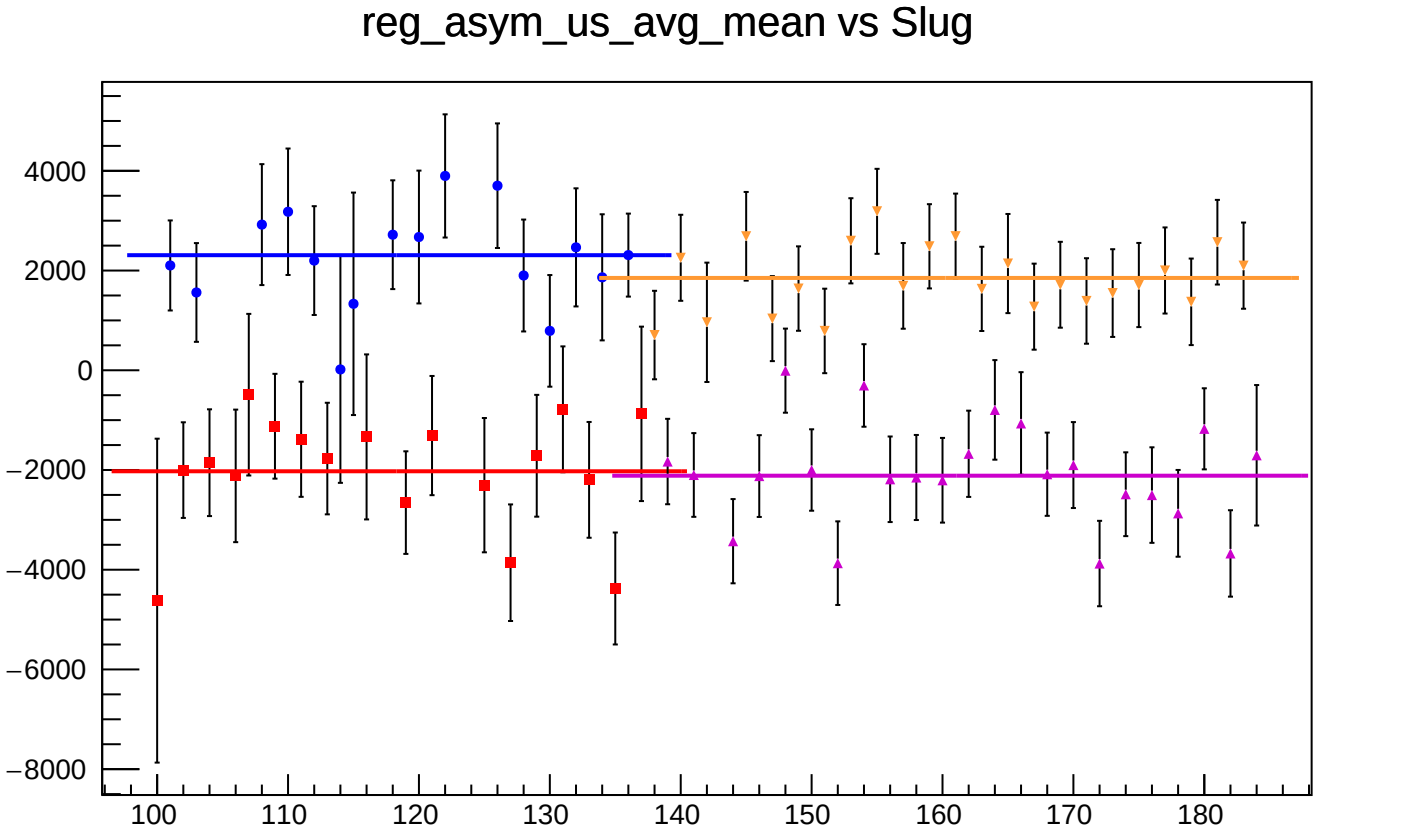


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

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

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

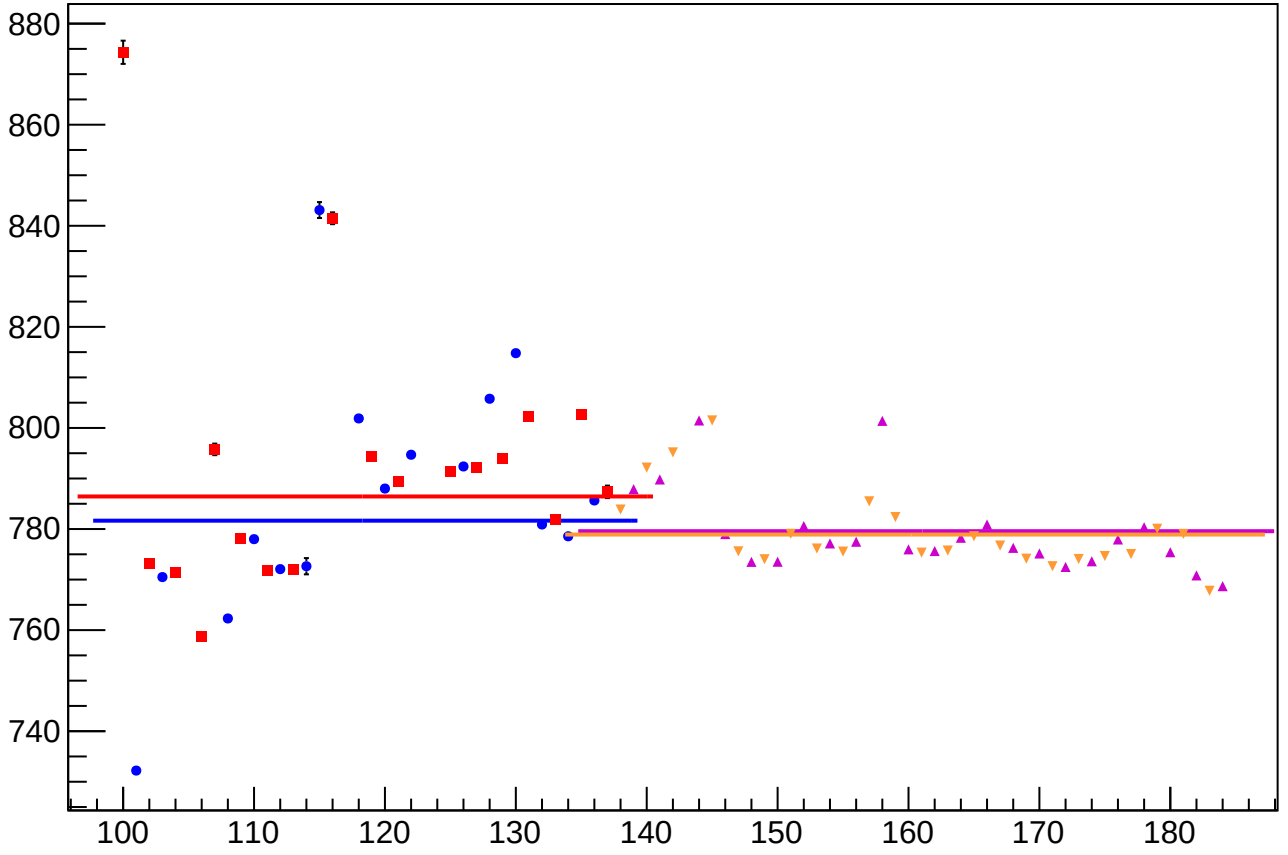
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -55.921+/-109.036 χ^2/NDF: 413.8/79

- sign -2089.315+/-154.143 χ^2/NDF: 43.1/40

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

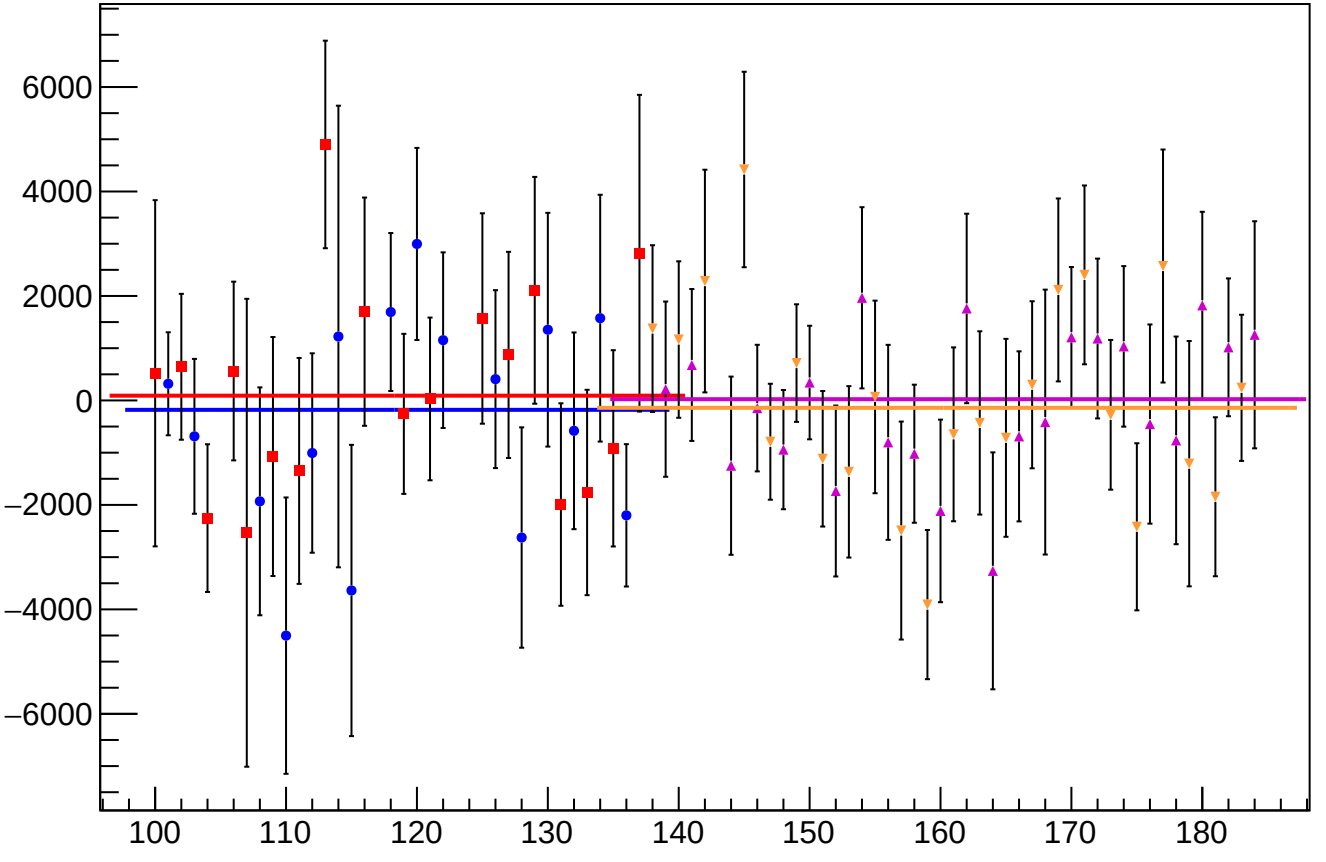
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 780.601+/-0.077 χ^2/NDF: 27991.1/79

\- sign 781.518+/-0.109 χ^2/NDF: 12180.1/40

asym_us_avg_reg_correction_mean vs Slug



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

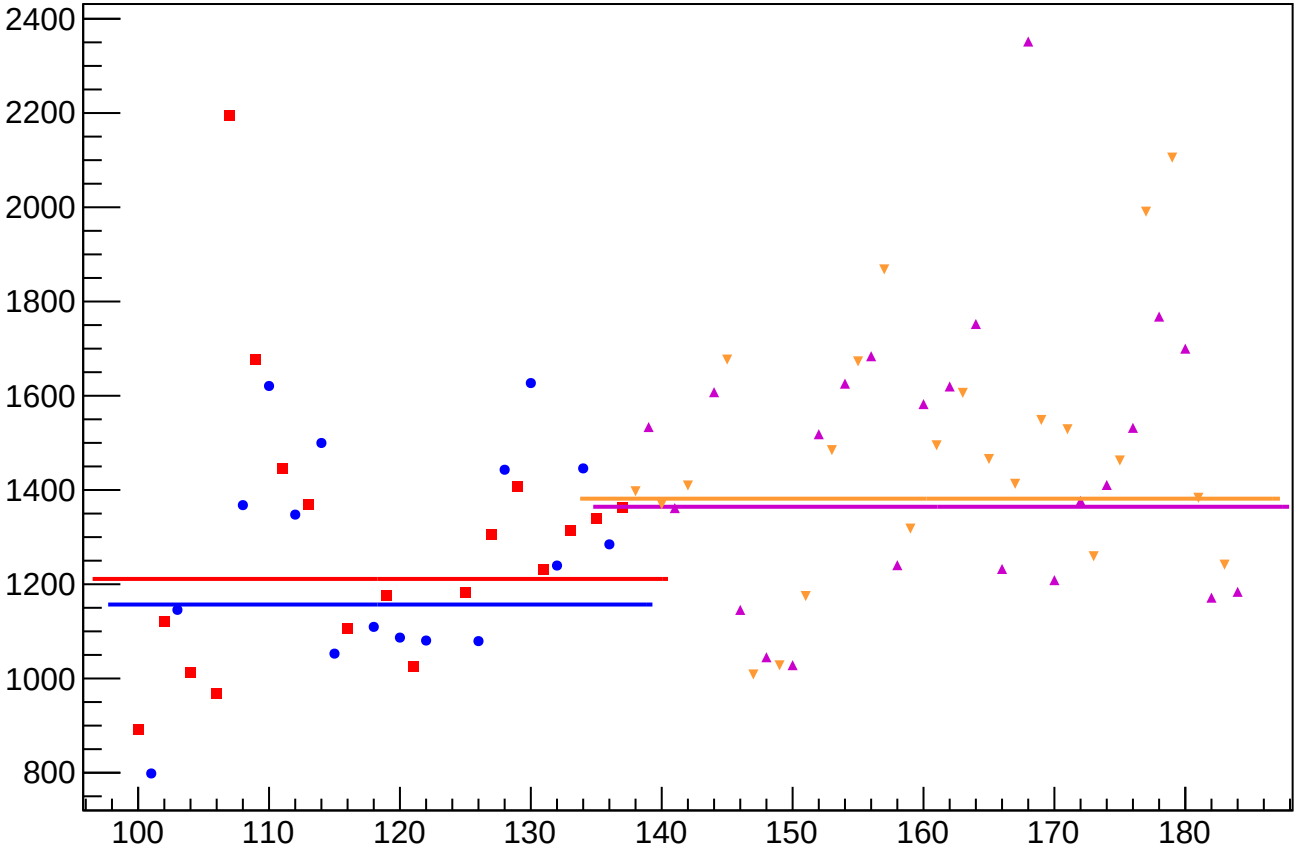
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: -54.455+/-187.142 χ^2/NDF: 72.8/79

\- sign 46.655+/-264.861 χ^2/NDF: 28.7/40

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

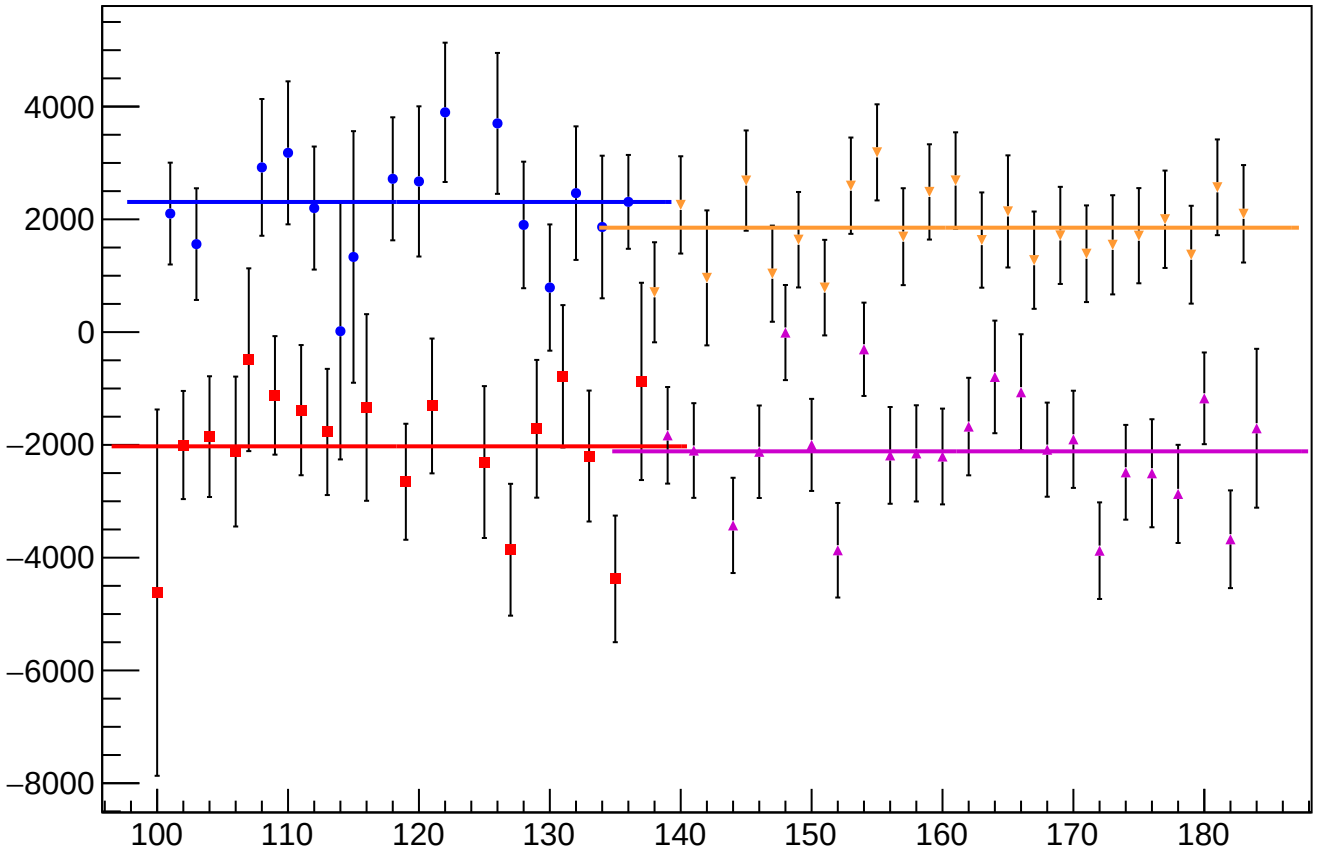
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1306.597+/-0.132 χ^2/NDF: 3917458.1/79

- sign 1312.474+/-0.187 χ^2/NDF: 1859879.8/40



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

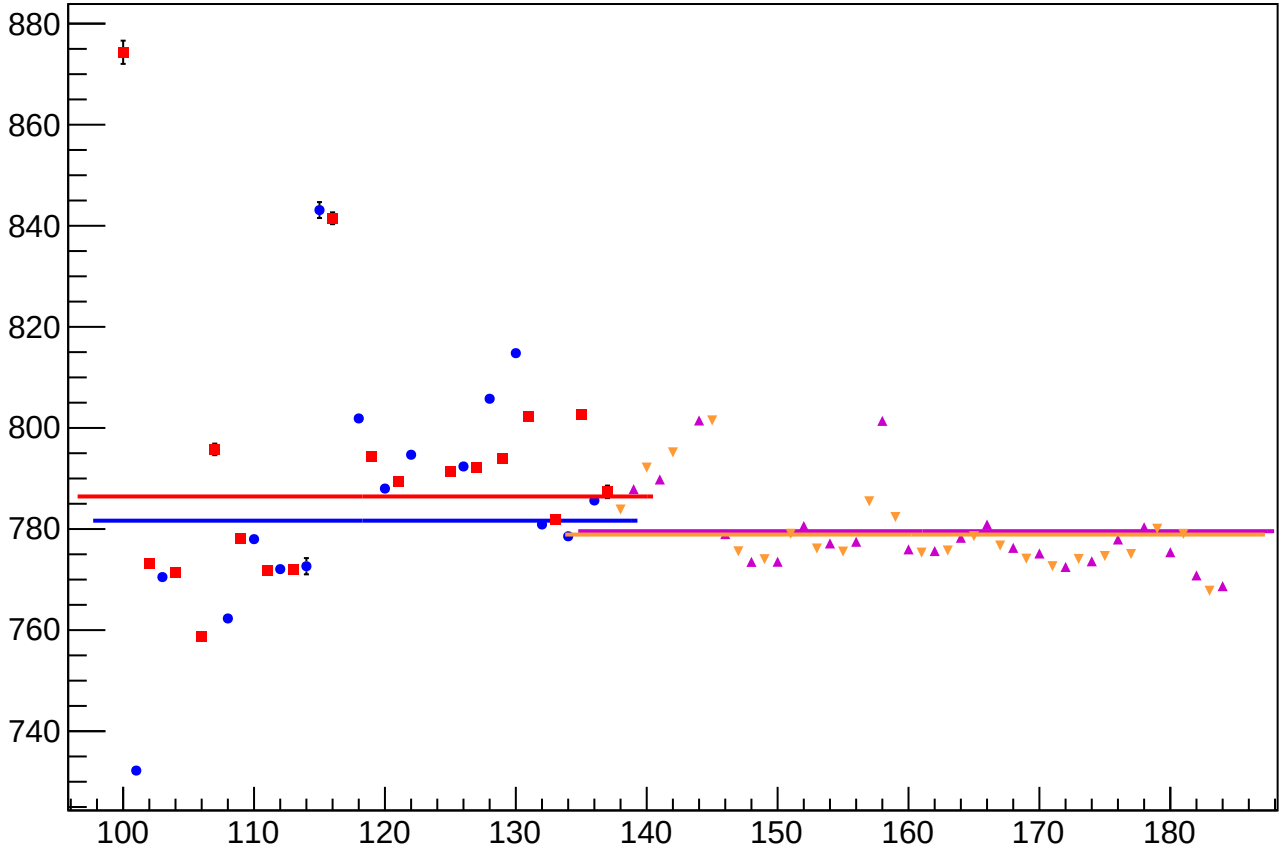
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -55.921+/-109.036 χ^2/NDF: 413.8/79

- sign -2089.315+/-154.143 χ^2/NDF: 43.1/40

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

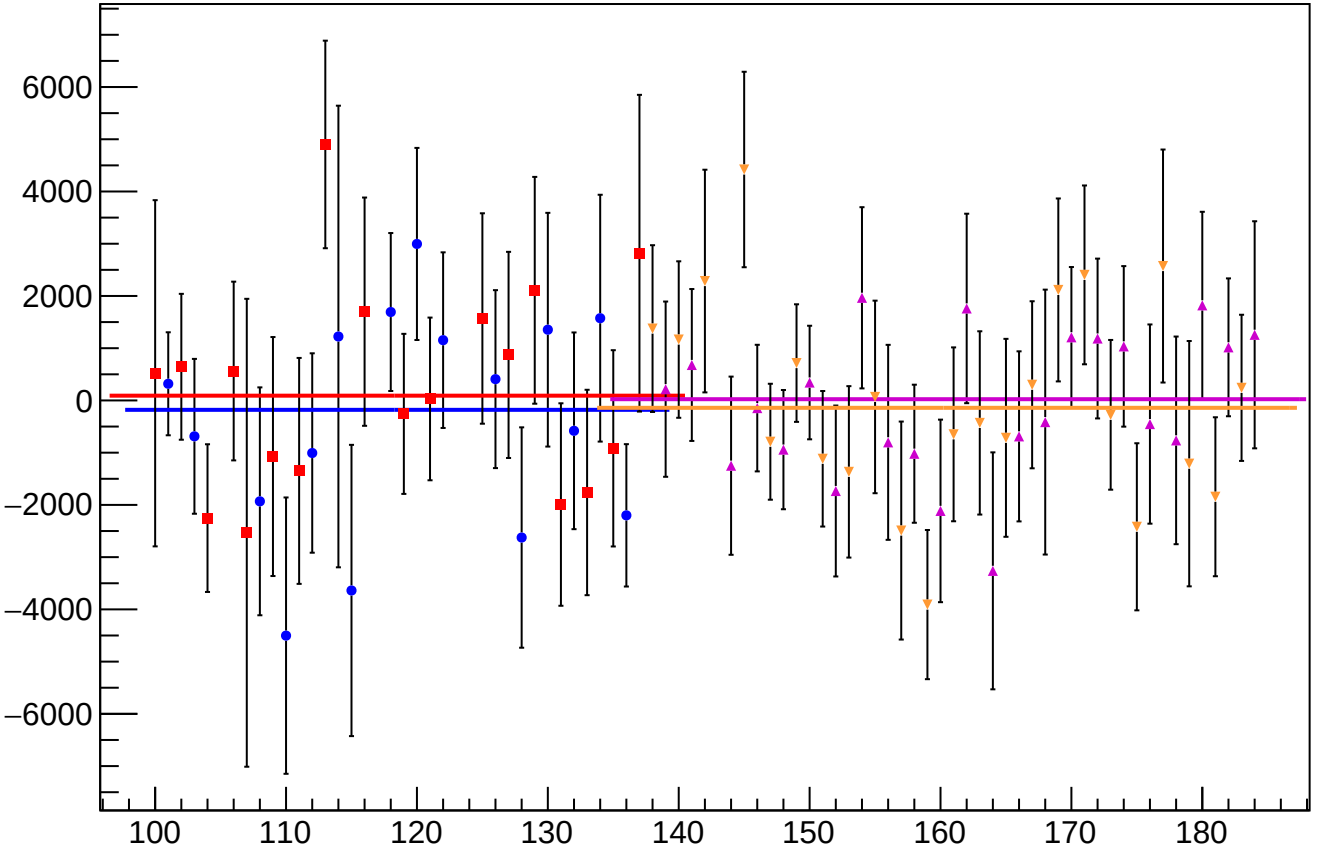
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 780.601+/-0.077 χ^2/NDF: 27991.1/79

\- sign 781.518+/-0.109 χ^2/NDF: 12180.1/40

asym_us_avg_cor_correction_mean vs Slug



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

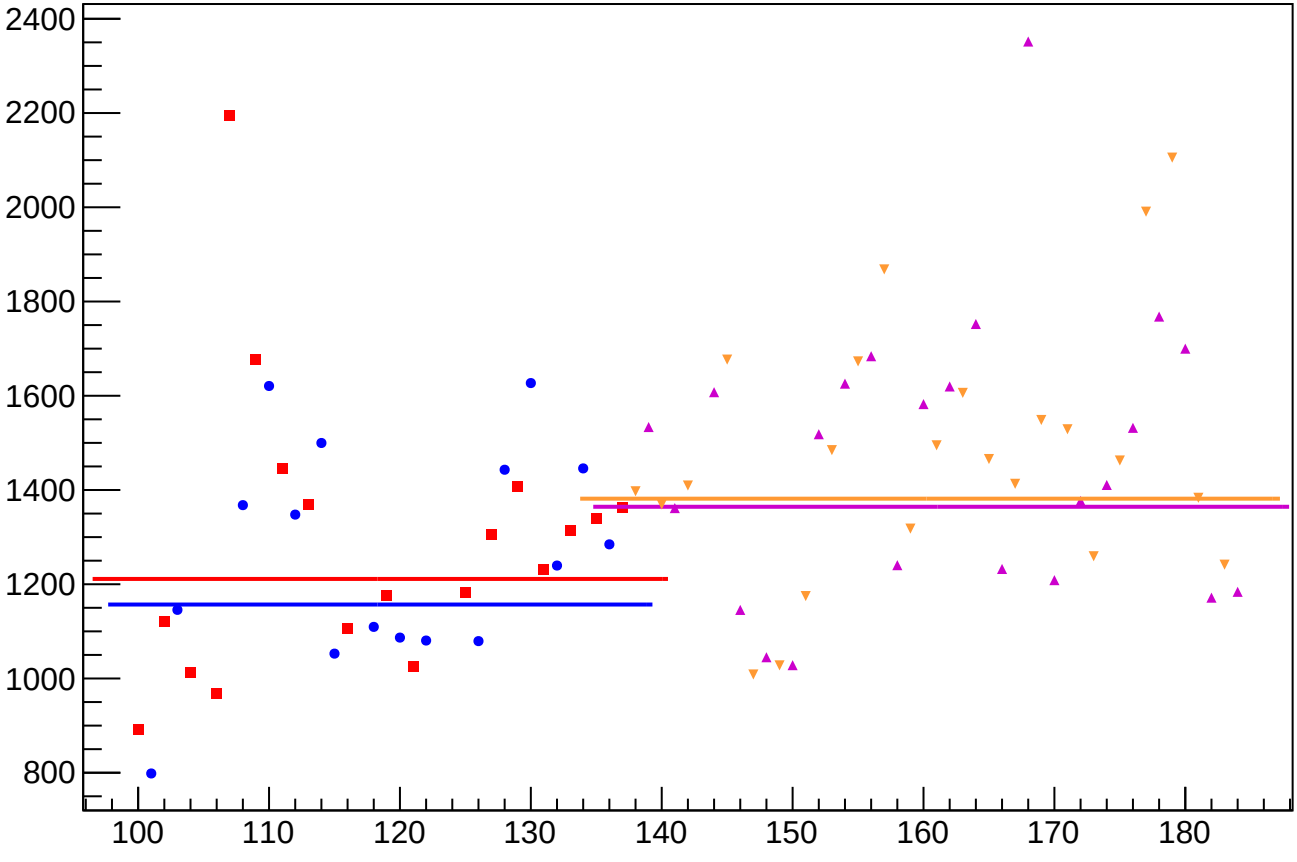
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: -54.455+/-187.142 χ^2/NDF: 72.8/79

\- sign 46.655+/-264.861 χ^2/NDF: 28.7/40

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

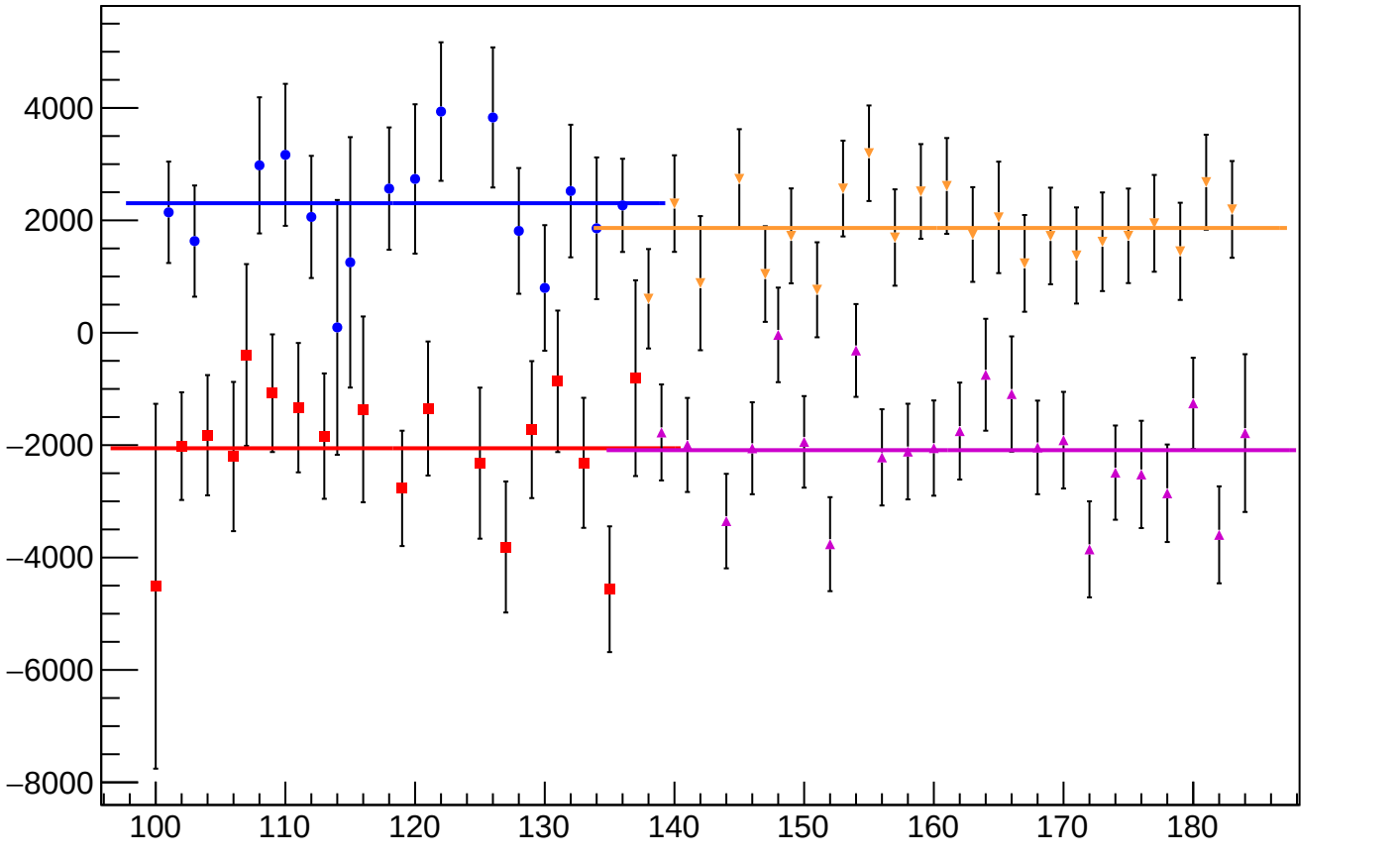
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1306.597+/-0.132 χ^2/NDF: 3917458.1/79

- sign 1312.474+/-0.187 χ^2/NDF: 1859879.8/40



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

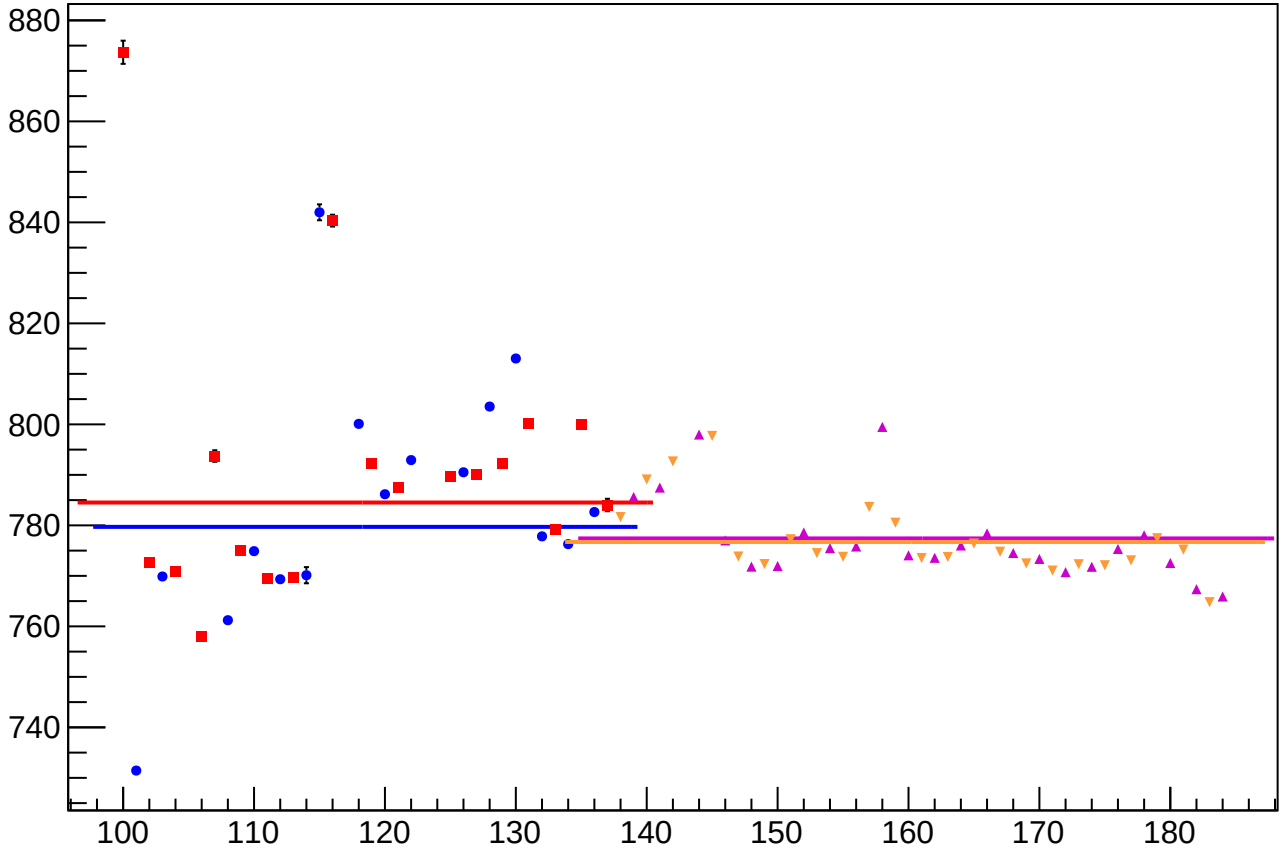
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

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

All: -47.213+/-108.741 χ^2/NDF: 415.6/79

- sign -2079.927+/-153.729 χ^2/NDF: 42.5/40

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

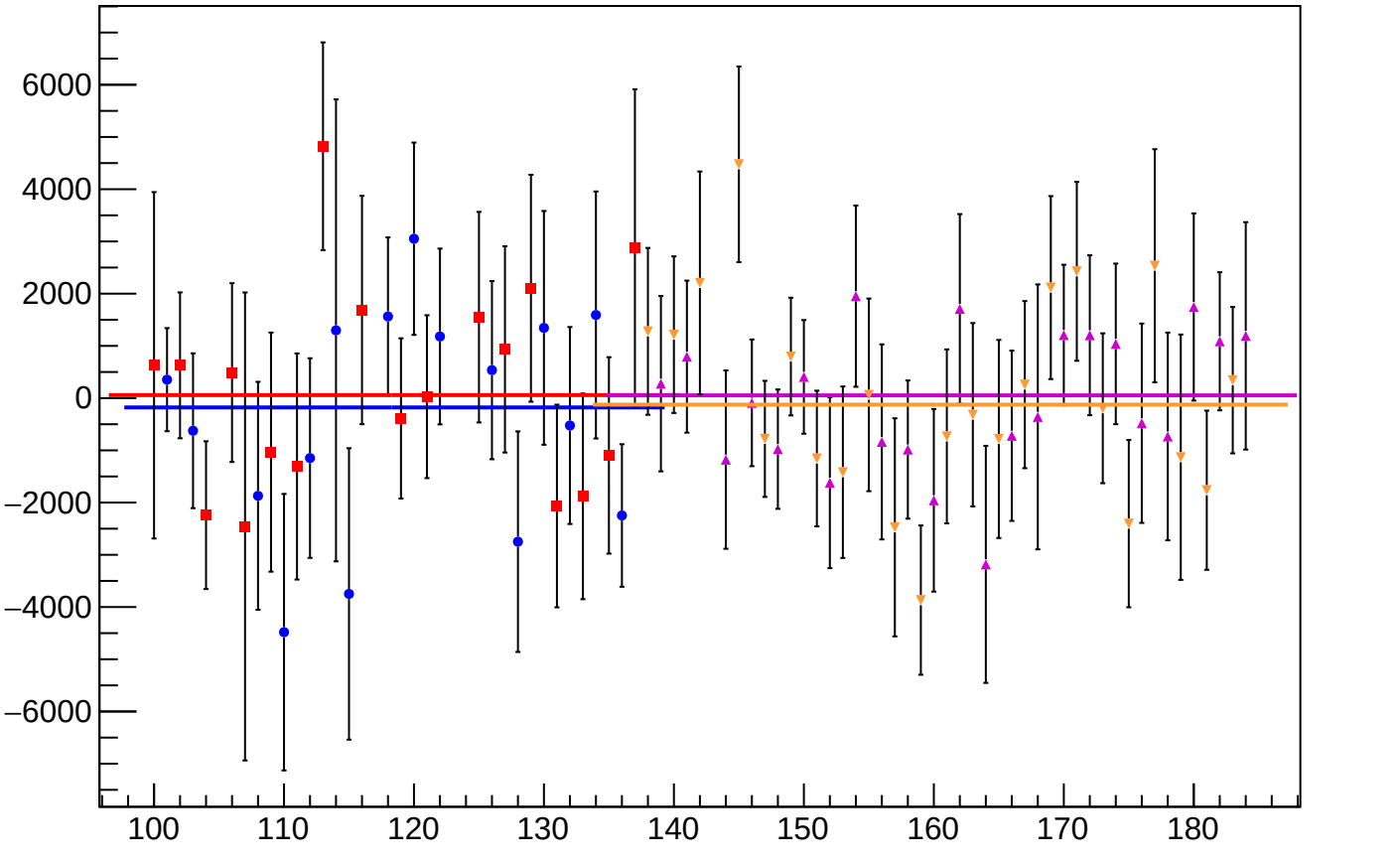
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

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

All: 778.491+/-0.077 χ^2/NDF: 27434.6/79

- sign 779.424+/-0.109 χ^2/NDF: 12090.3/40



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

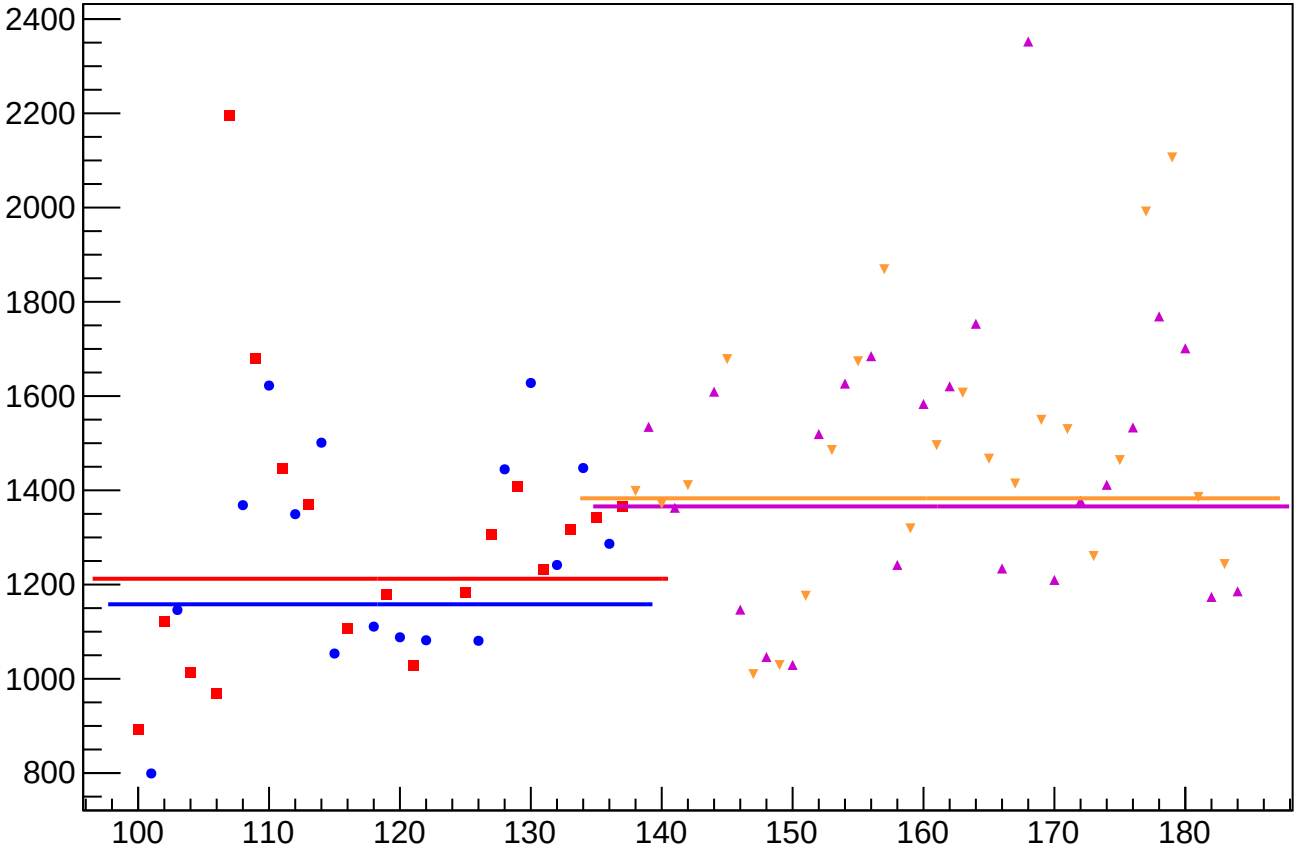
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

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

All: -44.846+/-187.322 χ^2/NDF: 72.5/79

\- sign 54.591+/-265.111 χ^2/NDF: 28.2/40

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

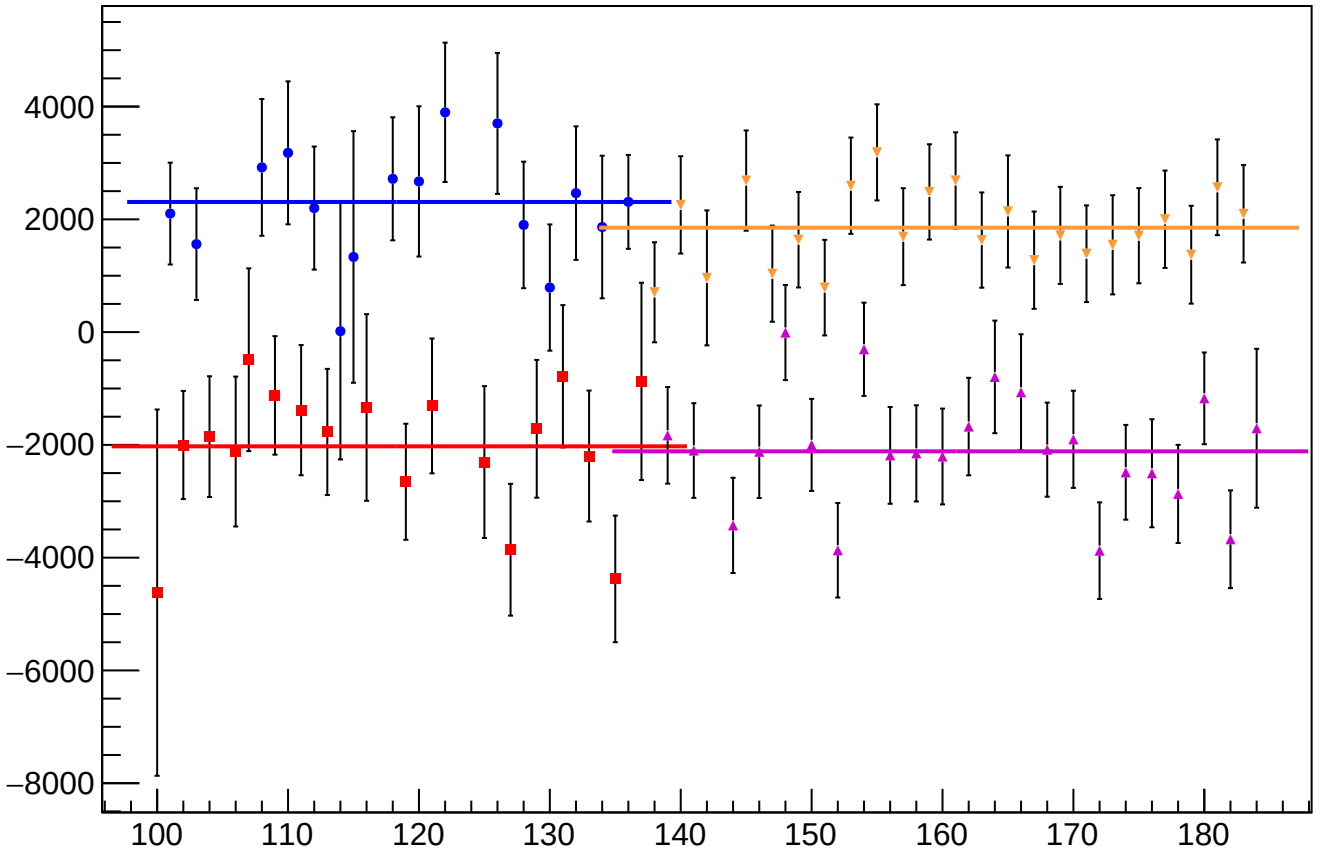
Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

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

All: 1307.912+/-0.132 χ^2/NDF: 3911578.7/79

- sign 1313.760+/-0.187 χ^2/NDF: 1857011.0/40



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

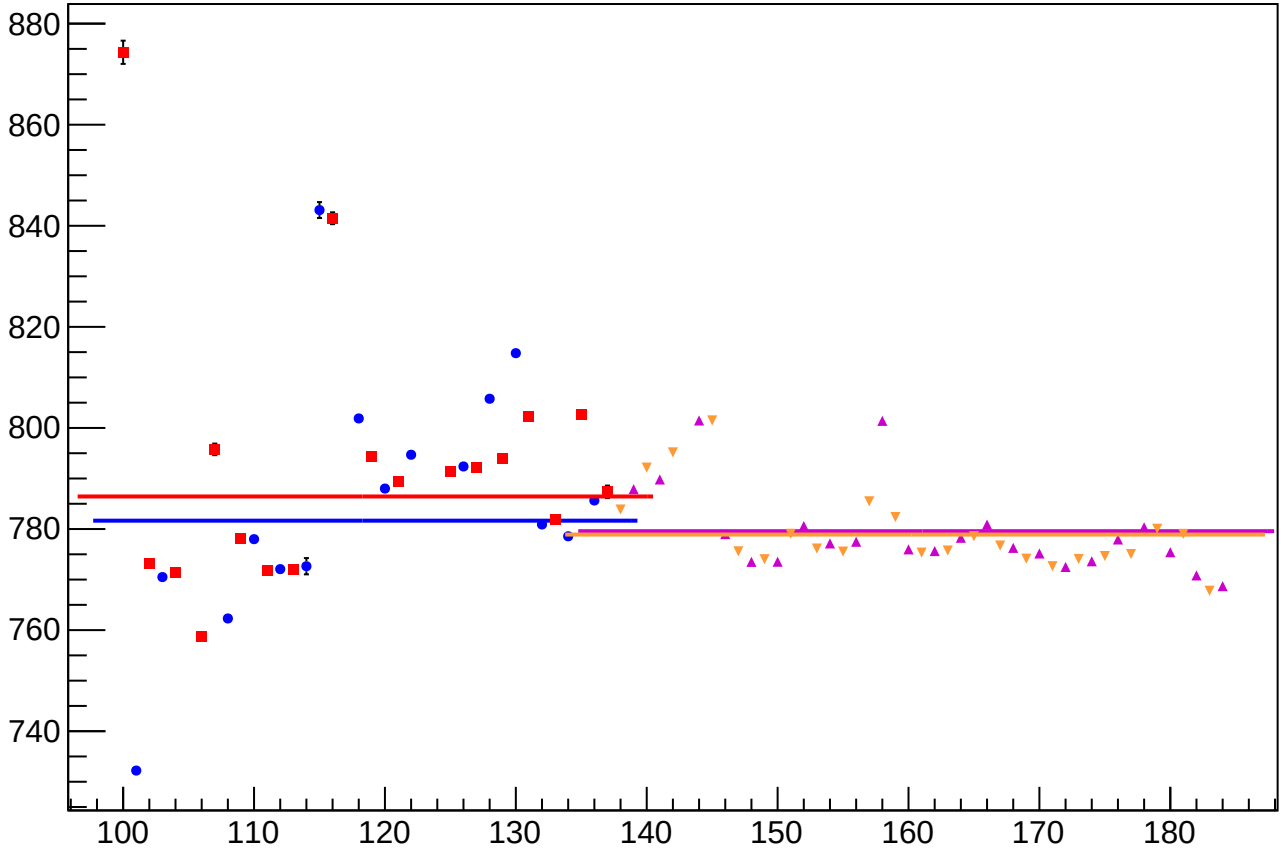
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -55.921+/-109.036 χ^2/NDF: 413.8/79

- sign -2089.315+/-154.143 χ^2/NDF: 43.1/40

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

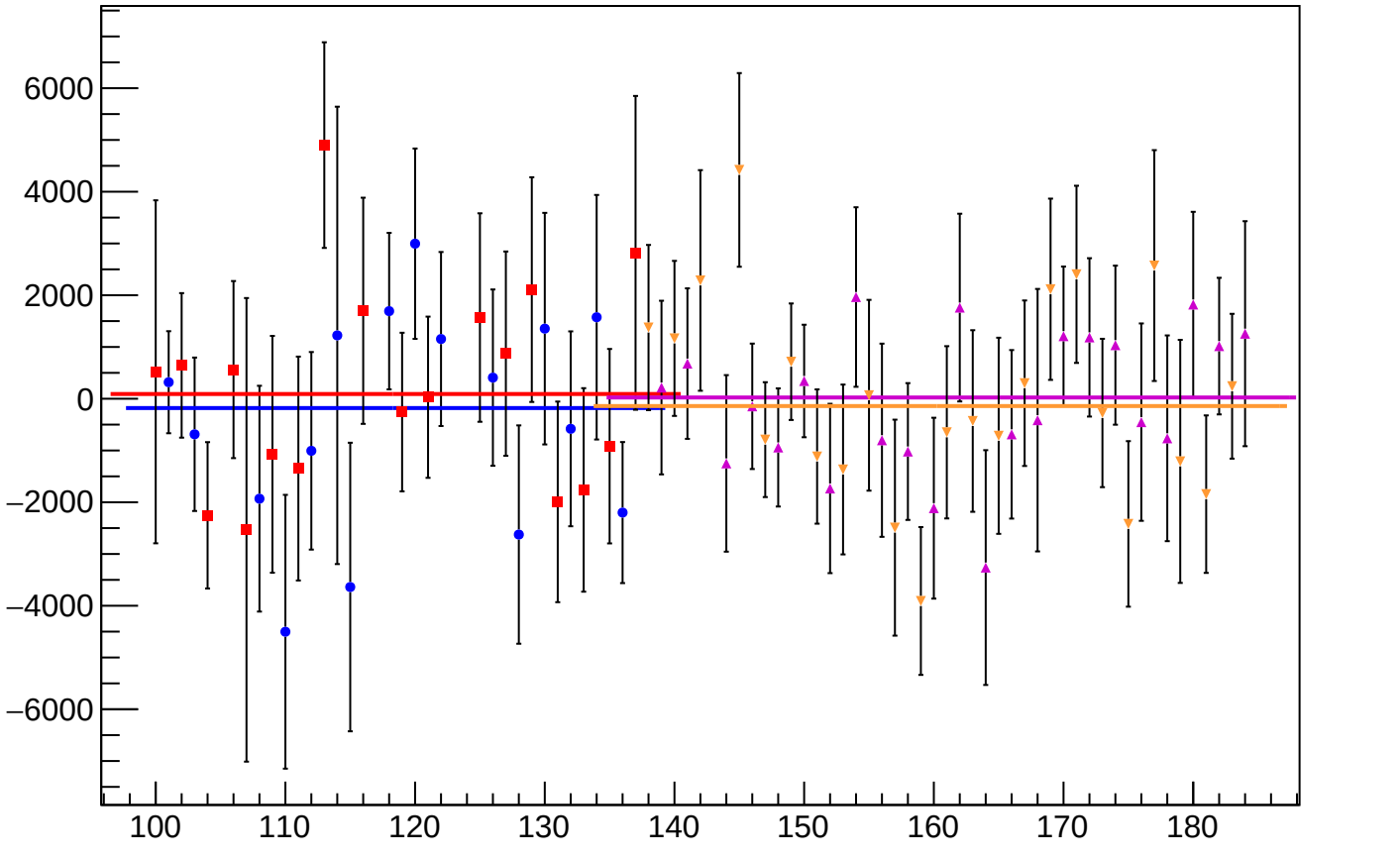
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 780.601+/-0.077 χ^2/NDF: 27991.1/79

- sign 781.518+/-0.109 χ^2/NDF: 12180.1/40



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

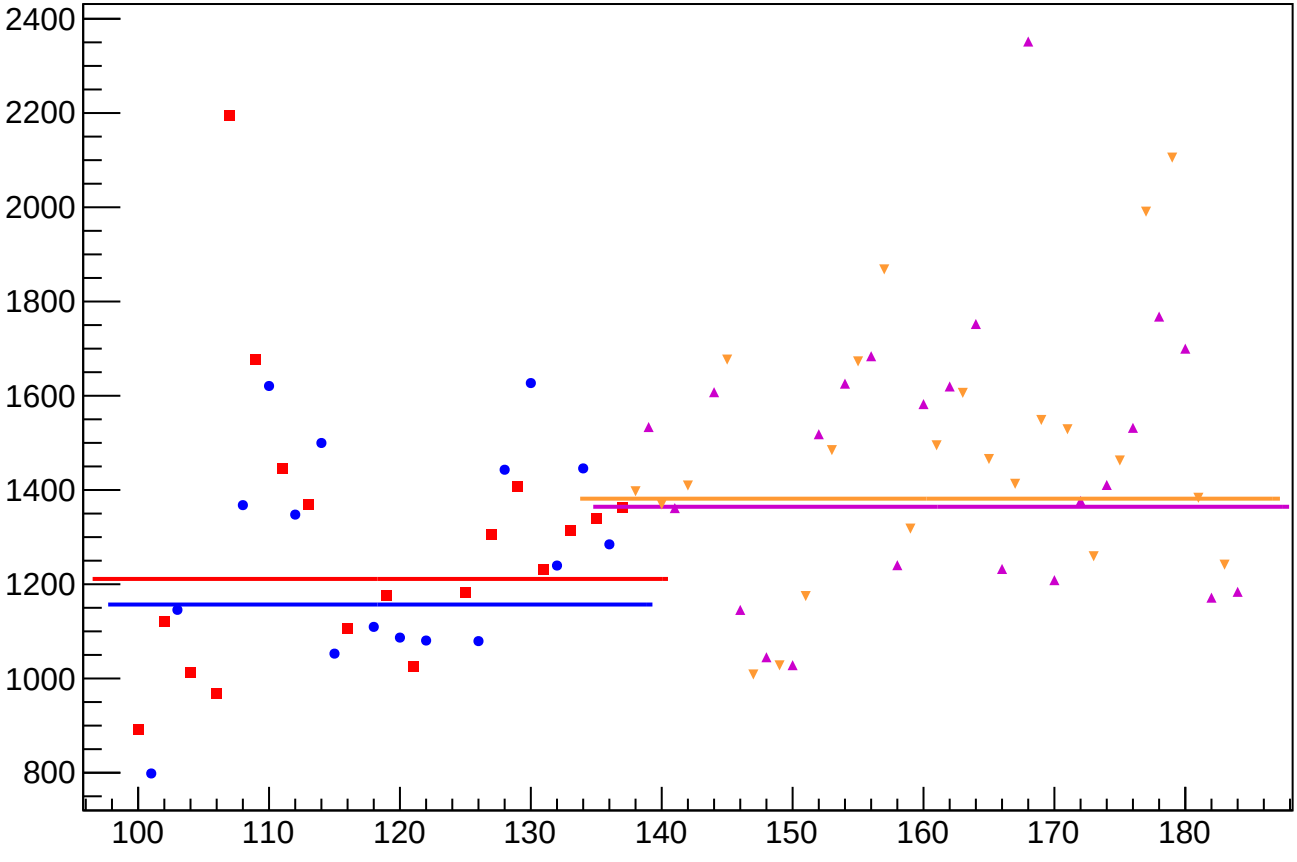
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: -54.455+/-187.142 χ^2/NDF: 72.8/79

\- sign 46.655+/-264.861 χ^2/NDF: 28.7/40

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

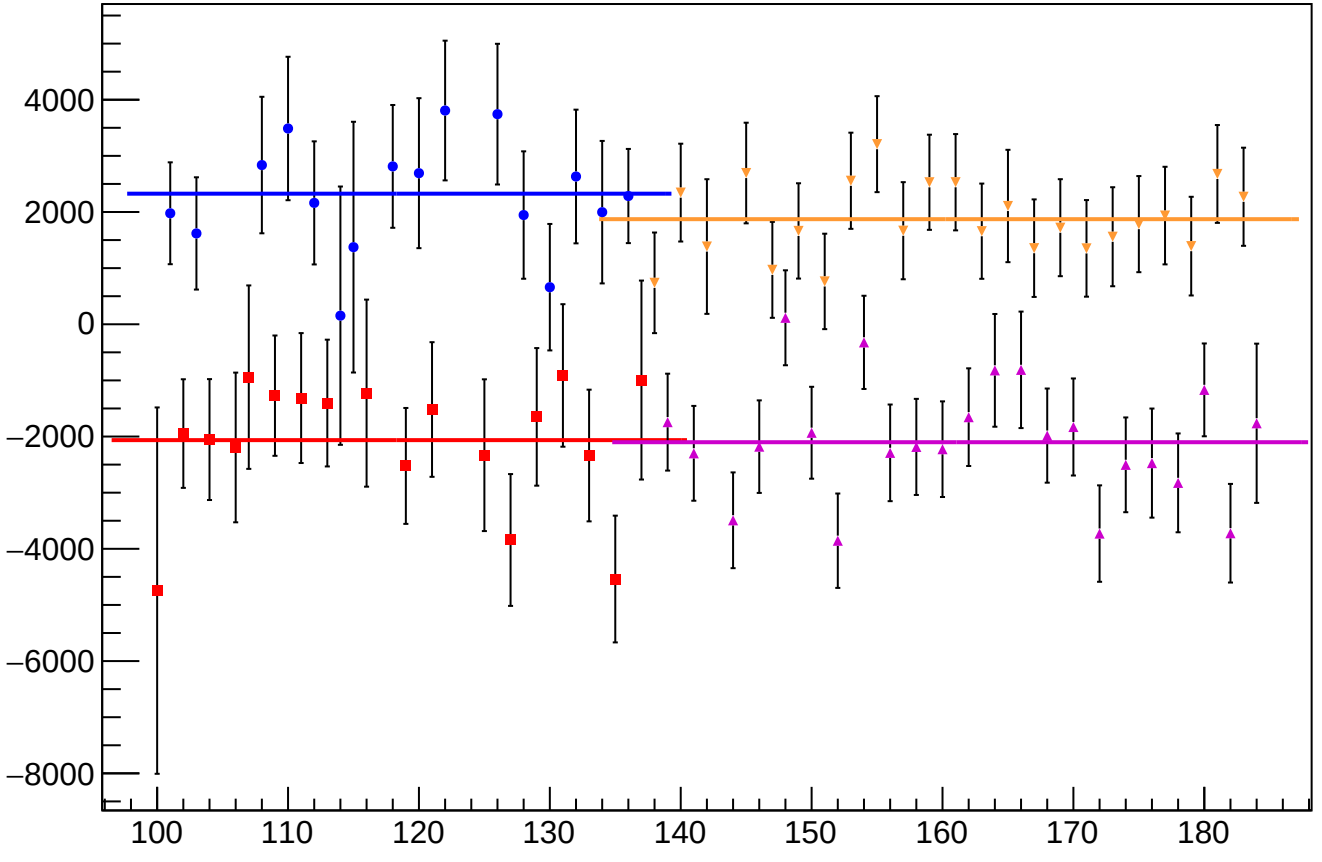
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1306.597+/-0.132 χ^2/NDF: 3917458.1/79

- sign 1312.474+/-0.187 χ^2/NDF: 1859879.8/40

dit_asym_us_avg_mean vs Slug



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

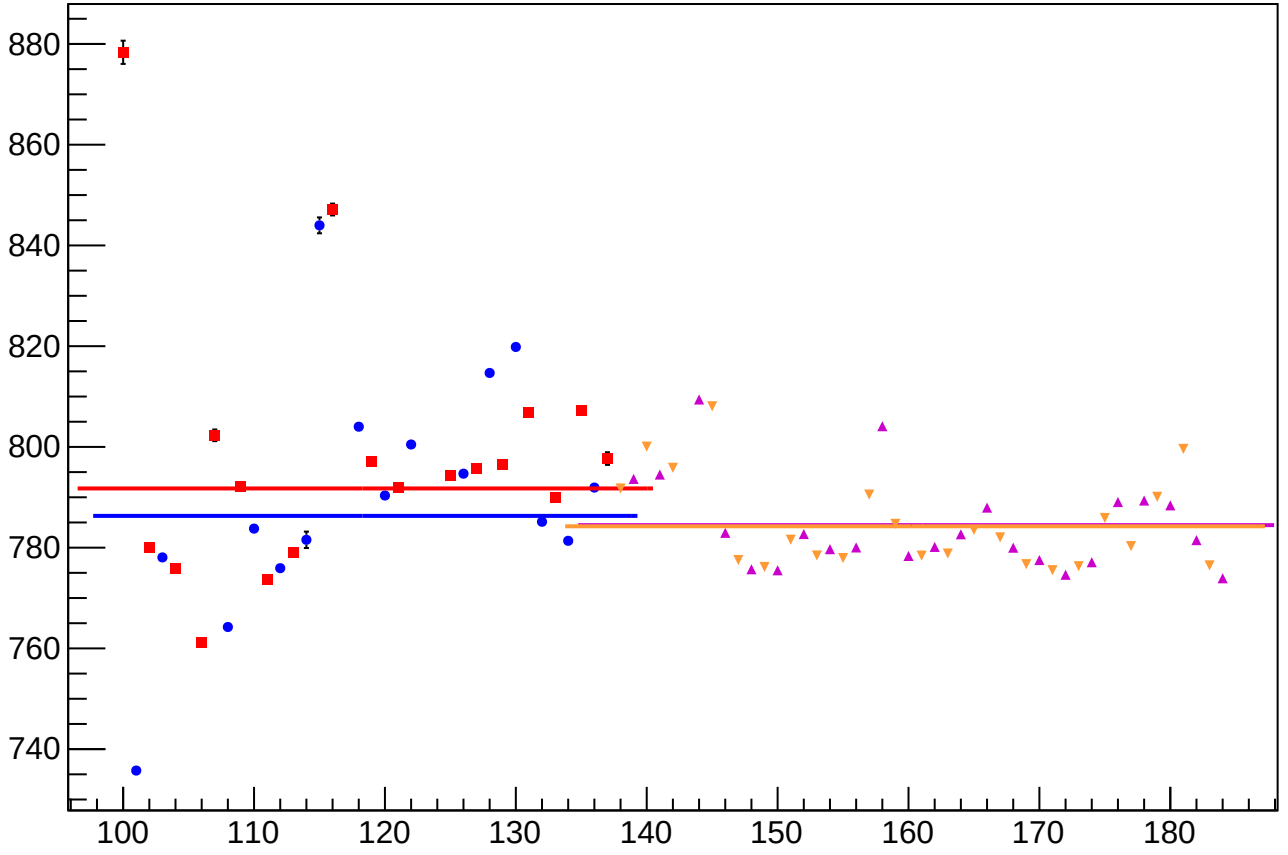
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -46.888+/-109.753 χ^2/NDF: 413.1/79

- sign -2090.567+/-155.142 χ^2/NDF: 43.4/40

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

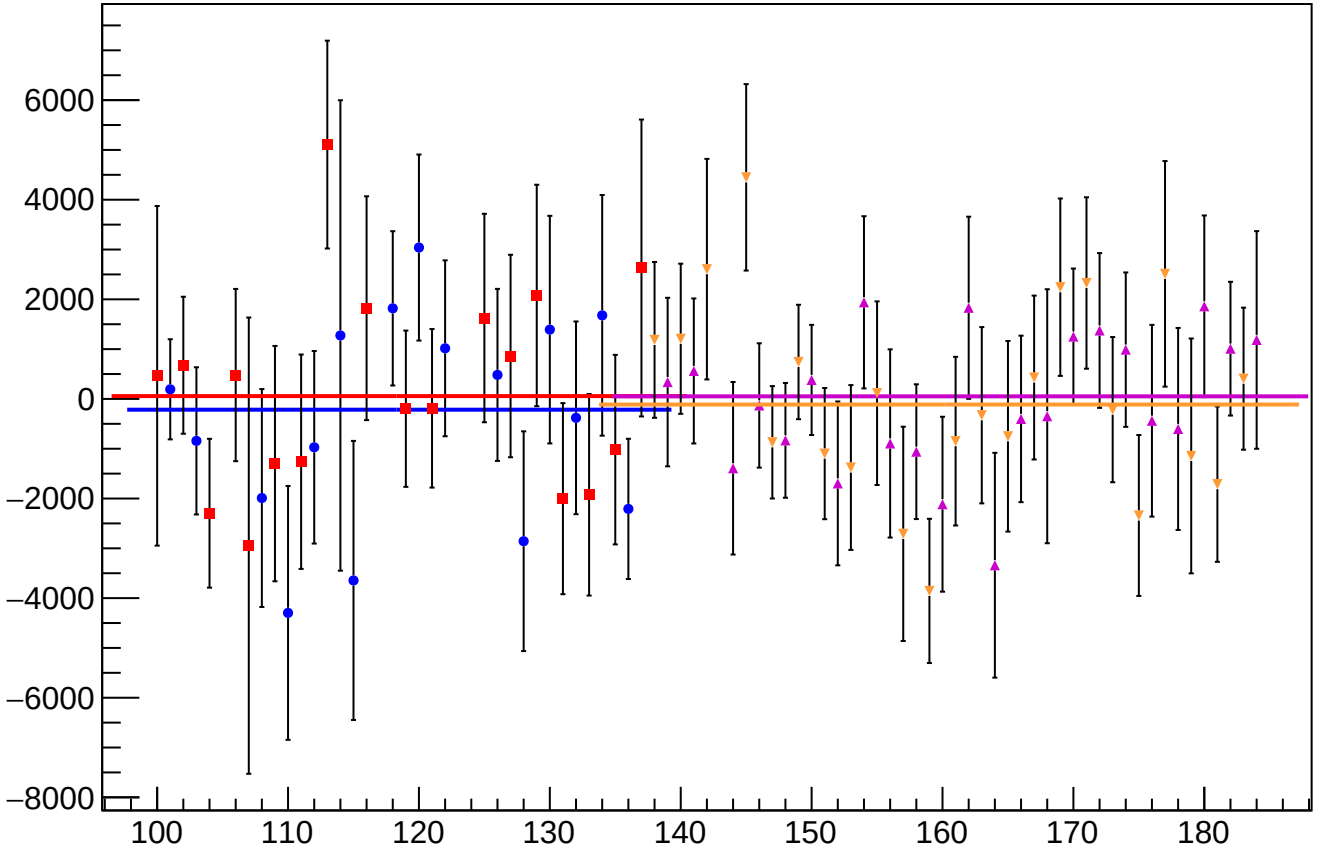
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 785.680+/-0.078 χ^2/NDF: 30252.4/79

- sign 786.532+/-0.110 χ^2/NDF: 12836.7/40

asym_us_avg_dit_correction_mean vs Slug



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

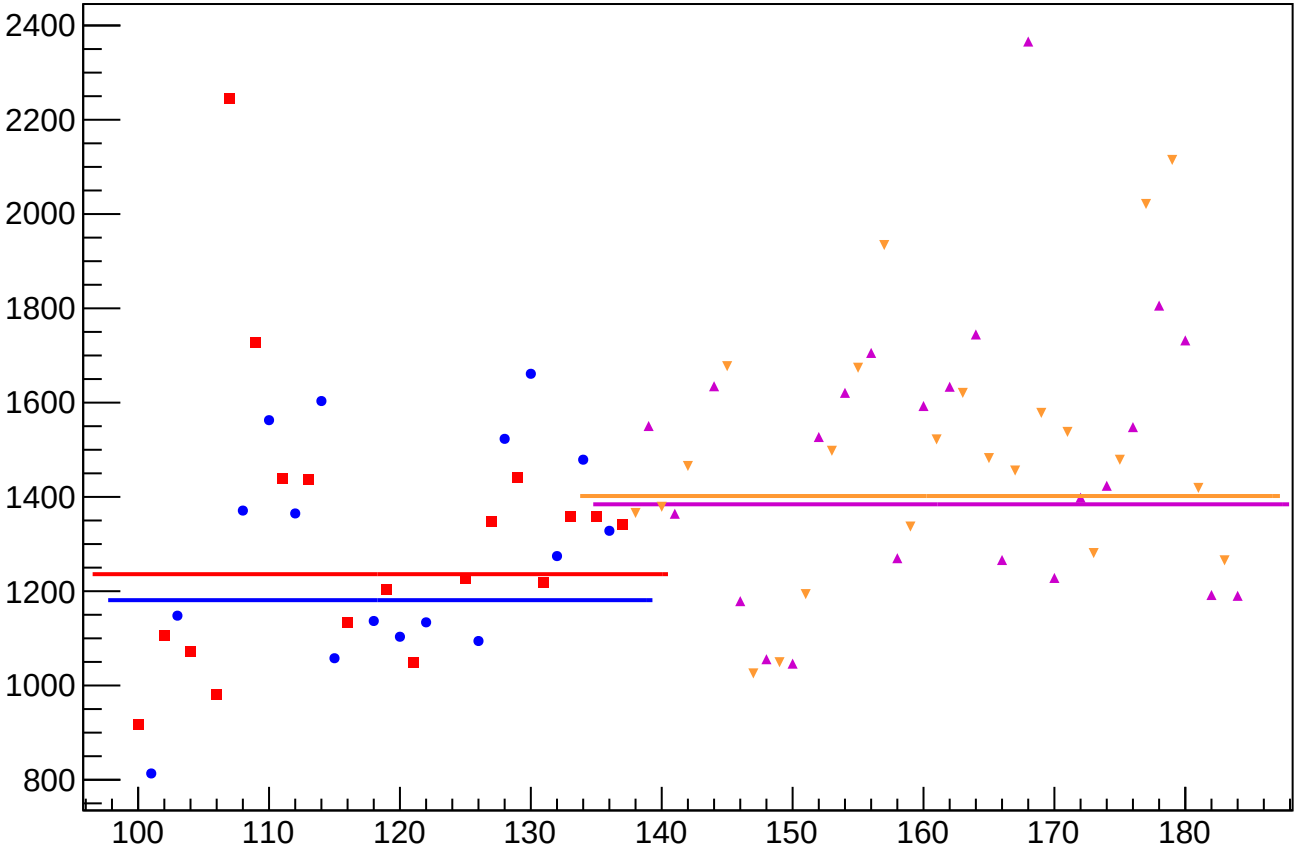
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

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

All: -48.072+/-190.111 χ^2/NDF: 72.1/79

- sign 53.592+/-269.030 χ^2/NDF: 28.5/40

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

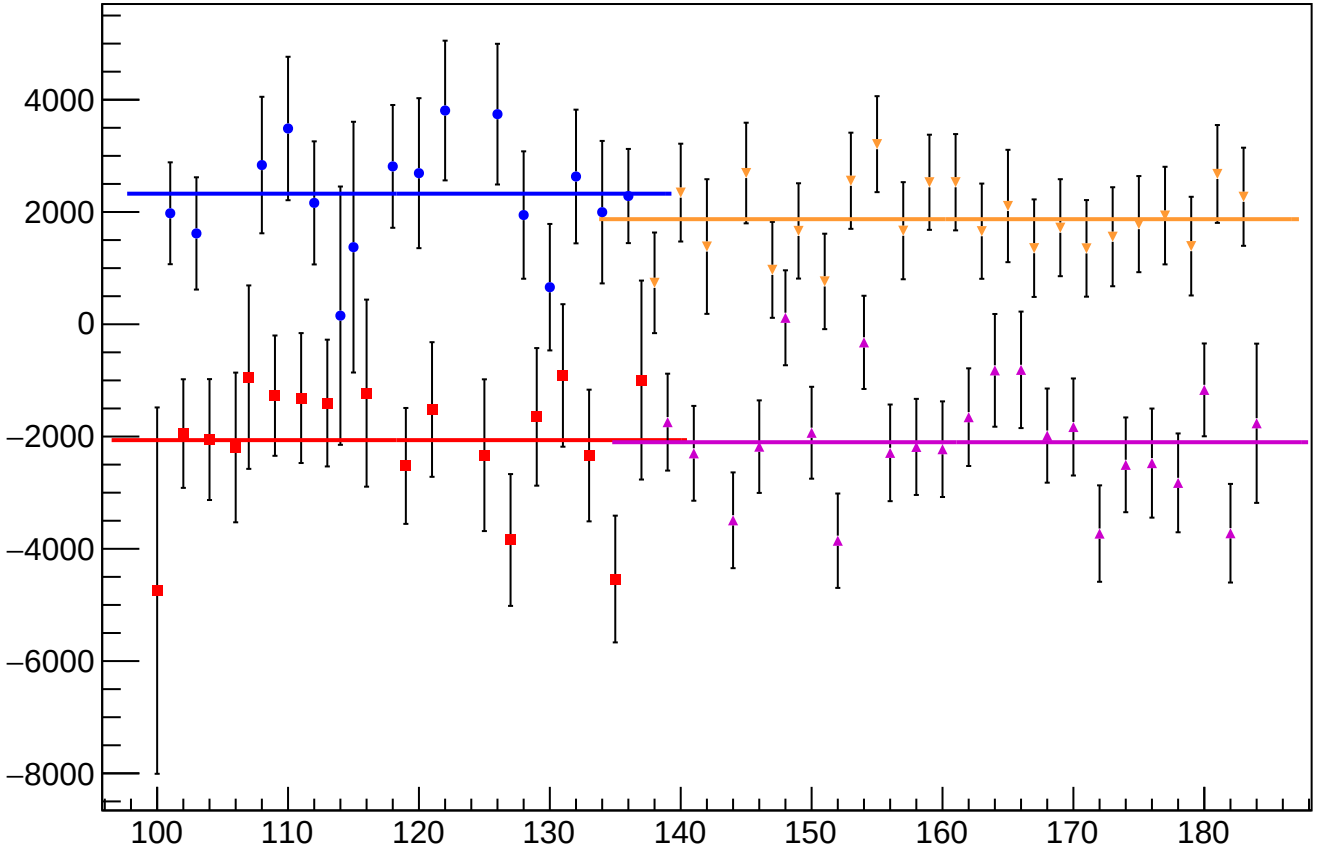
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

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

All: 1328.739+/-0.134 χ^2/NDF: 3817485.8/79

- sign 1334.508+/-0.190 χ^2/NDF: 1802622.7/40

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

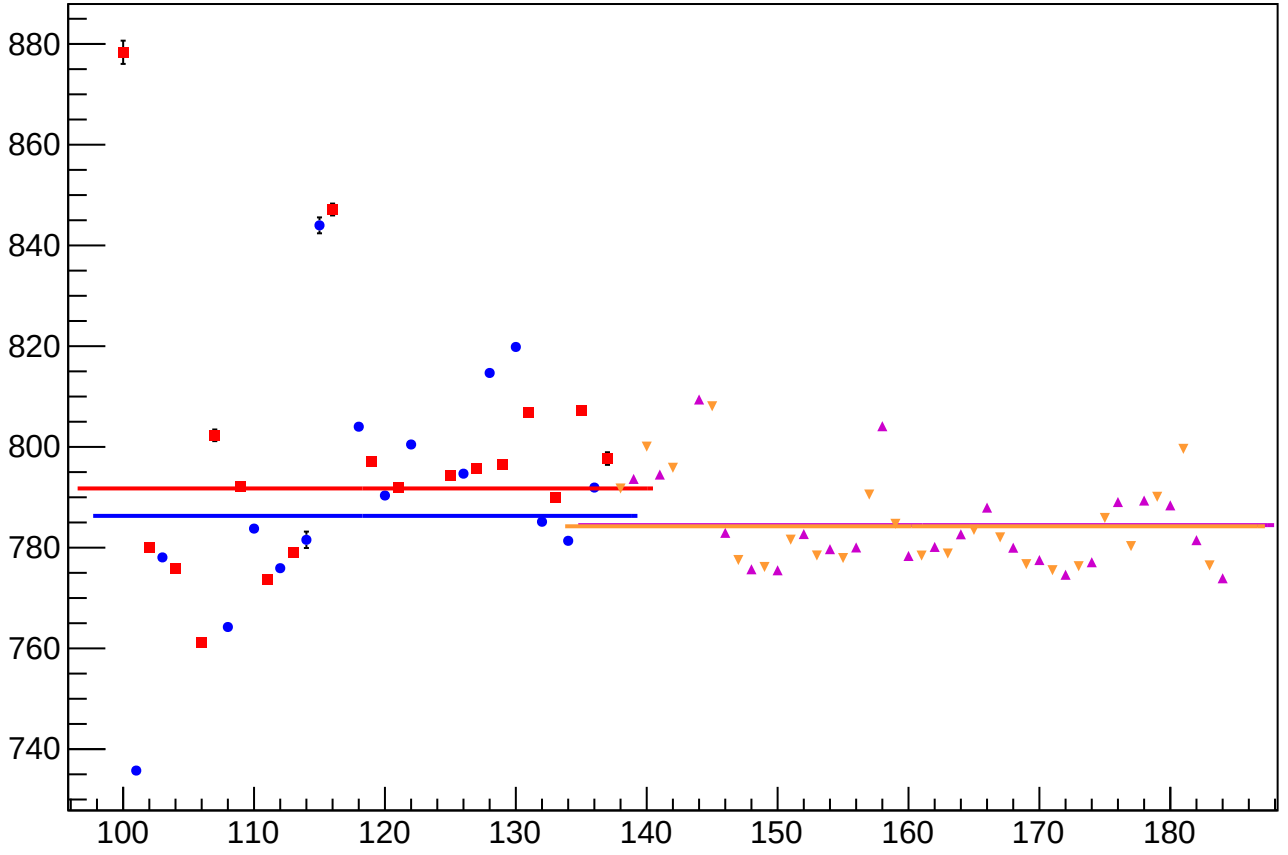
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -46.889+/-109.753 χ^2/NDF: 413.1/79

- sign -2090.567+/-155.142 χ^2/NDF: 43.4/40

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

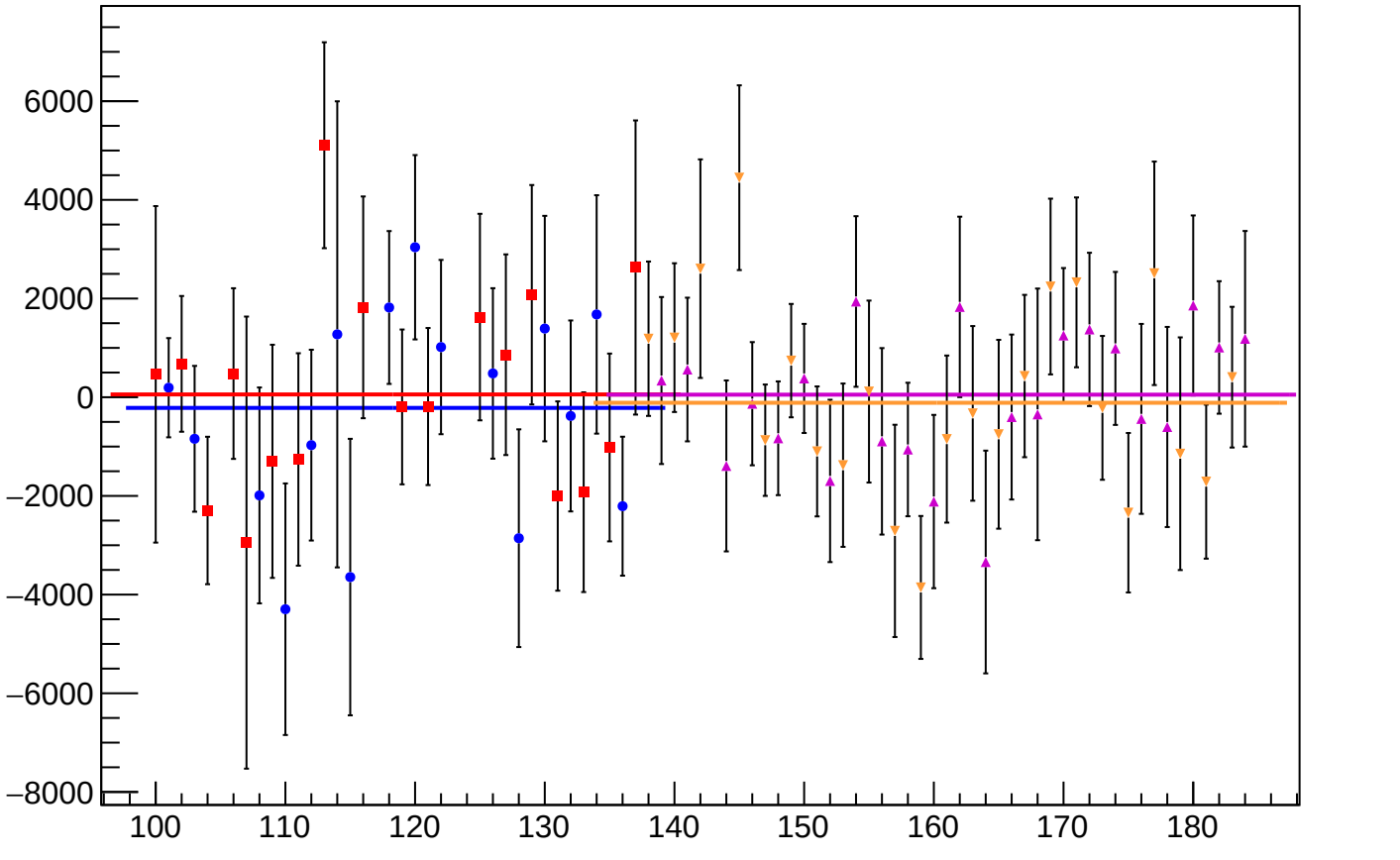
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 785.680+/-0.078 χ^2/NDF: 30252.2/79

- sign 786.532+/-0.110 χ^2/NDF: 12836.7/40



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

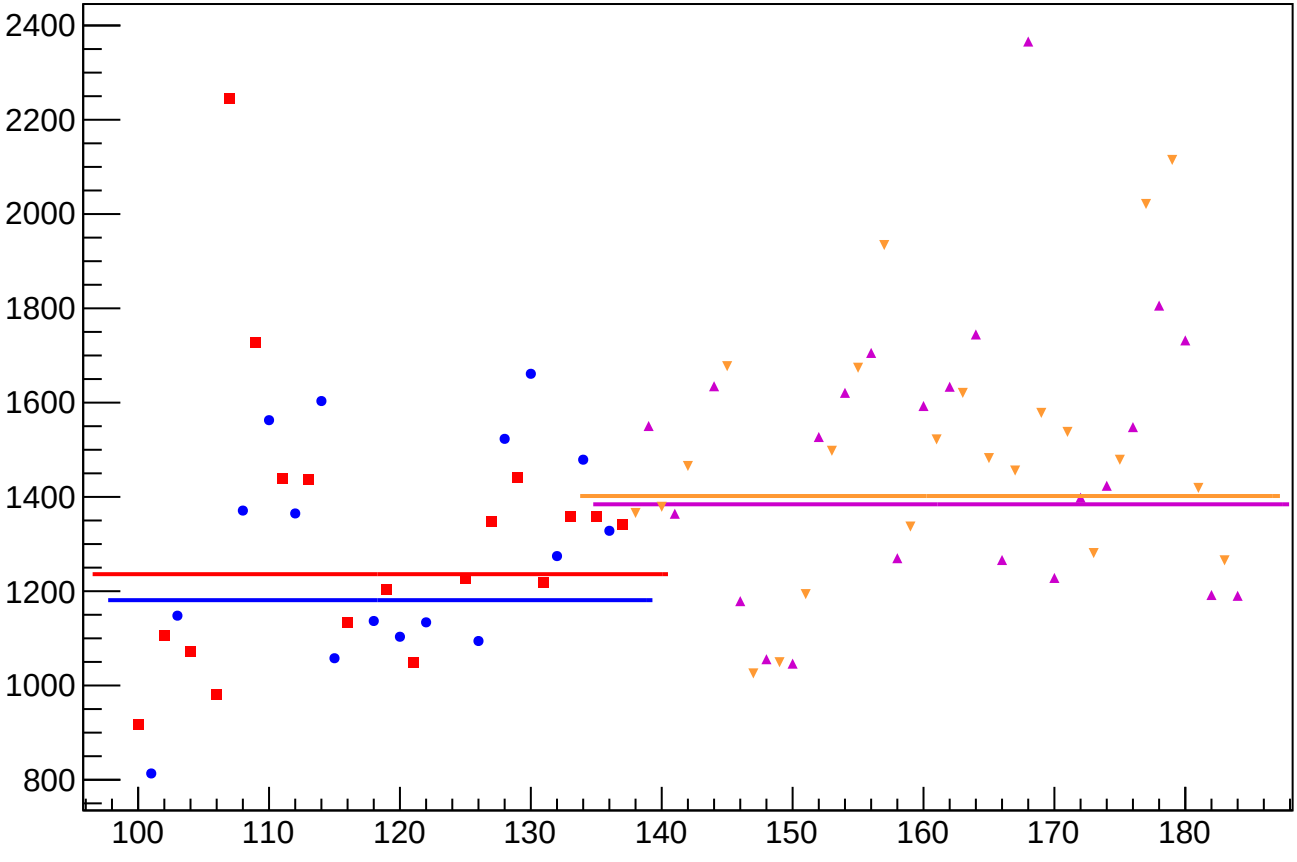
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

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

All: -48.073+/-190.111 χ^2/NDF: 72.1/79

- sign 53.592+/-269.030 χ^2/NDF: 28.5/40

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

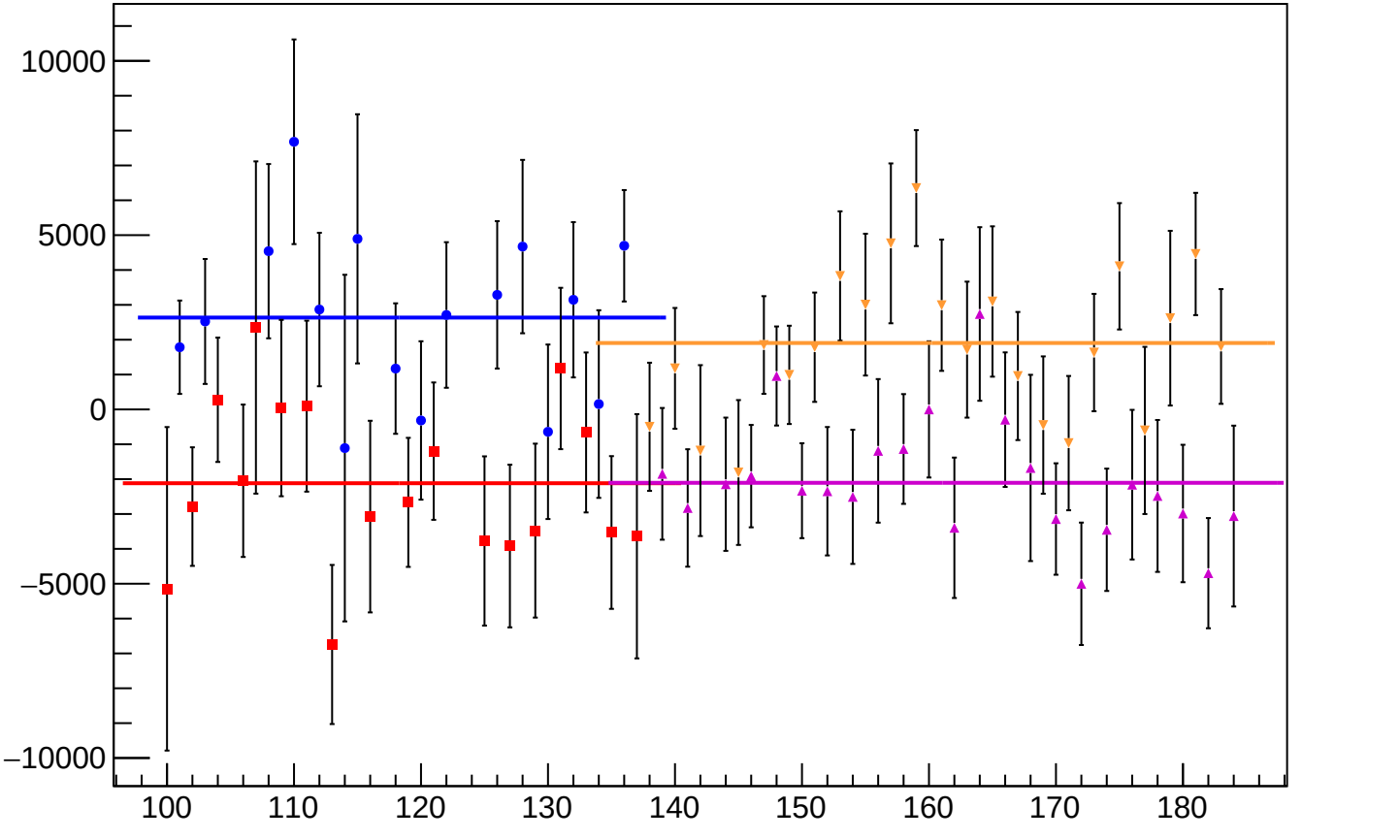
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

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

All: 1328.740+/-0.134 χ^2/NDF: 3817511.3/79

- sign 1334.508+/-0.190 χ^2/NDF: 1802632.9/40



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

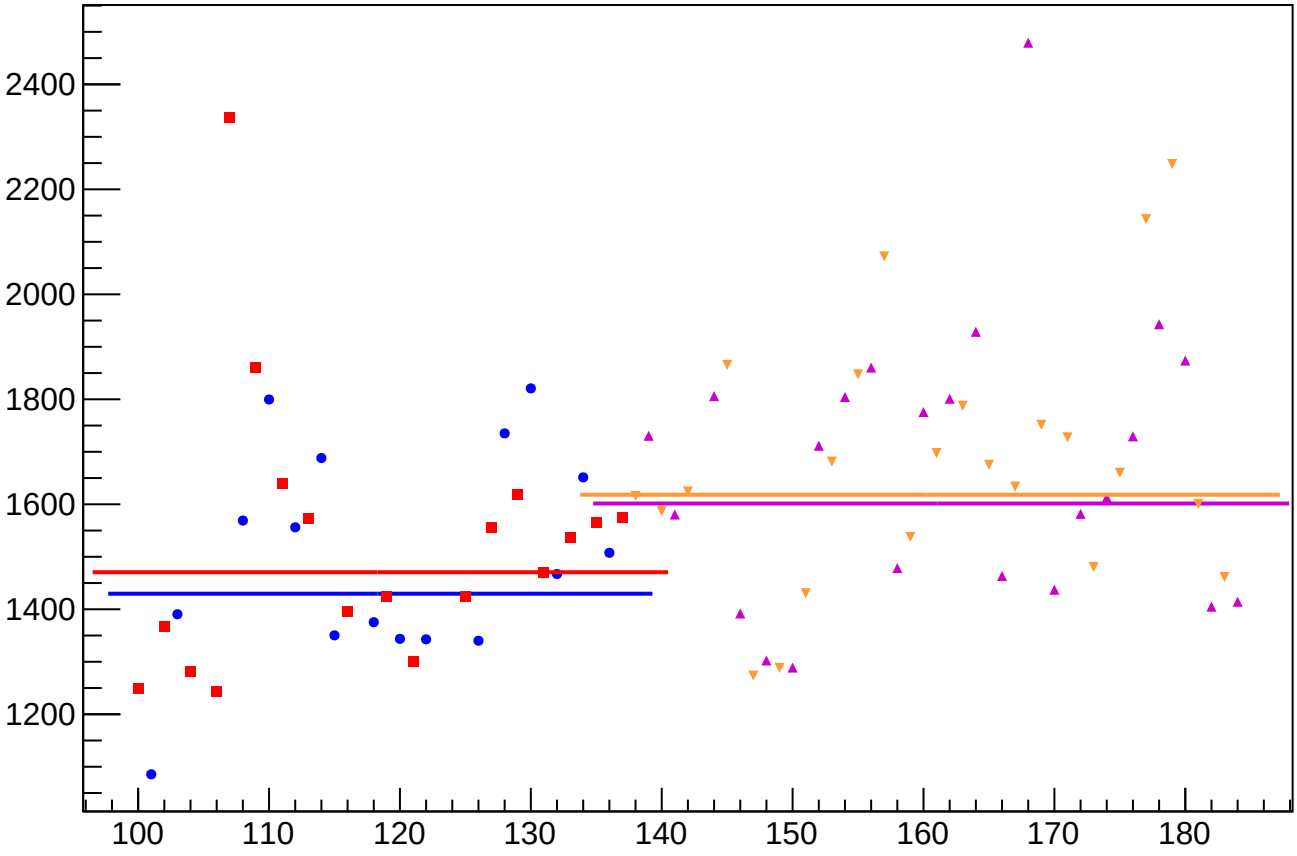
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

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

All: 16.706+/-220.607 χ^2/NDF: 165.6/79

- sign -2109.221+/-311.646 χ^2/NDF: 32.3/40

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

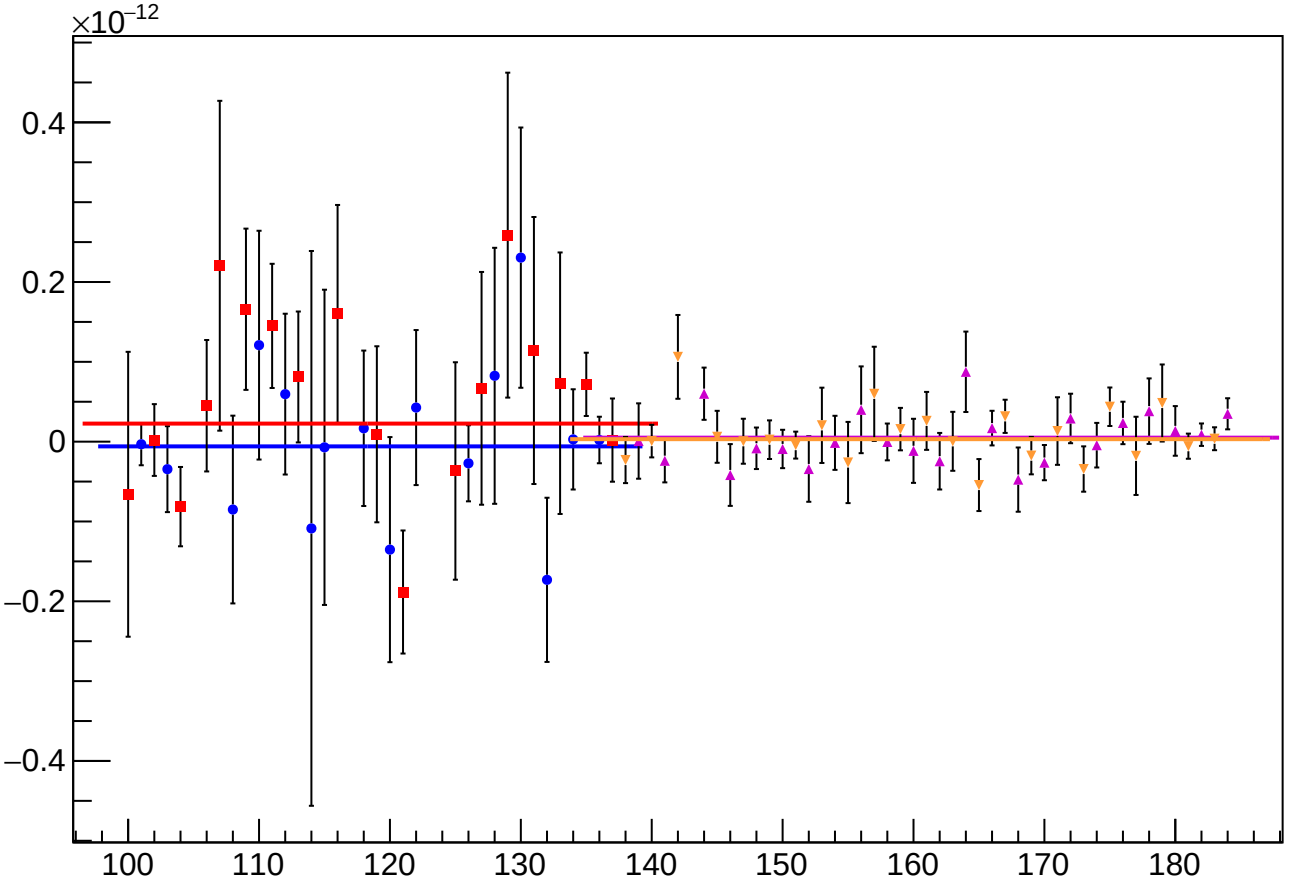
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

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

All: 1556.888+/-0.156 χ^2/NDF: 2235433.6/79

- sign 1559.071+/-0.220 χ^2/NDF: 1089112.2/40

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

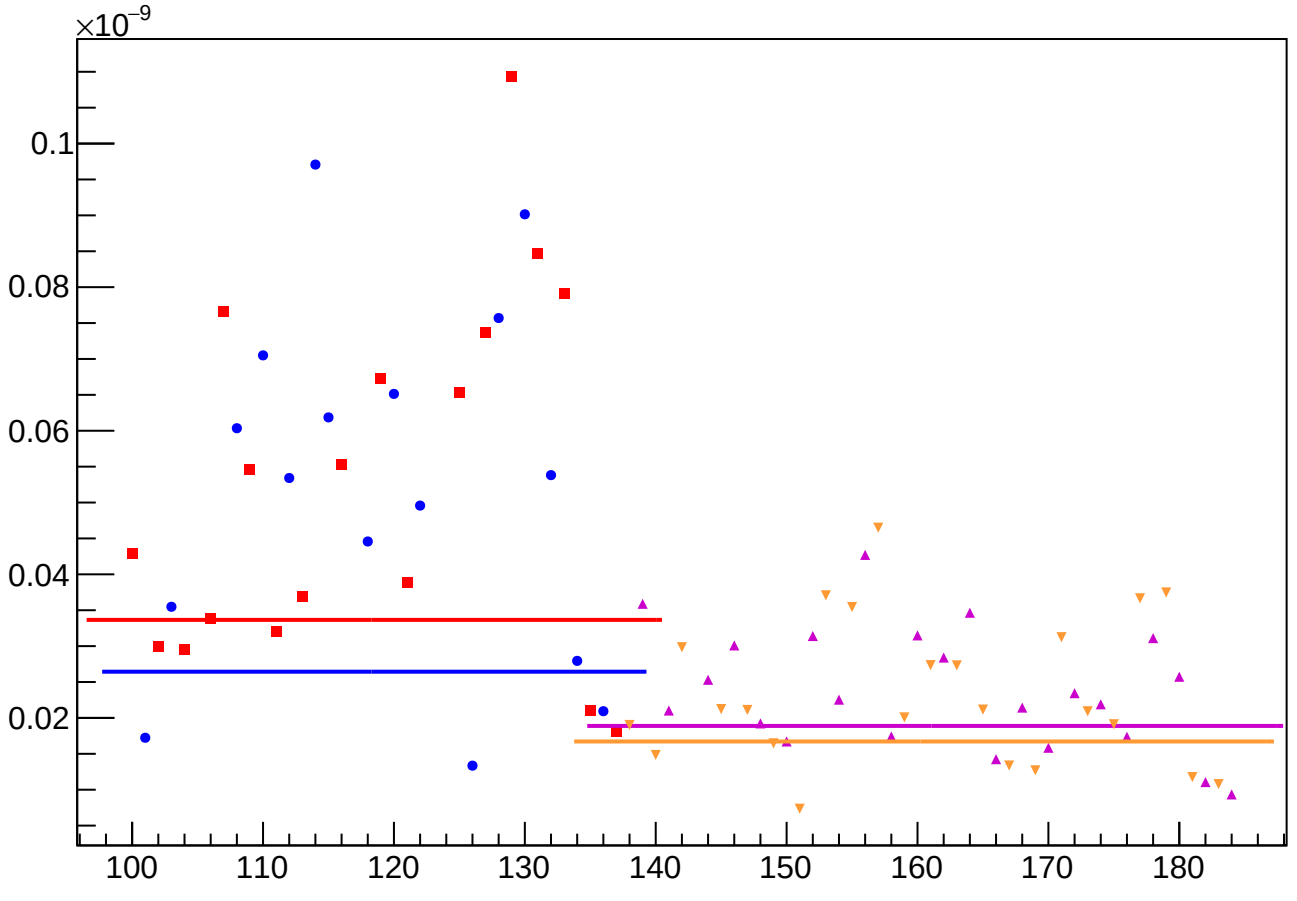
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.6/38

All: 0.000+/-0.000 χ^2/NDF: 71.2/79

- sign 0.000+/-0.000 χ^2/NDF: 43.3/40



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

Left Out: 0.000+/-0.000 χ^2/NDF:4066681.7/22

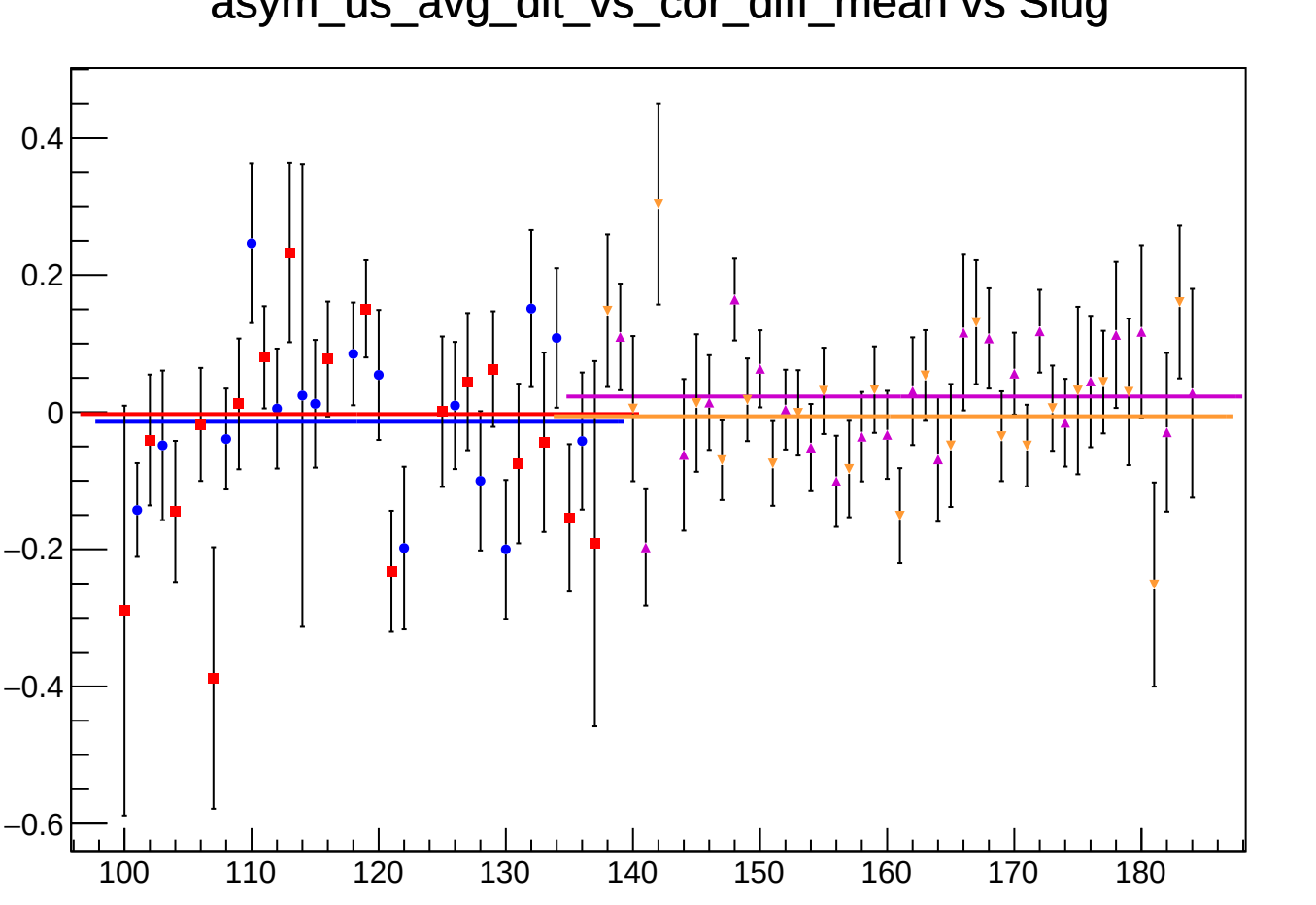
Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6931810.7/38

All: 0.000+/-0.000 χ^2/NDF: 13303052.6/79

- sign 0.000+/-0.000 χ^2/NDF: 6165488.5/40



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

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

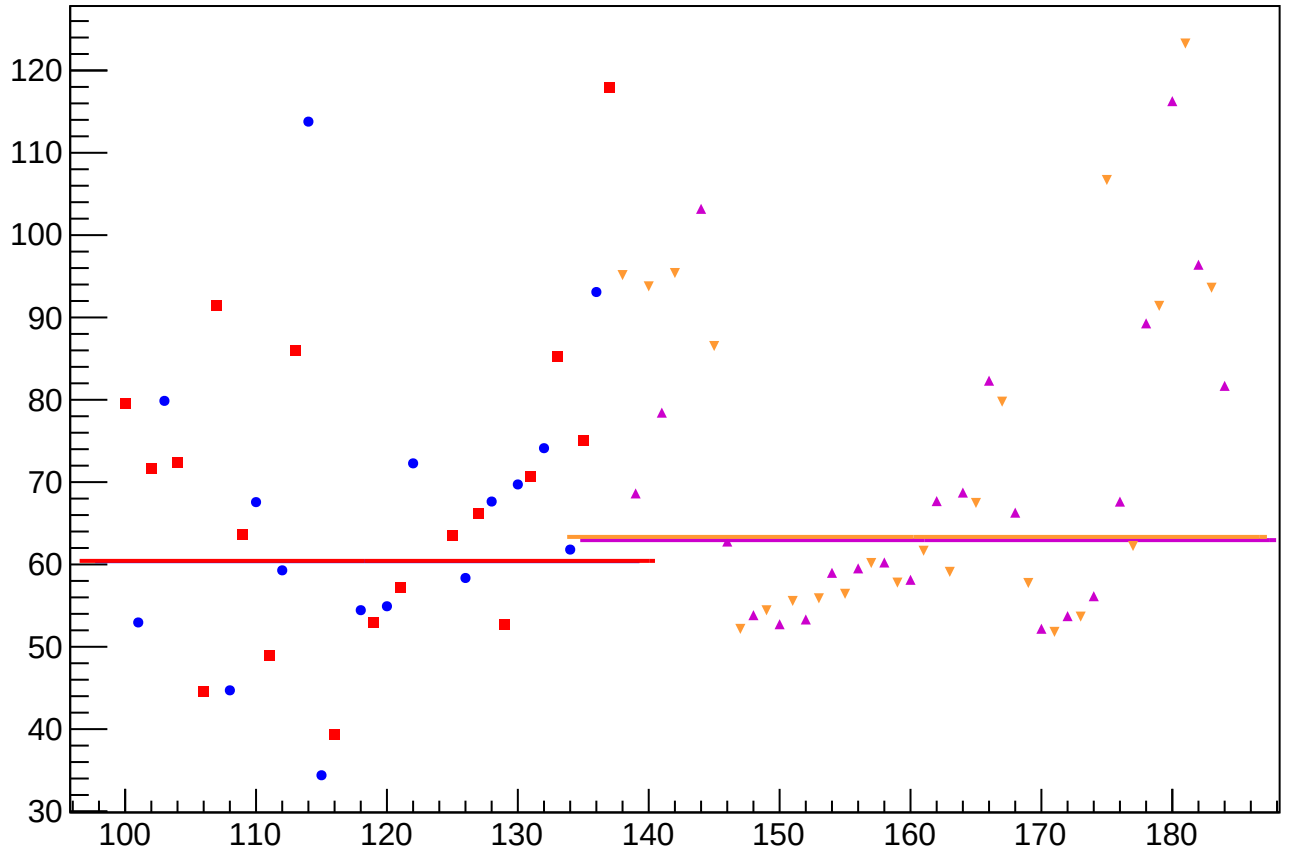
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.004+/-0.009 χ^2/NDF: 105.6/79

- sign 0.015+/-0.013 χ^2/NDF: 57.5/40



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

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

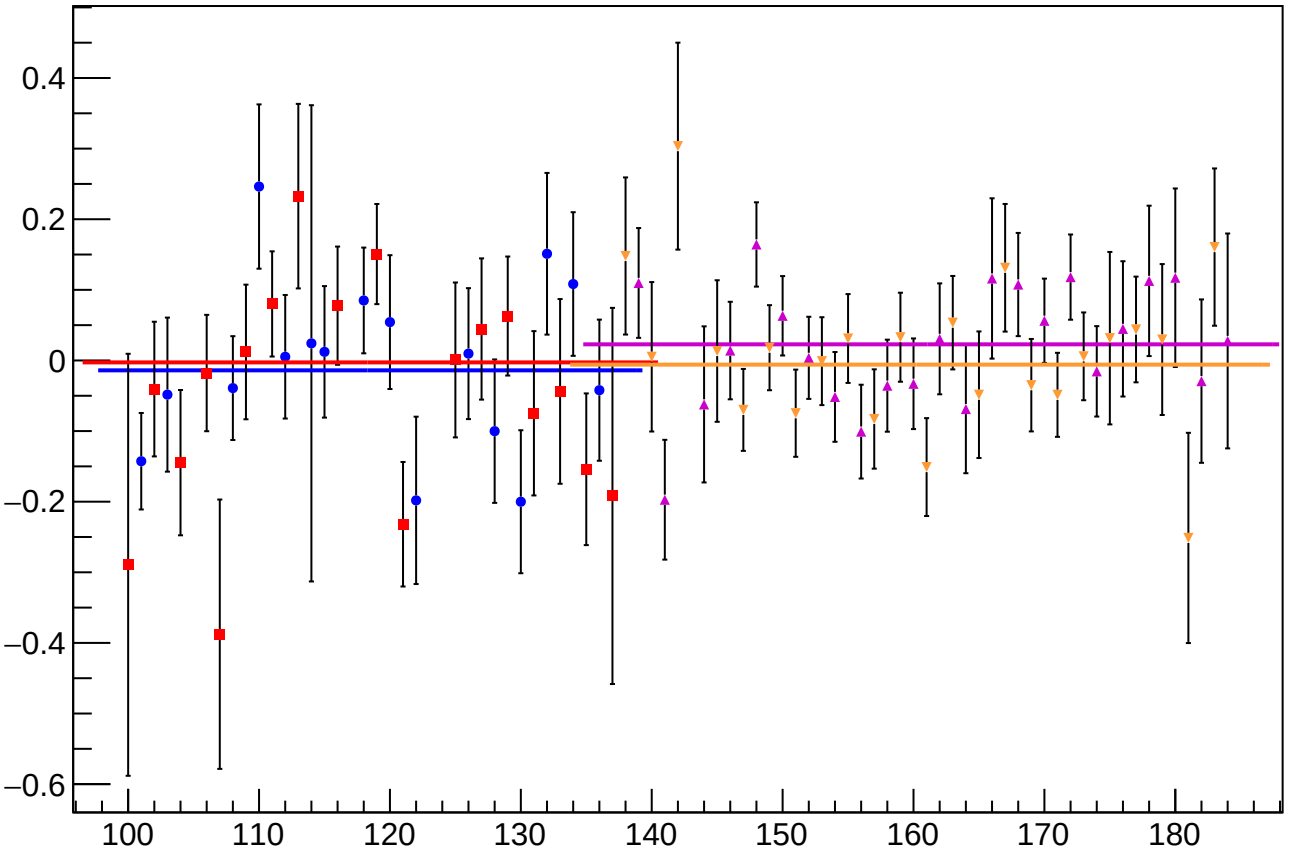
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

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

All: 62.327+/-0.007 χ^2/NDF: 4715774.7/79

- sign 62.205+/-0.009 χ^2/NDF: 2157292.8/40



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

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

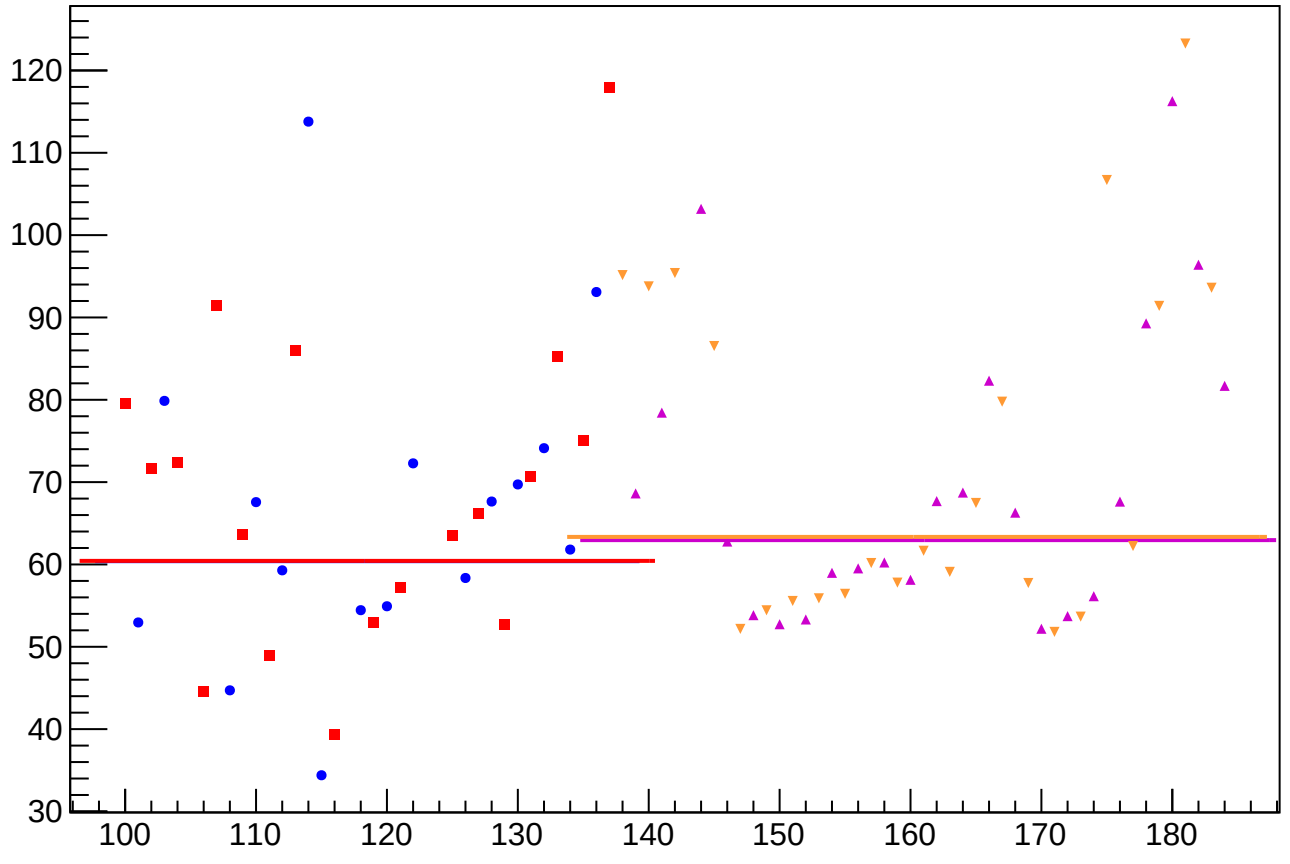
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.004+/-0.009 χ^2/NDF: 105.6/79

- sign 0.015+/-0.013 χ^2/NDF: 57.5/40



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

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

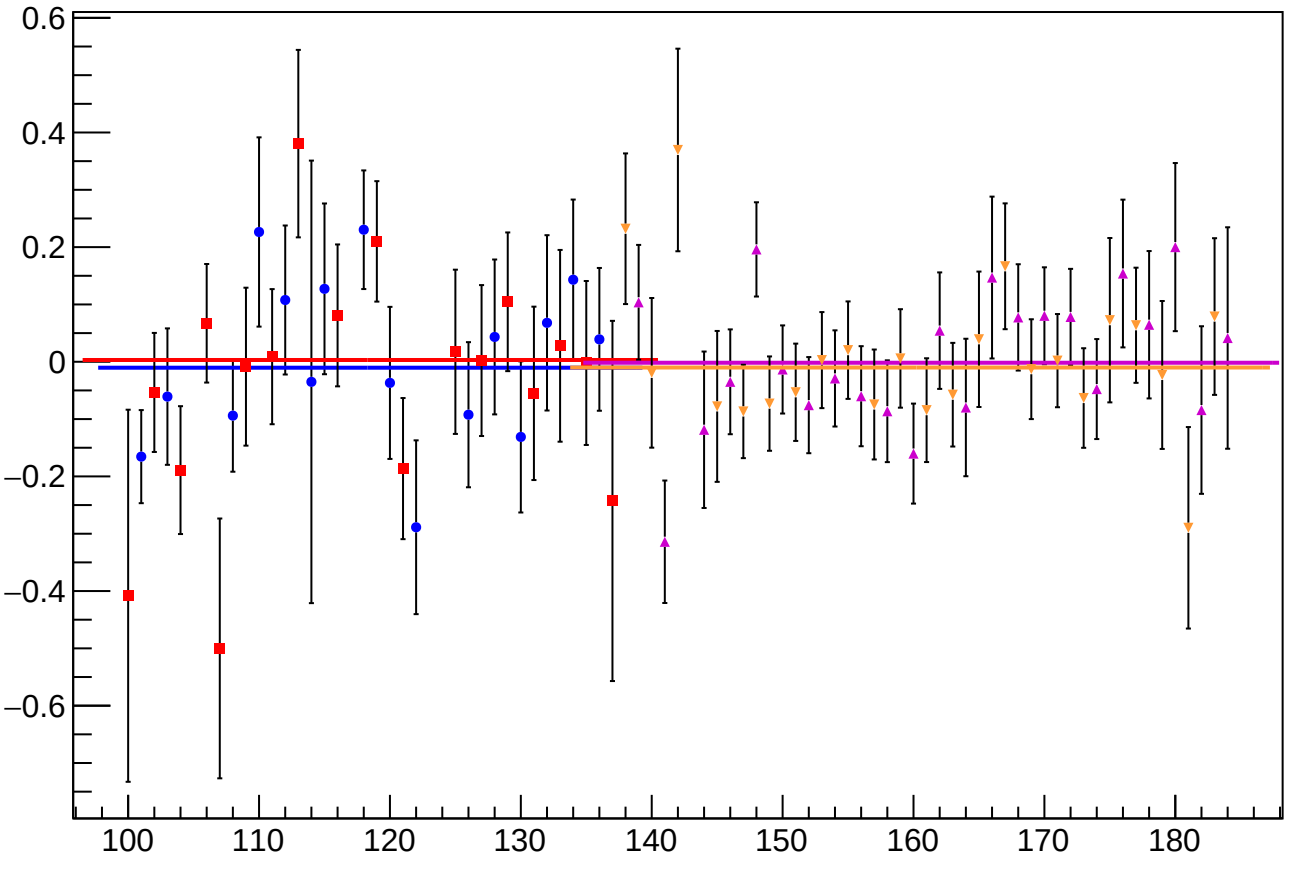
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

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

All: 62.327+/-0.007 χ^2/NDF: 4715774.7/79

- sign 62.205+/-0.009 χ^2/NDF: 2157292.8/40



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

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

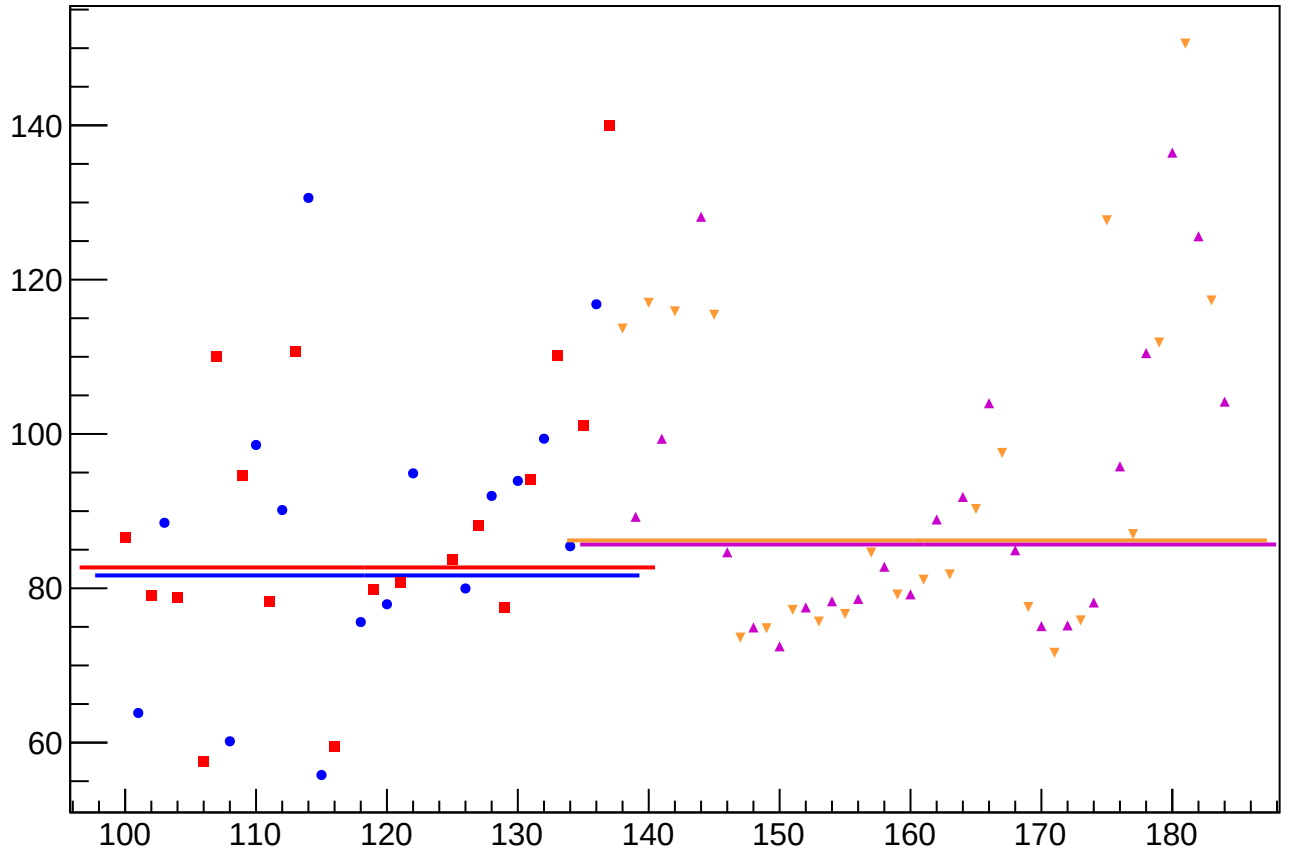
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

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

All: -0.005+/-0.012 χ^2/NDF: 93.1/79

- sign -0.000+/-0.017 χ^2/NDF: 54.2/40



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

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

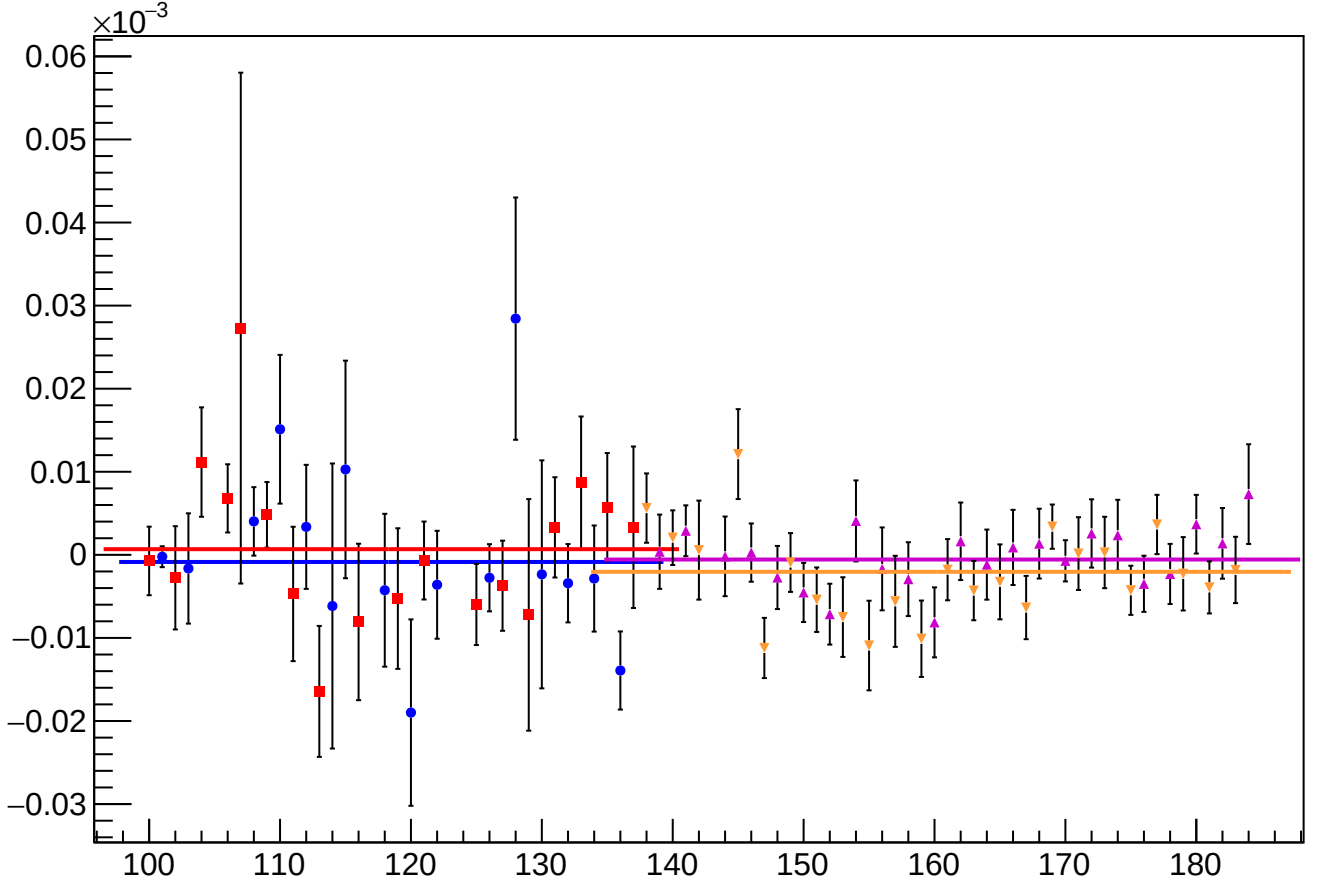
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

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

All: 84.806+/-0.009 χ^2/NDF: 3370283.9/79

- sign 84.792+/-0.012 χ^2/NDF: 1481293.5/40



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

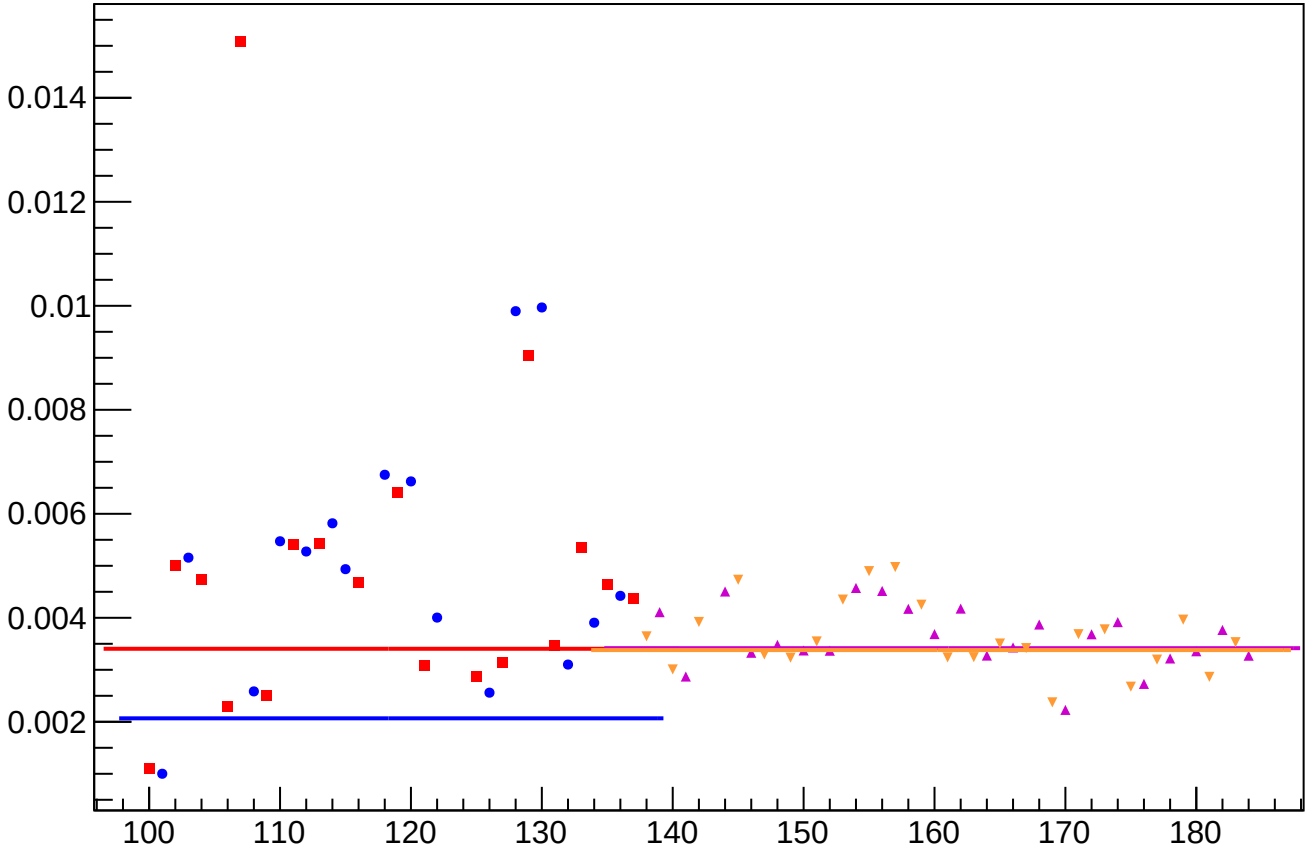
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 96.3/79

- sign -0.000+/-0.000 χ^2/NDF: 35.5/40

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

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

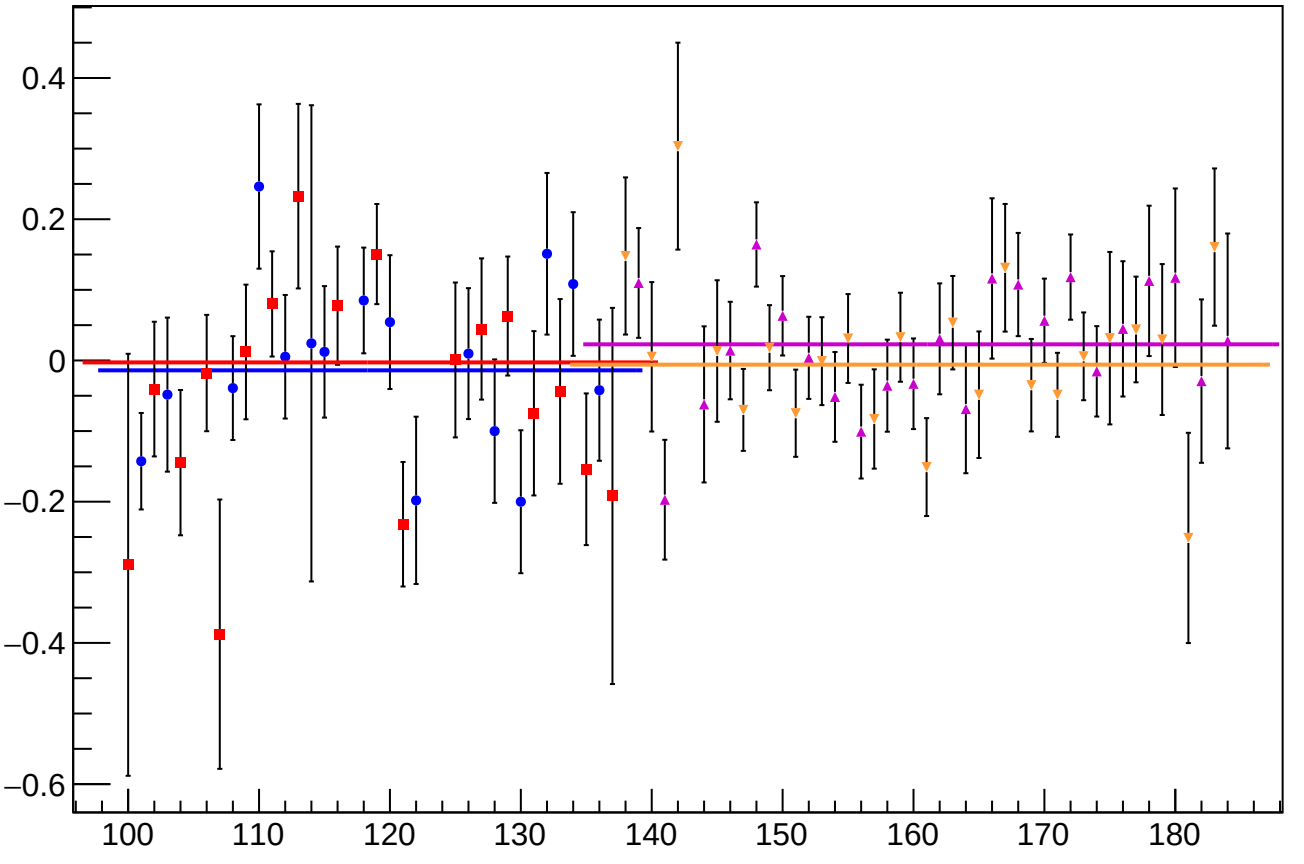
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

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

All: 0.003+/-0.000 χ^2/NDF: 13397307.5/79

- sign 0.003+/-0.000 χ^2/NDF: 3661760.8/40



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

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

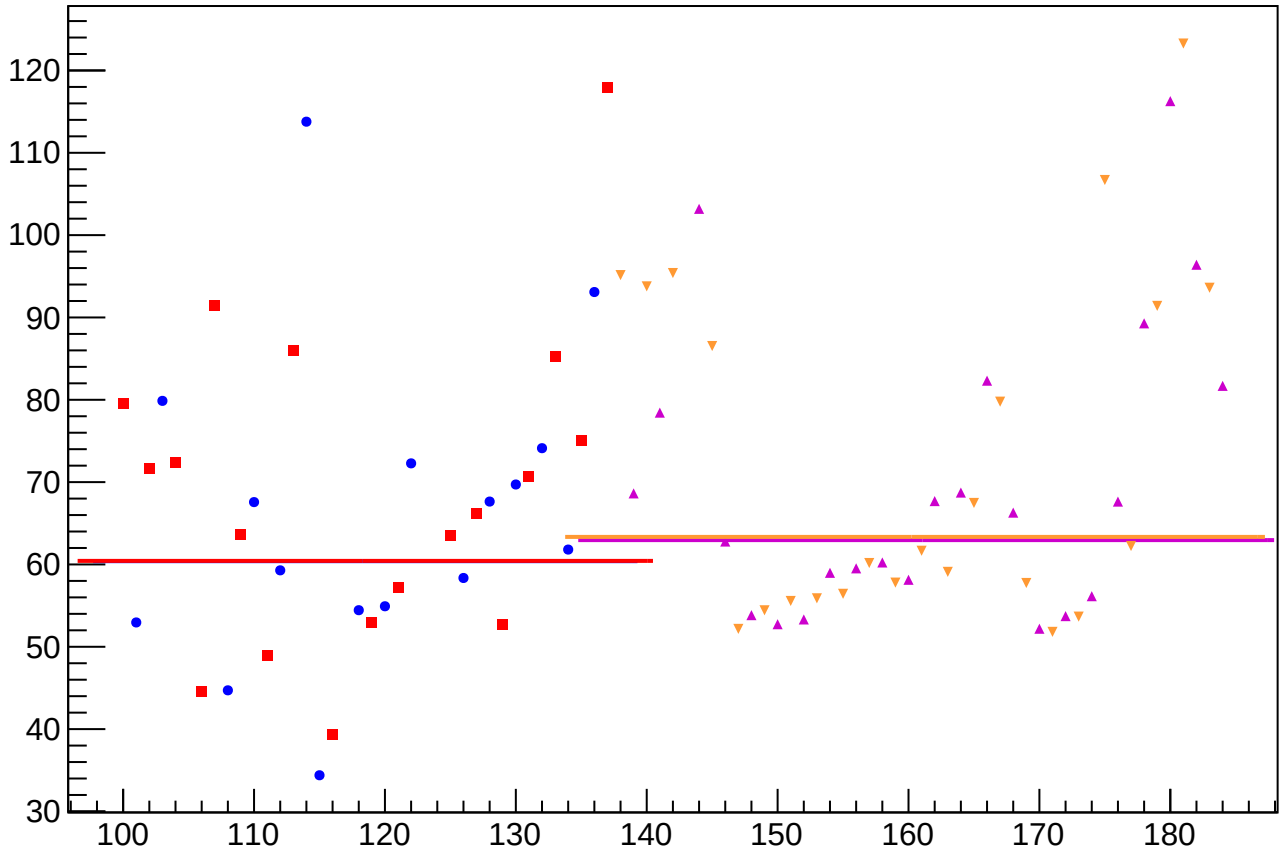
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.004+/-0.009 χ^2/NDF: 105.6/79

- sign 0.015+/-0.013 χ^2/NDF: 57.5/40



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

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

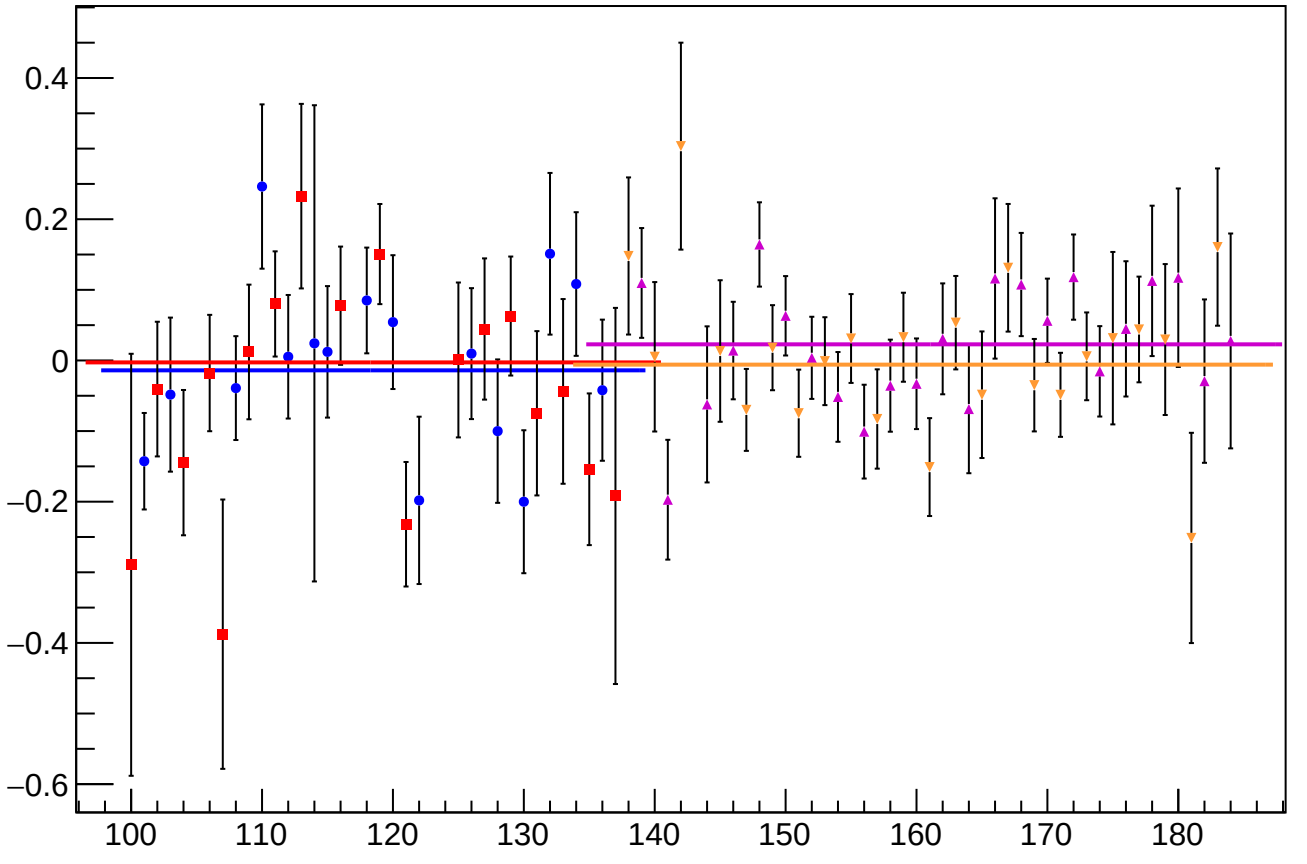
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

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

All: 62.327+/-0.007 χ^2/NDF: 4715826.7/79

- sign 62.205+/-0.009 χ^2/NDF: 2157322.6/40



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

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

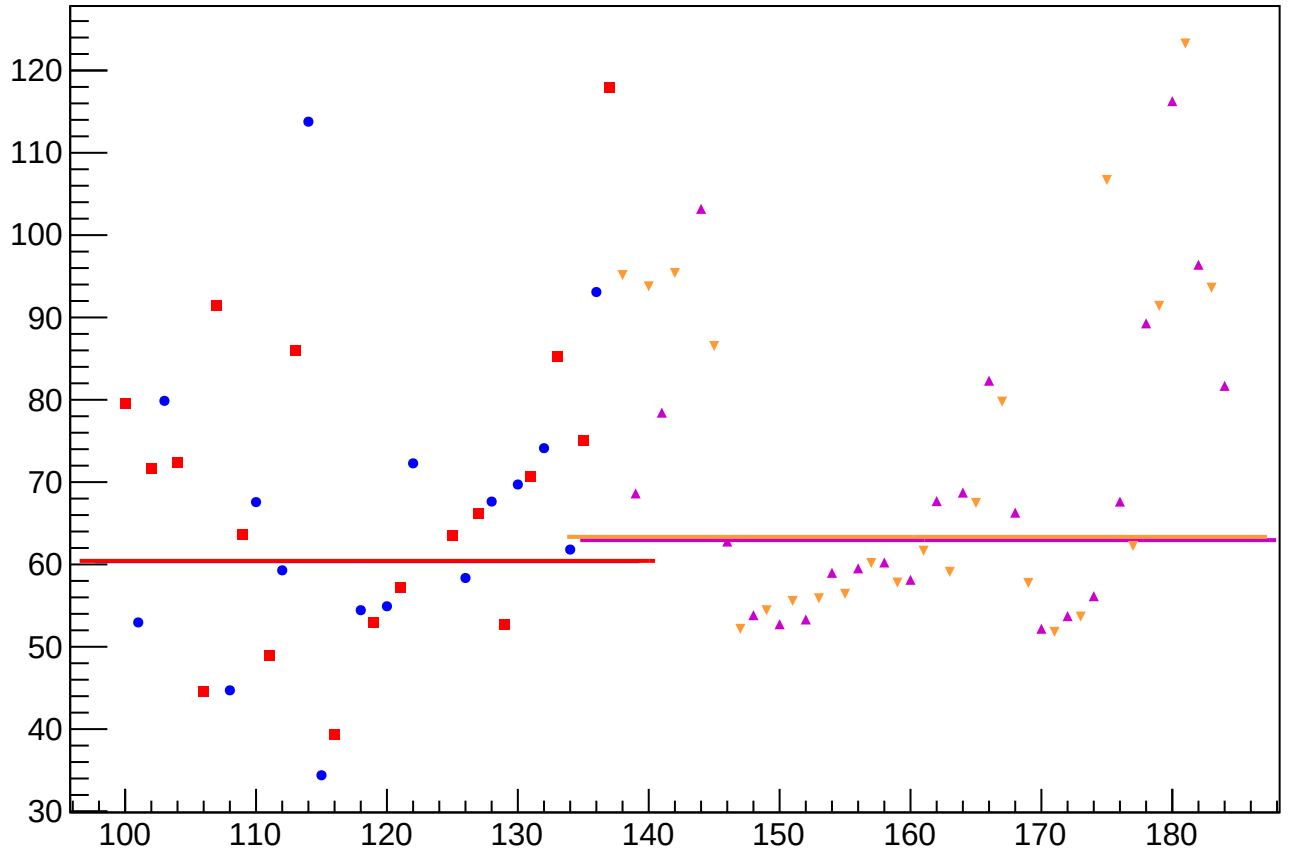
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.004+/-0.009 χ^2/NDF: 105.6/79

- sign 0.015+/-0.013 χ^2/NDF: 57.5/40



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

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

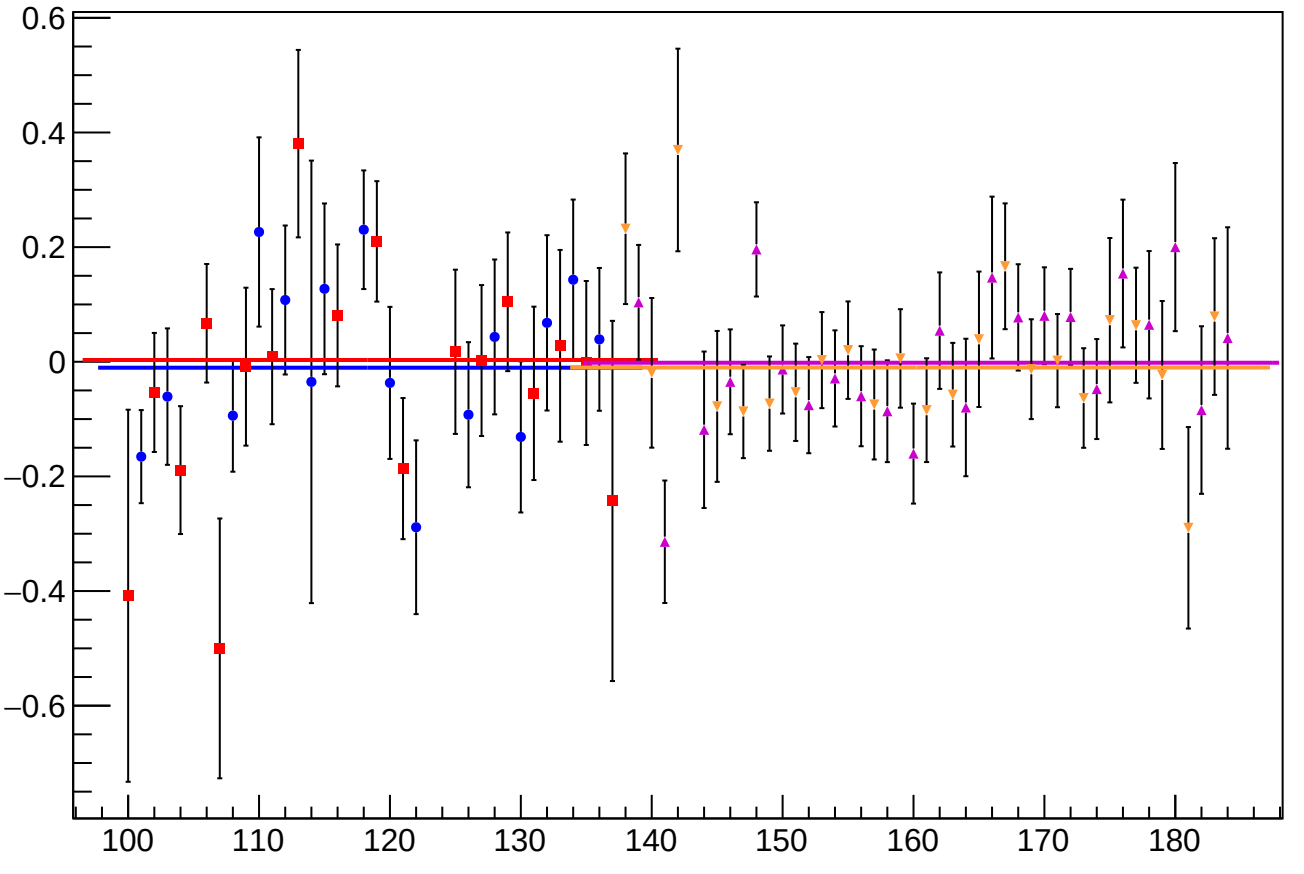
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

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

All: 62.327+/-0.007 χ^2/NDF: 4715826.7/79

- sign 62.205+/-0.009 χ^2/NDF: 2157322.6/40



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

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

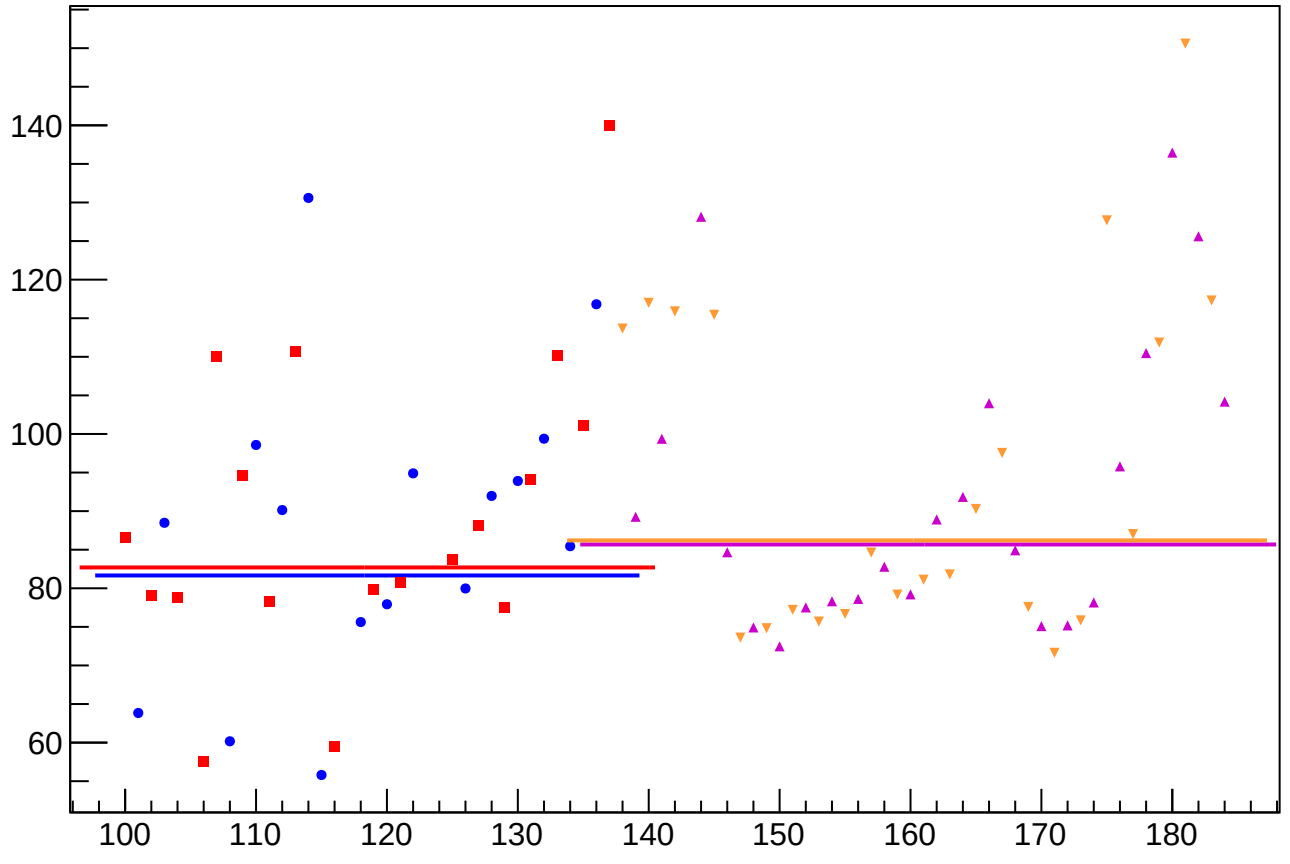
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

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

All: -0.005+/-0.012 χ^2/NDF: 93.1/79

- sign -0.000+/-0.017 χ^2/NDF: 54.2/40



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

Left Out: 86.208+/-0.015 χ^2/NDF:1298410.4/22

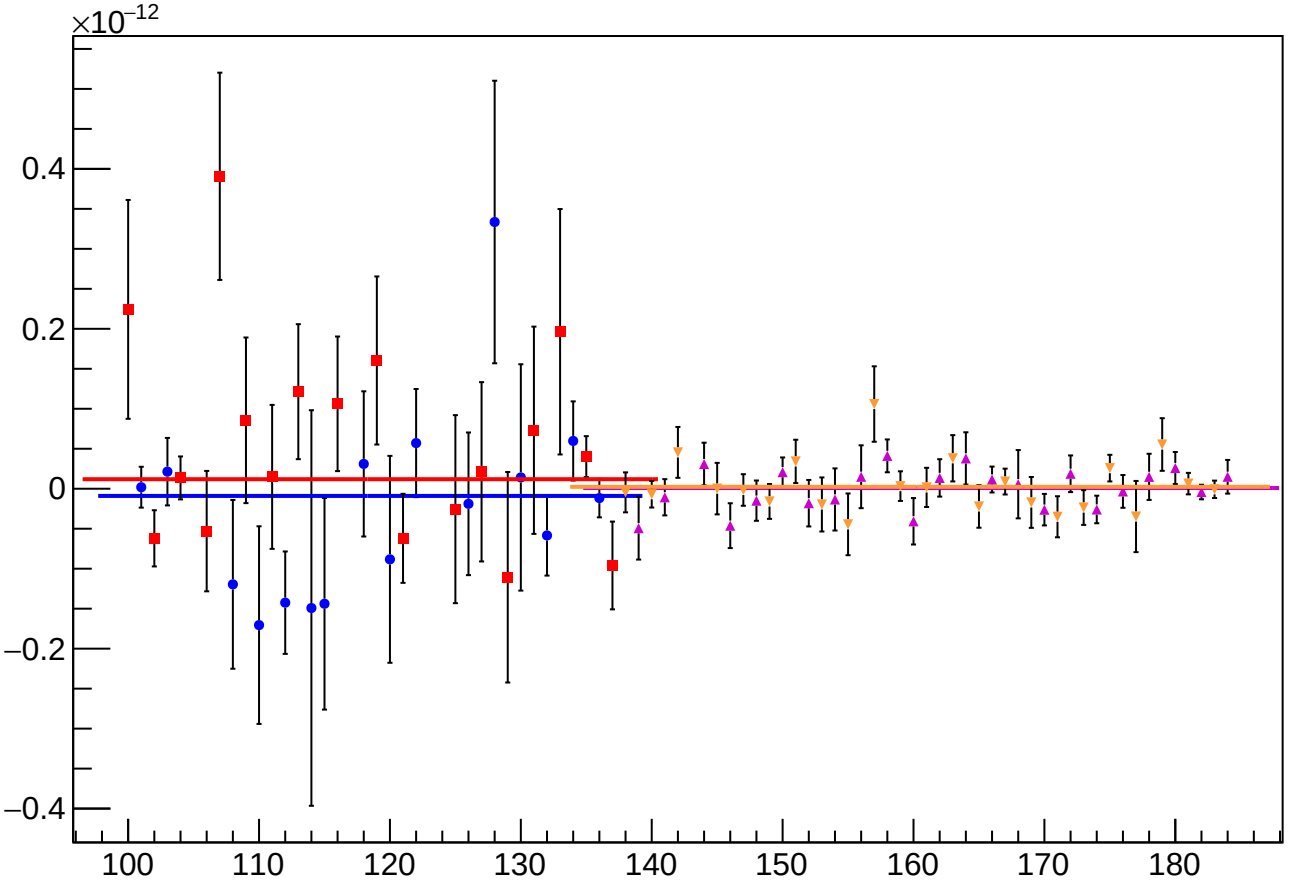
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 85.679+/-0.015 χ^2/NDF:995860.8/22

+ sign 84.820+/-0.012 χ^2/NDF: 1888980.8/38

All: 84.806+/-0.009 χ^2/NDF: 3370275.1/79

- sign 84.792+/-0.012 χ^2/NDF: 1481291.5/40



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

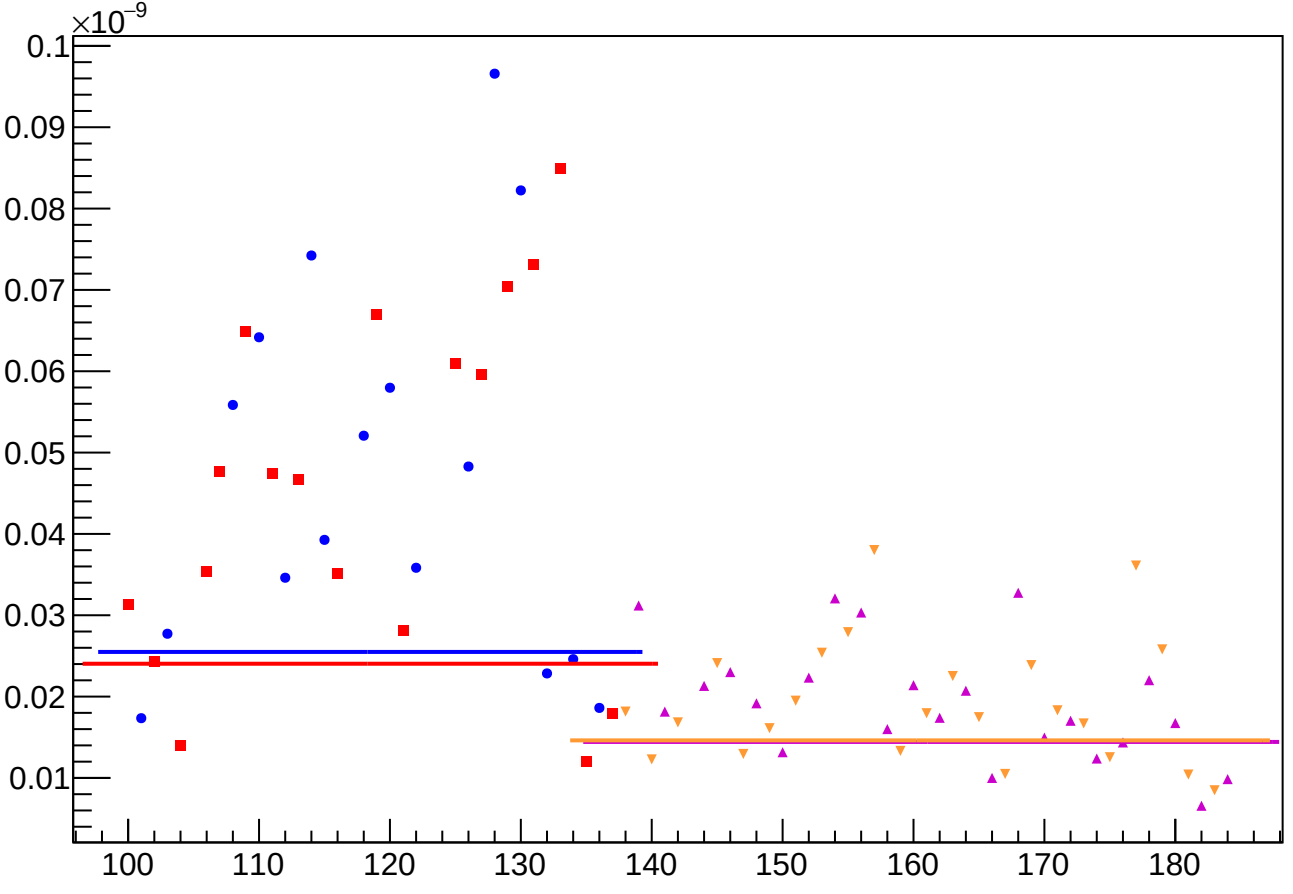
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/38

All: 0.000+/-0.000 χ^2/NDF: 96.4/79

- sign 0.000+/-0.000 χ^2/NDF: 55.3/40

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:3424161.5/22

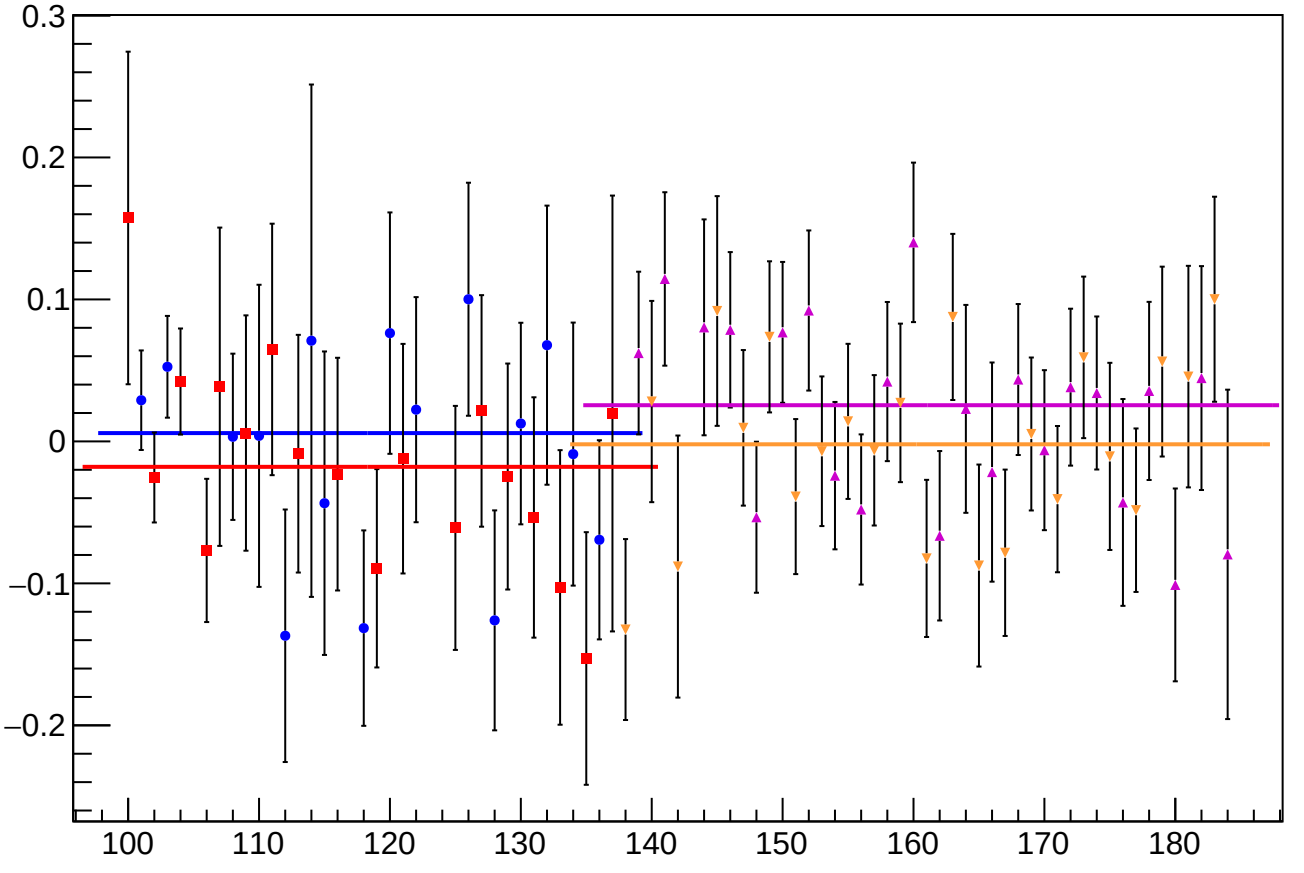
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6633372.6/38

All: 0.000+/-0.000 χ^2/NDF: 14910037.4/79

- sign 0.000+/-0.000 χ^2/NDF: 8269297.9/40



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

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

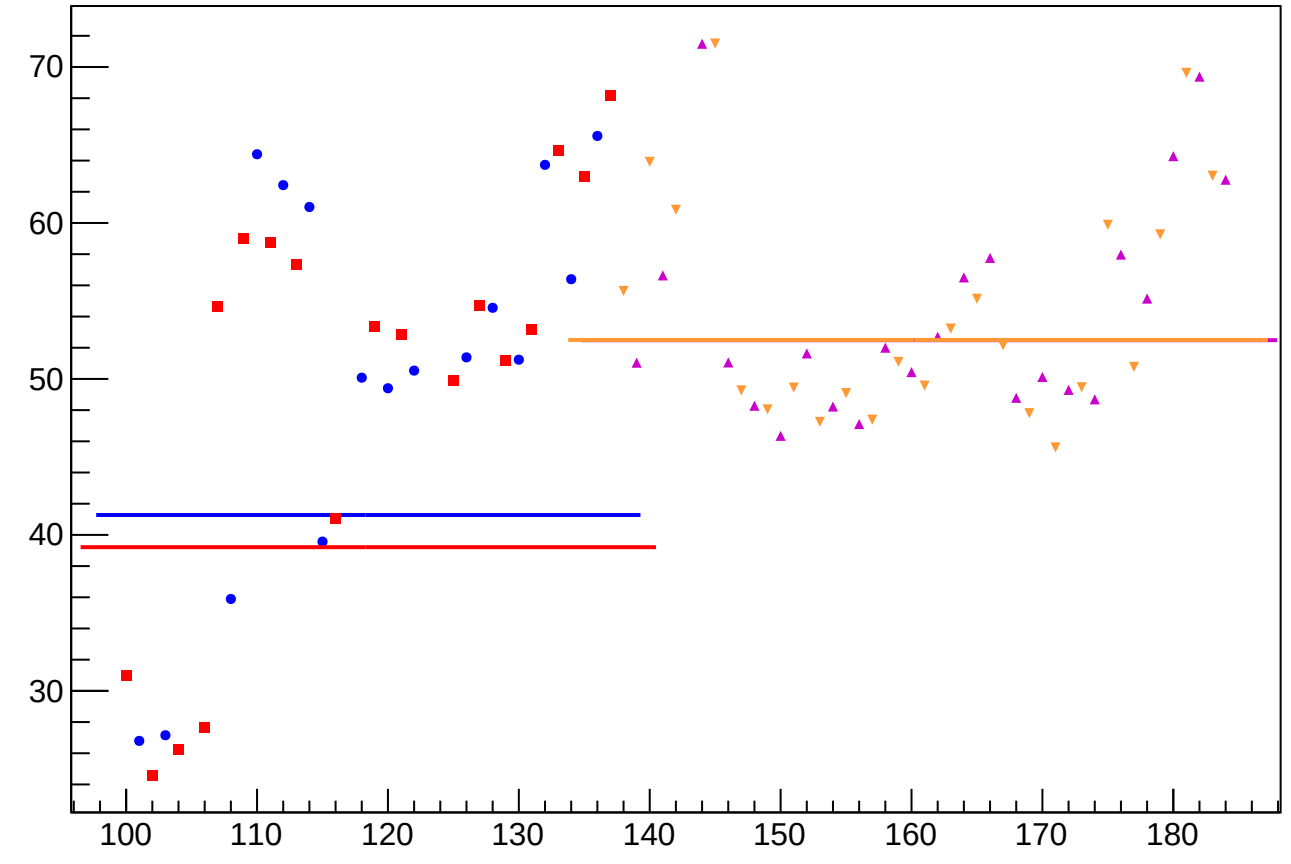
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign 0.001+/-0.010 χ^2/NDF: 38.3/38

All: 0.005+/-0.007 χ^2/NDF: 79.9/79

- sign 0.009+/-0.010 χ^2/NDF: 41.3/40



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

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

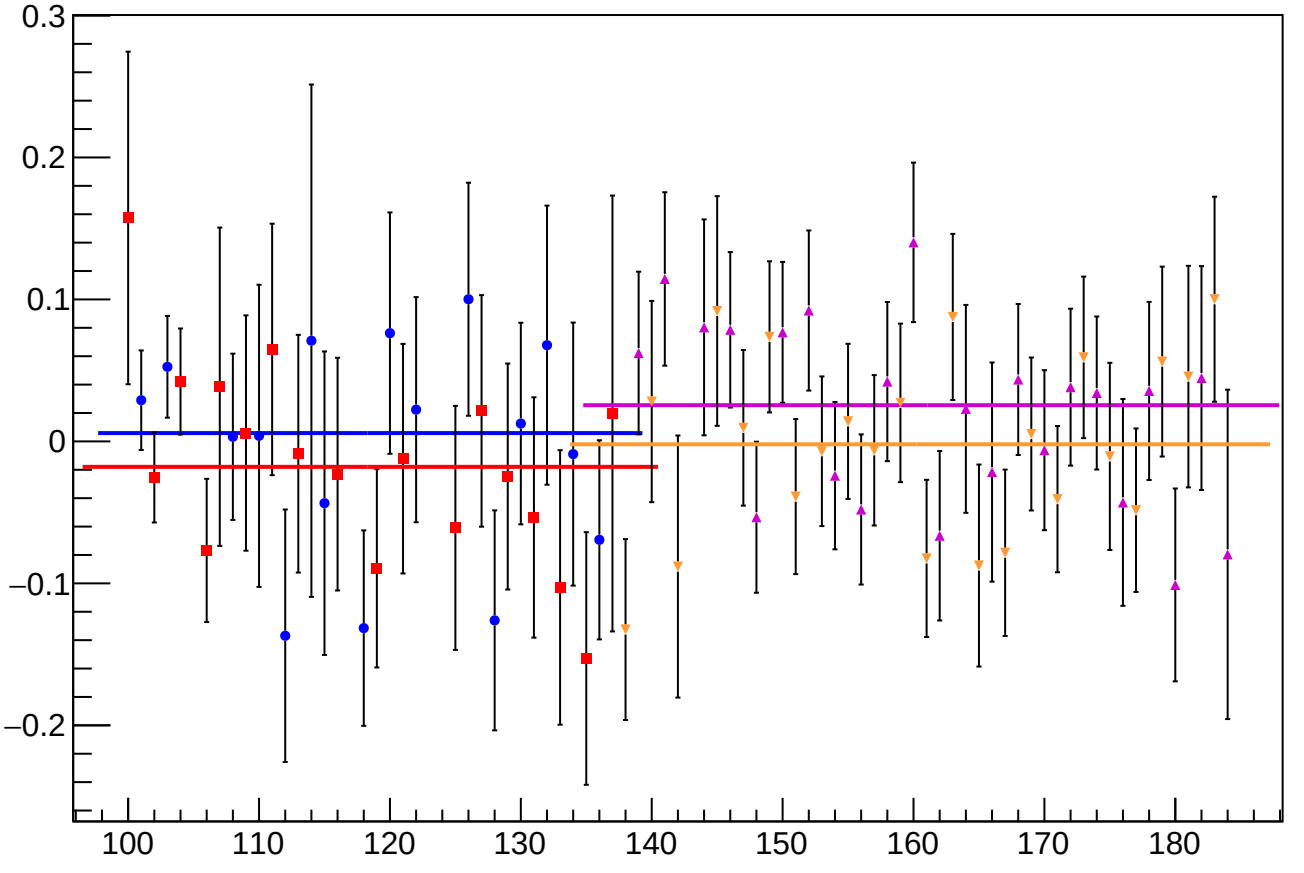
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

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

All: 47.860+/-0.005 χ^2/NDF: 5749056.4/79

- sign 47.342+/-0.007 χ^2/NDF: 3137039.2/40



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

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

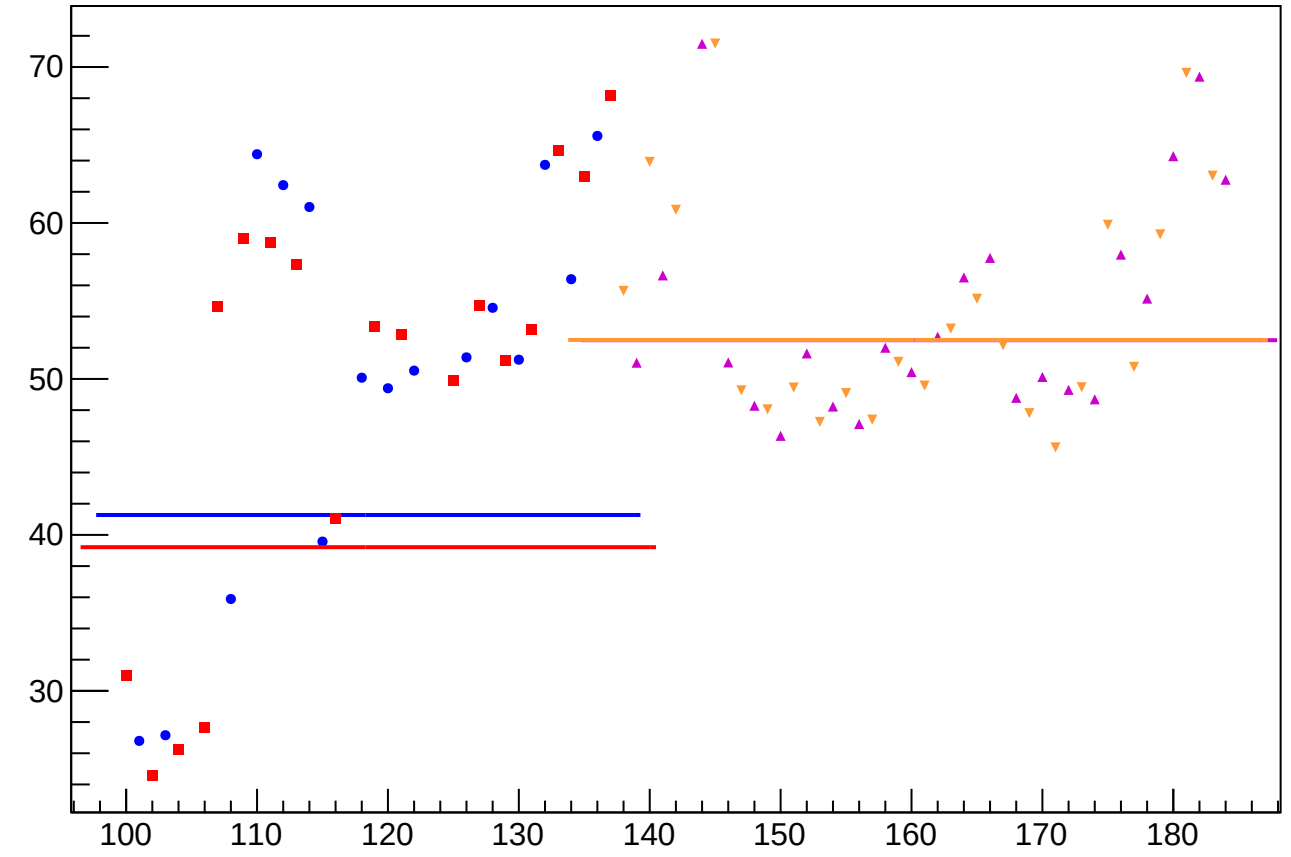
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign 0.001+/-0.010 χ^2/NDF: 38.3/38

All: 0.005+/-0.007 χ^2/NDF: 79.9/79

- sign 0.009+/-0.010 χ^2/NDF: 41.3/40



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

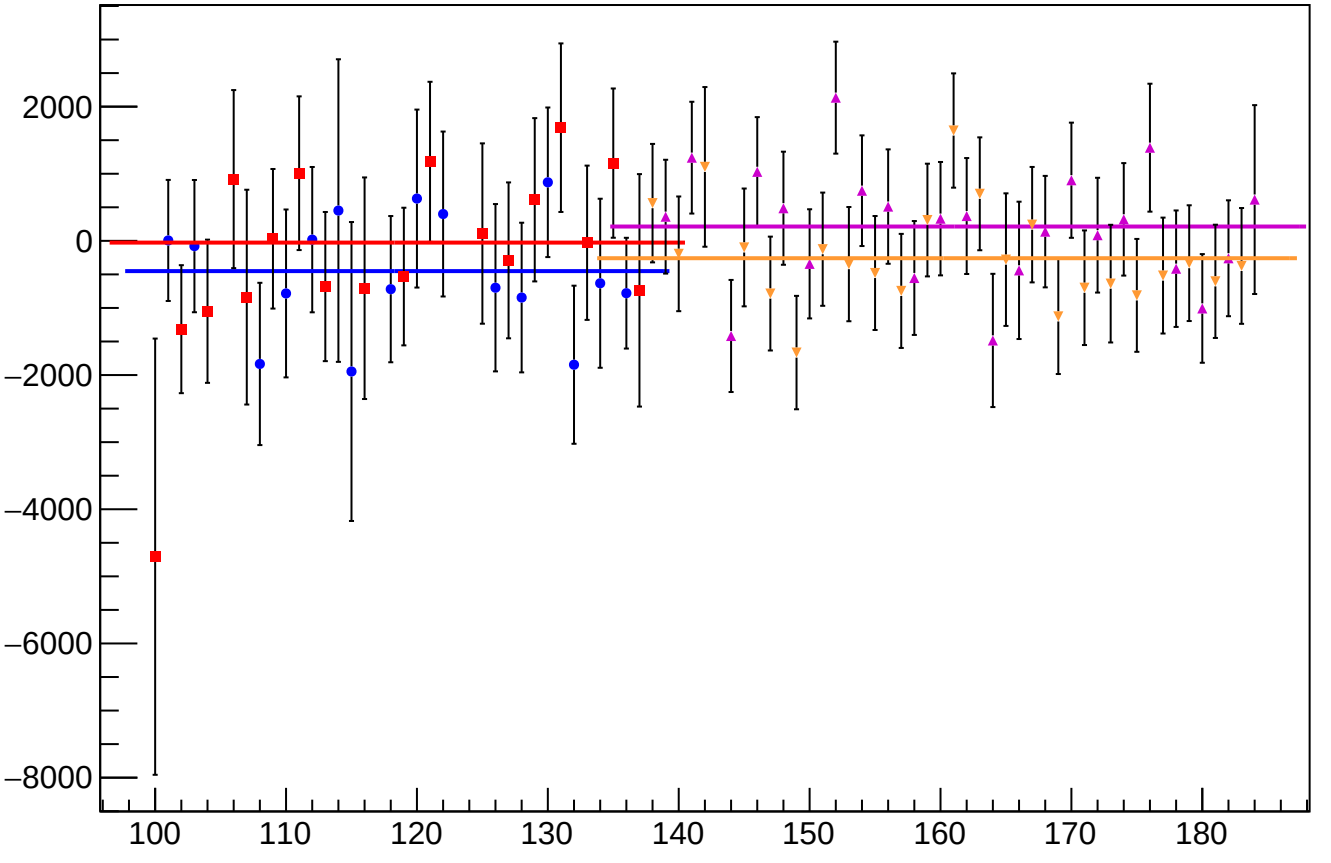
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

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

All: 47.860+/-0.005 χ^2/NDF: 5749056.4/79

- sign 47.342+/-0.007 χ^2/NDF: 3137039.2/40

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

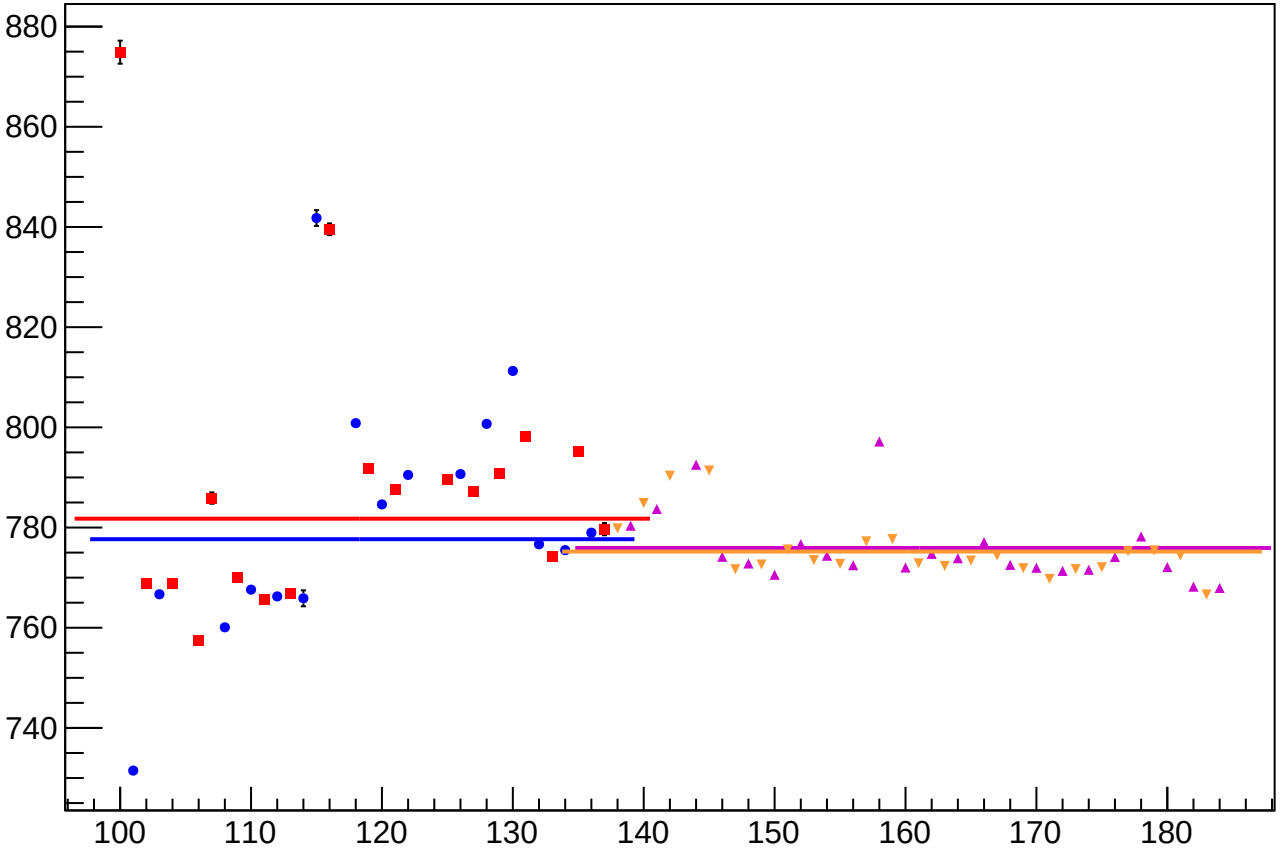
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -83.519+/-108.494 χ^2/NDF: 61.3/79

- sign 145.542+/-153.362 χ^2/NDF: 34.5/40

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

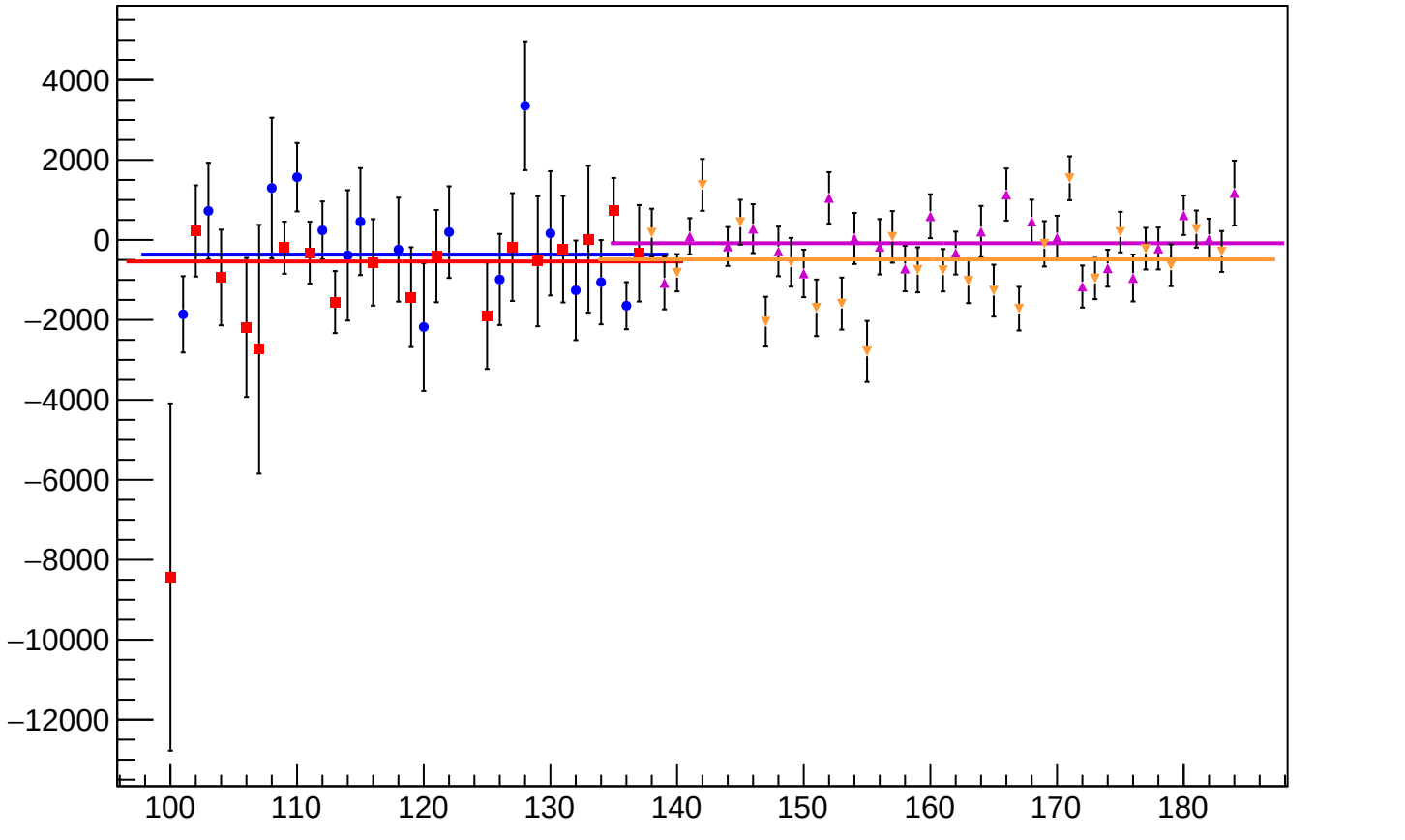
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

All: 776.744+/-0.077 χ^2/NDF: 25311.2/79

\- sign 777.581+/-0.108 χ^2/NDF: 11191.2/40



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

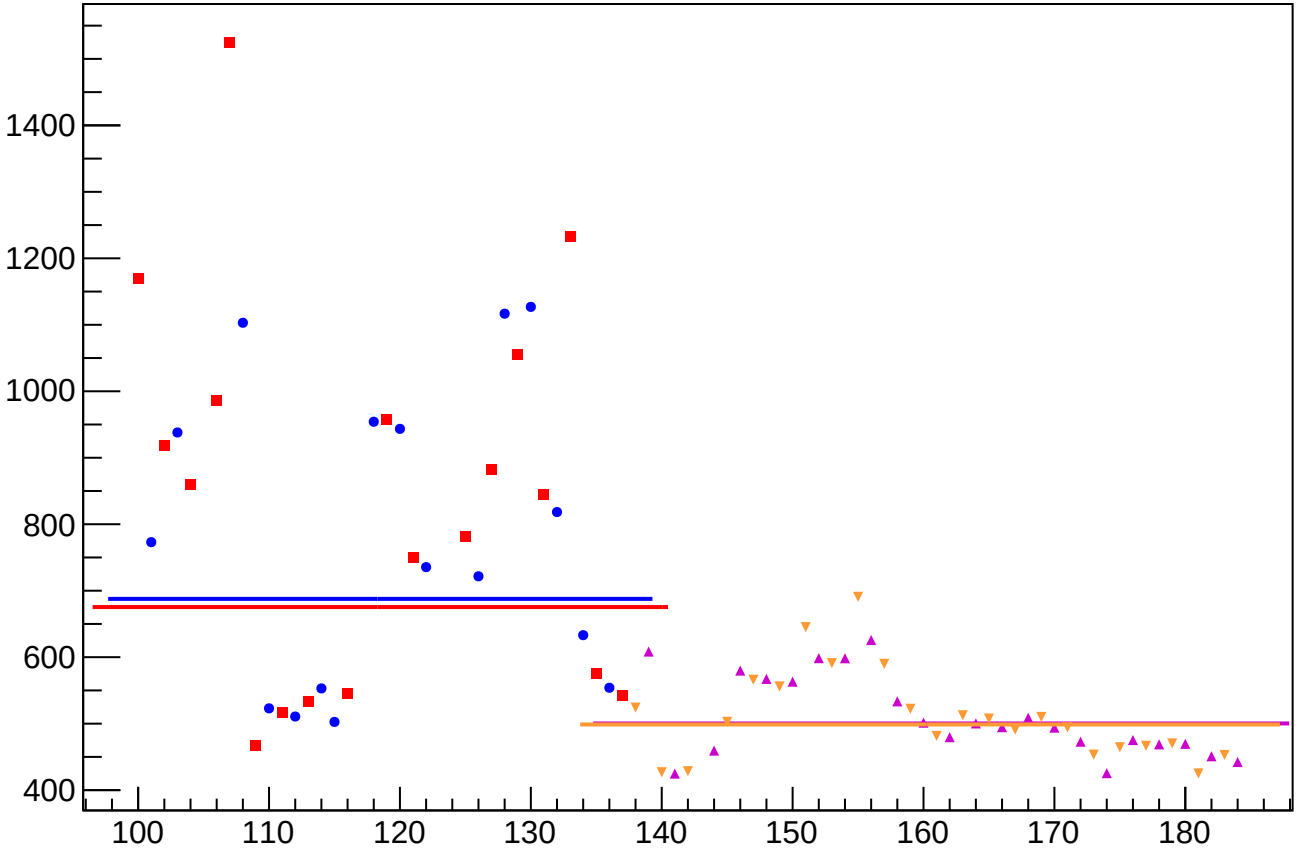
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -313.537+/-76.090 χ^2/NDF: 132.5/79

\- sign -159.360+/-107.508 χ^2/NDF: 42.3/40

asym_us_dd_reg_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

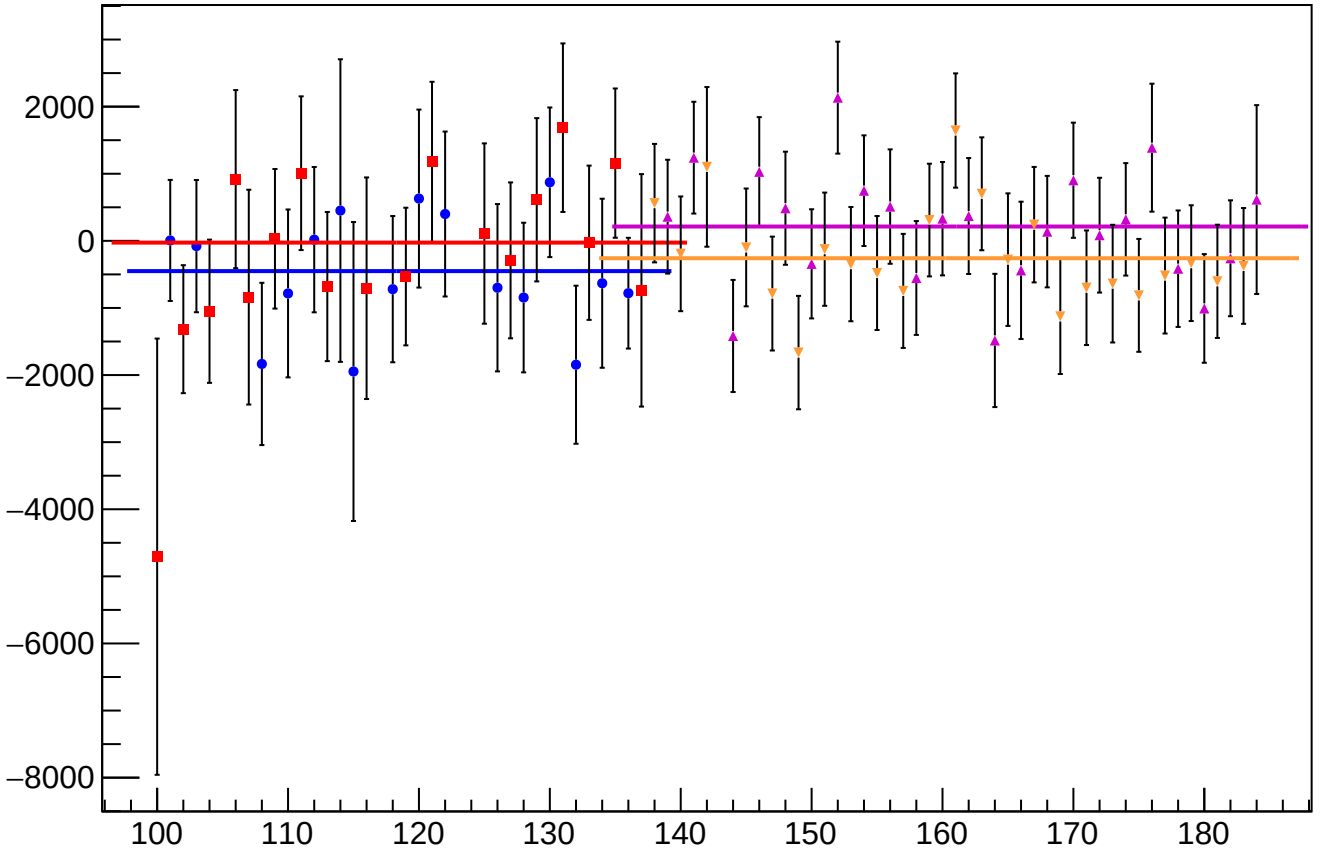
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 529.597+/-0.054 χ^2/NDF: 4922338.5/79

- sign 529.587+/-0.076 χ^2/NDF: 2529222.6/40

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

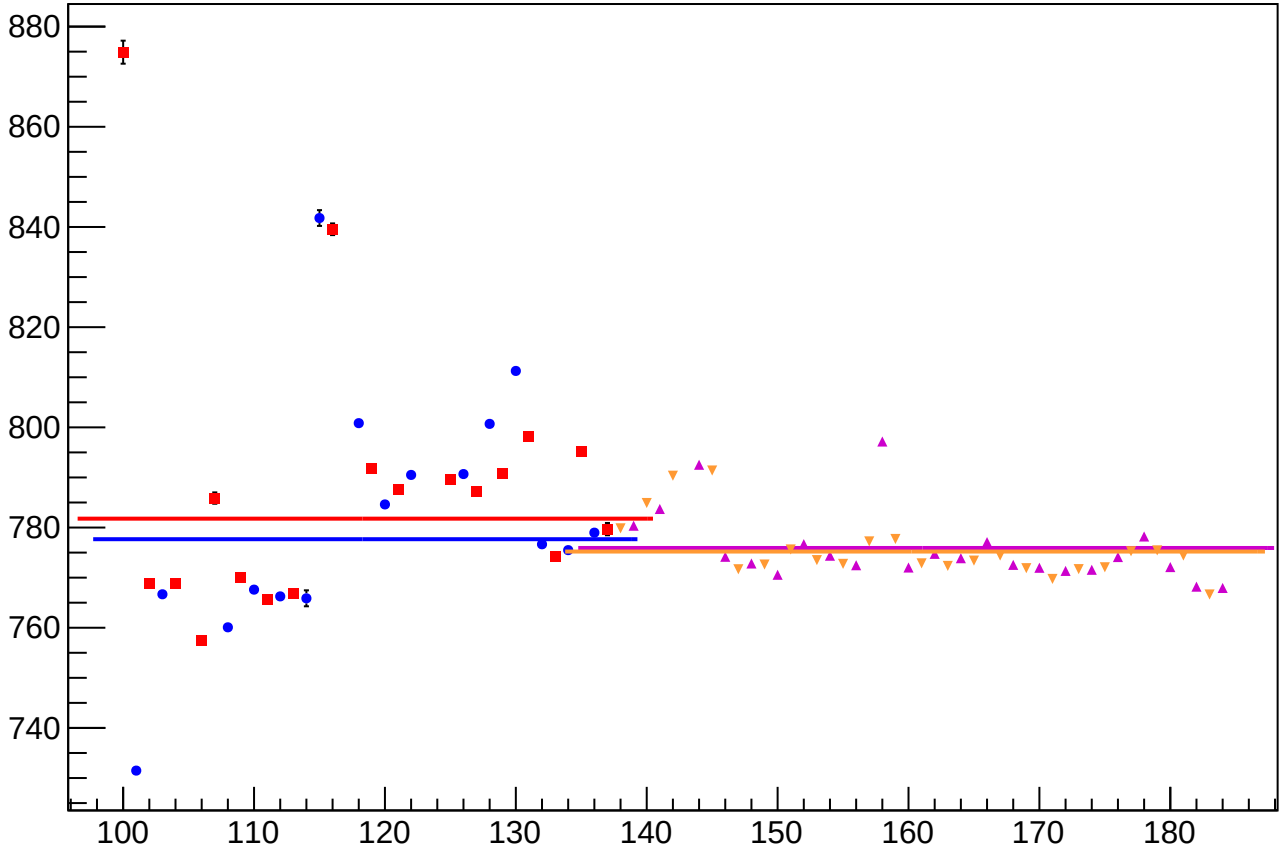
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -83.519+/-108.494 χ^2/NDF: 61.3/79

- sign 145.542+/-153.362 χ^2/NDF: 34.5/40

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

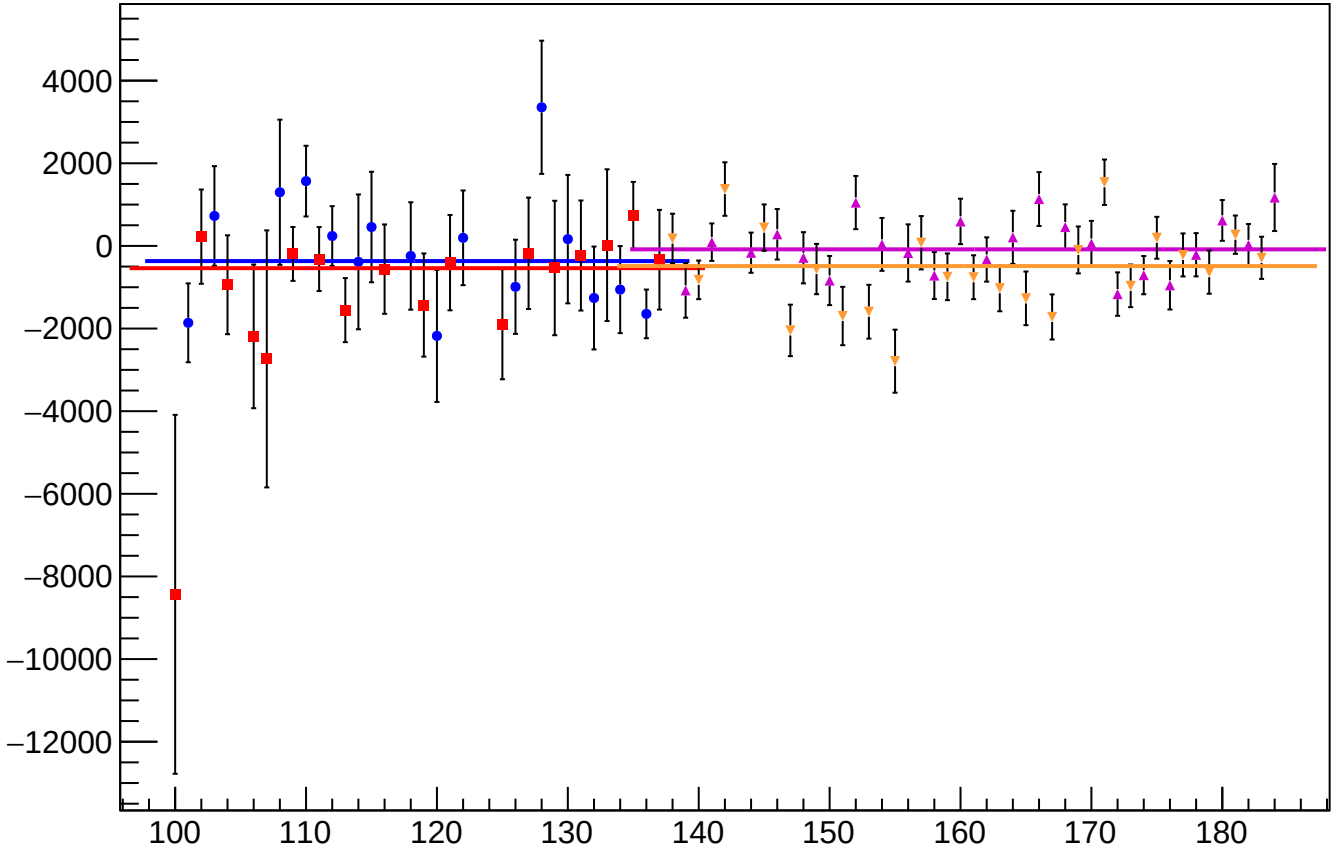
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

All: 776.744+/-0.077 χ^2/NDF: 25311.2/79

\- sign 777.581+/-0.108 χ^2/NDF: 11191.2/40

asym_us_dd_cor_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

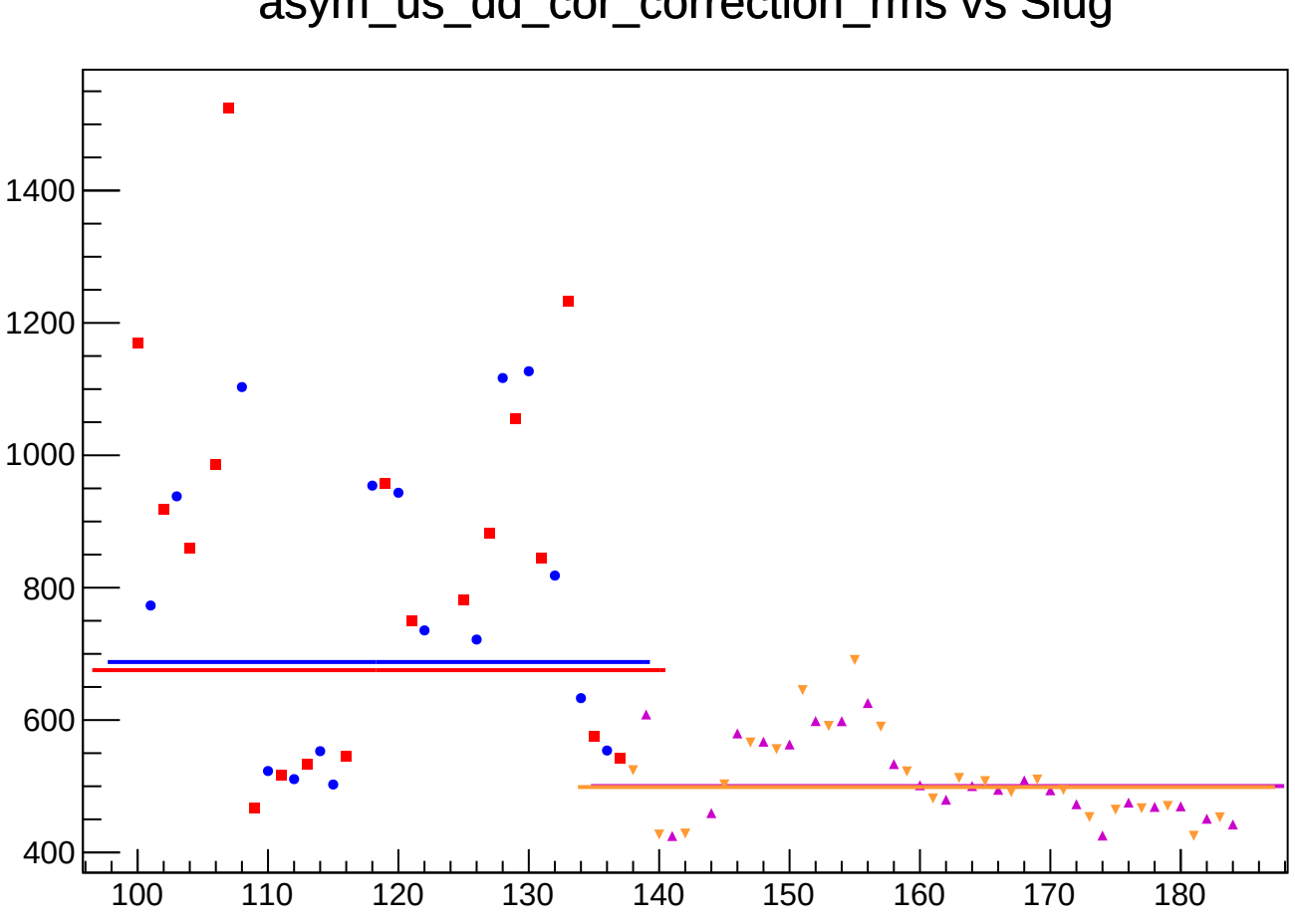
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -313.537+/-76.090 χ^2/NDF: 132.5/79

- sign -159.360+/-107.508 χ^2/NDF: 42.3/40



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

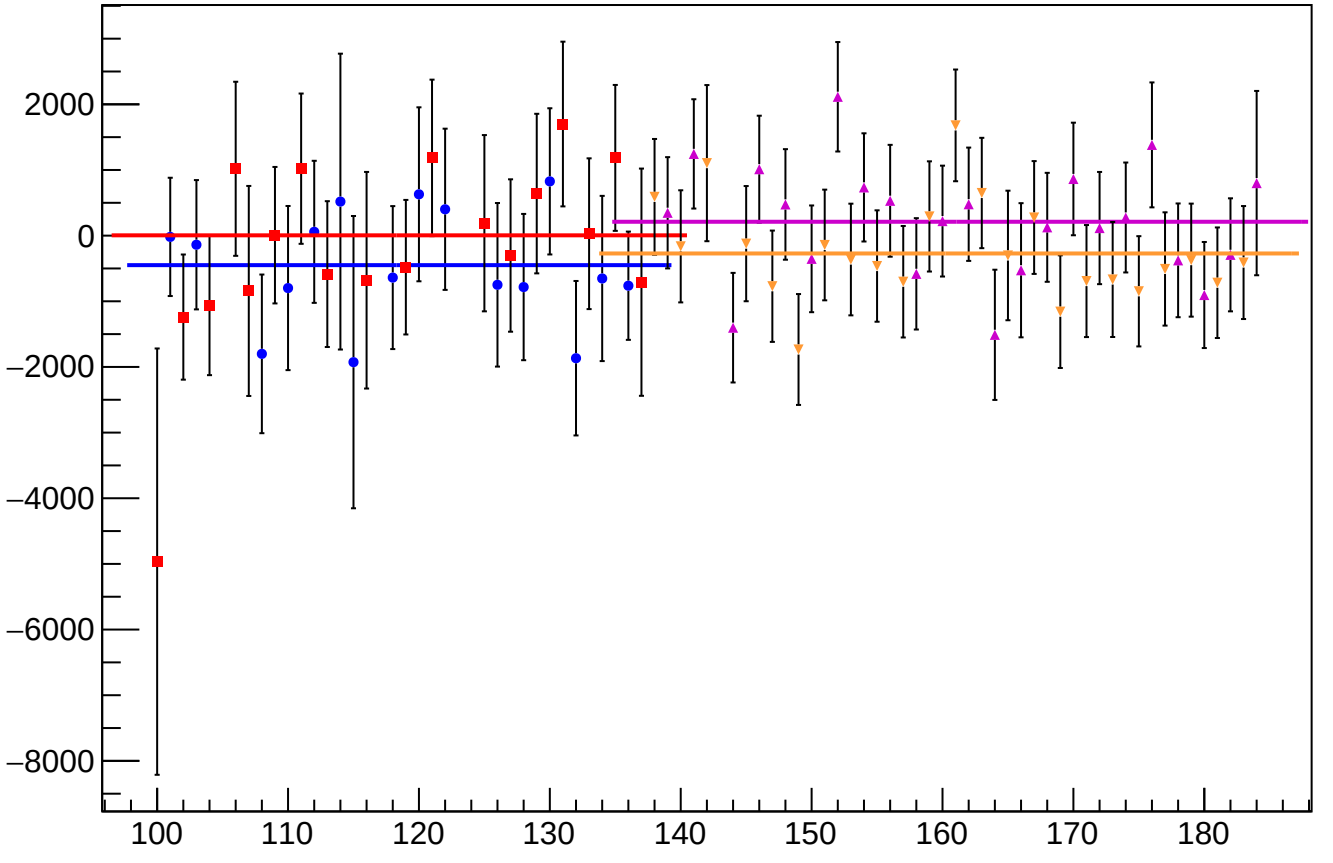
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 529.597+/-0.054 χ^2/NDF: 4922338.5/79

- sign 529.587+/-0.076 χ^2/NDF: 2529222.6/40

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

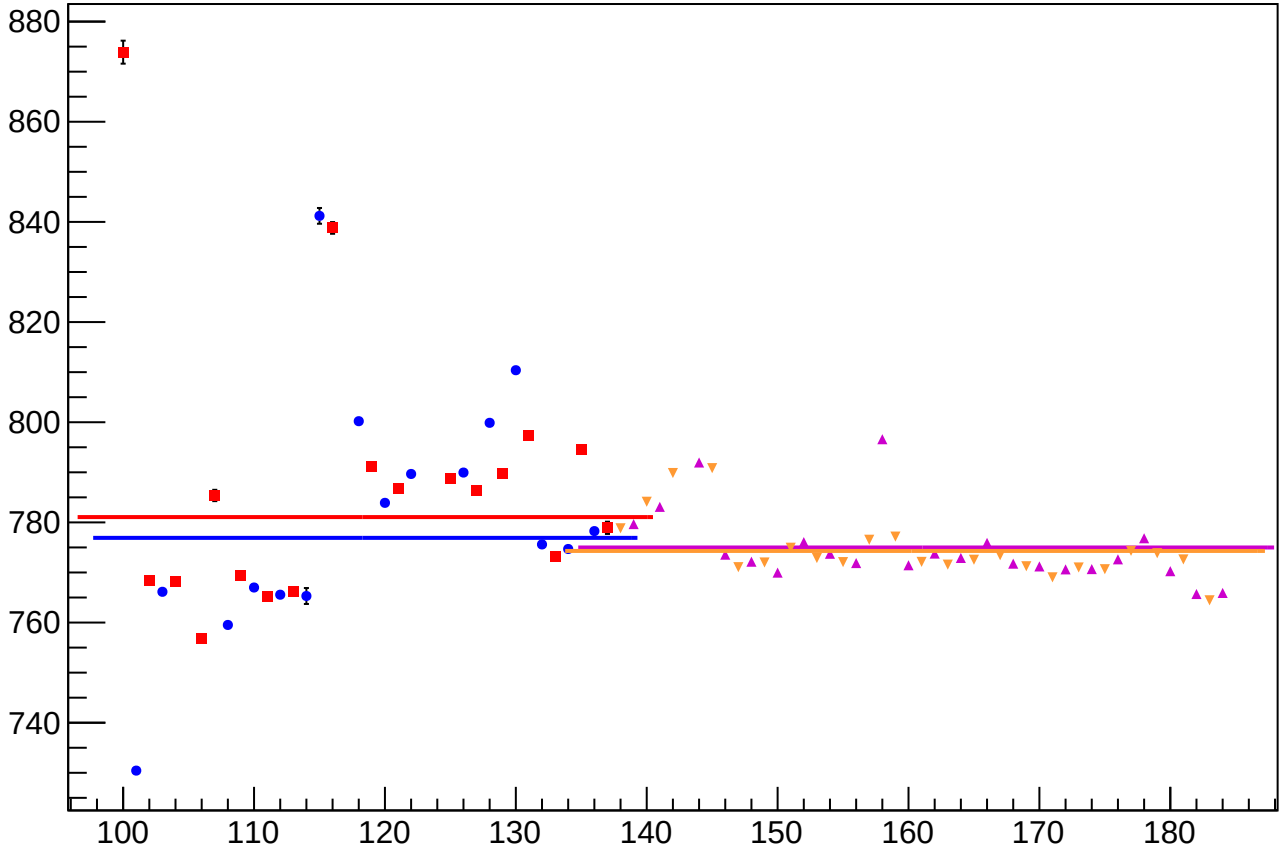
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

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

All: -84.342+/-108.373 χ^2/NDF: 61.9/79

- sign 152.712+/-153.190 χ^2/NDF: 34.3/40

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

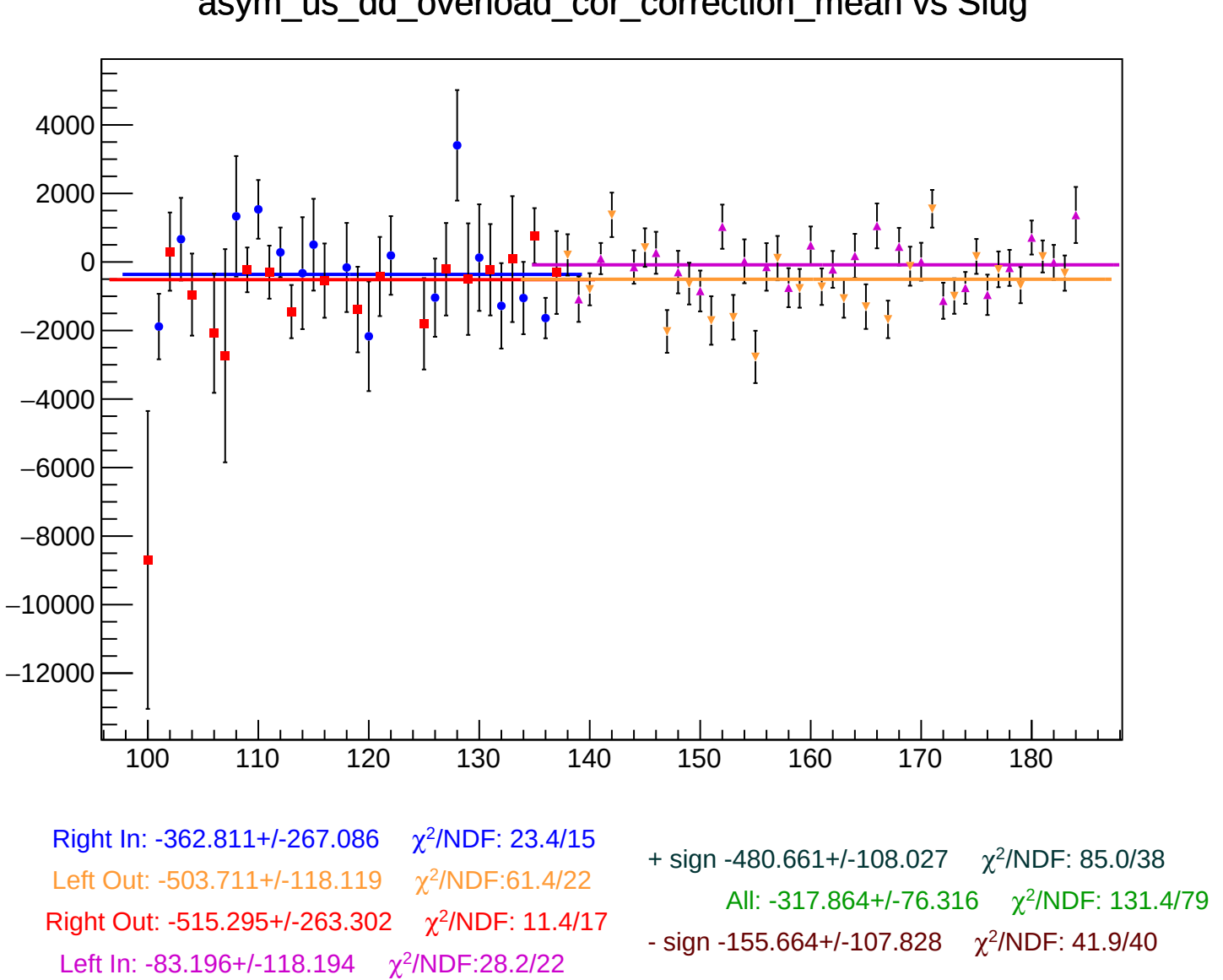
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

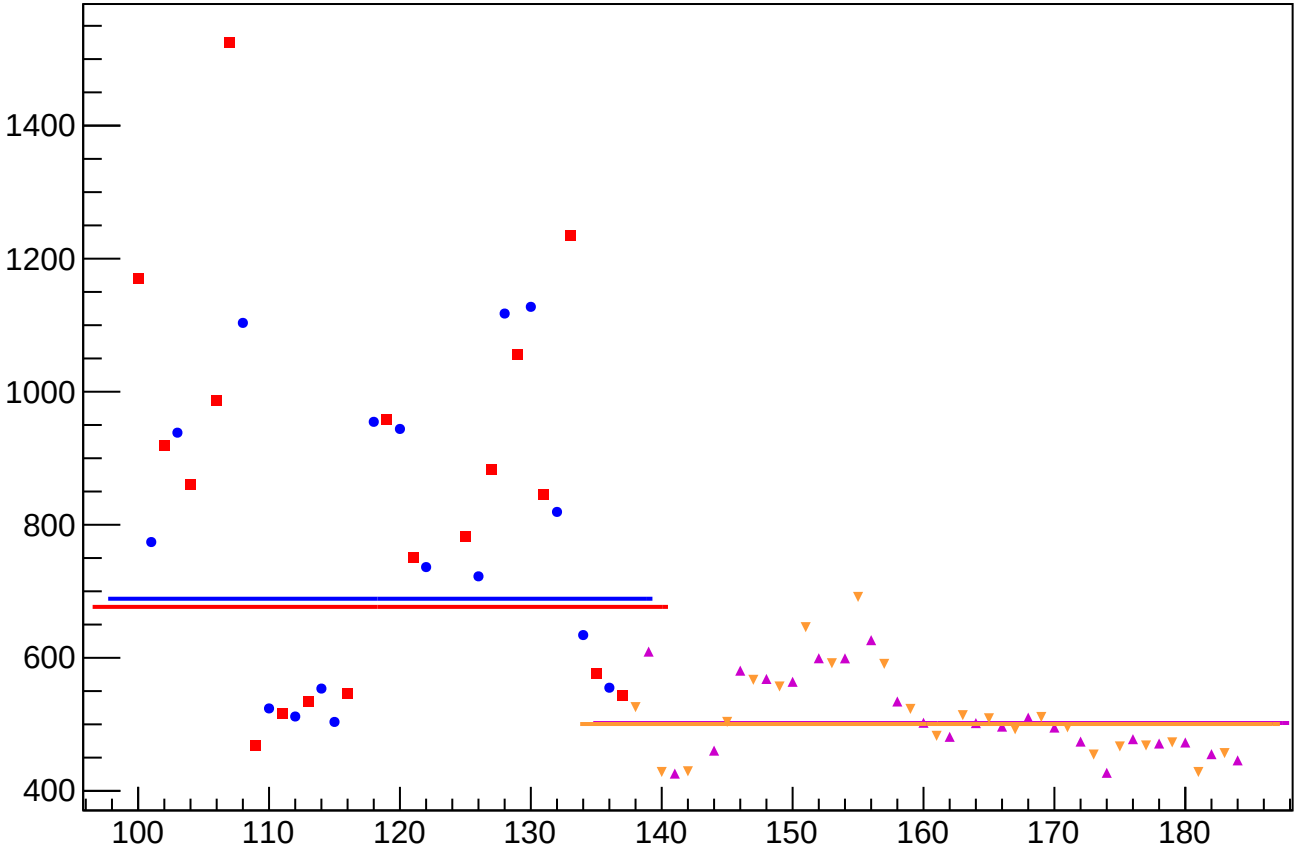
\+ sign 775.038+/-0.108 χ^2/NDF: 14194.2/38

All: 775.874+/-0.077 χ^2/NDF: 25685.0/79

\- sign 776.710+/-0.108 χ^2/NDF: 11371.8/40


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: -83.196+/-118.194 χ²/NDF:28.2/22
+ sign -480.661+/-108.027 χ²/NDF: 85.0/38
All: -317.864+/-76.316 χ²/NDF: 131.4/79
- sign -155.664+/-107.828 χ²/NDF: 41.9/40

asym_us_dd_overload_cor_correction_rms vs Slug



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

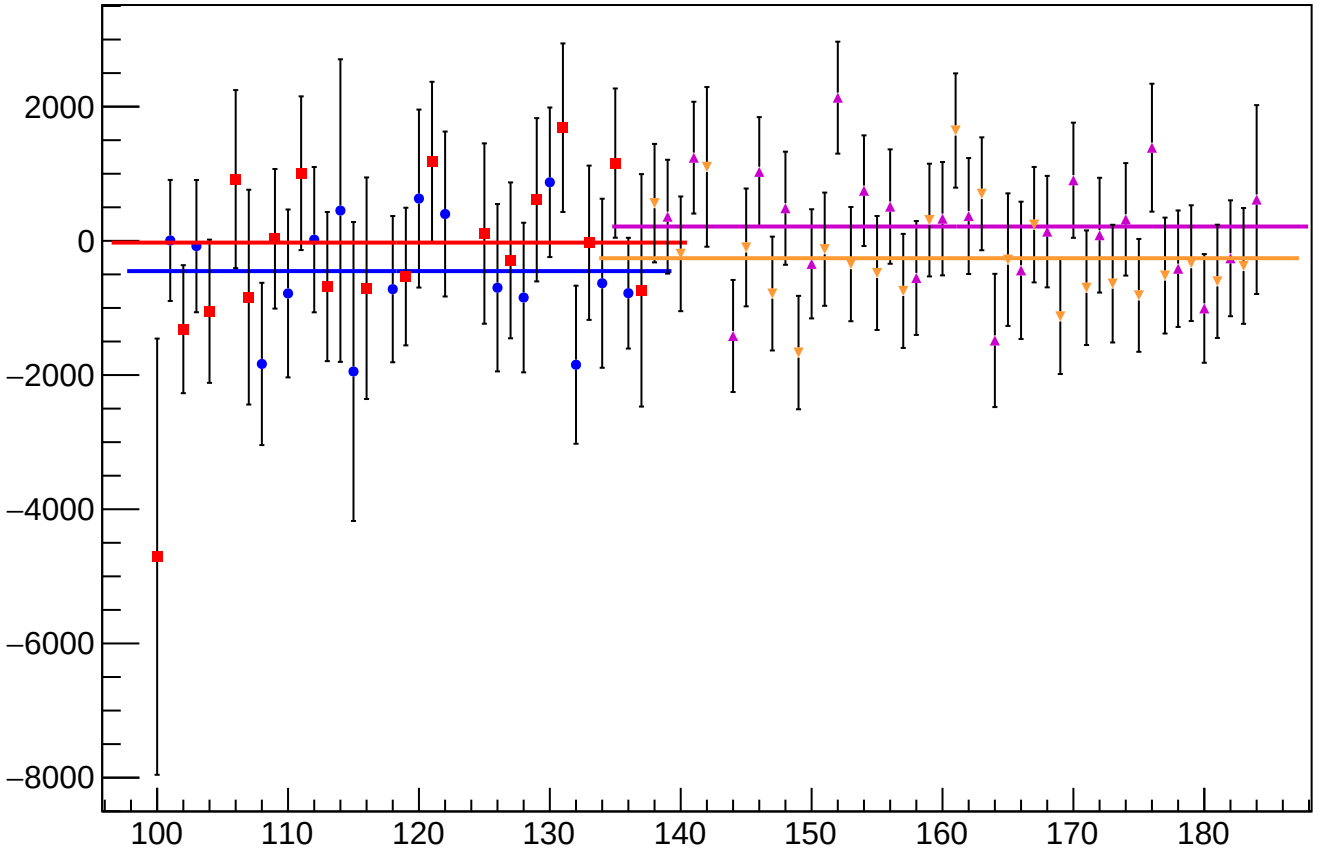
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

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

All: 531.306+/-0.054 χ^2/NDF: 4877336.5/79

- sign 531.299+/-0.076 χ^2/NDF: 2506988.4/40

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

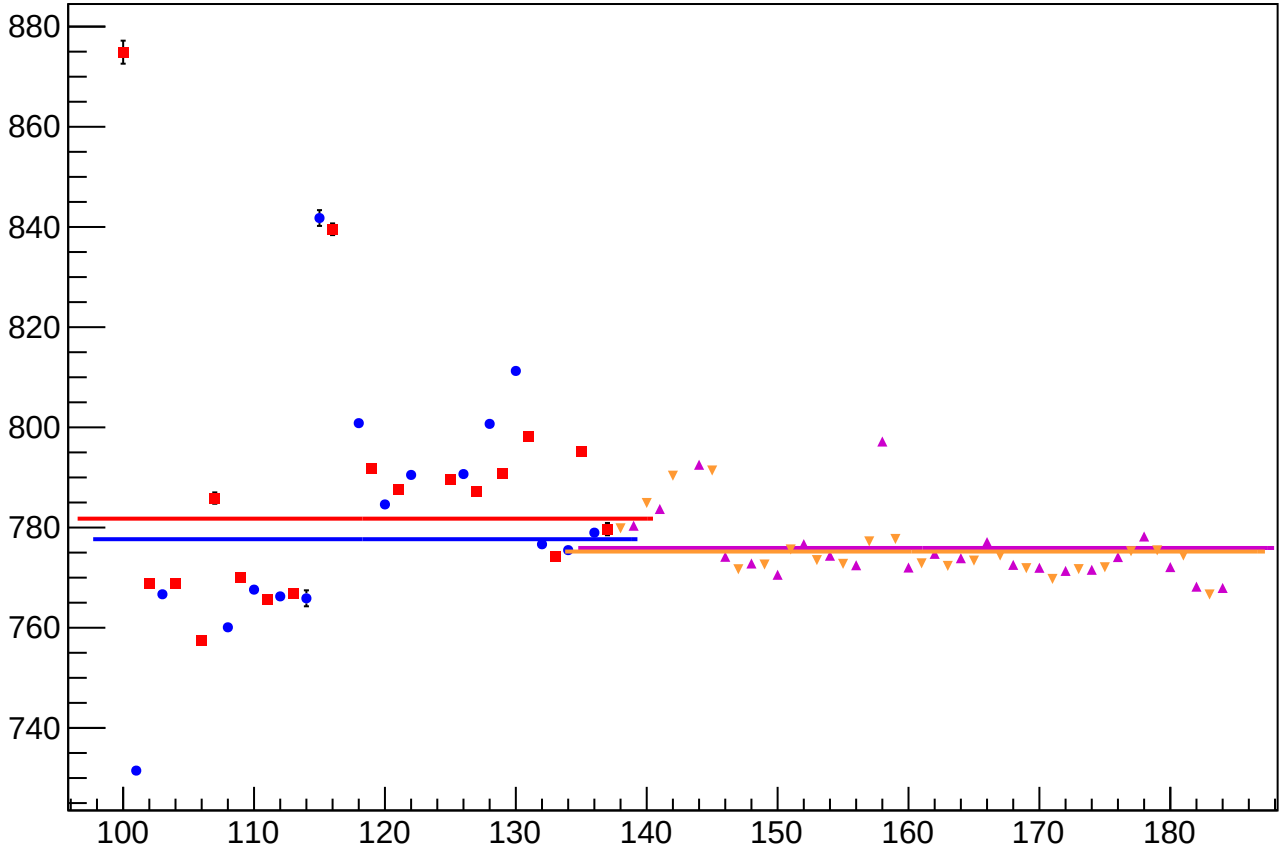
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -83.519+/-108.494 χ^2/NDF: 61.3/79

- sign 145.542+/-153.362 χ^2/NDF: 34.5/40

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

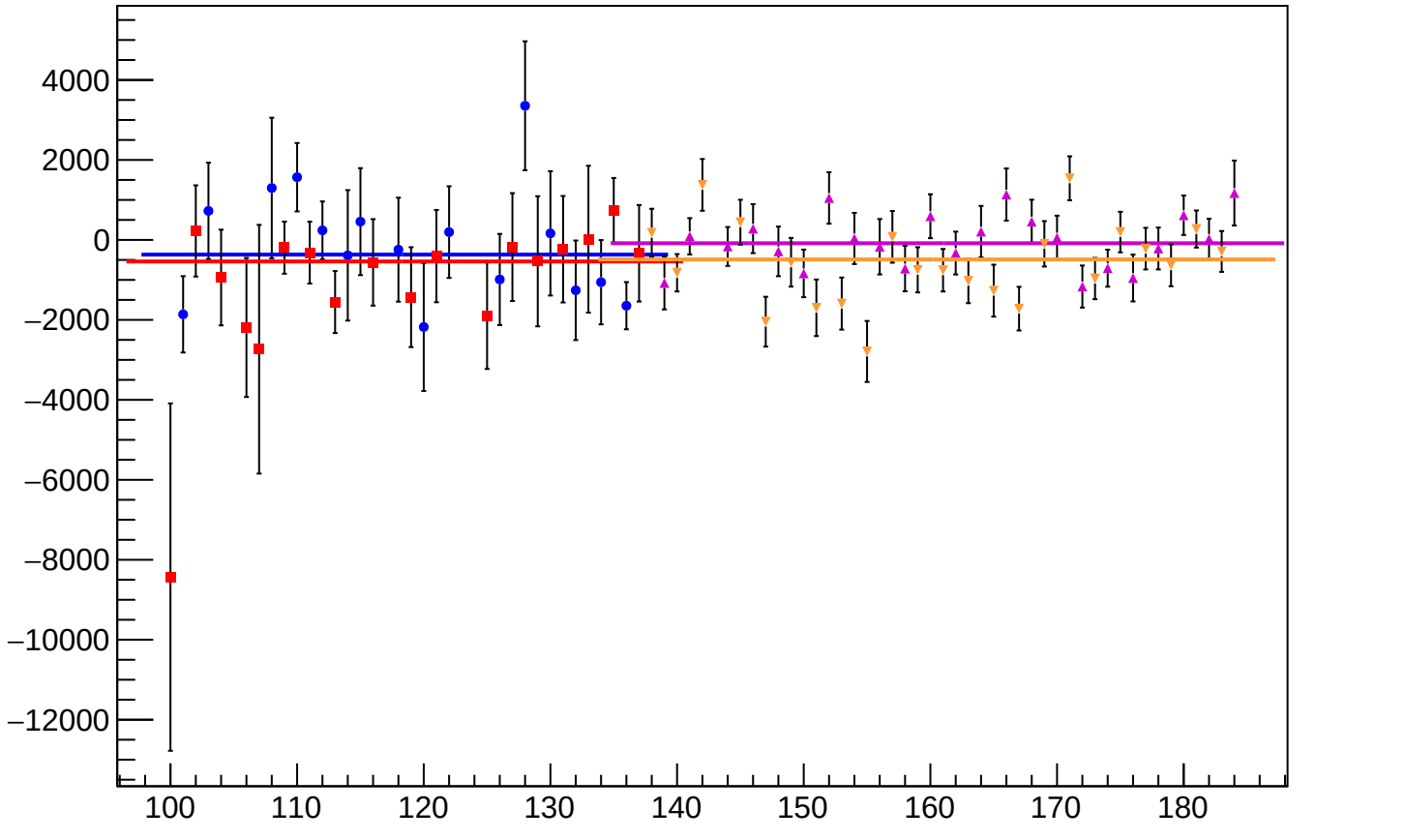
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

All: 776.744+/-0.077 χ^2/NDF: 25311.2/79

- sign 777.581+/-0.108 χ^2/NDF: 11191.2/40



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

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

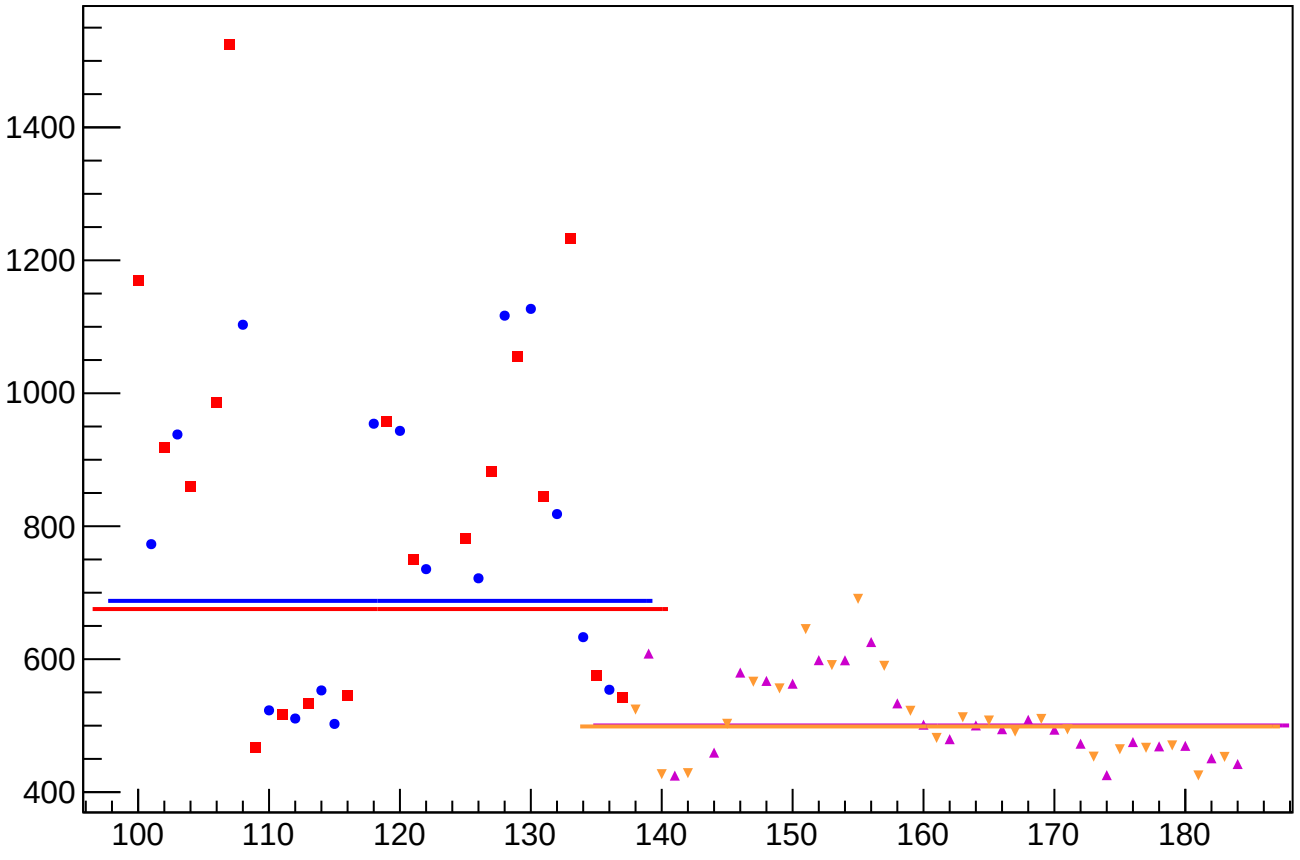
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -313.537+/-76.090 χ^2/NDF: 132.5/79

