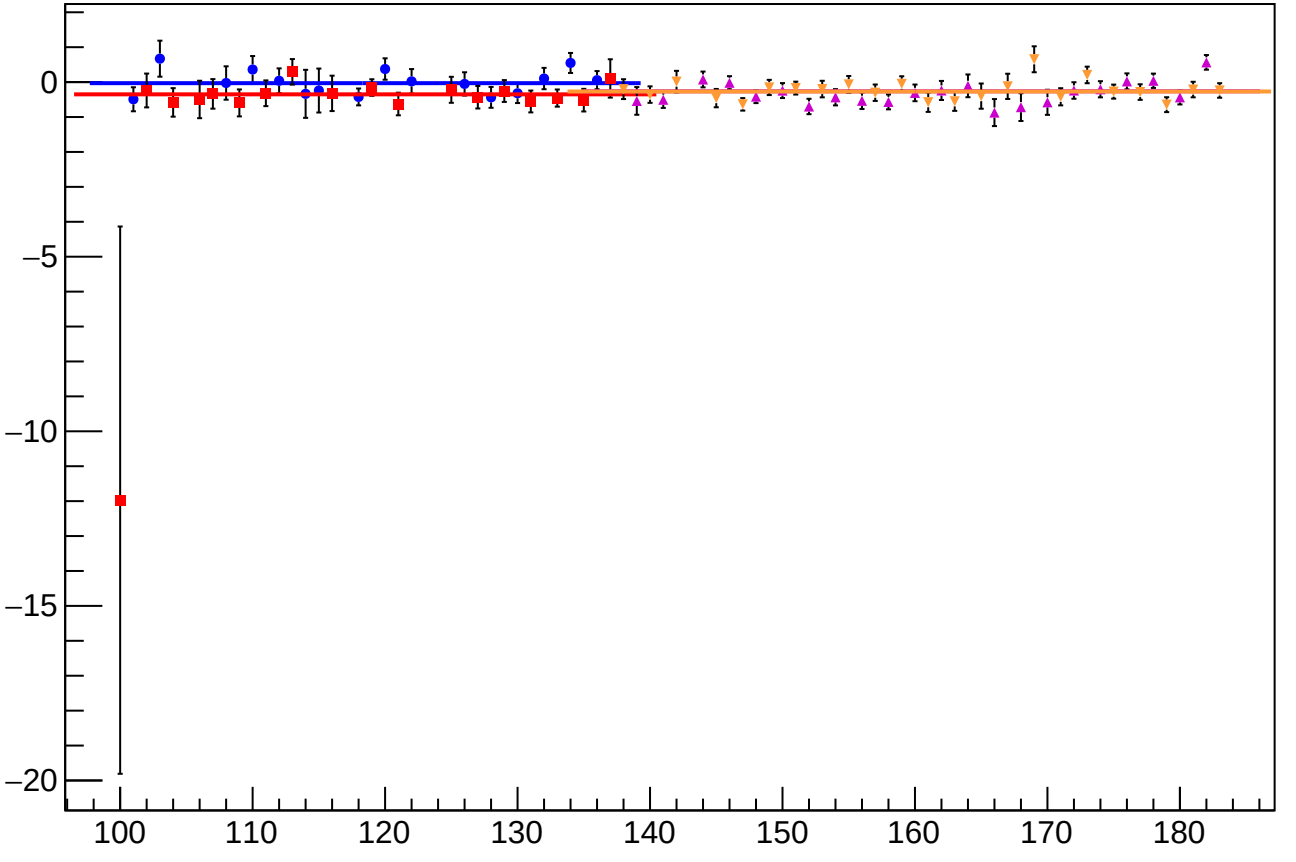
Left In: -0.007+/-0.058 χ^2/NDF:37.9/21

+ sign -0.015+/-0.046 χ^2/NDF: 59.4/38

All: 0.001+/-0.033 χ^2/NDF: 207.4/78

- sign 0.018+/-0.047 χ^2/NDF: 147.7/39

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.269+/-0.050 χ^2/NDF:24.5/22

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

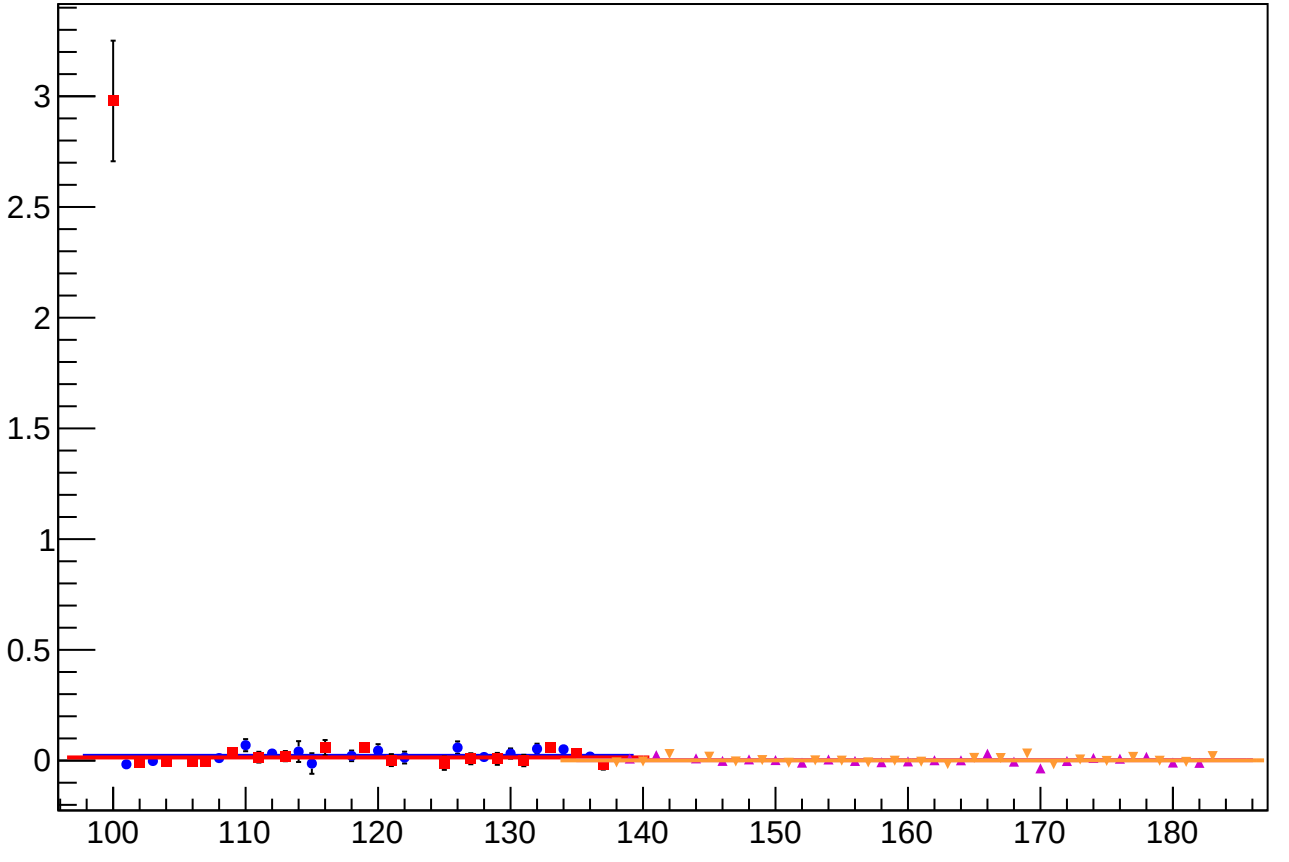
Left In: -0.263+/-0.051 χ^2/NDF:38.9/21

+ sign -0.207+/-0.043 χ^2/NDF: 47.3/38

All: -0.246+/-0.030 χ^2/NDF: 98.1/78

- sign -0.286+/-0.043 χ^2/NDF: 49.1/39

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.001+/-0.002 χ^2/NDF:26.3/22

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

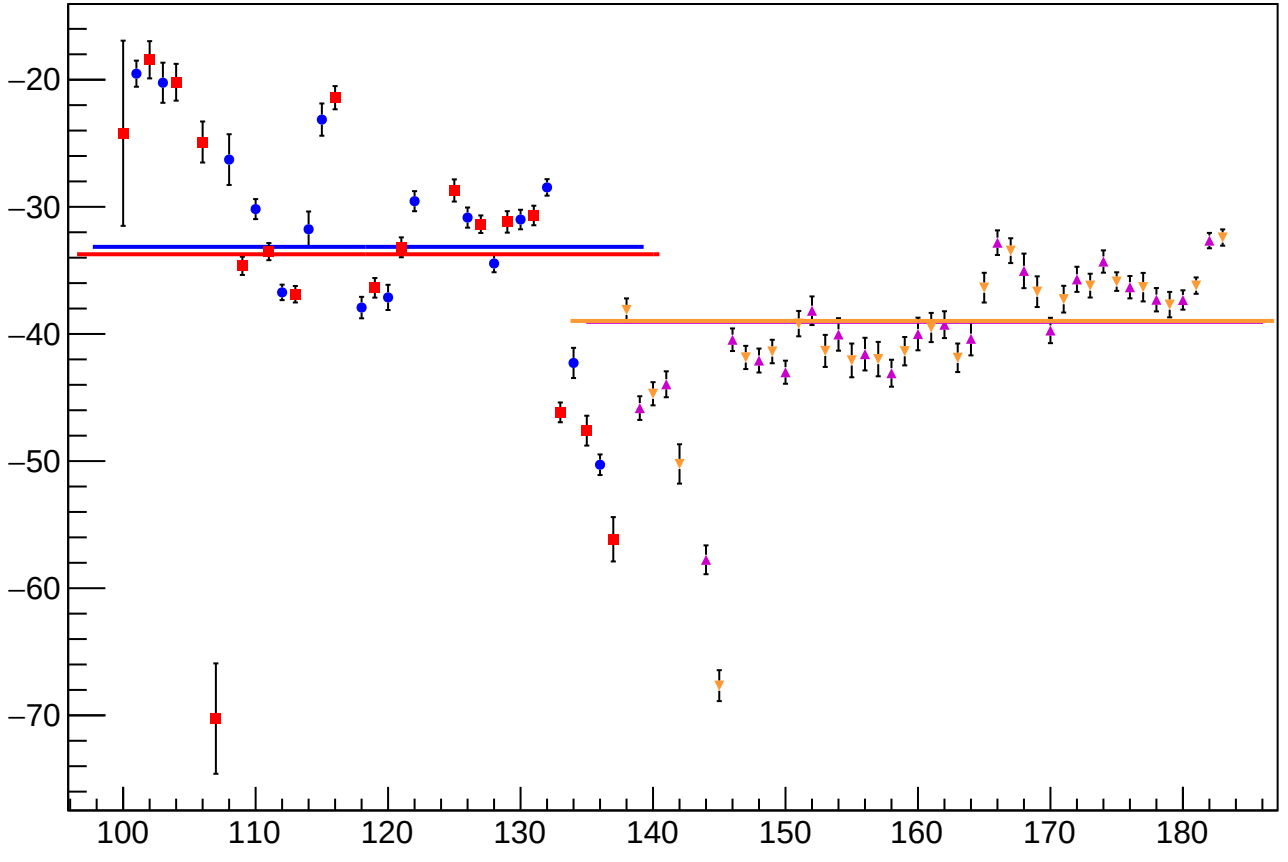
Left In: 0.002+/-0.002 χ^2/NDF:23.8/21

+ sign 0.005+/-0.002 χ^2/NDF: 63.4/38

All: 0.004+/-0.001 χ^2/NDF: 233.0/78

- sign 0.004+/-0.002 χ^2/NDF: 169.7/39

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -38.975+/-0.204 χ^2/NDF:891.3/22

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

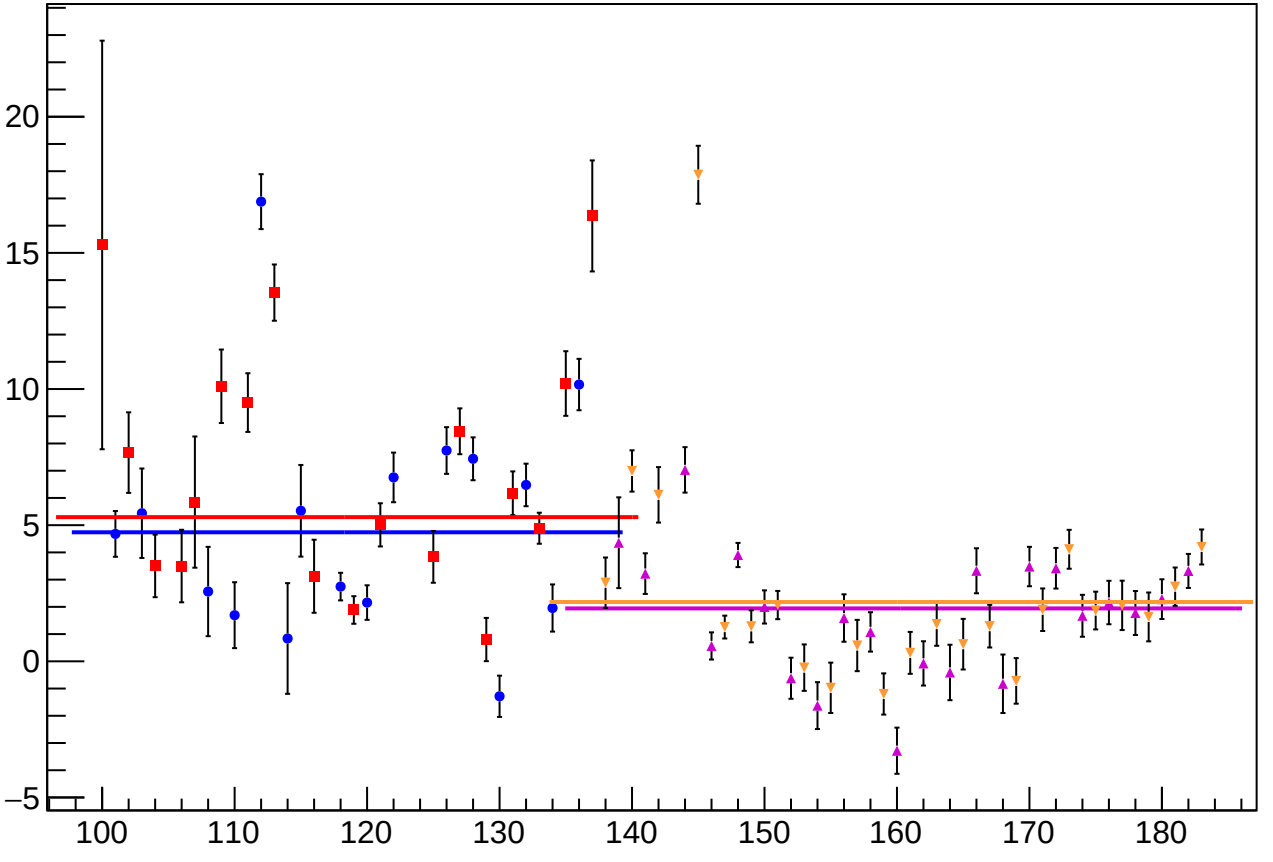
Left In: -39.047+/-0.207 χ^2/NDF:623.0/21

+ sign -36.253+/-0.149 χ^2/NDF: 2286.0/38

All: -36.371+/-0.105 χ^2/NDF: 4376.4/78

- sign -36.489+/-0.149 χ^2/NDF: 2089.1/39

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.179+/-0.153 χ^2/NDF:364.4/22

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

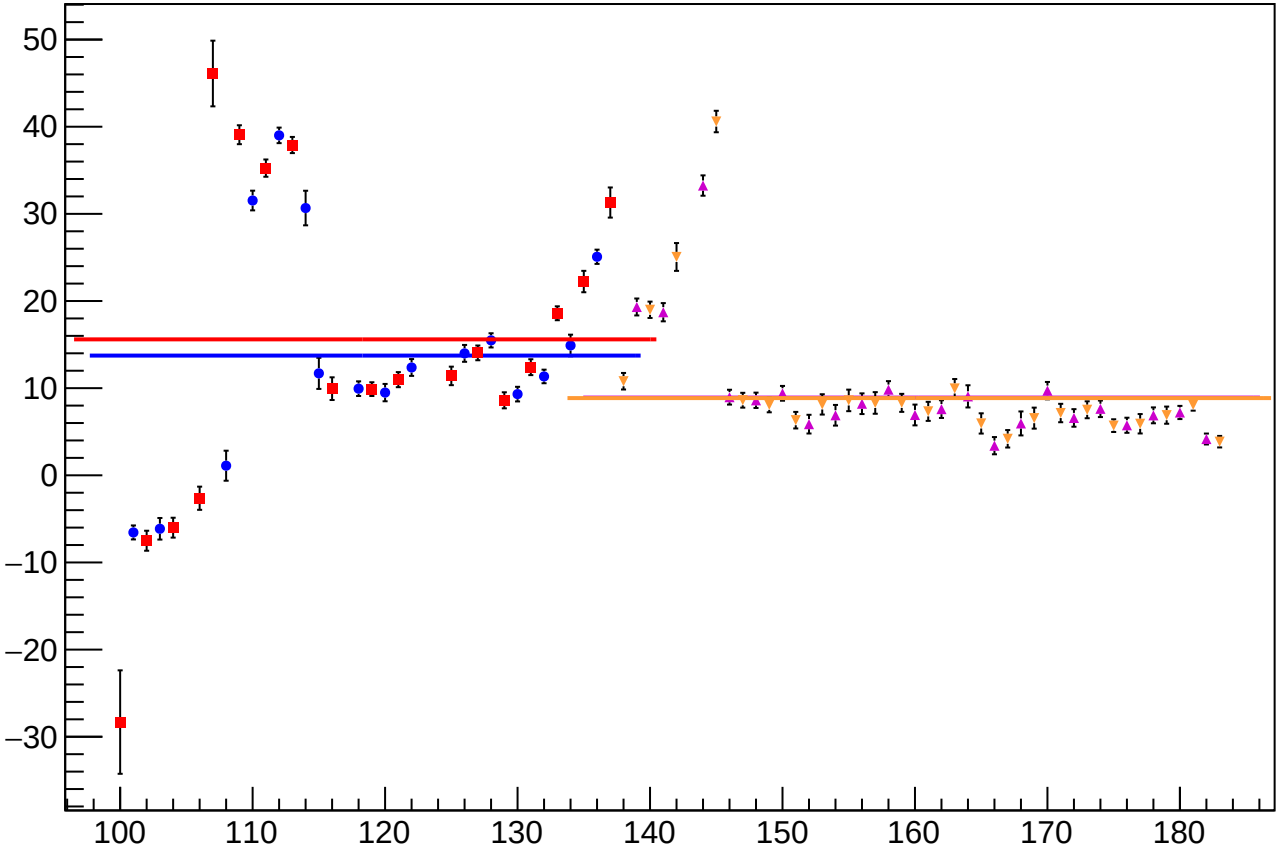
Left In: 1.942+/-0.156 χ^2/NDF:172.4/21

+ sign 3.020+/-0.126 χ^2/NDF: 785.5/38

All: 3.033+/-0.090 χ^2/NDF: 1354.1/78

- sign 3.046+/-0.128 χ^2/NDF: 568.6/39

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 8.860+/-0.202 χ^2/NDF:1023.5/22

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

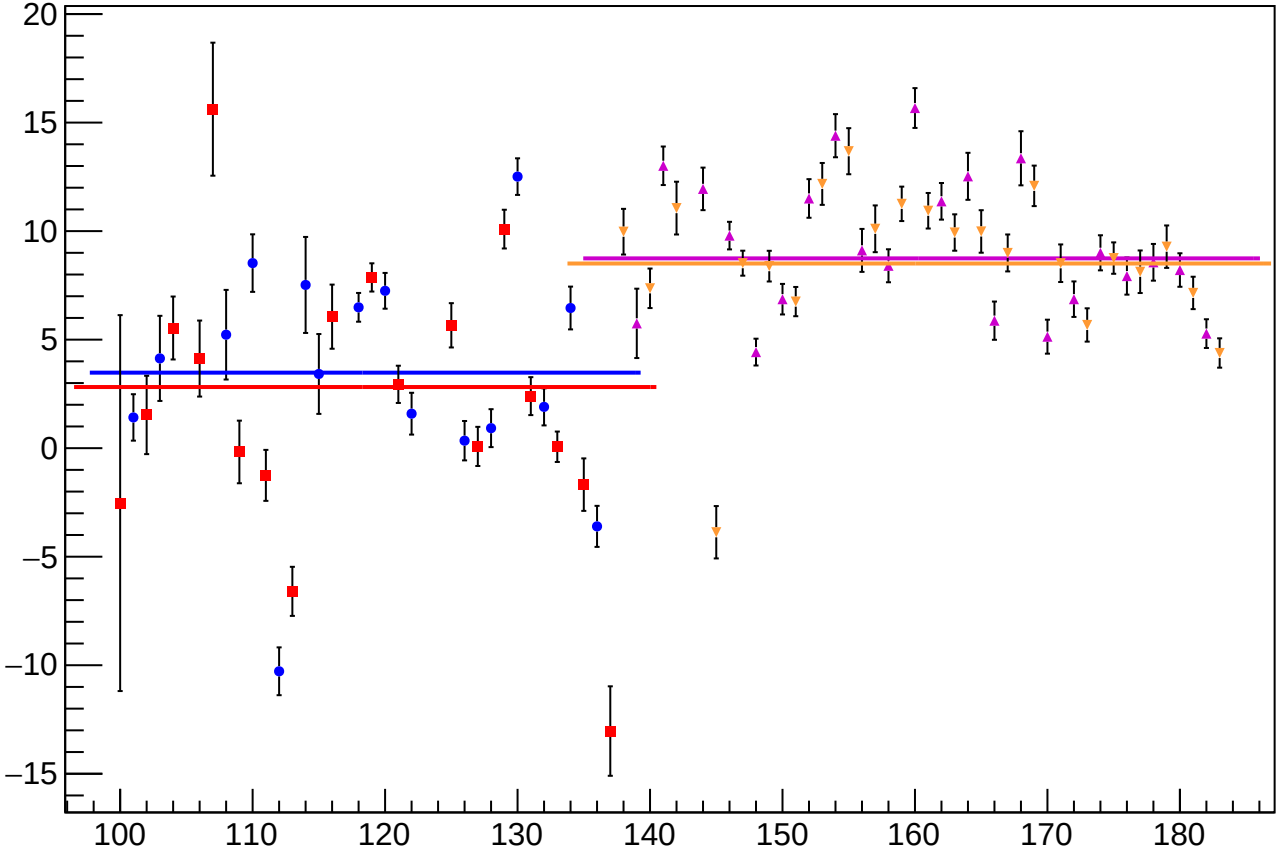
Left In: 8.919+/-0.205 χ^2/NDF:778.7/21

\+ sign 10.822+/-0.156 χ^2/NDF: 3607.0/38

All: 11.206+/-0.111 χ^2/NDF: 7651.5/78

\- sign 11.599+/-0.158 χ^2/NDF: 4032.3/39

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.507+/-0.175 χ^2/NDF:256.5/22

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

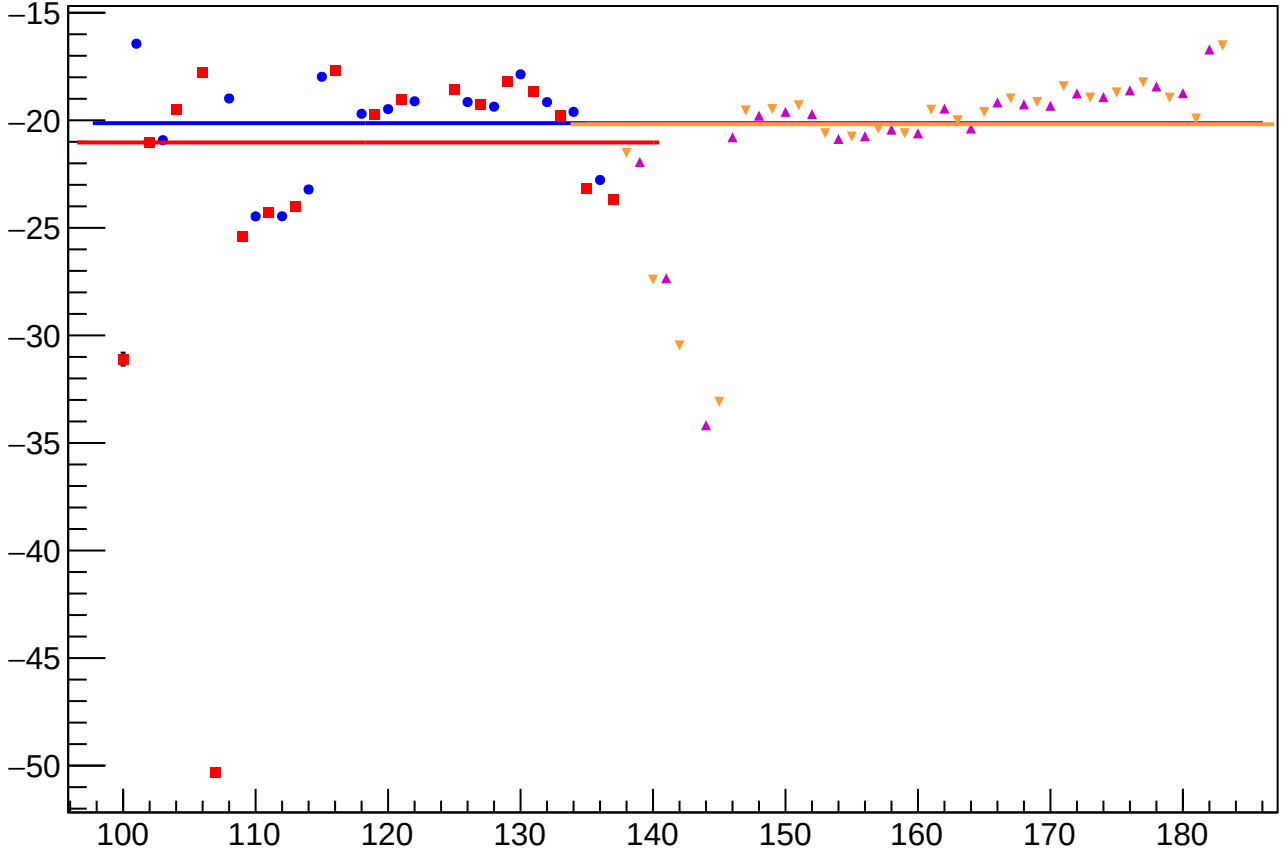
Left In: 8.744+/-0.178 χ^2/NDF:297.1/21

+ sign 6.884+/-0.144 χ^2/NDF: 950.2/38

All: 6.856+/-0.103 χ^2/NDF: 1951.8/78

- sign 6.827+/-0.146 χ^2/NDF: 1001.5/39

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.184+/-0.008 χ^2/NDF:154389.9/22

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

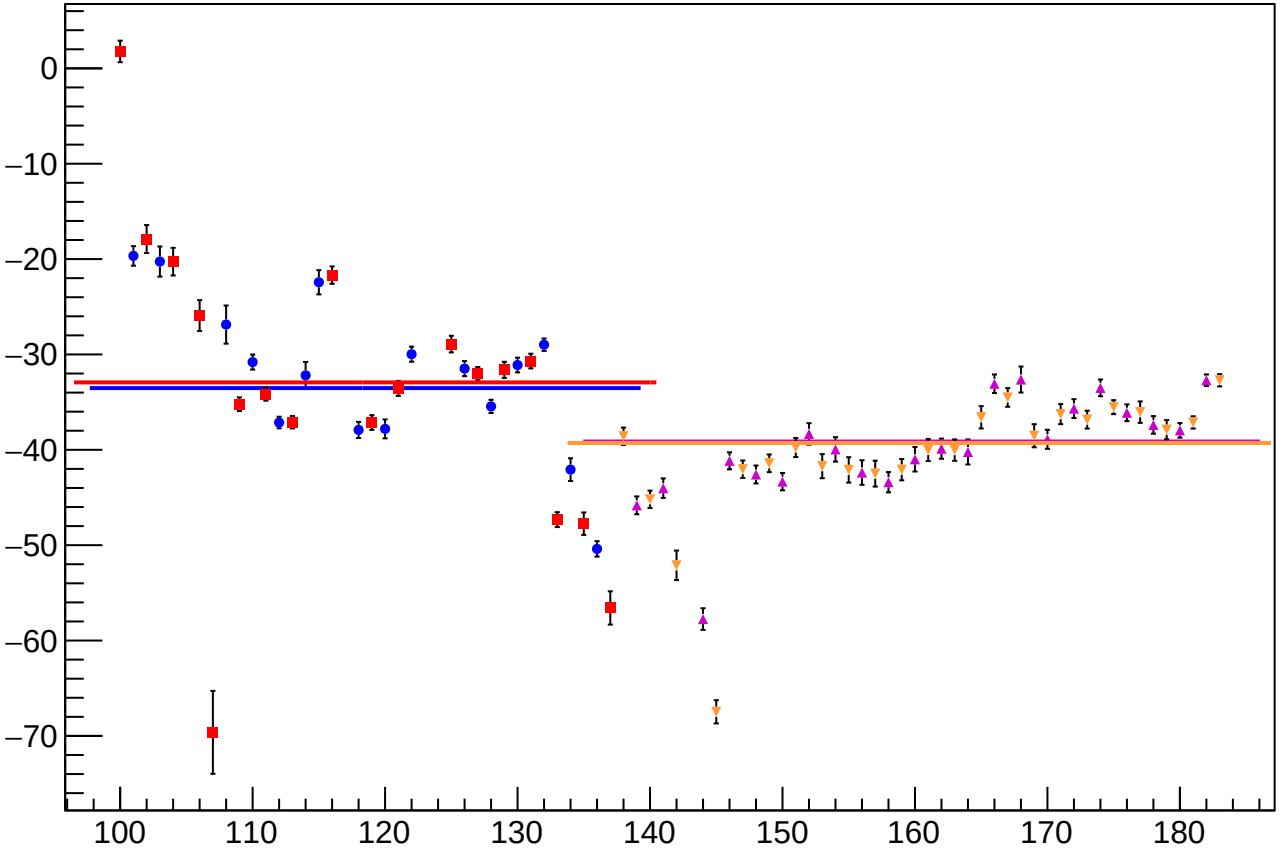
Left In: -20.126+/-0.008 χ^2/NDF:127683.0/21

+ sign -20.173+/-0.007 χ^2/NDF: 174229.1/38

All: -20.236+/-0.005 χ^2/NDF: 362032.1/78

- sign -20.299+/-0.007 χ^2/NDF: 187650.1/39

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -39.283+/-0.205 χ^2/NDF:876.9/22

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

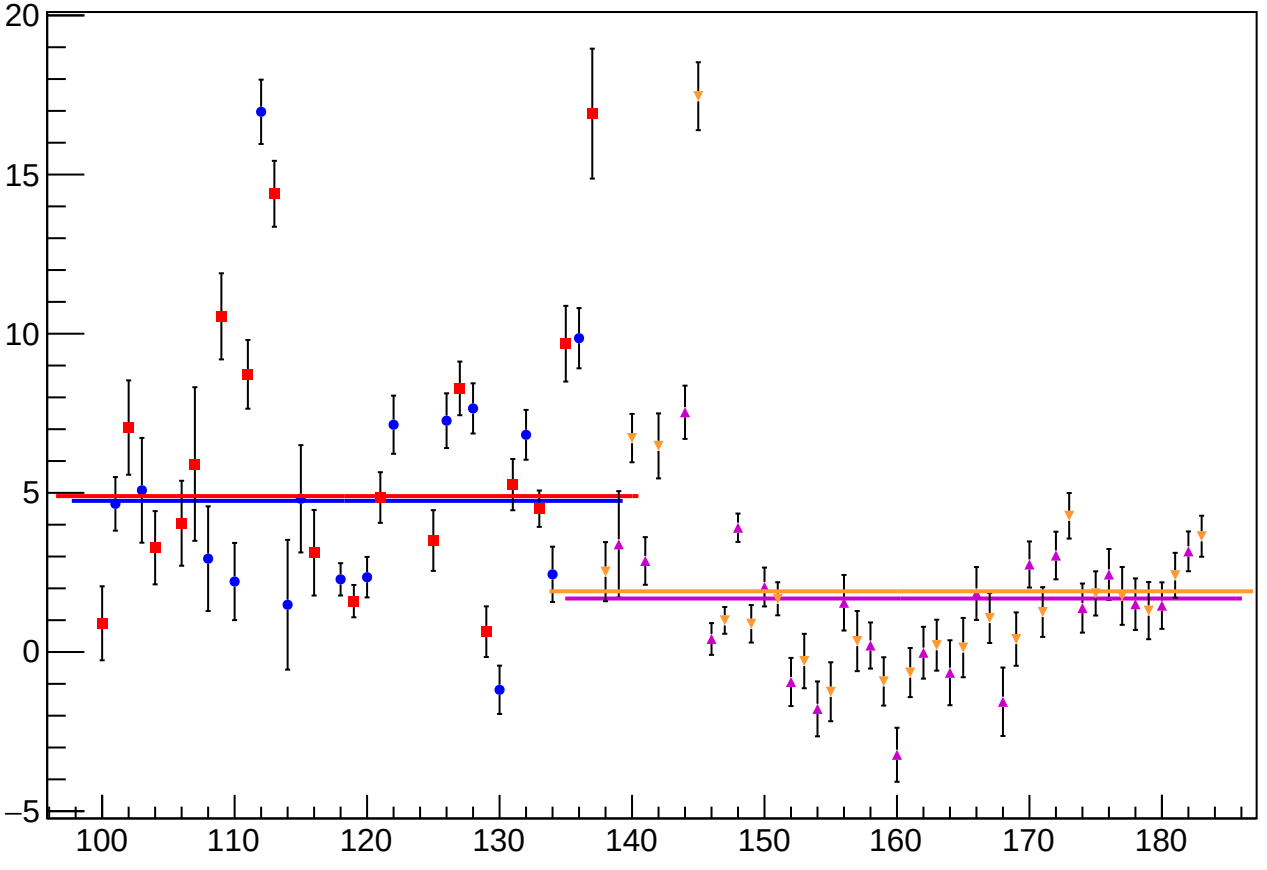
Left In: -39.130+/-0.207 χ^2/NDF:654.5/21

+ sign -36.595+/-0.149 χ^2/NDF: 2255.5/38

All: -36.342+/-0.105 χ^2/NDF: 5523.7/78

- sign -36.094+/-0.148 χ^2/NDF: 3262.5/39

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.908+/-0.154 χ^2/NDF:359.3/22

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

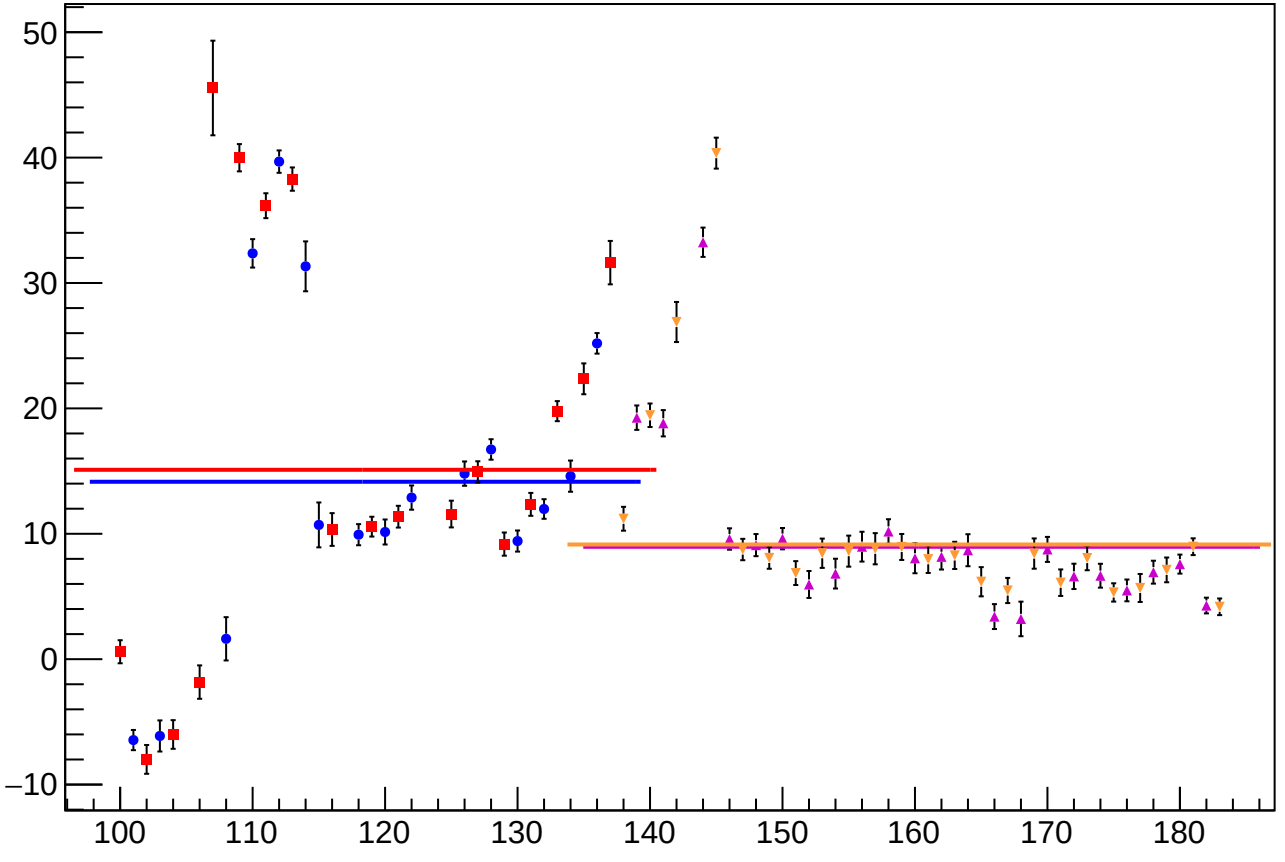
Left In: 1.681+/-0.157 χ^2/NDF:181.1/21

+ sign 2.841+/-0.126 χ^2/NDF: 797.3/38

All: 2.803+/-0.090 χ^2/NDF: 1393.6/78

- sign 2.764+/-0.128 χ^2/NDF: 596.2/39

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.145+/-0.203 χ^2/NDF:1024.1/22

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

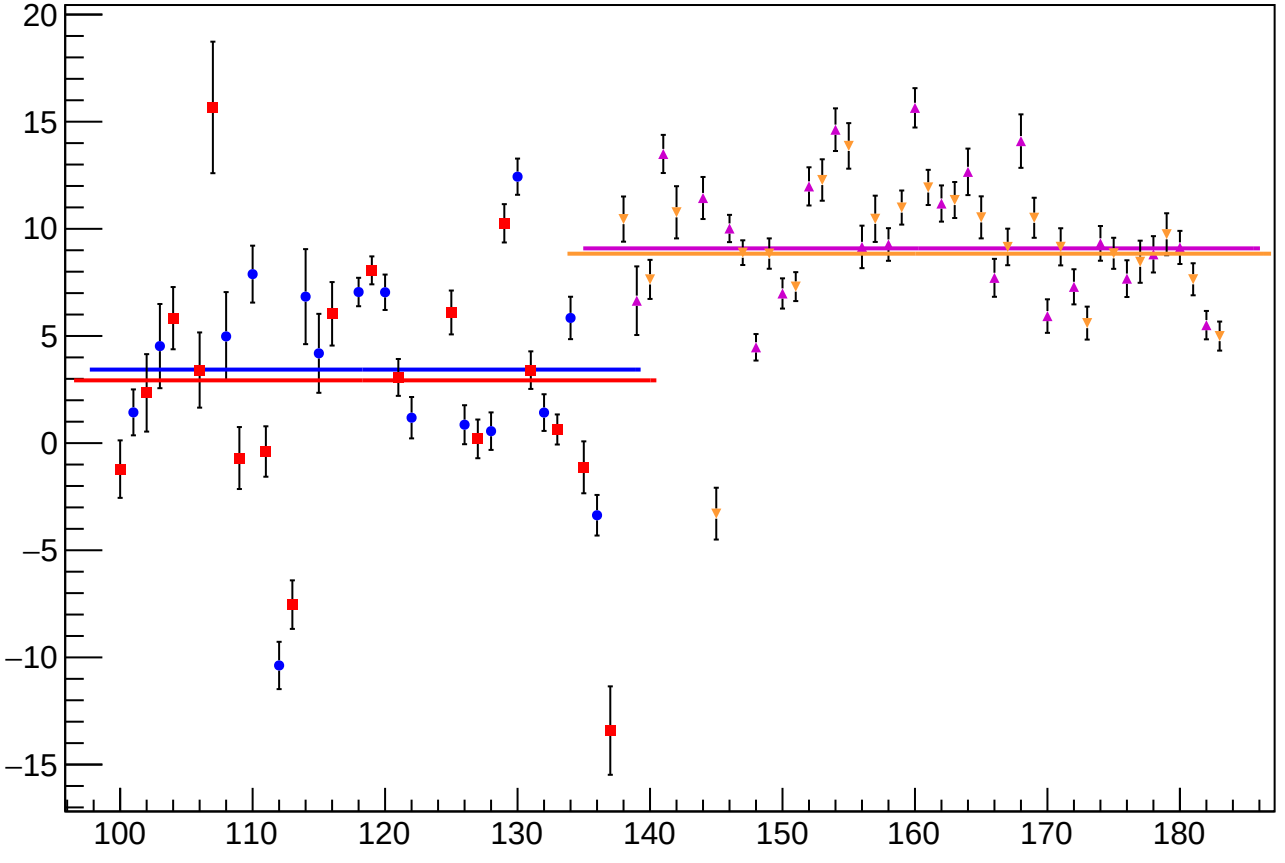
Left In: 8.963+/-0.205 χ^2/NDF:787.0/21

\+ sign 11.157+/-0.157 χ^2/NDF: 3671.3/38

All: 11.344+/-0.111 χ^2/NDF: 7938.2/78

\- sign 11.529+/-0.156 χ^2/NDF: 4264.1/39

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.840+/-0.175 χ^2/NDF:240.1/22

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

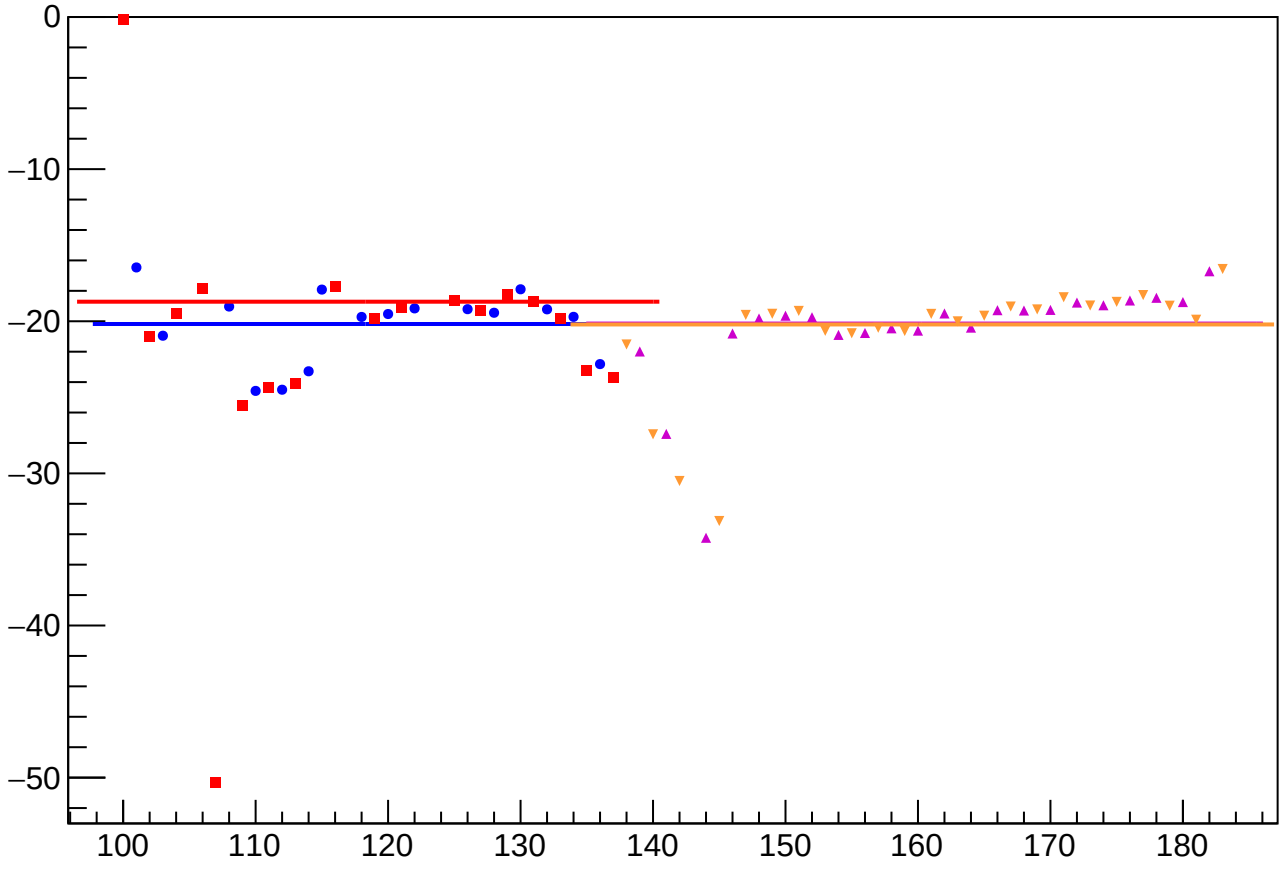
Left In: 9.088+/-0.178 χ^2/NDF:280.5/21

+ sign 7.095+/-0.144 χ^2/NDF: 970.7/38

All: 7.072+/-0.103 χ^2/NDF: 2014.4/78

- sign 7.049+/-0.146 χ^2/NDF: 1043.7/39

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.210+/-0.008 χ^2/NDF:153809.2/22

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

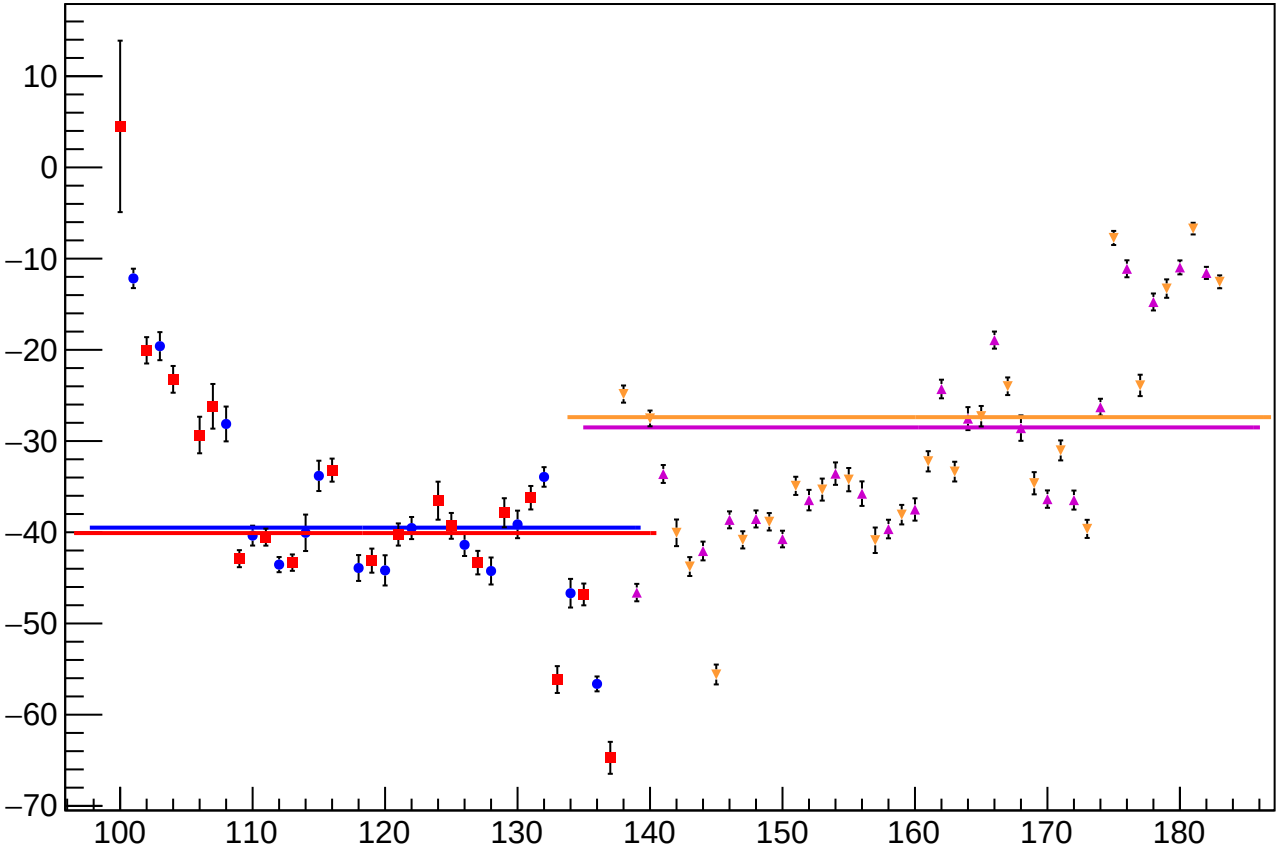
Left In: -20.151+/-0.008 χ^2/NDF:128127.2/21

+ sign -20.204+/-0.007 χ^2/NDF: 173668.8/38

All: -20.026+/-0.005 χ^2/NDF: 544424.2/78

- sign -19.850+/-0.007 χ^2/NDF: 369533.0/39

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -27.380+/-0.202 χ^2/NDF:4266.6/23

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

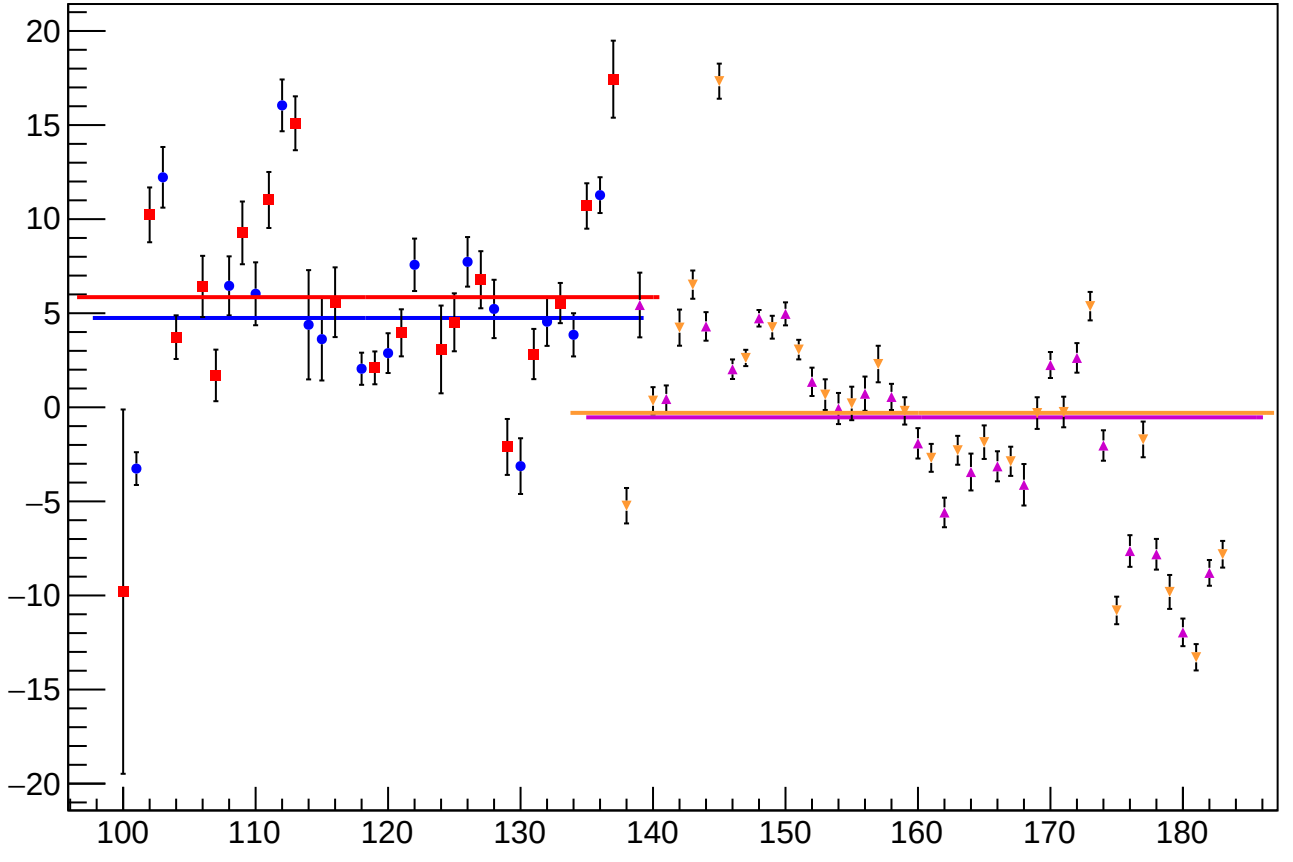
Left In: -28.504+/-0.209 χ^2/NDF:3241.1/21

\+ sign -30.981+/-0.169 χ^2/NDF: 6752.0/39

All: -31.562+/-0.121 χ^2/NDF: 11825.5/80

\- sign -32.166+/-0.173 χ^2/NDF: 5049.5/40

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: -0.296+/-0.151 χ^2/NDF:1505.9/23

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

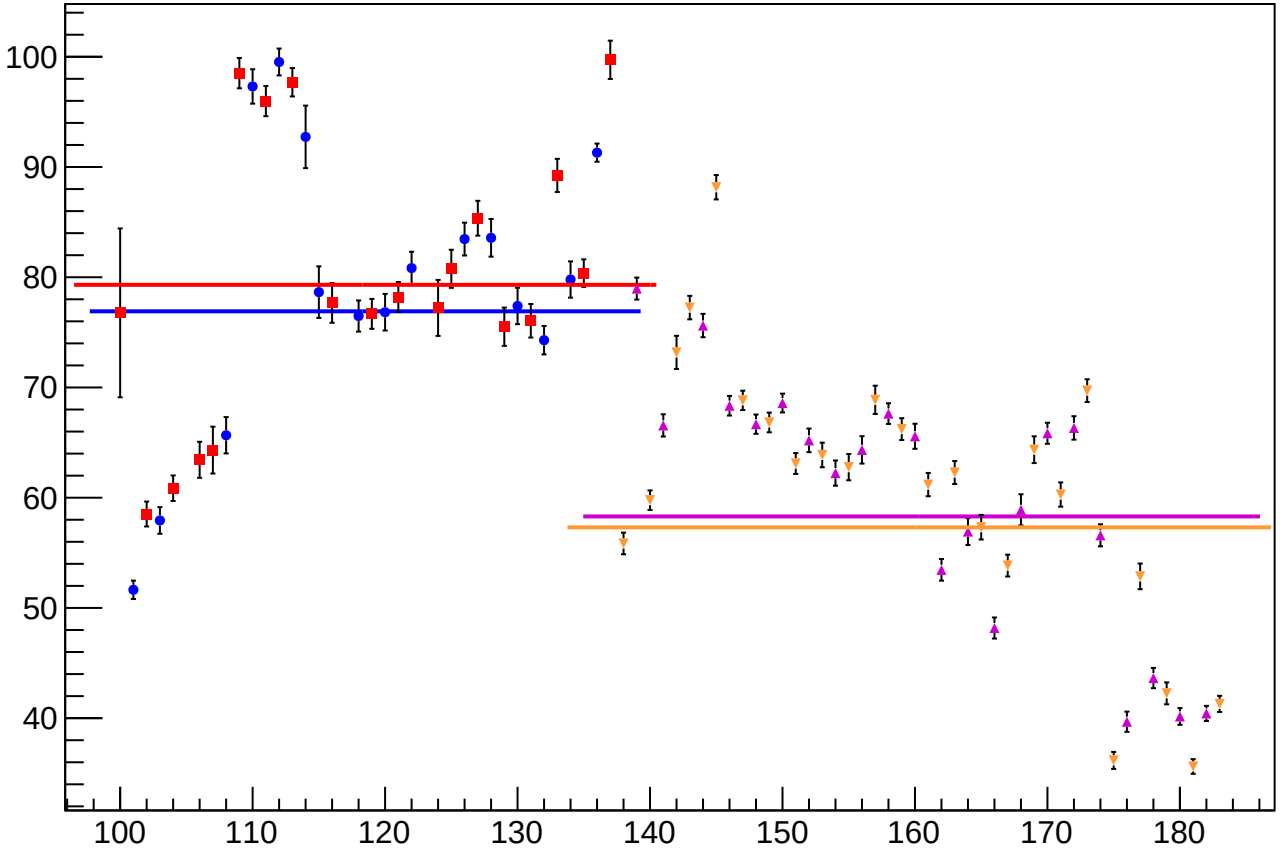
Left In: -0.534+/-0.157 χ^2/NDF:963.1/21

+ sign 0.642+/-0.136 χ^2/NDF: 1987.1/39

All: 0.659+/-0.098 χ^2/NDF: 3453.2/80

- sign 0.676+/-0.141 χ^2/NDF: 1466.1/40

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 57.312+/-0.200 χ^2/NDF:4566.3/23

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

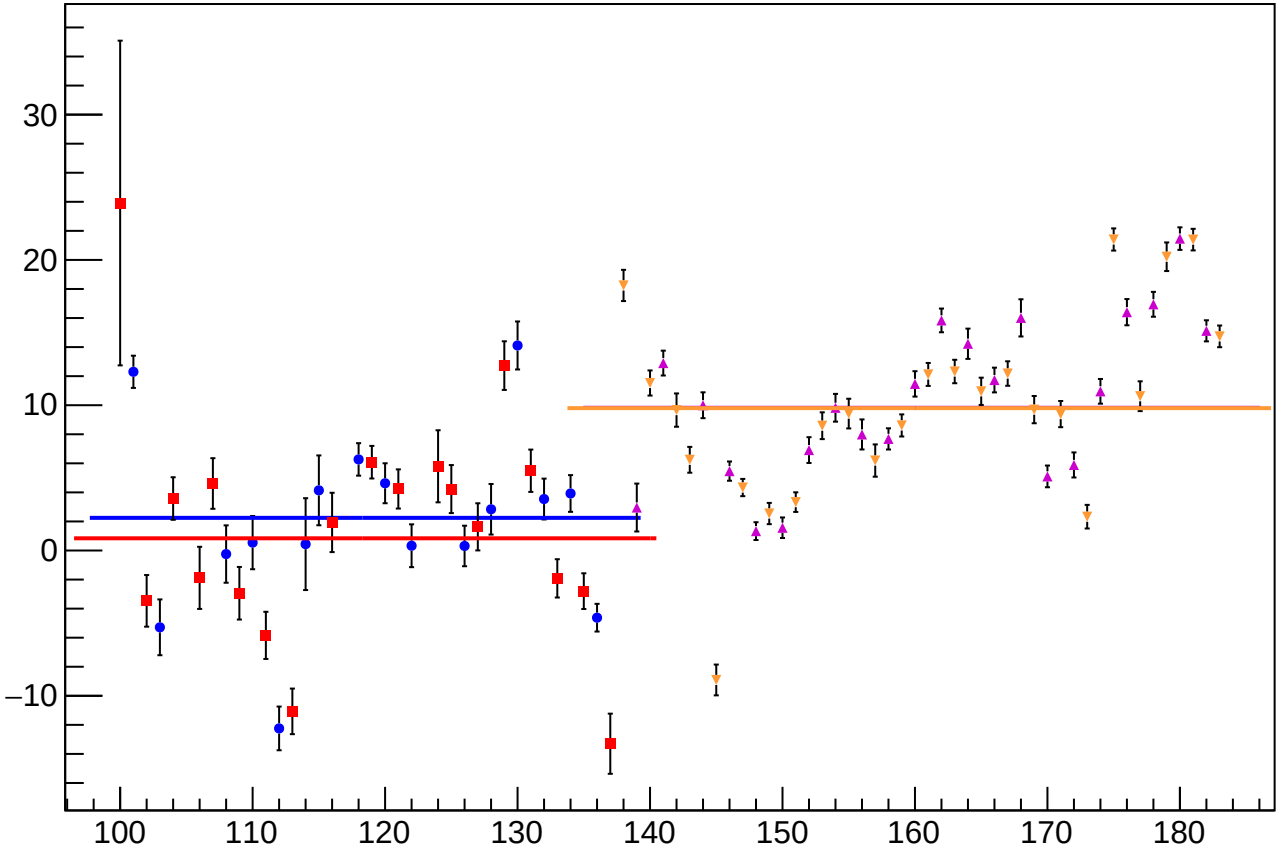
Left In: 58.300+/-0.206 χ^2/NDF:3515.3/21

+ sign 62.435+/-0.172 χ^2/NDF: 9182.0/39

All: 63.079+/-0.124 χ^2/NDF: 16922.2/80

- sign 63.763+/-0.177 χ^2/NDF: 7711.4/40

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 9.799+/-0.173 χ^2/NDF:1427.2/23

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

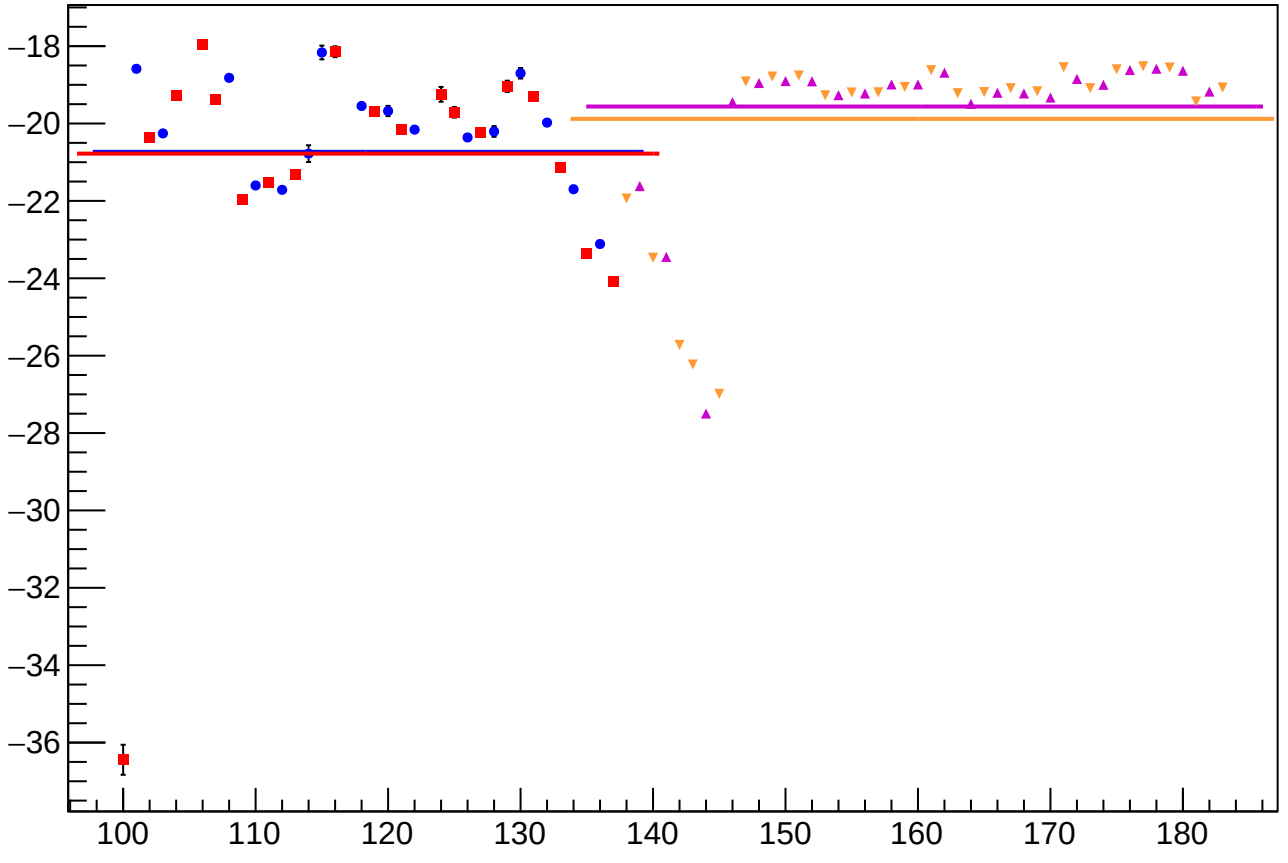
Left In: 9.823+/-0.178 χ^2/NDF:991.9/21

+ sign 8.407+/-0.156 χ^2/NDF: 2099.6/39

All: 8.281+/-0.112 χ^2/NDF: 3823.3/80

- sign 8.148+/-0.161 χ^2/NDF: 1722.4/40

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -19.879+/-0.008 χ^2/NDF:78745.4/23

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

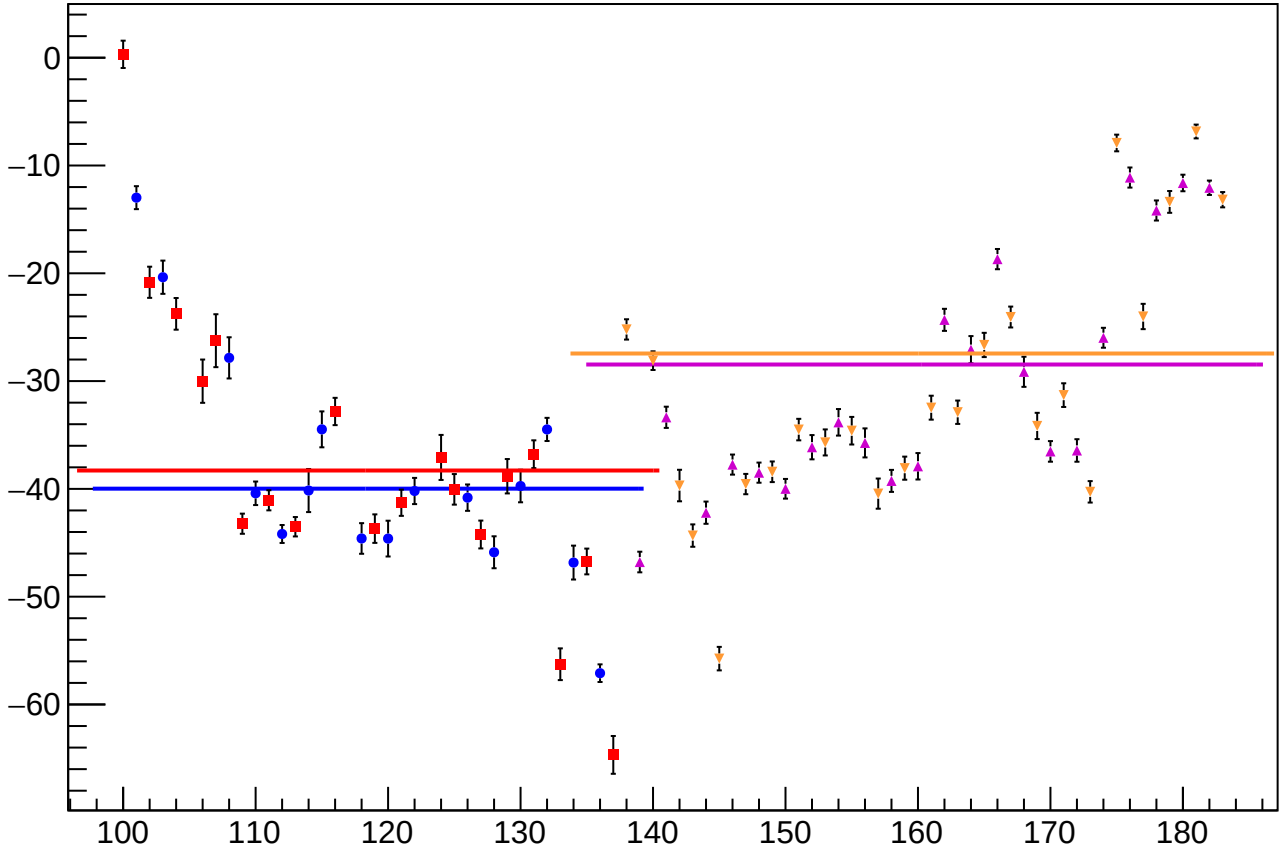
Left In: -19.561+/-0.008 χ^2/NDF:45172.2/21

+ sign -20.001+/-0.007 χ^2/NDF: 88032.7/39

All: -19.867+/-0.005 χ^2/NDF: 146452.4/80

- sign -19.728+/-0.007 χ^2/NDF: 57737.3/40

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -27.441+/-0.202 χ^2/NDF:4169.6/23

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

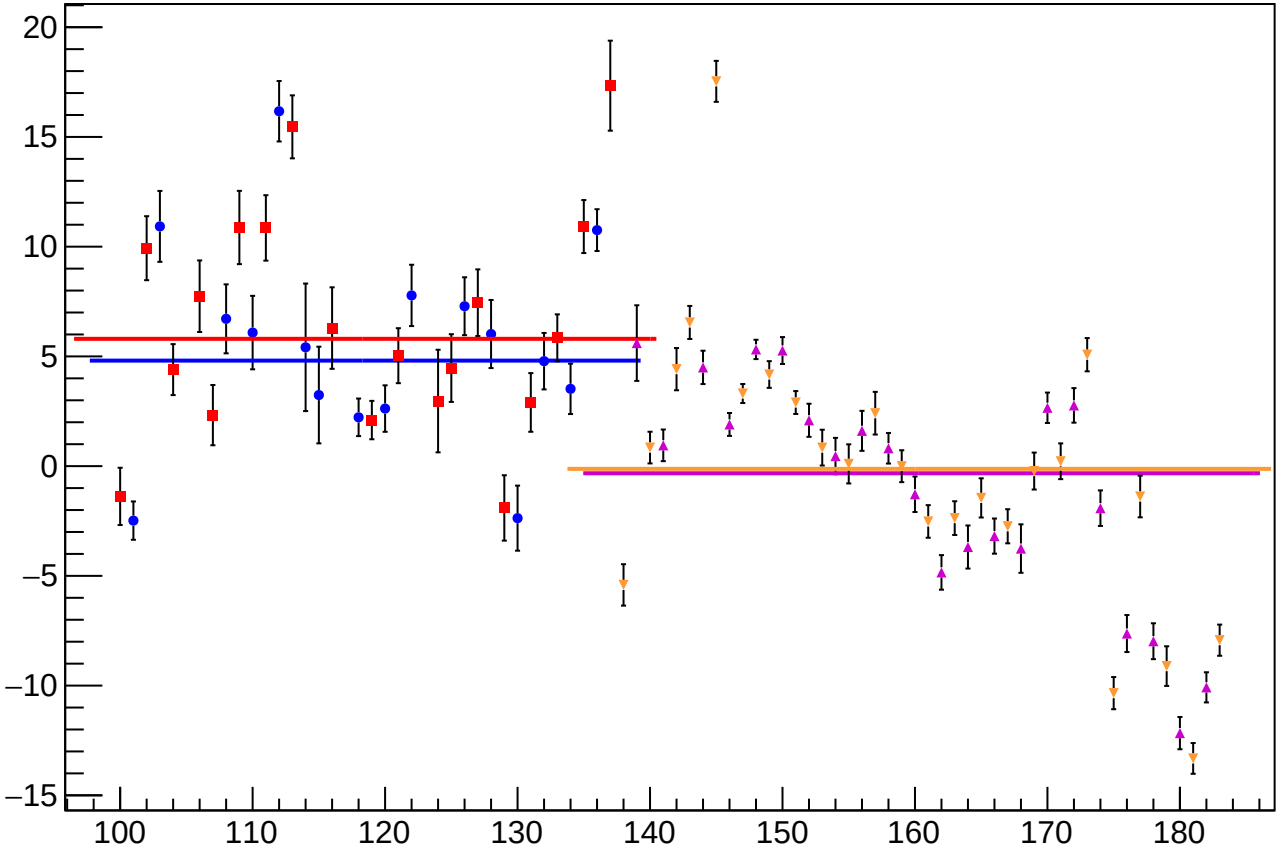
Left In: -28.462+/-0.209 χ^2/NDF:3140.4/21

+ sign -31.168+/-0.170 χ^2/NDF: 6709.5/39

All: -31.428+/-0.121 χ^2/NDF: 12354.1/80

- sign -31.692+/-0.171 χ^2/NDF: 5639.9/40

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: -0.123+/-0.151 χ^2/NDF:1497.0/23

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

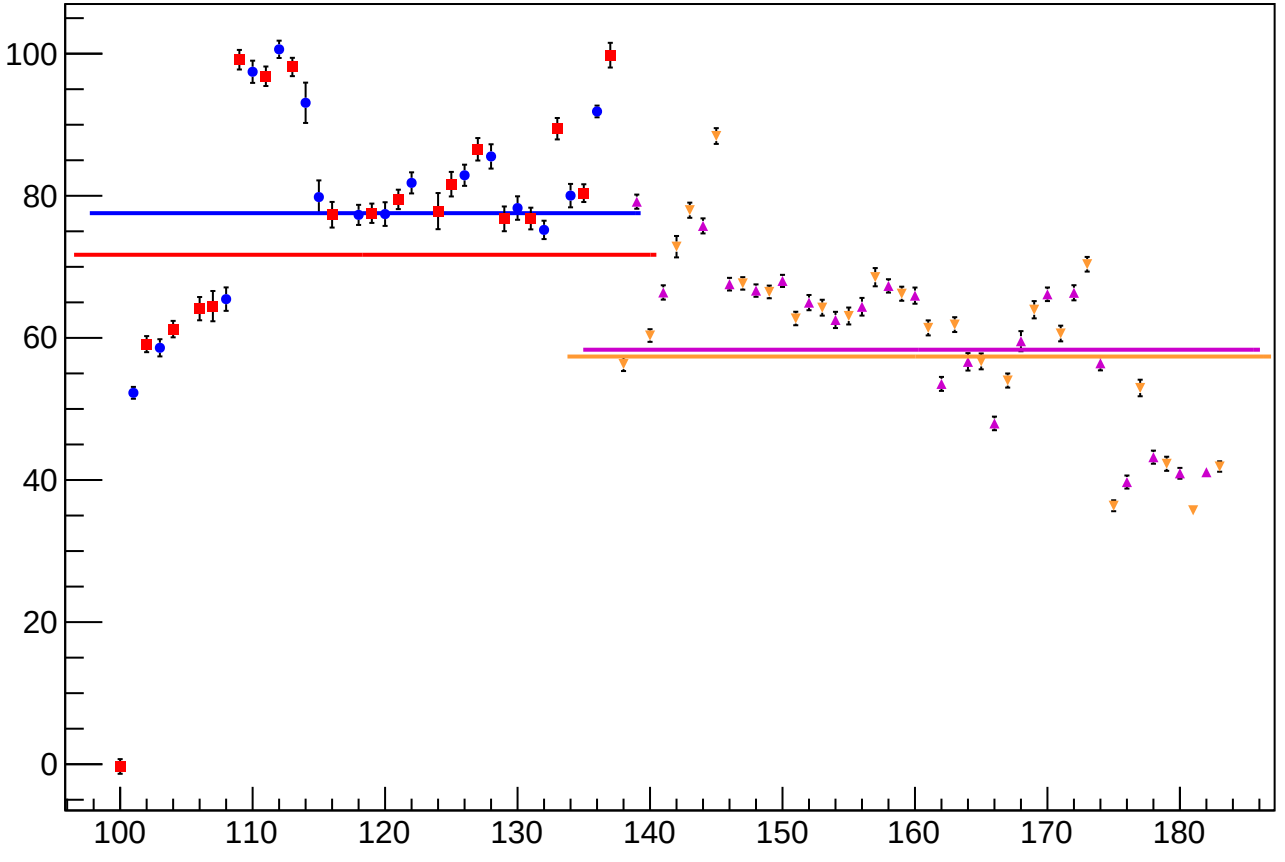
Left In: -0.324+/-0.157 χ^2/NDF:1069.8/21

+ sign 0.793+/-0.136 χ^2/NDF: 1935.3/39

All: 0.842+/-0.098 χ^2/NDF: 3524.8/80

- sign 0.893+/-0.140 χ^2/NDF: 1589.2/40

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 57.377+/-0.201 χ^2/NDF:4494.1/23

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

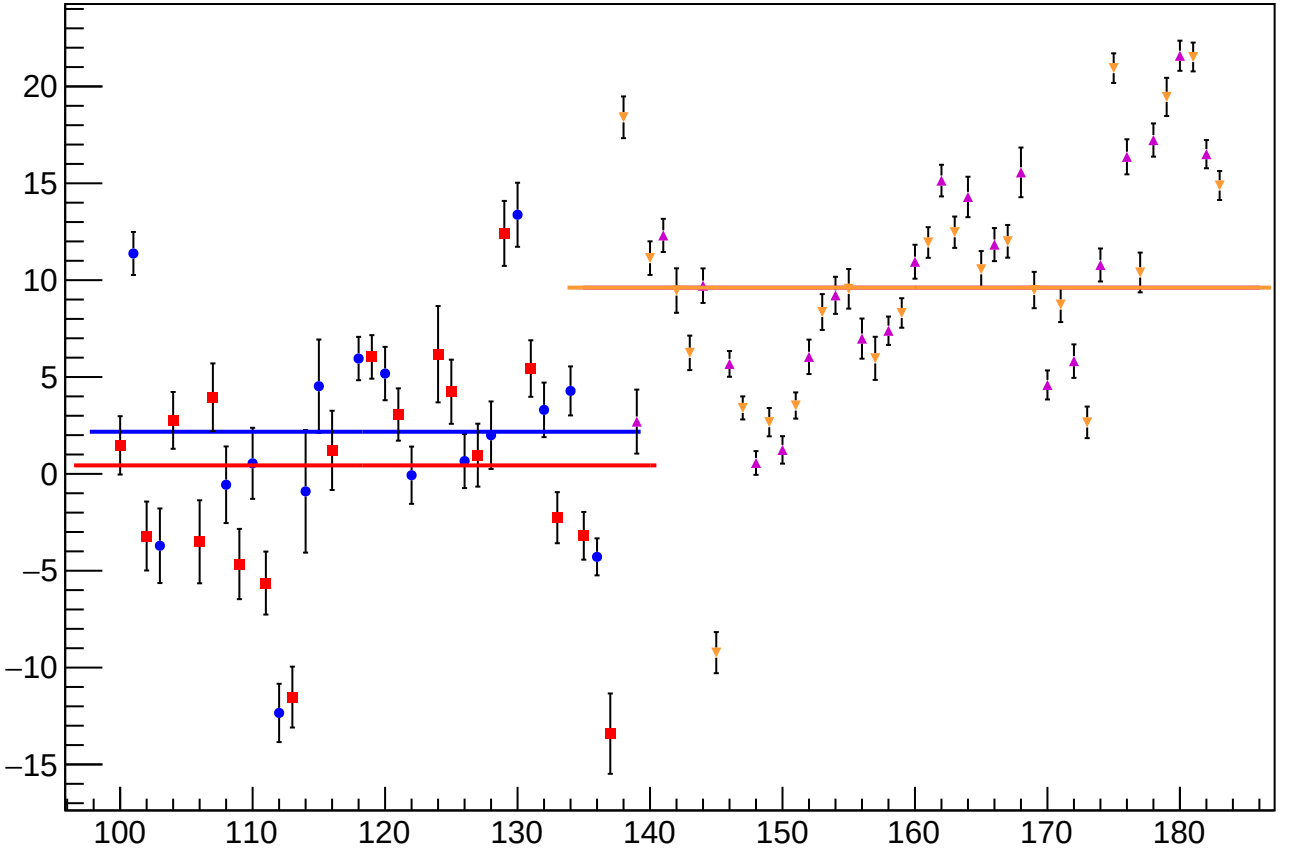
Left In: 58.337+/-0.207 χ^2/NDF:3400.9/21

+ sign 62.651+/-0.172 χ^2/NDF: 9254.1/39

All: 62.376+/-0.123 χ^2/NDF: 20739.2/80

- sign 62.092+/-0.175 χ^2/NDF: 11480.0/40

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 9.615+/-0.173 χ^2/NDF:1425.6/23

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

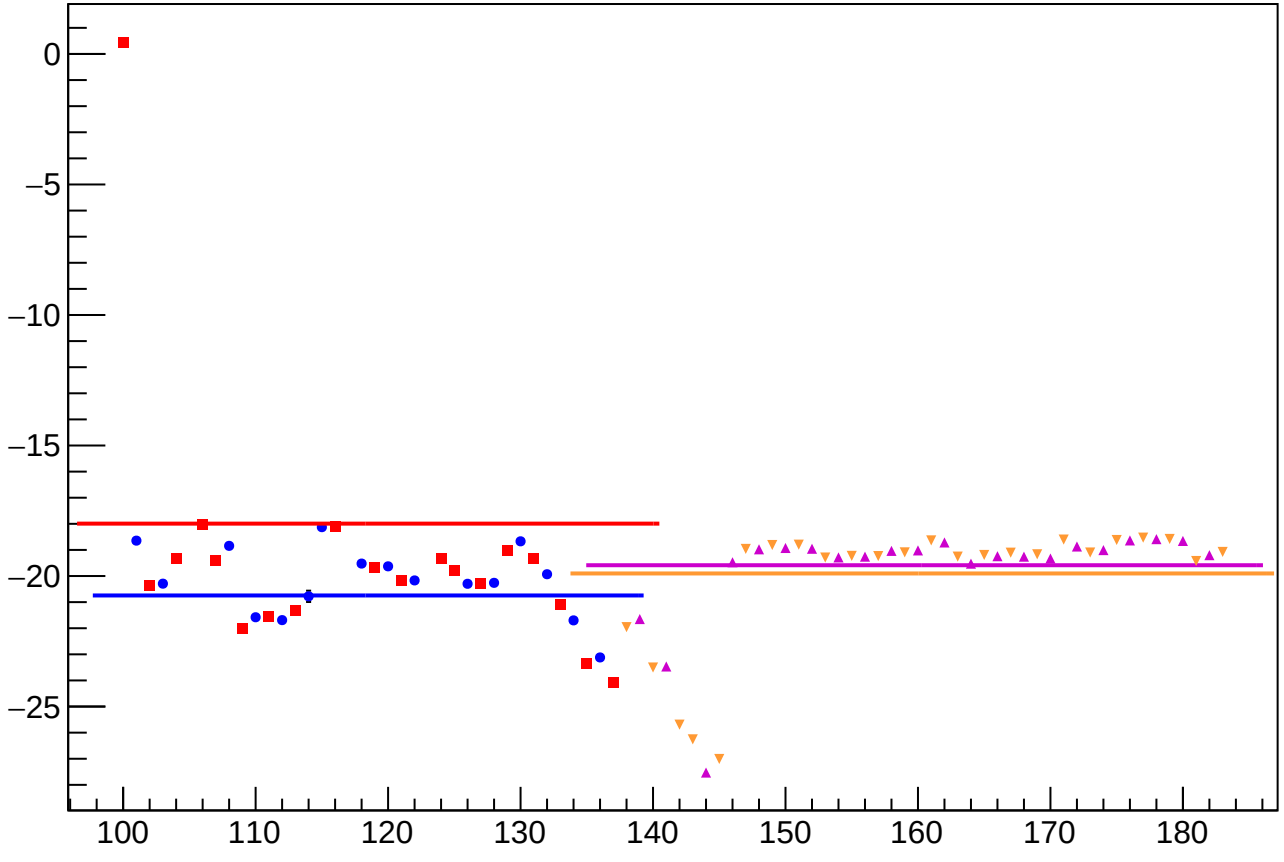
Left In: 9.612+/-0.178 χ^2/NDF:1076.3/21

\+ sign 8.244+/-0.156 χ^2/NDF: 2057.5/39

All: 8.036+/-0.112 χ^2/NDF: 3908.4/80

\- sign 7.818+/-0.160 χ^2/NDF: 1847.3/40

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -19.902+/-0.008 χ^2/NDF:78370.9/23

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

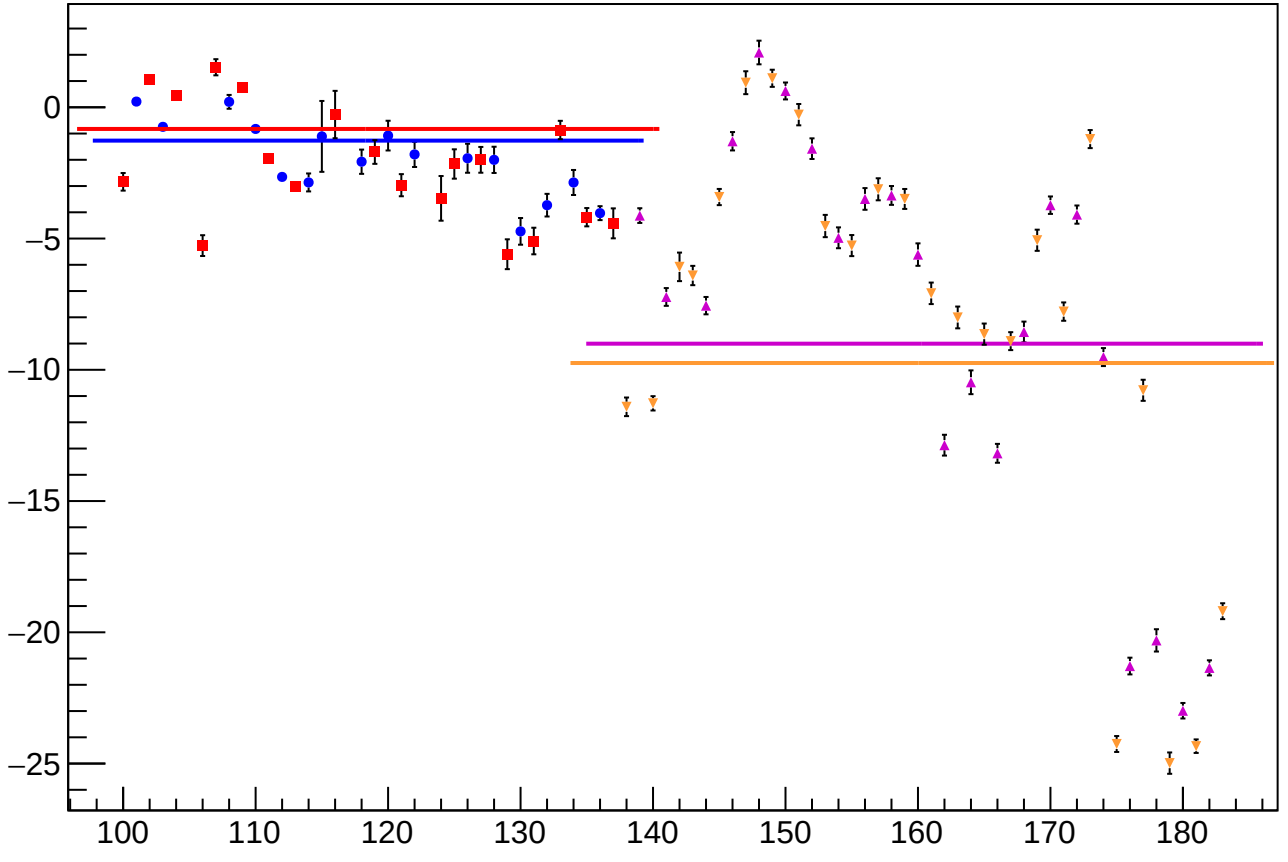
Left In: -19.586+/-0.008 χ^2/NDF:45085.2/21

+ sign -20.022+/-0.007 χ^2/NDF: 87493.0/39

All: -19.684+/-0.005 χ^2/NDF: 293444.0/80

- sign -19.340+/-0.007 χ^2/NDF: 201688.9/40

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -9.741+/-0.073 χ^2/NDF:12375.2/23

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

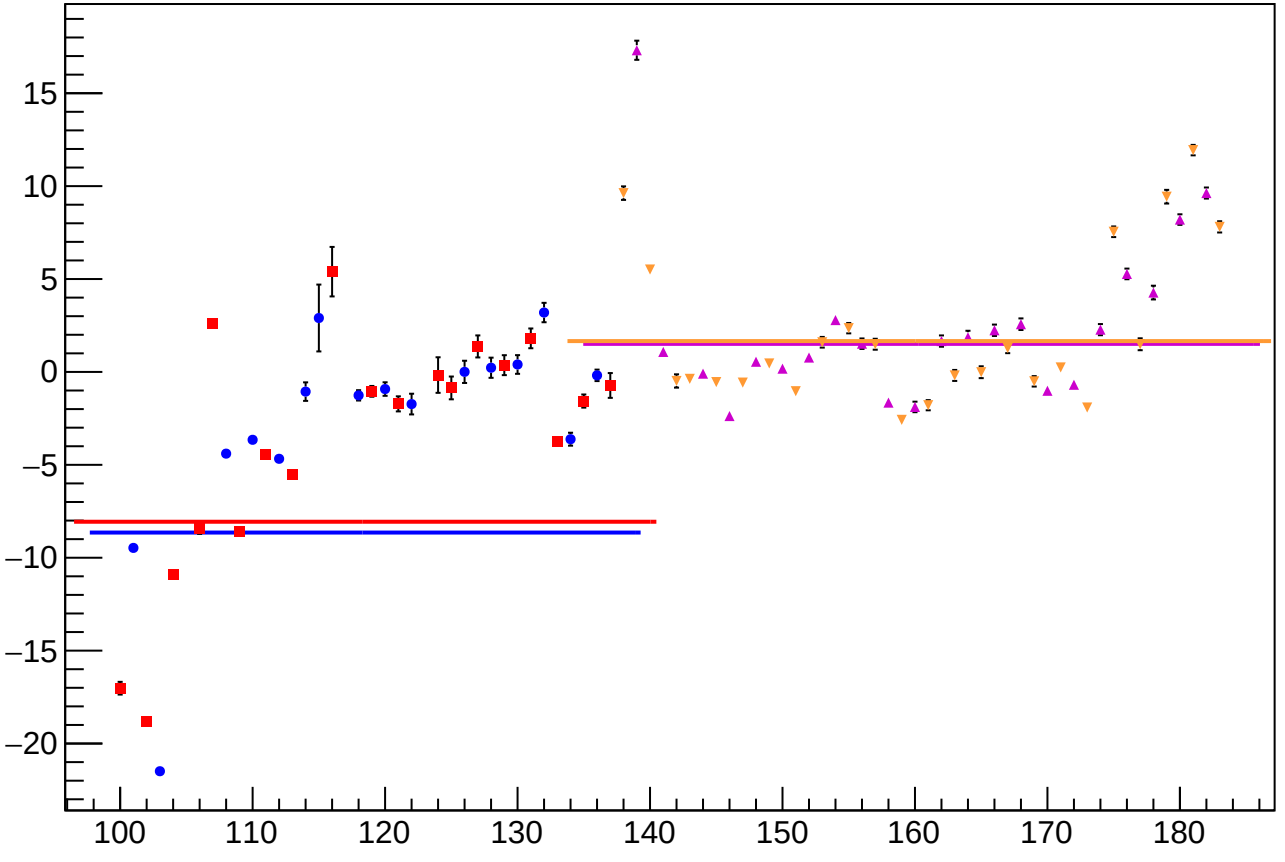
Left In: -9.005+/-0.076 χ^2/NDF:10249.5/21

+ sign -4.287+/-0.044 χ^2/NDF: 21590.7/39

All: -3.823+/-0.030 χ^2/NDF: 41497.4/80

- sign -3.390+/-0.042 χ^2/NDF: 19689.1/40

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.659+/-0.056 χ^2/NDF:4612.4/23

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

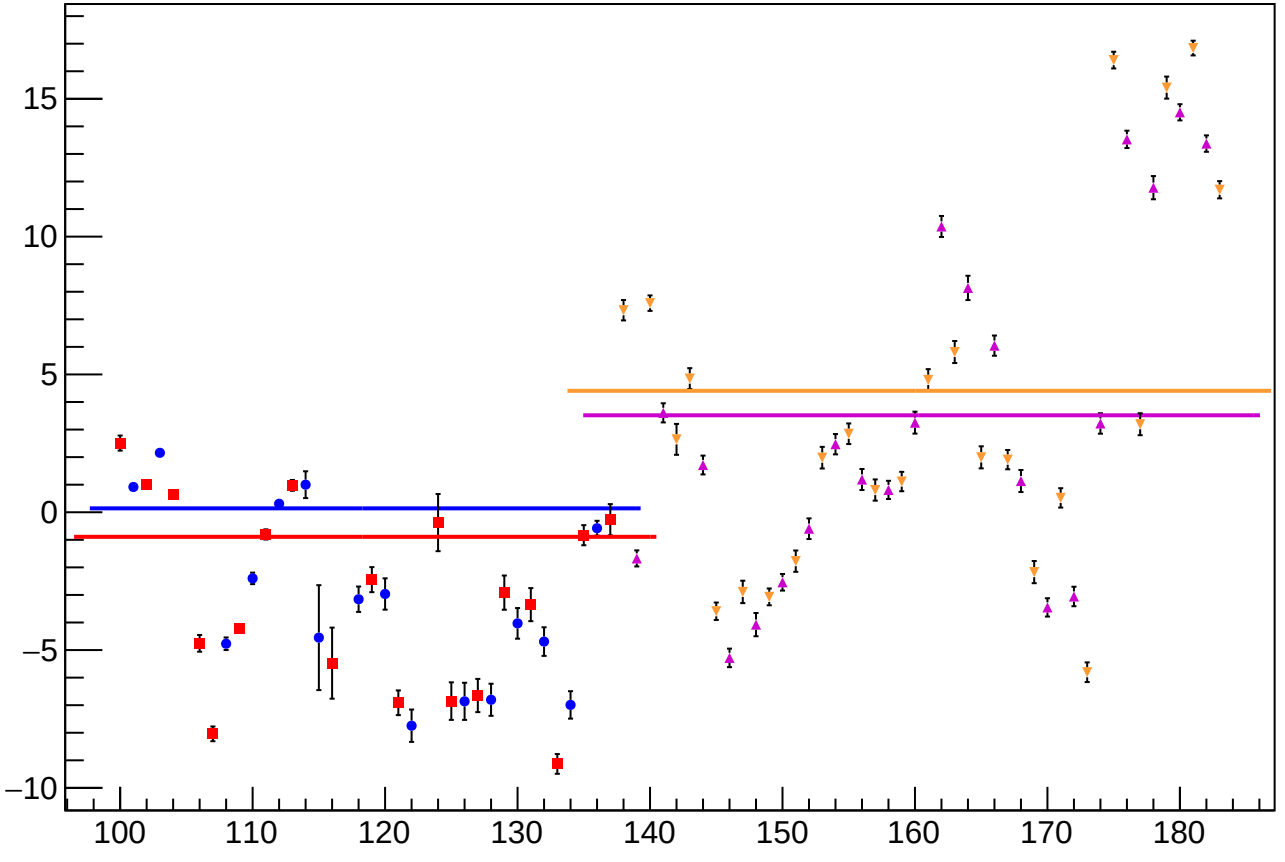
Left In: 1.511+/-0.058 χ^2/NDF:3447.2/21

\+ sign -3.368+/-0.040 χ^2/NDF: 35212.4/39

All: -3.345+/-0.028 χ^2/NDF: 66817.7/80

\- sign -3.321+/-0.041 χ^2/NDF: 31604.6/40

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 4.406+/-0.073 χ^2/NDF:8597.4/23

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

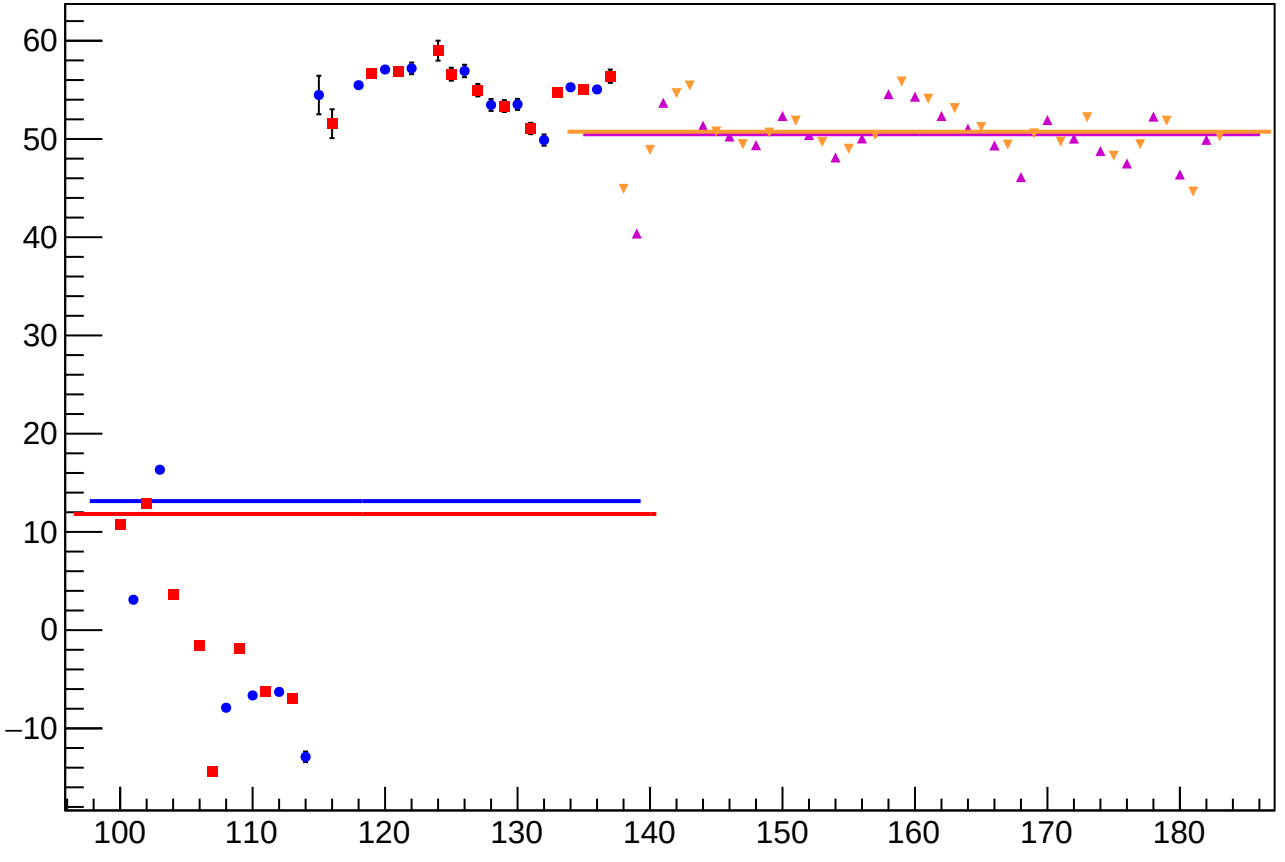
Left In: 3.518+/-0.075 χ^2/NDF:7185.2/21

+ sign 1.619+/-0.043 χ^2/NDF: 12804.9/39

All: 1.123+/-0.031 χ^2/NDF: 25551.2/80

- sign 0.610+/-0.044 χ^2/NDF: 12473.5/40

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.741+/-0.063 χ^2/NDF:1742.2/23

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

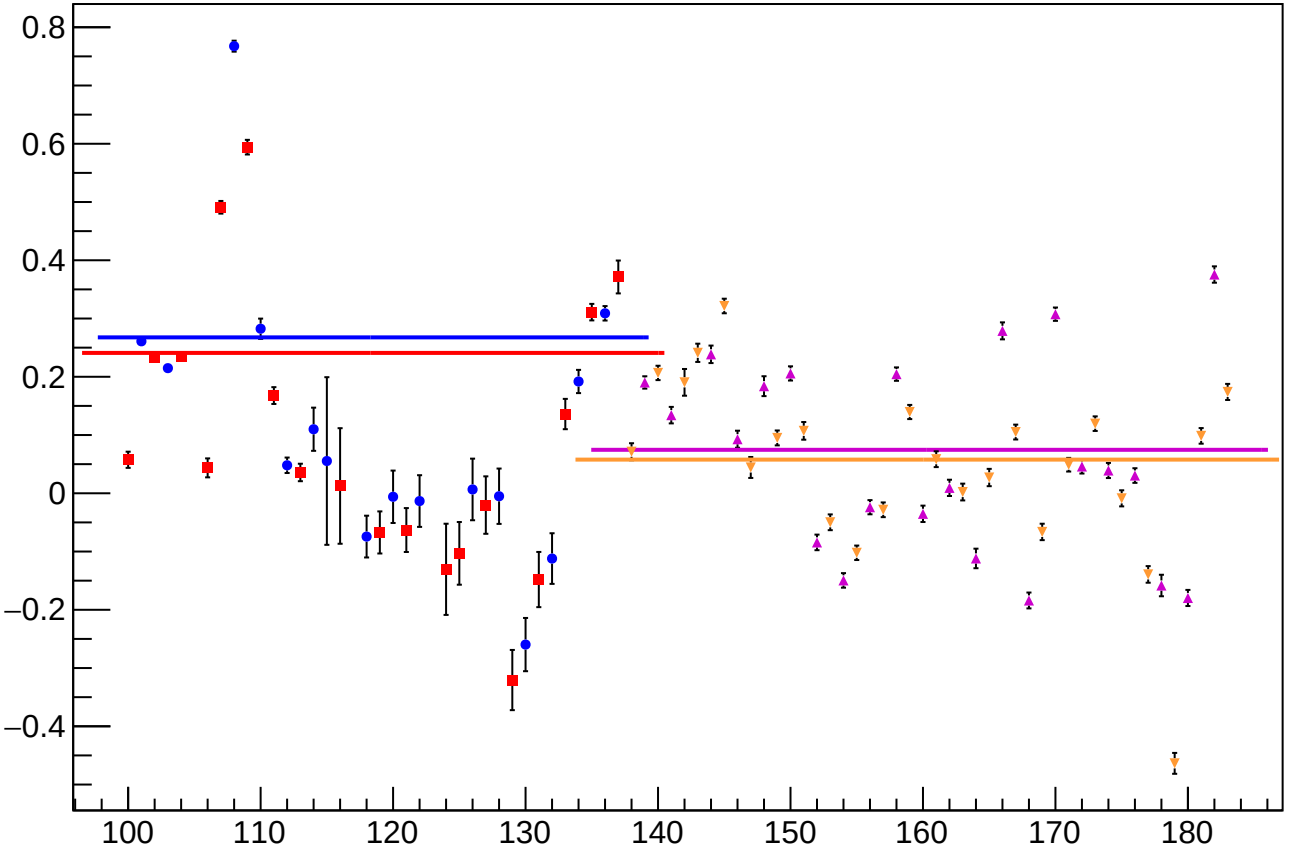
Left In: 50.483+/-0.065 χ^2/NDF:1641.7/21

+ sign 33.371+/-0.046 χ^2/NDF: 275152.7/39

All: 32.655+/-0.033 χ^2/NDF: 564177.9/80

- sign 31.913+/-0.047 χ^2/NDF: 288535.4/40

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.058+/-0.003 χ^2/NDF:2377.2/23

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

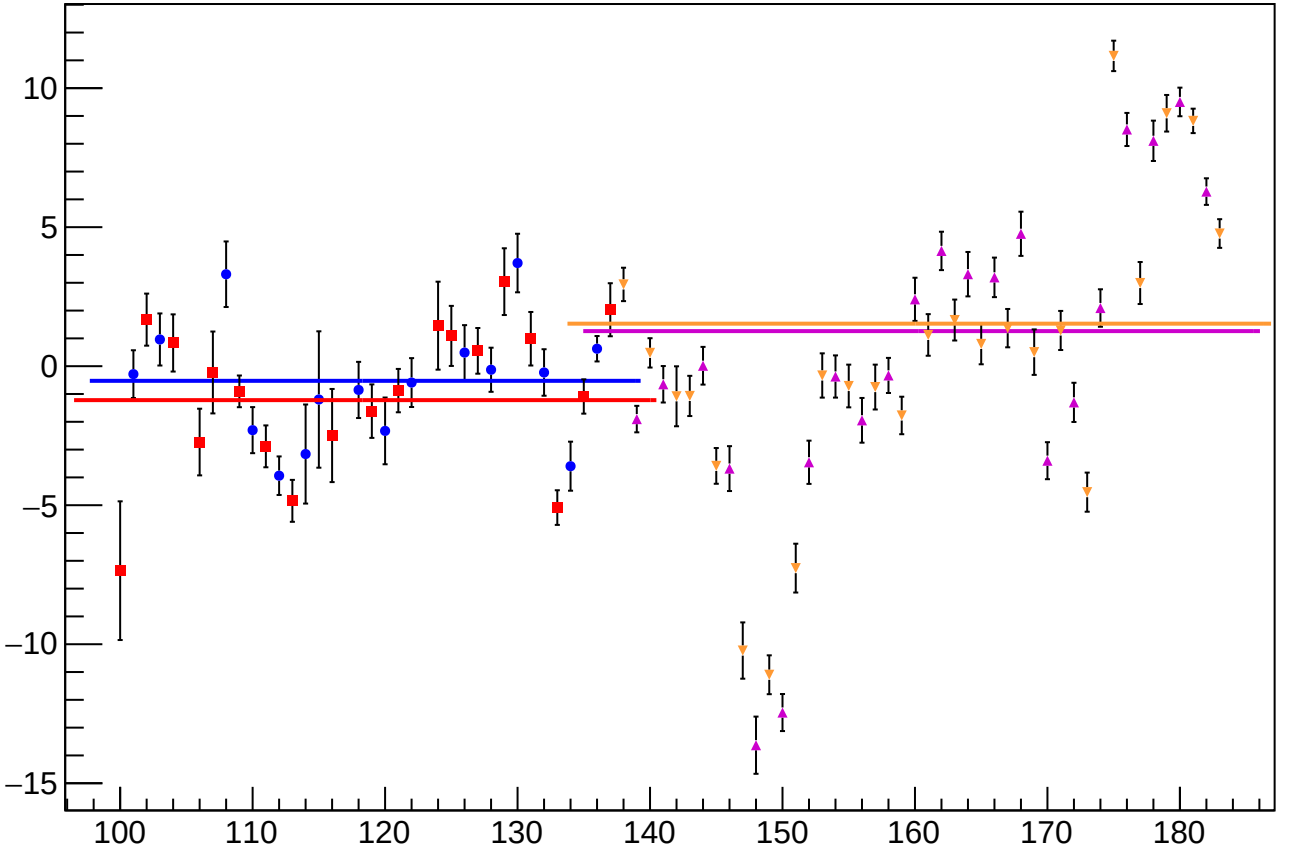
Left In: 0.075+/-0.003 χ^2/NDF:3229.3/21

+ sign 0.164+/-0.002 χ^2/NDF: 8894.6/39

All: 0.162+/-0.001 χ^2/NDF: 16232.1/80

- sign 0.161+/-0.002 χ^2/NDF: 7336.5/40

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 1.529+/-0.138 χ^2/NDF:1537.0/23

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

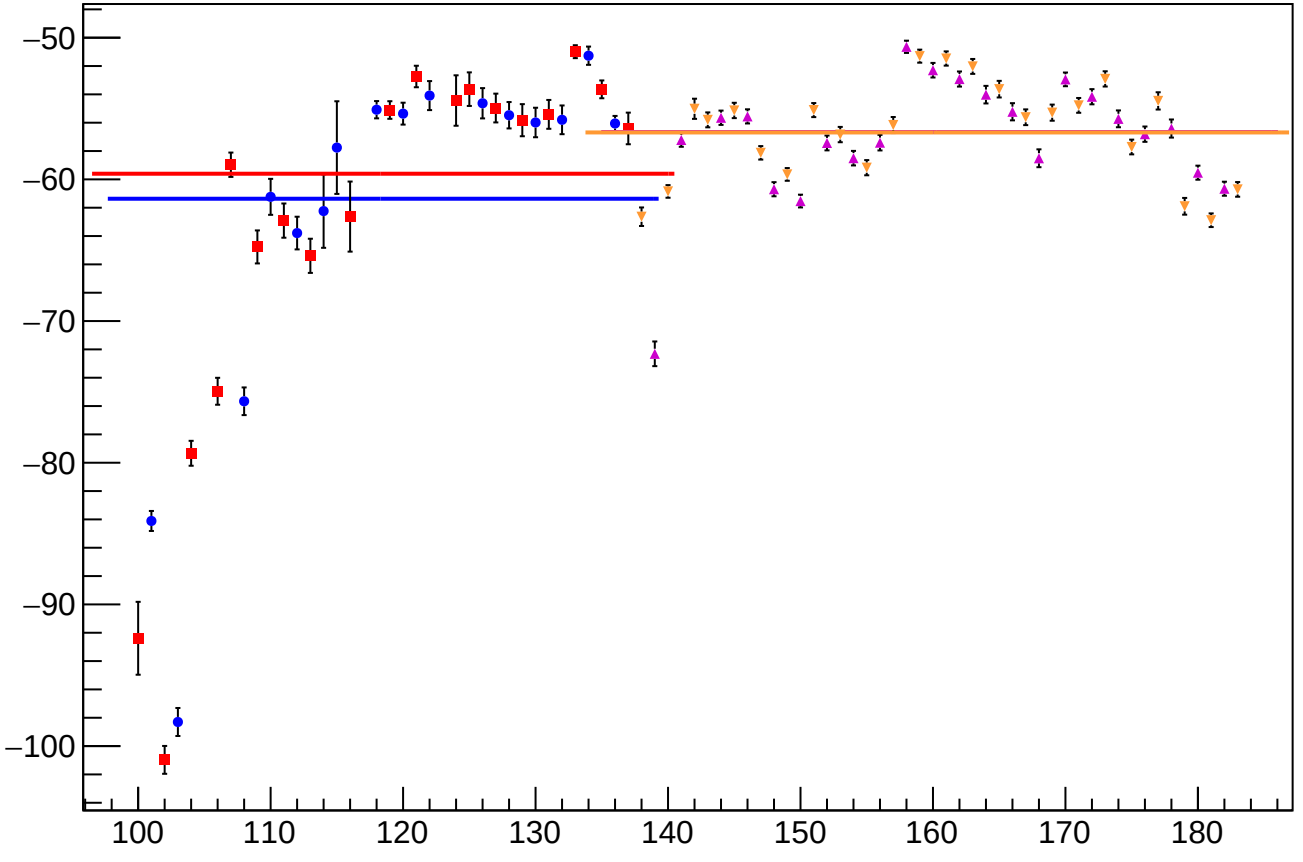
Left In: 1.262+/-0.142 χ^2/NDF:1512.0/21

+ sign 0.936+/-0.117 χ^2/NDF: 1683.5/39

All: 0.694+/-0.083 χ^2/NDF: 3434.3/80

- sign 0.451+/-0.117 χ^2/NDF: 1742.1/40

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.687+/-0.108 χ^2/NDF:1014.2/23

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

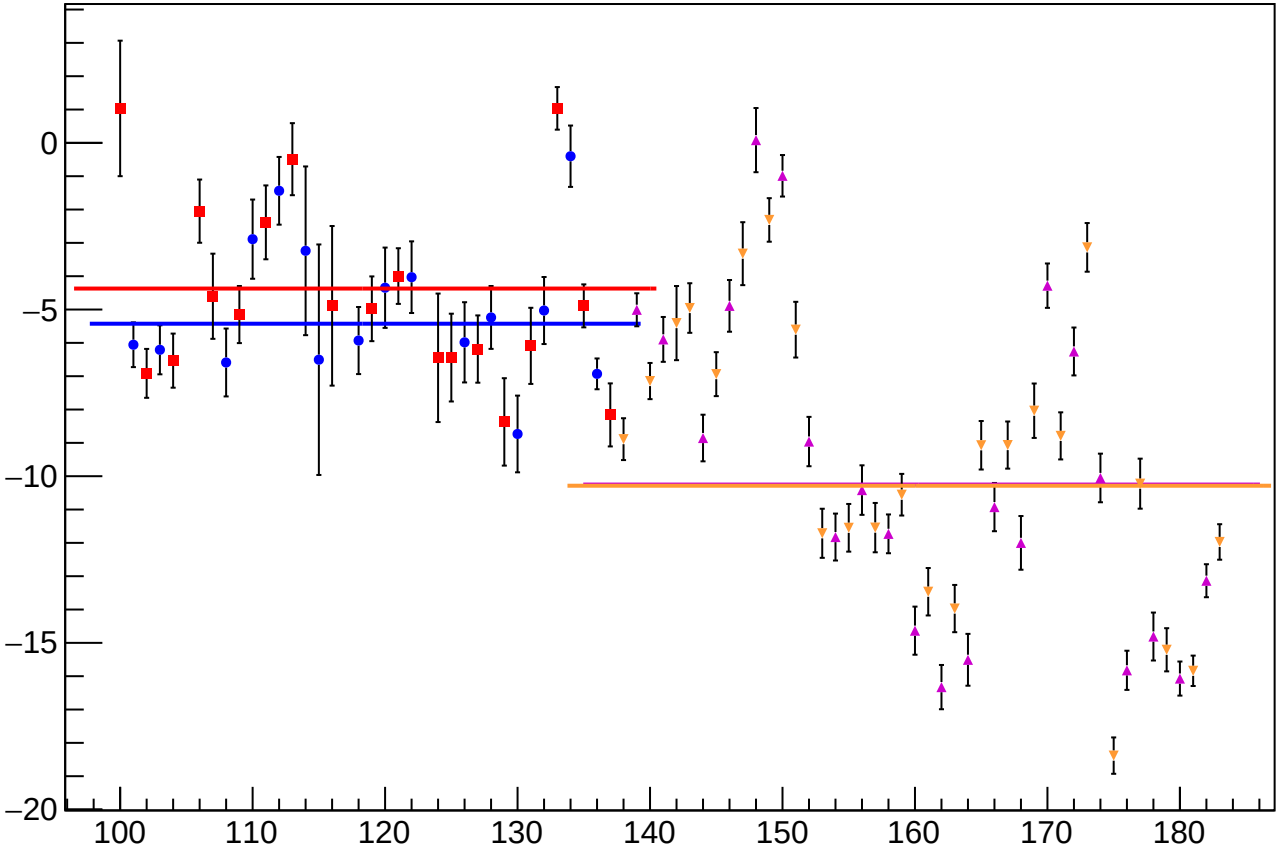
Left In: -56.658+/-0.113 χ^2/NDF:1061.0/21

+ sign -57.603+/-0.097 χ^2/NDF: 4732.7/39

All: -57.472+/-0.069 χ^2/NDF: 9374.9/80

- sign -57.336+/-0.099 χ^2/NDF: 4638.5/40

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -10.286+/-0.137 χ^2/NDF:976.8/23

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

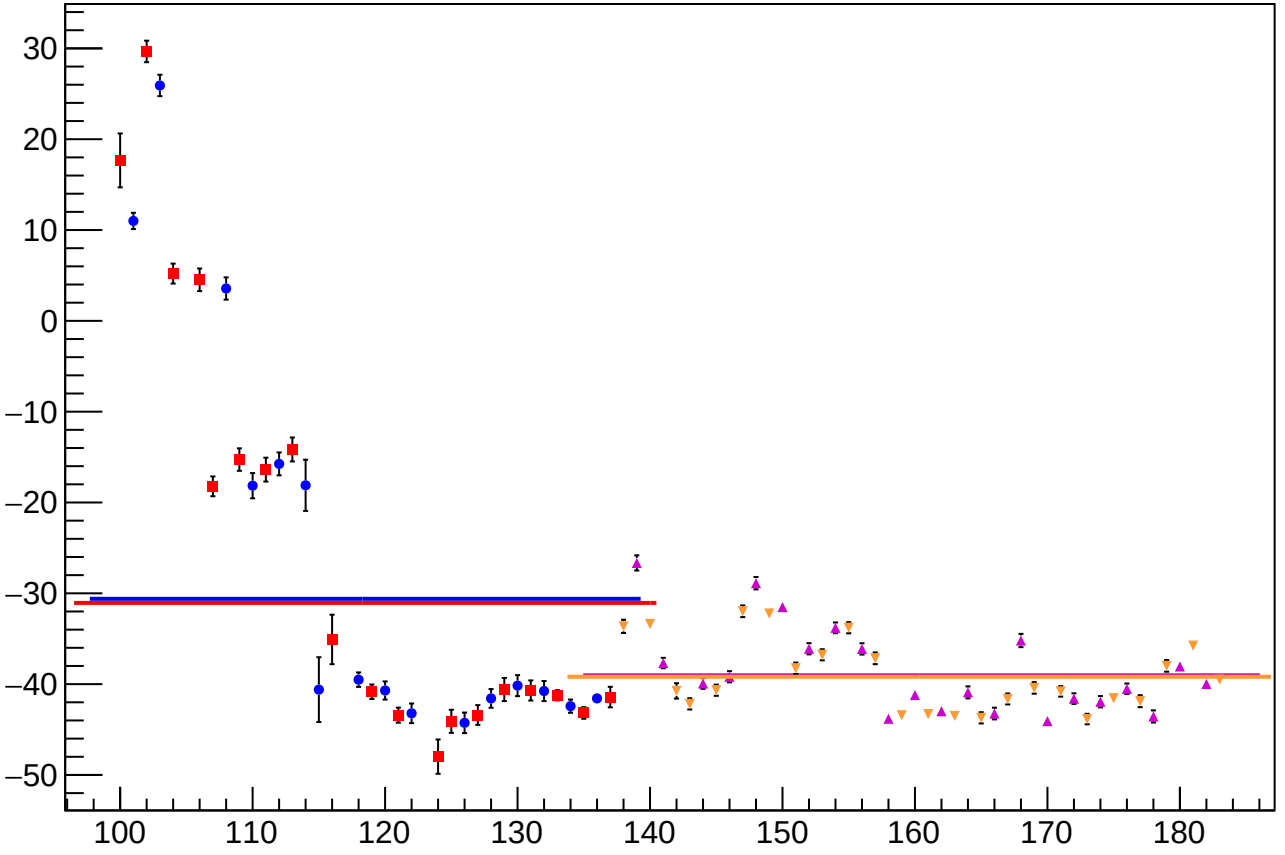
Left In: -10.251+/-0.141 χ^2/NDF:1133.7/21

+ sign -9.008+/-0.118 χ^2/NDF: 1382.1/39

All: -8.790+/-0.084 χ^2/NDF: 3177.8/80

- sign -8.568+/-0.119 χ^2/NDF: 1788.8/40

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.188+/-0.121 χ^2/NDF:1034.0/23

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

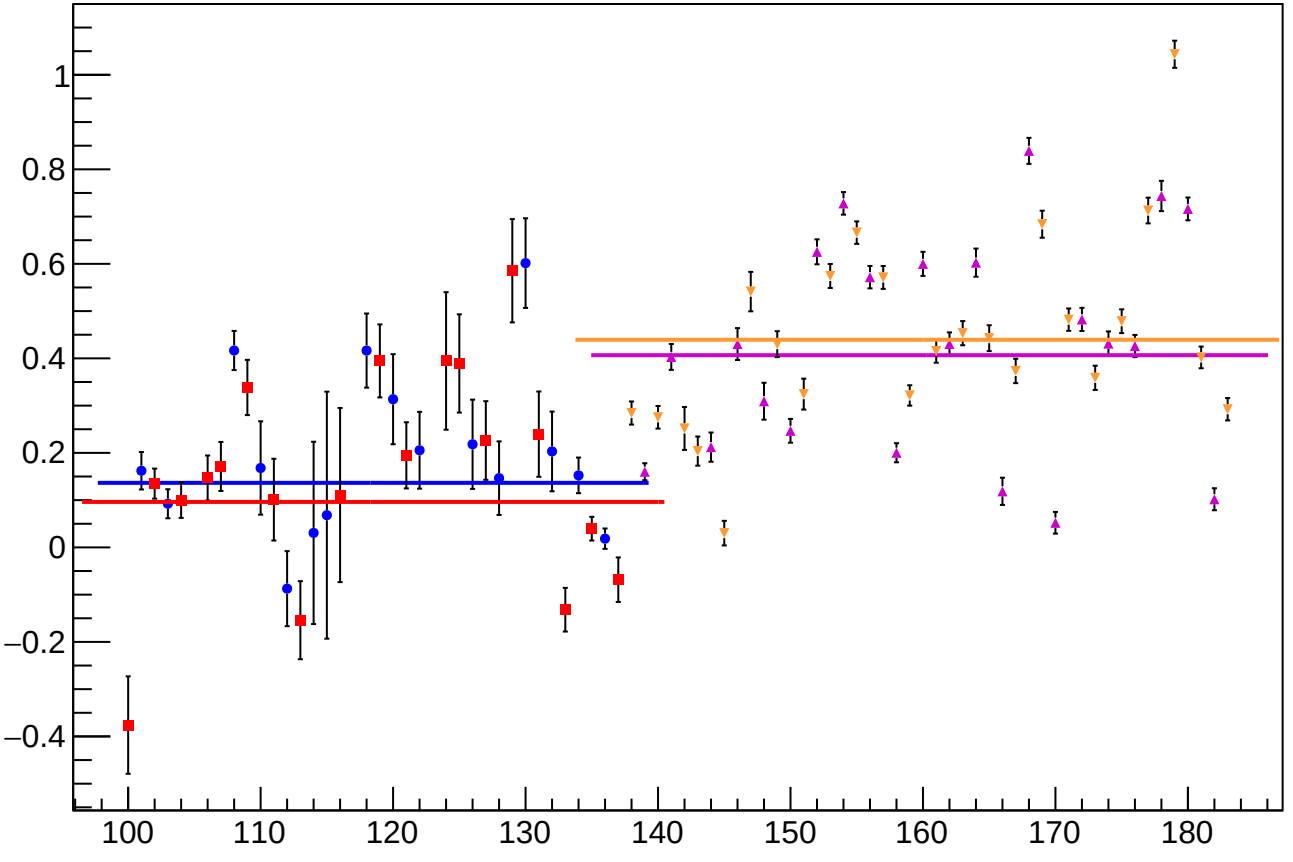
Left In: -39.026+/-0.126 χ^2/NDF:1225.4/21

\+ sign -37.552+/-0.109 χ^2/NDF: 8930.7/39

All: -37.423+/-0.078 χ^2/NDF: 18014.1/80

\- sign -37.289+/-0.111 χ^2/NDF: 9080.5/40

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.439+/-0.005 χ^2/NDF:1287.9/23

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

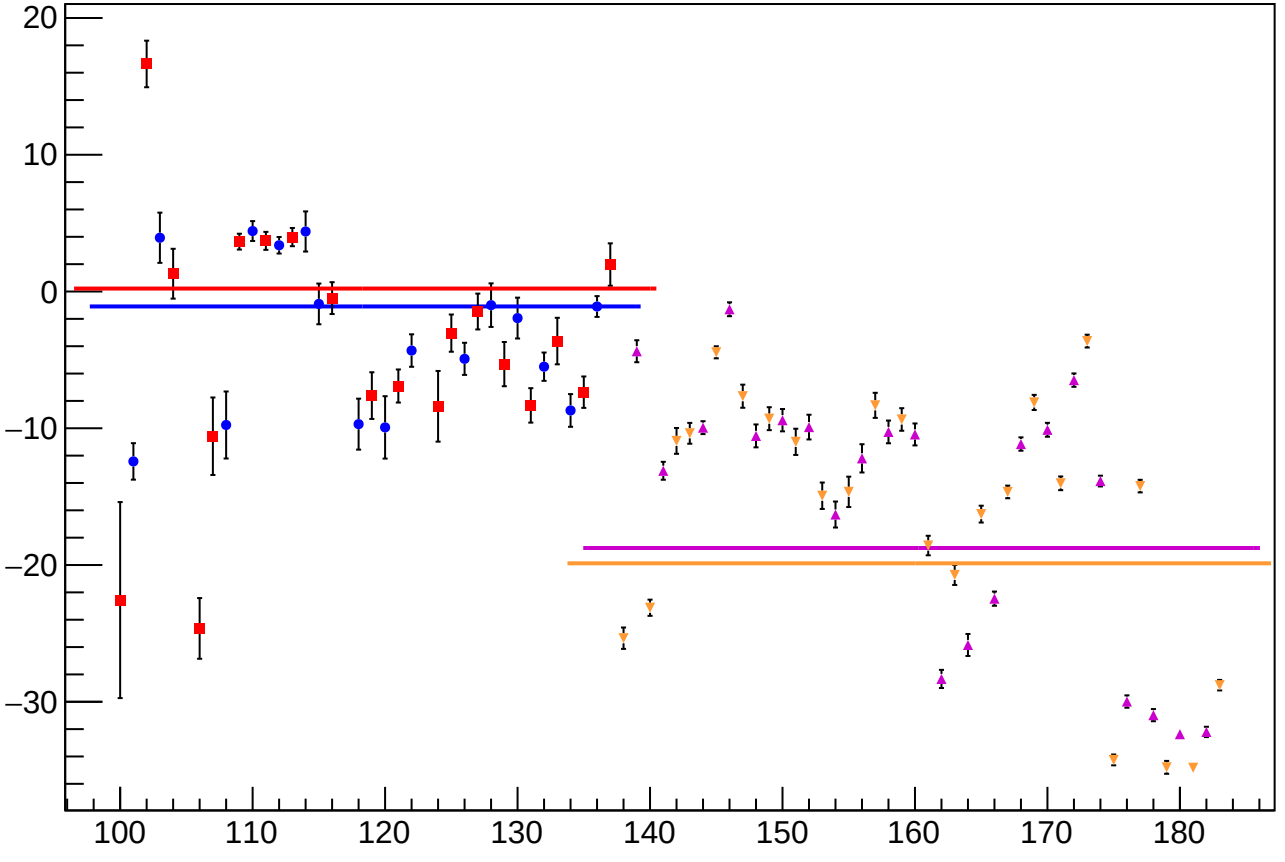
Left In: 0.407+/-0.005 χ^2/NDF:1823.5/21

+ sign 0.392+/-0.005 χ^2/NDF: 1912.4/39

All: 0.375+/-0.003 χ^2/NDF: 4440.5/80

- sign 0.357+/-0.005 χ^2/NDF: 2502.2/40

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -19.875+/-0.115 χ^2/NDF:9508.0/23

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

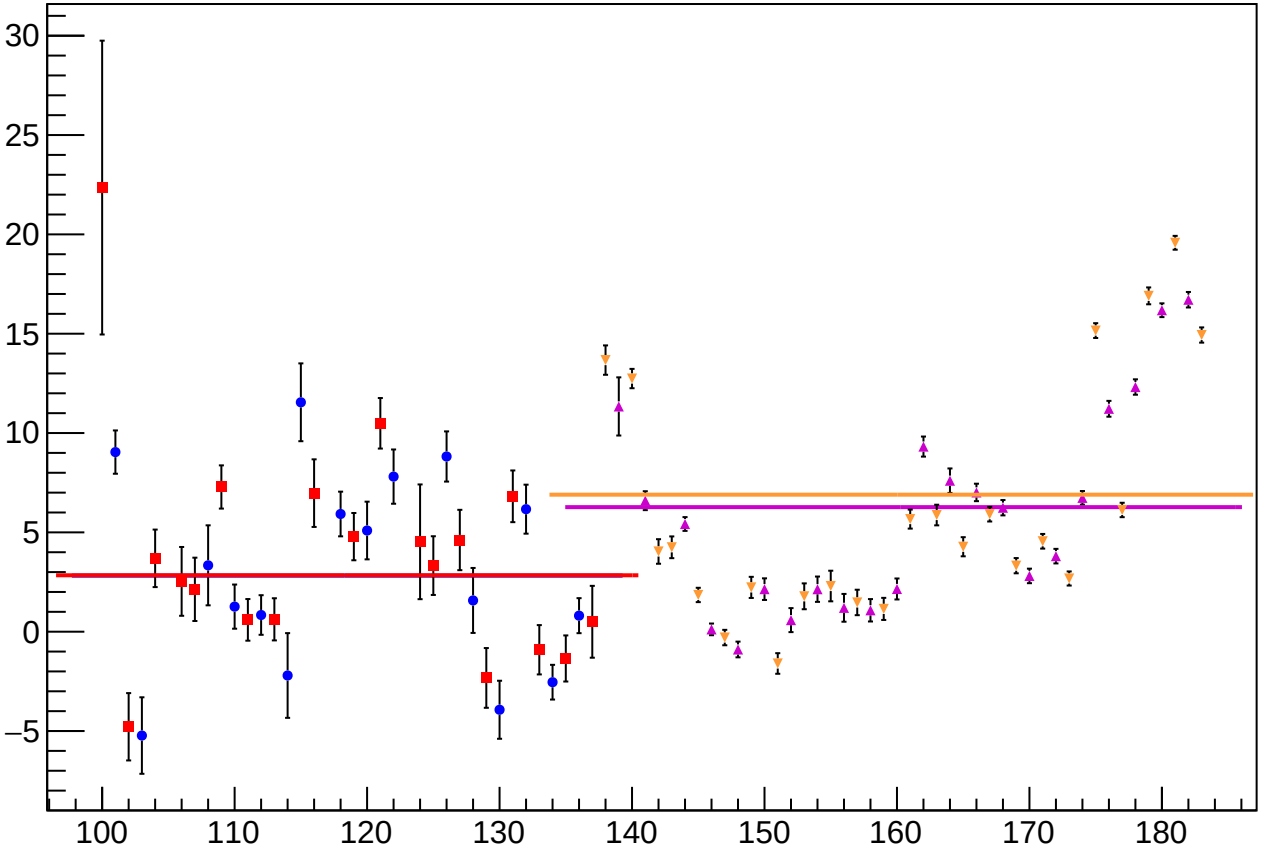
Left In: -18.755+/-0.118 χ^2/NDF:8223.7/21

+ sign -17.184+/-0.106 χ^2/NDF: 13679.3/39

All: -16.430+/-0.076 χ^2/NDF: 26776.0/80

- sign -15.657+/-0.108 χ^2/NDF: 12994.8/40

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 6.897+/-0.091 χ^2/NDF:4563.6/23

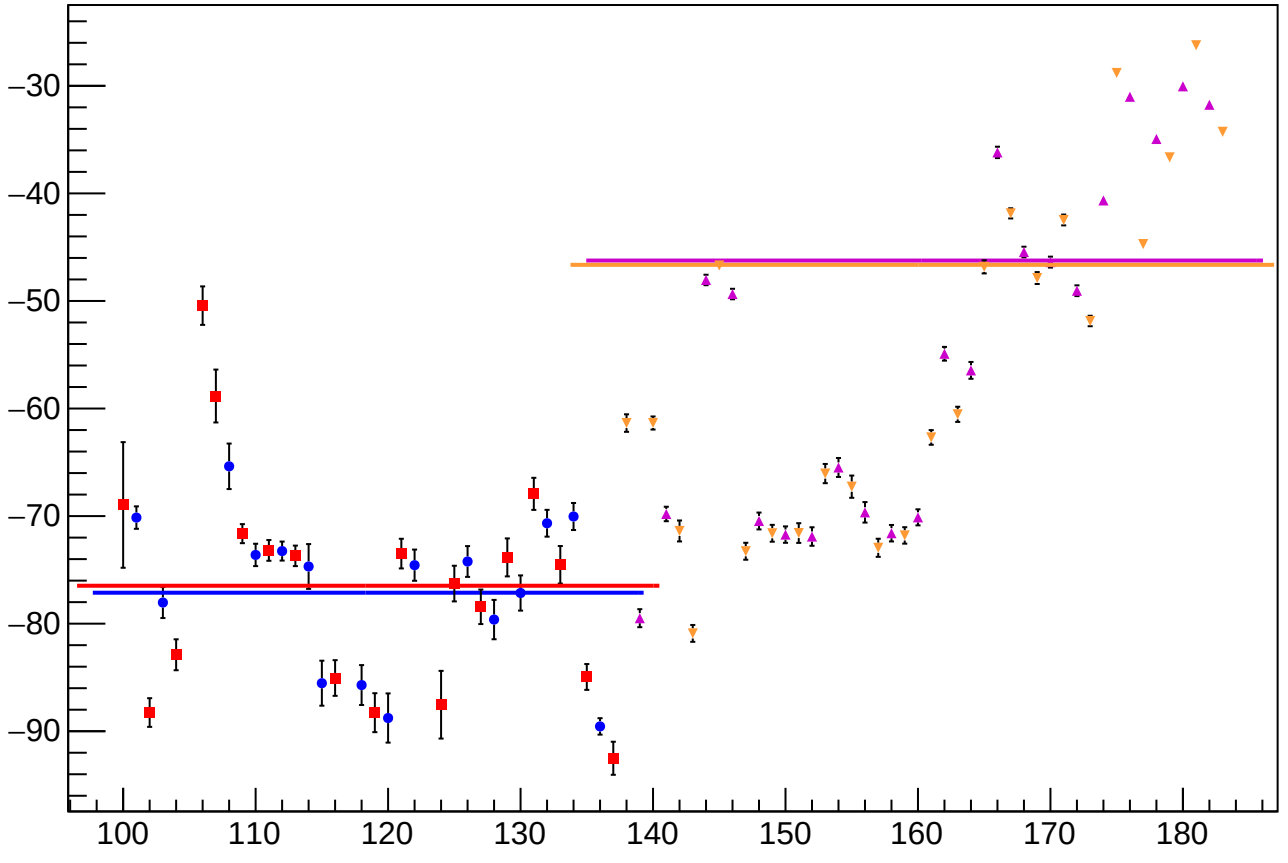
Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 6.270+/-0.092 χ^2/NDF:3283.0/21

+ sign 6.580+/-0.087 χ^2/NDF: 4919.0/39

All: 6.299+/-0.062 χ^2/NDF: 8472.5/80

- sign 6.011+/-0.088 χ^2/NDF: 3532.6/40



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -46.641+/-0.115 χ^2/NDF:17777.4/23

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

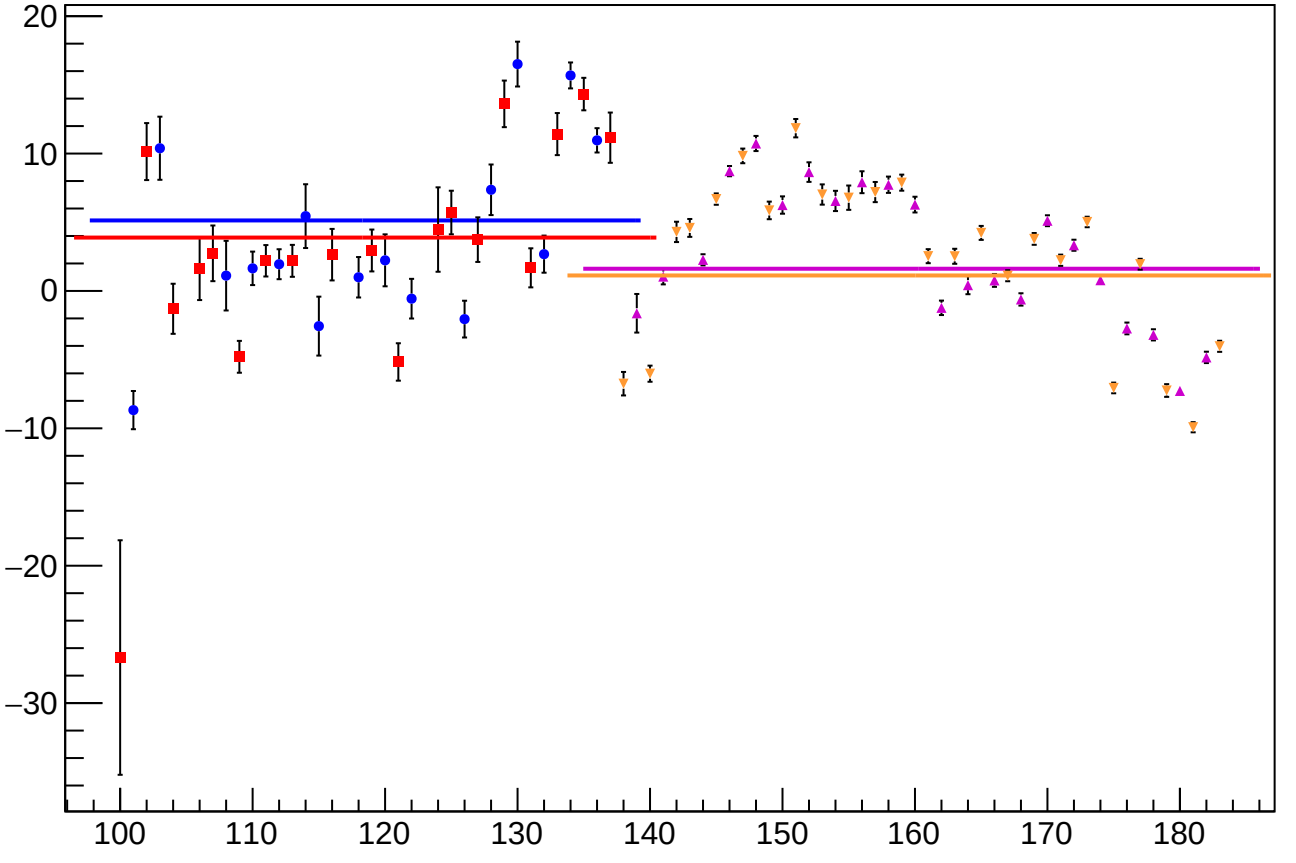
Left In: -46.242+/-0.118 χ^2/NDF:15168.9/21

+ sign -50.019+/-0.109 χ^2/NDF: 26041.1/39

All: -49.852+/-0.078 χ^2/NDF: 49418.7/80

- sign -49.679+/-0.111 χ^2/NDF: 23372.8/40

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 1.127+/-0.102 χ^2/NDF:3368.8/23

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

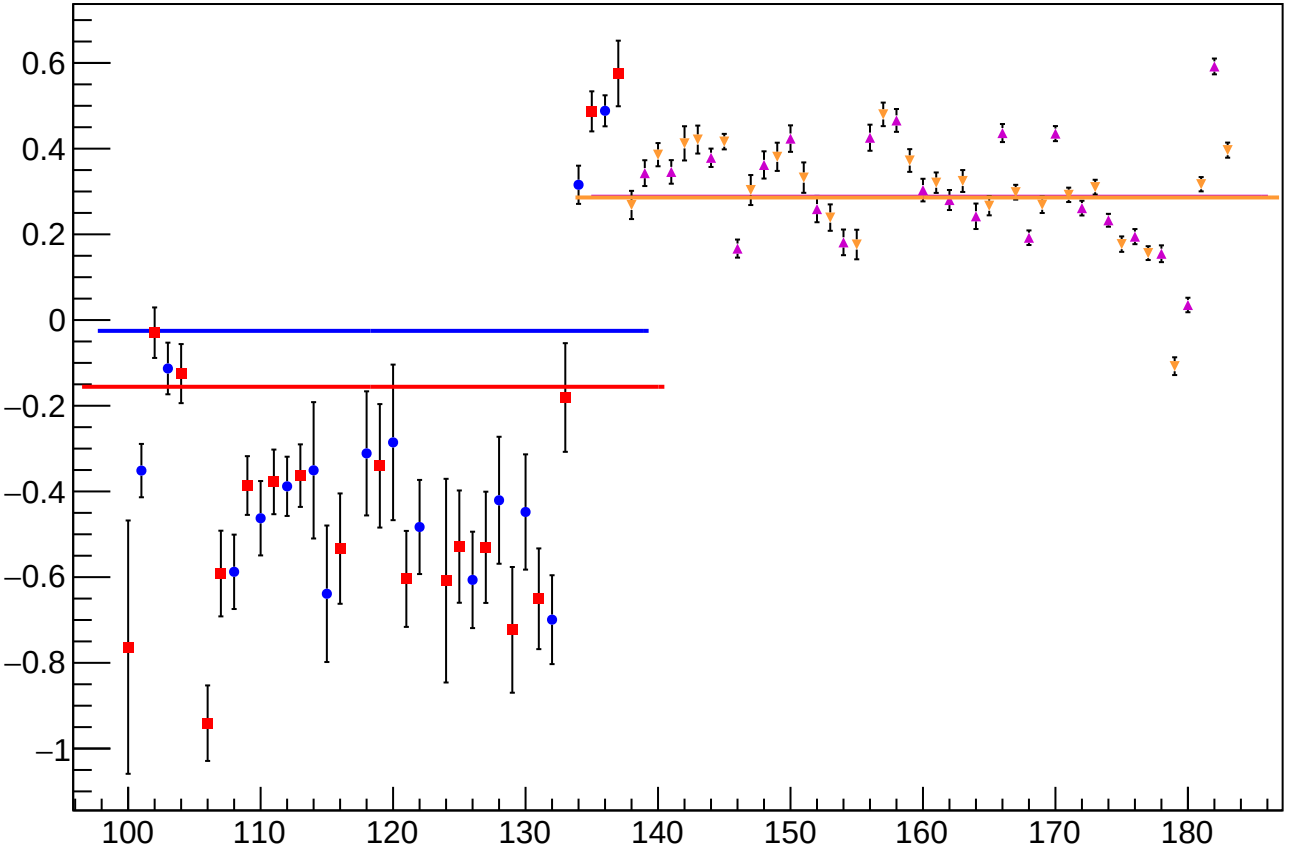
Left In: 1.616+/-0.103 χ^2/NDF:2314.0/21

+ sign 1.438+/-0.098 χ^2/NDF: 3902.1/39

All: 1.610+/-0.069 χ^2/NDF: 6550.3/80

- sign 1.786+/-0.099 χ^2/NDF: 2641.9/40

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.286+/-0.005 χ^2/NDF:689.0/23

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

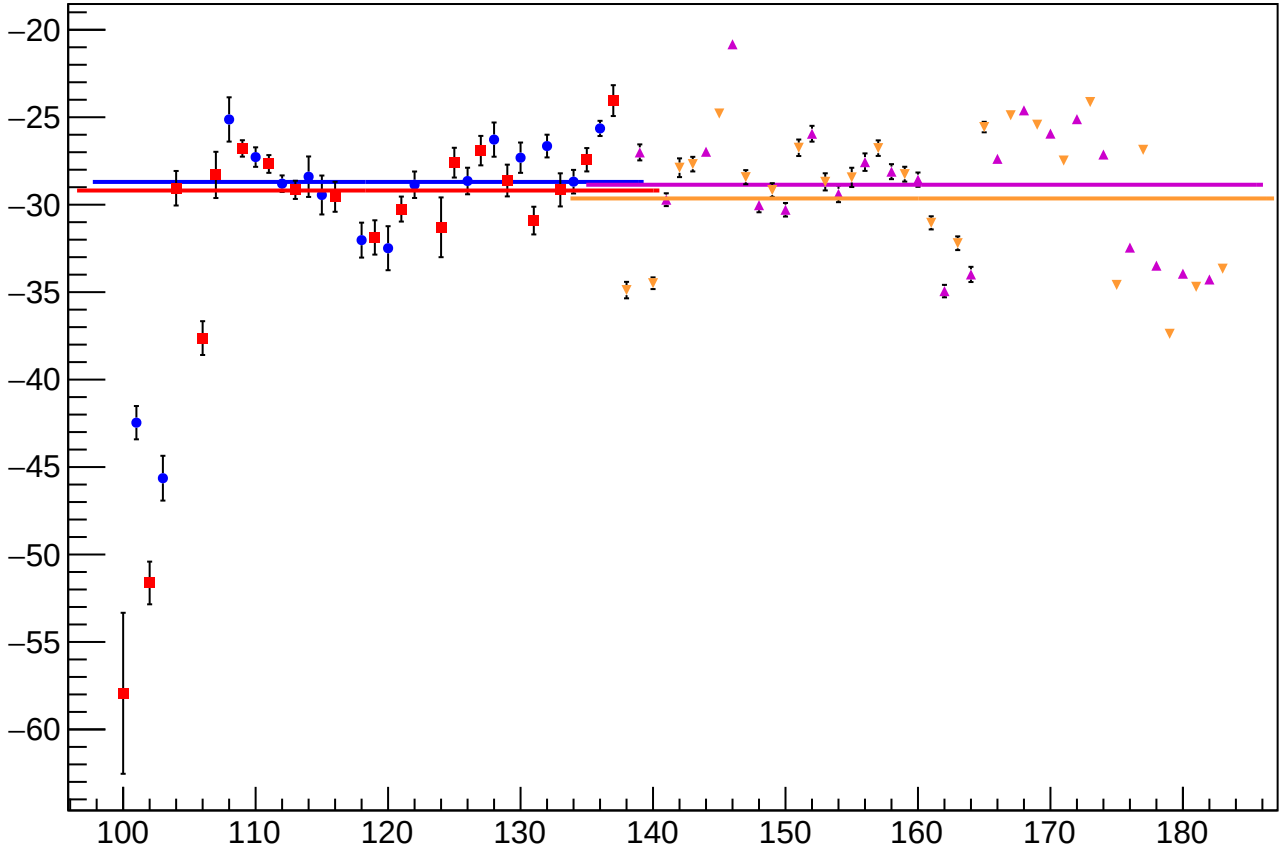
Left In: 0.288+/-0.005 χ^2/NDF:900.1/21

+ sign 0.269+/-0.004 χ^2/NDF: 1456.8/39

All: 0.267+/-0.003 χ^2/NDF: 3309.7/80

- sign 0.266+/-0.005 χ^2/NDF: 1852.6/40

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -29.643+/-0.057 χ^2/NDF:5880.4/23

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

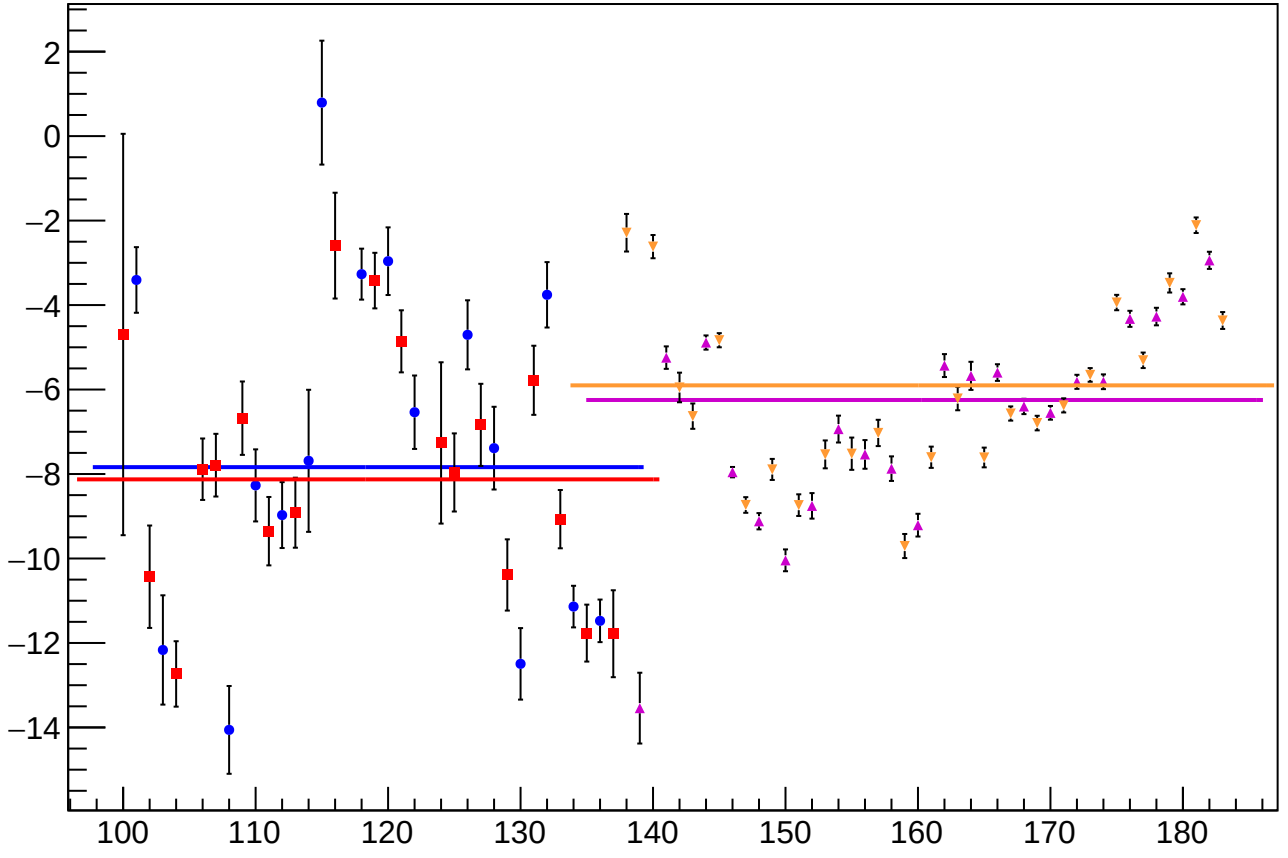
Left In: -28.859+/-0.058 χ^2/NDF:5172.5/21

+ sign -29.562+/-0.055 χ^2/NDF: 6391.3/39

All: -29.228+/-0.039 χ^2/NDF: 12199.7/80

- sign -28.890+/-0.055 χ^2/NDF: 5732.9/40

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -5.901+/-0.045 χ^2/NDF:1785.5/23

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

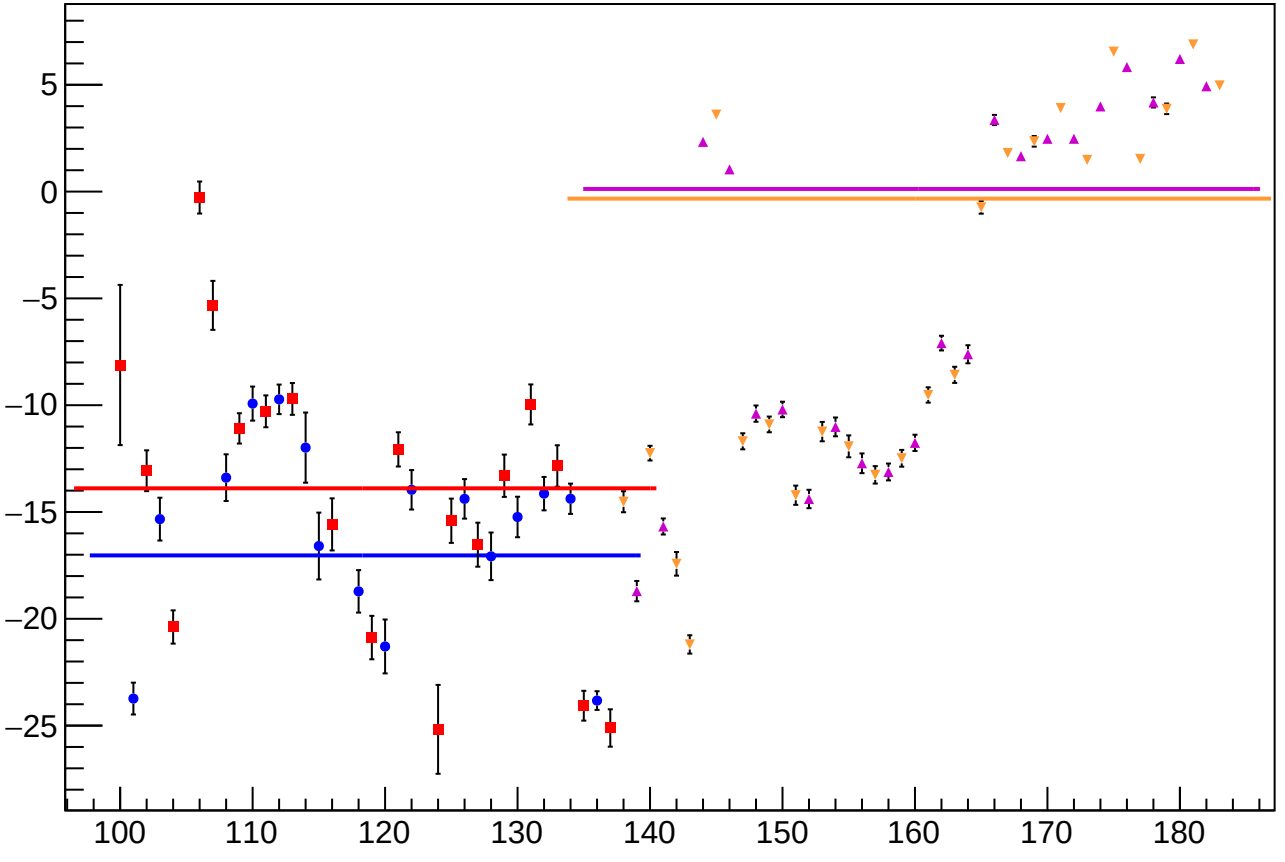
Left In: -6.247+/-0.044 χ^2/NDF:1707.9/21

+ sign -5.999+/-0.044 χ^2/NDF: 2262.3/39

All: -6.170+/-0.031 χ^2/NDF: 4284.9/80

- sign -6.339+/-0.043 χ^2/NDF: 1992.1/40

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -0.329+/-0.057 χ^2/NDF:17174.4/23

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

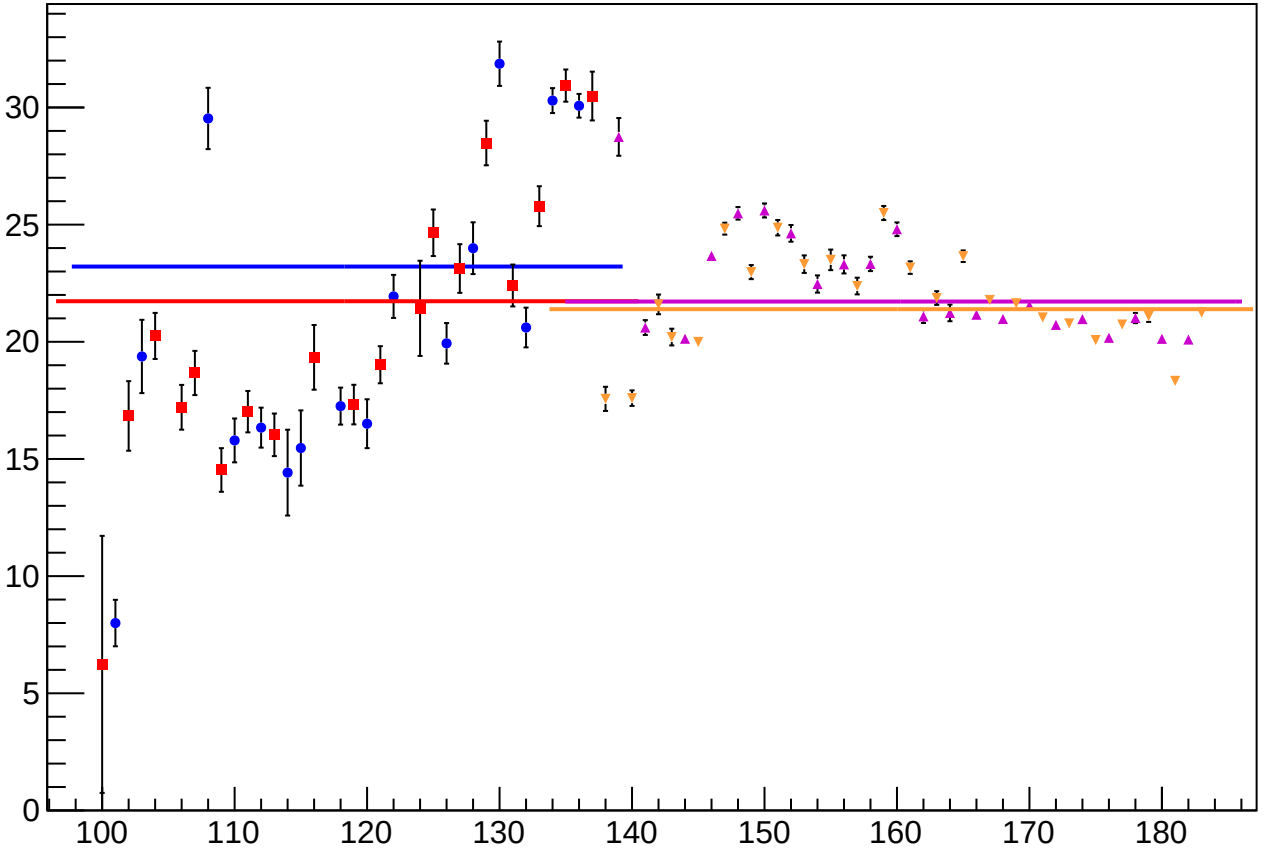
Left In: 0.124+/-0.058 χ^2/NDF:13838.6/21

+ sign -1.489+/-0.055 χ^2/NDF: 23698.4/39

All: -1.178+/-0.039 χ^2/NDF: 42786.2/80

- sign -0.862+/-0.056 χ^2/NDF: 19023.7/40

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.392+/-0.050 χ^2/NDF:1273.1/23

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

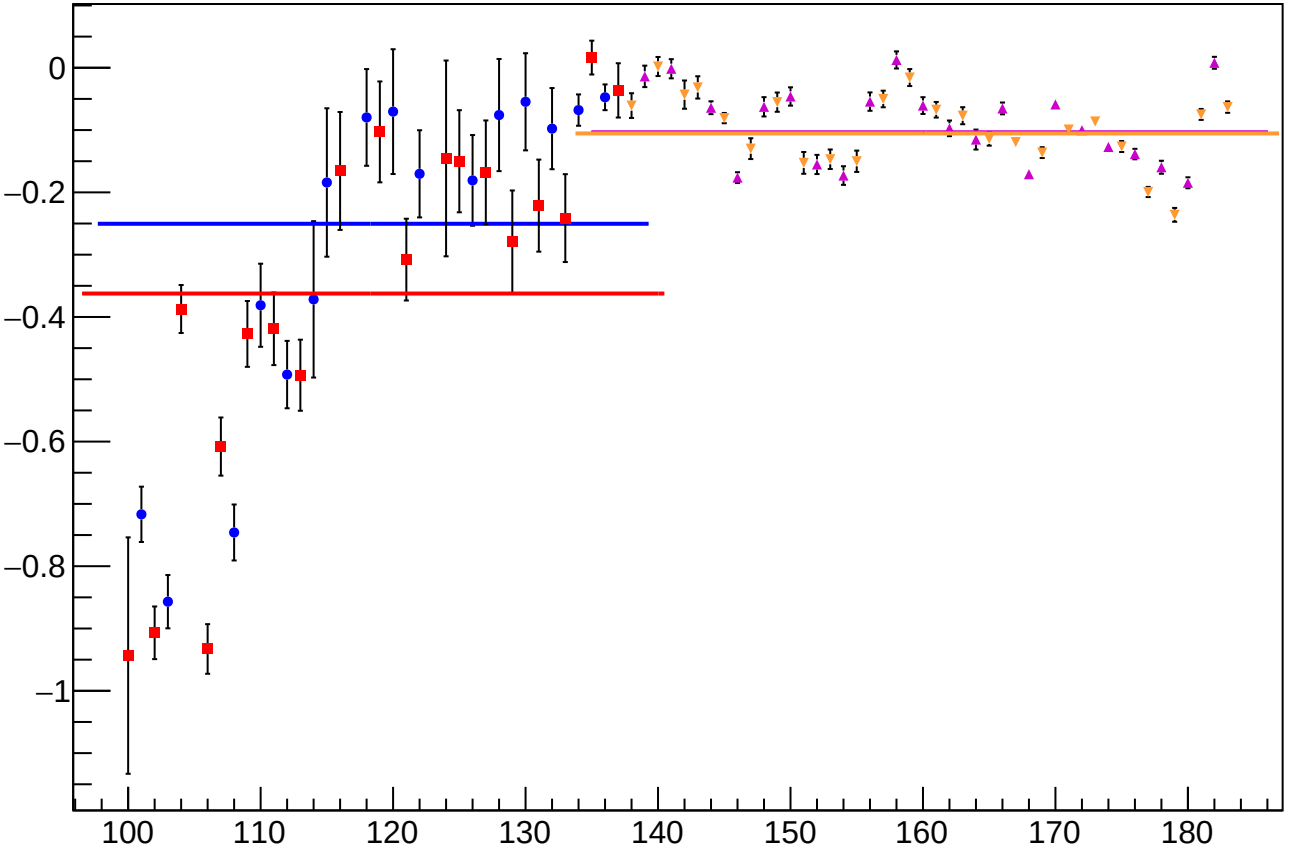
Left In: 21.718+/-0.050 χ^2/NDF:1172.4/21

+ sign 21.484+/-0.049 χ^2/NDF: 2347.4/39

All: 21.601+/-0.035 χ^2/NDF: 4089.6/80

- sign 21.719+/-0.049 χ^2/NDF: 1730.6/40

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.105+/-0.002 χ^2/NDF:528.6/23

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

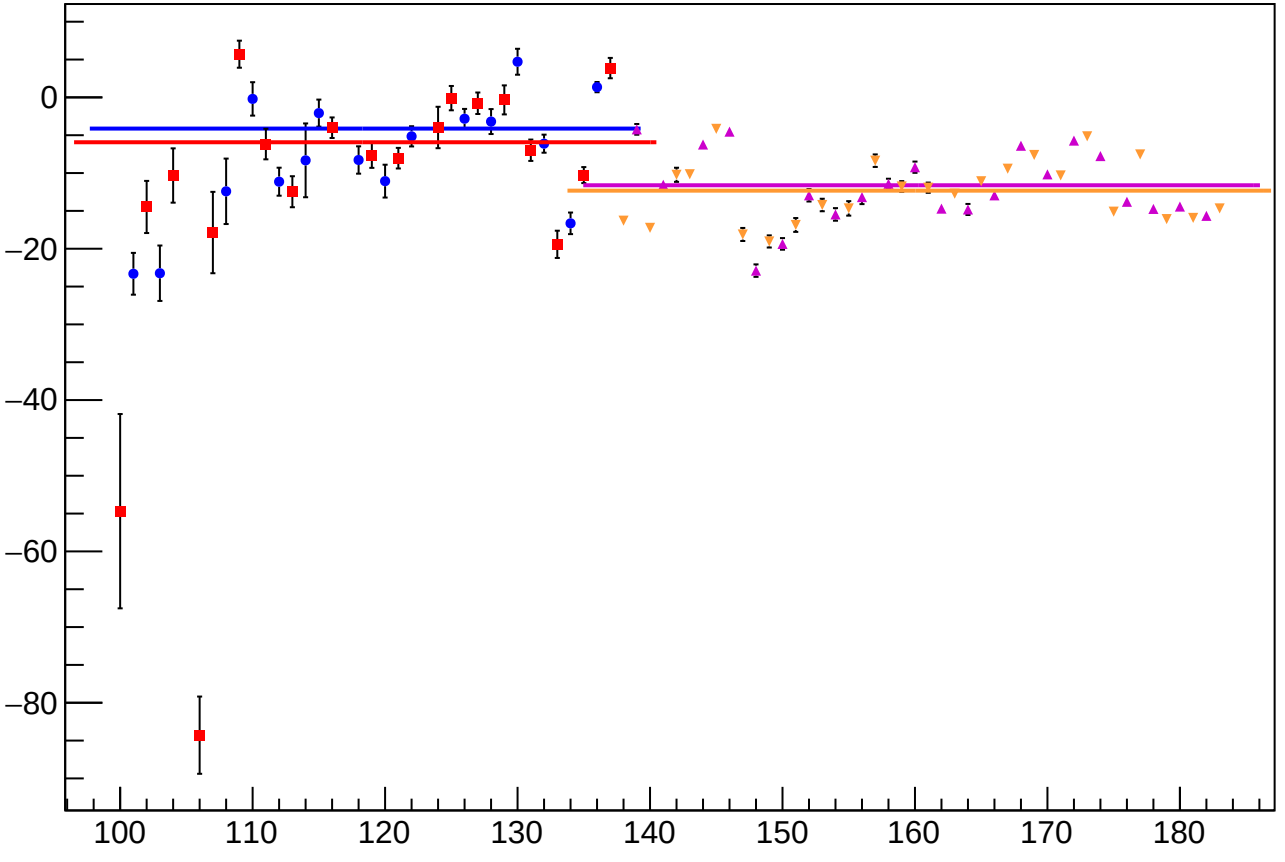
Left In: -0.104+/-0.002 χ^2/NDF:701.2/21

+ sign -0.111+/-0.002 χ^2/NDF: 1311.3/39

All: -0.111+/-0.002 χ^2/NDF: 3142.4/80

- sign -0.112+/-0.002 χ^2/NDF: 1830.9/40

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -12.326+/-0.093 χ^2/NDF:1993.9/23

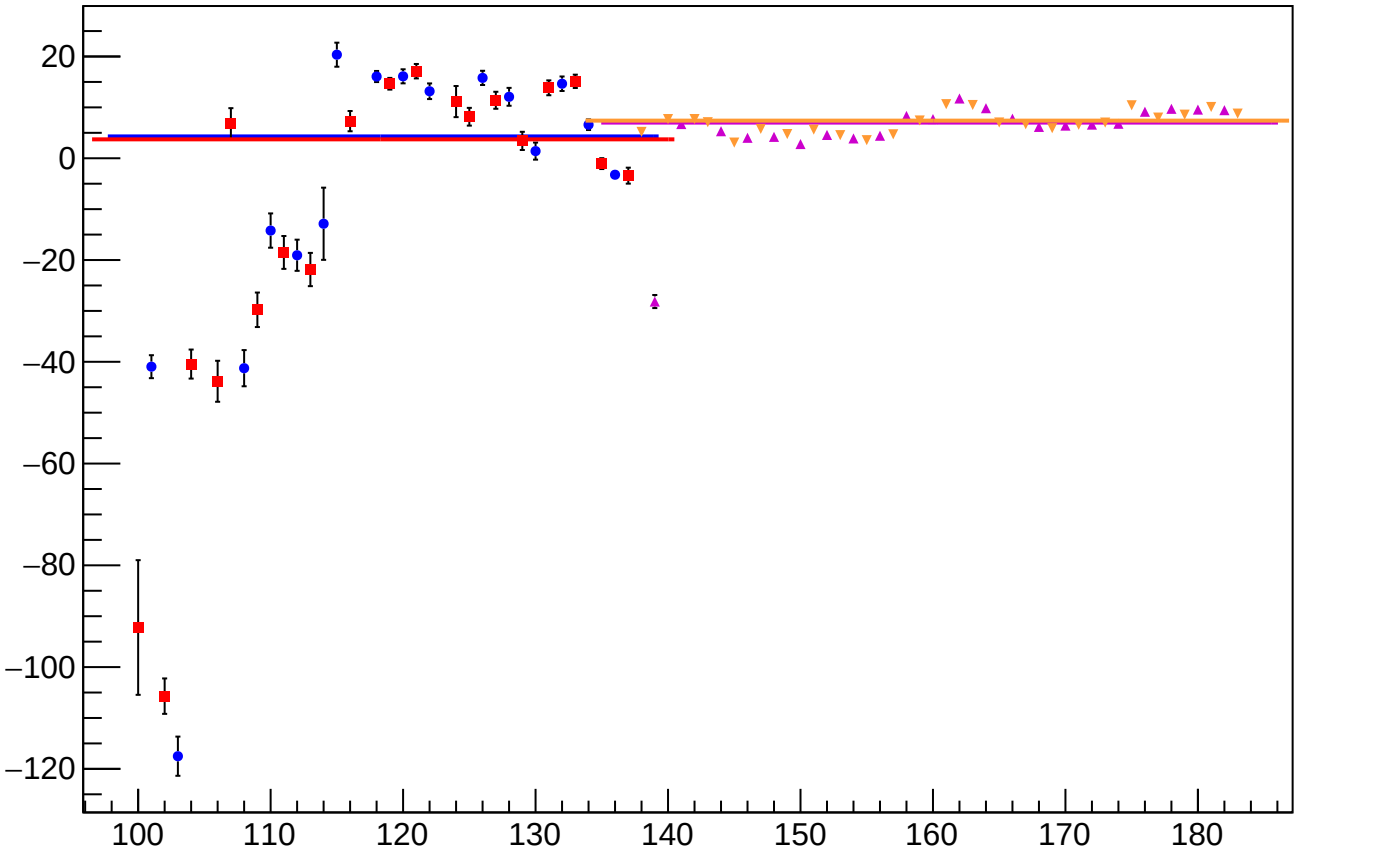
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -11.614+/-0.096 χ^2/NDF:1928.6/21

+ sign -11.868+/-0.090 χ^2/NDF: 2717.6/39

All: -11.602+/-0.065 χ^2/NDF: 5331.1/80

- sign -11.316+/-0.093 χ^2/NDF: 2595.4/40



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 7.396+/-0.076 χ^2/NDF:758.1/23

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

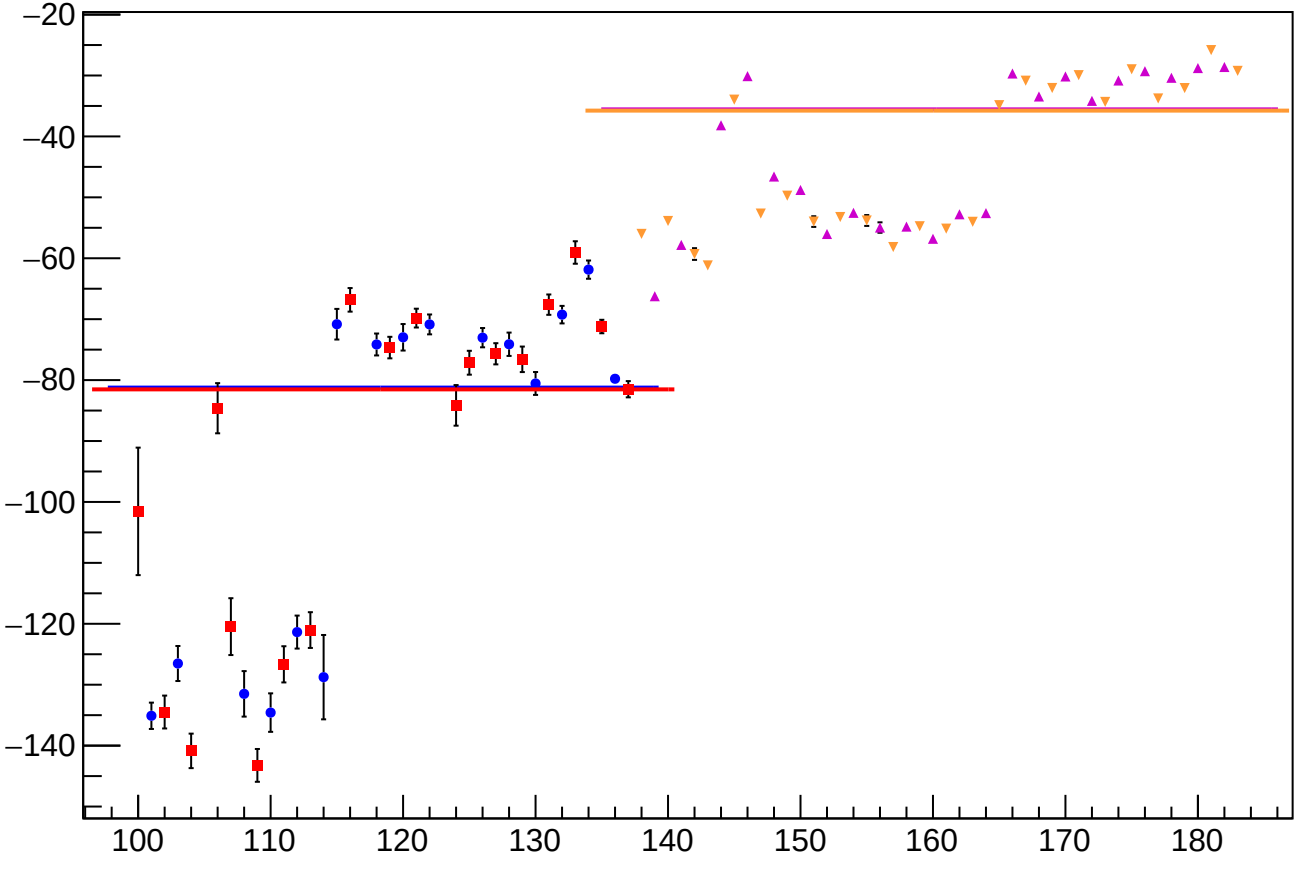
Left In: 7.011+/-0.077 χ^2/NDF:1575.7/21

+ sign 7.280+/-0.075 χ^2/NDF: 2989.7/39

All: 7.096+/-0.053 χ^2/NDF: 6643.9/80

- sign 6.905+/-0.076 χ^2/NDF: 3641.8/40

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -35.764+/-0.094 χ^2/NDF:12755.3/23

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

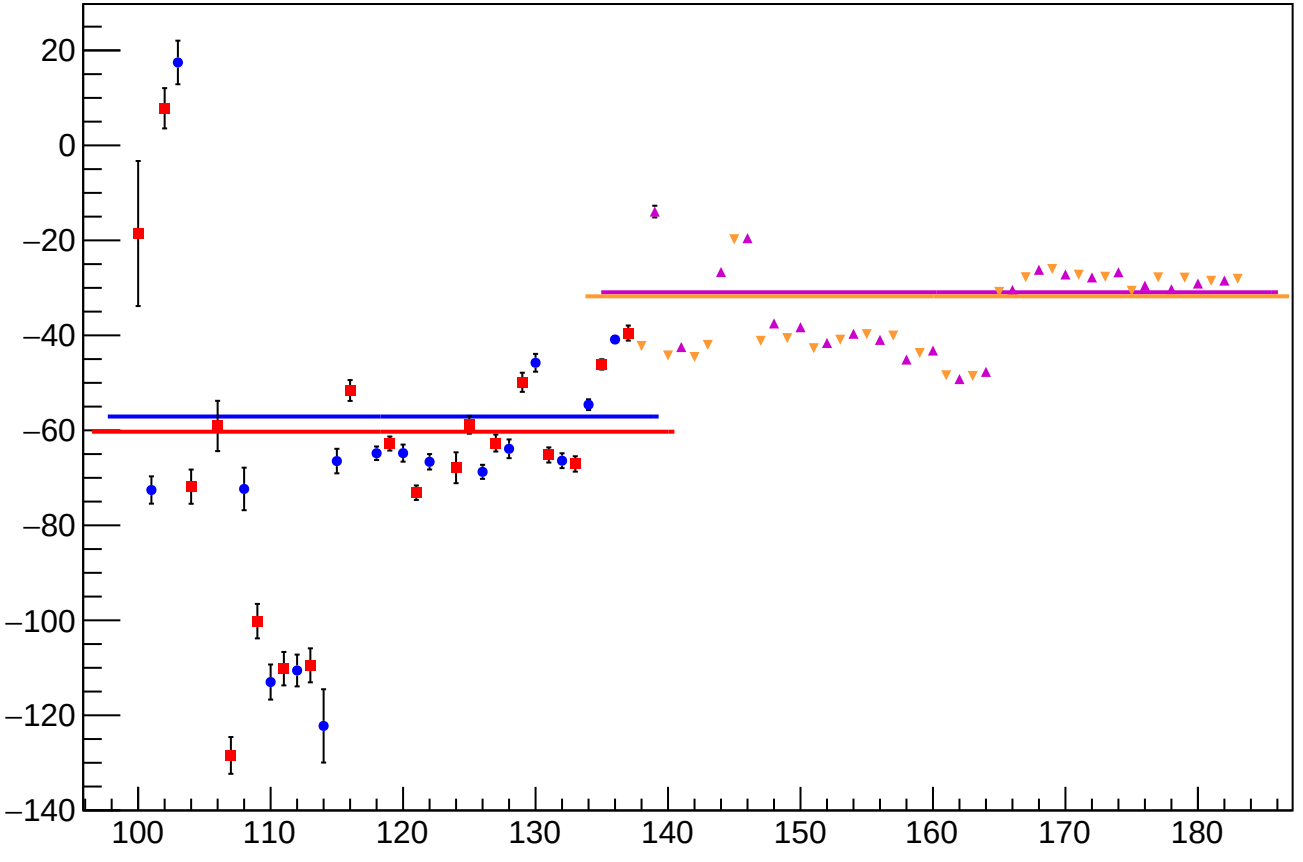
Left In: -35.558+/-0.096 χ^2/NDF:11149.2/21

+ sign -37.942+/-0.091 χ^2/NDF: 26054.4/39

All: -37.713+/-0.066 χ^2/NDF: 49013.0/80

- sign -37.470+/-0.094 χ^2/NDF: 22945.7/40

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -31.779+/-0.084 χ^2/NDF:8123.6/23

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

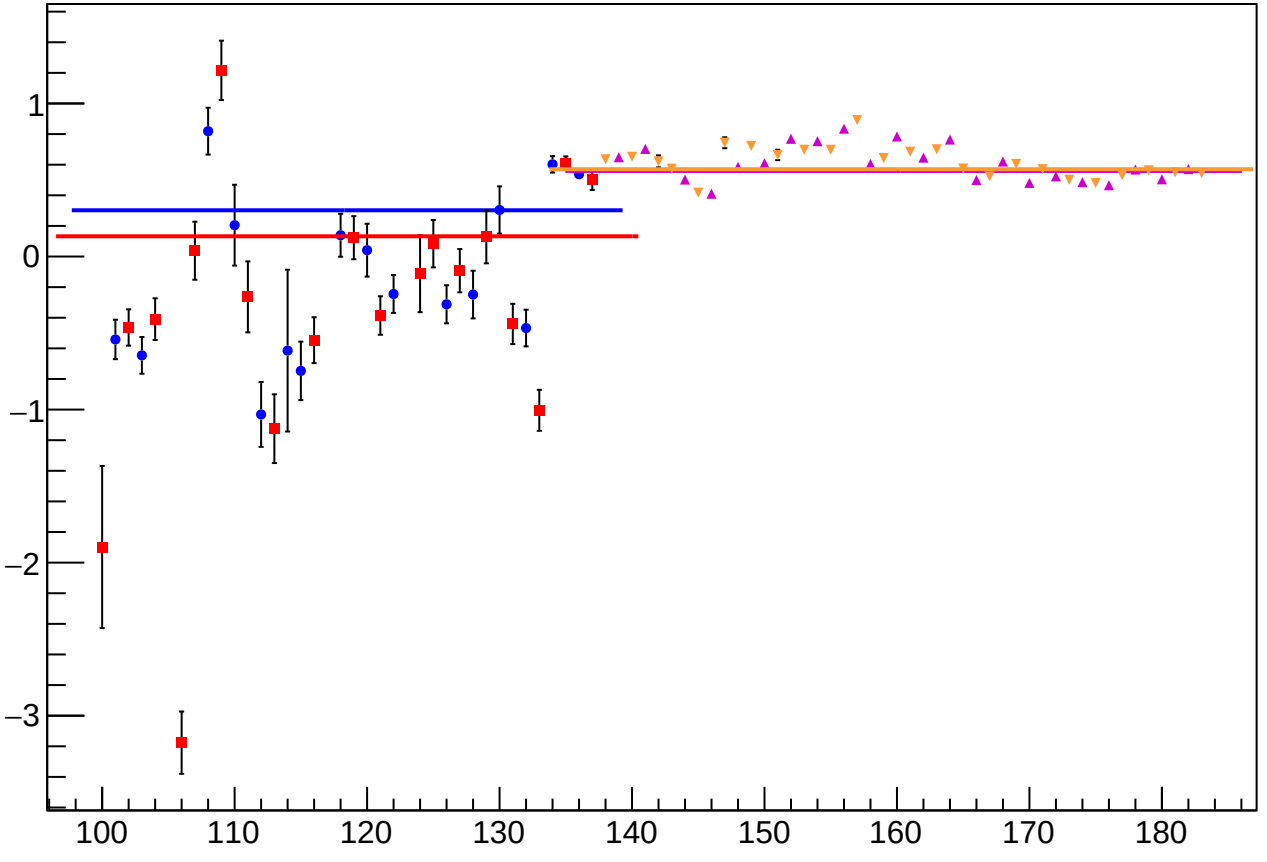
Left In: -30.932+/-0.085 χ^2/NDF:7442.4/21

+ sign -32.727+/-0.082 χ^2/NDF: 13052.3/39

All: -32.308+/-0.059 χ^2/NDF: 25911.3/80

- sign -31.871+/-0.084 χ^2/NDF: 12806.1/40

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.571+/-0.004 χ^2/NDF:543.8/23

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

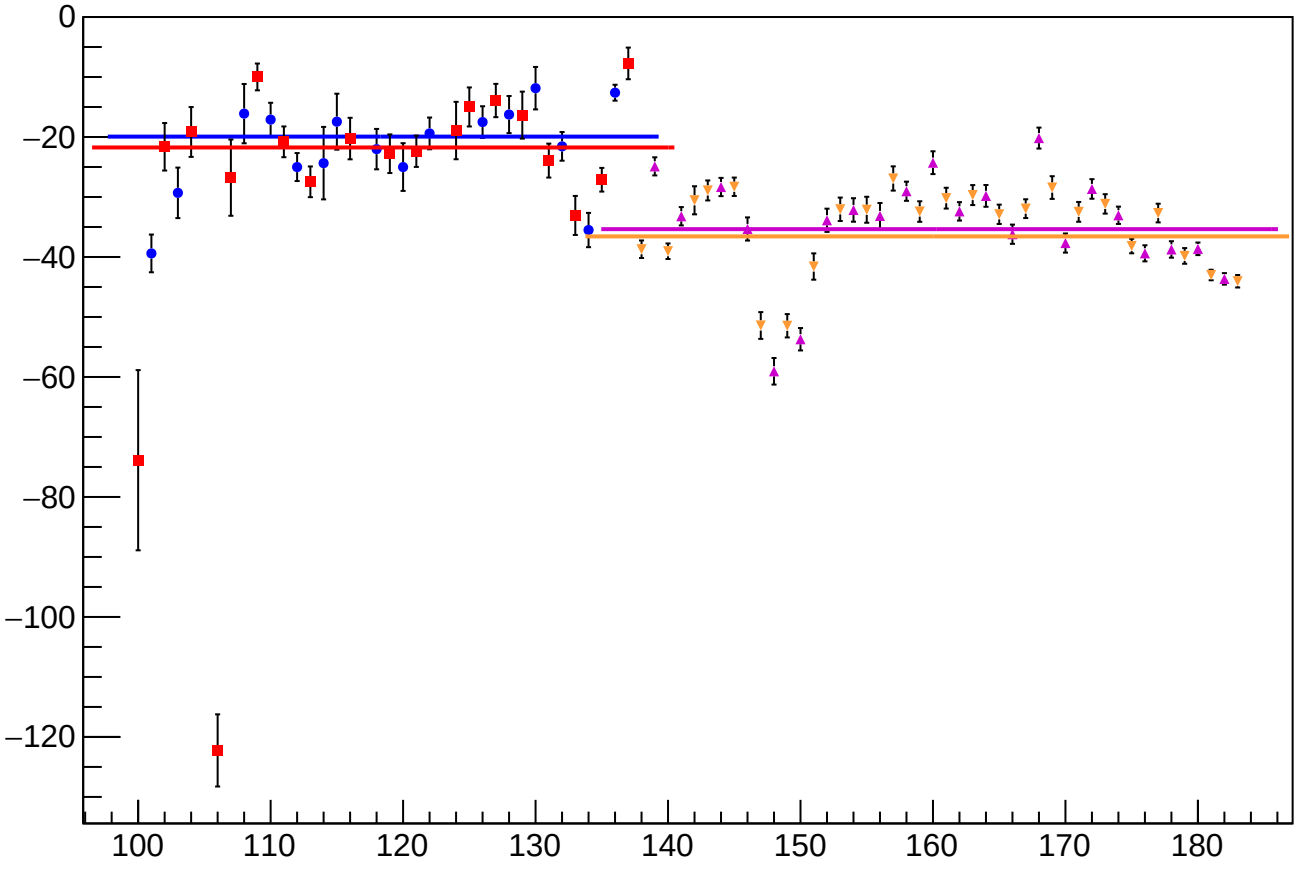
Left In: 0.559+/-0.004 χ^2/NDF:670.1/21

+ sign 0.564+/-0.004 χ^2/NDF: 1051.8/39

All: 0.557+/-0.003 χ^2/NDF: 2654.8/80

- sign 0.550+/-0.004 χ^2/NDF: 1596.8/40

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -36.571+/-0.313 χ^2/NDF:408.9/23

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

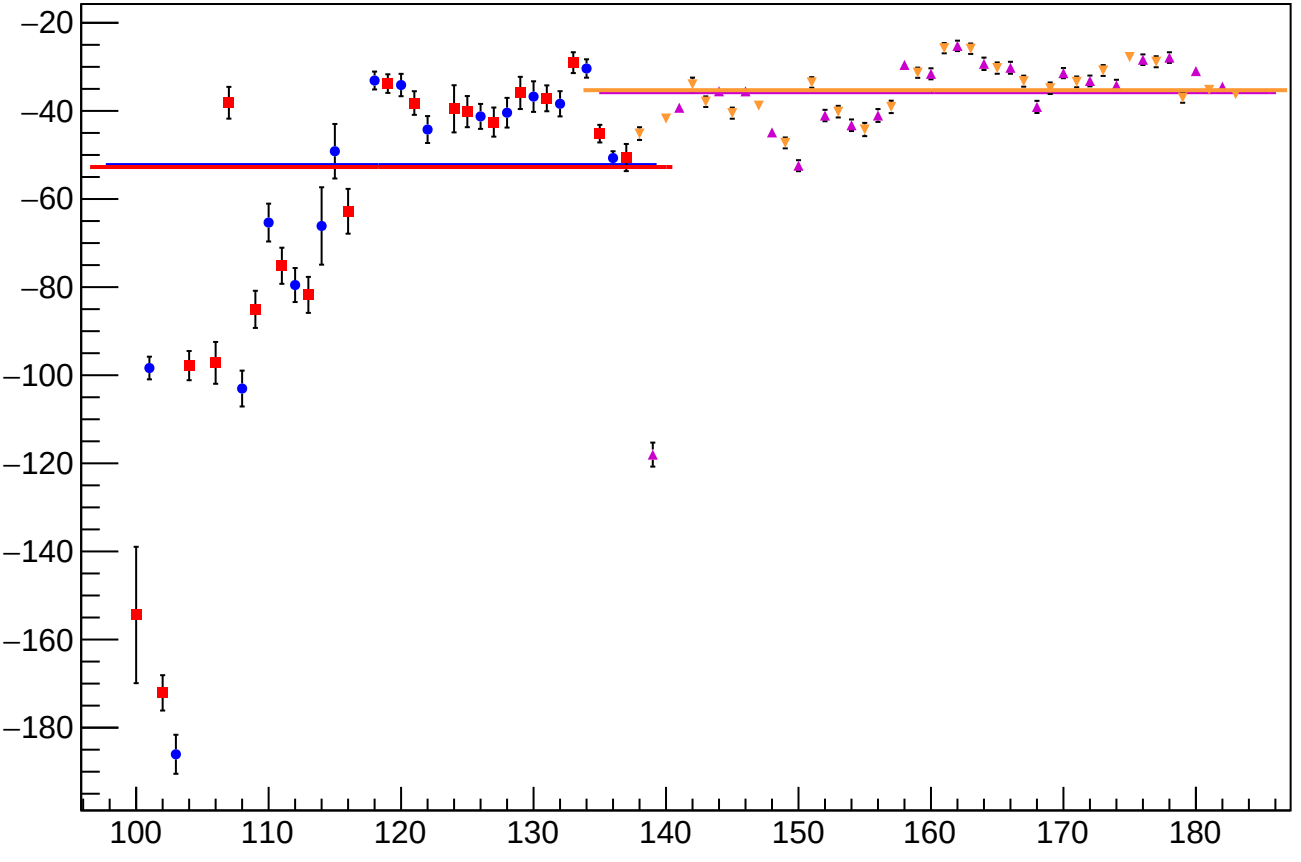
Left In: -35.359+/-0.329 χ^2/NDF:546.3/21

+ sign -33.758+/-0.286 χ^2/NDF: 1005.8/39

All: -33.384+/-0.206 χ^2/NDF: 2244.2/80

- sign -32.974+/-0.299 χ^2/NDF: 1234.7/40

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.293+/-0.247 χ^2/NDF:516.7/23

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

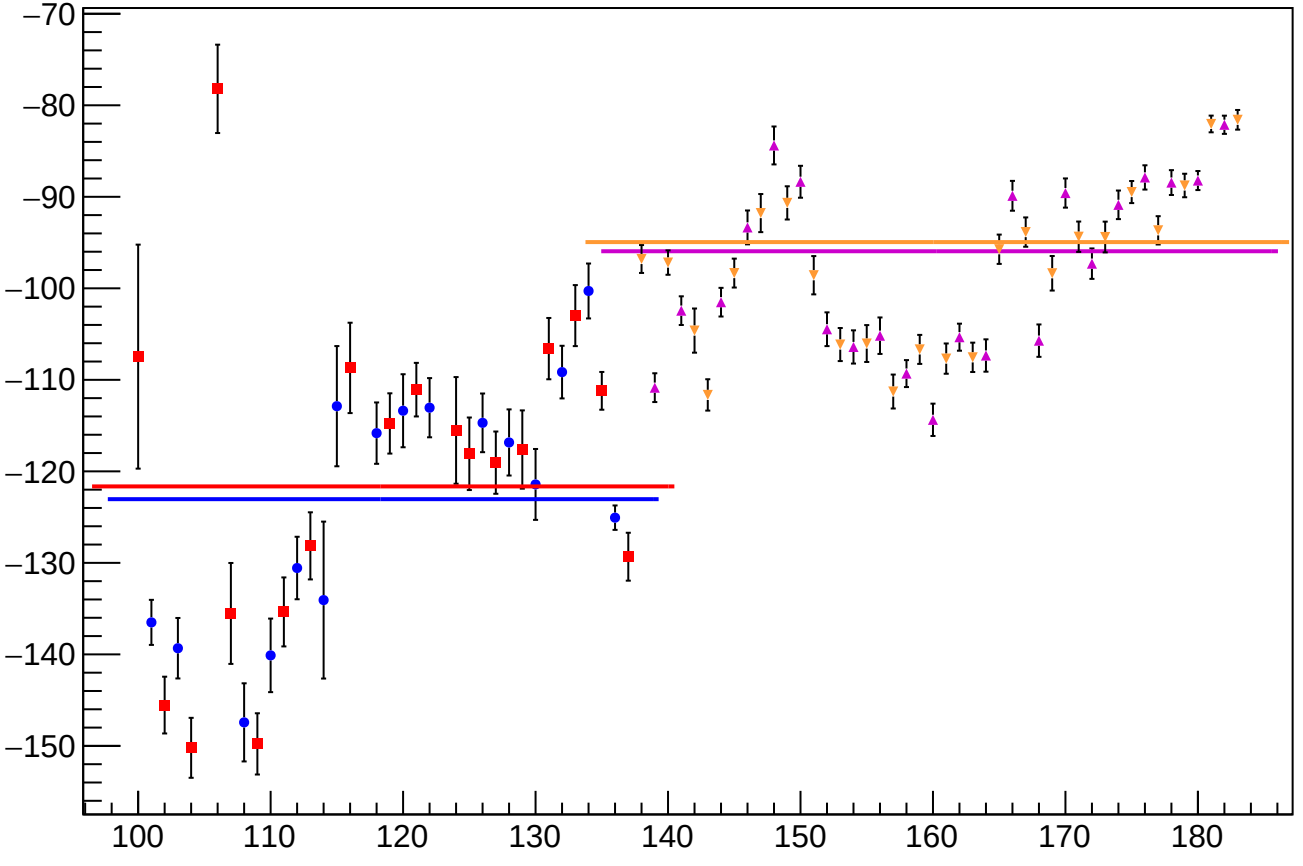
Left In: -35.749+/-0.259 χ^2/NDF:1526.3/21

+ sign -37.138+/-0.233 χ^2/NDF: 2809.0/39

All: -37.343+/-0.169 χ^2/NDF: 6459.6/80

- sign -37.570+/-0.245 χ^2/NDF: 3649.0/40

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -94.948+/-0.313 χ^2/NDF:856.0/23

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

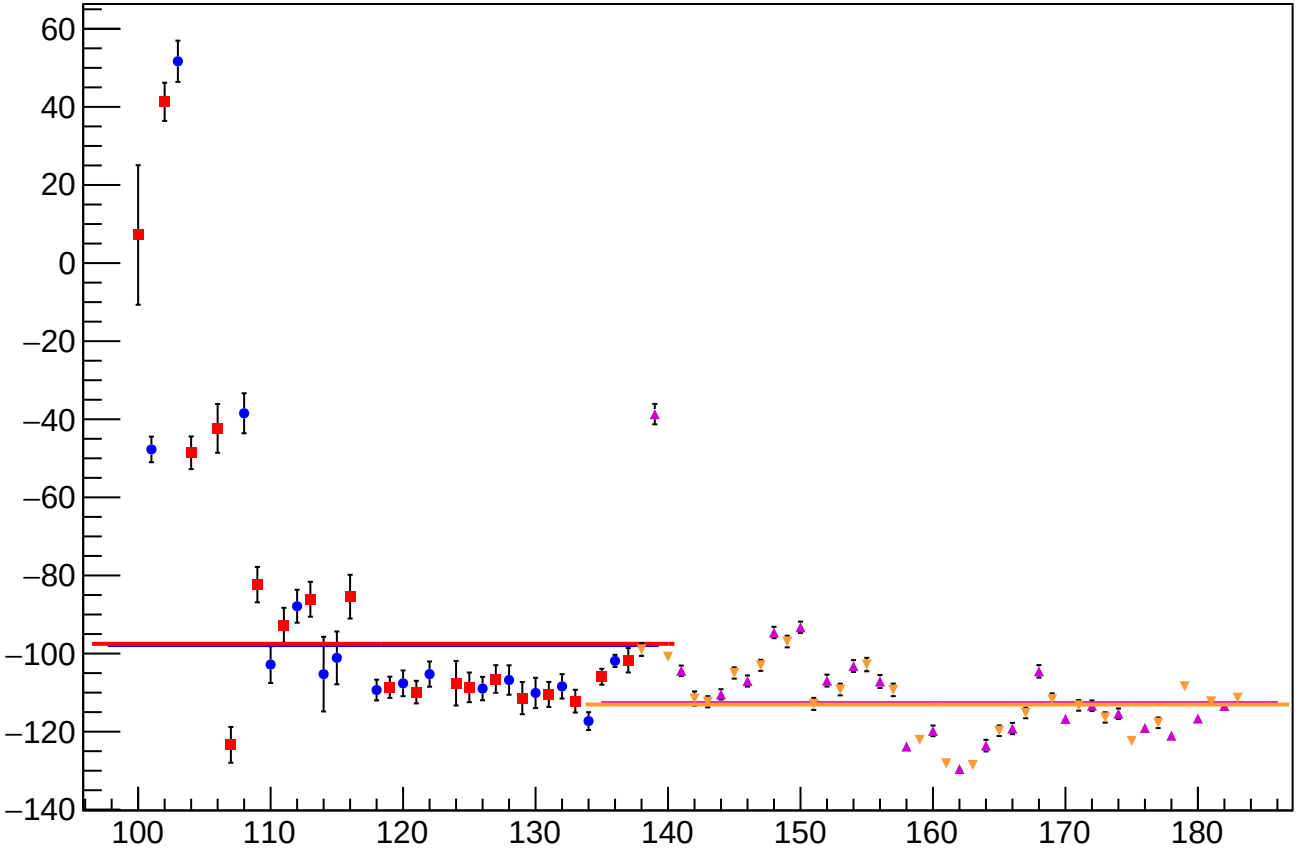
Left In: -95.949+/-0.326 χ^2/NDF:907.8/21

+ sign -99.109+/-0.289 χ^2/NDF: 2277.9/39

All: -99.347+/-0.209 χ^2/NDF: 4493.8/80

- sign -99.607+/-0.302 χ^2/NDF: 2214.5/40

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.050+/-0.277 χ^2/NDF:891.5/23

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

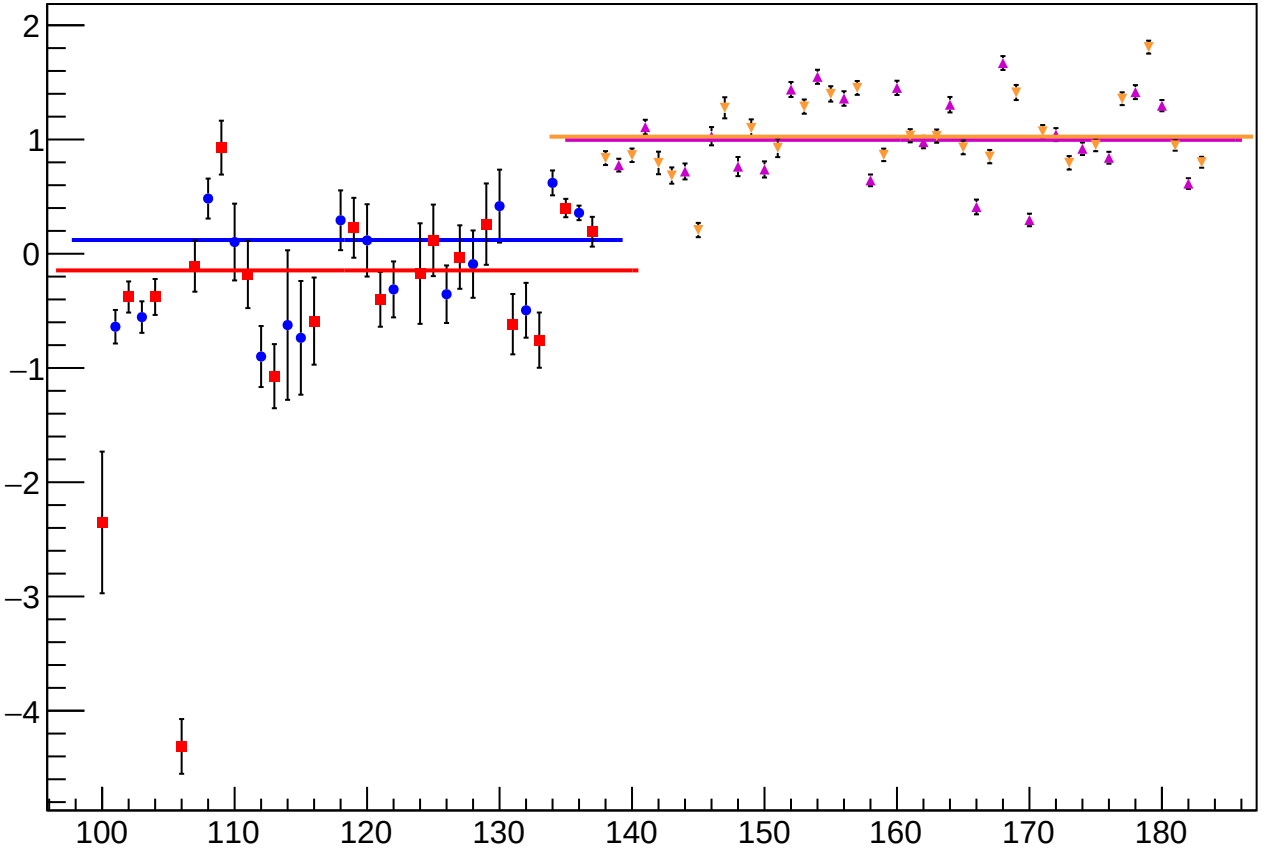
Left In: -112.700+/-0.289 χ^2/NDF:1763.0/21

+ sign -111.397+/-0.261 χ^2/NDF: 2551.4/39

All: -111.257+/-0.189 χ^2/NDF: 5842.5/80

- sign -111.105+/-0.273 χ^2/NDF: 3290.5/40

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 1.025+/-0.012 χ^2/NDF:646.1/23

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

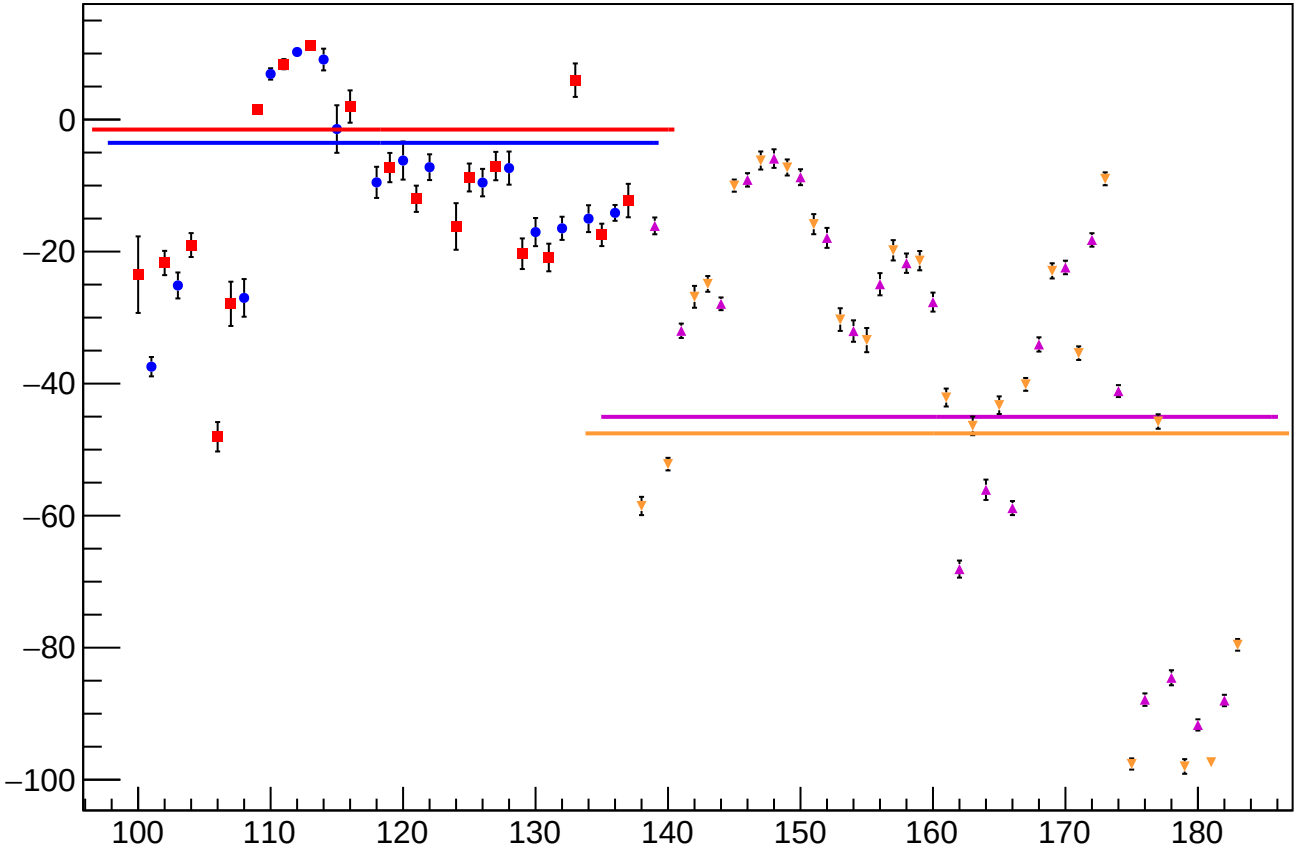
Left In: 0.997+/-0.013 χ^2/NDF:863.2/21

+ sign 0.950+/-0.012 χ^2/NDF: 1211.7/39

All: 0.931+/-0.009 χ^2/NDF: 3101.1/80

- sign 0.912+/-0.012 χ^2/NDF: 1884.4/40

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -47.537+/-0.232 χ^2/NDF:19013.5/23

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

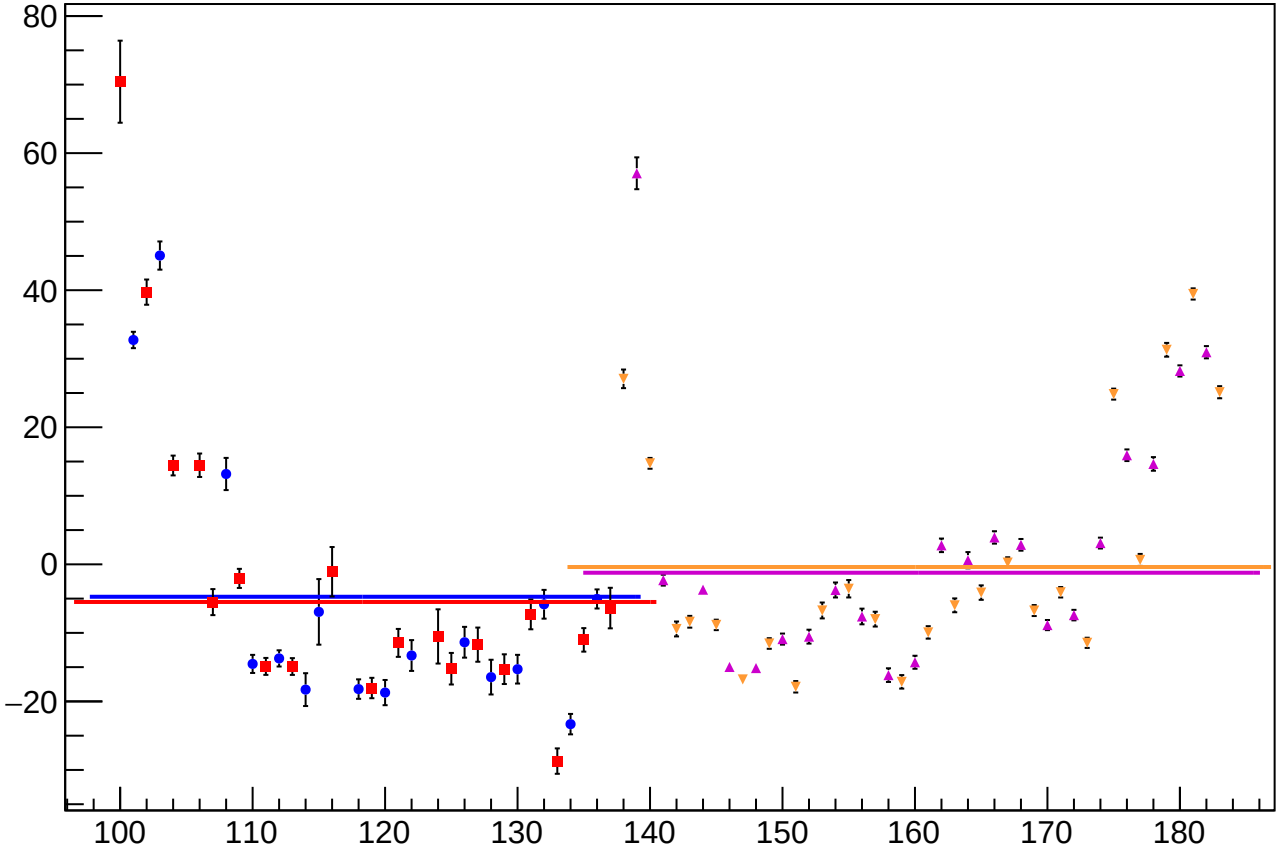
Left In: -45.034+/-0.240 χ^2/NDF:15407.0/21