- sign -159.360+/-107.508 χ^2/NDF: 42.3/40



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

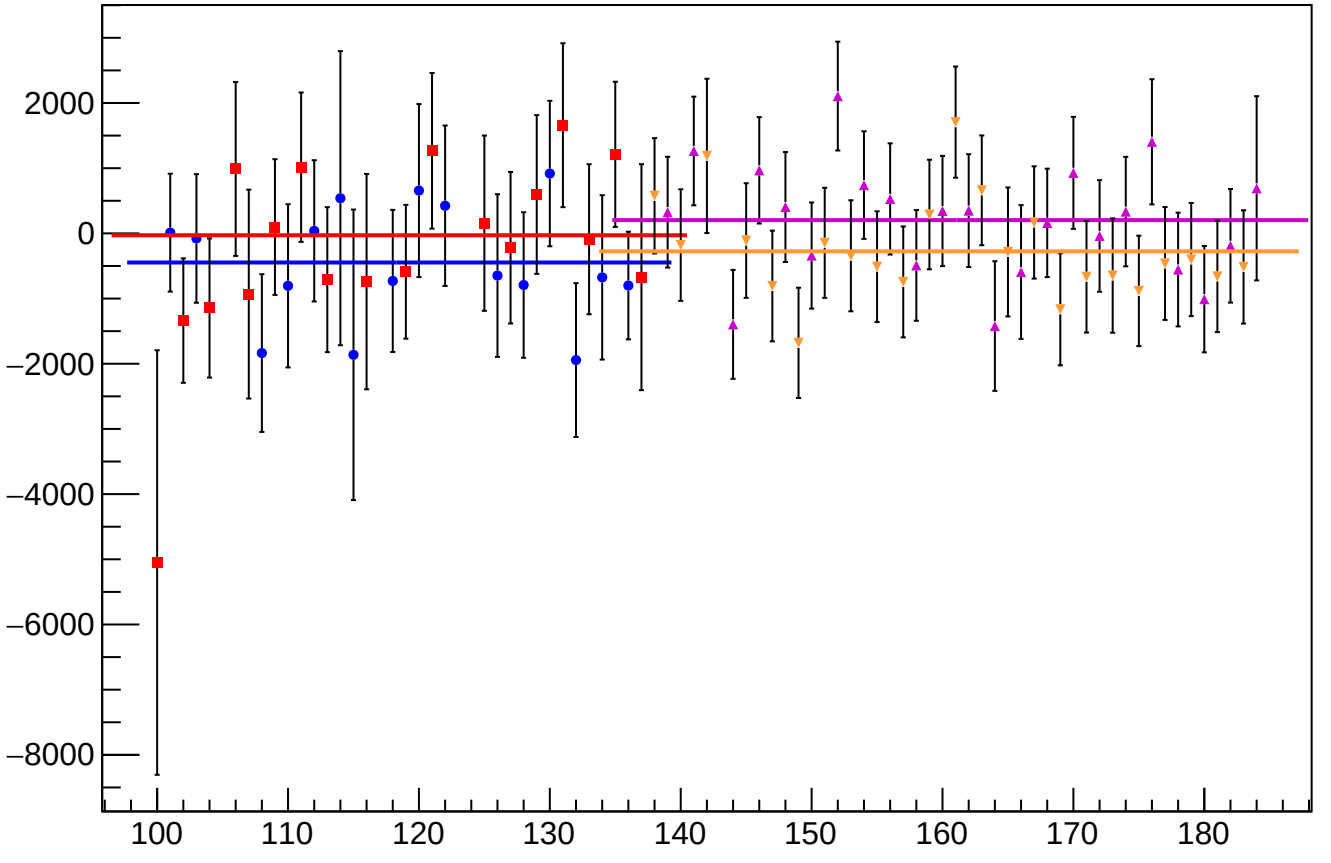
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 529.597+/-0.054 χ^2/NDF: 4922338.5/79

- sign 529.587+/-0.076 χ^2/NDF: 2529222.6/40

dit_asym_us_dd_mean vs Slug



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

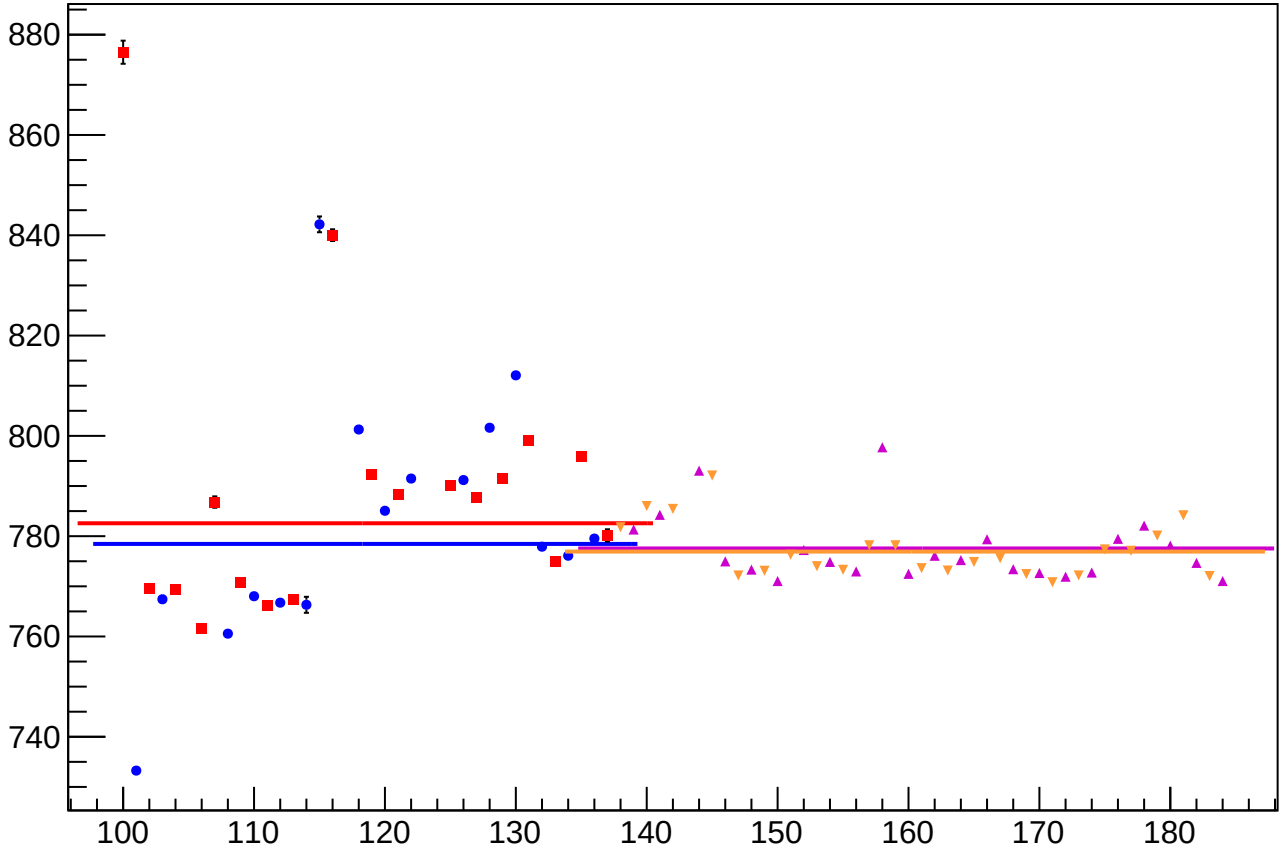
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

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

All: -92.972+/-108.694 χ^2/NDF: 63.0/79

- sign 137.451+/-153.637 χ^2/NDF: 35.2/40

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

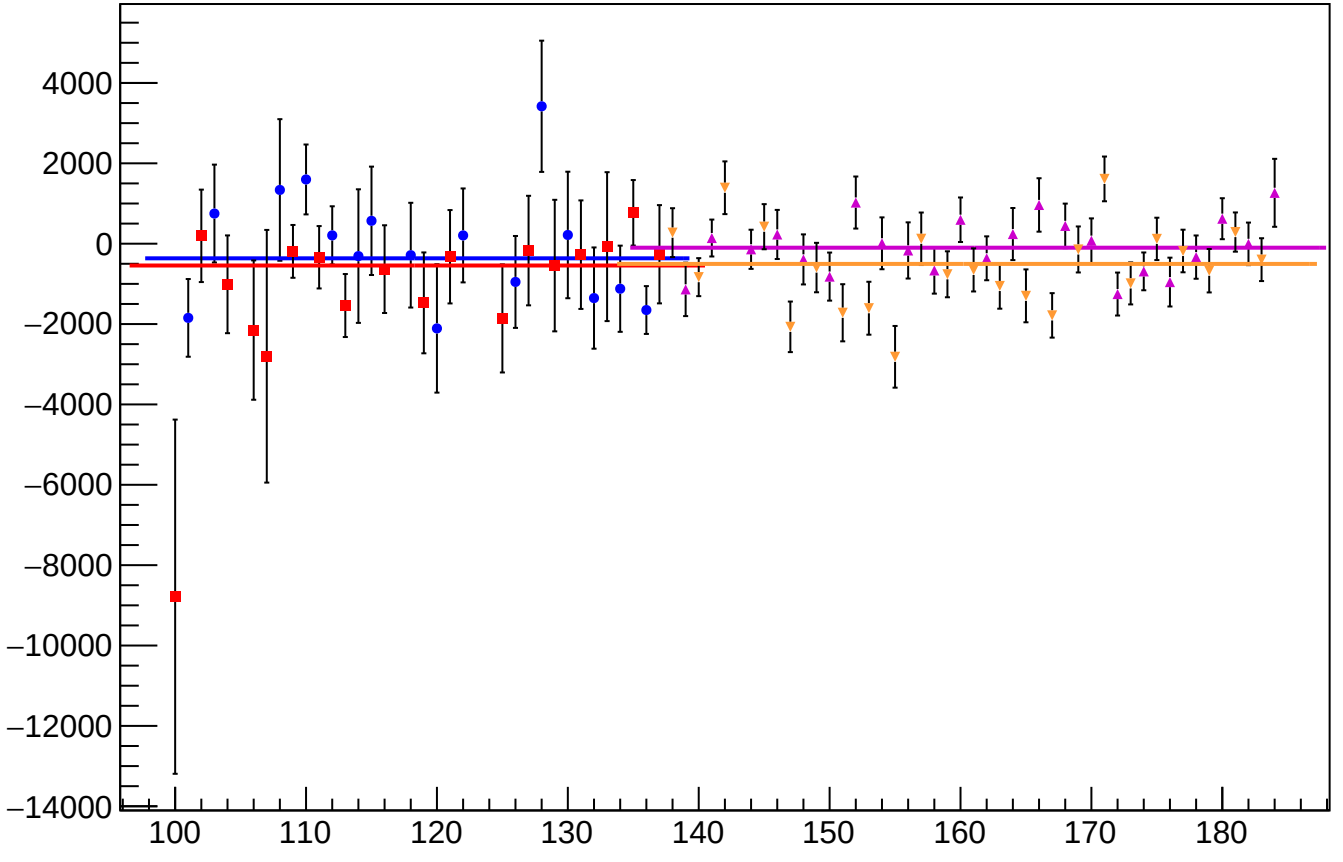
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

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

All: 778.169+/-0.077 χ^2/NDF: 24305.2/79

- sign 778.976+/-0.109 χ^2/NDF: 10667.1/40

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

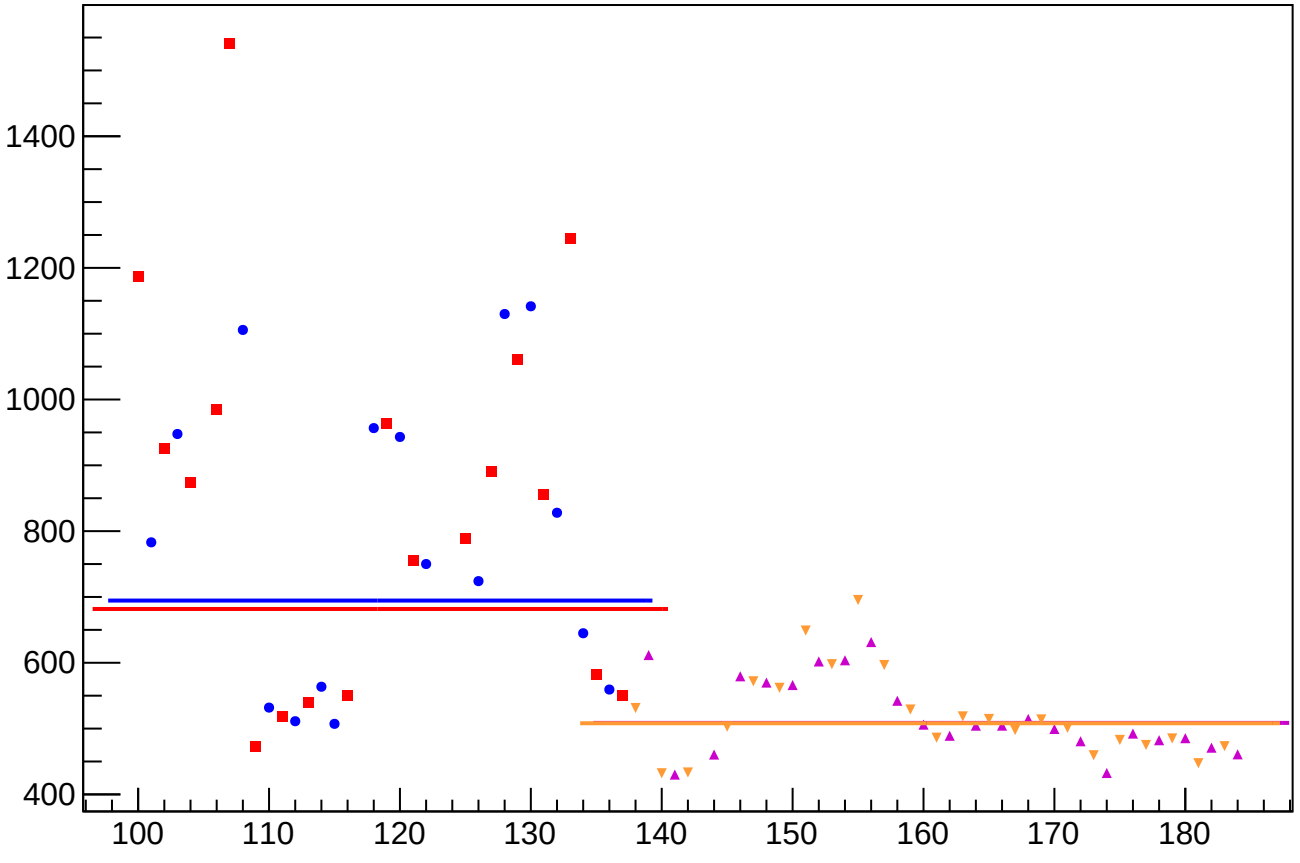
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -327.088+/-77.278 χ^2/NDF: 132.3/79

- sign -174.884+/-109.089 χ^2/NDF: 41.5/40

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

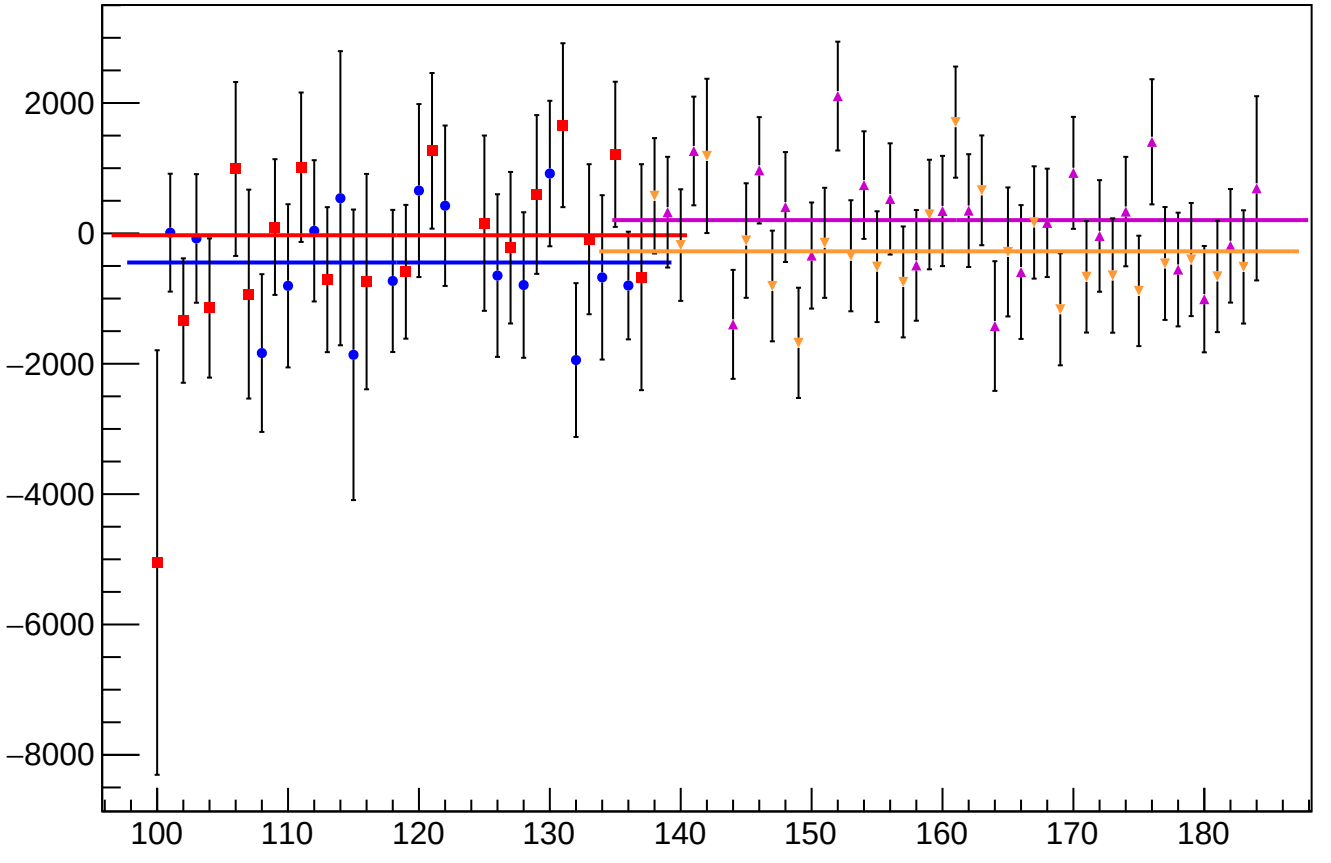
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

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

All: 538.415+/-0.055 χ^2/NDF: 4750013.0/79

\- sign 537.913+/-0.077 χ^2/NDF: 2451399.5/40

eigen_dit_asym_us_dd_mean vs Slug



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

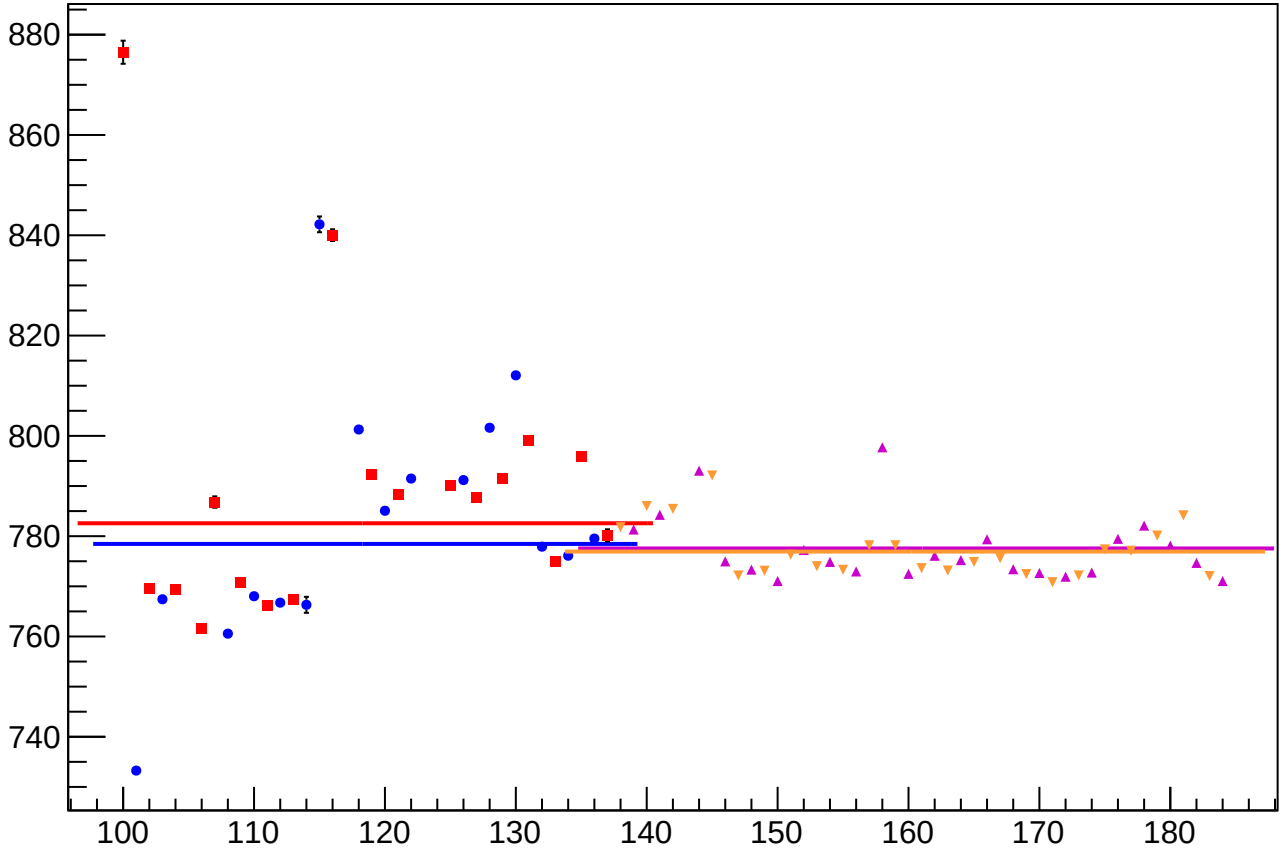
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

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

All: -92.972+/-108.694 χ^2/NDF: 63.0/79

- sign 137.451+/-153.637 χ^2/NDF: 35.2/40

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

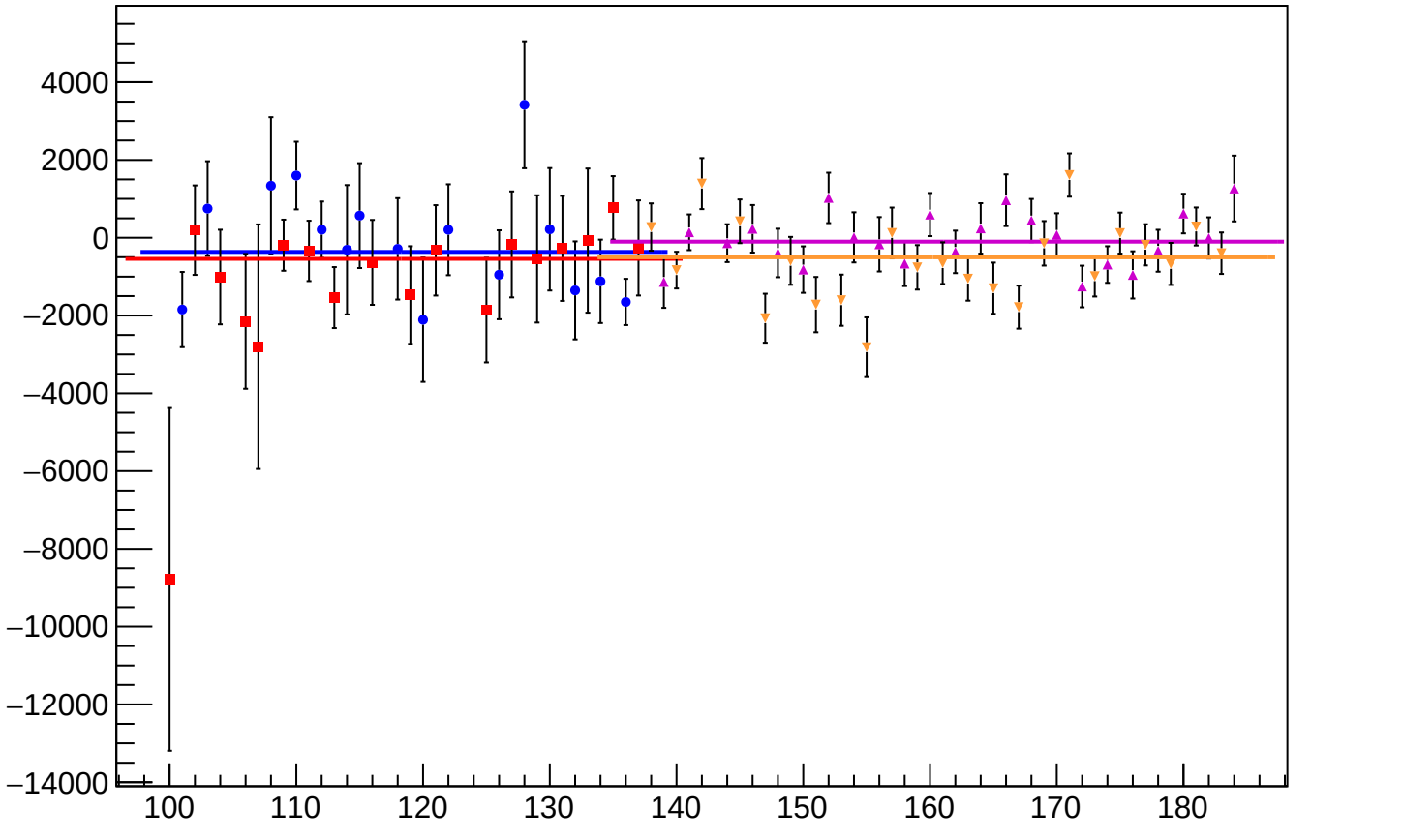
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

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

All: 778.169+/-0.077 χ^2/NDF: 24305.2/79

- sign 778.976+/-0.109 χ^2/NDF: 10667.1/40



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

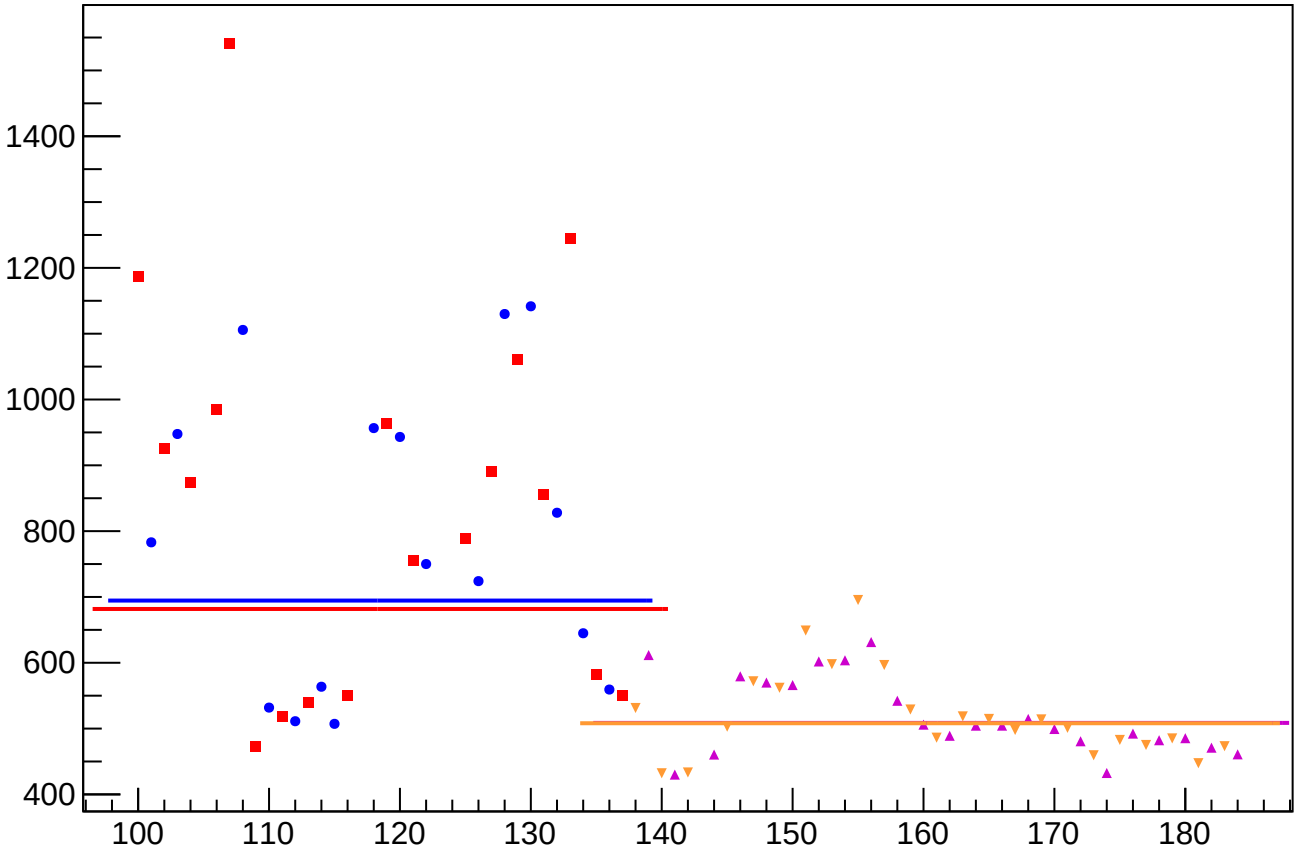
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -327.088+/-77.278 χ^2/NDF: 132.3/79

- sign -174.884+/-109.089 χ^2/NDF: 41.5/40

asym_us_dd_eigen_dit_correction_rms vs Slug



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

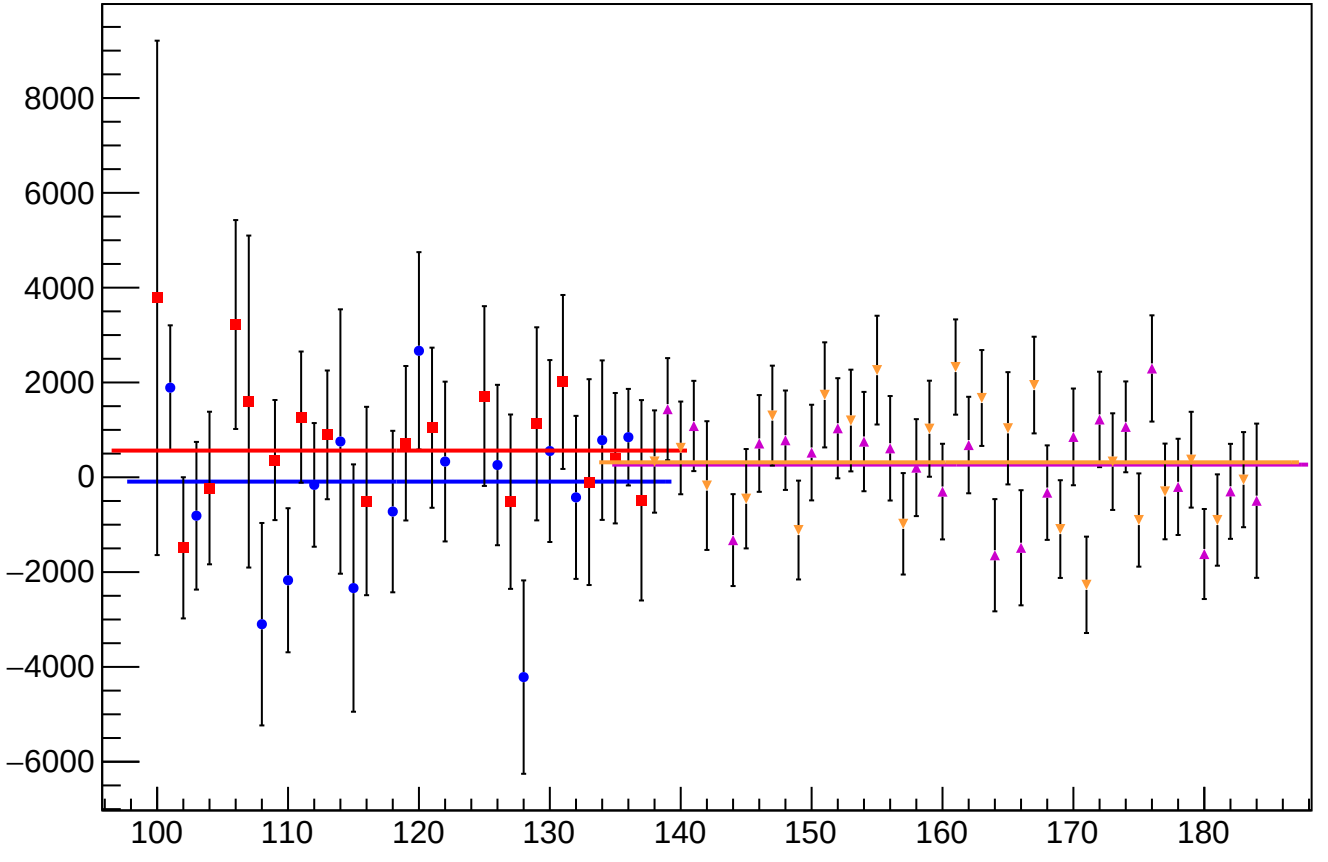
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

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

All: 538.415+/-0.055 χ^2/NDF: 4750022.6/79

- sign 537.912+/-0.077 χ^2/NDF: 2451412.6/40

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

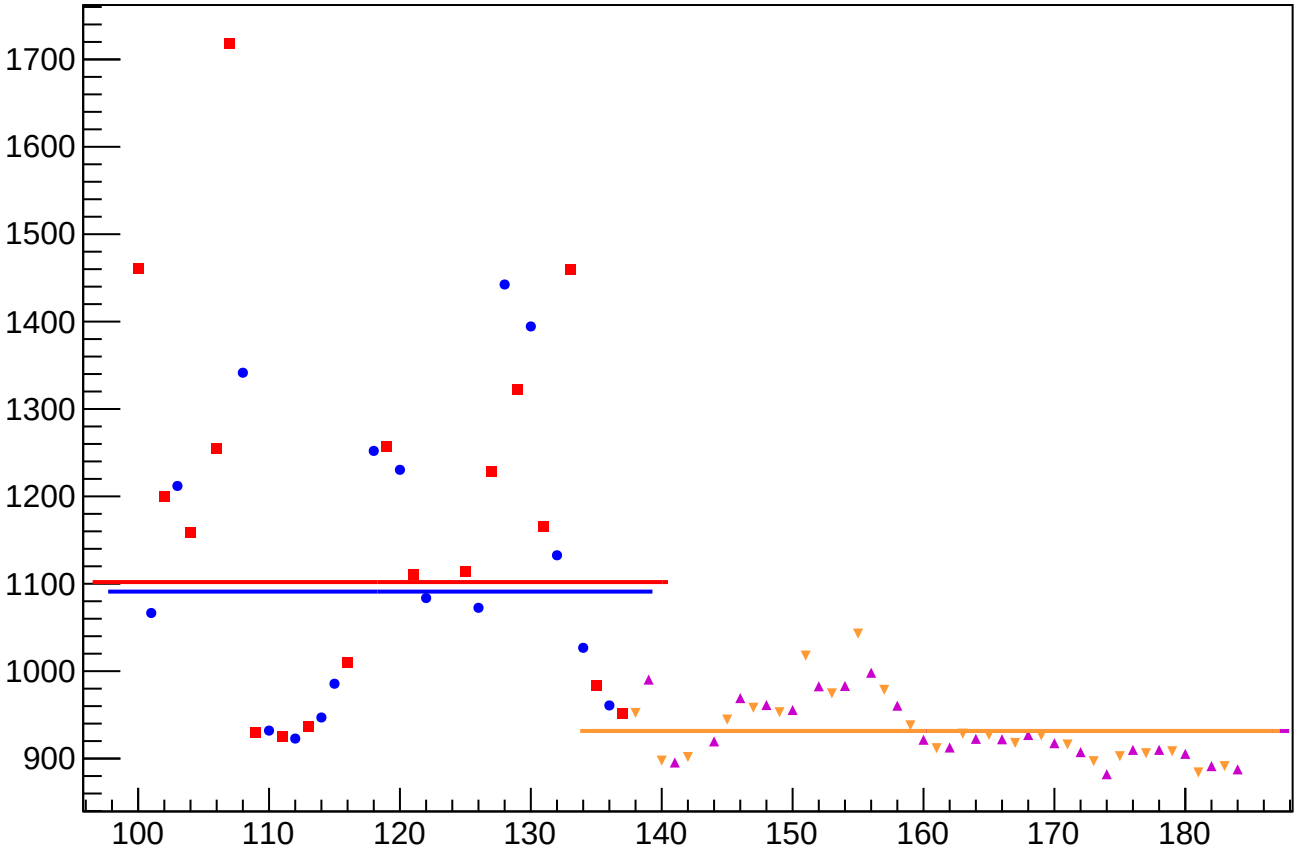
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

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

All: 279.003+/-136.077 χ^2/NDF: 75.1/79

- sign 331.816+/-192.426 χ^2/NDF: 28.3/40

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

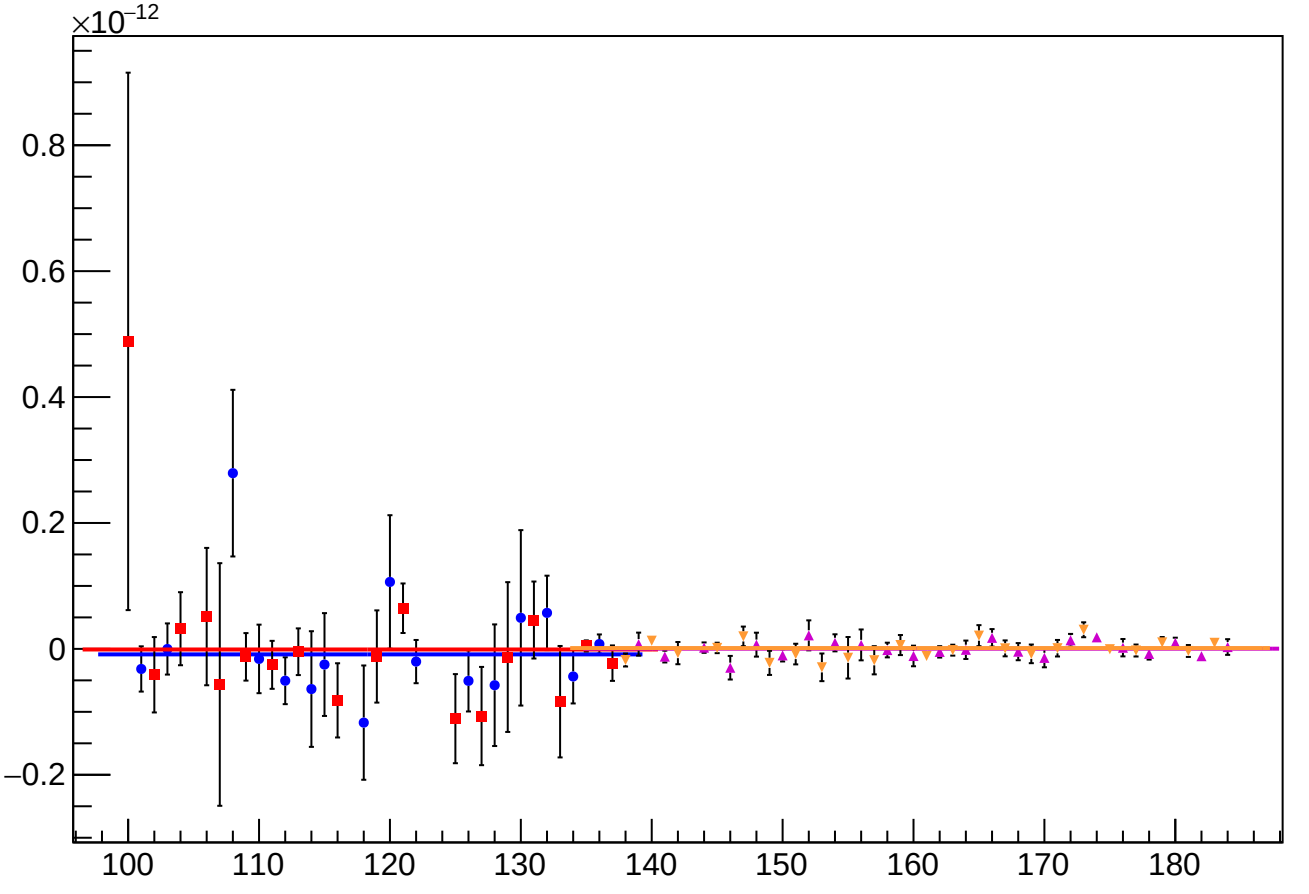
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

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

All: 967.768+/-0.096 χ^2/NDF: 1218976.9/79

- sign 968.810+/-0.136 χ^2/NDF: 644890.4/40

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

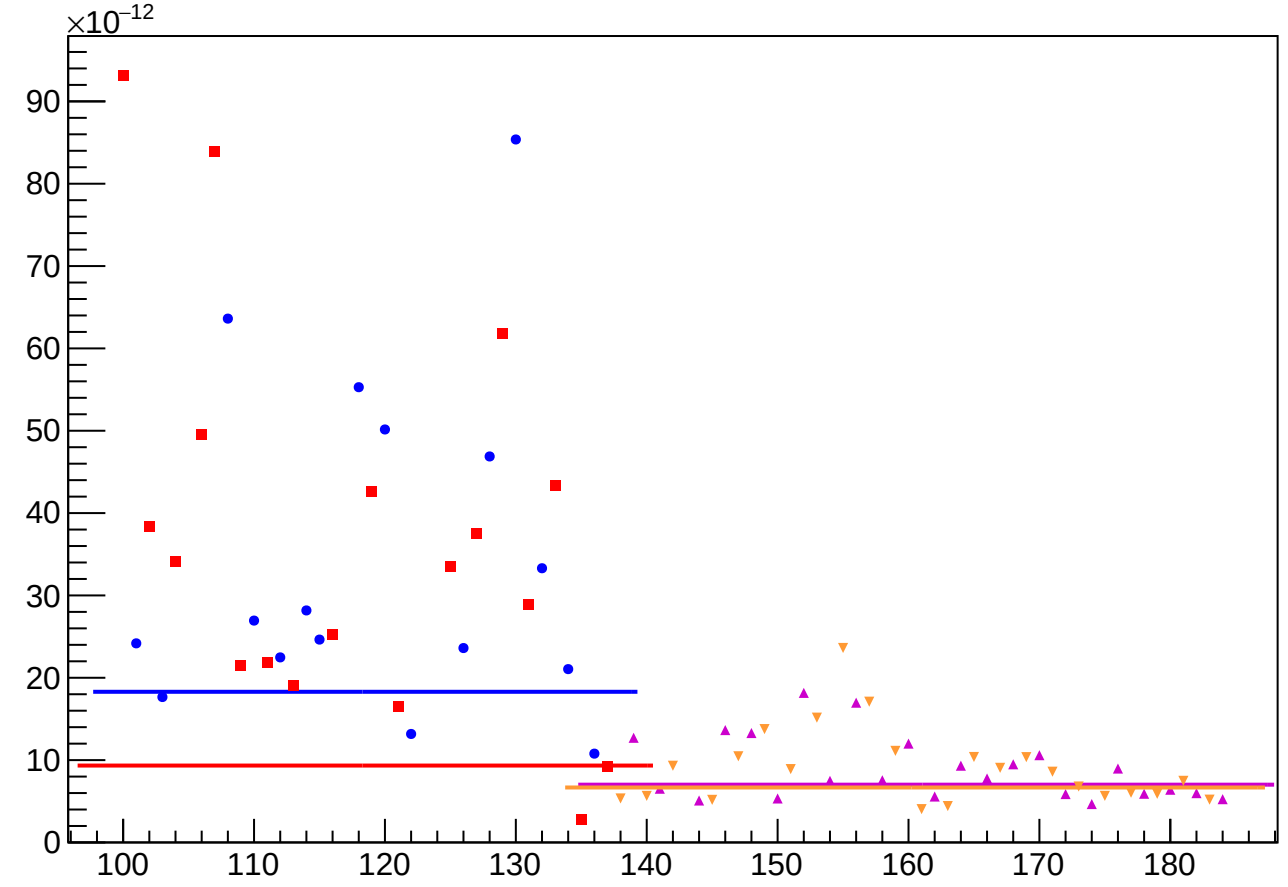
Left In: 0.000+/-0.000 χ^2/NDF:22.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/38

All: 0.000+/-0.000 χ^2/NDF: 76.9/79

- sign 0.000+/-0.000 χ^2/NDF: 36.5/40

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

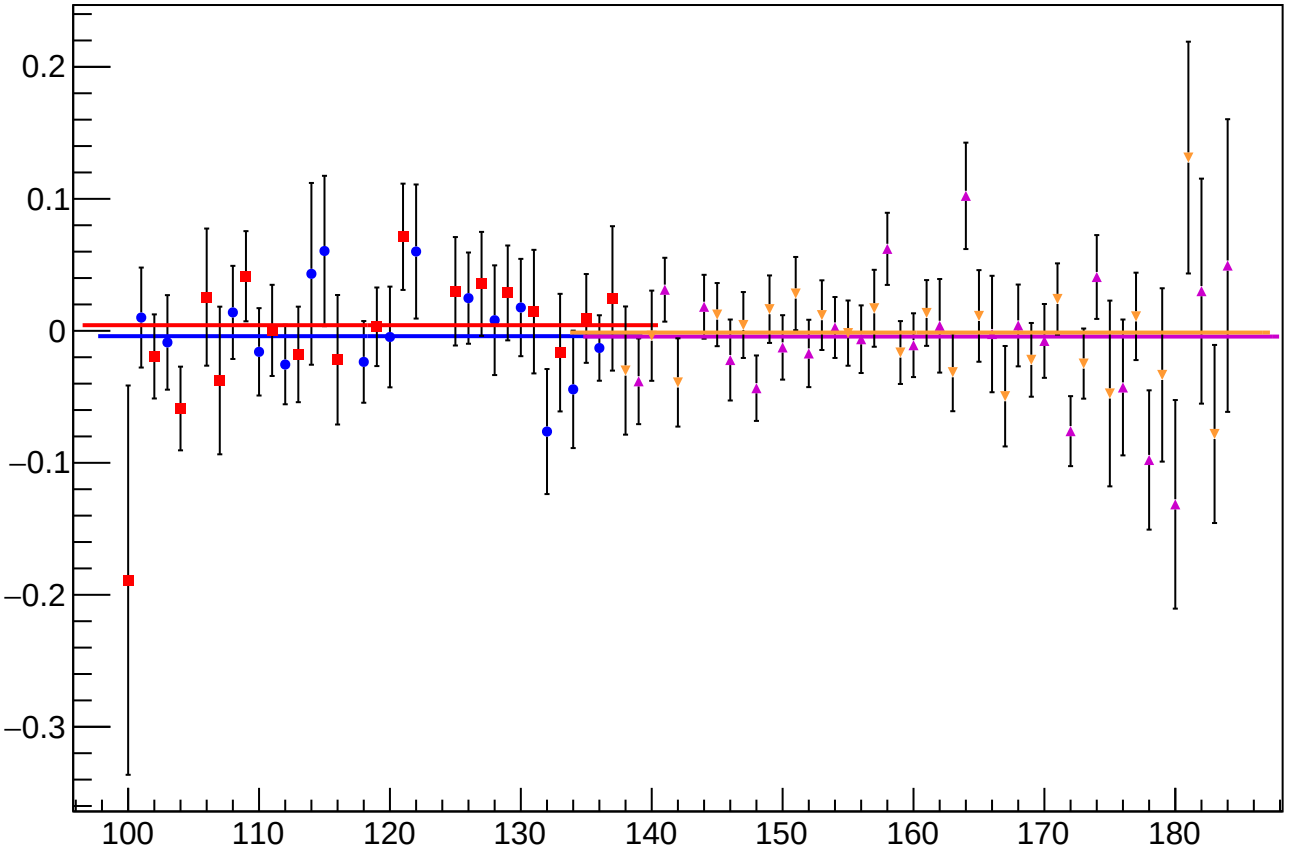
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

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

All: 0.000+/-0.000 χ^2/NDF: 15356544.7/79

- sign 0.000+/-0.000 χ^2/NDF: 7767411.7/40

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

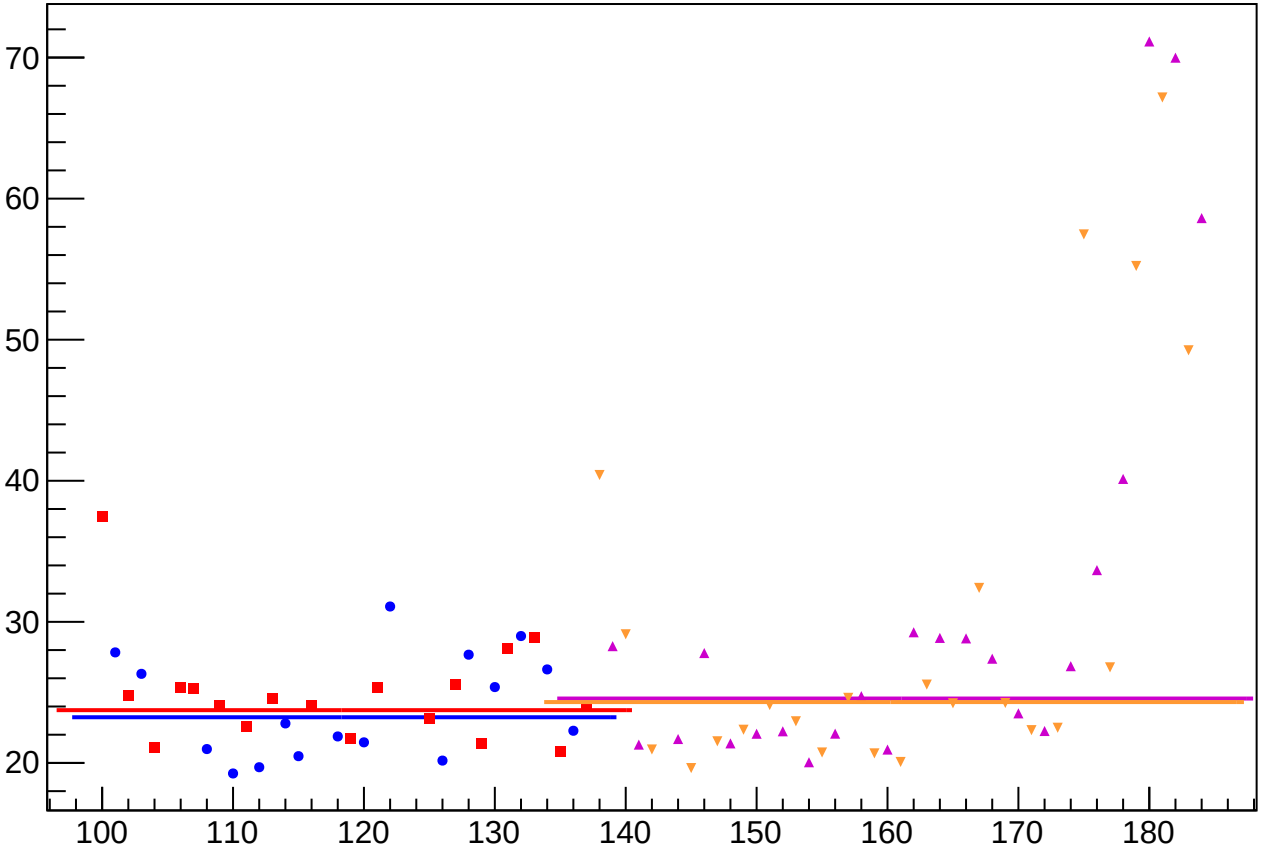
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 74.3/79

- sign -0.002+/-0.005 χ^2/NDF: 50.6/40

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

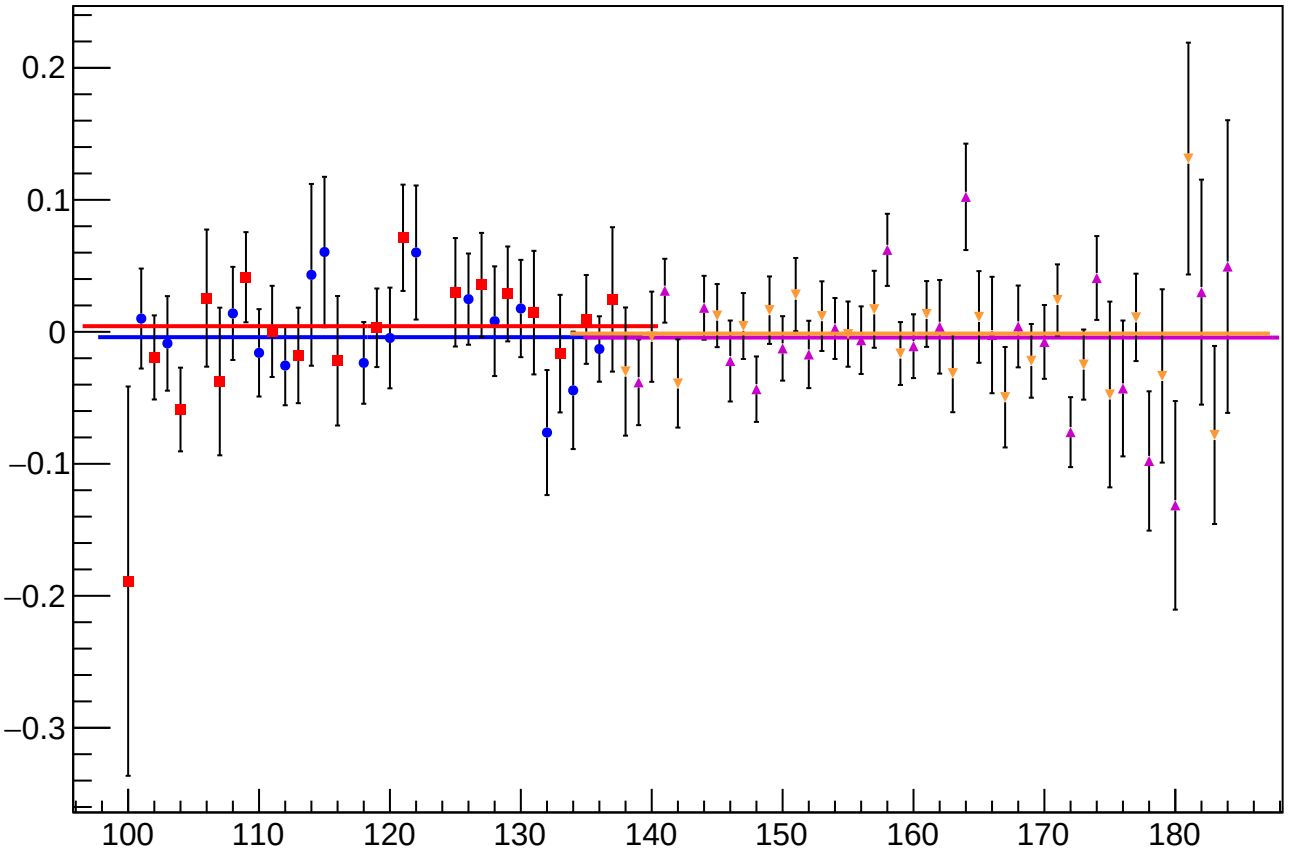
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

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

All: 24.133+/-0.003 χ^2/NDF: 4857855.0/79

- sign 24.301+/-0.004 χ^2/NDF: 2269751.2/40



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

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

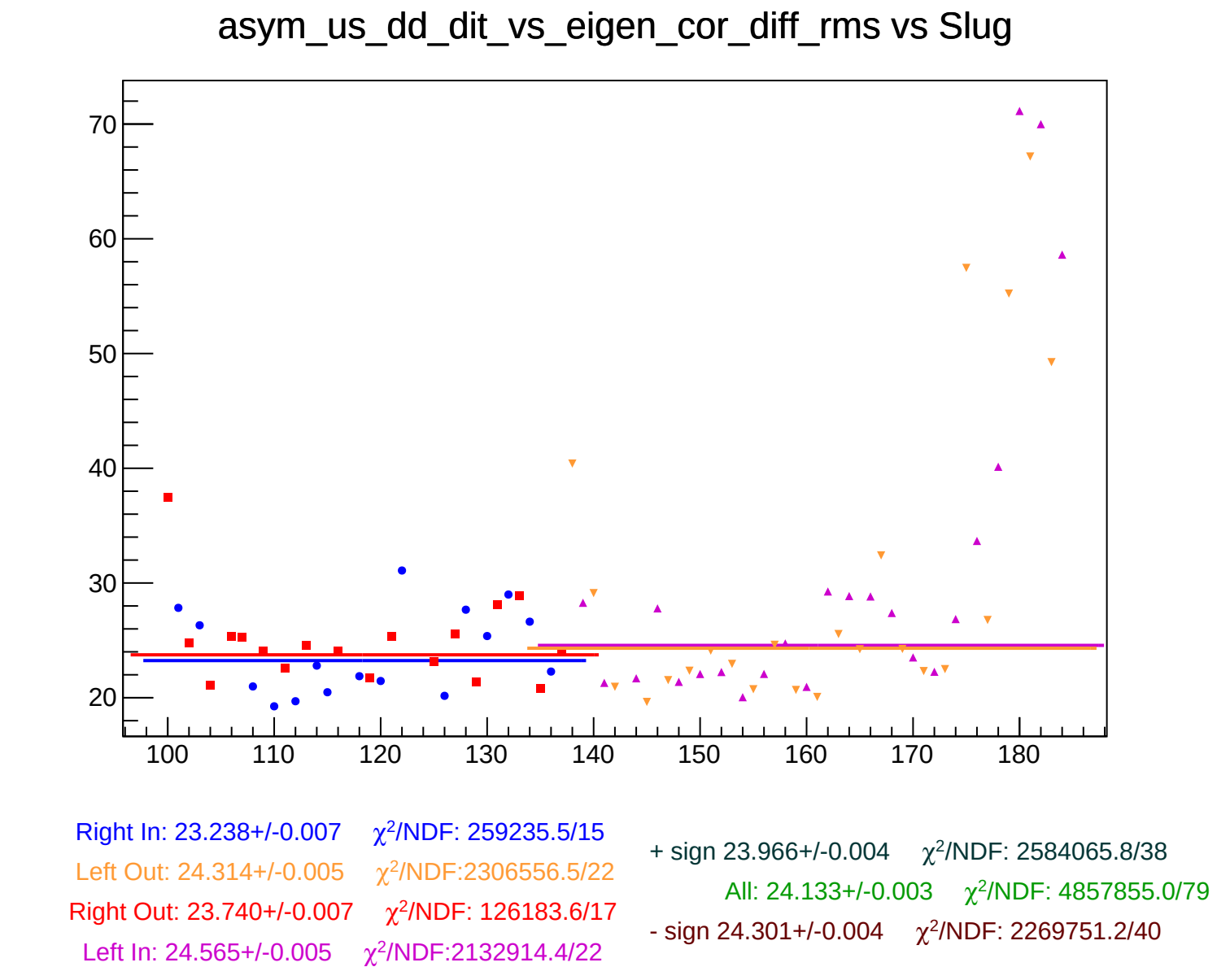
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

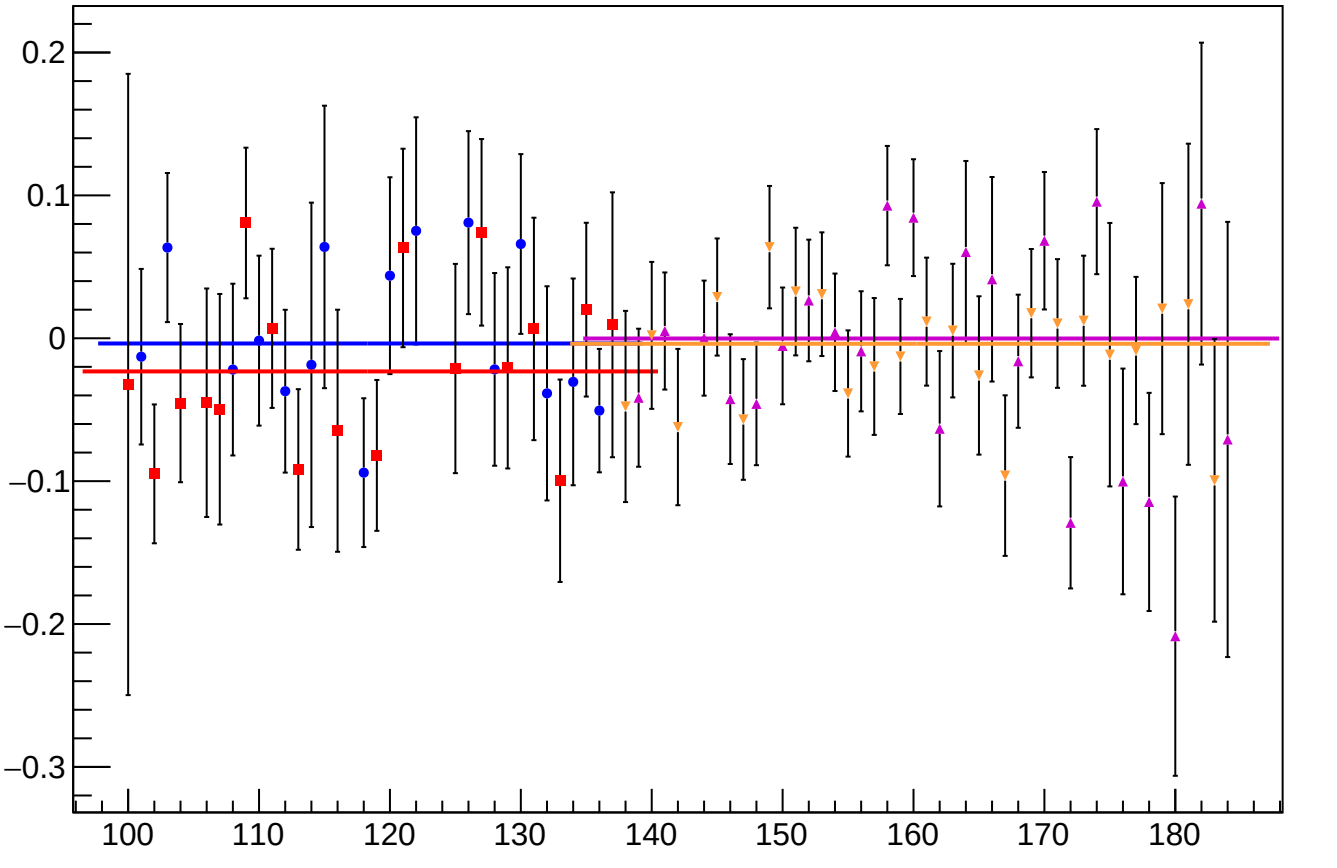
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 74.3/79

- sign -0.002+/-0.005 χ^2/NDF: 50.6/40


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 24.314+/-0.005 χ²/NDF:2306556.5/22
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
+ sign 23.966+/-0.004 χ²/NDF: 2584065.8/38
All: 24.133+/-0.003 χ²/NDF: 4857855.0/79
- sign 24.301+/-0.004 χ²/NDF: 2269751.2/40



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

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

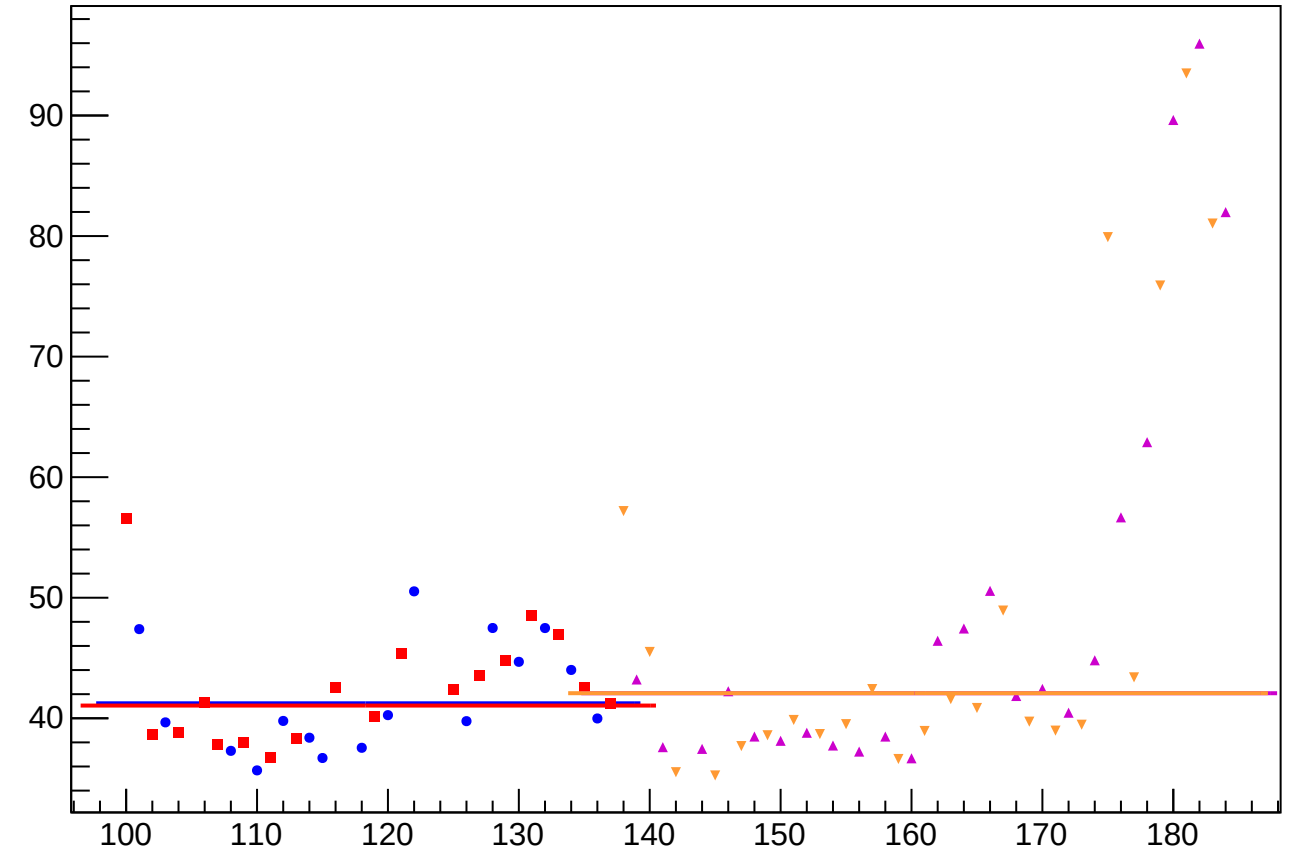
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.006+/-0.006 χ^2/NDF: 79.5/79

- sign -0.007+/-0.009 χ^2/NDF: 54.8/40



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

Left Out: 42.081+/-0.007 χ^2/NDF:1715974.8/22

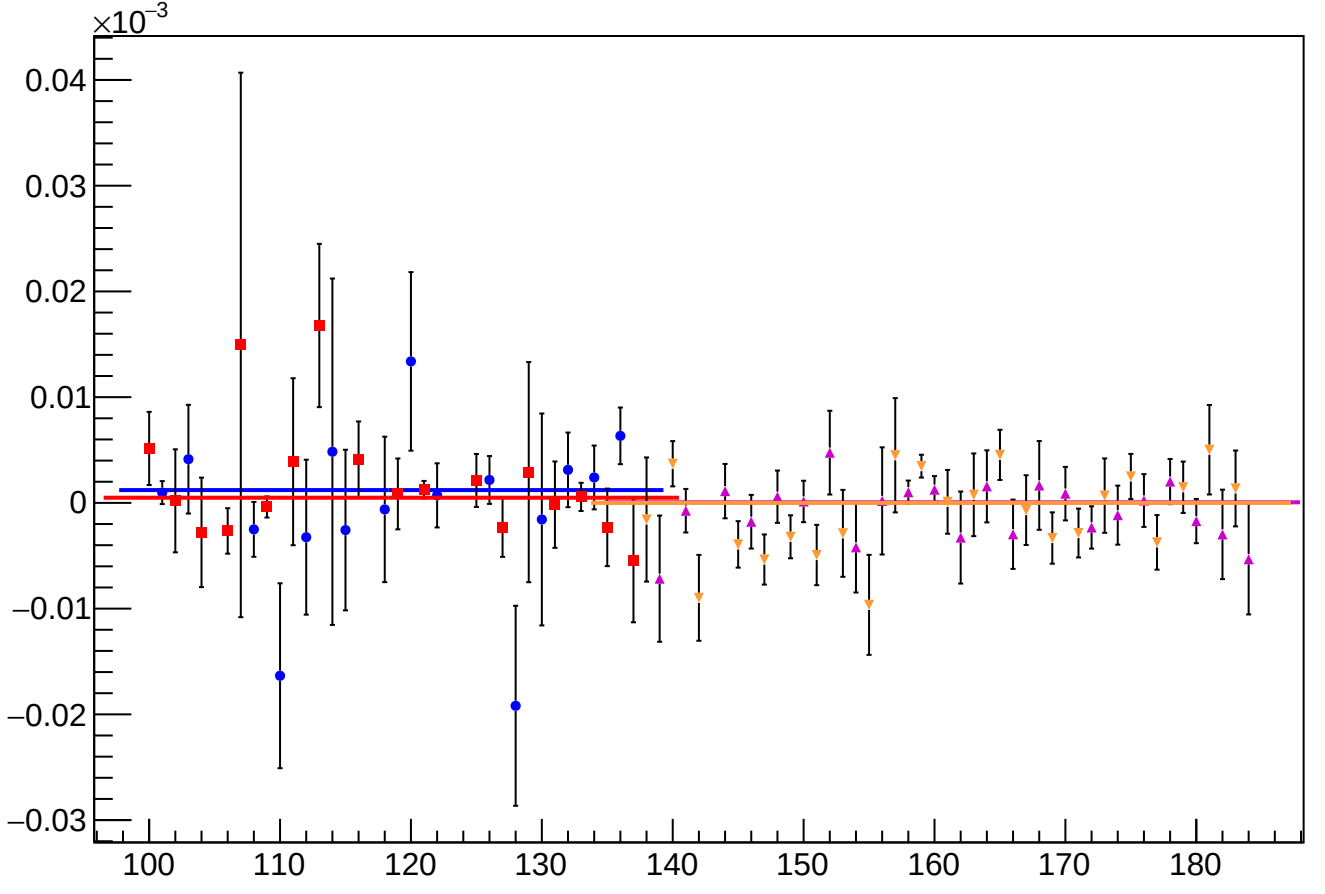
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 42.078+/-0.007 χ^2/NDF:1543505.8/22

+ sign 41.823+/-0.006 χ^2/NDF: 1855193.2/38

All: 41.791+/-0.004 χ^2/NDF: 3501314.9/79

- sign 41.760+/-0.006 χ^2/NDF: 1646069.7/40



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

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

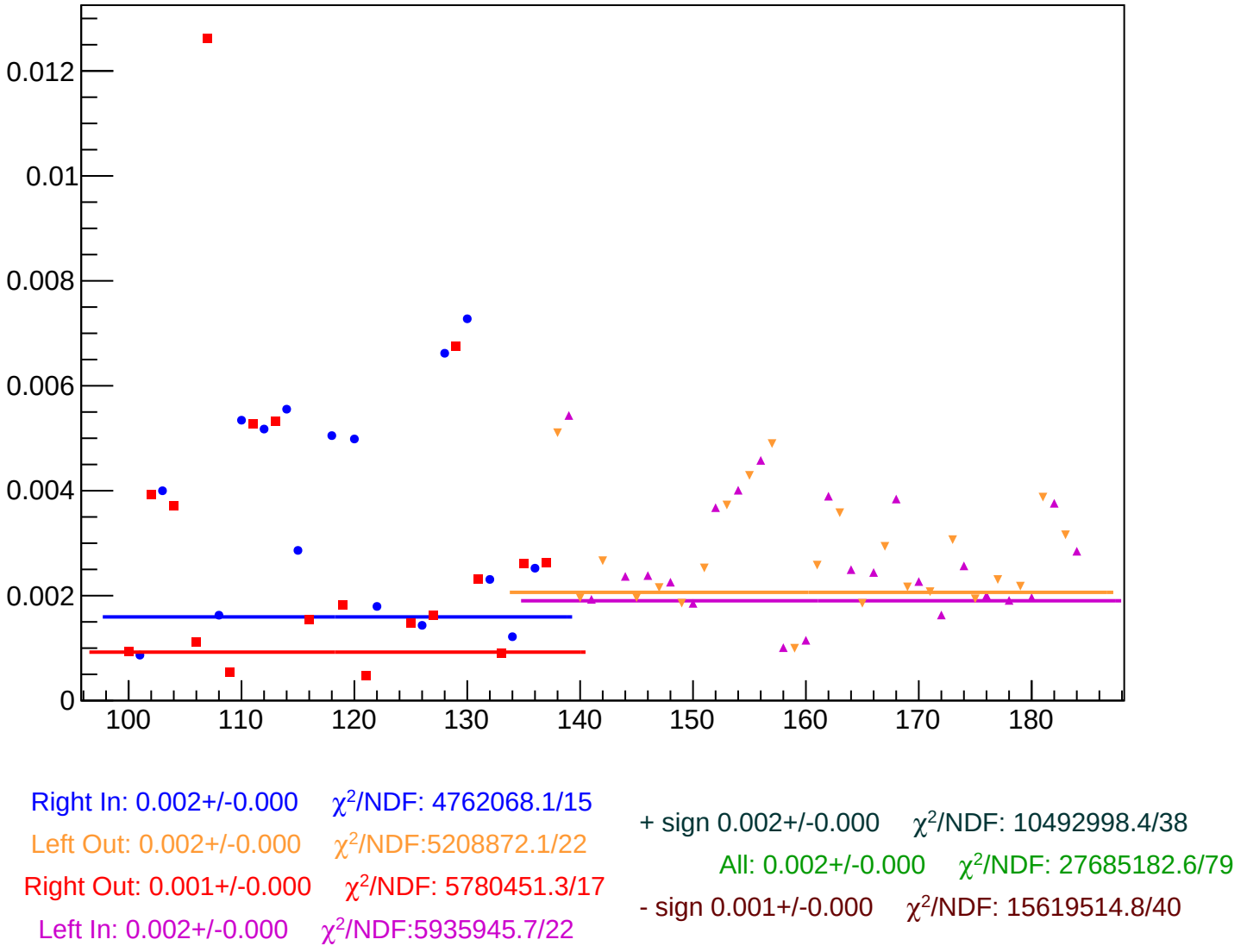
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

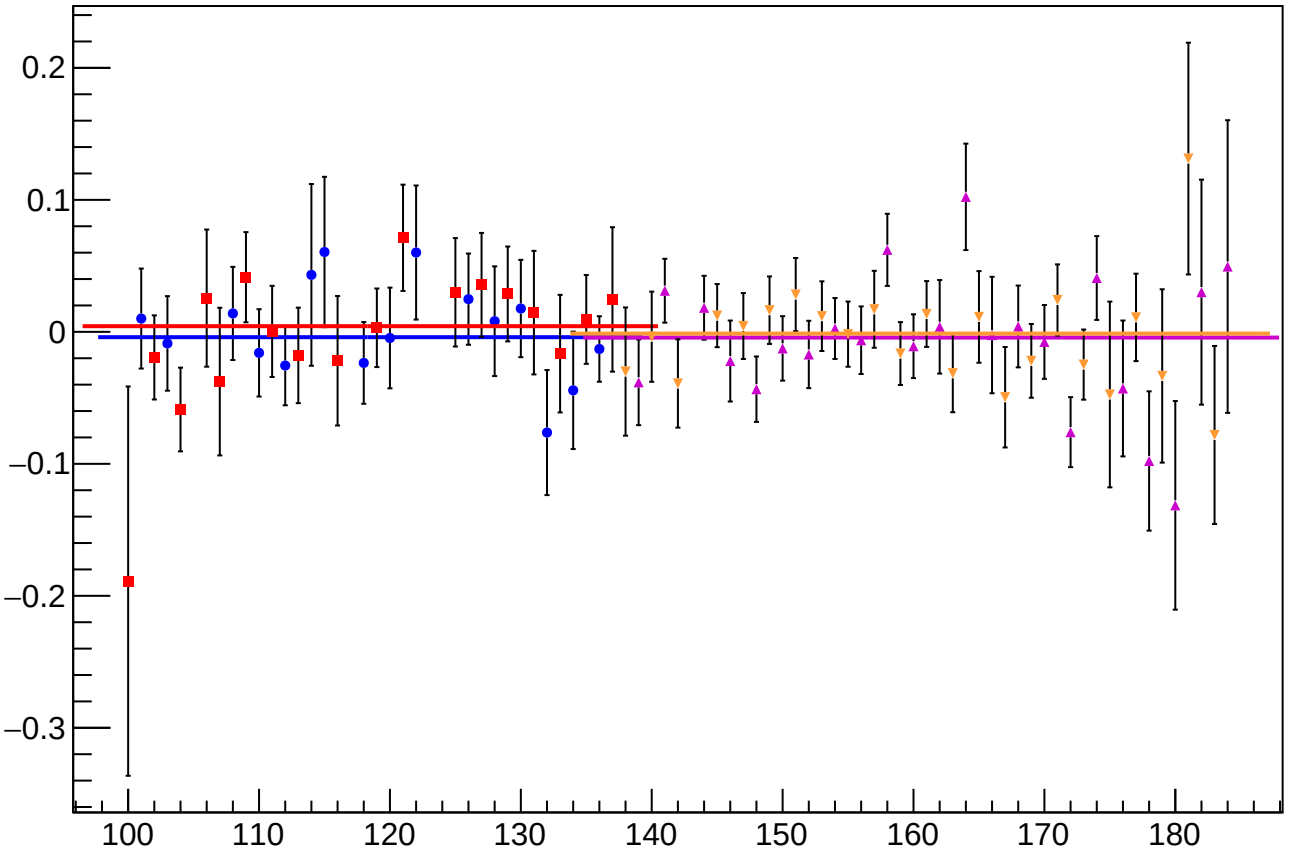
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.1/38

All: 0.000+/-0.000 χ^2/NDF: 98.5/79

- sign 0.000+/-0.000 χ^2/NDF: 28.4/40


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 4762068.1/15
Left Out: 0.002+/-0.000 χ²/NDF:5208872.1/22
Right Out: 0.001+/-0.000 χ²/NDF: 5780451.3/17
Left In: 0.002+/-0.000 χ²/NDF:5935945.7/22
+ sign 0.002+/-0.000 χ²/NDF: 10492998.4/38
All: 0.002+/-0.000 χ²/NDF: 27685182.6/79
- sign 0.001+/-0.000 χ²/NDF: 15619514.8/40



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

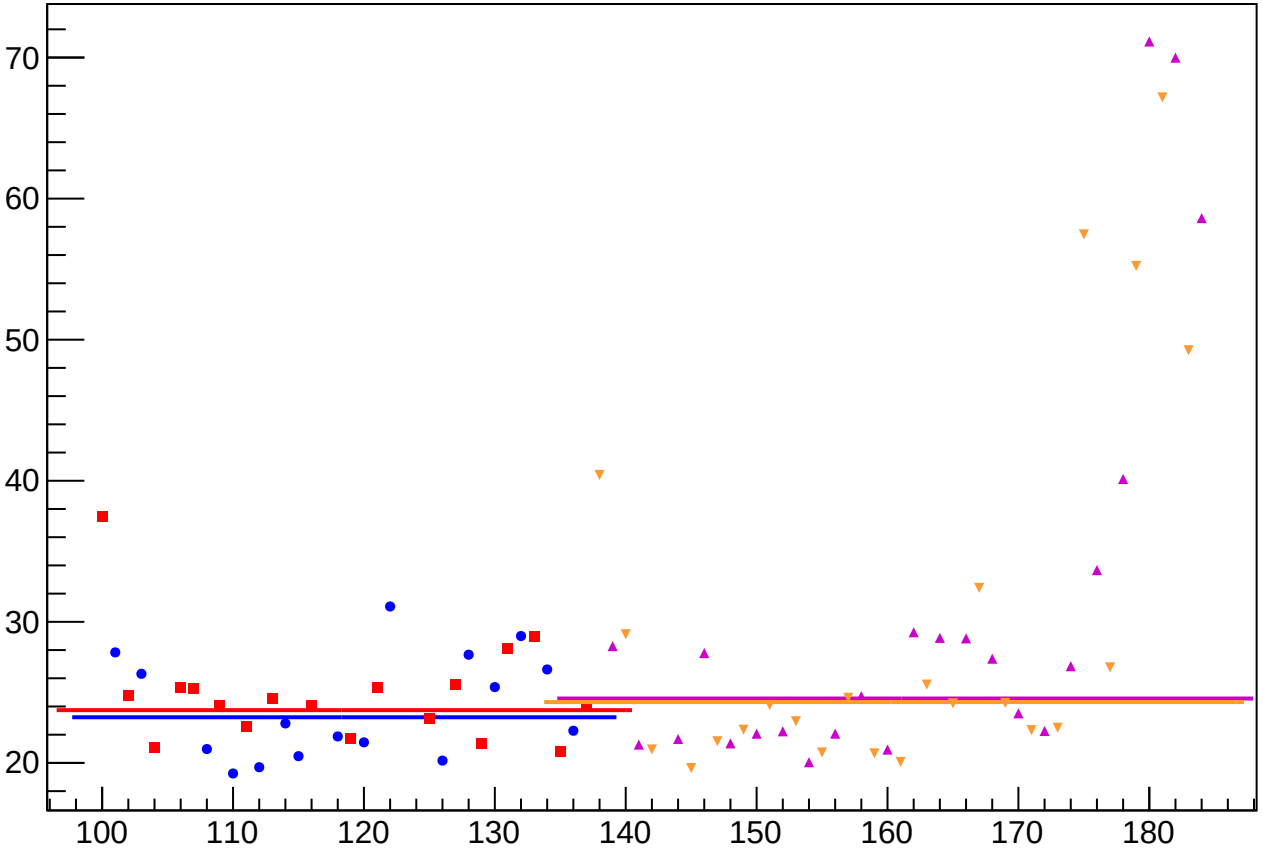
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 74.3/79

- sign -0.002+/-0.005 χ^2/NDF: 50.6/40

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

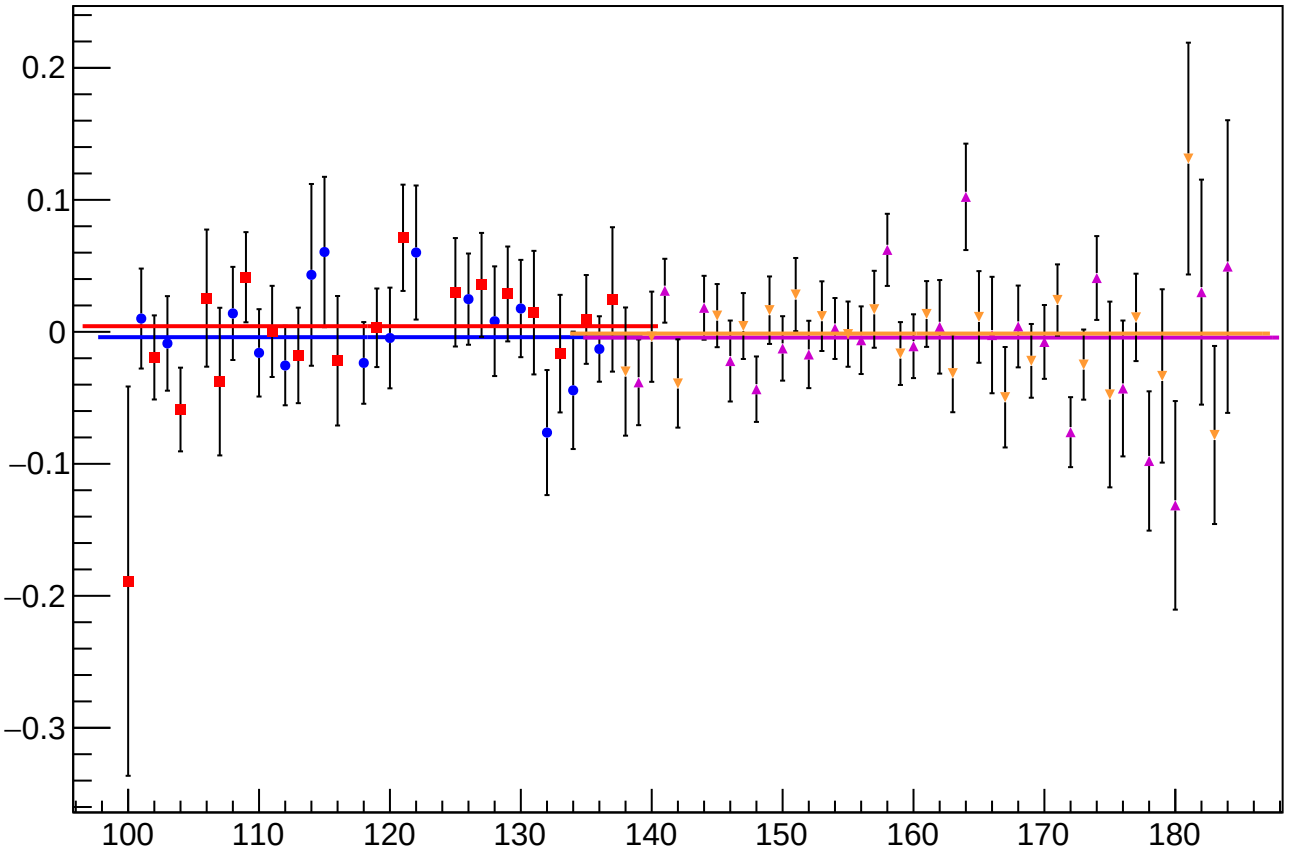
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

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

All: 24.133+/-0.003 χ^2/NDF: 4857704.2/79

- sign 24.301+/-0.004 χ^2/NDF: 2269566.2/40



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

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

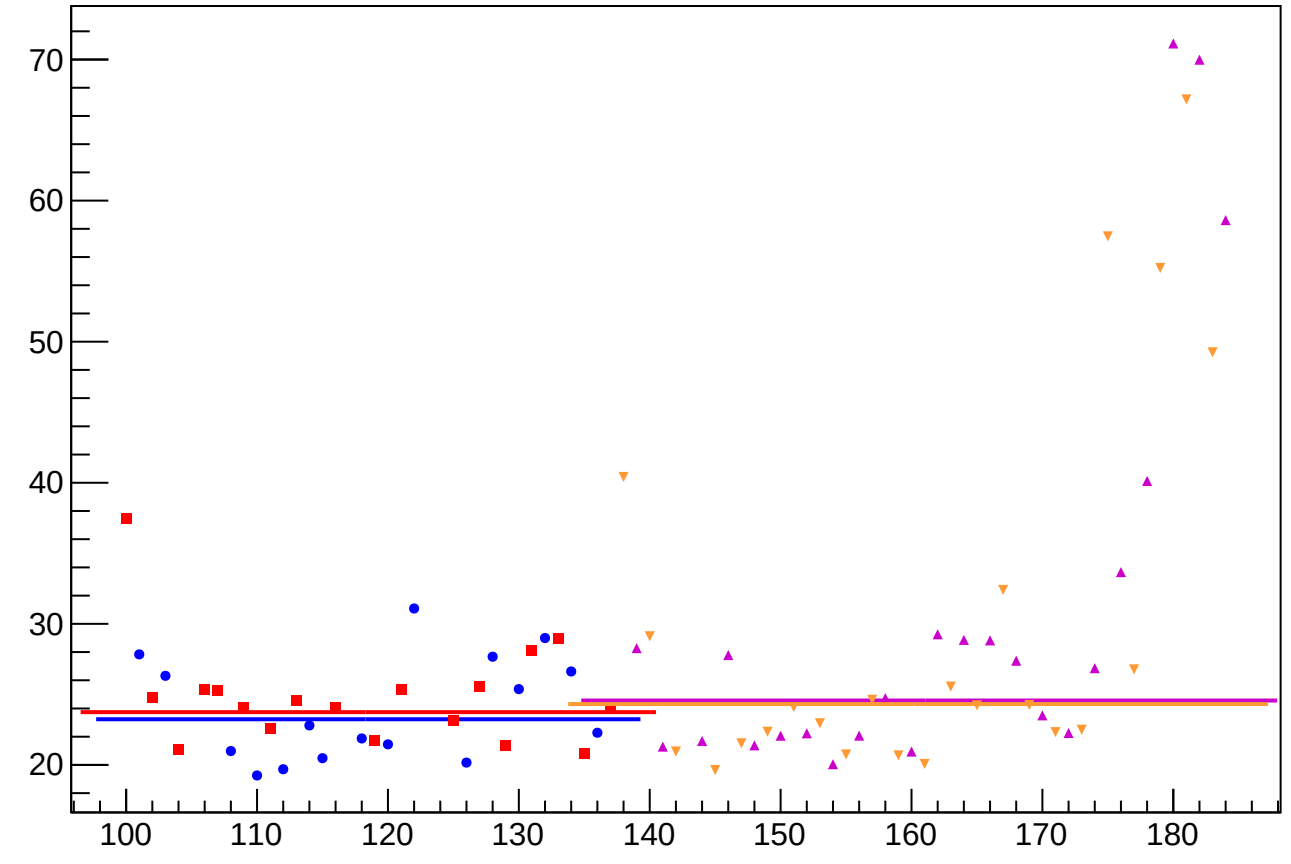
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 74.3/79

- sign -0.002+/-0.005 χ^2/NDF: 50.6/40



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

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

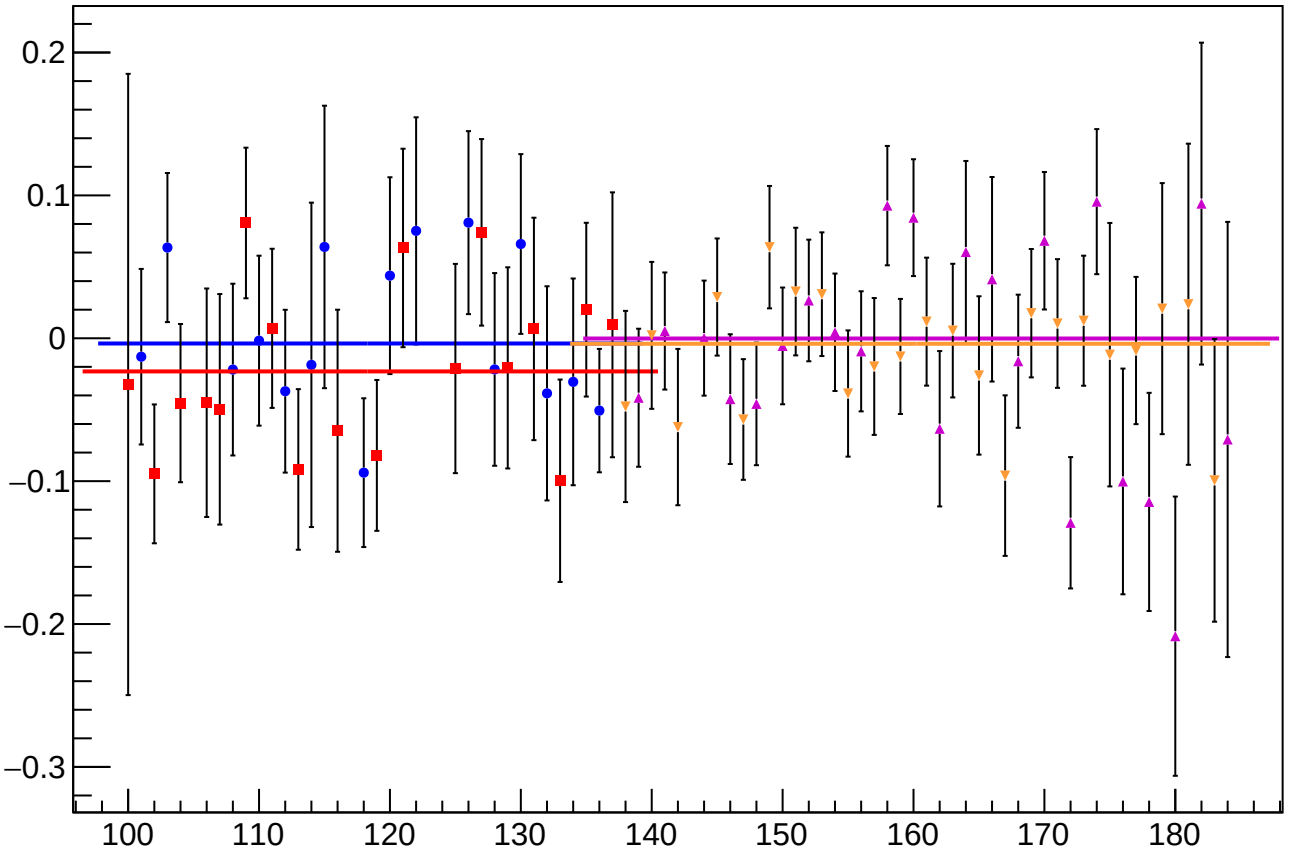
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

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

All: 24.133+/-0.003 χ^2/NDF: 4857704.2/79

- sign 24.301+/-0.004 χ^2/NDF: 2269566.2/40



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

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

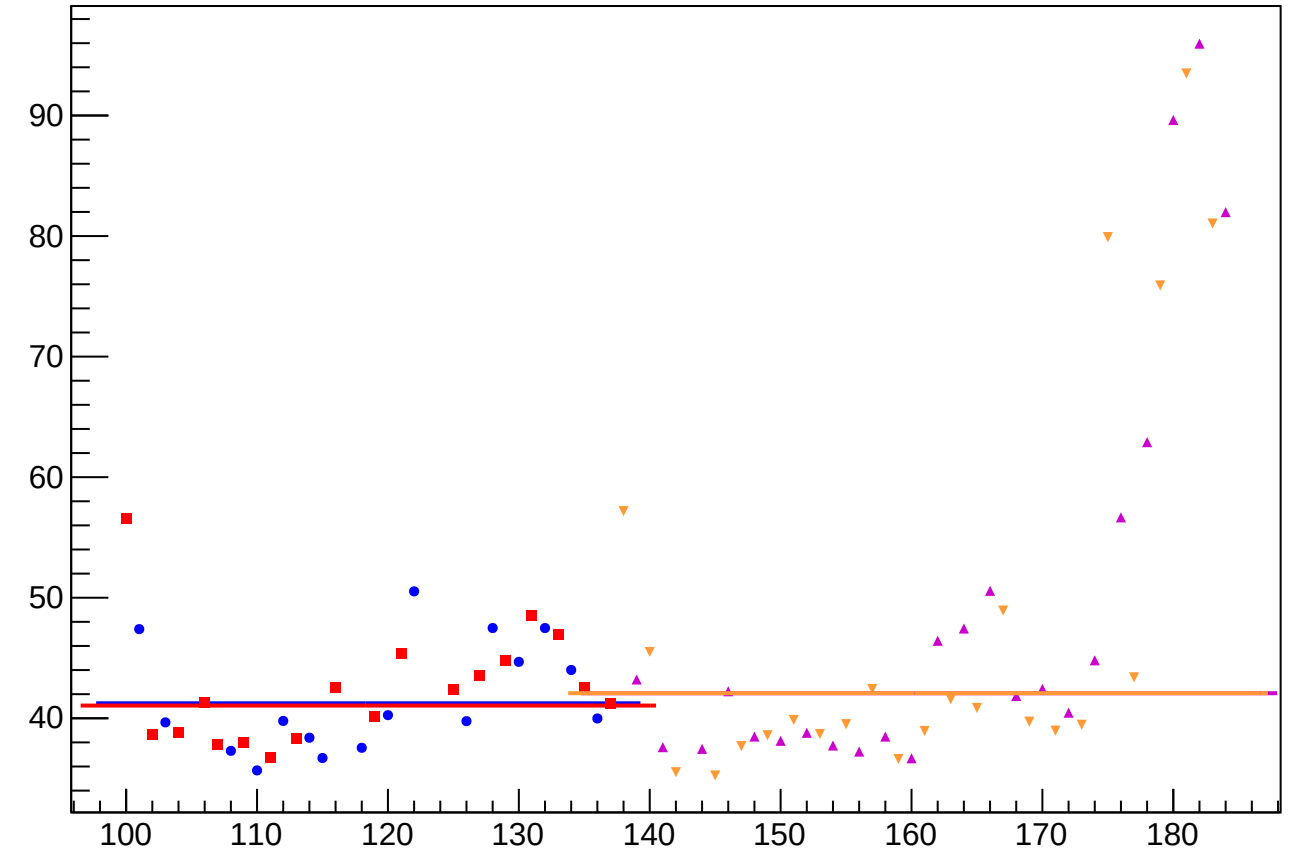
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.006+/-0.006 χ^2/NDF: 79.5/79

- sign -0.007+/-0.009 χ^2/NDF: 54.8/40



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

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

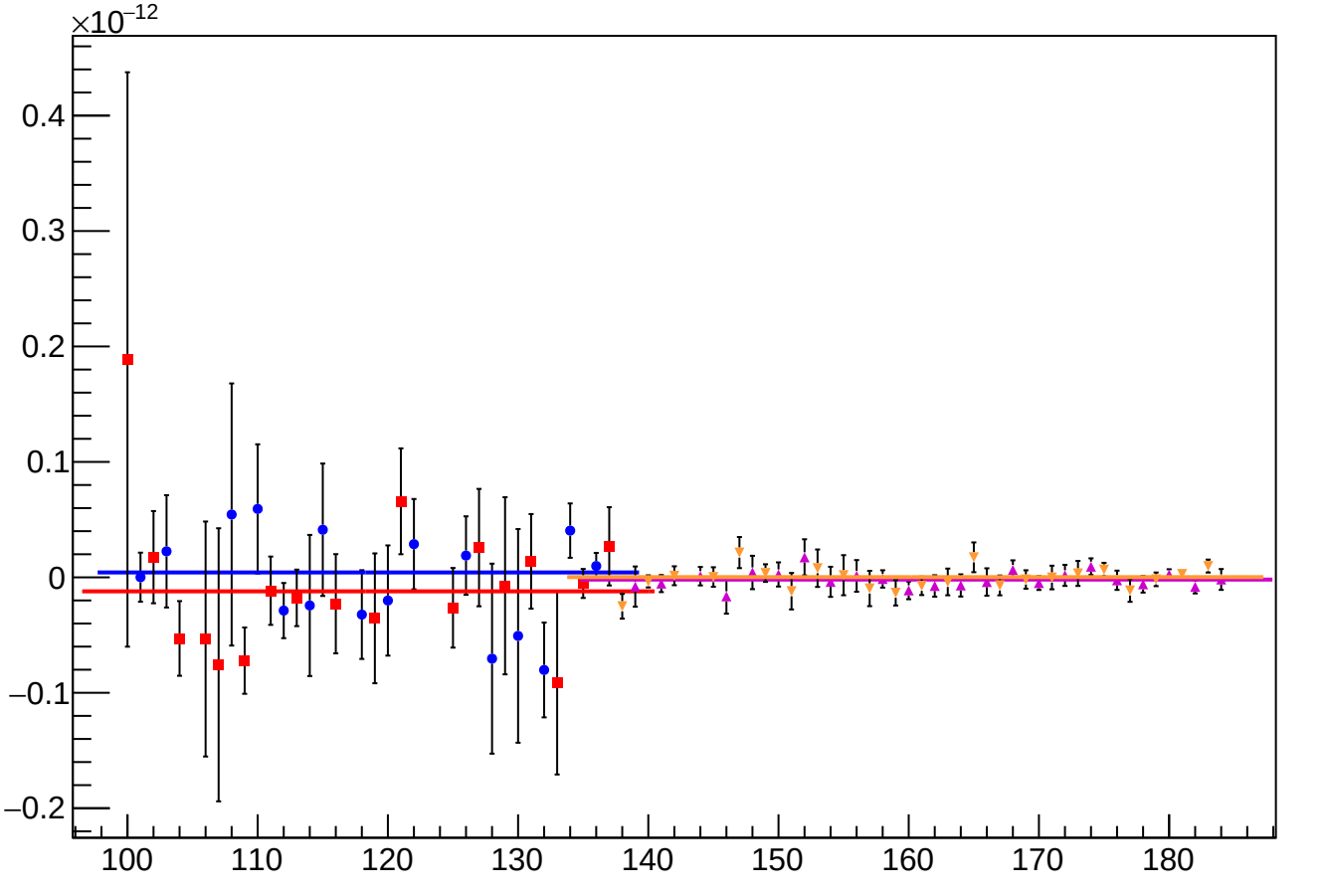
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

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

All: 41.791+/-0.004 χ^2/NDF: 3501251.9/79

- sign 41.760+/-0.006 χ^2/NDF: 1646035.9/40



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

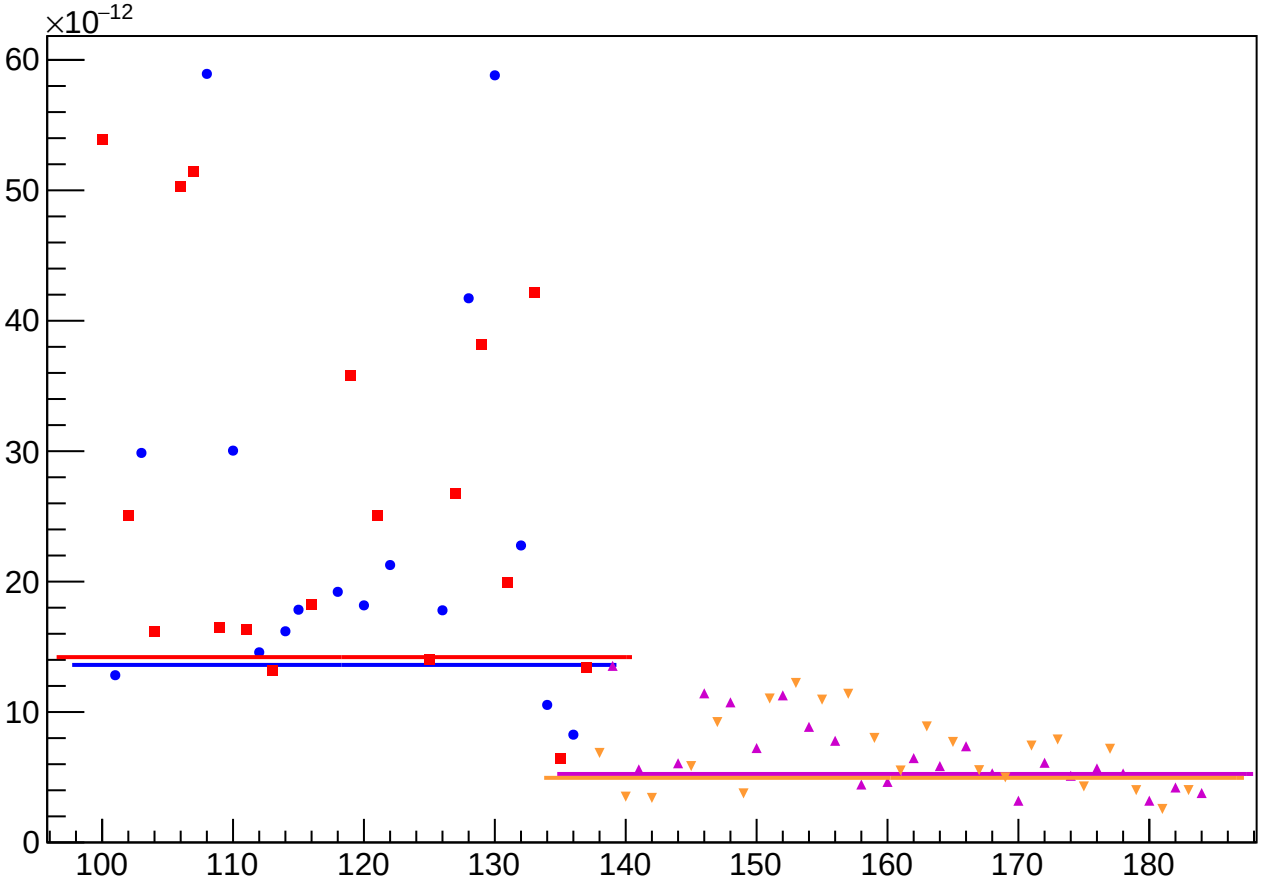
Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/38

All: -0.000+/-0.000 χ^2/NDF: 64.4/79

- sign -0.000+/-0.000 χ^2/NDF: 27.9/40

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2188622.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3516156.5/22

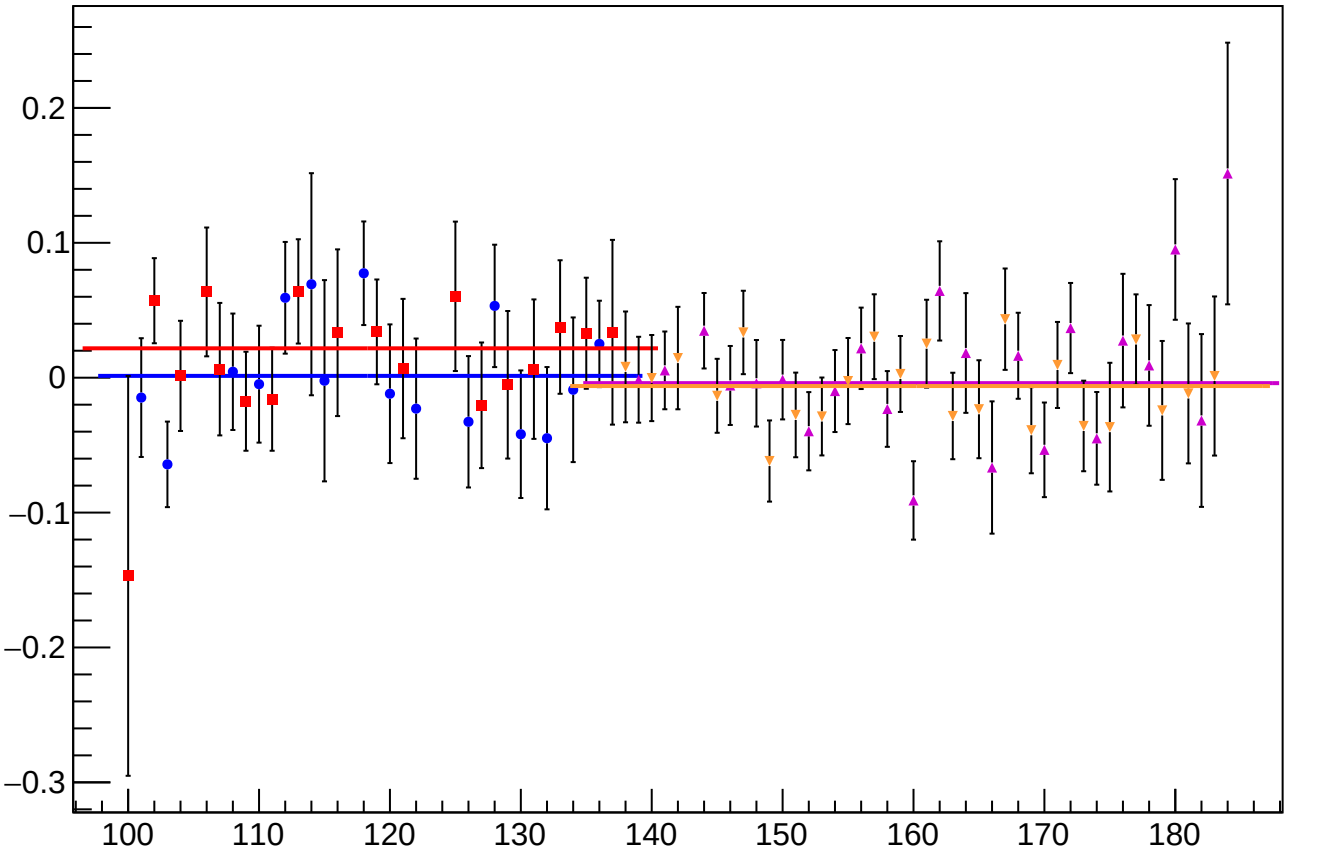
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

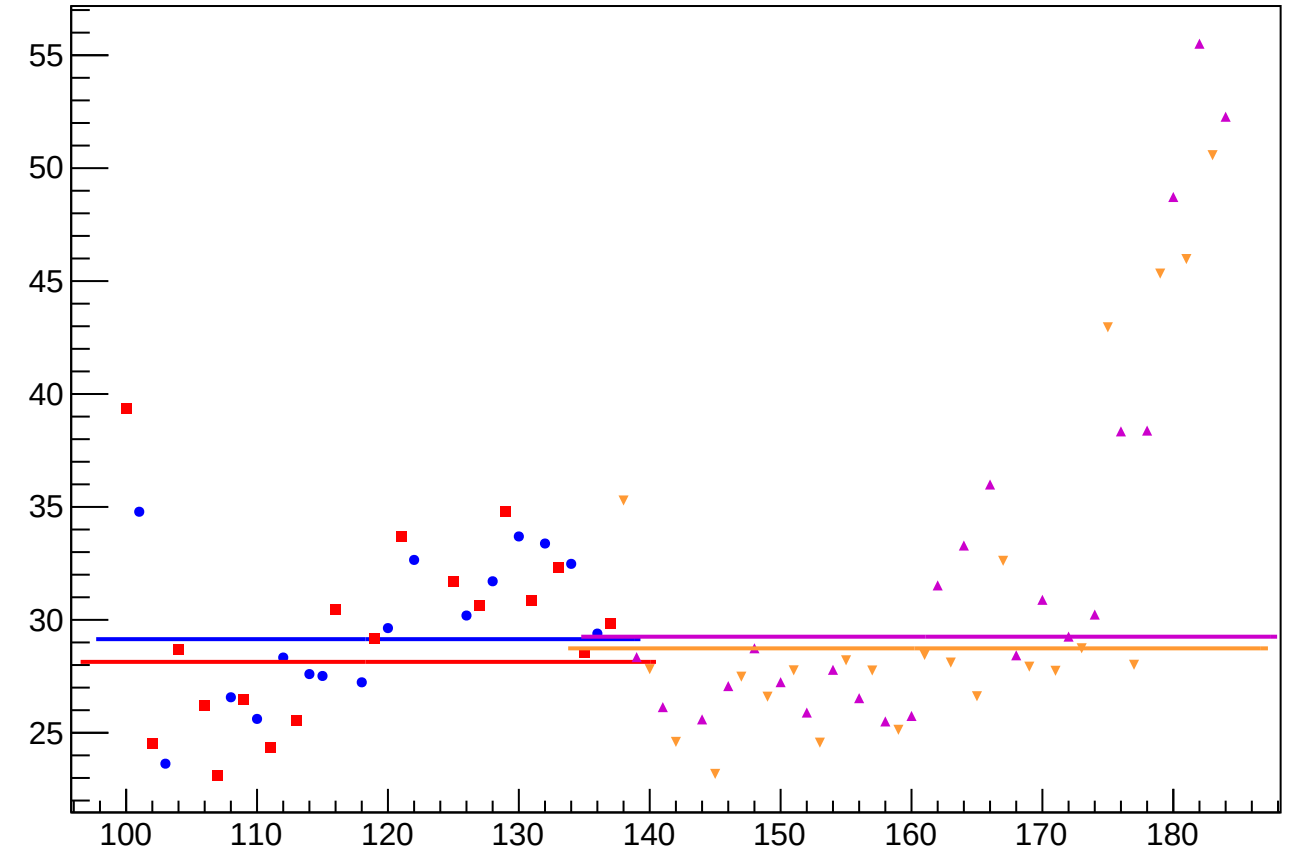
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8323830.4/38

All: 0.000+/-0.000 χ^2/NDF: 15966022.1/79

- sign 0.000+/-0.000 χ^2/NDF: 7611072.3/40


asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.006+/-0.007 χ²/NDF:15.2/22
Right Out: 0.022+/-0.011 χ²/NDF: 9.0/17
Left In: -0.004+/-0.007 χ²/NDF:31.2/22
+ sign -0.004+/-0.006 χ²/NDF: 30.8/38
All: -0.000+/-0.004 χ²/NDF: 75.9/79
- sign 0.004+/-0.006 χ²/NDF: 44.3/40



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

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

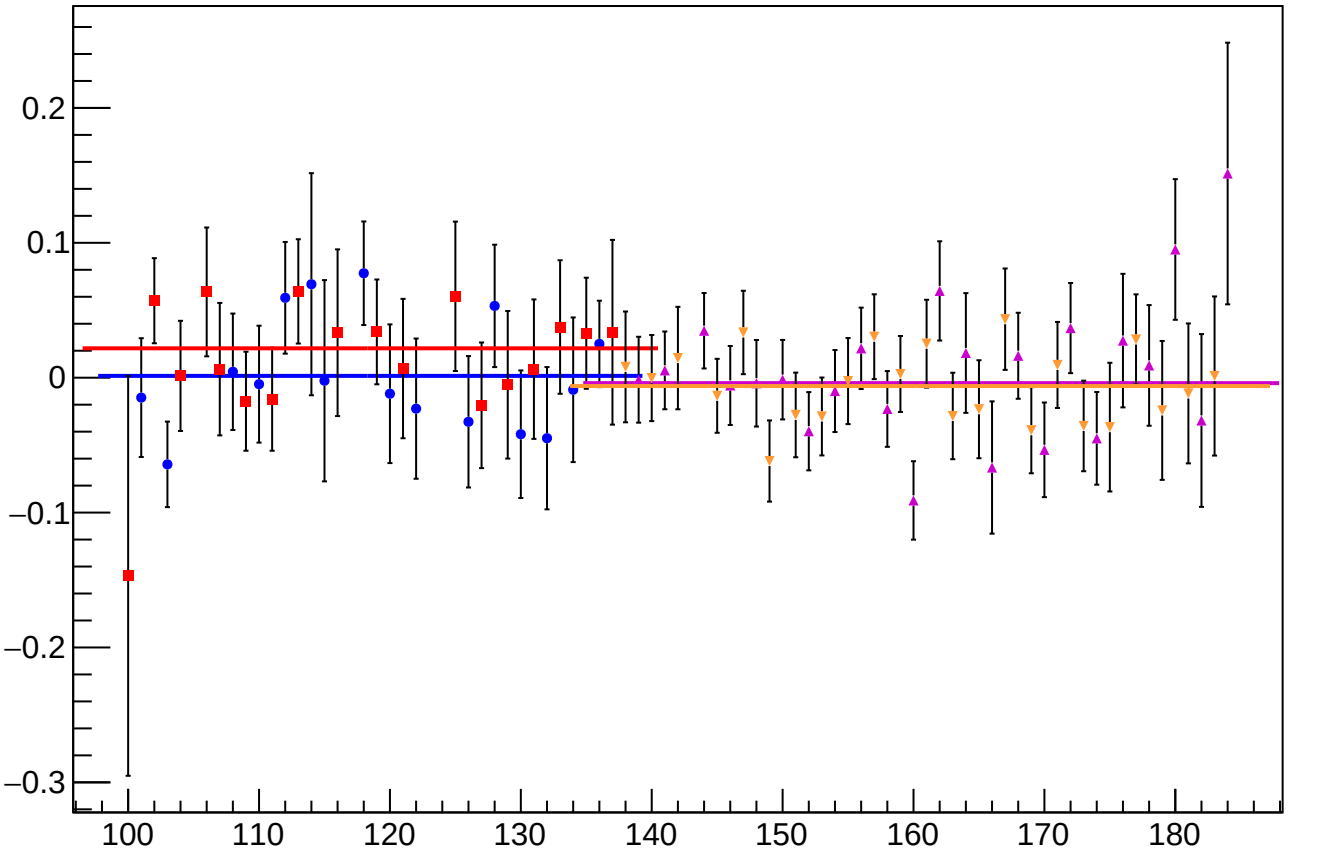
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

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

All: 28.884+/-0.003 χ^2/NDF: 2685611.0/79

- sign 28.912+/-0.004 χ^2/NDF: 1342253.5/40



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

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

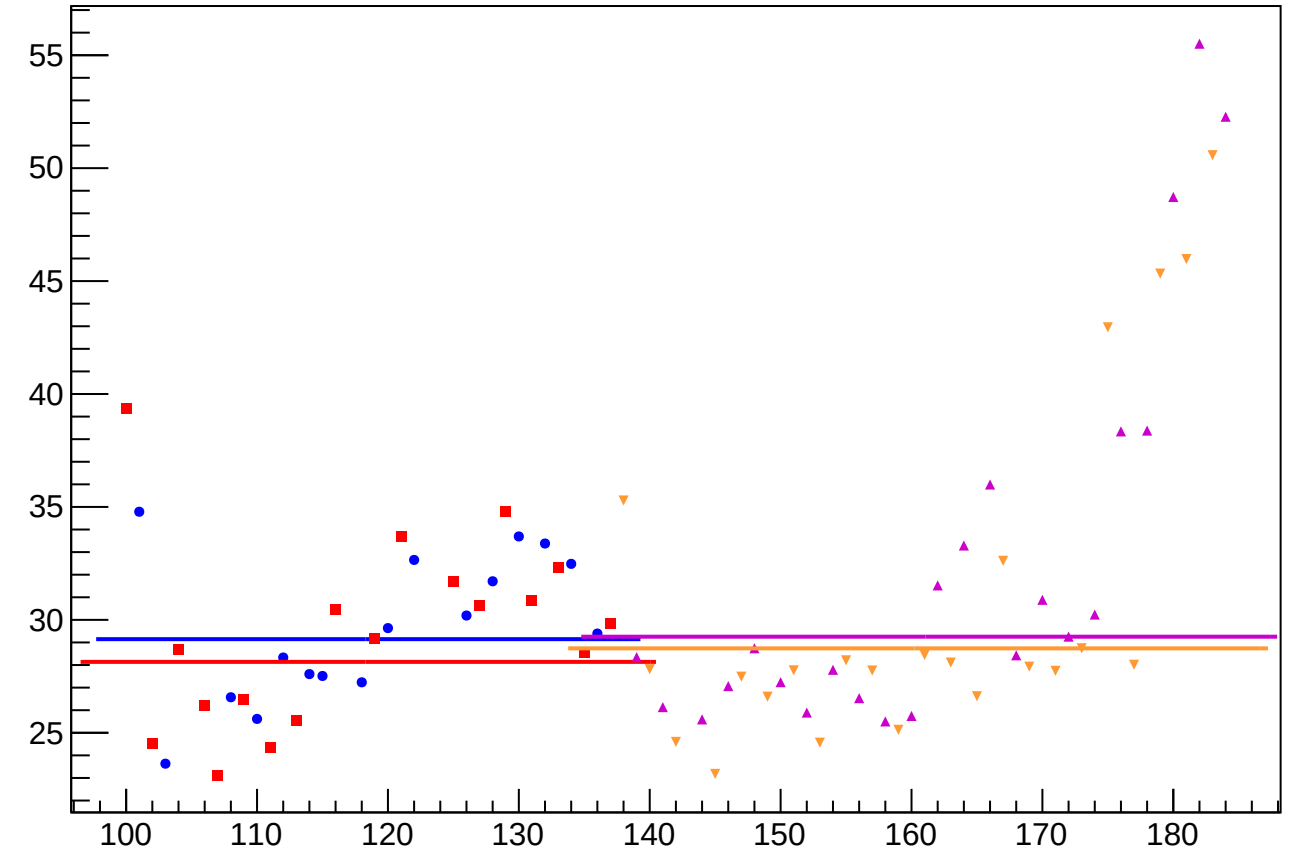
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.000+/-0.004 χ^2/NDF: 75.9/79

- sign 0.004+/-0.006 χ^2/NDF: 44.3/40



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

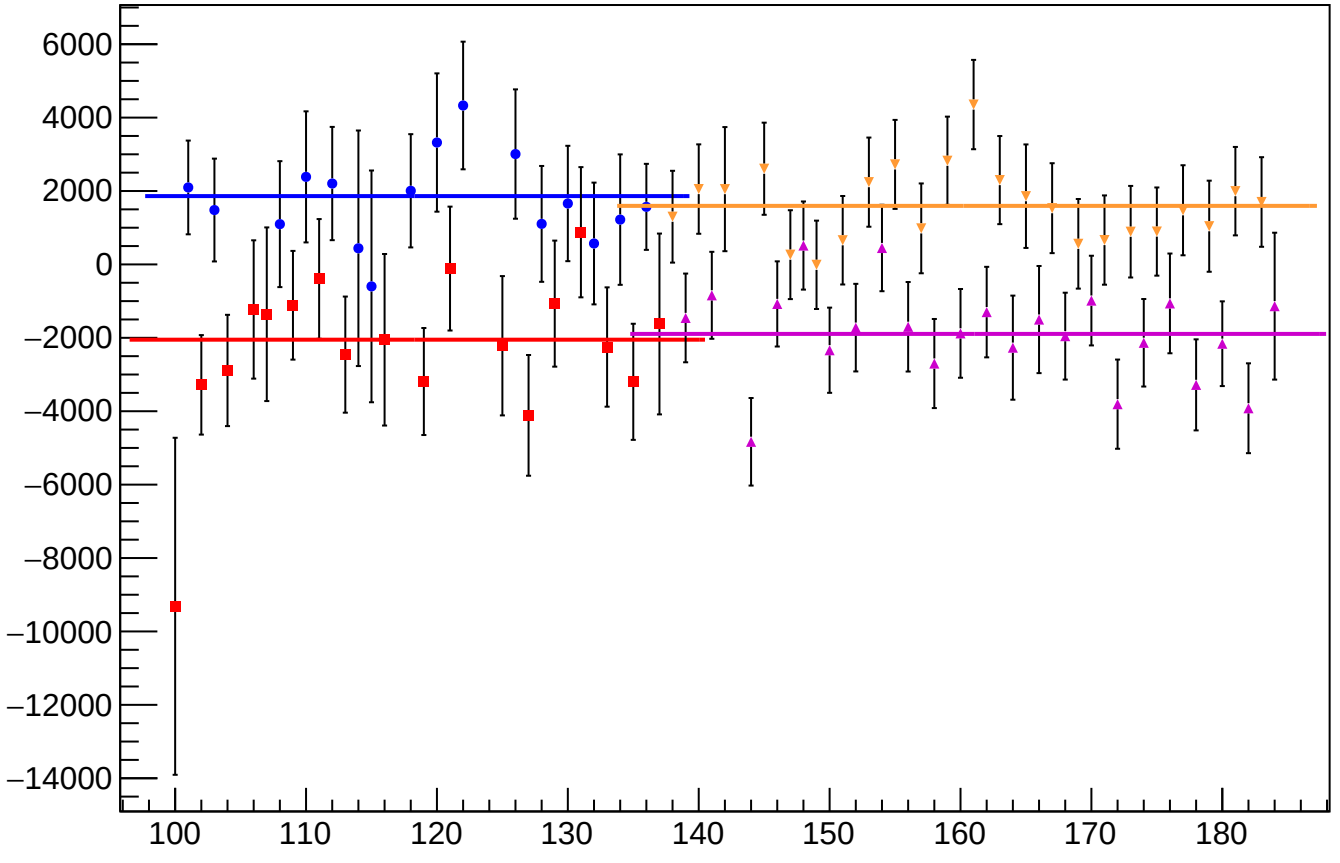
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

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

All: 28.884+/-0.003 χ^2/NDF: 2685611.0/79

- sign 28.912+/-0.004 χ^2/NDF: 1342253.5/40

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

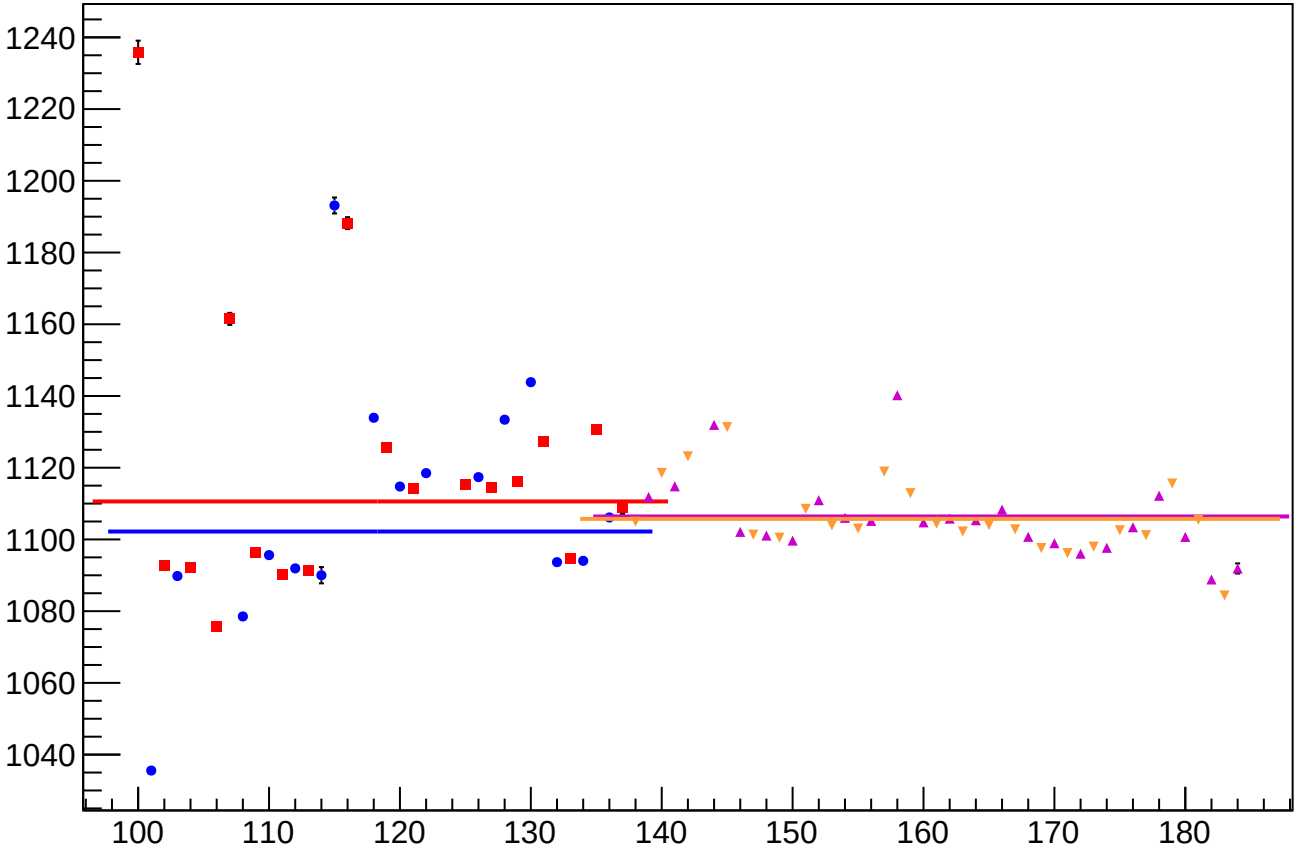
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -134.476+/-154.510 χ^2/NDF: 193.6/79

- sign -1938.223+/-218.455 χ^2/NDF: 36.7/40

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

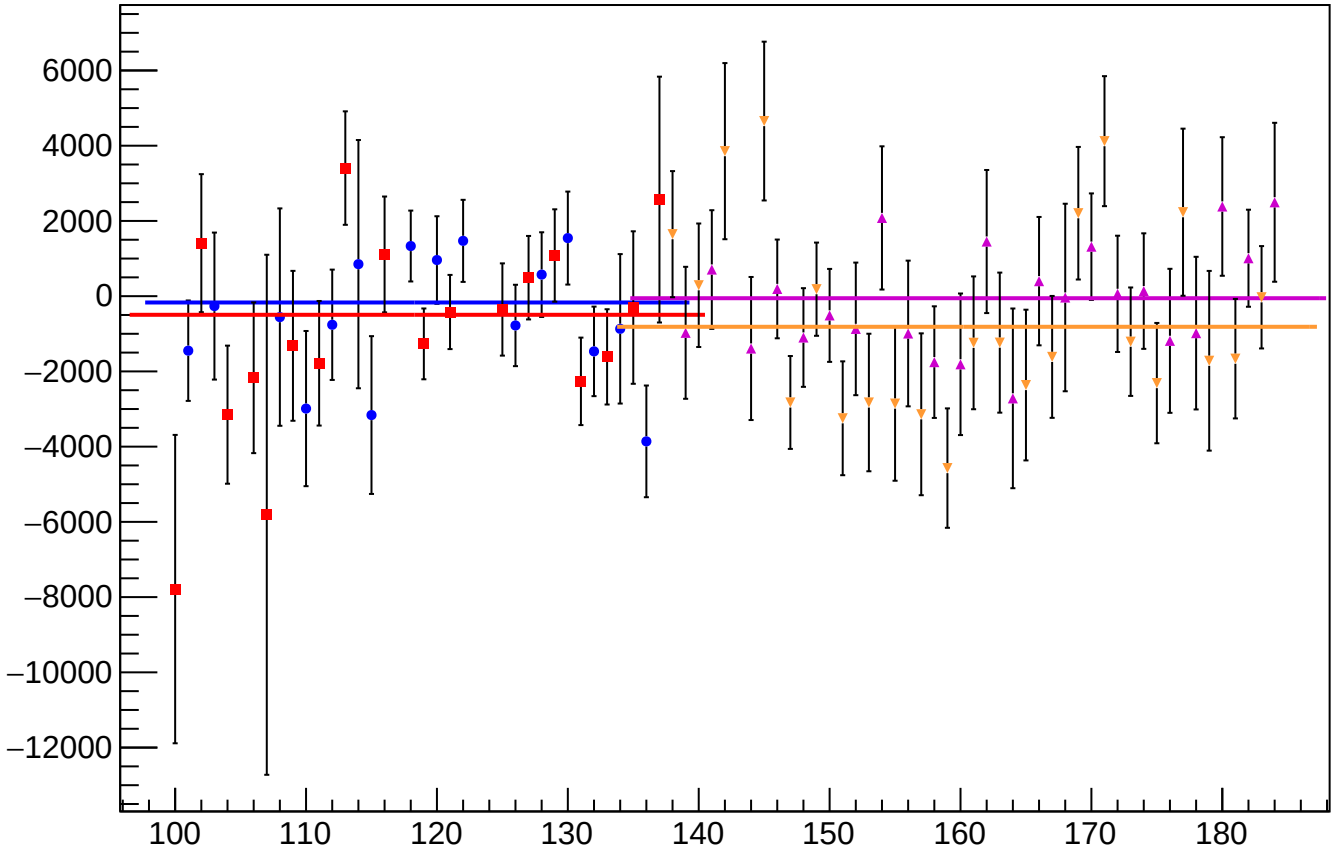
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

All: 1106.166+/-0.109 χ^2/NDF: 26011.1/79

- sign 1107.598+/-0.154 χ^2/NDF: 11622.1/40

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

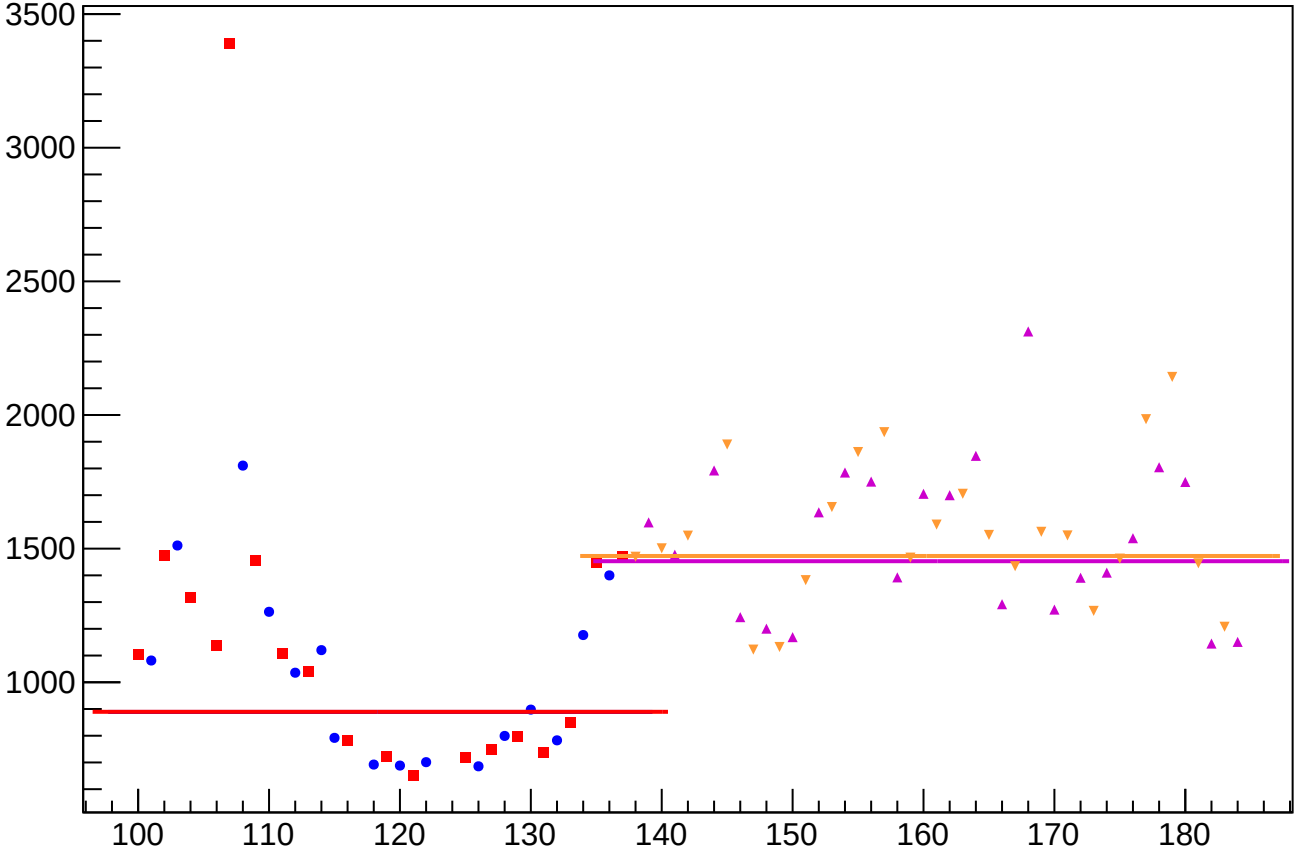
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -379.670+/-173.435 χ^2/NDF: 104.0/79

- sign -275.339+/-244.311 χ^2/NDF: 37.1/40

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

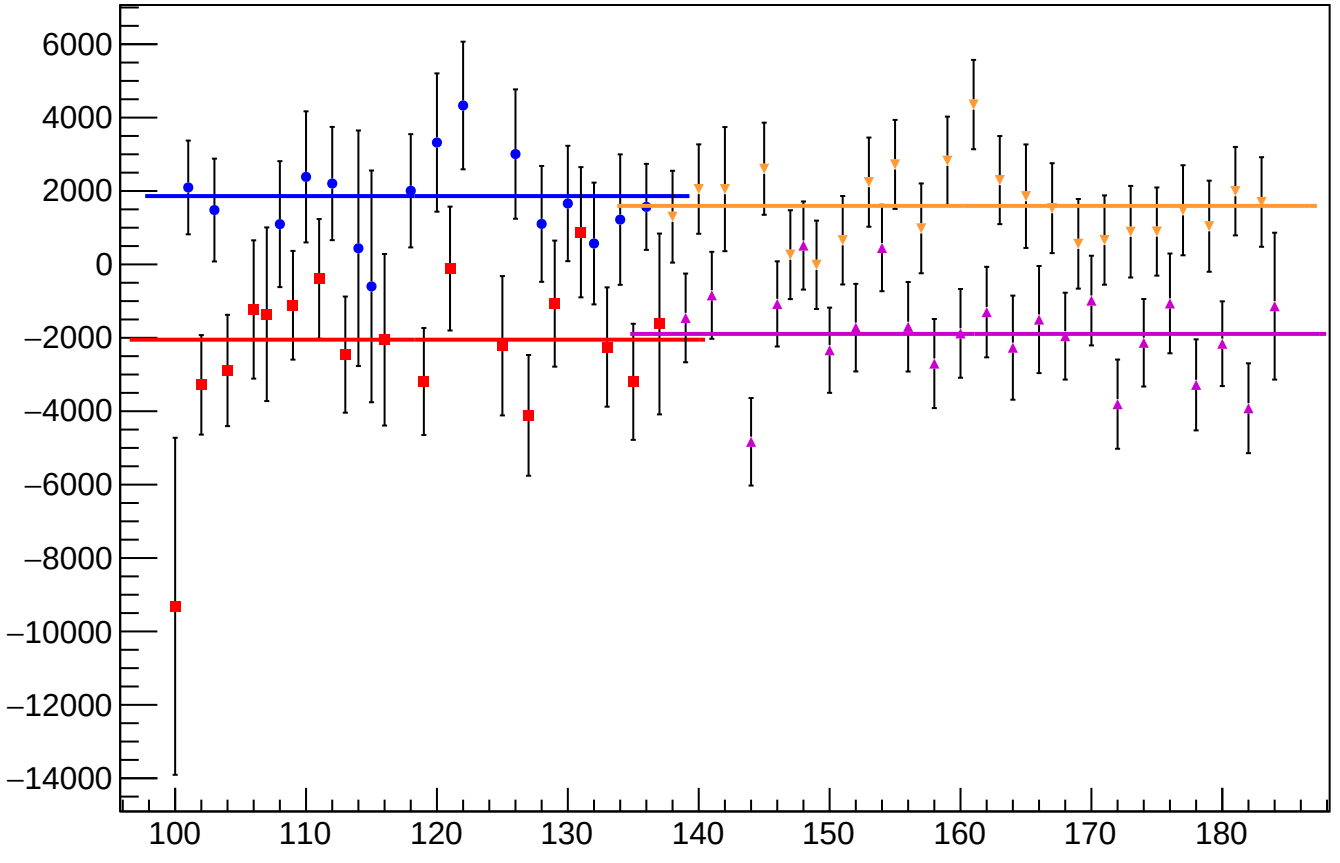
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1173.213+/-0.123 χ^2/NDF: 10094739.6/7

- sign 1170.490+/-0.173 χ^2/NDF: 5135295.0/40

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

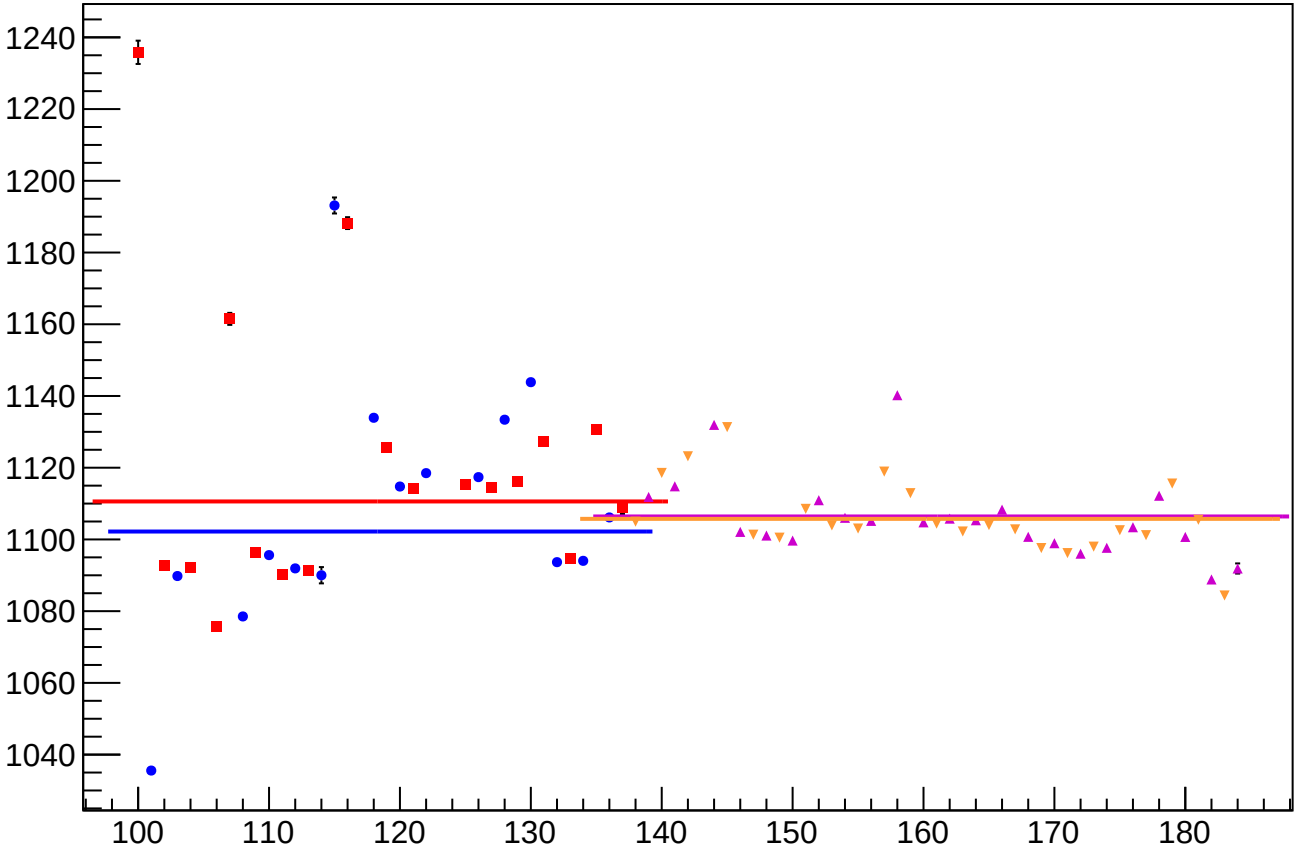
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -134.476+/-154.510 χ^2/NDF: 193.6/79

- sign -1938.223+/-218.455 χ^2/NDF: 36.7/40

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

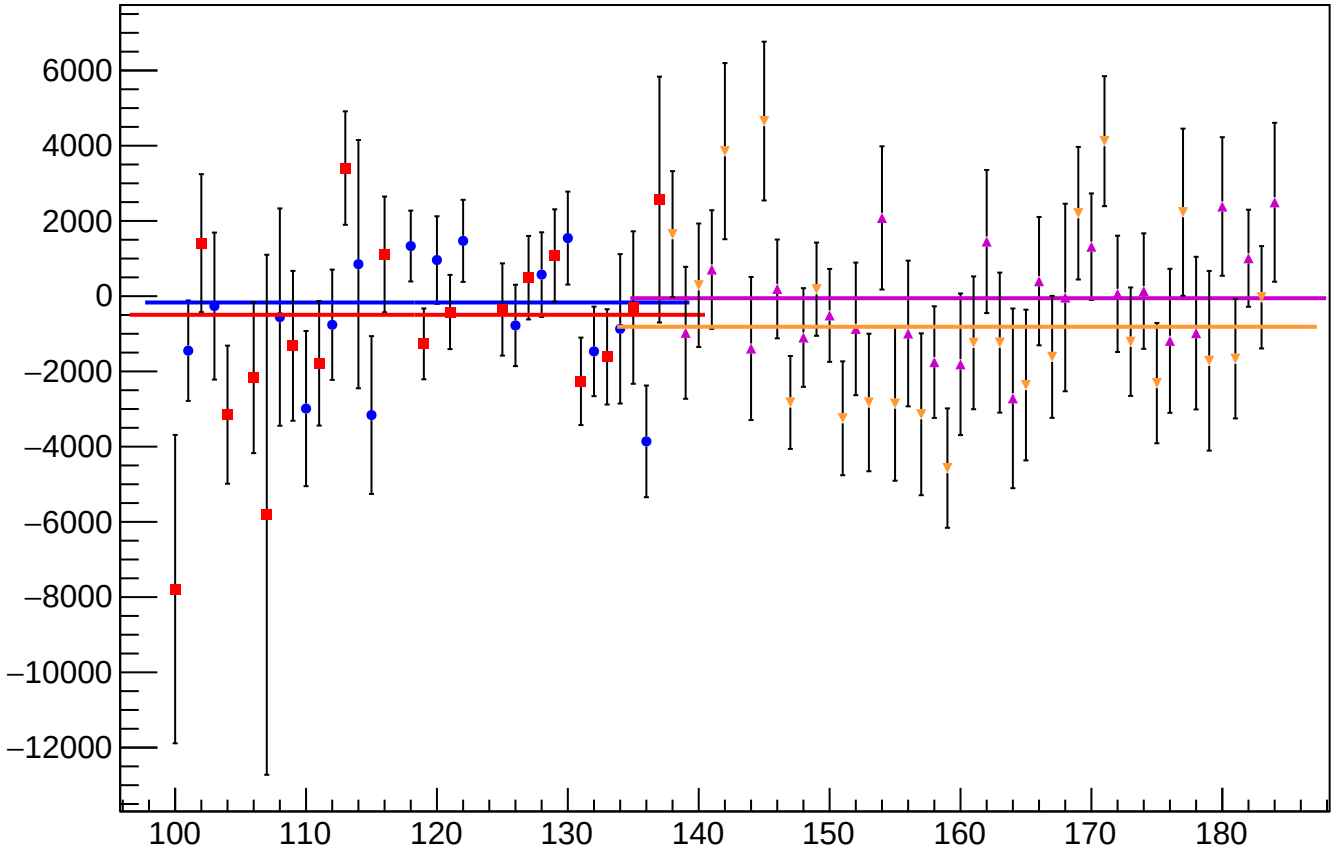
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

All: 1106.166+/-0.109 χ^2/NDF: 26011.1/79

- sign 1107.598+/-0.154 χ^2/NDF: 11622.1/40

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

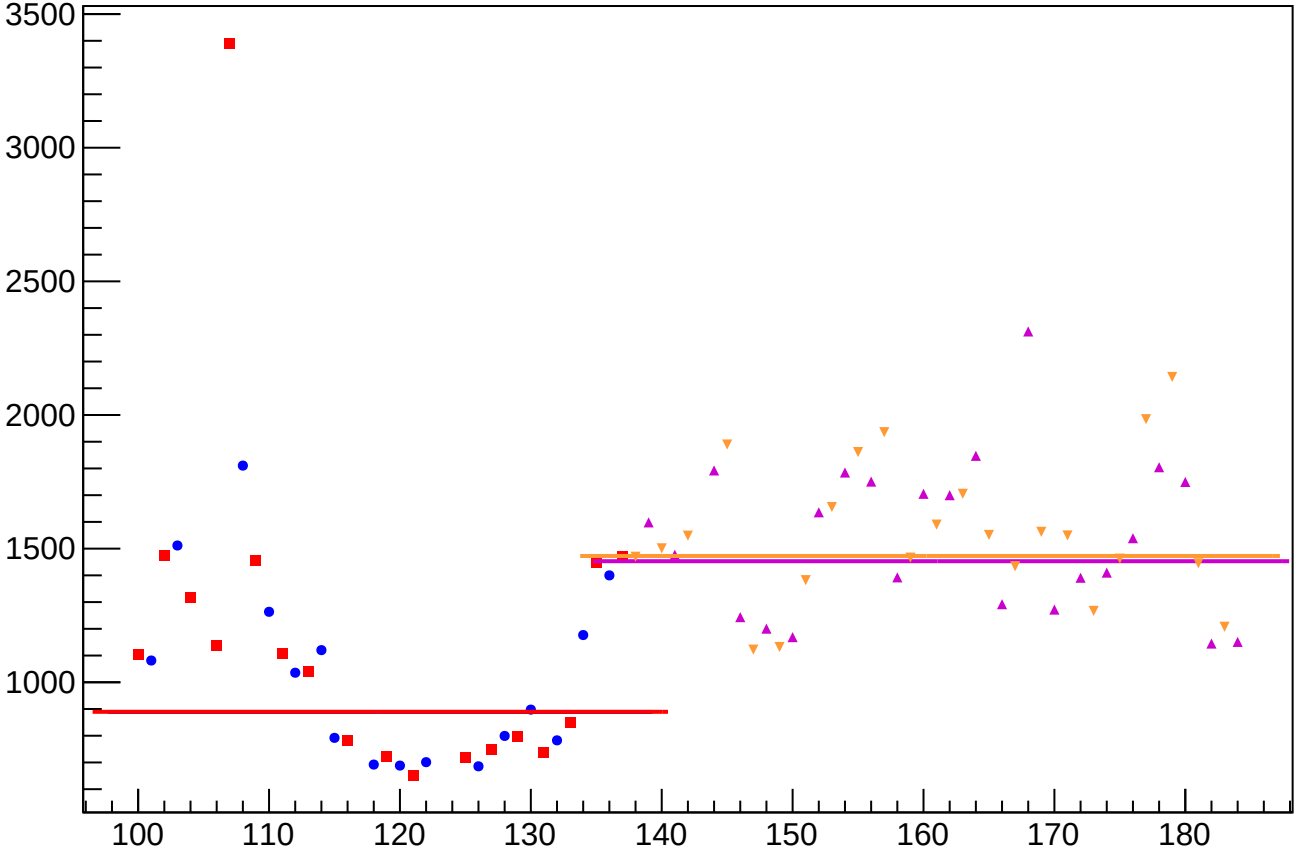
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -379.670+/-173.435 χ^2/NDF: 104.0/79

- sign -275.339+/-244.311 χ^2/NDF: 37.1/40

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

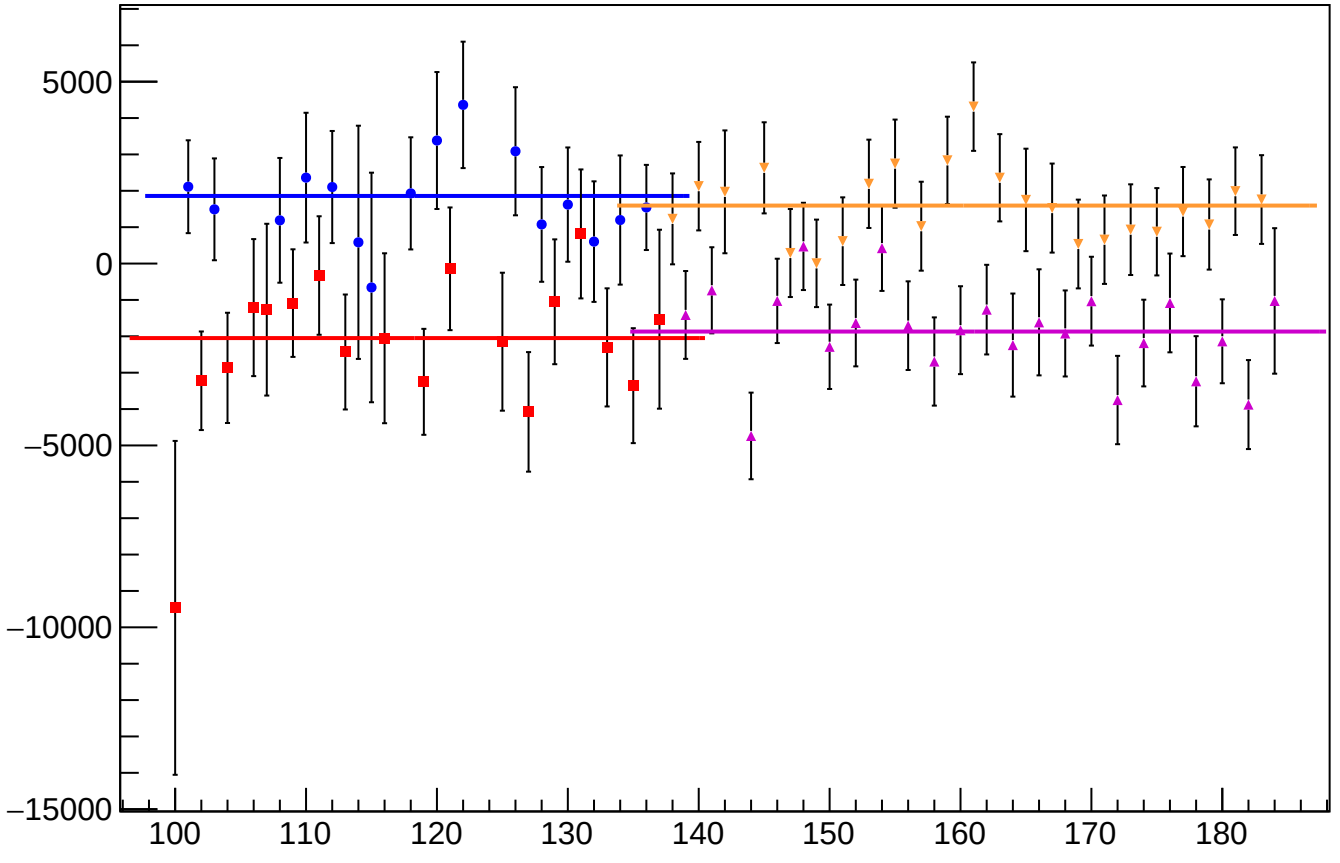
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1173.213+/-0.123 χ^2/NDF: 10094739.6/7

- sign 1170.490+/-0.173 χ^2/NDF: 5135295.0/40

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

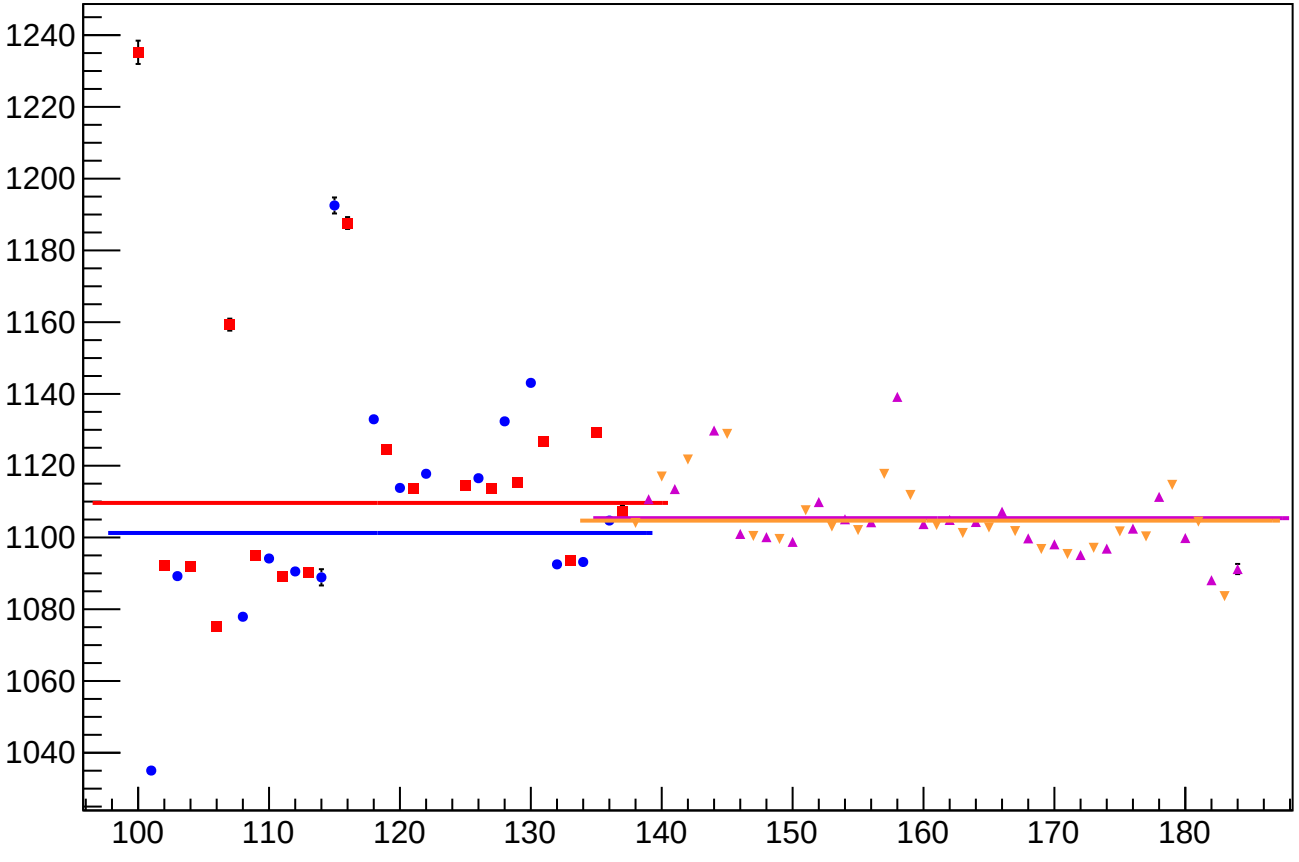
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

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

All: -126.412+/-154.368 χ^2/NDF: 192.0/79

- sign -1920.436+/-218.256 χ^2/NDF: 36.3/40

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

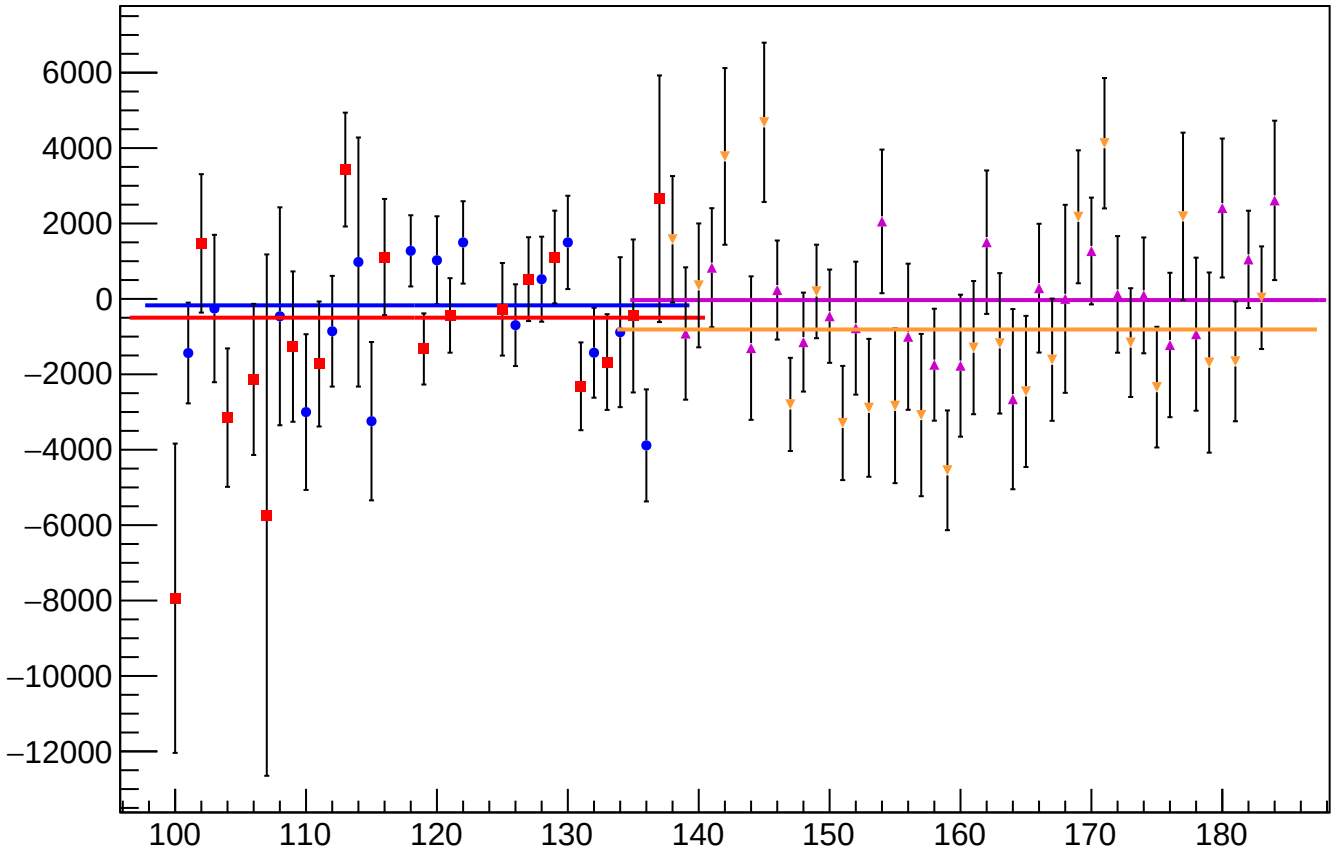
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

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

All: 1105.154+/-0.109 χ^2/NDF: 25680.2/79

- sign 1106.591+/-0.154 χ^2/NDF: 11488.5/40



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

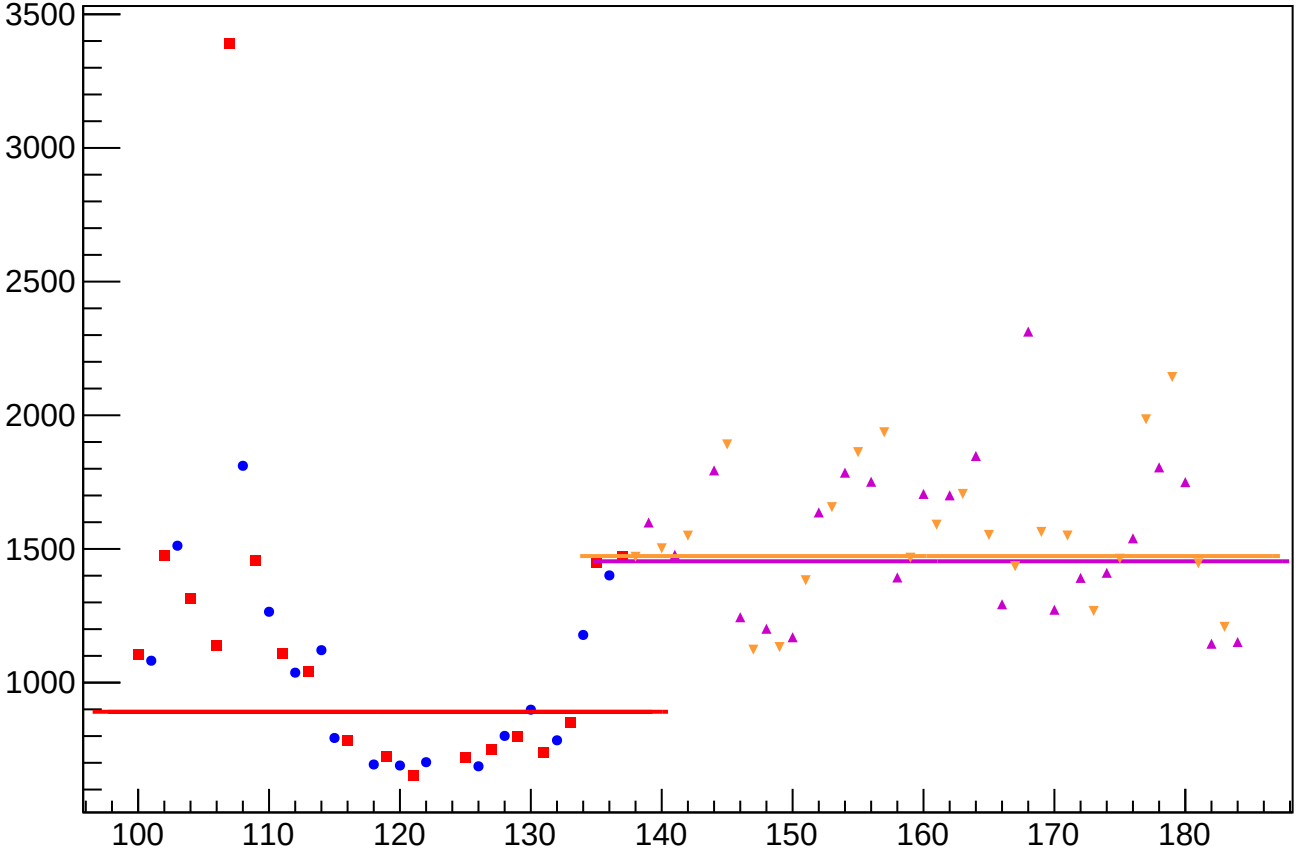
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

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

All: -374.672+/-173.616 χ^2/NDF: 104.5/79

- sign -265.070+/-244.560 χ^2/NDF: 37.9/40

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

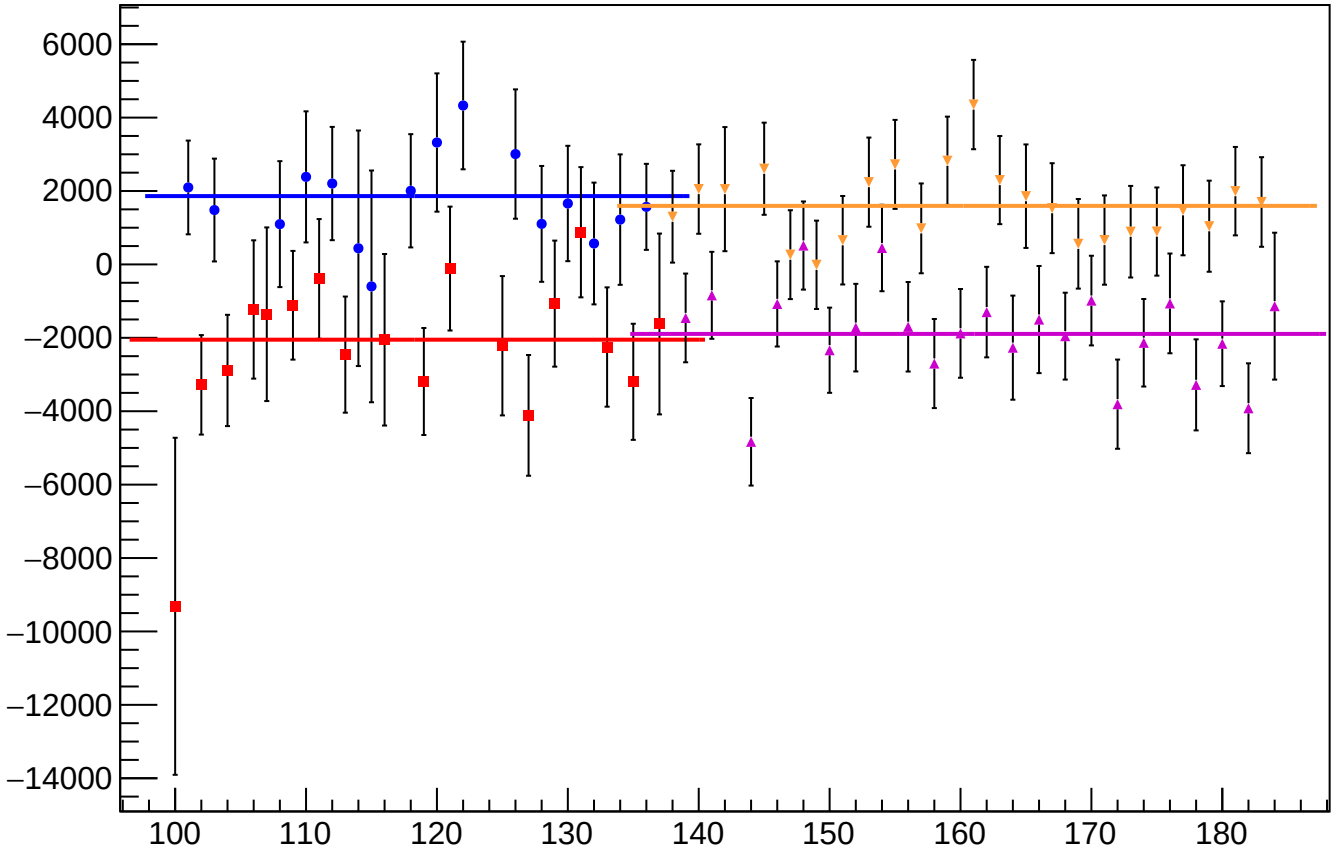
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

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

All: 1174.669+/-0.123 χ^2/NDF: 10060197.3/7

- sign 1171.906+/-0.173 χ^2/NDF: 5118631.9/40

eigen_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

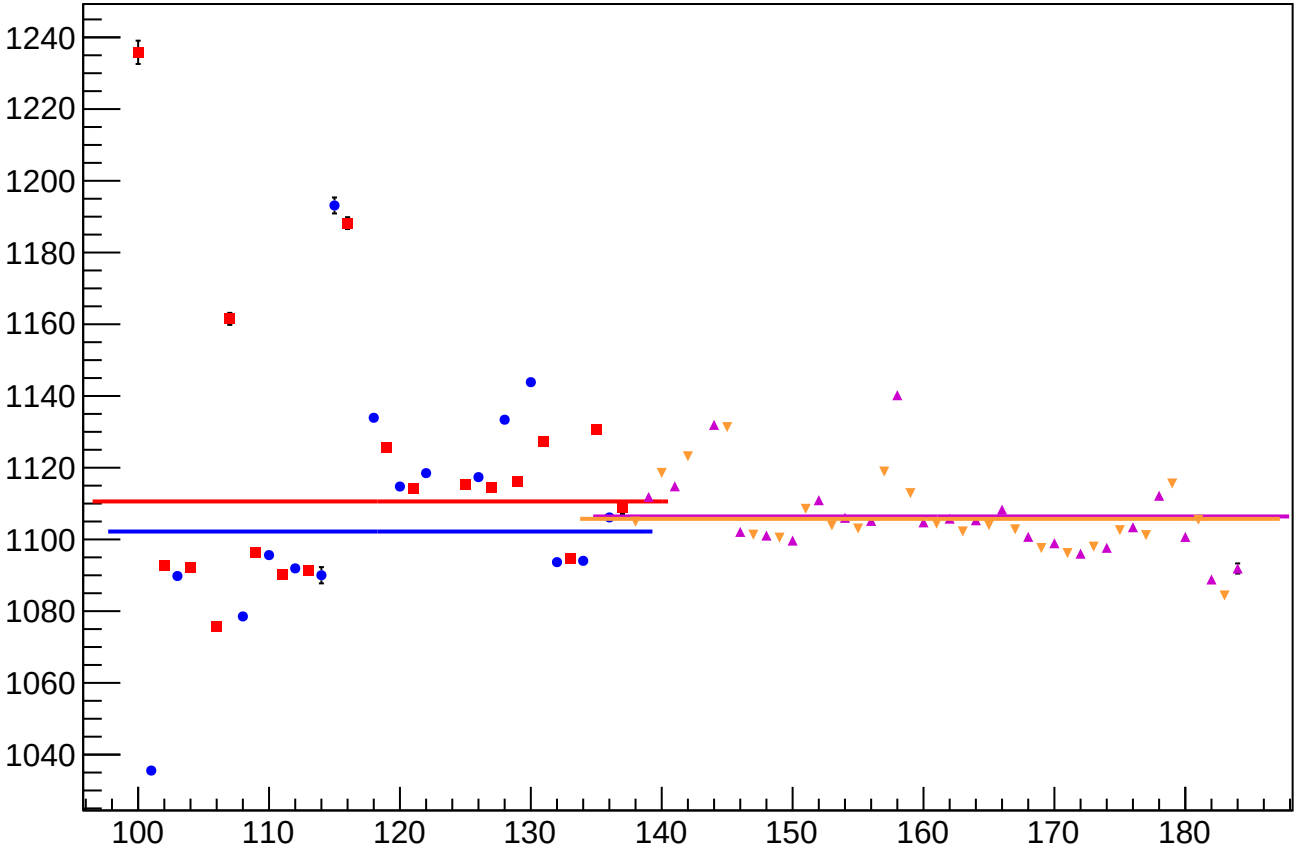
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -134.476+/-154.510 χ^2/NDF: 193.6/79

- sign -1938.223+/-218.455 χ^2/NDF: 36.7/40

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

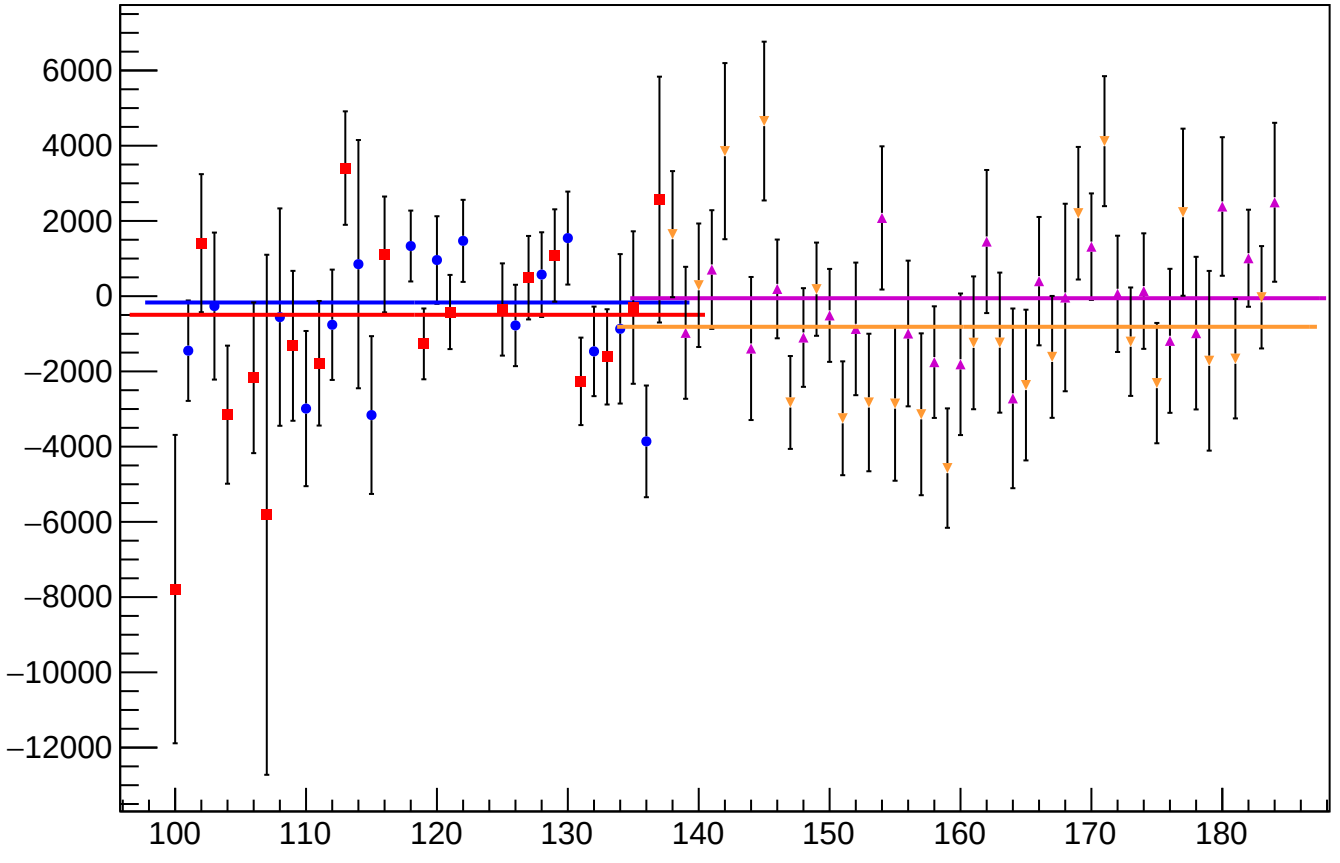
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

All: 1106.166+/-0.109 χ^2/NDF: 26011.1/79

- sign 1107.598+/-0.154 χ^2/NDF: 11622.1/40

asym_usl_eigen_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

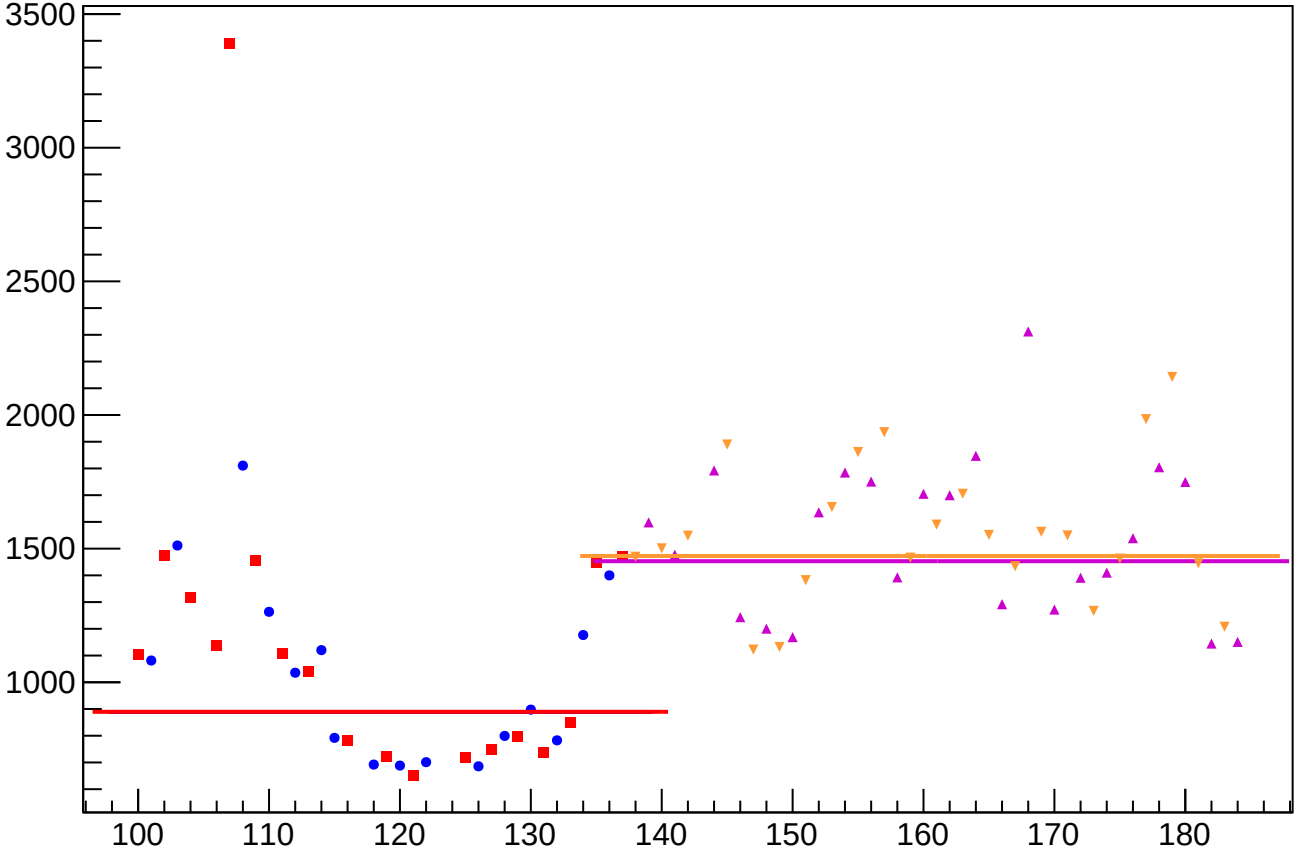
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -379.670+/-173.435 χ^2/NDF: 104.0/79

- sign -275.339+/-244.311 χ^2/NDF: 37.1/40

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

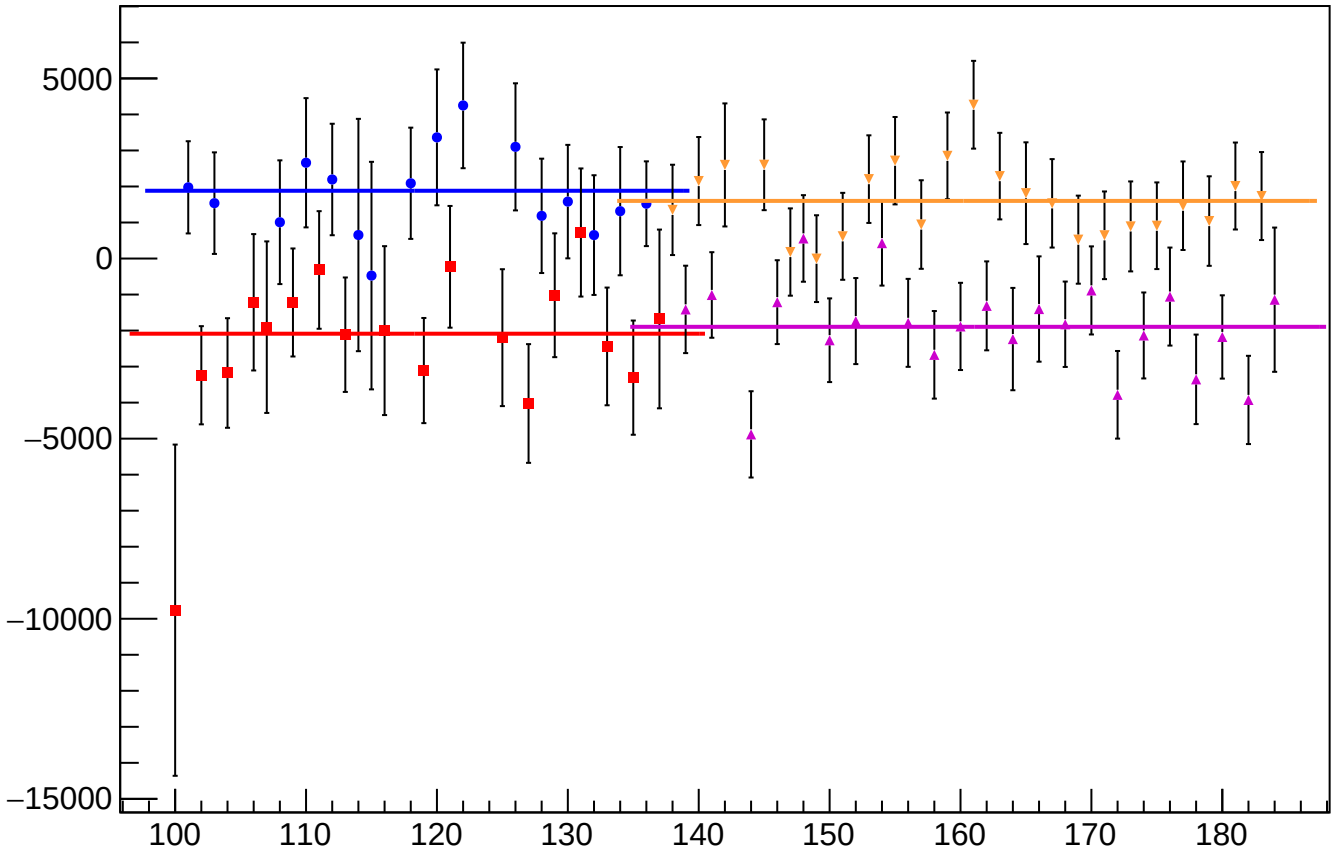
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1173.213+/-0.123 χ^2/NDF: 10094739.6/7

- sign 1170.490+/-0.173 χ^2/NDF: 5135295.0/40



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

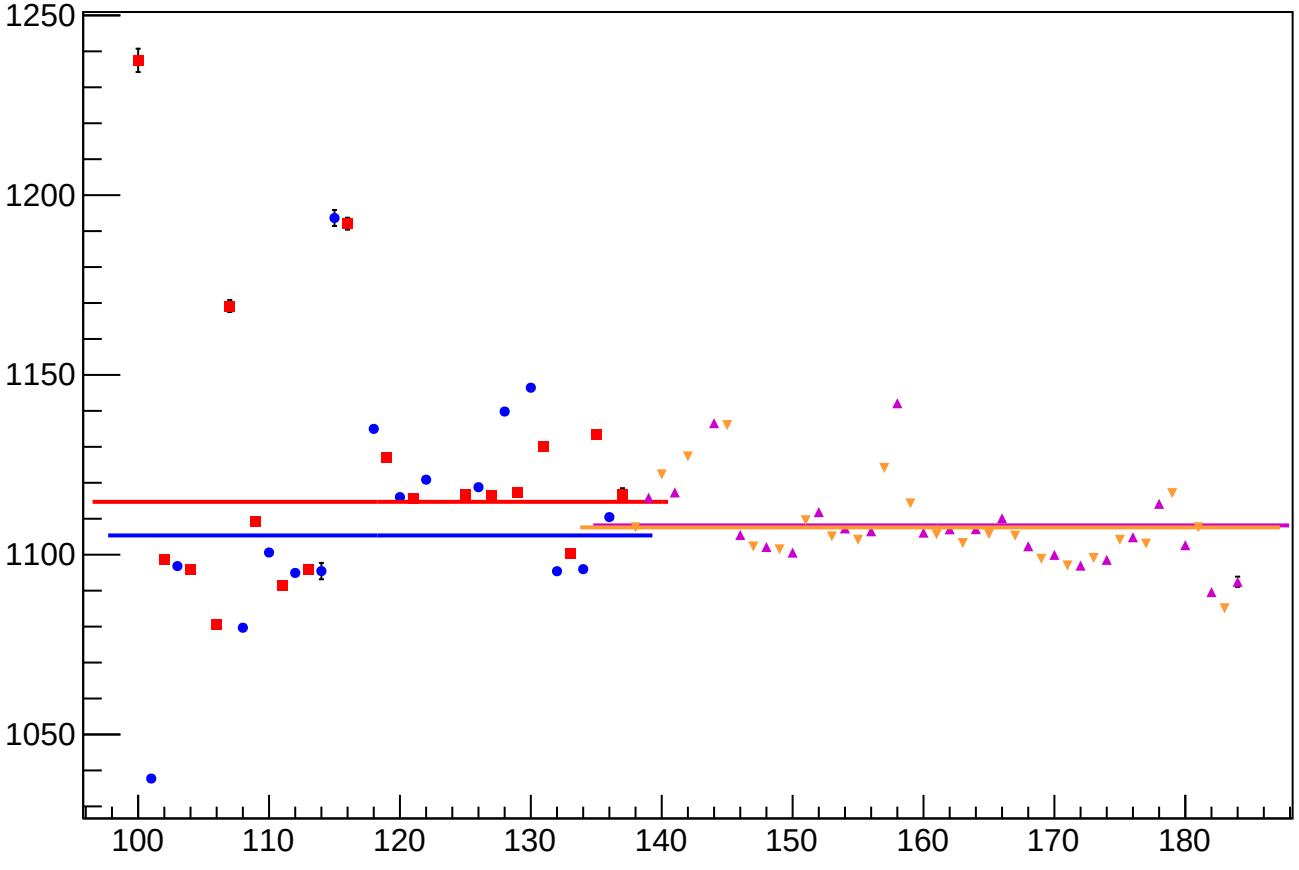
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

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

All: -135.725+/-154.845 χ^2/NDF: 194.6/79

- sign -1949.899+/-218.937 χ^2/NDF: 36.6/40

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

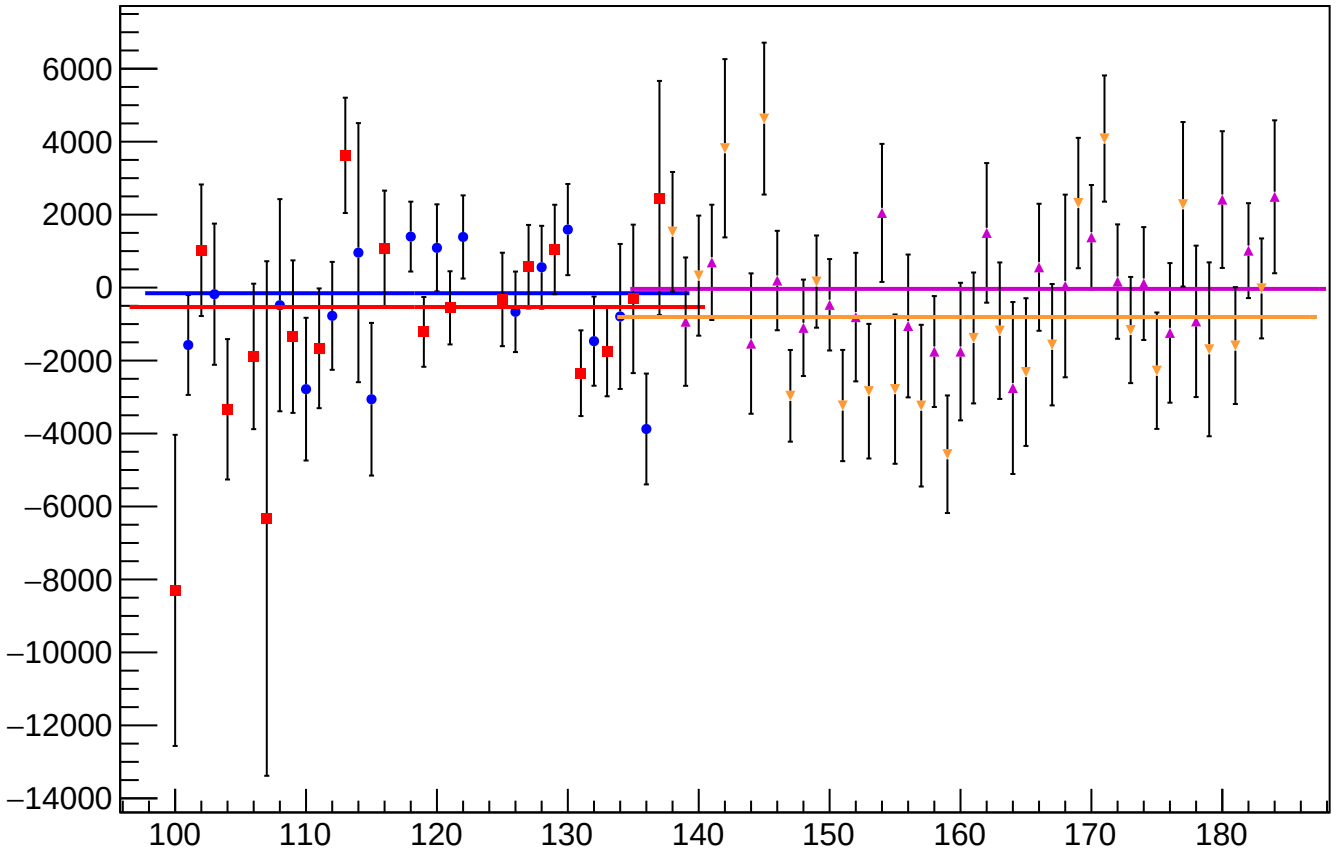
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1108.483+/-0.109 χ^2/NDF: 26801.6/79

- sign 1110.009+/-0.155 χ^2/NDF: 11886.0/40



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

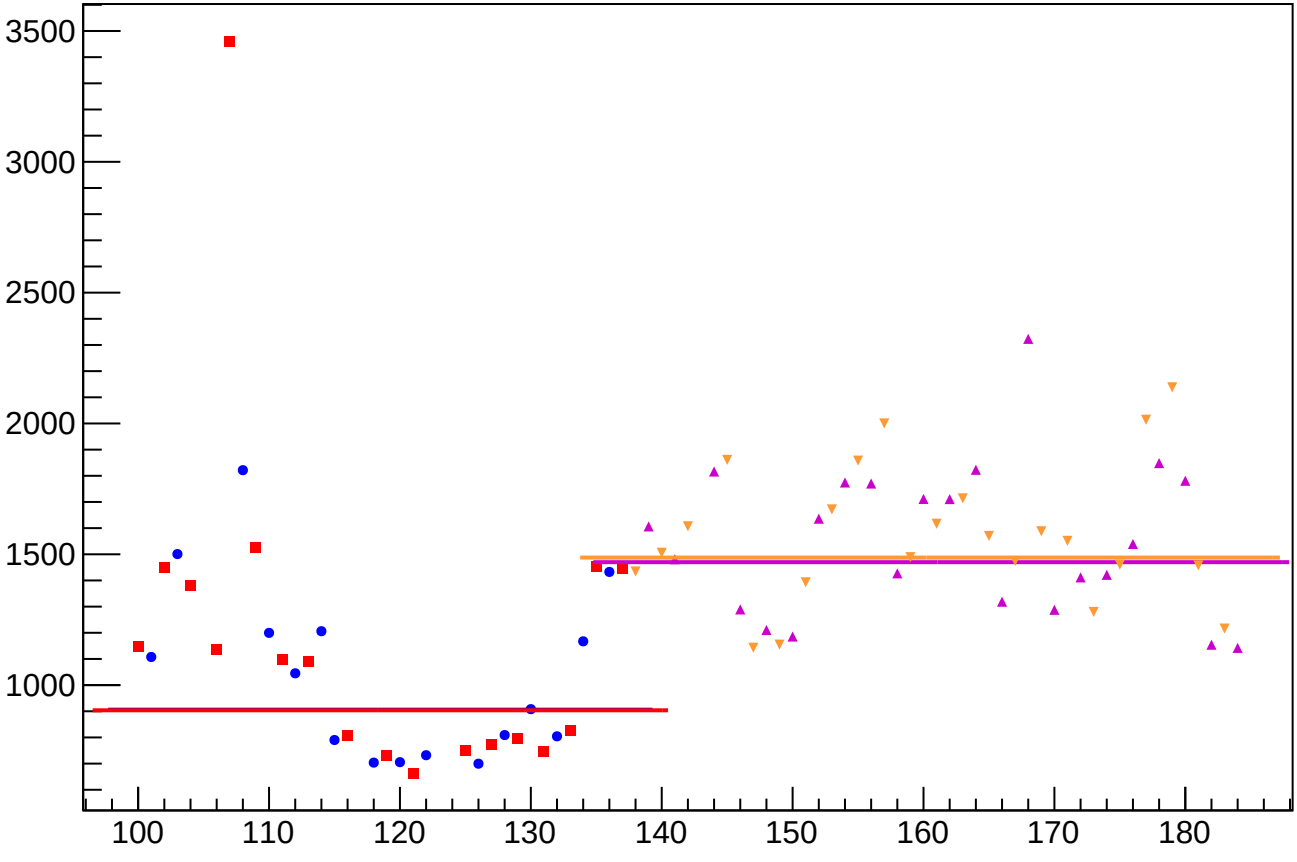
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -379.310+/-175.721 χ^2/NDF: 103.1/79

- sign -283.289+/-247.502 χ^2/NDF: 37.4/40

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

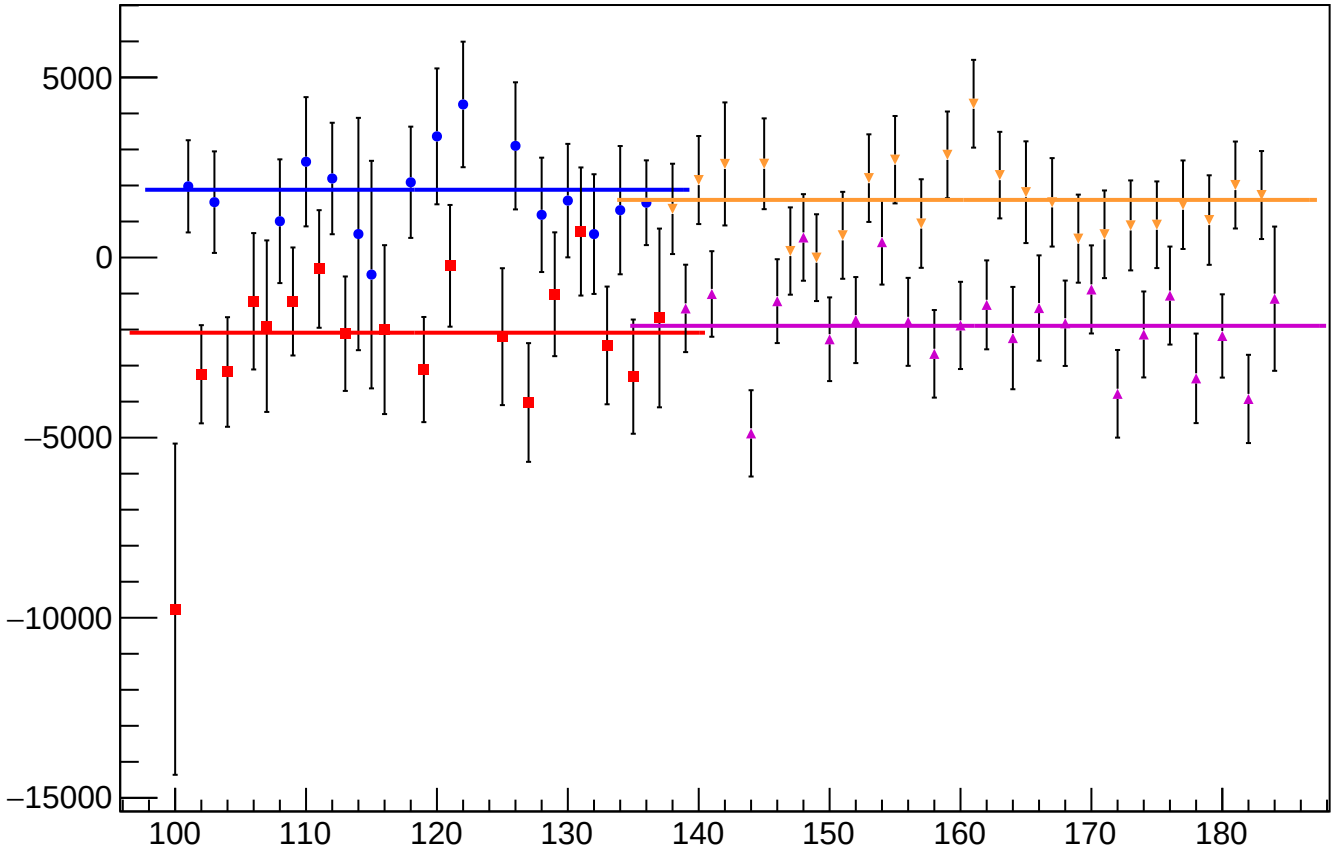
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

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

All: 1190.778+/-0.124 χ^2/NDF: 9837661.1/79

- sign 1187.454+/-0.175 χ^2/NDF: 5051286.6/40

eigen_dit_asym_usl_mean vs Slug



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

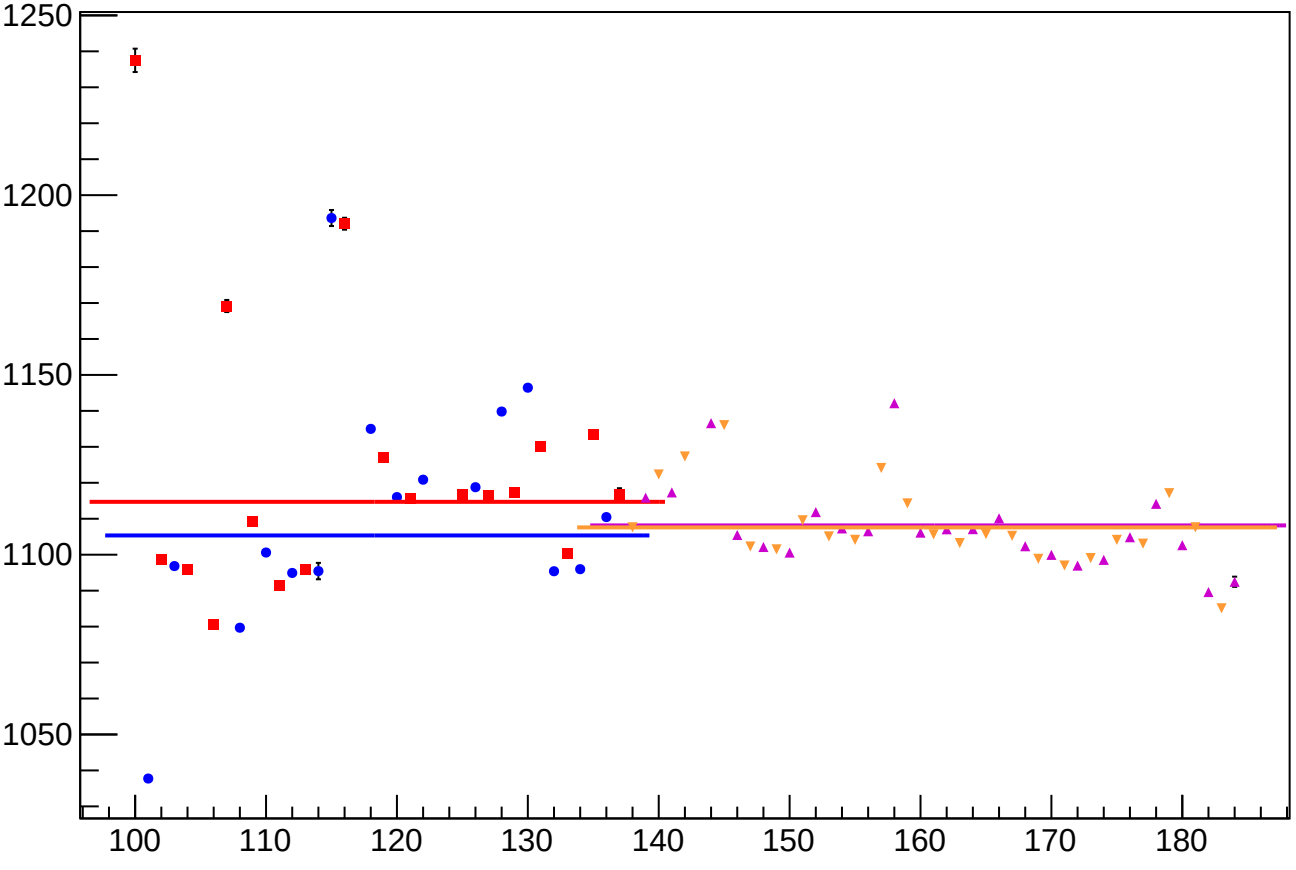
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

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

All: -135.726+/-154.845 χ^2/NDF: 194.6/79

- sign -1949.899+/-218.937 χ^2/NDF: 36.6/40

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

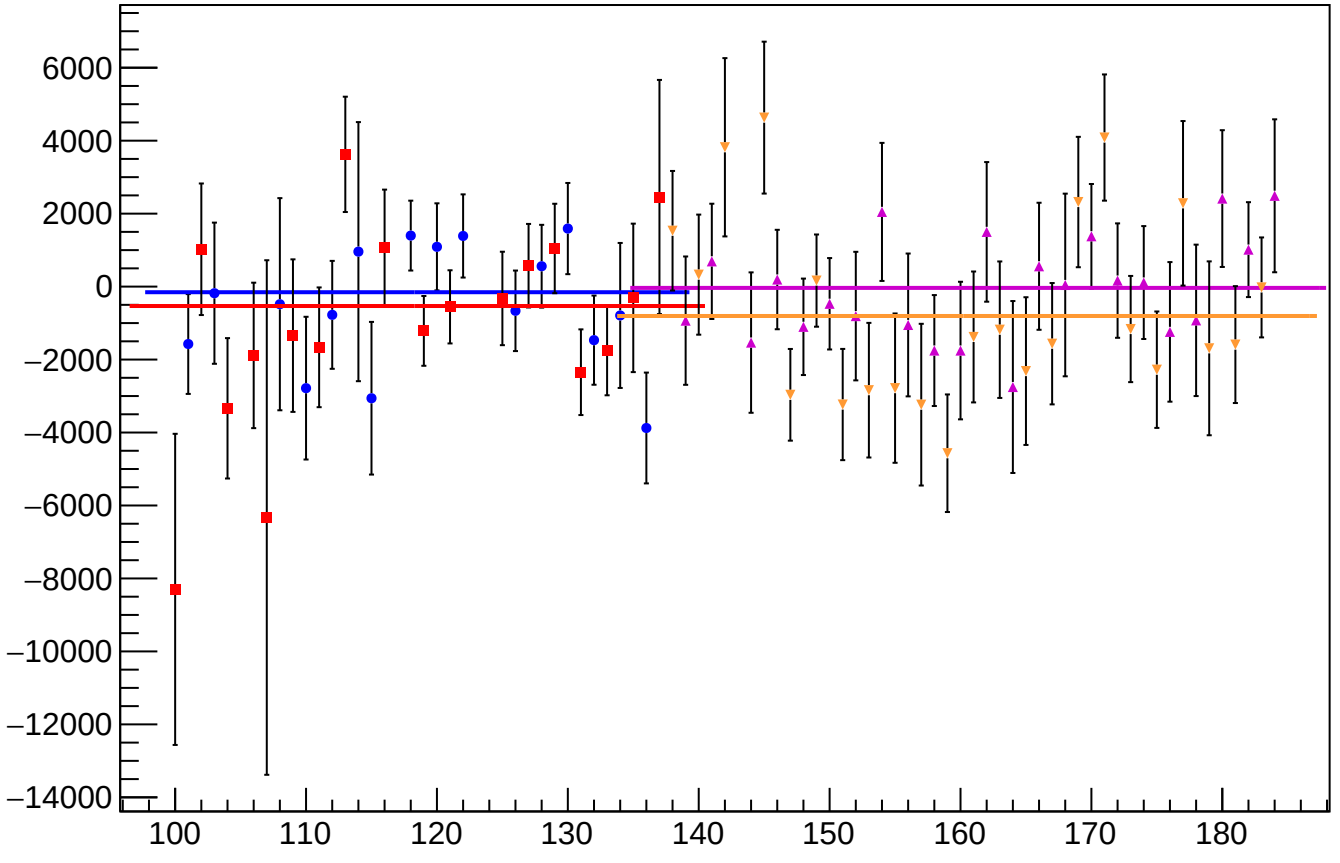
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1108.483+/-0.109 χ^2/NDF: 26801.5/79

- sign 1110.009+/-0.155 χ^2/NDF: 11885.9/40

asym_usl_eigen_dit_correction_mean vs Slug



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

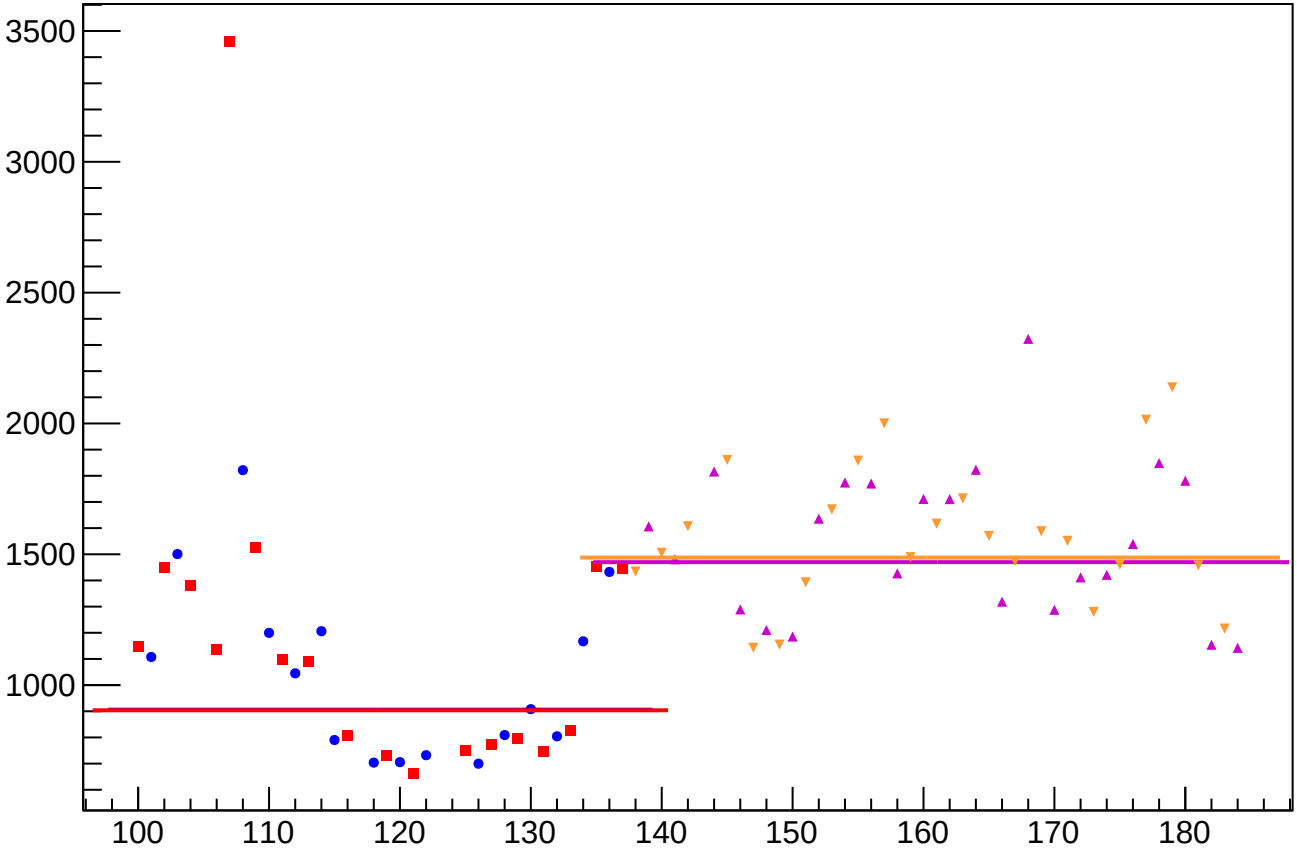
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -379.311+/-175.721 χ^2/NDF: 103.1/79

- sign -283.289+/-247.502 χ^2/NDF: 37.4/40

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

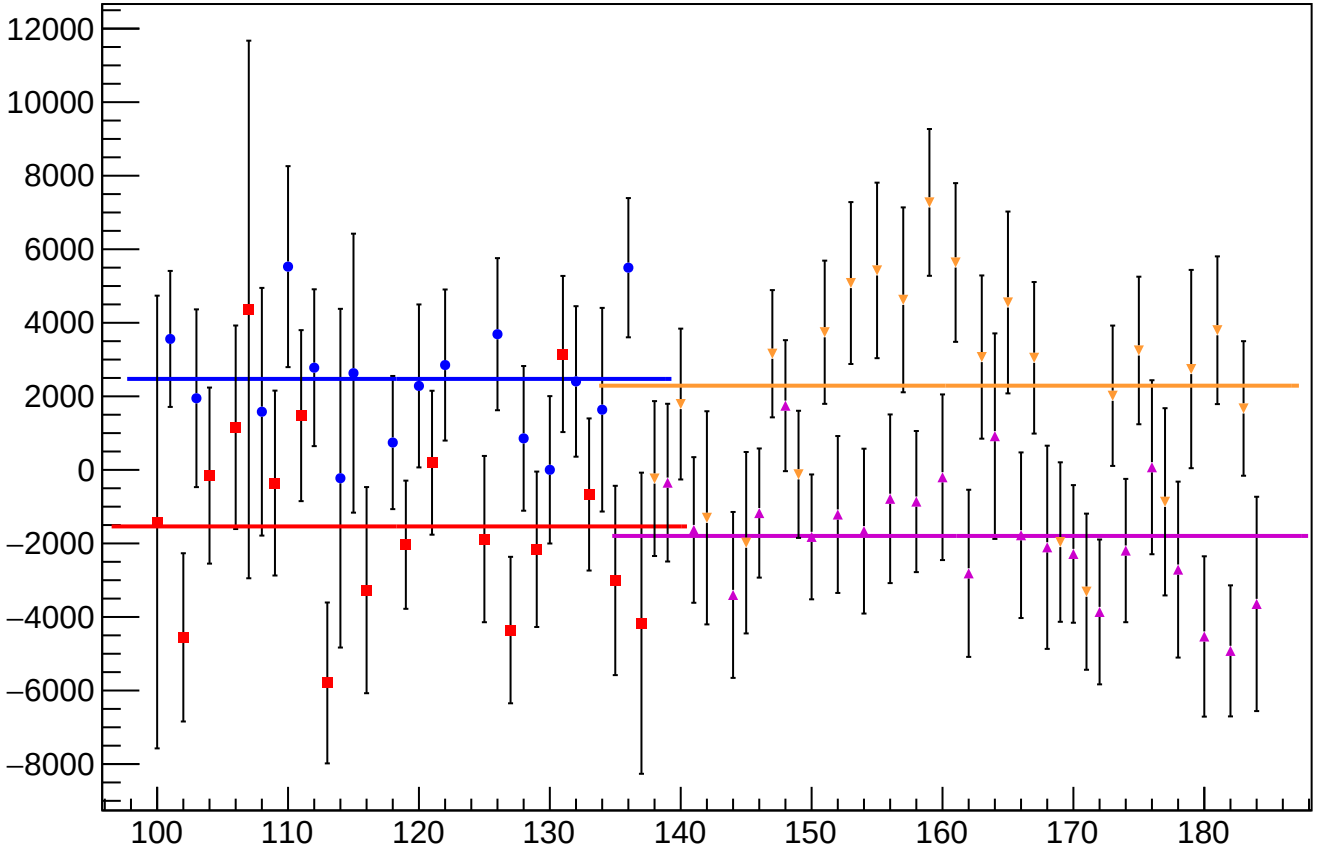
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

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

All: 1190.777+/-0.124 χ^2/NDF: 9837733.6/79

- sign 1187.453+/-0.175 χ^2/NDF: 5051322.6/40

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

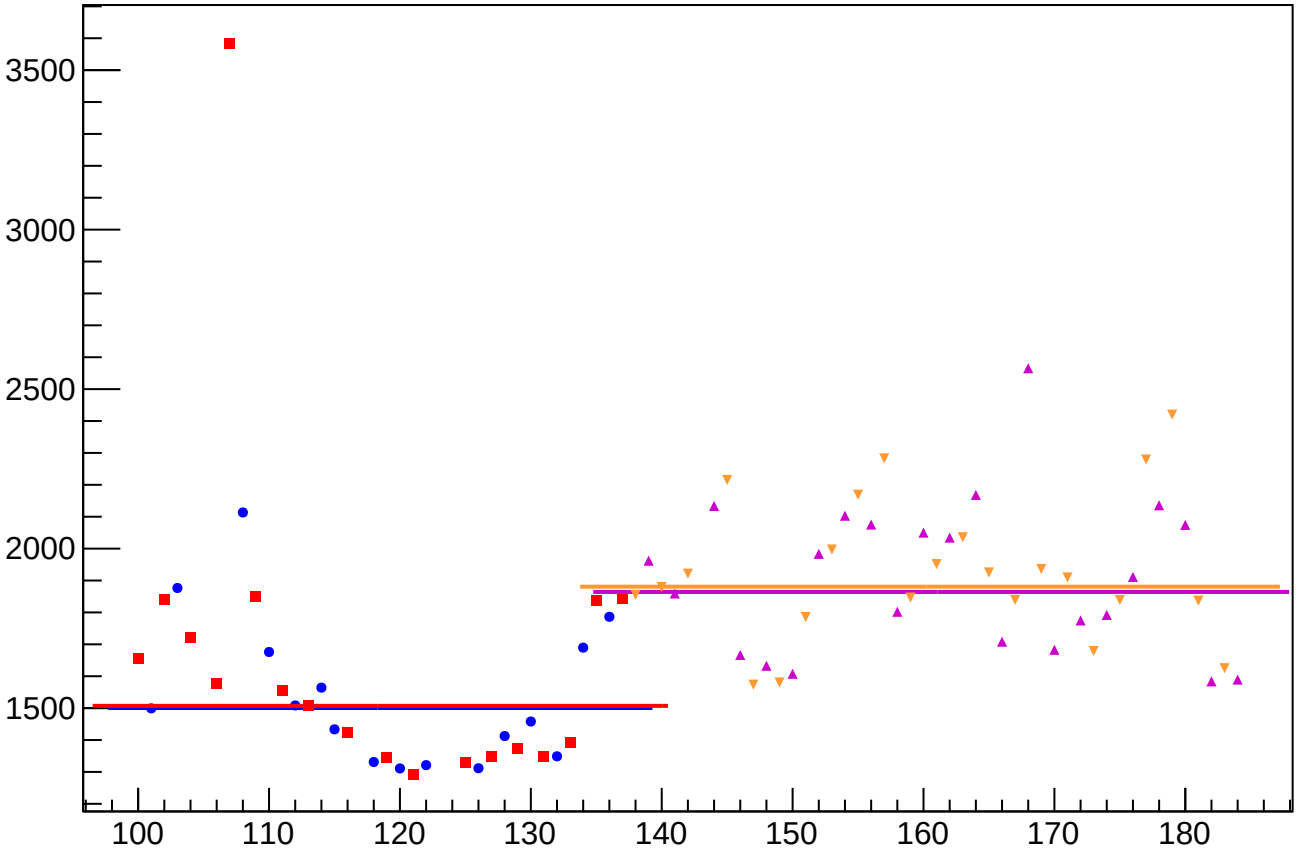
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

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

All: 319.460+/-245.635 χ^2/NDF: 145.5/79

- sign -1698.505+/-346.394 χ^2/NDF: 32.9/40

asym_usl_rms vs Slug



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

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

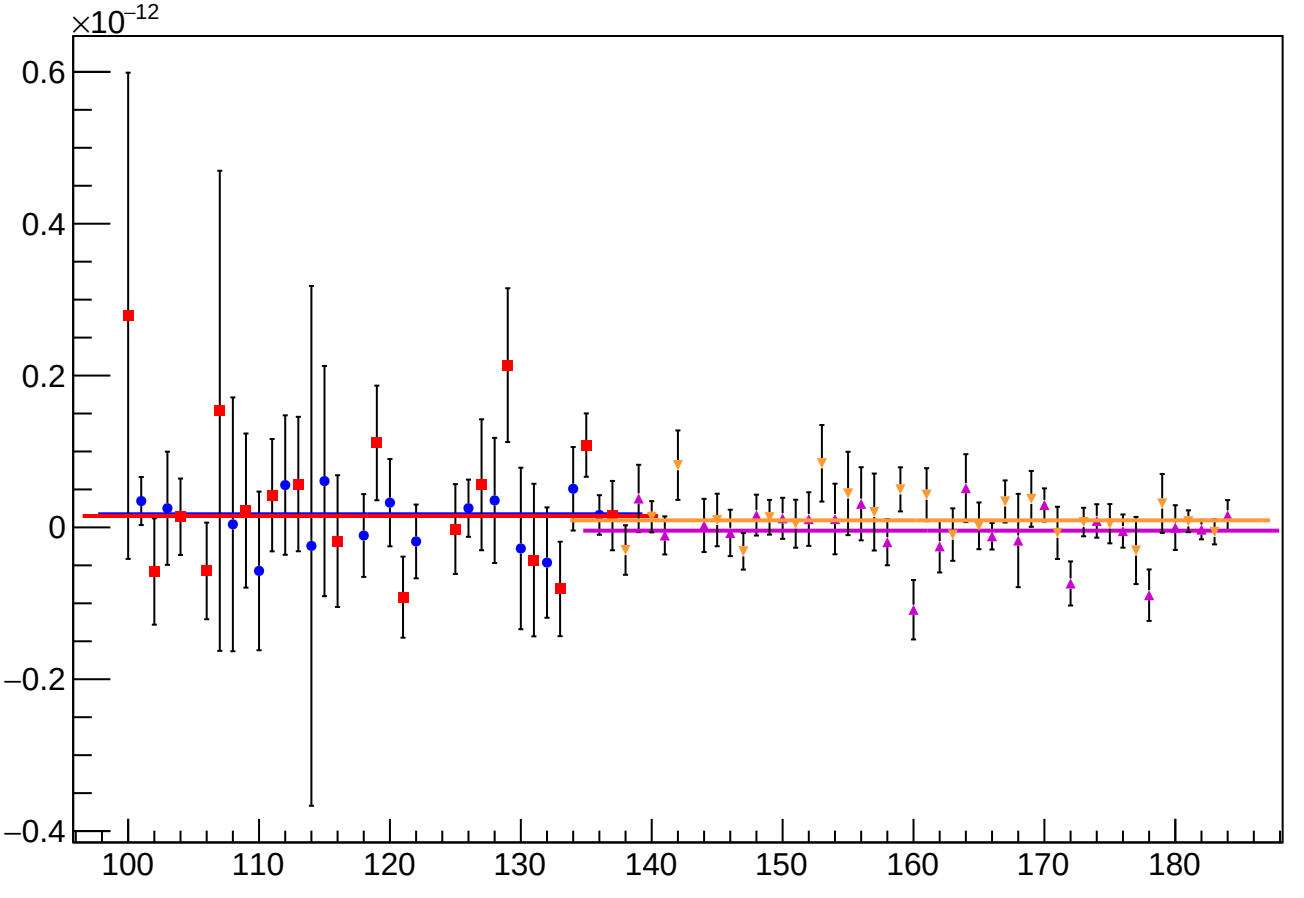
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

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

All: 1732.124+/-0.174 χ^2/NDF: 2693481.4/79

- sign 1729.262+/-0.245 χ^2/NDF: 1411375.3/40



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

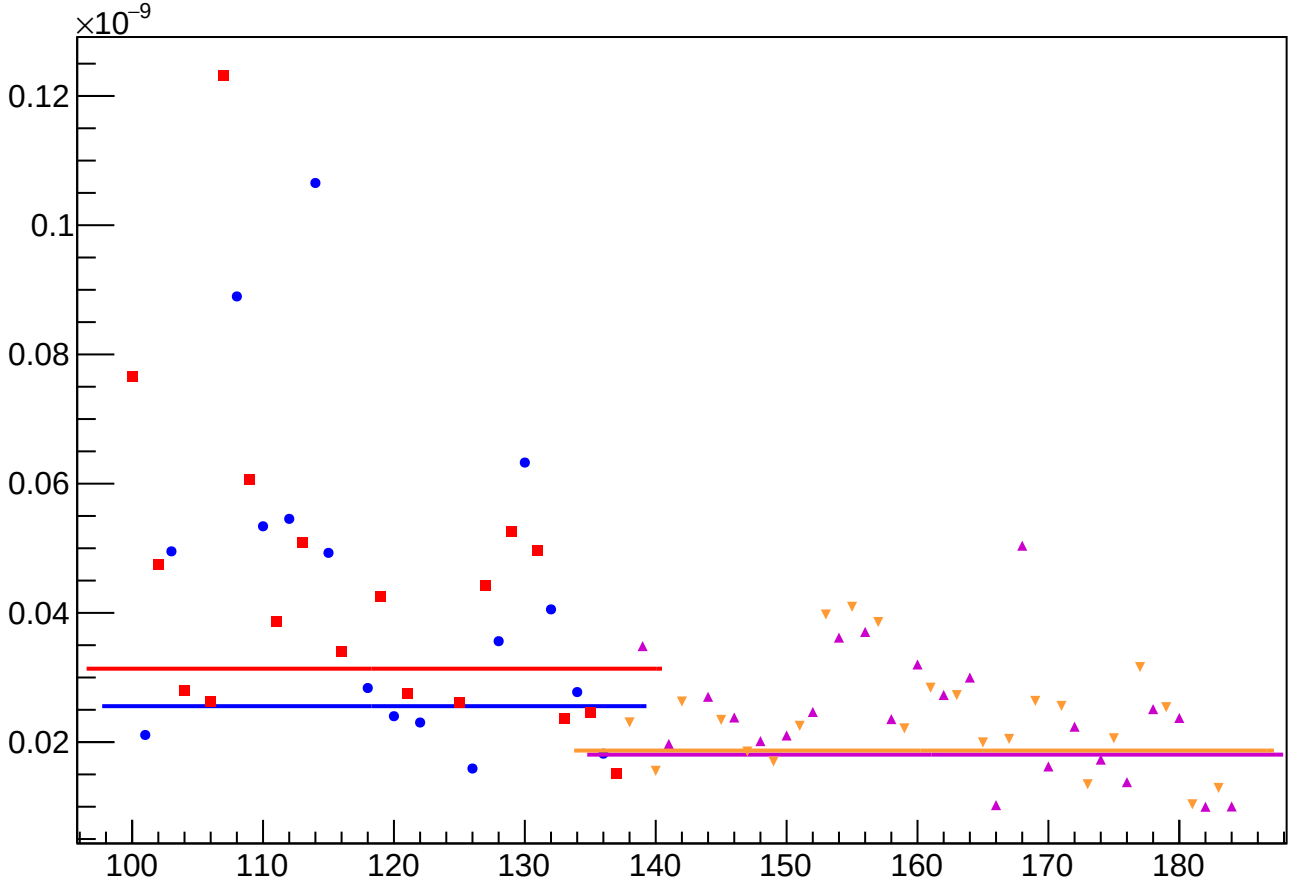
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20.2/38

All: 0.000+/-0.000 χ^2/NDF: 73.9/79

- sign -0.000+/-0.000 χ^2/NDF: 50.7/40

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2997765.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

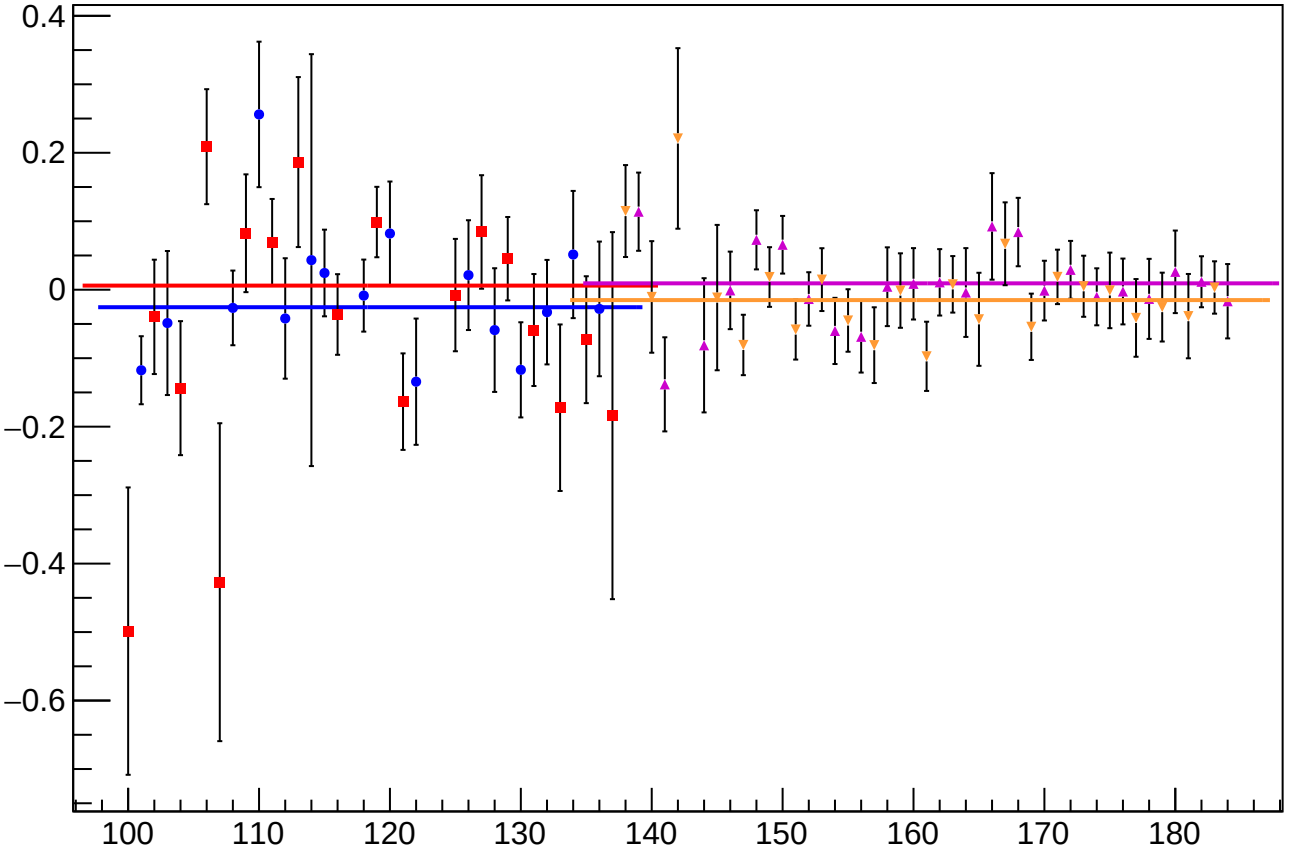
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5144771.5/38

All: 0.000+/-0.000 χ^2/NDF: 11778481.3/79

- sign 0.000+/-0.000 χ^2/NDF: 6631154.8/40

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

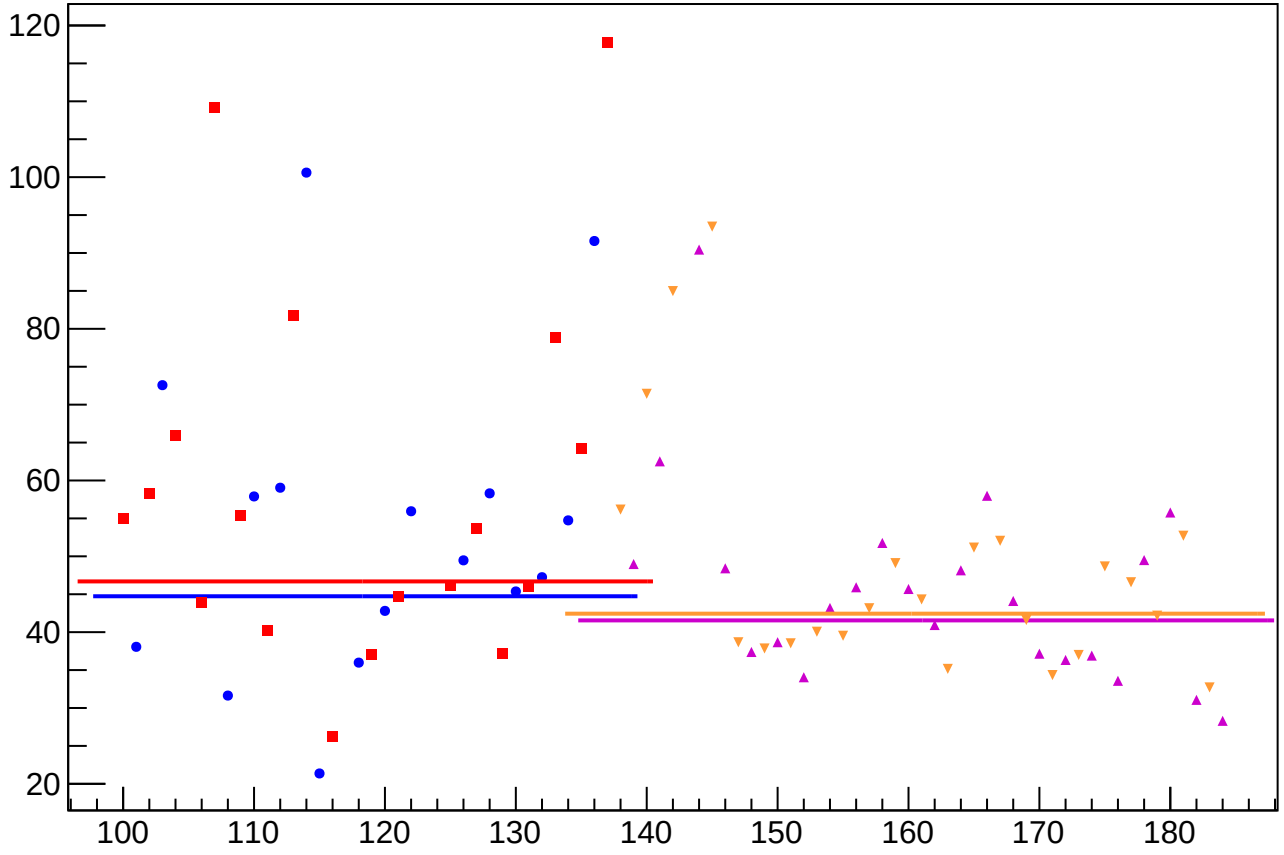
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.007 χ^2/NDF: 100.7/79

- sign 0.009+/-0.009 χ^2/NDF: 58.5/40

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

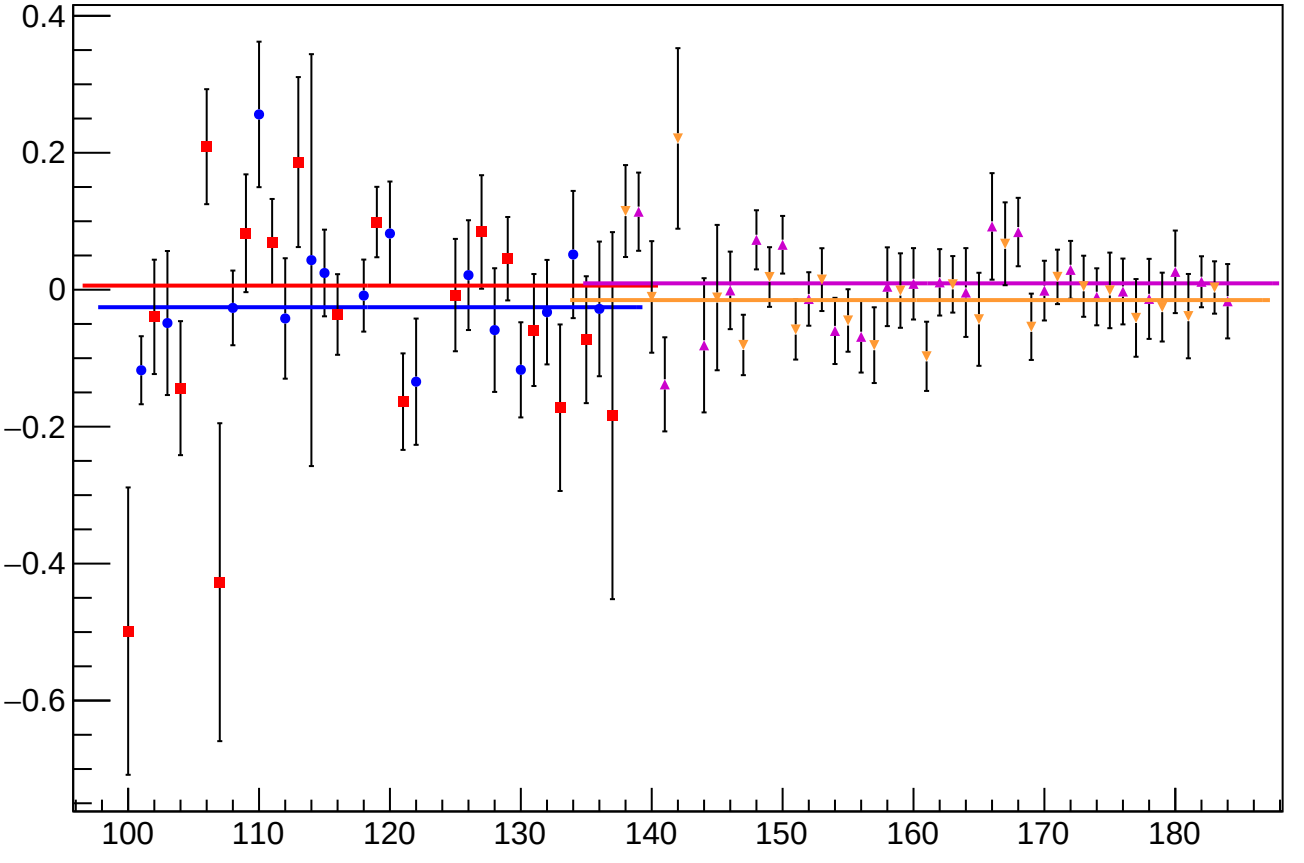
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 42.855+/-0.005 χ^2/NDF: 5862303.0/79

- sign 42.712+/-0.007 χ^2/NDF: 2917204.4/40

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

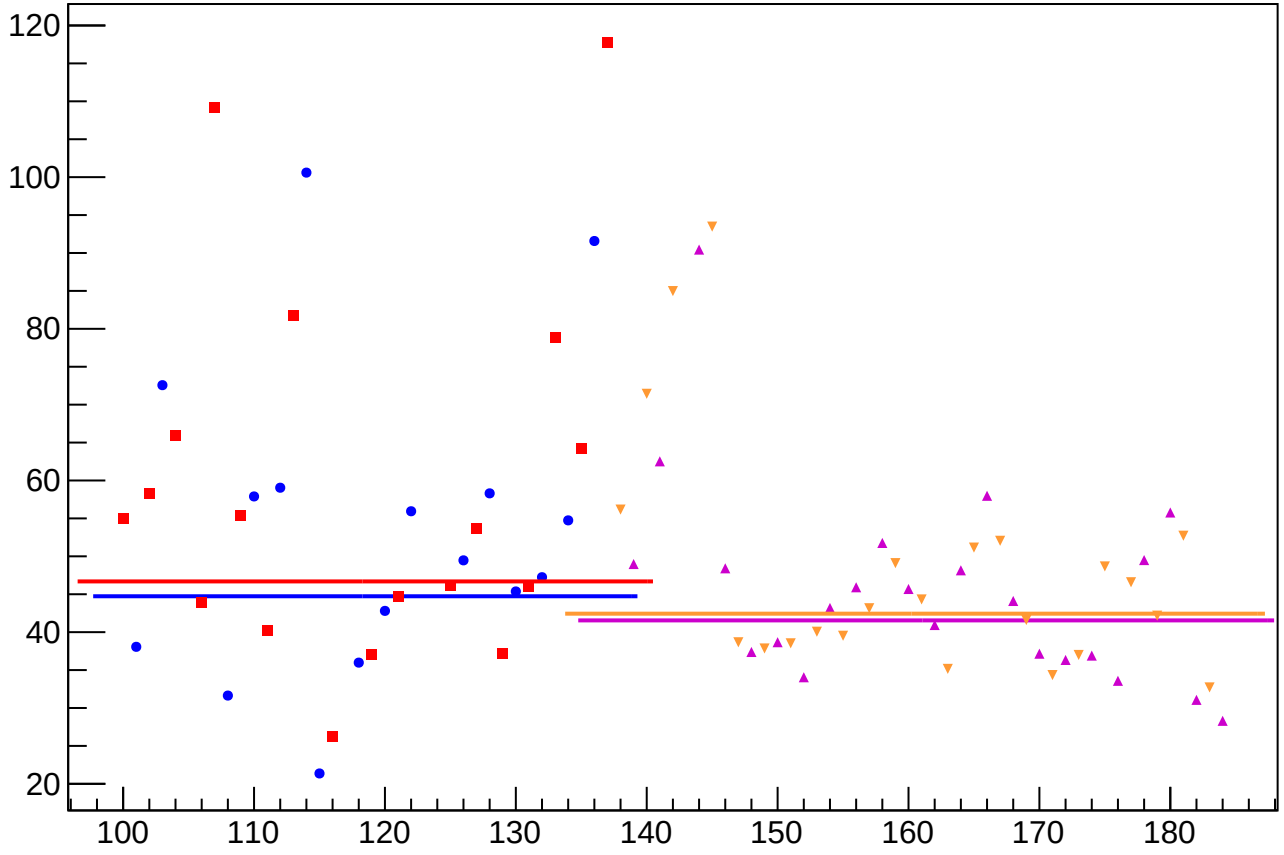
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.007 χ^2/NDF: 100.7/79

- sign 0.009+/-0.009 χ^2/NDF: 58.5/40

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

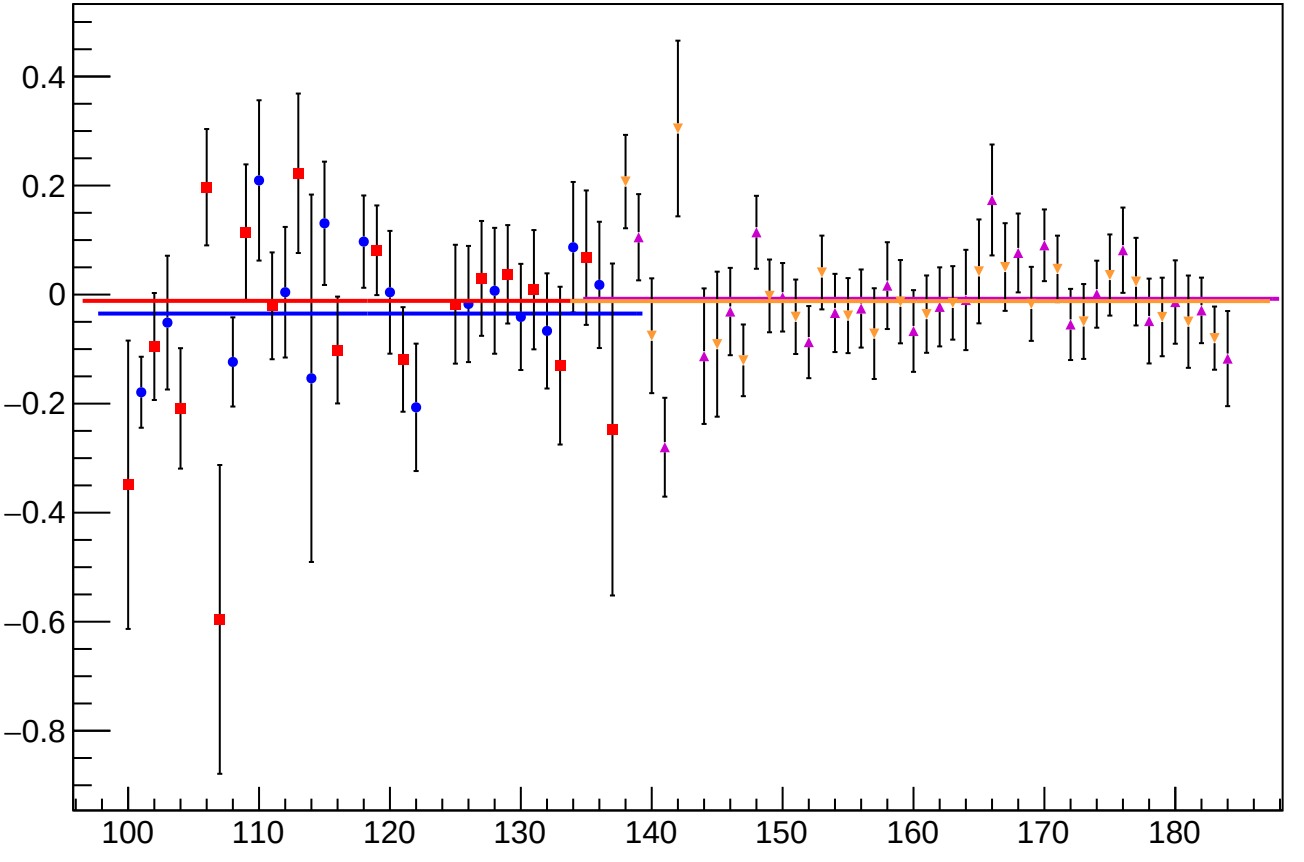
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 42.855+/-0.005 χ^2/NDF: 5862303.0/79

- sign 42.712+/-0.007 χ^2/NDF: 2917204.4/40

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

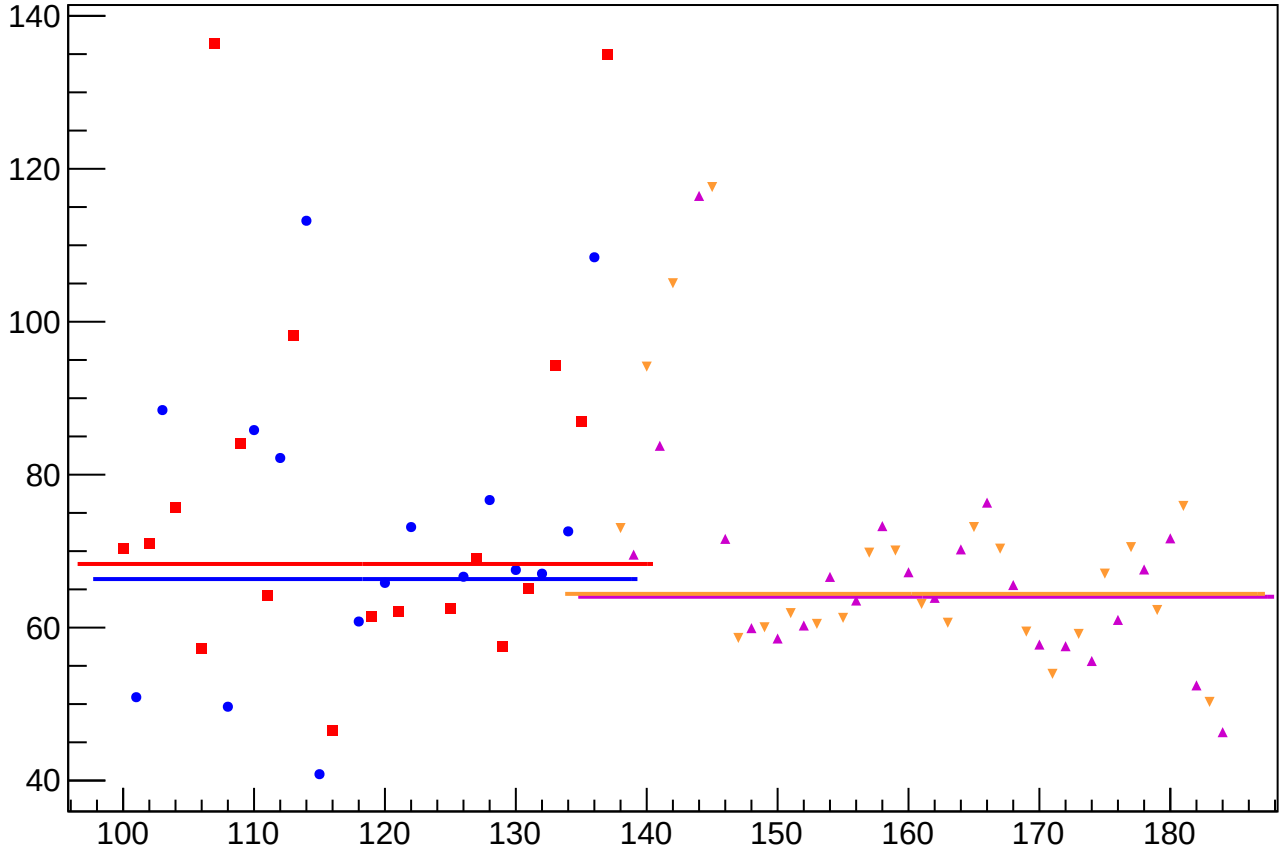
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

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

All: -0.013+/-0.009 χ^2/NDF: 89.1/79

- sign -0.009+/-0.013 χ^2/NDF: 50.9/40

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

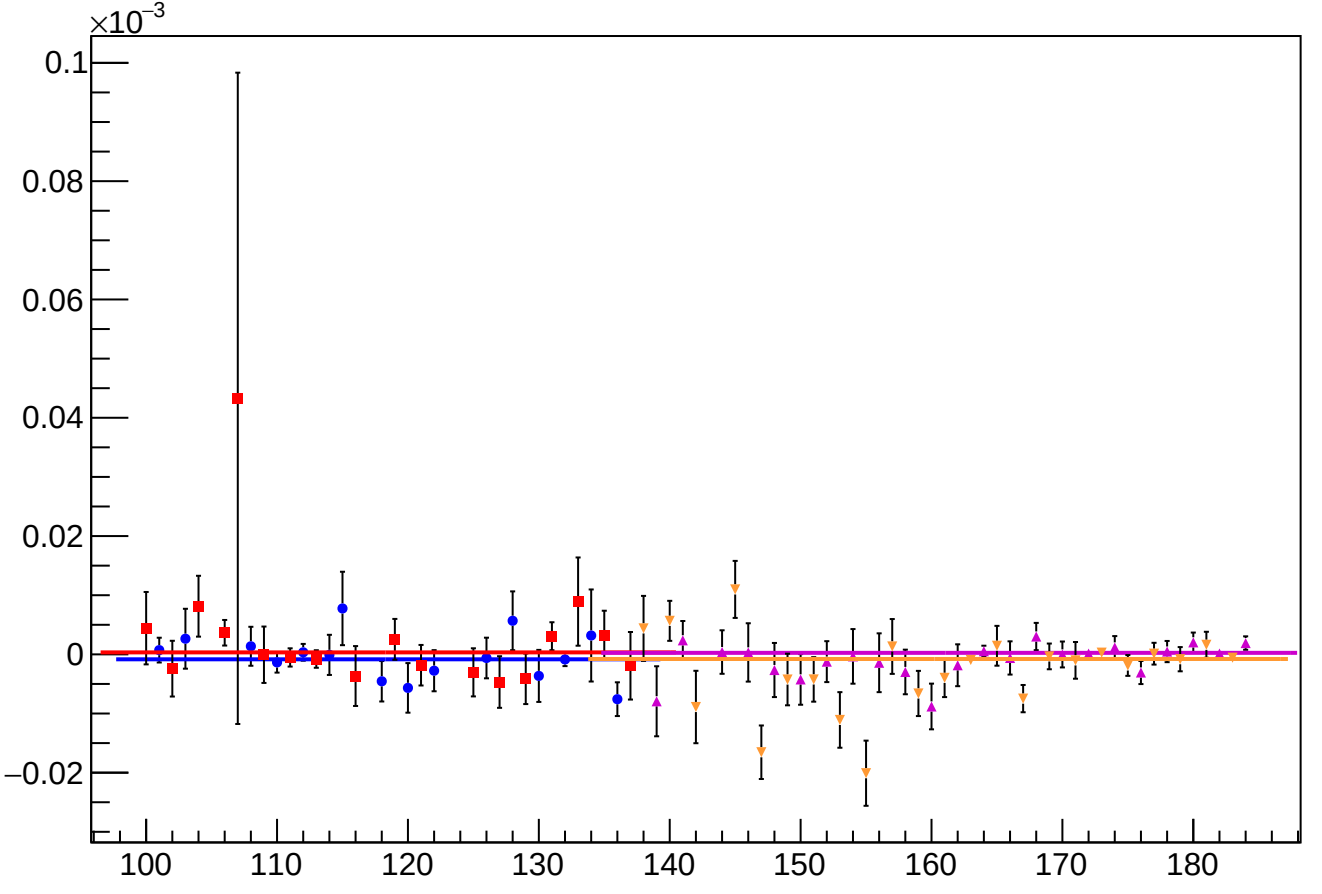
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.919+/-0.010 χ^2/NDF: 1751544.9/38

All: 65.011+/-0.007 χ^2/NDF: 3258318.5/79

- sign 65.103+/-0.009 χ^2/NDF: 1506585.9/40

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

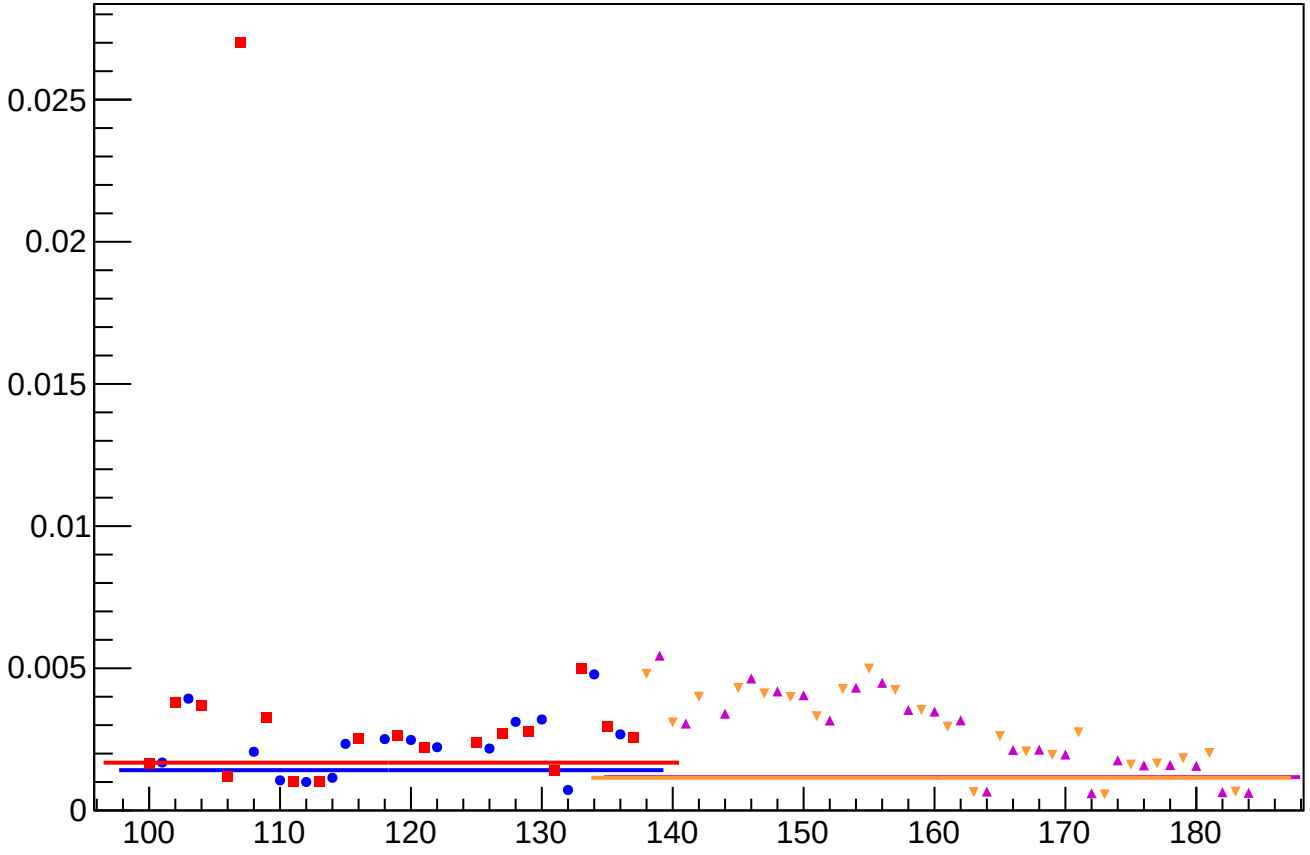
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.9/38

All: -0.000+/-0.000 χ^2/NDF: 114.2/79

- sign 0.000+/-0.000 χ^2/NDF: 33.6/40

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

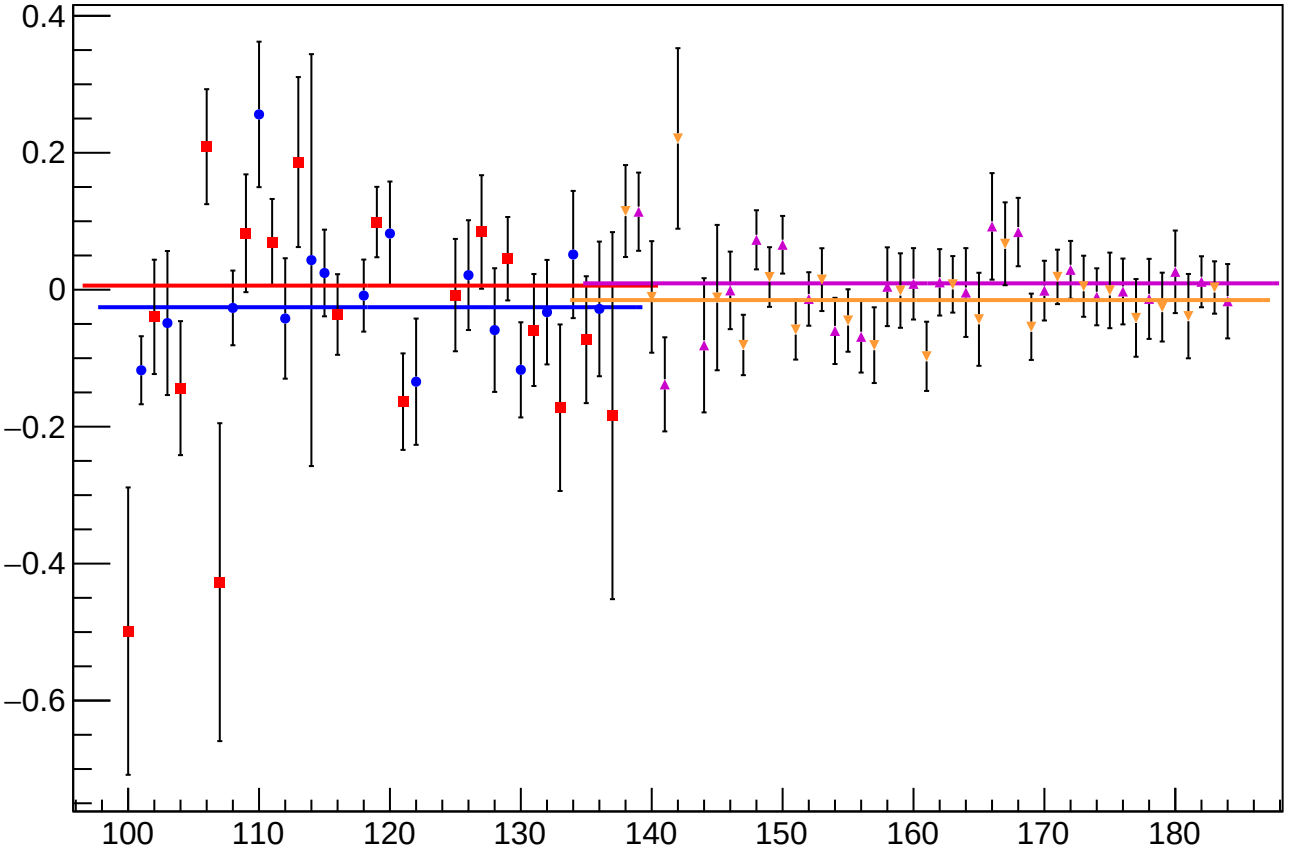
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 18669255.9/38

All: 0.001+/-0.000 χ^2/NDF: 37173476.1/79

- sign 0.001+/-0.000 χ^2/NDF: 18471354.4/40

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

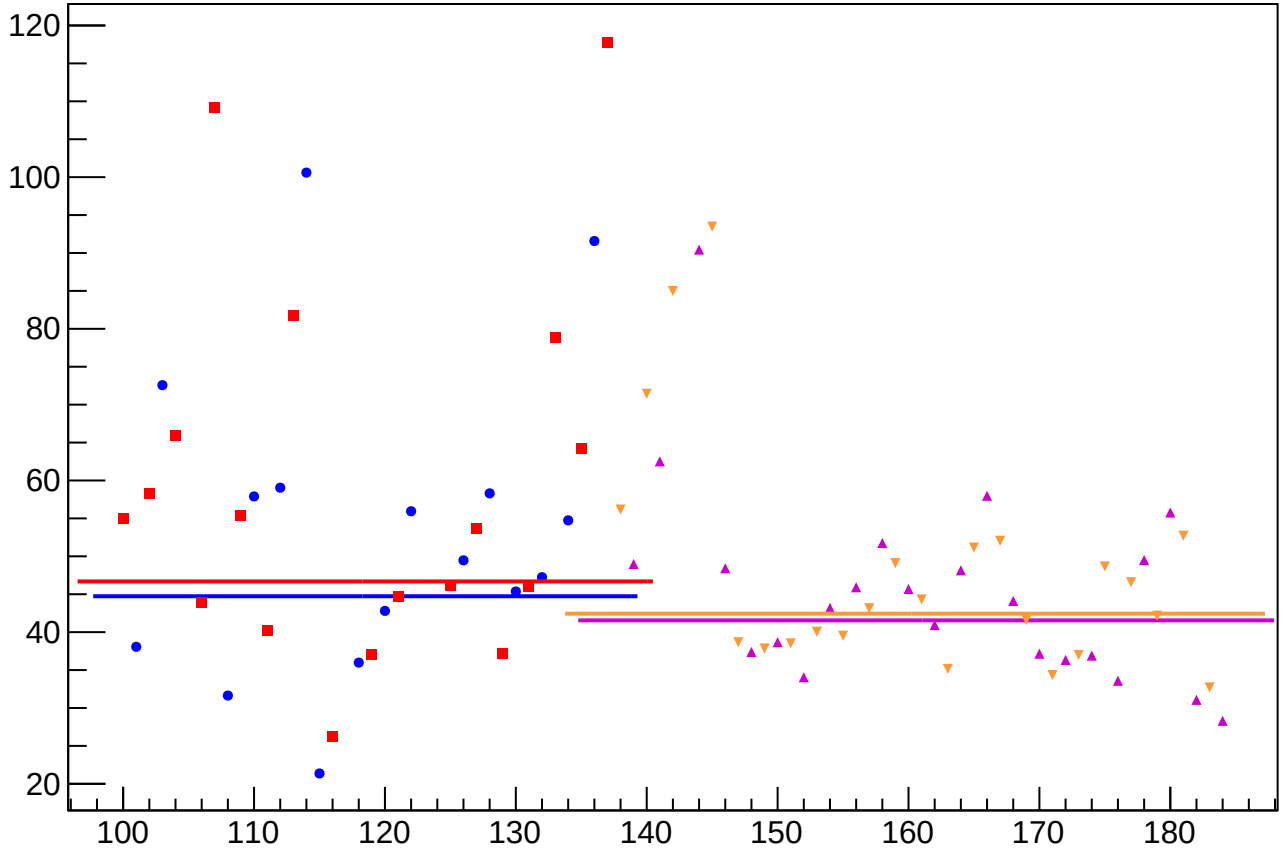
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.007 χ^2/NDF: 100.7/79

- sign 0.009+/-0.009 χ^2/NDF: 58.5/40

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

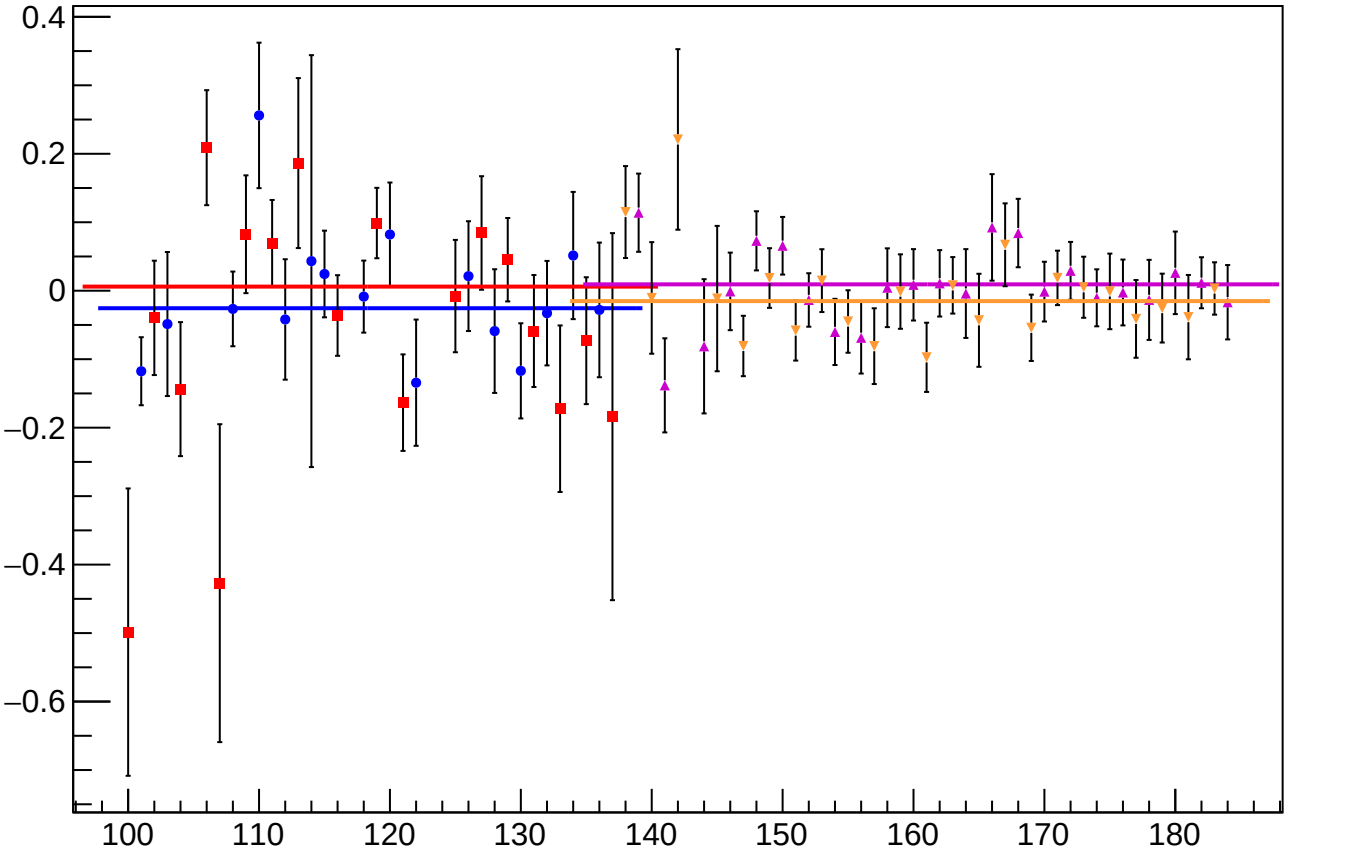
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

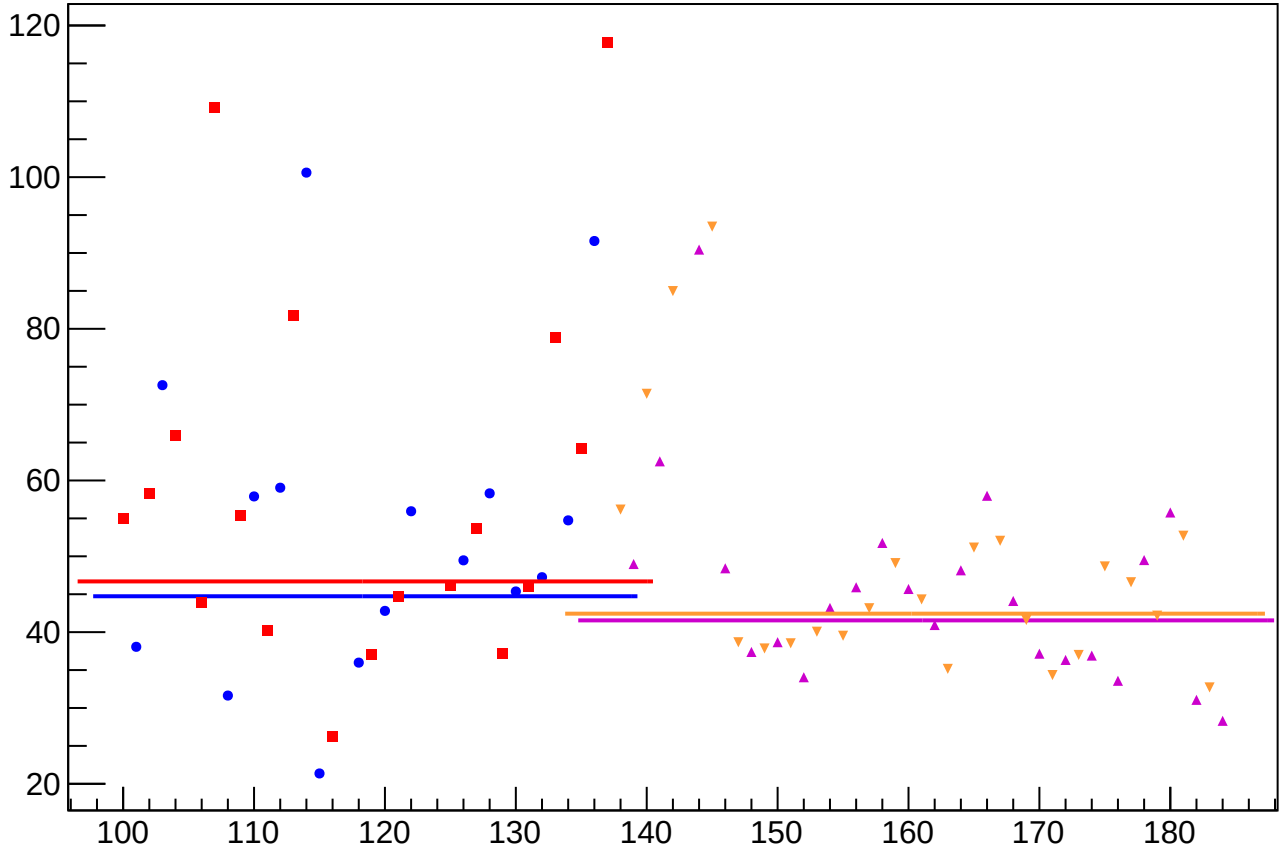
+ sign 43.001+/-0.007 χ^2/NDF: 2944130.9/38

All: 42.855+/-0.005 χ^2/NDF: 5862261.9/79

- sign 42.712+/-0.007 χ^2/NDF: 2917156.0/40


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.015+/-0.011 χ²/NDF:20.3/22
Right Out: 0.006+/-0.019 χ²/NDF: 36.5/17
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.018+/-0.009 χ²/NDF: 38.2/38
All: -0.004+/-0.007 χ²/NDF: 100.7/79
- sign 0.009+/-0.009 χ²/NDF: 58.5/40

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

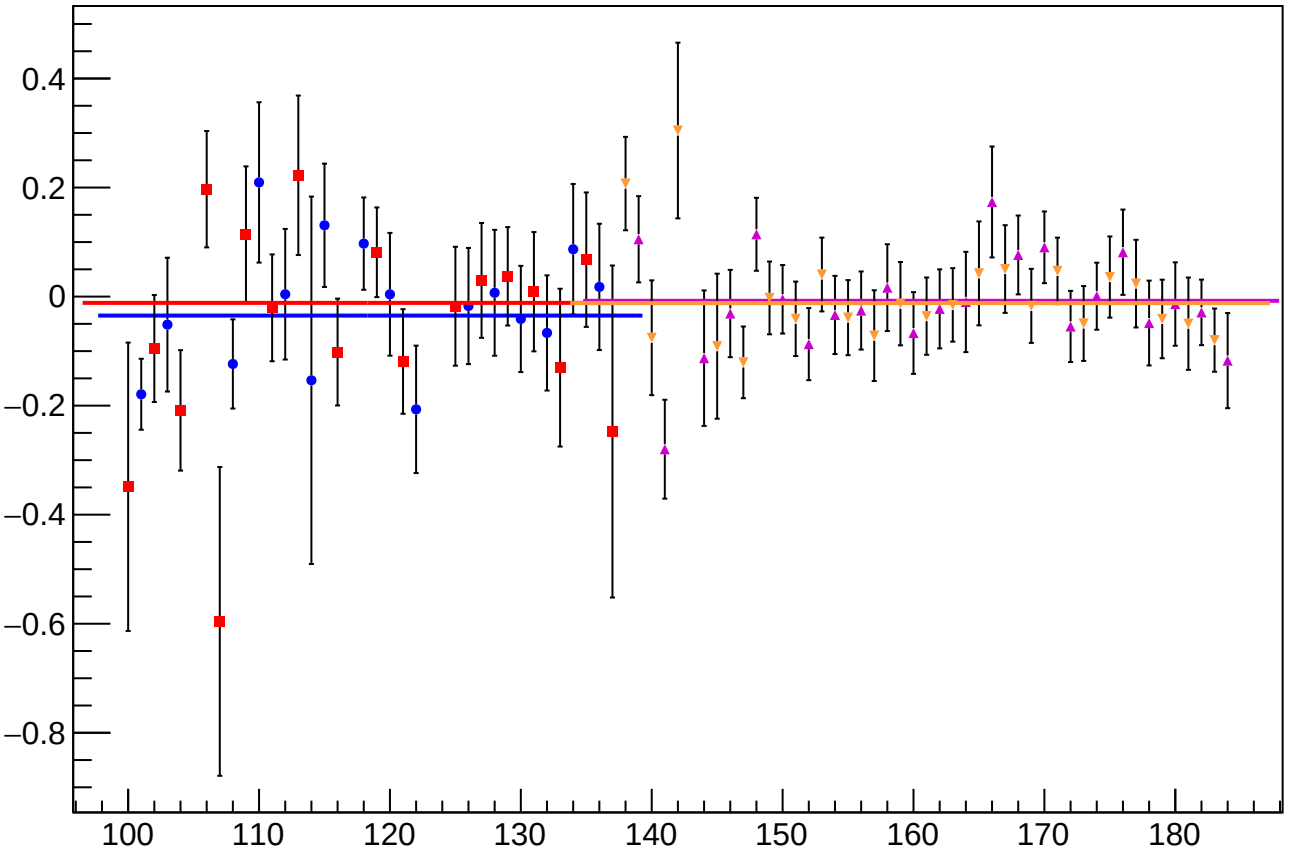
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 43.001+/-0.007 χ^2/NDF: 2944130.9/38

All: 42.855+/-0.005 χ^2/NDF: 5862261.9/79

- sign 42.712+/-0.007 χ^2/NDF: 2917156.0/40



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

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

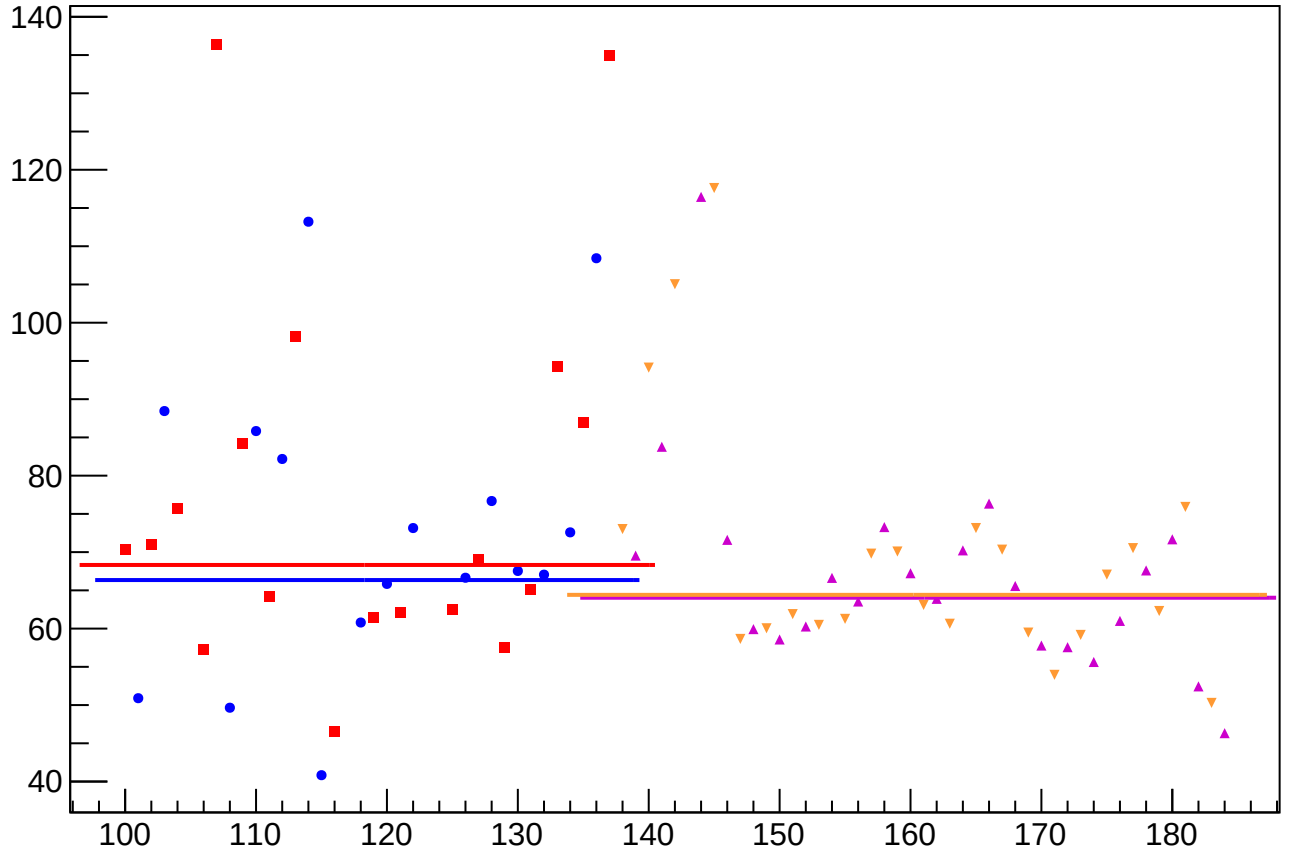
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

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

All: -0.013+/-0.009 χ^2/NDF: 89.1/79

- sign -0.009+/-0.013 χ^2/NDF: 50.9/40



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

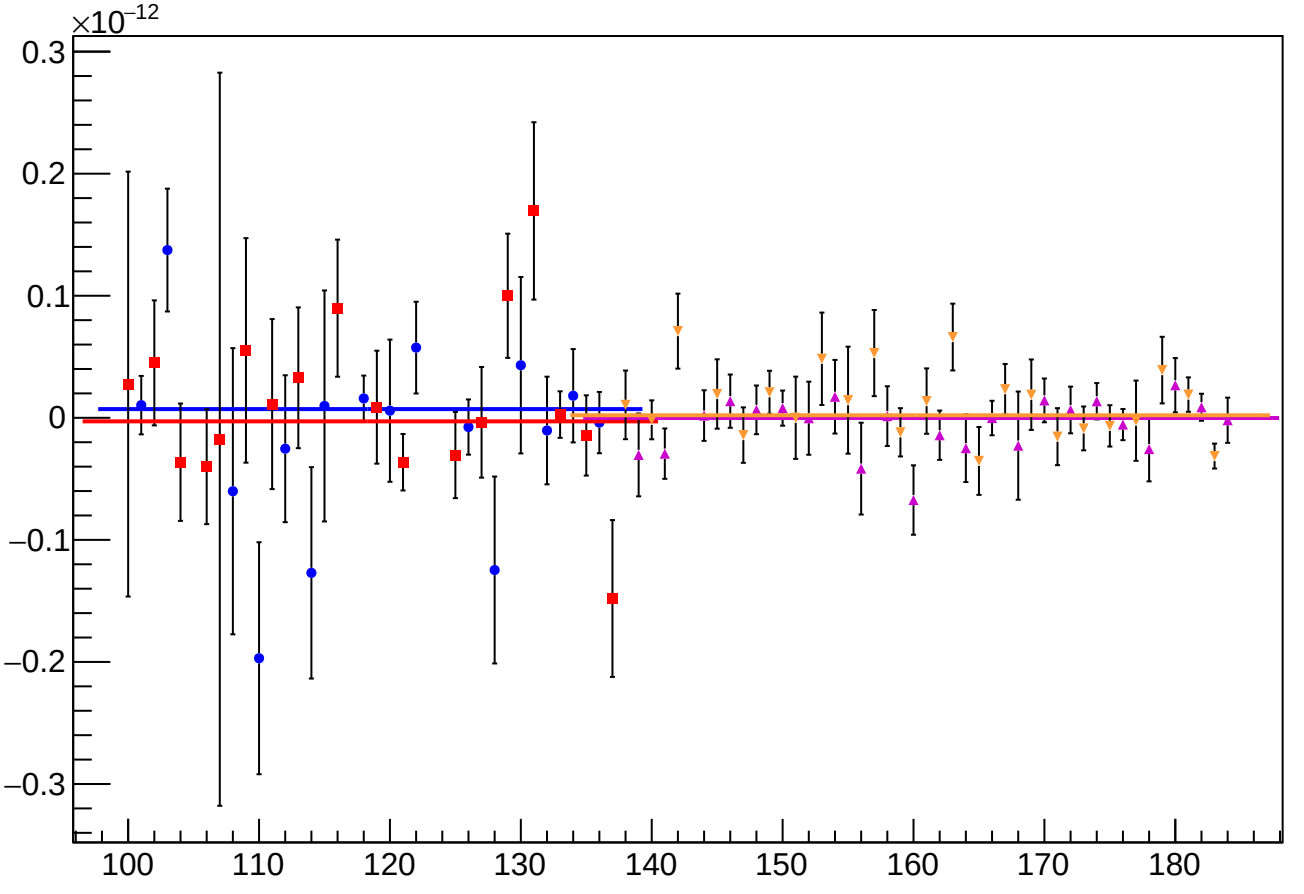
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.919+/-0.010 χ^2/NDF: 1751536.0/38

All: 65.011+/-0.007 χ^2/NDF: 3258286.2/79

- sign 65.103+/-0.009 χ^2/NDF: 1506562.4/40

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

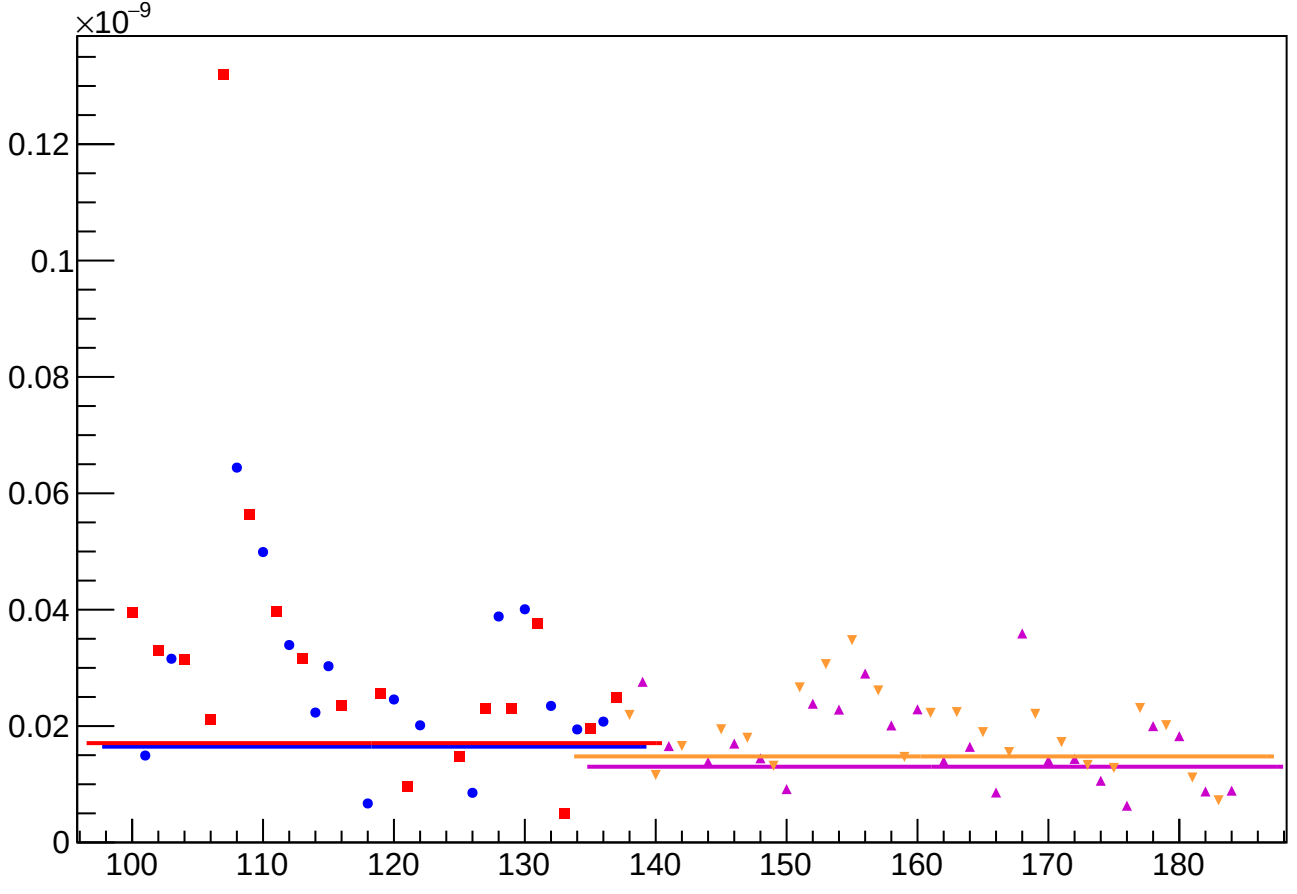
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/38

All: 0.000+/-0.000 χ^2/NDF: 97.2/79

- sign -0.000+/-0.000 χ^2/NDF: 40.6/40

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

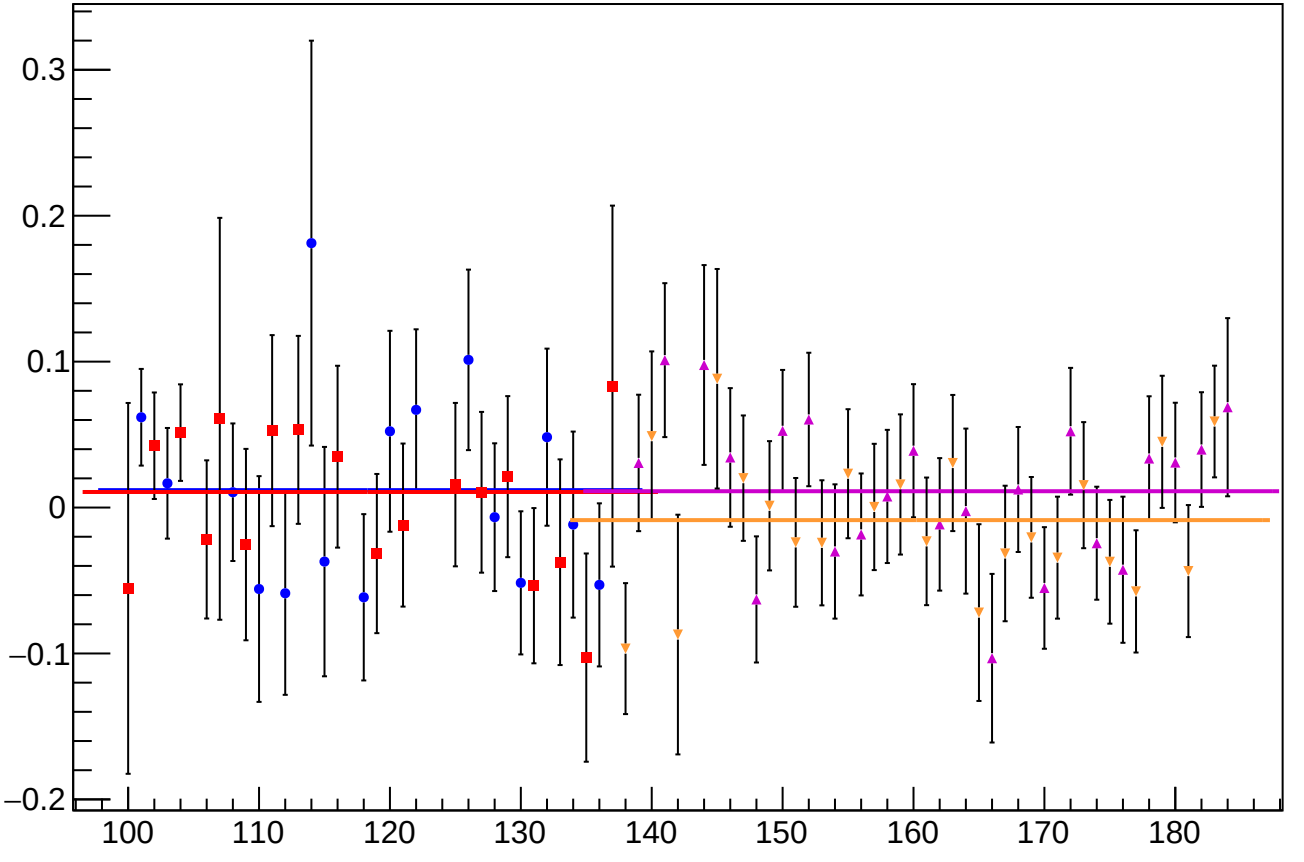
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5927575.7/38

All: 0.000+/-0.000 χ^2/NDF: 13085620.6/79

- sign 0.000+/-0.000 χ^2/NDF: 7008664.0/40

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

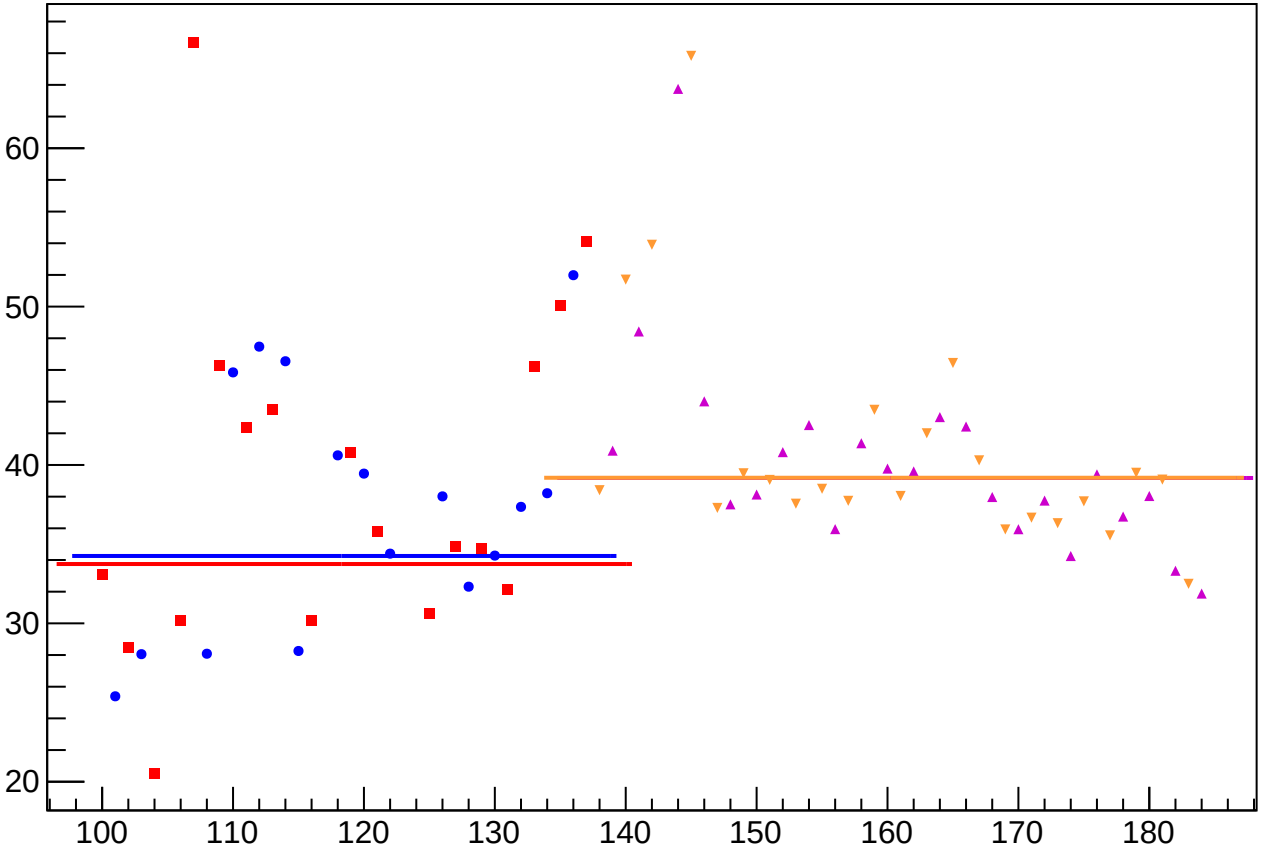
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.008 χ^2/NDF: 35.0/38

All: 0.005+/-0.006 χ^2/NDF: 69.6/79

- sign 0.011+/-0.008 χ^2/NDF: 33.2/40

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

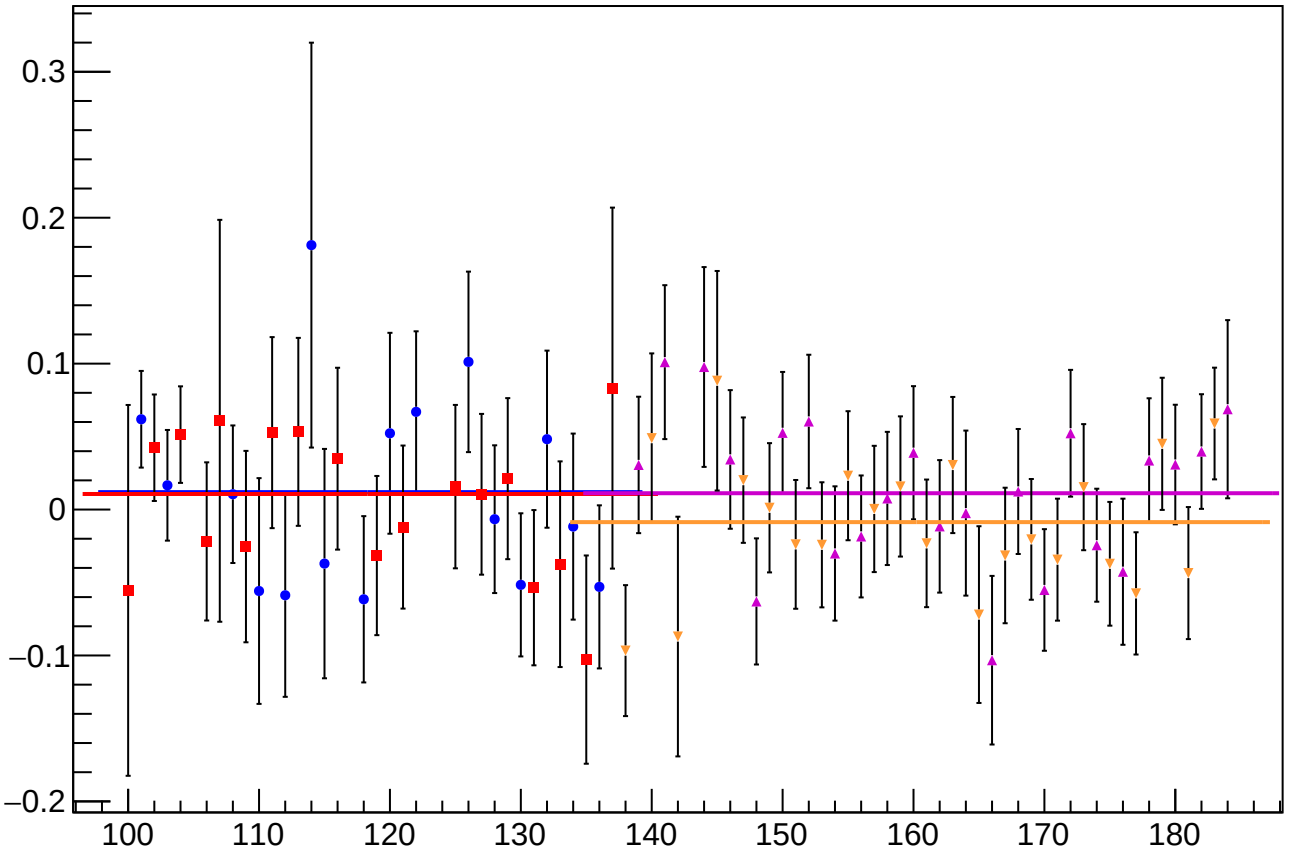
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.557+/-0.006 χ^2/NDF: 1391823.0/38

All: 37.455+/-0.004 χ^2/NDF: 3043215.7/79

- sign 37.354+/-0.006 χ^2/NDF: 1650715.6/40



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.009+/-0.010 χ^2/NDF:18.8/22

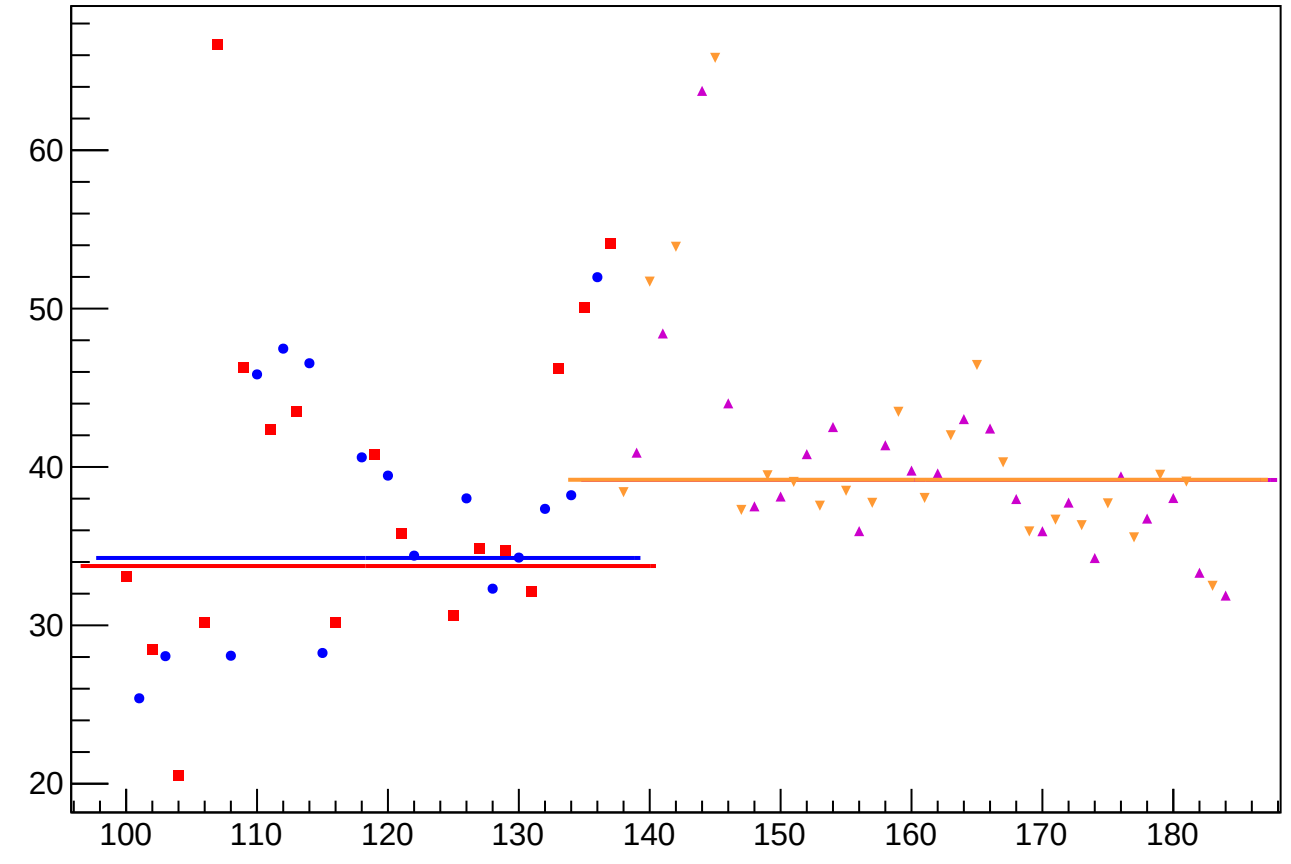
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.008 χ^2/NDF: 35.0/38

All: 0.005+/-0.006 χ^2/NDF: 69.6/79

- sign 0.011+/-0.008 χ^2/NDF: 33.2/40



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

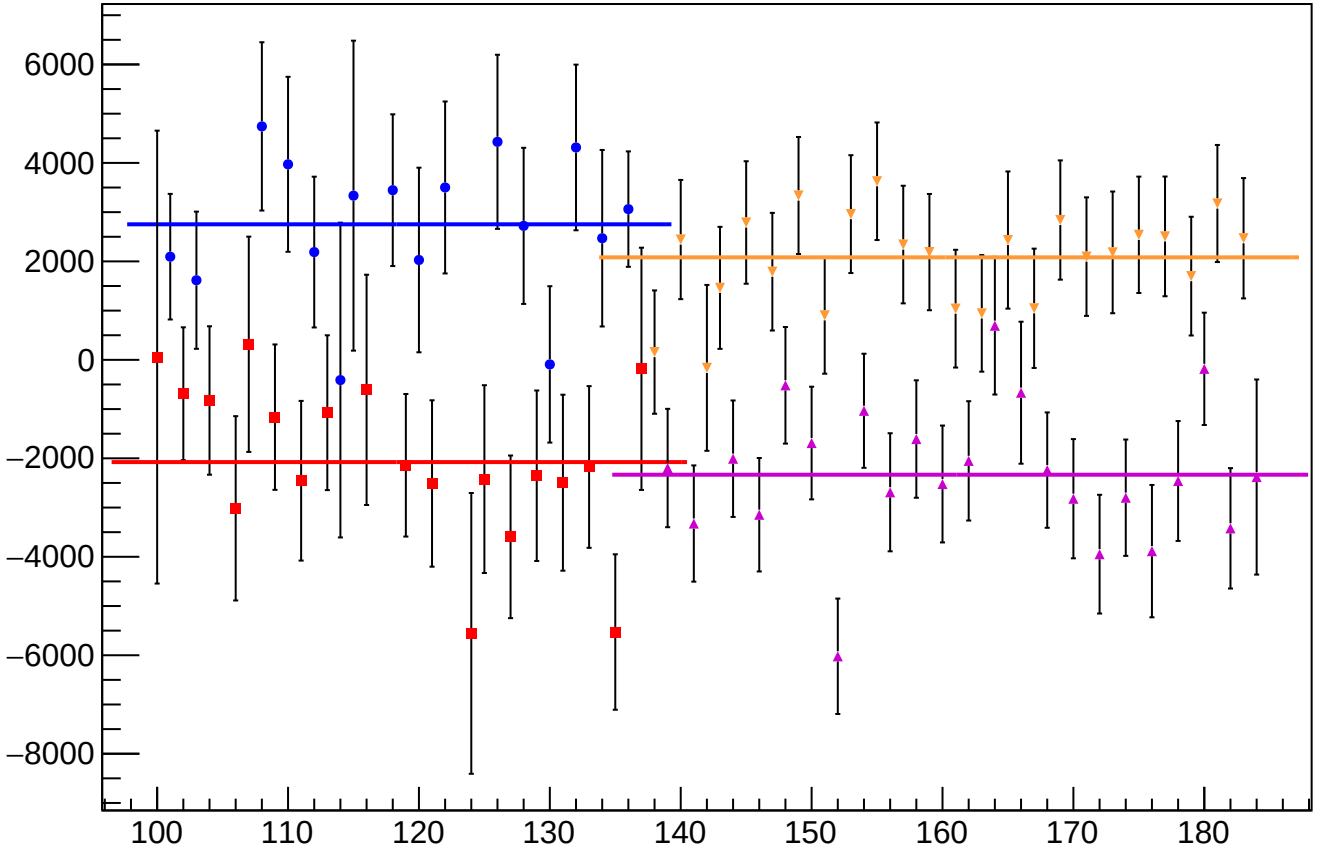
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.557+/-0.006 χ^2/NDF: 1391823.0/38

All: 37.455+/-0.004 χ^2/NDF: 3043215.7/79

- sign 37.354+/-0.006 χ^2/NDF: 1650715.6/40

reg_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

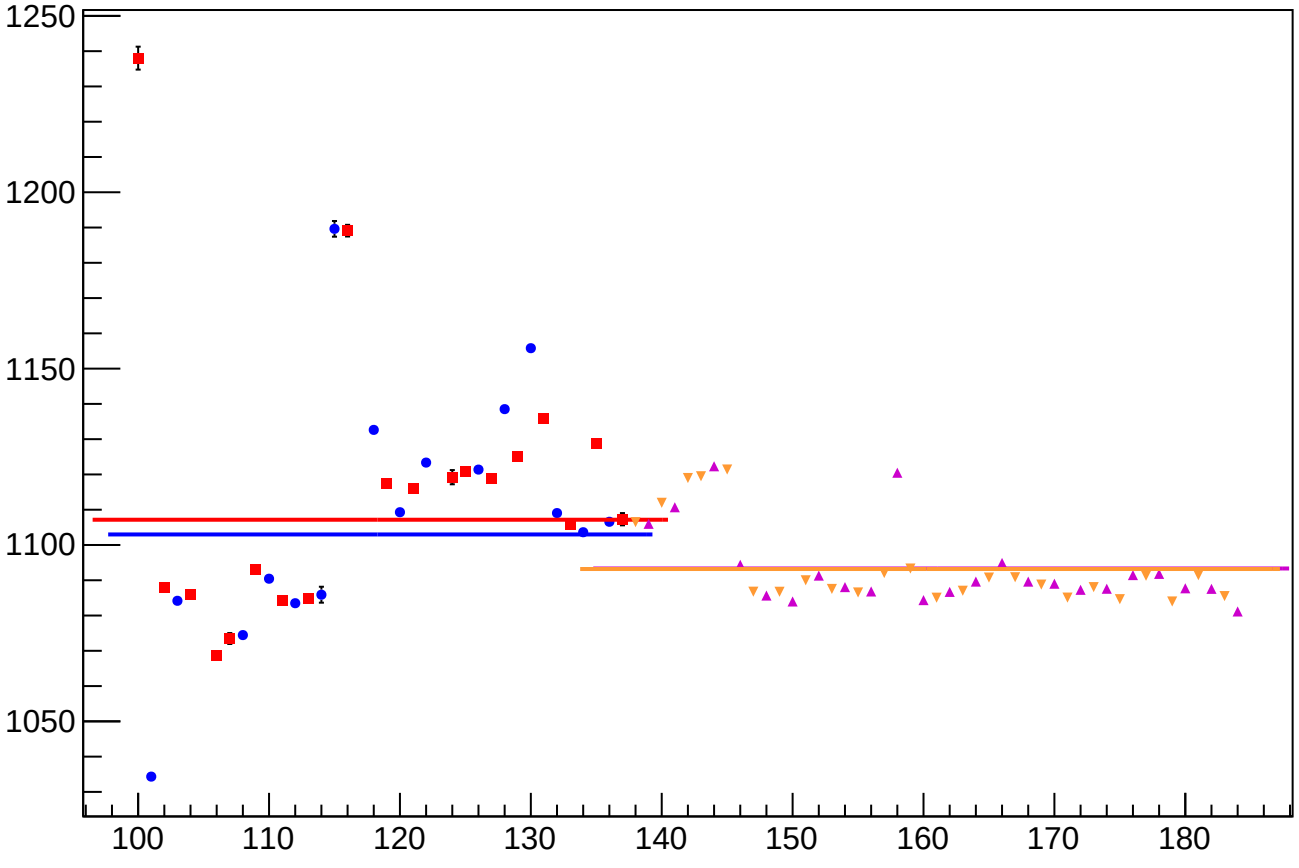
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2263.998+/-213.429 χ^2/NDF: 24.9/39

All: 26.900+/-151.741 χ^2/NDF: 289.4/81

- sign -2259.714+/-215.778 χ^2/NDF: 42.3/41

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

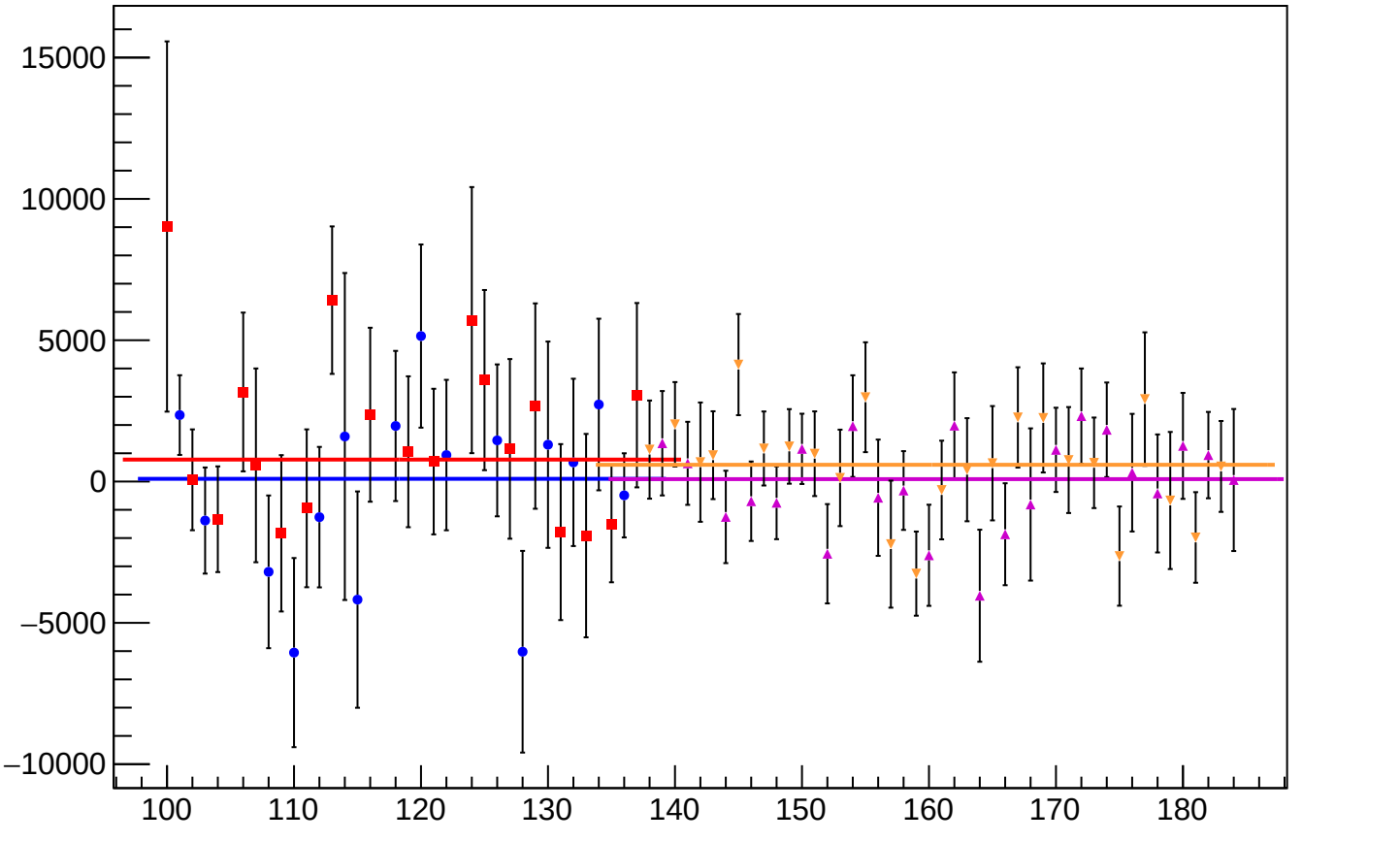
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.847+/-0.151 χ^2/NDF: 18021.9/39

All: 1096.558+/-0.107 χ^2/NDF: 32149.9/81

- sign 1097.285+/-0.153 χ^2/NDF: 14083.1/41



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

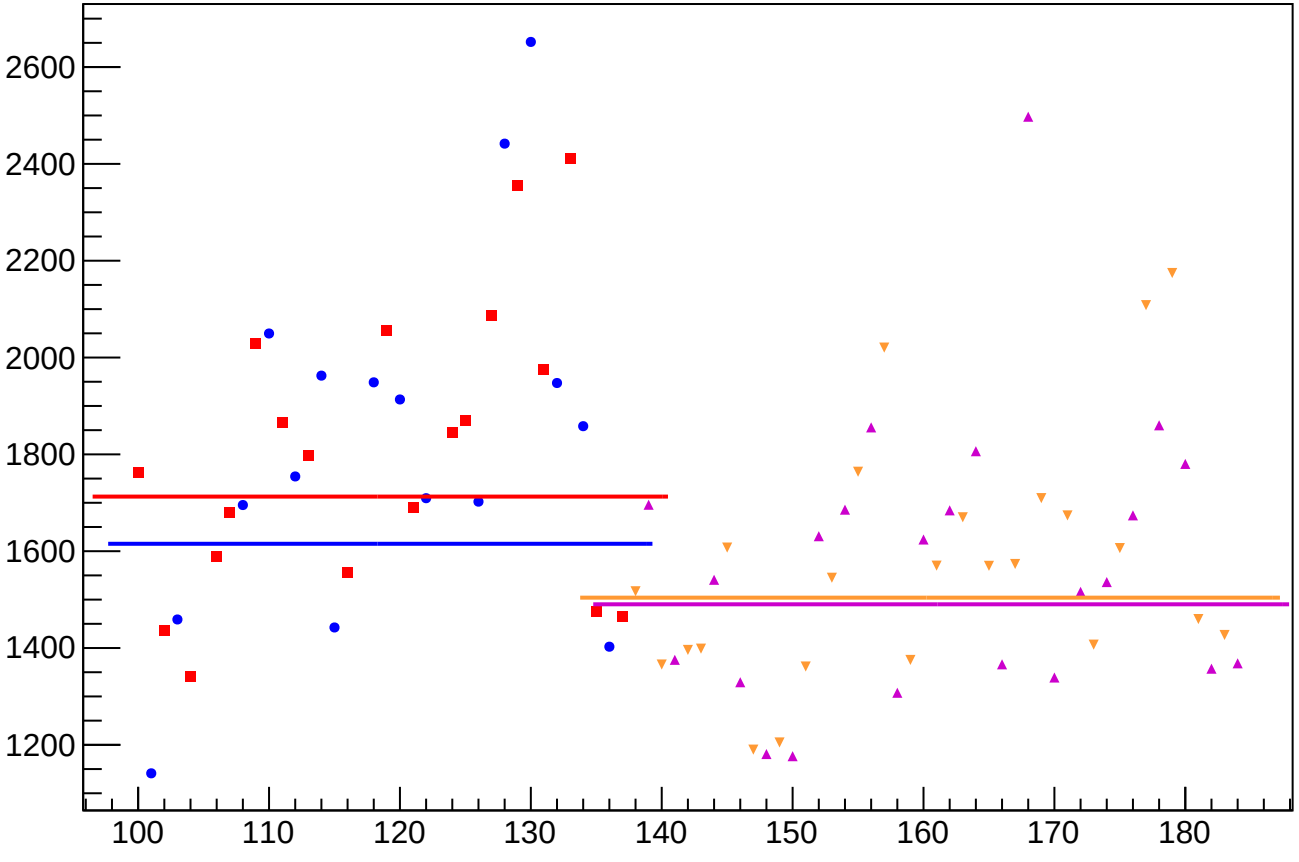
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 472.182+/-304.418 χ^2/NDF: 41.9/39

All: 362.150+/-216.989 χ^2/NDF: 76.2/81

- sign 248.502+/-309.380 χ^2/NDF: 34.0/41

asym_usr_reg_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

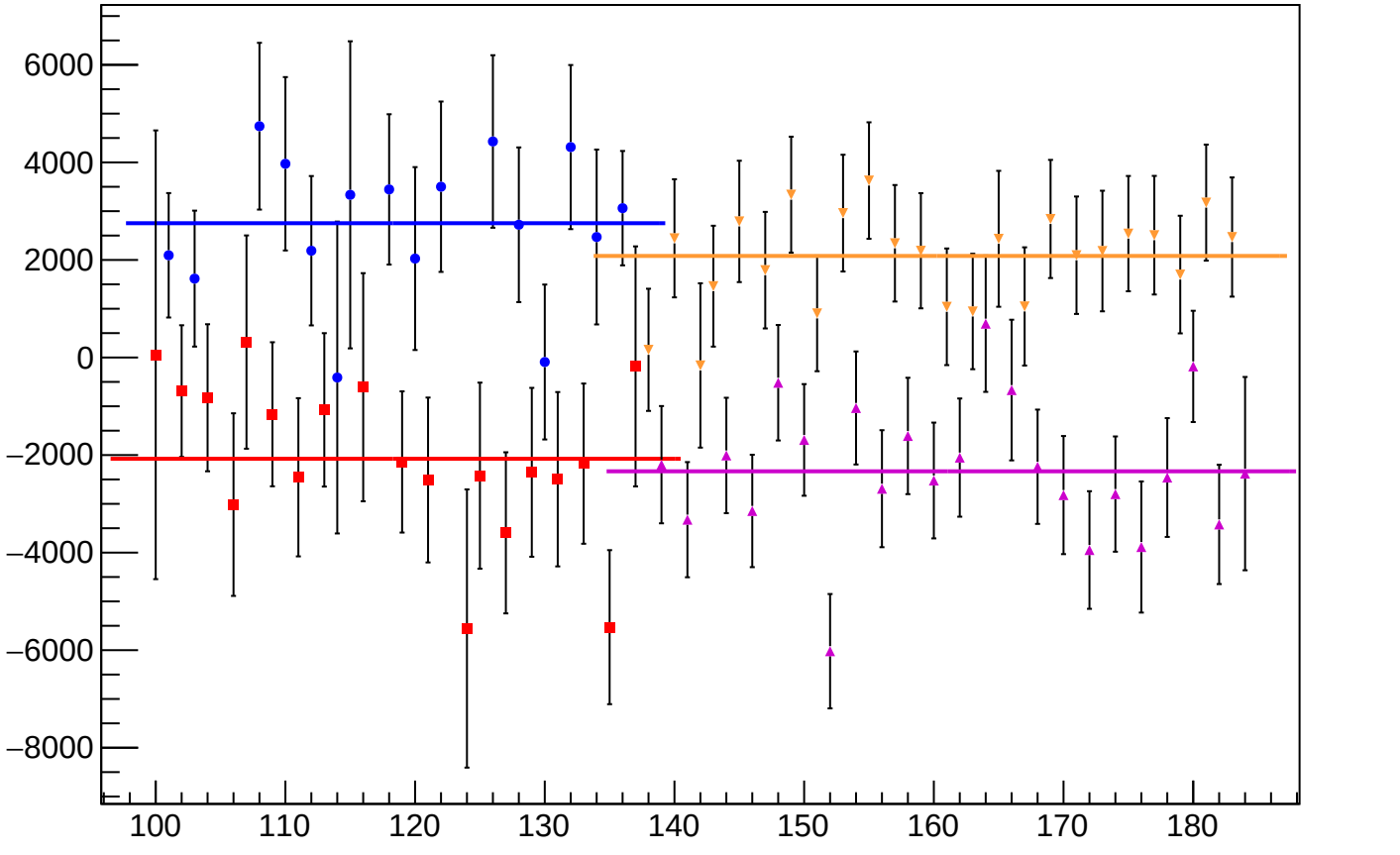
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1531.039+/-0.215 χ^2/NDF: 1541971.0/39

All: 1536.825+/-0.153 χ^2/NDF: 3126165.1/81

- sign 1542.801+/-0.219 χ^2/NDF: 1582725.1/41



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

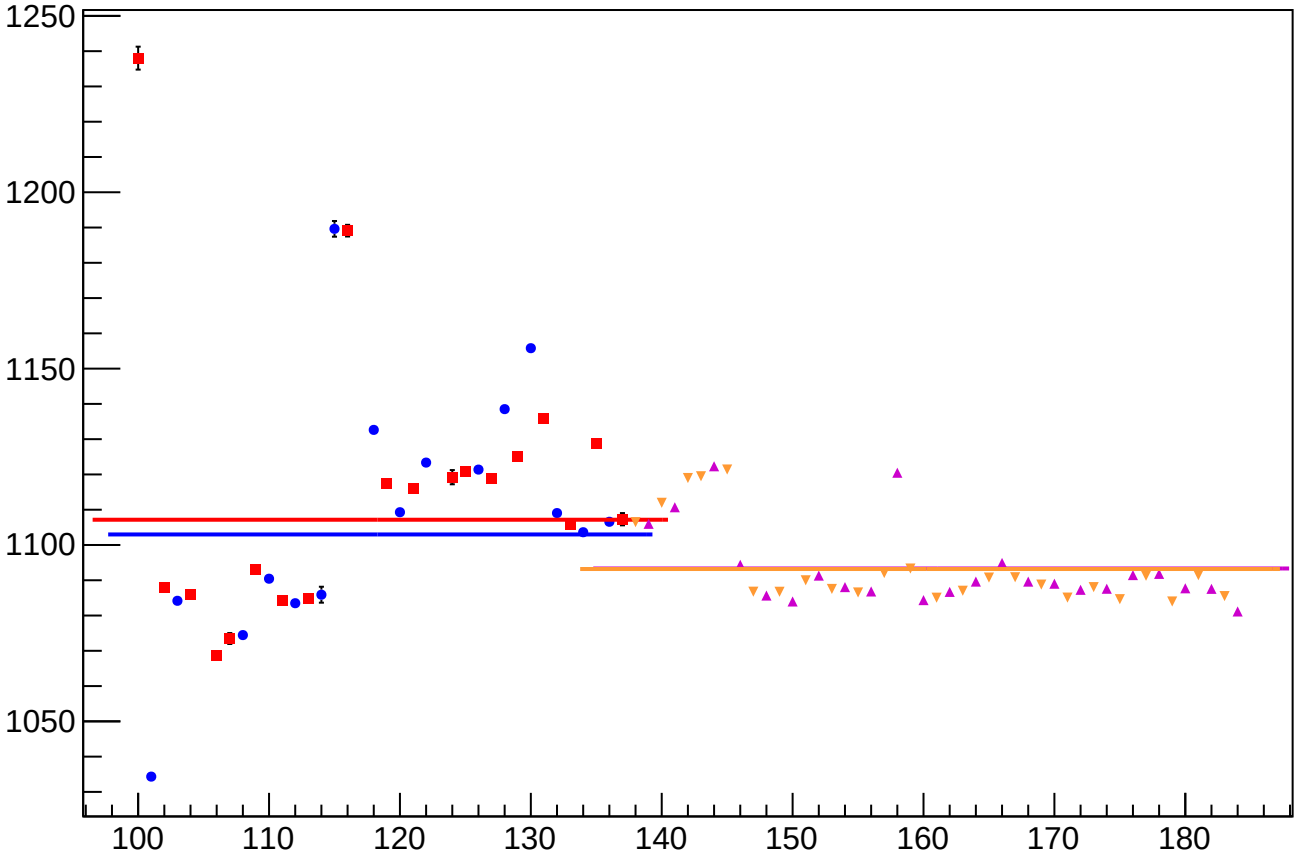
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2263.998+/-213.429 χ^2/NDF: 24.9/39

All: 26.900+/-151.741 χ^2/NDF: 289.4/81

- sign -2259.714+/-215.778 χ^2/NDF: 42.3/41

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

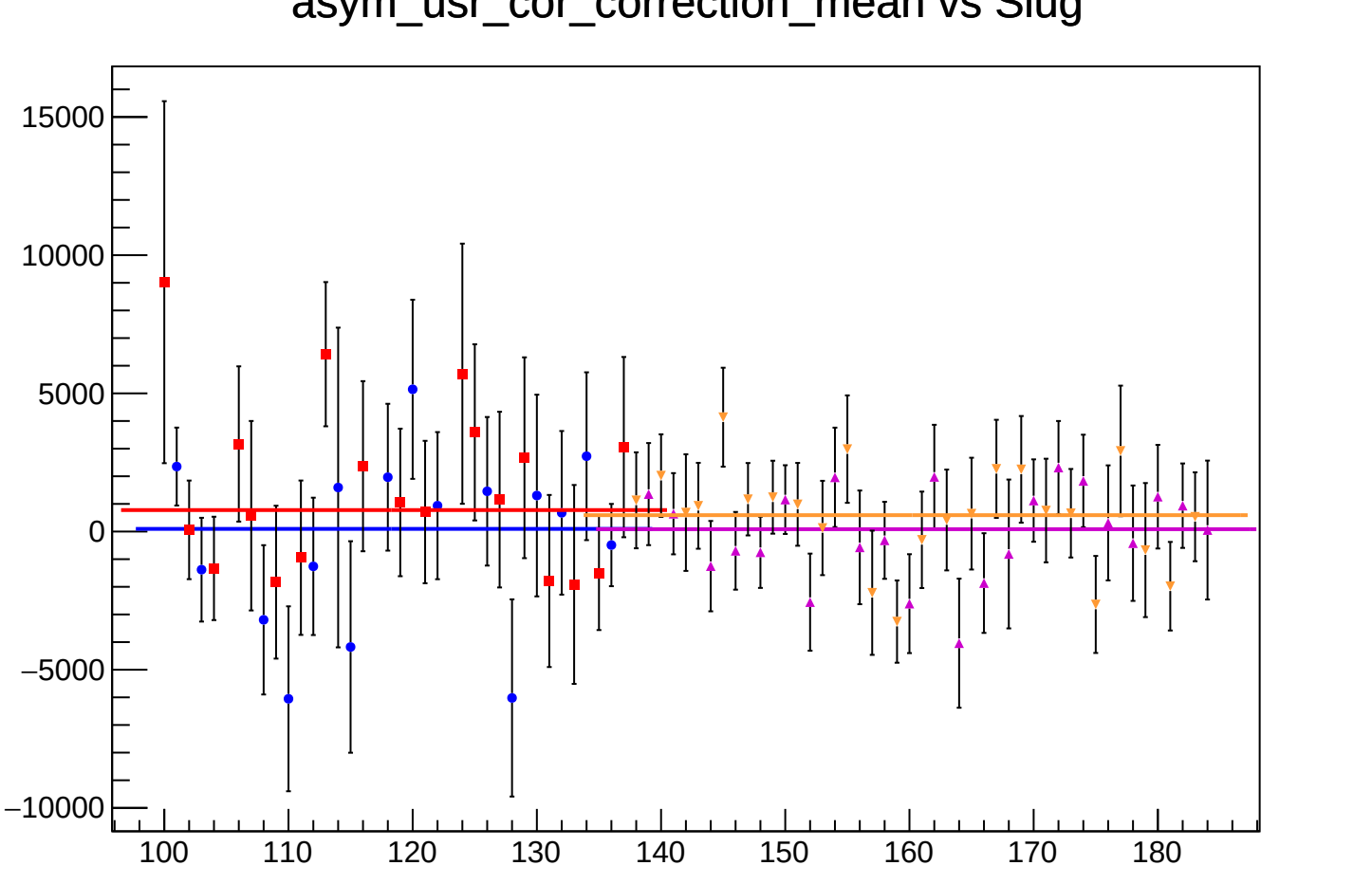
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.847+/-0.151 χ^2/NDF: 18021.9/39

All: 1096.558+/-0.107 χ^2/NDF: 32149.9/81

- sign 1097.285+/-0.153 χ^2/NDF: 14083.1/41



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

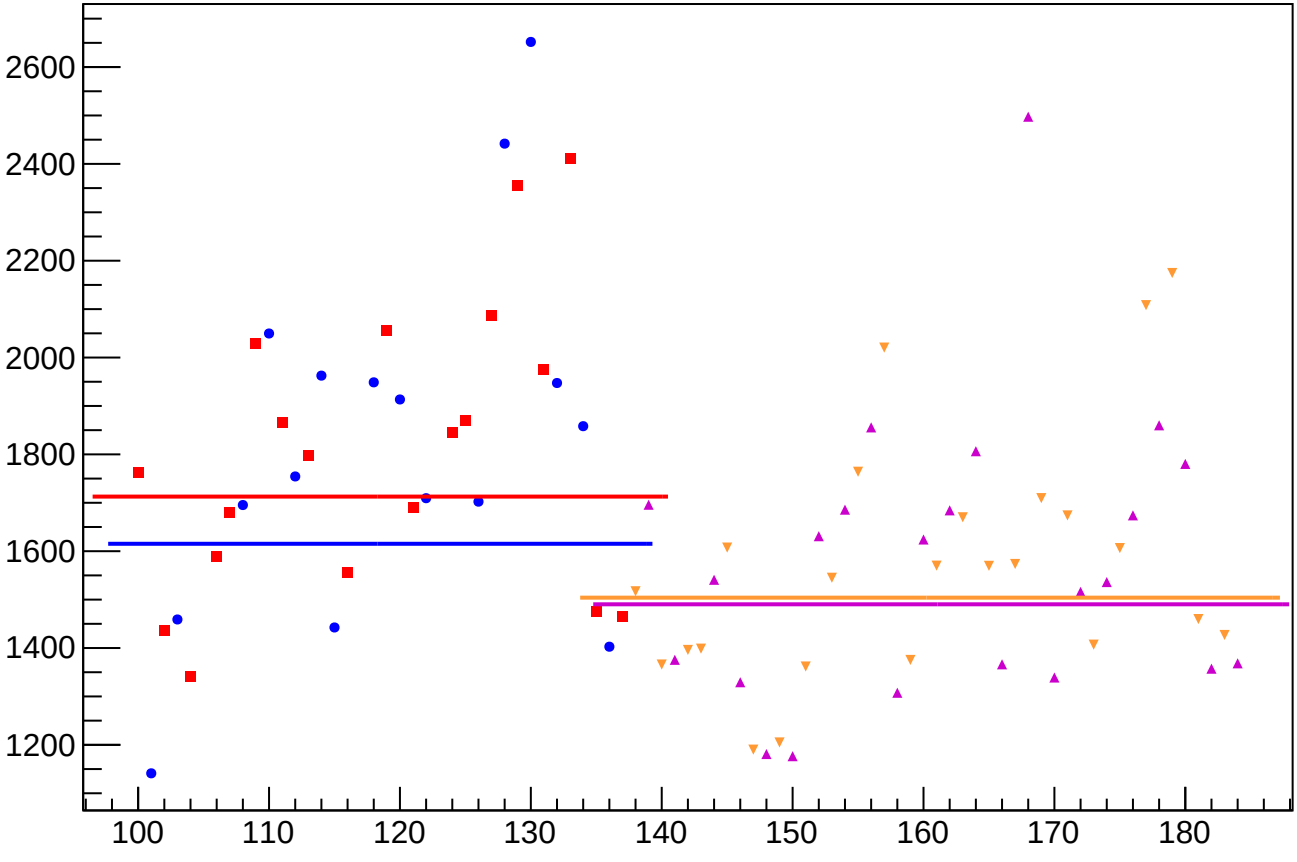
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 472.182+/-304.418 χ^2/NDF: 41.9/39

All: 362.150+/-216.989 χ^2/NDF: 76.2/81

- sign 248.502+/-309.380 χ^2/NDF: 34.0/41

asym_usr_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

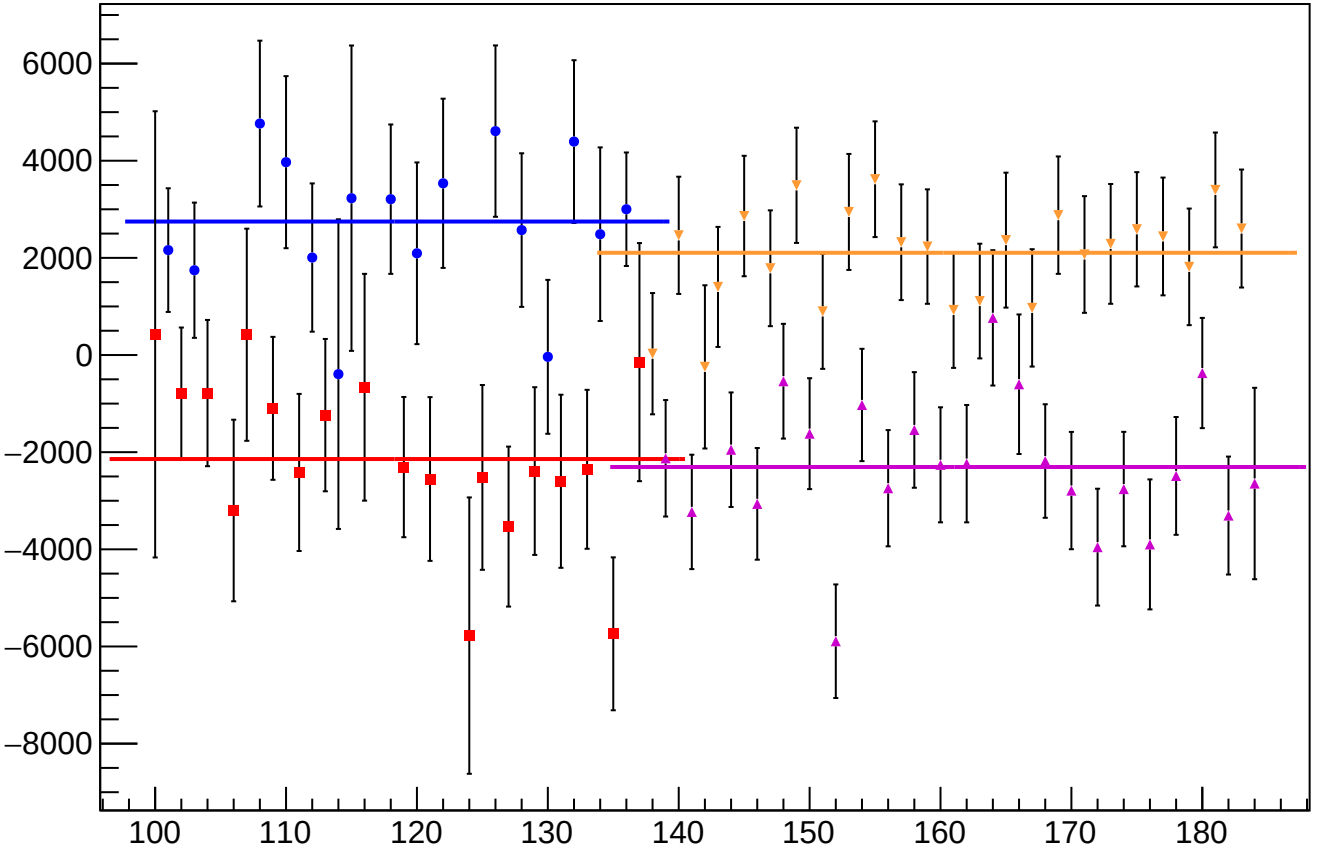
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1531.039+/-0.215 χ^2/NDF: 1541971.0/39

All: 1536.825+/-0.153 χ^2/NDF: 3126165.1/81

- sign 1542.801+/-0.219 χ^2/NDF: 1582725.1/41

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

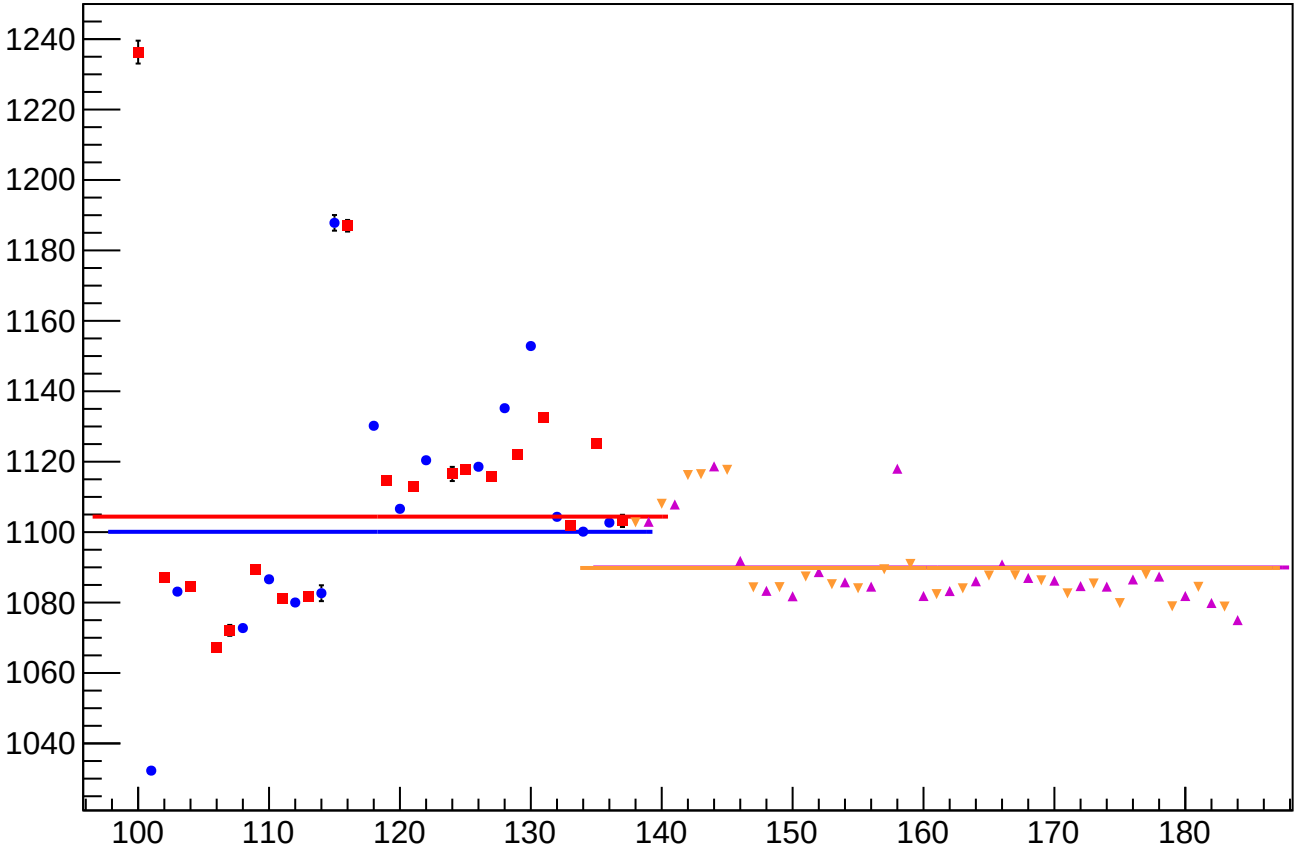
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2279.221+/-212.798 χ^2/NDF: 26.2/39

All: 35.270+/-151.295 χ^2/NDF: 293.2/81

- sign -2258.550+/-215.149 χ^2/NDF: 42.1/41

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

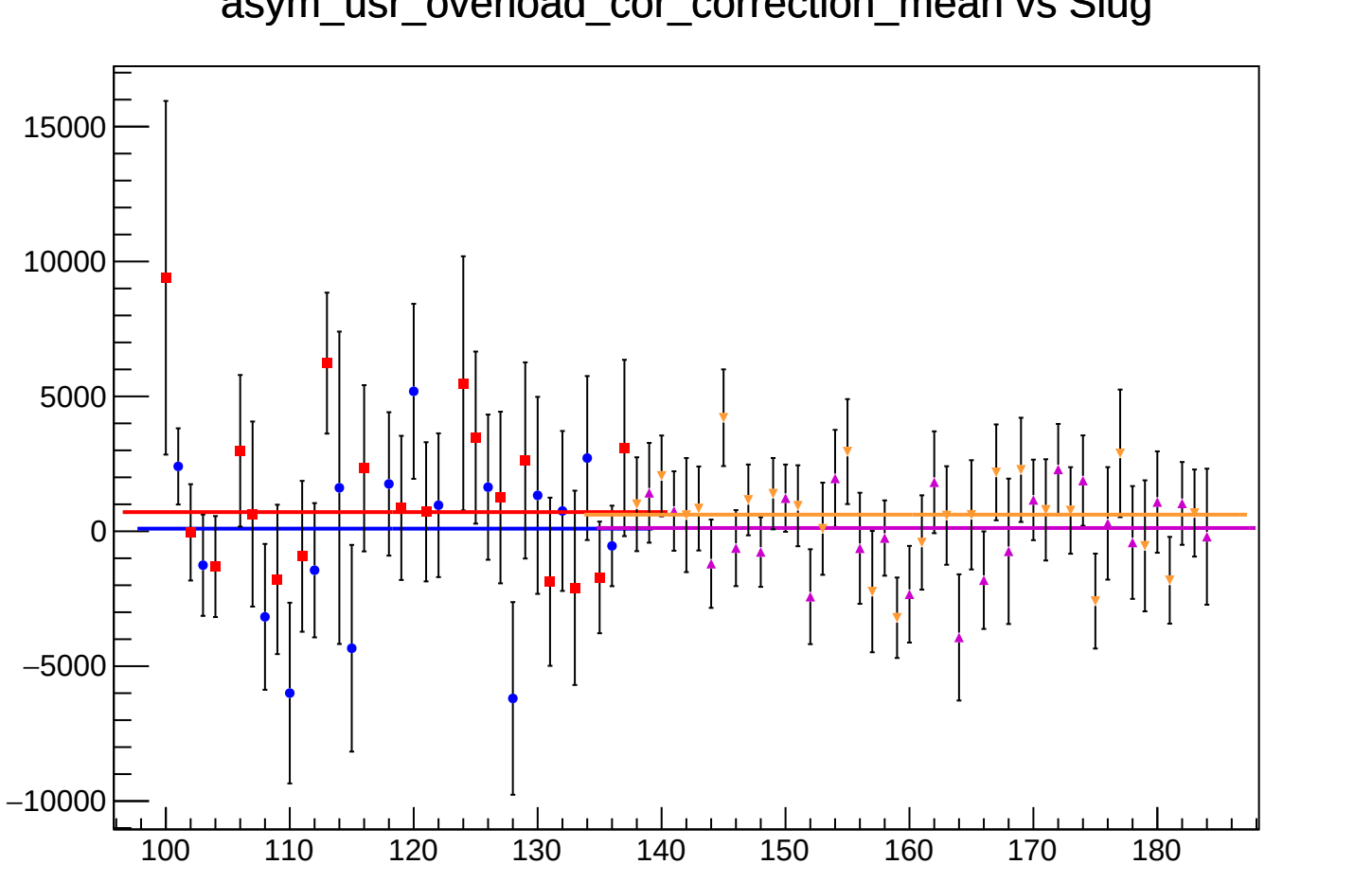
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1092.604+/-0.150 χ^2/NDF: 18040.8/39

All: 1093.336+/-0.107 χ^2/NDF: 32364.8/81

- sign 1094.084+/-0.152 χ^2/NDF: 14276.2/41



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

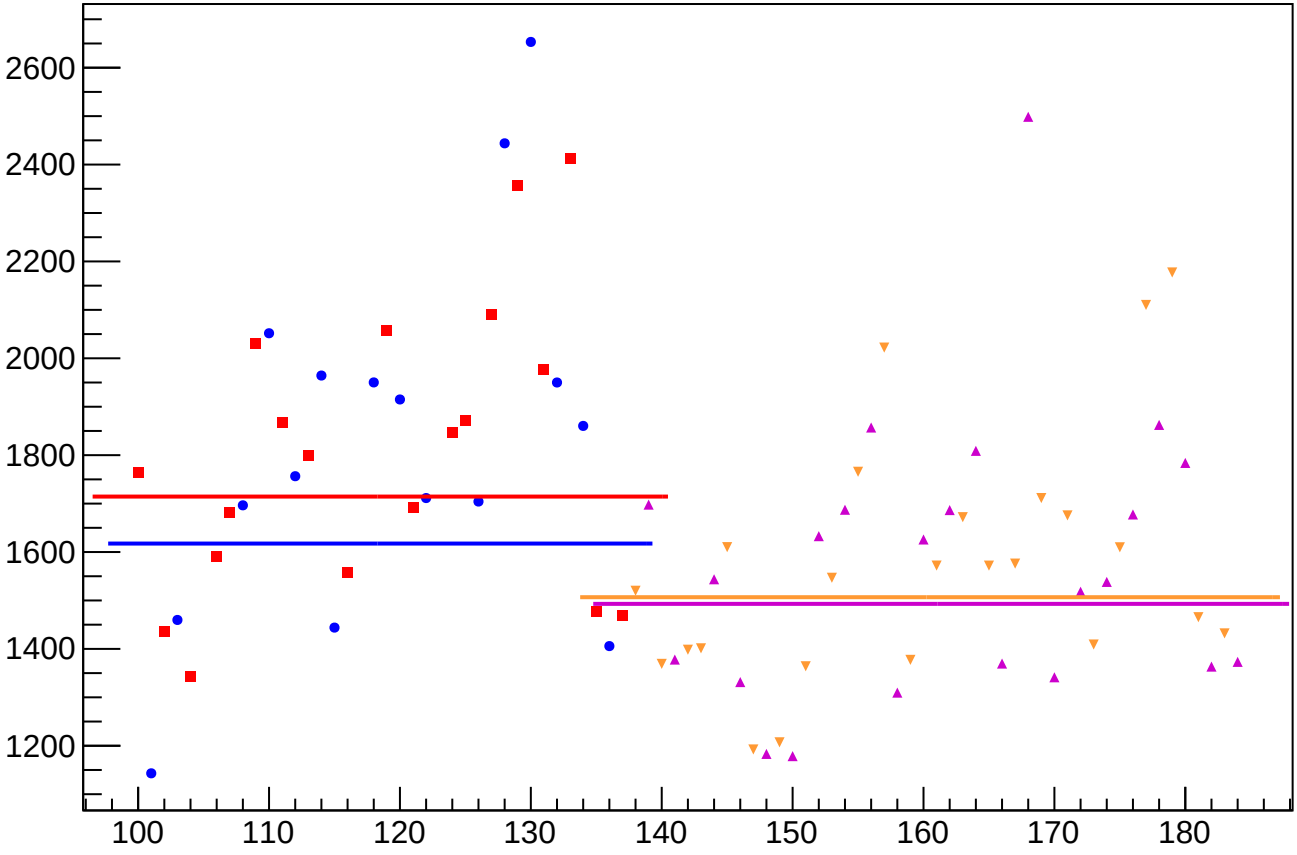
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 490.723+/-304.904 χ^2/NDF: 41.7/39

All: 377.582+/-217.330 χ^2/NDF: 74.7/81

- sign 260.735+/-309.857 χ^2/NDF: 32.7/41

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1506.726+/-0.248 χ^2/NDF:795968.8/23

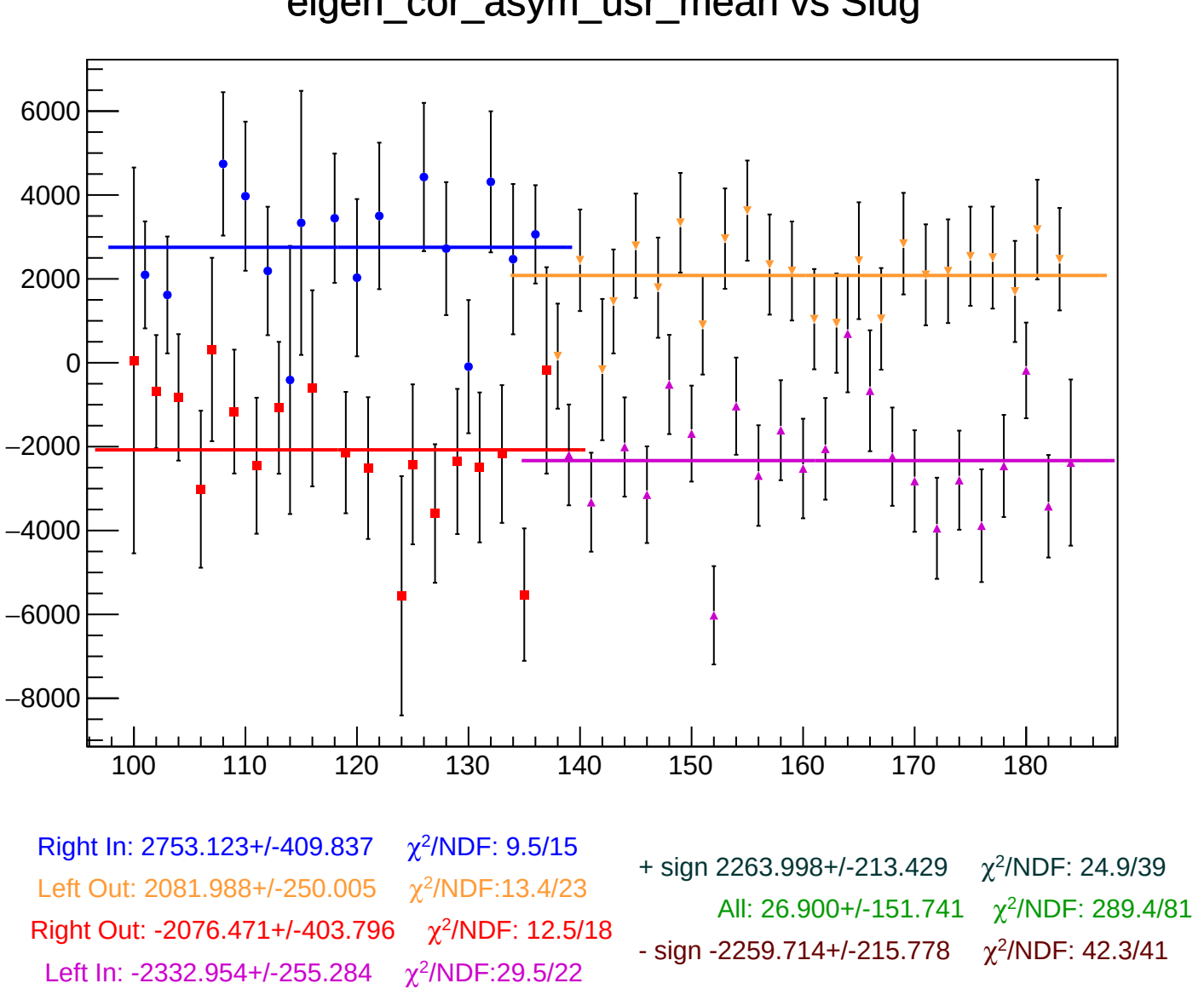
Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

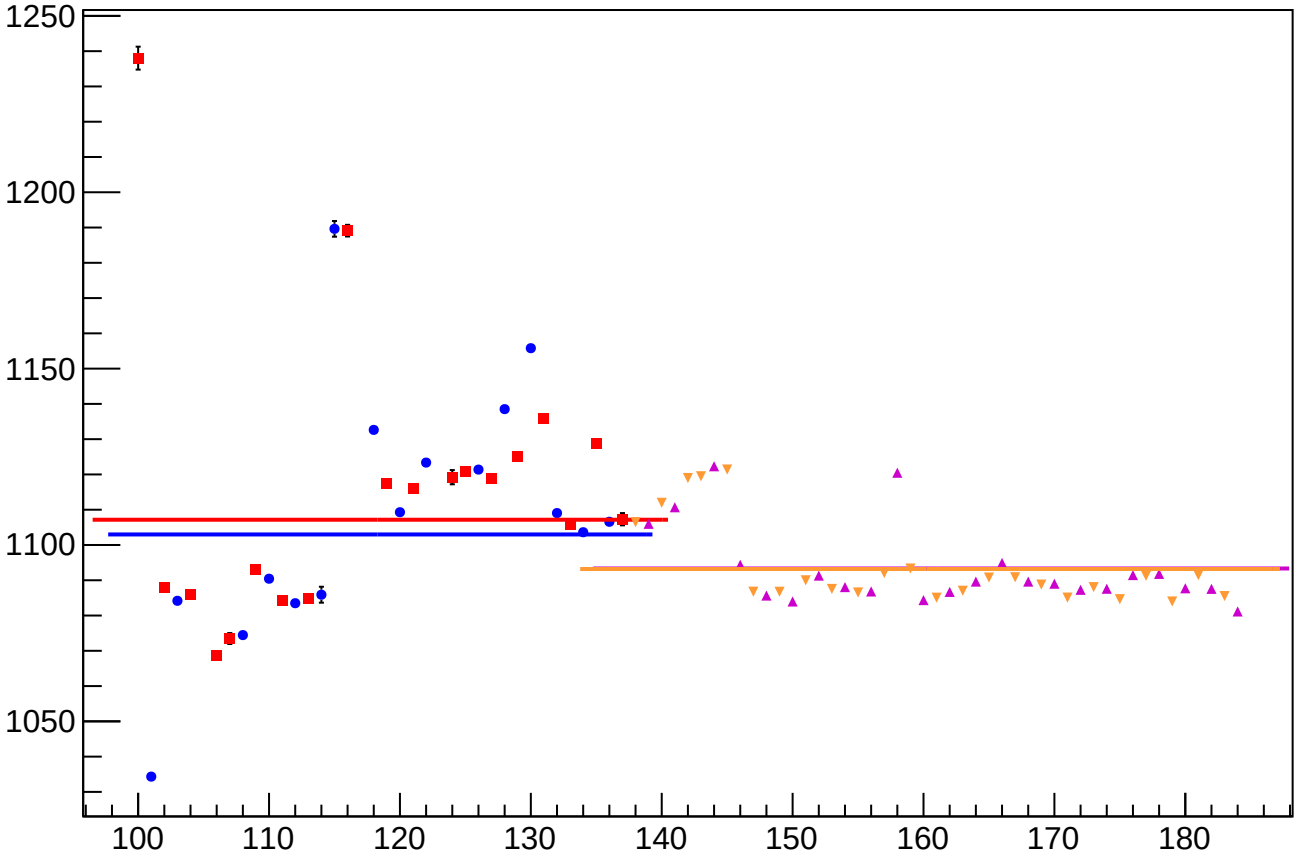
+ sign 1533.612+/-0.216 χ^2/NDF: 1536209.7/39

All: 1539.360+/-0.154 χ^2/NDF: 3114144.9/81

- sign 1545.297+/-0.219 χ^2/NDF: 1576490.0/41


eigen_cor_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 2081.988+/-250.005 χ²/NDF:13.4/23
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2332.954+/-255.284 χ²/NDF:29.5/22
+ sign 2263.998+/-213.429 χ²/NDF: 24.9/39
All: 26.900+/-151.741 χ²/NDF: 289.4/81
- sign -2259.714+/-215.778 χ²/NDF: 42.3/41

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

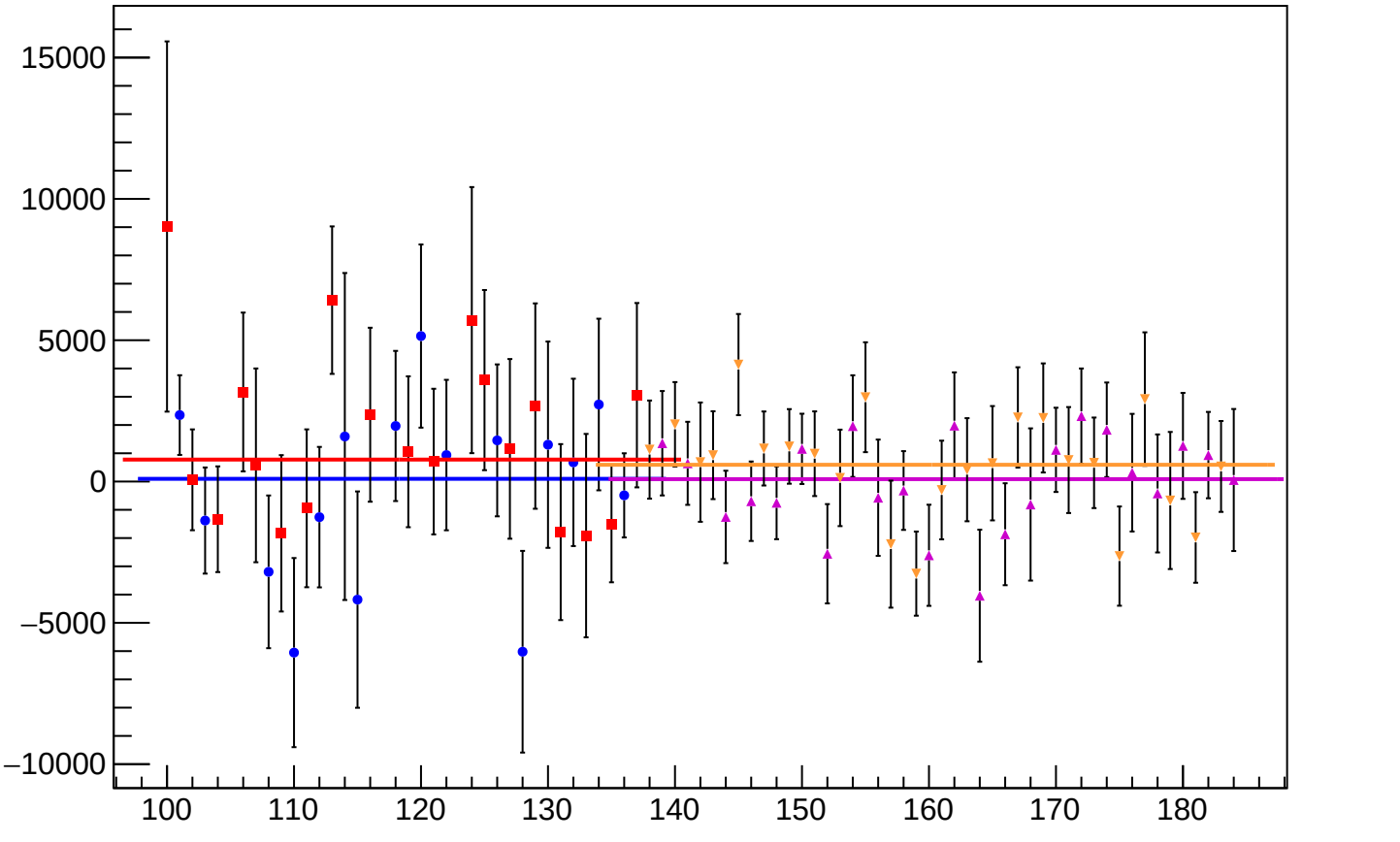
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.847+/-0.151 χ^2/NDF: 18021.9/39

All: 1096.558+/-0.107 χ^2/NDF: 32149.9/81

- sign 1097.285+/-0.153 χ^2/NDF: 14083.1/41



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

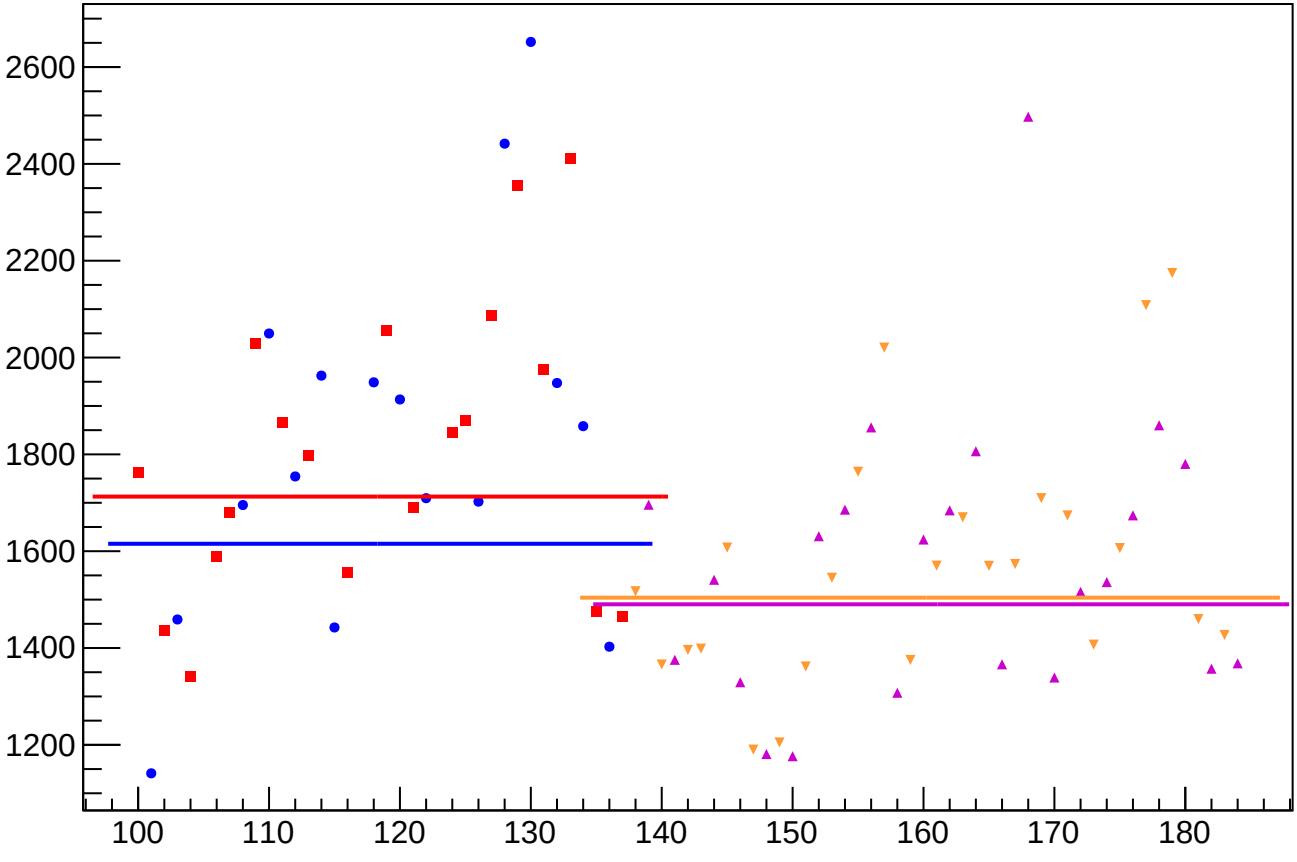
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 472.182+/-304.418 χ^2/NDF: 41.9/39

All: 362.150+/-216.989 χ^2/NDF: 76.2/81

- sign 248.502+/-309.380 χ^2/NDF: 34.0/41

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

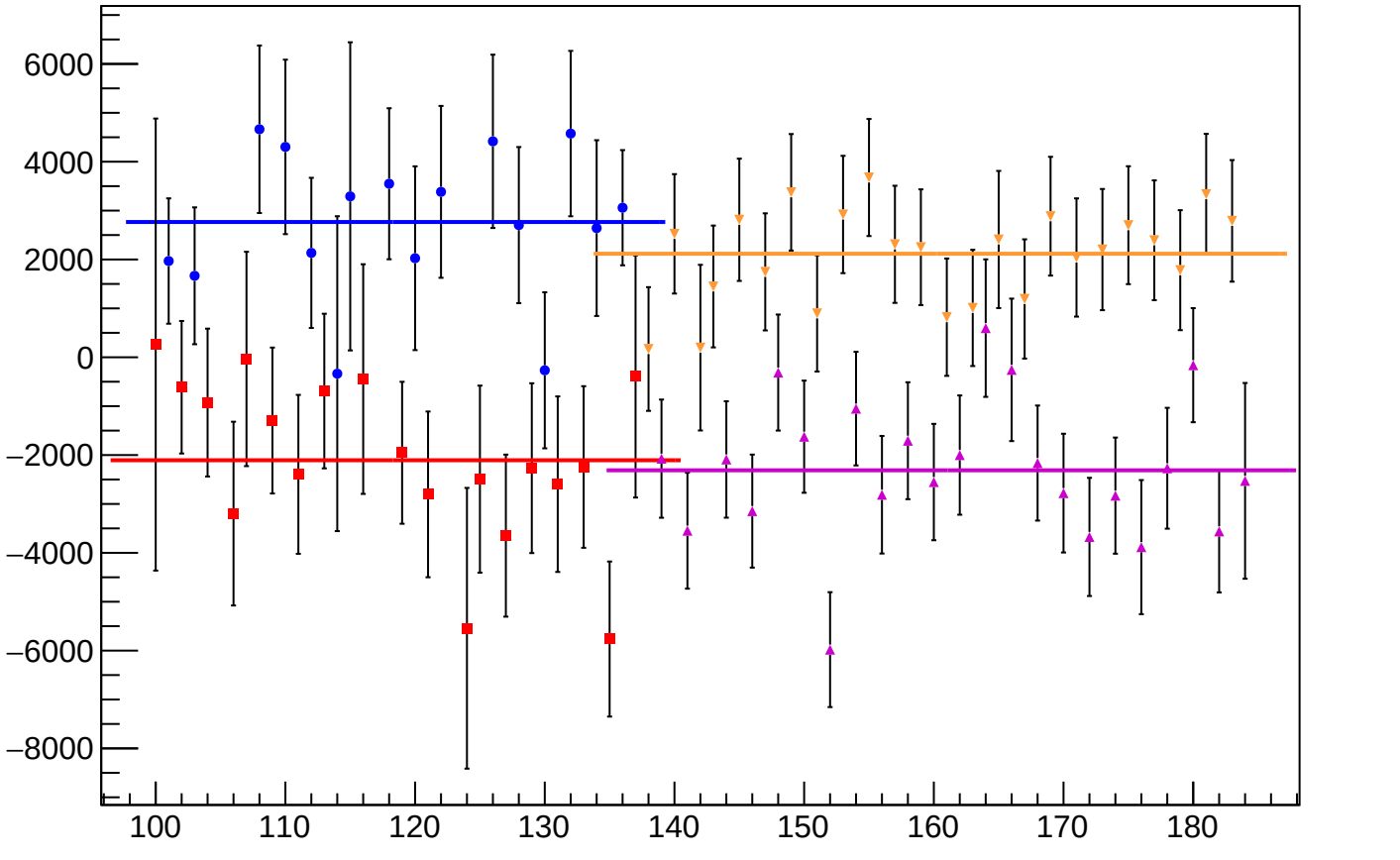
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1531.039+/-0.215 χ^2/NDF: 1541971.0/39

All: 1536.825+/-0.153 χ^2/NDF: 3126165.1/81

- sign 1542.801+/-0.219 χ^2/NDF: 1582725.1/41



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2117.623+/-251.926 χ^2/NDF:13.5/23

Right Out: -2106.358+/-405.586 χ^2/NDF: 13.4/18

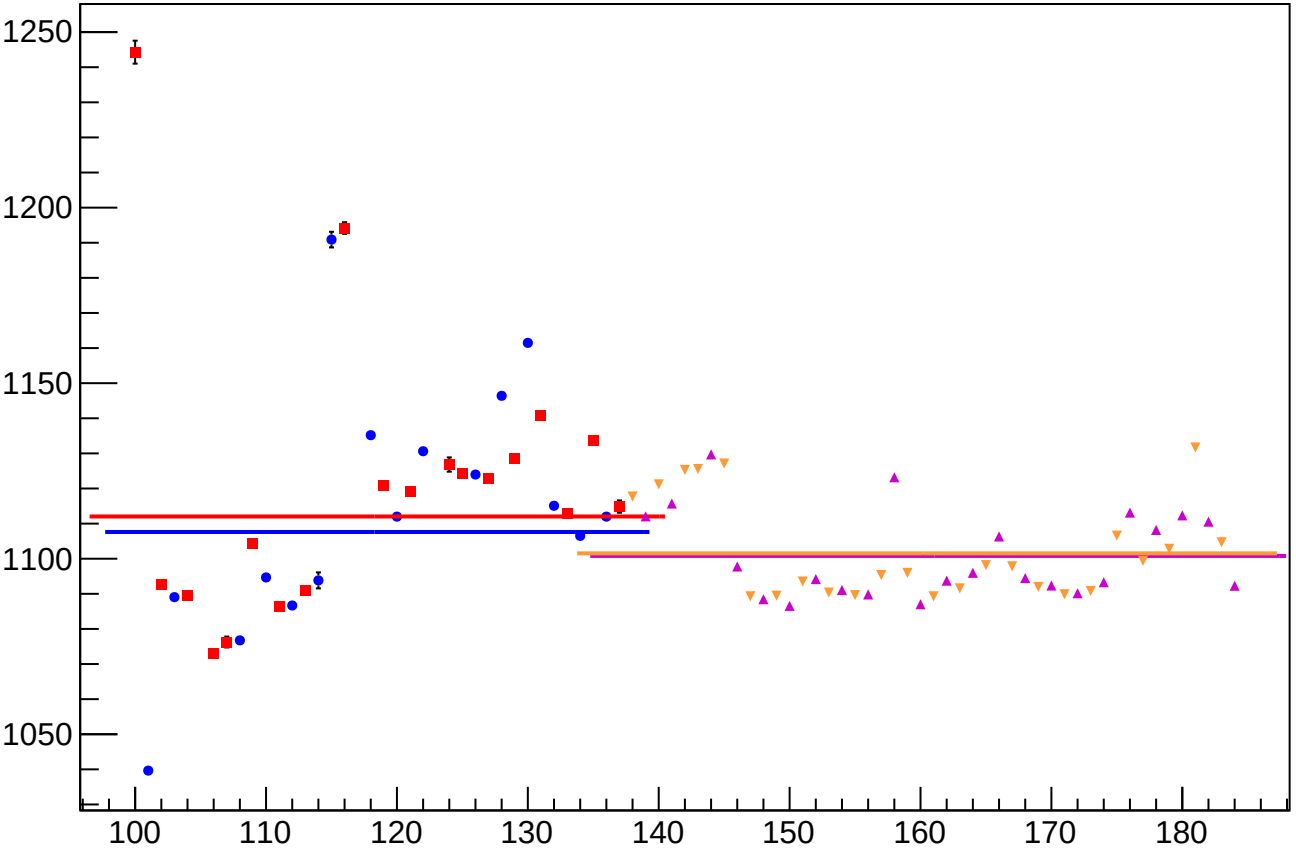
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2294.526+/-214.867 χ^2/NDF: 25.6/39

All: 44.408+/-152.720 χ^2/NDF: 290.7/81

- sign -2252.904+/-217.109 χ^2/NDF: 43.5/41

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

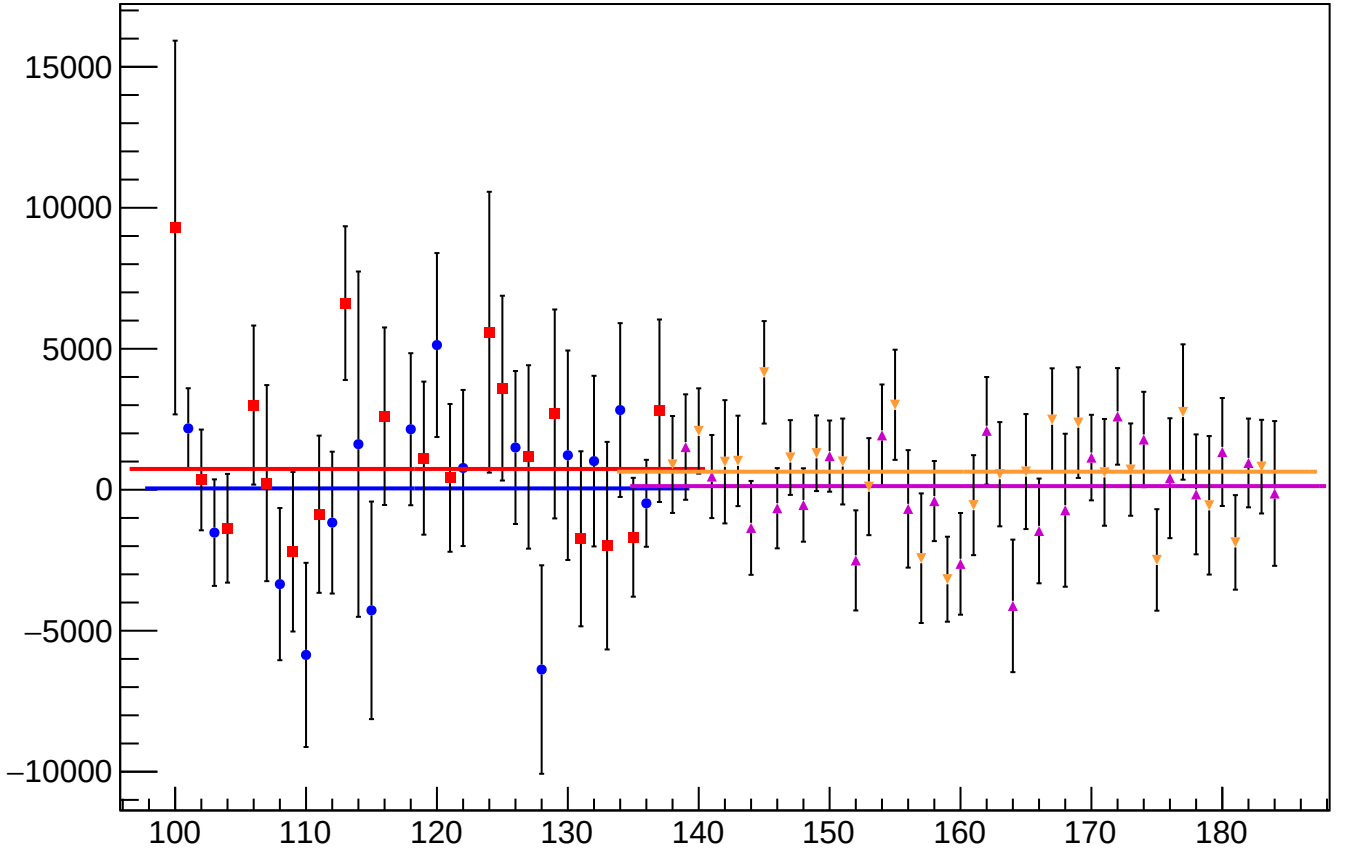
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.185+/-0.152 χ^2/NDF: 19421.4/39

All: 1103.594+/-0.108 χ^2/NDF: 33826.5/81

- sign 1104.012+/-0.154 χ^2/NDF: 14390.5/41

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

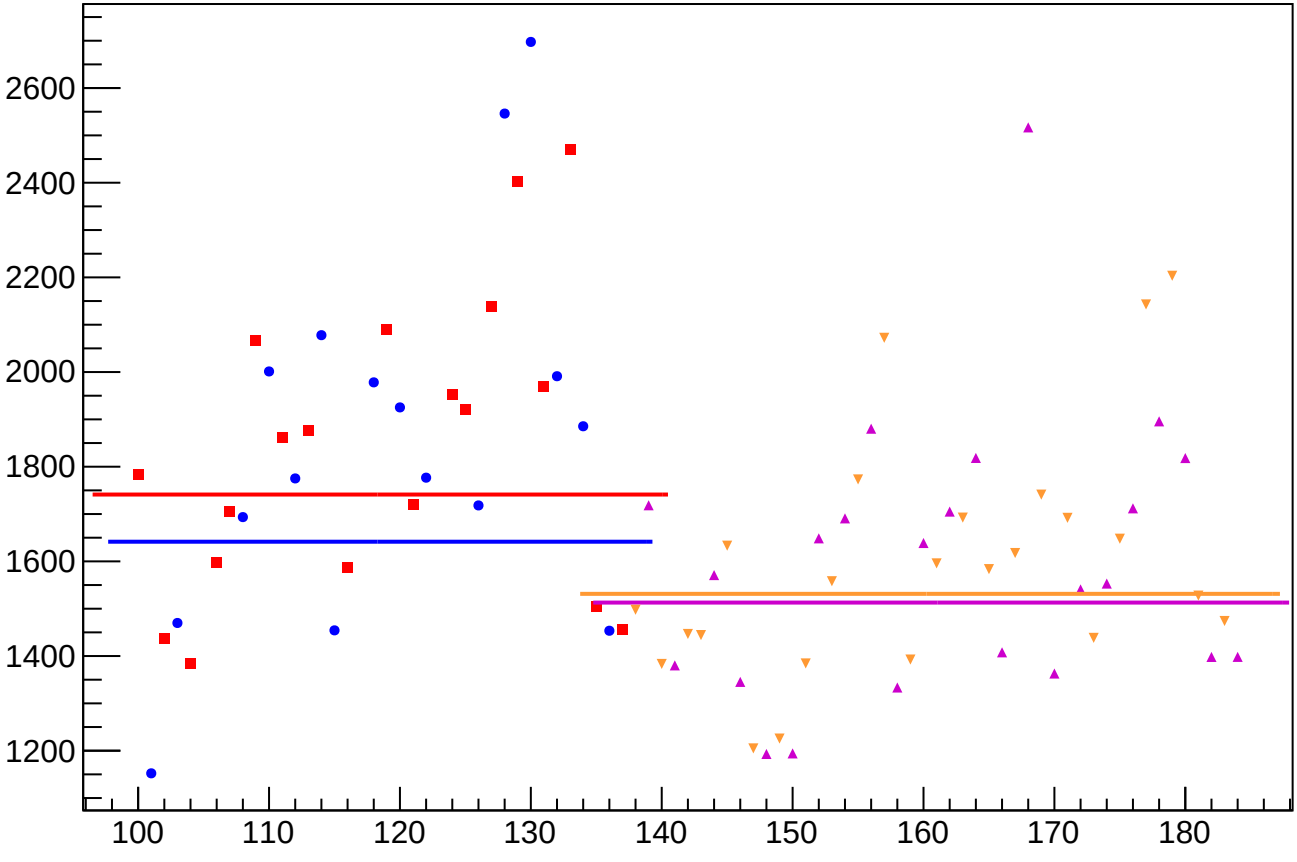
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

\+ sign 496.058+/-309.701 χ^2/NDF: 41.1/39

All: 385.624+/-220.527 χ^2/NDF: 74.8/81

\- sign 272.037+/-314.091 χ^2/NDF: 33.5/41

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1531.382+/-0.252 χ^2/NDF:795221.6/23

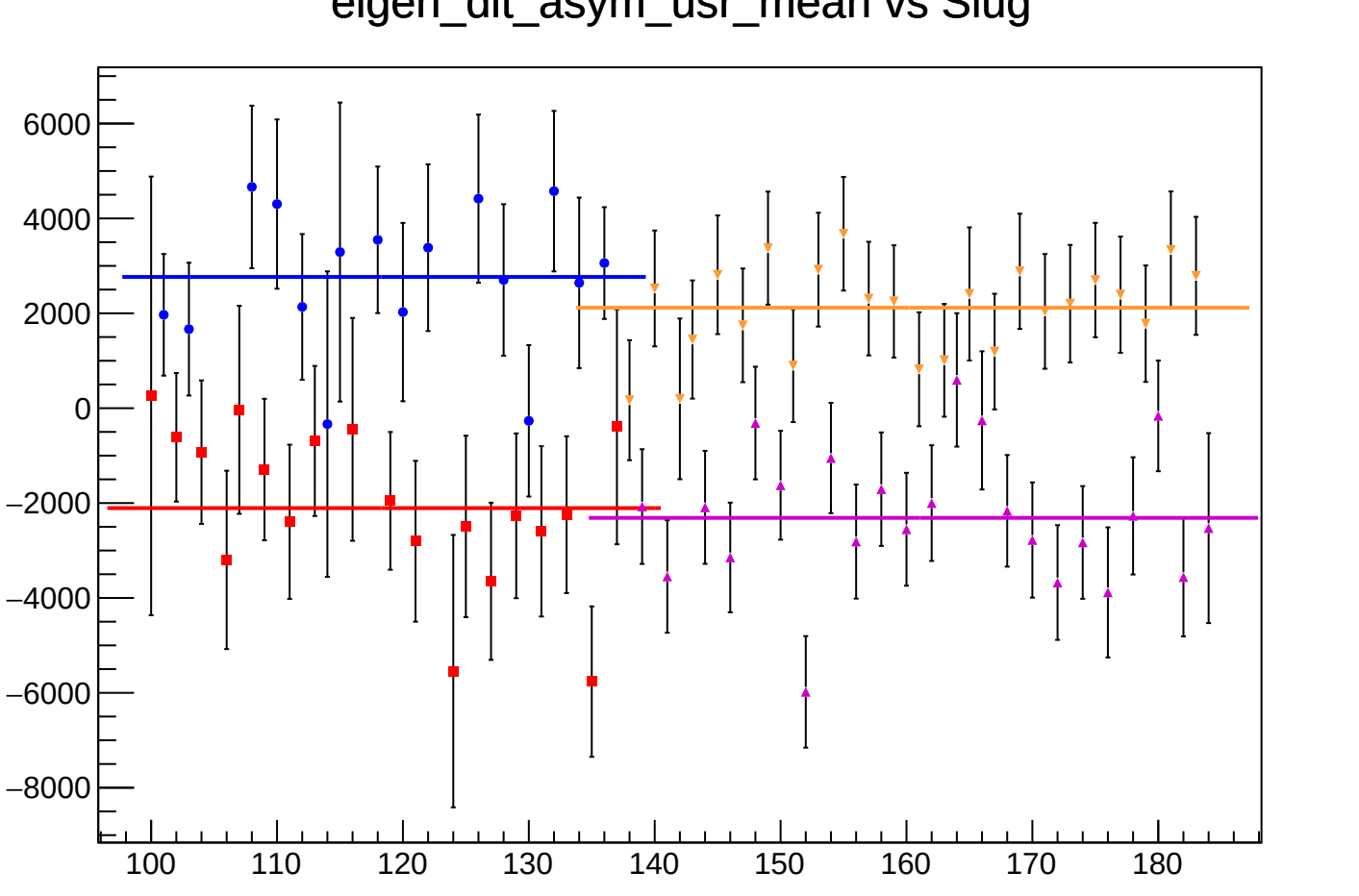
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1558.167+/-0.219 χ^2/NDF: 1543097.2/39

All: 1562.327+/-0.156 χ^2/NDF: 3129157.5/81

- sign 1566.607+/-0.222 χ^2/NDF: 1585328.0/41



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2117.621+/-251.926 χ^2/NDF:13.5/23

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

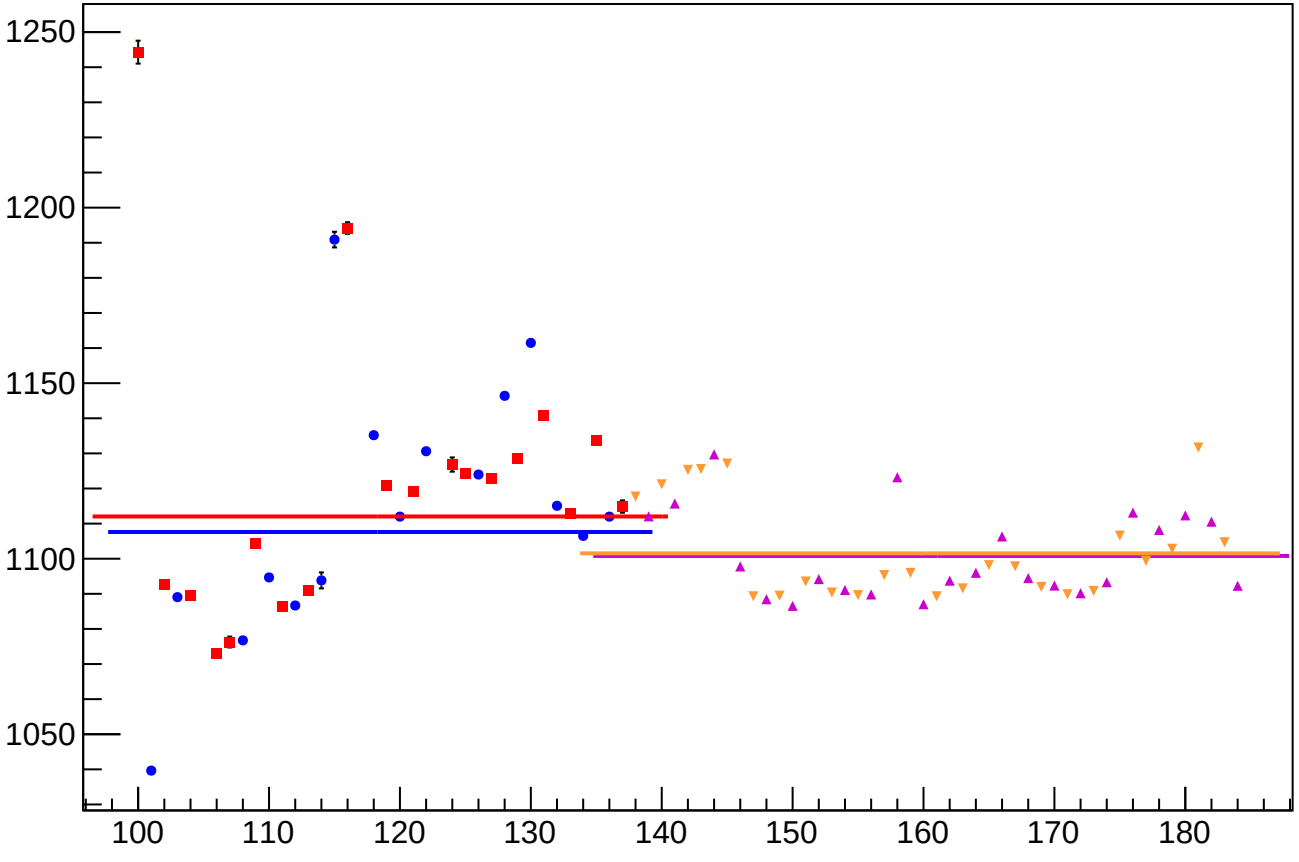
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2294.525+/-214.867 χ^2/NDF: 25.6/39

All: 44.407+/-152.720 χ^2/NDF: 290.7/81

- sign -2252.905+/-217.109 χ^2/NDF: 43.5/41

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

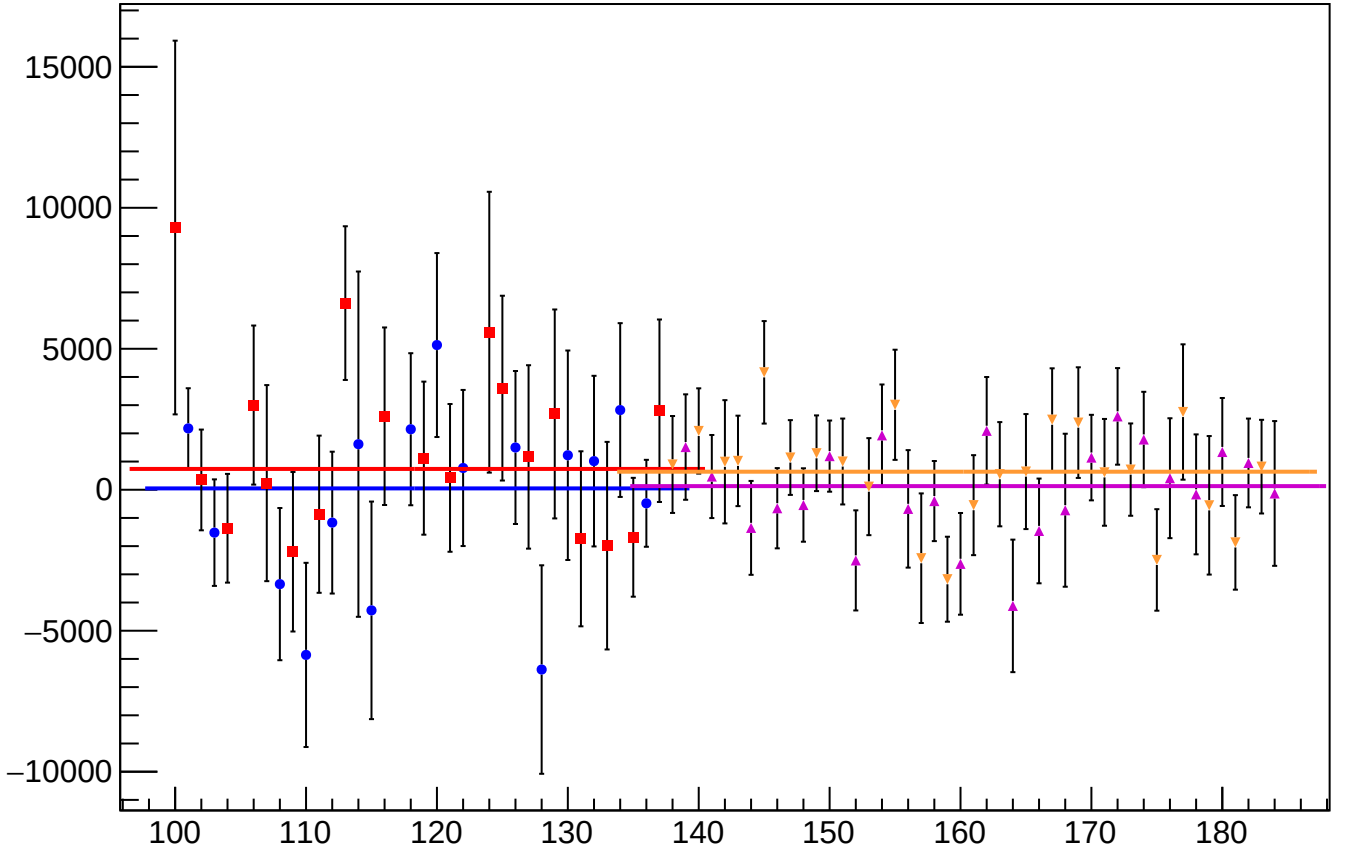
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.185+/-0.152 χ^2/NDF: 19421.2/39

All: 1103.594+/-0.108 χ^2/NDF: 33826.3/81

- sign 1104.012+/-0.154 χ^2/NDF: 14390.4/41

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

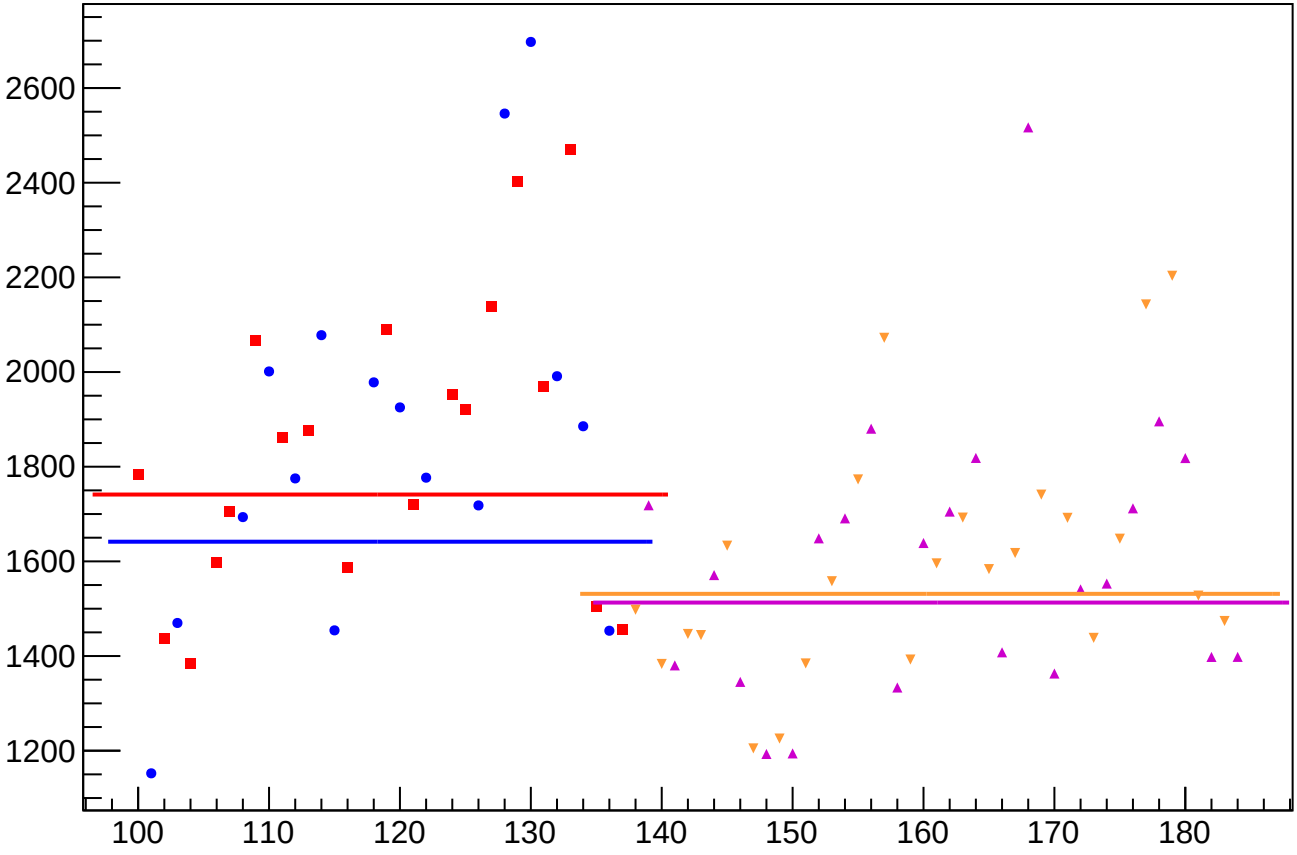
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 496.055+/-309.702 χ^2/NDF: 41.1/39

All: 385.623+/-220.528 χ^2/NDF: 74.8/81

\- sign 272.039+/-314.091 χ^2/NDF: 33.5/41

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

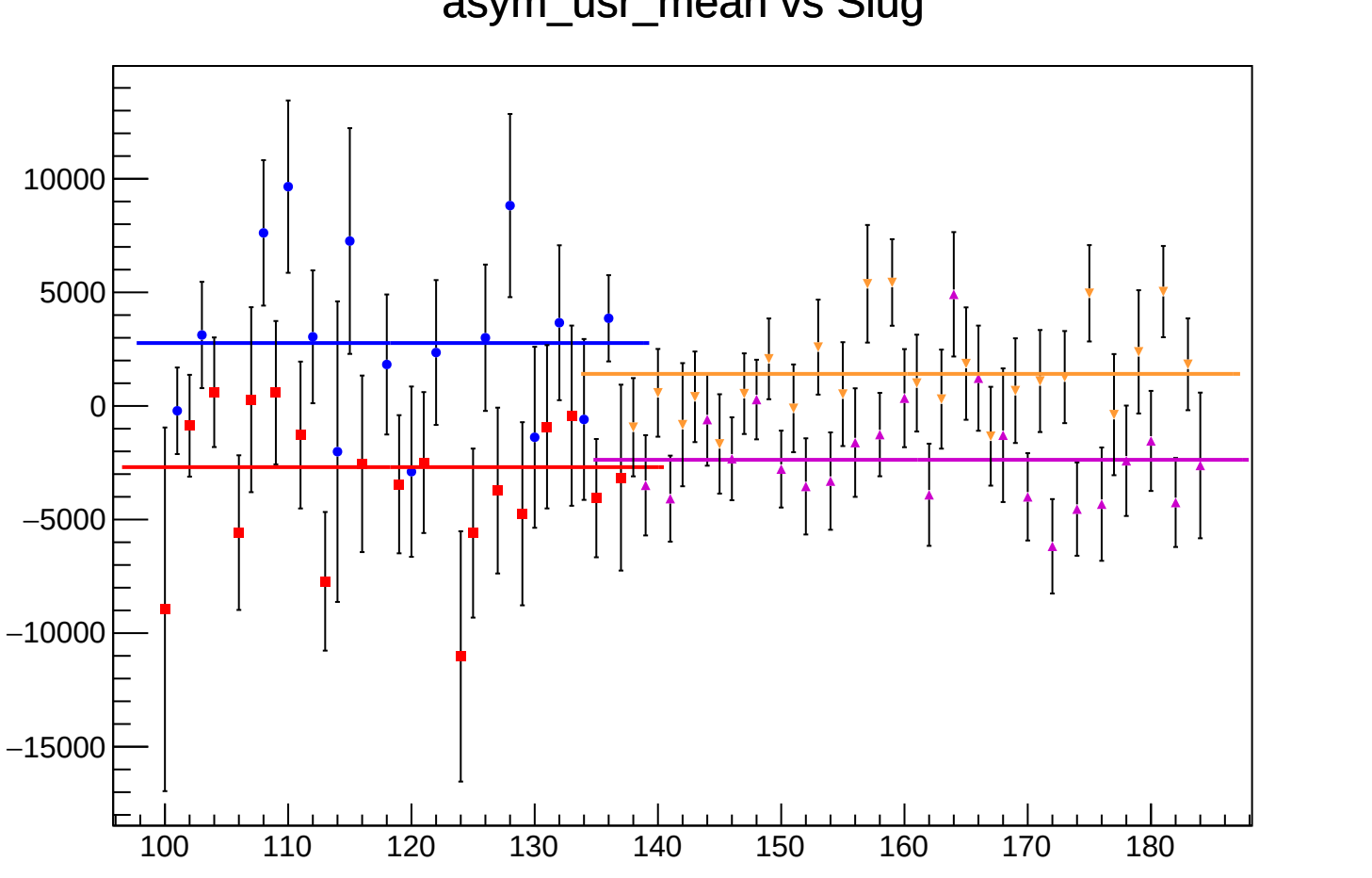
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1558.169+/-0.219 χ^2/NDF: 1543083.9/39

All: 1562.330+/-0.156 χ^2/NDF: 3129129.4/81

- sign 1566.610+/-0.222 χ^2/NDF: 1585313.2/41



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

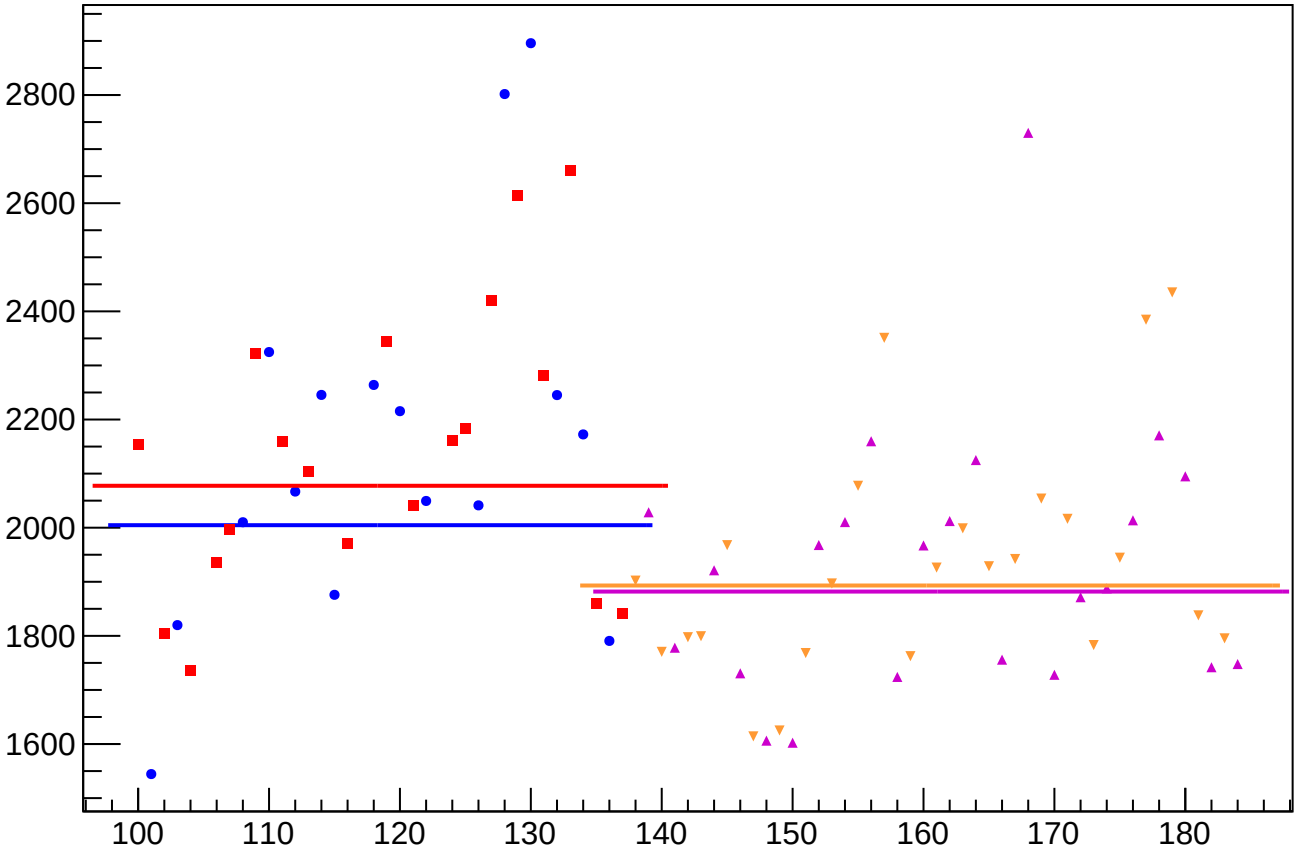
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1750.693+/-378.083 χ^2/NDF: 40.1/39

All: -320.884+/-269.214 χ^2/NDF: 137.4/81

- sign -2451.407+/-383.425 χ^2/NDF: 36.4/41

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

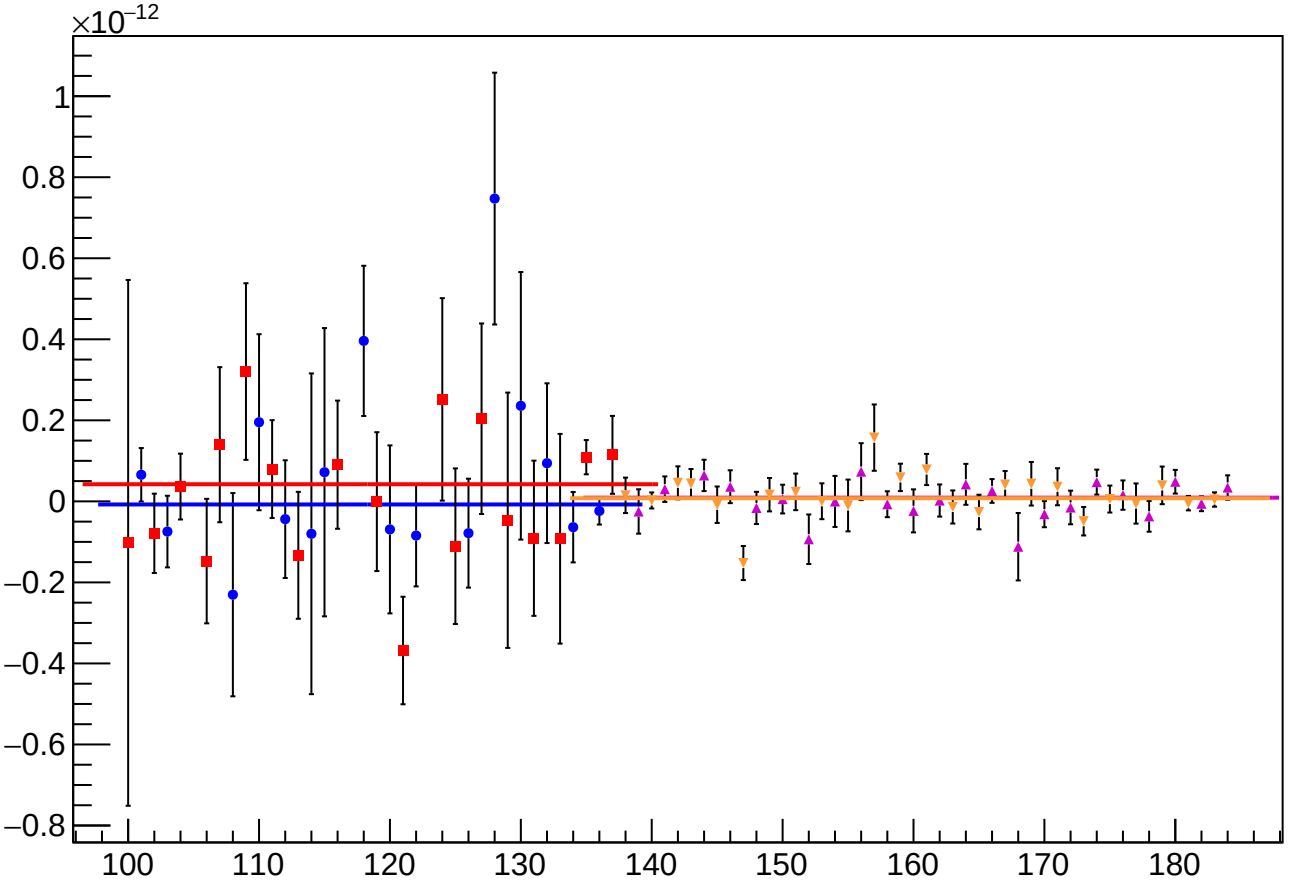
Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1920.923+/-0.267 χ^2/NDF: 809078.3/39

All: 1925.858+/-0.190 χ^2/NDF: 1600696.6/81

- sign 1930.934+/-0.271 χ^2/NDF: 790927.0/41

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

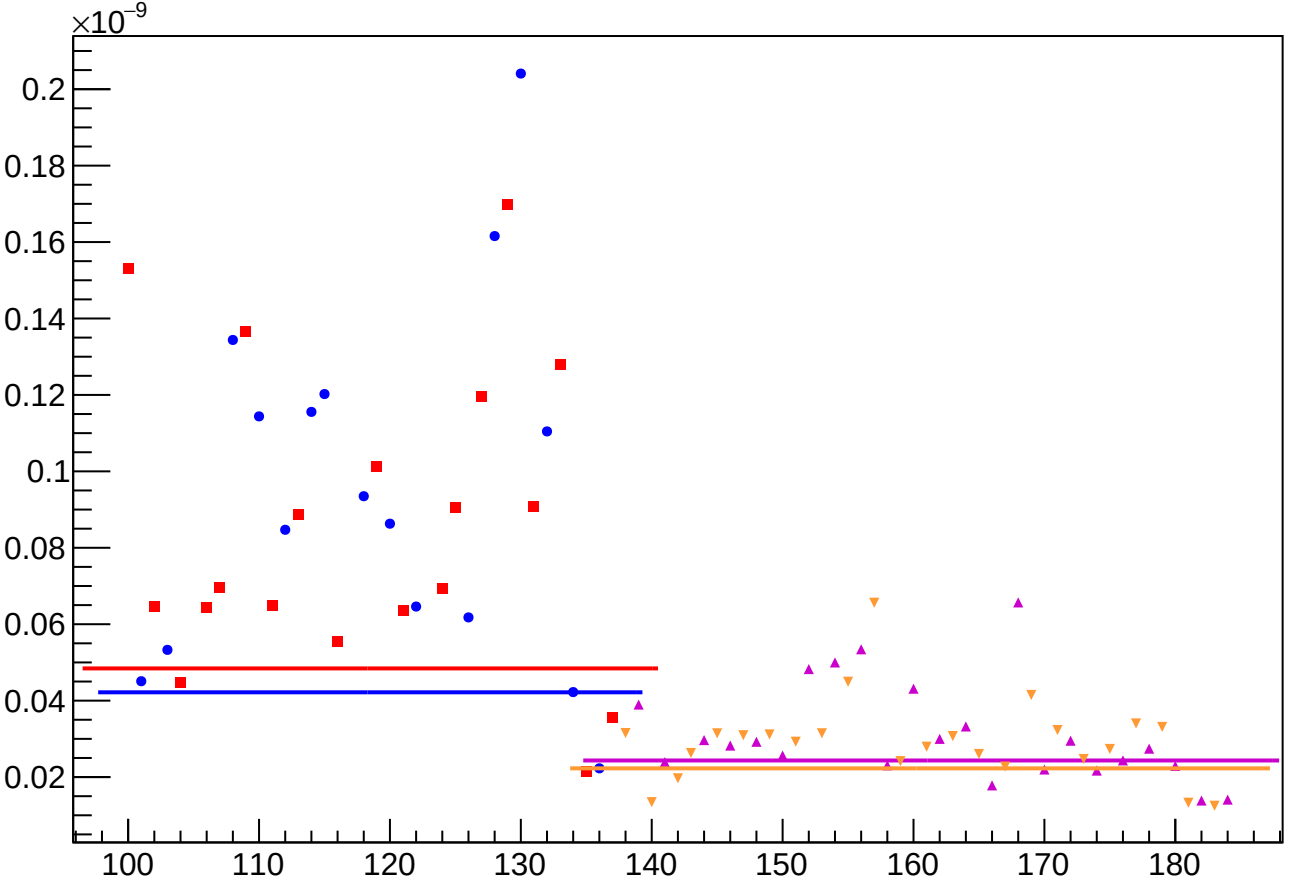
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/39

All: 0.000+/-0.000 χ^2/NDF: 91.6/81

- sign 0.000+/-0.000 χ^2/NDF: 42.2/41

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

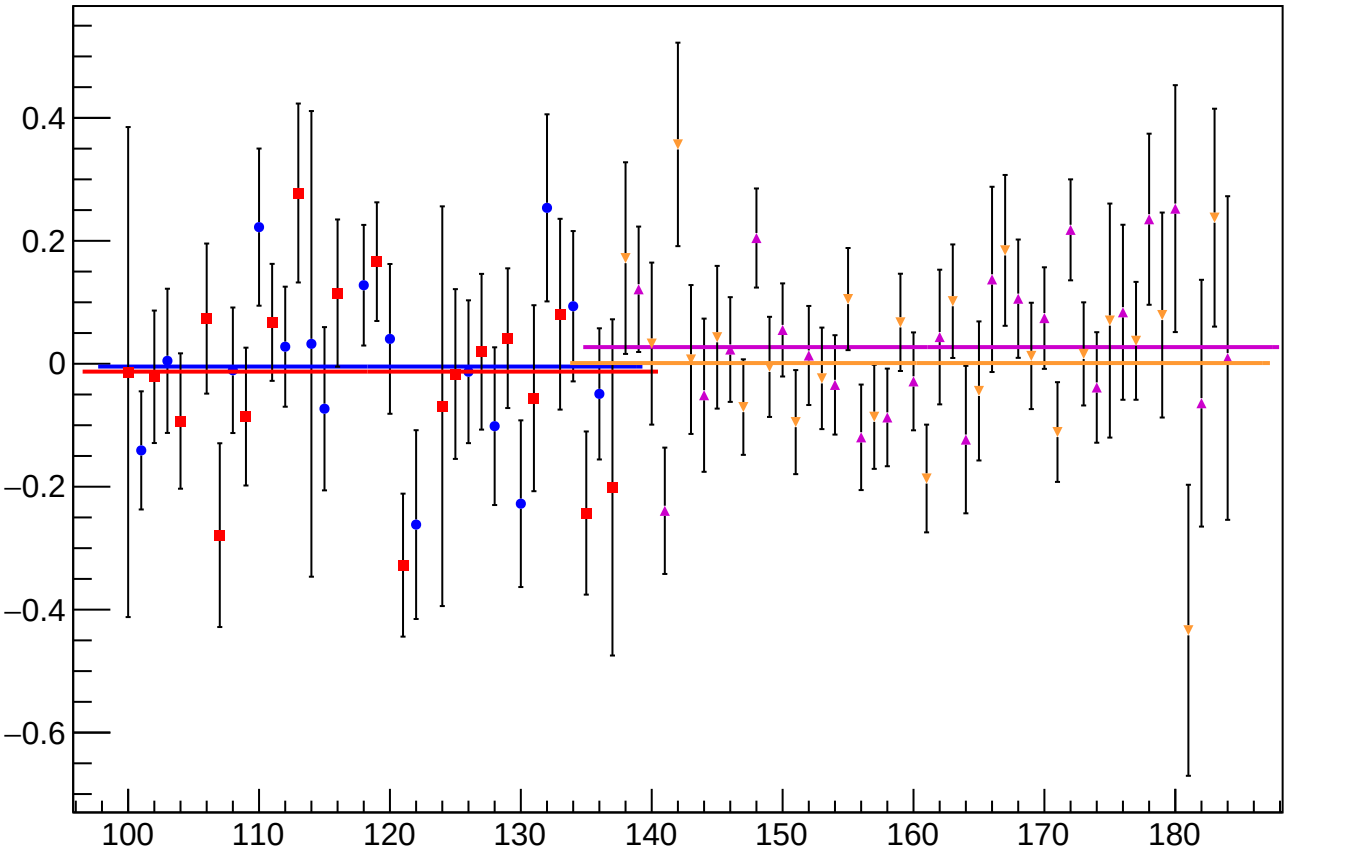
Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7802241.8/39

All: 0.000+/-0.000 χ^2/NDF: 15115625.0/81

- sign 0.000+/-0.000 χ^2/NDF: 7205017.8/41


asym_usr_dit_vs_cor_diff_mean vs Slug
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0.2
0
−0.2
−0.4
−0.6
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110
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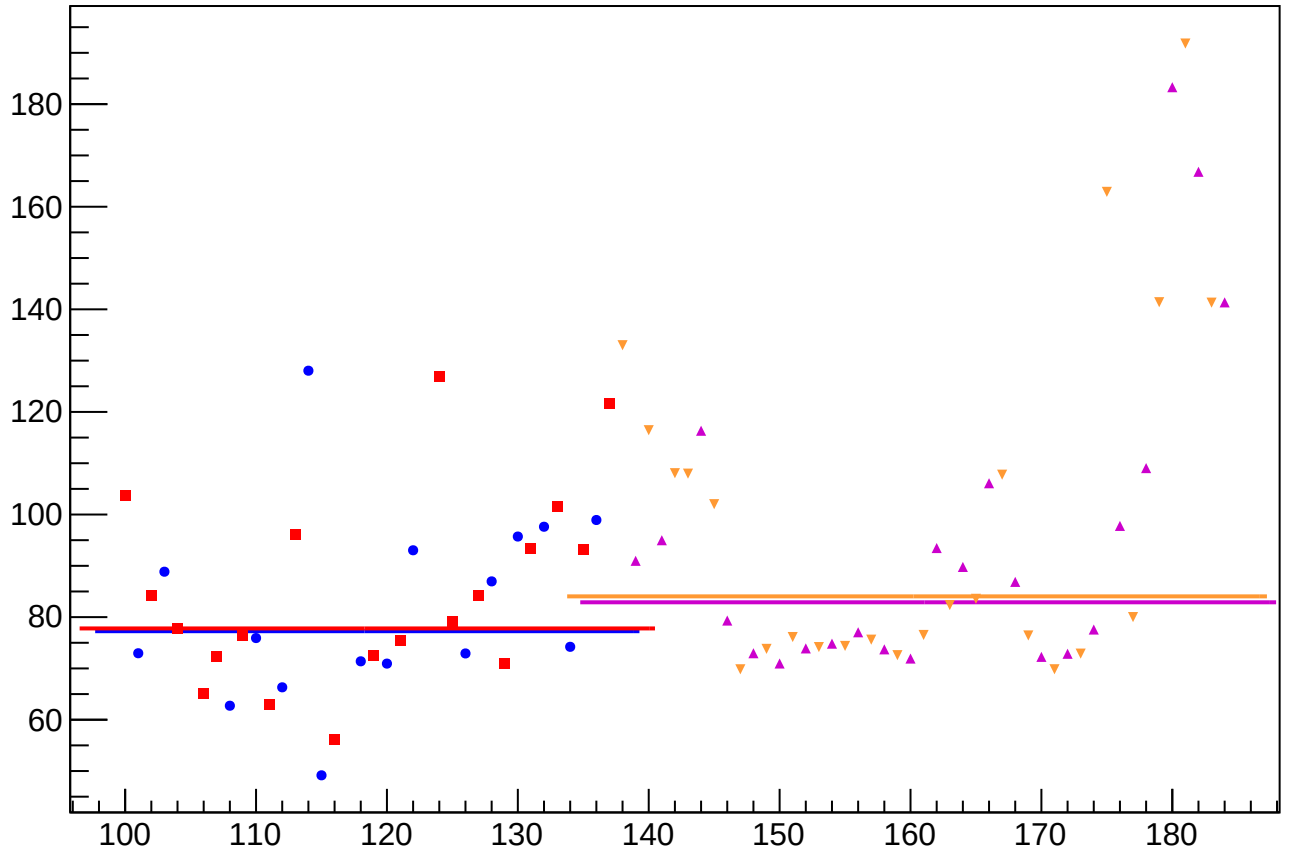
130
140
150
160
170
180
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.001+/-0.021 χ²/NDF:27.4/23
Right Out: -0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign -0.001+/-0.017 χ²/NDF: 44.7/39
All: 0.007+/-0.012 χ²/NDF: 103.7/81
- sign 0.014+/-0.017 χ²/NDF: 58.6/41



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

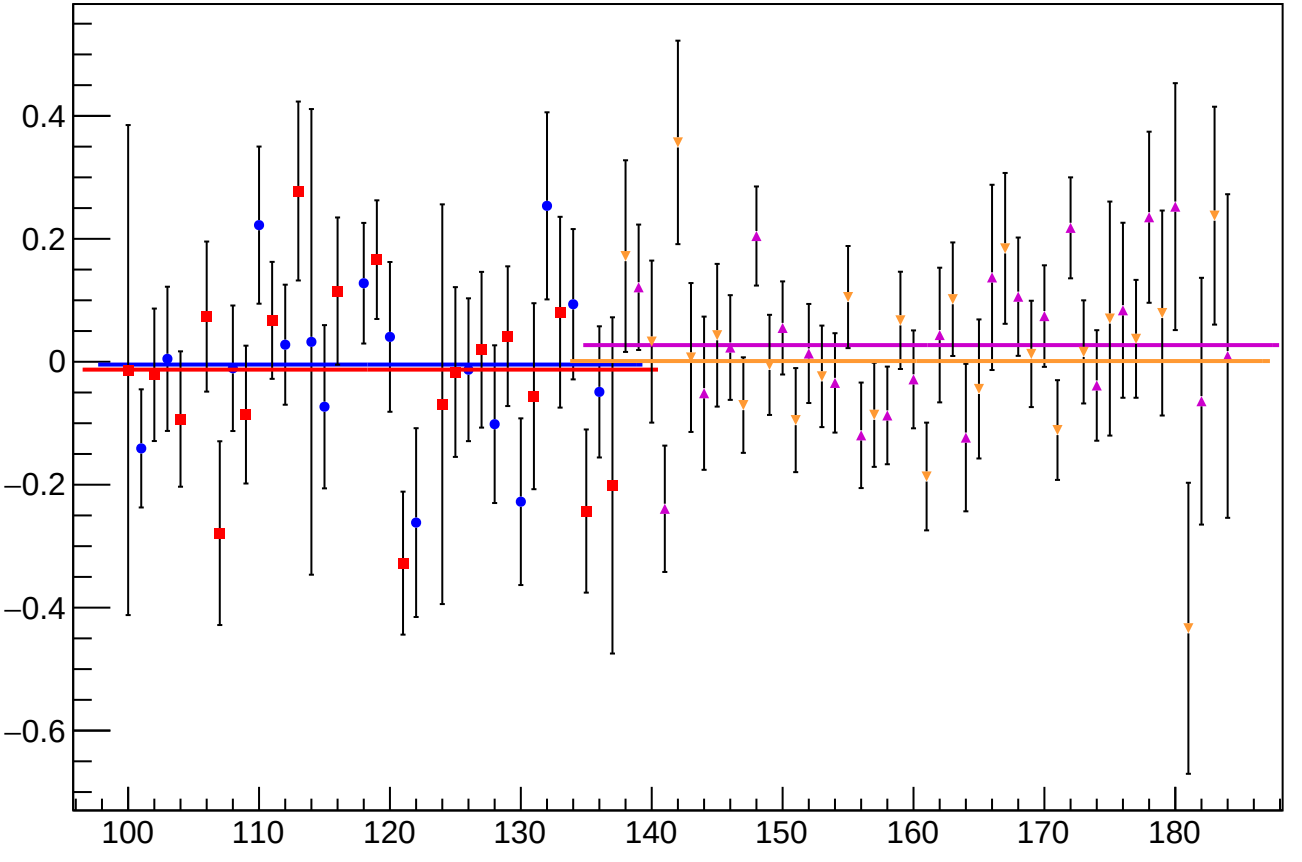
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.883+/-0.012 χ^2/NDF: 2617257.2/39

All: 81.562+/-0.008 χ^2/NDF: 4627915.8/81

- sign 81.243+/-0.012 χ^2/NDF: 2009230.7/41

asym_usr_dit_vs_eigen_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

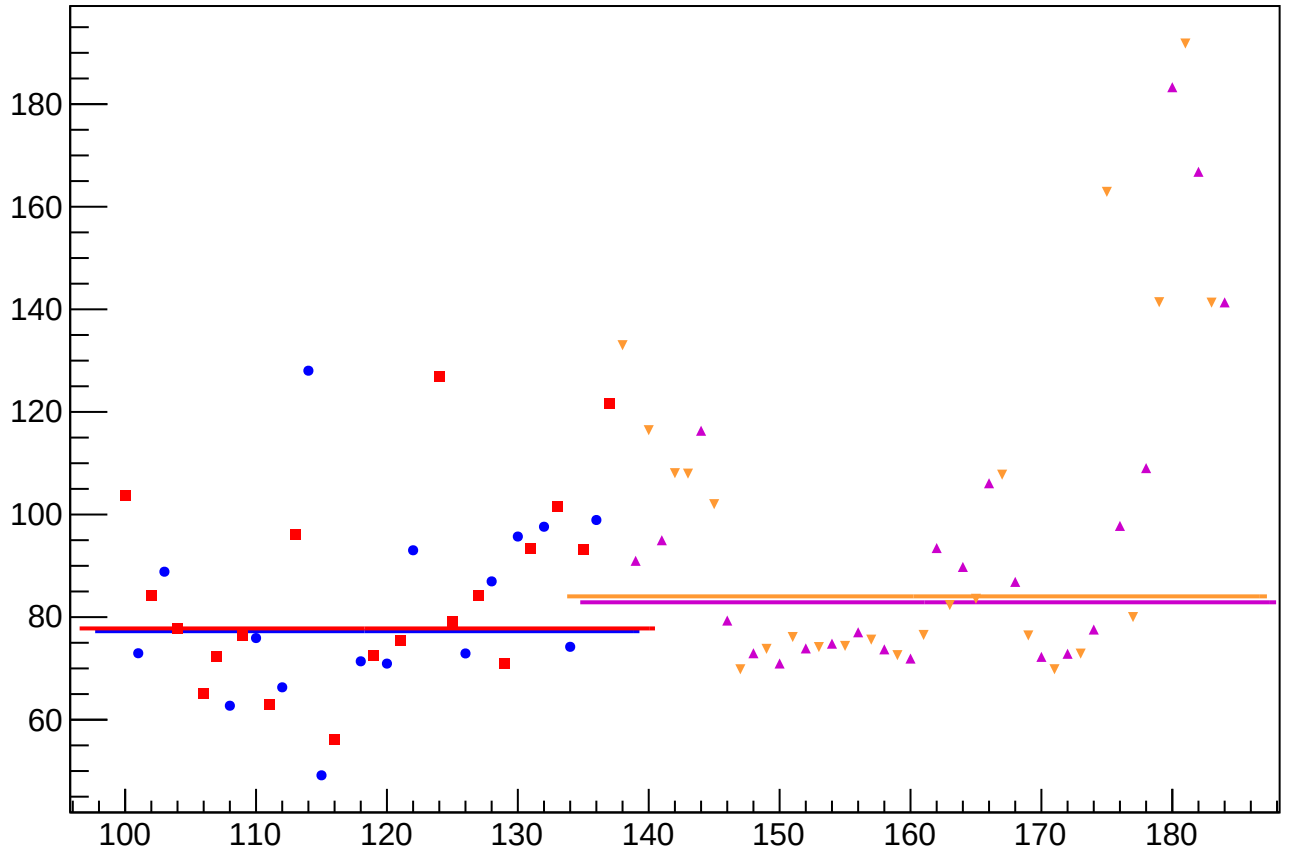
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.017 χ^2/NDF: 44.7/39

All: 0.007+/-0.012 χ^2/NDF: 103.7/81

- sign 0.014+/-0.017 χ^2/NDF: 58.6/41



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128434.9/23

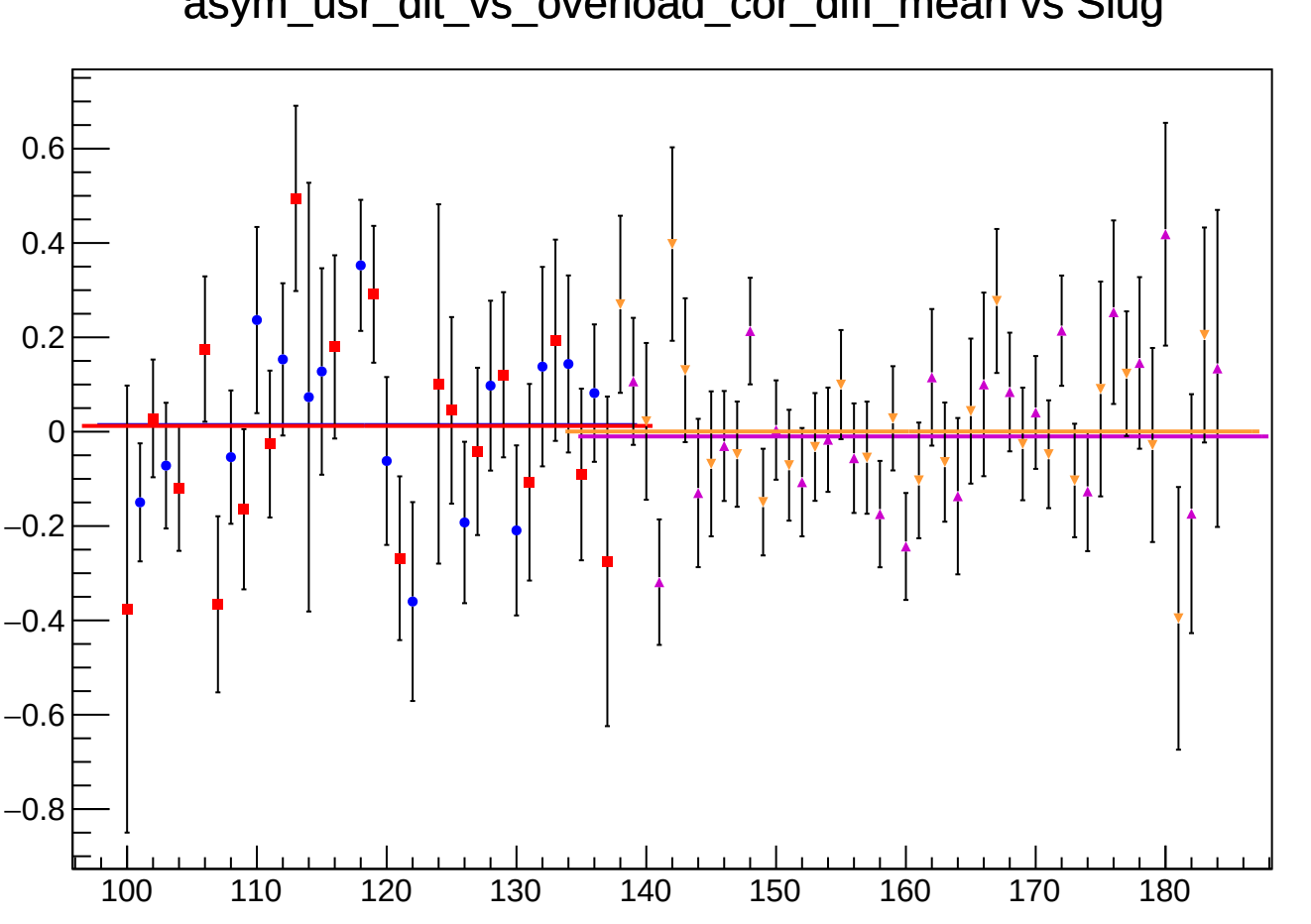
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.883+/-0.012 χ^2/NDF: 2617257.2/39

All: 81.562+/-0.008 χ^2/NDF: 4627915.8/81

- sign 81.243+/-0.012 χ^2/NDF: 2009230.7/41



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

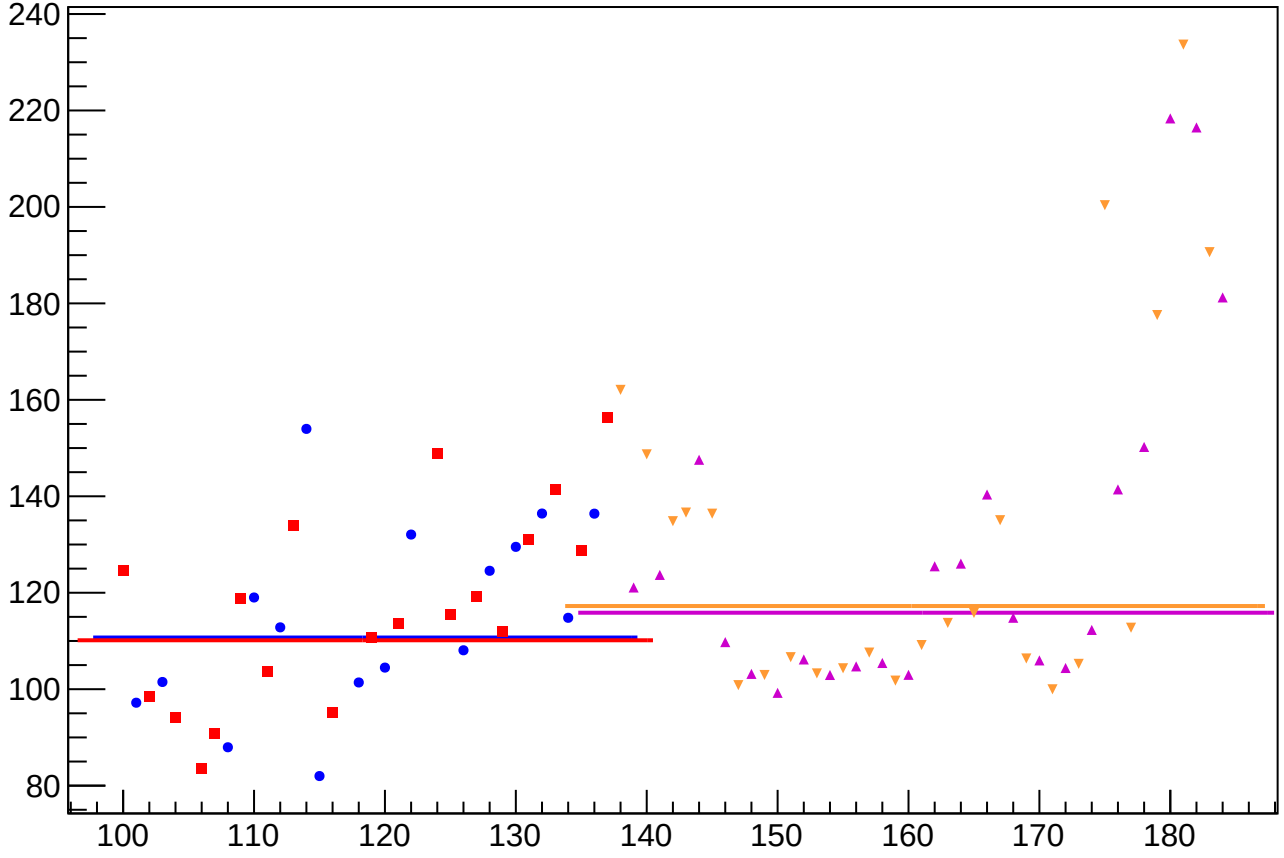
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.005+/-0.023 χ^2/NDF: 37.6/39

All: 0.001+/-0.016 χ^2/NDF: 92.9/81

- sign -0.003+/-0.023 χ^2/NDF: 55.3/41

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

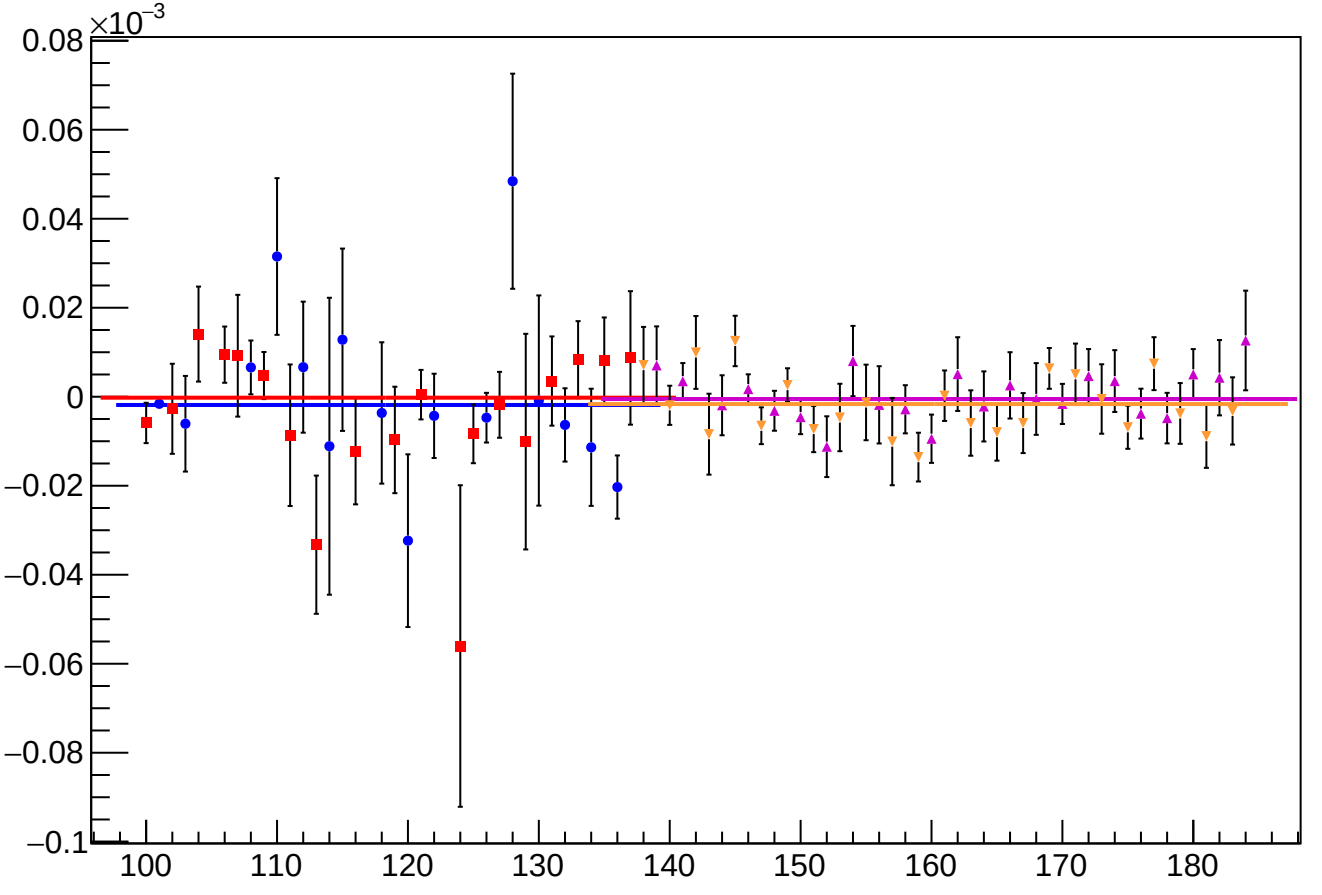
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 115.249+/-0.017 χ^2/NDF: 1913153.1/39

All: 114.645+/-0.012 χ^2/NDF: 3500039.7/81

- sign 114.045+/-0.016 χ^2/NDF: 1584220.7/41

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.8/23

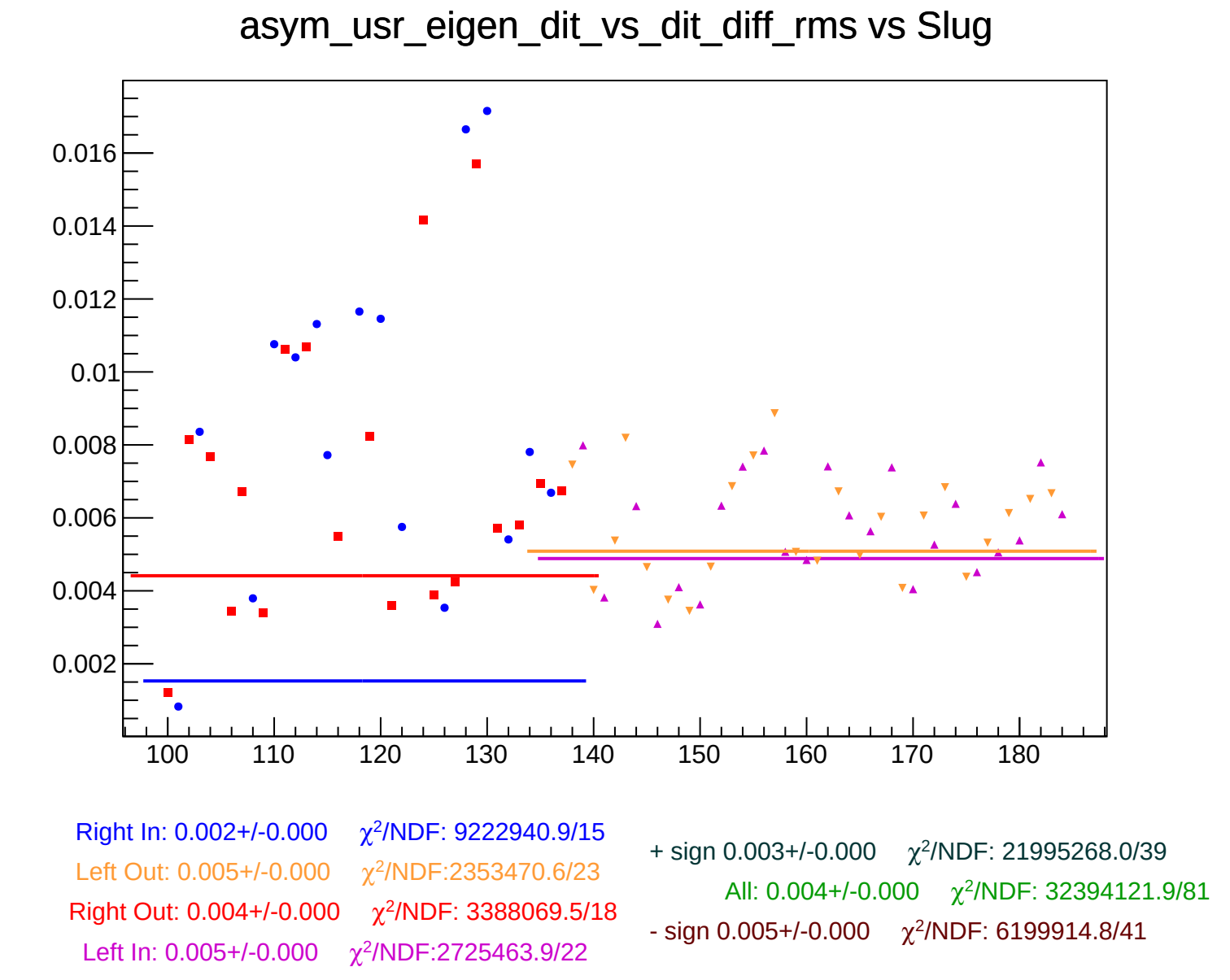
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

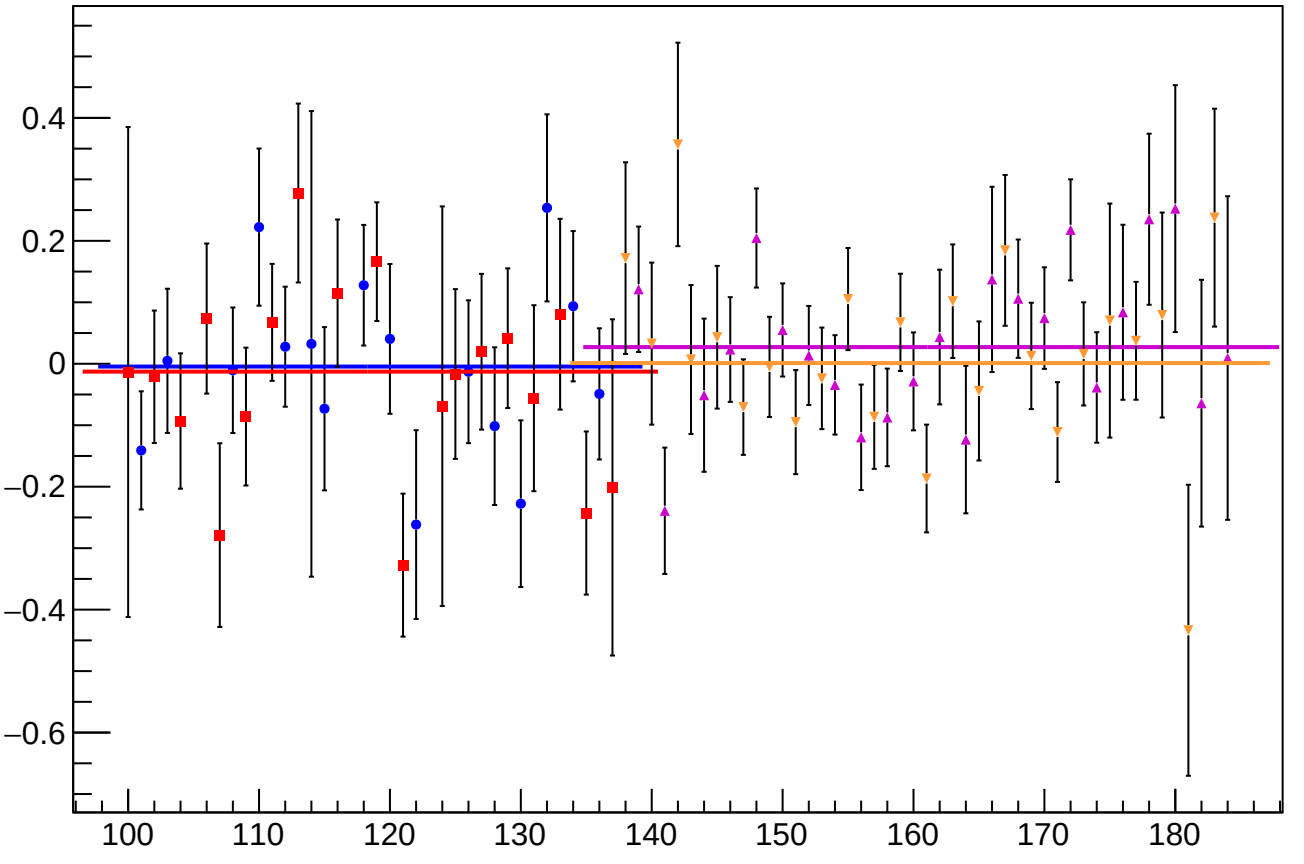
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.2/39

All: -0.000+/-0.000 χ^2/NDF: 87.9/81

- sign -0.000+/-0.000 χ^2/NDF: 35.5/41


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:2725463.9/22
+ sign 0.003+/-0.000 χ²/NDF: 21995268.0/39
All: 0.004+/-0.000 χ²/NDF: 32394121.9/81
- sign 0.005+/-0.000 χ²/NDF: 6199914.8/41



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:27.4/23

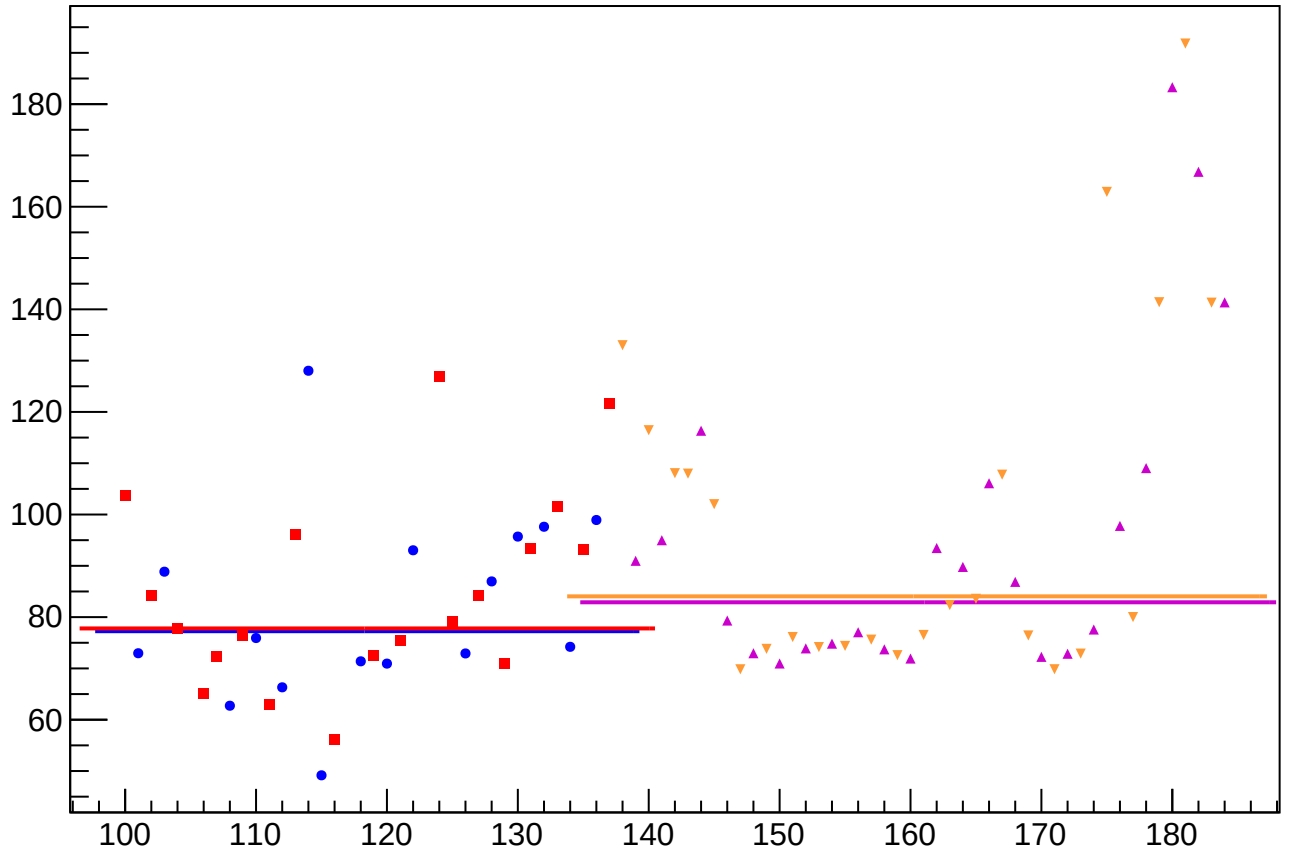
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.017 χ^2/NDF: 44.7/39

All: 0.007+/-0.012 χ^2/NDF: 103.7/81

- sign 0.014+/-0.017 χ^2/NDF: 58.6/41



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128430.6/23

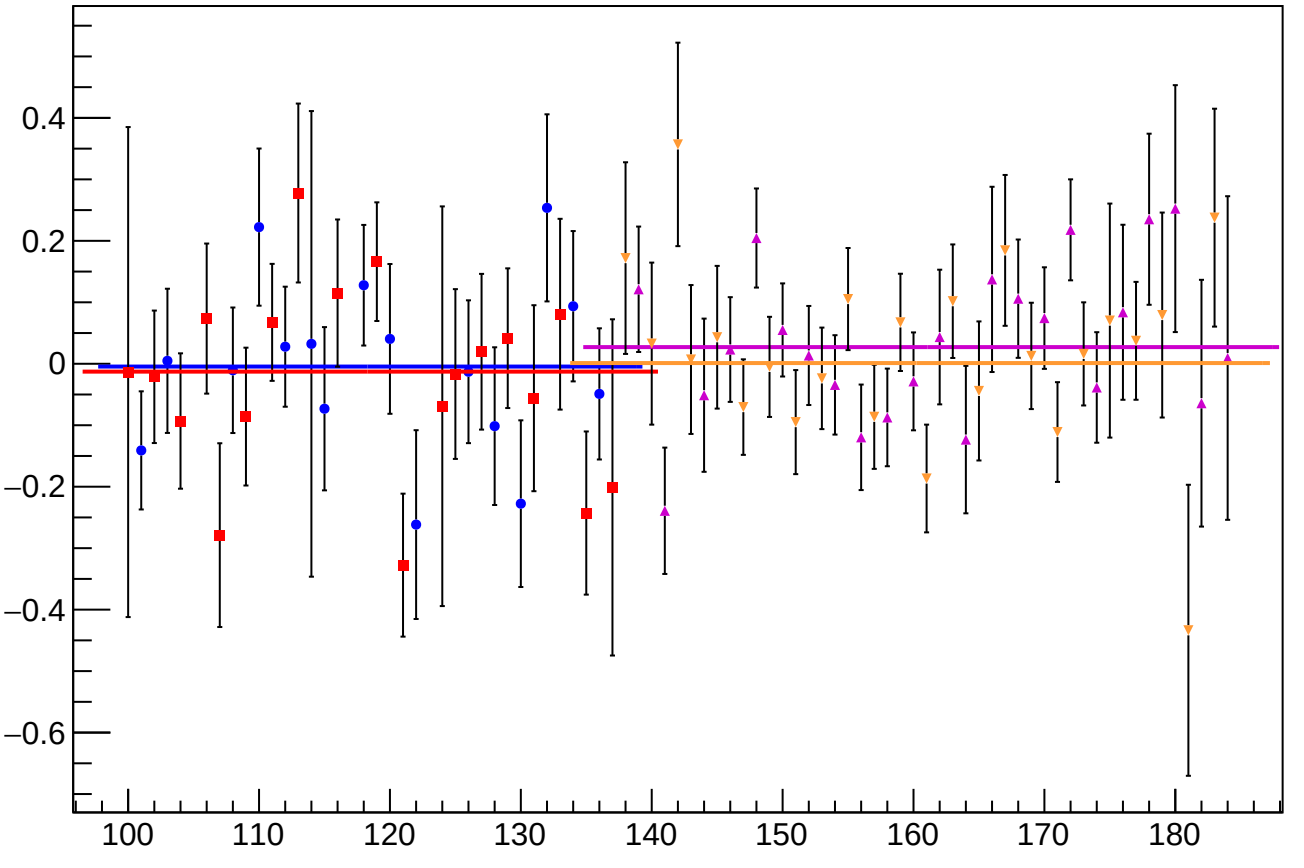
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.883+/-0.012 χ^2/NDF: 2617286.6/39

All: 81.562+/-0.008 χ^2/NDF: 4627953.8/81

- sign 81.243+/-0.012 χ^2/NDF: 2009238.8/41



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:27.4/23

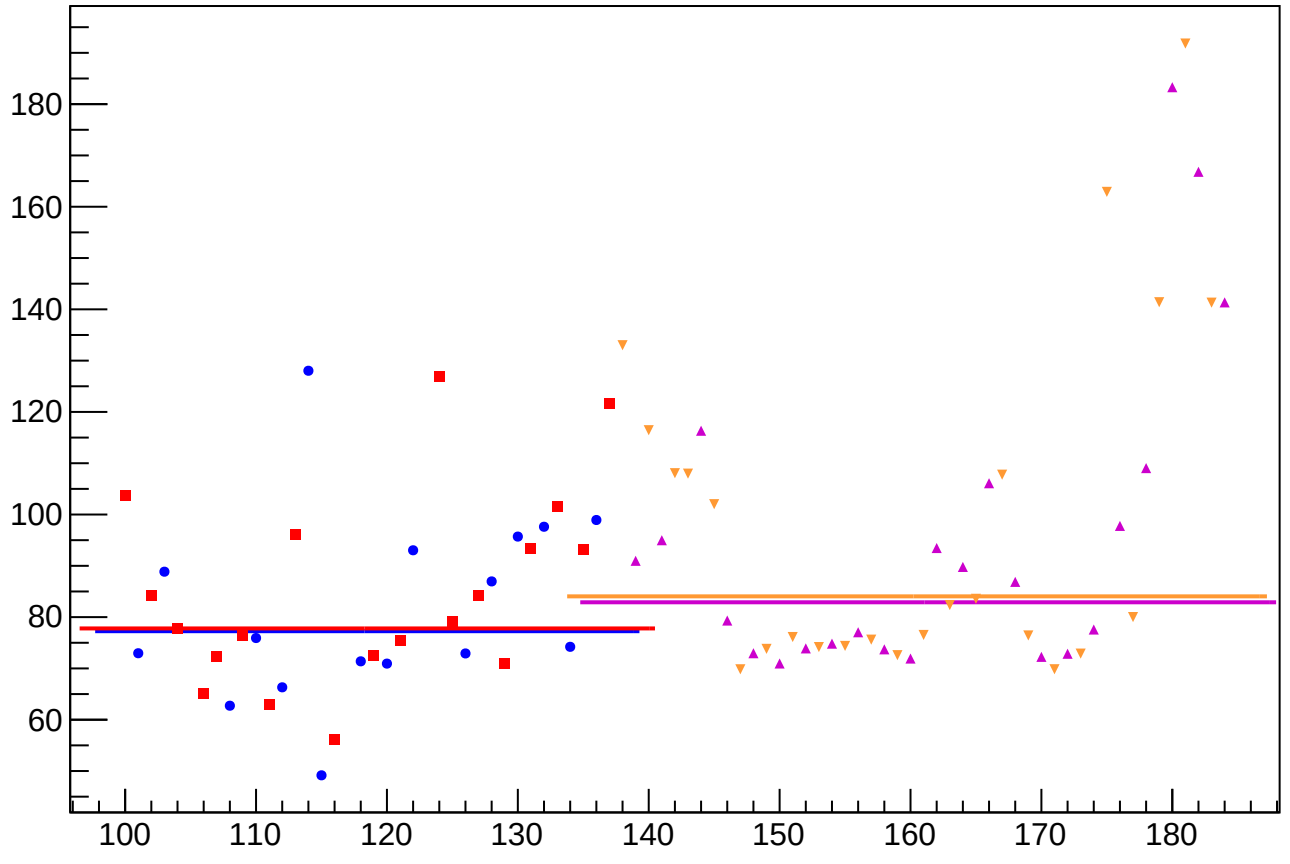
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.017 χ^2/NDF: 44.7/39

All: 0.007+/-0.012 χ^2/NDF: 103.7/81

- sign 0.014+/-0.017 χ^2/NDF: 58.6/41



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 84.048+/-0.015 χ^2/NDF:2128430.6/23

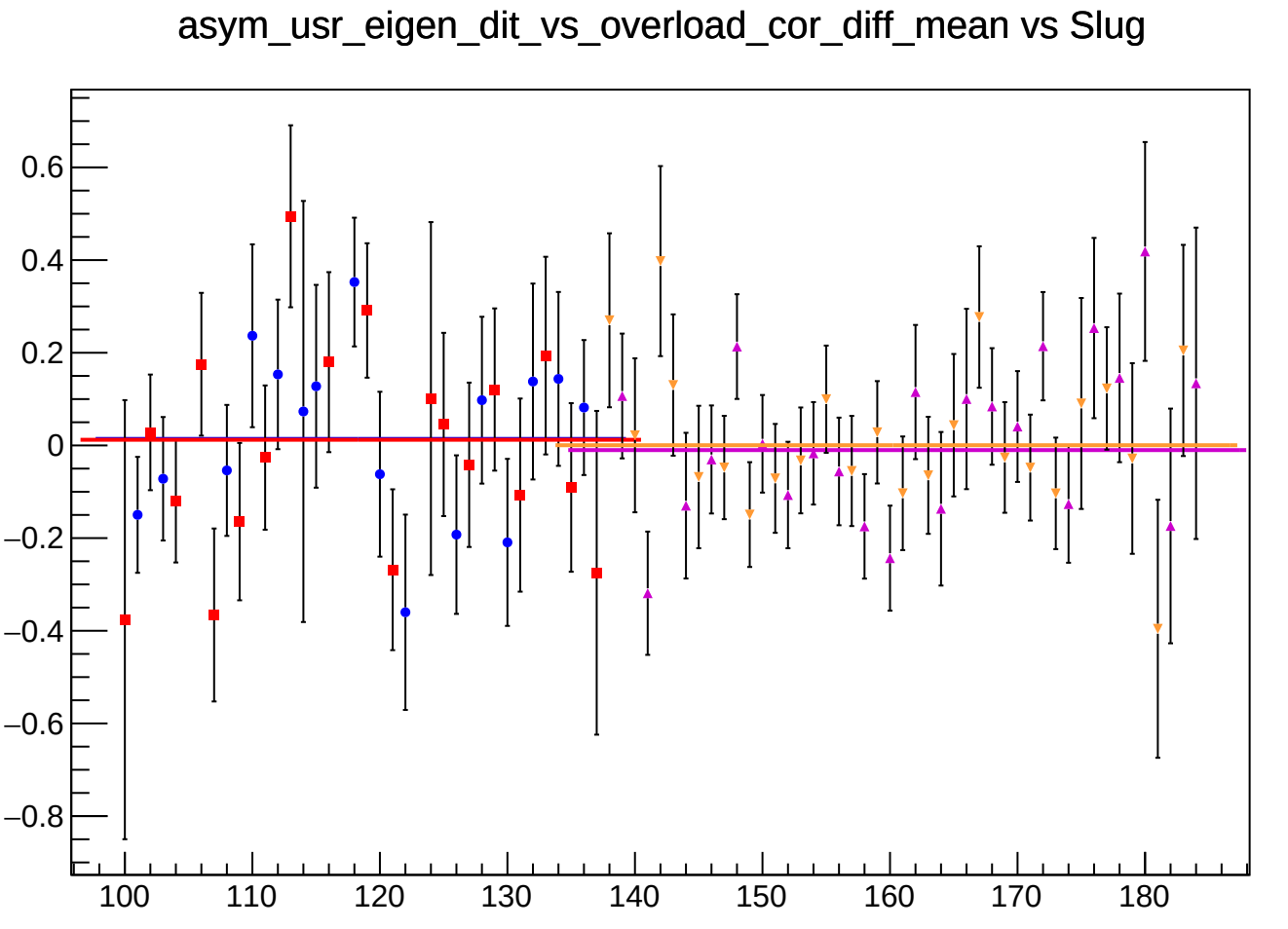
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.883+/-0.012 χ^2/NDF: 2617286.6/39

All: 81.562+/-0.008 χ^2/NDF: 4627953.8/81

- sign 81.243+/-0.012 χ^2/NDF: 2009238.8/41



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.028 χ^2/NDF:19.4/23

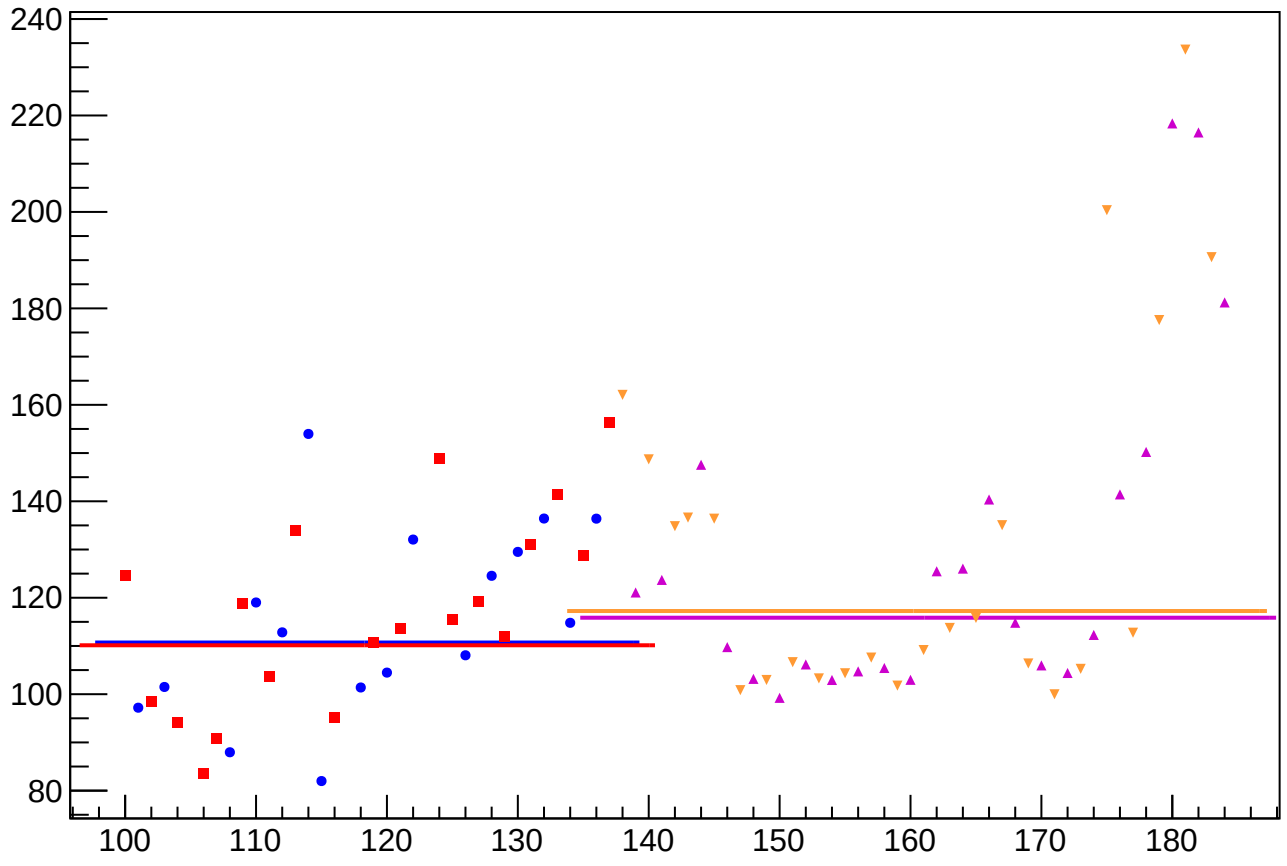
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.005+/-0.023 χ^2/NDF: 37.6/39

All: 0.001+/-0.016 χ^2/NDF: 92.9/81

- sign -0.003+/-0.023 χ^2/NDF: 55.3/41



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

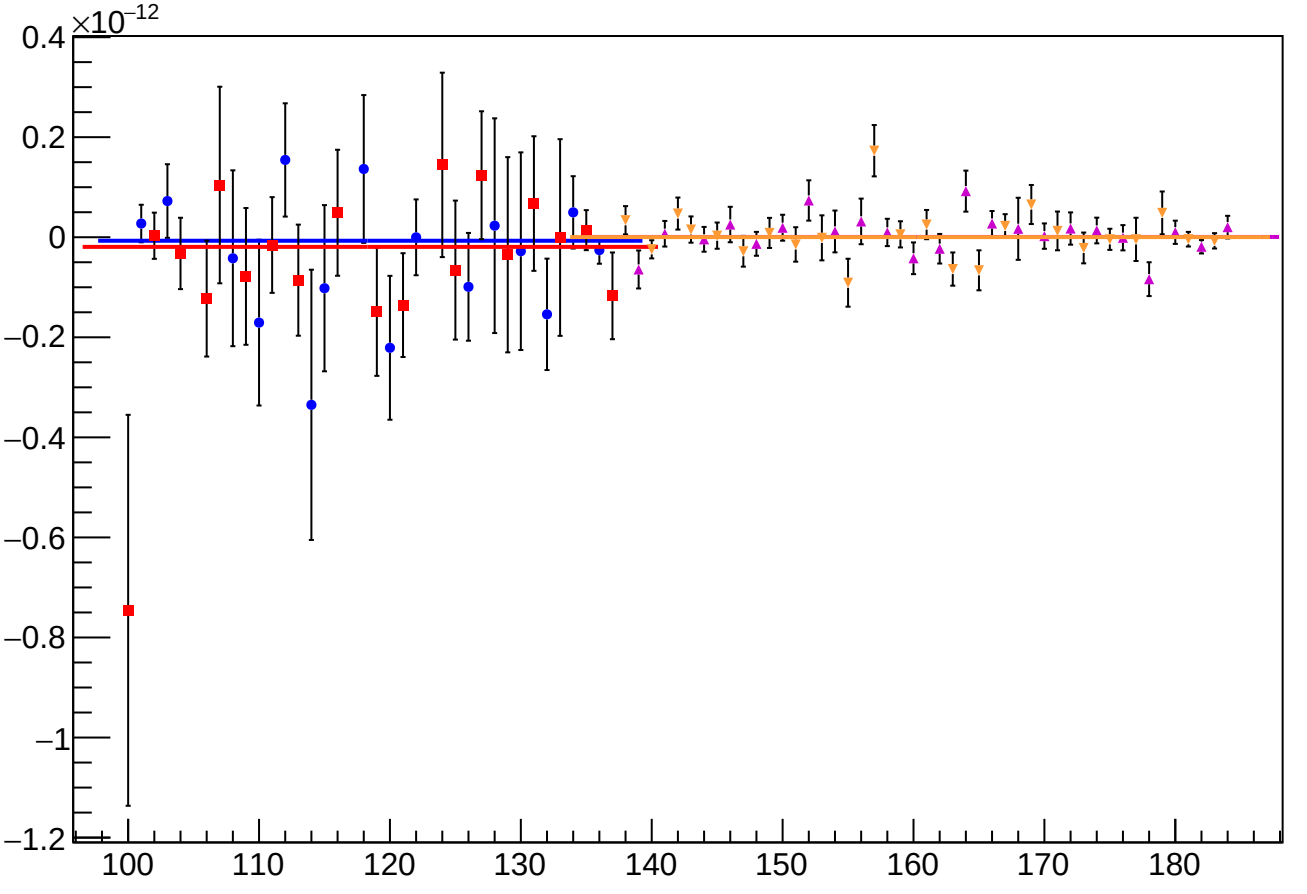
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 115.249+/-0.017 χ^2/NDF: 1913137.2/39

All: 114.644+/-0.012 χ^2/NDF: 3499994.7/81

- sign 114.045+/-0.016 χ^2/NDF: 1584191.2/41

asym_usr_eigen_cor_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:35.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

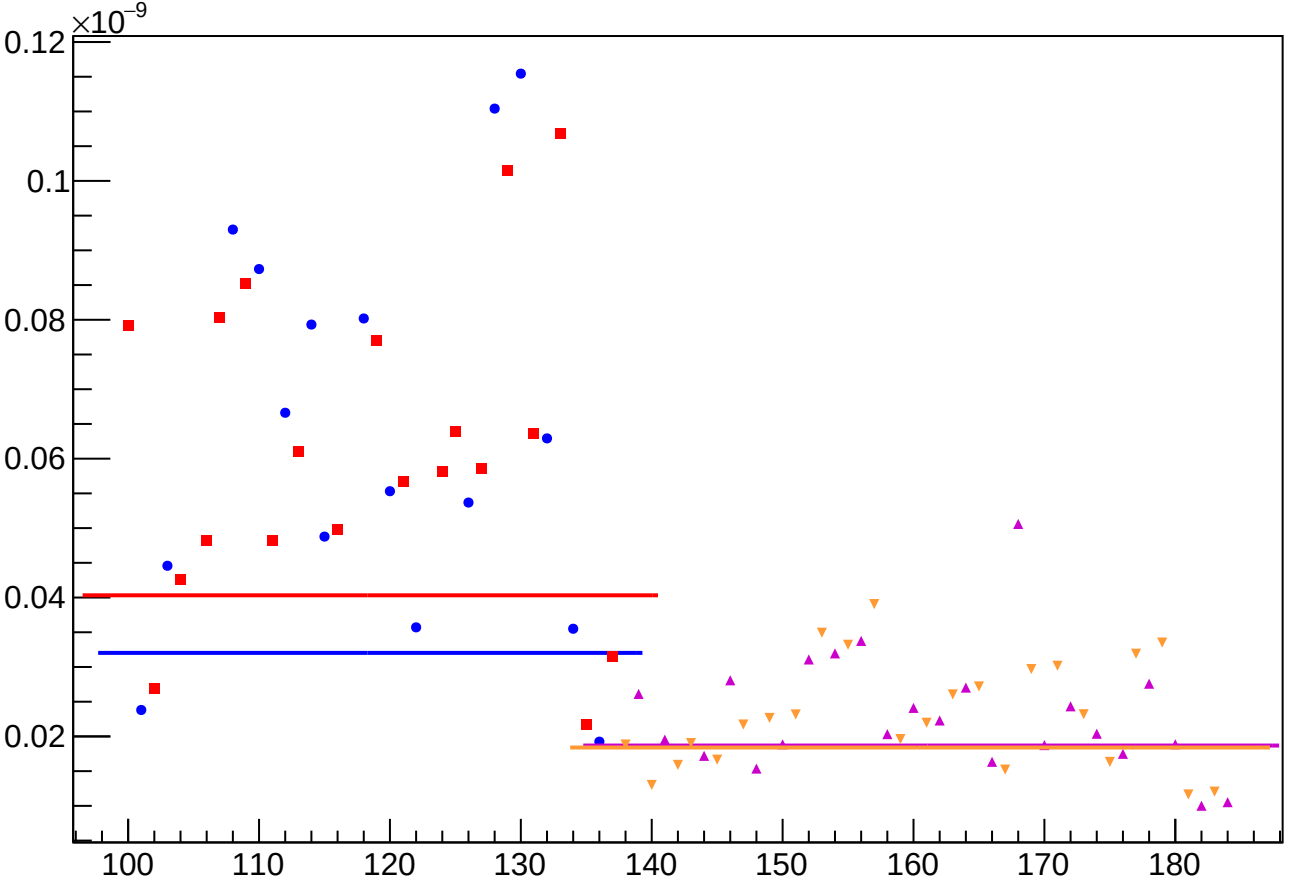
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

\+ sign -0.000+/-0.000 χ^2/NDF: 48.7/39

All: -0.000+/-0.000 χ^2/NDF: 88.9/81

\- sign -0.000+/-0.000 χ^2/NDF: 40.2/41

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

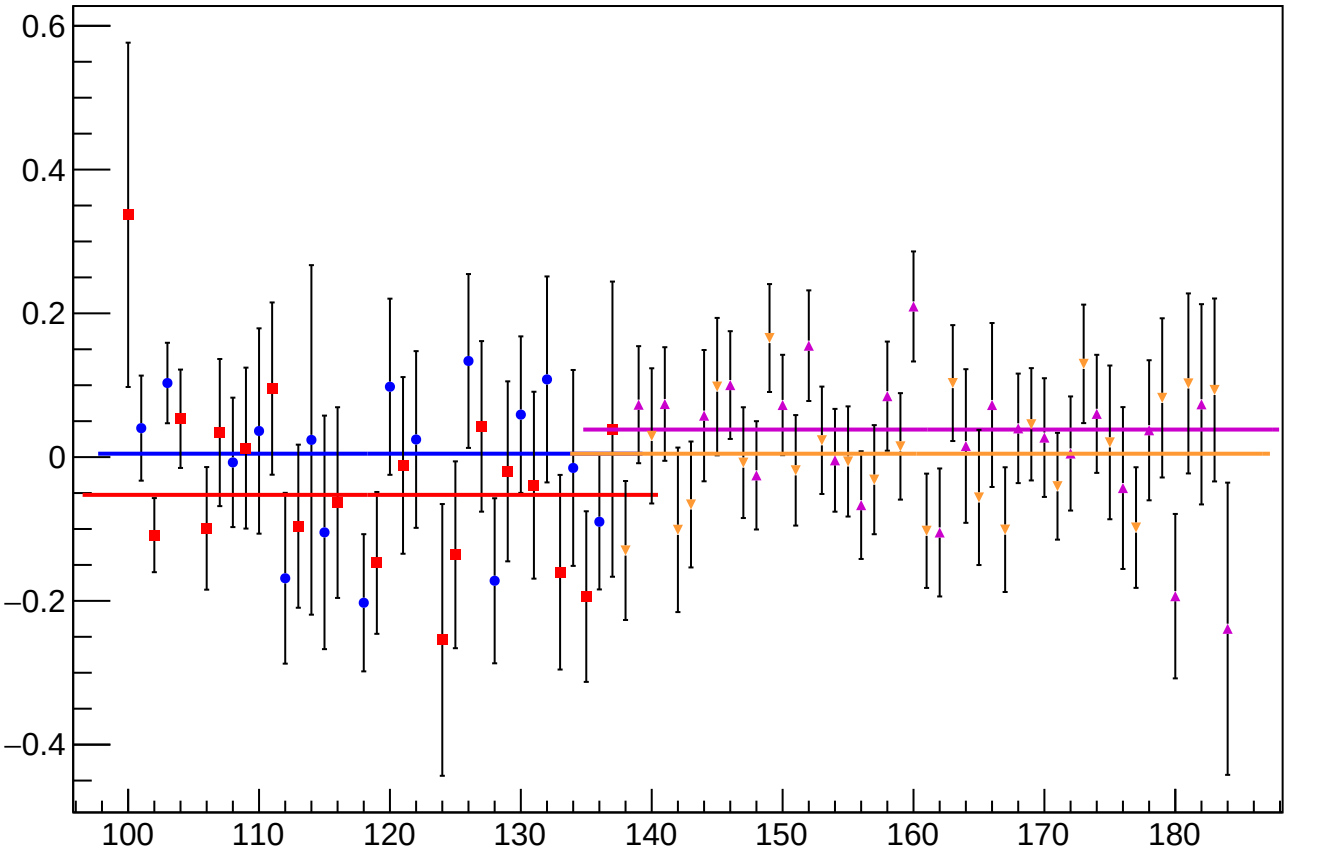
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6511817.5/39

All: 0.000+/-0.000 χ^2/NDF: 13256776.7/81

- sign 0.000+/-0.000 χ^2/NDF: 6734223.4/41



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.018 χ^2/NDF:20.8/23

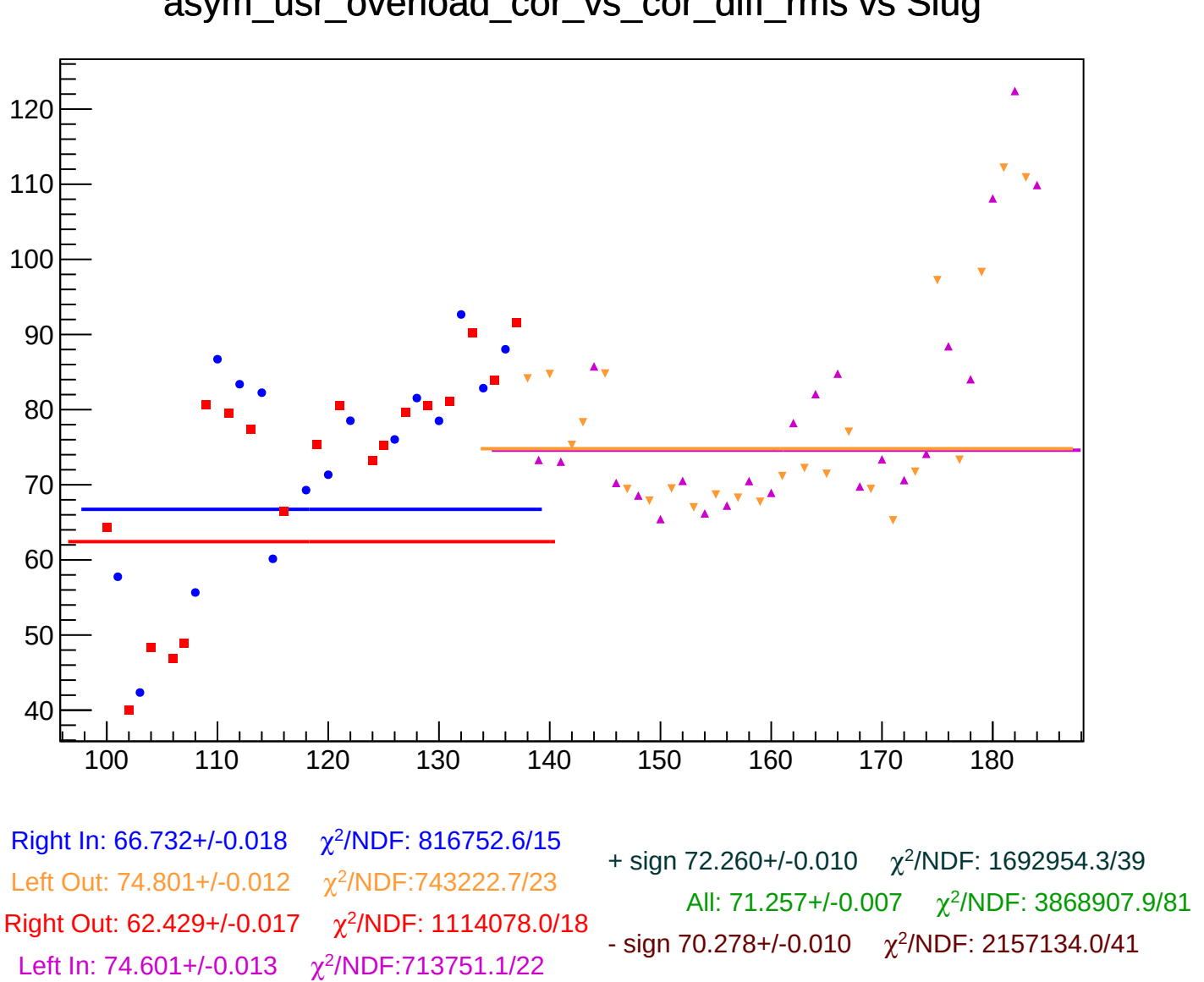
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.005+/-0.015 χ^2/NDF: 37.4/39