+ sign -35.410+/-0.198 χ^2/NDF: 30427.2/39

All: -32.906+/-0.139 χ^2/NDF: 58670.3/80

- sign -30.449+/-0.196 χ^2/NDF: 27925.5/40

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -0.390+/-0.179 χ^2/NDF:8386.3/23

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

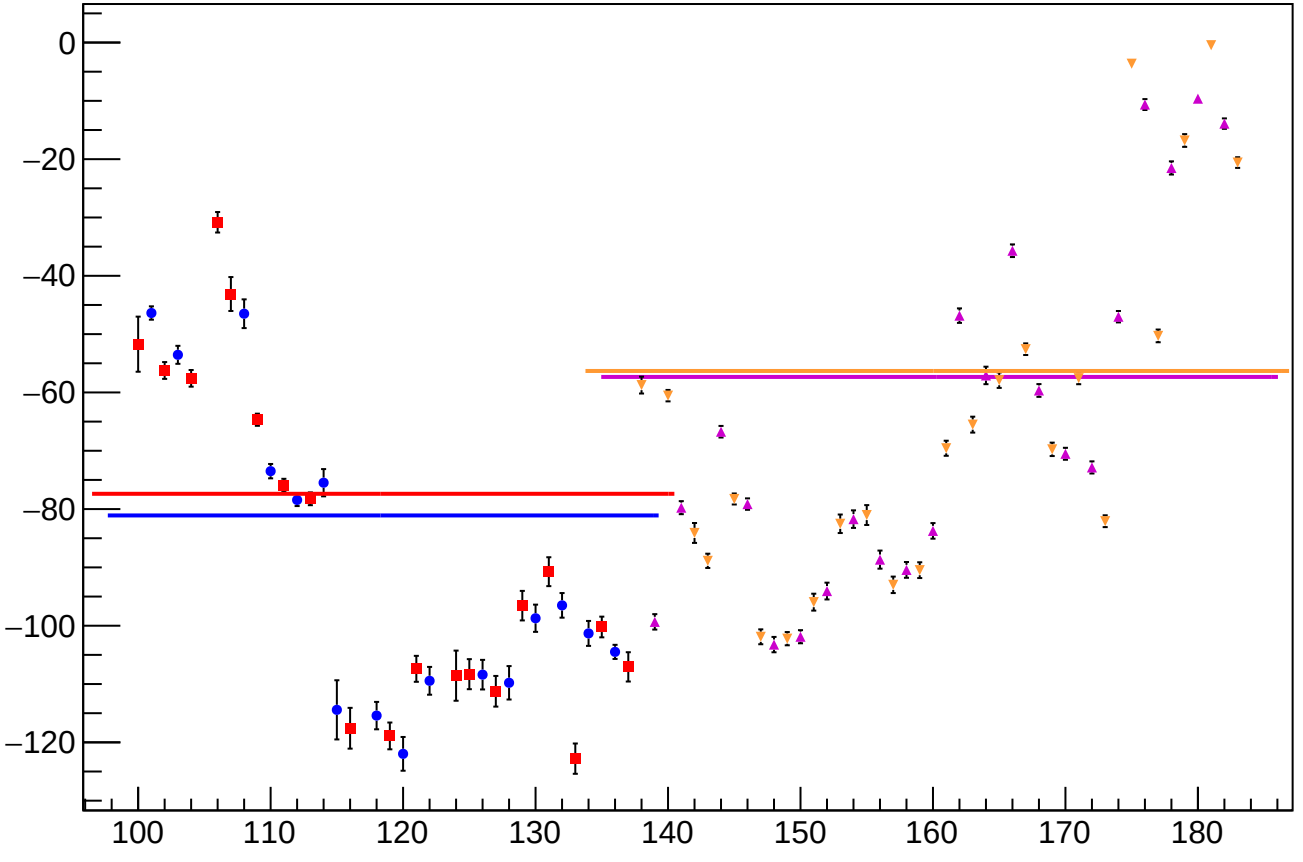
Left In: -1.225+/-0.184 χ^2/NDF:5784.8/21

+ sign -1.027+/-0.165 χ^2/NDF: 10620.9/39

All: -1.457+/-0.118 χ^2/NDF: 18014.0/80

- sign -1.908+/-0.169 χ^2/NDF: 7379.2/40

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -56.318+/-0.232 χ^2/NDF:19792.7/23

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

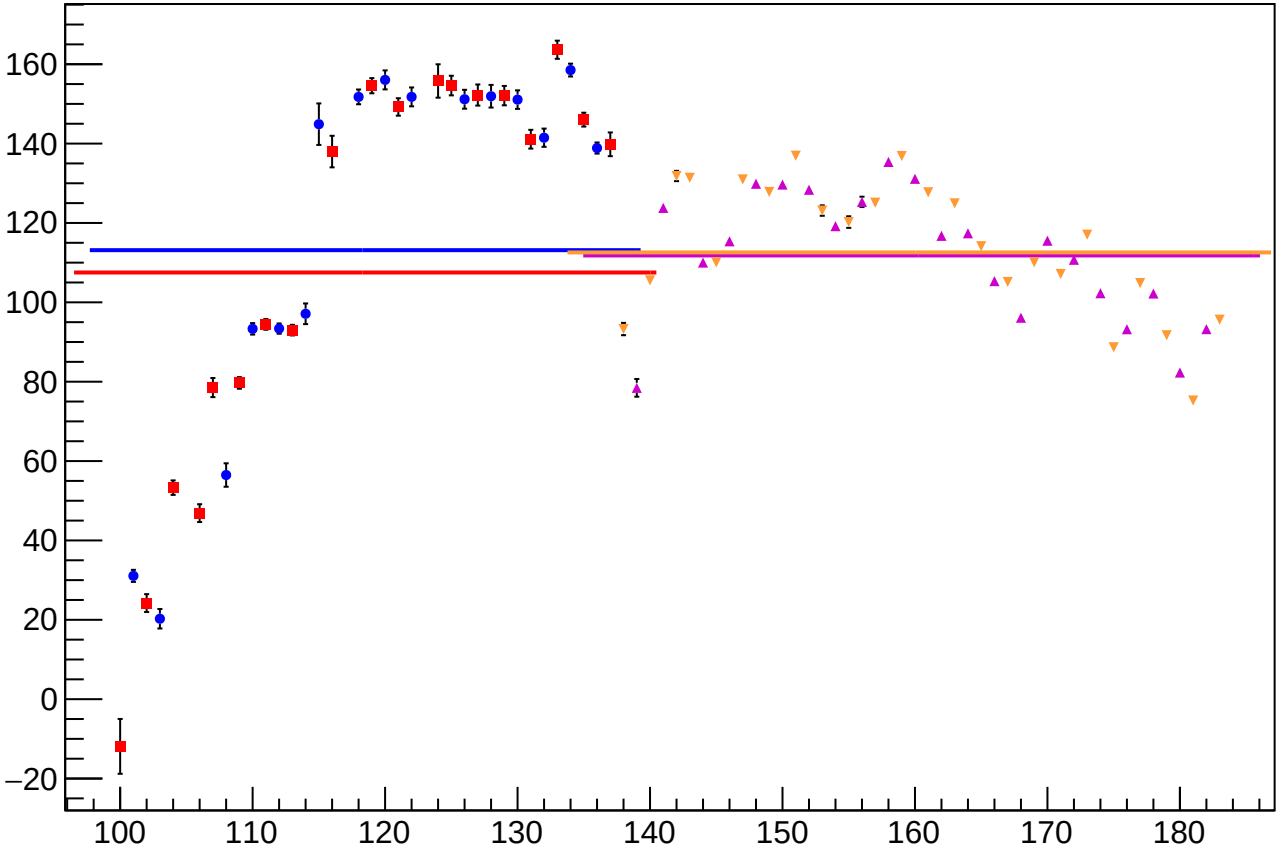
Left In: -57.341+/-0.239 χ^2/NDF:17113.2/21

+ sign -61.738+/-0.205 χ^2/NDF: 25157.8/39

All: -62.015+/-0.146 χ^2/NDF: 47143.5/80

- sign -62.299+/-0.207 χ^2/NDF: 21982.1/40

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 112.576+/-0.202 χ^2/NDF:6704.8/23

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

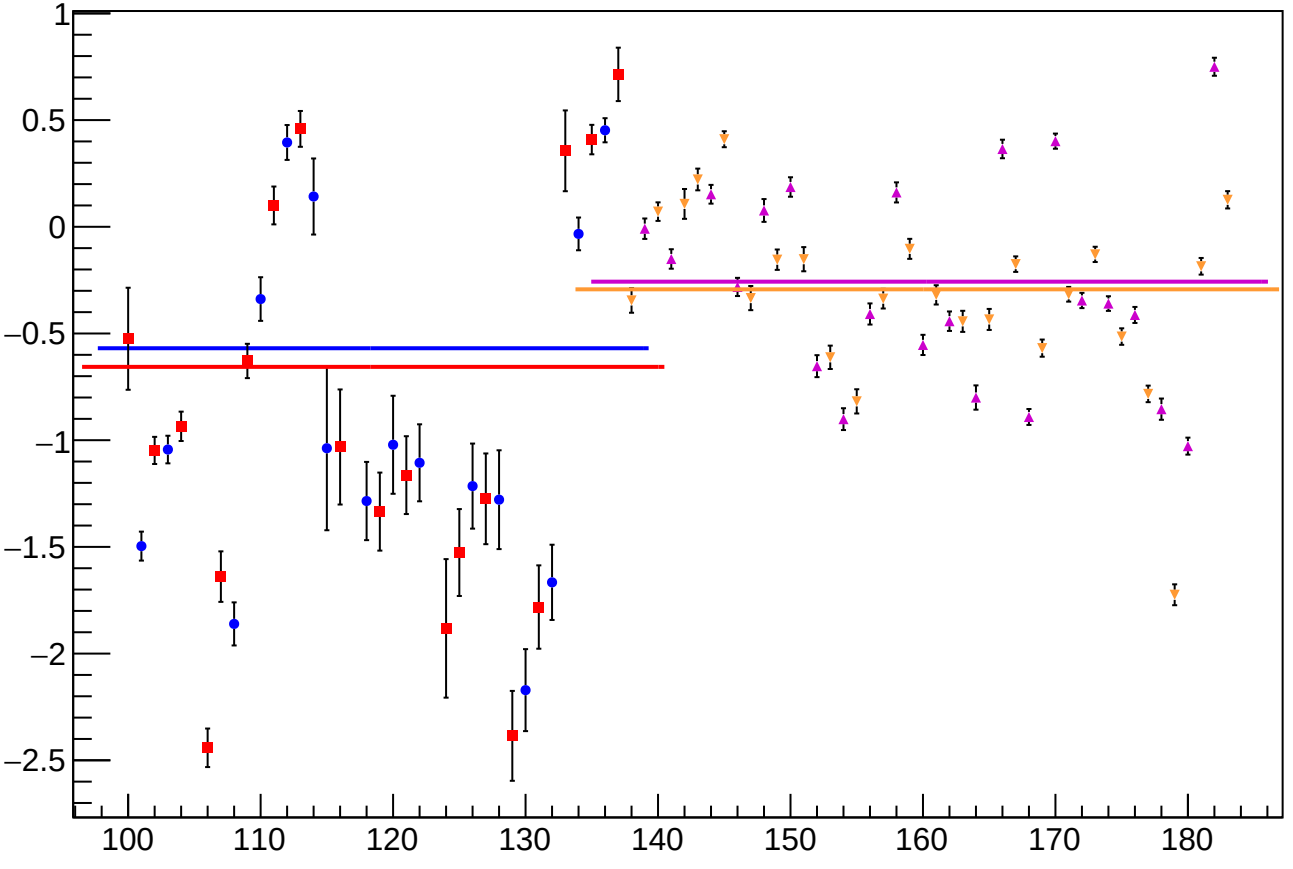
Left In: 111.813+/-0.208 χ^2/NDF:4884.0/21

+ sign 112.659+/-0.186 χ^2/NDF: 14910.0/39

All: 111.913+/-0.133 χ^2/NDF: 27438.4/80

- sign 111.134+/-0.191 χ^2/NDF: 12495.7/40

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.293+/-0.009 χ^2/NDF:1970.4/23

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

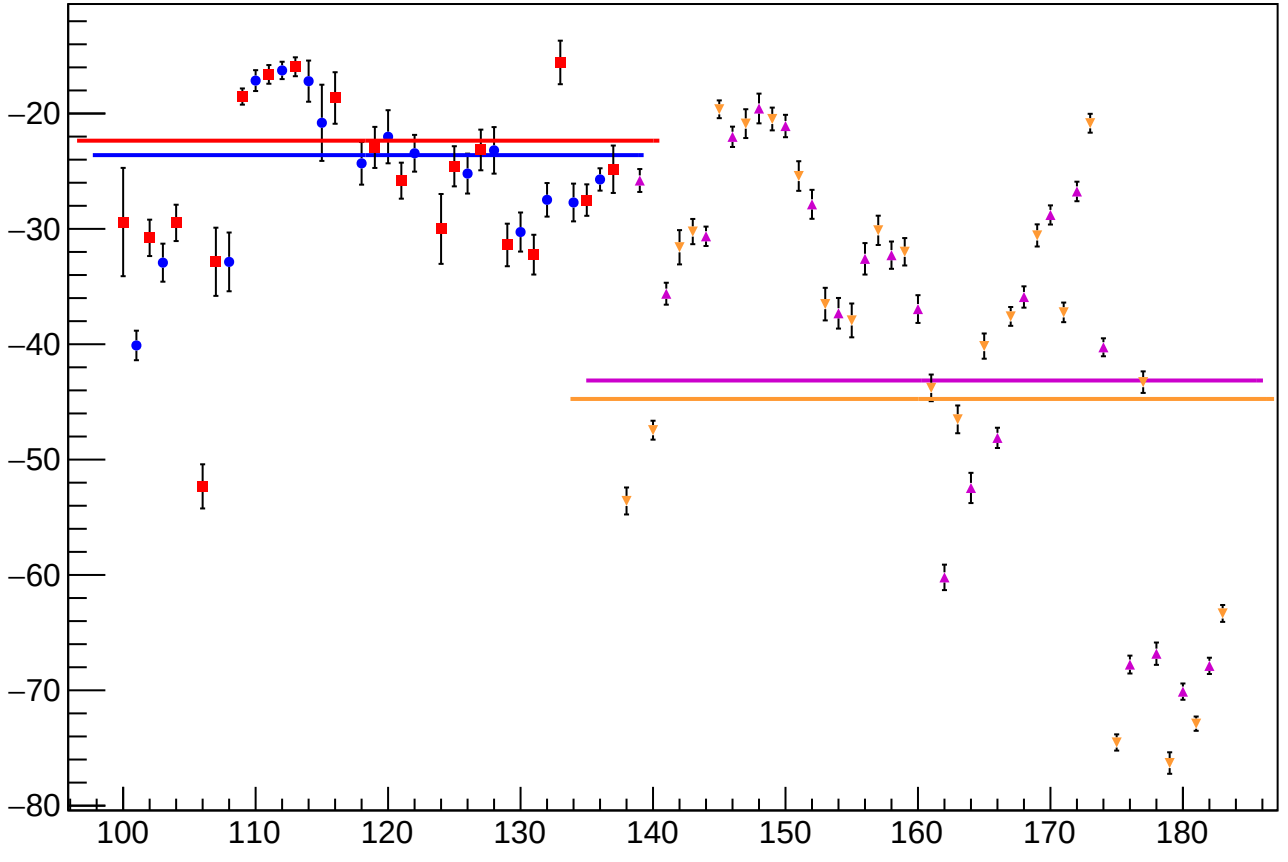
Left In: -0.257+/-0.009 χ^2/NDF:2663.7/21

+ sign -0.324+/-0.009 χ^2/NDF: 3169.7/39

All: -0.314+/-0.006 χ^2/NDF: 7372.1/80

- sign -0.305+/-0.009 χ^2/NDF: 4199.9/40

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -44.743+/-0.195 χ^2/NDF:9782.0/23

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

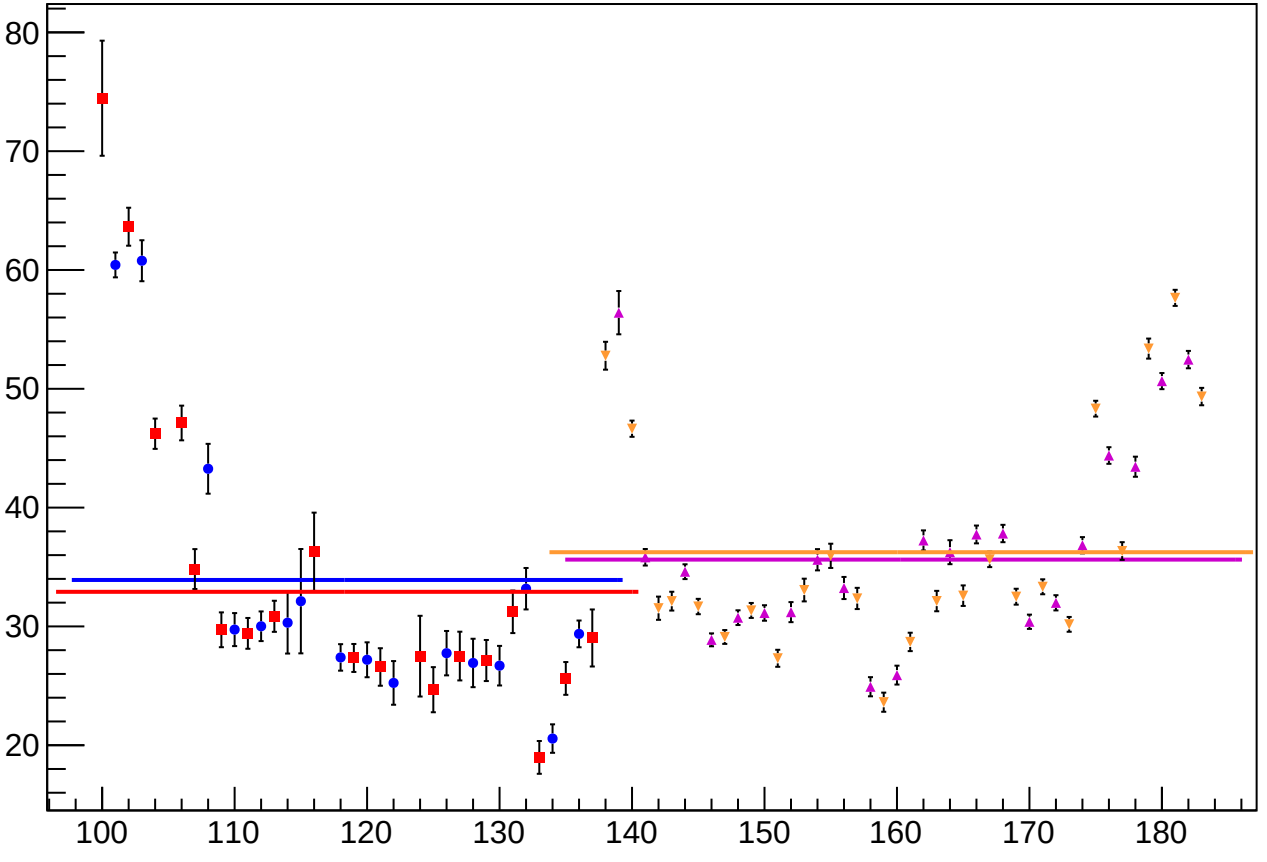
Left In: -43.143+/-0.201 χ^2/NDF:7721.6/21

+ sign -39.699+/-0.170 χ^2/NDF: 12992.0/39

All: -38.505+/-0.120 χ^2/NDF: 24366.4/80

- sign -37.307+/-0.170 χ^2/NDF: 11275.8/40

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 36.246+/-0.151 χ^2/NDF:3519.3/23

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

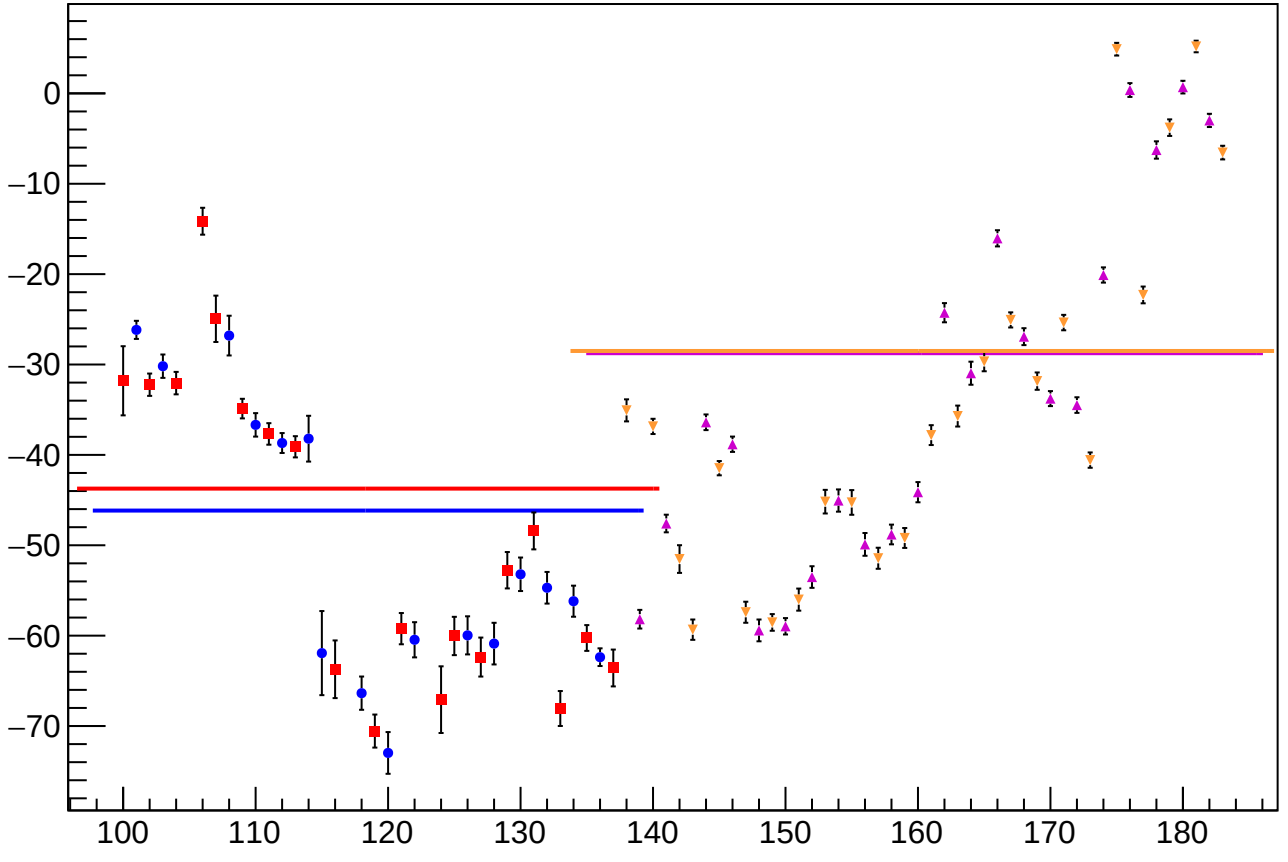
Left In: 35.623+/-0.156 χ^2/NDF:2149.6/21

+ sign 35.919+/-0.140 χ^2/NDF: 4737.1/39

All: 35.578+/-0.100 χ^2/NDF: 7818.8/80

- sign 35.218+/-0.144 χ^2/NDF: 3069.6/40

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -28.502+/-0.195 χ^2/NDF:11586.2/23

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

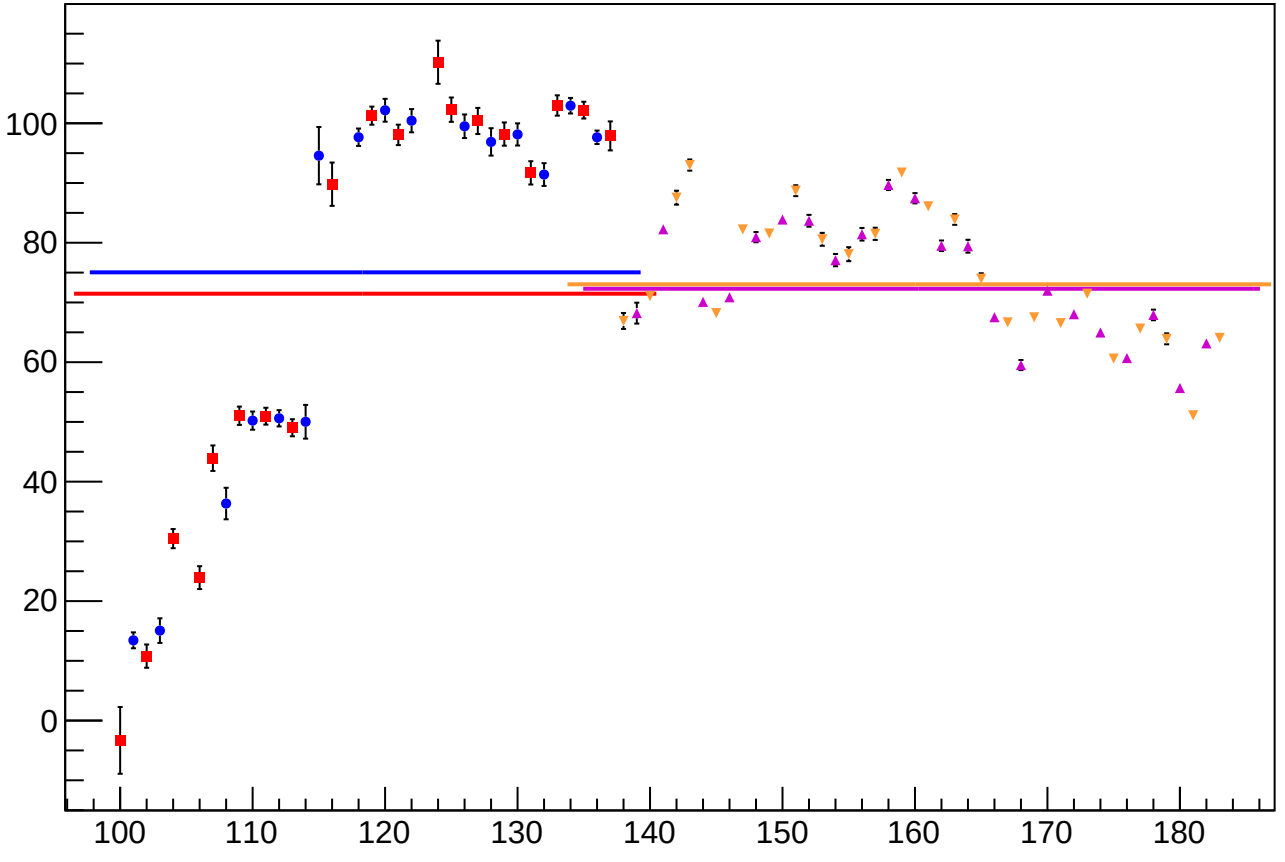
Left In: -28.747+/-0.200 χ^2/NDF:9990.7/21

+ sign -32.025+/-0.174 χ^2/NDF: 14718.4/39

All: -32.021+/-0.124 χ^2/NDF: 27598.8/80

- sign -32.017+/-0.177 χ^2/NDF: 12880.4/40

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 73.042+/-0.170 χ^2/NDF:4049.5/23

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

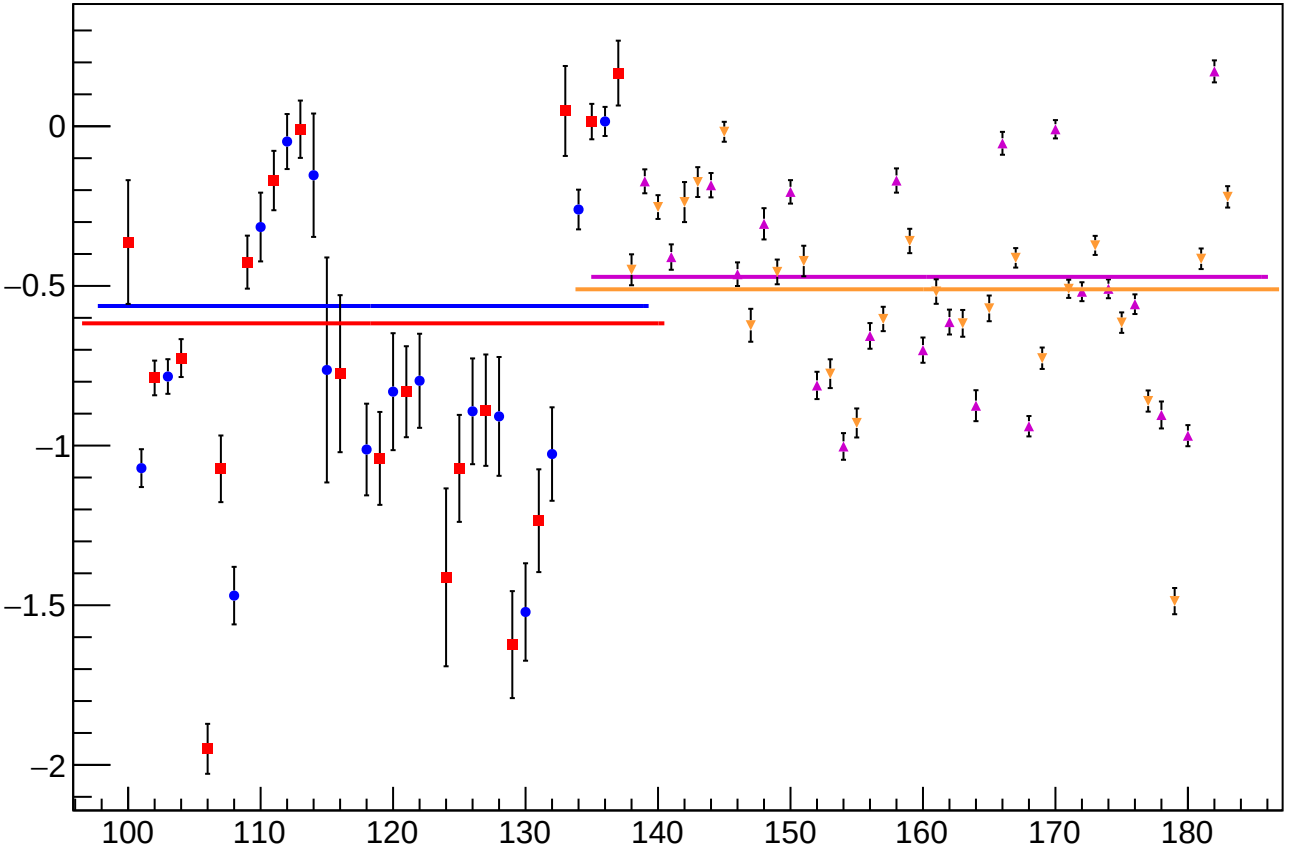
Left In: 72.295+/-0.175 χ^2/NDF:2912.5/21

+ sign 73.315+/-0.158 χ^2/NDF: 9896.7/39

All: 72.759+/-0.113 χ^2/NDF: 18466.0/80

- sign 72.176+/-0.162 χ^2/NDF: 8543.9/40

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.511+/-0.008 χ^2/NDF:1373.6/23

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

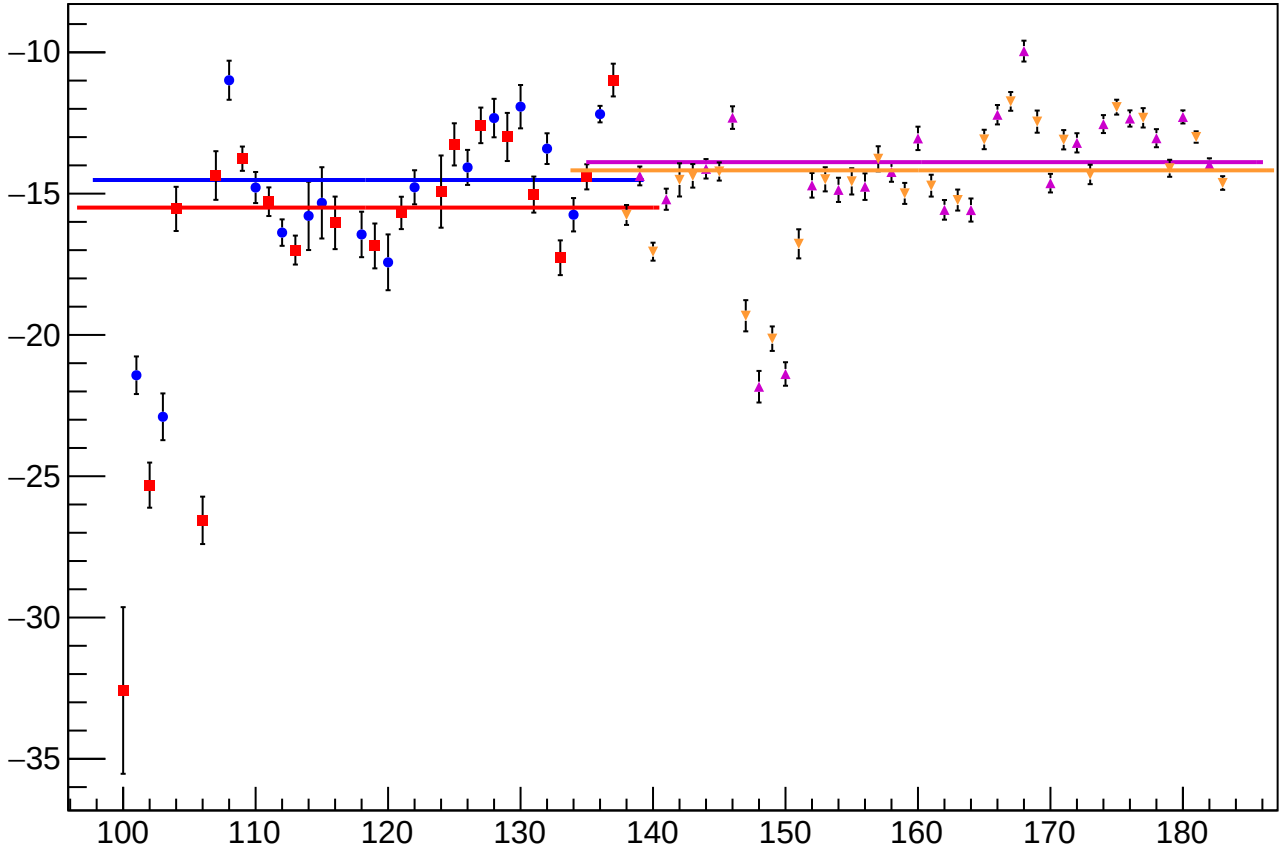
Left In: -0.472+/-0.008 χ^2/NDF:1914.5/21

+ sign -0.516+/-0.007 χ^2/NDF: 1871.6/39

All: -0.502+/-0.005 χ^2/NDF: 4522.3/80

- sign -0.487+/-0.007 χ^2/NDF: 2642.9/40

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.176+/-0.070 χ^2/NDF:653.4/23

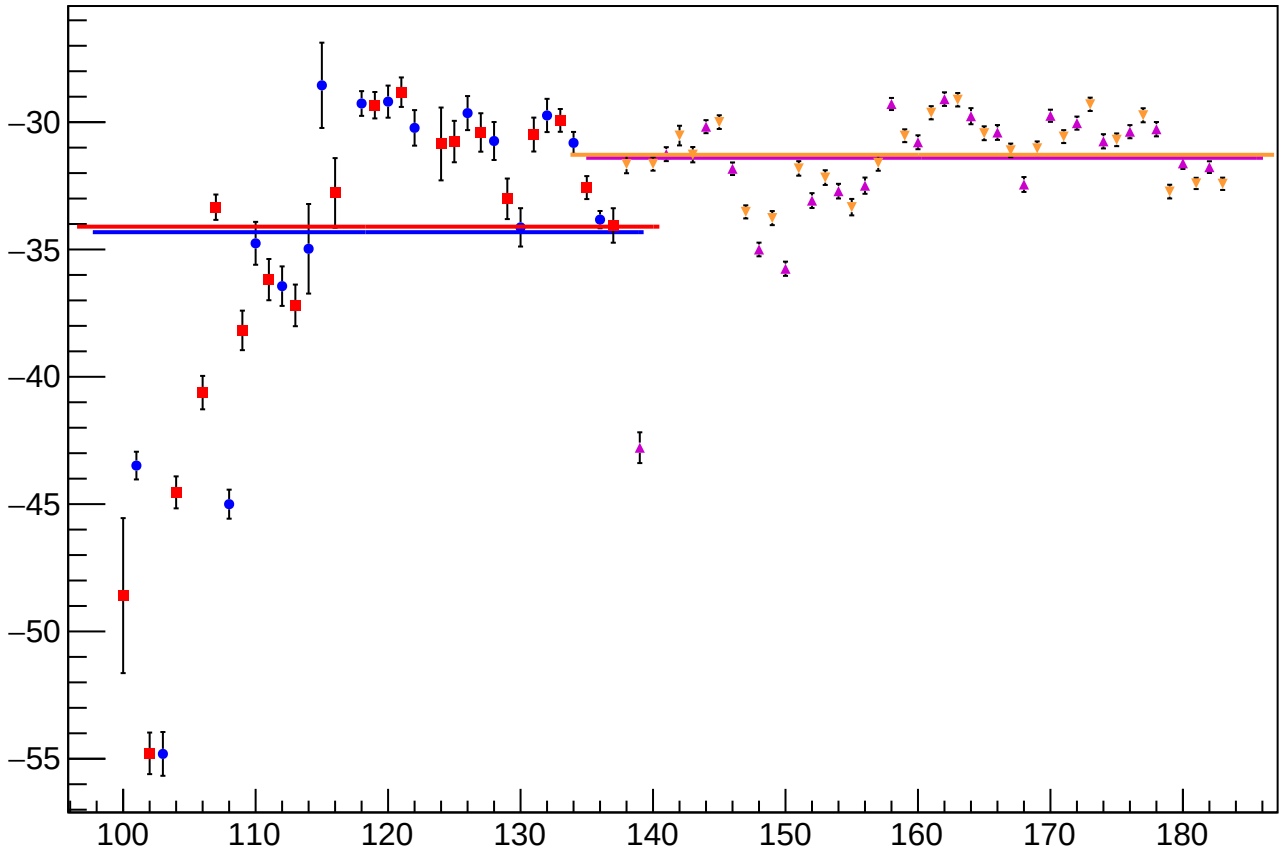
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -13.886+/-0.073 χ^2/NDF:863.4/21

+ sign -14.238+/-0.064 χ^2/NDF: 1021.0/39

All: -14.217+/-0.046 χ^2/NDF: 2481.5/80

- sign -14.194+/-0.066 χ^2/NDF: 1460.2/40



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.281+/-0.056 χ^2/NDF:546.2/23

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

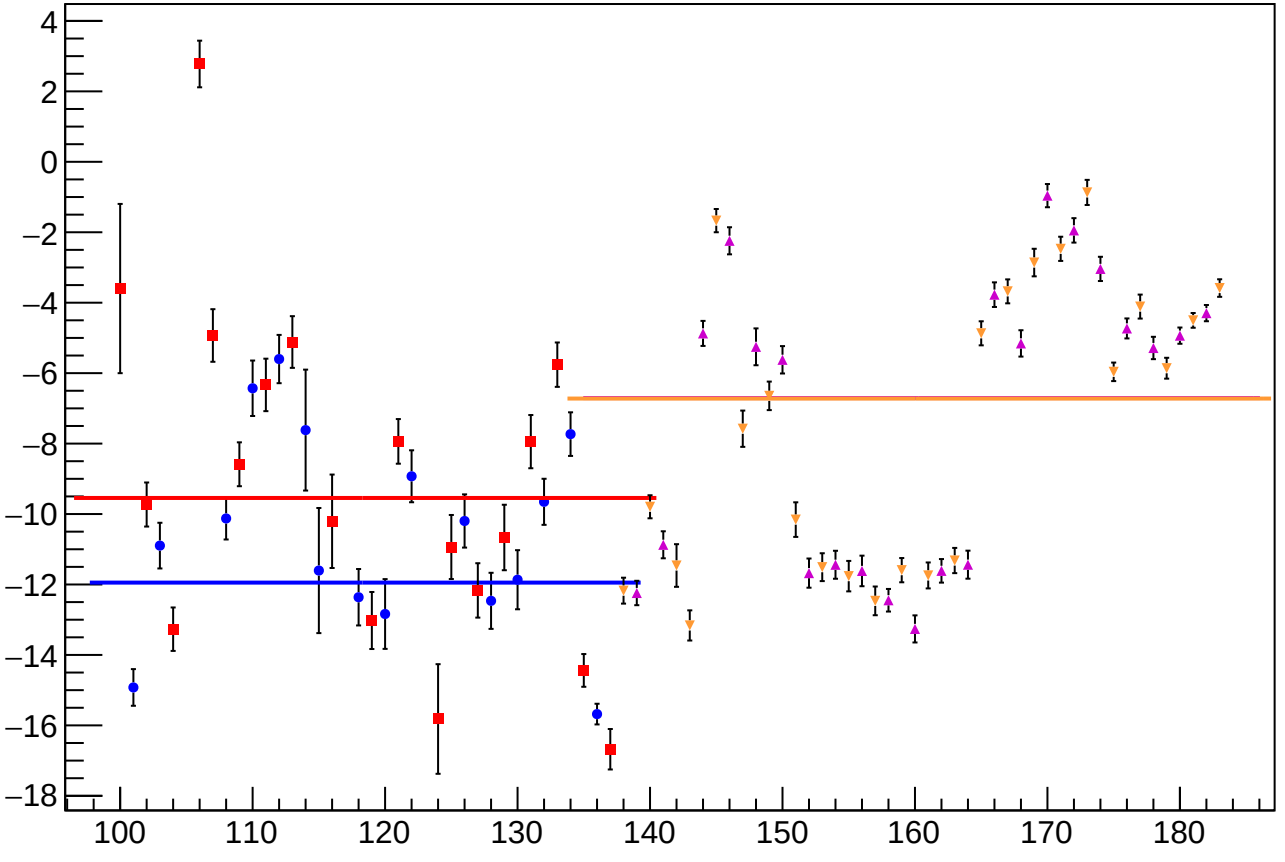
Left In: -31.399+/-0.058 χ^2/NDF:1195.1/21

+ sign -31.636+/-0.052 χ^2/NDF: 2514.1/39

All: -31.683+/-0.038 χ^2/NDF: 5415.5/80

- sign -31.733+/-0.054 χ^2/NDF: 2899.7/40

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -6.721+/-0.070 χ^2/NDF:2889.3/23

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

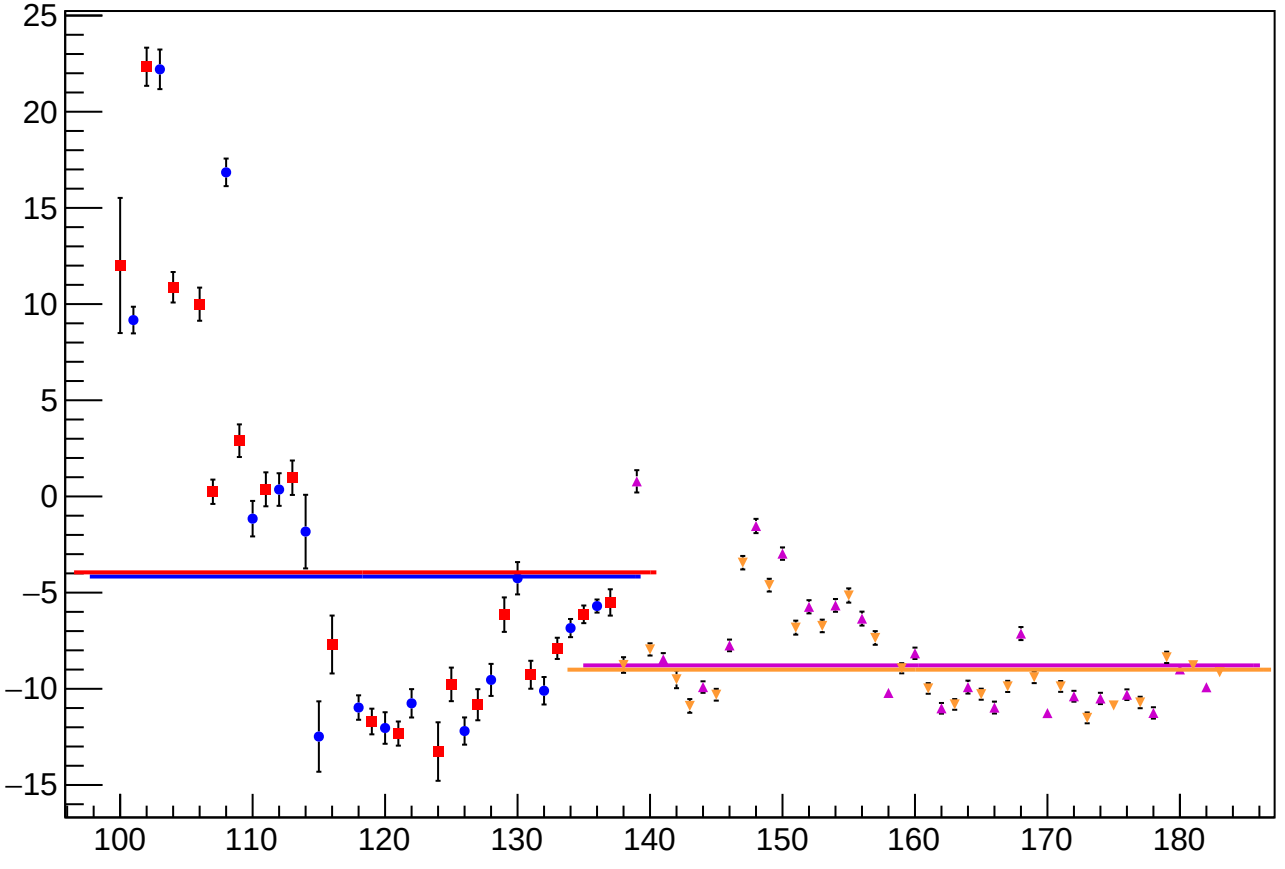
Left In: -6.708+/-0.072 χ^2/NDF:2861.8/21

+ sign -7.564+/-0.064 χ^2/NDF: 4212.4/39

All: -7.371+/-0.046 χ^2/NDF: 8187.2/80

- sign -7.165+/-0.066 χ^2/NDF: 3956.1/40

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -9.005+/-0.062 χ^2/NDF:961.7/23

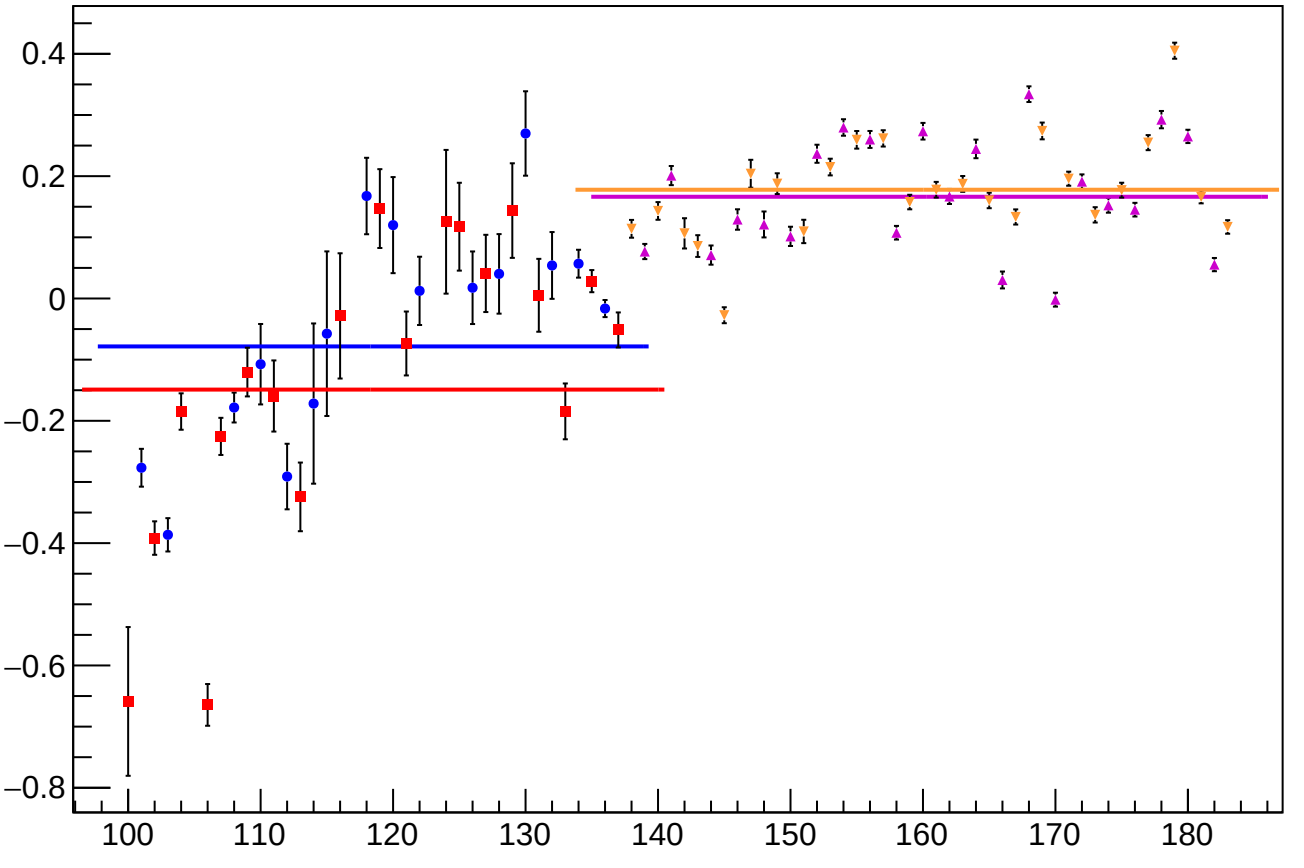
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.783+/-0.064 χ^2/NDF:1685.0/21

+ sign -8.447+/-0.058 χ^2/NDF: 4188.4/39

All: -8.335+/-0.042 χ^2/NDF: 8657.6/80

- sign -8.217+/-0.060 χ^2/NDF: 4461.7/40



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.178+/-0.003 χ^2/NDF:852.0/23

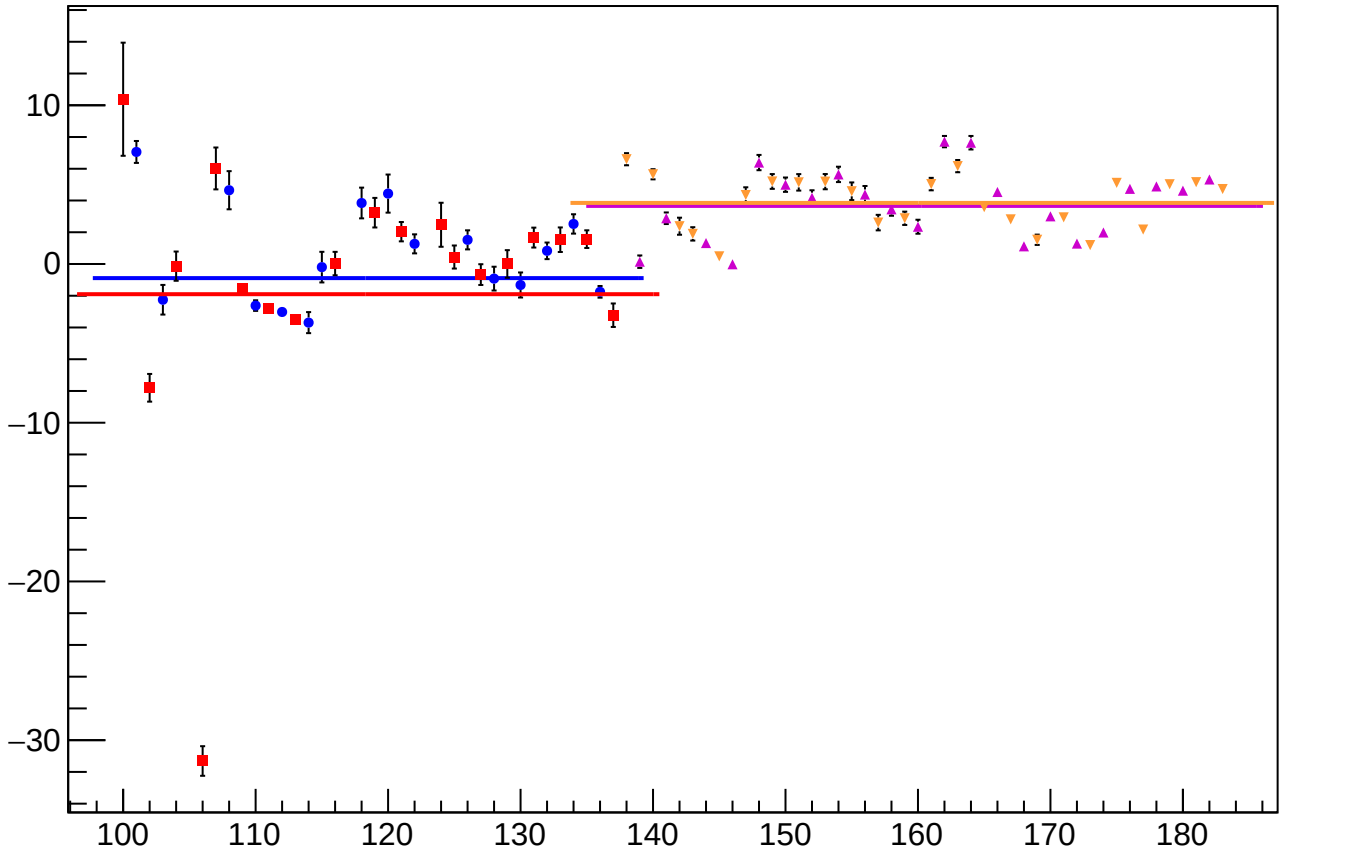
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.166+/-0.003 χ^2/NDF:1138.4/21

+ sign 0.154+/-0.003 χ^2/NDF: 1980.7/39

All: 0.146+/-0.002 χ^2/NDF: 4761.8/80

- sign 0.139+/-0.003 χ^2/NDF: 2765.2/40



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.848+/-0.063 χ^2/NDF:722.9/23

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

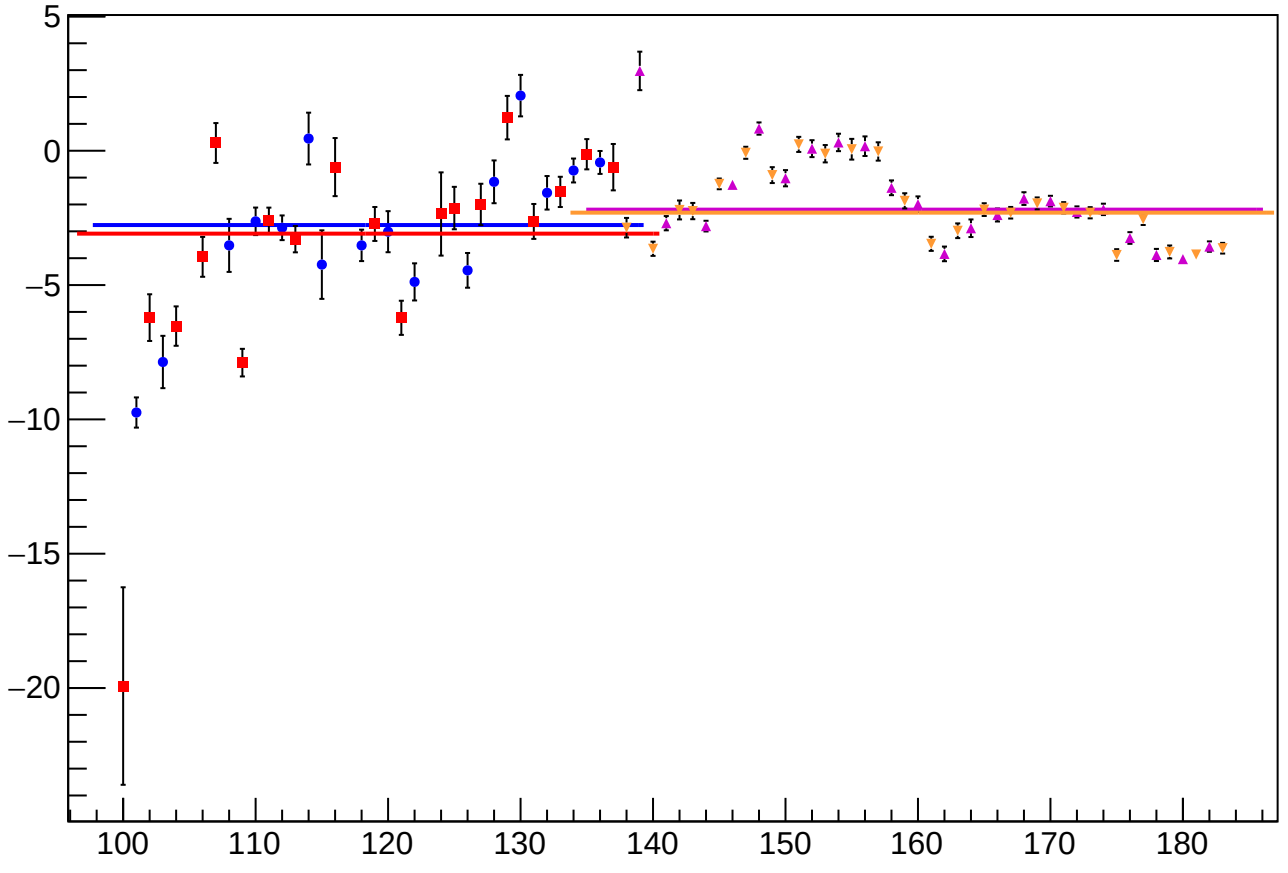
Left In: 3.659+/-0.065 χ^2/NDF:946.9/21

+ sign 3.020+/-0.057 χ^2/NDF: 2095.9/39

All: 2.778+/-0.041 χ^2/NDF: 5907.1/80

- sign 2.528+/-0.058 χ^2/NDF: 3774.7/40

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.304+/-0.050 χ^2/NDF:629.9/23

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

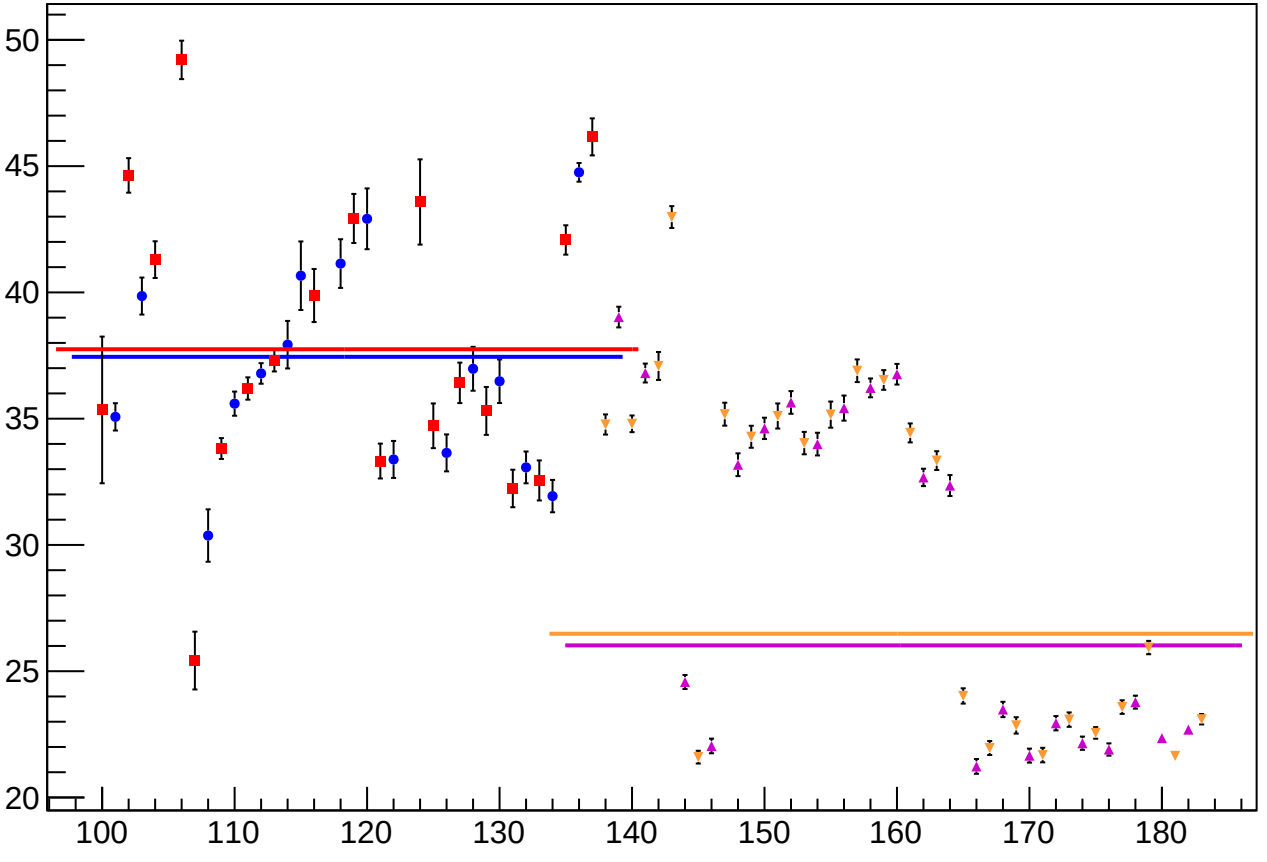
Left In: -2.193+/-0.051 χ^2/NDF:722.3/21

\+ sign -2.348+/-0.048 χ^2/NDF: 947.9/39

All: -2.314+/-0.034 χ^2/NDF: 1972.7/80

\- sign -2.278+/-0.049 χ^2/NDF: 1023.8/40

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 26.484+/-0.063 χ^2/NDF:9172.3/23

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

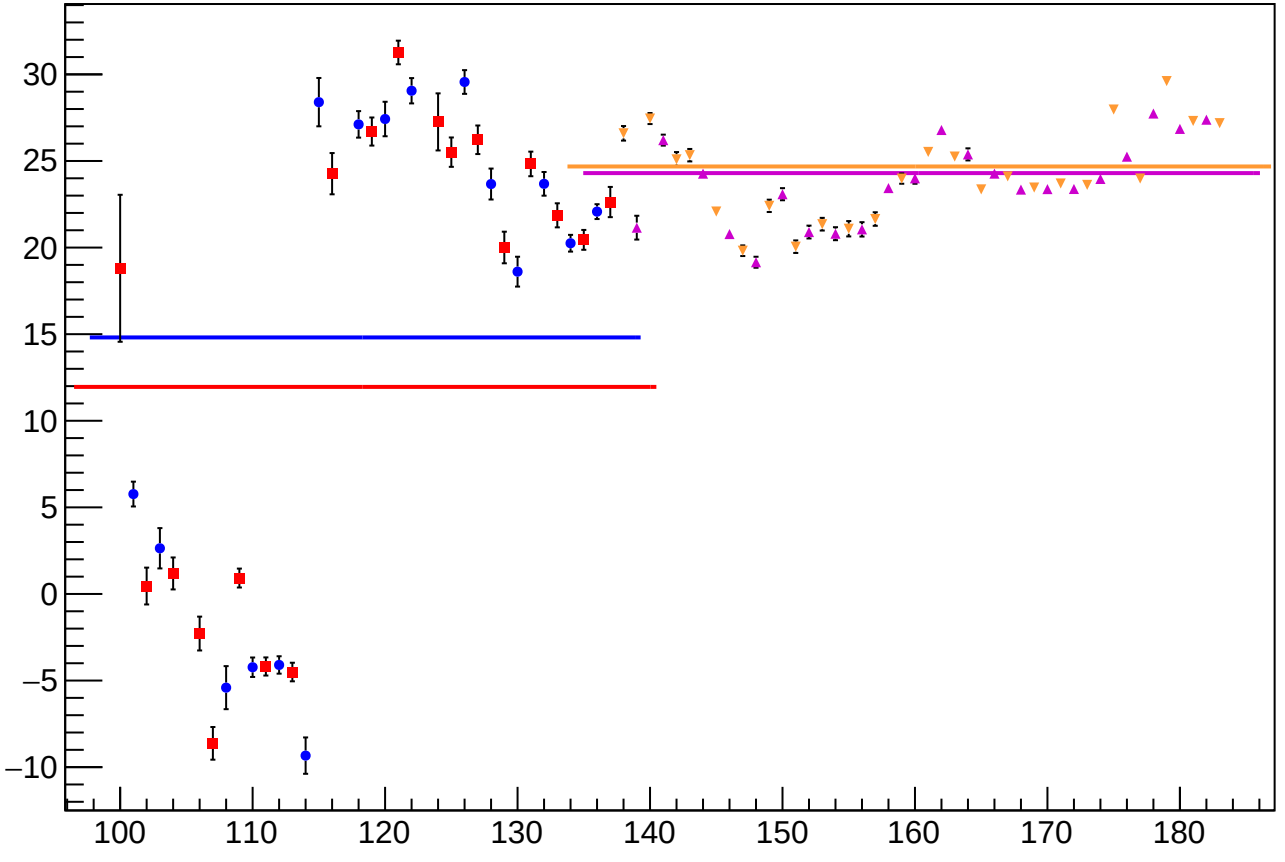
Left In: 26.022+/-0.065 χ^2/NDF:7841.4/21

\+ sign 27.949+/-0.059 χ^2/NDF: 13912.0/39

All: 27.820+/-0.042 χ^2/NDF: 27370.9/80

\- sign 27.685+/-0.060 χ^2/NDF: 13449.1/40

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 24.683+/-0.056 χ^2/NDF:1910.4/23

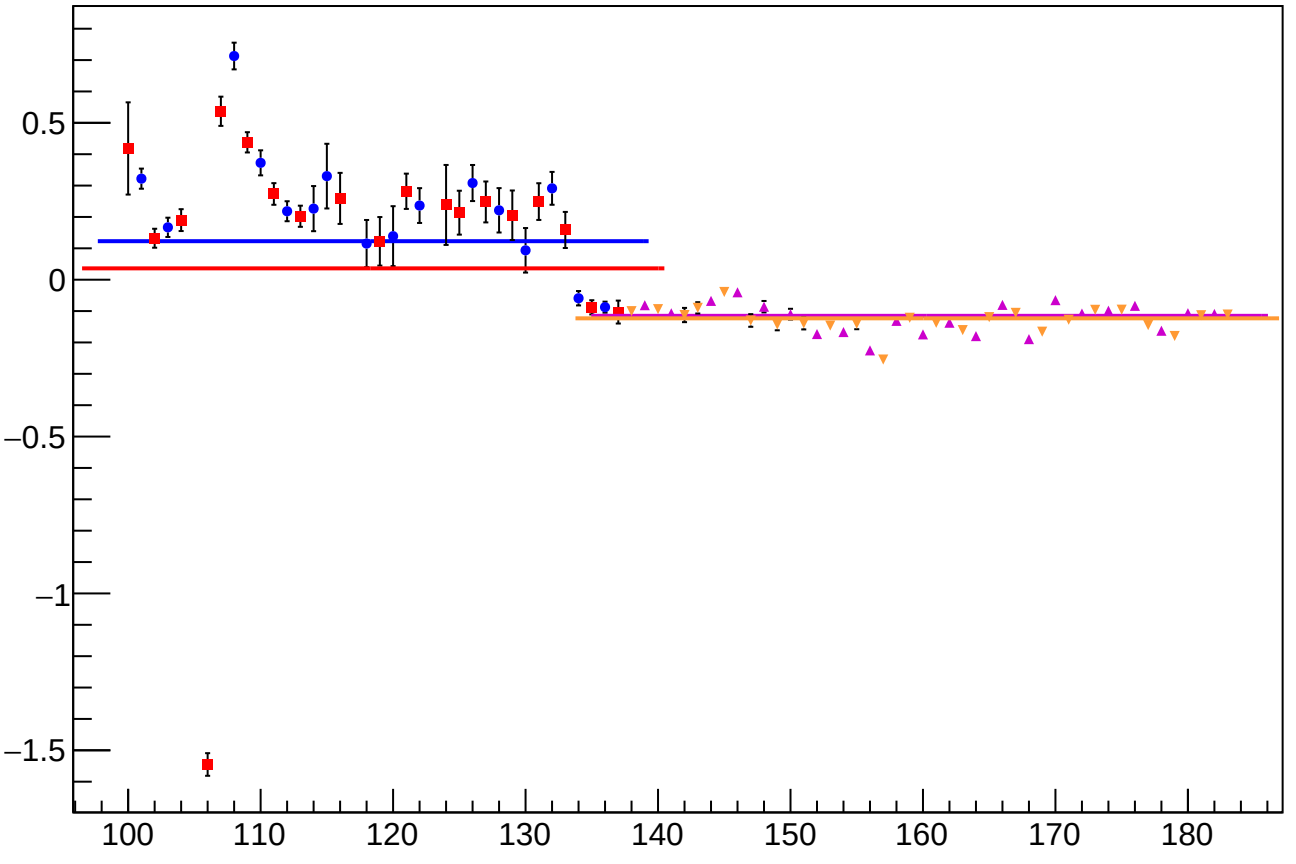
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.300+/-0.057 χ^2/NDF:1584.8/21

+ sign 23.757+/-0.053 χ^2/NDF: 10517.1/39

All: 23.452+/-0.038 χ^2/NDF: 22688.3/80

- sign 23.134+/-0.054 χ^2/NDF: 12104.2/40



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.123+/-0.003 χ^2/NDF:236.8/23

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

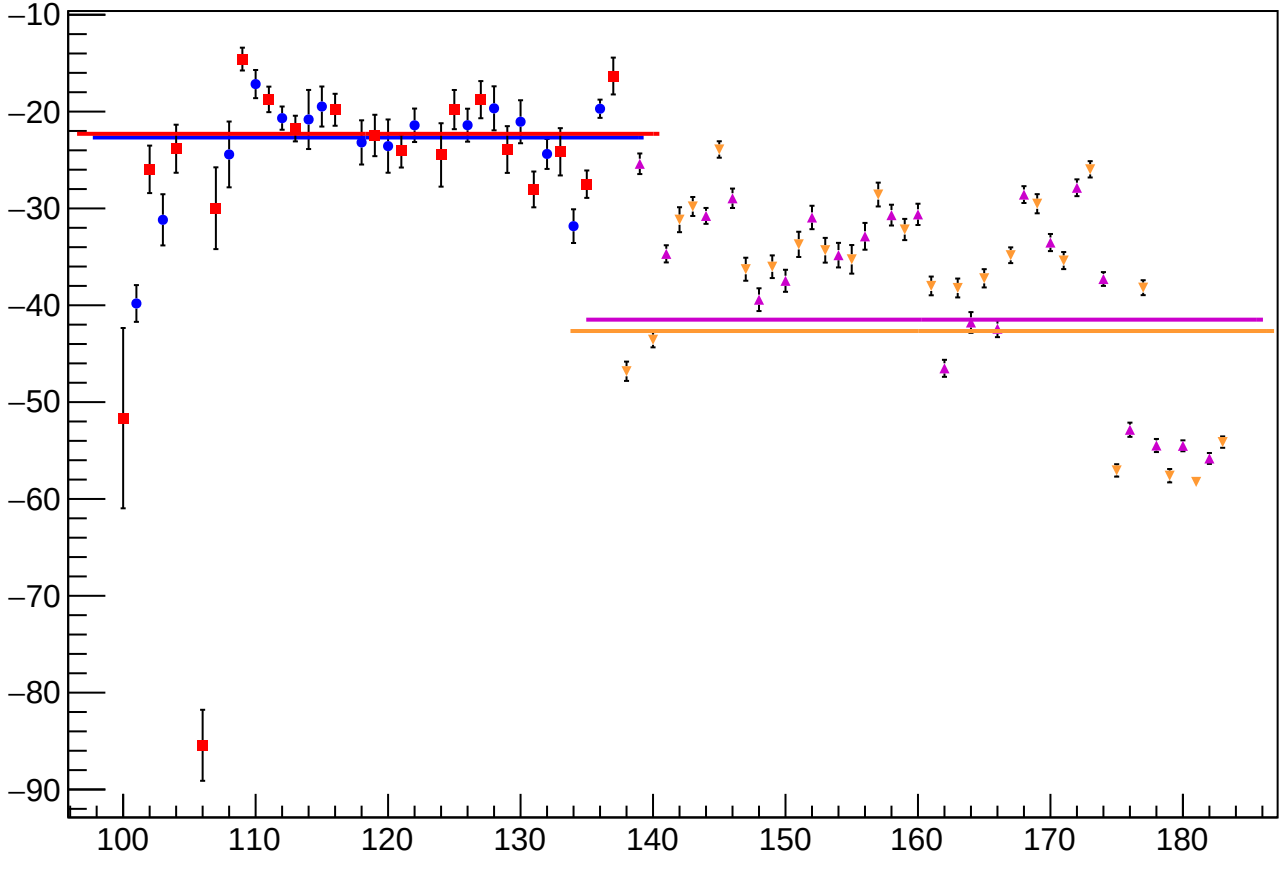
Left In: -0.115+/-0.003 χ^2/NDF:290.5/21

+ sign -0.107+/-0.002 χ^2/NDF: 1394.6/39

All: -0.106+/-0.002 χ^2/NDF: 4324.4/80

- sign -0.106+/-0.002 χ^2/NDF: 2929.6/40

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -42.658+/-0.177 χ^2/NDF:4343.2/23

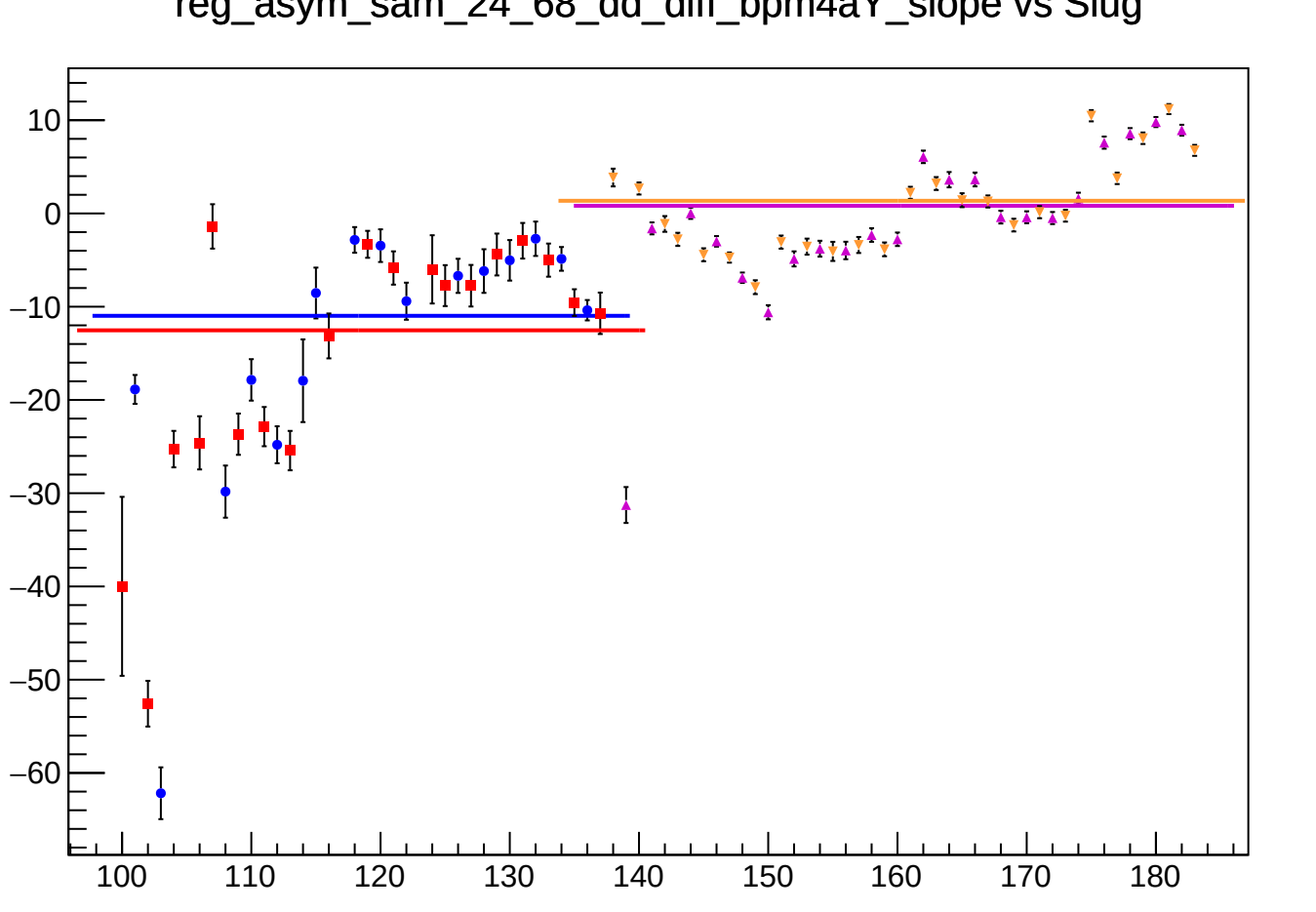
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -41.485+/-0.184 χ^2/NDF:3381.6/21

+ sign -39.814+/-0.164 χ^2/NDF: 6311.5/39

All: -39.210+/-0.118 χ^2/NDF: 11775.1/80

- sign -38.562+/-0.170 χ^2/NDF: 5435.5/40



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 1.358+/-0.139 χ^2/NDF:1393.0/23

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

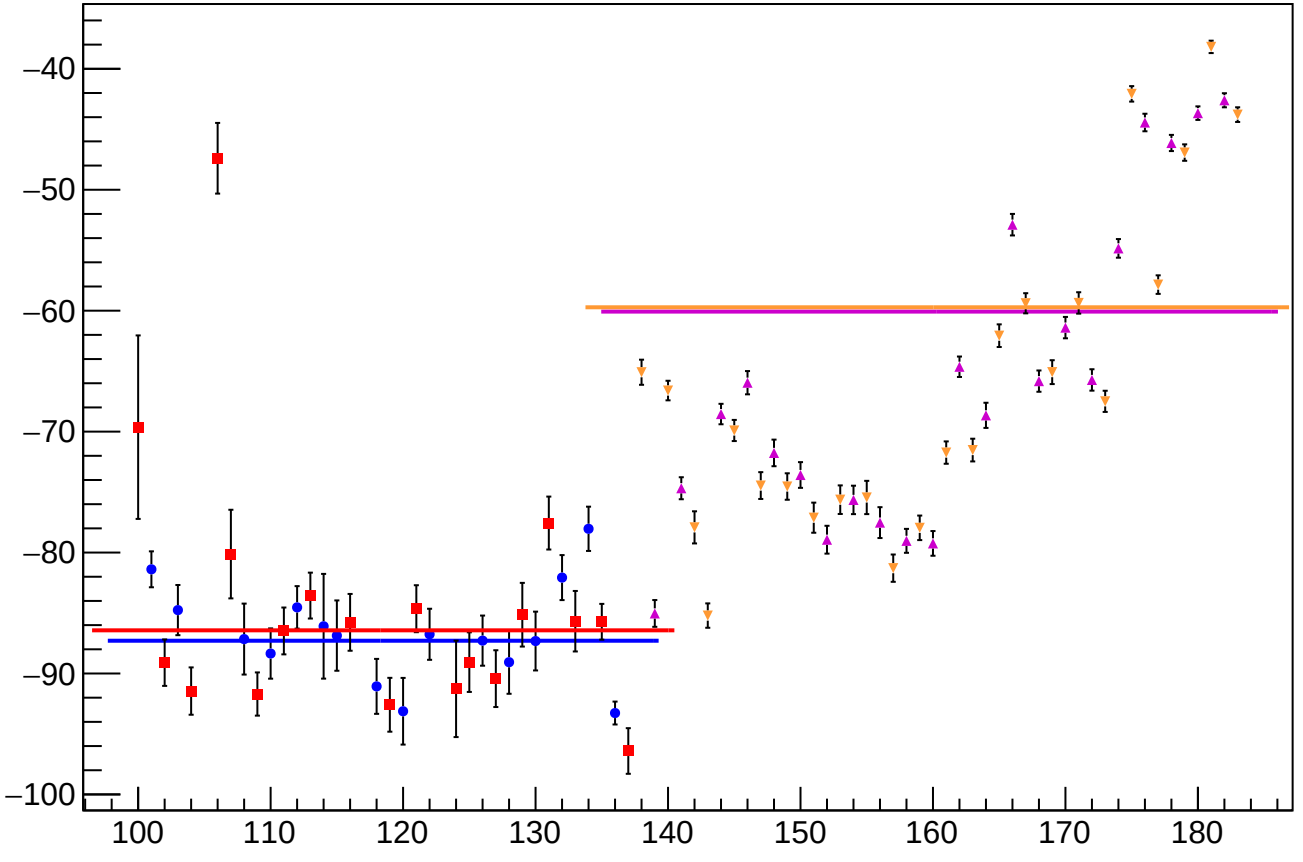
Left In: 0.823+/-0.144 χ^2/NDF:1753.3/21

+ sign 0.293+/-0.133 χ^2/NDF: 2656.8/39

All: 0.017+/-0.096 χ^2/NDF: 5698.4/80

- sign -0.280+/-0.138 χ^2/NDF: 3032.7/40

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -59.719+/-0.177 χ^2/NDF:6631.6/23

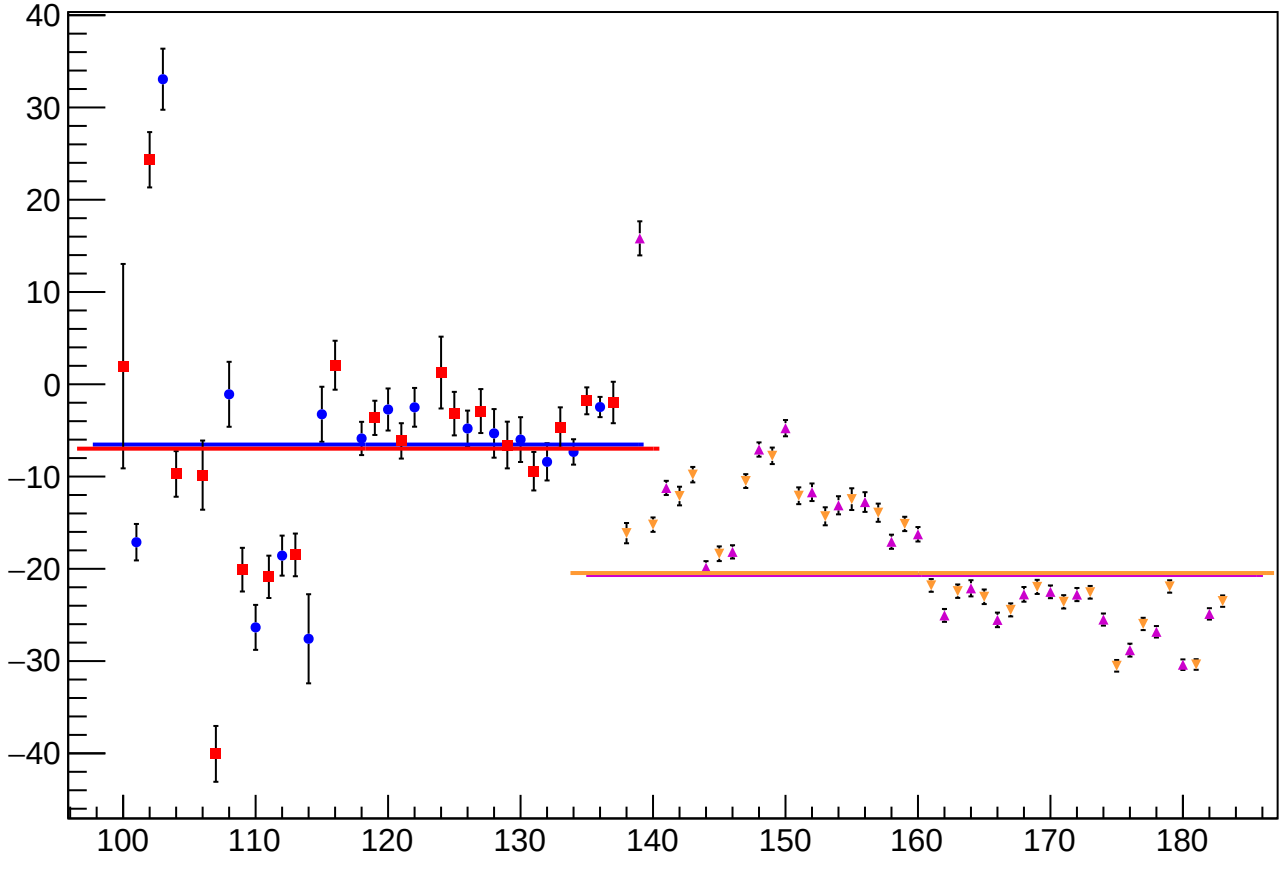
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -60.075+/-0.184 χ^2/NDF:5477.6/21

+ sign -63.013+/-0.166 χ^2/NDF: 9631.0/39

All: -63.075+/-0.120 χ^2/NDF: 17771.7/80

- sign -63.142+/-0.173 χ^2/NDF: 8140.4/40



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -20.457+/-0.156 χ^2/NDF:1671.5/23

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

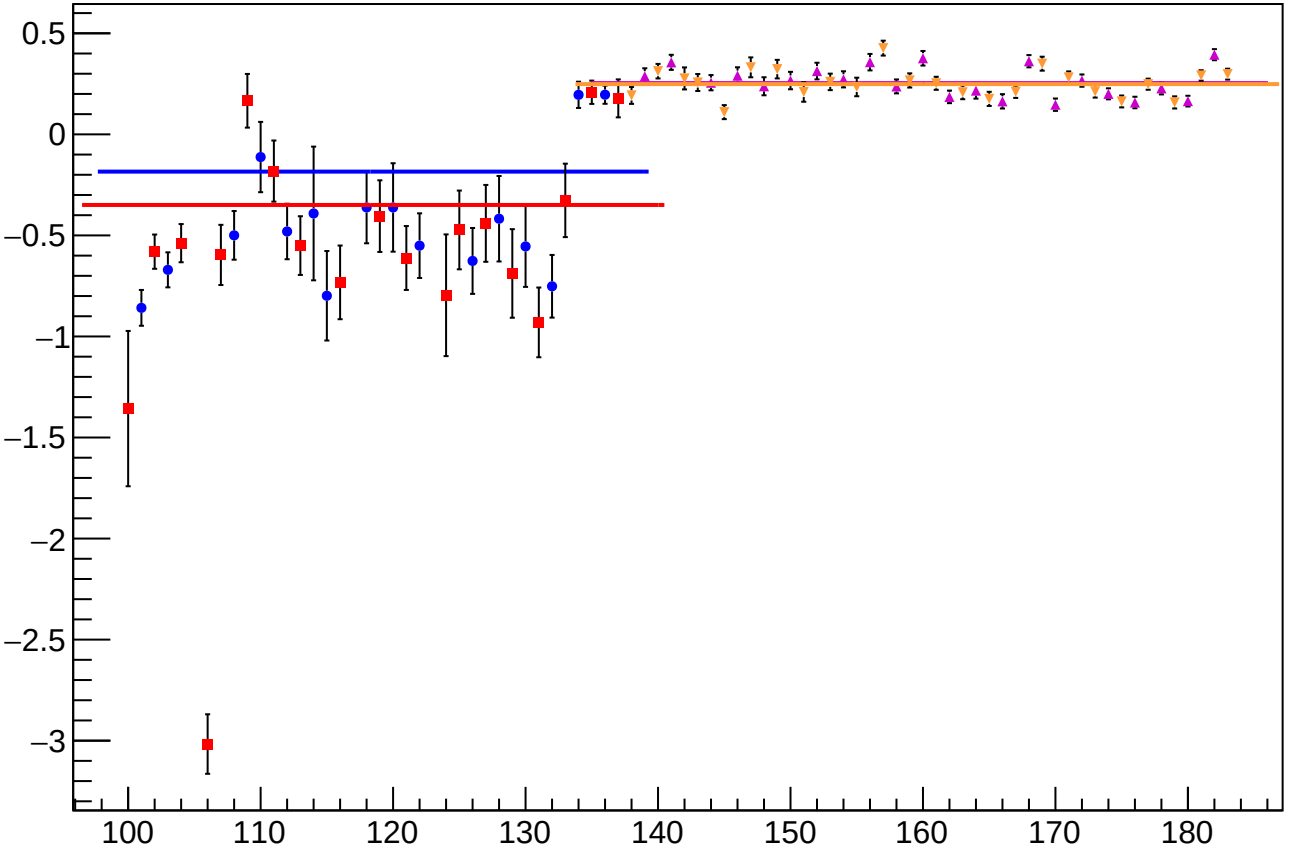
Left In: -20.671+/-0.161 χ^2/NDF:2170.4/21

+ sign -19.255+/-0.149 χ^2/NDF: 2672.0/39

All: -19.400+/-0.107 χ^2/NDF: 5799.5/80

- sign -19.555+/-0.155 χ^2/NDF: 3125.6/40

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/23

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

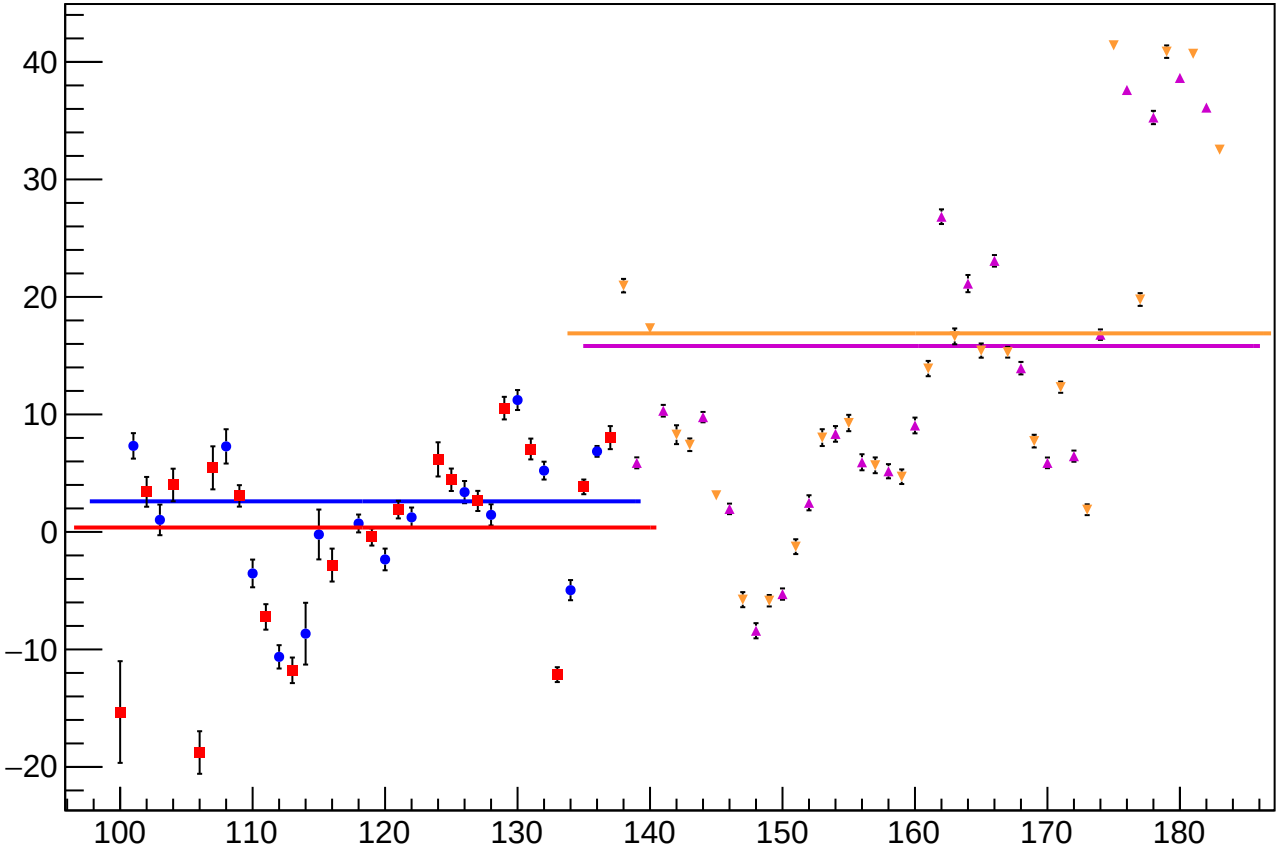
Left In: 0.254+/-0.007 χ^2/NDF:120.6/21

+ sign 0.221+/-0.007 χ^2/NDF: 585.1/39

All: 0.220+/-0.005 χ^2/NDF: 1621.1/80

- sign 0.219+/-0.007 χ^2/NDF: 1036.0/40

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 16.899+/-0.105 χ^2/NDF:20471.7/23

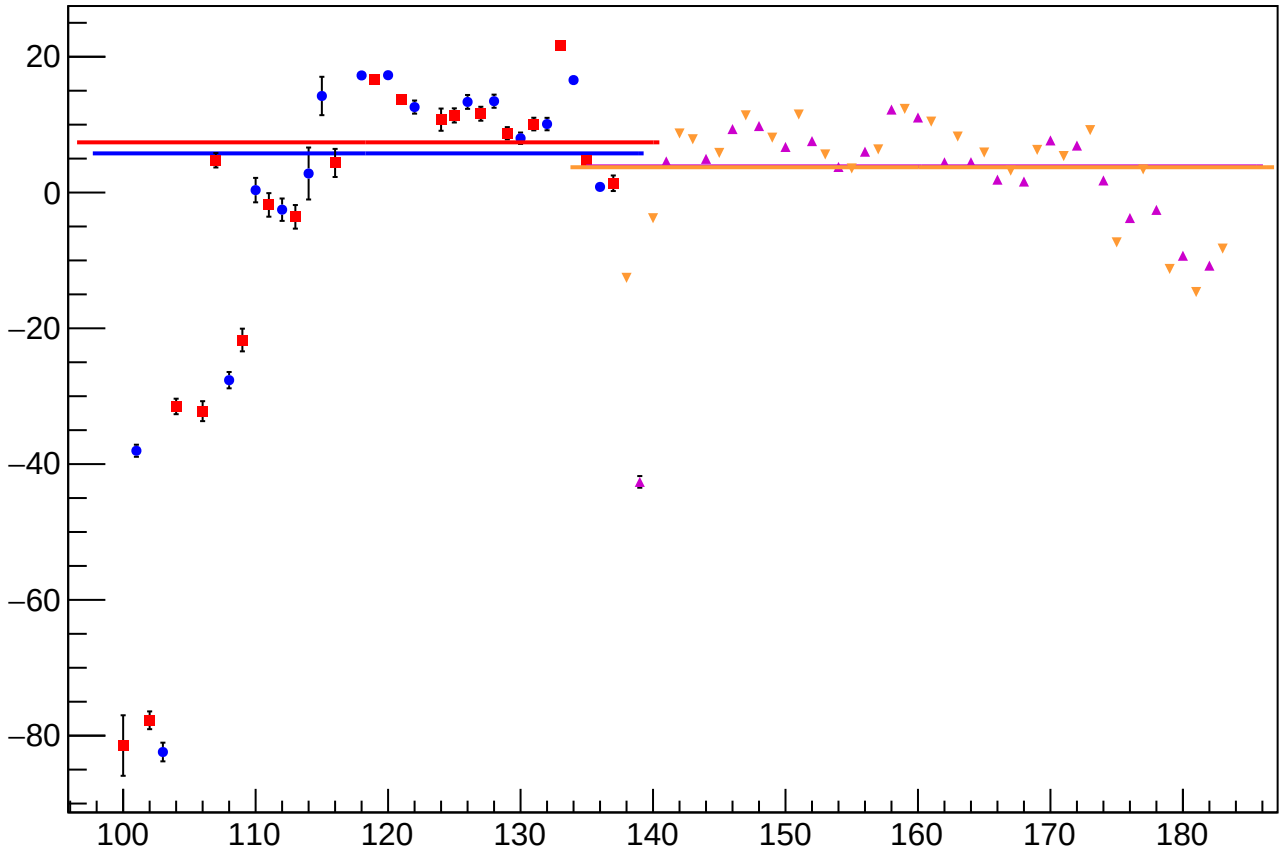
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 15.824+/-0.108 χ^2/NDF:17430.5/21

+ sign 14.324+/-0.095 χ^2/NDF: 24380.6/39

All: 13.606+/-0.068 χ^2/NDF: 46860.3/80

- sign 12.853+/-0.097 χ^2/NDF: 22363.1/40



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 3.726+/-0.081 χ^2/NDF:9061.5/23

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

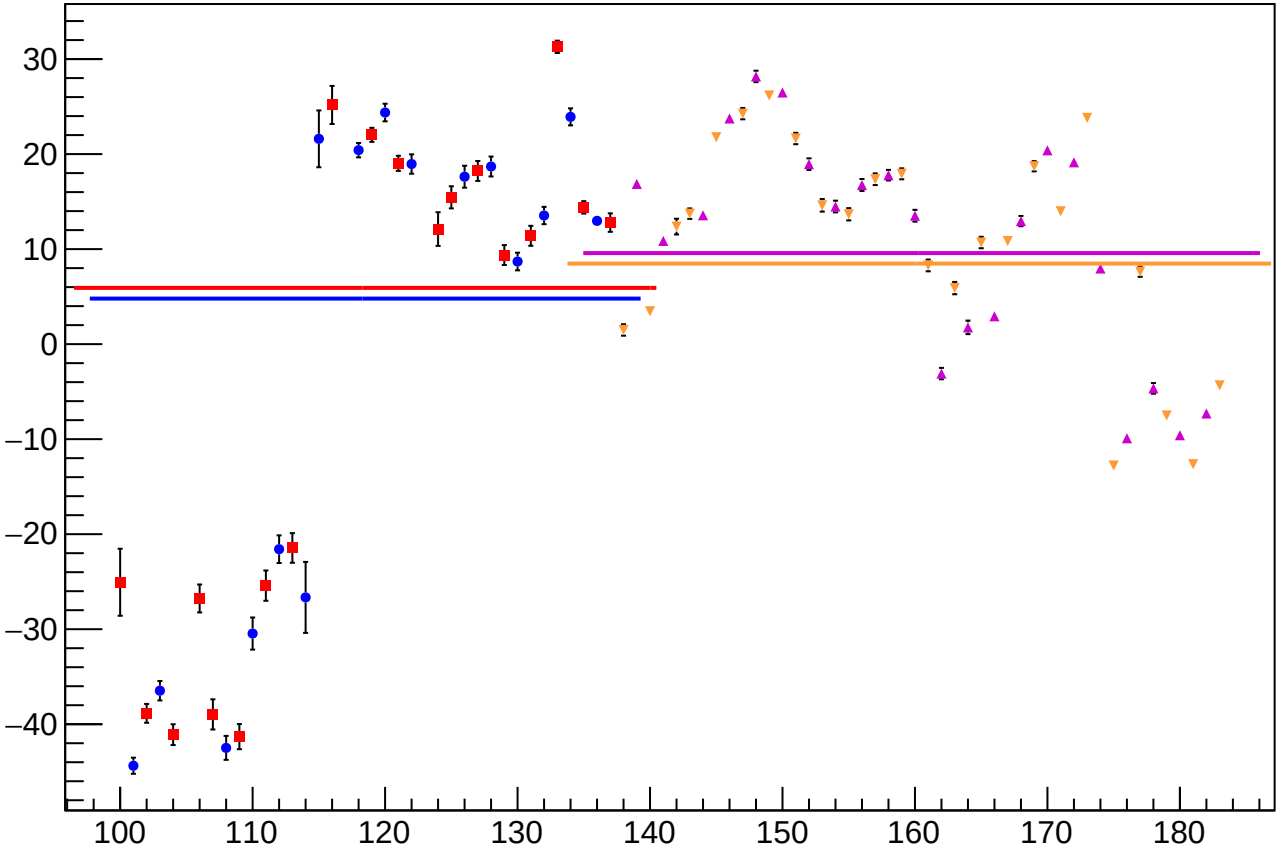
Left In: 3.856+/-0.084 χ^2/NDF:7891.4/21

+ sign 3.990+/-0.075 χ^2/NDF: 18077.8/39

All: 4.162+/-0.054 χ^2/NDF: 34618.1/80

- sign 4.345+/-0.078 χ^2/NDF: 16529.5/40

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 8.477+/-0.105 χ^2/NDF:14570.4/23

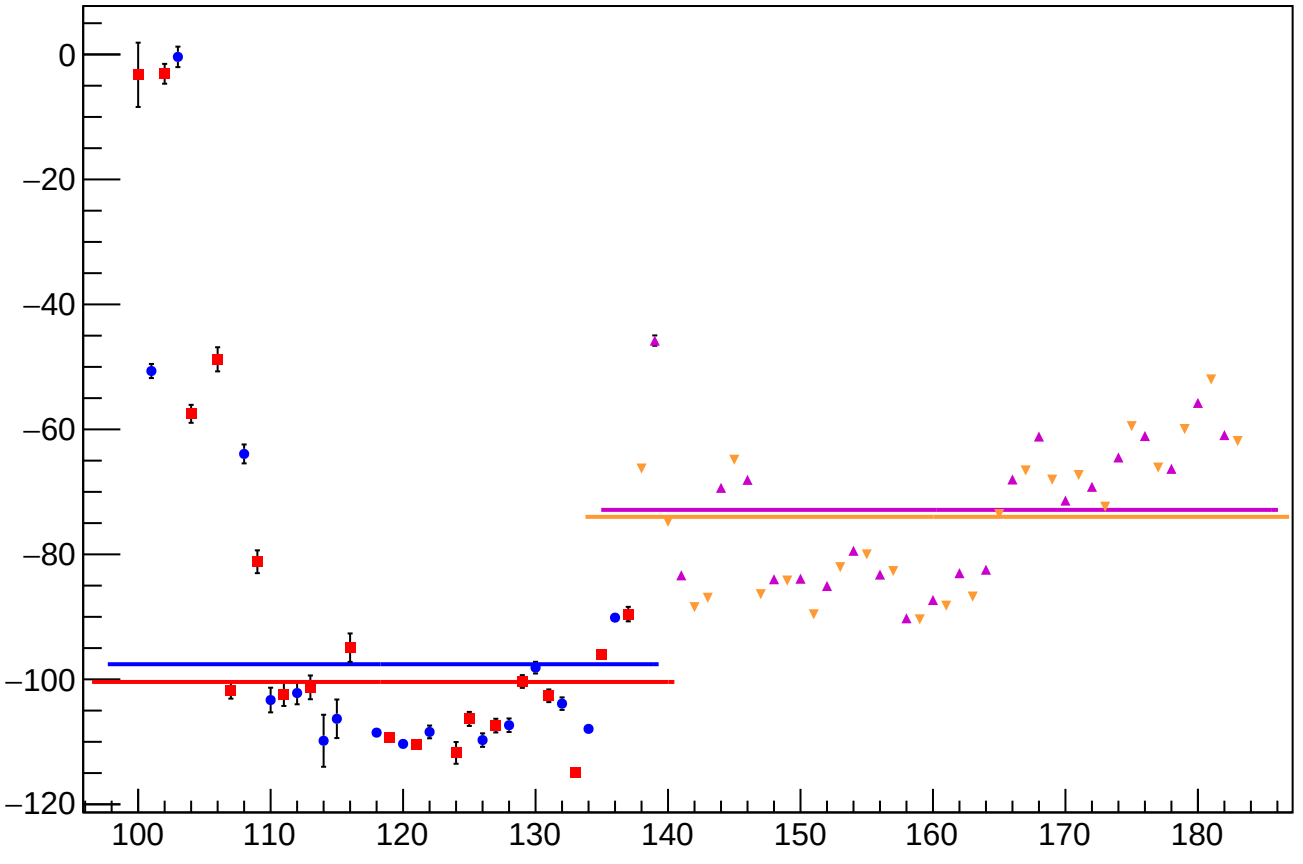
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 9.582+/-0.108 χ^2/NDF:13013.0/21

+ sign 7.877+/-0.096 χ^2/NDF: 24268.8/39

All: 8.409+/-0.069 χ^2/NDF: 47598.3/80

- sign 8.969+/-0.098 χ^2/NDF: 23266.2/40



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -73.997+/-0.091 χ^2/NDF:15512.8/23

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

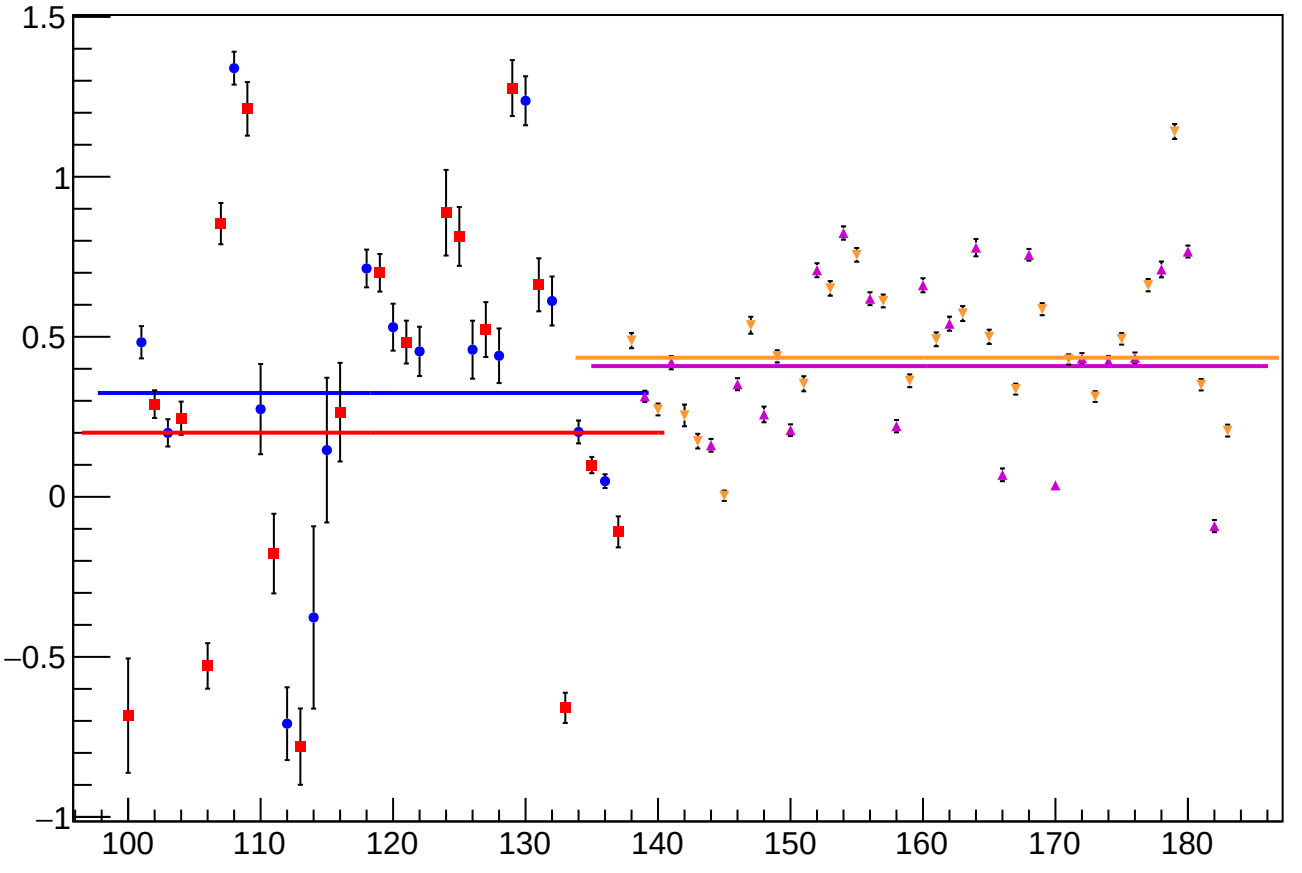
Left In: -72.881+/-0.094 χ^2/NDF:12516.8/21

+ sign -76.942+/-0.085 χ^2/NDF: 30989.8/39

All: -76.739+/-0.061 χ^2/NDF: 61964.4/80

- sign -76.525+/-0.088 χ^2/NDF: 30963.0/40

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.435+/-0.004 χ^2/NDF:2806.8/23

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

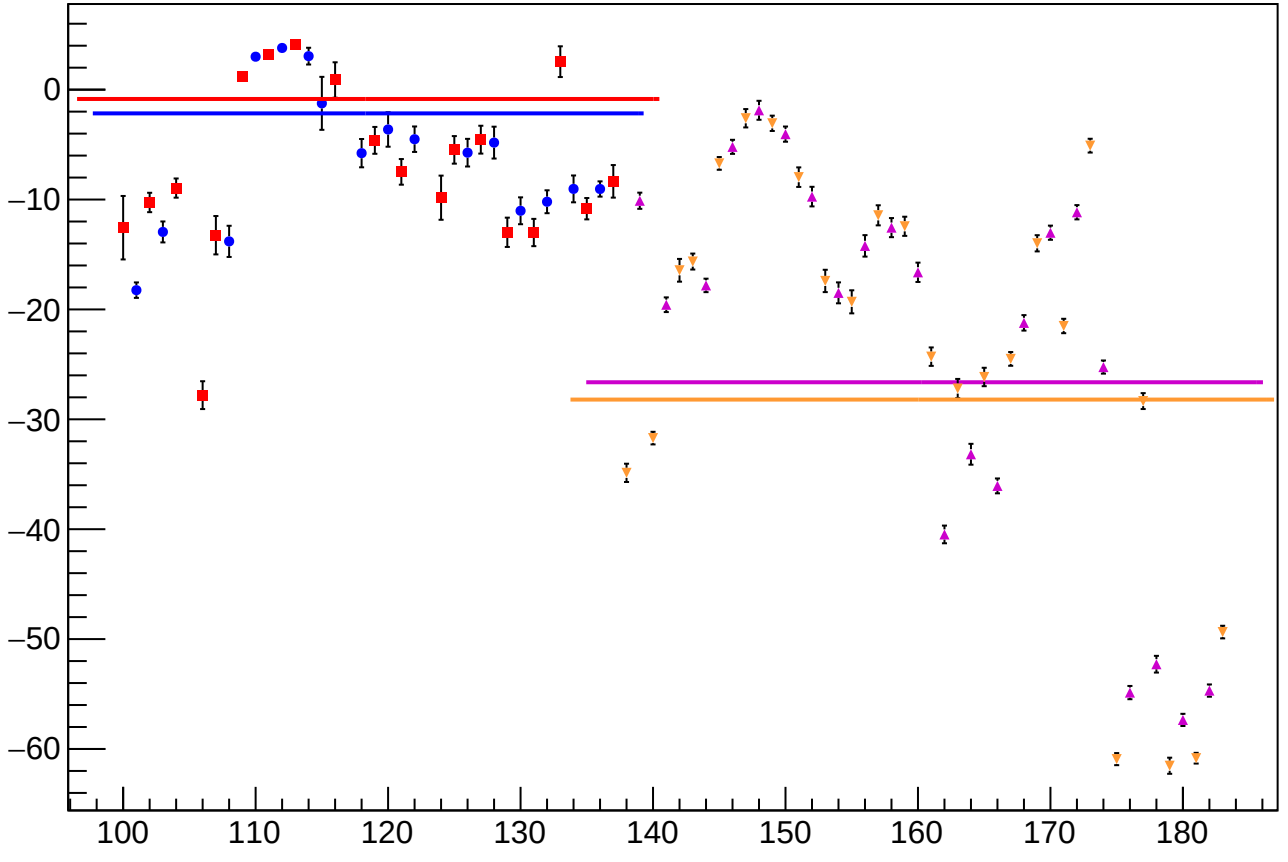
Left In: 0.408+/-0.004 χ^2/NDF:3909.1/21

+ sign 0.425+/-0.004 χ^2/NDF: 3756.0/39

All: 0.408+/-0.003 χ^2/NDF: 9115.1/80

- sign 0.391+/-0.004 χ^2/NDF: 5322.5/40

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -28.204+/-0.146 χ^2/NDF:18823.4/23

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

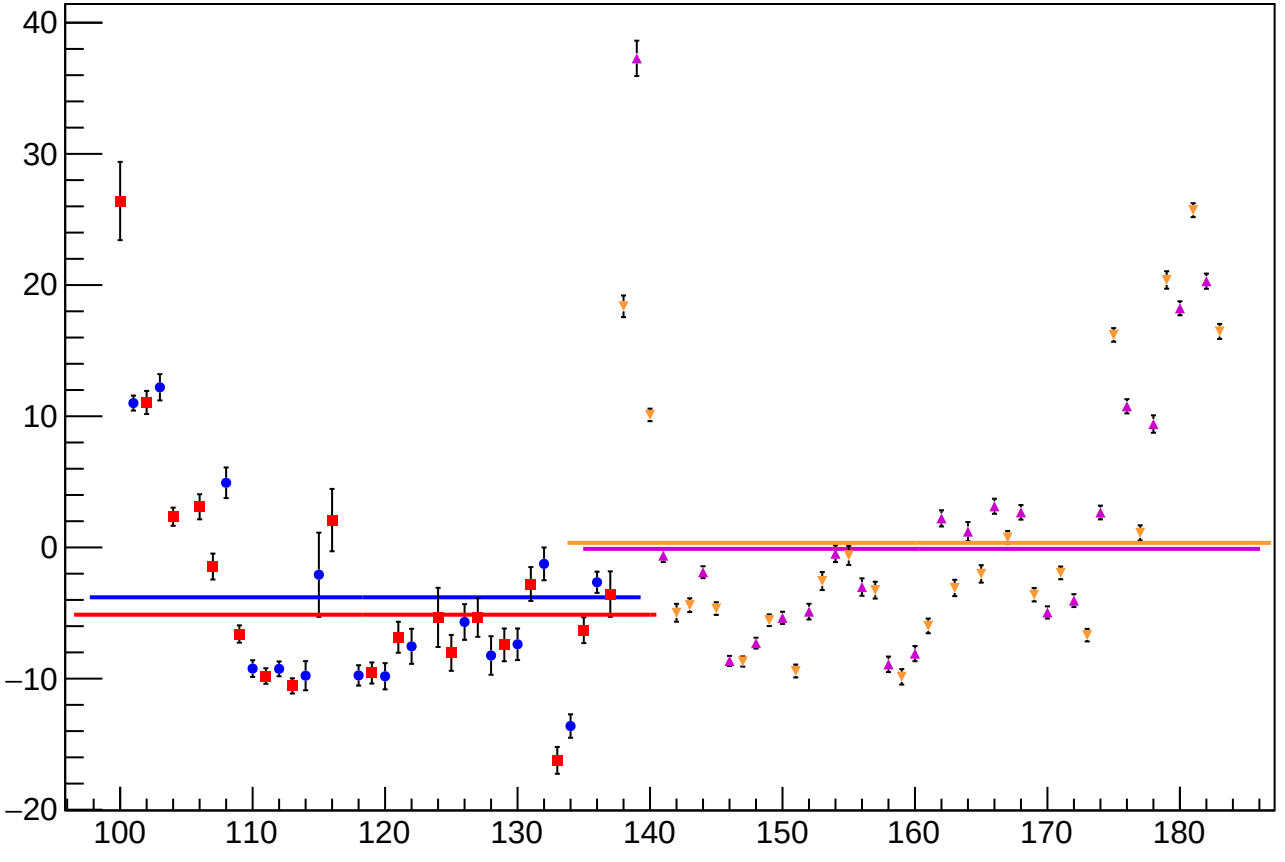
Left In: -26.628+/-0.151 χ^2/NDF:15357.2/21

+ sign -18.687+/-0.116 χ^2/NDF: 31993.9/39

All: -16.951+/-0.081 χ^2/NDF: 62089.7/80

- sign -15.307+/-0.113 χ^2/NDF: 29659.9/40

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: 0.348+/-0.111 χ^2/NDF:7970.9/23

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

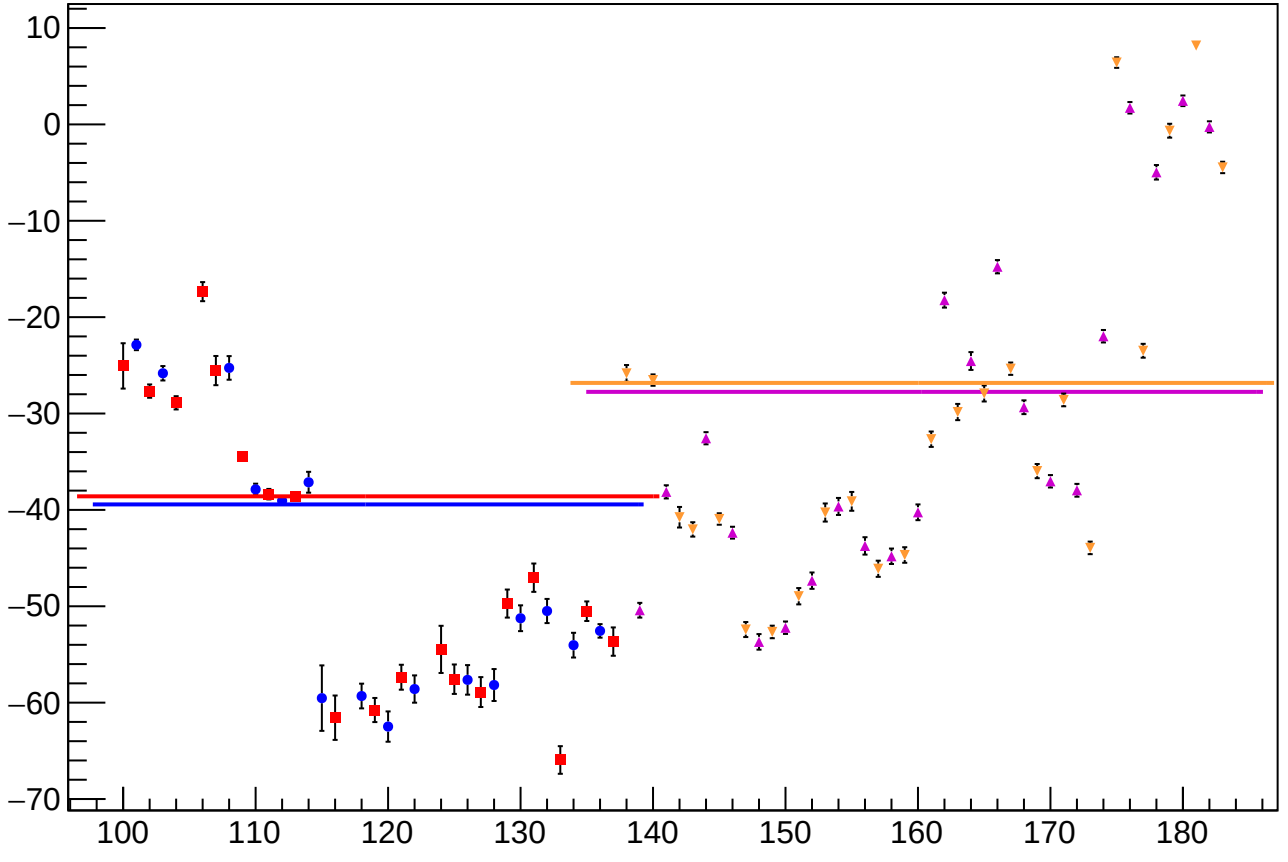
Left In: -0.110+/-0.115 χ^2/NDF:5506.8/21

+ sign -0.462+/-0.100 χ^2/NDF: 9668.3/39

All: -0.822+/-0.071 χ^2/NDF: 16594.1/80

- sign -1.199+/-0.102 χ^2/NDF: 6899.0/40

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -26.823+/-0.145 χ^2/NDF:17976.0/23

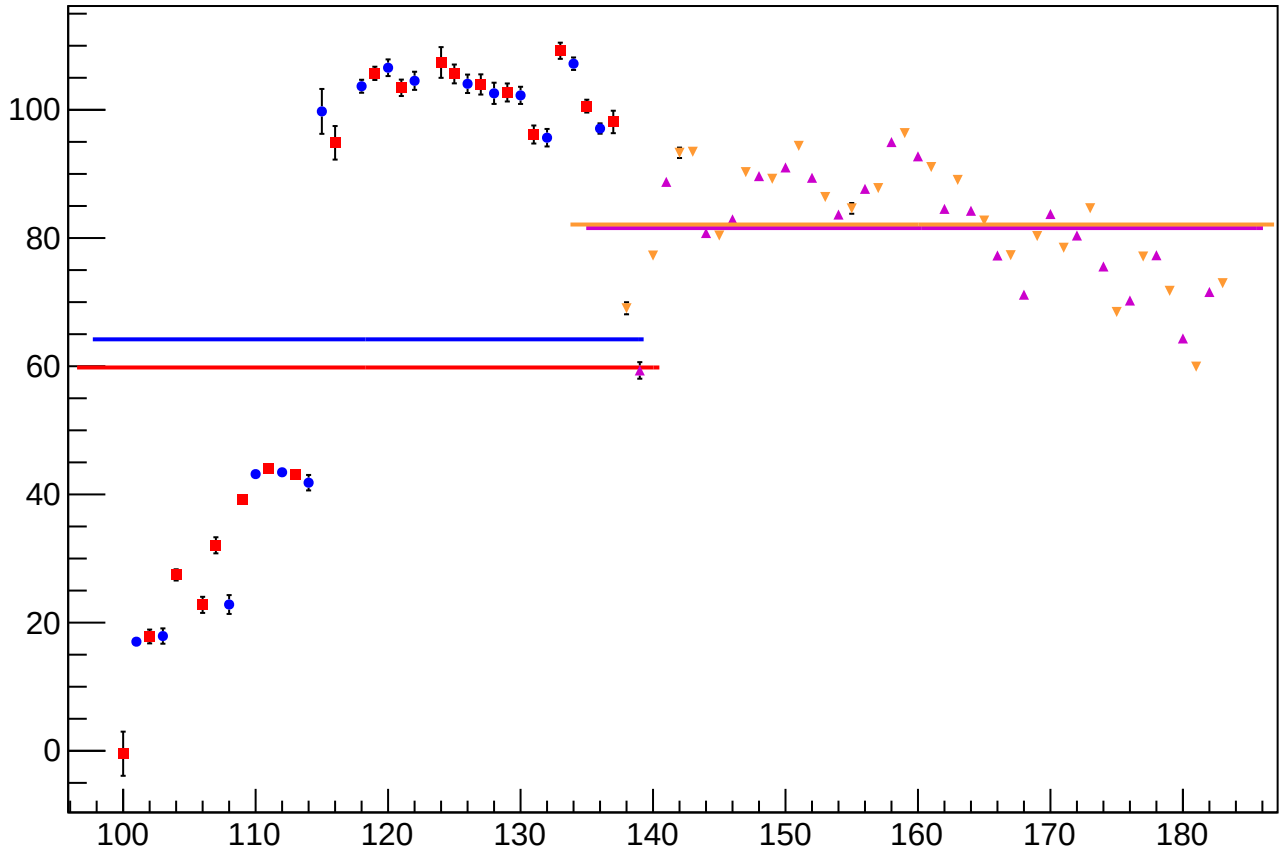
Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -27.753+/-0.150 χ^2/NDF:15581.4/21

+ sign -30.518+/-0.122 χ^2/NDF: 23145.2/39

All: -30.930+/-0.086 χ^2/NDF: 43260.7/80

- sign -31.345+/-0.122 χ^2/NDF: 20092.5/40



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 82.108+/-0.126 χ^2/NDF:5373.4/23

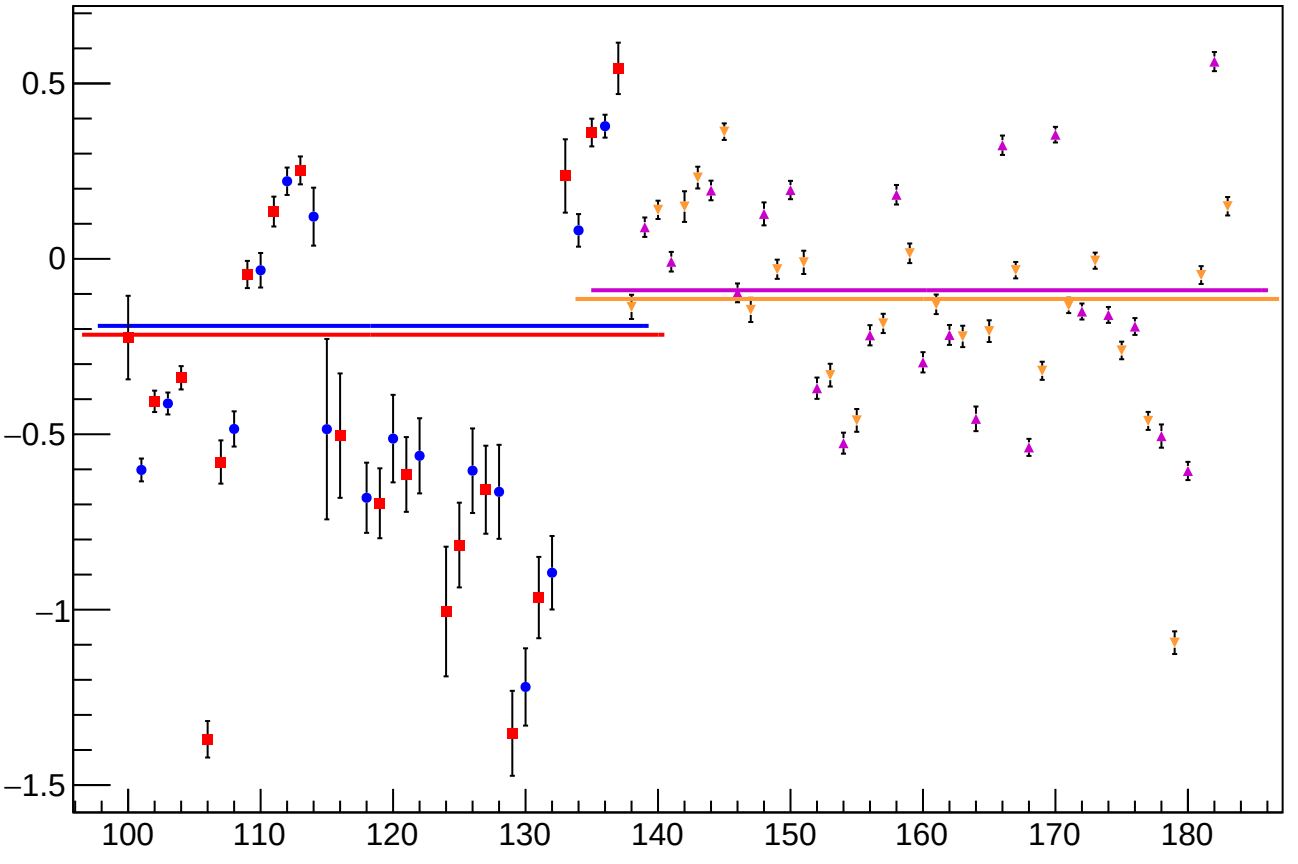
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 81.554+/-0.130 χ^2/NDF:4042.1/21

+ sign 78.655+/-0.113 χ^2/NDF: 27875.9/39

All: 77.790+/-0.081 χ^2/NDF: 55474.9/80

- sign 76.892+/-0.115 χ^2/NDF: 27479.7/40



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.114+/-0.006 χ^2/NDF:2237.6/23

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

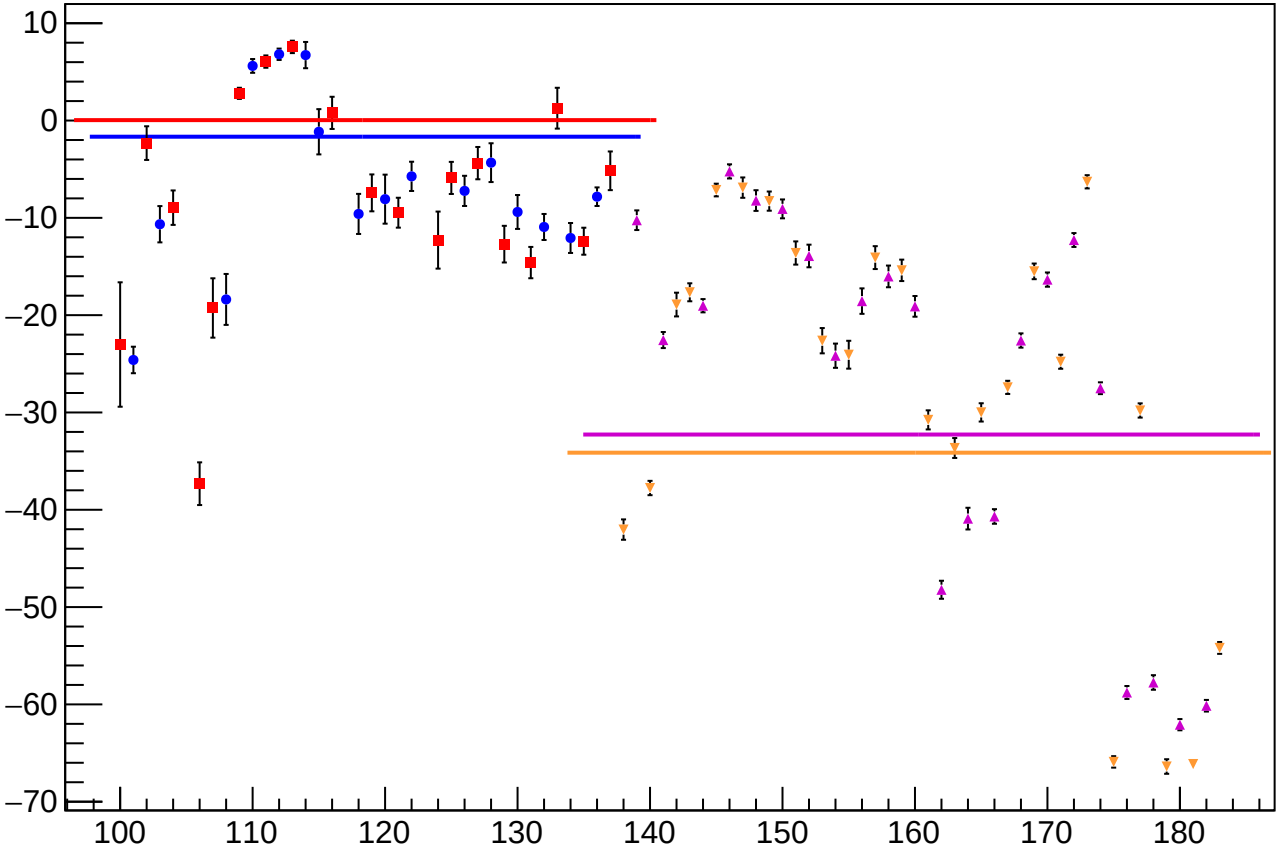
Left In: -0.089+/-0.006 χ^2/NDF:3025.4/21

+ sign -0.126+/-0.005 χ^2/NDF: 3183.6/39

All: -0.118+/-0.004 χ^2/NDF: 7661.4/80

- sign -0.111+/-0.005 χ^2/NDF: 4473.5/40

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -34.133+/-0.166 χ^2/NDF:16901.9/23

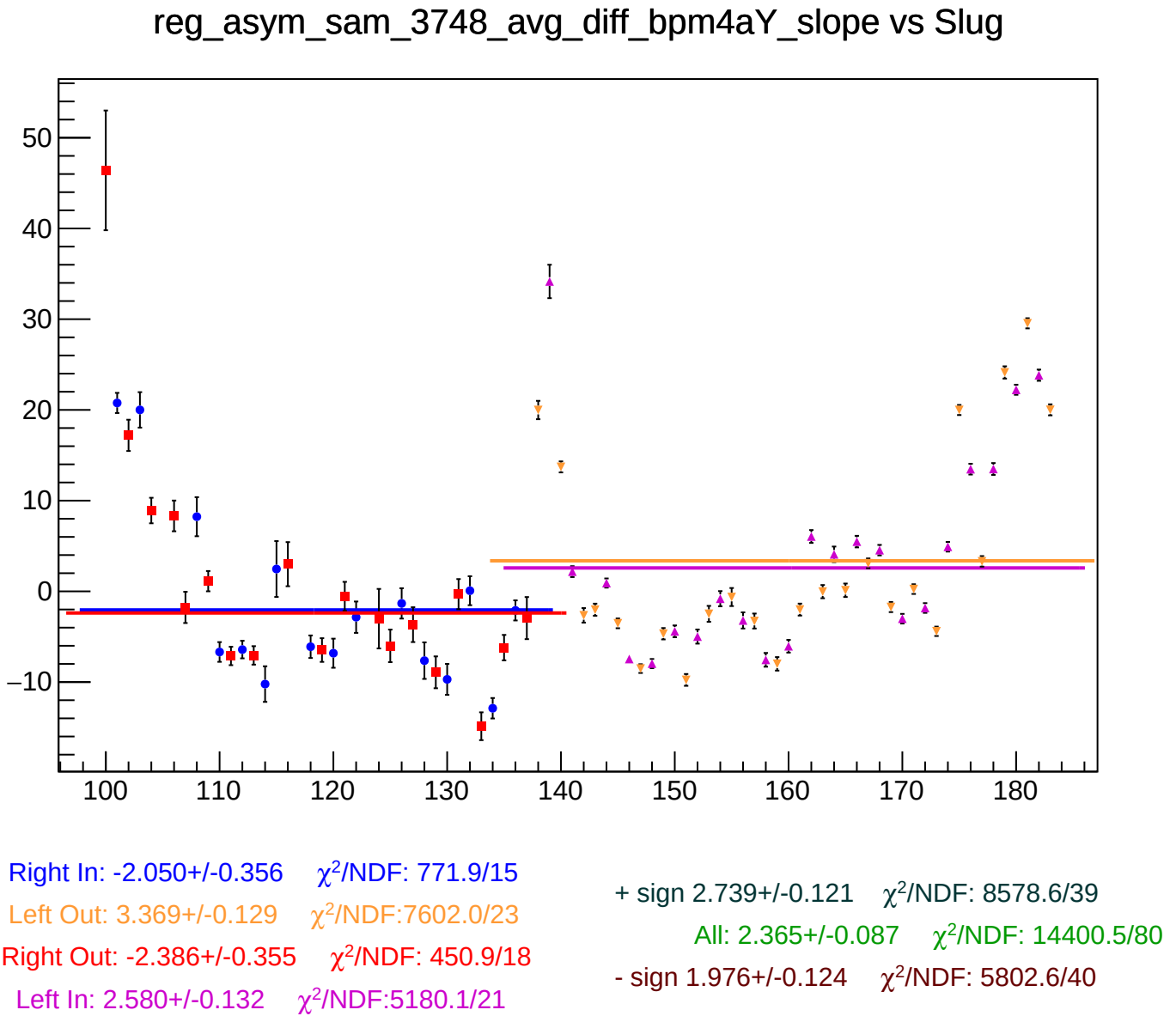
Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

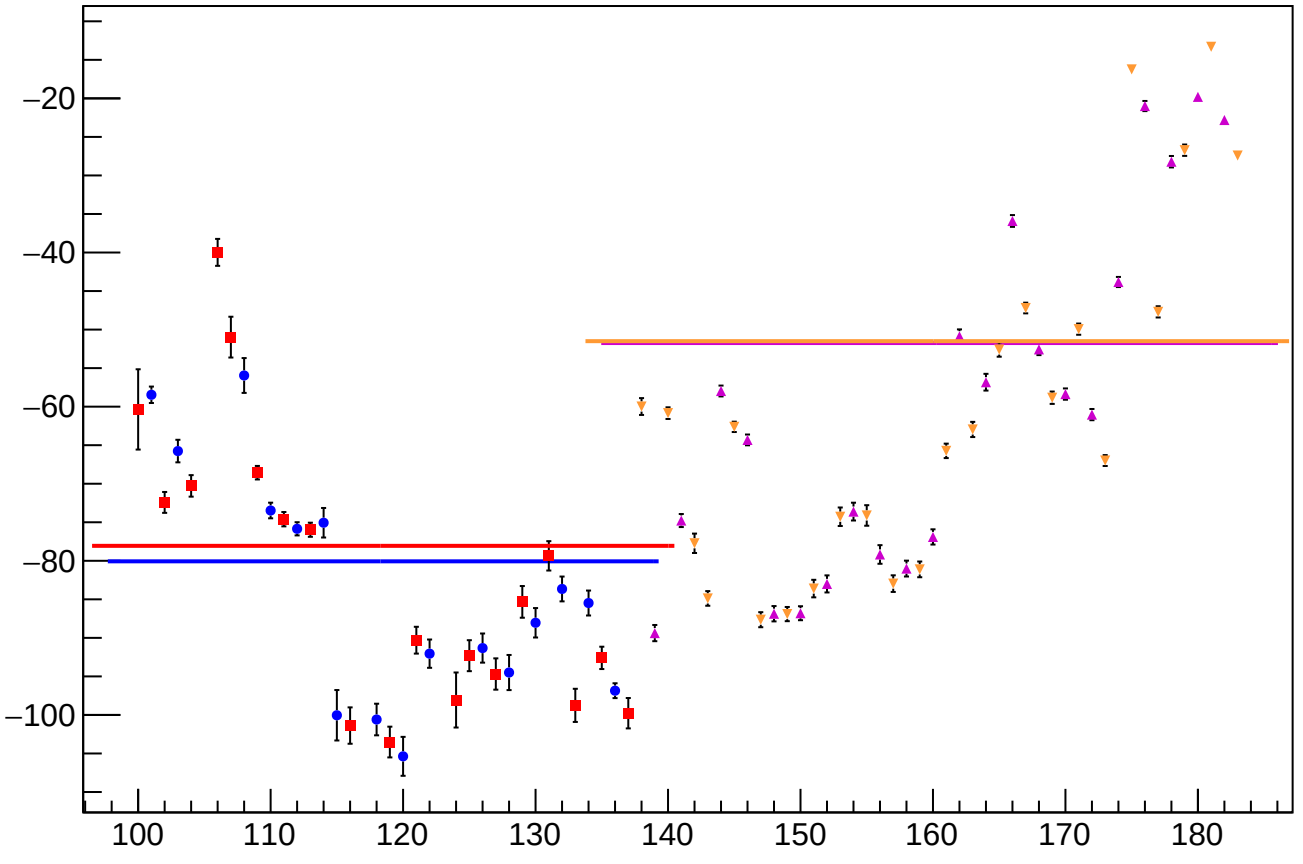
Left In: -32.268+/-0.171 χ^2/NDF:13766.5/21

+ sign -26.804+/-0.146 χ^2/NDF: 26404.8/39

All: -25.178+/-0.104 χ^2/NDF: 50941.3/80

- sign -23.551+/-0.146 χ^2/NDF: 24289.6/40


reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
Right In: -2.050+/-0.356 χ²/NDF: 771.9/15
Left Out: 3.369+/-0.129 χ²/NDF:7602.0/23
Right Out: -2.386+/-0.355 χ²/NDF: 450.9/18
Left In: 2.580+/-0.132 χ²/NDF:5180.1/21
+ sign 2.739+/-0.121 χ²/NDF: 8578.6/39
All: 2.365+/-0.087 χ²/NDF: 14400.5/80
- sign 1.976+/-0.124 χ²/NDF: 5802.6/40



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -51.502+/-0.166 χ^2/NDF:20455.0/23

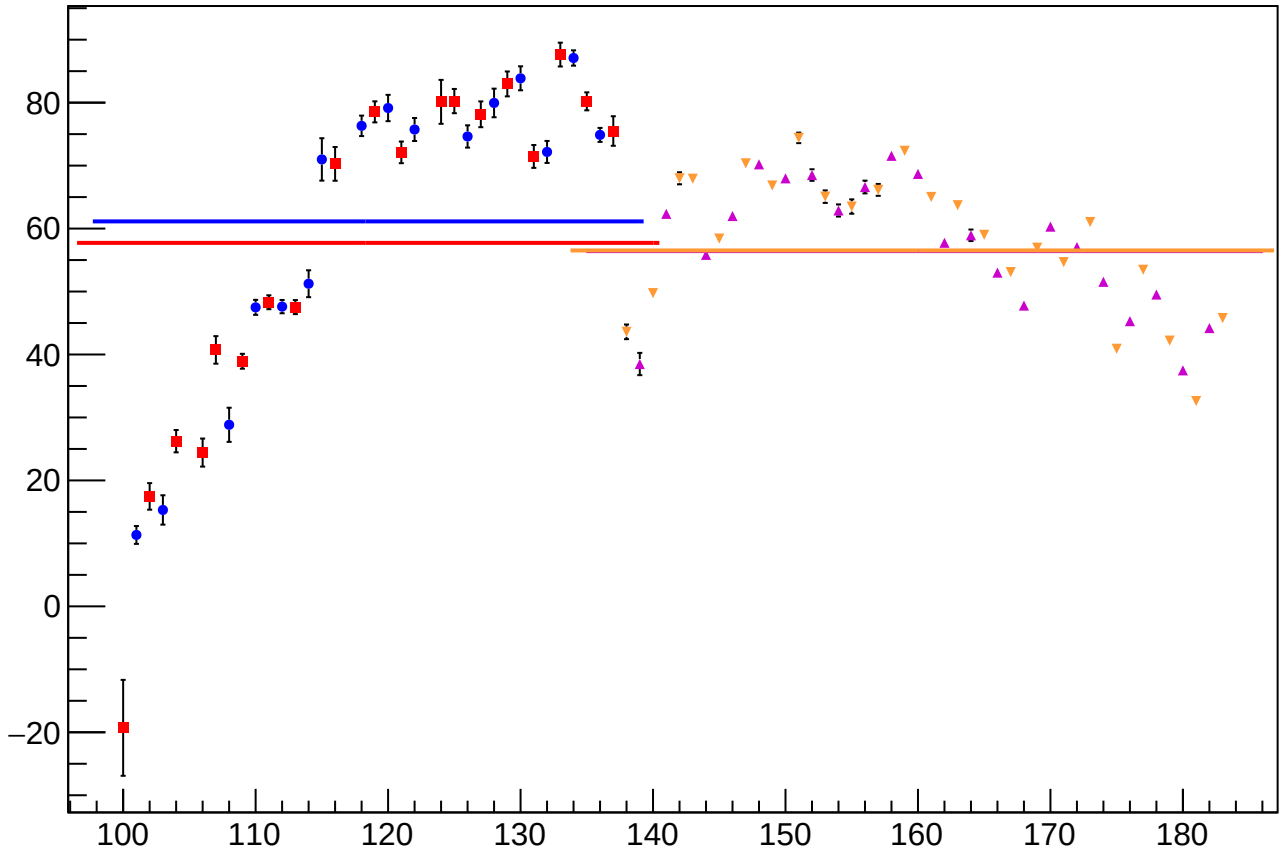
Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -51.745+/-0.171 χ^2/NDF:17594.7/21

+ sign -56.432+/-0.151 χ^2/NDF: 26927.0/39

All: -56.578+/-0.108 χ^2/NDF: 50576.0/80

- sign -56.728+/-0.154 χ^2/NDF: 23647.1/40



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 56.523+/-0.145 χ^2/NDF:5646.7/23

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

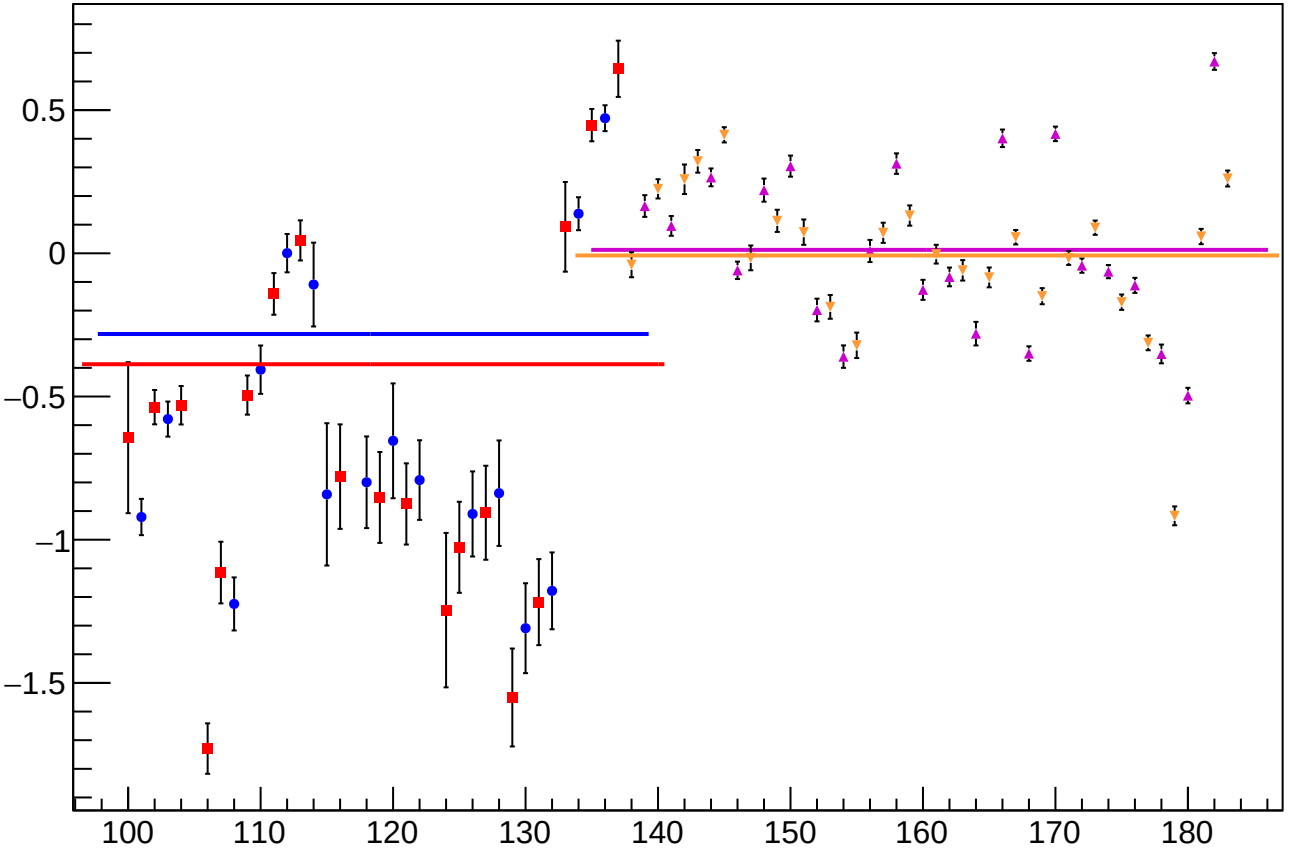
Left In: 56.420+/-0.149 χ^2/NDF:3954.3/21

\+ sign 57.060+/-0.137 χ^2/NDF: 8993.3/39

All: 56.824+/-0.098 χ^2/NDF: 15738.6/80

\- sign 56.578+/-0.139 χ^2/NDF: 6739.3/40

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: -0.008+/-0.007 χ^2/NDF:1586.8/23

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

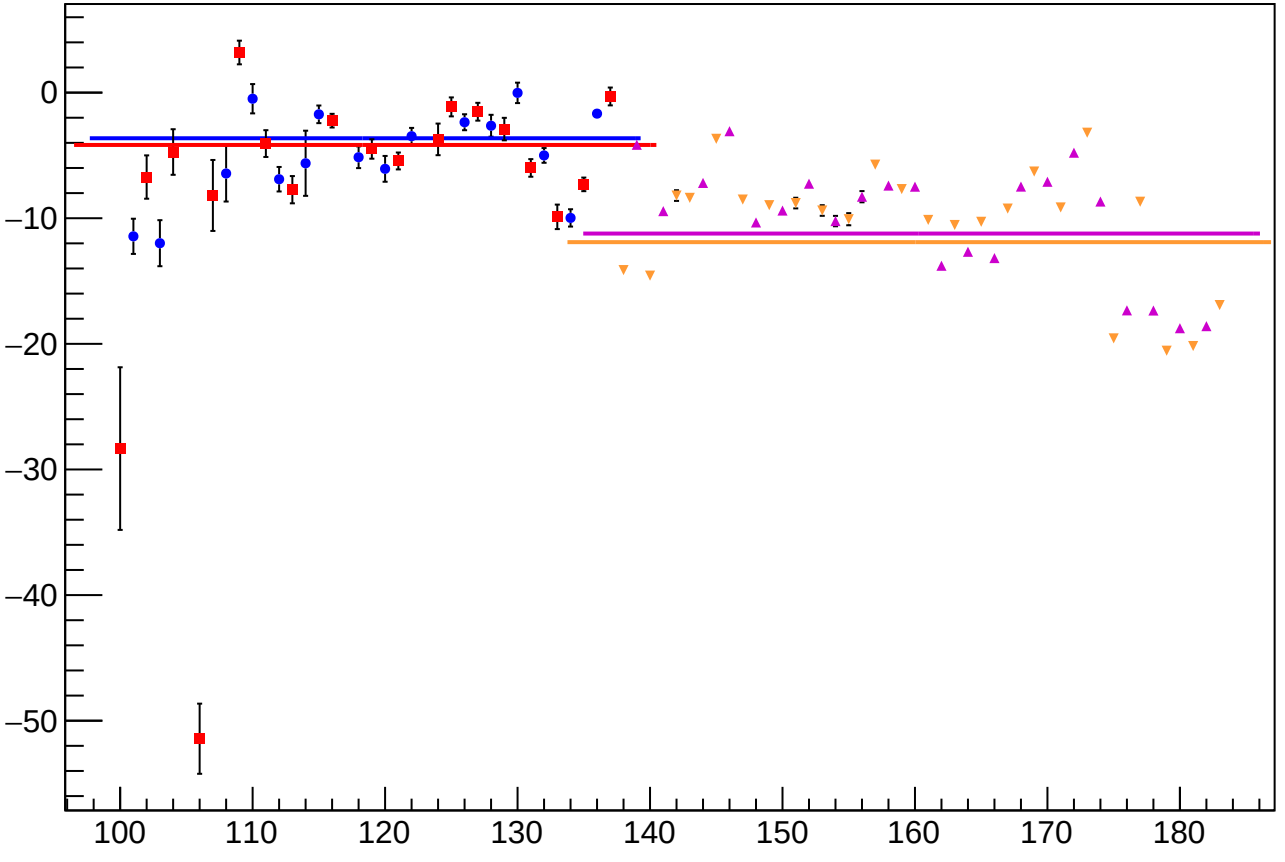
Left In: 0.012+/-0.007 χ^2/NDF:2087.9/21

+ sign -0.030+/-0.006 χ^2/NDF: 2462.3/39

All: -0.026+/-0.004 χ^2/NDF: 5674.2/80

- sign -0.022+/-0.006 χ^2/NDF: 3210.9/40

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -11.904+/-0.053 χ^2/NDF:11775.8/23

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

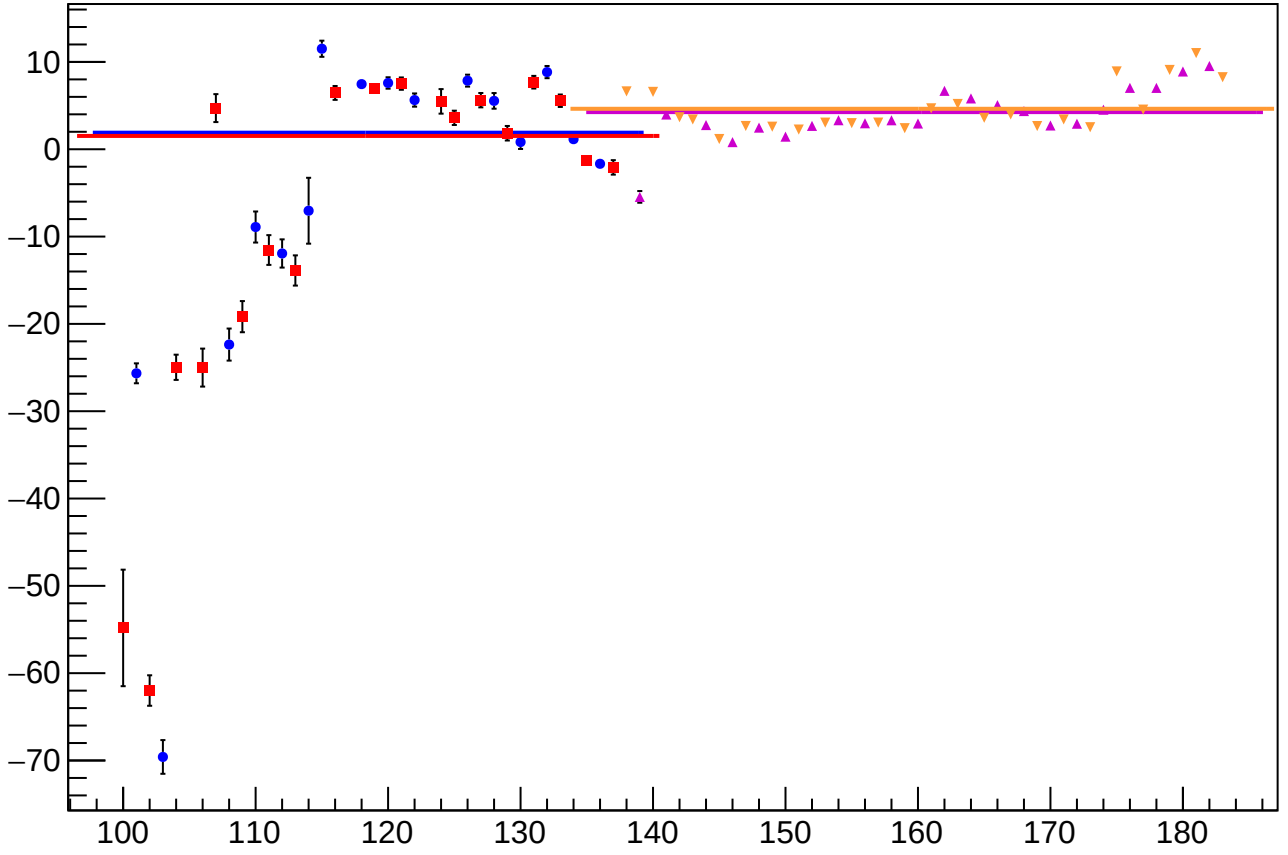
Left In: -11.220+/-0.055 χ^2/NDF:9133.8/21

+ sign -11.297+/-0.051 χ^2/NDF: 13784.0/39

All: -11.020+/-0.037 χ^2/NDF: 24670.8/80

- sign -10.728+/-0.053 χ^2/NDF: 10826.9/40

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 4.635+/-0.042 χ^2/NDF:4198.0/23

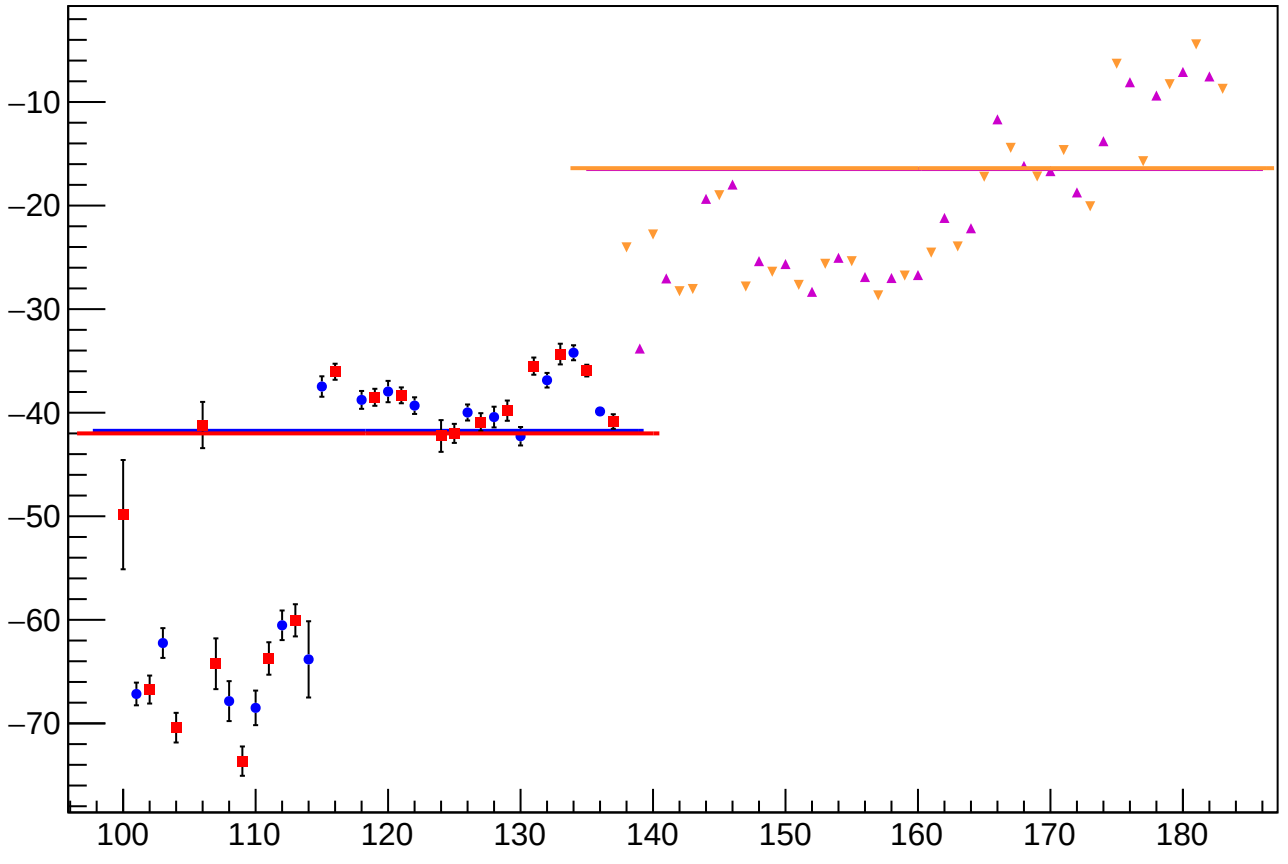
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 4.254+/-0.042 χ^2/NDF:3501.1/21

+ sign 4.508+/-0.041 χ^2/NDF: 7236.0/39

All: 4.330+/-0.029 χ^2/NDF: 13500.5/80

- sign 4.145+/-0.042 χ^2/NDF: 6225.7/40



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -16.389+/-0.053 χ^2/NDF:21795.5/23

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

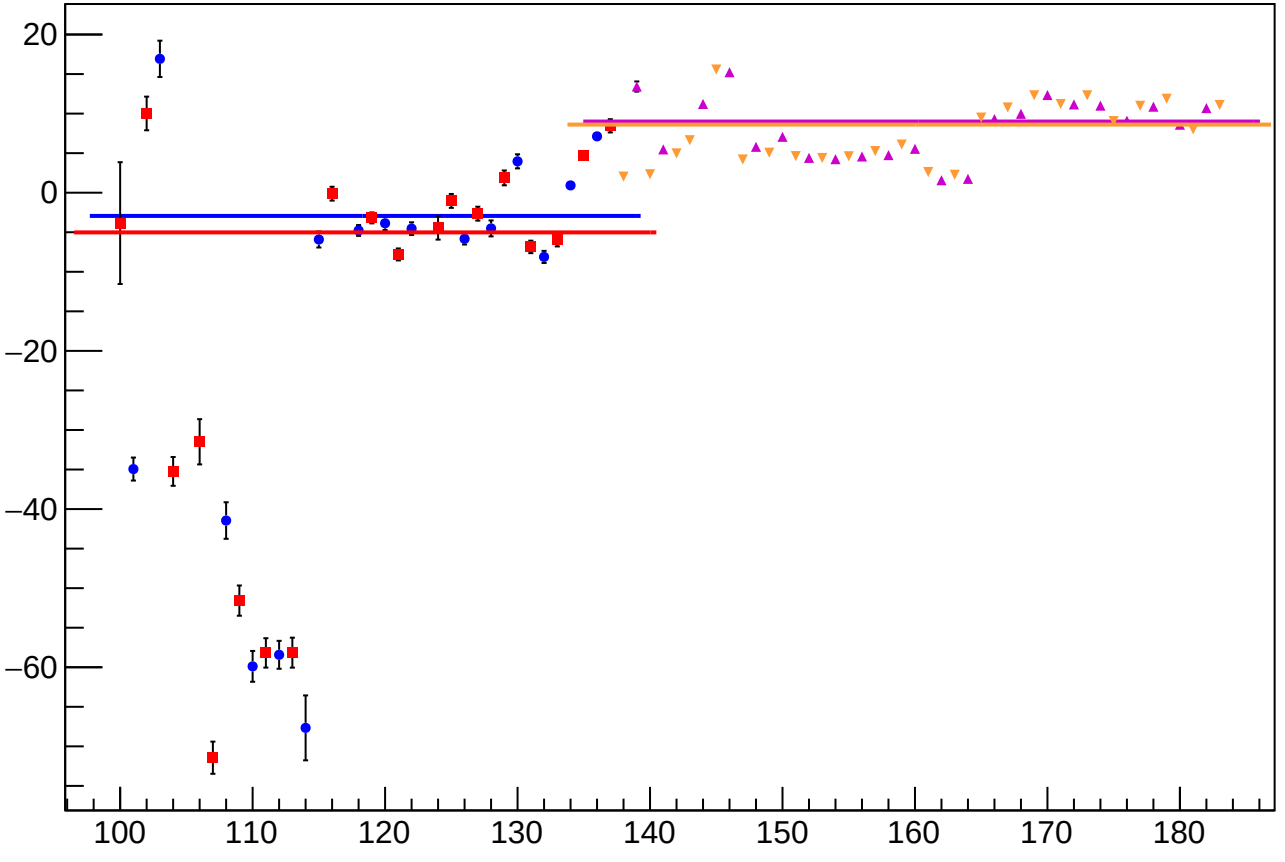
Left In: -16.472+/-0.055 χ^2/NDF:17957.2/21

+ sign -17.958+/-0.052 χ^2/NDF: 37427.3/39

All: -17.905+/-0.037 χ^2/NDF: 69203.3/80

- sign -17.849+/-0.053 χ^2/NDF: 31773.8/40

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.612+/-0.047 χ^2/NDF:6535.6/23

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

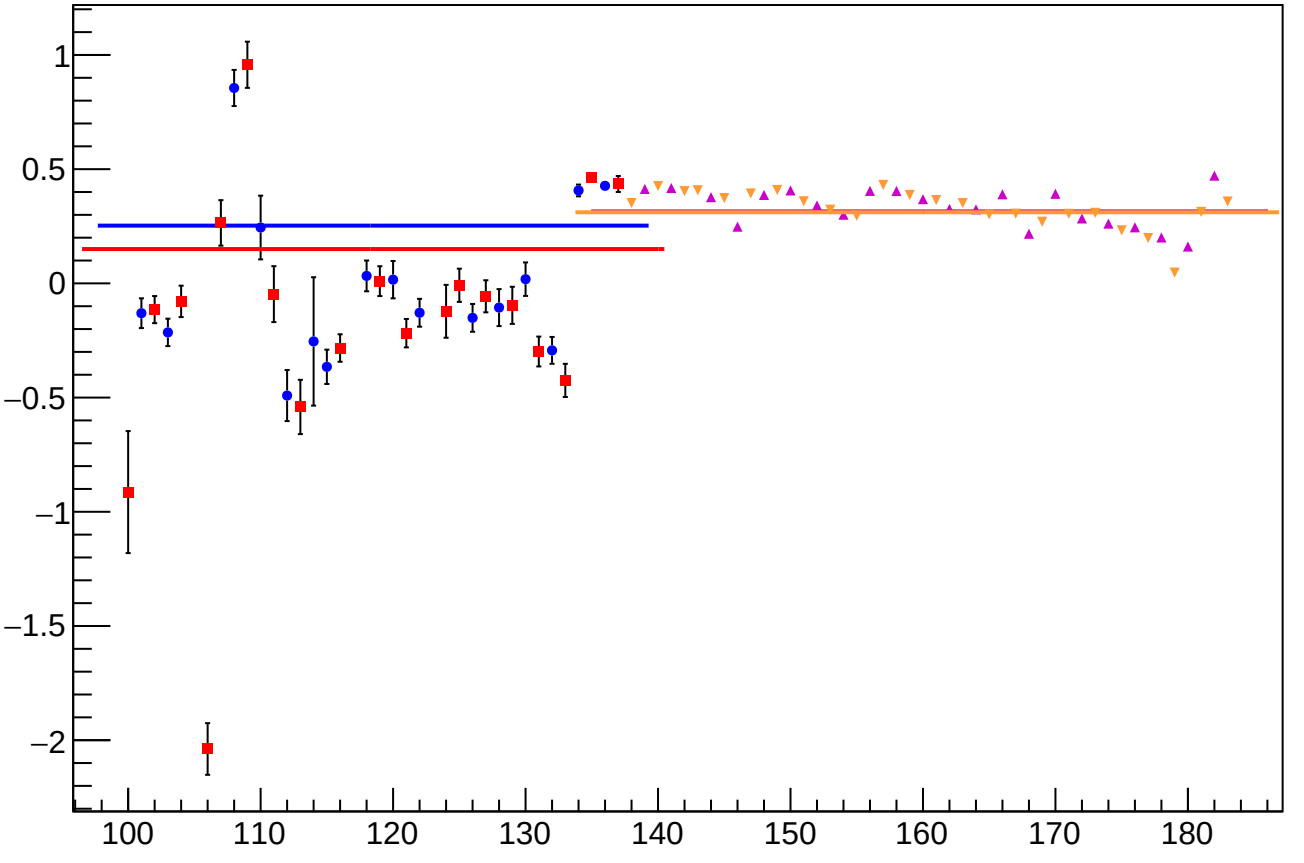
Left In: 8.996+/-0.047 χ^2/NDF:5477.6/21

+ sign 8.067+/-0.046 χ^2/NDF: 13152.1/39

All: 8.246+/-0.033 χ^2/NDF: 26546.2/80

- sign 8.431+/-0.047 χ^2/NDF: 13362.8/40

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.311+/-0.002 χ^2/NDF:1538.7/23

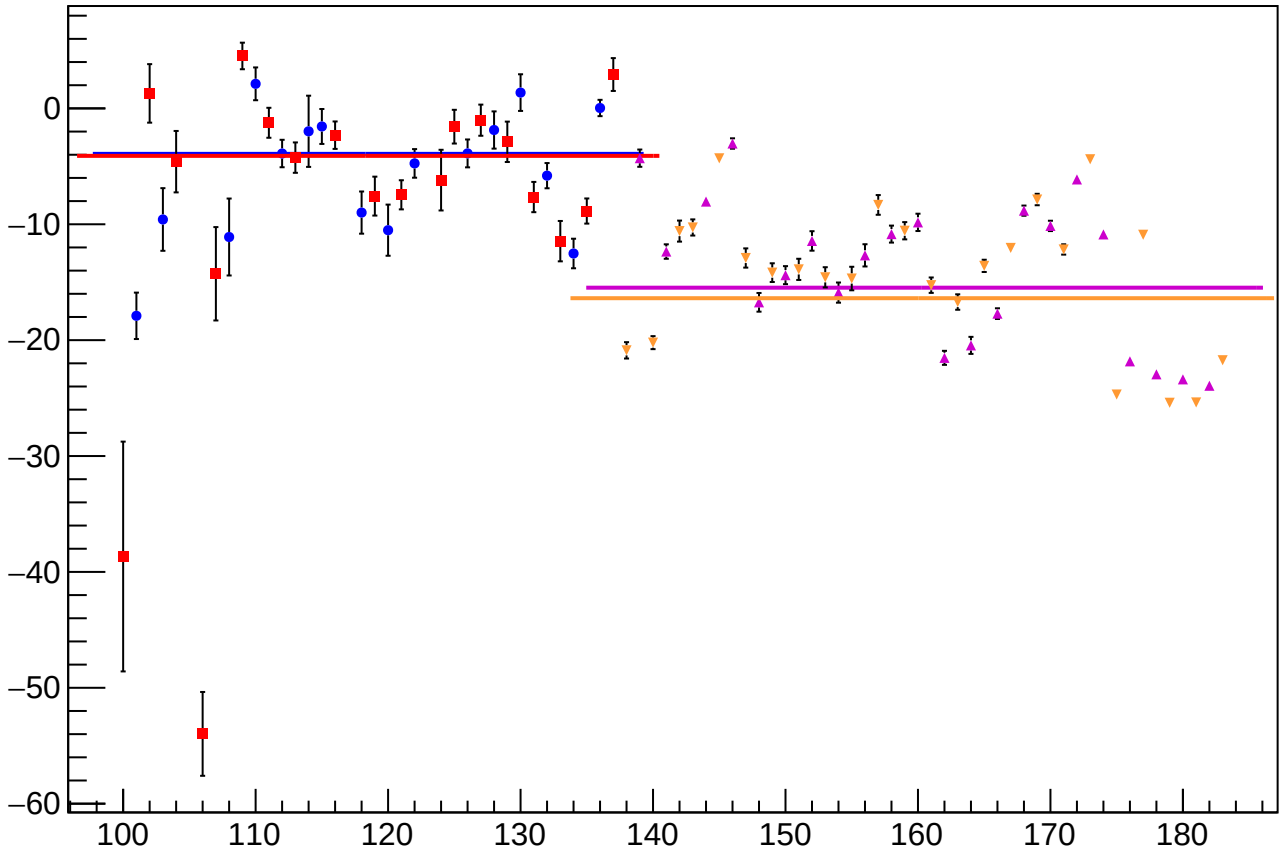
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.315+/-0.002 χ^2/NDF:1642.6/21

+ sign 0.309+/-0.002 χ^2/NDF: 2194.8/39

All: 0.310+/-0.001 χ^2/NDF: 5004.5/80

- sign 0.311+/-0.002 χ^2/NDF: 2809.4/40



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -16.380+/-0.101 χ^2/NDF:5417.8/23

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

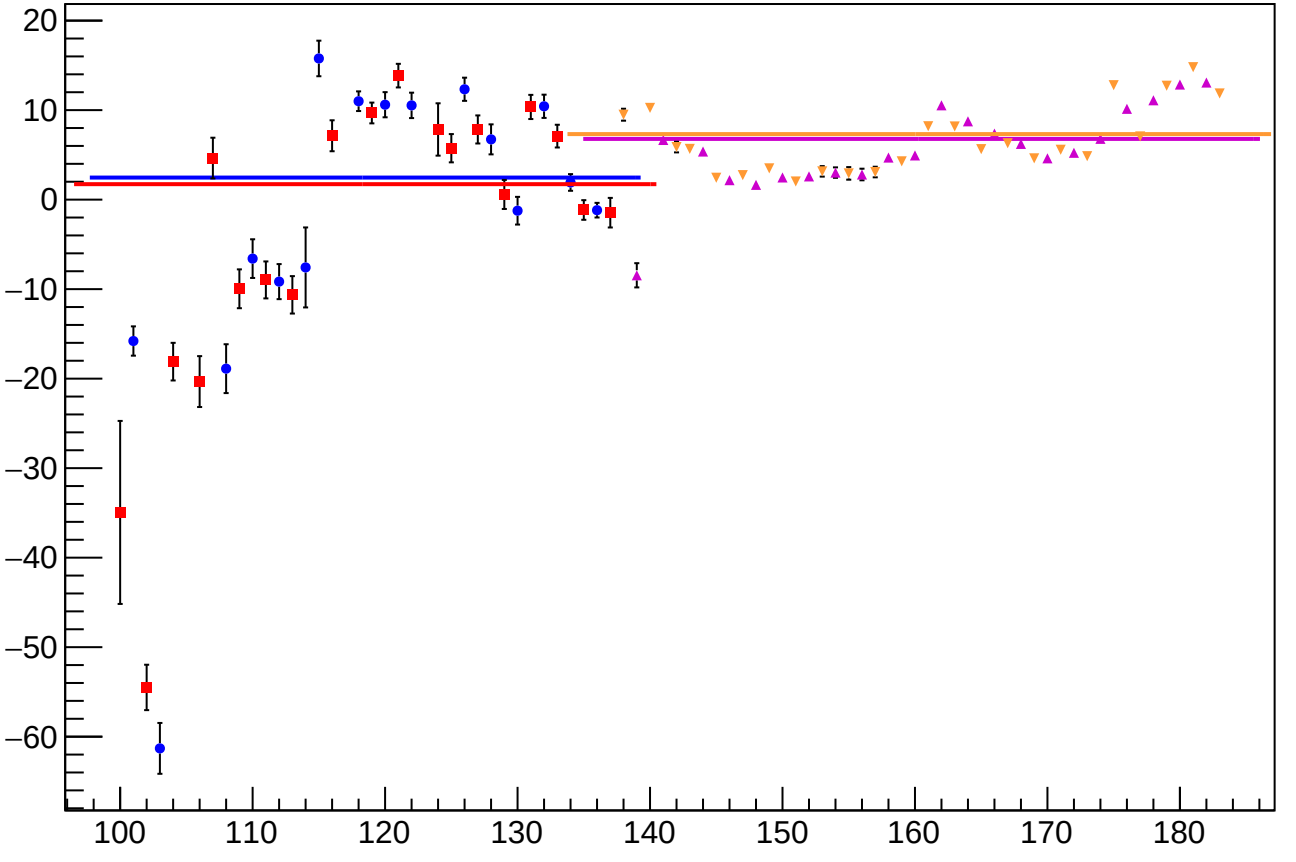
Left In: -15.472+/-0.103 χ^2/NDF:4719.8/21

+ sign -15.407+/-0.097 χ^2/NDF: 6801.2/39

All: -15.010+/-0.069 χ^2/NDF: 12860.3/80

- sign -14.590+/-0.099 χ^2/NDF: 6024.3/40

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 7.322+/-0.081 χ^2/NDF:2377.9/23

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

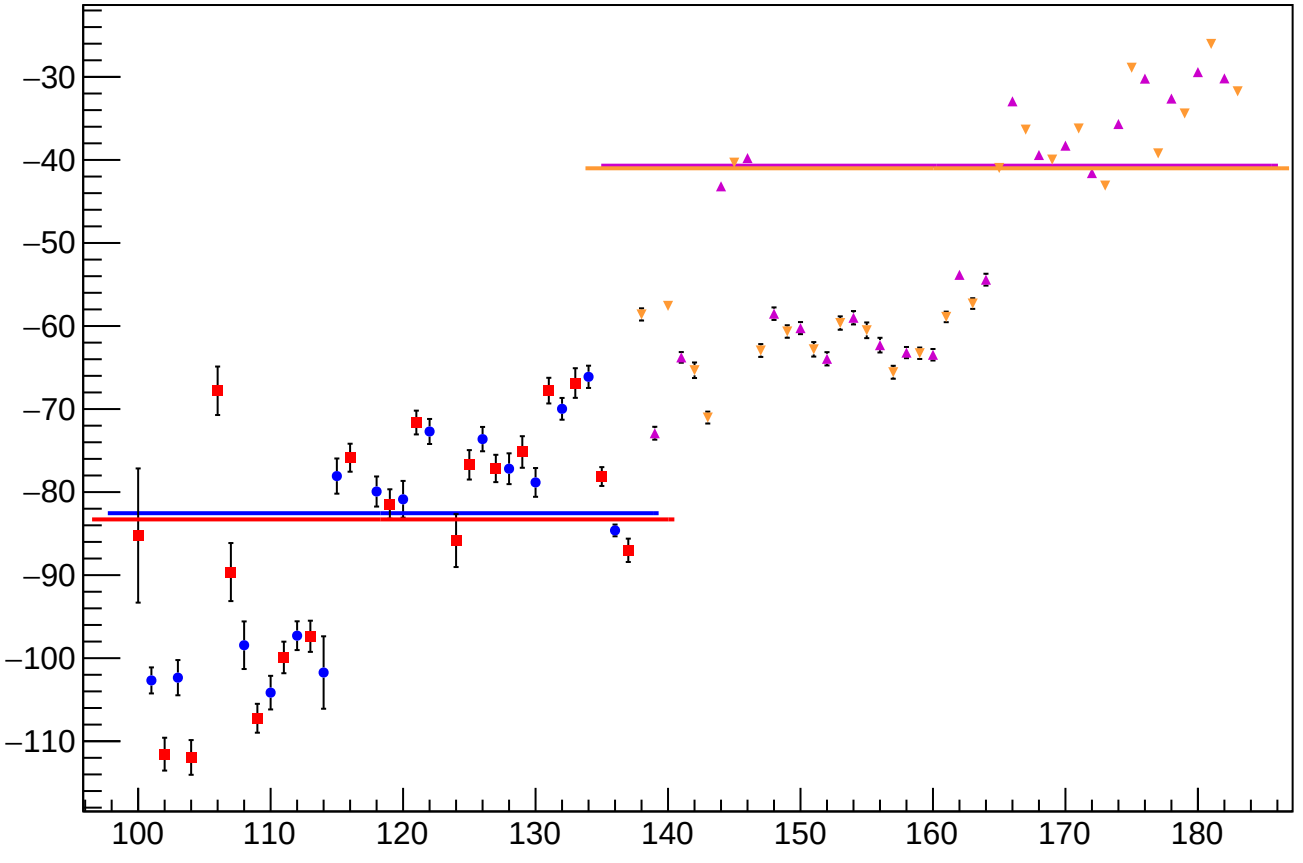
Left In: 6.783+/-0.082 χ^2/NDF:2115.8/21

+ sign 7.084+/-0.079 χ^2/NDF: 3600.9/39

All: 6.828+/-0.056 χ^2/NDF: 6885.0/80

- sign 6.565+/-0.080 χ^2/NDF: 3263.0/40

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -41.007+/-0.101 χ^2/NDF:15957.9/23

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

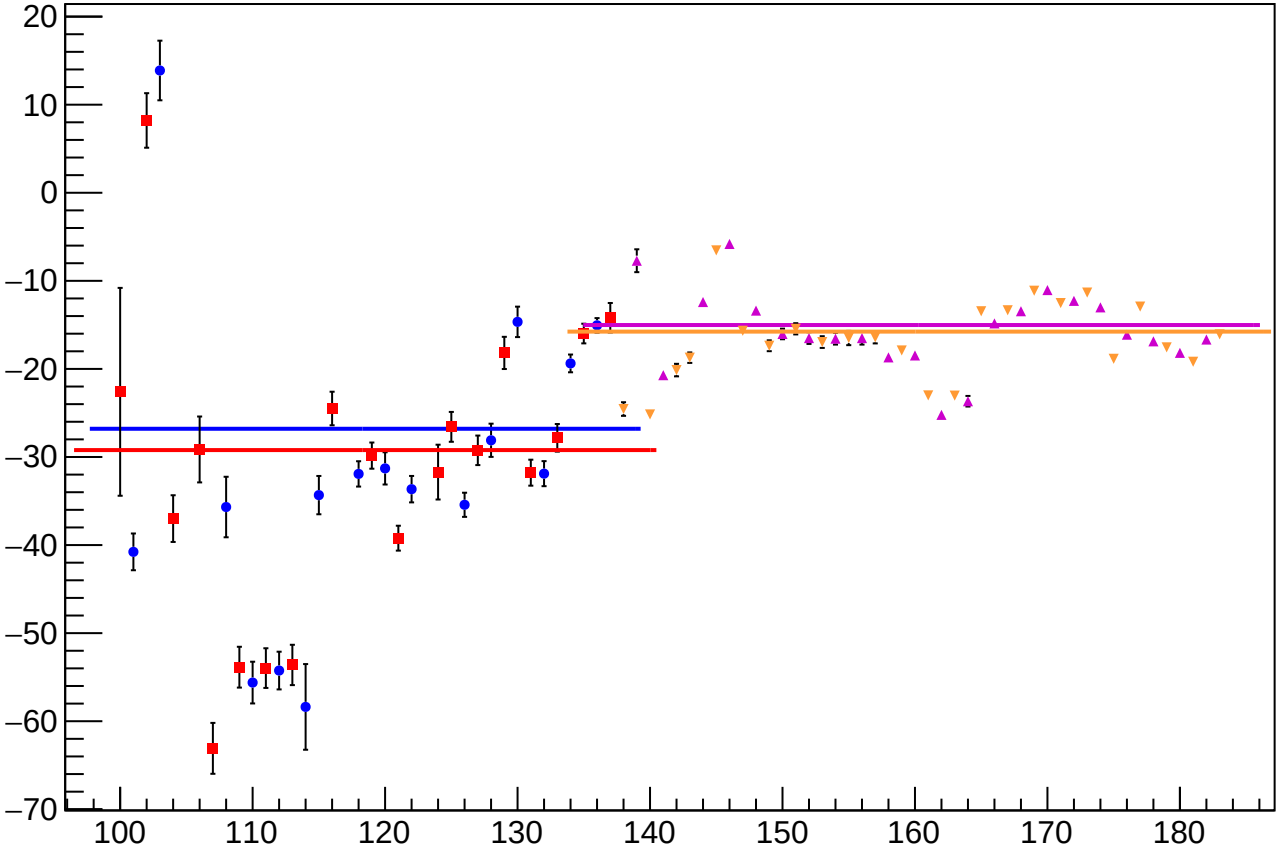
Left In: -40.692+/-0.104 χ^2/NDF:13538.9/21

+ sign -43.703+/-0.098 χ^2/NDF: 27719.0/39

All: -43.457+/-0.070 χ^2/NDF: 52315.2/80

- sign -43.199+/-0.101 χ^2/NDF: 24583.3/40

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.764+/-0.090 χ^2/NDF:2351.8/23

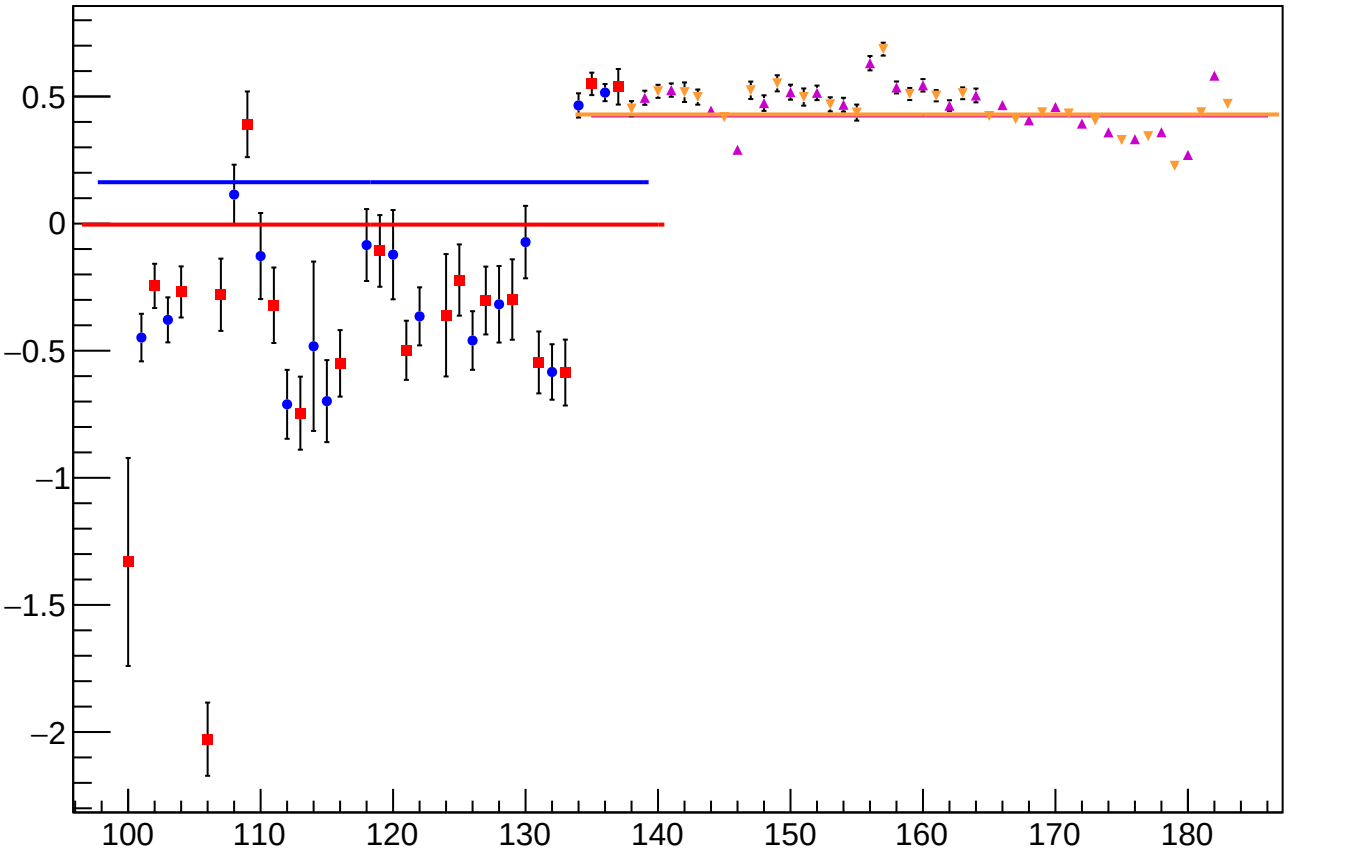
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -15.018+/-0.091 χ^2/NDF:2146.5/21

+ sign -16.307+/-0.088 χ^2/NDF: 4054.6/39

All: -15.973+/-0.063 χ^2/NDF: 8229.6/80

- sign -15.627+/-0.089 χ^2/NDF: 4145.4/40



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.429+/-0.004 χ^2/NDF:415.2/23

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

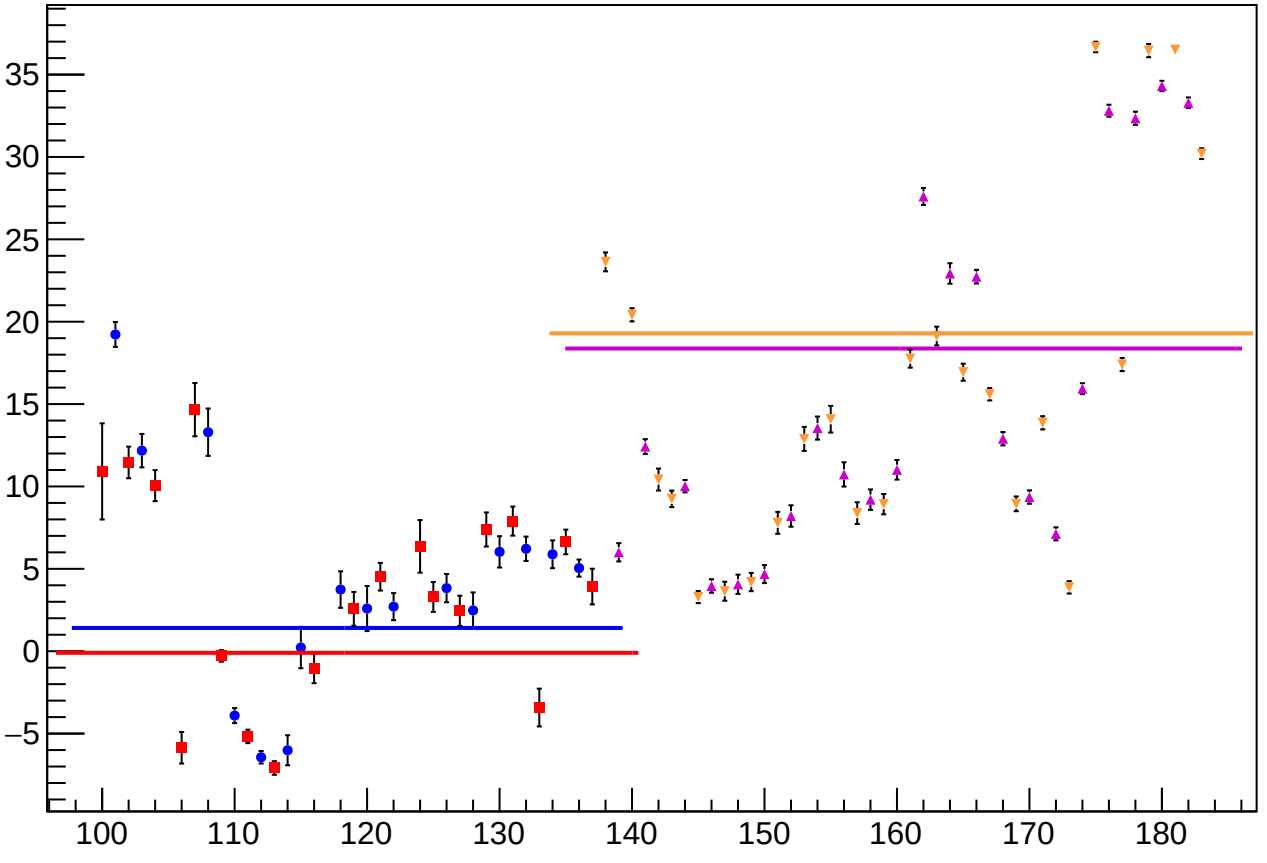
Left In: 0.425+/-0.004 χ^2/NDF:527.7/21

+ sign 0.420+/-0.004 χ^2/NDF: 987.6/39

All: 0.417+/-0.003 χ^2/NDF: 2390.8/80

- sign 0.414+/-0.004 χ^2/NDF: 1401.8/40

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 19.296+/-0.091 χ^2/NDF:17283.2/23

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

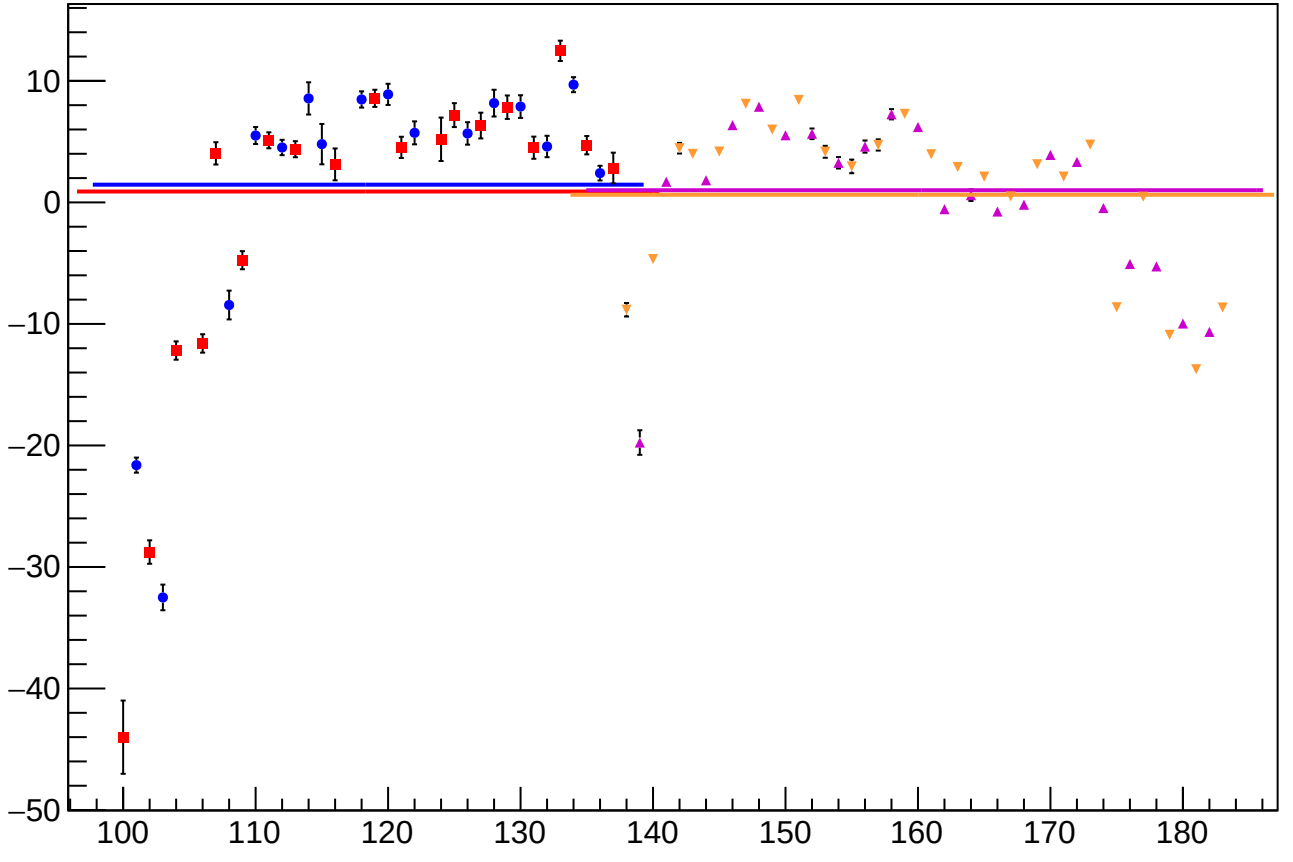
Left In: 18.373+/-0.094 χ^2/NDF:13939.8/21

\+ sign 15.730+/-0.082 χ^2/NDF: 26443.4/39

All: 14.830+/-0.058 χ^2/NDF: 51015.1/80

\- sign 13.921+/-0.082 χ^2/NDF: 24328.2/40

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 0.627+/-0.071 χ^2/NDF:8175.5/23

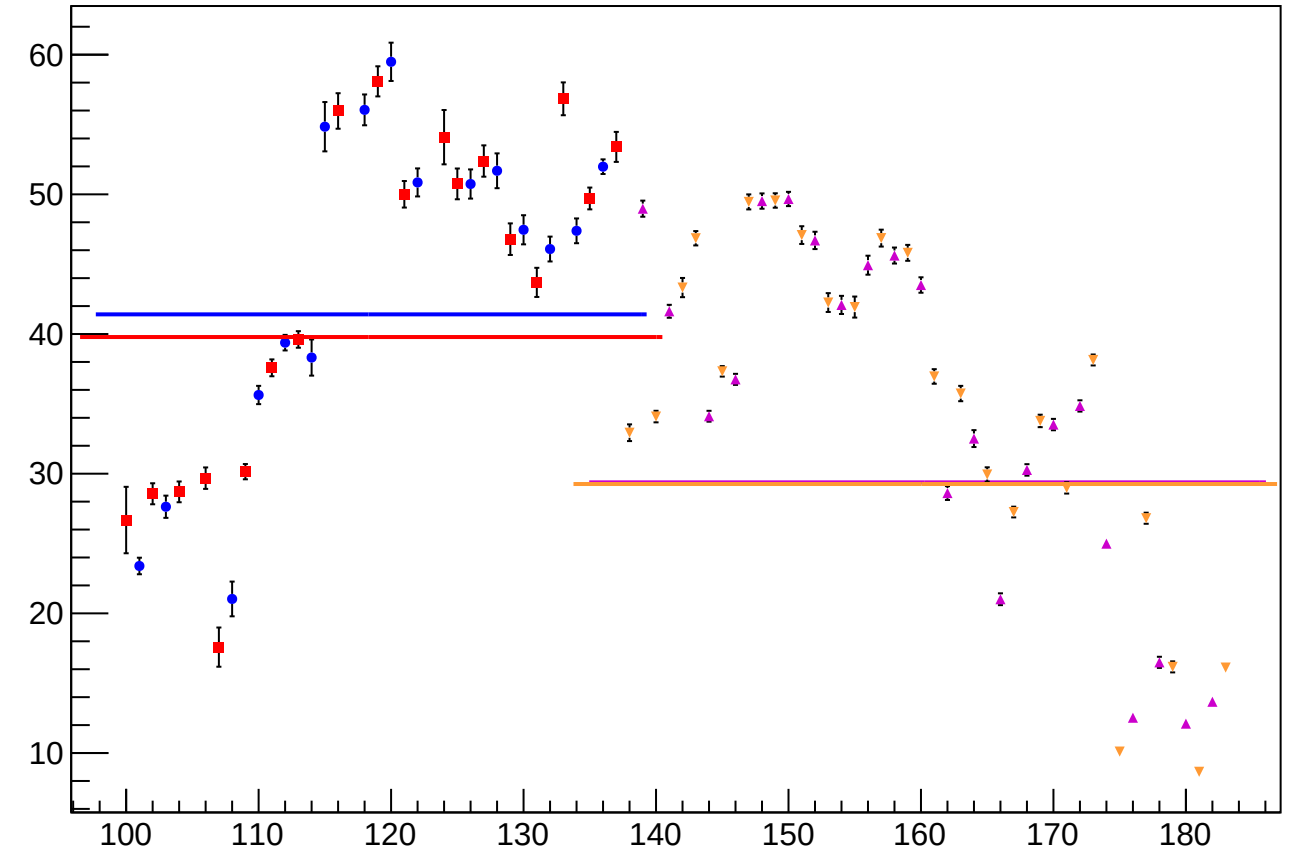
Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 1.001+/-0.073 χ^2/NDF:5751.5/21

+ sign 0.718+/-0.067 χ^2/NDF: 11270.6/39

All: 0.851+/-0.048 χ^2/NDF: 19407.4/80

- sign 0.989+/-0.069 χ^2/NDF: 8128.8/40



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 29.261+/-0.091 χ^2/NDF:20655.8/23

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

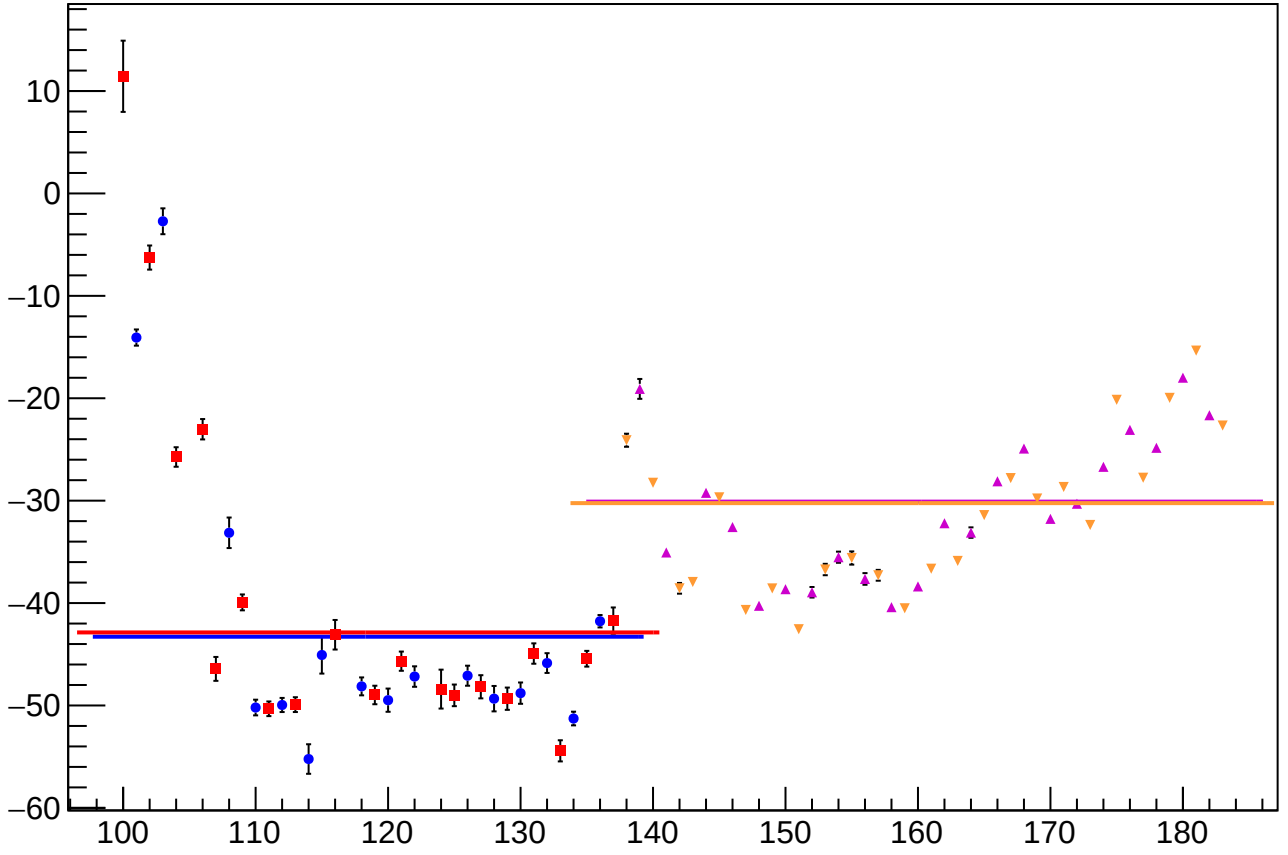
Left In: 29.380+/-0.094 χ^2/NDF:17841.9/21

\+ sign 31.188+/-0.084 χ^2/NDF: 26199.4/39

All: 31.205+/-0.060 χ^2/NDF: 48859.4/80

\- sign 31.223+/-0.085 χ^2/NDF: 22659.9/40

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -30.241+/-0.080 χ^2/NDF:8494.1/23

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

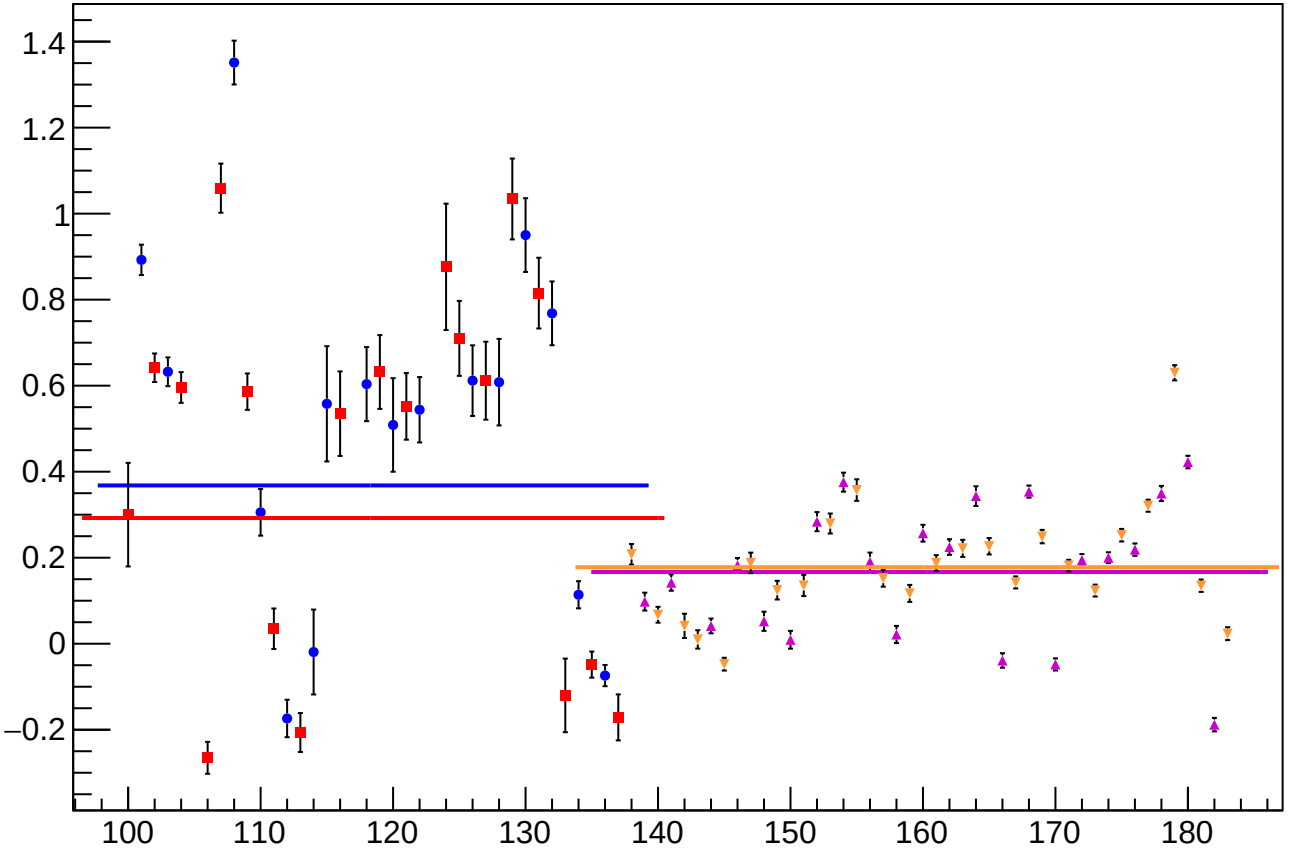
Left In: -30.094+/-0.082 χ^2/NDF:6024.5/21

+ sign -31.657+/-0.076 χ^2/NDF: 14363.5/39

All: -31.603+/-0.054 χ^2/NDF: 25600.3/80

- sign -31.546+/-0.077 χ^2/NDF: 11235.7/40

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.178+/-0.004 χ^2/NDF:1392.5/23