All: 0.005+/-0.010 χ^2/NDF: 83.0/81

- sign 0.006+/-0.014 χ^2/NDF: 45.6/41


asym_usr_overload_cor_vs_cor_diff_rms vs Slug
120
110
100
90
80
70
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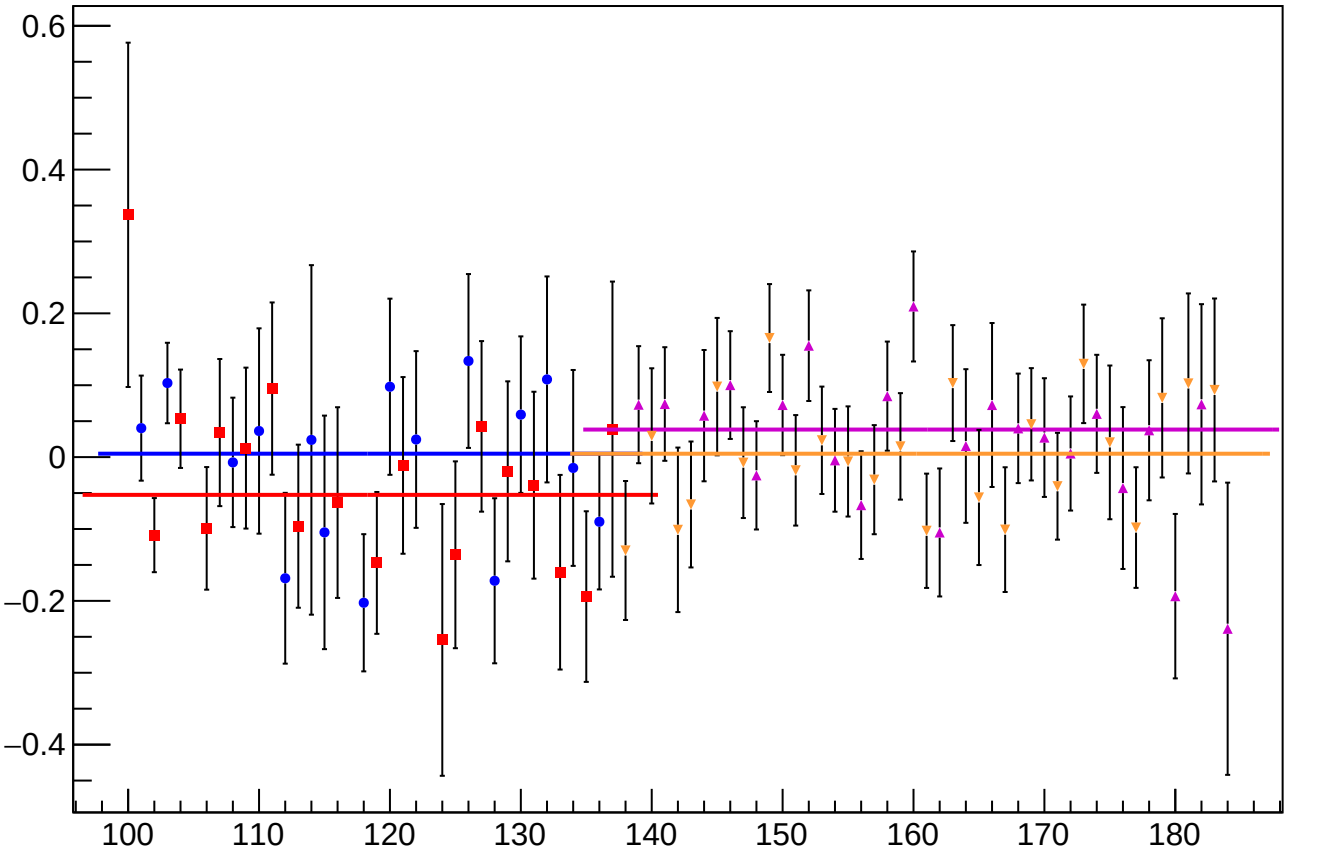
50
40
100
110
120
130
140
150
160
170
180
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 74.801+/-0.012 χ²/NDF:743222.7/23
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 74.601+/-0.013 χ²/NDF:713751.1/22
+ sign 72.260+/-0.010 χ²/NDF: 1692954.3/39
All: 71.257+/-0.007 χ²/NDF: 3868907.9/81
- sign 70.278+/-0.010 χ²/NDF: 2157134.0/41



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.018 χ^2/NDF:20.8/23

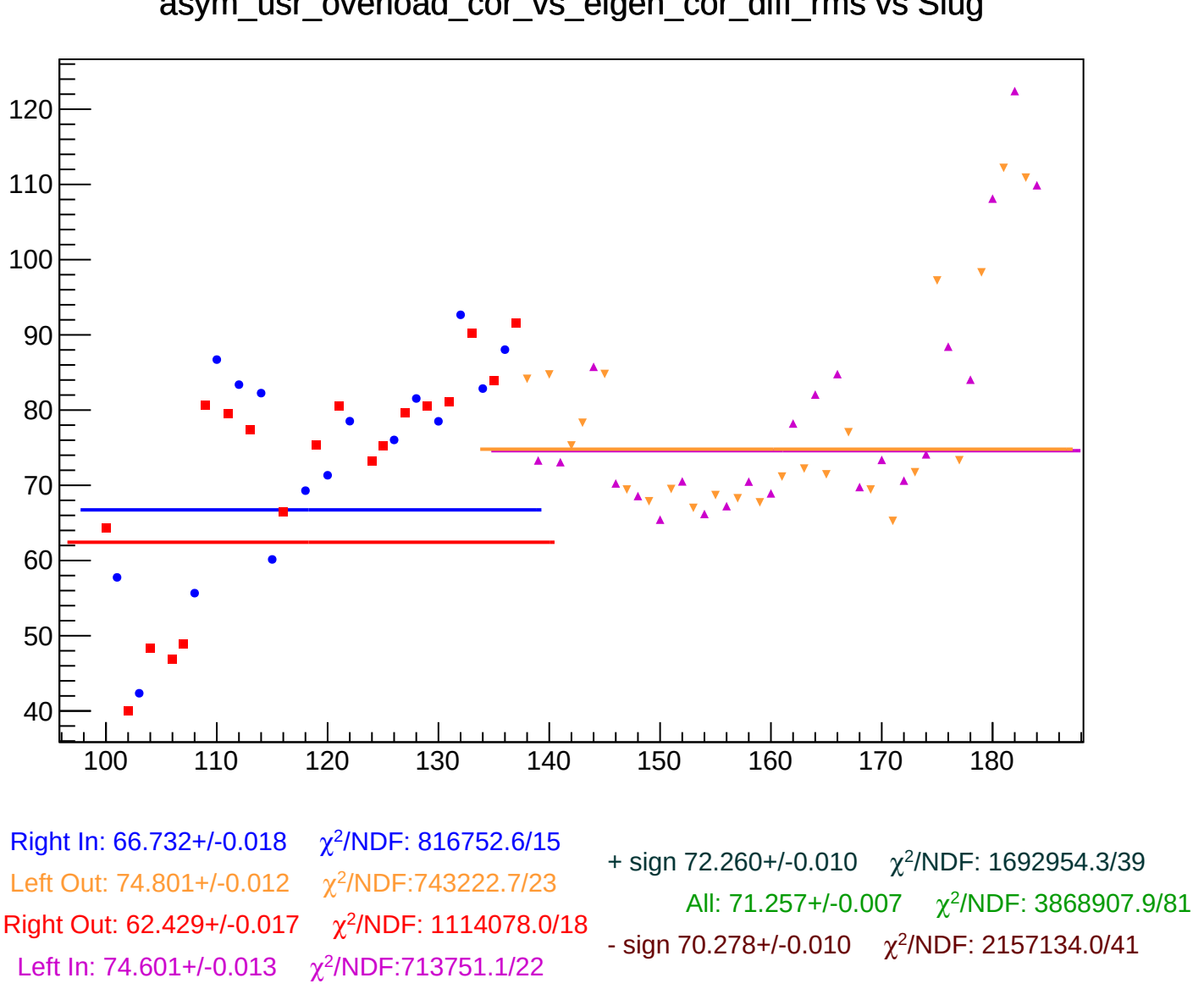
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.005+/-0.015 χ^2/NDF: 37.4/39

All: 0.005+/-0.010 χ^2/NDF: 83.0/81

- sign 0.006+/-0.014 χ^2/NDF: 45.6/41


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
120
110
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80
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100
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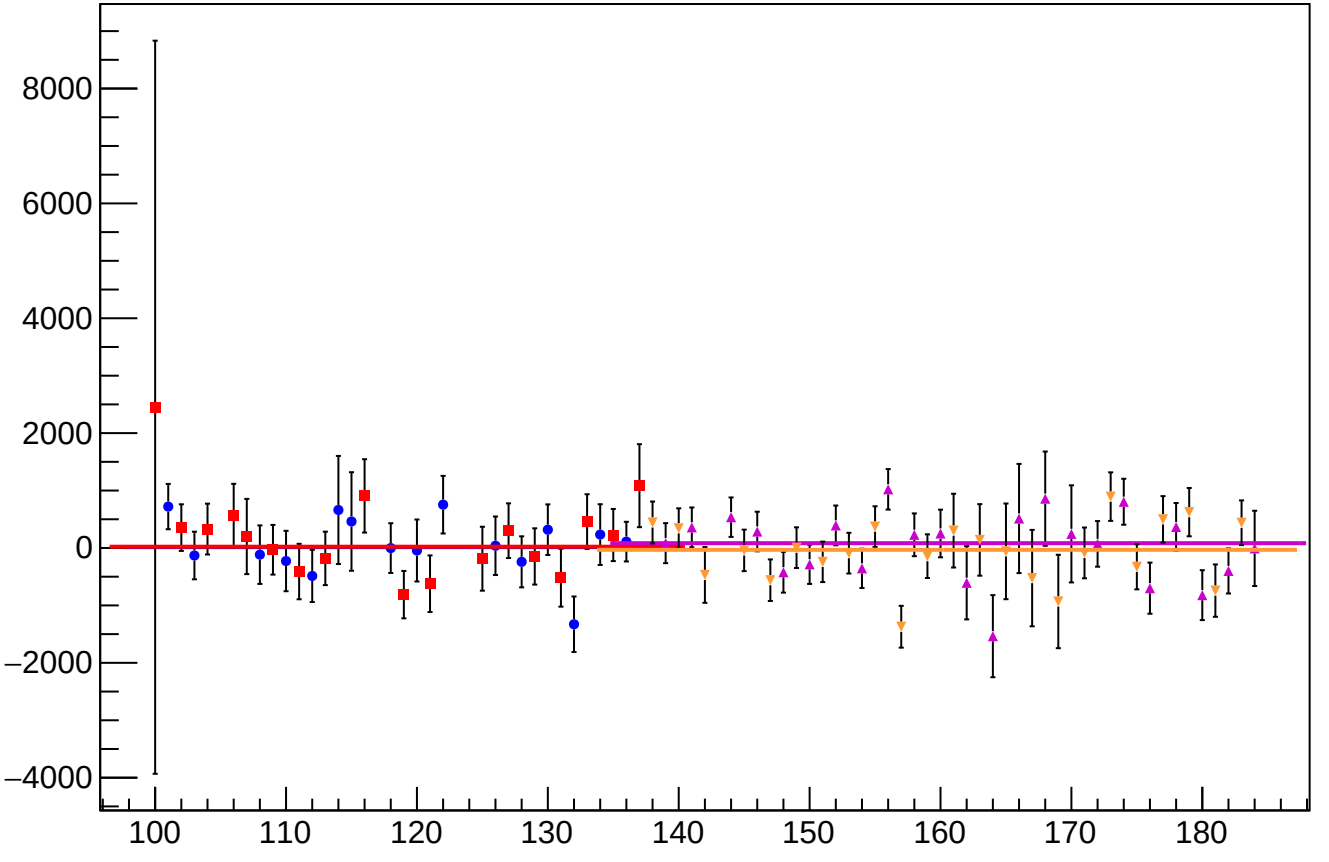
120
130
140
150
160
170
180
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 74.801+/-0.012 χ²/NDF:743222.7/23
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 74.601+/-0.013 χ²/NDF:713751.1/22
+ sign 72.260+/-0.010 χ²/NDF: 1692954.3/39
All: 71.257+/-0.007 χ²/NDF: 3868907.9/81
- sign 70.278+/-0.010 χ²/NDF: 2157134.0/41

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

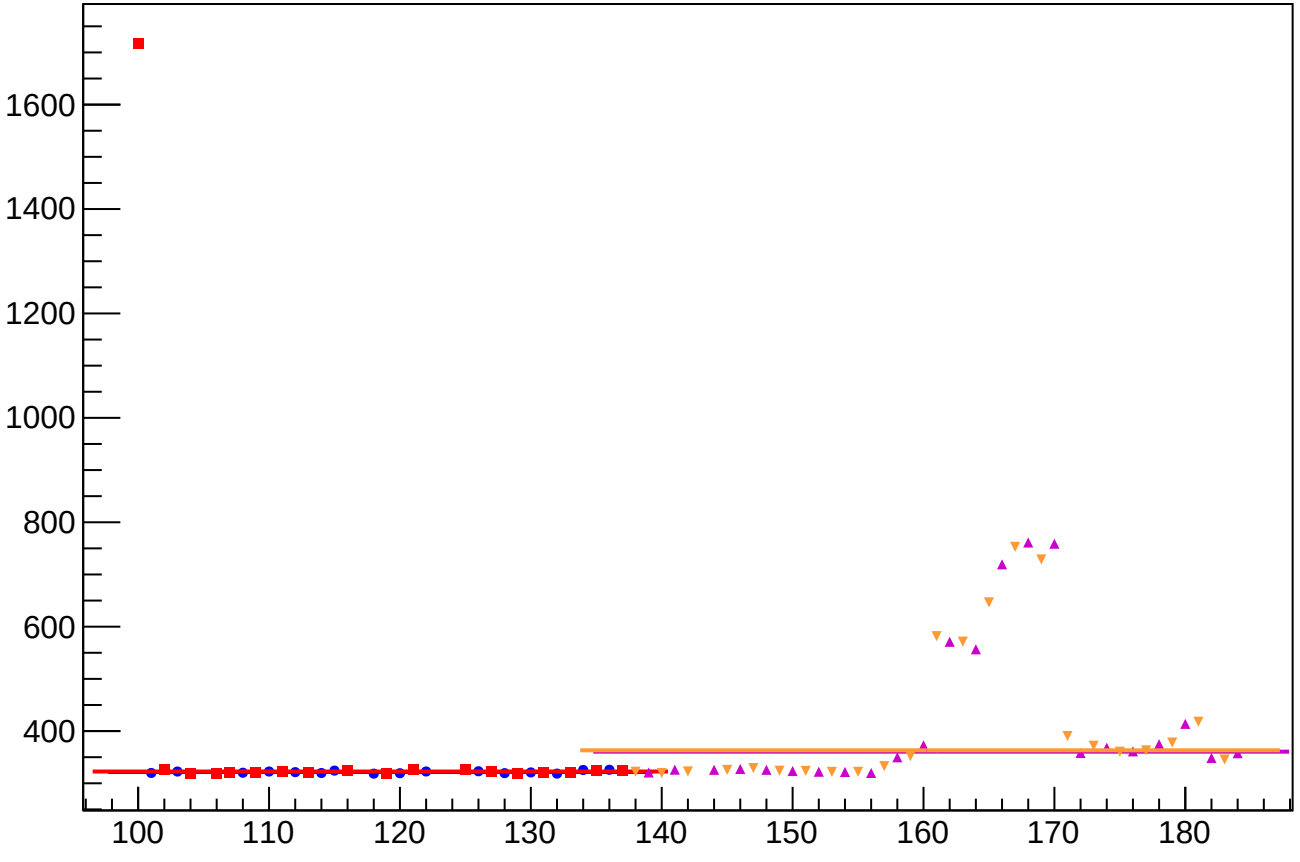
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -15.550+/-70.427 χ^2/NDF: 53.1/38

All: 23.708+/-49.647 χ^2/NDF: 105.7/79

\- sign 62.490+/-69.998 χ^2/NDF: 52.0/40

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

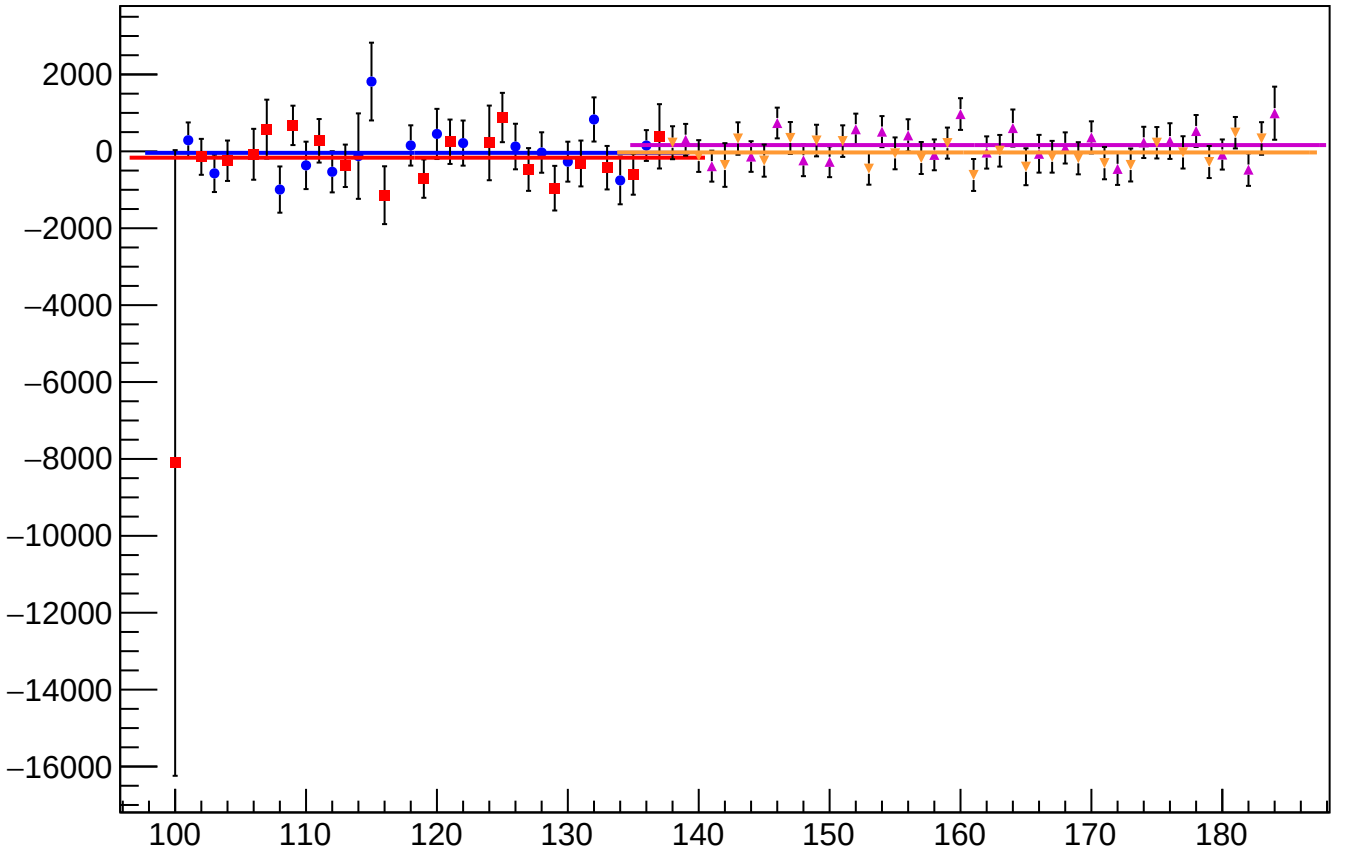
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 348.731+/-0.050 χ^2/NDF: 1954361.0/38

All: 348.098+/-0.035 χ^2/NDF: 4002645.9/79

- sign 347.472+/-0.049 χ^2/NDF: 2047963.5/40



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

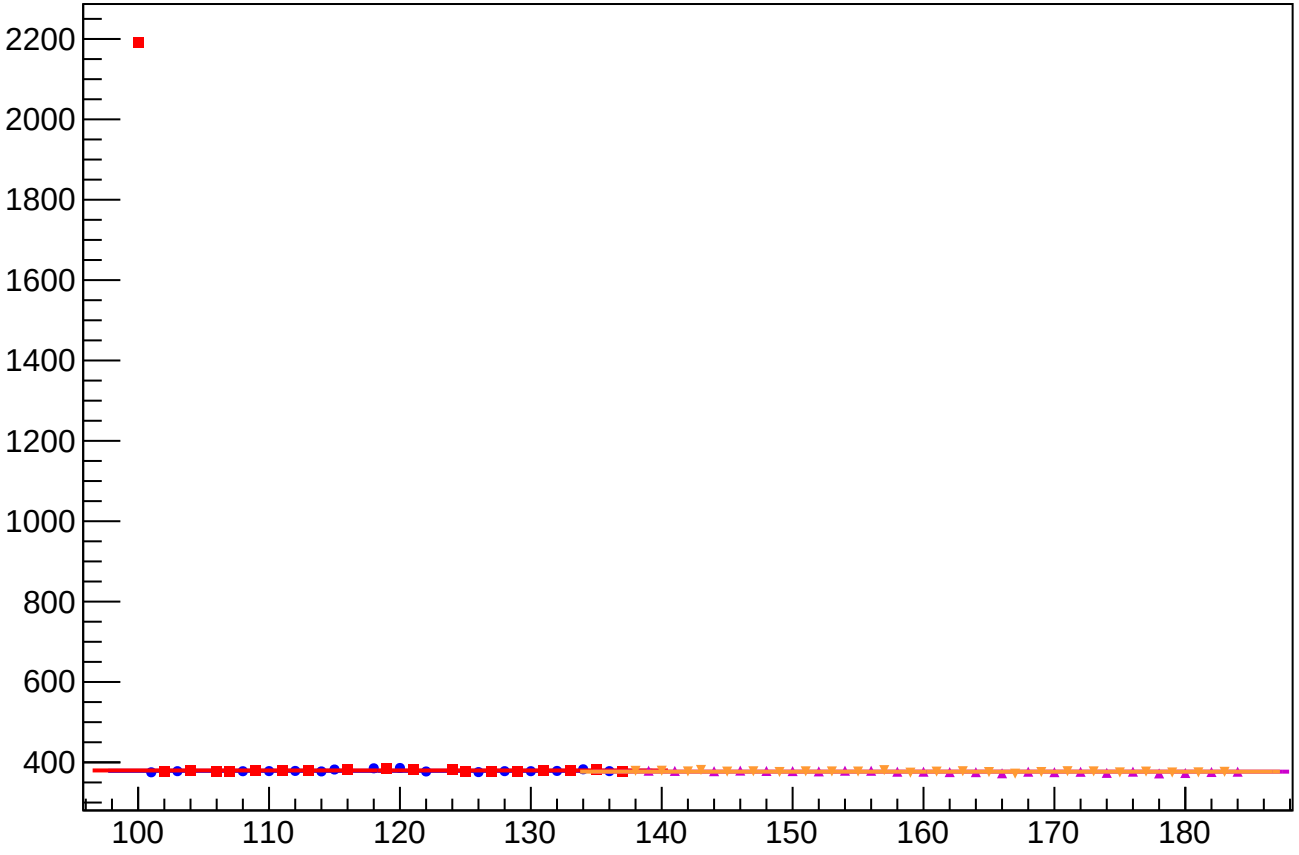
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -31.420+/-73.501 χ^2/NDF: 25.8/39

All: 18.330+/-52.268 χ^2/NDF: 67.5/81

- sign 69.225+/-74.341 χ^2/NDF: 40.8/41

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

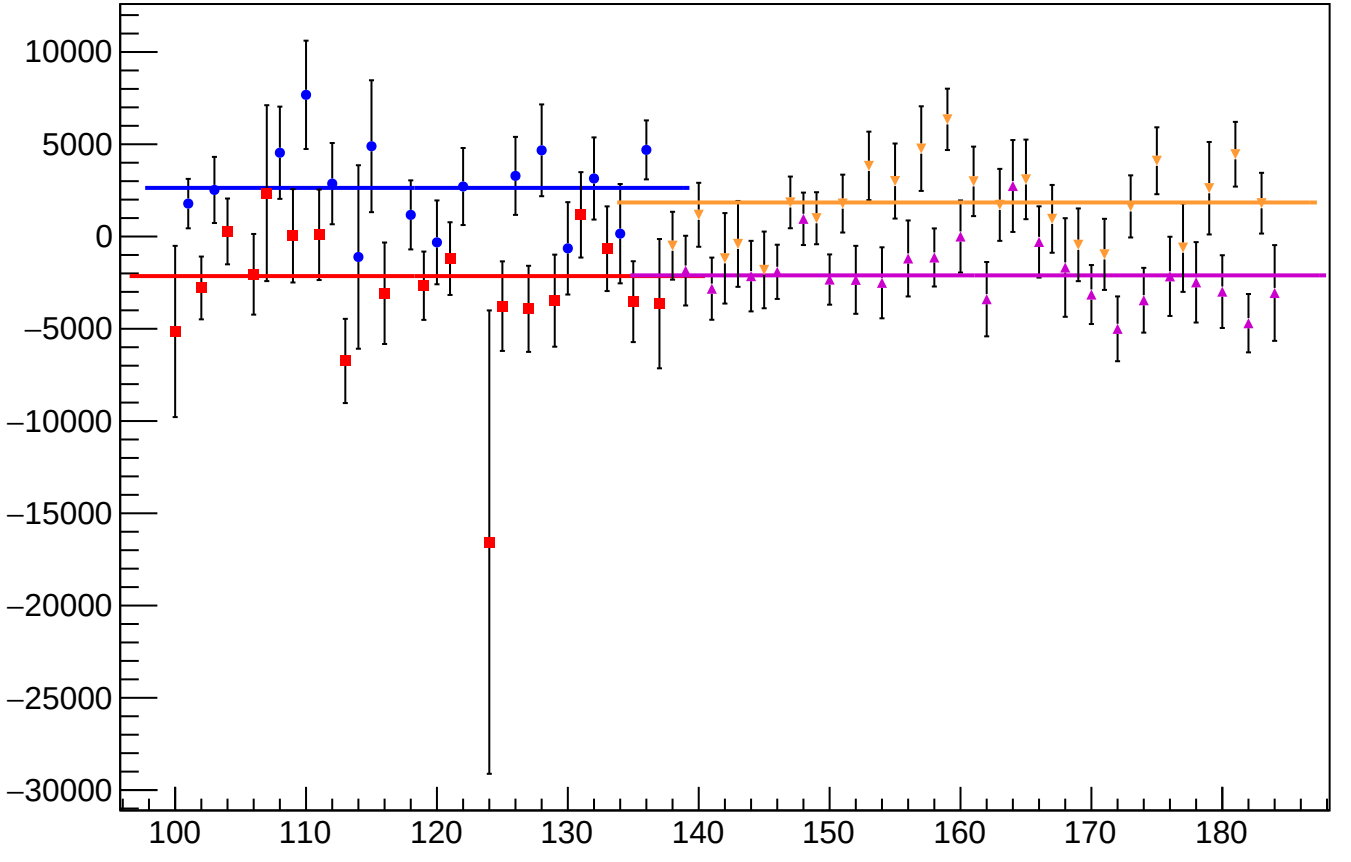
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.436+/-0.052 χ^2/NDF: 2200.3/39

All: 377.573+/-0.037 χ^2/NDF: 103589.6/81

- sign 377.714+/-0.053 χ^2/NDF: 101375.1/41

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

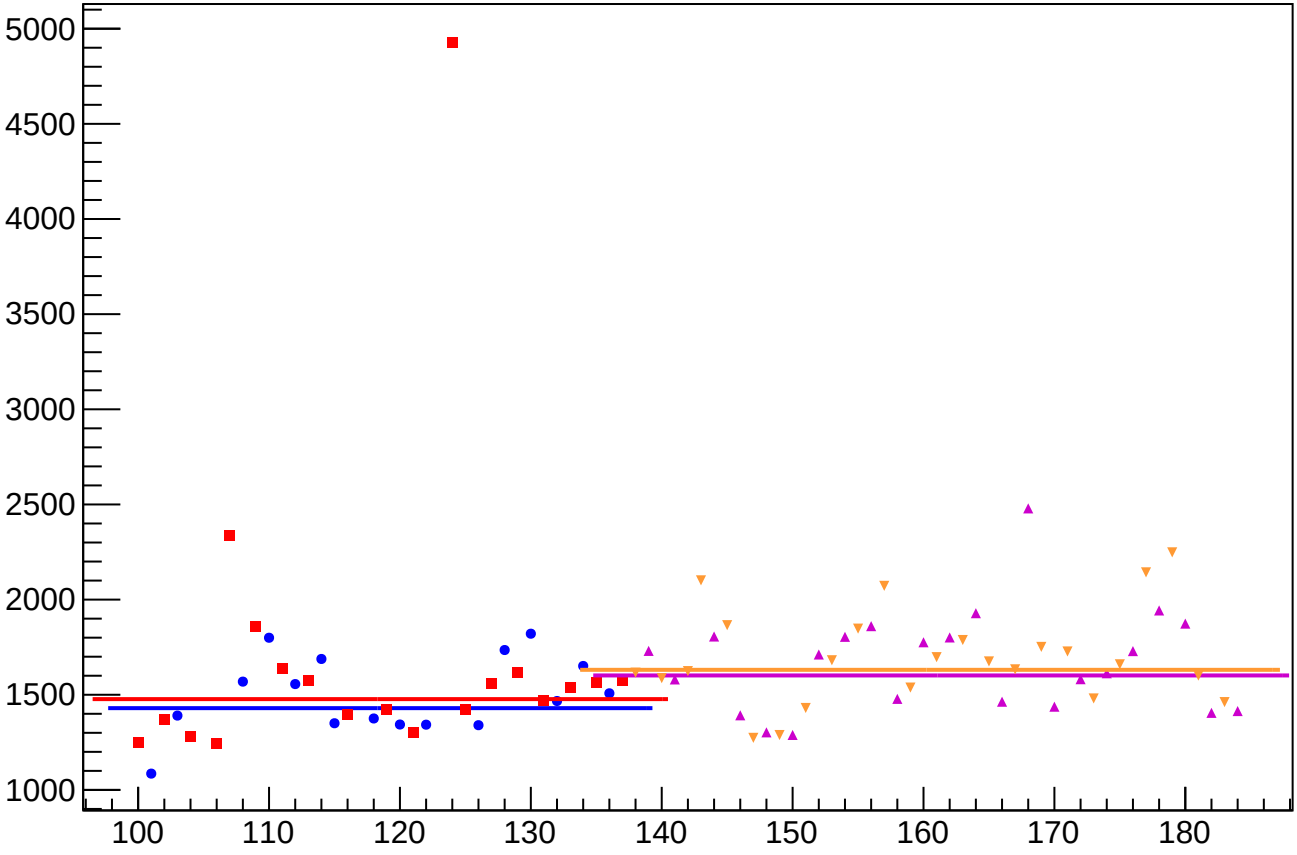
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2106.741+/-309.549 χ^2/NDF: 41.2/39

All: 7.923+/-219.588 χ^2/NDF: 167.4/81

- sign -2118.118+/-311.550 χ^2/NDF: 33.6/41

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

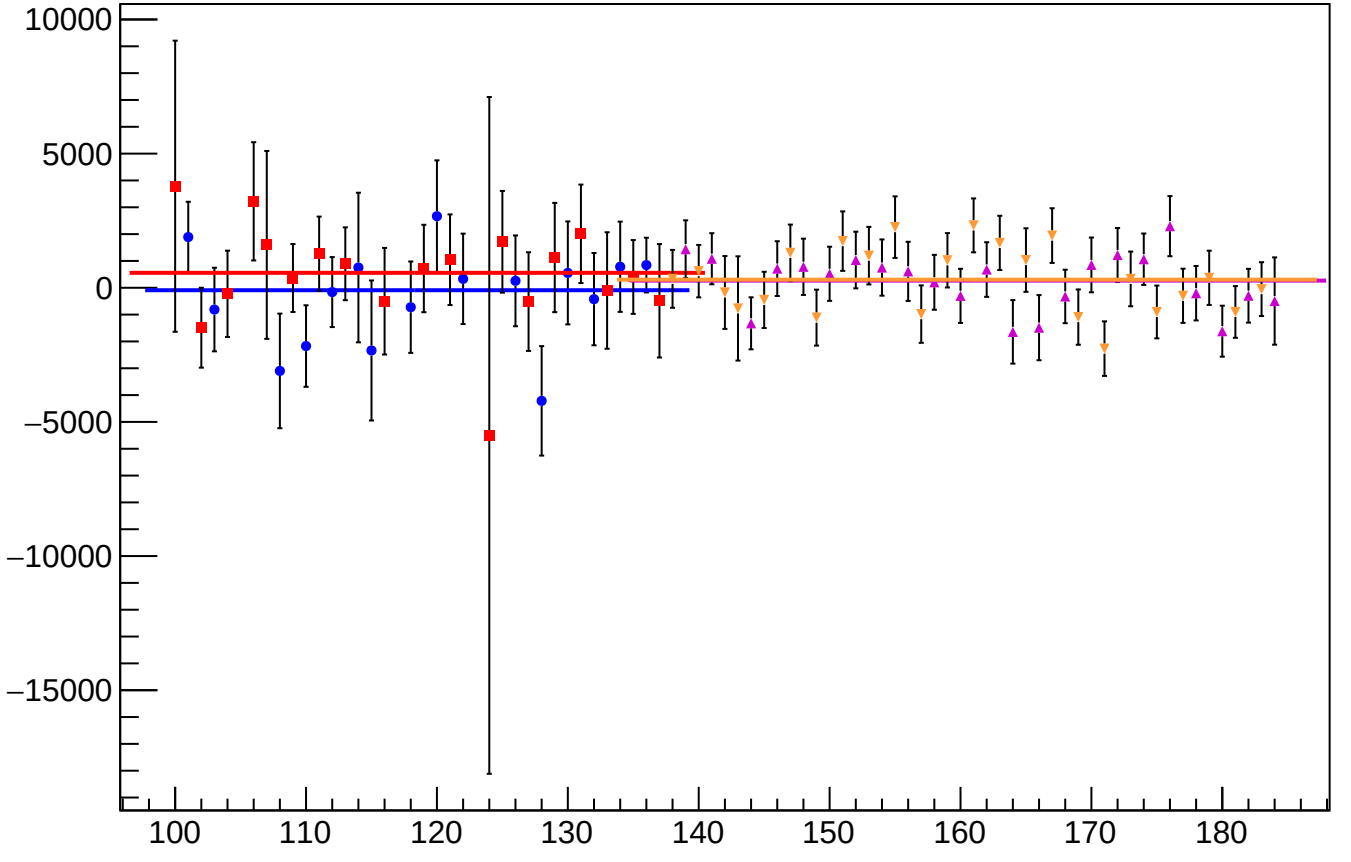
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1564.367+/-0.219 χ^2/NDF: 1254488.1/39

All: 1562.766+/-0.155 χ^2/NDF: 2487605.8/81

- sign 1561.145+/-0.220 χ^2/NDF: 1233010.1/41

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

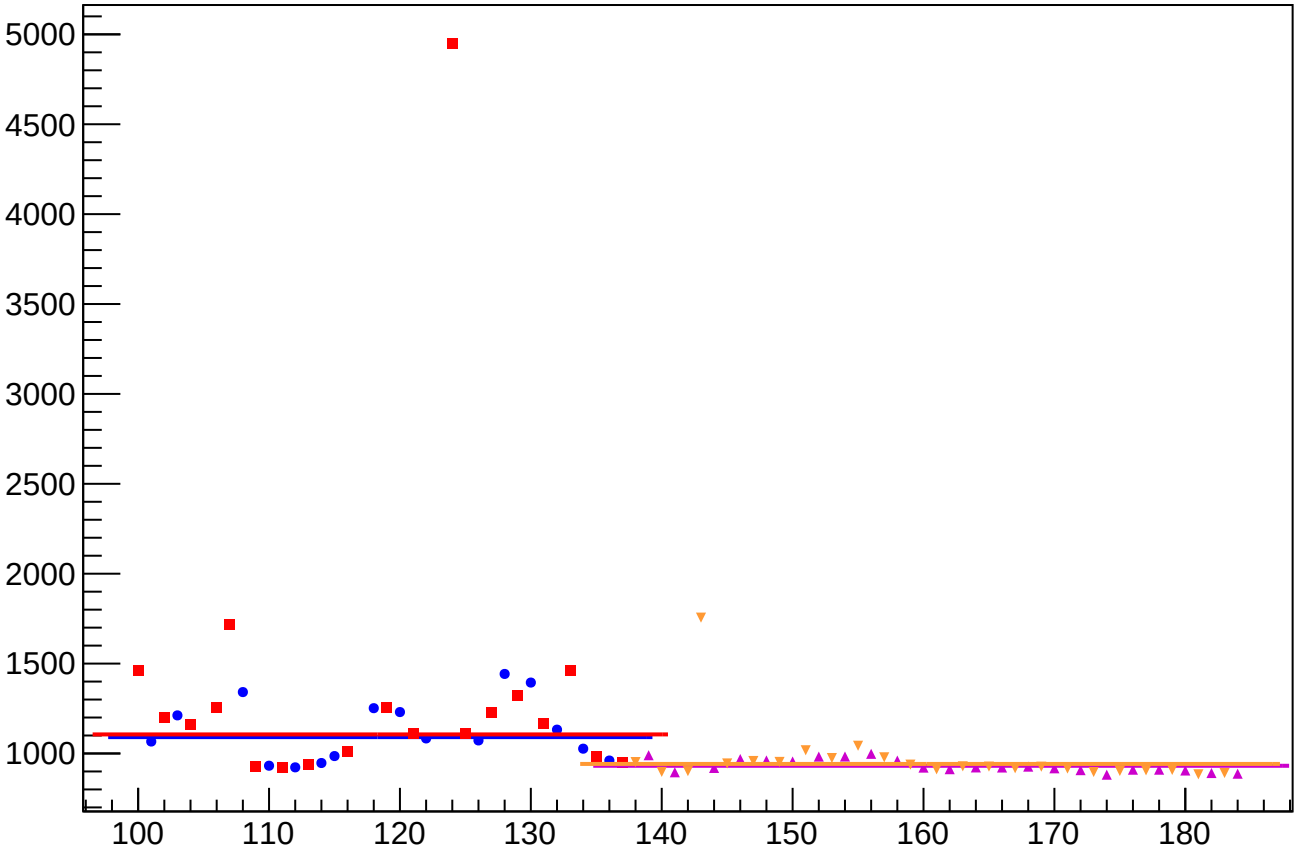
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 216.488+/-191.521 χ^2/NDF: 46.9/39

All: 273.211+/-135.737 χ^2/NDF: 75.6/81

- sign 330.459+/-192.404 χ^2/NDF: 28.5/41

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

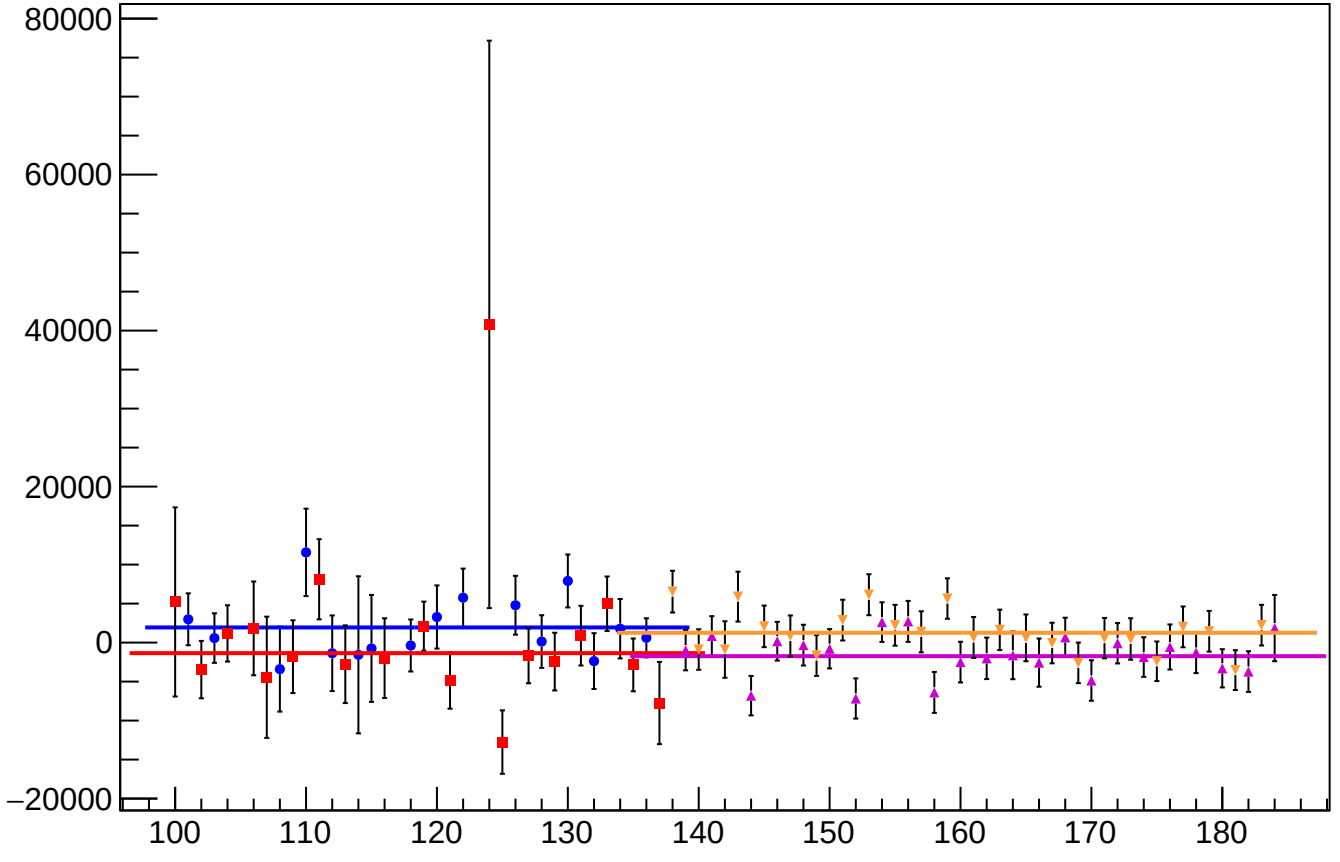
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 974.388+/-0.135 χ^2/NDF: 900336.4/39

All: 972.073+/-0.096 χ^2/NDF: 1745061.8/81

- sign 969.736+/-0.136 χ^2/NDF: 844138.3/41

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

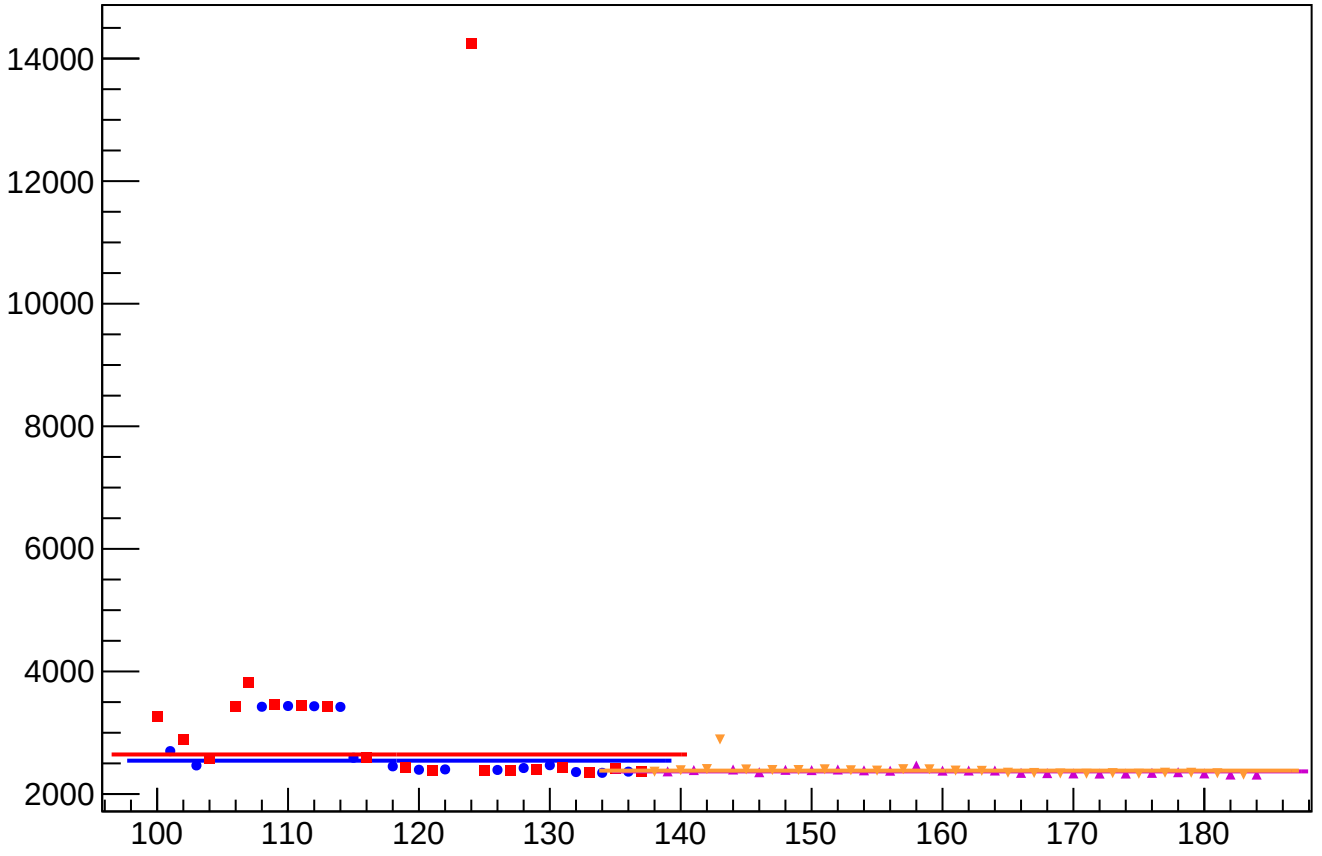
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1423.252+/-473.130 χ^2/NDF: 36.4/39

All: -82.931+/-337.778 χ^2/NDF: 103.4/81

- sign -1648.623+/-482.386 χ^2/NDF: 46.3/41

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

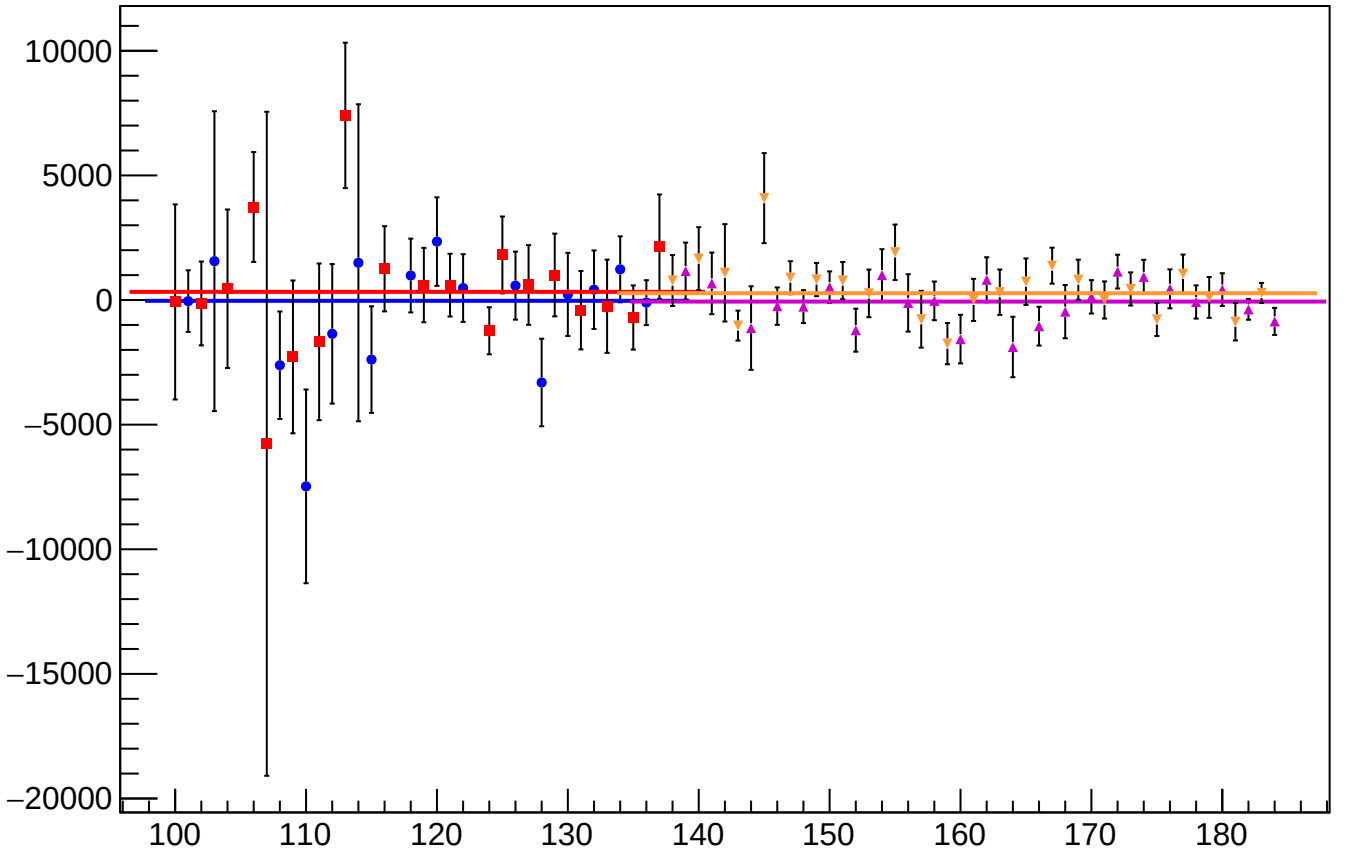
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2422.081+/-0.335 χ^2/NDF: 326739.8/39

All: 2428.722+/-0.239 χ^2/NDF: 991116.5/81

- sign 2435.626+/-0.341 χ^2/NDF: 663572.9/41



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

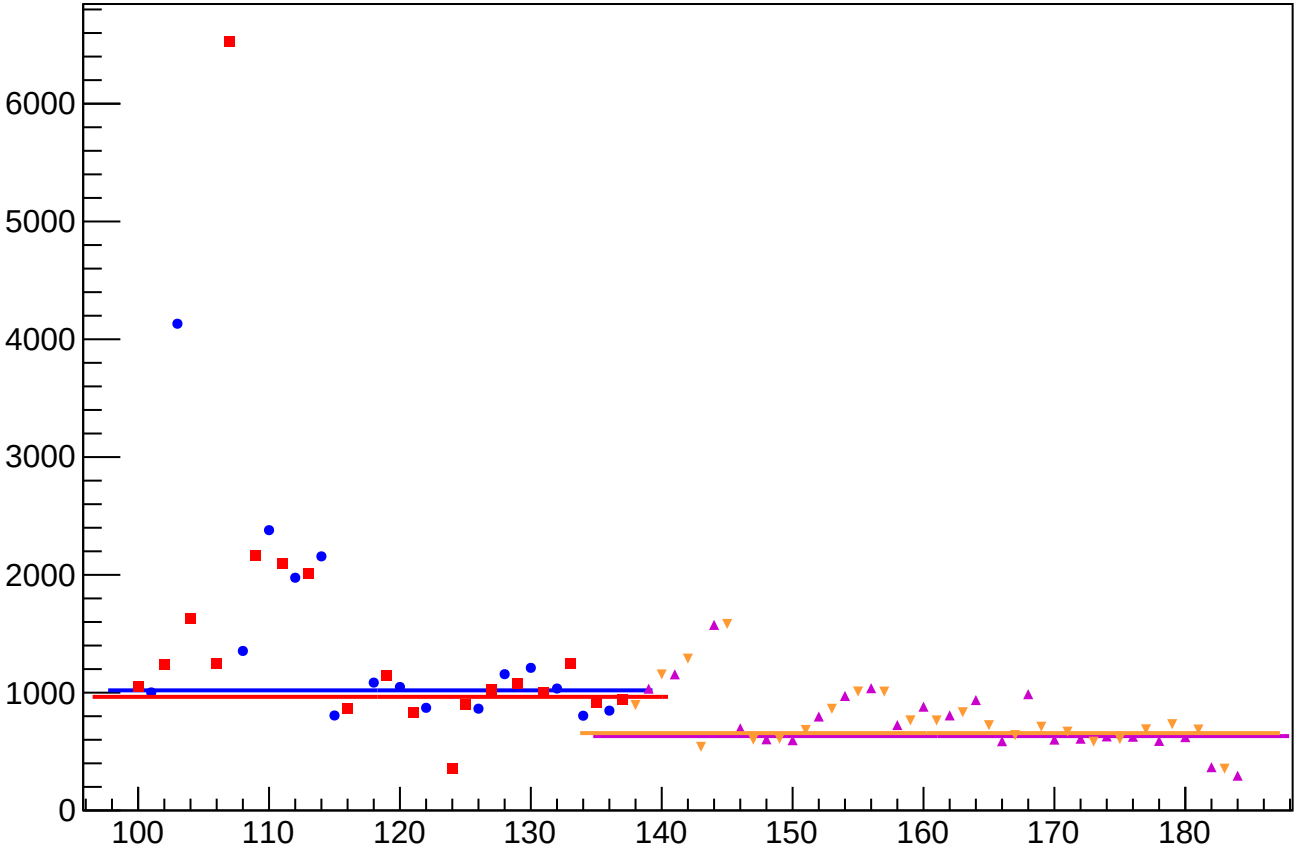
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

\+ sign 234.303+/-147.270 χ^2/NDF: 45.3/39

All: 111.780+/-103.824 χ^2/NDF: 85.1/81

\- sign -9.288+/-146.392 χ^2/NDF: 38.5/41

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

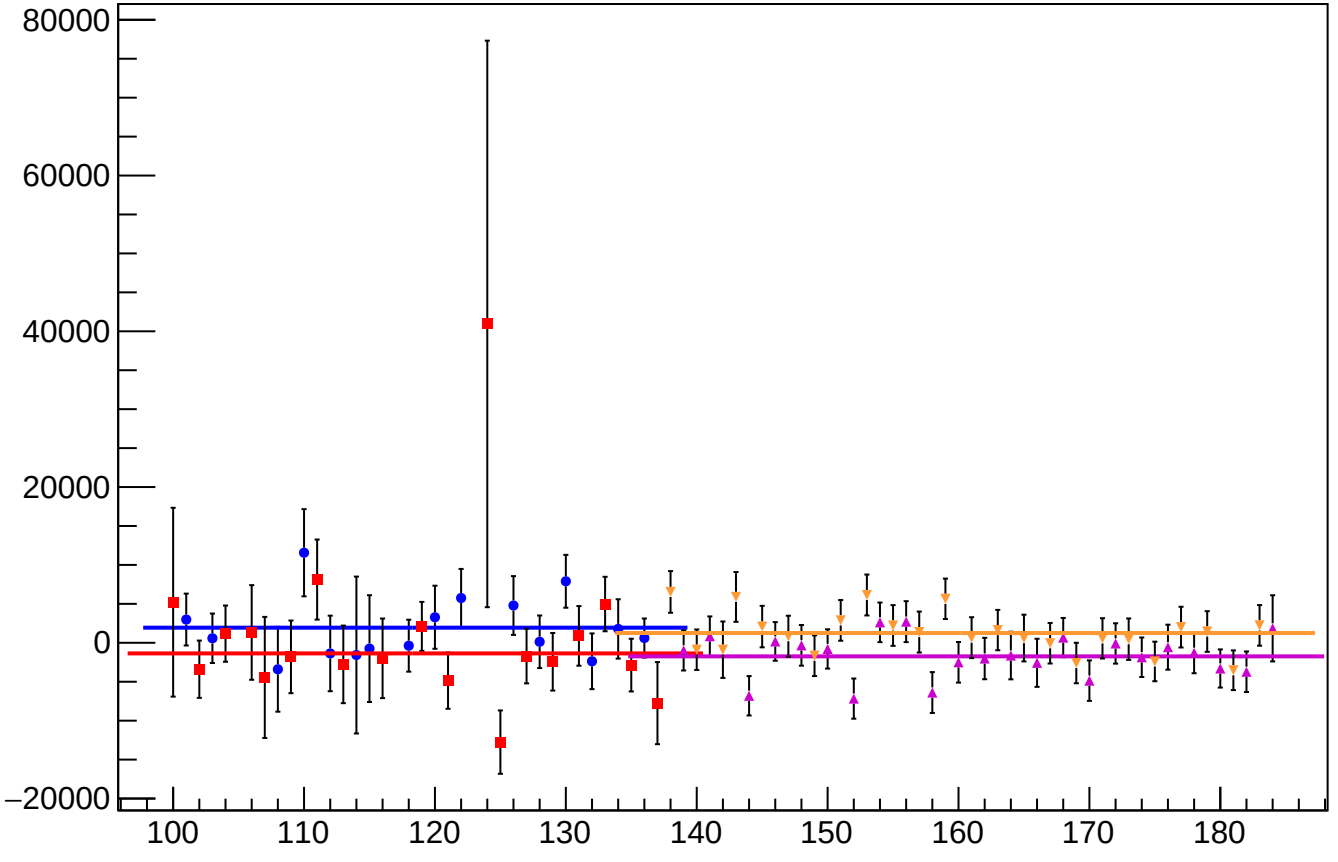
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 704.518+/-0.104 χ^2/NDF: 5844065.4/39

All: 690.248+/-0.073 χ^2/NDF: 13375256.6/81

- sign 676.147+/-0.104 χ^2/NDF: 7493856.4/41

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

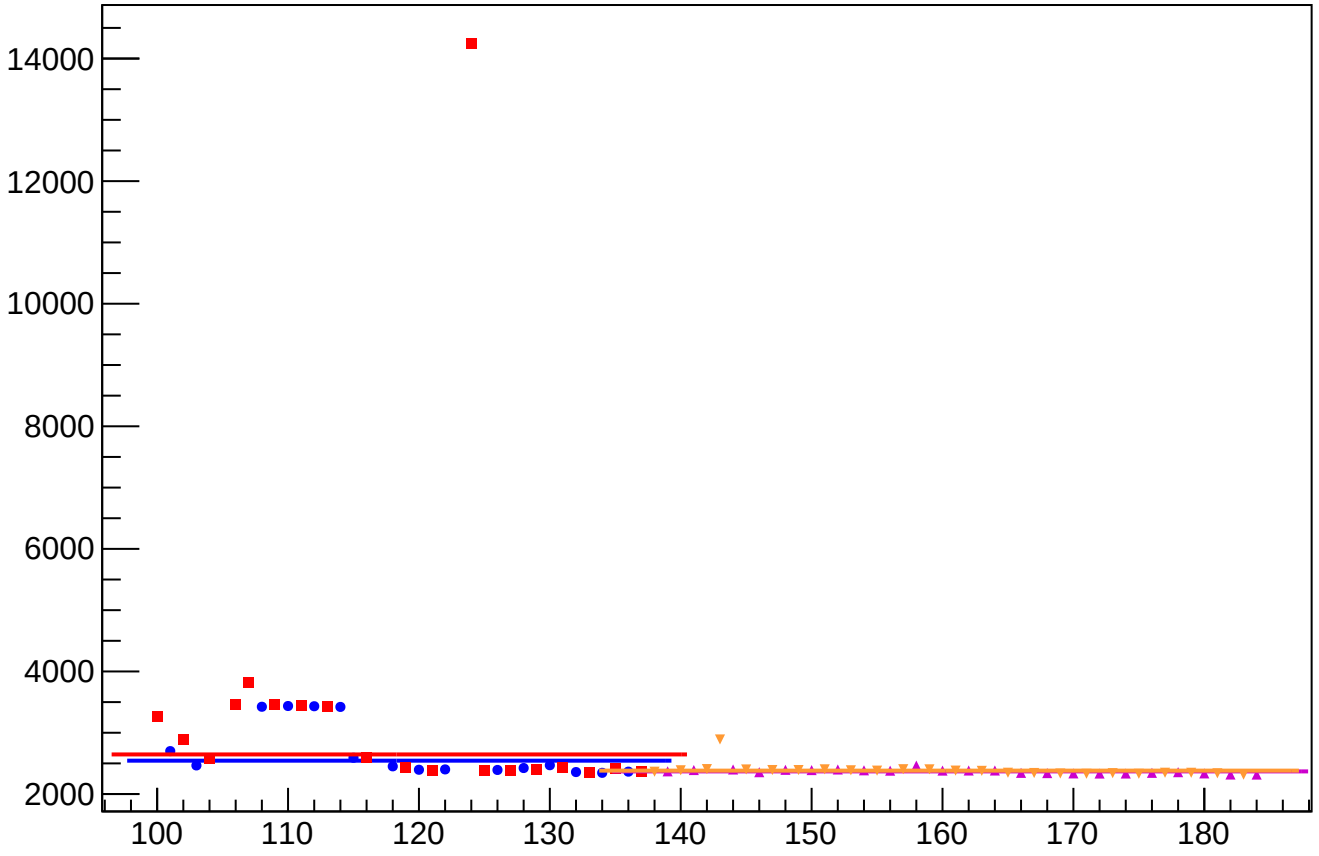
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1423.309+/-473.130 χ^2/NDF: 36.4/39

All: -83.966+/-337.790 χ^2/NDF: 103.3/81

- sign -1651.023+/-482.421 χ^2/NDF: 46.2/41

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

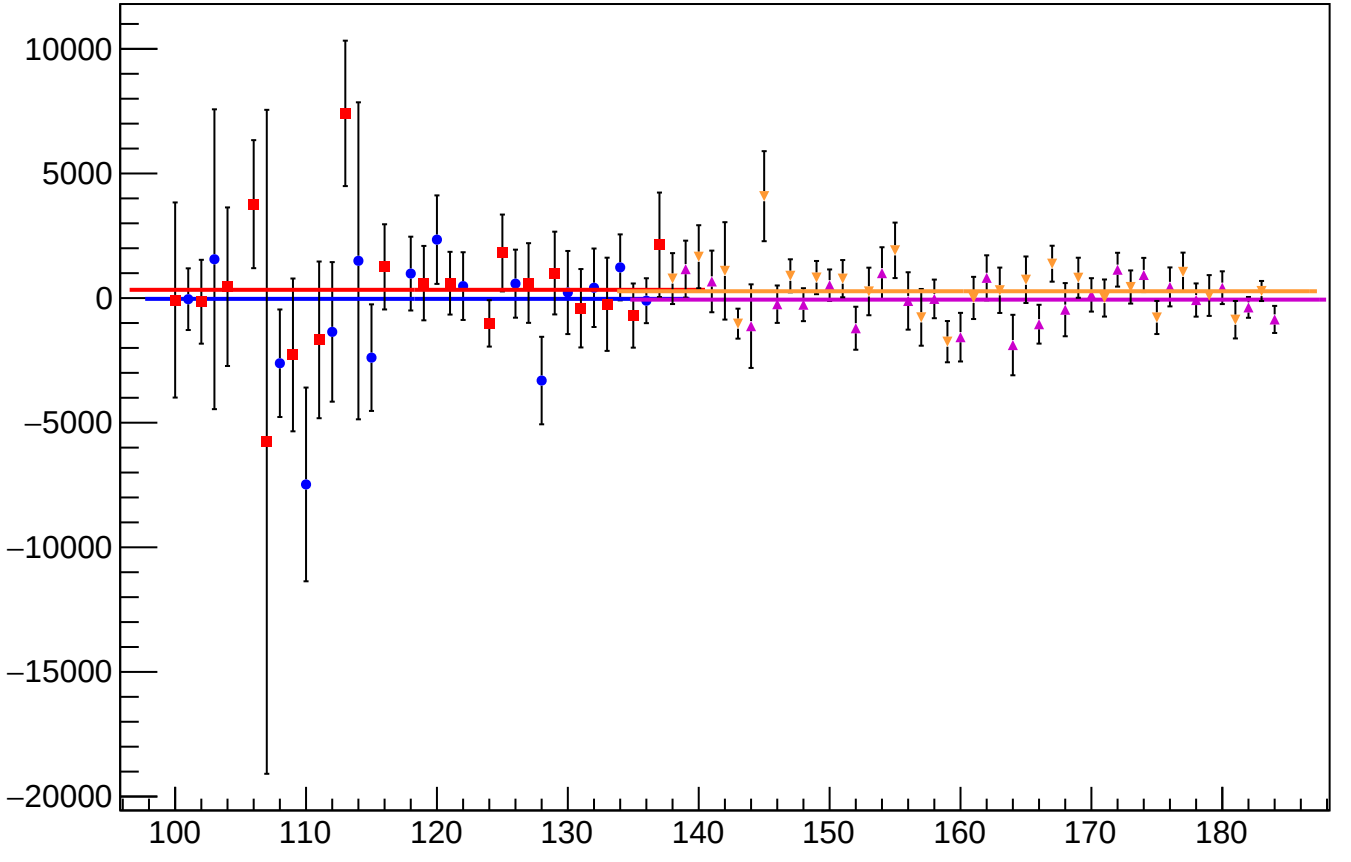
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

\+ sign 2422.081+/-0.335 χ^2/NDF: 326739.8/39

All: 2428.772+/-0.239 χ^2/NDF: 994136.5/81

\- sign 2435.729+/-0.341 χ^2/NDF: 666580.9/41

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

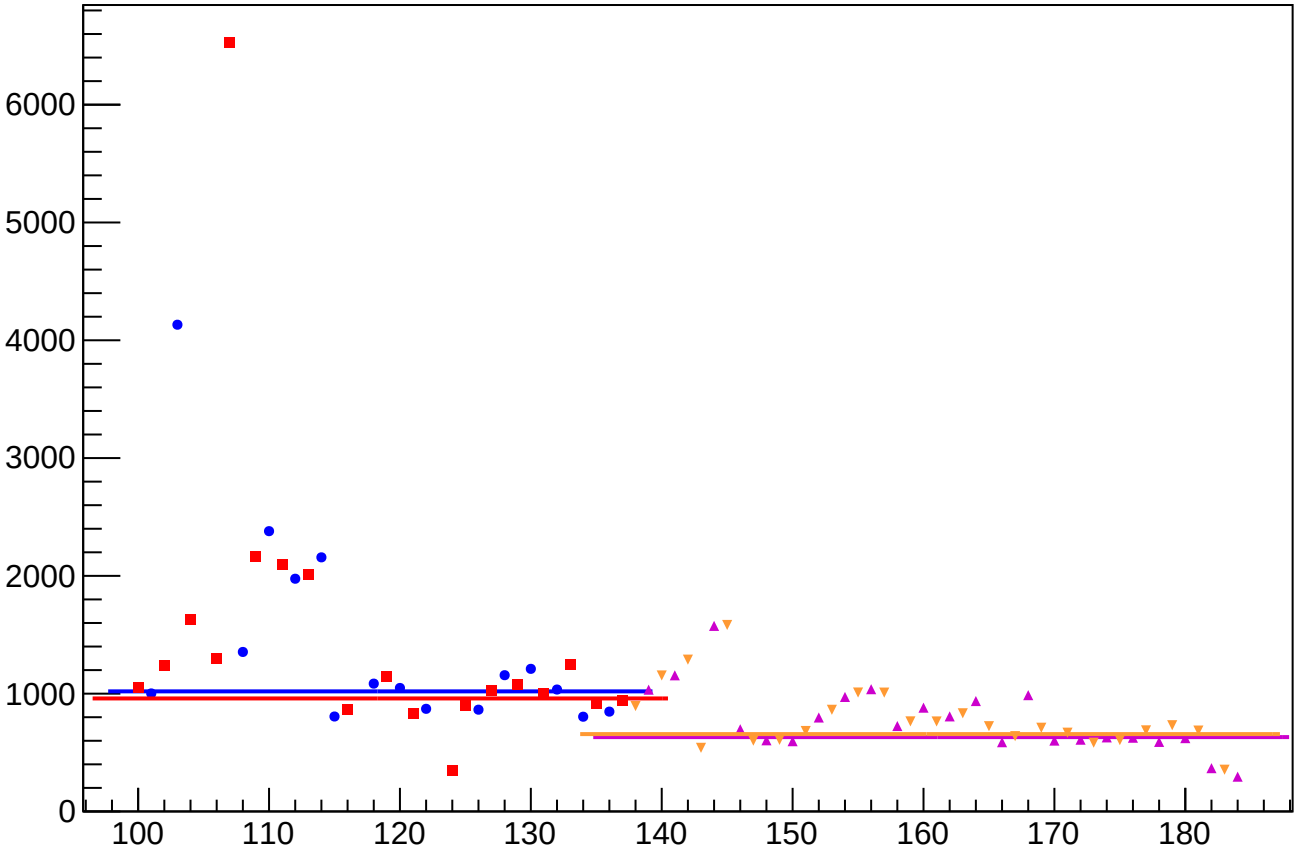
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 234.375+/-147.271 χ^2/NDF: 45.3/39

All: 111.986+/-103.838 χ^2/NDF: 83.9/81

- sign -9.008+/-146.430 χ^2/NDF: 37.2/41

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

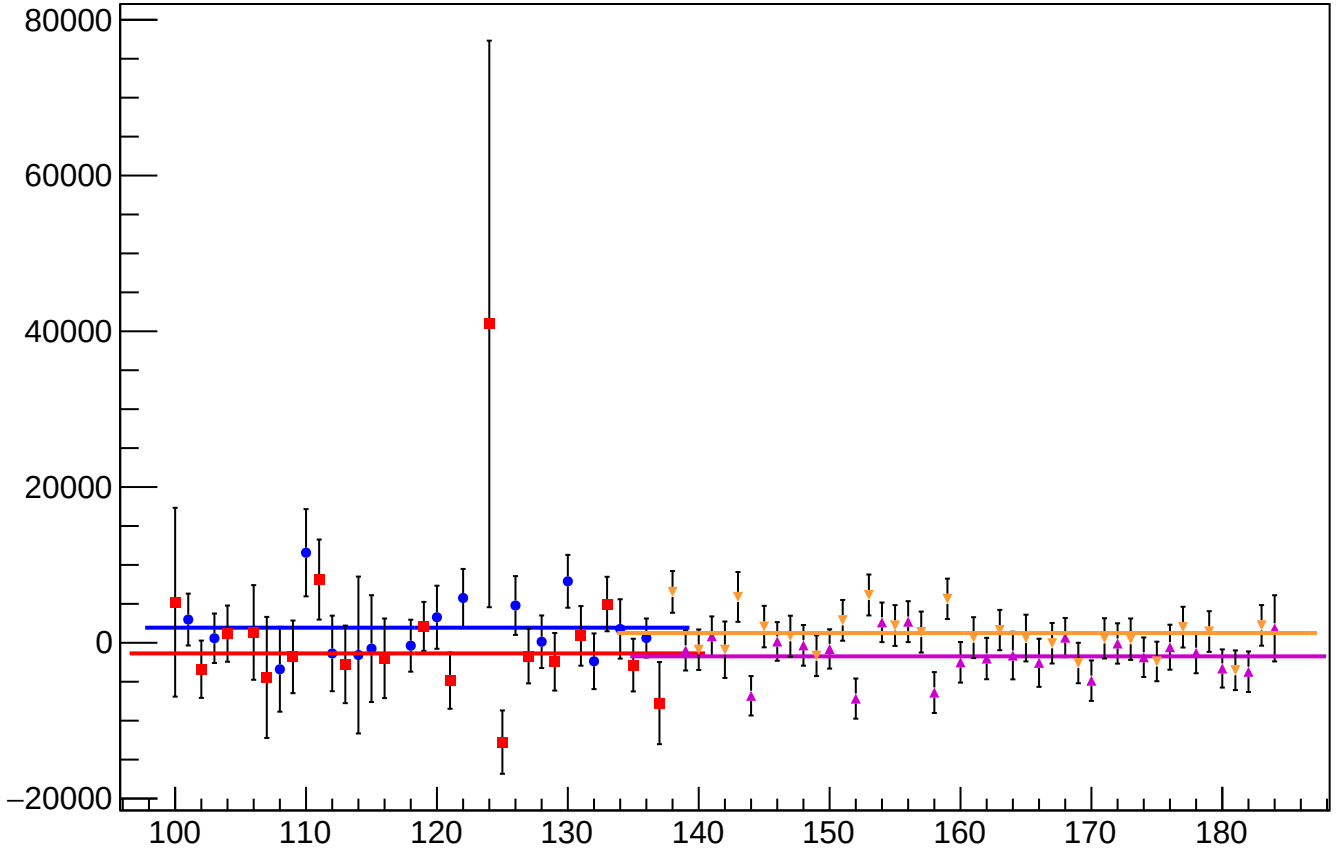
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

\+ sign 704.526+/-0.104 χ^2/NDF: 5843831.7/39

All: 689.838+/-0.073 χ^2/NDF: 13372306.3/81

\- sign 675.318+/-0.104 χ^2/NDF: 7488917.0/41

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

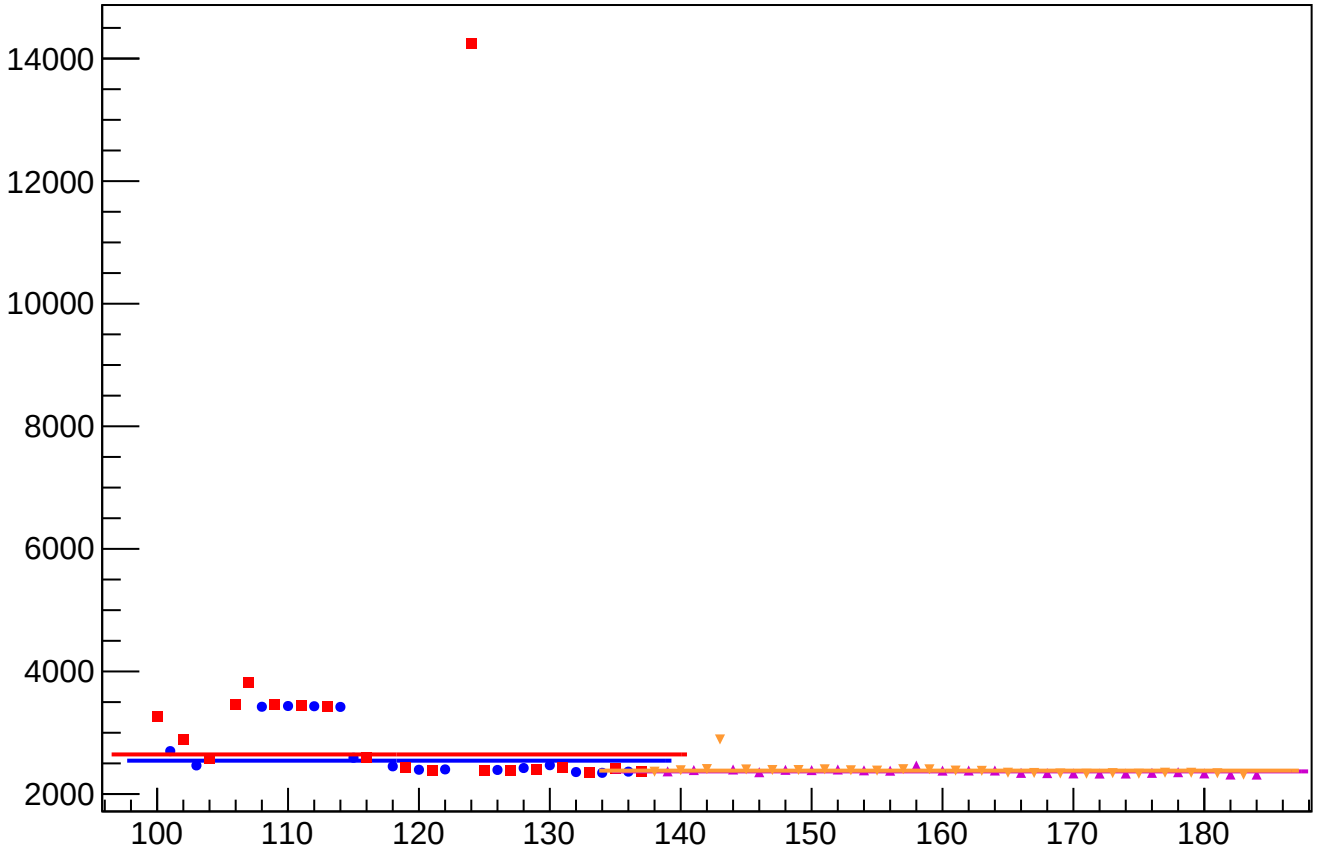
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1423.309+/-473.130 χ^2/NDF: 36.4/39

All: -83.966+/-337.790 χ^2/NDF: 103.3/81

- sign -1651.023+/-482.421 χ^2/NDF: 46.2/41

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

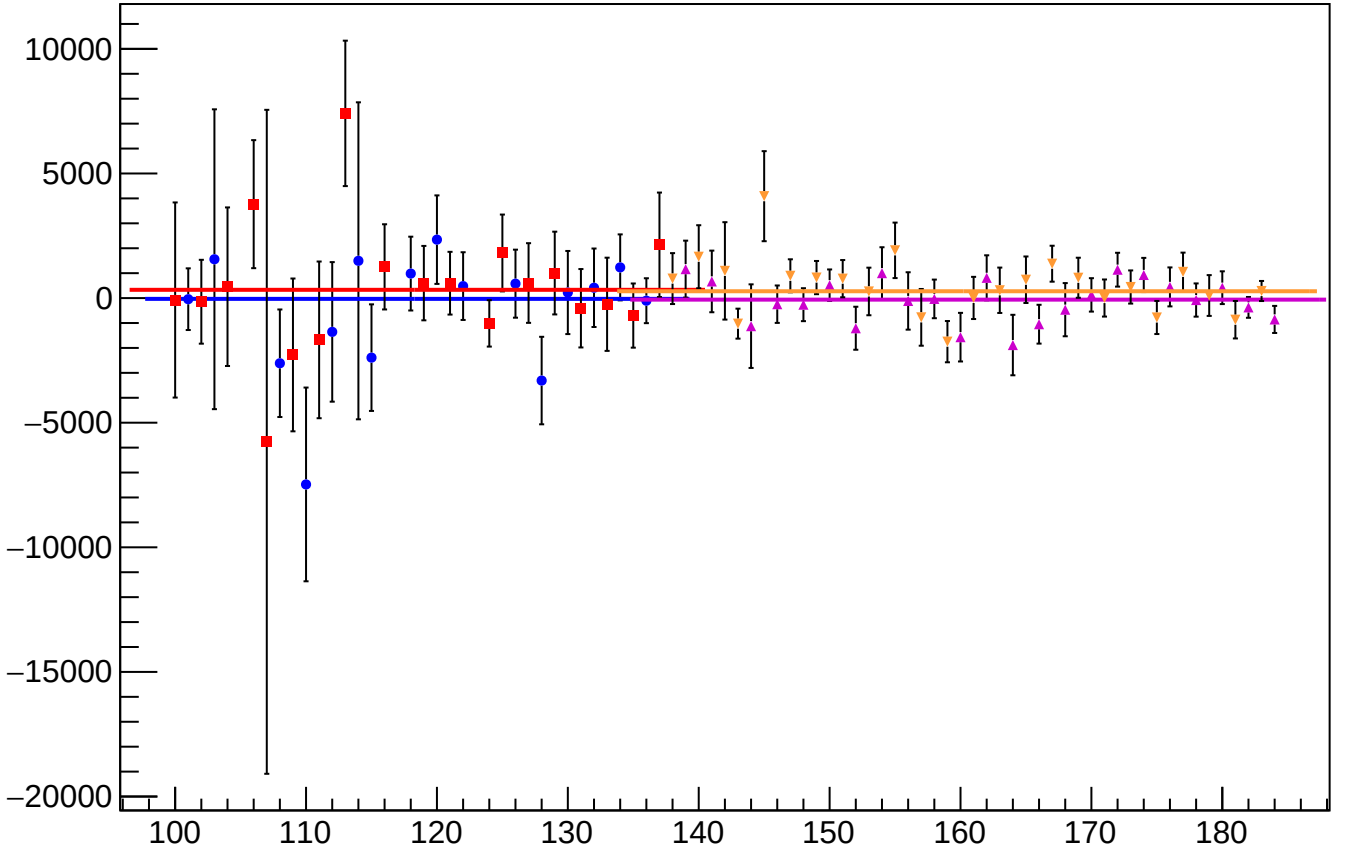
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

\+ sign 2422.081+/-0.335 χ^2/NDF: 326739.8/39

All: 2428.772+/-0.239 χ^2/NDF: 994136.5/81

\- sign 2435.729+/-0.341 χ^2/NDF: 666580.9/41

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

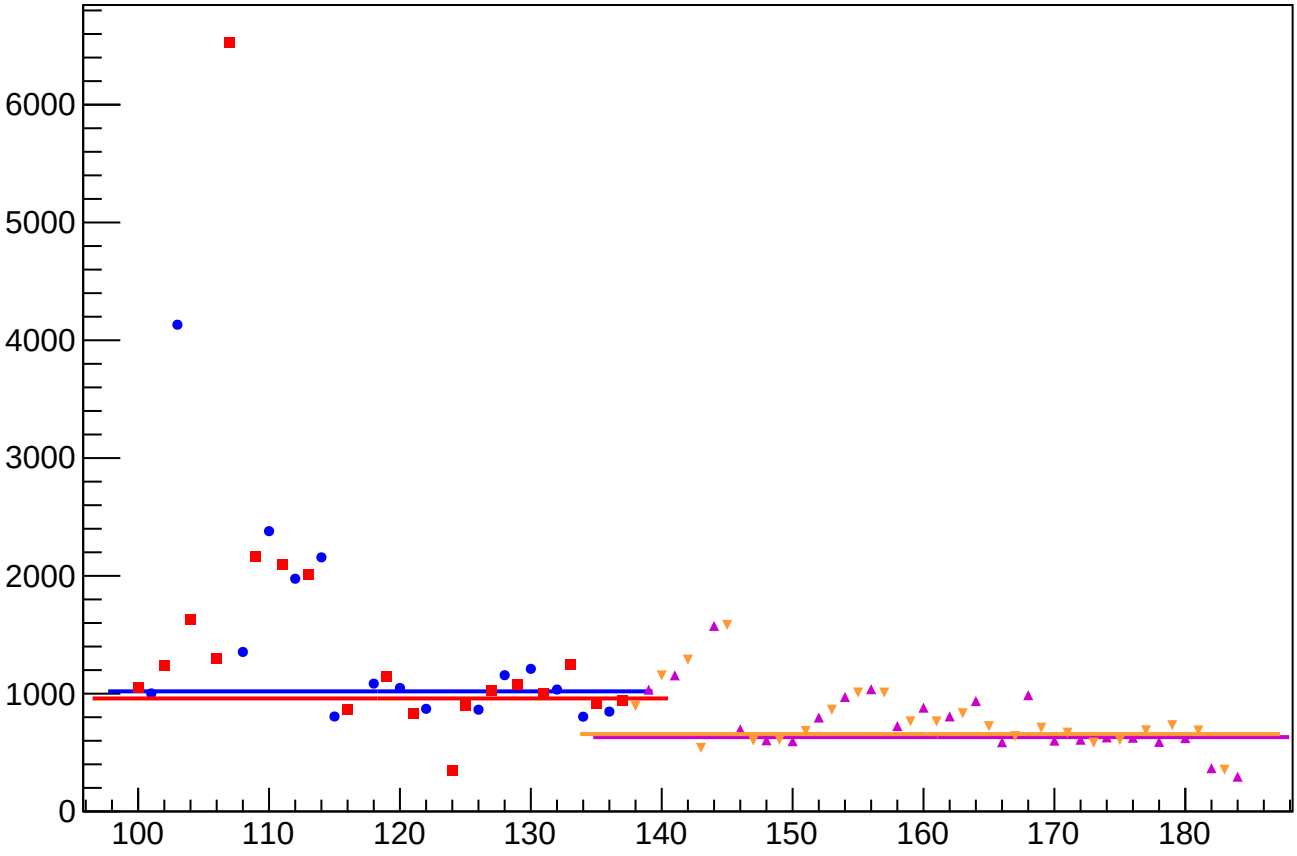
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 234.375+/-147.271 χ^2/NDF: 45.3/39

All: 111.986+/-103.838 χ^2/NDF: 83.9/81

- sign -9.008+/-146.430 χ^2/NDF: 37.2/41

asym_atl1_eigen_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

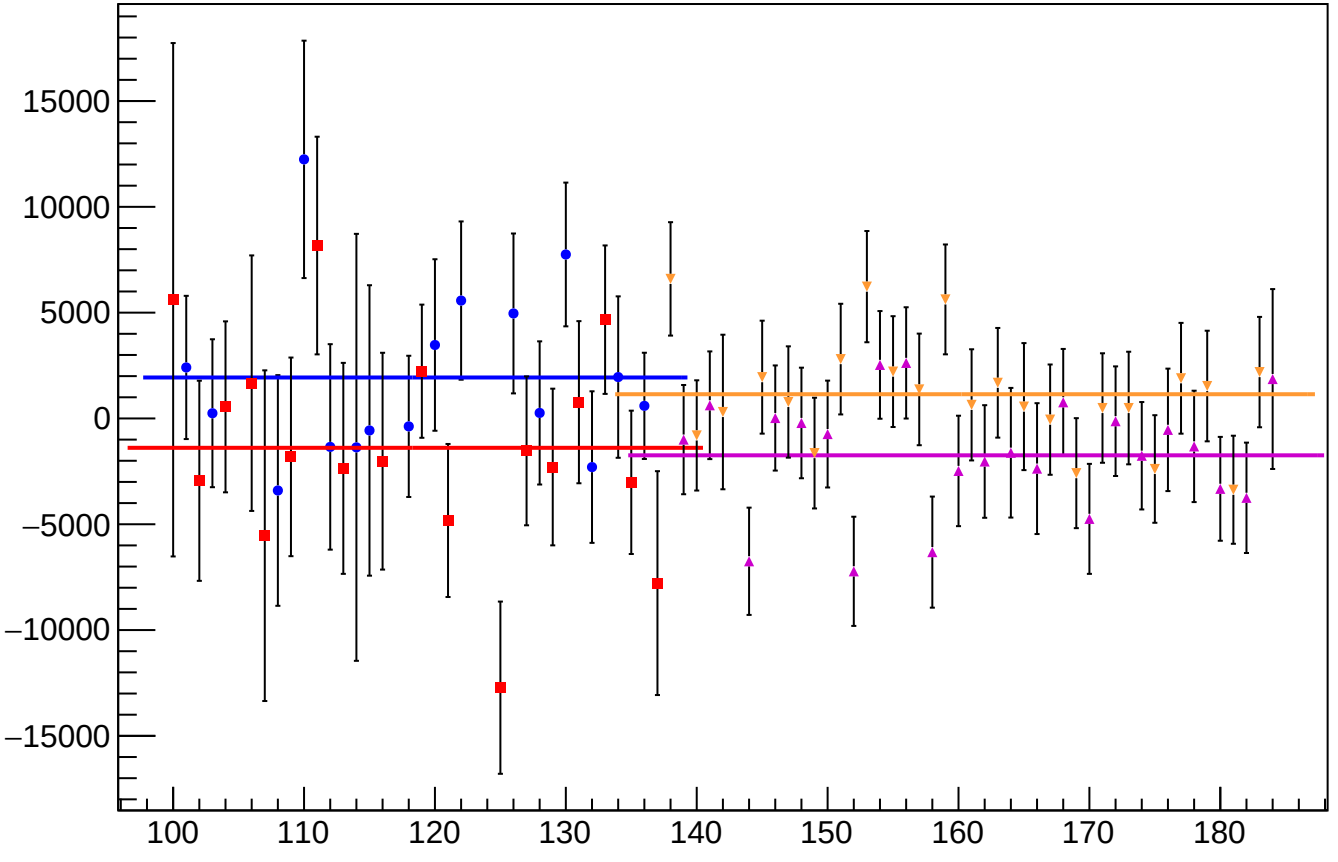
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

\+ sign 704.526+/-0.104 χ^2/NDF: 5843831.7/39

All: 689.838+/-0.073 χ^2/NDF: 13372306.3/81

\- sign 675.318+/-0.104 χ^2/NDF: 7488917.0/41

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

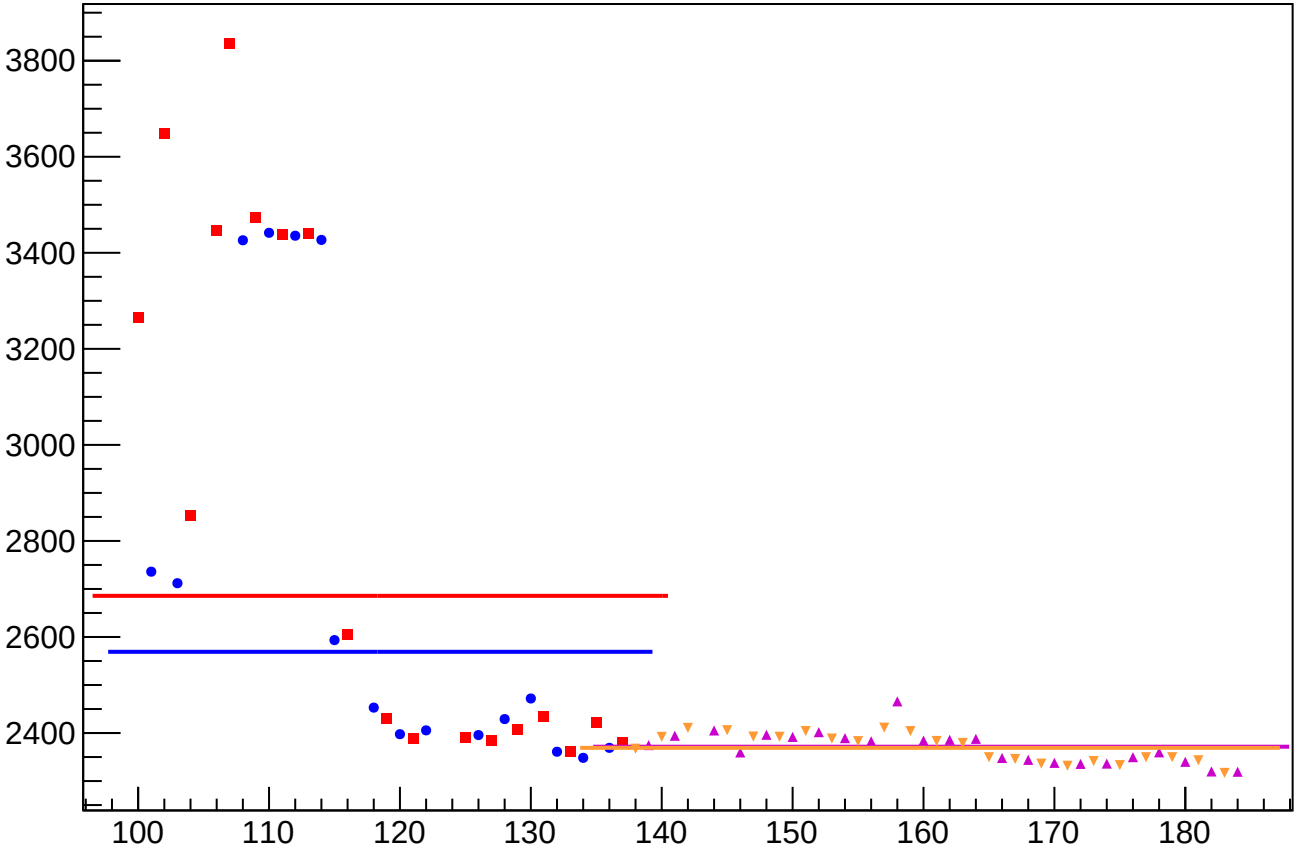
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1341.791+/-480.028 χ^2/NDF: 34.0/38

All: -142.307+/-341.337 χ^2/NDF: 96.9/79

- sign -1660.199+/-485.463 χ^2/NDF: 43.6/40

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

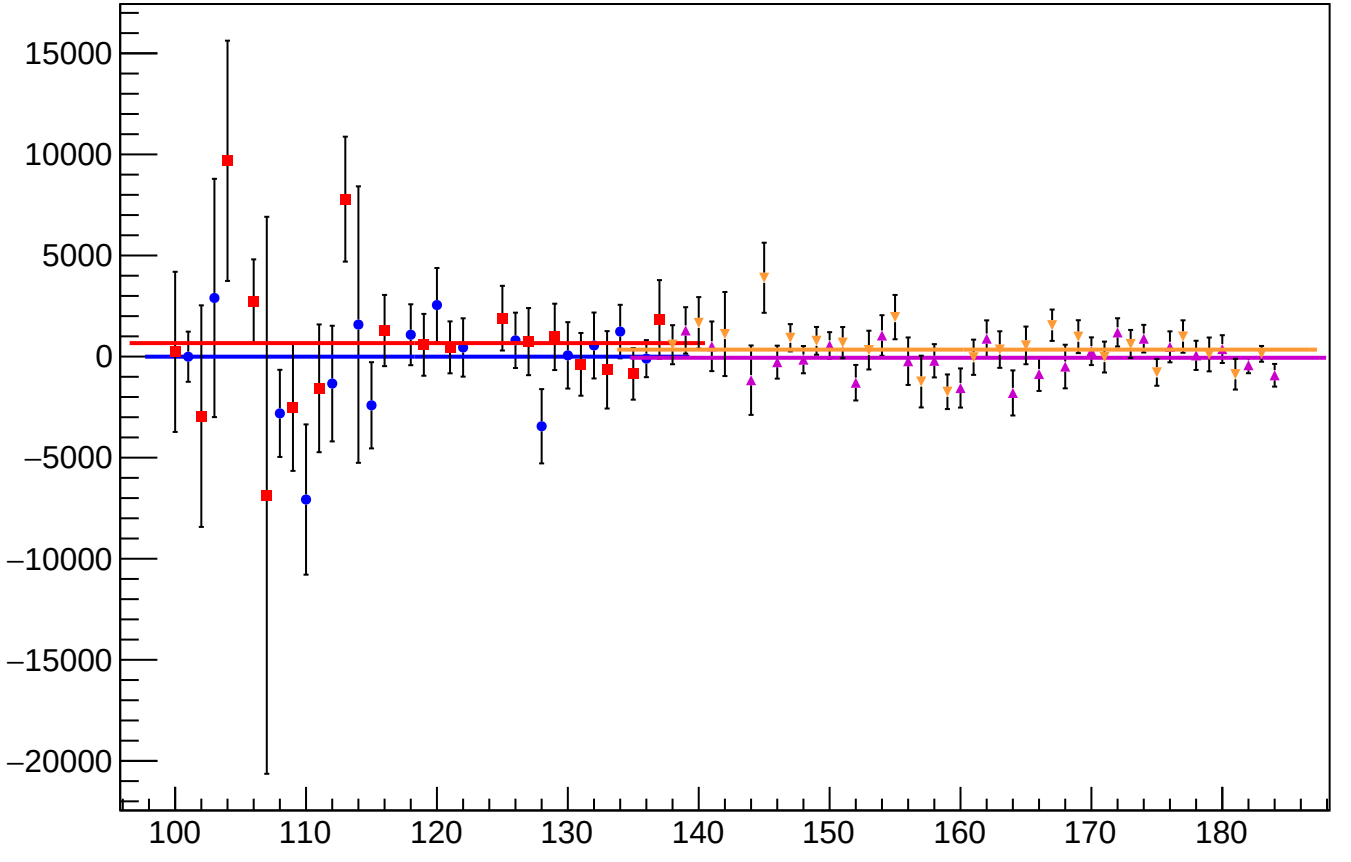
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2418.917+/-0.339 χ^2/NDF: 299775.1/38

All: 2431.429+/-0.241 χ^2/NDF: 877821.8/79

- sign 2444.227+/-0.343 χ^2/NDF: 575297.9/40

asym_atl1_dit_correction_mean vs Slug



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

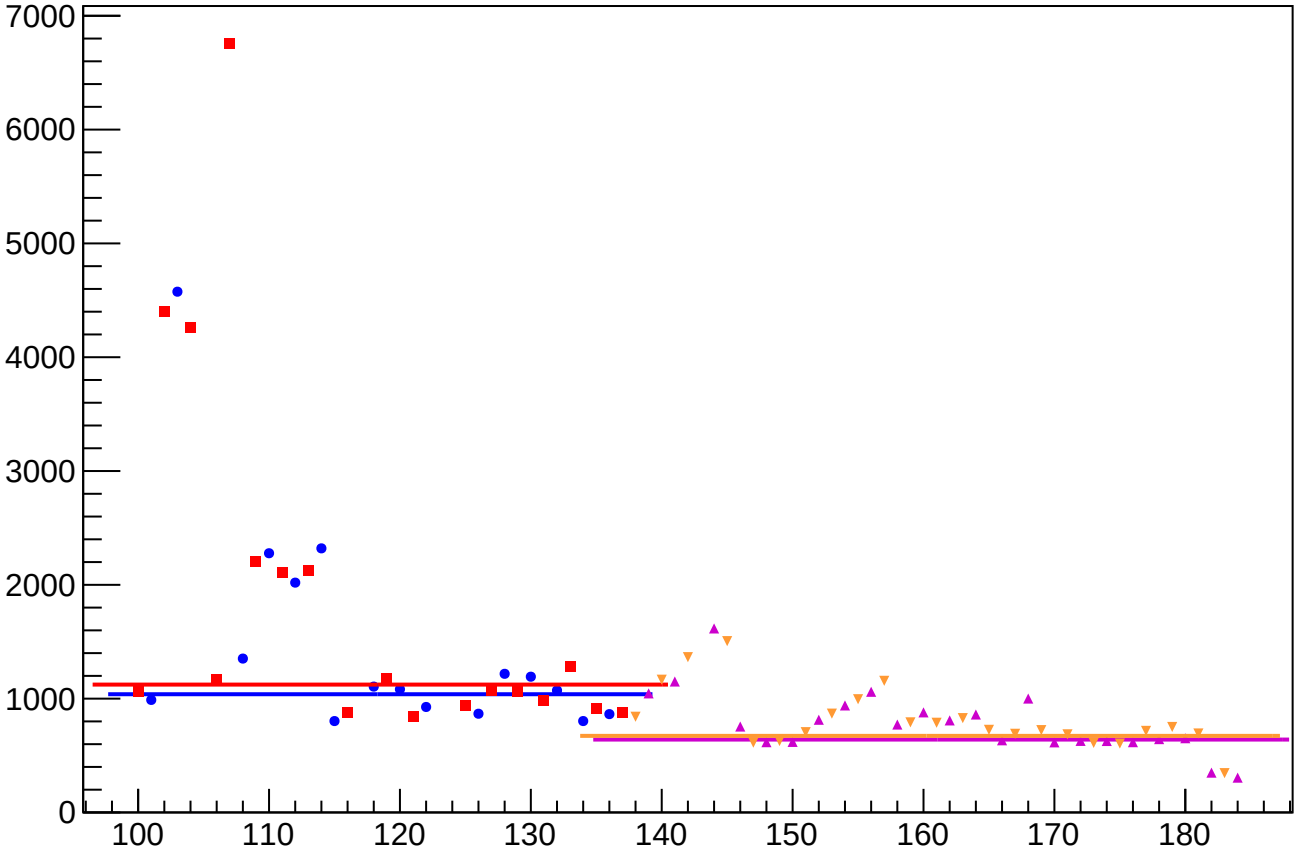
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 295.485+/-153.852 χ^2/NDF: 41.7/38

All: 154.143+/-107.716 χ^2/NDF: 82.7/79

- sign 18.246+/-150.859 χ^2/NDF: 39.3/40

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

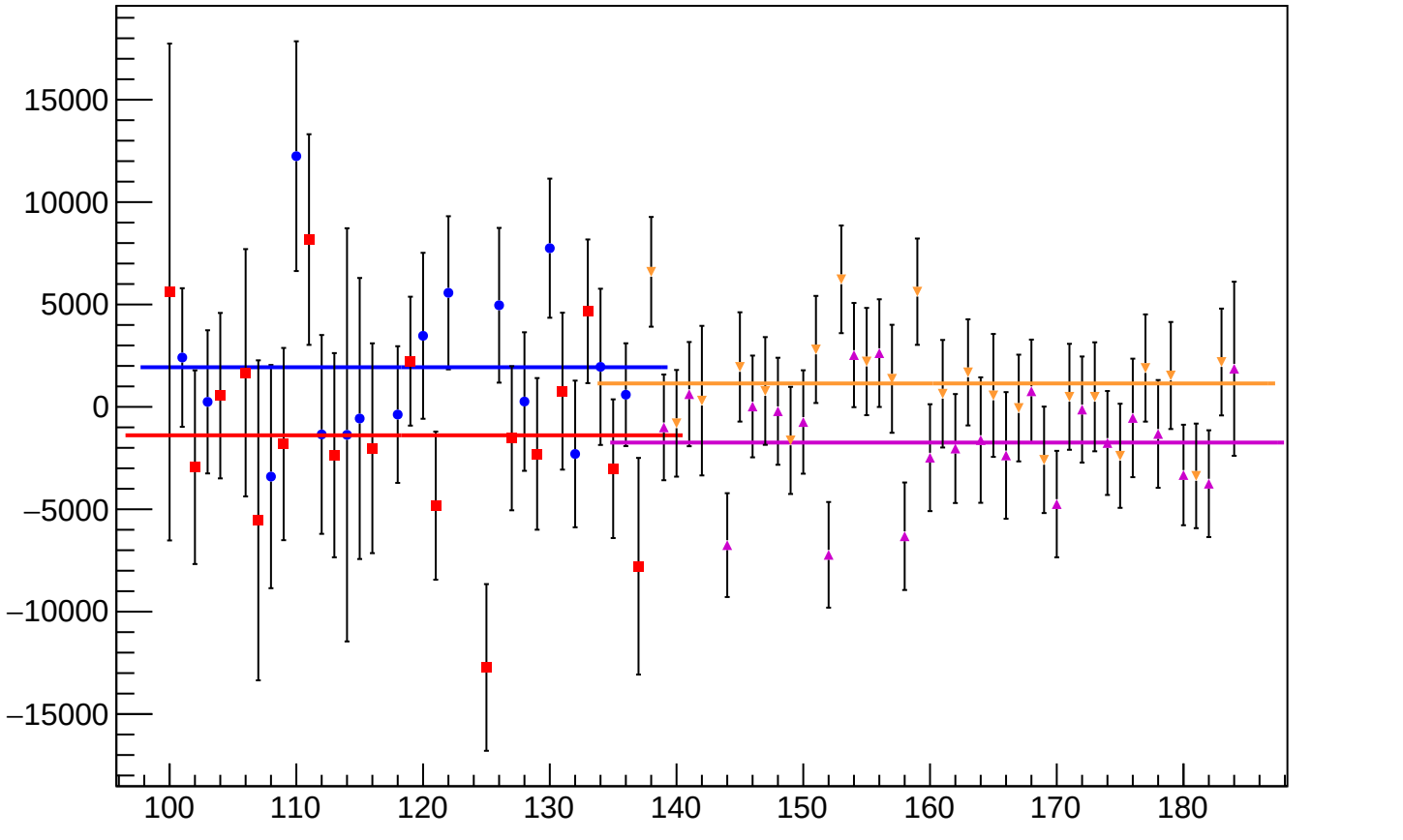
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 723.911+/-0.109 χ^2/NDF: 6127817.1/38

All: 707.775+/-0.076 χ^2/NDF: 14799657.2/79

- sign 692.260+/-0.107 χ^2/NDF: 8628688.8/40



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1144.964+/-553.855 χ^2/NDF:21.1/22

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

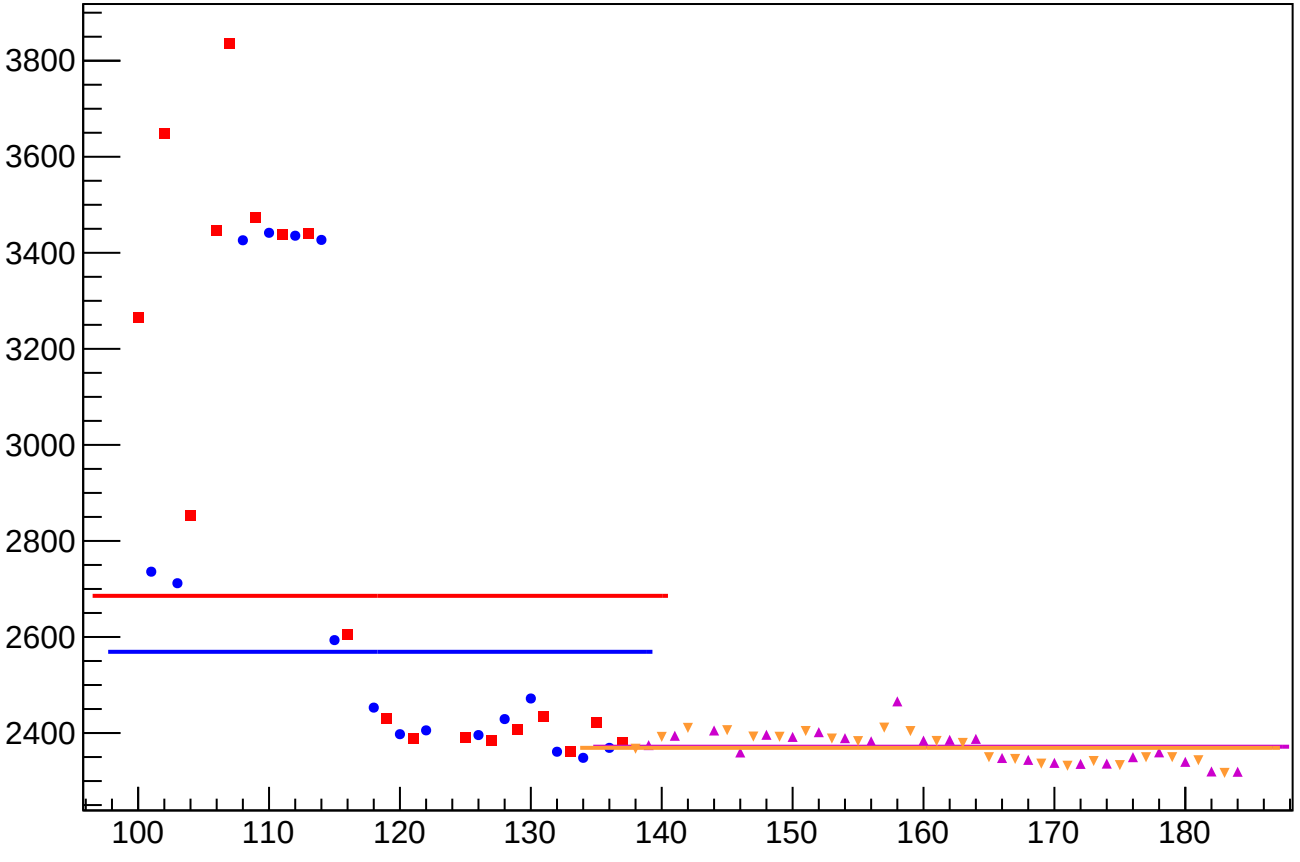
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1341.790+/-480.028 χ^2/NDF: 34.0/38

All: -142.307+/-341.336 χ^2/NDF: 96.9/79

- sign -1660.199+/-485.463 χ^2/NDF: 43.6/40

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

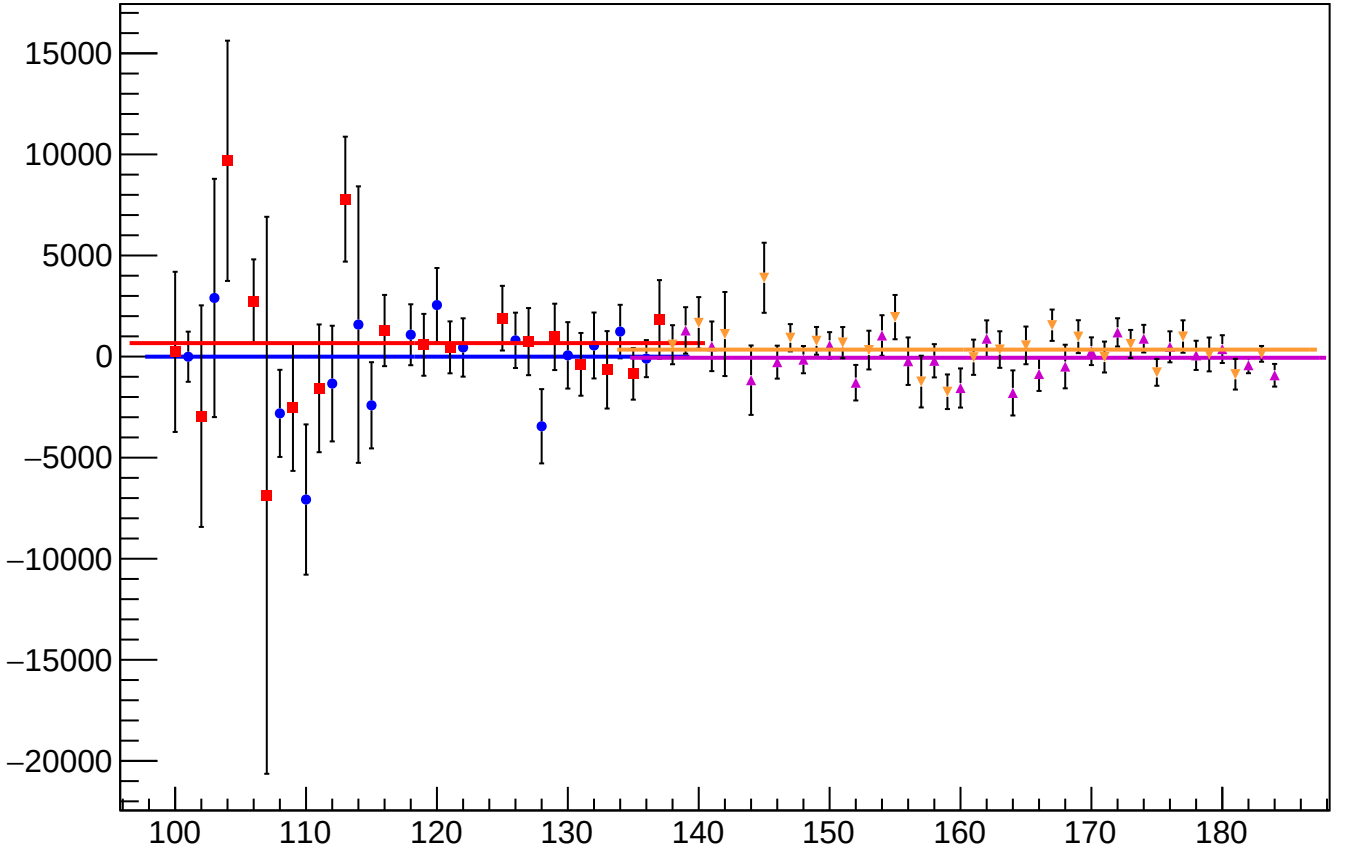
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2418.917+/-0.339 χ^2/NDF: 299774.6/38

All: 2431.429+/-0.241 χ^2/NDF: 877820.3/79

- sign 2444.227+/-0.343 χ^2/NDF: 575296.9/40

asym_atl1_eigen_dit_correction_mean vs Slug



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

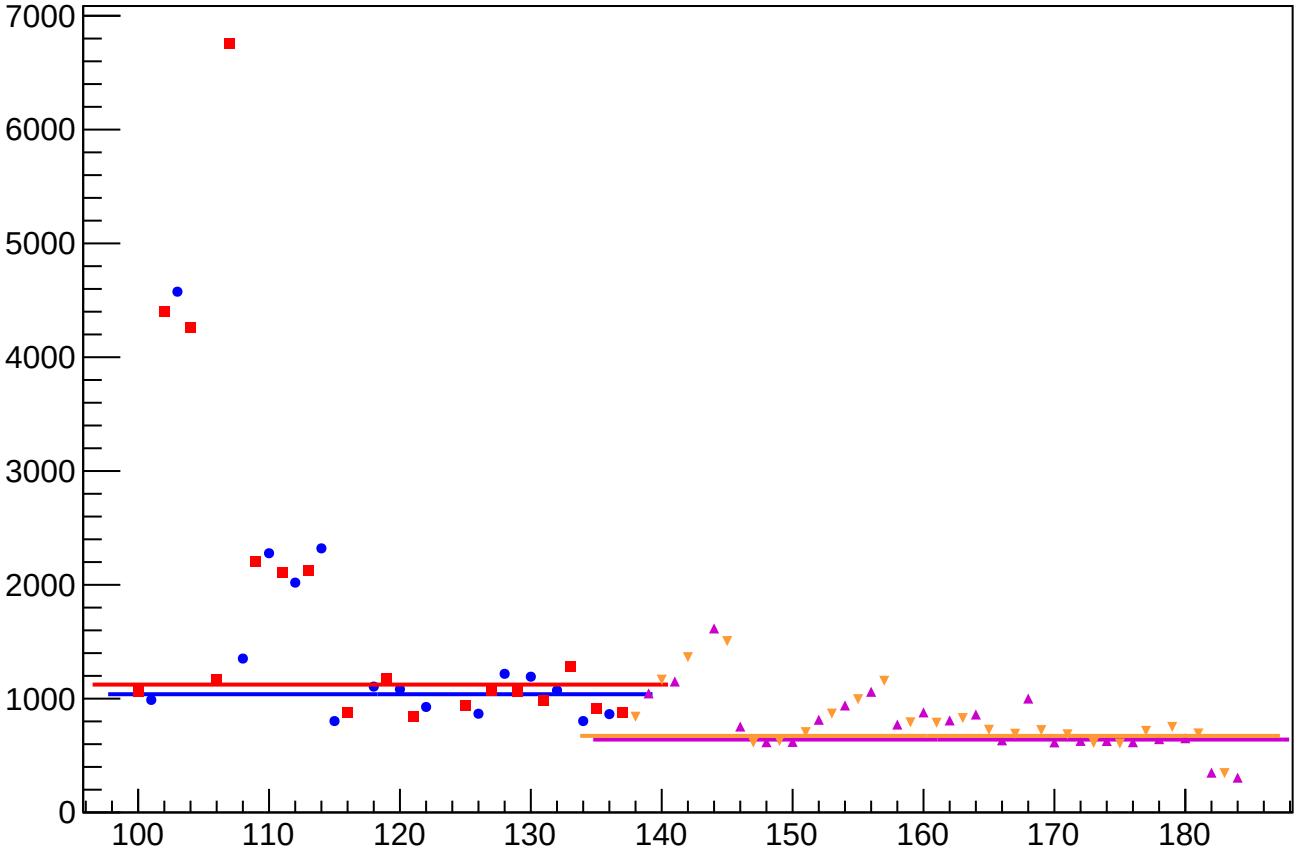
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 295.485+/-153.852 χ^2/NDF: 41.7/38

All: 154.142+/-107.716 χ^2/NDF: 82.7/79

- sign 18.246+/-150.859 χ^2/NDF: 39.3/40

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

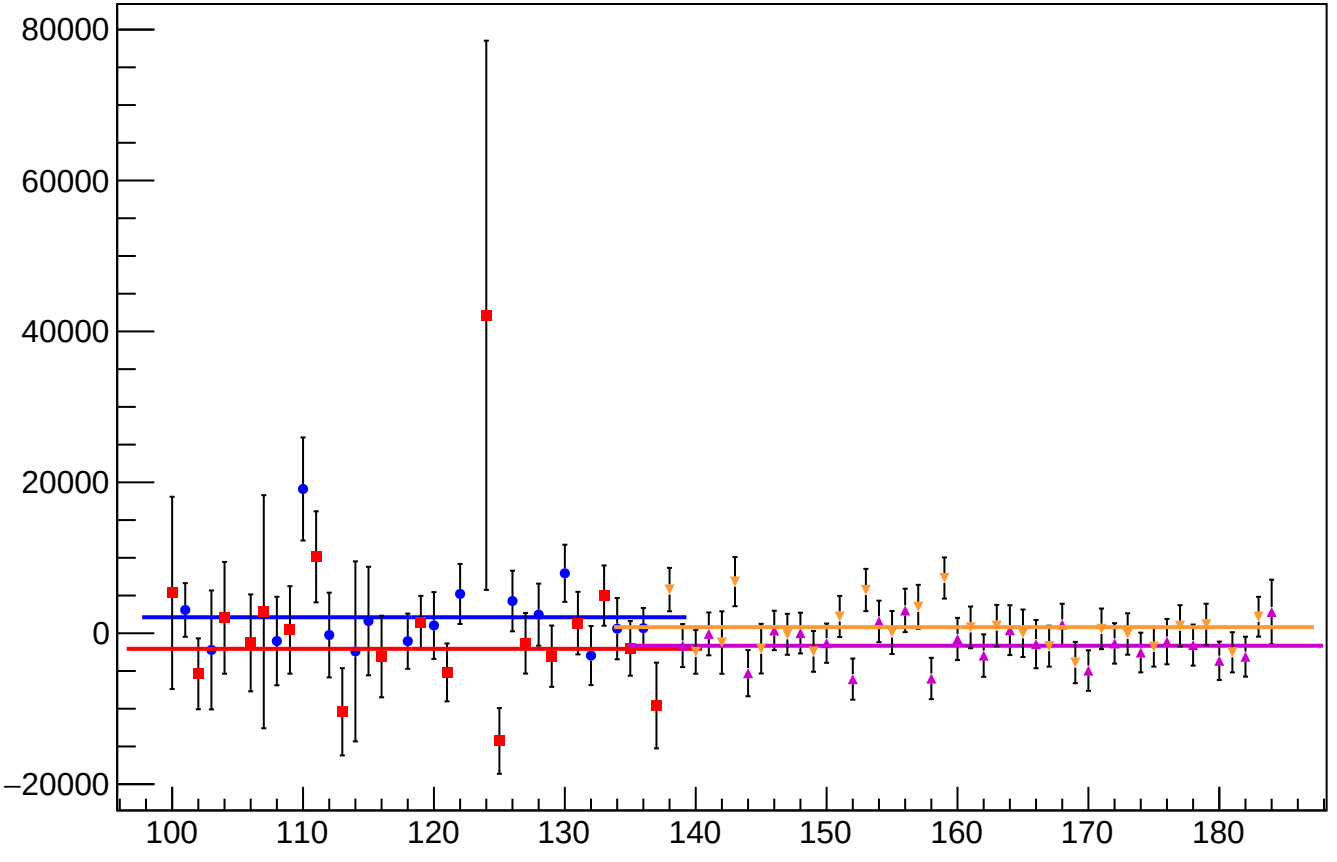
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 723.912+/-0.109 χ^2/NDF: 6127815.2/38

All: 707.776+/-0.076 χ^2/NDF: 14799661.4/79

- sign 692.261+/-0.107 χ^2/NDF: 8628694.5/40

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

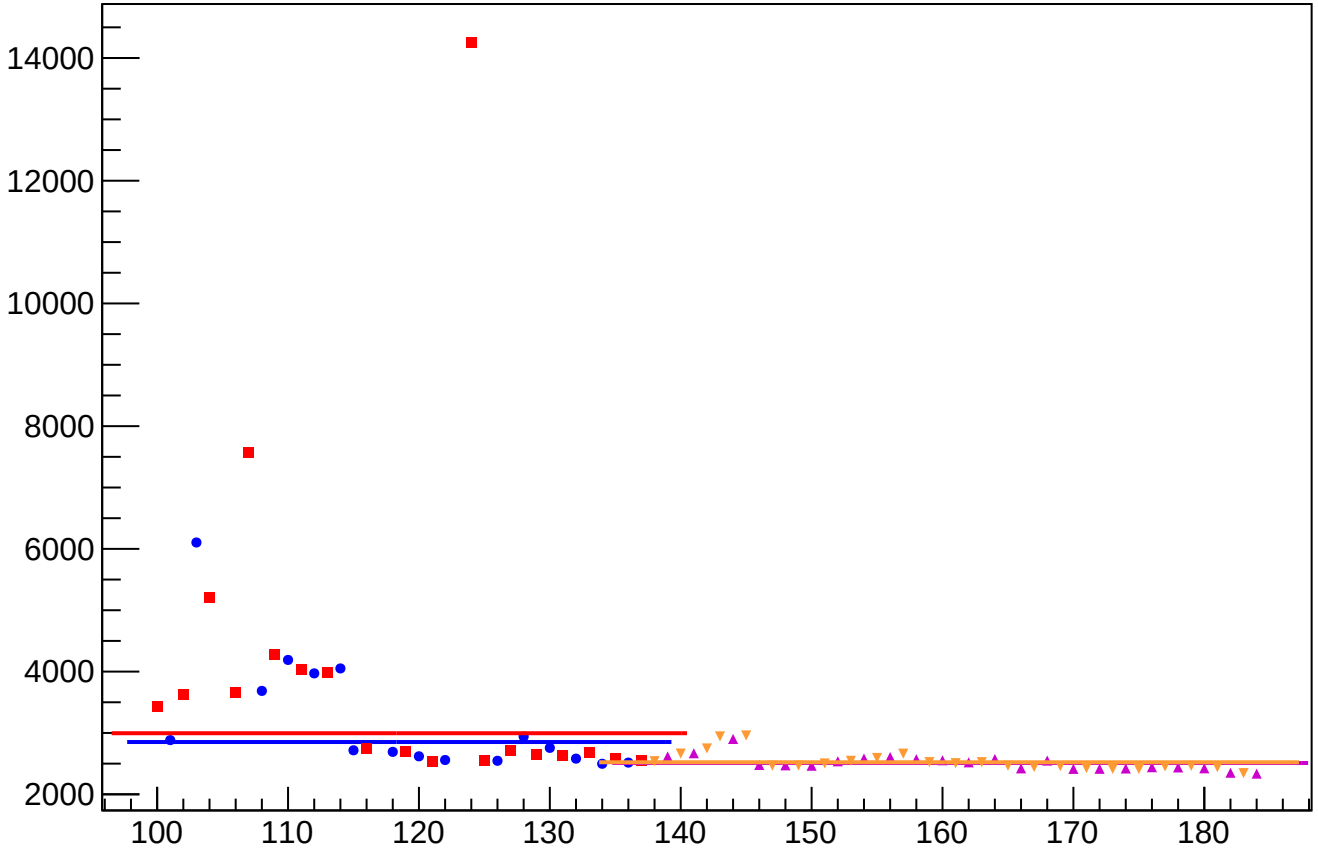
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1100.067+/-509.914 χ^2/NDF: 41.6/39

All: -288.245+/-364.560 χ^2/NDF: 98.5/81

- sign -1739.850+/-521.408 χ^2/NDF: 41.7/41

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

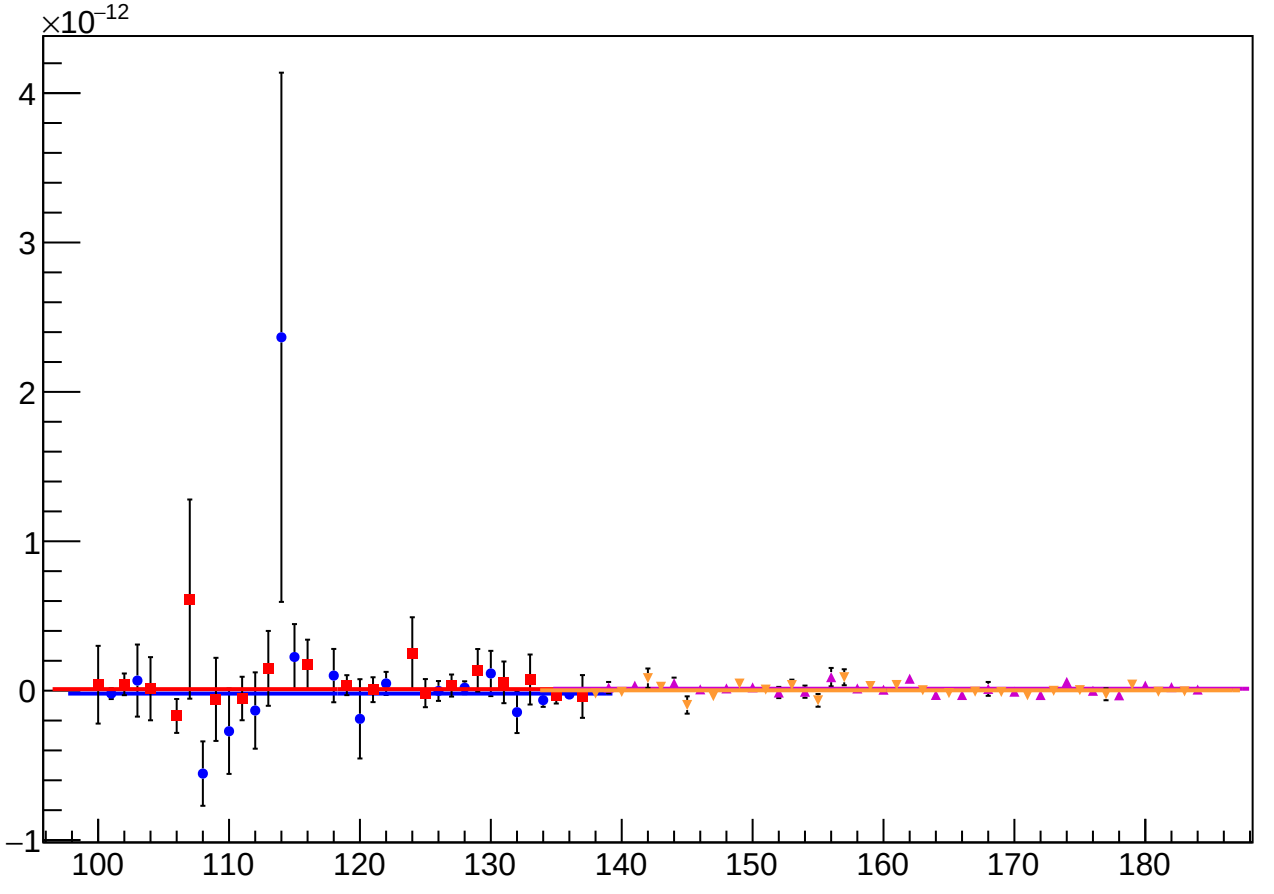
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2595.065+/-0.361 χ^2/NDF: 905564.8/39

All: 2603.472+/-0.258 χ^2/NDF: 2247506.3/81

- sign 2612.263+/-0.369 χ^2/NDF: 1340829.3/41

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

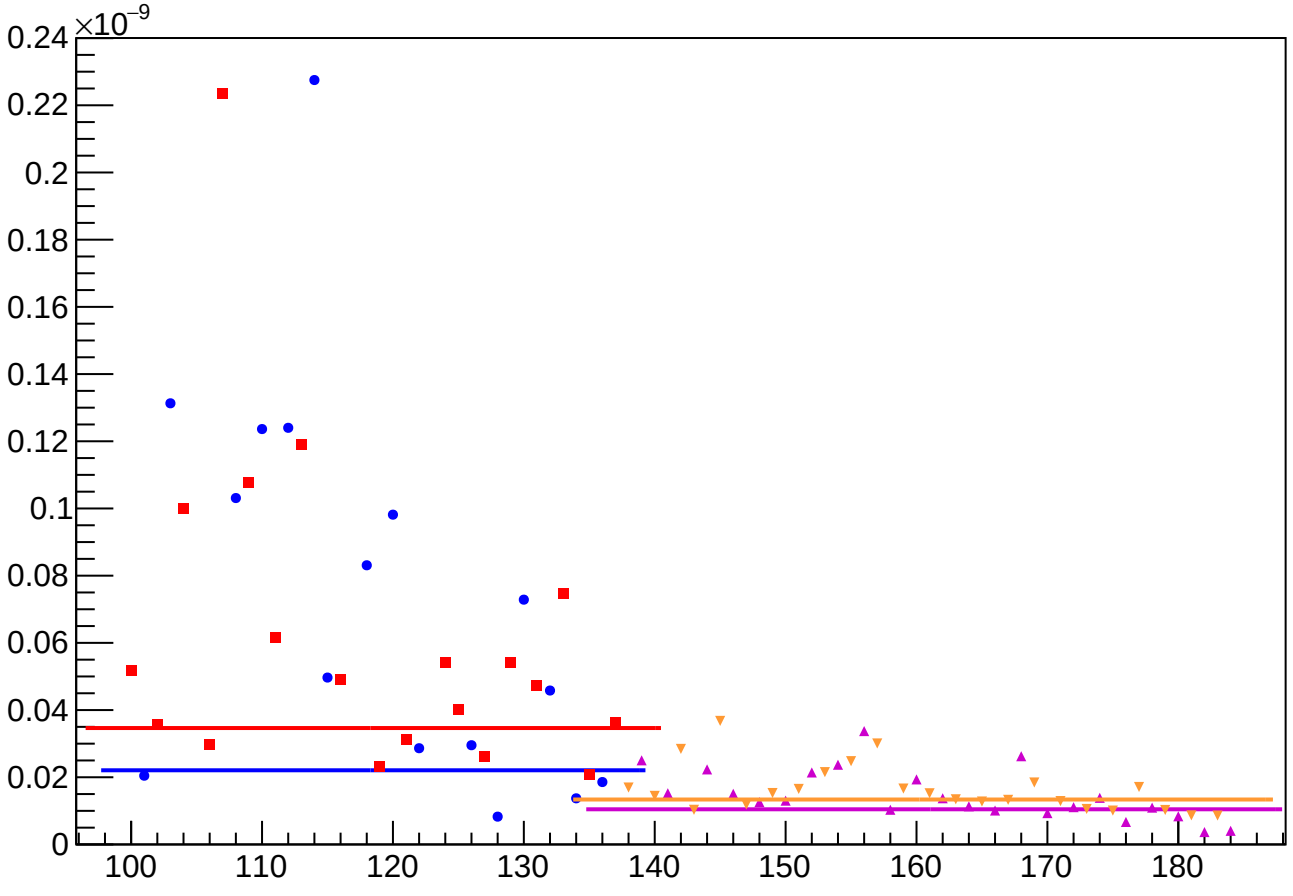
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/39

All: 0.000+/-0.000 χ^2/NDF: 87.9/81

- sign 0.000+/-0.000 χ^2/NDF: 40.6/41

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

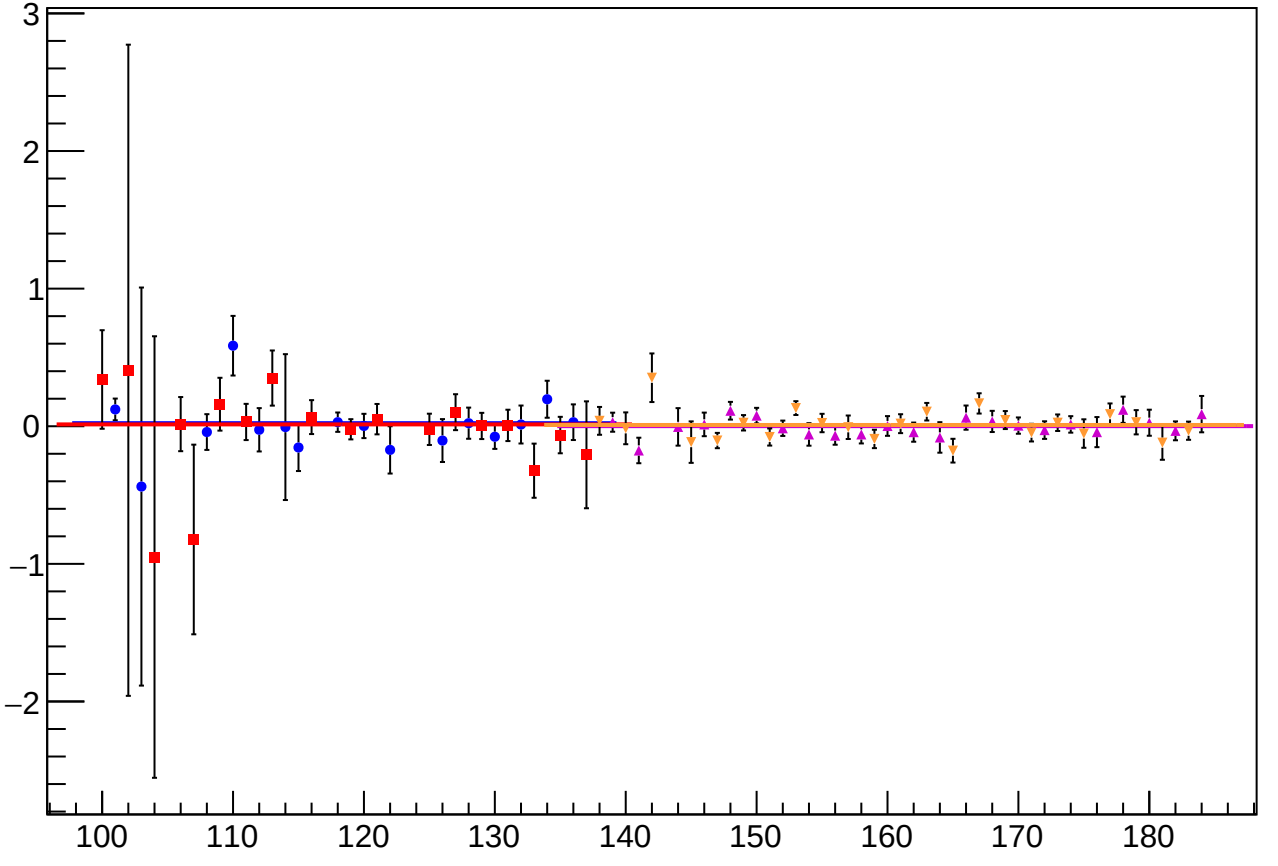
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4256280.6/39

All: 0.000+/-0.000 χ^2/NDF: 10521649.2/81

- sign 0.000+/-0.000 χ^2/NDF: 5944000.7/41

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

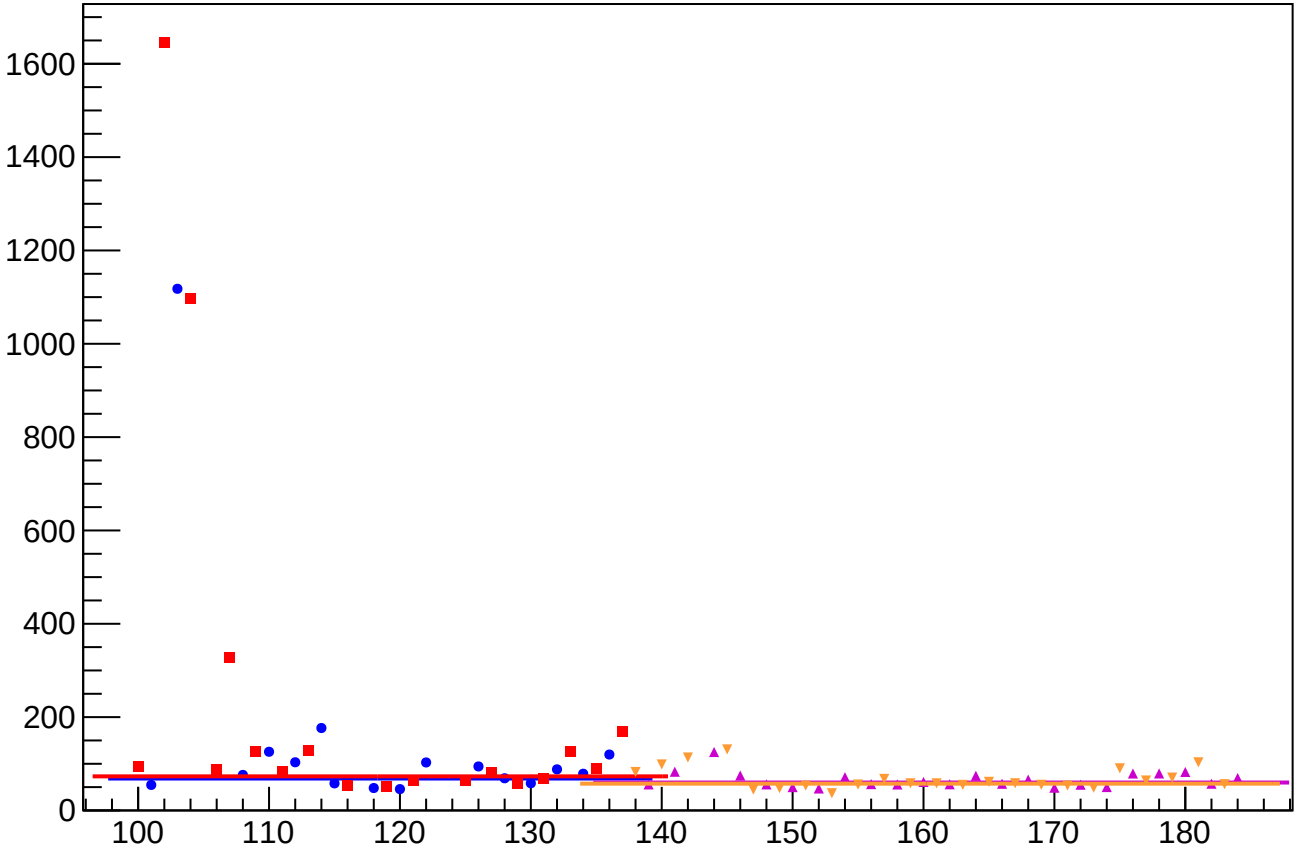
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/38

All: 0.008+/-0.010 χ^2/NDF: 76.4/79

- sign 0.003+/-0.014 χ^2/NDF: 26.5/40

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

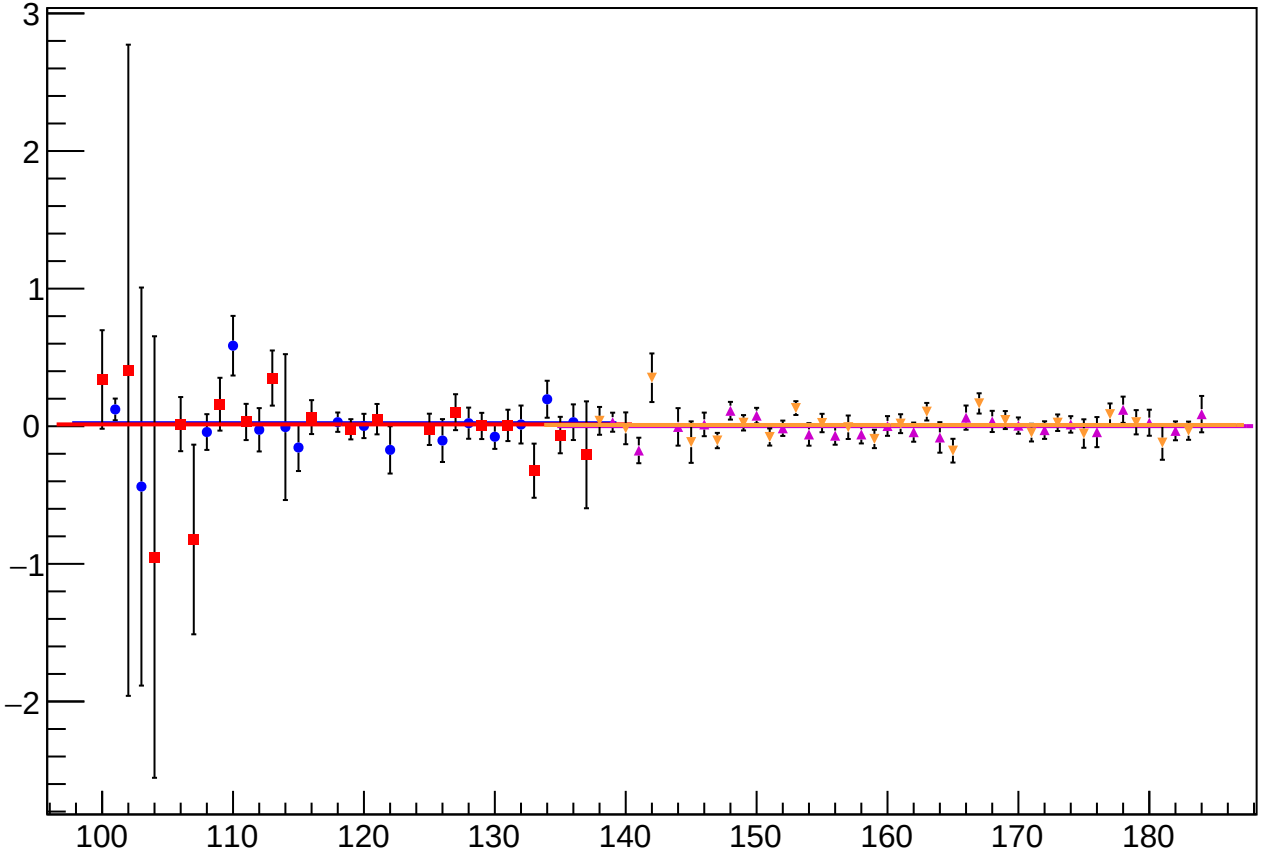
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.651+/-0.010 χ^2/NDF: 4673776.8/38

All: 60.862+/-0.007 χ^2/NDF: 9218544.0/79

- sign 62.164+/-0.010 χ^2/NDF: 4511659.5/40

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

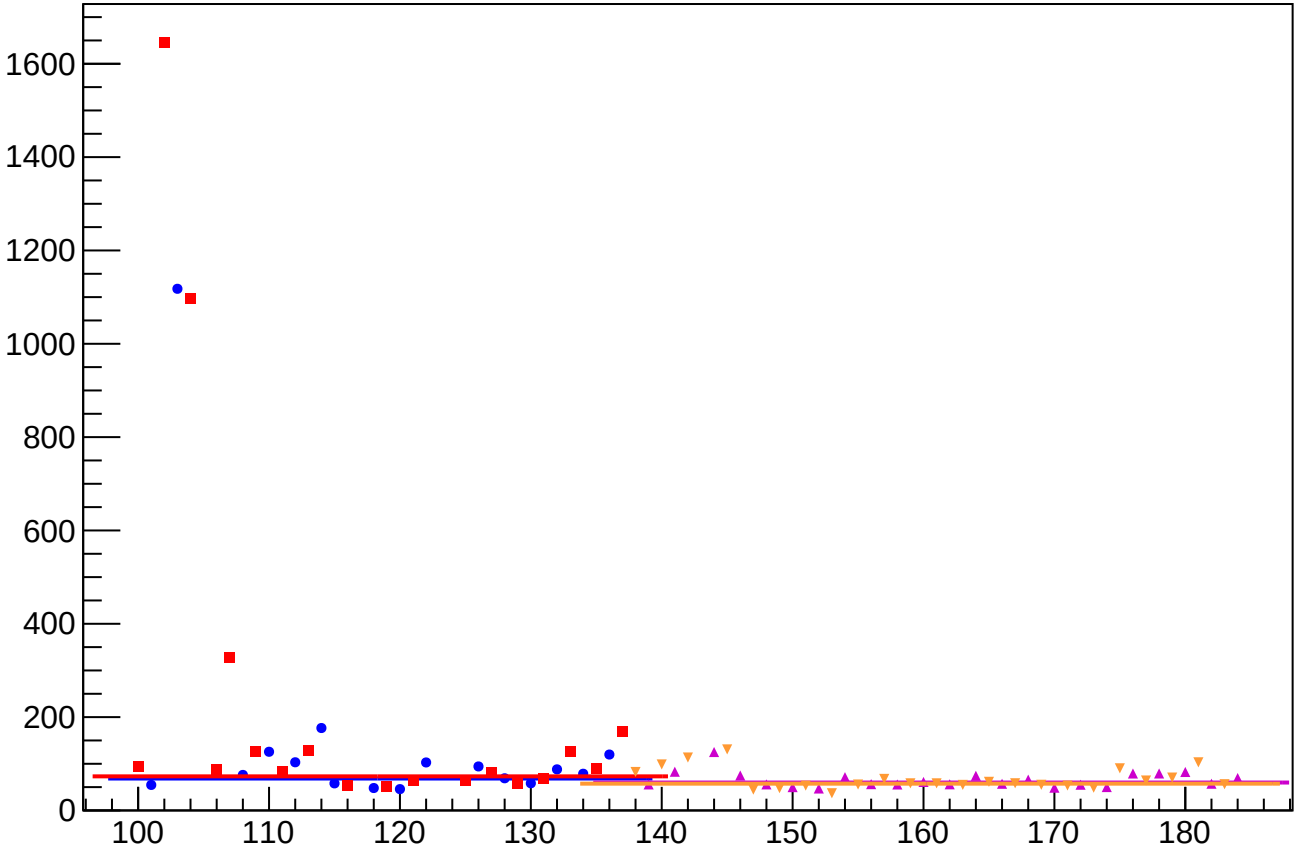
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/38

All: 0.008+/-0.010 χ^2/NDF: 76.4/79

- sign 0.003+/-0.014 χ^2/NDF: 26.5/40

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

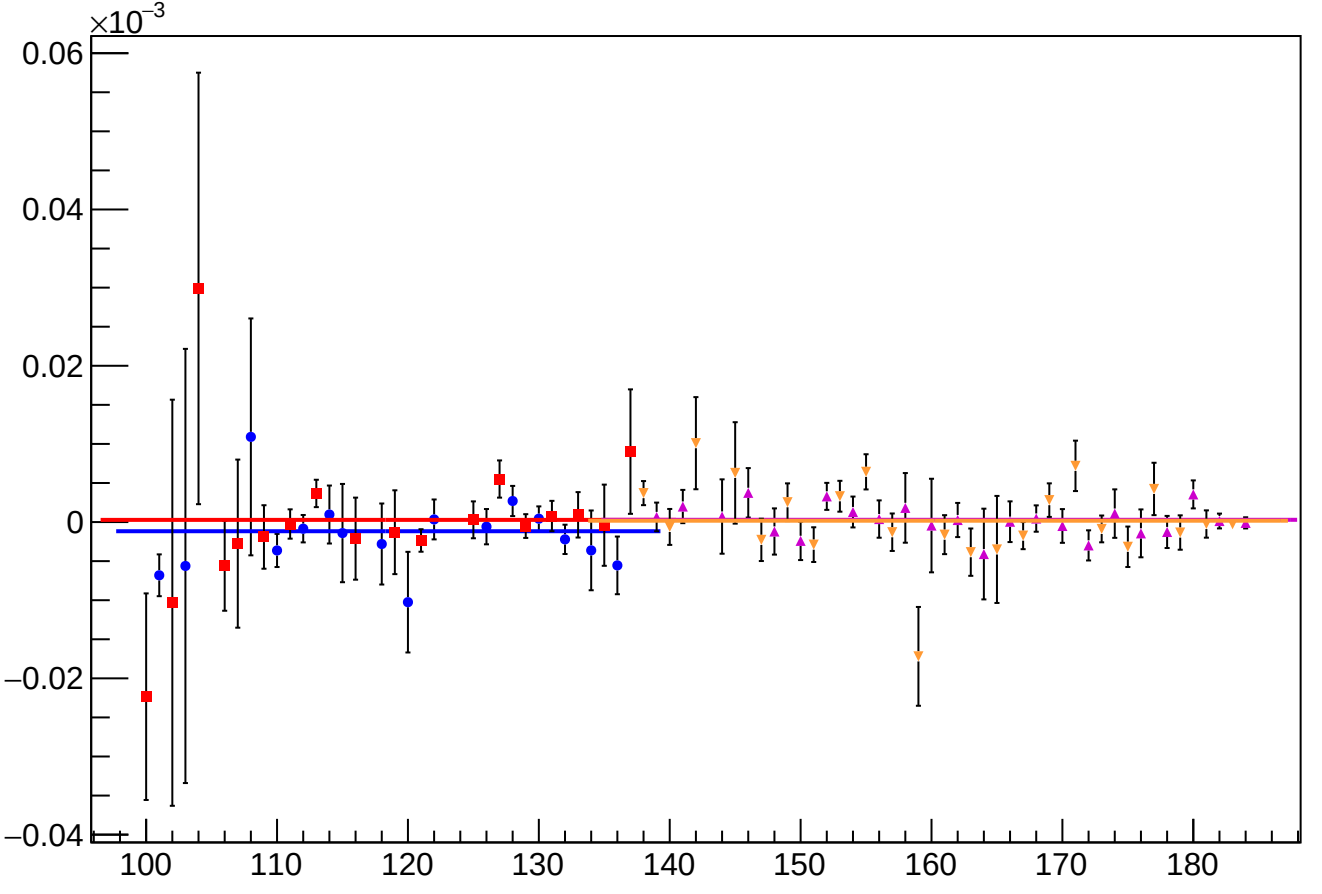
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.651+/-0.010 χ^2/NDF: 4673776.8/38

All: 60.862+/-0.007 χ^2/NDF: 9218544.0/79

- sign 62.164+/-0.010 χ^2/NDF: 4511659.5/40

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

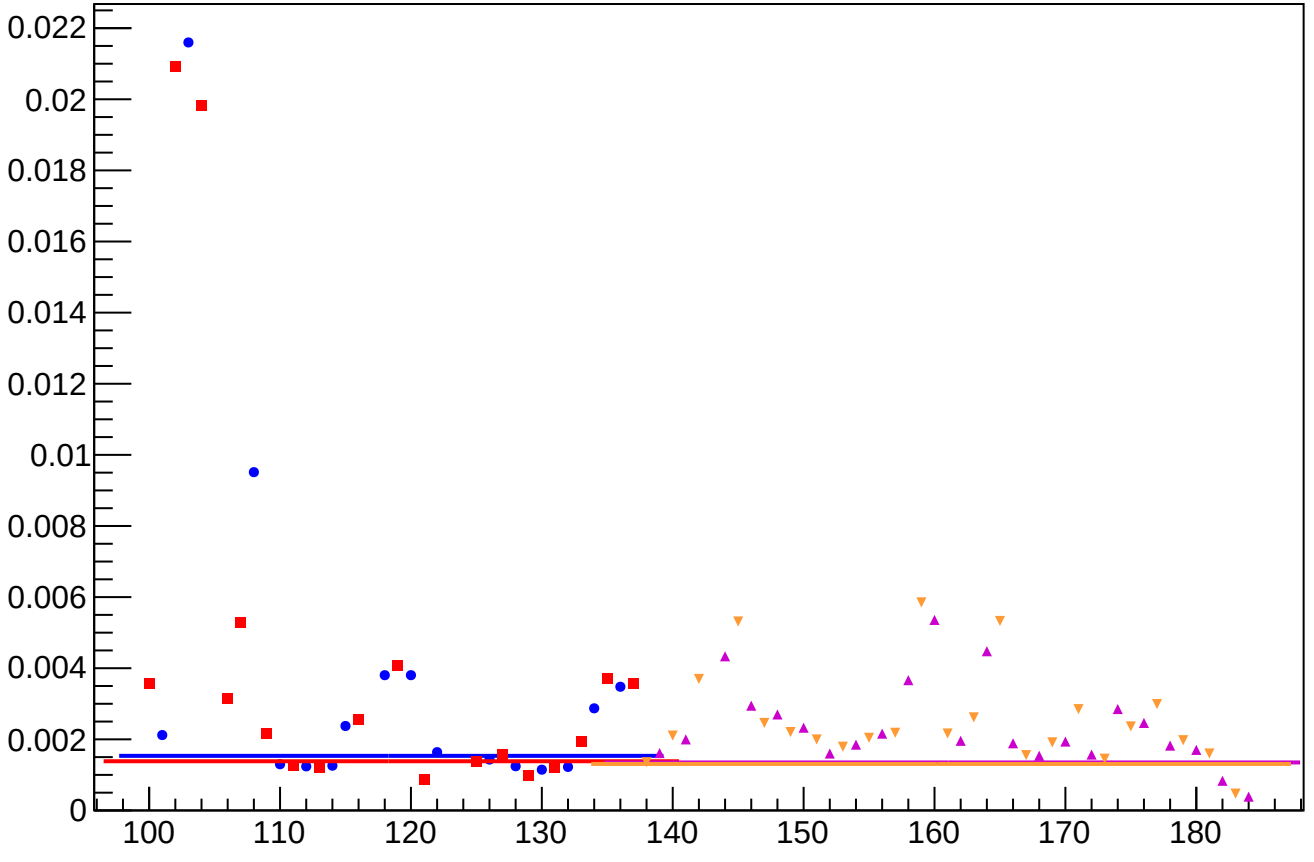
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.0/38

All: 0.000+/-0.000 χ^2/NDF: 100.4/79

- sign 0.000+/-0.000 χ^2/NDF: 34.5/40

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

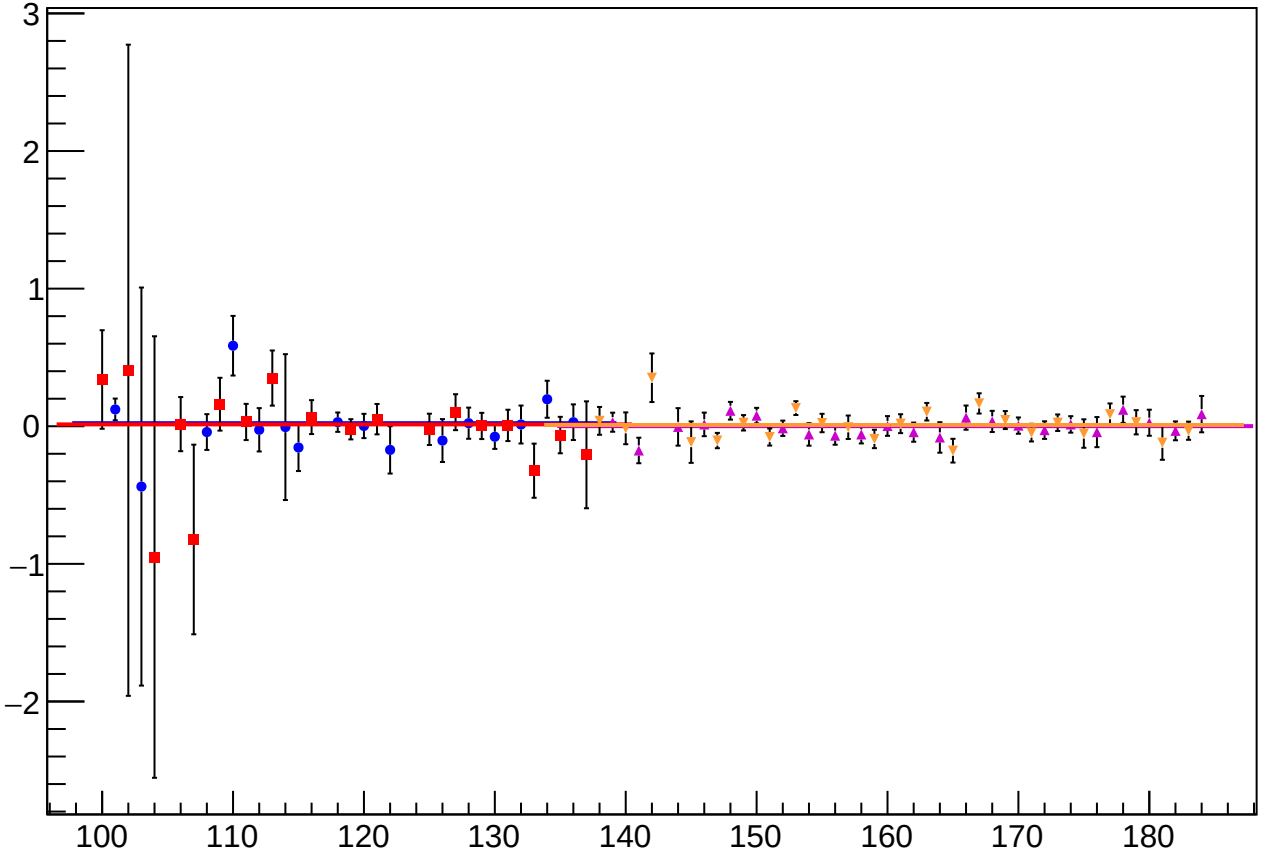
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 14812511.0/38

All: 0.001+/-0.000 χ^2/NDF: 29333019.2/79

- sign 0.001+/-0.000 χ^2/NDF: 14520356.9/40

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

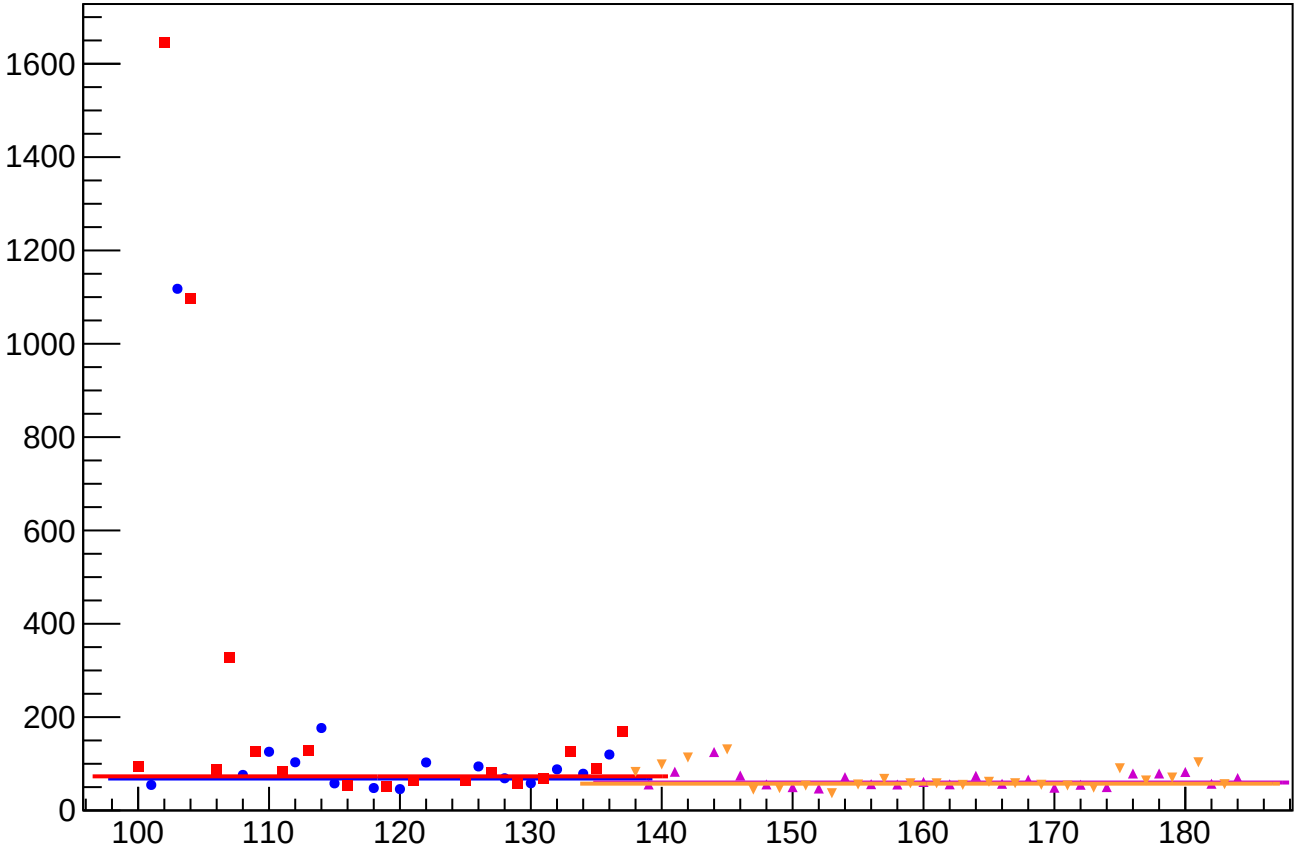
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/38

All: 0.008+/-0.010 χ^2/NDF: 76.4/79

- sign 0.003+/-0.014 χ^2/NDF: 26.5/40

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

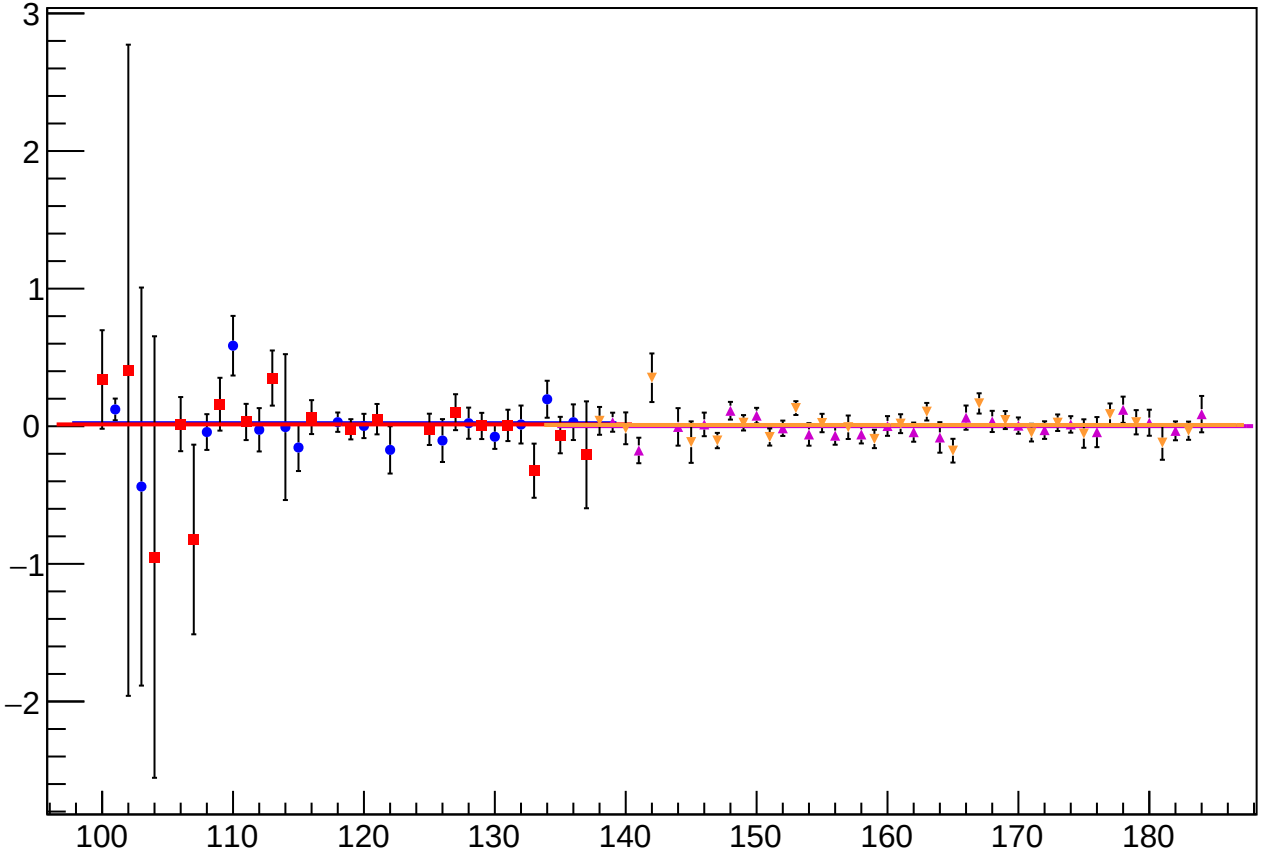
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.651+/-0.010 χ^2/NDF: 4673900.6/38

All: 60.862+/-0.007 χ^2/NDF: 9218646.5/79

- sign 62.164+/-0.010 χ^2/NDF: 4511632.1/40

asym_atl1_eigen_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

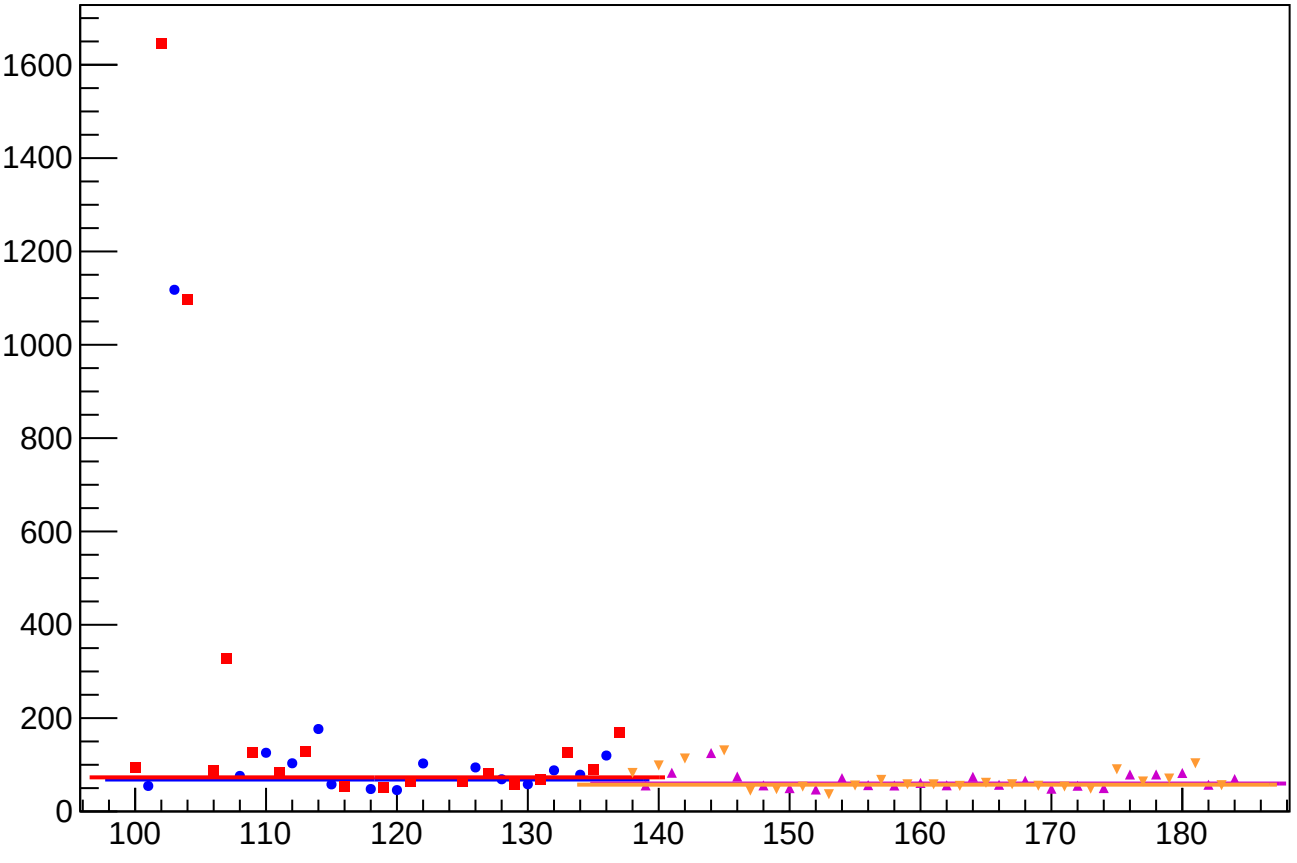
Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/38

All: 0.008+/-0.010 χ^2/NDF: 76.4/79

- sign 0.003+/-0.014 χ^2/NDF: 26.5/40



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

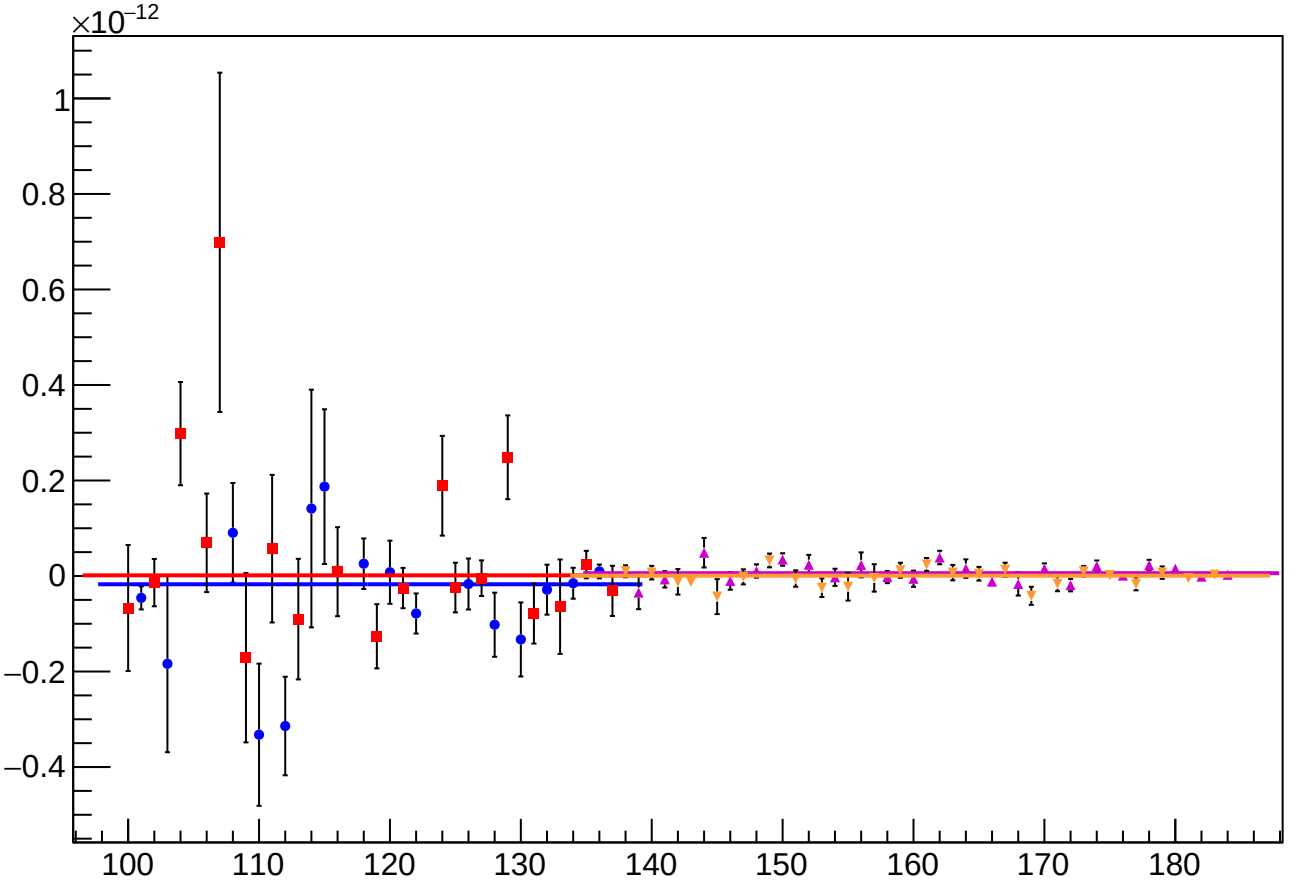
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

\+ sign 59.651+/-0.010 χ^2/NDF: 4673900.6/38

All: 60.862+/-0.007 χ^2/NDF: 9218646.5/79

\- sign 62.164+/-0.010 χ^2/NDF: 4511632.1/40

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

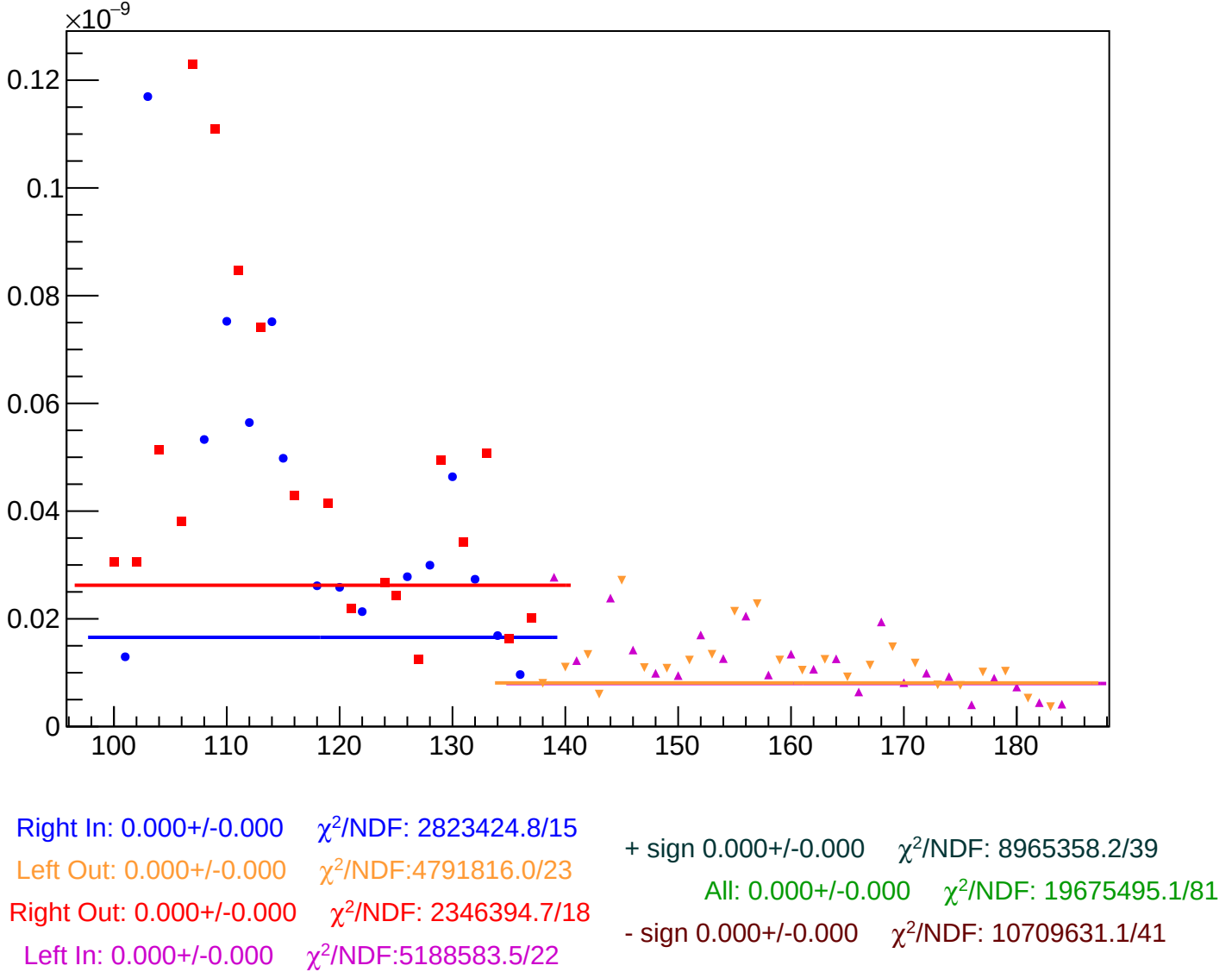
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

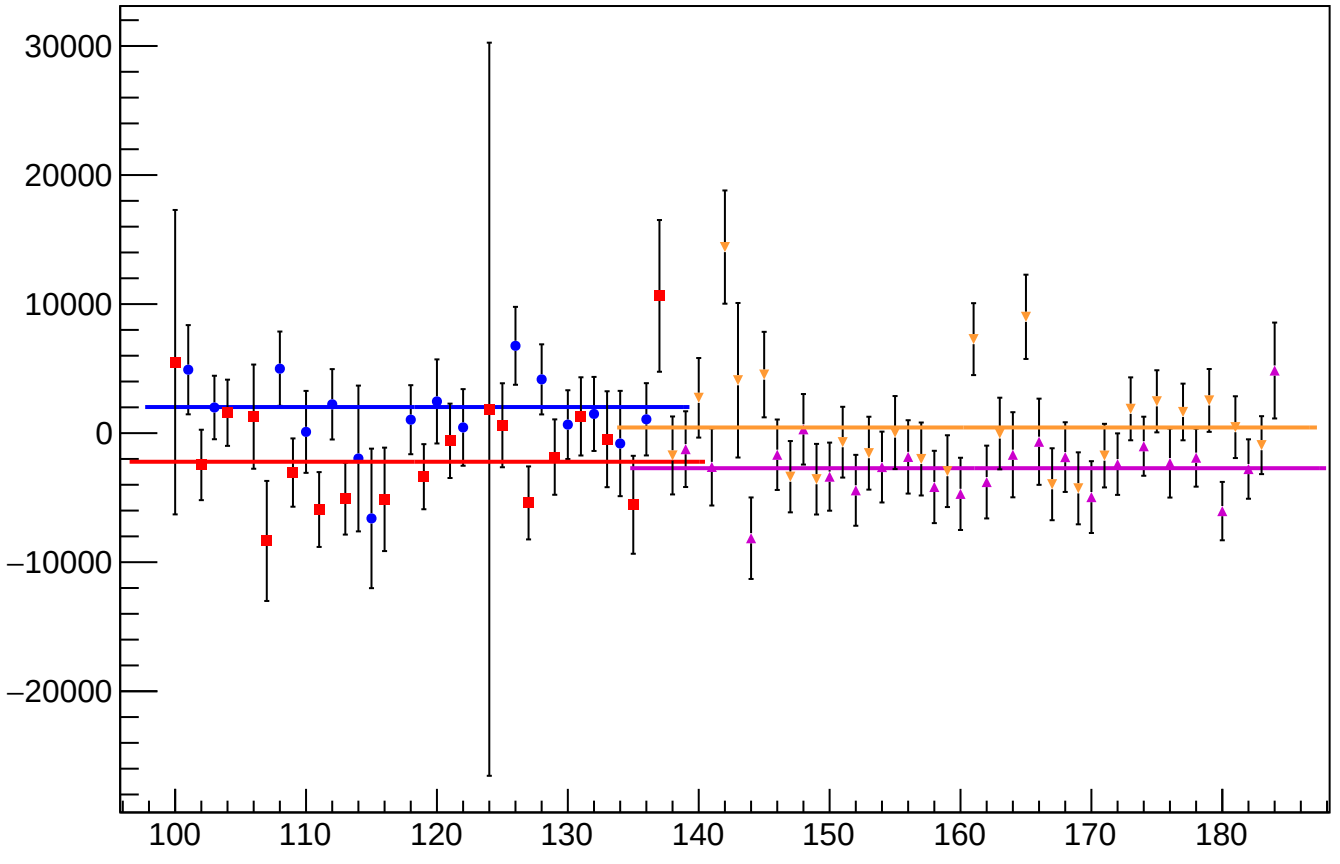
Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.9/39

All: 0.000+/-0.000 χ^2/NDF: 124.9/81

- sign 0.000+/-0.000 χ^2/NDF: 64.9/41


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:5188583.5/22
+ sign 0.000+/-0.000 χ²/NDF: 8965358.2/39
All: 0.000+/-0.000 χ²/NDF: 19675495.1/81
- sign 0.000+/-0.000 χ²/NDF: 10709631.1/41



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

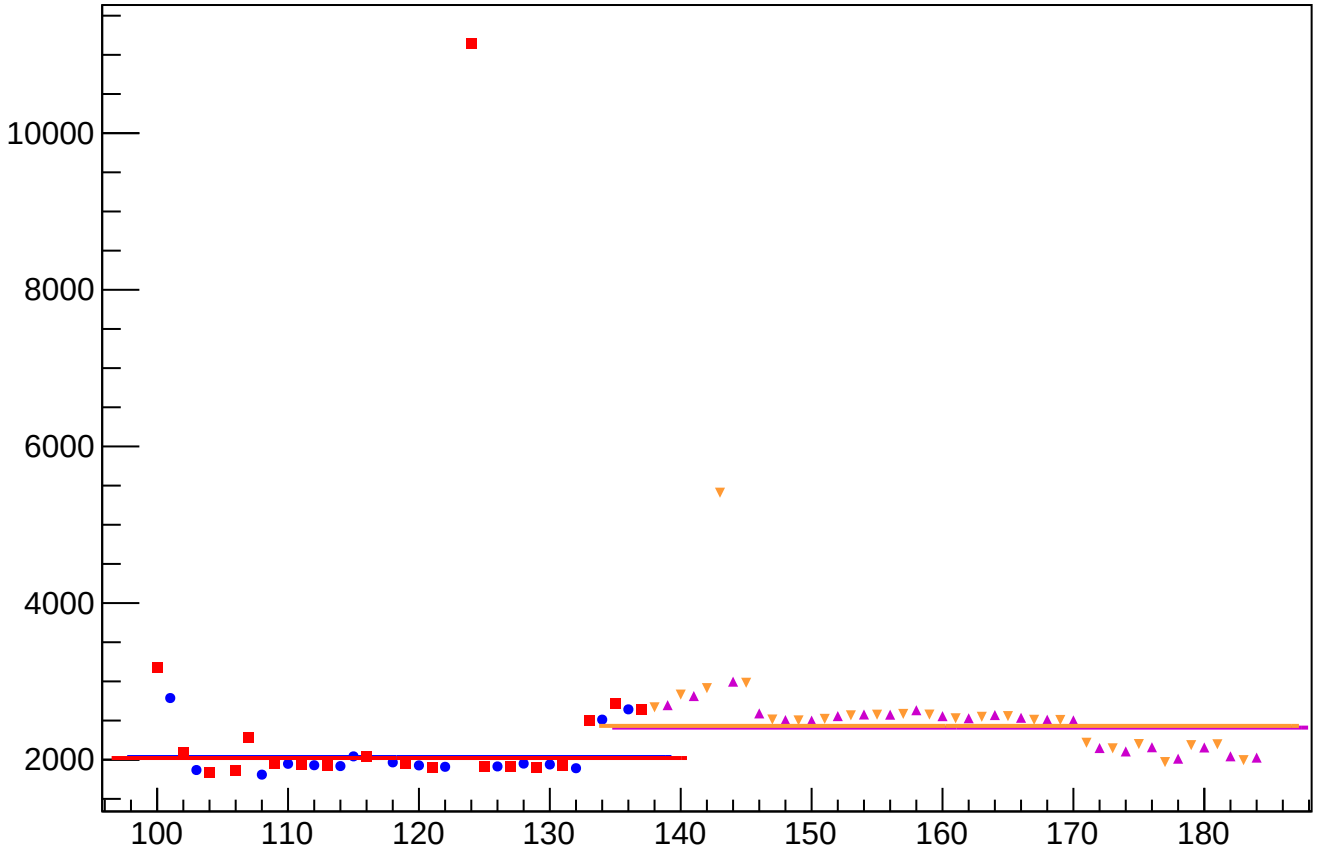
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 996.499+/-453.435 χ^2/NDF: 54.0/39

All: -771.058+/-320.551 χ^2/NDF: 117.1/81

- sign -2536.948+/-453.221 χ^2/NDF: 32.7/41

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

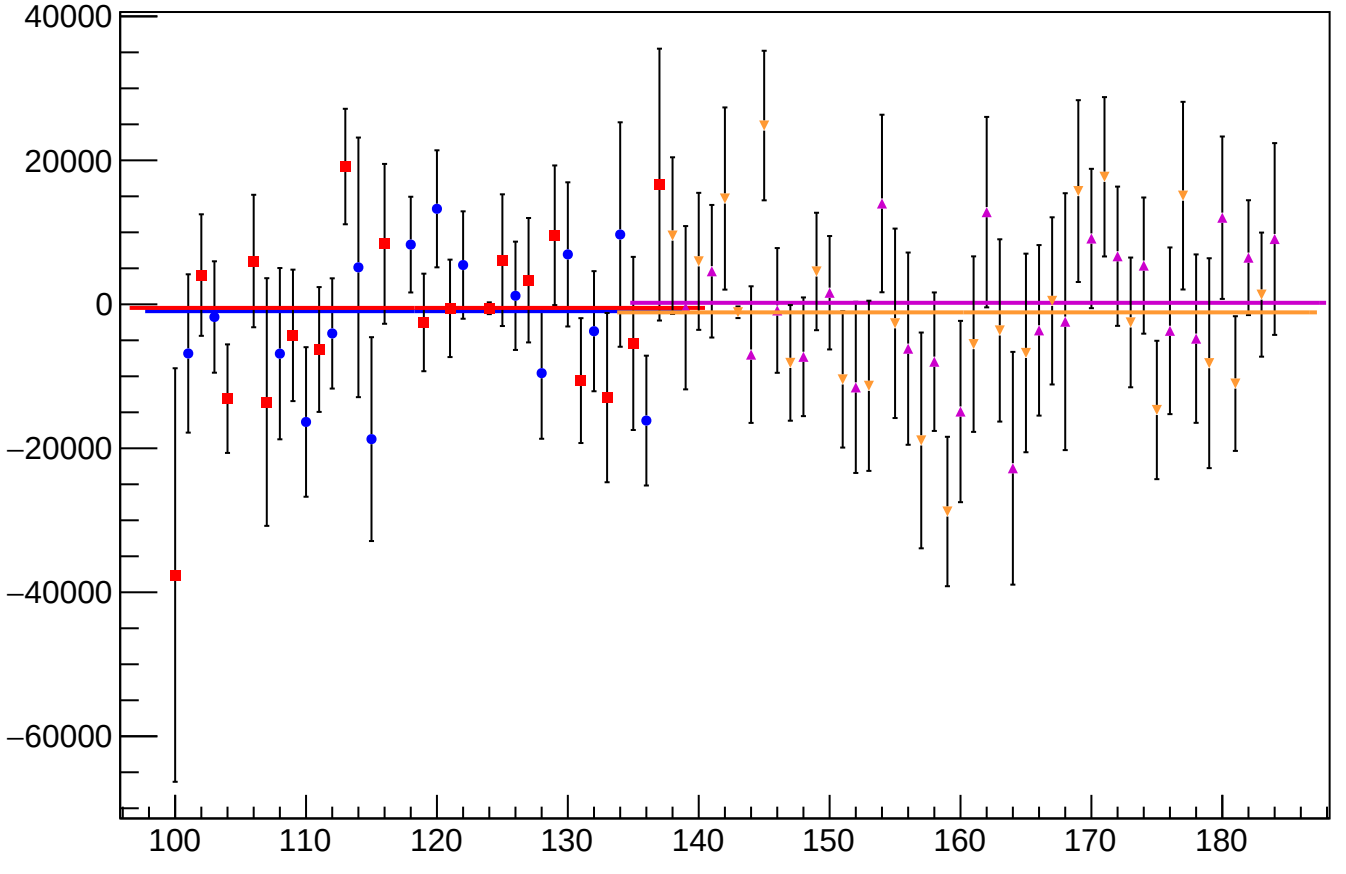
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2292.002+/-0.321 χ^2/NDF: 1537722.2/39

All: 2281.159+/-0.227 χ^2/NDF: 2696589.7/81

- sign 2270.326+/-0.320 χ^2/NDF: 1156581.0/41

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

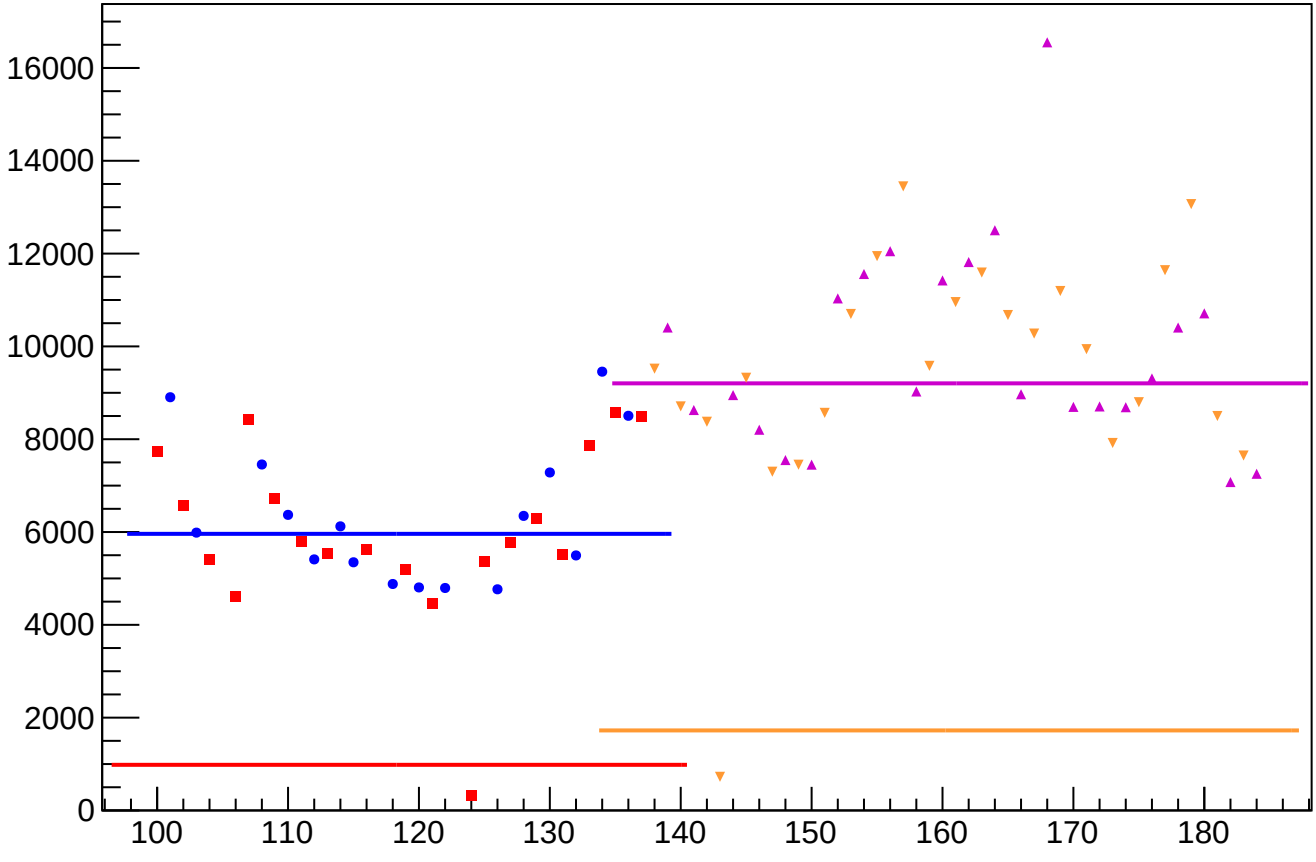
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1101.403+/-719.889 χ^2/NDF: 46.2/39

All: -763.276+/-510.889 χ^2/NDF: 78.6/81

- sign -420.187+/-725.152 χ^2/NDF: 32.0/41

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

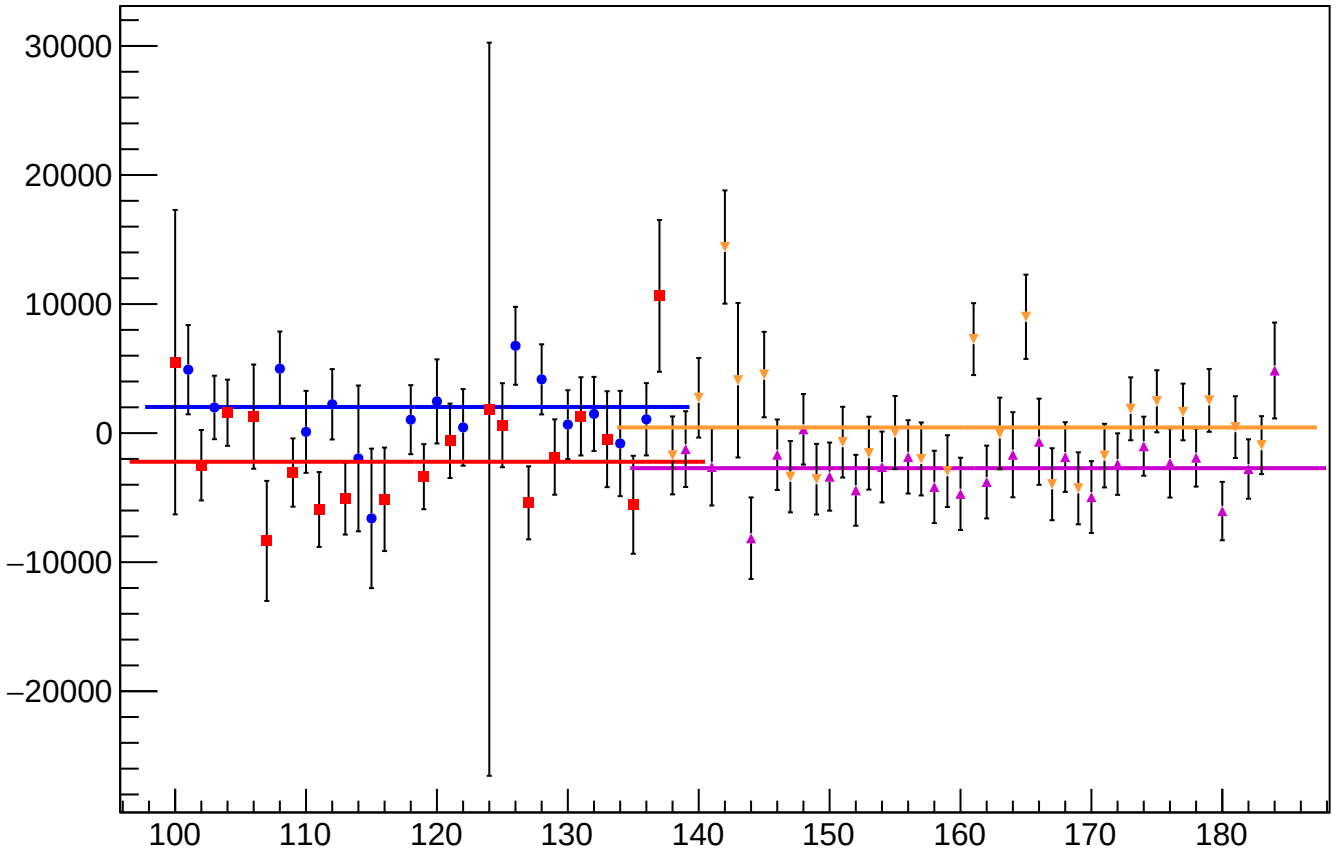
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2147.541+/-0.509 χ^2/NDF: 34335899.1/39

All: 2014.972+/-0.361 χ^2/NDF: 72149779.7/8

- sign 1880.458+/-0.513 χ^2/NDF: 37677238.5/41



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

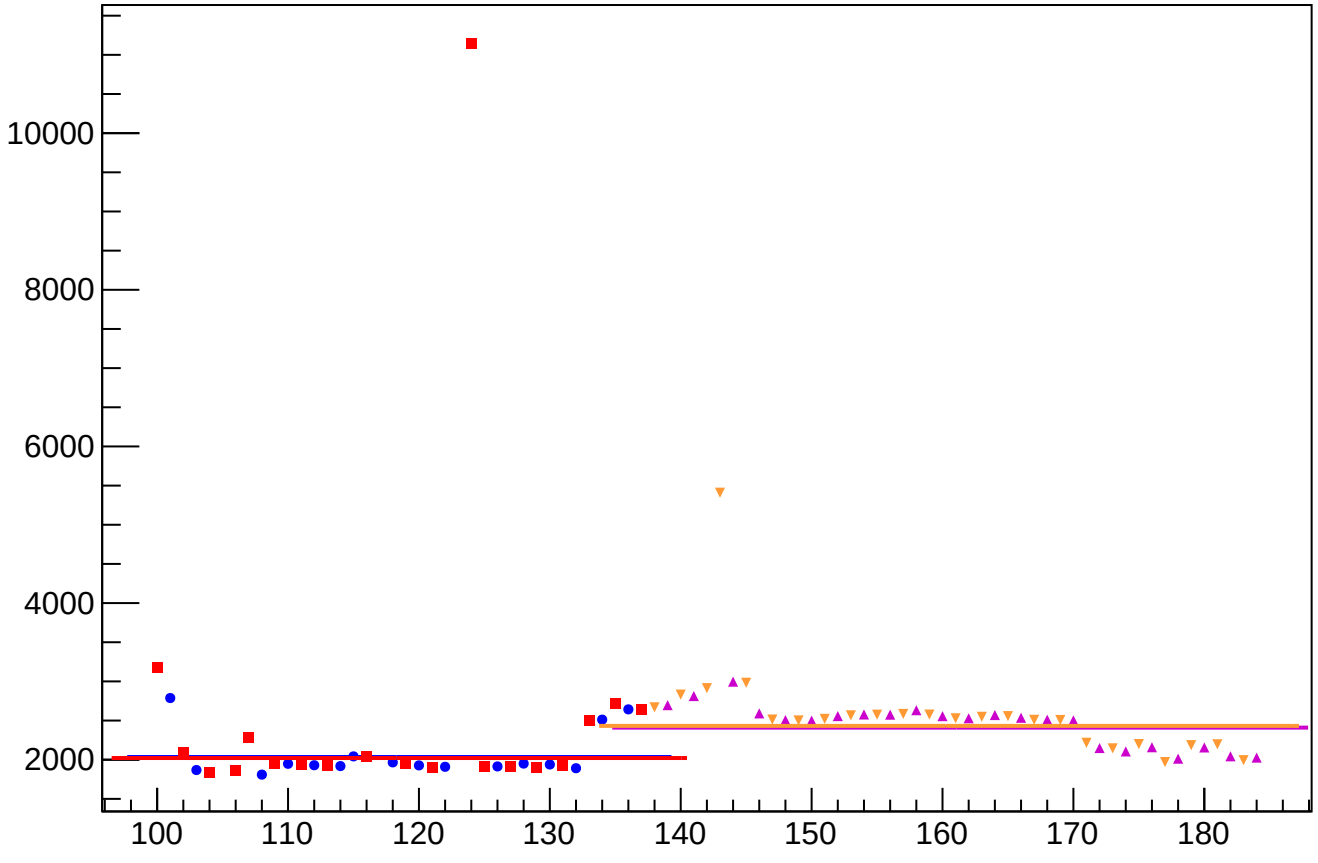
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 996.531+/-453.435 χ^2/NDF: 54.1/39

All: -771.355+/-320.552 χ^2/NDF: 117.1/81

- sign -2537.587+/-453.223 χ^2/NDF: 32.7/41

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

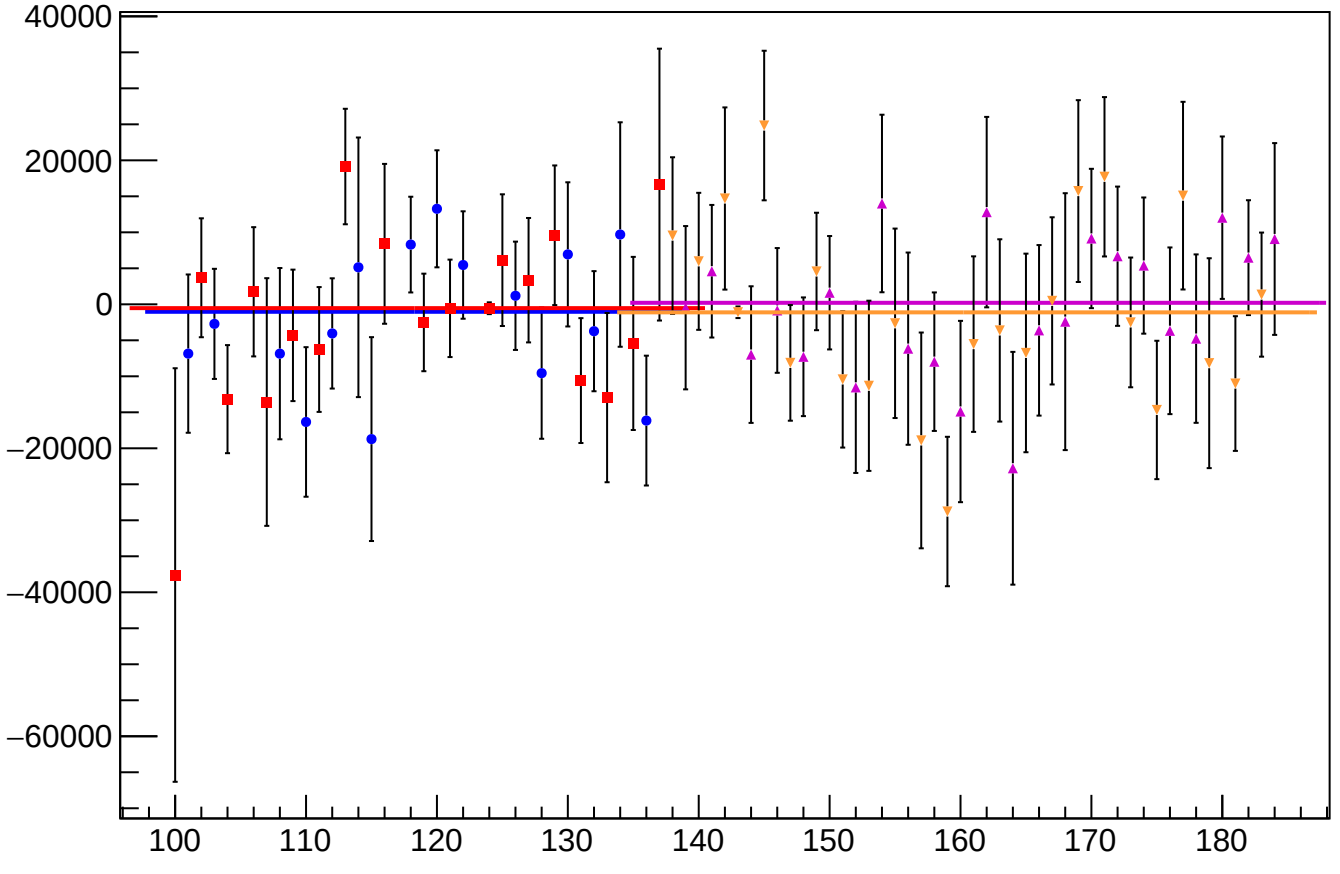
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2292.002+/-0.321 χ^2/NDF: 1537722.3/39

All: 2281.164+/-0.227 χ^2/NDF: 2696557.7/81

- sign 2270.335+/-0.320 χ^2/NDF: 1156550.9/41

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

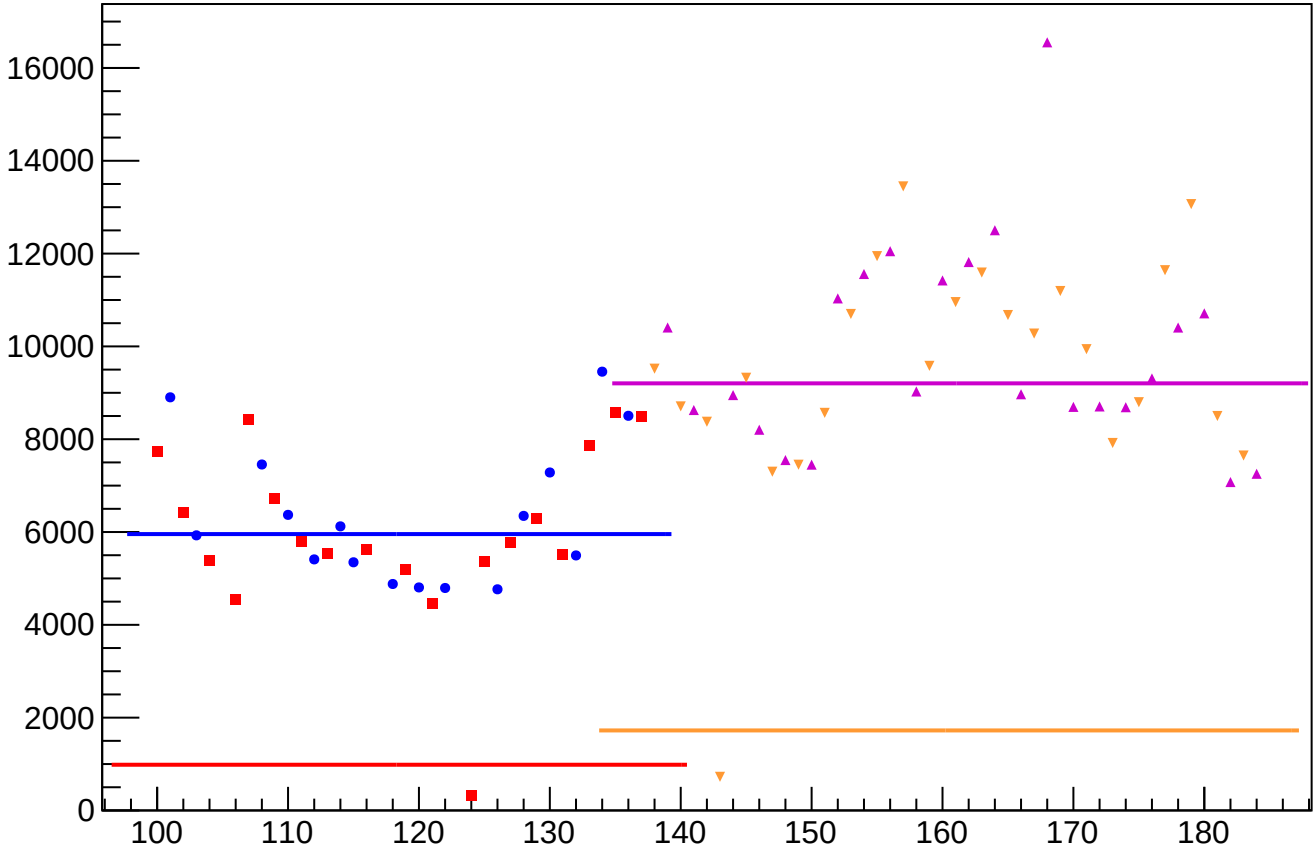
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1109.907+/-719.759 χ^2/NDF: 46.2/39

All: -782.260+/-510.743 χ^2/NDF: 78.2/81

- sign -449.947+/-724.866 χ^2/NDF: 31.5/41

asym_atl2_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

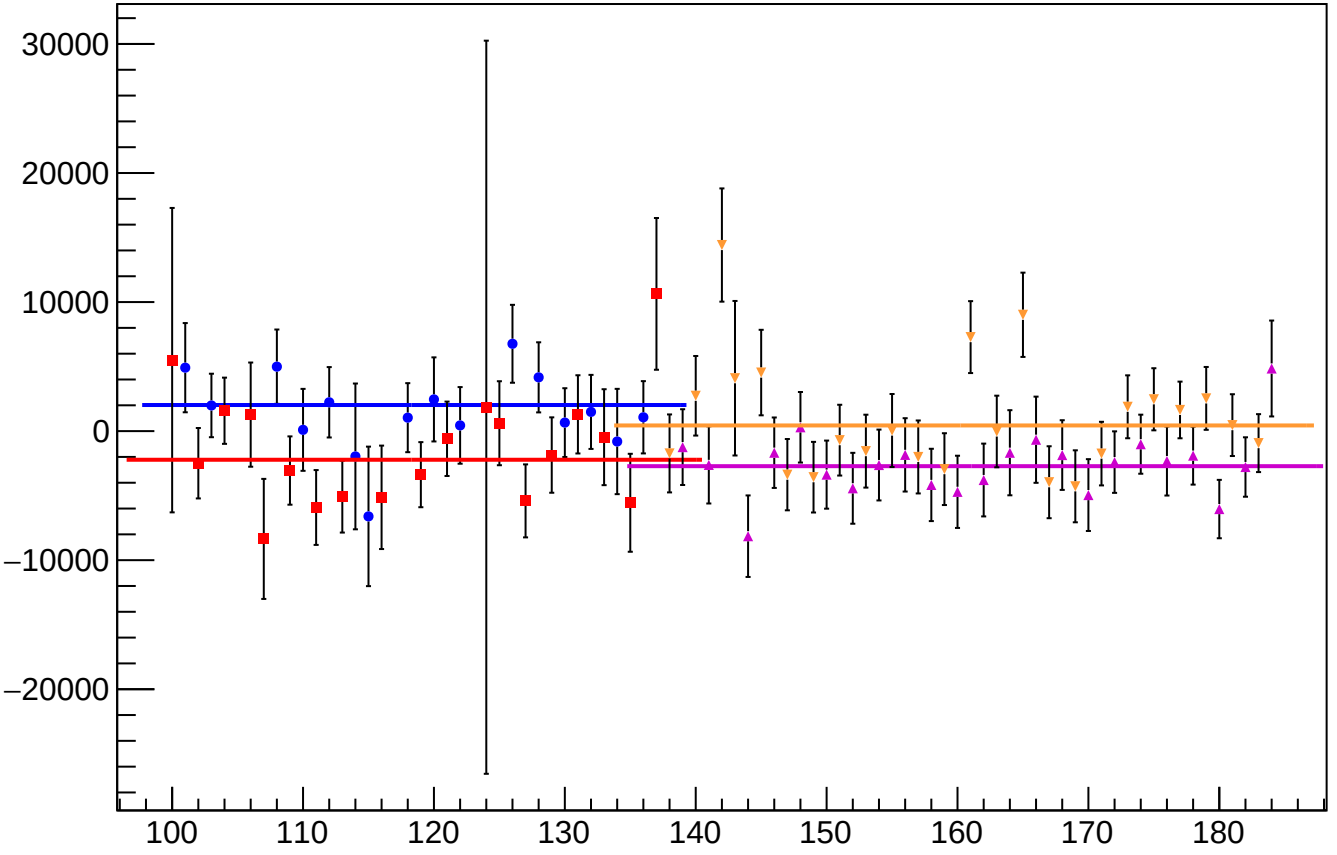
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

\+ sign 2147.537+/-0.509 χ^2/NDF: 34333971.4/39

All: 2015.356+/-0.361 χ^2/NDF: 72135115.6/8

\- sign 1881.292+/-0.513 χ^2/NDF: 37665280.2/41

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

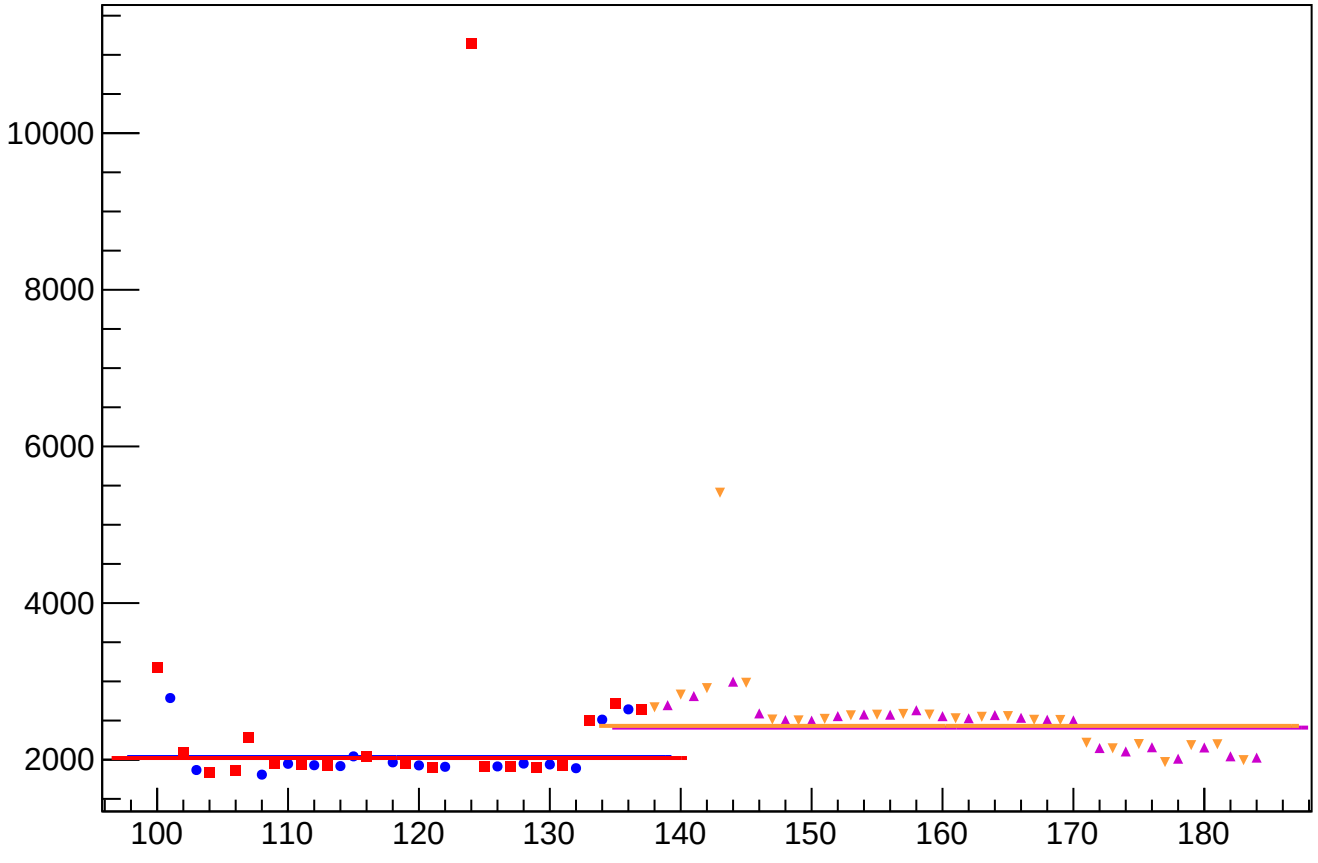
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 996.531+/-453.435 χ^2/NDF: 54.1/39

All: -771.355+/-320.552 χ^2/NDF: 117.1/81

- sign -2537.587+/-453.223 χ^2/NDF: 32.7/41

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

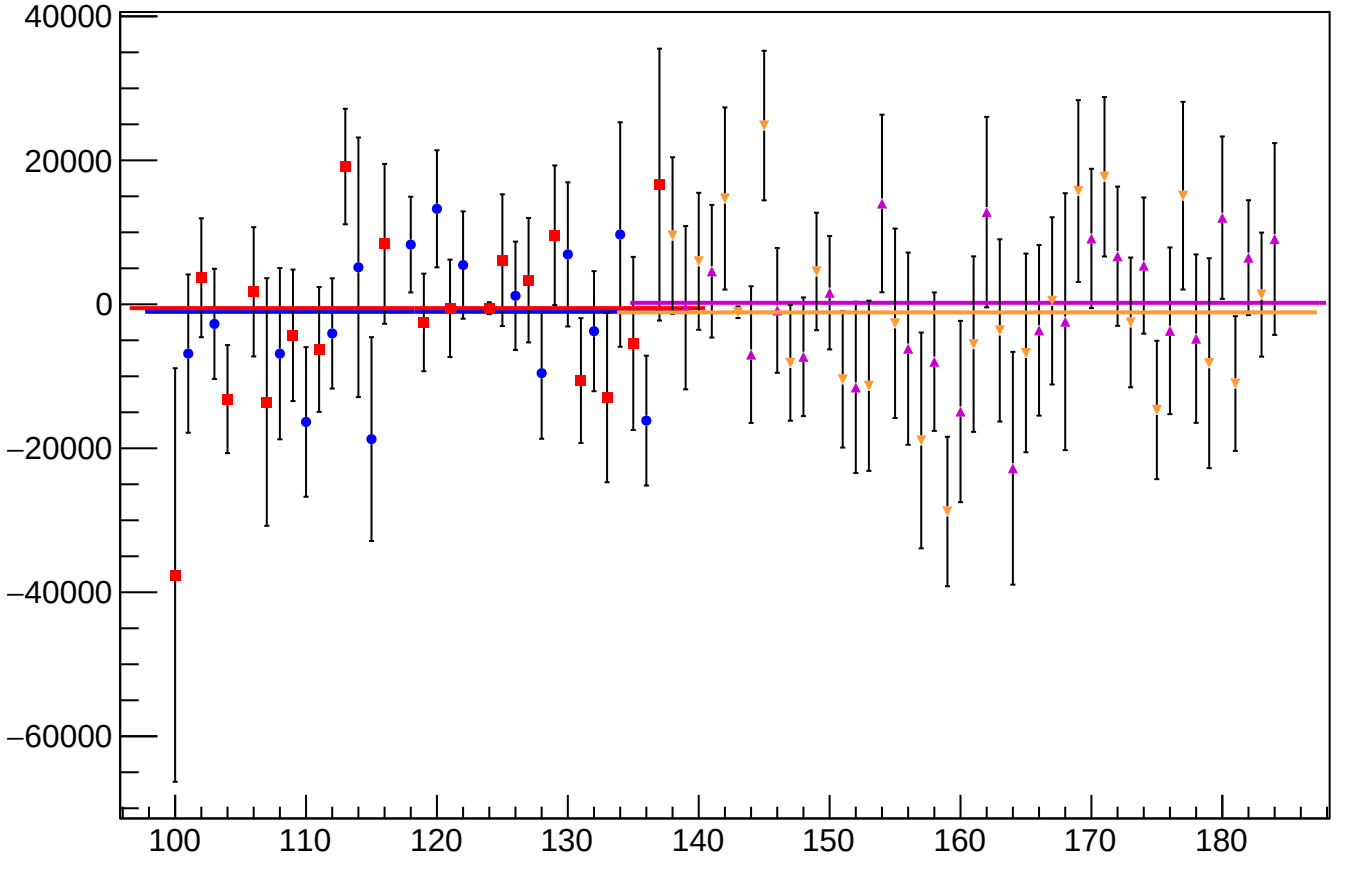
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2292.002+/-0.321 χ^2/NDF: 1537722.3/39

All: 2281.164+/-0.227 χ^2/NDF: 2696557.7/81

- sign 2270.335+/-0.320 χ^2/NDF: 1156550.9/41

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

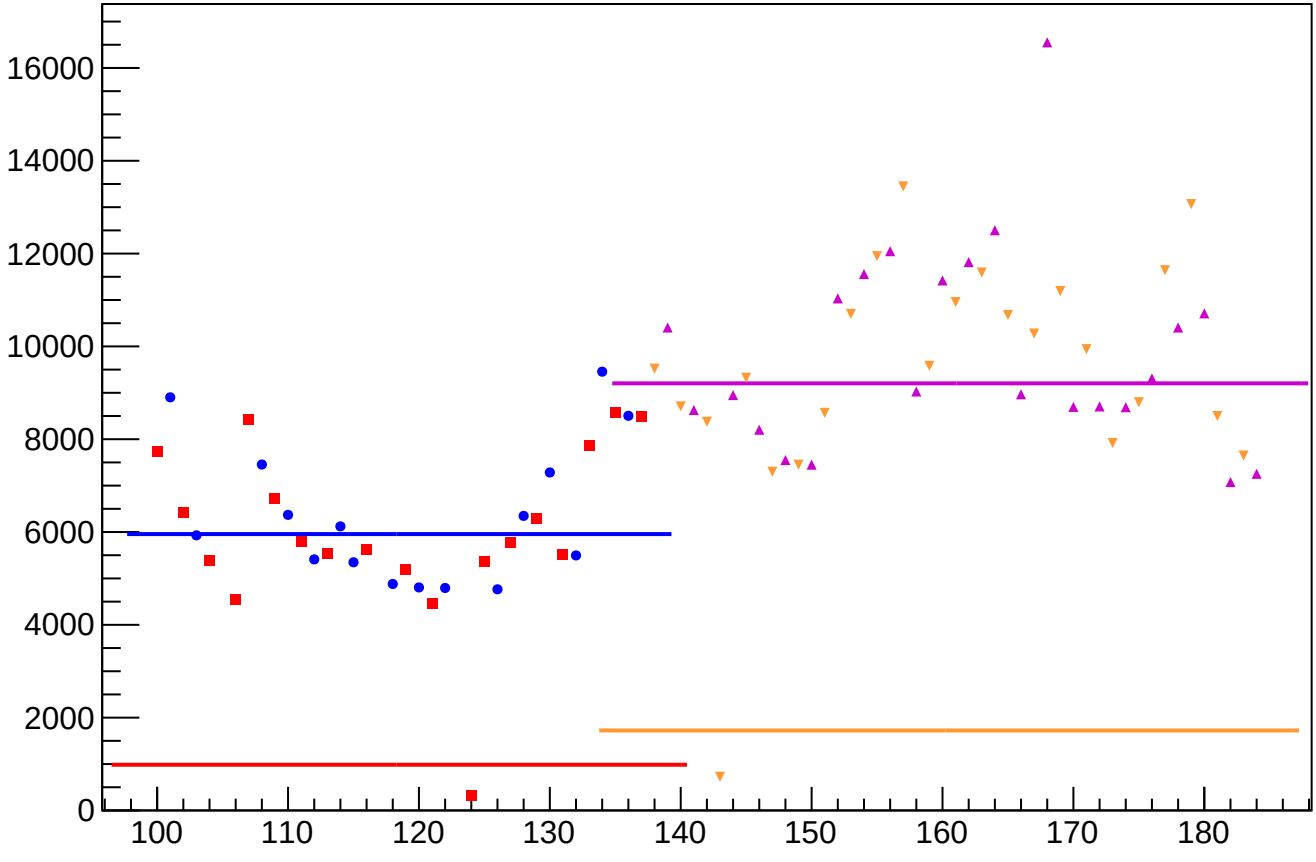
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

\+ sign -1109.907+/-719.759 χ^2/NDF: 46.2/39

All: -782.260+/-510.743 χ^2/NDF: 78.2/81

\- sign -449.947+/-724.866 χ^2/NDF: 31.5/41

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

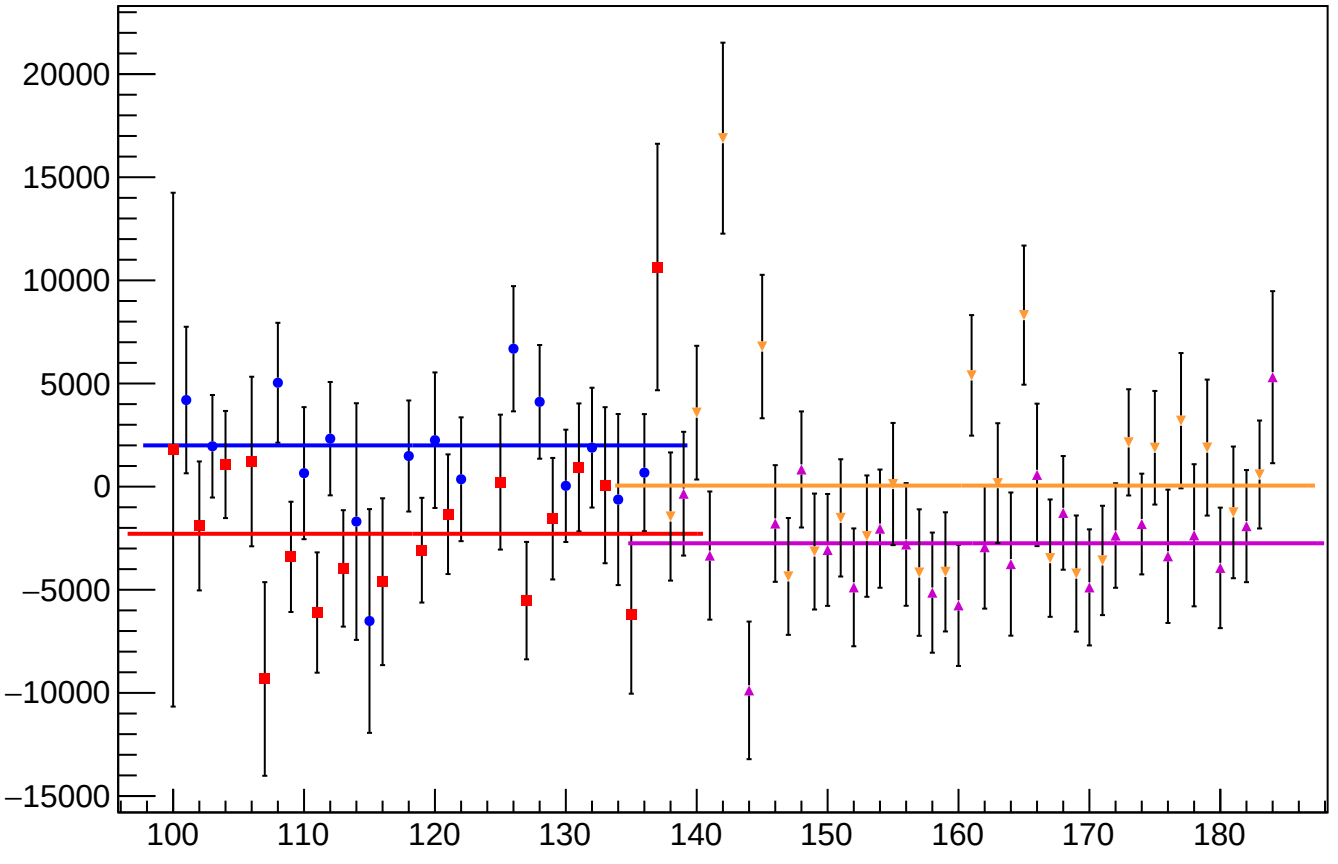
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

\+ sign 2147.537+/-0.509 χ^2/NDF: 34333971.4/39

All: 2015.356+/-0.361 χ^2/NDF: 72135115.6/8

\- sign 1881.292+/-0.513 χ^2/NDF: 37665280.2/41



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

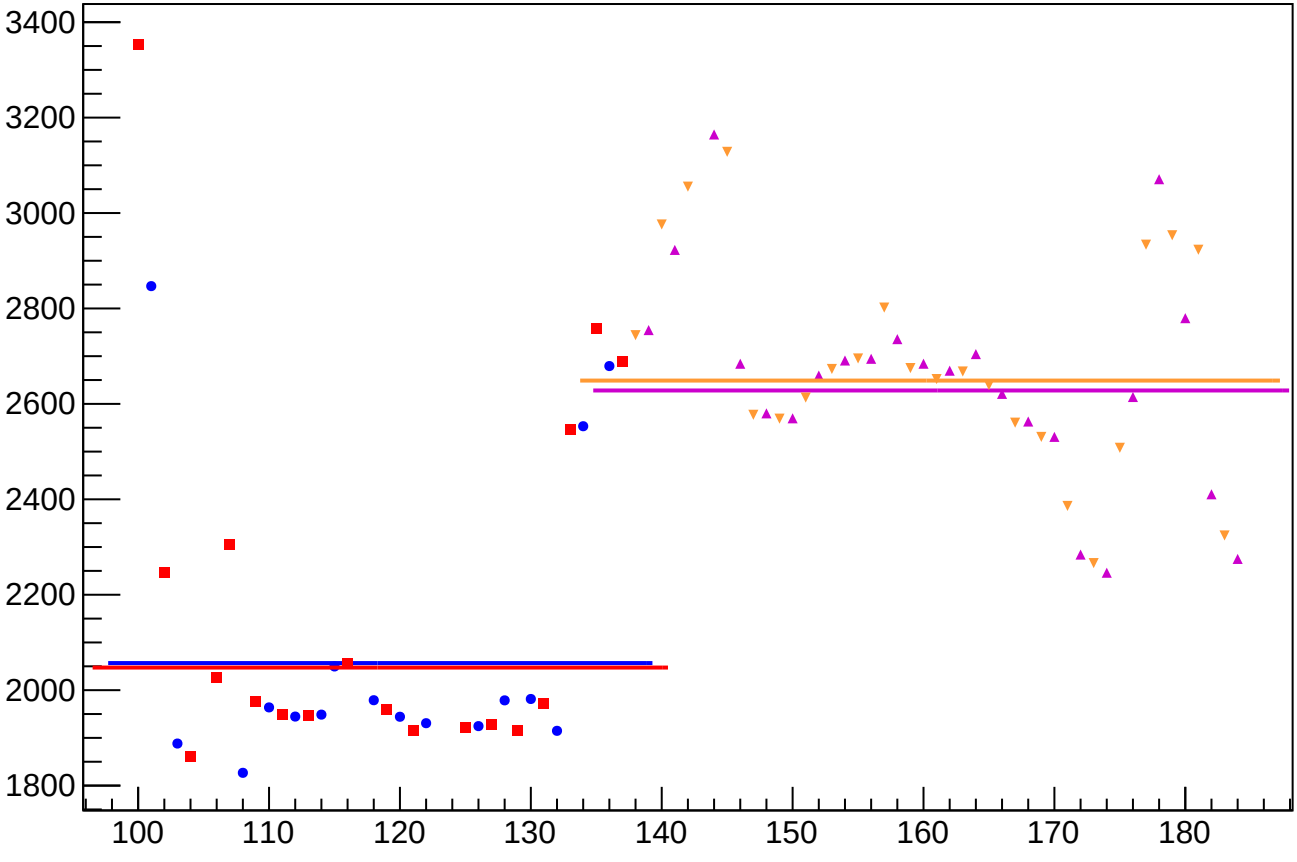
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 815.767+/-484.649 χ^2/NDF: 57.6/38

All: -886.908+/-341.540 χ^2/NDF: 114.4/79

- sign -2566.763+/-481.390 χ^2/NDF: 32.3/40

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

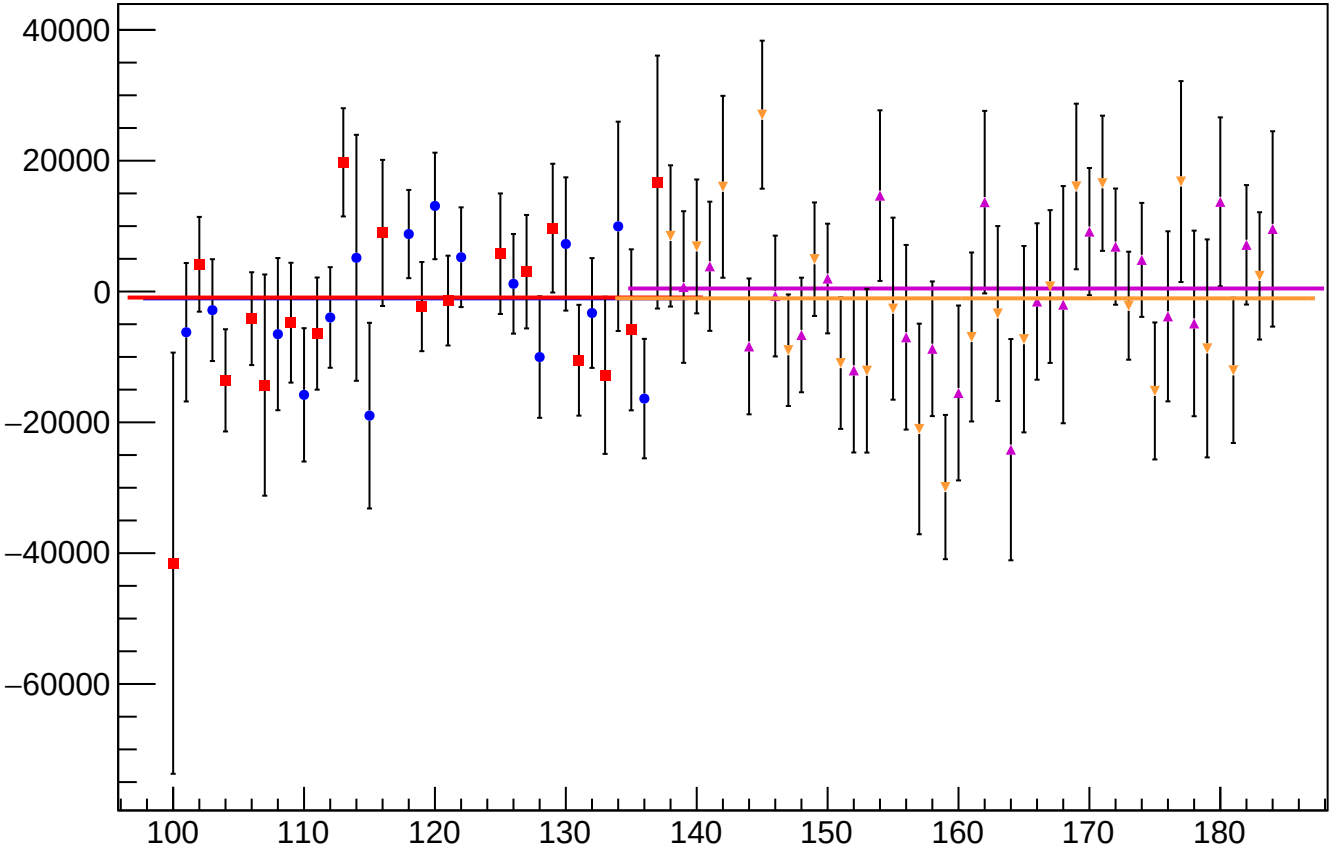
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2416.458+/-0.343 χ^2/NDF: 1219145.8/38

All: 2408.917+/-0.241 χ^2/NDF: 2347512.2/79

- sign 2401.487+/-0.340 χ^2/NDF: 1127405.2/40

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

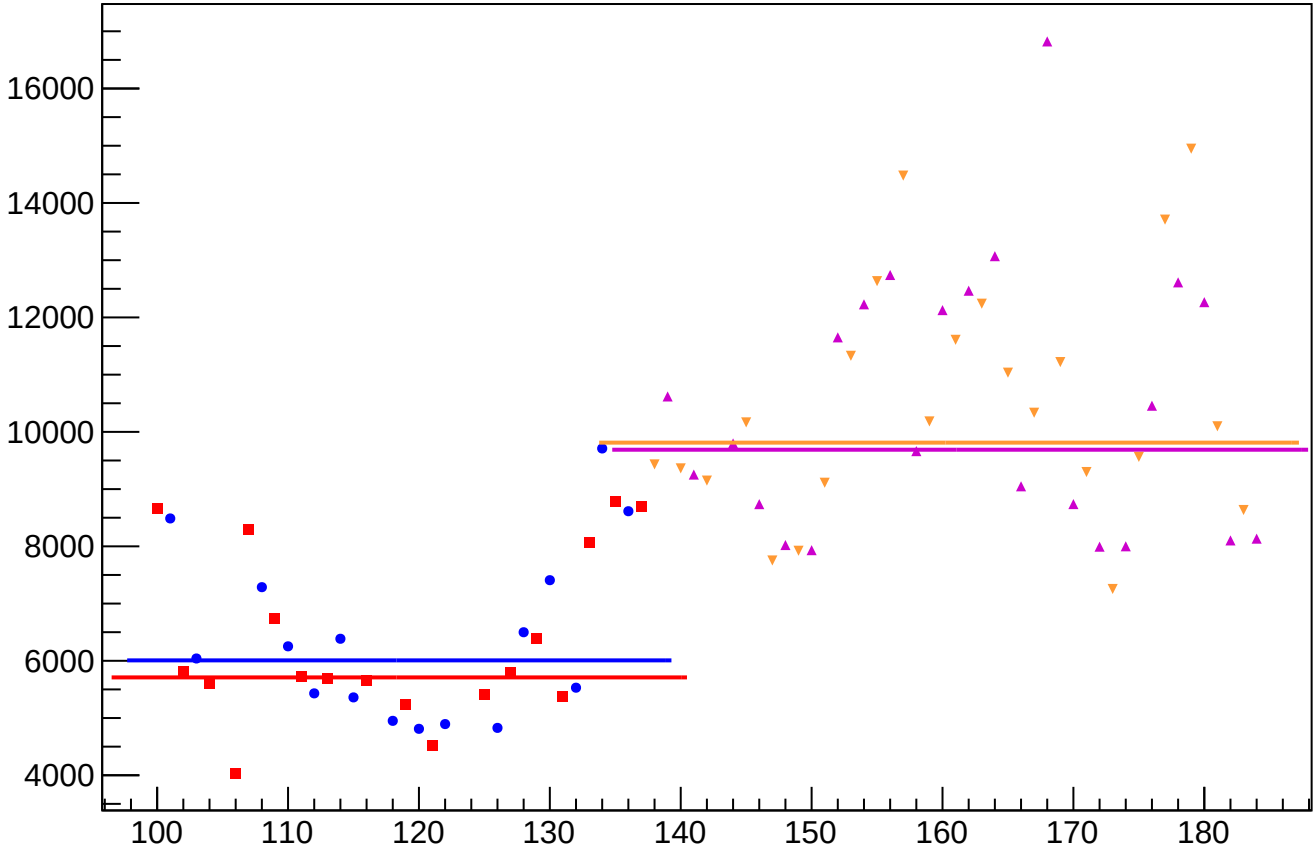
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1042.474+/-1641.075 χ^2/NDF: 45.5/38

All: -644.966+/-1136.549 χ^2/NDF: 77.3/79

- sign -278.556+/-1575.572 χ^2/NDF: 31.6/40

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

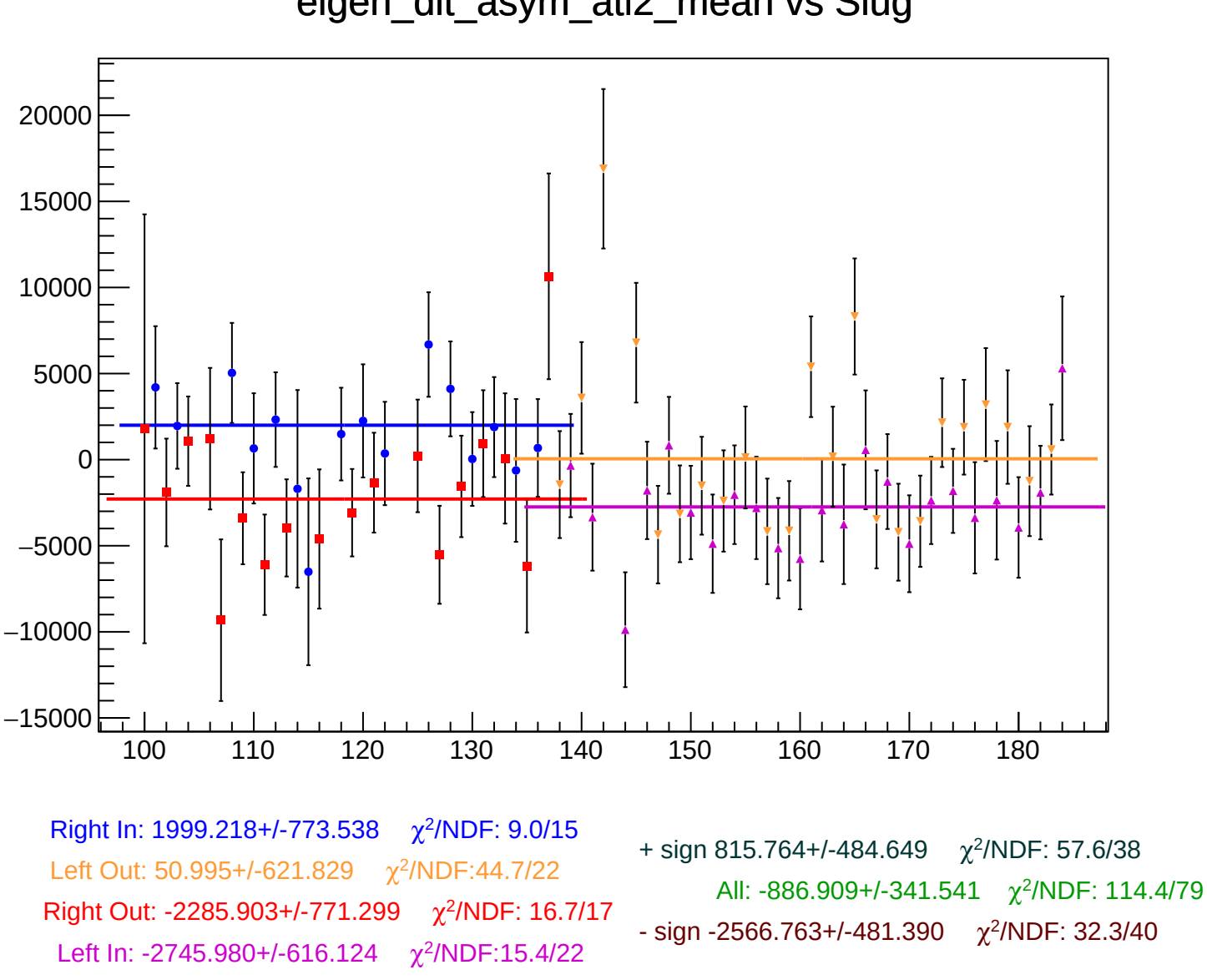
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

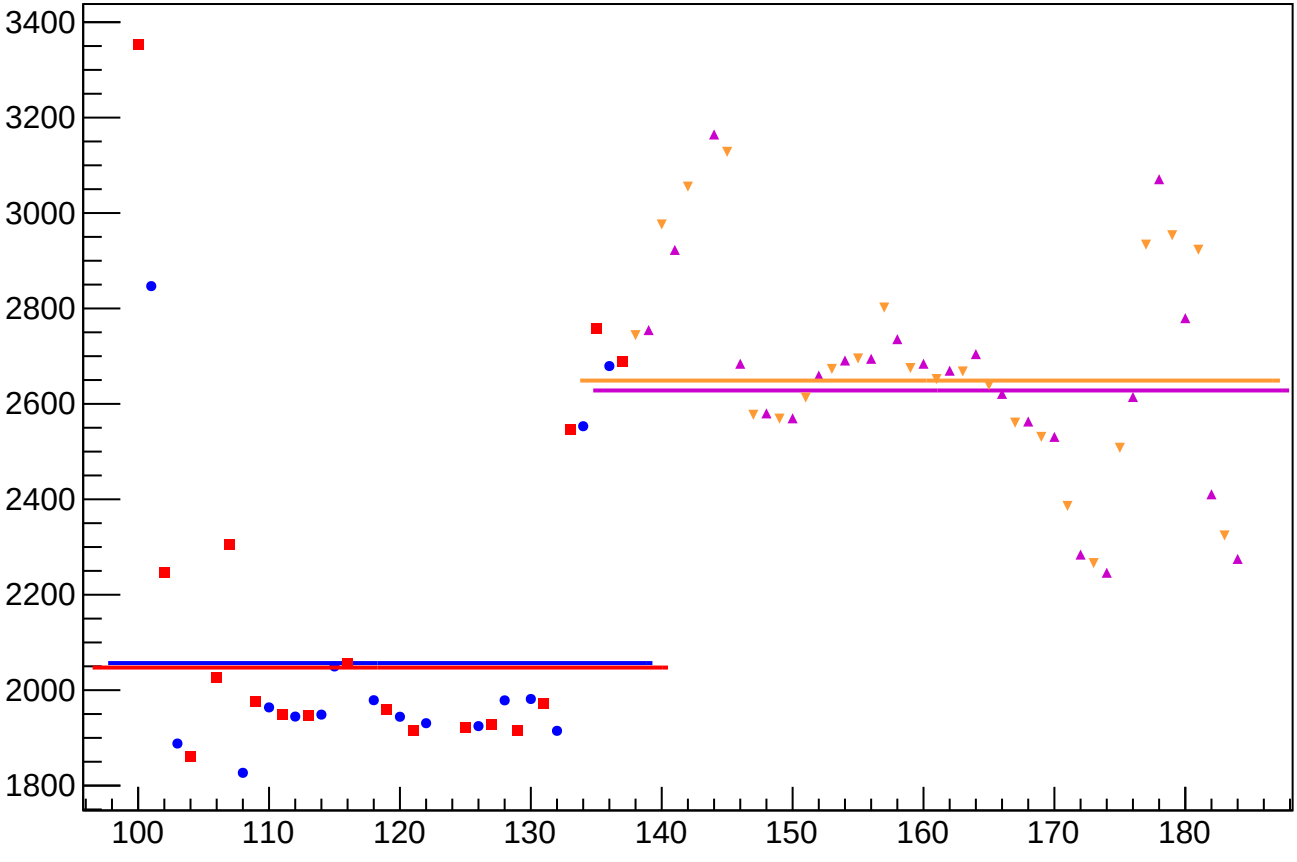
+ sign 7866.093+/-1.160 χ^2/NDF: 4551427.5/38

All: 7703.432+/-0.804 χ^2/NDF: 9673964.9/79

- sign 7553.497+/-1.114 χ^2/NDF: 5084776.7/40


eigen_dit_asym_atl2_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 50.995+/-621.829 χ²/NDF:44.7/22
Right Out: -2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: -2745.980+/-616.124 χ²/NDF:15.4/22
+ sign 815.764+/-484.649 χ²/NDF: 57.6/38
All: -886.909+/-341.541 χ²/NDF: 114.4/79
- sign -2566.763+/-481.390 χ²/NDF: 32.3/40

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

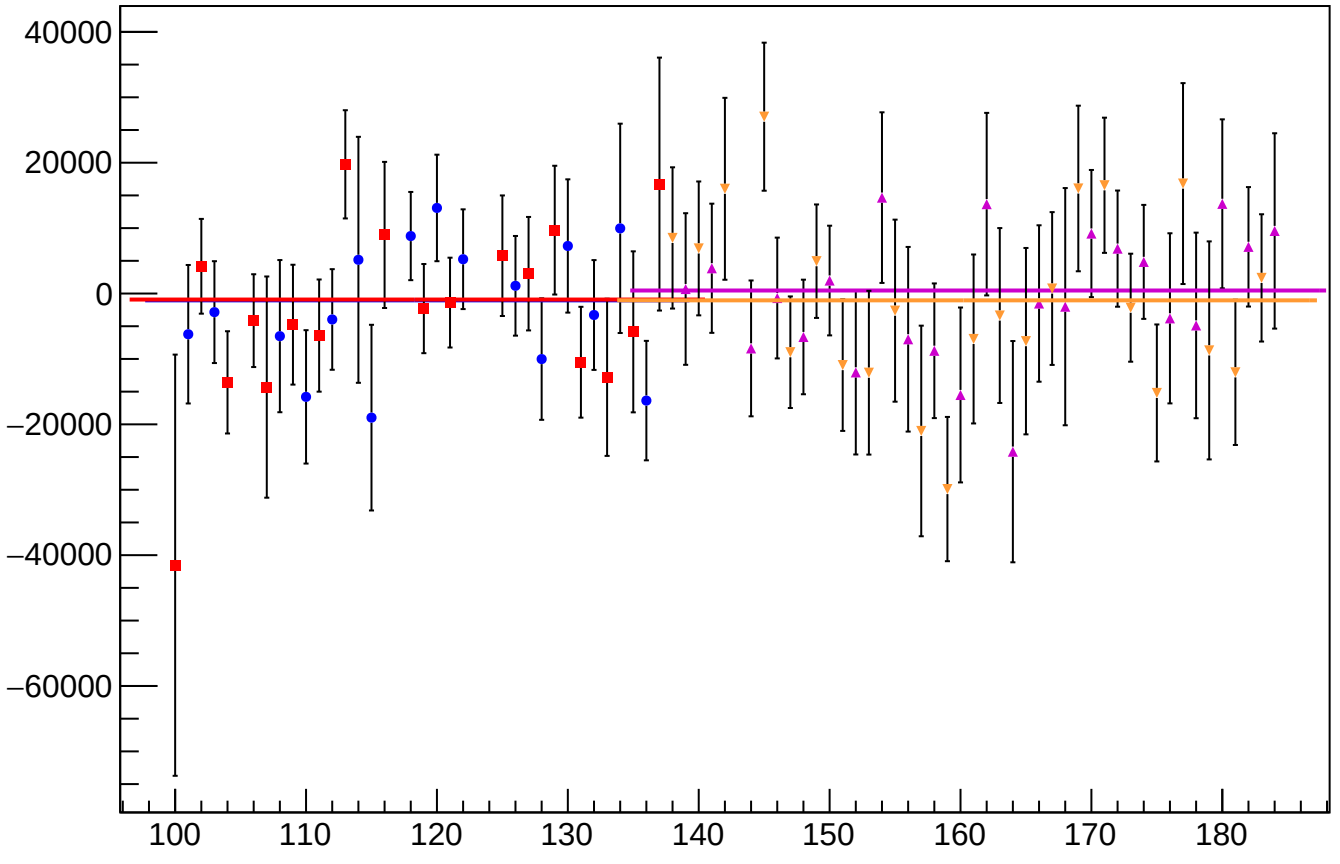
Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2416.459+/-0.343 χ^2/NDF: 1219160.1/38

All: 2408.918+/-0.241 χ^2/NDF: 2347541.2/79

- sign 2401.488+/-0.340 χ^2/NDF: 1127419.9/40



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

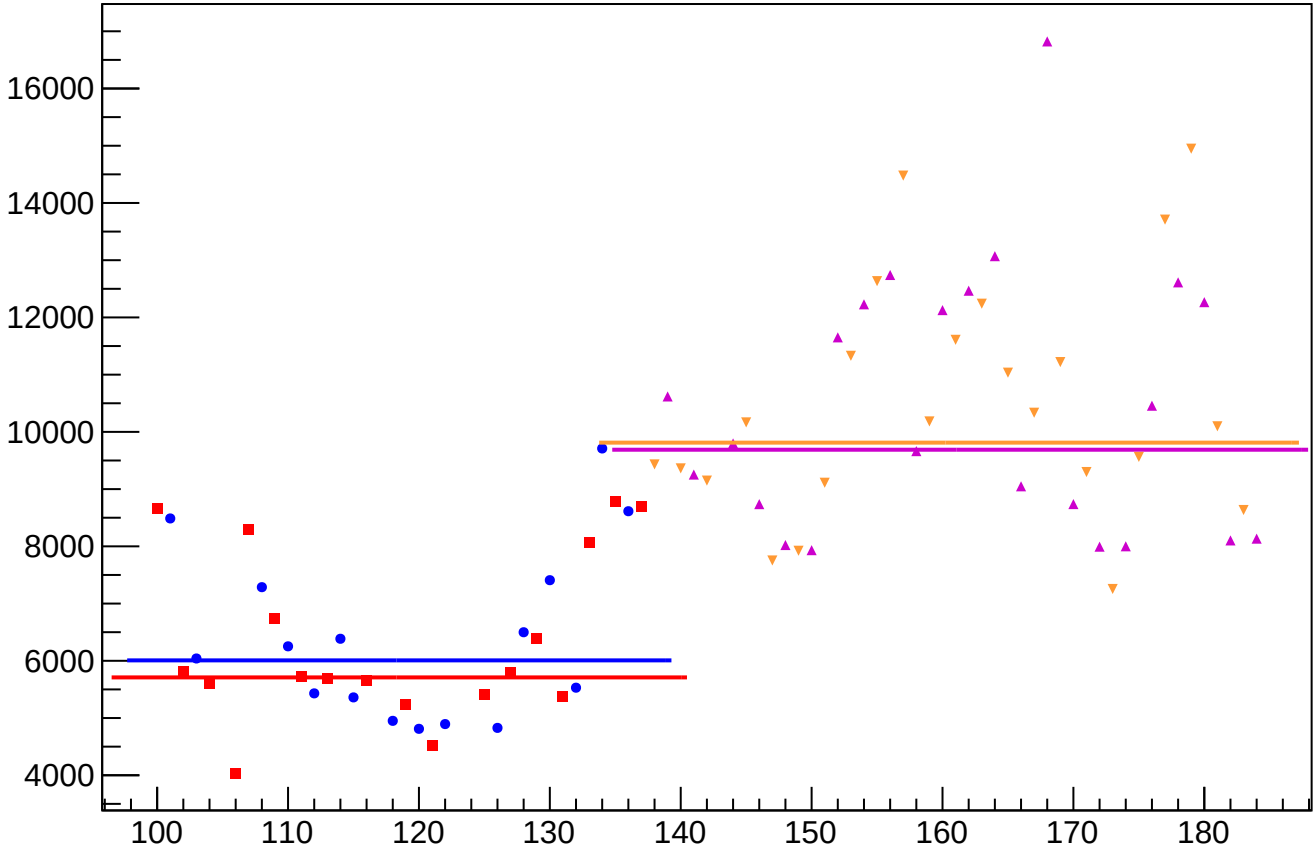
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1042.473+/-1641.074 χ^2/NDF: 45.5/38

All: -644.967+/-1136.548 χ^2/NDF: 77.3/79

- sign -278.561+/-1575.571 χ^2/NDF: 31.6/40

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

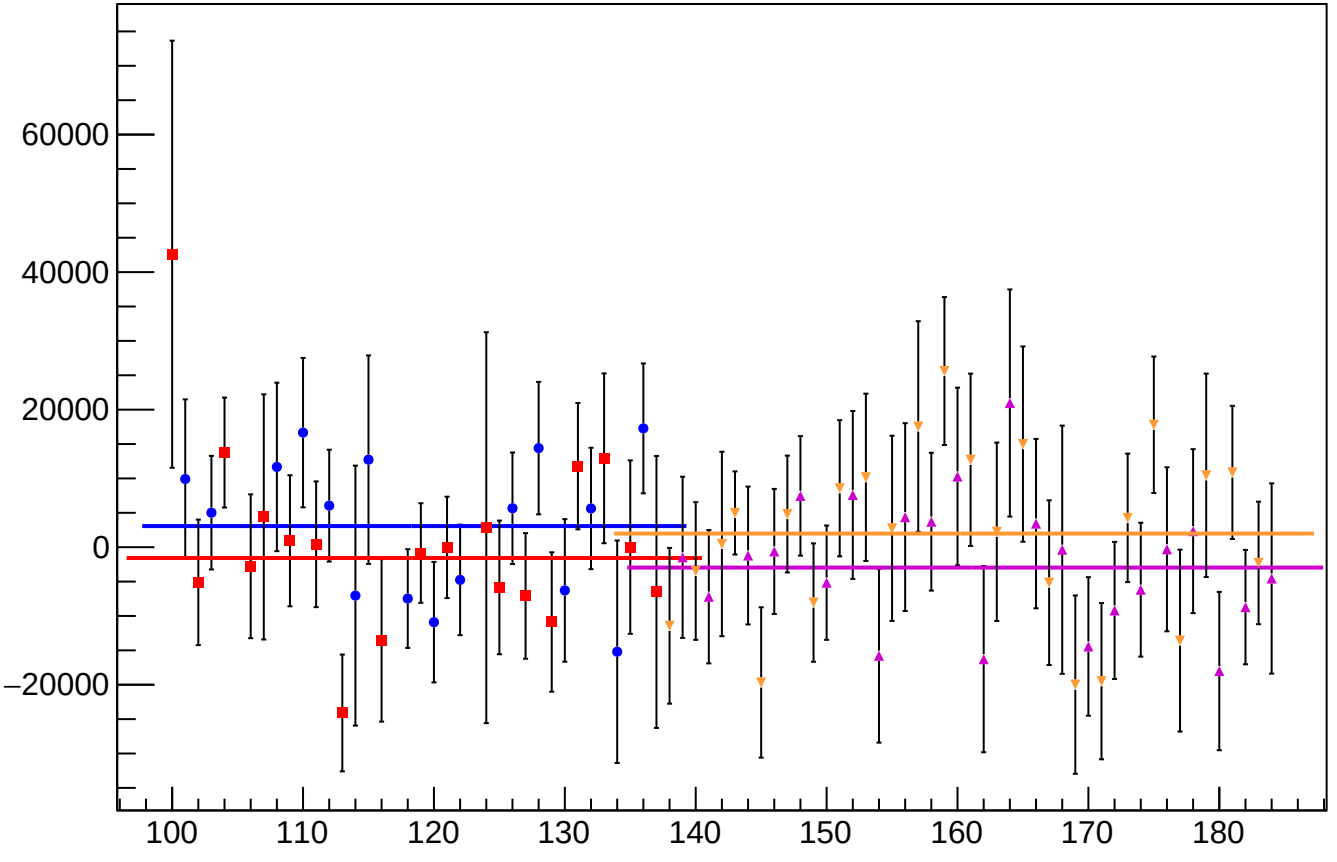
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7866.082+/-1.160 χ^2/NDF: 4551491.0/38

All: 7703.421+/-0.804 χ^2/NDF: 9674088.6/79

- sign 7553.486+/-1.114 χ^2/NDF: 5084836.9/40

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

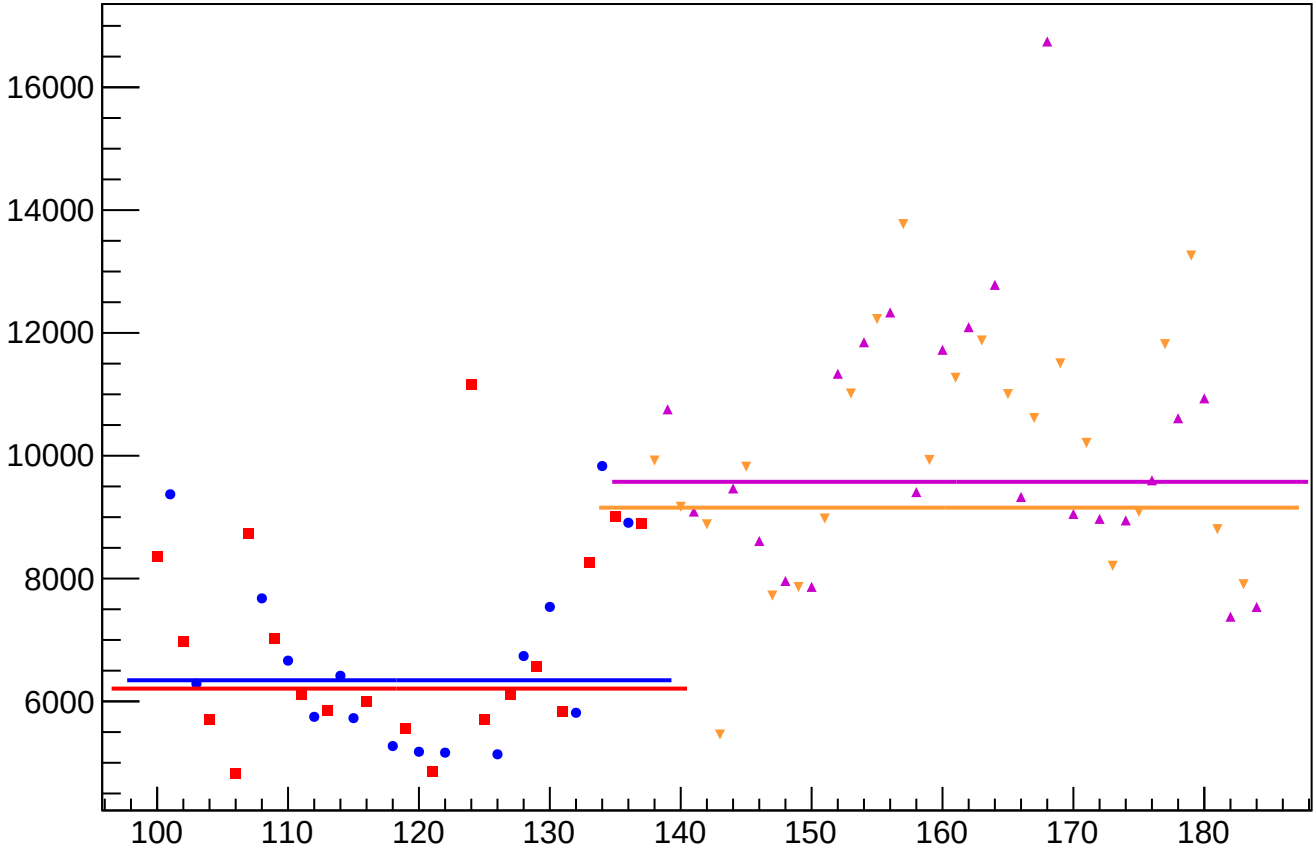
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2464.273+/-1610.387 χ^2/NDF: 42.8/39

All: 121.354+/-1146.006 χ^2/NDF: 79.5/81

- sign -2282.545+/-1631.209 χ^2/NDF: 32.4/41

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

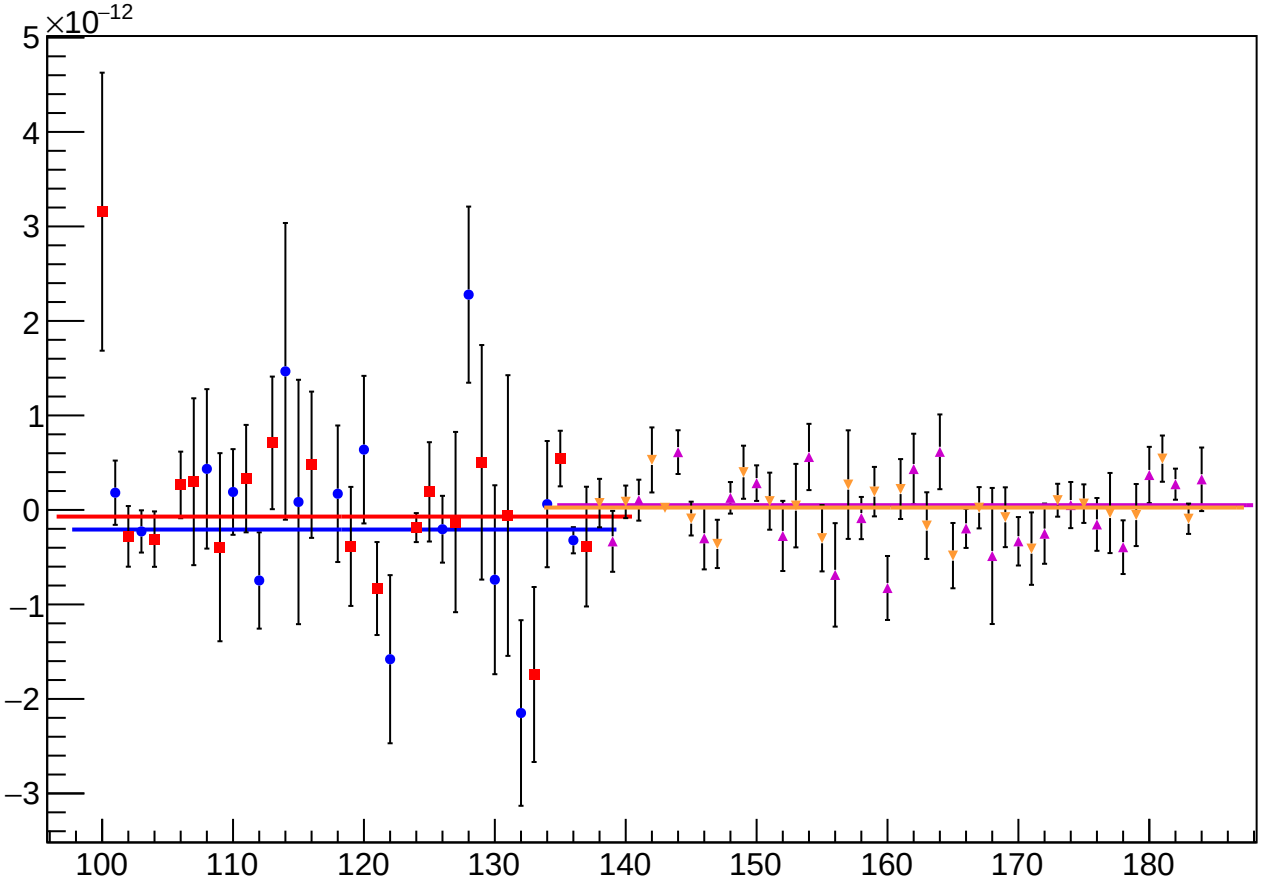
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 7910.775+/-1.139 χ^2/NDF: 3924076.7/39

All: 7921.850+/-0.810 χ^2/NDF: 7679070.2/81

- sign 7933.213+/-1.153 χ^2/NDF: 3754801.8/41

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

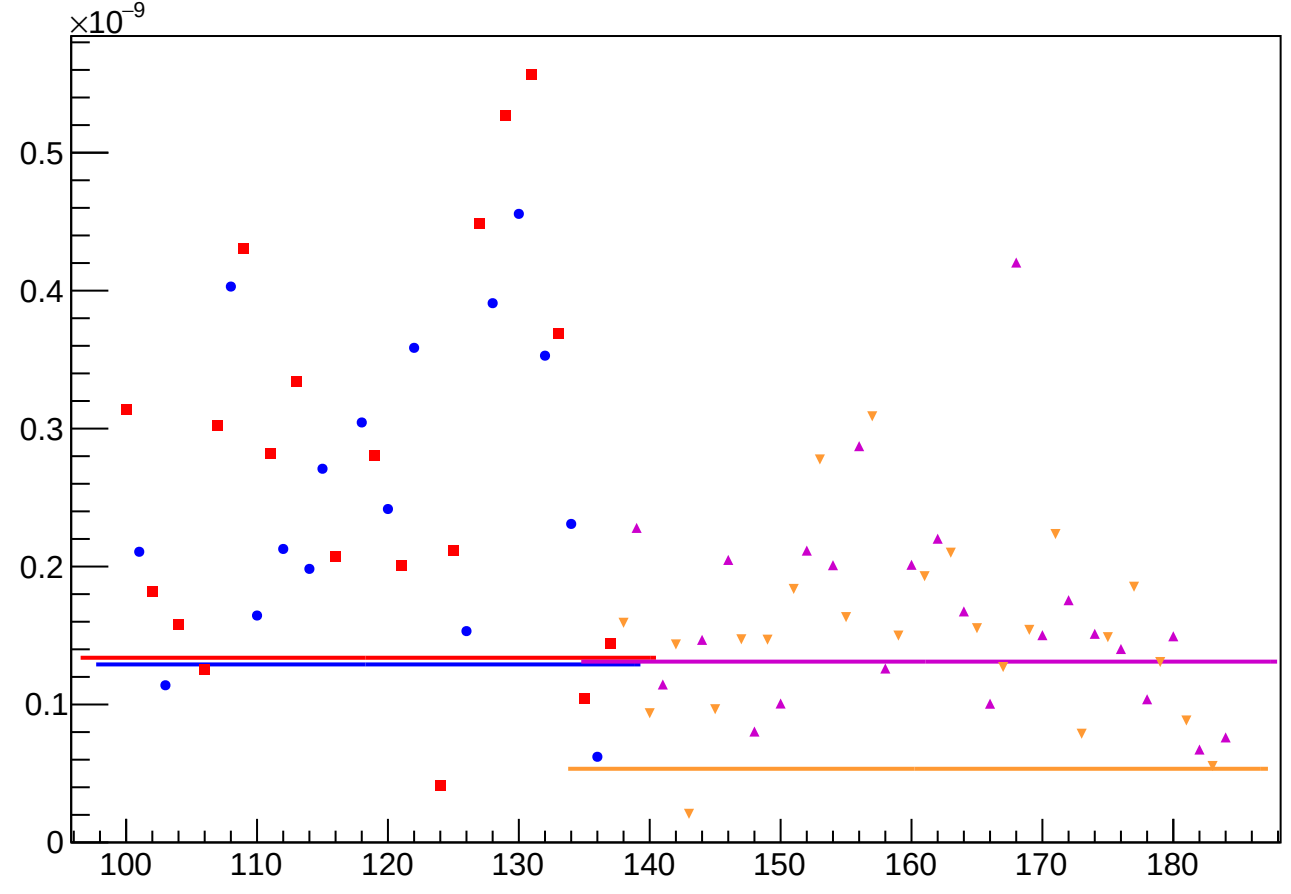
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/39

All: 0.000+/-0.000 χ^2/NDF: 103.2/81

- sign 0.000+/-0.000 χ^2/NDF: 58.9/41



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

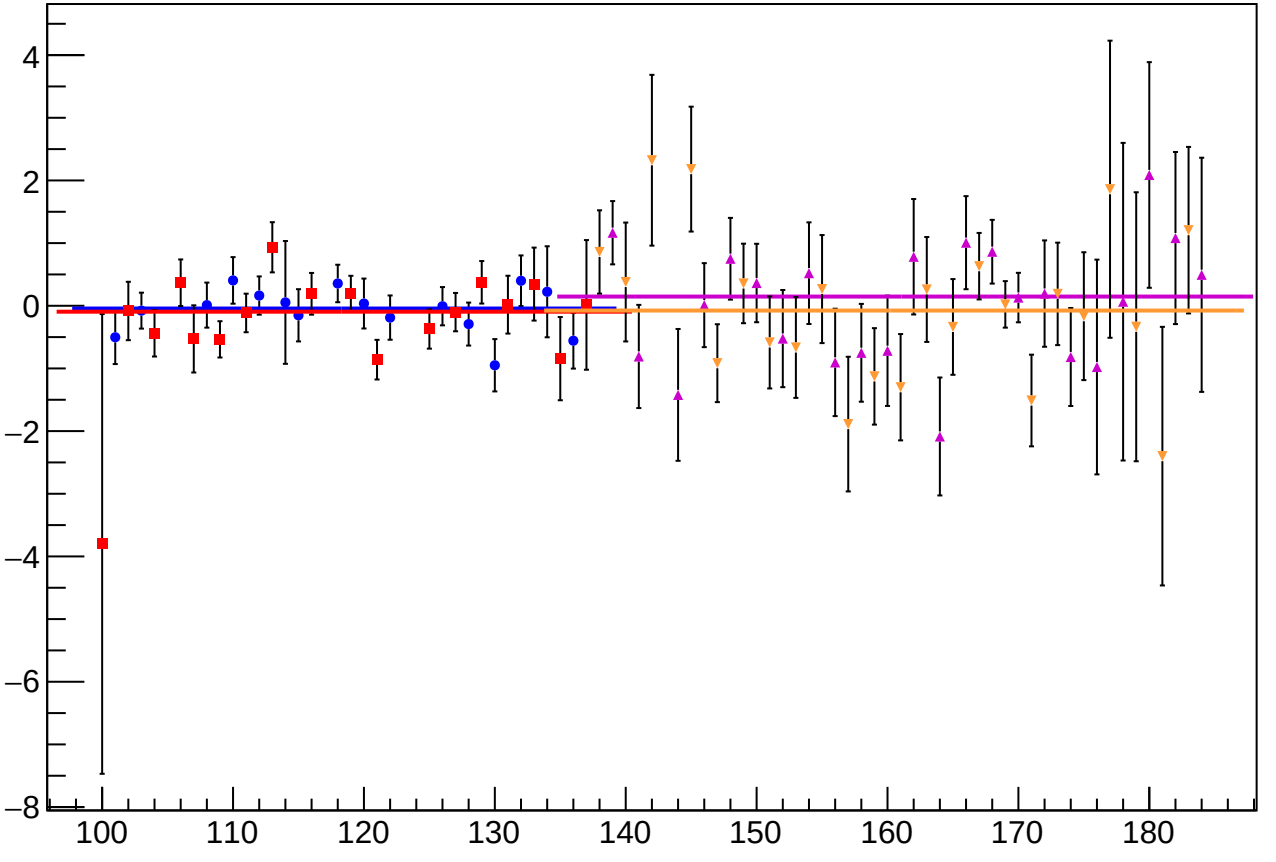
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10108421.2/39

All: 0.000+/-0.000 χ^2/NDF: 17678769.9/81

- sign 0.000+/-0.000 χ^2/NDF: 4209994.9/41

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

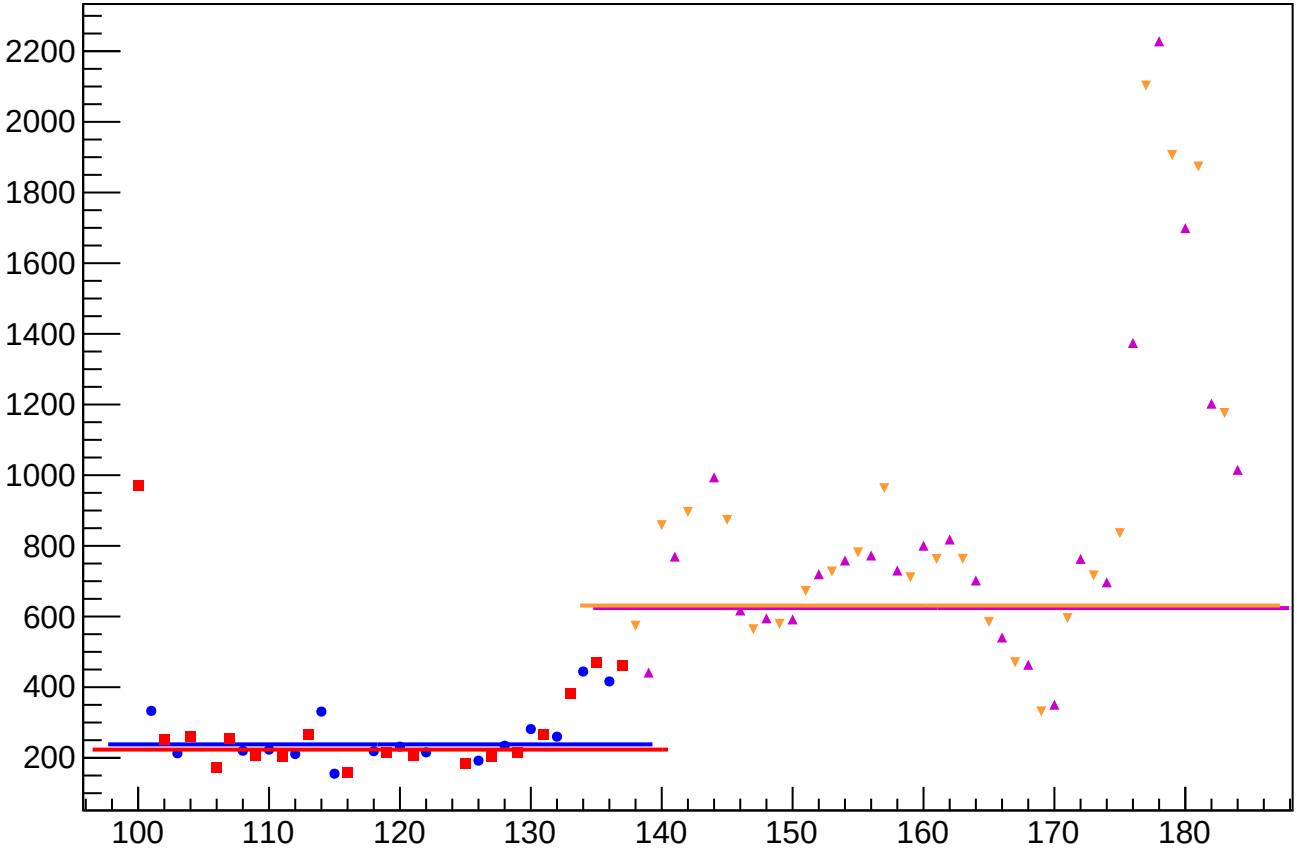
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.052+/-0.081 χ^2/NDF: 42.8/38

All: -0.043+/-0.056 χ^2/NDF: 96.3/79

- sign -0.035+/-0.078 χ^2/NDF: 53.5/40

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

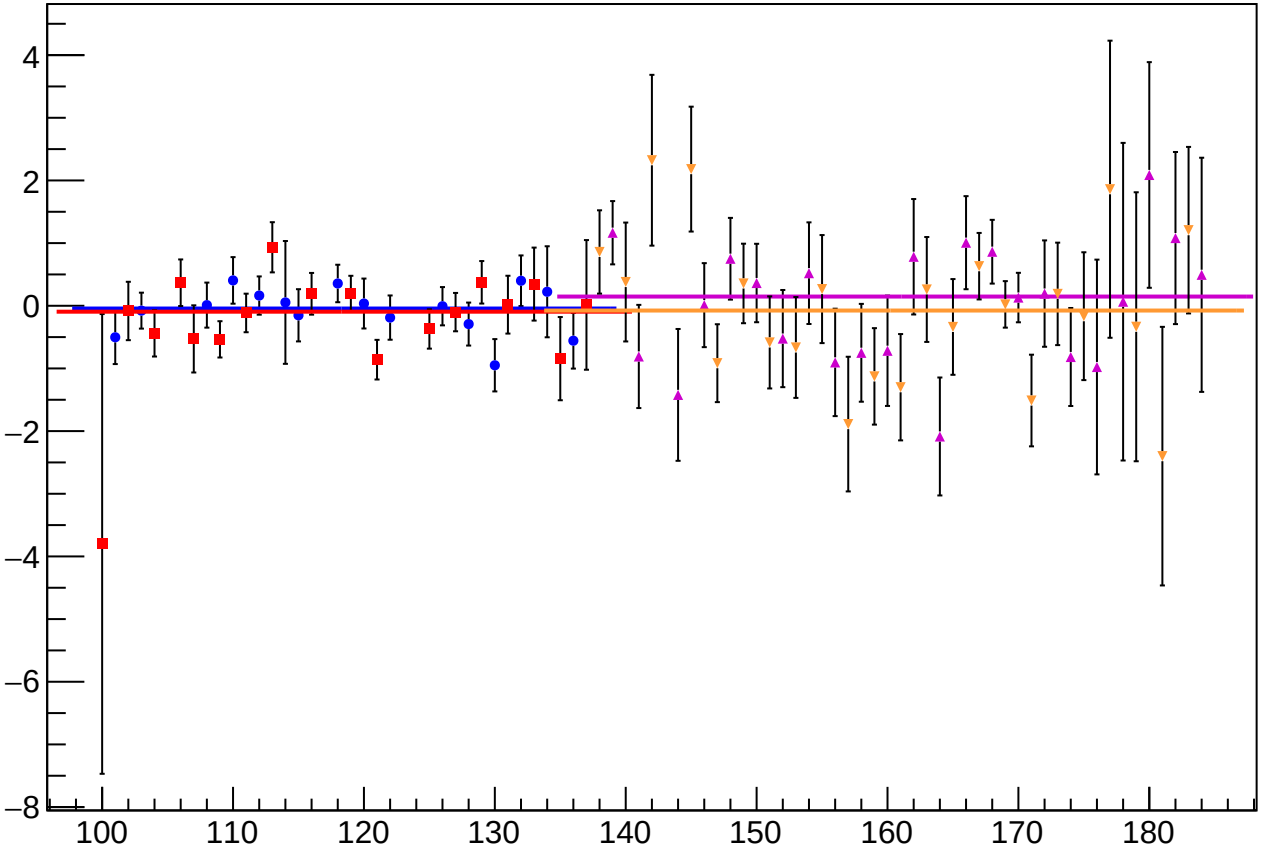
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.910+/-0.057 χ^2/NDF: 14531630.9/38

All: 328.855+/-0.040 χ^2/NDF: 29655860.9/79

- sign 321.367+/-0.055 χ^2/NDF: 15086216.6/40

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

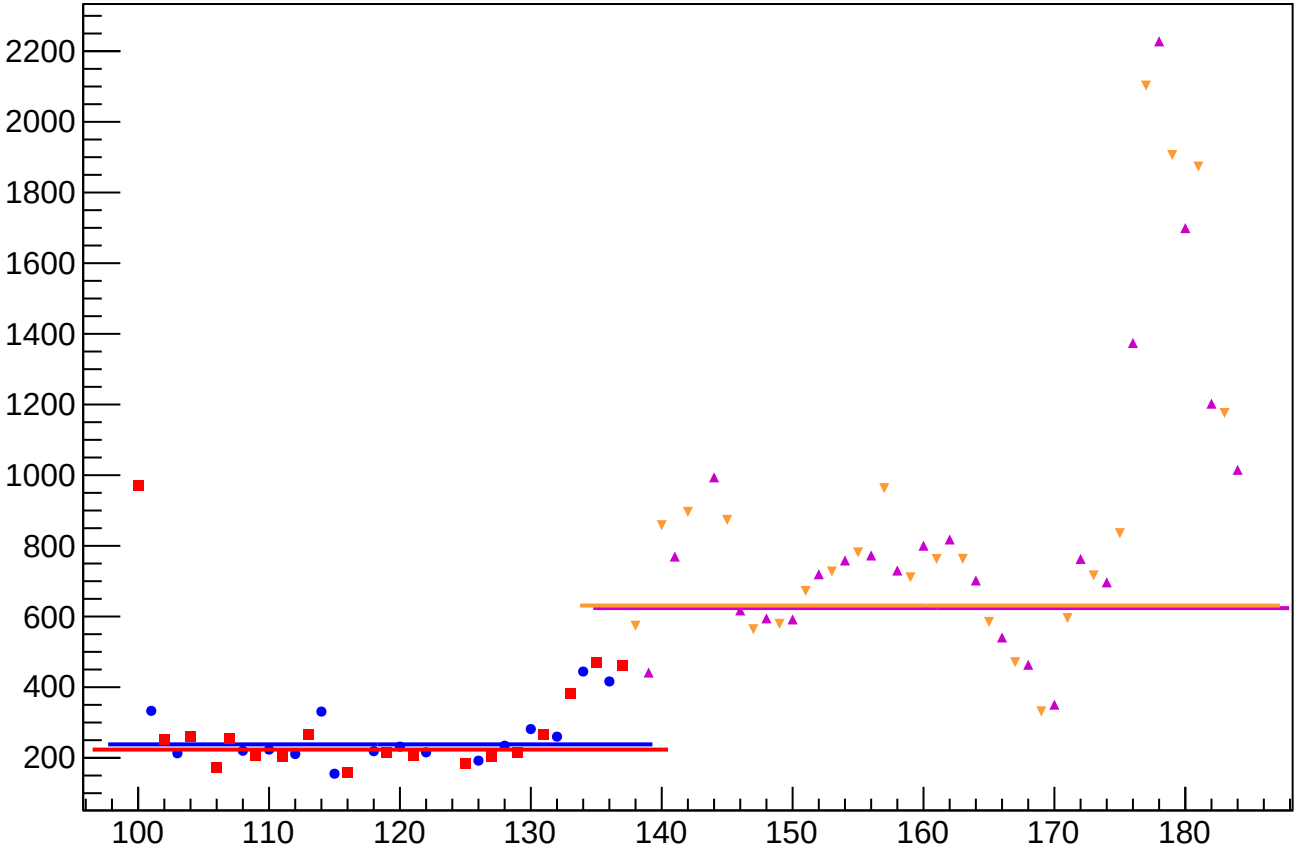
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.052+/-0.081 χ^2/NDF: 42.8/38

All: -0.043+/-0.056 χ^2/NDF: 96.3/79

- sign -0.035+/-0.078 χ^2/NDF: 53.5/40

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

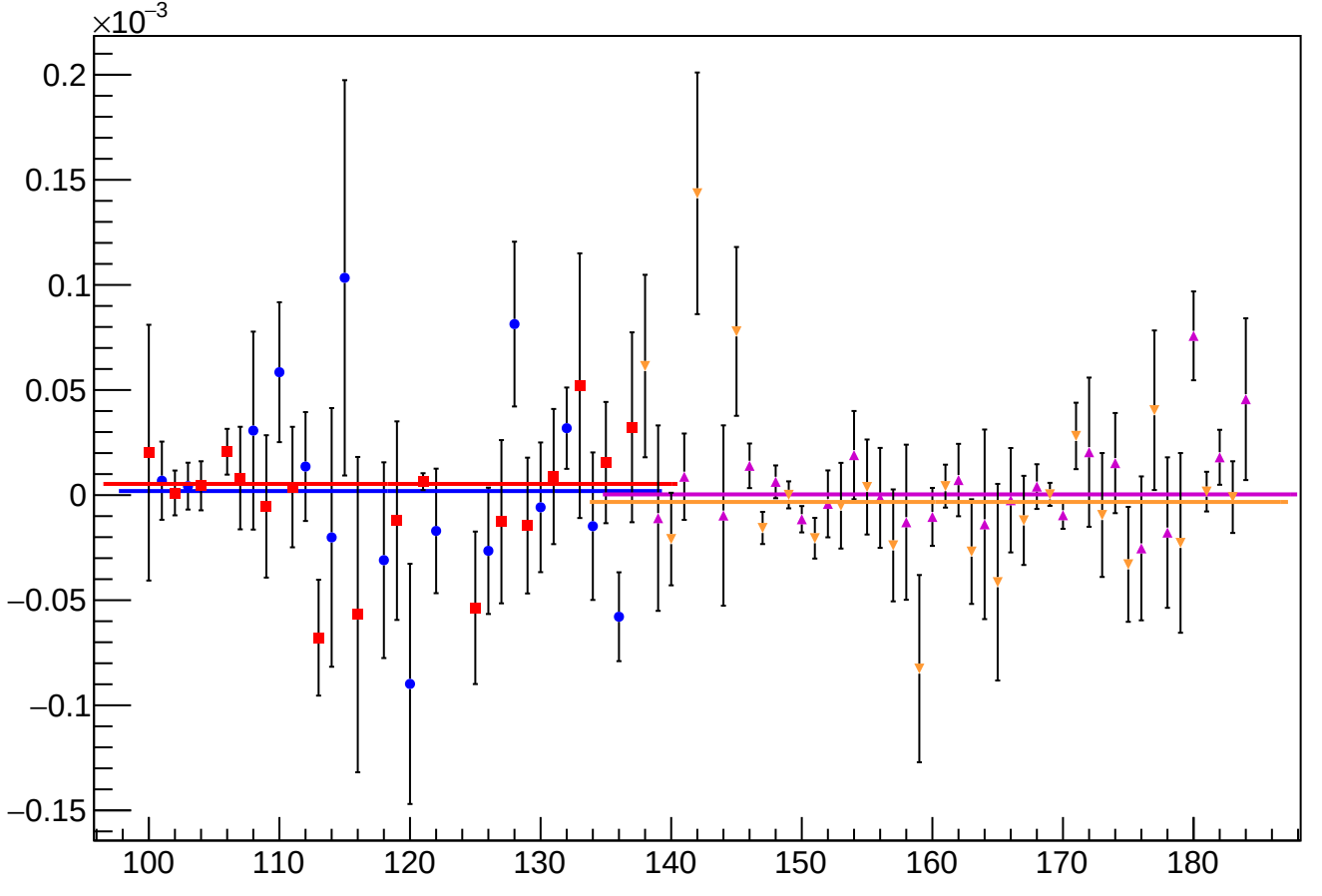
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.910+/-0.057 χ^2/NDF: 14531630.9/38

All: 328.855+/-0.040 χ^2/NDF: 29655860.9/79

- sign 321.367+/-0.055 χ^2/NDF: 15086216.6/40



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

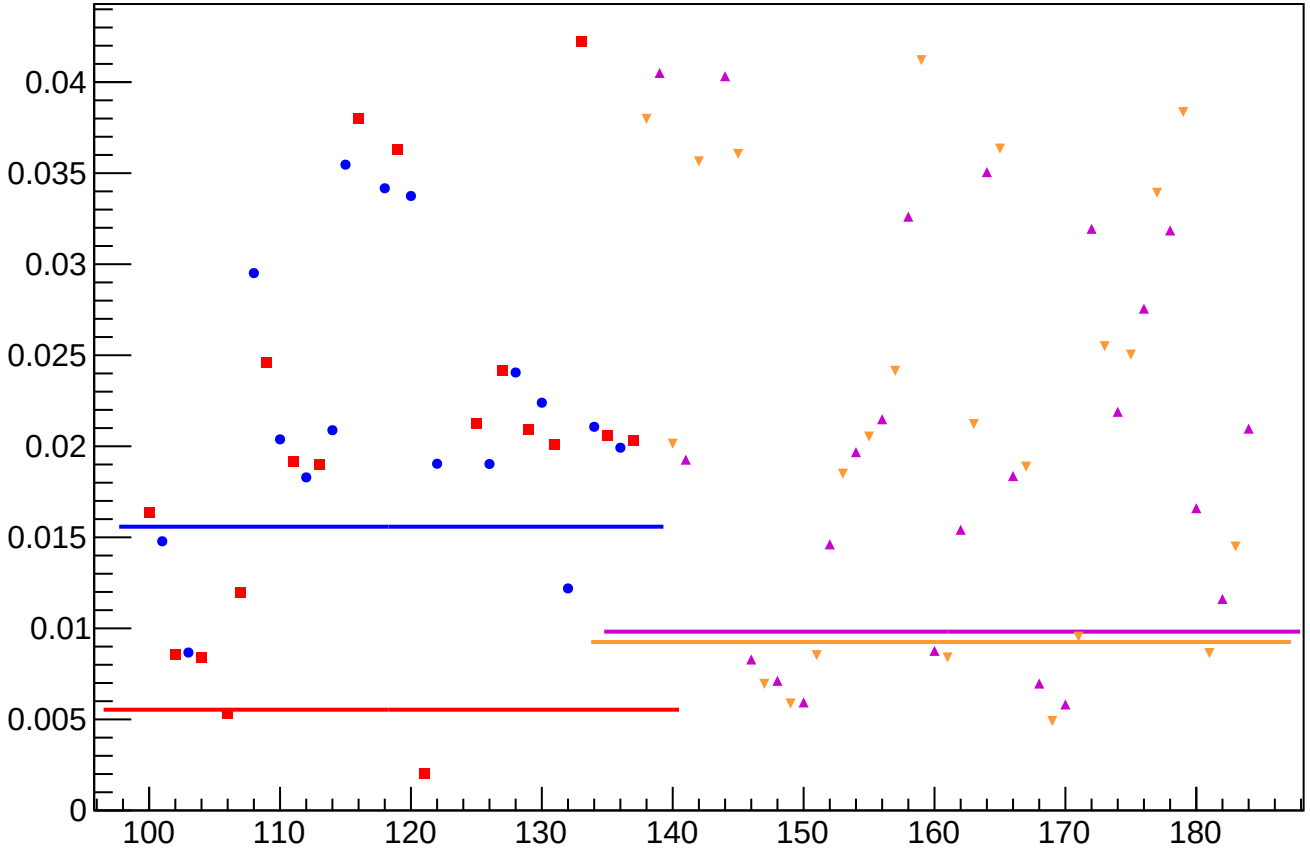
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/38

All: 0.000+/-0.000 χ^2/NDF: 103.8/79

- sign 0.000+/-0.000 χ^2/NDF: 43.8/40

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

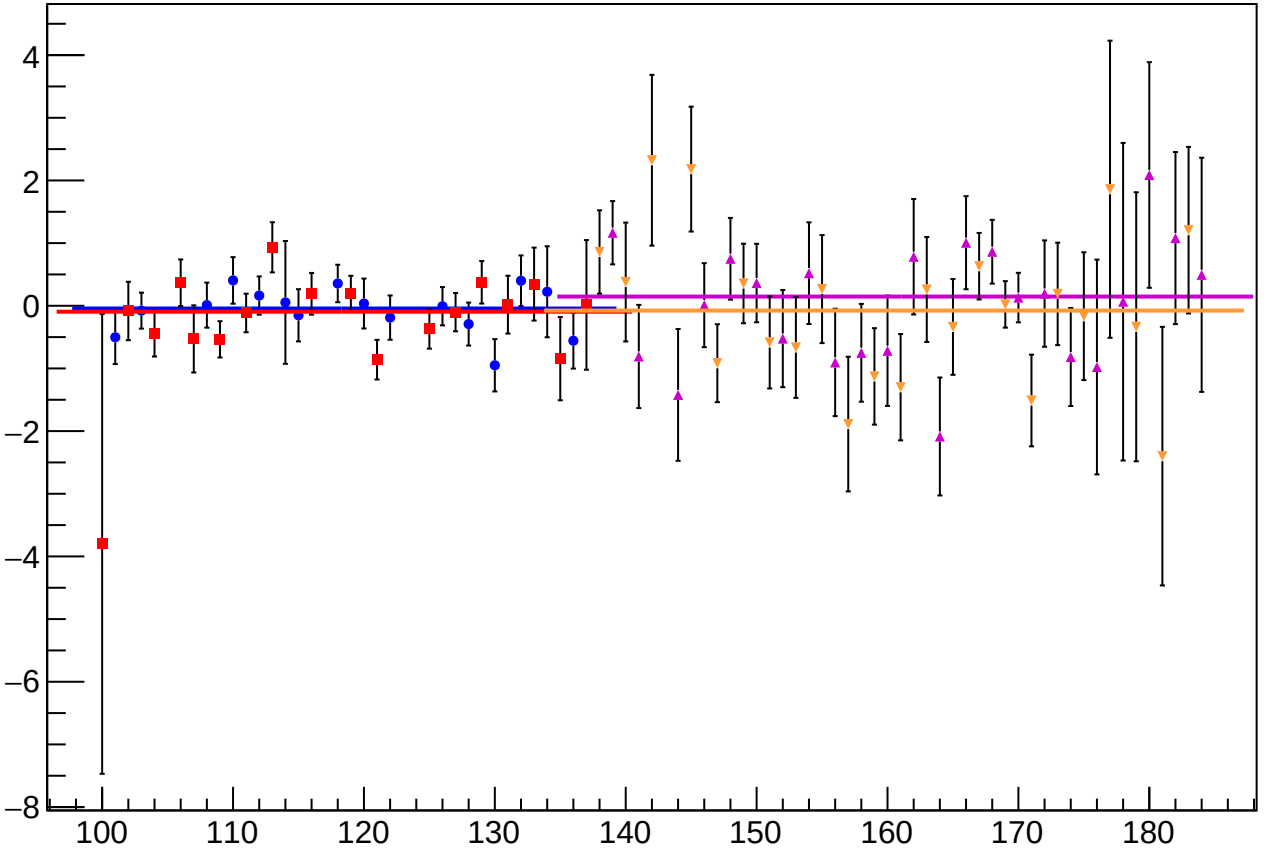
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.010+/-0.000 χ^2/NDF: 15781923.1/38

All: 0.009+/-0.000 χ^2/NDF: 37030020.0/79

- sign 0.008+/-0.000 χ^2/NDF: 20236260.9/40

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

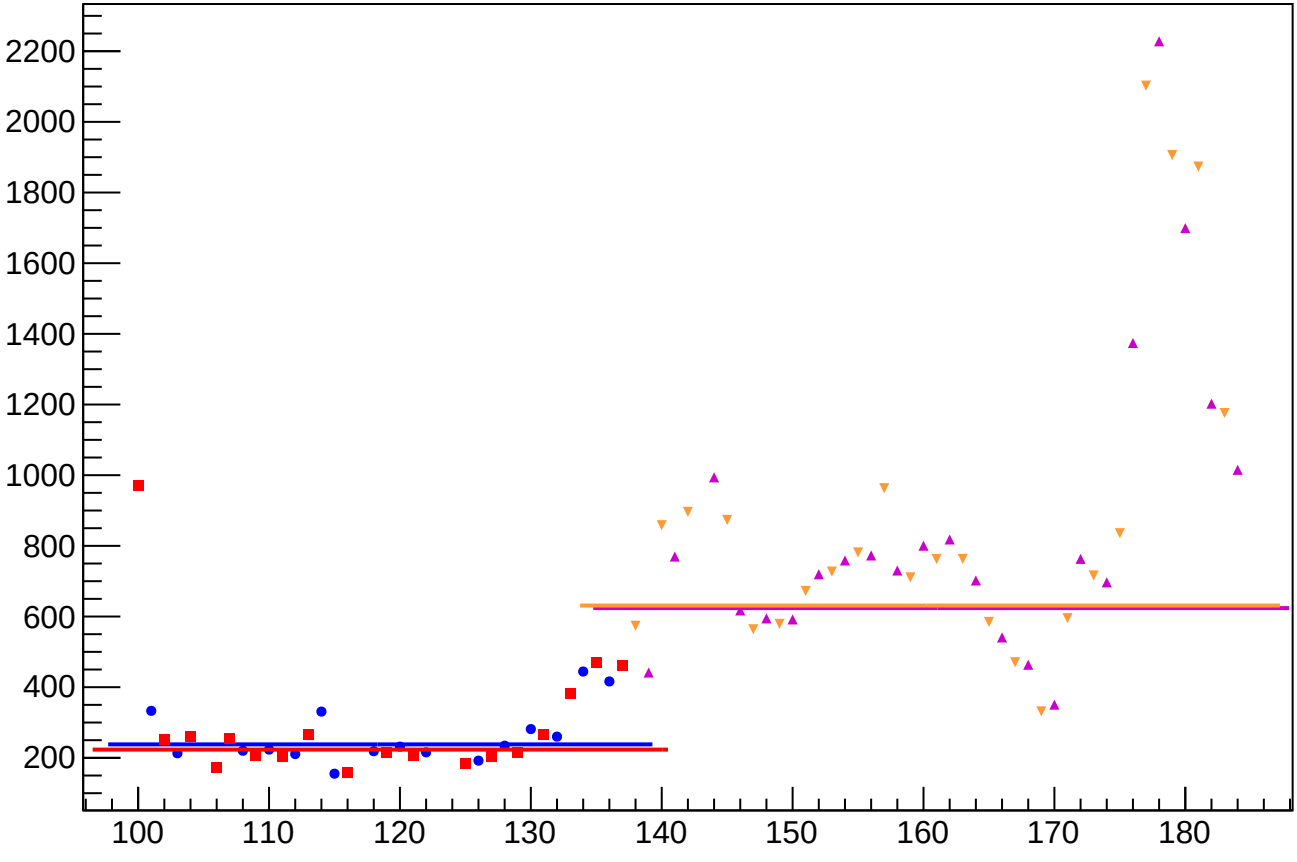
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.052+/-0.081 χ^2/NDF: 42.8/38

All: -0.043+/-0.056 χ^2/NDF: 96.3/79

- sign -0.035+/-0.078 χ^2/NDF: 53.5/40

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

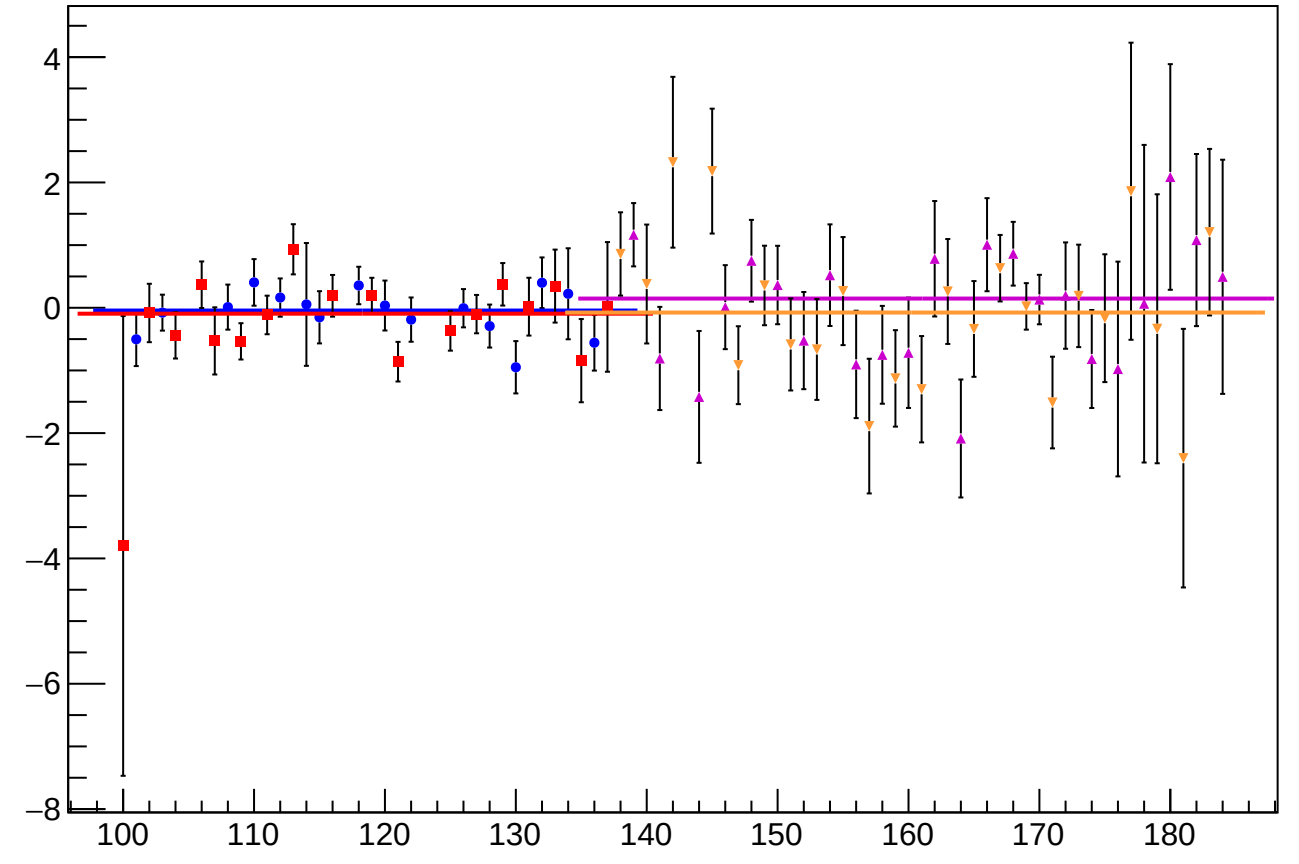
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.911+/-0.057 χ^2/NDF: 14531696.4/38

All: 328.857+/-0.040 χ^2/NDF: 29655910.6/79

- sign 321.369+/-0.055 χ^2/NDF: 15086205.9/40



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.076+/-0.162 χ^2/NDF:29.7/22

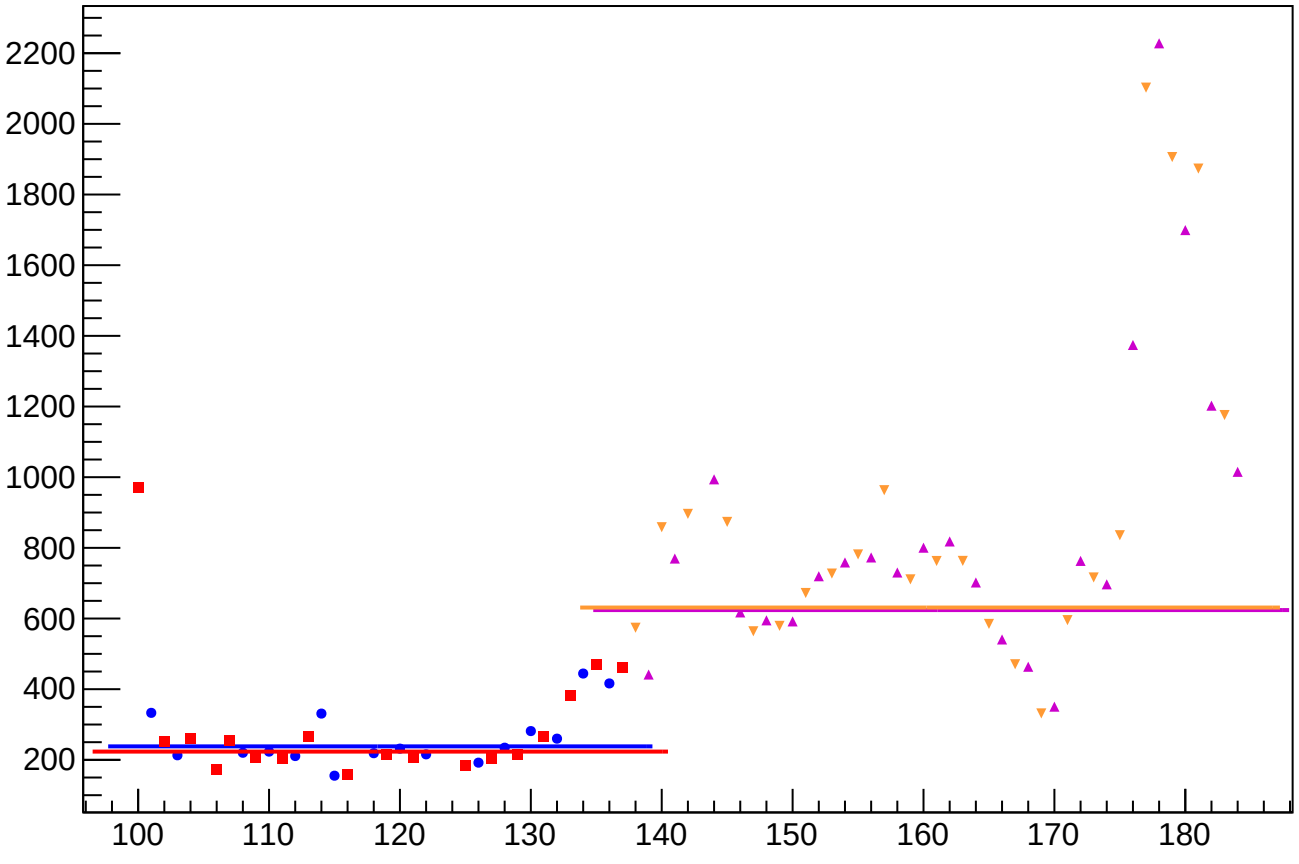
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.052+/-0.081 χ^2/NDF: 42.8/38

All: -0.043+/-0.056 χ^2/NDF: 96.3/79

- sign -0.035+/-0.078 χ^2/NDF: 53.5/40



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 631.085+/-0.114 χ^2/NDF:4904850.0/22

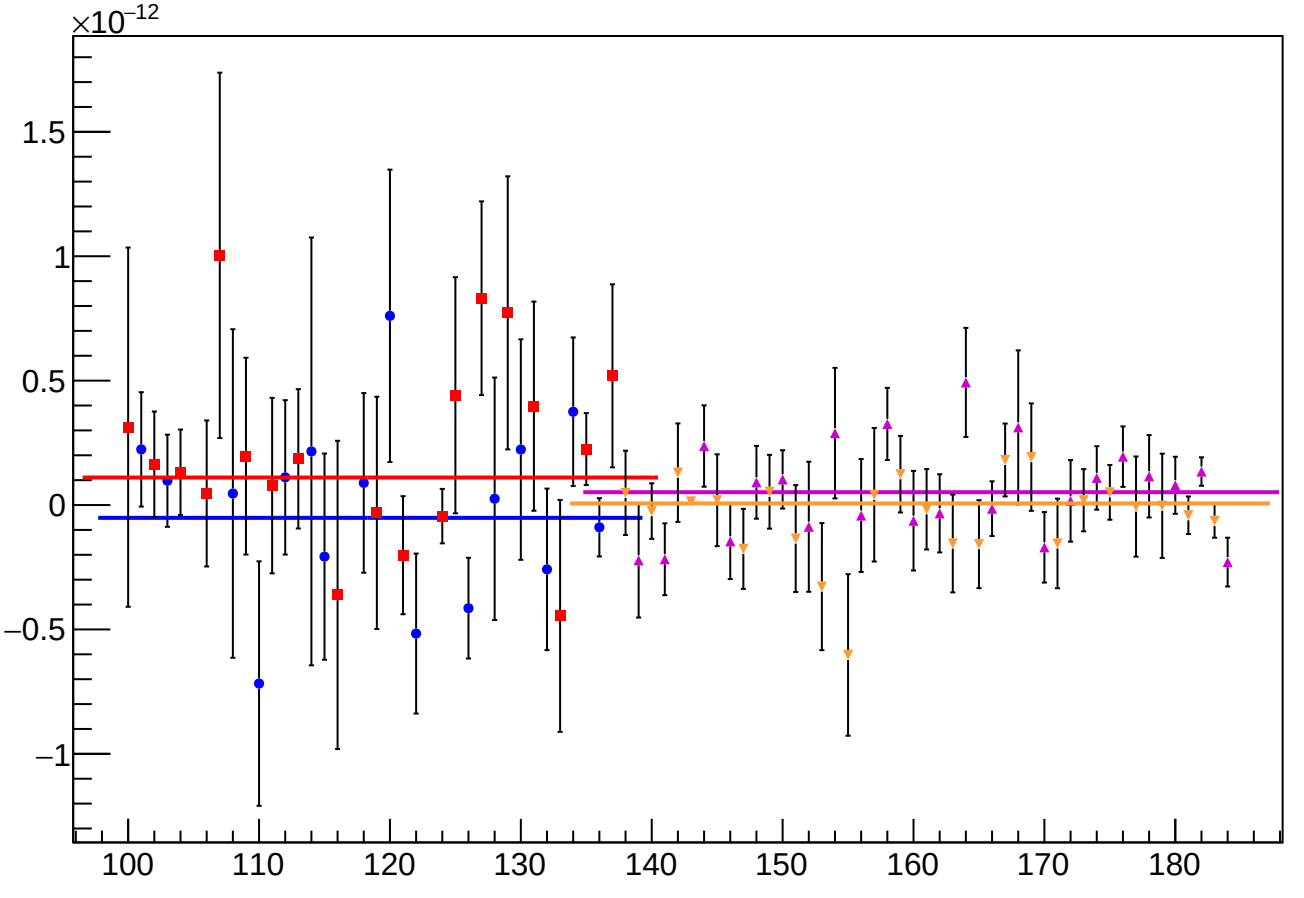
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.911+/-0.057 χ^2/NDF: 14531696.4/38

All: 328.857+/-0.040 χ^2/NDF: 29655910.6/79

- sign 321.369+/-0.055 χ^2/NDF: 15086205.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/23

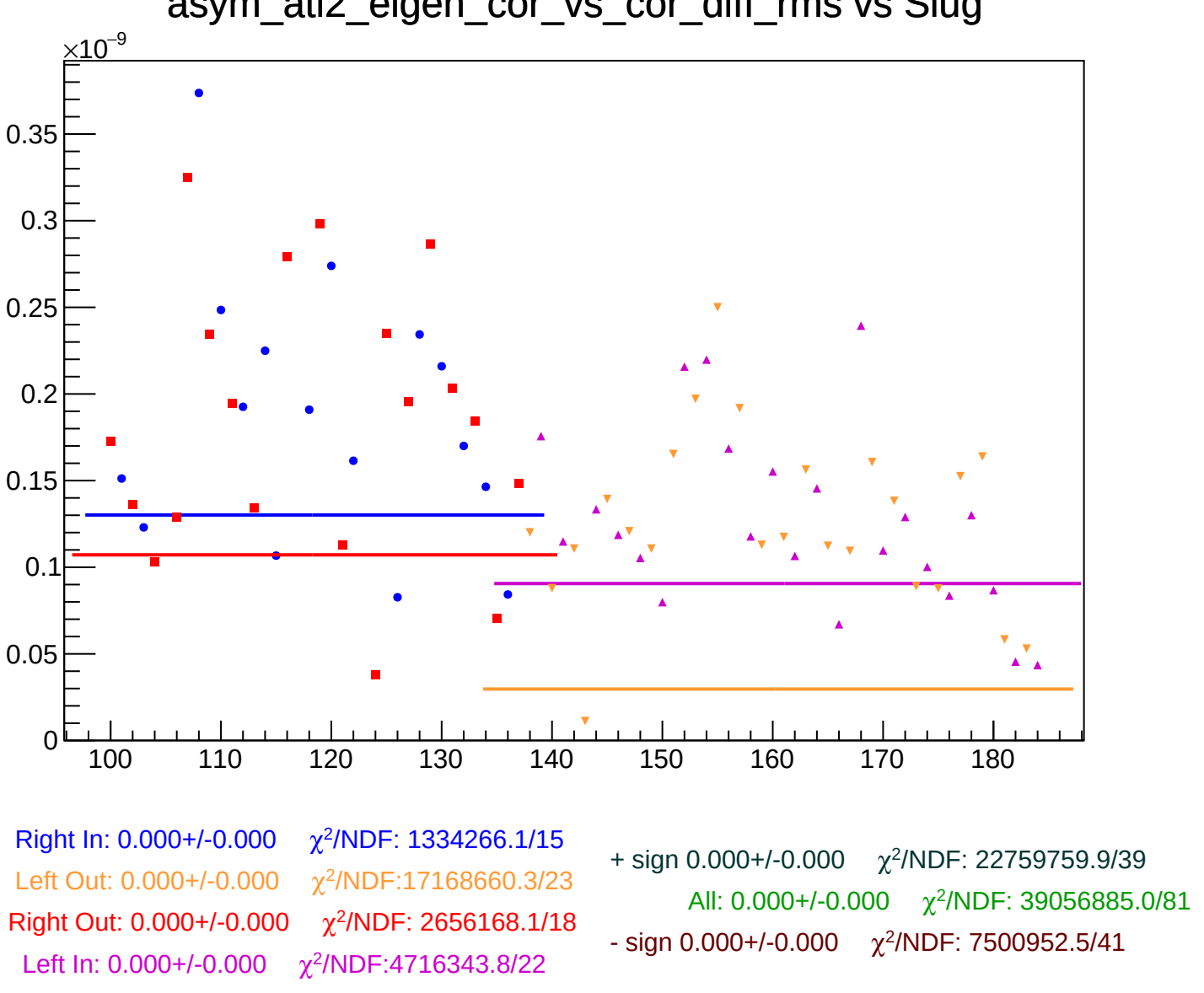
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

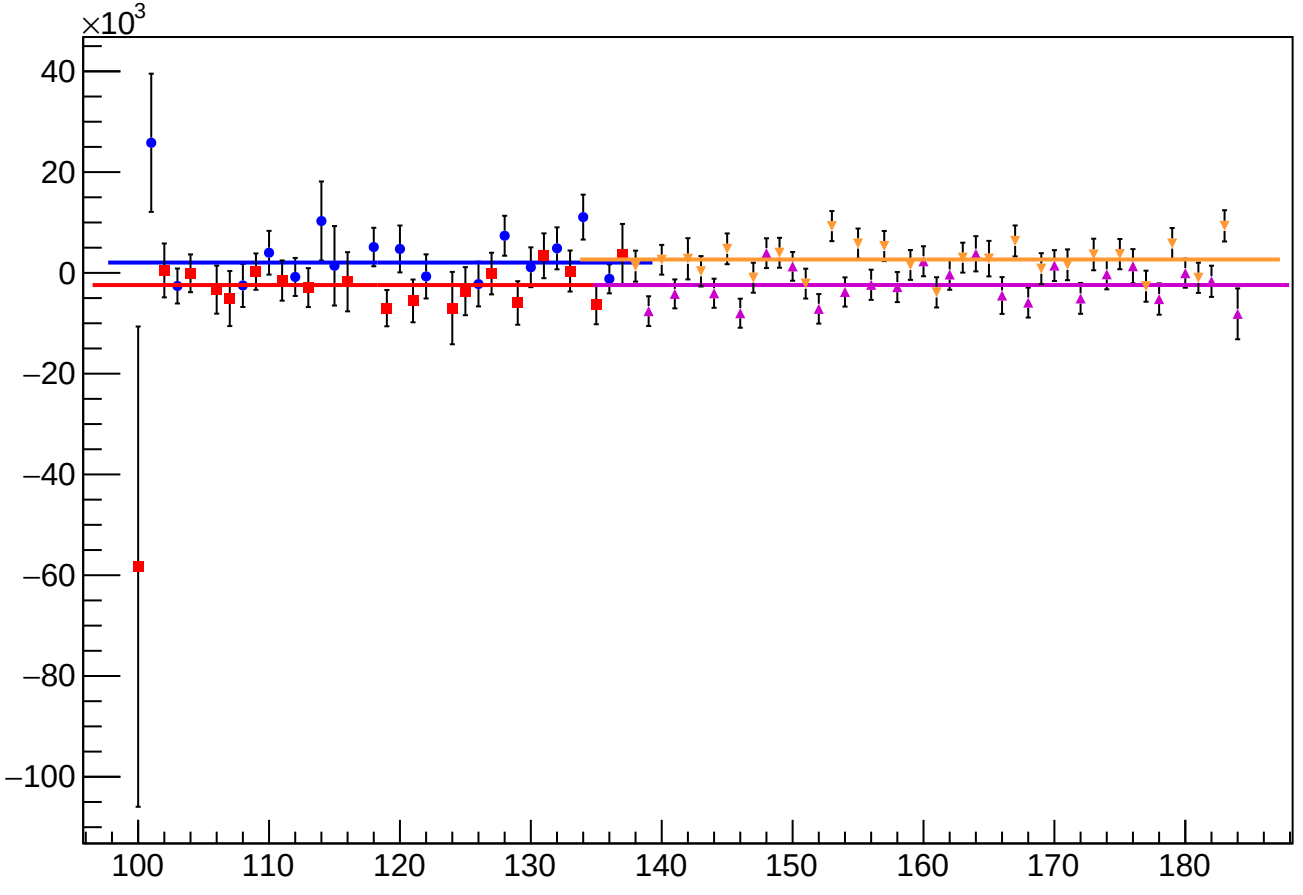
+ sign 0.000+/-0.000 χ^2/NDF: 30.1/39

All: 0.000+/-0.000 χ^2/NDF: 83.8/81

- sign 0.000+/-0.000 χ^2/NDF: 49.5/41


asym_atl2_eigen_cor_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: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:17168660.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:4716343.8/22
+ sign 0.000+/-0.000 χ²/NDF: 22759759.9/39
All: 0.000+/-0.000 χ²/NDF: 39056885.0/81
- sign 0.000+/-0.000 χ²/NDF: 7500952.5/41

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

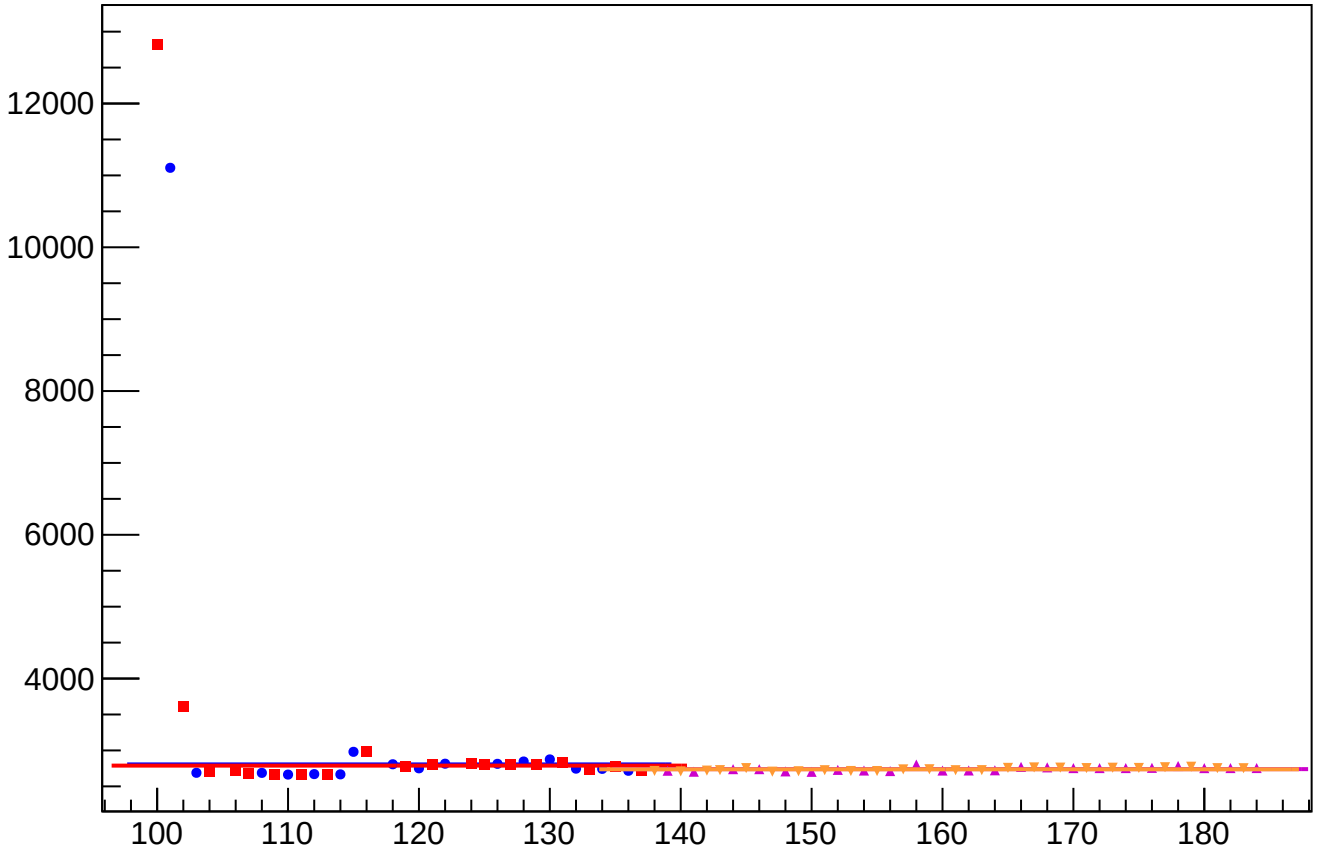
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2504.870+/-540.382 χ^2/NDF: 47.6/39

All: 65.257+/-383.464 χ^2/NDF: 130.7/81

- sign -2409.297+/-544.238 χ^2/NDF: 42.1/41

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

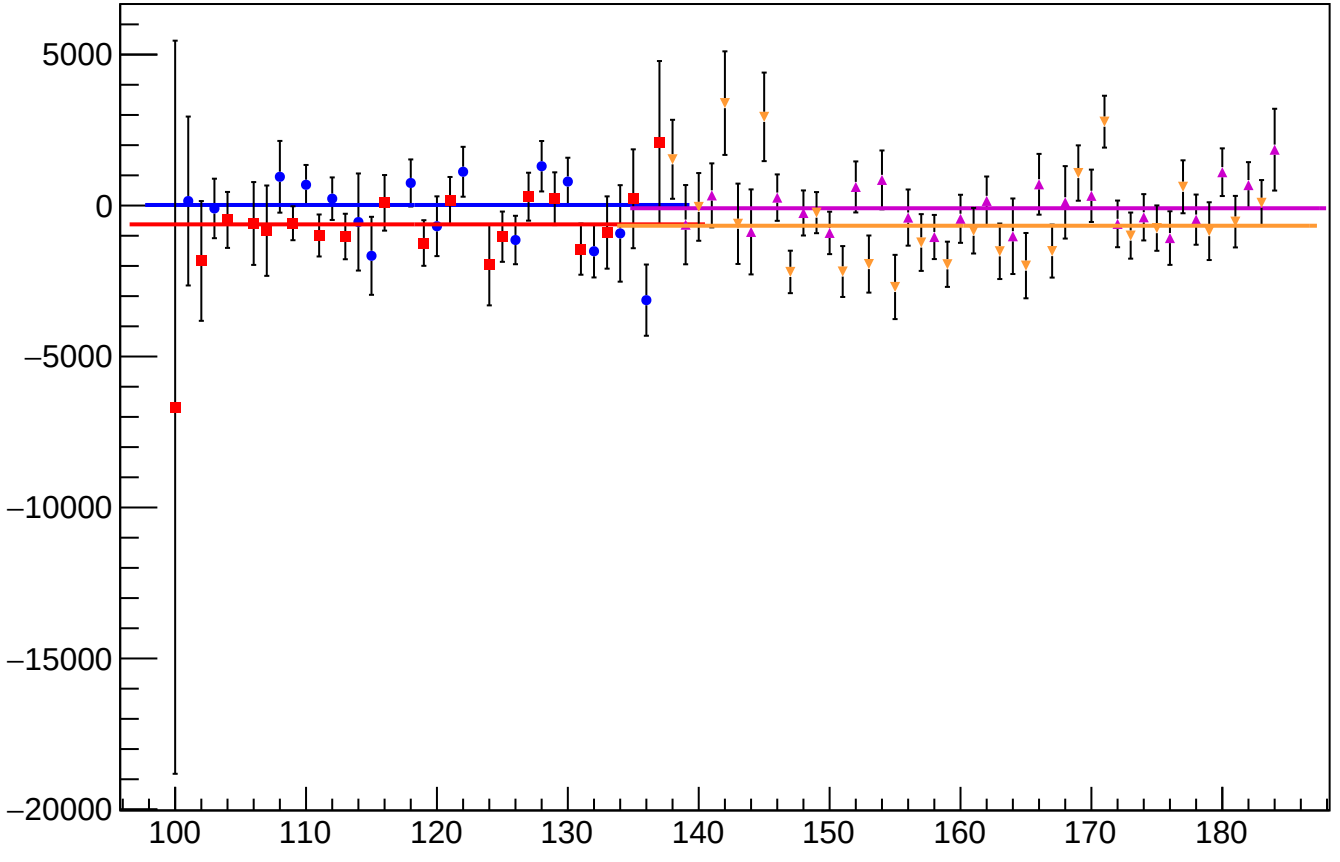
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.766+/-0.382 χ^2/NDF: 754572.2/39

All: 2754.081+/-0.271 χ^2/NDF: 908174.7/81

- sign 2753.388+/-0.385 χ^2/NDF: 153596.1/41

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

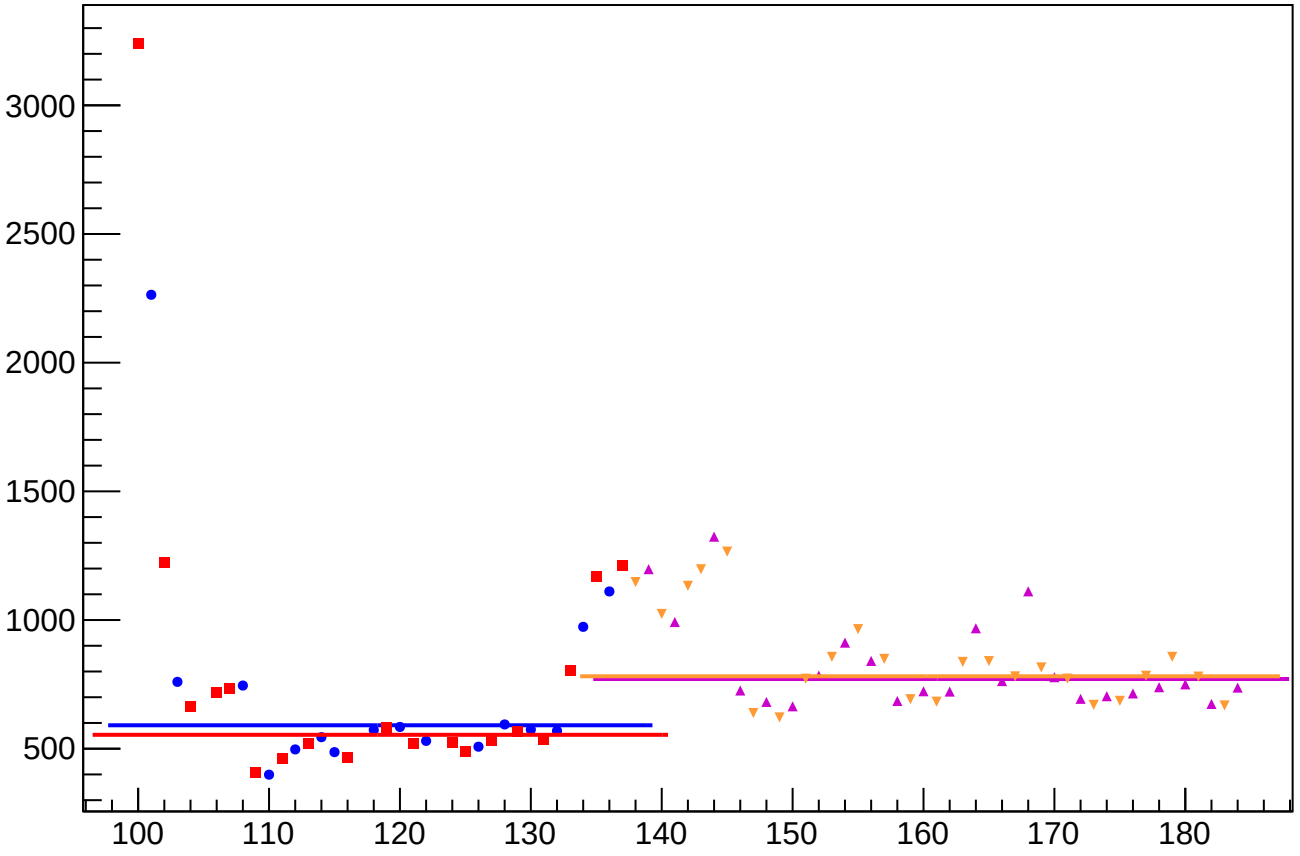
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -407.166+/-143.974 χ^2/NDF: 86.4/39

All: -358.832+/-100.308 χ^2/NDF: 114.3/81

- sign -313.240+/-139.830 χ^2/NDF: 27.6/41

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

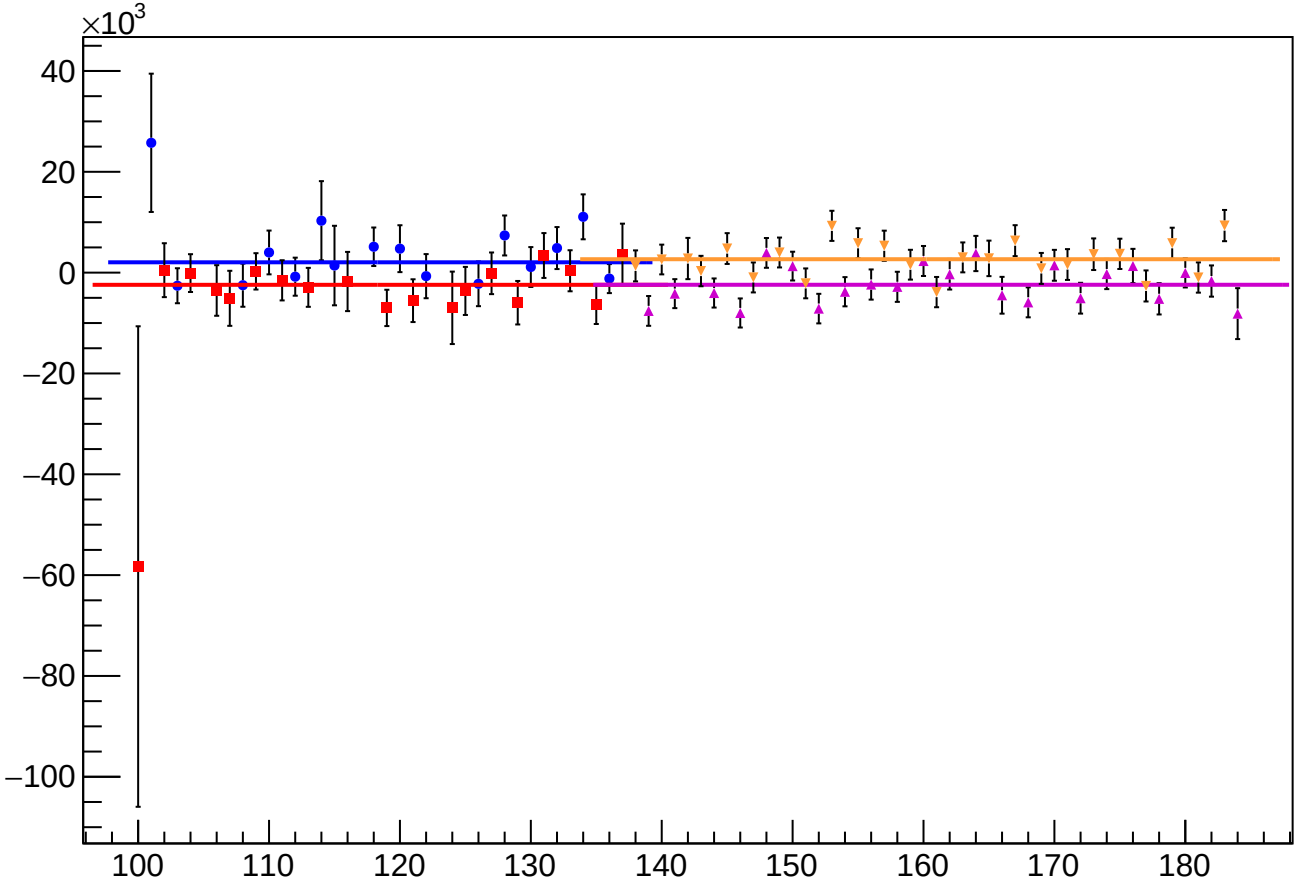
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 709.030+/-0.102 χ^2/NDF: 3625845.1/39

All: 694.035+/-0.071 χ^2/NDF: 7032044.8/81

- sign 679.890+/-0.099 χ^2/NDF: 3364039.1/41

cor_asym_atr1_mean vs Slug



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

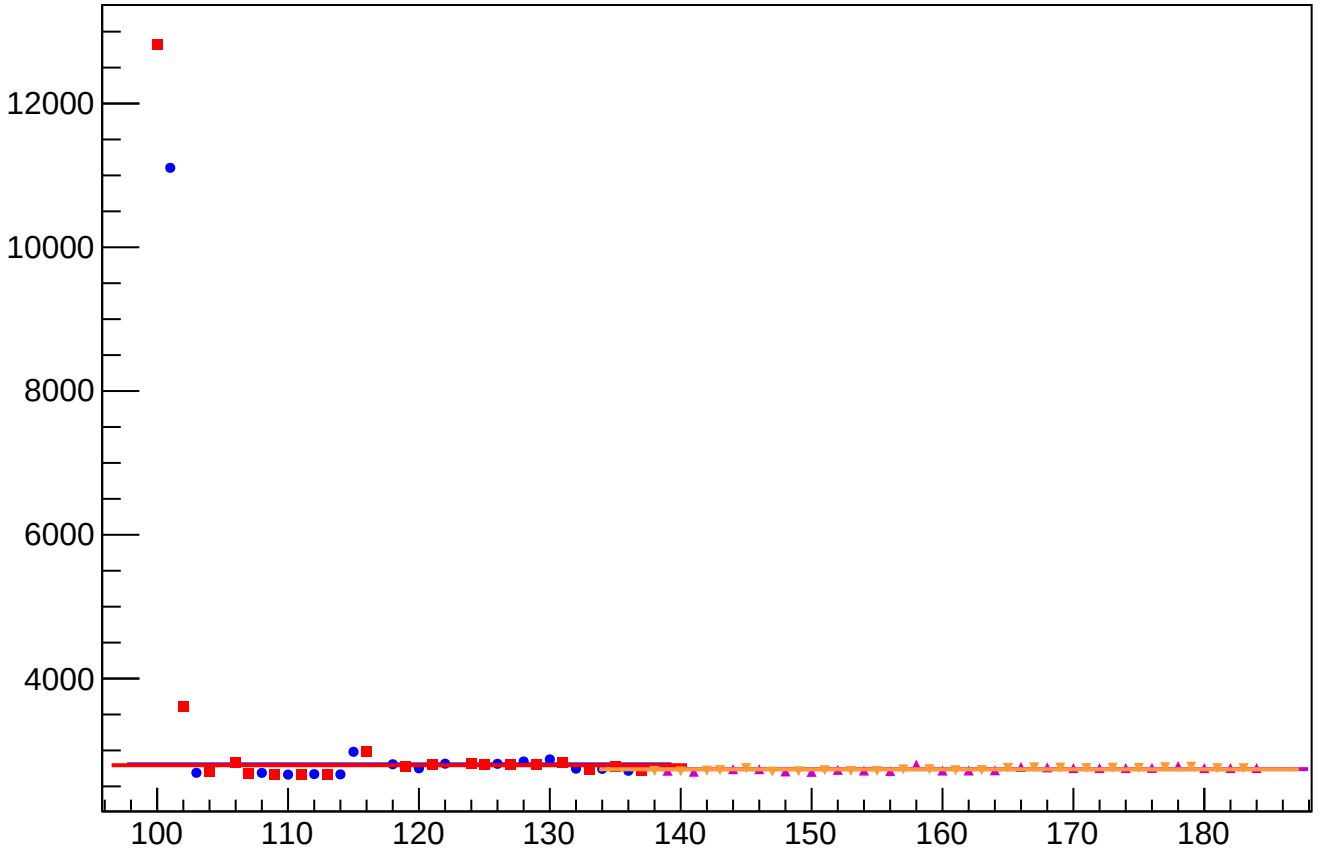
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2504.657+/-540.382 χ^2/NDF: 47.5/39

All: 65.833+/-383.584 χ^2/NDF: 130.7/81

- sign -2411.063+/-544.583 χ^2/NDF: 42.1/41

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

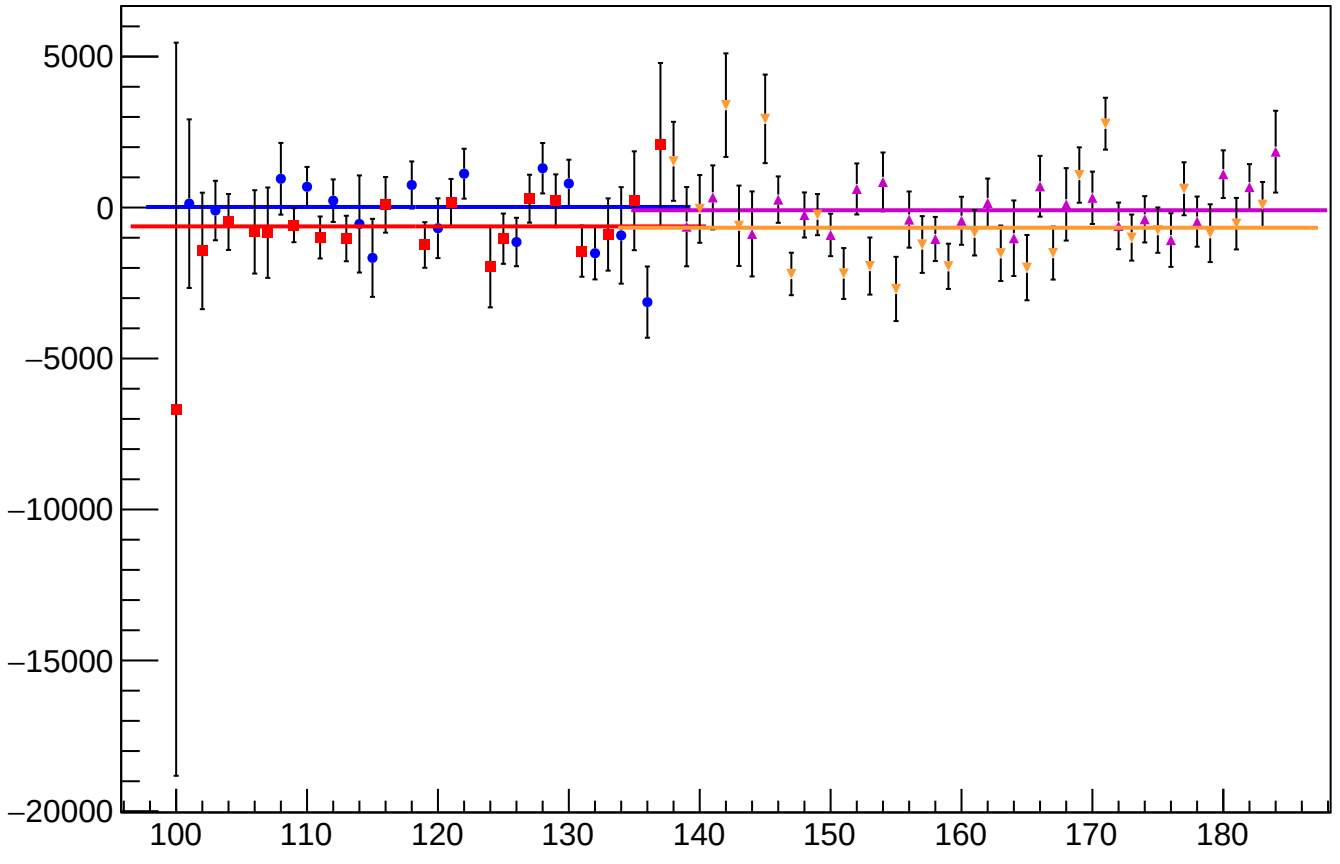
Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.766+/-0.382 χ^2/NDF: 754571.3/39

All: 2754.789+/-0.271 χ^2/NDF: 908644.0/81

- sign 2754.812+/-0.385 χ^2/NDF: 154072.7/41



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

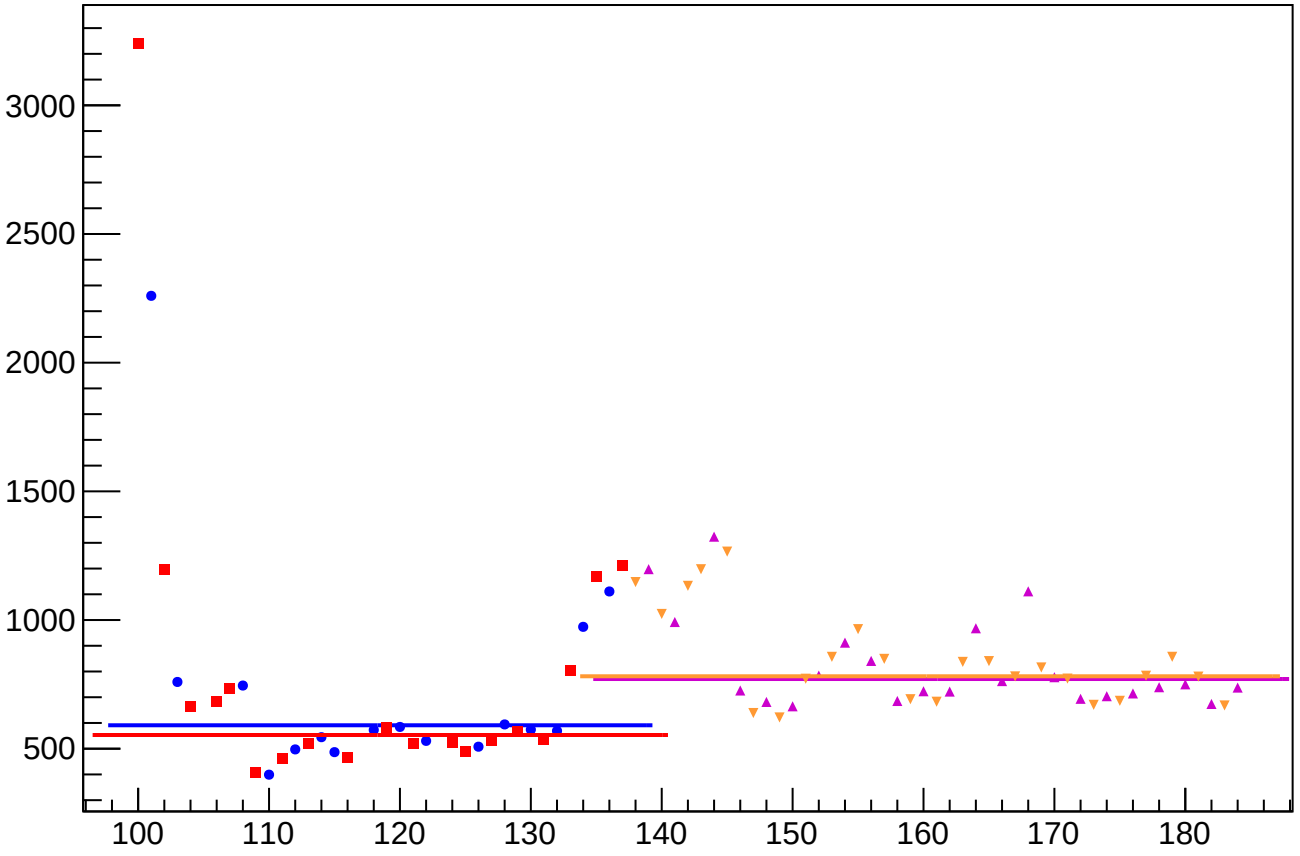
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

\+ sign -407.076+/-143.971 χ^2/NDF: 86.4/39

All: -359.091+/-100.302 χ^2/NDF: 114.1/81

\- sign -313.835+/-139.818 χ^2/NDF: 27.4/41

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

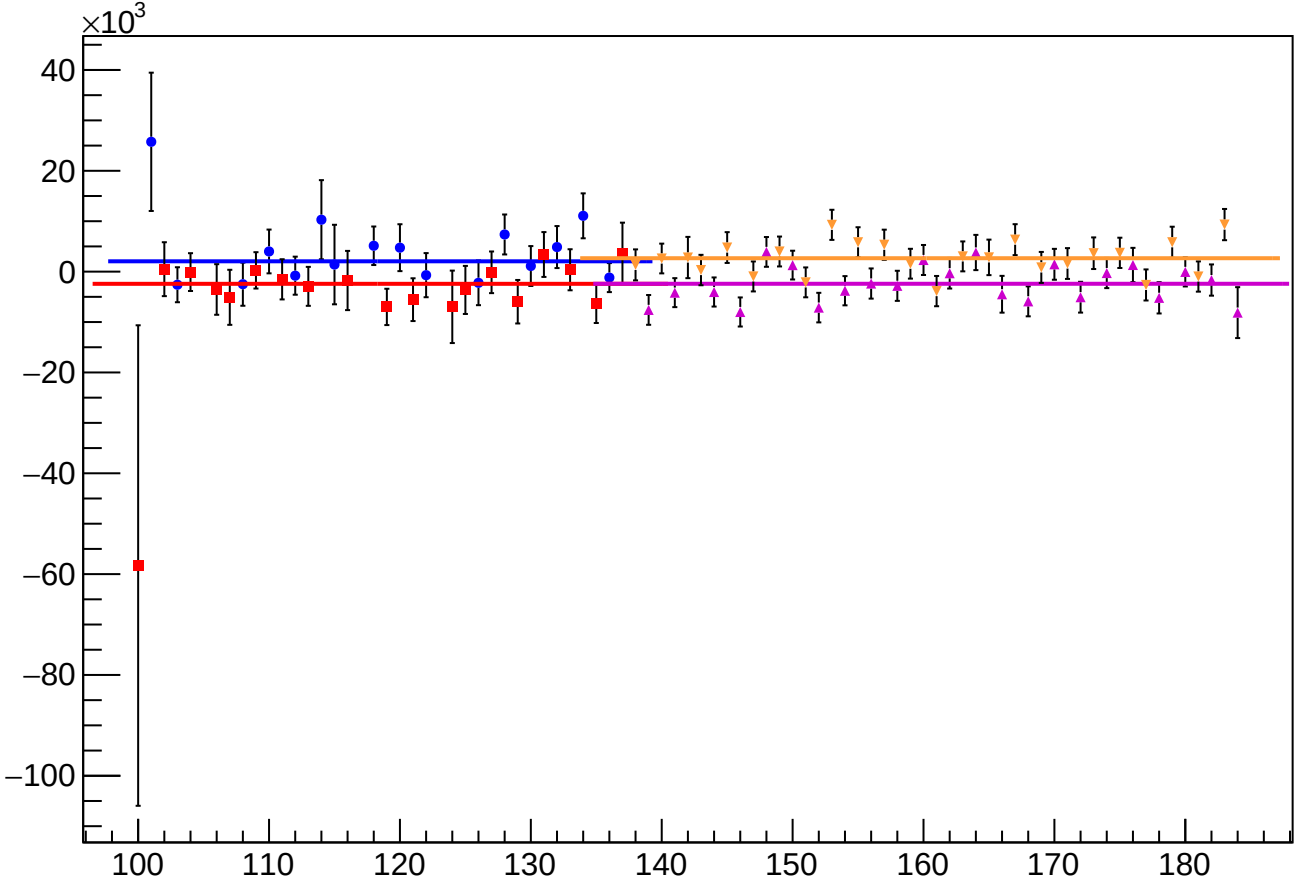
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 709.023+/-0.102 χ^2/NDF: 3624894.5/39

All: 693.858+/-0.071 χ^2/NDF: 7025160.0/81

- sign 679.555+/-0.099 χ^2/NDF: 3357145.3/41

eigen_cor_asym_atr1_mean vs Slug



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

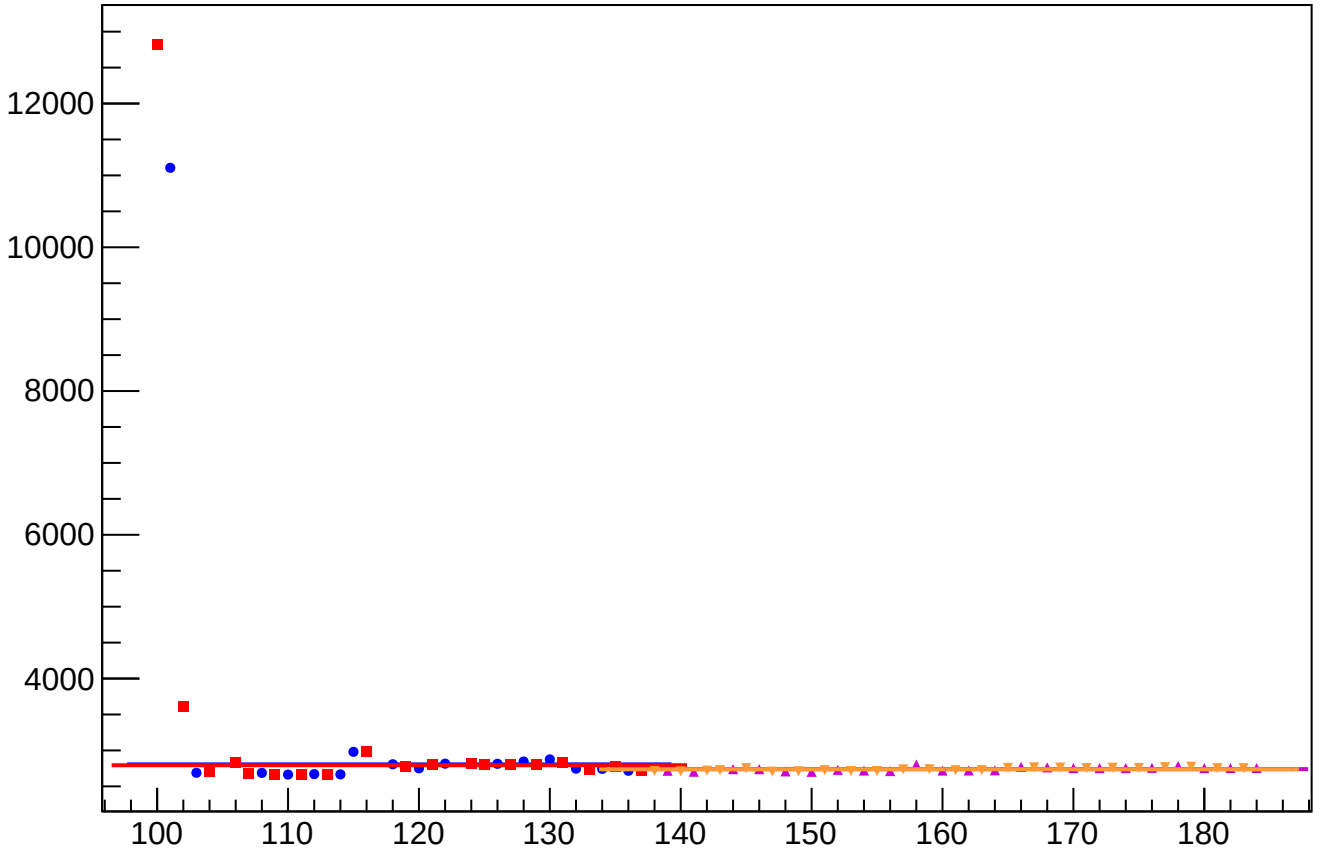
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2504.657+/-540.382 χ^2/NDF: 47.5/39

All: 65.833+/-383.584 χ^2/NDF: 130.7/81

- sign -2411.063+/-544.583 χ^2/NDF: 42.1/41

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

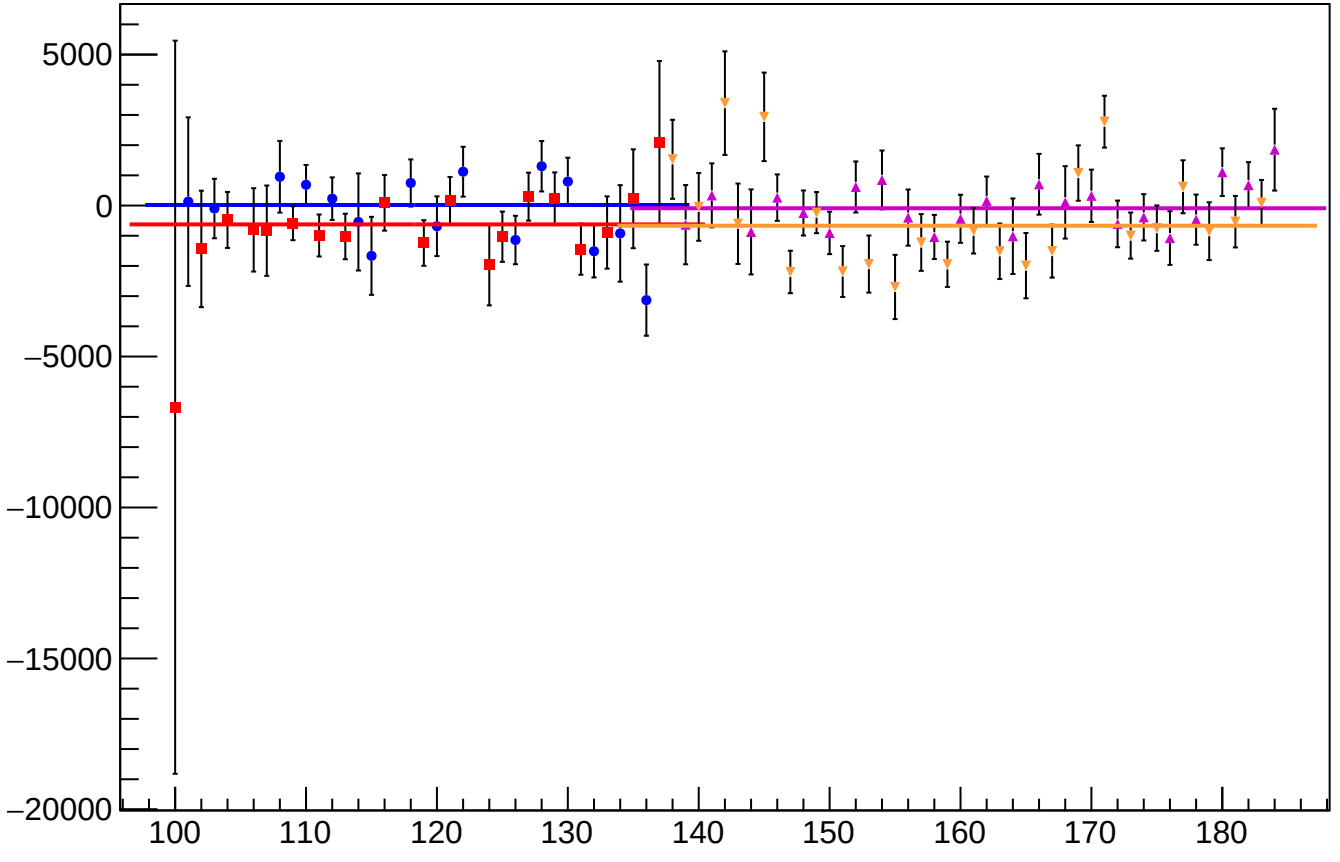
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.766+/-0.382 χ^2/NDF: 754571.3/39

All: 2754.789+/-0.271 χ^2/NDF: 908644.0/81

- sign 2754.812+/-0.385 χ^2/NDF: 154072.7/41

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

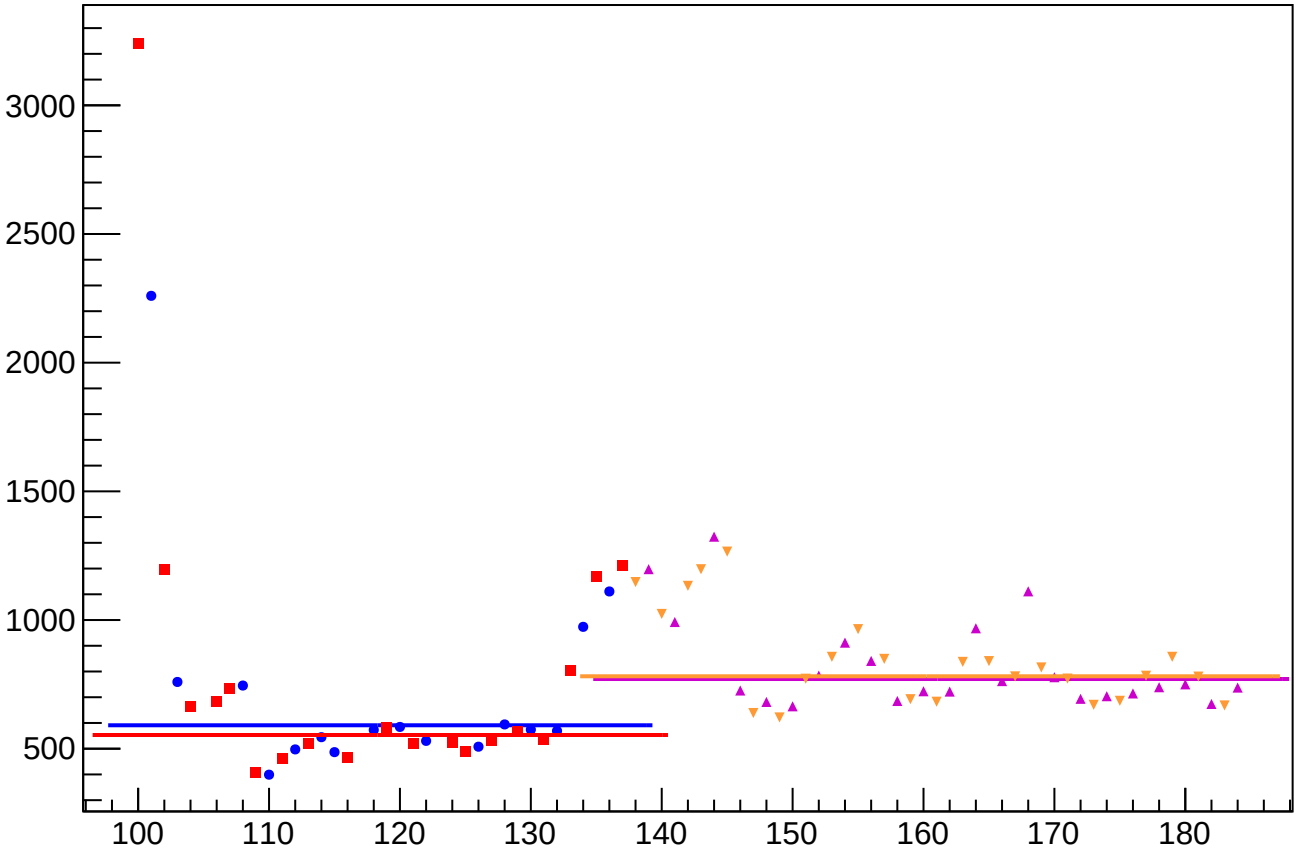
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

\+ sign -407.076+/-143.971 χ^2/NDF: 86.4/39

All: -359.091+/-100.302 χ^2/NDF: 114.1/81

\- sign -313.835+/-139.818 χ^2/NDF: 27.4/41

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

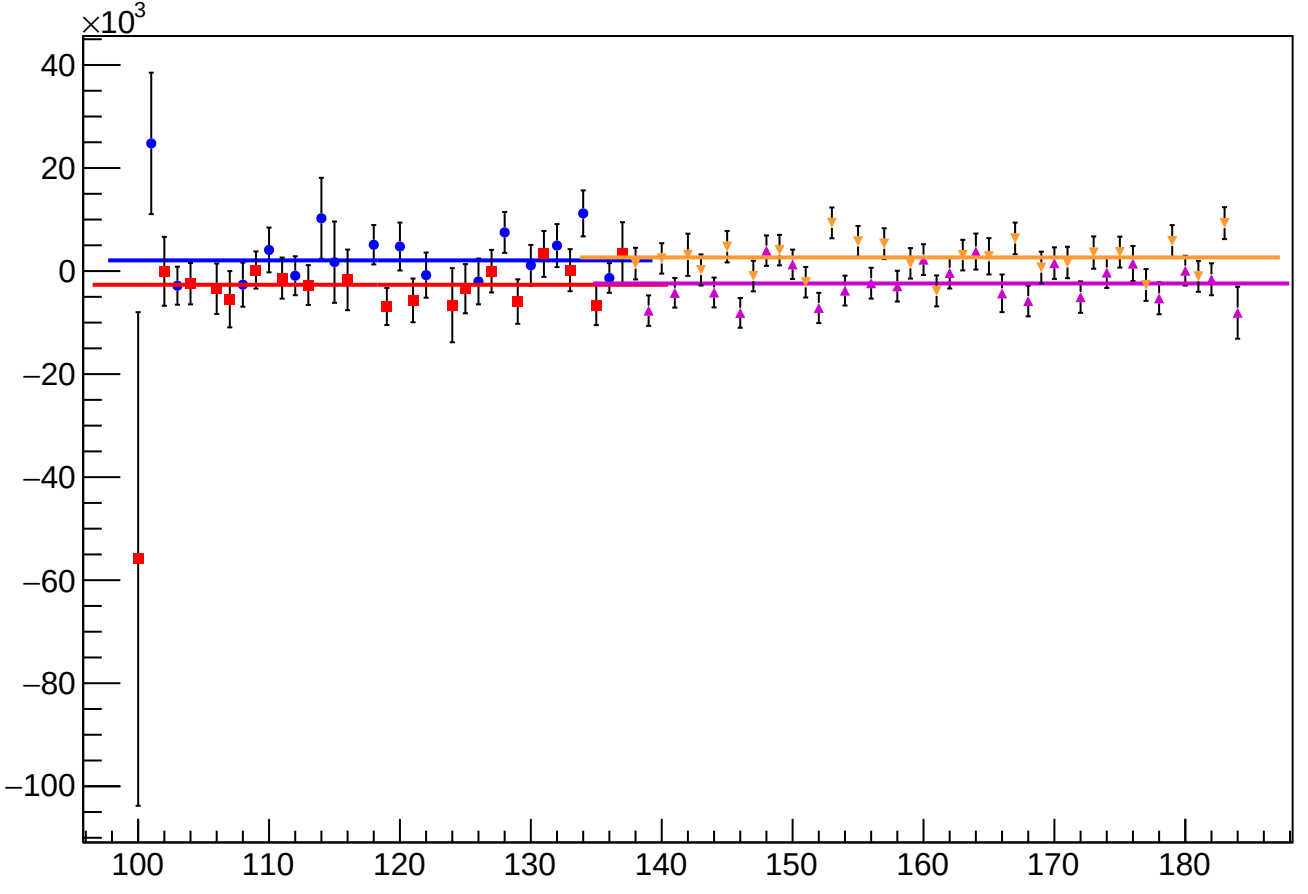
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 709.023+/-0.102 χ^2/NDF: 3624894.5/39

All: 693.858+/-0.071 χ^2/NDF: 7025160.0/81

- sign 679.555+/-0.099 χ^2/NDF: 3357145.3/41

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

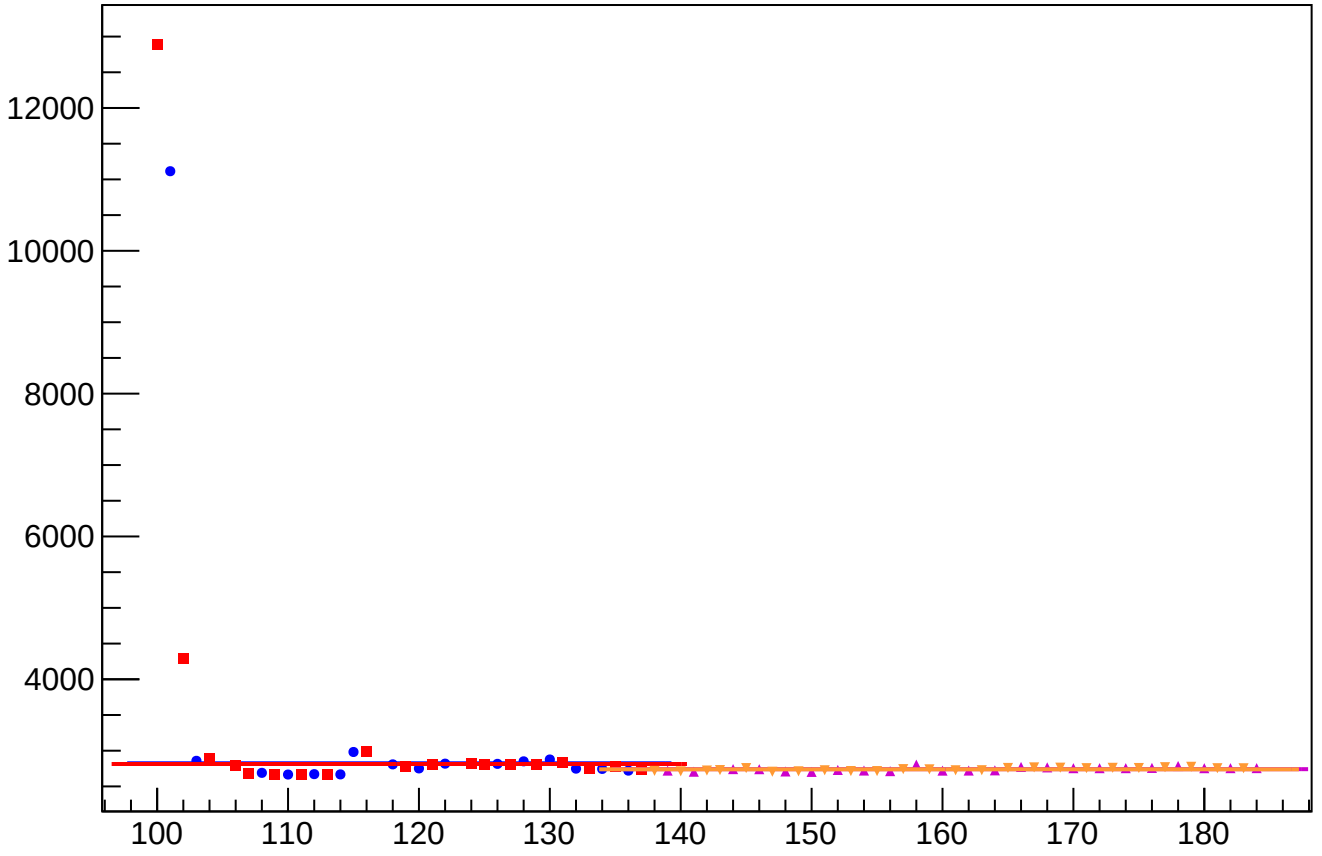
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2505.452+/-541.512 χ^2/NDF: 47.8/39

All: 38.285+/-384.665 χ^2/NDF: 131.5/81

- sign -2474.724+/-546.520 χ^2/NDF: 41.8/41

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

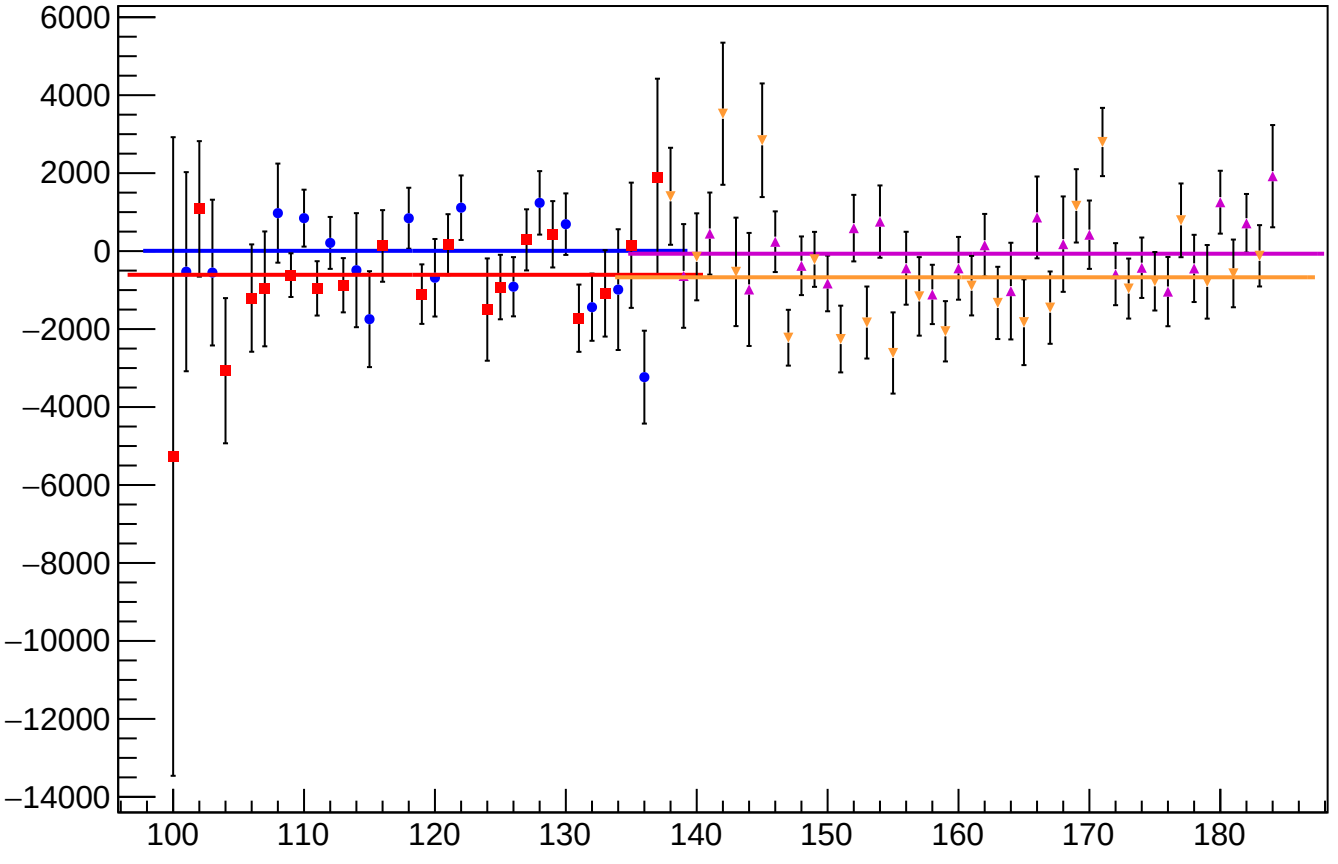
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.497+/-0.383 χ^2/NDF: 755375.4/39

All: 2760.755+/-0.272 χ^2/NDF: 966197.5/81

- sign 2761.018+/-0.386 χ^2/NDF: 210821.2/41

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

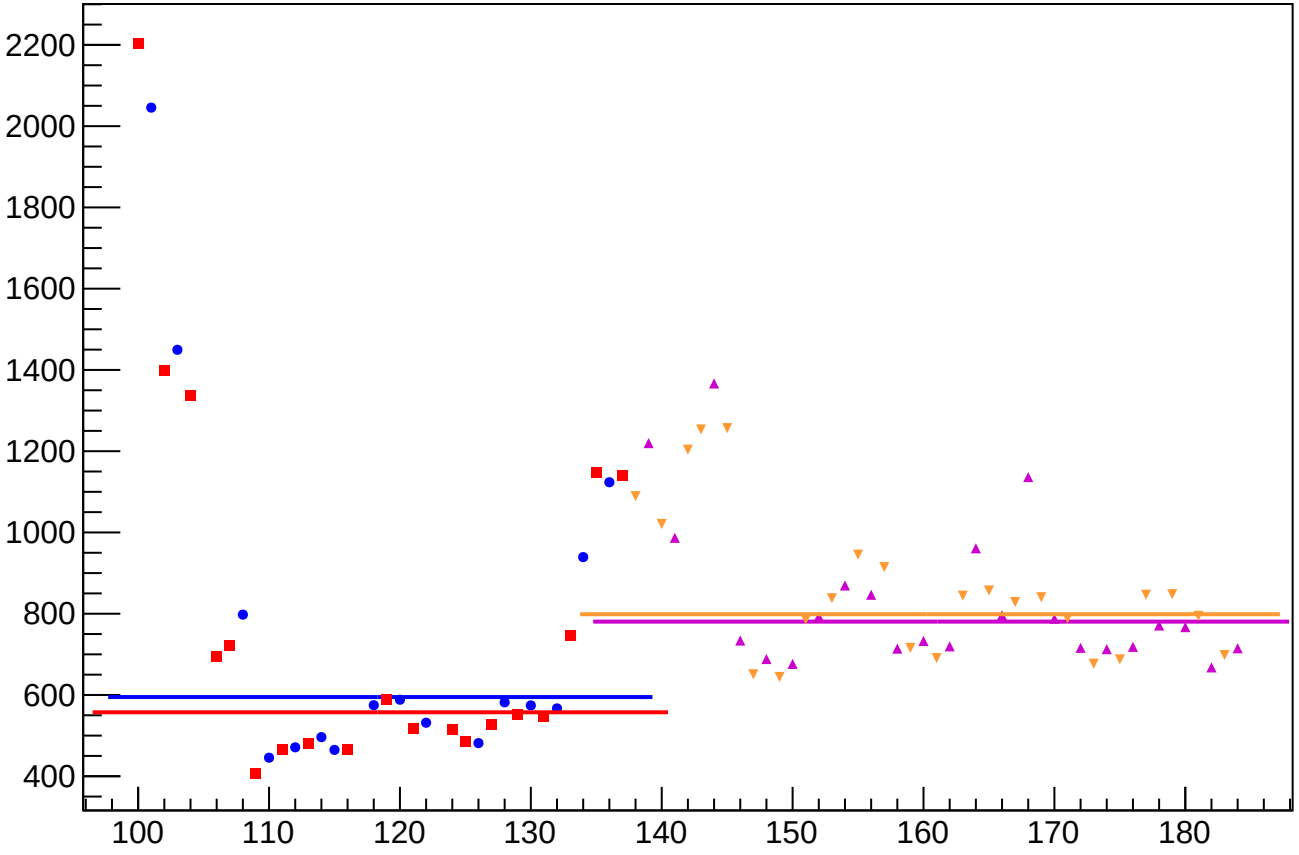
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -412.610+/-146.647 χ^2/NDF: 84.0/39

All: -351.577+/-101.640 χ^2/NDF: 115.9/81

- sign -295.155+/-141.000 χ^2/NDF: 31.6/41

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

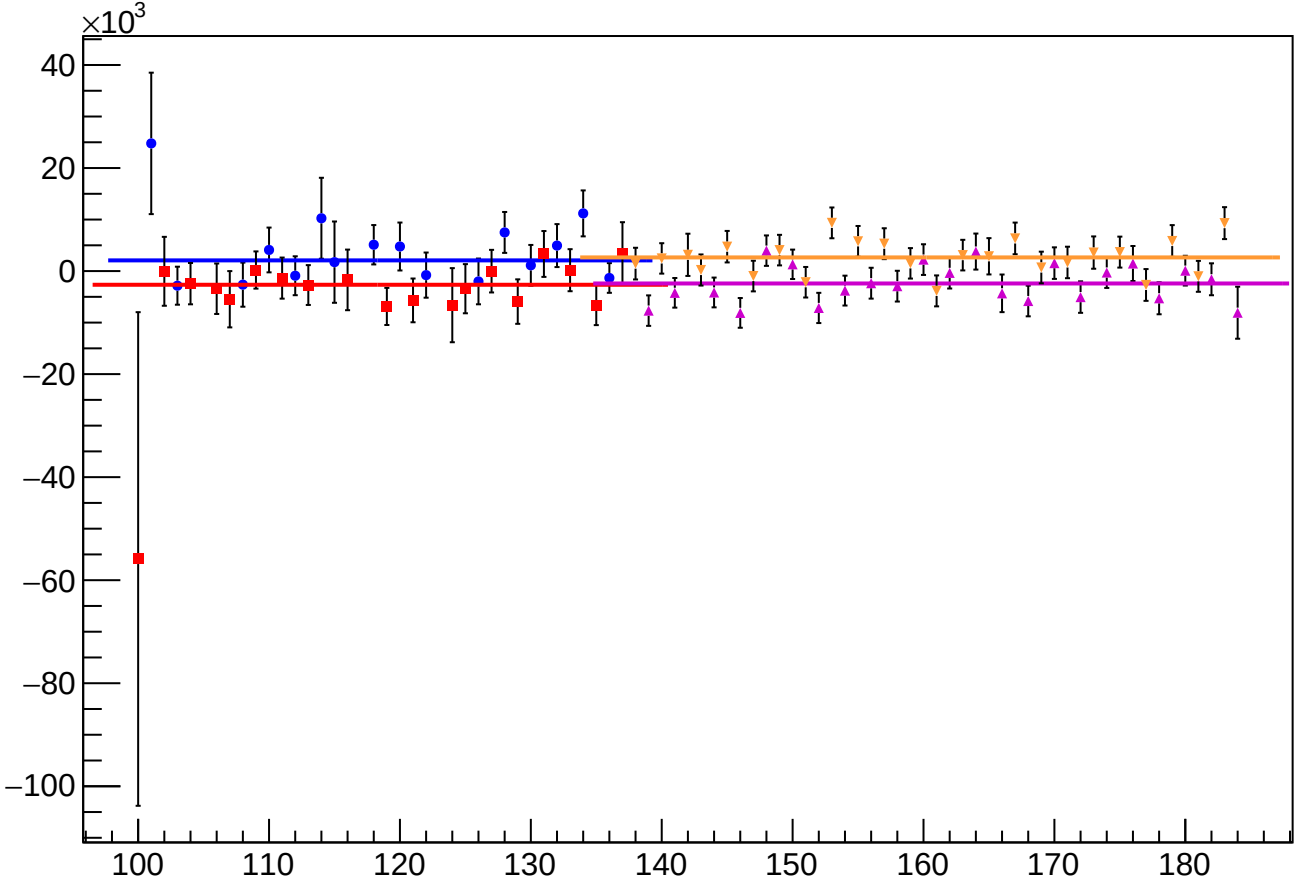
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 720.988+/-0.104 χ^2/NDF: 3931590.2/39

All: 703.016+/-0.072 χ^2/NDF: 7907044.9/81

- sign 686.402+/-0.100 χ^2/NDF: 3917646.4/41

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2651.104+/-626.421 χ^2/NDF:29.7/23

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

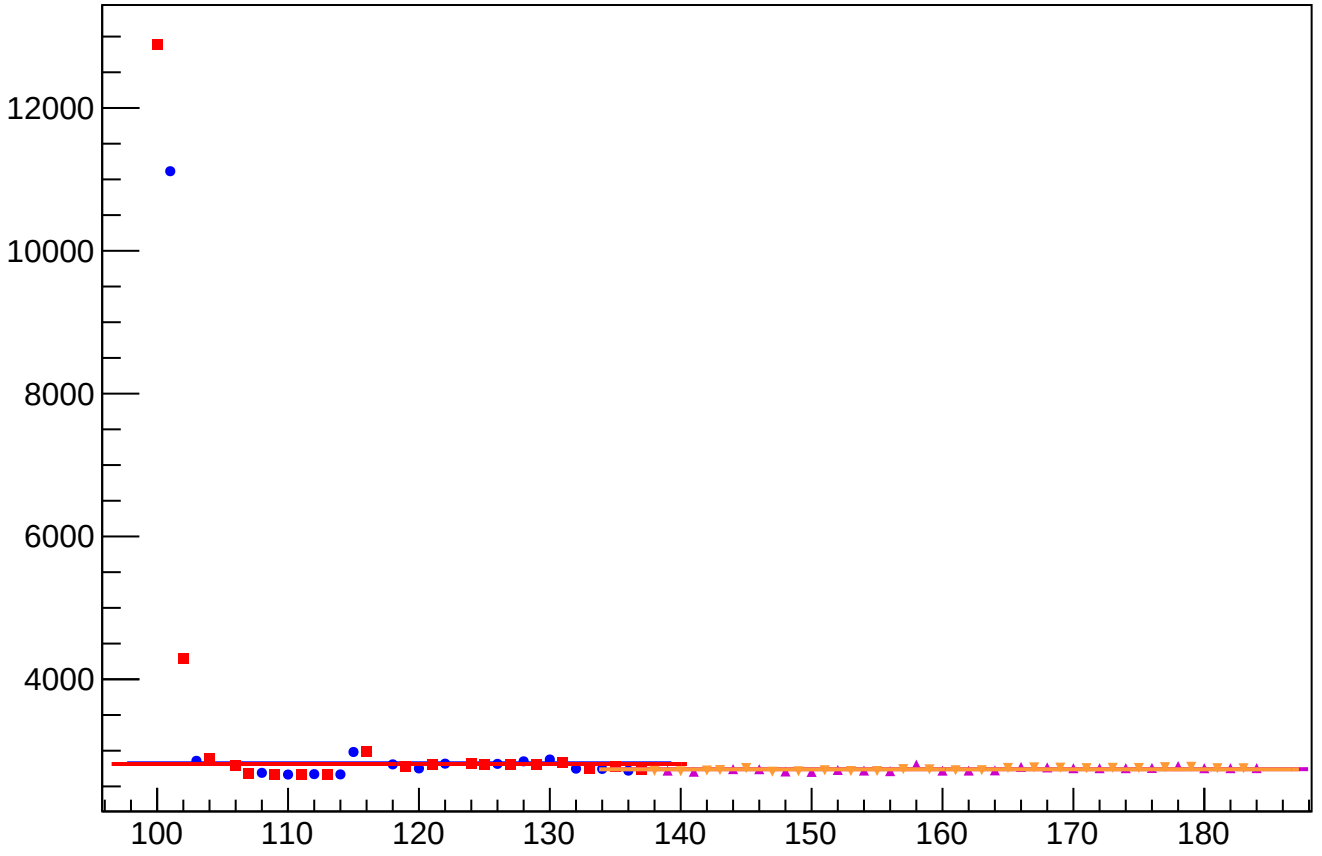
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2505.452+/-541.512 χ^2/NDF: 47.8/39

All: 38.285+/-384.665 χ^2/NDF: 131.5/81

- sign -2474.723+/-546.520 χ^2/NDF: 41.8/41

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

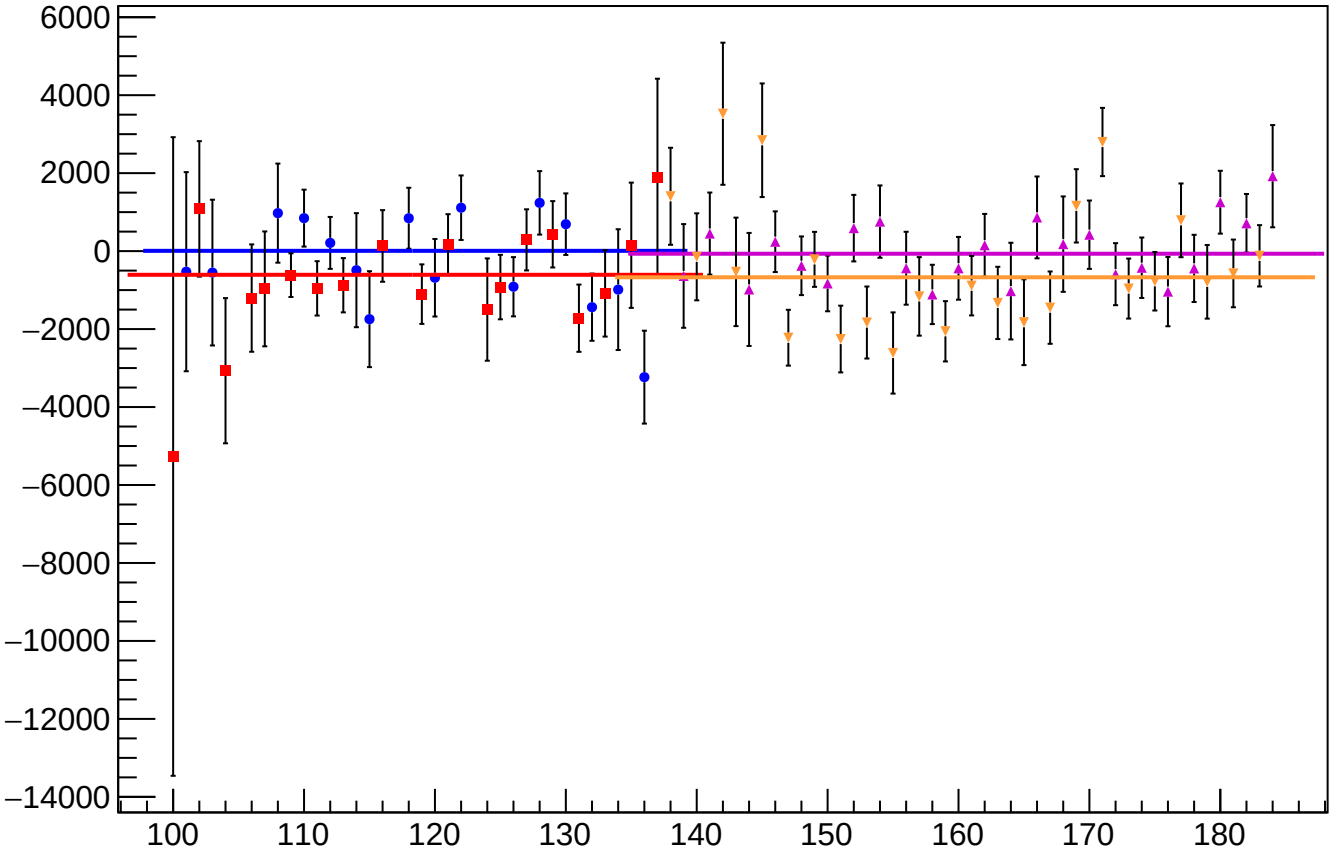
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.497+/-0.383 χ^2/NDF: 755375.4/39

All: 2760.755+/-0.272 χ^2/NDF: 966197.2/81

- sign 2761.018+/-0.386 χ^2/NDF: 210821.0/41

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

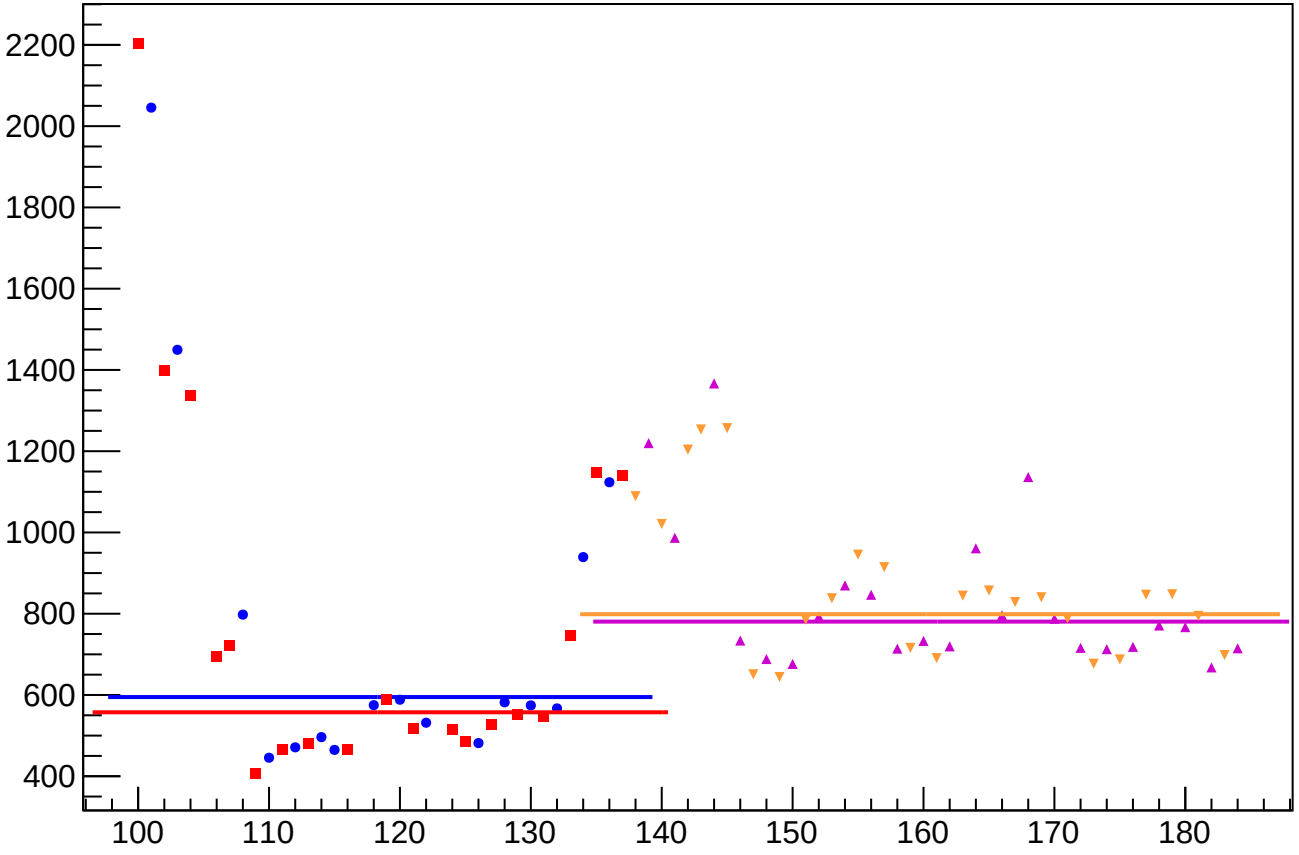
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -412.611+/-146.647 χ^2/NDF: 84.0/39

All: -351.578+/-101.640 χ^2/NDF: 115.9/81

\- sign -295.155+/-141.000 χ^2/NDF: 31.6/41

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

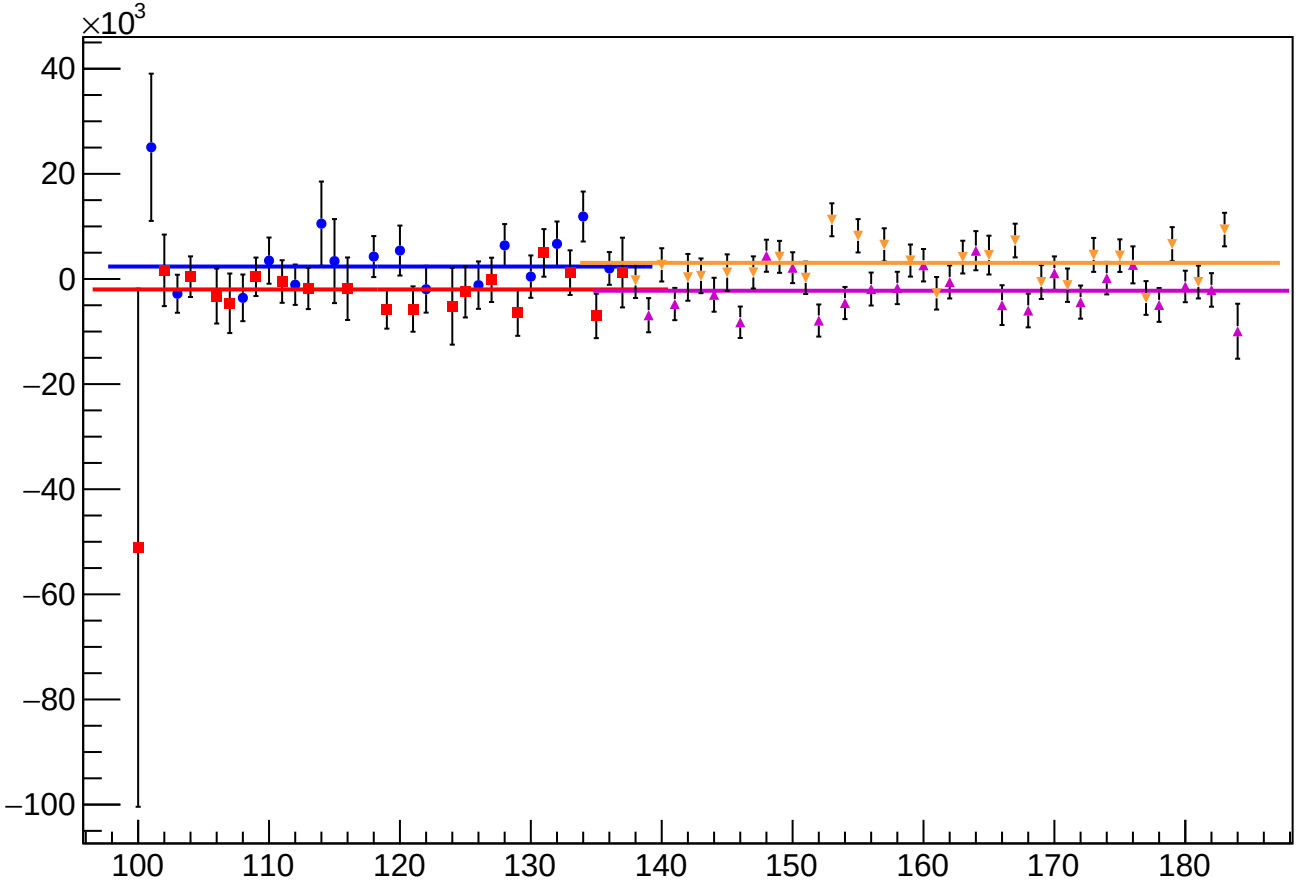
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 720.989+/-0.104 χ^2/NDF: 3931583.0/39

All: 703.016+/-0.072 χ^2/NDF: 7907035.6/81

- sign 686.402+/-0.100 χ^2/NDF: 3917643.6/41

asym_atr1_mean vs Slug



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

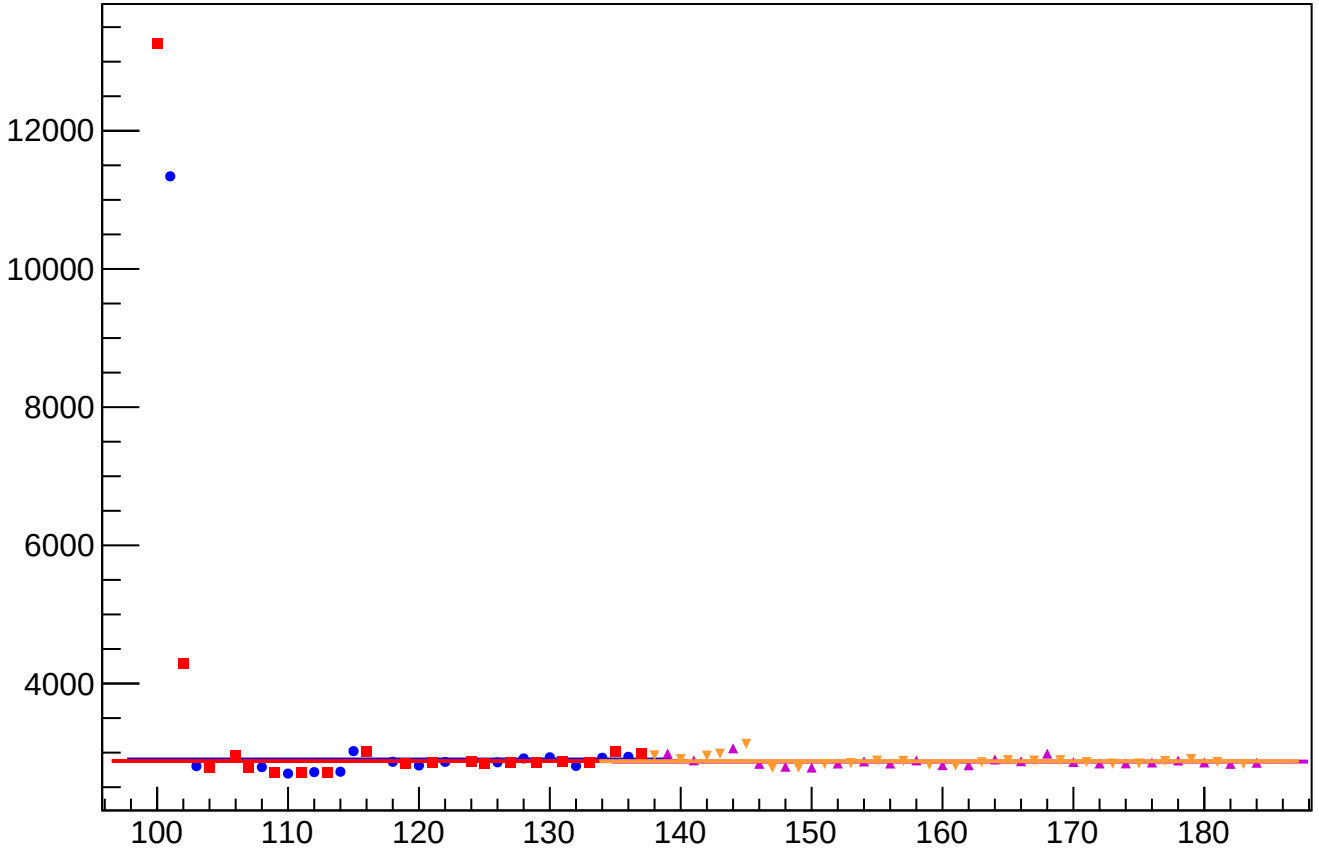
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2883.903+/-565.419 χ^2/NDF: 51.3/39

All: 373.528+/-401.019 χ^2/NDF: 135.1/81

- sign -2167.405+/-568.850 χ^2/NDF: 44.1/41

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

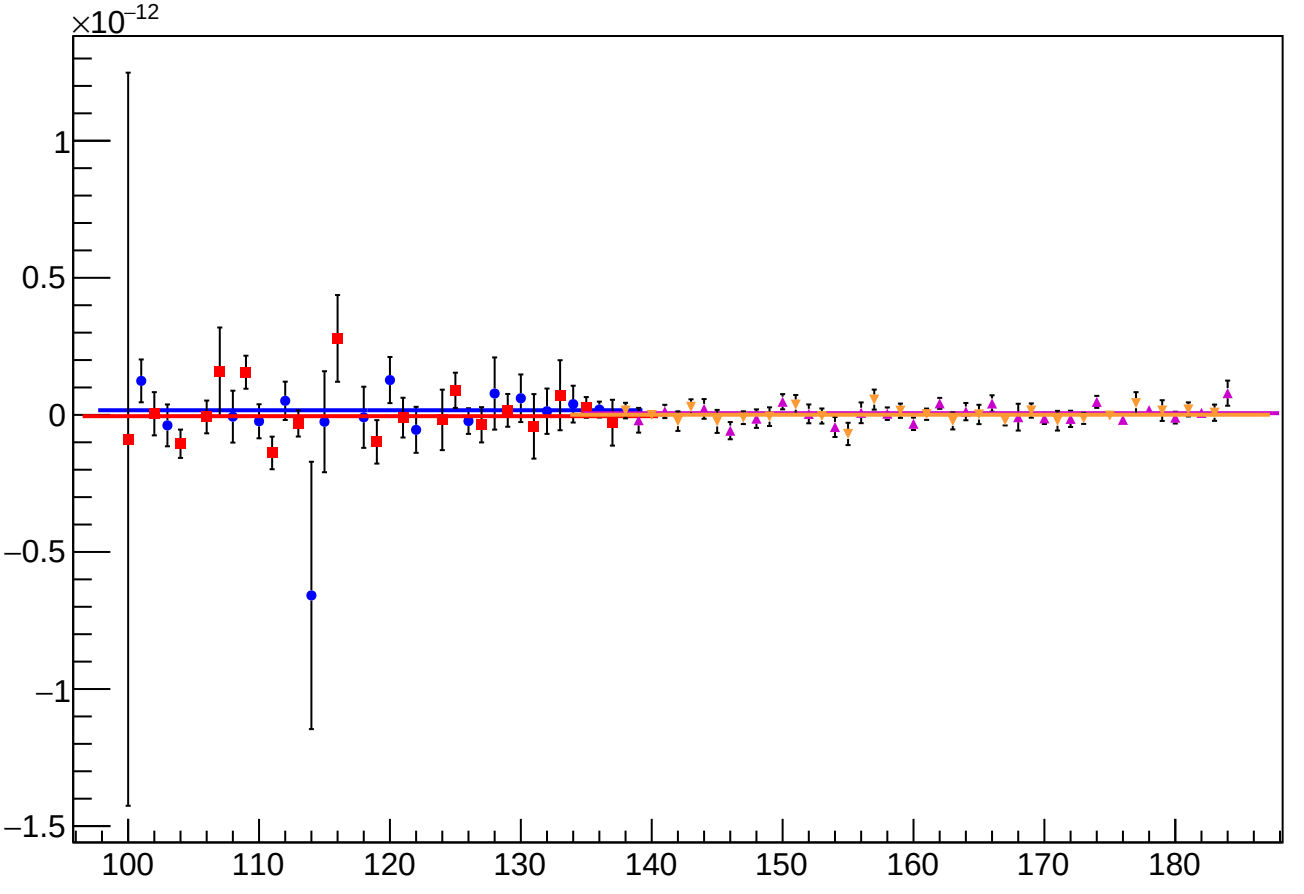
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2881.893+/-0.400 χ^2/NDF: 764191.1/39

All: 2877.283+/-0.284 χ^2/NDF: 975525.2/81

- sign 2872.617+/-0.402 χ^2/NDF: 211066.5/41

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

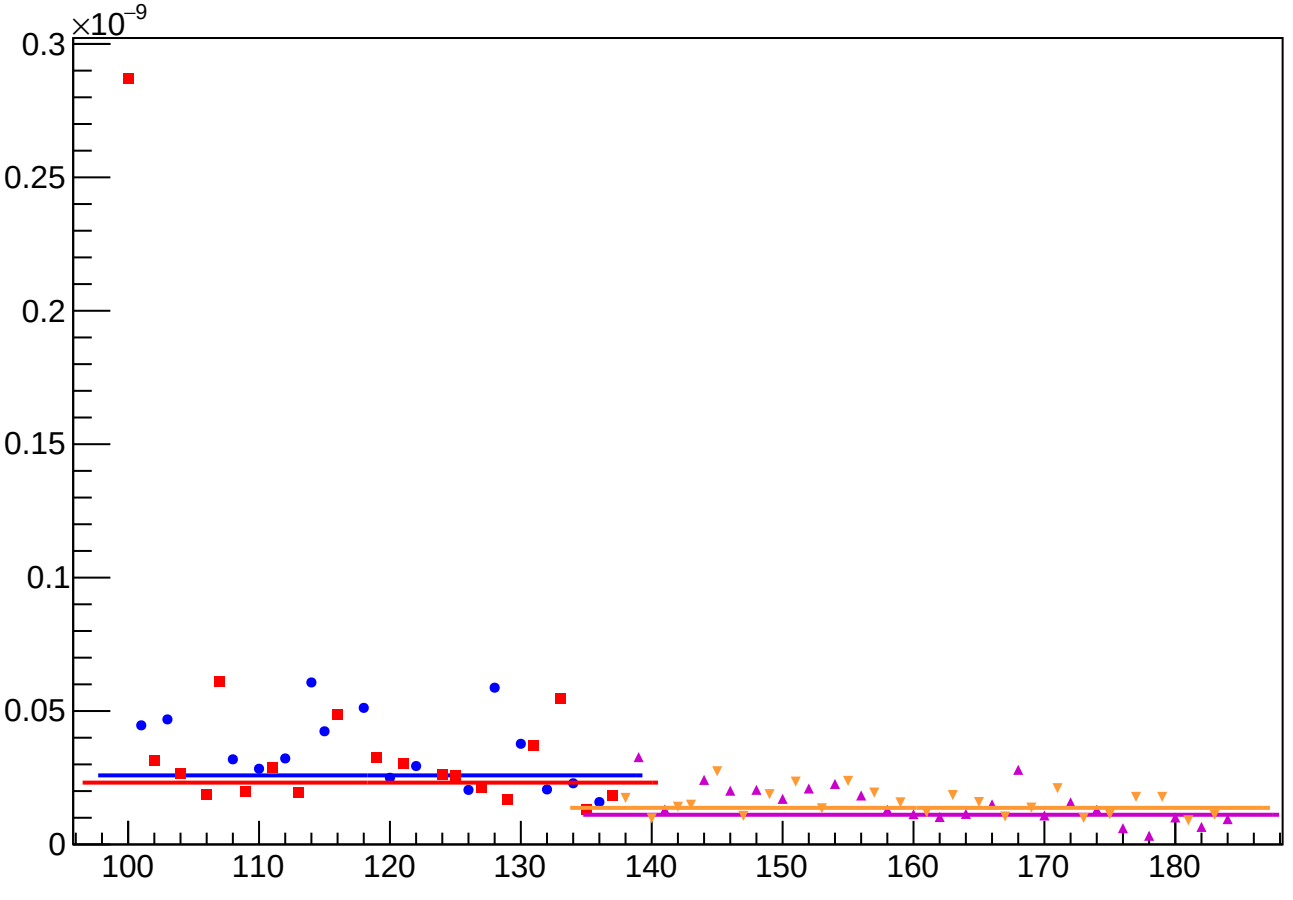
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 23.5/39

All: 0.000+/-0.000 χ^2/NDF: 77.8/81

- sign 0.000+/-0.000 χ^2/NDF: 54.1/41



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

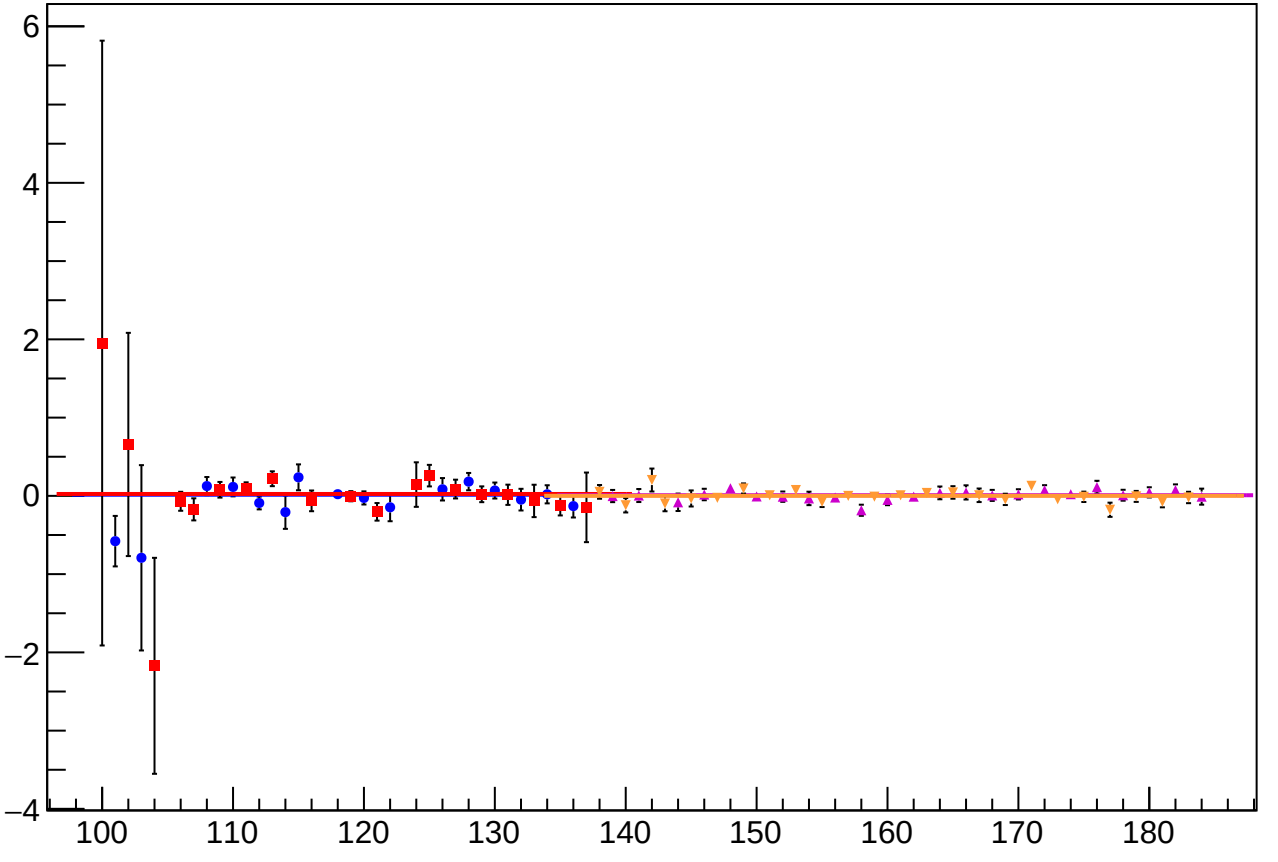
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3017894.4/39

All: 0.000+/-0.000 χ^2/NDF: 8221003.5/81

- sign 0.000+/-0.000 χ^2/NDF: 4926123.1/41

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

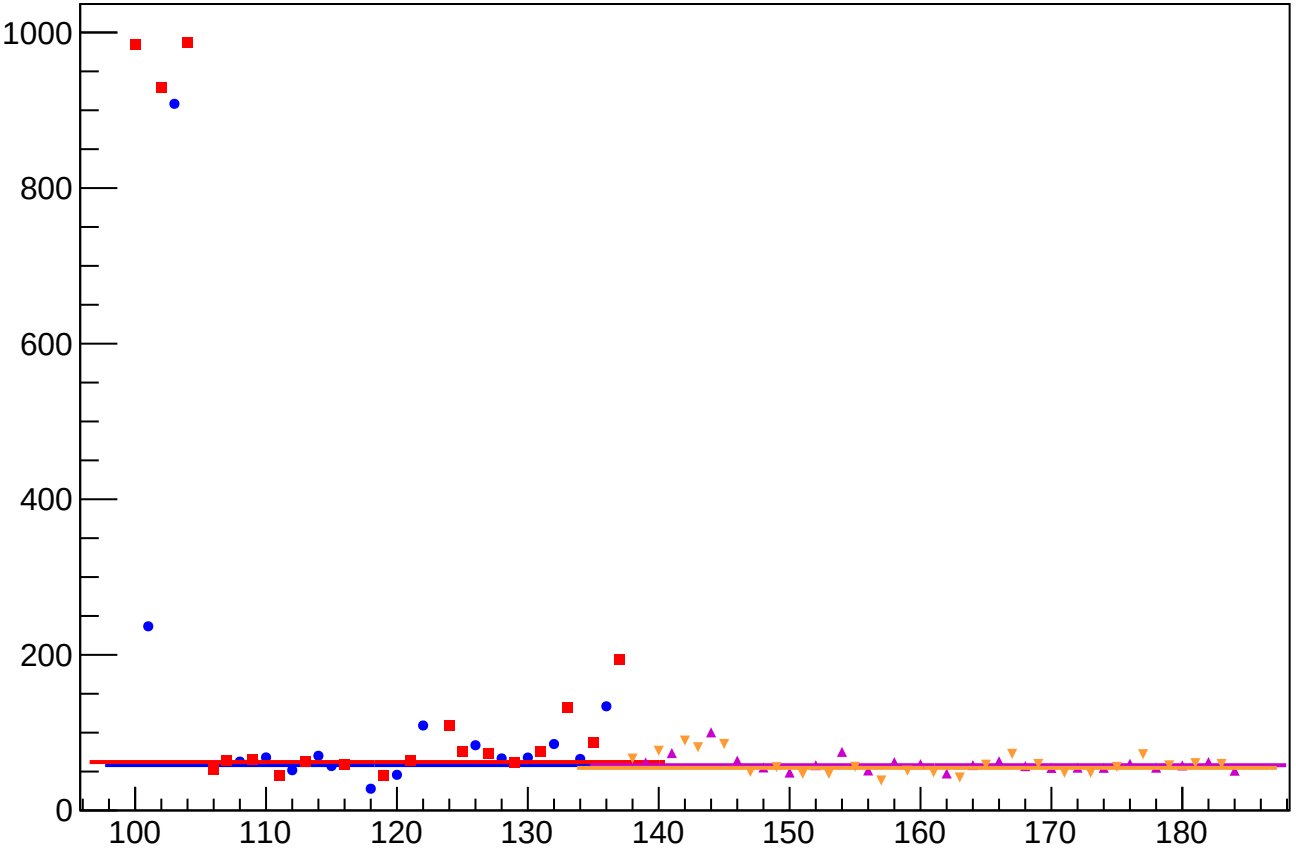
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.004+/-0.013 χ^2/NDF: 36.9/39

All: 0.007+/-0.009 χ^2/NDF: 73.7/81

- sign 0.012+/-0.013 χ^2/NDF: 36.6/41

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

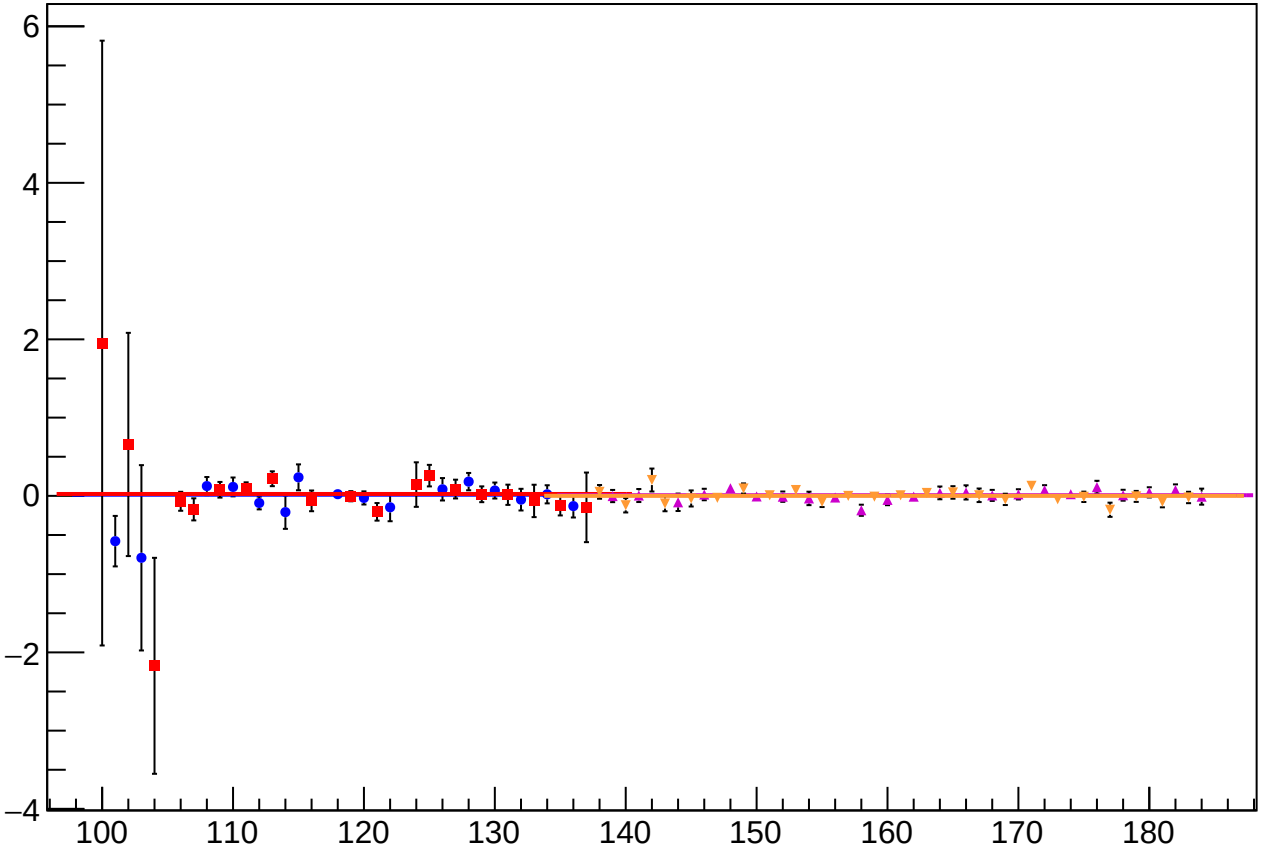
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

\+ sign 55.452+/-0.009 χ^2/NDF: 4493680.5/39

All: 57.172+/-0.006 χ^2/NDF: 7889156.6/81

\- sign 59.035+/-0.009 χ^2/NDF: 3317854.9/41

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

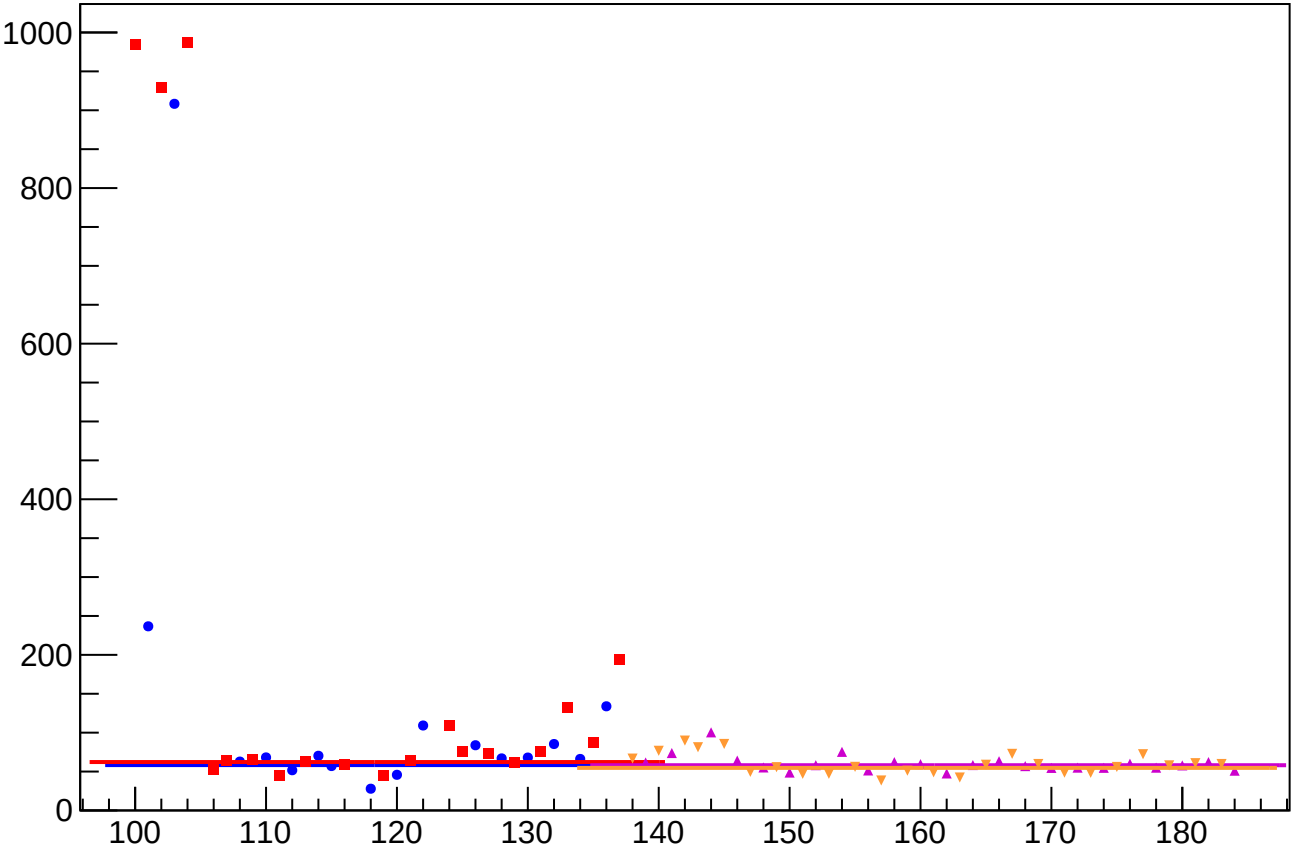
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.004+/-0.013 χ^2/NDF: 36.9/39

All: 0.007+/-0.009 χ^2/NDF: 73.7/81

\- sign 0.012+/-0.013 χ^2/NDF: 36.6/41

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

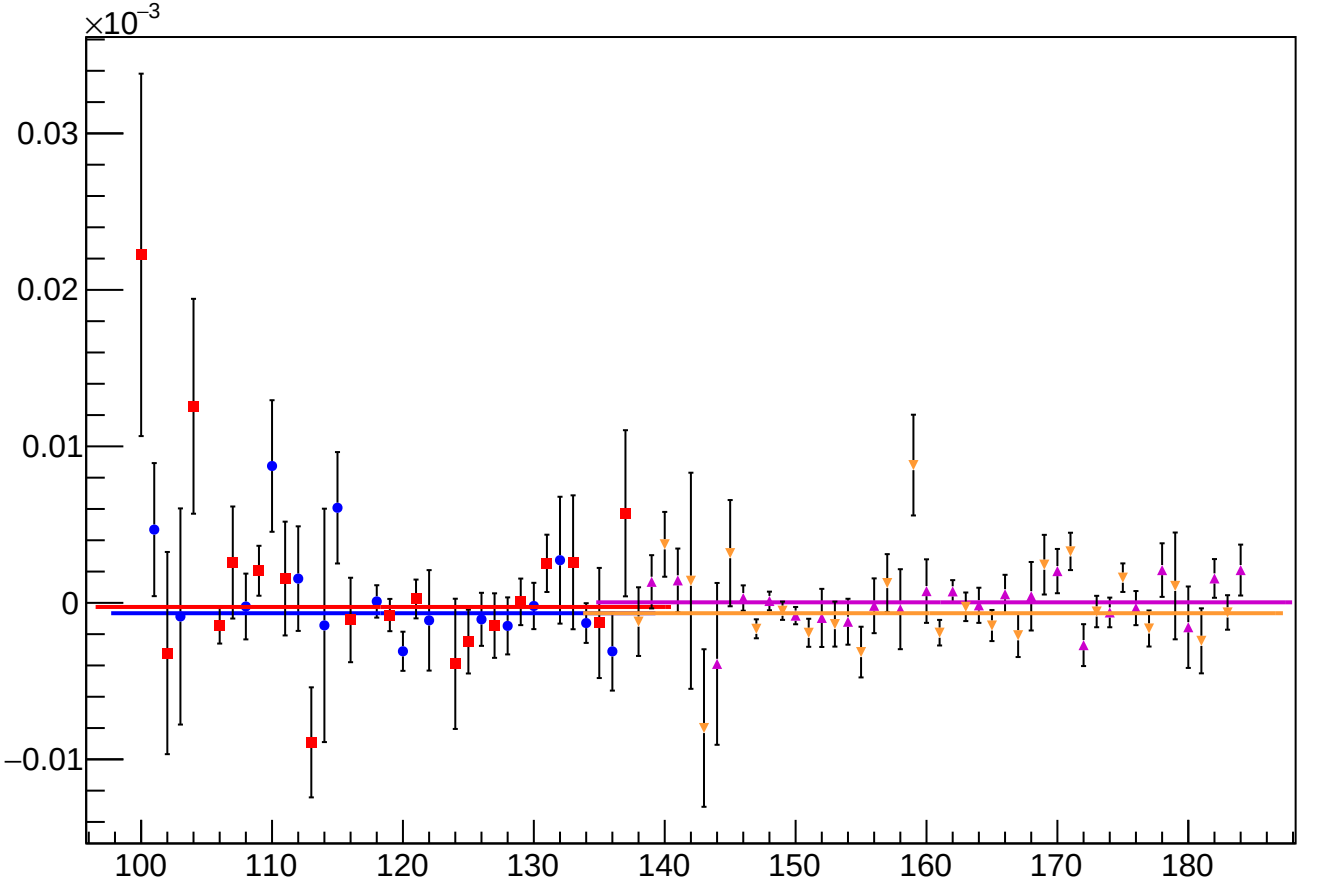
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.452+/-0.009 χ^2/NDF: 4493680.5/39

All: 57.172+/-0.006 χ^2/NDF: 7889156.6/81

- sign 59.035+/-0.009 χ^2/NDF: 3317854.9/41

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

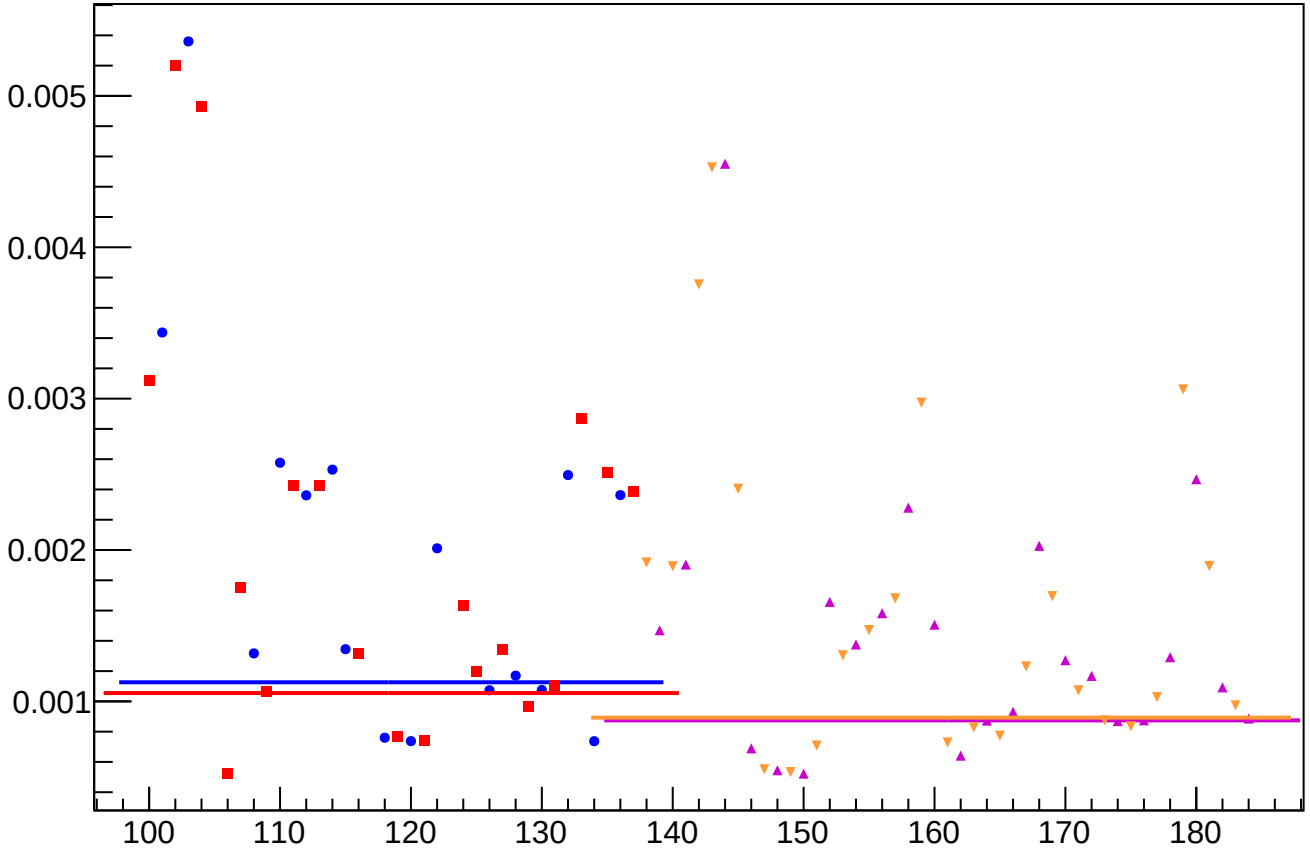
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.0/39

All: -0.000+/-0.000 χ^2/NDF: 115.6/81

- sign -0.000+/-0.000 χ^2/NDF: 43.1/41

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

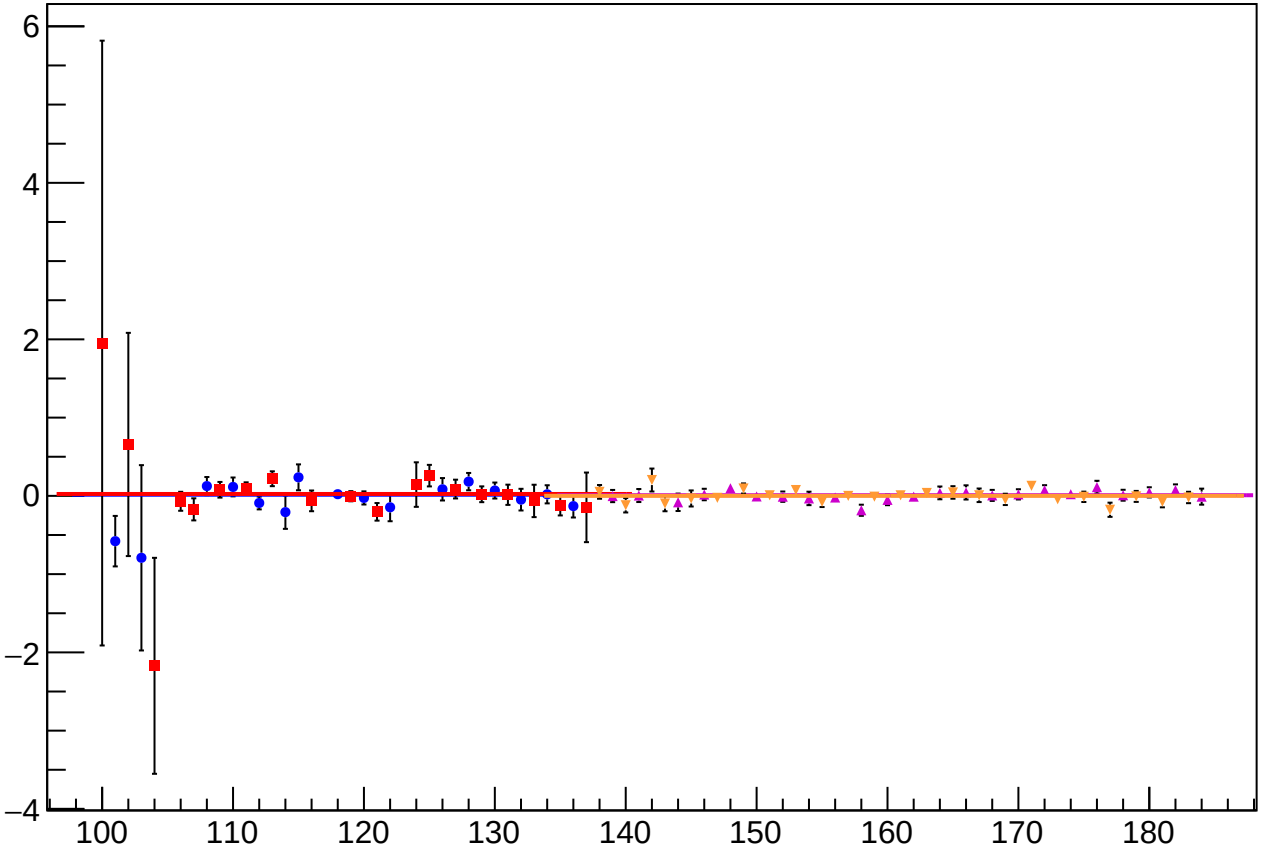
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 11561633.9/39

All: 0.001+/-0.000 χ^2/NDF: 22627126.3/81

- sign 0.001+/-0.000 χ^2/NDF: 11051845.9/41

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

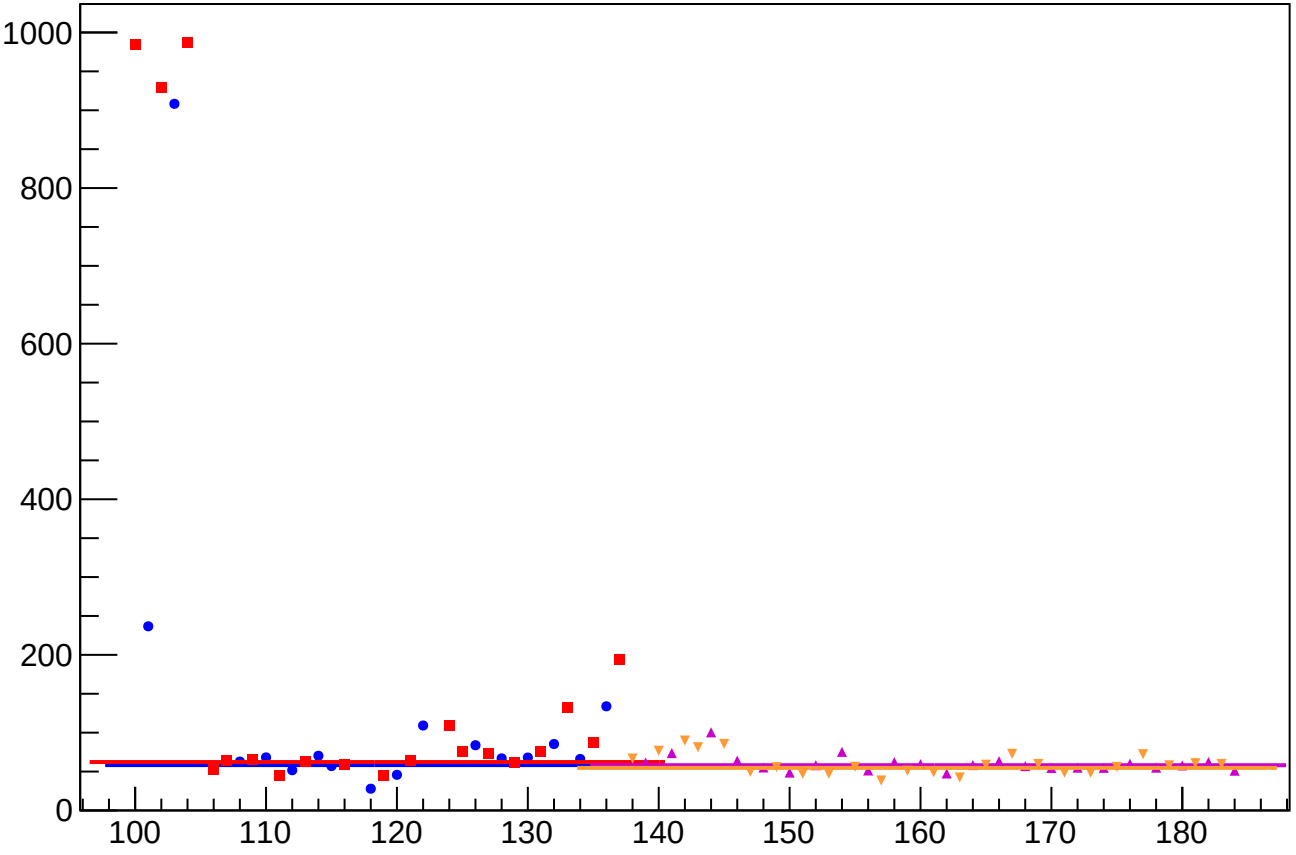
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.004+/-0.013 χ^2/NDF: 36.9/39

All: 0.007+/-0.009 χ^2/NDF: 73.7/81

\- sign 0.012+/-0.013 χ^2/NDF: 36.6/41

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

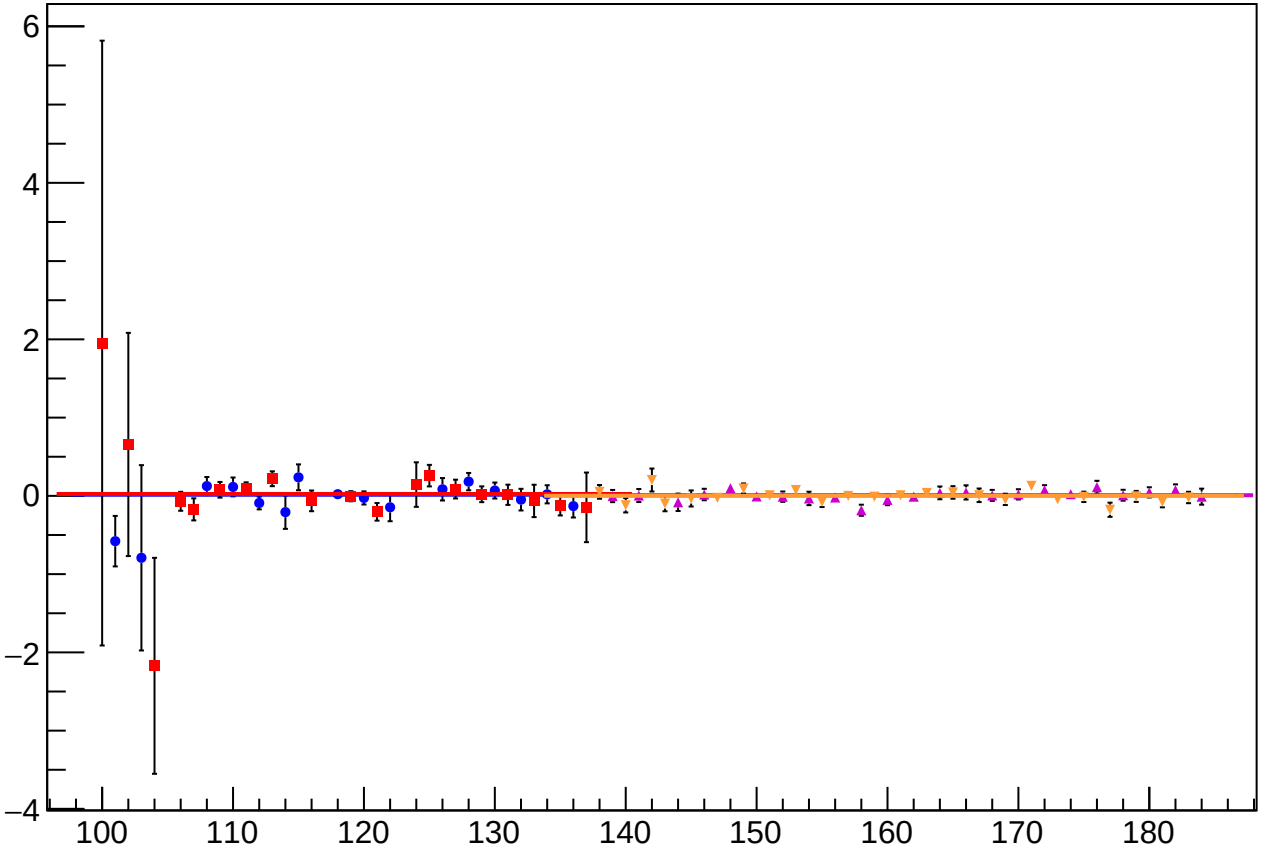
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.452+/-0.009 χ^2/NDF: 4493829.2/39

All: 57.172+/-0.006 χ^2/NDF: 7889339.7/81

- sign 59.035+/-0.009 χ^2/NDF: 3317867.3/41

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

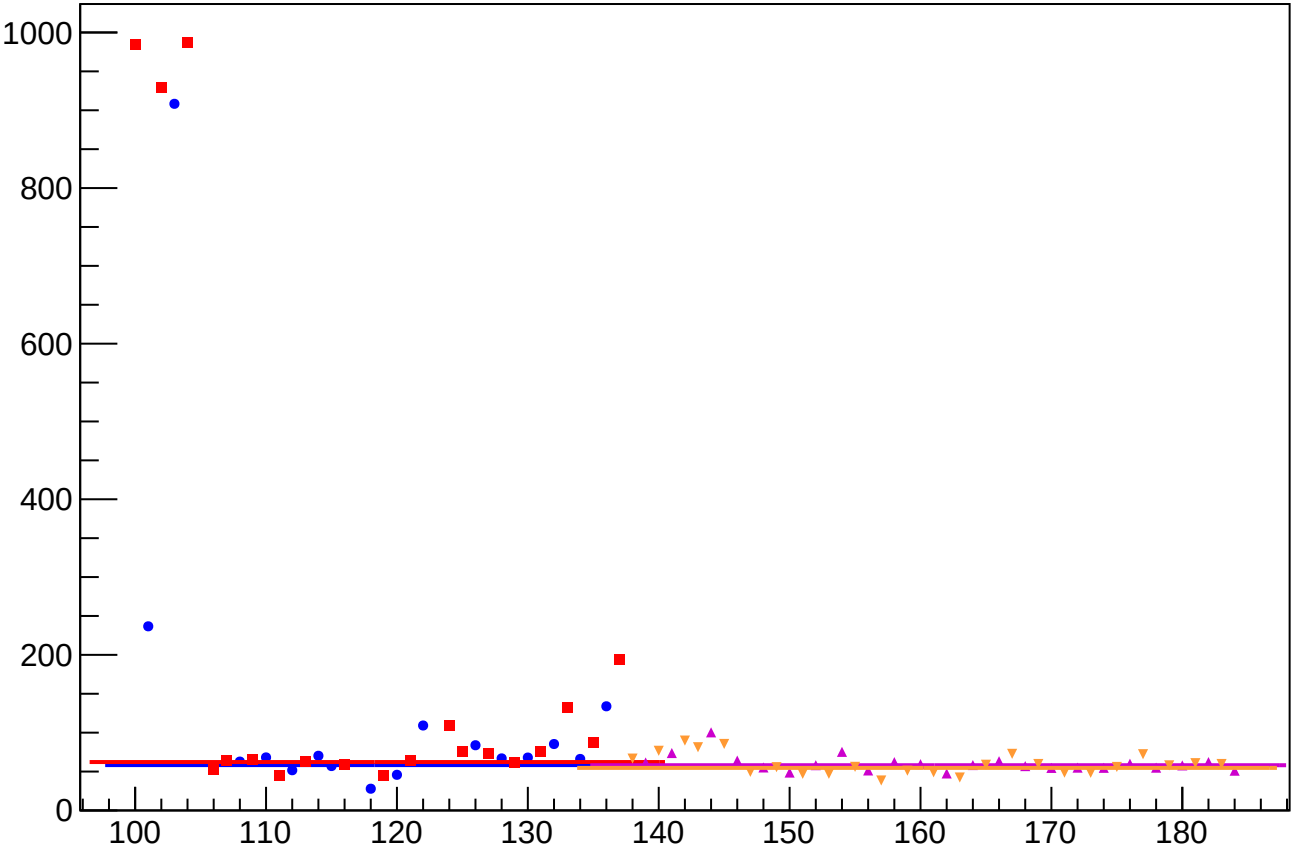
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.004+/-0.013 χ^2/NDF: 36.9/39

All: 0.007+/-0.009 χ^2/NDF: 73.7/81

- sign 0.012+/-0.013 χ^2/NDF: 36.6/41

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

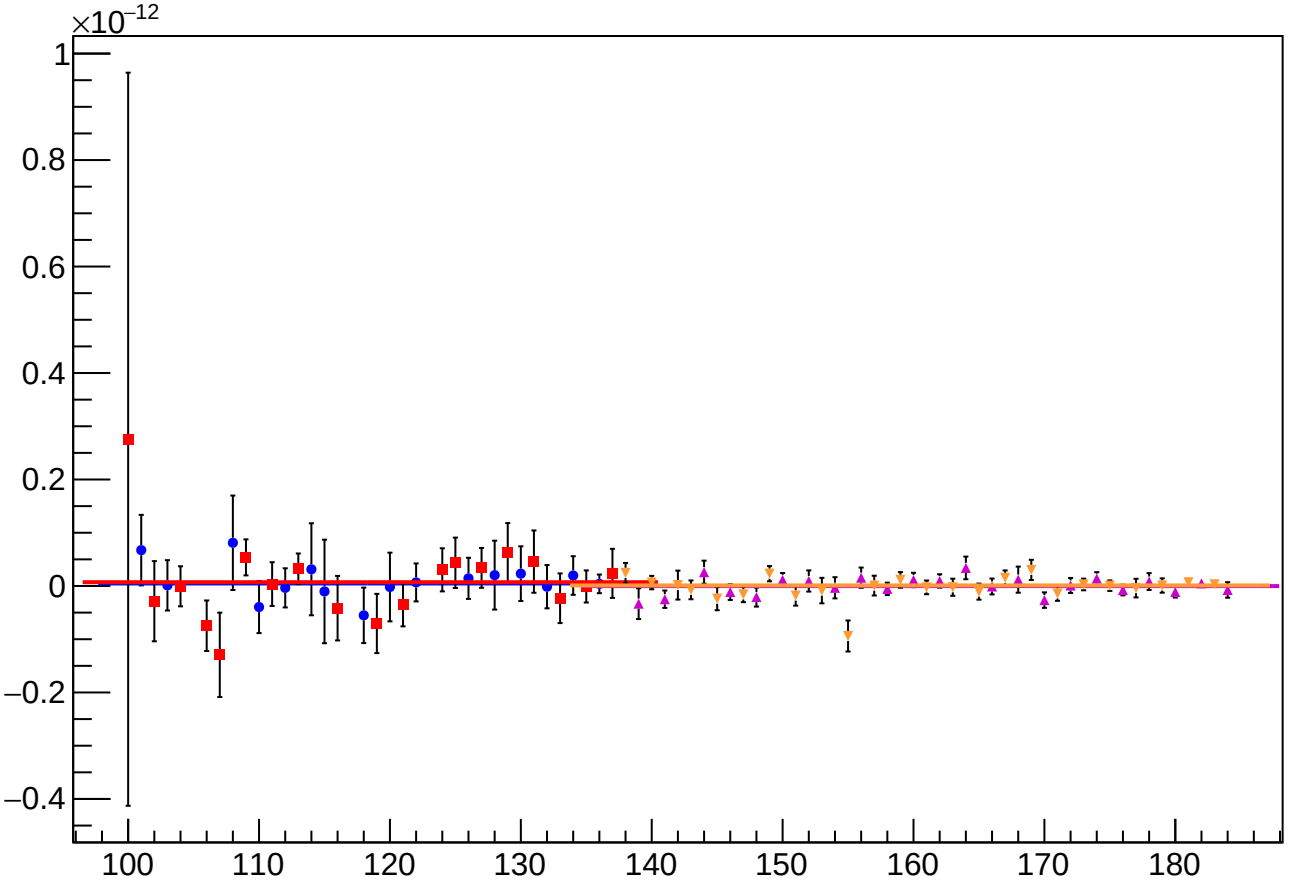
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.452+/-0.009 χ^2/NDF: 4493829.2/39

All: 57.172+/-0.006 χ^2/NDF: 7889339.7/81

- sign 59.035+/-0.009 χ^2/NDF: 3317867.3/41

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

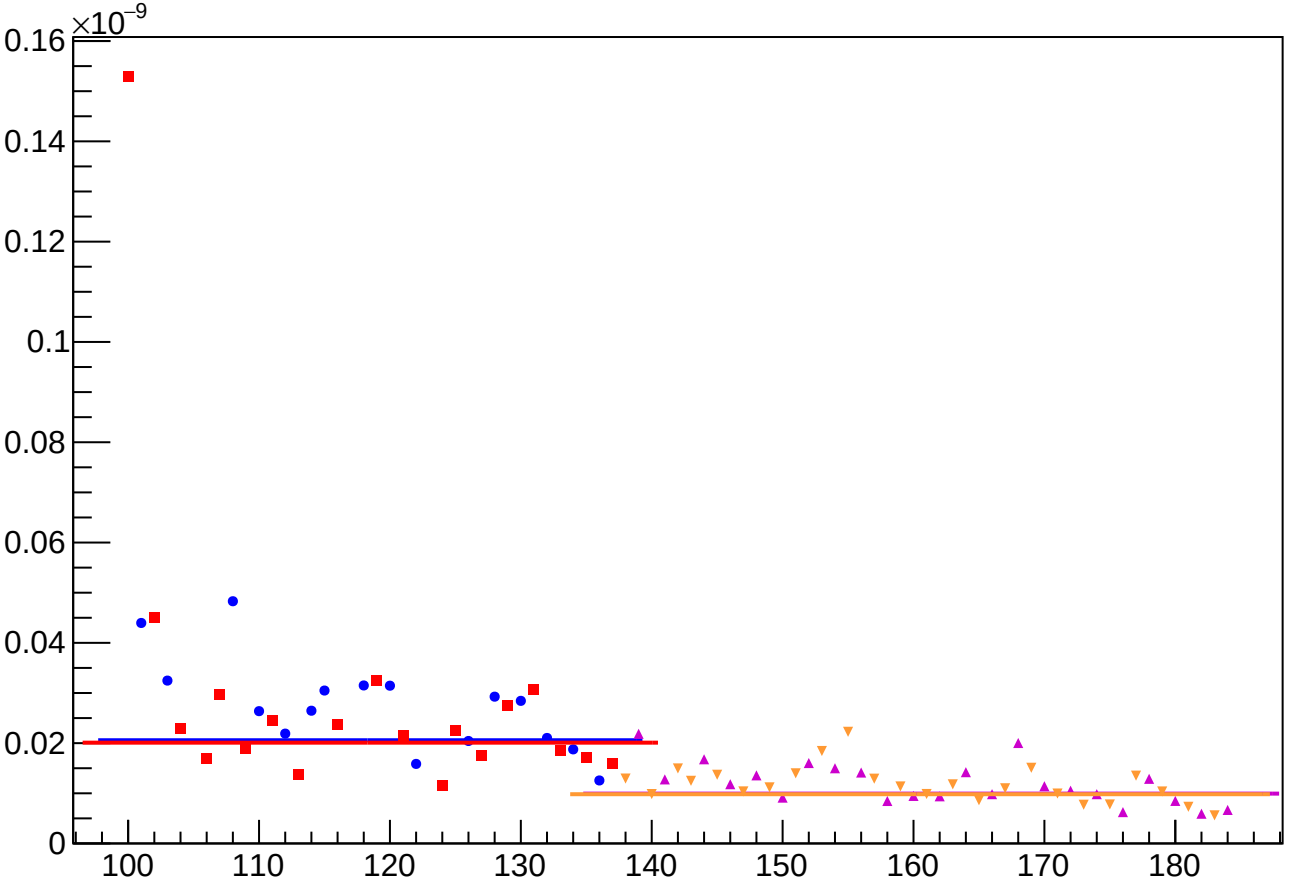
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/39

All: 0.000+/-0.000 χ^2/NDF: 66.6/81

- sign 0.000+/-0.000 χ^2/NDF: 36.9/41

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2267256.1/23

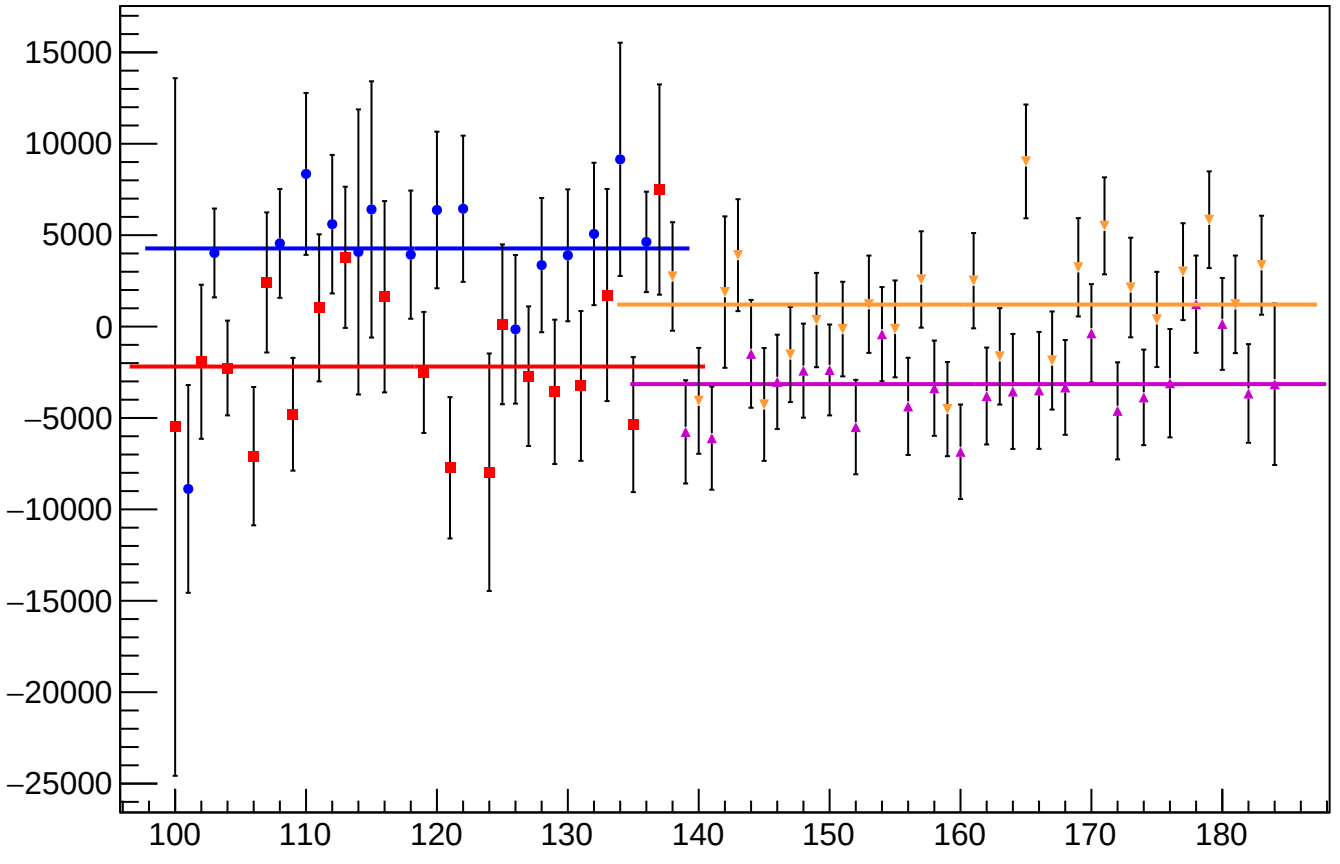
Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5630249.7/39

All: 0.000+/-0.000 χ^2/NDF: 10876987.2/81

- sign 0.000+/-0.000 χ^2/NDF: 5244420.0/41



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

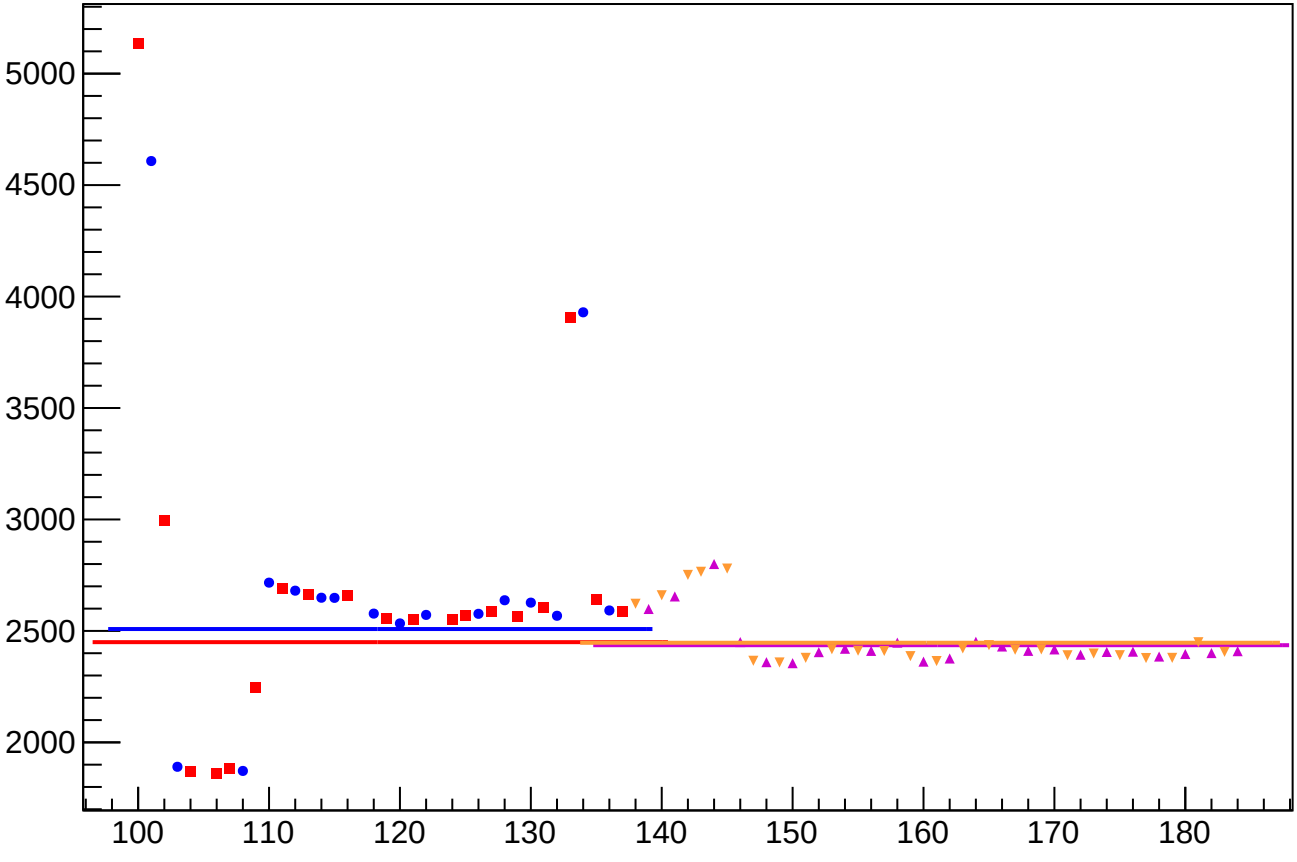
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1994.641+/-482.850 χ^2/NDF: 47.7/39

All: -436.141+/-341.961 χ^2/NDF: 126.8/81

- sign -2882.215+/-484.366 χ^2/NDF: 28.3/41

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

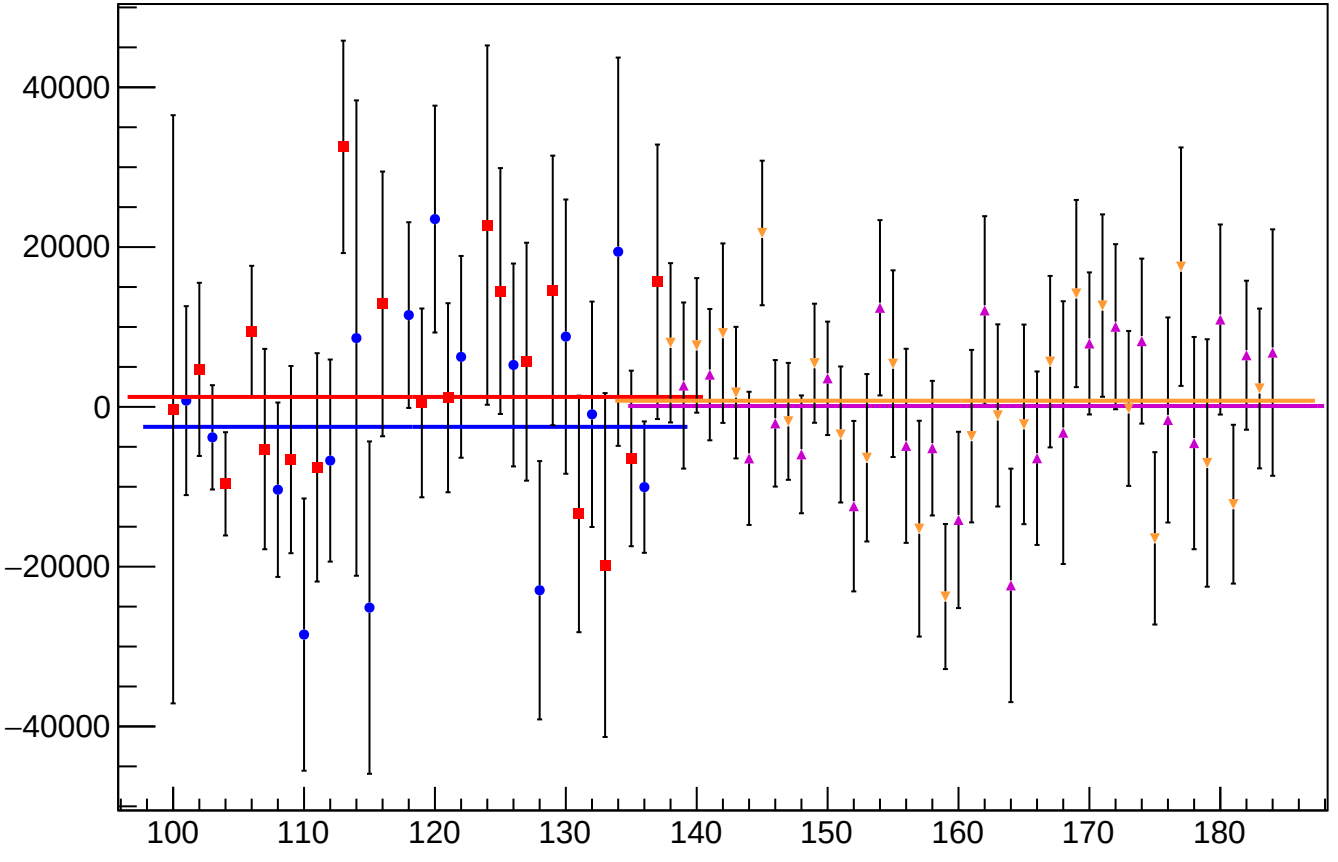
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2462.790+/-0.341 χ^2/NDF: 707223.8/39

All: 2451.292+/-0.242 χ^2/NDF: 1205908.1/81

- sign 2439.723+/-0.342 χ^2/NDF: 496409.3/41

asym_atr2_reg_correction_mean vs Slug



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

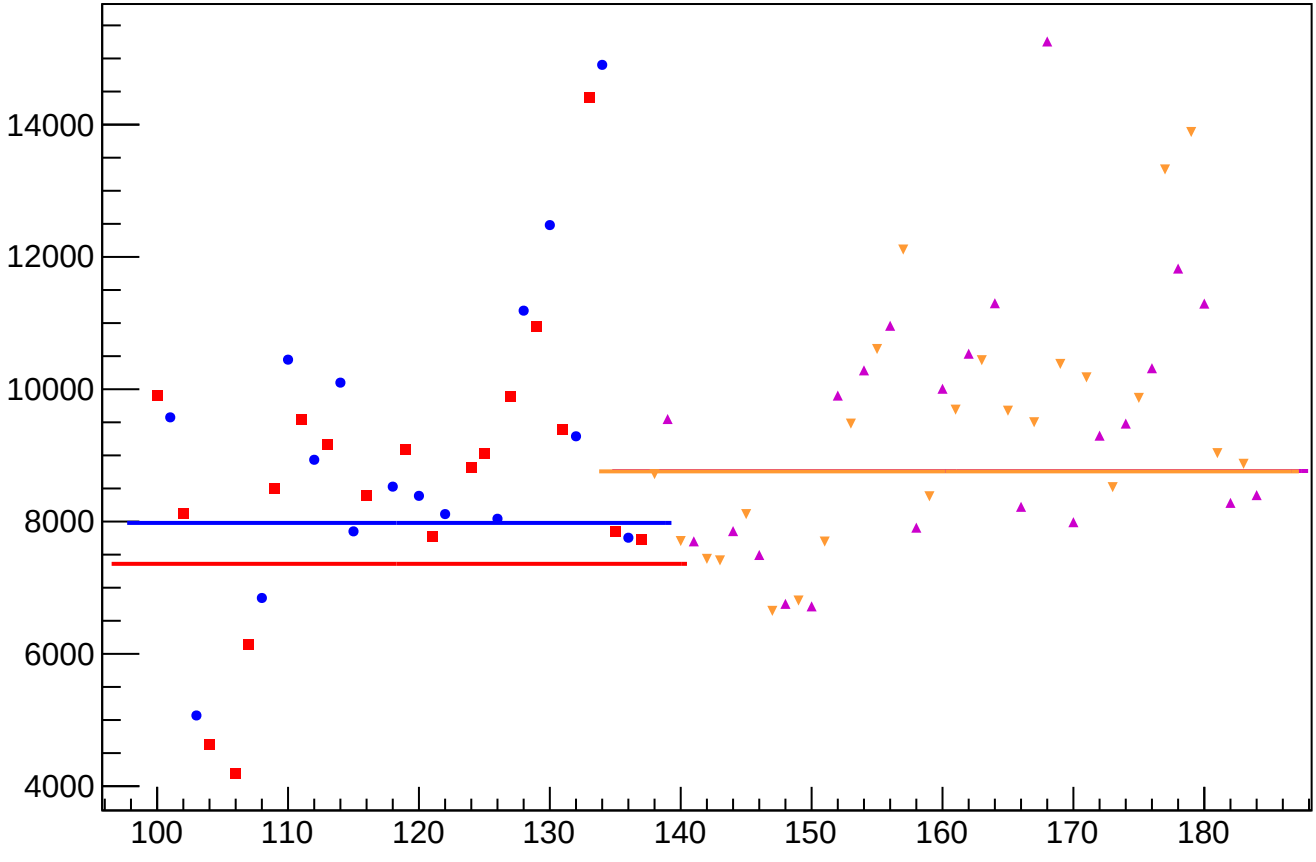
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

\+ sign -236.653+/-1705.867 χ^2/NDF: 40.5/39

All: 137.483+/-1199.297 χ^2/NDF: 71.7/81

\- sign 503.139+/-1686.424 χ^2/NDF: 31.2/41

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

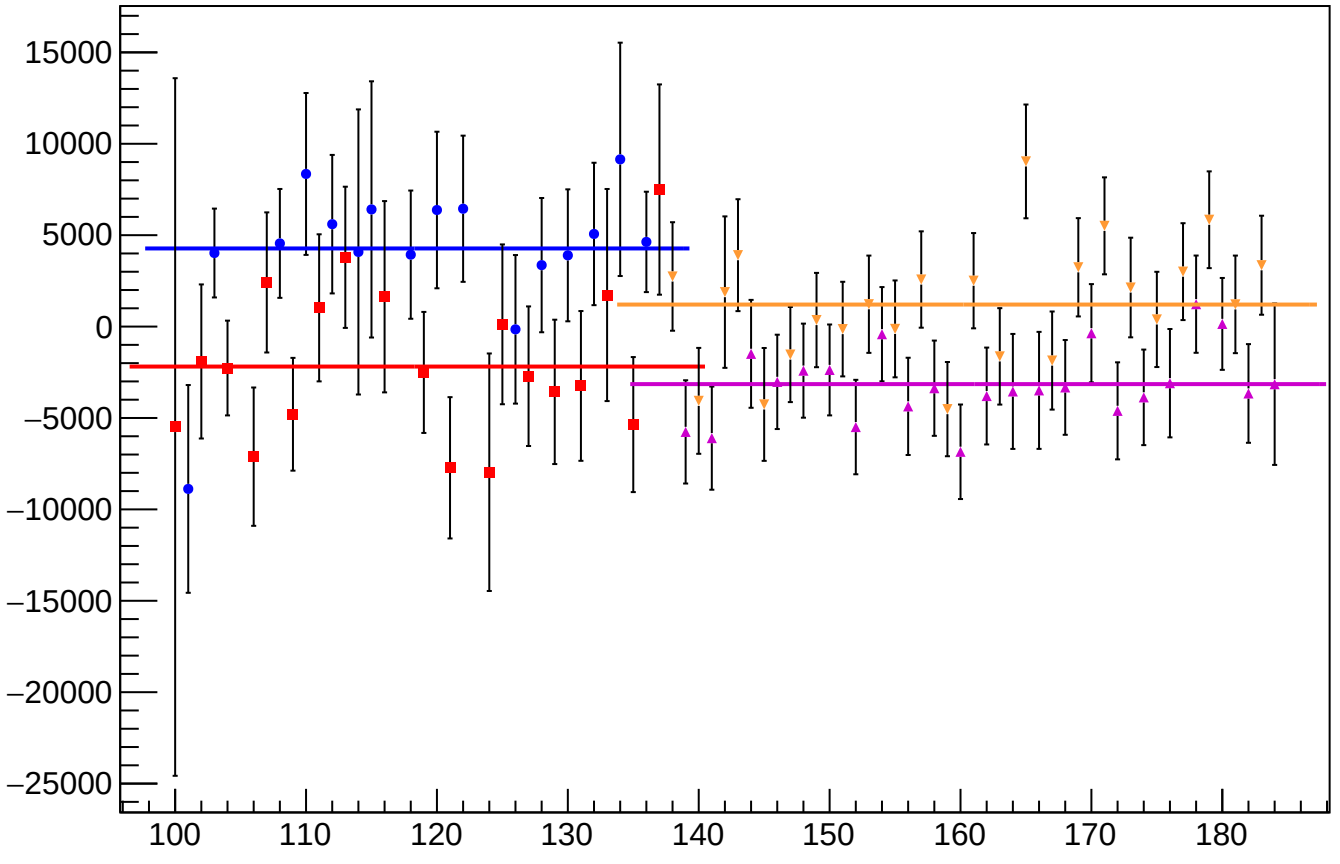
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8518.953+/-1.206 χ^2/NDF: 2234161.0/39

All: 8394.918+/-0.848 χ^2/NDF: 5147648.7/81

- sign 8273.693+/-1.192 χ^2/NDF: 2892579.7/41



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

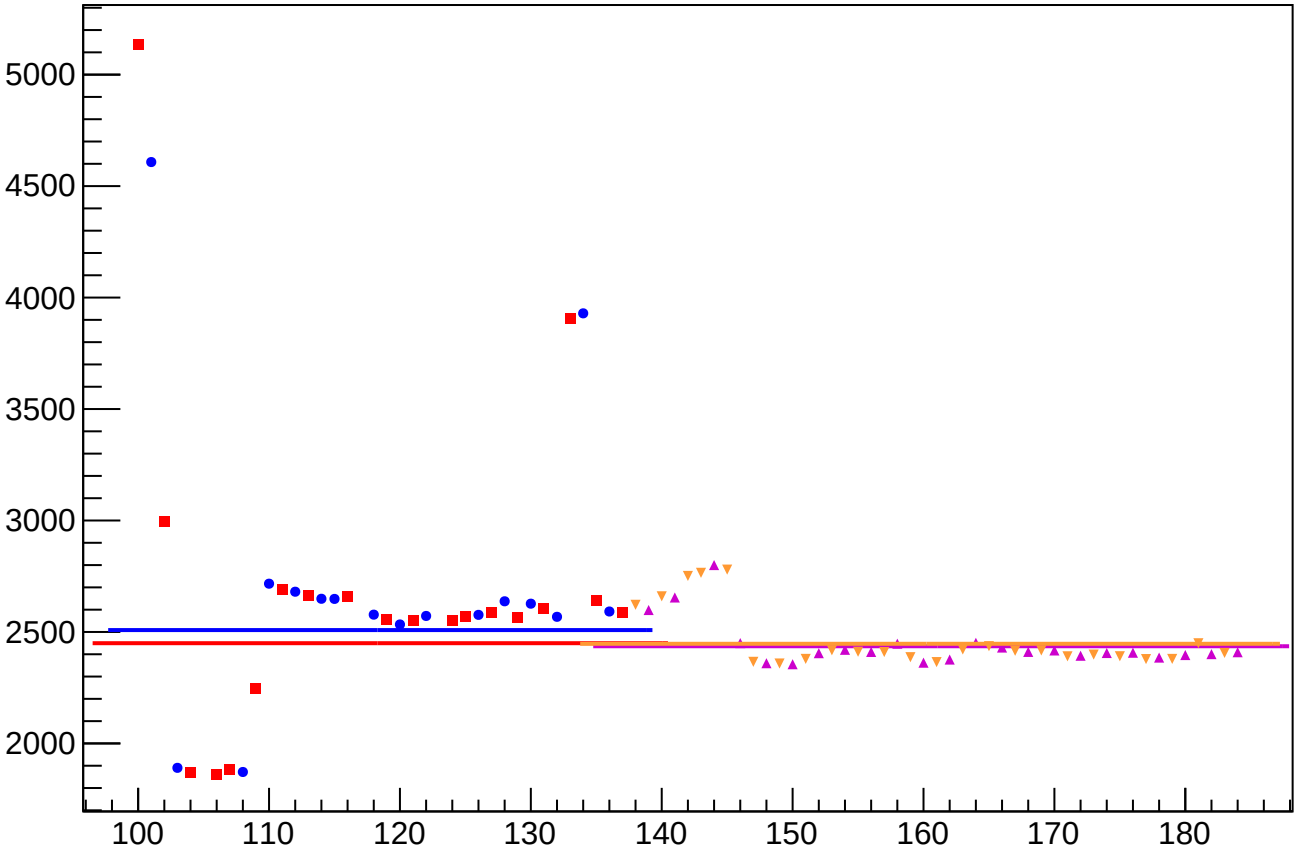
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1994.391+/-482.850 χ^2/NDF: 47.7/39

All: -436.277+/-341.961 χ^2/NDF: 126.8/81

- sign -2882.247+/-484.367 χ^2/NDF: 28.3/41

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

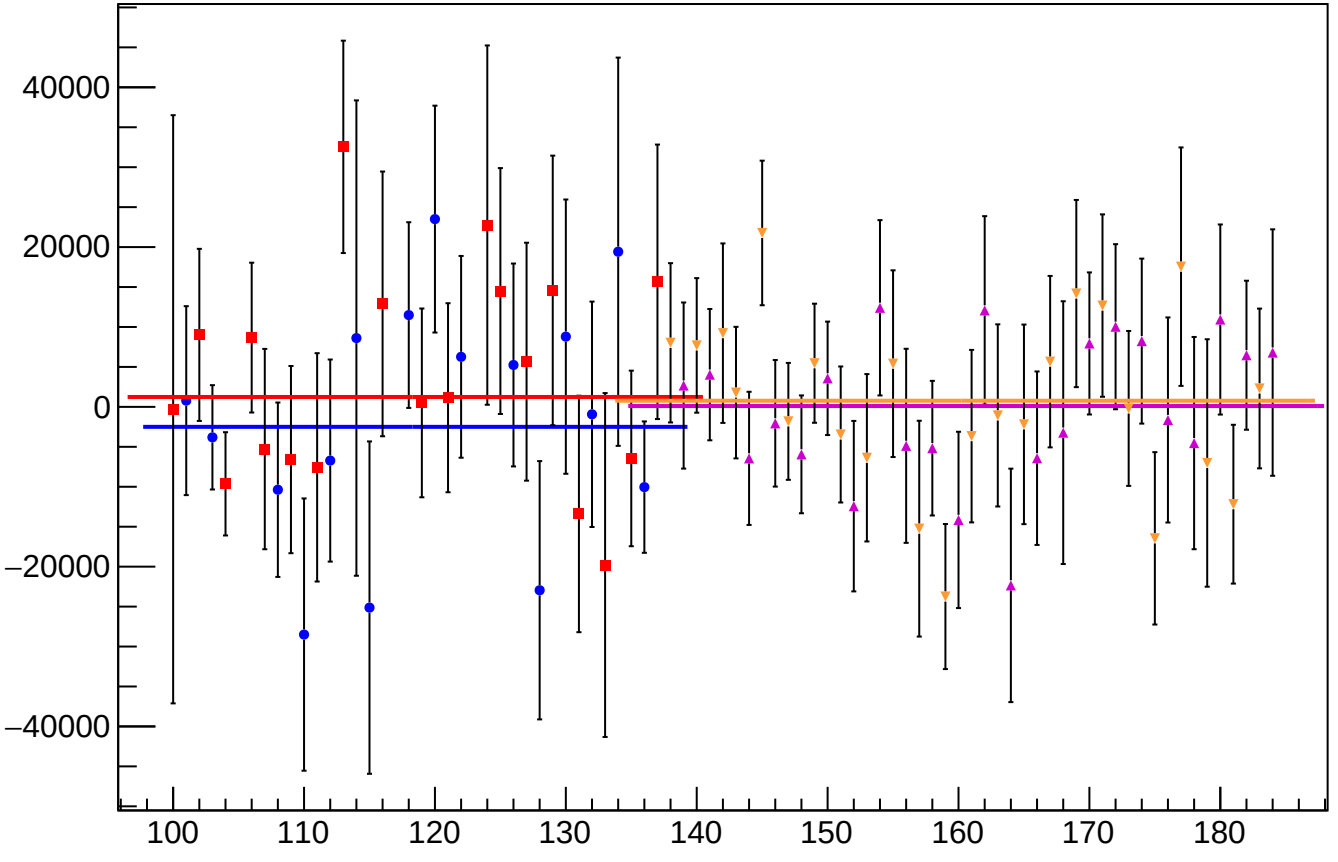
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2462.790+/-0.341 χ^2/NDF: 707221.7/39

All: 2451.296+/-0.242 χ^2/NDF: 1205851.5/81

- sign 2439.729+/-0.342 χ^2/NDF: 496356.0/41

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

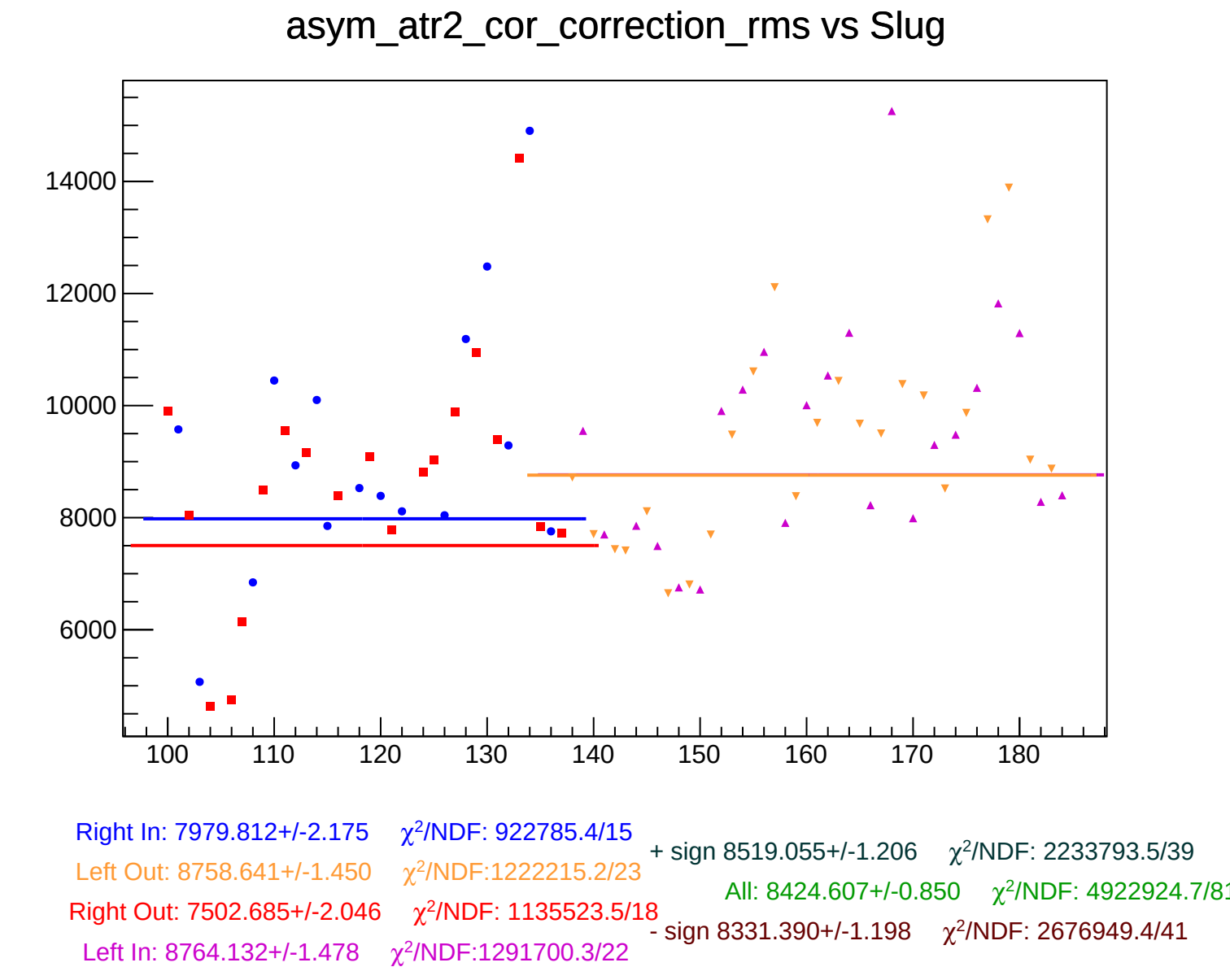
Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