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

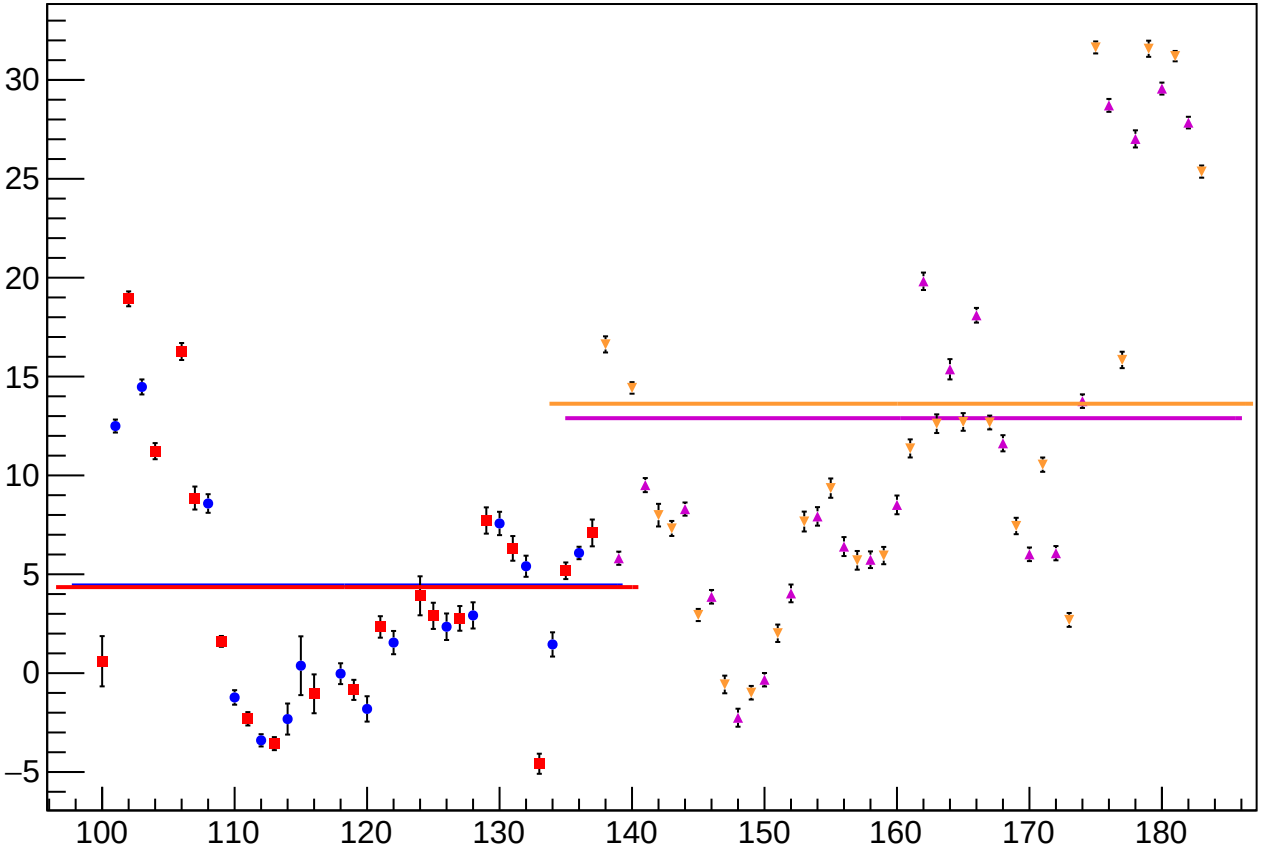
Left In: 0.167+/-0.004 χ^2/NDF:1917.3/21

+ sign 0.193+/-0.003 χ^2/NDF: 2936.6/39

All: 0.185+/-0.002 χ^2/NDF: 6162.1/80

- sign 0.177+/-0.004 χ^2/NDF: 3215.0/40

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 13.625+/-0.078 χ^2/NDF:18675.8/23

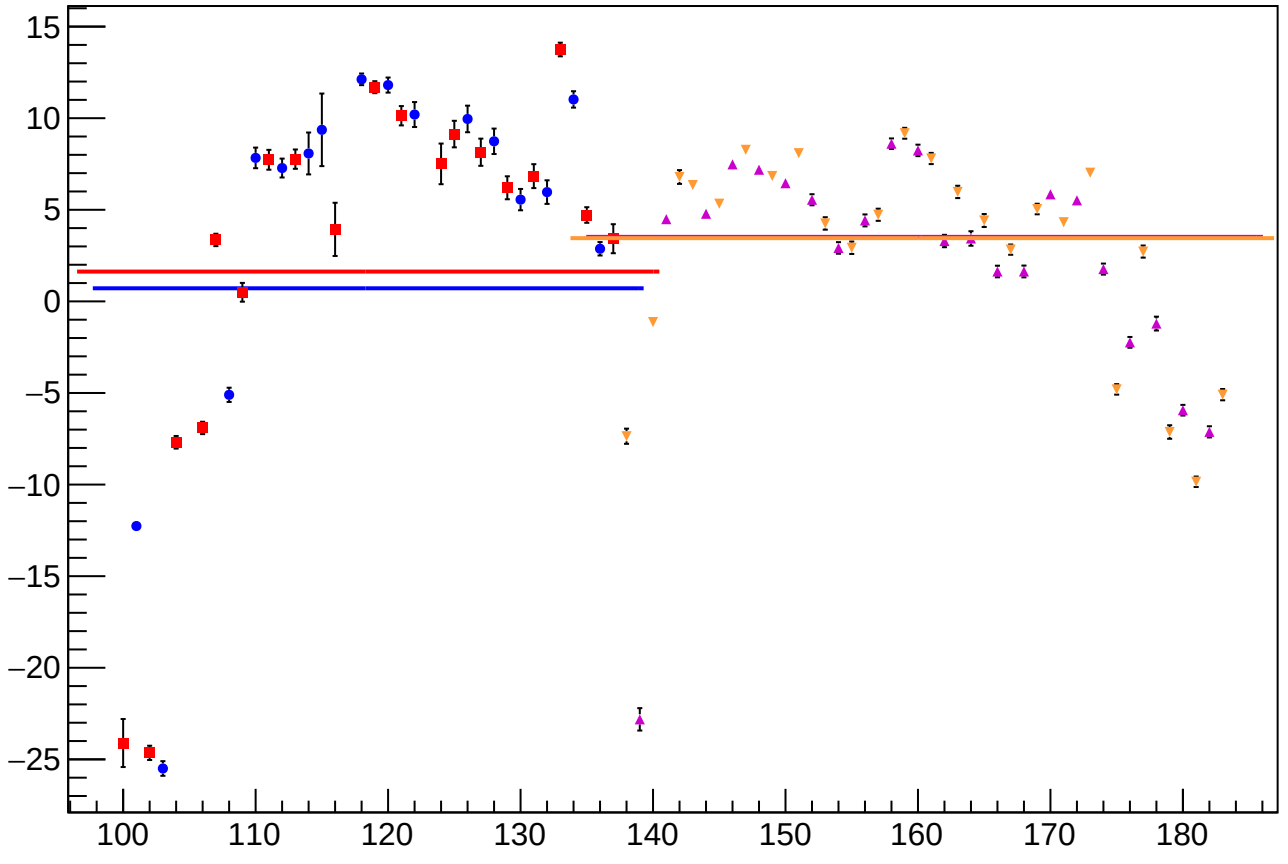
Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 12.894+/-0.080 χ^2/NDF:15358.0/21

+ sign 10.821+/-0.065 χ^2/NDF: 25587.8/39

All: 10.359+/-0.046 χ^2/NDF: 49235.0/80

- sign 9.898+/-0.065 χ^2/NDF: 23545.2/40



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 3.452+/-0.059 χ^2/NDF:7865.1/23

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

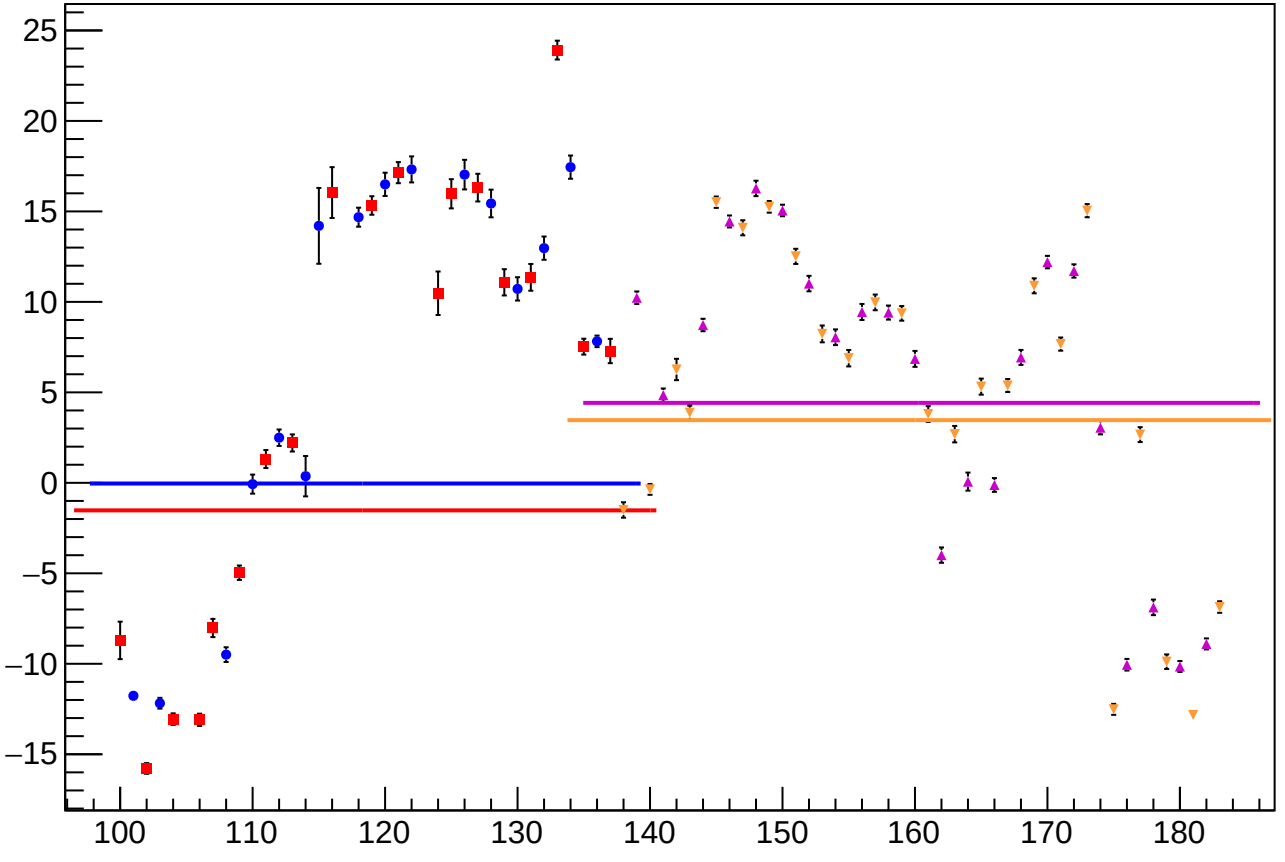
Left In: 3.522+/-0.061 χ^2/NDF:6344.1/21

+ sign 2.889+/-0.053 χ^2/NDF: 18761.8/39

All: 2.981+/-0.038 χ^2/NDF: 34590.9/80

- sign 3.078+/-0.054 χ^2/NDF: 15822.8/40

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 3.465+/-0.077 χ^2/NDF:14875.4/23

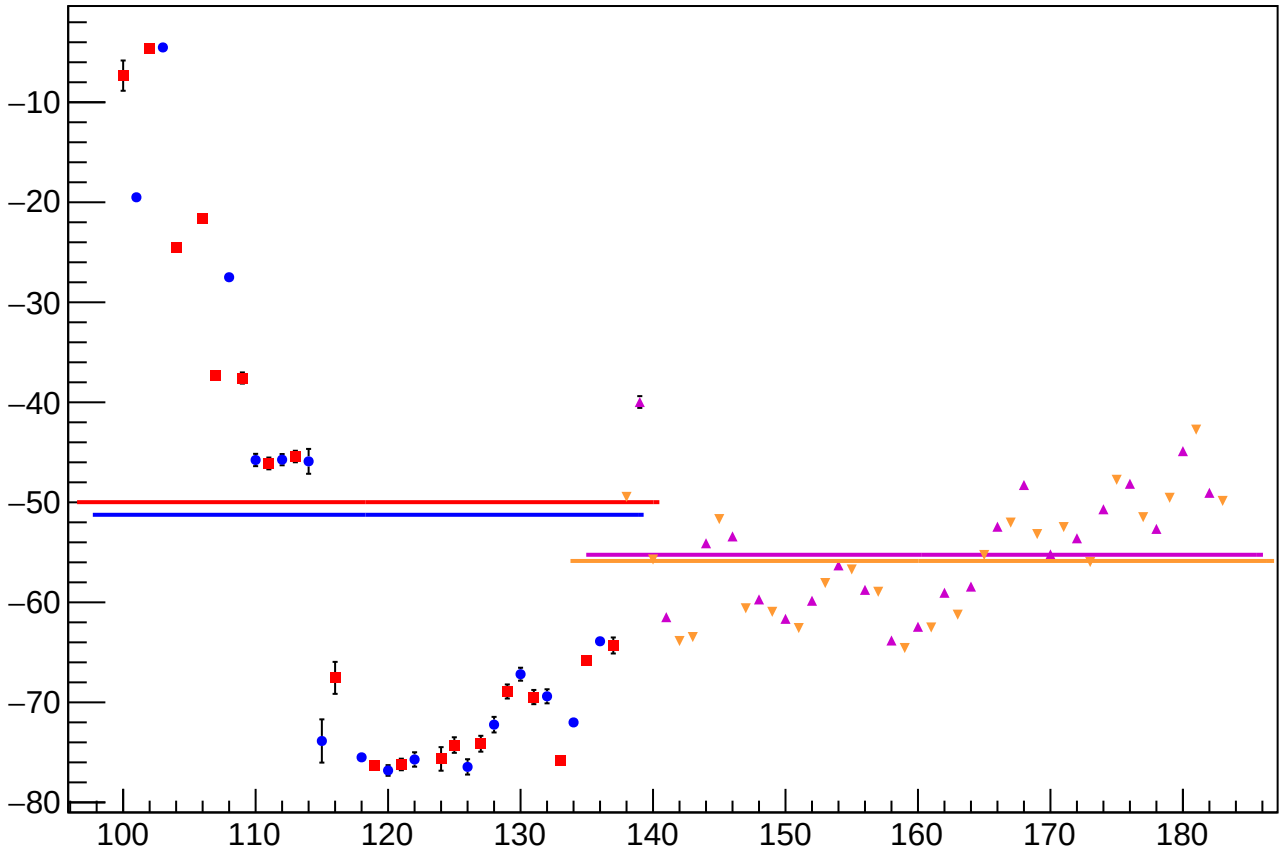
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 4.419+/-0.079 χ^2/NDF:12407.9/21

+ sign 2.434+/-0.065 χ^2/NDF: 24757.5/39

All: 2.469+/-0.046 χ^2/NDF: 51101.2/80

- sign 2.504+/-0.065 χ^2/NDF: 26343.1/40



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -55.862+/-0.067 χ^2/NDF:7580.8/23

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

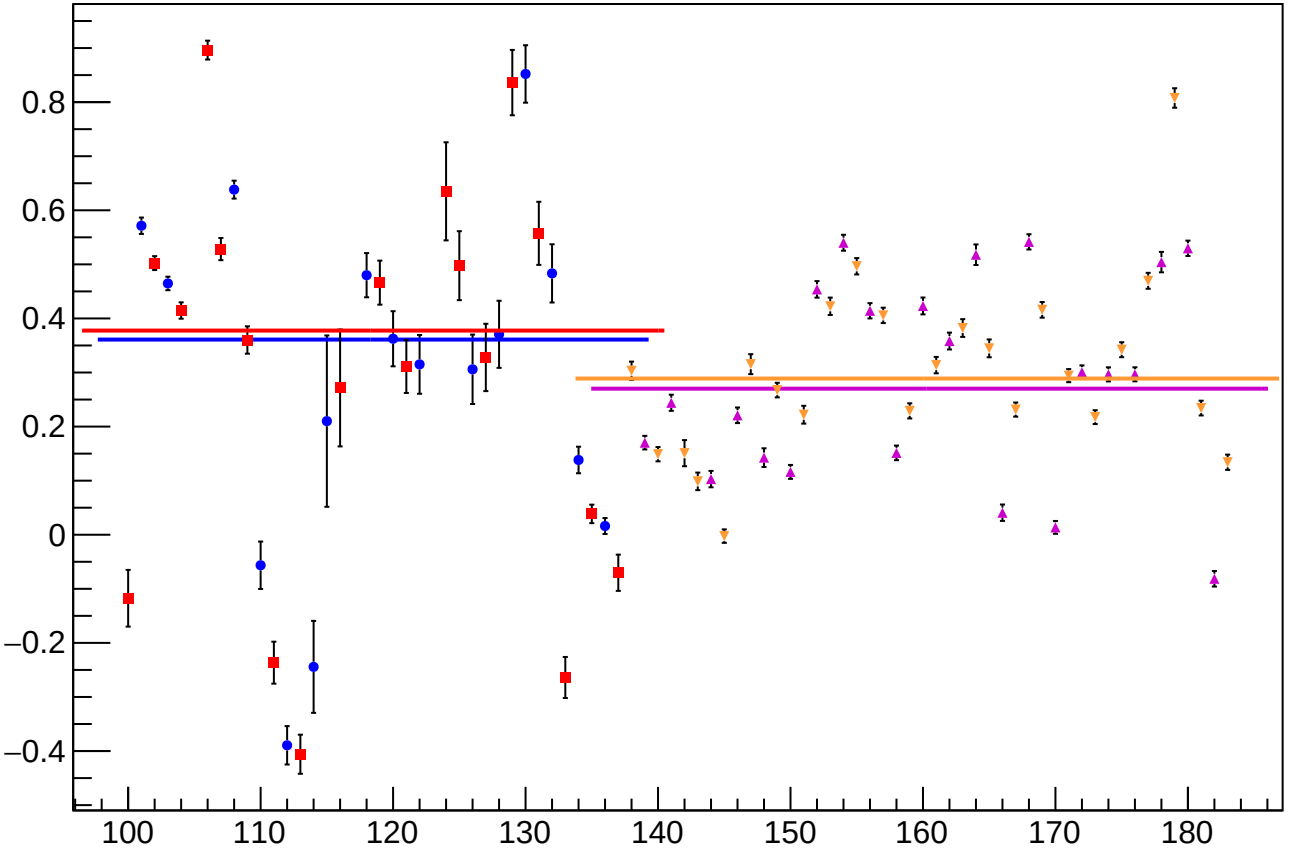
Left In: -55.243+/-0.069 χ^2/NDF:6337.0/21

+ sign -54.960+/-0.060 χ^2/NDF: 42276.0/39

All: -54.533+/-0.043 χ^2/NDF: 83873.6/80

- sign -54.090+/-0.061 χ^2/NDF: 41494.6/40

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.289+/-0.003 χ^2/NDF:2498.0/23

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

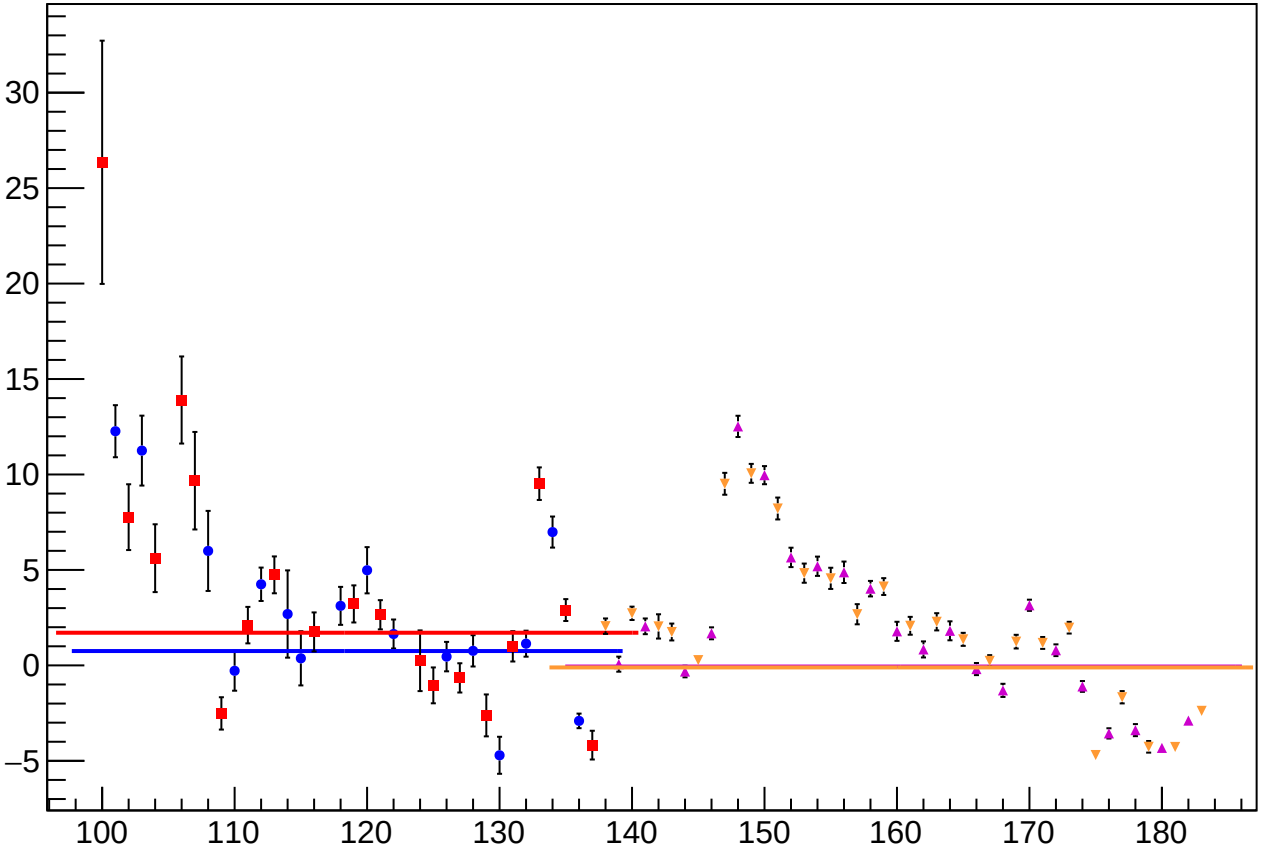
Left In: 0.270+/-0.003 χ^2/NDF:3522.8/21

+ sign 0.302+/-0.003 χ^2/NDF: 4462.8/39

All: 0.297+/-0.002 χ^2/NDF: 11030.3/80

- sign 0.292+/-0.003 χ^2/NDF: 6560.3/40

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: -0.107+/-0.070 χ^2/NDF:2638.5/23

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

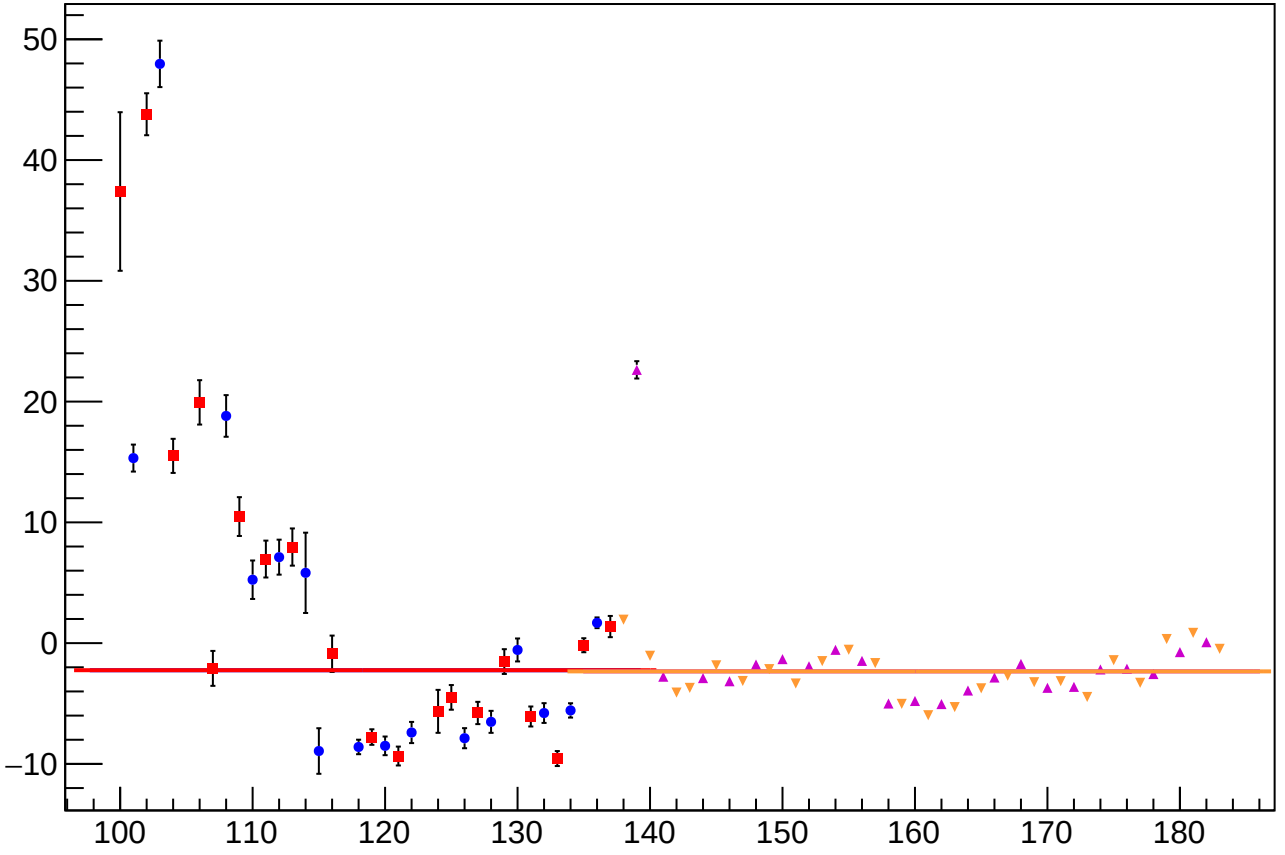
Left In: -0.059+/-0.072 χ^2/NDF:2462.2/21

+ sign -0.024+/-0.066 χ^2/NDF: 2983.3/39

All: 0.040+/-0.048 χ^2/NDF: 5798.4/80

- sign 0.108+/-0.068 χ^2/NDF: 2813.1/40

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.339+/-0.056 χ^2/NDF:1123.2/23

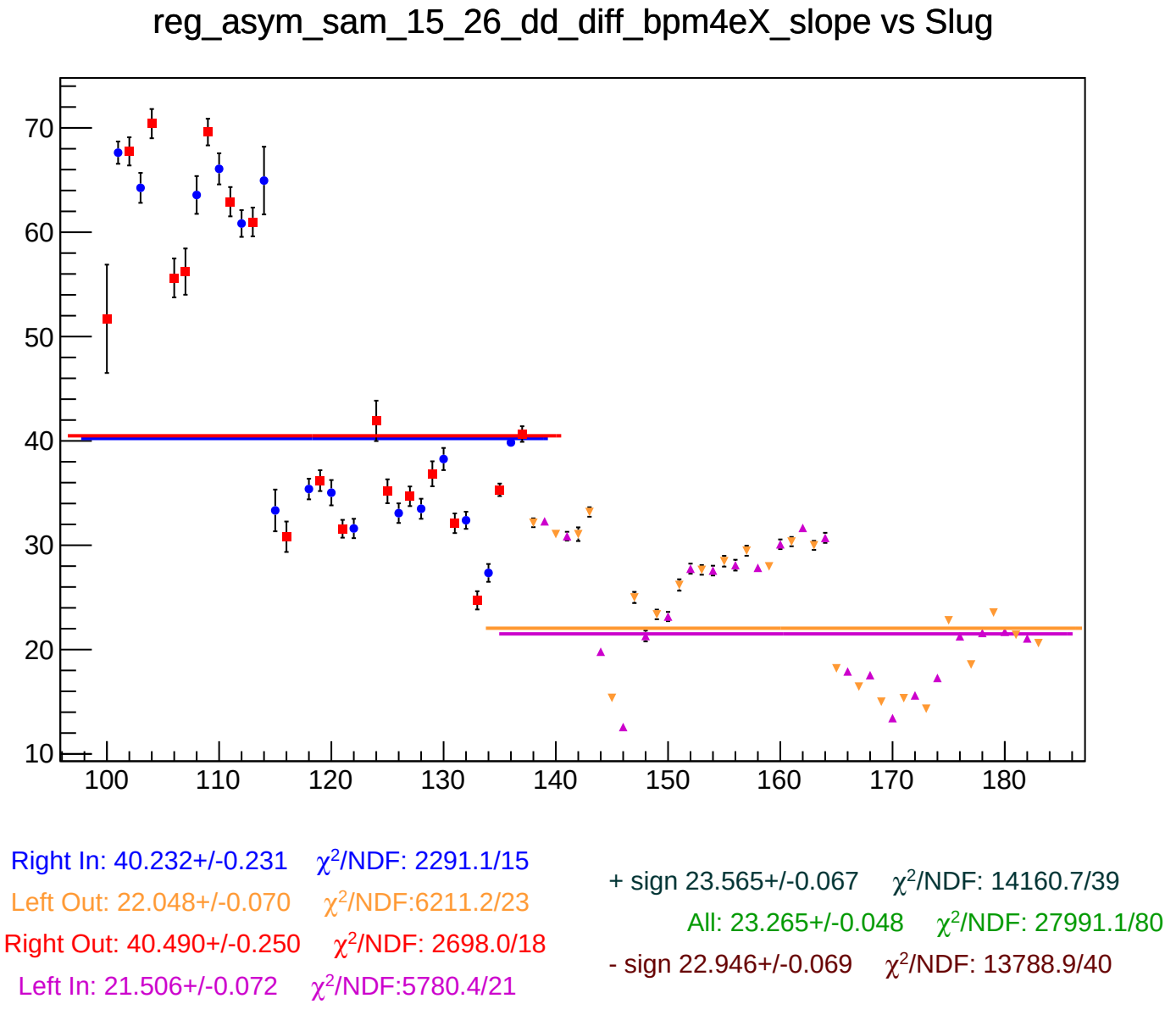
Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.337+/-0.057 χ^2/NDF:1792.8/21

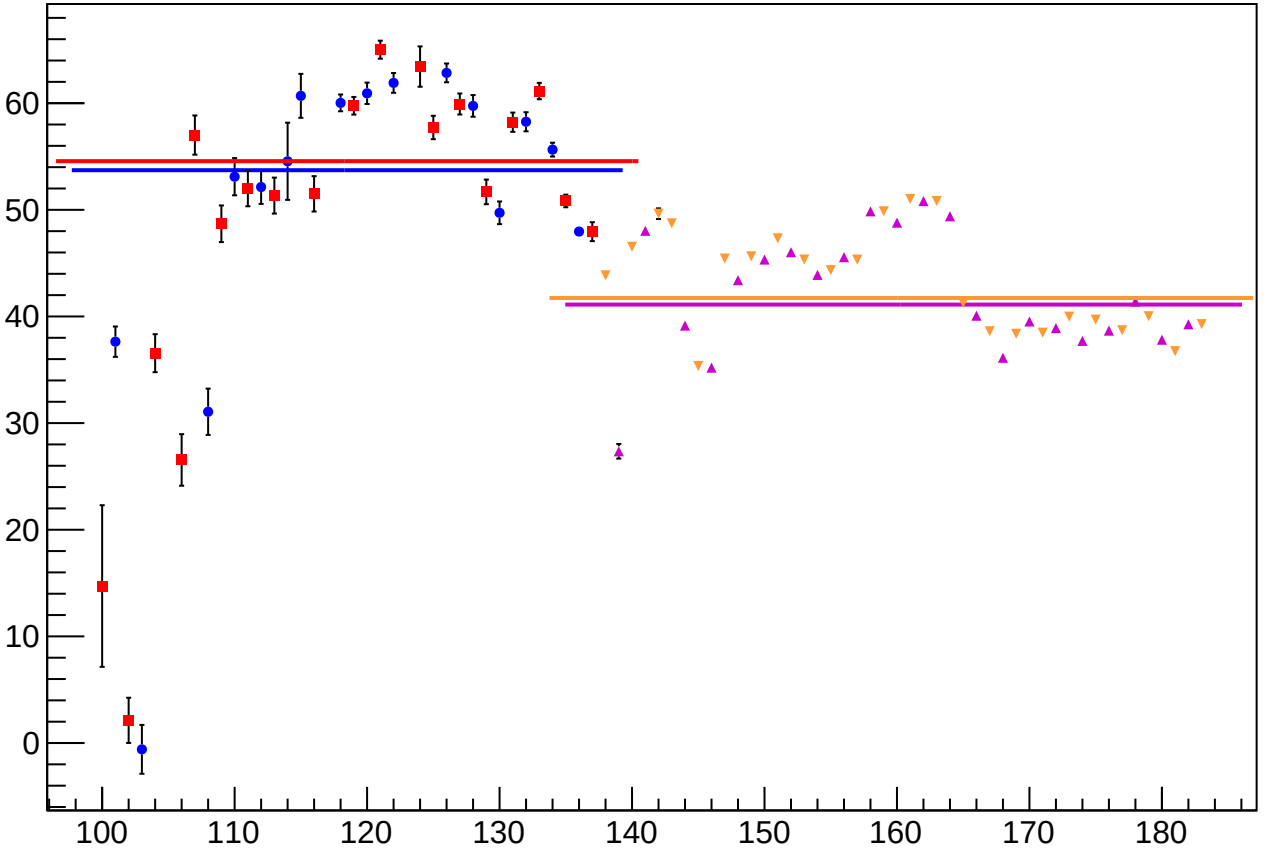
+ sign -2.333+/-0.054 χ^2/NDF: 2695.9/39

All: -2.332+/-0.039 χ^2/NDF: 6044.5/80

- sign -2.331+/-0.055 χ^2/NDF: 3348.6/40


reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 40.232+/-0.231 χ²/NDF: 2291.1/15
Left Out: 22.048+/-0.070 χ²/NDF:6211.2/23
Right Out: 40.490+/-0.250 χ²/NDF: 2698.0/18
Left In: 21.506+/-0.072 χ²/NDF:5780.4/21
+ sign 23.565+/-0.067 χ²/NDF: 14160.7/39
All: 23.265+/-0.048 χ²/NDF: 27991.1/80
- sign 22.946+/-0.069 χ²/NDF: 13788.9/40

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 41.733+/-0.062 χ^2/NDF:5641.4/23

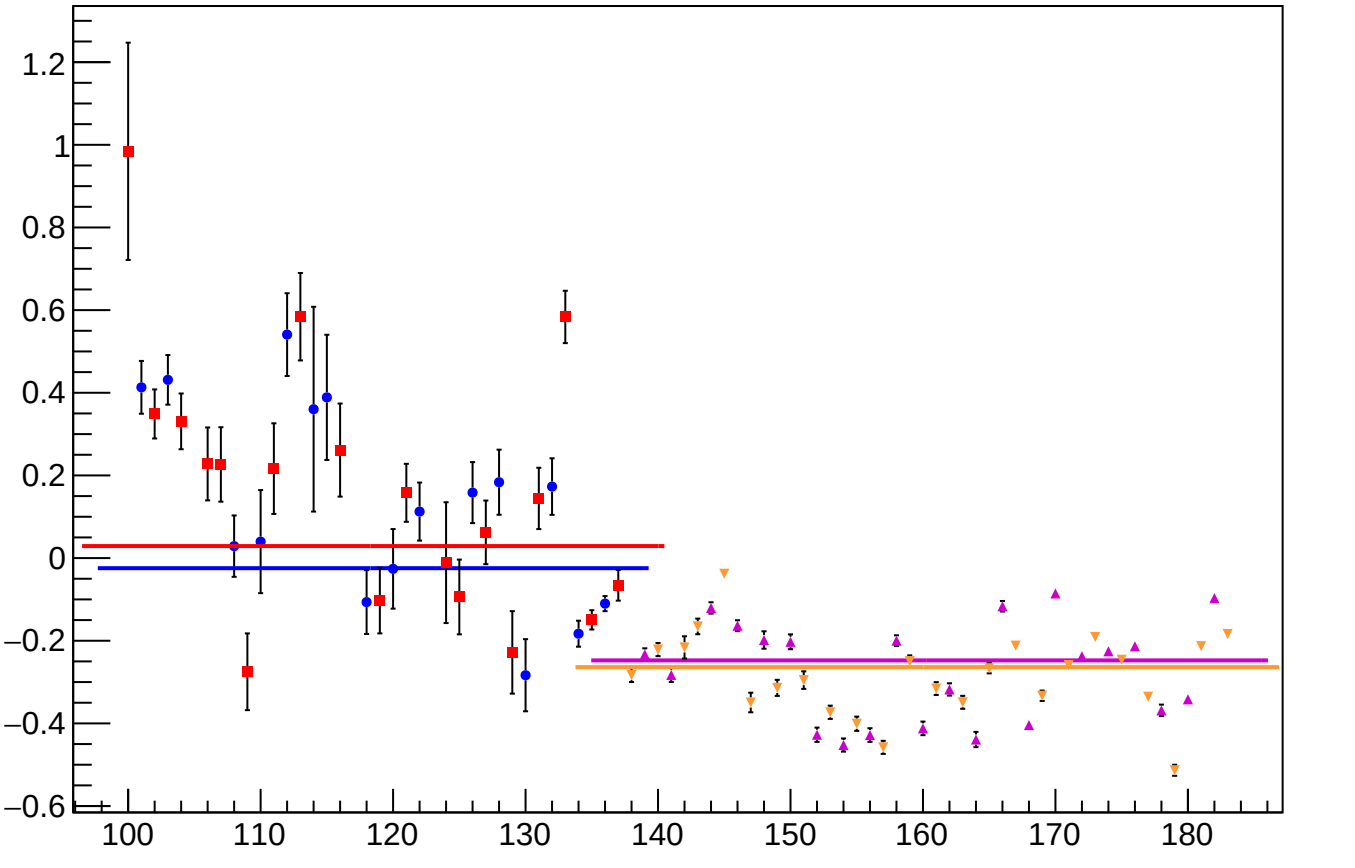
Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 41.114+/-0.063 χ^2/NDF:5475.4/21

\+ sign 42.491+/-0.060 χ^2/NDF: 9358.4/39

All: 42.199+/-0.043 χ^2/NDF: 18823.0/80

\- sign 41.892+/-0.062 χ^2/NDF: 9416.3/40



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.264+/-0.003 χ^2/NDF:1376.0/23

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

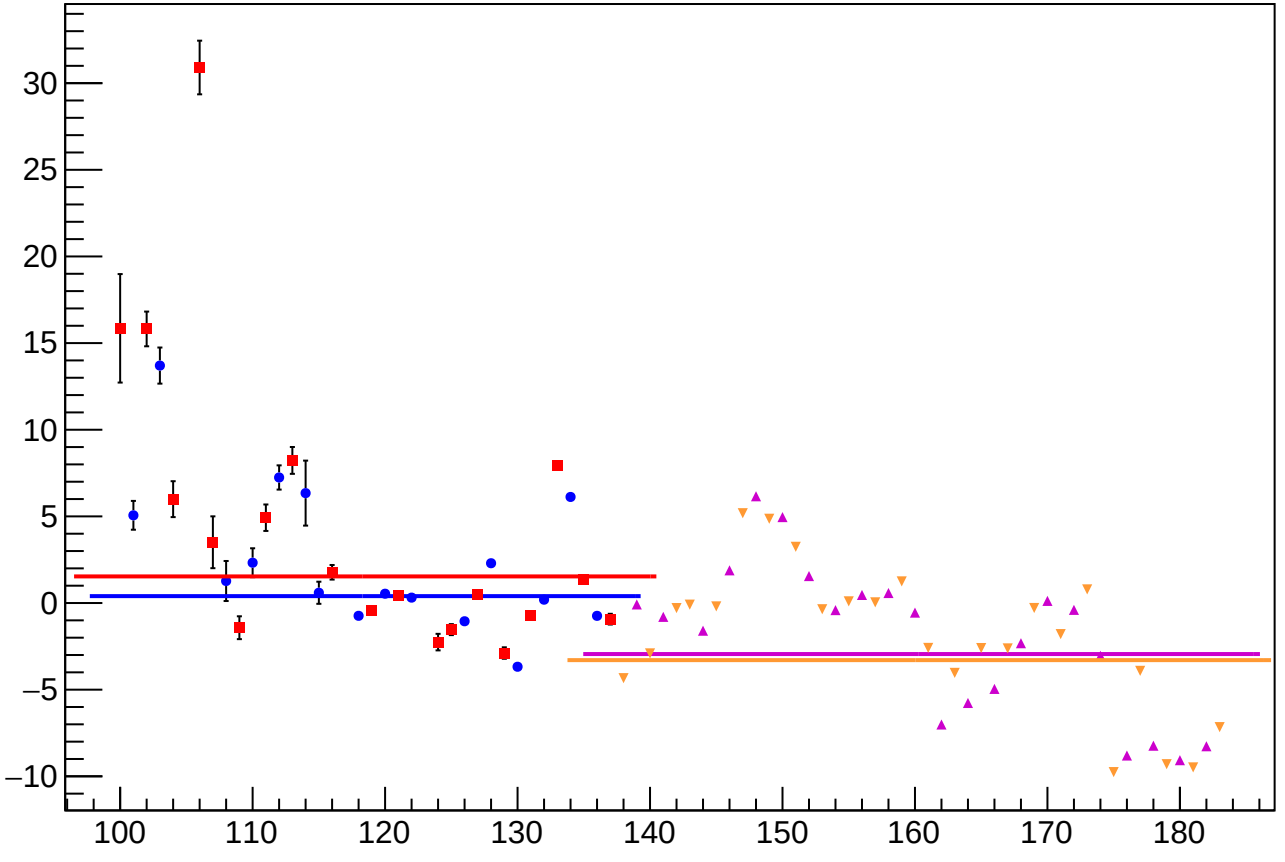
Left In: -0.248+/-0.003 χ^2/NDF:1718.7/21

+ sign -0.253+/-0.003 χ^2/NDF: 1939.5/39

All: -0.245+/-0.002 χ^2/NDF: 4314.4/80

- sign -0.237+/-0.003 χ^2/NDF: 2357.9/40

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -3.296+/-0.028 χ^2/NDF:23937.4/23

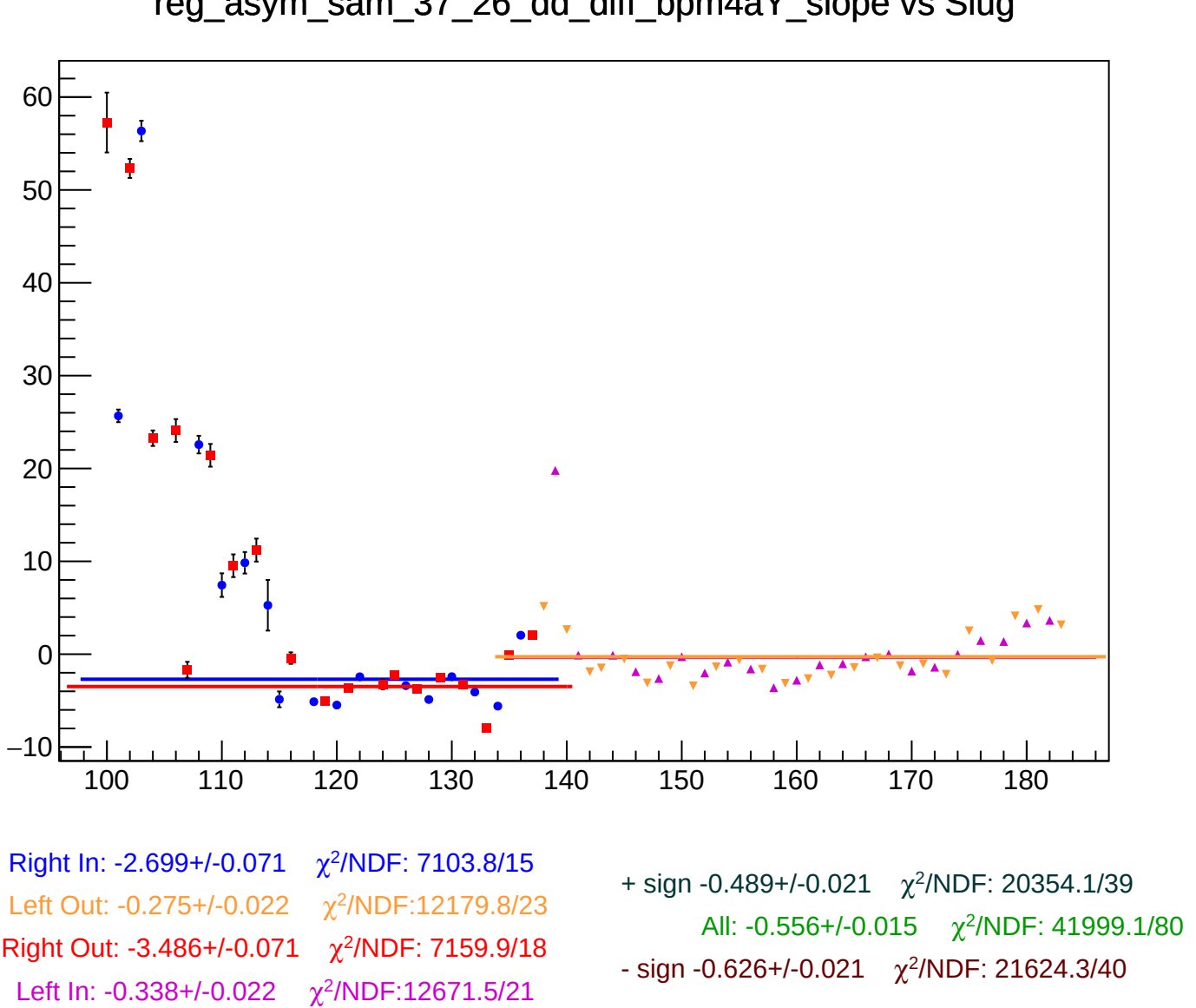
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

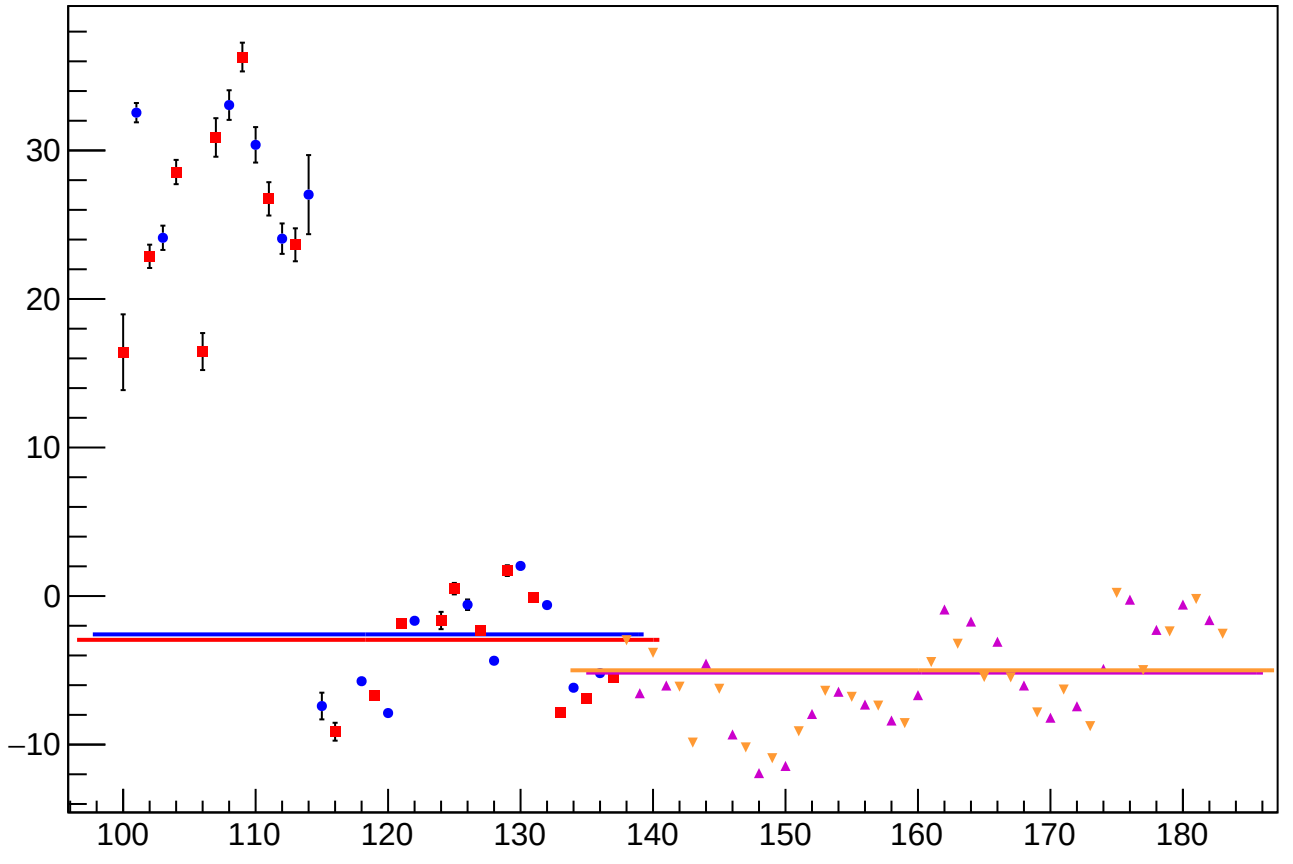
Left In: -2.944+/-0.029 χ^2/NDF:22272.0/21

+ sign -2.865+/-0.026 χ^2/NDF: 27063.8/39

All: -2.642+/-0.019 χ^2/NDF: 54783.8/80

- sign -2.408+/-0.027 χ^2/NDF: 27573.8/40


reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
Right In: -2.699+/-0.071 χ²/NDF: 7103.8/15
Left Out: -0.275+/-0.022 χ²/NDF:12179.8/23
Right Out: -3.486+/-0.071 χ²/NDF: 7159.9/18
Left In: -0.338+/-0.022 χ²/NDF:12671.5/21
+ sign -0.489+/-0.021 χ²/NDF: 20354.1/39
All: -0.556+/-0.015 χ²/NDF: 41999.1/80
- sign -0.626+/-0.021 χ²/NDF: 21624.3/40



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.000+/-0.028 χ^2/NDF:13363.9/23

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

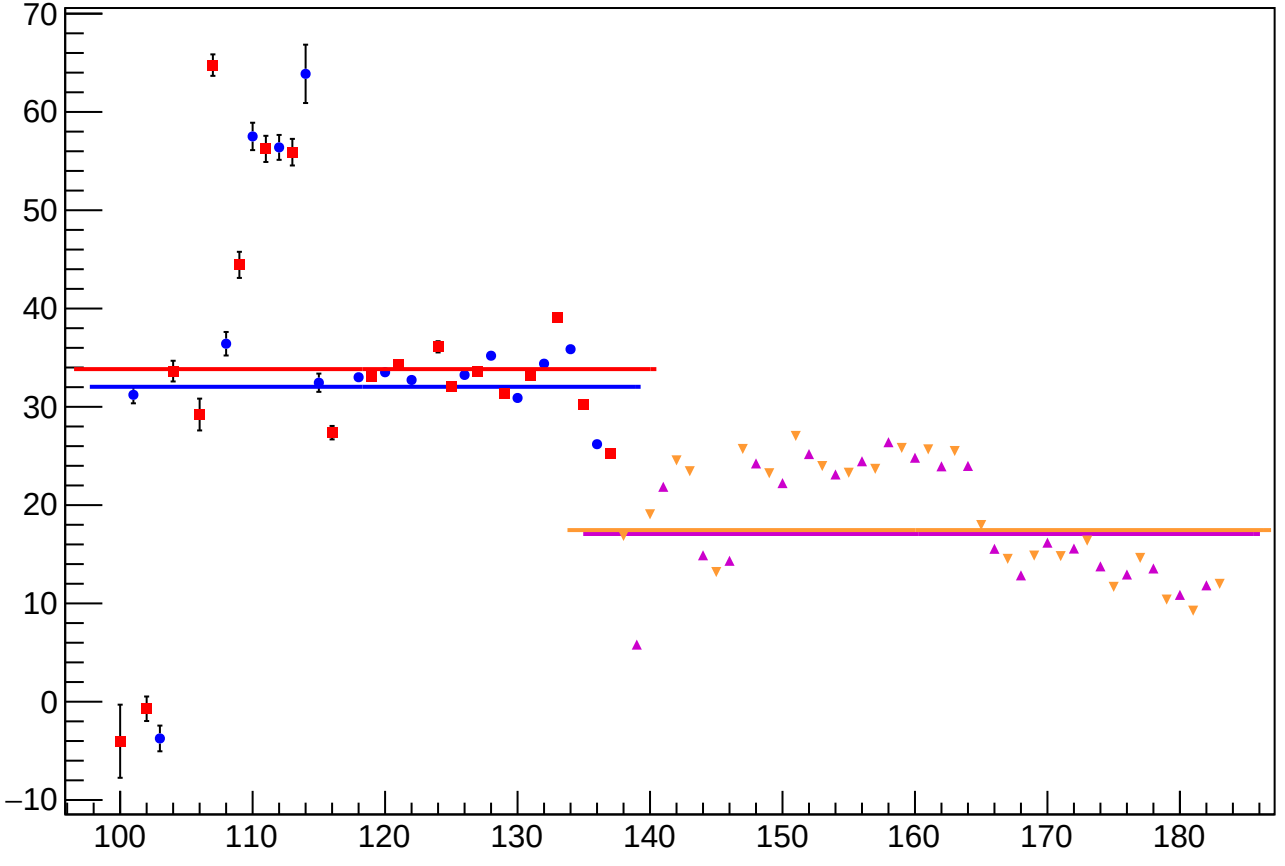
Left In: -5.155+/-0.029 χ^2/NDF:13938.0/21

\+ sign -4.752+/-0.027 χ^2/NDF: 22284.0/39

All: -4.838+/-0.019 χ^2/NDF: 45045.7/80

\- sign -4.929+/-0.027 χ^2/NDF: 22740.2/40

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 17.459+/-0.025 χ^2/NDF:50417.9/23

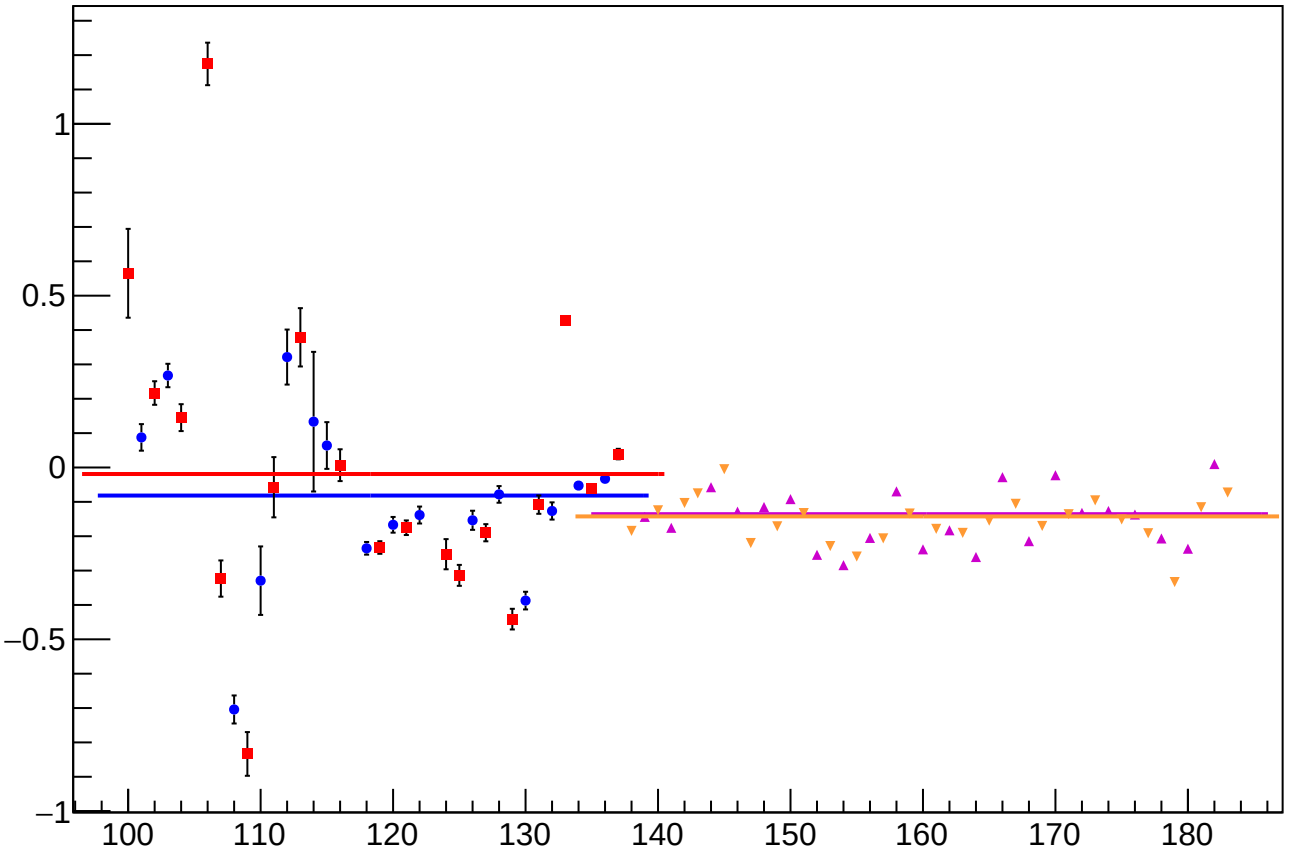
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 17.062+/-0.025 χ^2/NDF:39158.7/21

+ sign 18.691+/-0.024 χ^2/NDF: 83122.5/39

All: 18.610+/-0.017 χ^2/NDF: 165100.3/80

- sign 18.526+/-0.024 χ^2/NDF: 81954.0/40



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.142+/-0.001 χ^2/NDF:3874.1/23

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

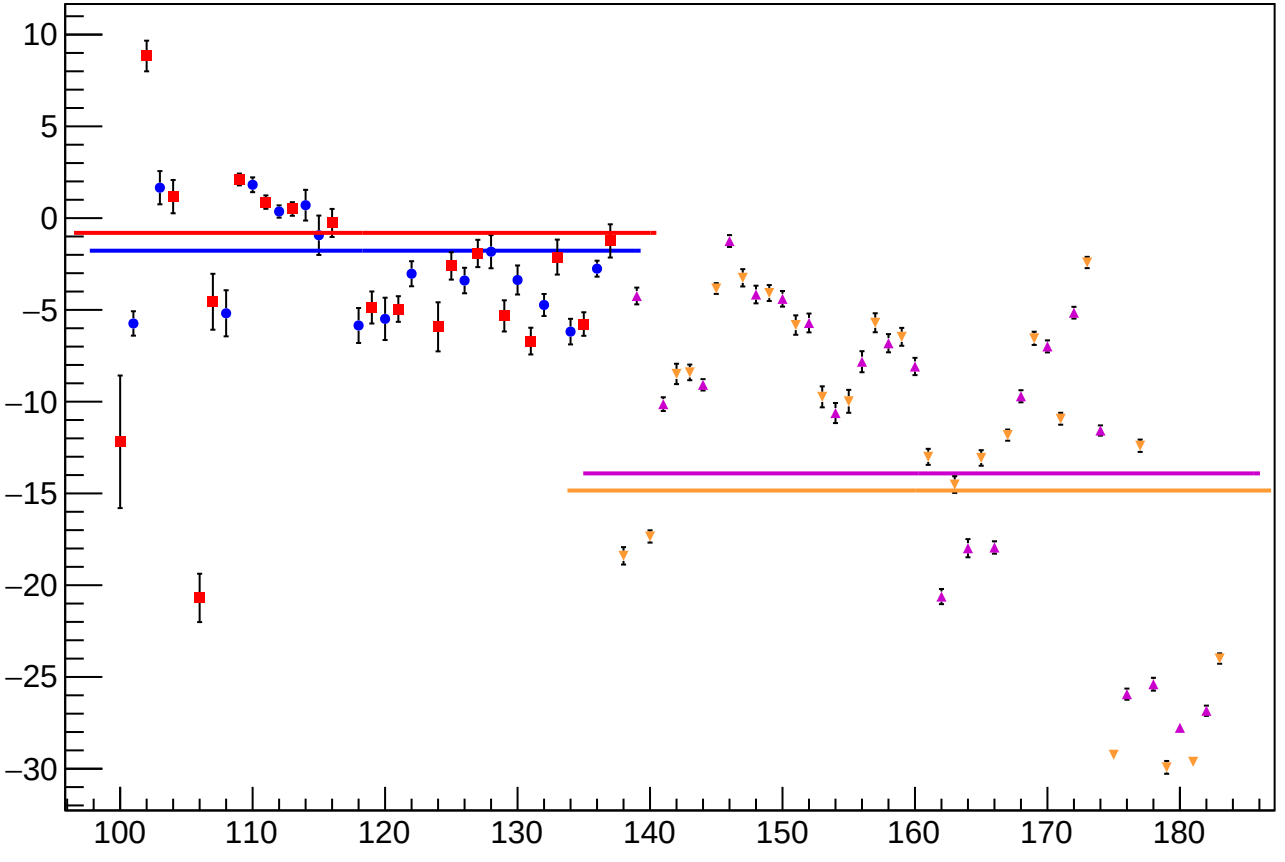
Left In: -0.136+/-0.001 χ^2/NDF:5062.3/21

+ sign -0.139+/-0.001 χ^2/NDF: 4713.3/39

All: -0.135+/-0.001 χ^2/NDF: 12564.2/80

- sign -0.131+/-0.001 χ^2/NDF: 7819.0/40

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -14.841+/-0.076 χ^2/NDF:16170.4/23

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

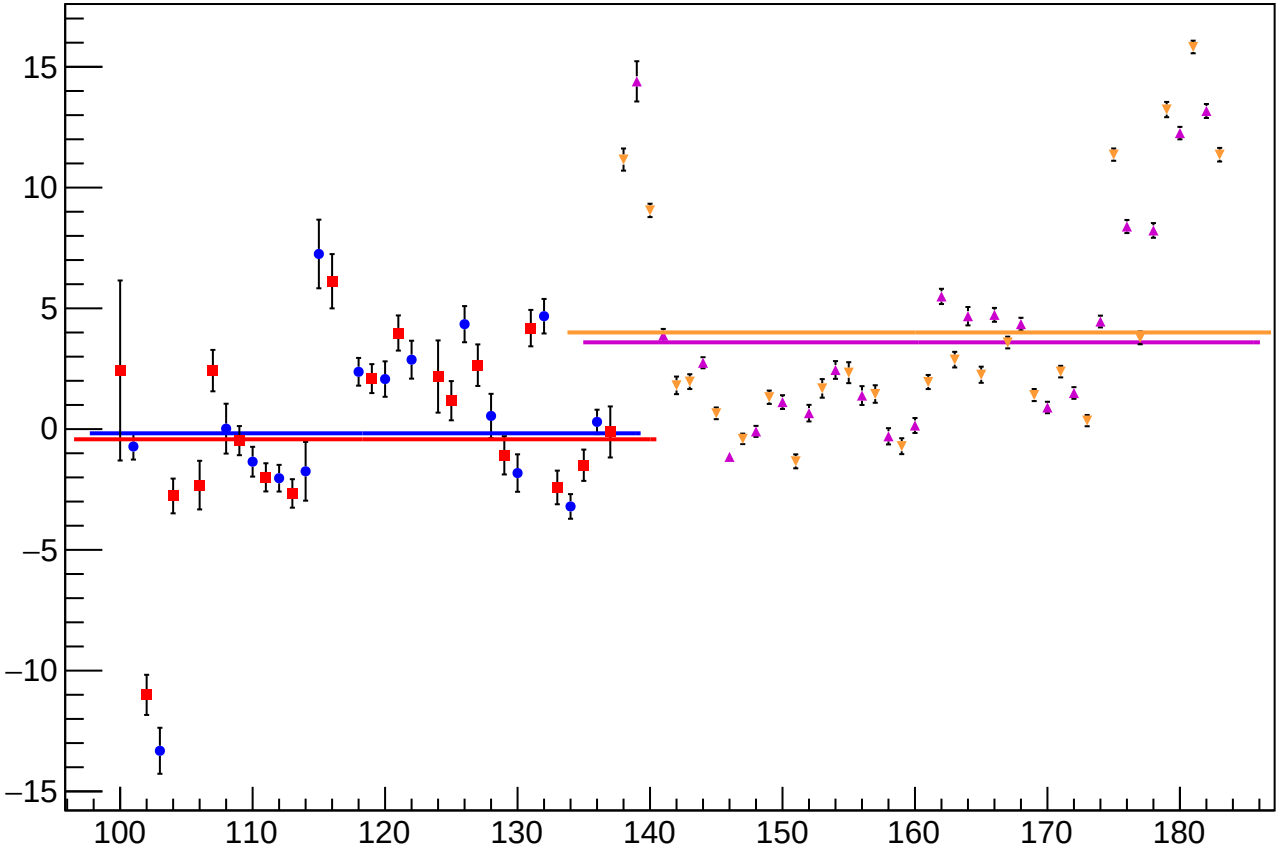
Left In: -13.908+/-0.078 χ^2/NDF:13352.0/21

+ sign -12.389+/-0.068 χ^2/NDF: 22085.5/39

All: -11.746+/-0.048 χ^2/NDF: 42479.8/80

- sign -11.090+/-0.069 χ^2/NDF: 20214.0/40

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 4.002+/-0.058 χ^2/NDF:6892.8/23

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

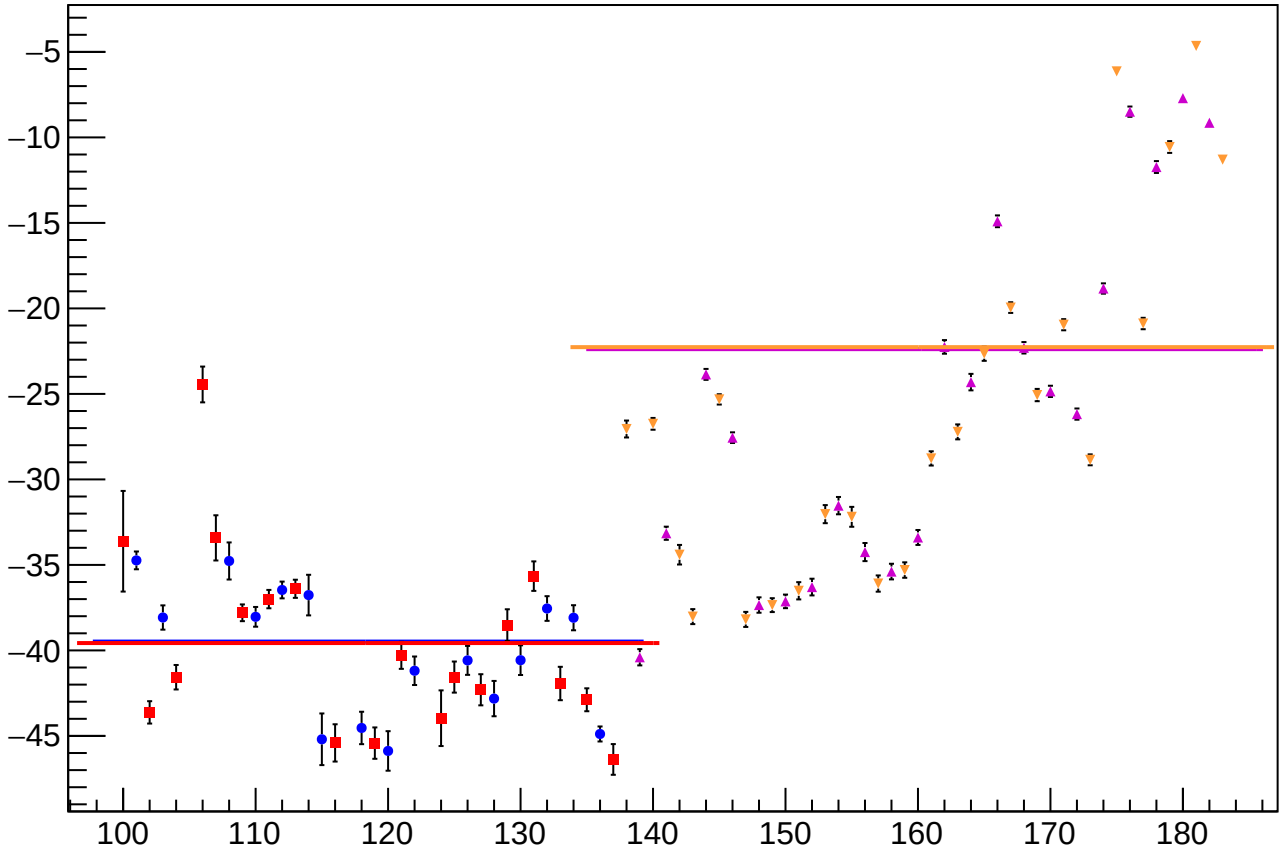
Left In: 3.593+/-0.060 χ^2/NDF:4539.1/21

+ sign 3.575+/-0.055 χ^2/NDF: 7818.9/39

All: 3.383+/-0.040 χ^2/NDF: 13209.4/80

- sign 3.183+/-0.057 χ^2/NDF: 5366.0/40

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -22.265+/-0.075 χ^2/NDF:19989.5/23

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

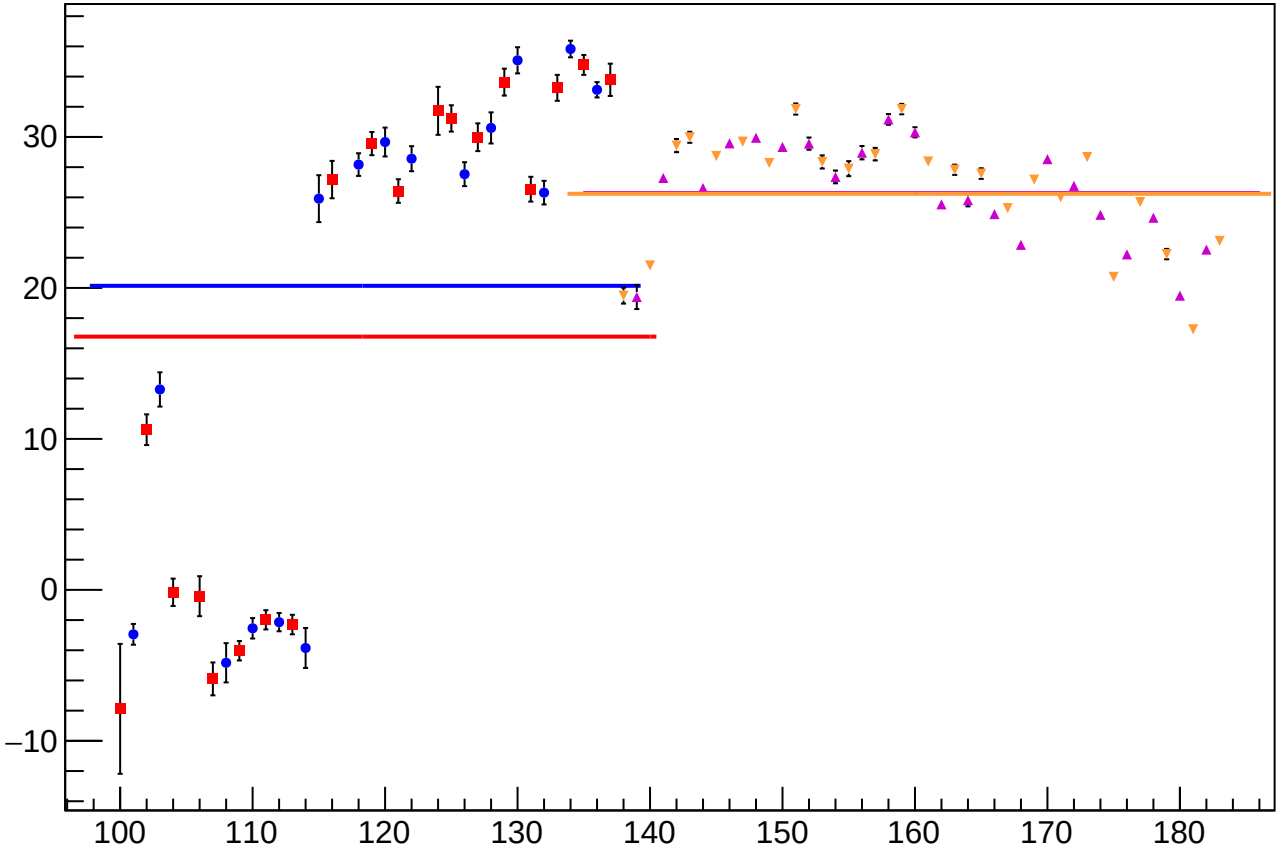
Left In: -22.382+/-0.077 χ^2/NDF:17102.9/21

+ sign -24.835+/-0.070 χ^2/NDF: 28164.3/39

All: -24.933+/-0.050 χ^2/NDF: 53451.6/80

- sign -25.036+/-0.071 χ^2/NDF: 25283.2/40

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 26.235+/-0.066 χ^2/NDF:3261.7/23

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

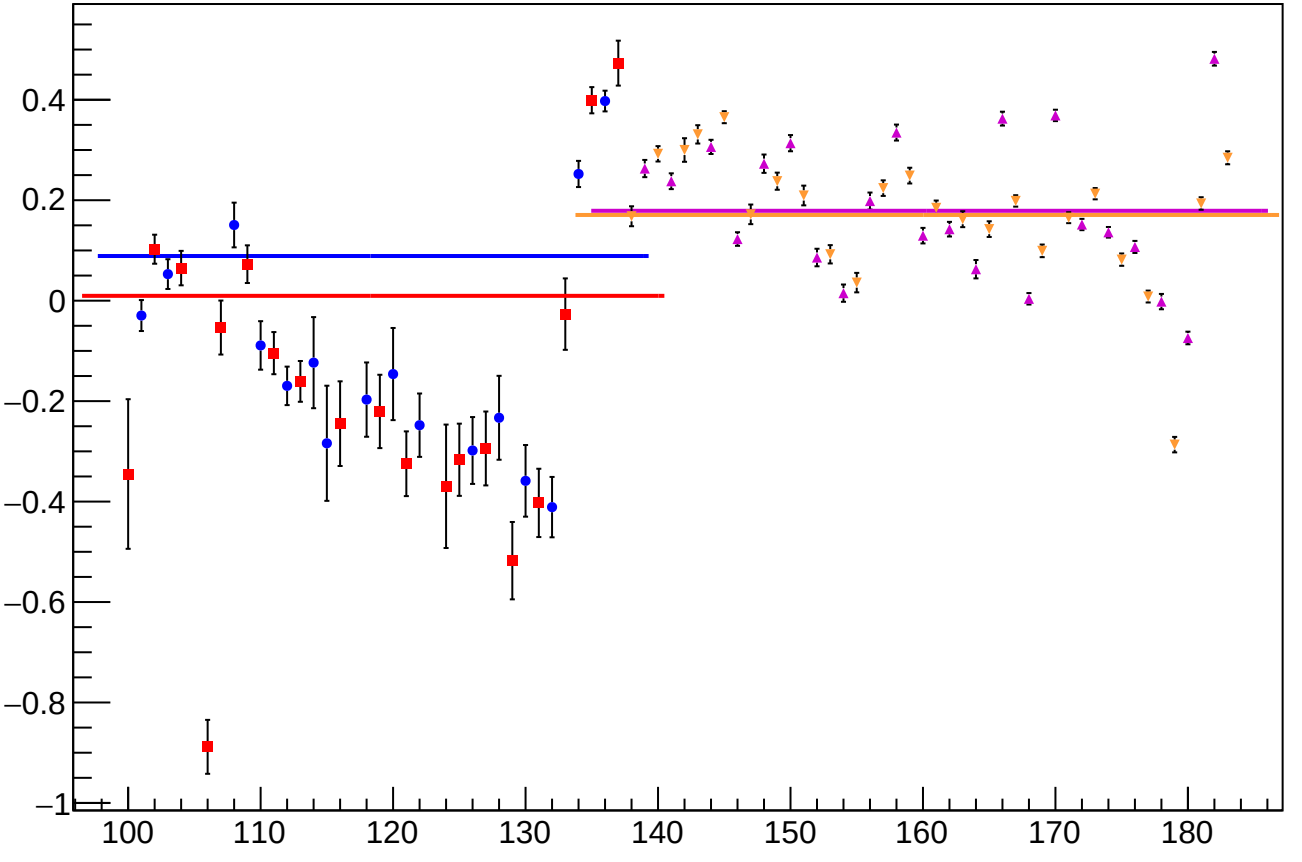
Left In: 26.286+/-0.067 χ^2/NDF:2185.2/21

+ sign 25.612+/-0.062 χ^2/NDF: 10826.1/39

All: 25.469+/-0.045 χ^2/NDF: 21798.8/80

- sign 25.320+/-0.064 χ^2/NDF: 10961.9/40

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.171+/-0.003 χ^2/NDF:1817.6/23

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

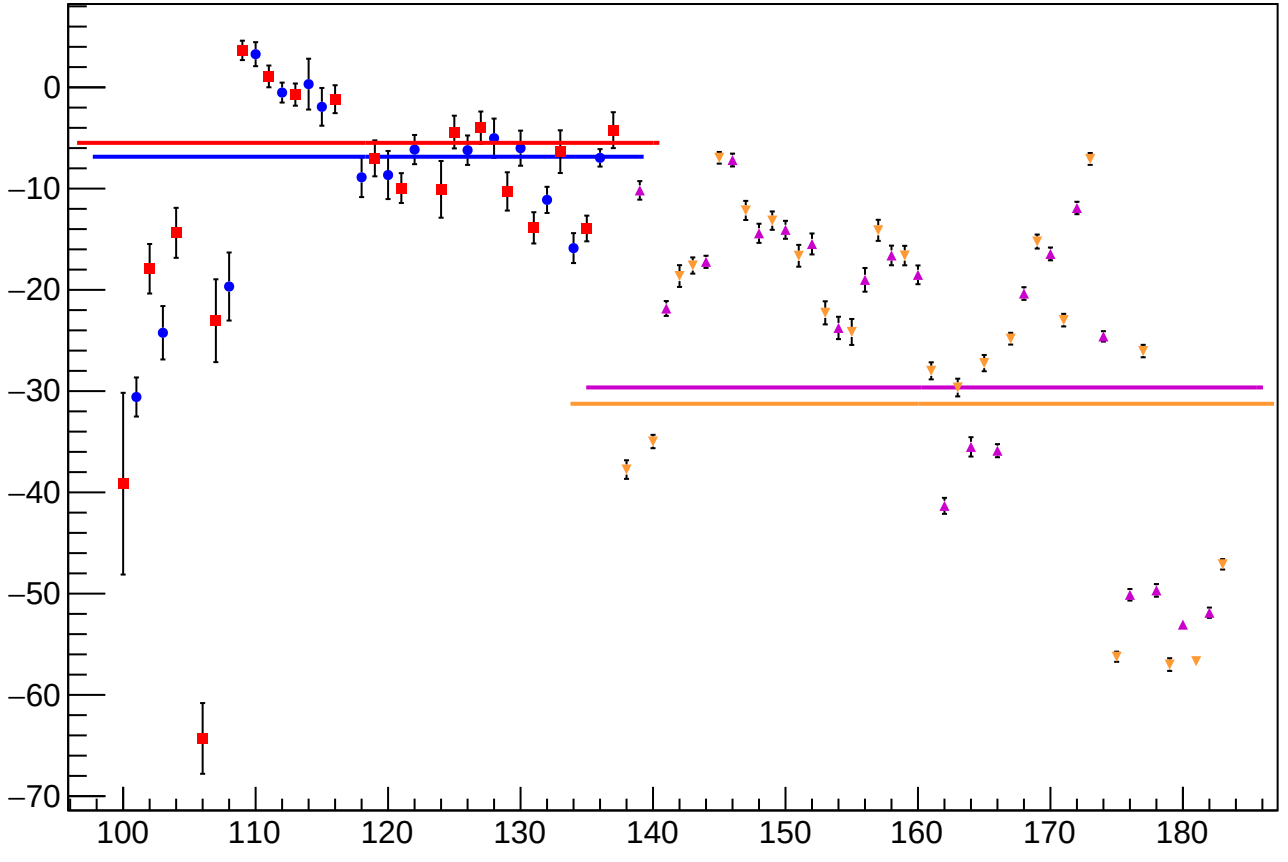
Left In: 0.179+/-0.003 χ^2/NDF:2292.4/21

+ sign 0.165+/-0.003 χ^2/NDF: 2438.6/39

All: 0.166+/-0.002 χ^2/NDF: 5786.1/80

- sign 0.167+/-0.003 χ^2/NDF: 3347.1/40

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -31.250+/-0.144 χ^2/NDF:15041.3/23

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

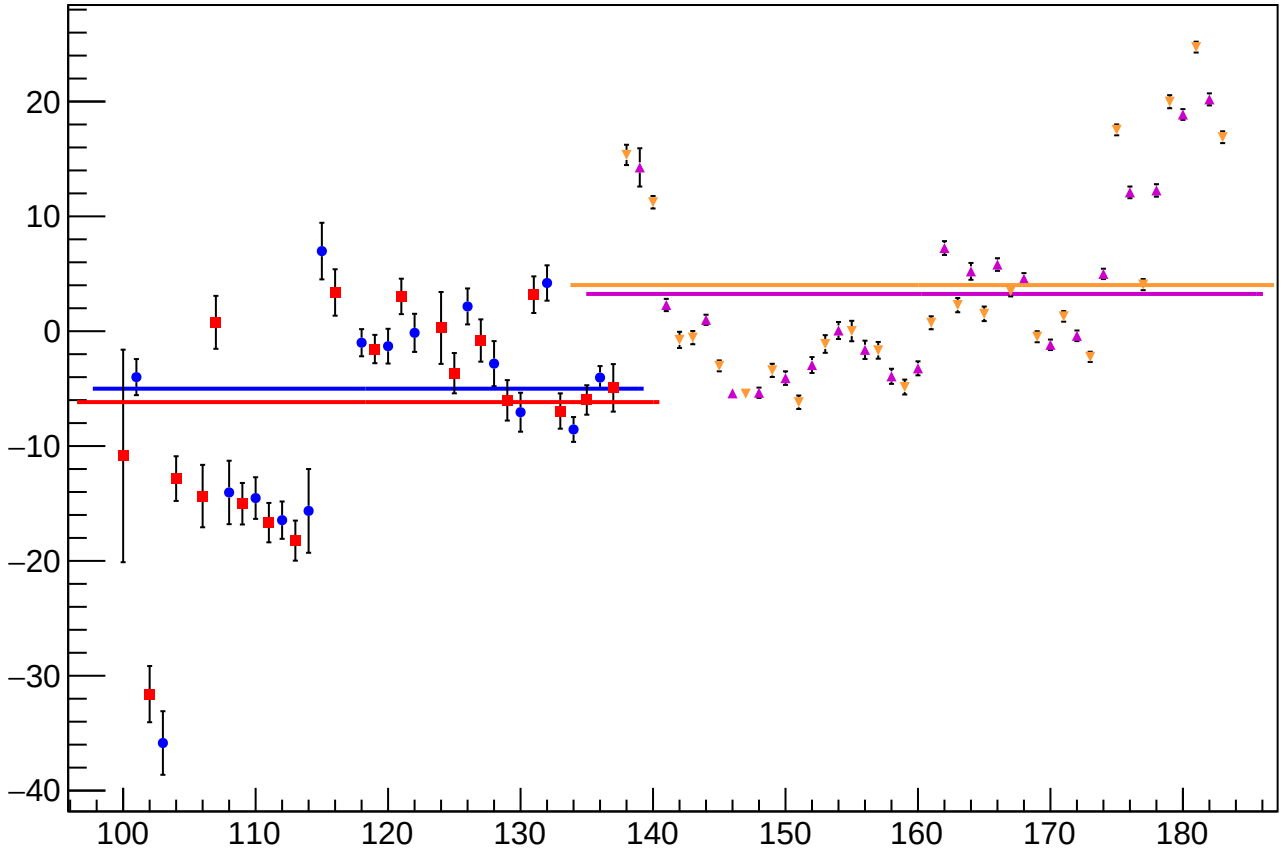
Left In: -29.638+/-0.148 χ^2/NDF:11920.3/21

+ sign -28.137+/-0.134 χ^2/NDF: 19112.0/39

All: -27.236+/-0.096 χ^2/NDF: 35422.9/80

- sign -26.293+/-0.137 χ^2/NDF: 16218.6/40

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 4.018+/-0.112 χ^2/NDF:6448.3/23

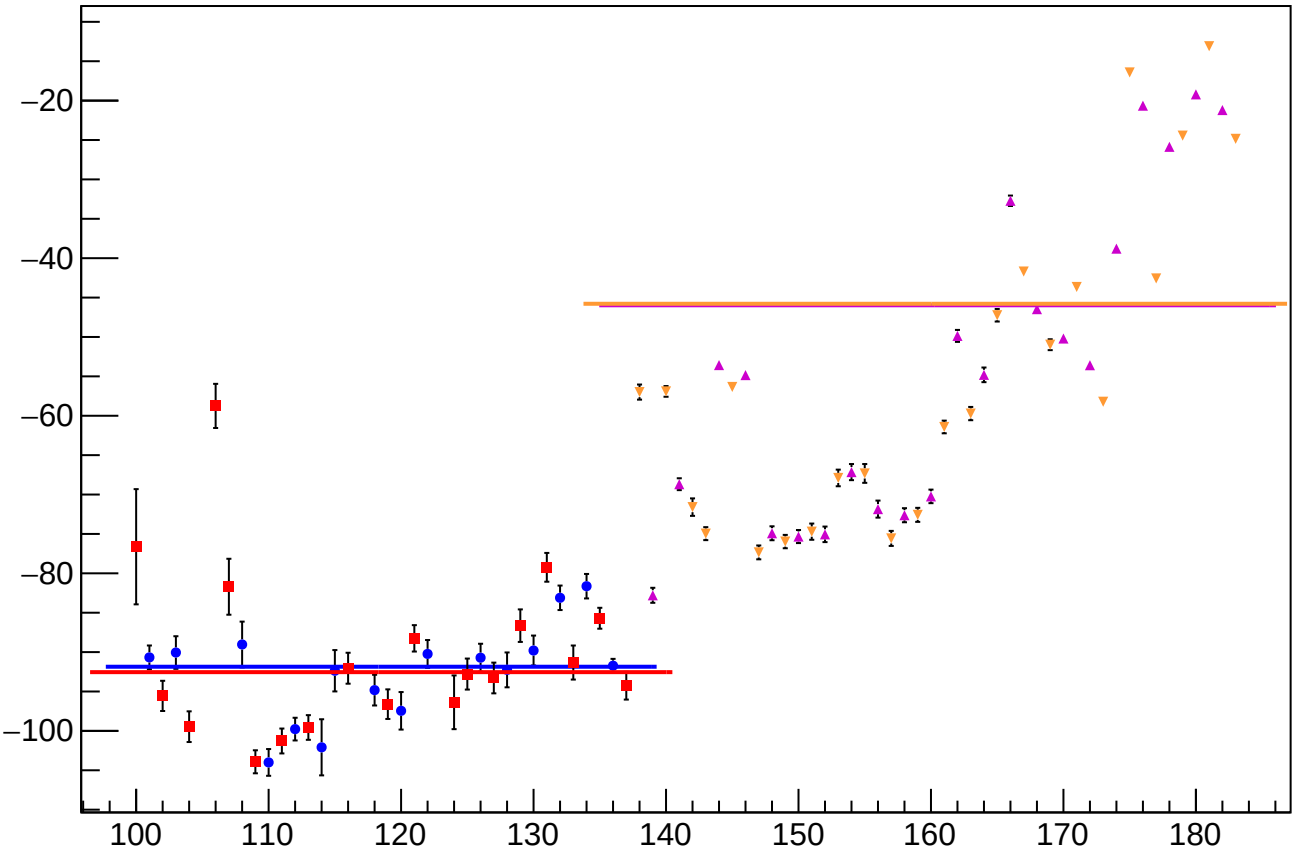
Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 3.245+/-0.115 χ^2/NDF:4476.7/21

\+ sign 3.346+/-0.108 χ^2/NDF: 7272.2/39

All: 2.973+/-0.077 χ^2/NDF: 12617.7/80

\- sign 2.582+/-0.110 χ^2/NDF: 5321.1/40



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -45.786+/-0.144 χ^2/NDF:21128.5/23

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

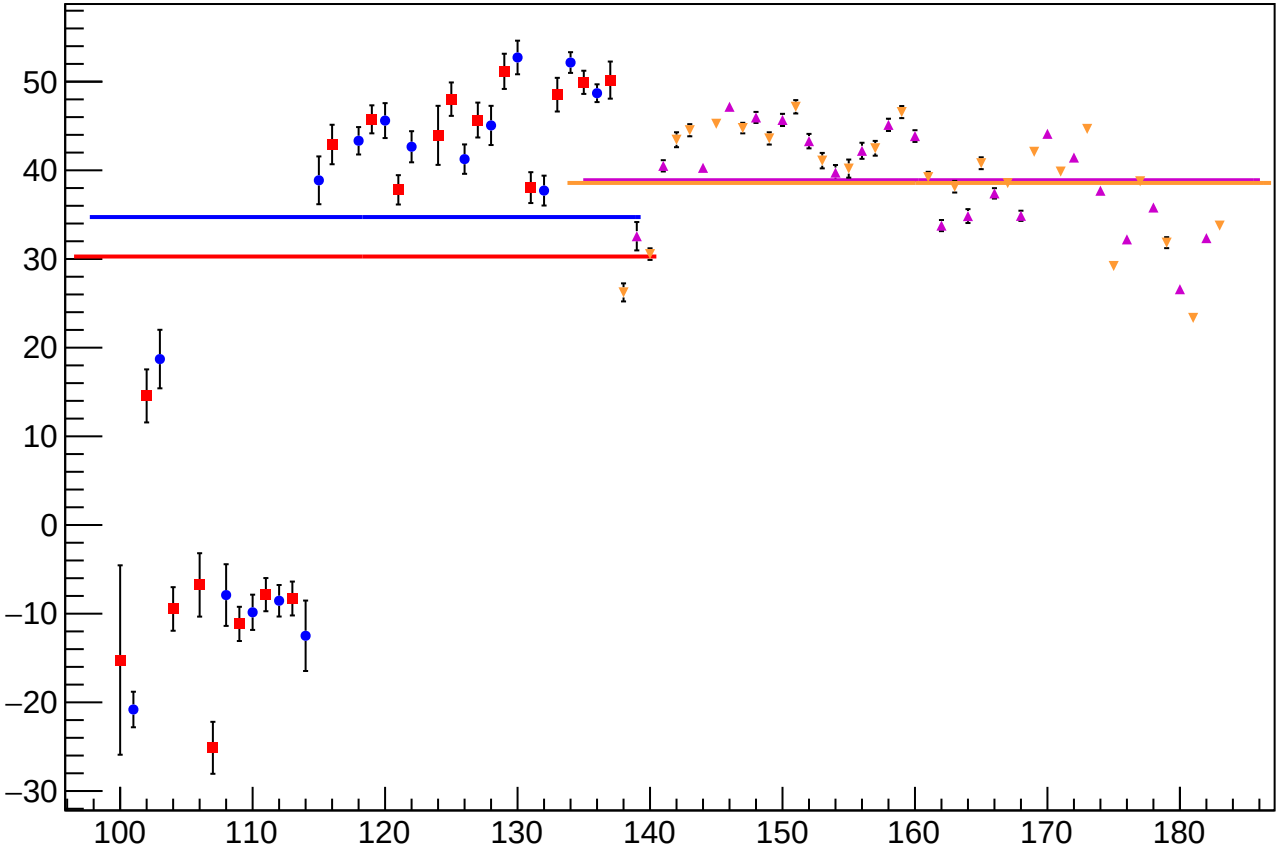
Left In: -45.978+/-0.148 χ^2/NDF:17879.5/21

+ sign -50.541+/-0.136 χ^2/NDF: 31891.2/39

All: -50.620+/-0.098 χ^2/NDF: 60257.3/80

- sign -50.704+/-0.140 χ^2/NDF: 28365.4/40

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 38.577+/-0.126 χ^2/NDF:2707.0/23

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

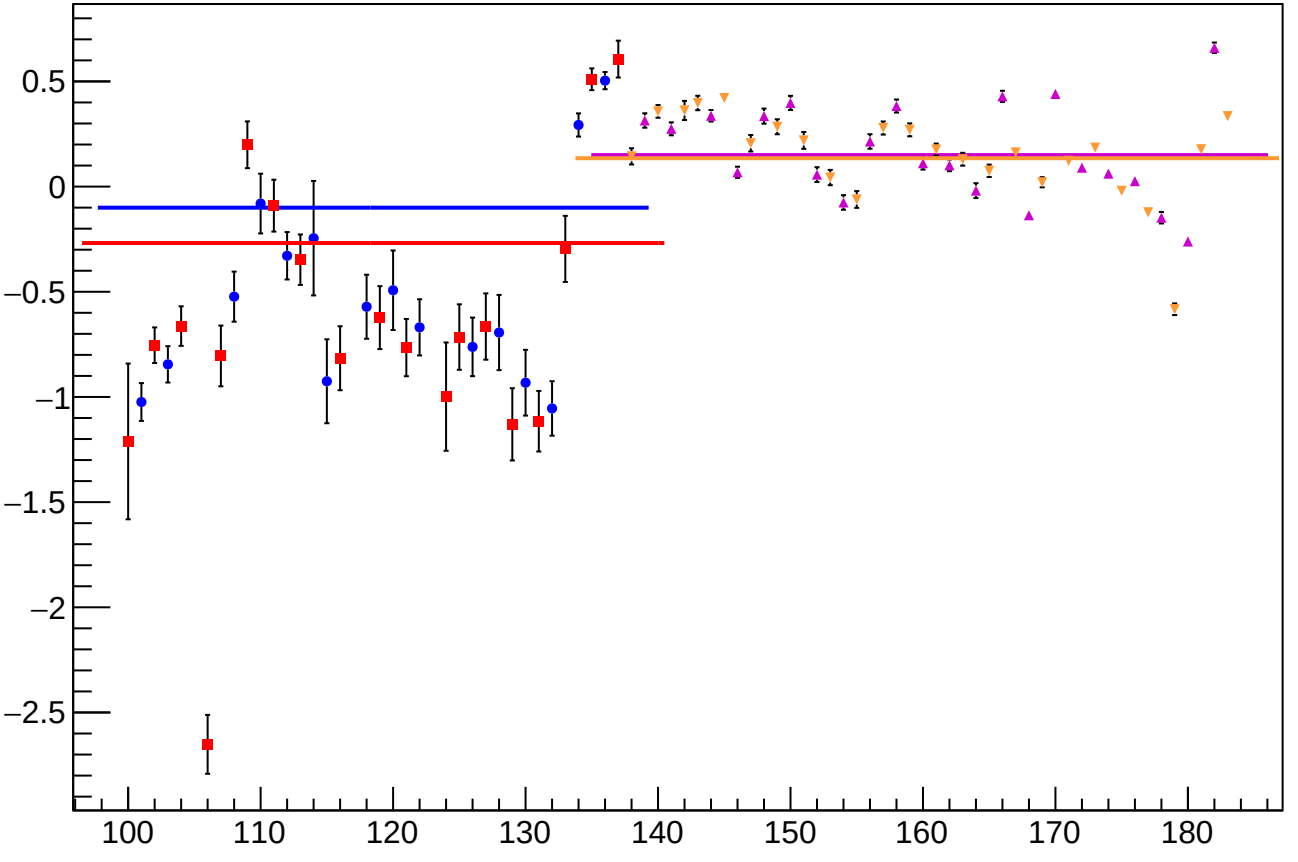
Left In: 38.883+/-0.129 χ^2/NDF:1969.9/21

\+ sign 38.289+/-0.121 χ^2/NDF: 5586.3/39

All: 38.283+/-0.087 χ^2/NDF: 10782.7/80

\- sign 38.277+/-0.124 χ^2/NDF: 5196.4/40

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.135+/-0.006 χ^2/NDF:1351.9/23

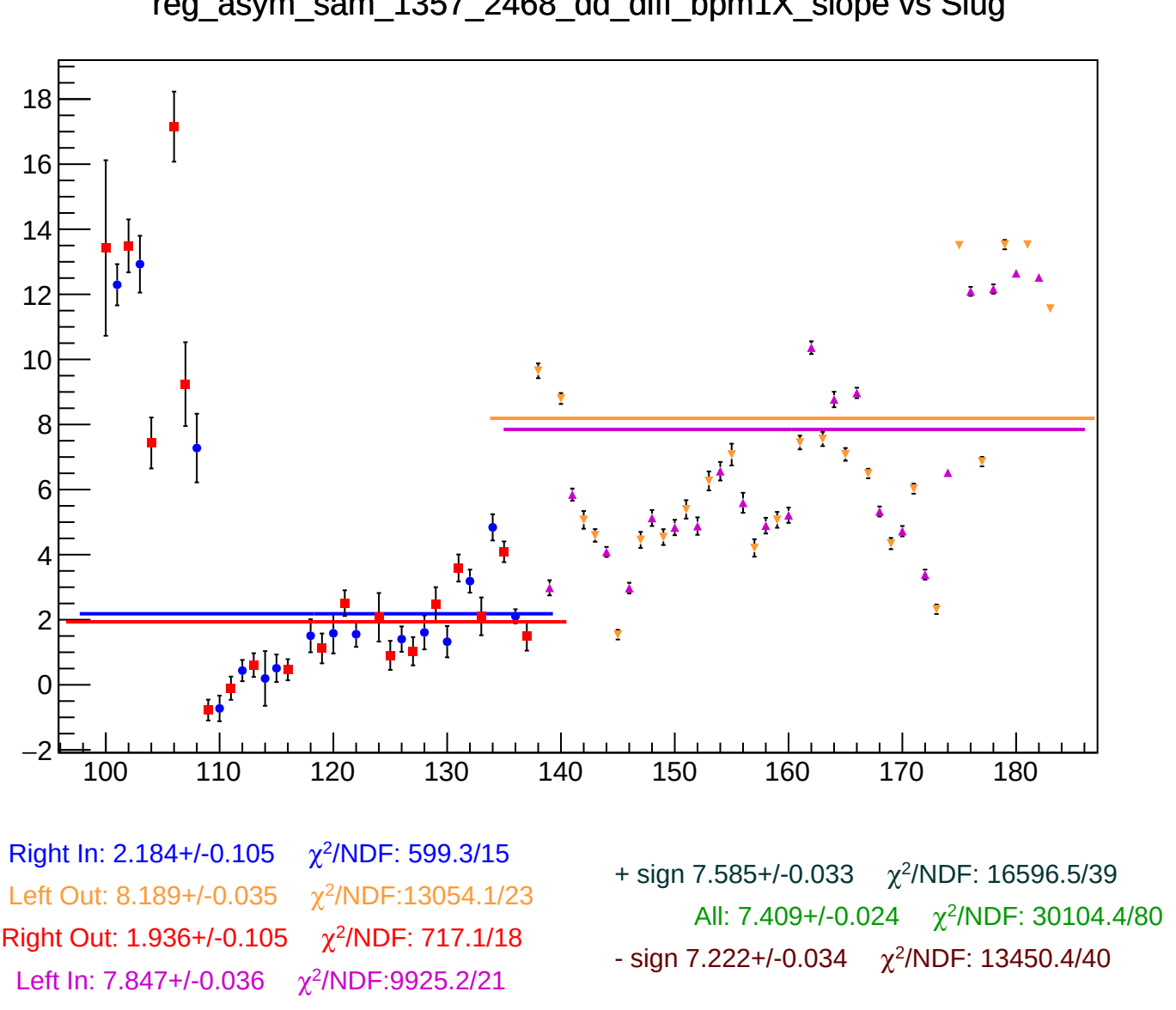
Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

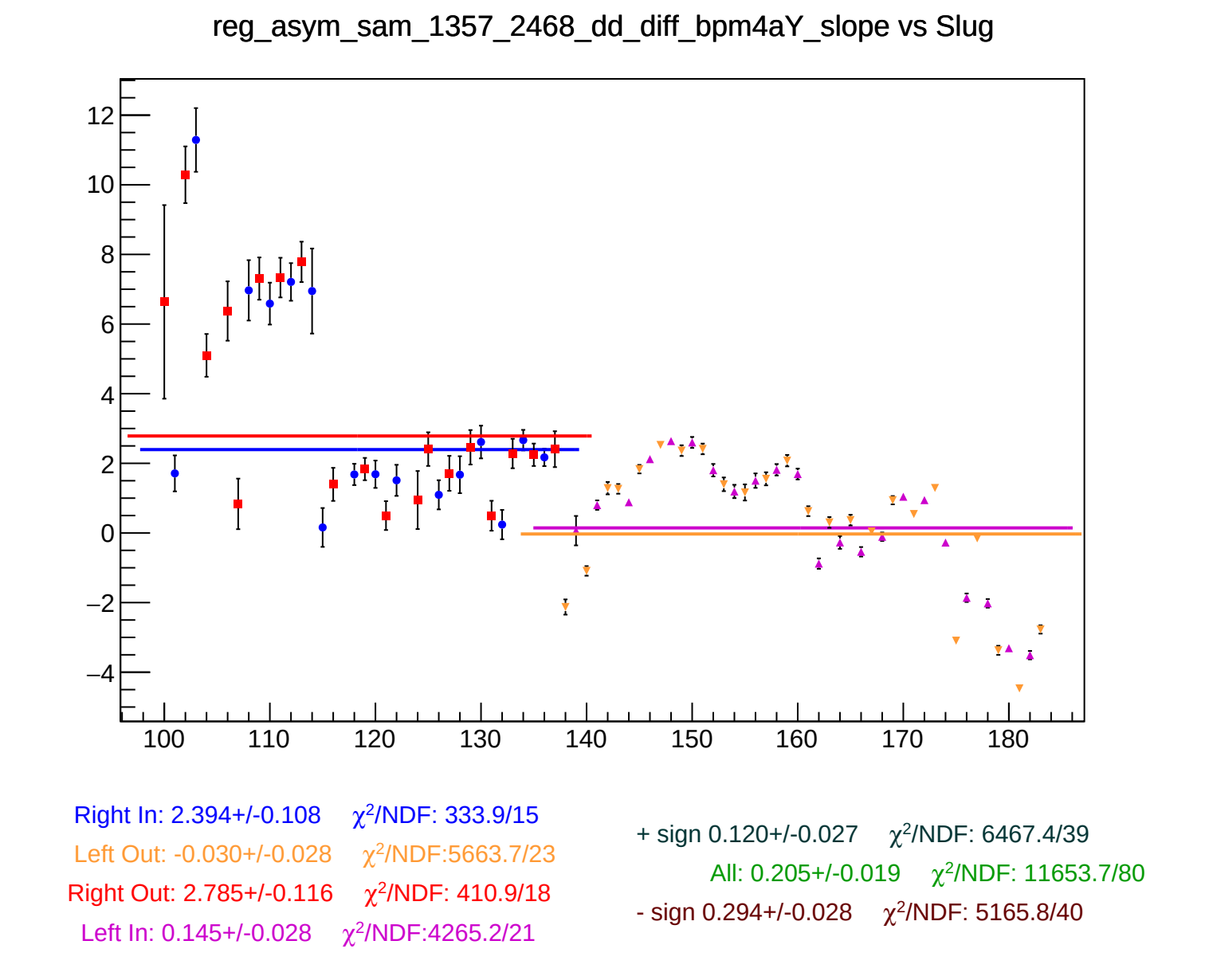
Left In: 0.150+/-0.006 χ^2/NDF:1698.1/21

+ sign 0.123+/-0.006 χ^2/NDF: 2074.1/39

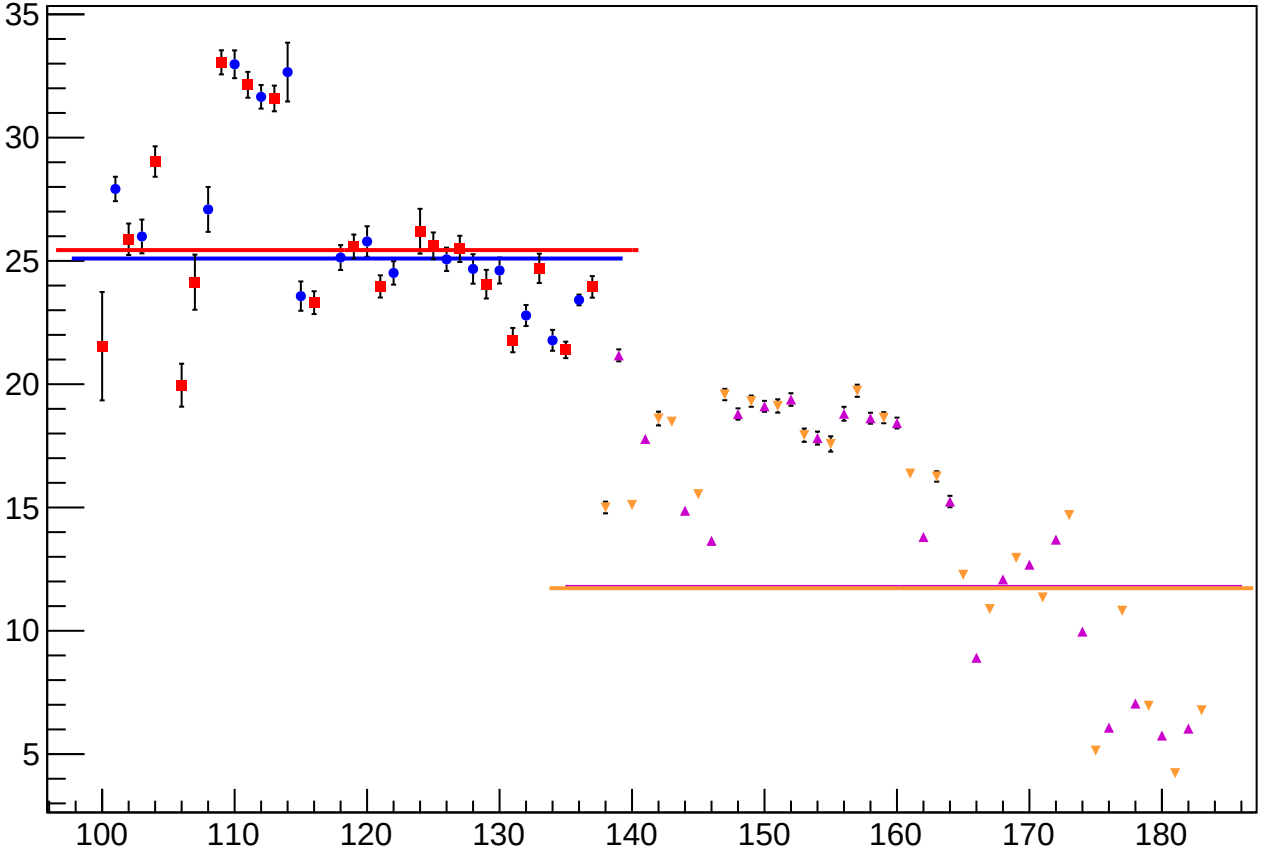
All: 0.127+/-0.004 χ^2/NDF: 4836.2/80

- sign 0.131+/-0.006 χ^2/NDF: 2760.9/40


reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug
18
16
14
12
10
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
Right In: 2.184+/-0.105 χ²/NDF: 599.3/15
Left Out: 8.189+/-0.035 χ²/NDF:13054.1/23
Right Out: 1.936+/-0.105 χ²/NDF: 717.1/18
Left In: 7.847+/-0.036 χ²/NDF:9925.2/21
+ sign 7.585+/-0.033 χ²/NDF: 16596.5/39
All: 7.409+/-0.024 χ²/NDF: 30104.4/80
- sign 7.222+/-0.034 χ²/NDF: 13450.4/40


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: 2.394+/-0.108 χ²/NDF: 333.9/15
Left Out: -0.030+/-0.028 χ²/NDF:5663.7/23
Right Out: 2.785+/-0.116 χ²/NDF: 410.9/18
Left In: 0.145+/-0.028 χ²/NDF:4265.2/21
+ sign 0.120+/-0.027 χ²/NDF: 6467.4/39
All: 0.205+/-0.019 χ²/NDF: 11653.7/80
- sign 0.294+/-0.028 χ²/NDF: 5165.8/40

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 11.727+/-0.035 χ^2/NDF:21264.9/23

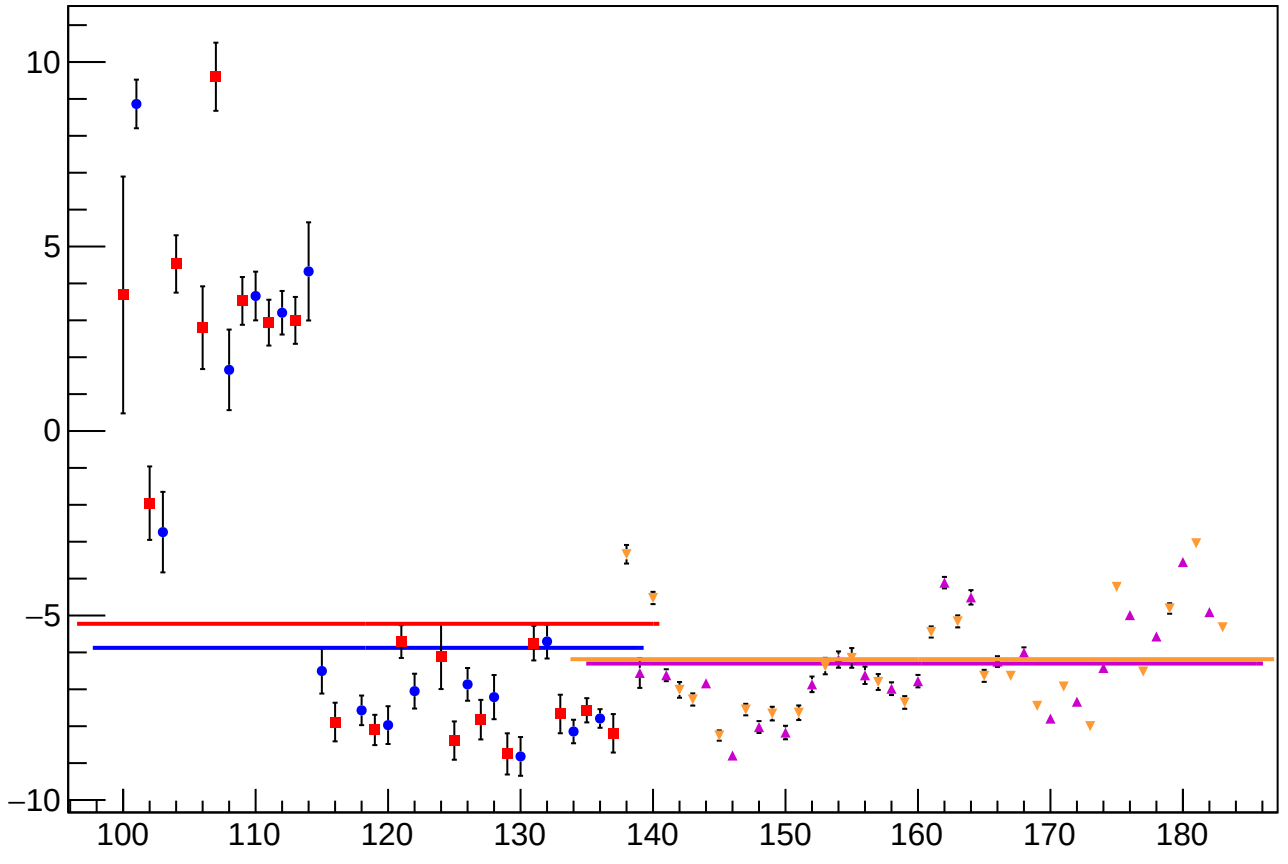
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 11.779+/-0.036 χ^2/NDF:17937.9/21

+ sign 12.828+/-0.034 χ^2/NDF: 33760.4/39

All: 12.841+/-0.024 χ^2/NDF: 63750.5/80

- sign 12.854+/-0.035 χ^2/NDF: 29989.9/40



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.183+/-0.031 χ^2/NDF:2342.1/23

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

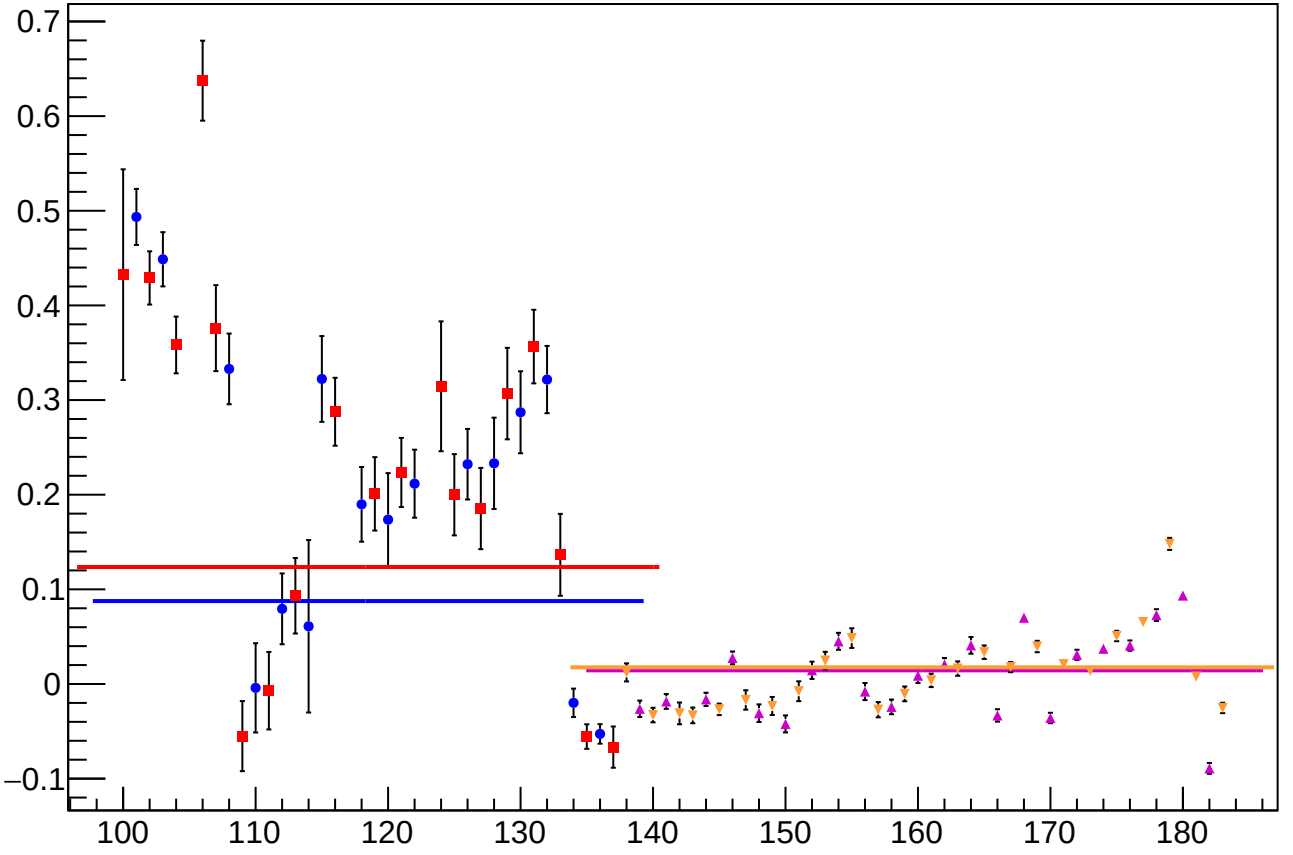
Left In: -6.303+/-0.032 χ^2/NDF:2026.5/21

+ sign -6.164+/-0.030 χ^2/NDF: 3599.6/39

All: -6.202+/-0.022 χ^2/NDF: 6986.8/80

- sign -6.242+/-0.031 χ^2/NDF: 3383.9/40

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.018+/-0.001 χ^2/NDF:874.7/23

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

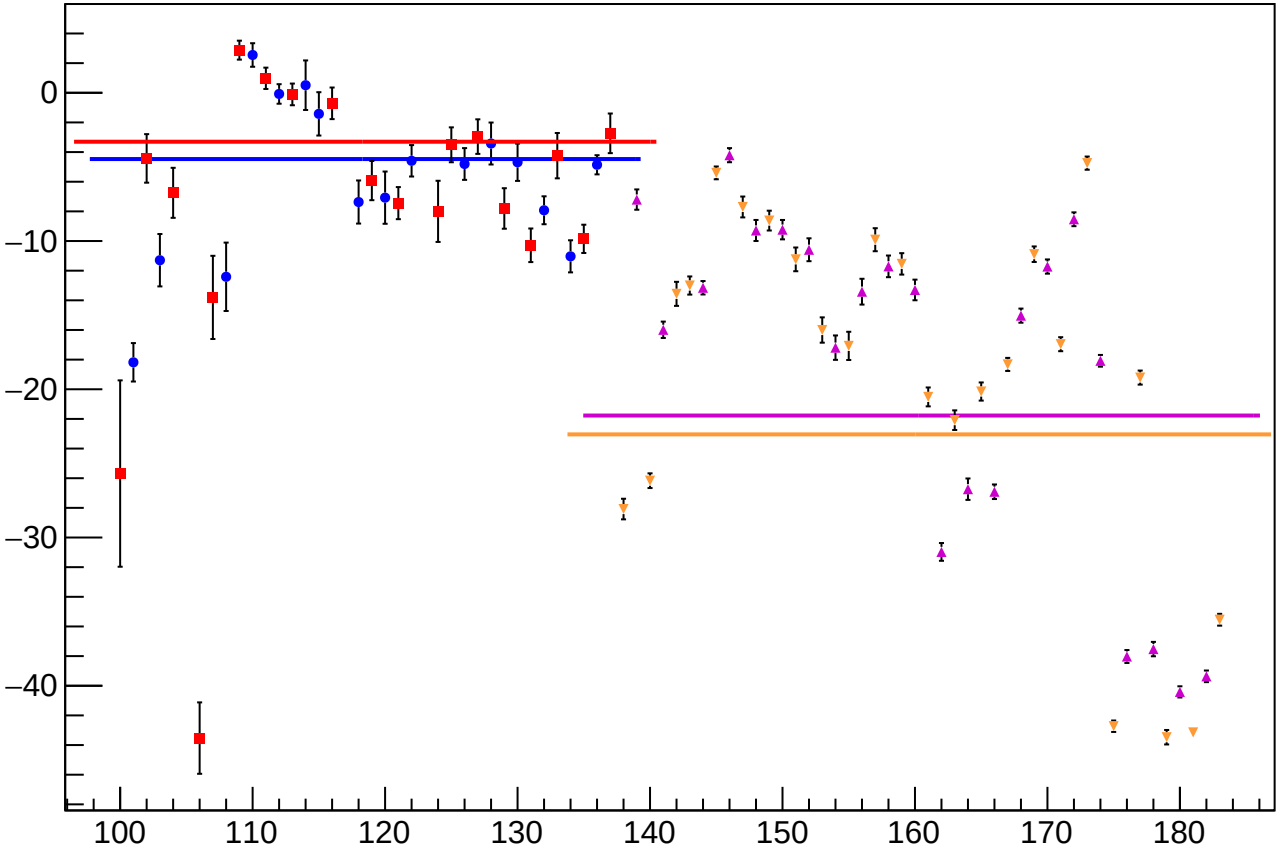
Left In: 0.014+/-0.001 χ^2/NDF:1116.5/21

+ sign 0.021+/-0.001 χ^2/NDF: 1750.8/39

All: 0.020+/-0.001 χ^2/NDF: 3844.6/80

- sign 0.018+/-0.001 χ^2/NDF: 2092.5/40

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -23.043+/-0.109 χ^2/NDF:15509.3/23

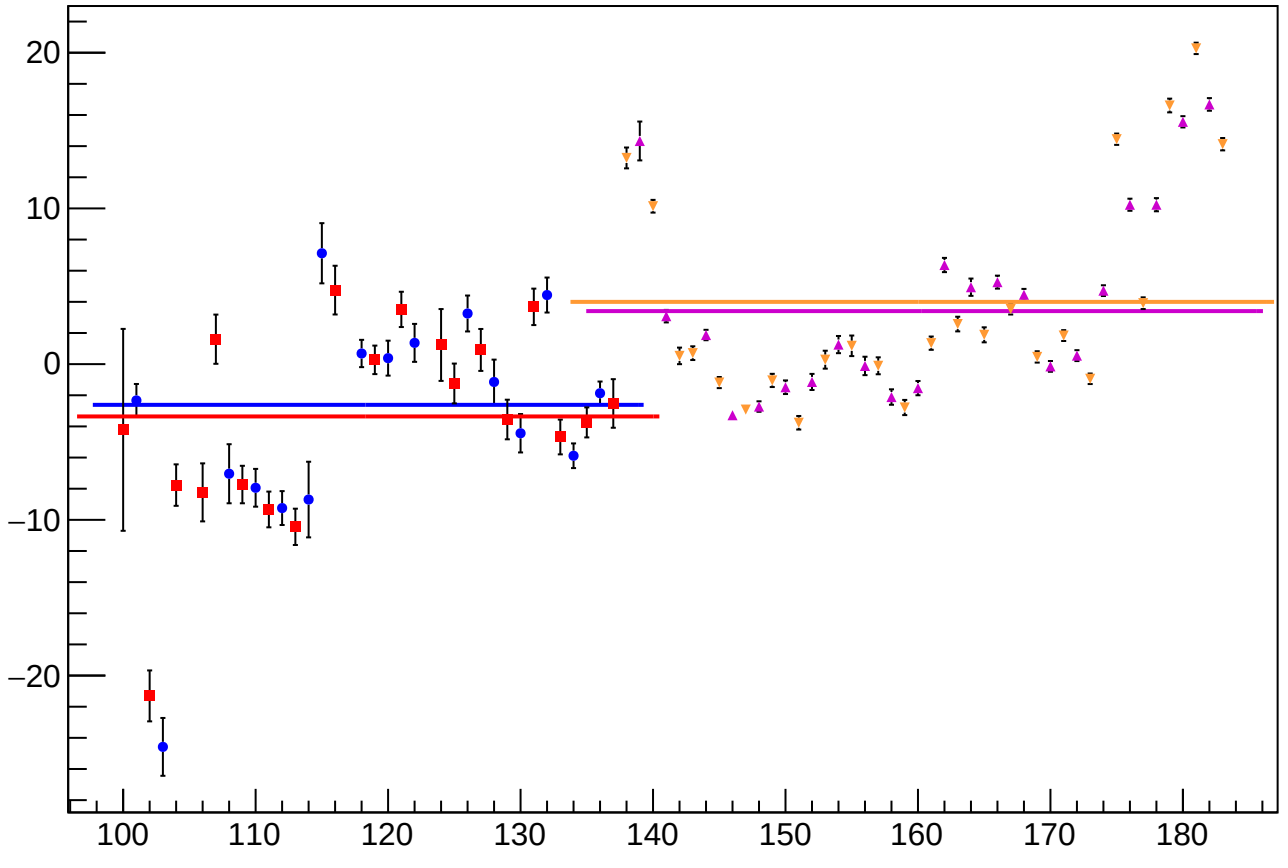
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -21.772+/-0.112 χ^2/NDF:12464.7/21

+ sign -20.404+/-0.101 χ^2/NDF: 19948.1/39

All: -19.657+/-0.072 χ^2/NDF: 37337.7/80

- sign -18.878+/-0.103 χ^2/NDF: 17278.1/40



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 3.999+/-0.085 χ^2/NDF:6632.7/23

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

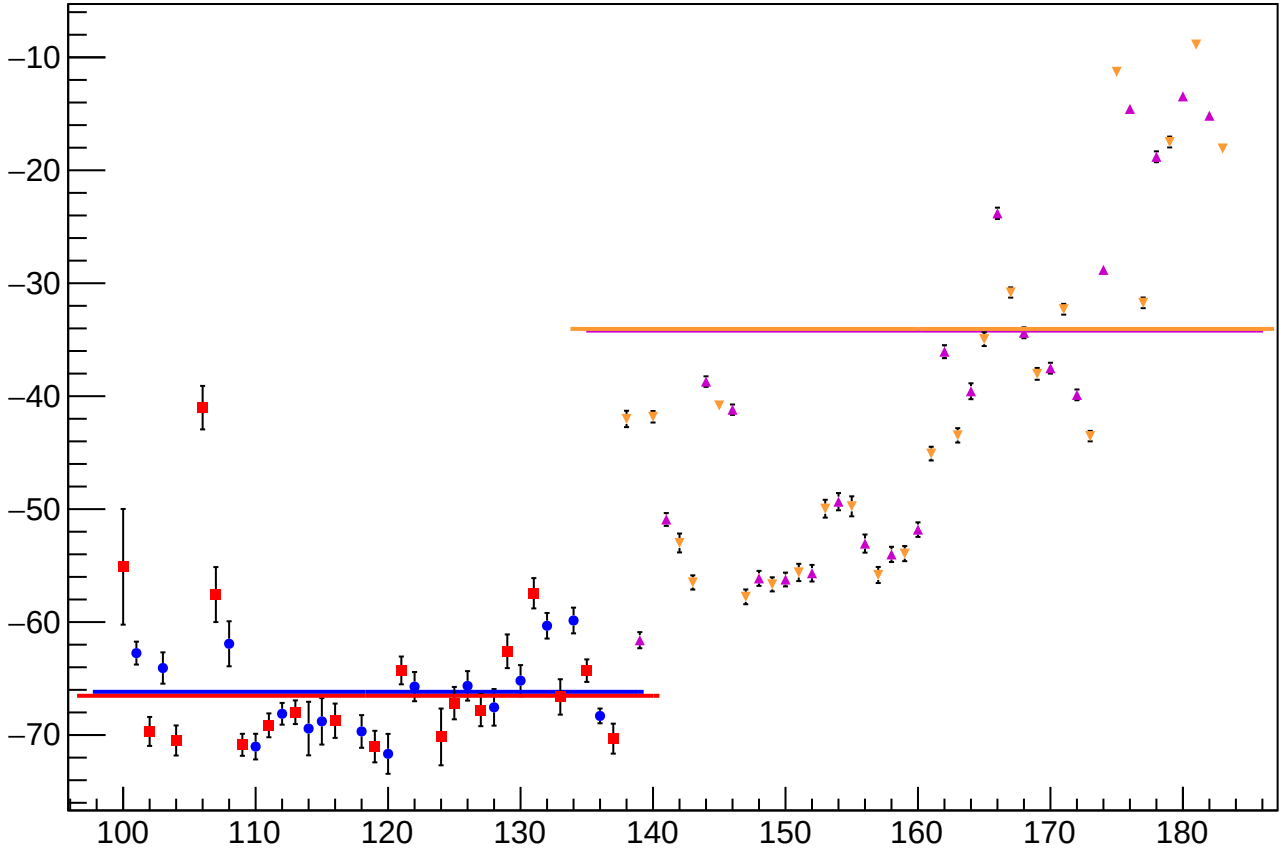
Left In: 3.406+/-0.087 χ^2/NDF:4509.6/21

+ sign 3.461+/-0.081 χ^2/NDF: 7476.8/39

All: 3.177+/-0.058 χ^2/NDF: 12843.8/80

- sign 2.879+/-0.083 χ^2/NDF: 5342.1/40

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -34.044+/-0.109 χ^2/NDF:20838.1/23

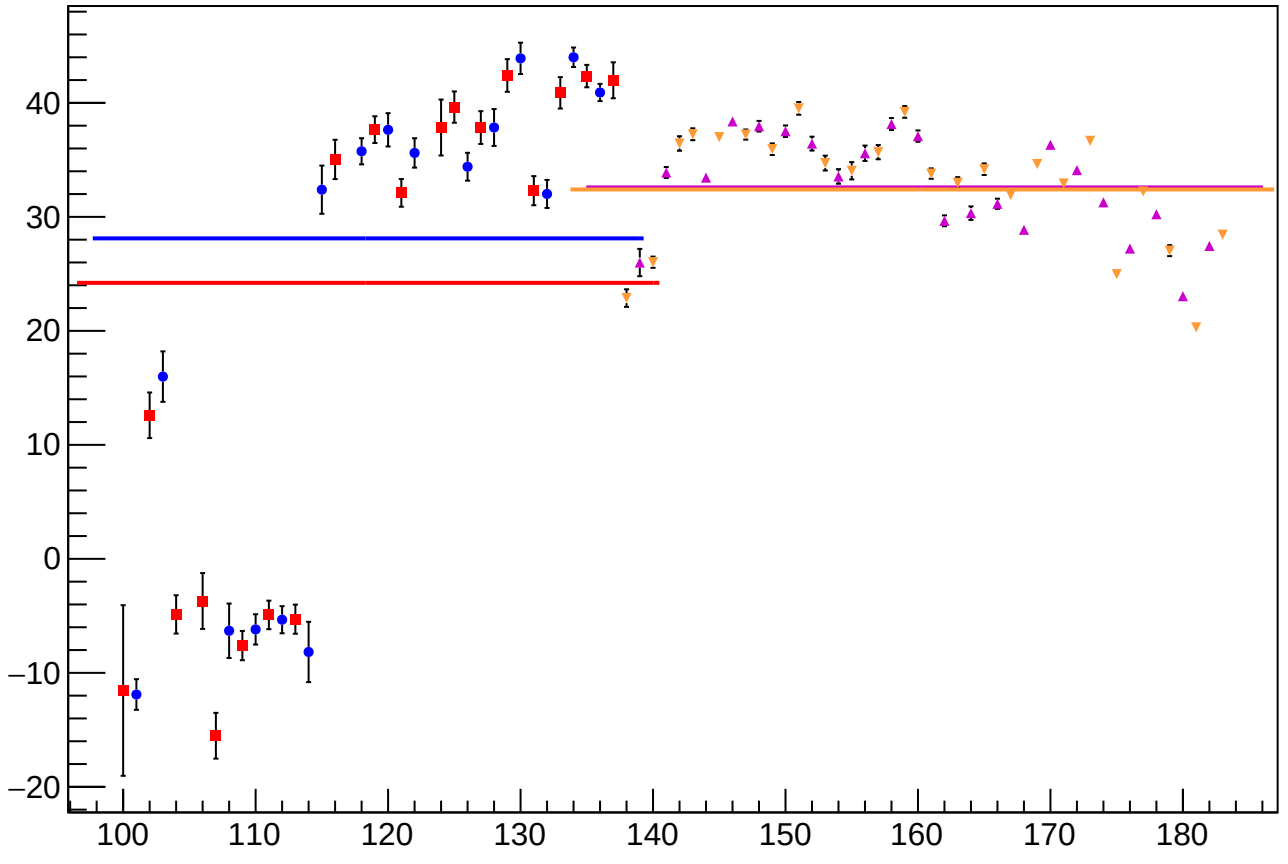
Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -34.194+/-0.112 χ^2/NDF:17686.5/21

+ sign -37.718+/-0.103 χ^2/NDF: 30841.2/39

All: -37.798+/-0.074 χ^2/NDF: 58336.1/80

- sign -37.882+/-0.106 χ^2/NDF: 27493.7/40



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 32.404+/-0.095 χ^2/NDF:2873.7/23

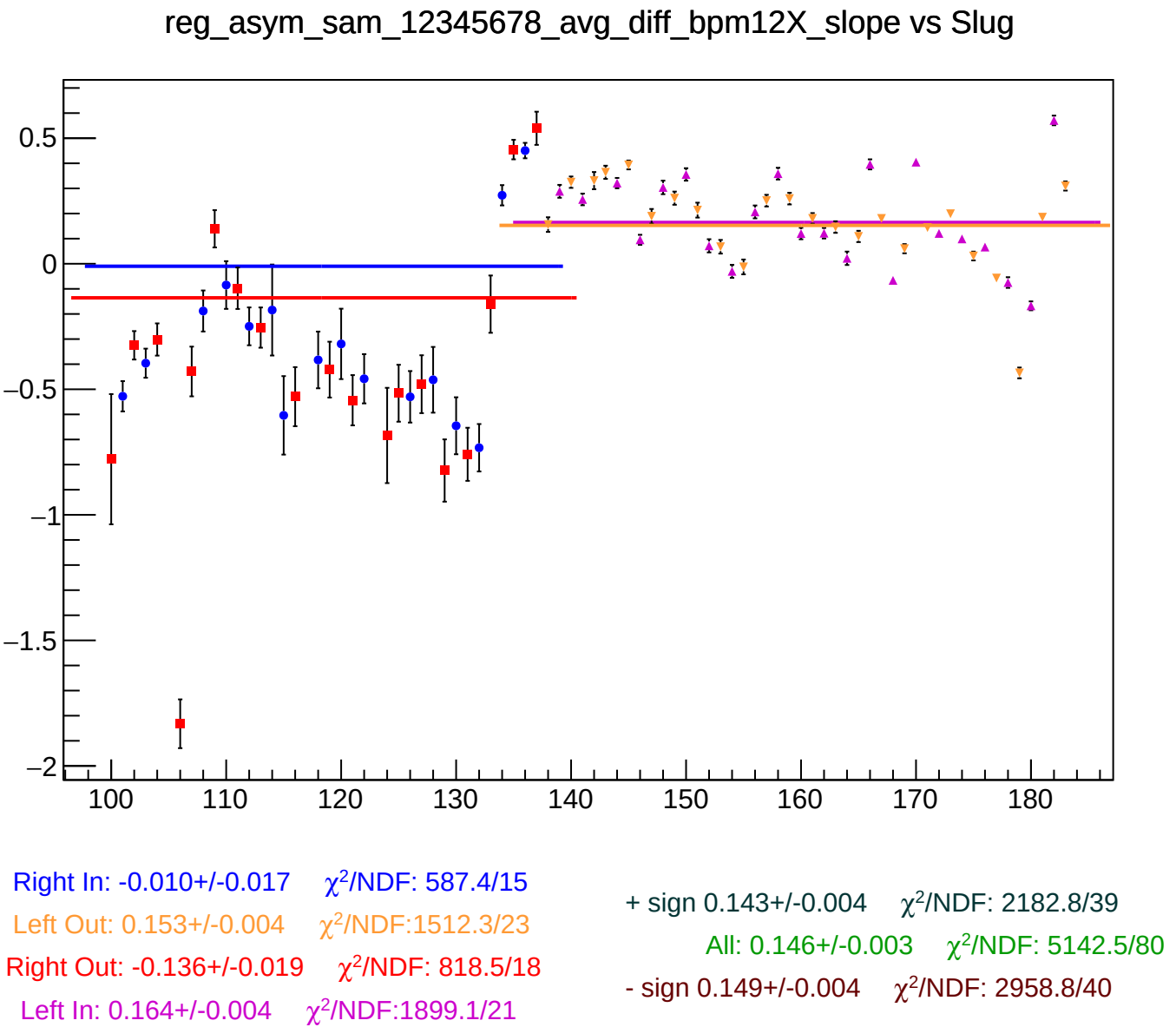
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 32.584+/-0.098 χ^2/NDF:2011.6/21

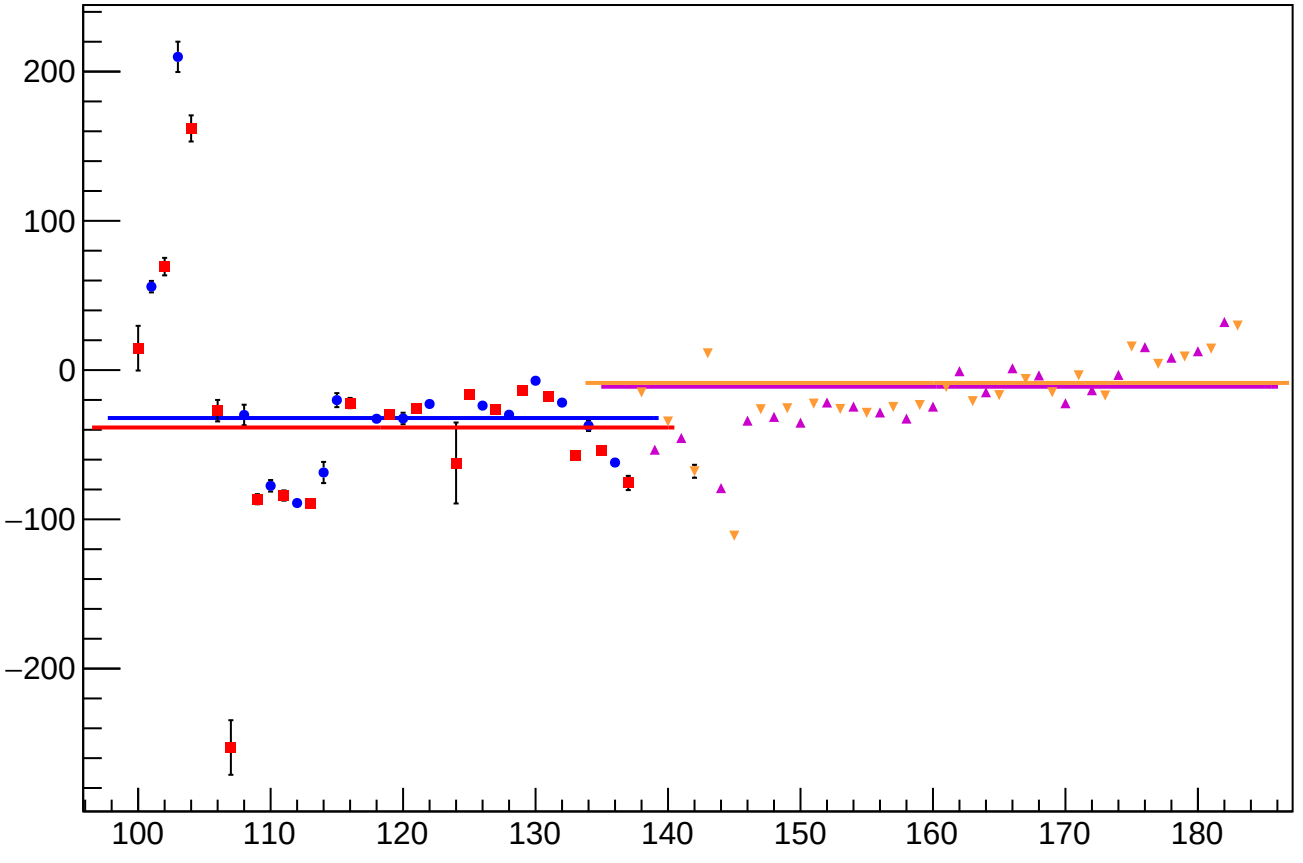
\+ sign 32.054+/-0.091 χ^2/NDF: 6766.6/39

All: 31.994+/-0.065 χ^2/NDF: 13194.6/80

\- sign 31.932+/-0.094 χ^2/NDF: 6427.1/40


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: -0.010+/-0.017 χ²/NDF: 587.4/15
Left Out: 0.153+/-0.004 χ²/NDF:1512.3/23
Right Out: -0.136+/-0.019 χ²/NDF: 818.5/18
Left In: 0.164+/-0.004 χ²/NDF:1899.1/21
+ sign 0.143+/-0.004 χ²/NDF: 2182.8/39
All: 0.146+/-0.003 χ²/NDF: 5142.5/80
- sign 0.149+/-0.004 χ²/NDF: 2958.8/40

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -8.605+/-0.518 χ^2/NDF:2537.7/23

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

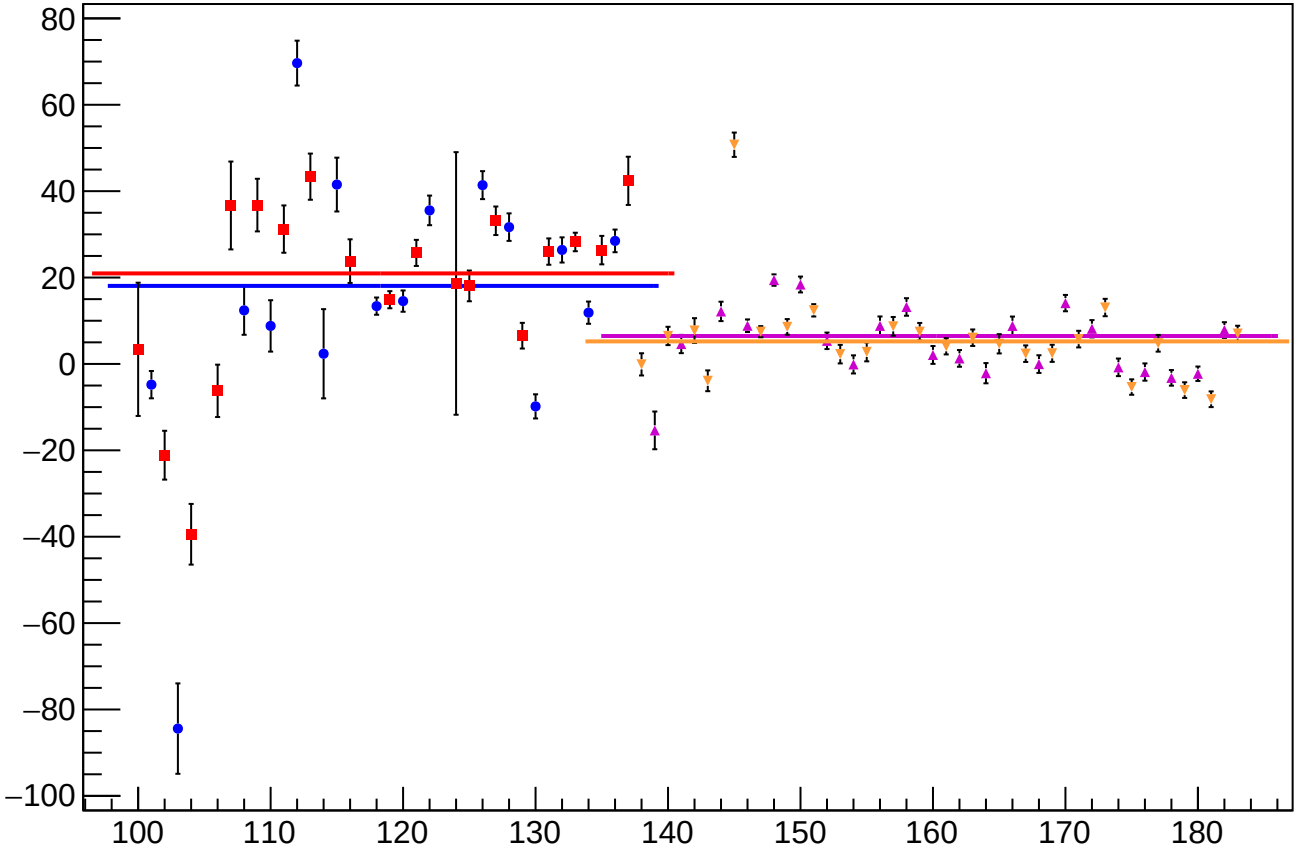
Left In: -11.149+/-0.534 χ^2/NDF:2399.9/21

+ sign -15.049+/-0.441 χ^2/NDF: 4980.3/39

All: -16.815+/-0.316 χ^2/NDF: 10108.5/80

- sign -18.686+/-0.454 χ^2/NDF: 5095.2/40

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 5.221+/-0.396 χ^2/NDF:469.0/23

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

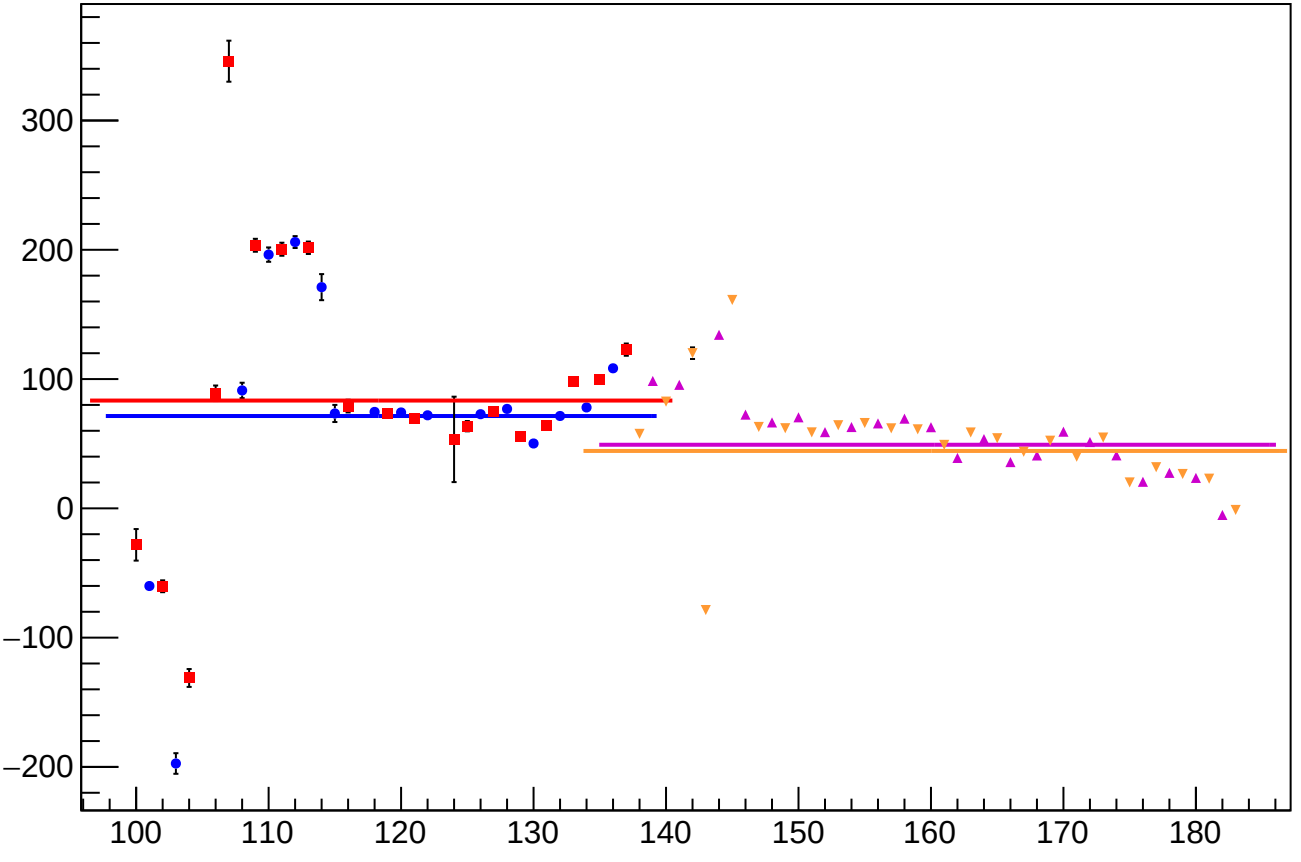
Left In: 6.464+/-0.412 χ^2/NDF:336.0/21

\+ sign 7.643+/-0.357 χ^2/NDF: 1166.5/39

All: 8.354+/-0.258 χ^2/NDF: 2000.8/80

\- sign 9.124+/-0.372 χ^2/NDF: 826.1/40

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 44.409+/-0.514 χ^2/NDF:4528.9/23

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

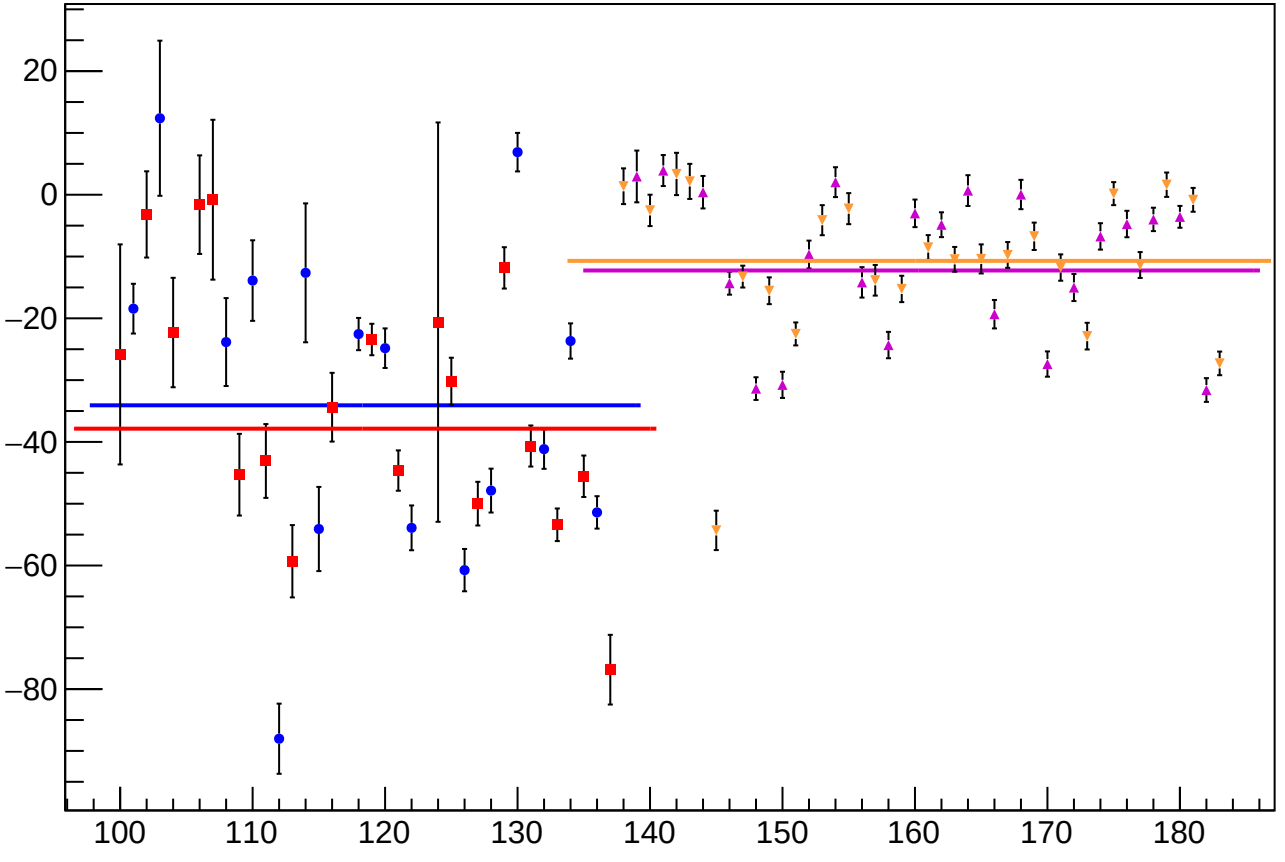
Left In: 49.193+/-0.528 χ^2/NDF:3200.1/21

+ sign 50.711+/-0.450 χ^2/NDF: 9993.6/39

All: 53.663+/-0.323 χ^2/NDF: 18516.0/80

- sign 56.822+/-0.465 χ^2/NDF: 8433.2/40

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.700+/-0.448 χ^2/NDF:536.3/23

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

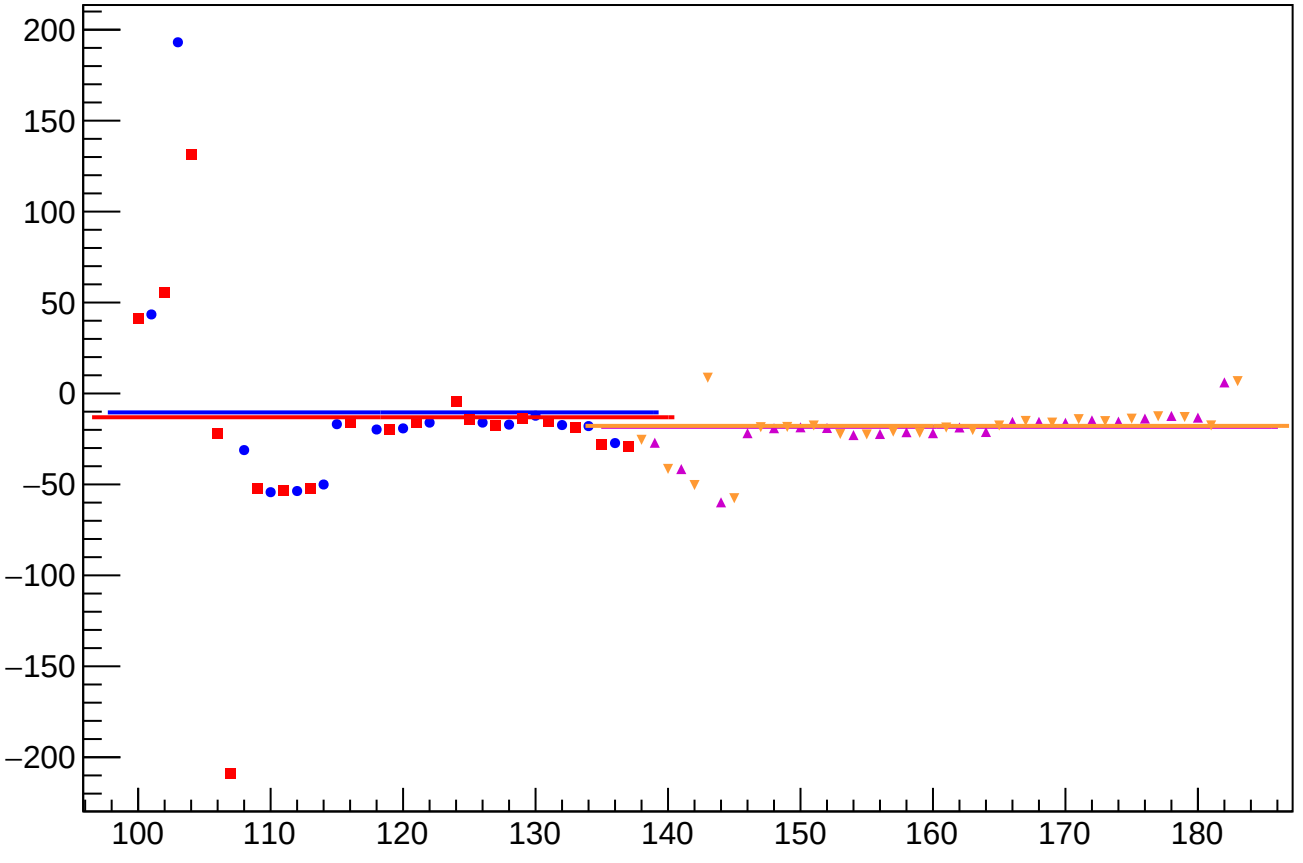
Left In: -12.257+/-0.464 χ^2/NDF:646.5/21

+ sign -15.014+/-0.405 χ^2/NDF: 1549.5/39

All: -15.889+/-0.291 χ^2/NDF: 3025.3/80

- sign -16.831+/-0.420 χ^2/NDF: 1466.1/40

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -17.811+/-0.020 χ^2/NDF:318347.3/23

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

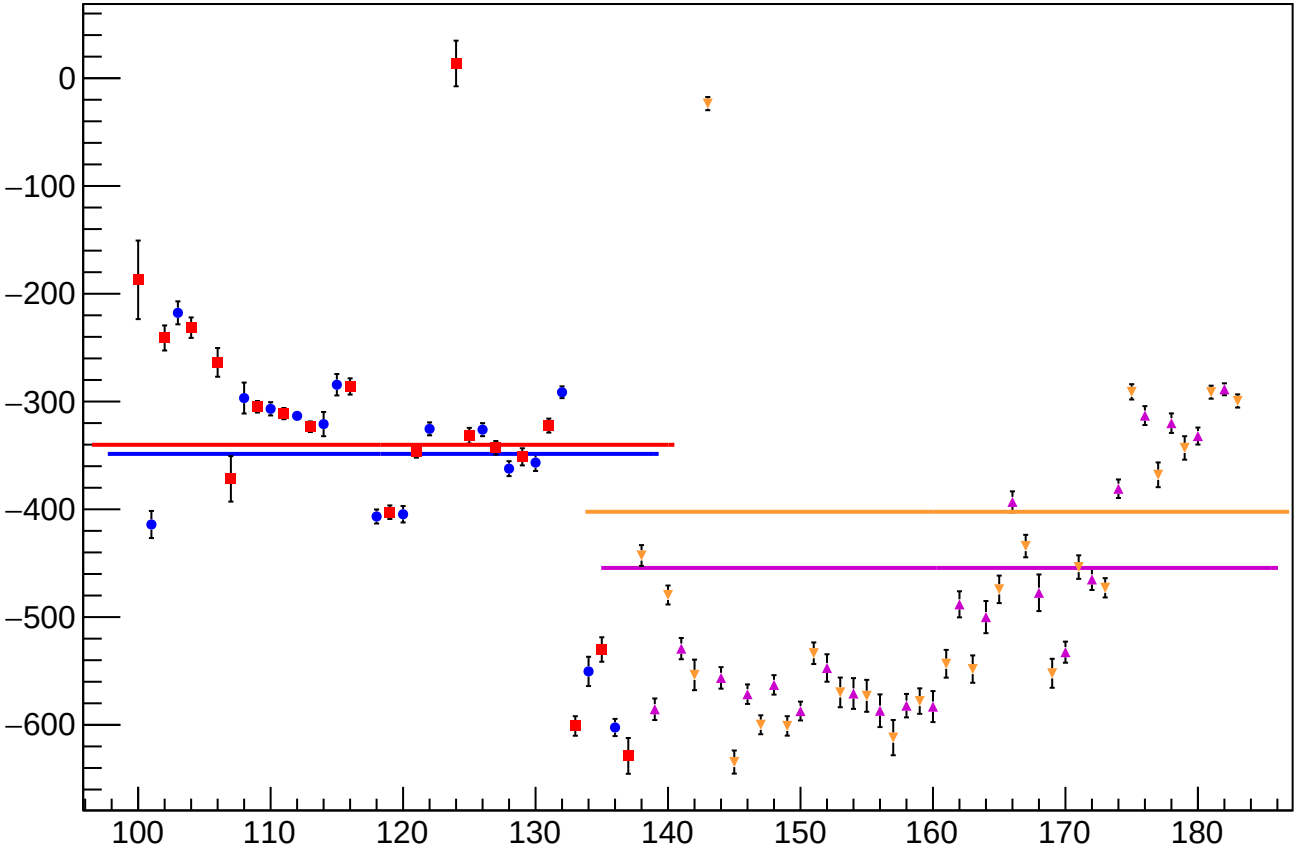
Left In: -18.328+/-0.021 χ^2/NDF:239923.7/21

+ sign -16.982+/-0.019 χ^2/NDF: 855791.0/39

All: -17.390+/-0.014 χ^2/NDF: 1552626.7/80

- sign -17.819+/-0.019 χ^2/NDF: 695891.1/40

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -402.290+/-1.947 χ^2/NDF:7739.4/23

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

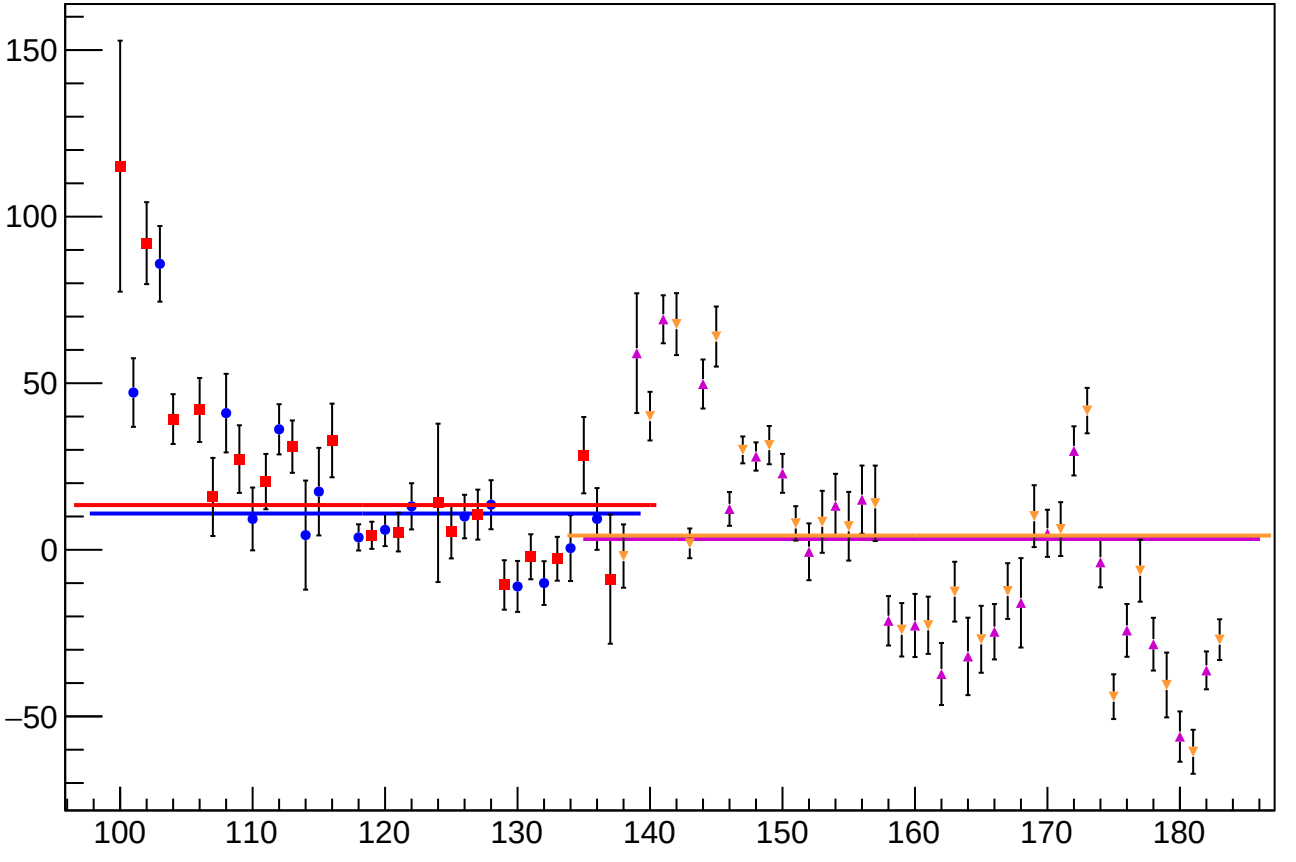
Left In: -454.386+/-2.085 χ^2/NDF:3102.9/21

+ sign -373.699+/-1.331 χ^2/NDF: 10002.7/39

All: -380.609+/-0.946 χ^2/NDF: 17110.7/80

- sign -387.659+/-1.345 χ^2/NDF: 7053.6/40

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 4.280+/-1.458 χ^2/NDF:447.0/23

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

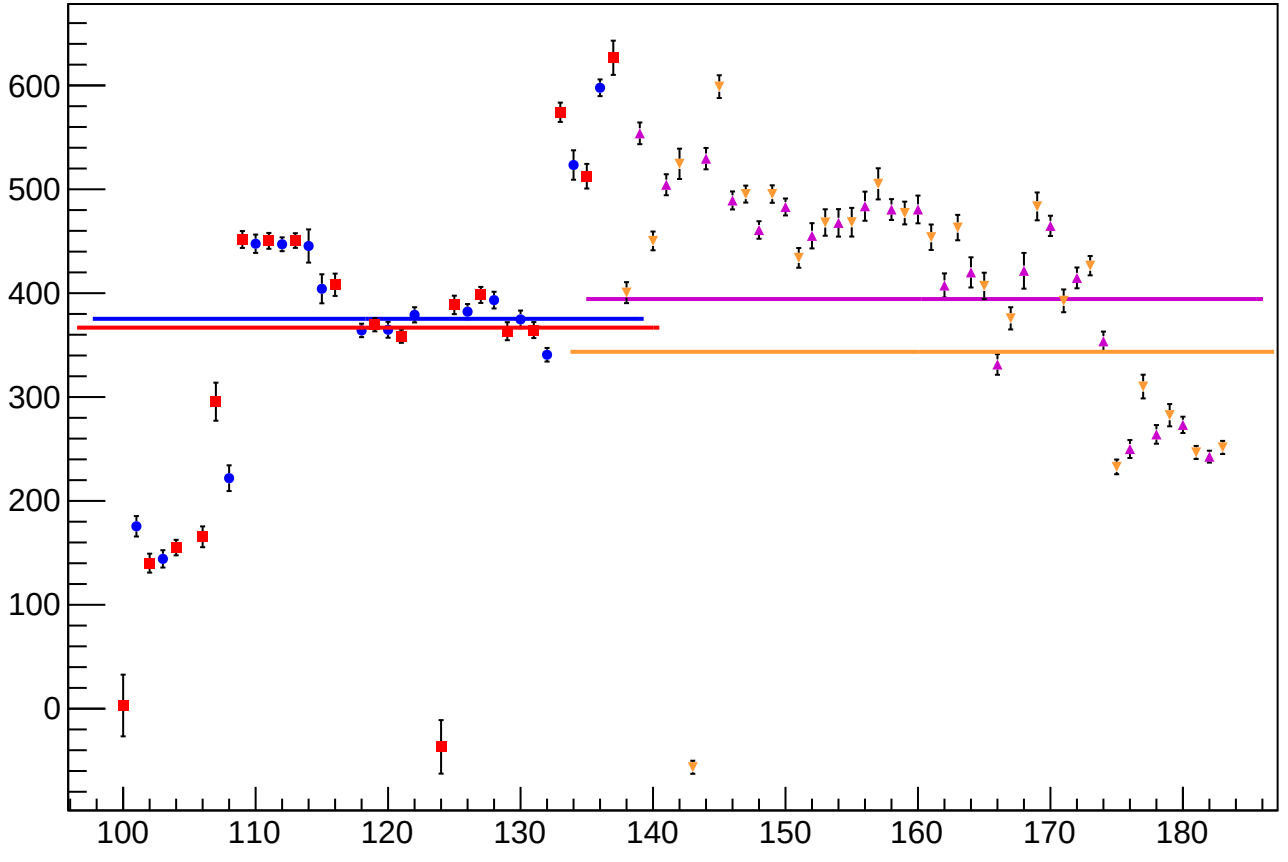
Left In: 3.244+/-1.574 χ^2/NDF:395.8/21

+ sign 6.824+/-1.144 χ^2/NDF: 553.2/39

All: 7.151+/-0.828 χ^2/NDF: 1079.1/80

- sign 7.510+/-1.200 χ^2/NDF: 525.8/40

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 343.545+/-1.942 χ^2/NDF:7259.6/23

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

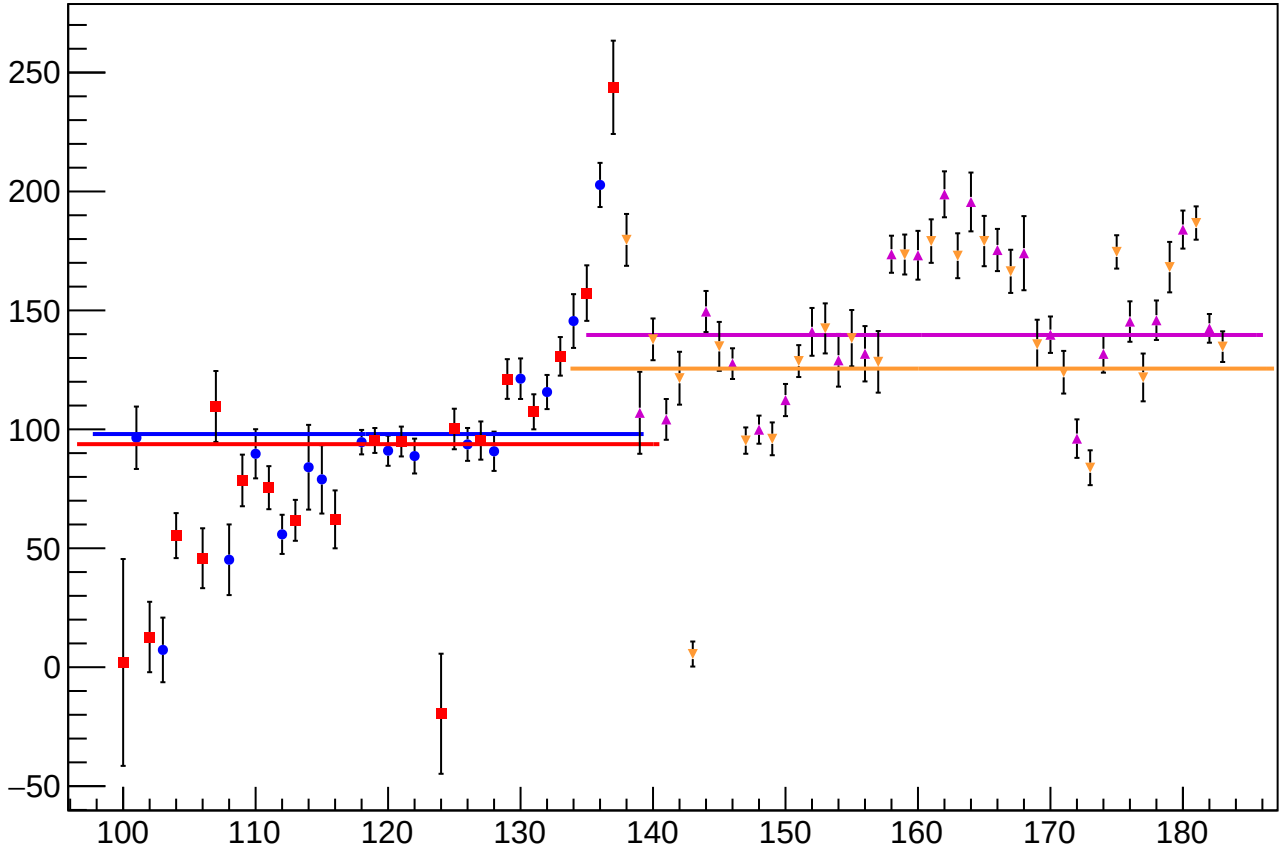
Left In: 394.352+/-2.068 χ^2/NDF:2586.4/21

+ sign 358.172+/-1.427 χ^2/NDF: 9832.3/39

All: 369.096+/-1.019 χ^2/NDF: 16168.9/80

- sign 380.468+/-1.456 χ^2/NDF: 6216.9/40

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 125.536+/-1.677 χ^2/NDF:914.9/23

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

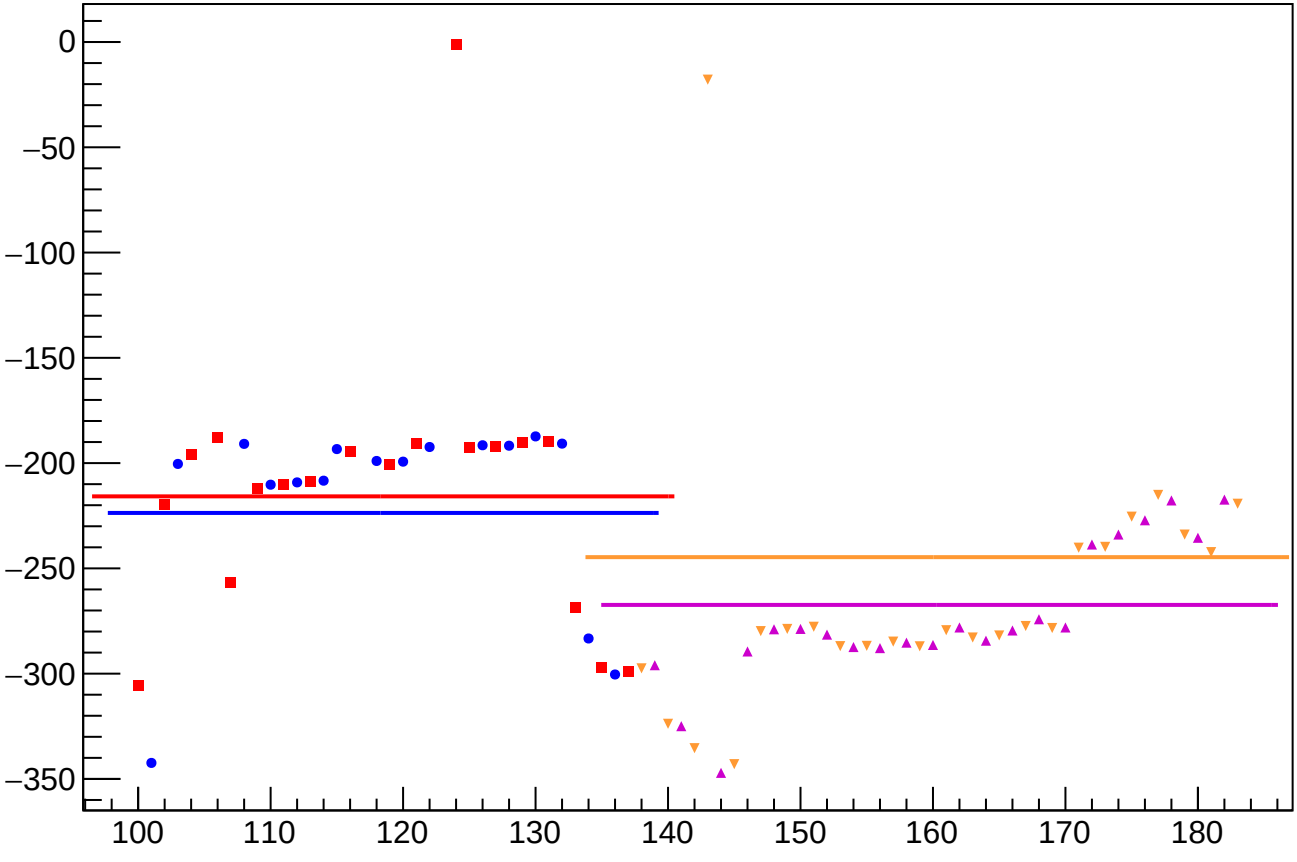
Left In: 139.668+/-1.796 χ^2/NDF:259.2/21

+ sign 115.093+/-1.321 χ^2/NDF: 1266.6/39

All: 117.779+/-0.953 χ^2/NDF: 2041.7/80

- sign 120.689+/-1.375 χ^2/NDF: 766.5/40

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -244.668+/-0.078 χ^2/NDF:995252.6/23

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

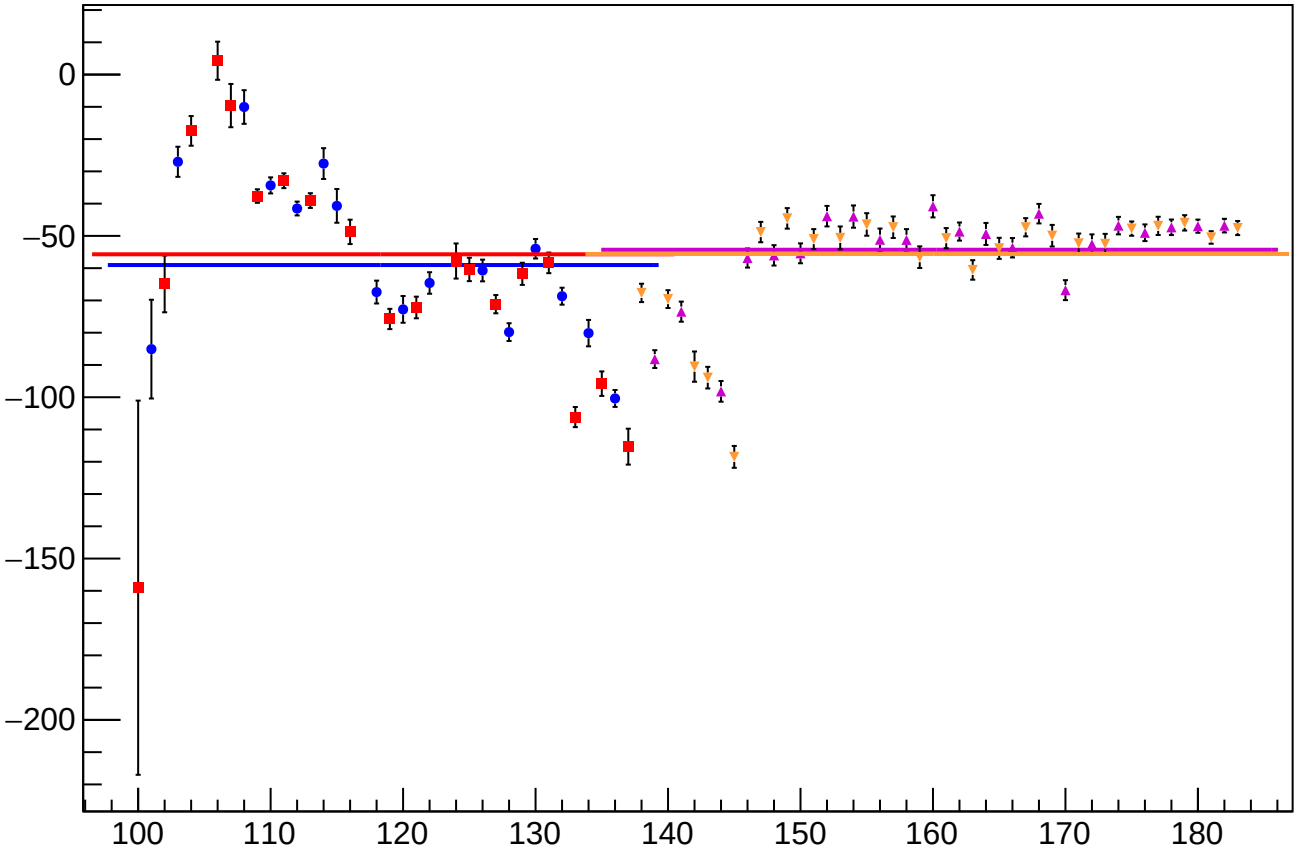
Left In: -267.353+/-0.082 χ^2/NDF:160706.6/21

+ sign -239.567+/-0.068 χ^2/NDF: 1134244.4/39

All: -246.309+/-0.049 χ^2/NDF: 1504015.6/80

- sign -253.396+/-0.070 χ^2/NDF: 349699.7/40

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -55.597+/-0.594 χ^2/NDF:686.4/23

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

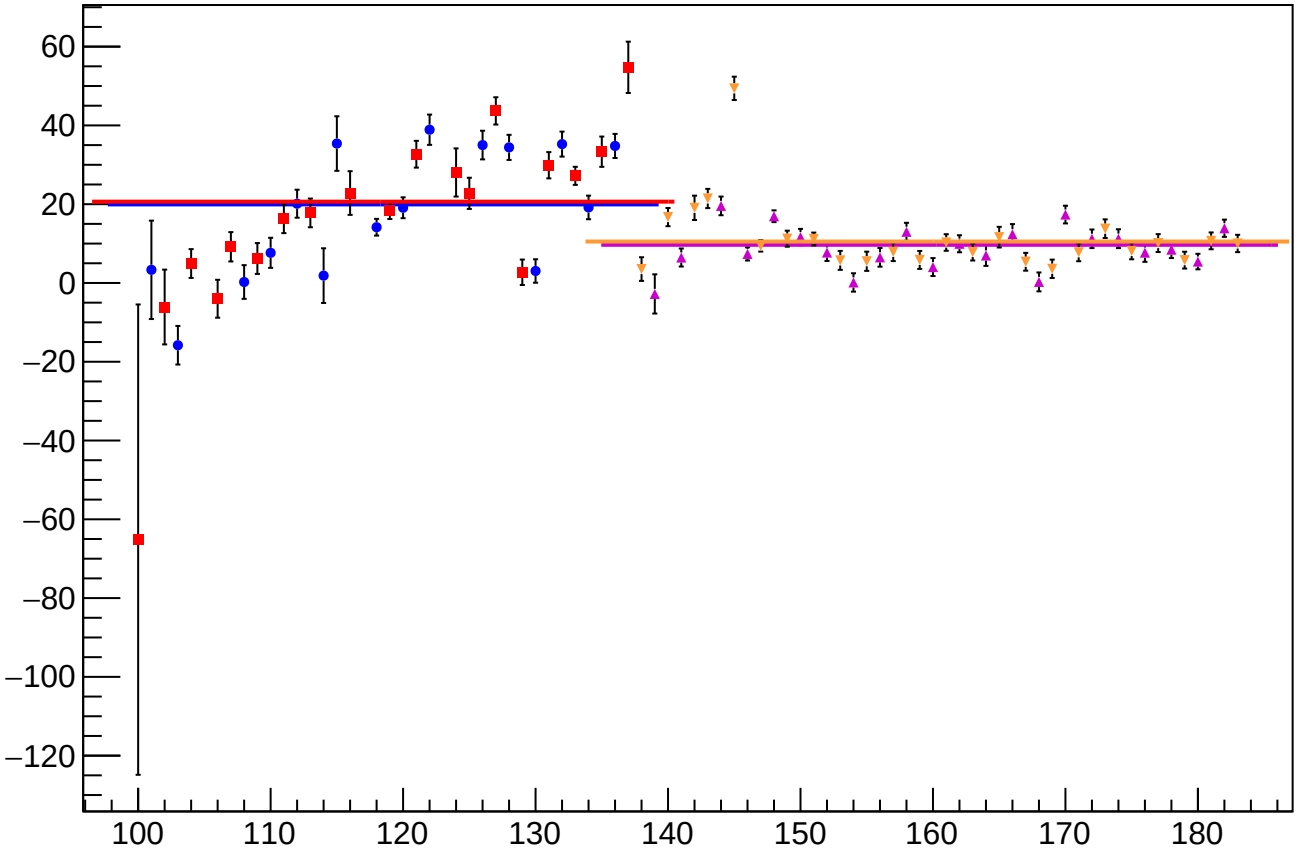
Left In: -54.290+/-0.614 χ^2/NDF:495.7/21

+ sign -56.762+/-0.483 χ^2/NDF: 1425.0/39

All: -55.795+/-0.342 χ^2/NDF: 2971.9/80

- sign -54.821+/-0.485 χ^2/NDF: 1538.8/40

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.518+/-0.452 χ^2/NDF:252.1/23

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

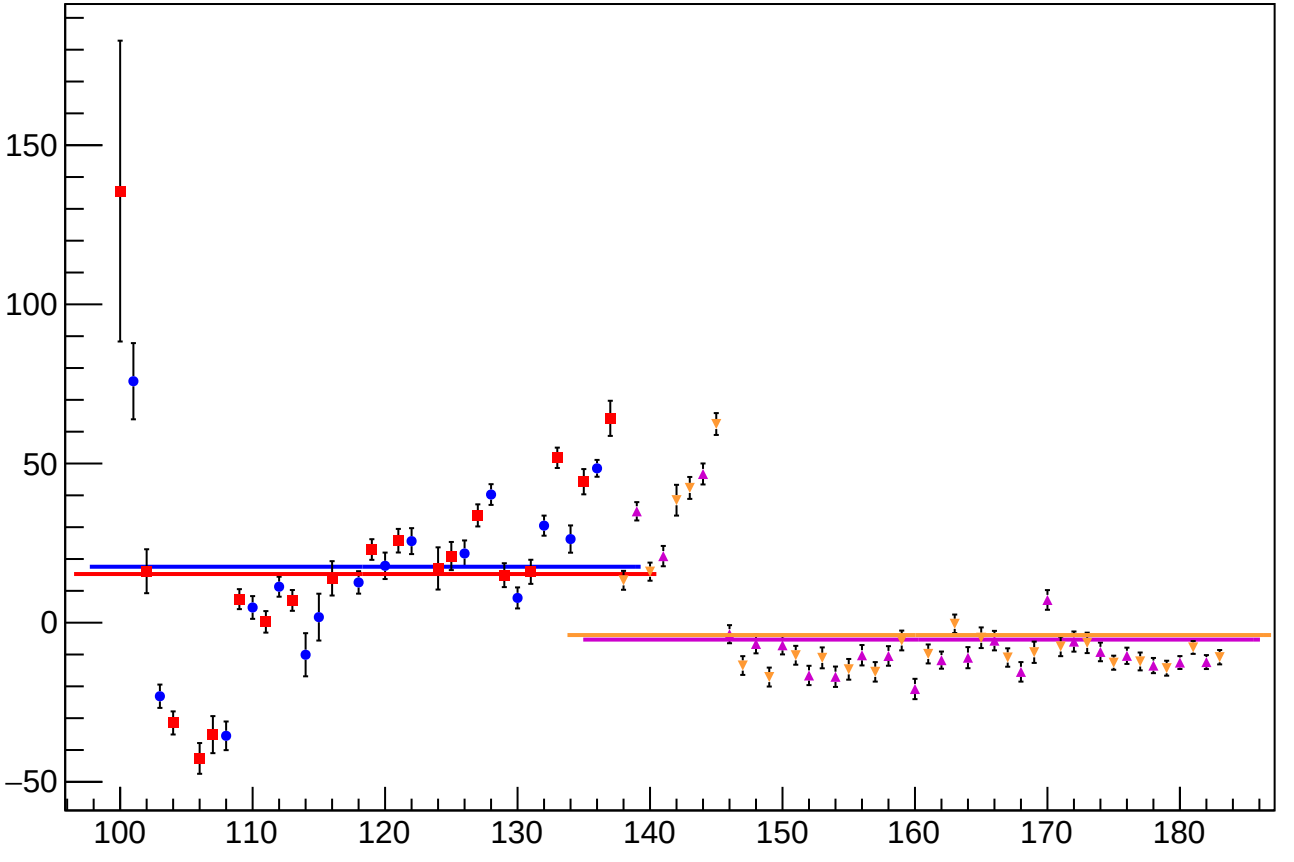
Left In: 9.687+/-0.471 χ^2/NDF:119.3/21

\+ sign 12.531+/-0.401 χ^2/NDF: 592.2/39

All: 12.412+/-0.287 χ^2/NDF: 1065.0/80

\- sign 12.287+/-0.411 χ^2/NDF: 472.6/40

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -3.885+/-0.589 χ^2/NDF:850.2/23

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

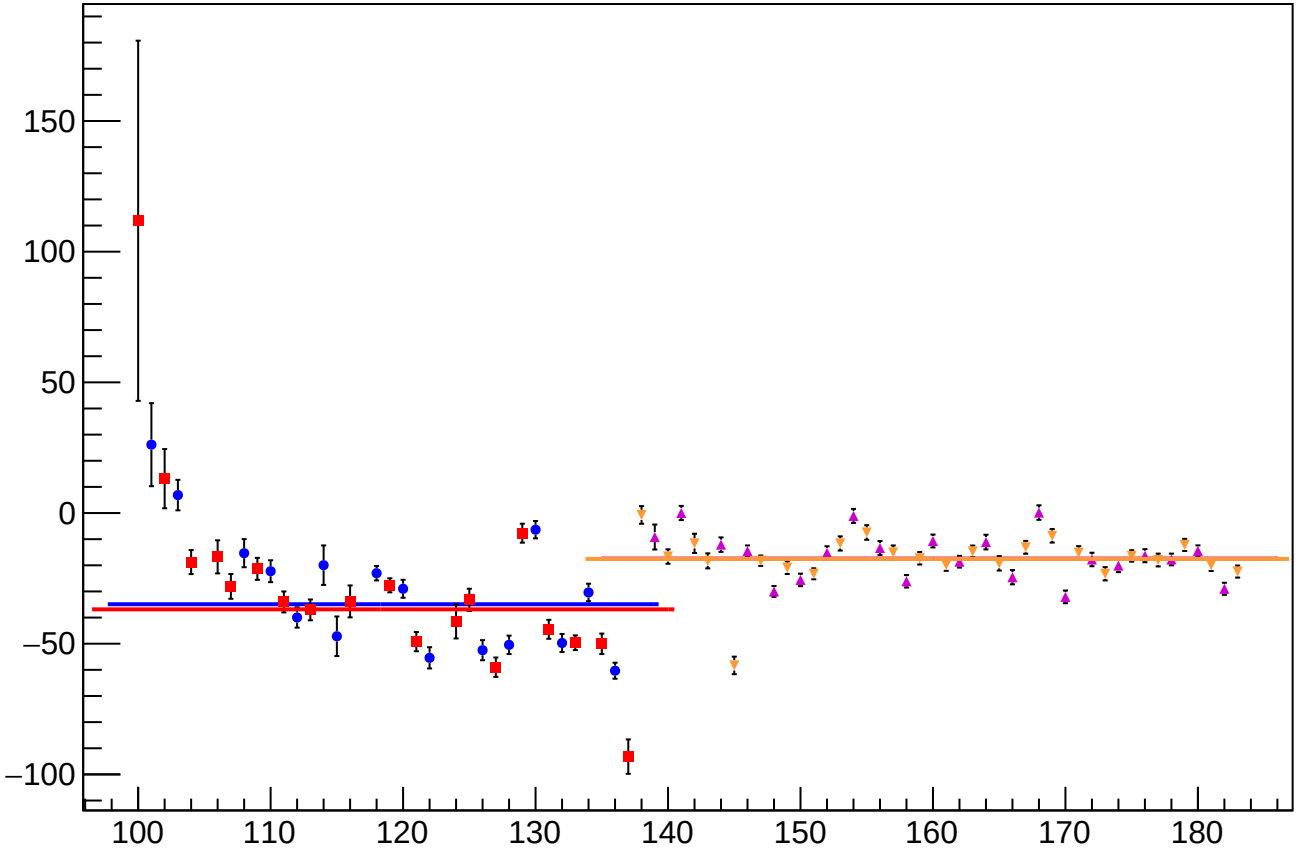
Left In: -5.316+/-0.606 χ^2/NDF:645.2/21

+ sign 2.015+/-0.502 χ^2/NDF: 1761.2/39

All: 1.413+/-0.357 χ^2/NDF: 3481.6/80

- sign 0.793+/-0.509 χ^2/NDF: 1717.4/40

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.560+/-0.512 χ^2/NDF:238.0/23

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

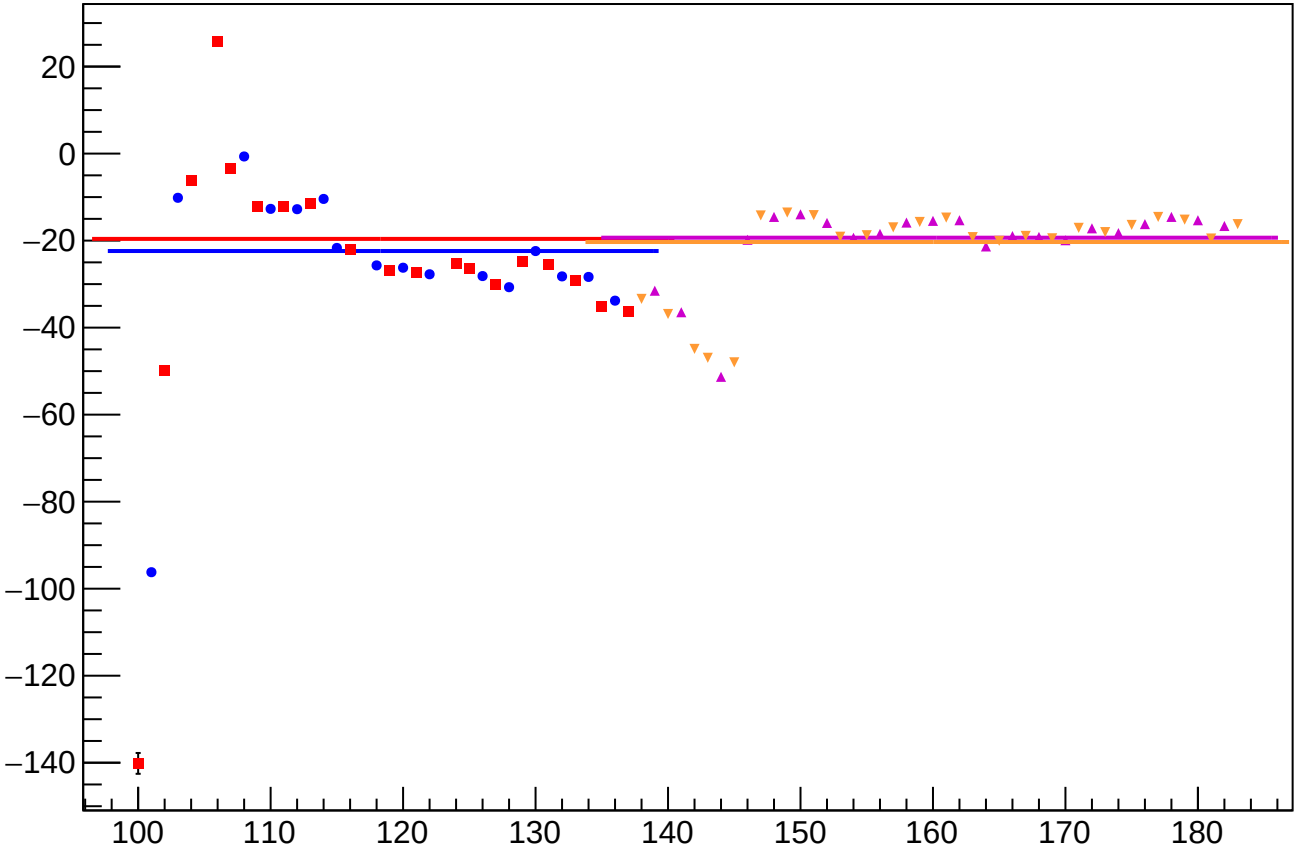
Left In: -17.414+/-0.531 χ^2/NDF:275.5/21

+ sign -21.218+/-0.455 χ^2/NDF: 826.5/39

All: -21.550+/-0.325 χ^2/NDF: 1713.8/80

- sign -21.896+/-0.466 χ^2/NDF: 886.2/40

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.321+/-0.023 χ^2/NDF:146391.8/23

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

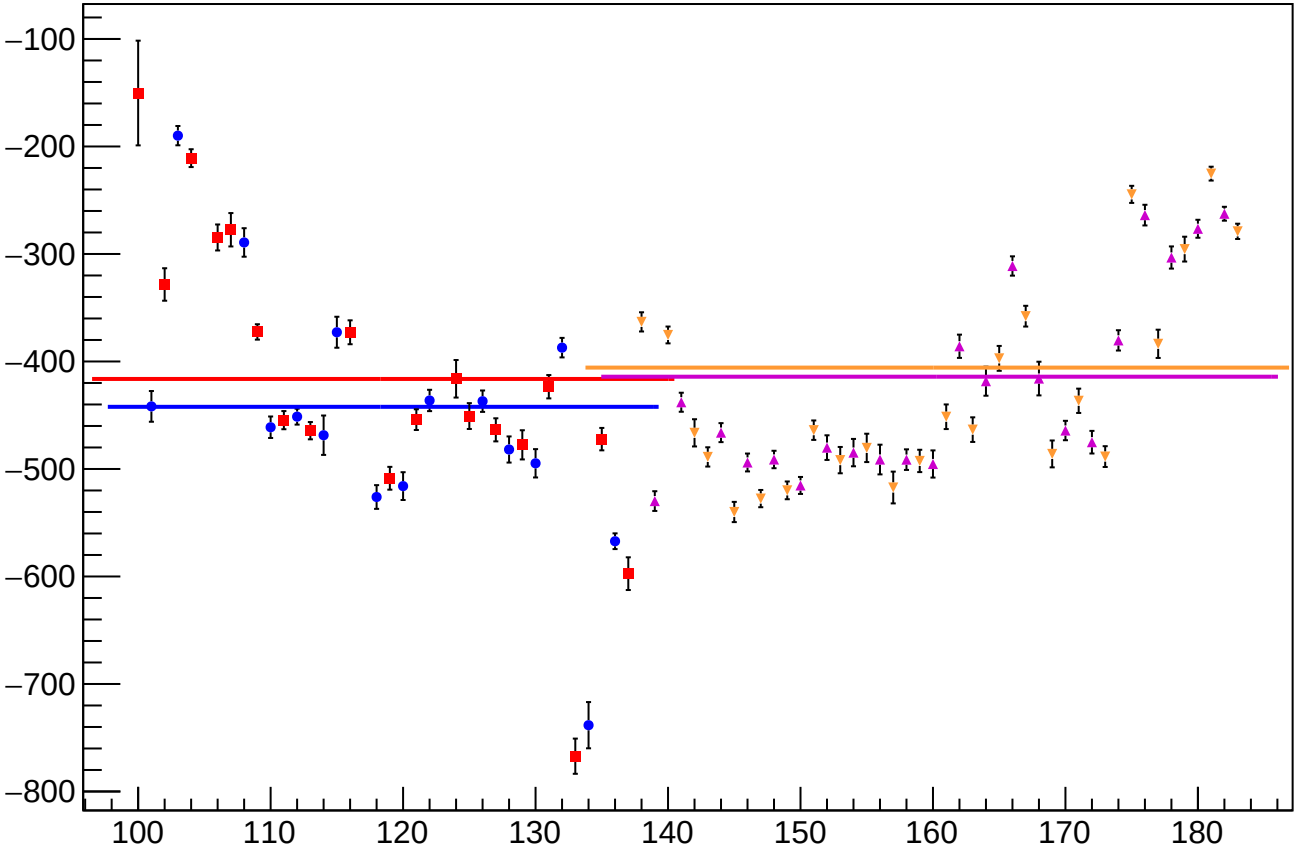
Left In: -19.330+/-0.023 χ^2/NDF:93052.1/21

+ sign -20.602+/-0.021 χ^2/NDF: 194004.7/39

All: -19.996+/-0.015 χ^2/NDF: 372568.0/80

- sign -19.367+/-0.022 χ^2/NDF: 176936.4/40

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -405.695+/-1.966 χ^2/NDF:2813.8/23

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

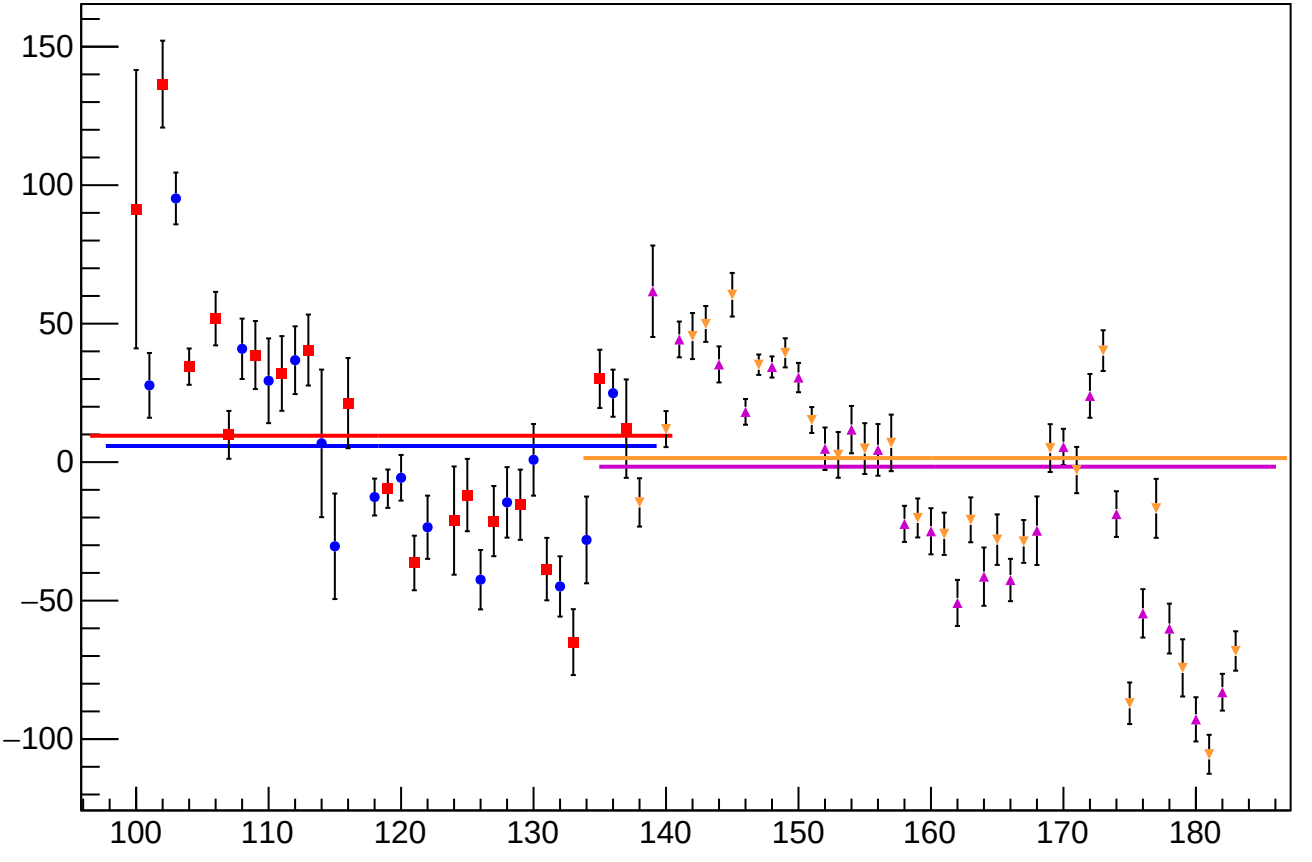
Left In: -414.162+/-2.038 χ^2/NDF:2146.4/21

+ sign -418.450+/-1.586 χ^2/NDF: 4523.3/39

All: -416.719+/-1.121 χ^2/NDF: 8426.4/80

- sign -414.990+/-1.585 χ^2/NDF: 3900.7/40

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 1.475+/-1.434 χ^2/NDF:897.2/23

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

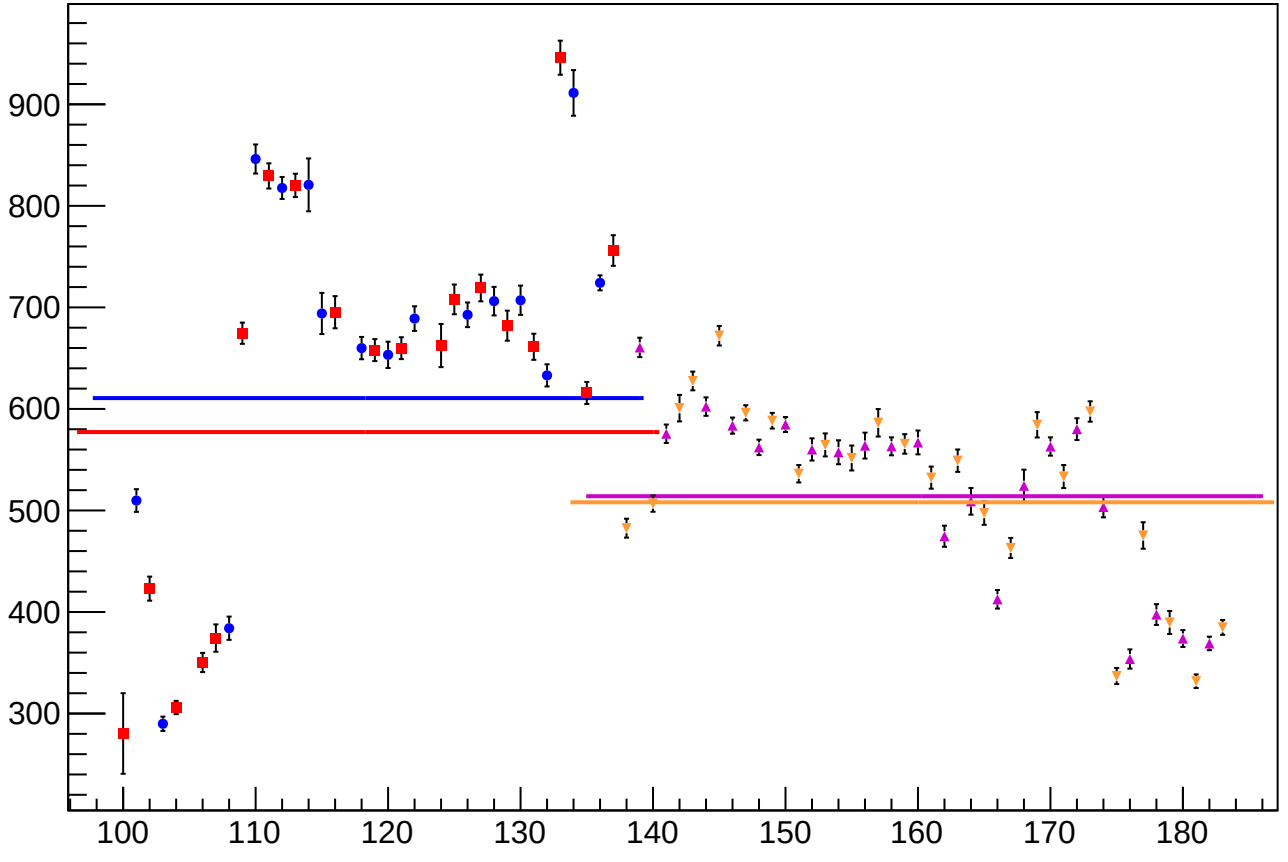
Left In: -1.652+/-1.495 χ^2/NDF:720.1/21

+ sign 2.416+/-1.269 χ^2/NDF: 1087.3/39

All: 1.819+/-0.905 χ^2/NDF: 2044.3/80

- sign 1.201+/-1.291 χ^2/NDF: 956.6/40

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 508.064+/-1.949 χ^2/NDF:2598.2/23

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

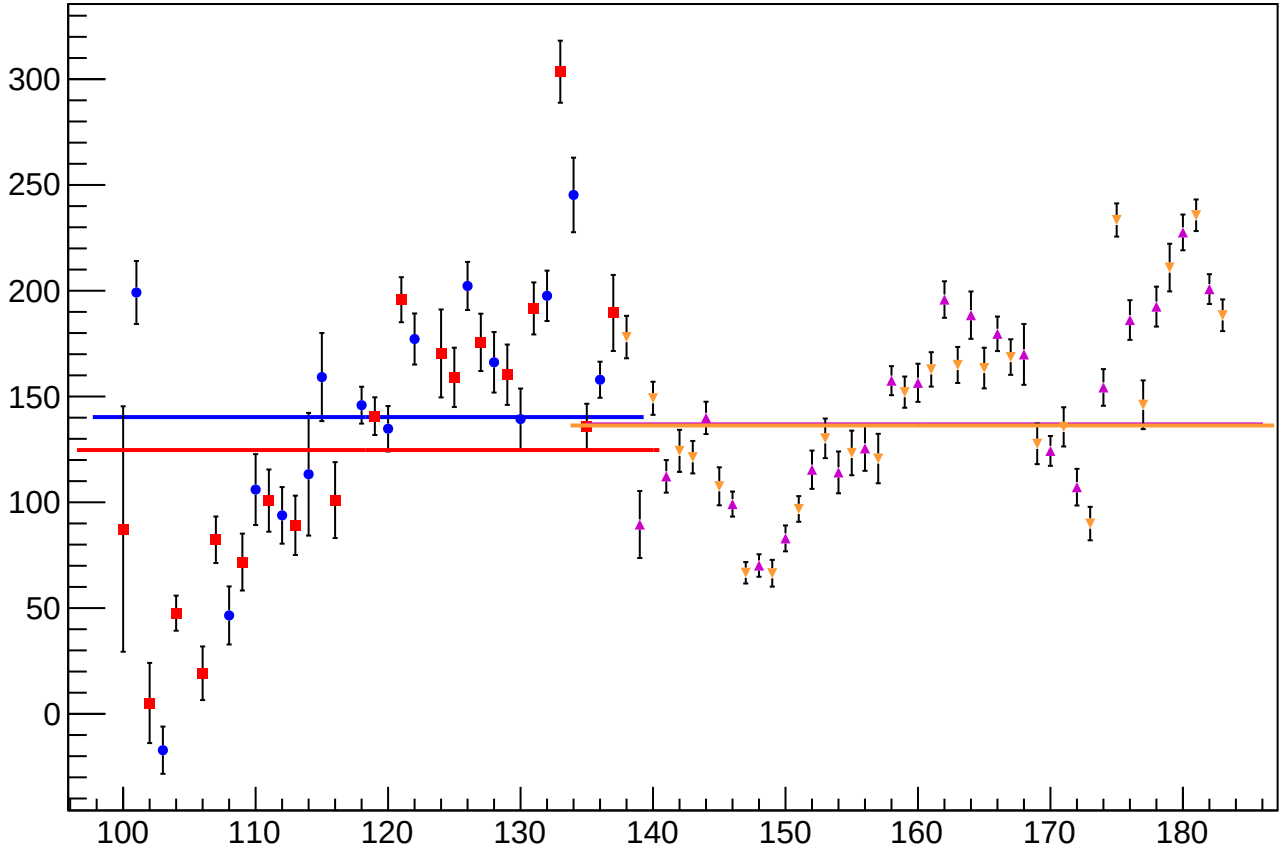
Left In: 514.029+/-2.010 χ^2/NDF:2058.2/21