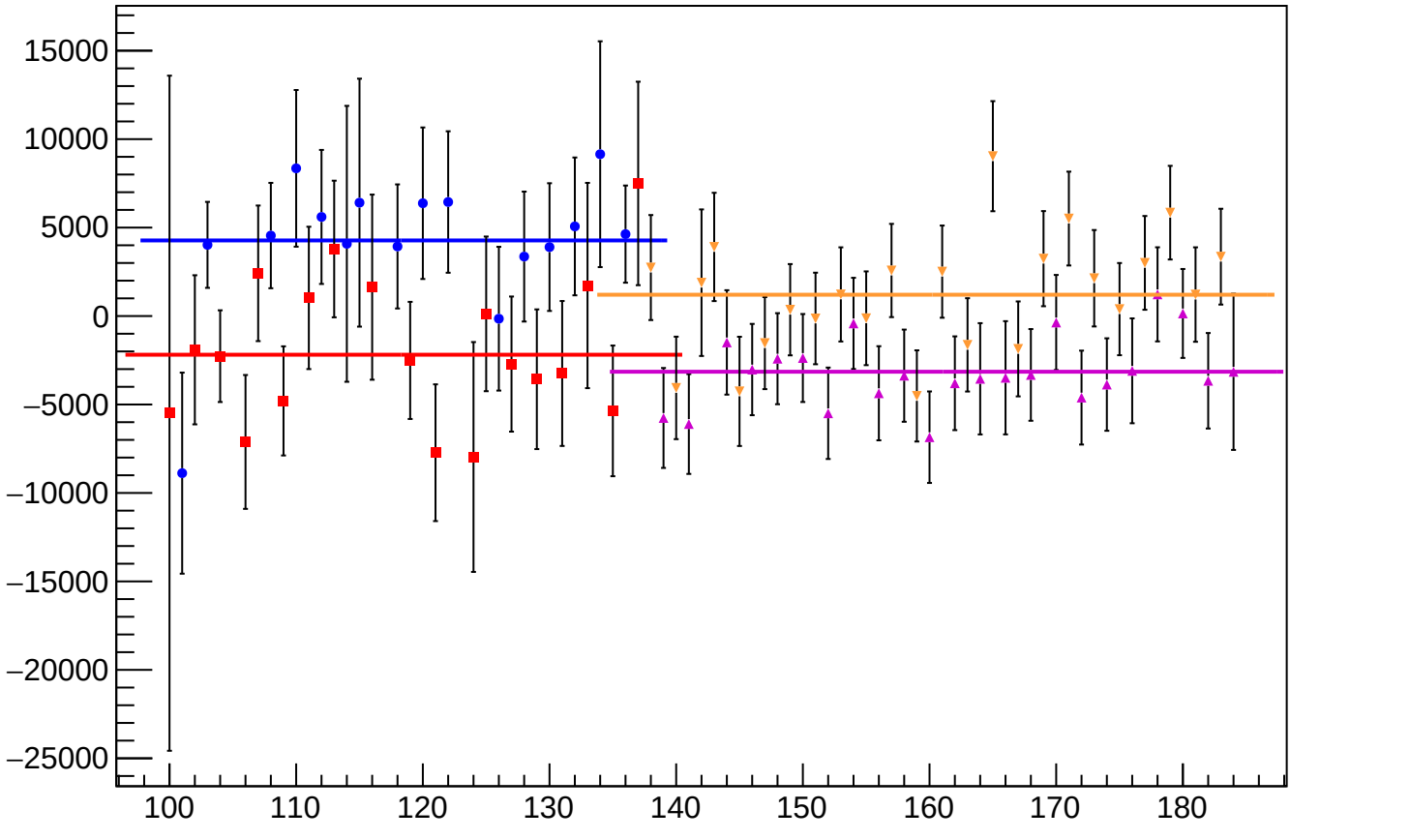
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -236.540+/-1705.880 χ^2/NDF: 40.5/39

All: 131.301+/-1202.275 χ^2/NDF: 71.8/81

- sign 494.345+/-1694.721 χ^2/NDF: 31.2/41


asym_atr2_cor_correction_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8758.641+/-1.450 χ²/NDF:1222215.2/23
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
+ sign 8519.055+/-1.206 χ²/NDF: 2233793.5/39
All: 8424.607+/-0.850 χ²/NDF: 4922924.7/81
- sign 8331.390+/-1.198 χ²/NDF: 2676949.4/41



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

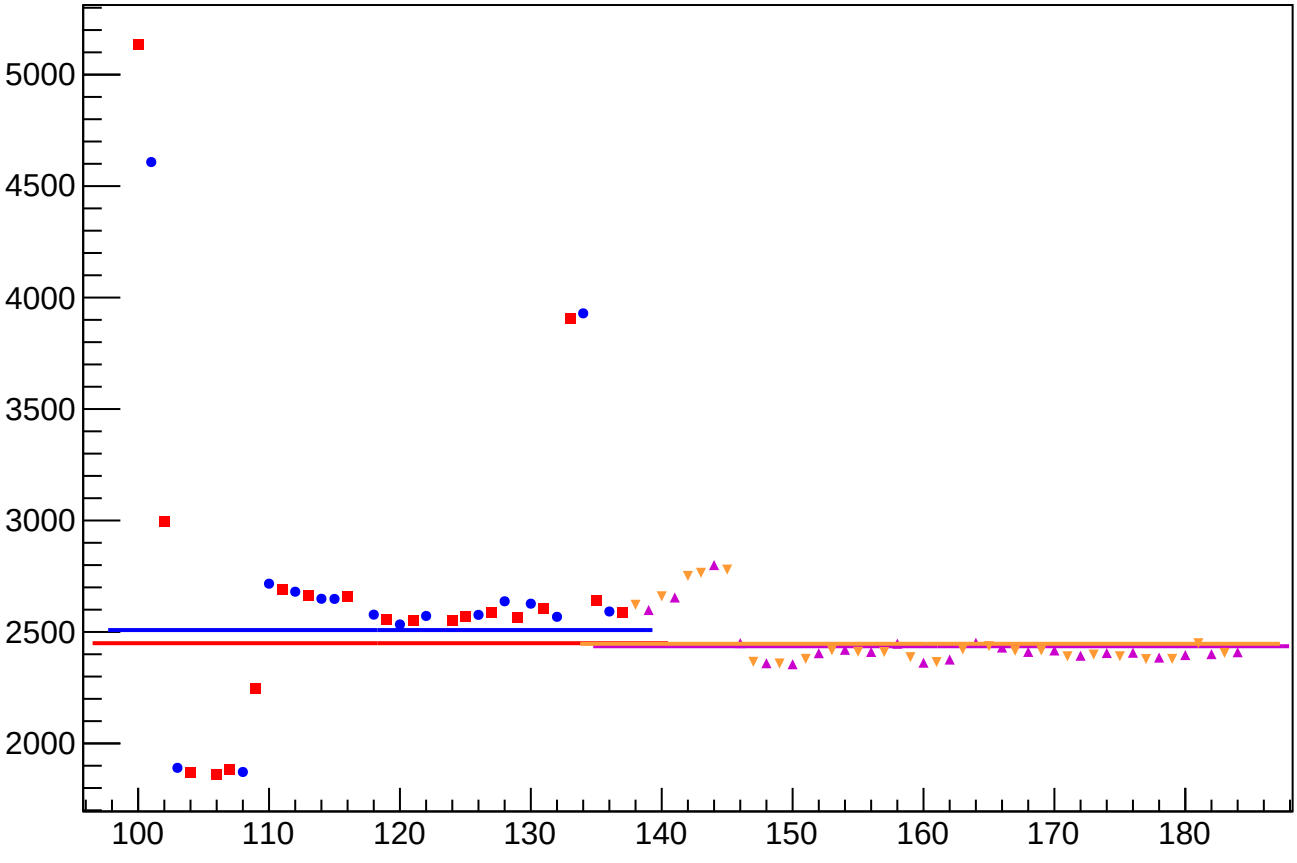
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1994.391+/-482.850 χ^2/NDF: 47.7/39

All: -436.277+/-341.961 χ^2/NDF: 126.8/81

- sign -2882.247+/-484.367 χ^2/NDF: 28.3/41

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

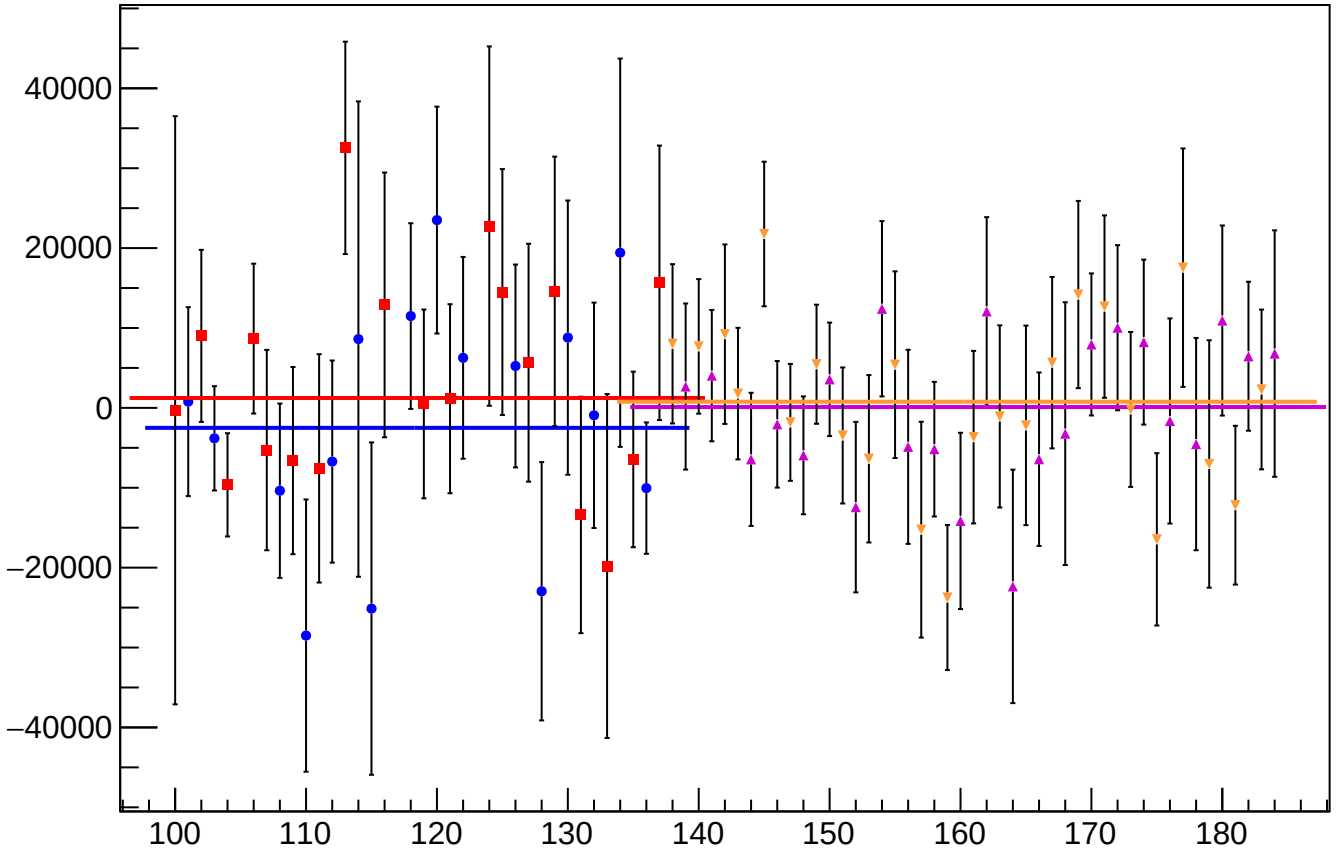
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2462.790+/-0.341 χ^2/NDF: 707221.7/39

All: 2451.296+/-0.242 χ^2/NDF: 1205851.5/81

- sign 2439.729+/-0.342 χ^2/NDF: 496356.0/41

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

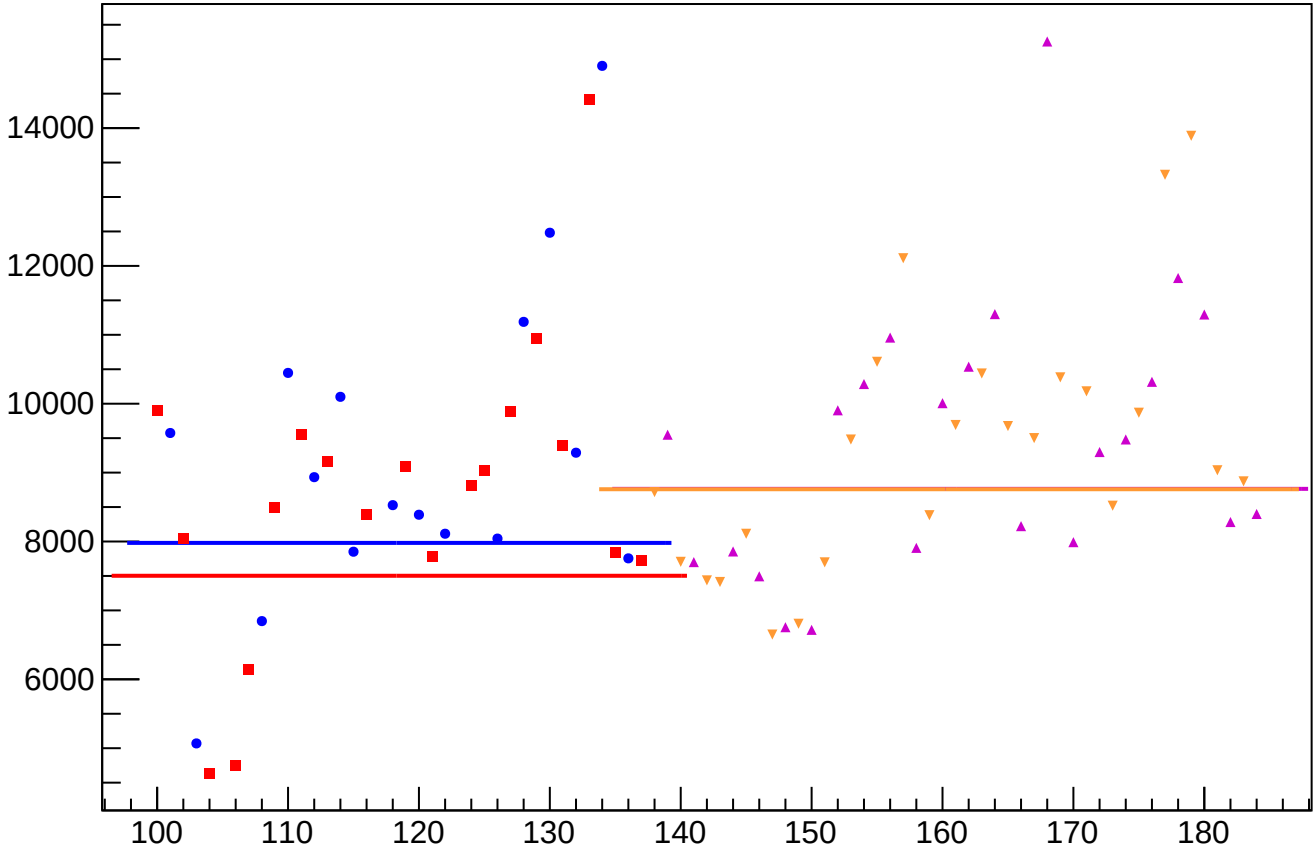
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -236.540+/-1705.880 χ^2/NDF: 40.5/39

All: 131.301+/-1202.275 χ^2/NDF: 71.8/81

- sign 494.345+/-1694.721 χ^2/NDF: 31.2/41

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

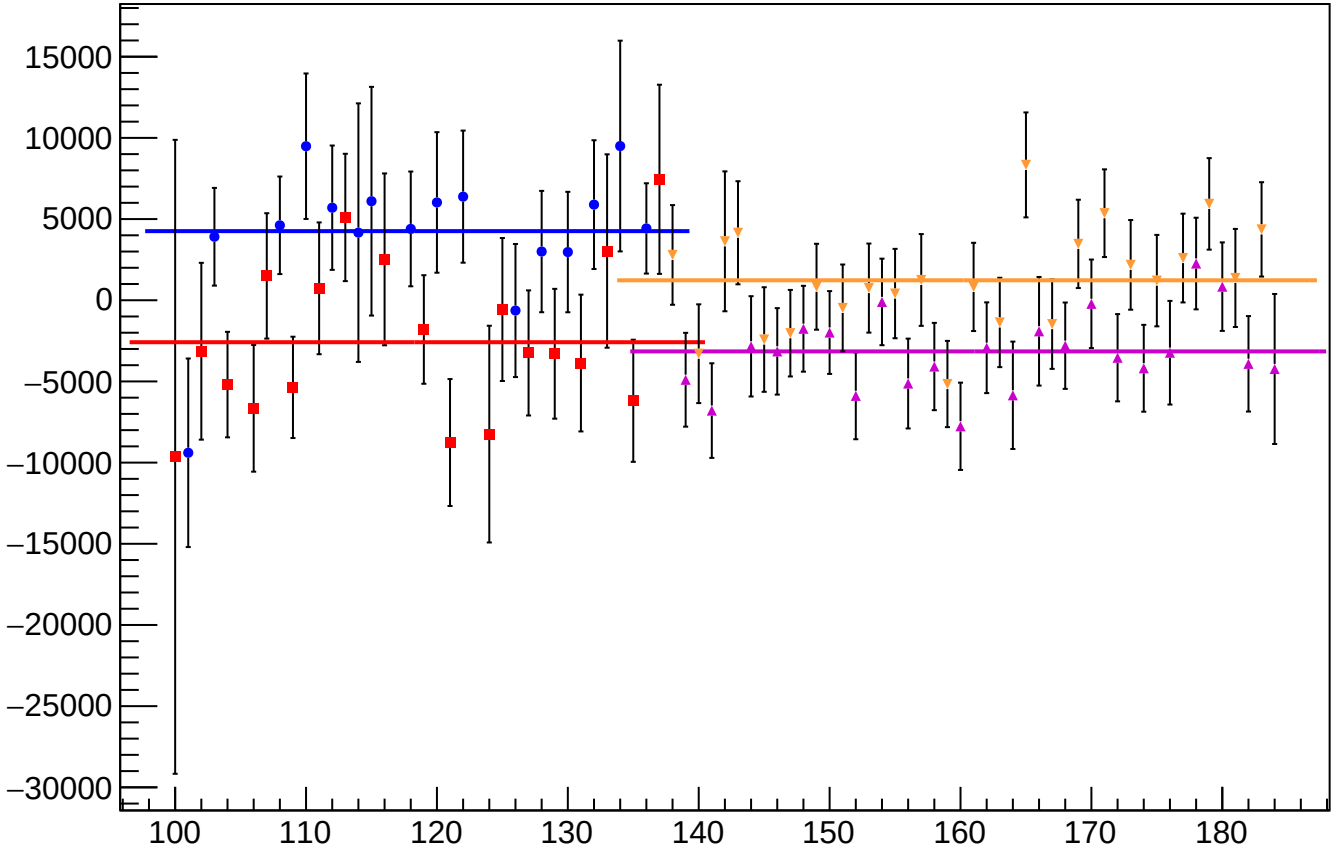
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8519.055+/-1.206 χ^2/NDF: 2233793.5/39

All: 8424.607+/-0.850 χ^2/NDF: 4922924.7/81

- sign 8331.390+/-1.198 χ^2/NDF: 2676949.4/41

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

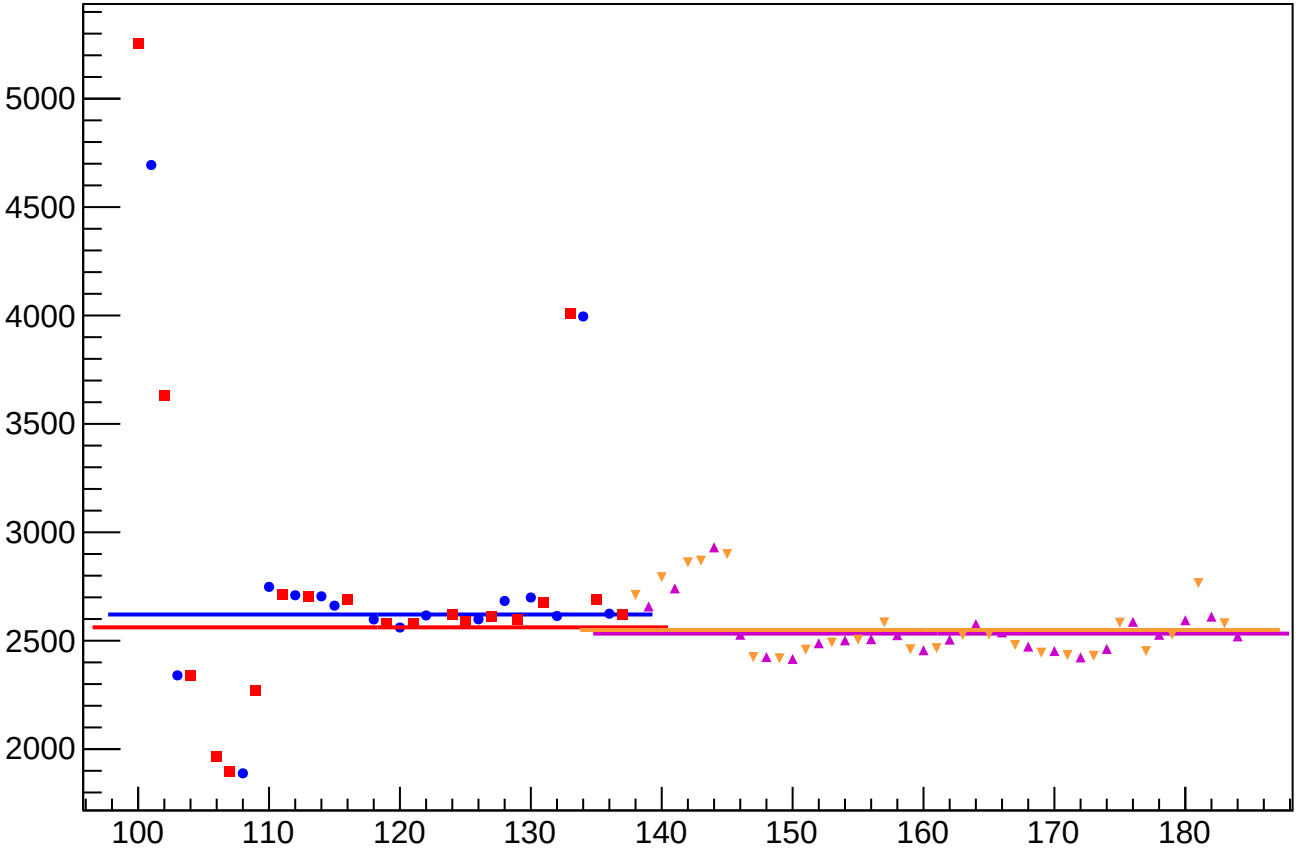
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2010.033+/-503.143 χ^2/NDF: 43.8/39

All: -484.492+/-356.372 χ^2/NDF: 127.4/81

- sign -2995.814+/-504.834 χ^2/NDF: 34.3/41

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

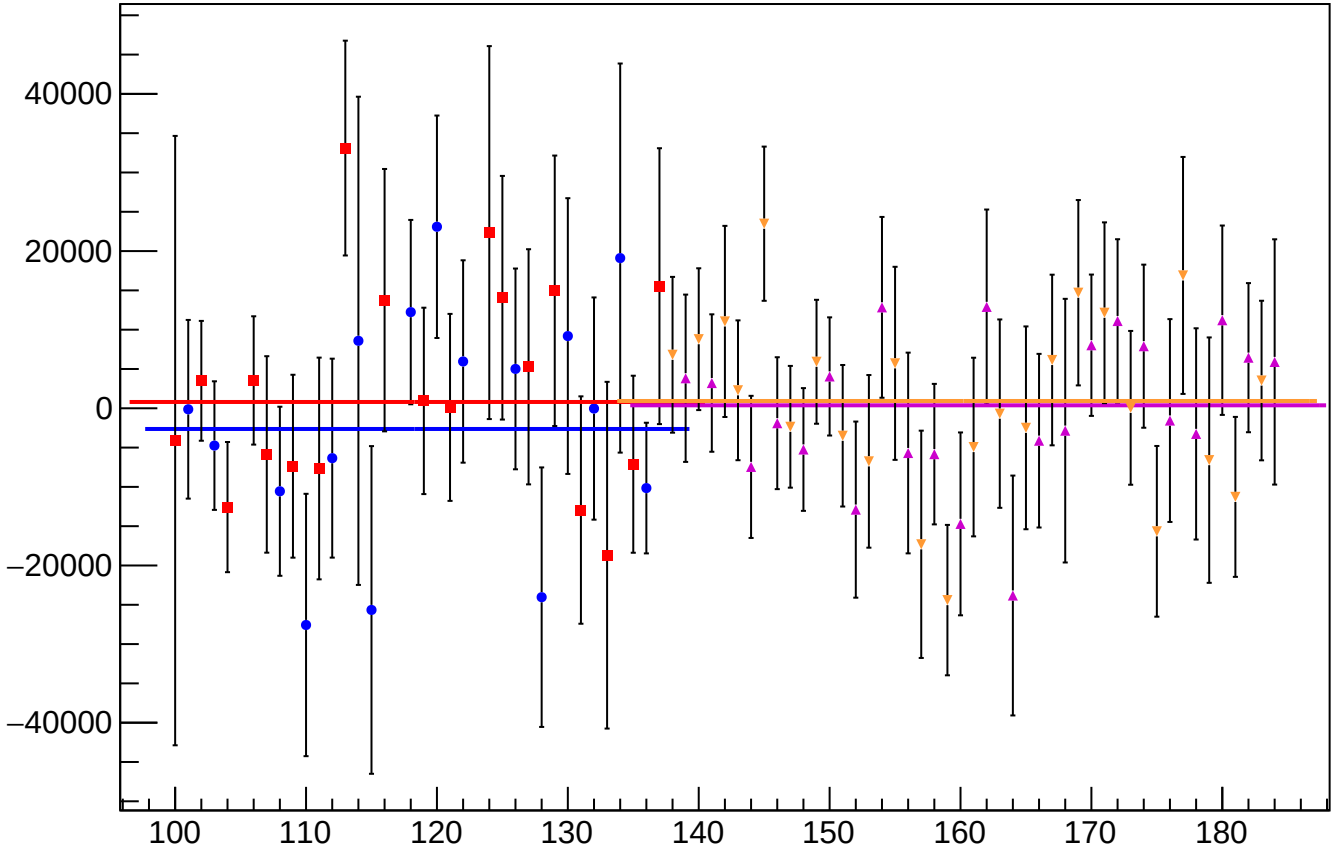
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2567.796+/-0.356 χ^2/NDF: 609173.0/39

All: 2554.283+/-0.252 χ^2/NDF: 1060074.3/81

- sign 2540.684+/-0.357 χ^2/NDF: 448006.9/41

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

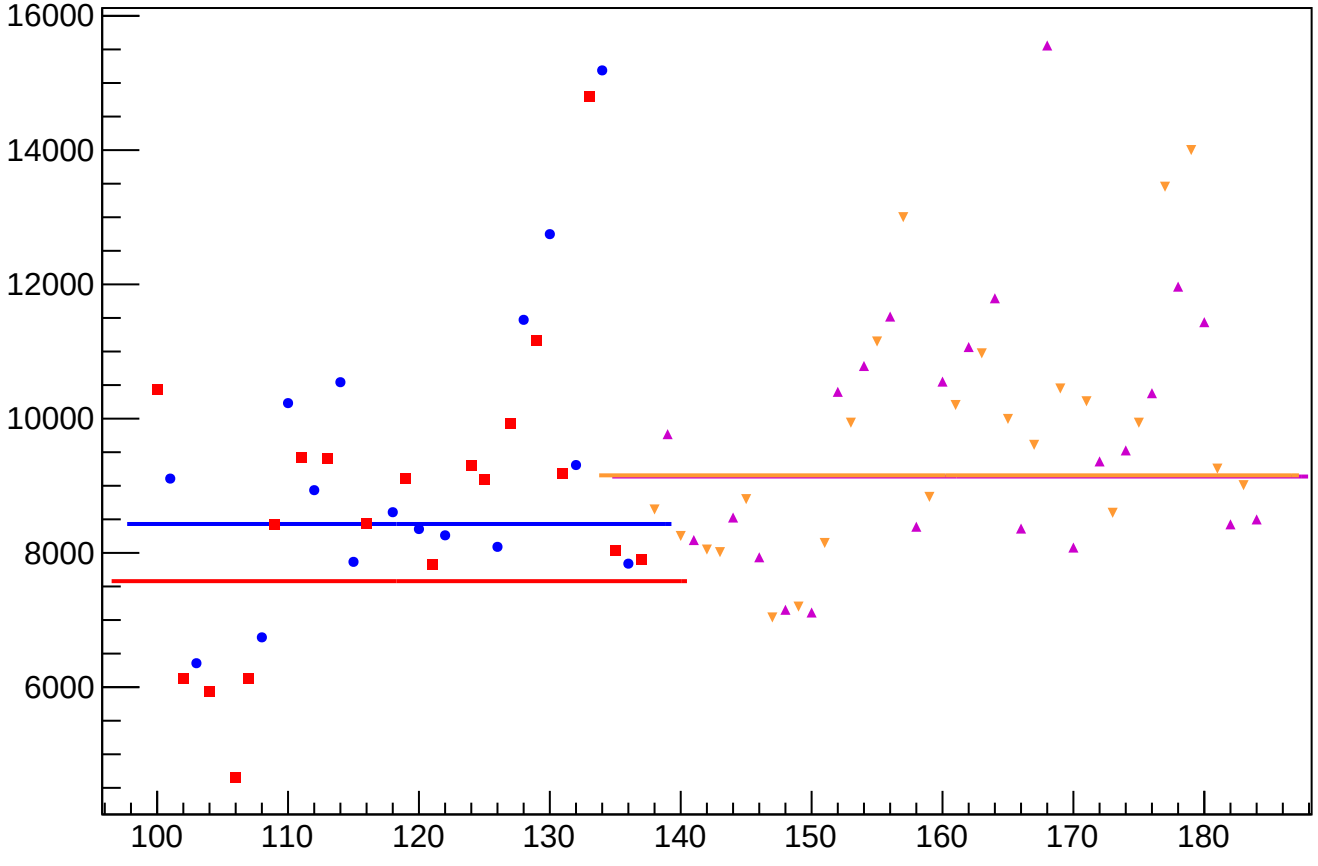
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

\+ sign -164.910+/-1779.792 χ^2/NDF: 39.9/39

All: 192.915+/-1242.285 χ^2/NDF: 69.7/81

\- sign 532.870+/-1734.783 χ^2/NDF: 29.7/41

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

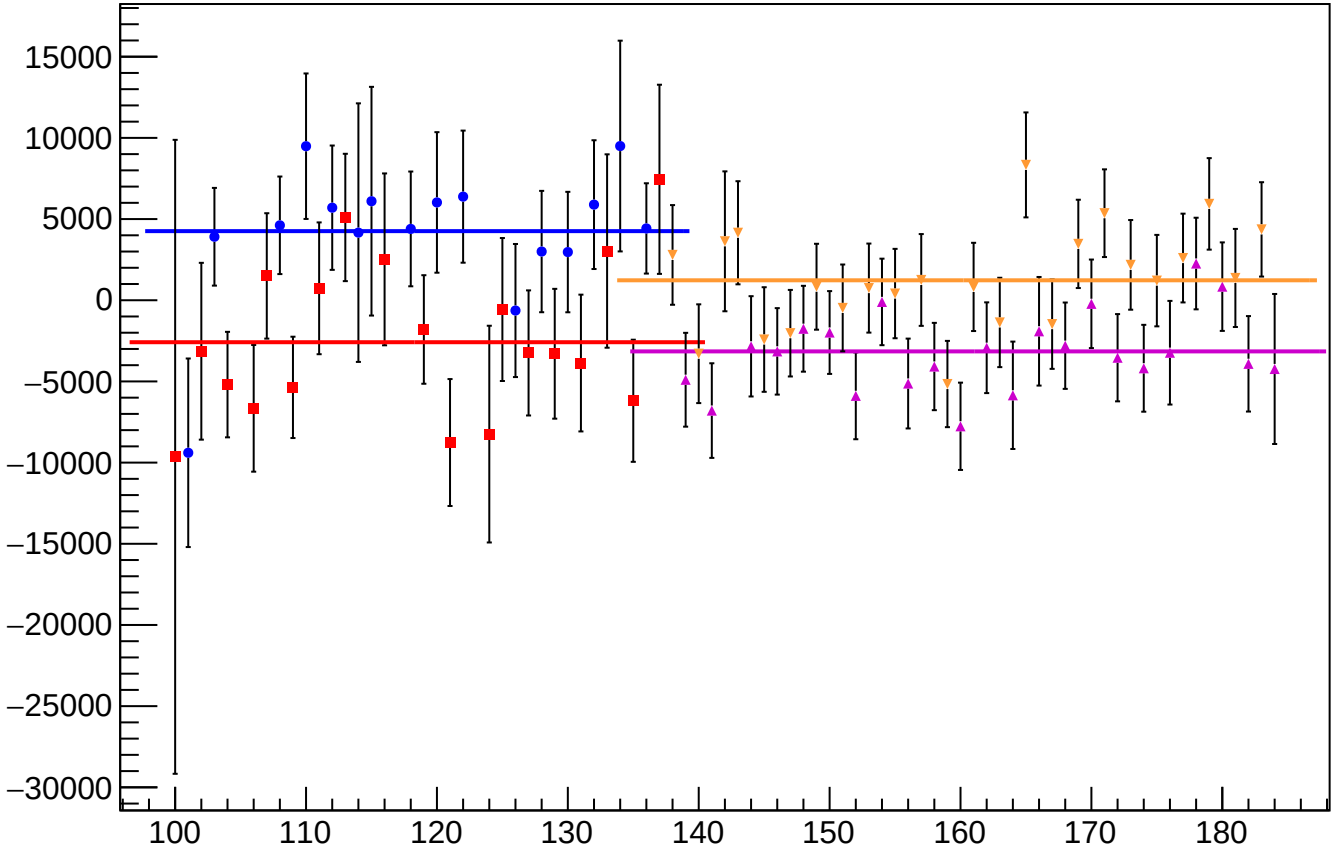
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 8932.802+/-1.259 χ^2/NDF: 1722894.5/39

All: 8746.413+/-0.878 χ^2/NDF: 4286532.0/81

- sign 8569.331+/-1.227 χ^2/NDF: 2520863.1/41

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

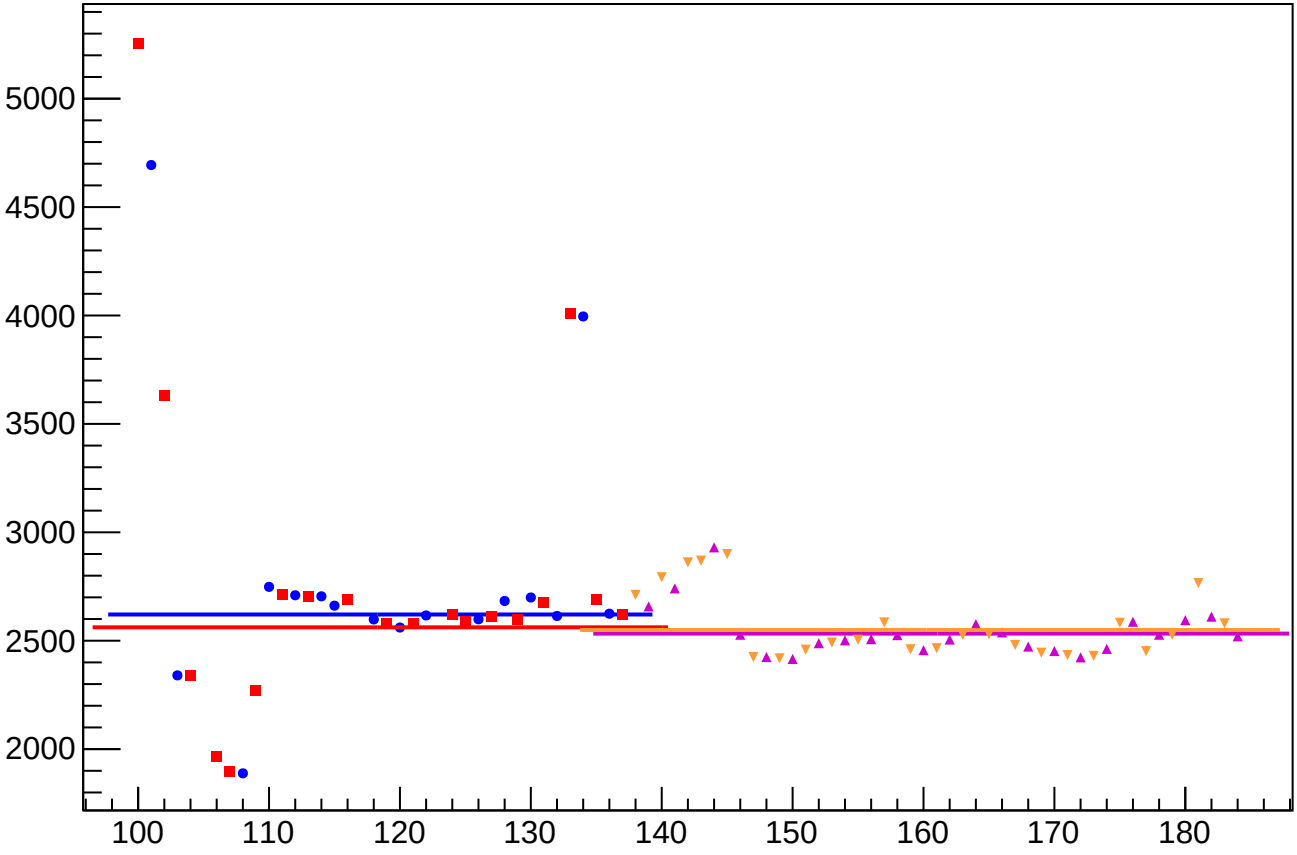
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2010.028+/-503.143 χ^2/NDF: 43.8/39

All: -484.495+/-356.372 χ^2/NDF: 127.4/81

- sign -2995.816+/-504.834 χ^2/NDF: 34.3/41

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

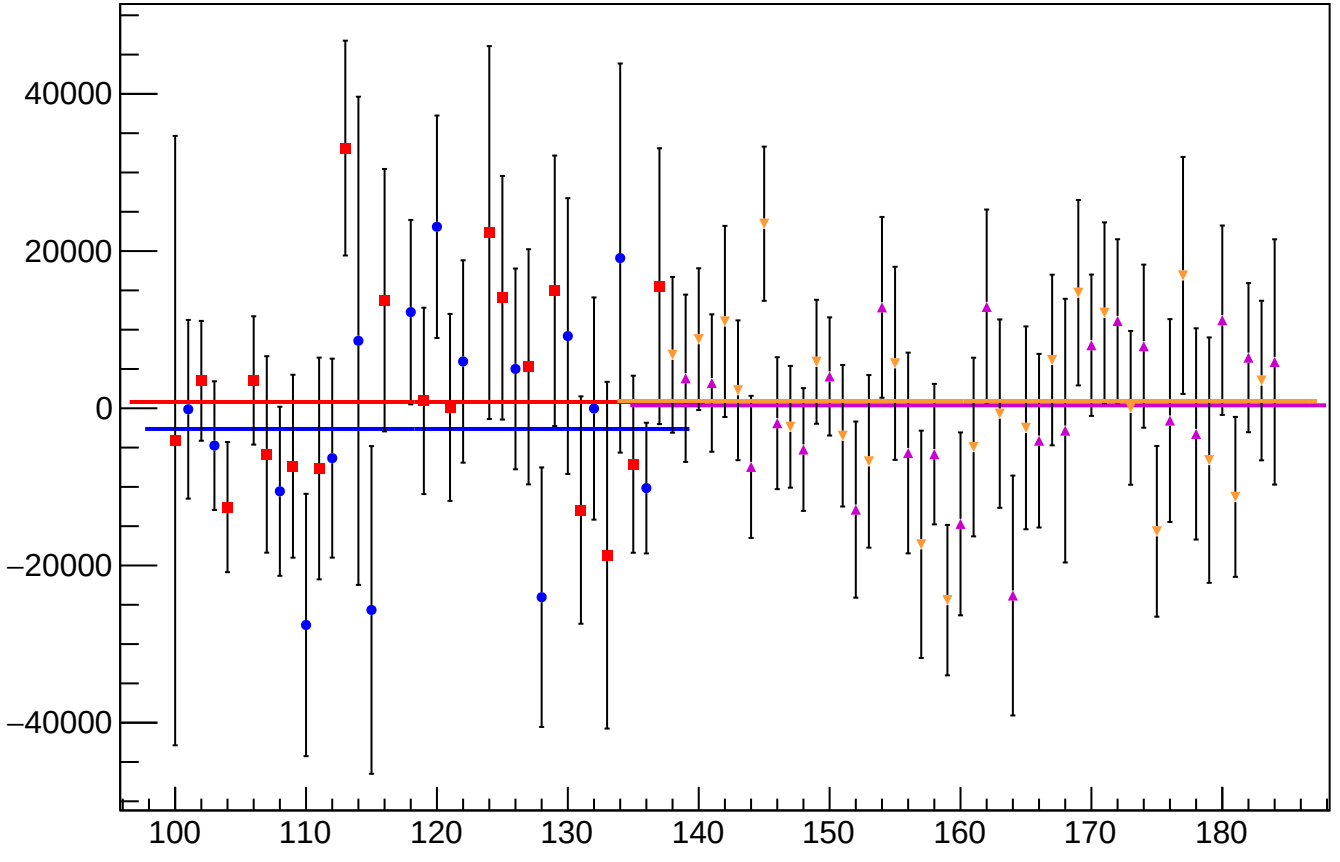
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2567.797+/-0.356 χ^2/NDF: 609172.7/39

All: 2554.284+/-0.252 χ^2/NDF: 1060072.9/81

- sign 2540.685+/-0.357 χ^2/NDF: 448005.9/41

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

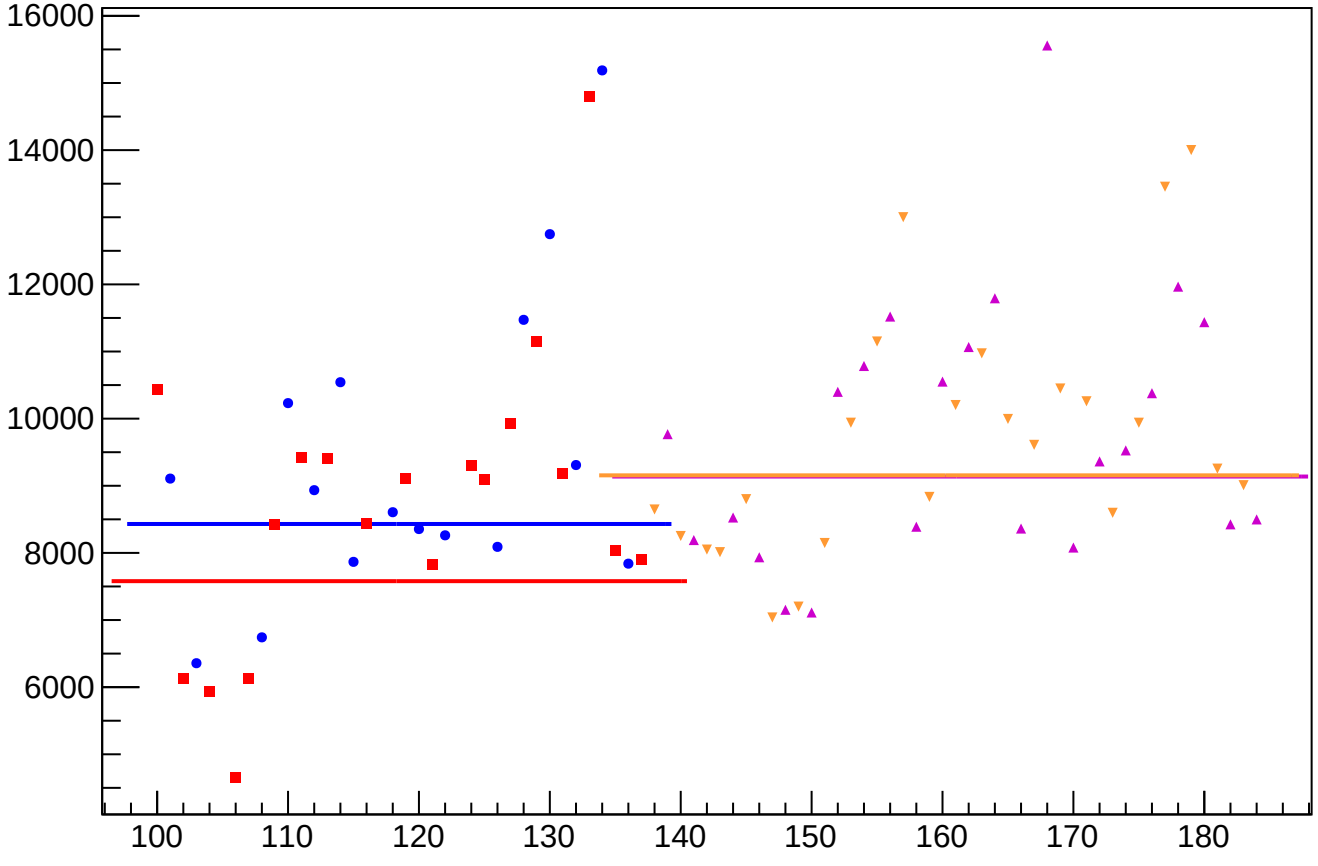
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

\+ sign -164.907+/-1779.794 χ^2/NDF: 39.9/39

All: 192.917+/-1242.285 χ^2/NDF: 69.7/81

\- sign 532.872+/-1734.784 χ^2/NDF: 29.7/41

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

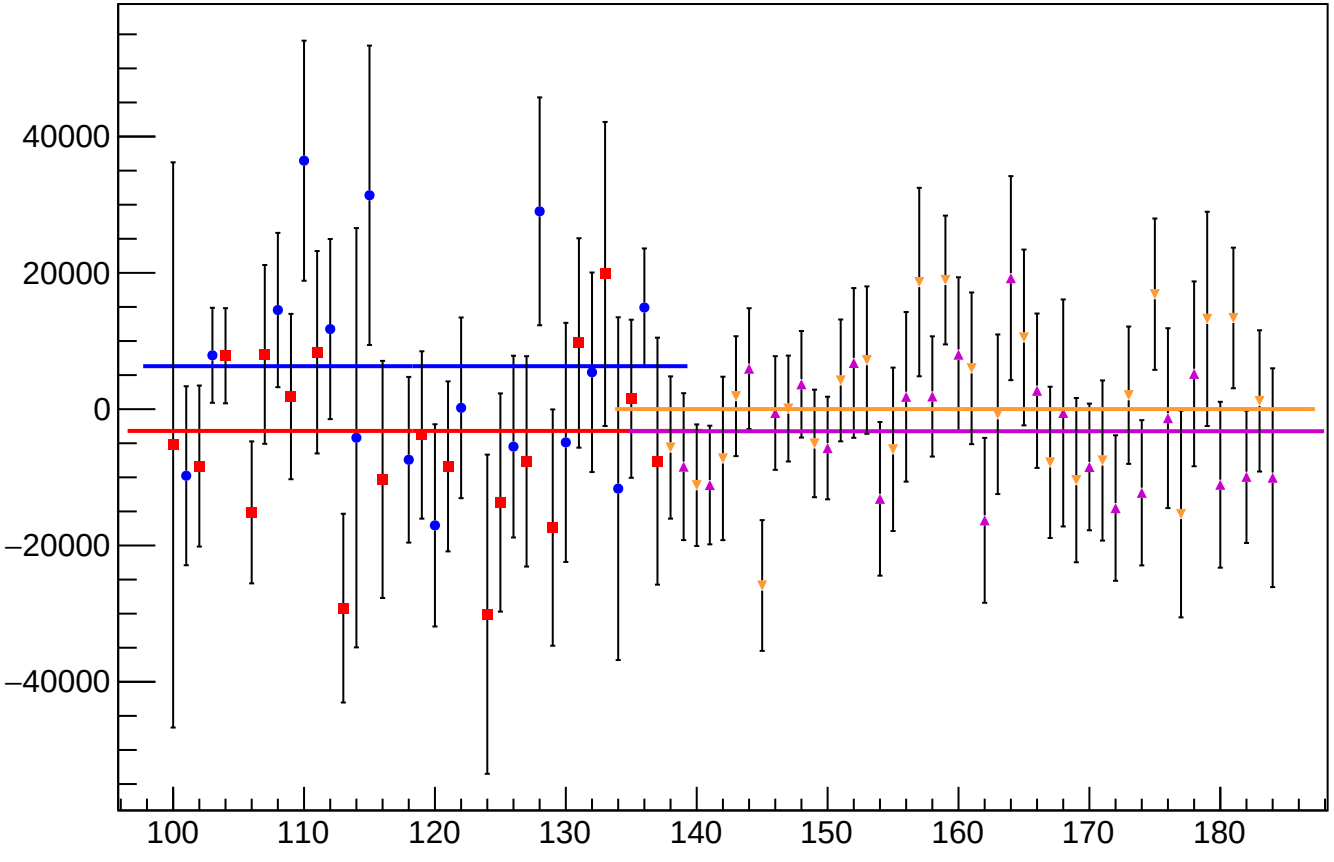
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 8932.809+/-1.259 χ^2/NDF: 1722895.6/39

All: 8746.417+/-0.878 χ^2/NDF: 4286546.7/81

- sign 8569.333+/-1.227 χ^2/NDF: 2520875.8/41

asym_atr2_mean vs Slug



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

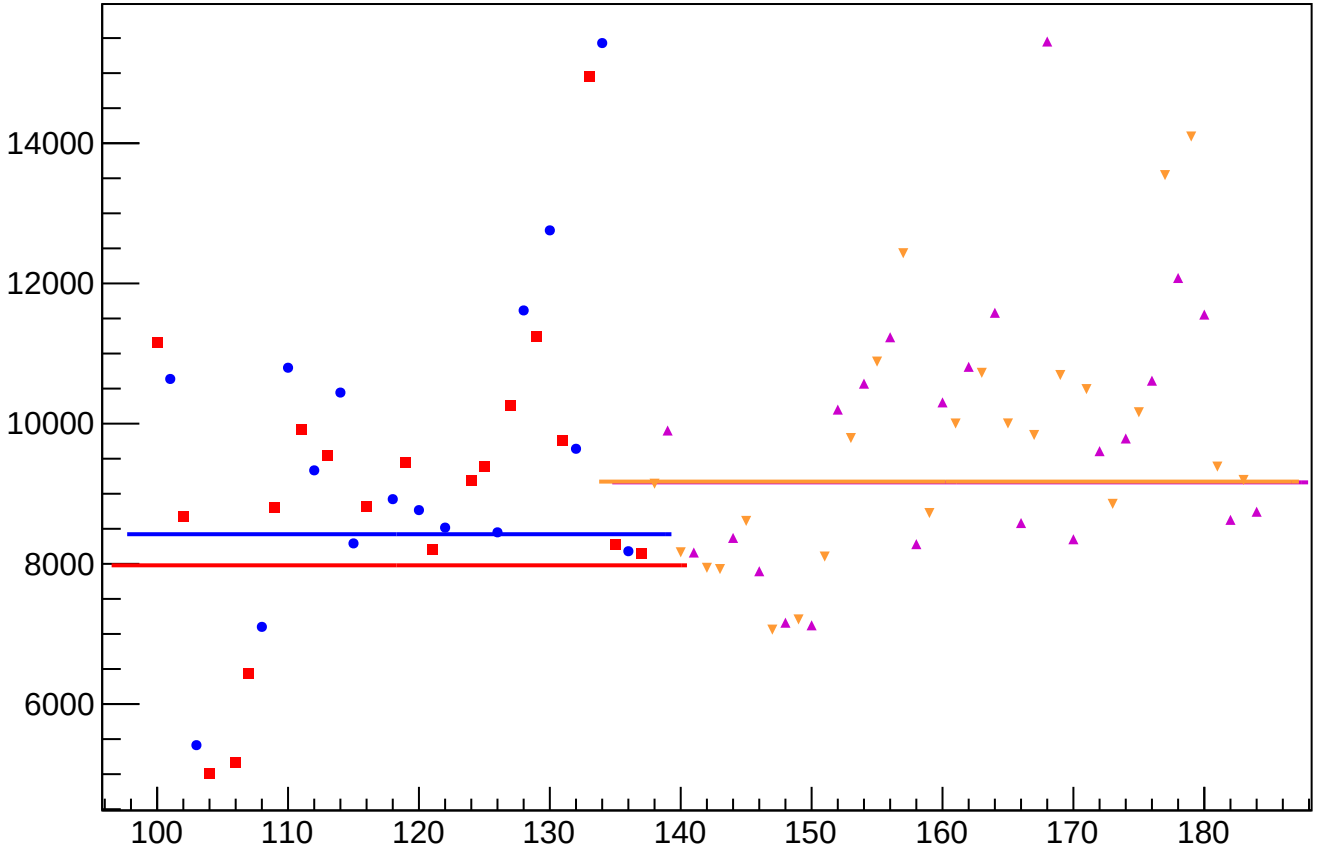
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1925.850+/-1785.834 χ^2/NDF: 42.8/39

All: -659.081+/-1259.678 χ^2/NDF: 74.4/81

- sign -3218.806+/-1777.106 χ^2/NDF: 27.4/41

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

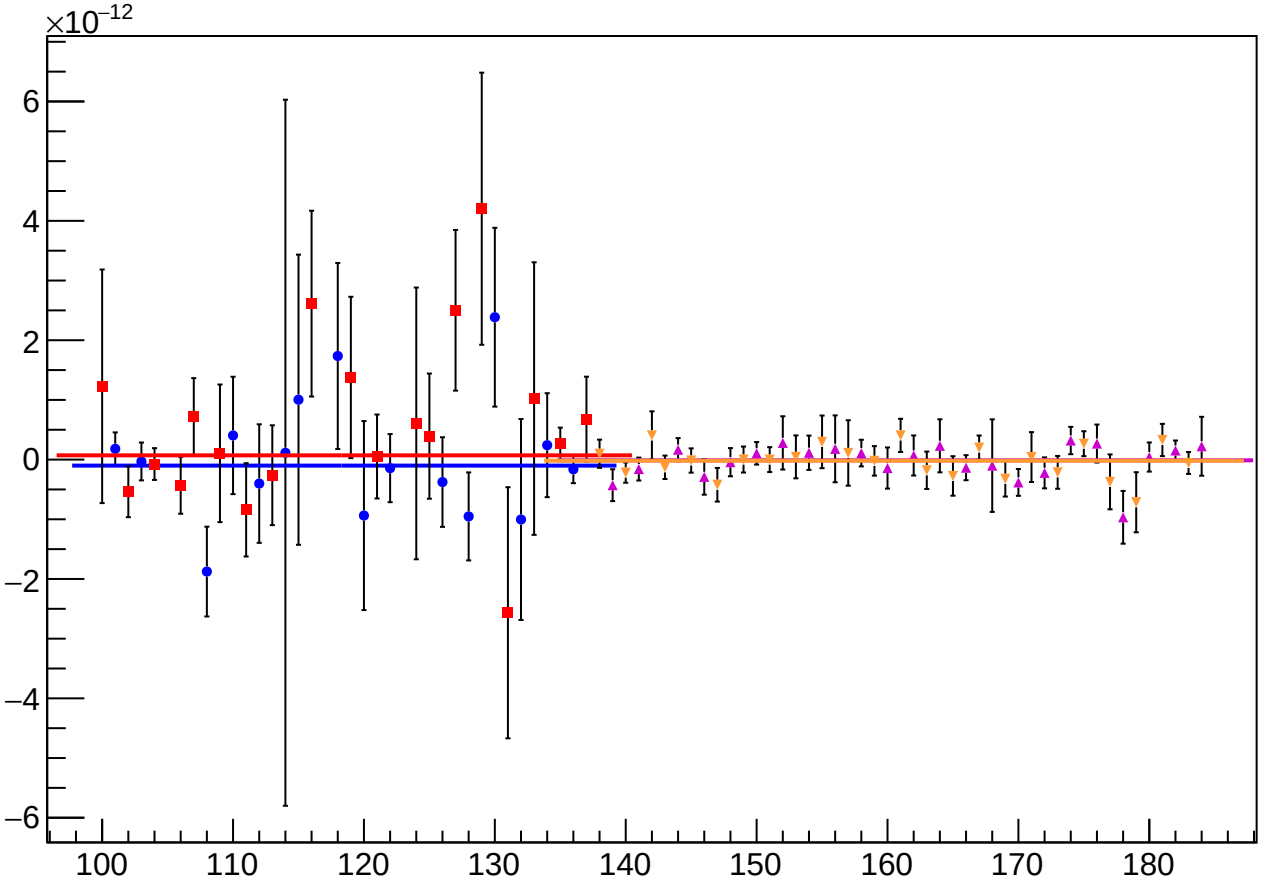
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 8945.158+/-1.263 χ^2/NDF: 2013489.4/39

All: 8854.849+/-0.891 χ^2/NDF: 4364871.2/81

- sign 8765.422+/-1.257 χ^2/NDF: 2341202.6/41

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

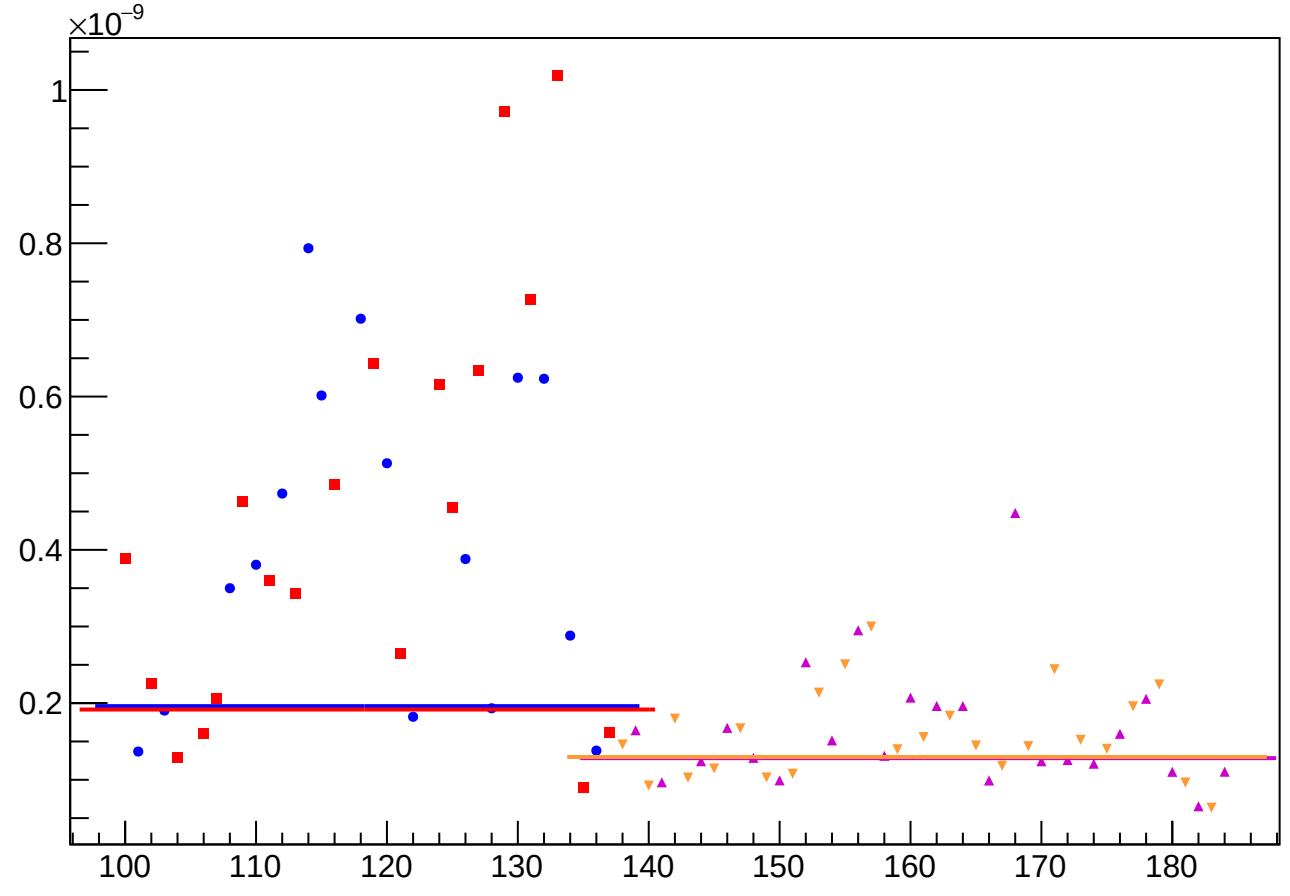
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/39

All: -0.000+/-0.000 χ^2/NDF: 70.9/81

- sign -0.000+/-0.000 χ^2/NDF: 39.1/41



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

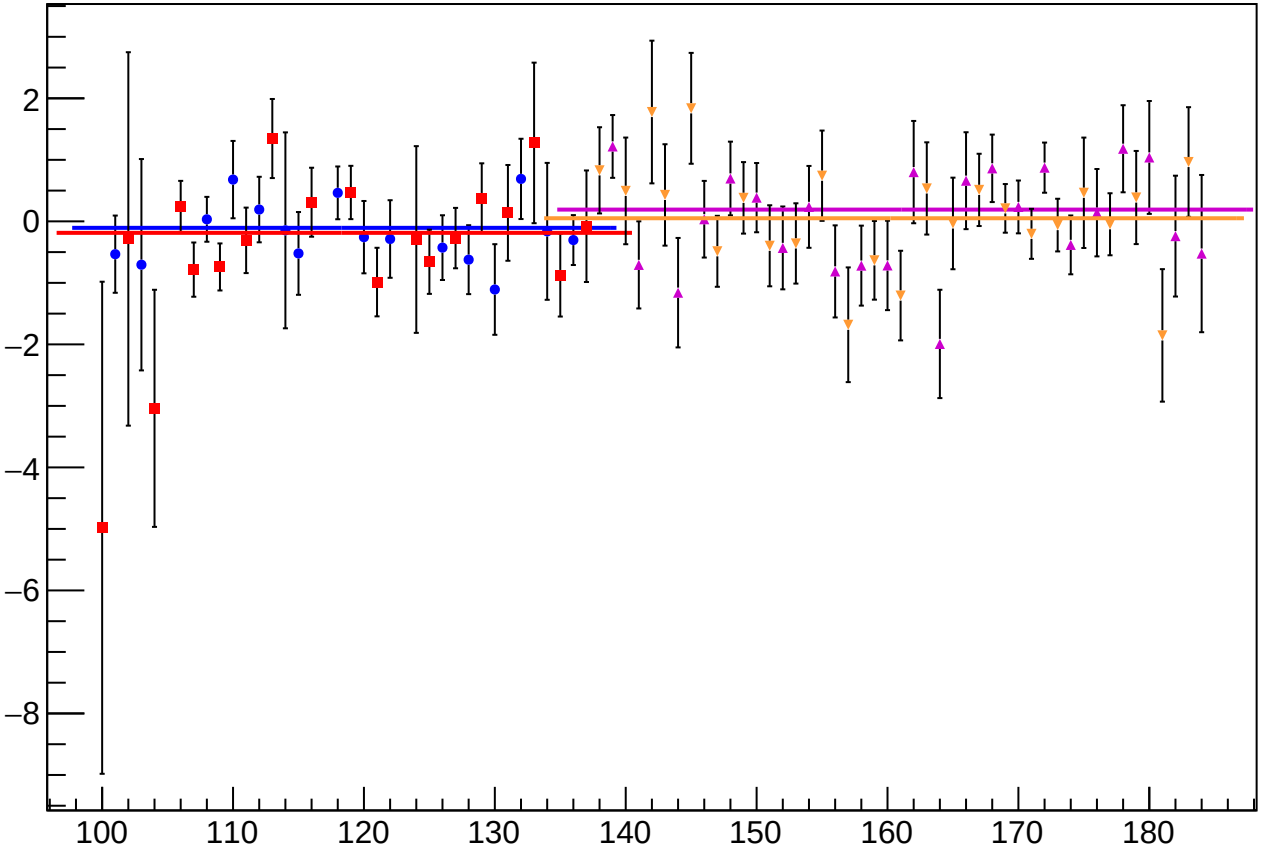
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3154446.6/39

All: 0.000+/-0.000 χ^2/NDF: 7098119.0/81

- sign 0.000+/-0.000 χ^2/NDF: 3942125.8/41

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

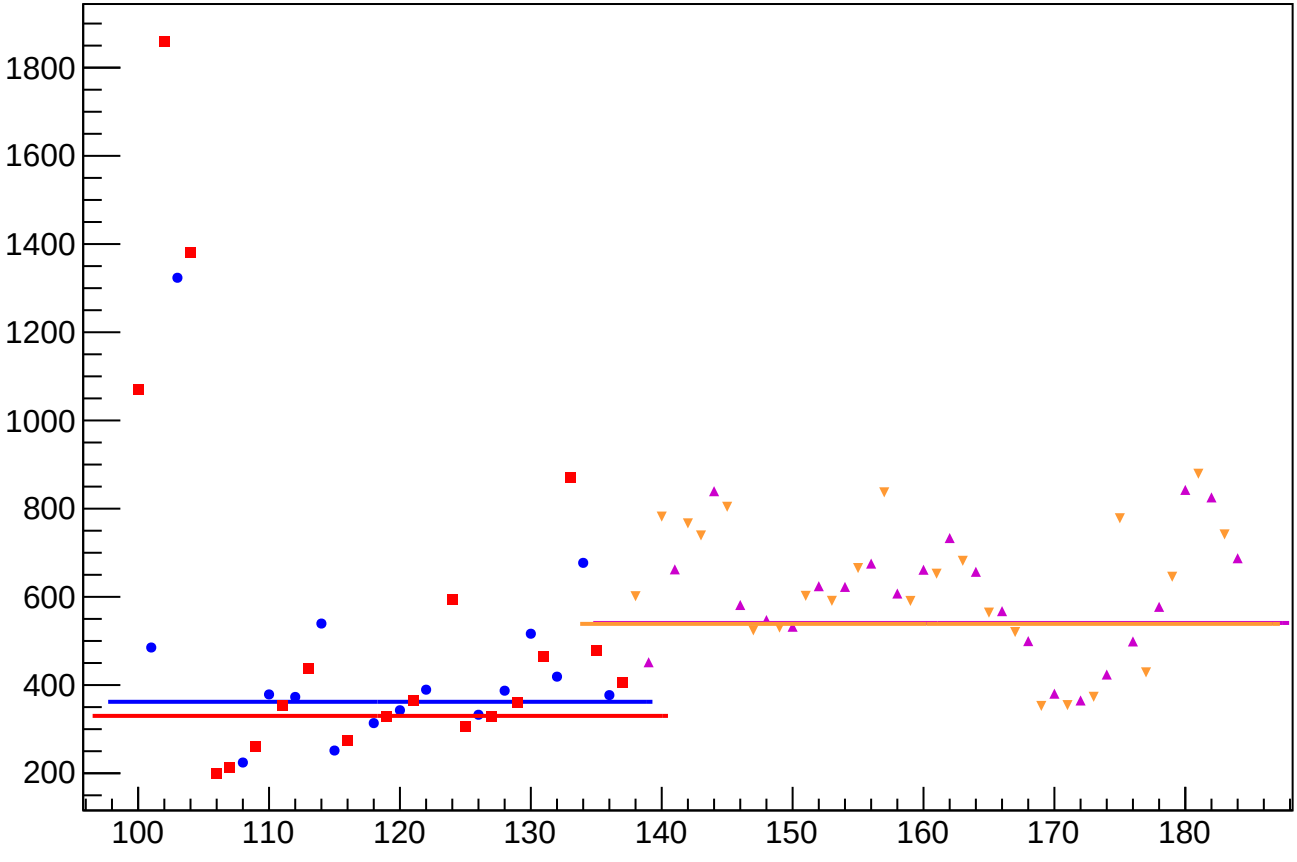
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.020+/-0.097 χ^2/NDF: 35.0/39

All: -0.006+/-0.068 χ^2/NDF: 93.9/81

- sign 0.008+/-0.096 χ^2/NDF: 58.9/41

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

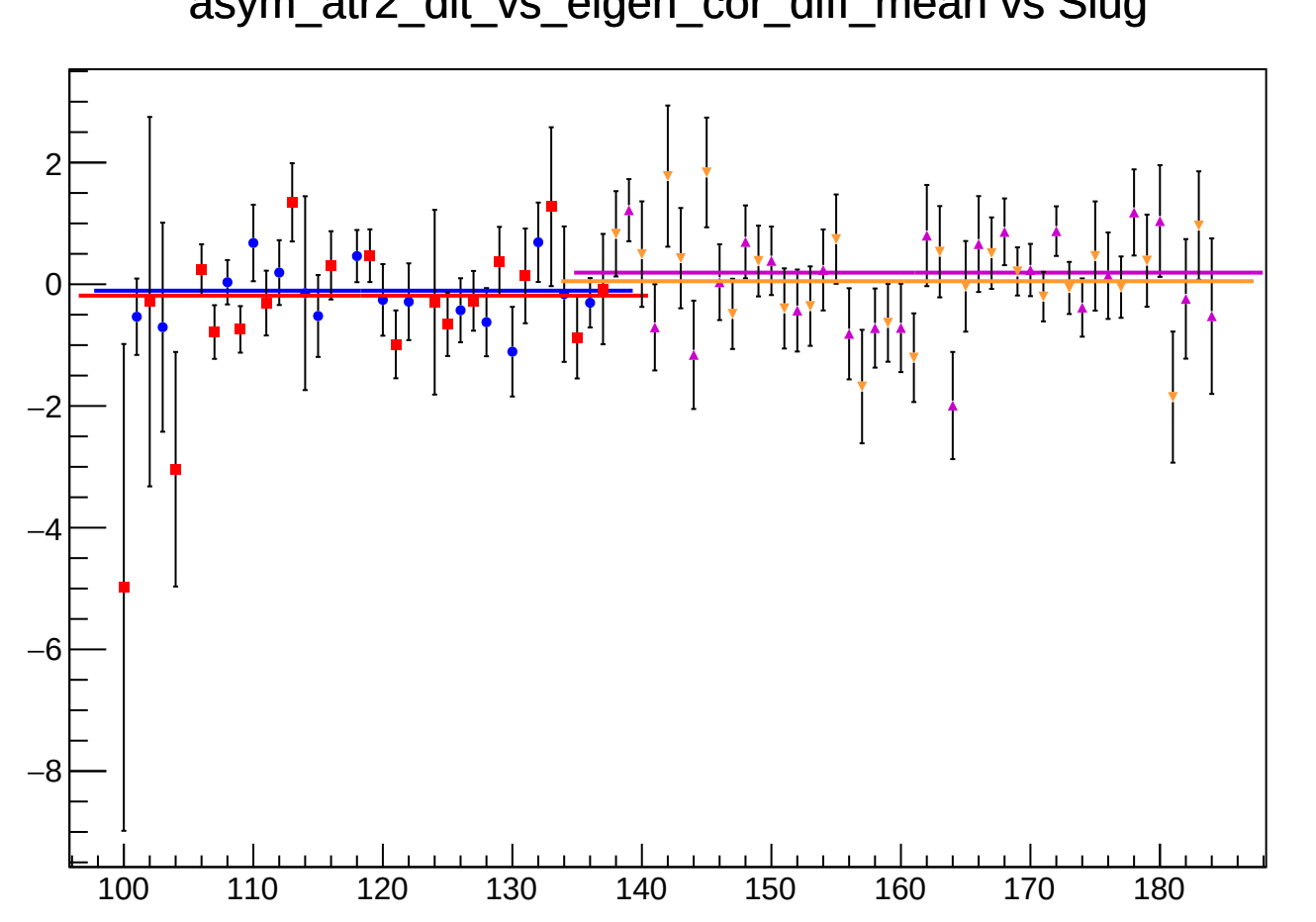
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 459.082+/-0.069 χ^2/NDF: 5727511.9/39

All: 448.767+/-0.048 χ^2/NDF: 12349352.3/81

- sign 438.775+/-0.068 χ^2/NDF: 6577450.3/41



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

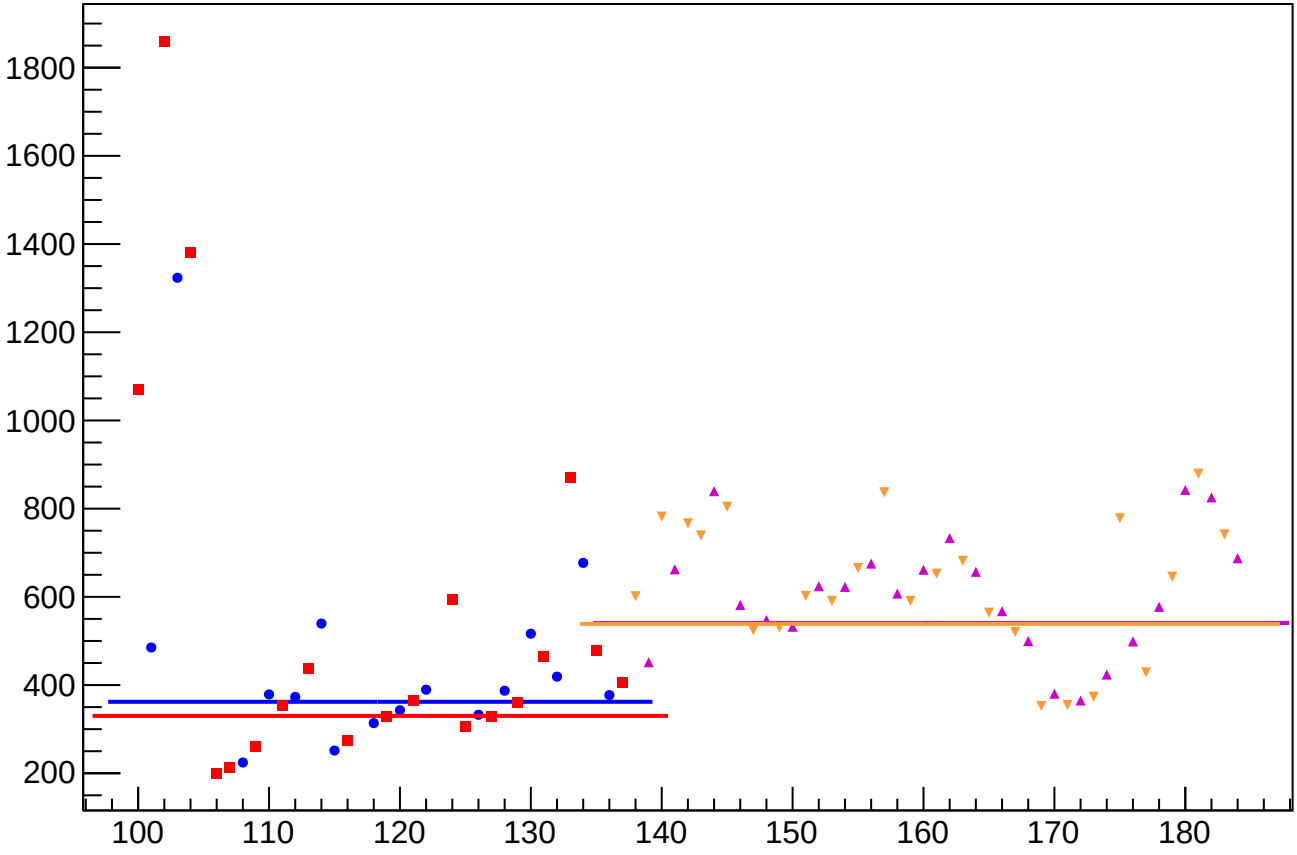
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.020+/-0.097 χ^2/NDF: 35.0/39

All: -0.006+/-0.068 χ^2/NDF: 93.9/81

- sign 0.008+/-0.096 χ^2/NDF: 58.9/41

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

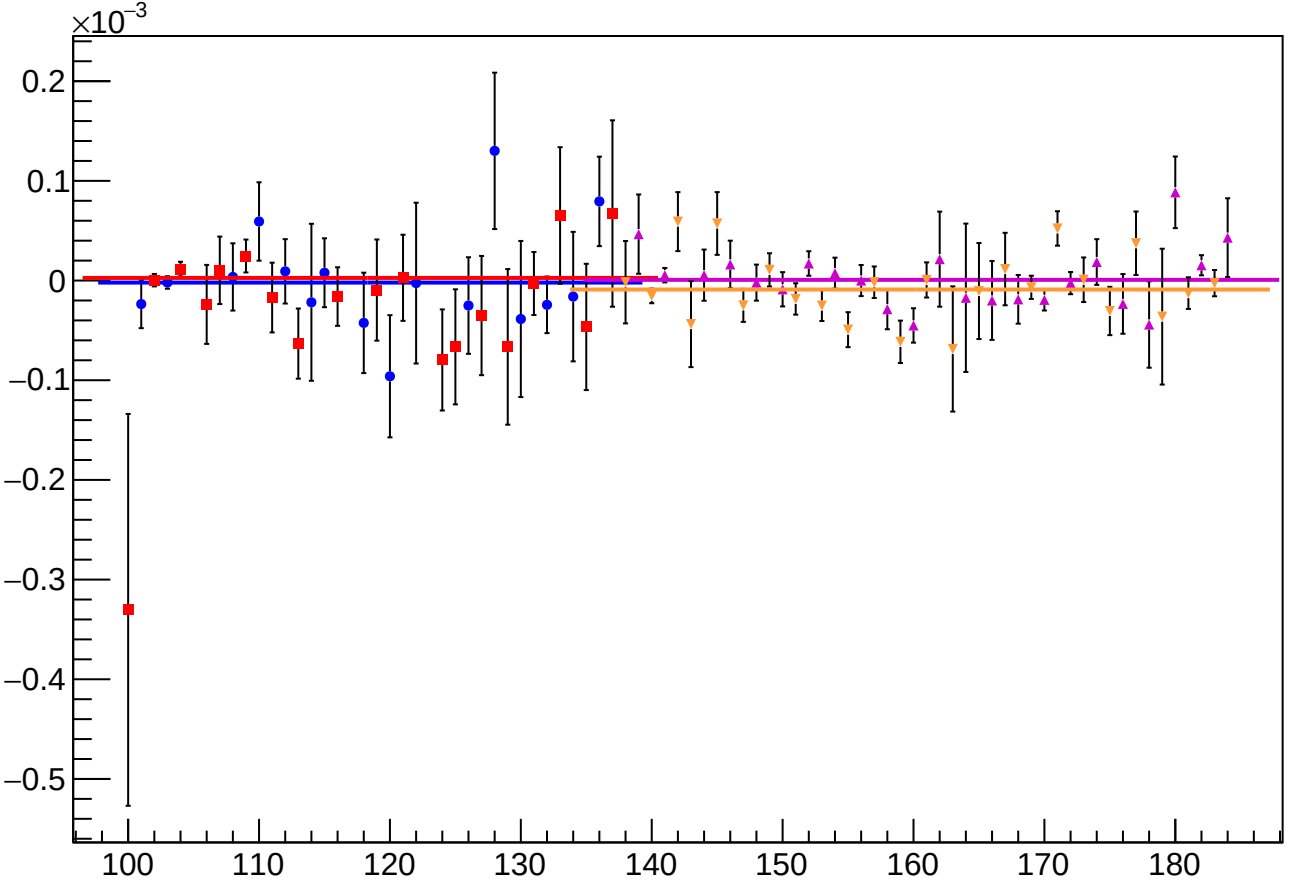
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 459.082+/-0.069 χ^2/NDF: 5727511.9/39

All: 448.767+/-0.048 χ^2/NDF: 12349352.3/81

- sign 438.775+/-0.068 χ^2/NDF: 6577450.3/41

asym_atr2_eigen_dit_vs_dit_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:44.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

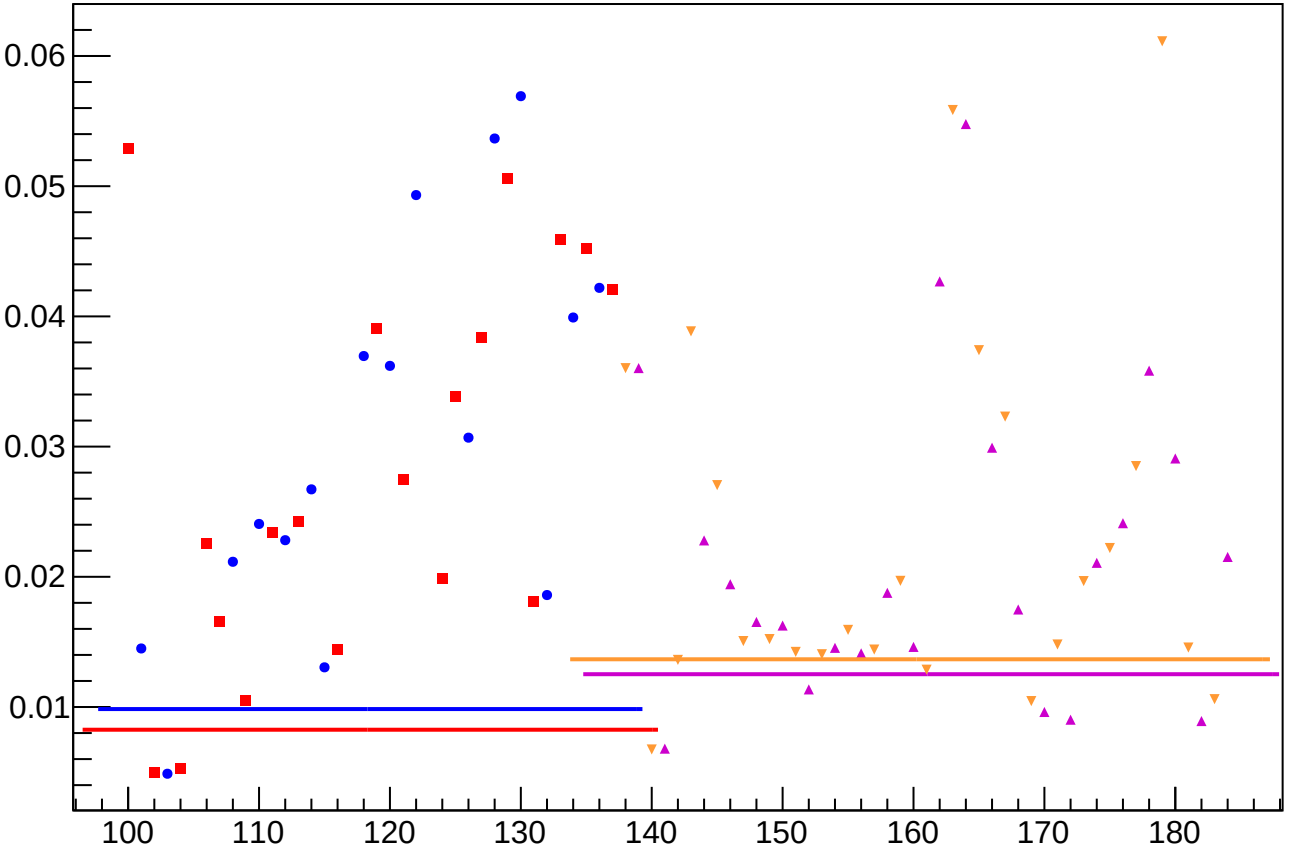
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/39

All: -0.000+/-0.000 χ^2/NDF: 111.7/81

- sign 0.000+/-0.000 χ^2/NDF: 48.3/41

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:7629373.4/23

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

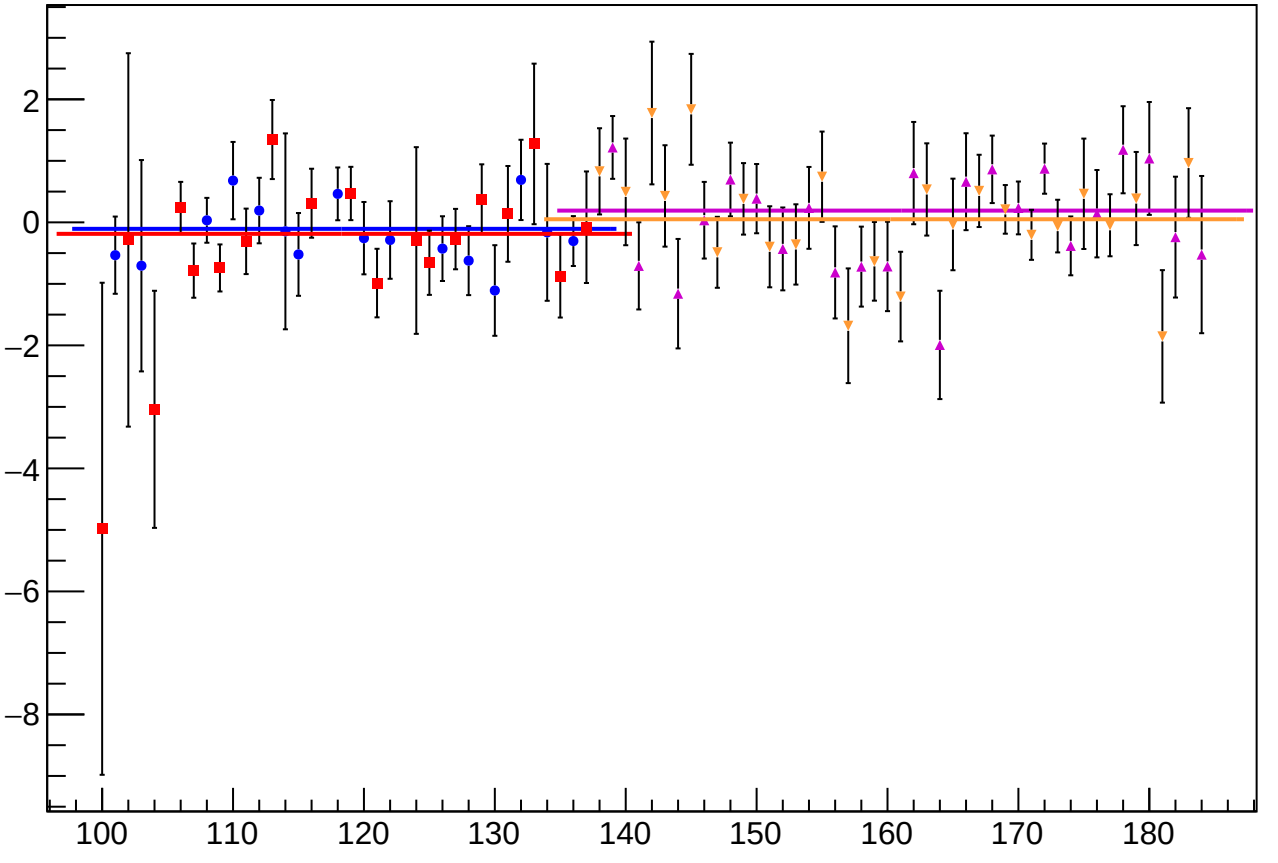
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 15373085.8/39

All: 0.012+/-0.000 χ^2/NDF: 30804612.2/81

- sign 0.011+/-0.000 χ^2/NDF: 15087967.1/41

asym_atr2_eigen_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

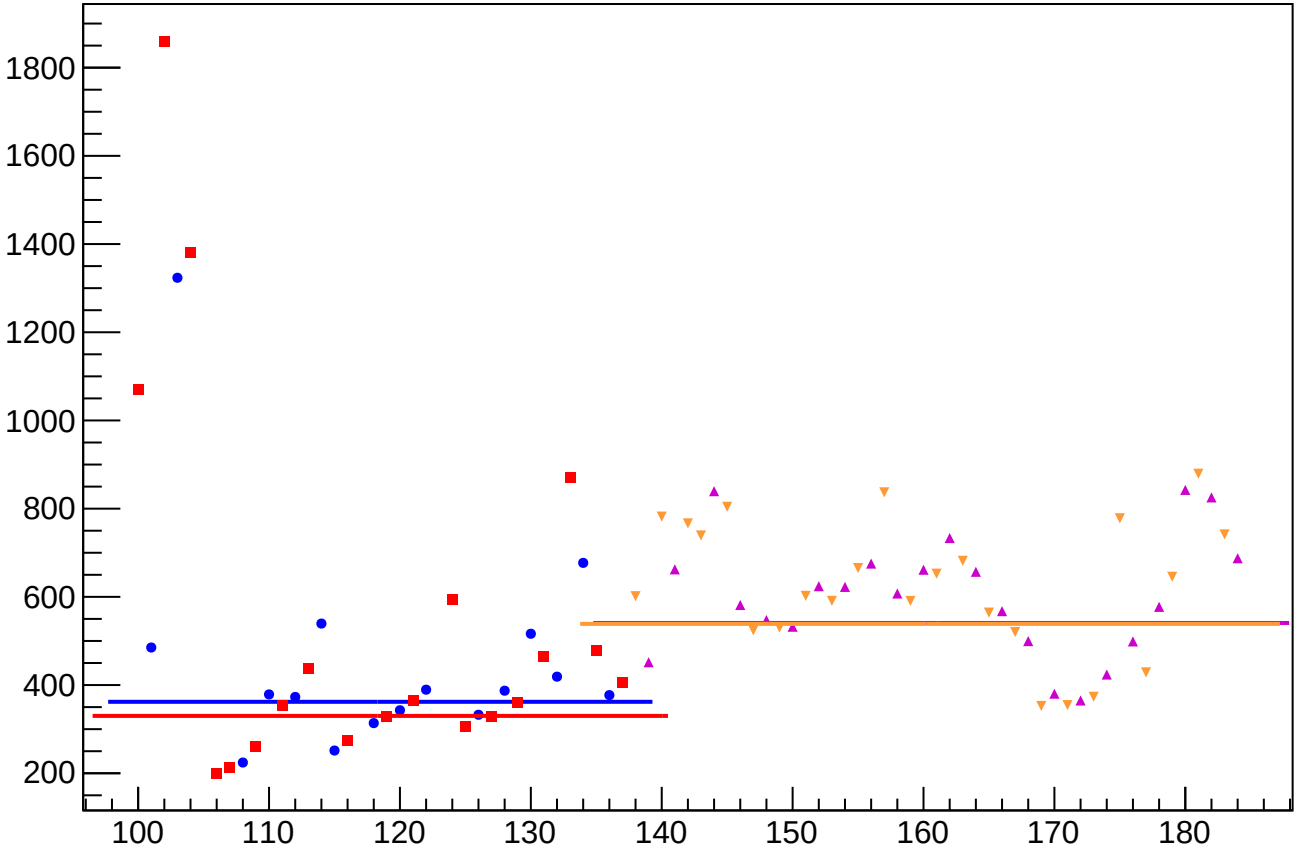
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.020+/-0.097 χ^2/NDF: 35.0/39

All: -0.006+/-0.068 χ^2/NDF: 93.9/81

- sign 0.008+/-0.096 χ^2/NDF: 58.9/41

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

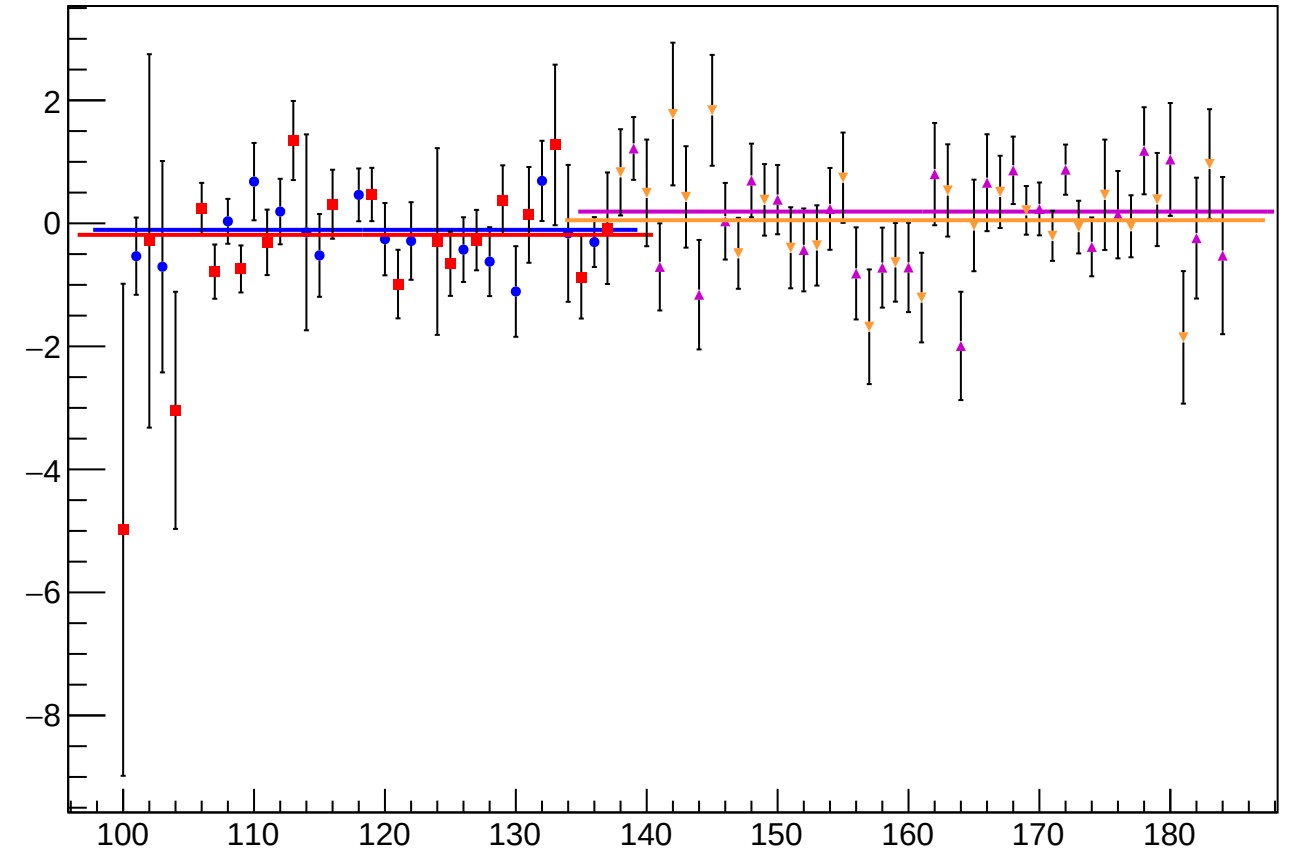
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 459.082+/-0.069 χ^2/NDF: 5727731.1/39

All: 448.768+/-0.048 χ^2/NDF: 12349732.3/81

- sign 438.775+/-0.068 χ^2/NDF: 6577614.4/41



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.050+/-0.131 χ^2/NDF:24.7/23

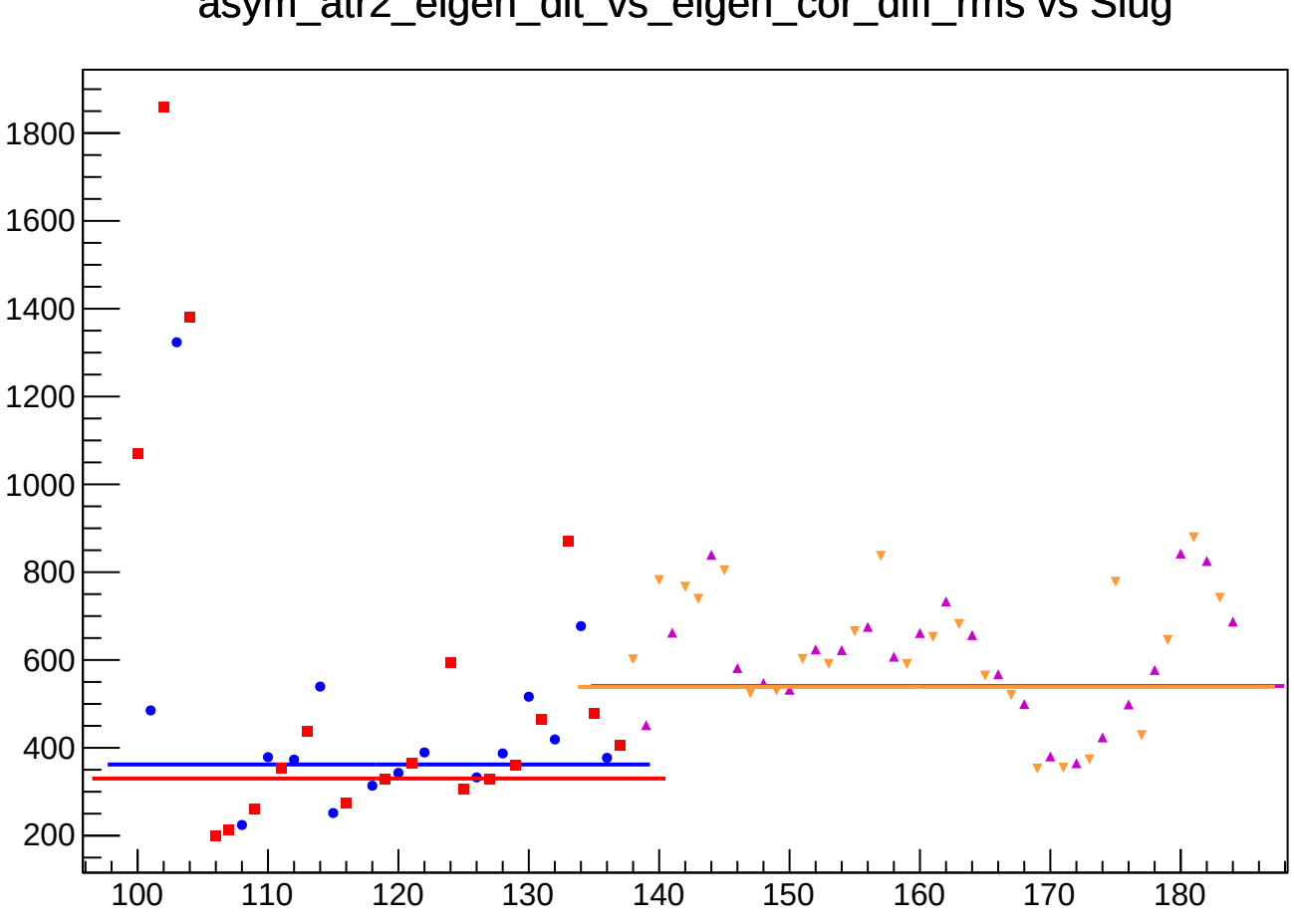
Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

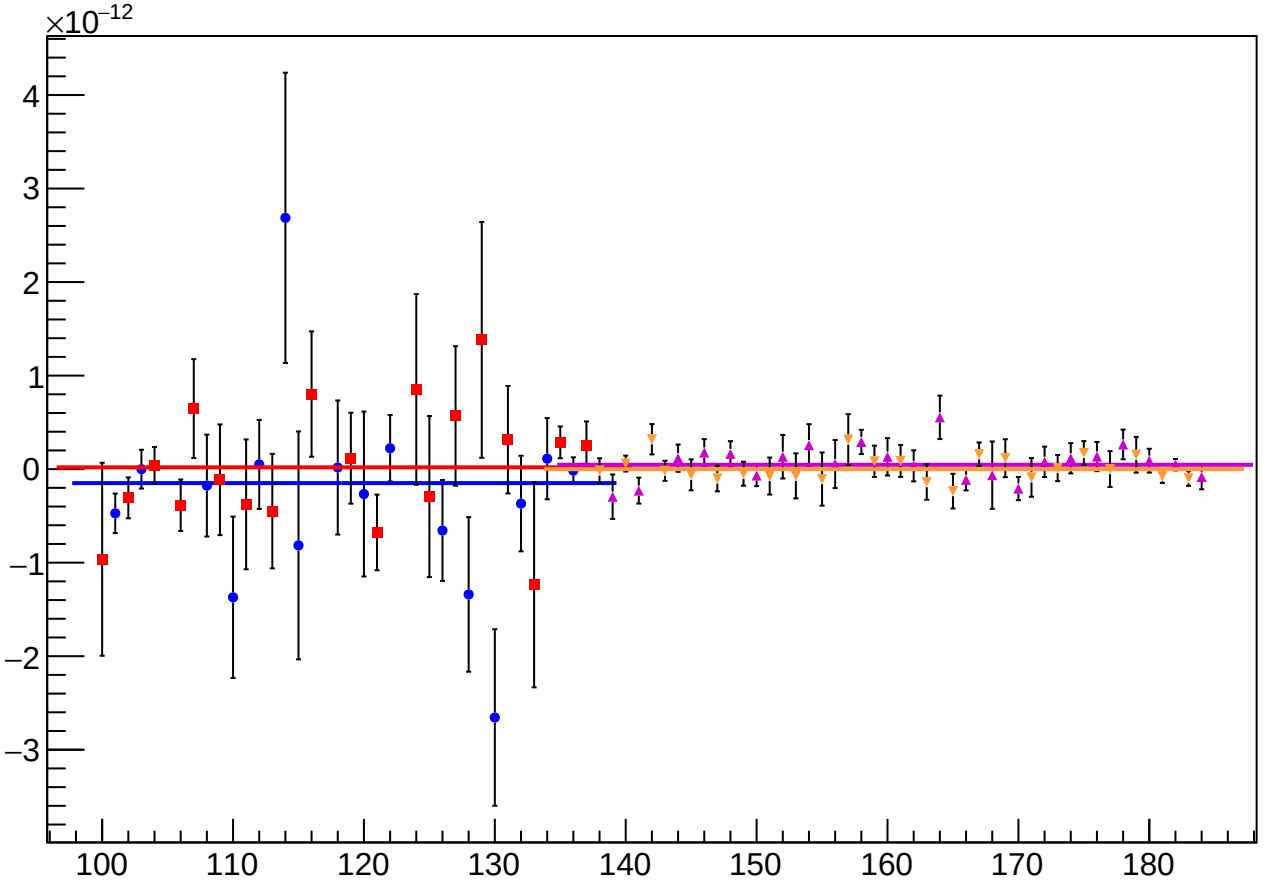
+ sign -0.020+/-0.097 χ^2/NDF: 35.0/39

All: -0.006+/-0.068 χ^2/NDF: 93.9/81

- sign 0.008+/-0.096 χ^2/NDF: 58.9/41


asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 362.034+/-0.102 χ²/NDF: 1377333.3/15
Left Out: 538.756+/-0.093 χ²/NDF:2711832.4/23
Right Out: 330.082+/-0.097 χ²/NDF: 2246503.8/18
Left In: 540.809+/-0.094 χ²/NDF:1905035.9/22
+ sign 459.082+/-0.069 χ²/NDF: 5727731.1/39
All: 448.768+/-0.048 χ²/NDF: 12349732.3/81
- sign 438.775+/-0.068 χ²/NDF: 6577614.4/41

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

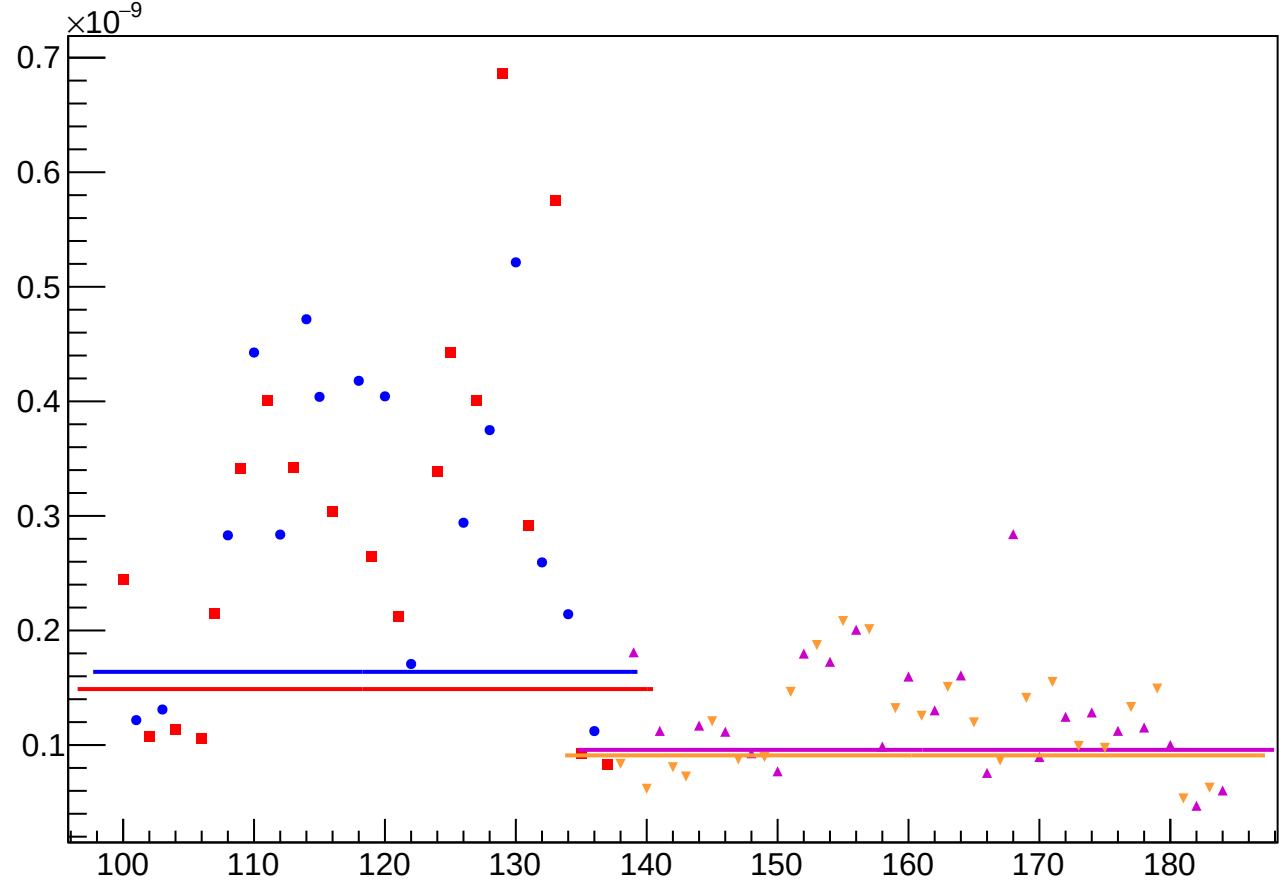
Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.7/39

All: 0.000+/-0.000 χ^2/NDF: 90.7/81

- sign 0.000+/-0.000 χ^2/NDF: 47.7/41

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3367722.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

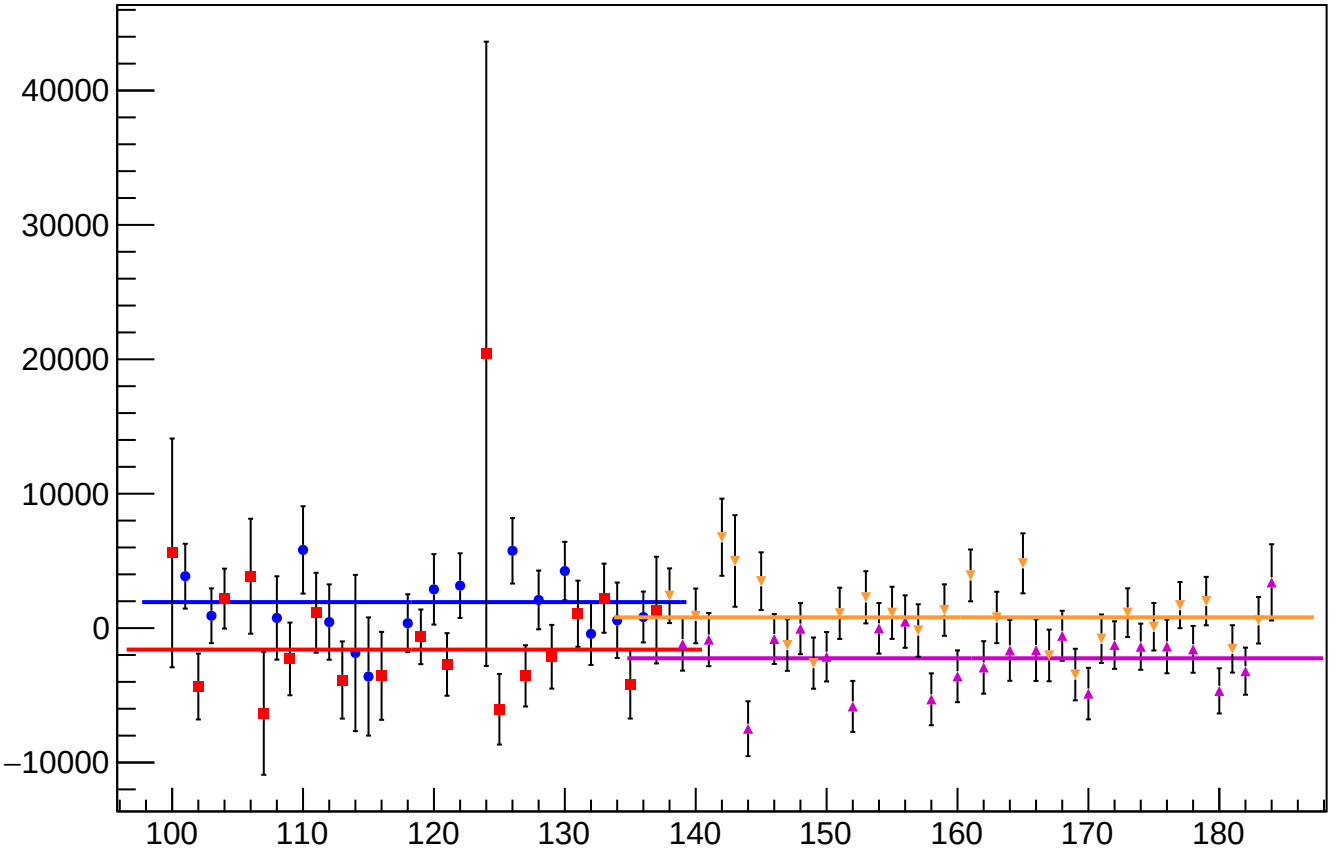
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6645934.1/39

All: 0.000+/-0.000 χ^2/NDF: 14138125.5/81

- sign 0.000+/-0.000 χ^2/NDF: 7471841.1/41

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

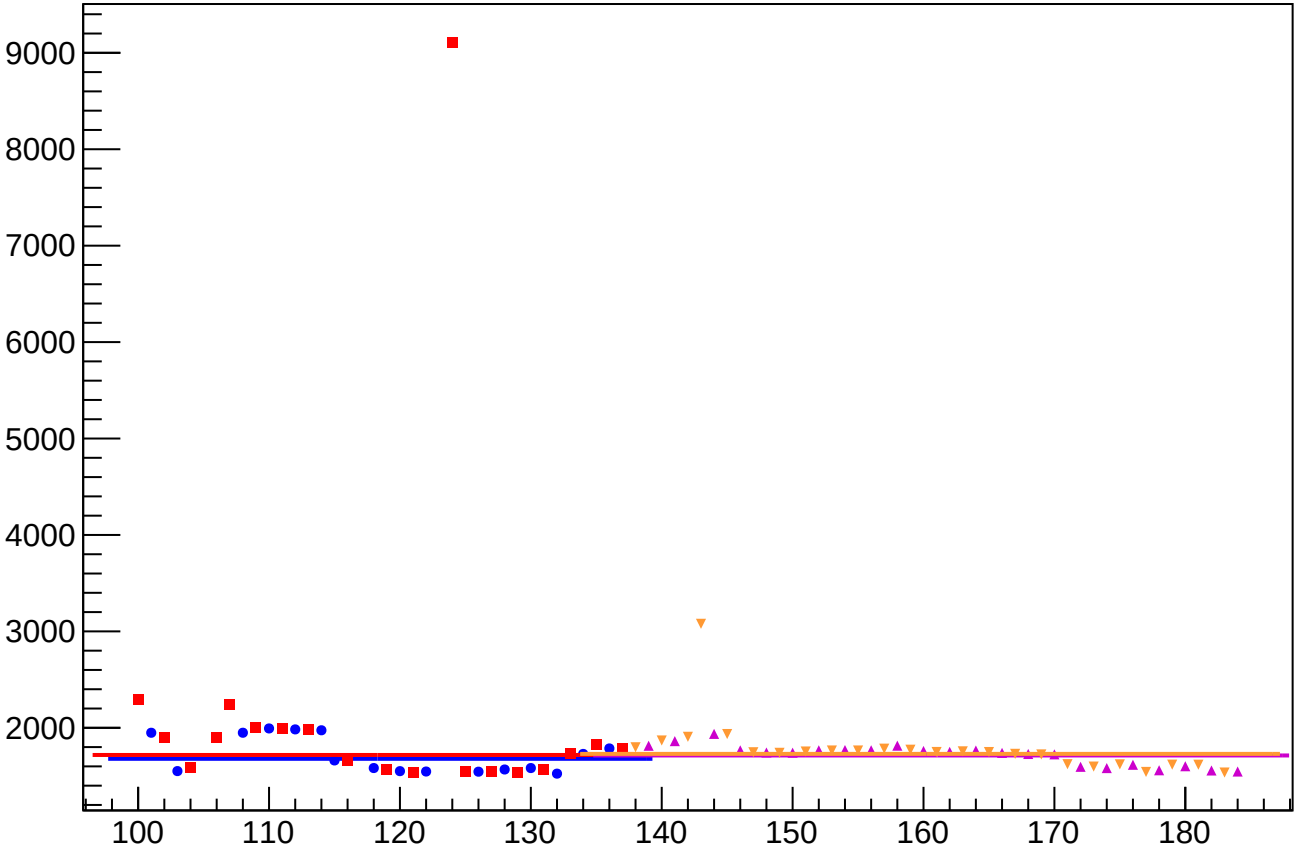
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1126.281+/-336.099 χ^2/NDF: 43.0/39

All: -450.358+/-239.021 χ^2/NDF: 137.1/81

- sign -2063.684+/-339.987 χ^2/NDF: 49.5/41

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

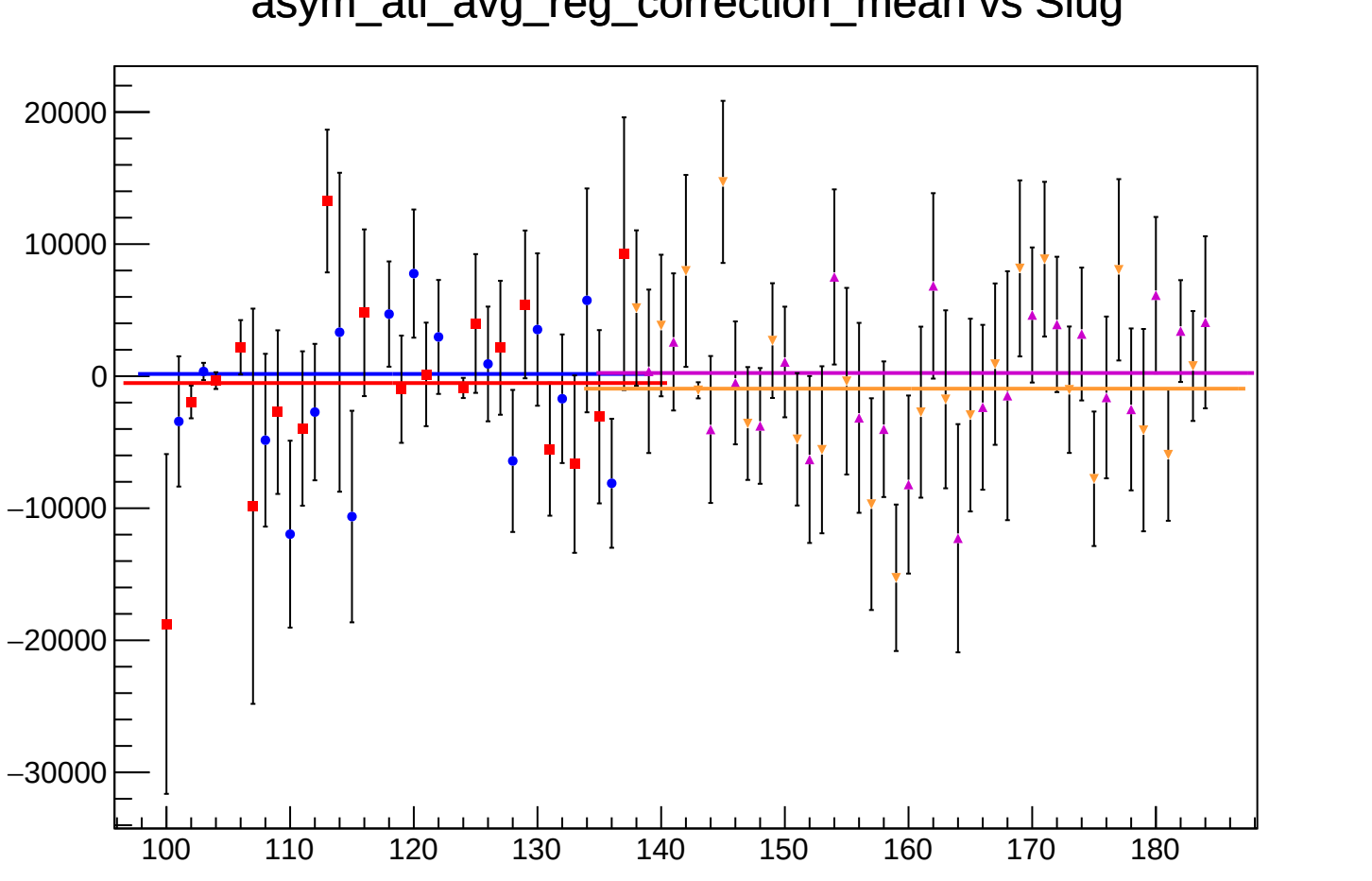
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1714.962+/-0.238 χ^2/NDF: 596759.0/39

All: 1714.788+/-0.169 χ^2/NDF: 1109323.5/81

- sign 1714.611+/-0.240 χ^2/NDF: 512563.4/41



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

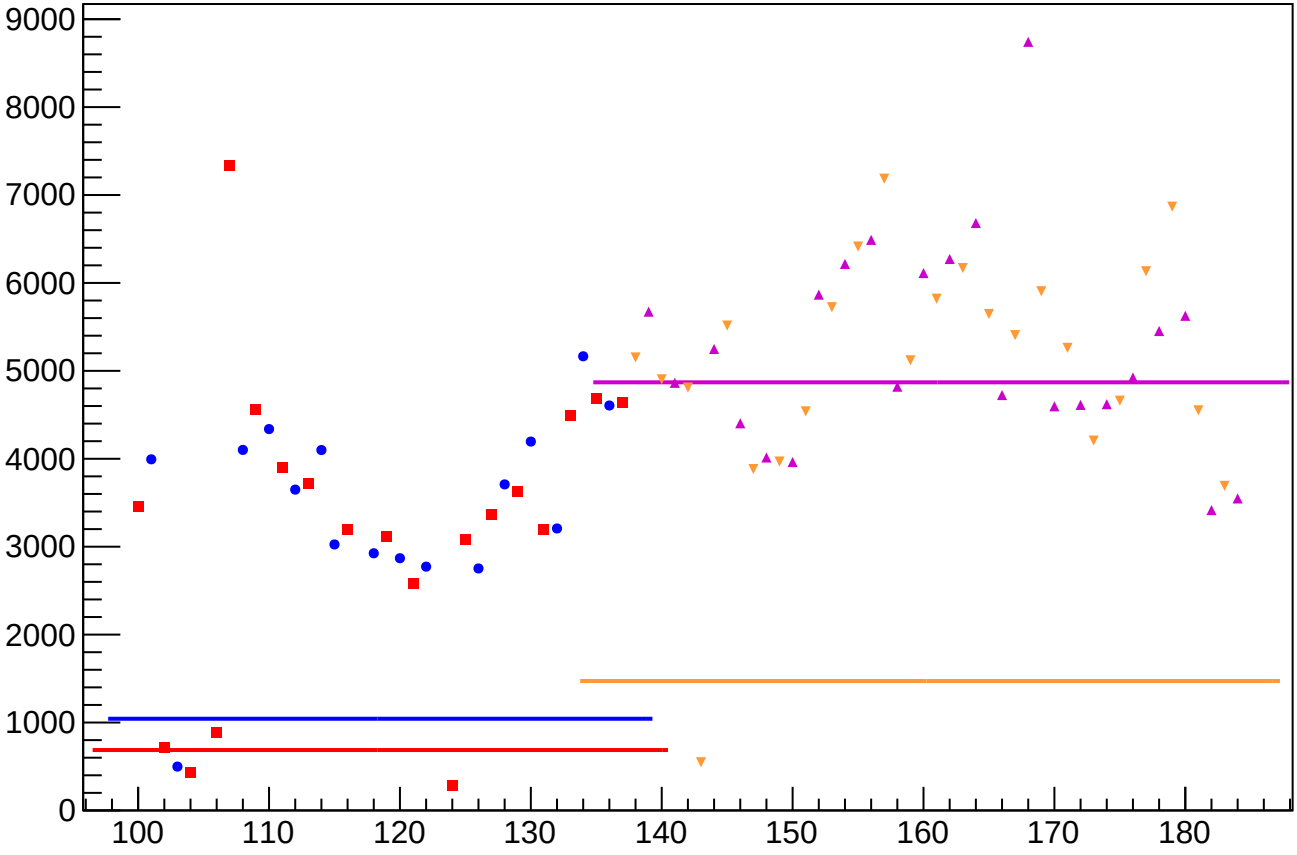
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

\+ sign -437.067+/-399.934 χ^2/NDF: 47.5/39

All: -434.441+/-282.495 χ^2/NDF: 80.0/81

\- sign -431.825+/-399.084 χ^2/NDF: 32.5/41

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

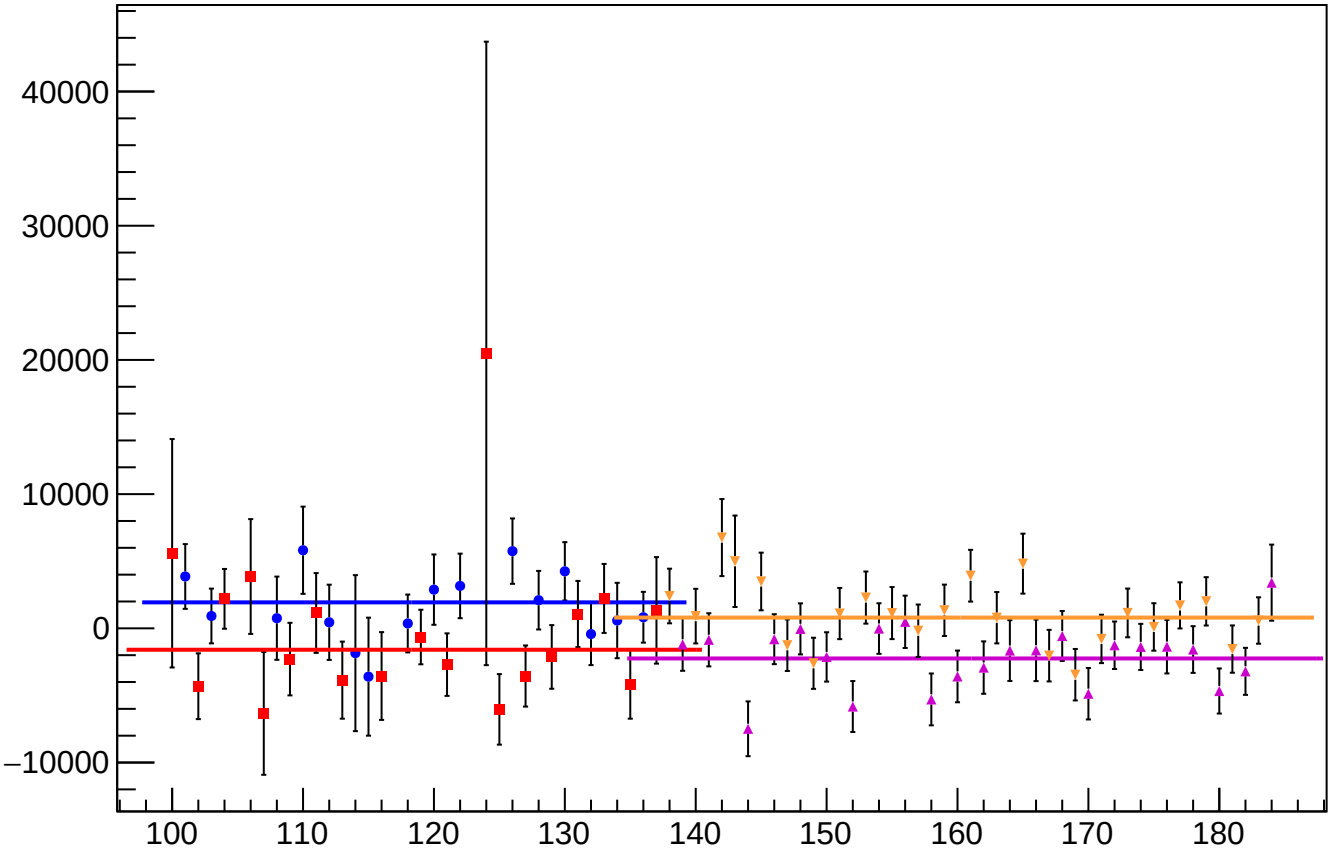
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1276.147+/-0.283 χ^2/NDF: 31719929.8/39

All: 1227.011+/-0.200 χ^2/NDF: 64636077.2/8

- sign 1178.084+/-0.282 χ^2/NDF: 32855897.9/41

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

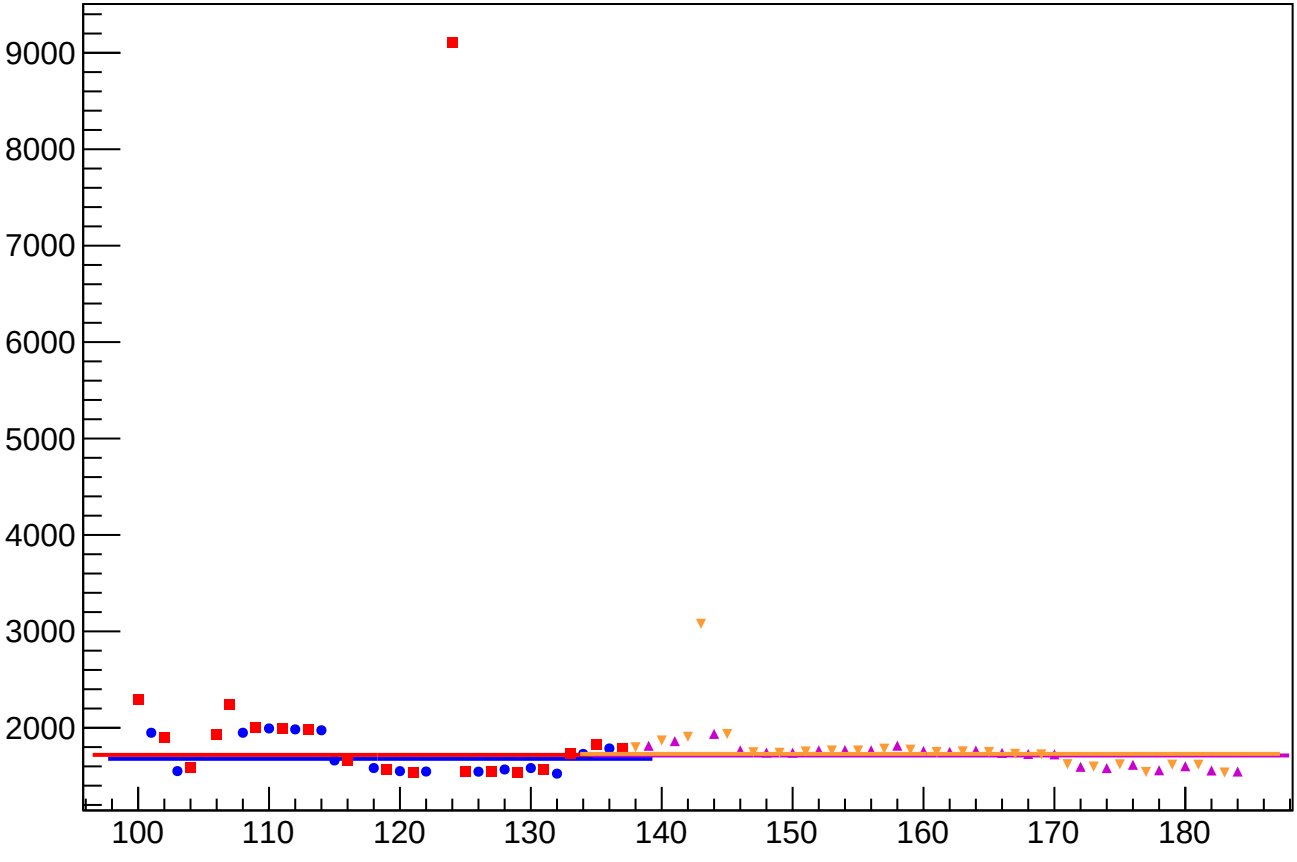
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1126.295+/-336.099 χ^2/NDF: 43.0/39

All: -450.017+/-239.021 χ^2/NDF: 137.0/81

- sign -2063.017+/-339.988 χ^2/NDF: 49.5/41

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

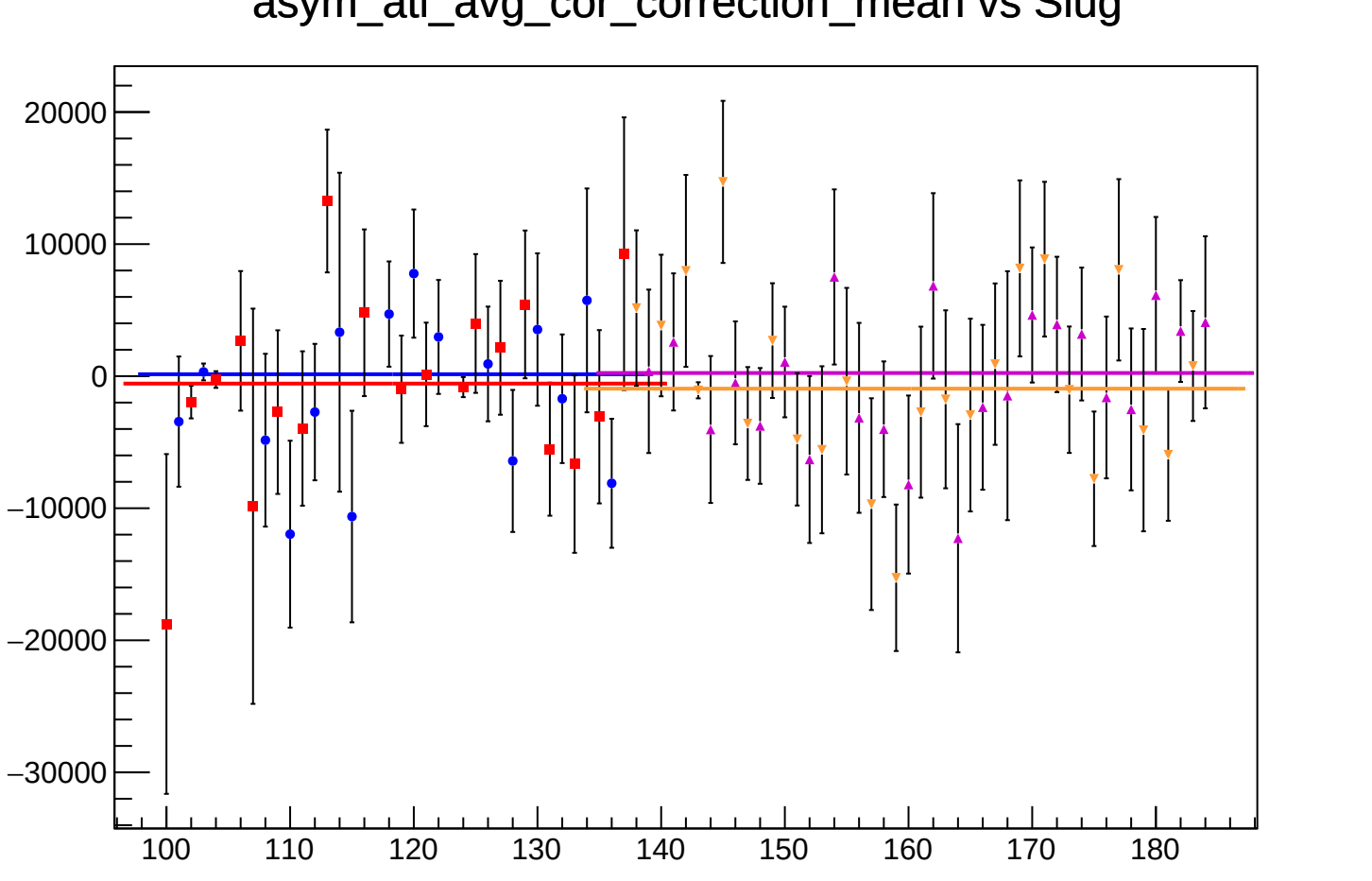
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1714.962+/-0.238 χ^2/NDF: 596759.1/39

All: 1714.904+/-0.169 χ^2/NDF: 1111098.2/81

- sign 1714.845+/-0.240 χ^2/NDF: 514339.0/41



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

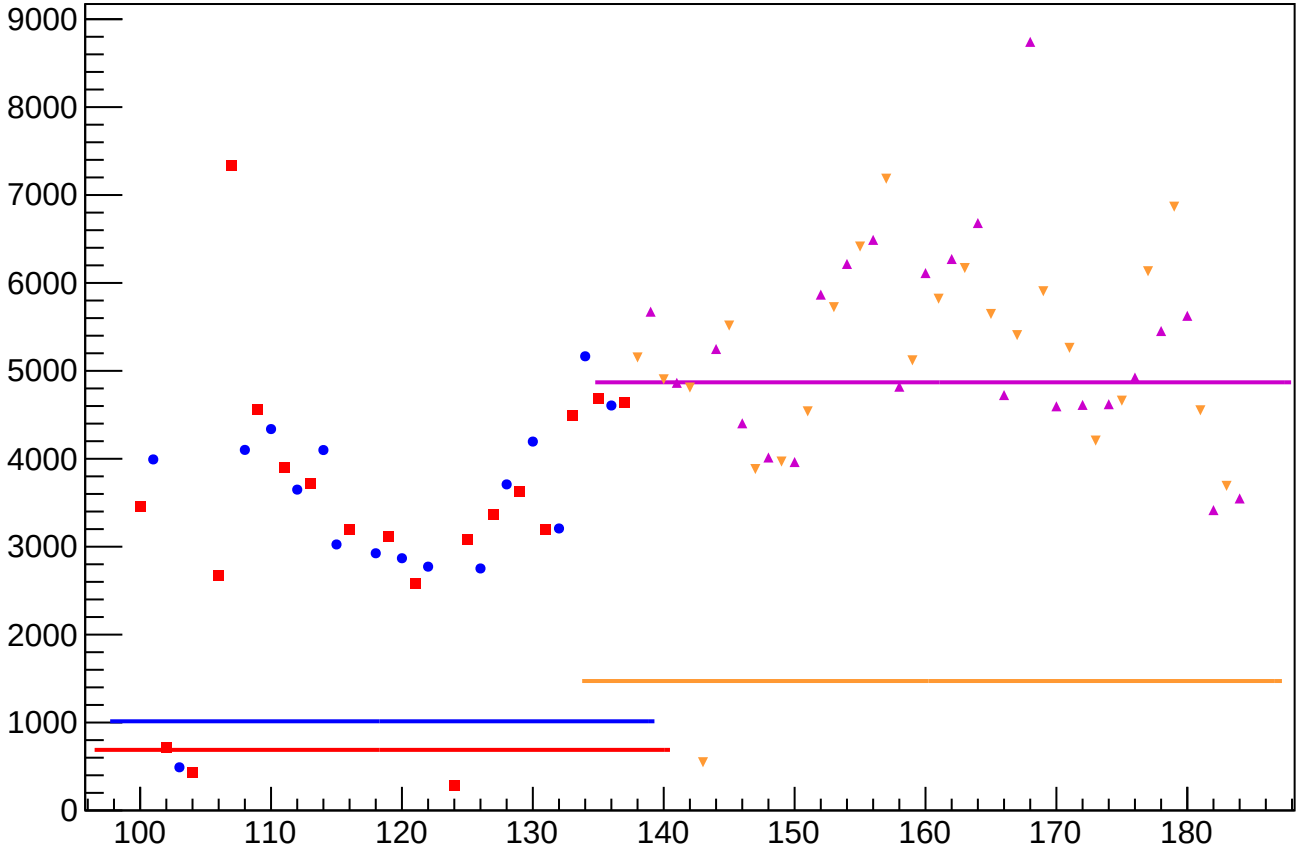
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -435.475+/-396.077 χ^2/NDF: 47.5/39

All: -450.039+/-282.799 χ^2/NDF: 78.6/81

\- sign -465.185+/-403.914 χ^2/NDF: 31.2/41

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

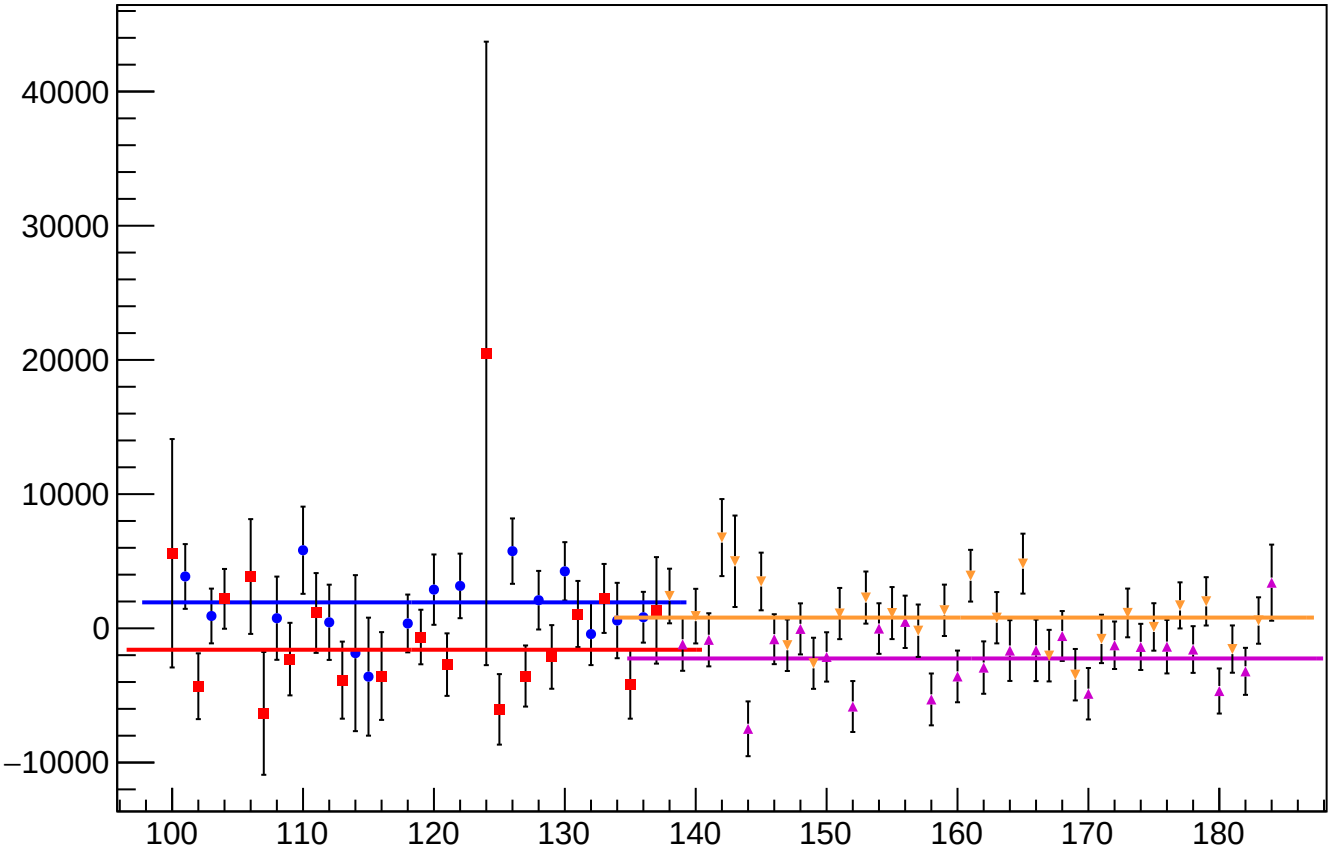
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1258.084+/-0.280 χ^2/NDF: 31926188.2/39

All: 1225.470+/-0.200 χ^2/NDF: 64996221.9/8

- sign 1191.553+/-0.286 χ^2/NDF: 33042371.3/41

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

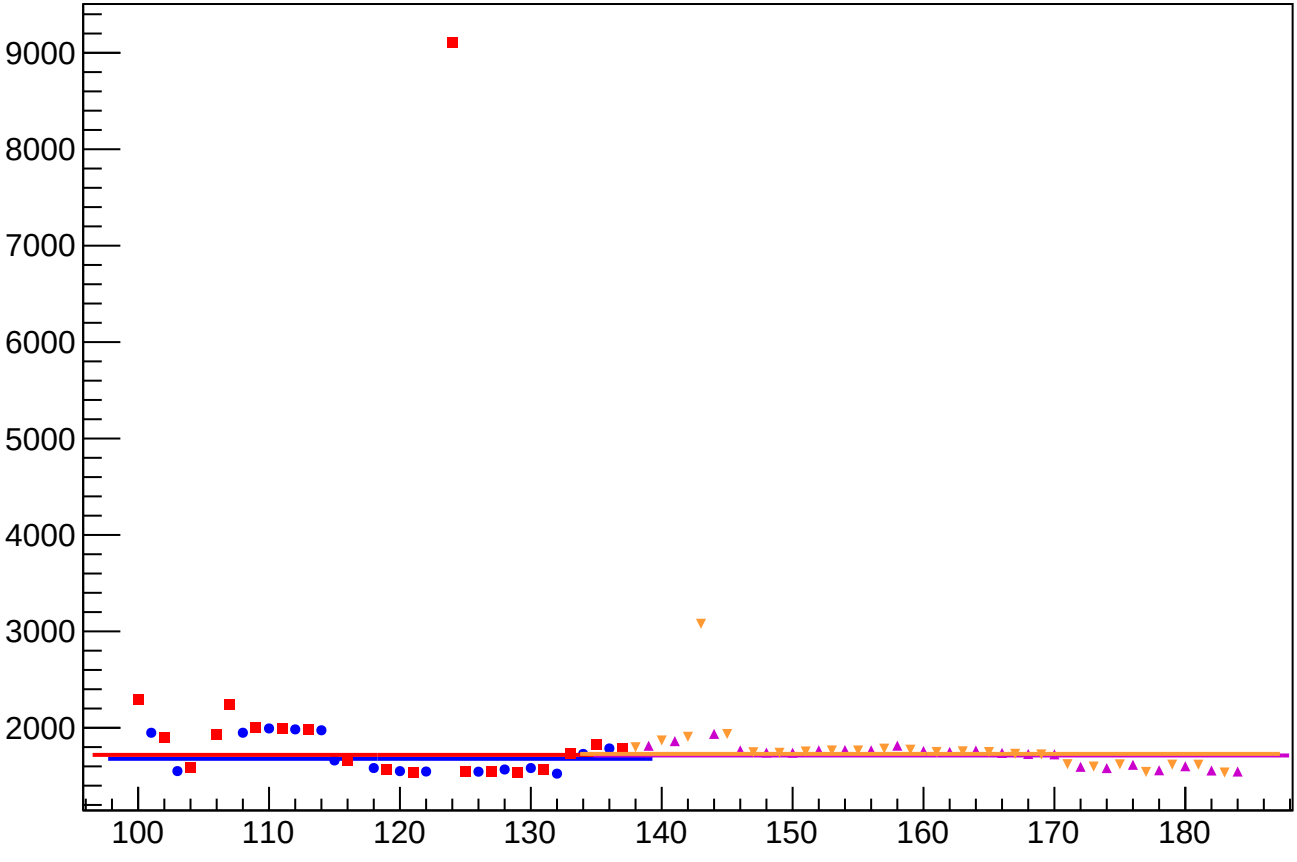
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1126.295+/-336.099 χ^2/NDF: 43.0/39

All: -450.017+/-239.021 χ^2/NDF: 137.0/81

- sign -2063.017+/-339.988 χ^2/NDF: 49.5/41

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

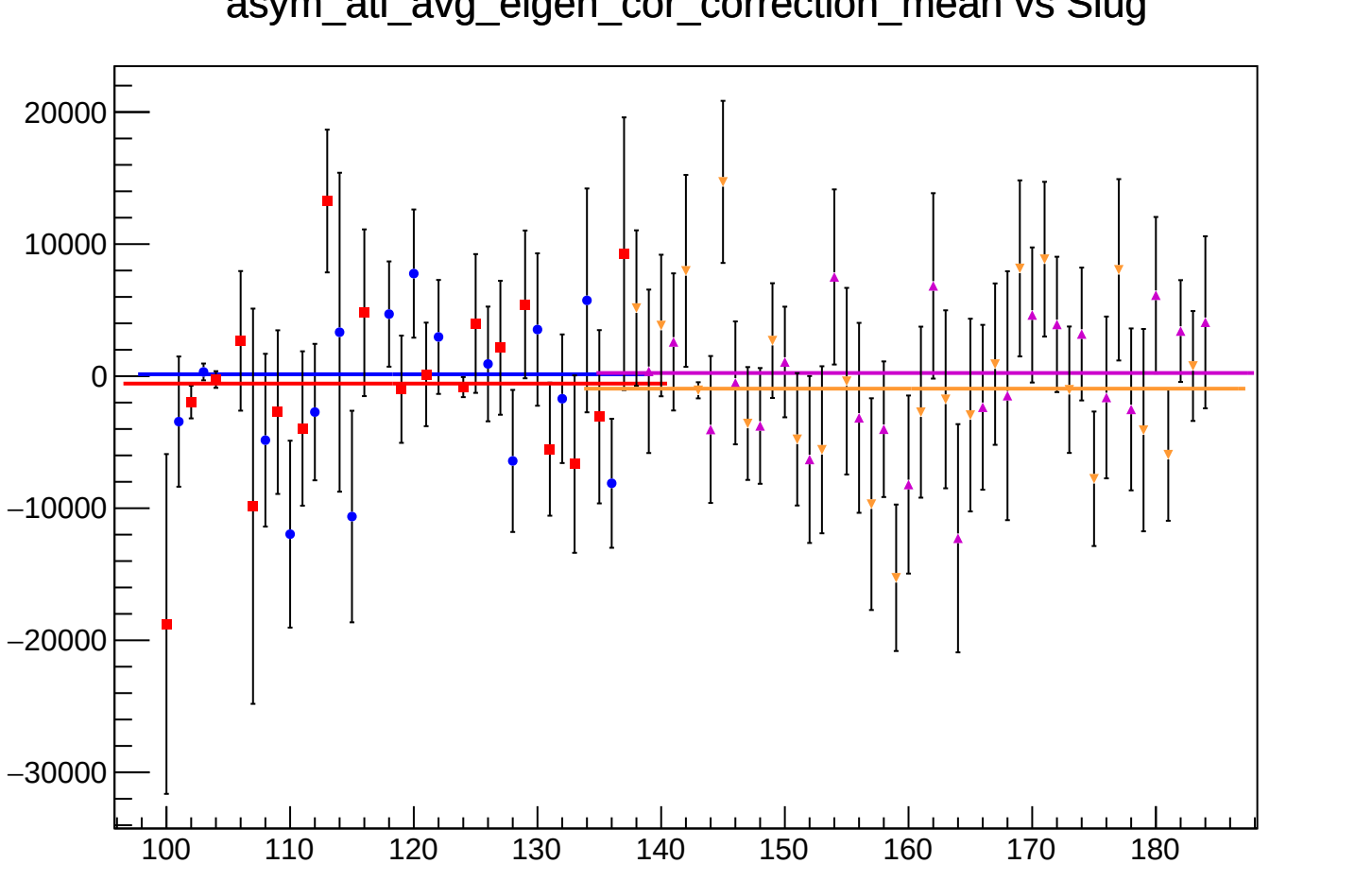
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1714.962+/-0.238 χ^2/NDF: 596759.1/39

All: 1714.904+/-0.169 χ^2/NDF: 1111098.2/81

- sign 1714.845+/-0.240 χ^2/NDF: 514339.0/41



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -946.205+/-542.714 χ^2/NDF:29.8/23

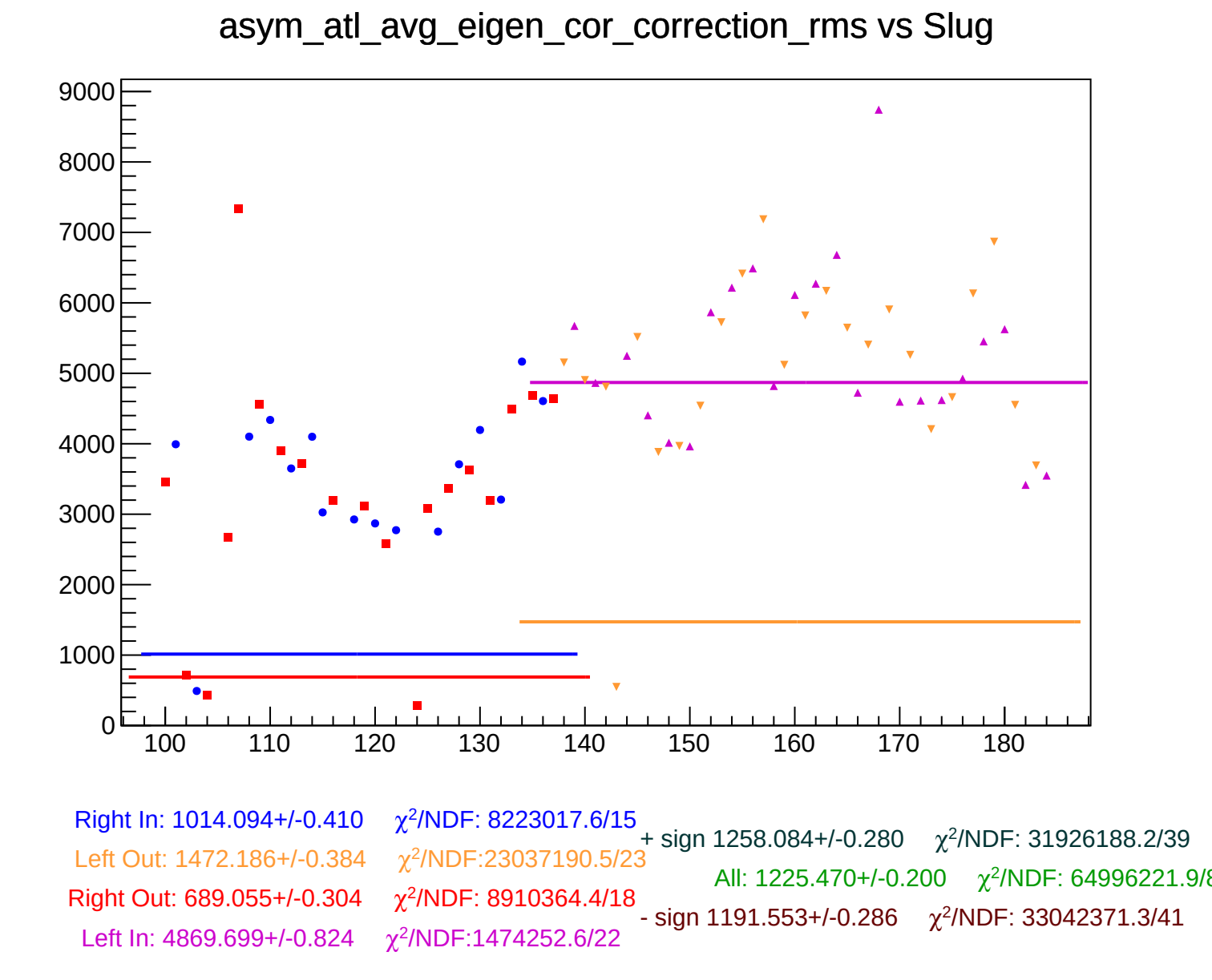
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

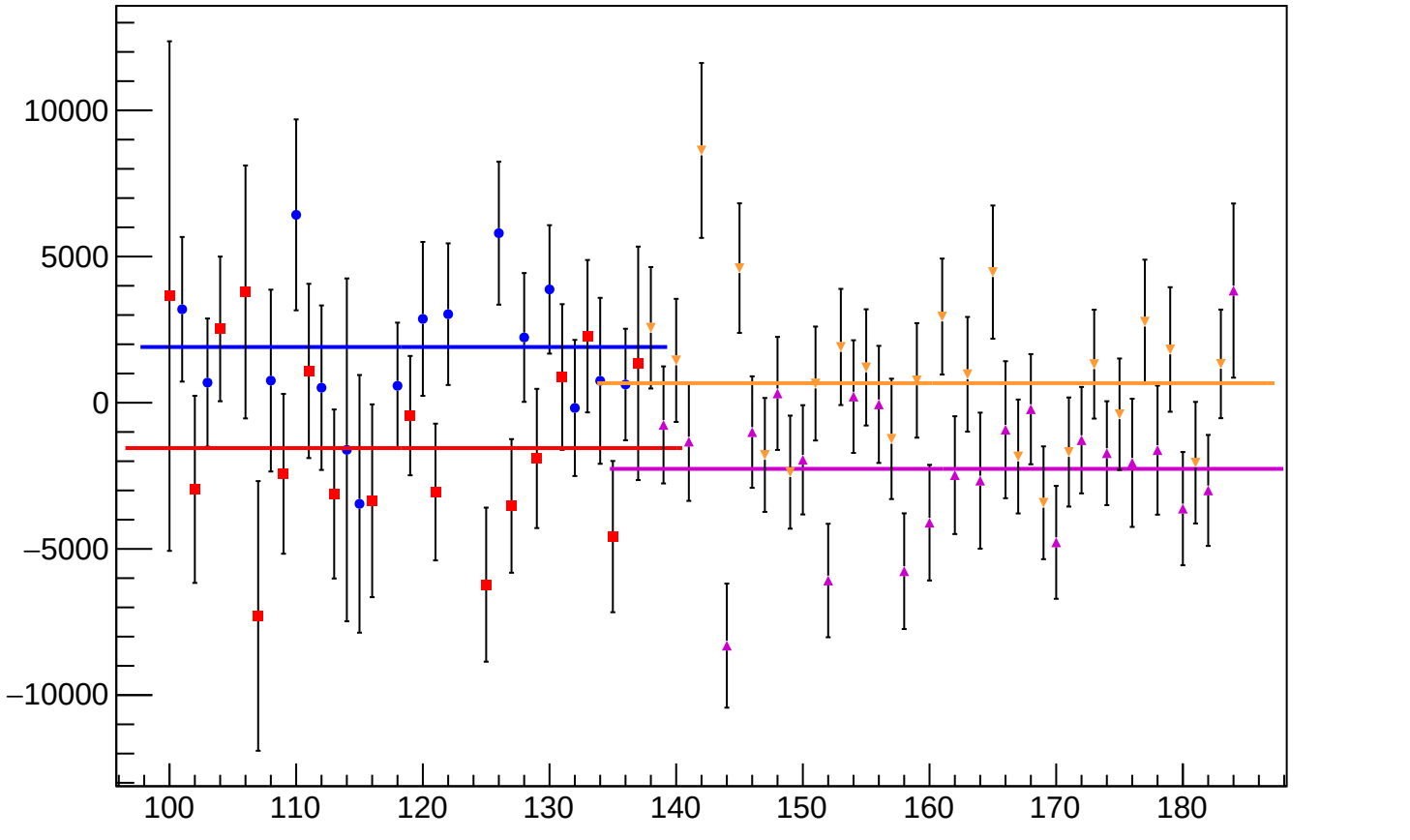
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -435.475+/-396.077 χ^2/NDF: 47.5/39

All: -450.039+/-282.799 χ^2/NDF: 78.6/81

\- sign -465.185+/-403.914 χ^2/NDF: 31.2/41


asym_atl_avg_eigen_cor_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 1014.094+/-0.410 χ²/NDF: 8223017.6/15
Left Out: 1472.186+/-0.384 χ²/NDF:23037190.5/23
Right Out: 689.055+/-0.304 χ²/NDF: 8910364.4/18
Left In: 4869.699+/-0.824 χ²/NDF:1474252.6/22
+ sign 1258.084+/-0.280 χ²/NDF: 31926188.2/39
All: 1225.470+/-0.200 χ²/NDF: 64996221.9/8
- sign 1191.553+/-0.286 χ²/NDF: 33042371.3/41



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

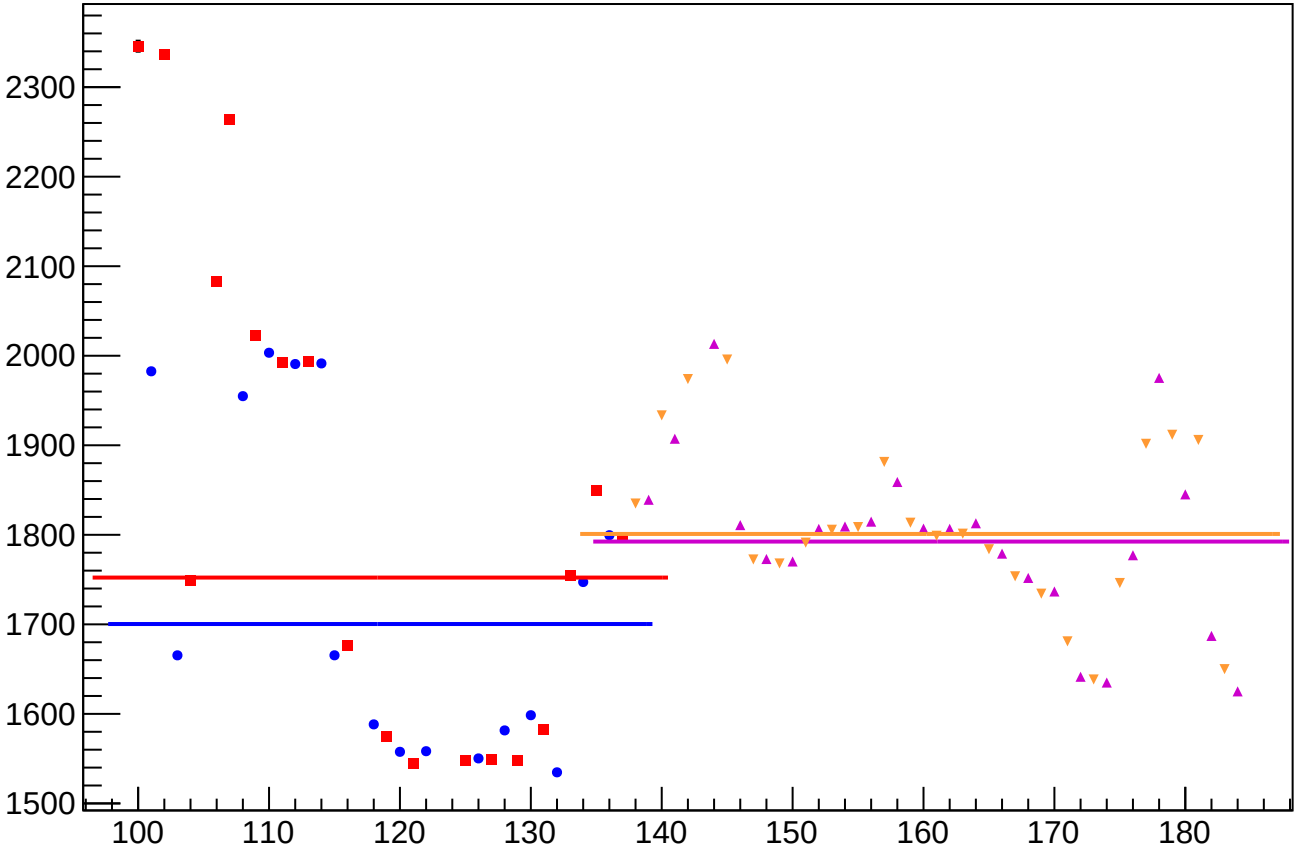
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1046.730+/-351.530 χ^2/NDF: 44.9/38

All: -494.711+/-249.440 χ^2/NDF: 132.3/79

- sign -2057.931+/-354.005 χ^2/NDF: 48.7/40

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

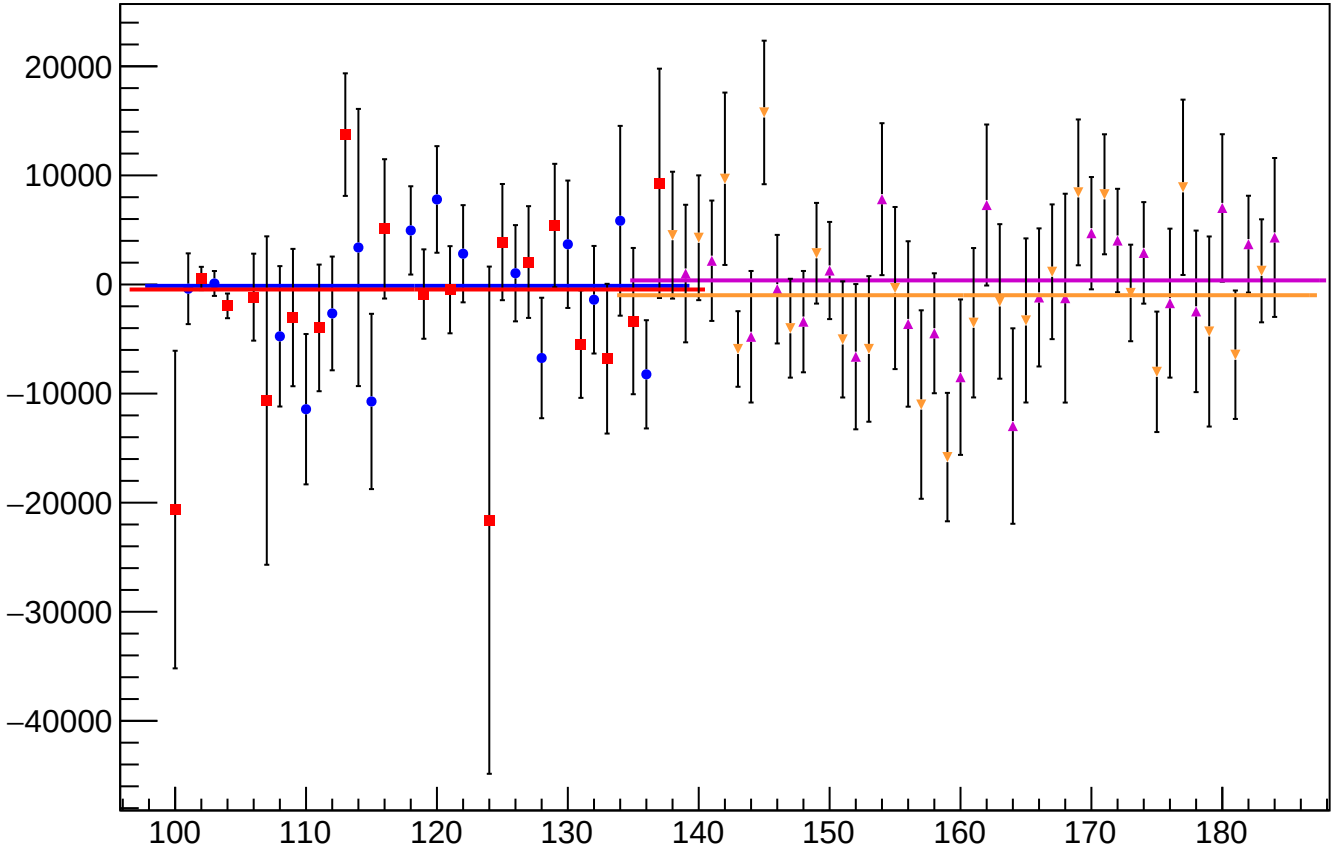
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1770.270+/-0.249 χ^2/NDF: 262054.0/38

All: 1775.542+/-0.176 χ^2/NDF: 609082.7/79

- sign 1780.881+/-0.250 χ^2/NDF: 346123.4/40

asym_atl_avg_dit_correction_mean vs Slug



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

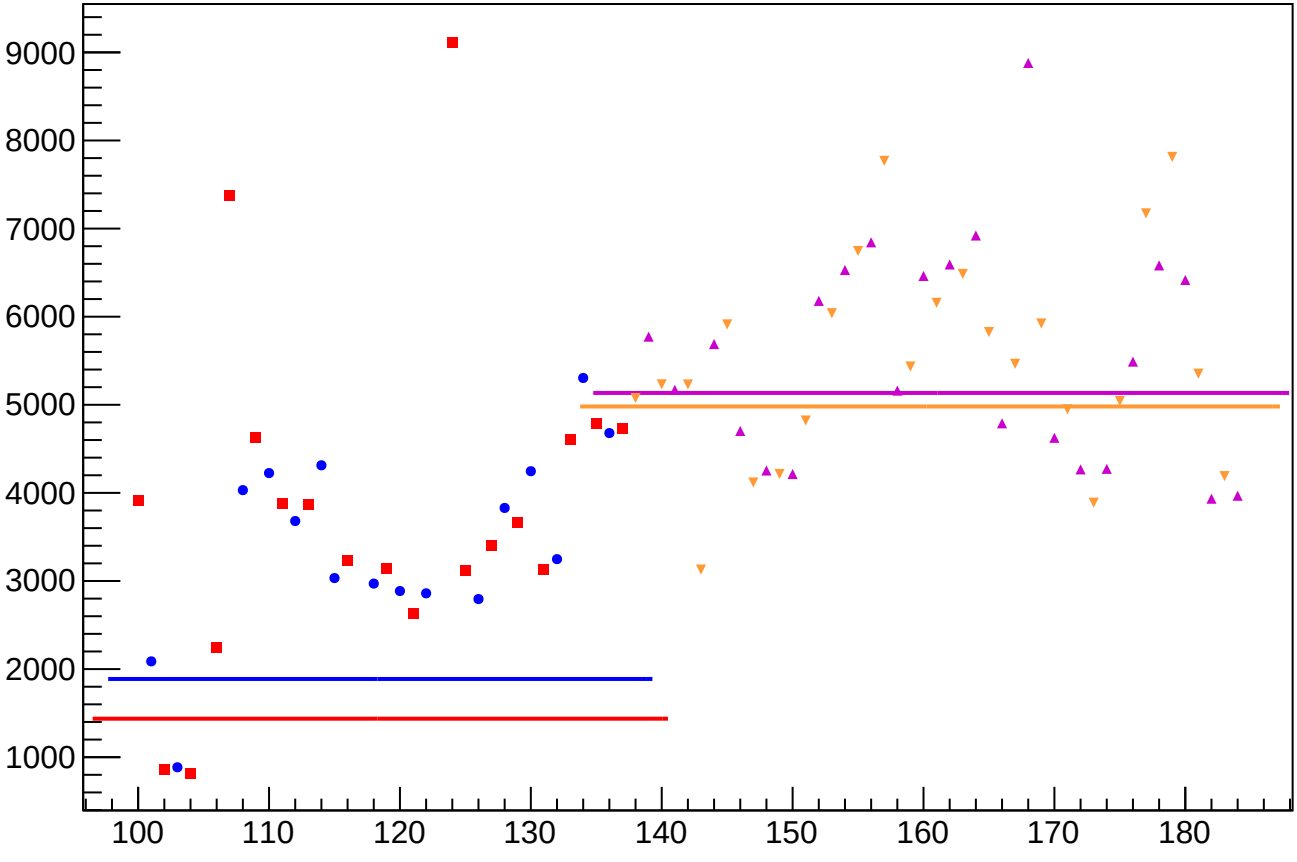
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -428.081+/-698.159 χ^2/NDF: 47.0/39

All: -333.052+/-452.587 χ^2/NDF: 79.2/81

- sign -264.170+/-594.398 χ^2/NDF: 32.1/41

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

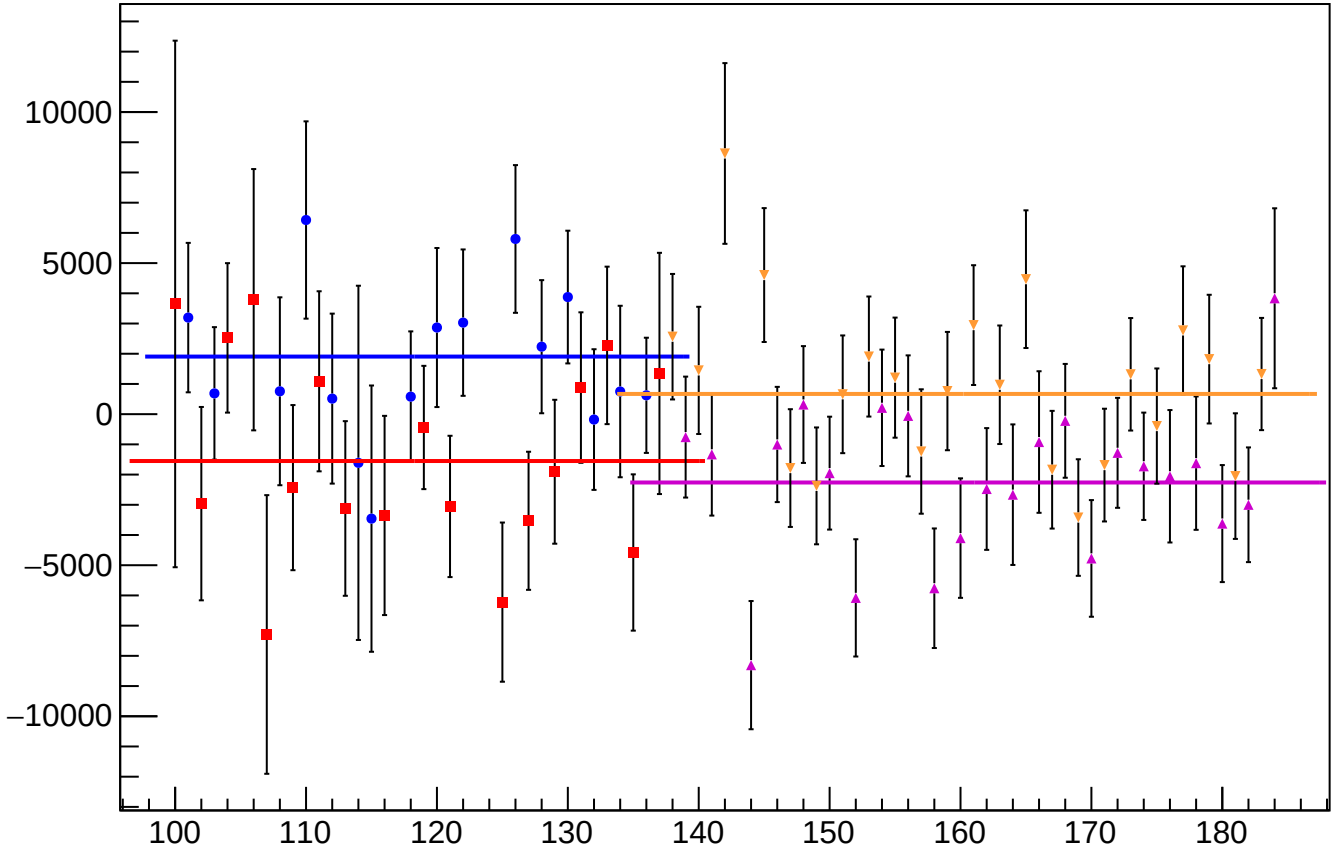
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 2978.284+/-0.494 χ^2/NDF: 15287686.4/39

All: 2586.420+/-0.320 χ^2/NDF: 37697480.7/8

- sign 2302.379+/-0.420 χ^2/NDF: 21323014.2/41

eigen_dit_asym_atl_avg_mean vs Slug



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

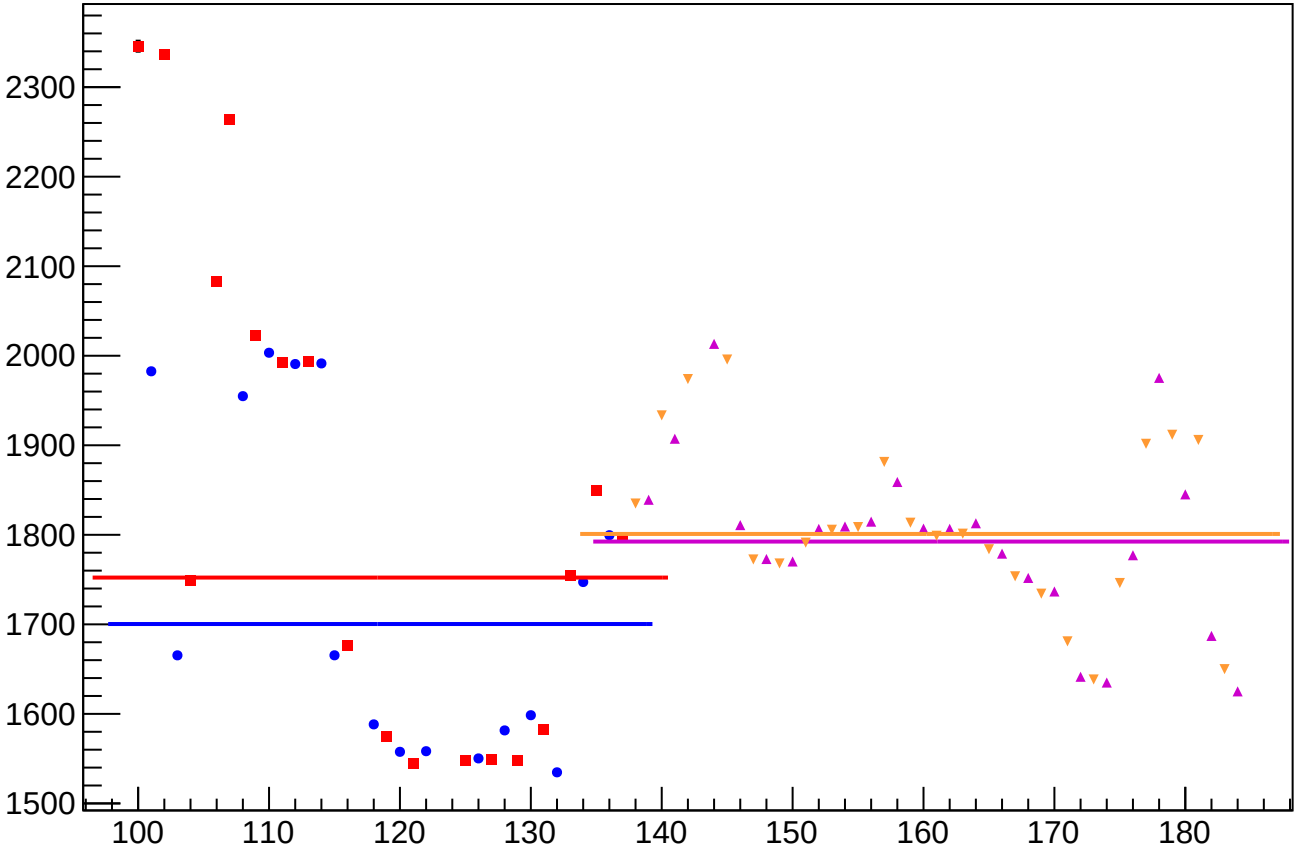
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1046.727+/-351.531 χ^2/NDF: 44.9/38

All: -494.712+/-249.440 χ^2/NDF: 132.3/79

- sign -2057.930+/-354.005 χ^2/NDF: 48.7/40

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

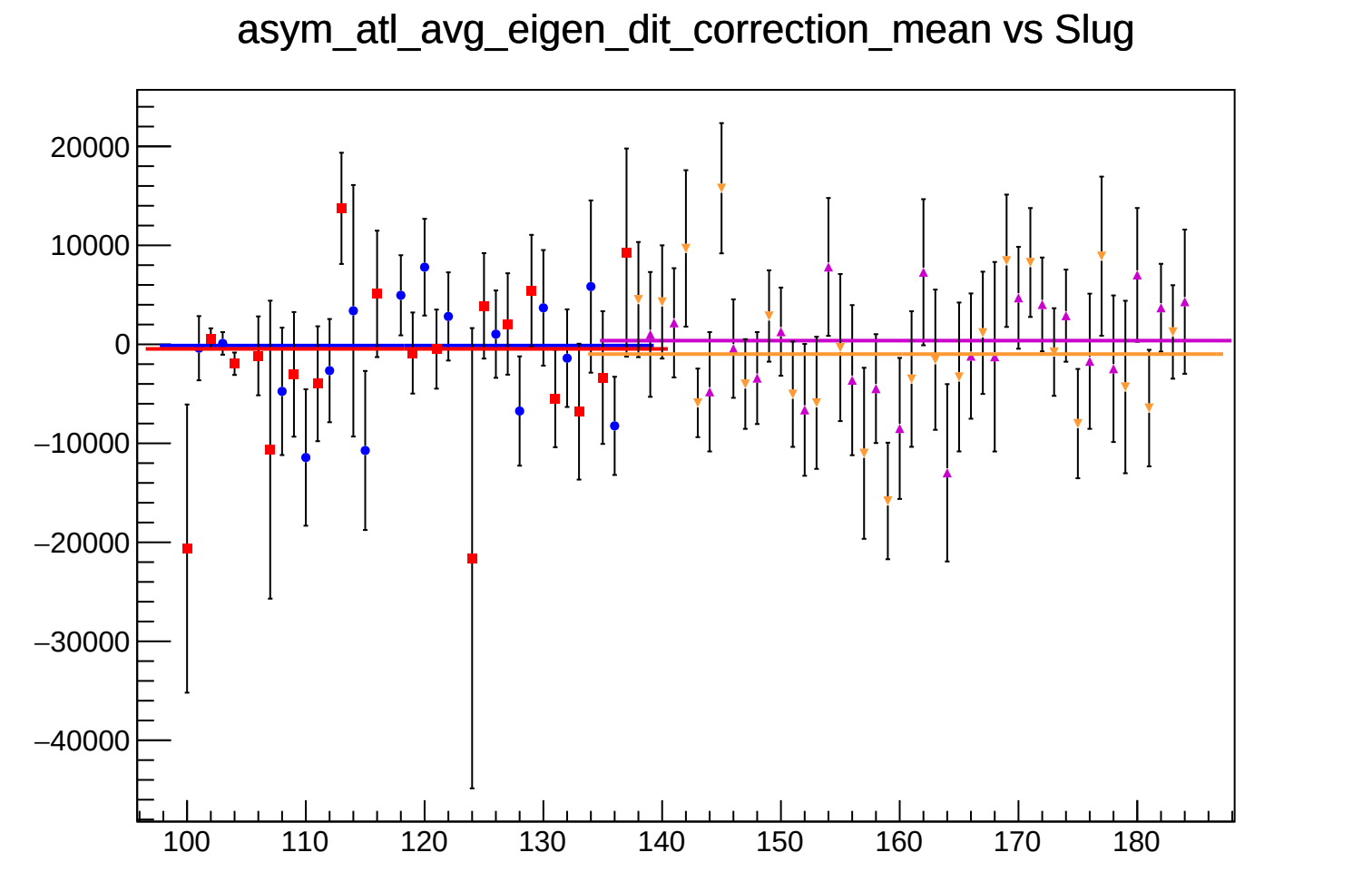
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1770.271+/-0.249 χ^2/NDF: 262058.8/38

All: 1775.542+/-0.176 χ^2/NDF: 609090.9/79

- sign 1780.882+/-0.250 χ^2/NDF: 346126.7/40



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

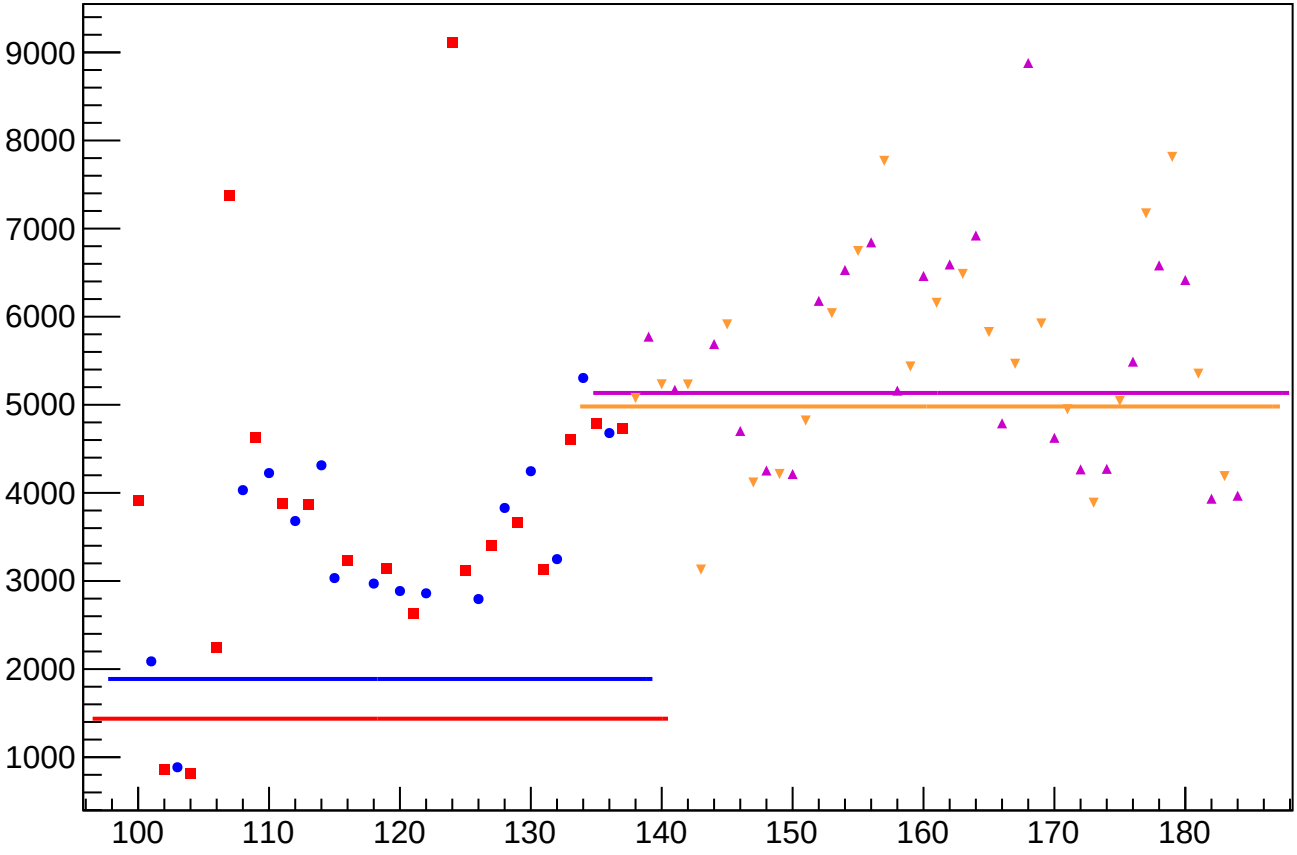
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -428.077+/-698.157 χ^2/NDF: 47.0/39

All: -333.051+/-452.585 χ^2/NDF: 79.2/81

- sign -264.171+/-594.395 χ^2/NDF: 32.1/41

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

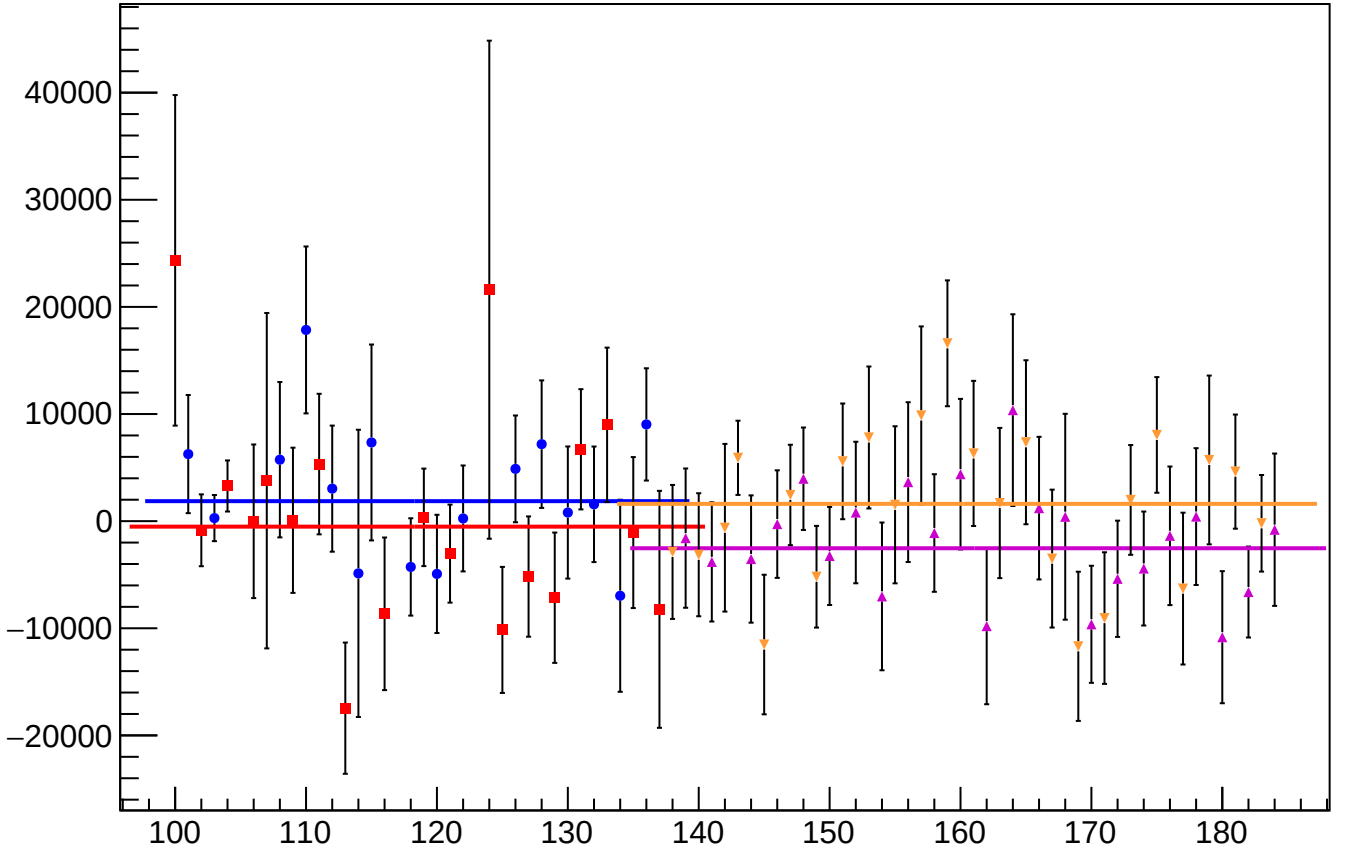
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 2978.264+/-0.494 χ^2/NDF: 15287890.5/39

All: 2586.399+/-0.320 χ^2/NDF: 37697911.7/8

- sign 2302.359+/-0.420 χ^2/NDF: 21323228.5/41

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

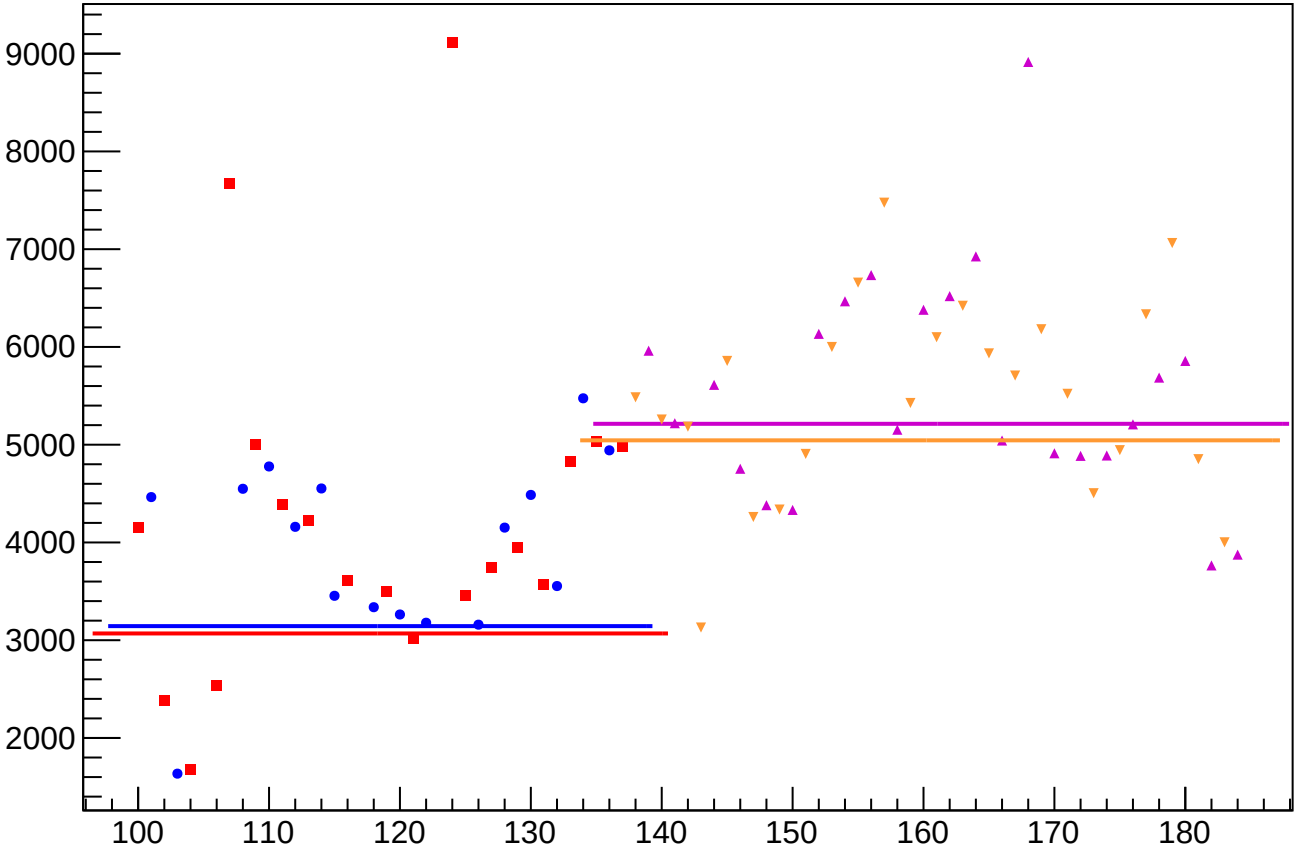
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1733.257+/-863.160 χ^2/NDF: 43.5/39

All: 134.192+/-615.550 χ^2/NDF: 89.6/81

- sign -1520.587+/-878.069 χ^2/NDF: 39.2/41

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

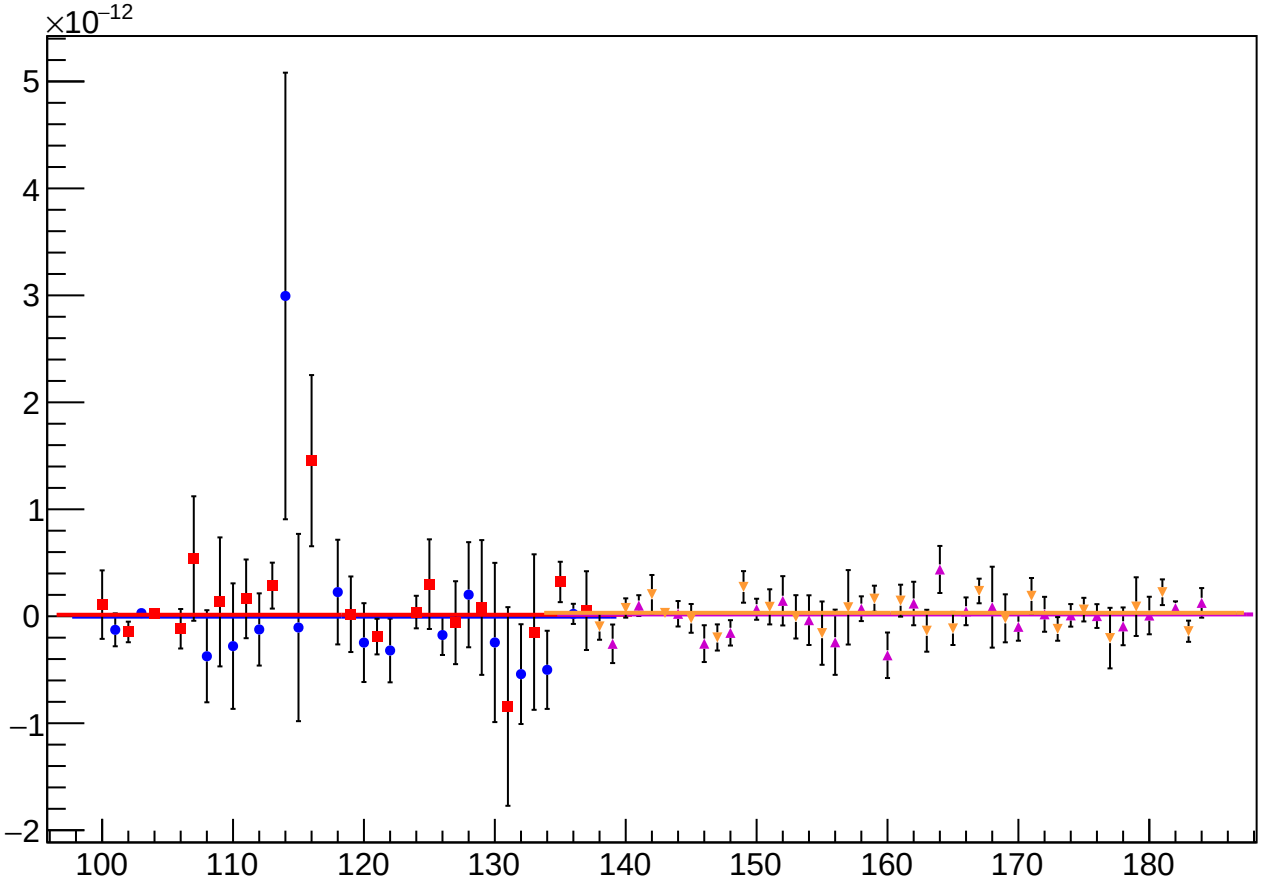
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4151.564+/-0.610 χ^2/NDF: 5942815.4/39

All: 4137.943+/-0.434 χ^2/NDF: 12077940.2/8

- sign 4124.070+/-0.616 χ^2/NDF: 6134119.5/41

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

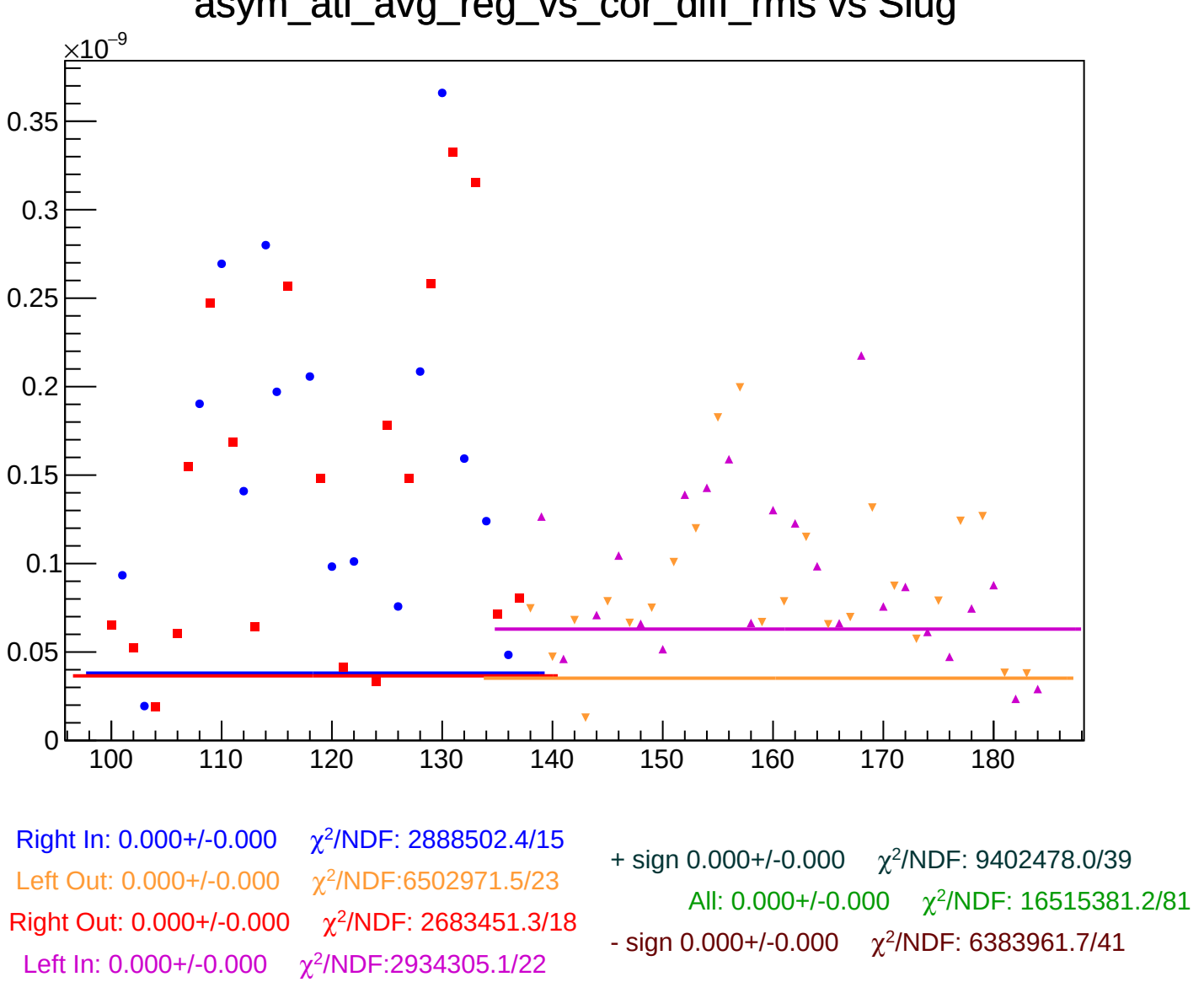
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

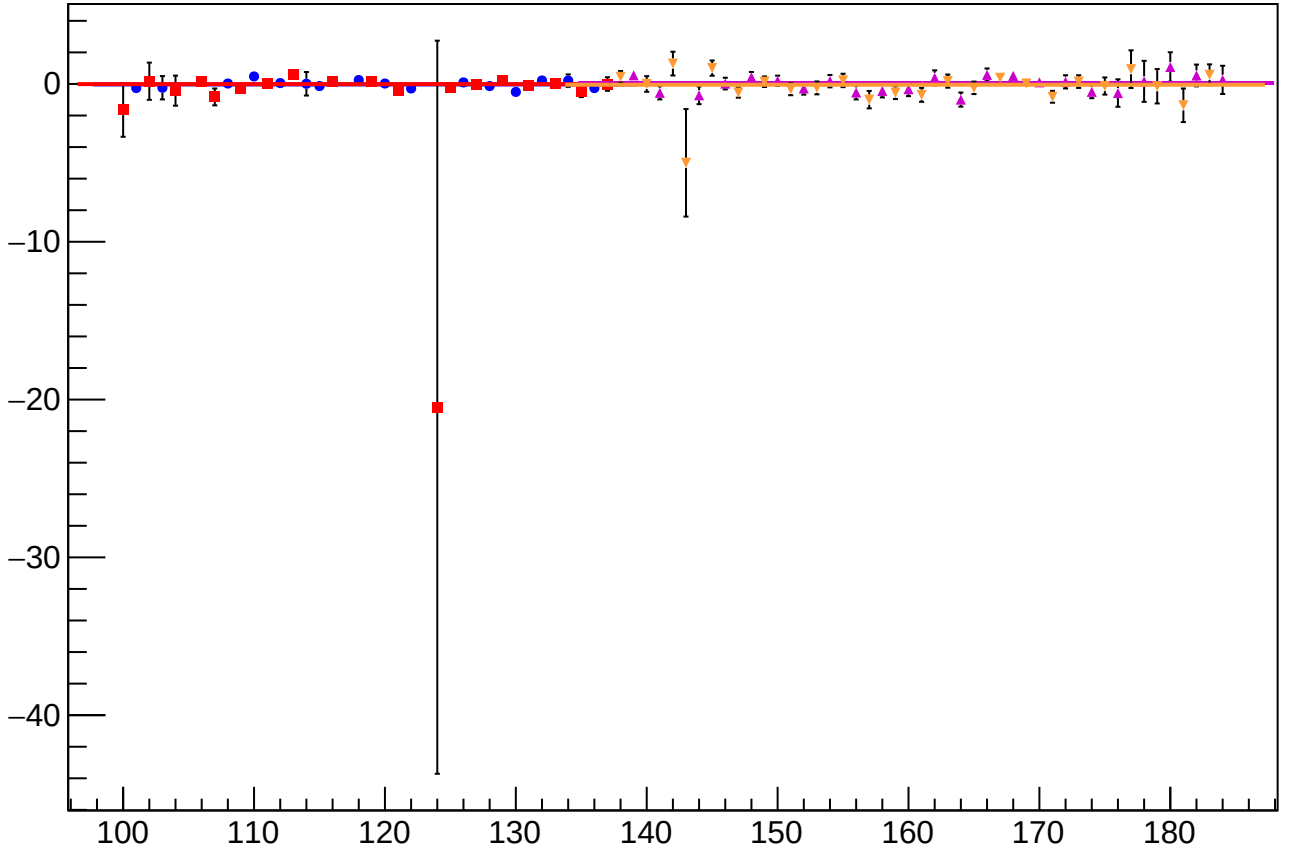
+ sign 0.000+/-0.000 χ^2/NDF: 36.4/39

All: 0.000+/-0.000 χ^2/NDF: 70.6/81

- sign 0.000+/-0.000 χ^2/NDF: 34.1/41


asym_atl_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: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6502971.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 9402478.0/39
All: 0.000+/-0.000 χ²/NDF: 16515381.2/81
- sign 0.000+/-0.000 χ²/NDF: 6383961.7/41

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

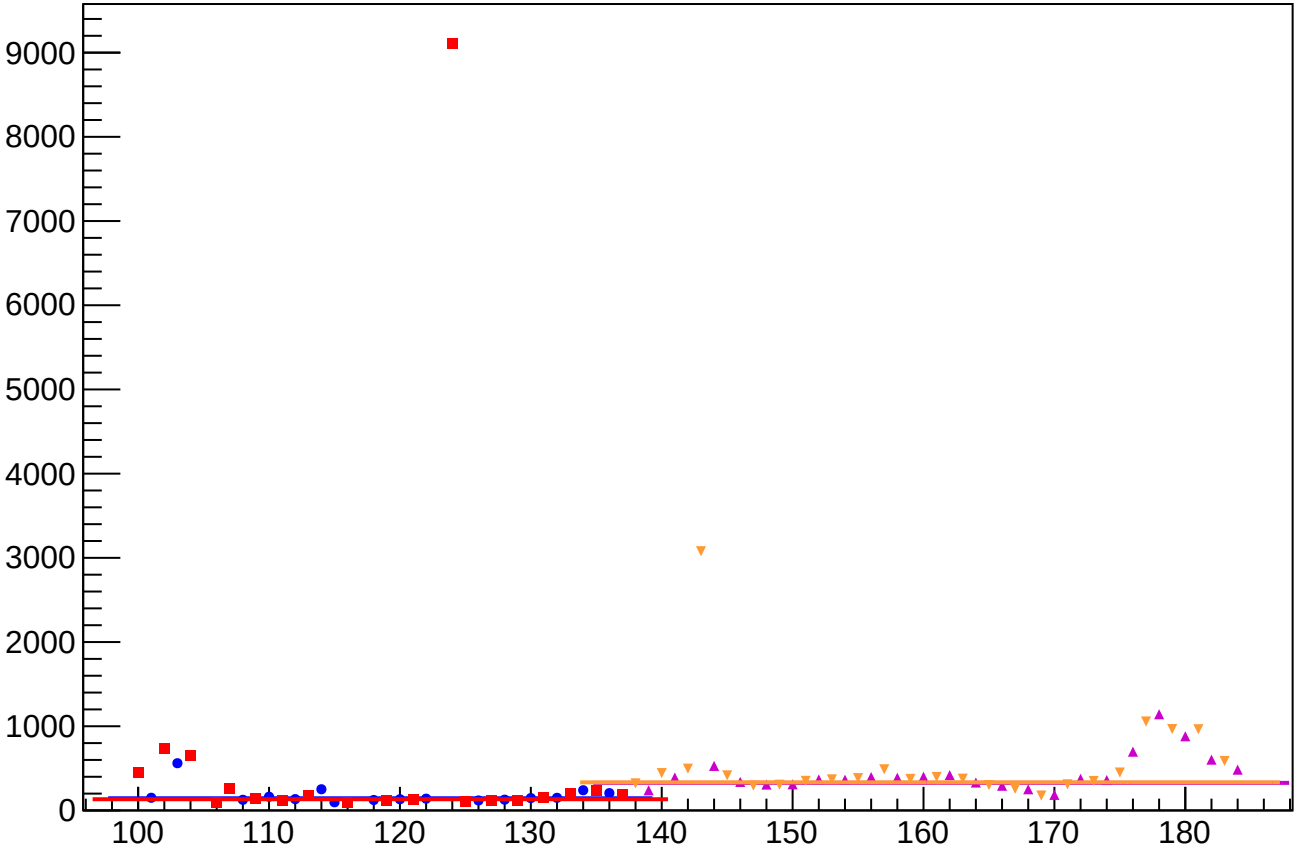
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.035+/-0.048 χ^2/NDF: 49.9/39

All: -0.011+/-0.033 χ^2/NDF: 100.8/81

- sign 0.013+/-0.047 χ^2/NDF: 50.3/41

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

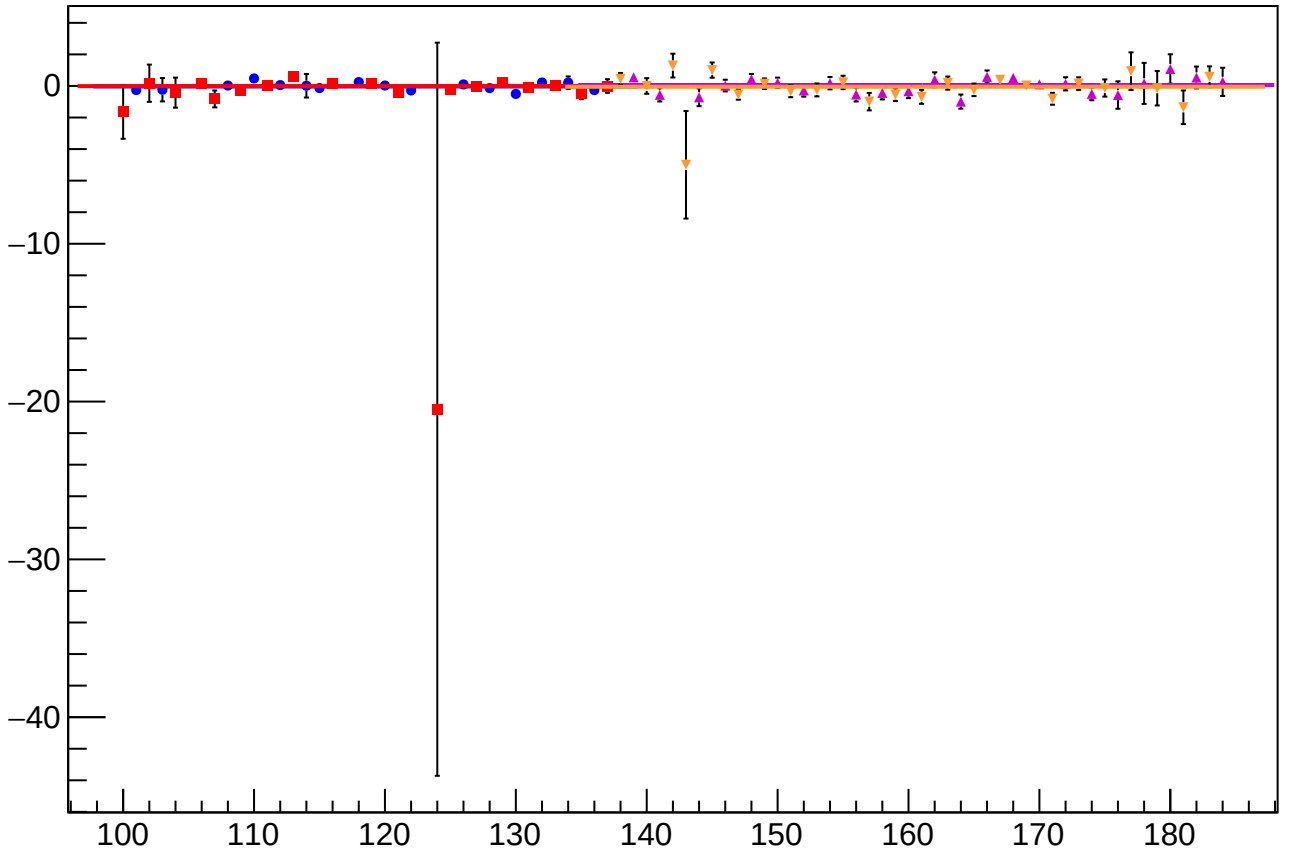
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 204.390+/-0.034 χ^2/NDF: 13716872.1/39

All: 199.618+/-0.024 χ^2/NDF: 27651918.5/81

- sign 195.067+/-0.033 χ^2/NDF: 13896086.1/41



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

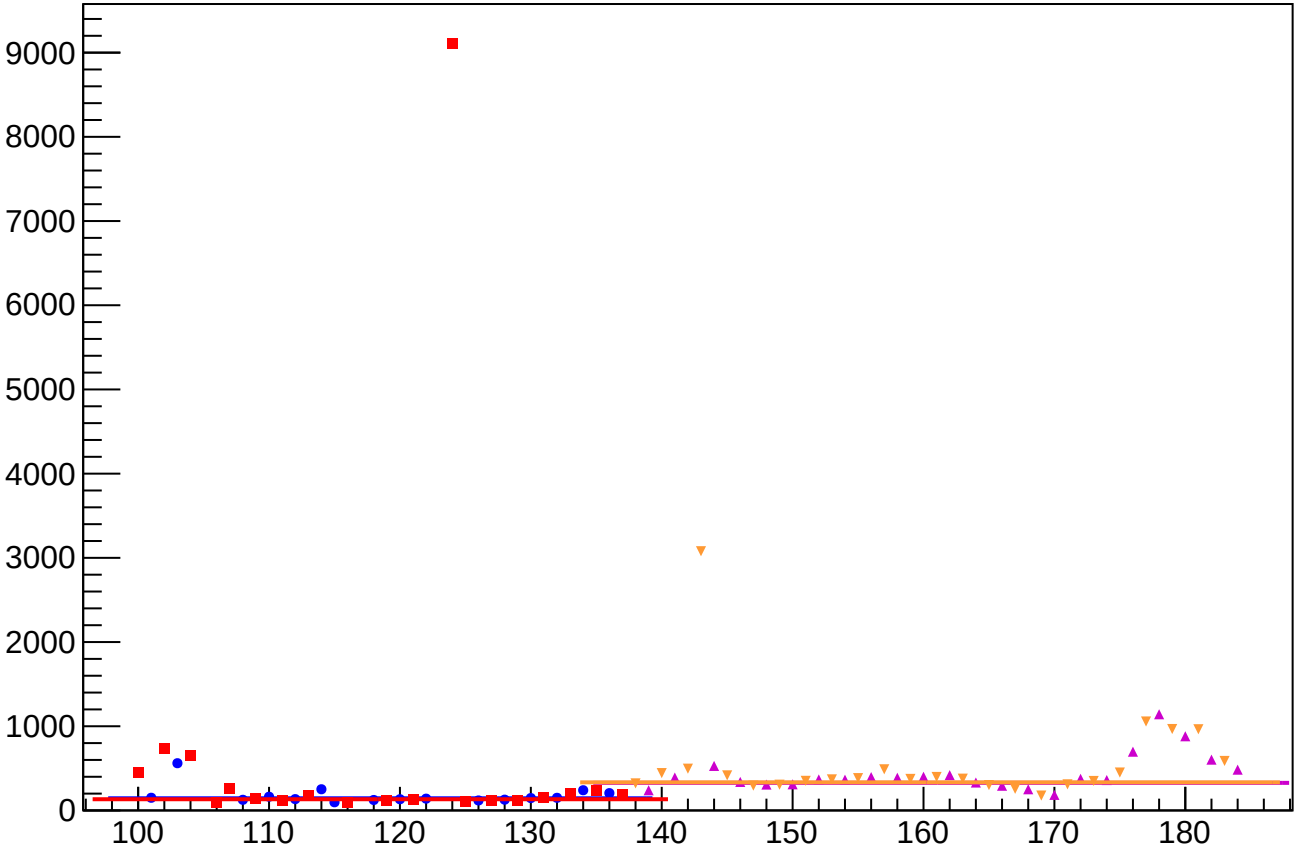
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.035+/-0.048 χ^2/NDF: 49.9/39

All: -0.011+/-0.033 χ^2/NDF: 100.8/81

- sign 0.013+/-0.047 χ^2/NDF: 50.3/41

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

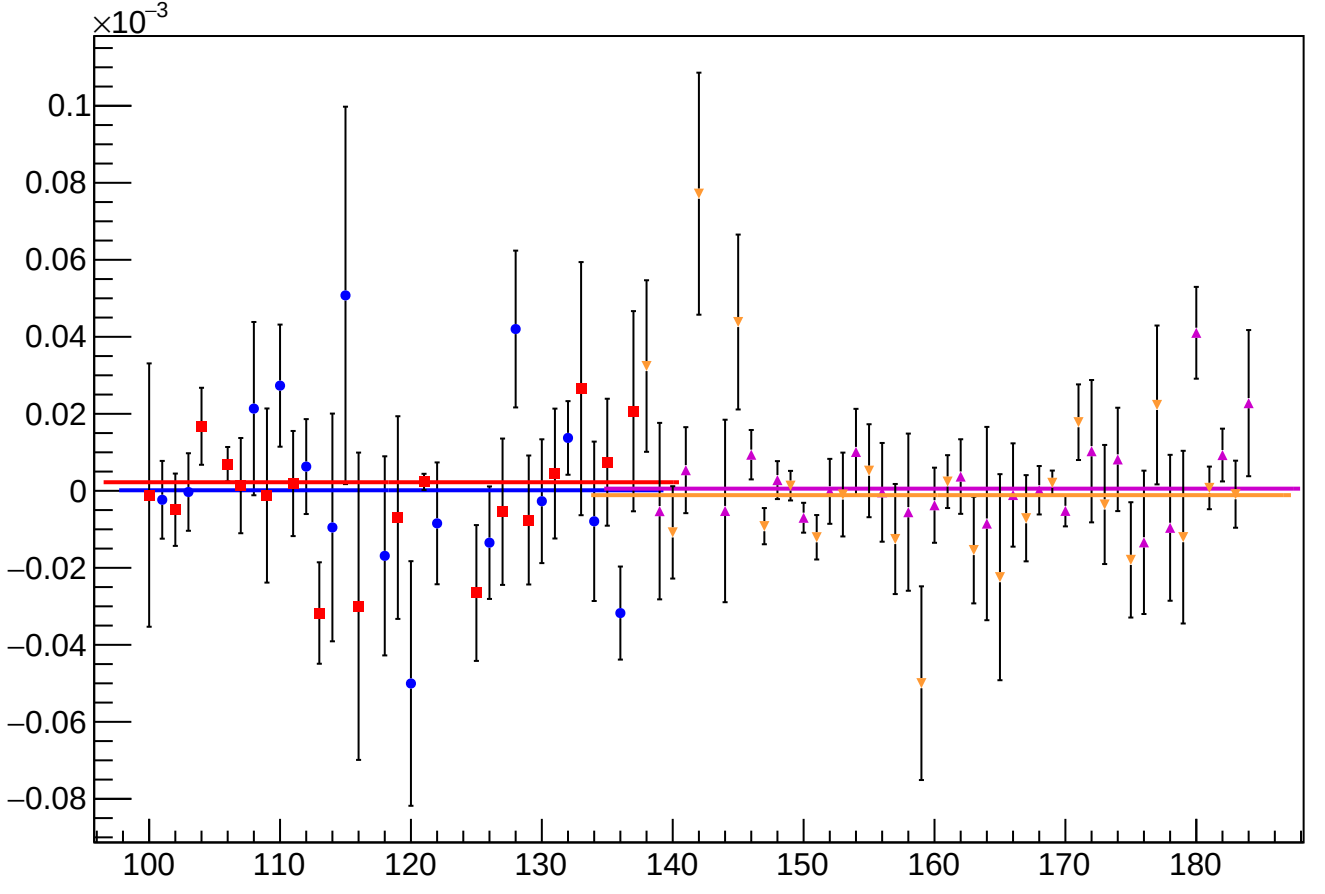
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 204.390+/-0.034 χ^2/NDF: 13716872.1/39

All: 199.618+/-0.024 χ^2/NDF: 27651918.5/81

- sign 195.067+/-0.033 χ^2/NDF: 13896086.1/41



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

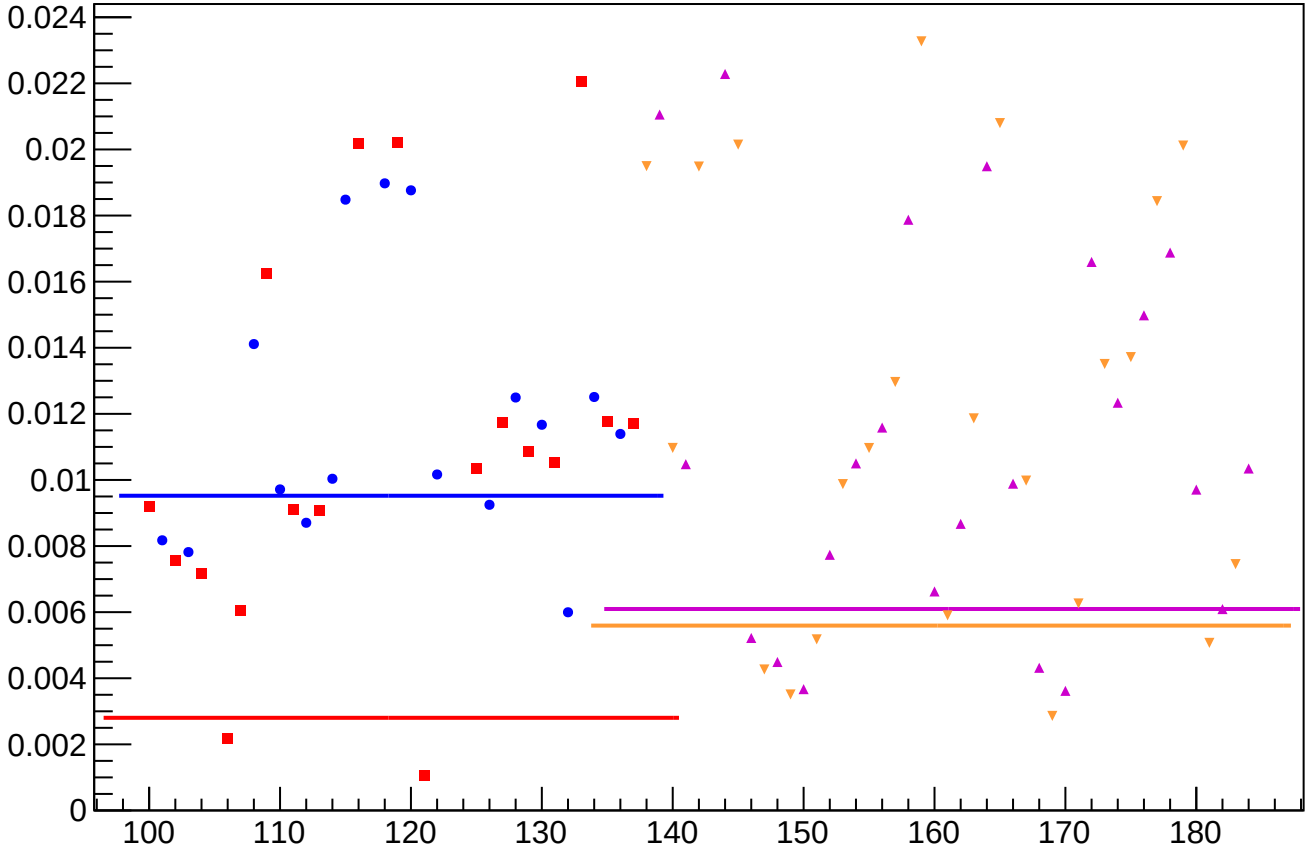
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/38

All: 0.000+/-0.000 χ^2/NDF: 100.5/79

- sign 0.000+/-0.000 χ^2/NDF: 41.5/40

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

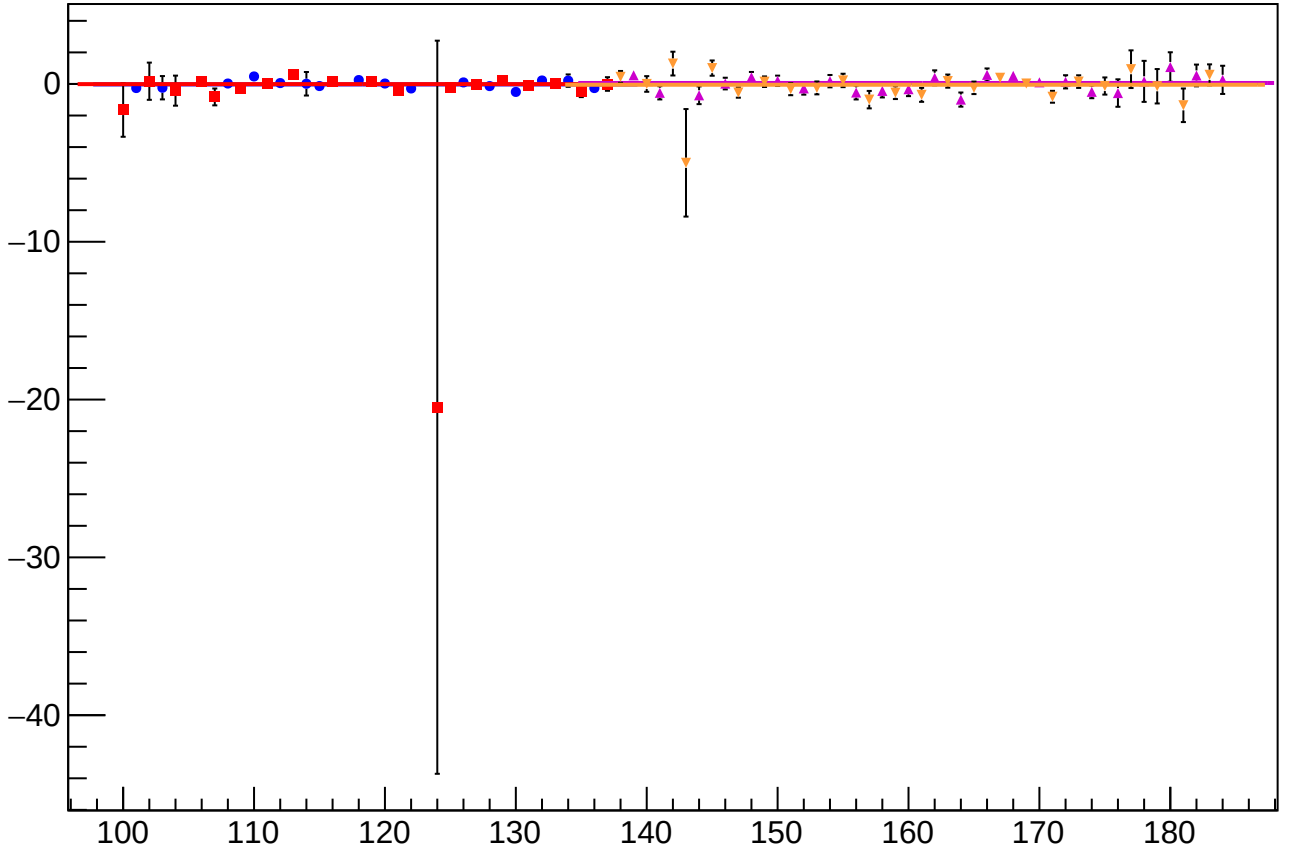
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 14044506.8/38

All: 0.005+/-0.000 χ^2/NDF: 36756953.0/79

- sign 0.004+/-0.000 χ^2/NDF: 21013500.4/40

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

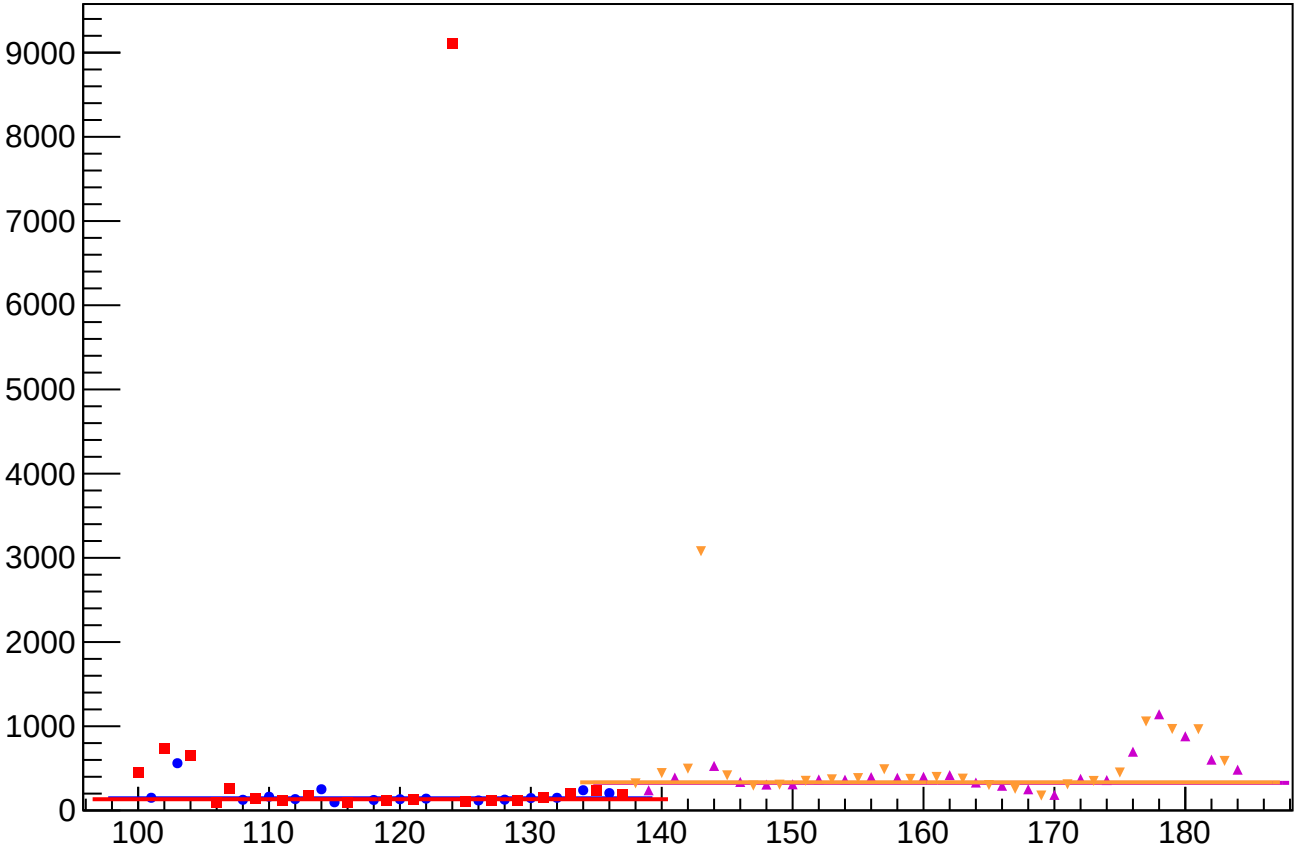
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.035+/-0.048 χ^2/NDF: 49.9/39

All: -0.011+/-0.033 χ^2/NDF: 100.8/81

- sign 0.013+/-0.047 χ^2/NDF: 50.3/41

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

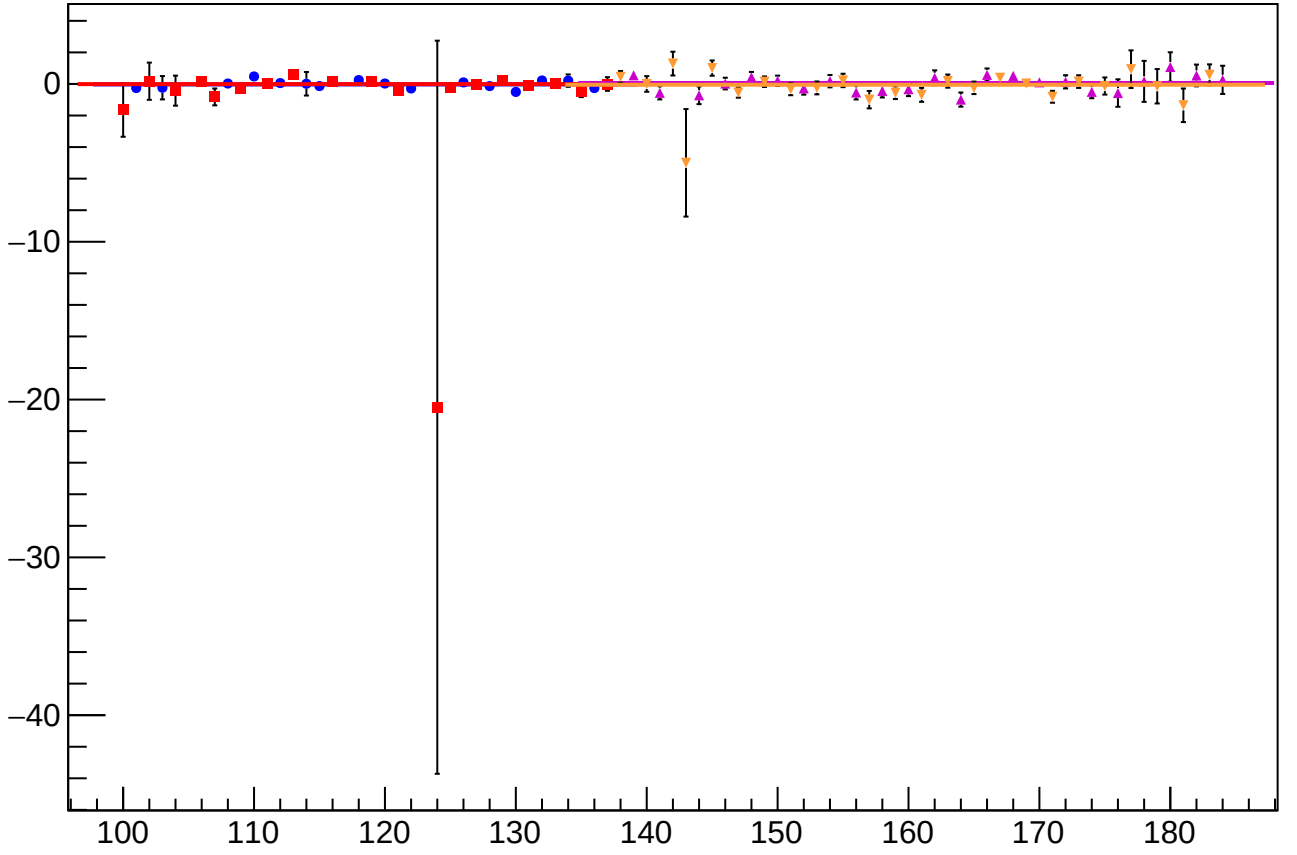
Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 204.388+/-0.034 χ^2/NDF: 13717189.1/39

All: 199.617+/-0.024 χ^2/NDF: 27652403.5/81

- sign 195.067+/-0.033 χ^2/NDF: 13896260.8/41

asym_atl_avg_eigen_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

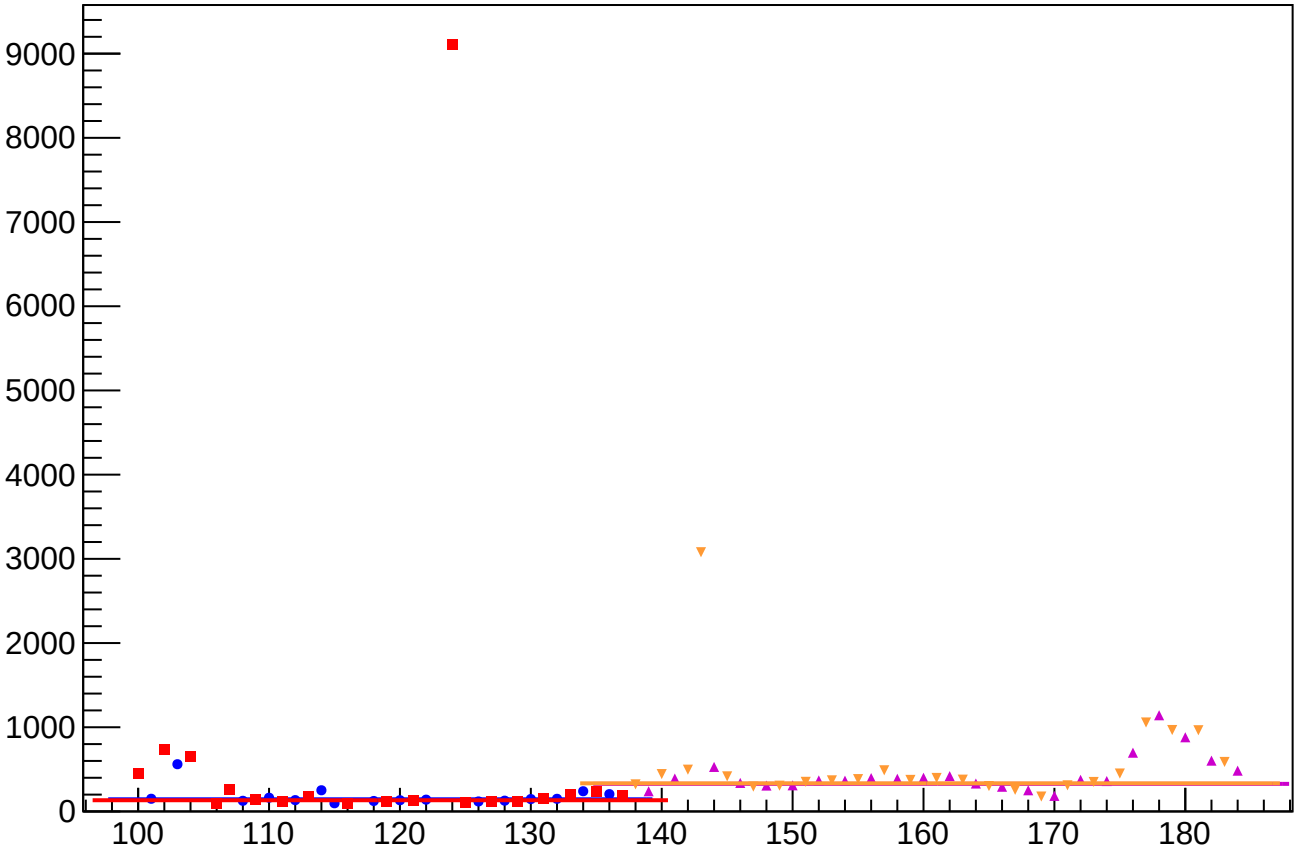
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.035+/-0.048 χ^2/NDF: 49.9/39

All: -0.011+/-0.033 χ^2/NDF: 100.8/81

- sign 0.013+/-0.047 χ^2/NDF: 50.3/41



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 333.853+/-0.060 χ^2/NDF:5774485.6/23