+ sign 540.111+/-1.616 χ^2/NDF: 7356.1/39

All: 538.054+/-1.146 χ^2/NDF: 14561.0/80

- sign 535.977+/-1.624 χ^2/NDF: 7201.7/40

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 136.312+/-1.660 χ^2/NDF:900.8/23

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

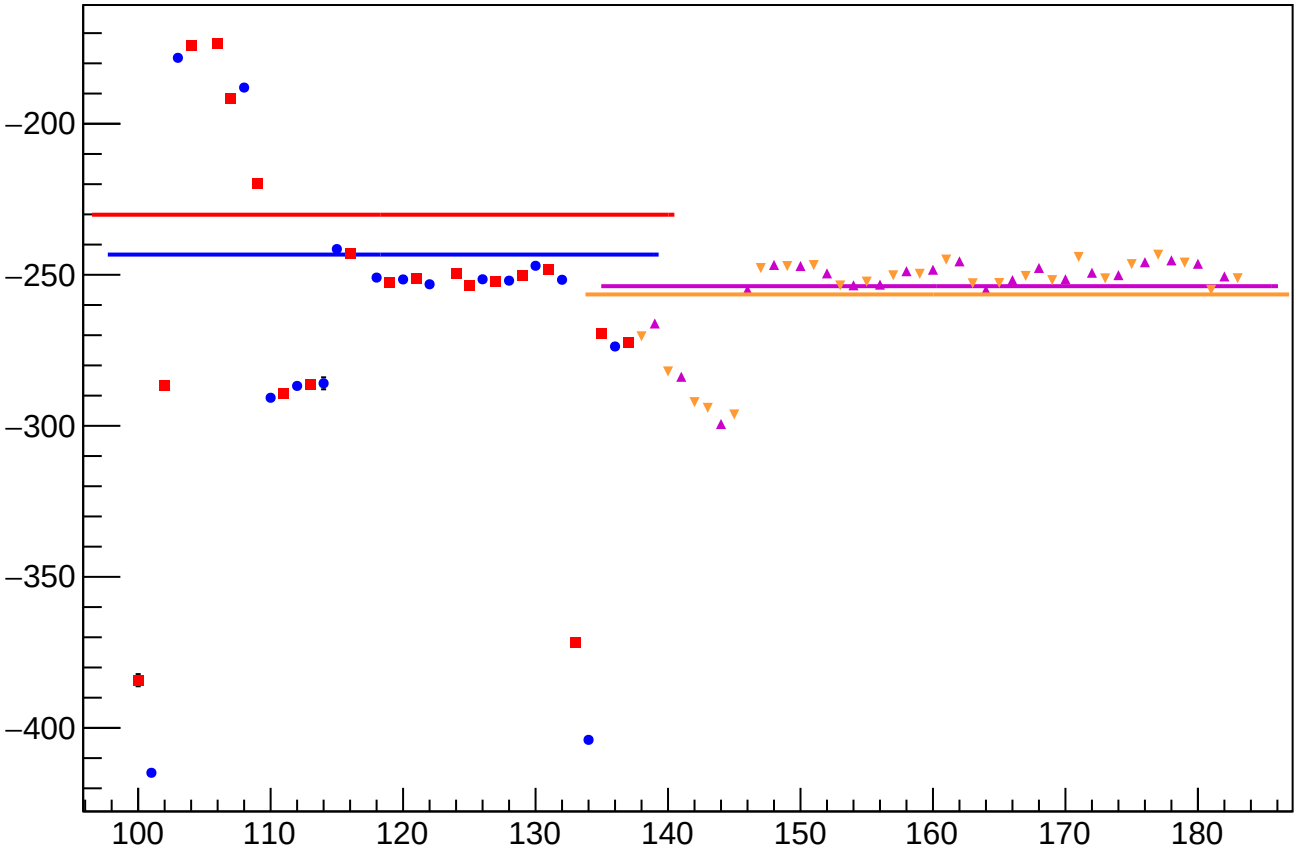
Left In: 136.812+/-1.719 χ^2/NDF:700.6/21

+ sign 137.174+/-1.469 χ^2/NDF: 1287.4/39

All: 135.502+/-1.046 χ^2/NDF: 2511.6/80

- sign 133.784+/-1.489 χ^2/NDF: 1221.6/40

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -256.502+/-0.078 χ^2/NDF:39293.2/23

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

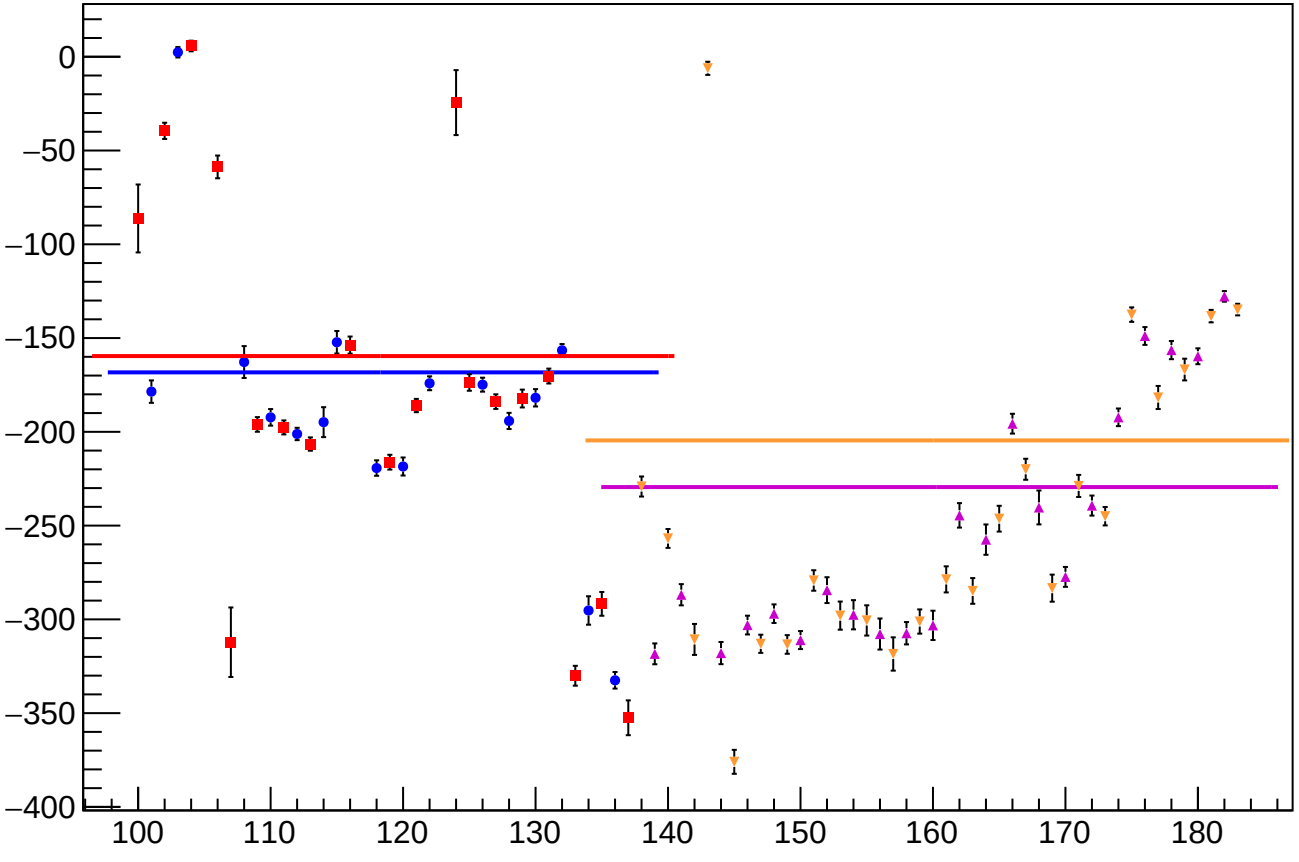
Left In: -253.771+/-0.079 χ^2/NDF:24061.2/21

\+ sign -254.045+/-0.070 χ^2/NDF: 218145.4/39

All: -251.550+/-0.050 χ^2/NDF: 365283.4/80

\- sign -249.036+/-0.070 χ^2/NDF: 144596.5/40

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -204.572+/-1.064 χ^2/NDF:7822.3/23

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

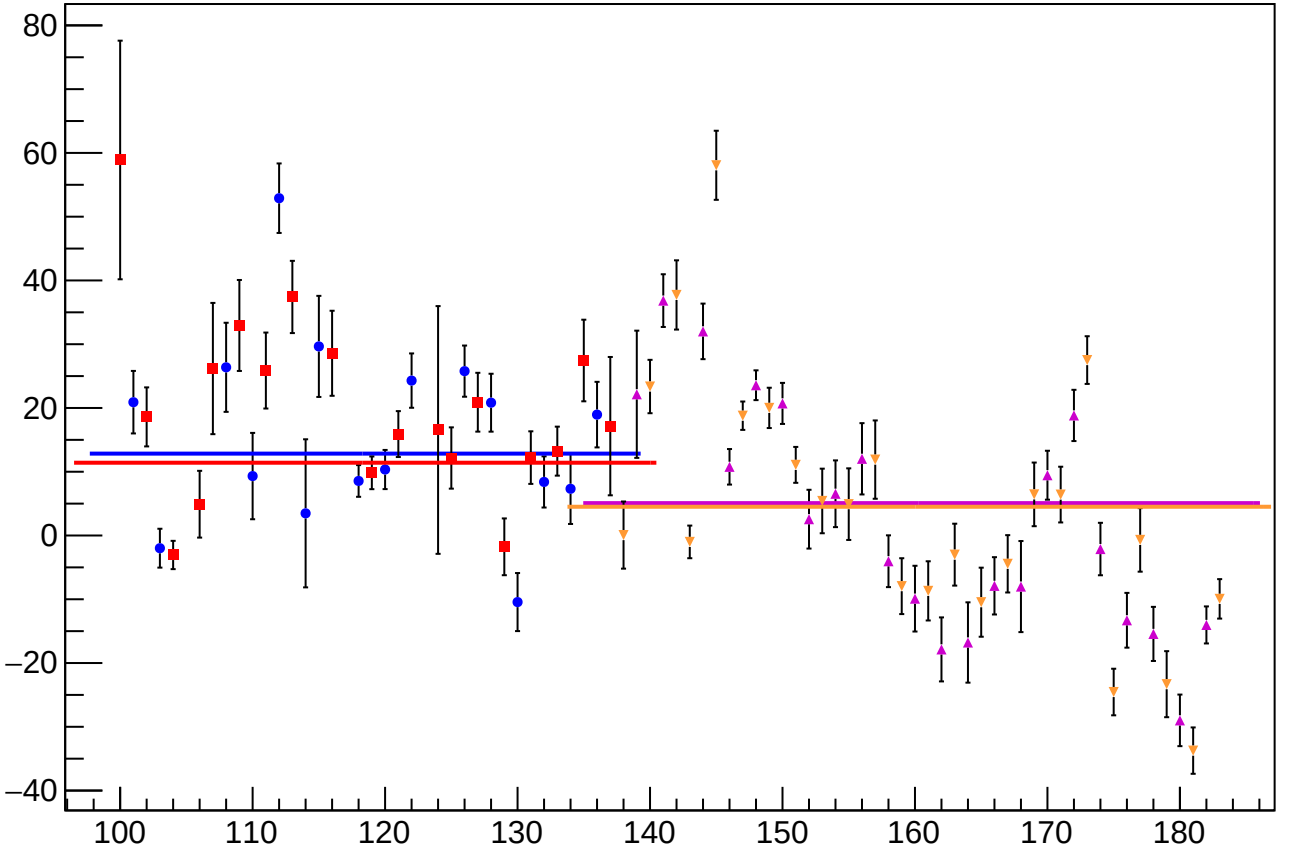
Left In: -229.457+/-1.130 χ^2/NDF:4048.8/21

+ sign -186.628+/-0.757 χ^2/NDF: 14304.8/39

All: -189.138+/-0.538 χ^2/NDF: 27638.3/80

- sign -191.712+/-0.766 χ^2/NDF: 13311.2/40

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 4.508+/-0.801 χ^2/NDF:527.0/23

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

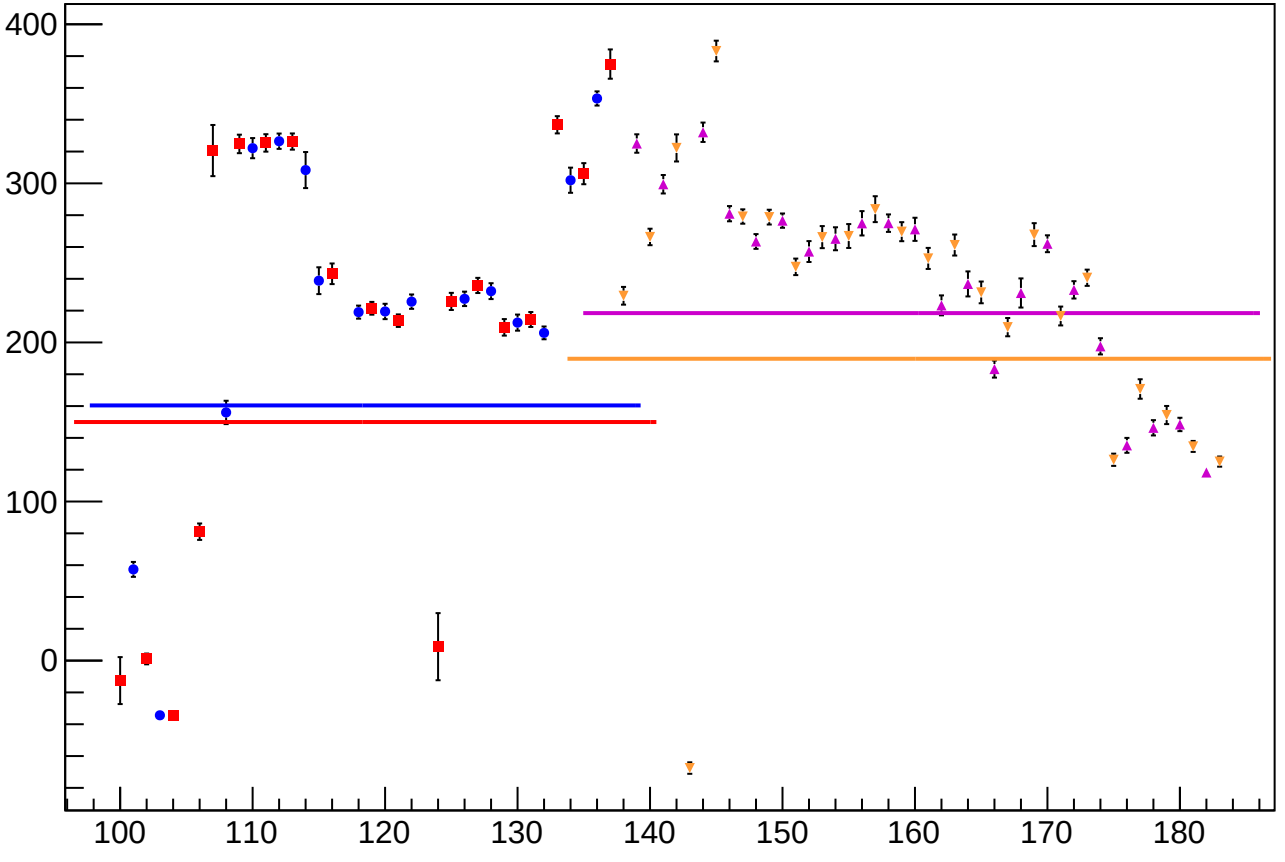
Left In: 5.078+/-0.859 χ^2/NDF:422.6/21

+ sign 7.476+/-0.642 χ^2/NDF: 709.2/39

All: 7.565+/-0.461 χ^2/NDF: 1273.6/80

- sign 7.660+/-0.661 χ^2/NDF: 564.3/40

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 189.743+/-1.061 χ^2/NDF:9374.5/23

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

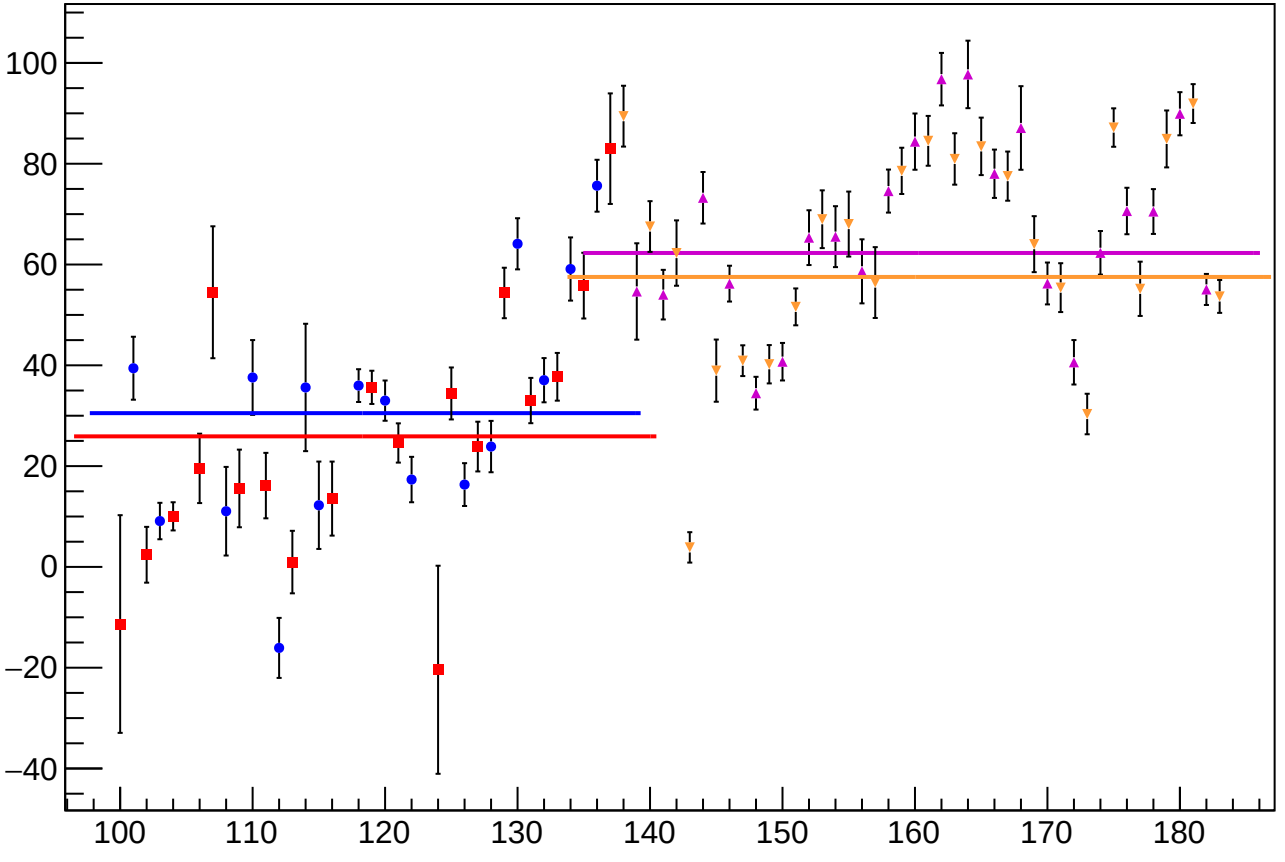
Left In: 218.440+/-1.121 χ^2/NDF:3733.7/21

+ sign 176.110+/-0.776 χ^2/NDF: 23679.4/39

All: 179.880+/-0.553 χ^2/NDF: 45614.5/80

- sign 183.760+/-0.788 χ^2/NDF: 21887.3/40

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 57.535+/-0.919 χ^2/NDF:739.4/23

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

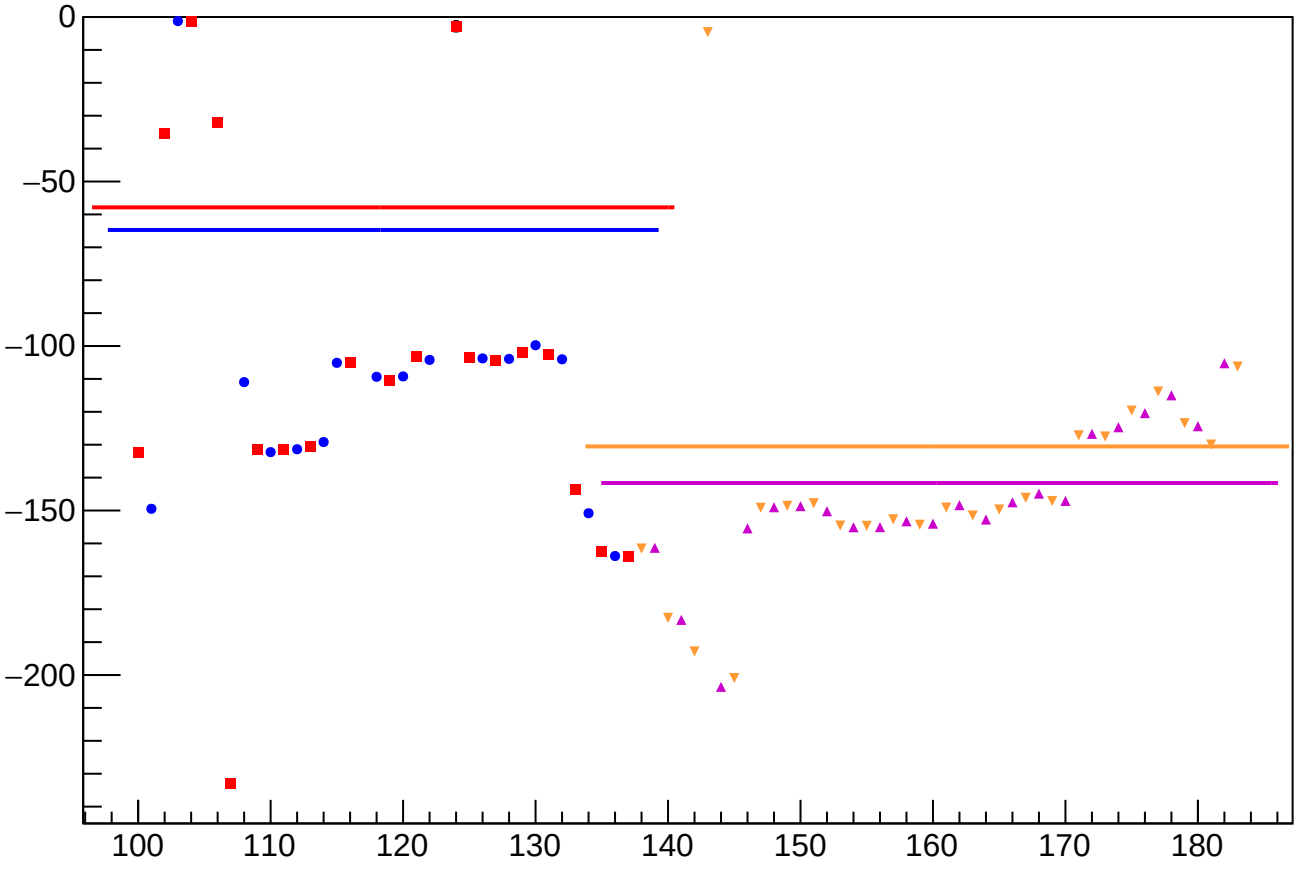
Left In: 62.293+/-0.977 χ^2/NDF:314.4/21

+ sign 48.103+/-0.741 χ^2/NDF: 1318.4/39

All: 48.037+/-0.531 χ^2/NDF: 2366.3/80

- sign 47.969+/-0.761 χ^2/NDF: 1047.8/40

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -130.523+/-0.043 χ^2/NDF:1015599.5/23

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

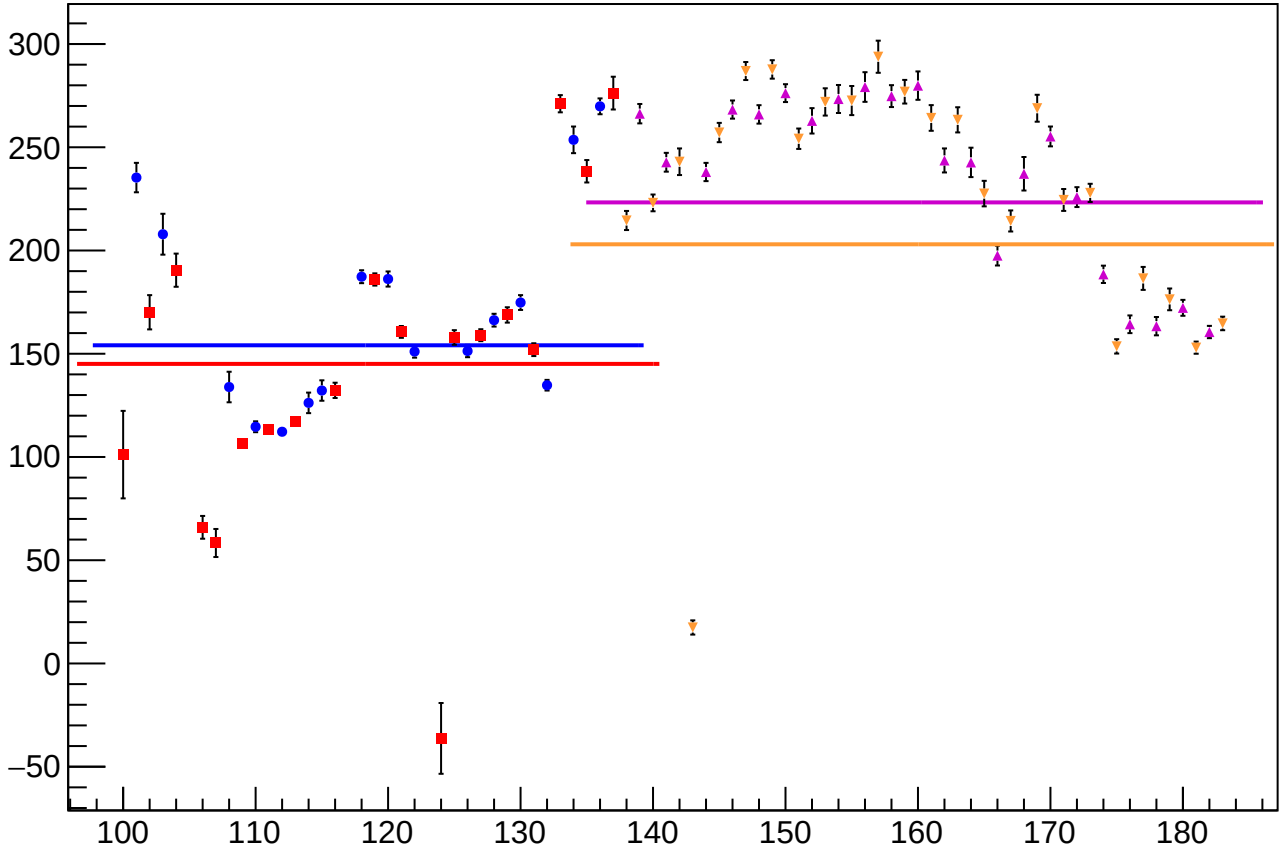
Left In: -141.634+/-0.044 χ^2/NDF:235729.5/21

\+ sign -110.105+/-0.036 χ^2/NDF: 2793751.4/39

All: -111.657+/-0.025 χ^2/NDF: 5111011.3/80

\- sign -113.265+/-0.036 χ^2/NDF: 2313375.5/40

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 203.006+/-0.961 χ^2/NDF:5478.8/23

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

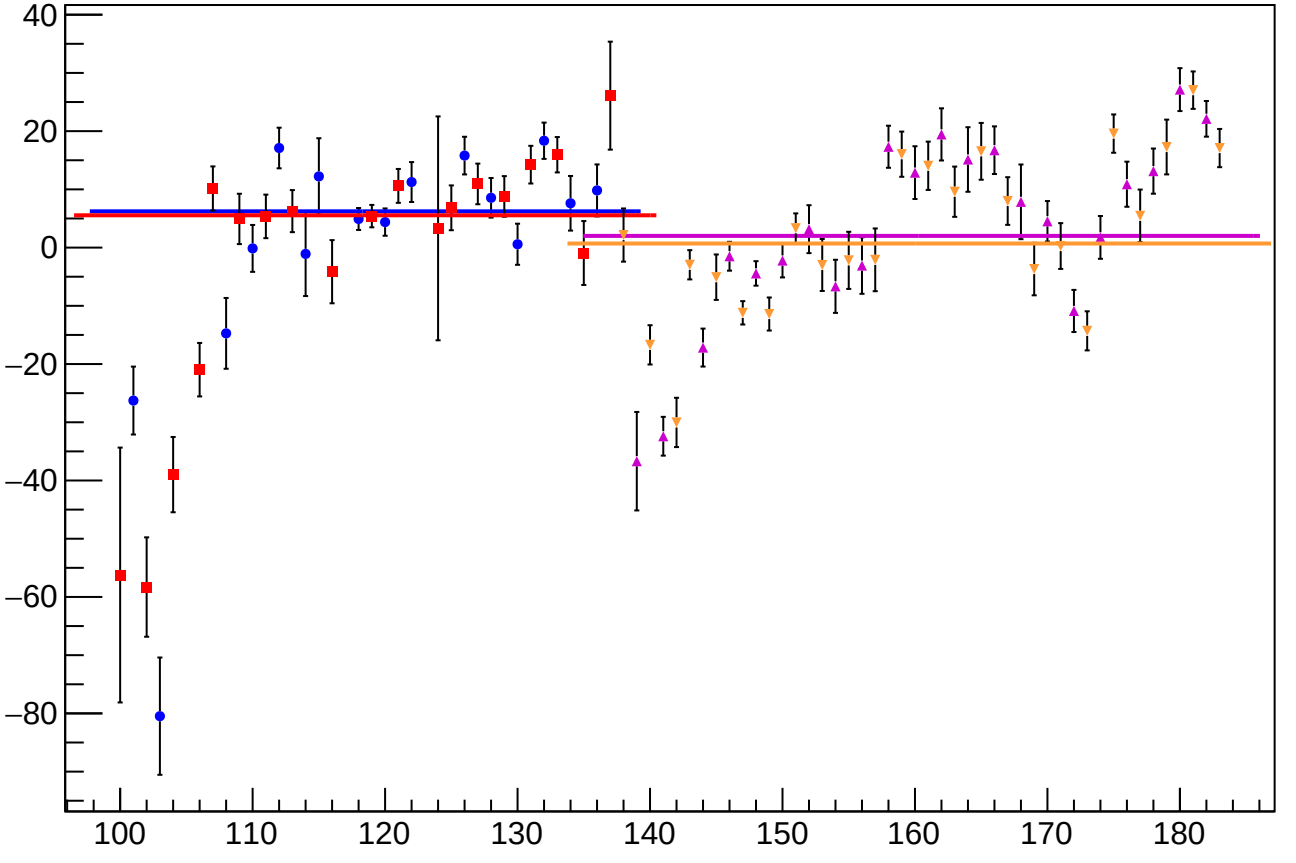
Left In: 223.296+/-1.020 χ^2/NDF:1932.9/21

\+ sign 176.097+/-0.645 χ^2/NDF: 9184.5/39

All: 176.075+/-0.455 χ^2/NDF: 17625.7/80

\- sign 176.052+/-0.642 χ^2/NDF: 8441.2/40

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: 0.702+/-0.720 χ^2/NDF:342.8/23

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

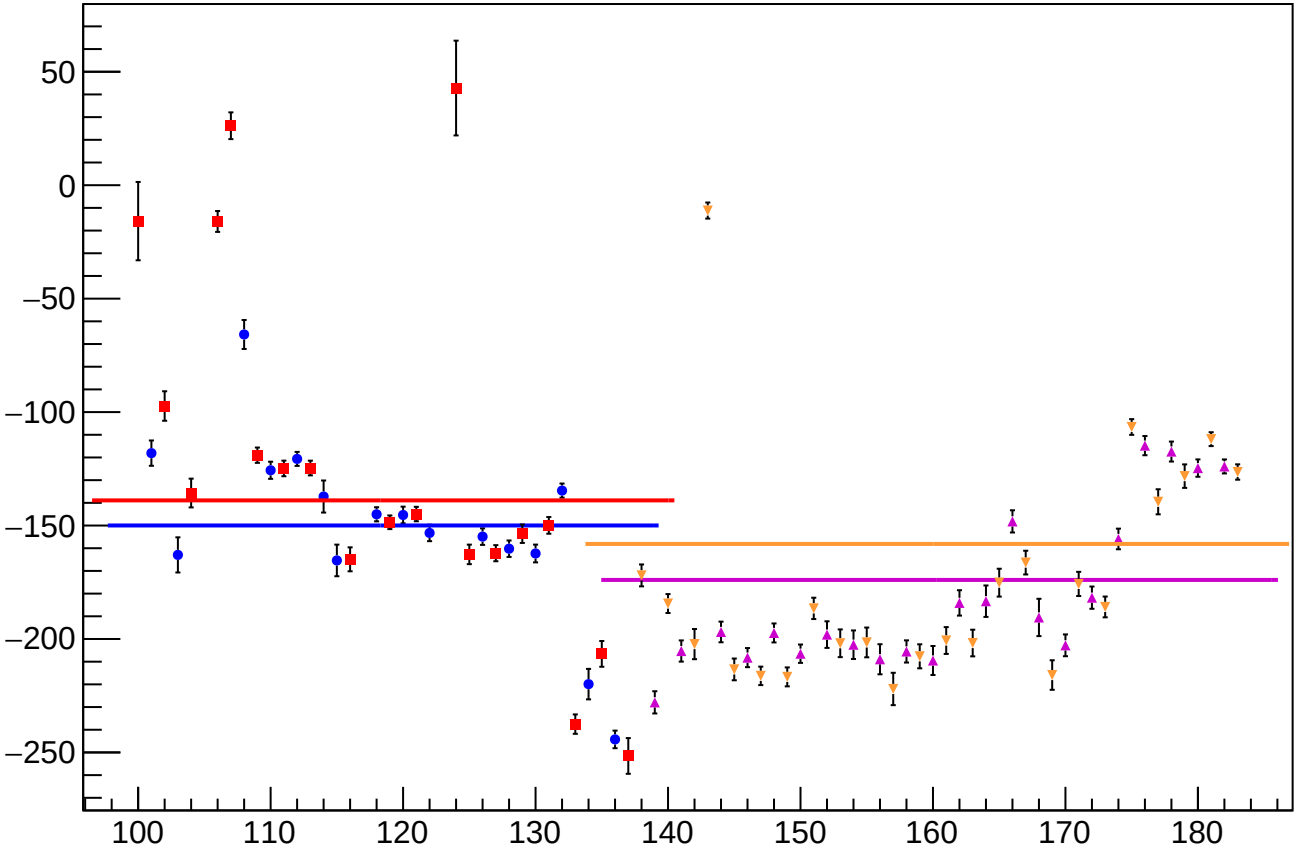
Left In: 2.011+/-0.768 χ^2/NDF:355.0/21

+ sign 2.890+/-0.560 χ^2/NDF: 528.2/39

All: 3.194+/-0.403 χ^2/NDF: 1074.0/80

- sign 3.523+/-0.581 χ^2/NDF: 545.2/40

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -158.109+/-0.958 χ^2/NDF:3470.9/23

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

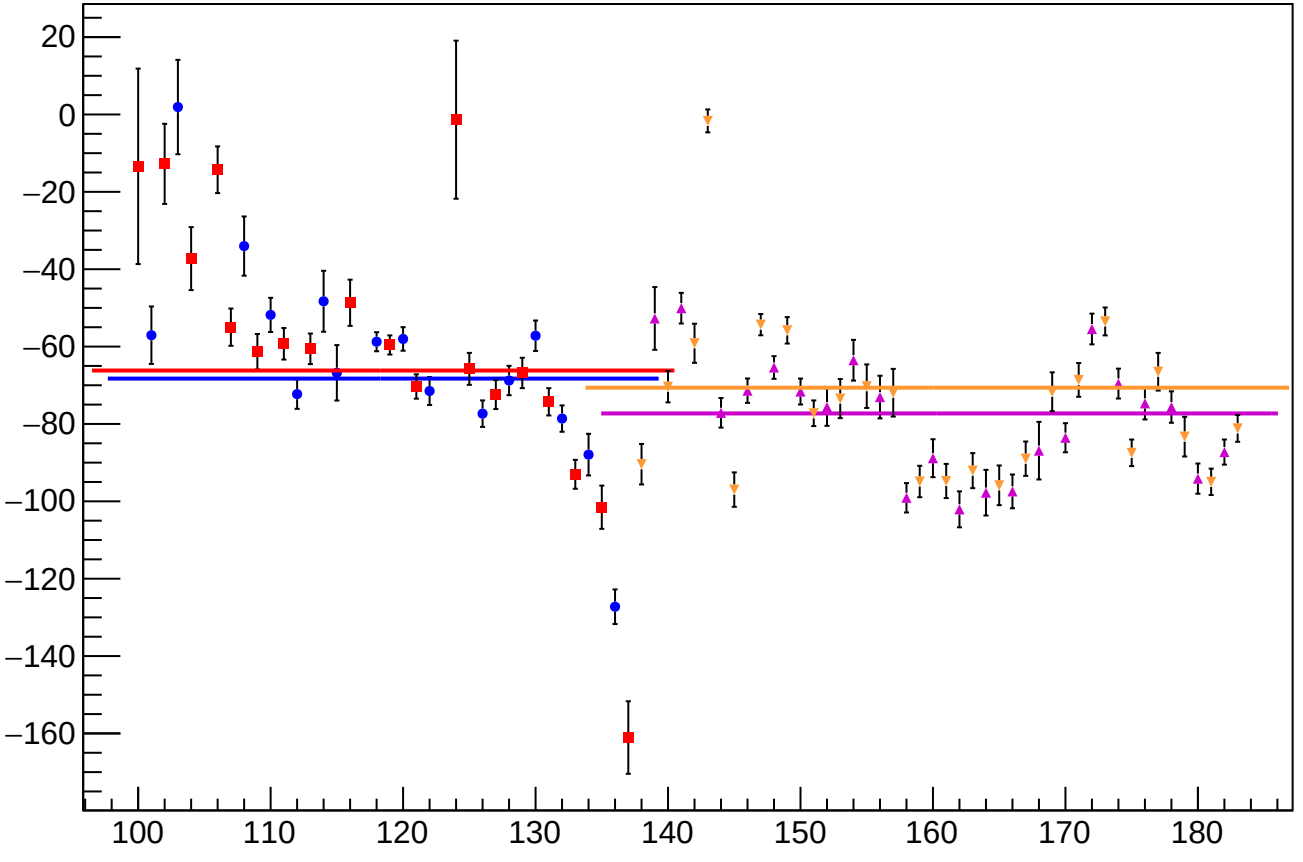
Left In: -173.968+/-1.011 χ^2/NDF:1372.9/21

\+ sign -154.317+/-0.700 χ^2/NDF: 4604.0/39

All: -155.211+/-0.498 χ^2/NDF: 9342.6/80

\- sign -156.127+/-0.709 χ^2/NDF: 4735.3/40

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -70.627+/-0.828 χ^2/NDF:897.8/23

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

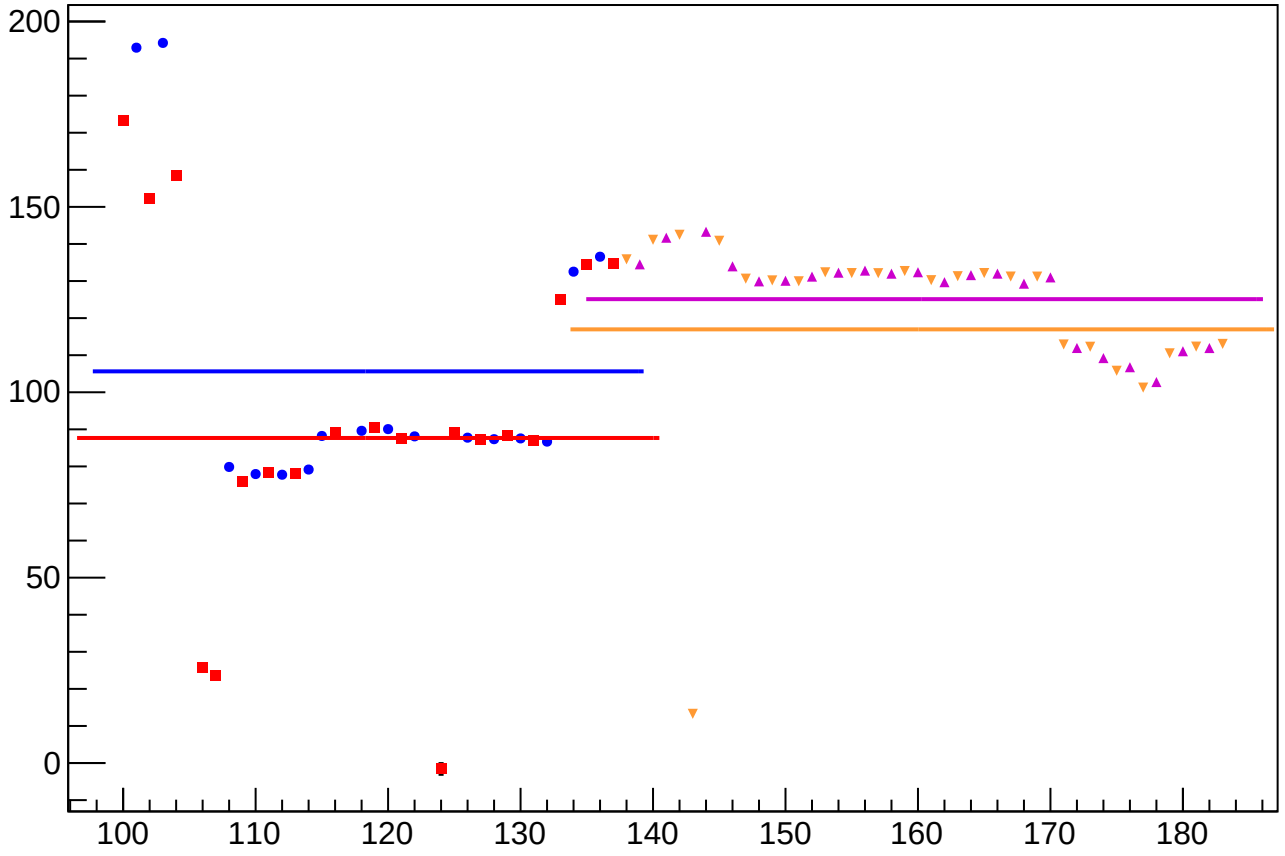
Left In: -77.282+/-0.877 χ^2/NDF:254.3/21

+ sign -69.707+/-0.646 χ^2/NDF: 1216.4/39

All: -71.104+/-0.464 χ^2/NDF: 1906.5/80

- sign -72.589+/-0.666 χ^2/NDF: 680.4/40

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 116.966+/-0.039 χ^2/NDF:622886.5/23

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

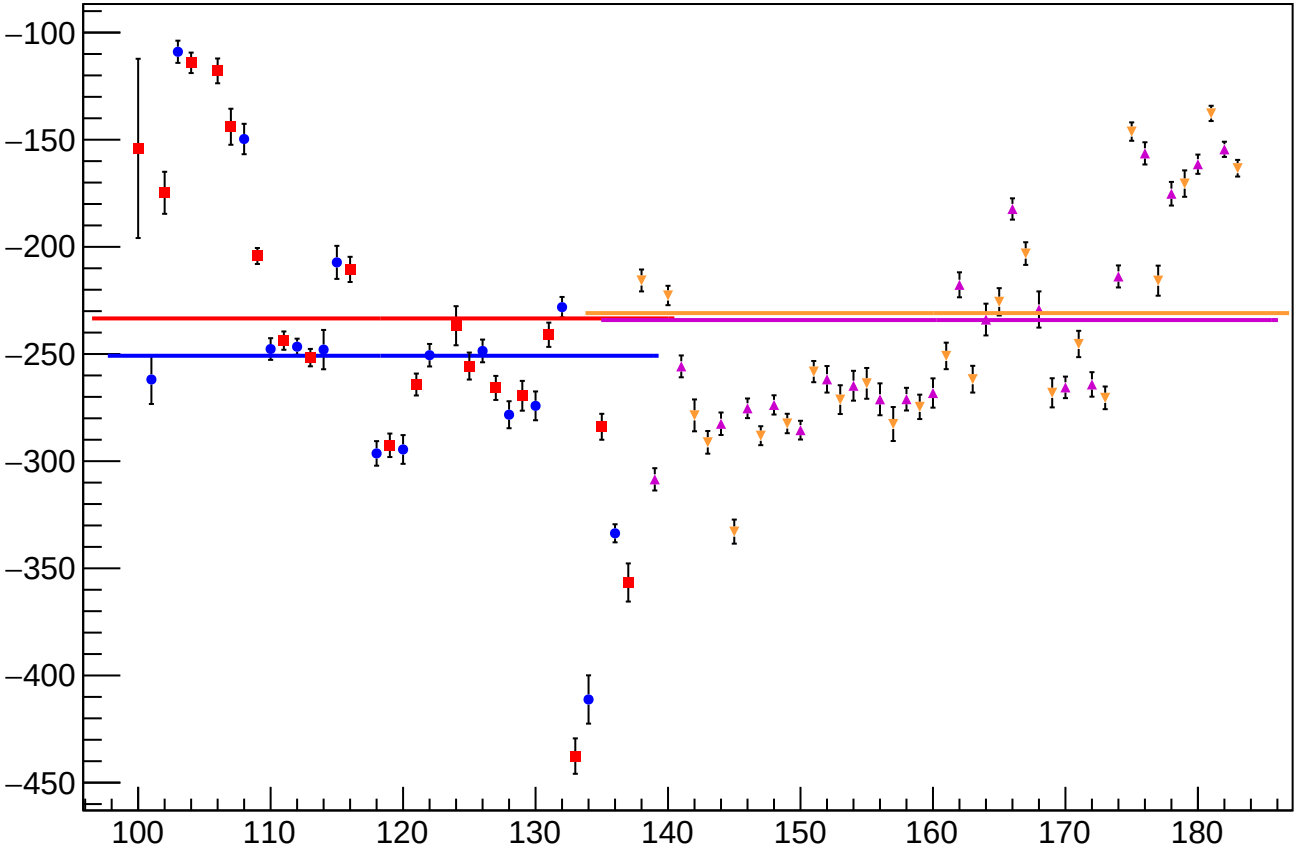
Left In: 125.114+/-0.040 χ^2/NDF:86080.9/21

\+ sign 114.381+/-0.034 χ^2/NDF: 882233.2/39

All: 114.699+/-0.024 χ^2/NDF: 1580690.4/80

\- sign 115.021+/-0.034 χ^2/NDF: 698279.5/40

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -230.907+/-1.089 χ^2/NDF:2628.8/23

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

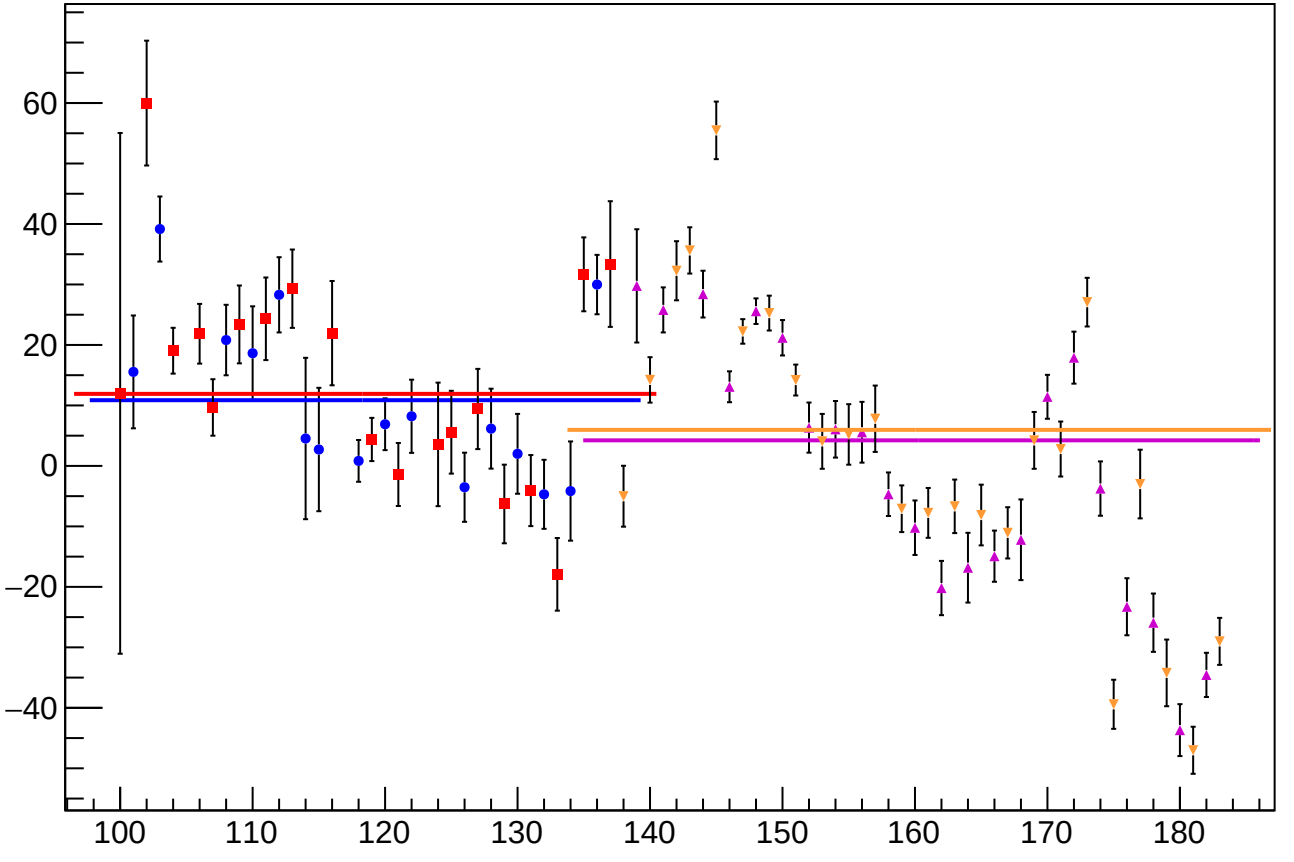
Left In: -234.159+/-1.124 χ^2/NDF:2044.2/21

+ sign -238.158+/-0.868 χ^2/NDF: 4486.3/39

All: -235.978+/-0.611 χ^2/NDF: 8921.7/80

- sign -233.842+/-0.859 χ^2/NDF: 4422.9/40

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 5.960+/-0.794 χ^2/NDF:856.7/23

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

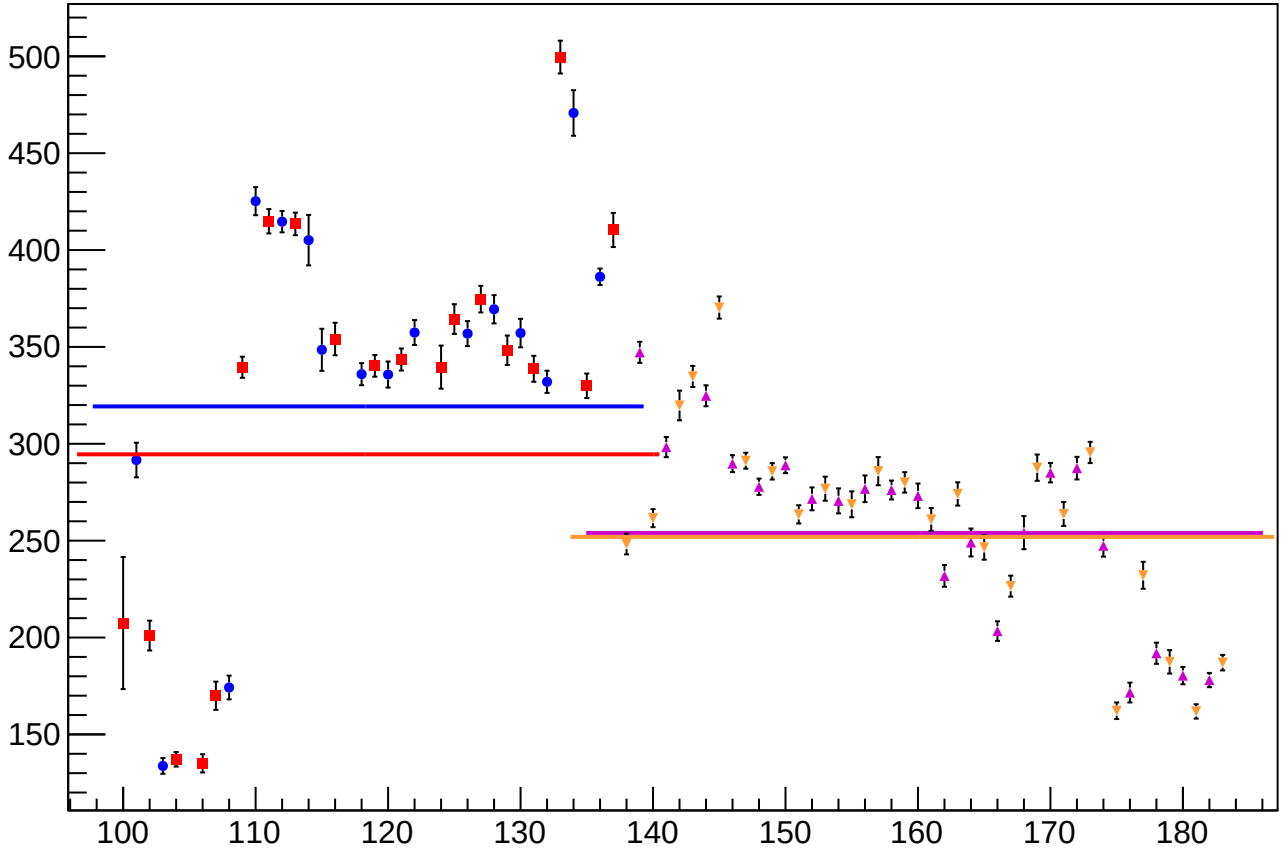
Left In: 4.226+/-0.825 χ^2/NDF:641.5/21

\+ sign 7.066+/-0.698 χ^2/NDF: 949.9/39

All: 6.677+/-0.497 χ^2/NDF: 1727.1/80

\- sign 6.278+/-0.707 χ^2/NDF: 776.5/40

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 251.943+/-1.078 χ^2/NDF:2525.3/23

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

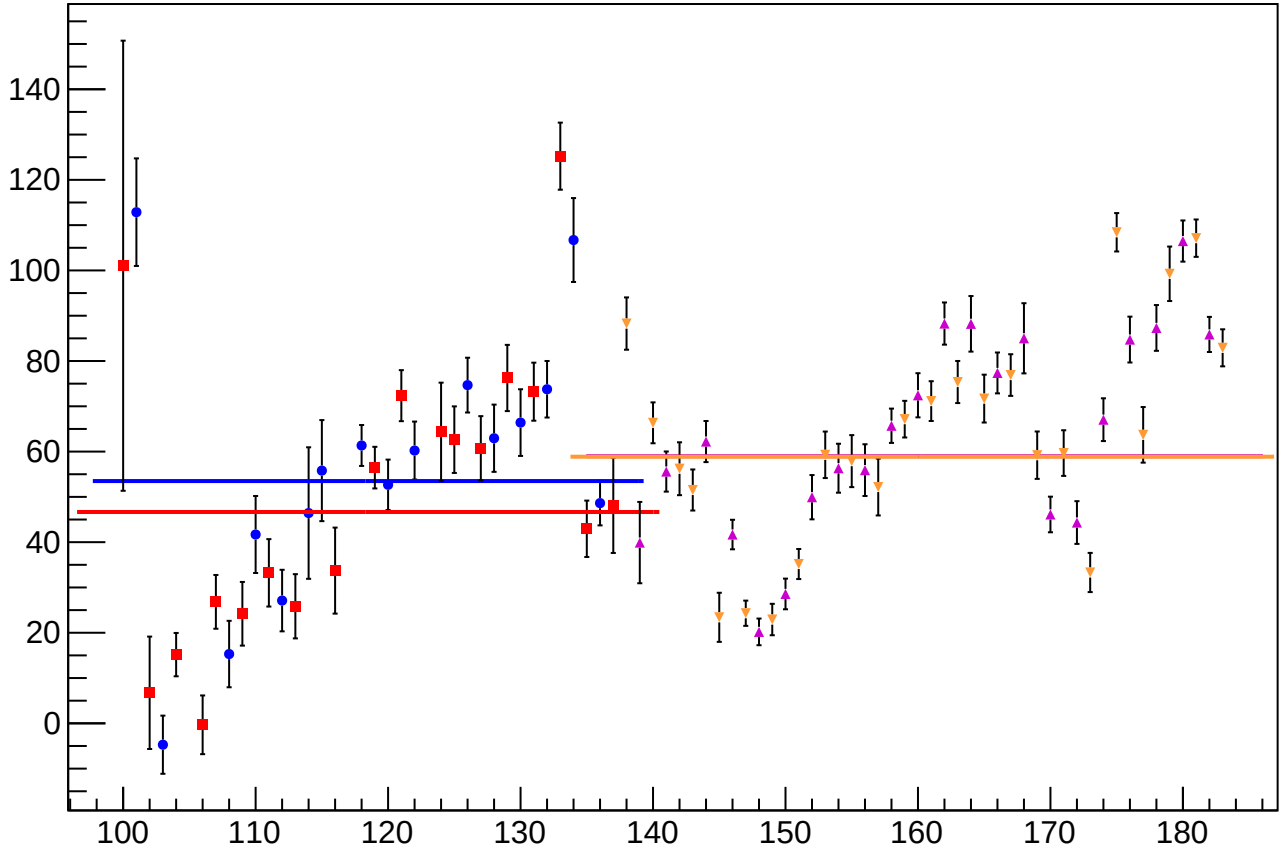
Left In: 254.000+/-1.108 χ^2/NDF:2041.8/21

\+ sign 273.228+/-0.892 χ^2/NDF: 7551.5/39

All: 270.877+/-0.629 χ^2/NDF: 15591.3/80

\- sign 268.549+/-0.887 χ^2/NDF: 8025.9/40

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 58.871+/-0.918 χ^2/NDF:822.2/23

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

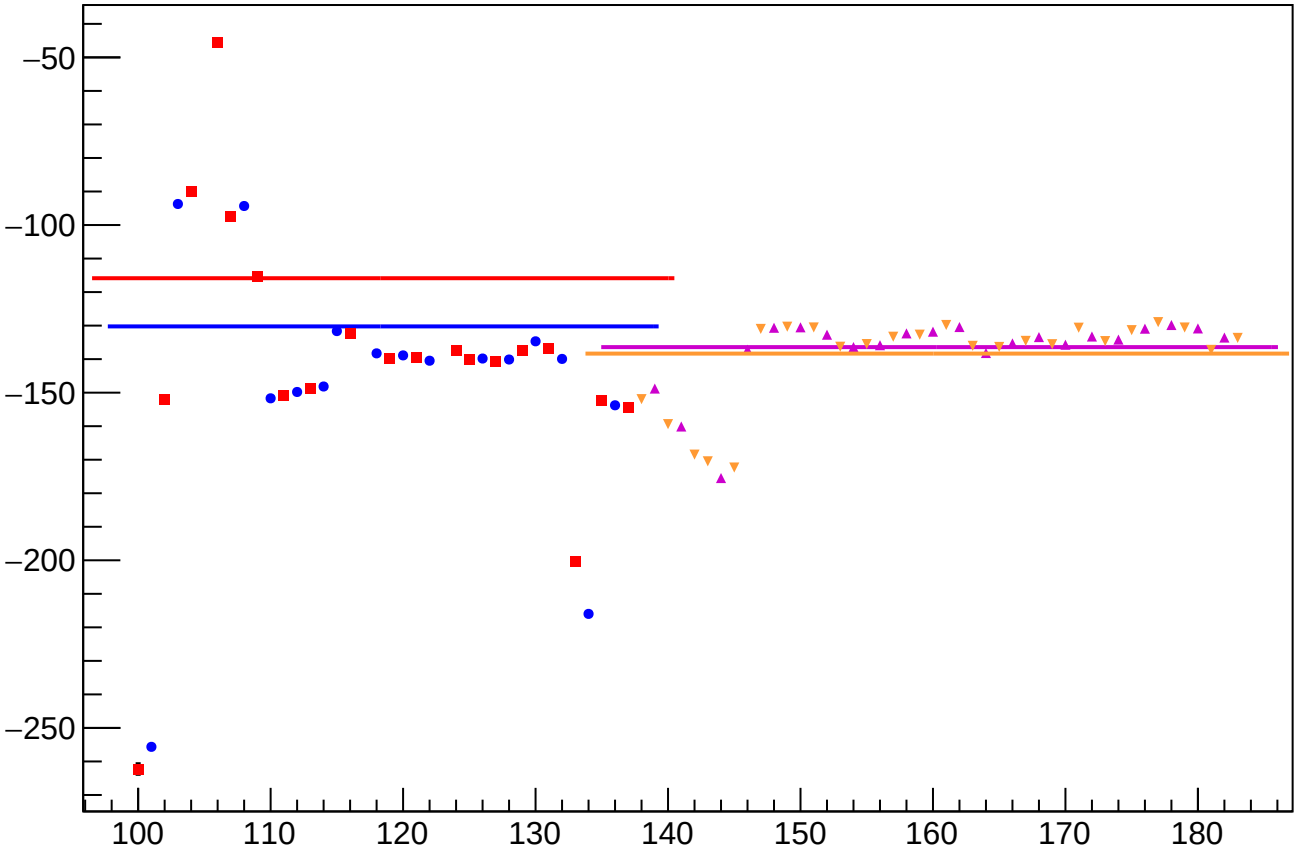
Left In: 58.981+/-0.948 χ^2/NDF:630.8/21

\+ sign 57.656+/-0.807 χ^2/NDF: 1047.2/39

All: 56.718+/-0.573 χ^2/NDF: 2050.5/80

\- sign 55.762+/-0.815 χ^2/NDF: 1000.5/40

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -138.349+/-0.043 χ^2/NDF:81339.6/23

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

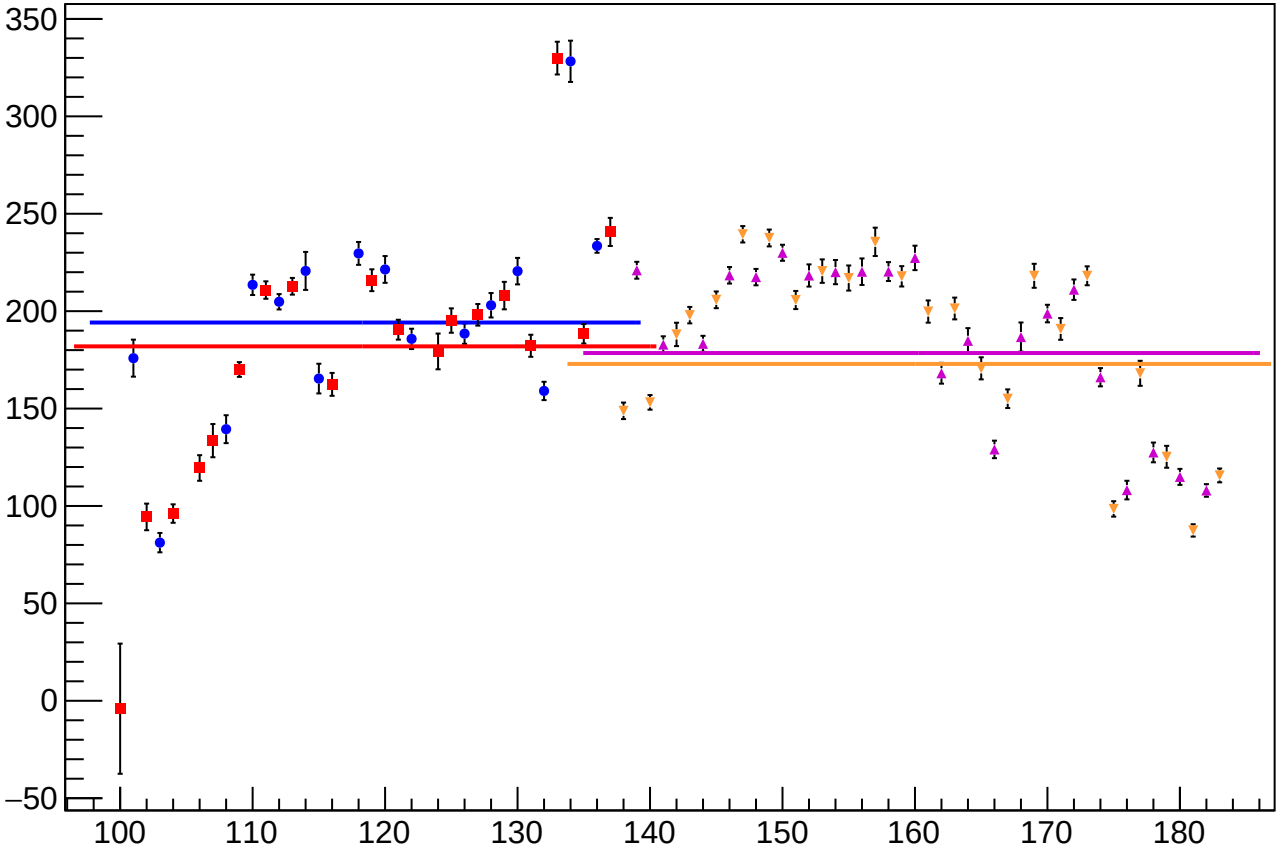
Left In: -136.415+/-0.043 χ^2/NDF:49788.1/21

+ sign -136.875+/-0.039 χ^2/NDF: 262040.5/39

All: -134.545+/-0.027 χ^2/NDF: 570683.7/80

- sign -132.232+/-0.039 χ^2/NDF: 301462.7/40

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 172.913+/-0.969 χ^2/NDF:2563.2/23

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

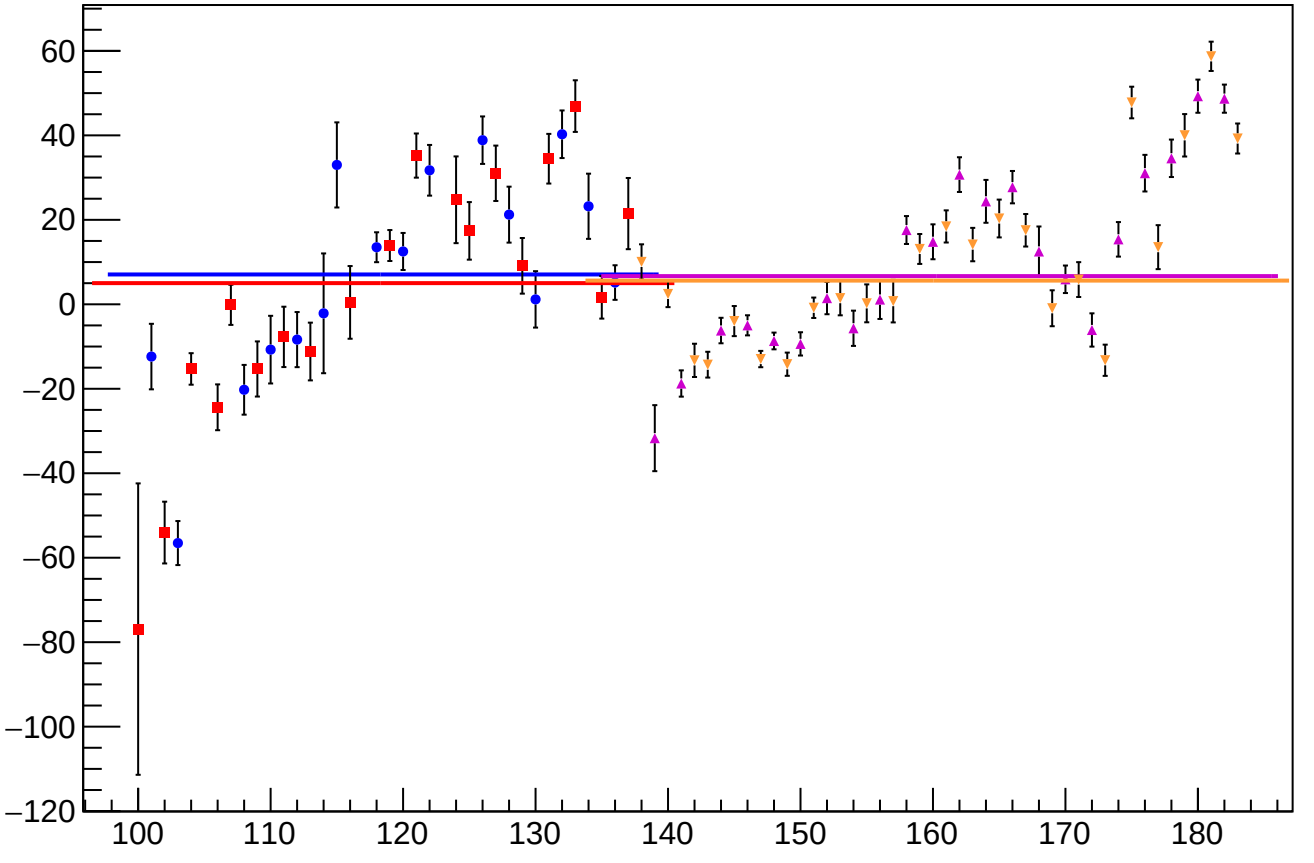
Left In: 178.508+/-1.010 χ^2/NDF:1920.7/21

+ sign 179.755+/-0.798 χ^2/NDF: 3753.1/39

All: 179.762+/-0.566 χ^2/NDF: 6882.9/80

- sign 179.768+/-0.803 χ^2/NDF: 3129.8/40

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 5.614+/-0.714 χ^2/NDF:799.0/23

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

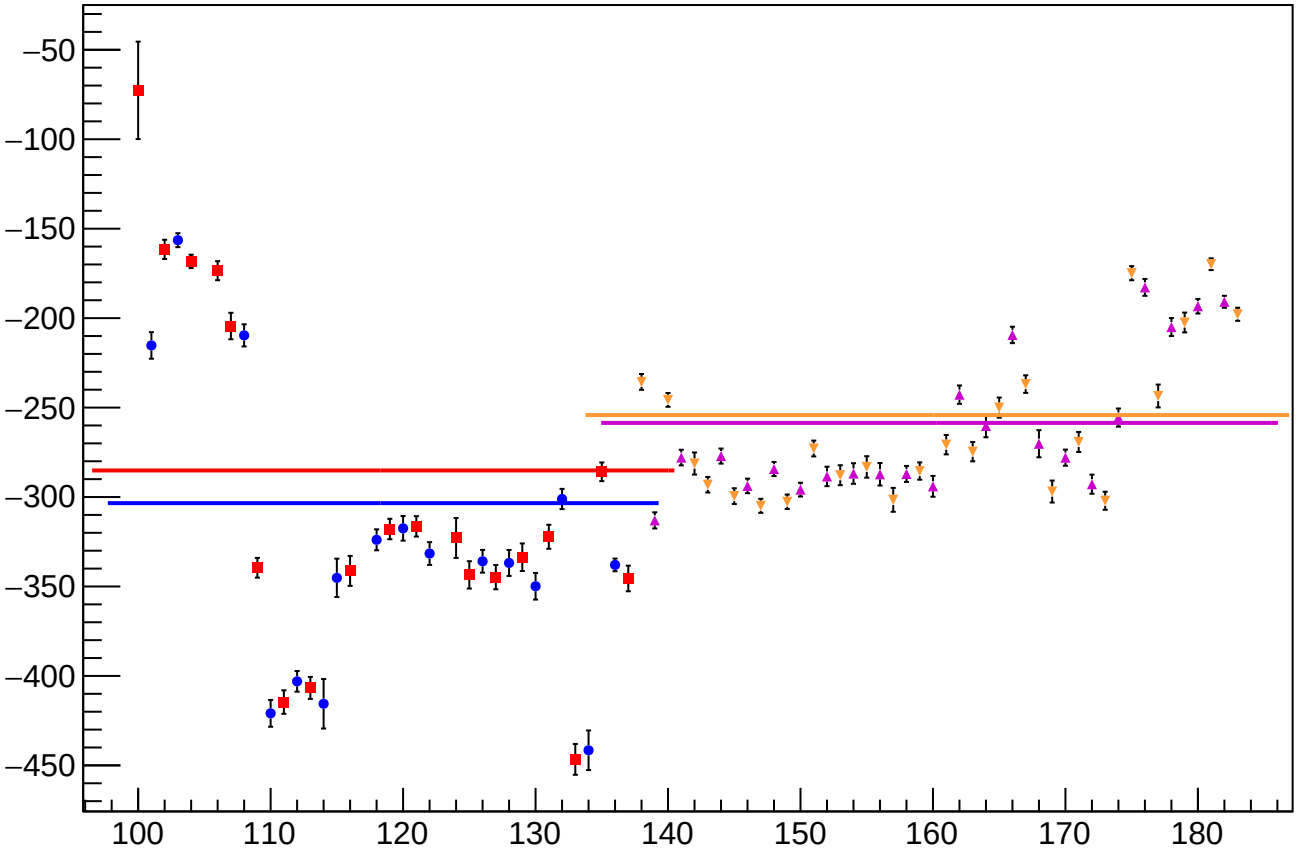
Left In: 6.676+/-0.748 χ^2/NDF:694.4/21

+ sign 5.900+/-0.640 χ^2/NDF: 1092.4/39

All: 6.090+/-0.458 χ^2/NDF: 2076.7/80

- sign 6.288+/-0.655 χ^2/NDF: 984.1/40

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -254.187+/-0.963 χ^2/NDF:2276.1/23

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

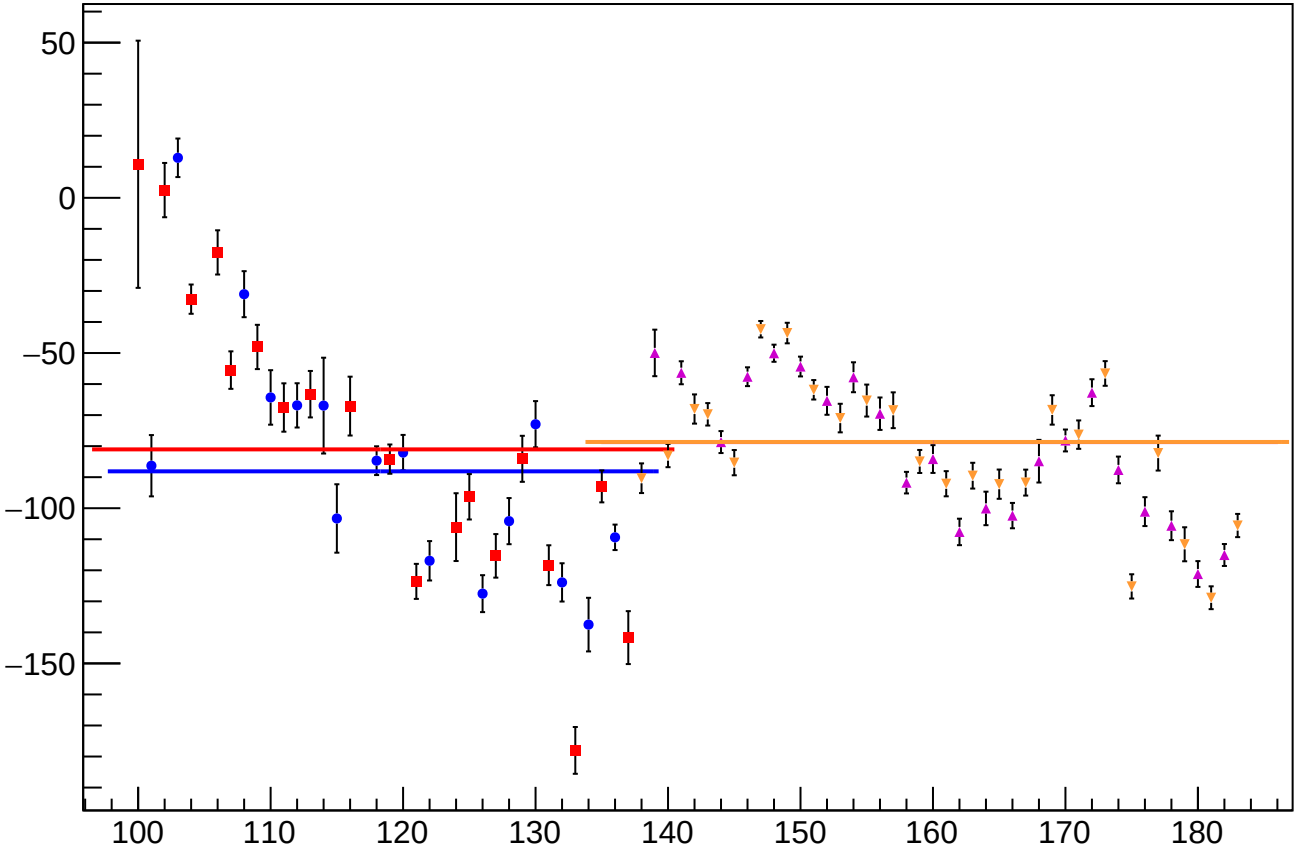
Left In: -258.561+/-0.998 χ^2/NDF:1772.3/21

+ sign -268.152+/-0.815 χ^2/NDF: 5802.9/39

All: -267.630+/-0.579 χ^2/NDF: 11558.8/80

- sign -267.099+/-0.822 χ^2/NDF: 5755.1/40

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -78.656+/-0.824 χ^2/NDF:853.4/23

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

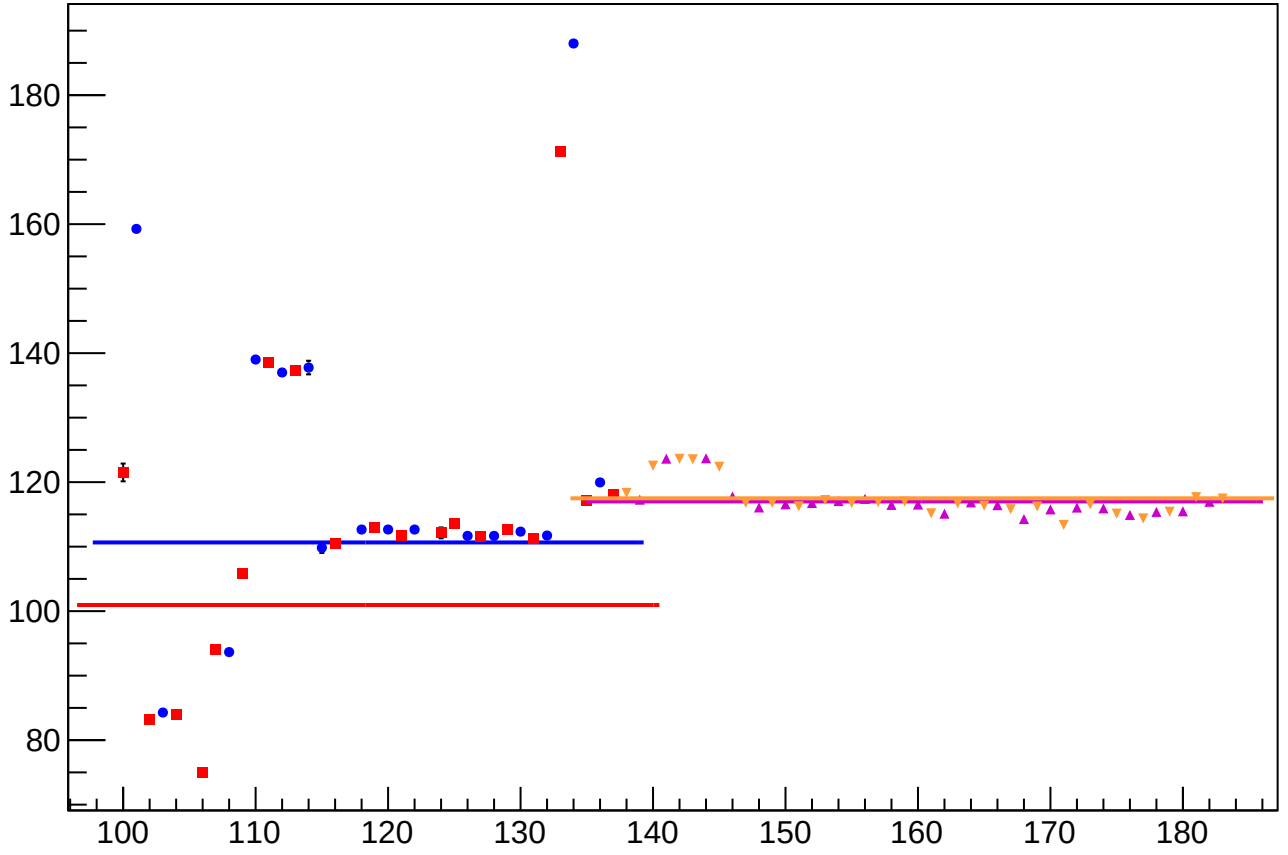
Left In: -78.688+/-0.857 χ^2/NDF:693.0/21

+ sign -80.536+/-0.738 χ^2/NDF: 1391.5/39

All: -79.896+/-0.527 χ^2/NDF: 2765.3/80

- sign -79.230+/-0.752 χ^2/NDF: 1372.2/40

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.494+/-0.038 χ^2/NDF:4729.2/23

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

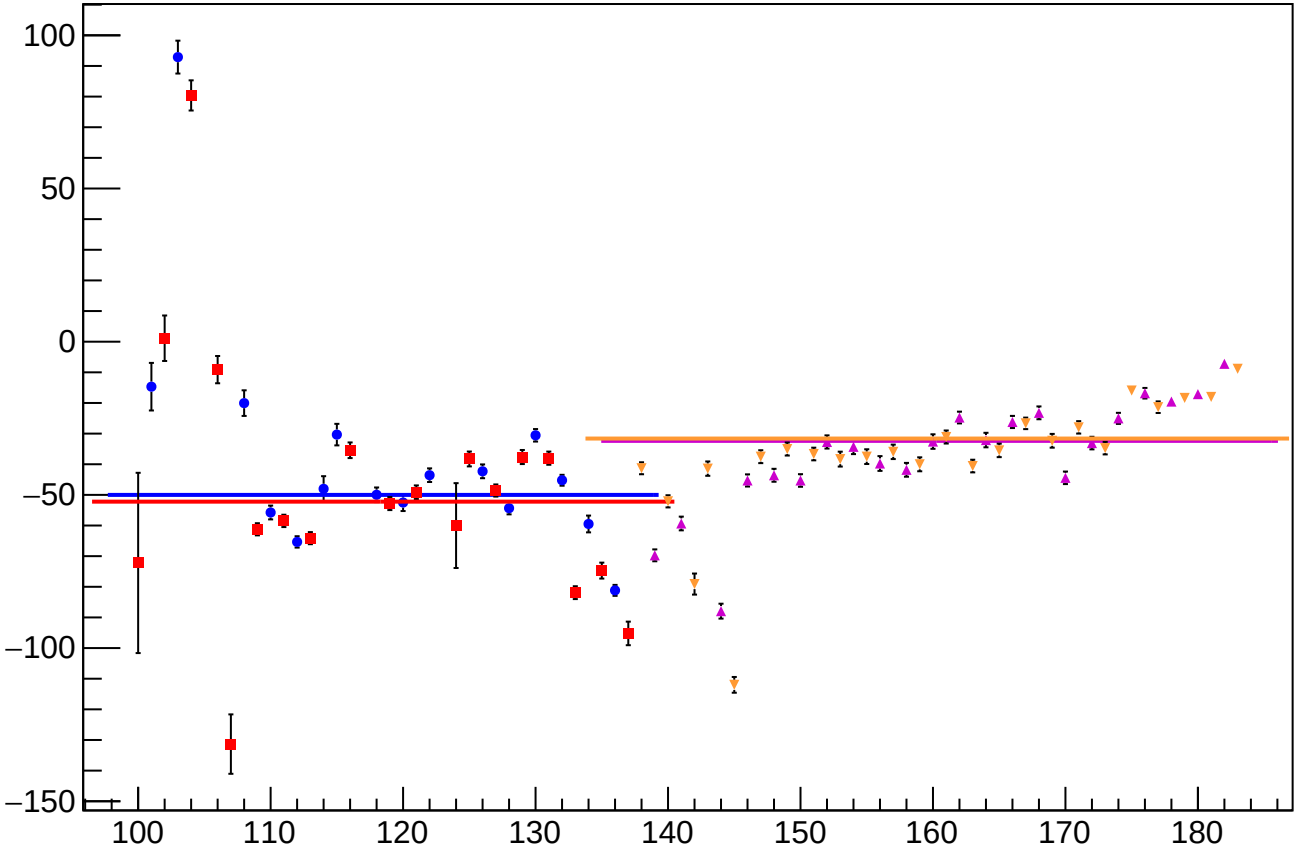
Left In: 117.006+/-0.039 χ^2/NDF:3296.3/21

+ sign 116.354+/-0.035 χ^2/NDF: 93549.5/39

All: 115.170+/-0.025 χ^2/NDF: 193048.4/80

- sign 113.977+/-0.035 χ^2/NDF: 97205.8/40

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -31.613+/-0.402 χ^2/NDF:1982.5/23

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

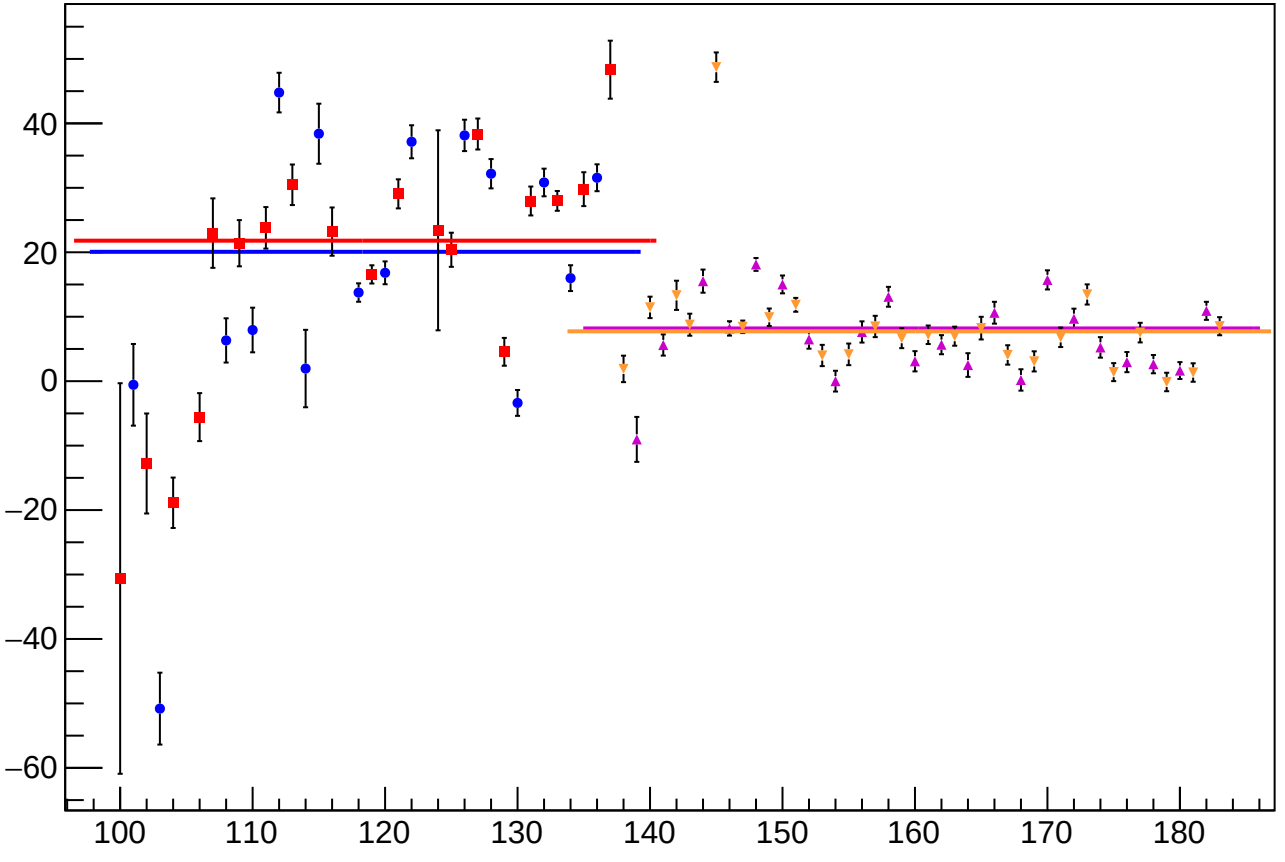
Left In: -32.369+/-0.415 χ^2/NDF:1886.8/21

+ sign -37.186+/-0.336 χ^2/NDF: 3943.8/39

All: -37.936+/-0.240 χ^2/NDF: 8142.3/80

- sign -38.714+/-0.342 χ^2/NDF: 4188.4/40

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 7.735+/-0.306 χ^2/NDF:469.0/23

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

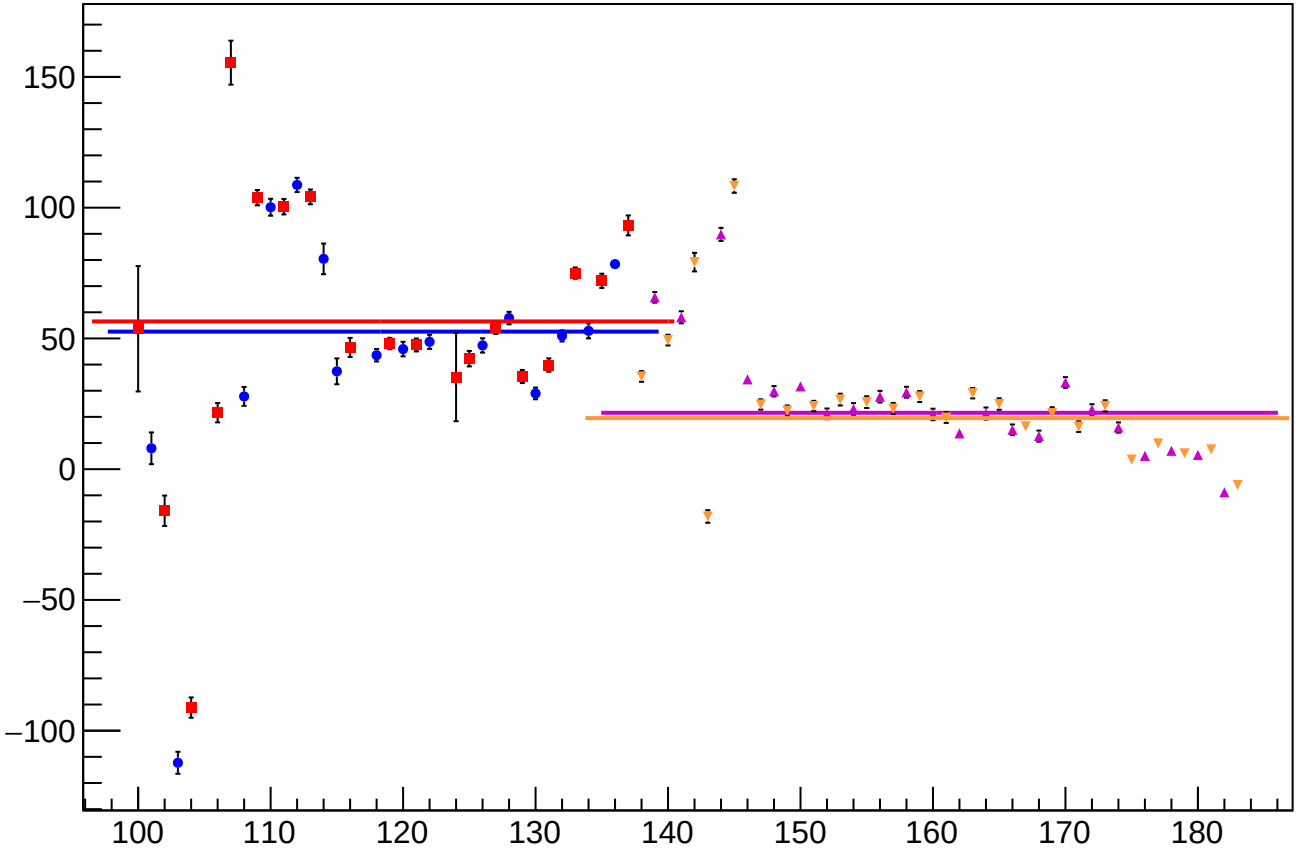
Left In: 8.182+/-0.318 χ^2/NDF:337.8/21

\+ sign 10.201+/-0.274 χ^2/NDF: 1430.4/39

All: 10.591+/-0.197 χ^2/NDF: 2548.6/80

\- sign 11.008+/-0.283 χ^2/NDF: 1114.0/40

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 19.521+/-0.399 χ^2/NDF:2668.5/23

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

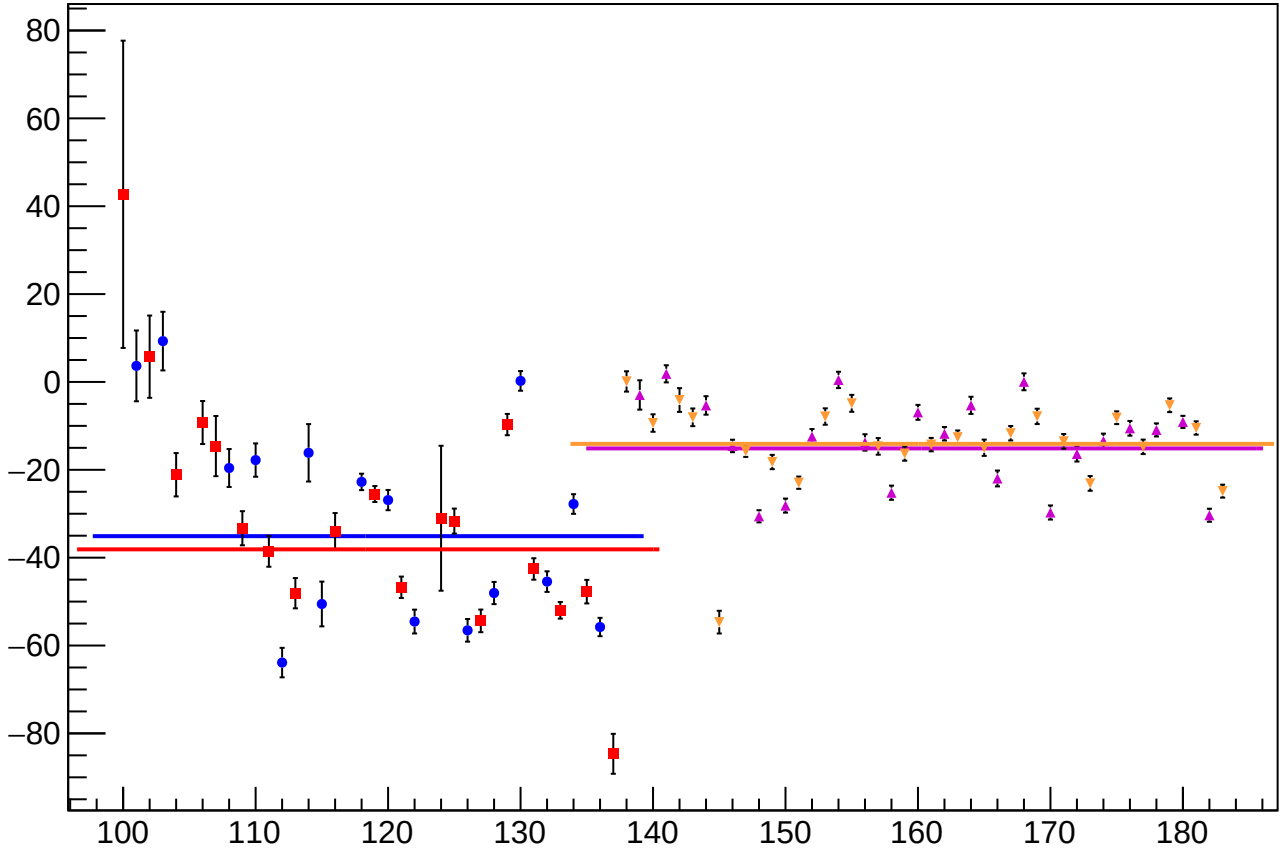
Left In: 21.562+/-0.410 χ^2/NDF:2459.6/21

\+ sign 27.685+/-0.346 χ^2/NDF: 7028.2/39

All: 29.001+/-0.248 χ^2/NDF: 14316.5/80

\- sign 30.382+/-0.354 χ^2/NDF: 7258.6/40

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.100+/-0.346 χ^2/NDF:549.0/23

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

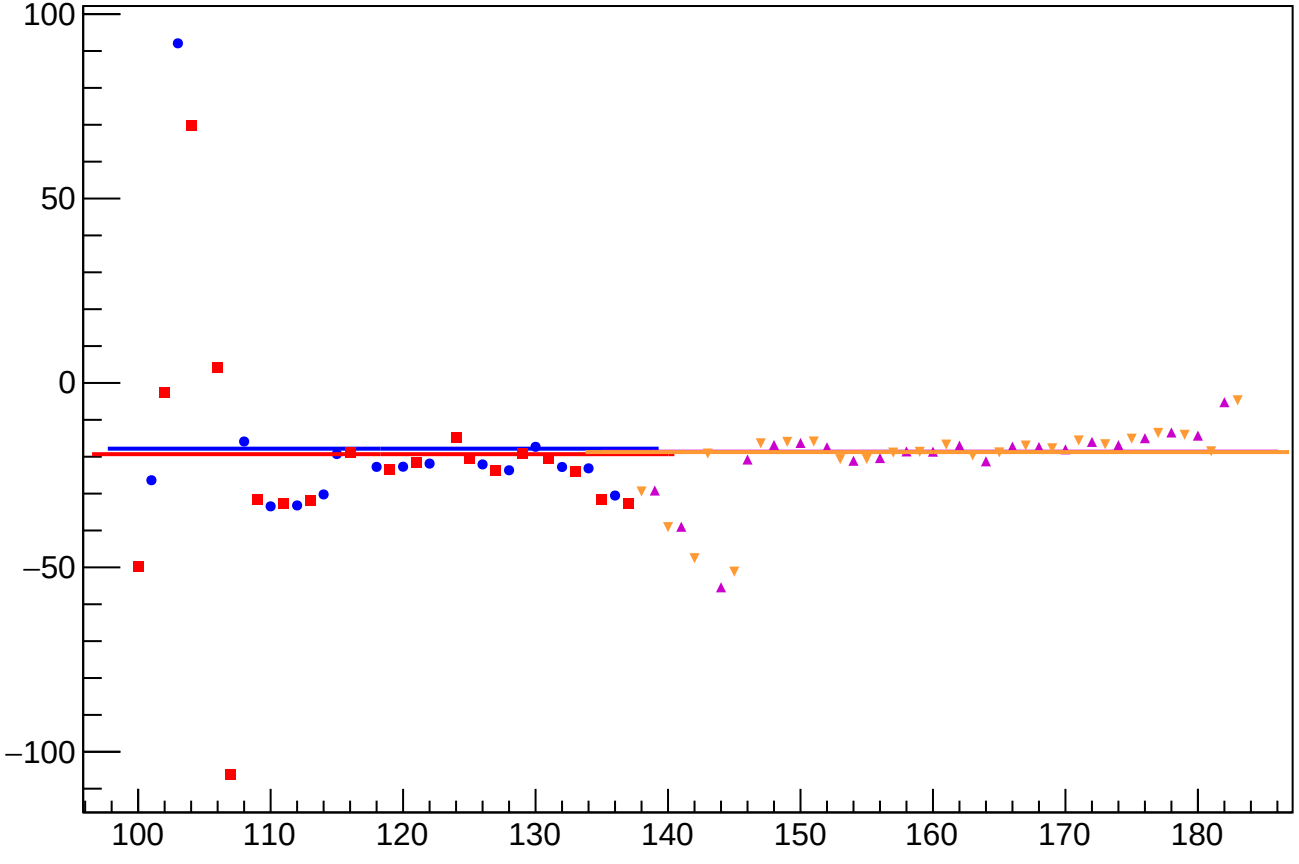
Left In: -15.129+/-0.359 χ^2/NDF:766.6/21

+ sign -18.233+/-0.311 χ^2/NDF: 2045.2/39

All: -18.975+/-0.223 χ^2/NDF: 4165.4/80

- sign -19.766+/-0.321 χ^2/NDF: 2108.4/40

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -18.739+/-0.016 χ^2/NDF:277804.1/23

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

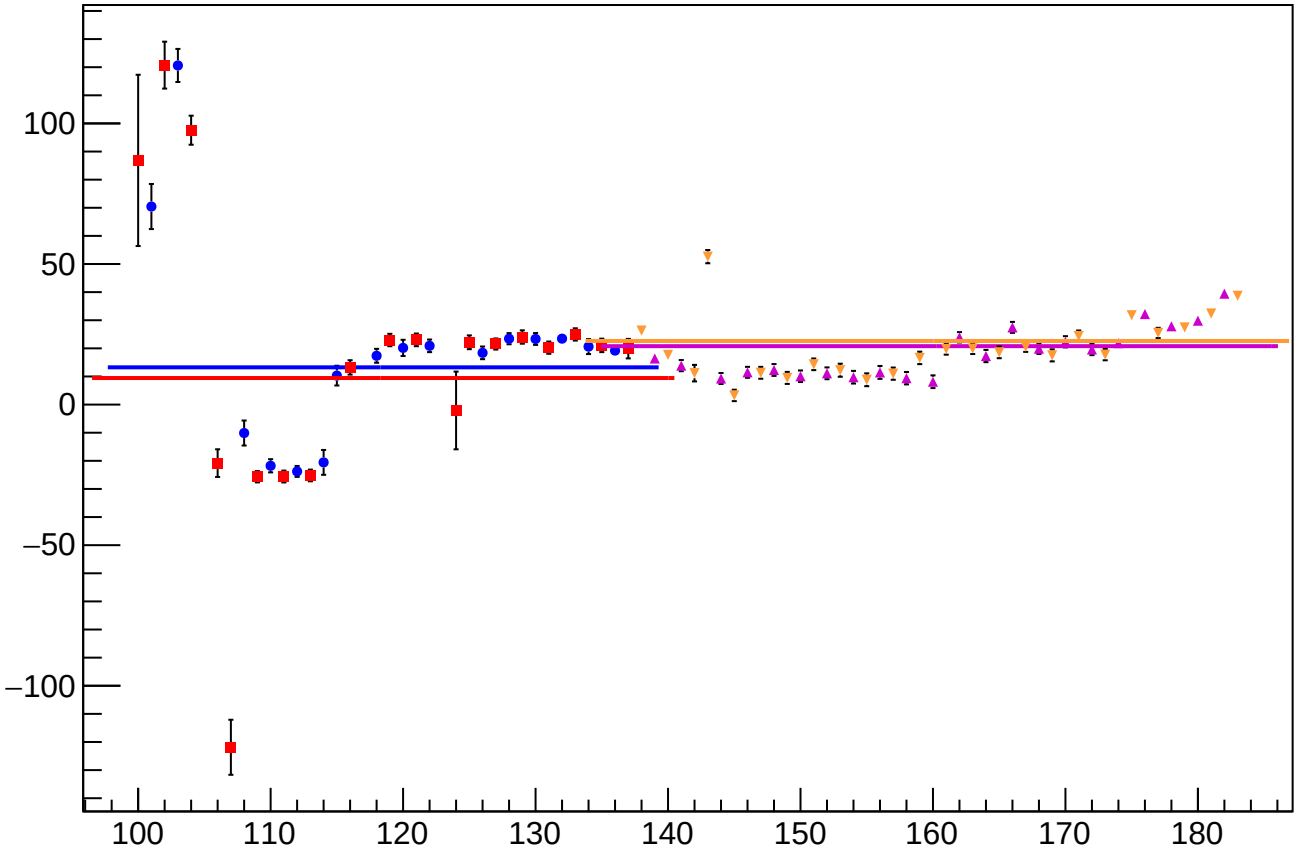
Left In: -18.633+/-0.016 χ^2/NDF:238042.6/21

\+ sign -18.633+/-0.015 χ^2/NDF: 704311.7/39

All: -18.668+/-0.011 χ^2/NDF: 1287186.2/80

\- sign -18.705+/-0.015 χ^2/NDF: 582862.7/40

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 22.629+/-0.385 χ^2/NDF:713.7/23

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

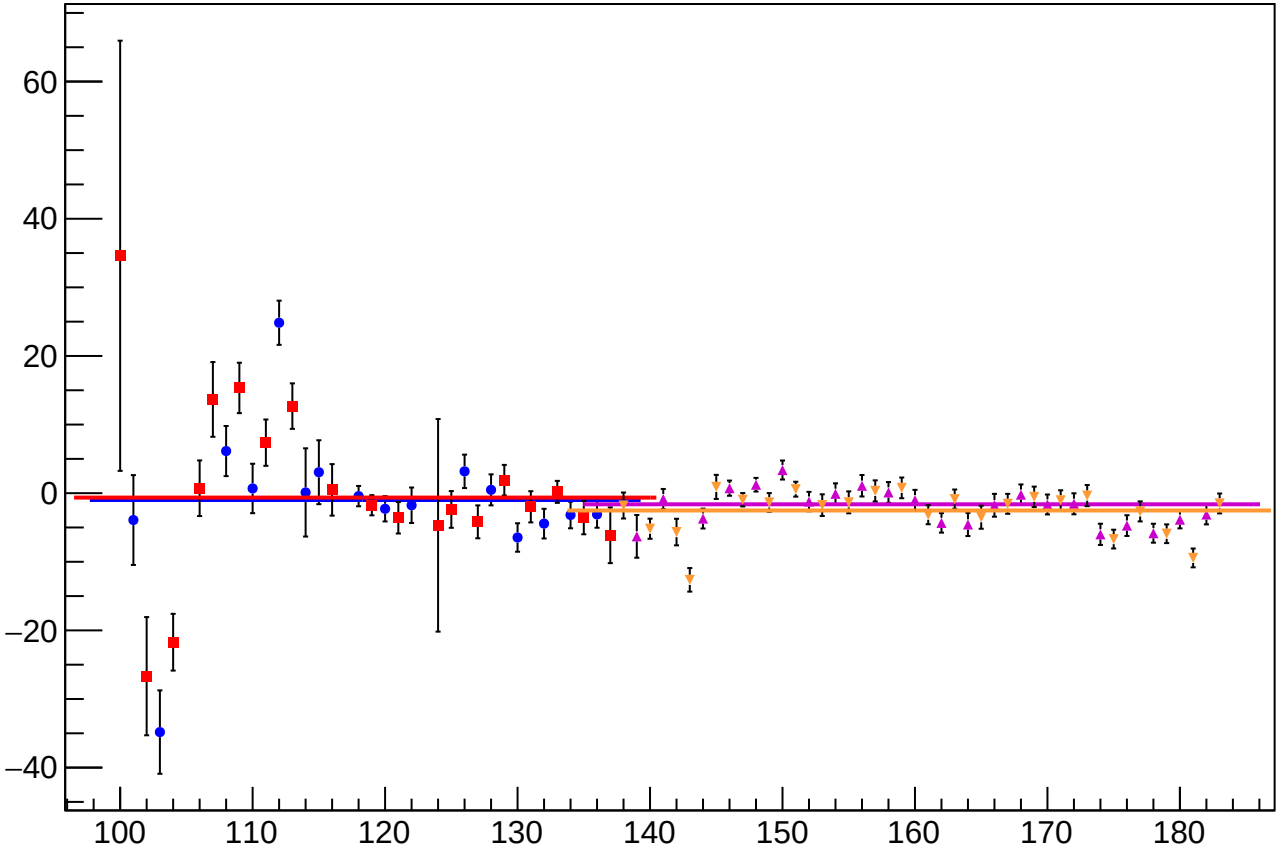
Left In: 20.780+/-0.398 χ^2/NDF:552.2/21

+ sign 19.983+/-0.326 χ^2/NDF: 2063.3/39

All: 18.740+/-0.233 χ^2/NDF: 4721.1/80

- sign 17.441+/-0.334 χ^2/NDF: 2628.2/40

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.524+/-0.295 χ^2/NDF:113.6/23

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

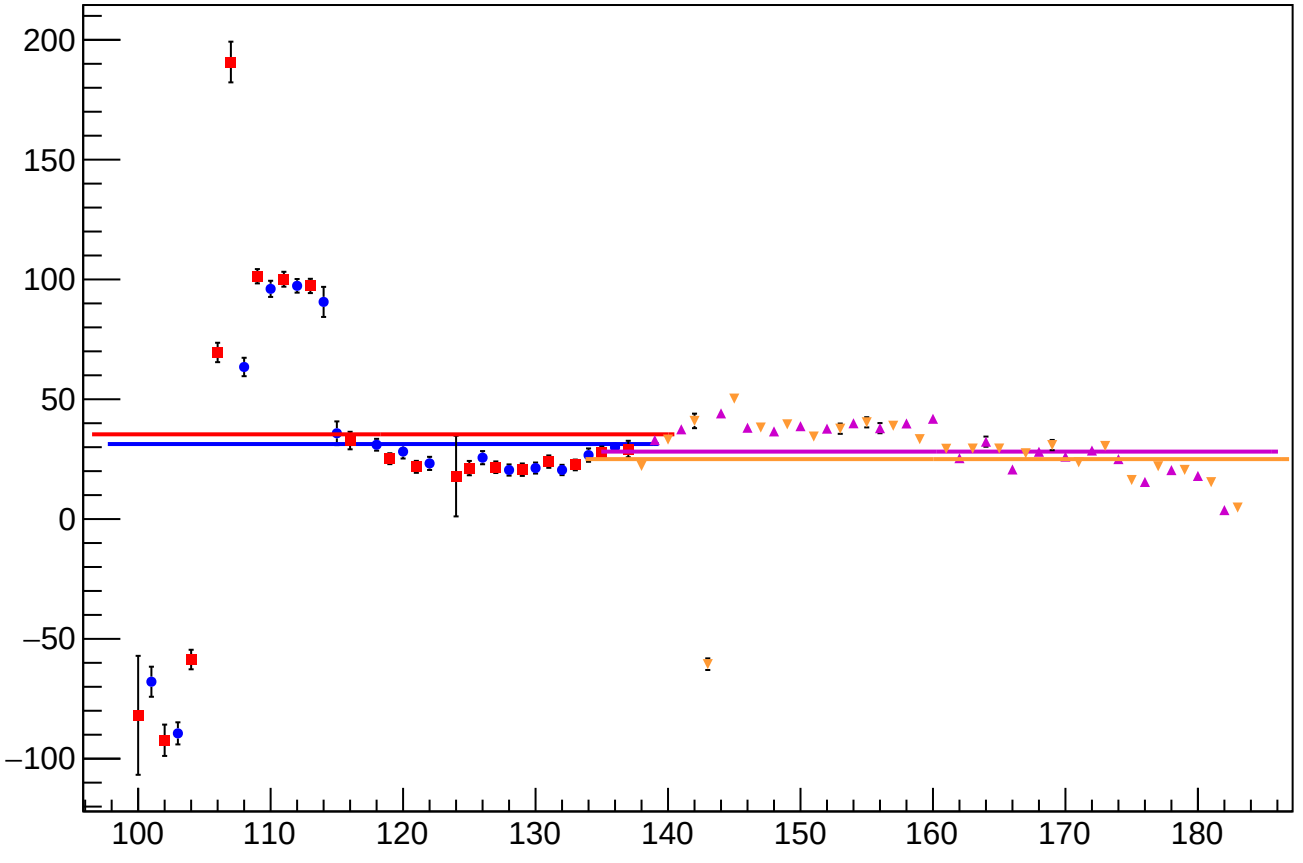
Left In: -1.620+/-0.306 χ^2/NDF:69.1/21

+ sign -2.241+/-0.266 χ^2/NDF: 234.9/39

All: -1.853+/-0.192 χ^2/NDF: 404.6/80

- sign -1.436+/-0.276 χ^2/NDF: 165.3/40

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 25.019+/-0.382 χ^2/NDF:2033.6/23

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

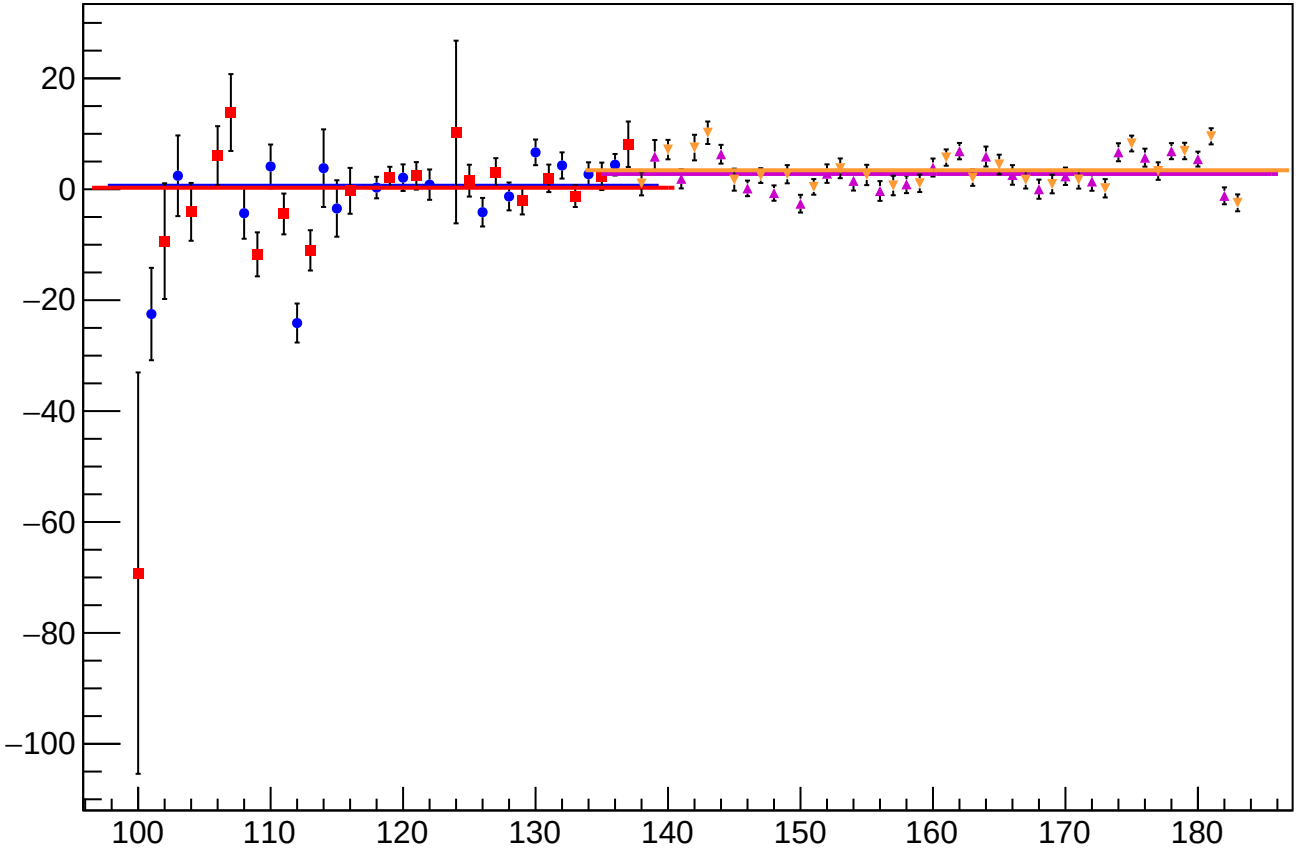
Left In: 28.154+/-0.393 χ^2/NDF:775.6/21

+ sign 26.463+/-0.336 χ^2/NDF: 4181.7/39

All: 28.096+/-0.240 χ^2/NDF: 7981.5/80

- sign 29.821+/-0.345 χ^2/NDF: 3751.1/40

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.428+/-0.333 χ^2/NDF:92.4/23

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

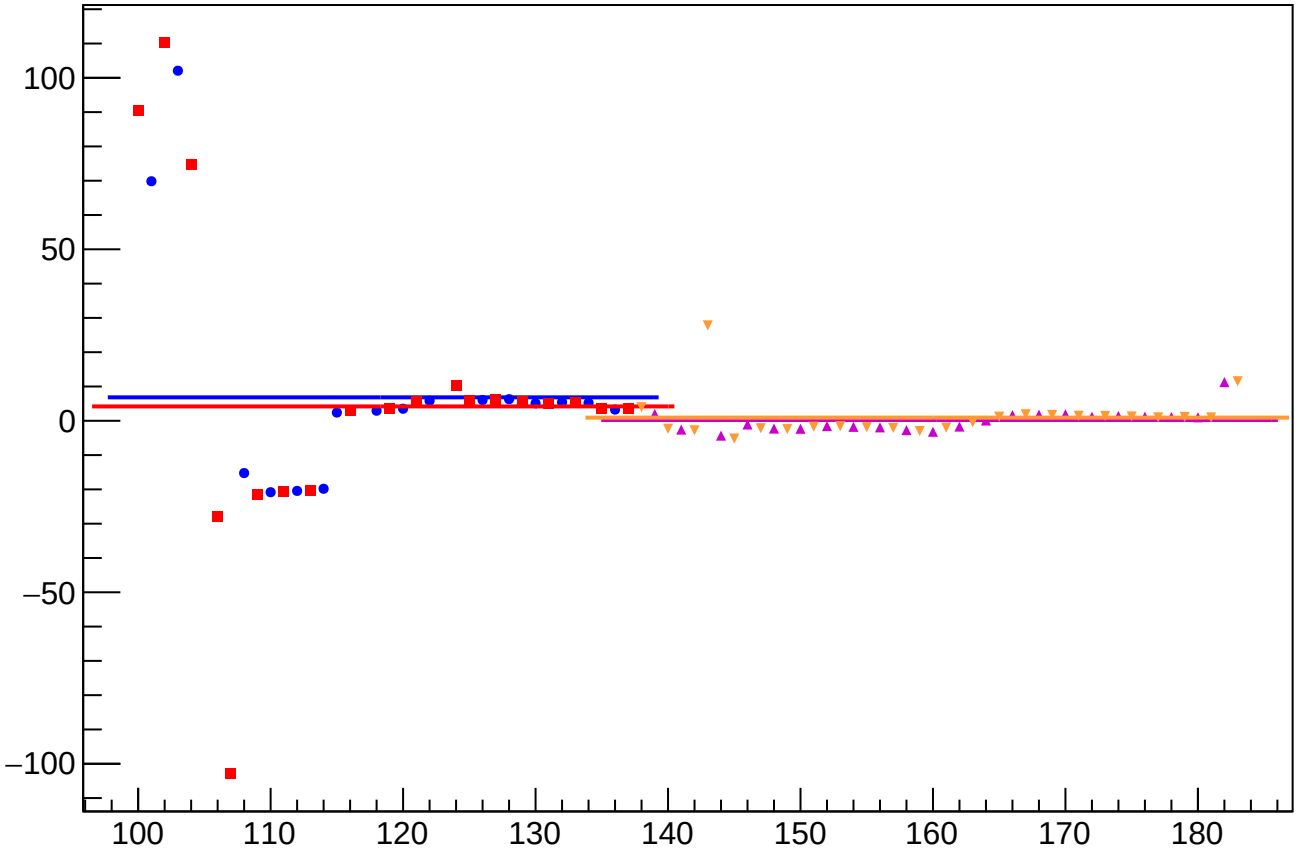
Left In: 2.764+/-0.345 χ^2/NDF:73.9/21

\+ sign 2.916+/-0.301 χ^2/NDF: 183.6/39

All: 2.621+/-0.217 χ^2/NDF: 309.6/80

\- sign 2.305+/-0.312 χ^2/NDF: 124.0/40

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.923+/-0.015 χ^2/NDF:121127.3/23

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

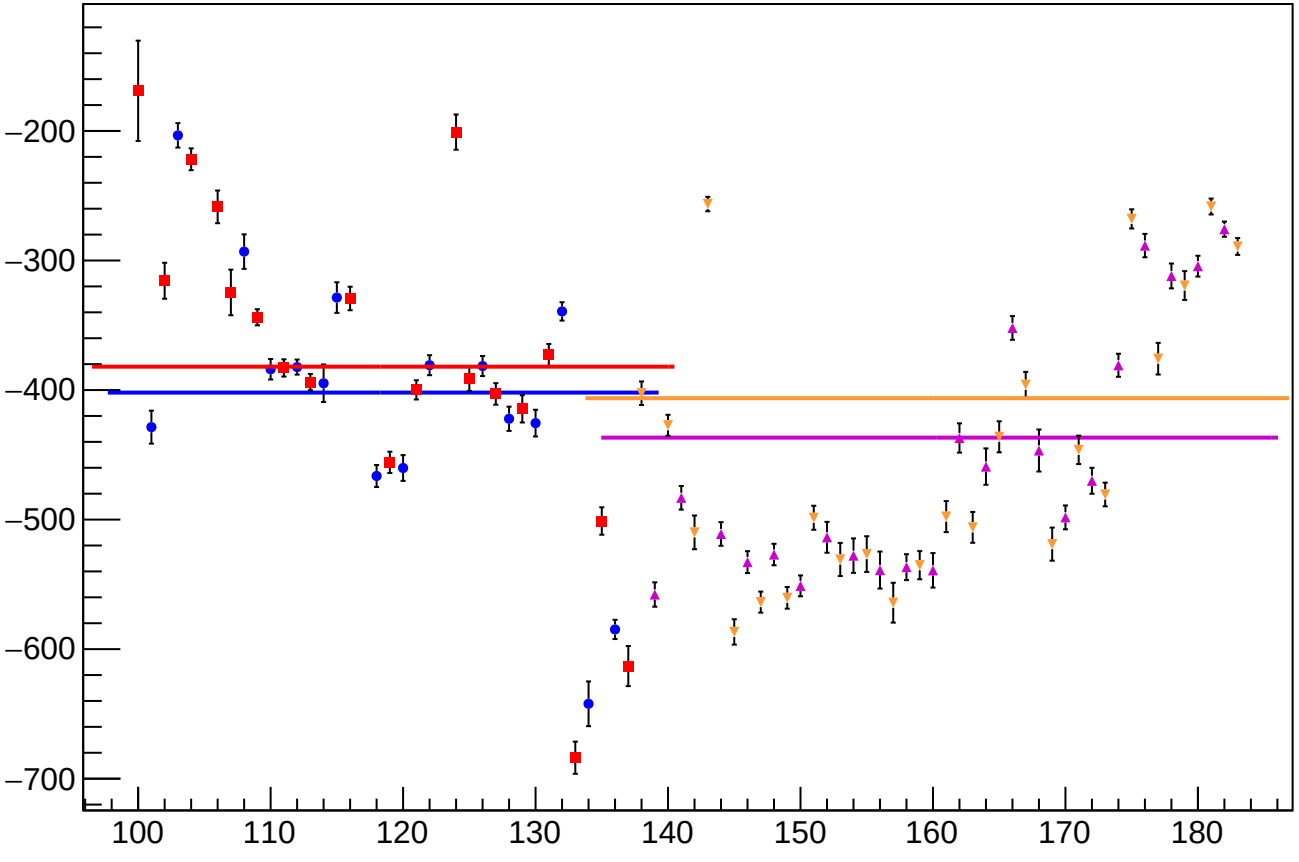
Left In: 0.232+/-0.015 χ^2/NDF:43126.8/21

+ sign 1.566+/-0.014 χ^2/NDF: 459066.2/39

All: 1.104+/-0.010 χ^2/NDF: 945535.2/80

- sign 0.618+/-0.014 χ^2/NDF: 484270.3/40

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -406.264+/-1.884 χ^2/NDF:3974.4/23

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

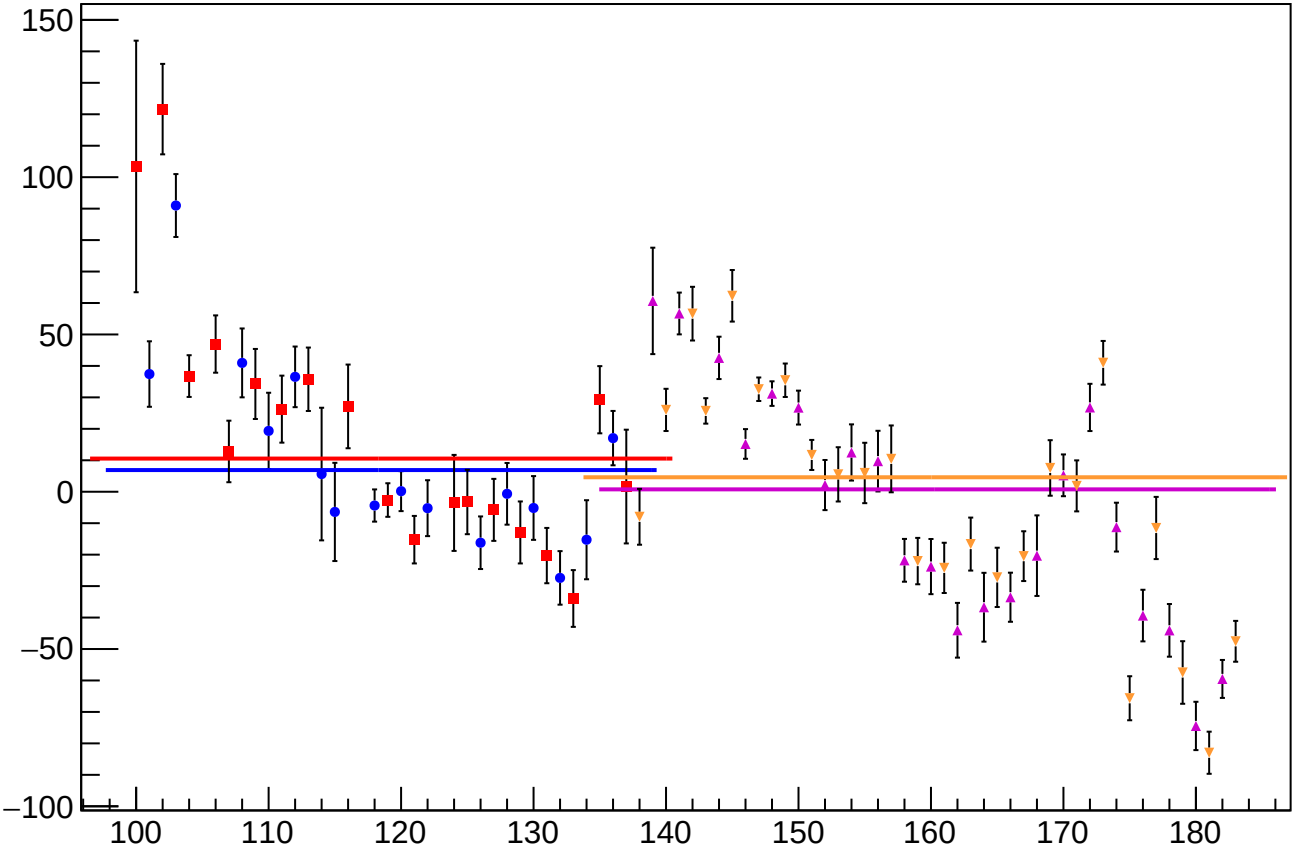
Left In: -436.729+/-2.028 χ^2/NDF:2650.6/21

+ sign -404.478+/-1.441 χ^2/NDF: 5539.9/39

All: -407.492+/-1.028 χ^2/NDF: 10364.7/80

- sign -410.616+/-1.467 χ^2/NDF: 4816.0/40

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 4.600+/-1.387 χ^2/NDF:677.8/23

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

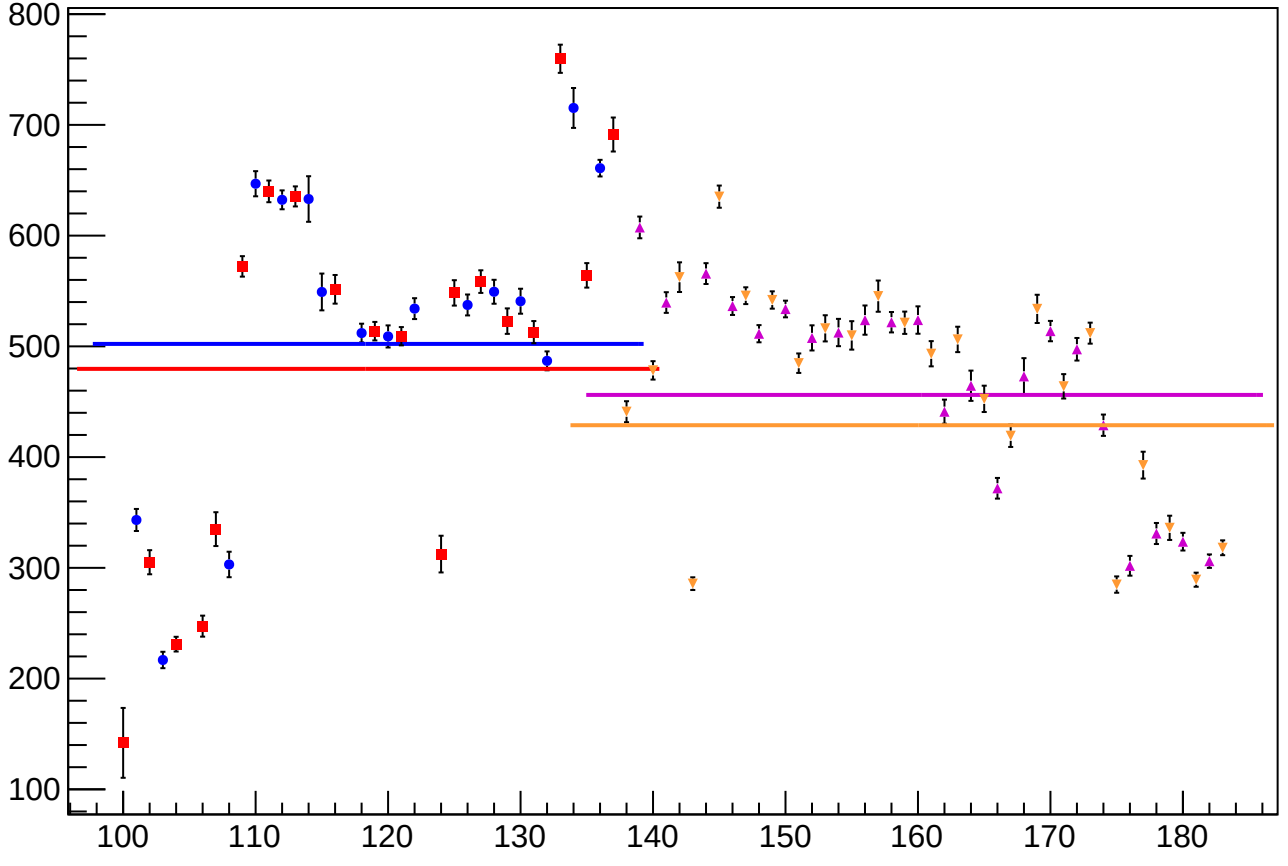
Left In: 0.754+/-1.505 χ^2/NDF:560.1/21

+ sign 5.225+/-1.183 χ^2/NDF: 817.0/39

All: 4.586+/-0.856 χ^2/NDF: 1571.3/80

- sign 3.881+/-1.242 χ^2/NDF: 753.7/40

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 428.793+/-1.876 χ^2/NDF:3366.5/23

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

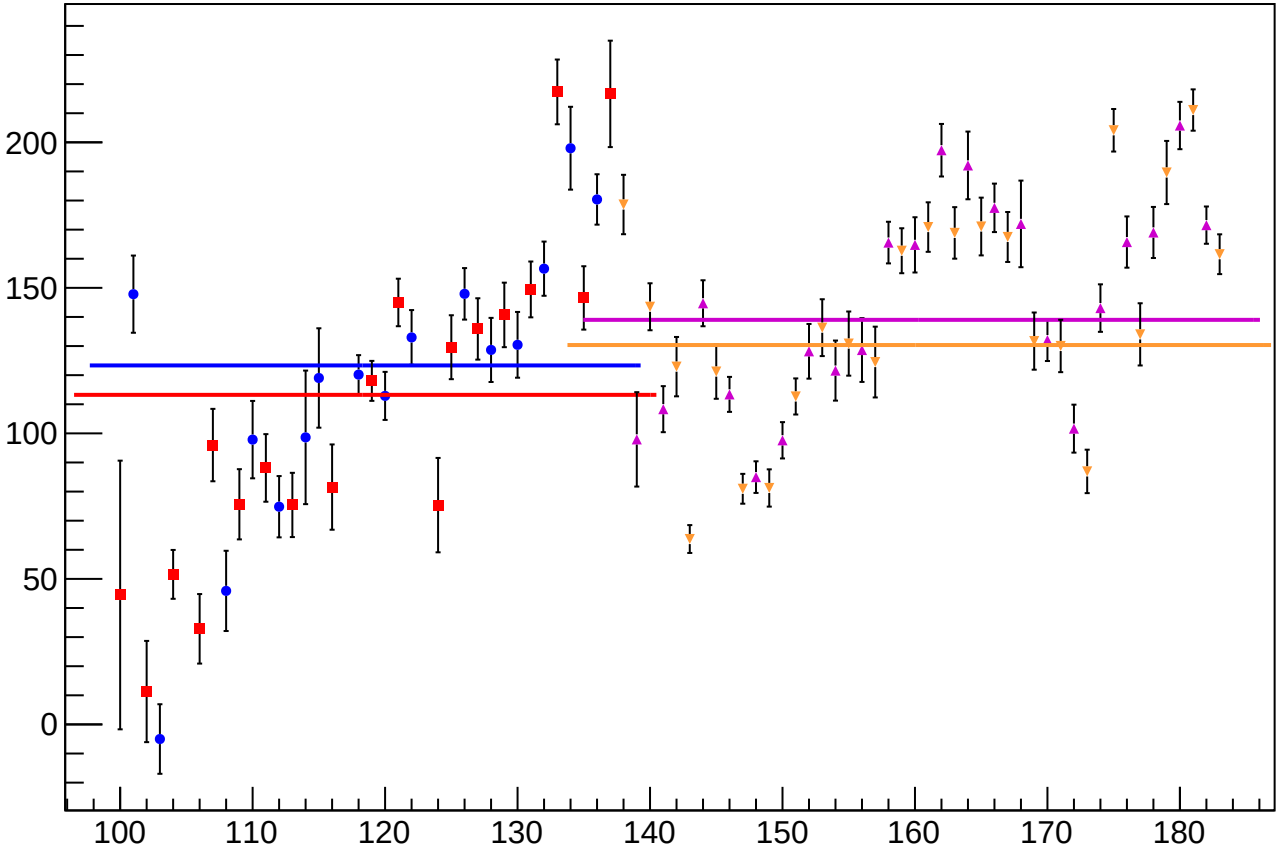
Left In: 456.155+/-2.005 χ^2/NDF:2362.8/21

+ sign 455.331+/-1.499 χ^2/NDF: 7055.5/39

All: 460.442+/-1.074 χ^2/NDF: 13637.4/80

- sign 465.828+/-1.539 χ^2/NDF: 6557.9/40

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 130.352+/-1.604 χ^2/NDF:791.3/23

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

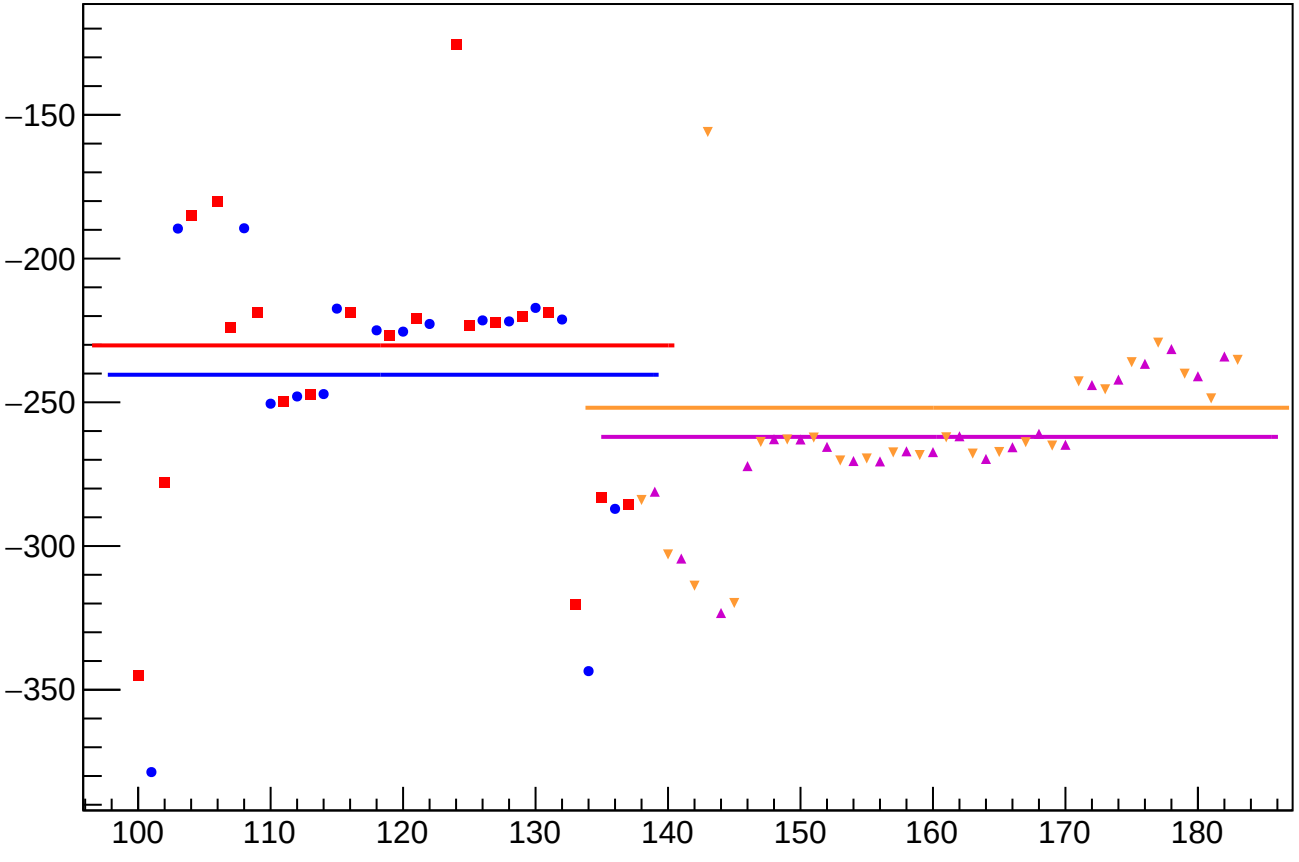
Left In: 139.007+/-1.726 χ^2/NDF:433.8/21

+ sign 128.448+/-1.369 χ^2/NDF: 1067.9/39

All: 129.617+/-0.988 χ^2/NDF: 1919.2/80

- sign 130.889+/-1.428 χ^2/NDF: 849.8/40

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -251.893+/-0.075 χ^2/NDF:253683.0/23

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

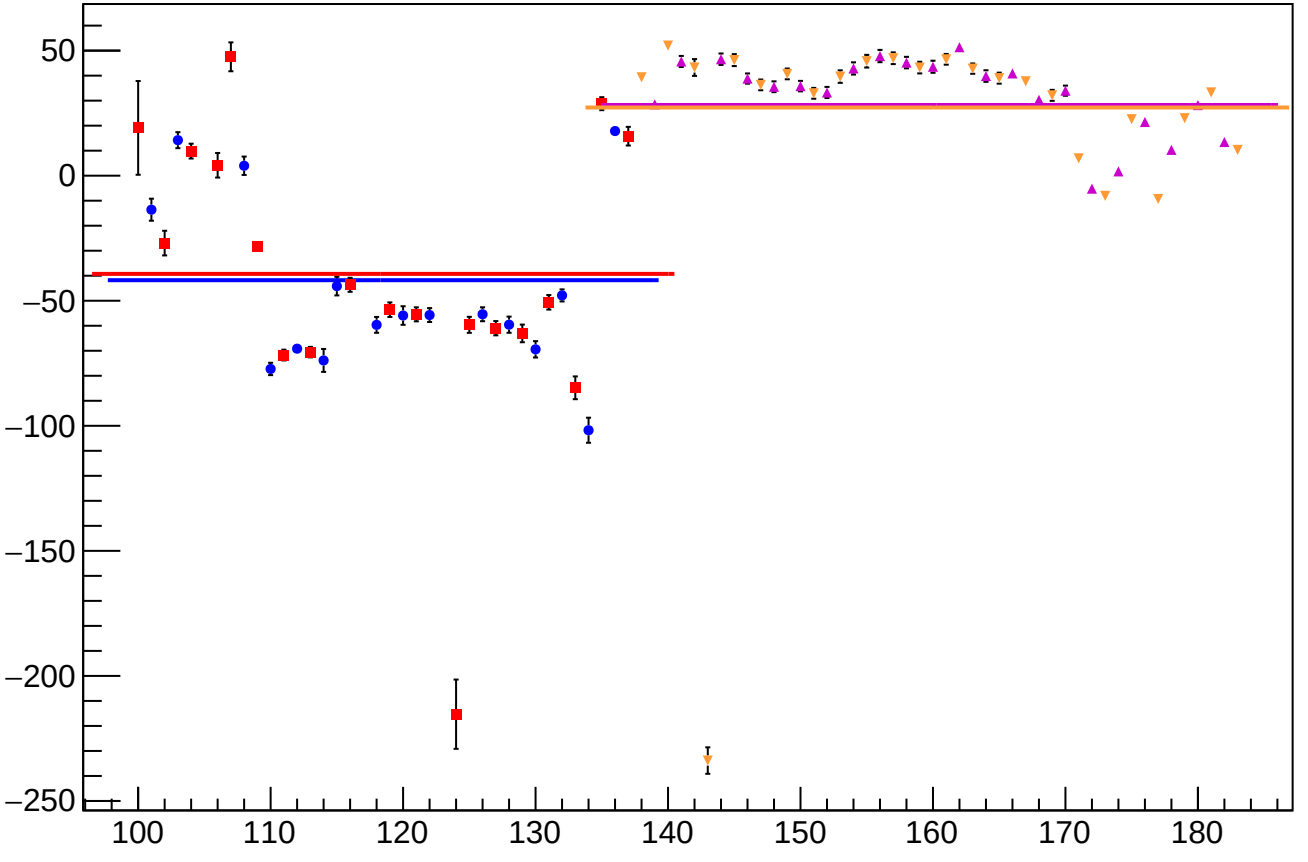
Left In: -262.024+/-0.079 χ^2/NDF:67406.8/21

+ sign -249.593+/-0.067 χ^2/NDF: 392482.4/39

All: -252.149+/-0.048 χ^2/NDF: 582840.8/80

- sign -254.864+/-0.069 χ^2/NDF: 187394.0/40

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 27.256+/-0.393 χ^2/NDF:4277.0/23

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

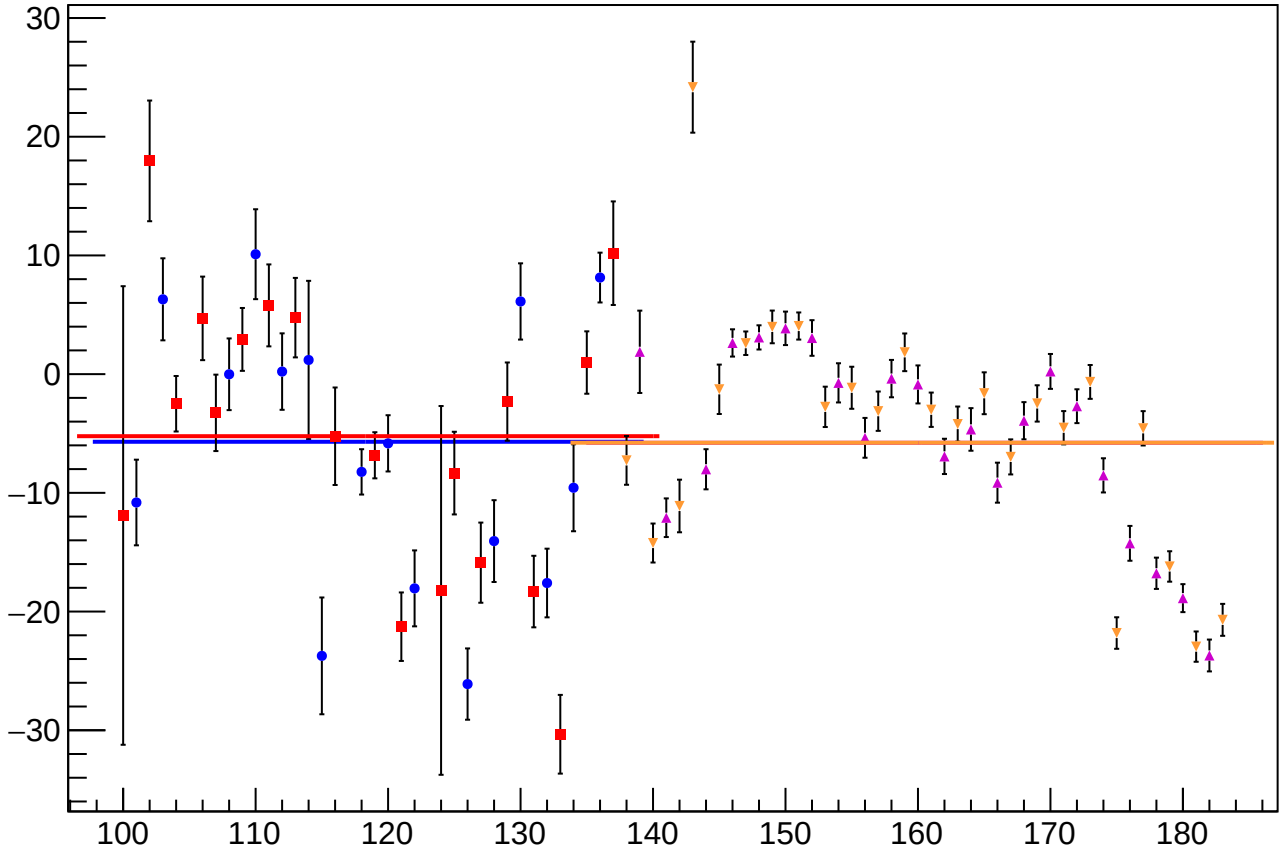
Left In: 28.272+/-0.402 χ^2/NDF:1467.7/21

+ sign 11.505+/-0.345 χ^2/NDF: 13719.0/39

All: 11.151+/-0.244 χ^2/NDF: 24986.3/80

- sign 10.796+/-0.346 χ^2/NDF: 11265.2/40

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -5.777+/-0.304 χ^2/NDF:876.1/23

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

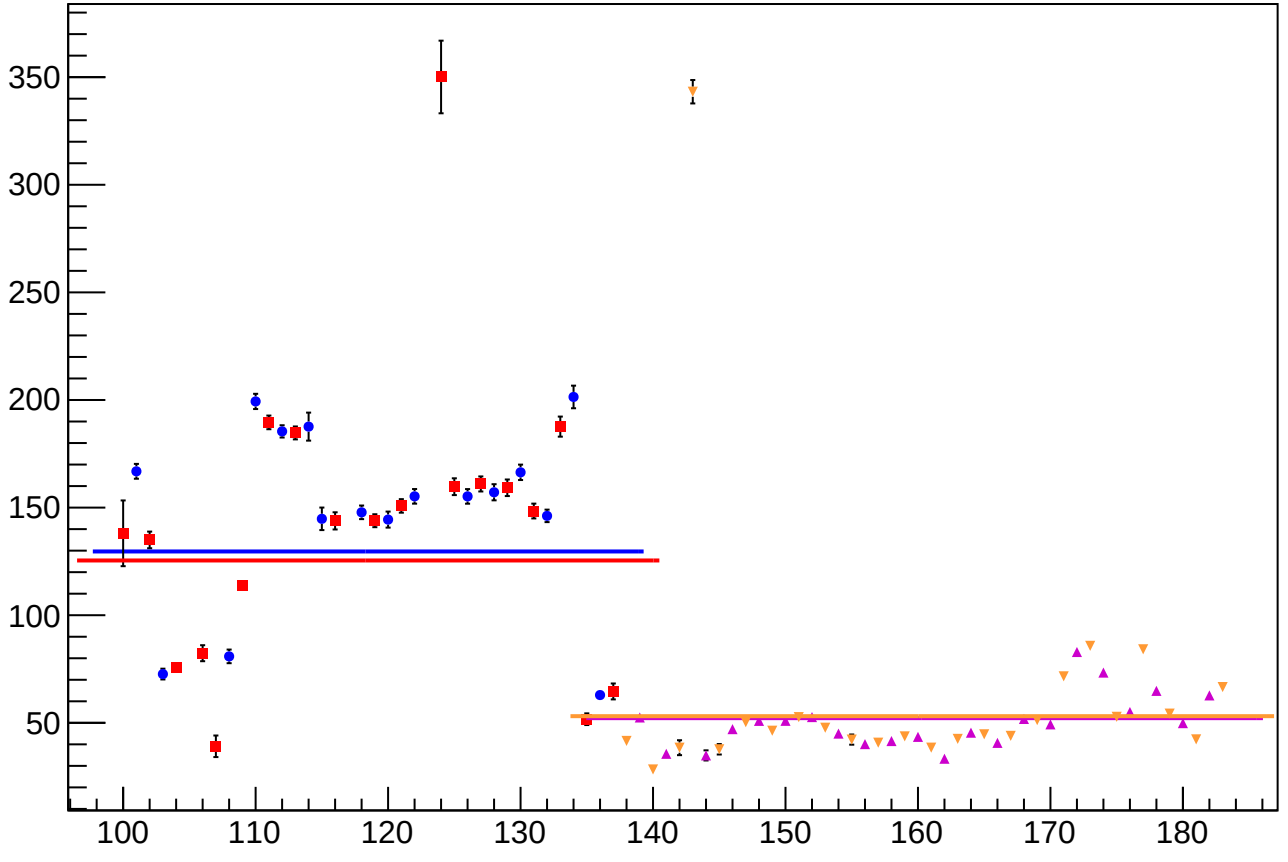
Left In: -5.784+/-0.312 χ^2/NDF:699.1/21

+ sign -5.765+/-0.282 χ^2/NDF: 1072.8/39

All: -5.733+/-0.201 χ^2/NDF: 1969.8/80

- sign -5.700+/-0.288 χ^2/NDF: 897.0/40

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 53.091+/-0.390 χ^2/NDF:4154.6/23

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

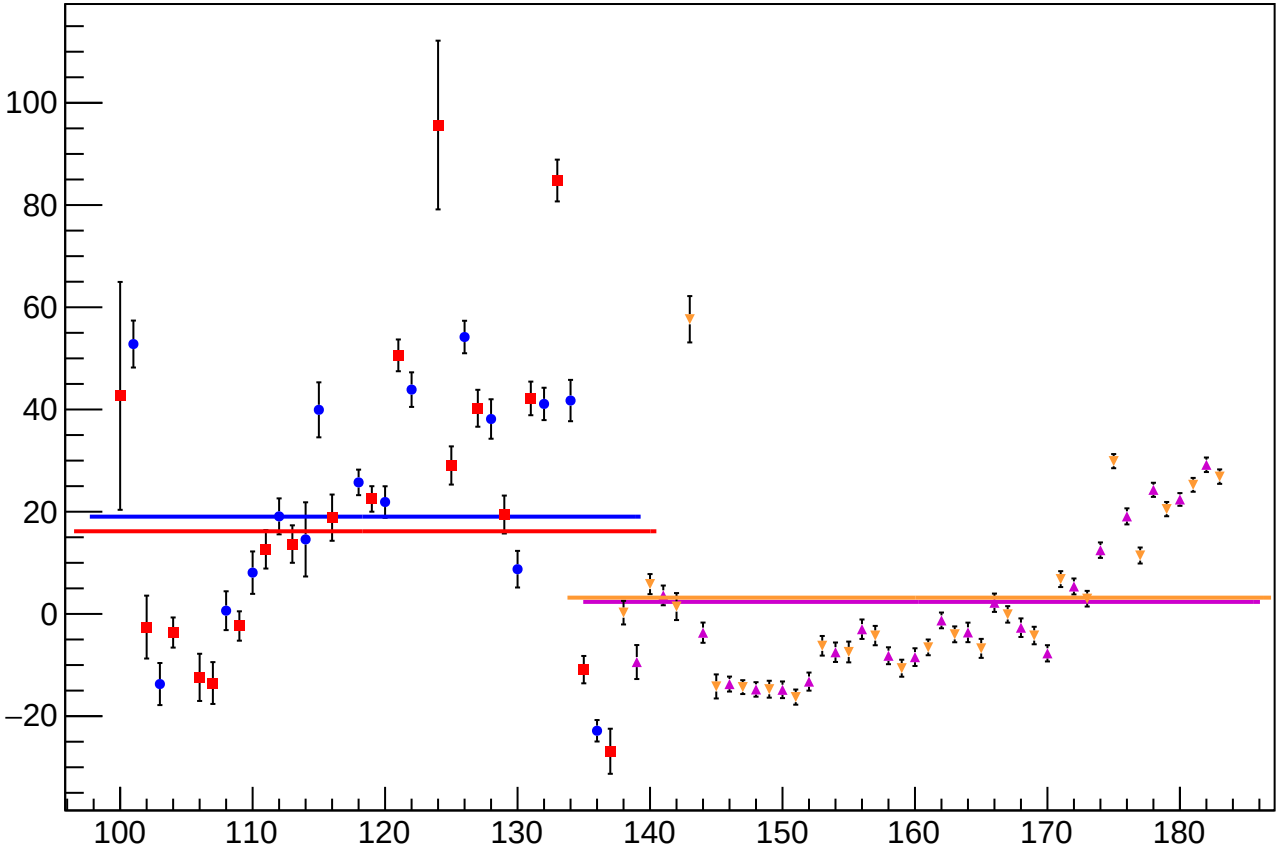
Left In: 52.171+/-0.398 χ^2/NDF:883.6/21

+ sign 67.792+/-0.351 χ^2/NDF: 15160.8/39

All: 67.400+/-0.250 χ^2/NDF: 26413.5/80

- sign 66.999+/-0.355 χ^2/NDF: 11250.1/40

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 3.189+/-0.343 χ^2/NDF:2011.8/23

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

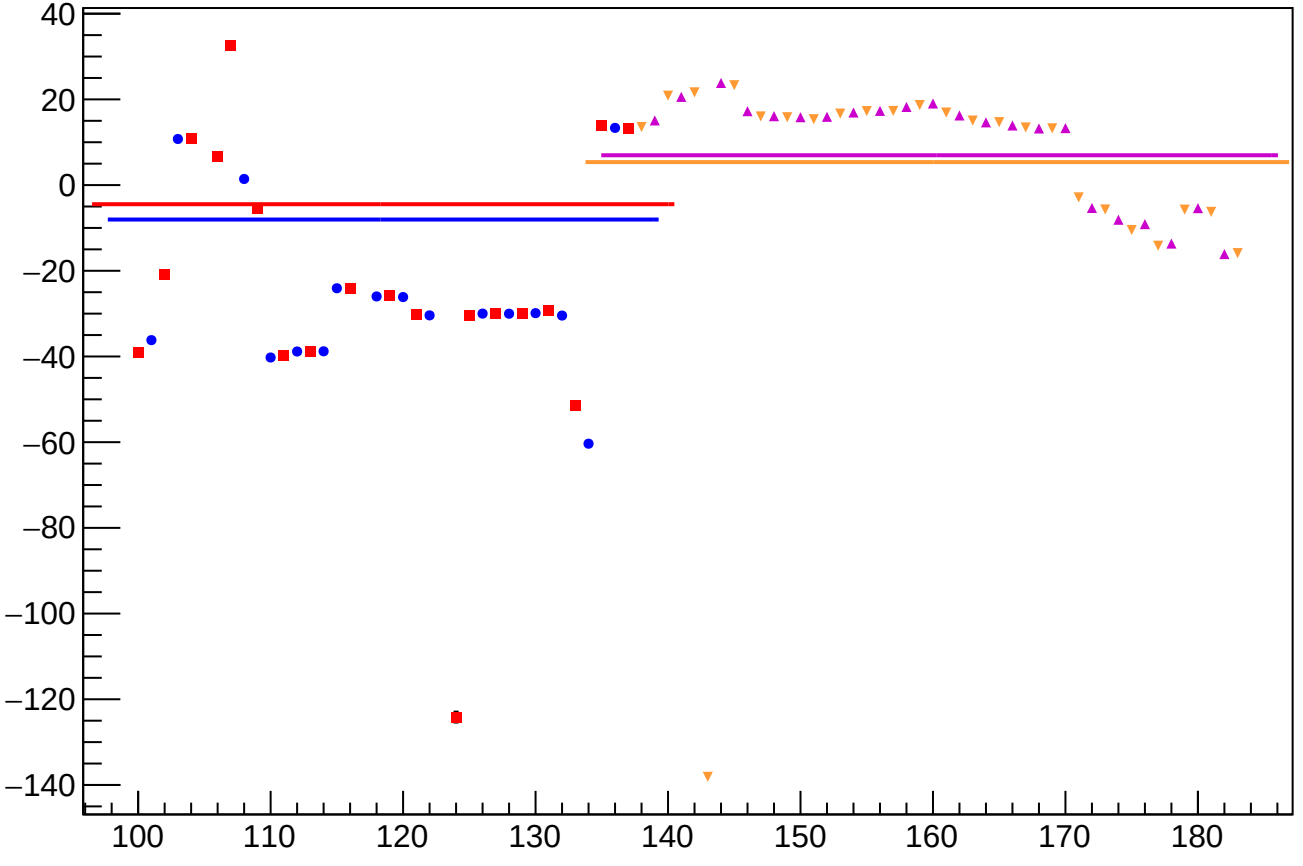
Left In: 2.355+/-0.350 χ^2/NDF:1683.3/21

+ sign 5.360+/-0.318 χ^2/NDF: 3162.9/39

All: 4.878+/-0.227 χ^2/NDF: 6019.9/80

- sign 4.379+/-0.324 χ^2/NDF: 2852.3/40

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 5.366+/-0.015 χ^2/NDF:1101163.0/23

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

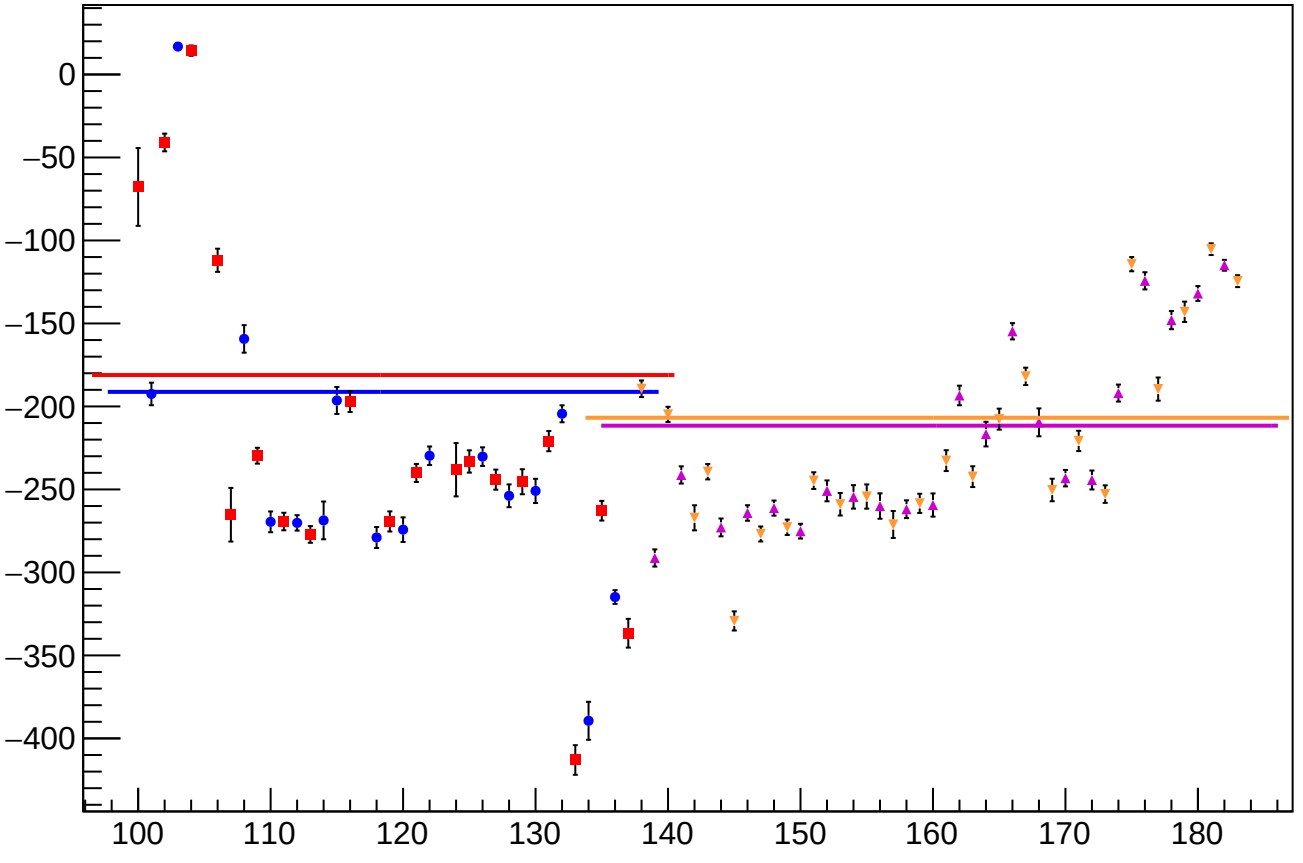
Left In: 6.962+/-0.016 χ^2/NDF:679801.8/21

+ sign 4.009+/-0.015 χ^2/NDF: 1445932.6/39

All: 4.911+/-0.010 χ^2/NDF: 2415568.5/80

- sign 5.831+/-0.015 χ^2/NDF: 961904.5/40

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -206.822+/-1.079 χ^2/NDF:3446.3/23

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

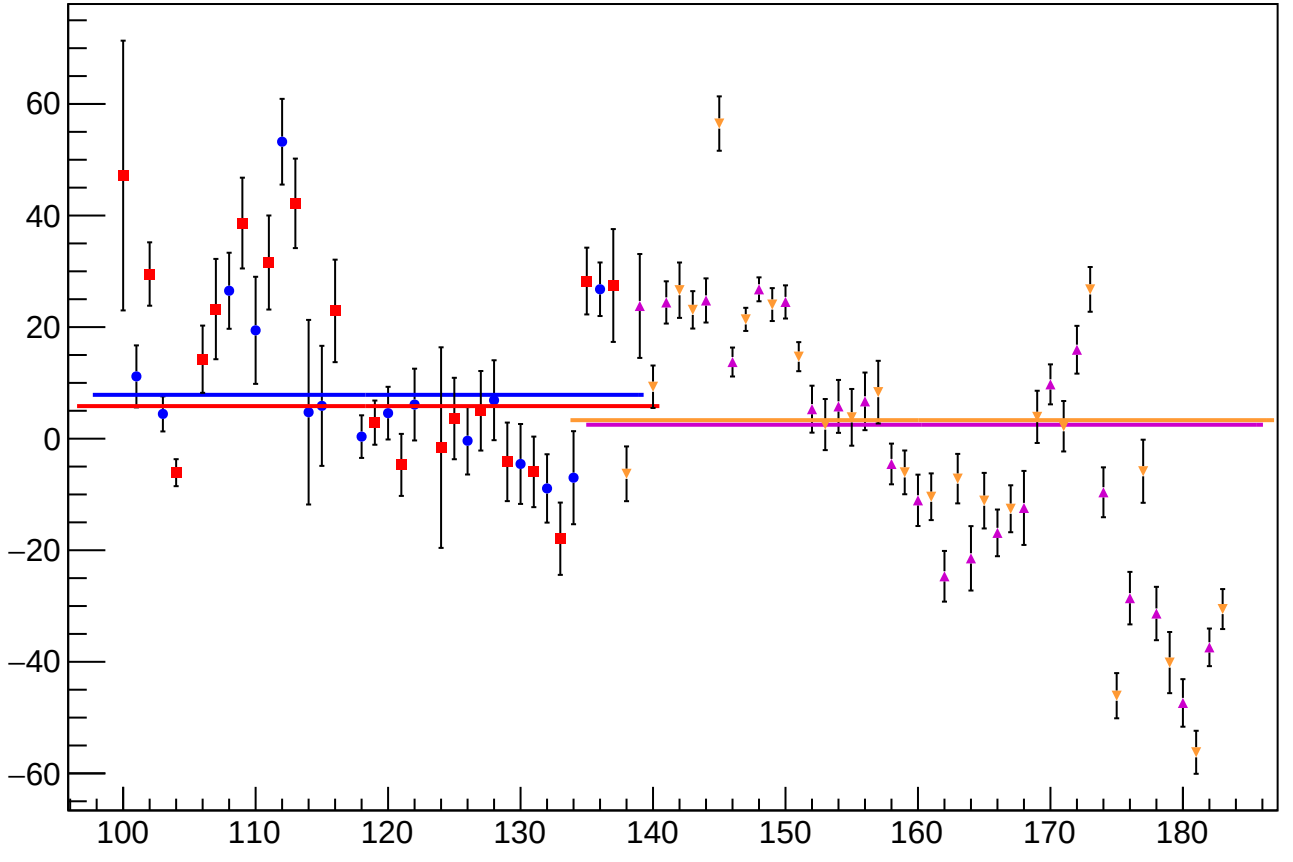
Left In: -211.594+/-1.120 χ^2/NDF:2940.1/21

+ sign -201.103+/-0.859 χ^2/NDF: 10747.5/39

All: -200.315+/-0.611 χ^2/NDF: 21357.4/80

- sign -199.506+/-0.870 χ^2/NDF: 10608.2/40

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 3.319+/-0.793 χ^2/NDF:948.0/23

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

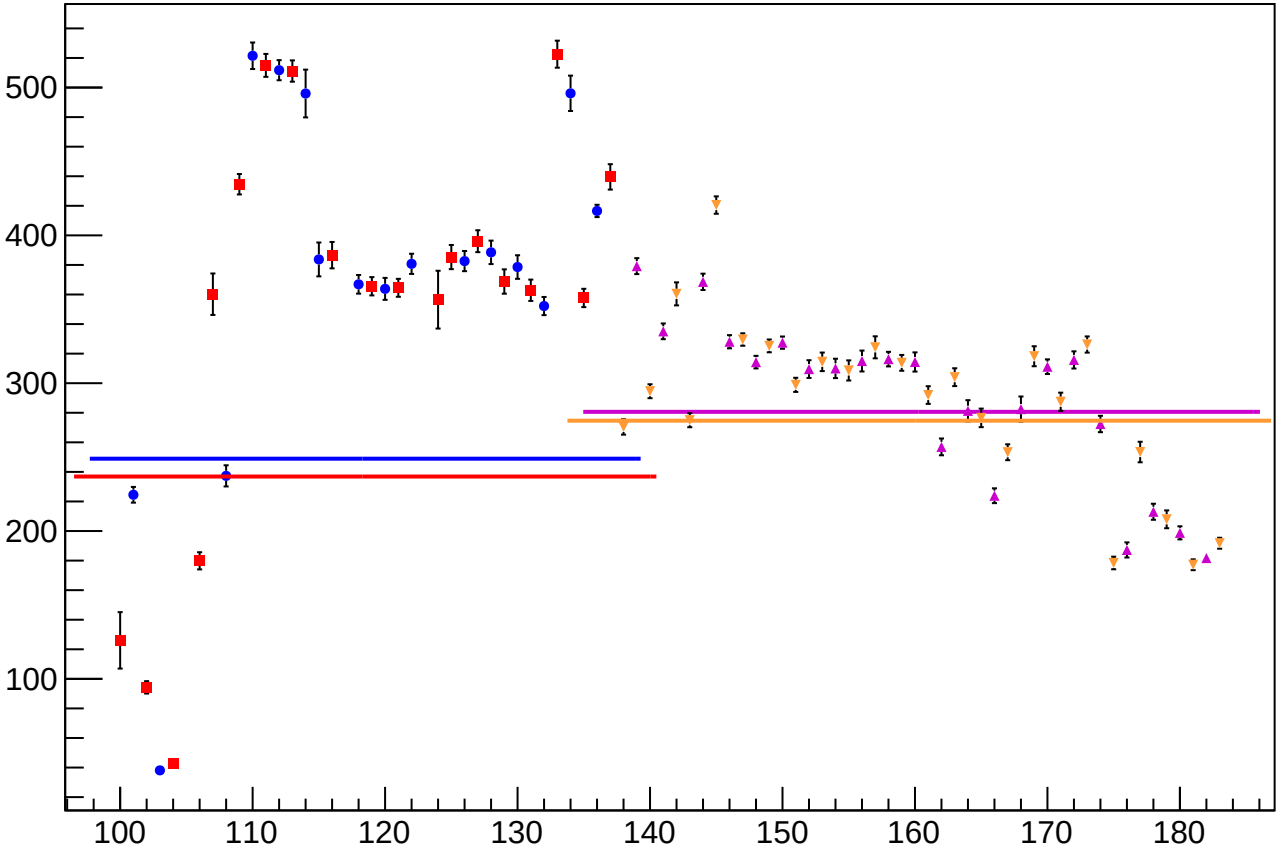
Left In: 2.498+/-0.828 χ^2/NDF:757.5/21

\+ sign 4.377+/-0.694 χ^2/NDF: 1036.6/39

All: 3.901+/-0.495 χ^2/NDF: 1941.3/80

\- sign 3.407+/-0.707 χ^2/NDF: 903.7/40

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 274.632+/-1.071 χ^2/NDF:3279.7/23

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

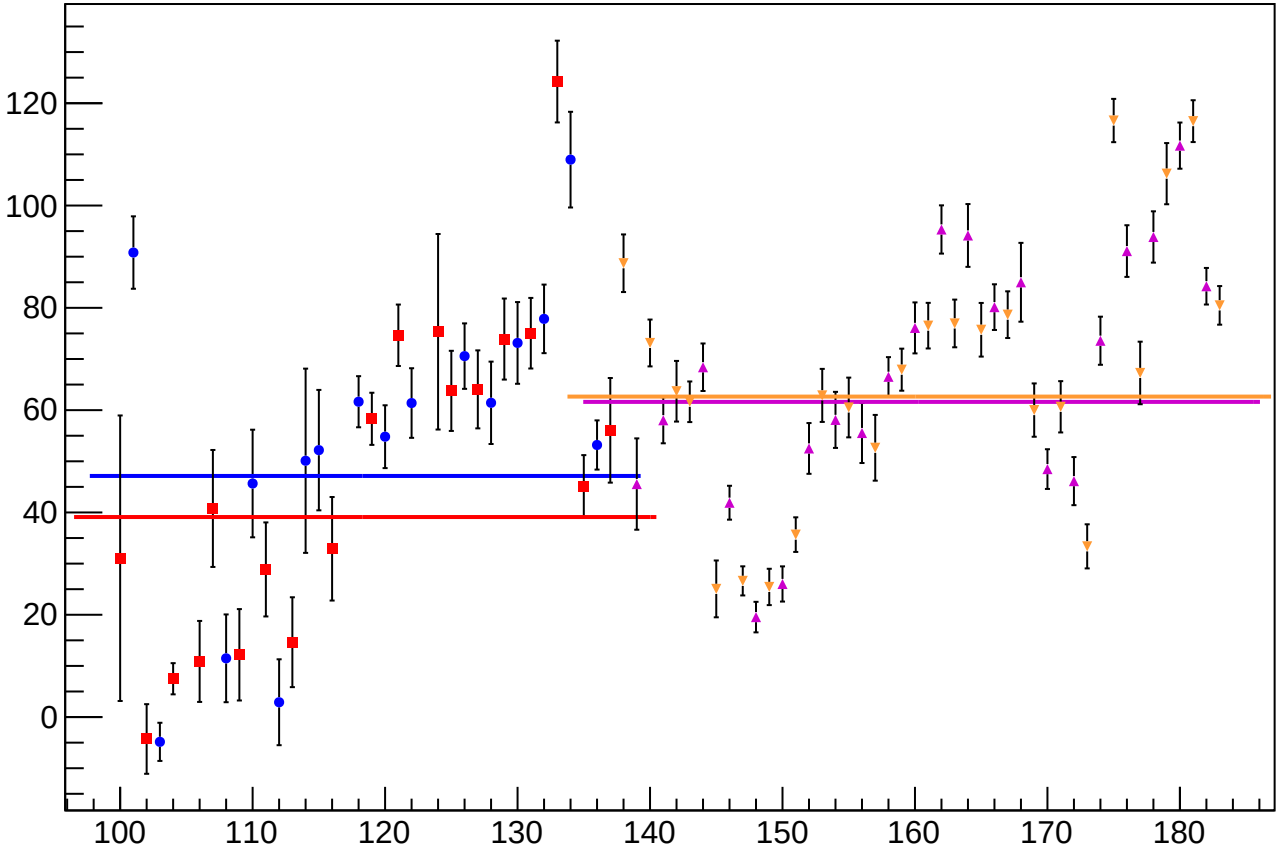
Left In: 280.630+/-1.106 χ^2/NDF:3041.4/21

+ sign 265.329+/-0.855 χ^2/NDF: 18790.4/39

All: 264.636+/-0.610 χ^2/NDF: 38088.6/80

- sign 263.921+/-0.869 χ^2/NDF: 19296.9/40

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 62.651+/-0.915 χ^2/NDF:906.6/23

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

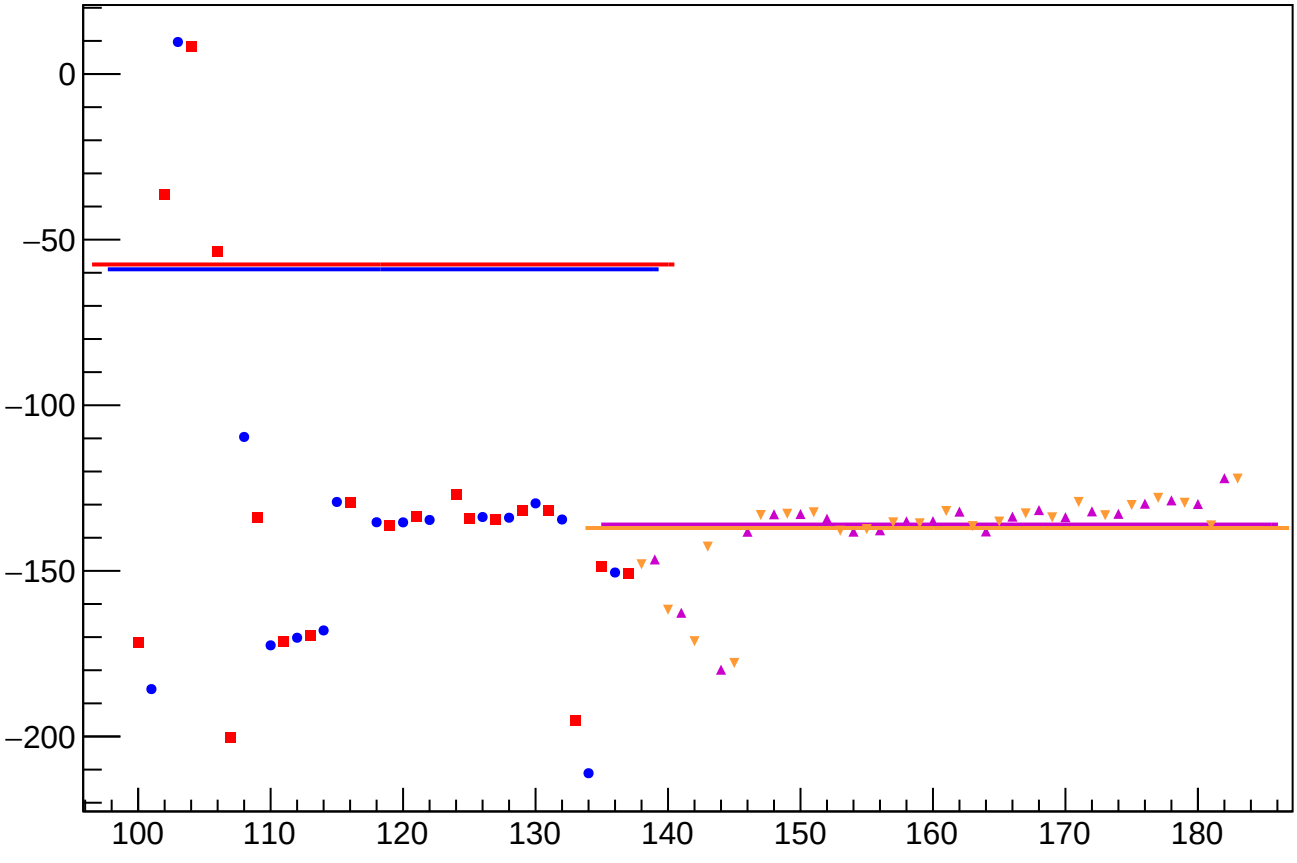
Left In: 61.613+/-0.950 χ^2/NDF:734.9/21

+ sign 59.063+/-0.802 χ^2/NDF: 1358.4/39

All: 57.424+/-0.572 χ^2/NDF: 2665.2/80

- sign 55.726+/-0.816 χ^2/NDF: 1298.3/40

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -137.060+/-0.043 χ^2/NDF:75694.5/23

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

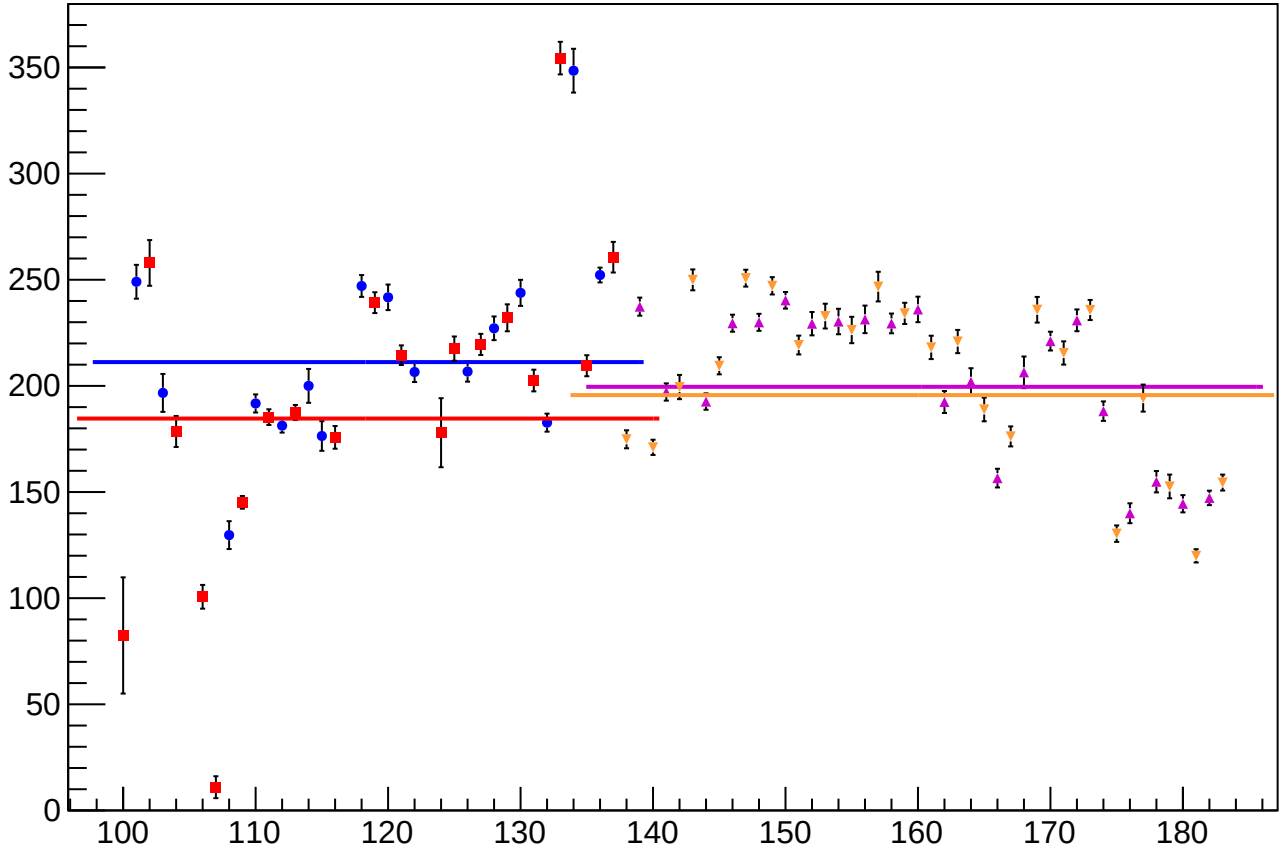
Left In: -136.017+/-0.043 χ^2/NDF:62157.9/21

+ sign -116.974+/-0.037 χ^2/NDF: 2162349.9/39

All: -116.519+/-0.026 χ^2/NDF: 3929803.5/80

- sign -116.049+/-0.037 χ^2/NDF: 1767143.2/40

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 195.662+/-0.953 χ^2/NDF:1998.0/23

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

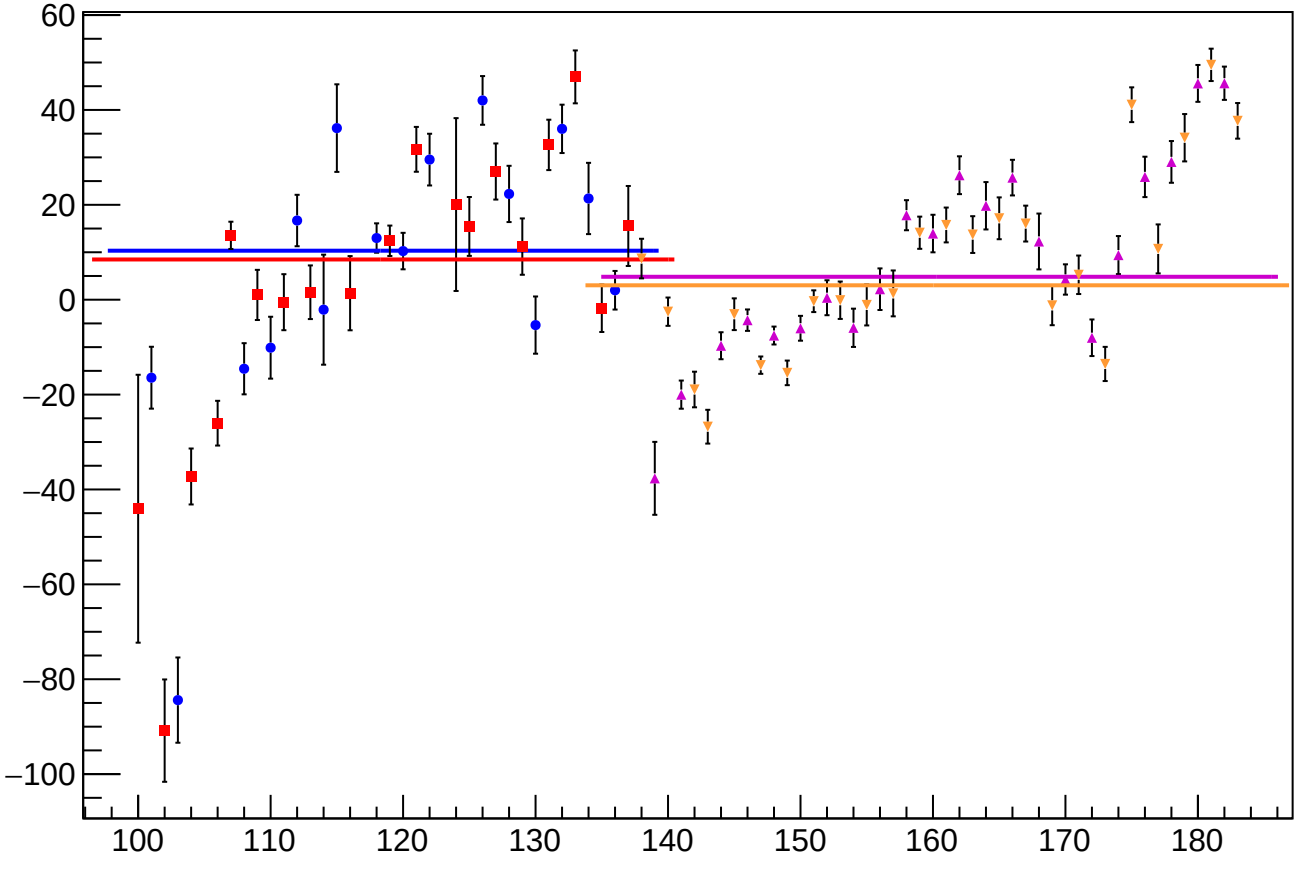
Left In: 199.566+/-0.985 χ^2/NDF:1287.4/21

+ sign 201.116+/-0.767 χ^2/NDF: 2874.5/39

All: 197.275+/-0.540 χ^2/NDF: 6845.2/80

- sign 193.511+/-0.760 χ^2/NDF: 3921.1/40

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: 3.036+/-0.696 χ^2/NDF:746.9/23

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

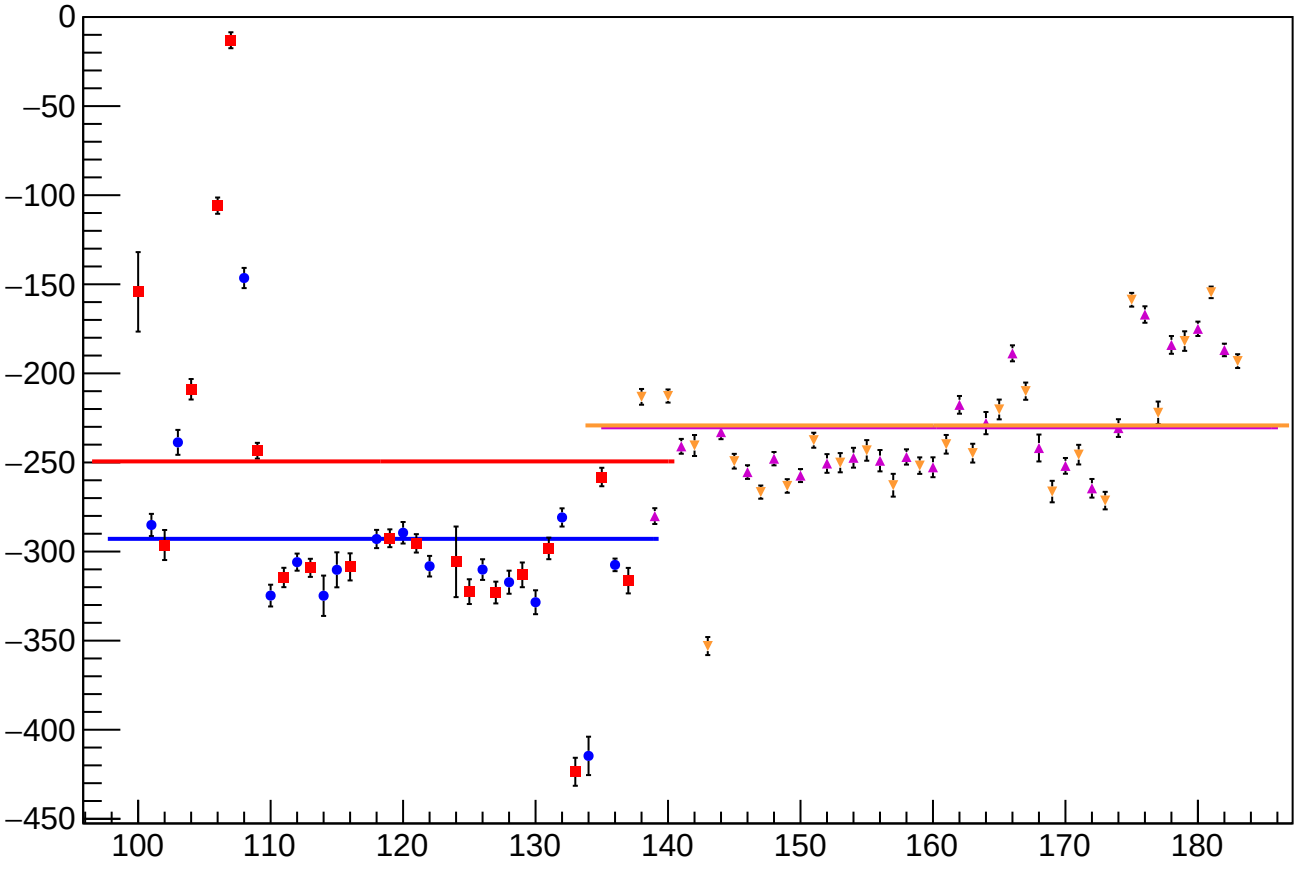
Left In: 4.831+/-0.723 χ^2/NDF:617.3/21

+ sign 4.600+/-0.617 χ^2/NDF: 1033.7/39

All: 5.182+/-0.438 χ^2/NDF: 1981.7/80

- sign 5.775+/-0.623 χ^2/NDF: 946.2/40

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -229.215+/-0.945 χ^2/NDF:2093.7/23

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

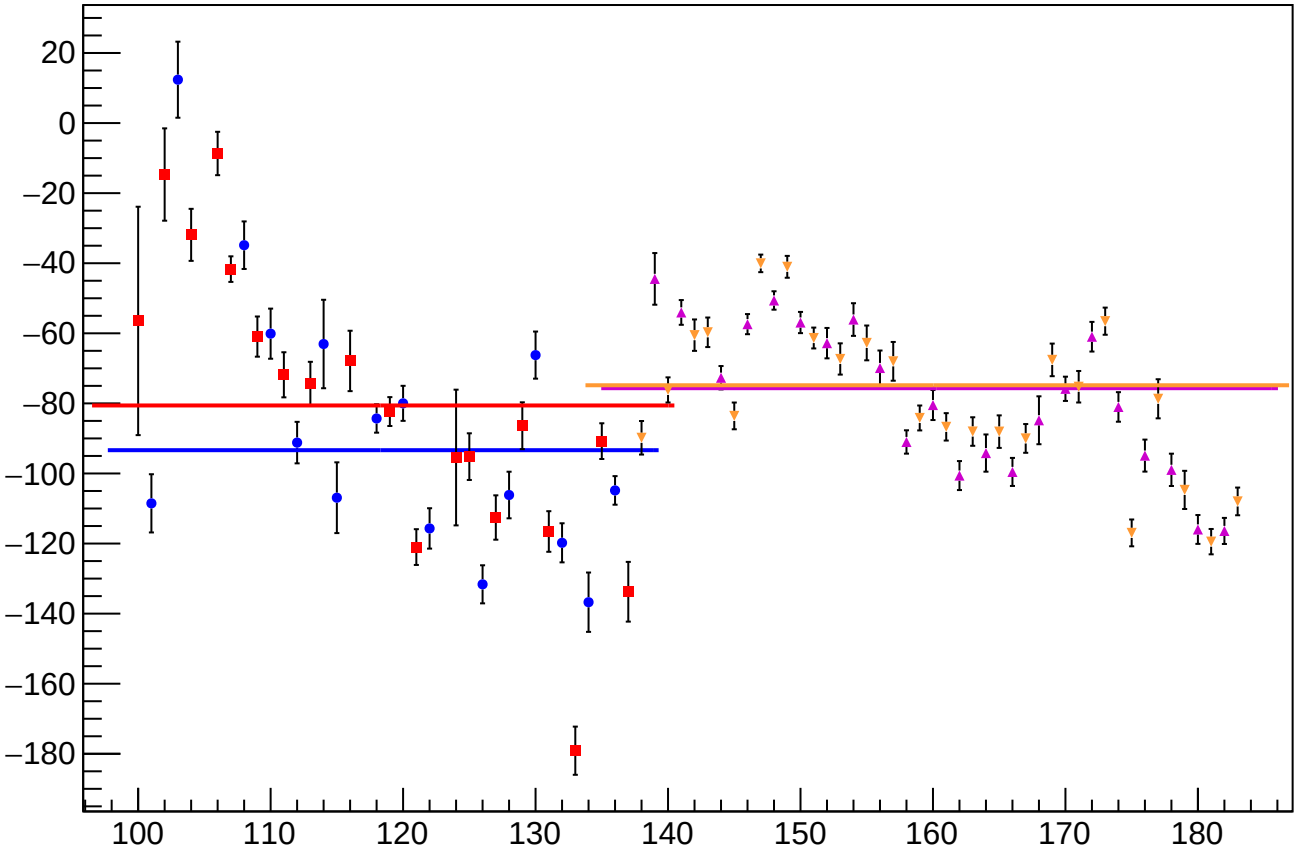
Left In: -230.267+/-0.972 χ^2/NDF:1091.6/21

\+ sign -247.864+/-0.794 χ^2/NDF: 4407.6/39

All: -242.260+/-0.561 χ^2/NDF: 11097.1/80

\- sign -236.682+/-0.792 χ^2/NDF: 6590.1/40

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -74.827+/-0.805 χ^2/NDF:826.5/23

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

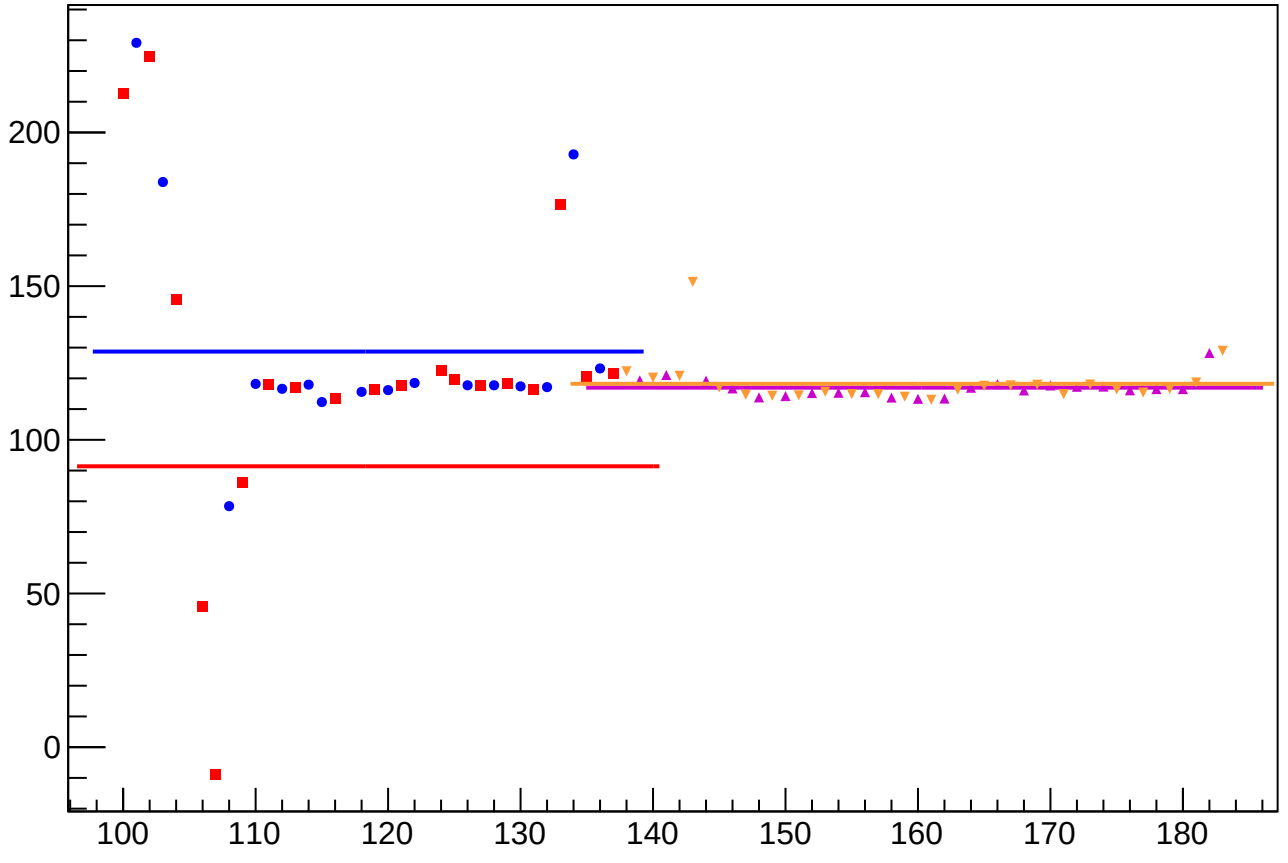
Left In: -75.663+/-0.831 χ^2/NDF:634.9/21

+ sign -78.829+/-0.713 χ^2/NDF: 1296.1/39

All: -77.879+/-0.506 χ^2/NDF: 2658.8/80

- sign -76.916+/-0.718 χ^2/NDF: 1359.1/40

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.233+/-0.038 χ^2/NDF:33954.9/23

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

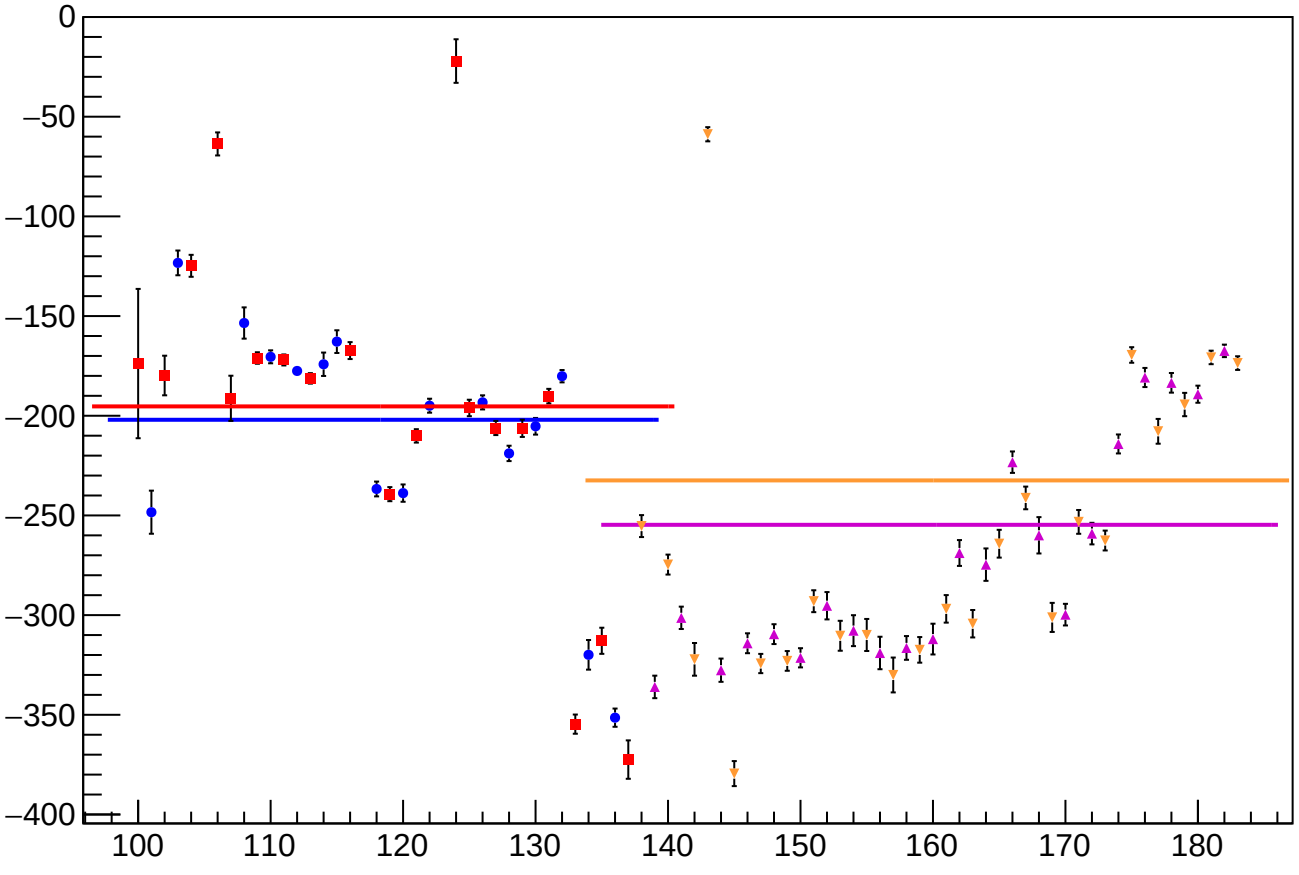
Left In: 116.972+/-0.038 χ^2/NDF:7874.7/21

\+ sign 119.815+/-0.035 χ^2/NDF: 229219.2/39

All: 115.952+/-0.024 χ^2/NDF: 951734.3/80

\- sign 112.178+/-0.034 χ^2/NDF: 697905.8/40

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -232.434+/-1.083 χ^2/NDF:5758.1/23

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

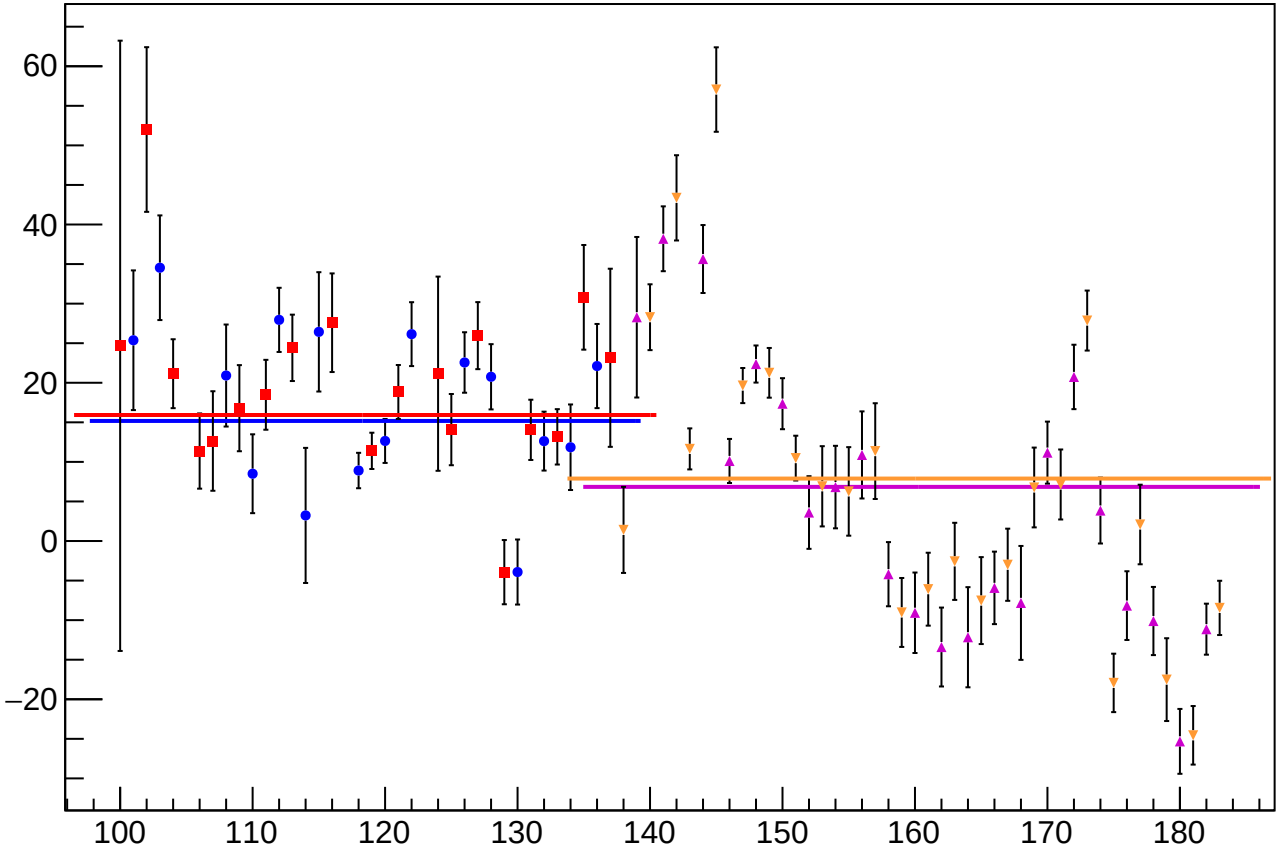
Left In: -254.708+/-1.153 χ^2/NDF:2836.1/21

\+ sign -216.383+/-0.744 χ^2/NDF: 8215.0/39

All: -218.221+/-0.526 χ^2/NDF: 15713.2/80

\- sign -220.059+/-0.744 χ^2/NDF: 7486.0/40

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 7.892+/-0.809 χ^2/NDF:446.9/23

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

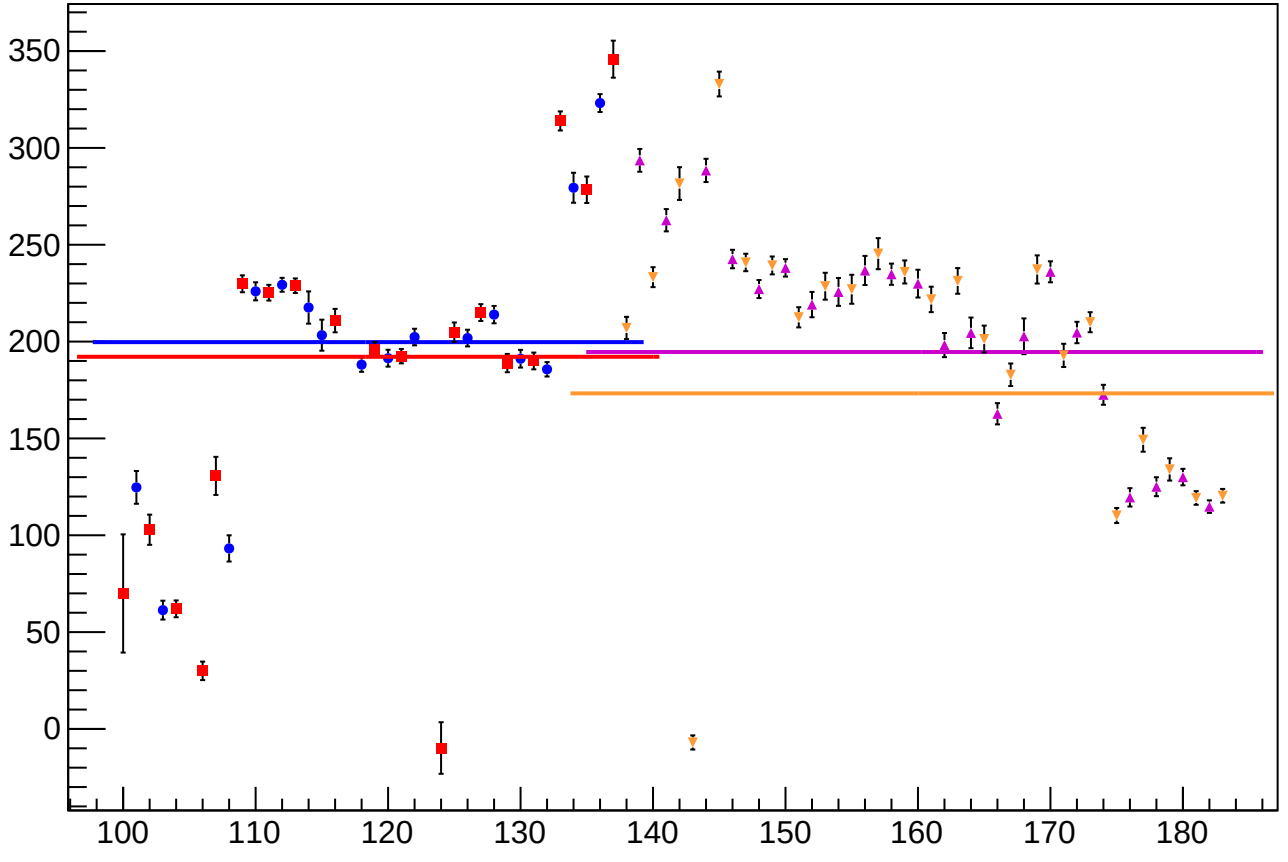
Left In: 6.842+/-0.869 χ^2/NDF:352.9/21

+ sign 10.613+/-0.640 χ^2/NDF: 549.6/39

All: 10.601+/-0.462 χ^2/NDF: 1011.1/80

- sign 10.589+/-0.666 χ^2/NDF: 461.6/40

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 173.262+/-1.078 χ^2/NDF:5249.2/23

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

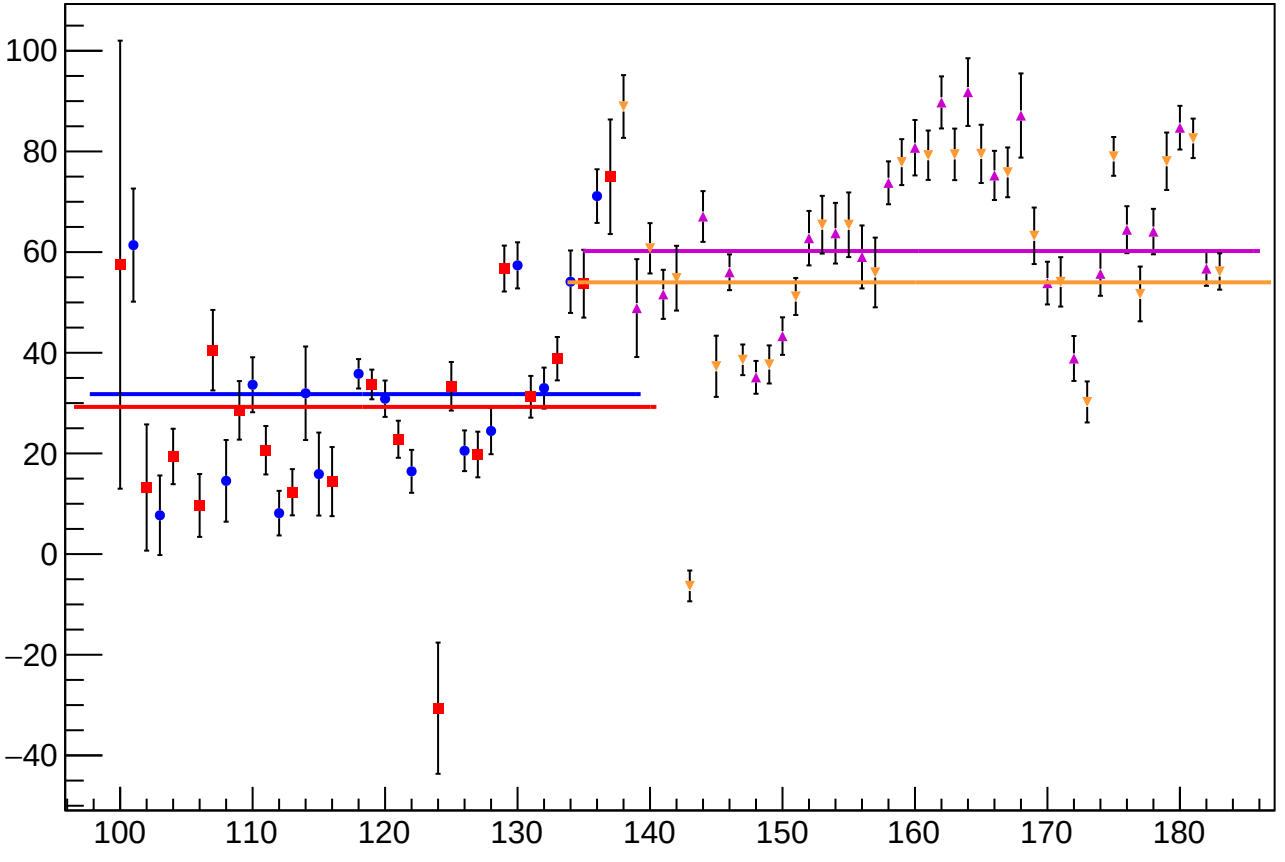
Left In: 194.617+/-1.142 χ^2/NDF:2455.9/21

+ sign 185.129+/-0.801 χ^2/NDF: 7620.9/39

All: 189.213+/-0.570 χ^2/NDF: 13908.9/80

- sign 193.396+/-0.810 χ^2/NDF: 6235.3/40

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 53.998+/-0.930 χ^2/NDF:749.7/23

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

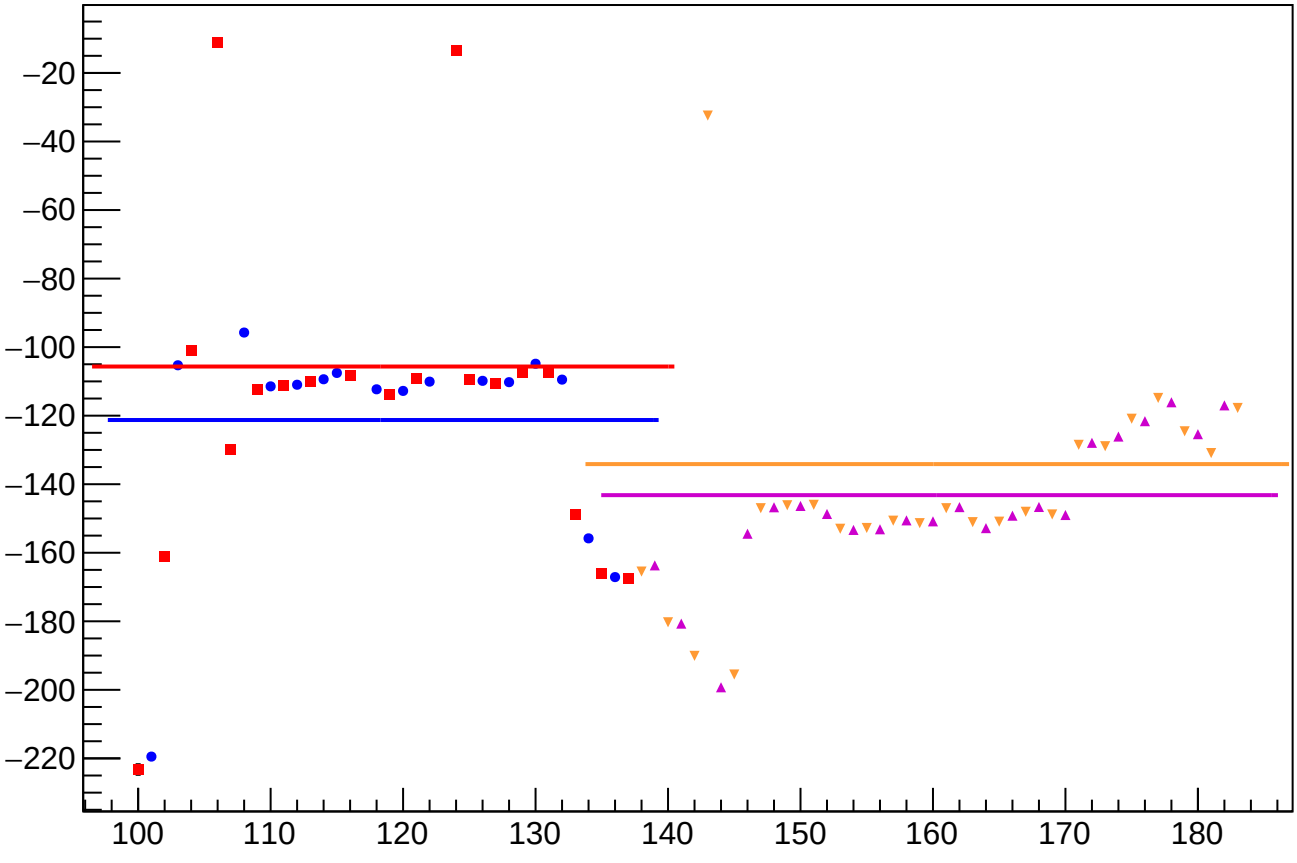
Left In: 60.216+/-0.990 χ^2/NDF:247.1/21

+ sign 45.805+/-0.739 χ^2/NDF: 1137.2/39

All: 46.685+/-0.531 χ^2/NDF: 1925.7/80

- sign 47.624+/-0.763 χ^2/NDF: 785.6/40

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -134.133+/-0.043 χ^2/NDF:672058.7/23

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

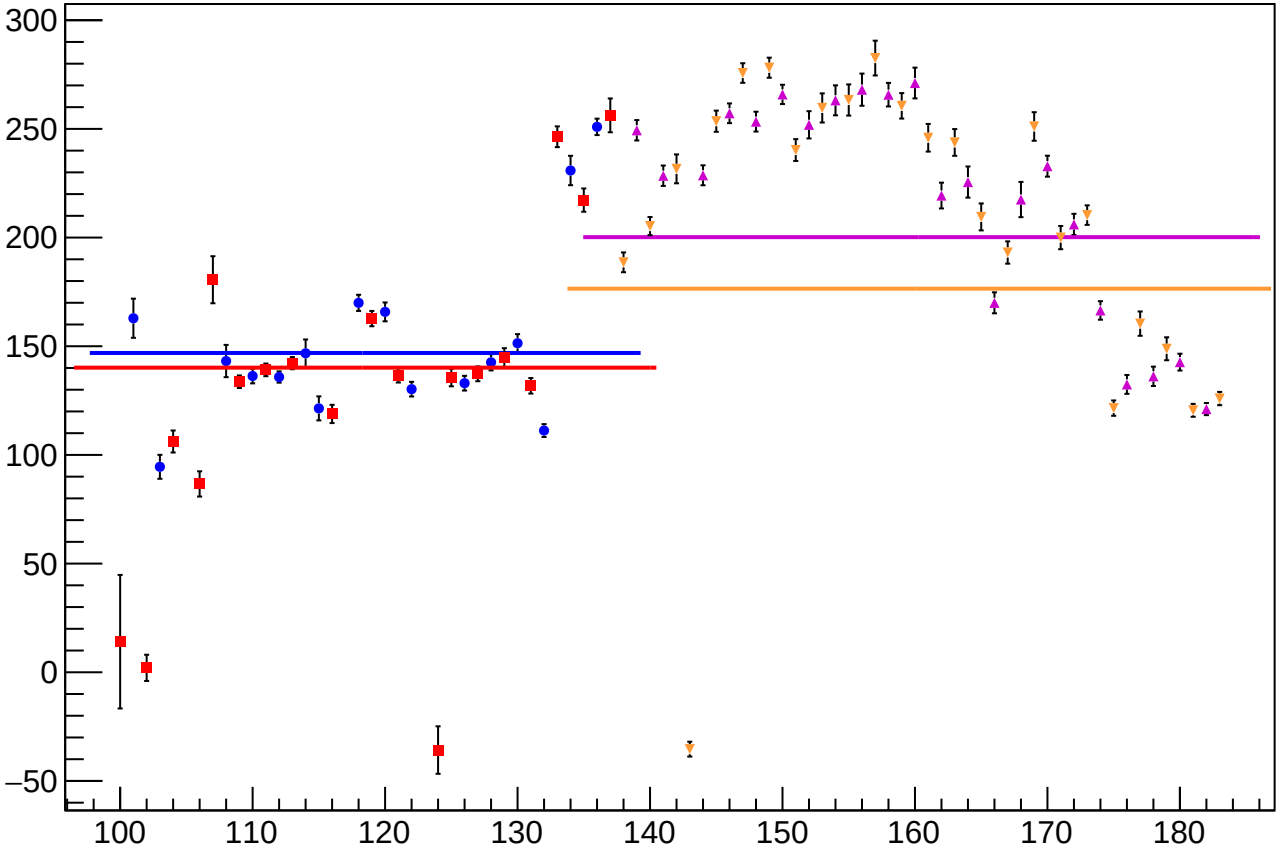
Left In: -143.192+/-0.045 χ^2/NDF:171080.0/21

+ sign -131.166+/-0.038 χ^2/NDF: 811745.9/39

All: -132.151+/-0.027 χ^2/NDF: 1524268.2/80

- sign -133.166+/-0.039 χ^2/NDF: 711160.9/40

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 176.486+/-0.967 χ^2/NDF:7416.1/23

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

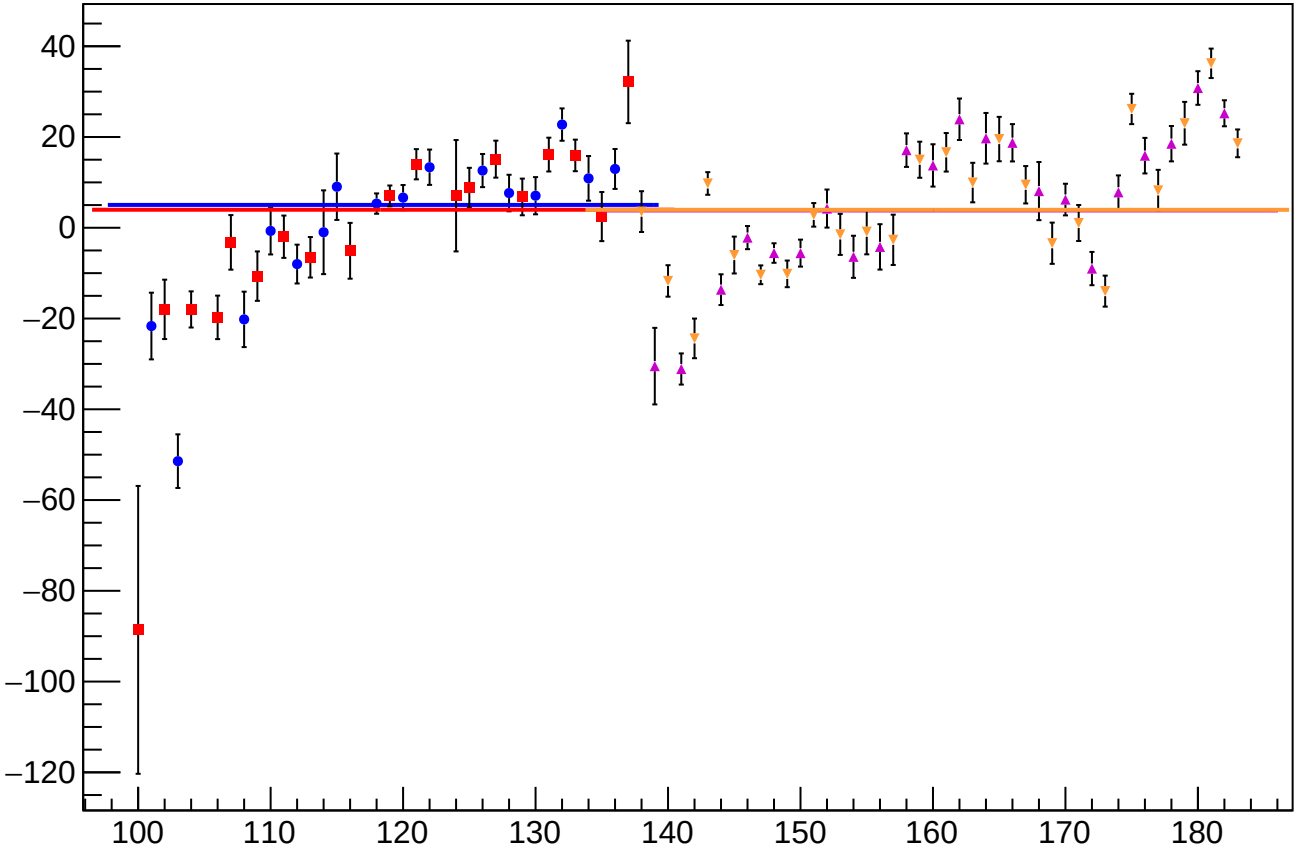
Left In: 200.191+/-1.026 χ^2/NDF:2831.6/21

\+ sign 162.240+/-0.696 χ^2/NDF: 9168.7/39

All: 165.185+/-0.494 χ^2/NDF: 15812.1/80

\- sign 168.172+/-0.701 χ^2/NDF: 6607.3/40

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 3.955+/-0.729 χ^2/NDF:393.5/23

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

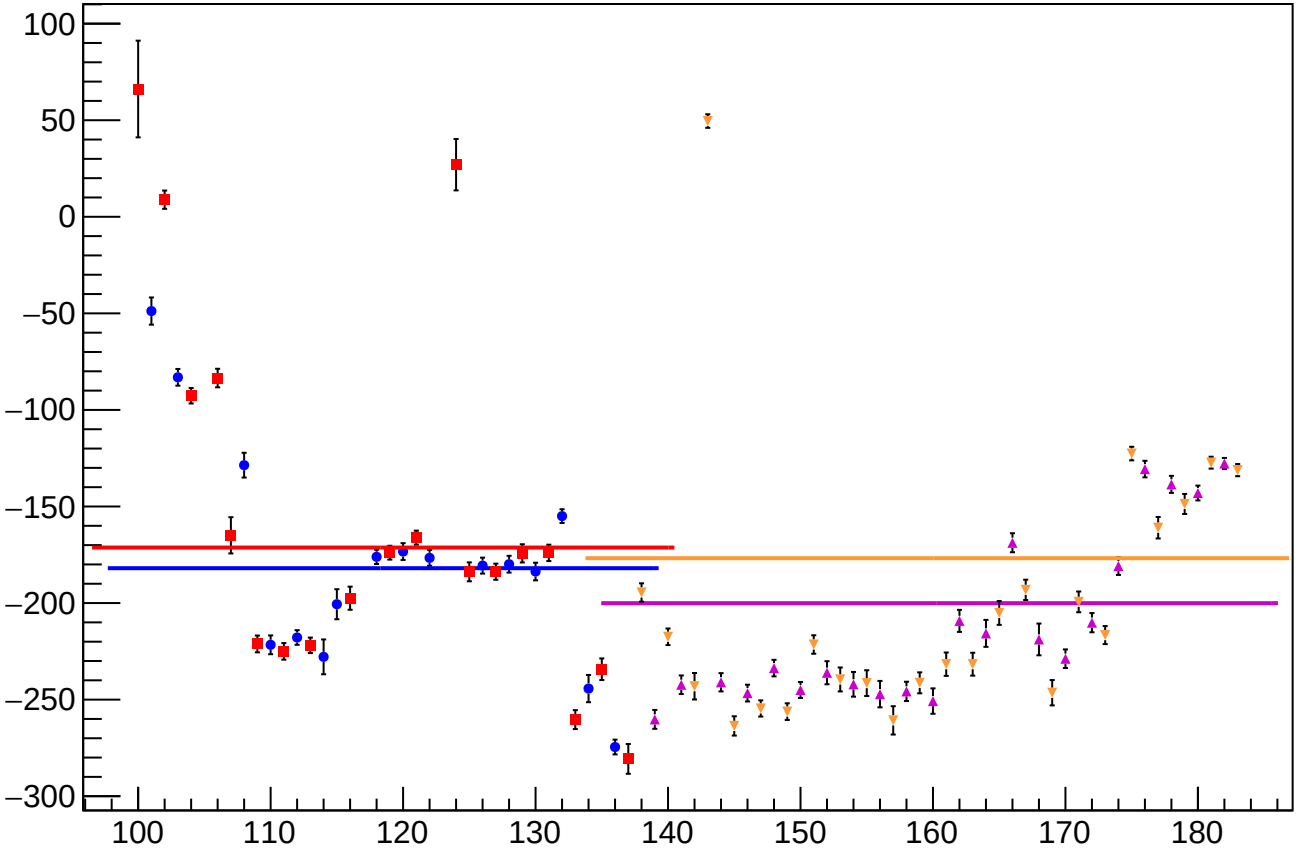
Left In: 3.816+/-0.779 χ^2/NDF:393.6/21

\+ sign 4.320+/-0.593 χ^2/NDF: 566.2/39

All: 4.106+/-0.428 χ^2/NDF: 1104.9/80

\- sign 3.875+/-0.617 χ^2/NDF: 538.5/40

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -176.772+/-0.965 χ^2/NDF:7024.6/23

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

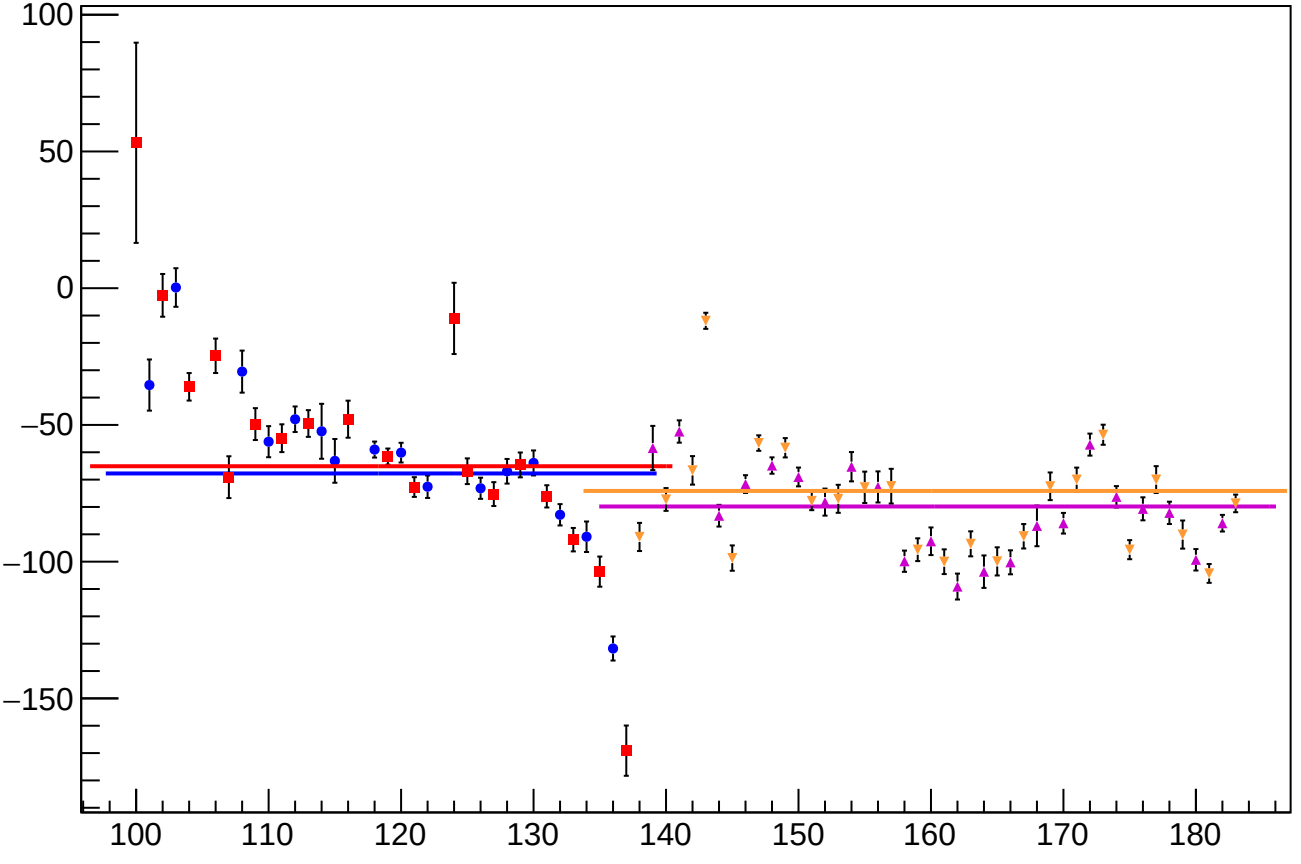
Left In: -200.055+/-1.019 χ^2/NDF:2282.3/21

+ sign -178.901+/-0.740 χ^2/NDF: 8906.9/39

All: -182.848+/-0.527 χ^2/NDF: 15240.0/80

- sign -186.908+/-0.751 χ^2/NDF: 6275.4/40

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -74.139+/-0.836 χ^2/NDF:824.6/23

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

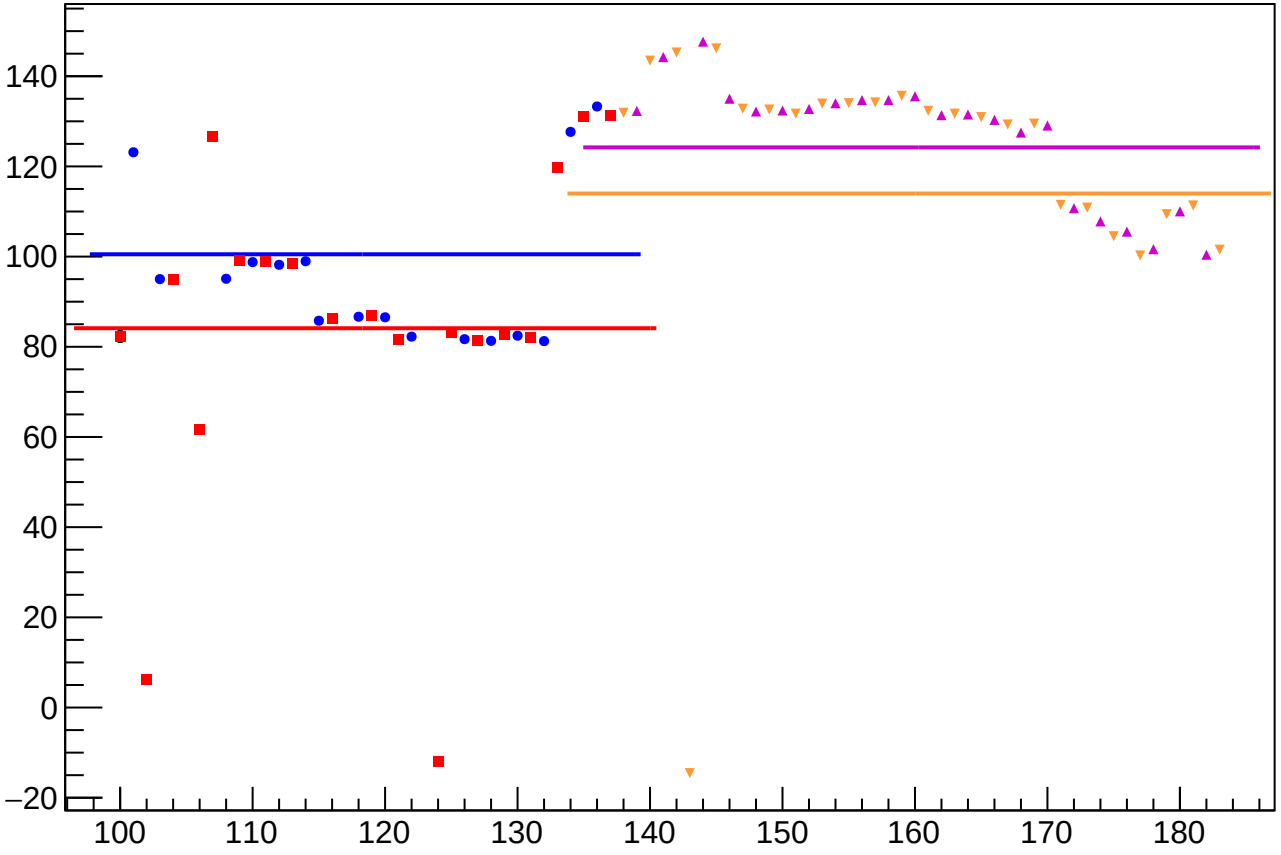
Left In: -79.827+/-0.887 χ^2/NDF:277.0/21

+ sign -72.004+/-0.683 χ^2/NDF: 1258.2/39

All: -73.179+/-0.491 χ^2/NDF: 2071.2/80

- sign -74.436+/-0.706 χ^2/NDF: 807.0/40

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 113.984+/-0.039 χ^2/NDF:960808.2/23

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

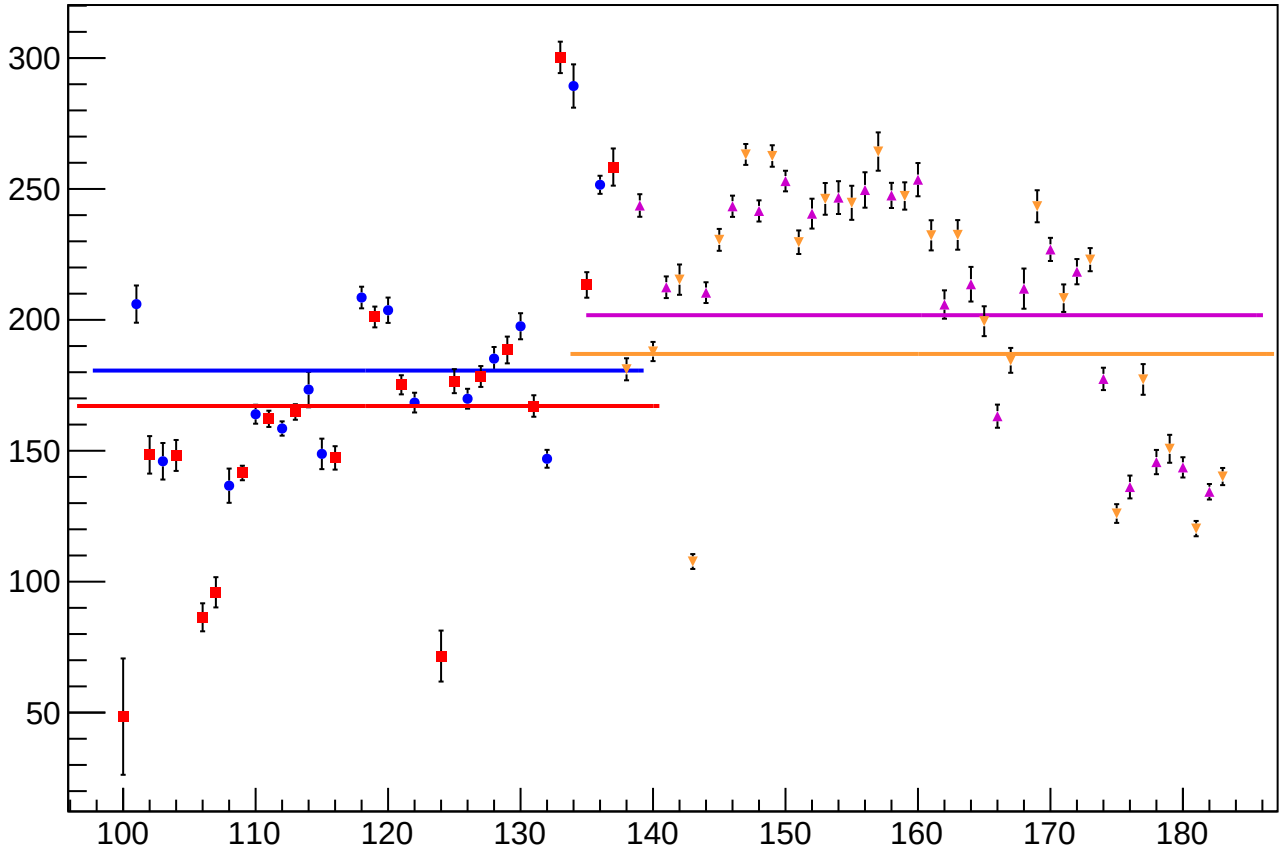
Left In: 124.217+/-0.040 χ^2/NDF:125553.2/21

+ sign 111.073+/-0.034 χ^2/NDF: 1054258.2/39

All: 112.559+/-0.024 χ^2/NDF: 1698252.2/80

- sign 114.080+/-0.035 χ^2/NDF: 640215.9/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 186.983+/-0.904 χ^2/NDF:3489.0/23

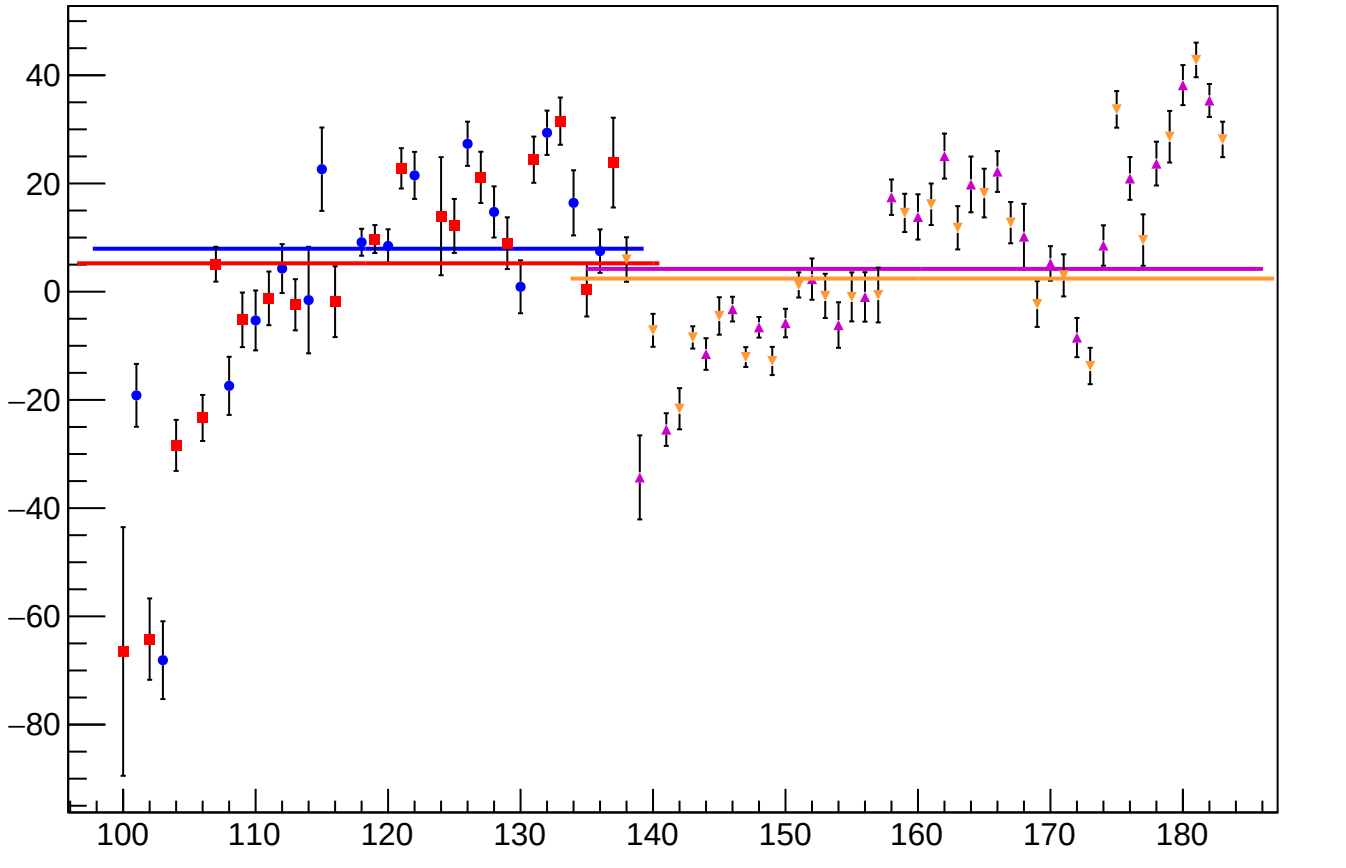
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 201.783+/-0.970 χ^2/NDF:2056.7/21

+ sign 184.393+/-0.696 χ^2/NDF: 4502.5/39

All: 184.854+/-0.495 χ^2/NDF: 8651.1/80

- sign 185.325+/-0.703 χ^2/NDF: 4147.7/40



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 2.424+/-0.668 χ^2/NDF:594.6/23

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

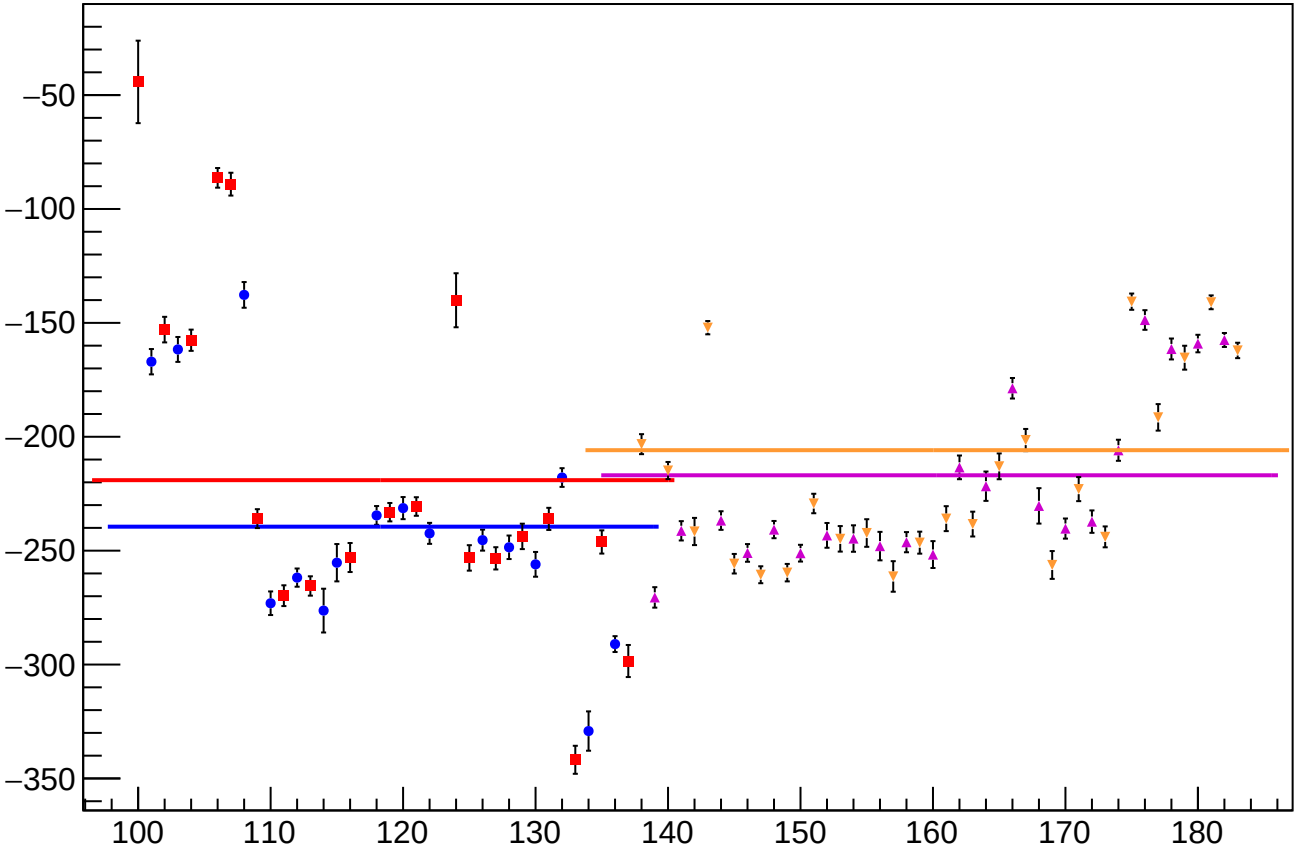
Left In: 4.210+/-0.721 χ^2/NDF:537.9/21

\+ sign 3.886+/-0.573 χ^2/NDF: 845.6/39

All: 4.198+/-0.413 χ^2/NDF: 1687.7/80

\- sign 4.536+/-0.597 χ^2/NDF: 841.5/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -205.890+/-0.901 χ^2/NDF:2421.3/23

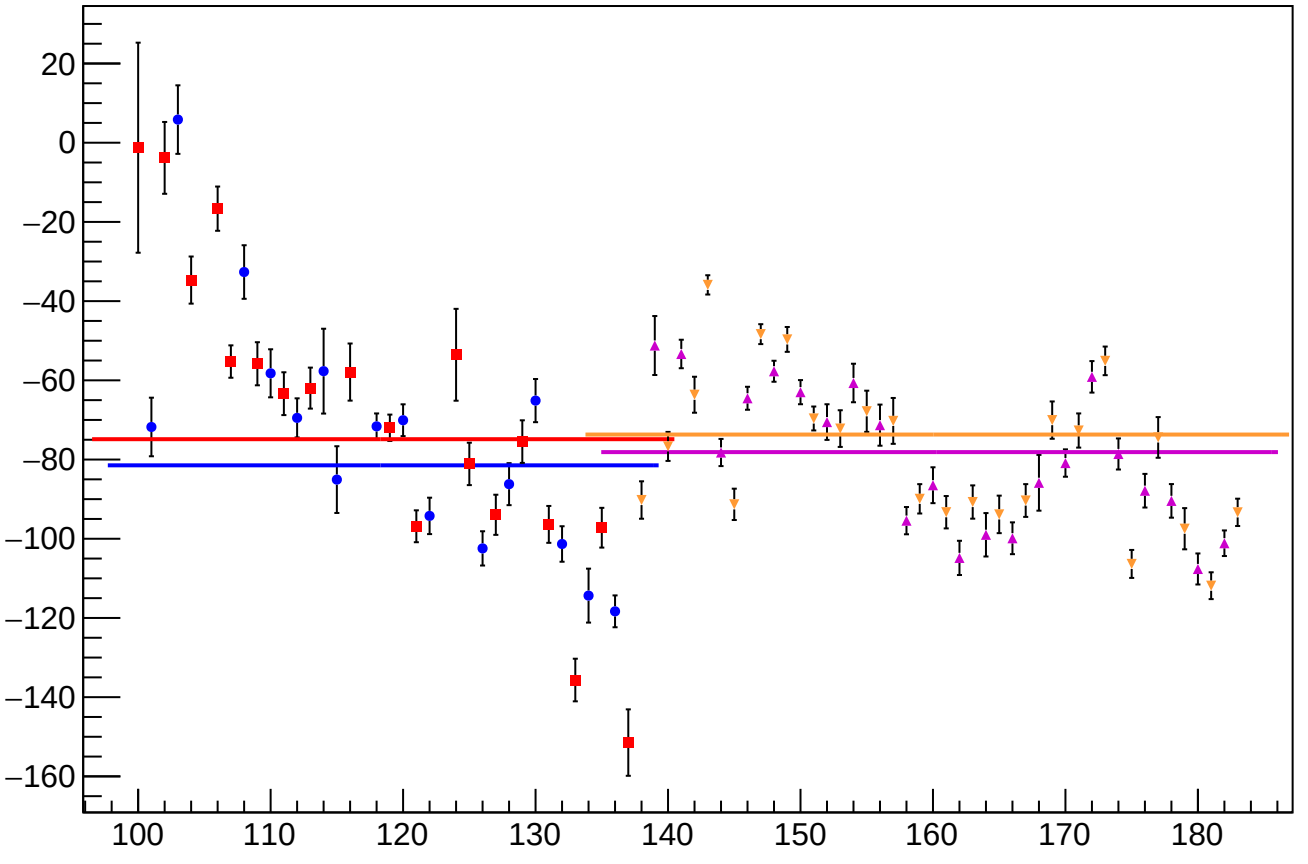
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -216.907+/-0.960 χ^2/NDF:1676.1/21

+ sign -217.427+/-0.730 χ^2/NDF: 4060.7/39

All: -217.593+/-0.521 χ^2/NDF: 8788.2/80

- sign -217.765+/-0.744 χ^2/NDF: 4727.4/40



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -73.689+/-0.772 χ^2/NDF:828.0/23

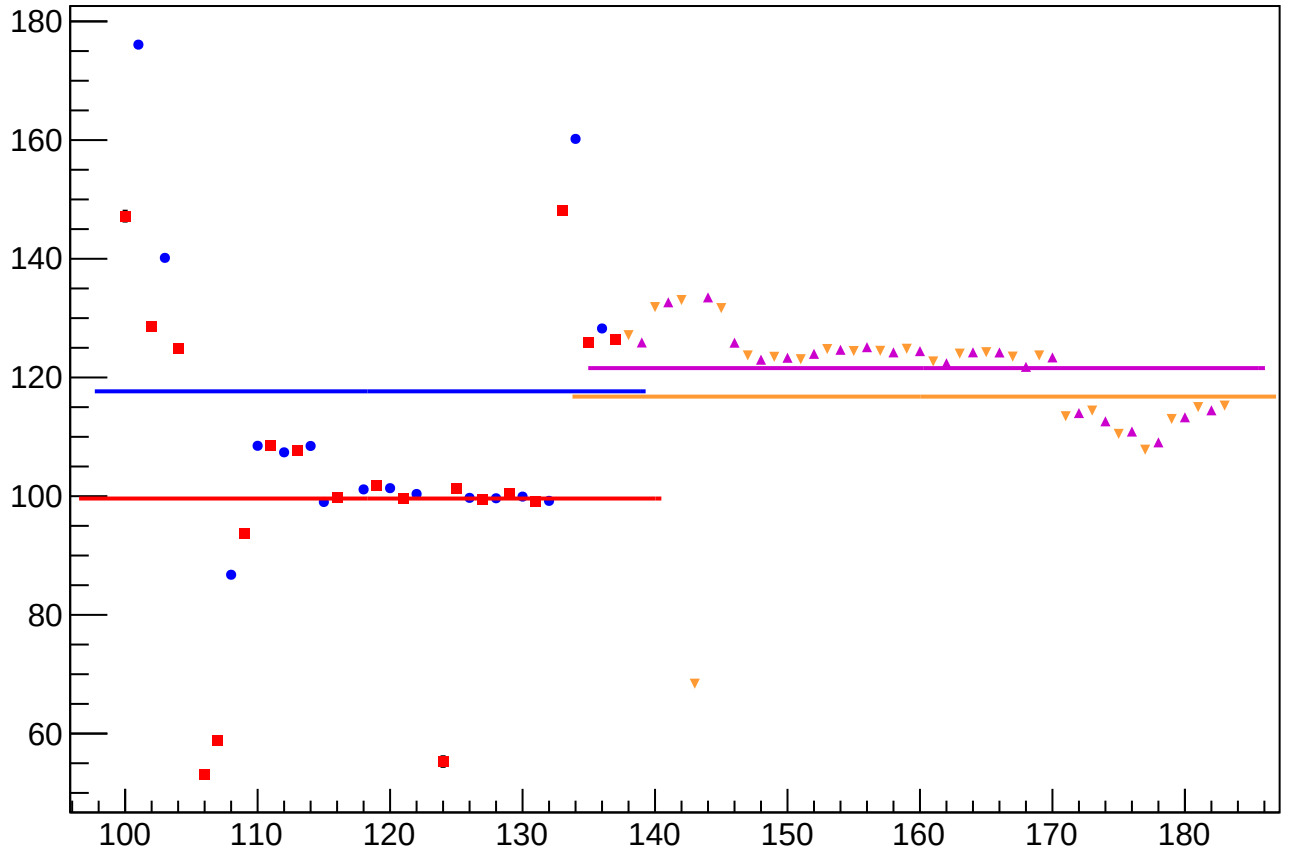
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.123+/-0.827 χ^2/NDF:440.4/21

+ sign -75.747+/-0.662 χ^2/NDF: 1221.3/39

All: -76.403+/-0.476 χ^2/NDF: 2245.3/80

- sign -77.108+/-0.686 χ^2/NDF: 1021.9/40



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.778+/-0.036 χ^2/NDF:203594.7/23

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

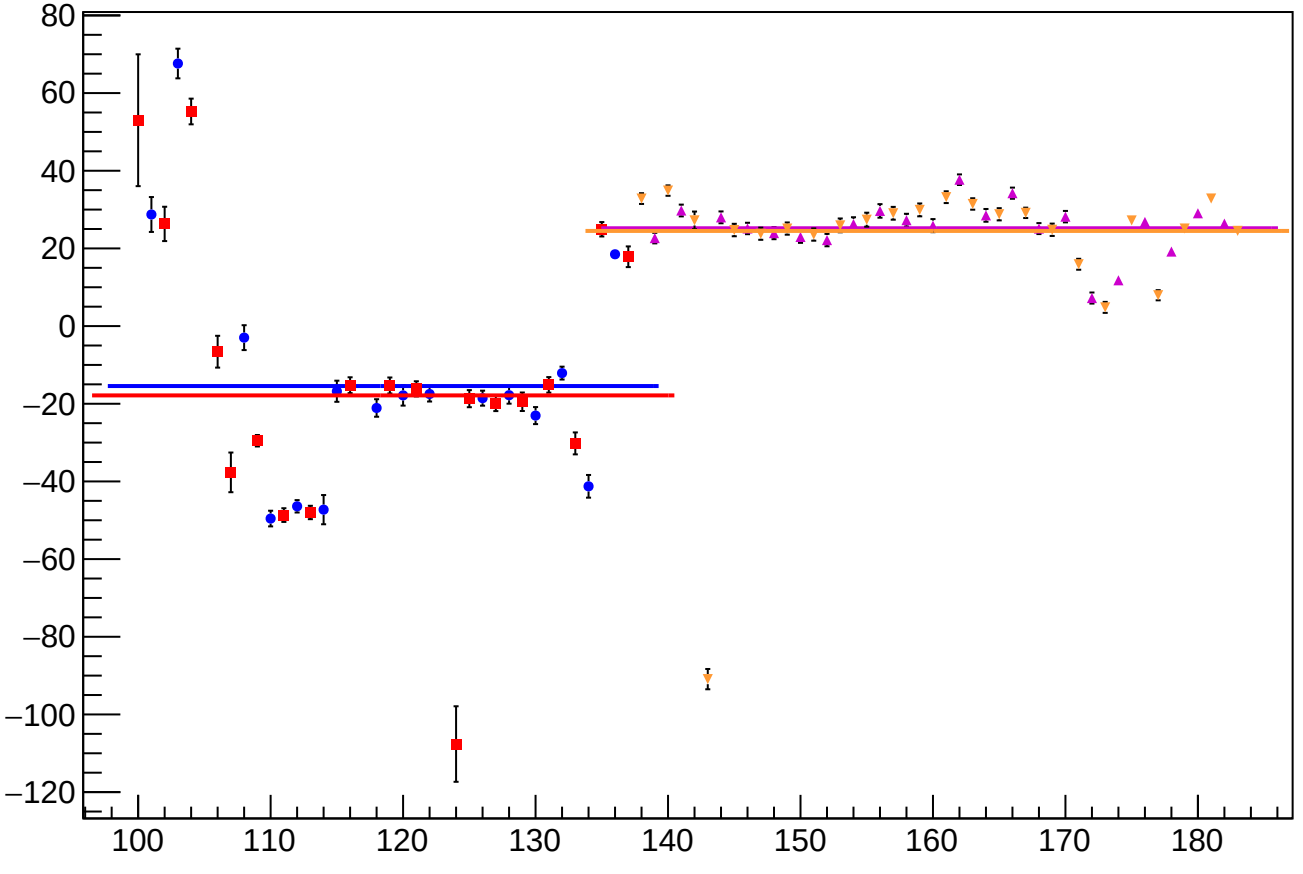
Left In: 121.580+/-0.038 χ^2/NDF:28348.2/21

\+ sign 116.934+/-0.033 χ^2/NDF: 299098.0/39

All: 116.801+/-0.023 χ^2/NDF: 569573.7/80

\- sign 116.665+/-0.033 χ^2/NDF: 270442.6/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.504+/-0.284 χ^2/NDF:2634.5/23

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

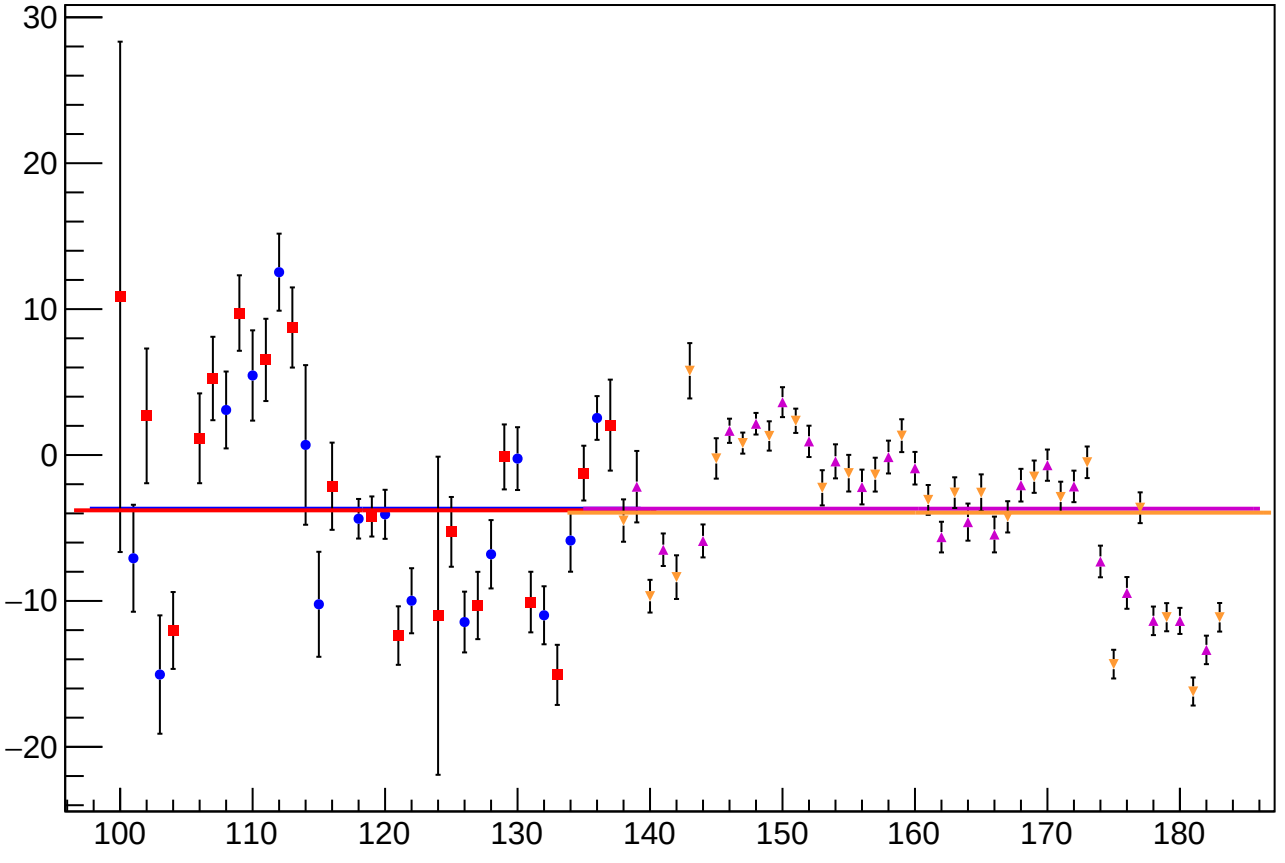
Left In: 25.190+/-0.291 χ^2/NDF:491.0/21

+ sign 15.805+/-0.252 χ^2/NDF: 9053.4/39

All: 15.503+/-0.179 χ^2/NDF: 16741.9/80

- sign 15.192+/-0.255 χ^2/NDF: 7685.5/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -3.949+/-0.219 χ^2/NDF:633.2/23

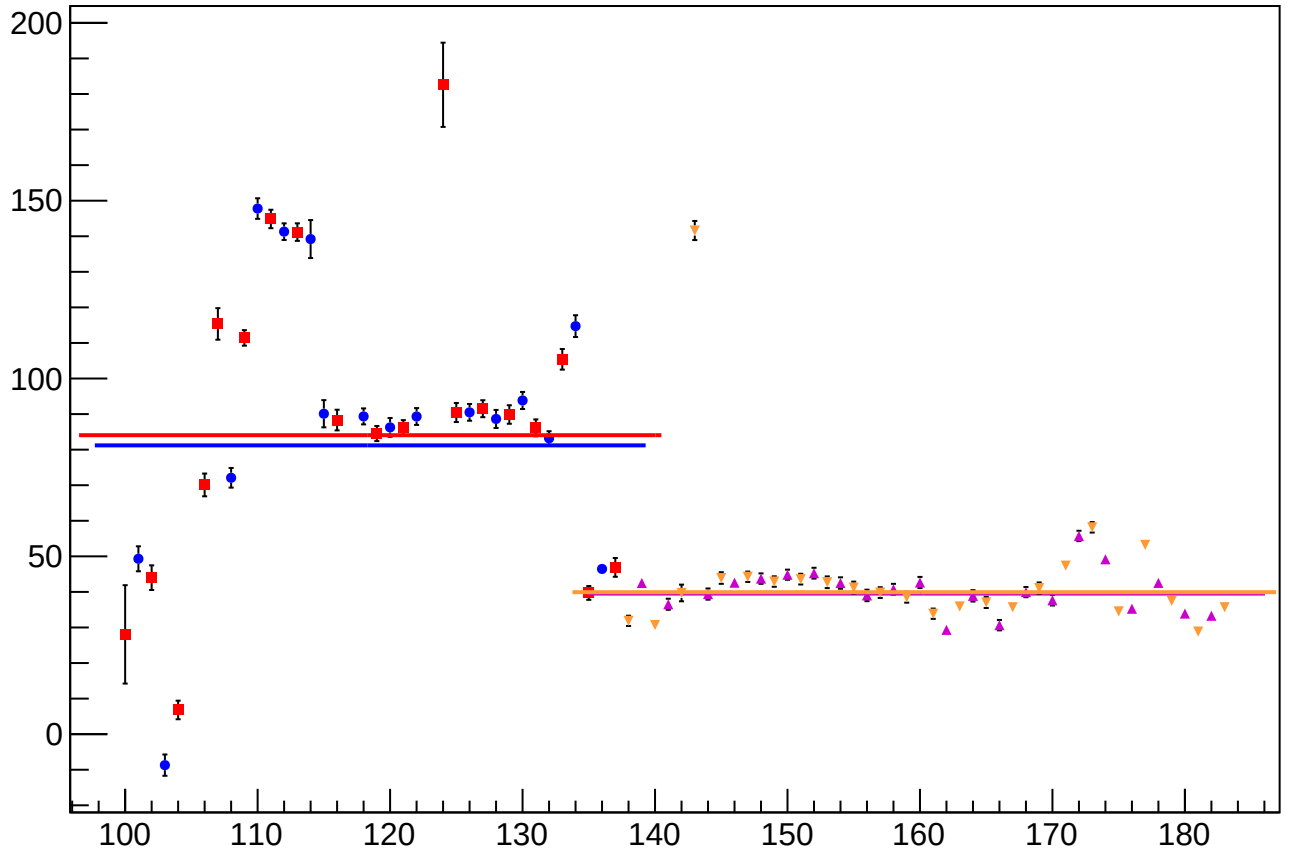
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -3.680+/-0.226 χ^2/NDF:499.3/21

+ sign -3.912+/-0.204 χ^2/NDF: 757.3/39

All: -3.807+/-0.146 χ^2/NDF: 1418.4/80

- sign -3.695+/-0.210 χ^2/NDF: 660.5/40



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 39.927+/-0.282 χ^2/NDF:2061.8/23

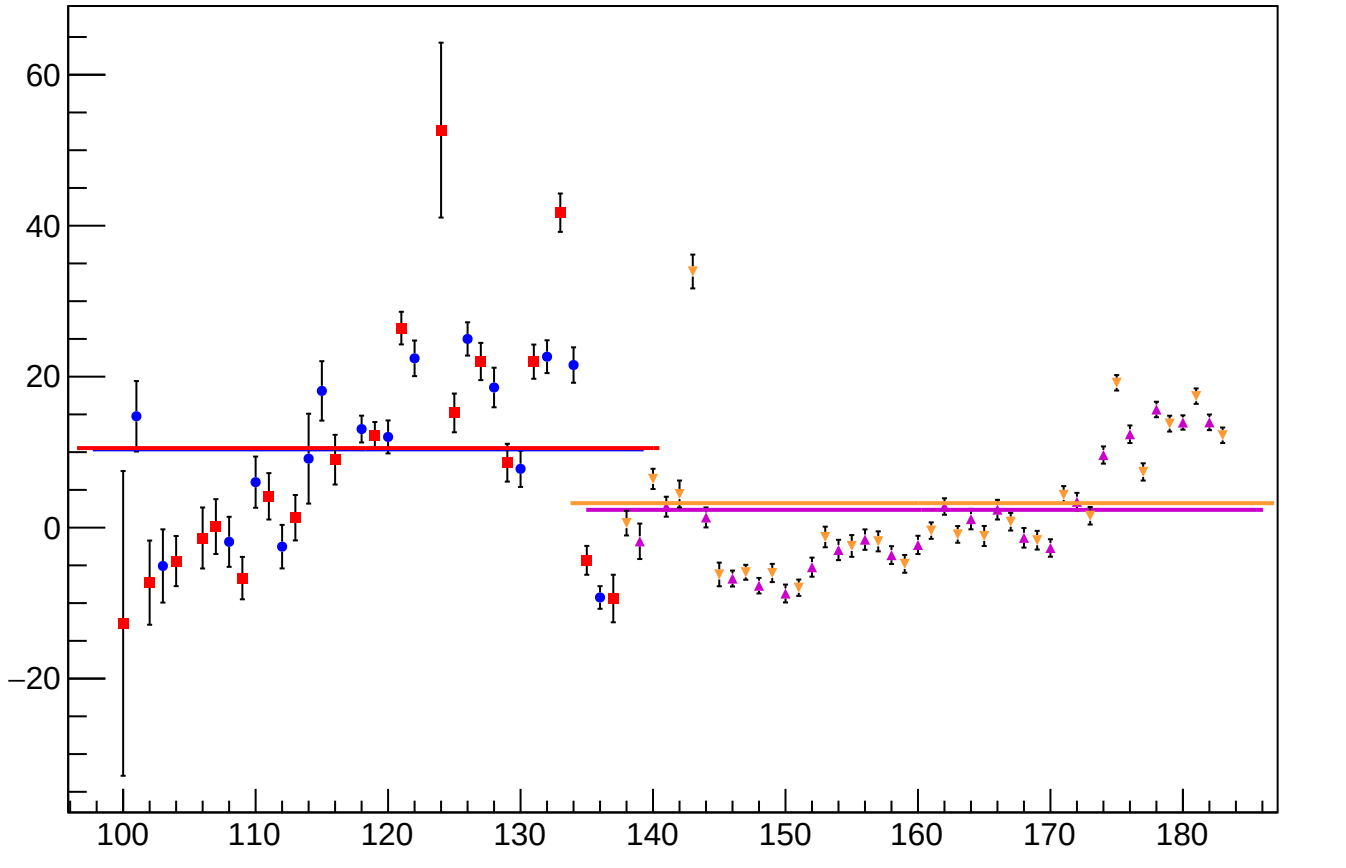
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

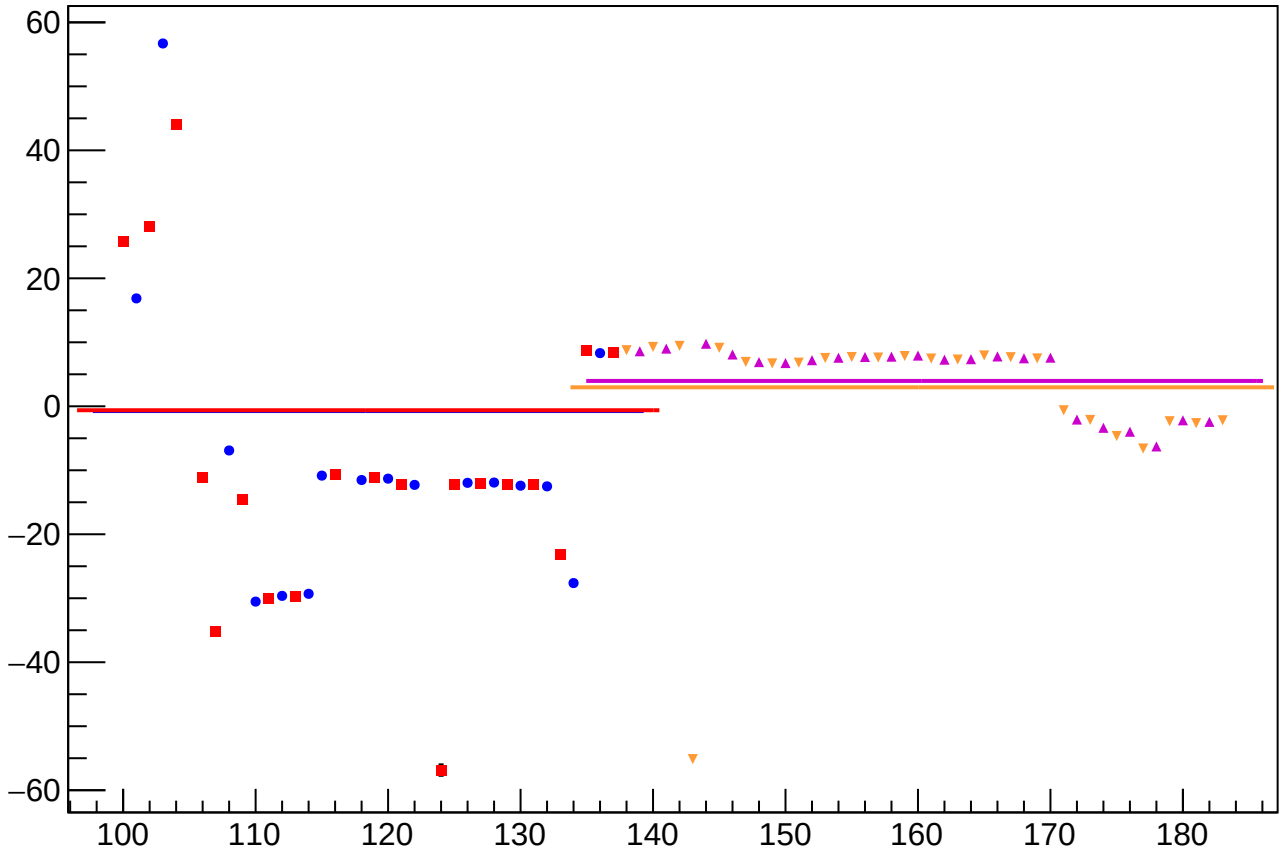
Left In: 39.529+/-0.288 χ^2/NDF:431.8/21

\+ sign 47.269+/-0.256 χ^2/NDF: 9093.0/39

All: 47.399+/-0.183 χ^2/NDF: 17015.6/80

\- sign 47.534+/-0.261 χ^2/NDF: 7922.0/40


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 3.242+/-0.247 χ²/NDF:1256.4/23
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: 2.355+/-0.254 χ²/NDF:948.1/21
+ sign 4.203+/-0.230 χ²/NDF: 1728.0/39
All: 3.844+/-0.165 χ²/NDF: 3293.1/80
- sign 3.466+/-0.236 χ²/NDF: 1560.1/40



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.967+/-0.011 χ^2/NDF:508613.2/23

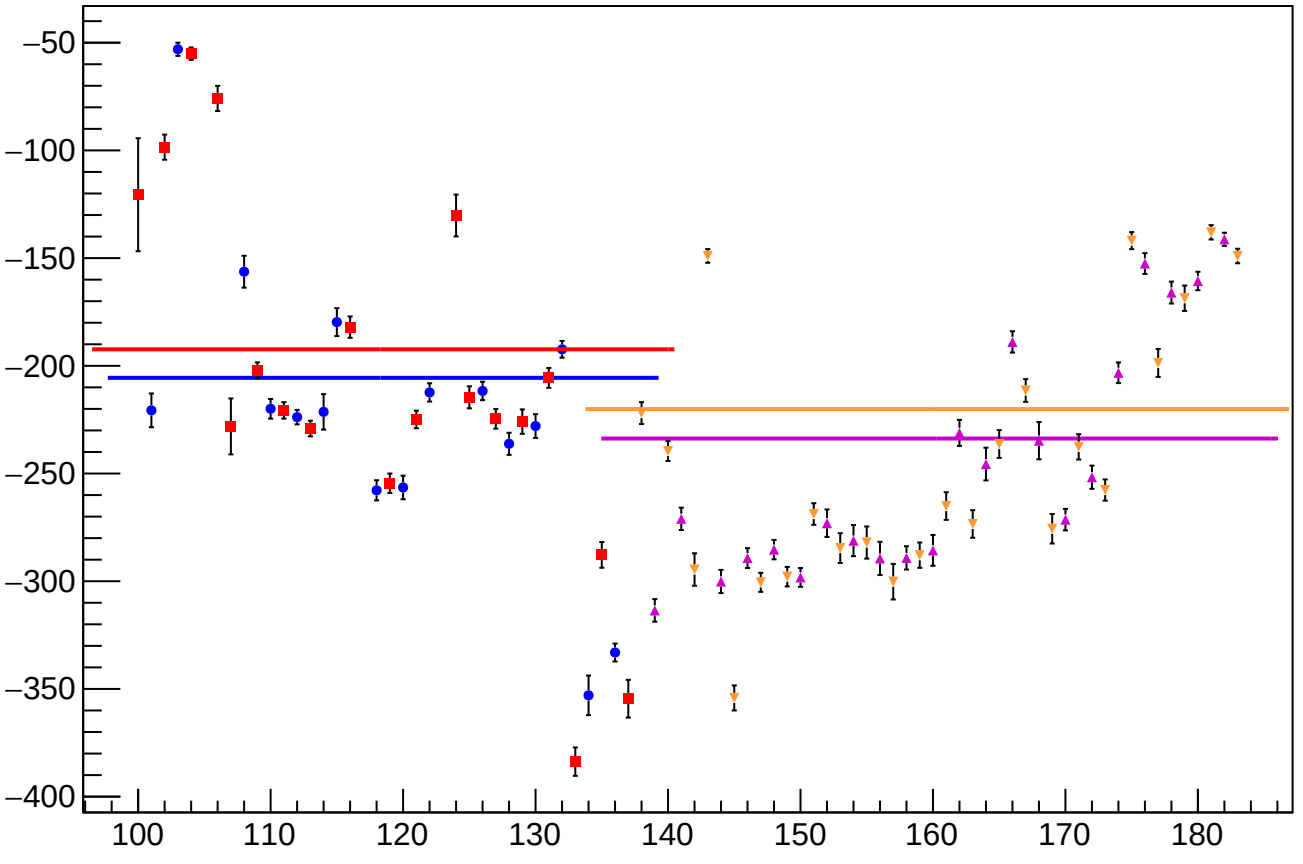
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 3.963+/-0.011 χ^2/NDF:226332.8/21

+ sign 2.643+/-0.011 χ^2/NDF: 886374.6/39

All: 3.107+/-0.008 χ^2/NDF: 1446891.3/80

- sign 3.583+/-0.011 χ^2/NDF: 556636.0/40



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -220.088+/-1.028 χ^2/NDF:4031.3/23

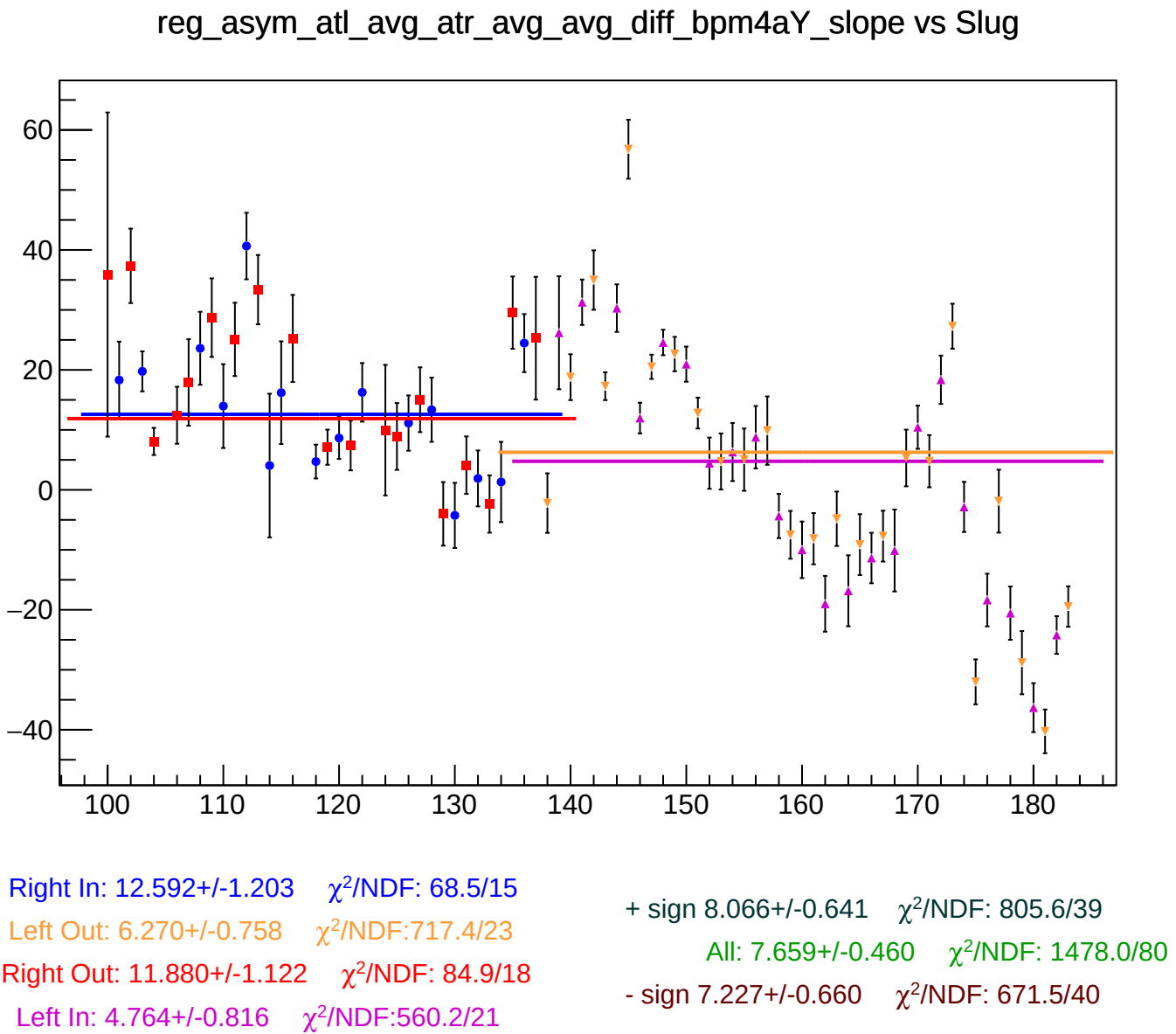
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

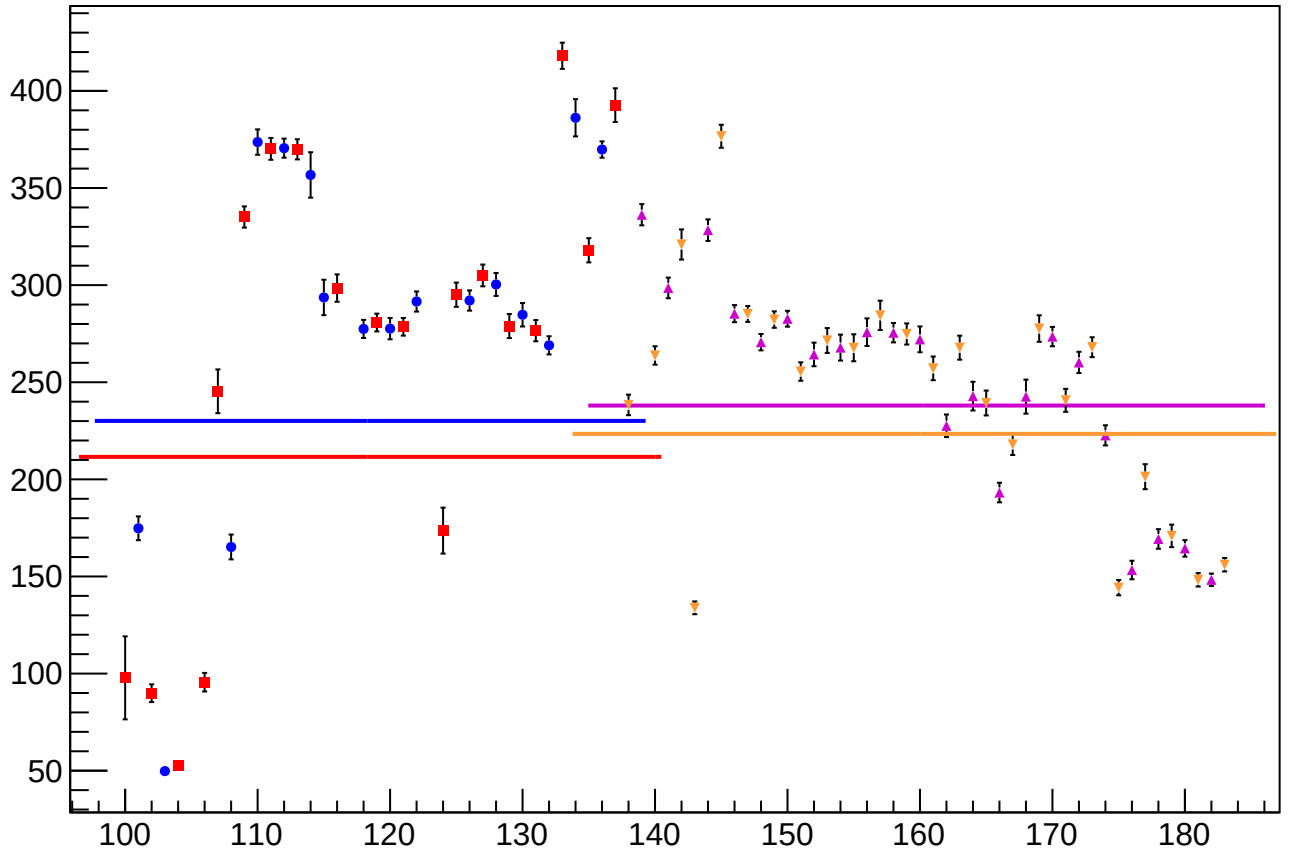
Left In: -233.760+/-1.097 χ^2/NDF:3077.0/21

+ sign -213.858+/-0.776 χ^2/NDF: 8173.0/39

All: -213.698+/-0.552 χ^2/NDF: 16916.4/80

- sign -213.535+/-0.784 χ^2/NDF: 8743.4/40


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 6.270+/-0.758 χ²/NDF:717.4/23
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 4.764+/-0.816 χ²/NDF:560.2/21
+ sign 8.066+/-0.641 χ²/NDF: 805.6/39
All: 7.659+/-0.460 χ²/NDF: 1478.0/80
- sign 7.227+/-0.660 χ²/NDF: 671.5/40



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 223.420+/-1.022 χ^2/NDF:3938.6/23

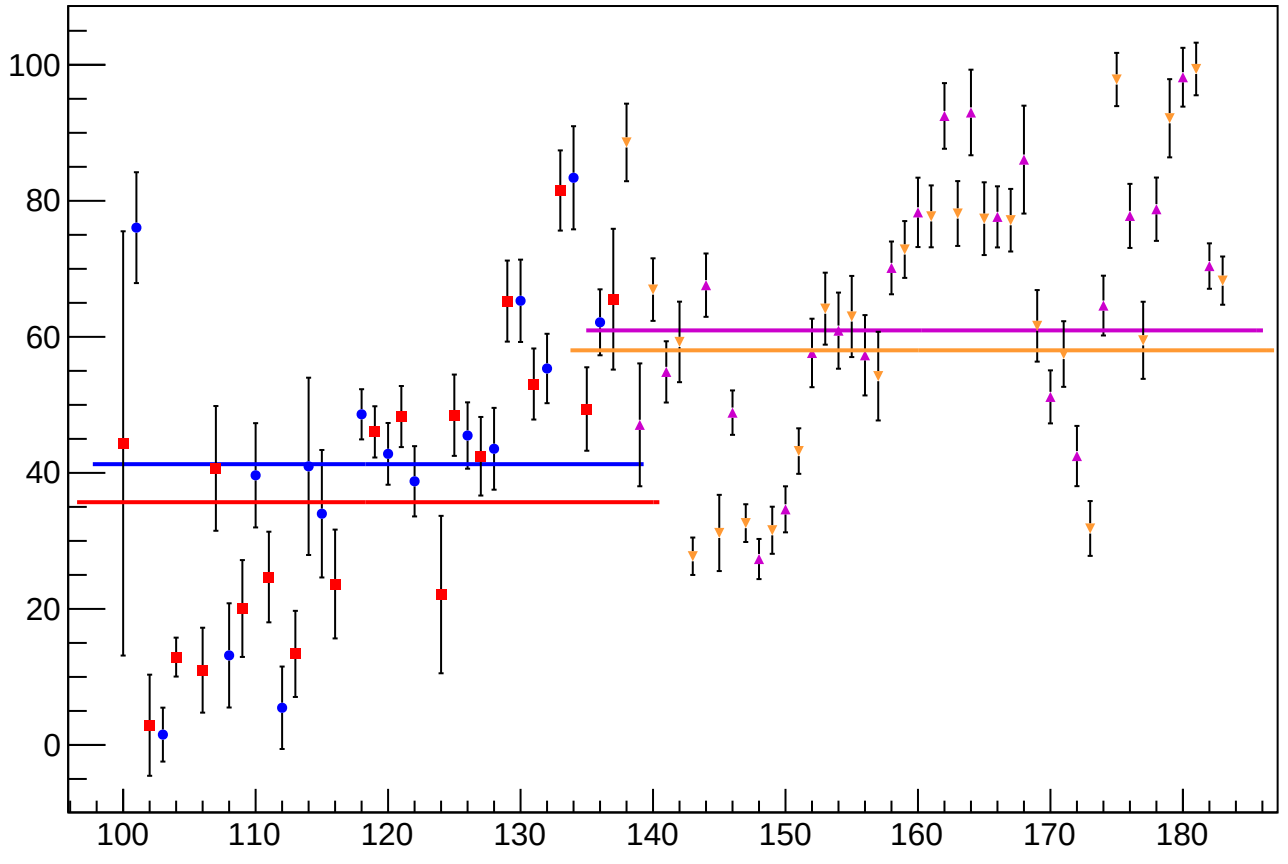
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 237.999+/-1.084 χ^2/NDF:2921.5/21

+ sign 226.071+/-0.794 χ^2/NDF: 13331.2/39

All: 226.073+/-0.565 χ^2/NDF: 27992.7/80

- sign 226.076+/-0.803 χ^2/NDF: 14661.5/40



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 58.021+/-0.875 χ^2/NDF:724.6/23

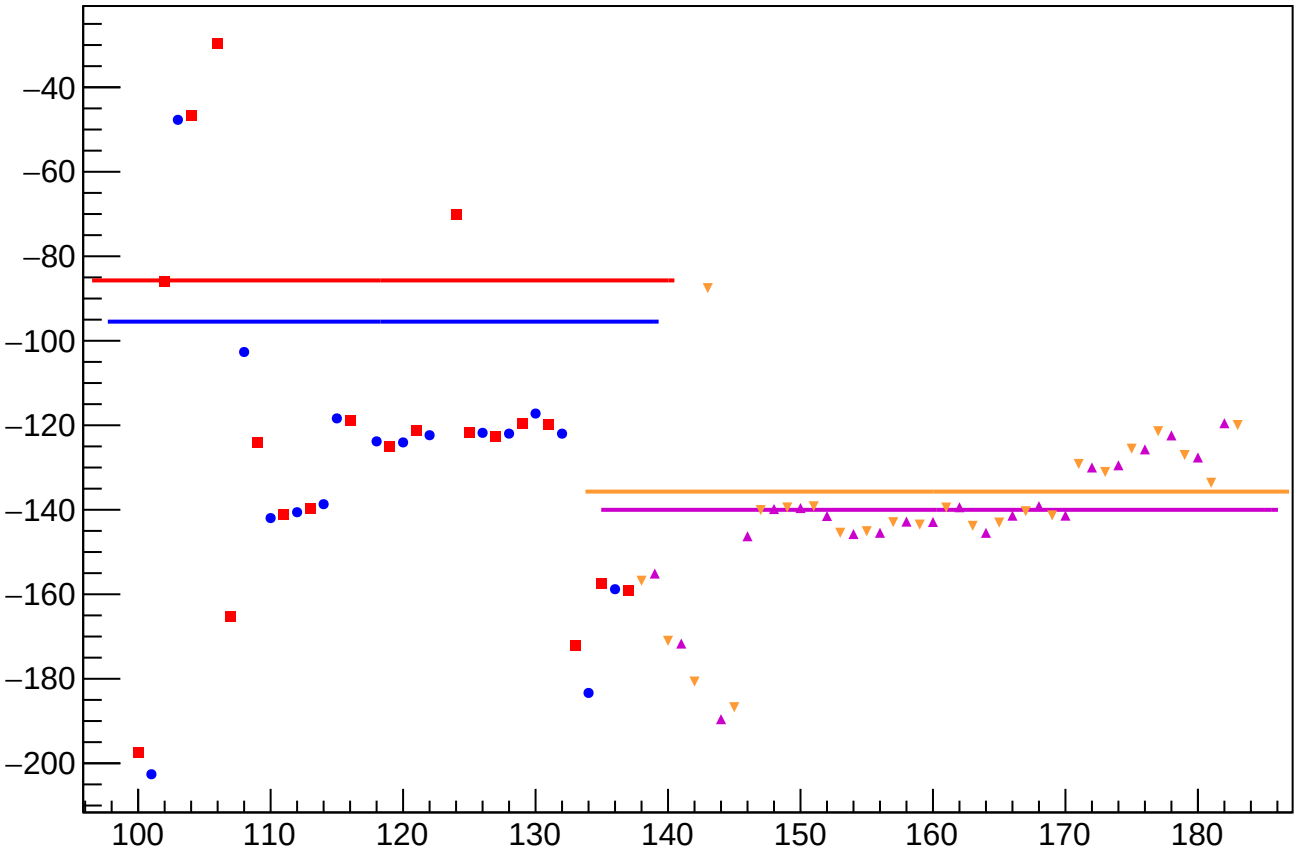
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 60.951+/-0.935 χ^2/NDF:454.5/21

+ sign 53.306+/-0.742 χ^2/NDF: 1073.4/39

All: 52.910+/-0.532 χ^2/NDF: 2026.3/80

- sign 52.491+/-0.762 χ^2/NDF: 952.3/40



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -135.695+/-0.041 χ^2/NDF:258954.6/23

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

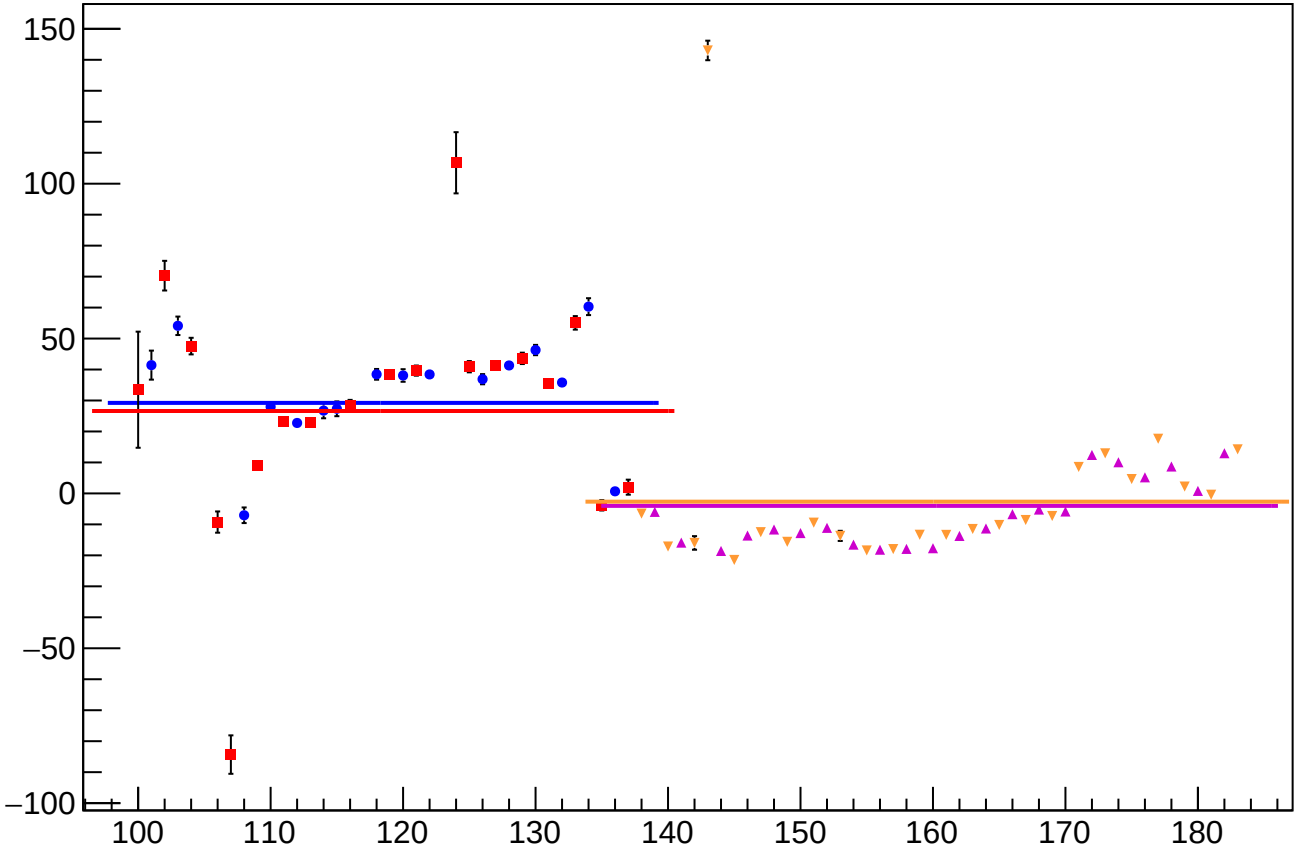
Left In: -140.010+/-0.043 χ^2/NDF:110073.6/21

+ sign -125.280+/-0.035 χ^2/NDF: 1027526.7/39

All: -124.800+/-0.025 χ^2/NDF: 2087960.2/80

- sign -124.301+/-0.036 χ^2/NDF: 1060056.9/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.663+/-0.269 χ^2/NDF:3894.0/23

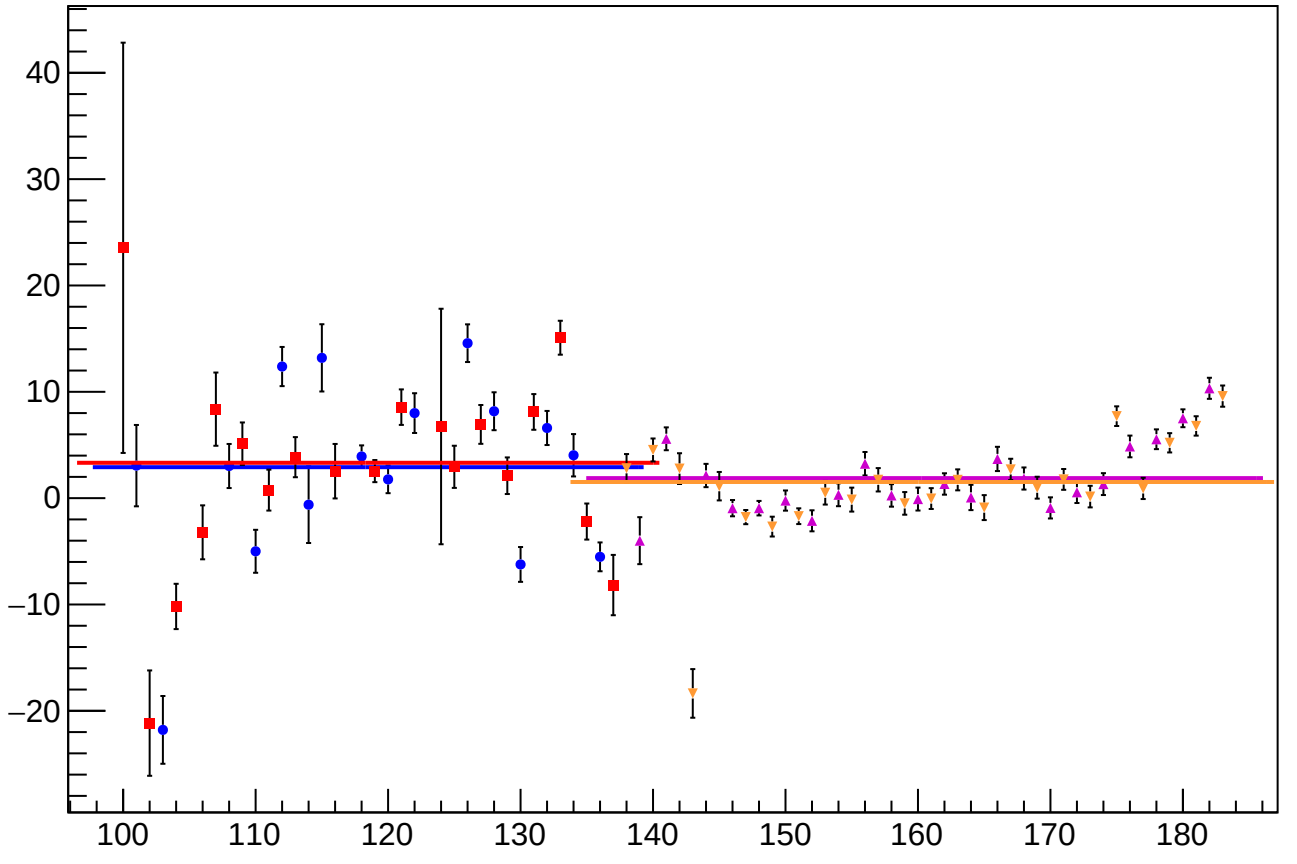
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -4.019+/-0.275 χ^2/NDF:1538.9/21

+ sign 6.470+/-0.227 χ^2/NDF: 9269.1/39

All: 5.909+/-0.161 χ^2/NDF: 16540.1/80

- sign 5.339+/-0.229 χ^2/NDF: 7258.8/40



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.521+/-0.206 χ^2/NDF:326.5/23

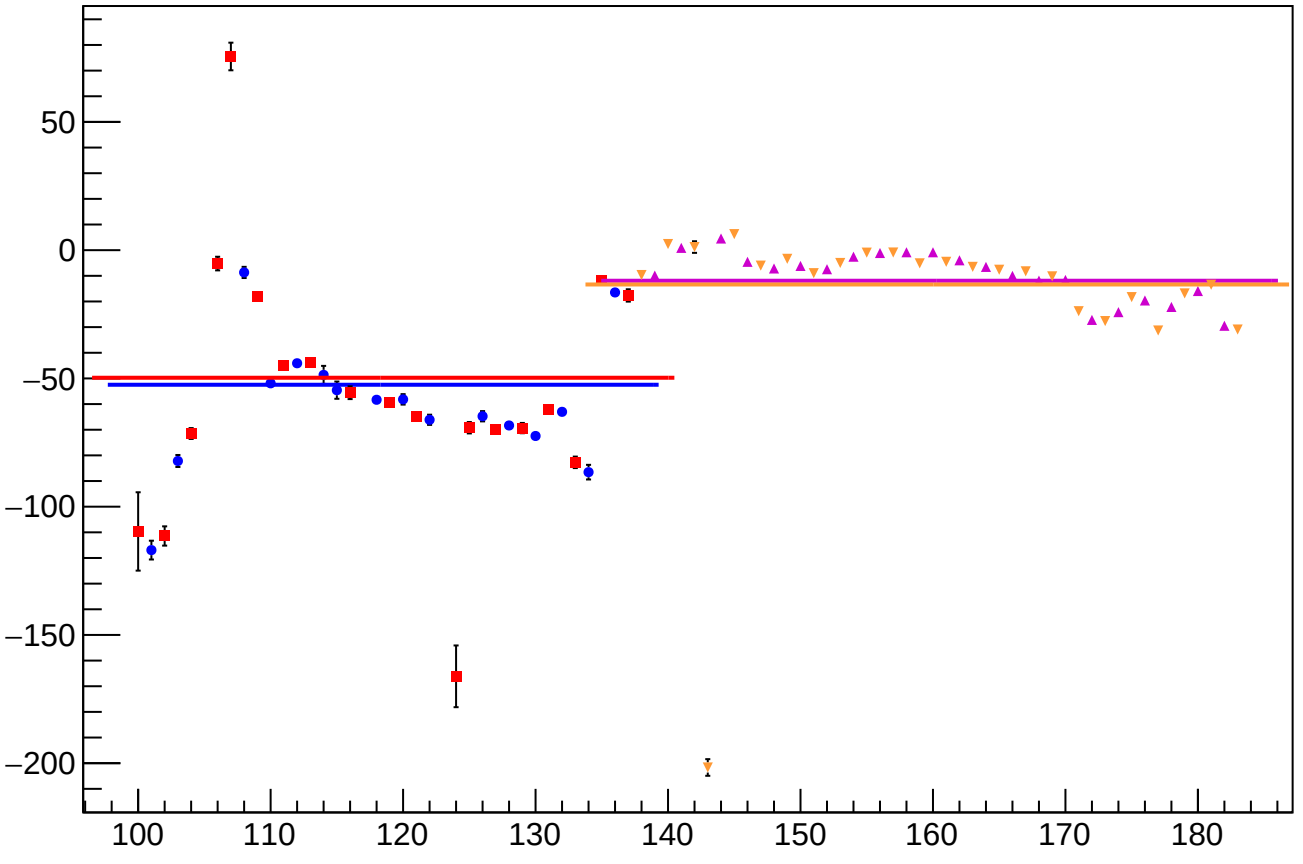
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.884+/-0.212 χ^2/NDF:237.3/21

+ sign 1.769+/-0.187 χ^2/NDF: 584.6/39

All: 1.951+/-0.134 χ^2/NDF: 1014.0/80

- sign 2.143+/-0.192 χ^2/NDF: 427.4/40



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.375+/-0.267 χ^2/NDF:4832.3/23

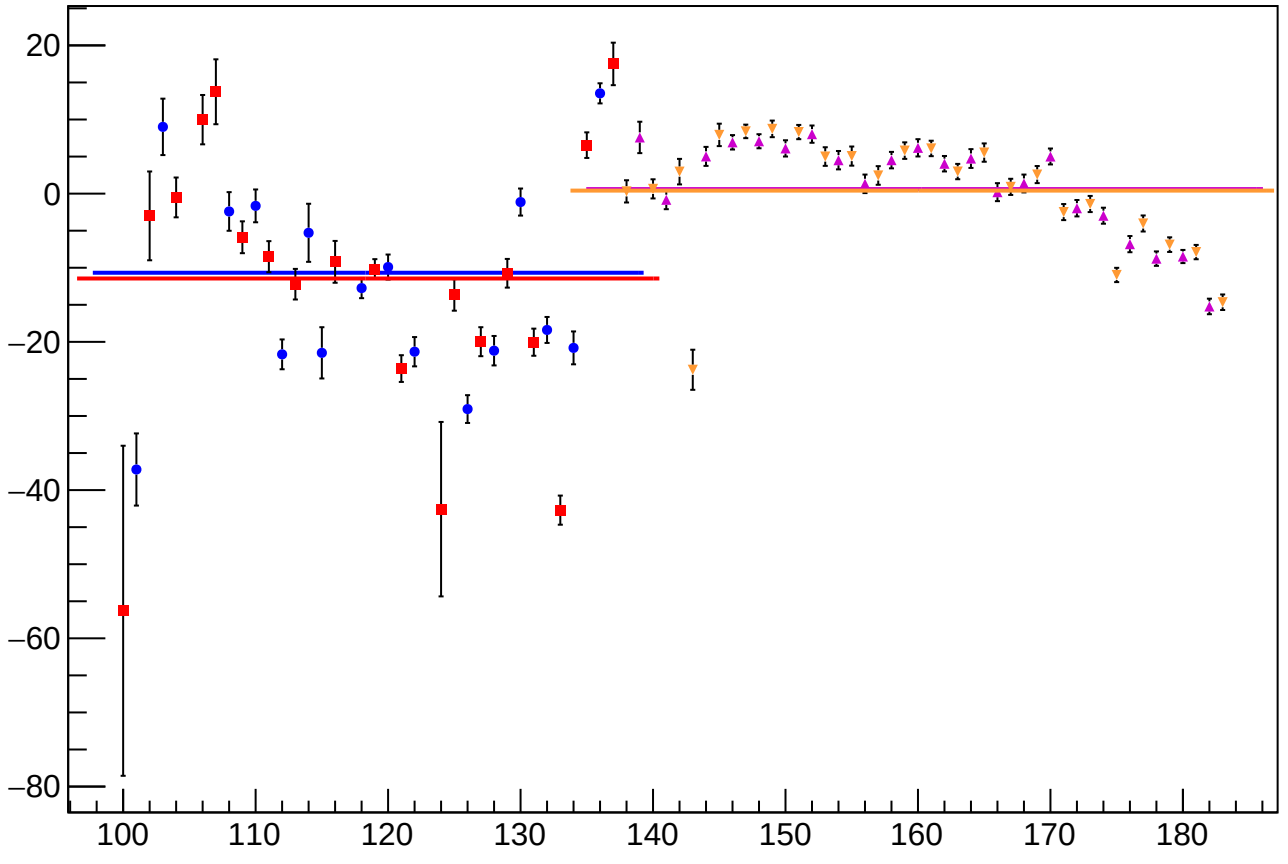
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -11.919+/-0.272 χ^2/NDF:1230.2/21

+ sign -22.362+/-0.234 χ^2/NDF: 12108.7/39

All: -21.548+/-0.167 χ^2/NDF: 20871.1/80

- sign -20.703+/-0.238 χ^2/NDF: 8737.7/40



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.408+/-0.233 χ^2/NDF:916.3/23

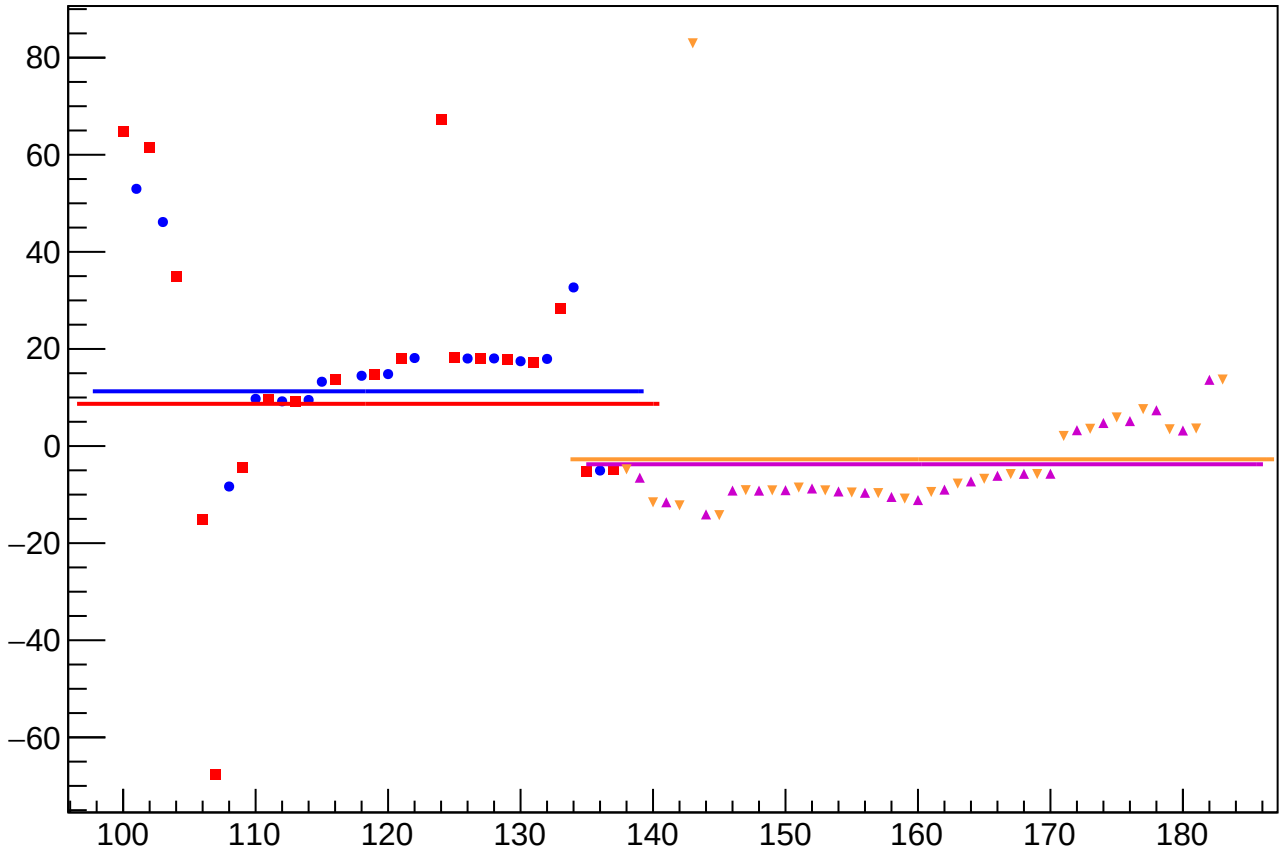
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.614+/-0.239 χ^2/NDF:749.9/21

+ sign -1.532+/-0.212 χ^2/NDF: 1979.3/39

All: -1.523+/-0.151 χ^2/NDF: 3845.1/80

- sign -1.513+/-0.217 χ^2/NDF: 1865.8/40



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.726+/-0.010 χ^2/NDF:923022.1/23

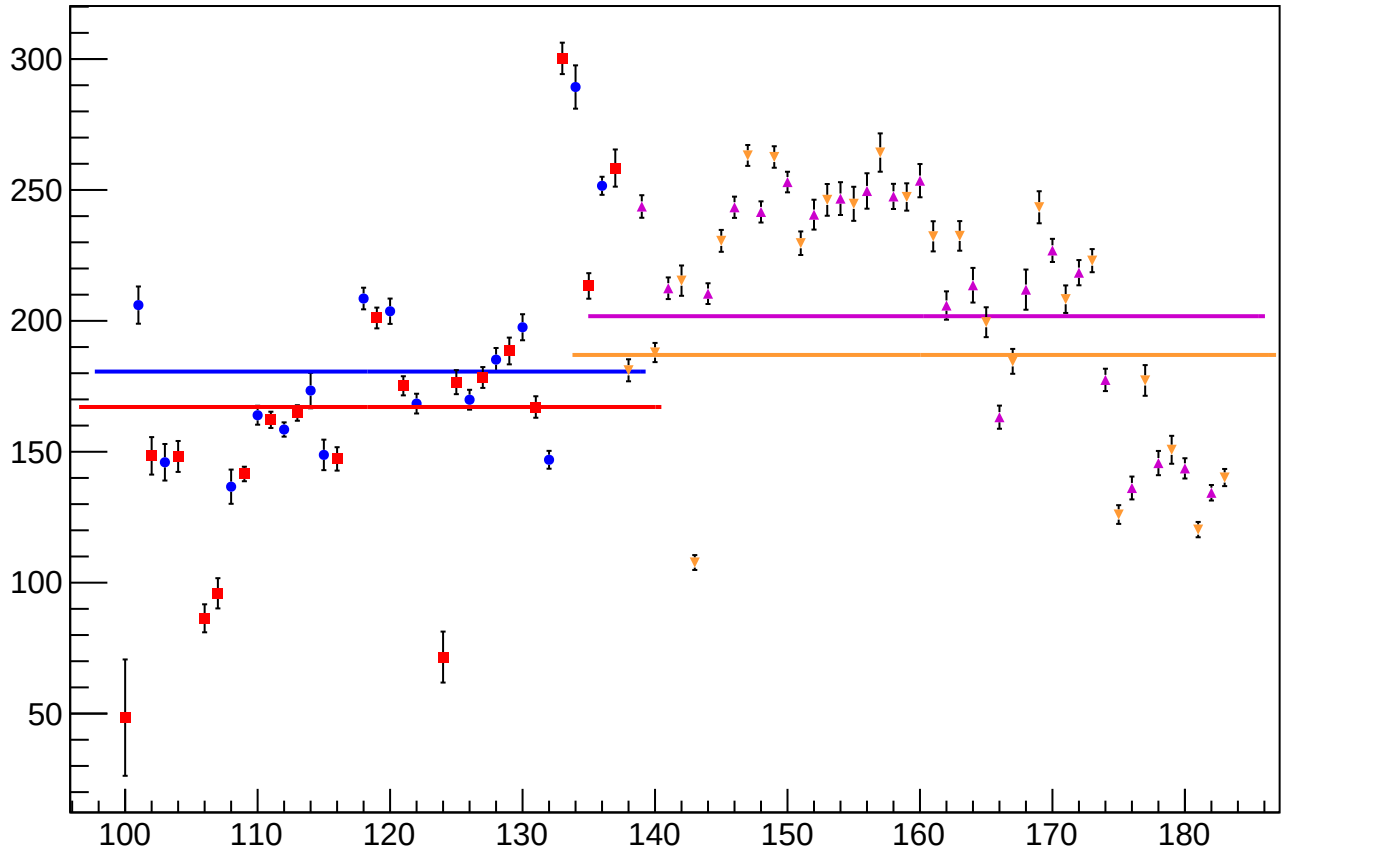
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -3.751+/-0.011 χ^2/NDF:493855.1/21

+ sign -1.205+/-0.010 χ^2/NDF: 1467571.8/39

All: -1.840+/-0.007 χ^2/NDF: 2547096.3/80

- sign -2.492+/-0.010 χ^2/NDF: 1071114.2/40



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 186.983+/-0.904 χ^2/NDF:3489.0/23

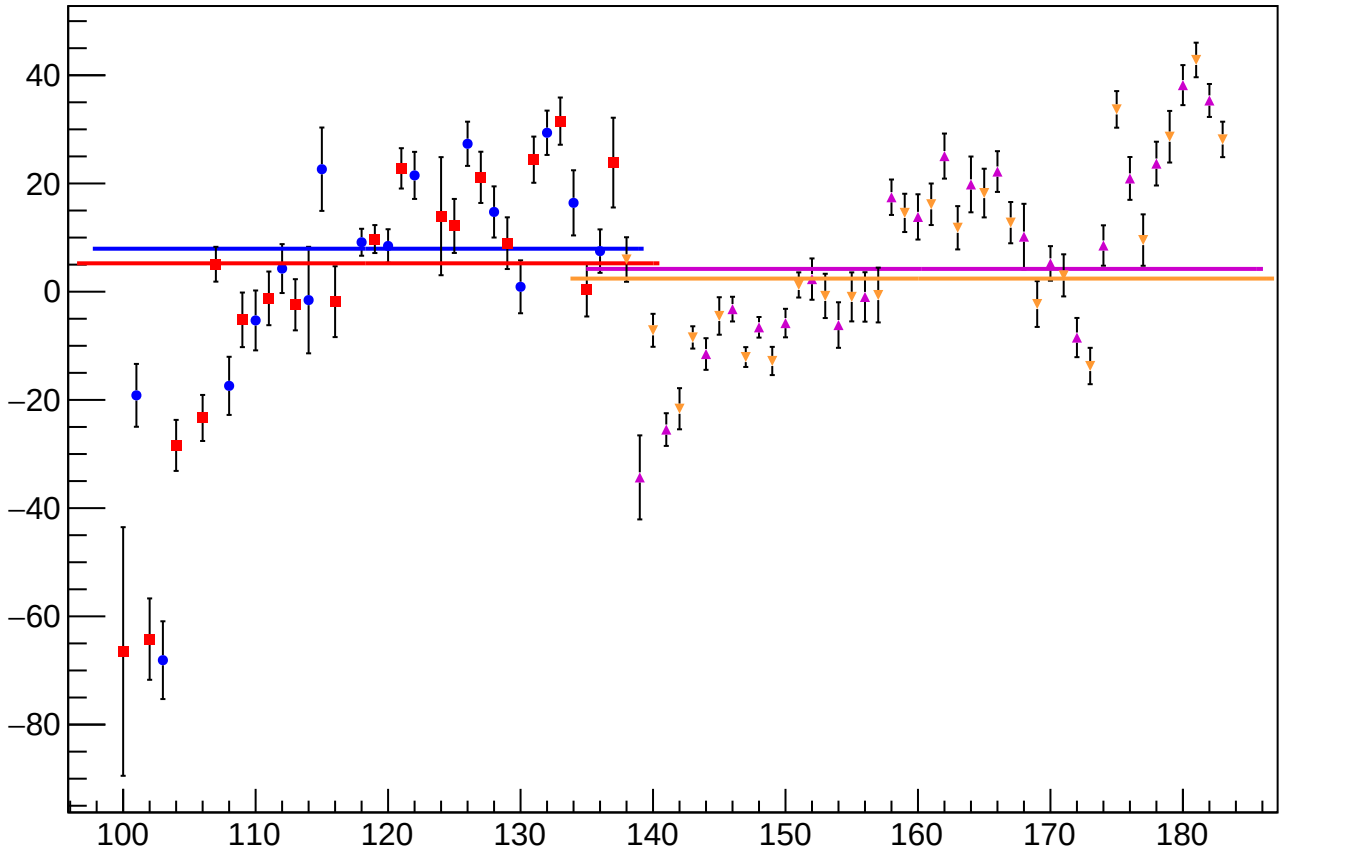
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 201.783+/-0.970 χ^2/NDF:2056.7/21

+ sign 184.393+/-0.696 χ^2/NDF: 4502.5/39

All: 184.854+/-0.495 χ^2/NDF: 8651.1/80

- sign 185.325+/-0.703 χ^2/NDF: 4147.7/40



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 2.424+/-0.668 χ^2/NDF:594.6/23

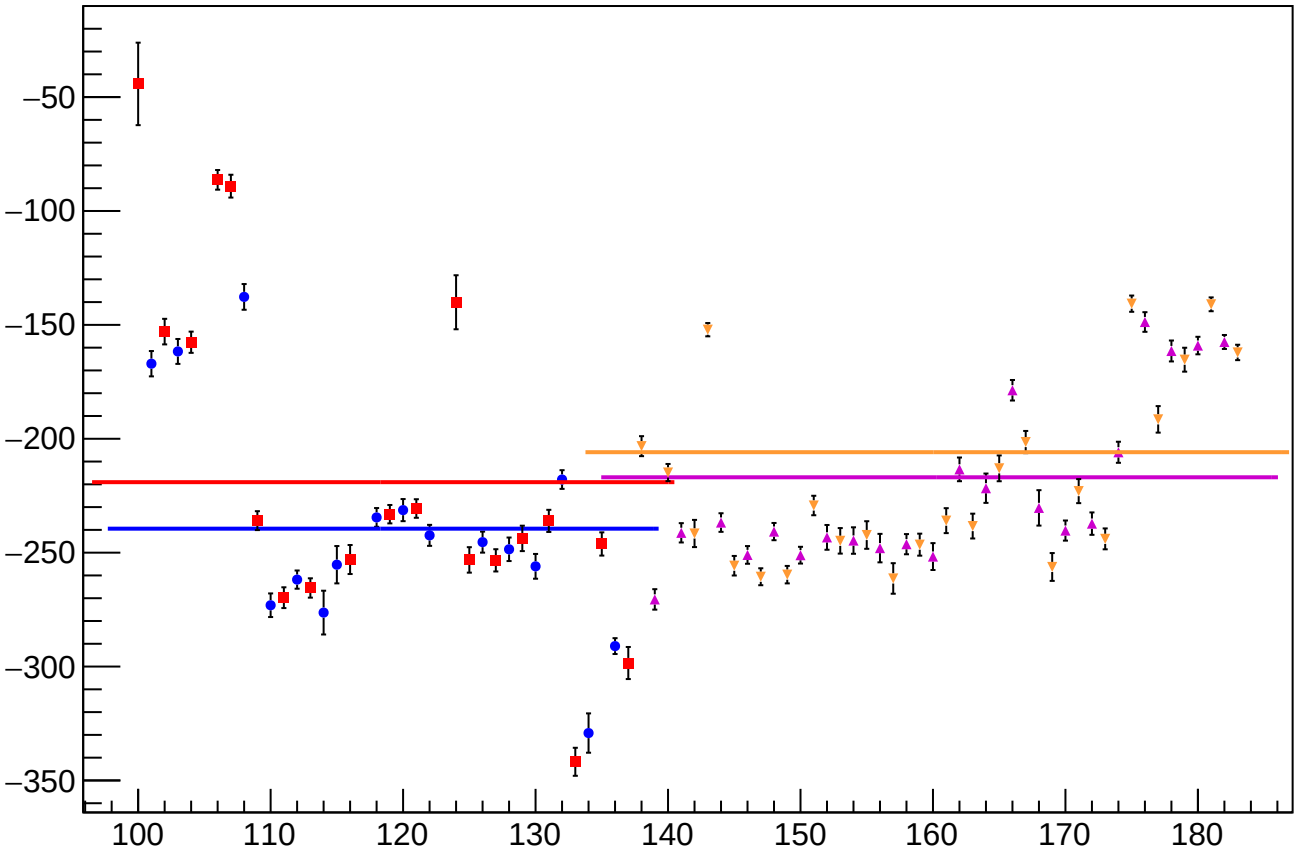
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 4.210+/-0.721 χ^2/NDF:537.9/21

\+ sign 3.886+/-0.573 χ^2/NDF: 845.6/39

All: 4.198+/-0.413 χ^2/NDF: 1687.7/80

\- sign 4.536+/-0.597 χ^2/NDF: 841.5/40



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -205.890+/-0.901 χ^2/NDF:2421.3/23

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

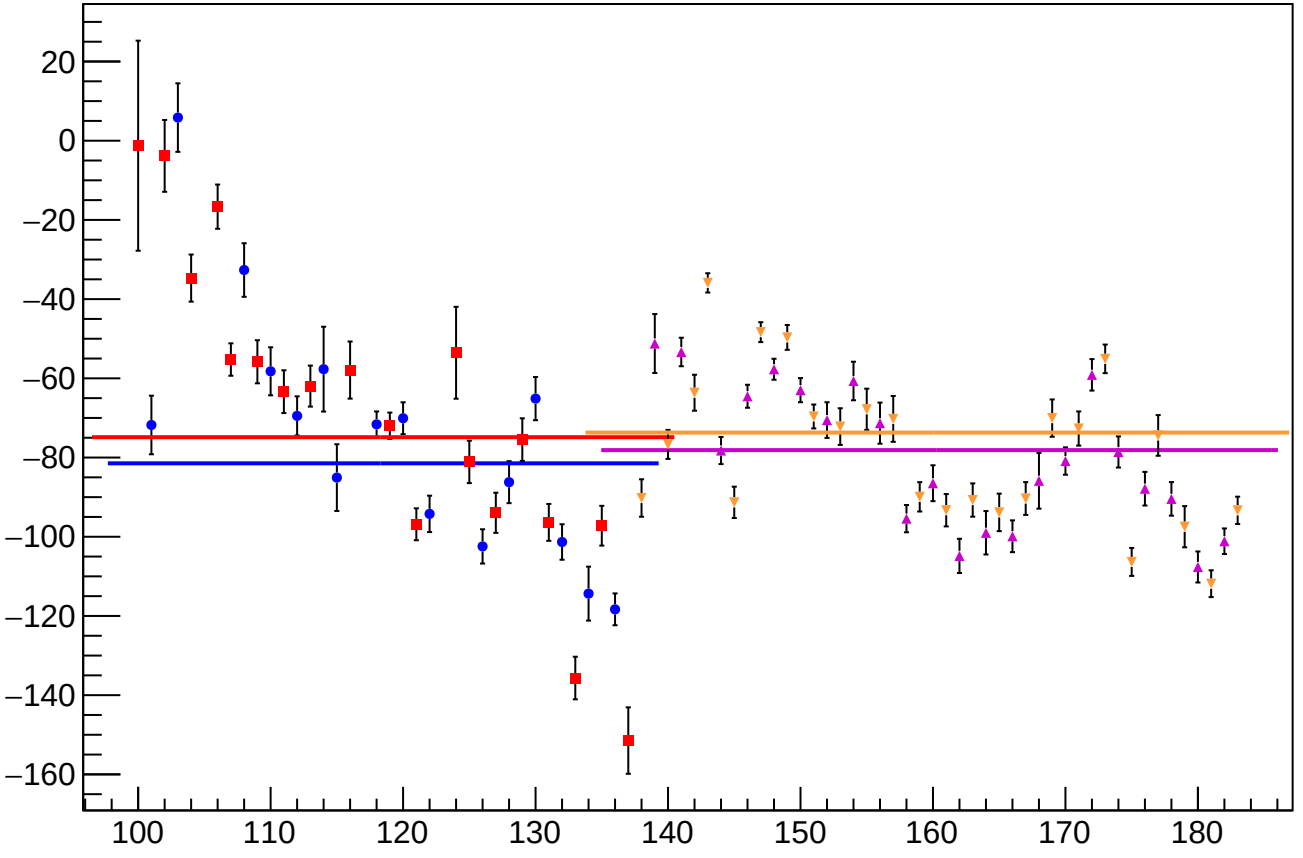
Left In: -216.907+/-0.960 χ^2/NDF:1676.1/21

+ sign -217.427+/-0.730 χ^2/NDF: 4060.7/39

All: -217.593+/-0.521 χ^2/NDF: 8788.2/80

- sign -217.765+/-0.744 χ^2/NDF: 4727.4/40

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -73.689+/-0.772 χ^2/NDF:828.0/23

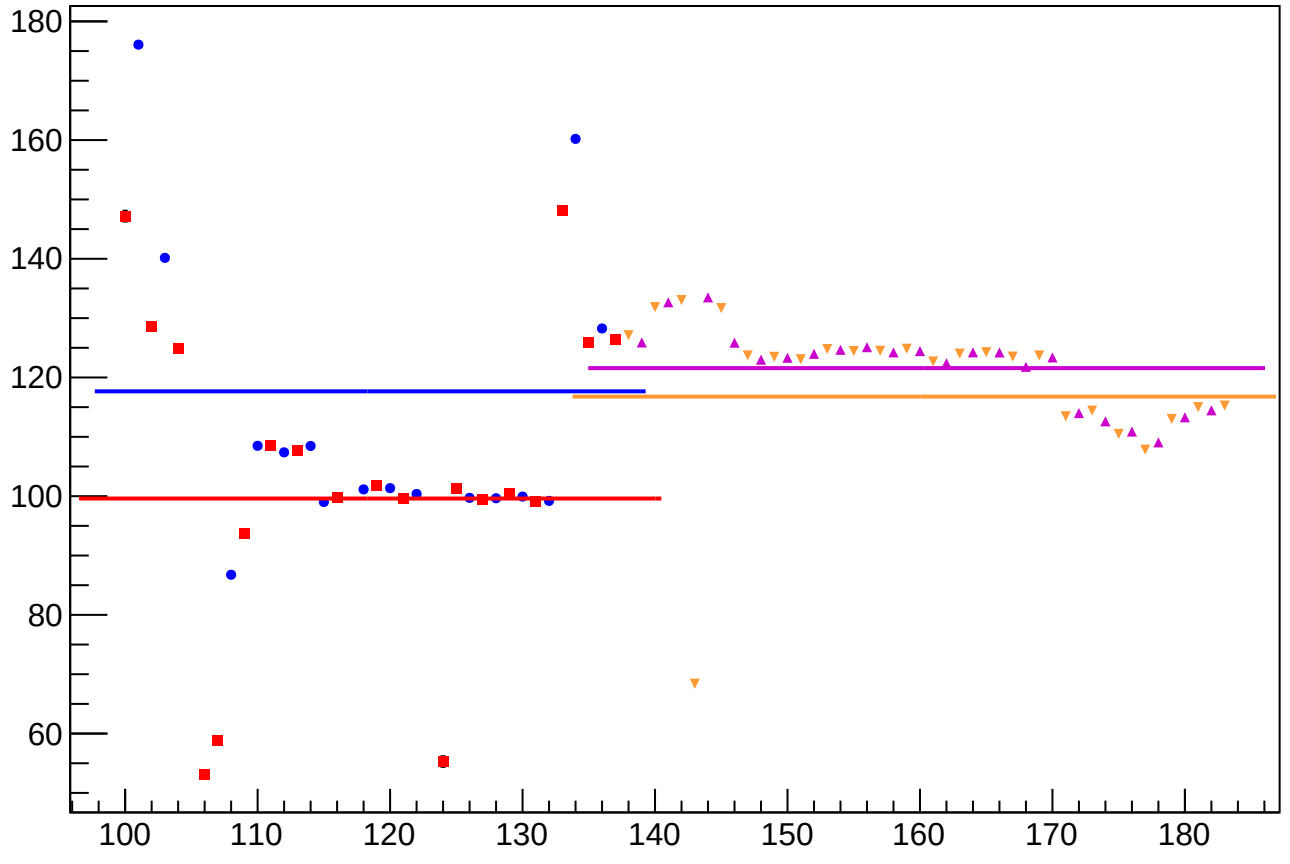
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.123+/-0.827 χ^2/NDF:440.4/21

+ sign -75.747+/-0.662 χ^2/NDF: 1221.3/39

All: -76.403+/-0.476 χ^2/NDF: 2245.3/80

- sign -77.108+/-0.686 χ^2/NDF: 1021.9/40



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.778+/-0.036 χ^2/NDF:203594.7/23

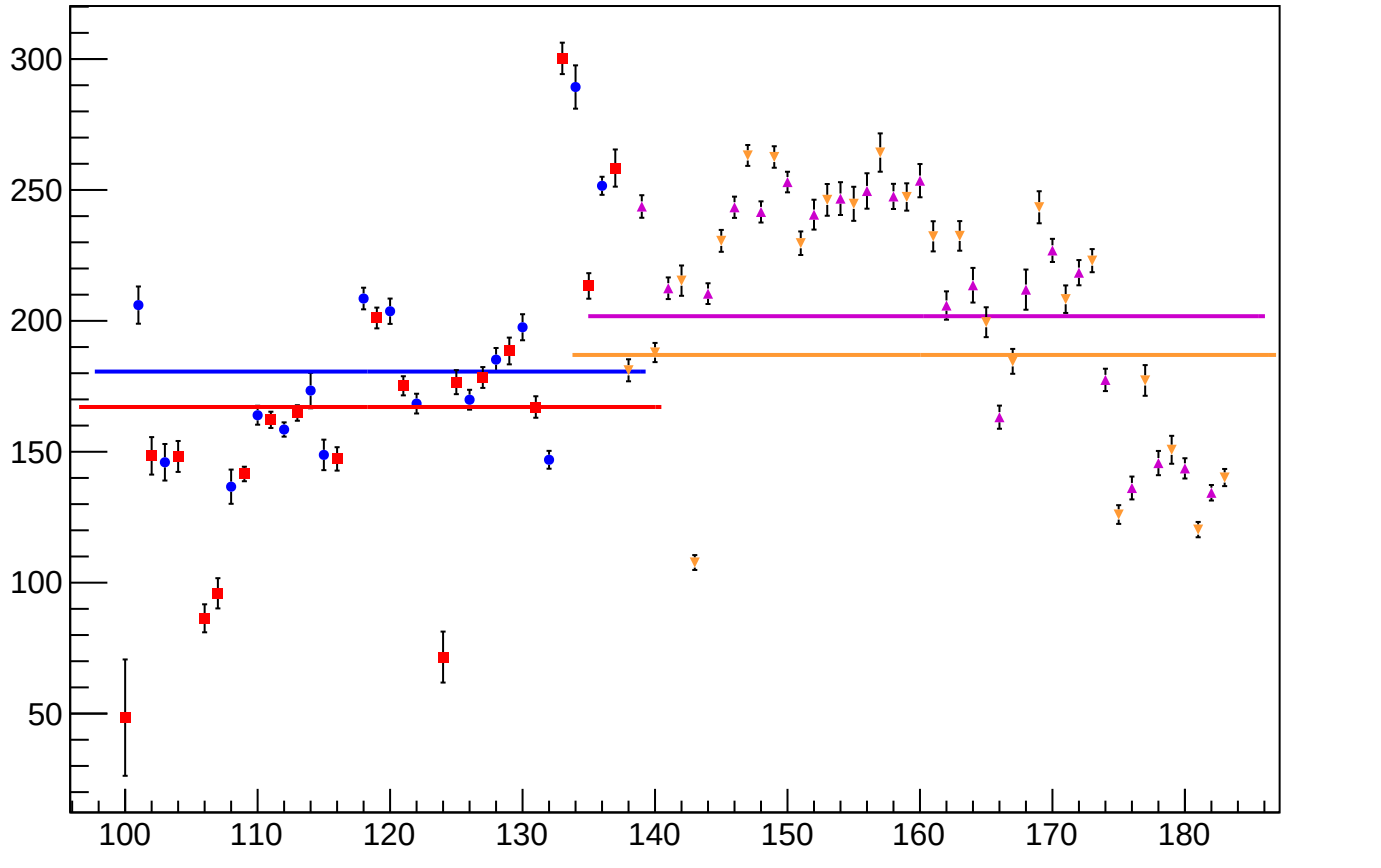
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.580+/-0.038 χ^2/NDF:28348.2/21

+ sign 116.934+/-0.033 χ^2/NDF: 299098.0/39

All: 116.801+/-0.023 χ^2/NDF: 569573.7/80

- sign 116.665+/-0.033 χ^2/NDF: 270442.6/40



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 186.983+/-0.904 χ^2/NDF:3489.0/23

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

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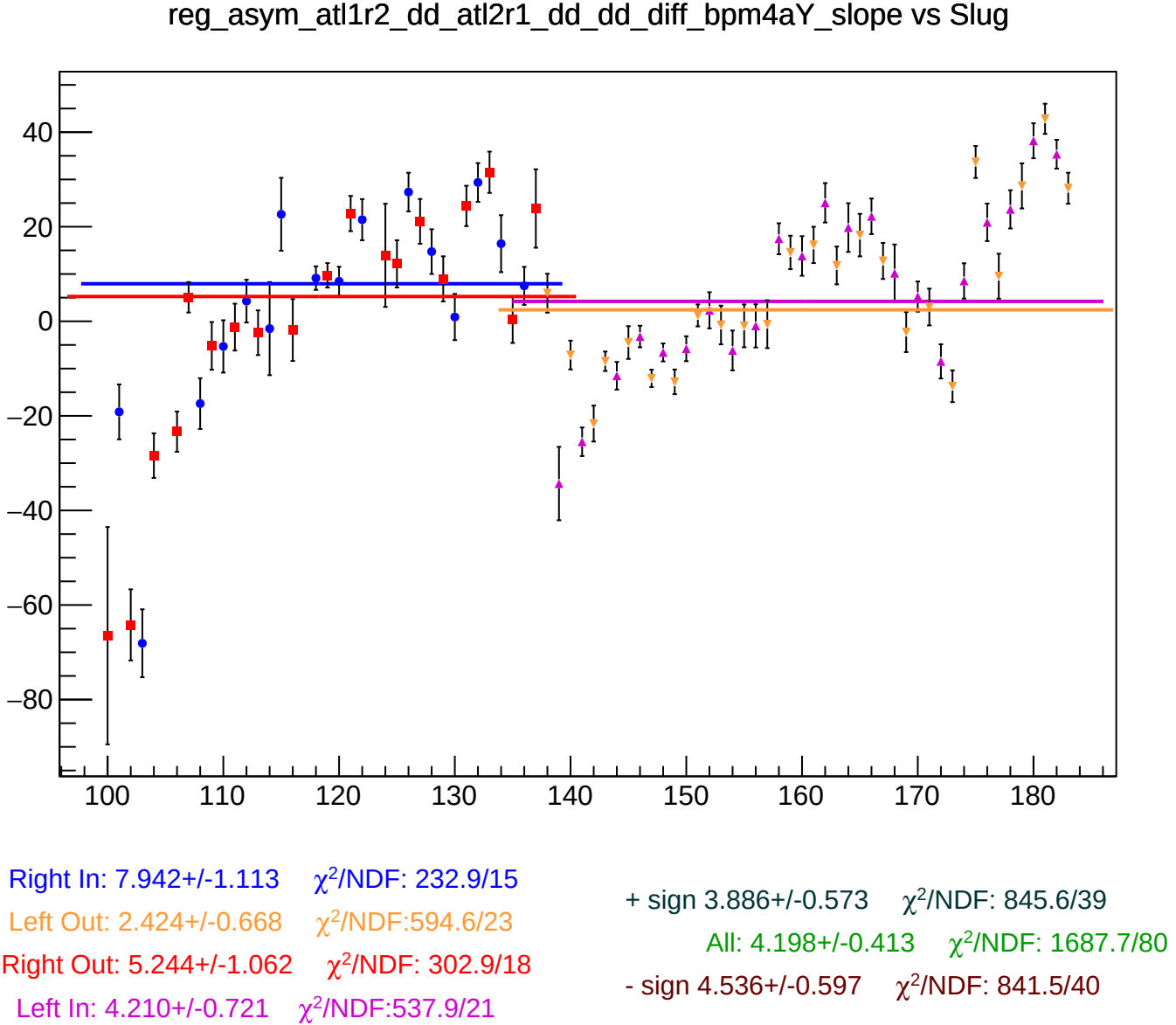
All: 184.854+/-0.495 χ^2/NDF: 8651.1/80

- sign 185.325+/-0.703 χ^2/NDF: 4147.7/40


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: 2.424+/-0.668 χ²/NDF:594.6/23
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
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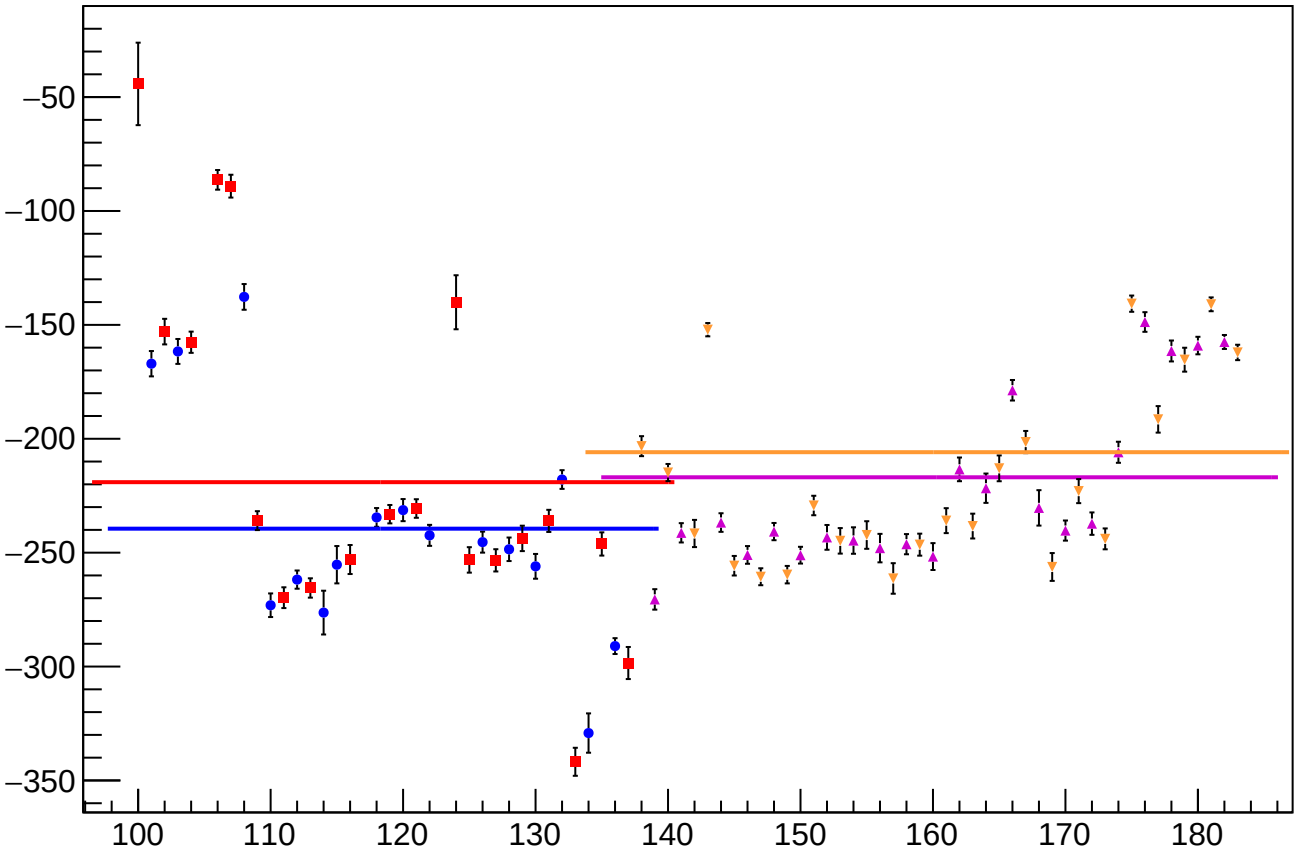

Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -205.890+/-0.901 χ^2/NDF:2421.3/23

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -216.907+/-0.960 χ^2/NDF:1676.1/21

+ sign -217.427+/-0.730 χ^2/NDF: 4060.7/39

All: -217.593+/-0.521 χ^2/NDF: 8788.2/80

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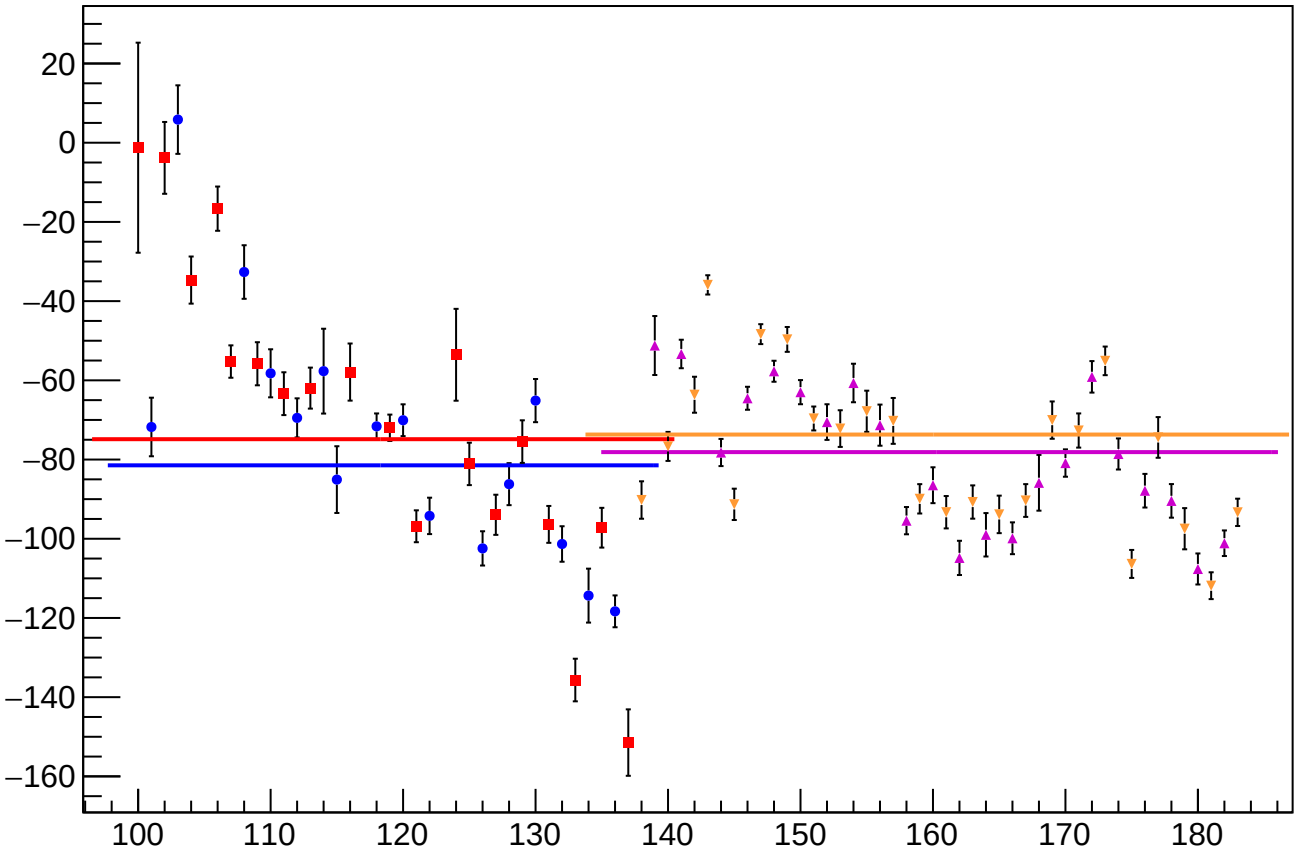

Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -73.689+/-0.772 χ^2/NDF:828.0/23

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

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All: -76.403+/-0.476 χ^2/NDF: 2245.3/80

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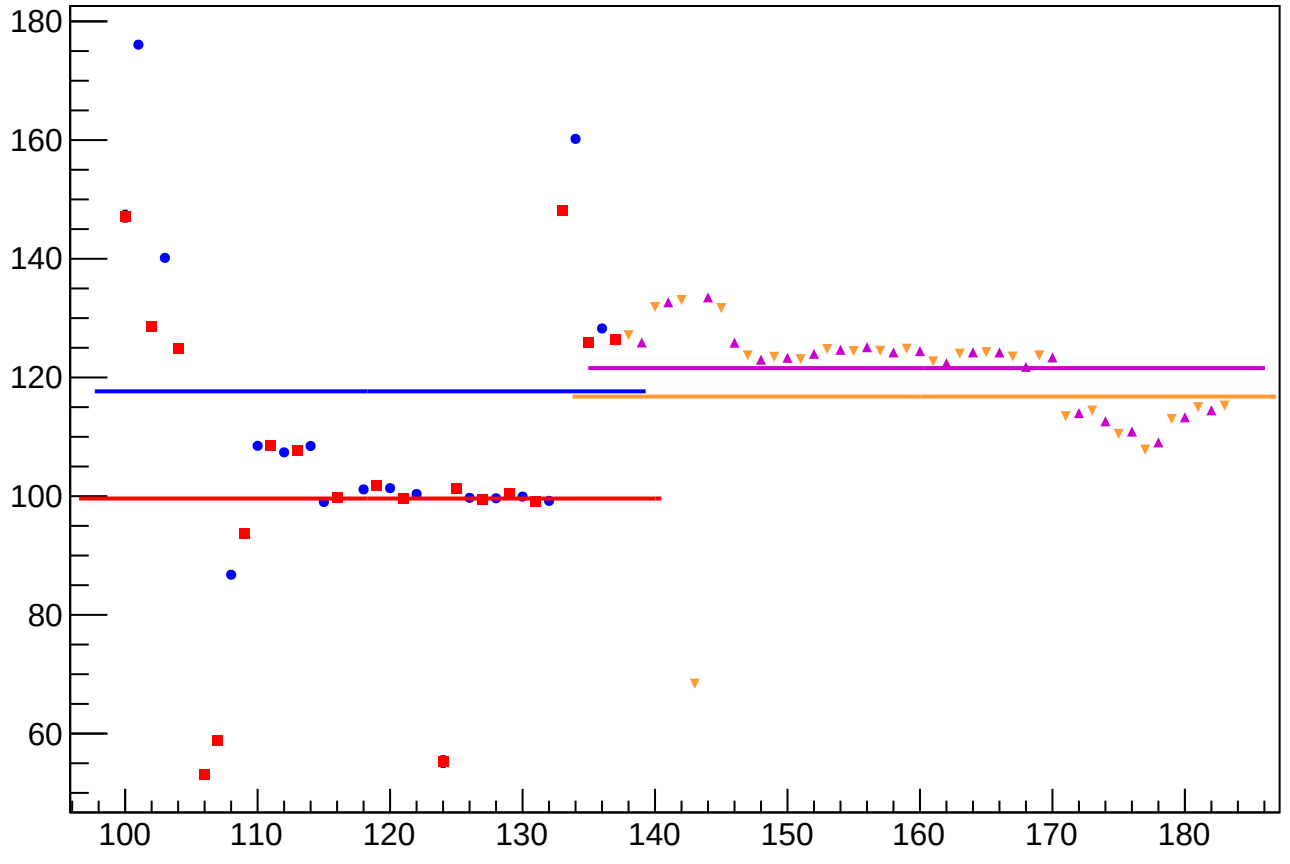

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Left Out: 116.778+/-0.036 χ^2/NDF:203594.7/23

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.580+/-0.038 χ^2/NDF:28348.2/21

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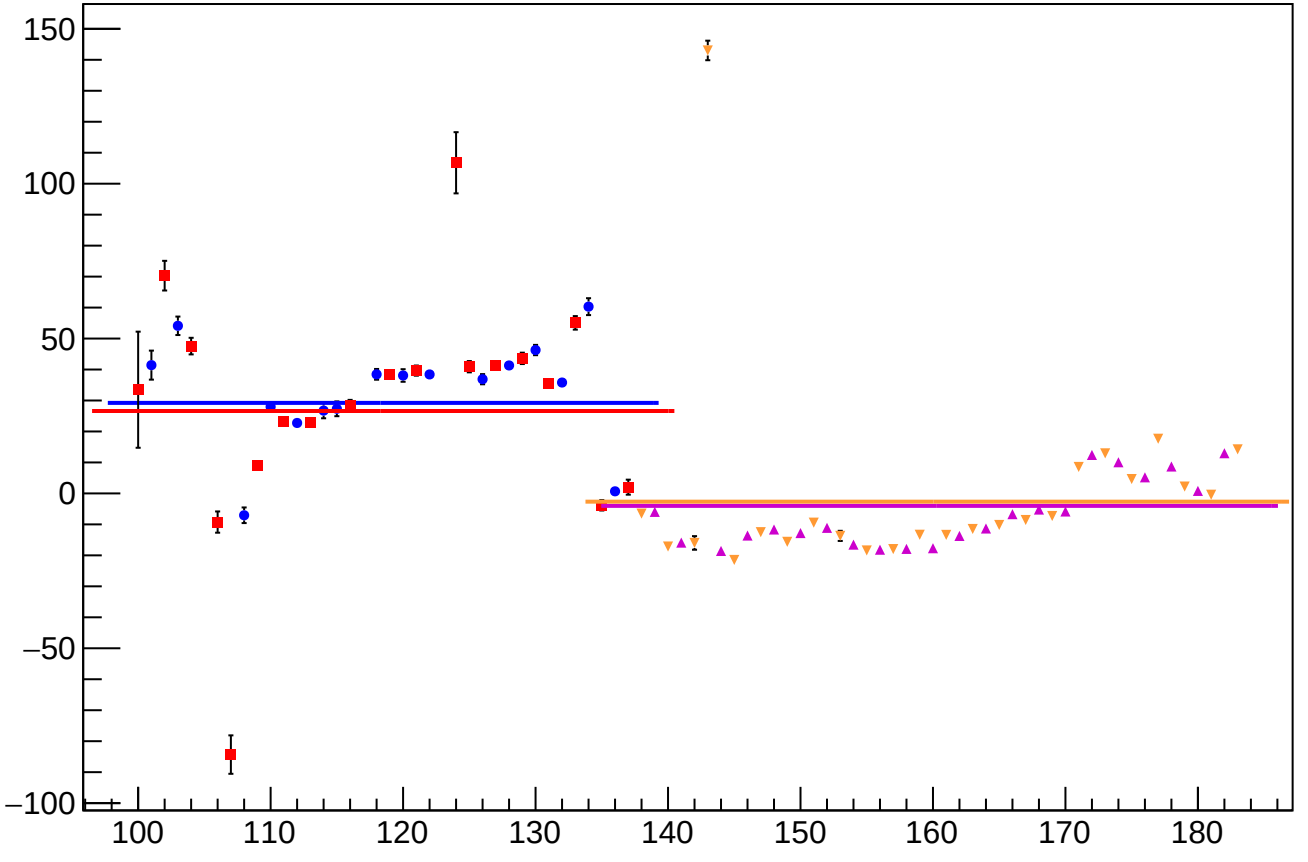
All: 116.801+/-0.023 χ^2/NDF: 569573.7/80

- sign 116.665+/-0.033 χ^2/NDF: 270442.6/40

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.663+/-0.269 χ^2/NDF:3894.0/23

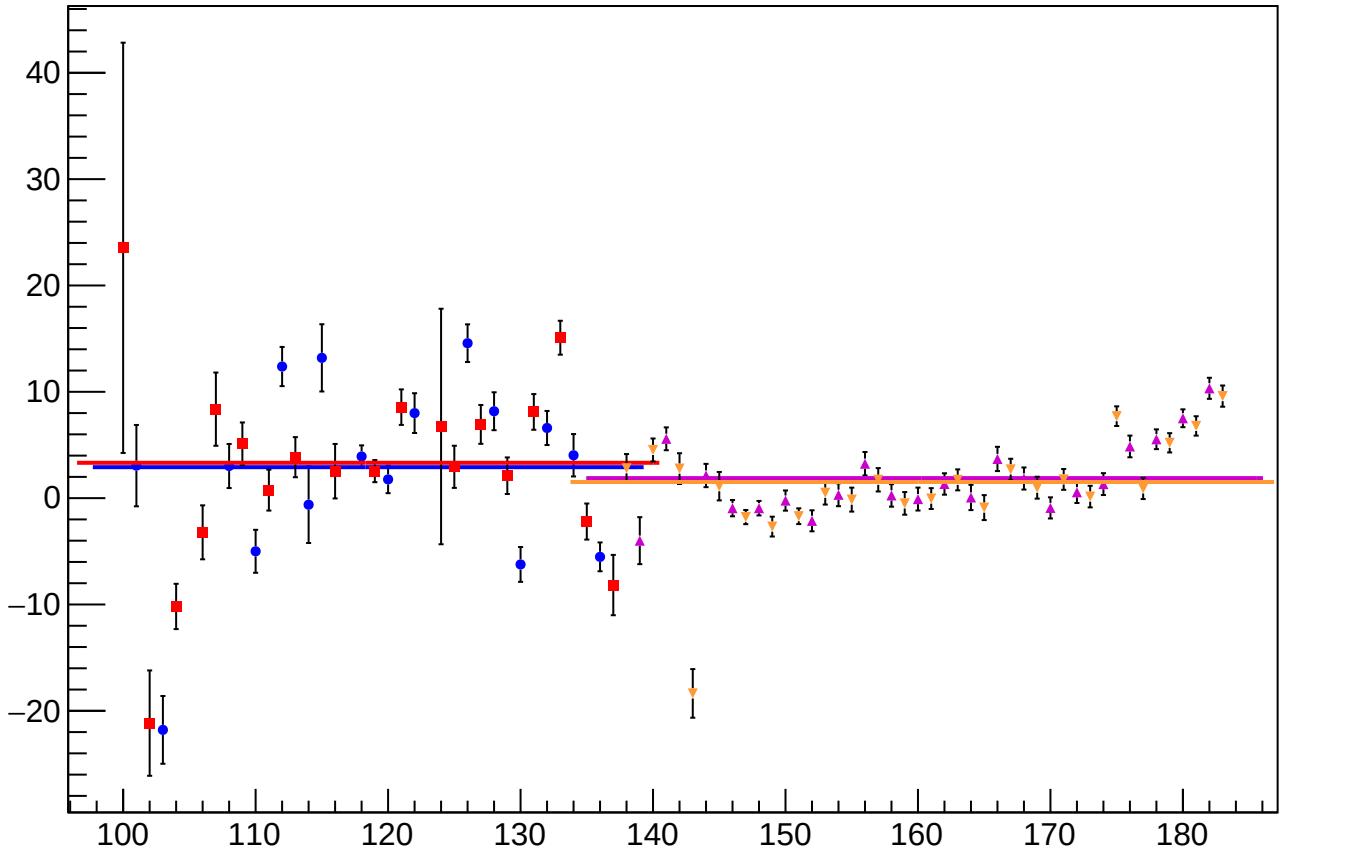
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -4.019+/-0.275 χ^2/NDF:1538.9/21

+ sign 6.470+/-0.227 χ^2/NDF: 9269.1/39

All: 5.909+/-0.161 χ^2/NDF: 16540.1/80

- sign 5.339+/-0.229 χ^2/NDF: 7258.8/40



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.521+/-0.206 χ^2/NDF:326.5/23

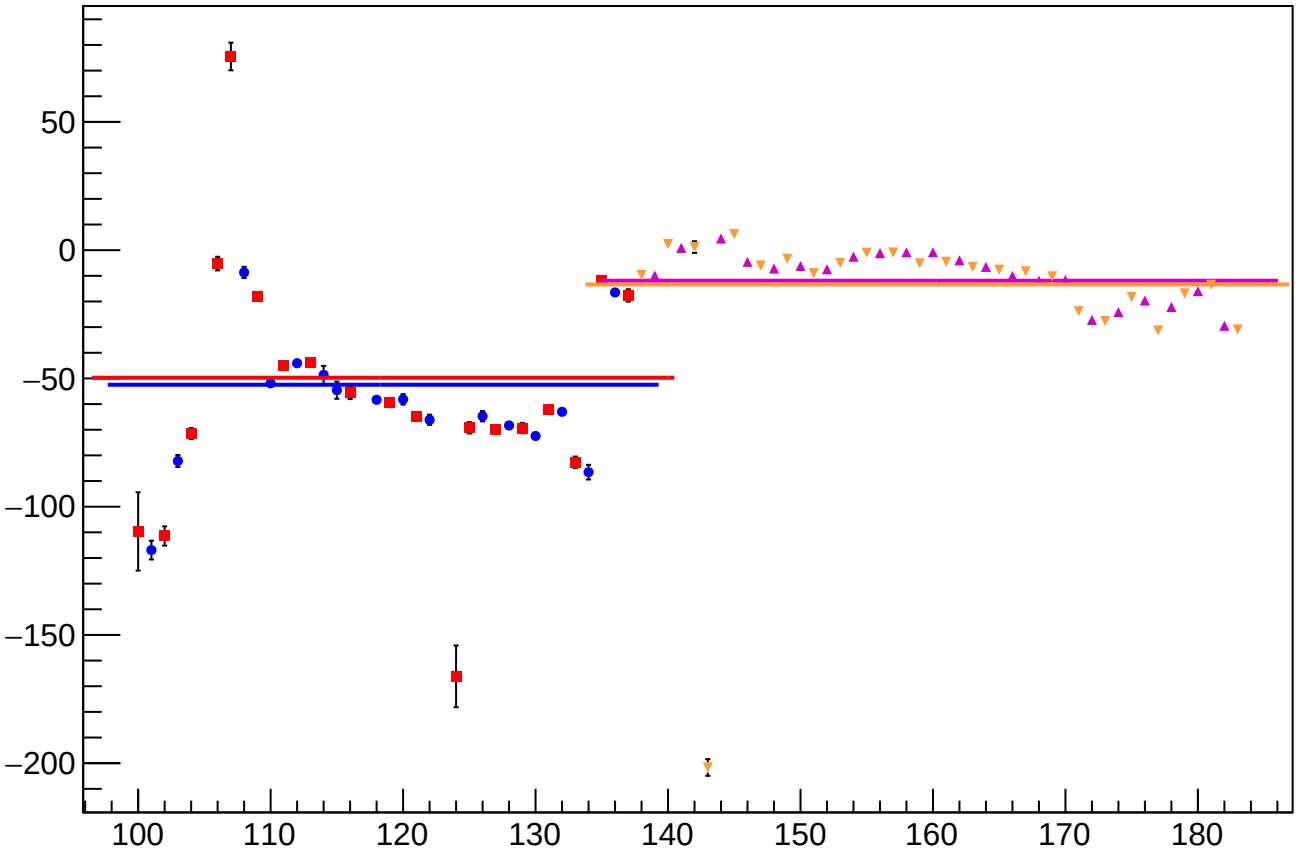
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.884+/-0.212 χ^2/NDF:237.3/21

+ sign 1.769+/-0.187 χ^2/NDF: 584.6/39

All: 1.951+/-0.134 χ^2/NDF: 1014.0/80

- sign 2.143+/-0.192 χ^2/NDF: 427.4/40



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.375+/-0.267 χ^2/NDF:4832.3/23

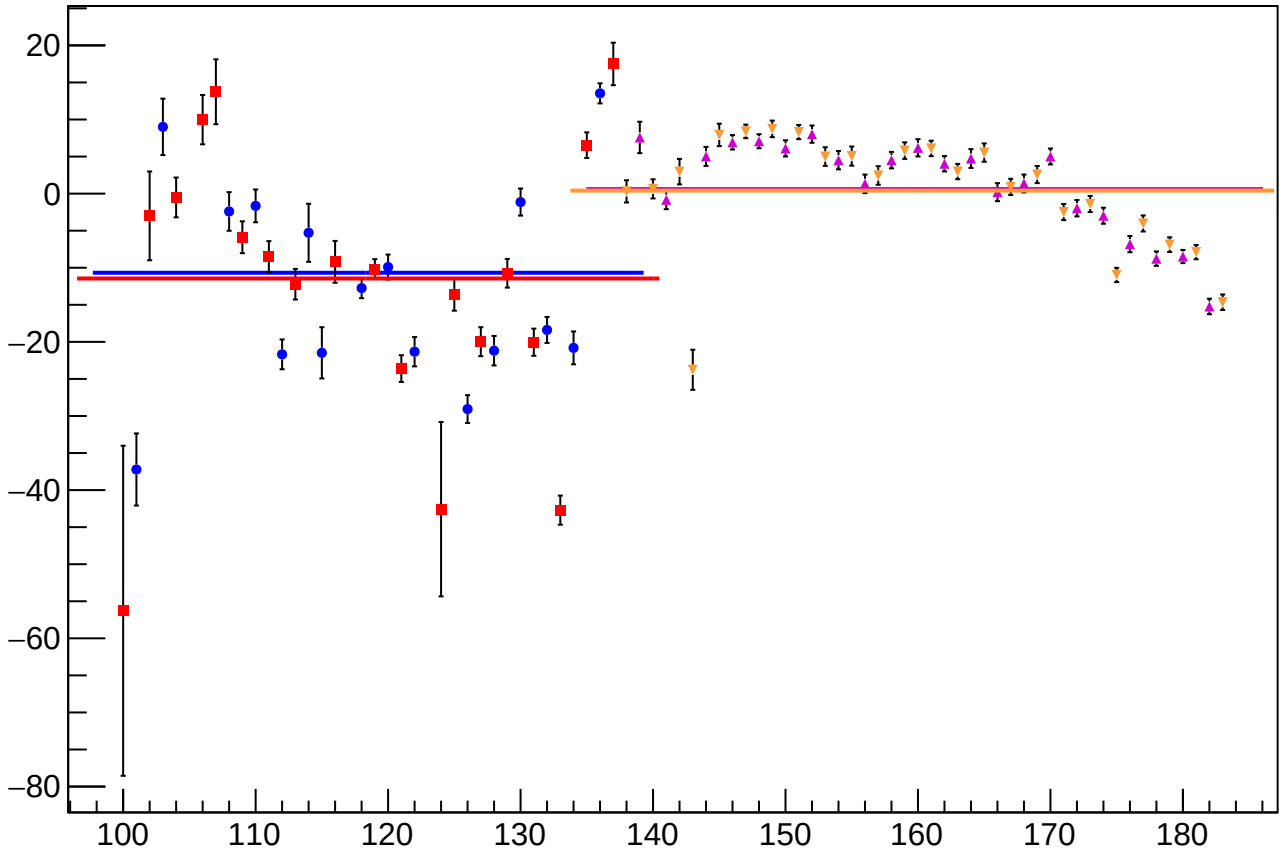
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -11.919+/-0.272 χ^2/NDF:1230.2/21

+ sign -22.362+/-0.234 χ^2/NDF: 12108.7/39

All: -21.548+/-0.167 χ^2/NDF: 20871.1/80

- sign -20.703+/-0.238 χ^2/NDF: 8737.7/40



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.408+/-0.233 χ^2/NDF:916.3/23

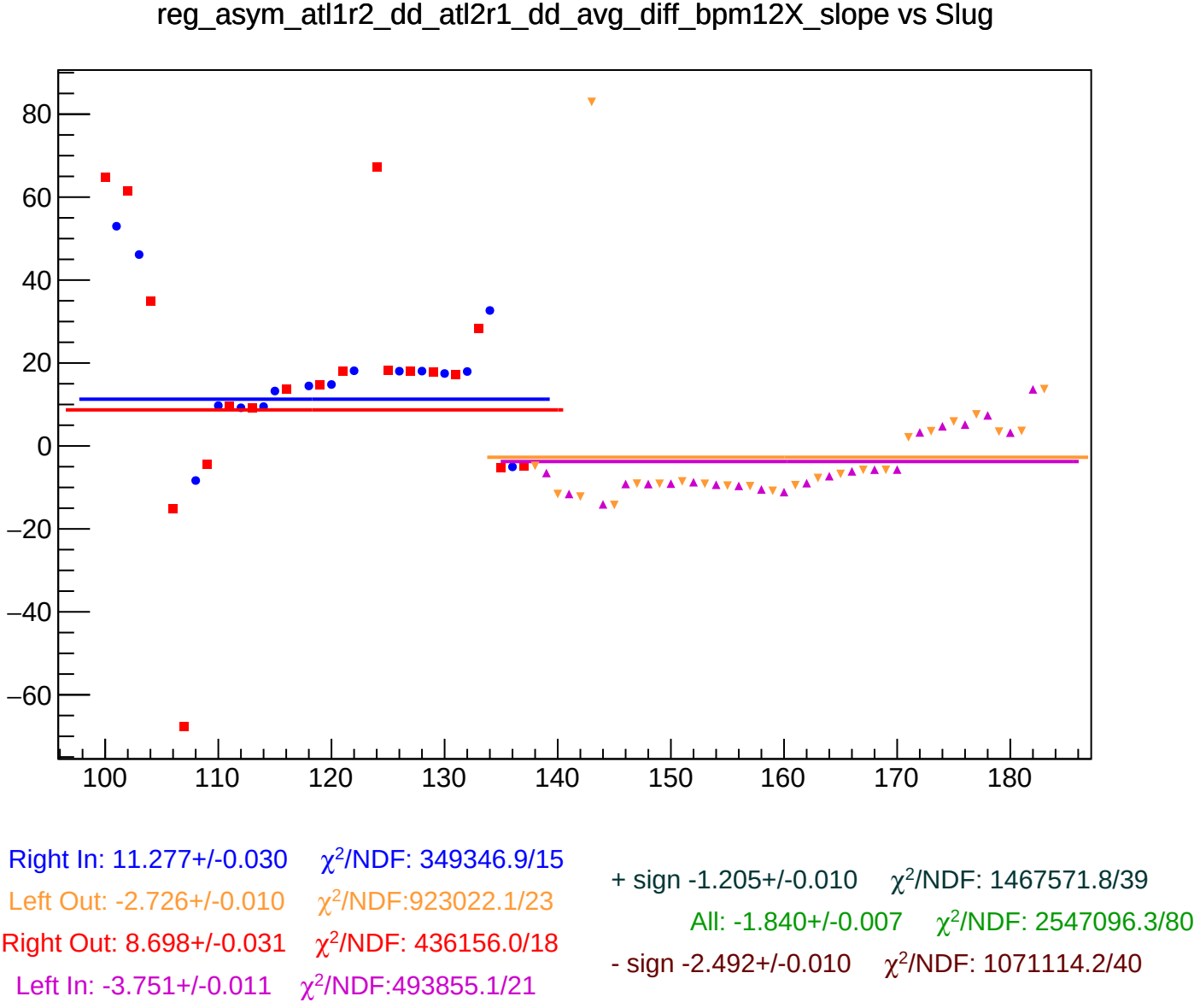
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.614+/-0.239 χ^2/NDF:749.9/21

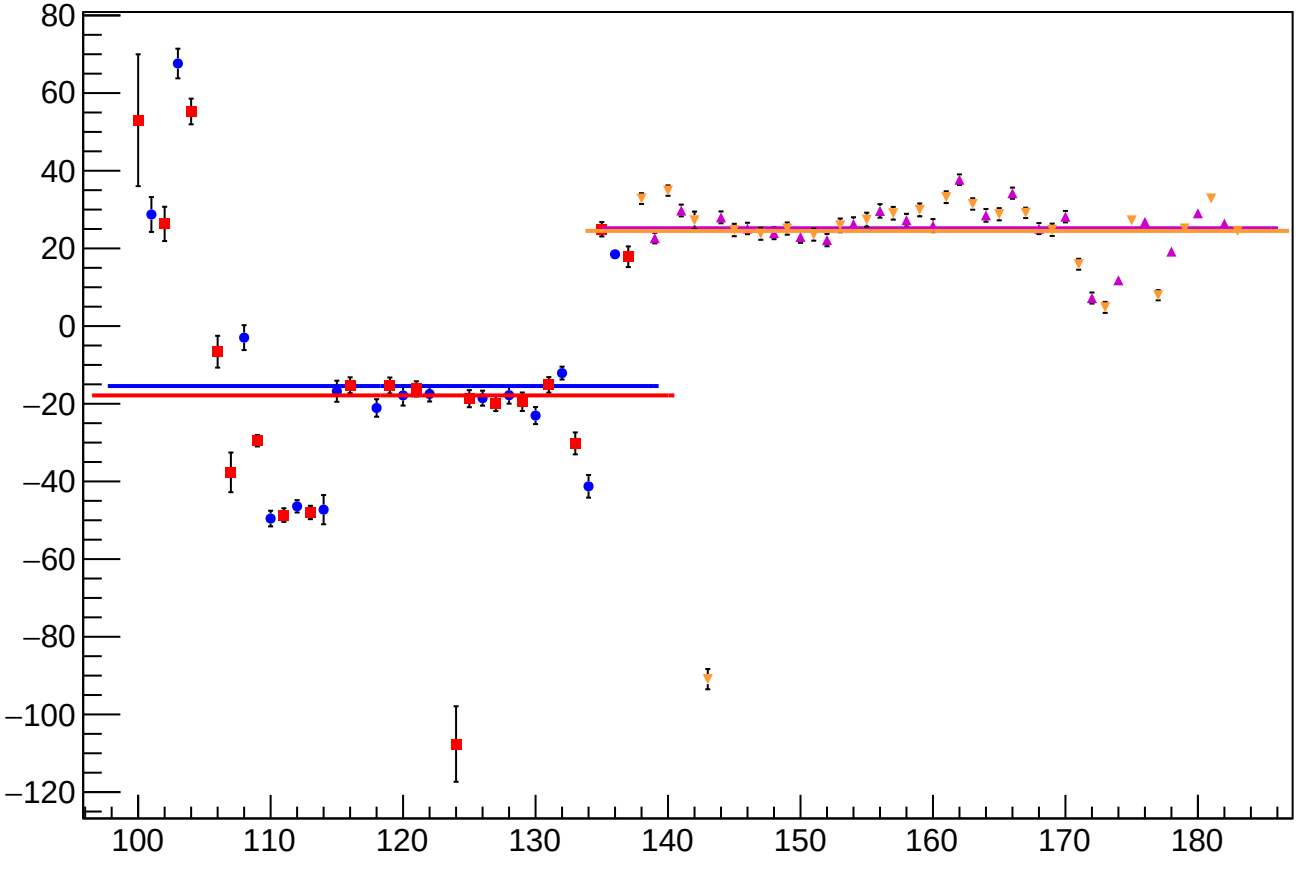
+ sign -1.532+/-0.212 χ^2/NDF: 1979.3/39

All: -1.523+/-0.151 χ^2/NDF: 3845.1/80

- sign -1.513+/-0.217 χ^2/NDF: 1865.8/40


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 11.277+/-0.030 χ²/NDF: 349346.9/15
Left Out: -2.726+/-0.010 χ²/NDF:923022.1/23
Right Out: 8.698+/-0.031 χ²/NDF: 436156.0/18
Left In: -3.751+/-0.011 χ²/NDF:493855.1/21
+ sign -1.205+/-0.010 χ²/NDF: 1467571.8/39
All: -1.840+/-0.007 χ²/NDF: 2547096.3/80
- sign -2.492+/-0.010 χ²/NDF: 1071114.2/40

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.504+/-0.284 χ^2/NDF:2634.5/23

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

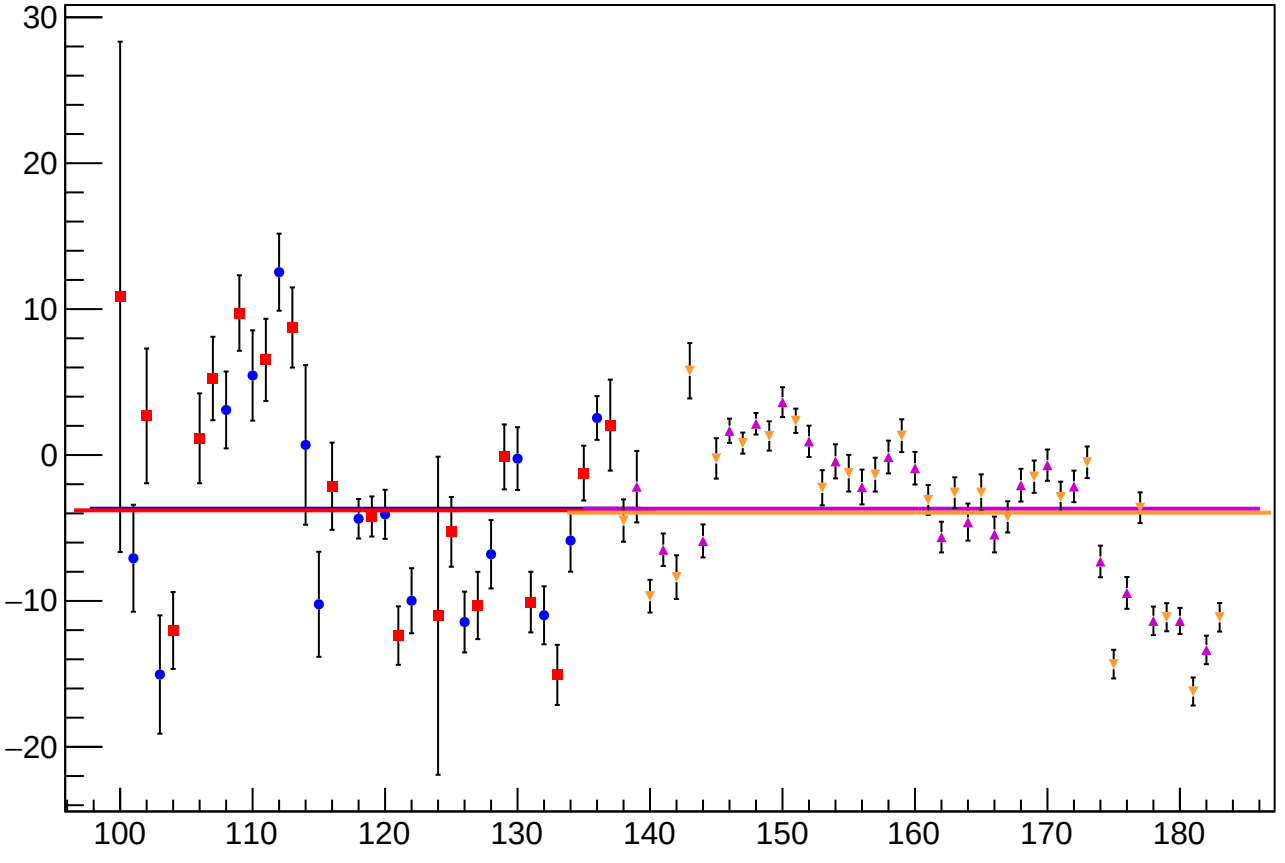
Left In: 25.190+/-0.291 χ^2/NDF:491.0/21

\+ sign 15.805+/-0.252 χ^2/NDF: 9053.4/39

All: 15.503+/-0.179 χ^2/NDF: 16741.9/80

\- sign 15.192+/-0.255 χ^2/NDF: 7685.5/40

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -3.949+/-0.219 χ^2/NDF:633.2/23

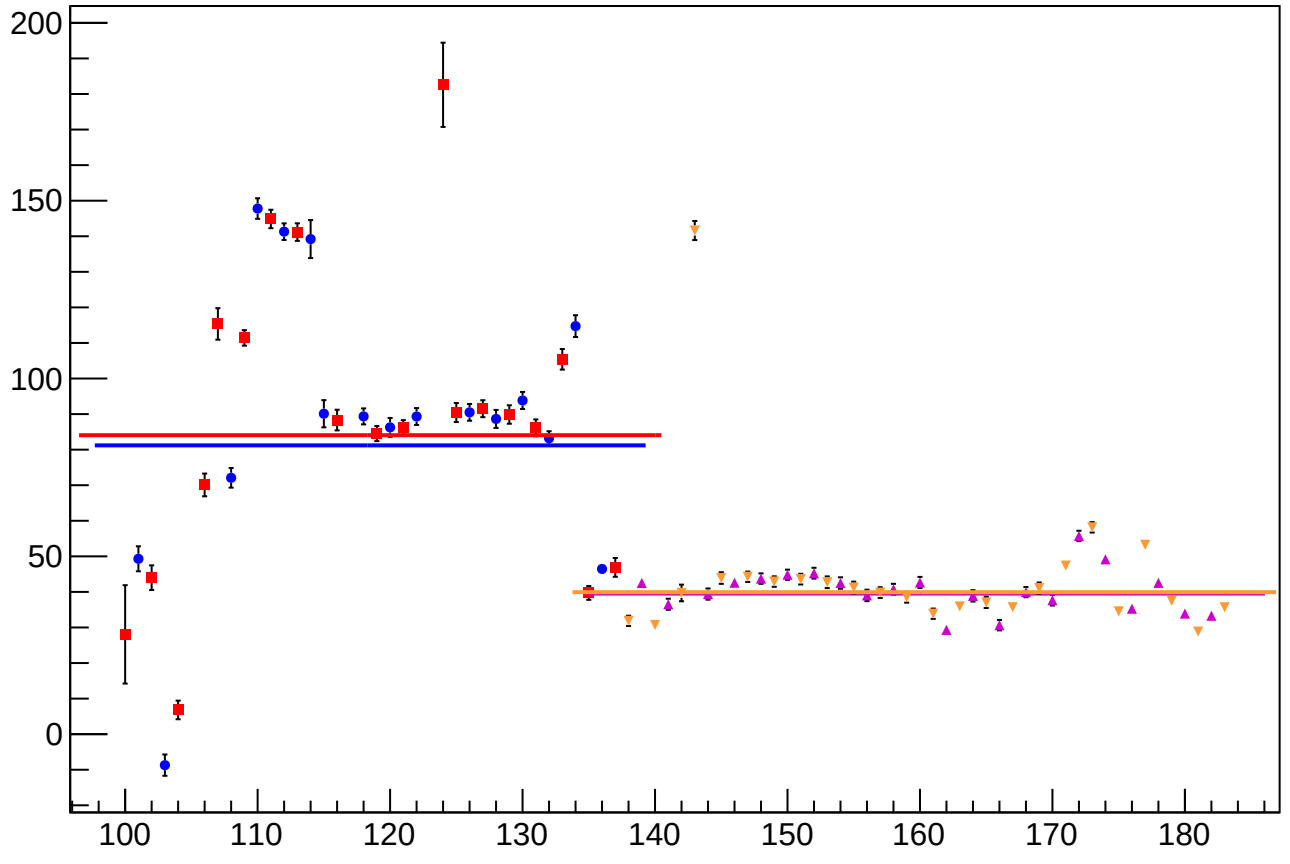
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -3.680+/-0.226 χ^2/NDF:499.3/21

+ sign -3.912+/-0.204 χ^2/NDF: 757.3/39

All: -3.807+/-0.146 χ^2/NDF: 1418.4/80

- sign -3.695+/-0.210 χ^2/NDF: 660.5/40



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 39.927+/-0.282 χ^2/NDF:2061.8/23

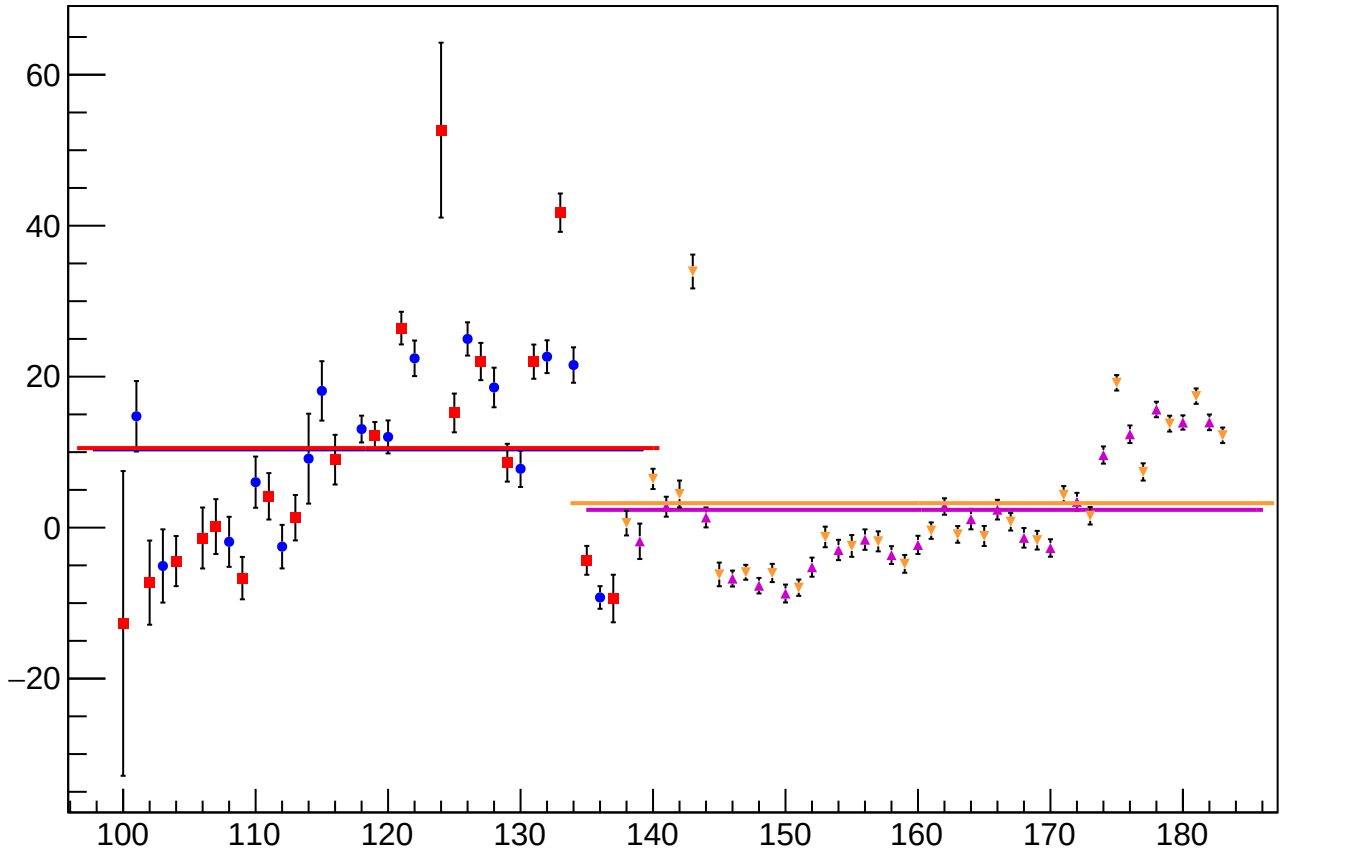
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.529+/-0.288 χ^2/NDF:431.8/21

\+ sign 47.269+/-0.256 χ^2/NDF: 9093.0/39

All: 47.399+/-0.183 χ^2/NDF: 17015.6/80

\- sign 47.534+/-0.261 χ^2/NDF: 7922.0/40



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 3.242+/-0.247 χ^2/NDF:1256.4/23

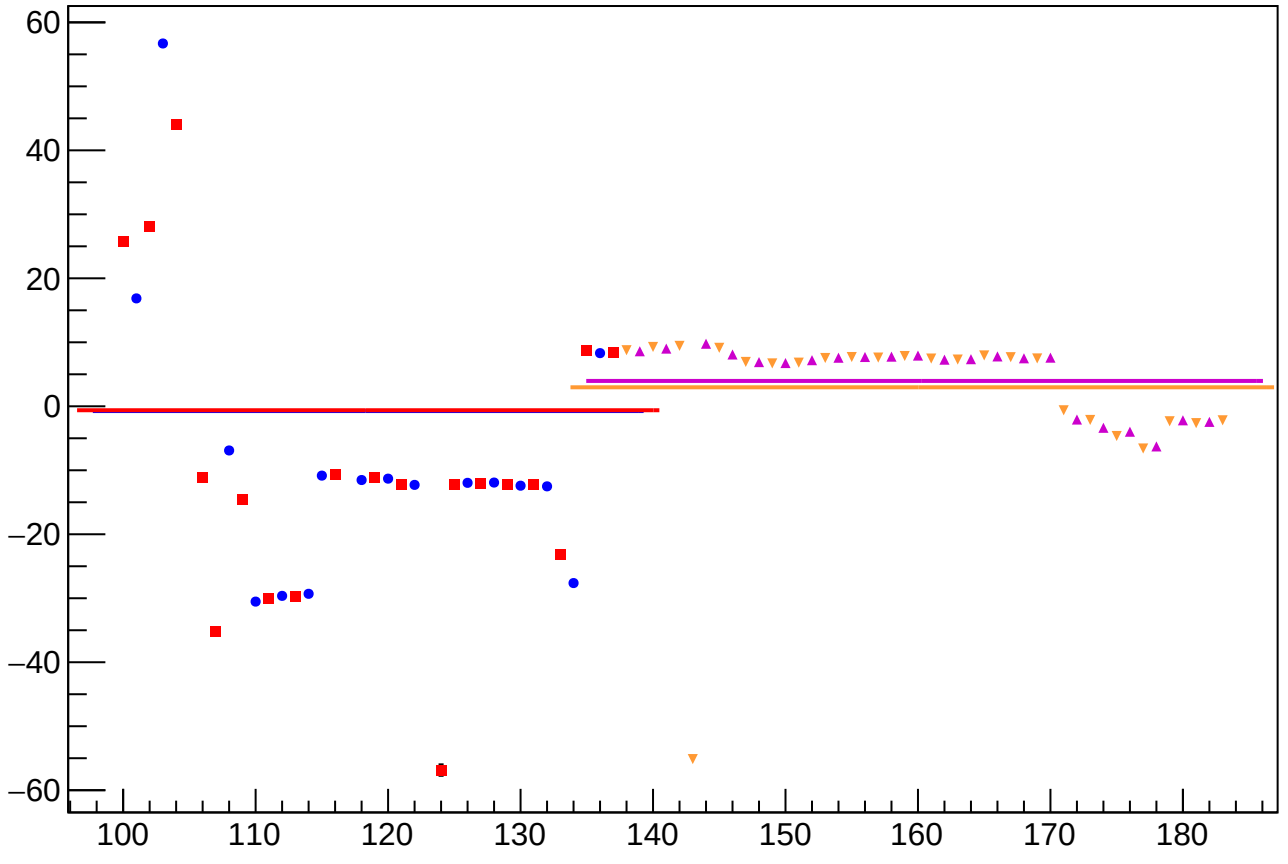
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 2.355+/-0.254 χ^2/NDF:948.1/21

\+ sign 4.203+/-0.230 χ^2/NDF: 1728.0/39

All: 3.844+/-0.165 χ^2/NDF: 3293.1/80

\- sign 3.466+/-0.236 χ^2/NDF: 1560.1/40



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.967+/-0.011 χ^2/NDF:508613.2/23

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

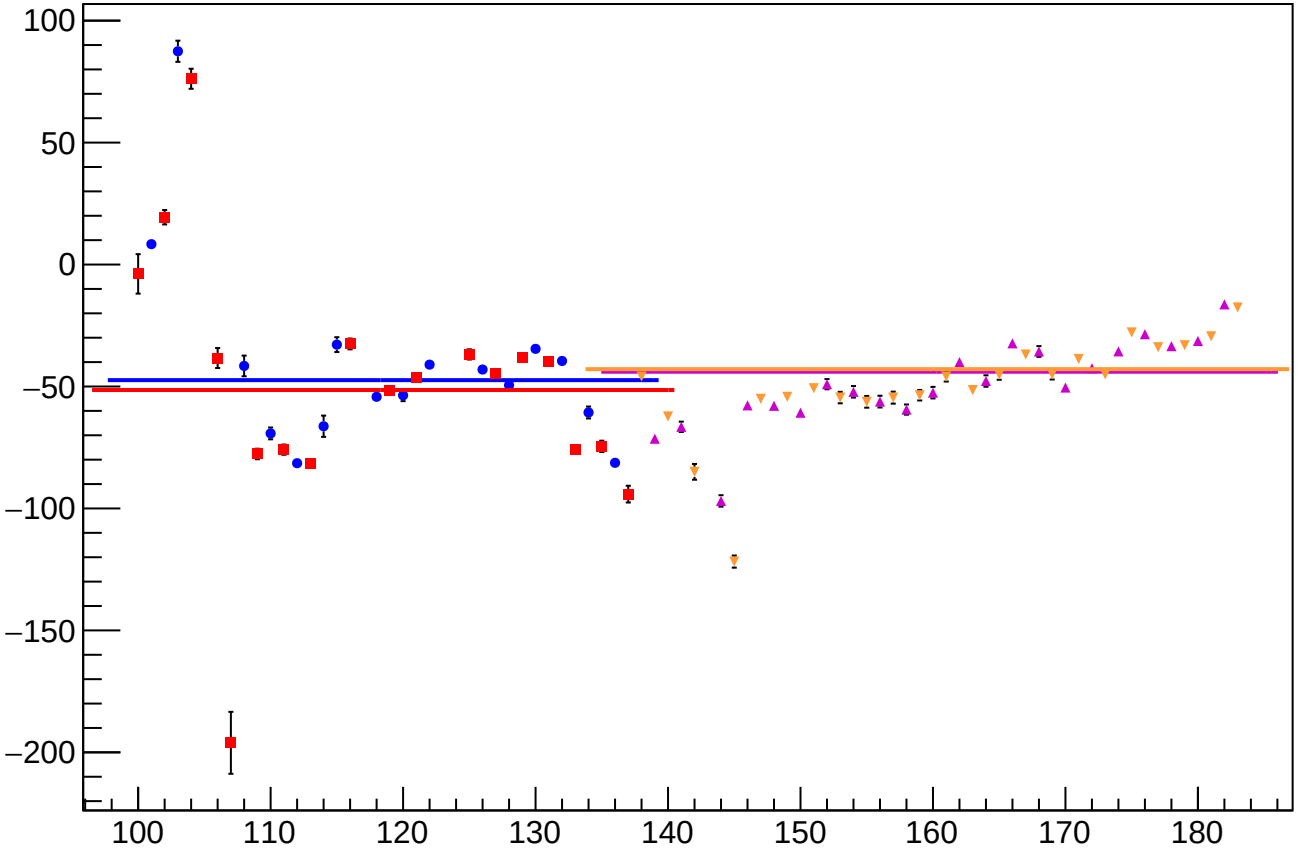
Left In: 3.963+/-0.011 χ^2/NDF:226332.8/21

+ sign 2.643+/-0.011 χ^2/NDF: 886374.6/39

All: 3.107+/-0.008 χ^2/NDF: 1446891.3/80

- sign 3.583+/-0.011 χ^2/NDF: 556636.0/40

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -42.897+/-0.382 χ^2/NDF:2289.3/22

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

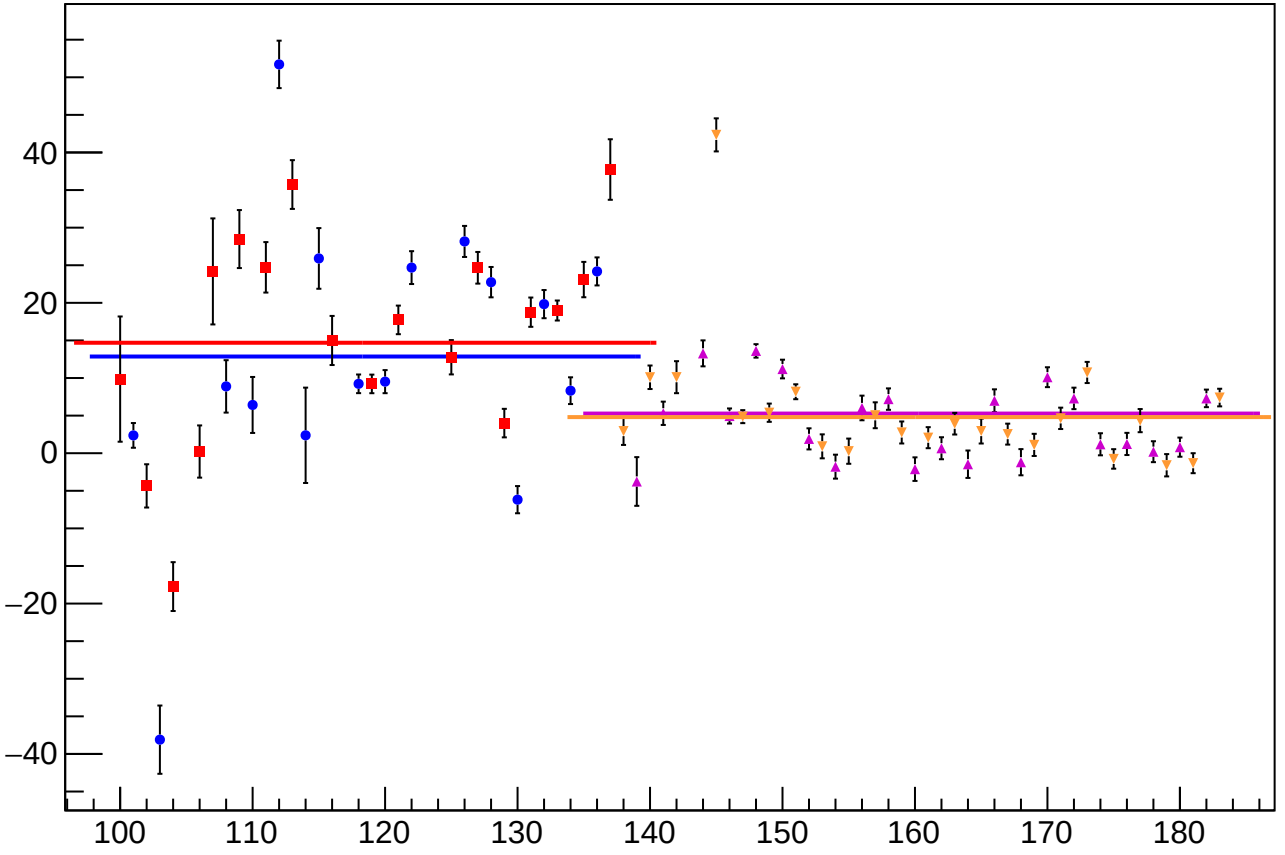
Left In: -43.937+/-0.388 χ^2/NDF:2087.0/21

+ sign -44.418+/-0.311 χ^2/NDF: 5105.1/38

All: -45.423+/-0.222 χ^2/NDF: 10211.8/78

- sign -46.462+/-0.316 χ^2/NDF: 5085.5/39

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 4.802+/-0.291 χ^2/NDF:432.6/22

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

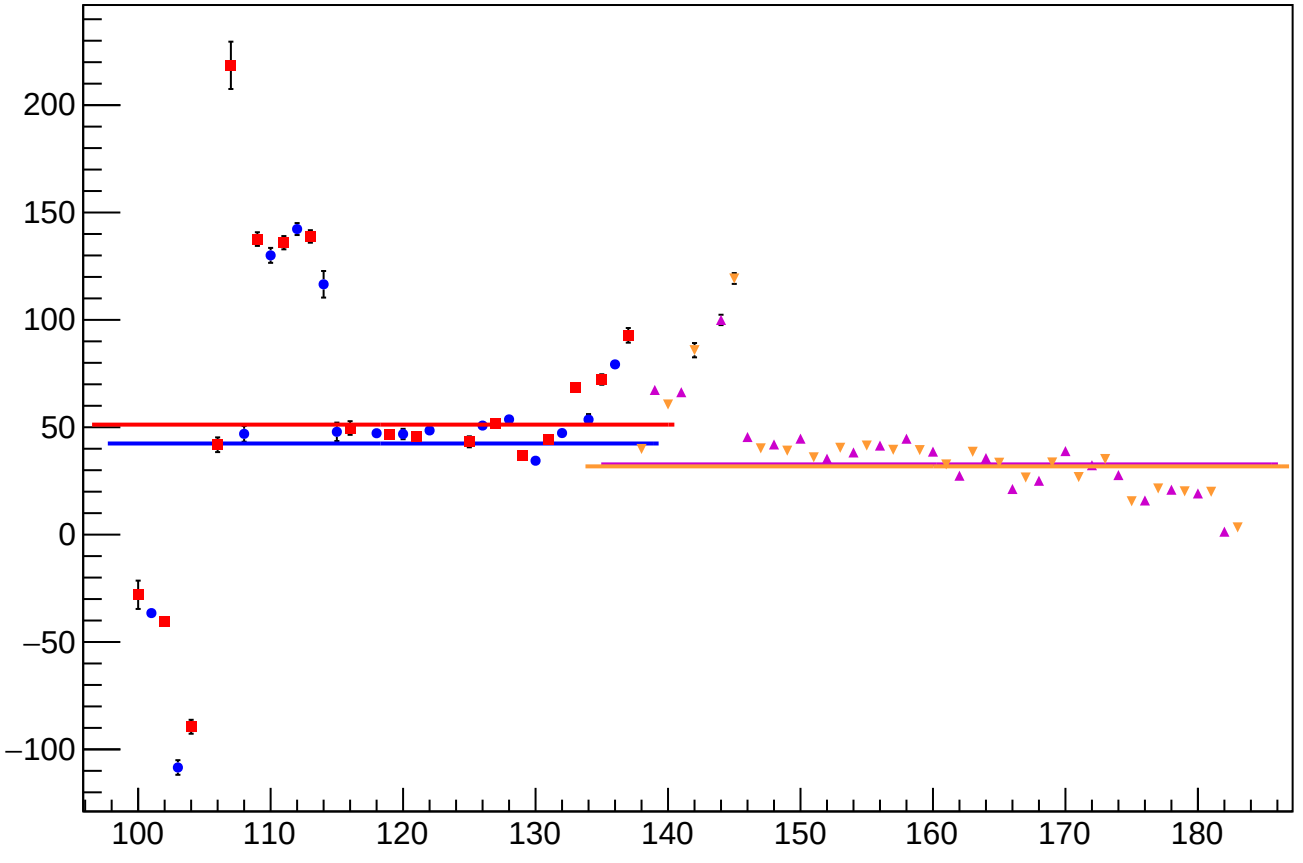
Left In: 5.272+/-0.298 χ^2/NDF:286.2/21

+ sign 6.730+/-0.254 χ^2/NDF: 1241.6/38

All: 7.075+/-0.182 χ^2/NDF: 2126.3/78

- sign 7.440+/-0.261 χ^2/NDF: 880.9/39

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 31.784+/-0.379 χ^2/NDF:2718.7/22

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

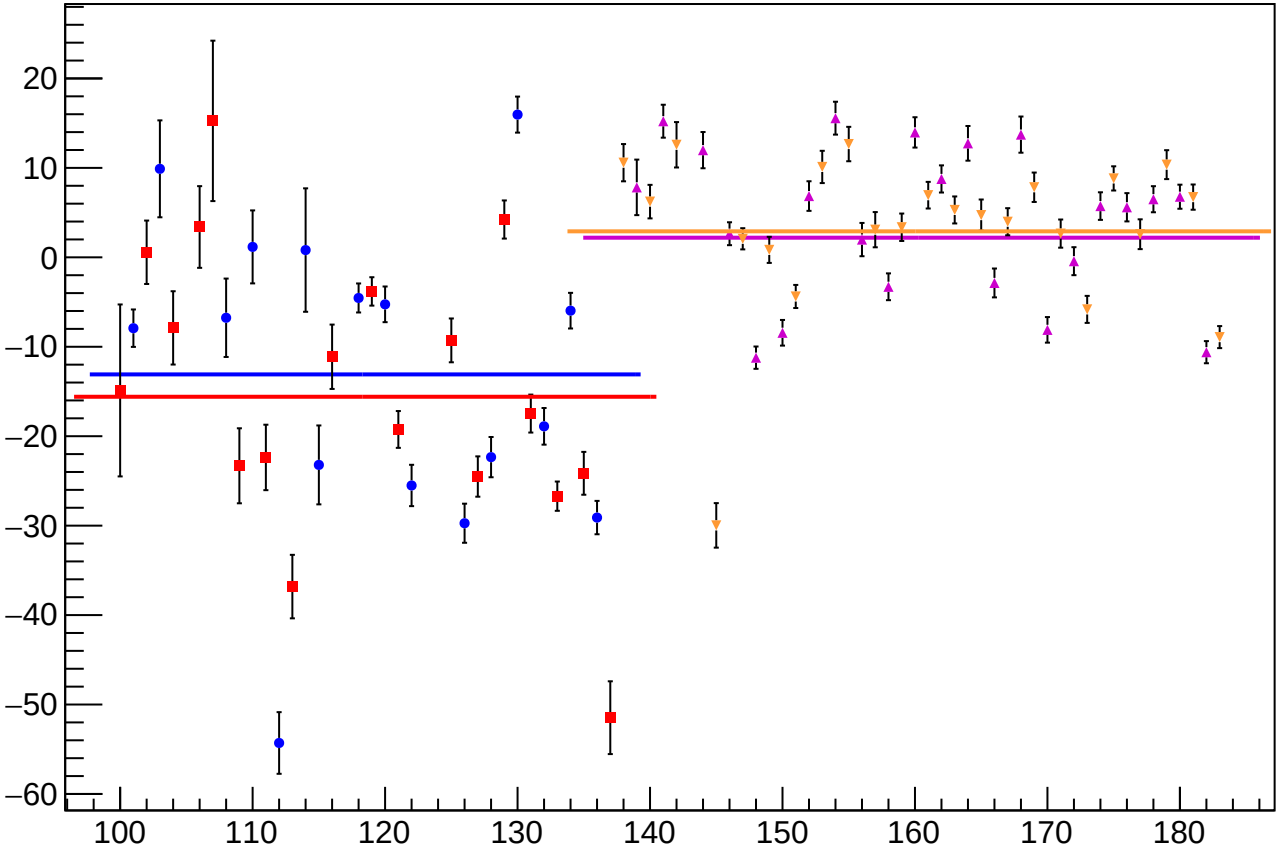
Left In: 32.706+/-0.384 χ^2/NDF:2625.9/21

+ sign 34.940+/-0.318 χ^2/NDF: 10121.5/38

All: 36.388+/-0.228 χ^2/NDF: 20053.7/78

- sign 37.908+/-0.326 χ^2/NDF: 9889.7/39

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.906+/-0.330 χ^2/NDF:475.6/22

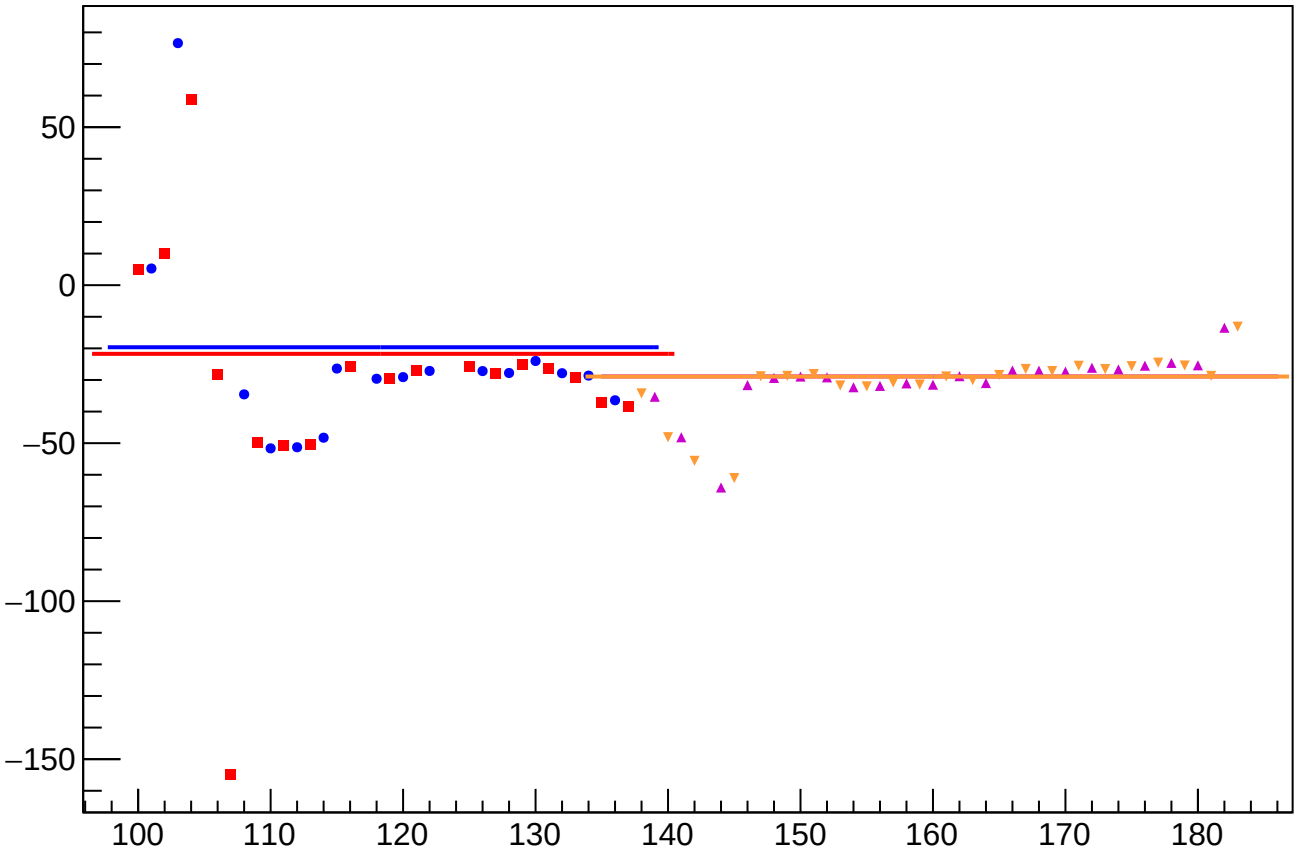
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.195+/-0.336 χ^2/NDF:652.4/21

\+ sign -0.809+/-0.289 χ^2/NDF: 1661.7/38

All: -1.282+/-0.207 χ^2/NDF: 3346.4/78

\- sign -1.778+/-0.296 χ^2/NDF: 1679.3/39



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -28.913+/-0.015 χ^2/NDF:305467.5/22

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

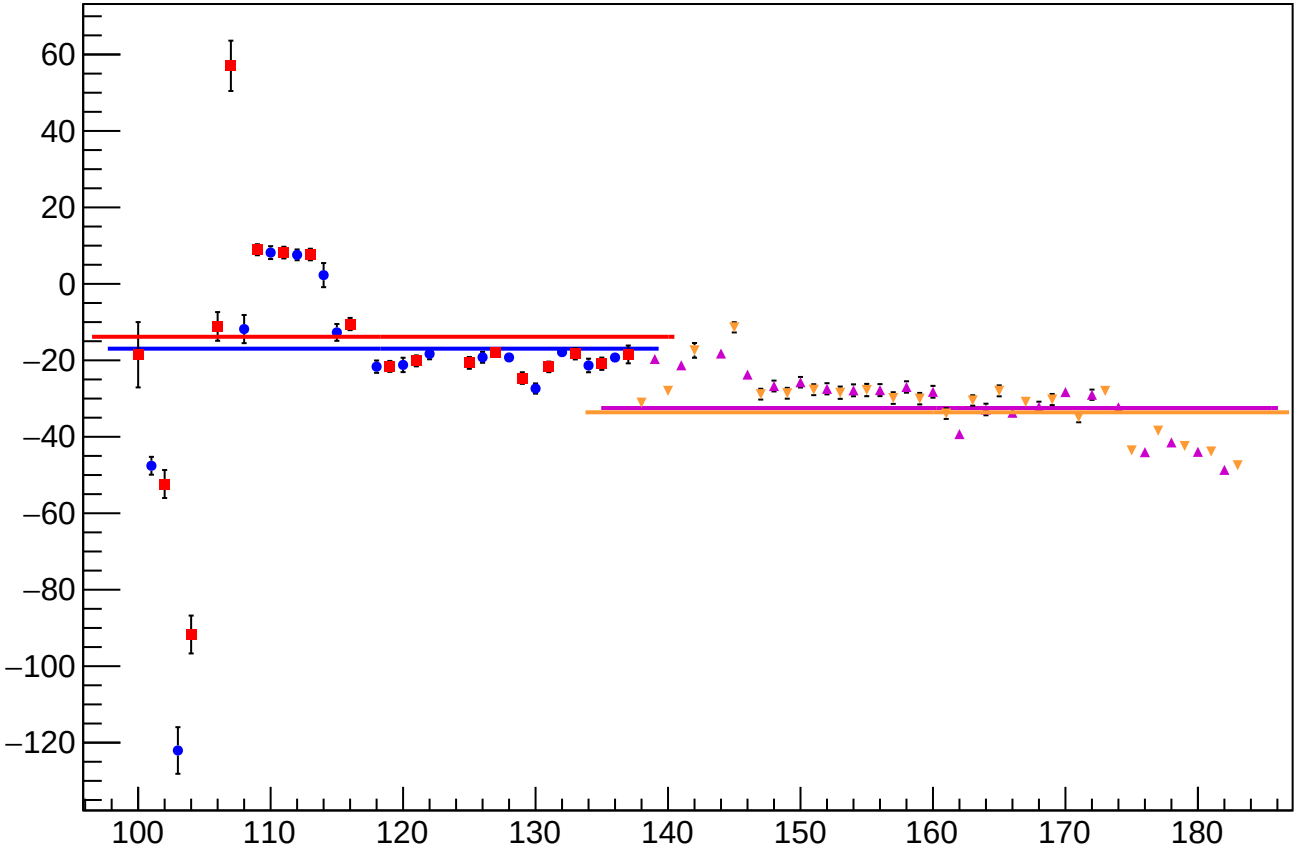
Left In: -28.886+/-0.015 χ^2/NDF:262586.0/21