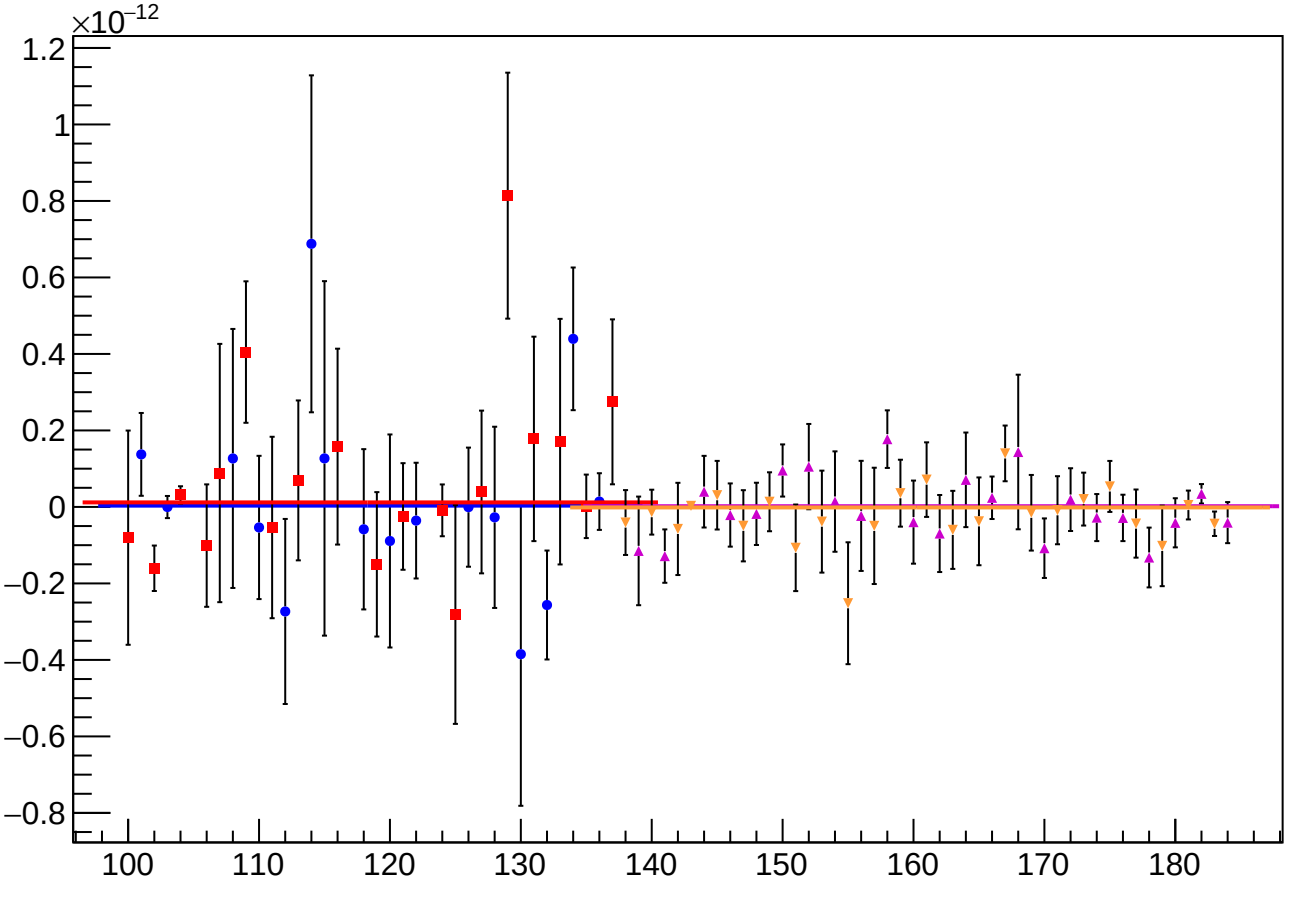
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 204.388+/-0.034 χ^2/NDF: 13717189.1/39

All: 199.617+/-0.024 χ^2/NDF: 27652403.5/81

- sign 195.067+/-0.033 χ^2/NDF: 13896260.8/41



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

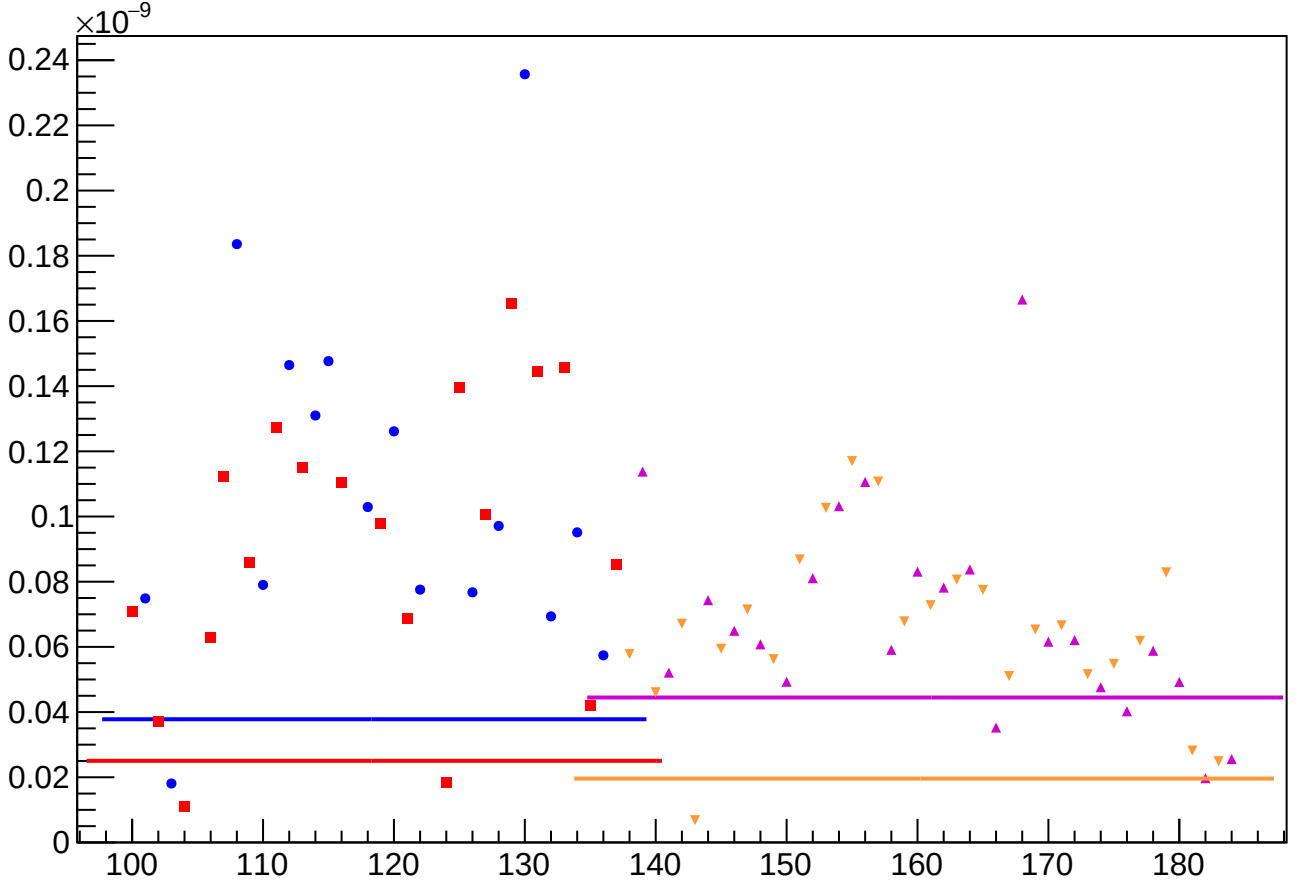
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/39

All: 0.000+/-0.000 χ^2/NDF: 76.9/81

- sign 0.000+/-0.000 χ^2/NDF: 47.8/41

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

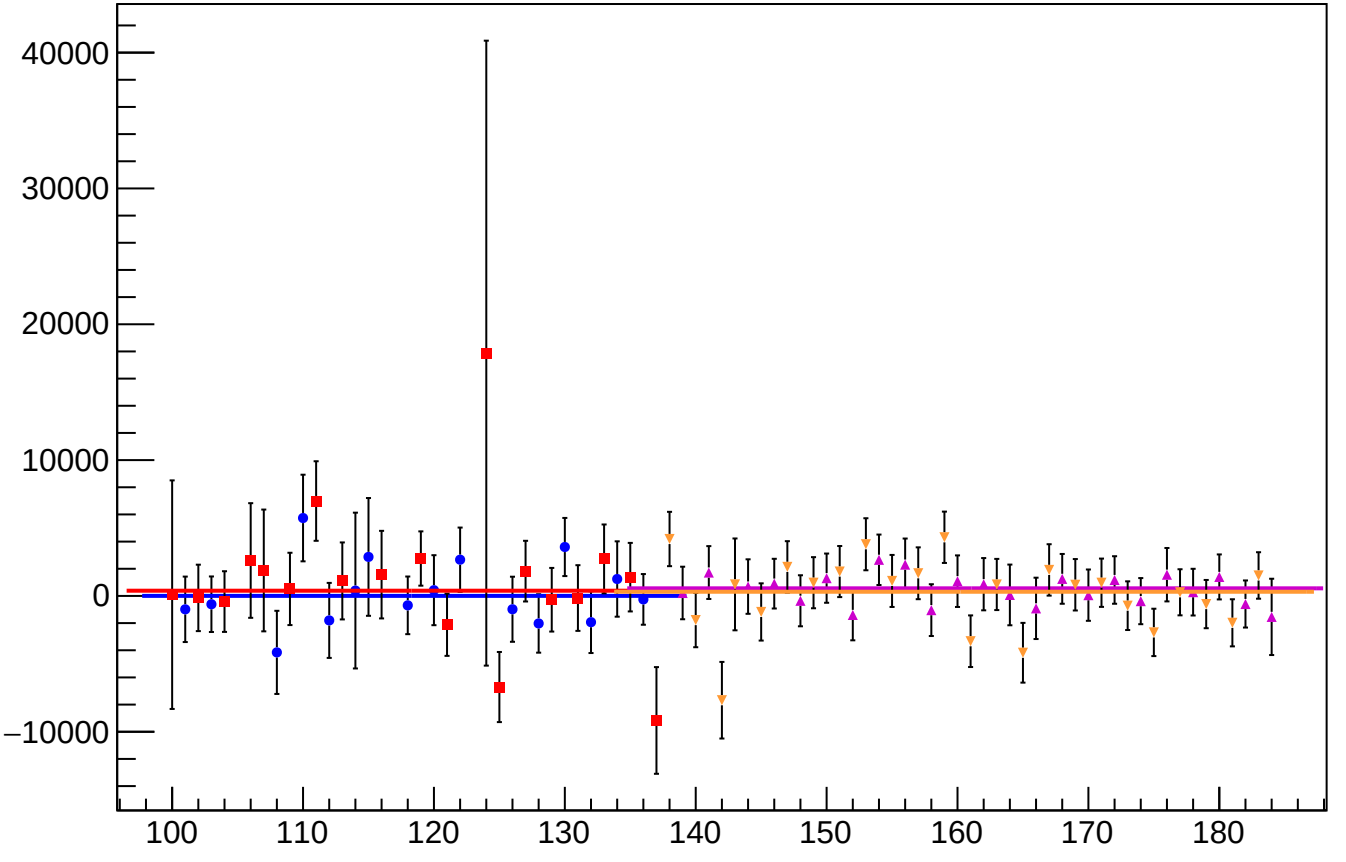
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 19847883.4/39

All: 0.000+/-0.000 χ^2/NDF: 34466824.2/81

- sign 0.000+/-0.000 χ^2/NDF: 12008588.6/41

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

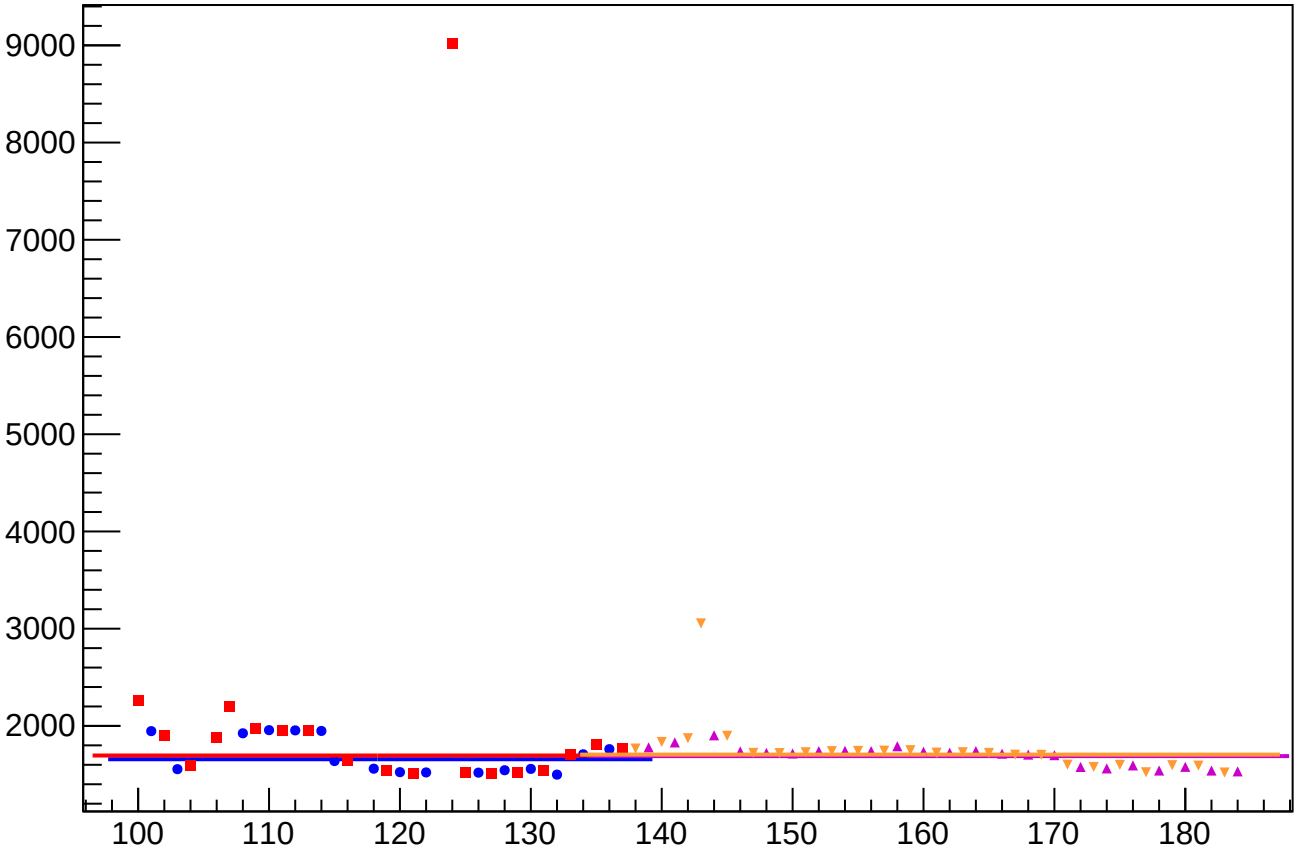
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 221.195+/-331.427 χ^2/NDF: 50.8/39

All: 364.393+/-235.704 χ^2/NDF: 82.8/81

- sign 510.939+/-335.278 χ^2/NDF: 31.6/41

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

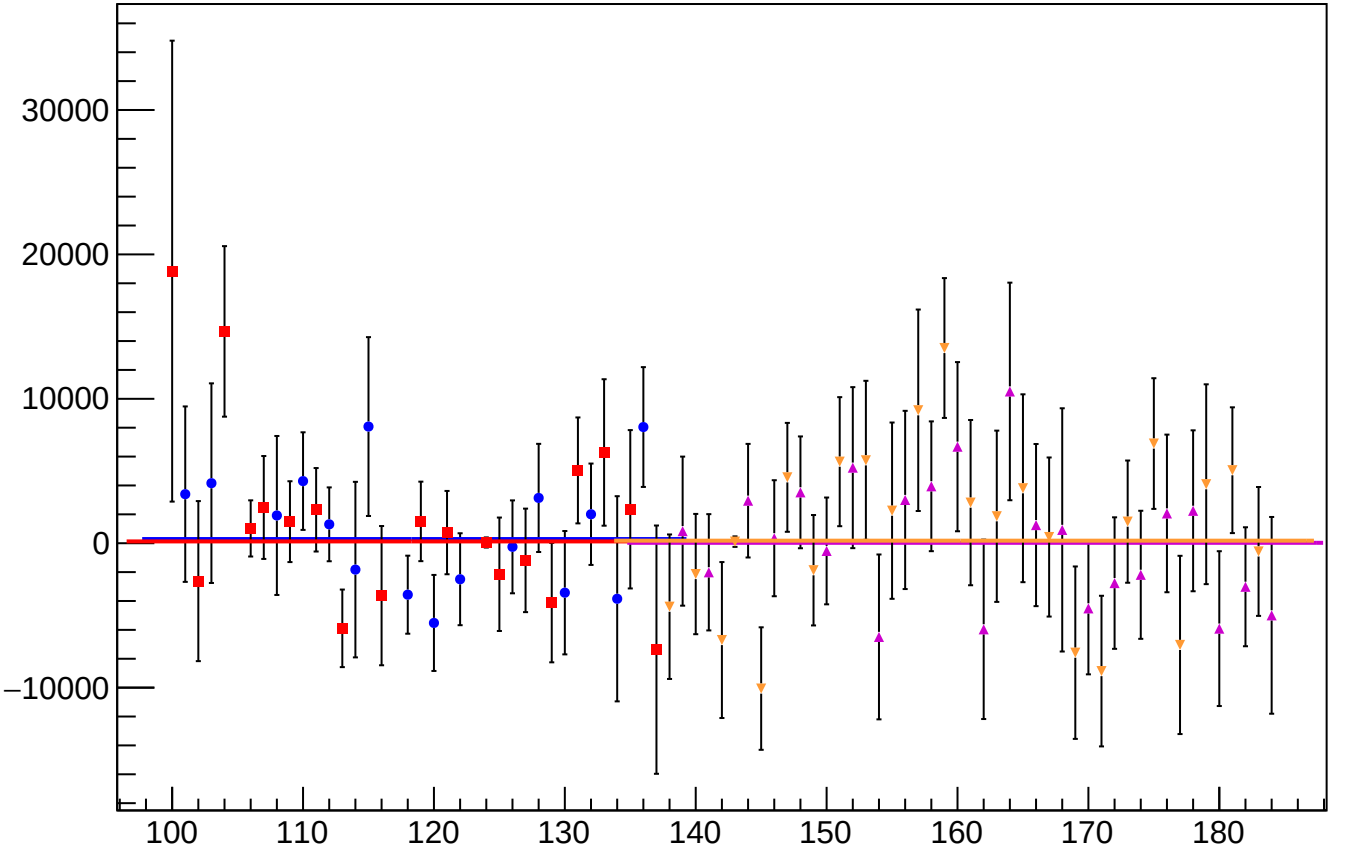
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1691.159+/-0.234 χ^2/NDF: 596989.9/39

All: 1691.110+/-0.167 χ^2/NDF: 1105671.5/81

- sign 1691.060+/-0.237 χ^2/NDF: 508681.5/41

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

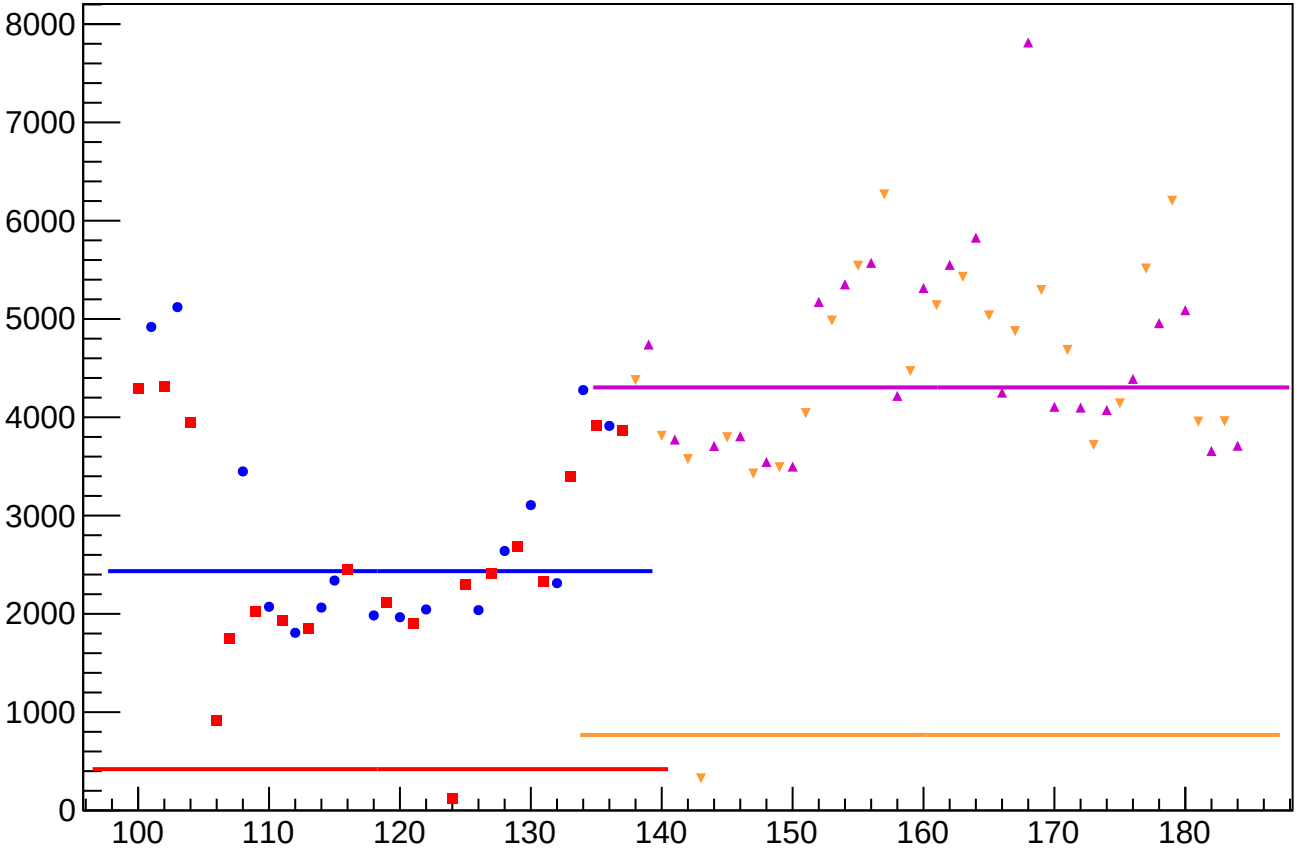
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

\+ sign 189.913+/-323.432 χ^2/NDF: 48.0/39

All: 151.658+/-223.310 χ^2/NDF: 82.1/81

\- sign 116.809+/-308.699 χ^2/NDF: 34.1/41

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

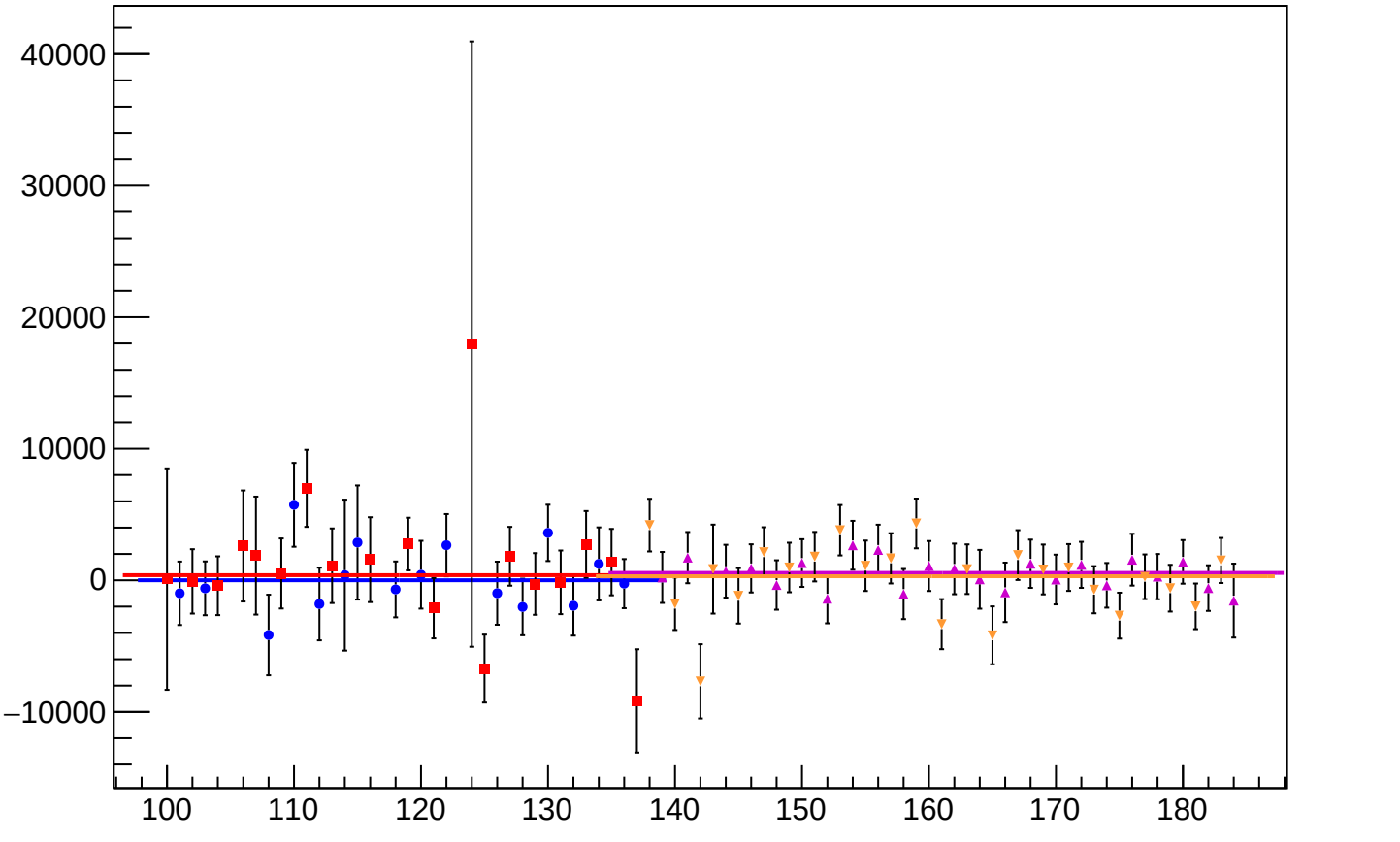
Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 956.771+/-0.229 χ^2/NDF: 34541067.7/39

All: 860.200+/-0.158 χ^2/NDF: 73248831.1/81

- sign 772.228+/-0.218 χ^2/NDF: 38367035.7/41



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

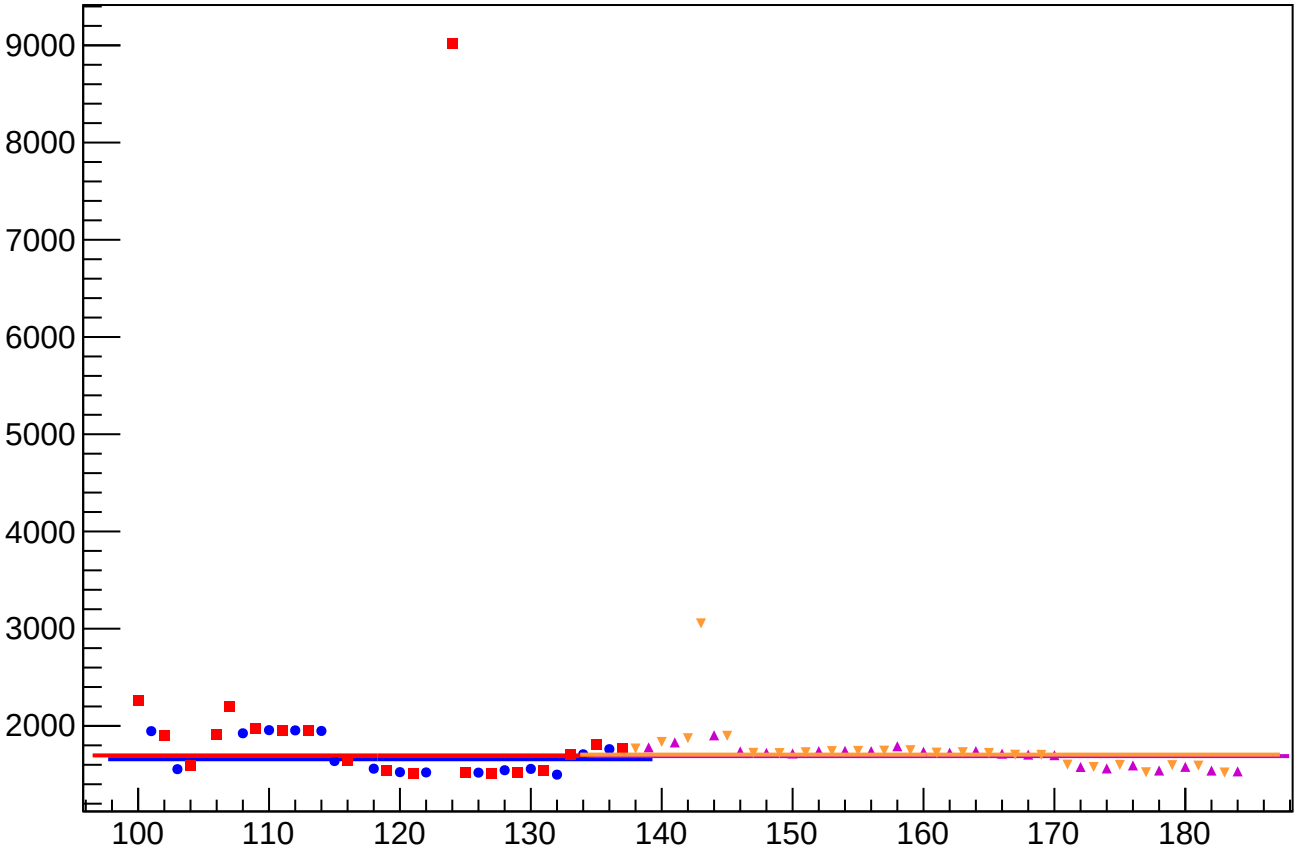
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 221.160+/-331.427 χ^2/NDF: 50.8/39

All: 364.958+/-235.704 χ^2/NDF: 82.8/81

- sign 512.117+/-335.278 χ^2/NDF: 31.6/41

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

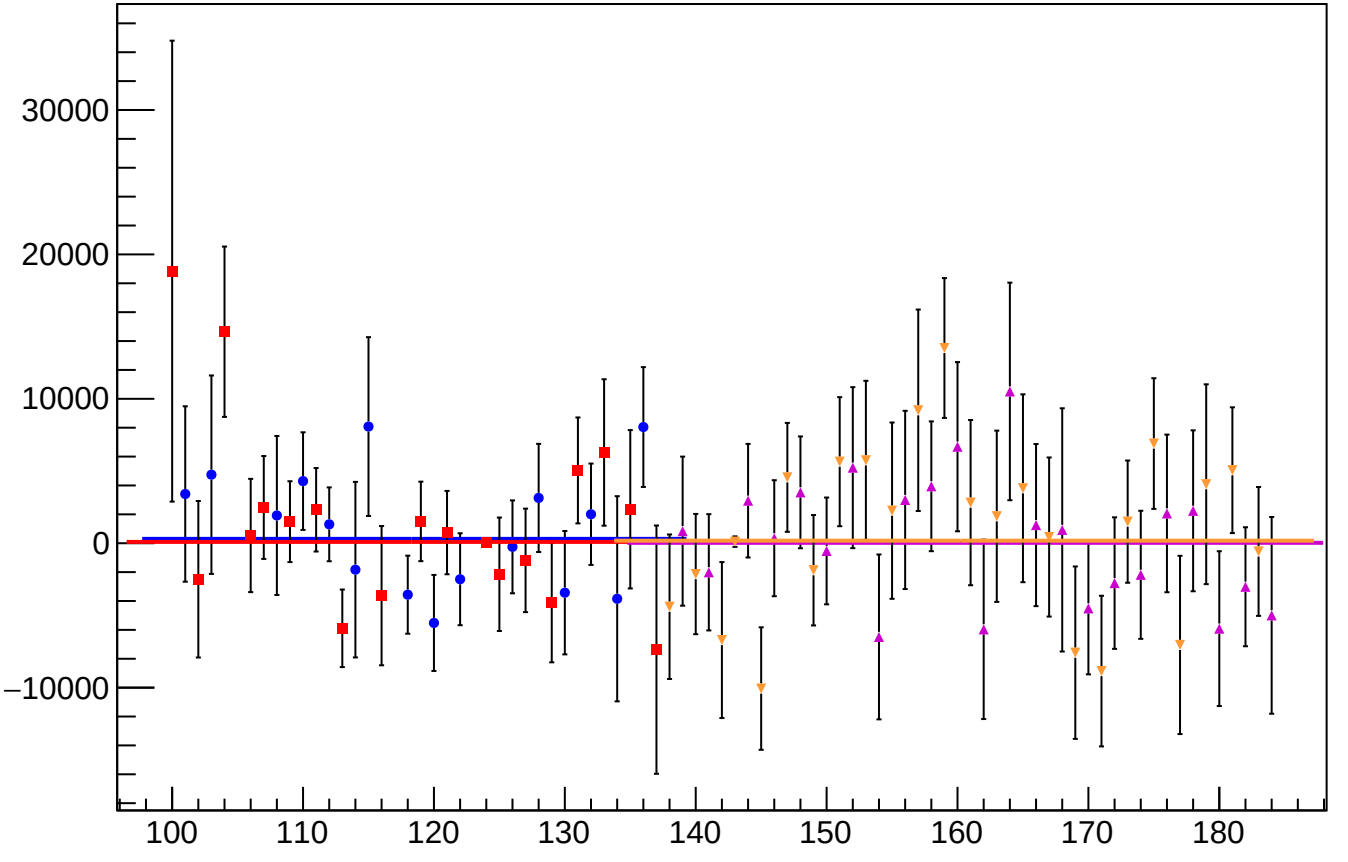
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1691.159+/-0.234 χ^2/NDF: 596990.0/39

All: 1691.220+/-0.167 χ^2/NDF: 1107468.6/81

- sign 1691.282+/-0.237 χ^2/NDF: 510478.5/41

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

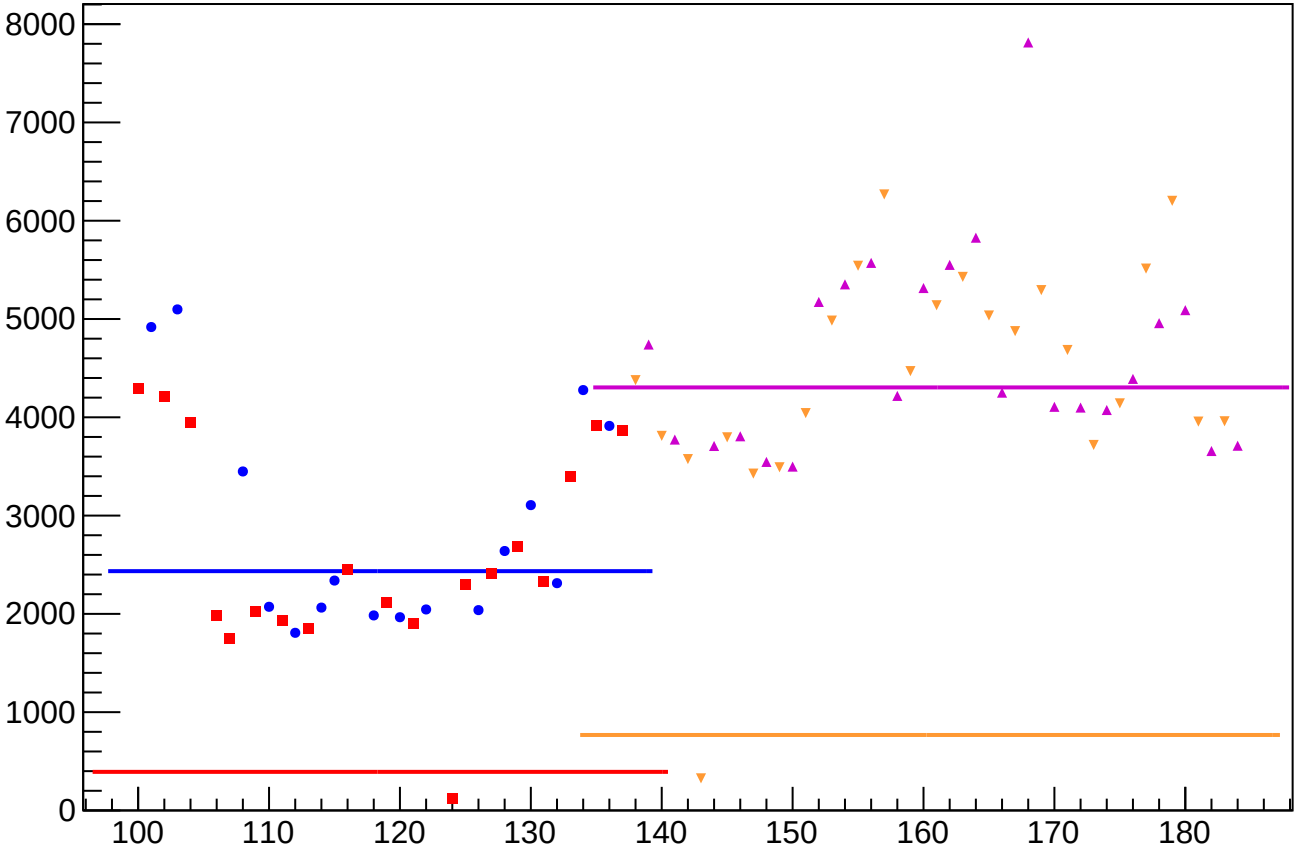
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 191.707+/-323.408 χ^2/NDF: 48.1/39

All: 135.599+/-220.639 χ^2/NDF: 82.1/81

- sign 86.746+/-301.776 χ^2/NDF: 33.9/41

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

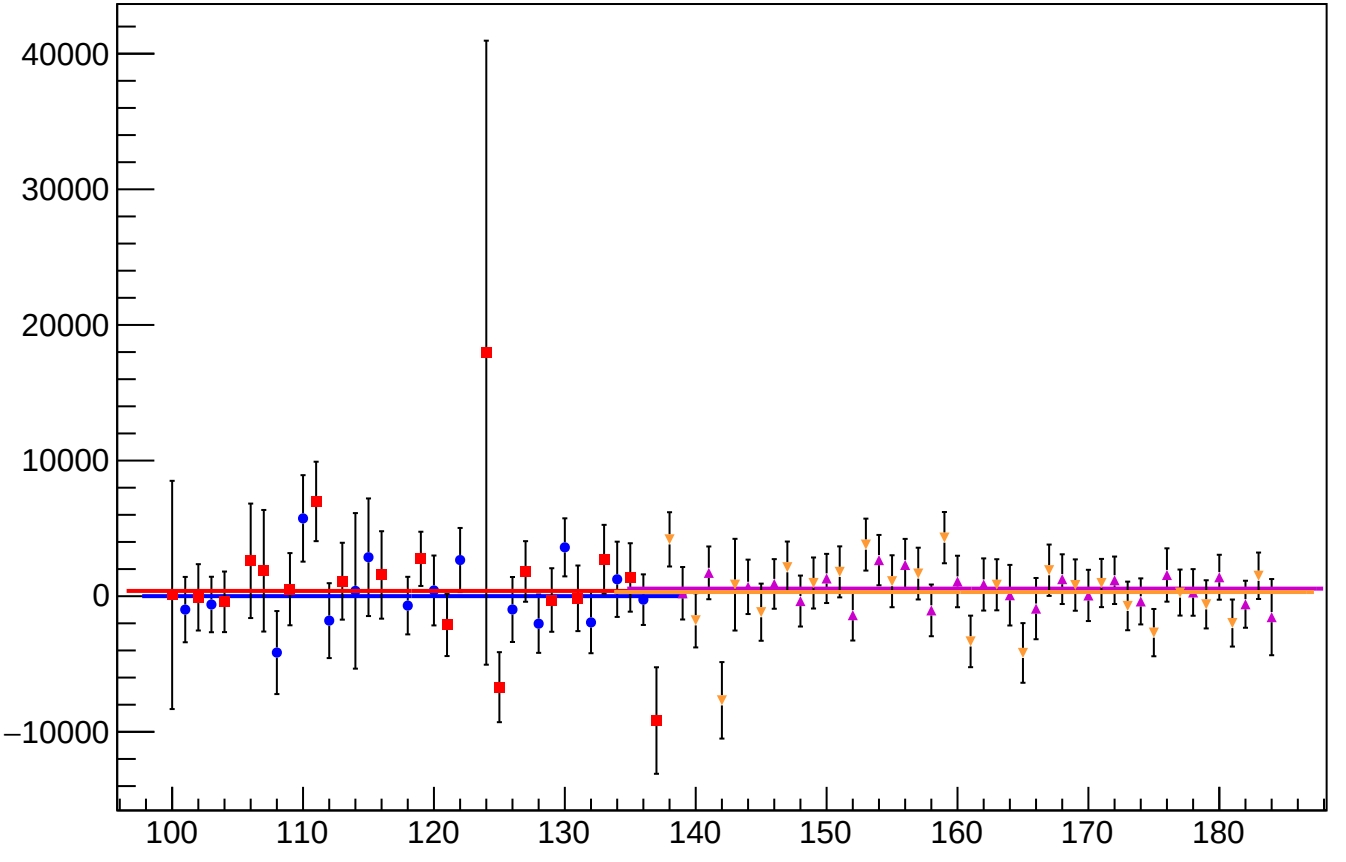
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 956.729+/-0.229 χ^2/NDF: 34543095.0/39

All: 836.269+/-0.156 χ^2/NDF: 74262604.1/81

- sign 731.384+/-0.213 χ^2/NDF: 39200442.9/41

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

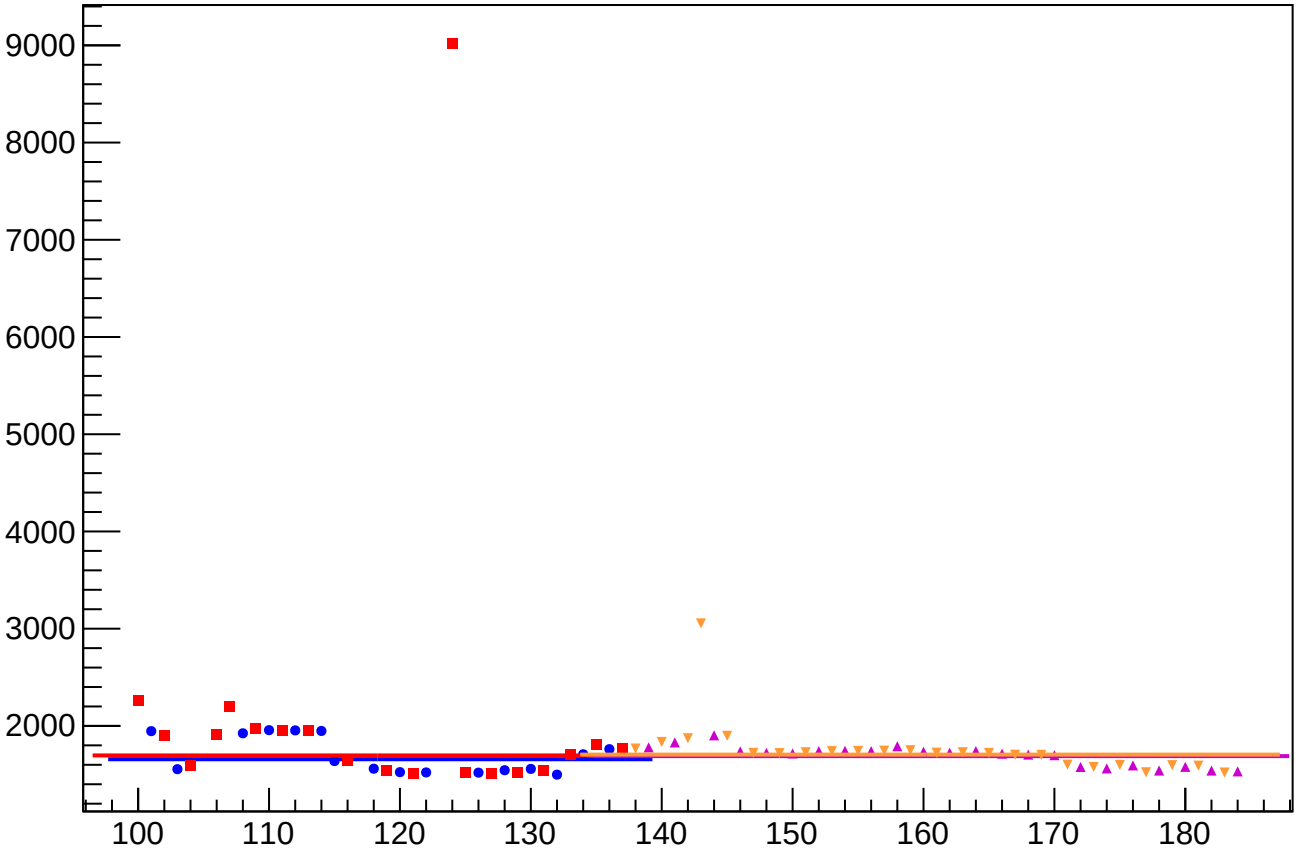
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 221.160+/-331.427 χ^2/NDF: 50.8/39

All: 364.958+/-235.704 χ^2/NDF: 82.8/81

- sign 512.117+/-335.278 χ^2/NDF: 31.6/41

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

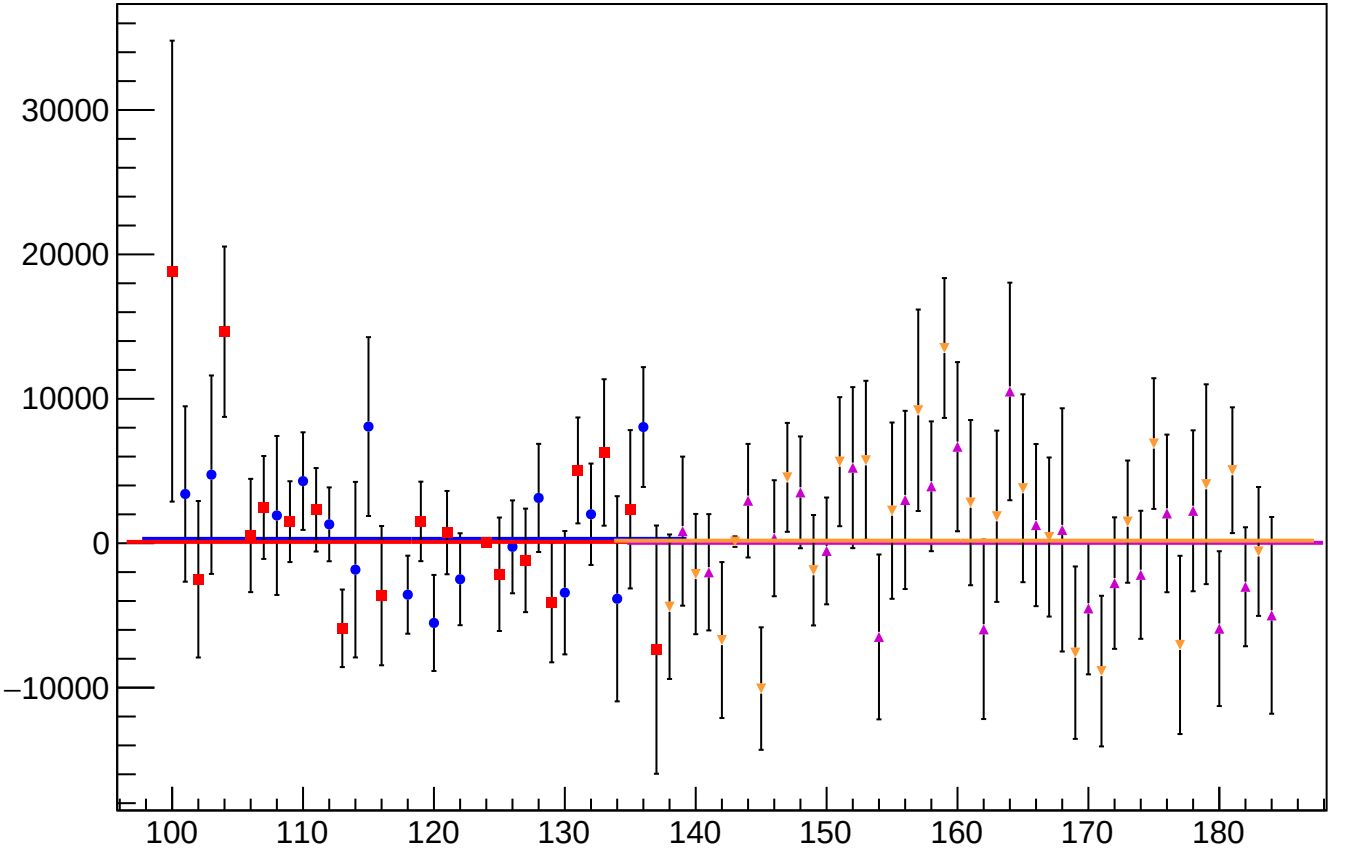
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1691.159+/-0.234 χ^2/NDF: 596990.0/39

All: 1691.220+/-0.167 χ^2/NDF: 1107468.6/81

- sign 1691.282+/-0.237 χ^2/NDF: 510478.5/41

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

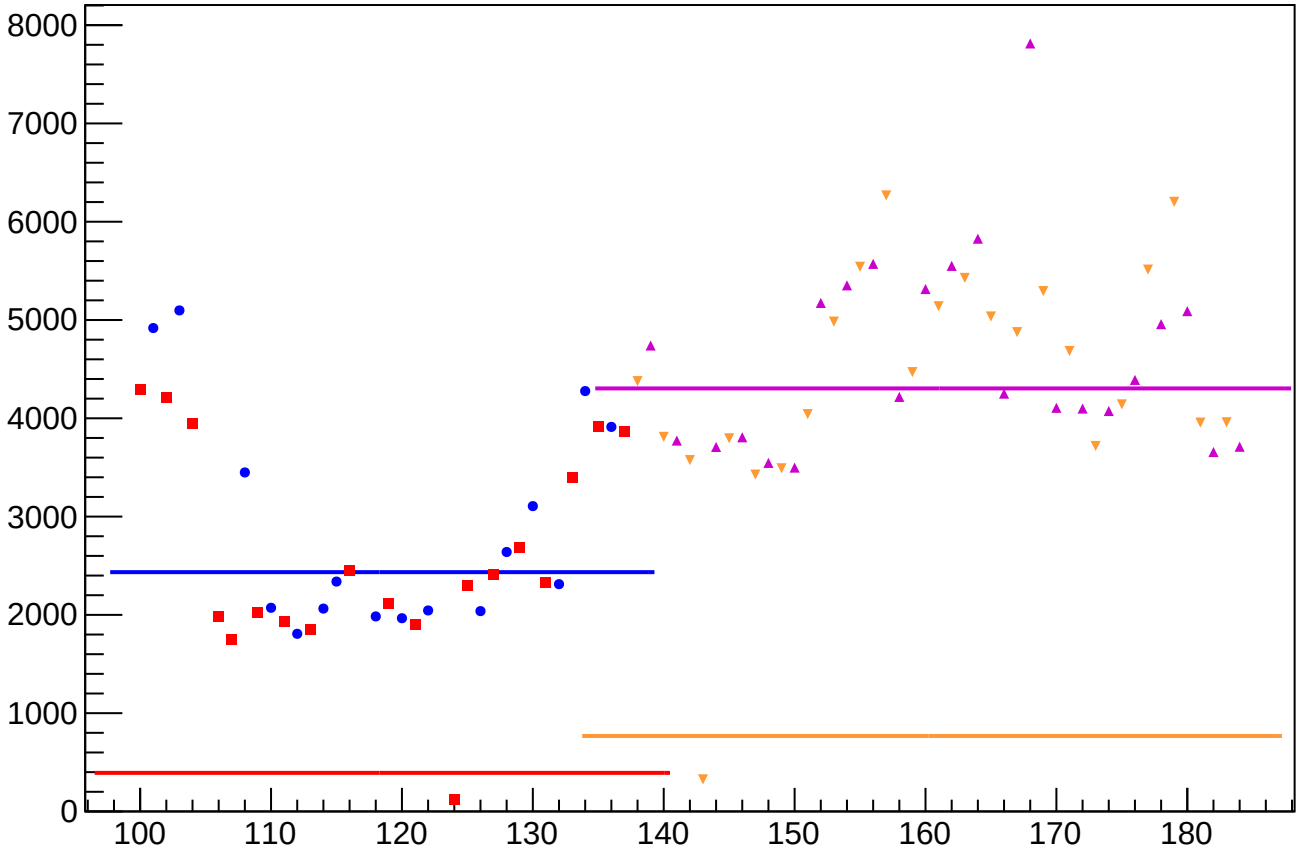
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 191.707+/-323.408 χ^2/NDF: 48.1/39

All: 135.599+/-220.639 χ^2/NDF: 82.1/81

- sign 86.746+/-301.776 χ^2/NDF: 33.9/41

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

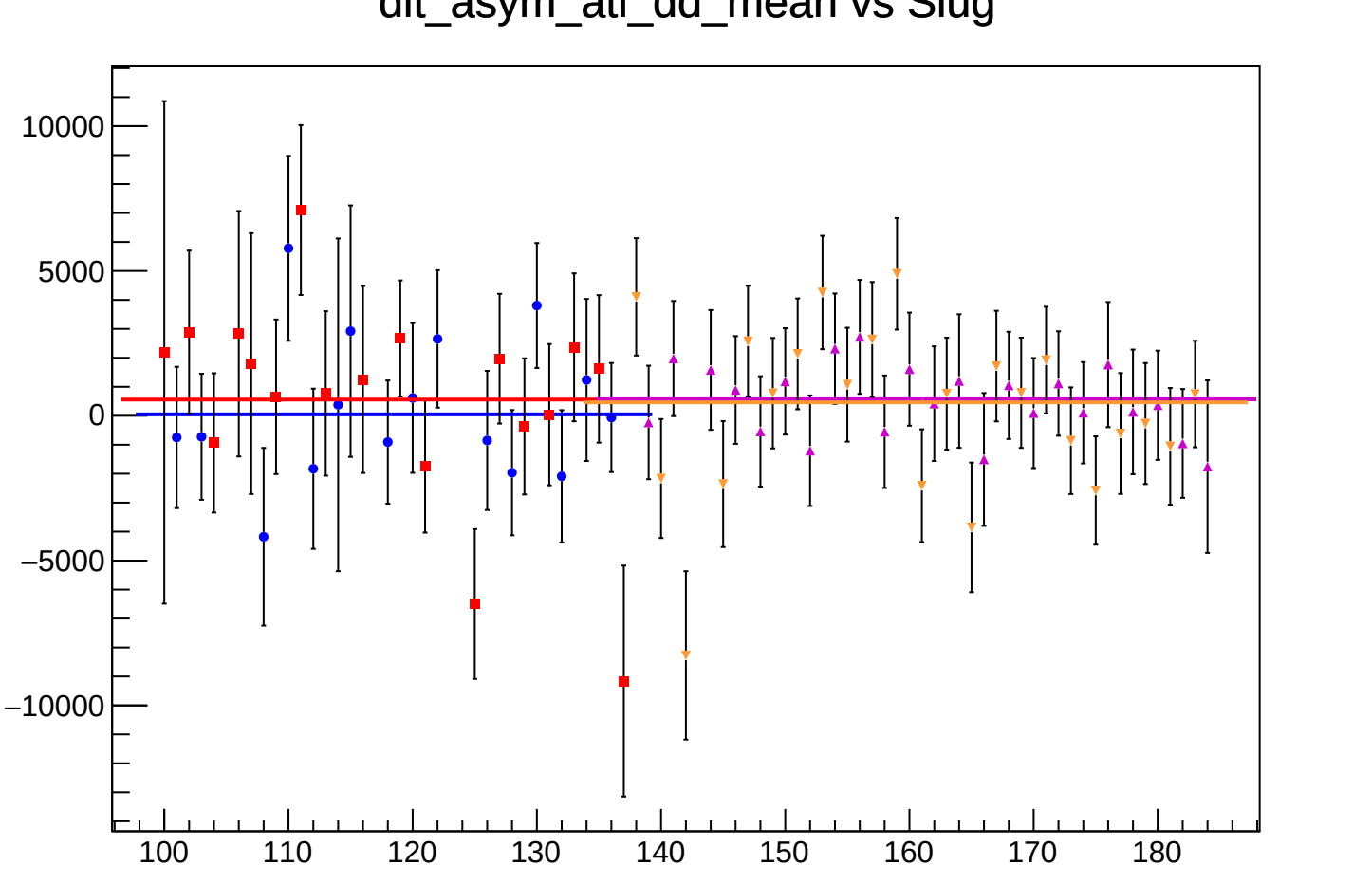
Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 956.729+/-0.229 χ^2/NDF: 34543095.0/39

All: 836.269+/-0.156 χ^2/NDF: 74262604.1/81

- sign 731.384+/-0.213 χ^2/NDF: 39200442.9/41



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

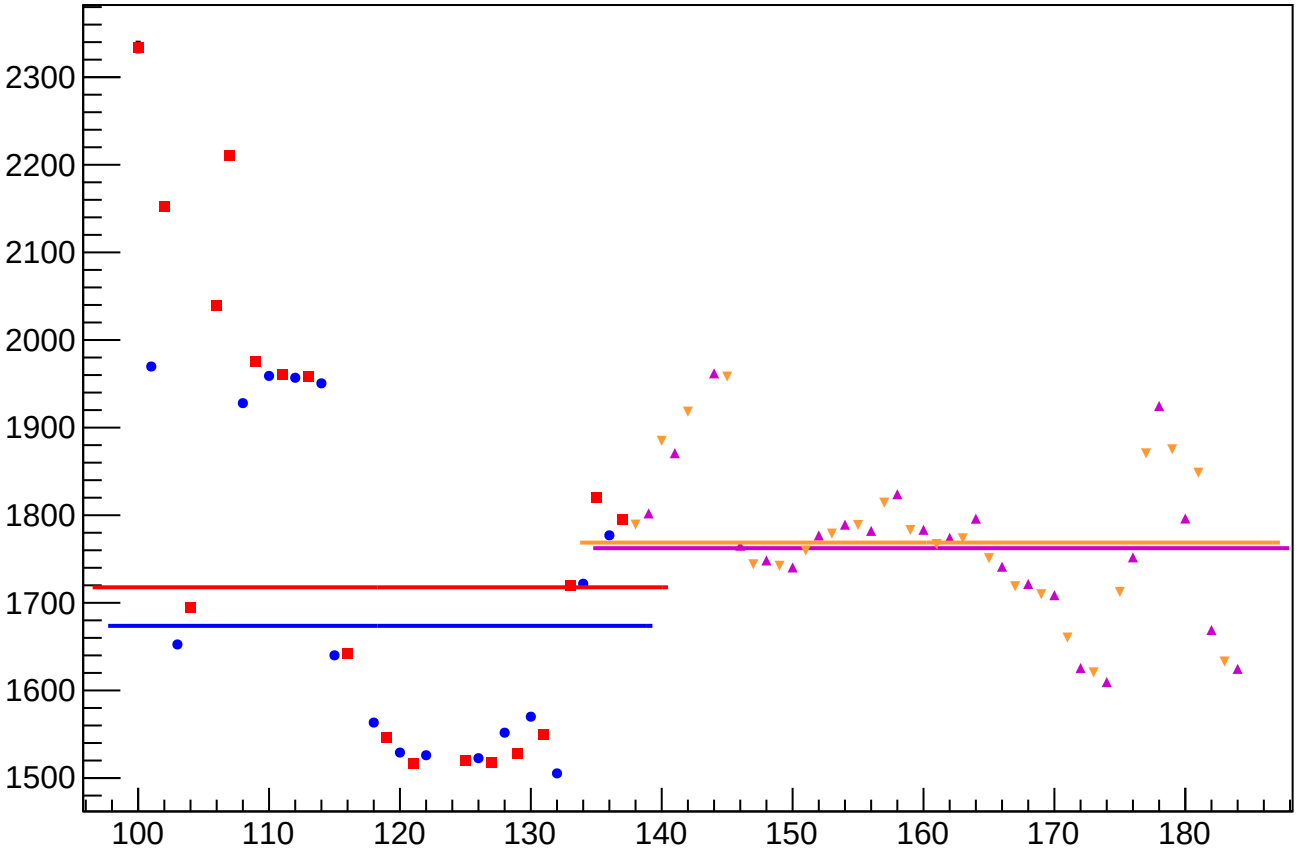
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 337.215+/-345.362 χ^2/NDF: 52.2/38

All: 451.046+/-244.886 χ^2/NDF: 83.5/79

- sign 566.151+/-347.288 χ^2/NDF: 31.0/40

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

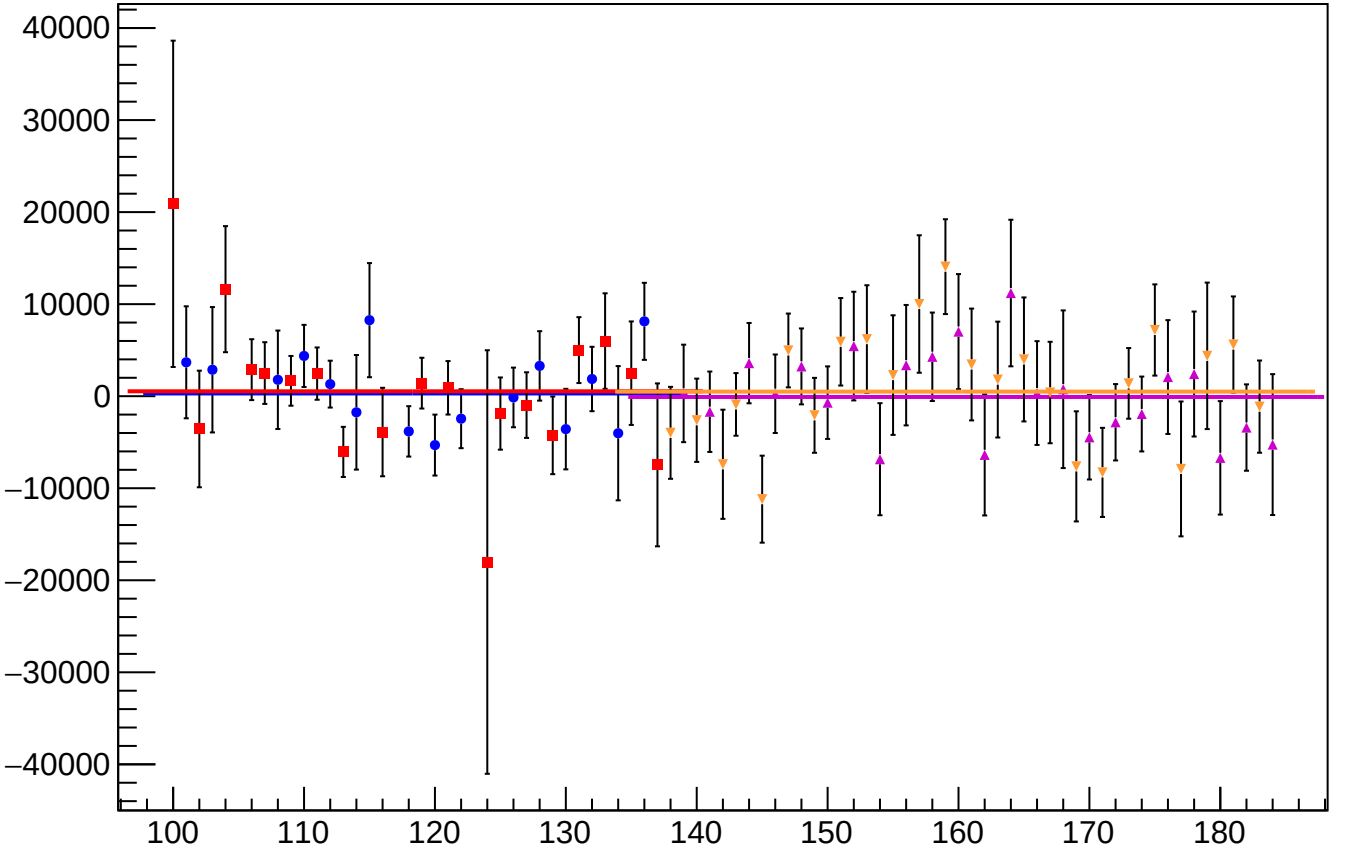
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1739.854+/-0.244 χ^2/NDF: 251314.3/38

All: 1744.612+/-0.173 χ^2/NDF: 566647.3/79

- sign 1749.418+/-0.245 χ^2/NDF: 314569.8/40

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

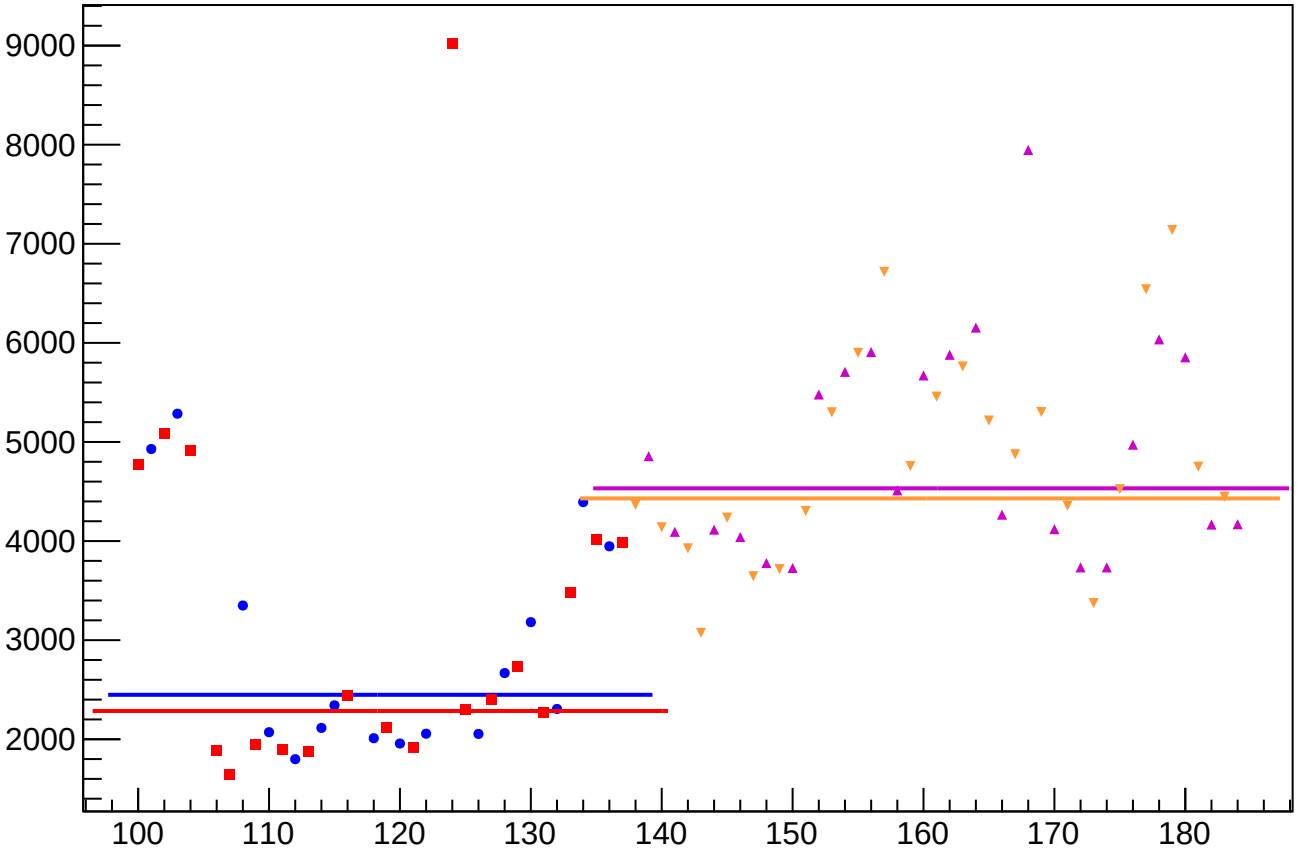
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

\+ sign 388.691+/-707.860 χ^2/NDF: 47.3/39

All: 334.792+/-492.135 χ^2/NDF: 79.2/81

\- sign 284.365+/-684.687 χ^2/NDF: 31.9/41

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

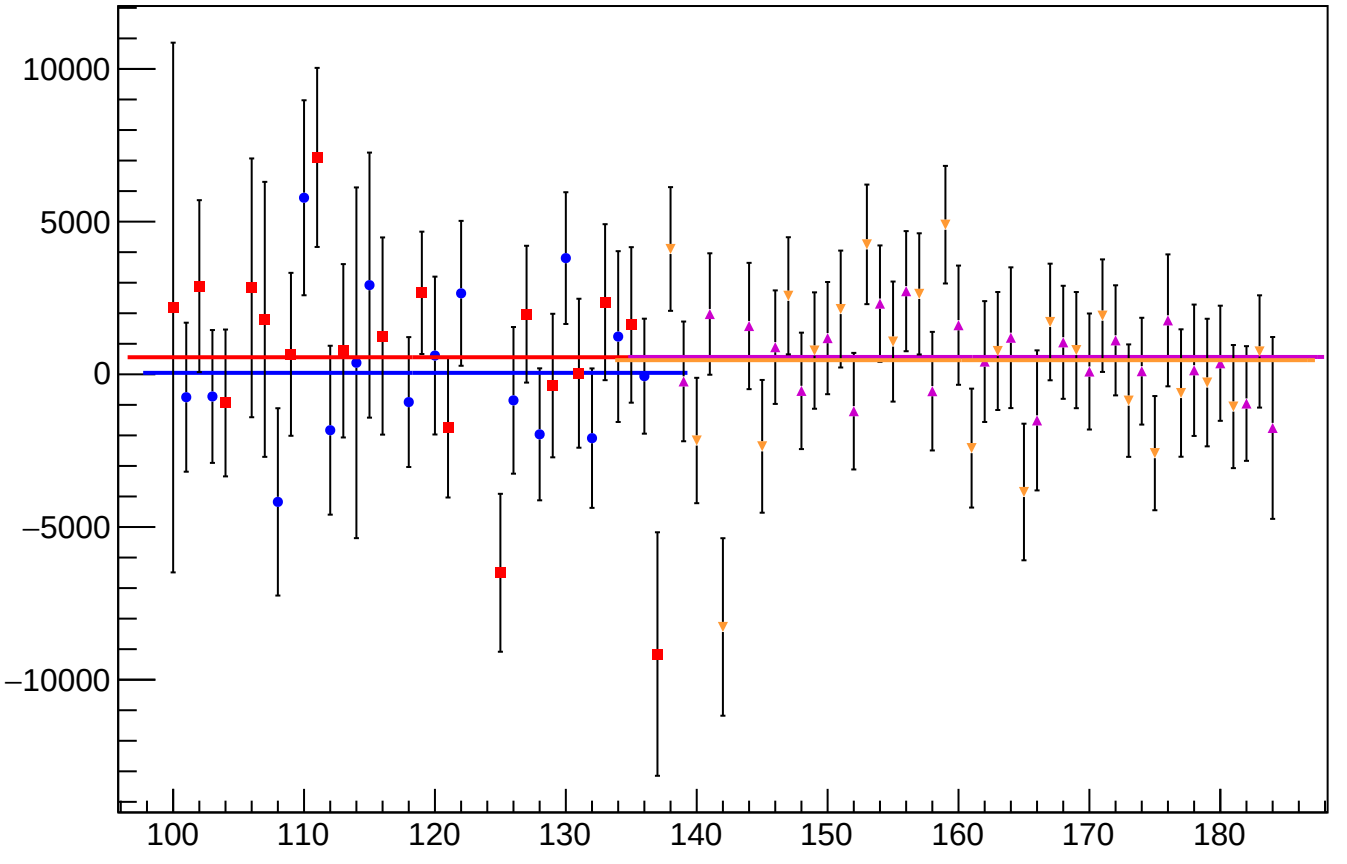
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3363.275+/-0.501 χ^2/NDF: 7026338.8/39

All: 3270.629+/-0.348 χ^2/NDF: 15187264.4/8

- sign 3183.950+/-0.484 χ^2/NDF: 8094612.2/41



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

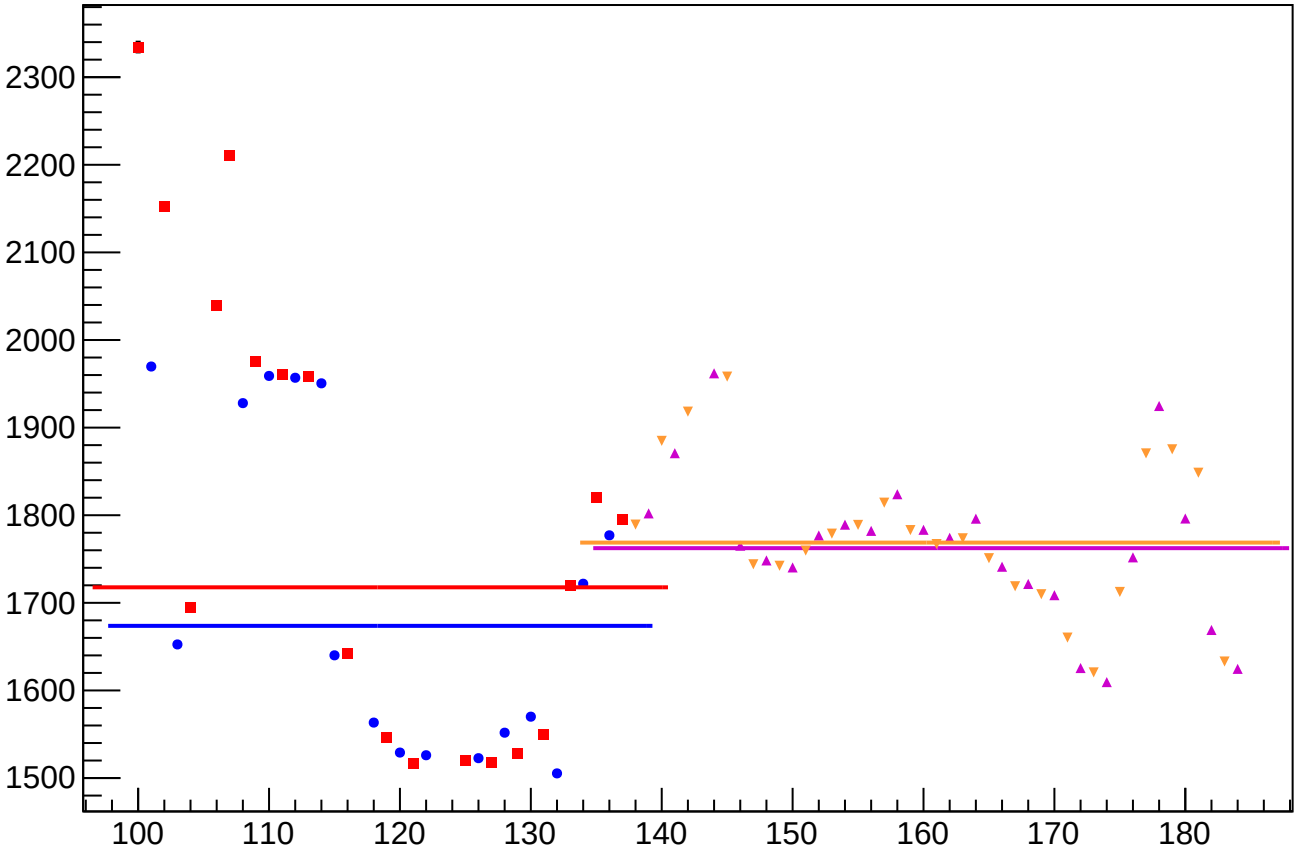
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 337.215+/-345.362 χ^2/NDF: 52.2/38

All: 451.046+/-244.886 χ^2/NDF: 83.5/79

- sign 566.151+/-347.288 χ^2/NDF: 31.0/40

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

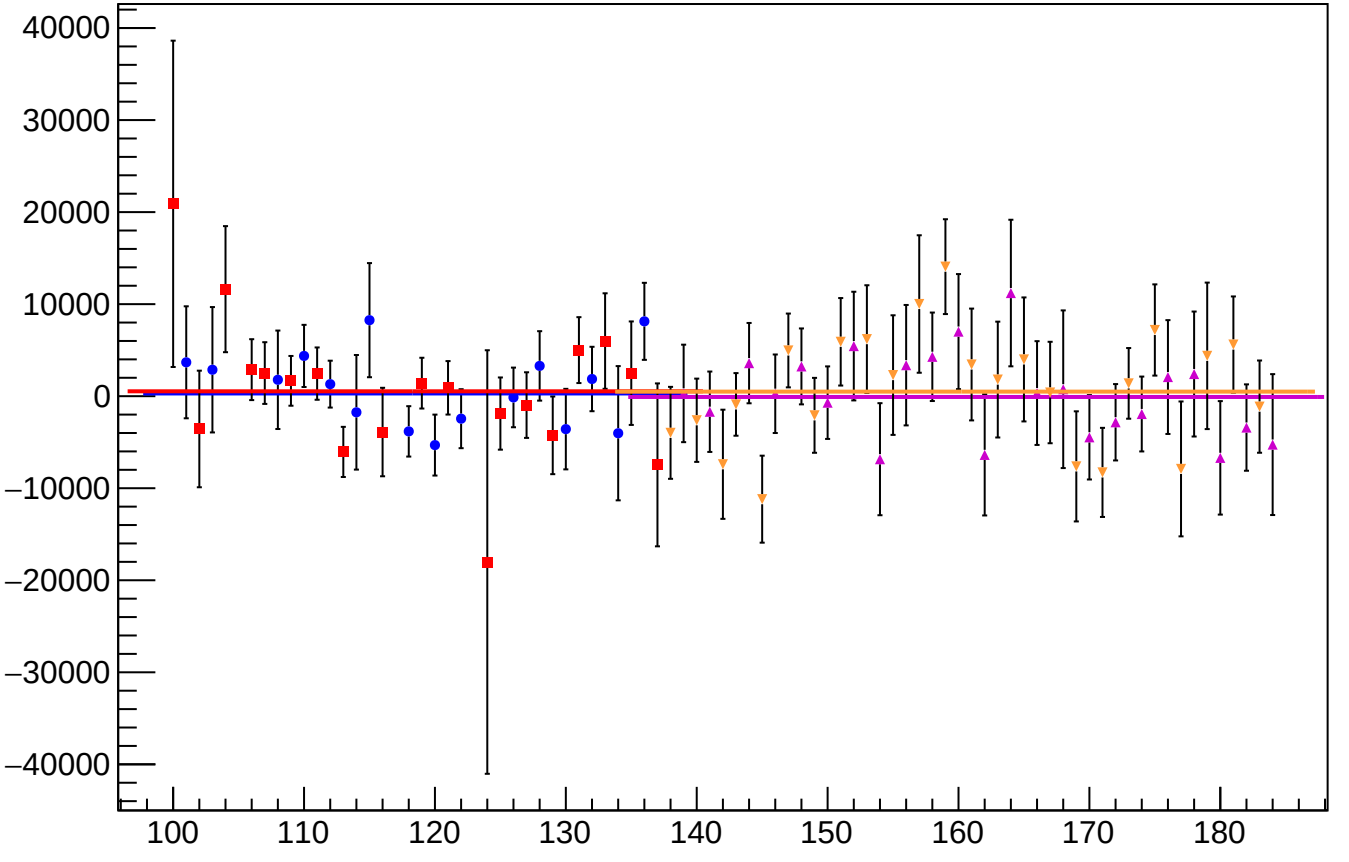
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1739.854+/-0.244 χ^2/NDF: 251318.3/38

All: 1744.613+/-0.173 χ^2/NDF: 566653.5/79

- sign 1749.418+/-0.245 χ^2/NDF: 314572.1/40

asym_atl_dd_eigen_dit_correction_mean vs Slug



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

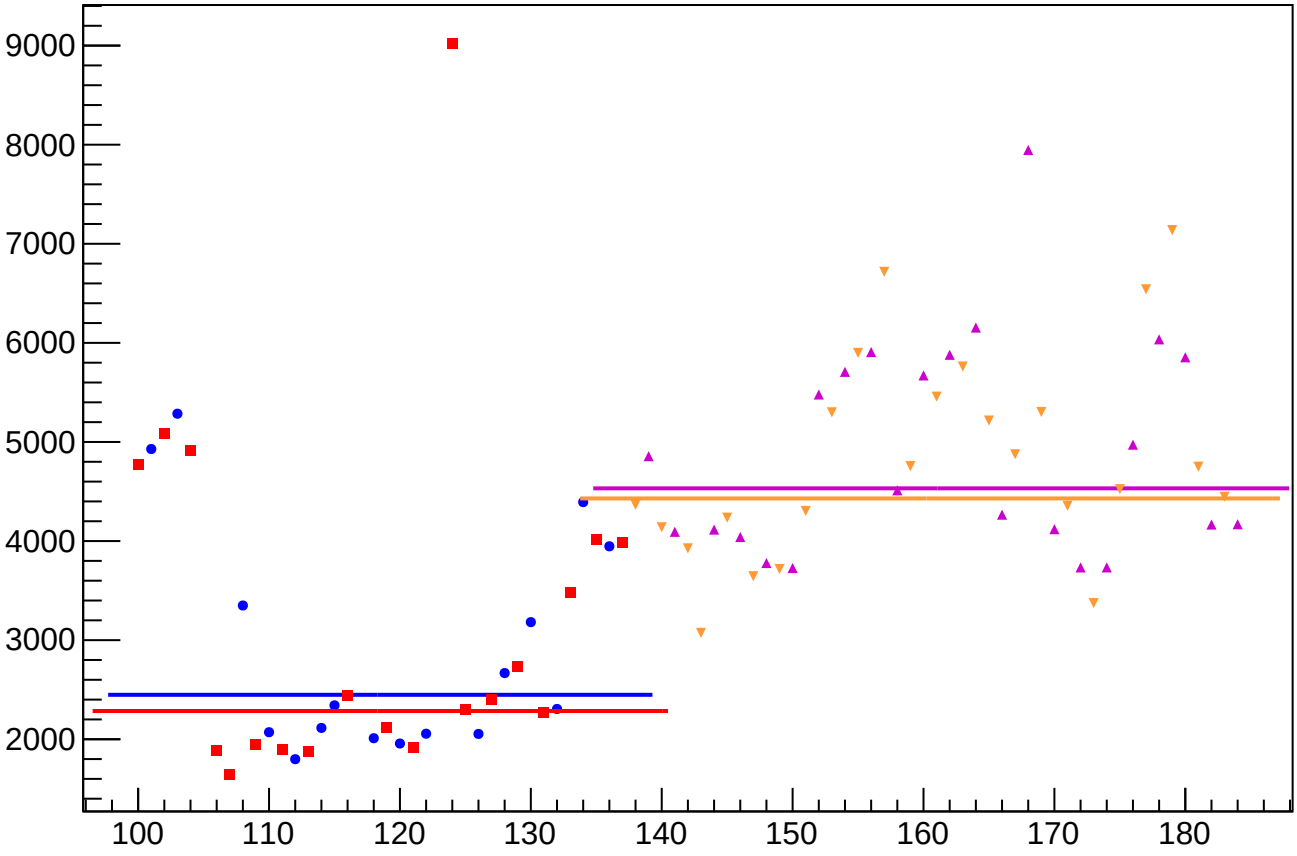
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

\+ sign 388.689+/-707.859 χ^2/NDF: 47.3/39

All: 334.793+/-492.134 χ^2/NDF: 79.2/81

\- sign 284.367+/-684.686 χ^2/NDF: 31.9/41

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

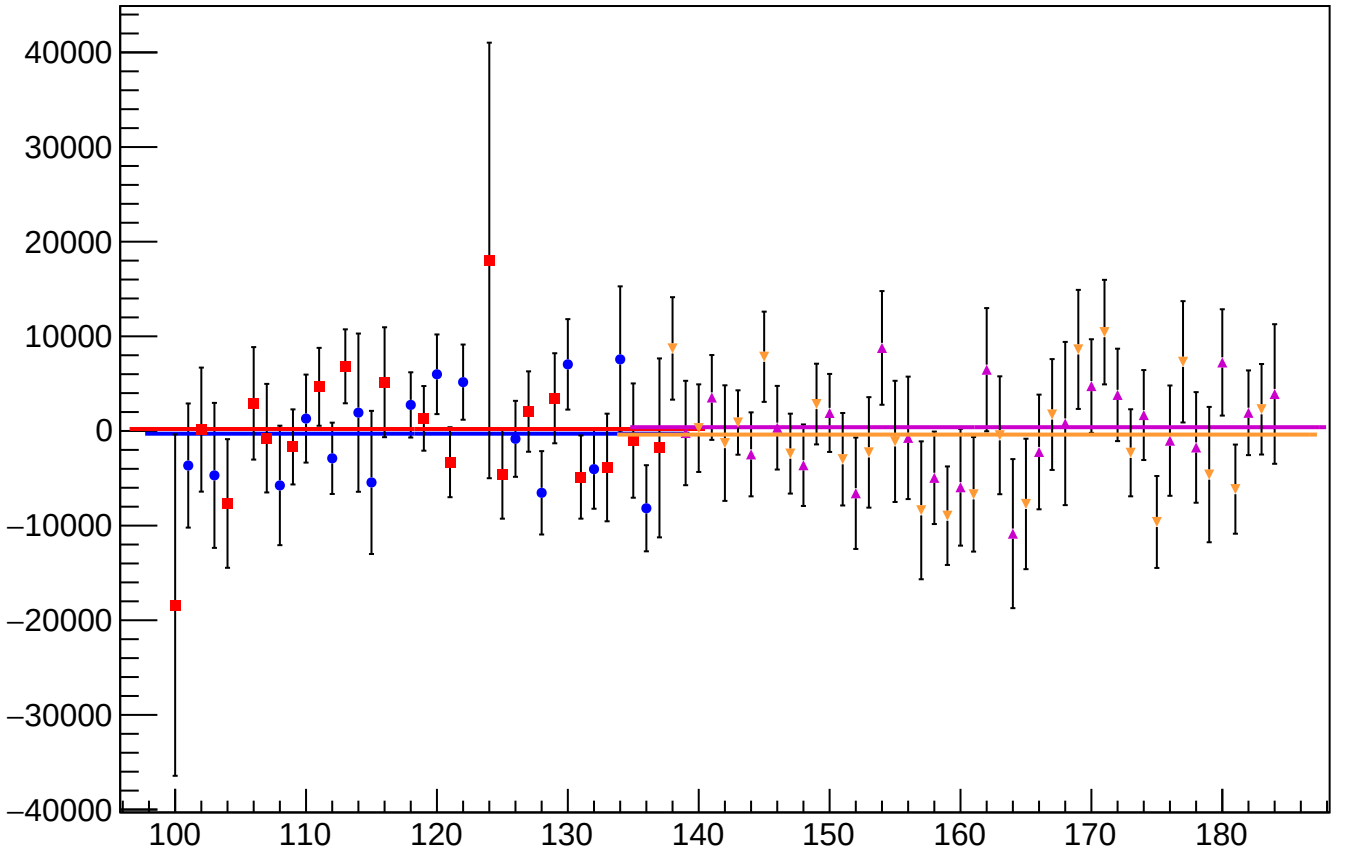
Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3363.267+/-0.501 χ^2/NDF: 7026430.6/39

All: 3270.621+/-0.348 χ^2/NDF: 15187442.6/8

- sign 3183.942+/-0.484 χ^2/NDF: 8094698.6/41



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

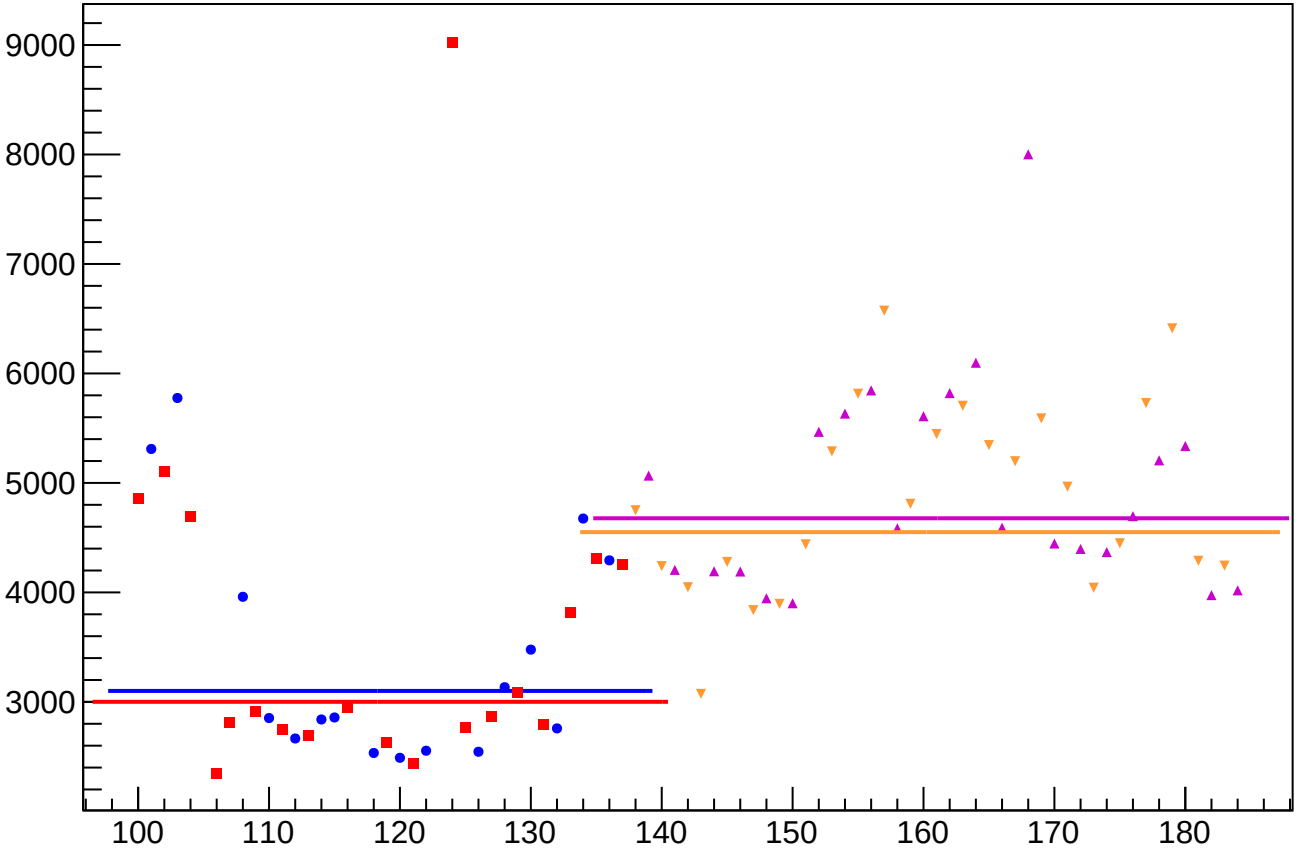
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

\+ sign -339.627+/-795.092 χ^2/NDF: 43.3/39

All: -17.874+/-563.842 χ^2/NDF: 70.5/81

\- sign 307.631+/-799.715 χ^2/NDF: 26.9/41

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

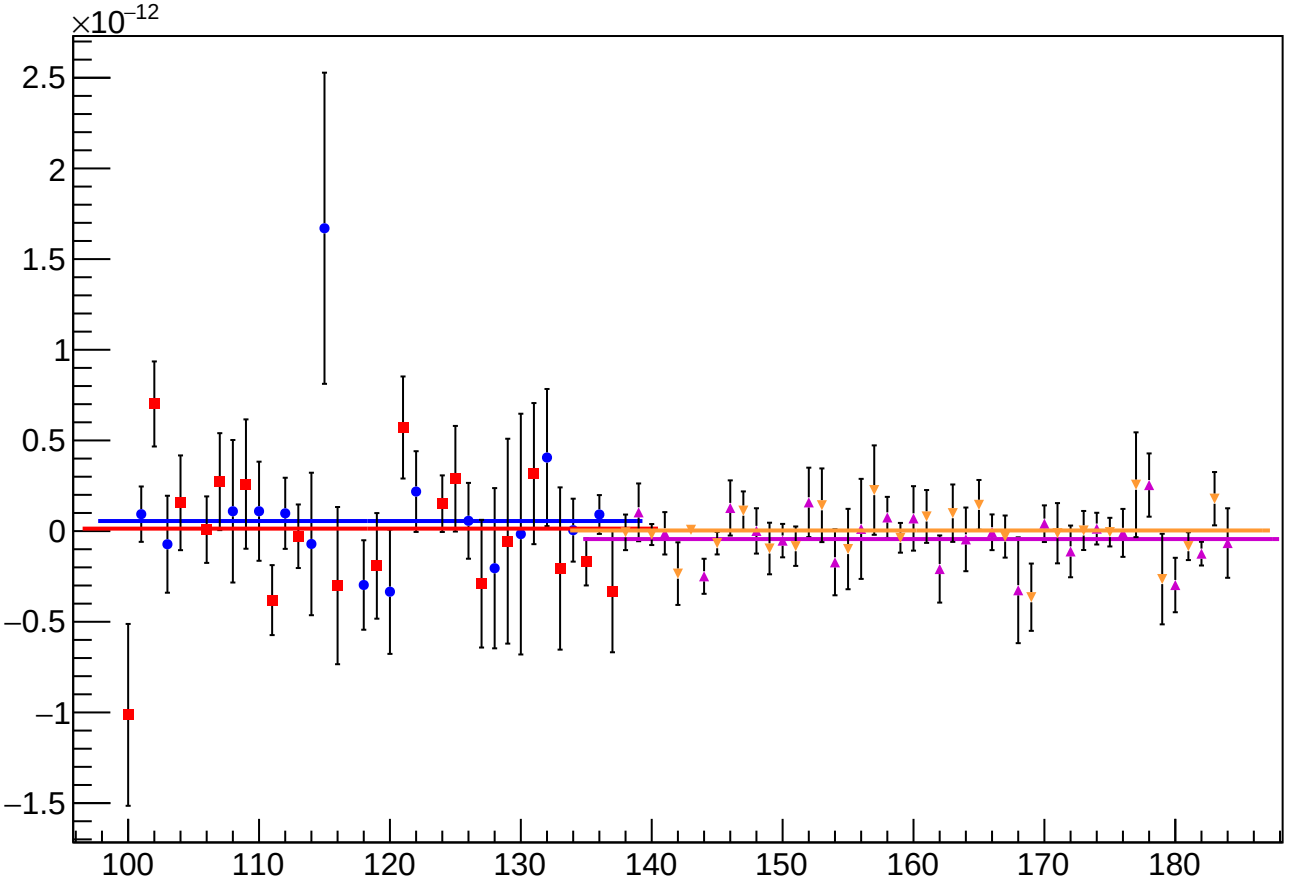
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 3910.955+/-0.562 χ^2/NDF: 3860020.4/39

All: 3885.600+/-0.397 χ^2/NDF: 7855070.1/81

- sign 3860.284+/-0.562 χ^2/NDF: 3990985.1/41

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

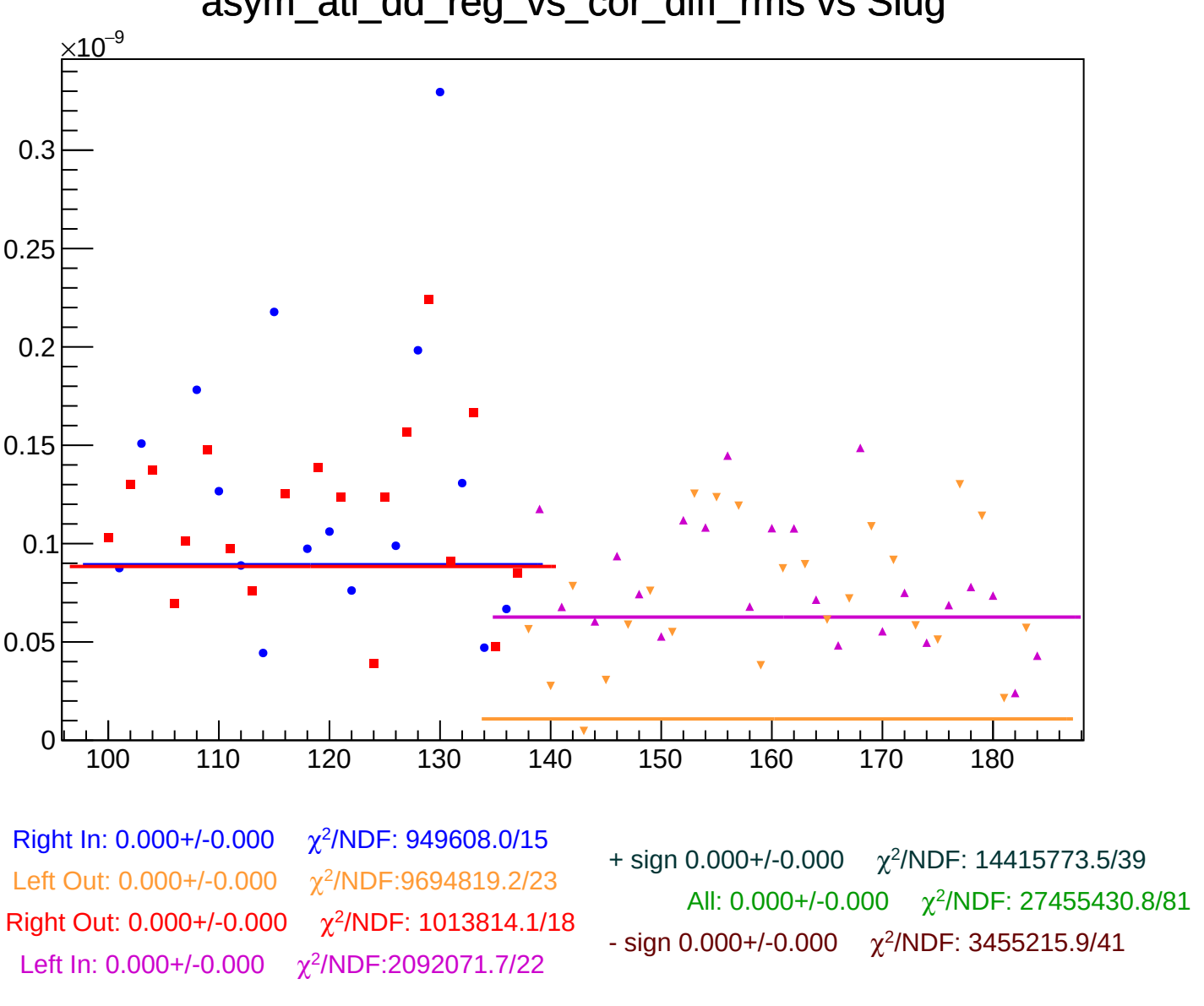
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

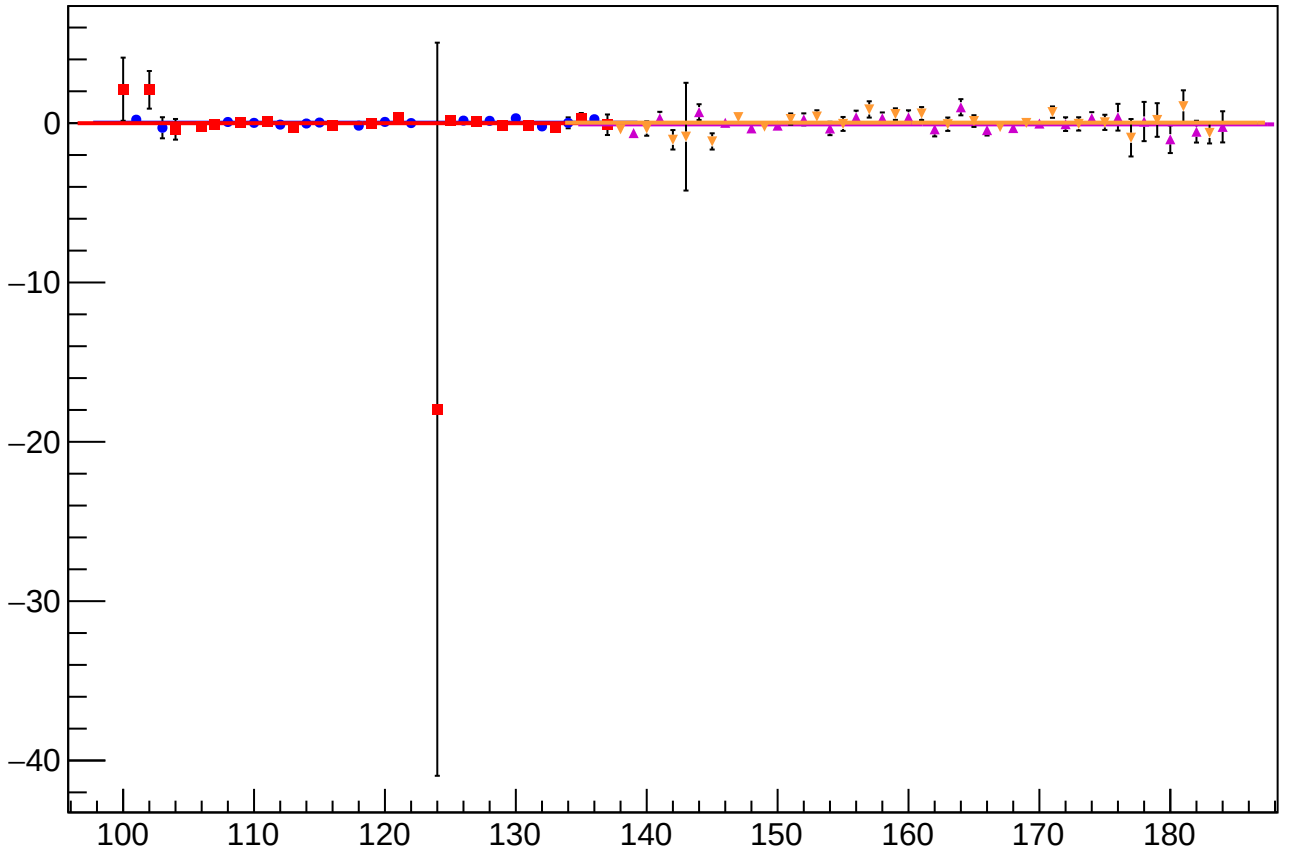
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/39

All: 0.000+/-0.000 χ^2/NDF: 81.8/81

- sign -0.000+/-0.000 χ^2/NDF: 51.5/41


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:2092071.7/22
+ sign 0.000+/-0.000 χ²/NDF: 14415773.5/39
All: 0.000+/-0.000 χ²/NDF: 27455430.8/81
- sign 0.000+/-0.000 χ²/NDF: 3455215.9/41



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

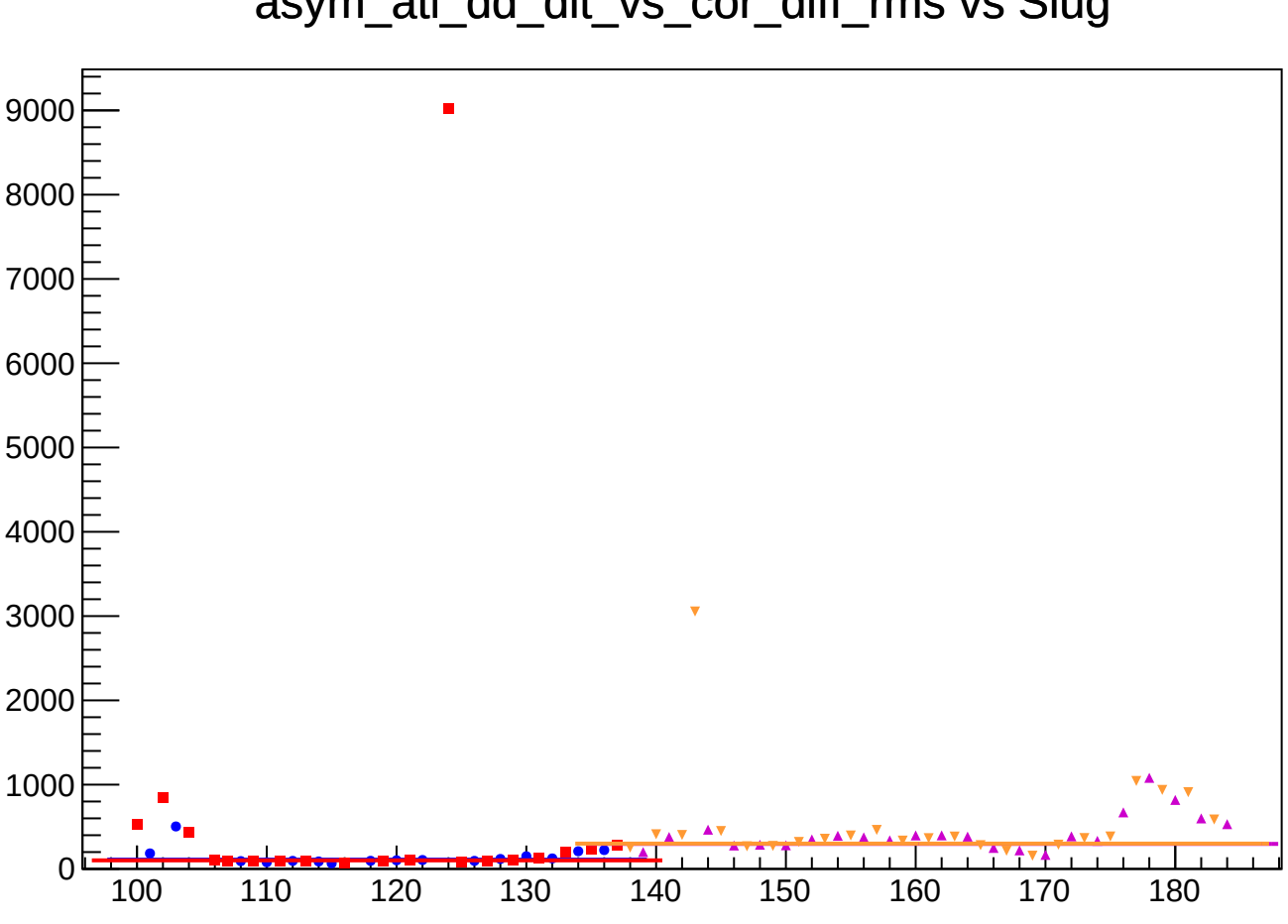
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

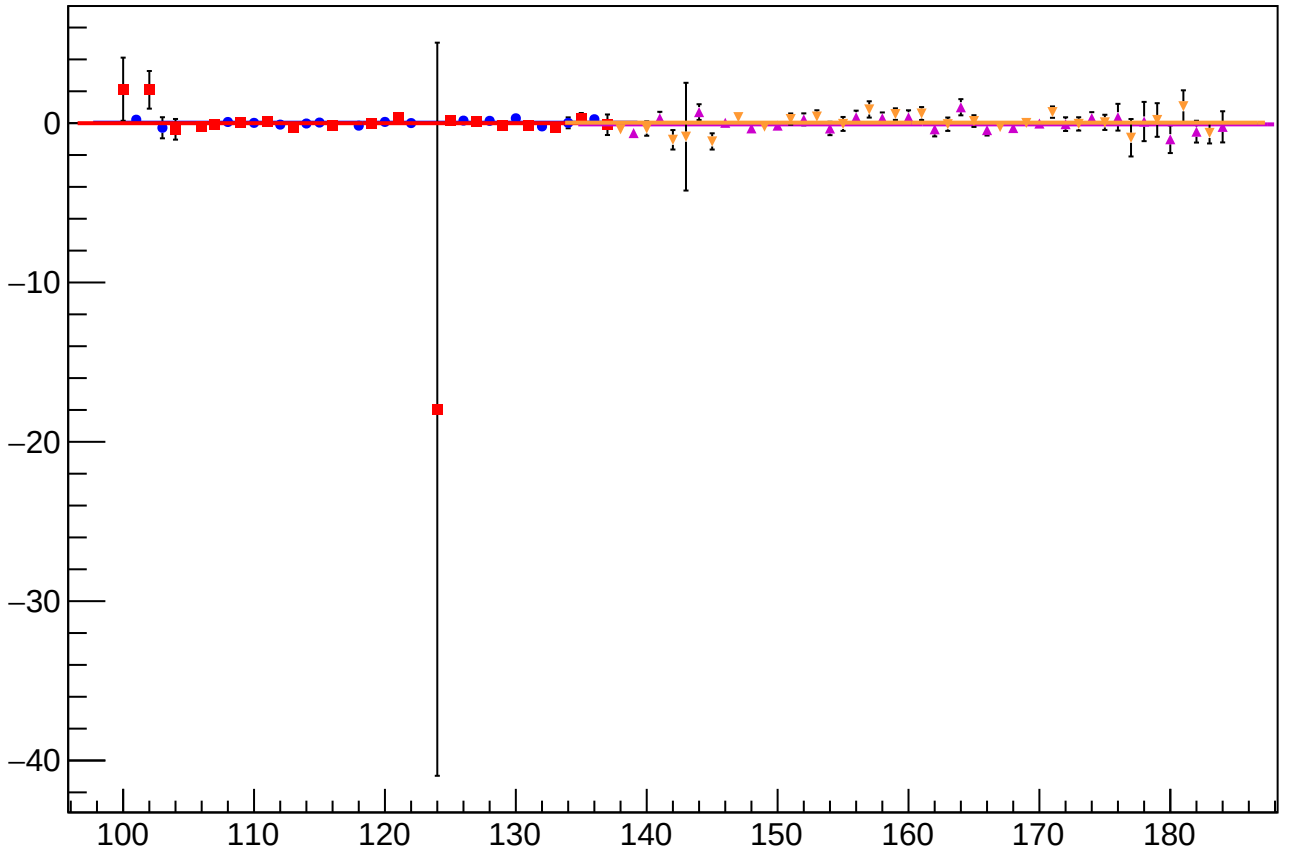
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.9/39

All: 0.003+/-0.027 χ^2/NDF: 86.0/81

- sign -0.022+/-0.038 χ^2/NDF: 47.2/41


asym_atl_dd_dit_vs_cor_diff_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 109.988+/-0.032 χ²/NDF: 1930558.2/15
Left Out: 300.480+/-0.055 χ²/NDF:6593282.3/23
Right Out: 101.852+/-0.031 χ²/NDF: 2589792.8/18
Left In: 296.875+/-0.054 χ²/NDF:4917907.0/22
+ sign 158.840+/-0.028 χ²/NDF: 17593165.5/39
All: 154.262+/-0.019 χ²/NDF: 35140002.2/81
- sign 150.012+/-0.027 χ²/NDF: 17493864.9/41



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

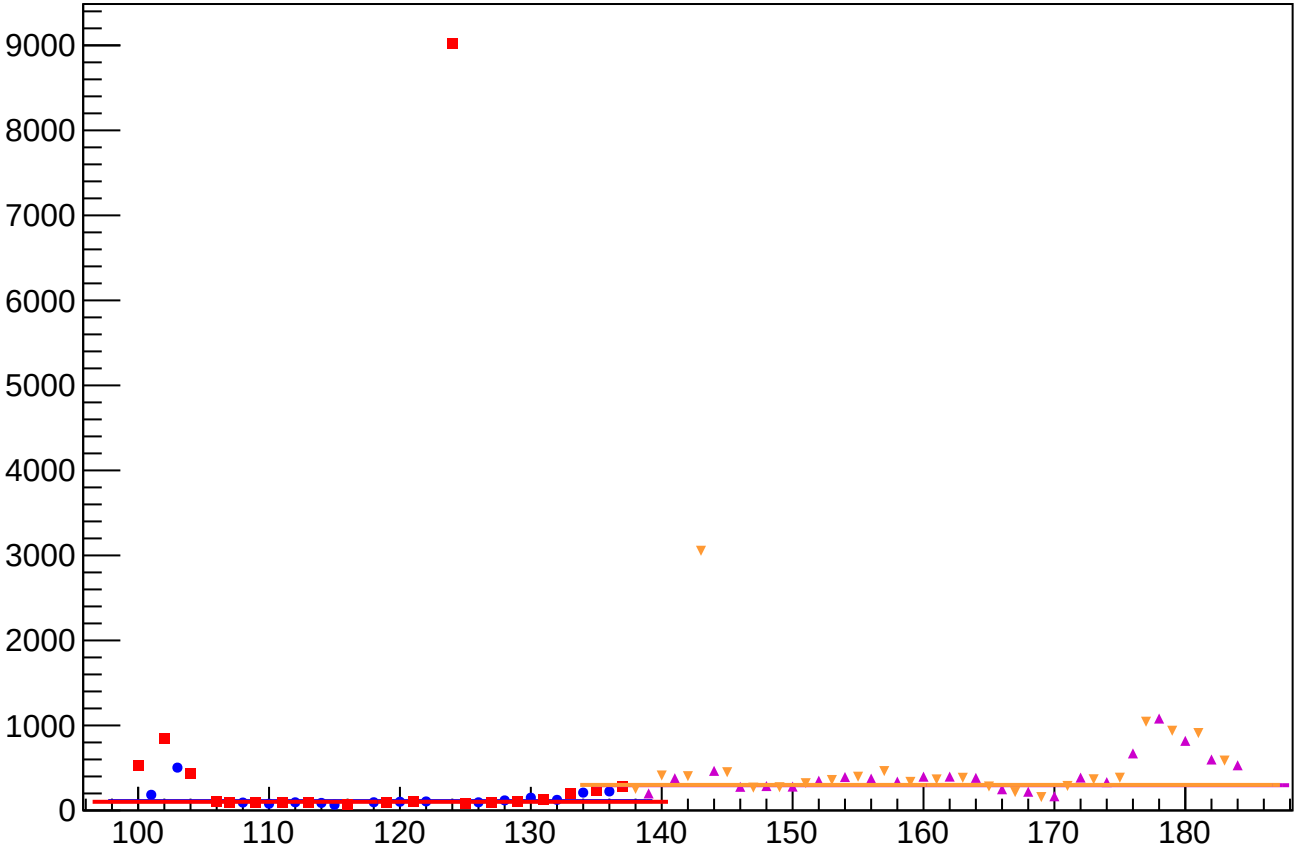
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.9/39

All: 0.003+/-0.027 χ^2/NDF: 86.0/81

- sign -0.022+/-0.038 χ^2/NDF: 47.2/41

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

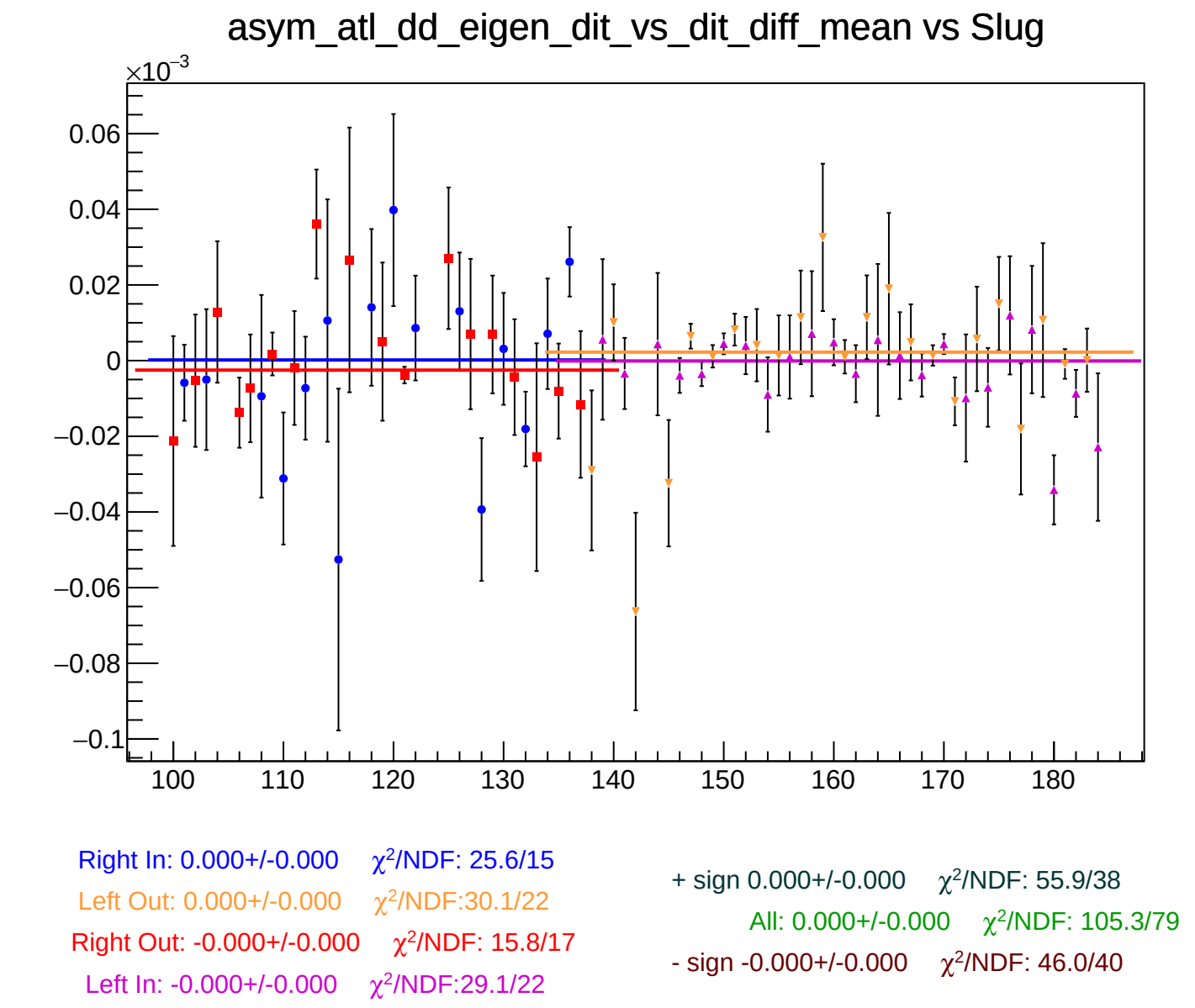
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

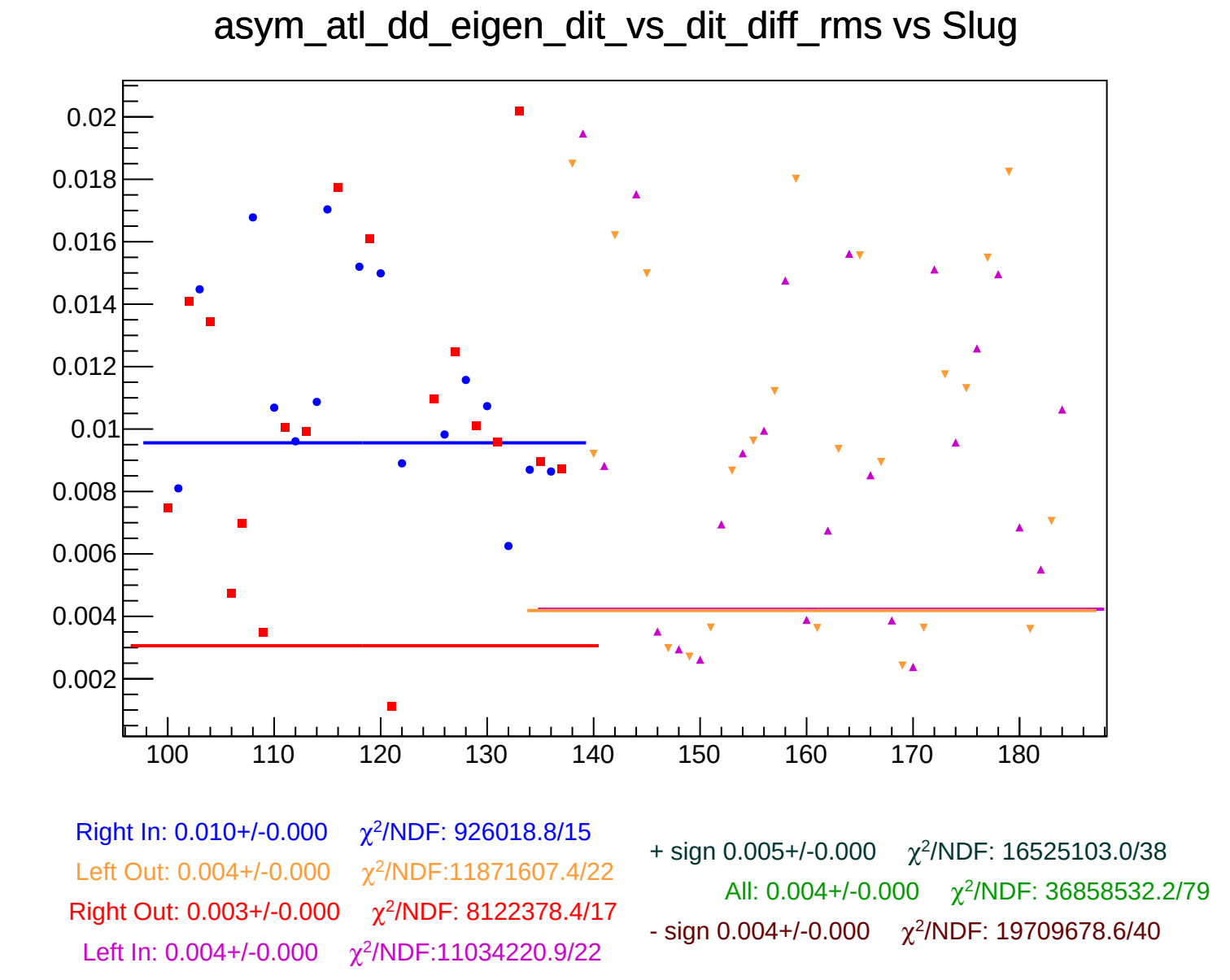
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

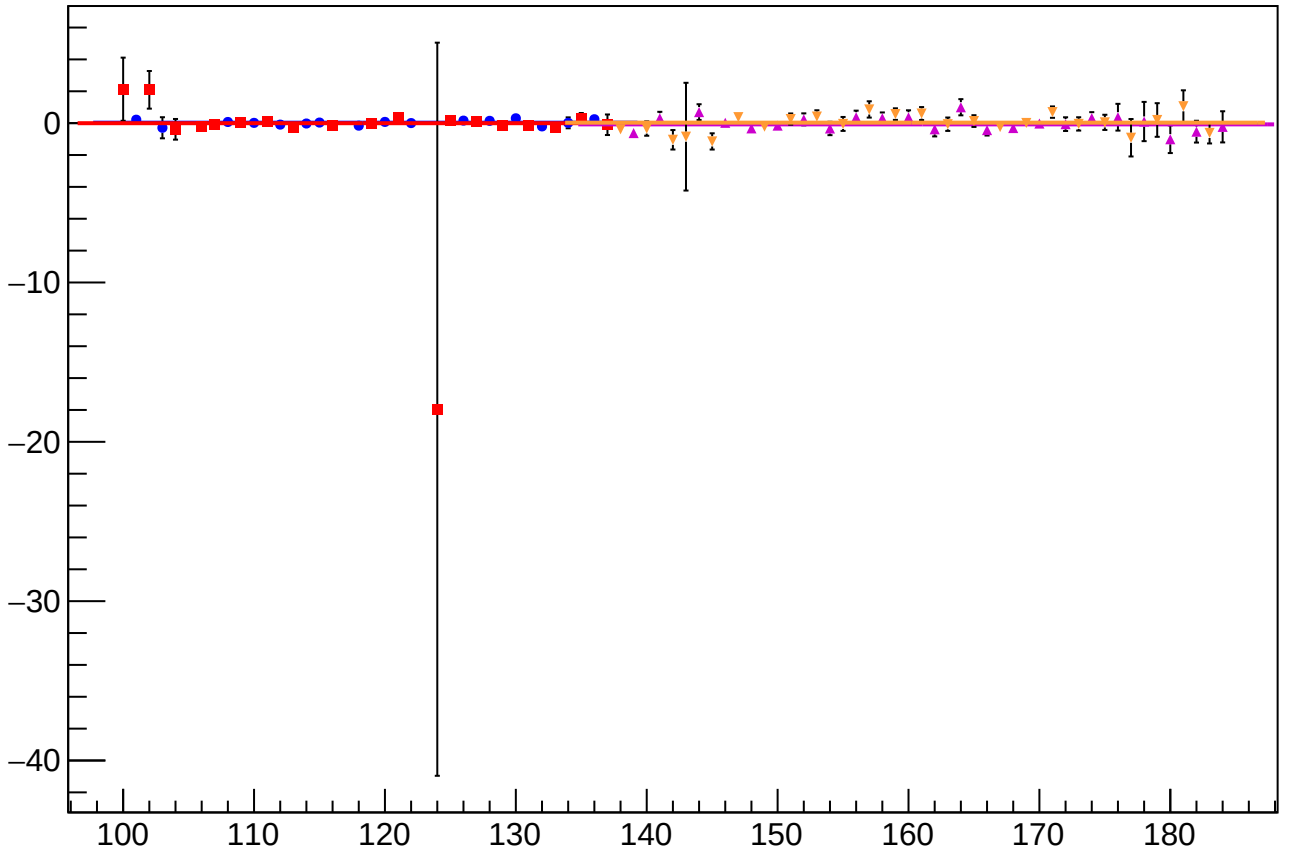
+ sign 158.840+/-0.028 χ^2/NDF: 17593165.5/39

All: 154.262+/-0.019 χ^2/NDF: 35140002.2/81

- sign 150.012+/-0.027 χ^2/NDF: 17493864.9/41


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 25.6/15
Left Out: 0.000+/-0.000 χ²/NDF:30.1/22
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: -0.000+/-0.000 χ²/NDF:29.1/22
+ sign 0.000+/-0.000 χ²/NDF: 55.9/38
All: 0.000+/-0.000 χ²/NDF: 105.3/79
- sign -0.000+/-0.000 χ²/NDF: 46.0/40


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:11871607.4/22
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 16525103.0/38
All: 0.004+/-0.000 χ²/NDF: 36858532.2/79
- sign 0.004+/-0.000 χ²/NDF: 19709678.6/40



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

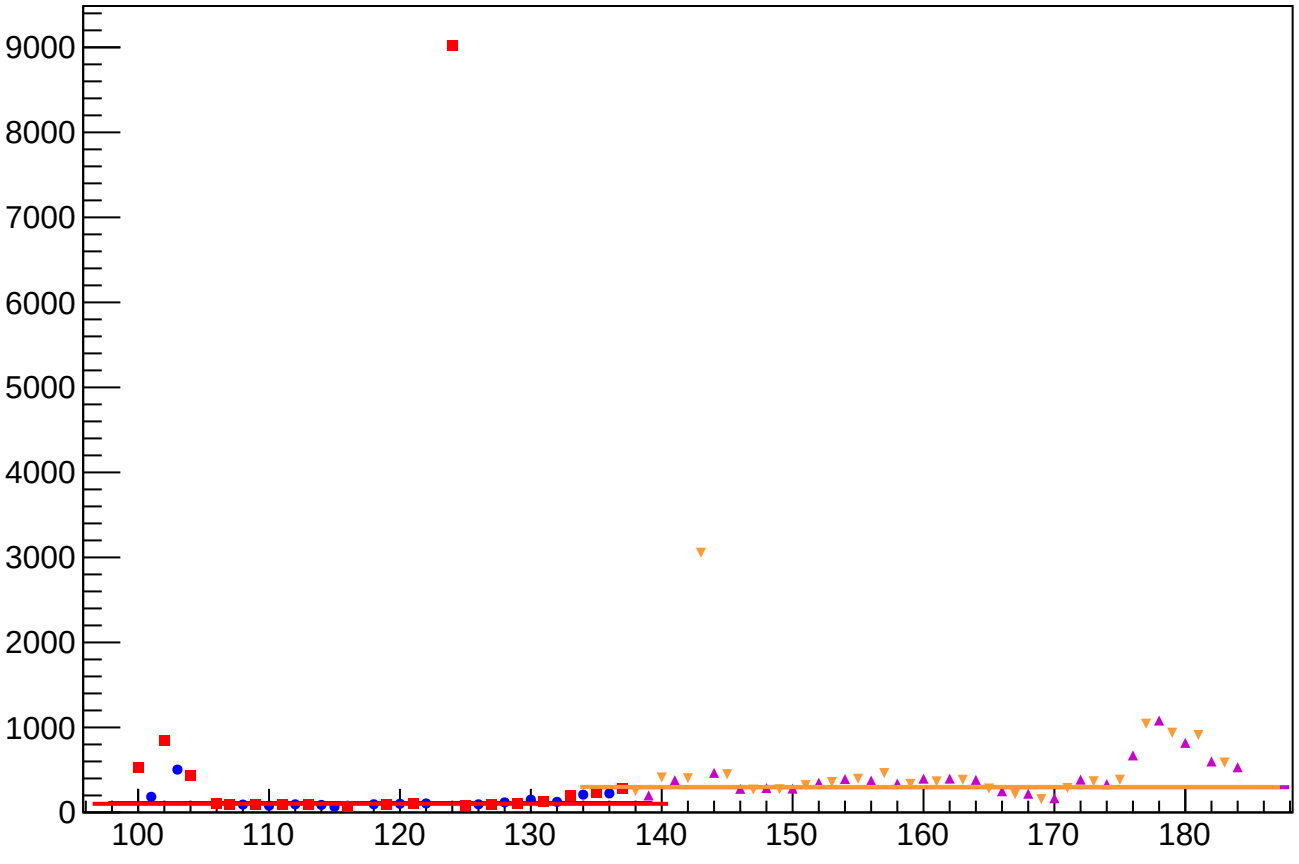
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.9/39

All: 0.003+/-0.027 χ^2/NDF: 86.0/81

- sign -0.022+/-0.038 χ^2/NDF: 47.2/41



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 300.482+/-0.055 χ^2/NDF:6593339.4/23

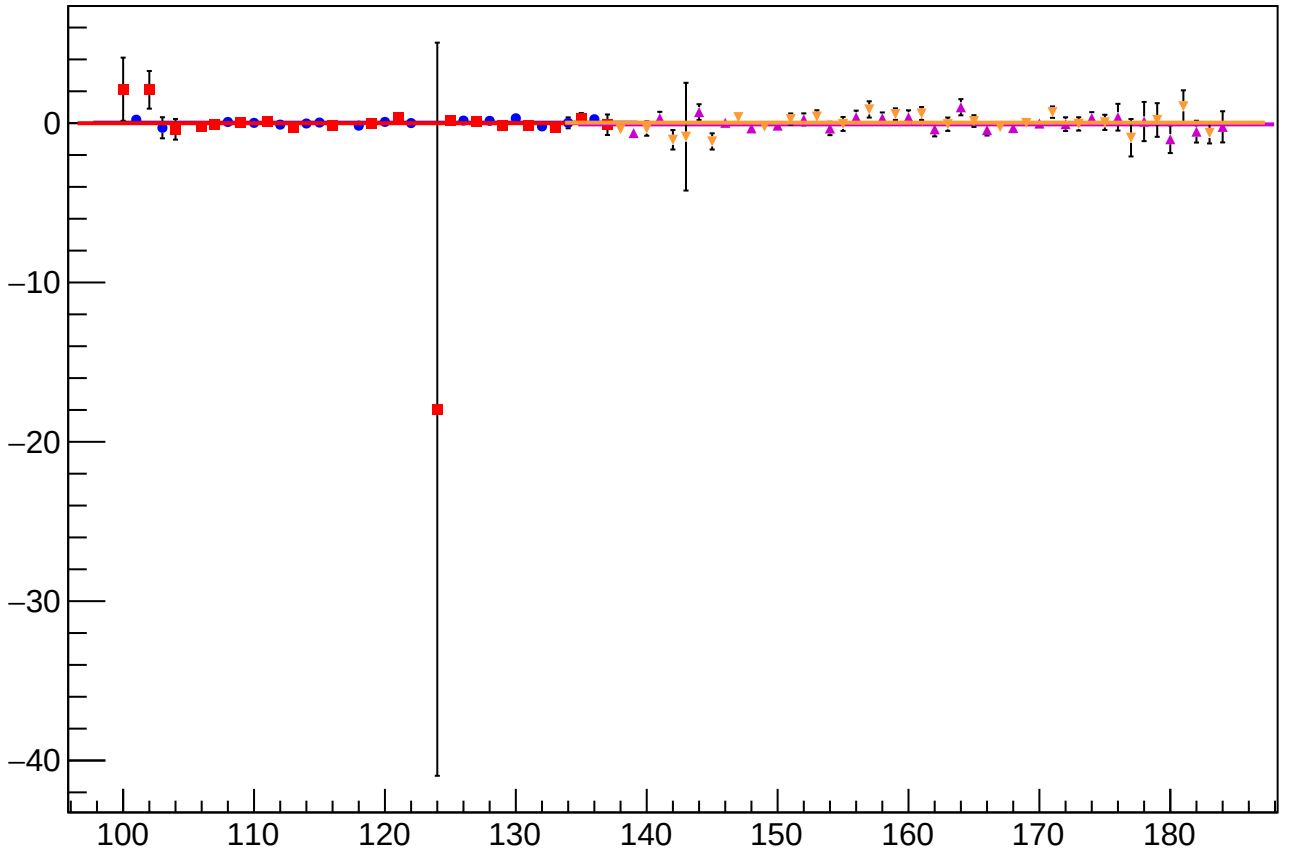
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.841+/-0.028 χ^2/NDF: 17593111.5/39

All: 154.263+/-0.019 χ^2/NDF: 35139815.7/81

- sign 150.013+/-0.027 χ^2/NDF: 17493739.9/41



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.032+/-0.077 χ^2/NDF:29.0/23

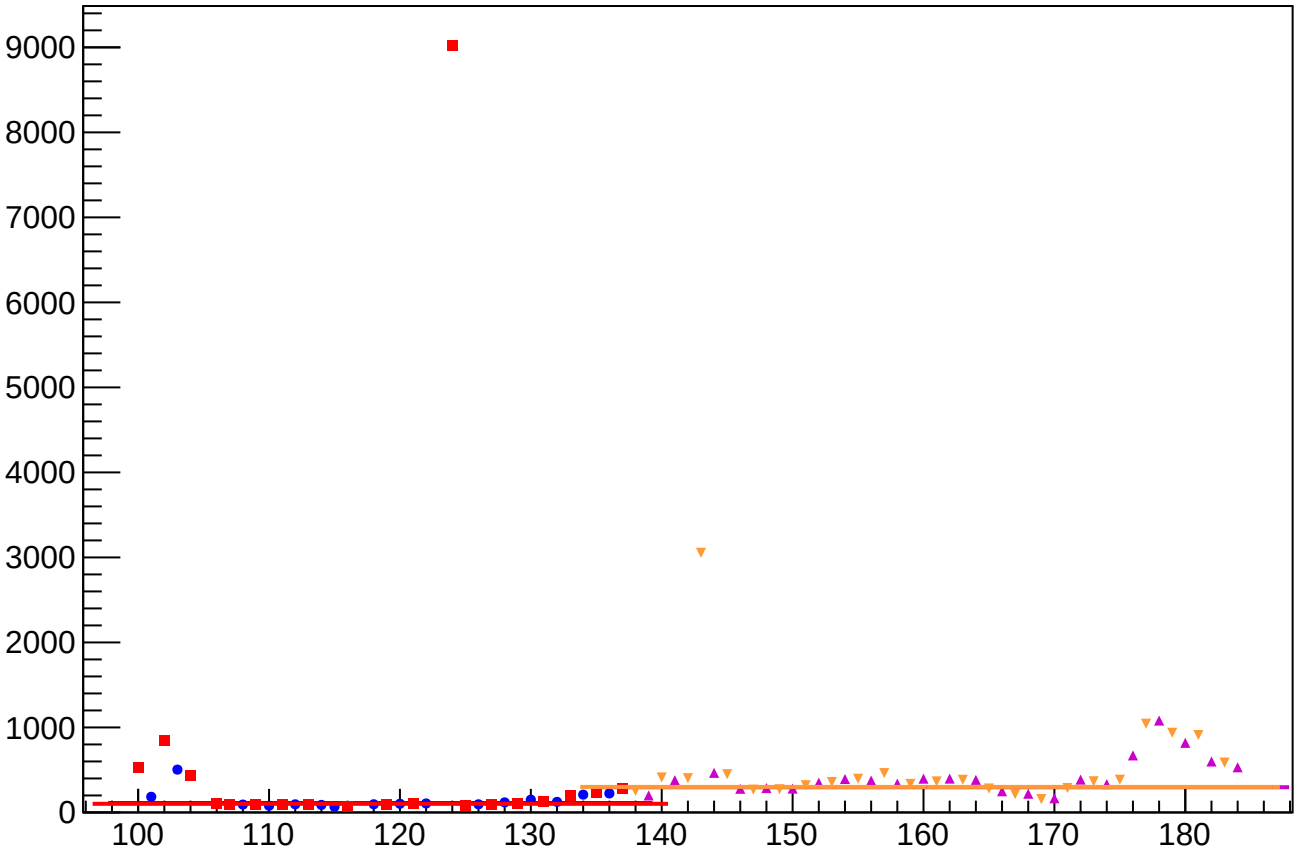
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.9/39

All: 0.003+/-0.027 χ^2/NDF: 86.0/81

- sign -0.022+/-0.038 χ^2/NDF: 47.2/41



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 300.482+/-0.055 χ^2/NDF:6593339.4/23

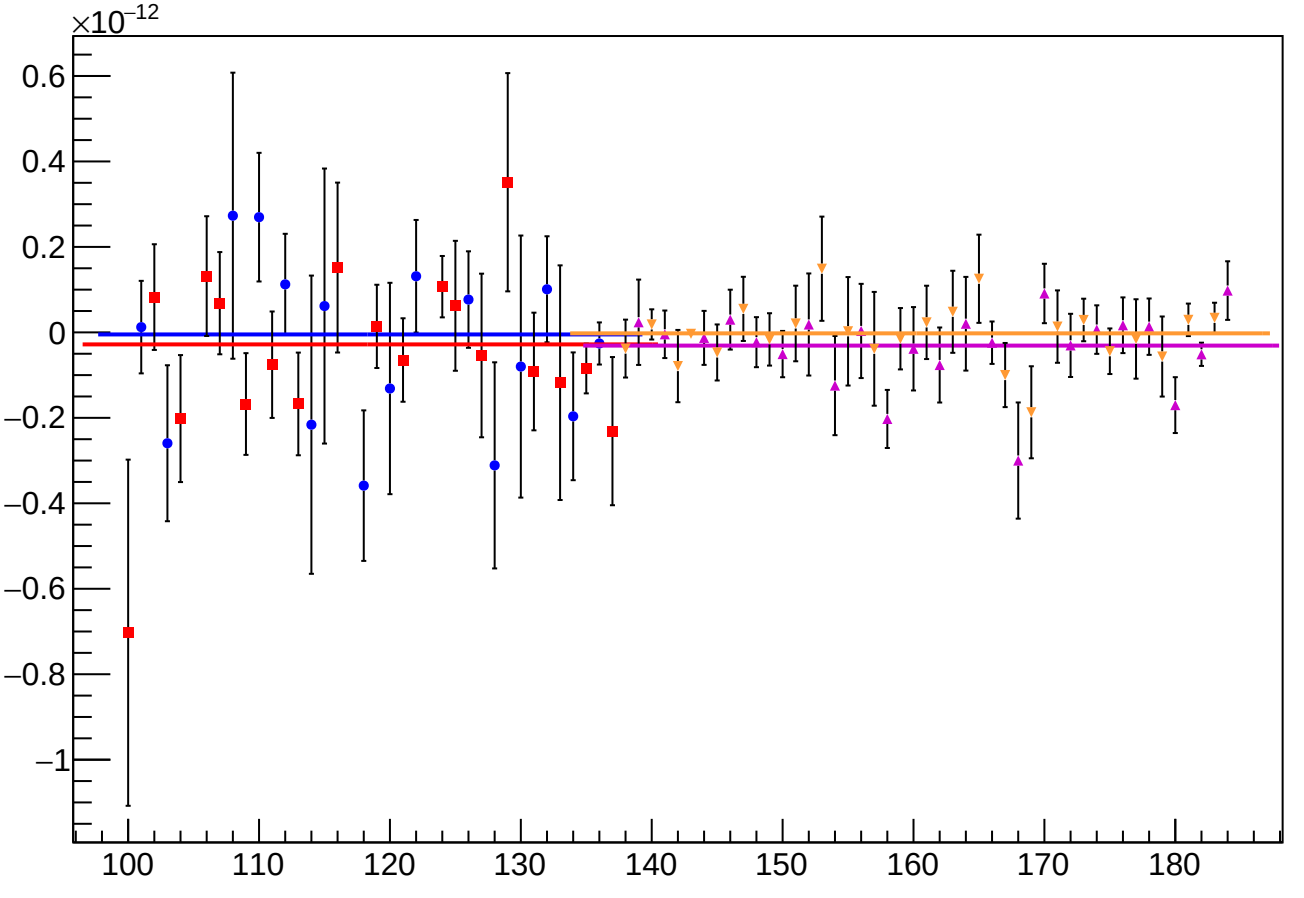
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.841+/-0.028 χ^2/NDF: 17593111.5/39

All: 154.263+/-0.019 χ^2/NDF: 35139815.7/81

- sign 150.013+/-0.027 χ^2/NDF: 17493739.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/23

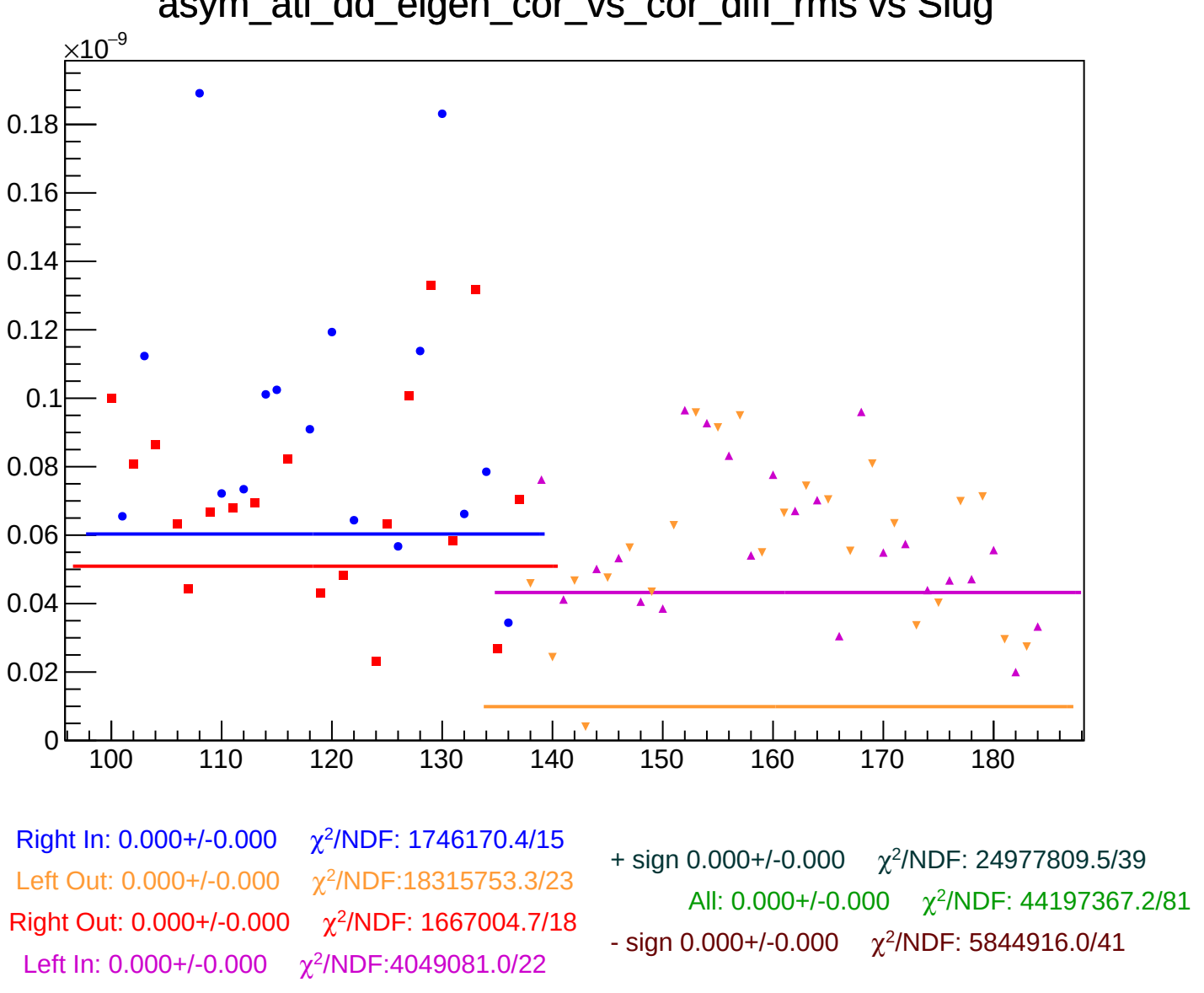
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

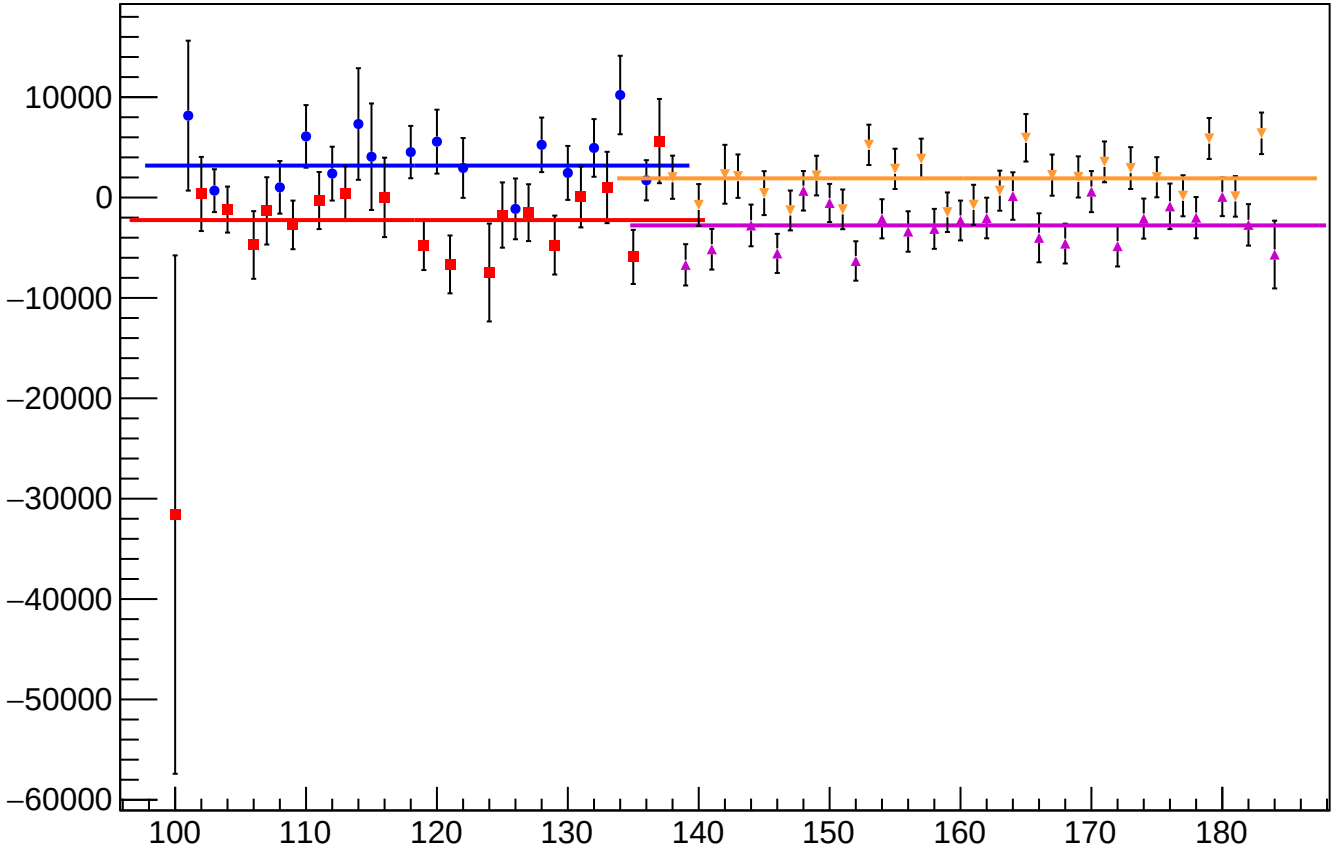
+ sign -0.000+/-0.000 χ^2/NDF: 31.5/39

All: -0.000+/-0.000 χ^2/NDF: 82.2/81

- sign -0.000+/-0.000 χ^2/NDF: 46.0/41


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:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 24977809.5/39
All: 0.000+/-0.000 χ²/NDF: 44197367.2/81
- sign 0.000+/-0.000 χ²/NDF: 5844916.0/41

reg_asym_atr_avg_mean vs Slug



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

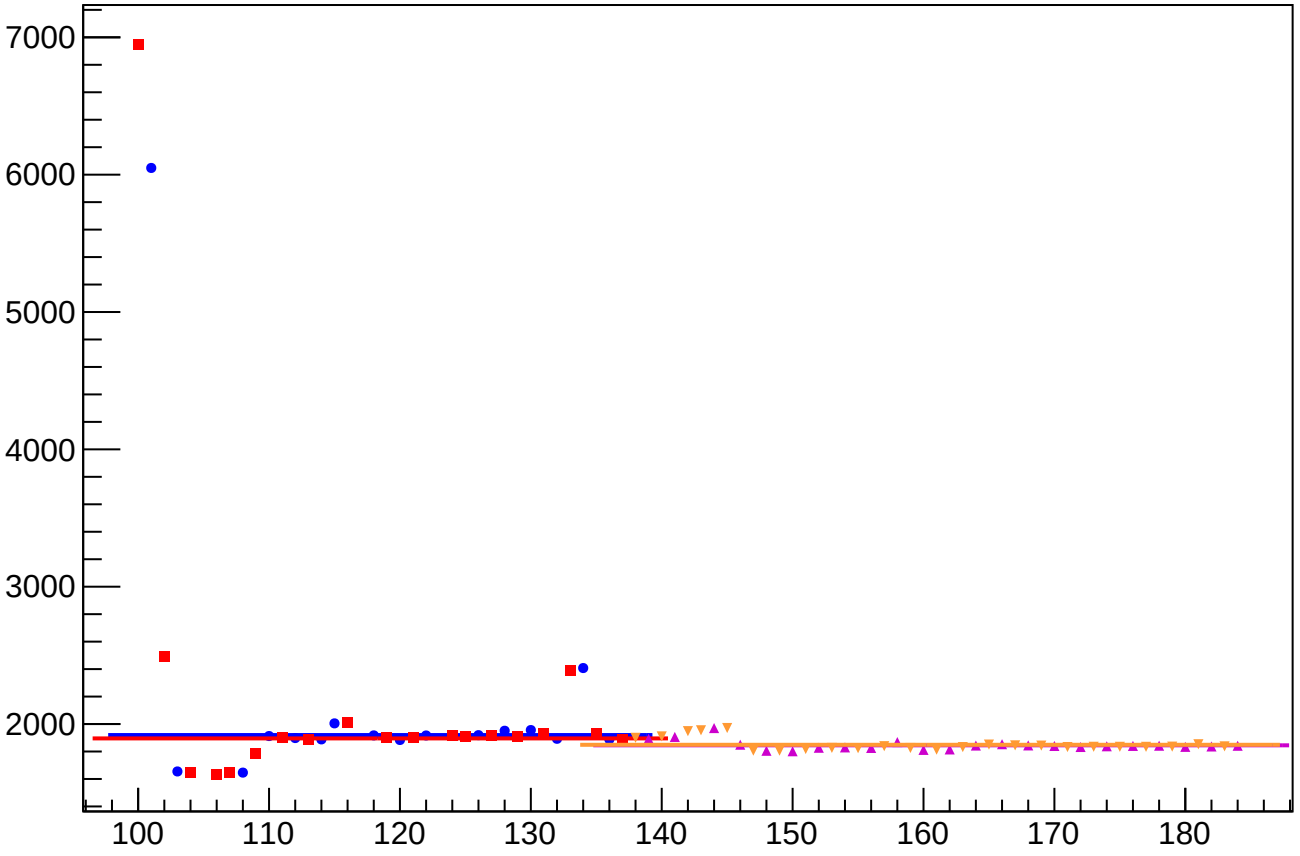
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2231.938+/-366.095 χ^2/NDF: 43.9/39

All: -184.992+/-259.706 χ^2/NDF: 174.0/81

- sign -2633.462+/-368.476 χ^2/NDF: 42.4/41

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

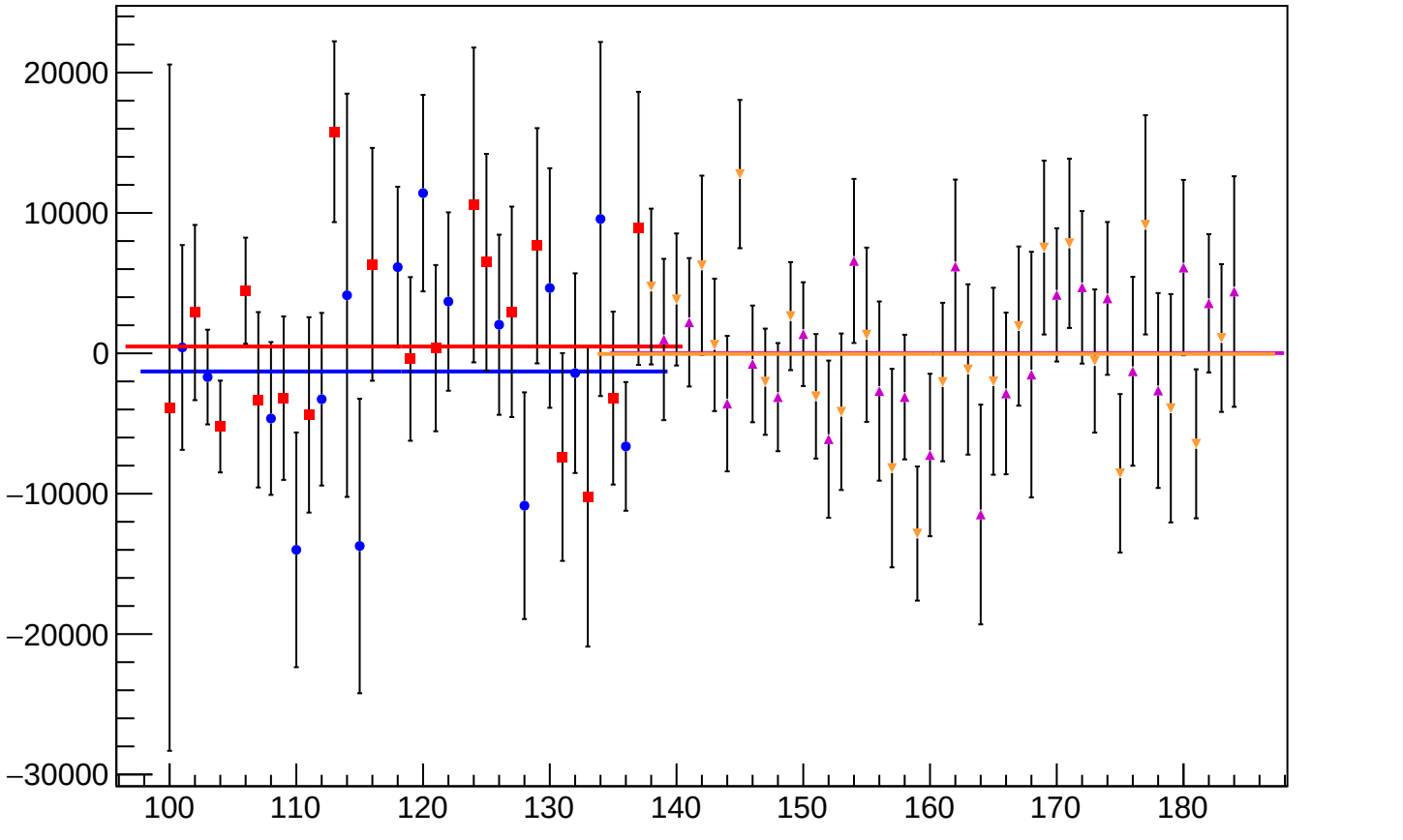
Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1866.684+/-0.259 χ^2/NDF: 732203.4/39

All: 1862.686+/-0.184 χ^2/NDF: 976343.0/81

- sign 1858.643+/-0.260 χ^2/NDF: 243659.8/41



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

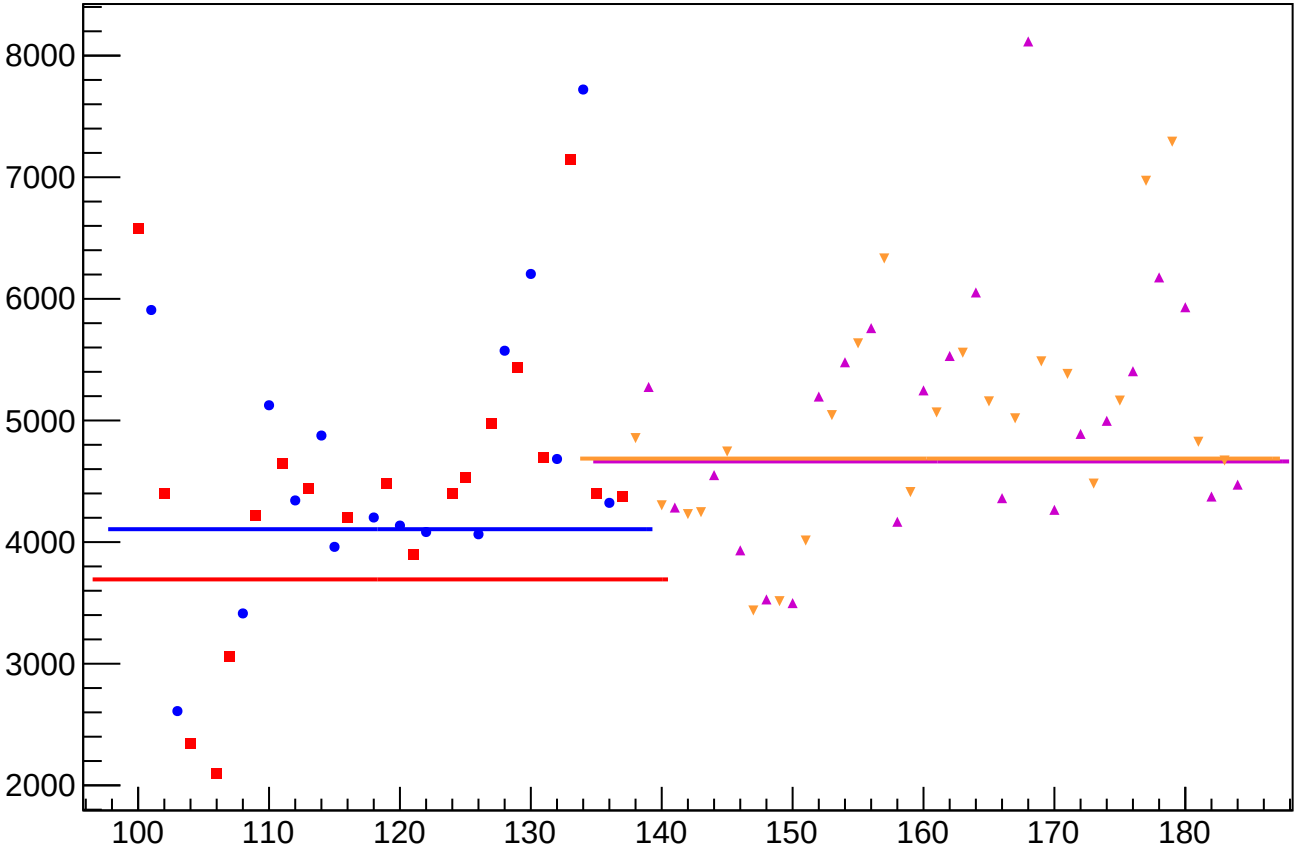
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -443.593+/-901.770 χ^2/NDF: 42.3/39

All: -116.995+/-629.747 χ^2/NDF: 73.6/81

- sign 193.902+/-879.828 χ^2/NDF: 31.1/41

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4686.783+/-0.775 χ^2/NDF:1185042.0/23

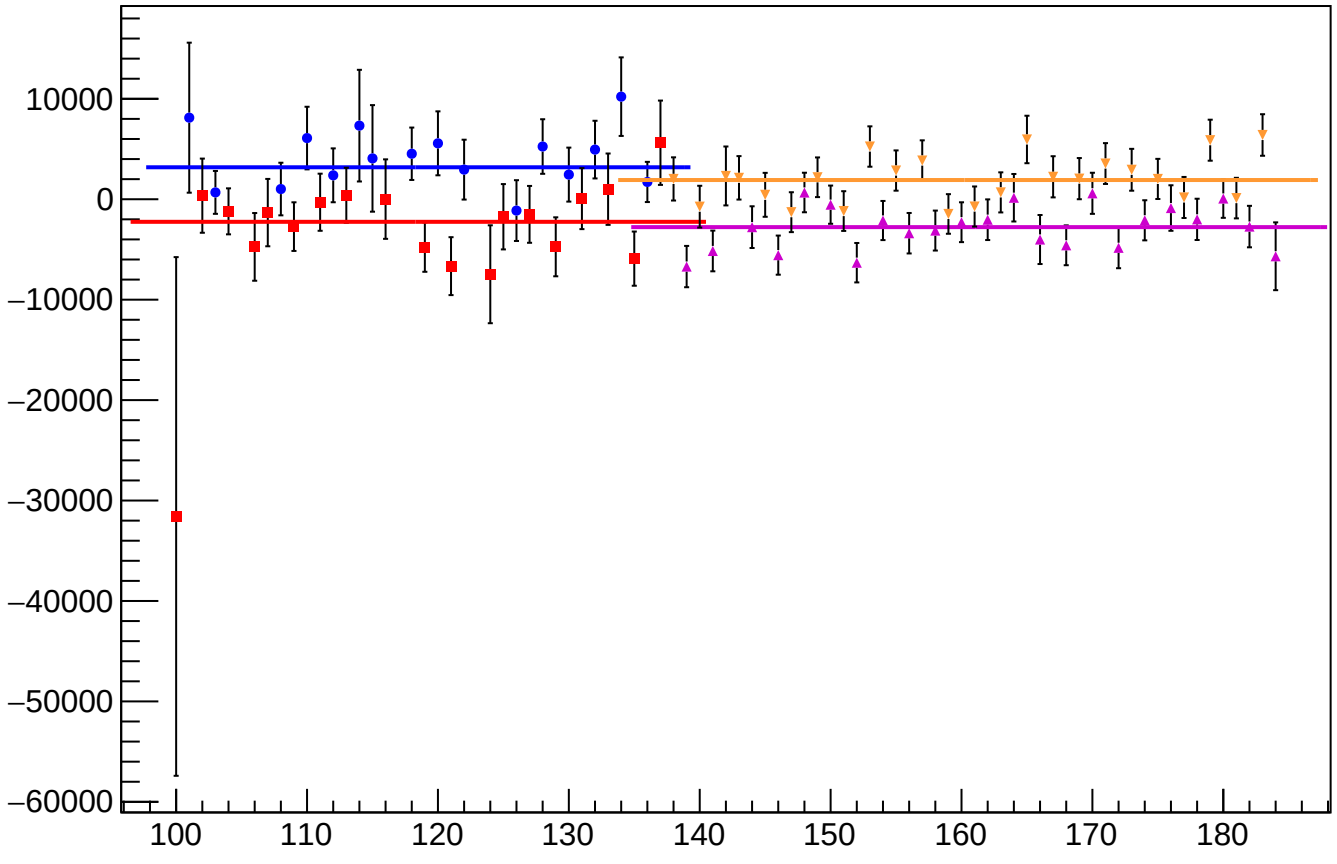
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4498.936+/-0.638 χ^2/NDF: 2322643.6/39

All: 4396.957+/-0.445 χ^2/NDF: 5585475.9/81

- sign 4299.880+/-0.622 χ^2/NDF: 3212906.6/41



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

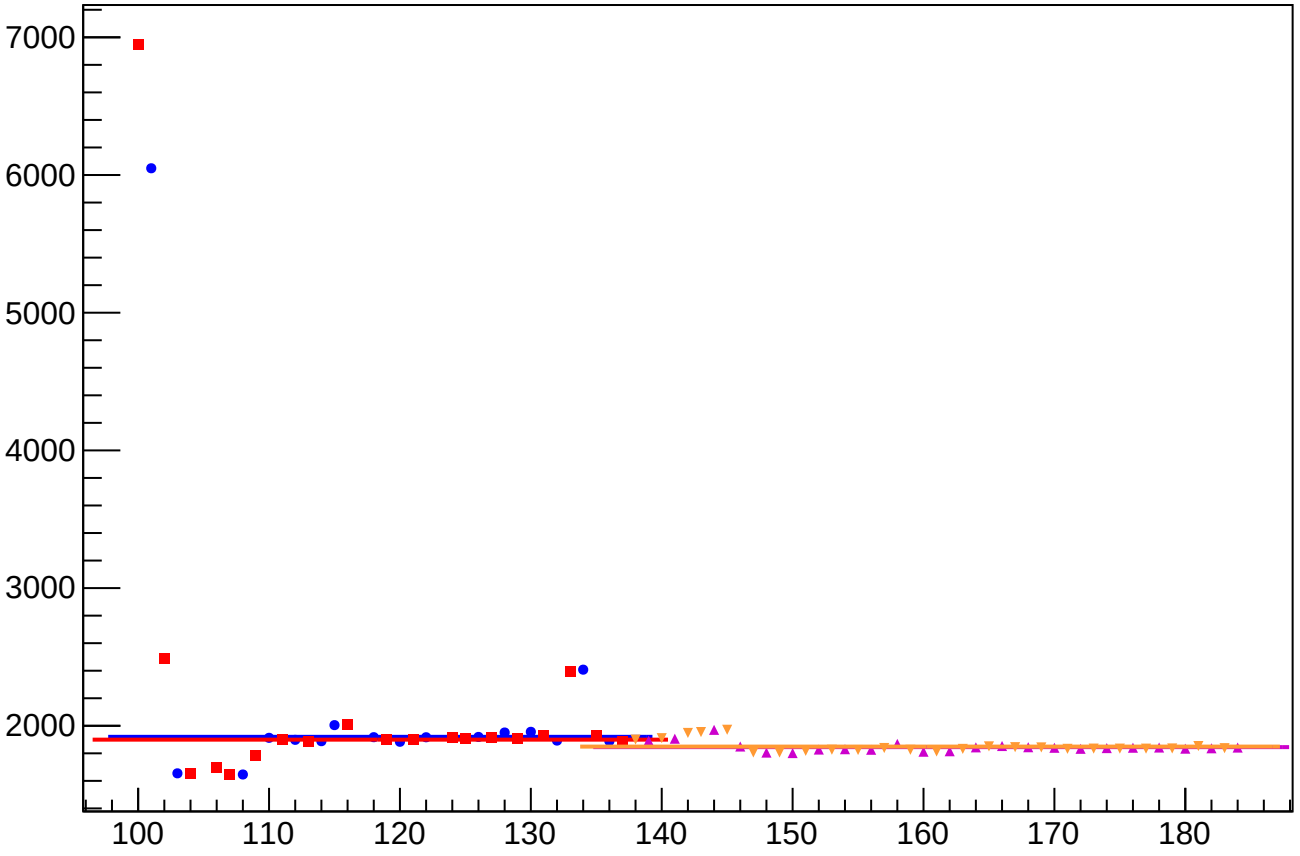
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2231.684+/-366.095 χ^2/NDF: 43.9/39

All: -185.260+/-259.706 χ^2/NDF: 174.0/81

- sign -2633.751+/-368.476 χ^2/NDF: 42.4/41

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

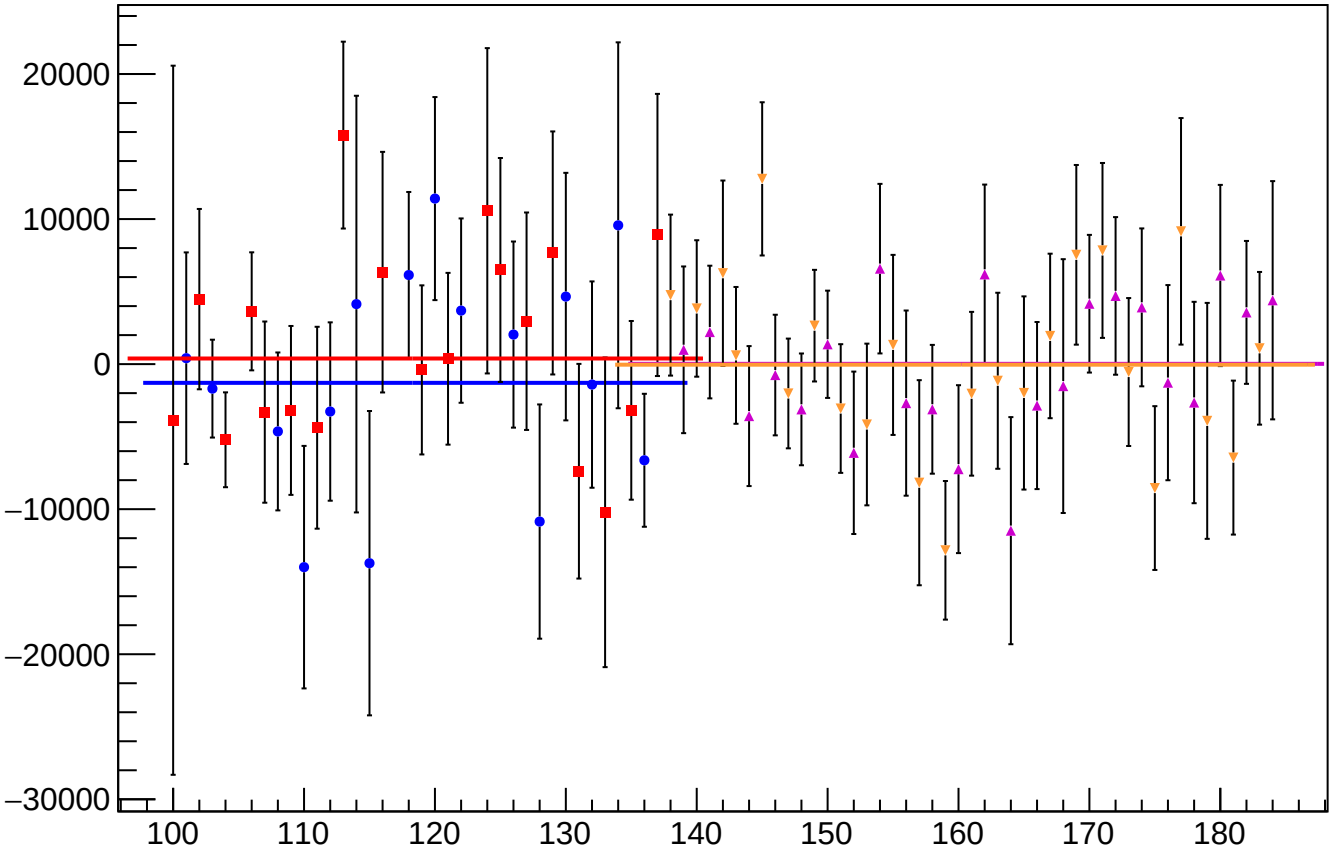
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1866.684+/-0.259 χ^2/NDF: 732202.7/39

All: 1863.205+/-0.184 χ^2/NDF: 970800.4/81

- sign 1859.683+/-0.260 χ^2/NDF: 238234.2/41



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

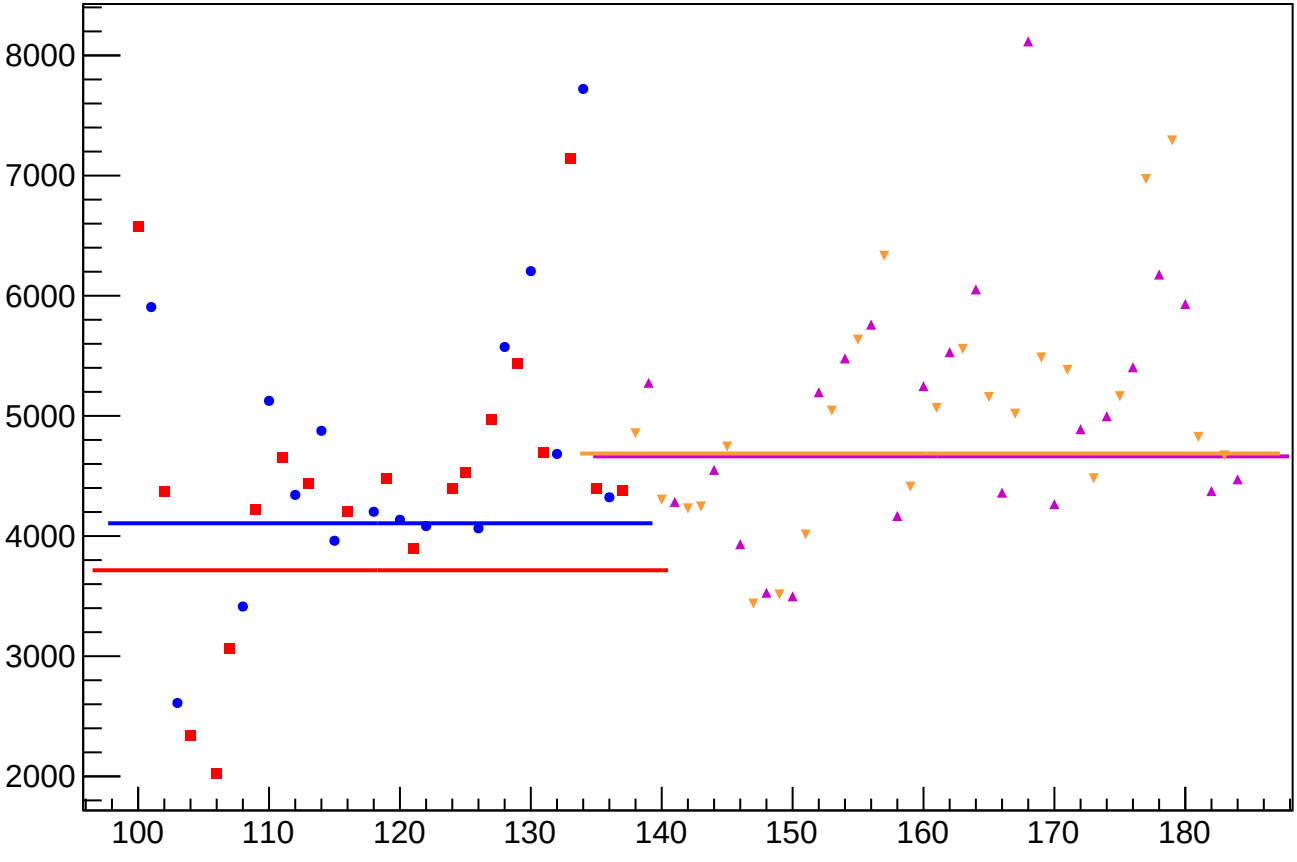
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -443.723+/-901.769 χ^2/NDF: 42.3/39

All: -137.720+/-630.915 χ^2/NDF: 73.3/81

- sign 155.692+/-883.024 χ^2/NDF: 30.8/41

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

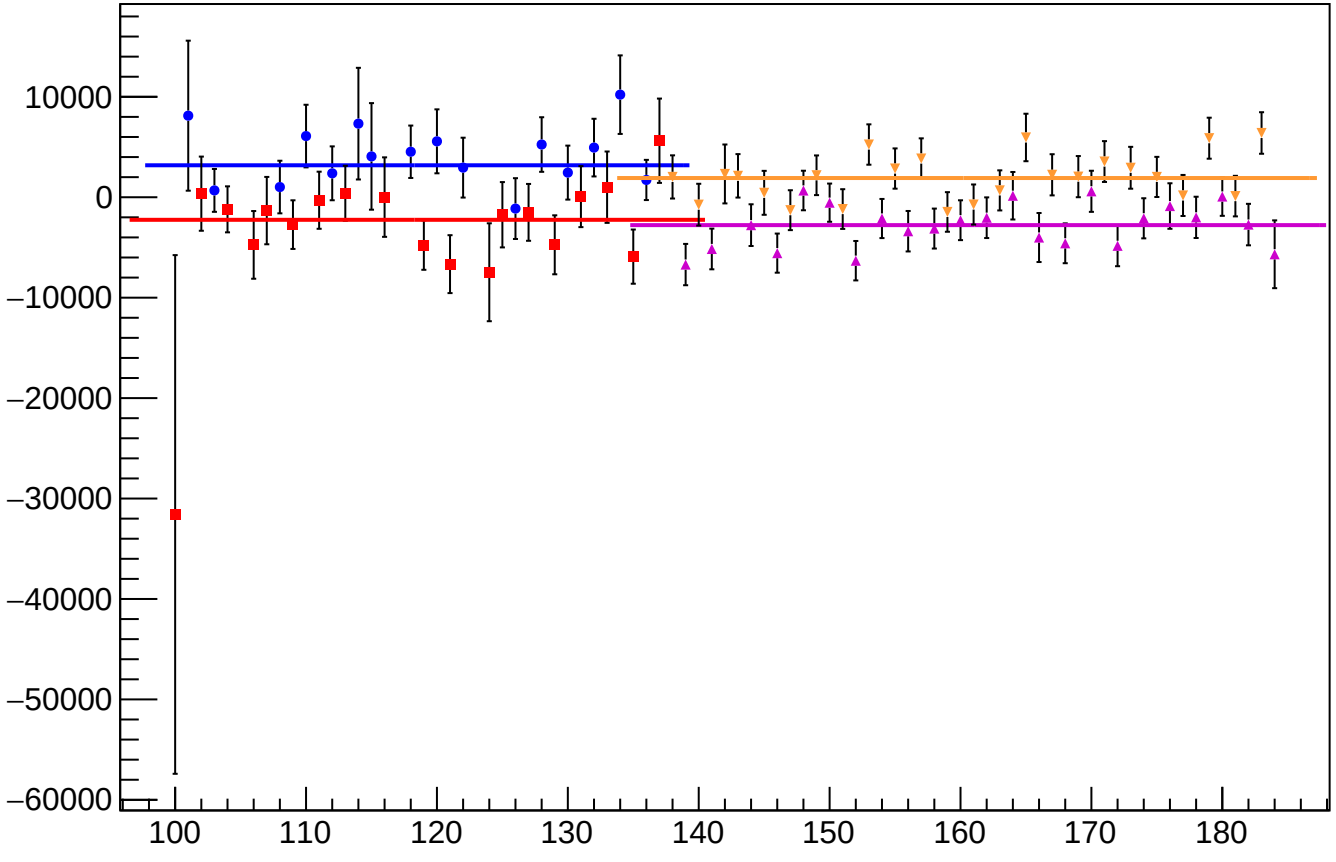
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4498.961+/-0.638 χ^2/NDF: 2322106.5/39

All: 4403.728+/-0.446 χ^2/NDF: 5525083.9/81

- sign 4312.414+/-0.624 χ^2/NDF: 3159284.1/41

eigen_cor_asym_atr_avg_mean vs Slug



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

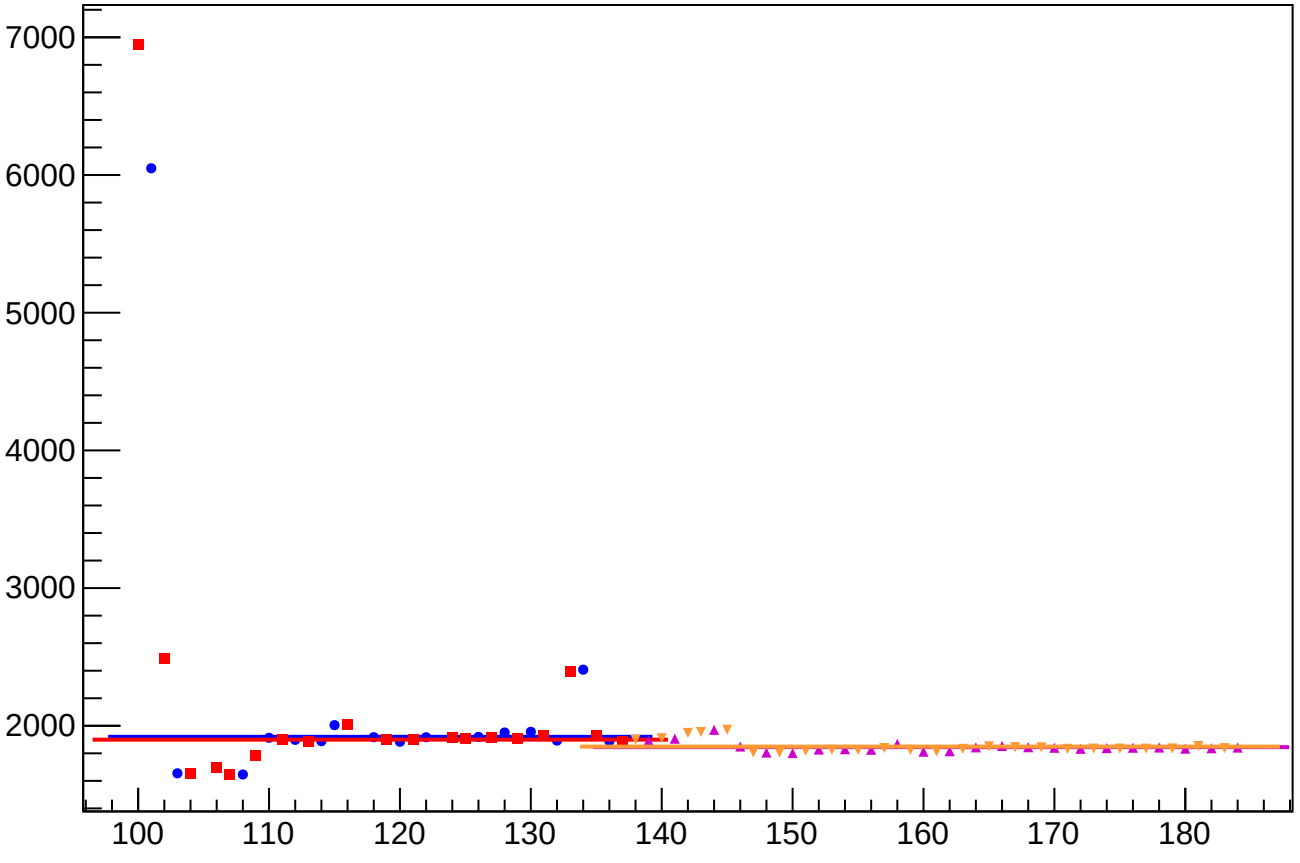
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2231.684+/-366.095 χ^2/NDF: 43.9/39

All: -185.260+/-259.706 χ^2/NDF: 174.0/81

- sign -2633.751+/-368.476 χ^2/NDF: 42.4/41

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

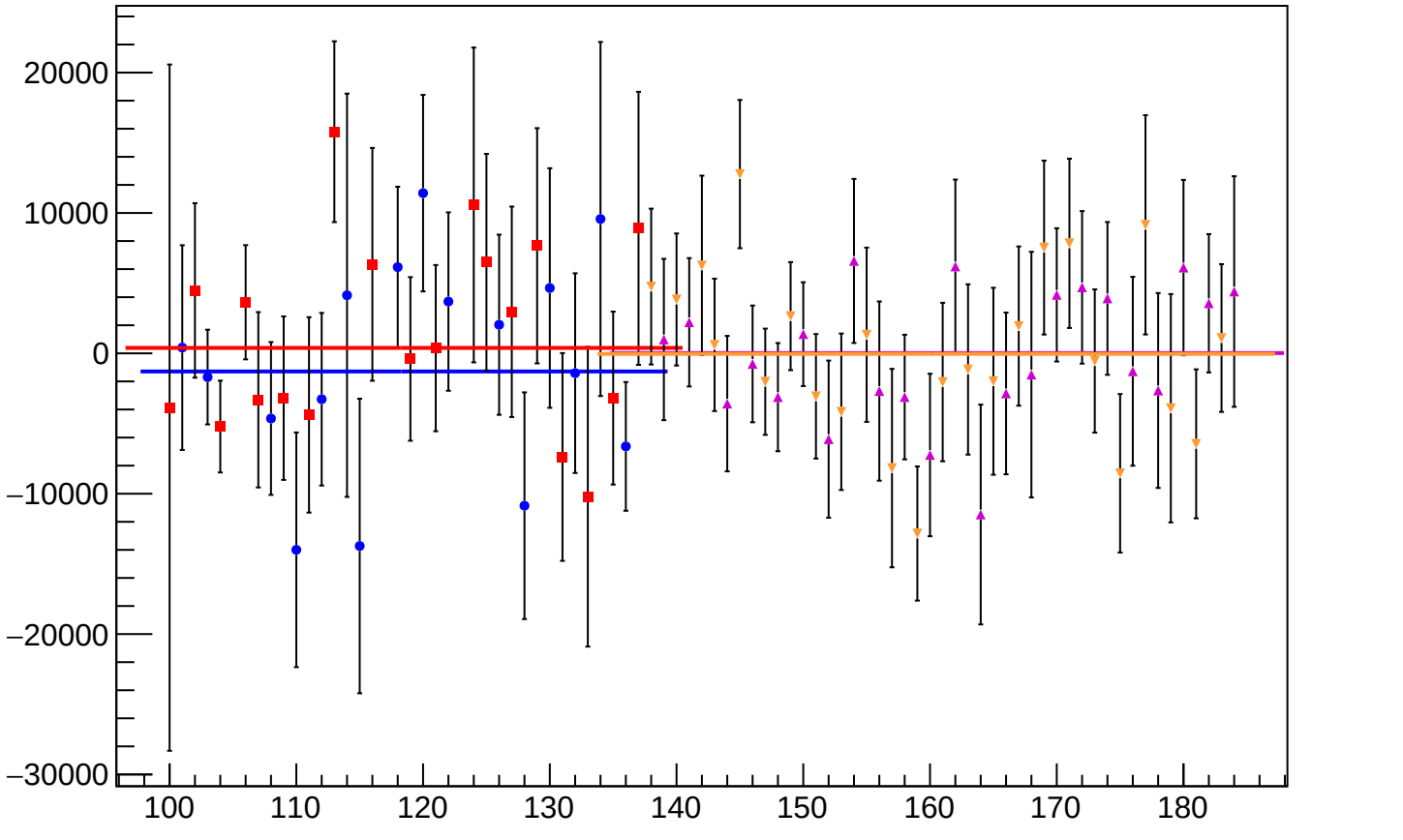
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1866.684+/-0.259 χ^2/NDF: 732202.7/39

All: 1863.205+/-0.184 χ^2/NDF: 970800.4/81

- sign 1859.683+/-0.260 χ^2/NDF: 238234.2/41



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -38.596+/-1096.393 χ^2/NDF:27.6/23

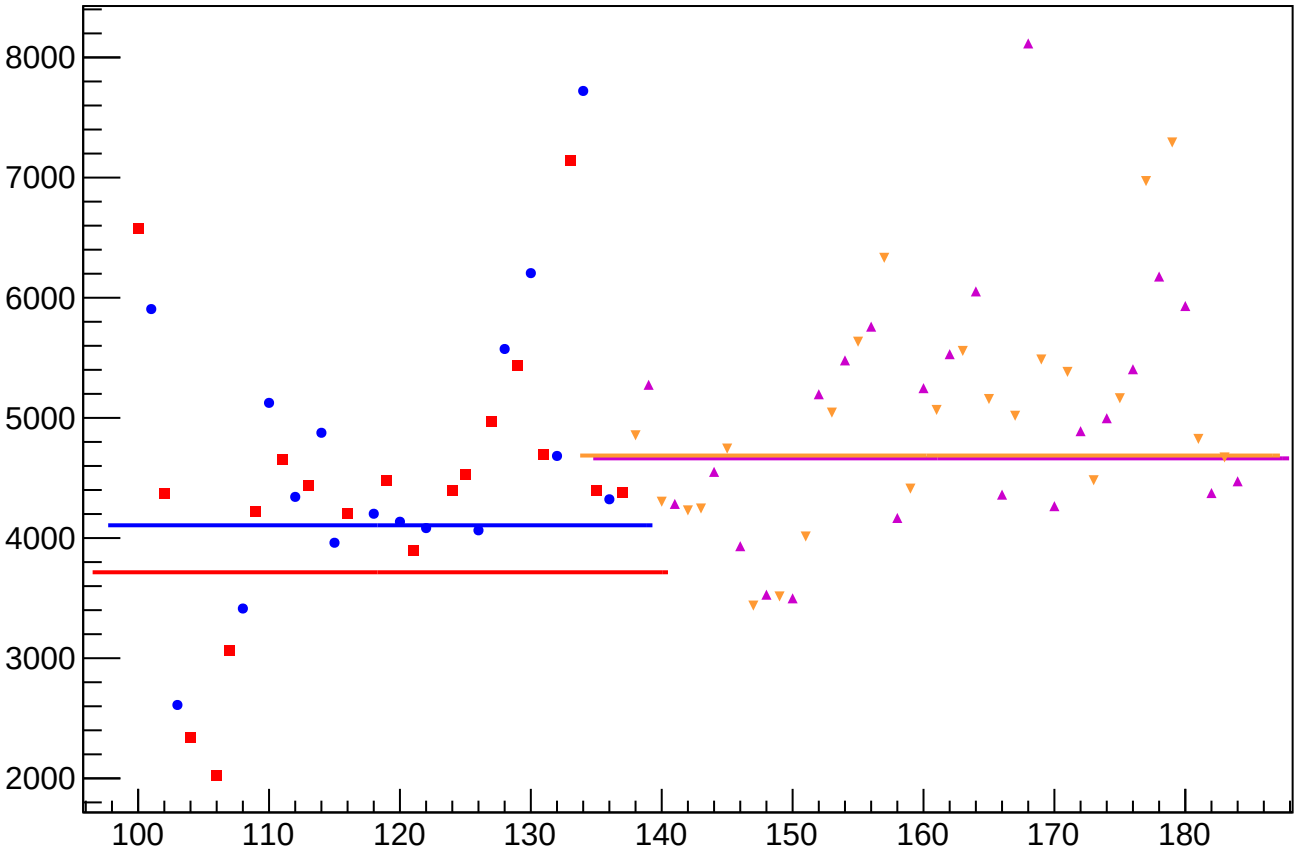
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

\+ sign -443.723+/-901.769 χ^2/NDF: 42.3/39

All: -137.720+/-630.915 χ^2/NDF: 73.3/81

\- sign 155.692+/-883.024 χ^2/NDF: 30.8/41



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4686.774+/-0.775 χ^2/NDF:1185067.4/23

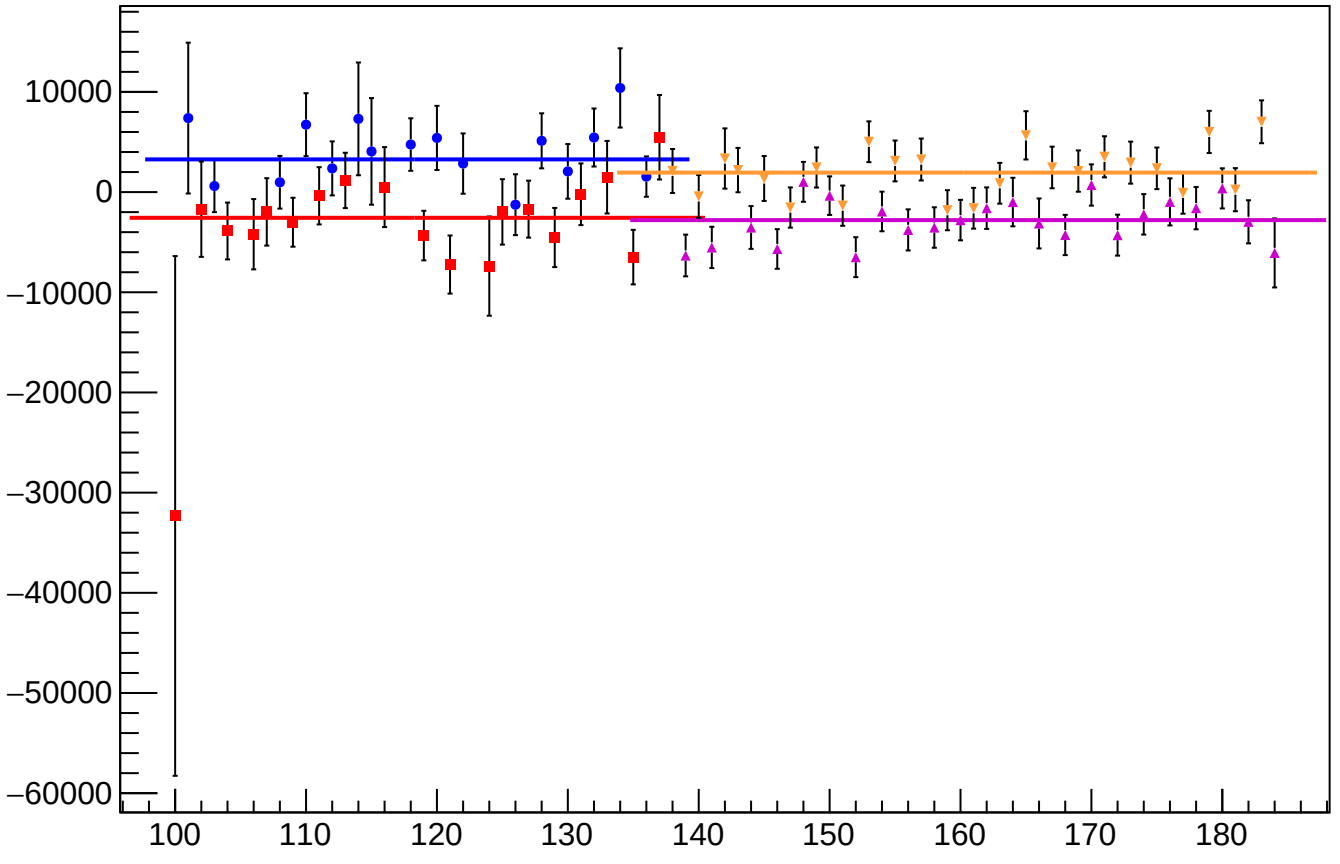
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4498.961+/-0.638 χ^2/NDF: 2322106.5/39

All: 4403.728+/-0.446 χ^2/NDF: 5525083.9/81

- sign 4312.414+/-0.624 χ^2/NDF: 3159284.1/41



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

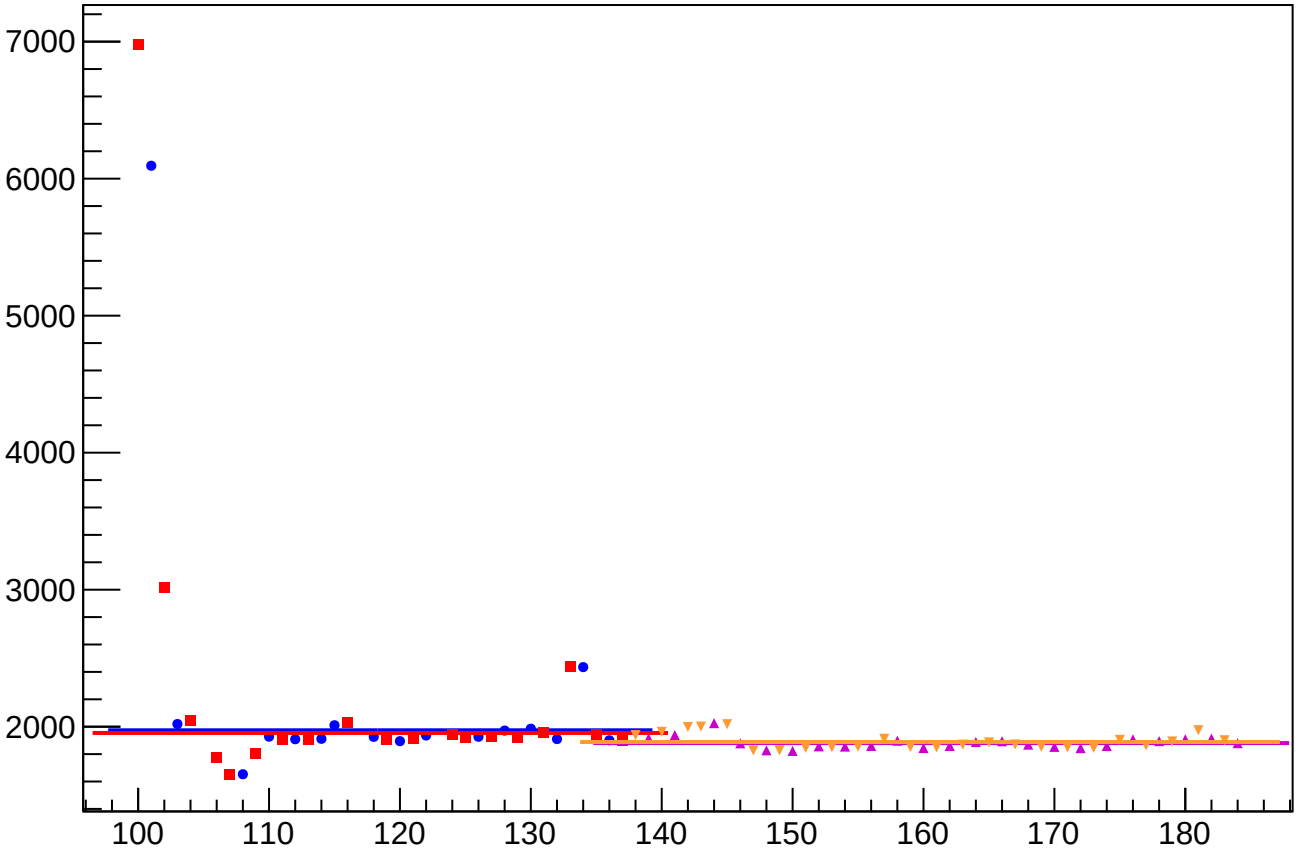
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2273.095+/-374.477 χ^2/NDF: 45.9/39

All: -215.195+/-265.690 χ^2/NDF: 177.3/81

- sign -2737.435+/-377.022 χ^2/NDF: 42.5/41

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

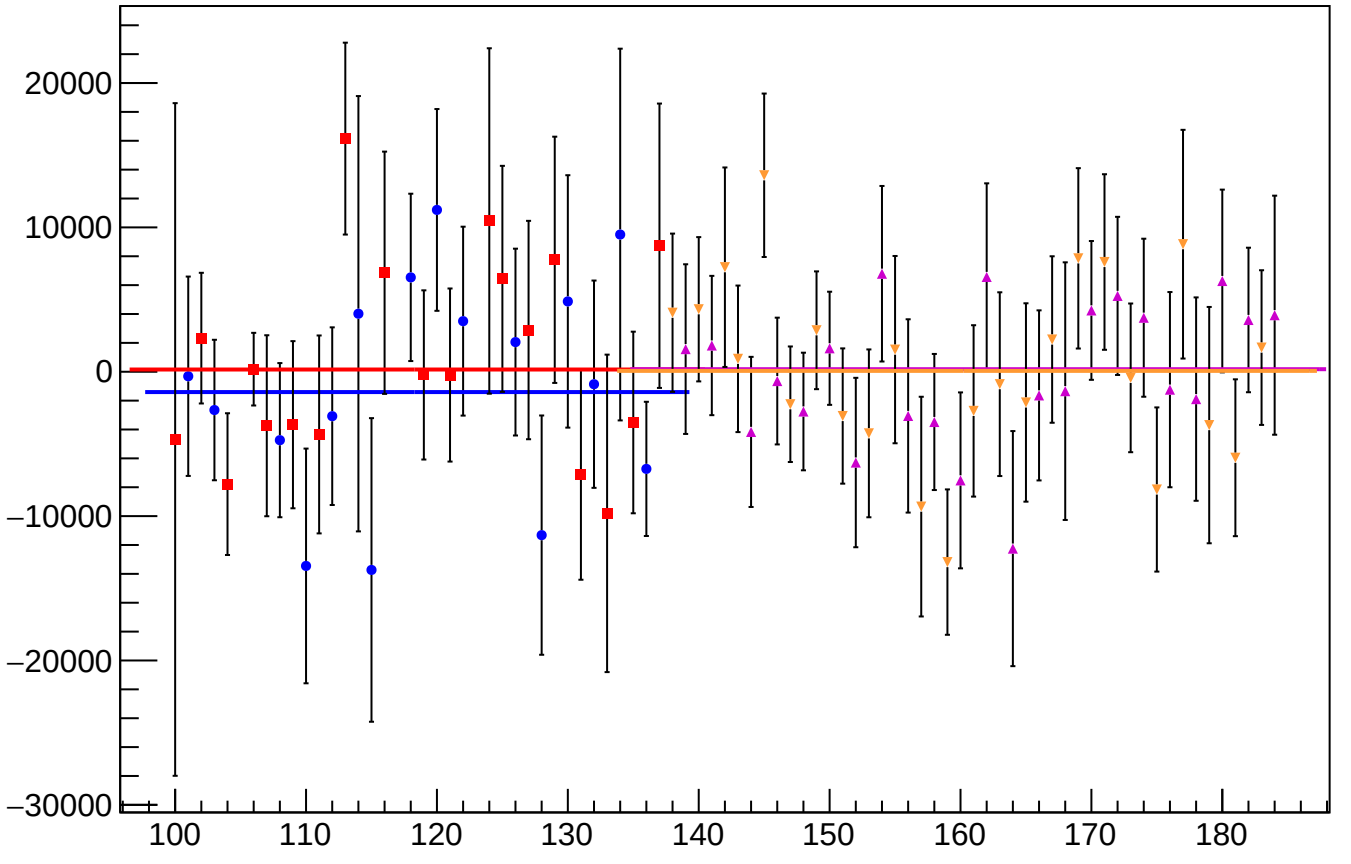
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1909.513+/-0.265 χ^2/NDF: 716190.4/39

All: 1904.795+/-0.188 χ^2/NDF: 996944.3/81

- sign 1900.016+/-0.267 χ^2/NDF: 280114.9/41



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

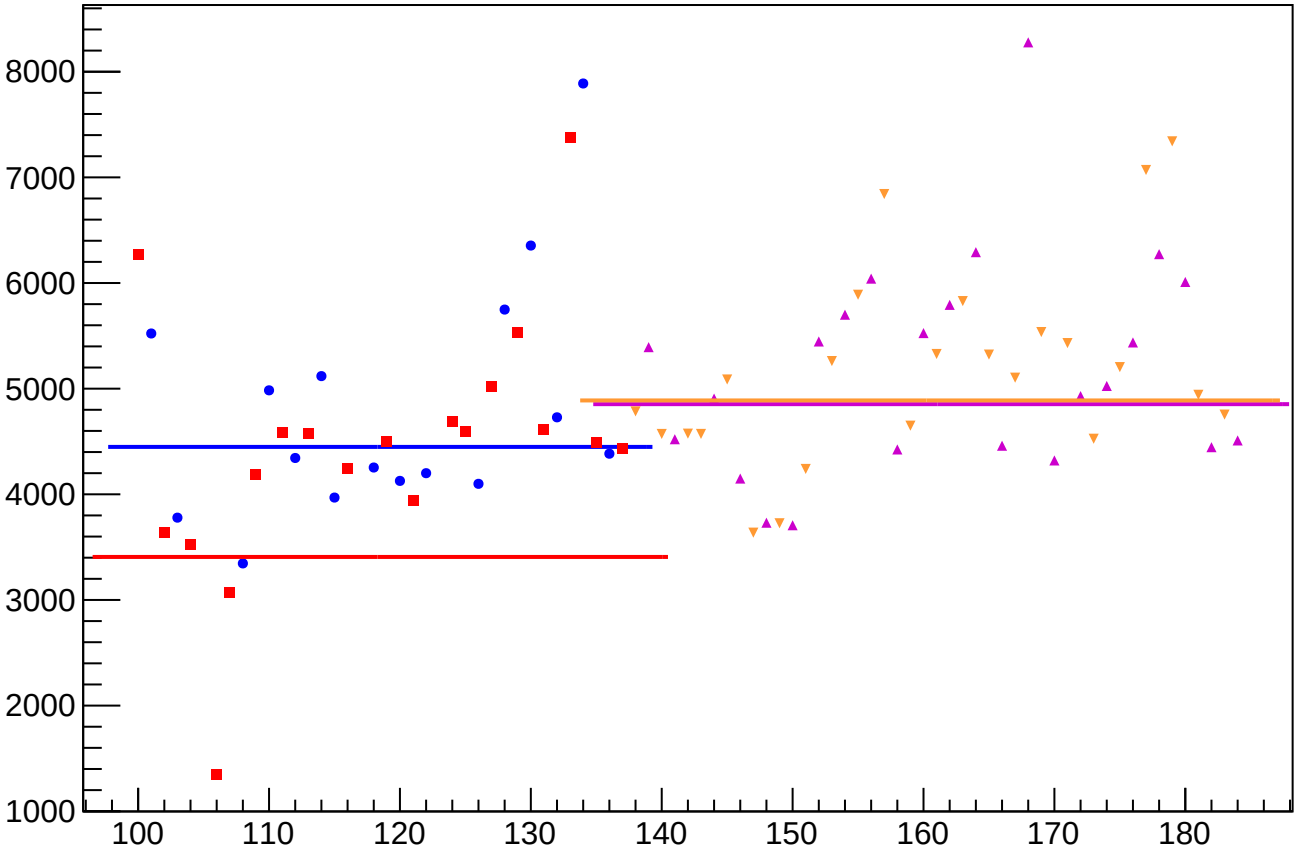
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

\+ sign -399.234+/-945.847 χ^2/NDF: 41.6/39

All: -95.772+/-644.988 χ^2/NDF: 71.1/81

\- sign 167.993+/-881.816 χ^2/NDF: 29.4/41

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4888.485+/-0.807 χ^2/NDF:1063251.1/23

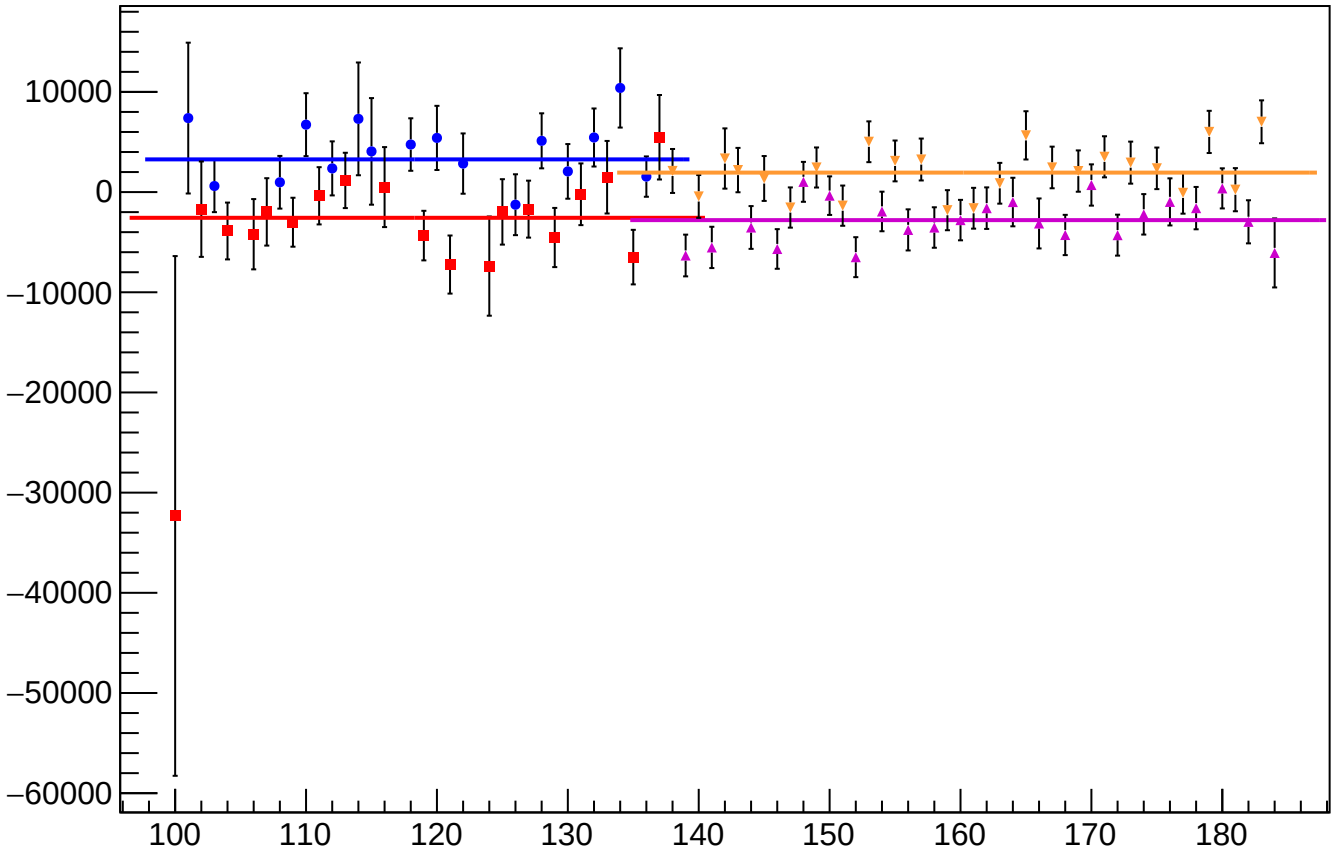
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4750.731+/-0.669 χ^2/NDF: 1650874.1/39

All: 4482.089+/-0.456 χ^2/NDF: 6766027.7/81

- sign 4248.588+/-0.624 χ^2/NDF: 4813582.9/41



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

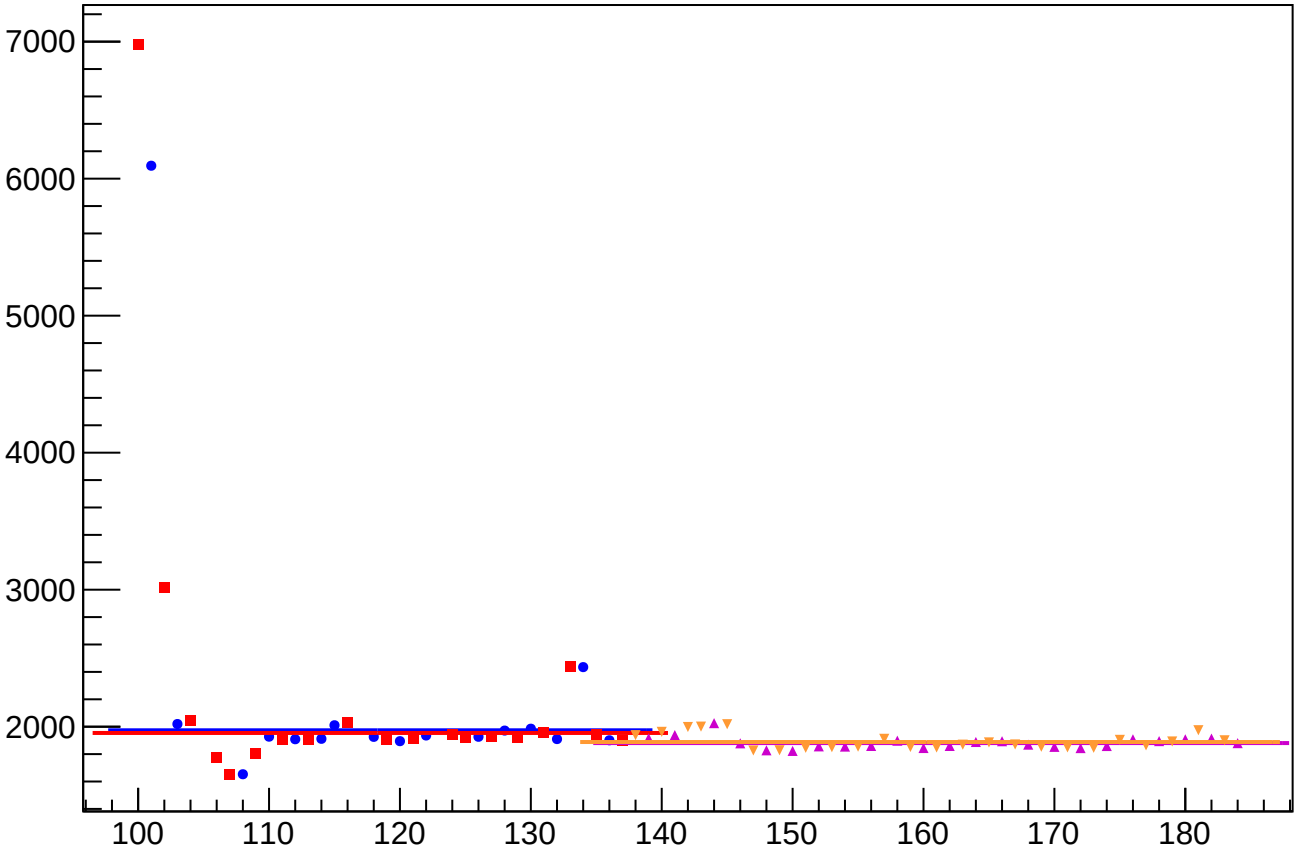
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2273.093+/-374.477 χ^2/NDF: 45.9/39

All: -215.197+/-265.690 χ^2/NDF: 177.3/81

- sign -2737.436+/-377.023 χ^2/NDF: 42.5/41

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

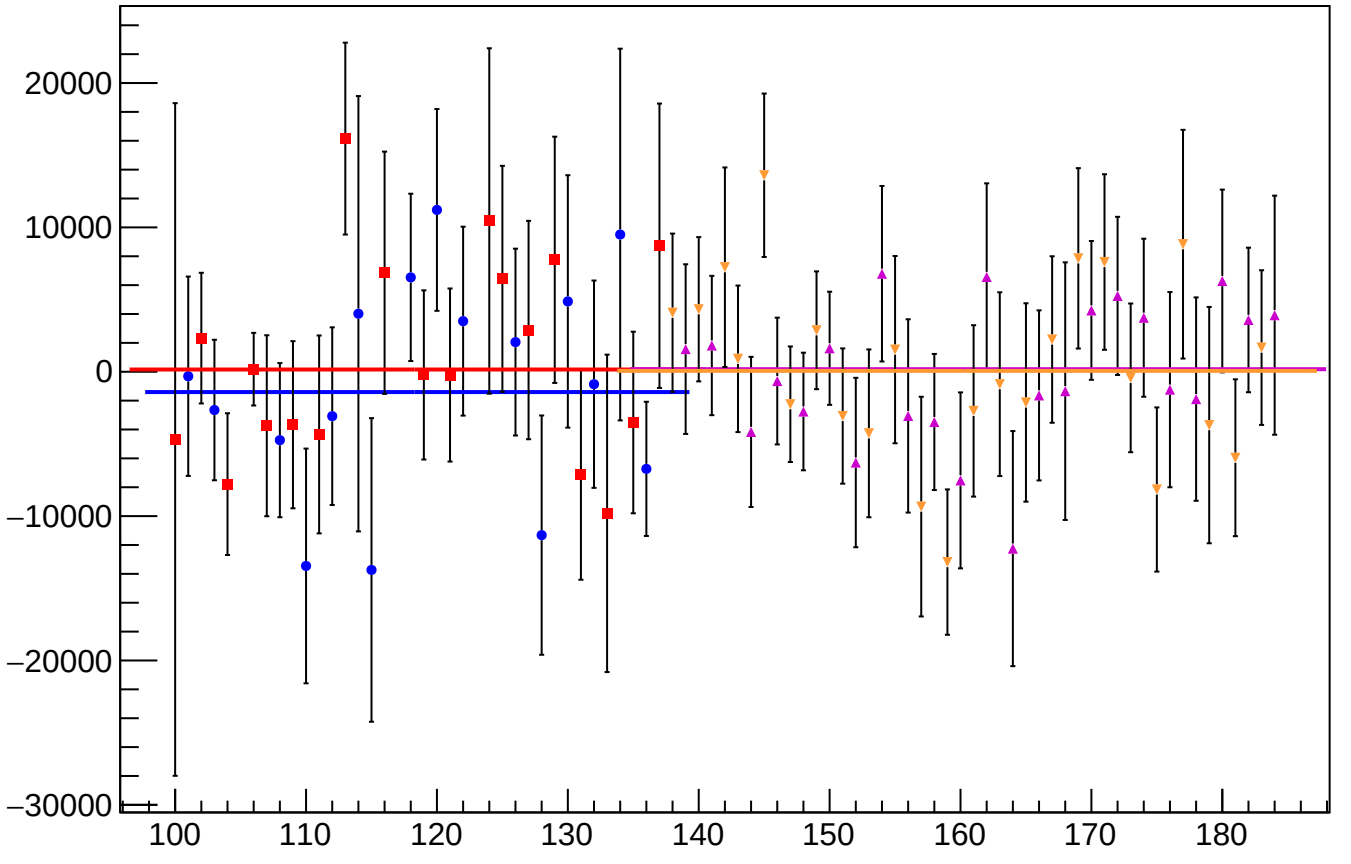
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

\+ sign 1909.513+/-0.265 χ^2/NDF: 716189.9/39

All: 1904.796+/-0.188 χ^2/NDF: 996942.9/81

\- sign 1900.016+/-0.267 χ^2/NDF: 280114.0/41



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

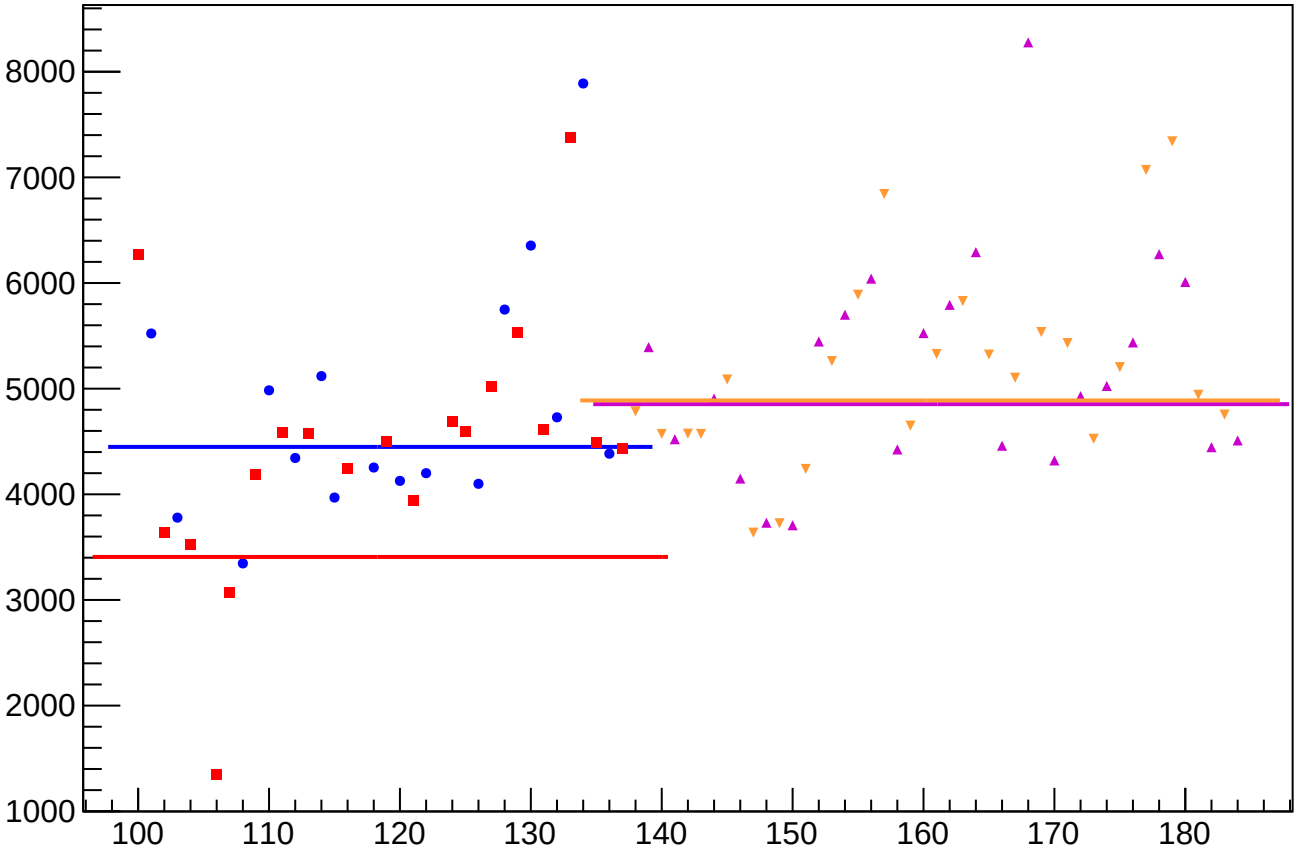
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

\+ sign -399.232+/-945.848 χ^2/NDF: 41.6/39

All: -95.770+/-644.988 χ^2/NDF: 71.1/81

\- sign 167.995+/-881.816 χ^2/NDF: 29.4/41

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

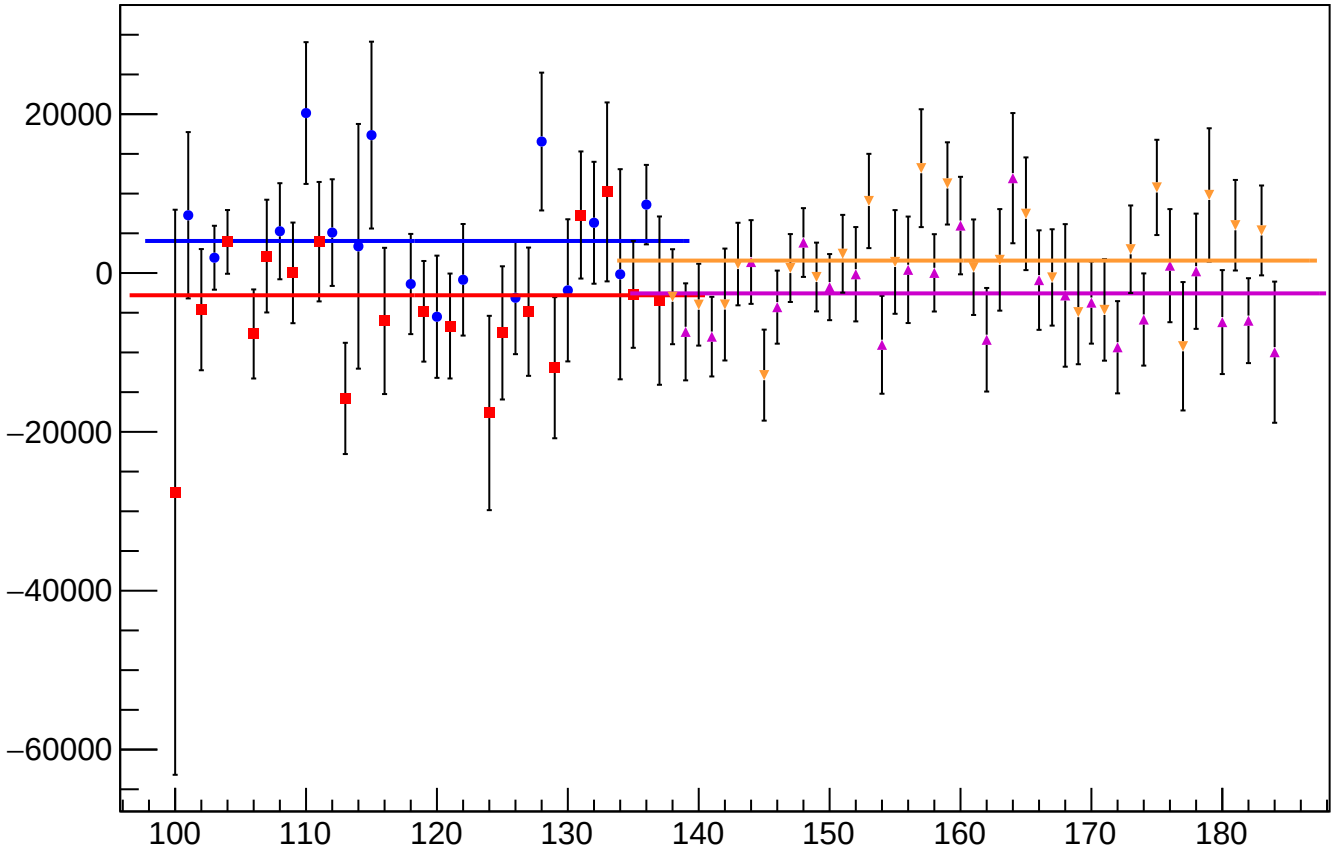
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

\+ sign 4750.733+/-0.669 χ^2/NDF: 1650879.1/39

All: 4482.089+/-0.456 χ^2/NDF: 6766073.6/81

\- sign 4248.586+/-0.624 χ^2/NDF: 4813618.9/41



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

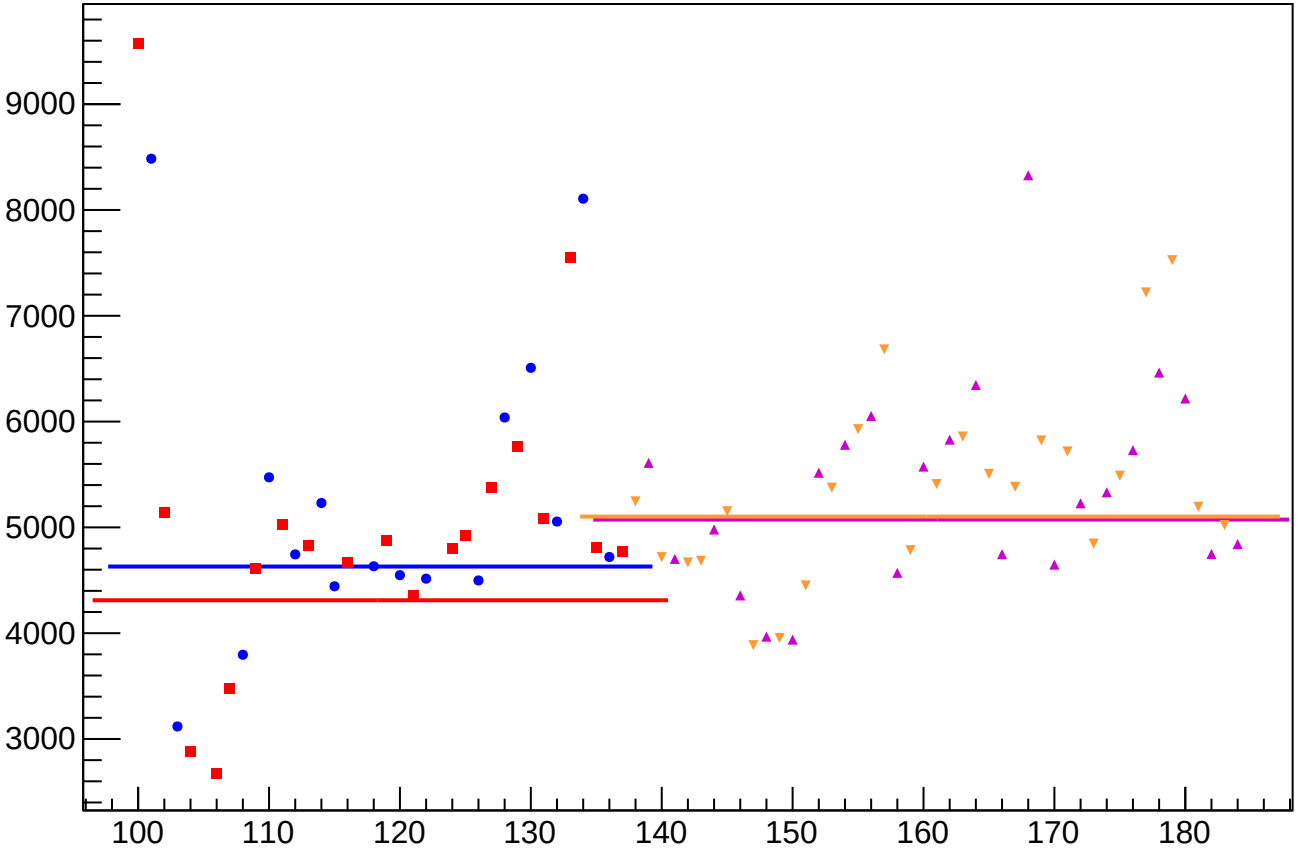
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2324.571+/-988.023 χ^2/NDF: 39.3/39

All: -187.211+/-694.801 χ^2/NDF: 83.4/81

- sign -2644.561+/-977.259 χ^2/NDF: 31.4/41

asym_atr_avg_rms vs Slug



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

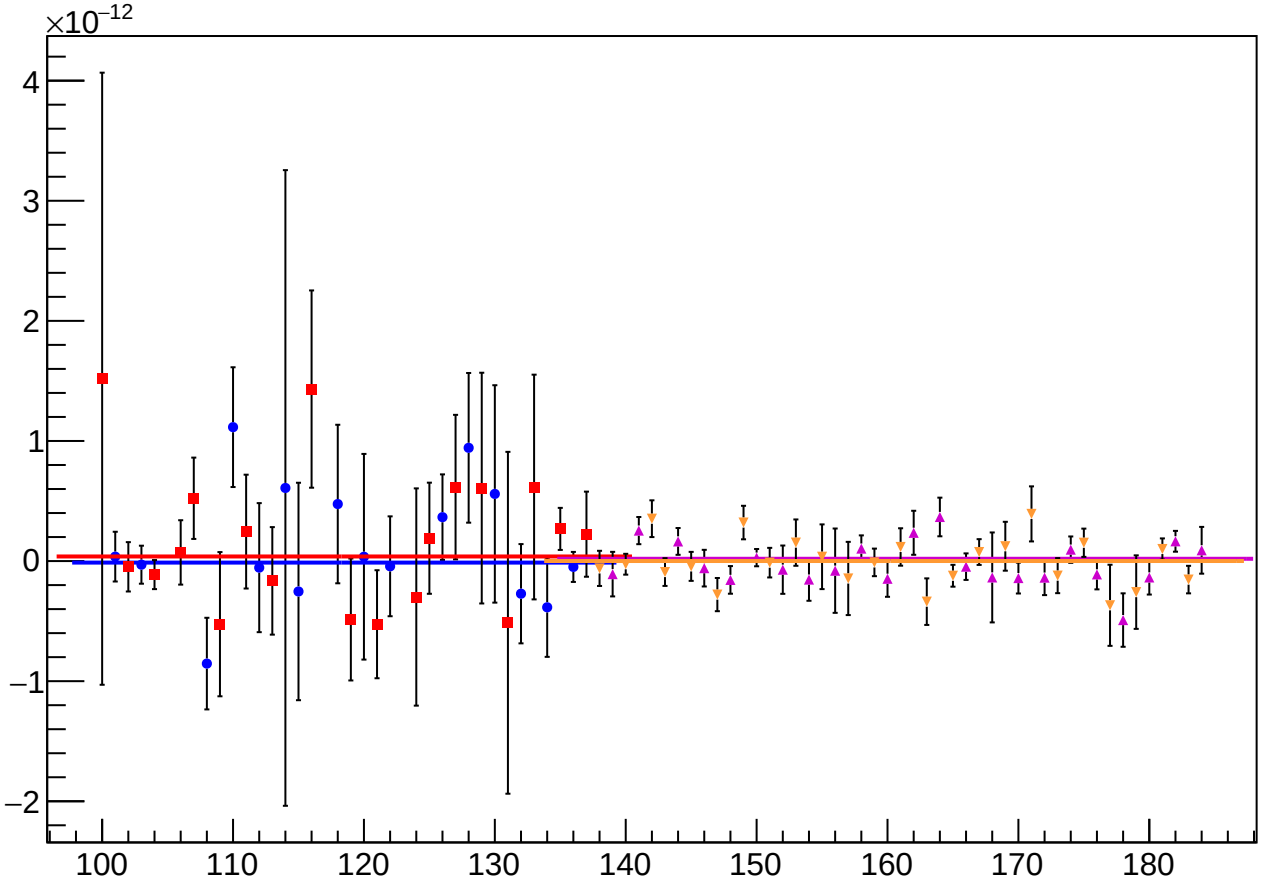
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 4956.929+/-0.699 χ^2/NDF: 1906591.9/39

All: 4882.485+/-0.491 χ^2/NDF: 4102523.8/81

- sign 4810.089+/-0.689 χ^2/NDF: 2173536.2/41

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

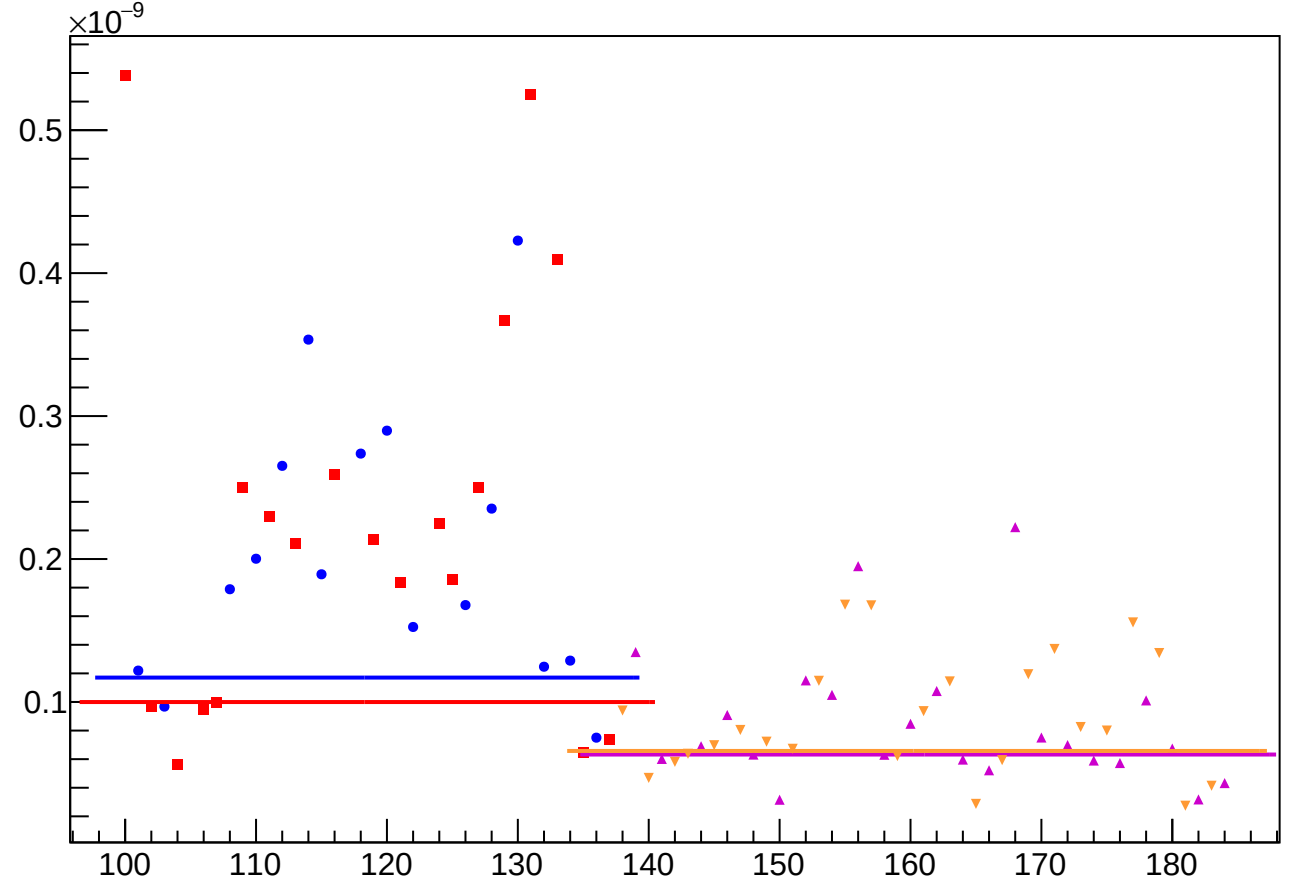
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/39

All: 0.000+/-0.000 χ^2/NDF: 97.0/81

- sign 0.000+/-0.000 χ^2/NDF: 47.5/41



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

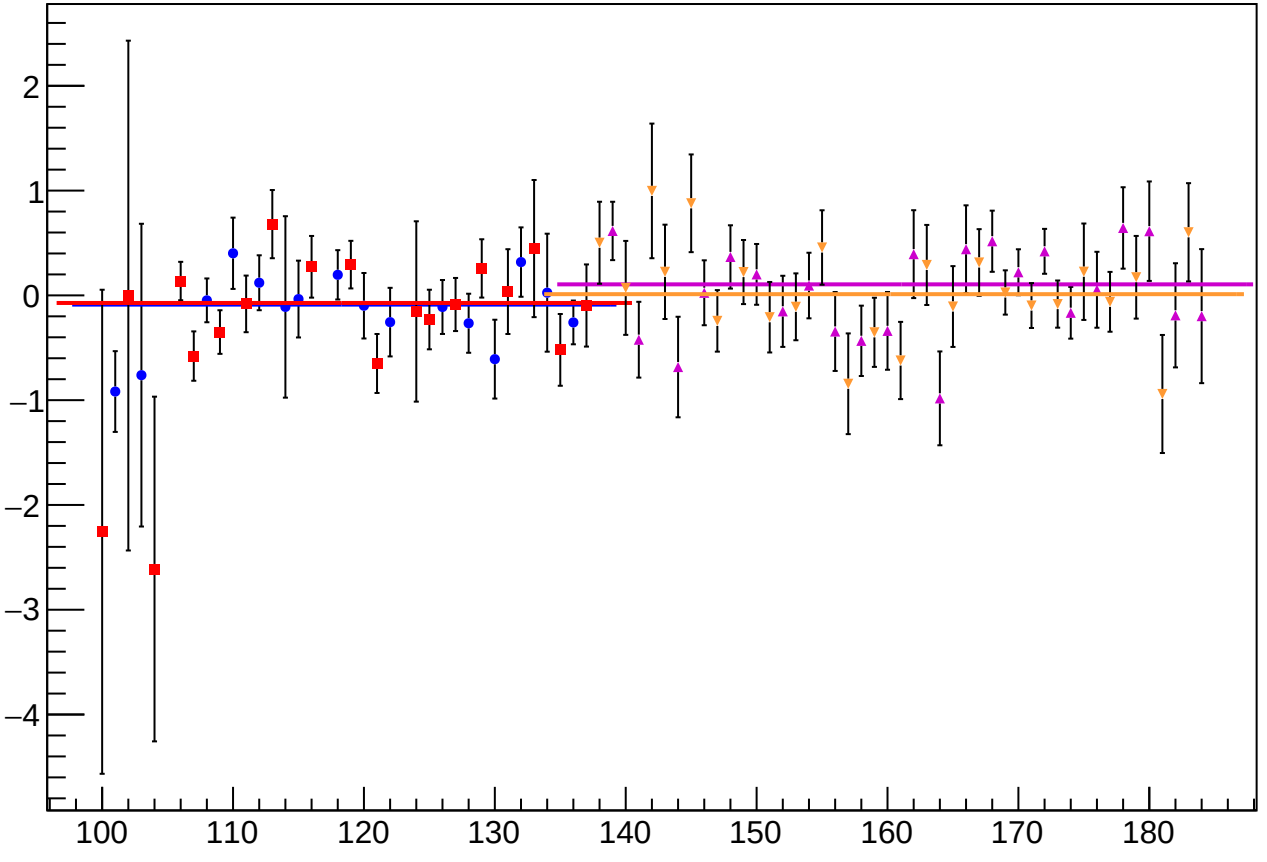
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4389879.3/39