+ sign -27.556+/-0.014 χ^2/NDF: 1008633.2/38

All: -27.754+/-0.010 χ^2/NDF: 1847766.9/78

- sign -27.958+/-0.014 χ^2/NDF: 838716.7/39

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -33.593+/-0.267 χ^2/NDF:1013.3/22

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

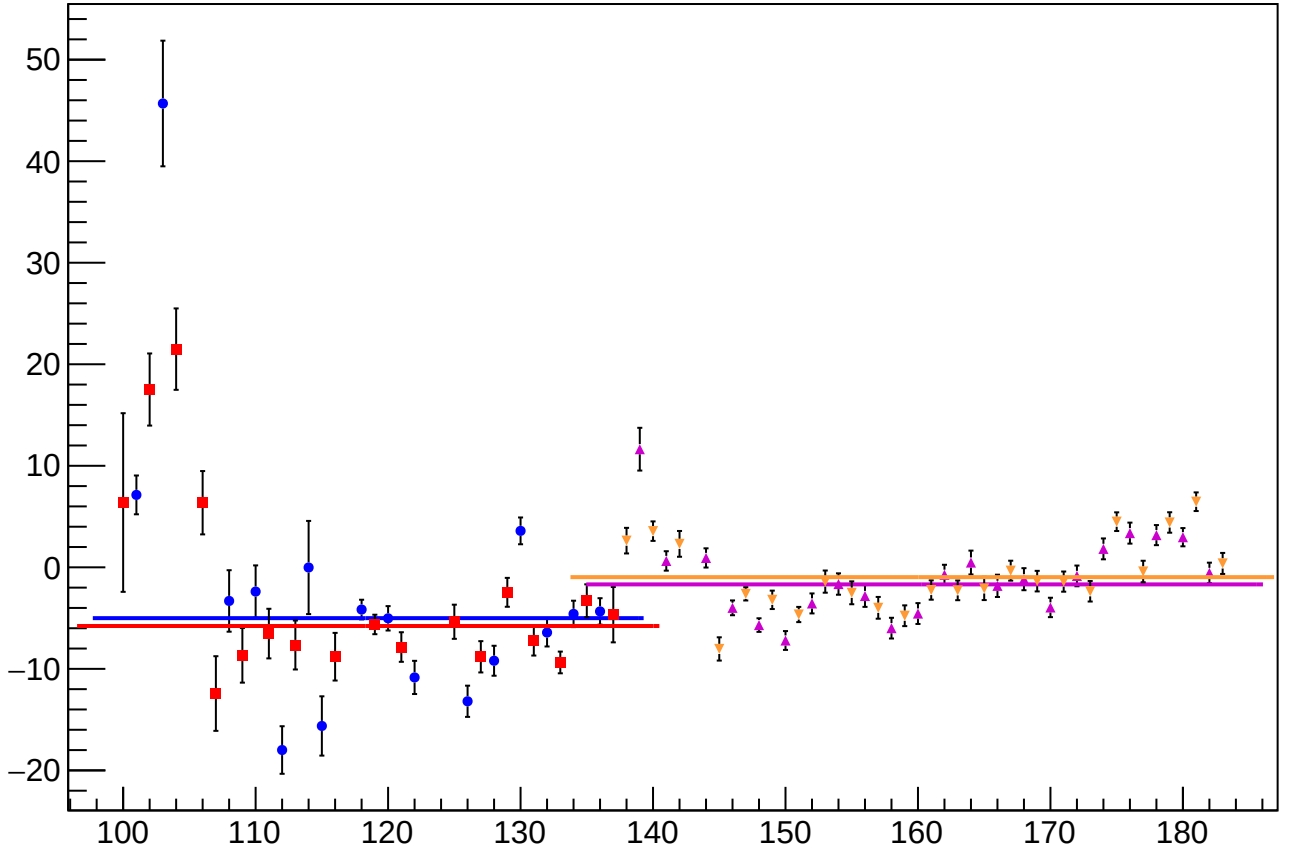
Left In: -32.463+/-0.272 χ^2/NDF:1096.0/21

+ sign -28.533+/-0.223 χ^2/NDF: 3323.5/38

All: -27.663+/-0.159 χ^2/NDF: 7221.7/78

- sign -26.764+/-0.226 χ^2/NDF: 3867.2/39

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -0.967+/-0.204 χ^2/NDF:274.1/22

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

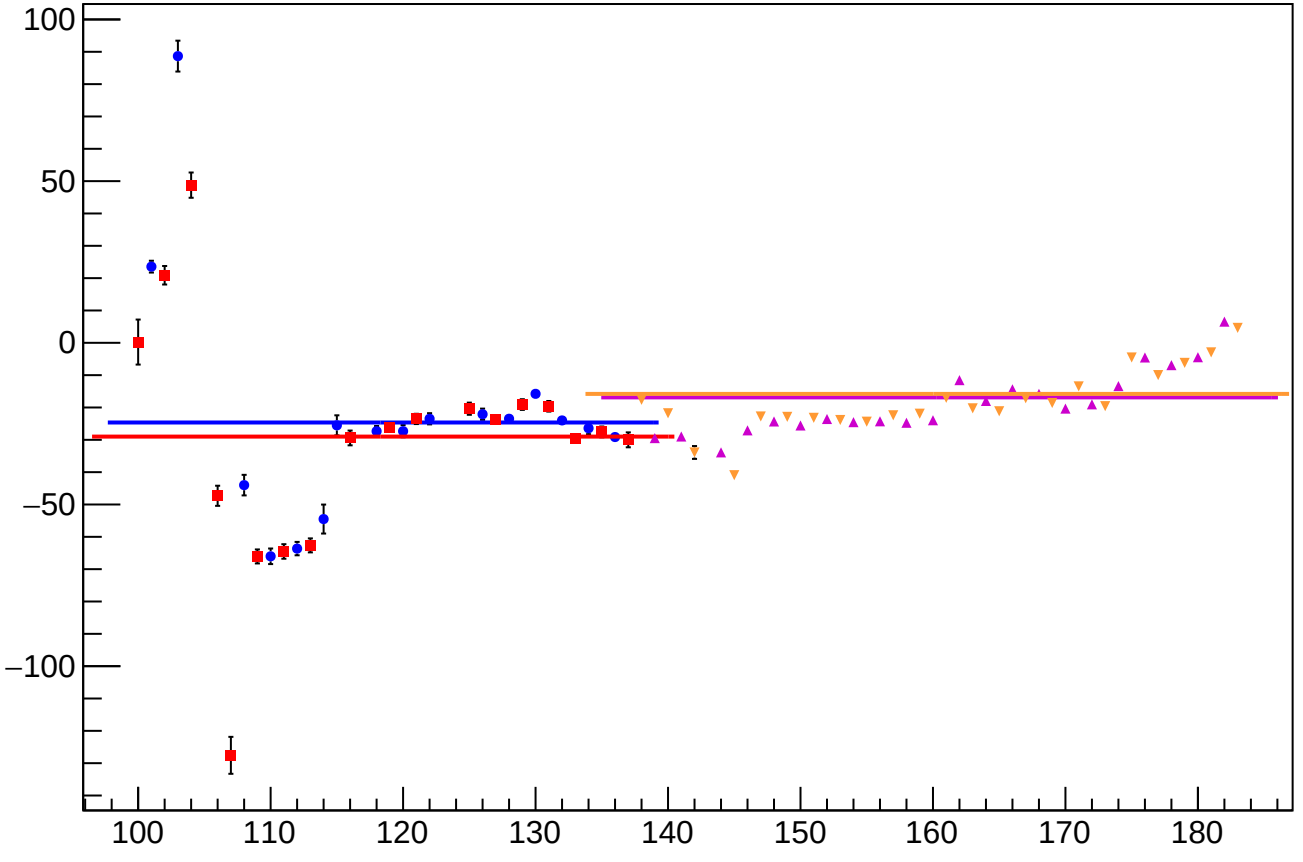
Left In: -1.681+/-0.208 χ^2/NDF:263.6/21

+ sign -1.796+/-0.182 χ^2/NDF: 602.4/38

All: -2.135+/-0.130 χ^2/NDF: 1089.0/78

- sign -2.492+/-0.187 χ^2/NDF: 479.5/39

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -15.799+/-0.265 χ^2/NDF:1502.6/22

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

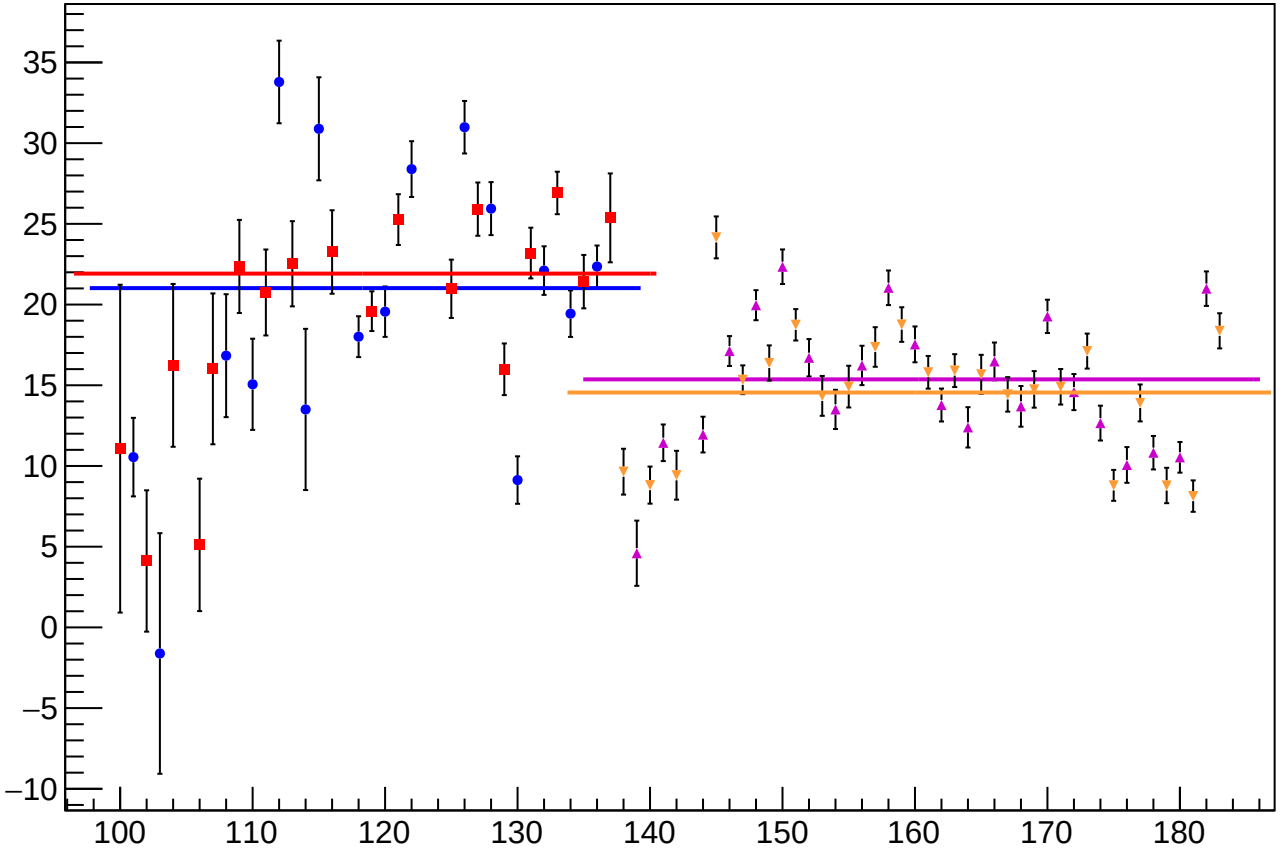
Left In: -16.878+/-0.269 χ^2/NDF:1595.3/21

+ sign -18.035+/-0.229 χ^2/NDF: 3836.7/38

All: -18.907+/-0.164 χ^2/NDF: 7907.1/78

- sign -19.818+/-0.234 χ^2/NDF: 4040.8/39

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 14.551+/-0.231 χ^2/NDF:275.8/22

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

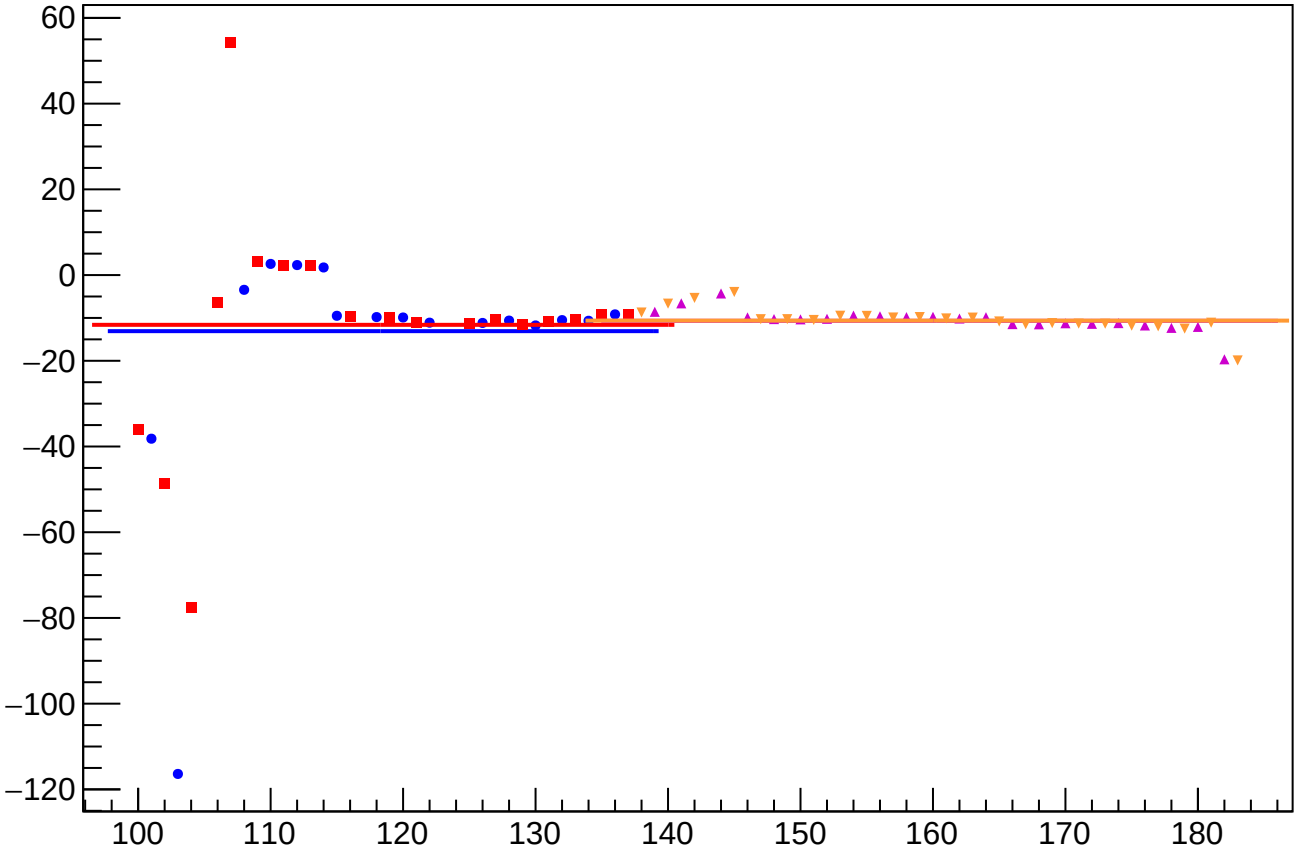
Left In: 15.366+/-0.235 χ^2/NDF:283.9/21

+ sign 15.861+/-0.206 χ^2/NDF: 644.4/38

All: 16.241+/-0.147 χ^2/NDF: 1168.9/78

- sign 16.640+/-0.211 χ^2/NDF: 517.5/39

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -10.626+/-0.010 χ^2/NDF:71269.2/22

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

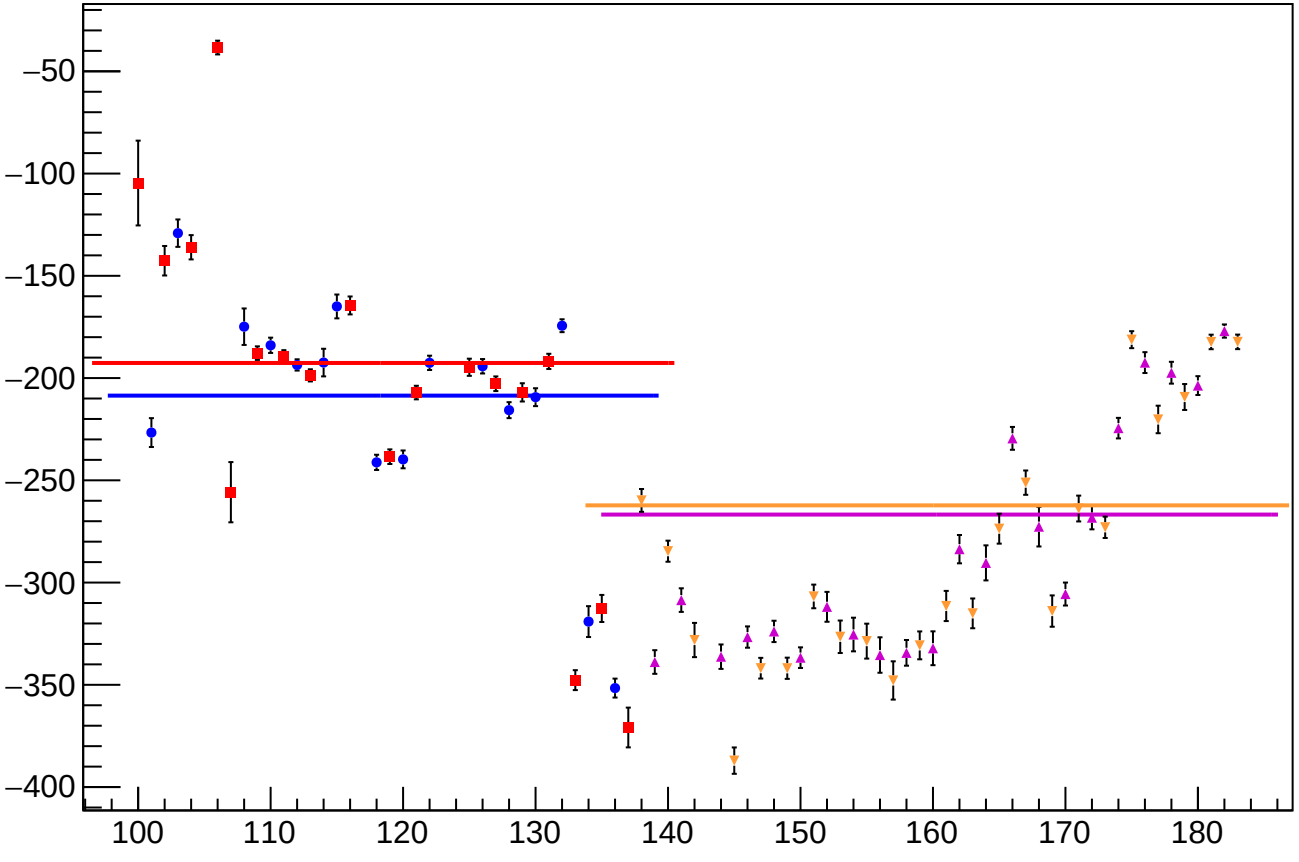
Left In: -10.680+/-0.010 χ^2/NDF:61884.4/21

+ sign -10.915+/-0.010 χ^2/NDF: 422828.6/38

All: -10.846+/-0.007 χ^2/NDF: 799813.4/78

- sign -10.774+/-0.010 χ^2/NDF: 376882.4/39

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -262.245+/-1.192 χ^2/NDF:2964.0/22

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

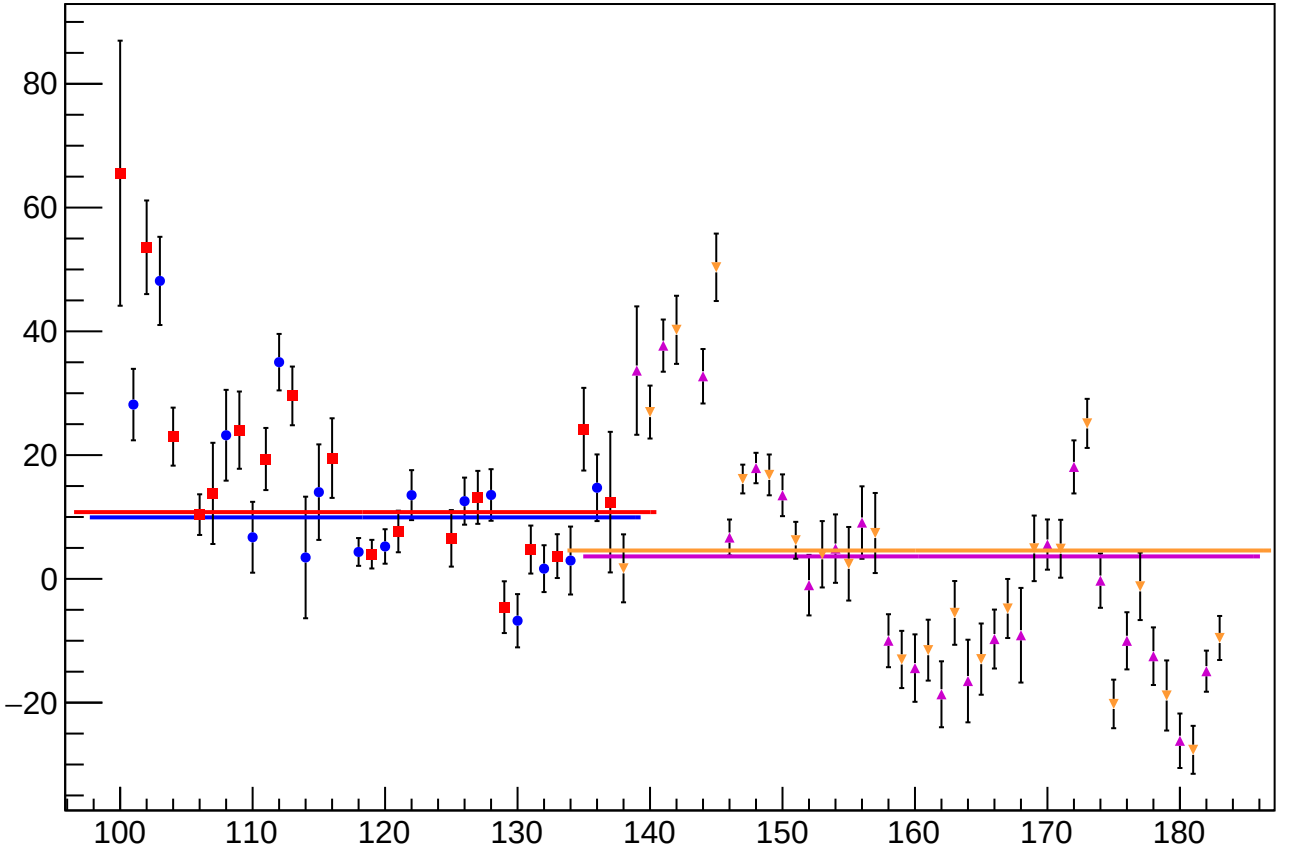
Left In: -266.751+/-1.210 χ^2/NDF:2635.2/21

+ sign -232.432+/-0.795 χ^2/NDF: 5840.1/38

All: -227.398+/-0.553 χ^2/NDF: 14993.4/78

- sign -222.671+/-0.770 χ^2/NDF: 9075.5/39

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 4.585+/-0.894 χ^2/NDF:391.3/22

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

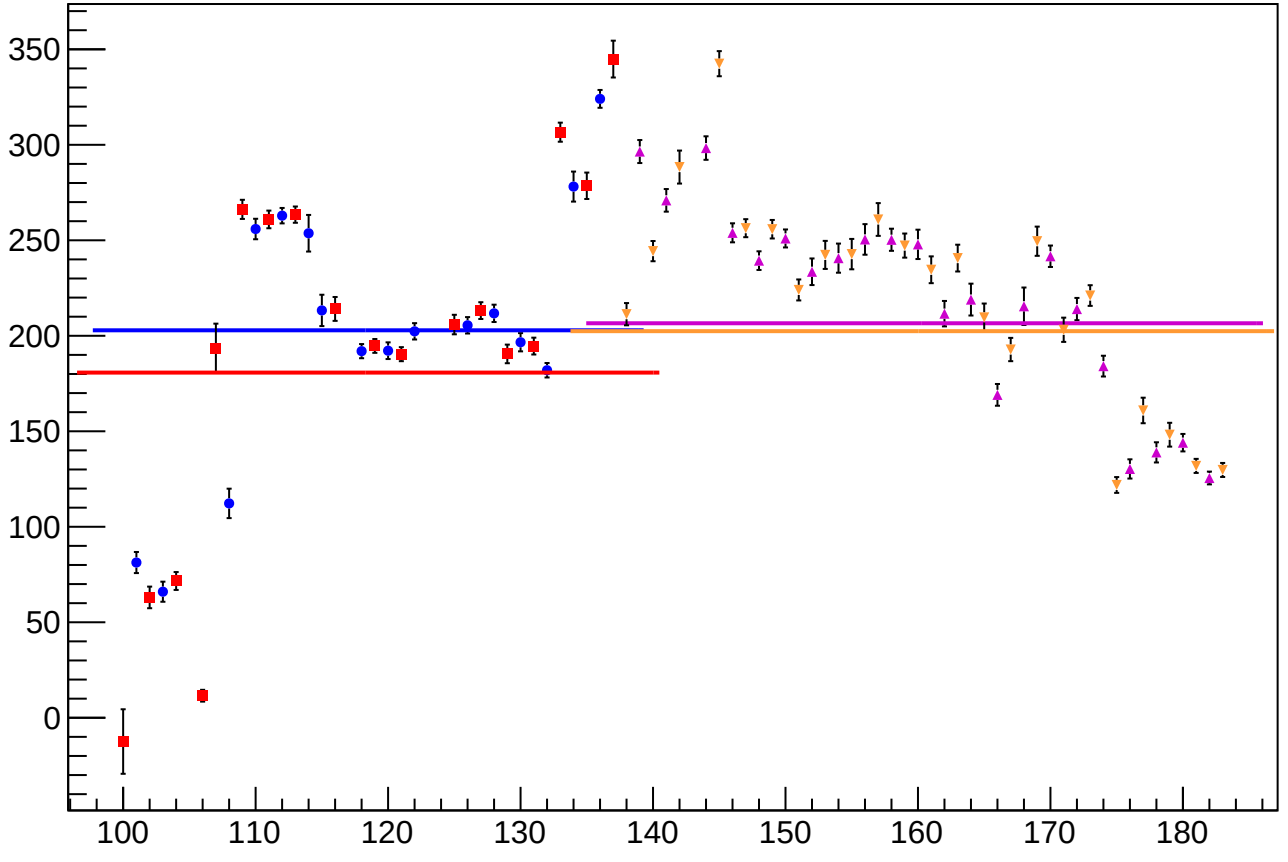
Left In: 3.628+/-0.912 χ^2/NDF:331.0/21

+ sign 6.797+/-0.685 χ^2/NDF: 512.7/38

All: 6.763+/-0.485 χ^2/NDF: 975.5/78

- sign 6.730+/-0.687 χ^2/NDF: 462.8/39

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 202.423+/-1.185 χ^2/NDF:2393.2/22

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

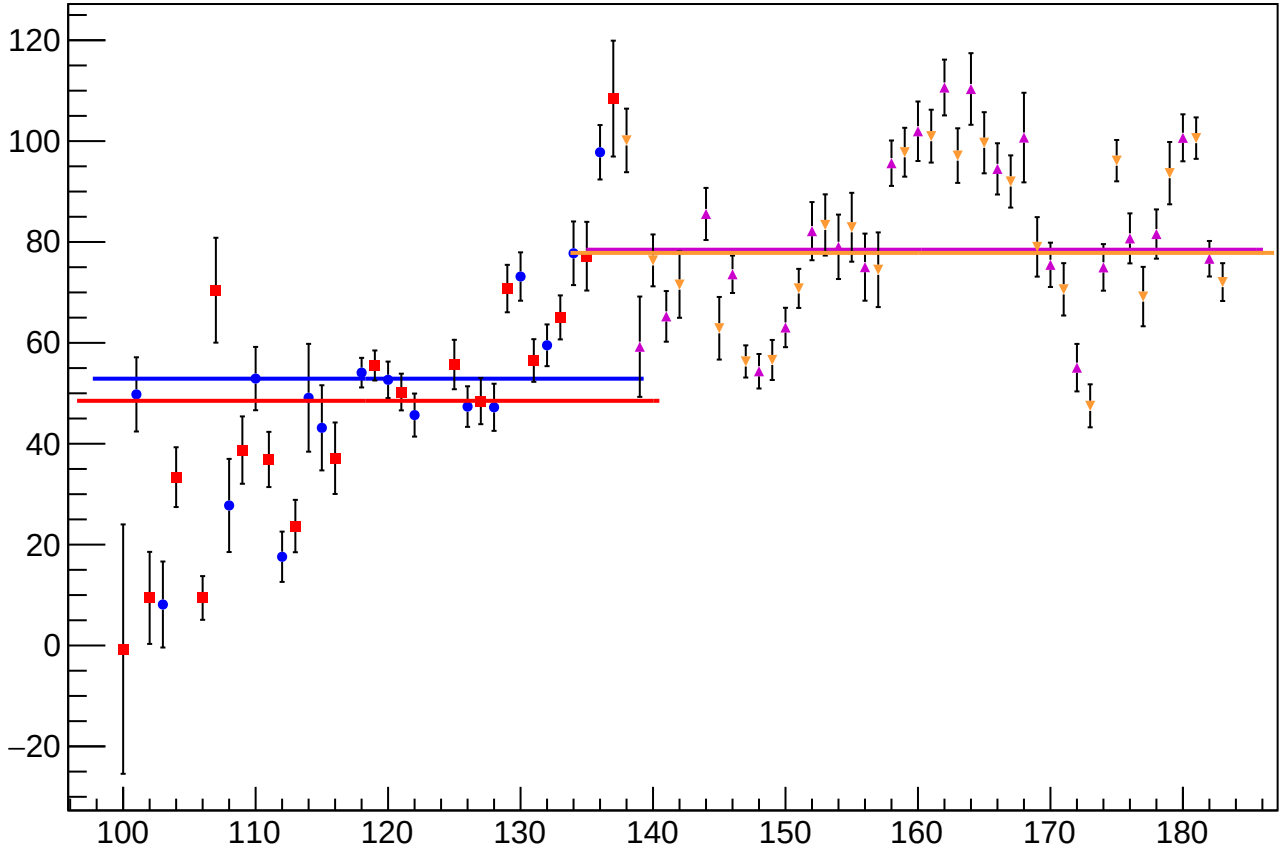
Left In: 206.563+/-1.199 χ^2/NDF:2208.9/21

+ sign 202.641+/-0.852 χ^2/NDF: 4857.5/38

All: 197.699+/-0.594 χ^2/NDF: 13722.8/78

- sign 193.035+/-0.828 χ^2/NDF: 8799.8/39

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 77.839+/-1.025 χ^2/NDF:282.2/22

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

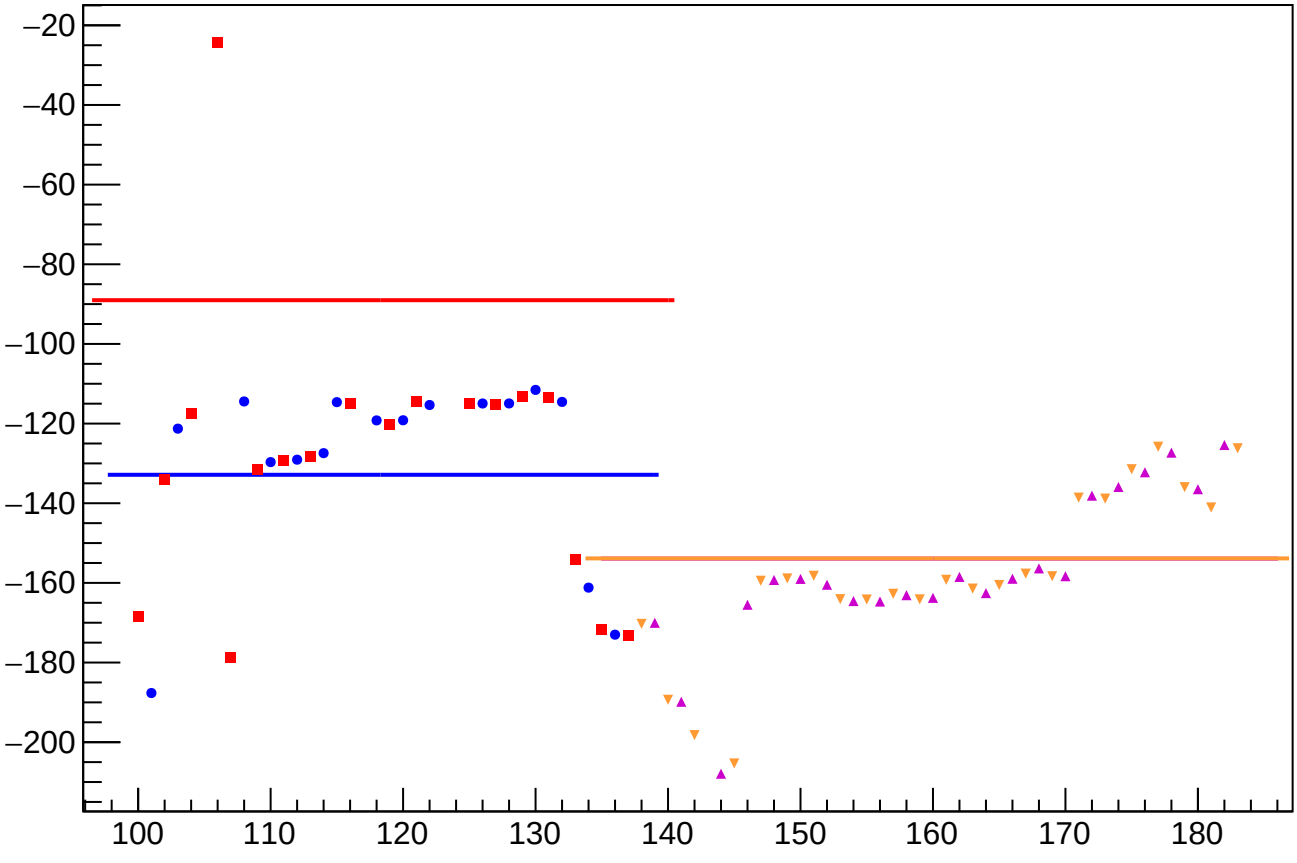
Left In: 78.469+/-1.041 χ^2/NDF:230.0/21

+ sign 67.725+/-0.791 χ^2/NDF: 720.4/38

All: 66.753+/-0.559 χ^2/NDF: 1544.4/78

- sign 65.783+/-0.790 χ^2/NDF: 821.0/39

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -153.852+/-0.048 χ^2/NDF:168222.6/22

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

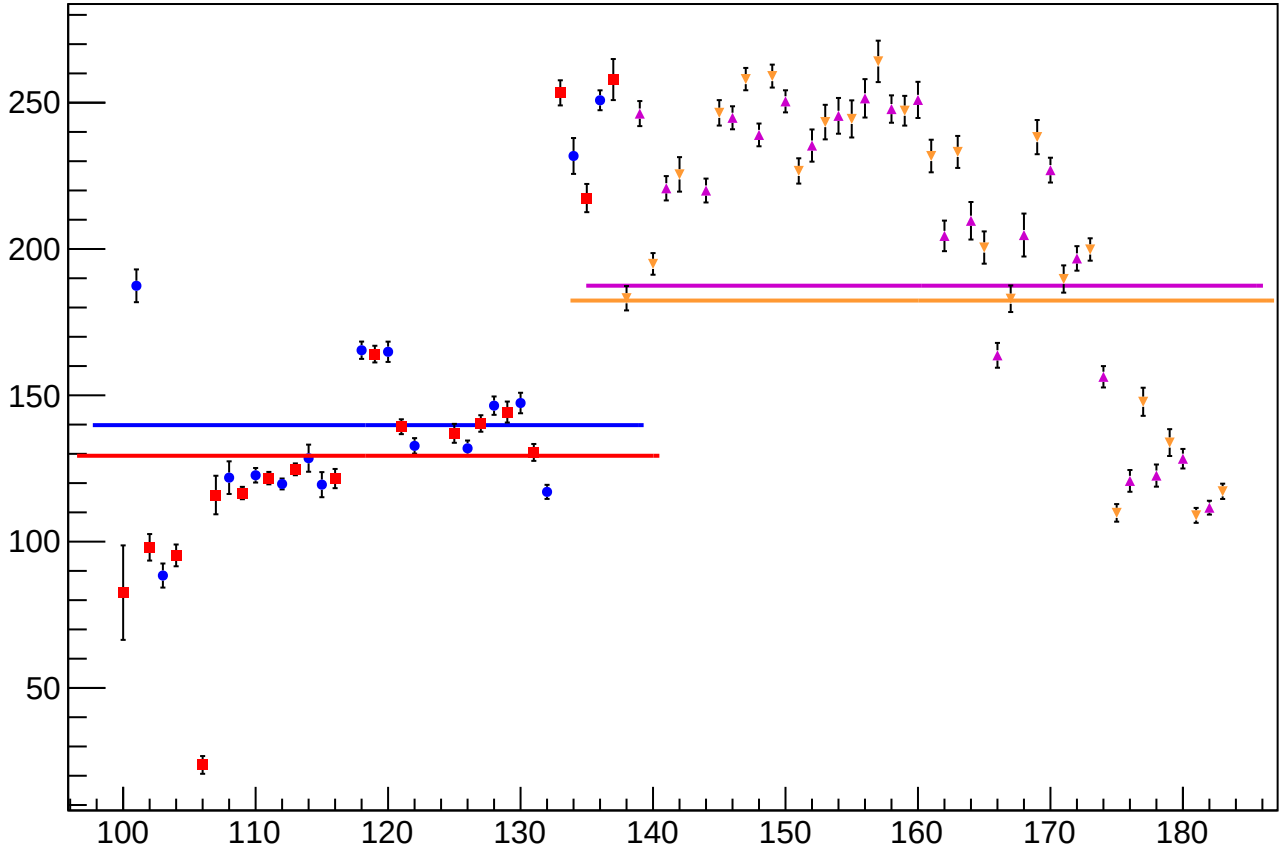
Left In: -153.908+/-0.047 χ^2/NDF:157553.1/21

+ sign -148.501+/-0.041 χ^2/NDF: 311354.4/38

All: -139.103+/-0.028 χ^2/NDF: 1956146.2/78

- sign -131.006+/-0.038 χ^2/NDF: 1547309.6/39

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 182.384+/-0.876 χ^2/NDF:4149.7/22

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

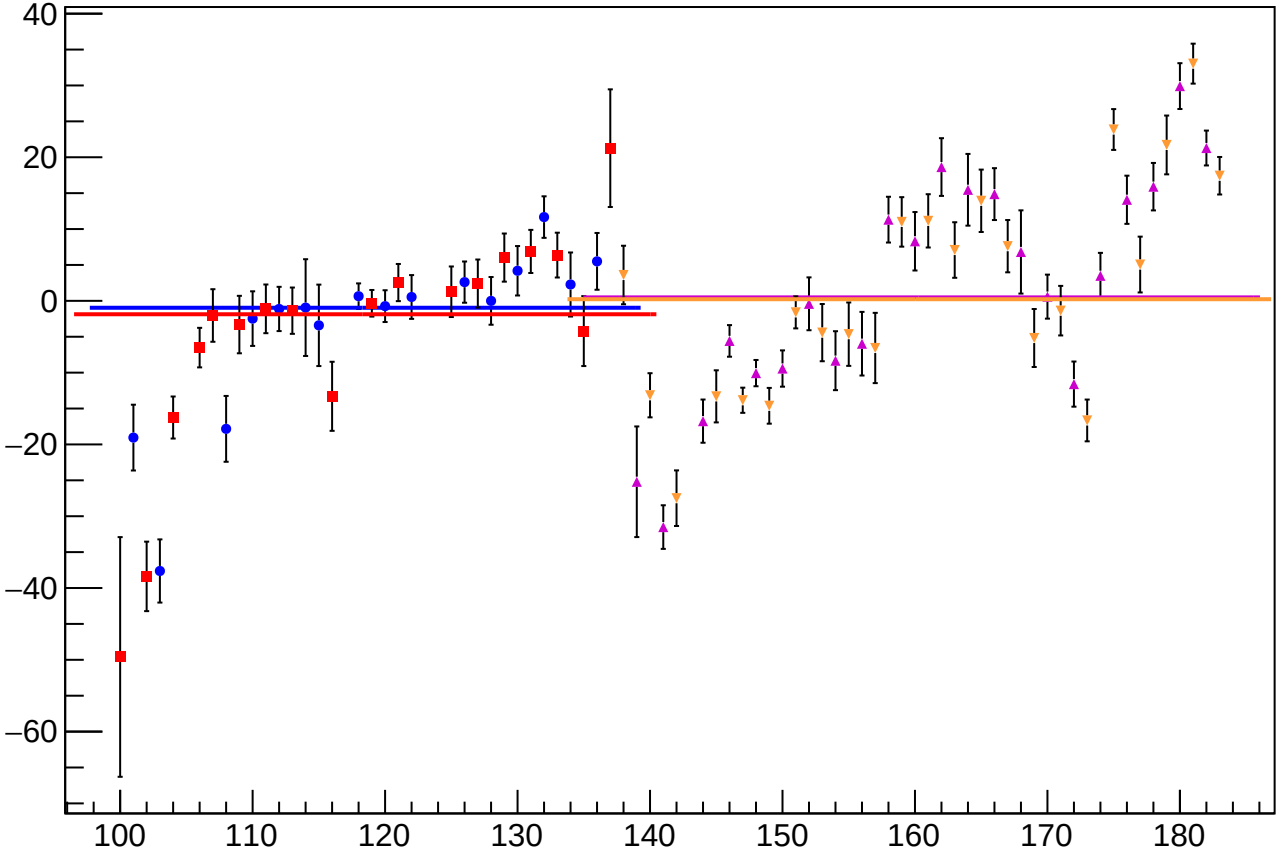
Left In: 187.461+/-0.890 χ^2/NDF:3699.2/21

+ sign 158.770+/-0.584 χ^2/NDF: 7426.0/38

All: 155.731+/-0.407 χ^2/NDF: 16837.7/78

- sign 152.875+/-0.566 χ^2/NDF: 9359.2/39

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: 0.227+/-0.660 χ^2/NDF:541.8/22

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

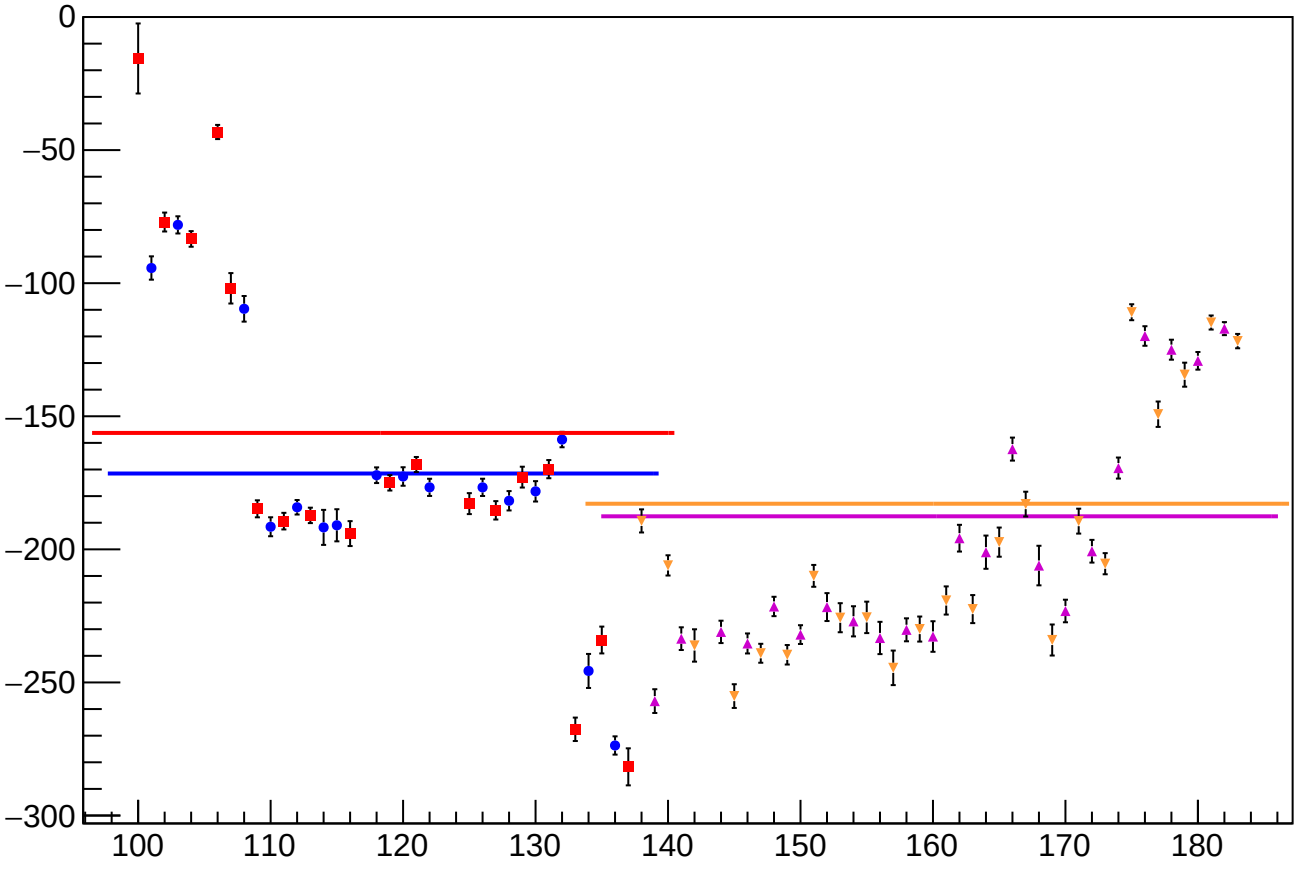
Left In: 0.482+/-0.674 χ^2/NDF:491.7/21

+ sign -0.249+/-0.511 χ^2/NDF: 669.2/38

All: -0.383+/-0.361 χ^2/NDF: 1299.4/78

- sign -0.518+/-0.511 χ^2/NDF: 630.1/39

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -182.859+/-0.871 χ^2/NDF:3354.7/22

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

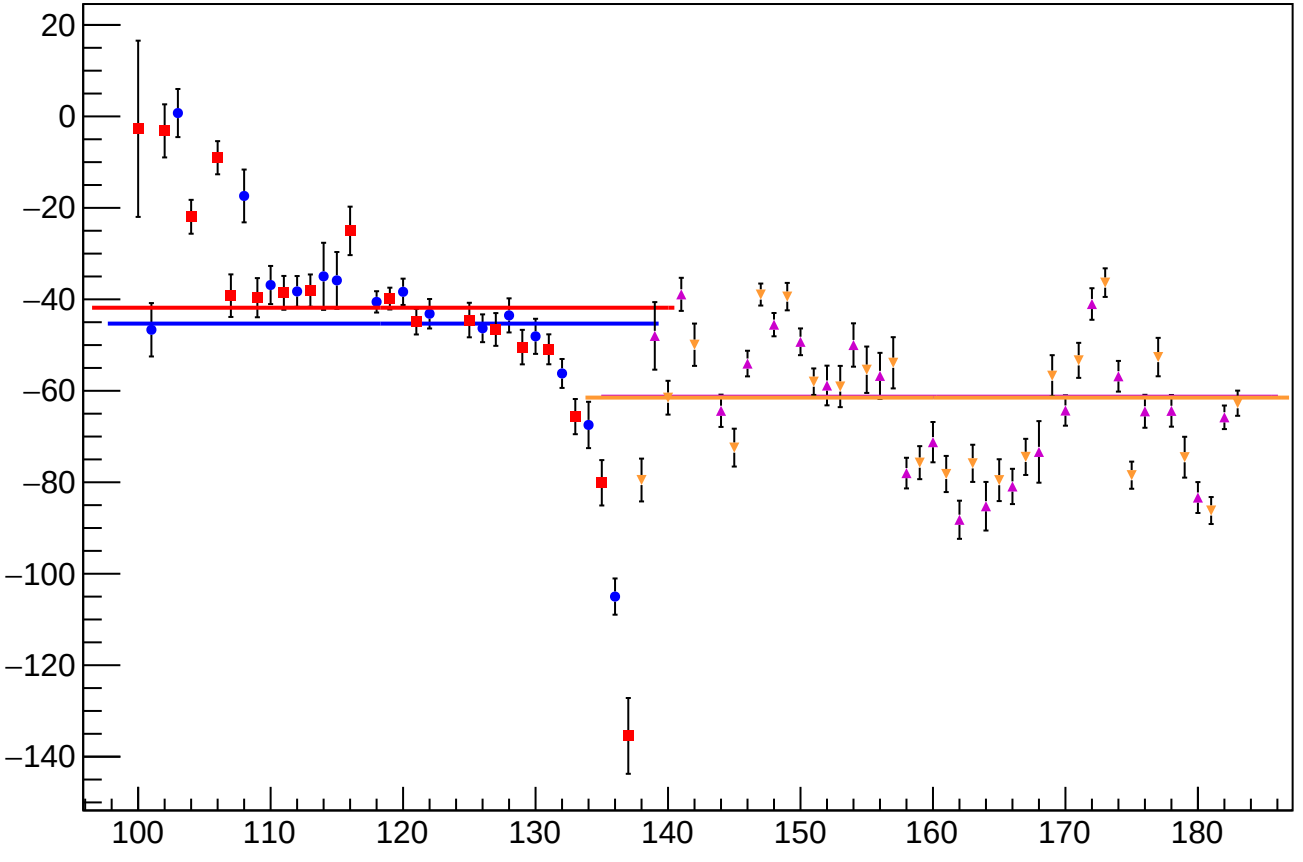
Left In: -187.586+/-0.883 χ^2/NDF:3086.2/21

+ sign -177.411+/-0.628 χ^2/NDF: 5879.0/38

All: -174.258+/-0.438 χ^2/NDF: 14573.5/78

- sign -171.272+/-0.611 χ^2/NDF: 8645.5/39

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -61.482+/-0.757 χ^2/NDF:433.4/22

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

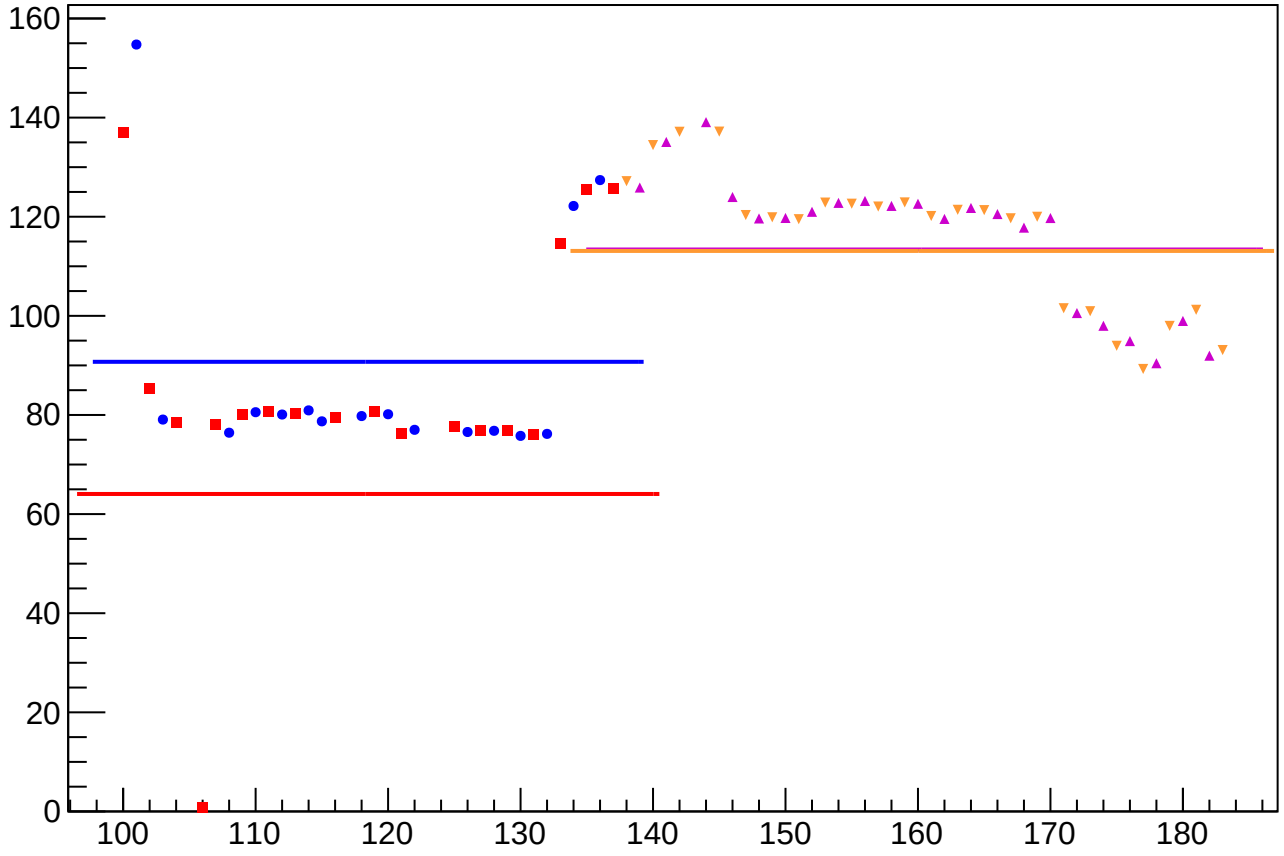
Left In: -61.285+/-0.768 χ^2/NDF:316.2/21

+ sign -55.103+/-0.589 χ^2/NDF: 995.8/38

All: -54.141+/-0.416 χ^2/NDF: 1998.7/78

- sign -53.185+/-0.587 χ^2/NDF: 997.5/39

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 113.099+/-0.035 χ^2/NDF:165320.3/22

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

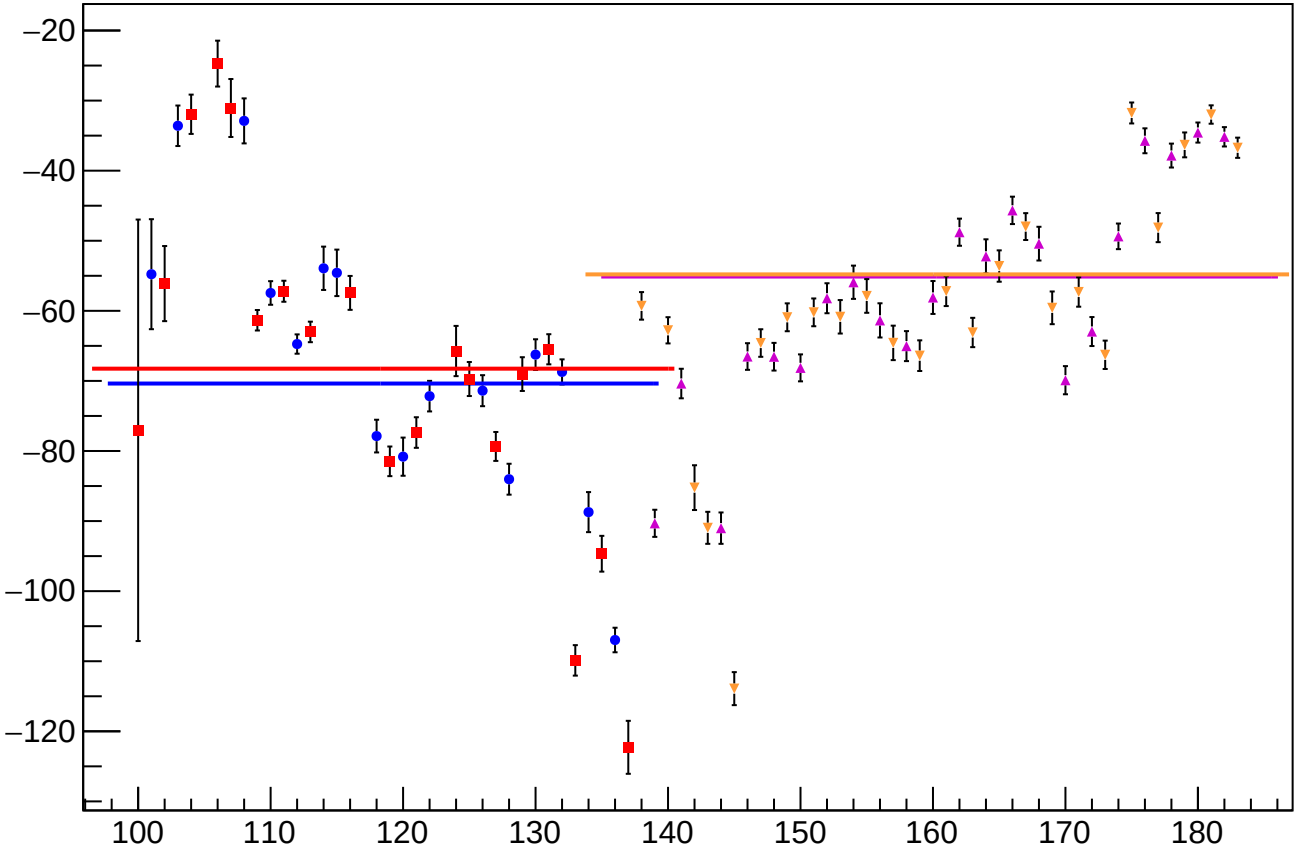
Left In: 113.387+/-0.035 χ^2/NDF:162712.9/21

+ sign 107.181+/-0.030 χ^2/NDF: 434109.6/38

All: 101.747+/-0.021 χ^2/NDF: 1985523.6/78

- sign 96.856+/-0.029 χ^2/NDF: 1489407.1/39

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -54.799+/-0.404 χ^2/NDF:1971.7/23

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

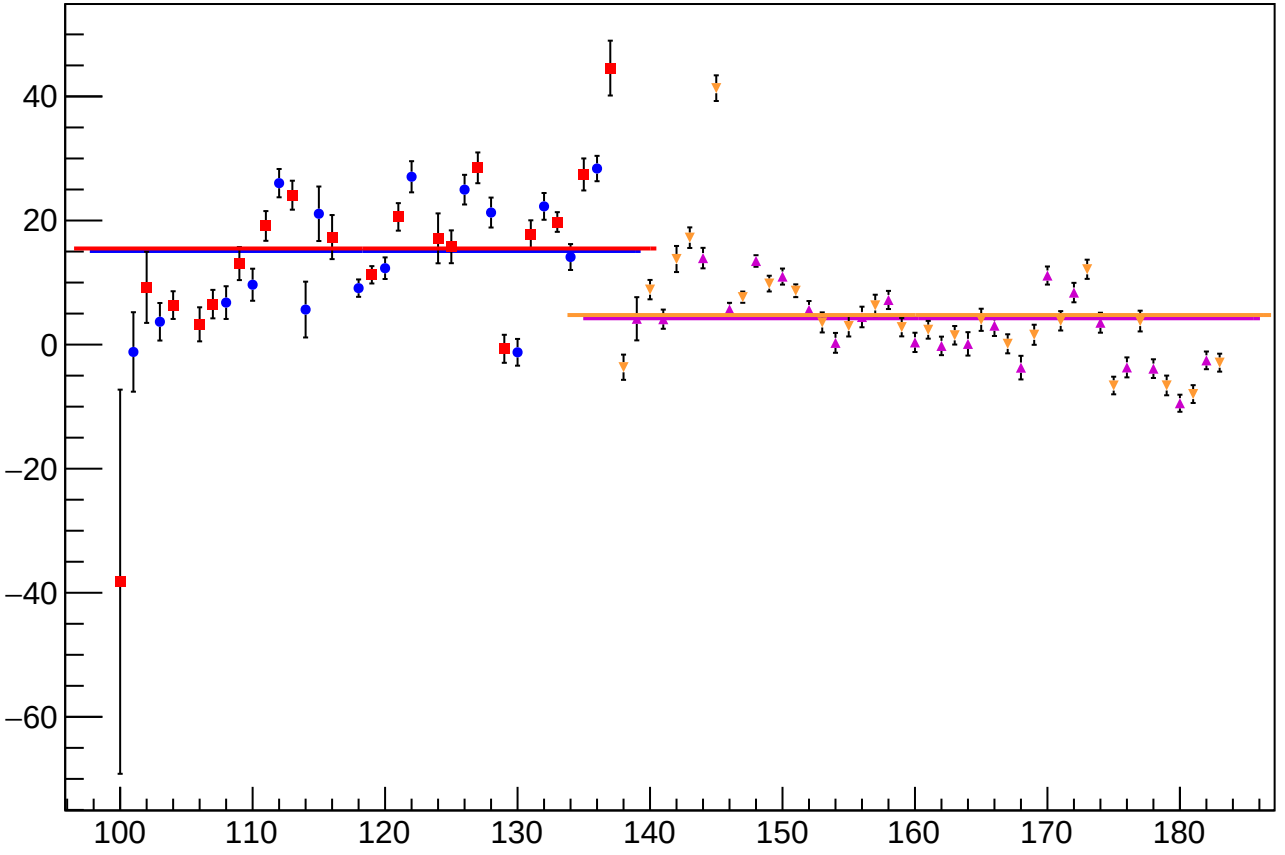
Left In: -55.108+/-0.416 χ^2/NDF:1541.0/21

+ sign -60.153+/-0.327 χ^2/NDF: 3458.4/39

All: -60.155+/-0.231 χ^2/NDF: 6689.0/80

- sign -60.156+/-0.326 χ^2/NDF: 3230.6/40

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 4.764+/-0.303 χ^2/NDF:721.9/23

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

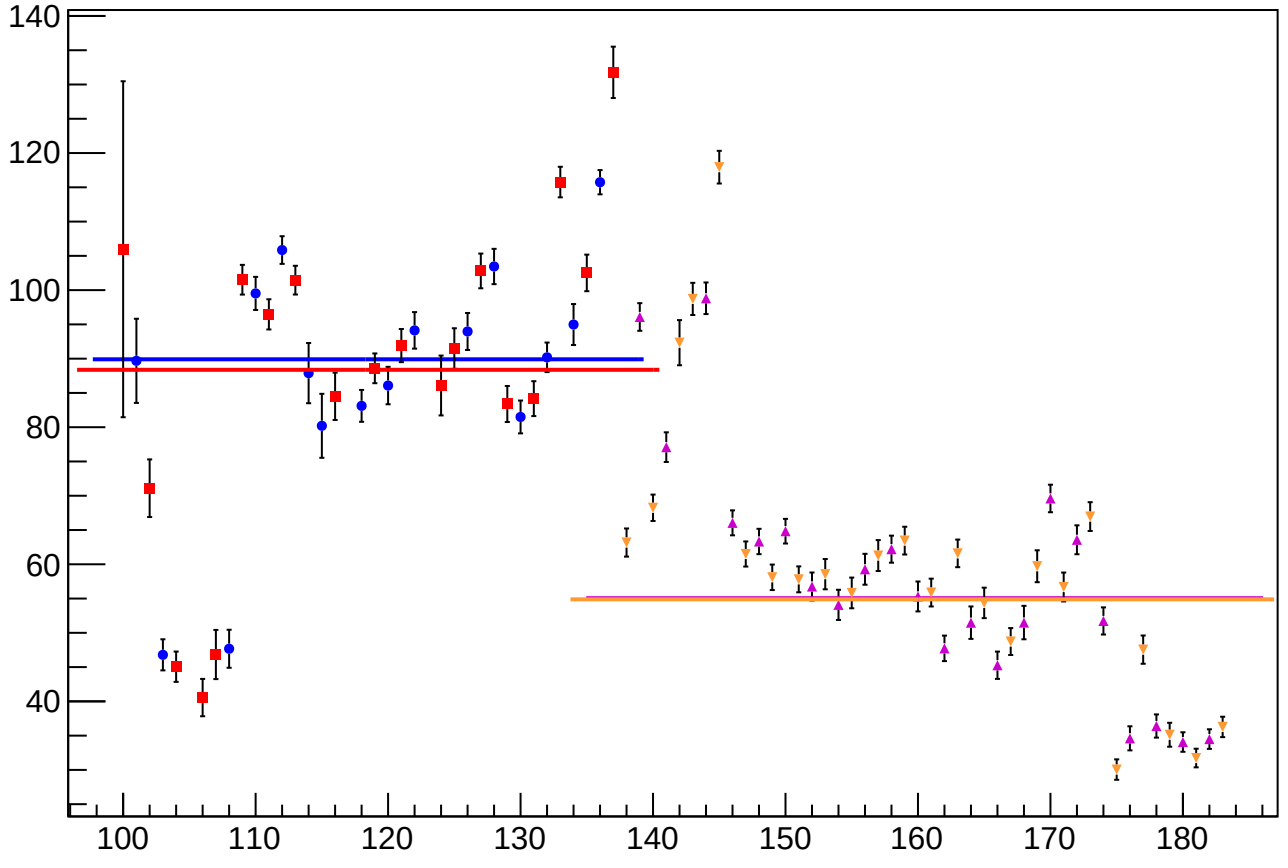
Left In: 4.243+/-0.315 χ^2/NDF:414.6/21

+ sign 6.975+/-0.269 χ^2/NDF: 1212.8/39

All: 6.967+/-0.192 χ^2/NDF: 2174.6/80

- sign 6.959+/-0.274 χ^2/NDF: 961.9/40

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 54.884+/-0.400 χ^2/NDF:2212.6/23

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

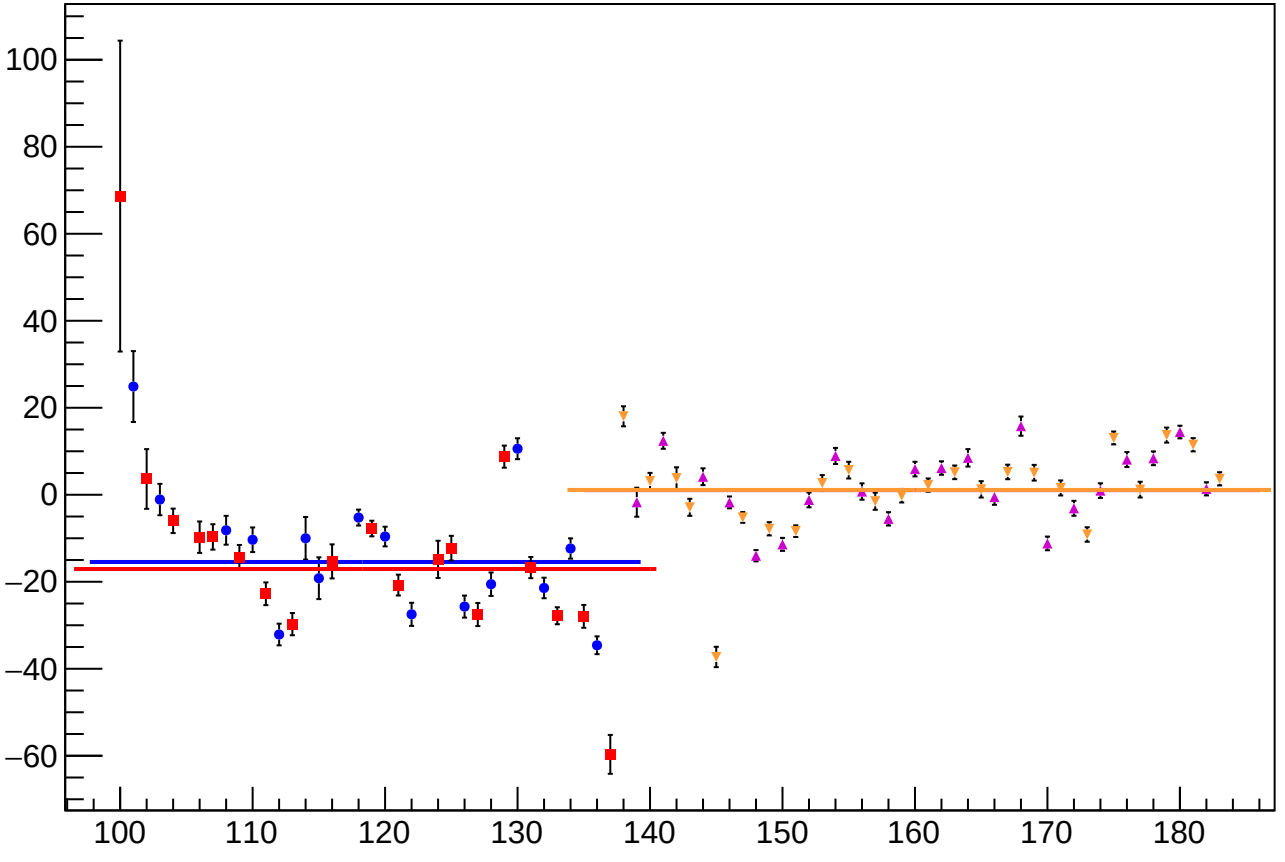
Left In: 55.055+/-0.411 χ^2/NDF:1778.8/21

\+ sign 64.697+/-0.339 χ^2/NDF: 5311.3/39

All: 64.981+/-0.241 χ^2/NDF: 10399.9/80

\- sign 65.269+/-0.342 χ^2/NDF: 5087.2/40

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 1.109+/-0.345 χ^2/NDF:672.3/23

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

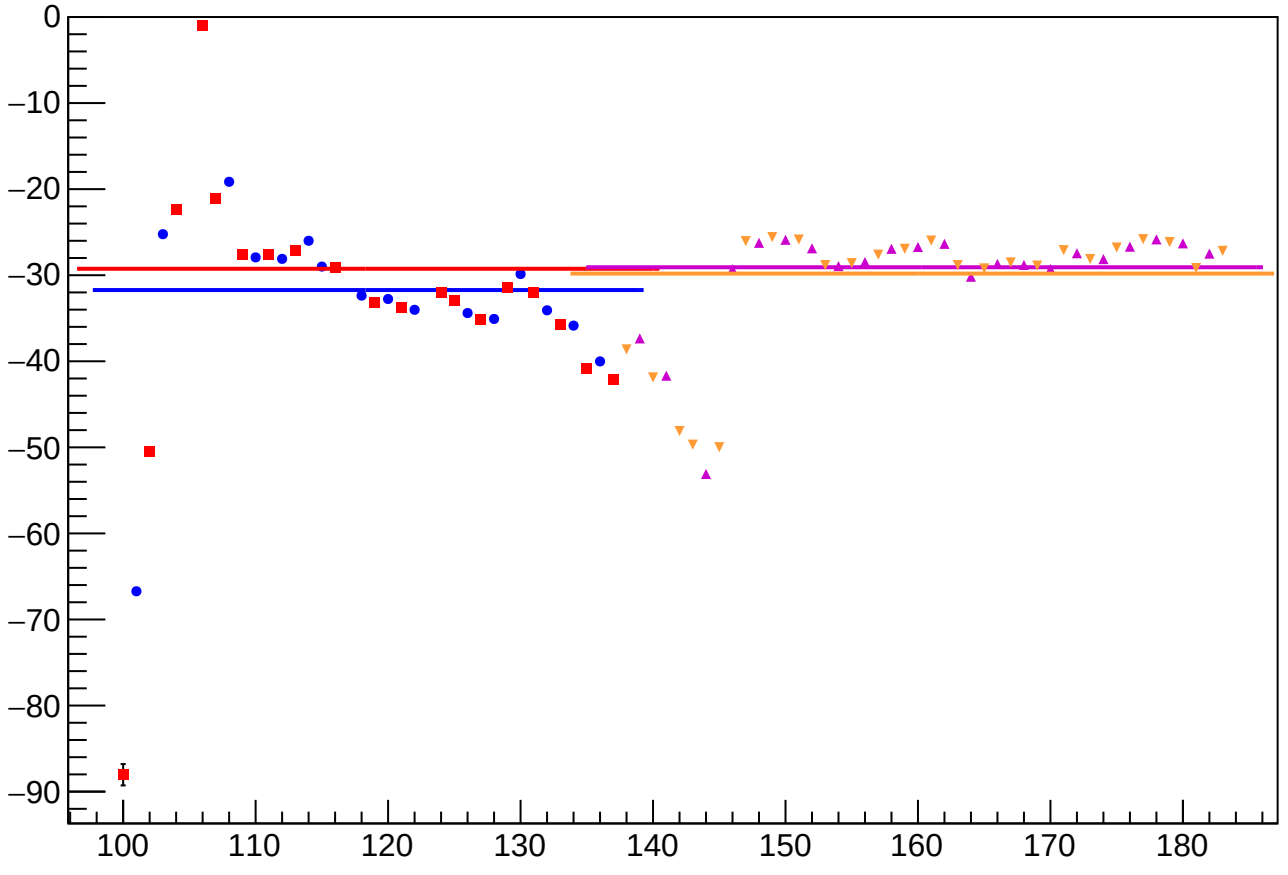
Left In: 1.069+/-0.357 χ^2/NDF:555.2/21

+ sign -2.403+/-0.306 χ^2/NDF: 1546.9/39

All: -2.790+/-0.219 χ^2/NDF: 3073.7/80

- sign -3.192+/-0.312 χ^2/NDF: 1523.5/40

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -29.812+/-0.016 χ^2/NDF:162809.2/23

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

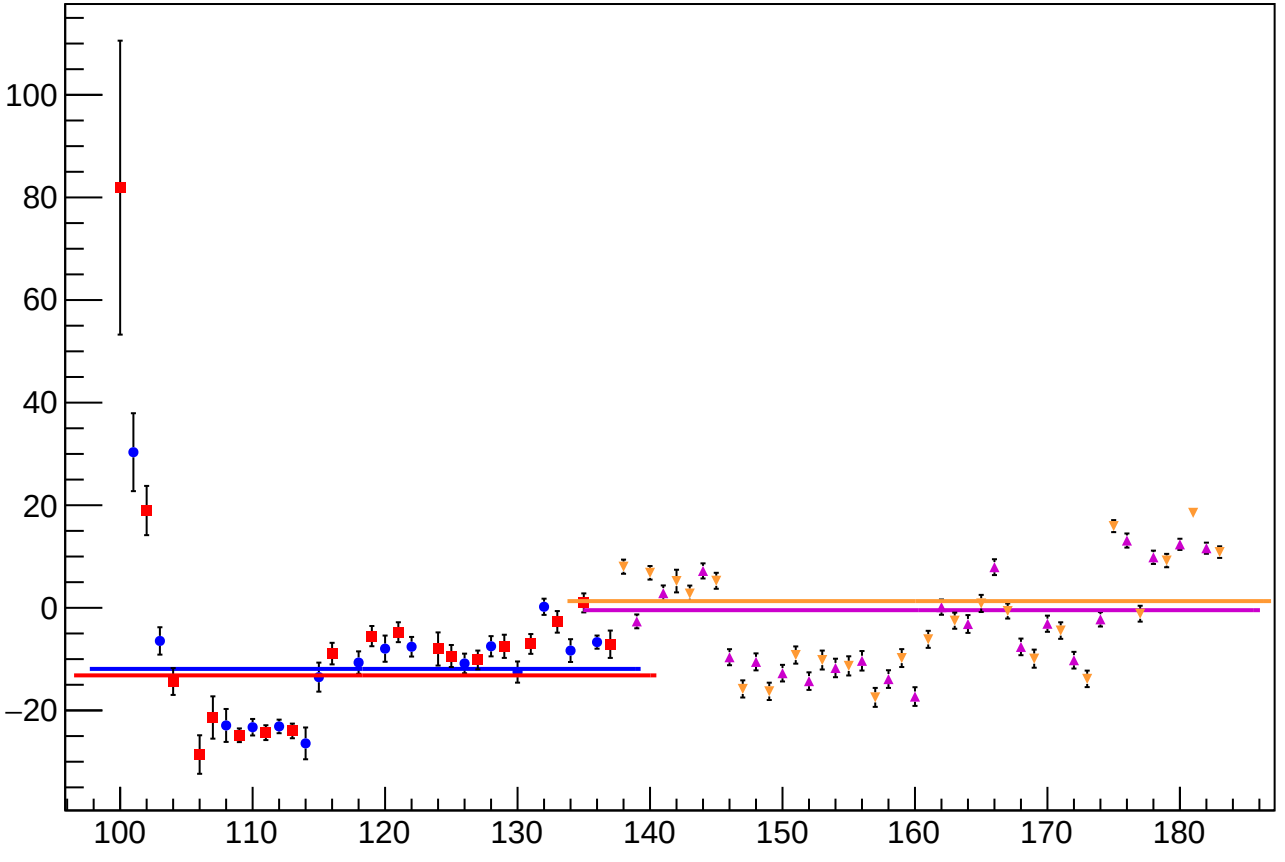
Left In: -29.074+/-0.016 χ^2/NDF:101536.0/21

+ sign -30.085+/-0.015 χ^2/NDF: 204559.9/39

All: -29.599+/-0.010 χ^2/NDF: 403611.6/80

- sign -29.100+/-0.015 χ^2/NDF: 196789.9/40

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 1.309+/-0.307 χ^2/NDF:1272.4/23

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

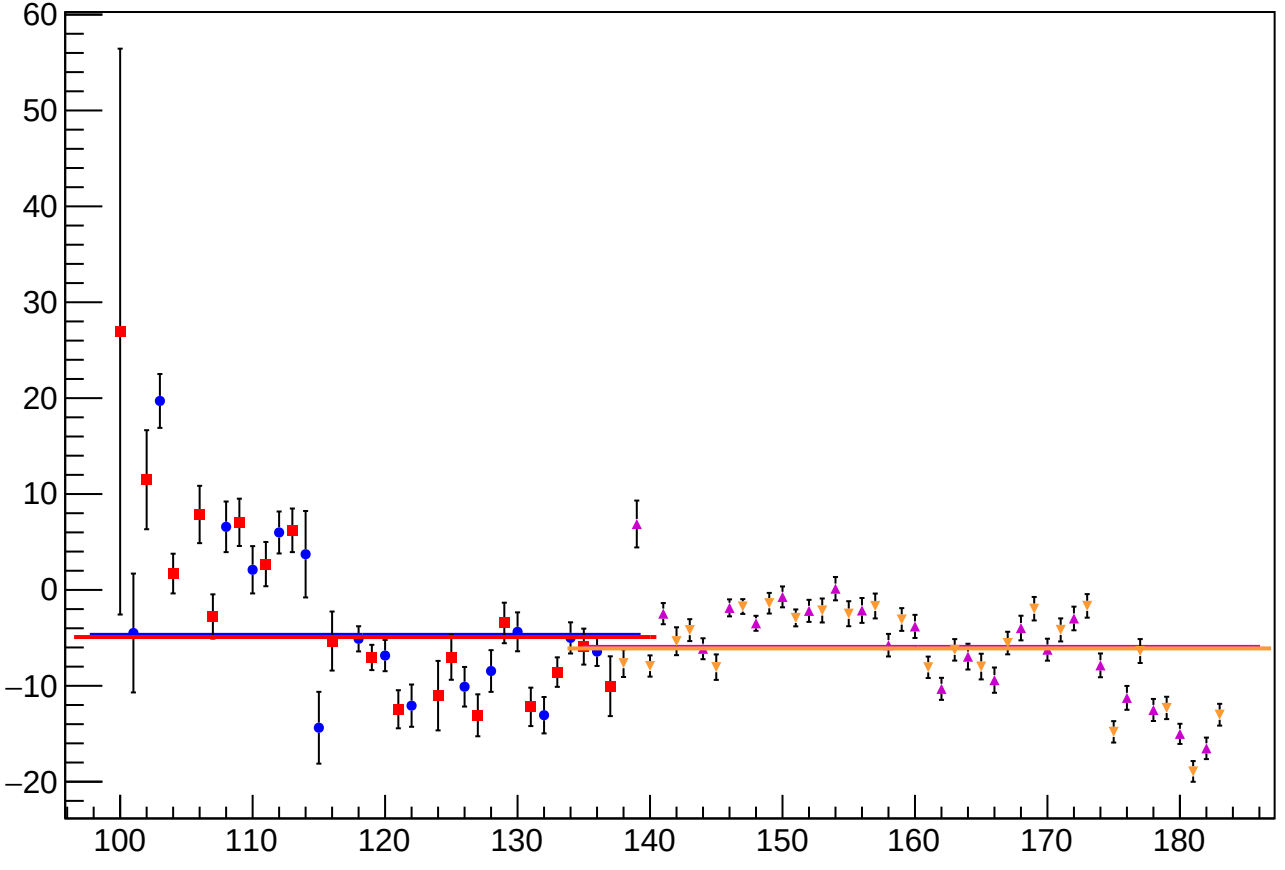
Left In: -0.459+/-0.319 χ^2/NDF:955.5/21

+ sign -2.345+/-0.261 χ^2/NDF: 2066.7/39

All: -3.329+/-0.186 χ^2/NDF: 3959.0/80

- sign -4.346+/-0.266 χ^2/NDF: 1863.5/40

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -6.099+/-0.235 χ^2/NDF:408.6/23

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

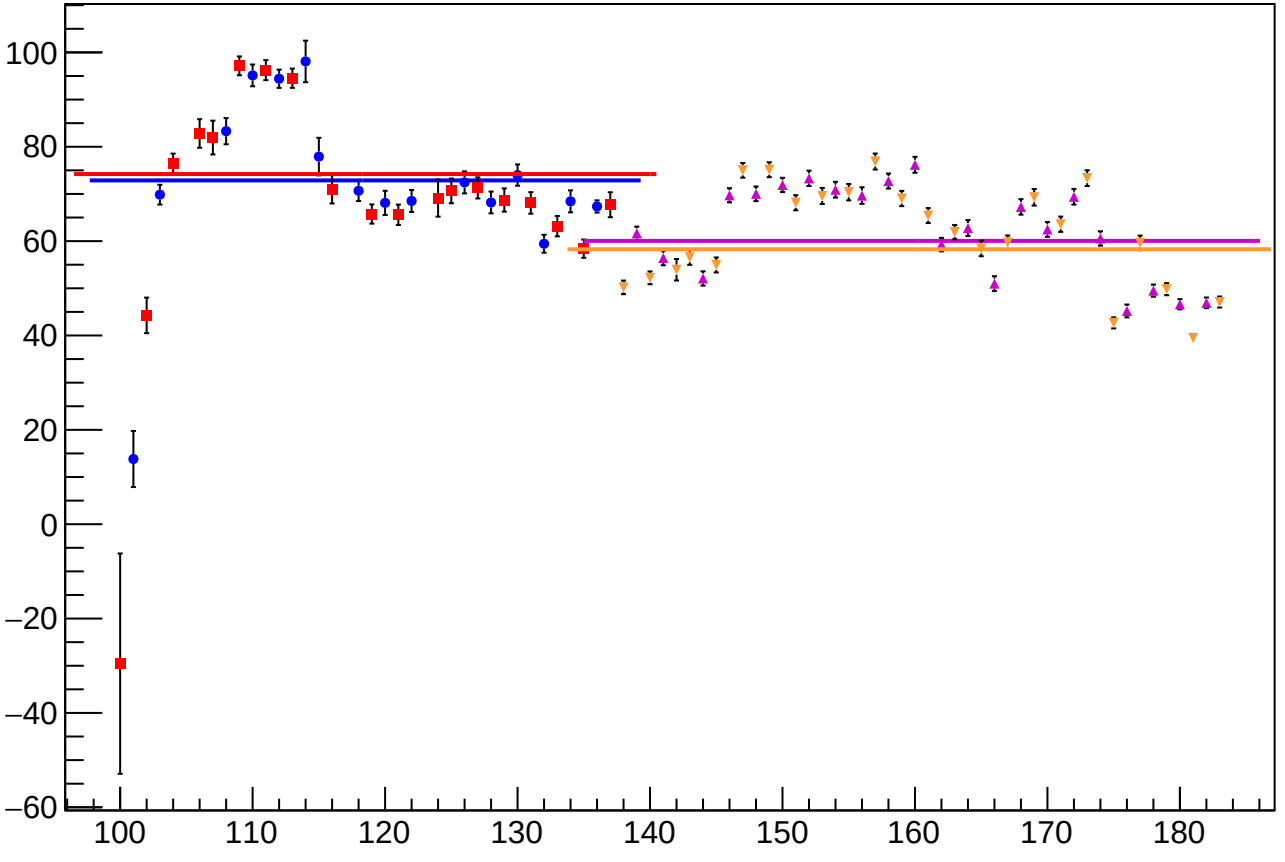
Left In: -5.941+/-0.245 χ^2/NDF:385.8/21

+ sign -5.857+/-0.214 χ^2/NDF: 593.9/39

All: -5.806+/-0.154 χ^2/NDF: 1139.0/80

- sign -5.751+/-0.221 χ^2/NDF: 545.0/40

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 58.271+/-0.305 χ^2/NDF:1393.3/23

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

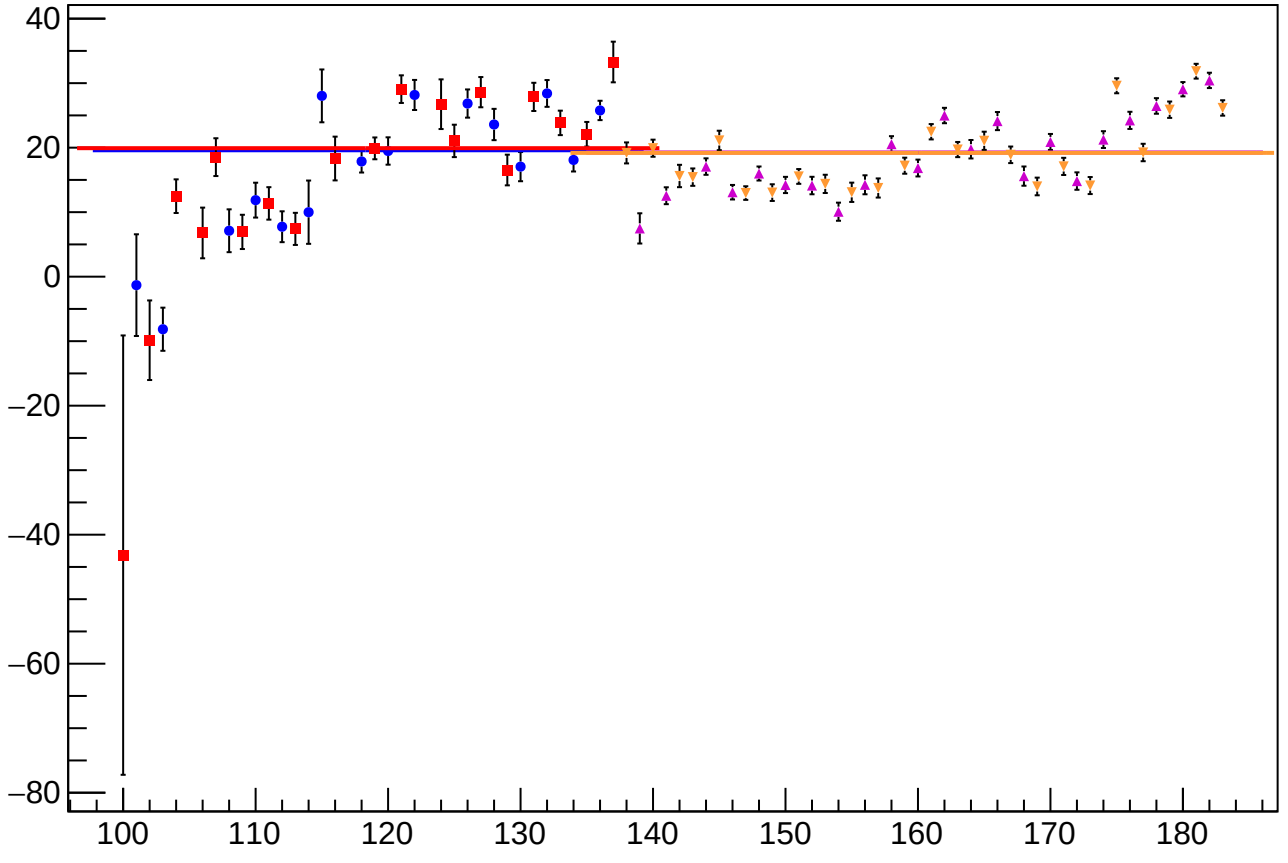
Left In: 60.055+/-0.315 χ^2/NDF:1037.8/21

+ sign 61.561+/-0.268 χ^2/NDF: 2360.2/39

All: 62.479+/-0.192 χ^2/NDF: 4490.9/80

- sign 63.443+/-0.275 χ^2/NDF: 2106.6/40

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 19.192+/-0.266 χ^2/NDF:430.7/23

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

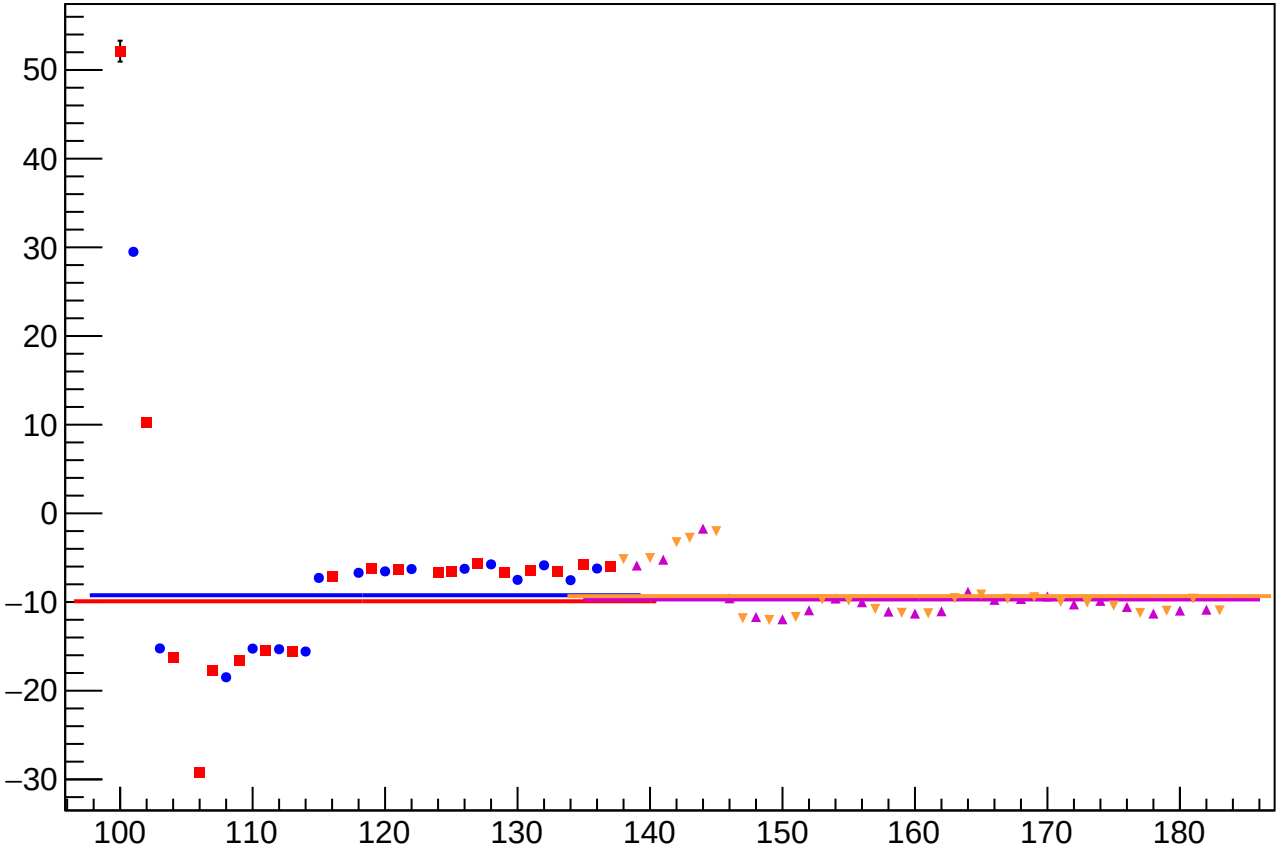
Left In: 19.253+/-0.276 χ^2/NDF:454.8/21

+ sign 19.261+/-0.242 χ^2/NDF: 627.1/39

All: 19.316+/-0.174 χ^2/NDF: 1264.3/80

- sign 19.375+/-0.250 χ^2/NDF: 637.1/40

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.332+/-0.012 χ^2/NDF:49222.7/23

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

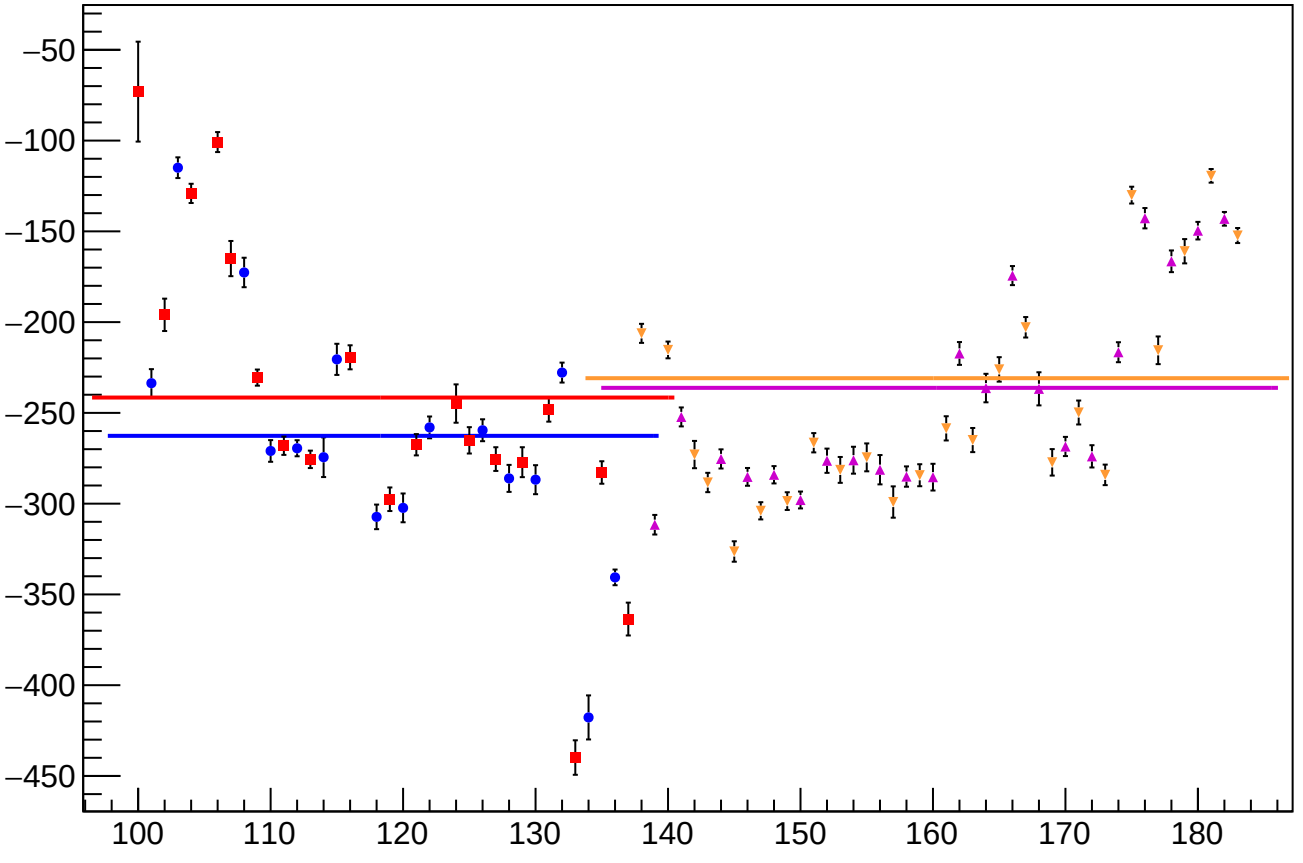
Left In: -9.711+/-0.012 χ^2/NDF:31876.6/21

+ sign -9.321+/-0.011 χ^2/NDF: 80389.7/39

All: -9.522+/-0.008 χ^2/NDF: 166816.1/80

- sign -9.733+/-0.012 χ^2/NDF: 85770.4/40

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -230.884+/-1.152 χ^2/NDF:3198.2/23

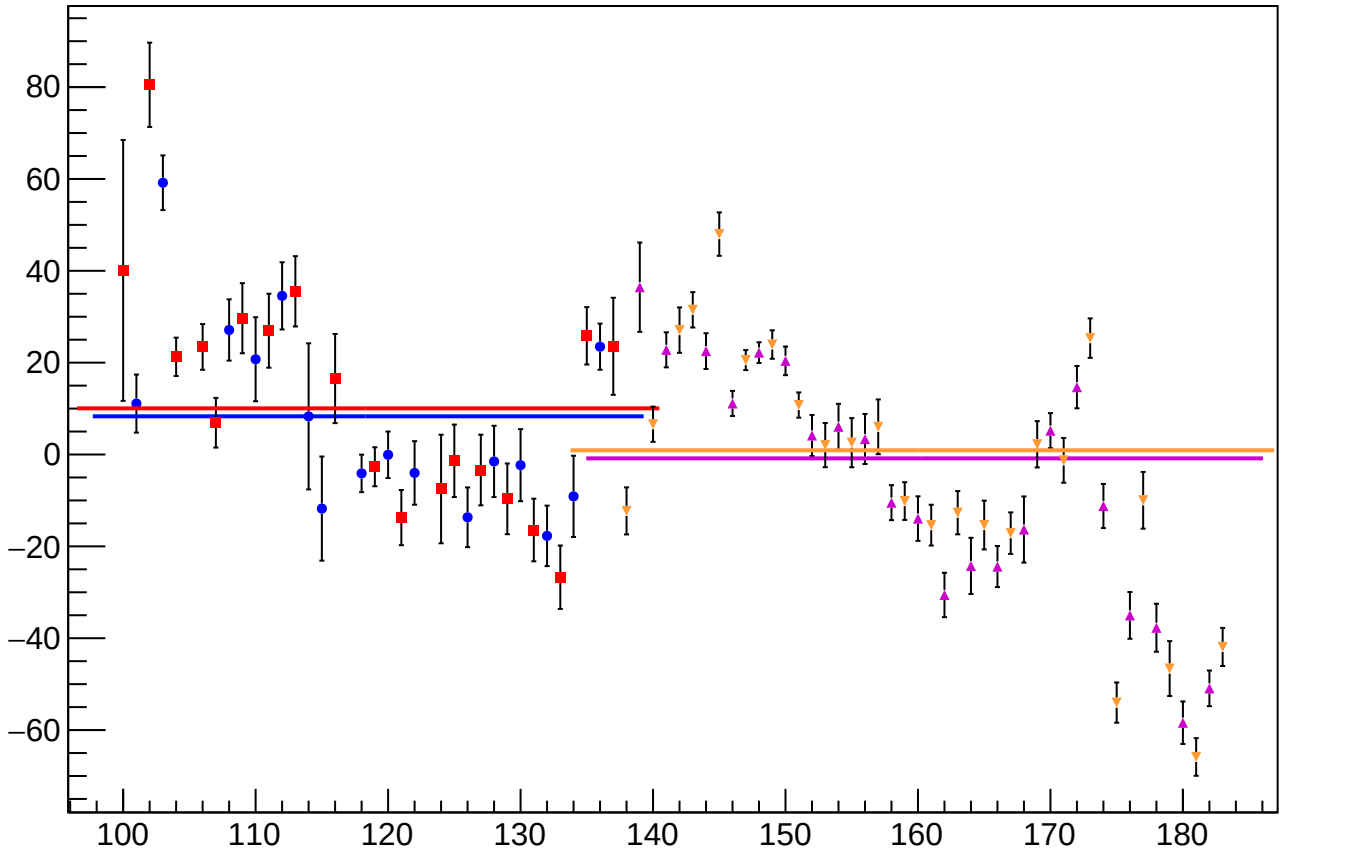
Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -236.206+/-1.193 χ^2/NDF:2431.6/21

\+ sign -241.603+/-0.938 χ^2/NDF: 4909.1/39

All: -239.930+/-0.662 χ^2/NDF: 9493.3/80

\- sign -238.265+/-0.935 χ^2/NDF: 4577.8/40



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 0.923+/-0.842 χ^2/NDF:1032.2/23

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

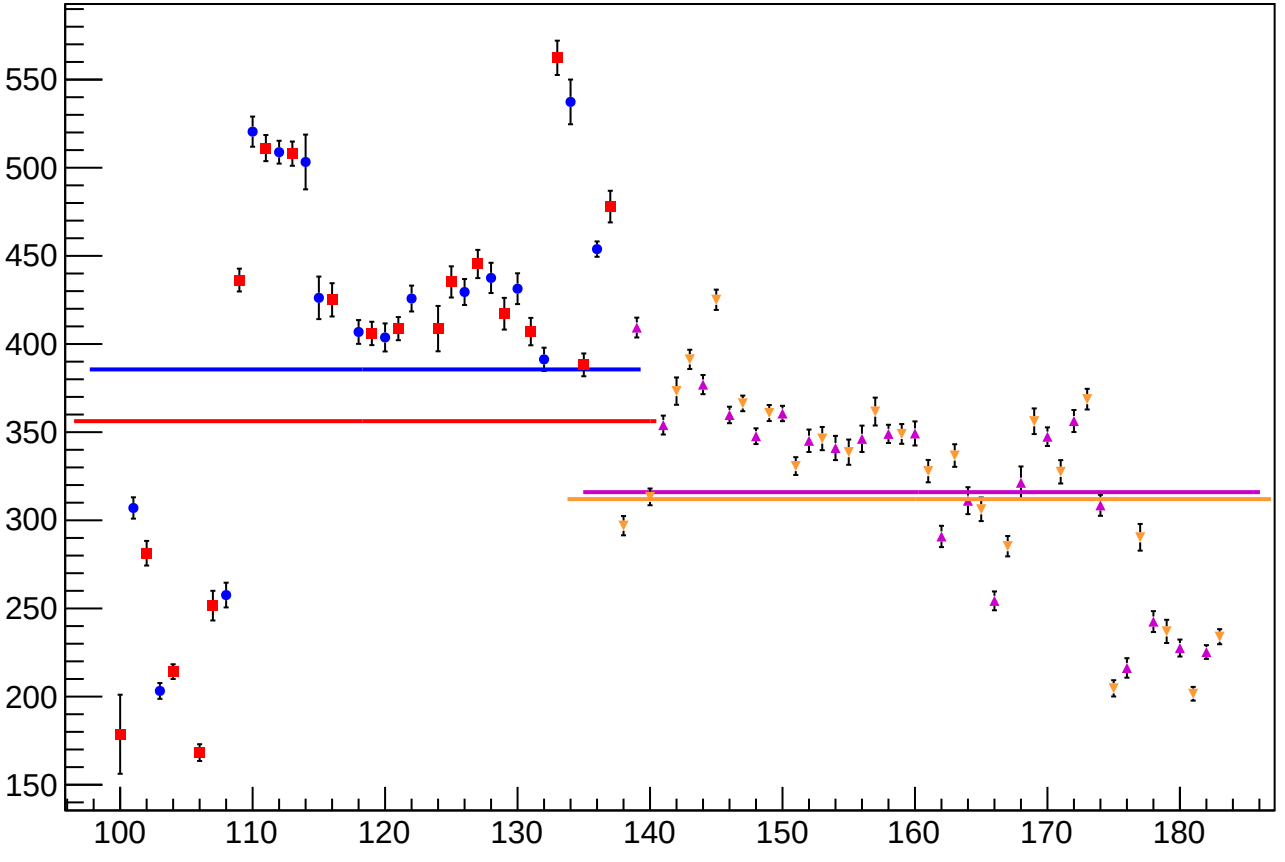
Left In: -0.842+/-0.876 χ^2/NDF:796.8/21

\+ sign 2.459+/-0.749 χ^2/NDF: 1205.9/39

All: 2.148+/-0.534 χ^2/NDF: 2228.3/80

\- sign 1.827+/-0.762 χ^2/NDF: 1022.0/40

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 312.023+/-1.142 χ^2/NDF:3060.3/23

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

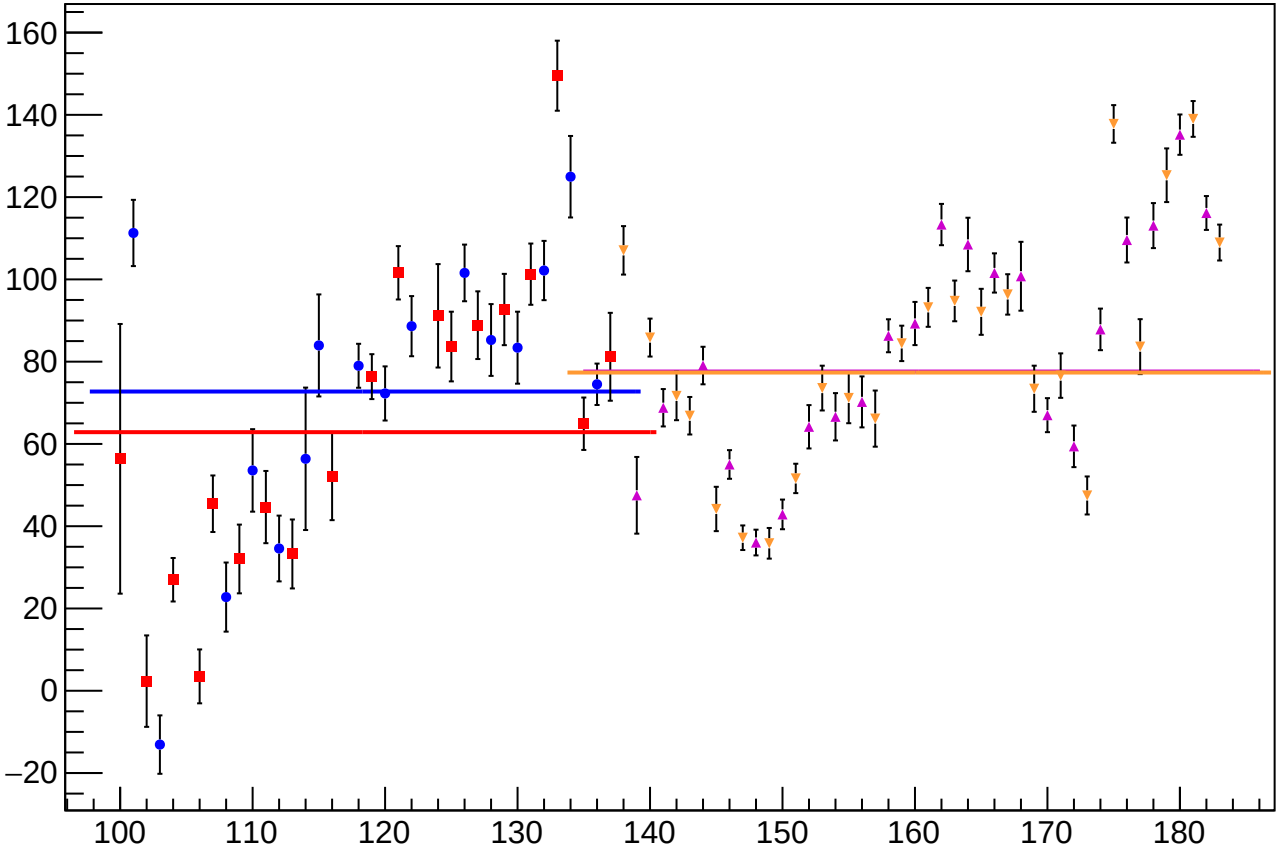
Left In: 315.984+/-1.177 χ^2/NDF:2394.4/21

+ sign 334.131+/-0.955 χ^2/NDF: 7680.5/39

All: 331.870+/-0.676 χ^2/NDF: 15752.1/80

- sign 329.597+/-0.957 χ^2/NDF: 8060.4/40

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 77.359+/-0.973 χ^2/NDF:1006.8/23

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

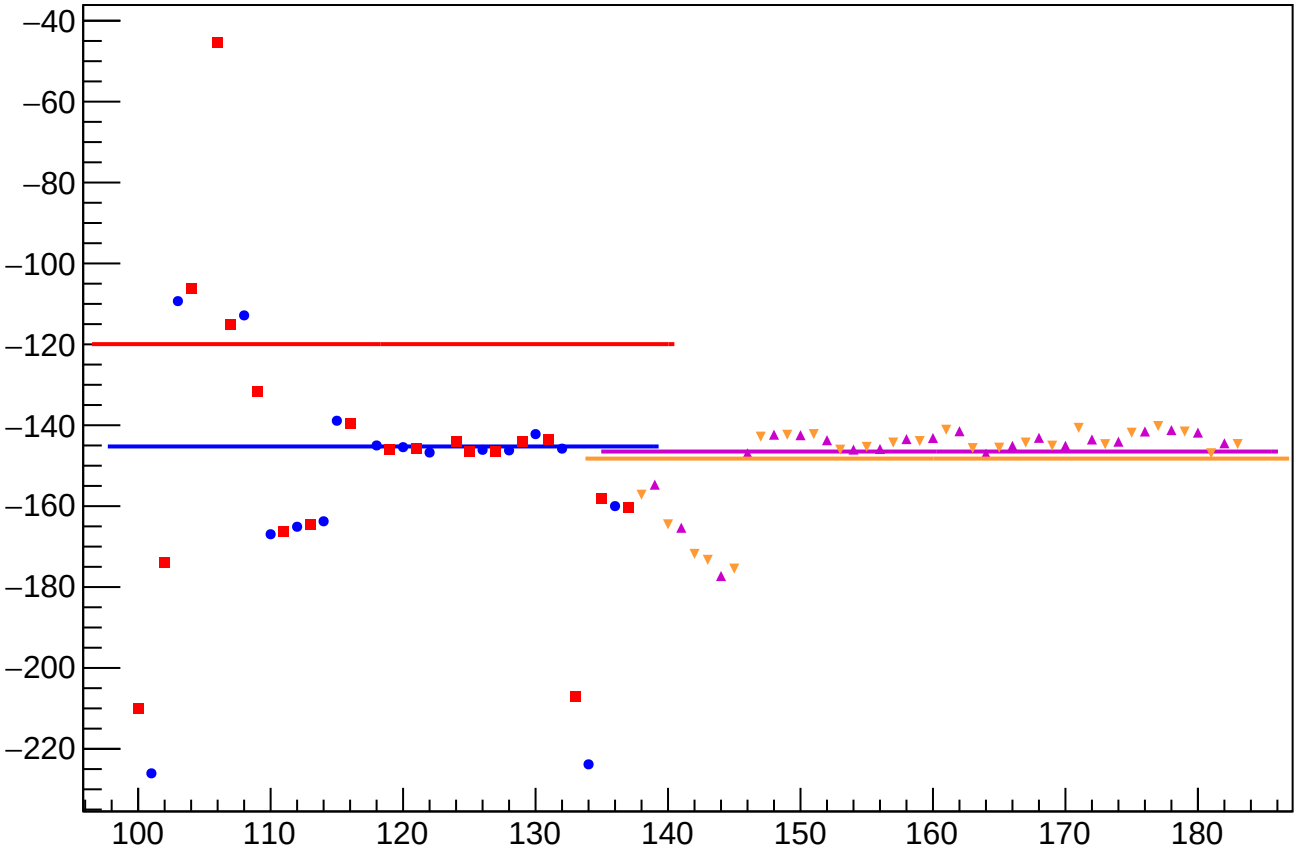
Left In: 77.600+/-1.007 χ^2/NDF:778.7/21

\+ sign 76.397+/-0.866 χ^2/NDF: 1315.8/39

All: 75.250+/-0.617 χ^2/NDF: 2552.9/80

\- sign 74.071+/-0.878 χ^2/NDF: 1233.6/40

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.243+/-0.046 χ^2/NDF:48682.6/23

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

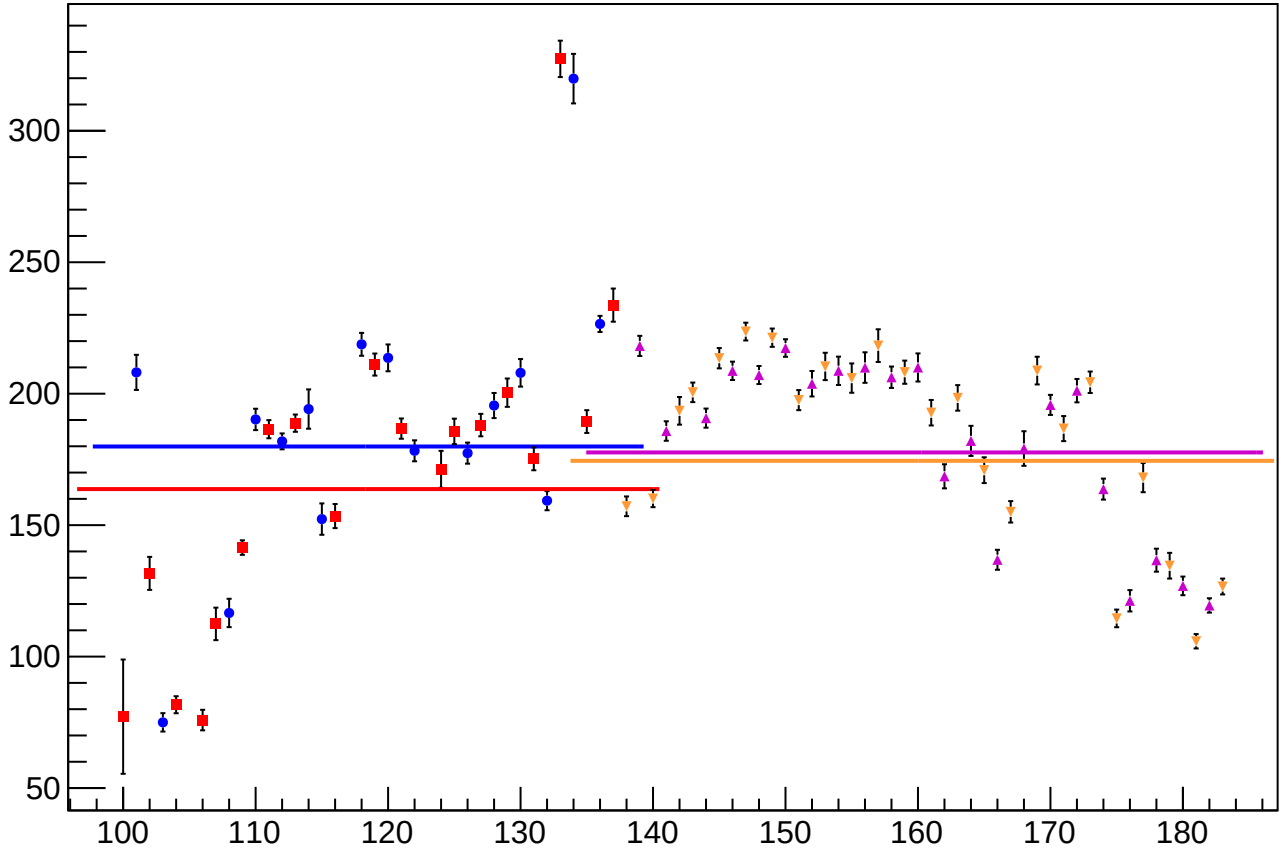
Left In: -146.500+/-0.046 χ^2/NDF:29161.3/21

+ sign -147.714+/-0.041 χ^2/NDF: 181504.5/39

All: -144.267+/-0.029 χ^2/NDF: 565051.8/80

- sign -140.886+/-0.041 χ^2/NDF: 369755.5/40

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 174.464+/-0.828 χ^2/NDF:2253.2/23

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

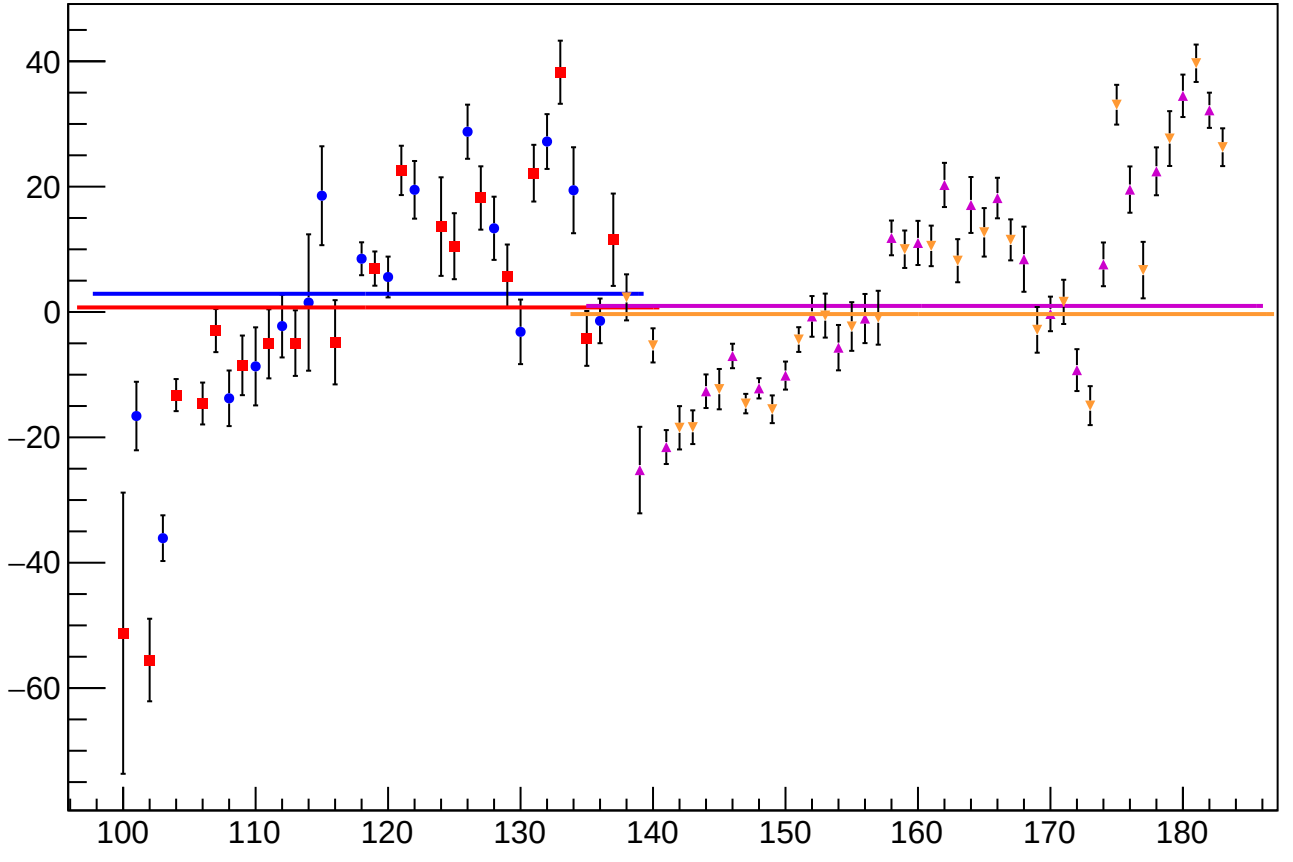
Left In: 177.659+/-0.859 χ^2/NDF:1725.6/21

+ sign 176.463+/-0.659 χ^2/NDF: 4001.7/39

All: 174.077+/-0.464 χ^2/NDF: 8281.8/80

- sign 171.743+/-0.652 χ^2/NDF: 4254.1/40

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -0.331+/-0.604 χ^2/NDF:715.5/23

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

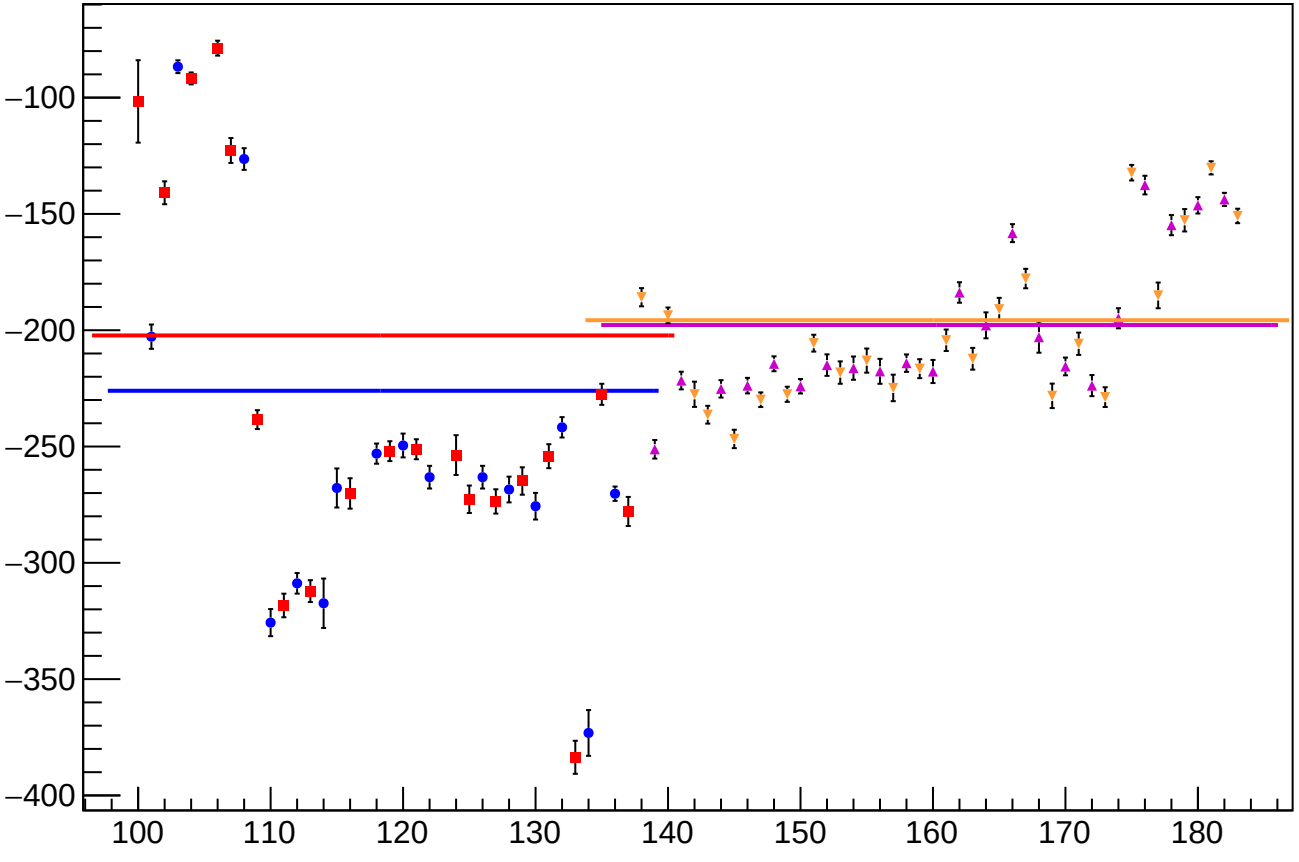
Left In: 0.970+/-0.631 χ^2/NDF:609.5/21

\+ sign 0.414+/-0.530 χ^2/NDF: 969.6/39

All: 0.656+/-0.377 χ^2/NDF: 1853.1/80

\- sign 0.902+/-0.535 χ^2/NDF: 883.1/40

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -195.699+/-0.821 χ^2/NDF:1948.3/23

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

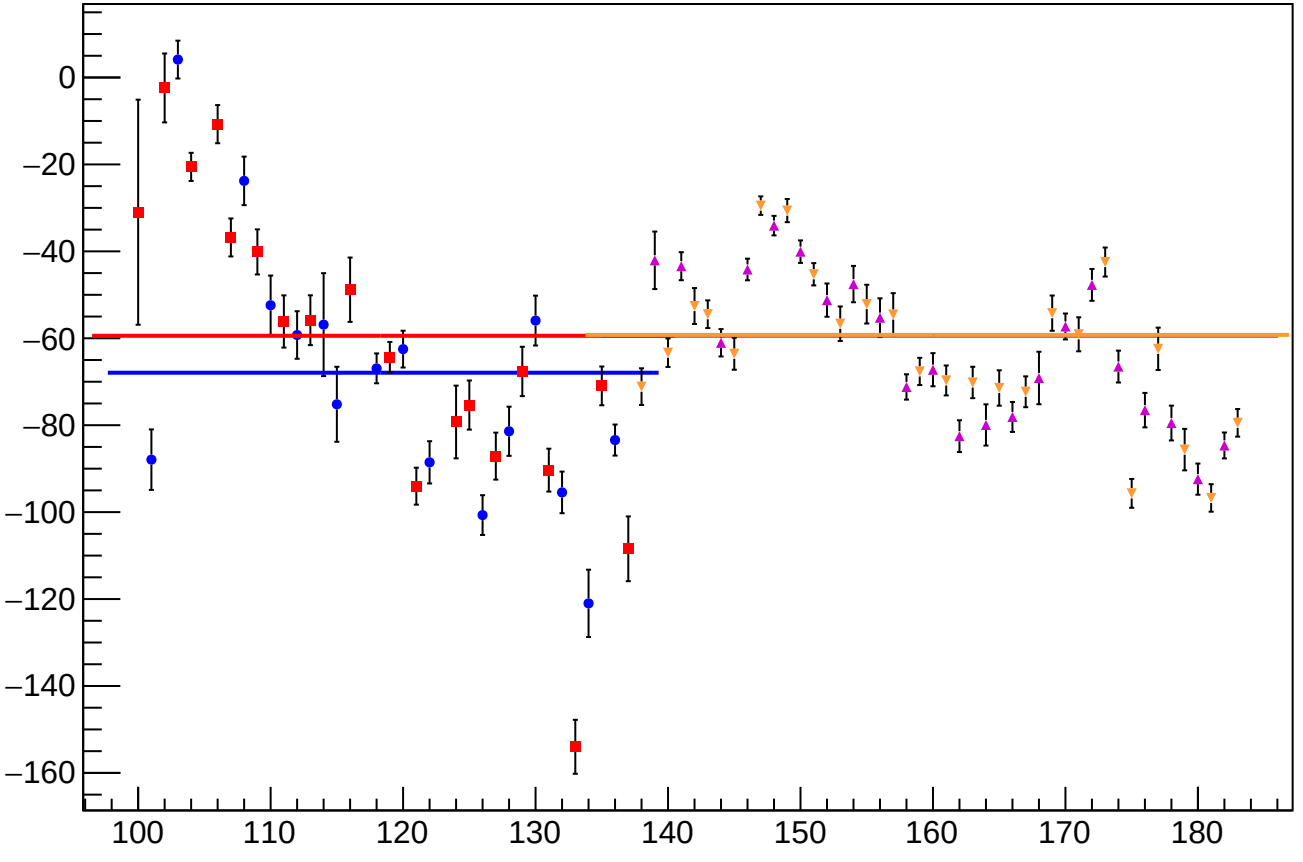
Left In: -197.761+/-0.848 χ^2/NDF:1579.9/21

+ sign -205.656+/-0.673 χ^2/NDF: 6934.9/39

All: -202.535+/-0.474 χ^2/NDF: 15258.8/80

- sign -199.458+/-0.669 χ^2/NDF: 8281.3/40

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -59.220+/-0.699 χ^2/NDF:767.7/23

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

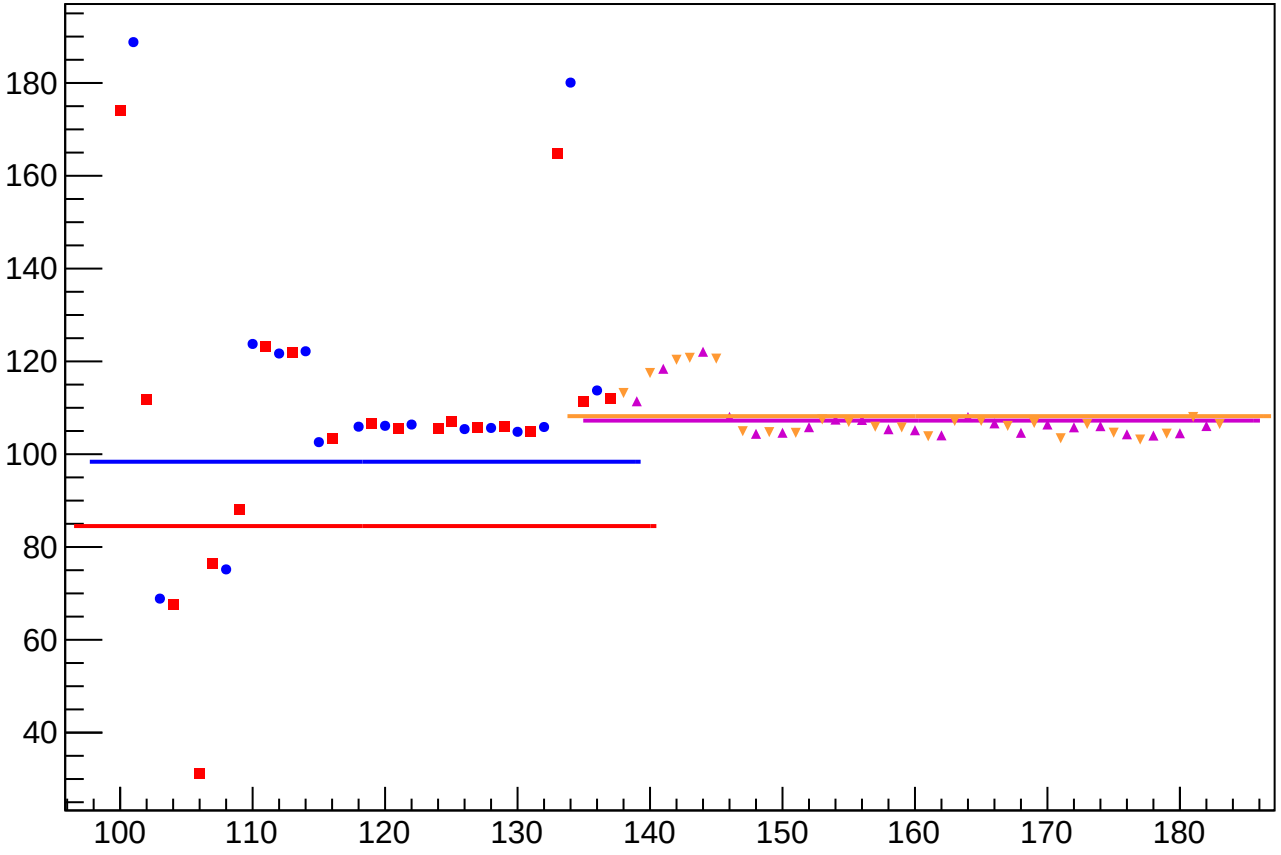
Left In: -59.402+/-0.726 χ^2/NDF:591.7/21

+ sign -61.227+/-0.614 χ^2/NDF: 1337.4/39

All: -60.325+/-0.436 χ^2/NDF: 2728.4/80

- sign -59.409+/-0.619 χ^2/NDF: 1386.6/40

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.199+/-0.033 χ^2/NDF:26223.6/23

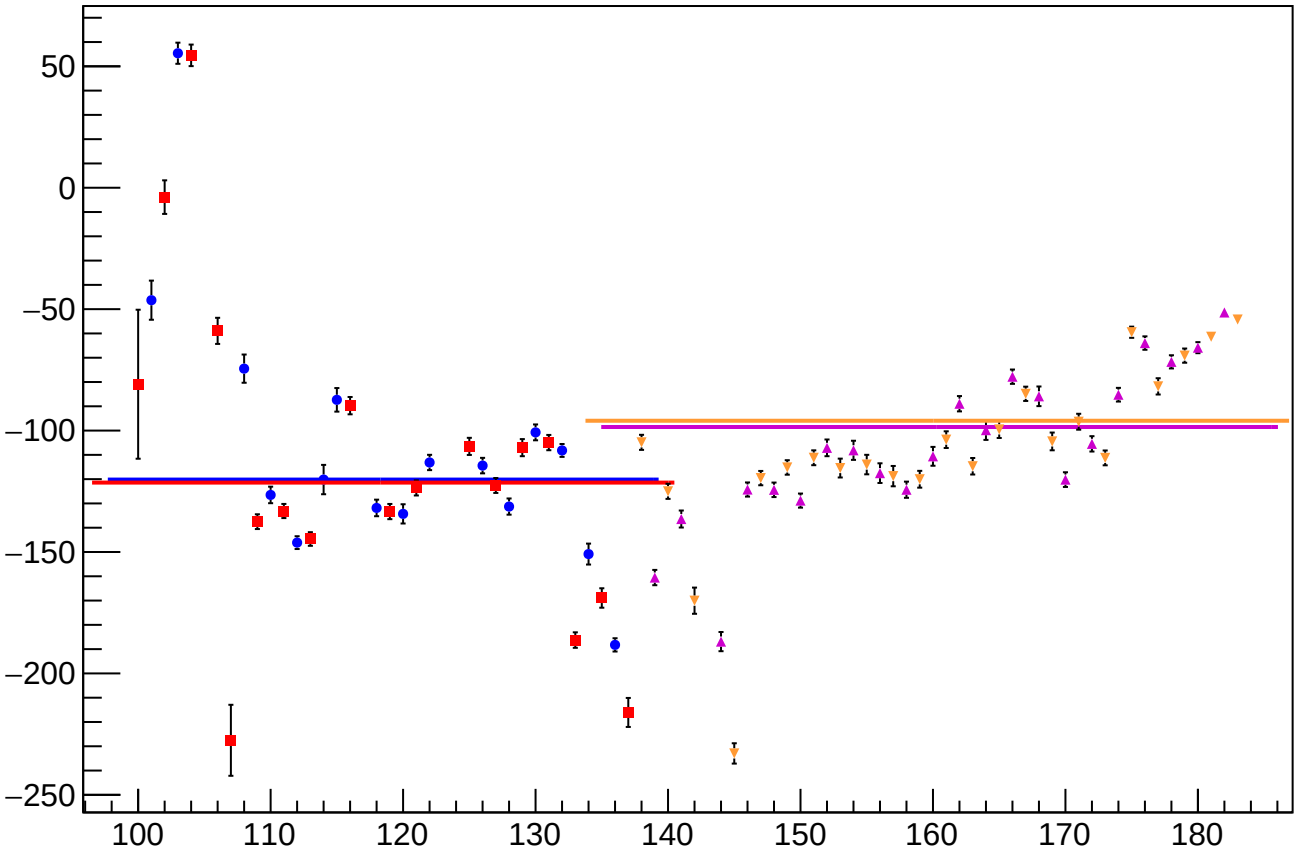
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.242+/-0.033 χ^2/NDF:16855.5/21

\+ sign 106.259+/-0.029 χ^2/NDF: 272393.8/39

All: 104.112+/-0.021 χ^2/NDF: 676901.1/80

\- sign 101.997+/-0.029 χ^2/NDF: 393883.3/40



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -95.950+/-0.641 χ^2/NDF:2770.2/22

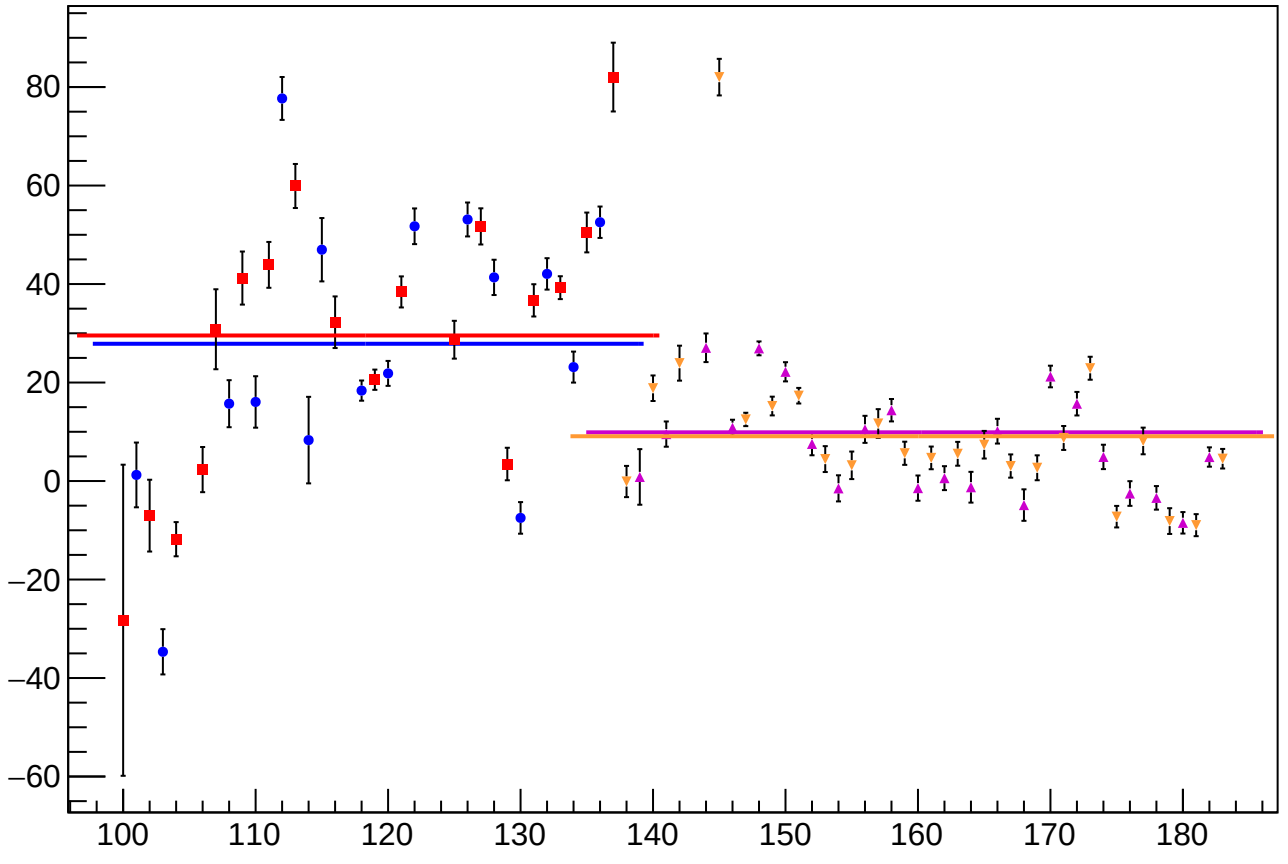
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -98.529+/-0.649 χ^2/NDF:2593.2/21

+ sign -104.224+/-0.520 χ^2/NDF: 5948.8/38

All: -105.437+/-0.368 χ^2/NDF: 12120.3/78

- sign -106.655+/-0.522 χ^2/NDF: 6160.7/39



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 9.093+/-0.482 χ^2/NDF:703.6/22

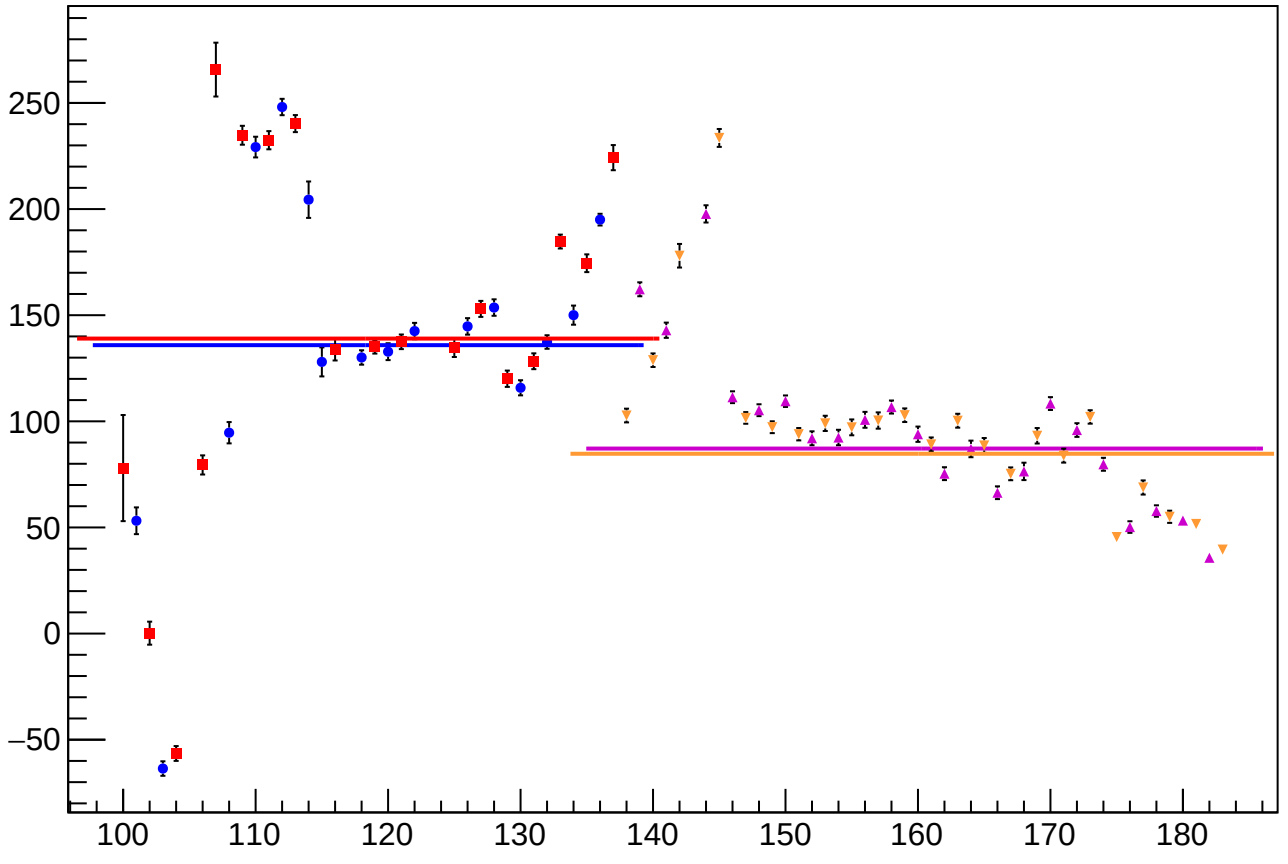
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 9.888+/-0.492 χ^2/NDF:485.3/21

\+ sign 13.362+/-0.423 χ^2/NDF: 1748.7/38

All: 13.917+/-0.302 χ^2/NDF: 3109.1/78

\- sign 14.491+/-0.430 χ^2/NDF: 1356.9/39



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 84.716+/-0.635 χ^2/NDF:3110.2/22

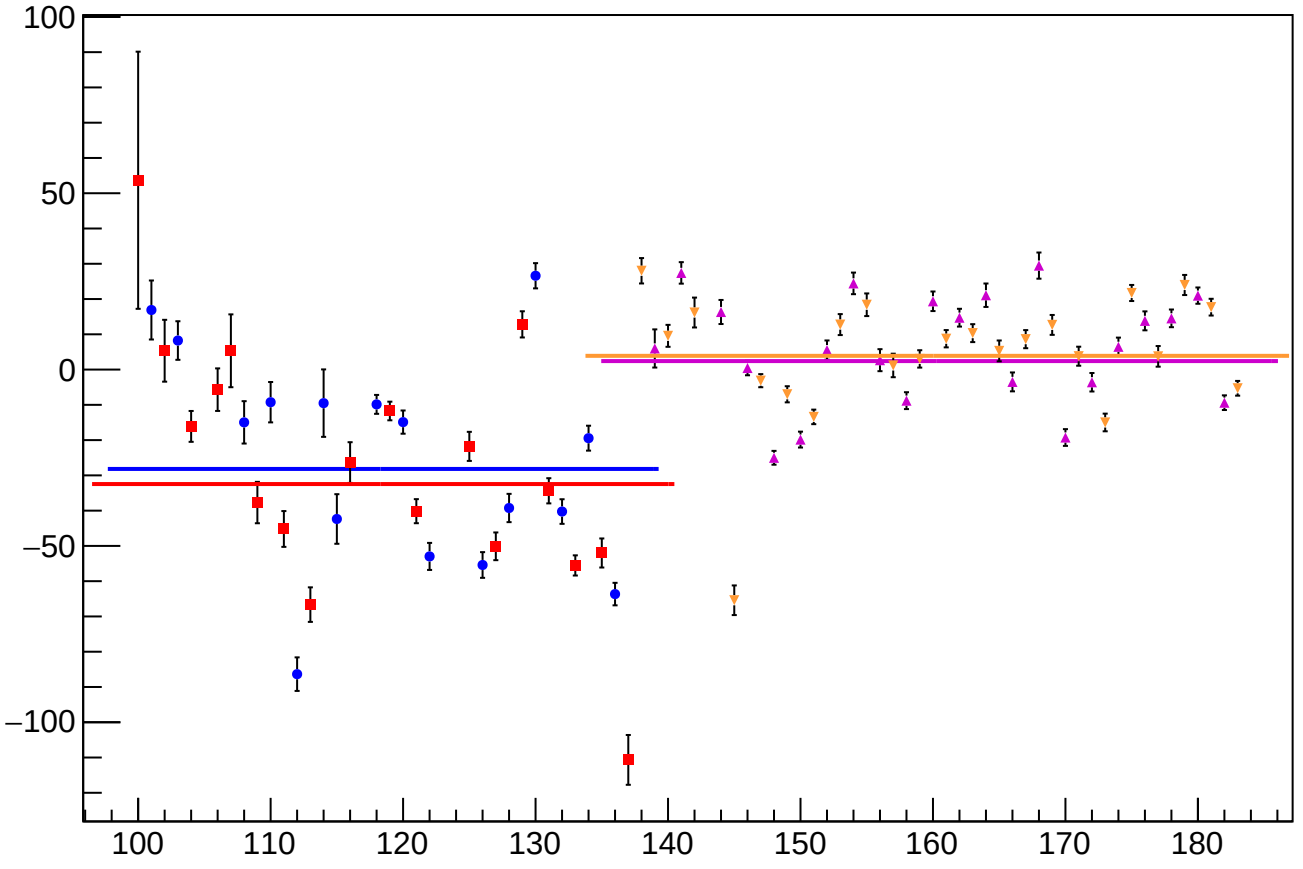
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 87.167+/-0.642 χ^2/NDF:3092.5/21

+ sign 99.450+/-0.536 χ^2/NDF: 10443.6/38

All: 100.872+/-0.380 χ^2/NDF: 21613.5/78

- sign 102.315+/-0.540 χ^2/NDF: 11155.7/39



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 3.897+/-0.549 χ^2/NDF:710.6/22

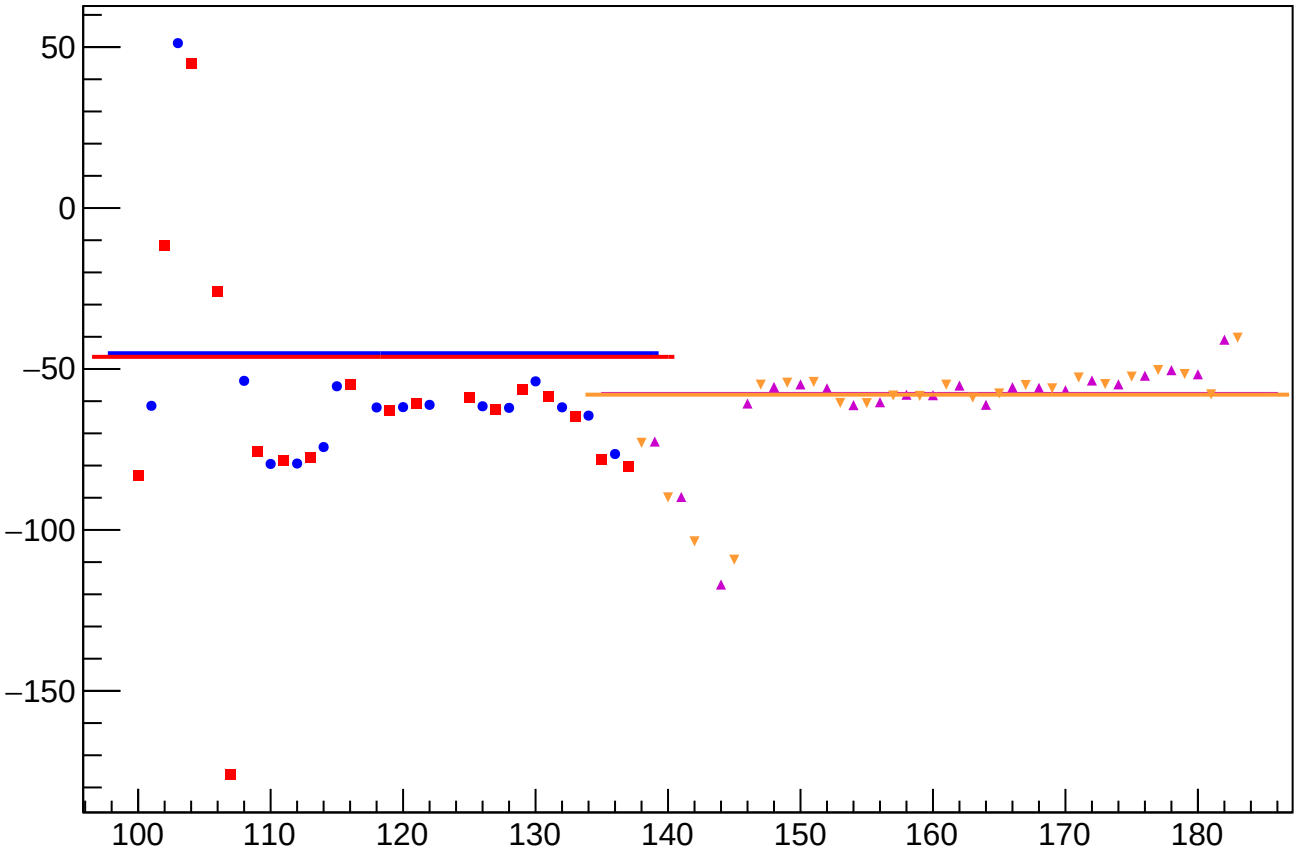
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 2.405+/-0.558 χ^2/NDF:833.8/21

\+ sign -3.276+/-0.483 χ^2/NDF: 2266.0/38

All: -4.387+/-0.344 χ^2/NDF: 4580.9/78

\- sign -5.530+/-0.490 χ^2/NDF: 2304.1/39



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -57.976+/-0.025 χ^2/NDF:254158.2/22

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

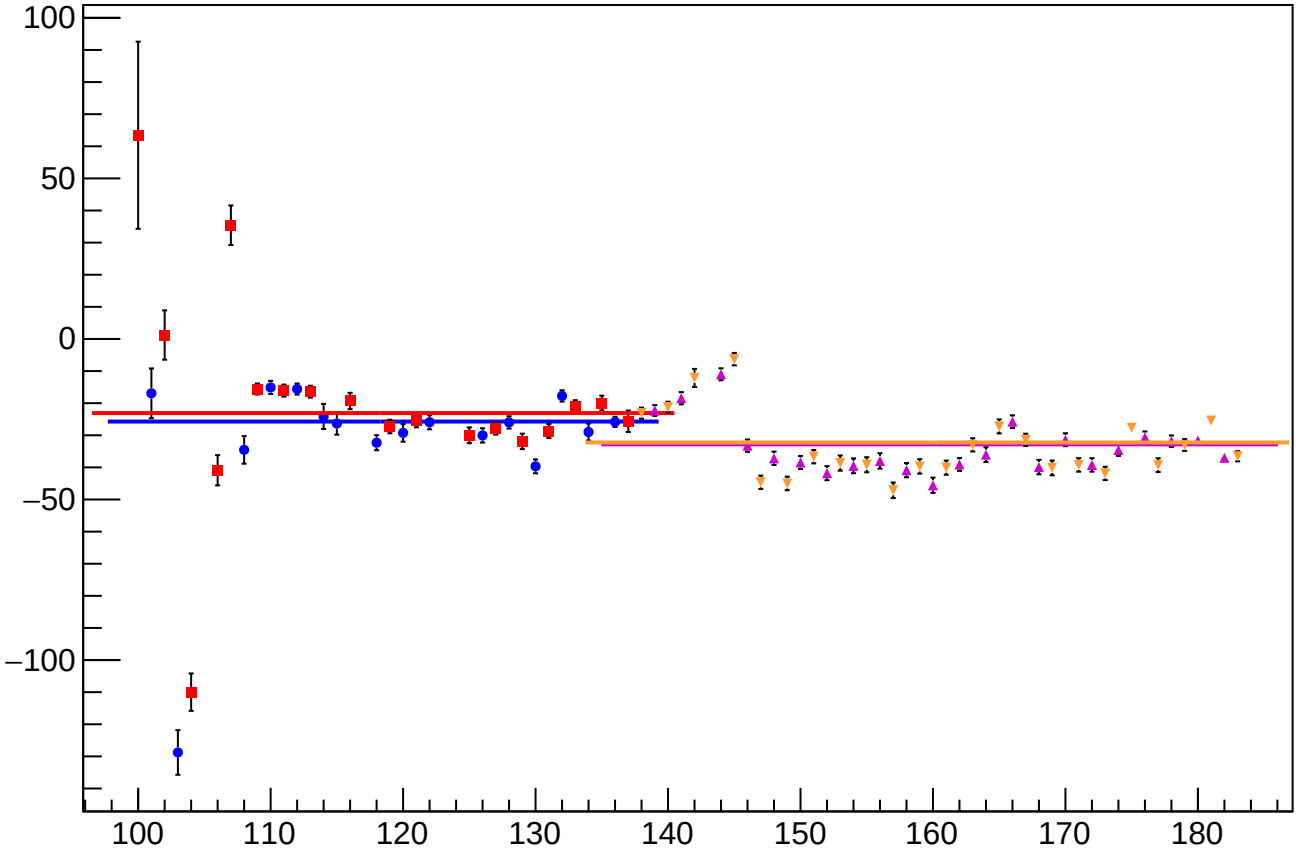
Left In: -57.757+/-0.025 χ^2/NDF:218269.6/21

+ sign -56.070+/-0.023 χ^2/NDF: 868365.6/38

All: -56.116+/-0.016 χ^2/NDF: 1609493.6/78

- sign -56.162+/-0.023 χ^2/NDF: 741120.1/39

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.235+/-0.409 χ^2/NDF:558.5/22

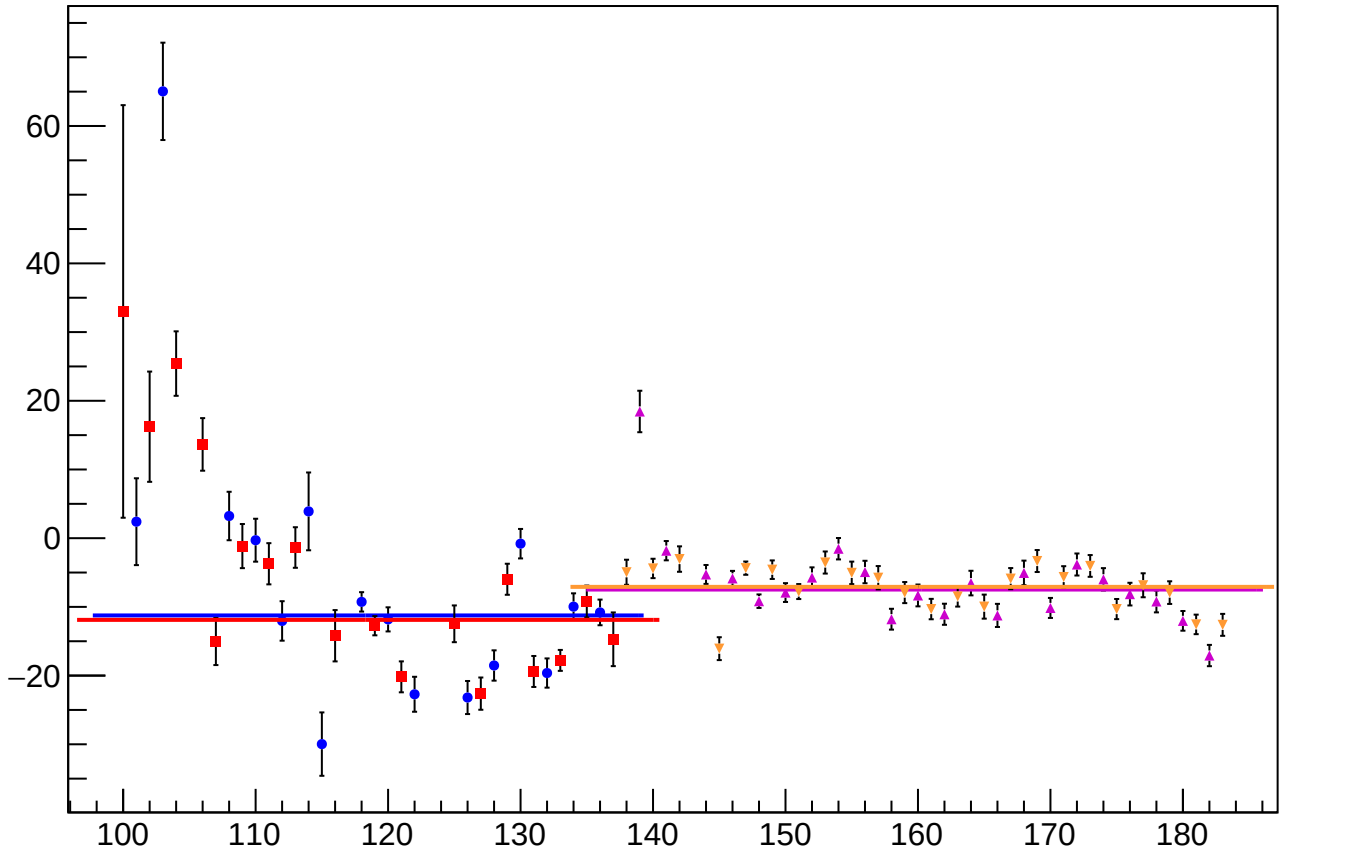
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.822+/-0.416 χ^2/NDF:372.7/21

+ sign -30.120+/-0.336 χ^2/NDF: 1003.8/38

All: -29.824+/-0.239 χ^2/NDF: 2000.6/78

- sign -29.524+/-0.339 χ^2/NDF: 995.3/39



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -7.086+/-0.311 χ^2/NDF:109.0/22

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -7.475+/-0.317 χ^2/NDF:196.4/21

+ sign -7.966+/-0.276 χ^2/NDF: 417.9/38

All: -8.191+/-0.197 χ^2/NDF: 881.7/78

- sign -8.424+/-0.281 χ^2/NDF: 462.4/39

Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 42.384+/-0.406 χ^2/NDF:565.6/22

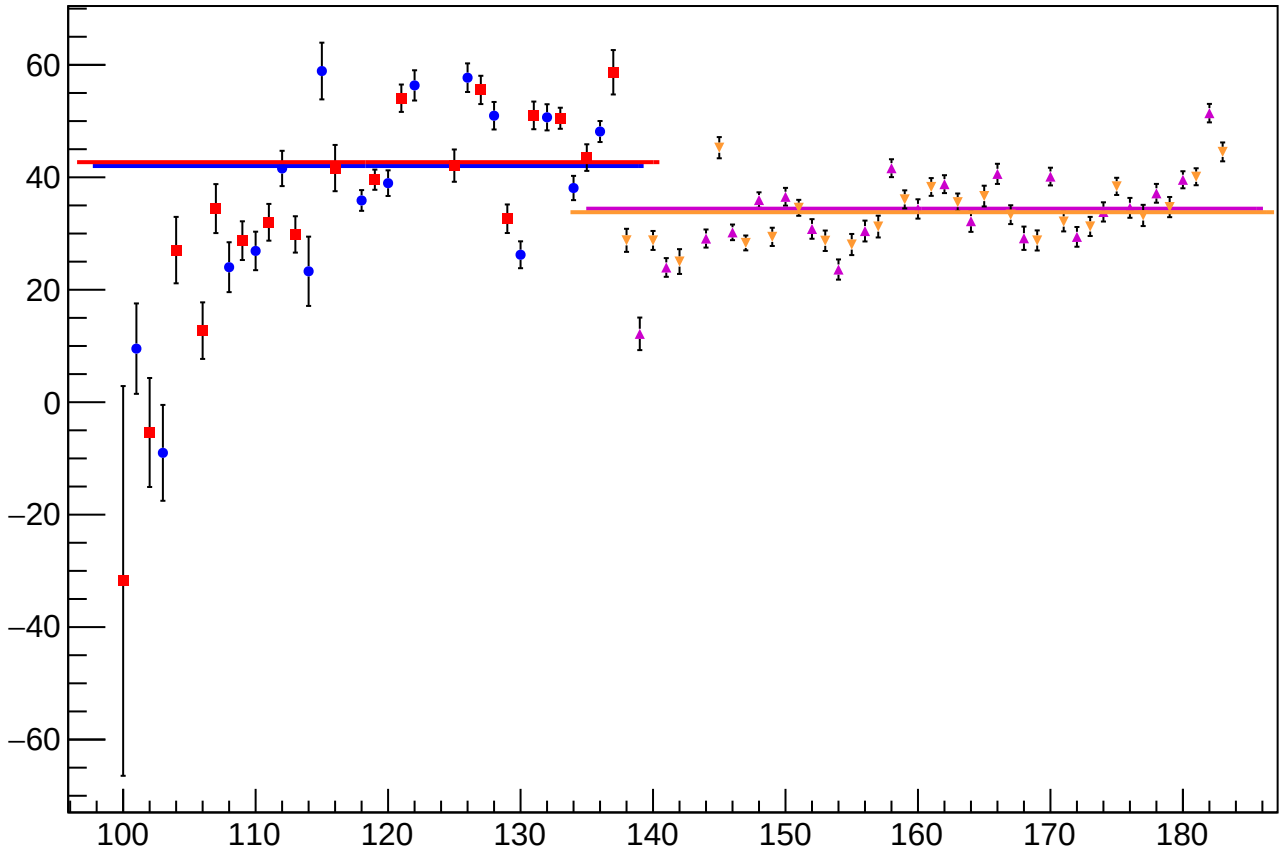
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 43.020+/-0.412 χ^2/NDF:406.9/21

\+ sign 42.605+/-0.348 χ^2/NDF: 1142.7/38

All: 42.360+/-0.248 χ^2/NDF: 2323.1/78

\- sign 42.109+/-0.353 χ^2/NDF: 1179.4/39



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 33.794+/-0.353 χ^2/NDF:203.9/22

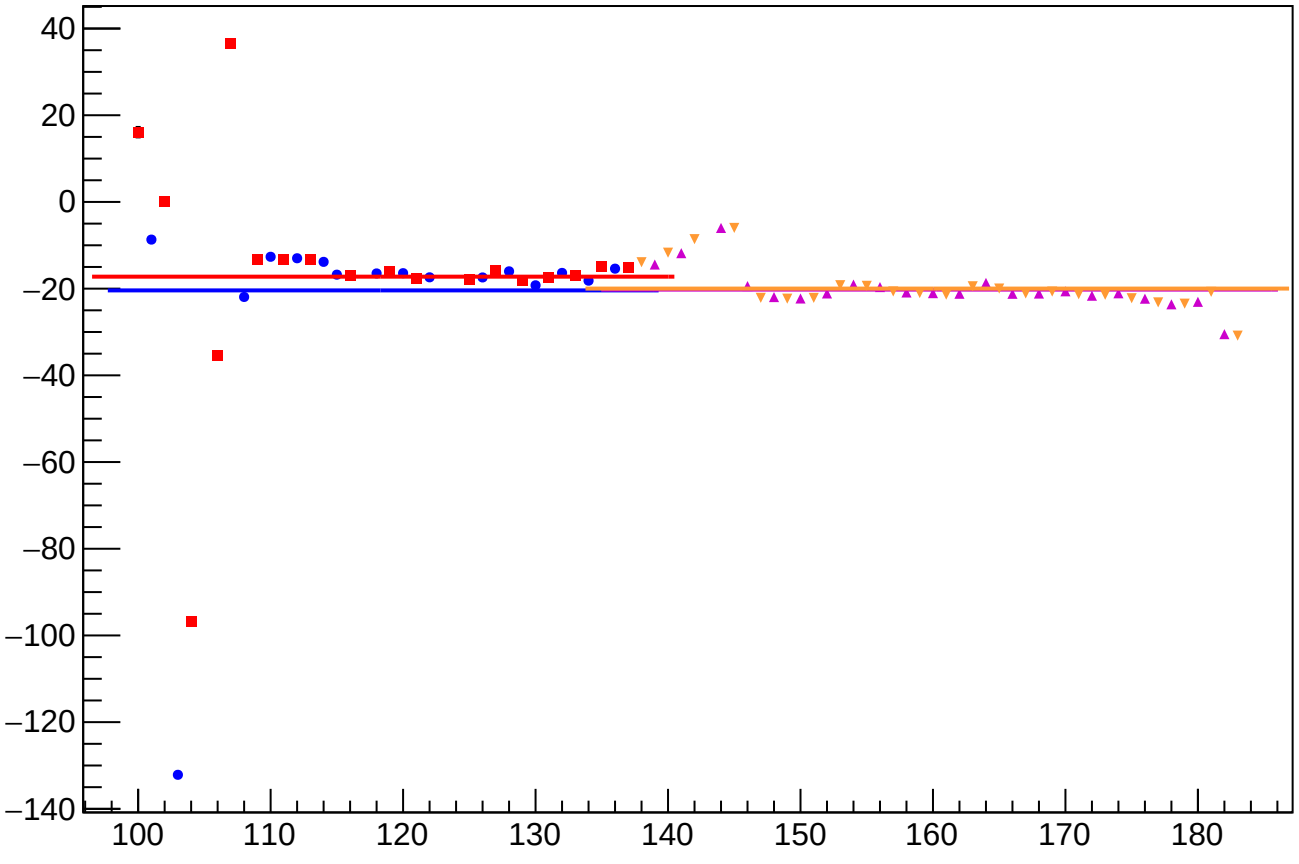
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 34.419+/-0.359 χ^2/NDF:357.1/21

+ sign 35.521+/-0.314 χ^2/NDF: 590.6/38

All: 35.838+/-0.224 χ^2/NDF: 1292.0/78

- sign 36.166+/-0.319 χ^2/NDF: 699.3/39



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -19.987+/-0.016 χ^2/NDF:91128.9/22

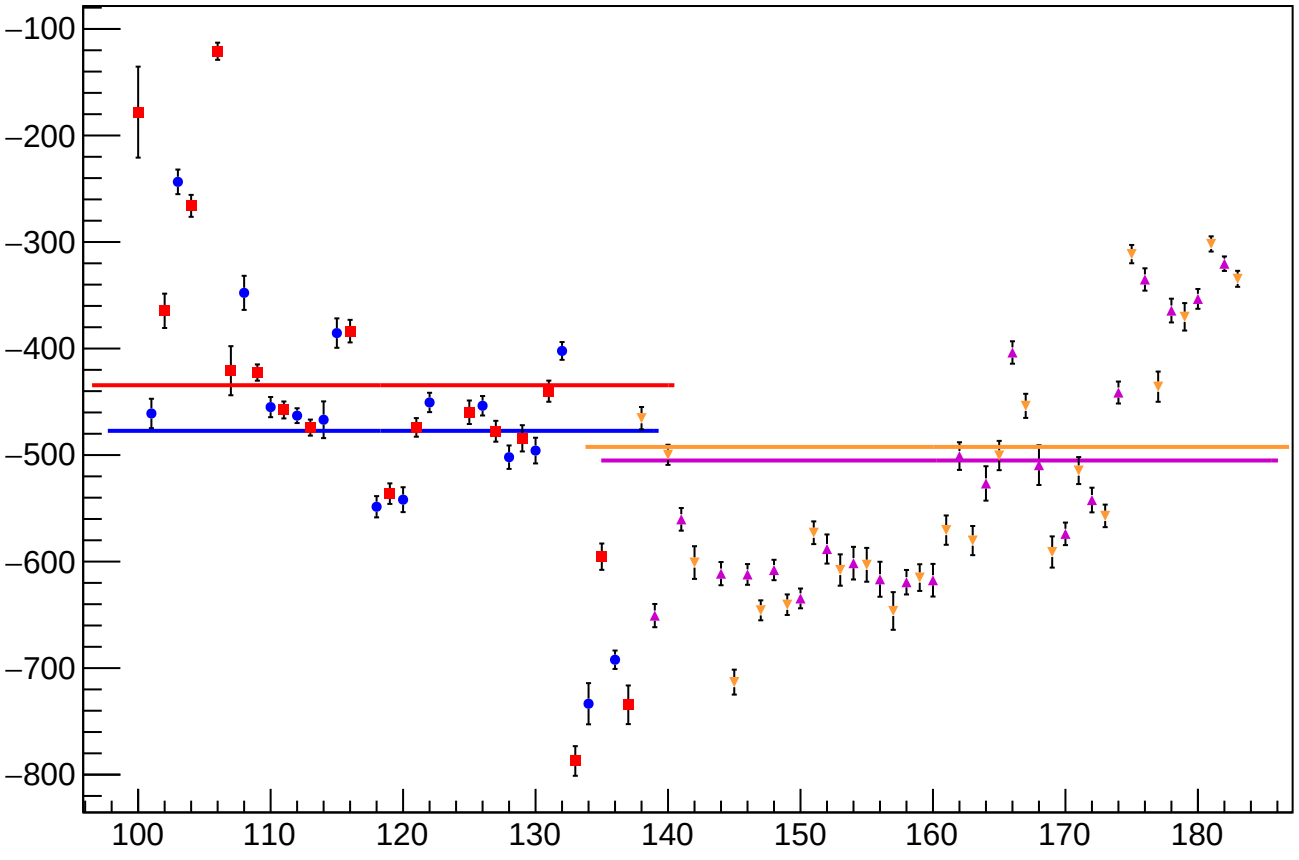
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -20.226+/-0.016 χ^2/NDF:74797.5/21

+ sign -20.039+/-0.015 χ^2/NDF: 336827.9/38

All: -19.961+/-0.011 χ^2/NDF: 620406.4/78

- sign -19.881+/-0.015 χ^2/NDF: 283522.3/39



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -492.347+/-2.317 χ^2/NDF:3131.1/22

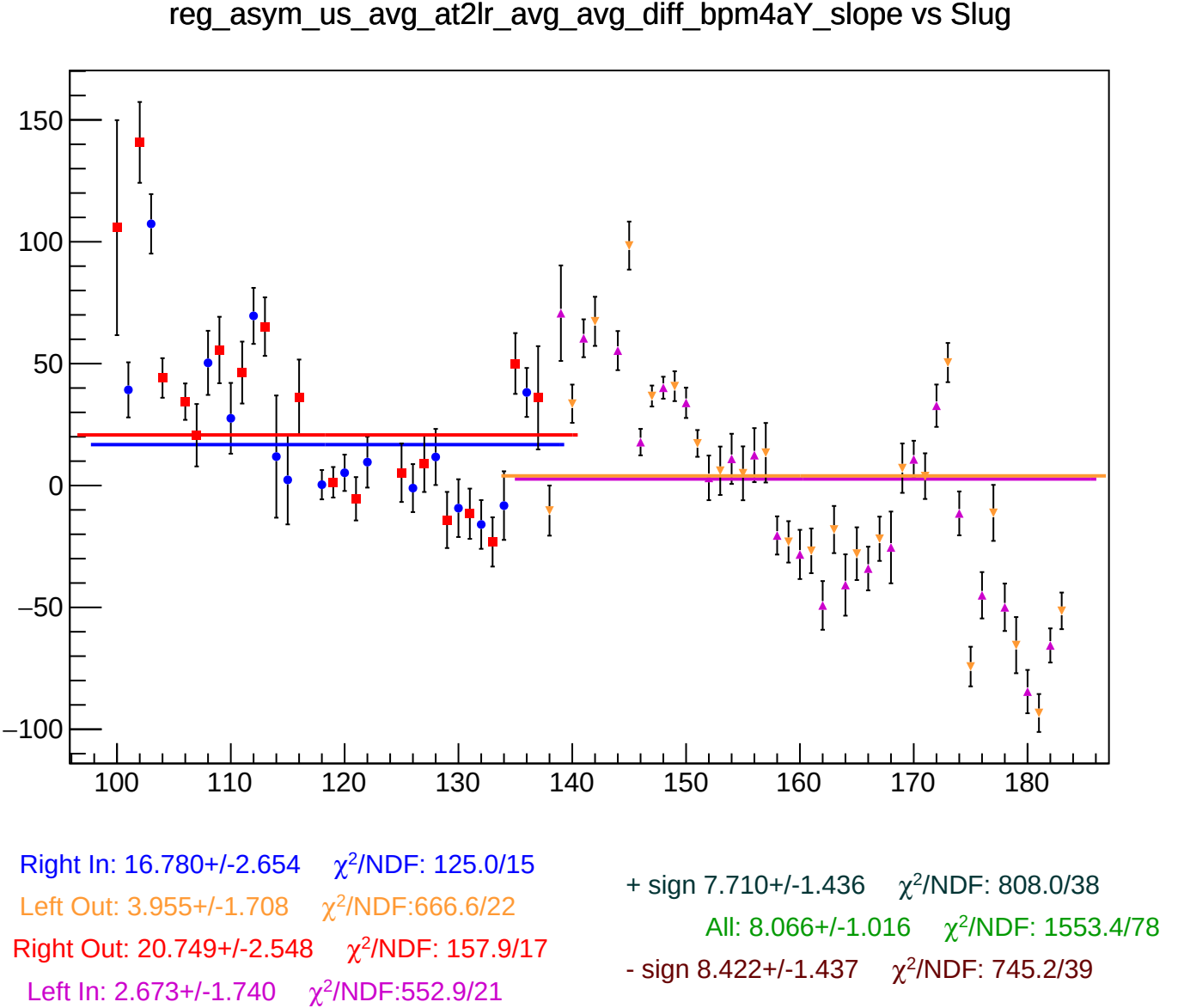
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -505.092+/-2.346 χ^2/NDF:2616.8/21

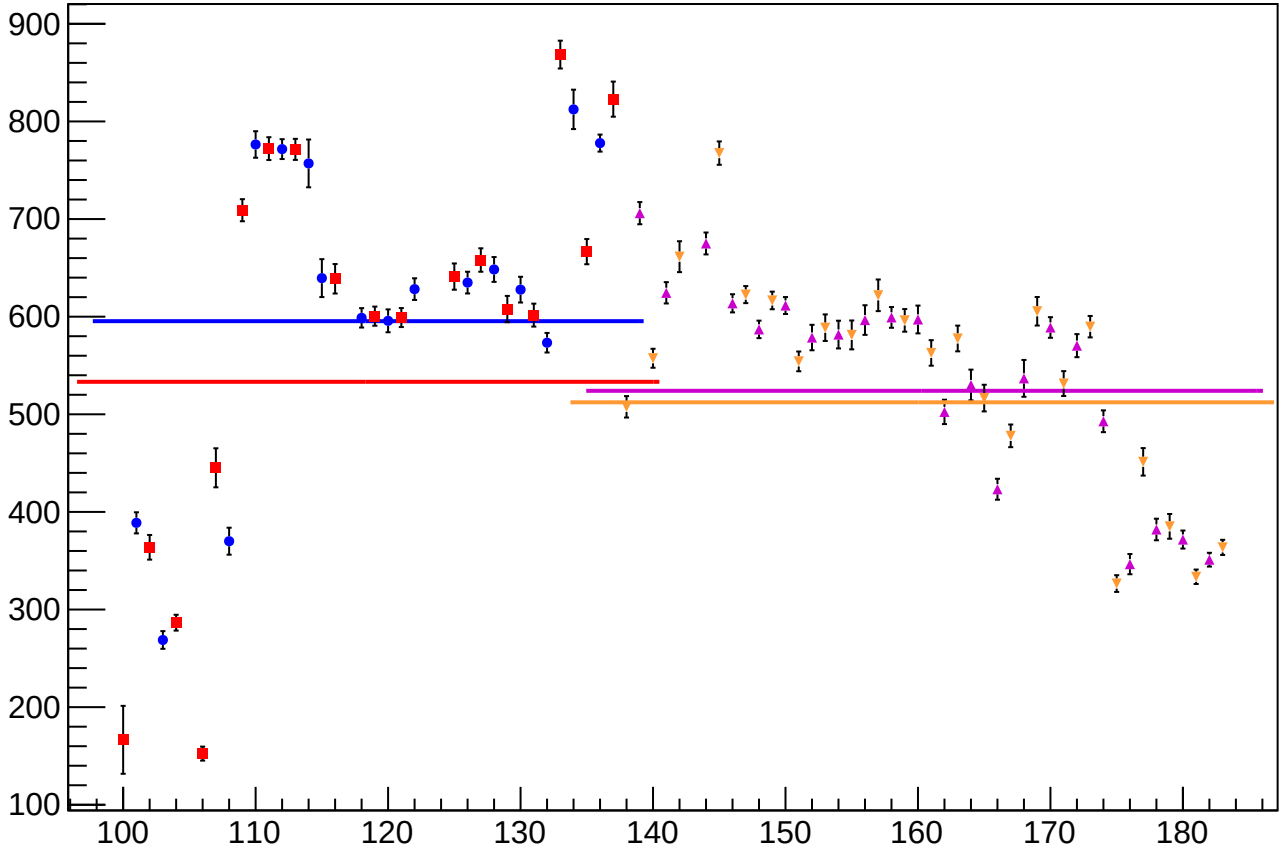
\+ sign -485.762+/-1.739 χ^2/NDF: 4660.5/38

All: -478.460+/-1.215 χ^2/NDF: 10904.9/78

\- sign -471.491+/-1.699 χ^2/NDF: 6209.9/39


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 16.780+/-2.654 χ²/NDF: 125.0/15
Left Out: 3.955+/-1.708 χ²/NDF:666.6/22
Right Out: 20.749+/-2.548 χ²/NDF: 157.9/17
Left In: 2.673+/-1.740 χ²/NDF:552.9/21
+ sign 7.710+/-1.436 χ²/NDF: 808.0/38
All: 8.066+/-1.016 χ²/NDF: 1553.4/78
- sign 8.422+/-1.437 χ²/NDF: 745.2/39

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 512.285+/-2.297 χ^2/NDF:2709.0/22

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

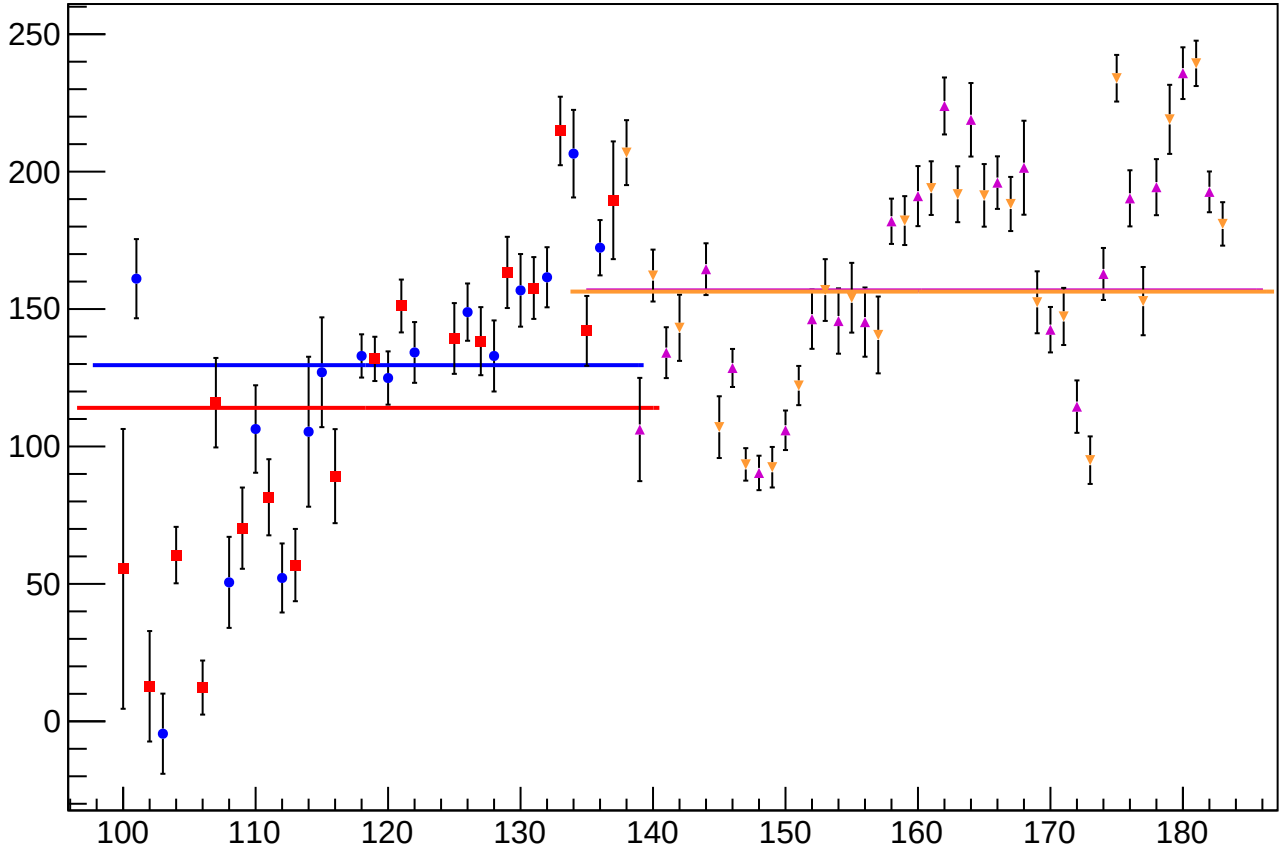
Left In: 524.061+/-2.319 χ^2/NDF:2386.0/21

+ sign 543.924+/-1.807 χ^2/NDF: 6267.3/38

All: 535.753+/-1.265 χ^2/NDF: 15202.9/78

- sign 527.901+/-1.772 χ^2/NDF: 8895.5/39

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 156.357+/-1.969 χ^2/NDF:577.9/22

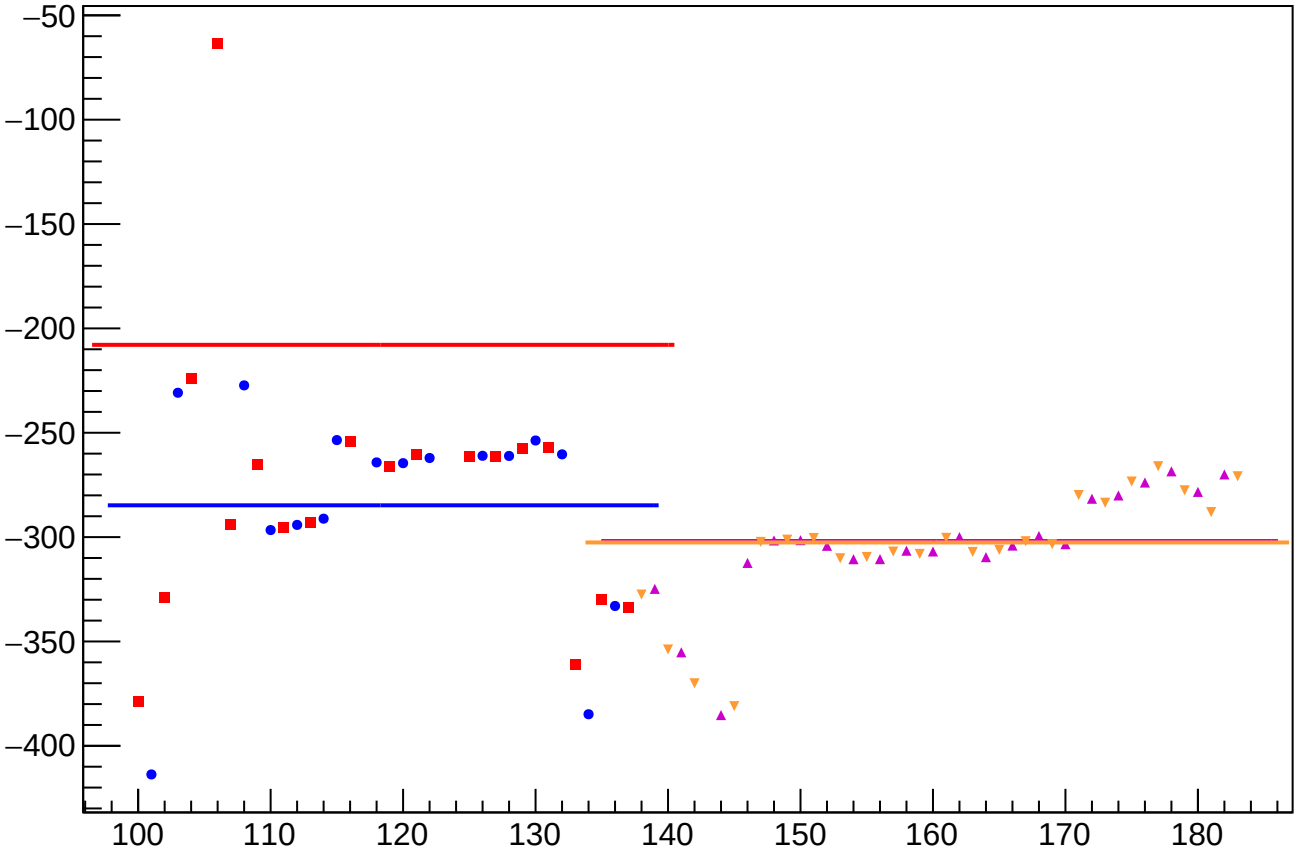
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 156.801+/-1.995 χ^2/NDF:443.0/21

+ sign 148.590+/-1.659 χ^2/NDF: 842.7/38

All: 146.063+/-1.173 χ^2/NDF: 1768.7/78

- sign 143.543+/-1.657 χ^2/NDF: 921.3/39



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -302.555+/-0.092 χ^2/NDF:83695.5/22

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

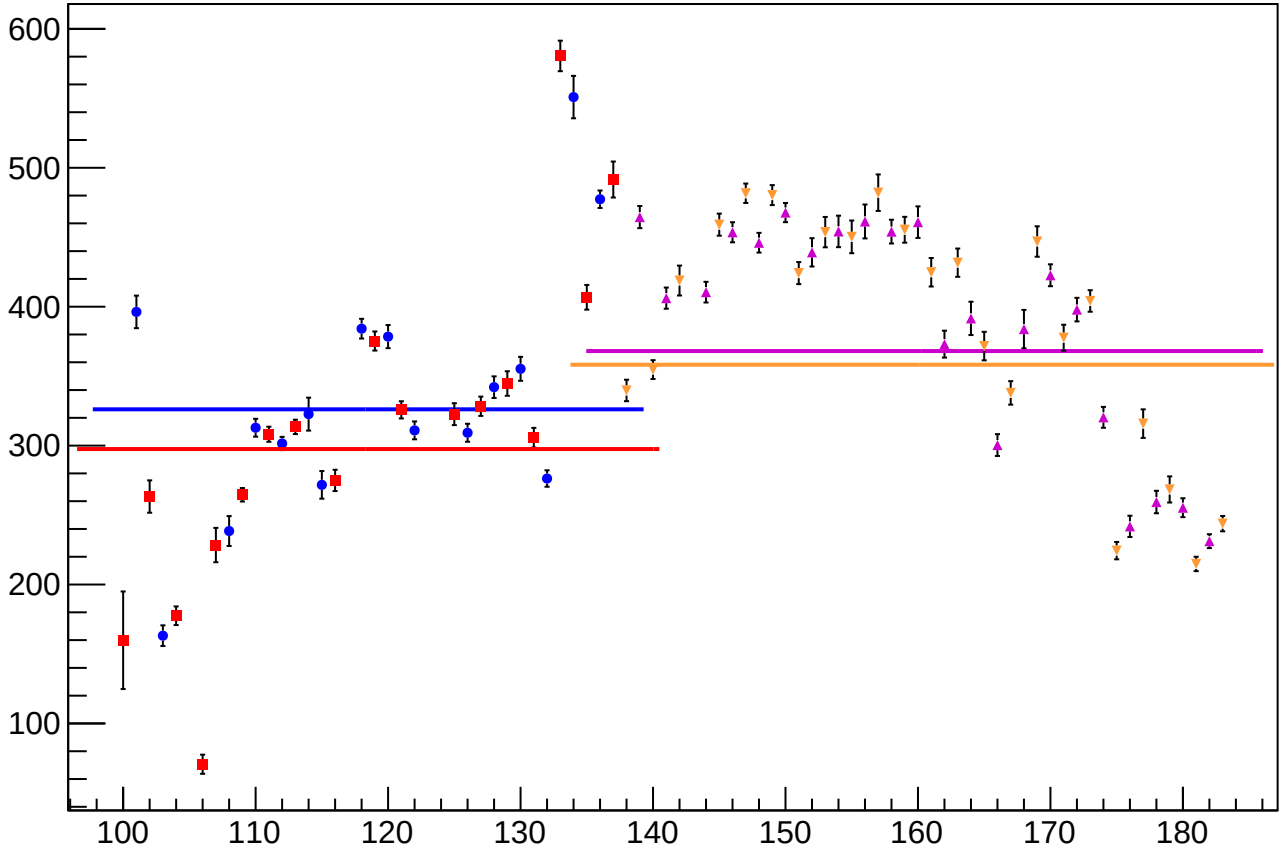
Left In: -301.865+/-0.091 χ^2/NDF:73189.1/21

+ sign -298.798+/-0.082 χ^2/NDF: 195984.9/38

All: -286.956+/-0.056 χ^2/NDF: 1135936.5/78

- sign -276.190+/-0.078 χ^2/NDF: 899731.7/39

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 358.223+/-1.697 χ^2/NDF:3170.6/22

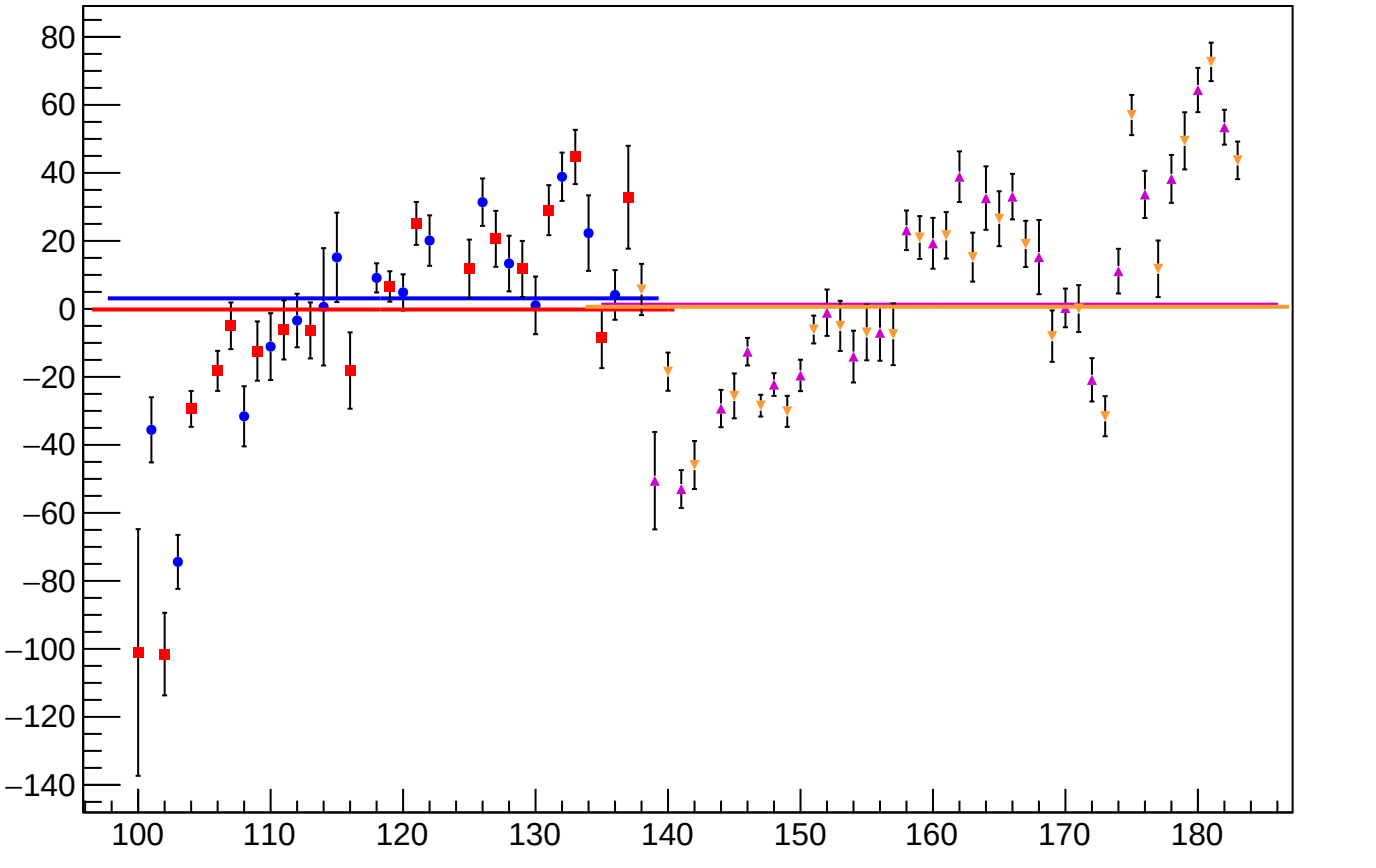
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 368.076+/-1.722 χ^2/NDF:2665.4/21

+ sign 343.617+/-1.253 χ^2/NDF: 4976.3/38

All: 338.214+/-0.875 χ^2/NDF: 11286.5/78

- sign 333.073+/-1.222 χ^2/NDF: 6273.9/39



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: 0.631+/-1.256 χ^2/NDF:626.0/22

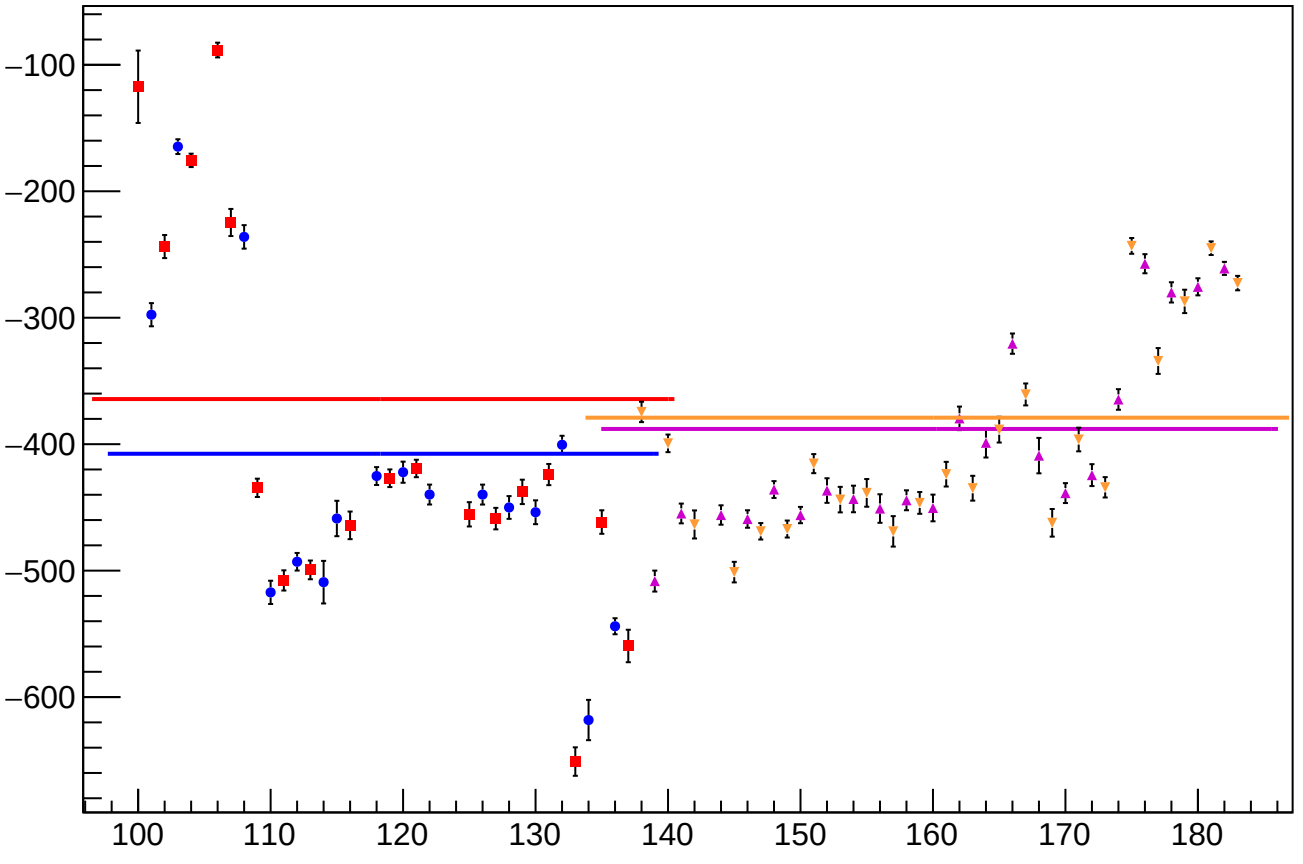
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: 1.257+/-1.280 χ^2/NDF:568.0/21

+ sign 1.386+/-1.046 χ^2/NDF: 811.8/38

All: 1.077+/-0.738 χ^2/NDF: 1585.6/78

- sign 0.771+/-1.042 χ^2/NDF: 773.6/39



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -379.045+/-1.684 χ^2/NDF:2593.8/22

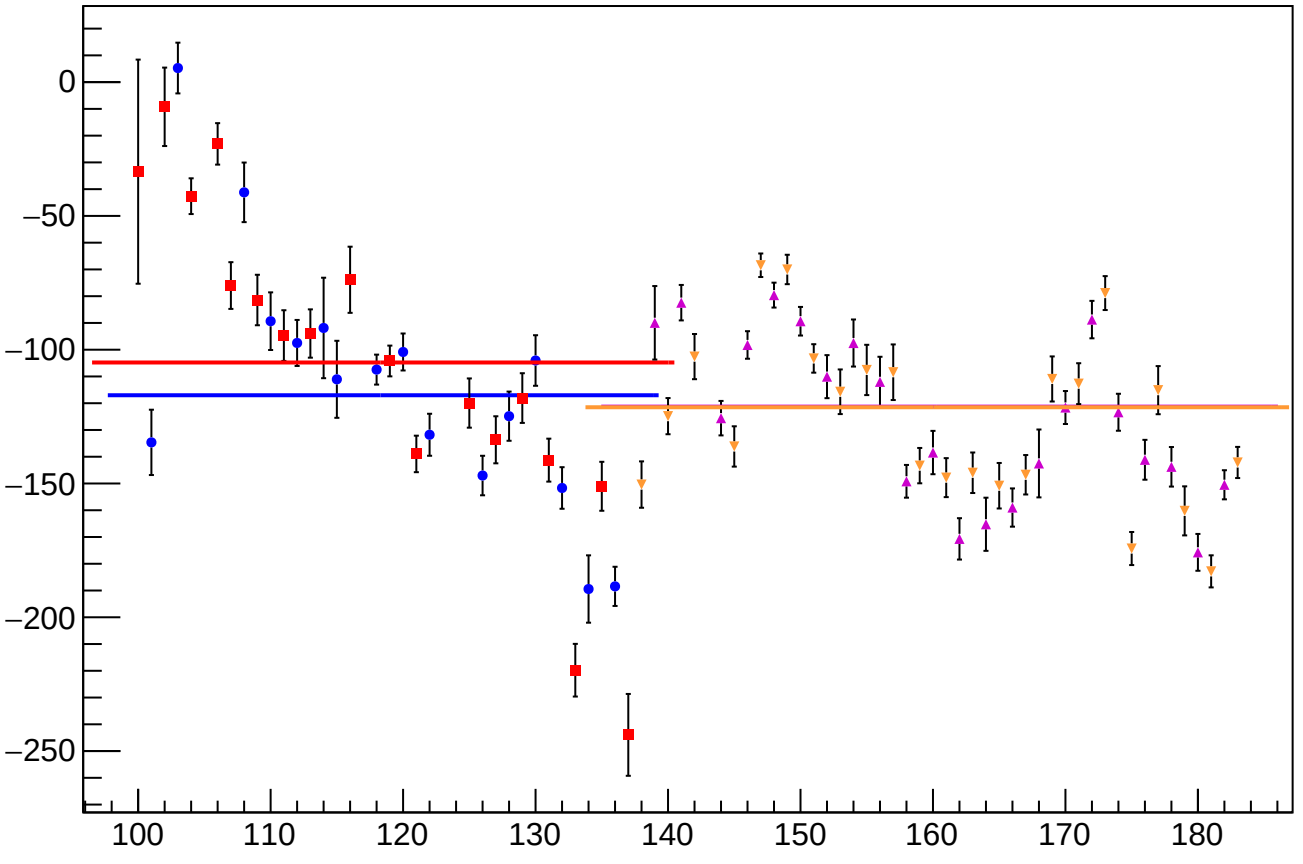
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -387.955+/-1.703 χ^2/NDF:2305.7/21

+ sign -390.384+/-1.307 χ^2/NDF: 5988.4/38

All: -383.902+/-0.915 χ^2/NDF: 14646.4/78

- sign -377.681+/-1.281 χ^2/NDF: 8609.8/39



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -121.511+/-1.447 χ^2/NDF:584.5/22

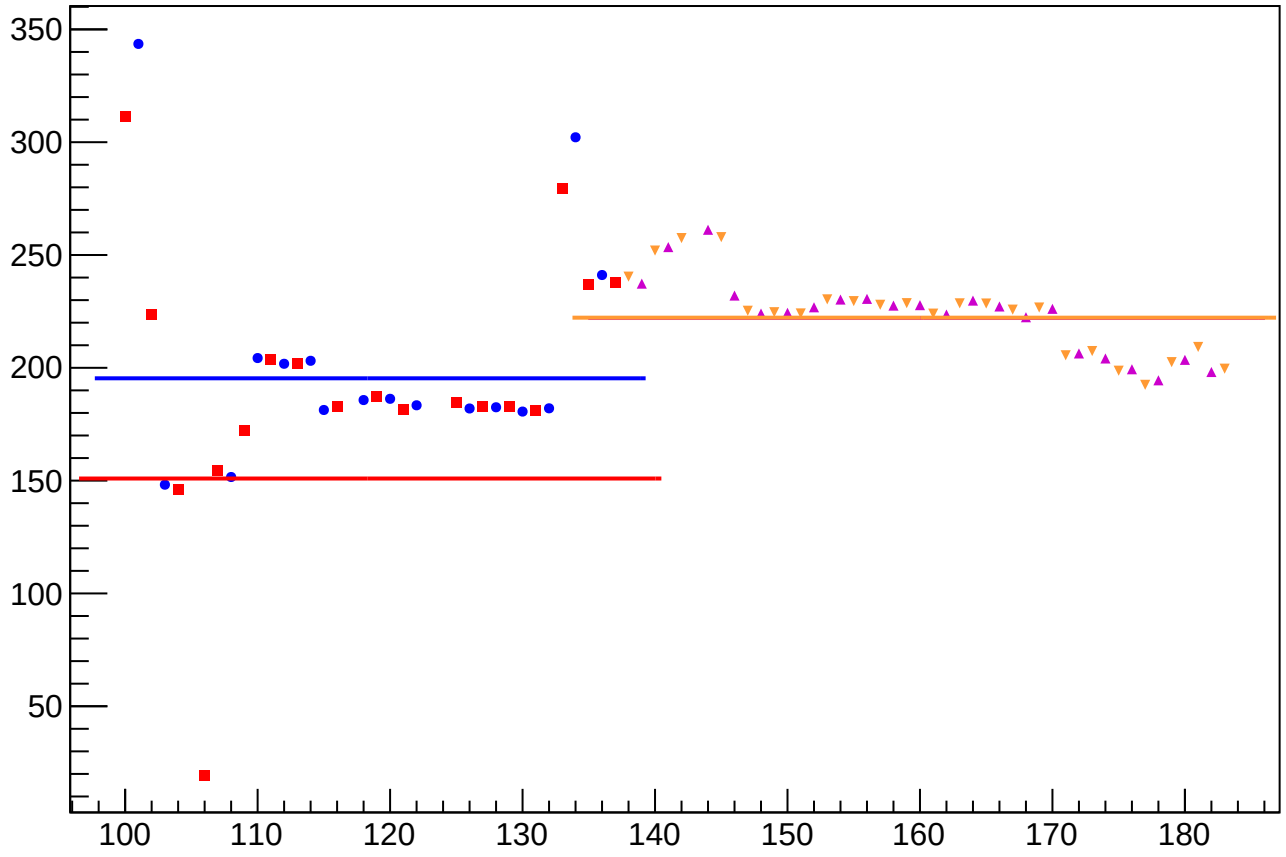
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -121.277+/-1.467 χ^2/NDF:432.0/21

+ sign -120.150+/-1.208 χ^2/NDF: 995.2/38

All: -117.979+/-0.852 χ^2/NDF: 2050.5/78

- sign -115.833+/-1.201 χ^2/NDF: 1048.8/39



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 222.222+/-0.067 χ^2/NDF:64145.6/22

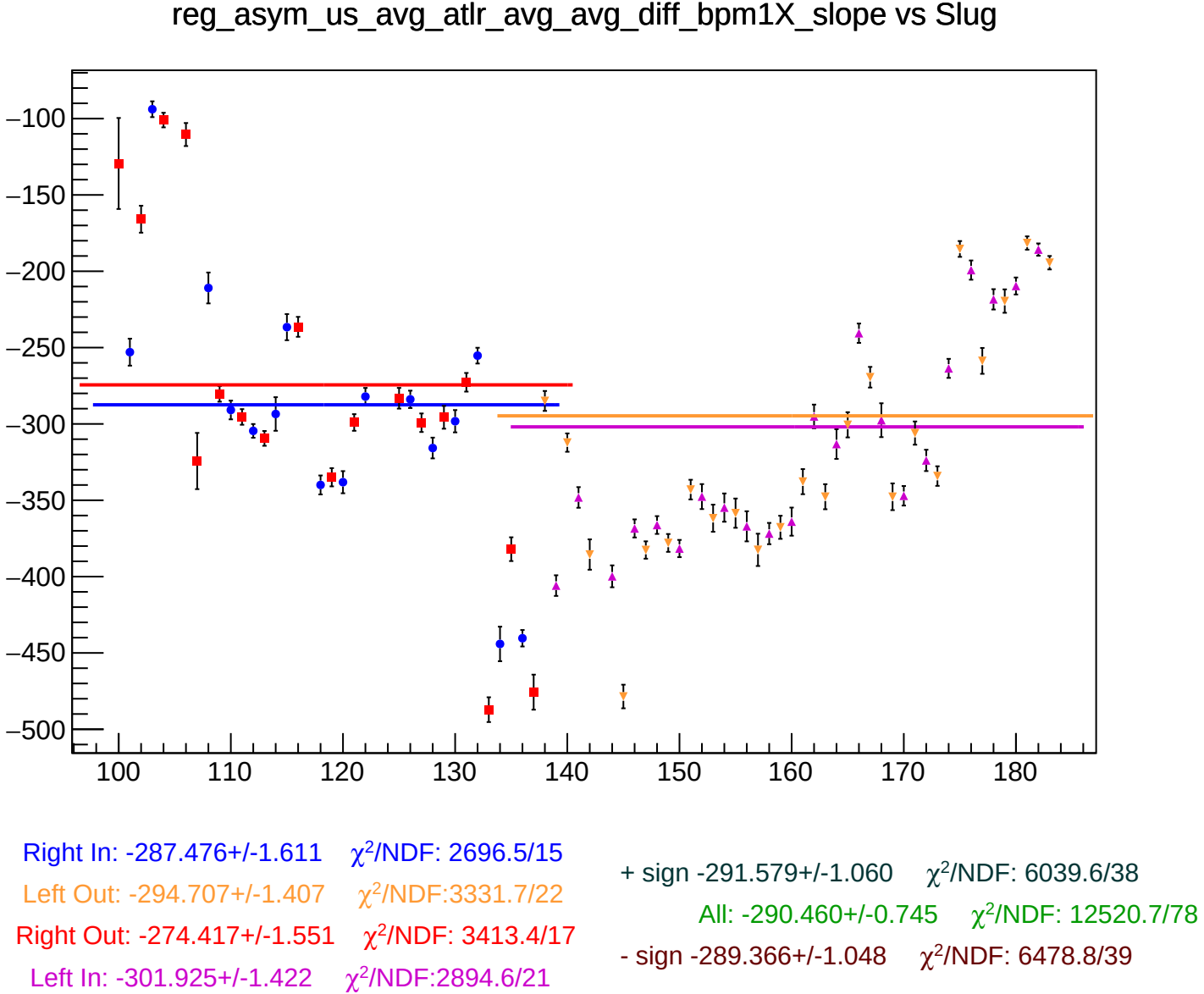
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 222.078+/-0.067 χ^2/NDF:60014.0/21

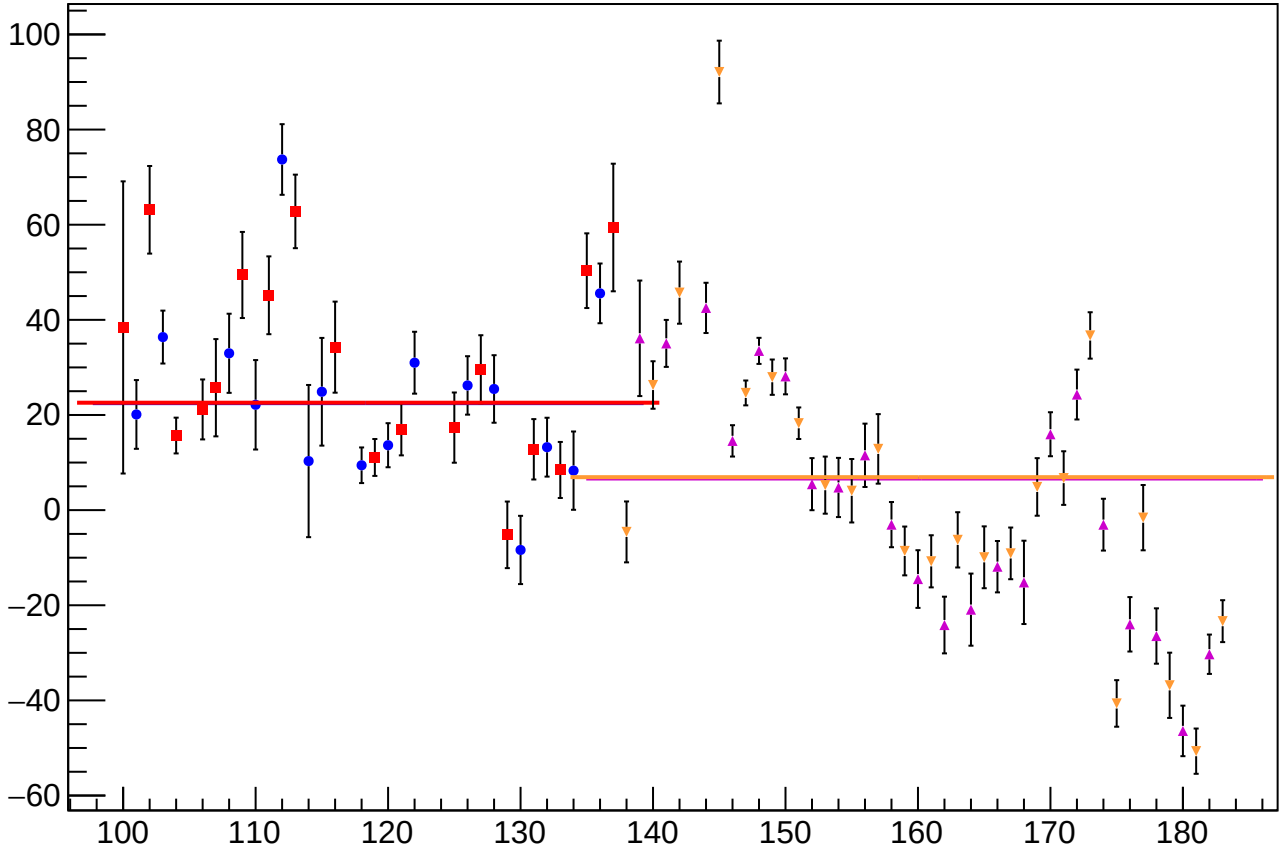
+ sign 216.132+/-0.059 χ^2/NDF: 277072.5/38

All: 209.246+/-0.041 χ^2/NDF: 1166515.4/78

- sign 202.821+/-0.057 χ^2/NDF: 863405.4/39


reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug
−100
−150
−200
−250
−300
−350
−400
−450
−500
100
110
120
130
140
150
160
170
180
Right In: -287.476+/-1.611 χ²/NDF: 2696.5/15
Left Out: -294.707+/-1.407 χ²/NDF:3331.7/22
Right Out: -274.417+/-1.551 χ²/NDF: 3413.4/17
Left In: -301.925+/-1.422 χ²/NDF:2894.6/21
+ sign -291.579+/-1.060 χ²/NDF: 6039.6/38
All: -290.460+/-0.745 χ²/NDF: 12520.7/78
- sign -289.366+/-1.048 χ²/NDF: 6478.8/39

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 6.927+/-1.037 χ^2/NDF:719.2/22

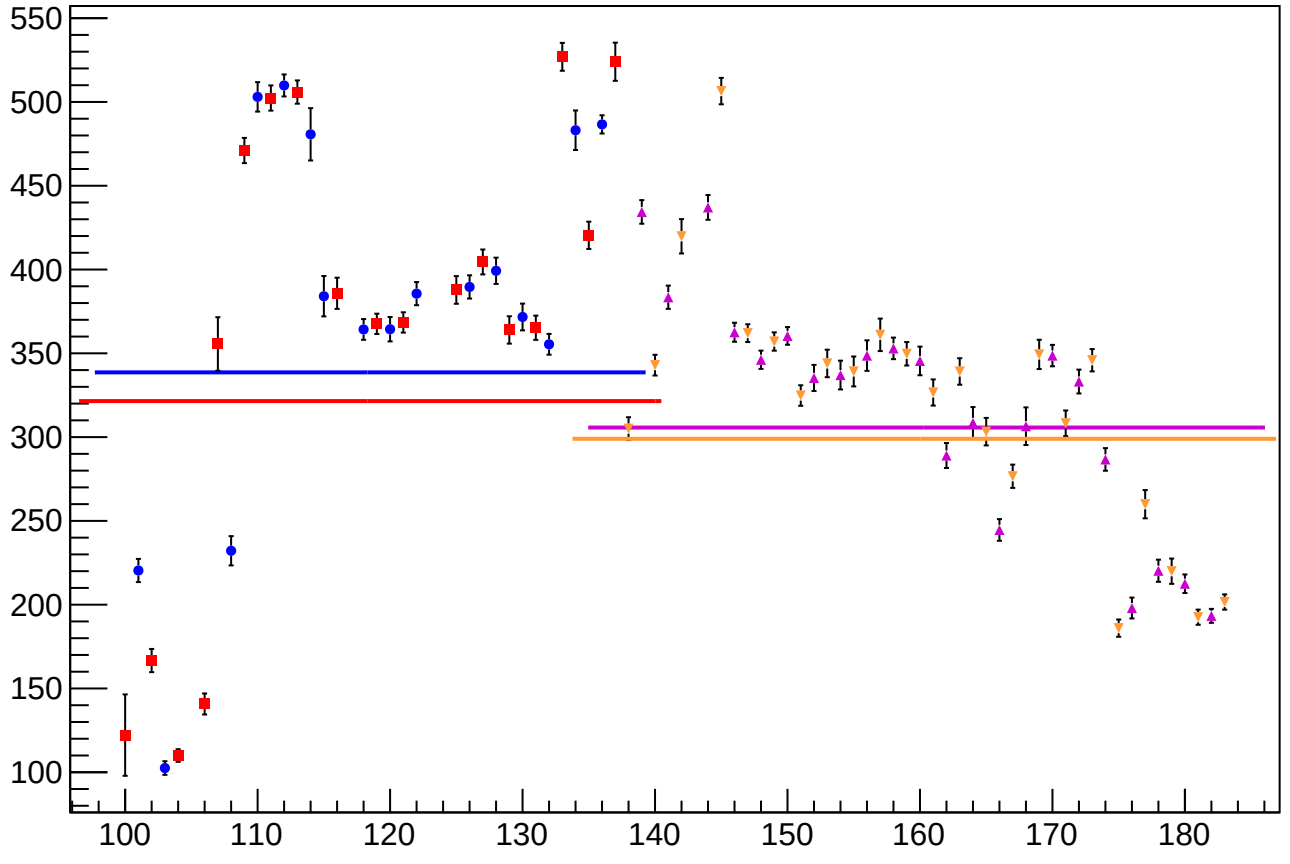
Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 6.647+/-1.056 χ^2/NDF:553.2/21

+ sign 11.450+/-0.874 χ^2/NDF: 896.0/38

All: 11.532+/-0.619 χ^2/NDF: 1643.5/78

- sign 11.614+/-0.876 χ^2/NDF: 747.5/39



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 298.991+/-1.394 χ^2/NDF:3056.4/22

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

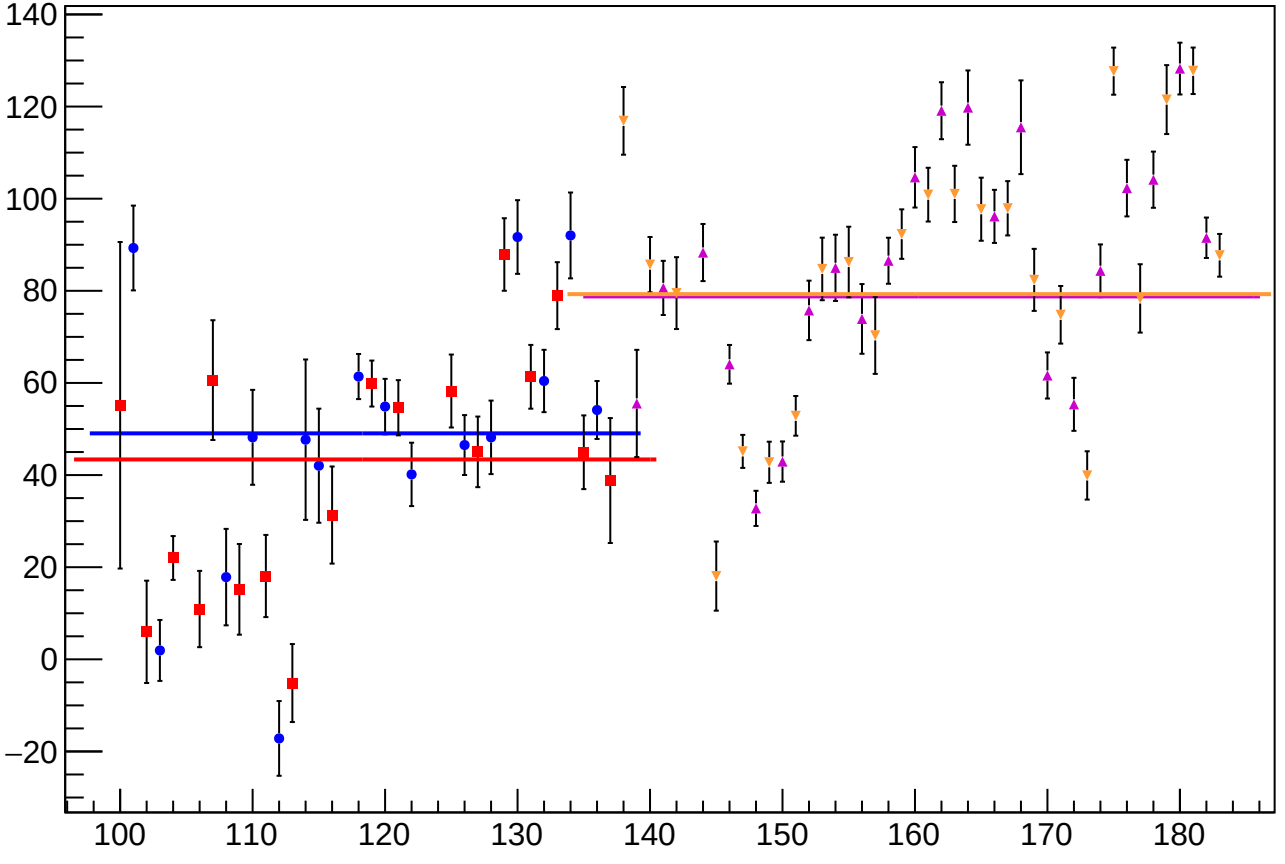
Left In: 305.705+/-1.405 χ^2/NDF:2806.2/21

+ sign 314.395+/-1.090 χ^2/NDF: 9413.4/38

All: 313.261+/-0.768 χ^2/NDF: 19994.0/78

- sign 312.144+/-1.082 χ^2/NDF: 10578.5/39

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 79.278+/-1.195 χ^2/NDF:615.2/22

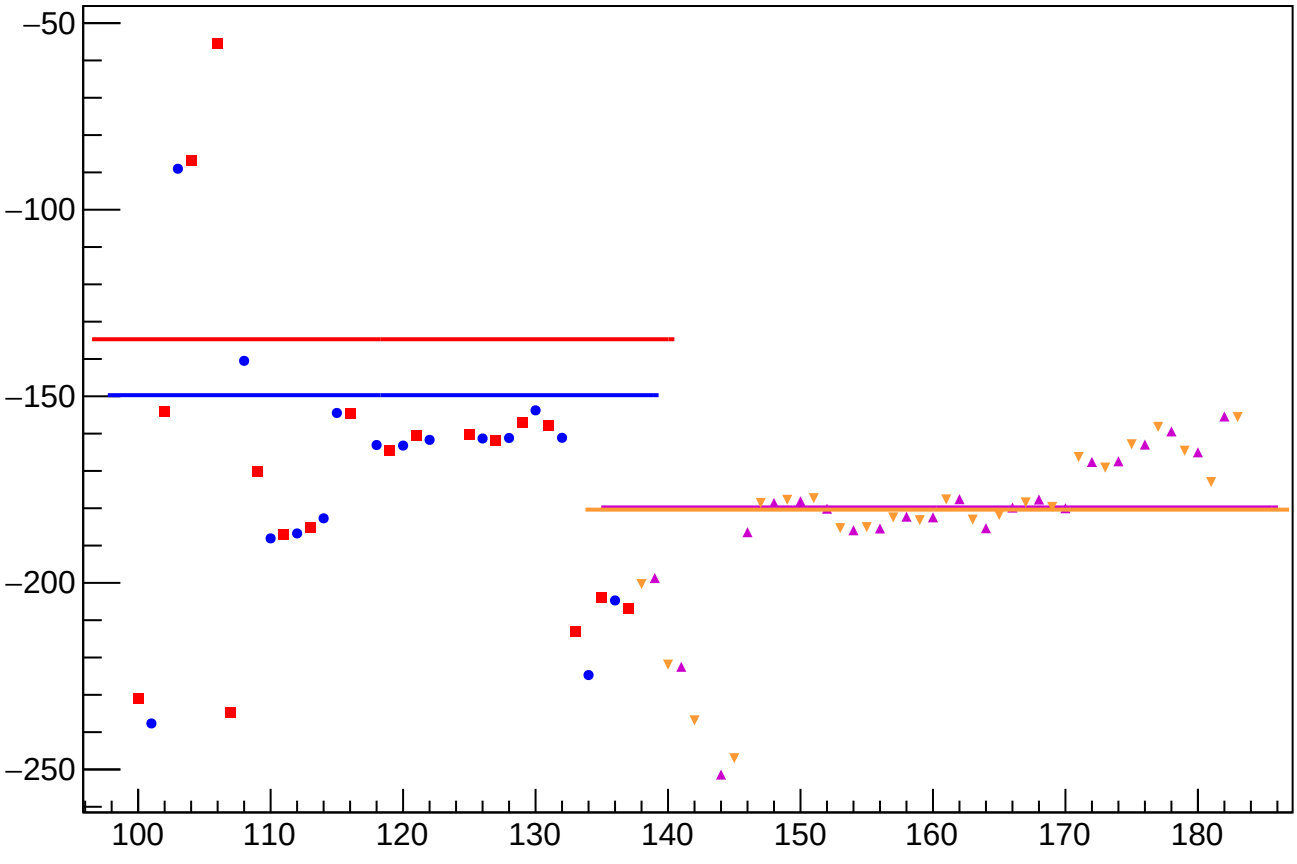
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 78.784+/-1.210 χ^2/NDF:488.3/21

+ sign 70.595+/-1.009 χ^2/NDF: 1006.9/38

All: 69.323+/-0.714 χ^2/NDF: 1937.9/78

- sign 68.048+/-1.010 χ^2/NDF: 927.8/39



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -180.371+/-0.056 χ^2/NDF:126932.3/22

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

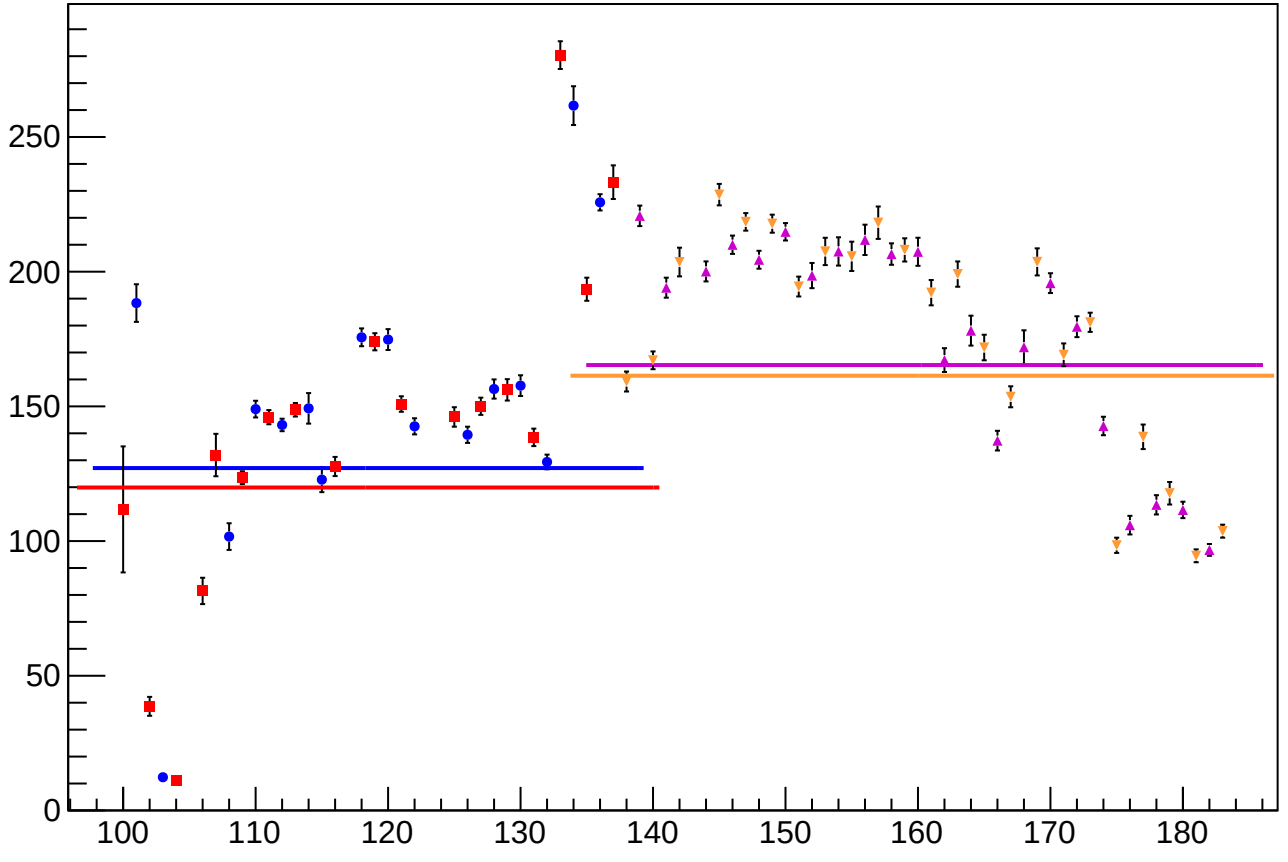
Left In: -179.780+/-0.055 χ^2/NDF:109812.5/21

+ sign -173.201+/-0.049 χ^2/NDF: 454326.3/38

All: -170.932+/-0.034 χ^2/NDF: 1043977.9/78

- sign -168.729+/-0.048 χ^2/NDF: 585381.6/39

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 161.384+/-0.784 χ^2/NDF:3579.2/22

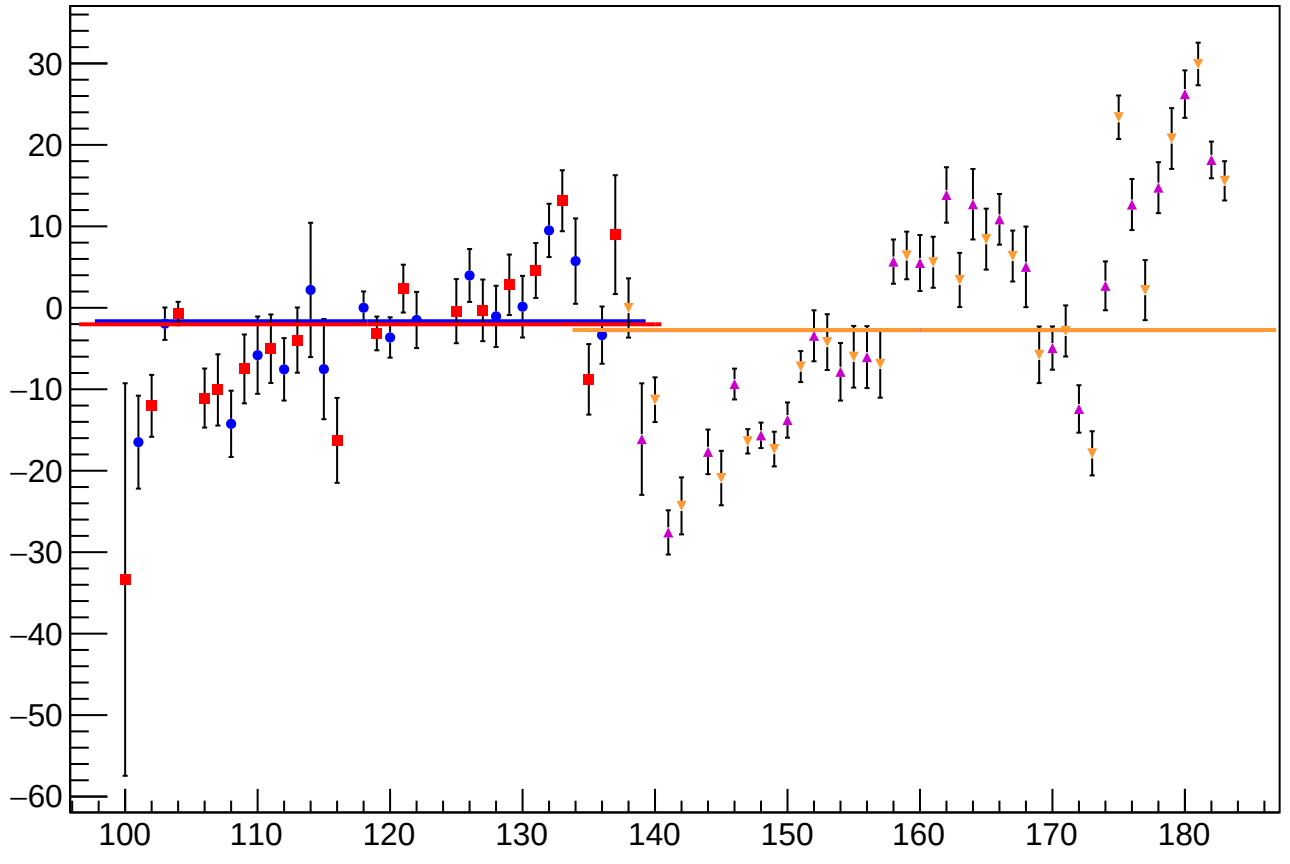
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 165.339+/-0.794 χ^2/NDF:3247.9/21

+ sign 144.808+/-0.564 χ^2/NDF: 10665.9/38

All: 143.404+/-0.395 χ^2/NDF: 22256.0/78

- sign 142.047+/-0.554 χ^2/NDF: 11577.9/39



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -2.719+/-0.583 χ^2/NDF:635.9/22

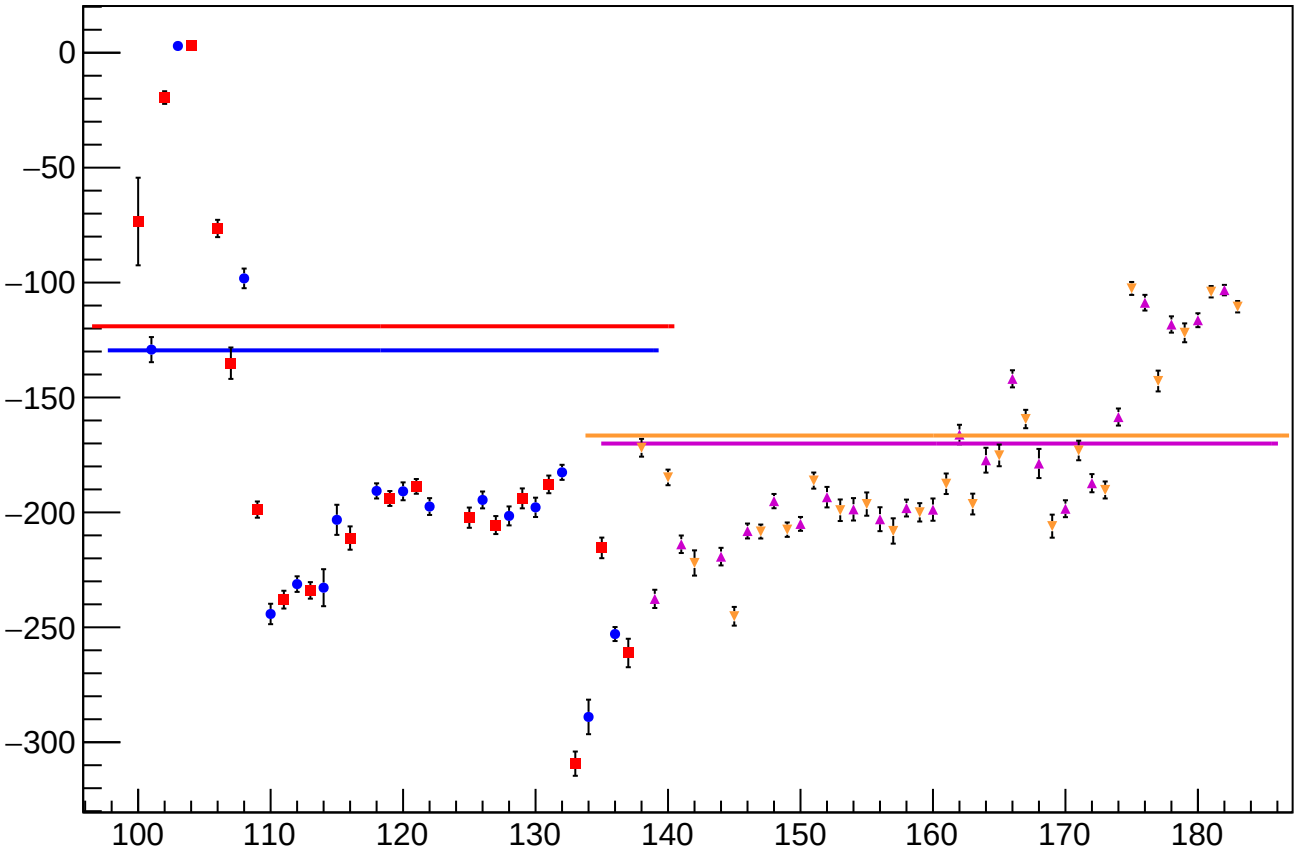
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -2.734+/-0.594 χ^2/NDF:555.6/21

+ sign -2.368+/-0.478 χ^2/NDF: 676.1/38

All: -2.420+/-0.335 χ^2/NDF: 1290.8/78

- sign -2.470+/-0.470 χ^2/NDF: 614.7/39



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -166.550+/-0.778 χ^2/NDF:3085.0/22

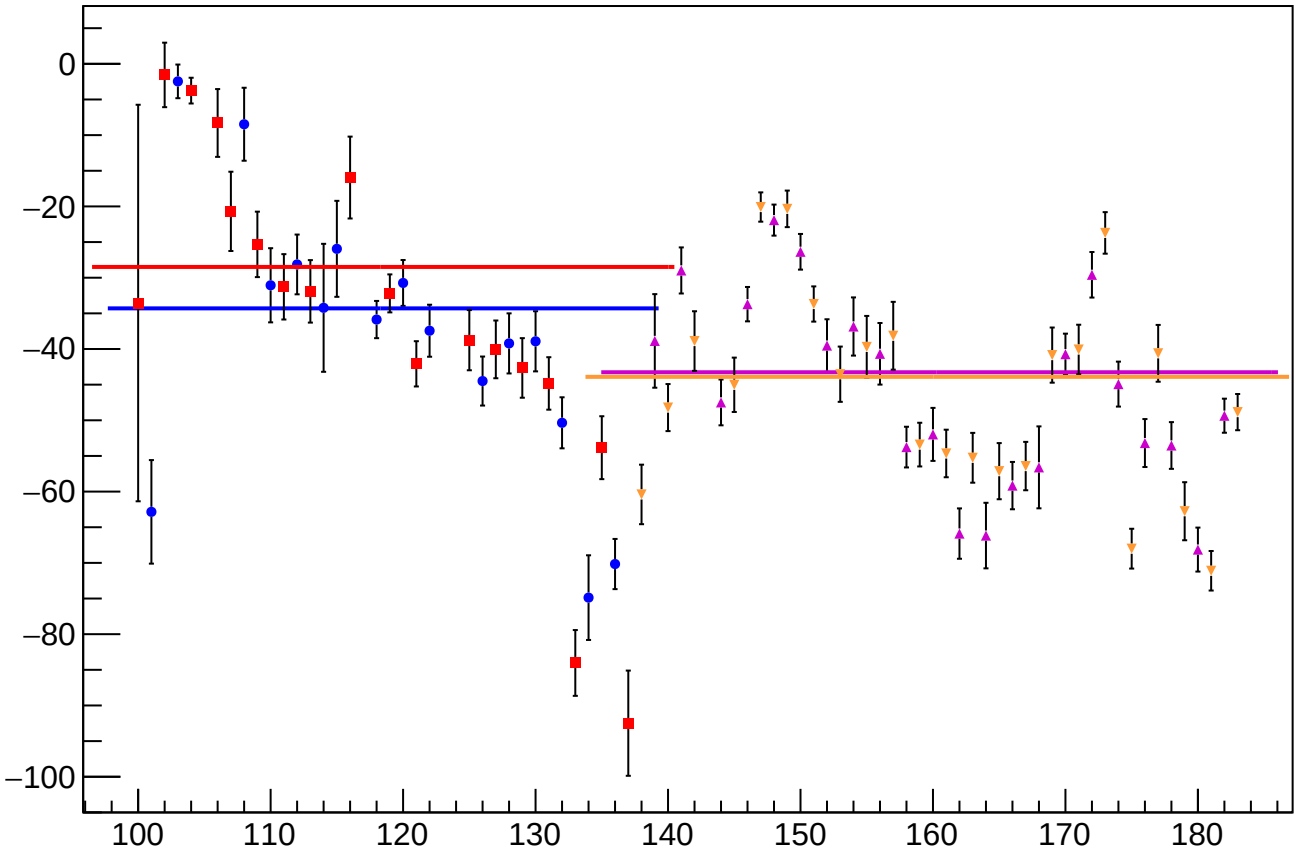
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -170.045+/-0.786 χ^2/NDF:2985.1/21

+ sign -149.572+/-0.573 χ^2/NDF: 18811.2/38

All: -147.458+/-0.402 χ^2/NDF: 40037.9/78

- sign -145.402+/-0.565 χ^2/NDF: 21199.8/39



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -43.905+/-0.670 χ^2/NDF:559.3/22

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

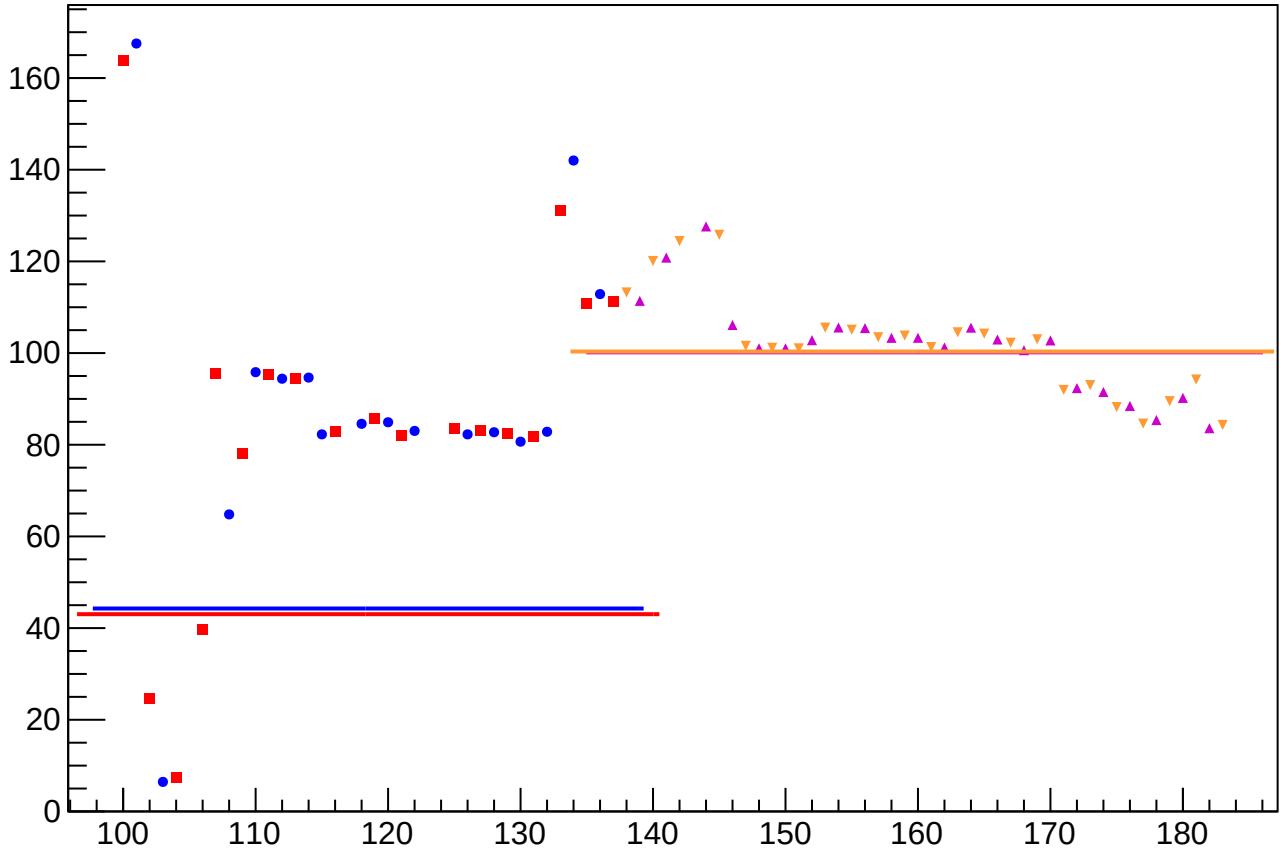
Left In: -43.261+/-0.679 χ^2/NDF:405.6/21

+ sign -40.791+/-0.551 χ^2/NDF: 1037.1/38

All: -39.354+/-0.387 χ^2/NDF: 2194.2/78

- sign -37.956+/-0.543 χ^2/NDF: 1143.7/39

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 100.336+/-0.031 χ^2/NDF:115451.1/22

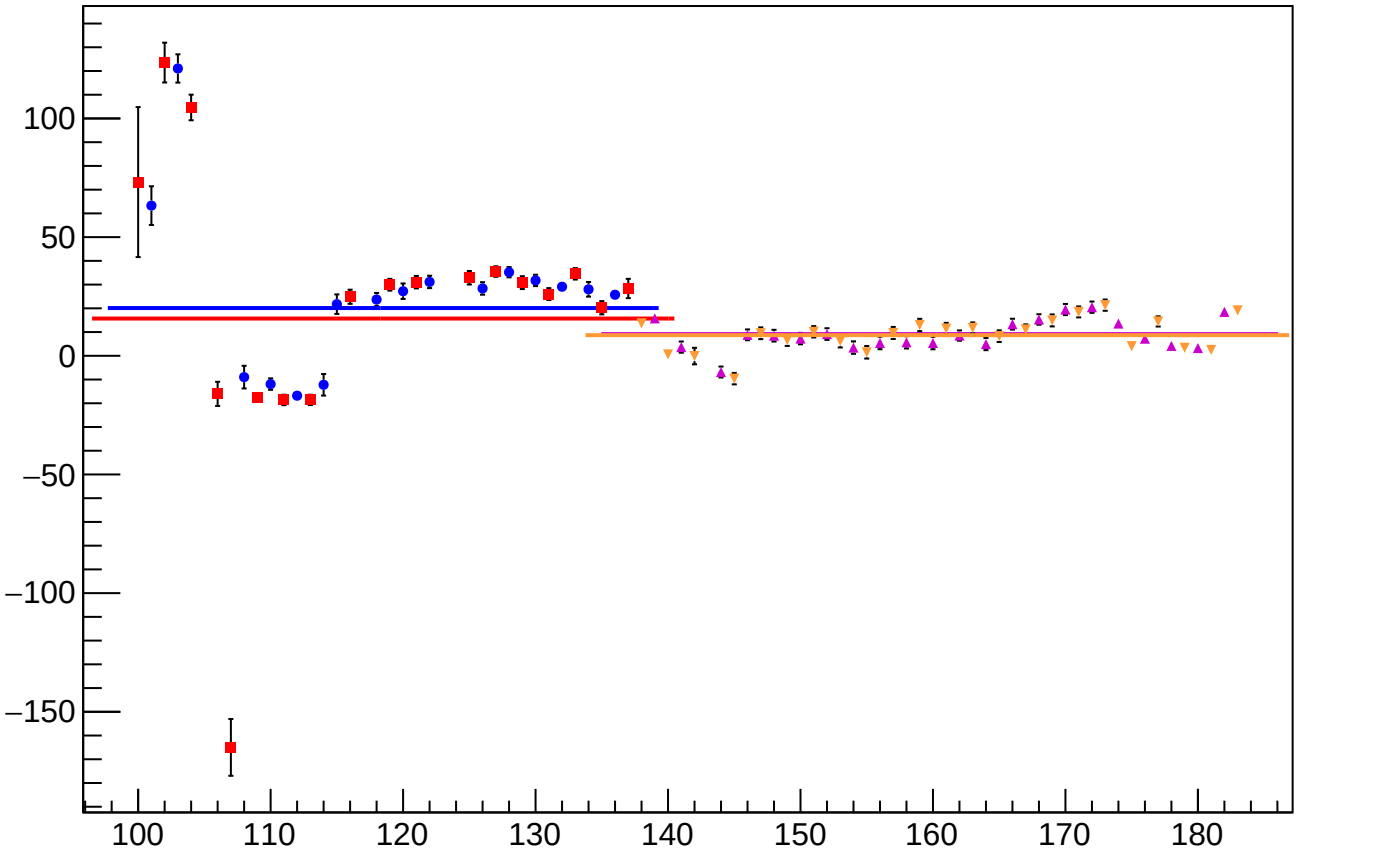
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 100.156+/-0.031 χ^2/NDF:108100.2/21

+ sign 82.121+/-0.026 χ^2/NDF: 2251055.2/38

All: 81.955+/-0.018 χ^2/NDF: 4255823.6/78

- sign 81.790+/-0.026 χ^2/NDF: 2004684.5/39



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.696+/-0.460 χ^2/NDF:233.1/22

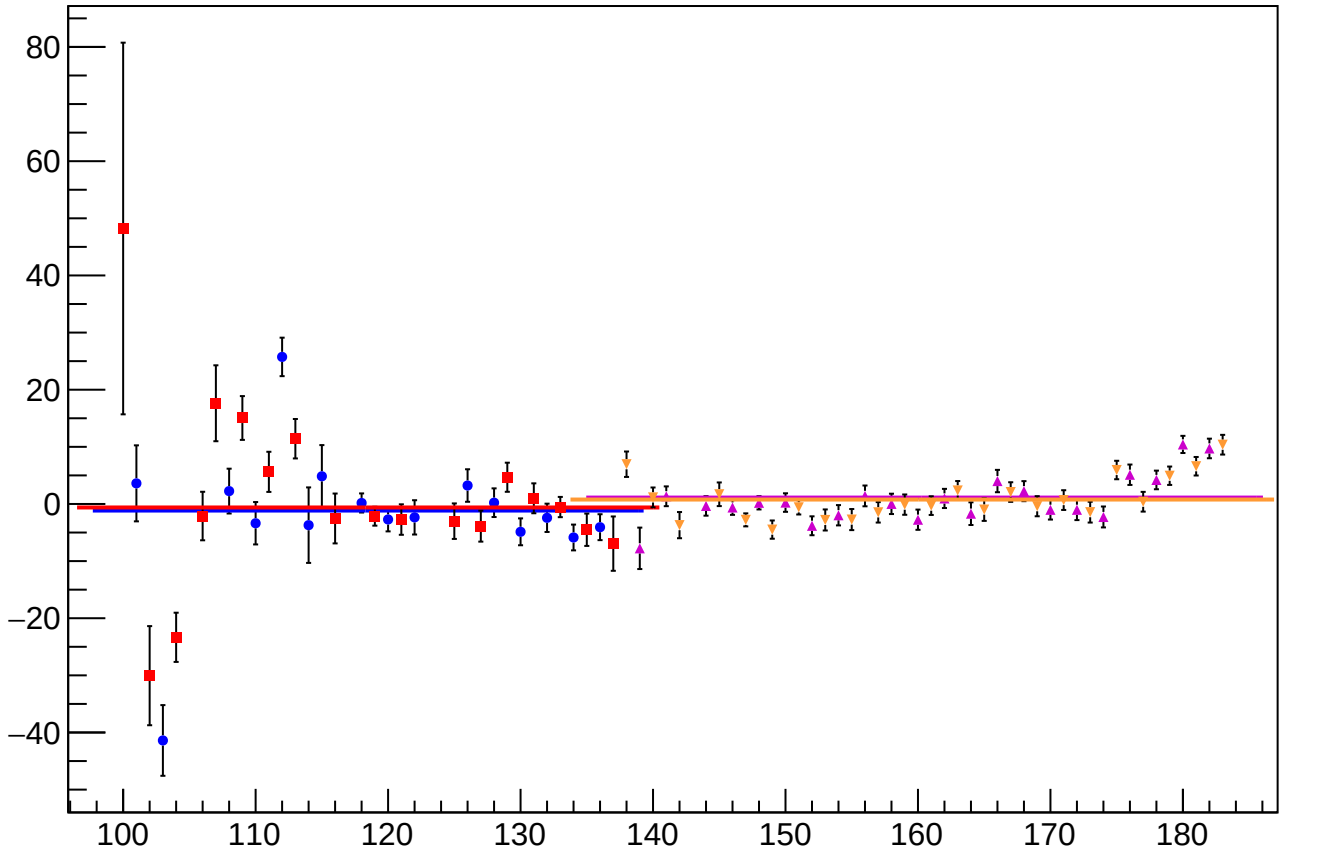
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.139+/-0.468 χ^2/NDF:190.6/21

\+ sign 12.228+/-0.382 χ^2/NDF: 1472.0/38

All: 11.738+/-0.271 χ^2/NDF: 3502.7/78

\- sign 11.238+/-0.386 χ^2/NDF: 2027.3/39



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 0.775+/-0.352 χ^2/NDF:108.3/22

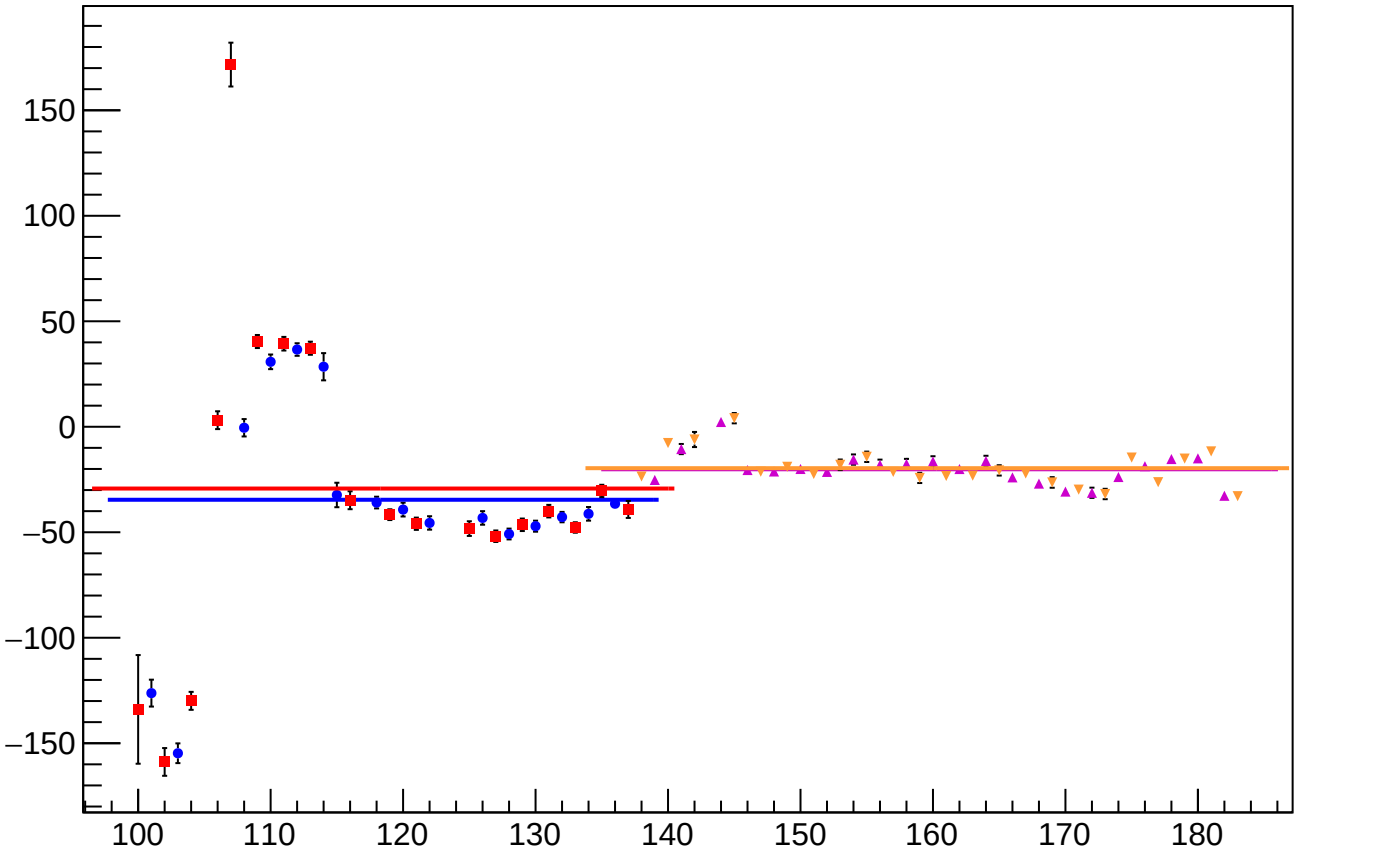
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: 1.119+/-0.360 χ^2/NDF:109.7/21

\+ sign 0.386+/-0.314 χ^2/NDF: 236.2/38

All: 0.572+/-0.225 χ^2/NDF: 444.7/78

\- sign 0.767+/-0.322 χ^2/NDF: 207.8/39



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.633+/-0.455 χ^2/NDF:320.4/22

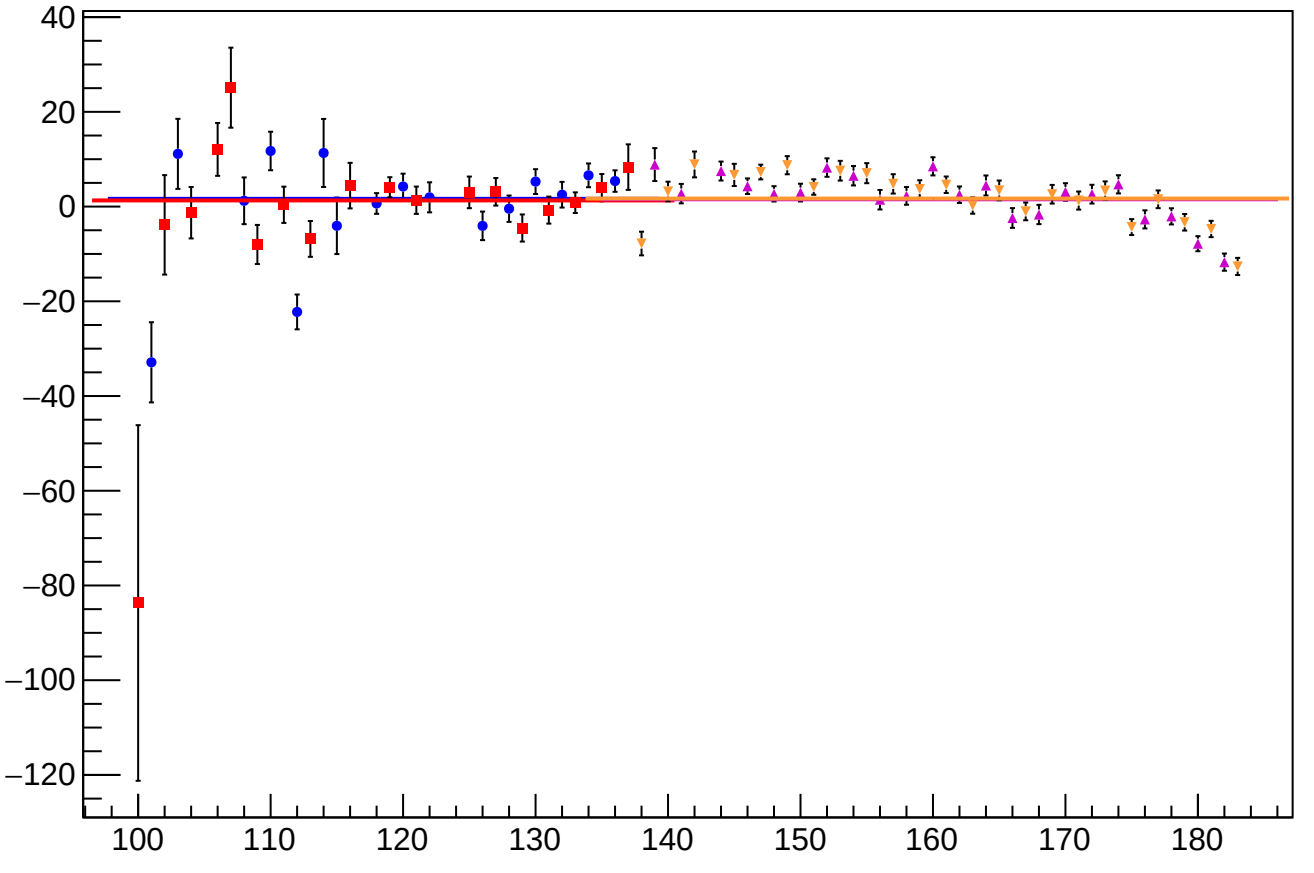
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -20.153+/-0.463 χ^2/NDF:249.6/21

+ sign -23.393+/-0.394 χ^2/NDF: 2650.1/38

All: -22.924+/-0.281 χ^2/NDF: 6081.2/78

- sign -22.441+/-0.400 χ^2/NDF: 3428.2/39



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 1.696+/-0.397 χ^2/NDF:177.7/22

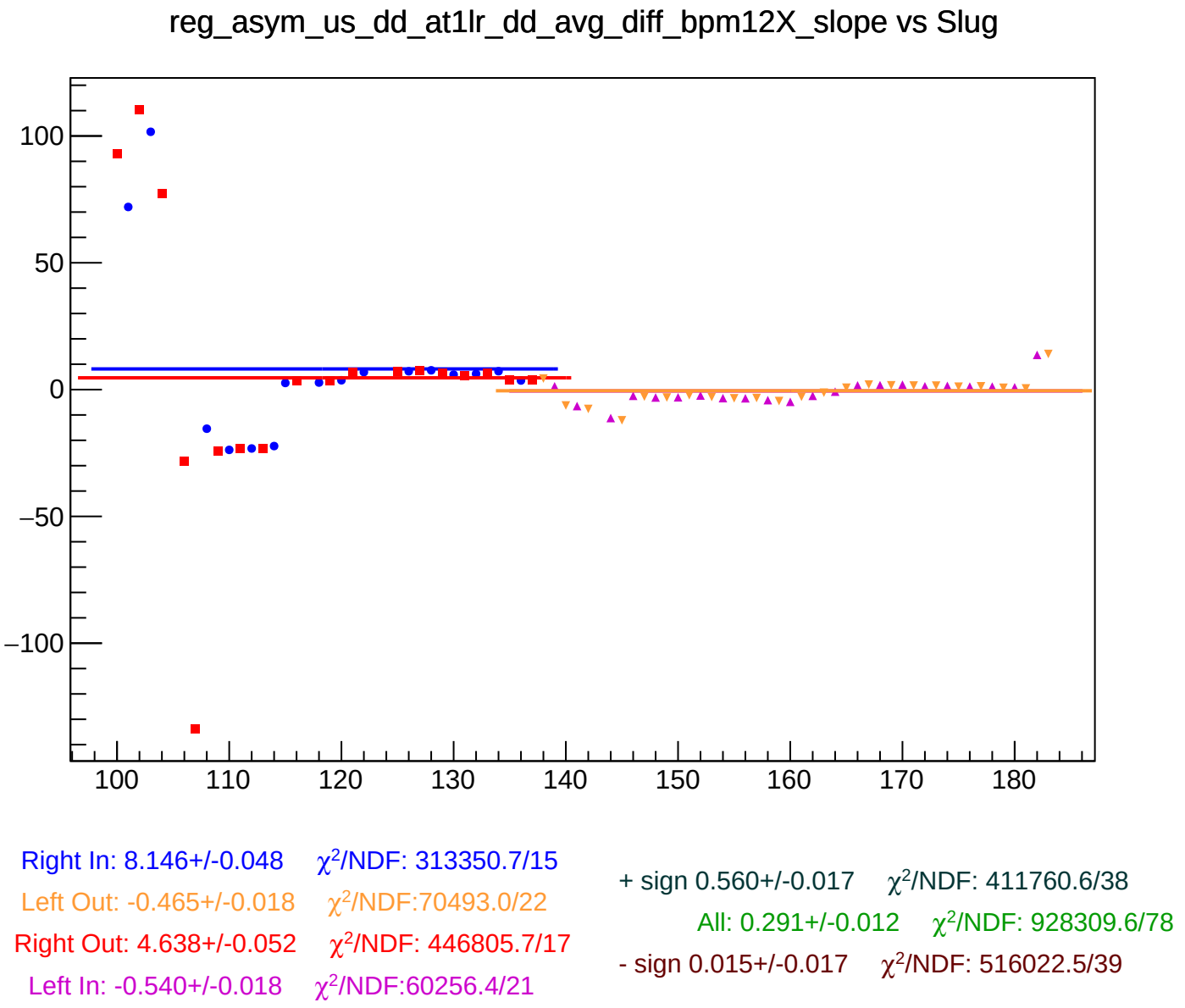
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

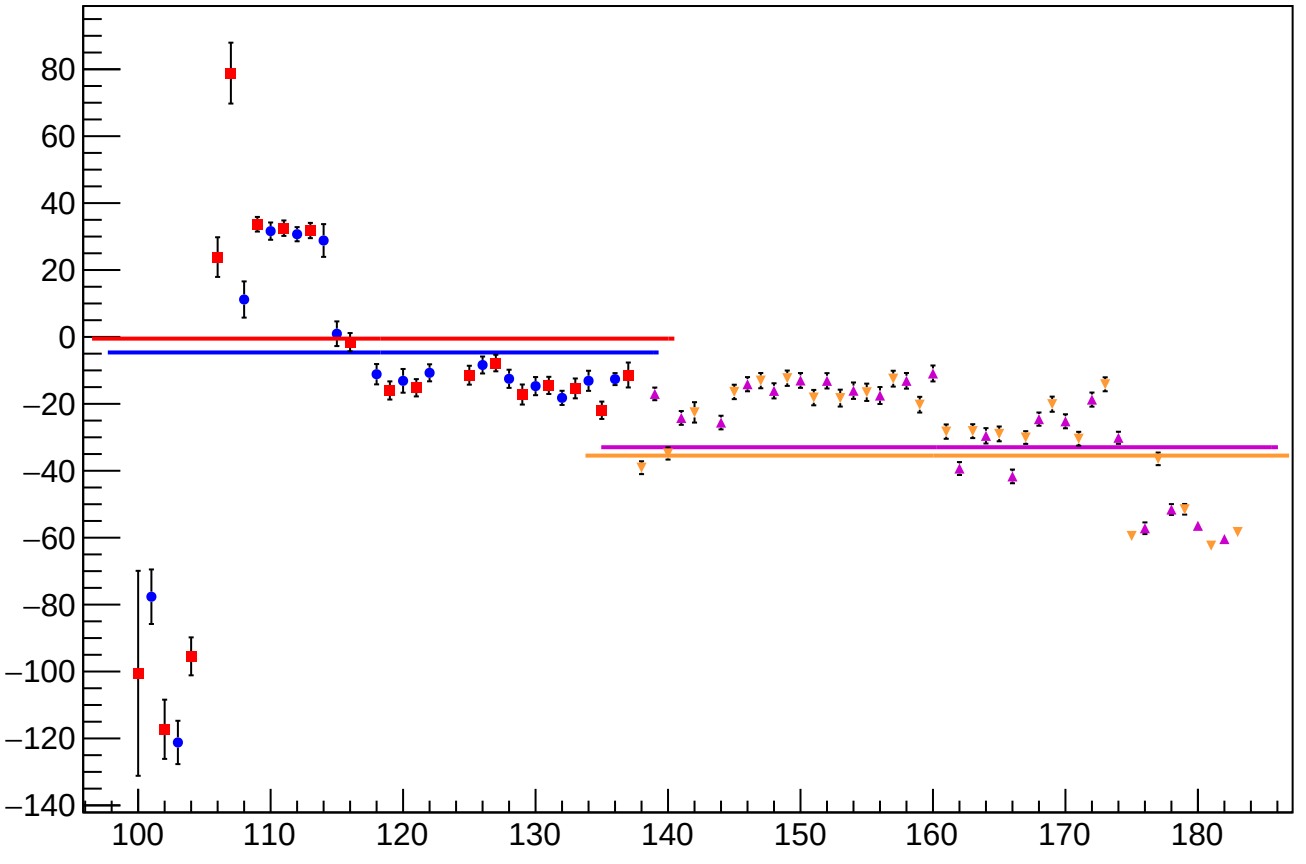
Left In: 1.540+/-0.406 χ^2/NDF:158.4/21

+ sign 1.683+/-0.356 χ^2/NDF: 261.0/38

All: 1.589+/-0.254 χ^2/NDF: 457.1/78

- sign 1.492+/-0.364 χ^2/NDF: 196.0/39


reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 8.146+/-0.048 χ²/NDF: 313350.7/15
Left Out: -0.465+/-0.018 χ²/NDF:70493.0/22
Right Out: 4.638+/-0.052 χ²/NDF: 446805.7/17
Left In: -0.540+/-0.018 χ²/NDF:60256.4/21
+ sign 0.560+/-0.017 χ²/NDF: 411760.6/38
All: 0.291+/-0.012 χ²/NDF: 928309.6/78
- sign 0.015+/-0.017 χ²/NDF: 516022.5/39



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -35.465+/-0.411 χ^2/NDF:1824.3/22

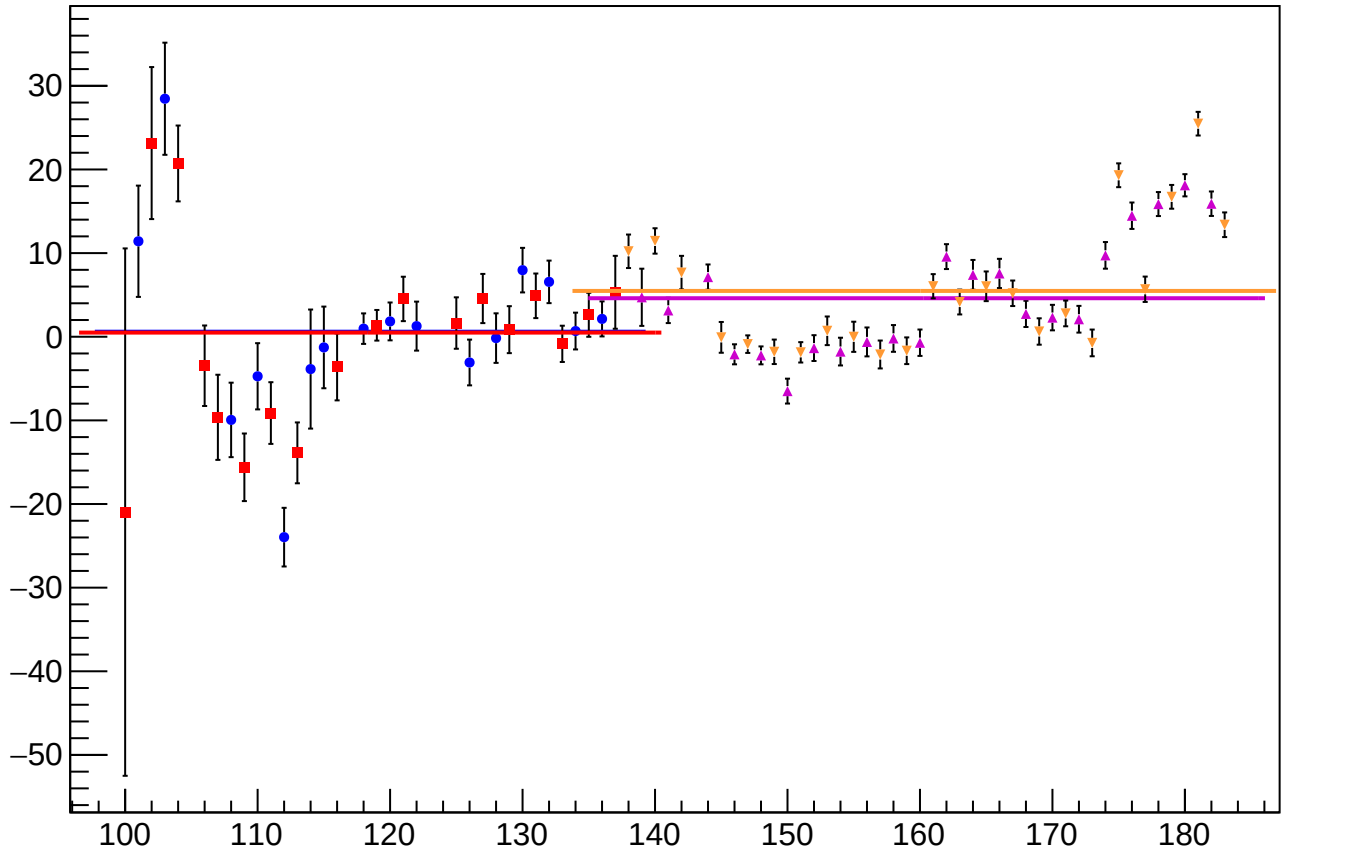
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -32.964+/-0.419 χ^2/NDF:1736.5/21

+ sign -27.743+/-0.356 χ^2/NDF: 4277.1/38

All: -26.188+/-0.254 χ^2/NDF: 9057.1/78

- sign -24.590+/-0.361 χ^2/NDF: 4741.4/39



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 5.478+/-0.317 χ^2/NDF:601.6/22

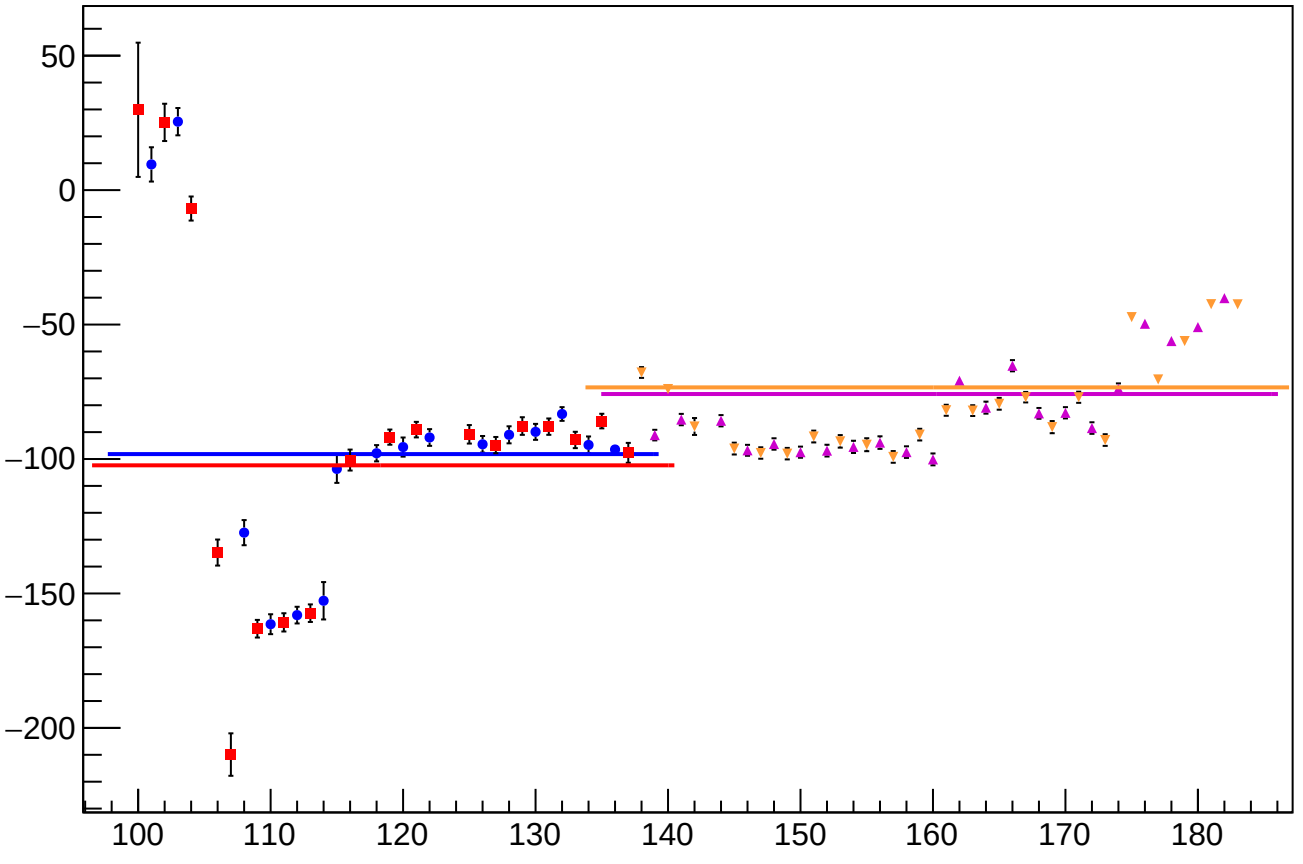
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 4.604+/-0.324 χ^2/NDF:487.6/21

+ sign 4.699+/-0.291 χ^2/NDF: 732.3/38

All: 4.341+/-0.208 χ^2/NDF: 1328.1/78

- sign 3.965+/-0.298 χ^2/NDF: 592.7/39



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -73.360+/-0.408 χ^2/NDF:2383.0/22

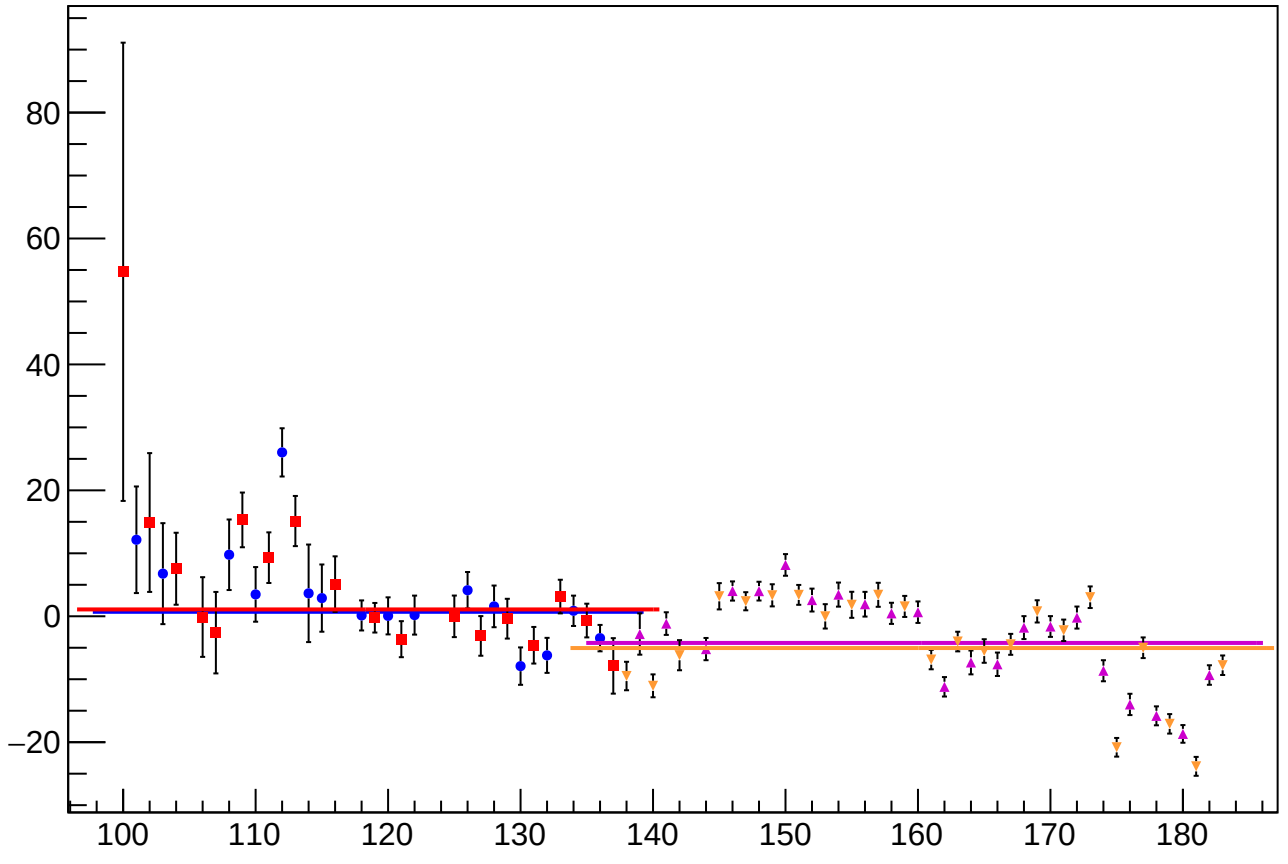
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -75.831+/-0.415 χ^2/NDF:2243.2/21

\+ sign -78.358+/-0.365 χ^2/NDF: 4827.0/38

All: -79.686+/-0.260 χ^2/NDF: 10020.6/78

\- sign -81.064+/-0.372 χ^2/NDF: 5166.6/39



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -5.047+/-0.357 χ^2/NDF:532.5/22

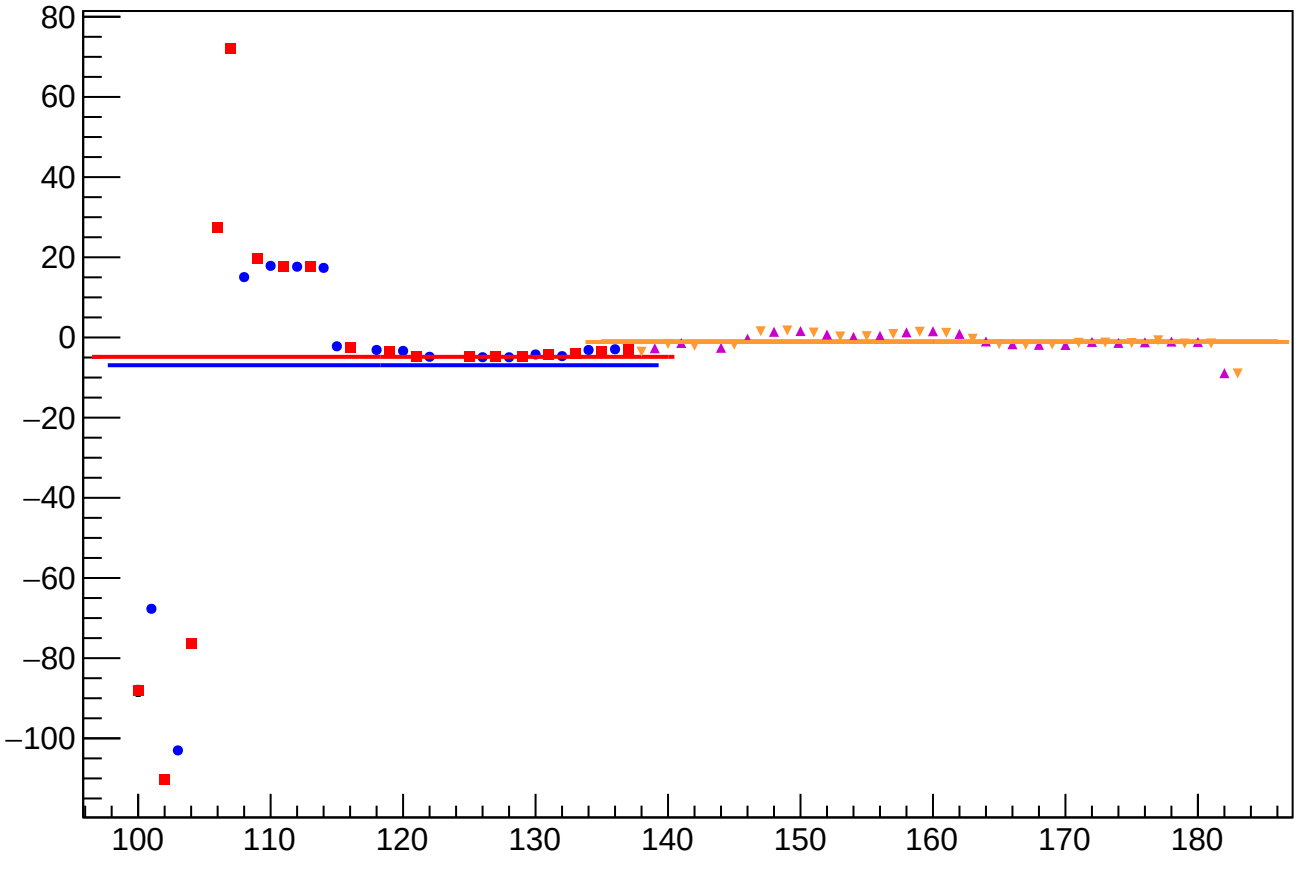
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -4.235+/-0.364 χ^2/NDF:423.4/21

+ sign -4.130+/-0.328 χ^2/NDF: 643.4/38

All: -3.783+/-0.234 χ^2/NDF: 1149.5/78

- sign -3.419+/-0.335 χ^2/NDF: 503.8/39



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -1.130+/-0.016 χ^2/NDF:21204.7/22

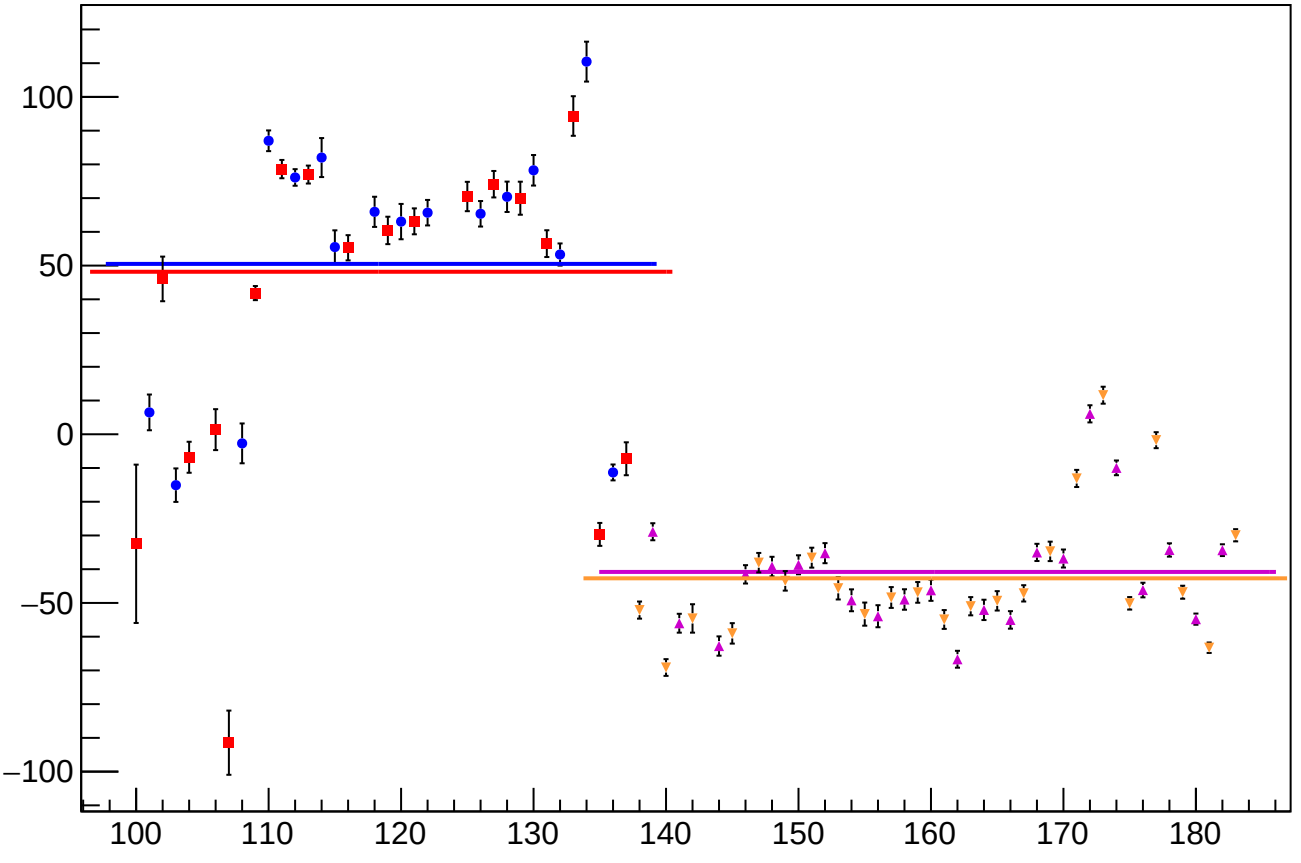
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.024+/-0.016 χ^2/NDF:20067.5/21

+ sign -1.700+/-0.015 χ^2/NDF: 299257.8/38

All: -1.526+/-0.011 χ^2/NDF: 663711.6/78

- sign -1.348+/-0.015 χ^2/NDF: 364190.6/39



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -42.703+/-0.522 χ^2/NDF:1378.9/22

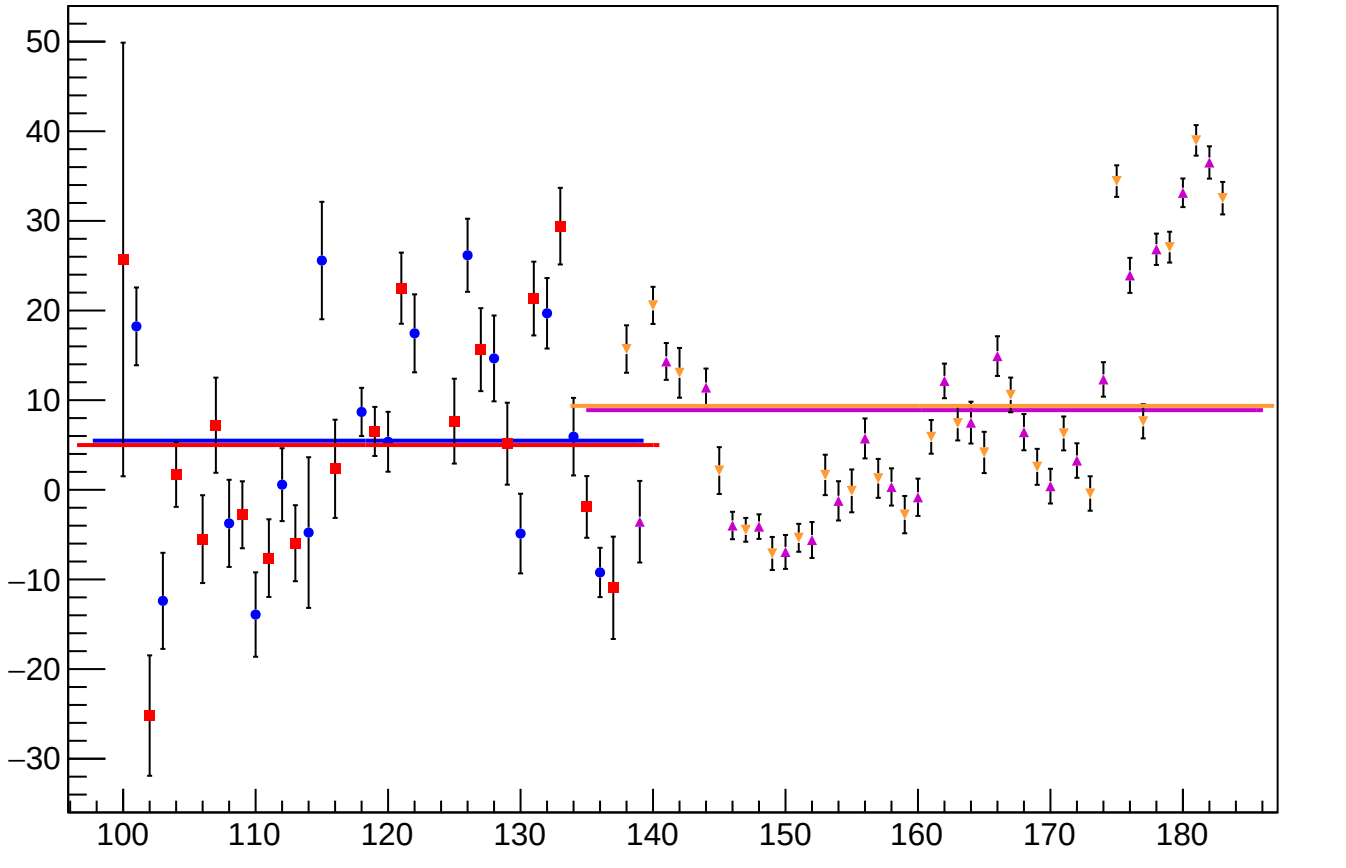
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -40.808+/-0.532 χ^2/NDF:948.1/21

\+ sign -21.633+/-0.459 χ^2/NDF: 10097.6/38

All: -19.980+/-0.325 χ^2/NDF: 19669.1/78

\- sign -18.323+/-0.460 χ^2/NDF: 9545.6/39



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 9.365+/-0.404 χ^2/NDF:1221.0/22

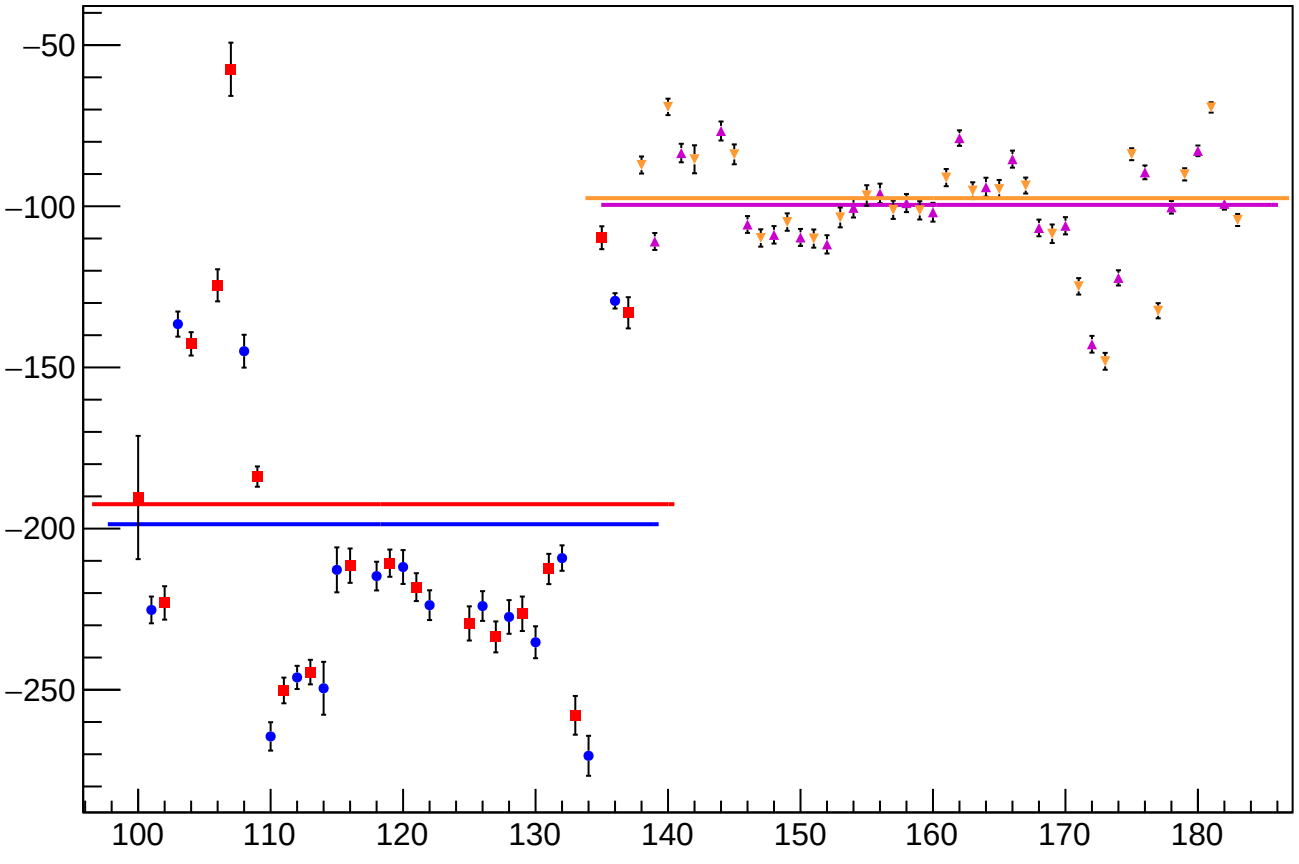
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 8.886+/-0.413 χ^2/NDF:1034.2/21

+ sign 8.839+/-0.376 χ^2/NDF: 1371.7/38

All: 8.595+/-0.268 χ^2/NDF: 2551.0/78

- sign 8.341+/-0.383 χ^2/NDF: 1178.5/39



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -97.479+/-0.518 χ^2/NDF:1345.0/22

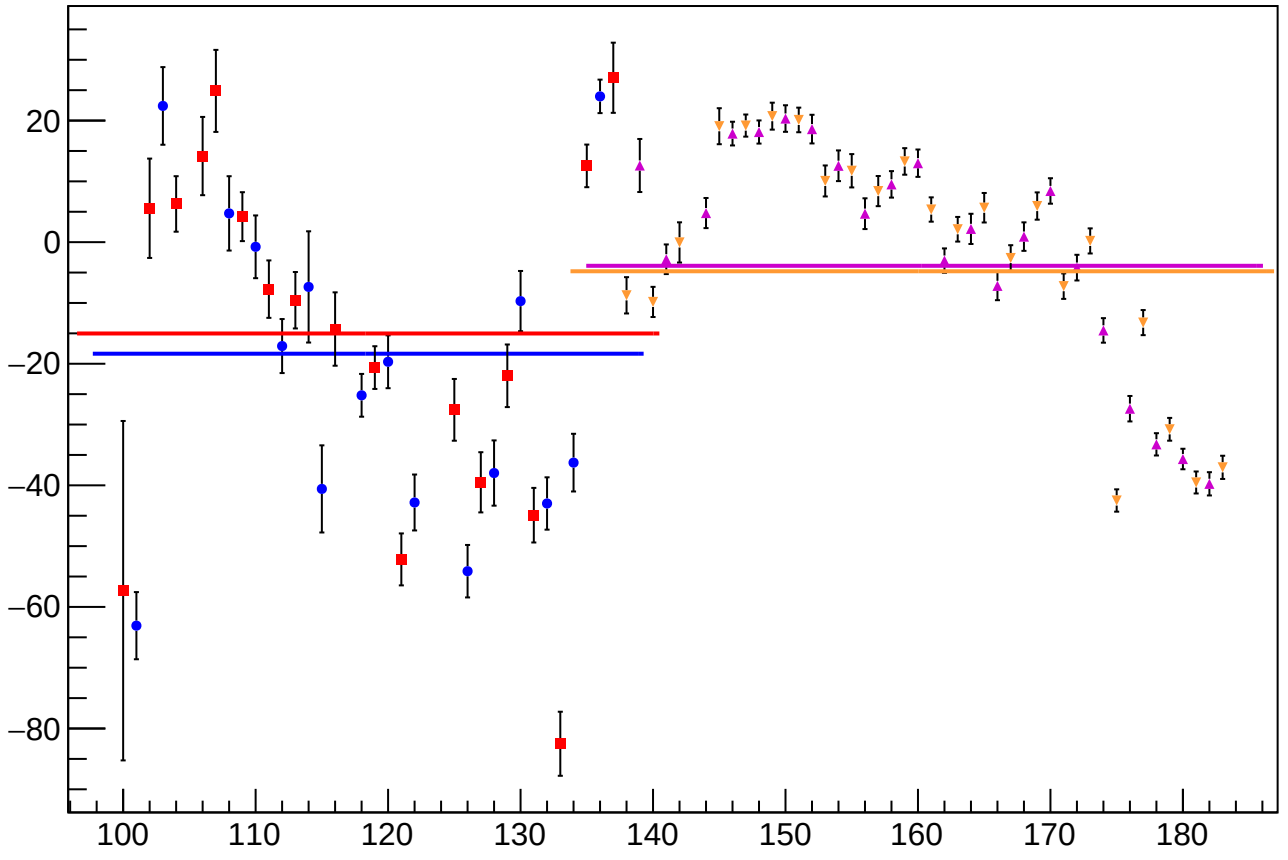
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -99.570+/-0.527 χ^2/NDF:779.1/21

+ sign -116.310+/-0.467 χ^2/NDF: 10443.3/38

All: -116.860+/-0.333 χ^2/NDF: 19338.0/78

- sign -117.424+/-0.473 χ^2/NDF: 8891.9/39



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -4.788+/-0.455 χ^2/NDF:2069.2/22

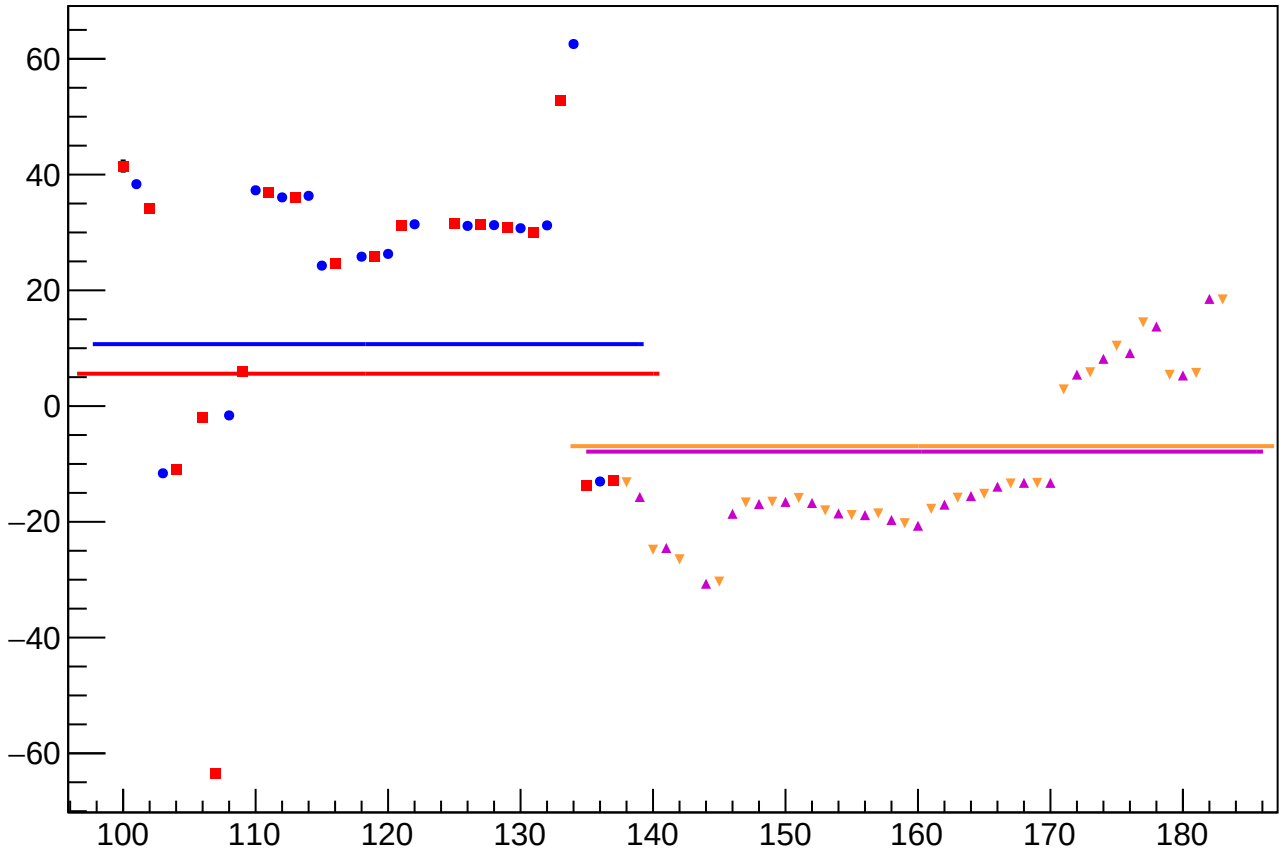
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: -3.887+/-0.464 χ^2/NDF:1809.9/21

\+ sign -6.597+/-0.423 χ^2/NDF: 2731.6/38

All: -6.017+/-0.302 χ^2/NDF: 5171.0/78

\- sign -5.417+/-0.431 χ^2/NDF: 2435.6/39



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -6.923+/-0.020 χ^2/NDF:468693.4/22

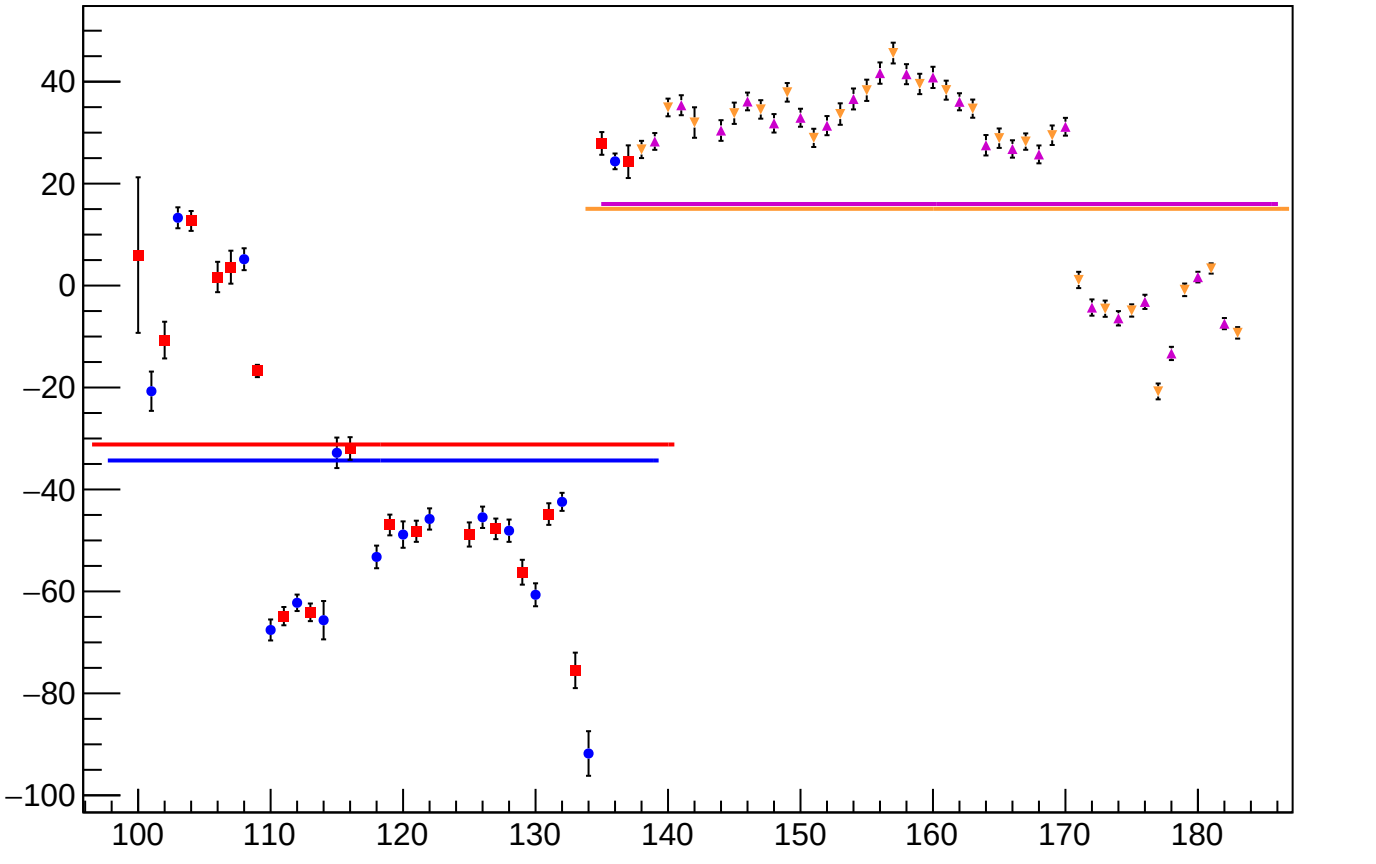
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -7.871+/-0.021 χ^2/NDF:451285.7/21

\+ sign -5.245+/-0.019 χ^2/NDF: 704603.1/38

All: -5.919+/-0.014 χ^2/NDF: 1353868.6/78

\- sign -6.602+/-0.020 χ^2/NDF: 646837.4/39



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 15.055+/-0.338 χ^2/NDF:3453.2/22

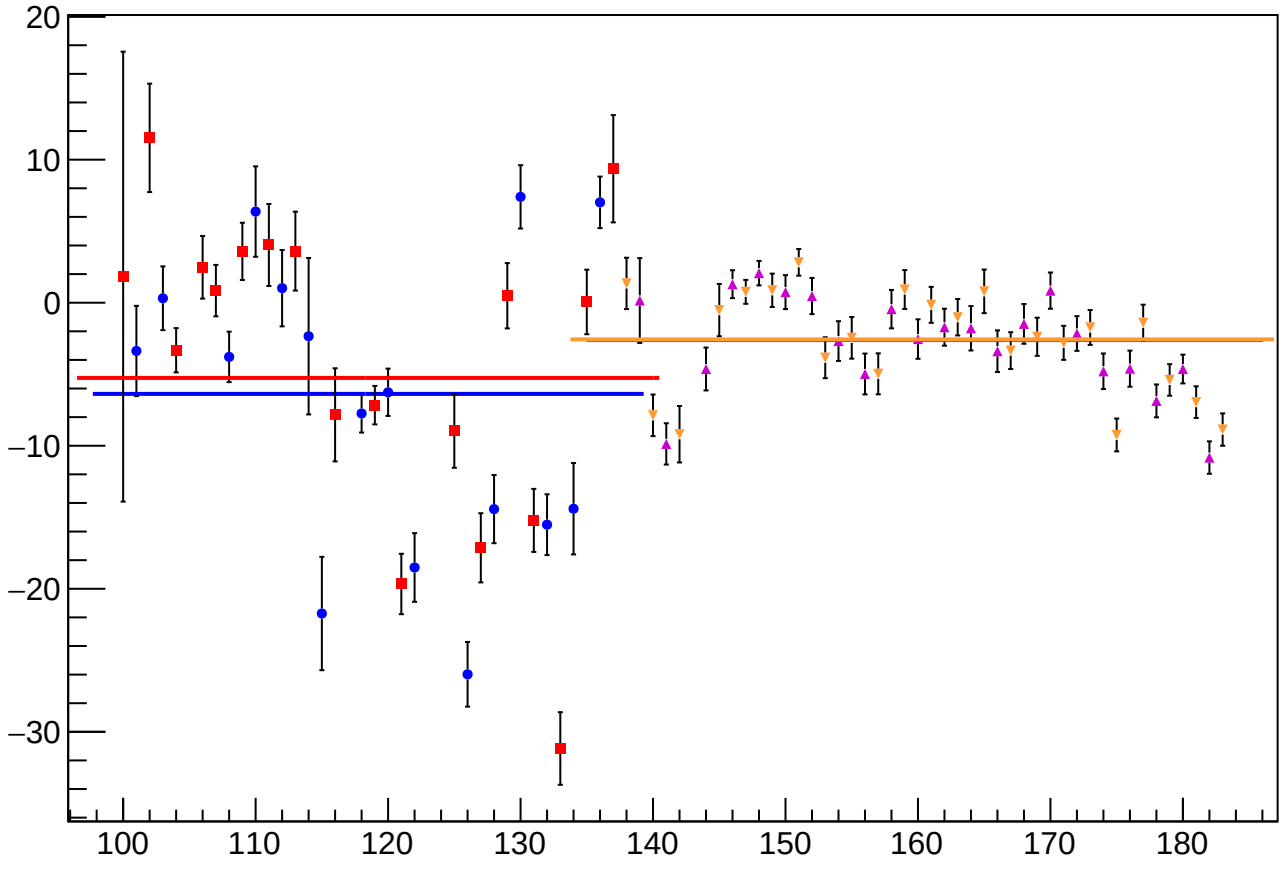
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 16.004+/-0.345 χ^2/NDF:3219.3/21

+ sign 1.421+/-0.288 χ^2/NDF: 12833.2/38

All: 1.434+/-0.203 χ^2/NDF: 25038.9/78

- sign 1.446+/-0.286 χ^2/NDF: 12205.7/39



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -2.564+/-0.261 χ^2/NDF:197.7/22

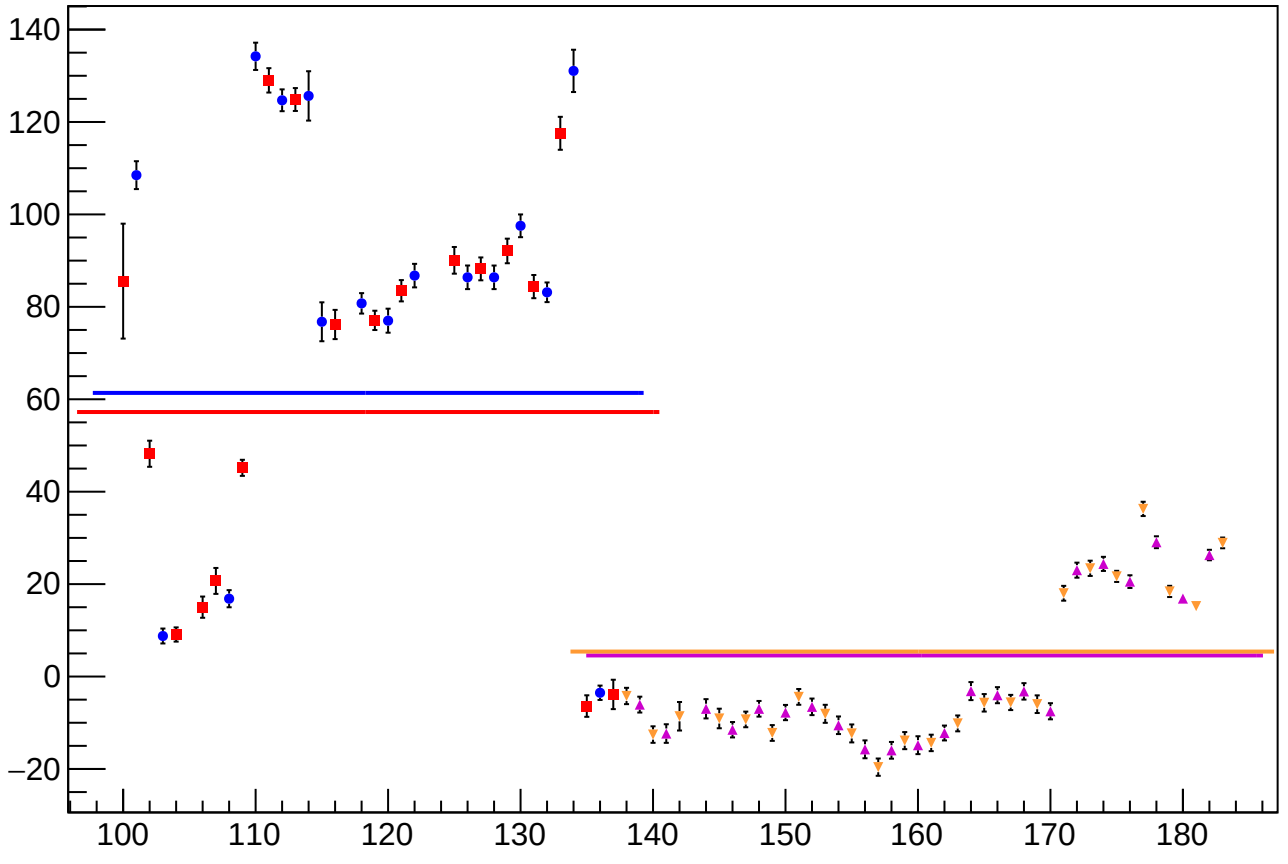
Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -2.610+/-0.267 χ^2/NDF:178.4/21

+ sign -3.257+/-0.236 χ^2/NDF: 520.1/38

All: -3.201+/-0.168 χ^2/NDF: 1031.2/78

- sign -3.143+/-0.239 χ^2/NDF: 511.0/39



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: 5.405+/-0.336 χ^2/NDF:2524.9/22

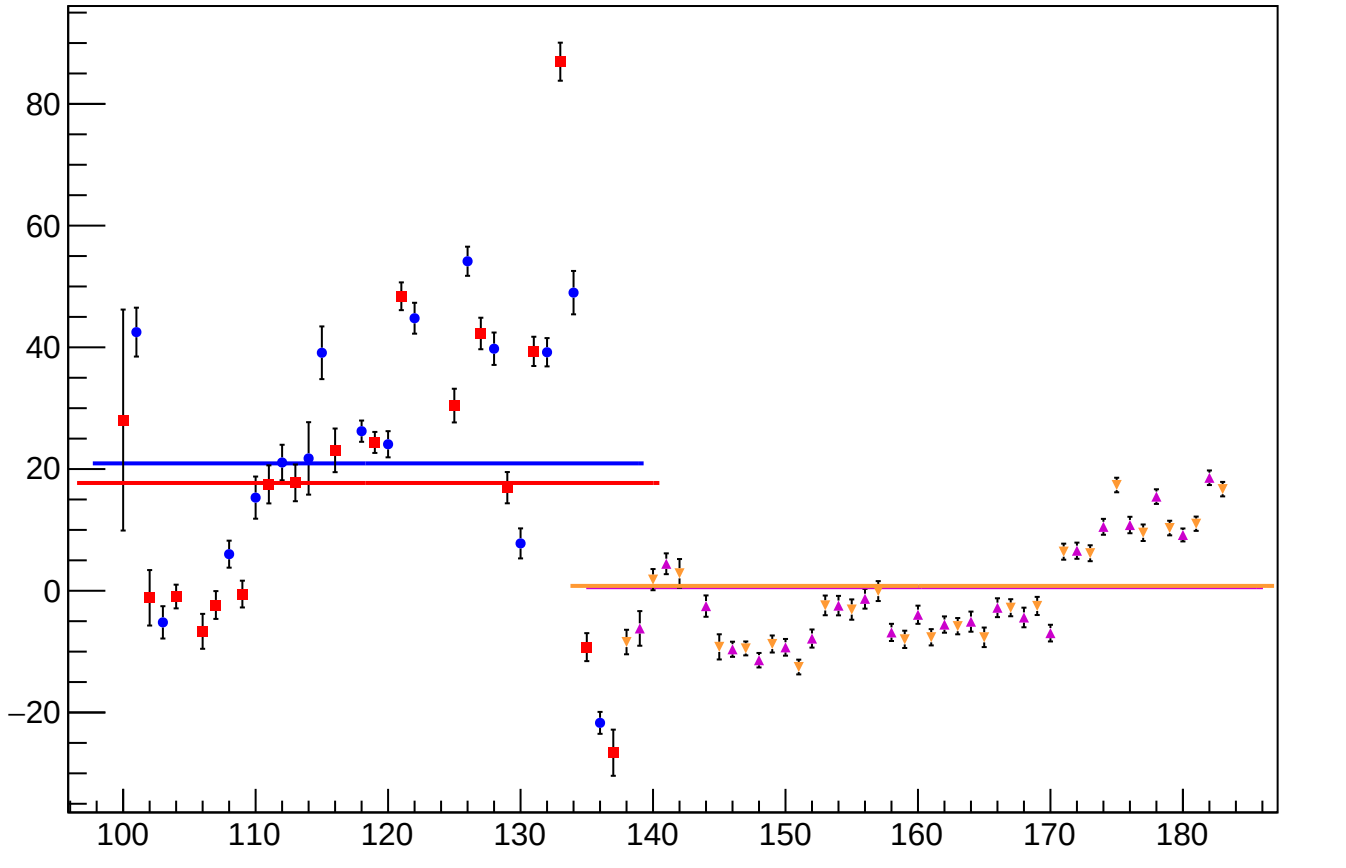
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 4.565+/-0.341 χ^2/NDF:2294.2/21

\+ sign 18.945+/-0.292 χ^2/NDF: 15315.7/38

All: 18.526+/-0.207 χ^2/NDF: 29006.2/78

\- sign 18.100+/-0.294 χ^2/NDF: 13686.3/39



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: 0.799+/-0.294 χ^2/NDF:1030.2/22

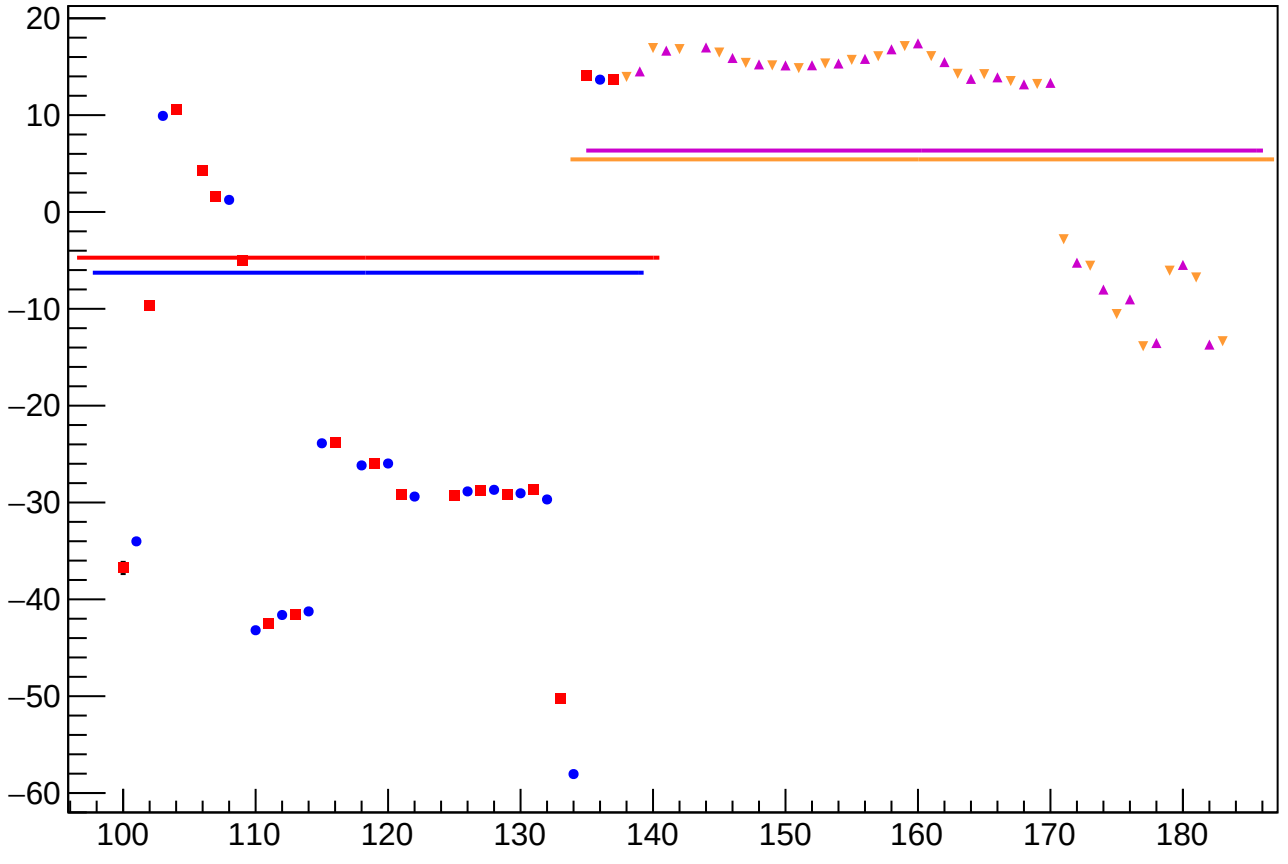
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: 0.587+/-0.301 χ^2/NDF:963.1/21

\+ sign 4.312+/-0.267 χ^2/NDF: 3092.1/38

All: 4.089+/-0.190 χ^2/NDF: 6159.2/78

\- sign 3.861+/-0.270 χ^2/NDF: 3065.7/39



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 5.431+/-0.013 χ^2/NDF:816845.7/22

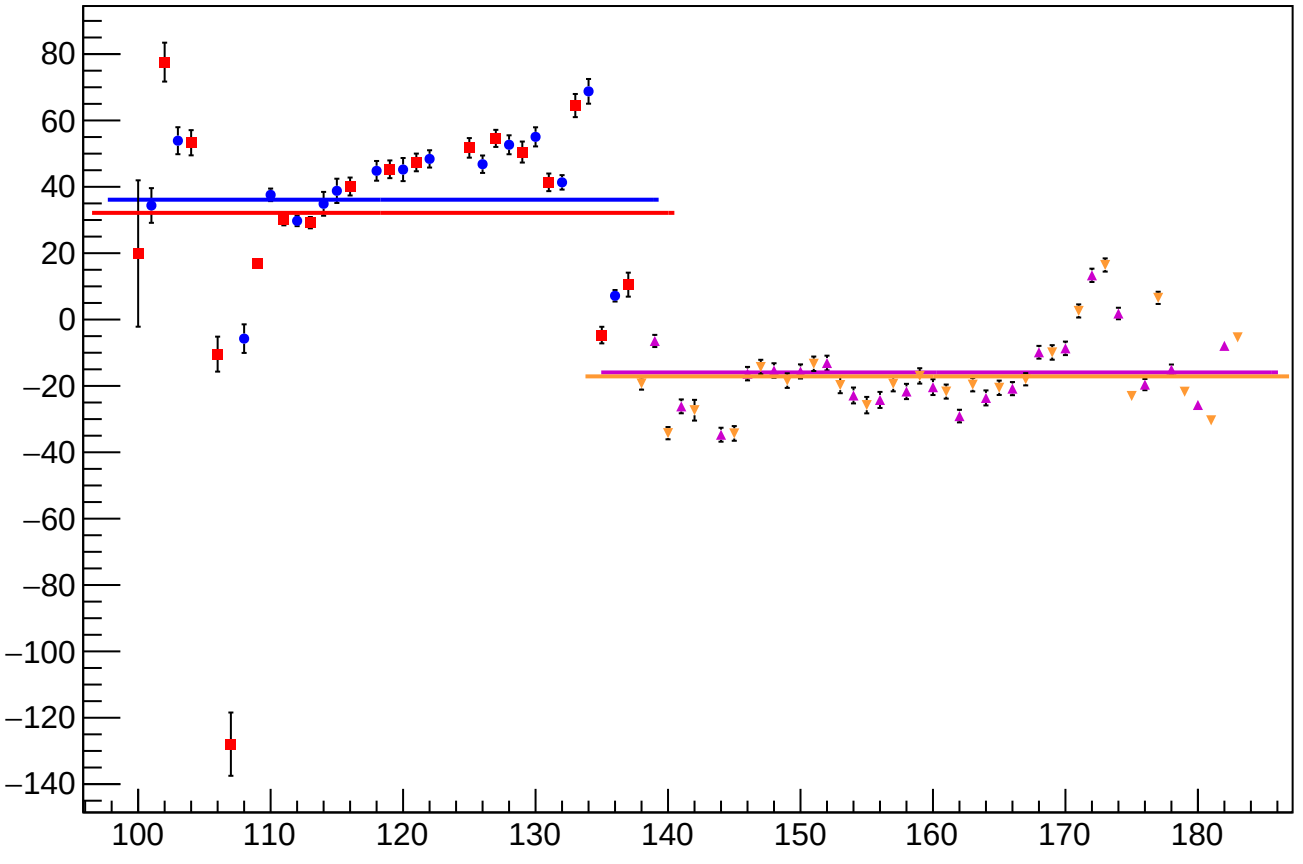
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 6.342+/-0.013 χ^2/NDF:795310.9/21

+ sign 3.849+/-0.012 χ^2/NDF: 1333362.2/38

All: 4.346+/-0.009 χ^2/NDF: 2531921.4/78

- sign 4.851+/-0.012 χ^2/NDF: 1195260.9/39



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -17.127+/-0.401 χ^2/NDF:949.6/22

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

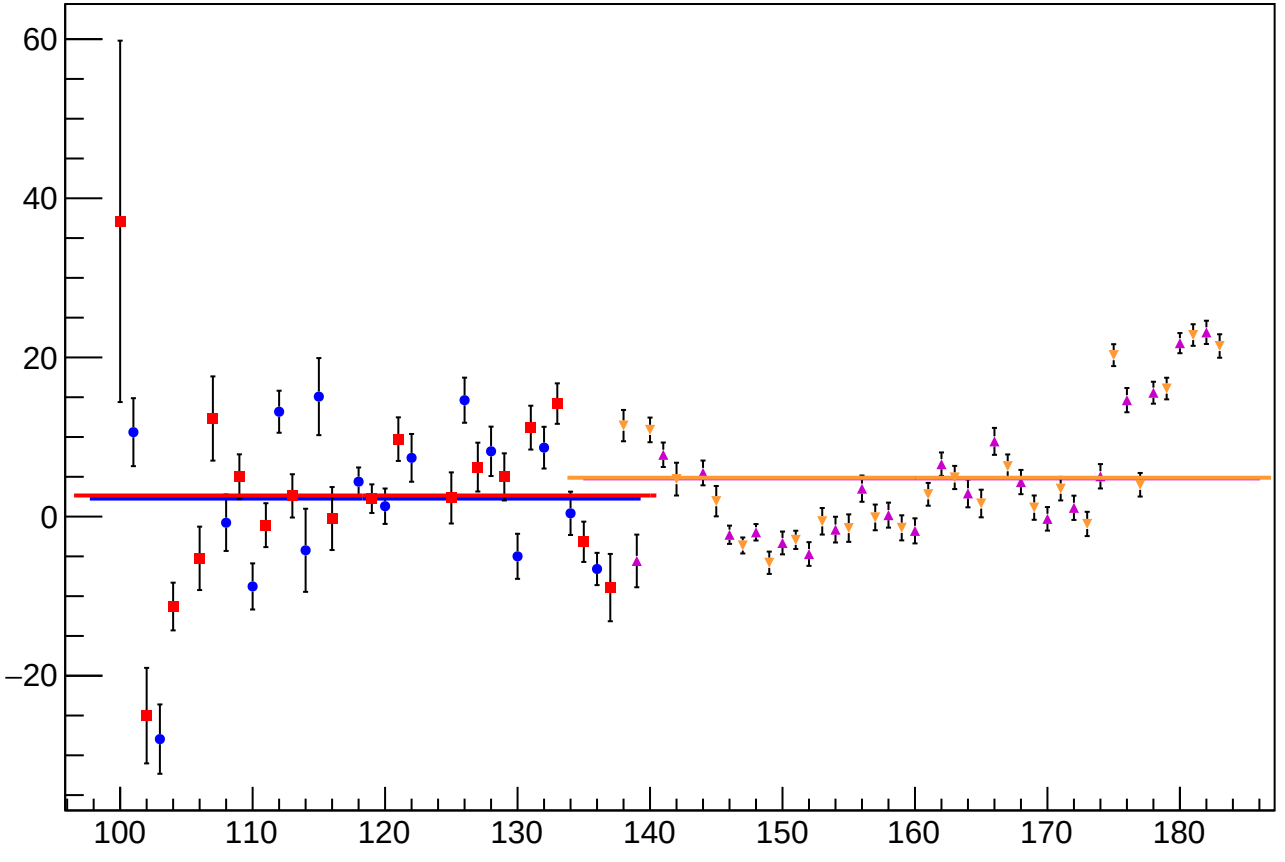
Left In: -15.940+/-0.408 χ^2/NDF:659.6/21

\+ sign -2.663+/-0.342 χ^2/NDF: 6364.5/38

All: -2.200+/-0.242 χ^2/NDF: 12240.2/78

\- sign -1.737+/-0.343 χ^2/NDF: 5872.0/39

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 4.885+/-0.308 χ^2/NDF:776.7/22

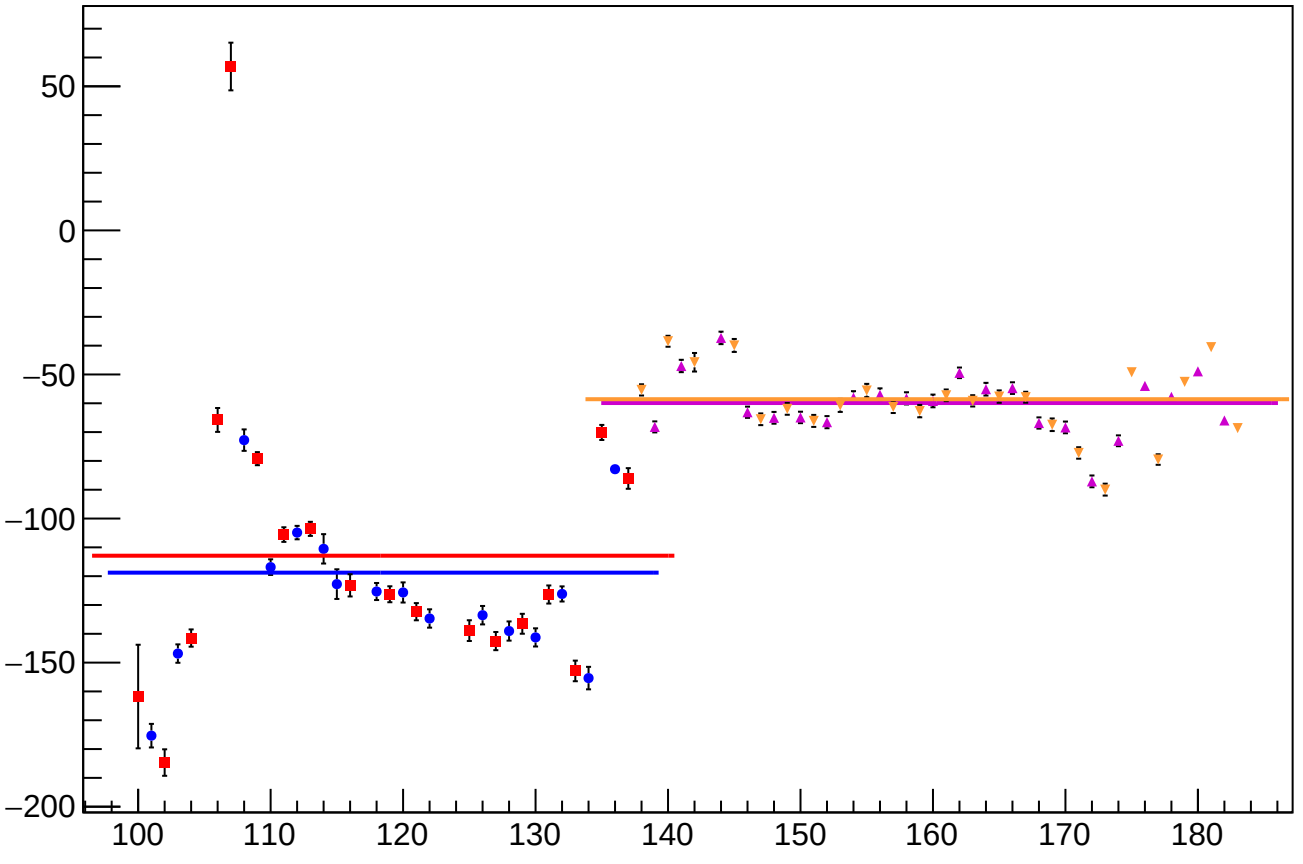
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 4.807+/-0.316 χ^2/NDF:678.3/21

\+ sign 4.460+/-0.282 χ^2/NDF: 940.4/38

All: 4.458+/-0.202 χ^2/NDF: 1733.6/78

\- sign 4.456+/-0.289 χ^2/NDF: 793.1/39



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -58.586+/-0.398 χ^2/NDF:1000.2/22

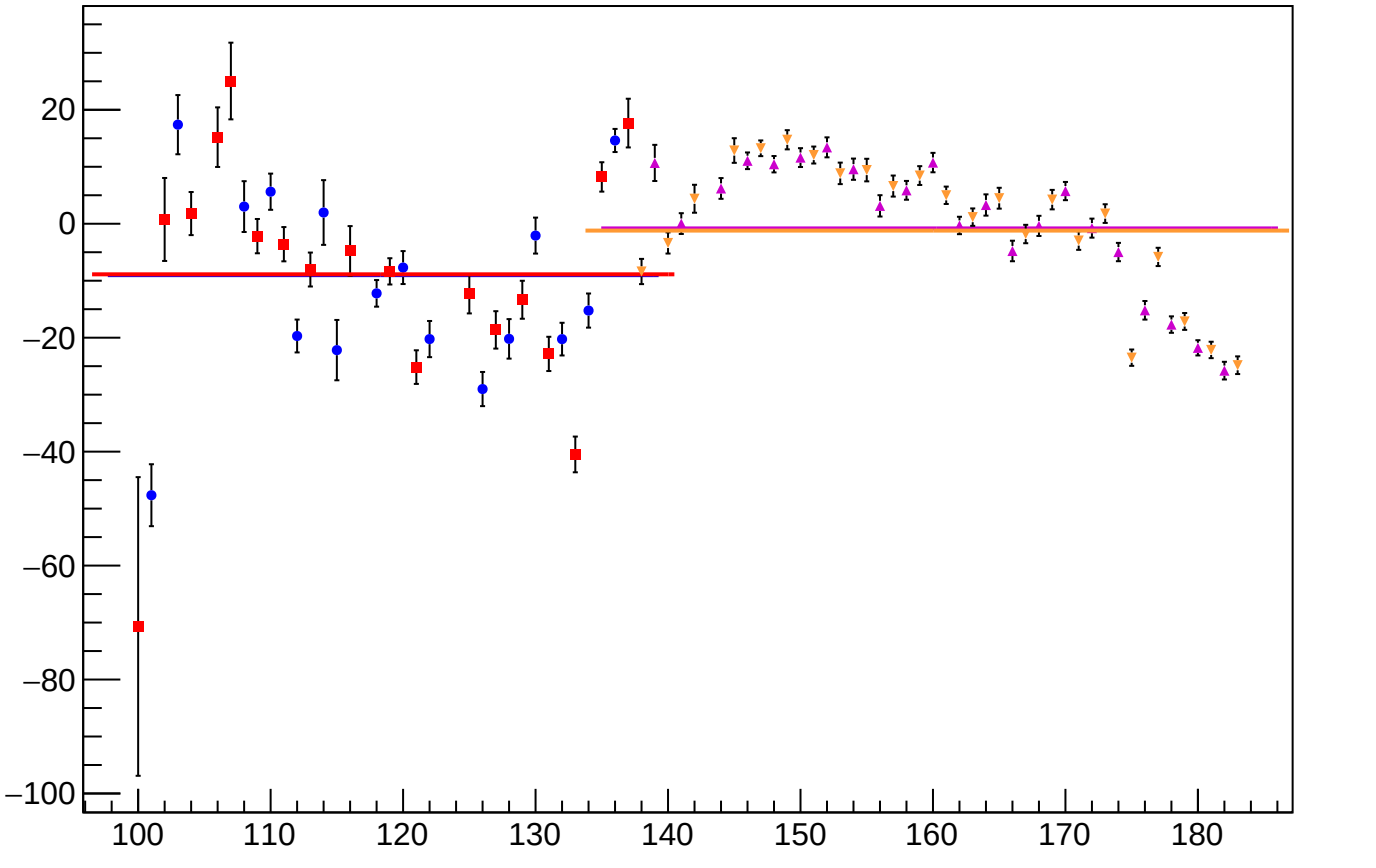
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.910+/-0.404 χ^2/NDF:593.6/21

+ sign -71.607+/-0.352 χ^2/NDF: 7076.7/38

All: -71.587+/-0.251 χ^2/NDF: 13315.5/78

- sign -71.566+/-0.357 χ^2/NDF: 6238.8/39



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: -1.201+/-0.348 χ^2/NDF:1301.0/22

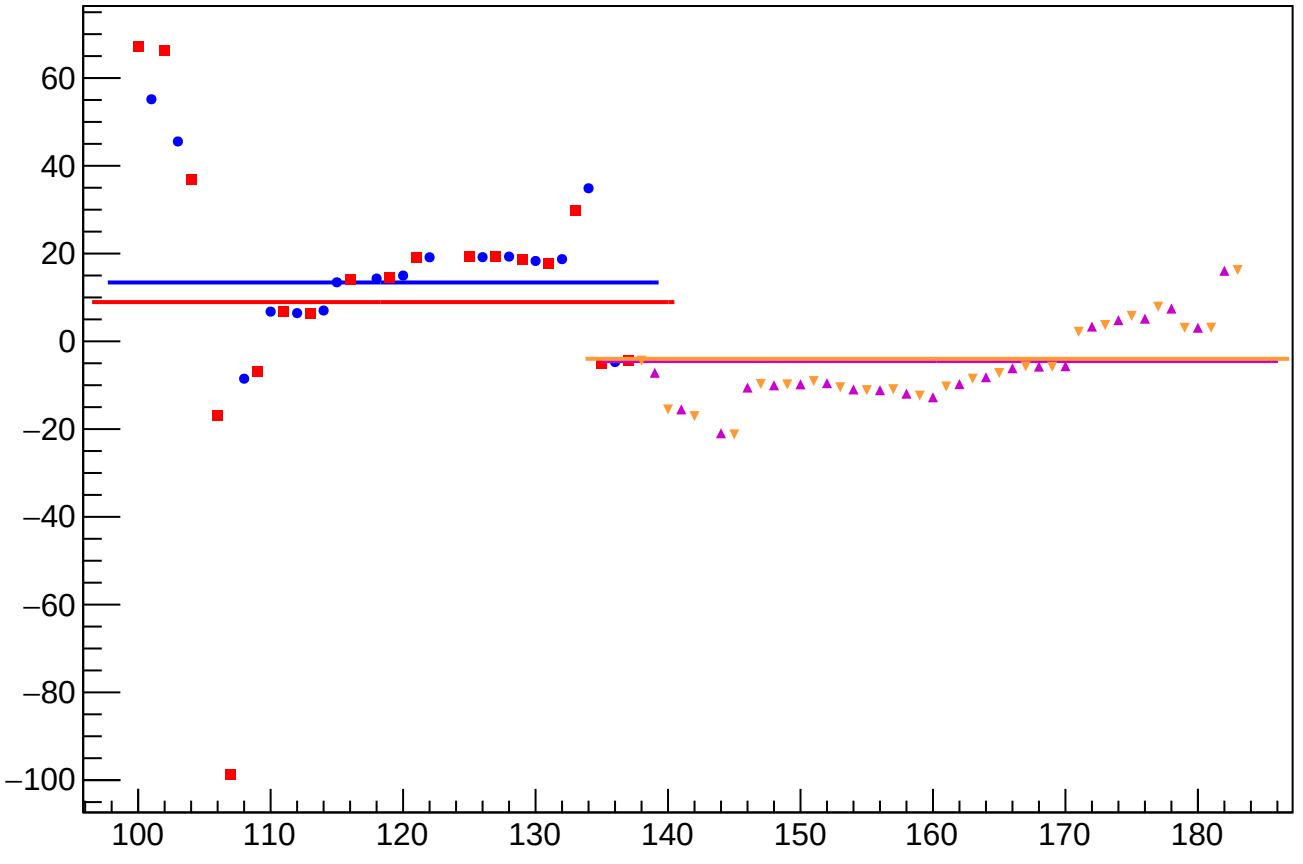
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: -0.820+/-0.355 χ^2/NDF:1127.4/21

+ sign -2.456+/-0.319 χ^2/NDF: 1740.1/38

All: -2.290+/-0.228 χ^2/NDF: 3269.7/78

- sign -2.118+/-0.325 χ^2/NDF: 1529.1/39



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -3.983+/-0.016 χ^2/NDF:318551.2/22

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

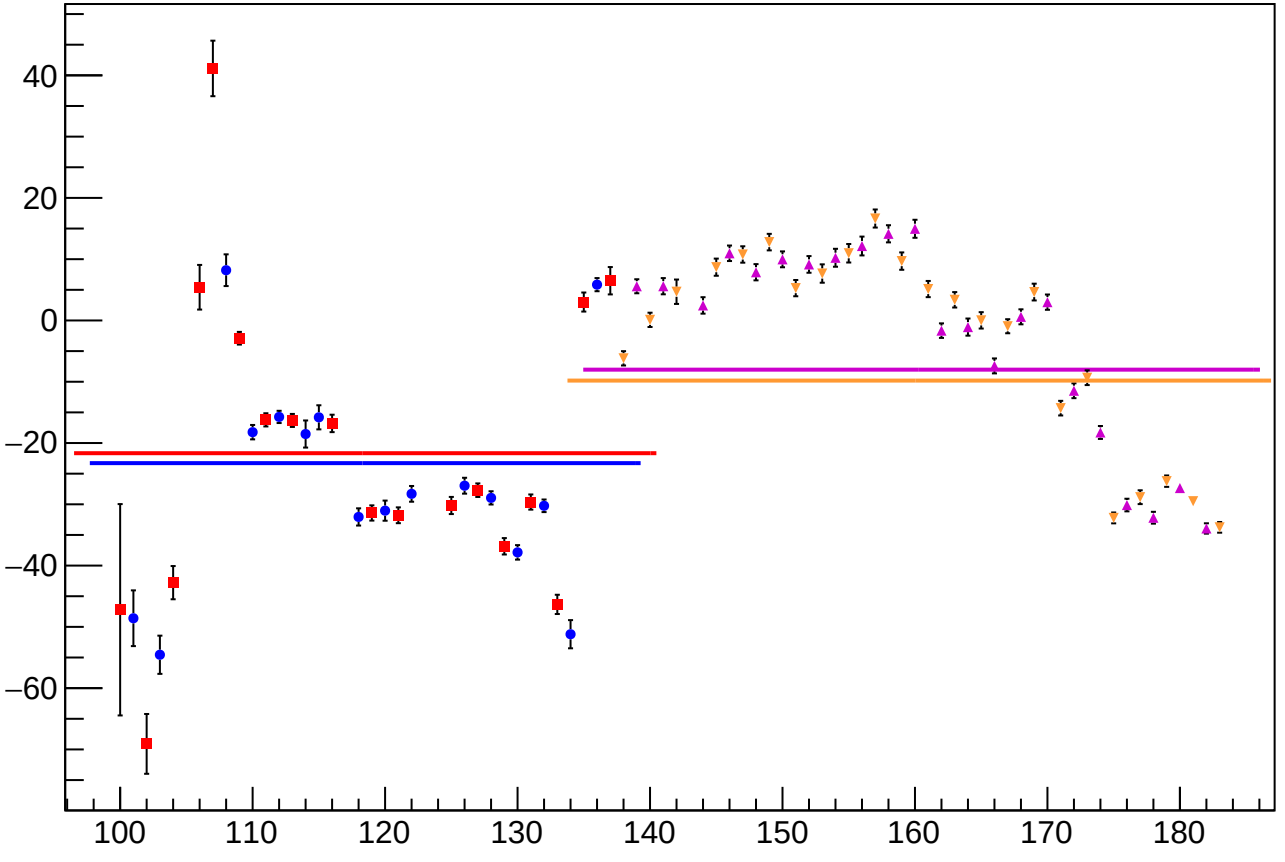
Left In: -4.495+/-0.016 χ^2/NDF:298494.2/21

+ sign -2.139+/-0.015 χ^2/NDF: 634182.5/38

All: -2.649+/-0.010 χ^2/NDF: 1298666.3/78

- sign -3.169+/-0.015 χ^2/NDF: 662065.9/39

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -9.809+/-0.246 χ^2/NDF:4935.5/22

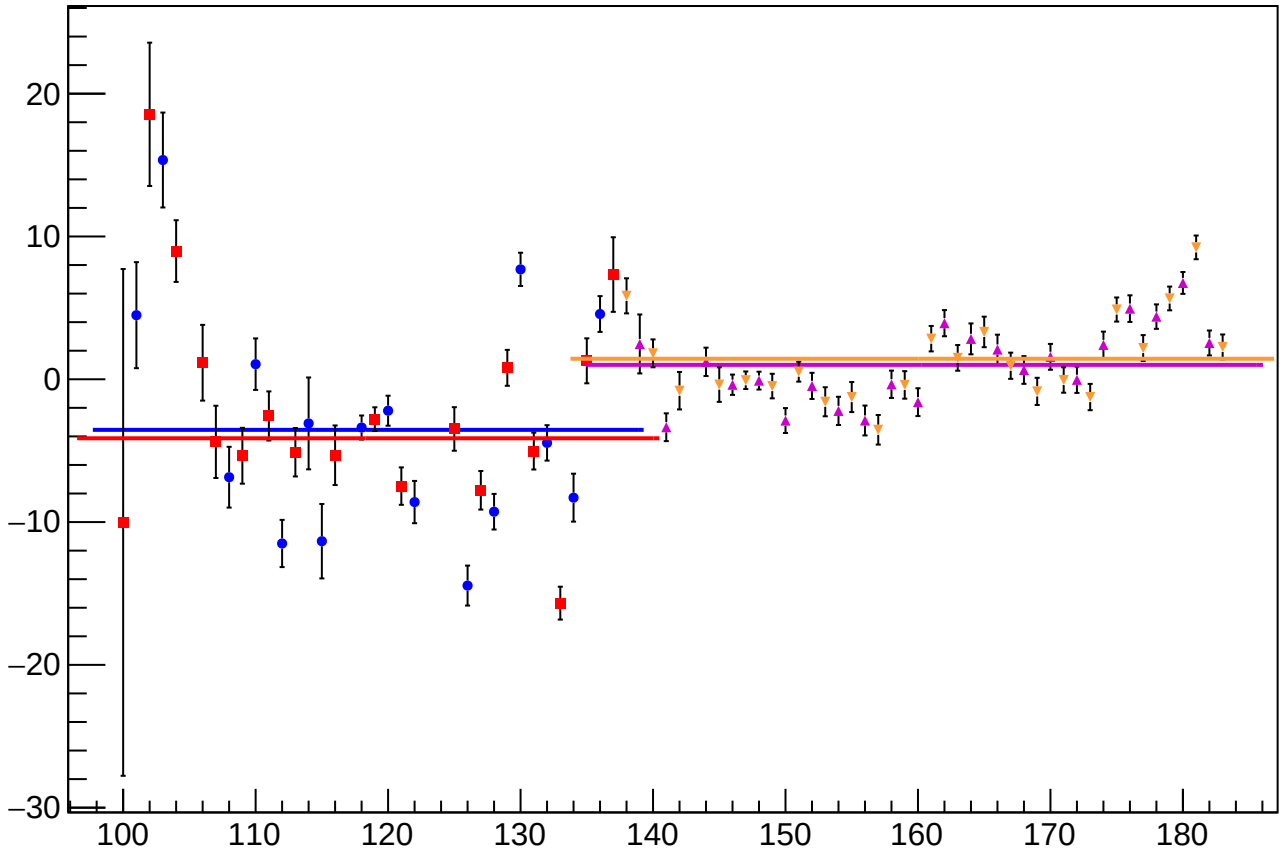
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -8.027+/-0.251 χ^2/NDF:4758.0/21

+ sign -14.265+/-0.202 χ^2/NDF: 7492.6/38

All: -13.492+/-0.143 χ^2/NDF: 15106.0/78

- sign -12.704+/-0.203 χ^2/NDF: 7583.7/39



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 1.438+/-0.190 χ^2/NDF:228.0/22

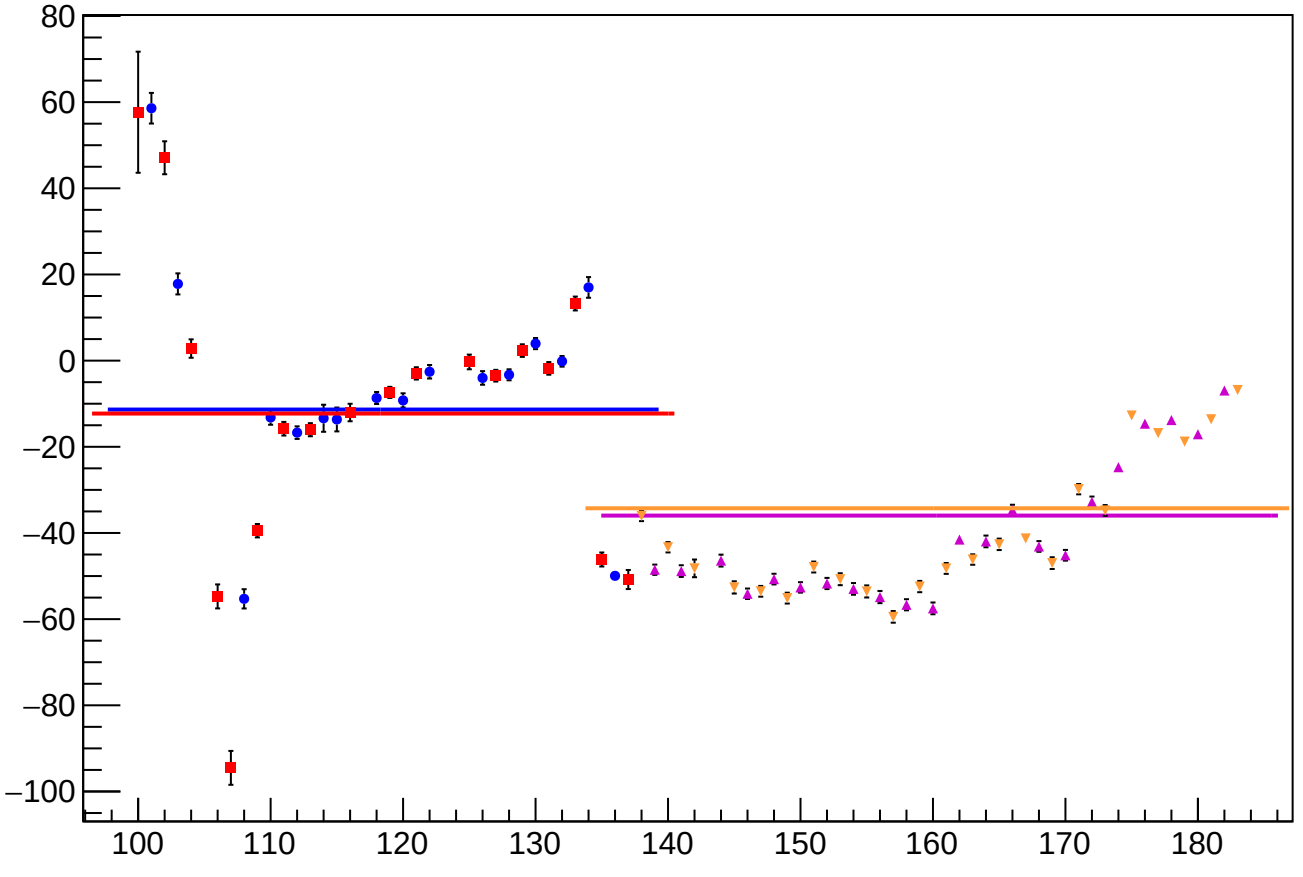
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 1.010+/-0.194 χ^2/NDF:194.7/21

+ sign 0.369+/-0.168 χ^2/NDF: 692.8/38

All: 0.142+/-0.120 χ^2/NDF: 1269.7/78

- sign -0.096+/-0.172 χ^2/NDF: 573.2/39



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -34.268+/-0.244 χ^2/NDF:4905.3/22

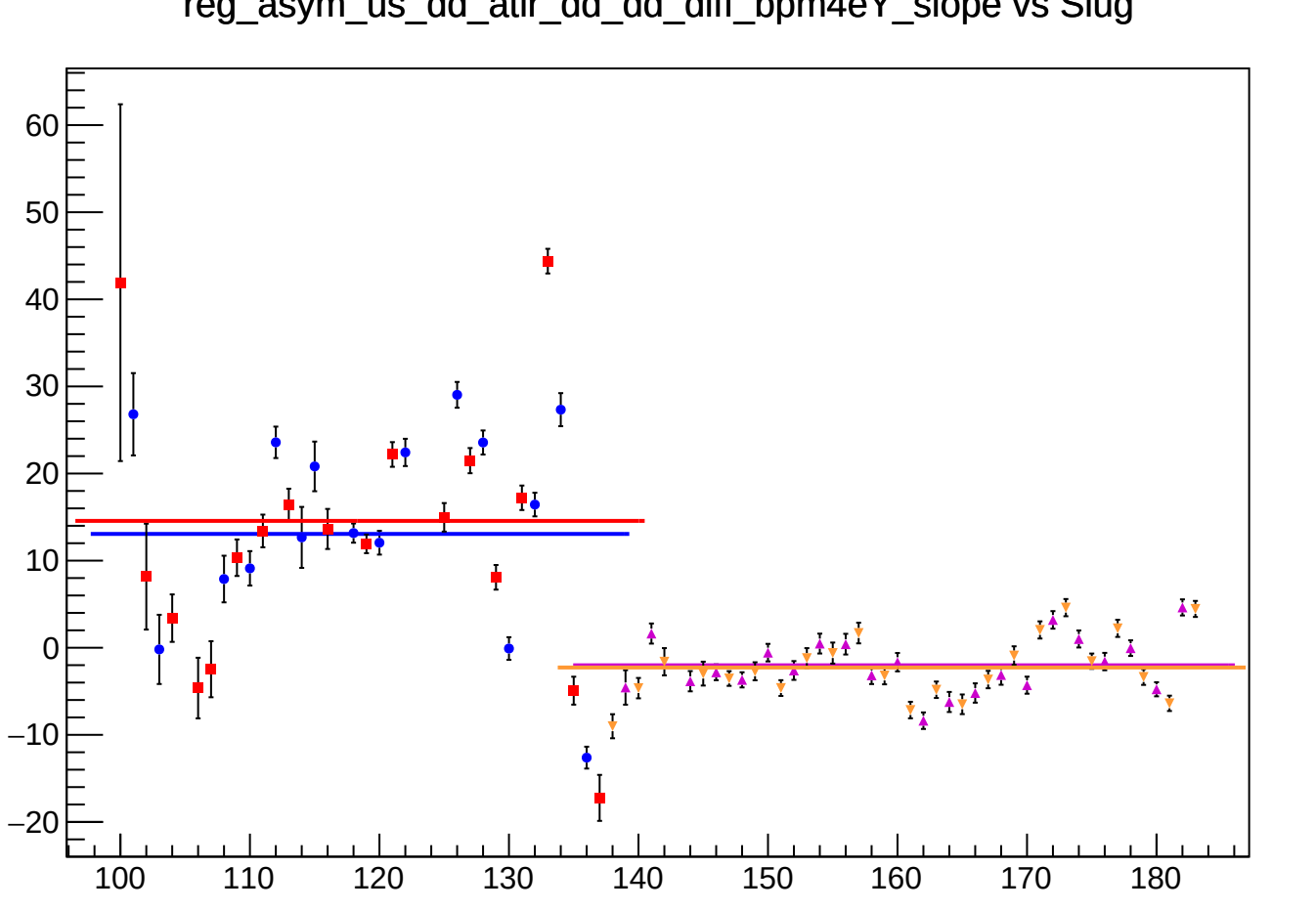
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -35.964+/-0.248 χ^2/NDF:4690.3/21

+ sign -28.168+/-0.209 χ^2/NDF: 9907.7/38

All: -28.908+/-0.149 χ^2/NDF: 19627.1/78

- sign -29.674+/-0.213 χ^2/NDF: 9693.9/39



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.268+/-0.214 χ^2/NDF:269.5/22

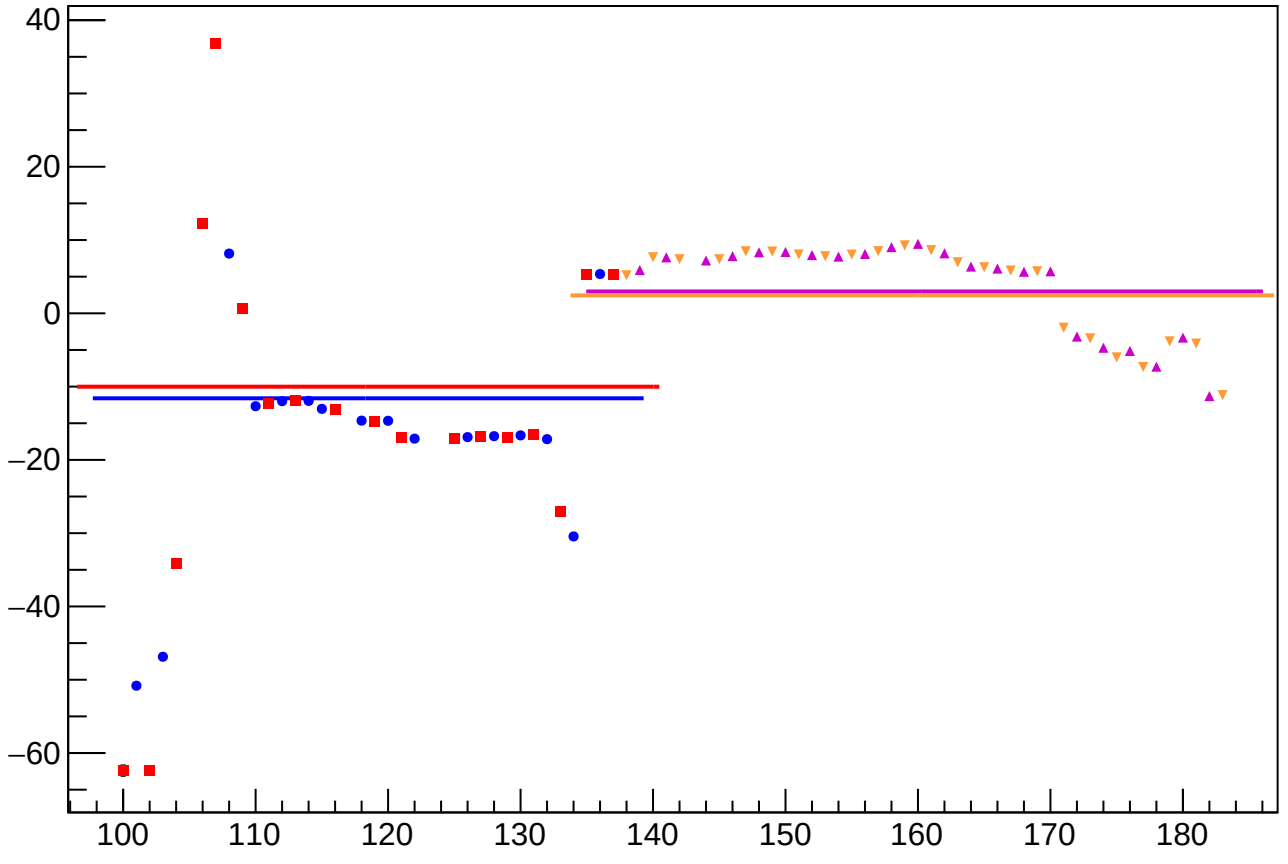
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.016+/-0.218 χ^2/NDF:208.7/21

+ sign 0.952+/-0.190 χ^2/NDF: 2213.0/38

All: 1.209+/-0.136 χ^2/NDF: 4543.9/78

- sign 1.477+/-0.194 χ^2/NDF: 2327.2/39



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 2.445+/-0.010 χ^2/NDF:474617.5/22

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

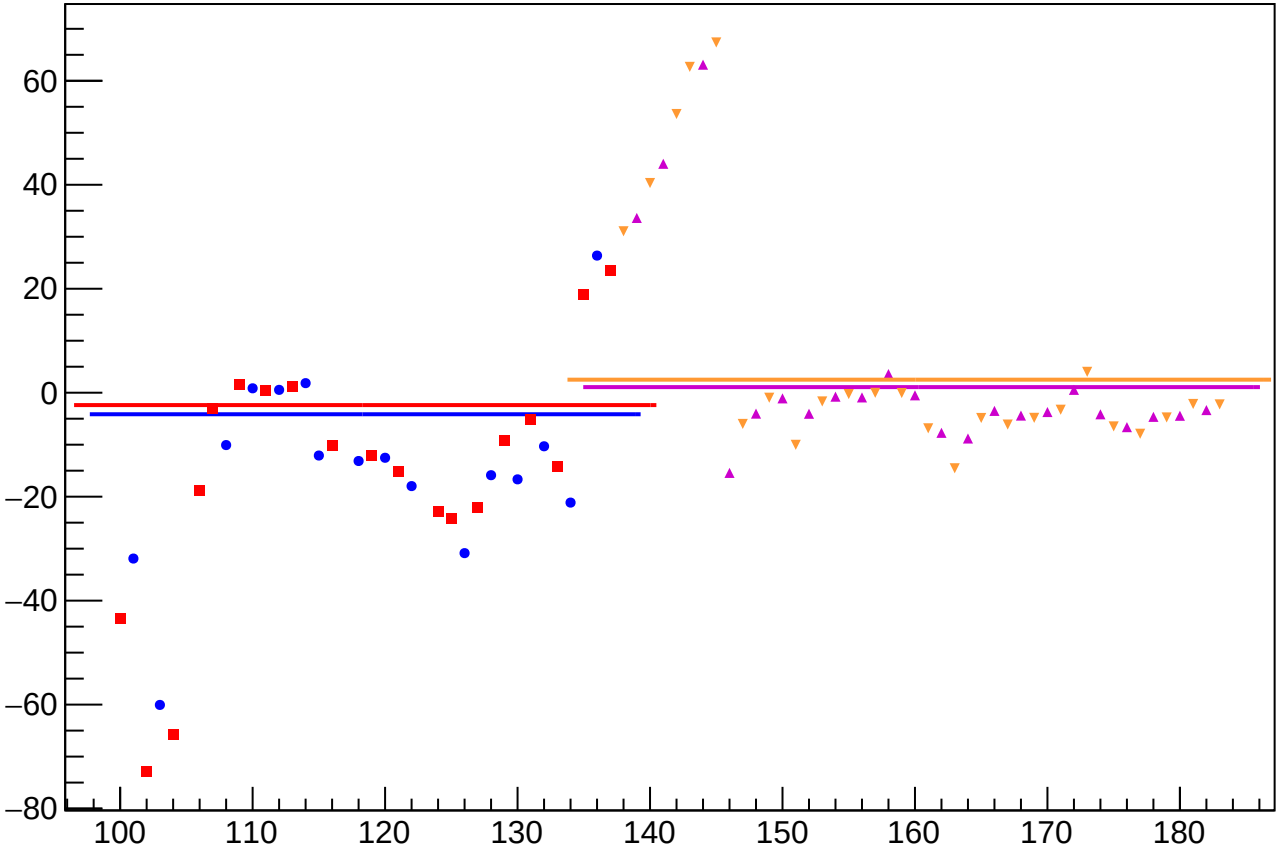
Left In: 2.984+/-0.010 χ^2/NDF:454999.1/21

+ sign 0.798+/-0.009 χ^2/NDF: 1086539.7/38

All: 1.172+/-0.006 χ^2/NDF: 2140823.5/78

- sign 1.553+/-0.009 χ^2/NDF: 1050811.5/39

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 2.508+/-0.041 χ^2/NDF:176294.7/23

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

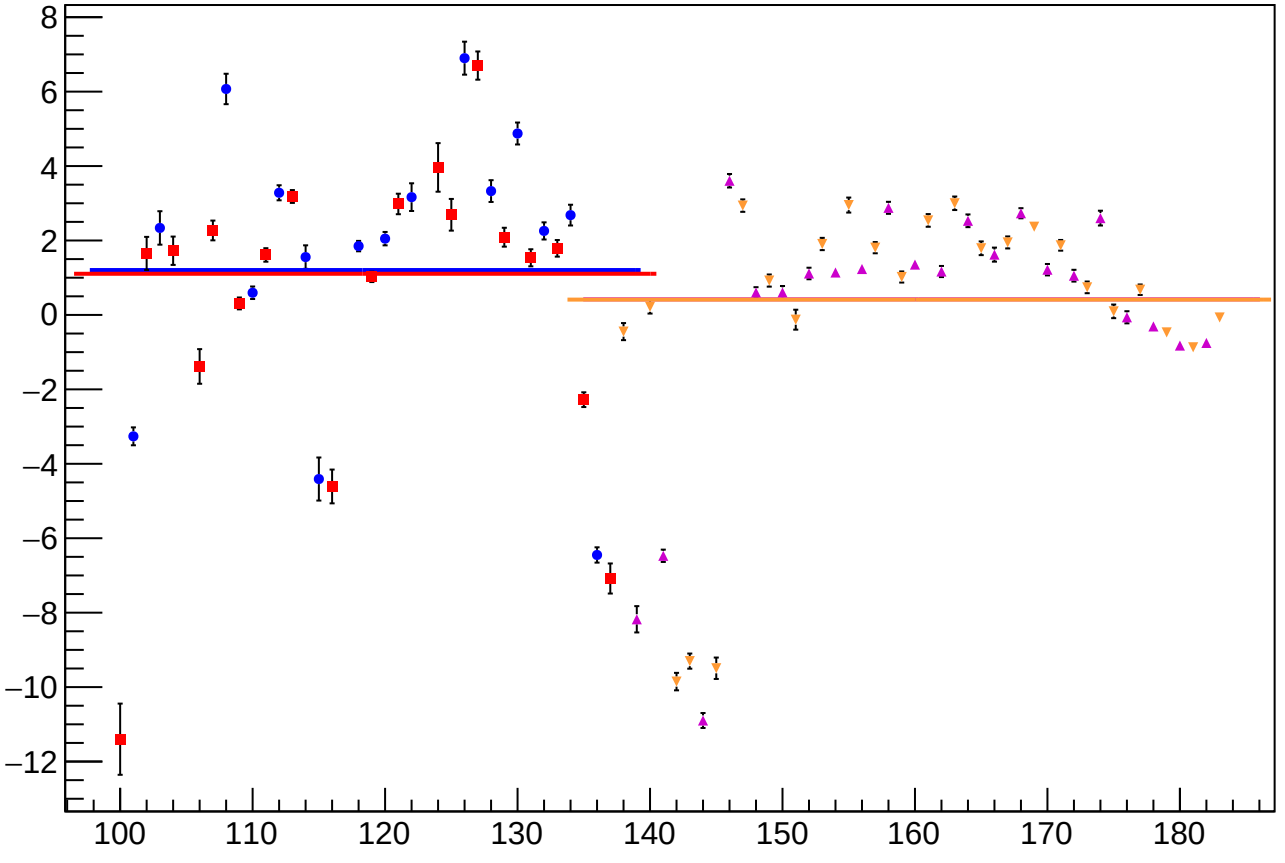
Left In: 1.075+/-0.041 χ^2/NDF:132272.3/21

+ sign 0.131+/-0.033 χ^2/NDF: 261072.4/39

All: -0.171+/-0.022 χ^2/NDF: 477416.3/80

- sign -0.435+/-0.030 χ^2/NDF: 216183.4/40

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.412+/-0.033 χ^2/NDF:6995.3/23

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

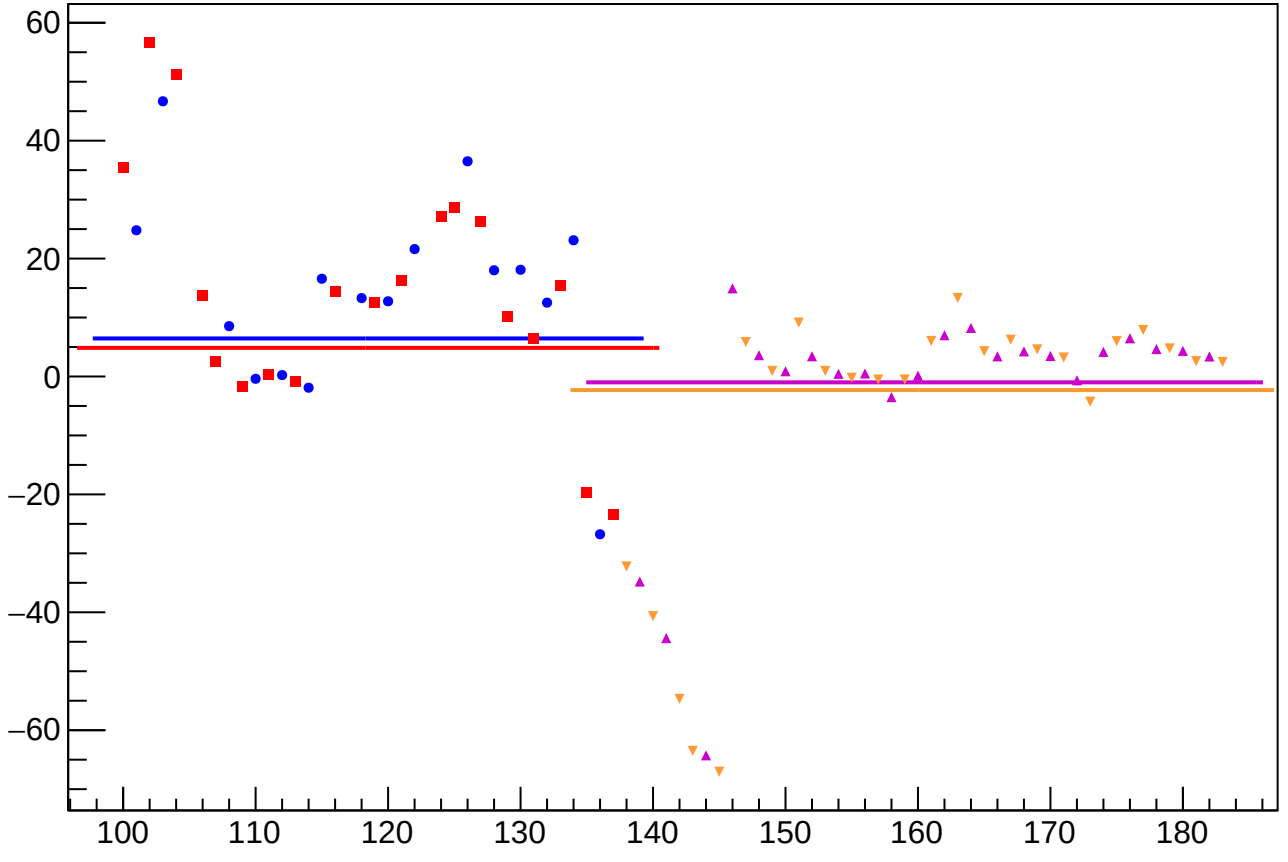
Left In: 0.419+/-0.032 χ^2/NDF:7099.1/21

+ sign 0.596+/-0.029 χ^2/NDF: 9712.5/39

All: 0.588+/-0.020 χ^2/NDF: 18509.1/80

- sign 0.581+/-0.028 χ^2/NDF: 8796.5/40

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -2.304+/-0.041 χ^2/NDF:170576.8/23

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

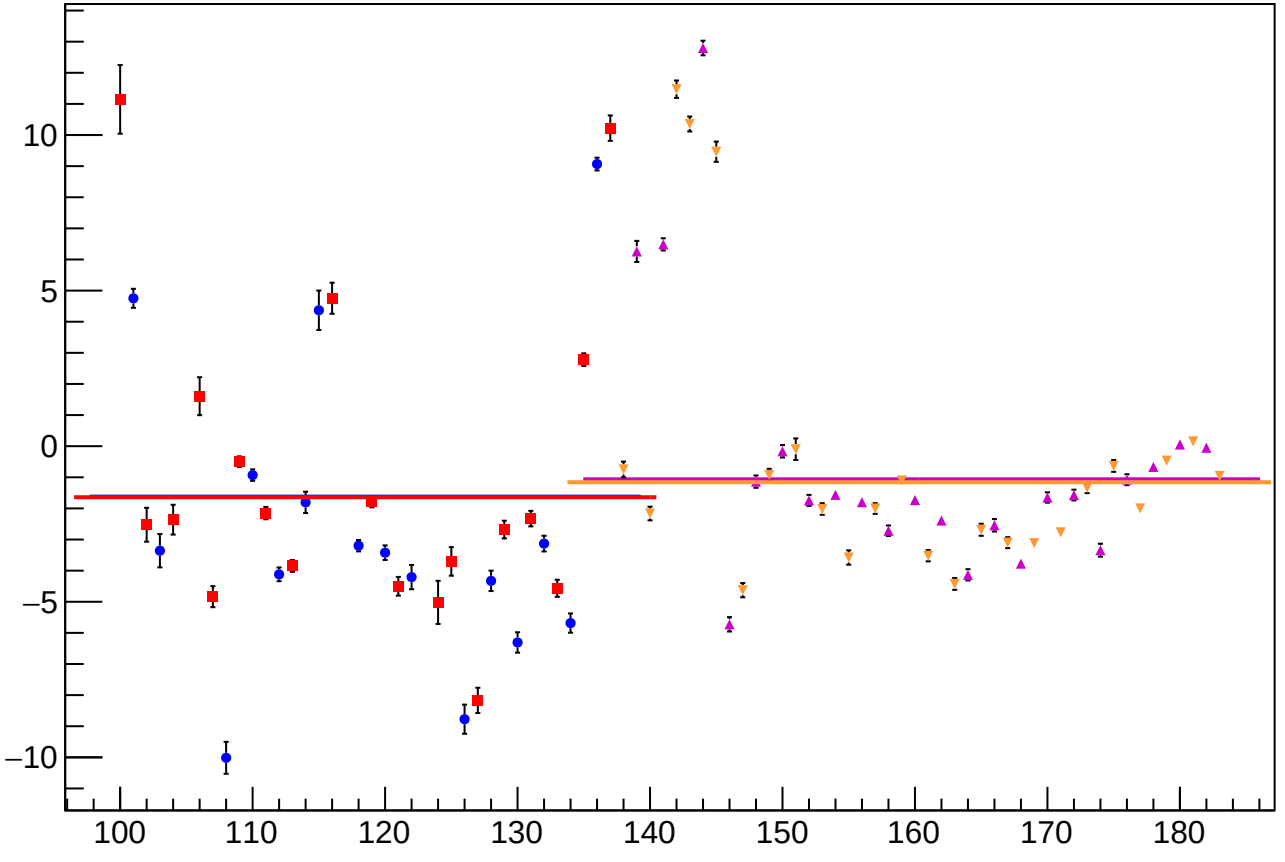
Left In: -0.994+/-0.040 χ^2/NDF:128940.8/21

+ sign 0.152+/-0.035 χ^2/NDF: 254221.4/39

All: 0.510+/-0.024 χ^2/NDF: 465344.0/80

- sign 0.839+/-0.033 χ^2/NDF: 210916.7/40

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.158+/-0.037 χ^2/NDF:6929.4/23

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

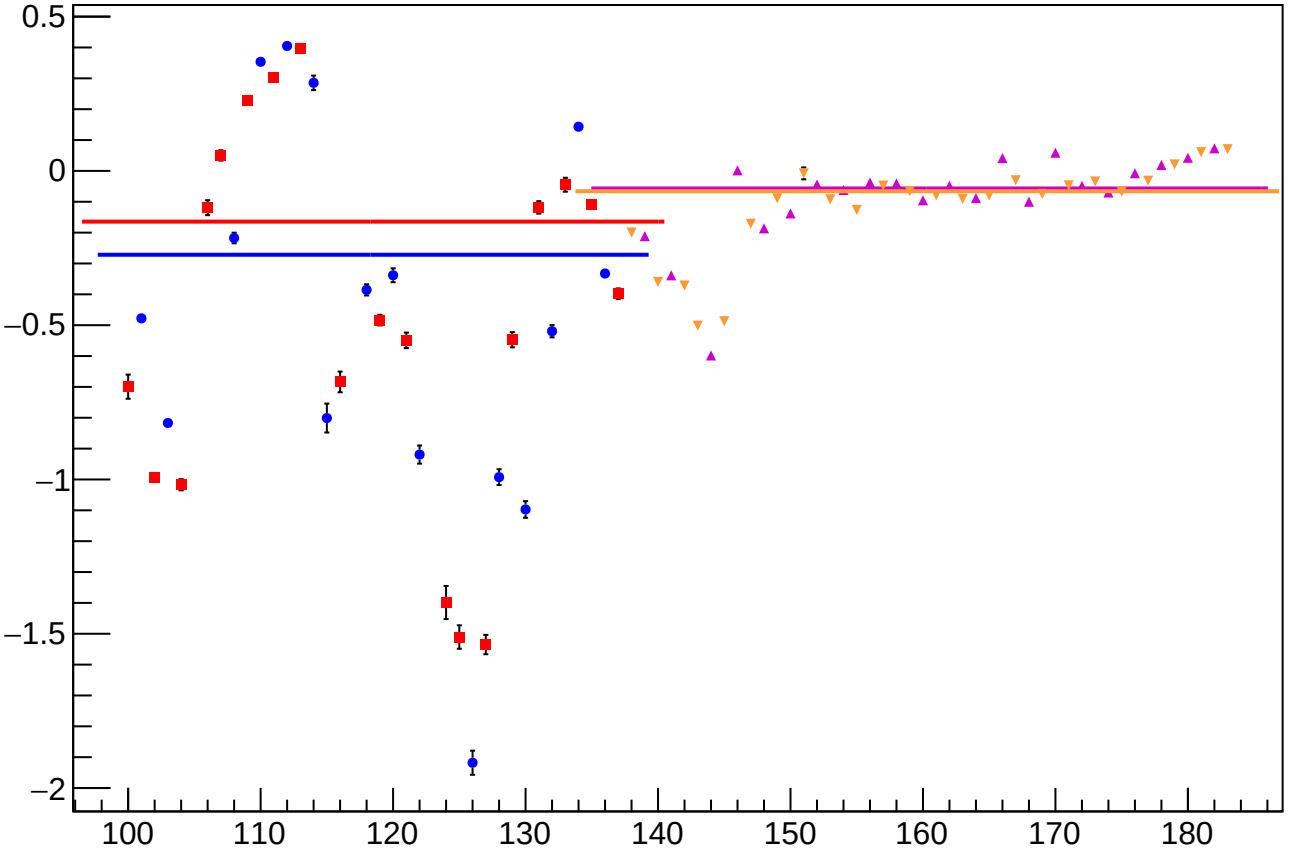
Left In: -1.065+/-0.035 χ^2/NDF:7003.2/21

+ sign -1.259+/-0.032 χ^2/NDF: 11489.5/39

All: -1.226+/-0.022 χ^2/NDF: 21017.8/80

- sign -1.197+/-0.031 χ^2/NDF: 9526.5/40

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.066+/-0.002 χ^2/NDF:5478.8/23

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

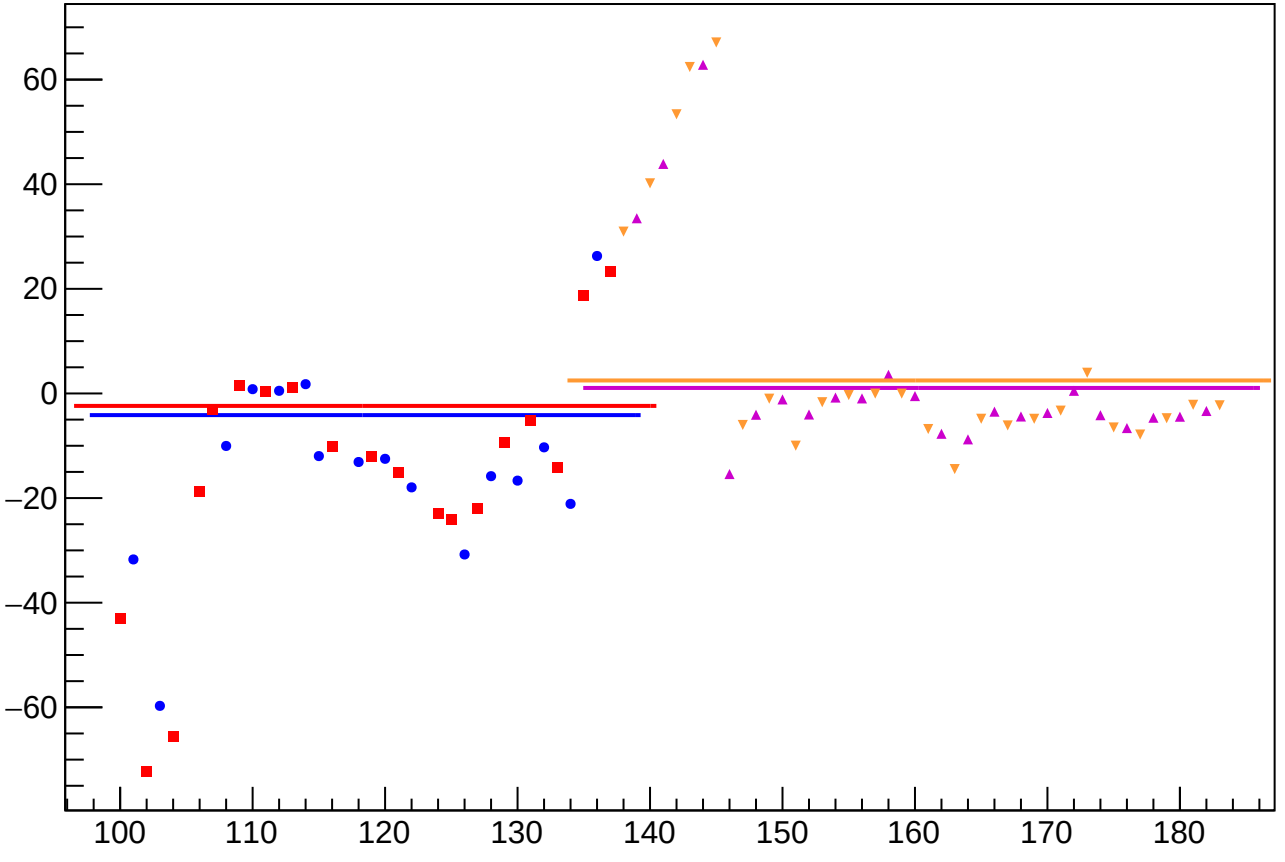
Left In: -0.057+/-0.002 χ^2/NDF:4869.6/21

+ sign -0.093+/-0.002 χ^2/NDF: 19661.2/39

All: -0.082+/-0.001 χ^2/NDF: 40823.6/80

- sign -0.072+/-0.001 χ^2/NDF: 21056.8/40

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 2.484+/-0.041 χ^2/NDF:176052.9/23

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

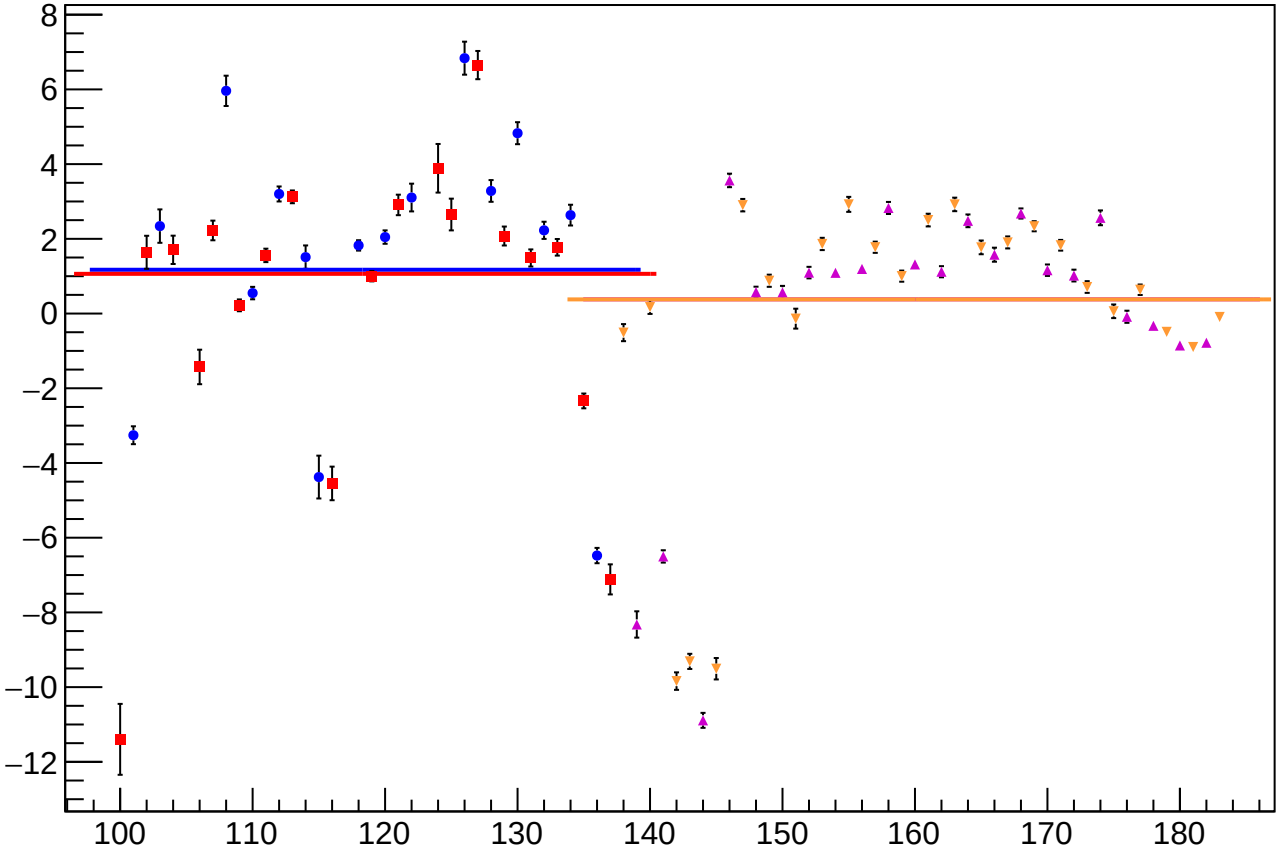
Left In: 1.053+/-0.041 χ^2/NDF:132155.4/21

+ sign 0.110+/-0.033 χ^2/NDF: 260820.0/39

All: -0.191+/-0.022 χ^2/NDF: 476953.1/80

- sign -0.452+/-0.030 χ^2/NDF: 215973.5/40

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.379+/-0.033 χ^2/NDF:6996.4/23

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

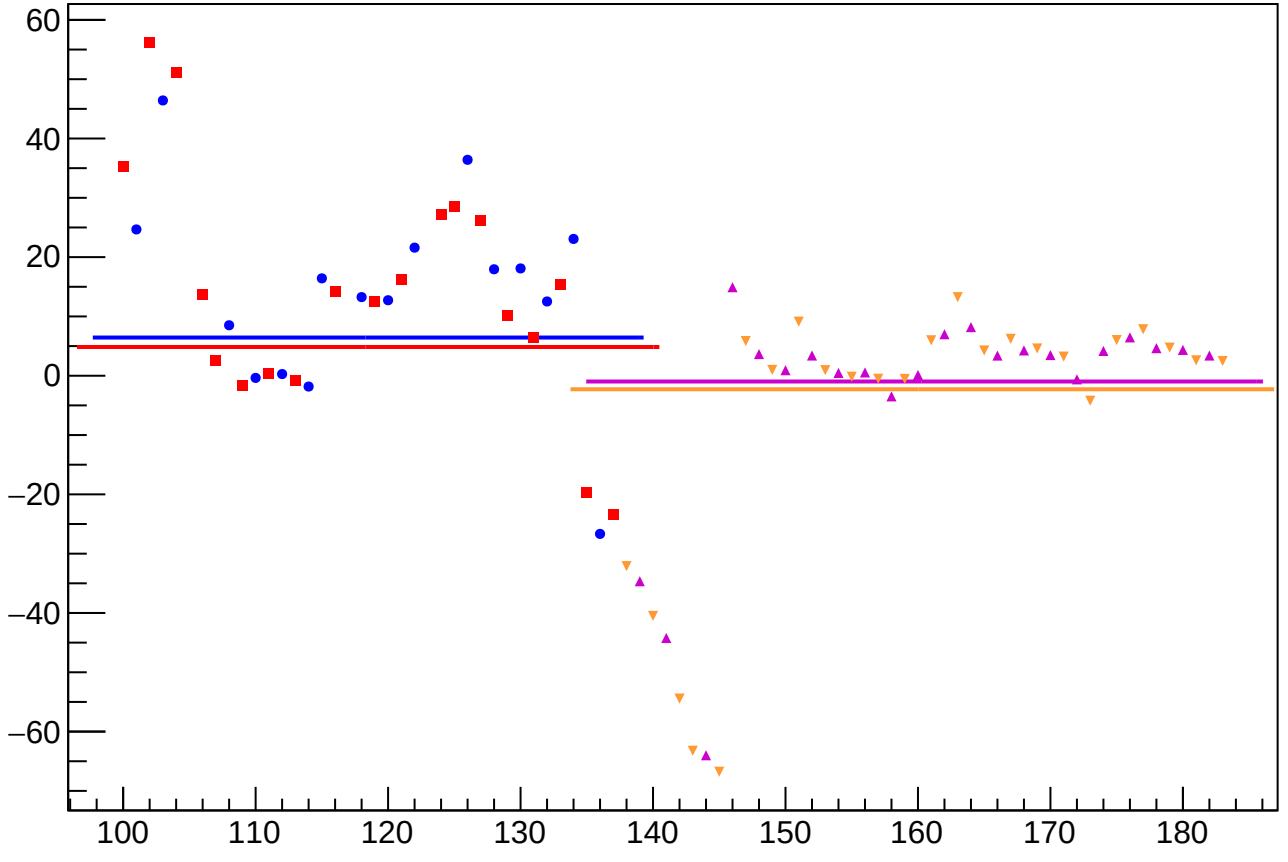
Left In: 0.380+/-0.032 χ^2/NDF:7110.9/21

+ sign 0.563+/-0.029 χ^2/NDF: 9714.6/39

All: 0.552+/-0.020 χ^2/NDF: 18532.0/80

- sign 0.542+/-0.028 χ^2/NDF: 8817.1/40

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -2.280+/-0.041 χ^2/NDF:170343.1/23

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

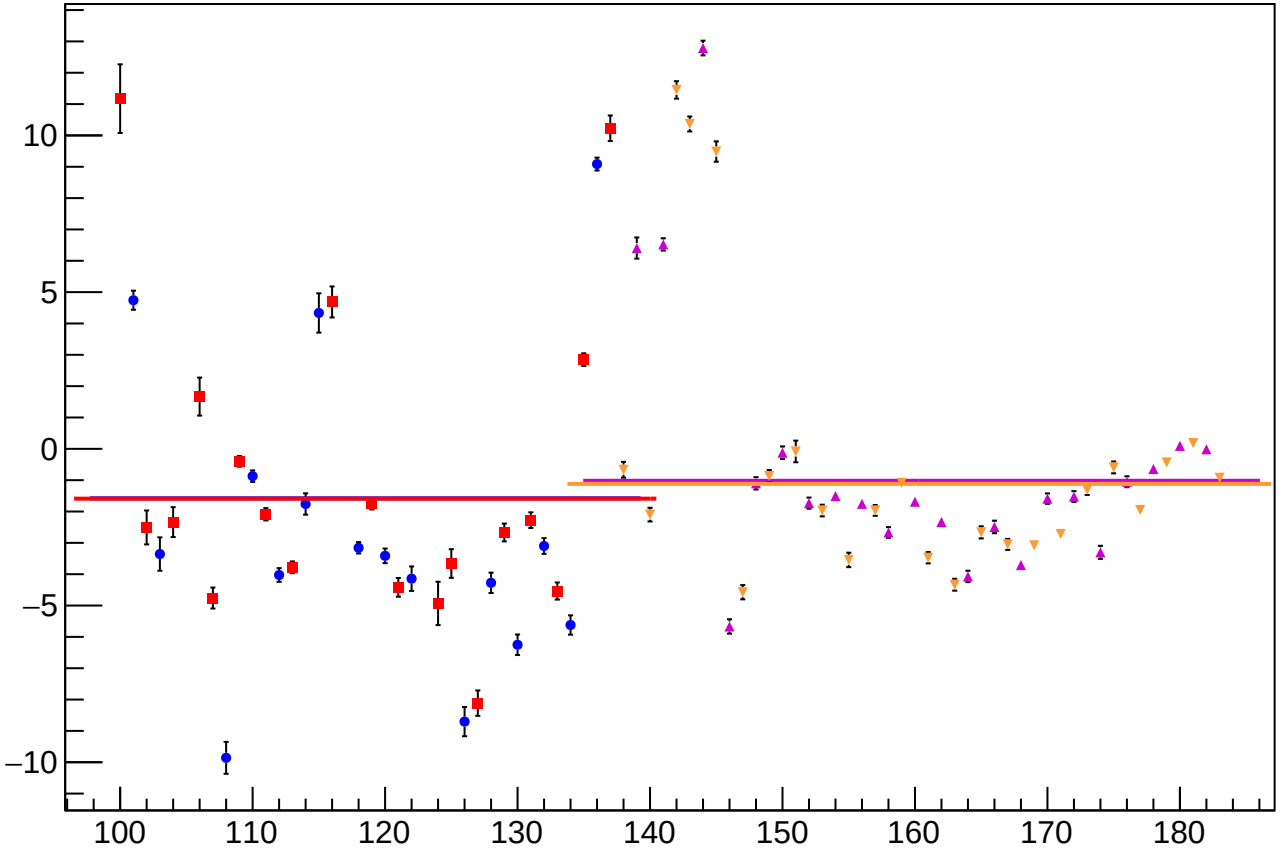
Left In: -0.971+/-0.040 χ^2/NDF:128825.4/21

\+ sign 0.174+/-0.034 χ^2/NDF: 253970.5/39

All: 0.531+/-0.024 χ^2/NDF: 464871.2/80

\- sign 0.860+/-0.033 χ^2/NDF: 210693.8/40

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.118+/-0.037 χ^2/NDF:6925.3/23

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

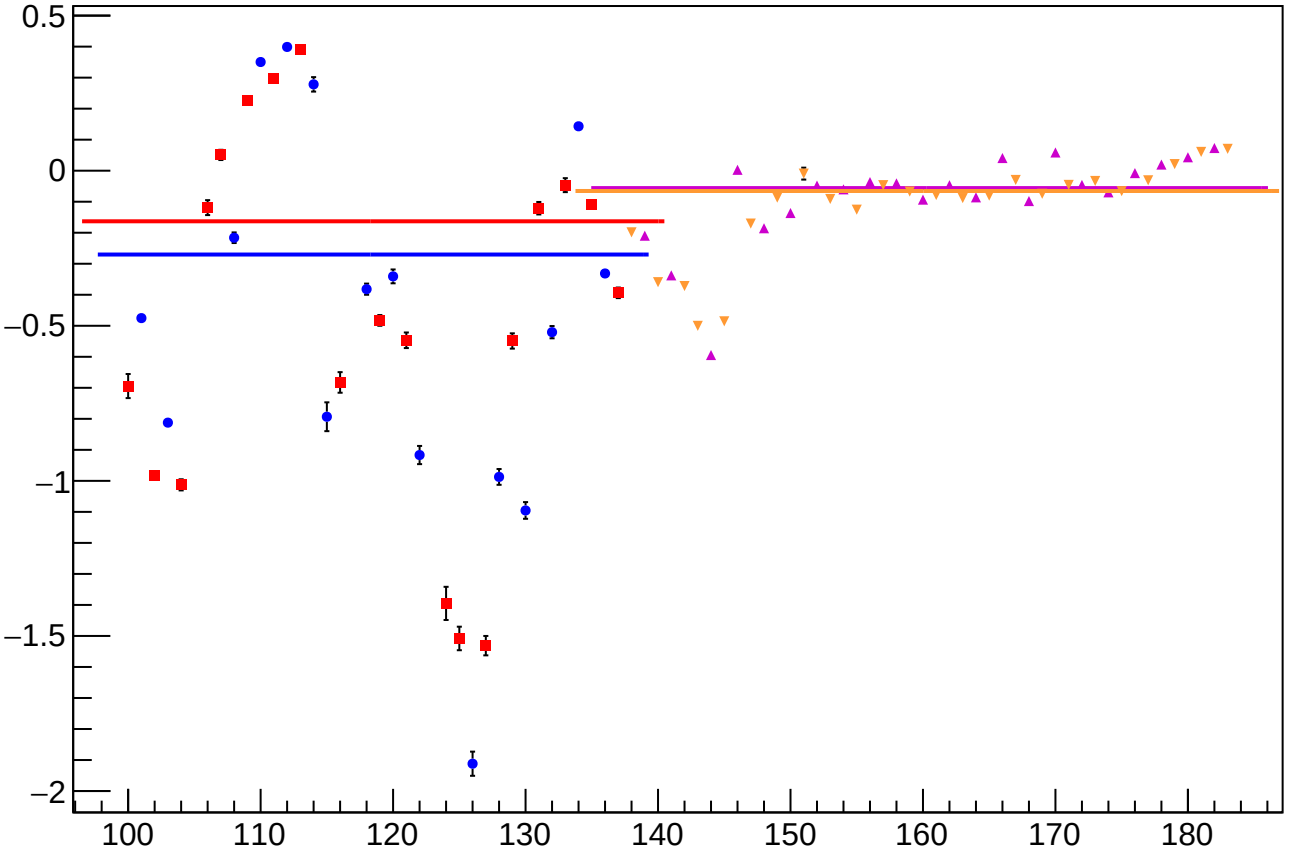
Left In: -1.020+/-0.035 χ^2/NDF:7014.8/21

+ sign -1.219+/-0.032 χ^2/NDF: 11484.3/39

All: -1.184+/-0.022 χ^2/NDF: 21034.1/80

- sign -1.151+/-0.031 χ^2/NDF: 9547.4/40

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.065+/-0.002 χ^2/NDF:5494.5/23

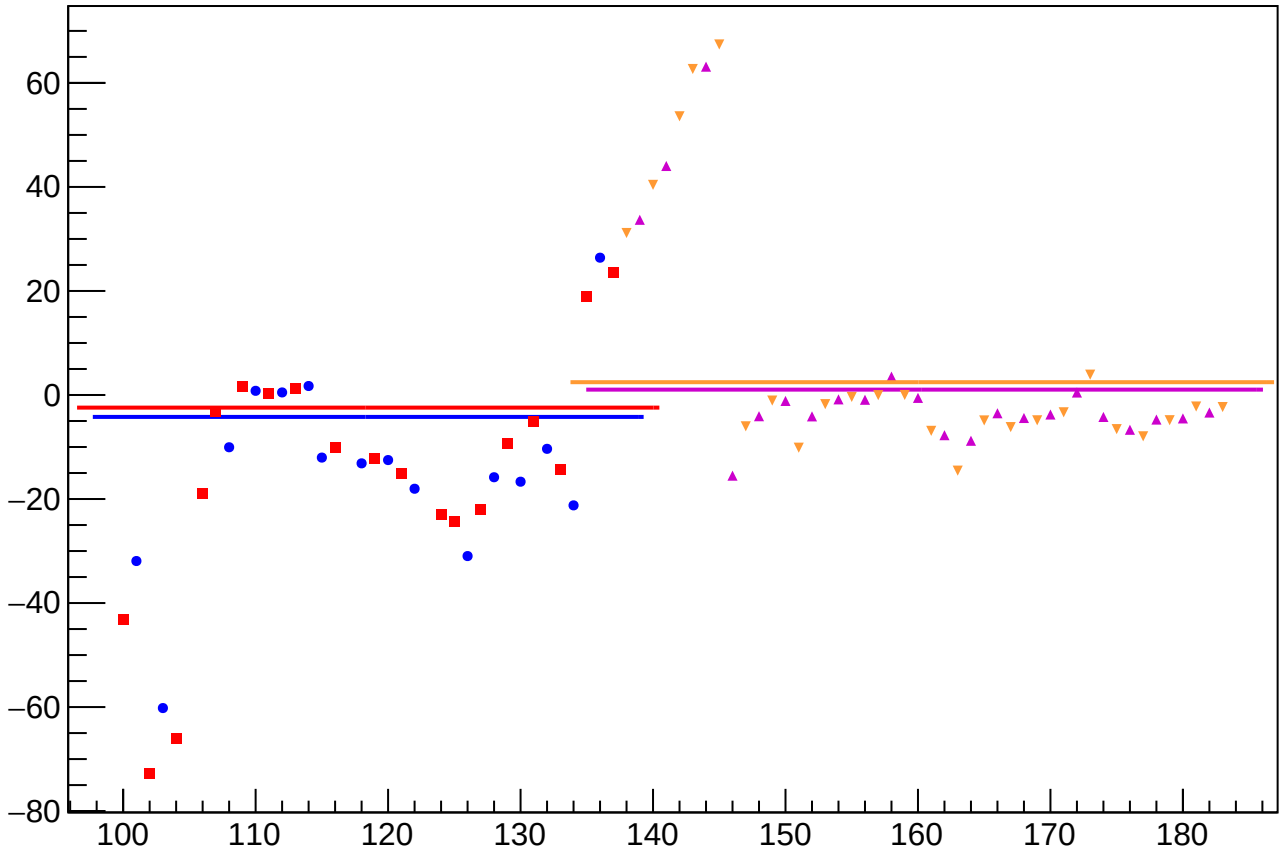
Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.056+/-0.002 χ^2/NDF:4845.8/21

+ sign -0.092+/-0.001 χ^2/NDF: 19665.8/39

All: -0.081+/-0.001 χ^2/NDF: 40822.8/80

- sign -0.071+/-0.001 χ^2/NDF: 21047.7/40



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 2.461+/-0.041 χ^2/NDF:176503.2/23

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

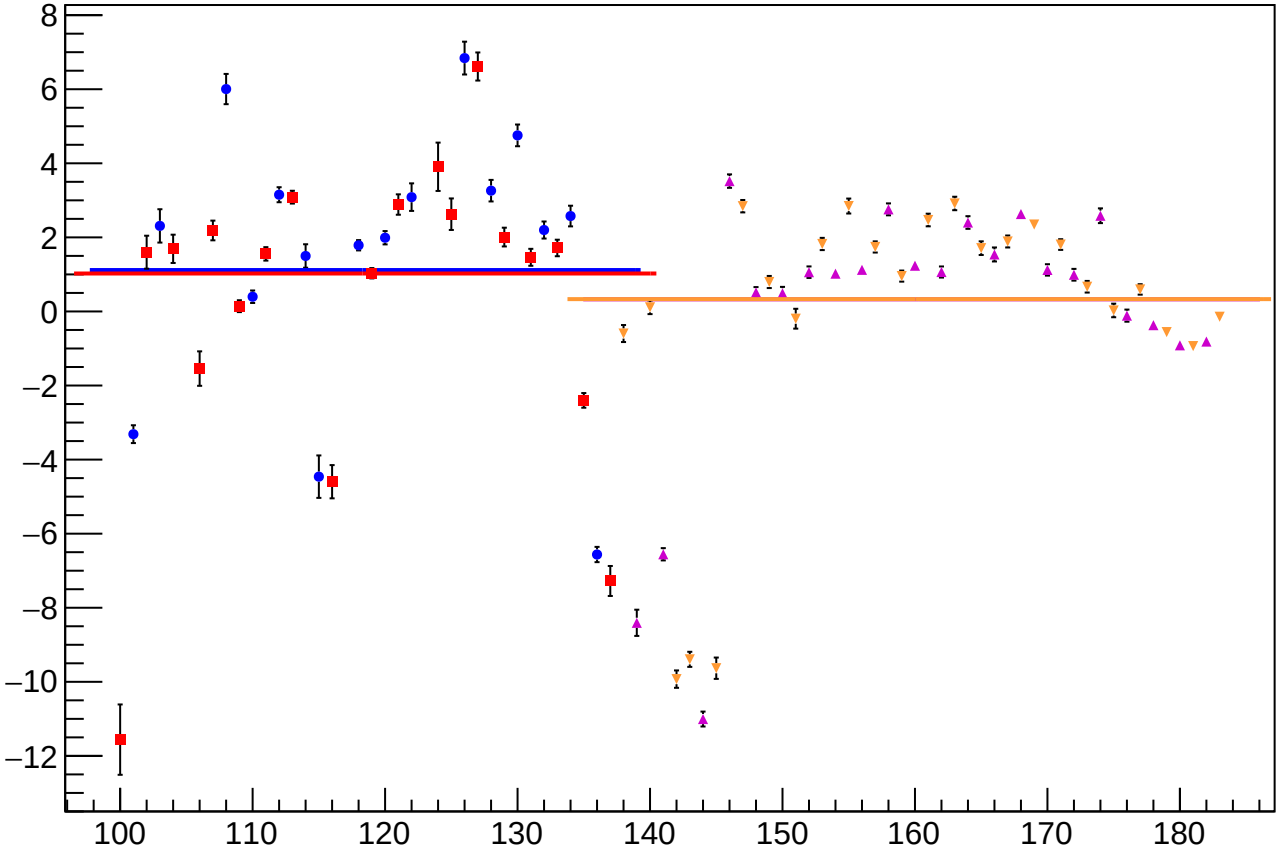
Left In: 1.031+/-0.041 χ^2/NDF:132324.6/21

+ sign 0.076+/-0.033 χ^2/NDF: 261287.6/39

All: -0.221+/-0.022 χ^2/NDF: 477649.6/80

- sign -0.479+/-0.031 χ^2/NDF: 216207.8/40

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.333+/-0.033 χ^2/NDF:7017.9/23

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

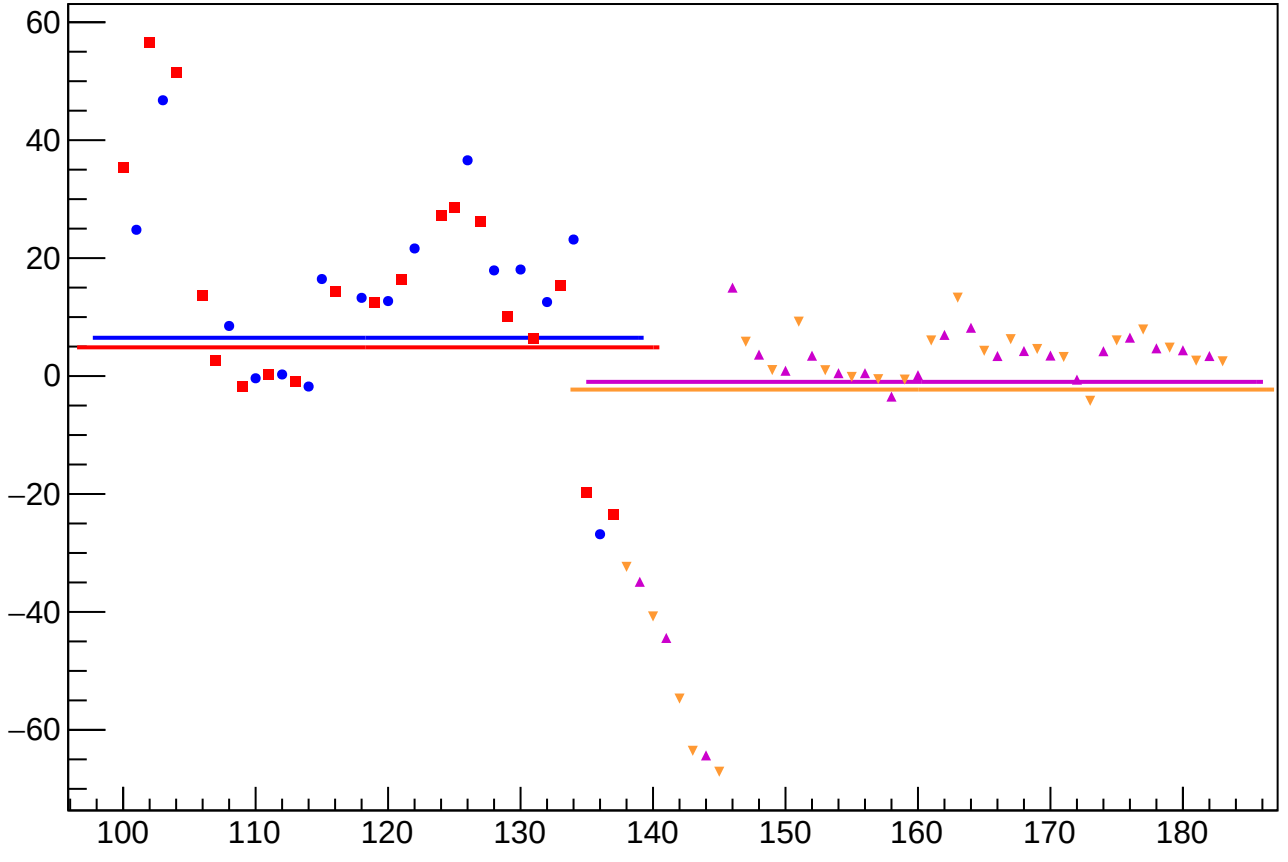
Left In: 0.327+/-0.032 χ^2/NDF:7090.2/21

+ sign 0.515+/-0.029 χ^2/NDF: 9739.3/39

All: 0.503+/-0.020 χ^2/NDF: 18555.4/80

- sign 0.492+/-0.028 χ^2/NDF: 8815.7/40

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -2.293+/-0.041 χ^2/NDF:170782.4/23

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

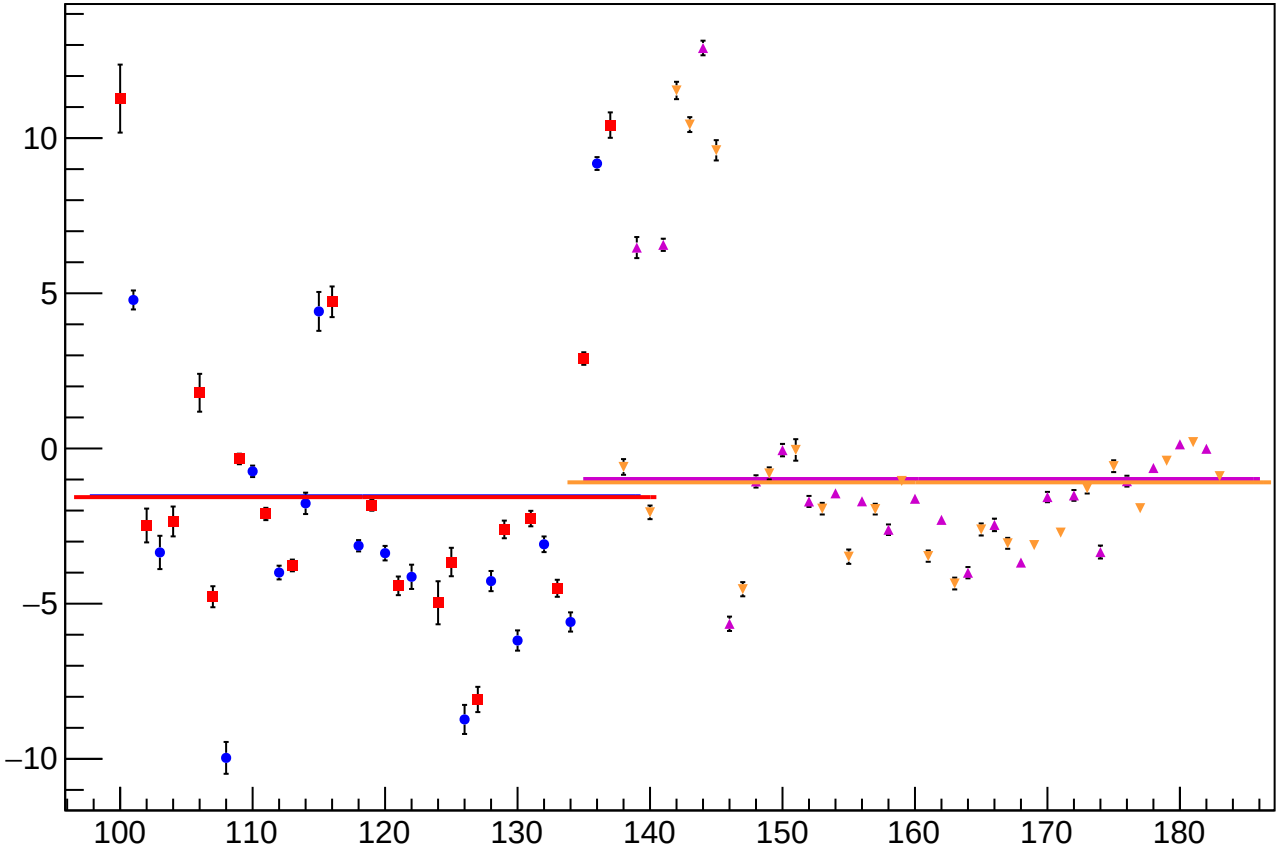
Left In: -0.984+/-0.040 χ^2/NDF:129005.6/21

+ sign 0.173+/-0.035 χ^2/NDF: 254454.2/39

All: 0.526+/-0.024 χ^2/NDF: 465637.1/80

- sign 0.851+/-0.033 χ^2/NDF: 210982.8/40

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.091+/-0.037 χ^2/NDF:6948.1/23

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

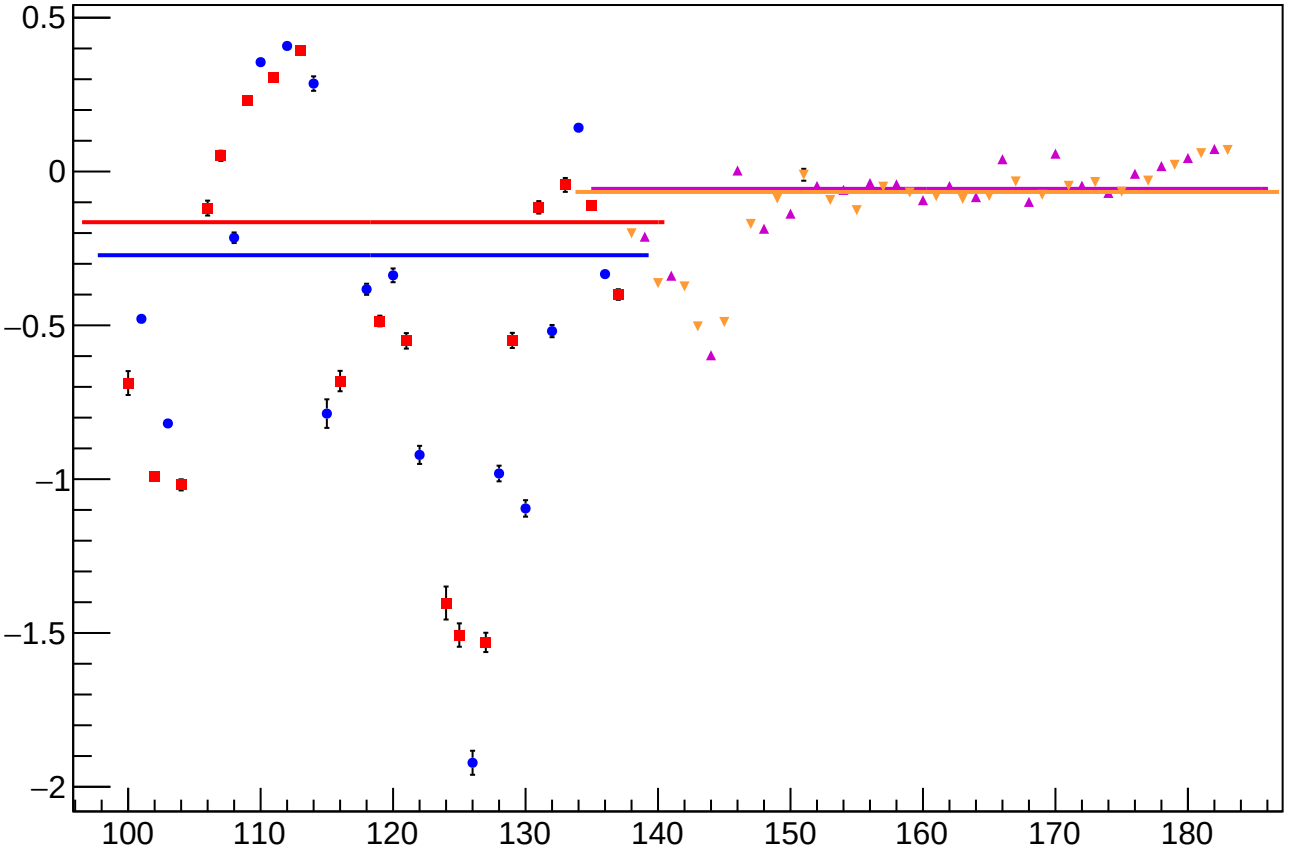
Left In: -0.984+/-0.035 χ^2/NDF:6999.4/21

+ sign -1.189+/-0.033 χ^2/NDF: 11516.6/39

All: -1.152+/-0.022 χ^2/NDF: 21078.3/80

- sign -1.118+/-0.031 χ^2/NDF: 9559.2/40

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.066+/-0.002 χ^2/NDF:5504.8/23

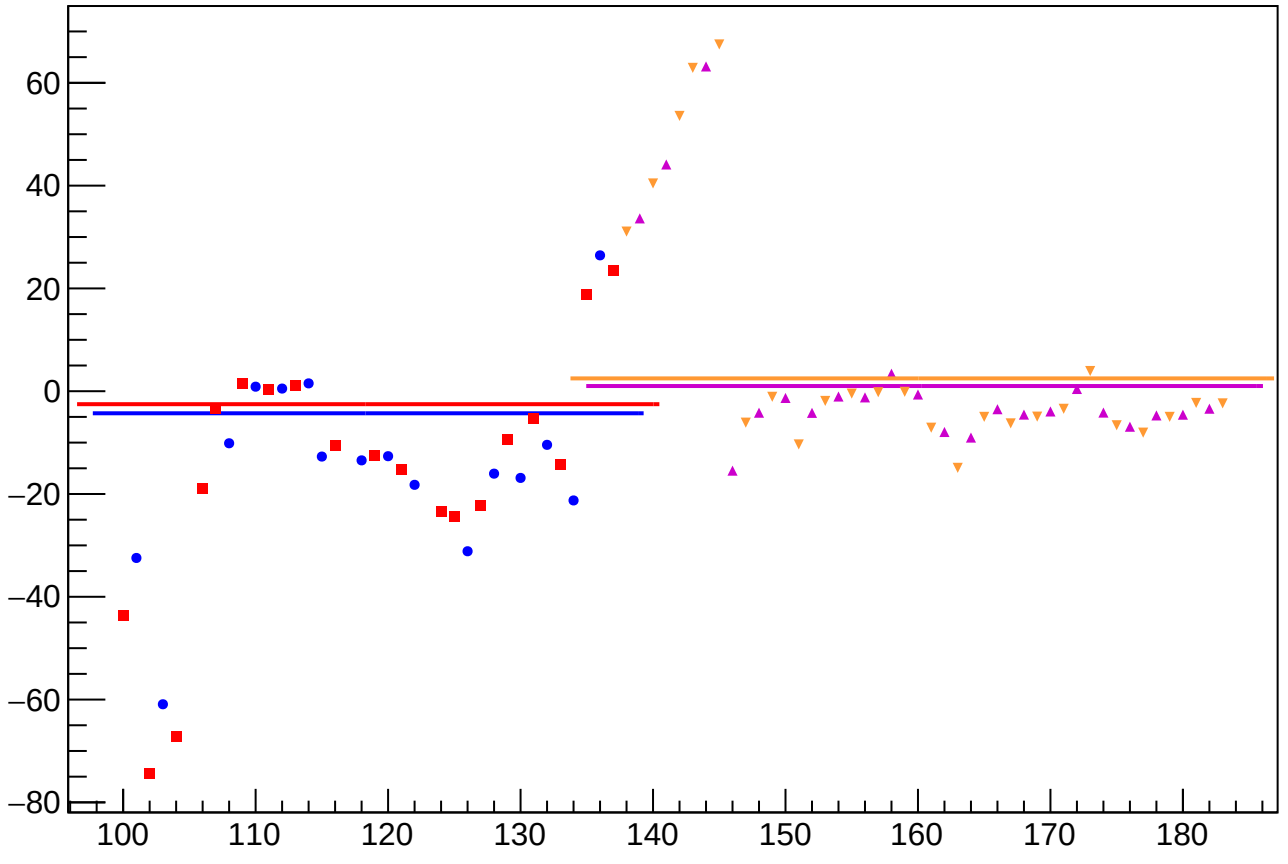
Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.056+/-0.002 χ^2/NDF:4838.0/21

\+ sign -0.093+/-0.002 χ^2/NDF: 19696.9/39

All: -0.081+/-0.001 χ^2/NDF: 40841.5/80

\- sign -0.071+/-0.001 χ^2/NDF: 21029.9/40



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 2.492+/-0.042 χ^2/NDF:174000.1/23

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

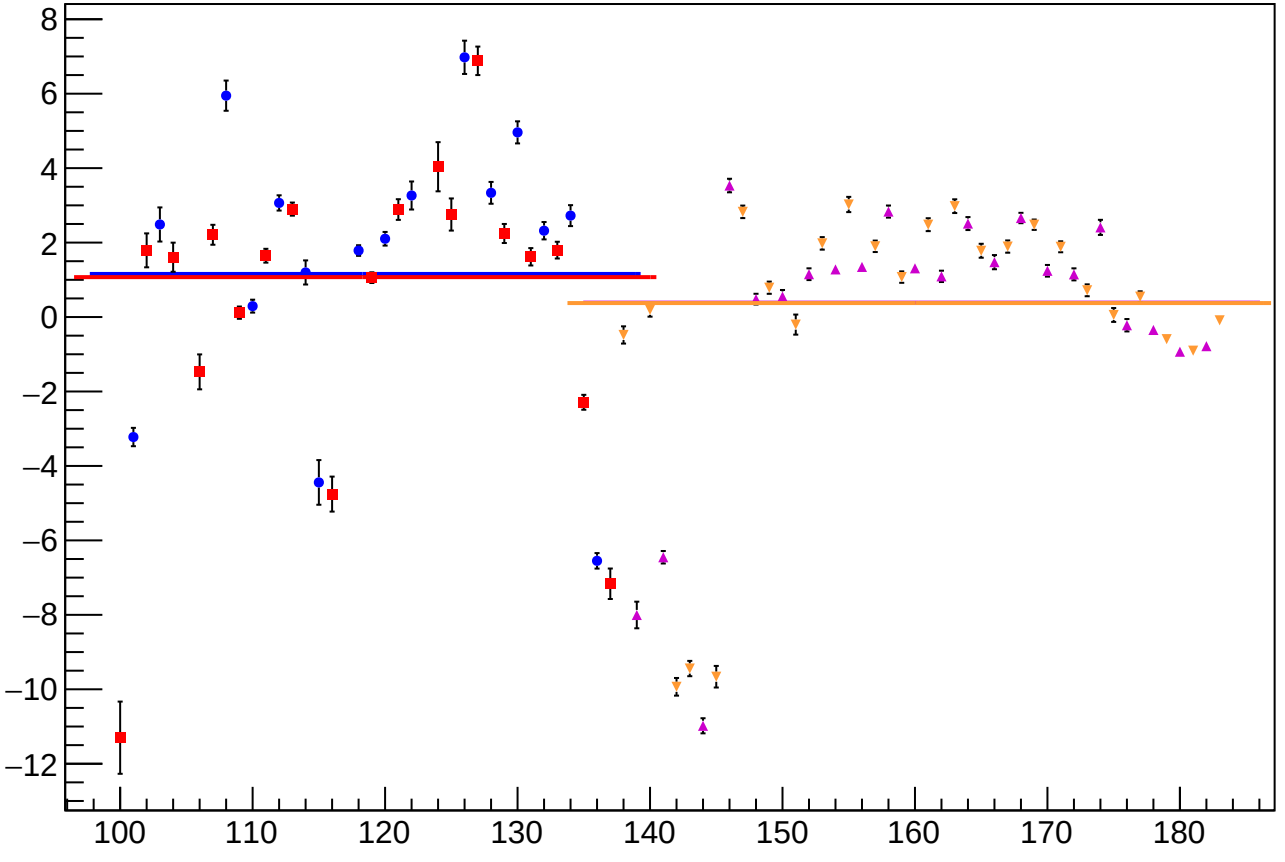
Left In: 1.008+/-0.041 χ^2/NDF:130164.3/21

+ sign 0.065+/-0.033 χ^2/NDF: 257747.3/39

All: -0.252+/-0.023 χ^2/NDF: 471124.5/80

- sign -0.530+/-0.031 χ^2/NDF: 213207.2/40

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.375+/-0.034 χ^2/NDF:7000.3/23

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

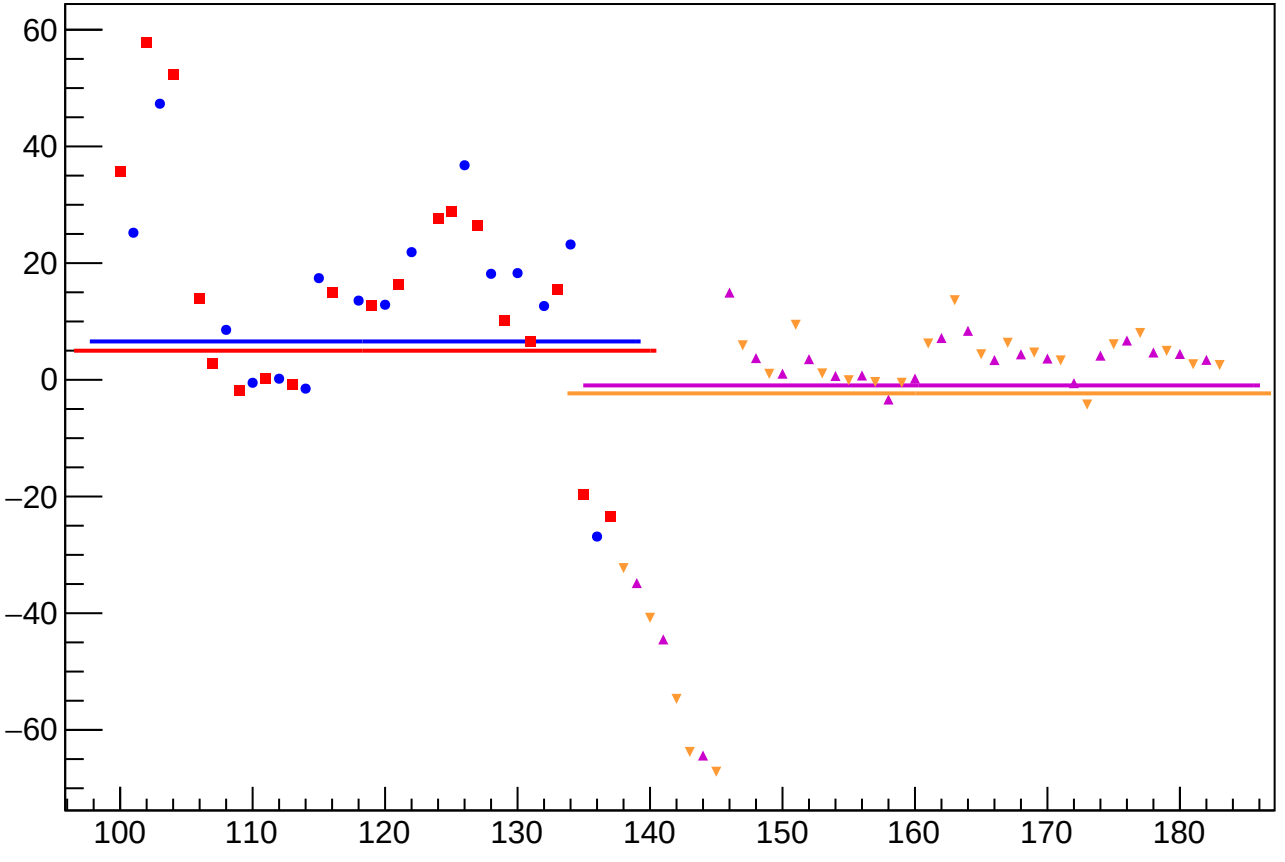
Left In: 0.387+/-0.032 χ^2/NDF:6928.5/21

+ sign 0.557+/-0.030 χ^2/NDF: 9674.4/39

All: 0.553+/-0.020 χ^2/NDF: 18259.6/80

- sign 0.549+/-0.028 χ^2/NDF: 8585.2/40

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -2.321+/-0.042 χ^2/NDF:168339.0/23

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

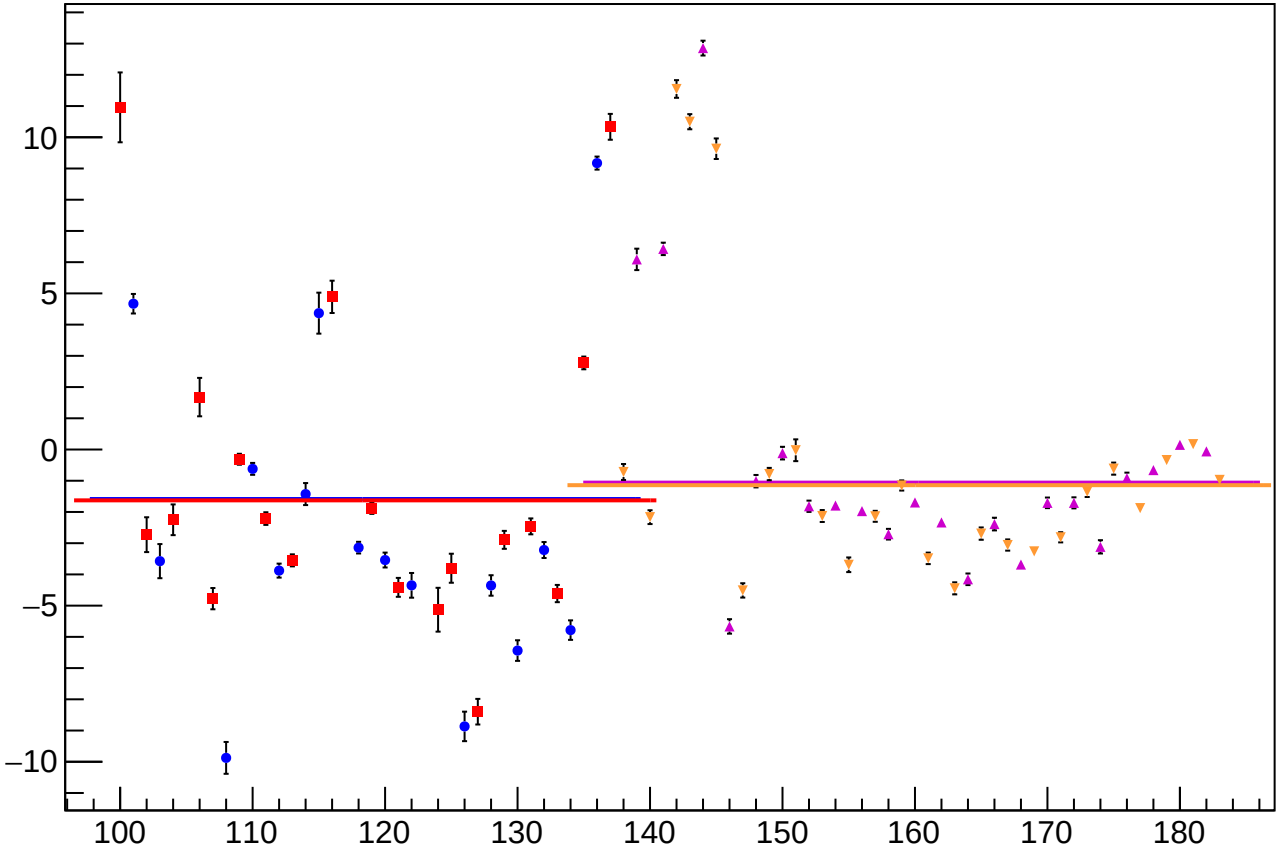
Left In: -0.958+/-0.041 χ^2/NDF:126875.0/21

+ sign 0.181+/-0.035 χ^2/NDF: 250983.8/39

All: 0.558+/-0.024 χ^2/NDF: 459199.9/80

- sign 0.906+/-0.034 χ^2/NDF: 207995.3/40

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.142+/-0.037 χ^2/NDF:6924.6/23

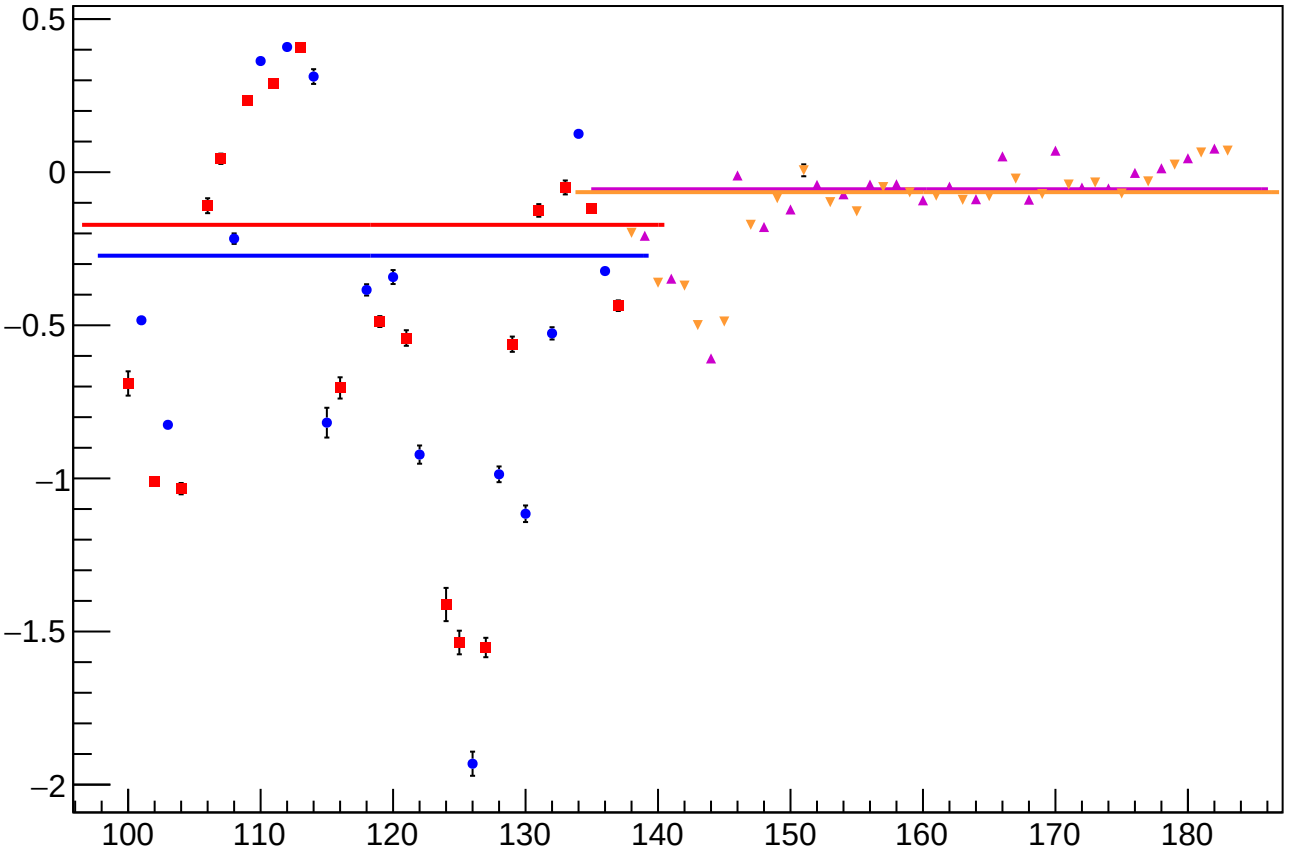
Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.061+/-0.036 χ^2/NDF:6815.8/21

+ sign -1.239+/-0.033 χ^2/NDF: 11427.9/39

All: -1.214+/-0.023 χ^2/NDF: 20724.1/80

- sign -1.191+/-0.032 χ^2/NDF: 9295.2/40



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.065+/-0.002 χ^2/NDF:5392.2/23

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

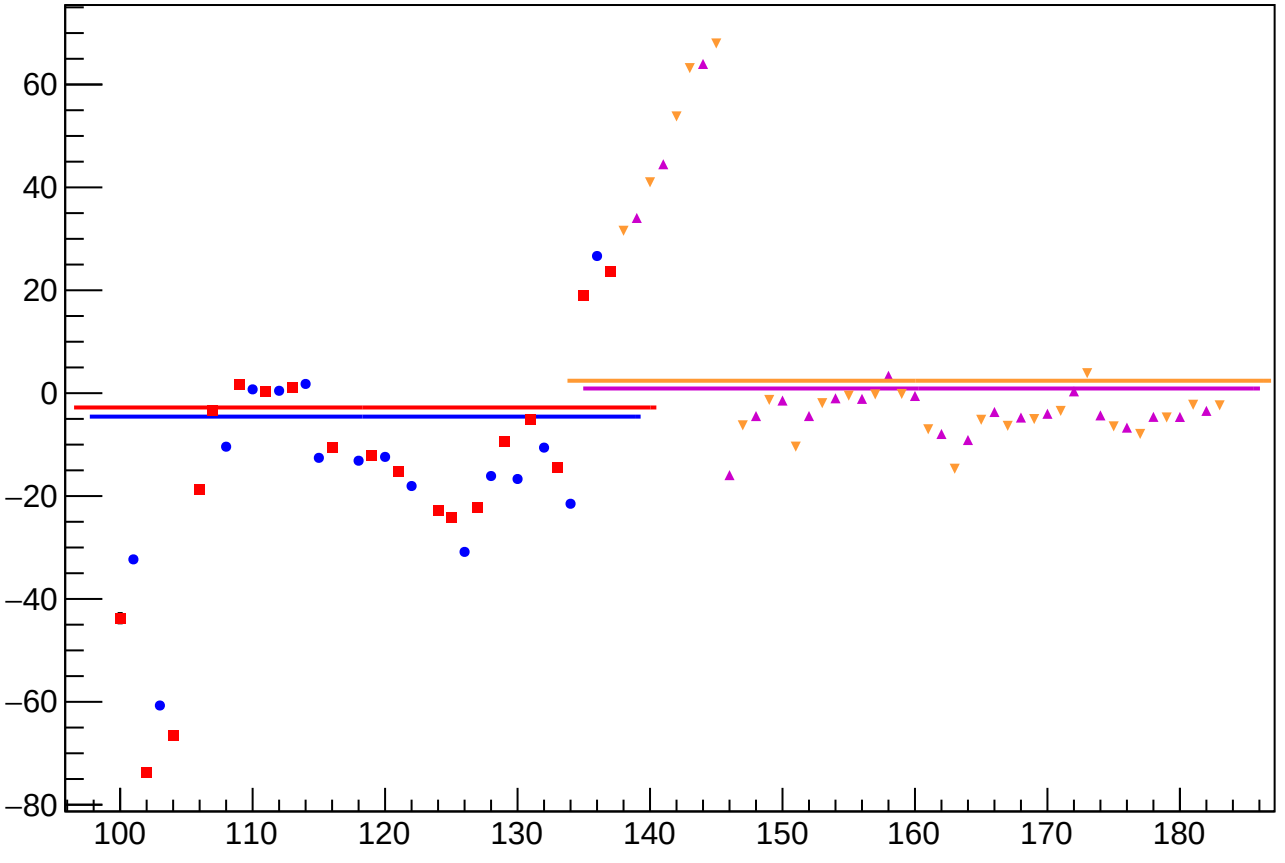
Left In: -0.056+/-0.002 χ^2/NDF:4880.8/21

+ sign -0.092+/-0.002 χ^2/NDF: 19346.4/39

All: -0.081+/-0.001 χ^2/NDF: 40423.9/80

- sign -0.072+/-0.001 χ^2/NDF: 20980.7/40

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 2.418+/-0.042 χ^2/NDF:171023.8/23

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

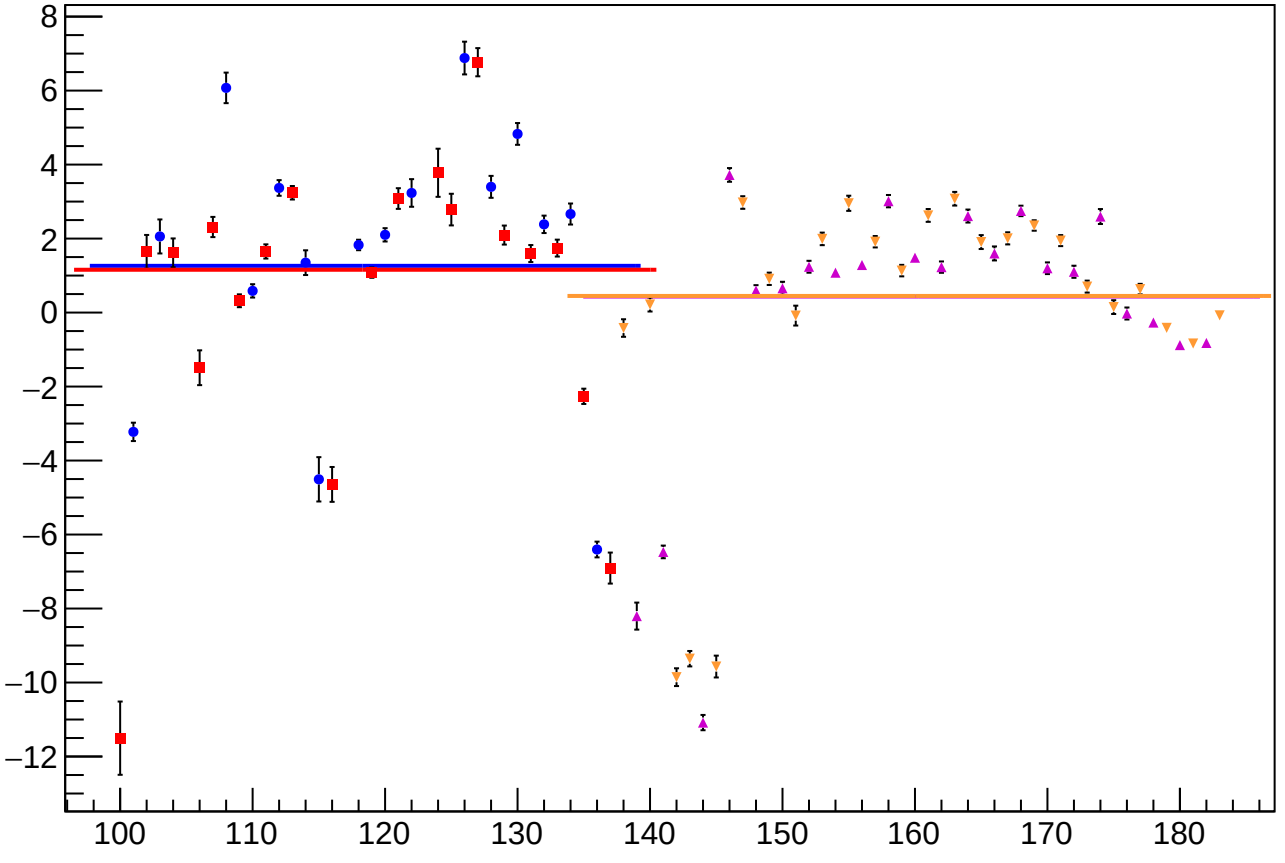
Left In: 0.908+/-0.042 χ^2/NDF:128601.5/21

+ sign -0.047+/-0.034 χ^2/NDF: 253409.8/39

All: -0.376+/-0.023 χ^2/NDF: 463409.3/80

- sign -0.666+/-0.032 χ^2/NDF: 209820.8/40

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.449+/-0.034 χ^2/NDF:6773.1/23

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

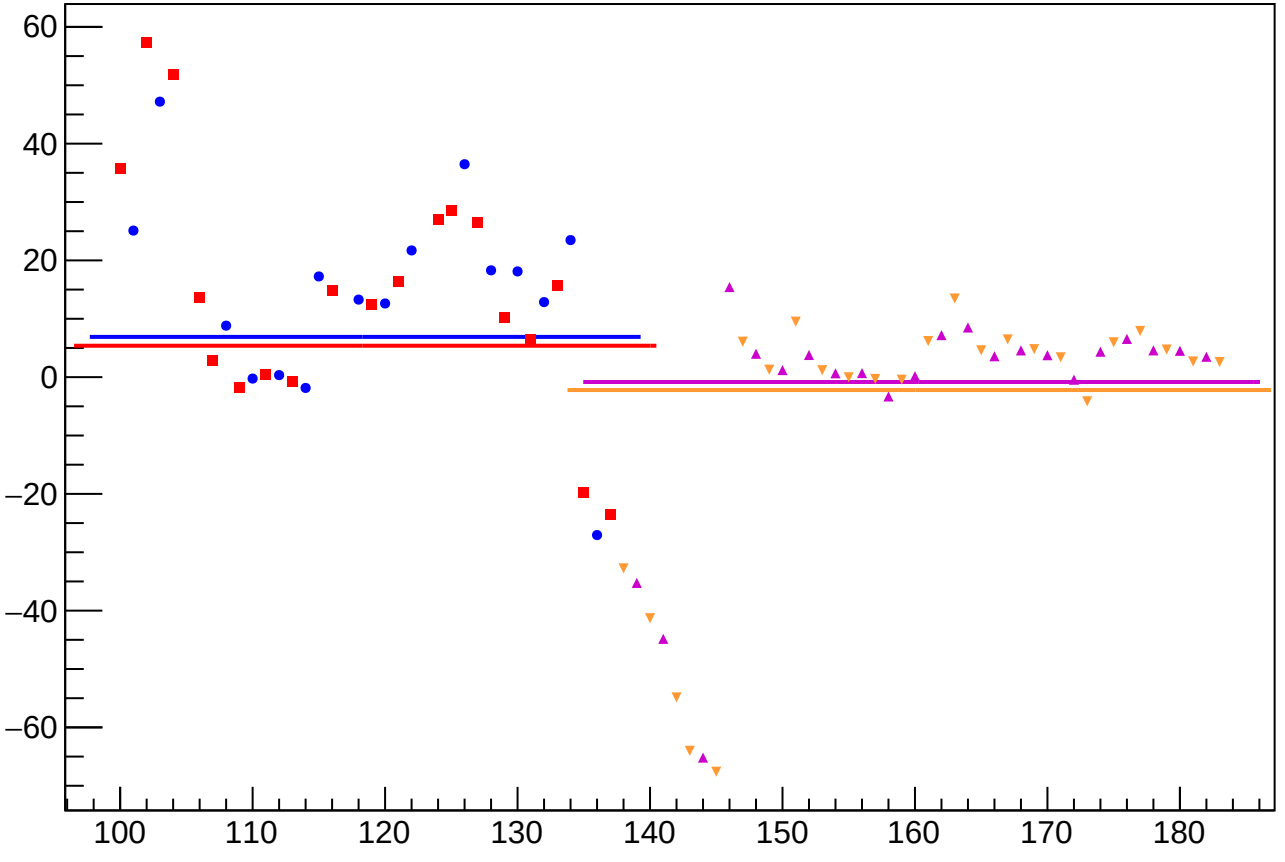
Left In: 0.434+/-0.033 χ^2/NDF:6892.3/21

+ sign 0.638+/-0.030 χ^2/NDF: 9349.0/39

All: 0.620+/-0.021 χ^2/NDF: 17847.1/80

- sign 0.604+/-0.029 χ^2/NDF: 8497.4/40

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -2.209+/-0.042 χ^2/NDF:165359.6/23

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

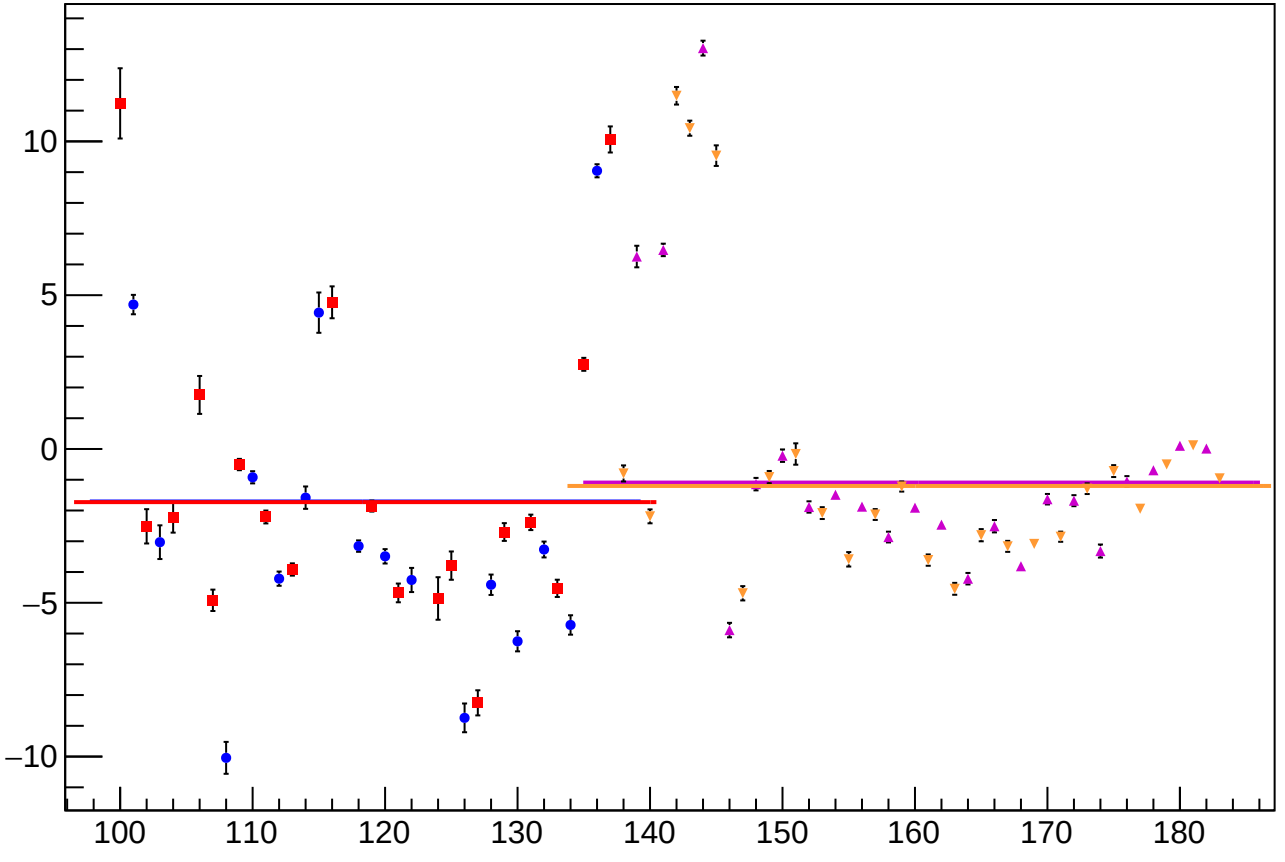
Left In: -0.830+/-0.041 χ^2/NDF:125296.1/21

+ sign 0.333+/-0.036 χ^2/NDF: 246571.5/39

All: 0.724+/-0.025 χ^2/NDF: 451340.4/80

- sign 1.086+/-0.034 χ^2/NDF: 204536.3/40

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.202+/-0.038 χ^2/NDF:6713.2/23

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

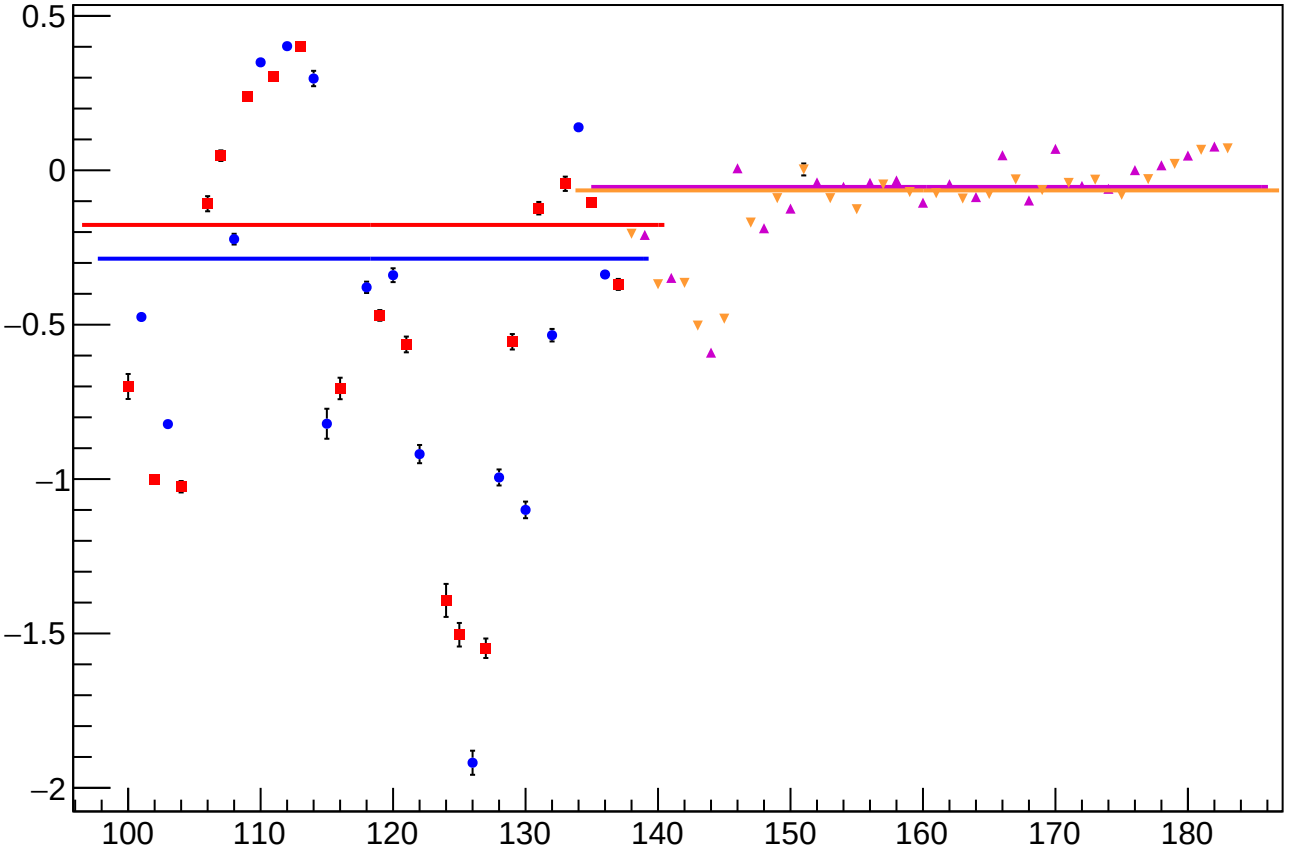
Left In: -1.092+/-0.036 χ^2/NDF:6821.4/21

+ sign -1.312+/-0.033 χ^2/NDF: 11042.1/39

All: -1.273+/-0.023 χ^2/NDF: 20245.3/80

- sign -1.237+/-0.032 χ^2/NDF: 9200.7/40

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.065+/-0.002 χ^2/NDF:5261.7/23

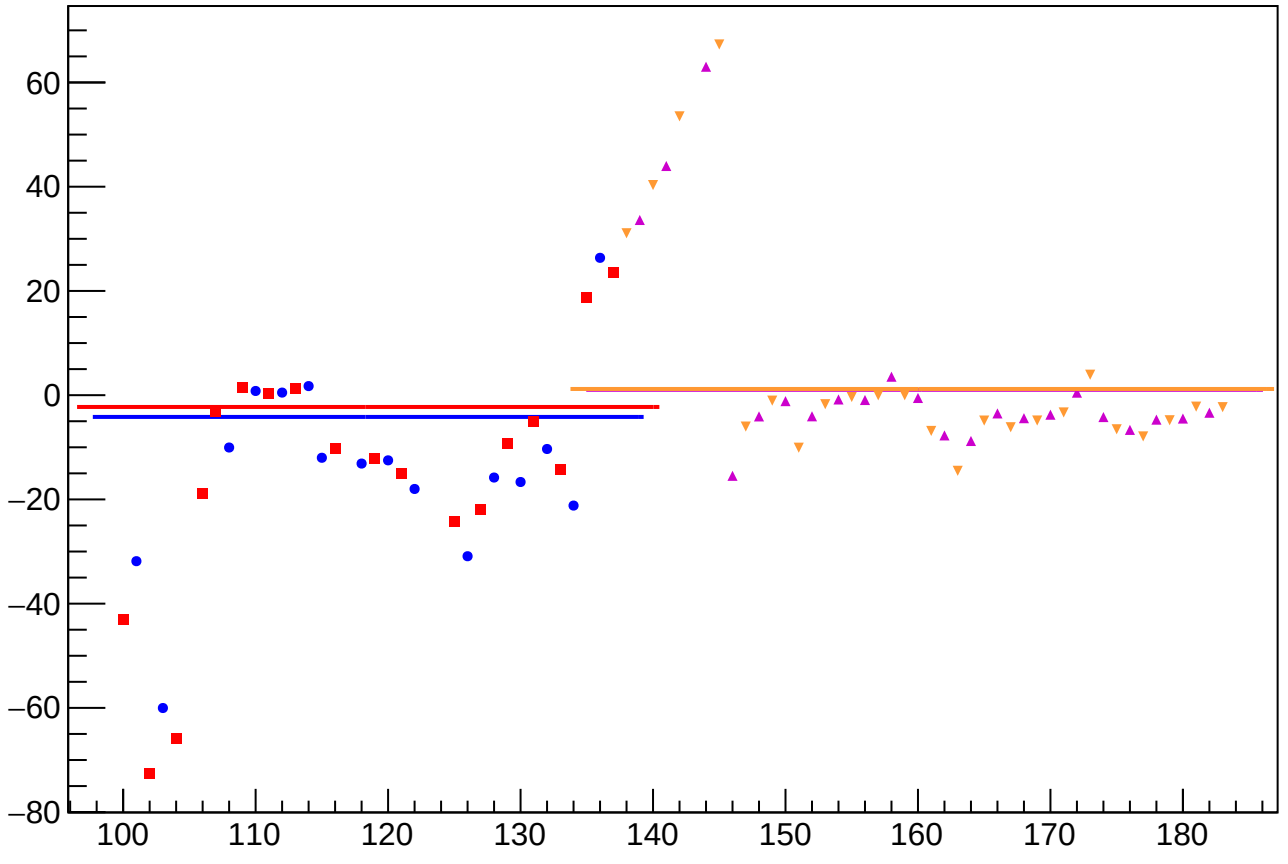
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.054+/-0.002 χ^2/NDF:4718.4/21

+ sign -0.094+/-0.002 χ^2/NDF: 18944.0/39

All: -0.081+/-0.001 χ^2/NDF: 39389.8/80

- sign -0.071+/-0.001 χ^2/NDF: 20324.6/40



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 1.191+/-0.041 χ^2/NDF:130574.0/22

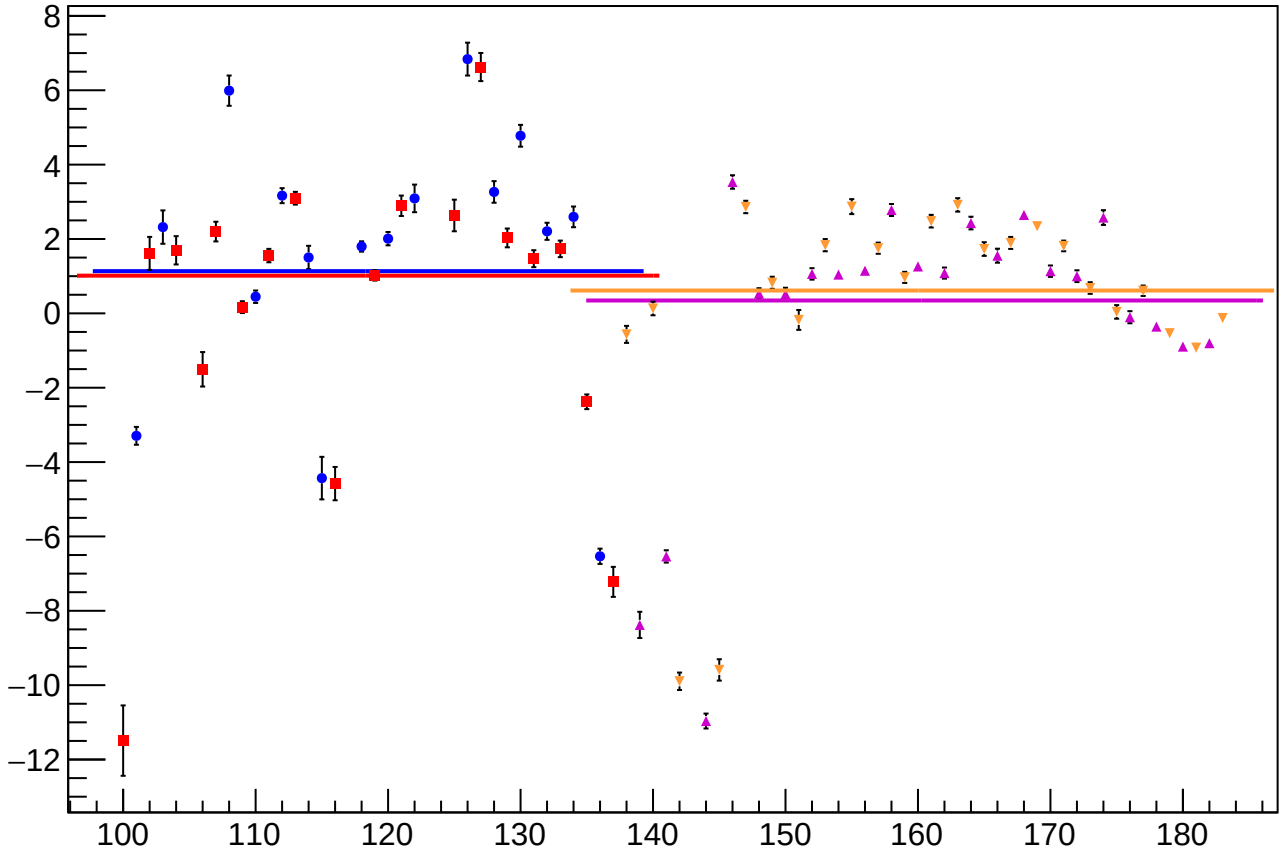
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 1.031+/-0.041 χ^2/NDF:132558.1/21

+ sign -0.755+/-0.033 χ^2/NDF: 212153.7/38

All: -0.567+/-0.022 χ^2/NDF: 427278.3/78

- sign -0.406+/-0.030 χ^2/NDF: 215063.9/39



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.614+/-0.034 χ^2/NDF:4676.0/22

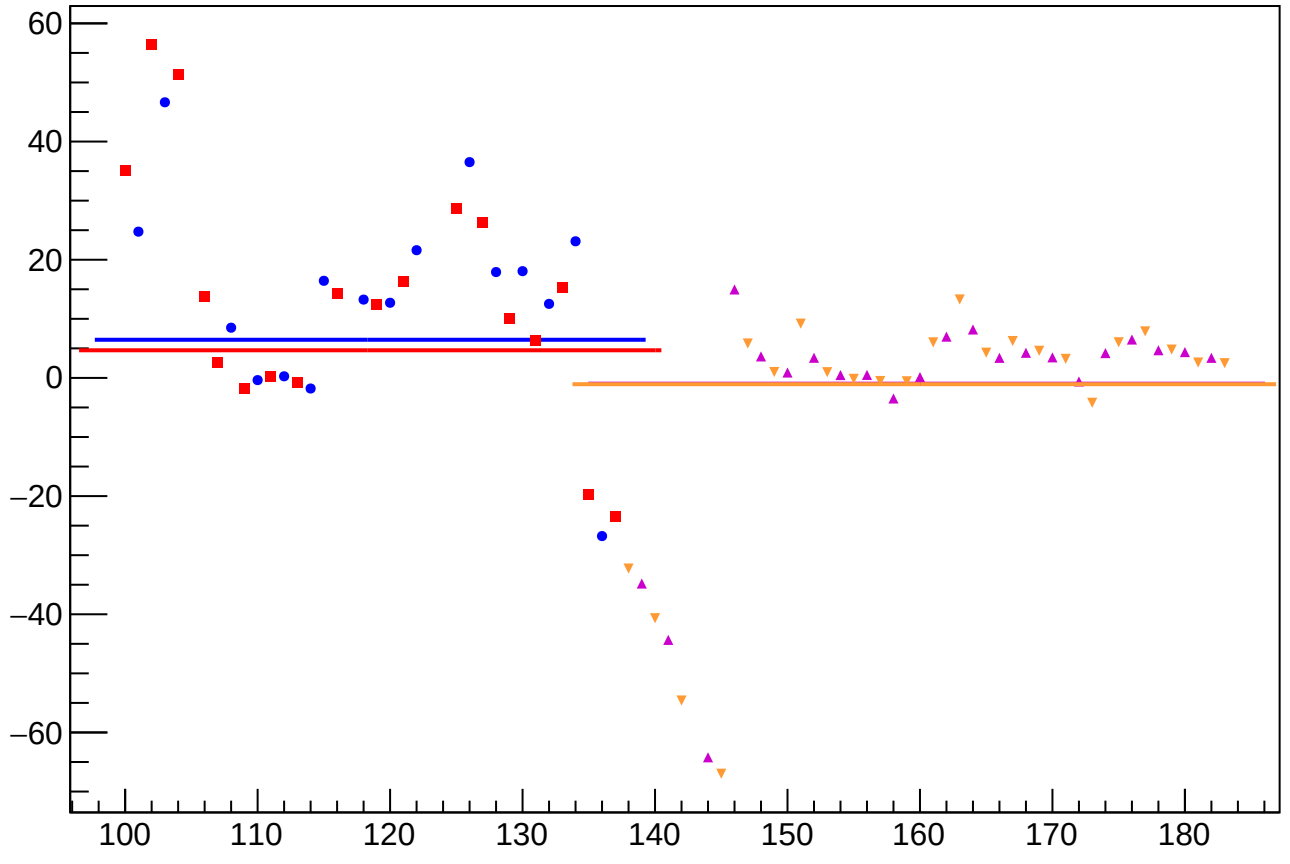
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.346+/-0.032 χ^2/NDF:7113.2/21

+ sign 0.738+/-0.029 χ^2/NDF: 7328.9/38

All: 0.614+/-0.020 χ^2/NDF: 16173.4/78

- sign 0.503+/-0.028 χ^2/NDF: 8810.6/39



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -1.064+/-0.041 χ^2/NDF:125904.4/22

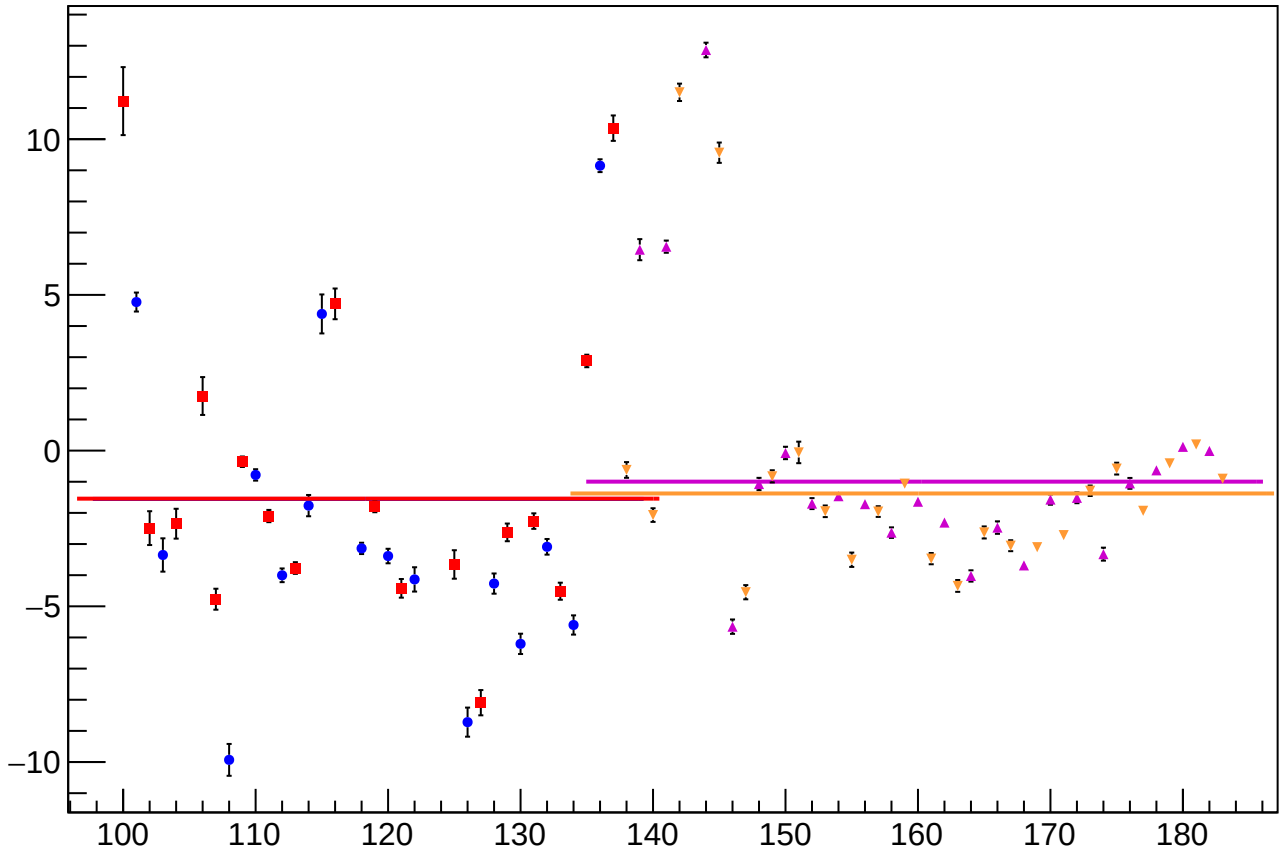
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -0.973+/-0.040 χ^2/NDF:129226.5/21

\+ sign 1.079+/-0.035 χ^2/NDF: 206283.7/38

All: 0.930+/-0.024 χ^2/NDF: 416244.3/78

\- sign 0.794+/-0.033 χ^2/NDF: 209925.0/39



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.377+/-0.037 χ^2/NDF:4585.3/22

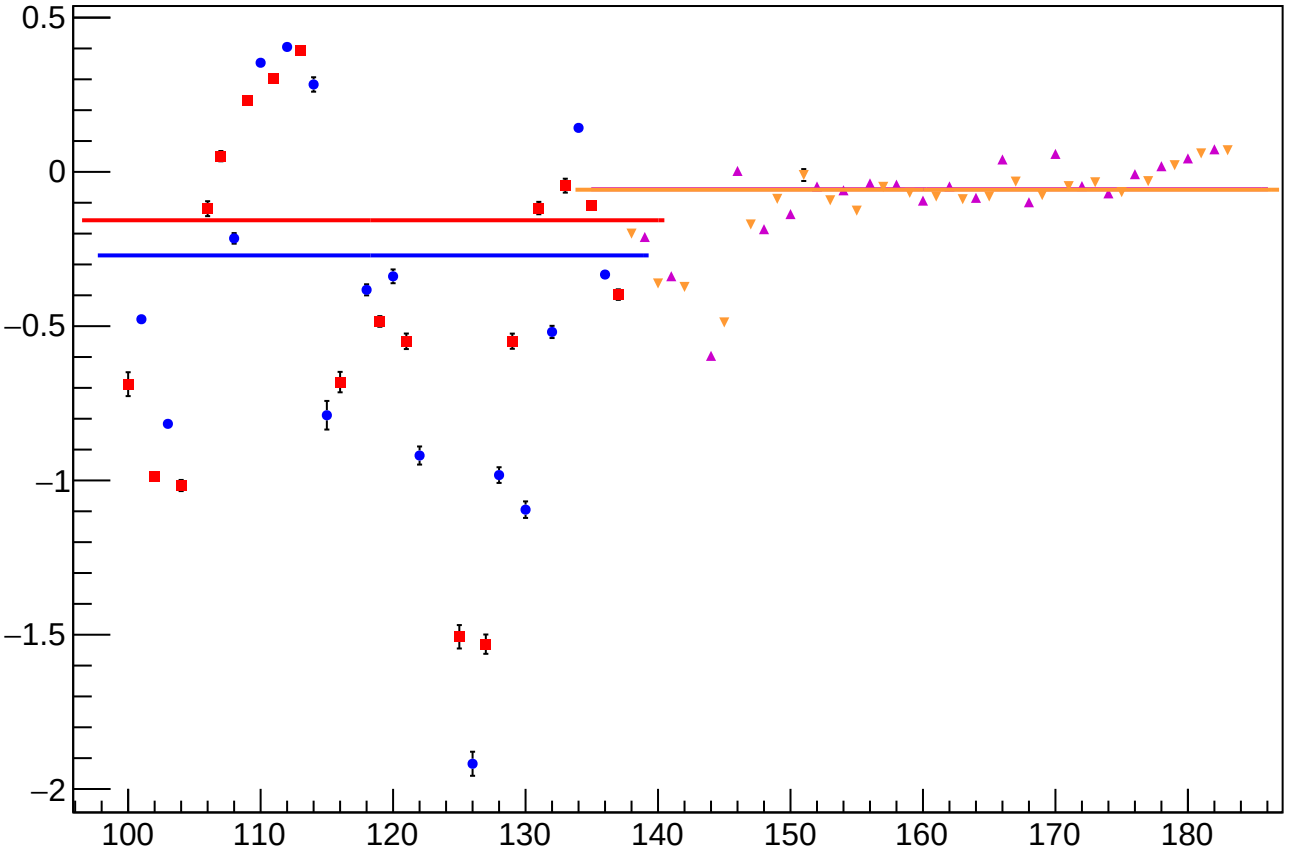
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.997+/-0.035 χ^2/NDF:7019.8/21

+ sign -1.416+/-0.033 χ^2/NDF: 9133.8/38

All: -1.260+/-0.022 χ^2/NDF: 18724.5/78

- sign -1.122+/-0.031 χ^2/NDF: 9548.0/39



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.058+/-0.002 χ^2/NDF:4132.9/22

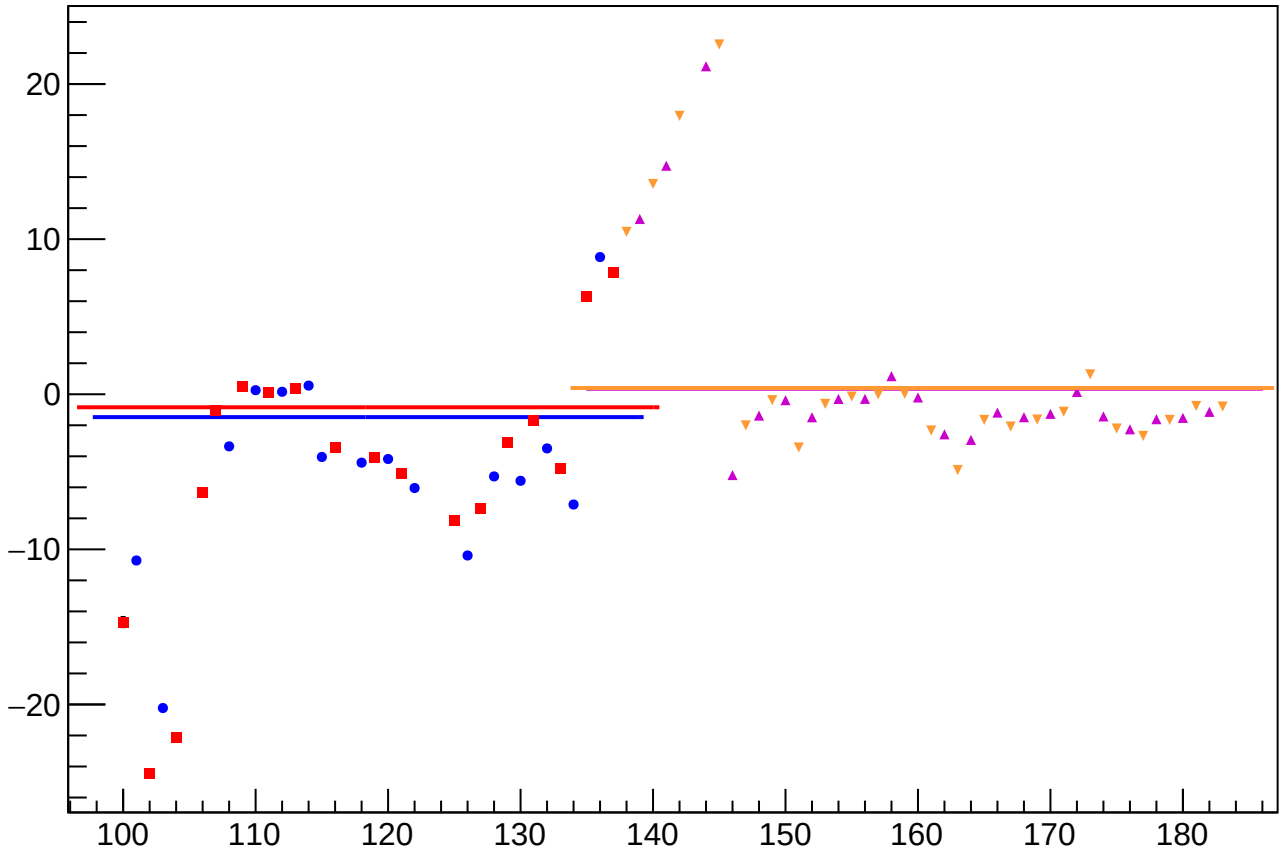
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.056+/-0.002 χ^2/NDF:4851.9/21

+ sign -0.086+/-0.002 χ^2/NDF: 18521.3/38

All: -0.077+/-0.001 χ^2/NDF: 39061.2/78

- sign -0.070+/-0.001 χ^2/NDF: 20478.5/39



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 0.405+/-0.014 χ^2/NDF:128393.4/22

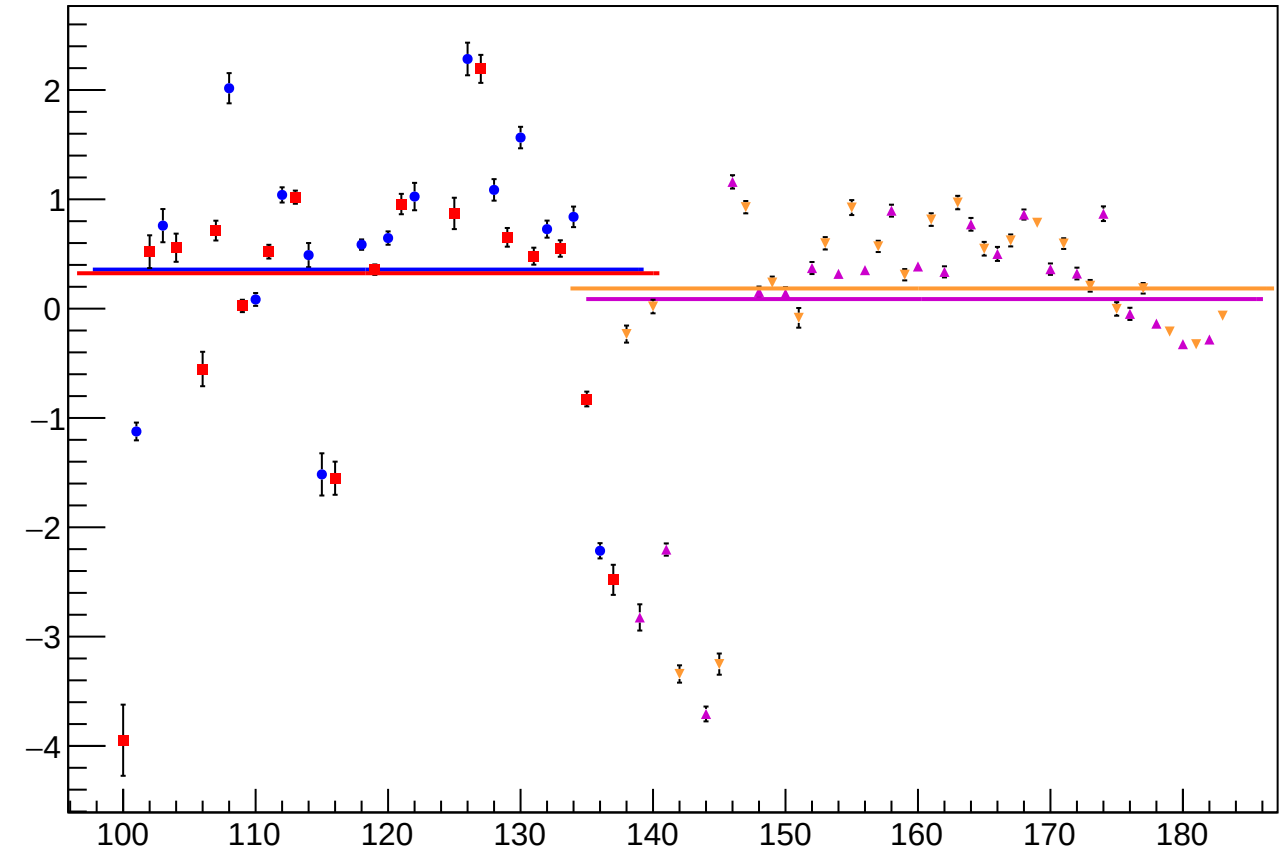
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 0.358+/-0.014 χ^2/NDF:129976.3/21

+ sign -0.271+/-0.011 χ^2/NDF: 208552.5/38

All: -0.209+/-0.008 χ^2/NDF: 419780.4/78

- sign -0.155+/-0.010 χ^2/NDF: 211171.0/39



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.185+/-0.011 χ^2/NDF:4612.1/22

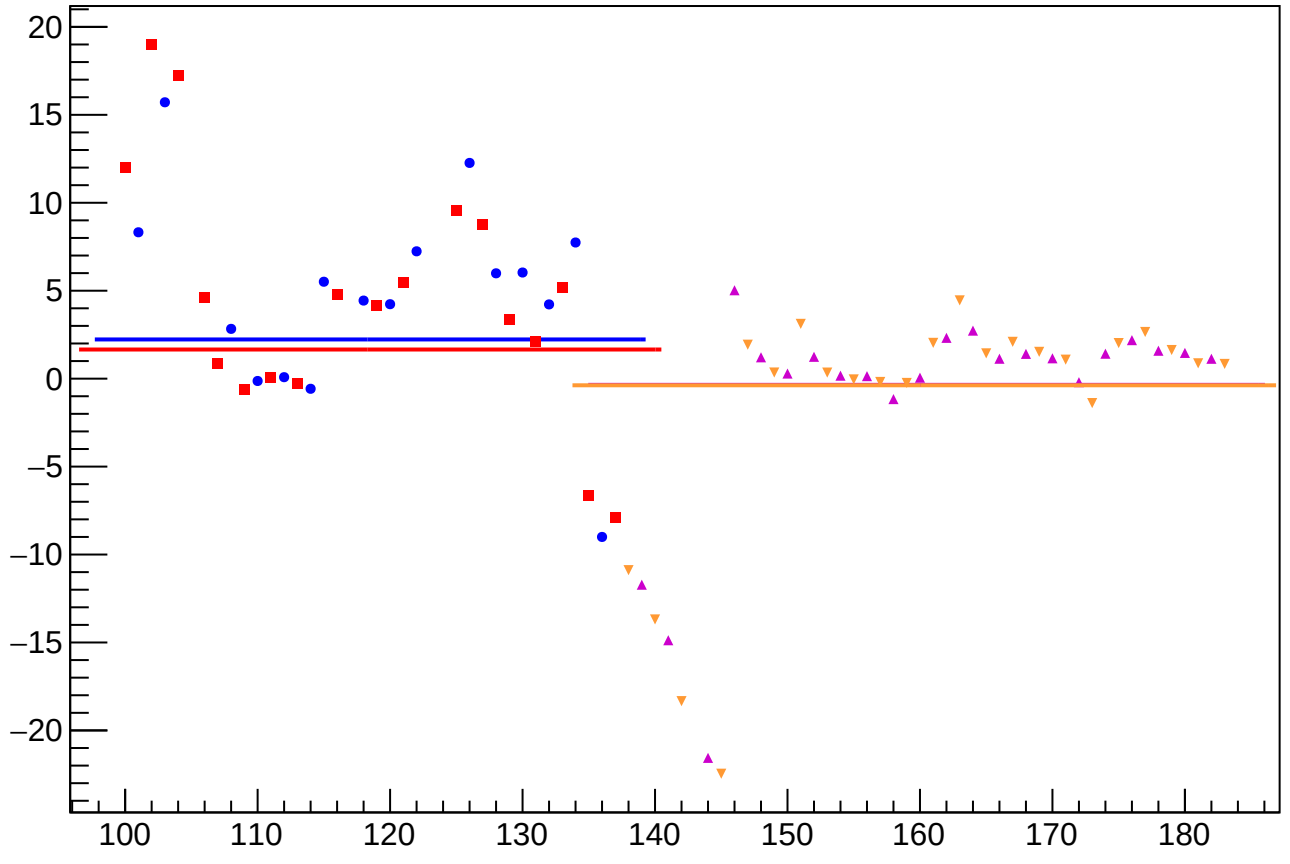
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.088+/-0.011 χ^2/NDF:6931.6/21

+ sign 0.226+/-0.010 χ^2/NDF: 7208.8/38

All: 0.182+/-0.007 χ^2/NDF: 15845.5/78

- sign 0.143+/-0.010 χ^2/NDF: 8600.7/39



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.377+/-0.014 χ^2/NDF:123783.2/22

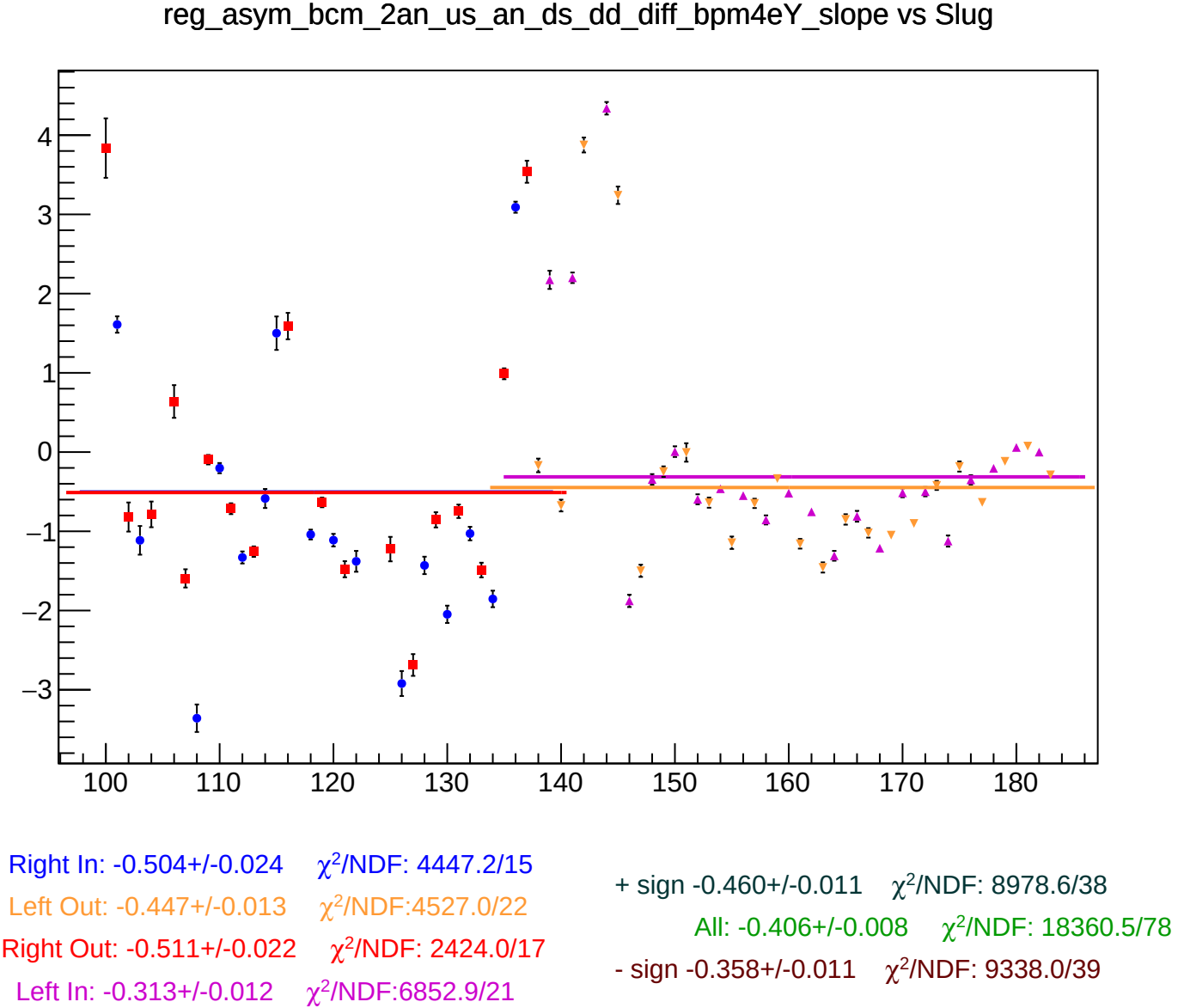
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.352+/-0.014 χ^2/NDF:126744.8/21

+ sign 0.363+/-0.012 χ^2/NDF: 202789.3/38

All: 0.314+/-0.008 χ^2/NDF: 409037.9/78

- sign 0.268+/-0.011 χ^2/NDF: 206215.3/39



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.447+/-0.013 χ^2/NDF:4527.0/22

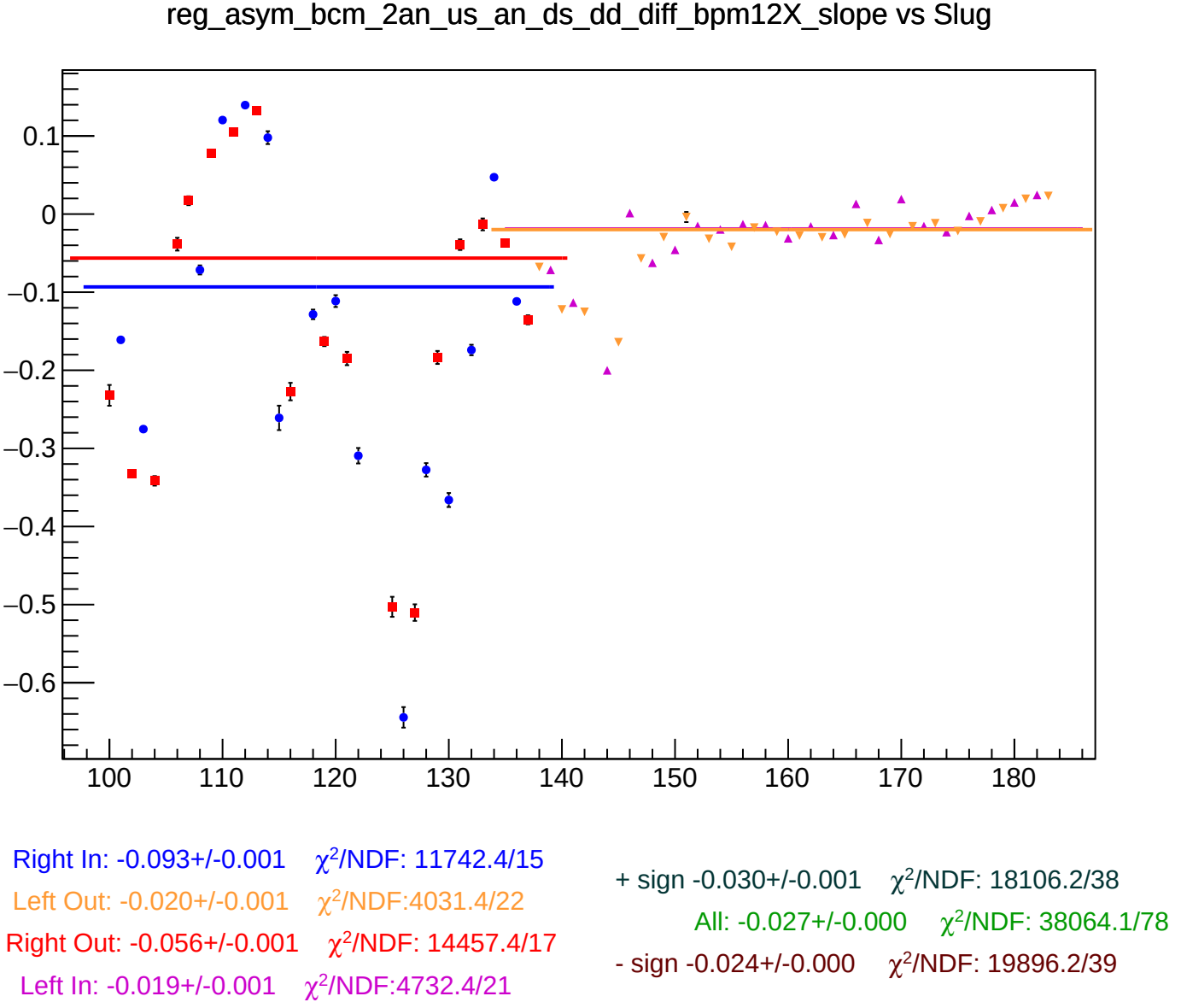
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

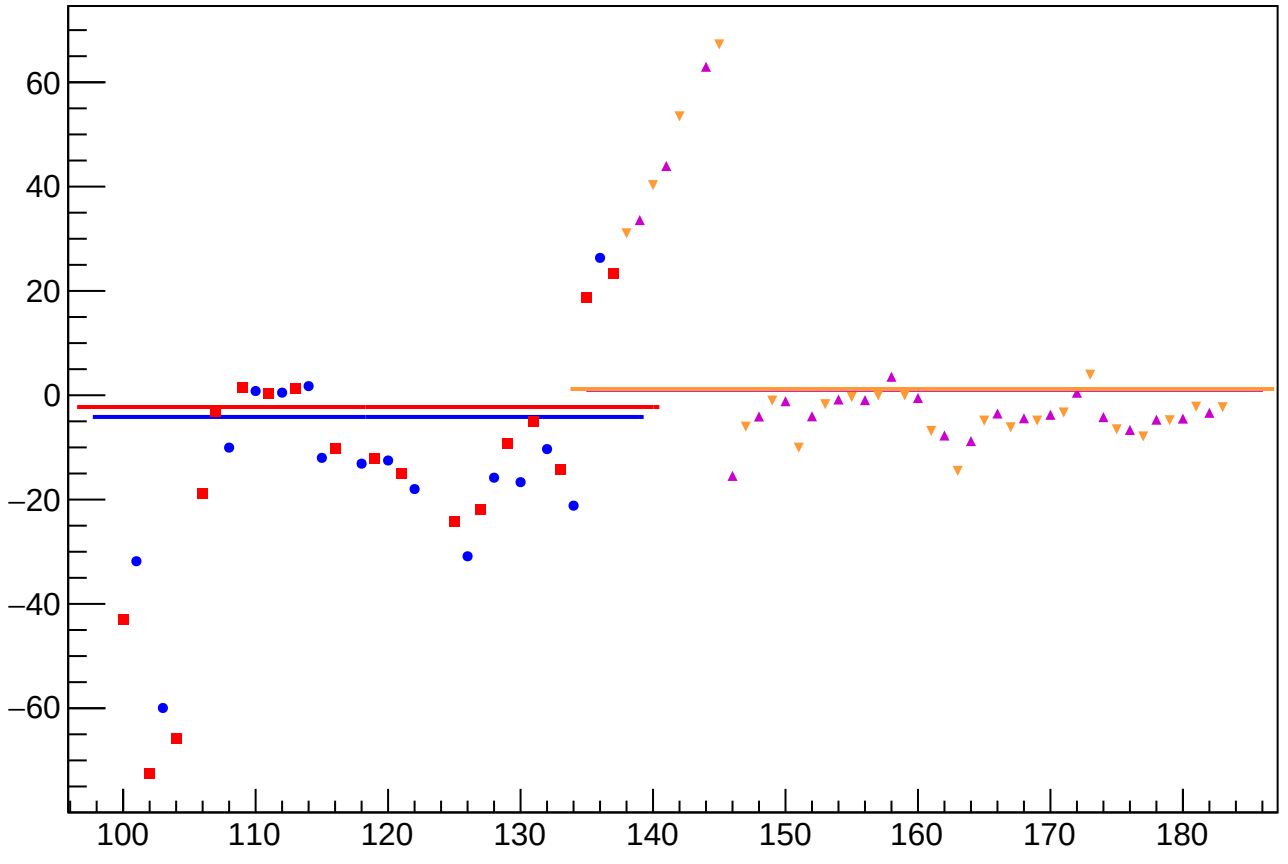
Left In: -0.313+/-0.012 χ^2/NDF:6852.9/21

+ sign -0.460+/-0.011 χ^2/NDF: 8978.6/38

All: -0.406+/-0.008 χ^2/NDF: 18360.5/78

- sign -0.358+/-0.011 χ^2/NDF: 9338.0/39


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.093+/-0.001 χ²/NDF: 11742.4/15
Left Out: -0.020+/-0.001 χ²/NDF:4031.4/22
Right Out: -0.056+/-0.001 χ²/NDF: 14457.4/17
Left In: -0.019+/-0.001 χ²/NDF:4732.4/21
+ sign -0.030+/-0.001 χ²/NDF: 18106.2/38
All: -0.027+/-0.000 χ²/NDF: 38064.1/78
- sign -0.024+/-0.000 χ²/NDF: 19896.2/39



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 1.195+/-0.041 χ^2/NDF:130552.0/22

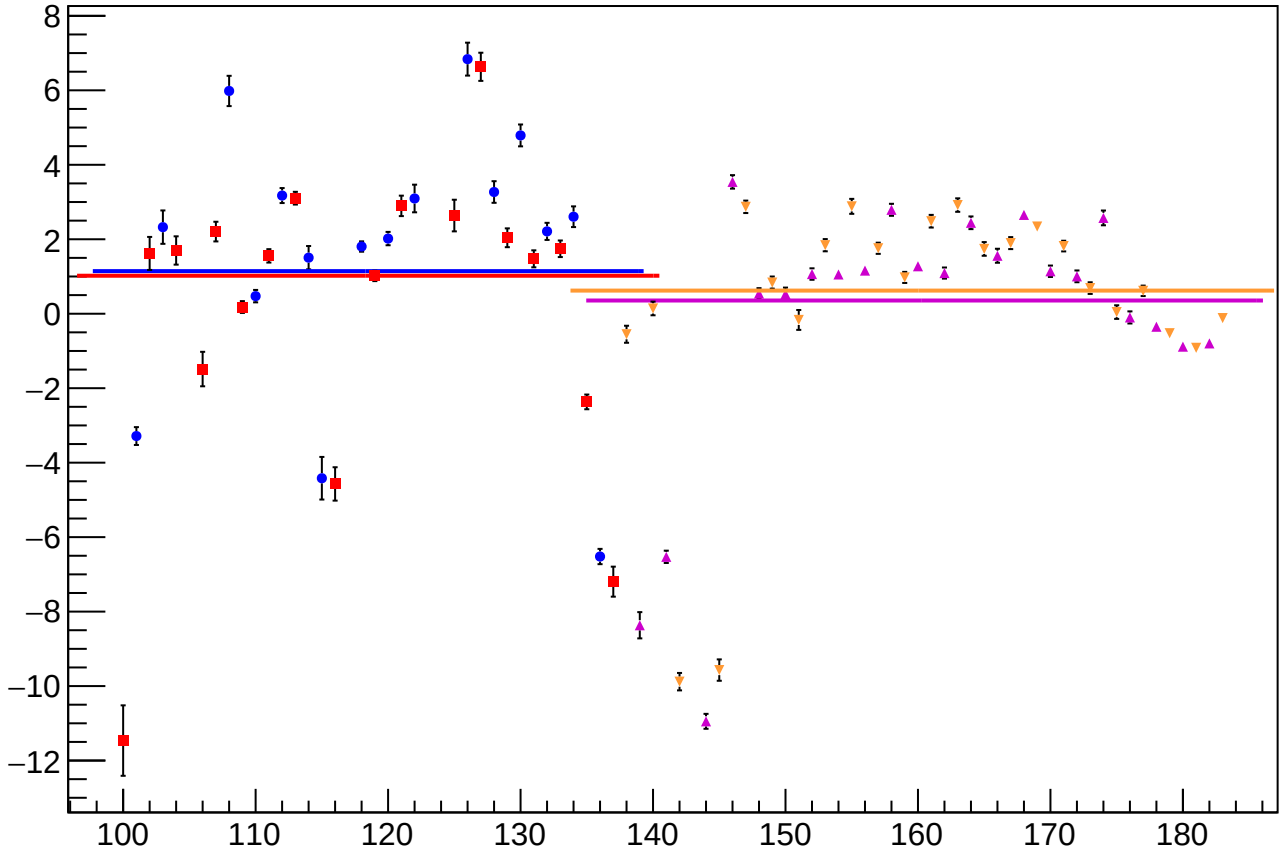
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 1.033+/-0.040 χ^2/NDF:132566.6/21

+ sign -0.748+/-0.033 χ^2/NDF: 212149.0/38

All: -0.561+/-0.022 χ^2/NDF: 427289.5/78

- sign -0.401+/-0.030 χ^2/NDF: 215080.3/39



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.622+/-0.034 χ^2/NDF:4673.7/22

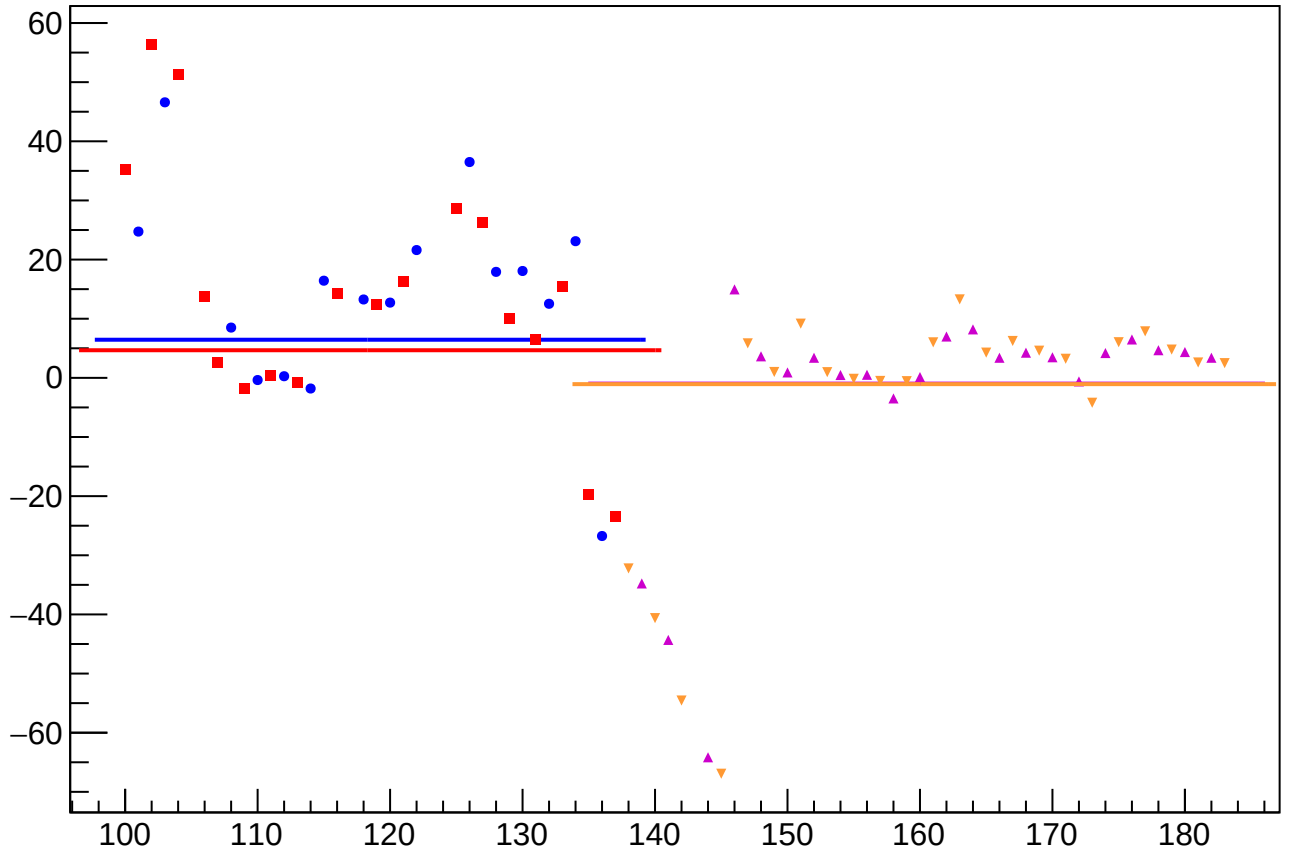
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.355+/-0.032 χ^2/NDF:7118.7/21

+ sign 0.746+/-0.029 χ^2/NDF: 7326.6/38

All: 0.622+/-0.020 χ^2/NDF: 16174.1/78

- sign 0.511+/-0.028 χ^2/NDF: 8813.8/39



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -1.062+/-0.041 χ^2/NDF:125883.9/22

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

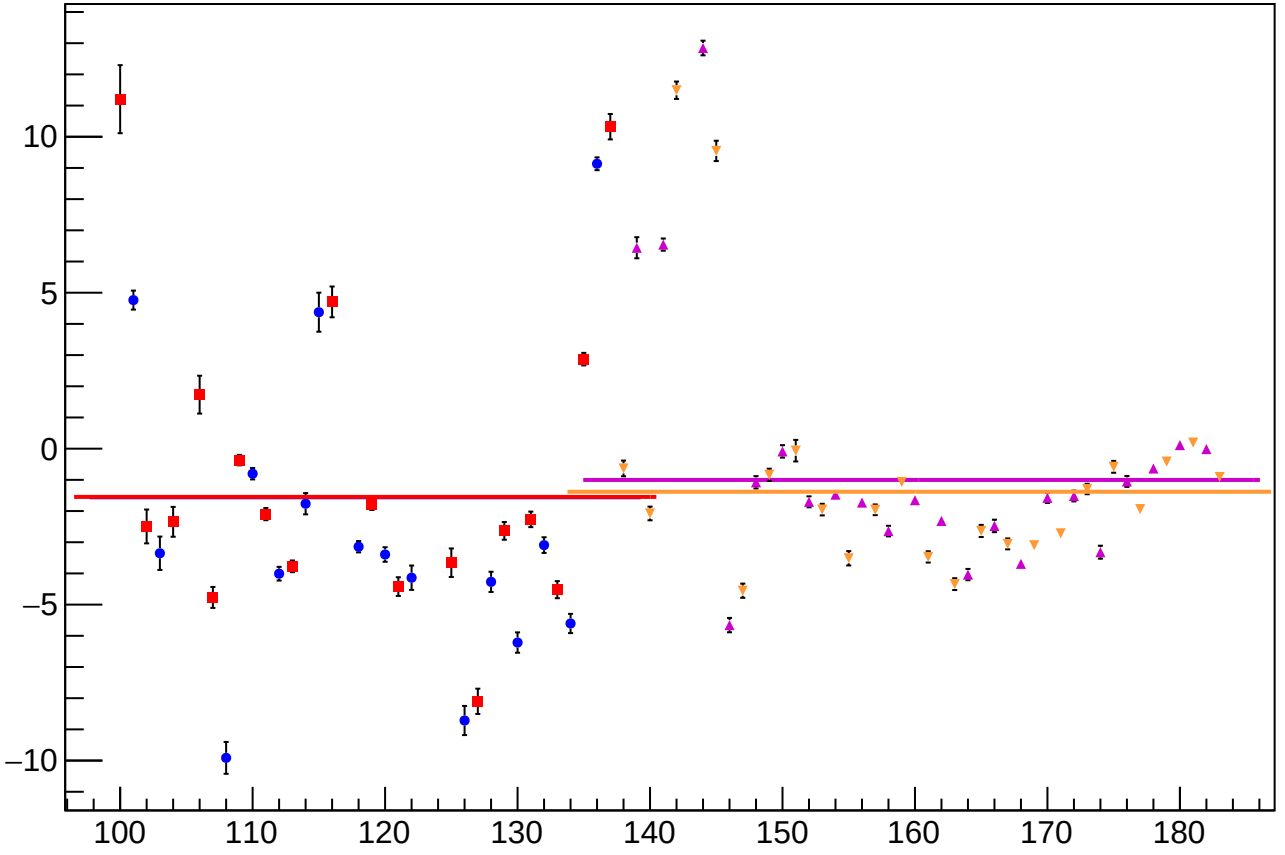
Left In: -0.970+/-0.040 χ^2/NDF:129232.0/21

\+ sign 1.079+/-0.035 χ^2/NDF: 206275.9/38

All: 0.930+/-0.024 χ^2/NDF: 416241.9/78

\- sign 0.795+/-0.033 χ^2/NDF: 209930.9/39

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.381+/-0.037 χ^2/NDF:4582.7/22

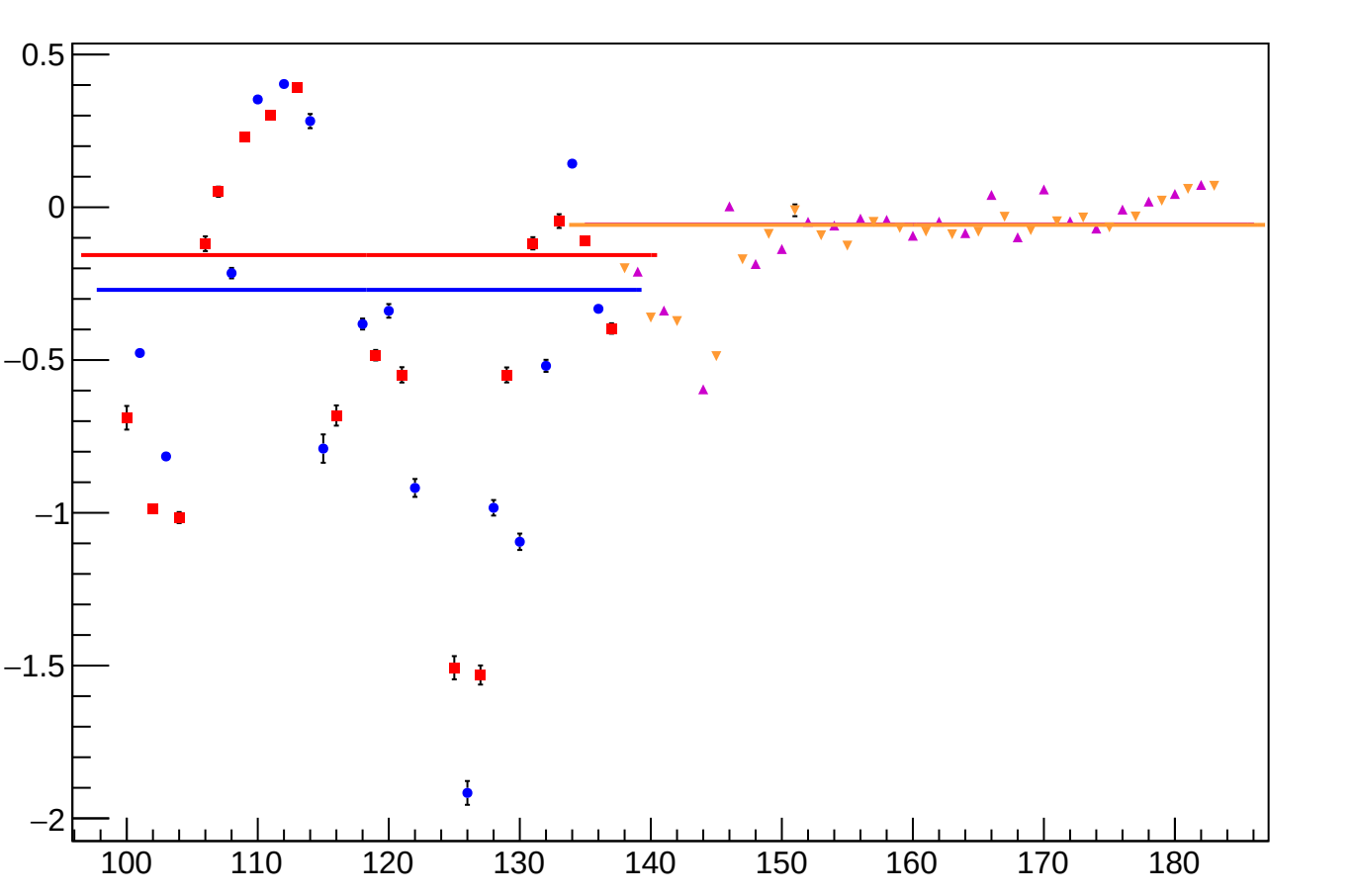
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.003+/-0.035 χ^2/NDF:7024.3/21

+ sign -1.421+/-0.033 χ^2/NDF: 9130.9/38

All: -1.266+/-0.022 χ^2/NDF: 18722.6/78

- sign -1.127+/-0.031 χ^2/NDF: 9549.2/39



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.058+/-0.002 χ^2/NDF:4133.5/22

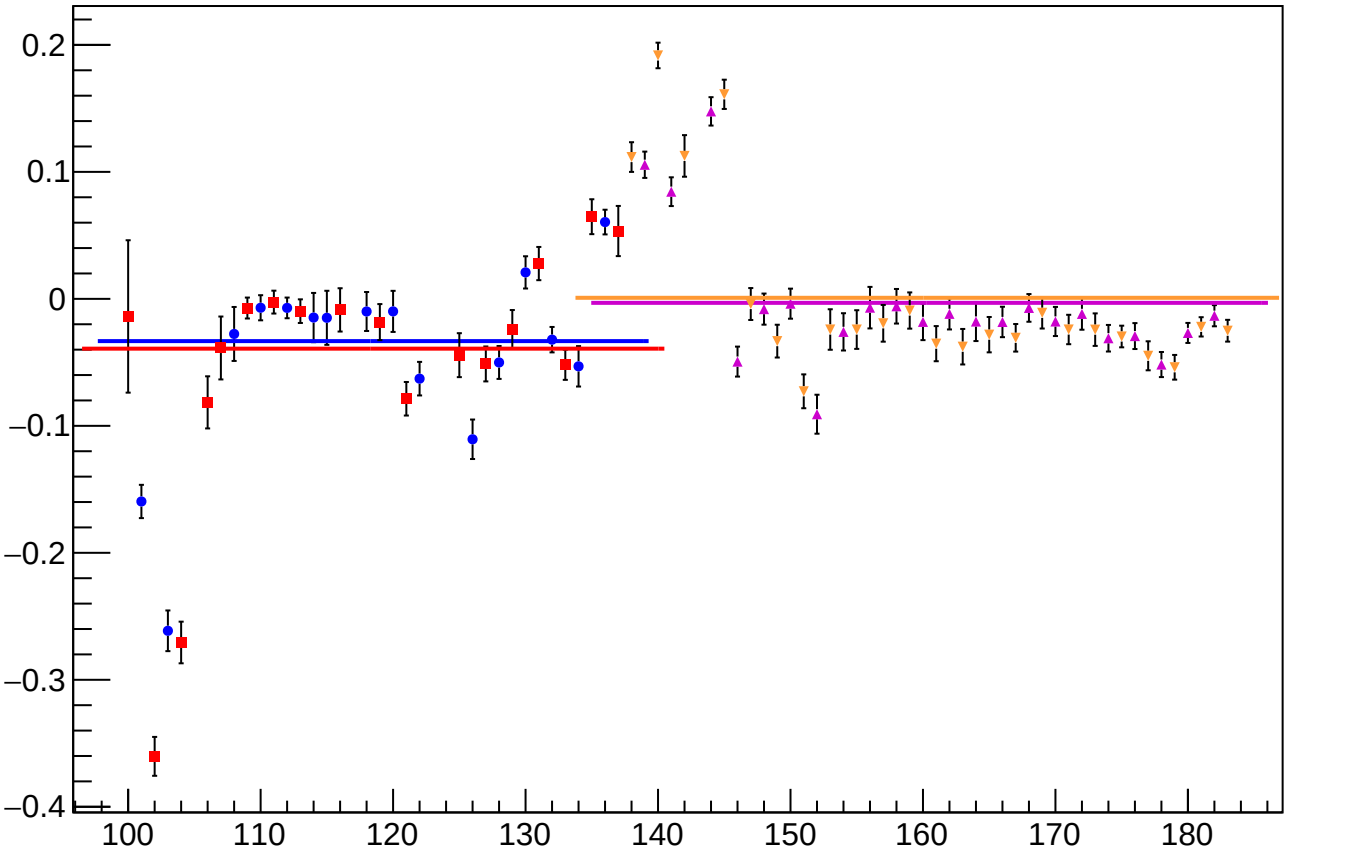
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.056+/-0.002 χ^2/NDF:4854.7/21

+ sign -0.086+/-0.002 χ^2/NDF: 18523.0/38

All: -0.077+/-0.001 χ^2/NDF: 39073.4/78

- sign -0.070+/-0.001 χ^2/NDF: 20489.7/39



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/22

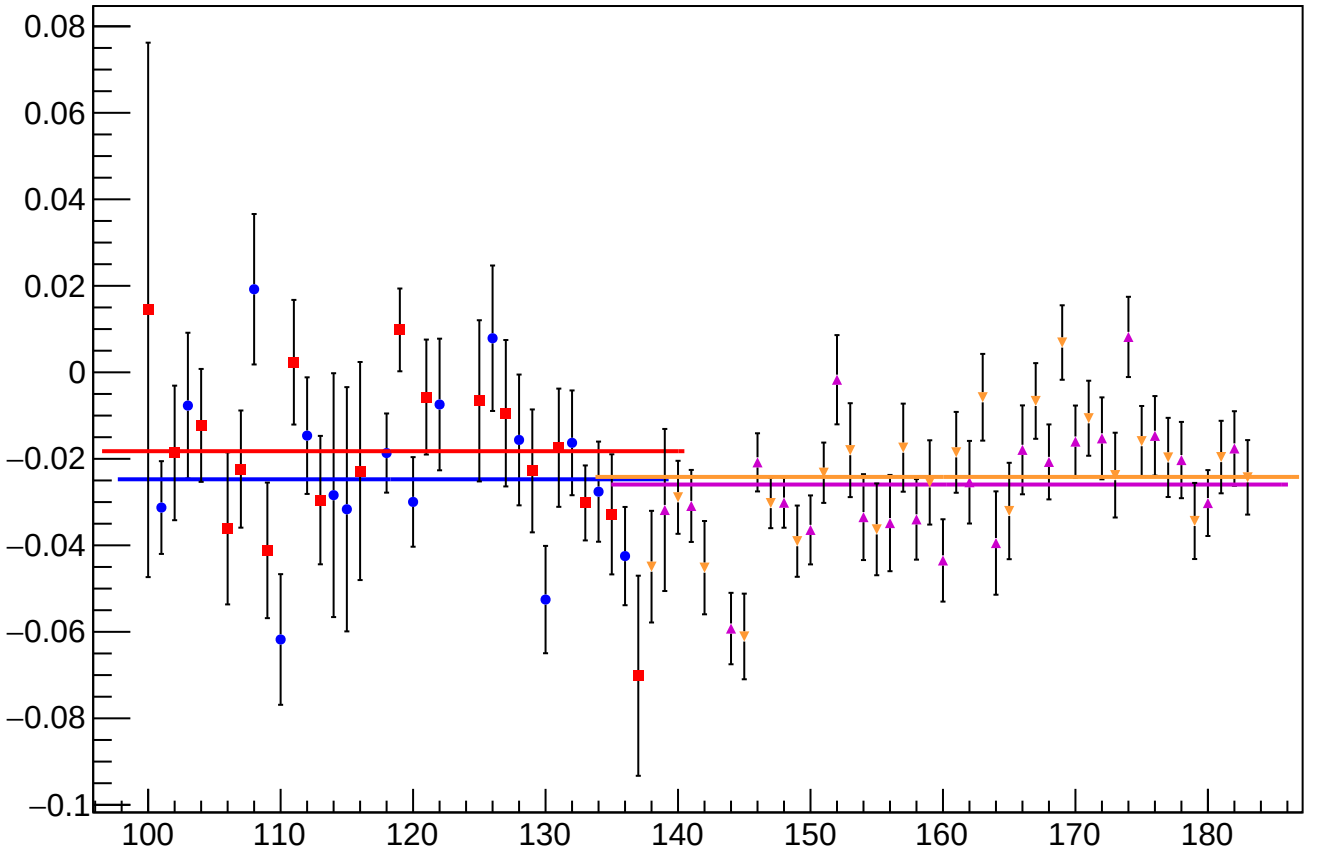
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: -0.003+/-0.002 χ^2/NDF:457.5/21

+ sign -0.011+/-0.002 χ^2/NDF: 1385.1/38

All: -0.014+/-0.001 χ^2/NDF: 2734.6/78

- sign -0.016+/-0.002 χ^2/NDF: 1346.1/39



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/22

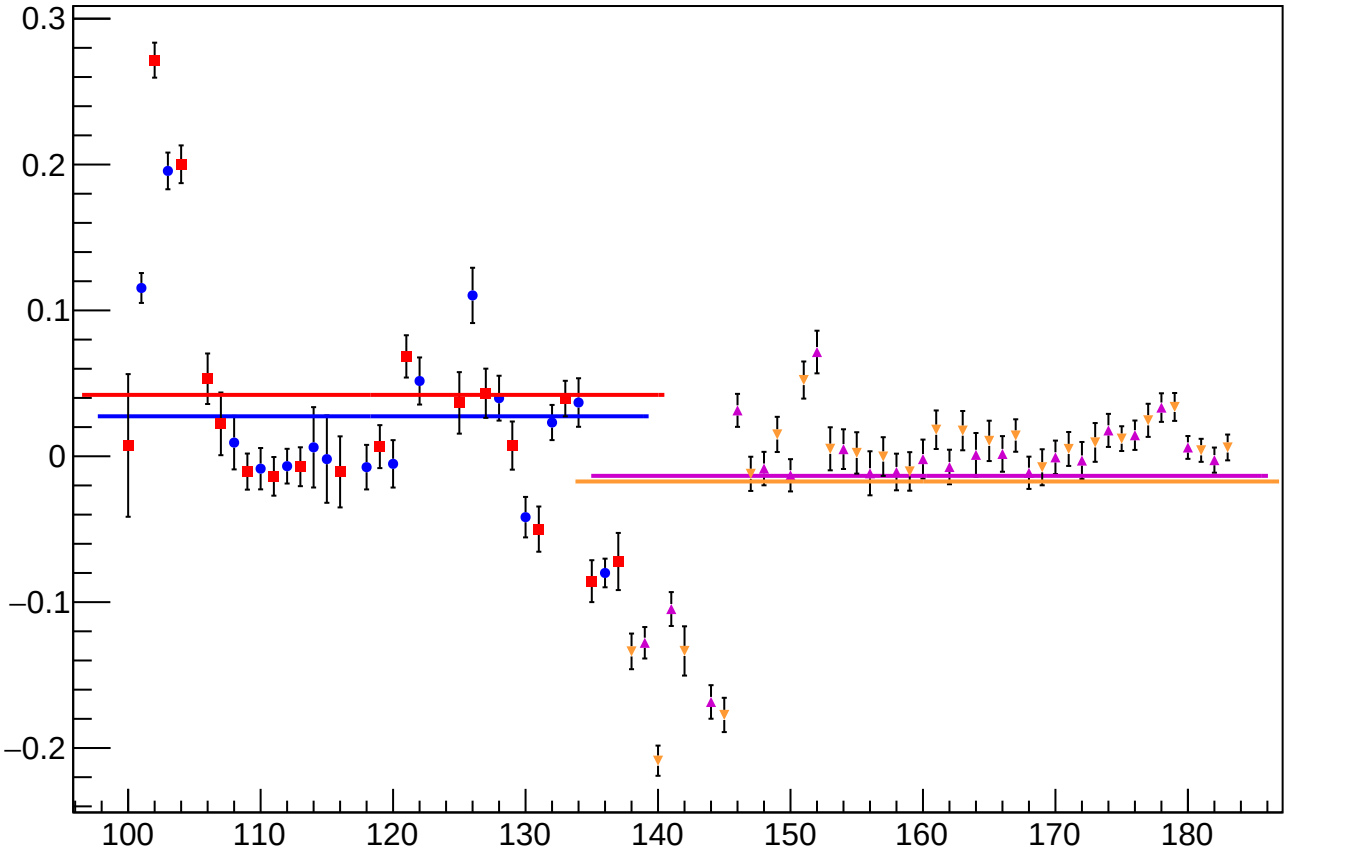
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:52.1/21

+ sign -0.024+/-0.002 χ^2/NDF: 82.2/38

All: -0.024+/-0.001 χ^2/NDF: 163.0/78

- sign -0.024+/-0.002 χ^2/NDF: 80.7/39



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.017+/-0.002 χ^2/NDF:811.8/22

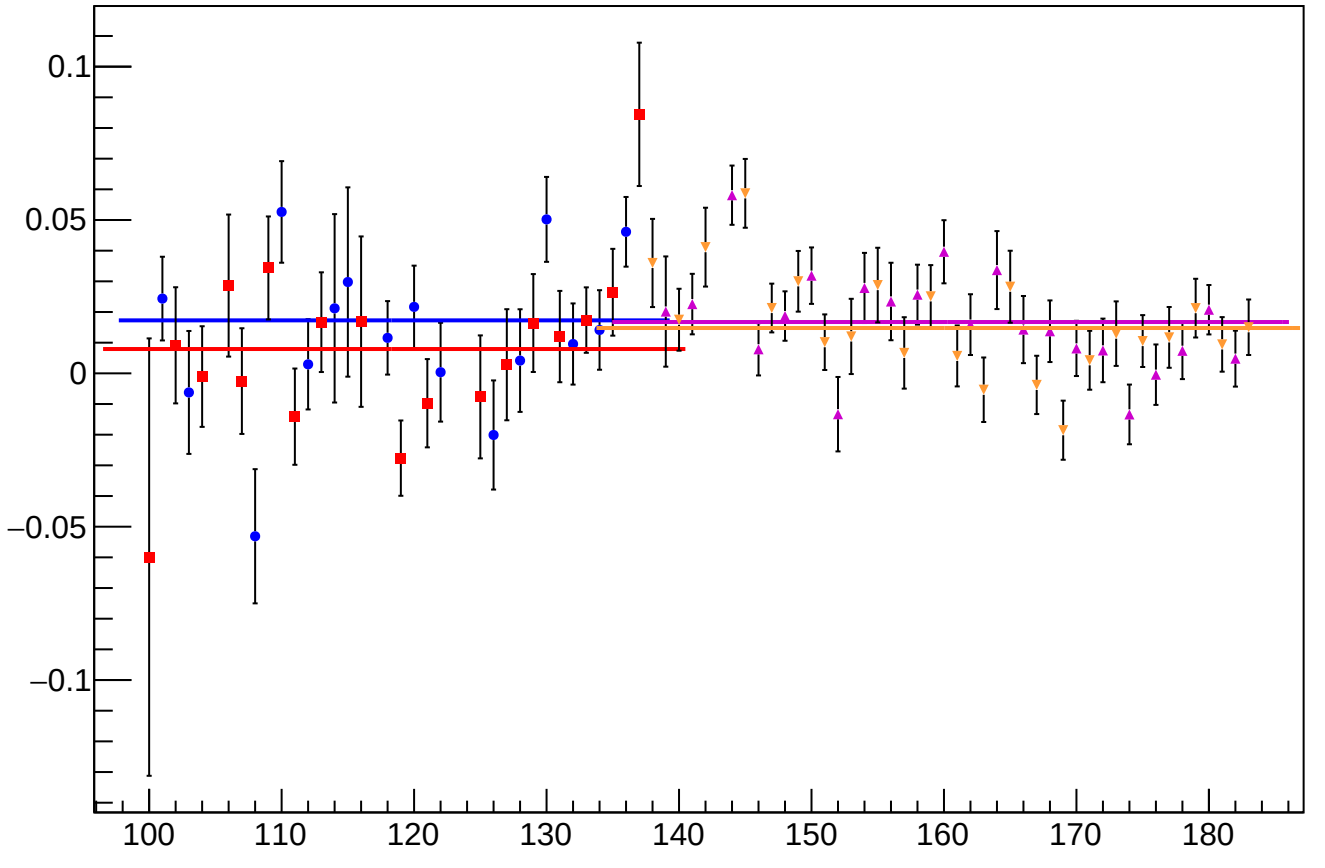
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.013+/-0.002 χ^2/NDF:458.5/21

+ sign -0.003+/-0.002 χ^2/NDF: 1365.6/38

All: 0.000+/-0.001 χ^2/NDF: 2724.9/78

- sign 0.004+/-0.002 χ^2/NDF: 1353.3/39



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.9/22

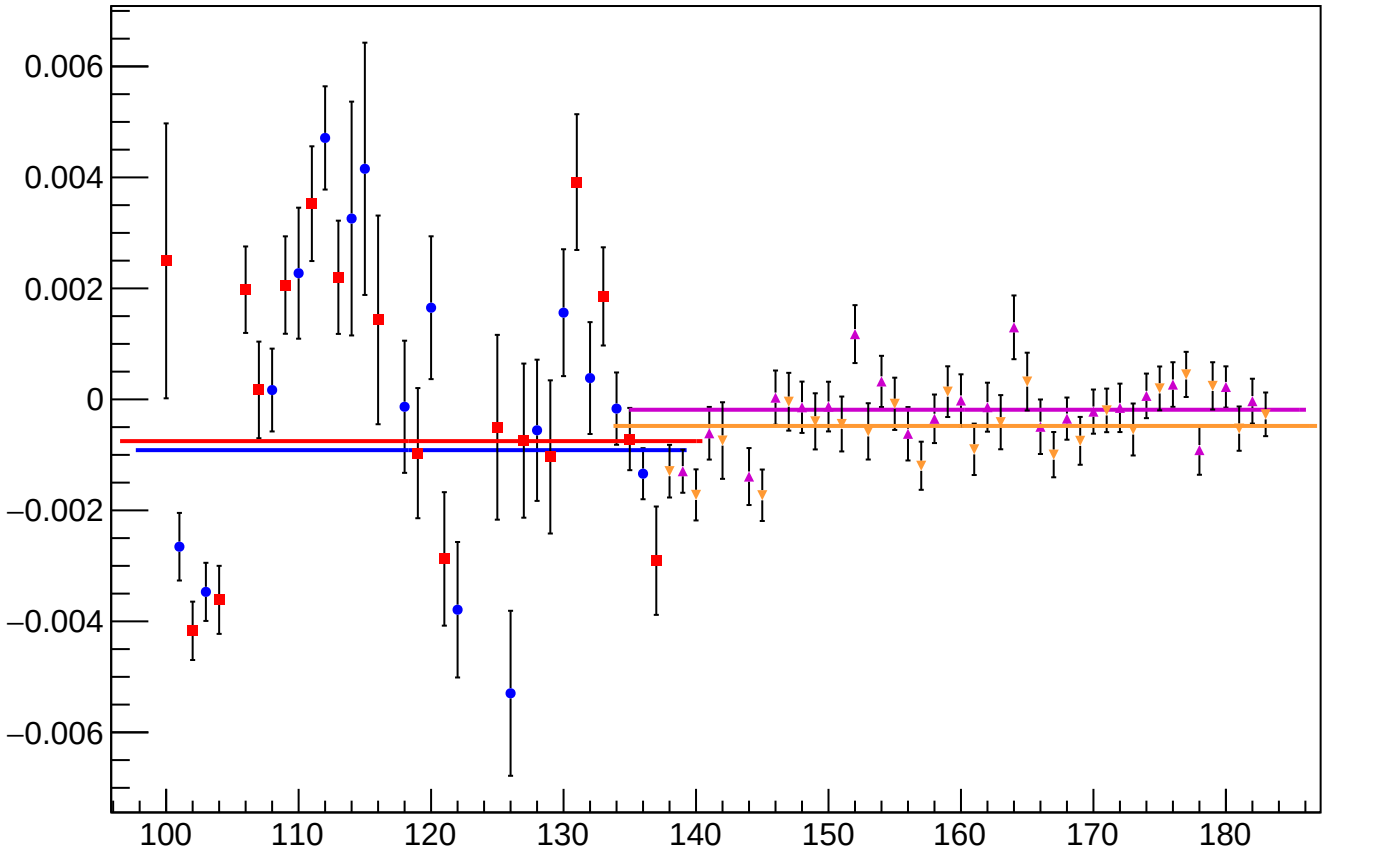
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.017+/-0.002 χ^2/NDF:54.9/21

+ sign 0.015+/-0.002 χ^2/NDF: 88.9/38

All: 0.015+/-0.001 χ^2/NDF: 179.2/78

- sign 0.015+/-0.002 χ^2/NDF: 90.3/39



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.7/22

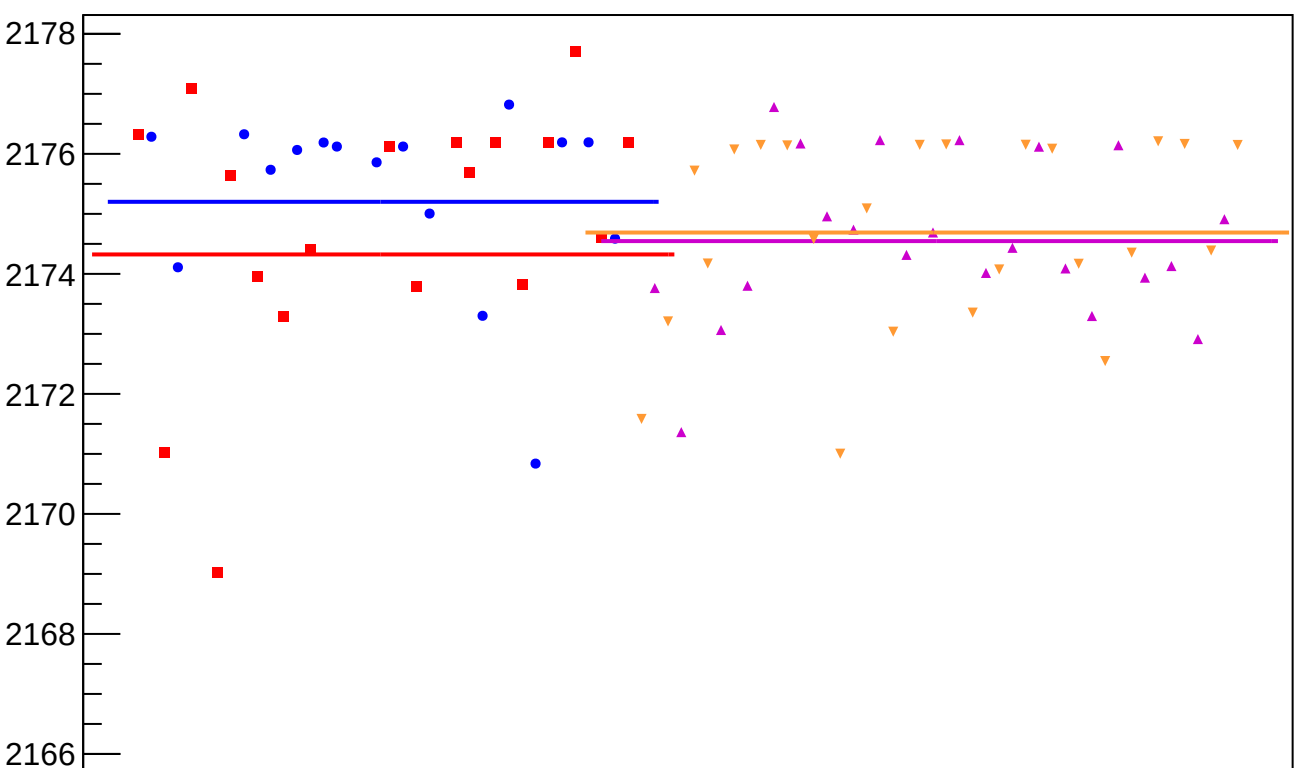
Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:36.7/21

+ sign -0.001+/-0.000 χ^2/NDF: 158.3/38

All: -0.000+/-0.000 χ^2/NDF: 353.5/78

- sign -0.000+/-0.000 χ^2/NDF: 190.2/39



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.689+/-0.000 χ^2/NDF:48898289461128796882028446309416 96.0/23

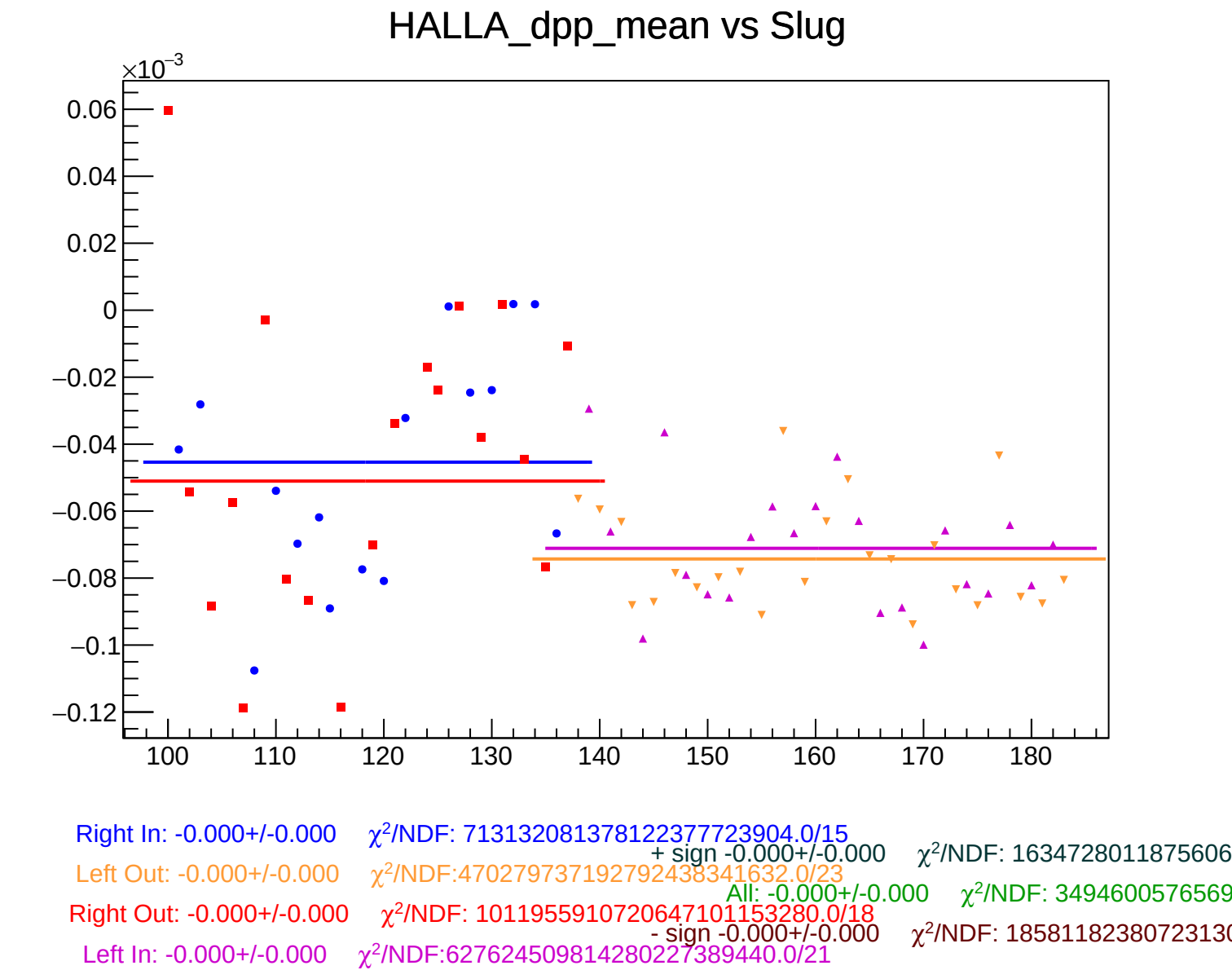
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.546+/-0.000 χ^2/NDF:335008105417157455566814606000128 0.0/21

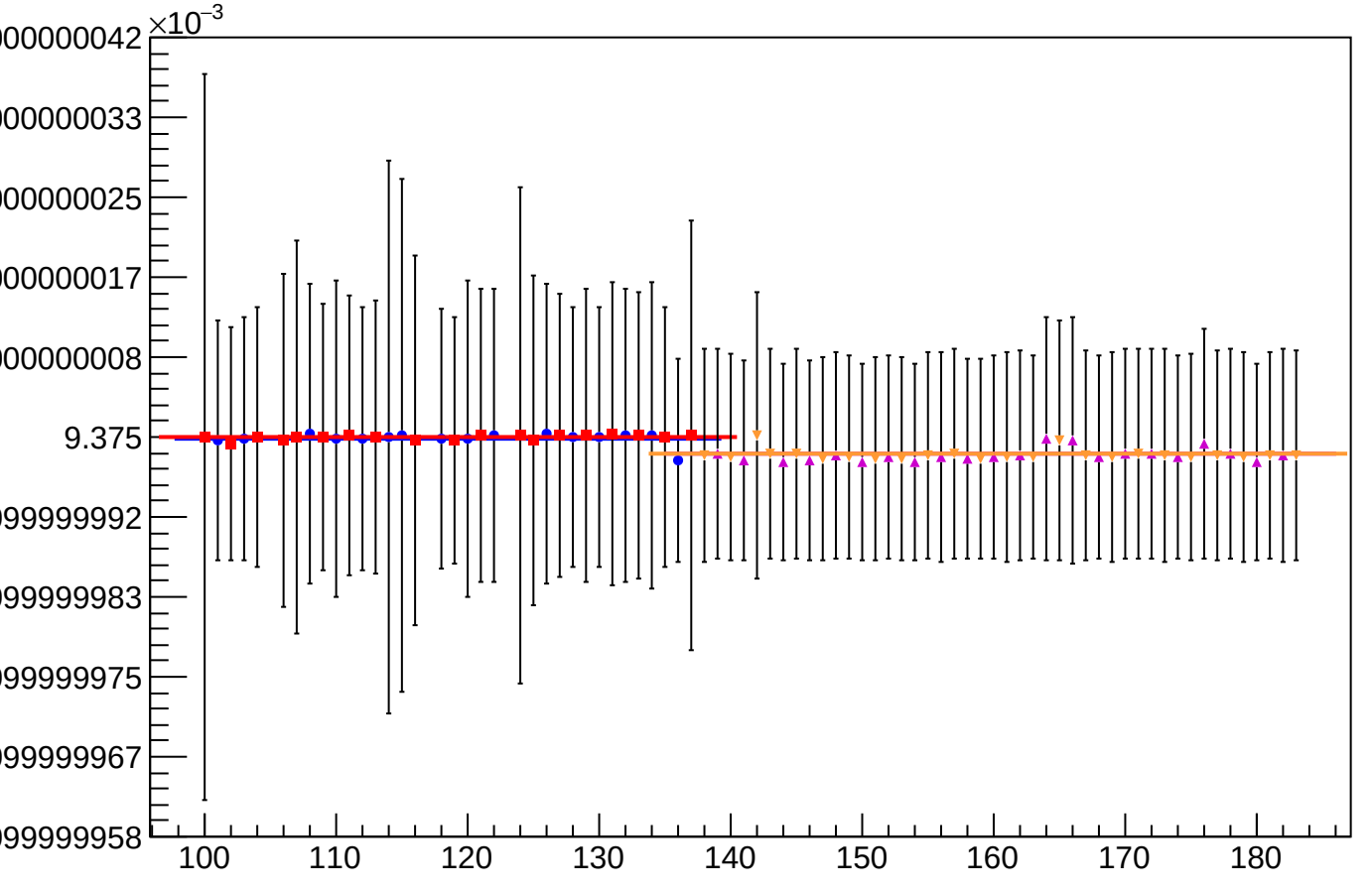
+ sign 2174.828+/-0.000 χ^2/NDF: 6797076978058

All: 2174.658+/-0.000 χ^2/NDF: 158768447

- sign 2174.482+/-0.000 χ^2/NDF: 89191390040753


HALLA_dpp_mean vs Slug
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4702797371927924383416320.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: -0.000+/-0.000 χ²/NDF:6276245098142802273894400.0/21
+ sign -0.000+/-0.000 χ²/NDF: 16347280118756060
All: -0.000+/-0.000 χ²/NDF: 3494600576569
- sign -0.000+/-0.000 χ²/NDF: 185811823807231300

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/23

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

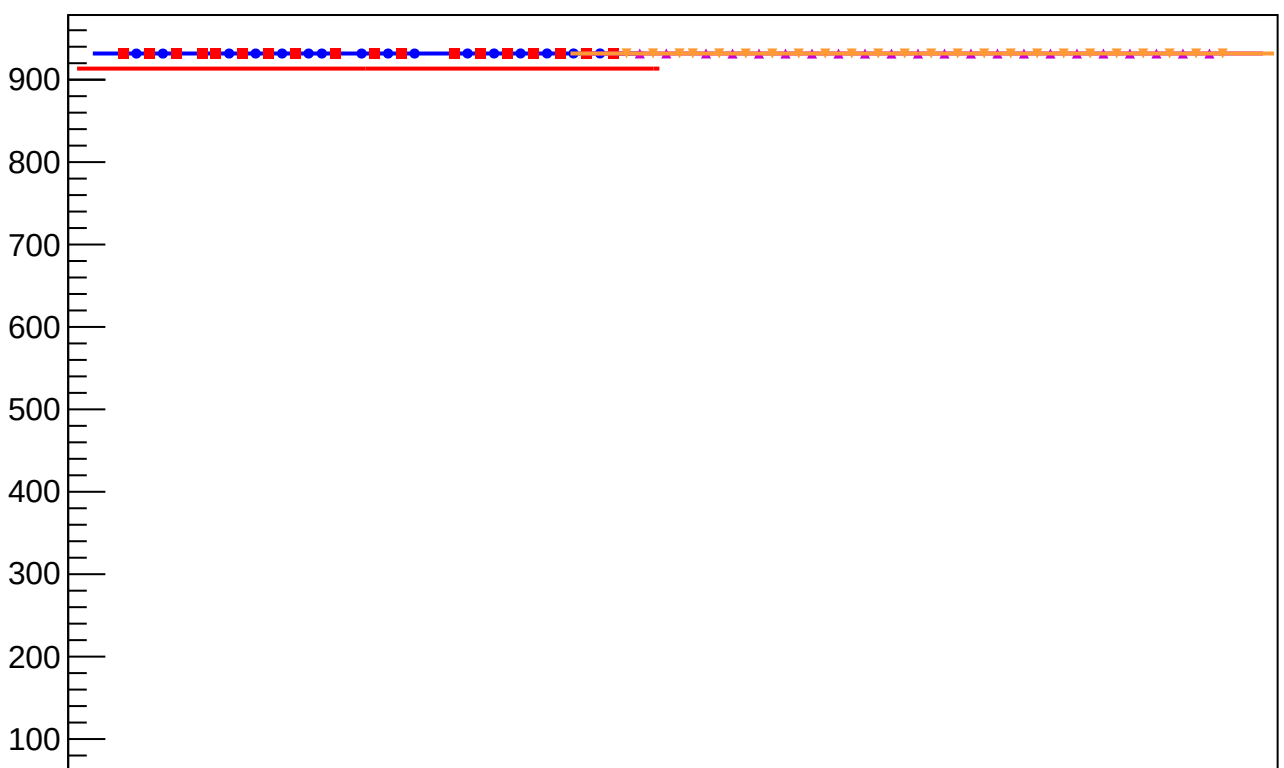
Left In: 0.009+/-0.000 χ^2/NDF:0.1/21

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.5/80

- sign 0.009+/-0.000 χ^2/NDF: 0.3/40

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.781+/-0.000 χ^2/NDF: 712126840892327

Left Out: 931.785+/-0.000 χ^2/NDF:42214038033346576746692875386880.0/23

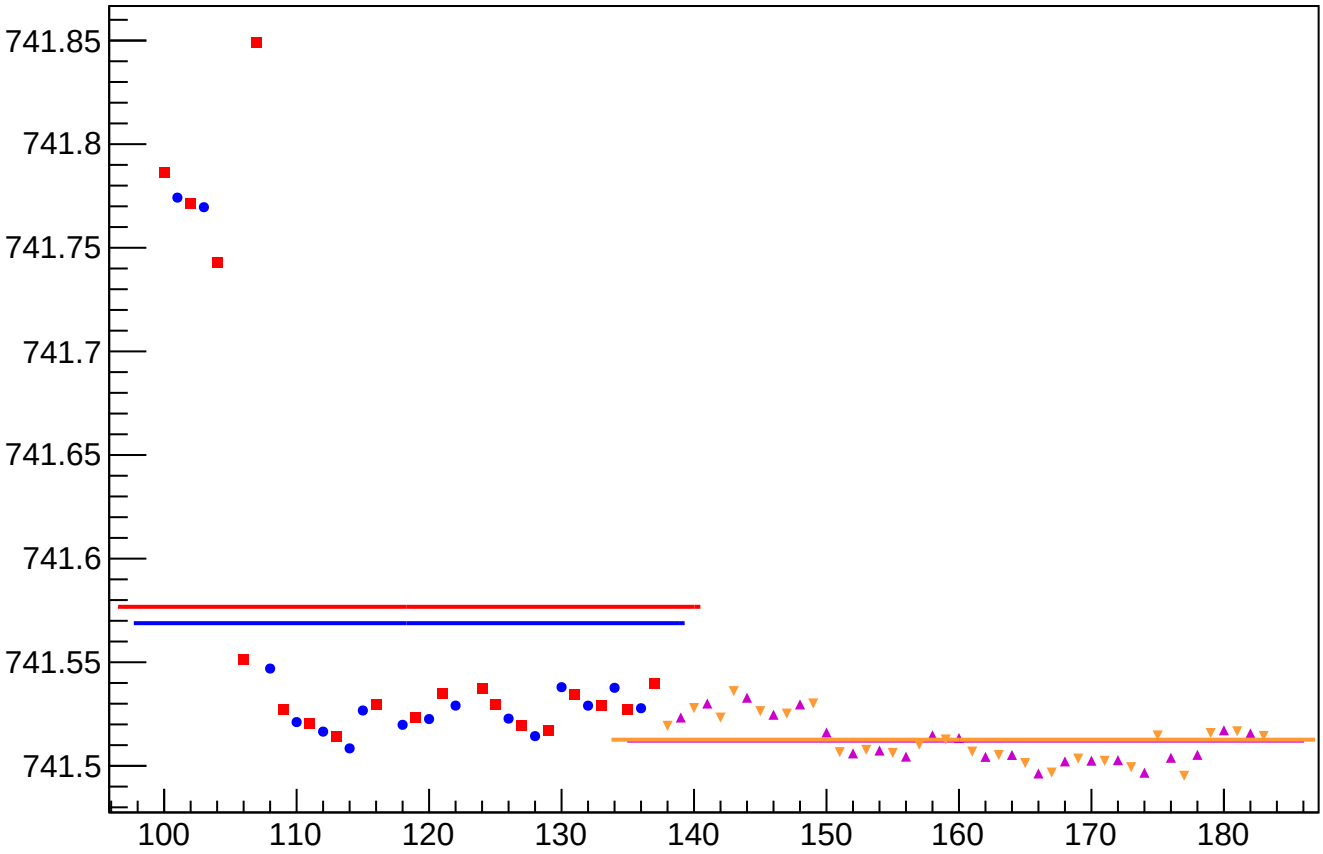
All: 929.175+/-0.000 χ^2/NDF: 12985896171

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 926.476+/-0.000 χ^2/NDF: 129481244651062

Left In: 931.778+/-0.000 χ^2/NDF:38236703381627131339997687316480.0/21

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.513+/-0.000 χ^2/NDF:2364812158379302251068118794 24.0/23

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

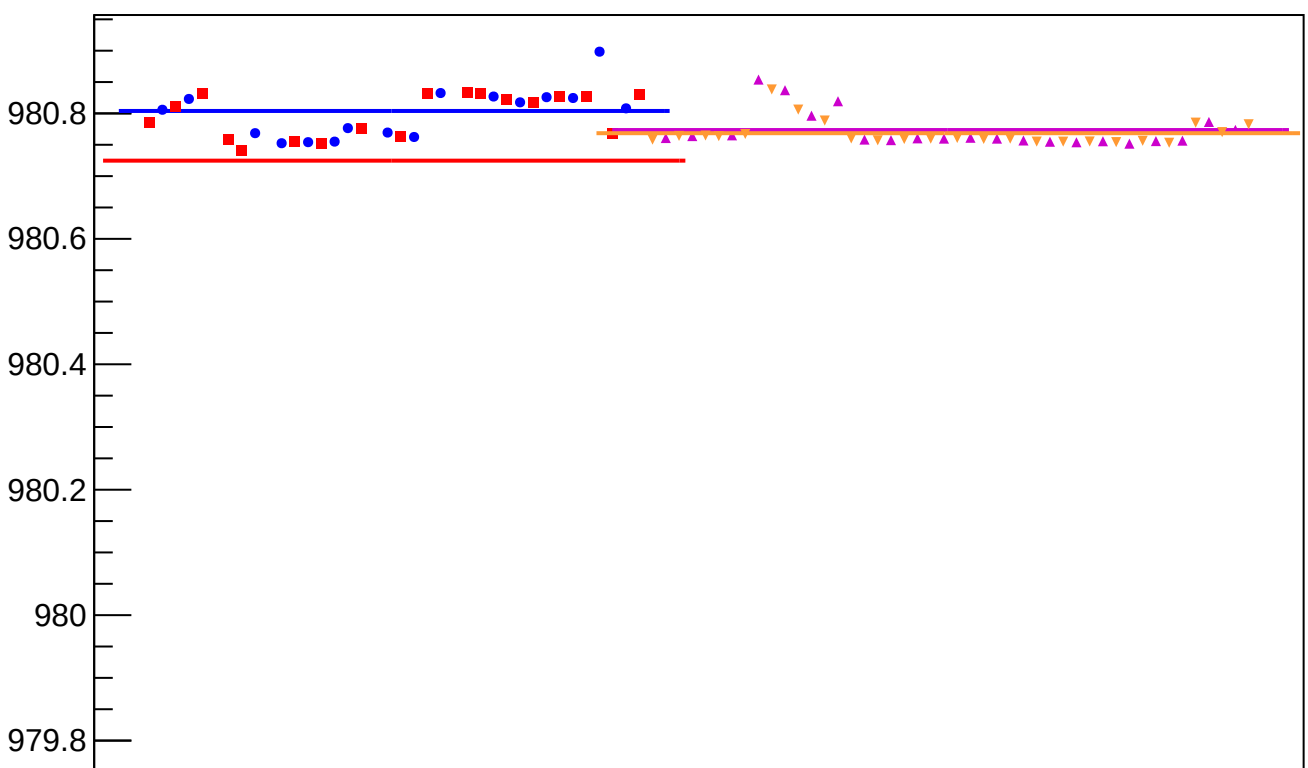
Left In: 741.512+/-0.000 χ^2/NDF:215784506849746034255630172160.0/21

+ sign 741.528+/-0.000 χ^2/NDF: 837591277907576

All: 741.529+/-0.000 χ^2/NDF: 1855812400 65

- sign 741.531+/-0.000 χ^2/NDF: 101704406234435

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.768+/-0.000 χ^2/NDF:7857866638142249259360269107200.0/23

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

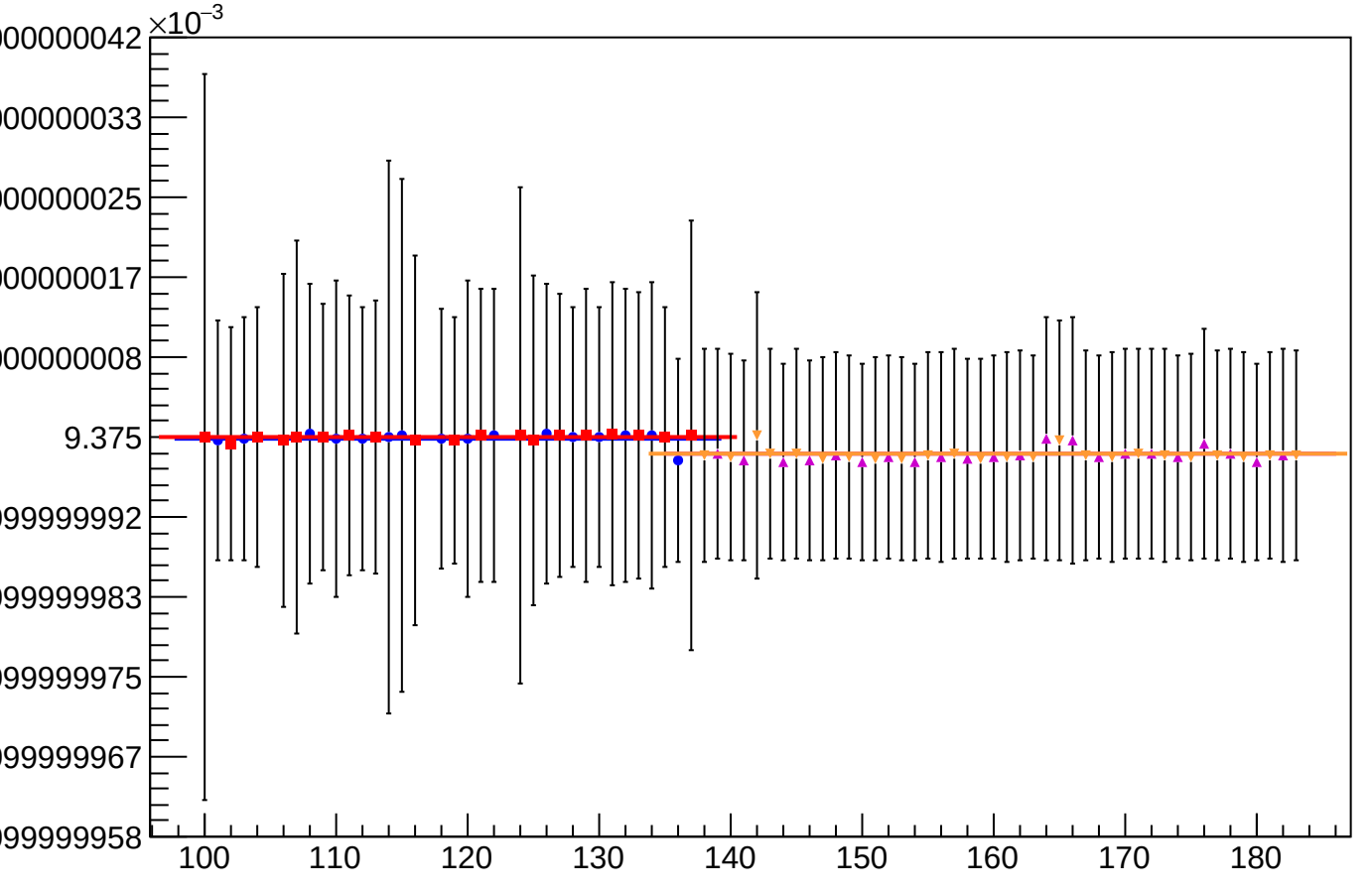
Left In: 980.773+/-0.000 χ^2/NDF:151245975520559514122065018880 0.0/21

+ sign 980.778+/-0.000 χ^2/NDF: 239793582771104

All: 980.769+/-0.000 χ^2/NDF: 617112942105

- sign 980.759+/-0.000 χ^2/NDF: 588444632089382

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/23

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

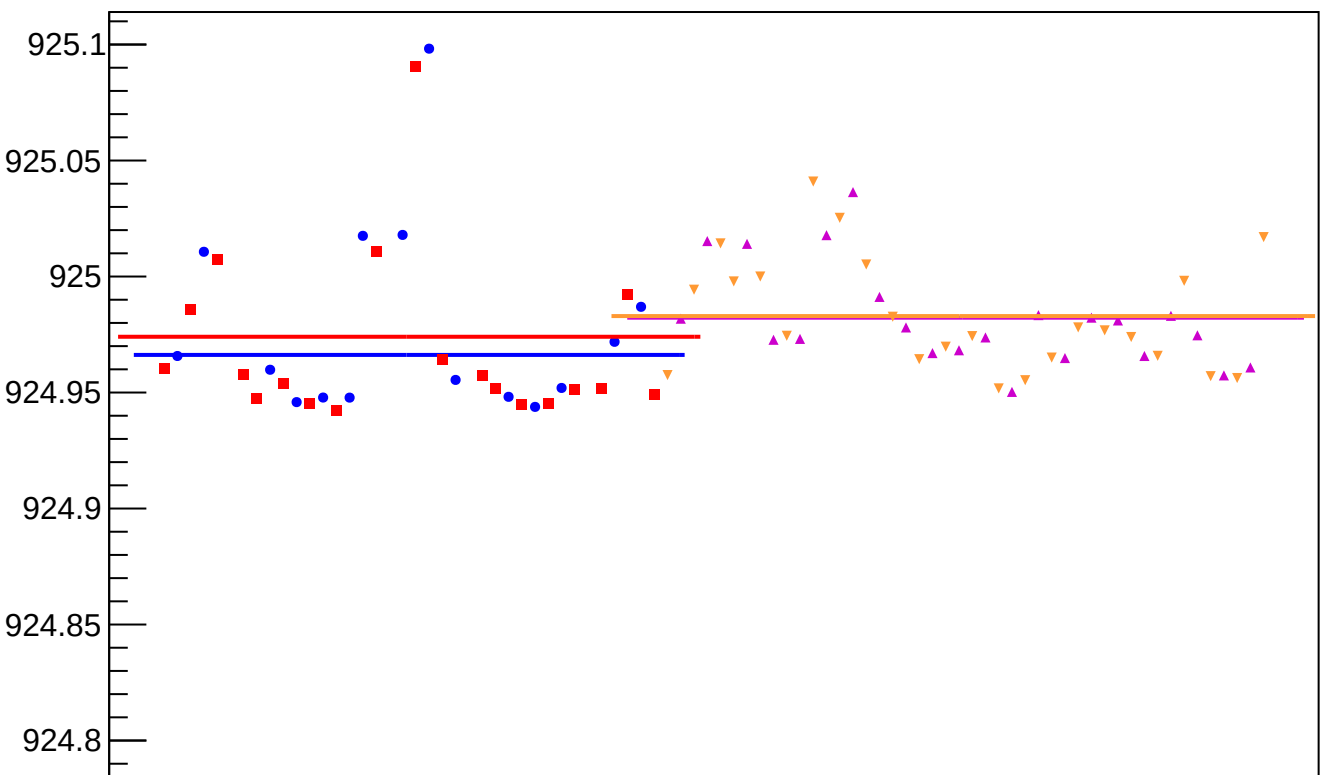
Left In: 0.009+/-0.000 χ^2/NDF:0.1/21

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.5/80

- sign 0.009+/-0.000 χ^2/NDF: 0.3/40

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.983+/-0.000 χ^2/NDF:1142324810783897606099600146432.0/23

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

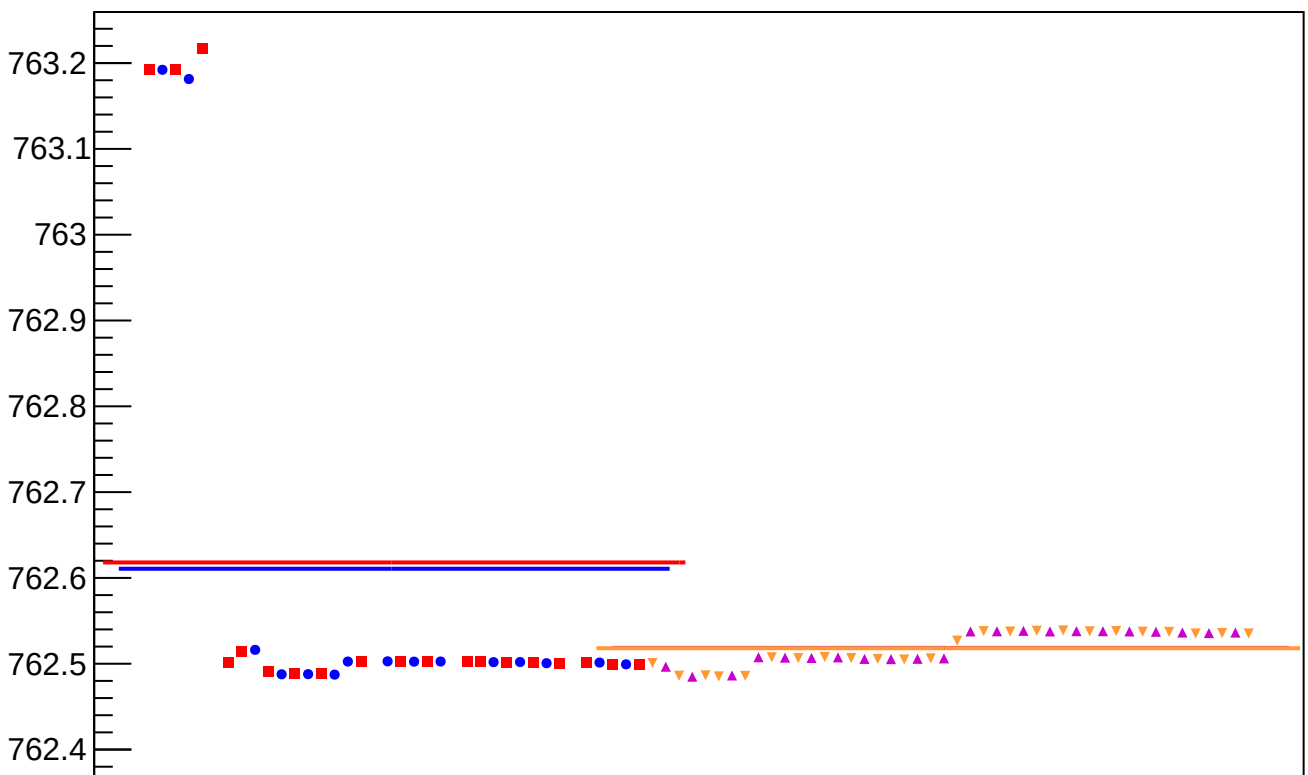
Left In: 924.982+/-0.000 χ^2/NDF:864143419815956356205067108352.0/21

+ sign 924.978+/-0.000 χ^2/NDF: 383802883727194

All: 924.979+/-0.000 χ^2/NDF: 5983726627 92

- sign 924.980+/-0.000 χ^2/NDF: 214278732926051

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

+ sign 762.543+/-0.000 χ^2/NDF: 575553972286218

Left Out: 762.518+/-0.000 χ^2/NDF:760306655191977397488308977664.0/23

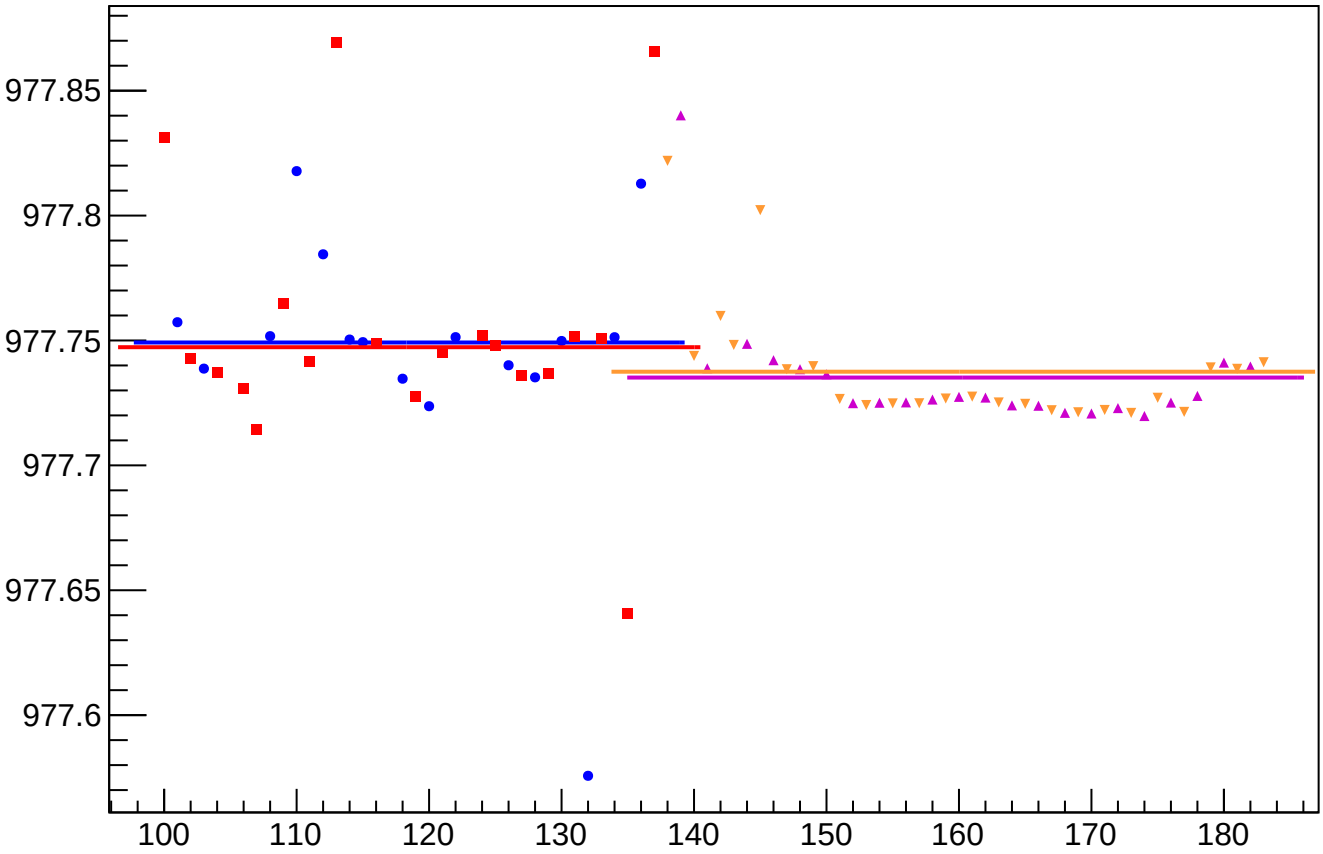
All: 762.545+/-0.000 χ^2/NDF: 11675258899

Right Out: 762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

- sign 762.547+/-0.000 χ^2/NDF: 591749873177852

Left In: 762.518+/-0.000 χ^2/NDF:66165106340768159950575553740 8.0/21

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.737+/-0.000 χ^2/NDF:1177706453072371651394152693760.0/23

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

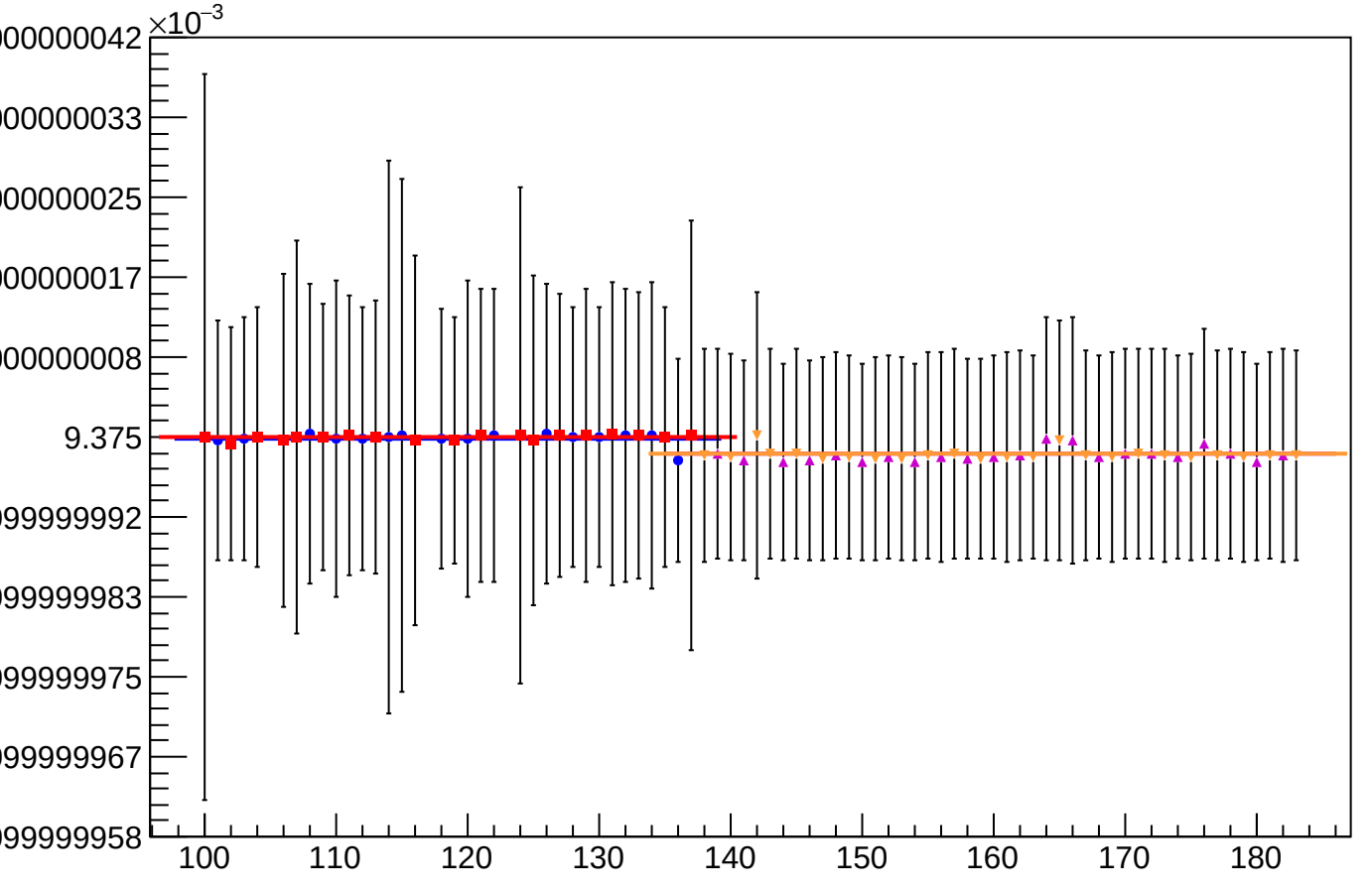
Left In: 977.735+/-0.000 χ^2/NDF:109596743287056203673152310476 8.0/21

+ sign 977.741+/-0.000 χ^2/NDF: 321118622684692

All: 977.740+/-0.000 χ^2/NDF: 617486830070

- sign 977.739+/-0.000 χ^2/NDF: 295830435111882

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/23

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

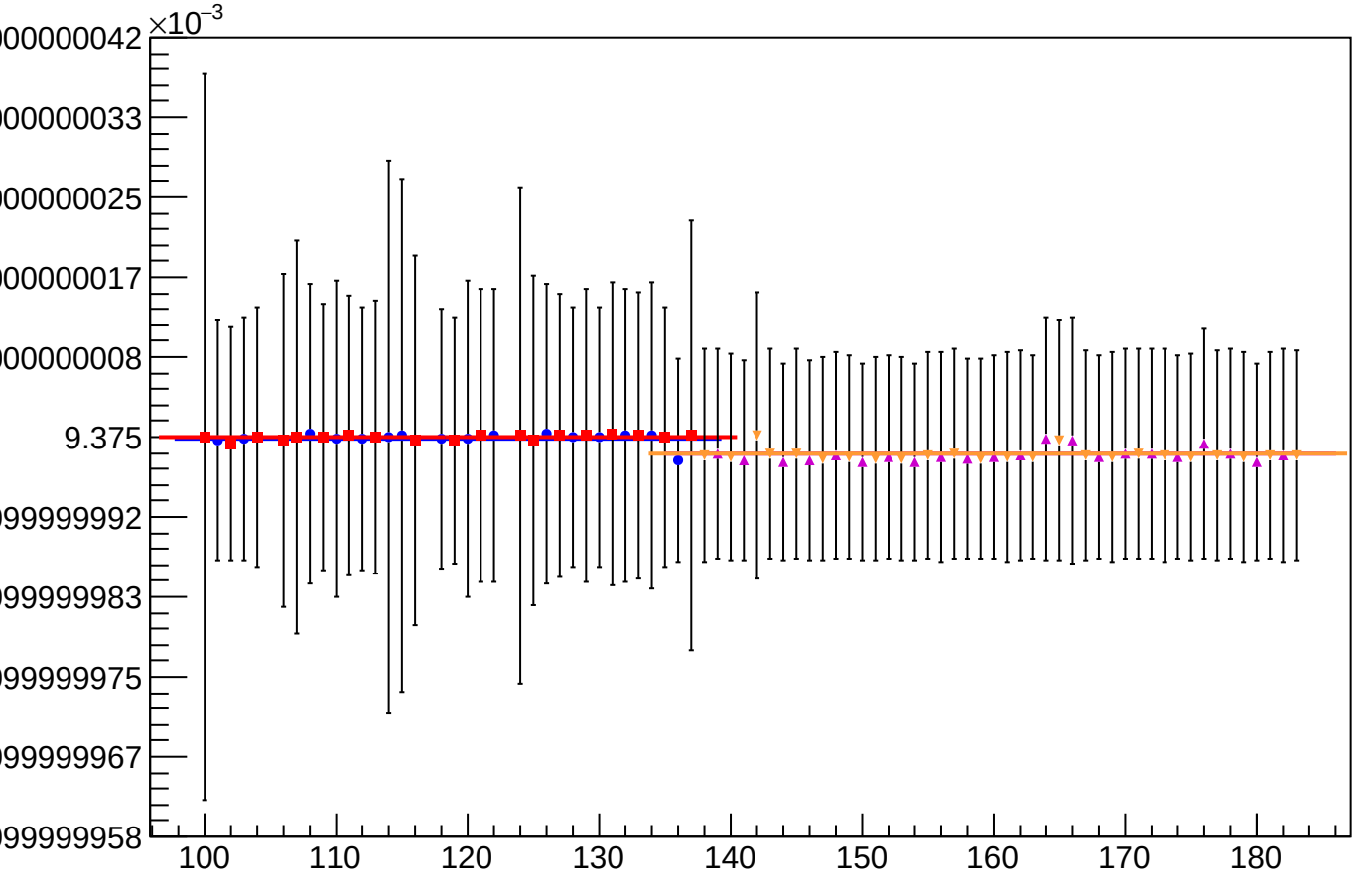
Left In: 0.009+/-0.000 χ^2/NDF:0.1/21

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.5/80

- sign 0.009+/-0.000 χ^2/NDF: 0.3/40

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/23

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

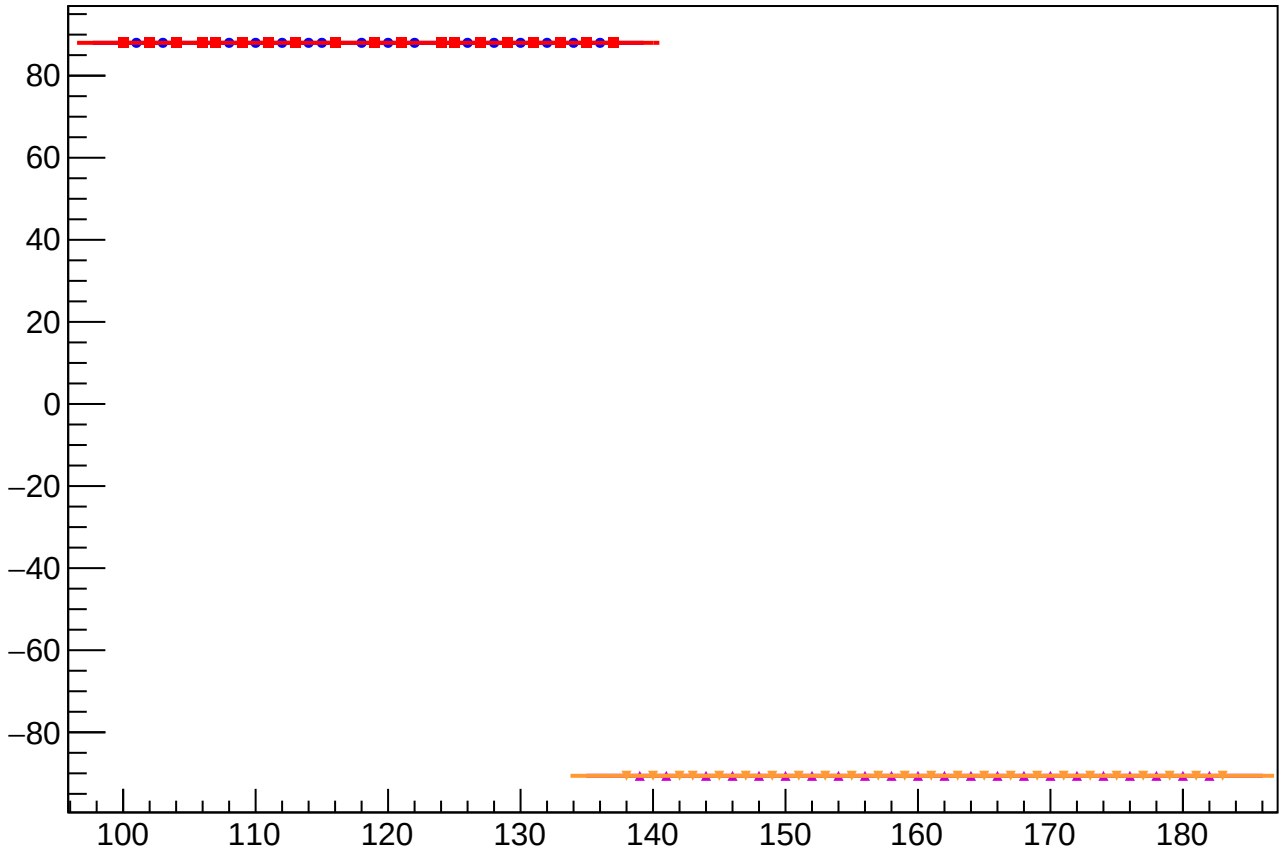
Left In: 0.009+/-0.000 χ^2/NDF:0.1/21

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.5/80

- sign 0.009+/-0.000 χ^2/NDF: 0.3/40

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:4434382.8/23

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

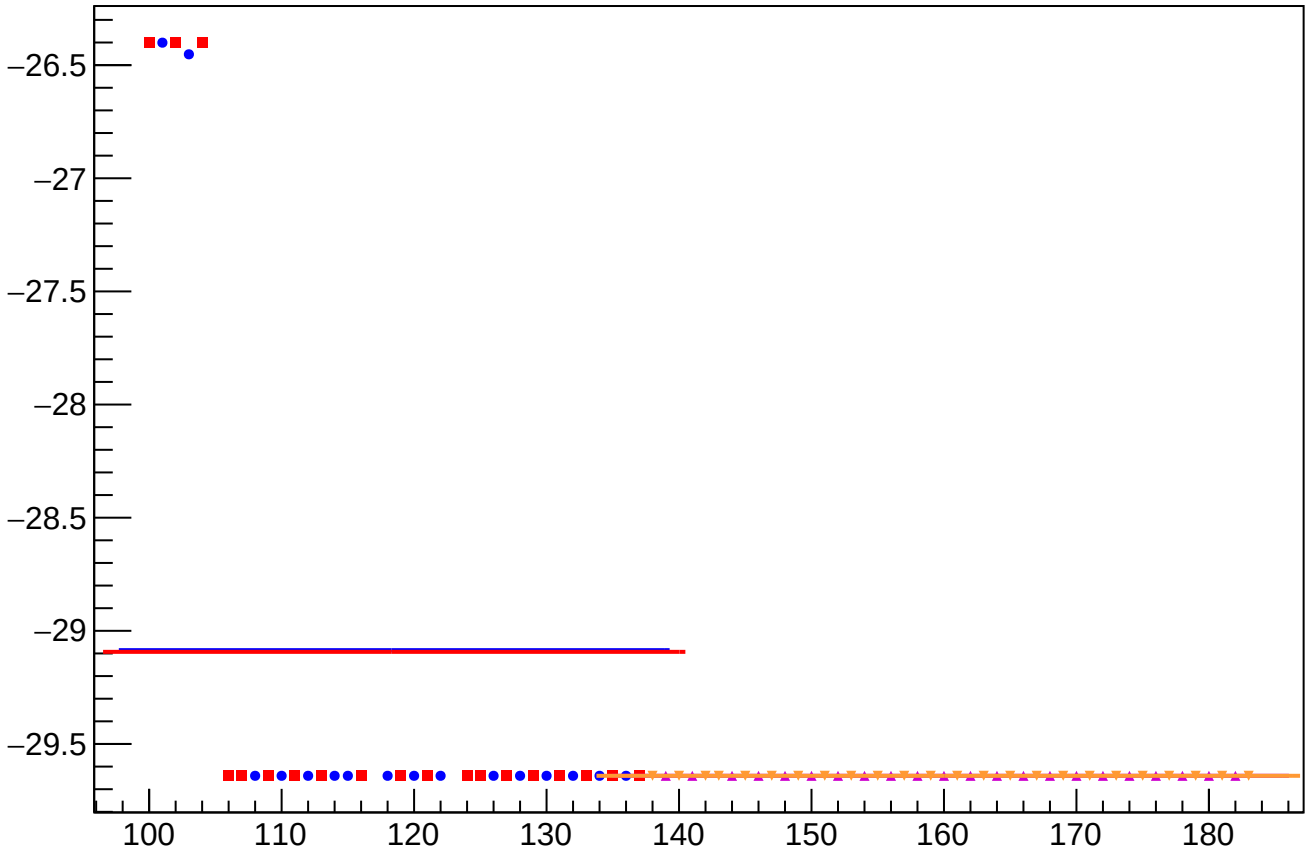
Left In: -90.599+/-0.000 χ^2/NDF:6293519.7/21

+ sign -42.158+/-0.000 χ^2/NDF: 172254938597217

All: -40.578+/-0.000 χ^2/NDF: 345386199631

- sign -38.941+/-0.000 χ^2/NDF: 172992421666823

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:279900.5/23

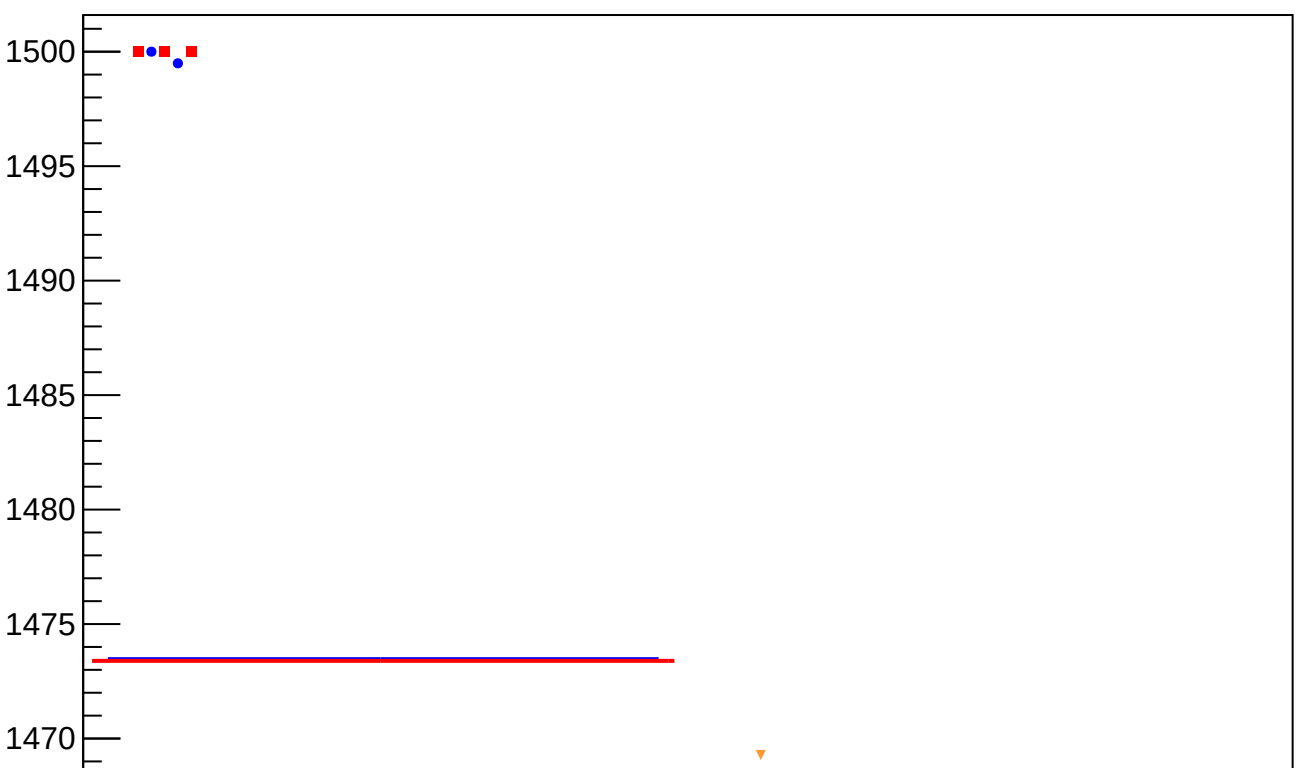
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:190109.2/21

+ sign -29.490+/-0.000 χ^2/NDF: 126088919548210

All: -29.486+/-0.000 χ^2/NDF: 254894090164

- sign -29.482+/-0.000 χ^2/NDF: 1287969565428346



Right In: 1473.467+/-0.000 χ^2/NDF: 1068941948607061768784857937047715840.0/15

+ sign 1469.520+/-0.000 χ^2/NDF: 12287524530902

Left Out: 1468.051+/-0.000 χ^2/NDF:139486331224158694564705909866496.0/23

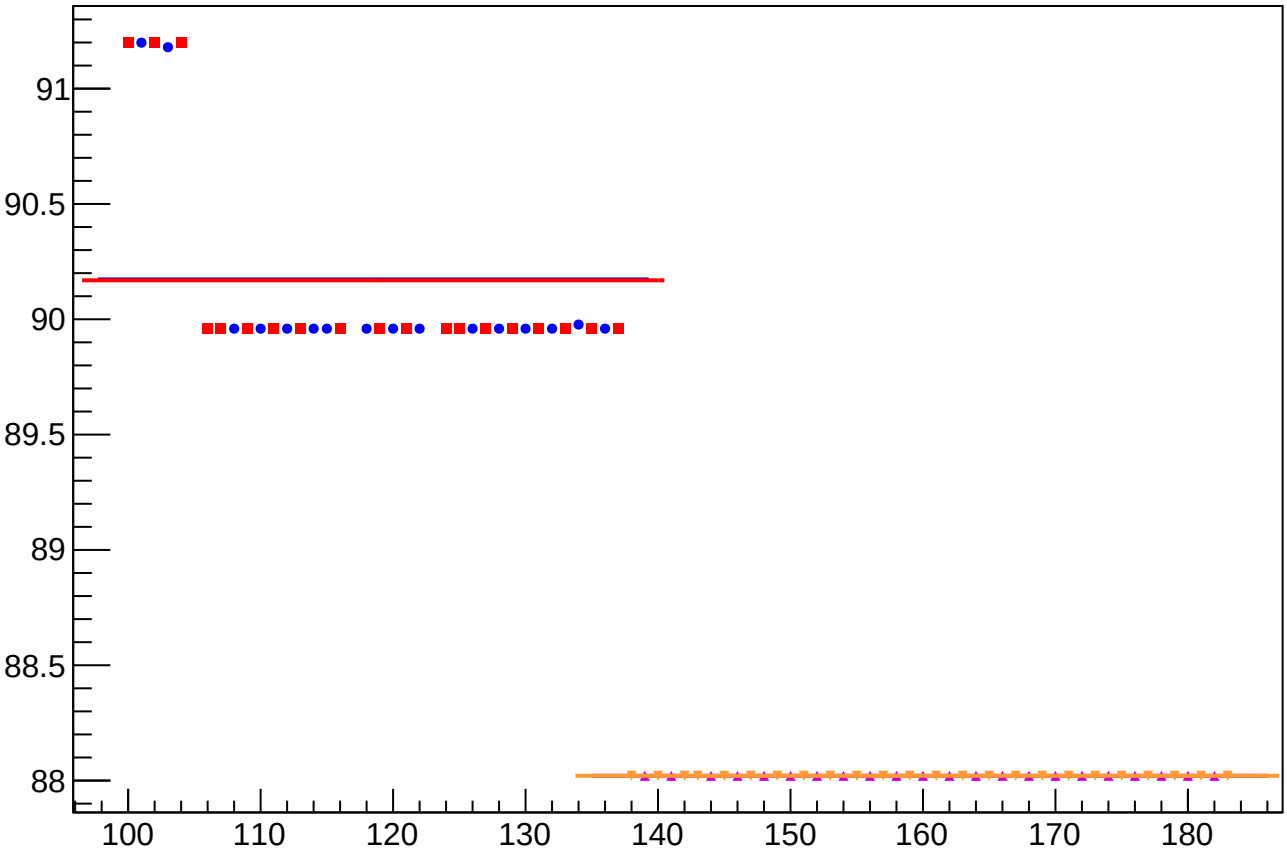
All: 1469.537+/-0.000 χ^2/NDF: 2485983433

Right Out: 1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

- sign 1469.555+/-0.000 χ^2/NDF: 12572145640254

Left In: 1467.993+/-0.000 χ^2/NDF:154466986627104652268079677440.0/21

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3935368.3/23

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

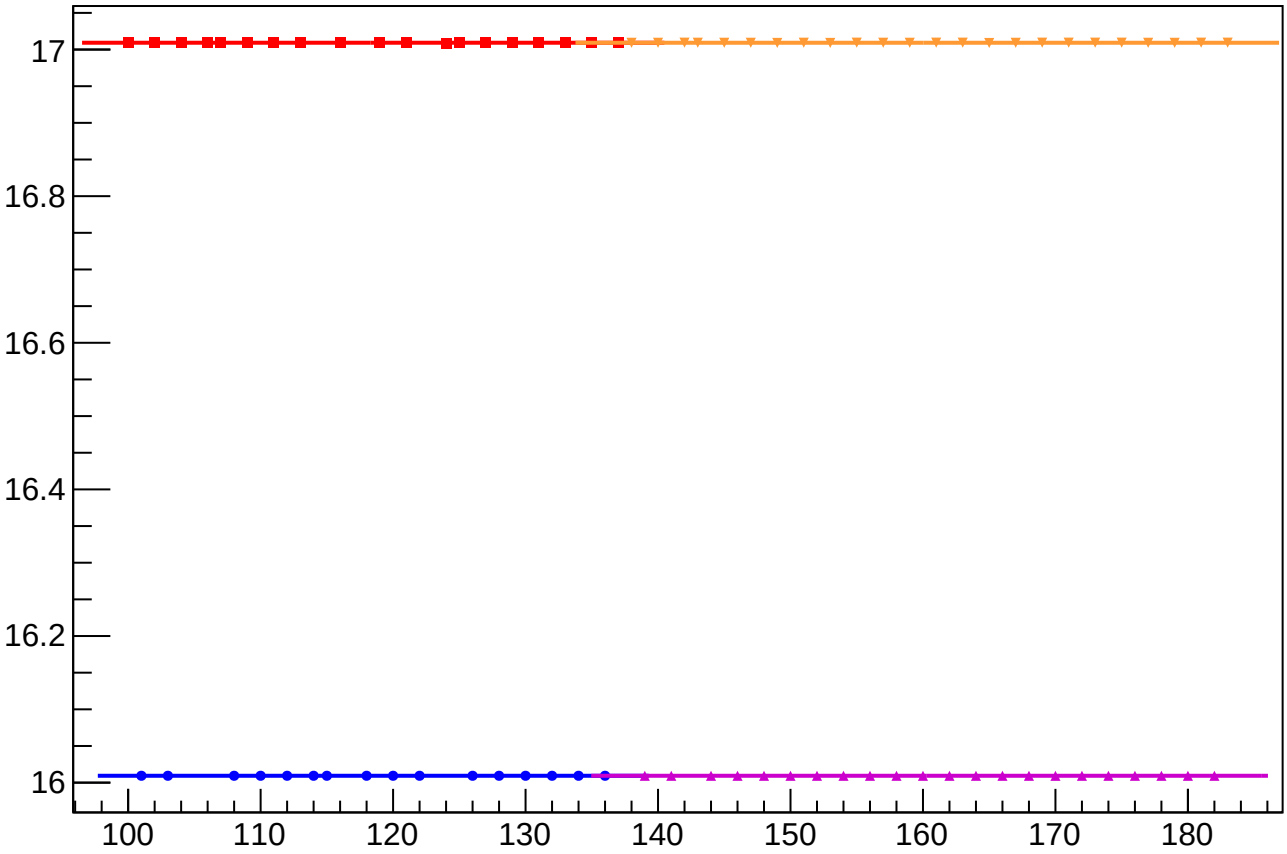
Left In: 88.021+/-0.000 χ^2/NDF:5475224.8/21

+ sign 88.604+/-0.000 χ^2/NDF: 2661018567912115

All: 88.623+/-0.000 χ^2/NDF: 5330480543615

- sign 88.642+/-0.000 χ^2/NDF: 2667560214555975

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:2765780140976191289321062 4.0/23

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

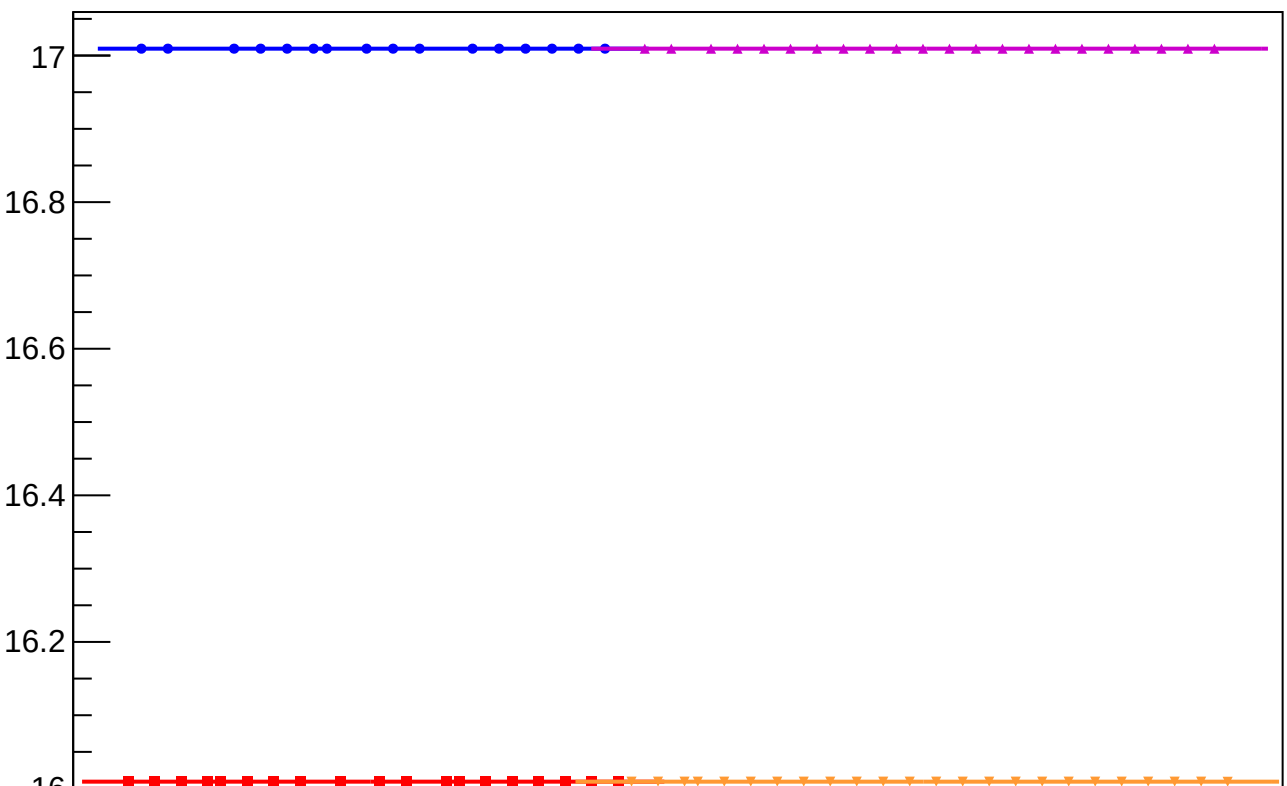
Left In: 16.009+/-0.000 χ^2/NDF:12458944665545493551513 6.0/21

+ sign 16.734+/-0.000 χ^2/NDF: 5084022424930936

All: 16.519+/-0.000 χ^2/NDF: 124375746059

- sign 16.294+/-0.000 χ^2/NDF: 4953603968336439

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:2817208720318504873492480.0/23

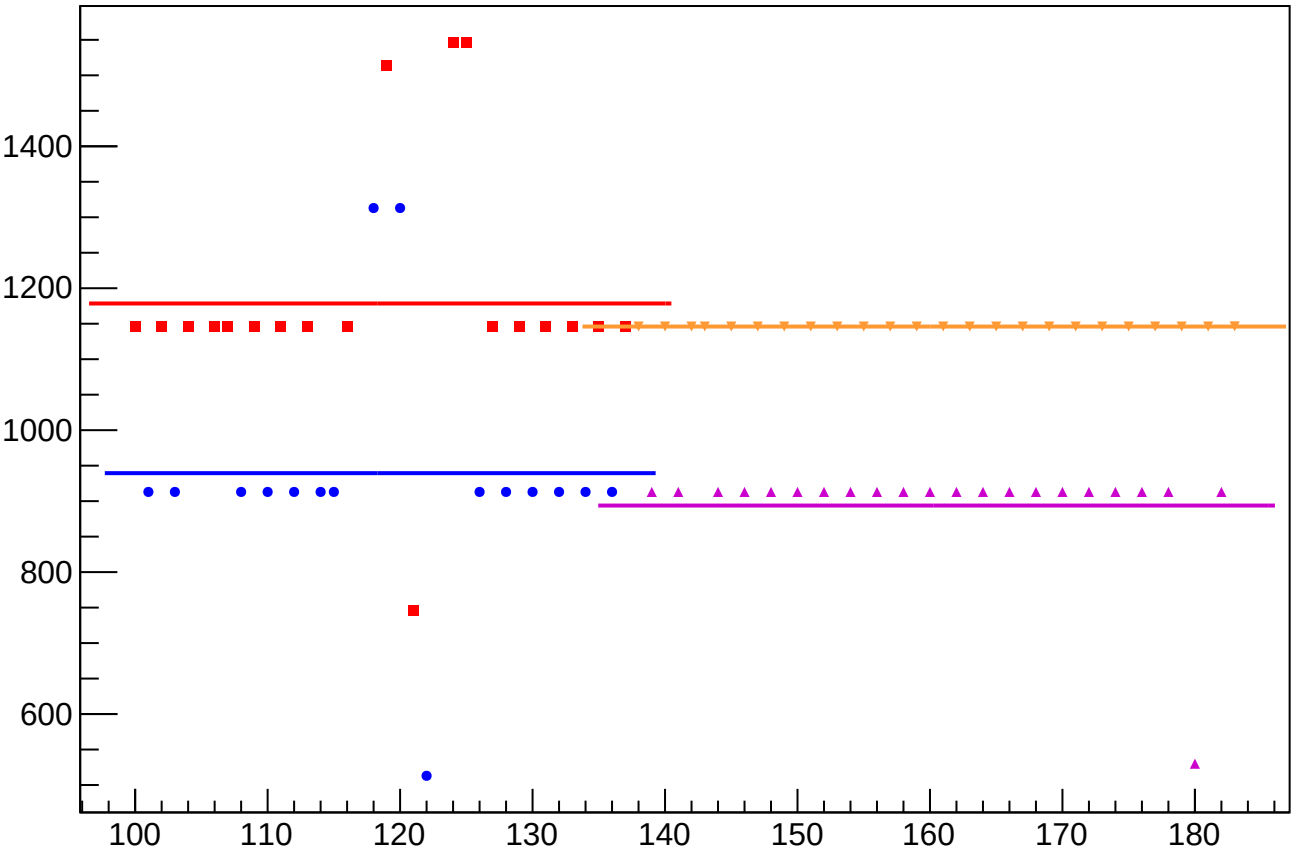
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:1109181156708516364288000.0/21

+ sign 16.274+/-0.000 χ^2/NDF: 5199390349421483

All: 16.492+/-0.000 χ^2/NDF: 131333198492

- sign 16.716+/-0.000 χ^2/NDF: 5364011810436612



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1089.991+/-0.000 χ^2/NDF: 44127059450654

Left Out: 1146.020+/-0.000 χ^2/NDF:37030061775351332192195643965440.0/23

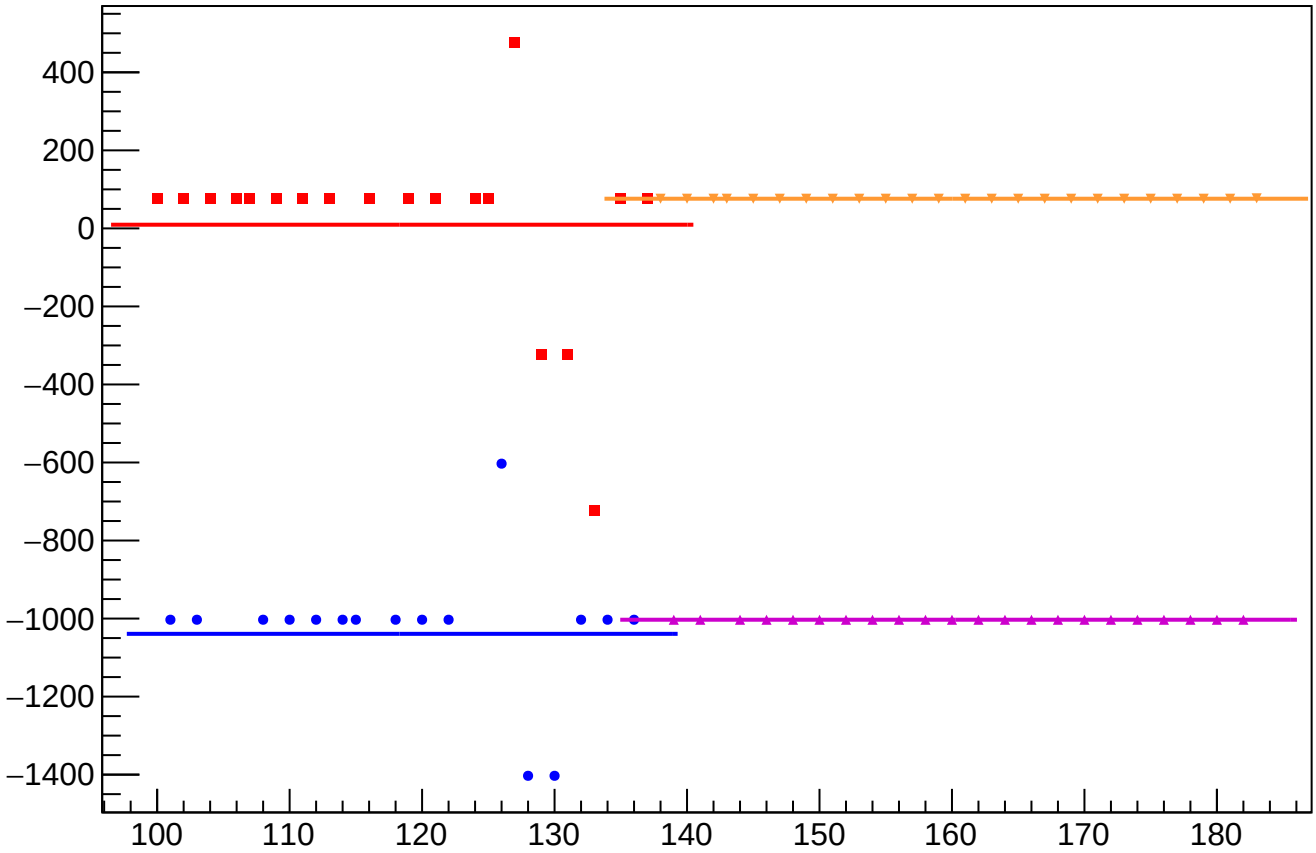
All: 1034.064+/-0.000 χ^2/NDF: 1407204621

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 976.145+/-0.000 χ^2/NDF: 791987128269000

Left In: 893.795+/-0.000 χ^2/NDF:13095996920853270590180839637555085312.0/21

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -226.425+/-0.000 χ^2/NDF: 69448794881457

Left Out: 76.053+/-0.000 χ^2/NDF:8131989522239803201483005178675 2.0/23

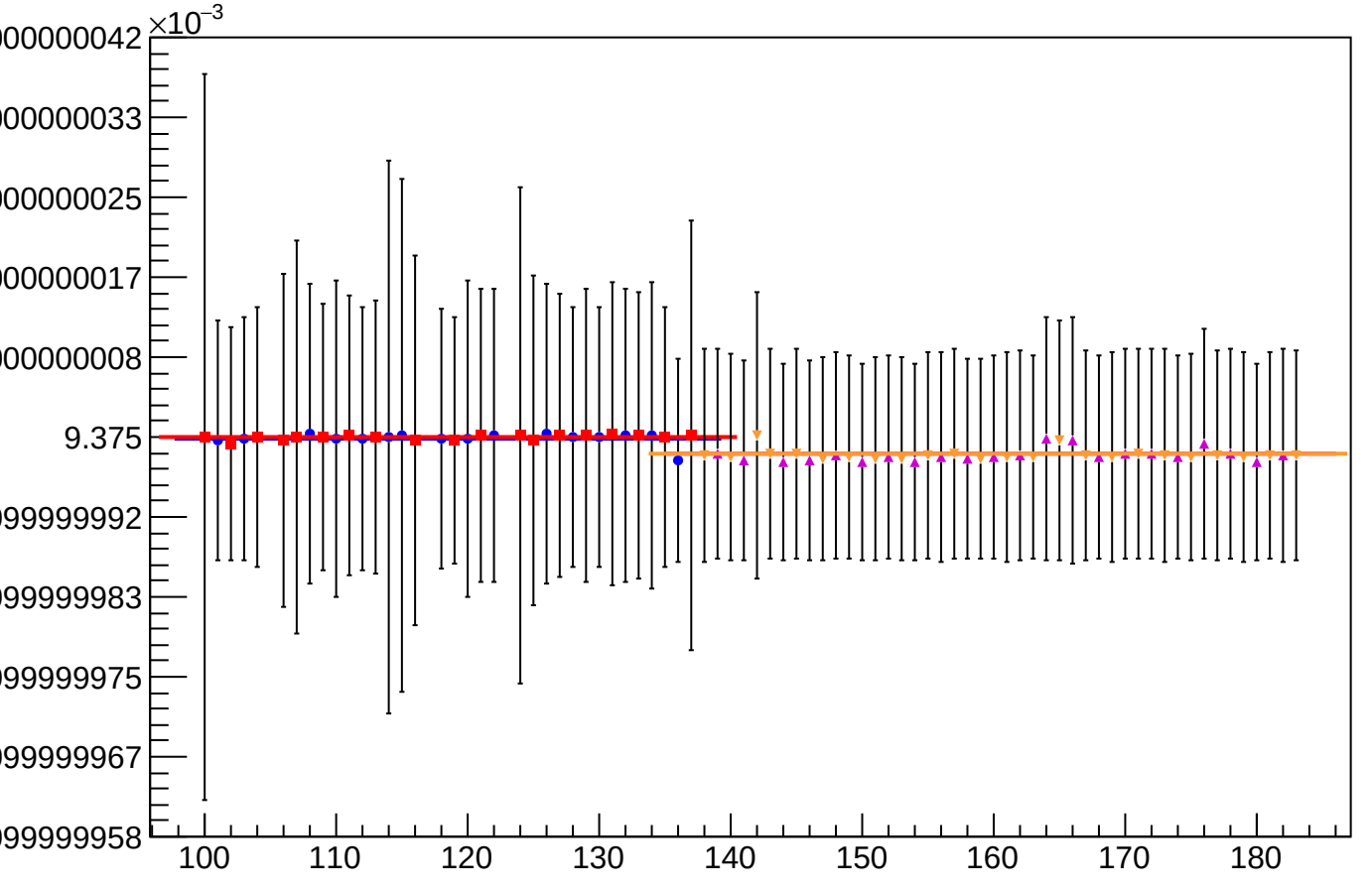
All: -464.060+/-0.000 χ^2/NDF: 1610466485

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409 92.0/18

- sign -710.163+/-0.000 χ^2/NDF: 601926000381044

Left In: -1002.990+/-0.000 χ^2/NDF:293194385629303331310954086 4.0/21

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/23

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

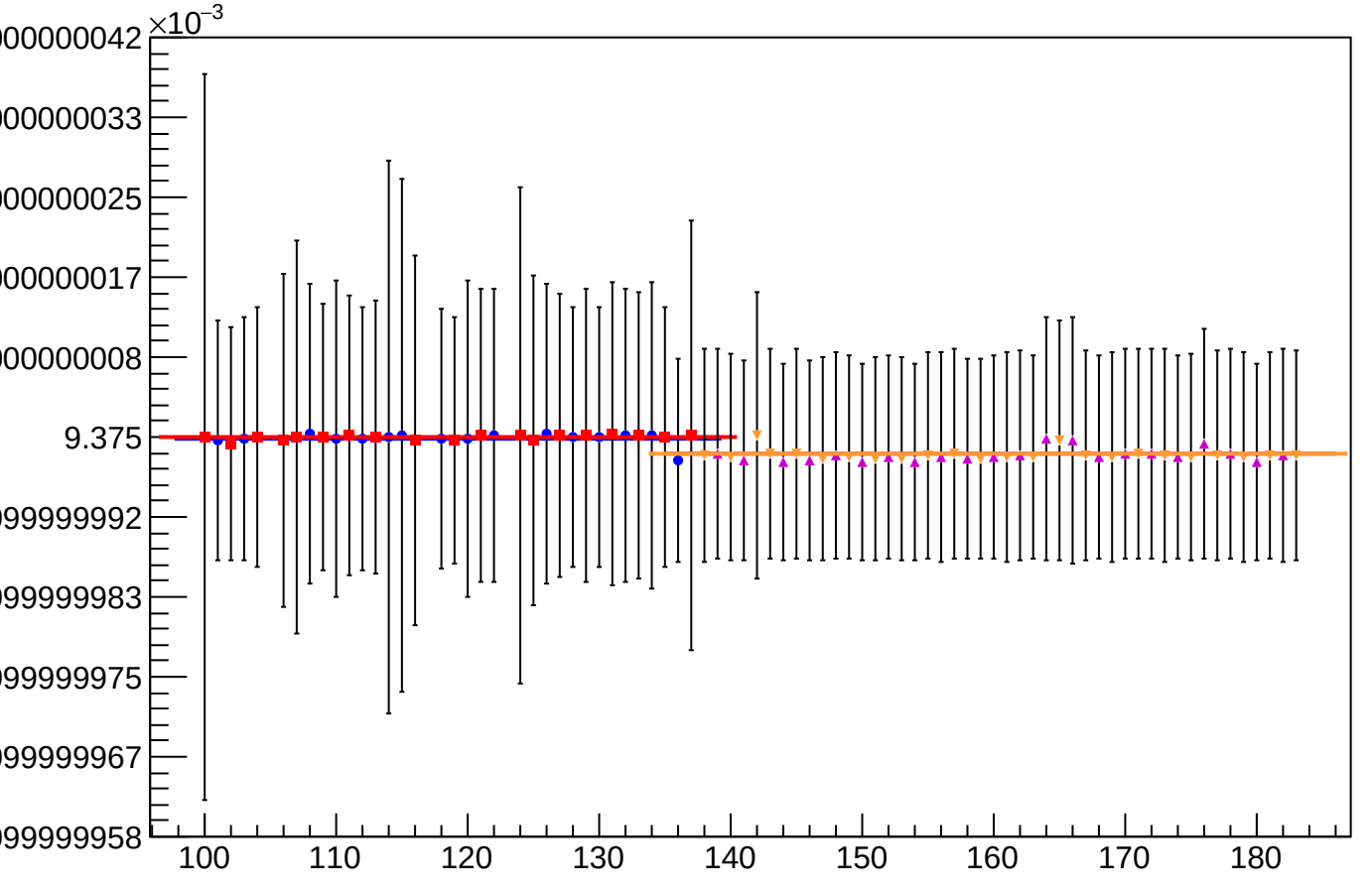
Left In: 0.009+/-0.000 χ^2/NDF:0.1/21

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.5/80

- sign 0.009+/-0.000 χ^2/NDF: 0.3/40

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/23

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/21

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.5/80

- sign 0.009+/-0.000 χ^2/NDF: 0.3/40