All: 0.000+/-0.000 χ^2/NDF: 8901640.6/81

- sign 0.000+/-0.000 χ^2/NDF: 4488133.3/41

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

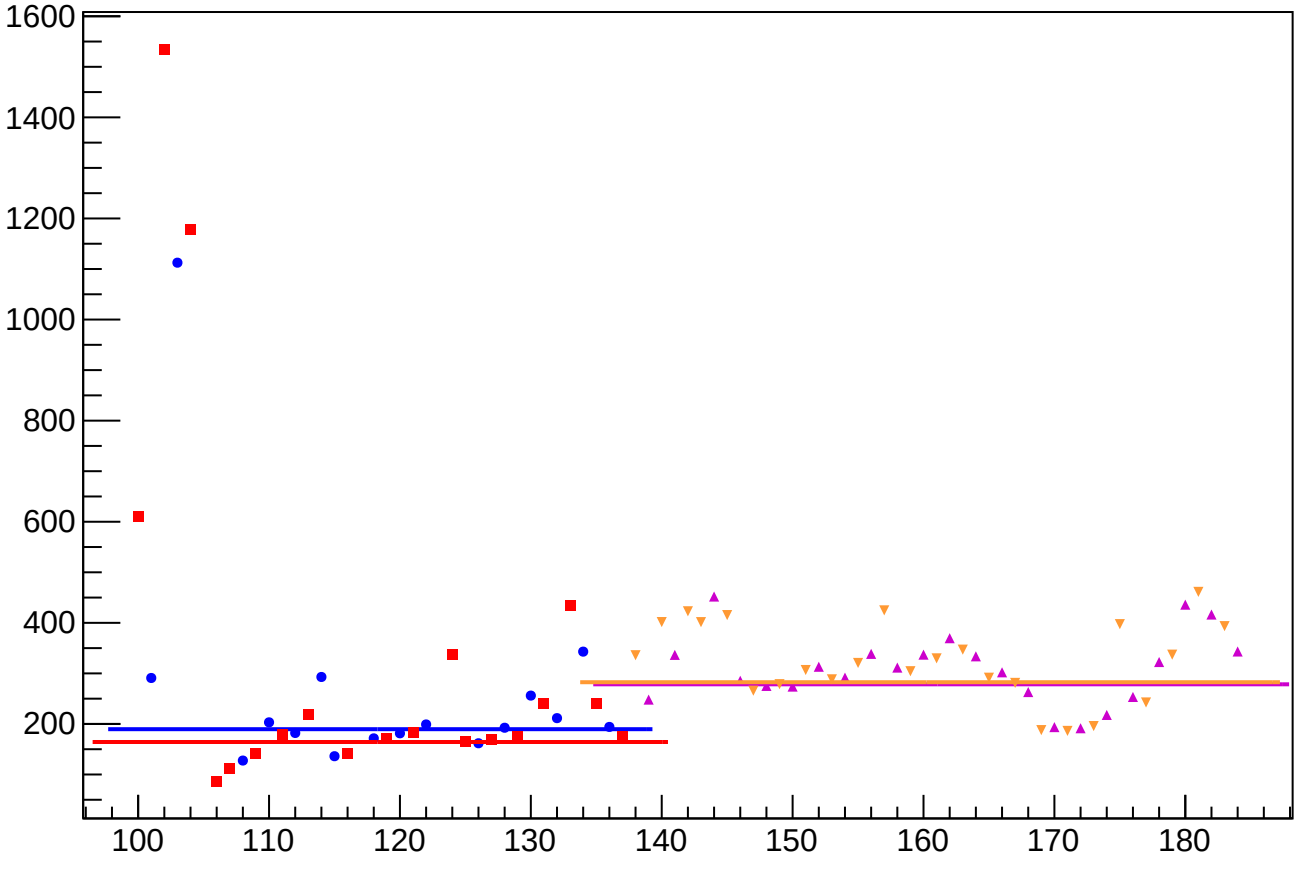
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.033+/-0.051 χ^2/NDF: 40.0/39

All: -0.006+/-0.035 χ^2/NDF: 103.9/81

- sign 0.018+/-0.049 χ^2/NDF: 63.4/41

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

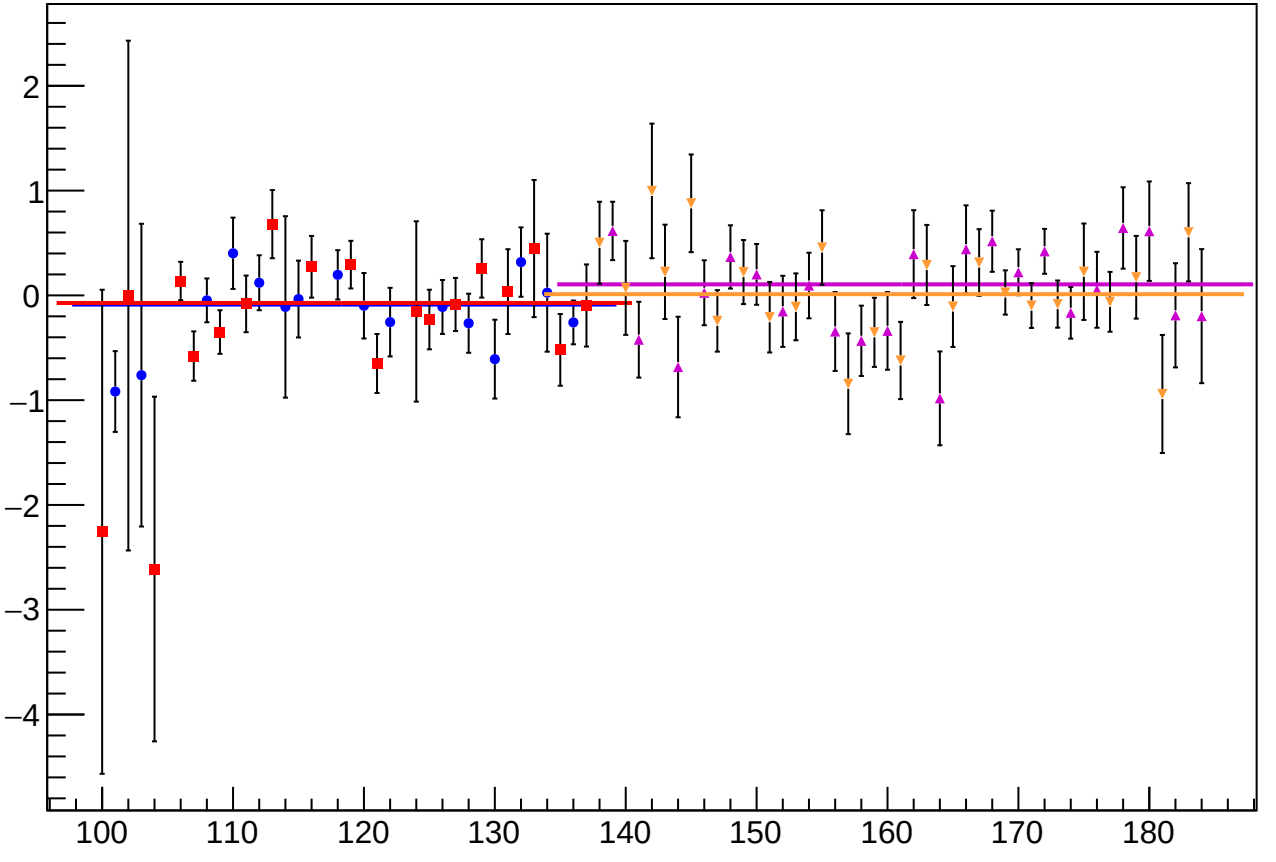
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 241.208+/-0.036 χ^2/NDF: 5601327.2/39

All: 231.450+/-0.025 χ^2/NDF: 12894852.7/81

- sign 222.514+/-0.035 χ^2/NDF: 7154381.2/41

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

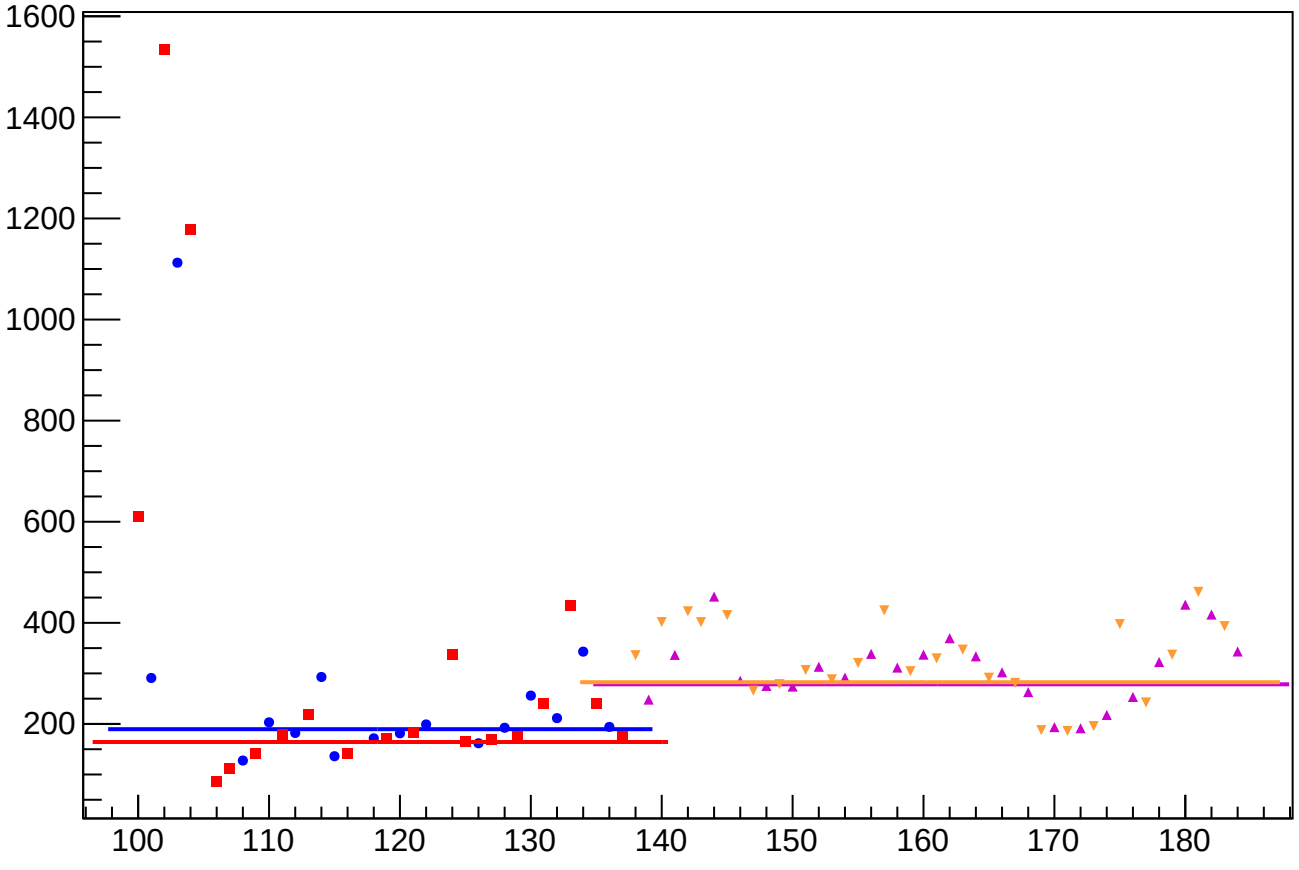
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.033+/-0.051 χ^2/NDF: 40.0/39

All: -0.006+/-0.035 χ^2/NDF: 103.9/81

- sign 0.018+/-0.049 χ^2/NDF: 63.4/41

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

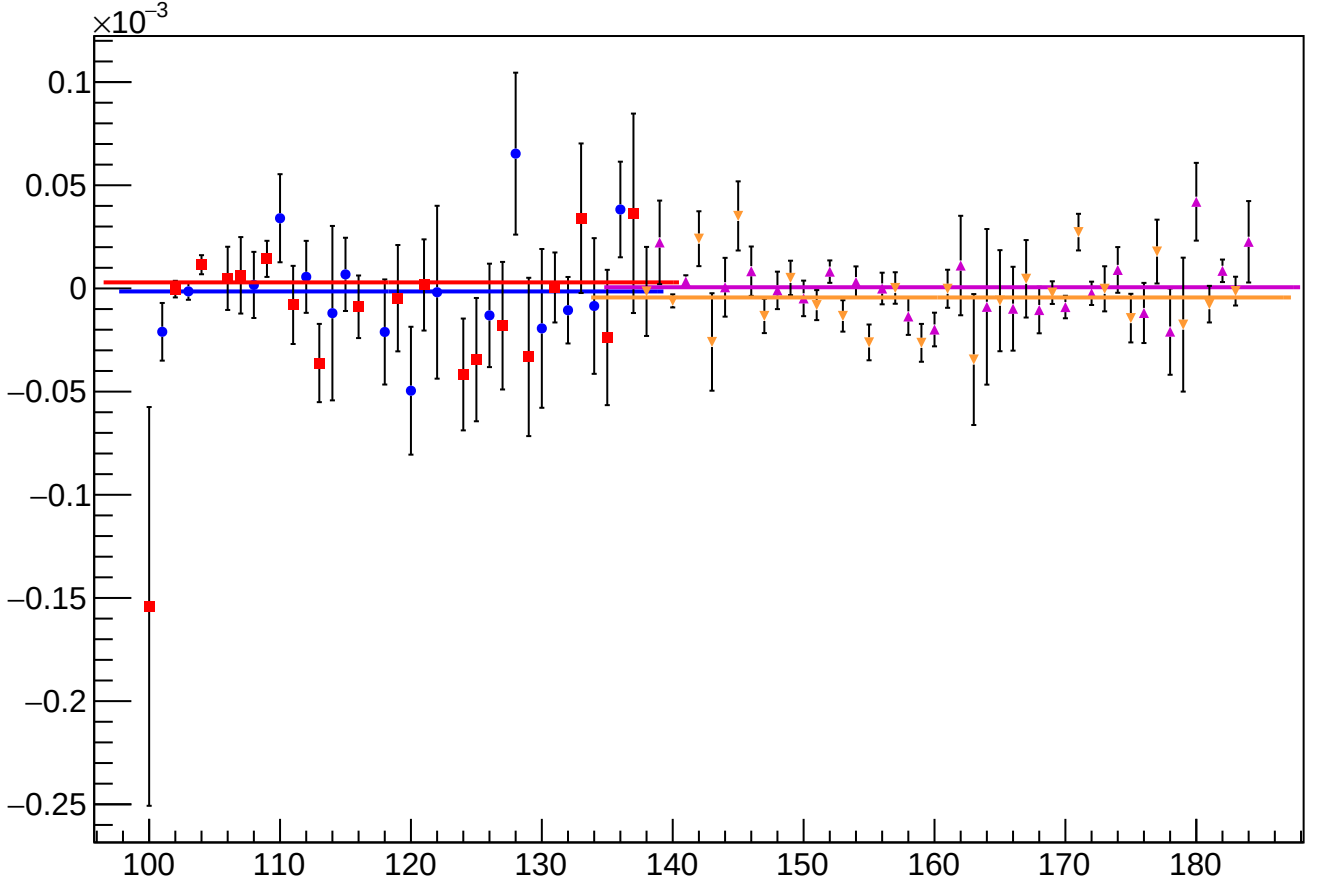
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 241.208+/-0.036 χ^2/NDF: 5601327.2/39

All: 231.450+/-0.025 χ^2/NDF: 12894852.7/81

- sign 222.514+/-0.035 χ^2/NDF: 7154381.2/41



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

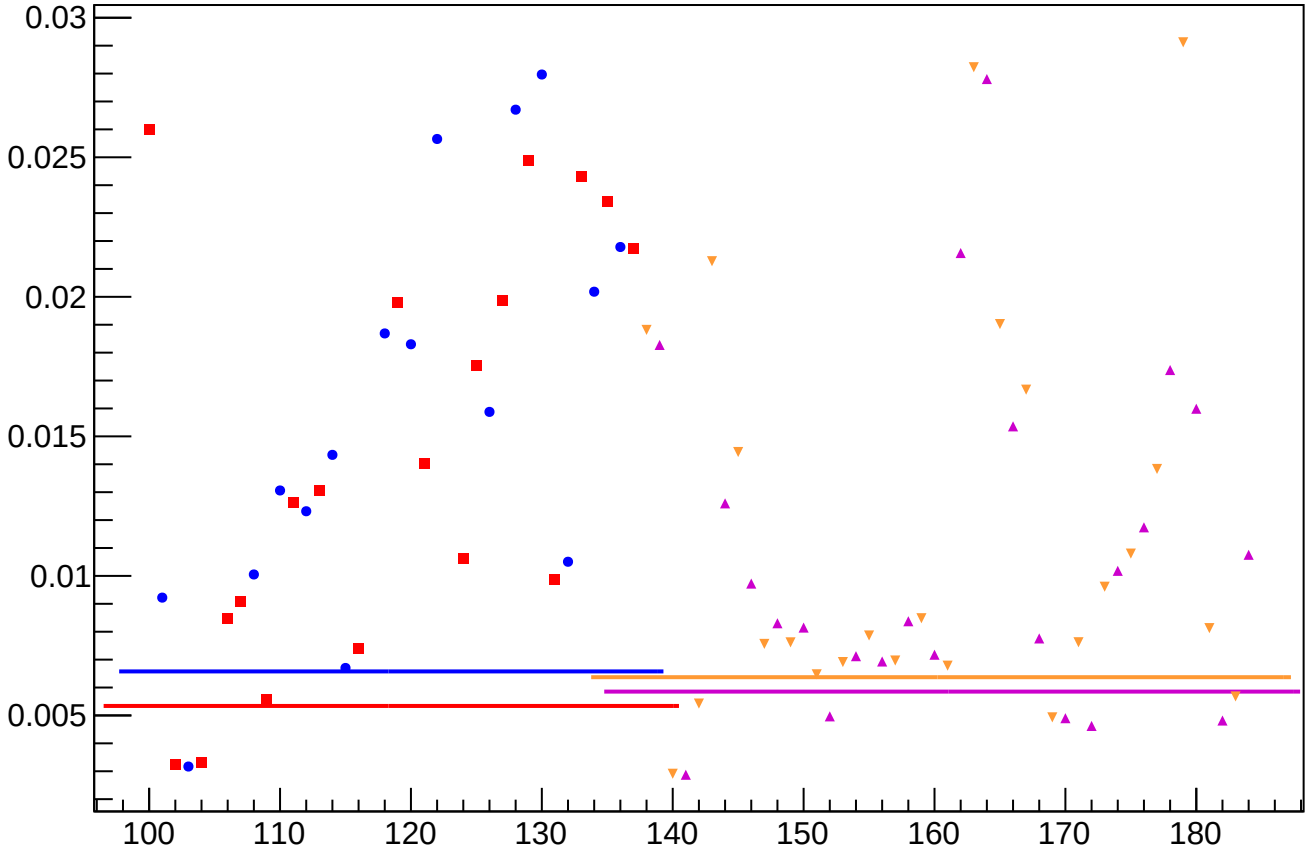
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.9/39

All: -0.000+/-0.000 χ^2/NDF: 117.8/81

- sign 0.000+/-0.000 χ^2/NDF: 51.0/41

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

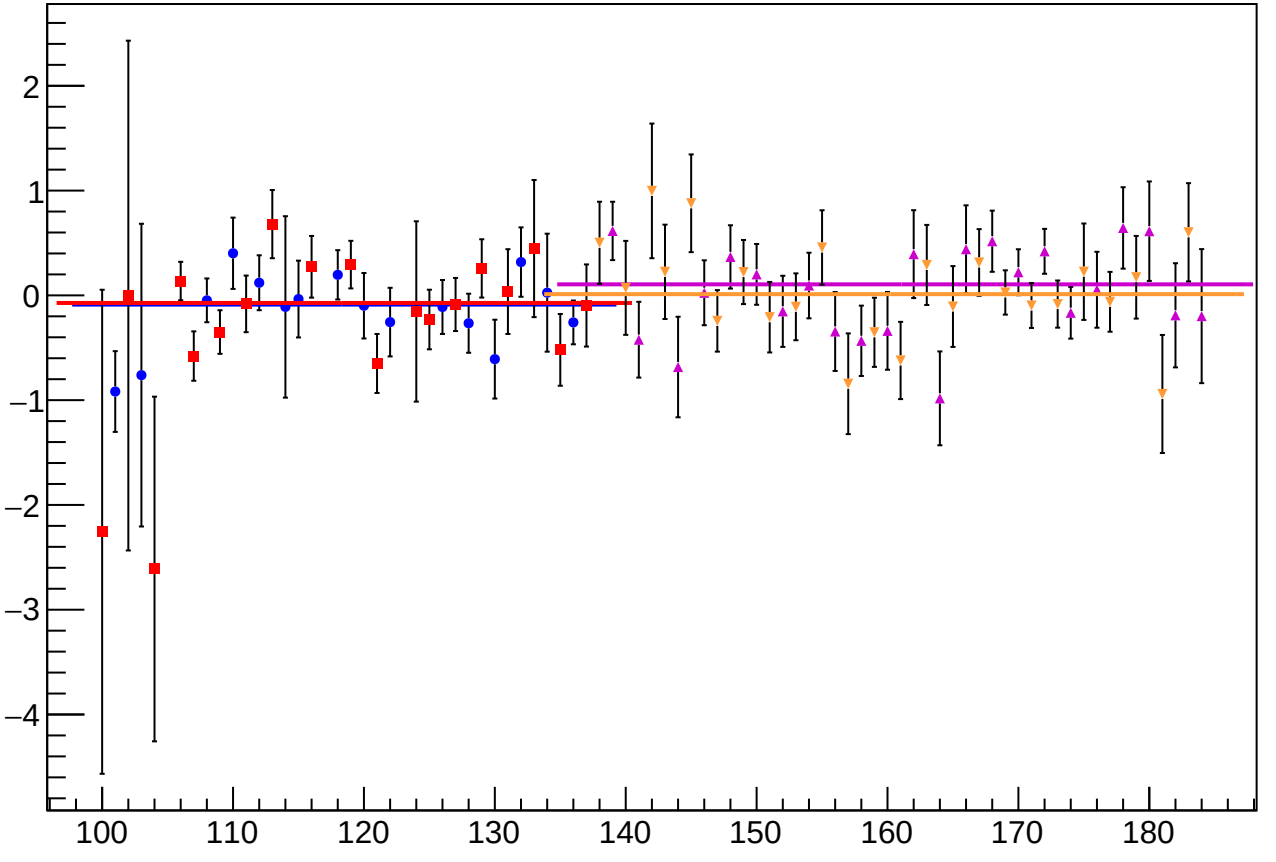
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 14793709.5/39

All: 0.006+/-0.000 χ^2/NDF: 28918289.8/81

- sign 0.006+/-0.000 χ^2/NDF: 13887382.1/41

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

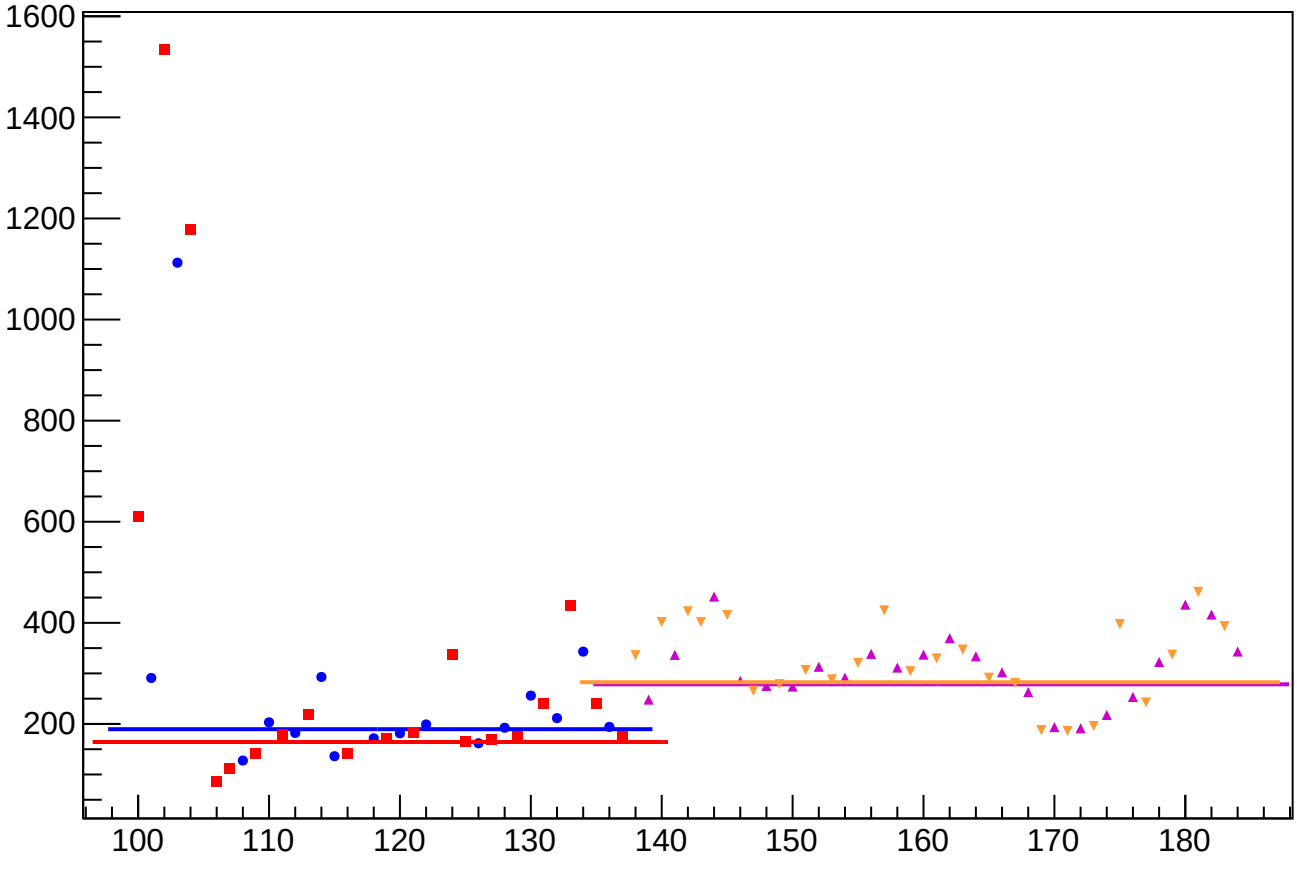
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.033+/-0.051 χ^2/NDF: 40.0/39

All: -0.006+/-0.035 χ^2/NDF: 103.9/81

- sign 0.018+/-0.049 χ^2/NDF: 63.4/41

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

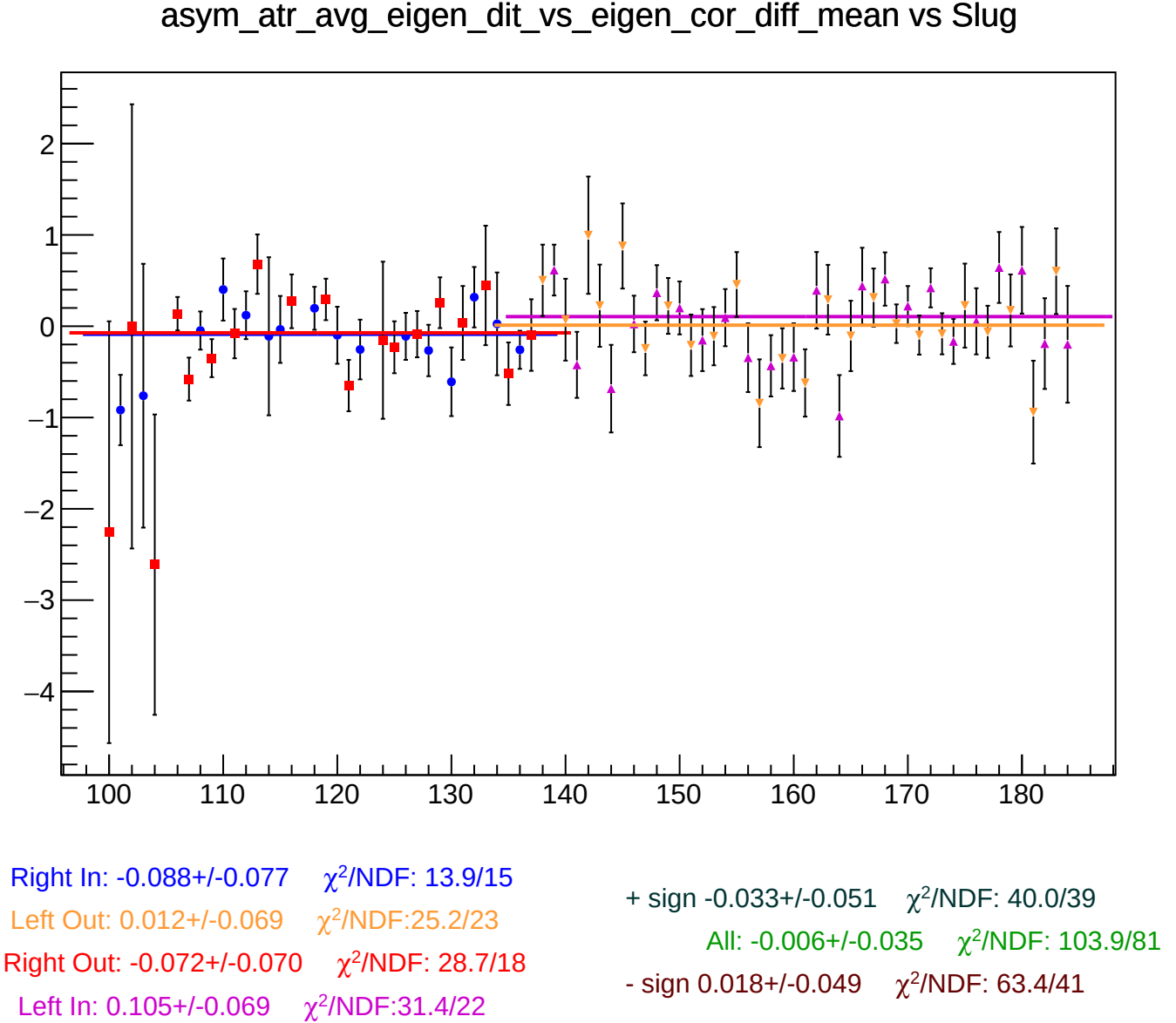
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

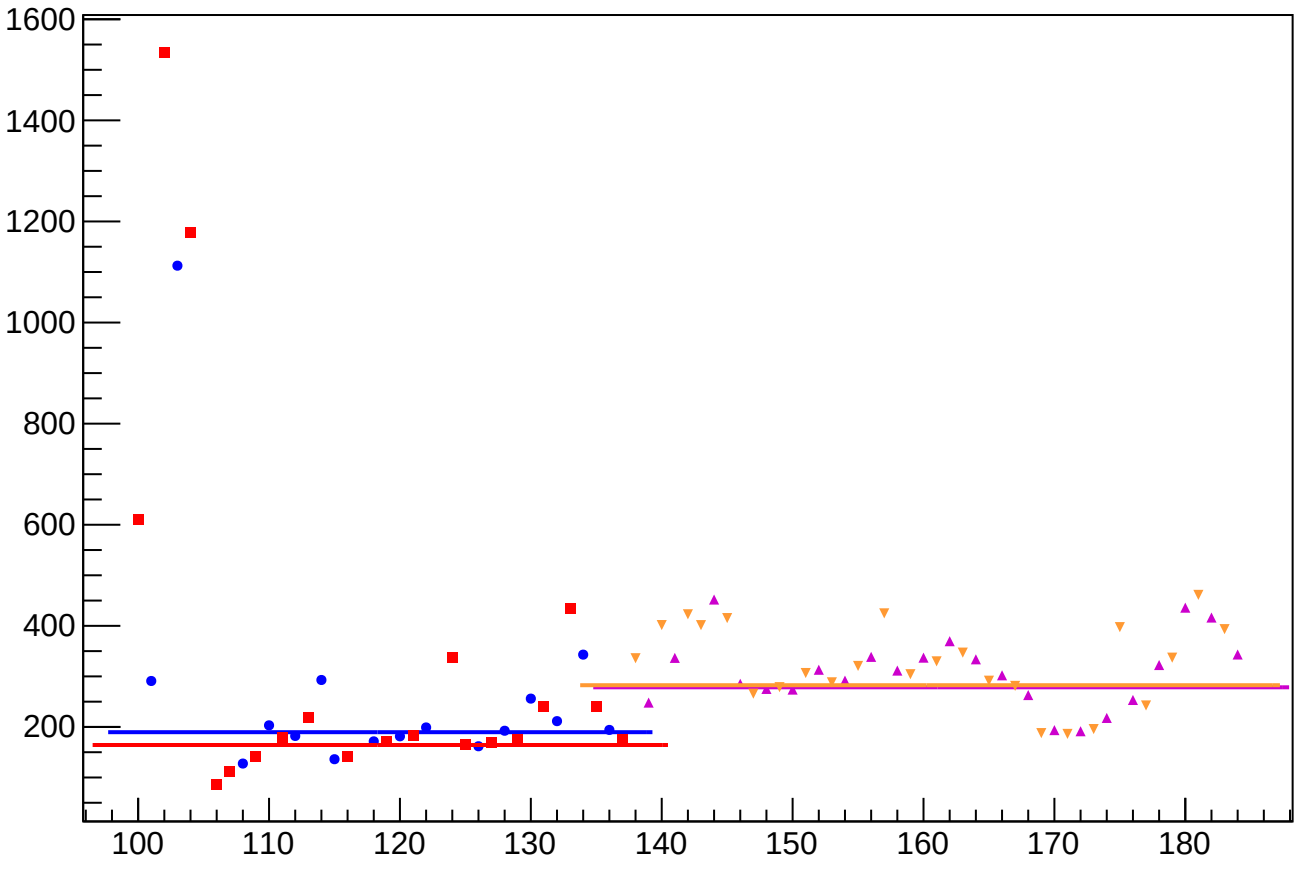
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 241.208+/-0.036 χ^2/NDF: 5601488.5/39

All: 231.450+/-0.025 χ^2/NDF: 12895179.4/81

- sign 222.514+/-0.035 χ^2/NDF: 7154541.6/41


asym_atr_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: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.012+/-0.069 χ²/NDF:25.2/23
Right Out: -0.072+/-0.070 χ²/NDF: 28.7/18
Left In: 0.105+/-0.069 χ²/NDF:31.4/22
+ sign -0.033+/-0.051 χ²/NDF: 40.0/39
All: -0.006+/-0.035 χ²/NDF: 103.9/81
- sign 0.018+/-0.049 χ²/NDF: 63.4/41



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 282.551+/-0.049 χ^2/NDF:2509417.0/23

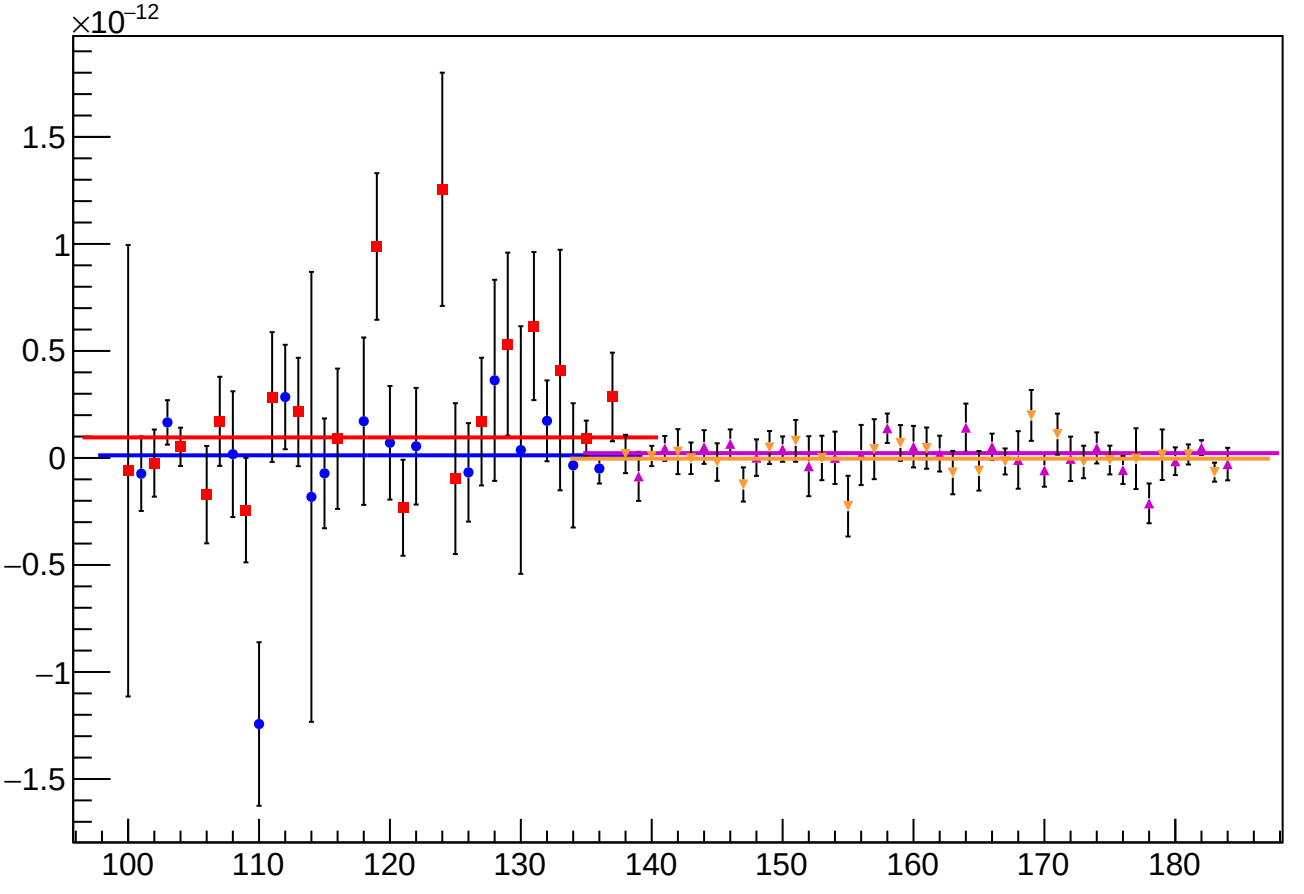
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 241.208+/-0.036 χ^2/NDF: 5601488.5/39

All: 231.450+/-0.025 χ^2/NDF: 12895179.4/81

- sign 222.514+/-0.035 χ^2/NDF: 7154541.6/41



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

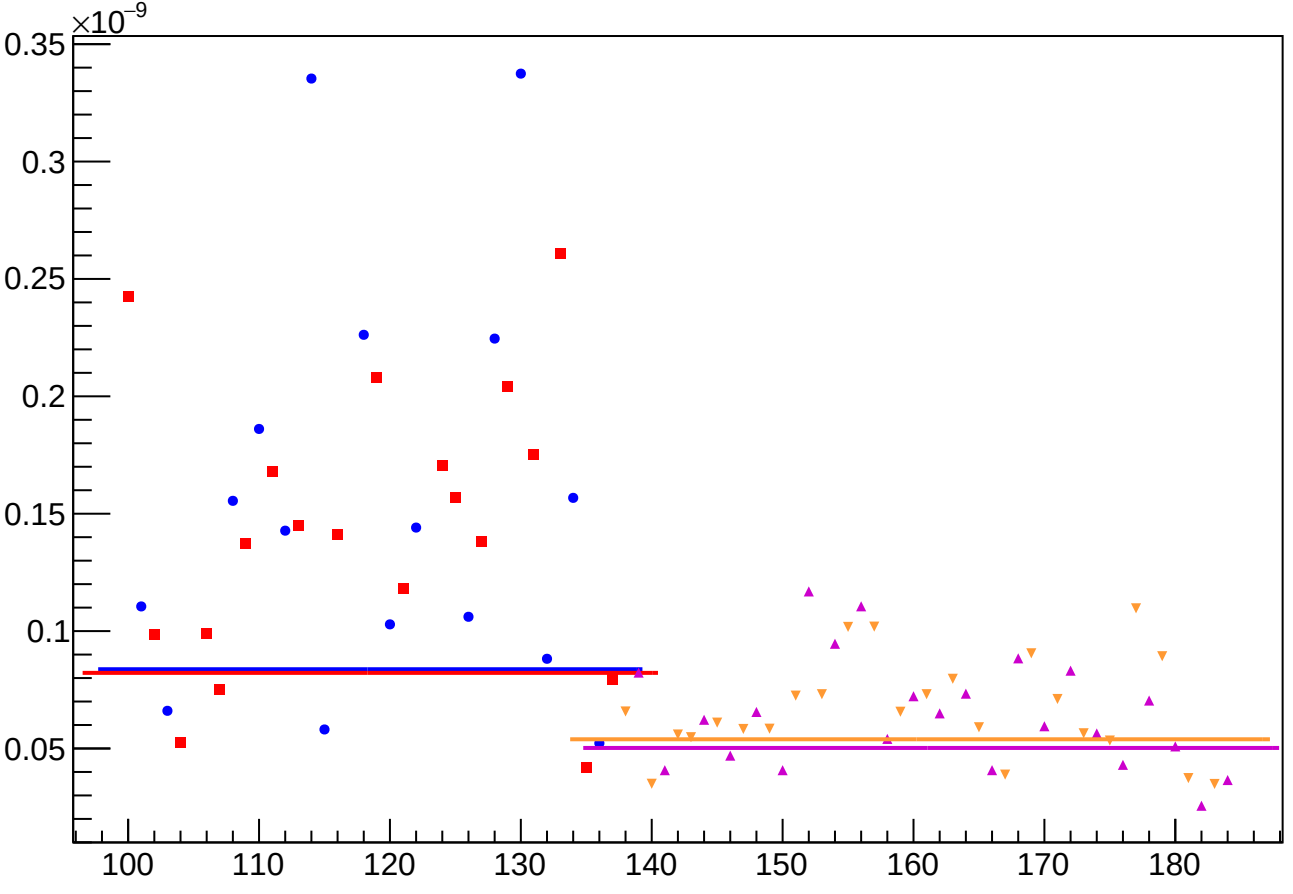
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/39

All: 0.000+/-0.000 χ^2/NDF: 76.6/81

- sign 0.000+/-0.000 χ^2/NDF: 42.4/41

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2721670.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

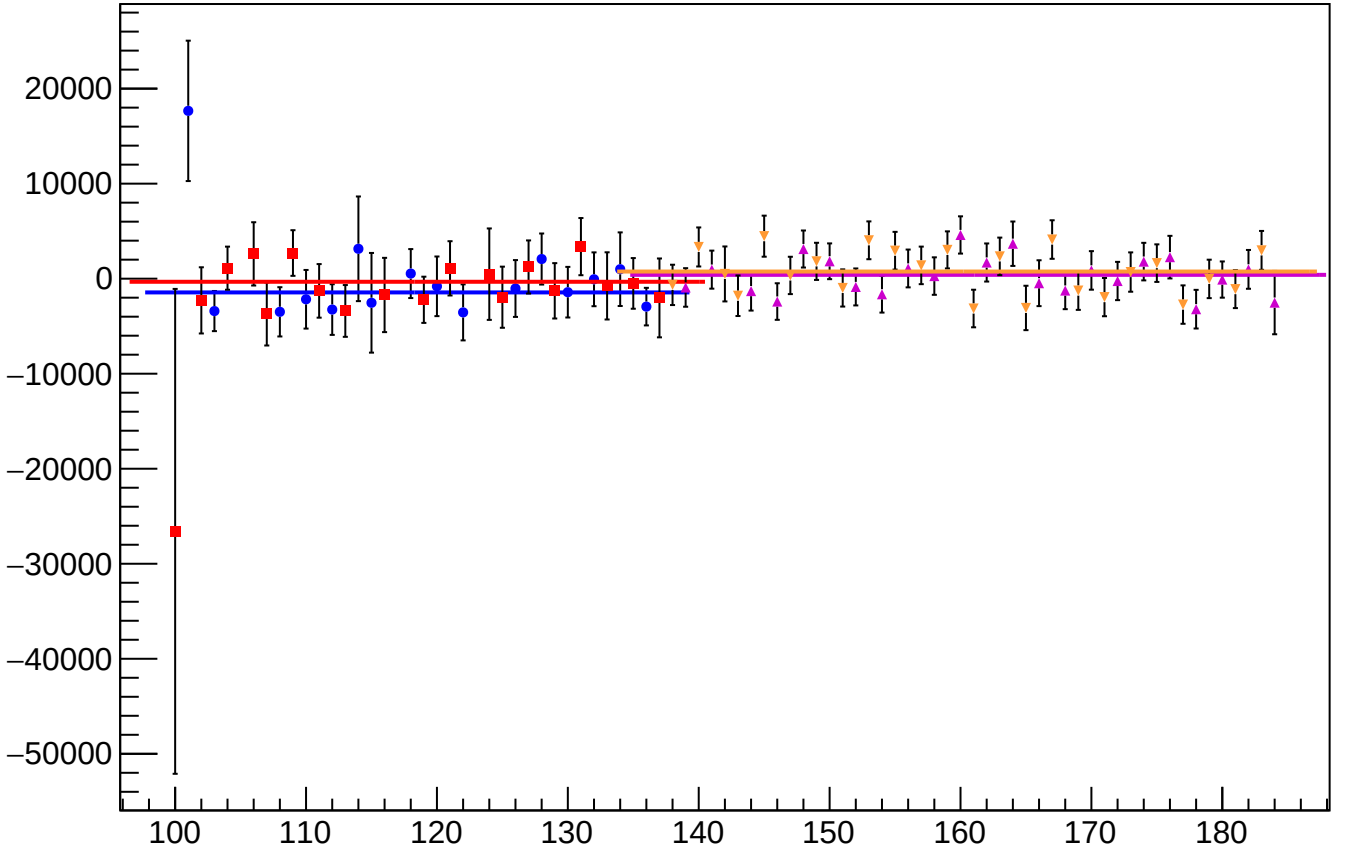
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5595687.7/39

All: 0.000+/-0.000 χ^2/NDF: 12207768.3/81

- sign 0.000+/-0.000 χ^2/NDF: 6554065.0/41

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

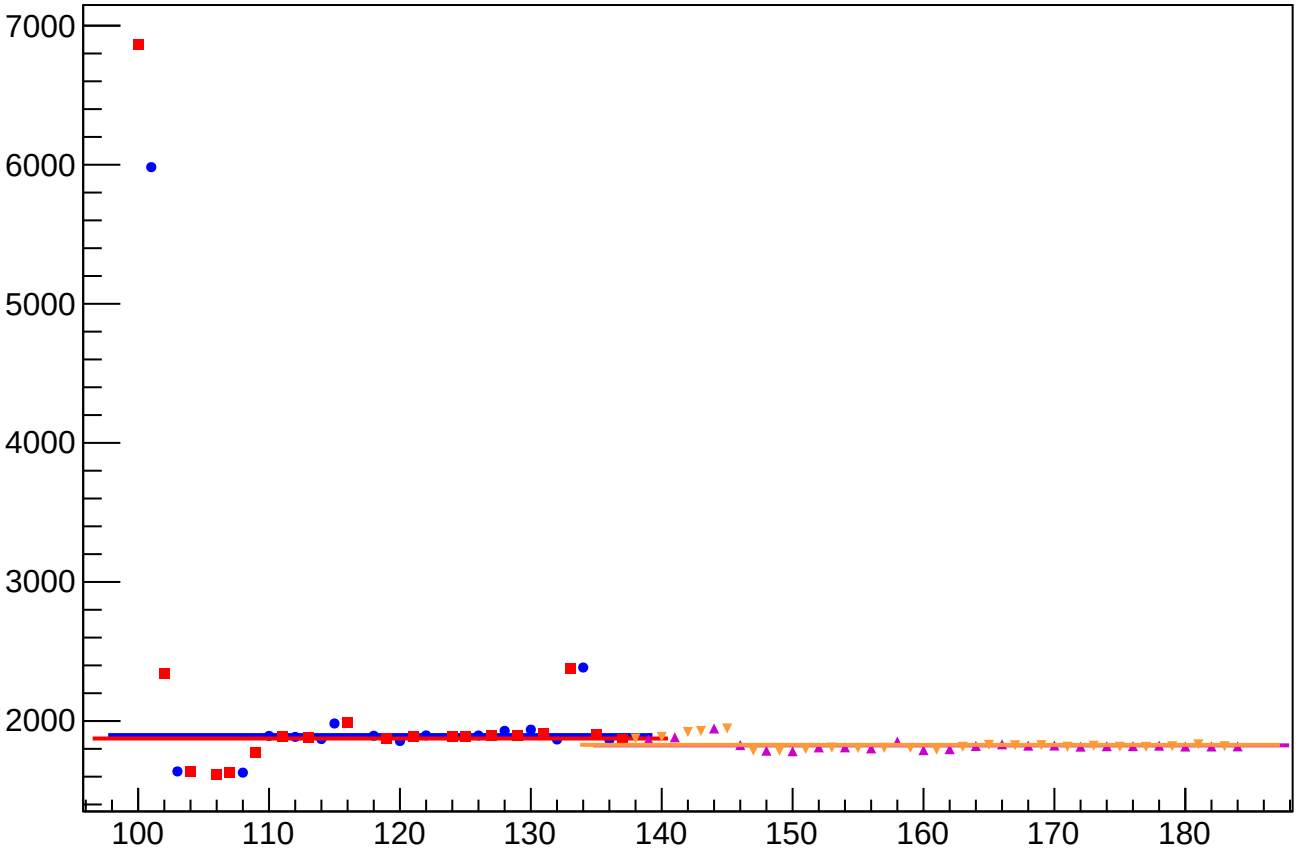
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 200.571+/-362.069 χ^2/NDF: 51.5/39

All: 203.788+/-256.846 χ^2/NDF: 83.0/81

- sign 207.047+/-364.413 χ^2/NDF: 31.5/41

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

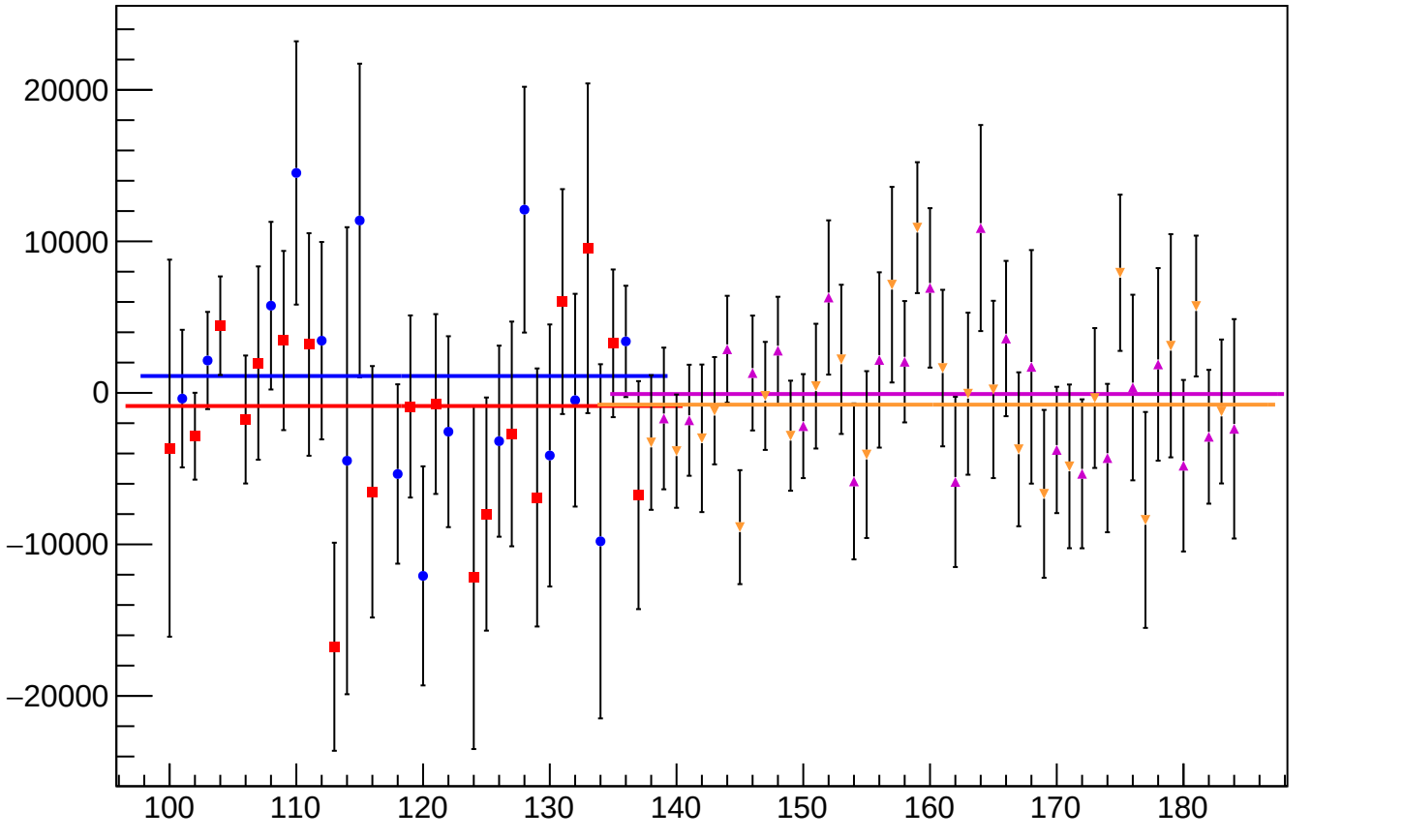
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1846.205+/-0.256 χ^2/NDF: 730870.7/39

All: 1842.341+/-0.182 χ^2/NDF: 959517.4/81

- sign 1838.433+/-0.257 χ^2/NDF: 228188.5/41



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -777.017+/-953.189 χ^2/NDF:24.4/23

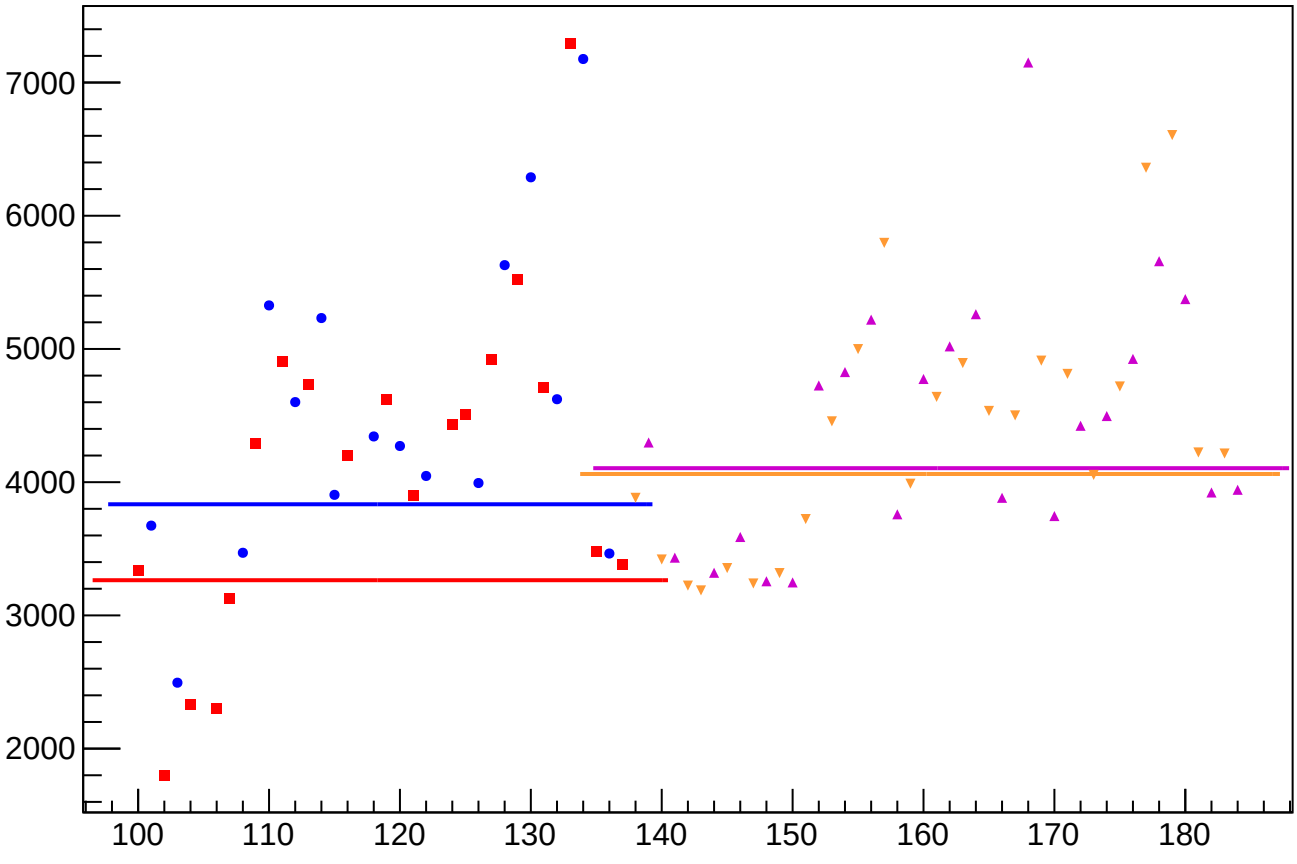
Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -222.591+/-801.252 χ^2/NDF: 38.9/39

All: -293.043+/-560.461 χ^2/NDF: 70.2/81

- sign -360.536+/-784.245 χ^2/NDF: 31.3/41



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

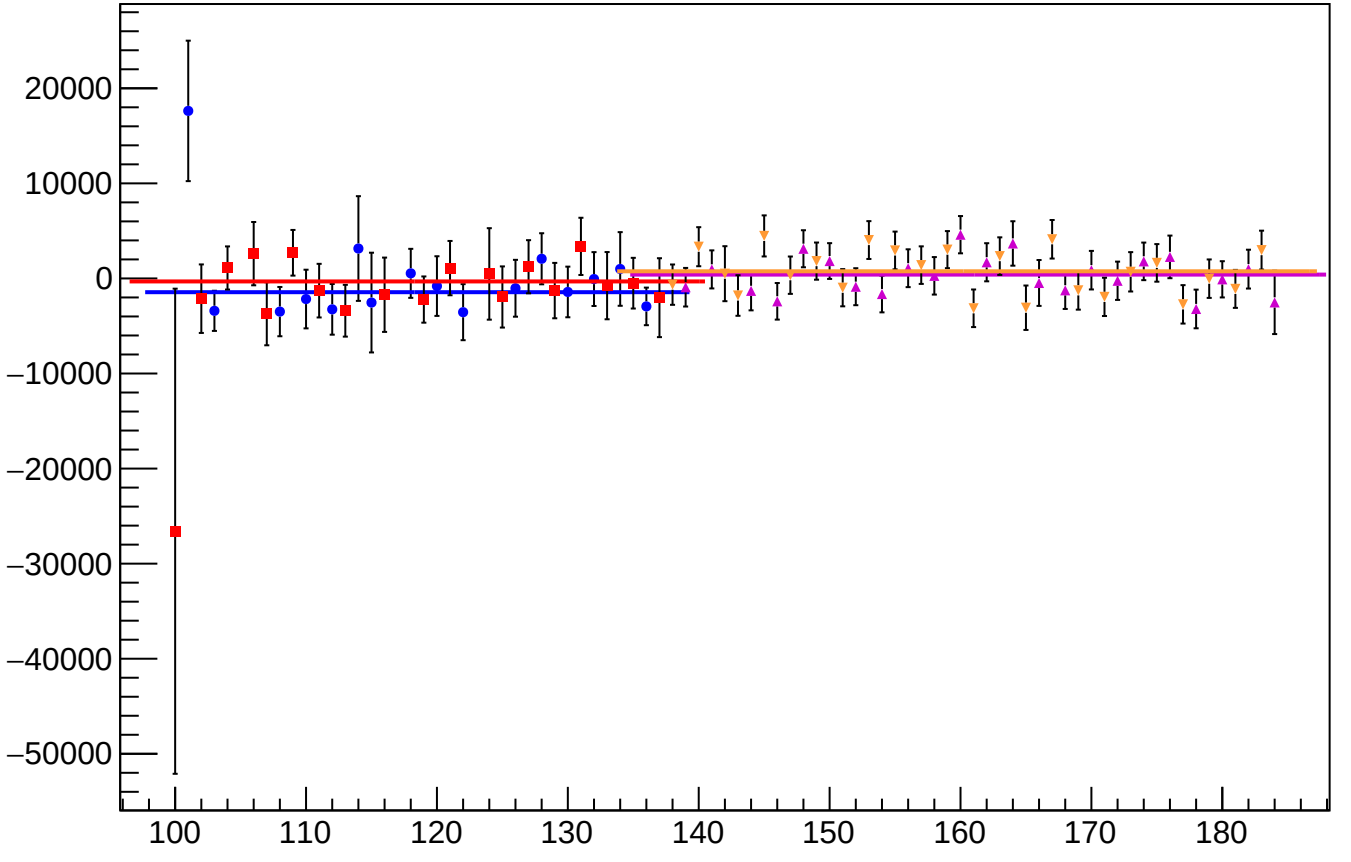
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 3994.756+/-0.567 χ^2/NDF: 2394703.9/39

All: 3896.507+/-0.396 χ^2/NDF: 6207106.4/81

- sign 3802.385+/-0.555 χ^2/NDF: 3753524.3/41

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

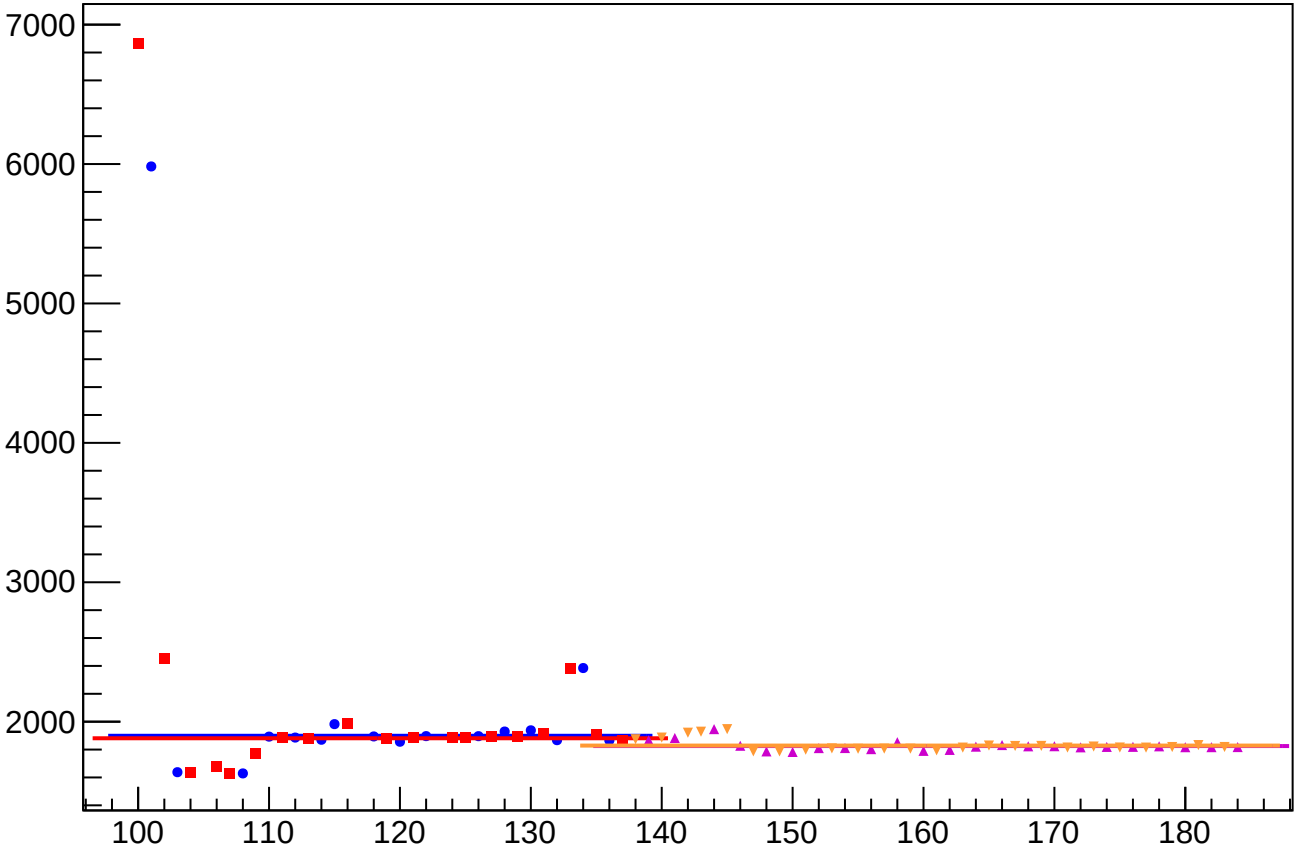
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 200.528+/-362.069 χ^2/NDF: 51.5/39

All: 205.290+/-256.893 χ^2/NDF: 82.8/81

- sign 210.117+/-364.545 χ^2/NDF: 31.4/41

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

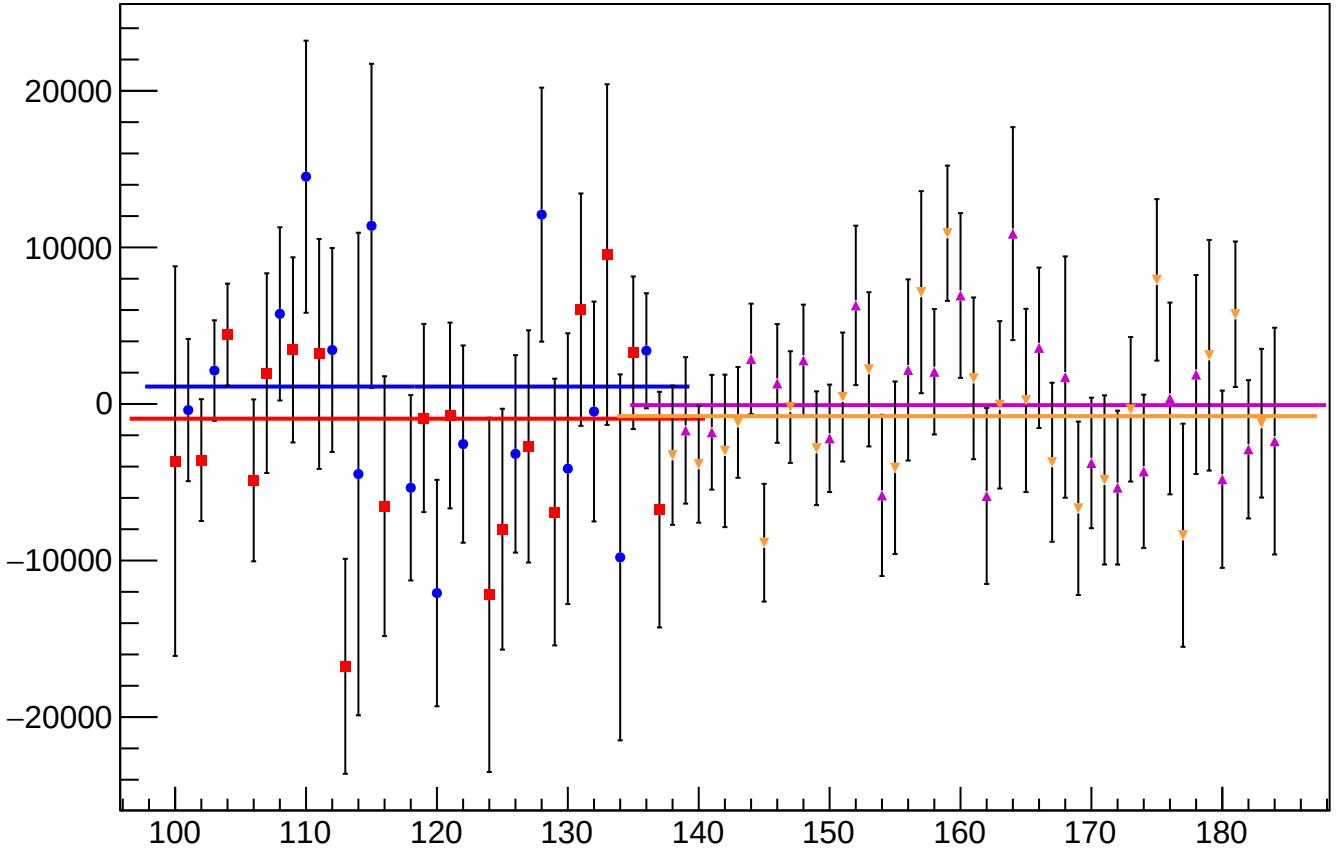
Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1846.205+/-0.256 χ^2/NDF: 730870.8/39

All: 1843.216+/-0.182 χ^2/NDF: 970306.7/81

- sign 1840.189+/-0.258 χ^2/NDF: 239161.7/41

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

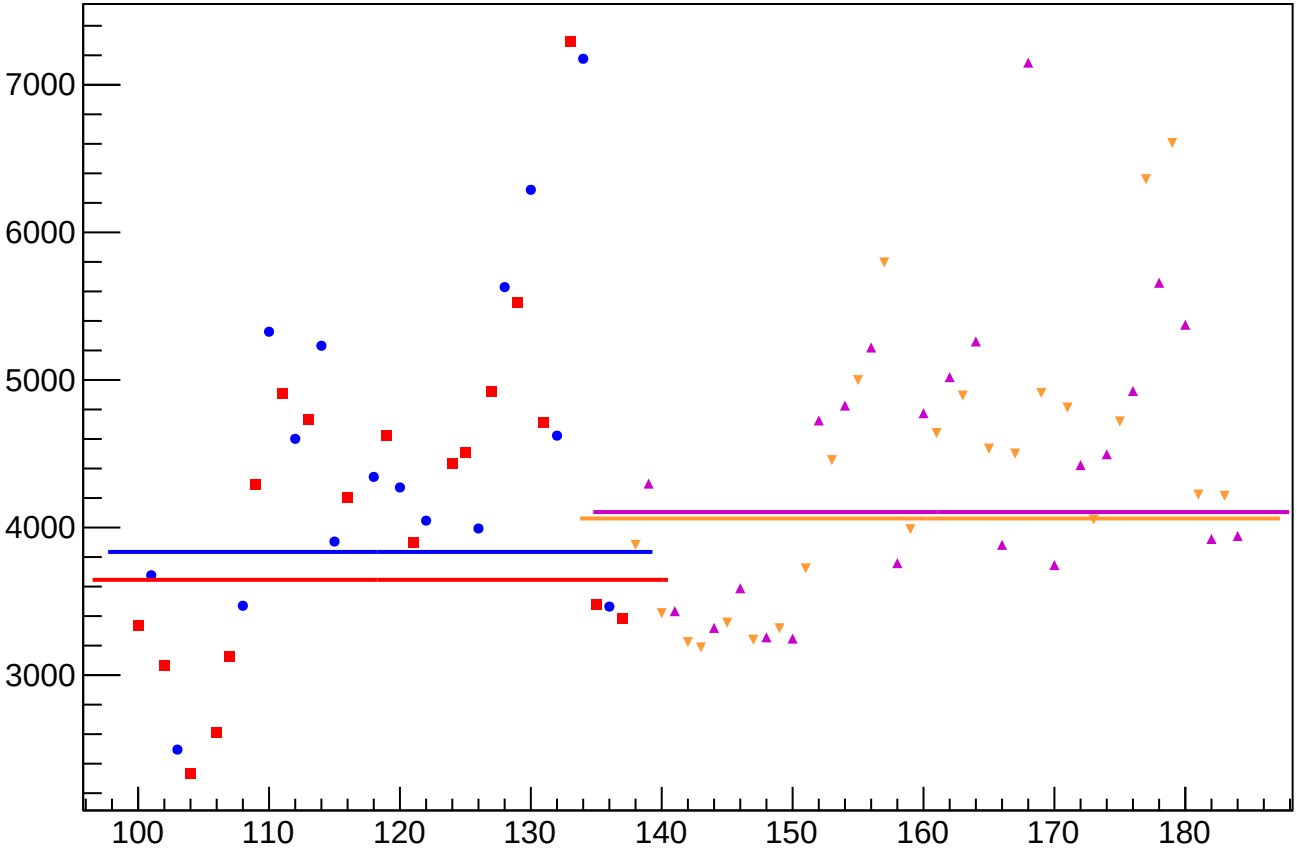
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -223.027+/-801.279 χ^2/NDF: 38.9/39

All: -291.682+/-567.123 χ^2/NDF: 70.8/81

- sign -360.596+/-802.790 χ^2/NDF: 31.9/41

asym_atr_dd_cor_correction_rms vs Slug



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

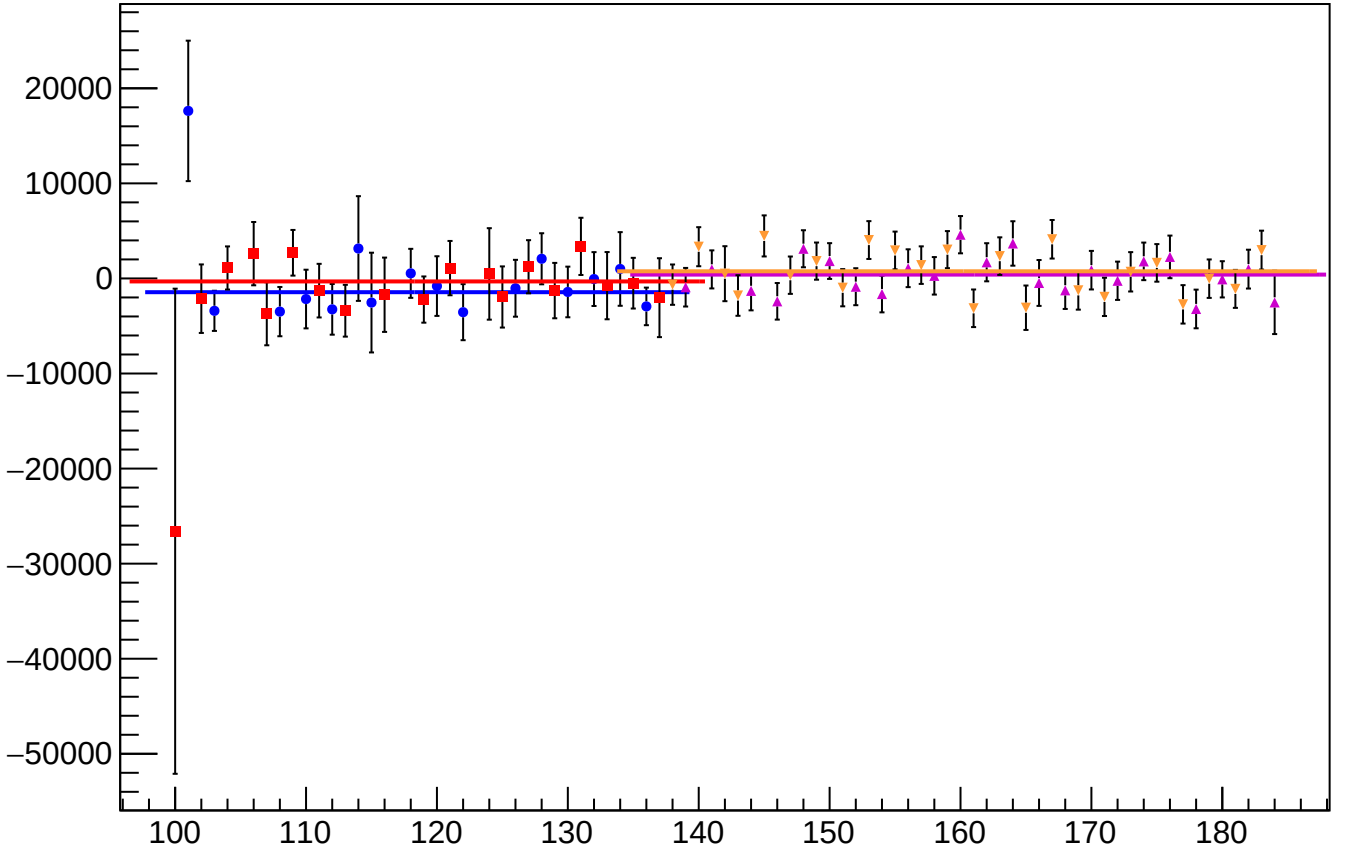
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3994.919+/-0.567 χ^2/NDF: 2394074.4/39

All: 3974.393+/-0.401 χ^2/NDF: 5025812.8/81

- sign 3953.789+/-0.568 χ^2/NDF: 2629108.5/41

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

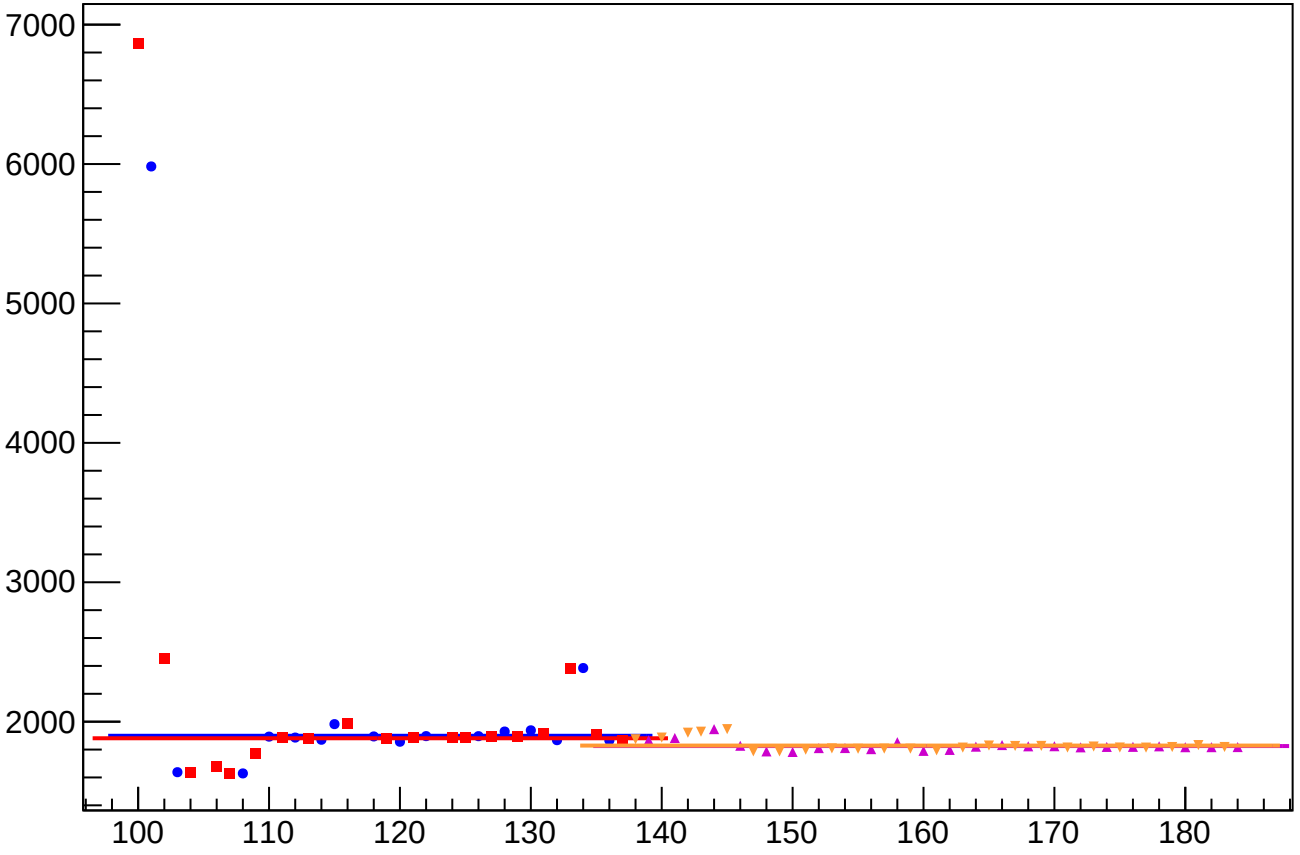
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 200.528+/-362.069 χ^2/NDF: 51.5/39

All: 205.290+/-256.893 χ^2/NDF: 82.8/81

- sign 210.117+/-364.545 χ^2/NDF: 31.4/41

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

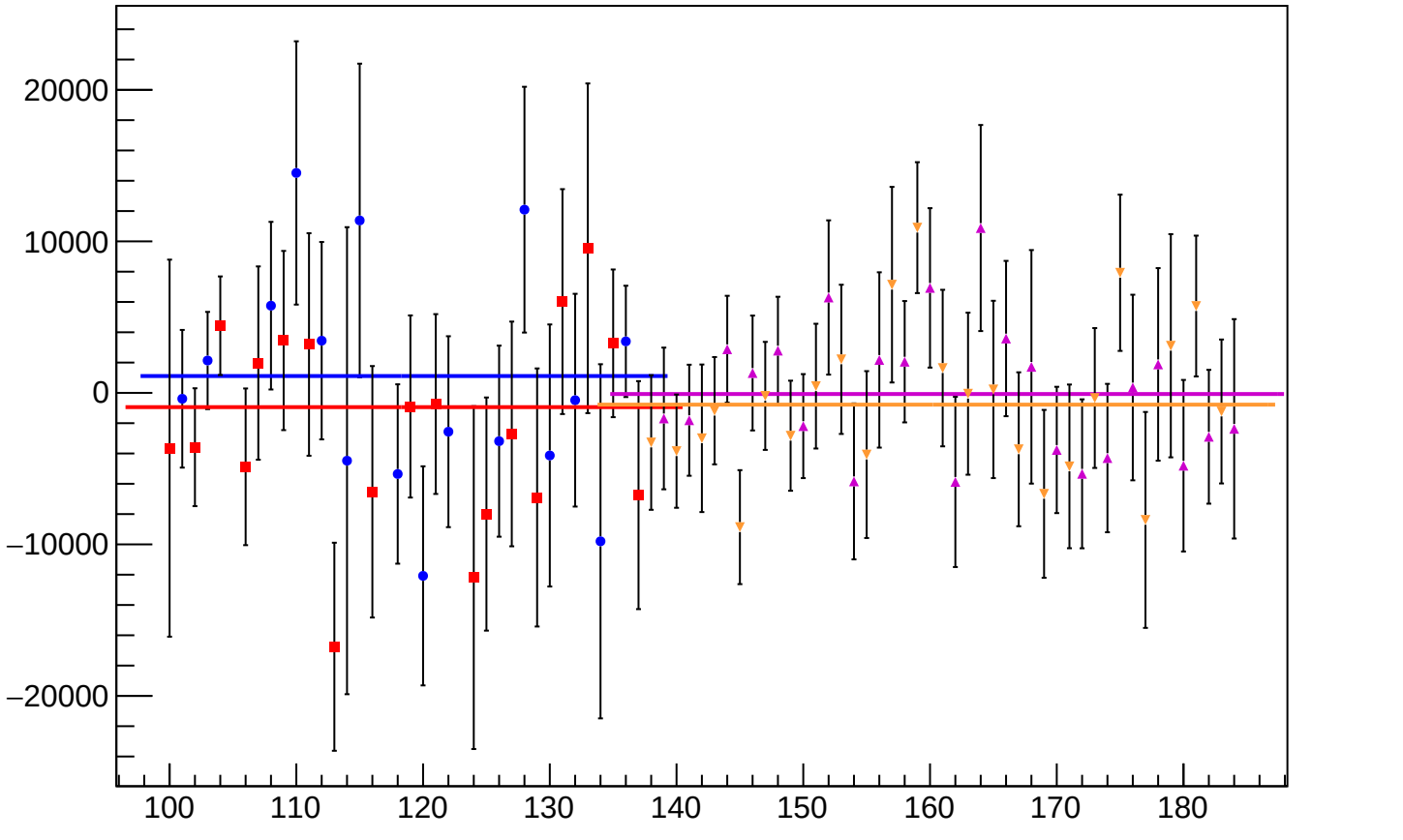
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

\+ sign 1846.205+/-0.256 χ^2/NDF: 730870.8/39

All: 1843.216+/-0.182 χ^2/NDF: 970306.7/81

\- sign 1840.189+/-0.258 χ^2/NDF: 239161.7/41



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -777.018+/-953.189 χ^2/NDF:24.4/23

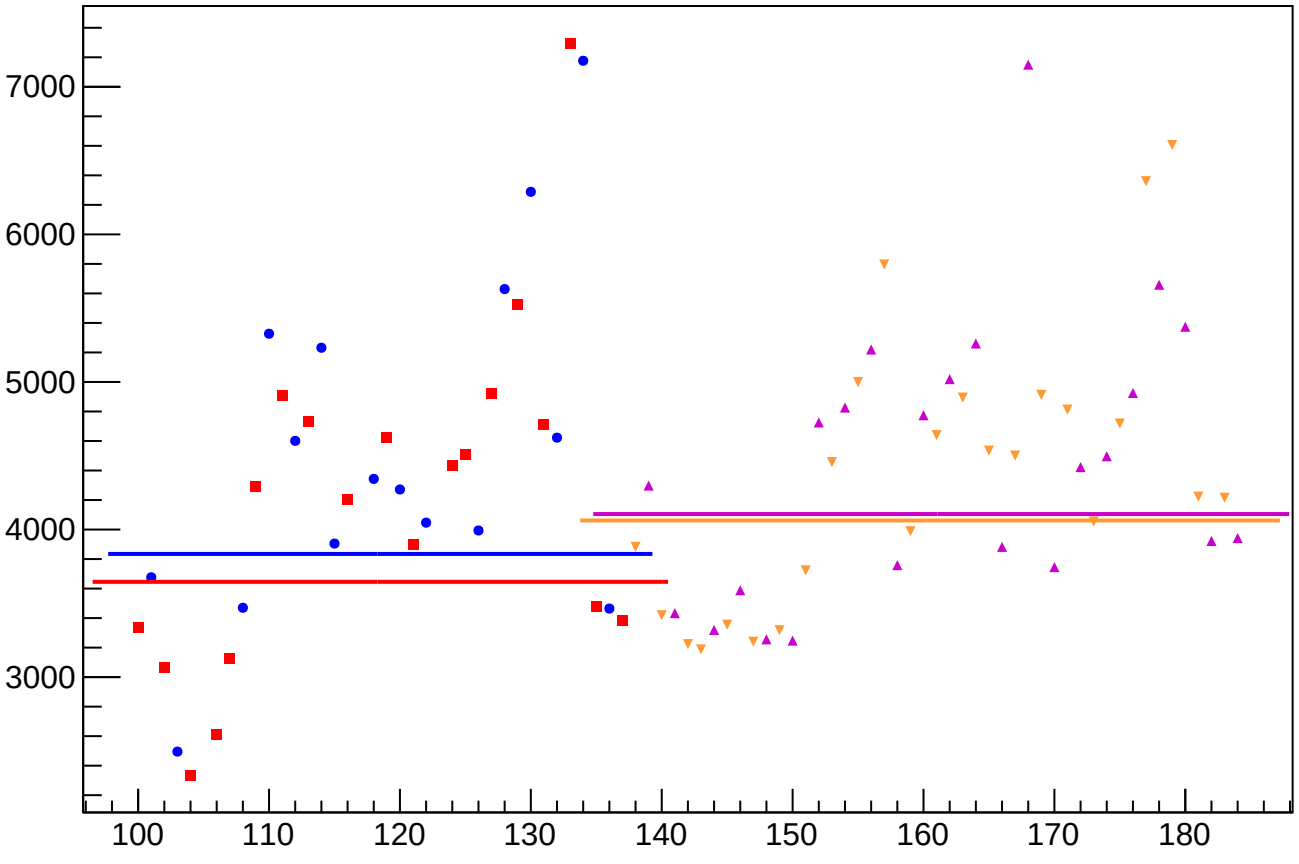
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

\+ sign -223.027+/-801.279 χ^2/NDF: 38.9/39

All: -291.682+/-567.123 χ^2/NDF: 70.8/81

\- sign -360.596+/-802.790 χ^2/NDF: 31.9/41



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

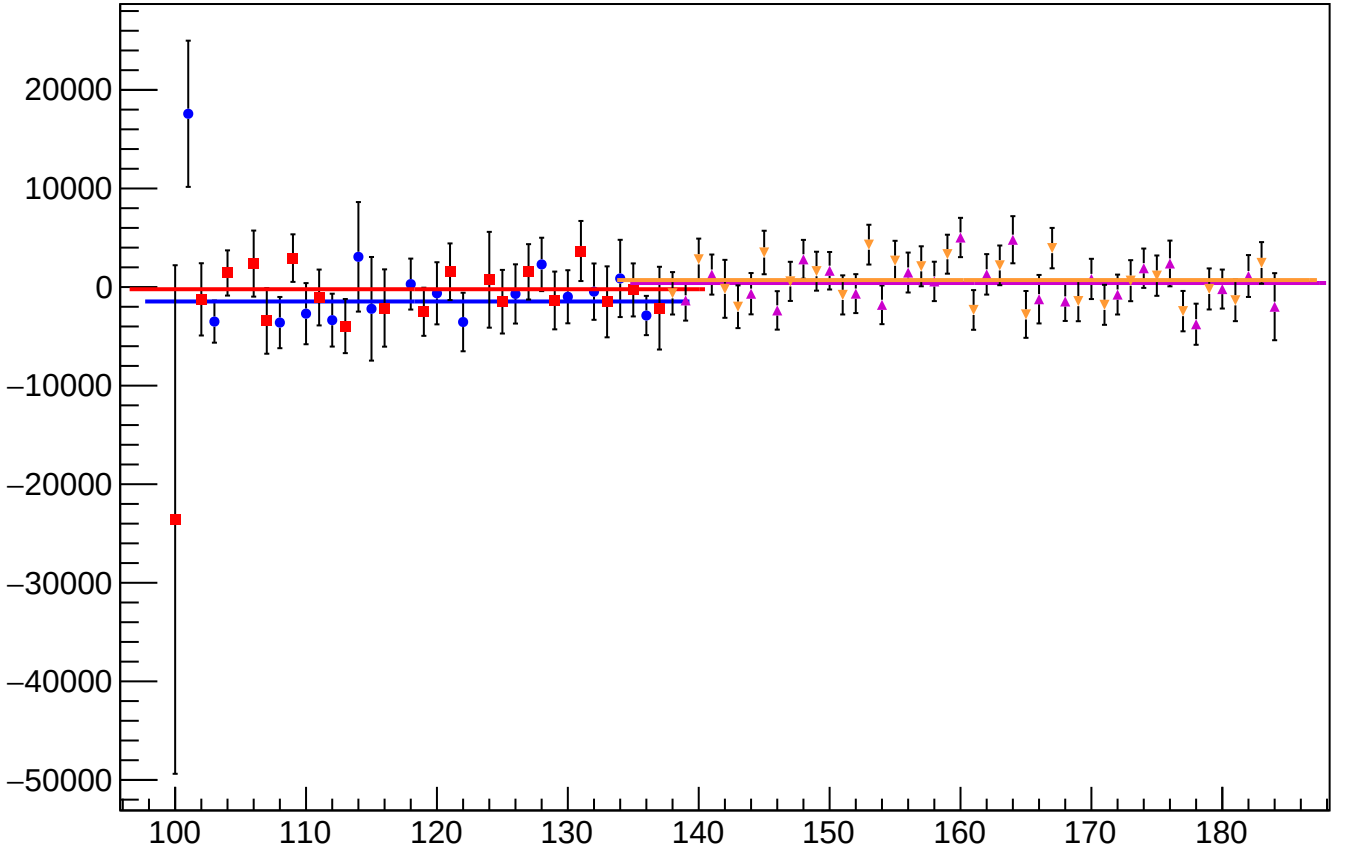
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3994.919+/-0.567 χ^2/NDF: 2394074.4/39

All: 3974.393+/-0.401 χ^2/NDF: 5025812.8/81

- sign 3953.789+/-0.568 χ^2/NDF: 2629108.5/41

dit_asym_atr_dd_mean vs Slug



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

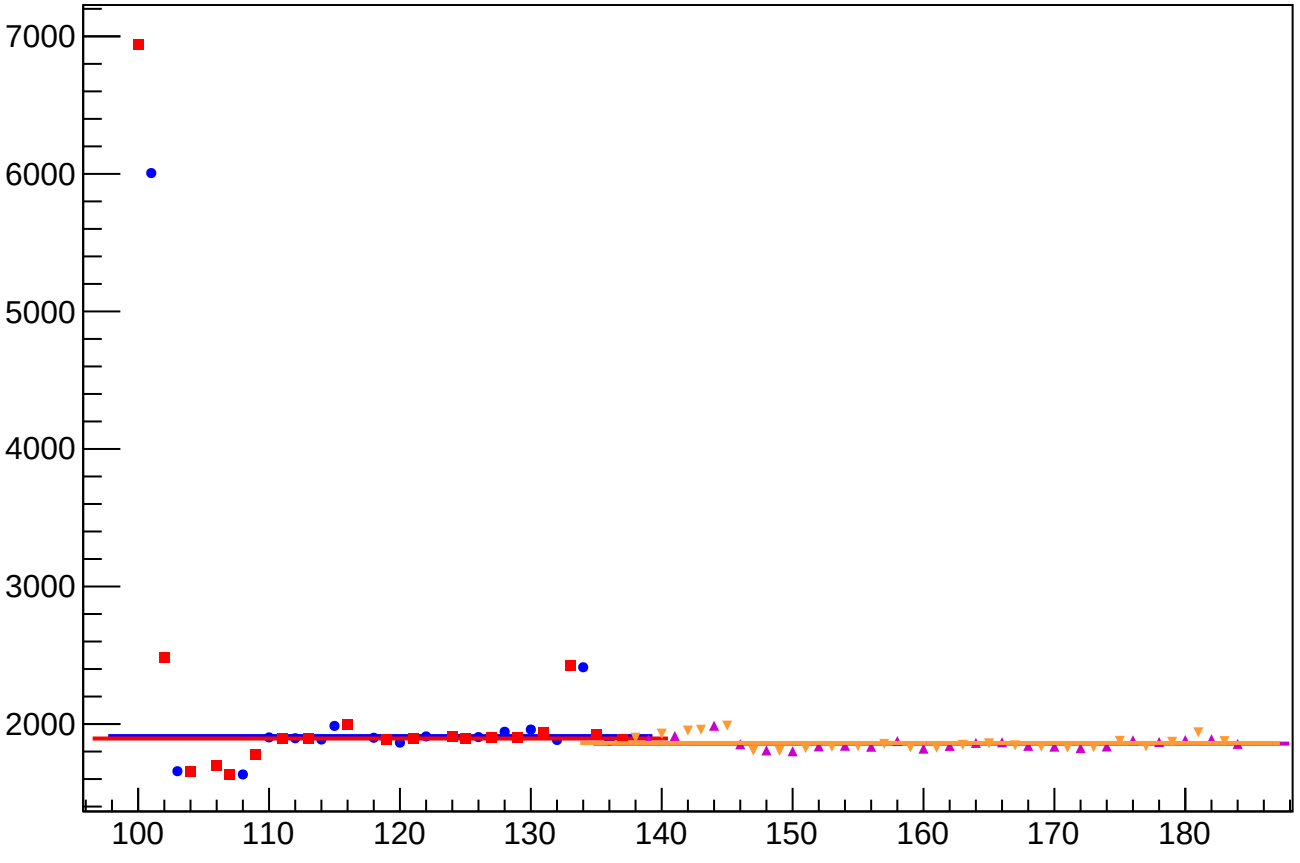
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 153.406+/-367.766 χ^2/NDF: 46.3/39

All: 195.948+/-260.852 χ^2/NDF: 81.3/81

- sign 239.018+/-370.046 χ^2/NDF: 35.0/41

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

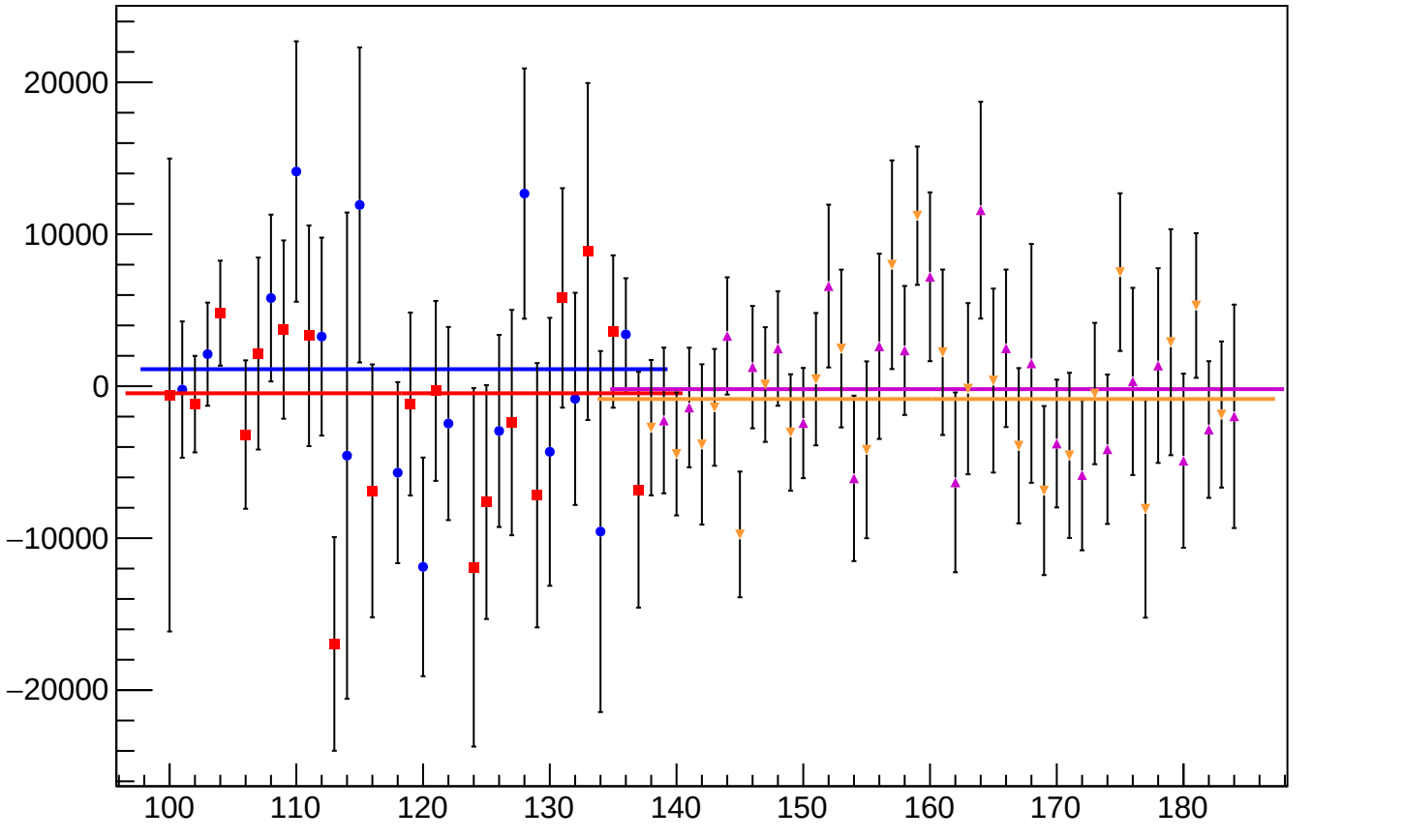
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1875.168+/-0.260 χ^2/NDF: 728860.5/39

All: 1871.500+/-0.184 χ^2/NDF: 969415.9/81

- sign 1867.788+/-0.262 χ^2/NDF: 240155.1/41



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

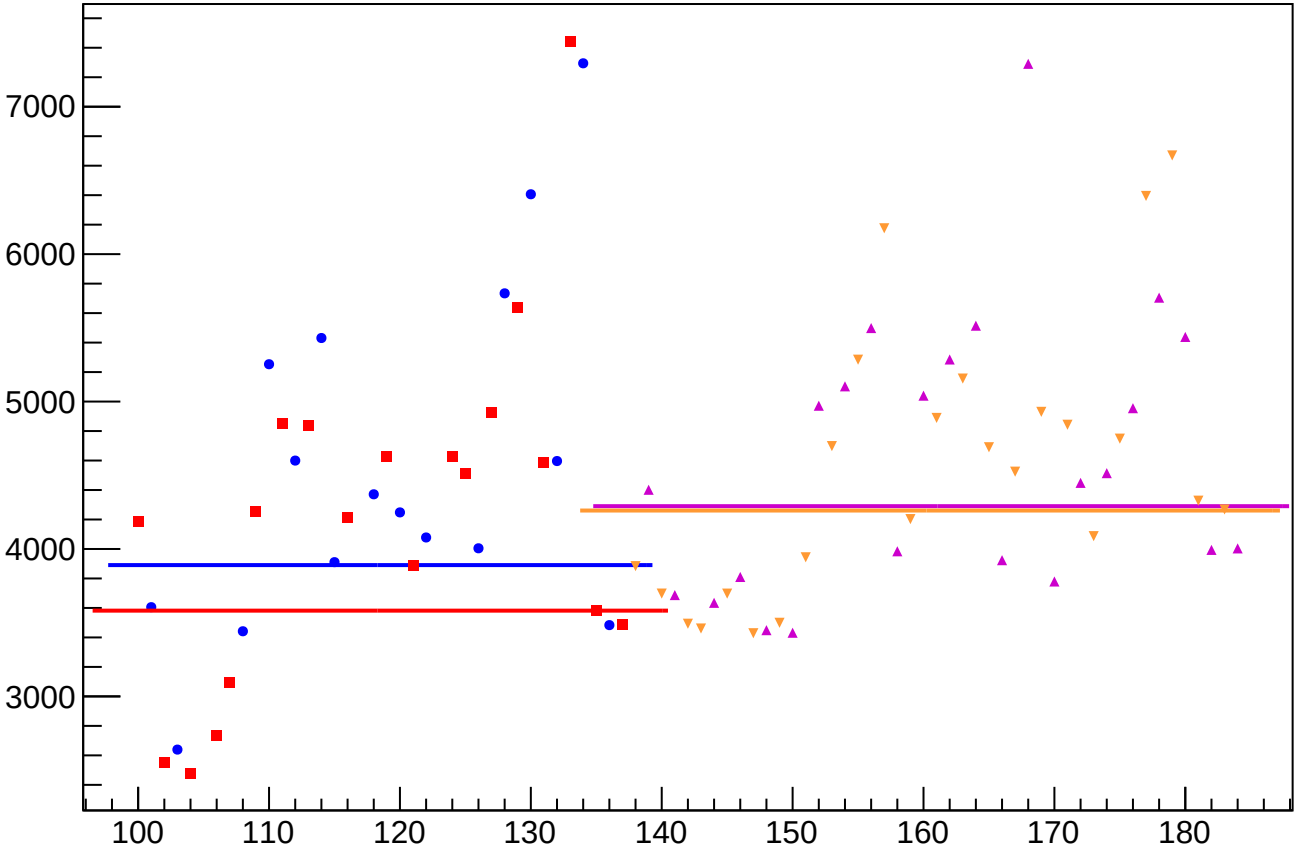
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -239.280+/-829.897 χ^2/NDF: 38.5/39

All: -264.792+/-583.148 χ^2/NDF: 68.7/81

- sign -289.675+/-819.592 χ^2/NDF: 30.2/41

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

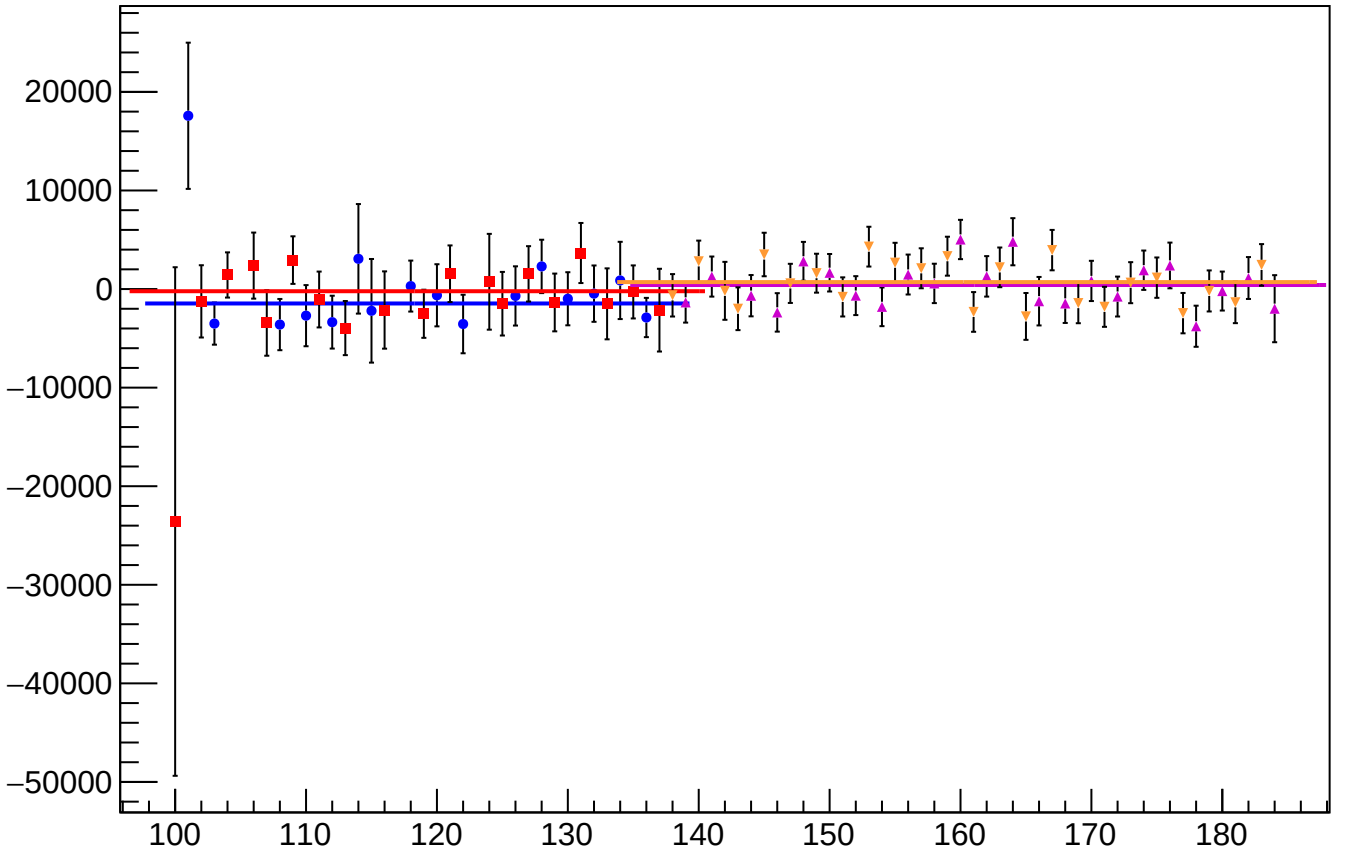
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4147.189+/-0.587 χ^2/NDF: 2153614.2/39

All: 4091.452+/-0.412 χ^2/NDF: 4950645.7/81

- sign 4037.090+/-0.580 χ^2/NDF: 2779211.5/41



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

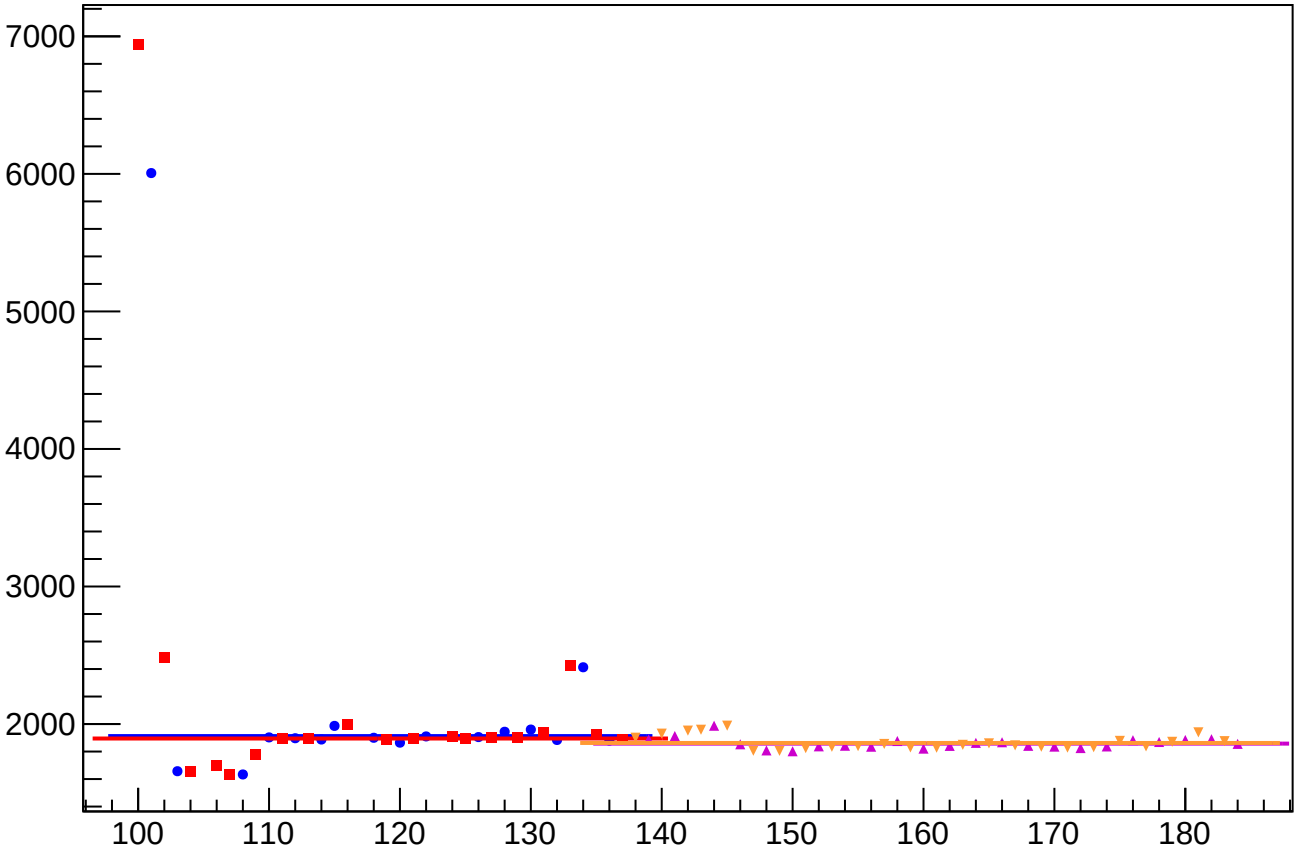
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 153.409+/-367.766 χ^2/NDF: 46.3/39

All: 195.950+/-260.852 χ^2/NDF: 81.3/81

- sign 239.020+/-370.046 χ^2/NDF: 35.0/41

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

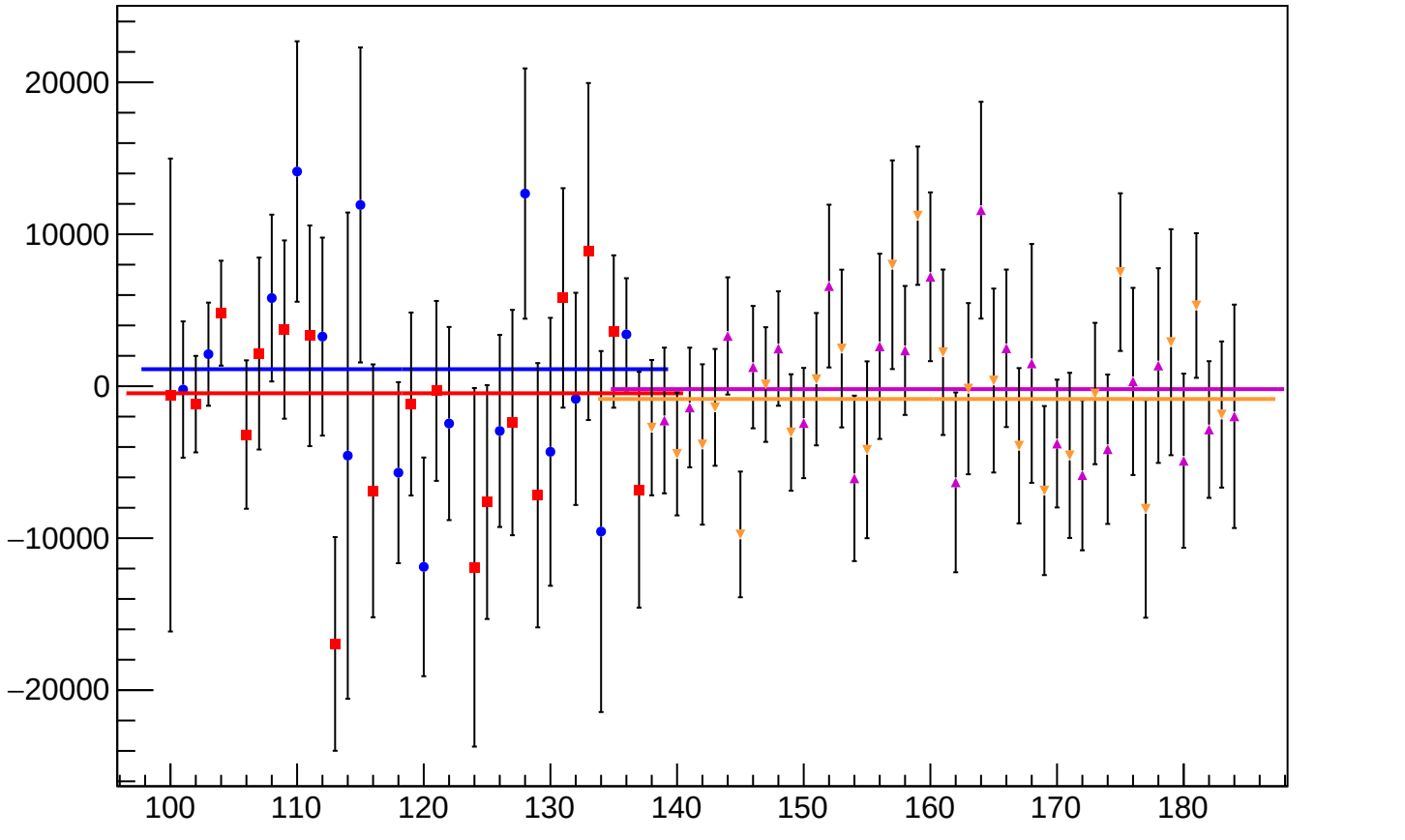
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1875.169+/-0.260 χ^2/NDF: 728860.1/39

All: 1871.500+/-0.184 χ^2/NDF: 969415.3/81

- sign 1867.788+/-0.262 χ^2/NDF: 240154.9/41



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -841.673+/-996.955 χ^2/NDF:23.8/23

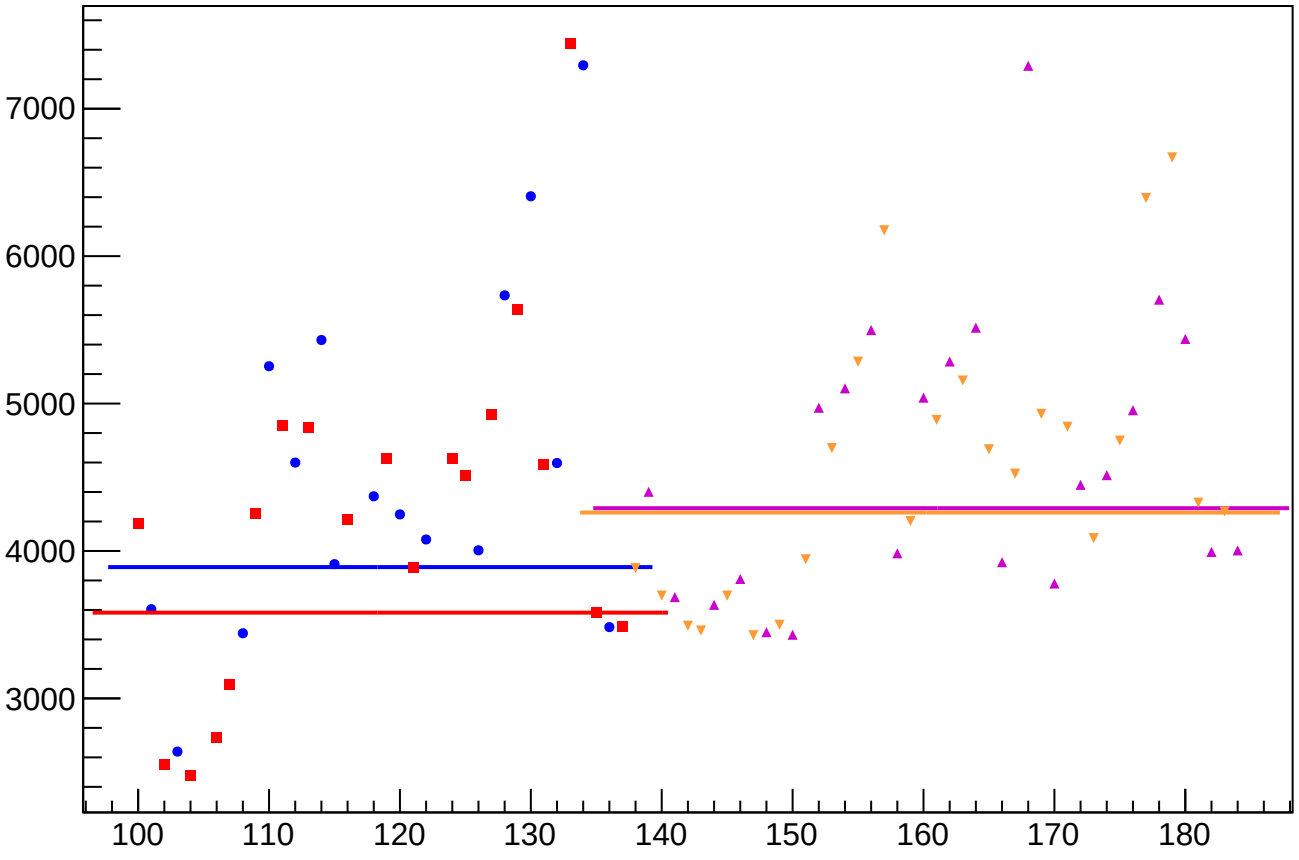
Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -239.281+/-829.898 χ^2/NDF: 38.5/39

All: -264.794+/-583.149 χ^2/NDF: 68.7/81

- sign -289.676+/-819.593 χ^2/NDF: 30.2/41



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

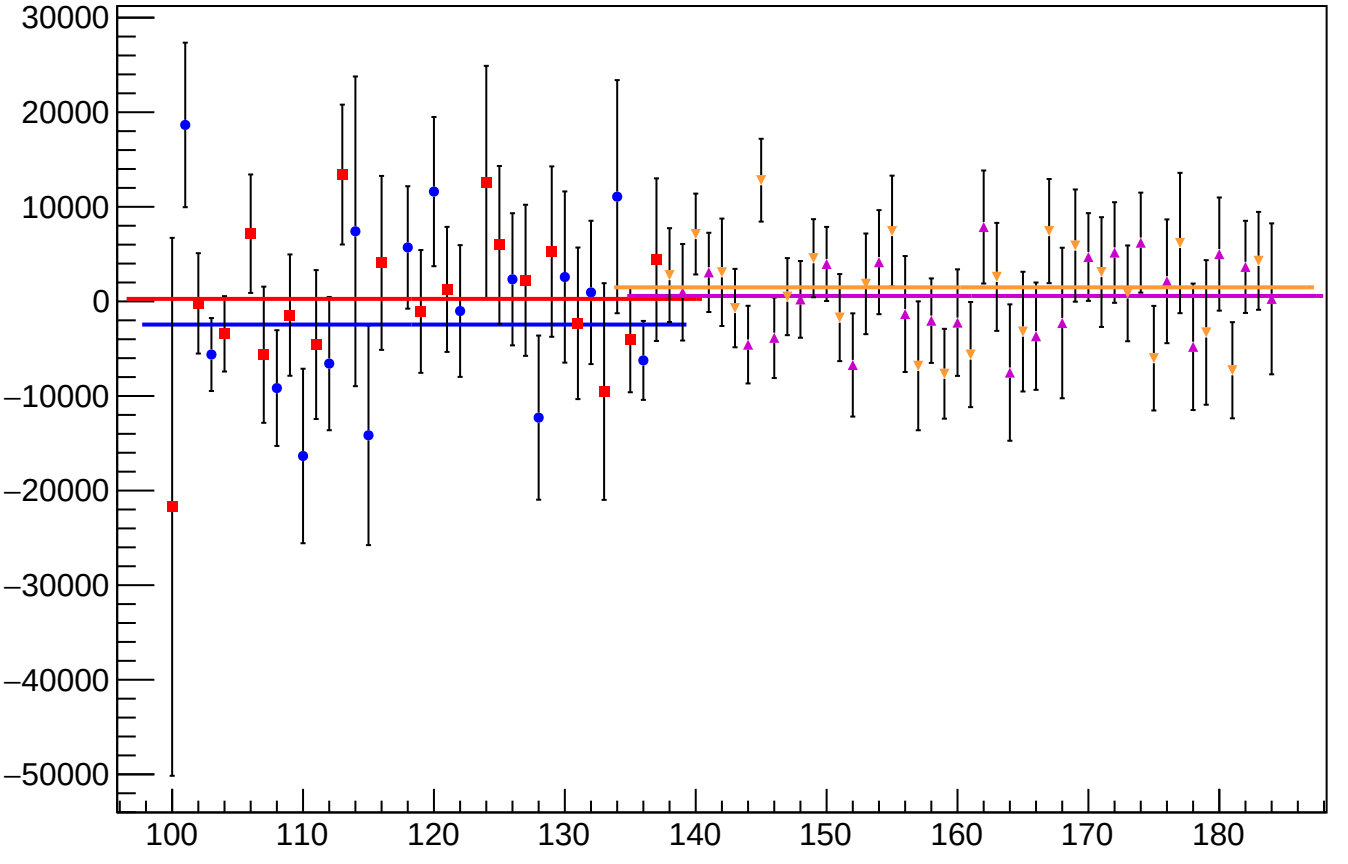
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4147.192+/-0.587 χ^2/NDF: 2153612.4/39

All: 4091.455+/-0.412 χ^2/NDF: 4950650.7/81

- sign 4037.092+/-0.580 χ^2/NDF: 2779217.9/41

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

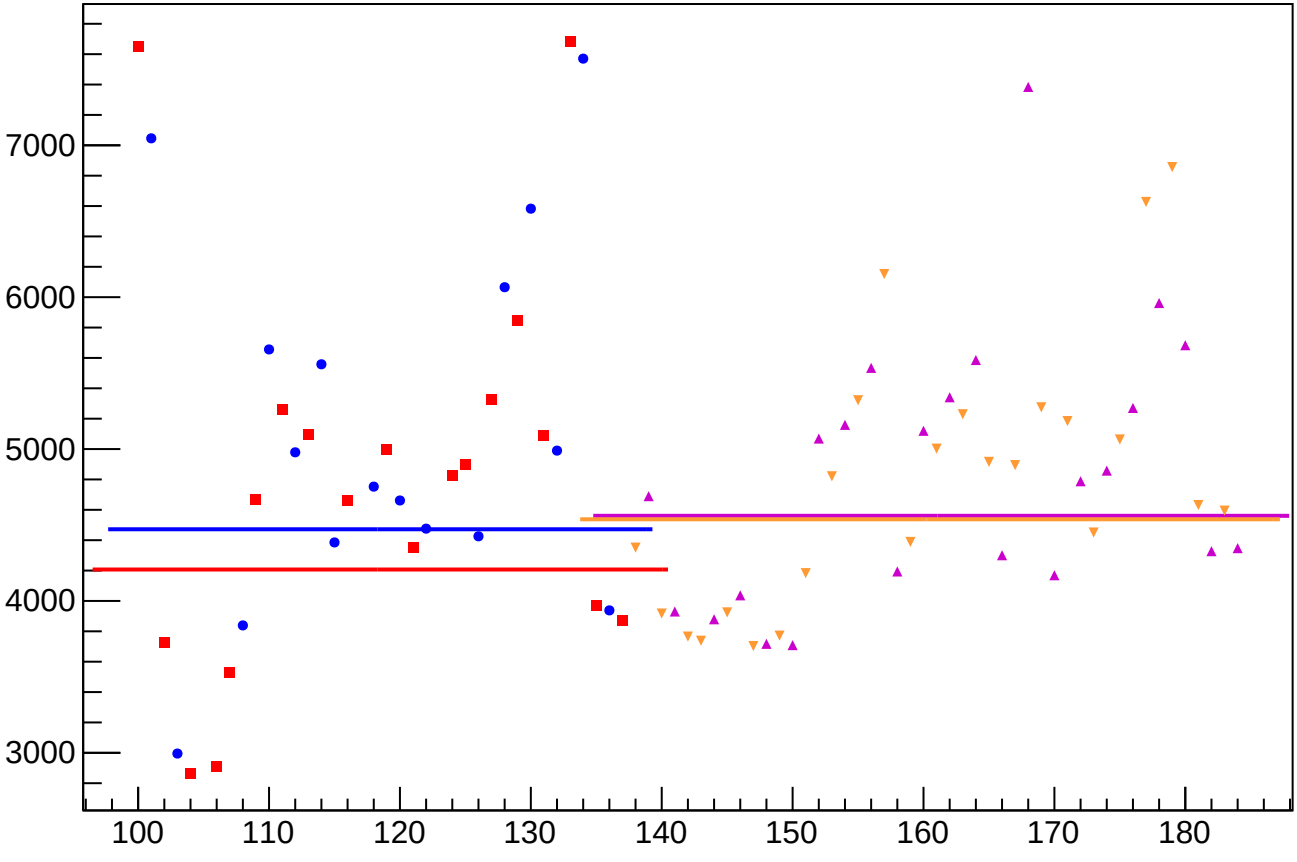
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

\+ sign 409.795+/-900.385 χ^2/NDF: 50.8/39

All: 445.320+/-636.631 χ^2/NDF: 75.9/81

\- sign 480.836+/-900.279 χ^2/NDF: 25.2/41

asym_atr_dd_rms vs Slug



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

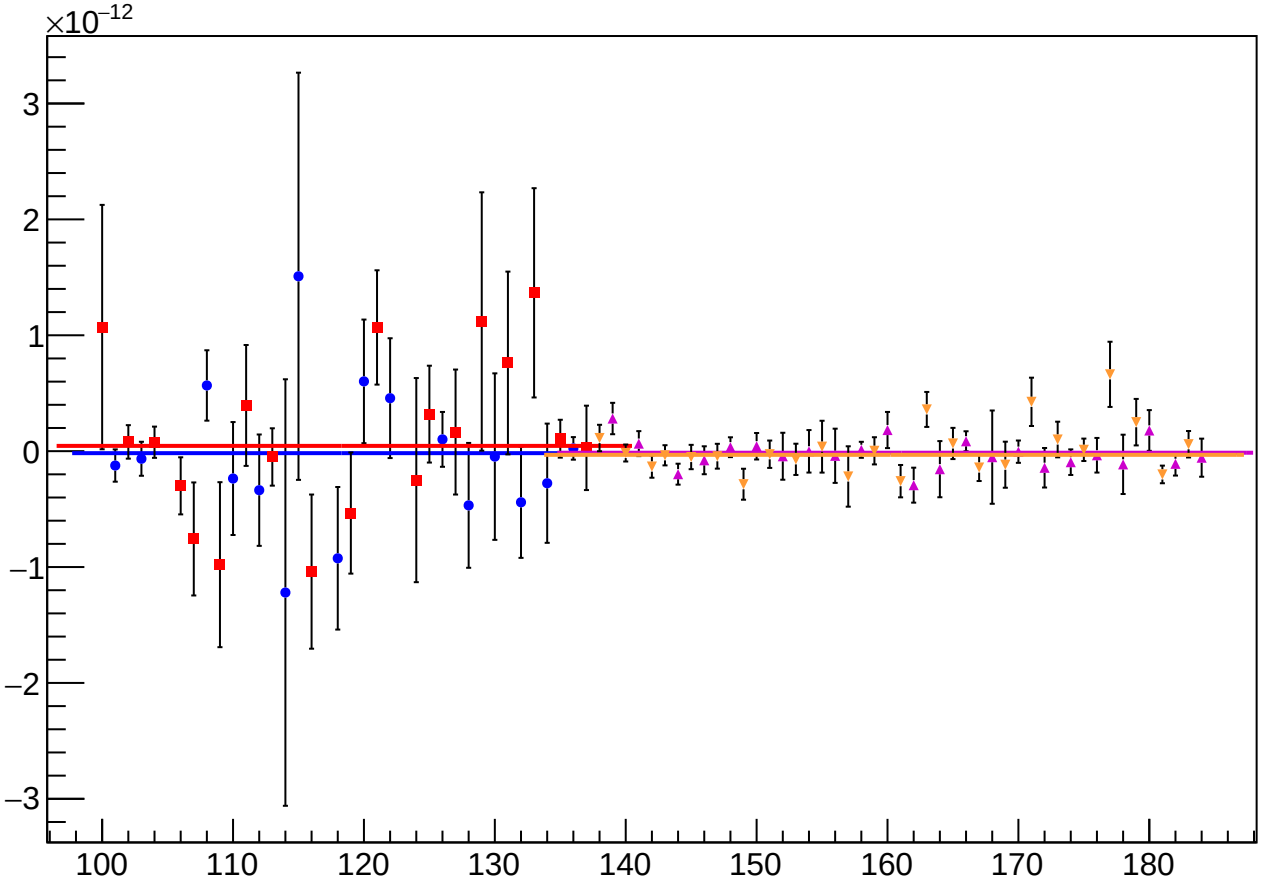
Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4519.568+/-0.637 χ^2/NDF: 1886683.0/39

All: 4484.898+/-0.450 χ^2/NDF: 3785814.2/81

- sign 4450.411+/-0.635 χ^2/NDF: 1893215.9/41

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

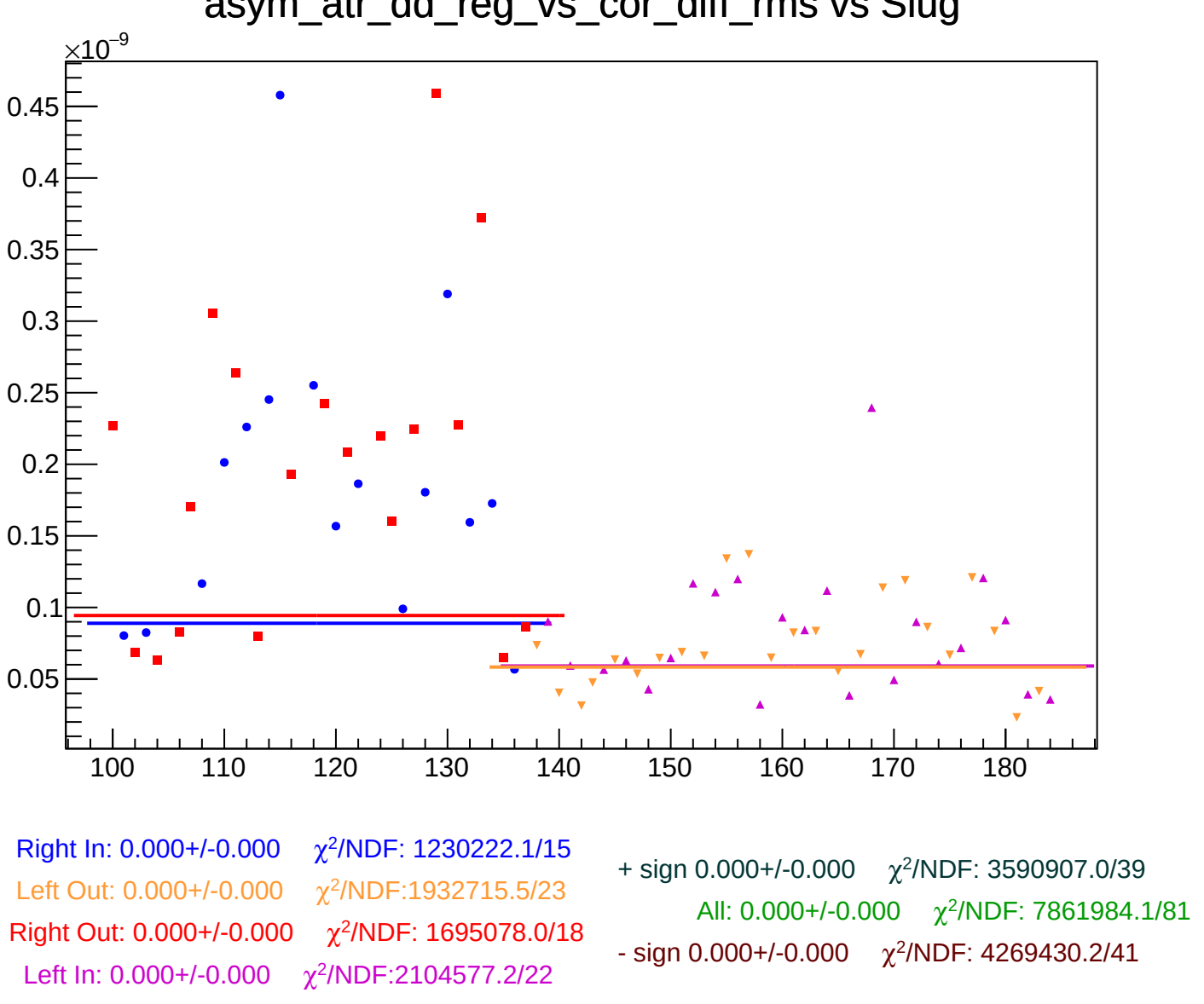
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

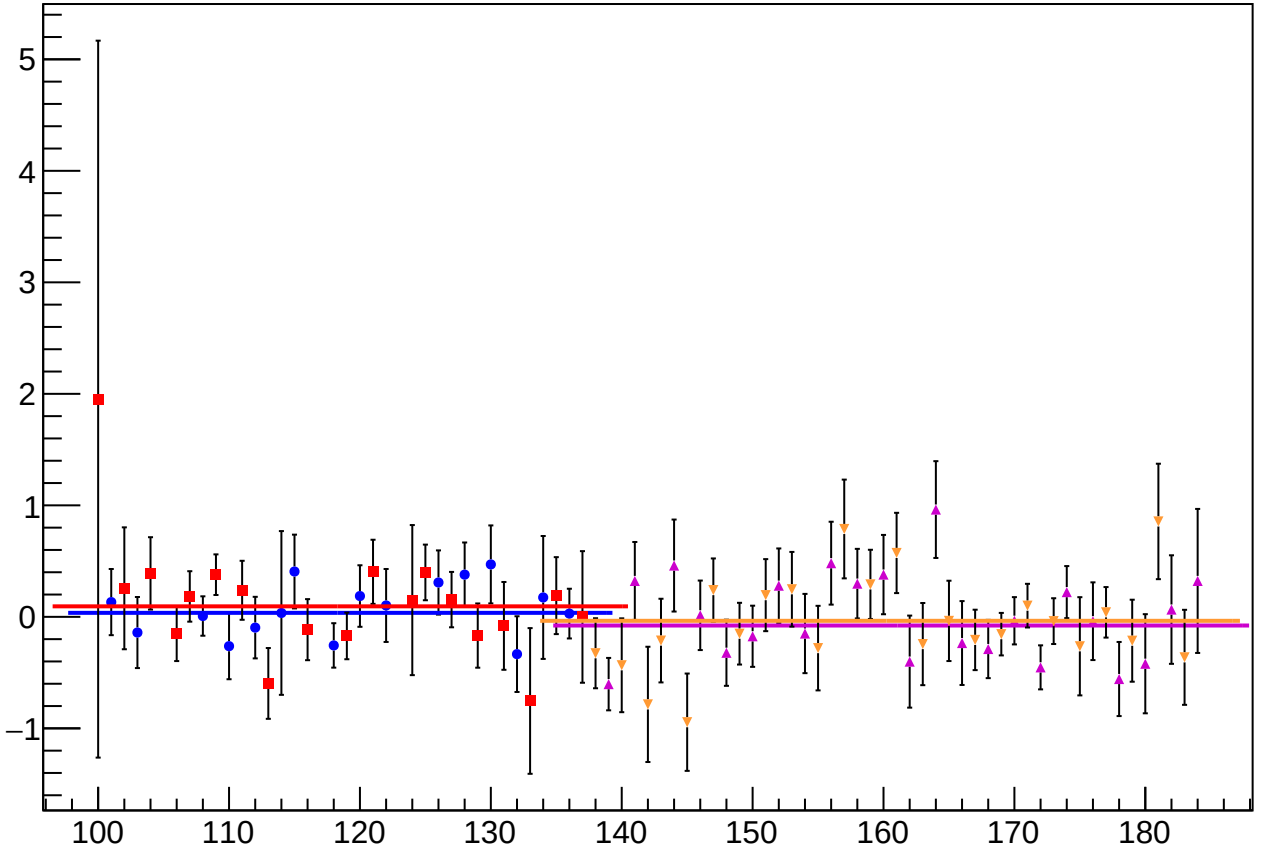
+ sign -0.000+/-0.000 χ^2/NDF: 50.4/39

All: -0.000+/-0.000 χ^2/NDF: 93.4/81

- sign -0.000+/-0.000 χ^2/NDF: 42.5/41


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:2104577.2/22
+ sign 0.000+/-0.000 χ²/NDF: 3590907.0/39
All: 0.000+/-0.000 χ²/NDF: 7861984.1/81
- sign 0.000+/-0.000 χ²/NDF: 4269430.2/41

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

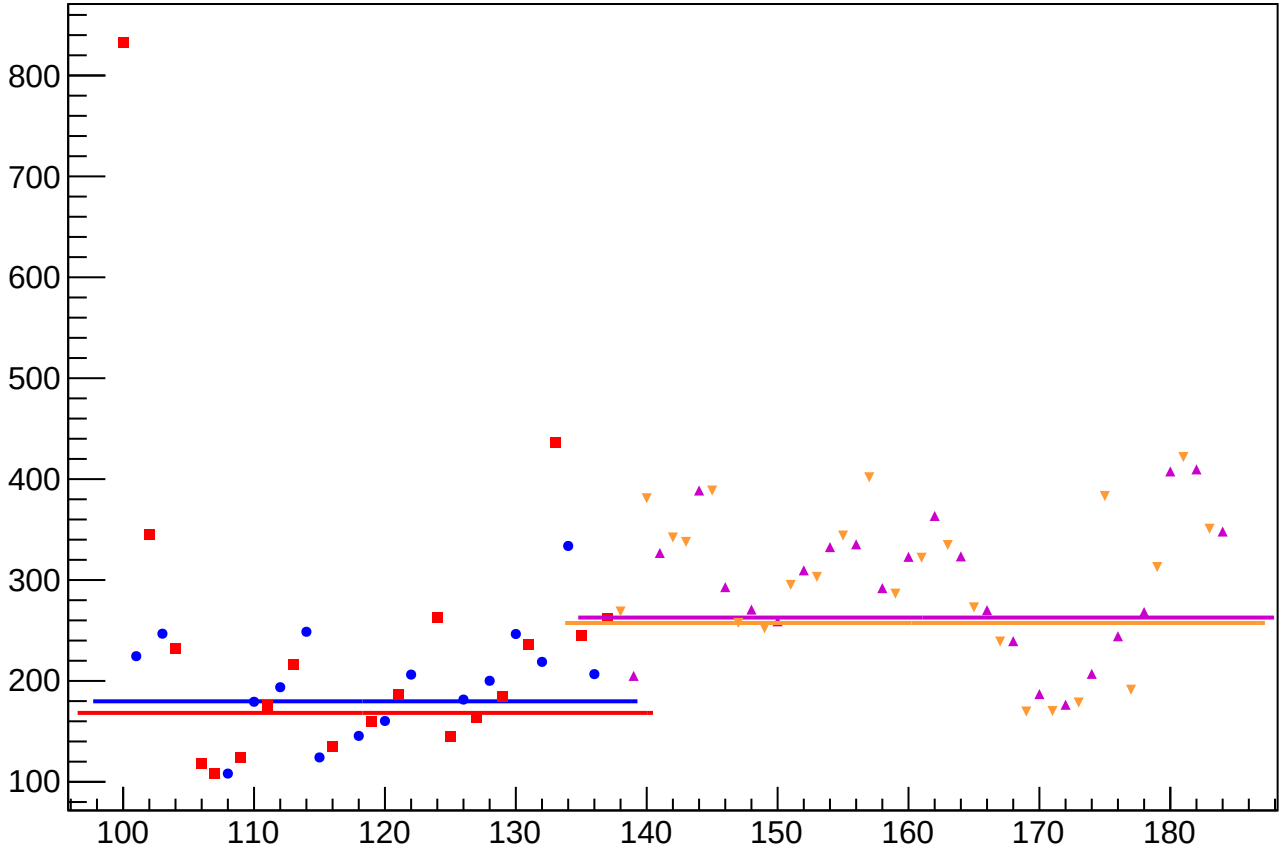
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.004+/-0.047 χ^2/NDF: 35.5/39

All: 0.000+/-0.033 χ^2/NDF: 87.6/81

- sign 0.005+/-0.047 χ^2/NDF: 52.1/41

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

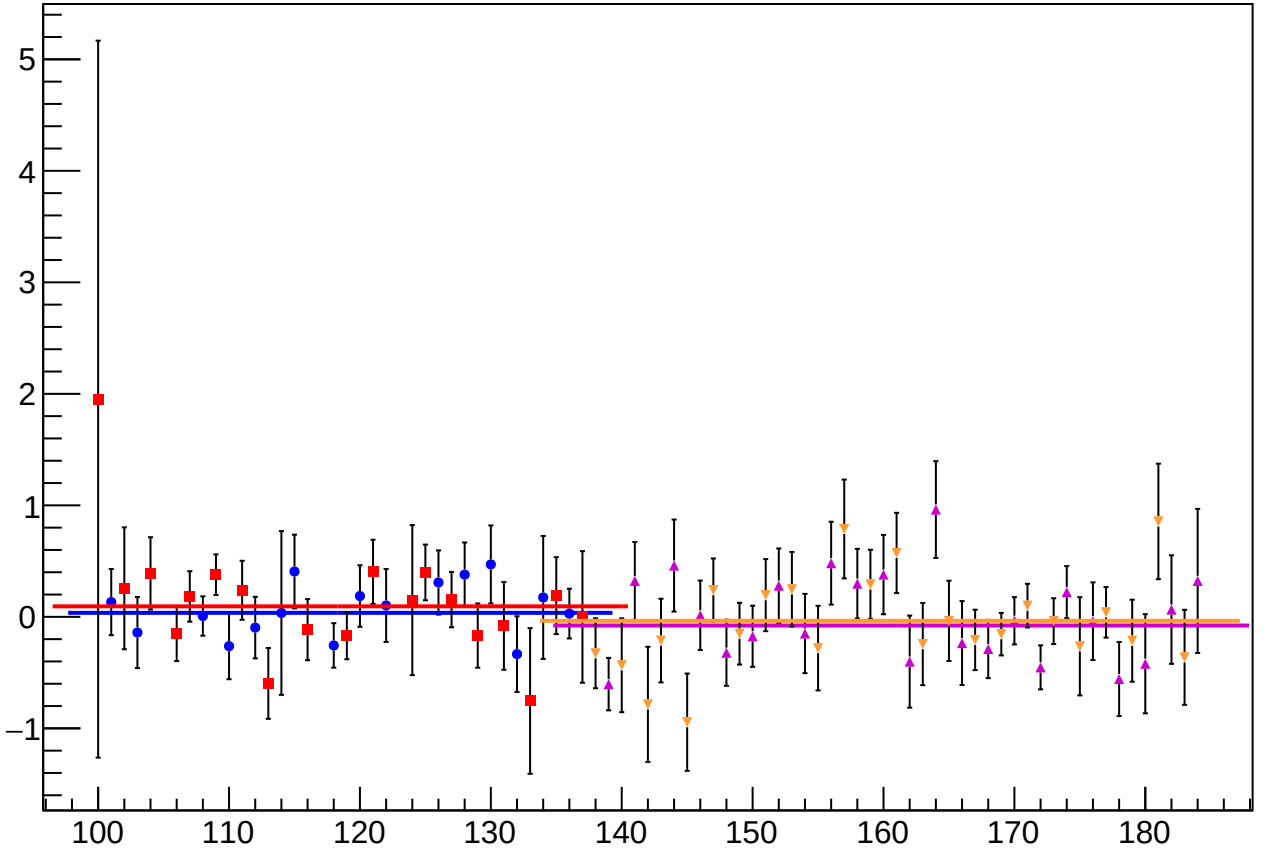
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 223.108+/-0.033 χ^2/NDF: 5127720.8/39

All: 220.307+/-0.023 χ^2/NDF: 10607796.2/81

- sign 217.519+/-0.033 χ^2/NDF: 5465858.7/41

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

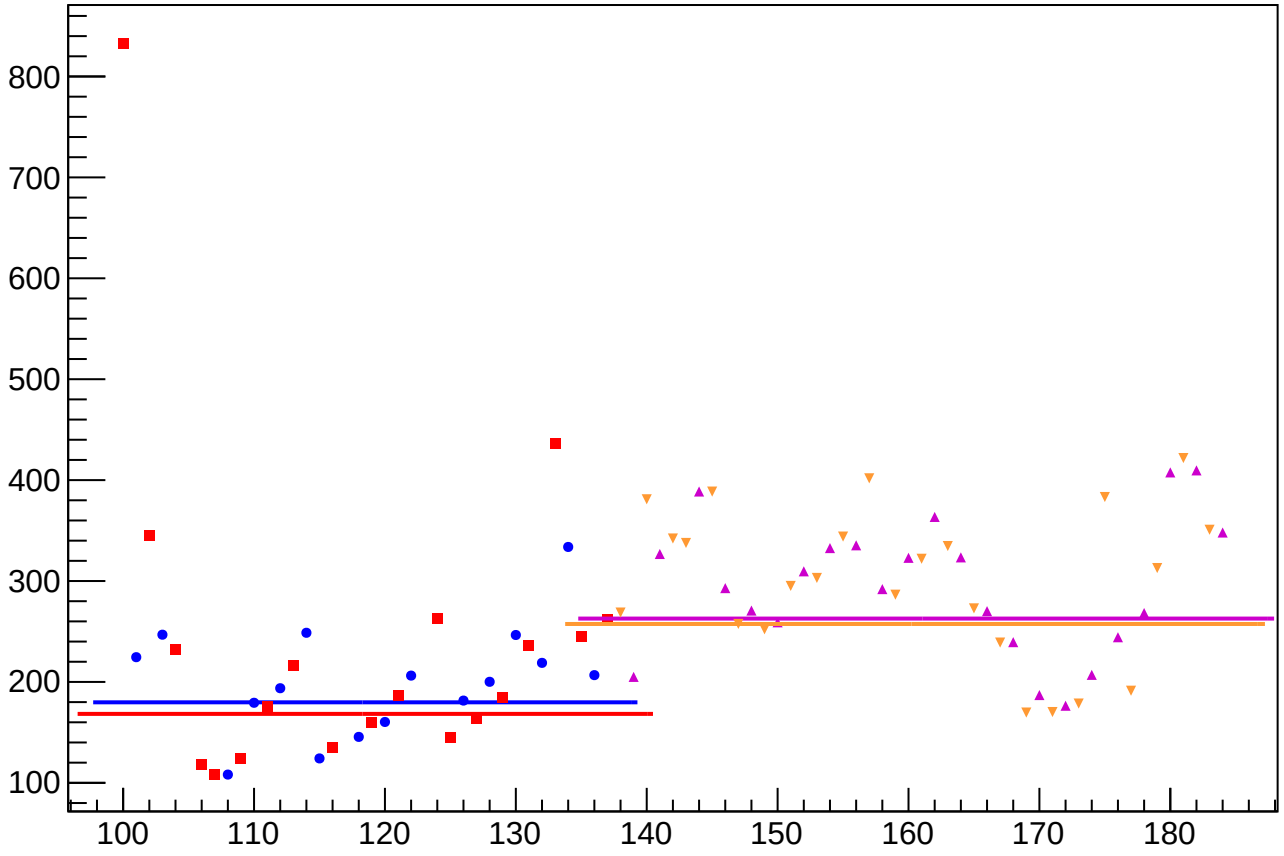
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.004+/-0.047 χ^2/NDF: 35.5/39

All: 0.000+/-0.033 χ^2/NDF: 87.6/81

- sign 0.005+/-0.047 χ^2/NDF: 52.1/41

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

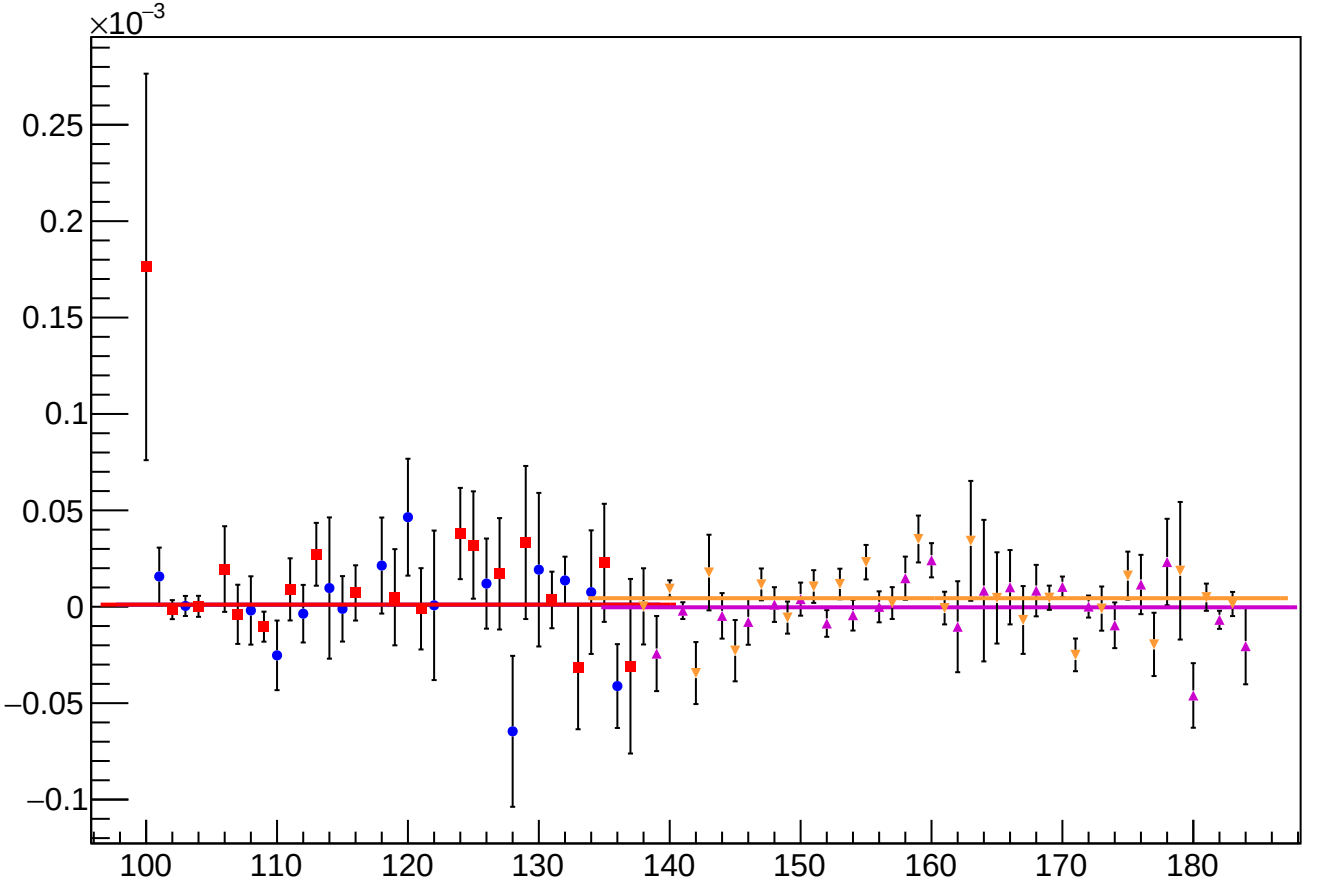
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 223.108+/-0.033 χ^2/NDF: 5127720.8/39

All: 220.307+/-0.023 χ^2/NDF: 10607796.2/81

- sign 217.519+/-0.033 χ^2/NDF: 5465858.7/41

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

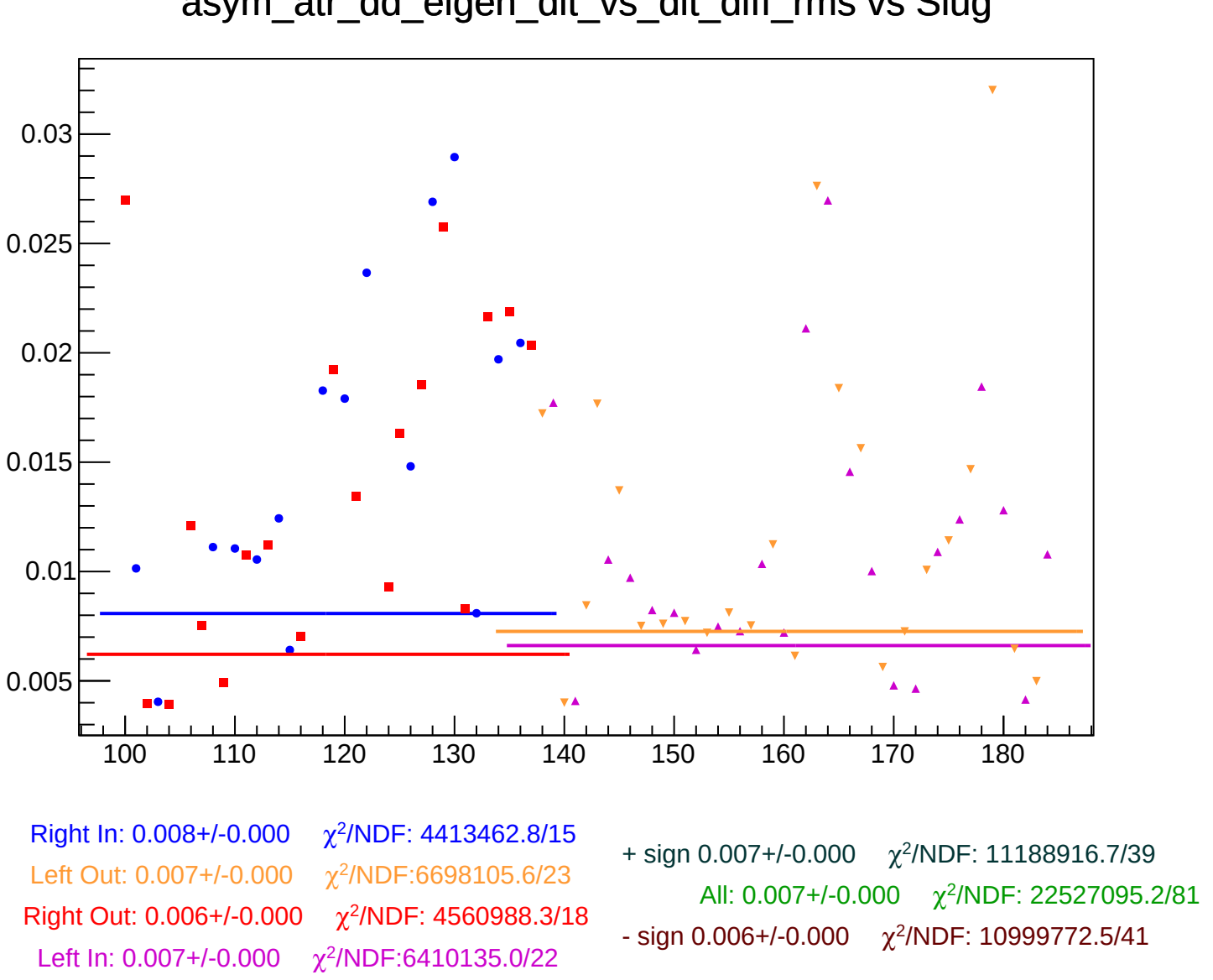
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

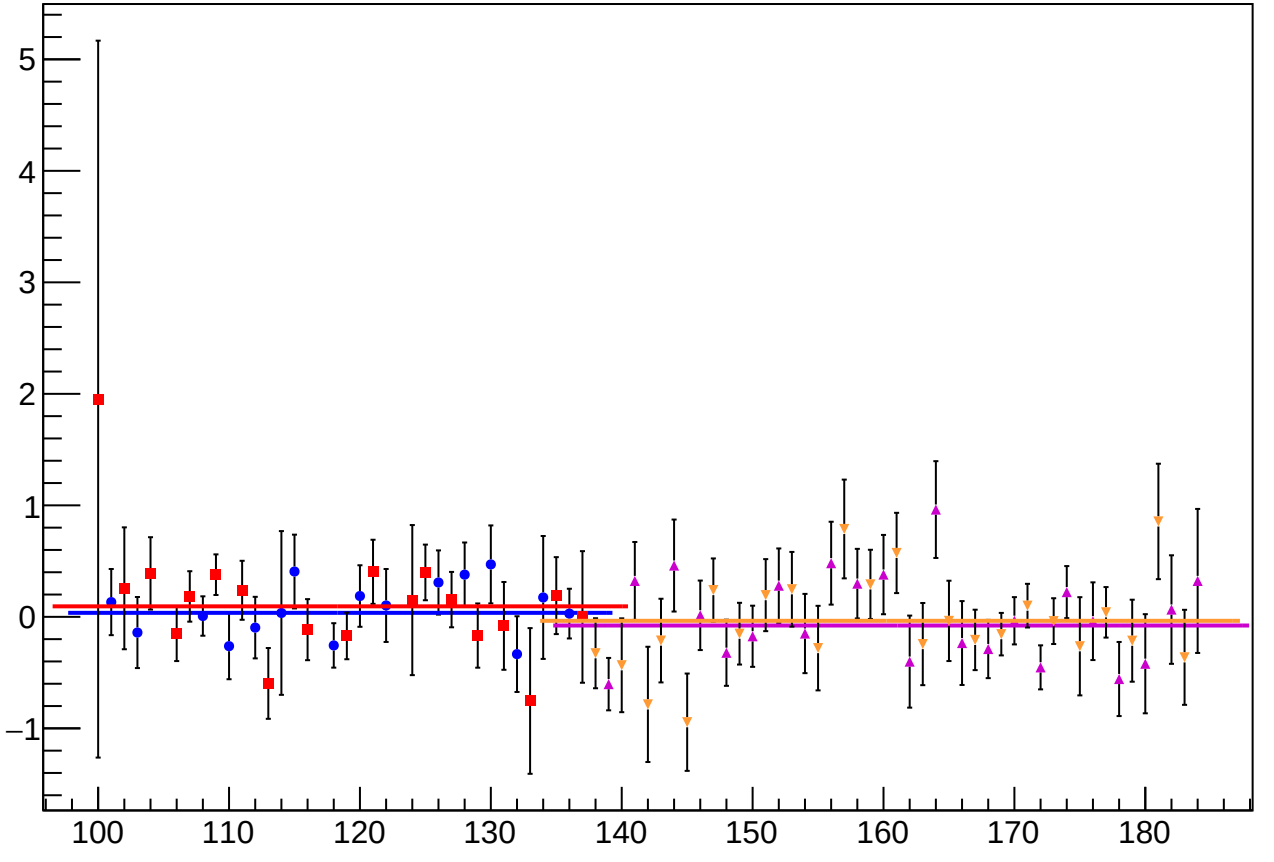
+ sign 0.000+/-0.000 χ^2/NDF: 57.3/39

All: 0.000+/-0.000 χ^2/NDF: 107.2/81

- sign 0.000+/-0.000 χ^2/NDF: 47.4/41


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:6410135.0/22
+ sign 0.007+/-0.000 χ²/NDF: 11188916.7/39
All: 0.007+/-0.000 χ²/NDF: 22527095.2/81
- sign 0.006+/-0.000 χ²/NDF: 10999772.5/41

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

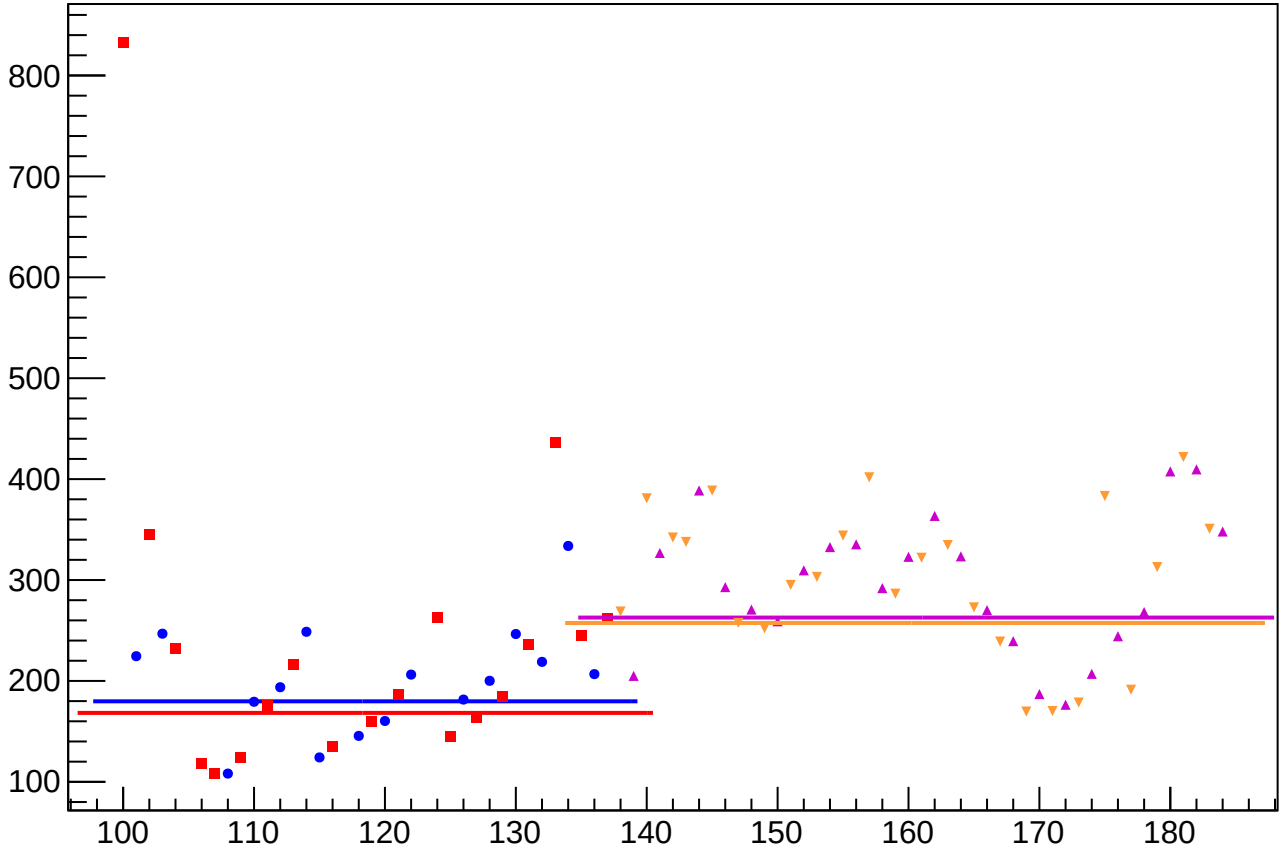
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.004+/-0.047 χ^2/NDF: 35.5/39

All: 0.000+/-0.033 χ^2/NDF: 87.6/81

- sign 0.005+/-0.047 χ^2/NDF: 52.1/41

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

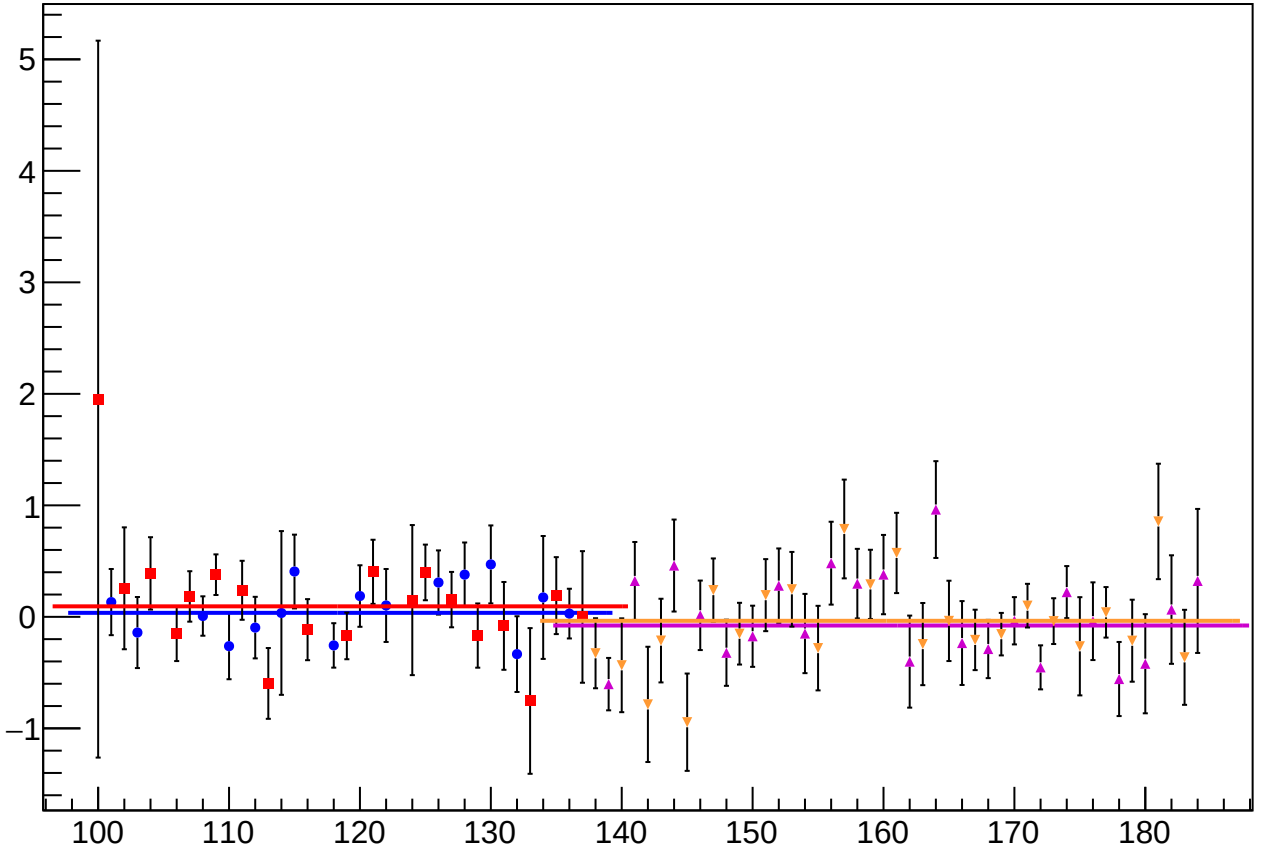
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 223.107+/-0.033 χ^2/NDF: 5128038.0/39

All: 220.307+/-0.023 χ^2/NDF: 10608234.3/81

- sign 217.520+/-0.033 χ^2/NDF: 5465988.0/41

asym_atr_dd_eigen_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

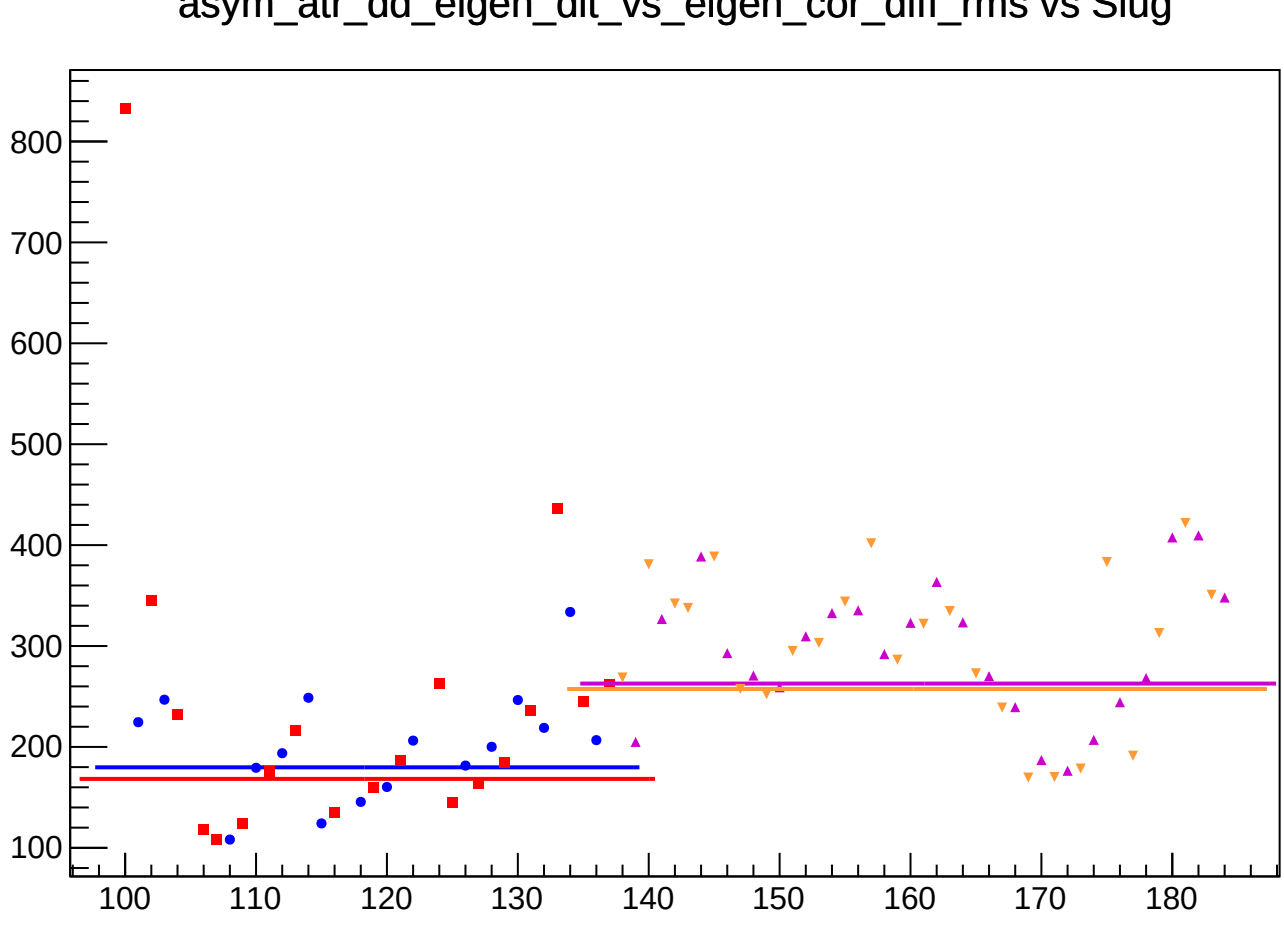
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

\+ sign -0.004+/-0.047 χ^2/NDF: 35.5/39

All: 0.000+/-0.033 χ^2/NDF: 87.6/81

\- sign 0.005+/-0.047 χ^2/NDF: 52.1/41



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

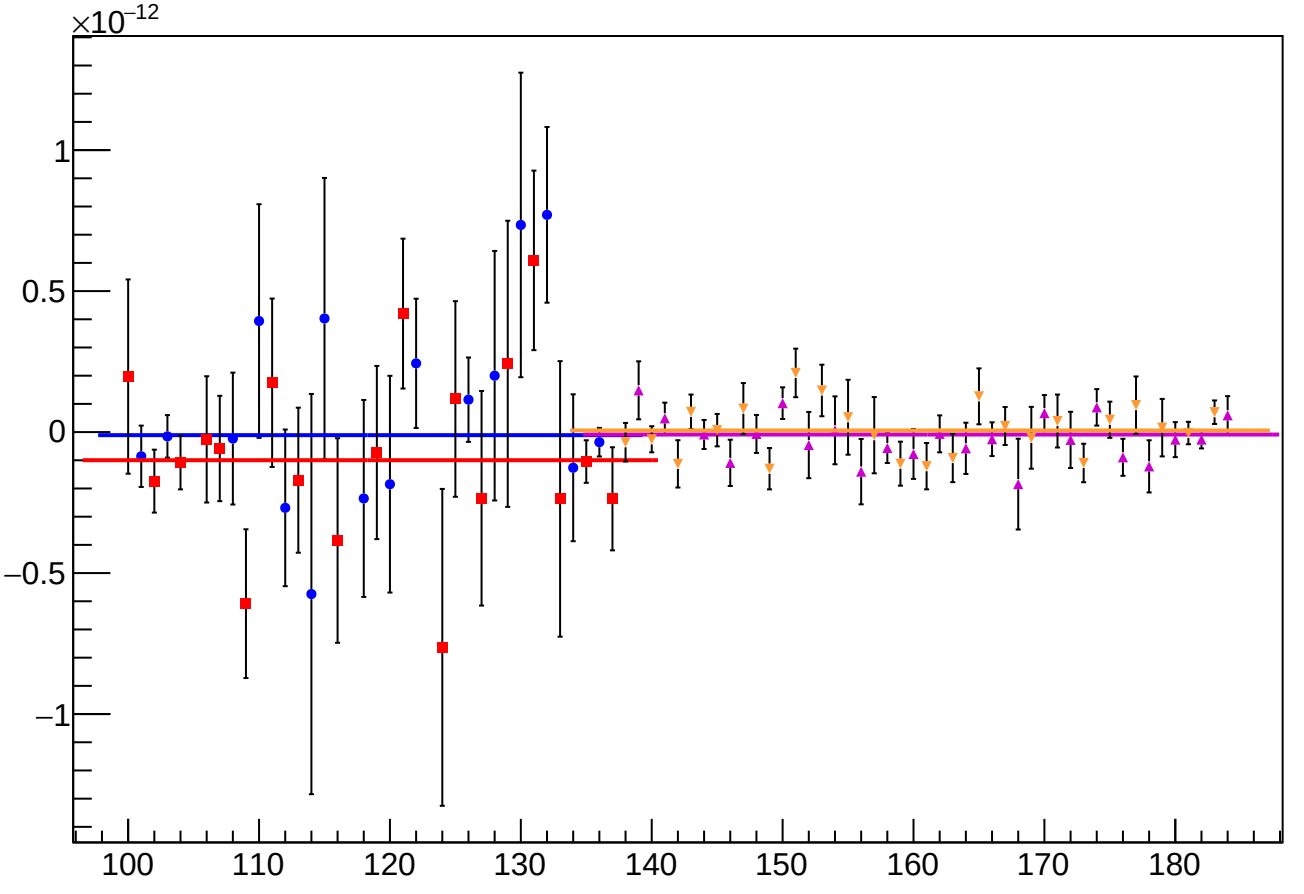
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 223.107+/-0.033 χ^2/NDF: 5128038.0/39

All: 220.307+/-0.023 χ^2/NDF: 10608234.3/81

- sign 217.520+/-0.033 χ^2/NDF: 5465988.0/41

asym_atr_dd_eigen_cor_vs_cor_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:30.4/23

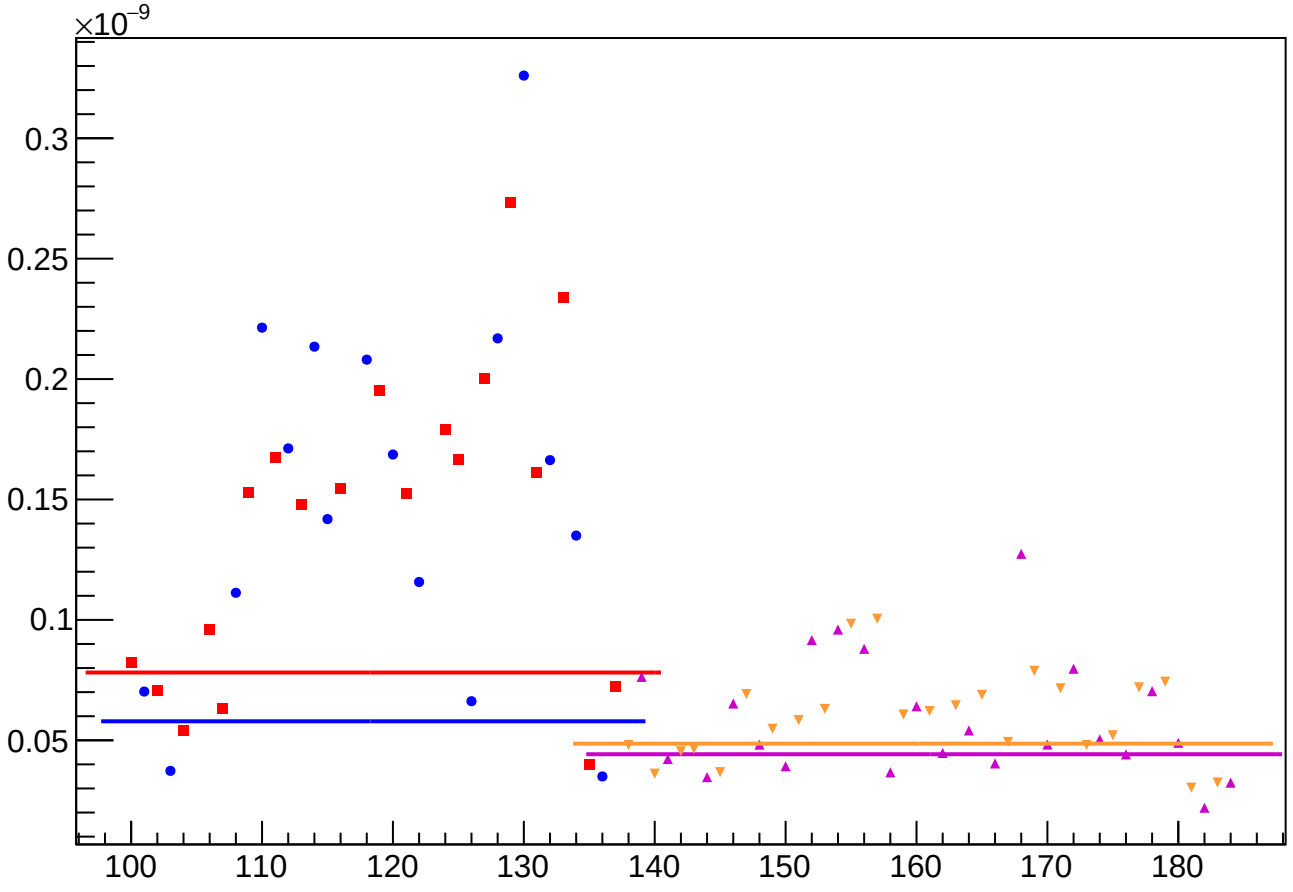
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/39

All: -0.000+/-0.000 χ^2/NDF: 90.8/81

- sign -0.000+/-0.000 χ^2/NDF: 43.9/41



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

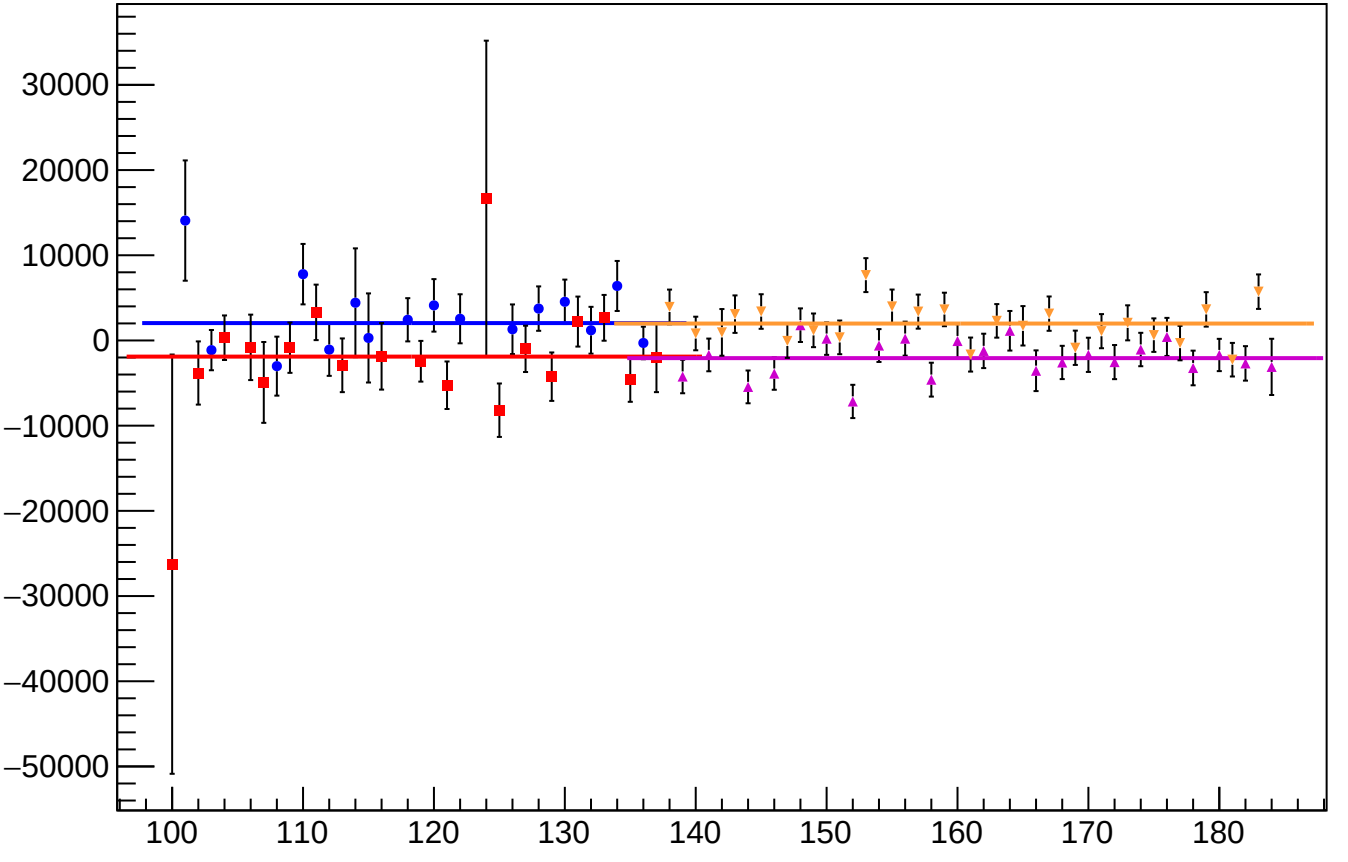
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5933690.1/39

All: 0.000+/-0.000 χ^2/NDF: 13496963.7/81

- sign 0.000+/-0.000 χ^2/NDF: 7529329.9/41

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

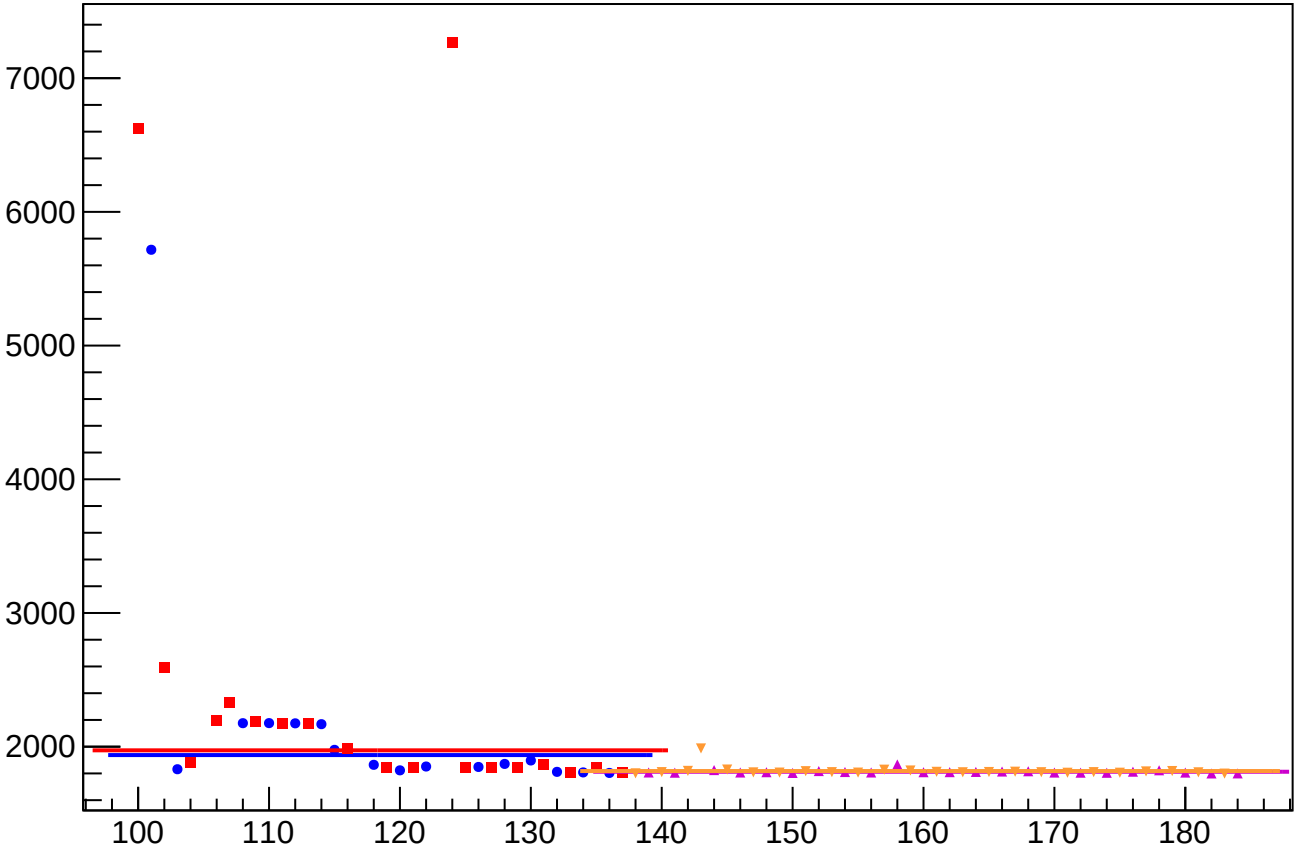
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1997.888+/-362.024 χ^2/NDF: 47.2/39

All: 11.367+/-257.721 χ^2/NDF: 153.4/81

- sign -2029.806+/-366.971 χ^2/NDF: 45.1/41

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

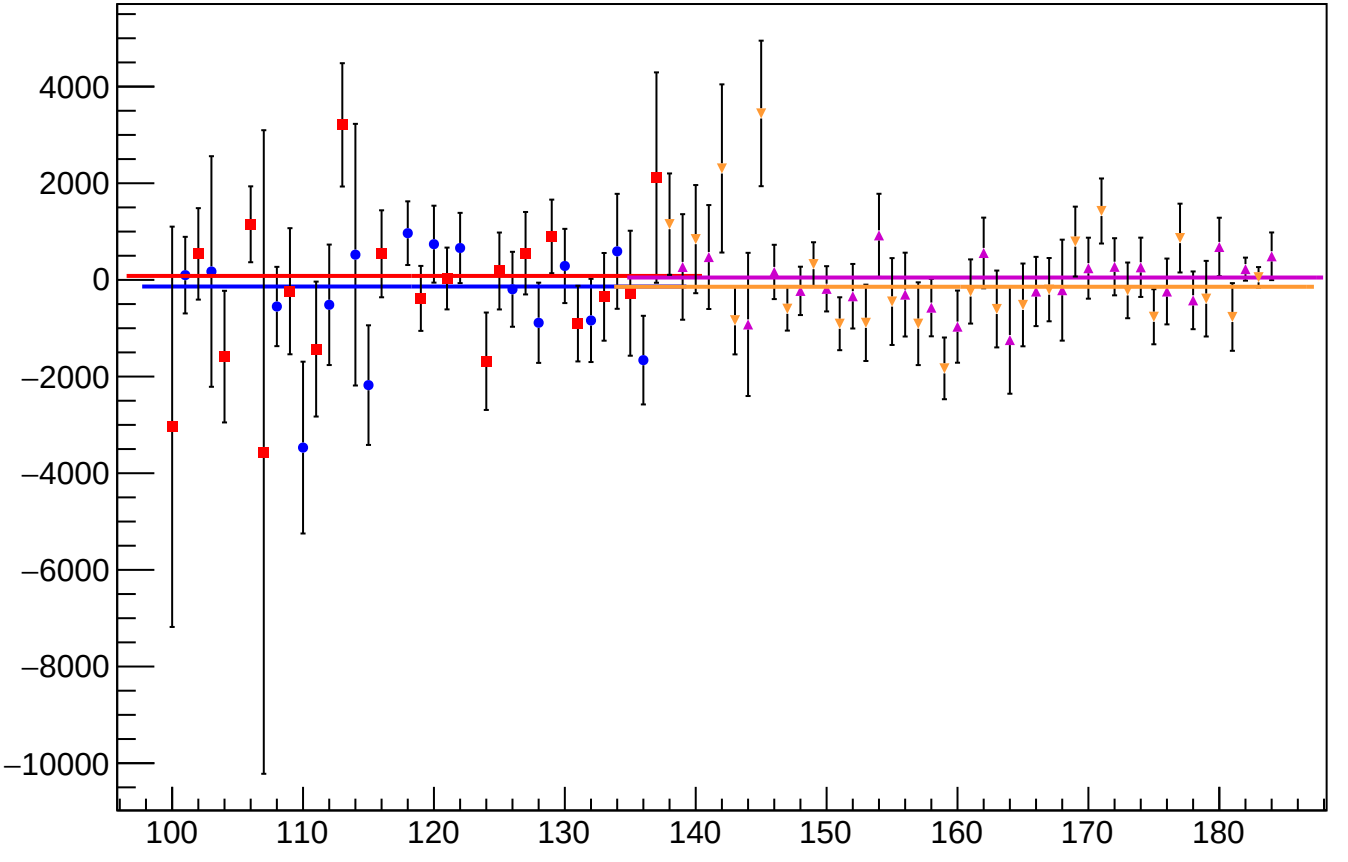
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.669+/-0.256 χ^2/NDF: 690925.0/39

All: 1849.443+/-0.182 χ^2/NDF: 1141826.4/81

- sign 1852.293+/-0.259 χ^2/NDF: 450663.4/41

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

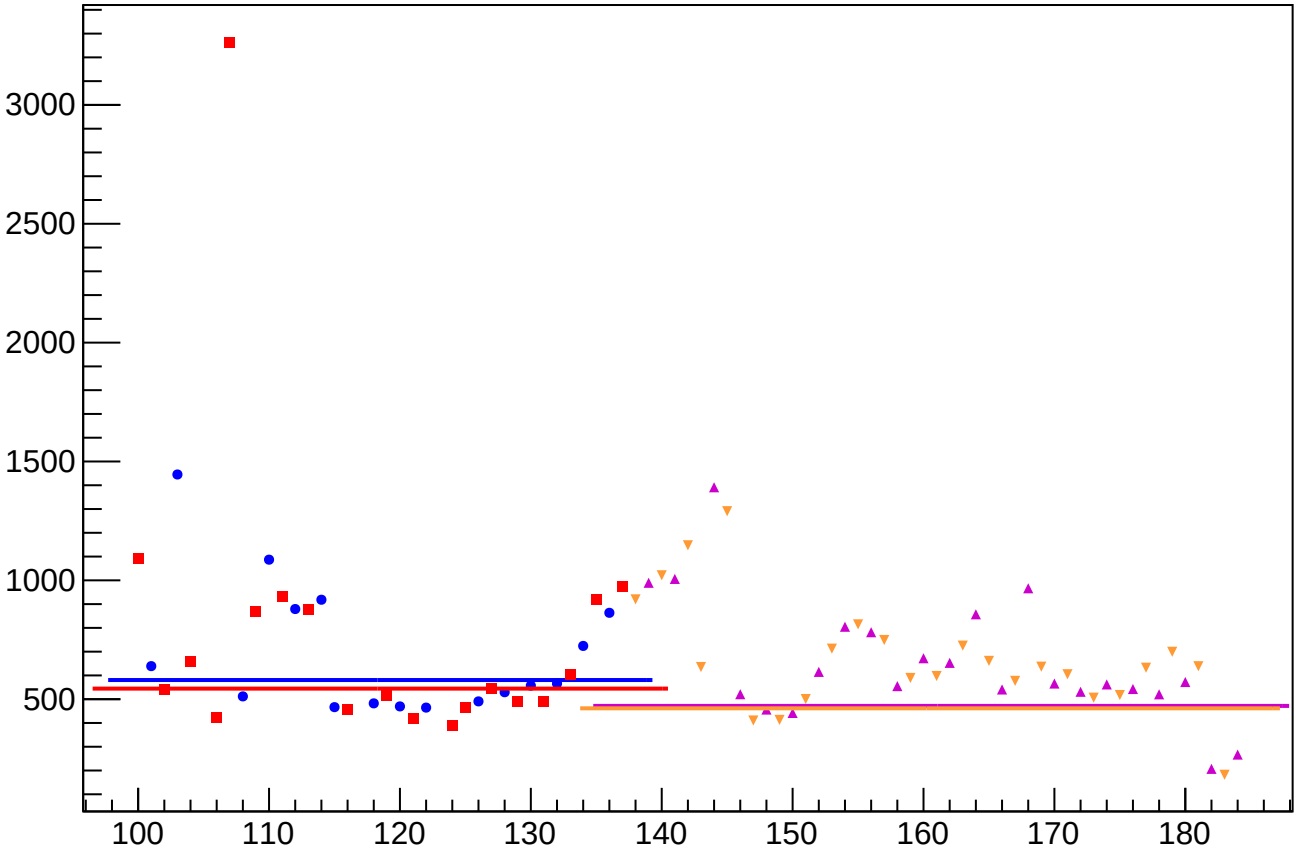
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -140.969+/-105.974 χ^2/NDF: 53.3/39

All: -43.288+/-75.429 χ^2/NDF: 86.1/81

- sign 57.011+/-107.385 χ^2/NDF: 31.1/41

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

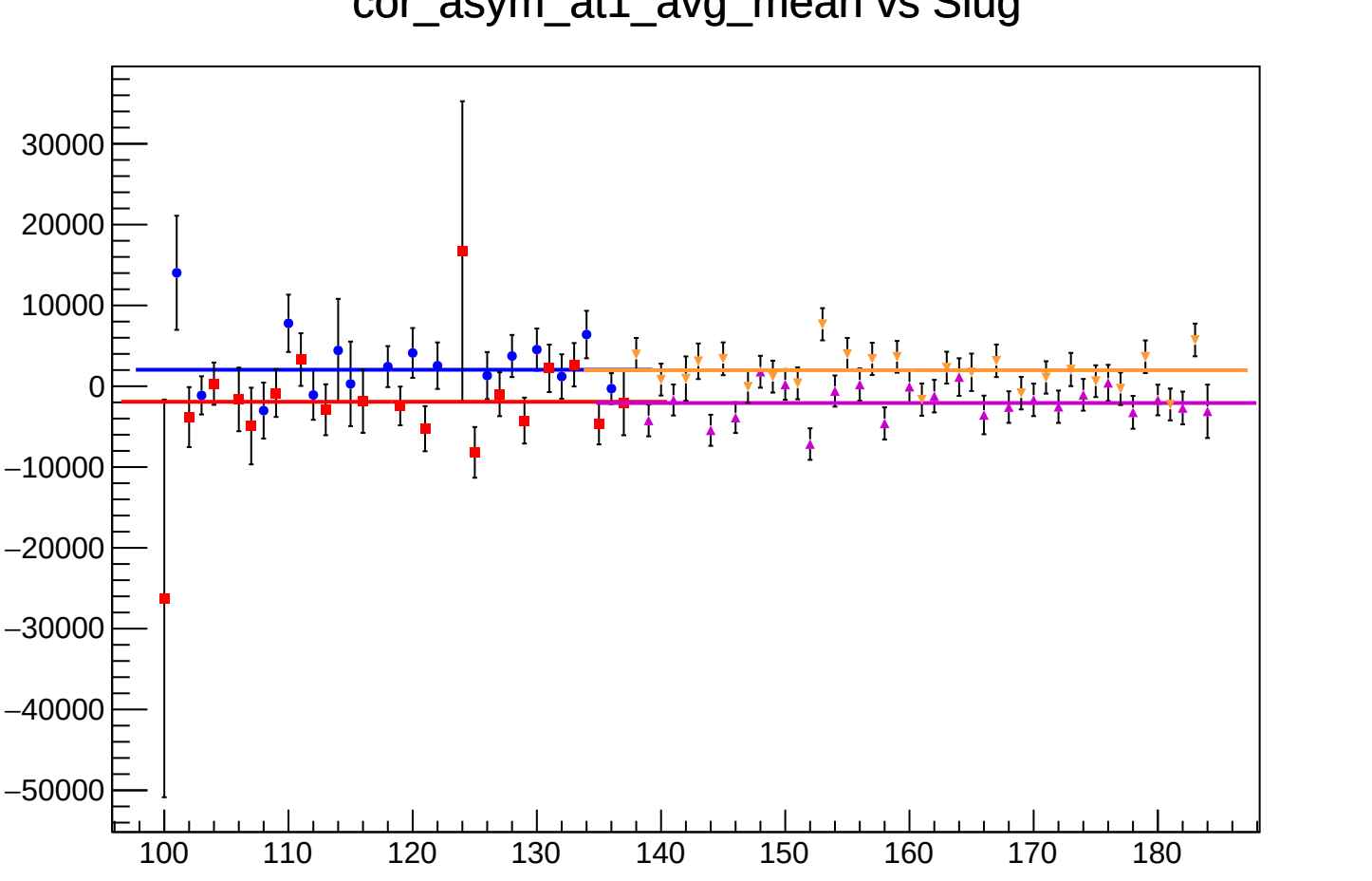
Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 486.782+/-0.075 χ^2/NDF: 8886102.6/39

All: 487.765+/-0.053 χ^2/NDF: 16752660.8/81

- sign 488.773+/-0.076 χ^2/NDF: 7866210.0/41



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

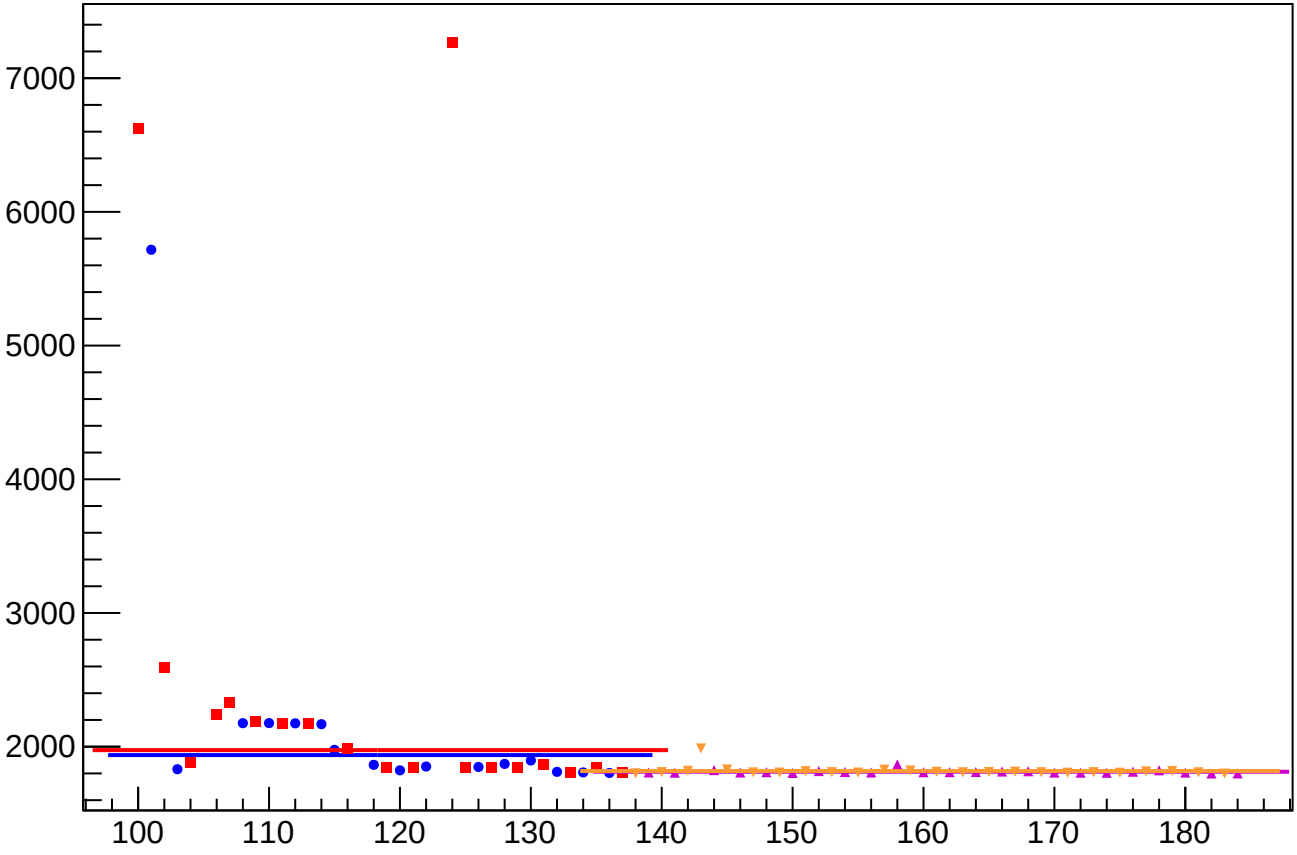
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1997.777+/-362.024 χ^2/NDF: 47.2/39

All: 7.894+/-257.749 χ^2/NDF: 153.5/81

- sign -2037.627+/-367.051 χ^2/NDF: 45.0/41

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

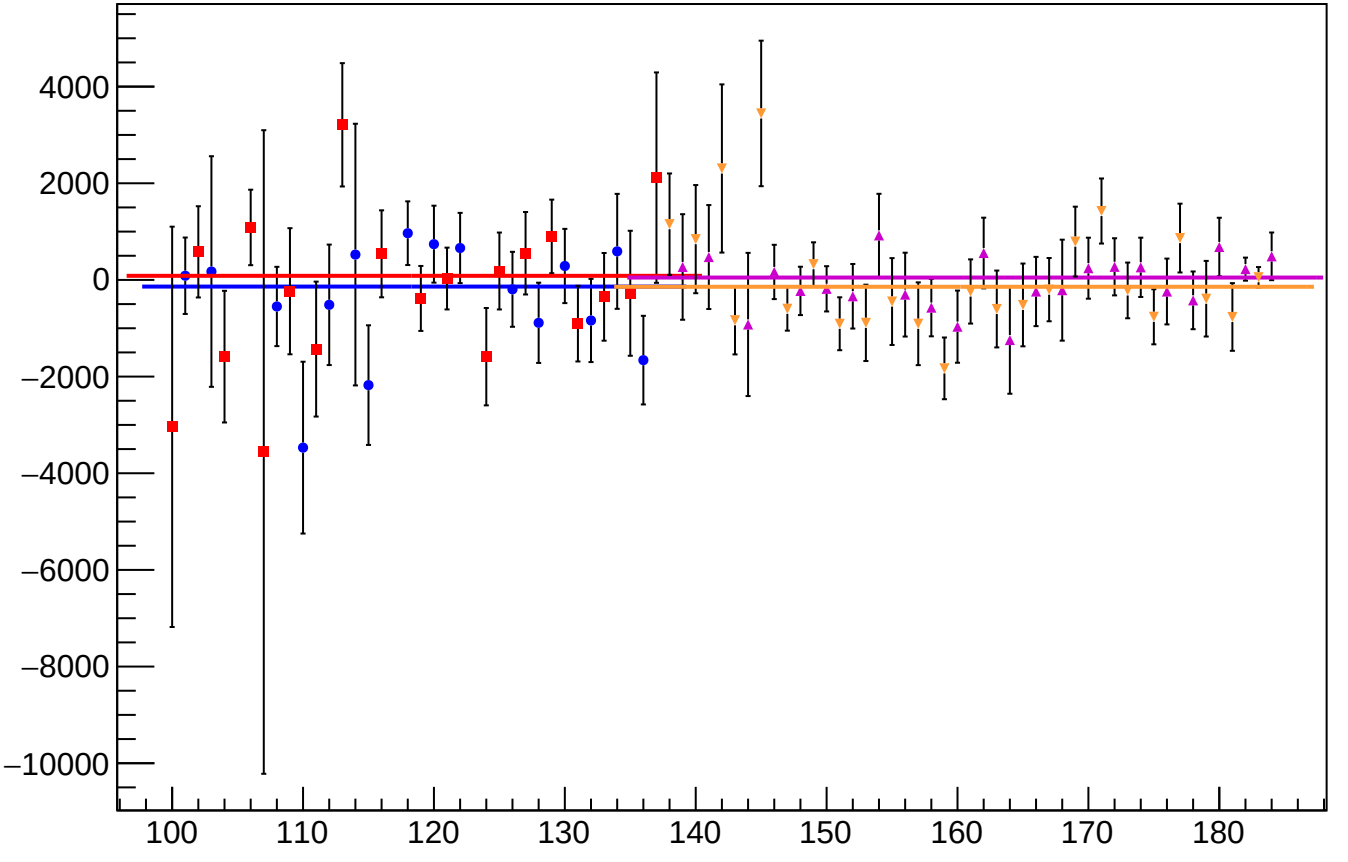
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.669+/-0.256 χ^2/NDF: 690924.9/39

All: 1849.587+/-0.182 χ^2/NDF: 1145893.0/81

- sign 1852.586+/-0.260 χ^2/NDF: 454704.7/41

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

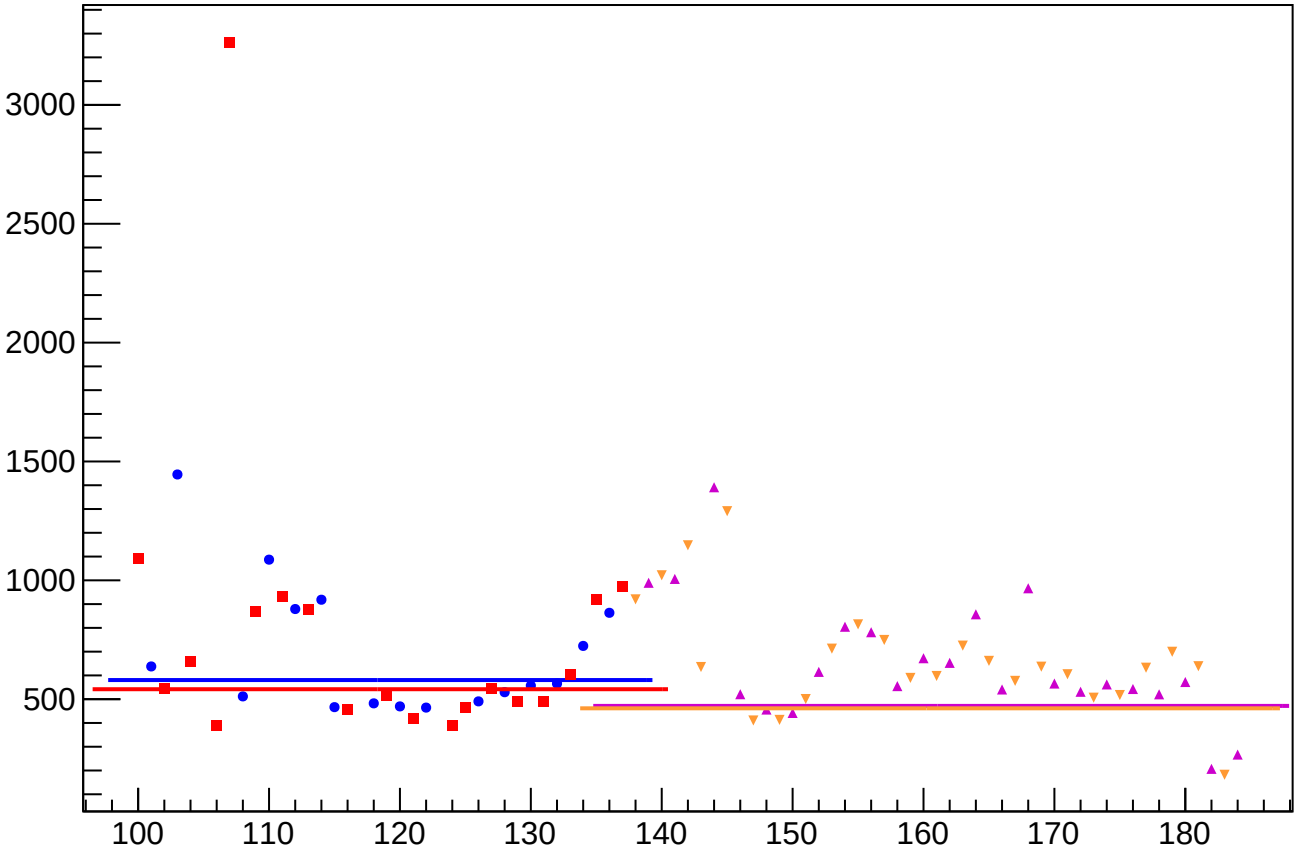
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -140.935+/-105.966 χ^2/NDF: 53.3/39

All: -42.948+/-75.421 χ^2/NDF: 85.6/81

- sign 57.655+/-107.371 χ^2/NDF: 30.6/41

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

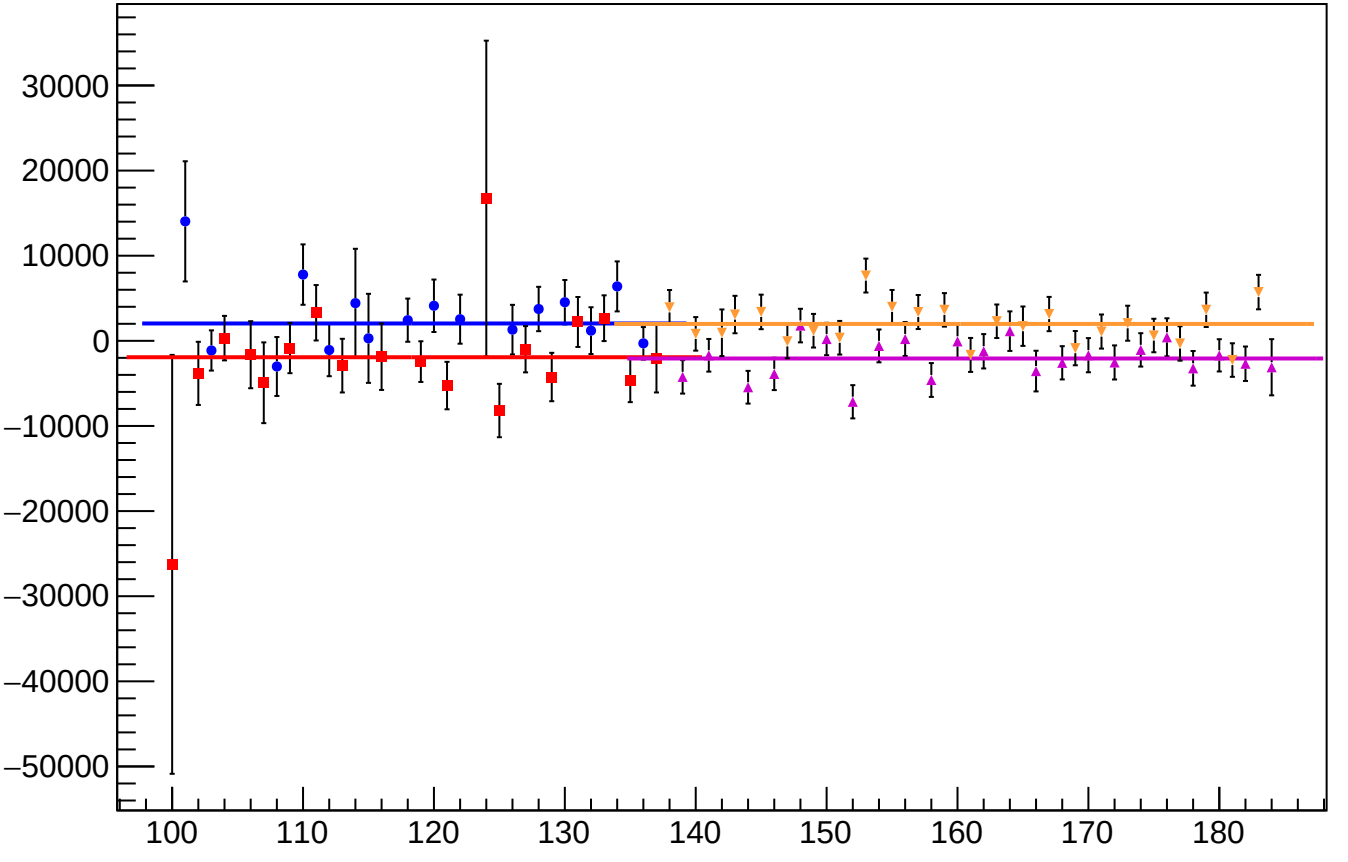
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 486.745+/-0.075 χ^2/NDF: 8886957.1/39

All: 487.459+/-0.053 χ^2/NDF: 16772914.9/81

- sign 488.192+/-0.076 χ^2/NDF: 7885773.8/41

eigen_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

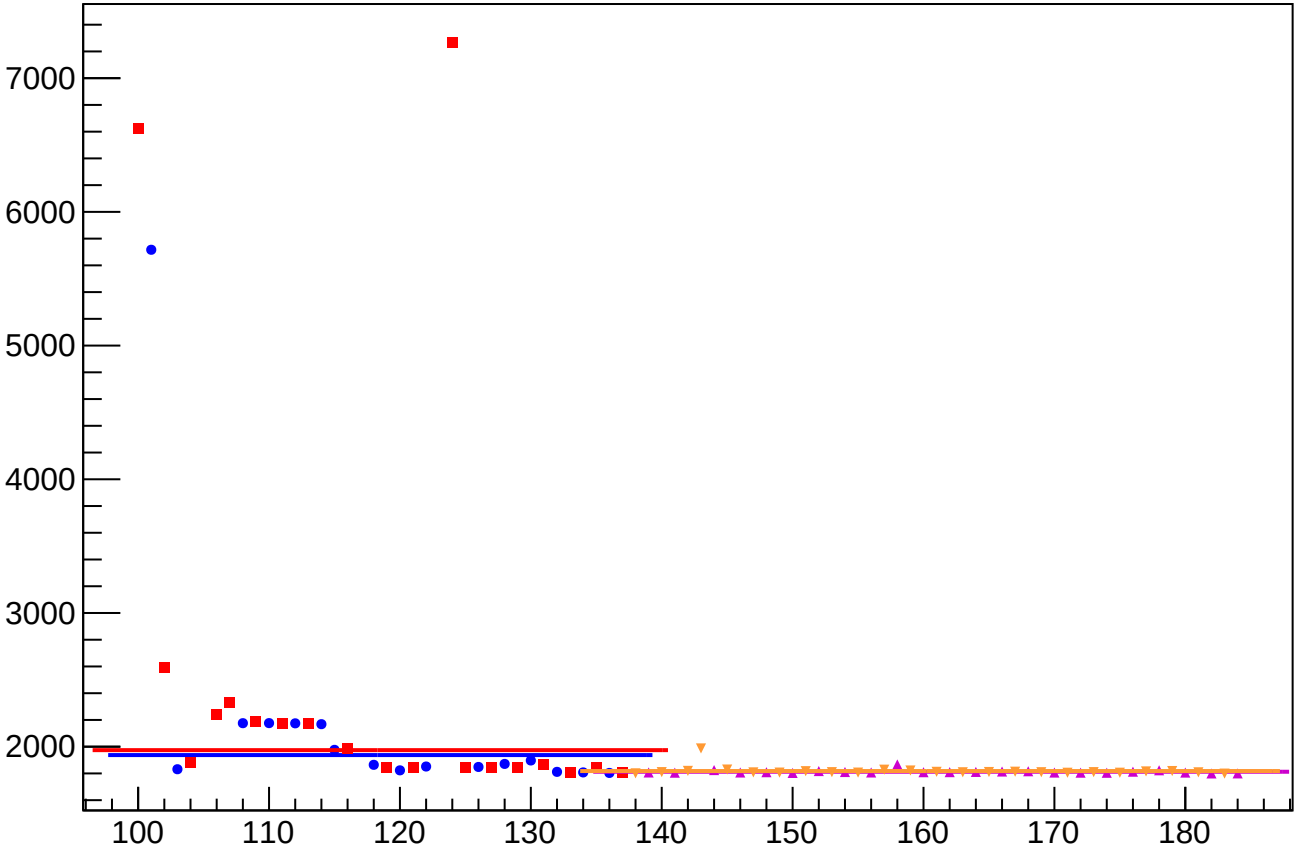
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1997.777+/-362.024 χ^2/NDF: 47.2/39

All: 7.894+/-257.749 χ^2/NDF: 153.5/81

- sign -2037.627+/-367.051 χ^2/NDF: 45.0/41

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

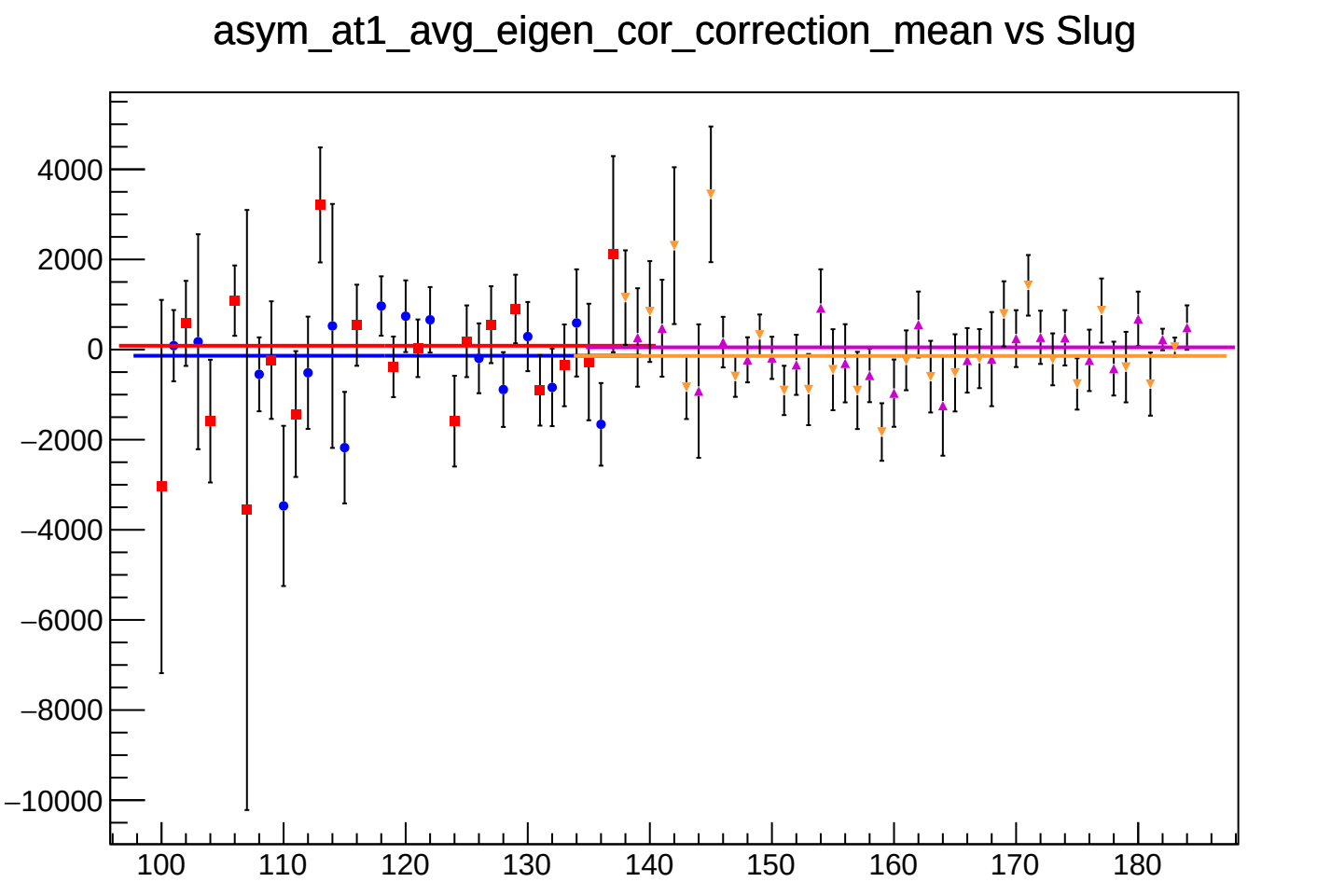
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.669+/-0.256 χ^2/NDF: 690924.9/39

All: 1849.587+/-0.182 χ^2/NDF: 1145893.0/81

- sign 1852.586+/-0.260 χ^2/NDF: 454704.7/41



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

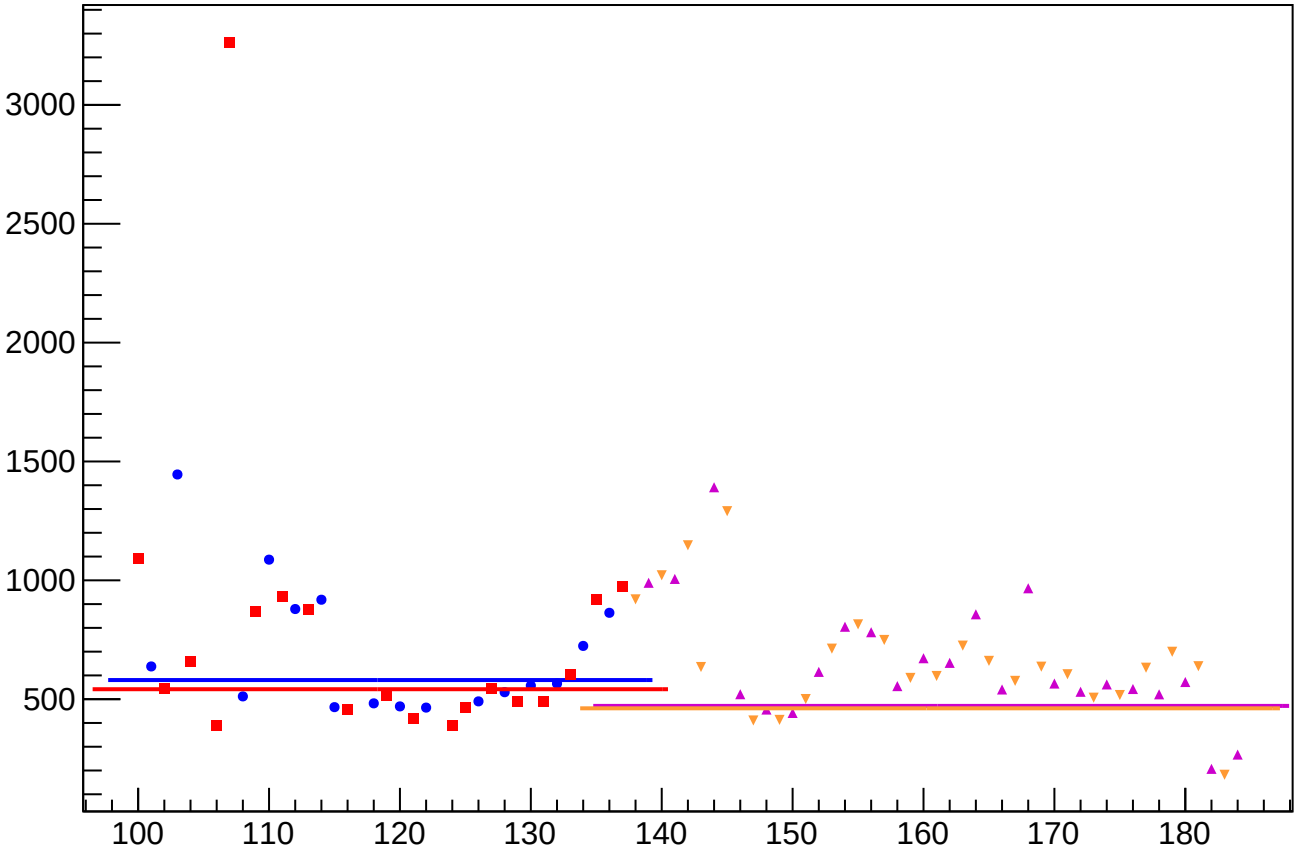
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -140.935+/-105.966 χ^2/NDF: 53.3/39

All: -42.948+/-75.421 χ^2/NDF: 85.6/81

- sign 57.655+/-107.371 χ^2/NDF: 30.6/41

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

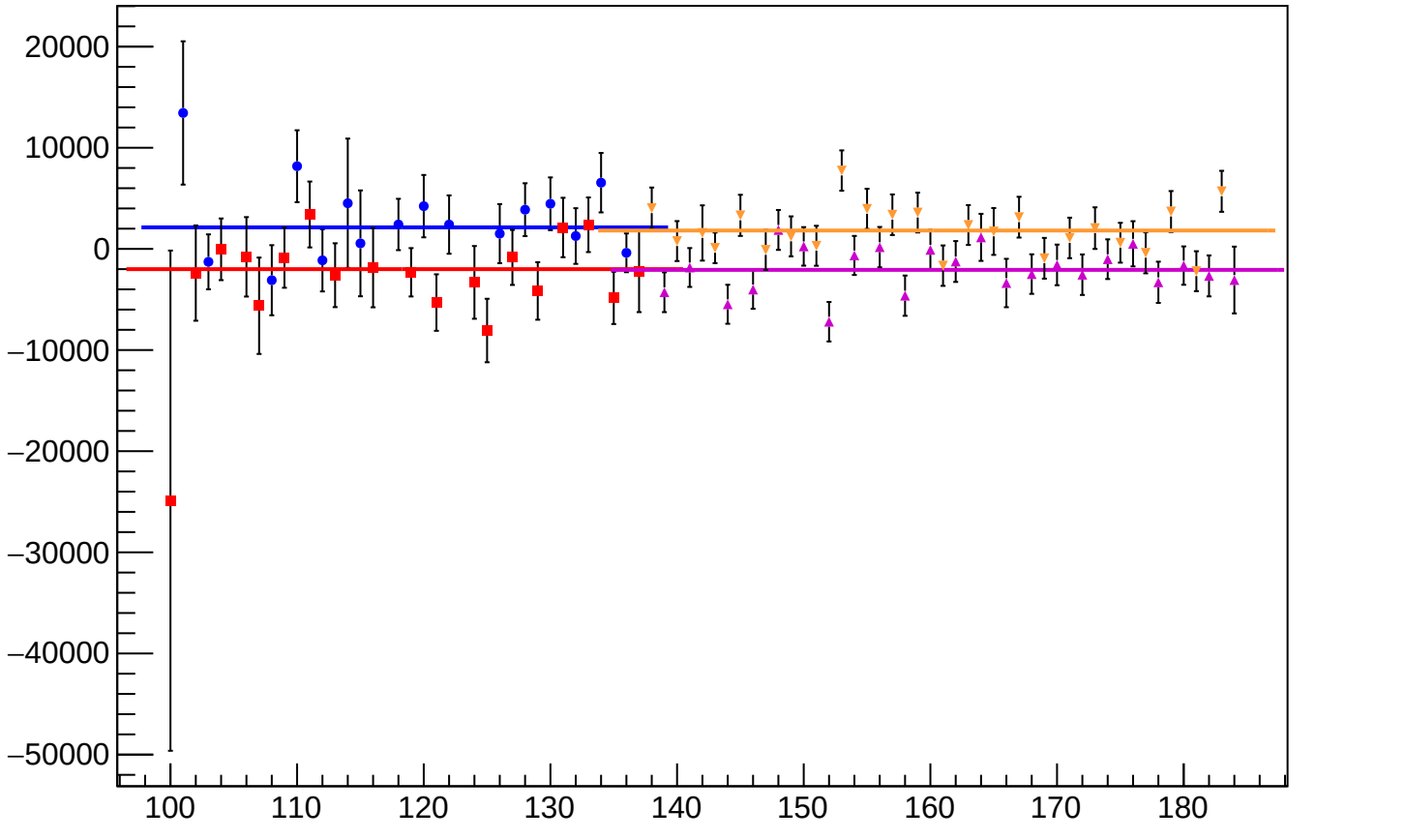
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 486.745+/-0.075 χ^2/NDF: 8886957.1/39

All: 487.459+/-0.053 χ^2/NDF: 16772914.9/81

- sign 488.192+/-0.076 χ^2/NDF: 7885773.8/41



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

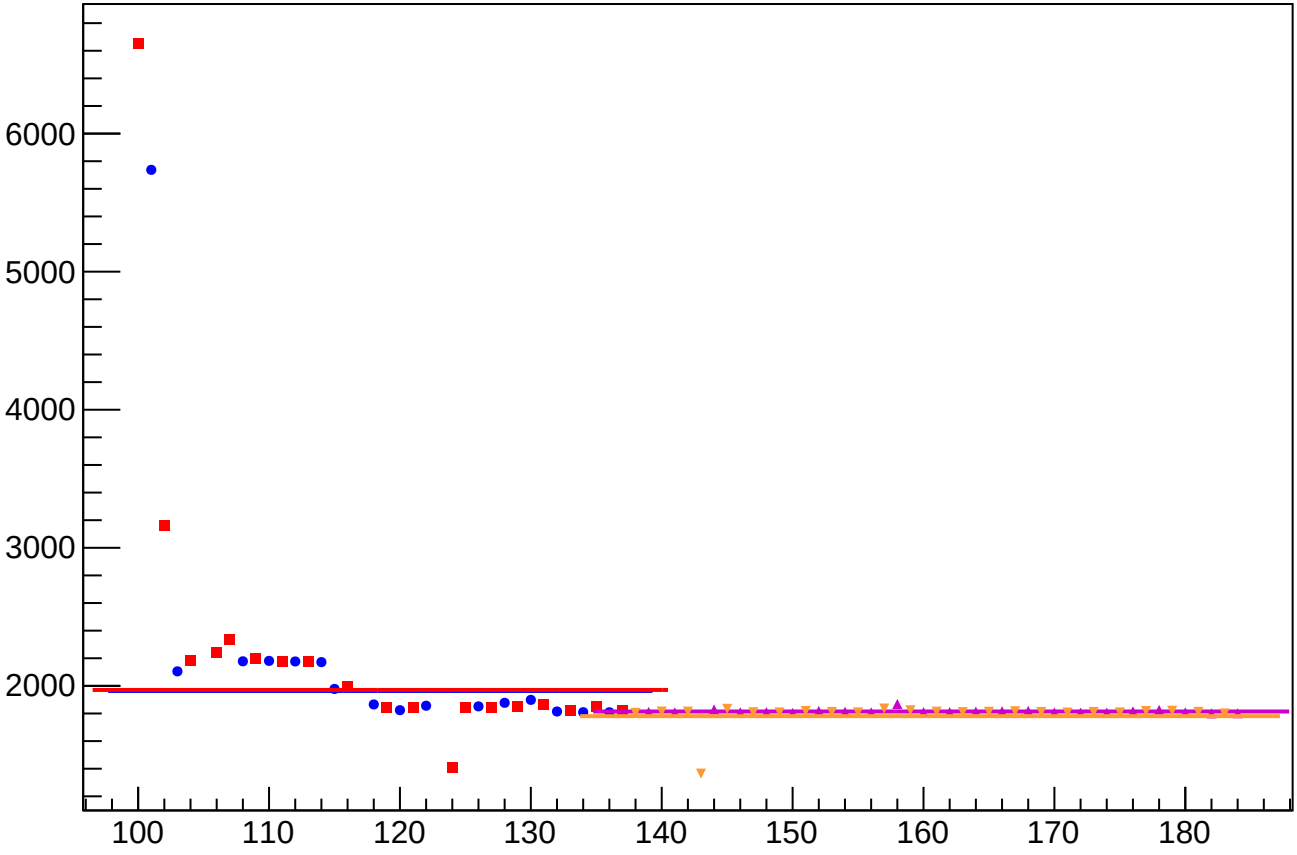
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1888.487+/-358.050 χ^2/NDF: 48.7/39

All: -33.269+/-256.392 χ^2/NDF: 151.6/81

- sign -2055.759+/-367.314 χ^2/NDF: 43.7/41

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

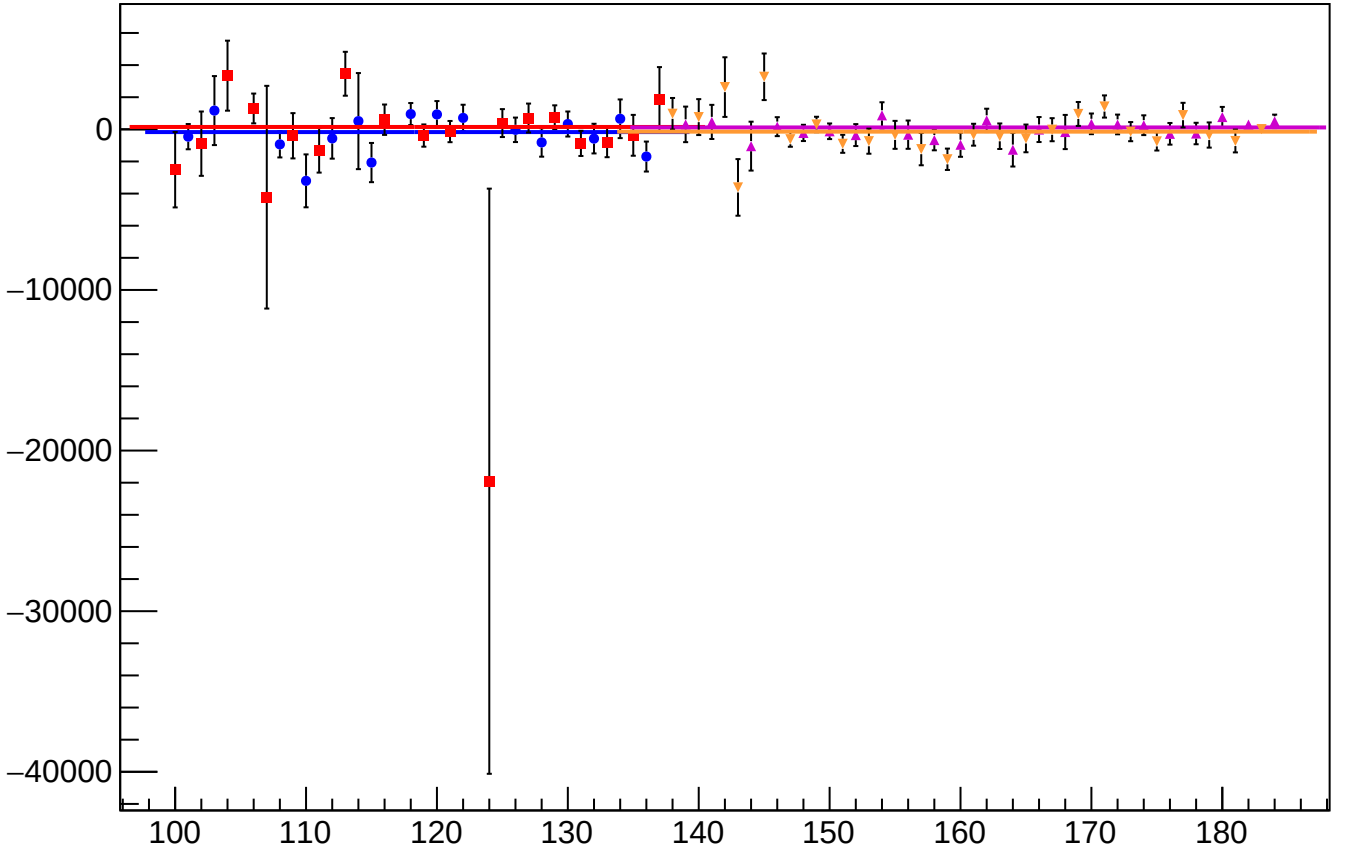
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.721+/-0.253 χ^2/NDF: 897478.6/39

All: 1837.556+/-0.181 χ^2/NDF: 1319100.9/81

- sign 1853.170+/-0.260 χ^2/NDF: 414575.0/41

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

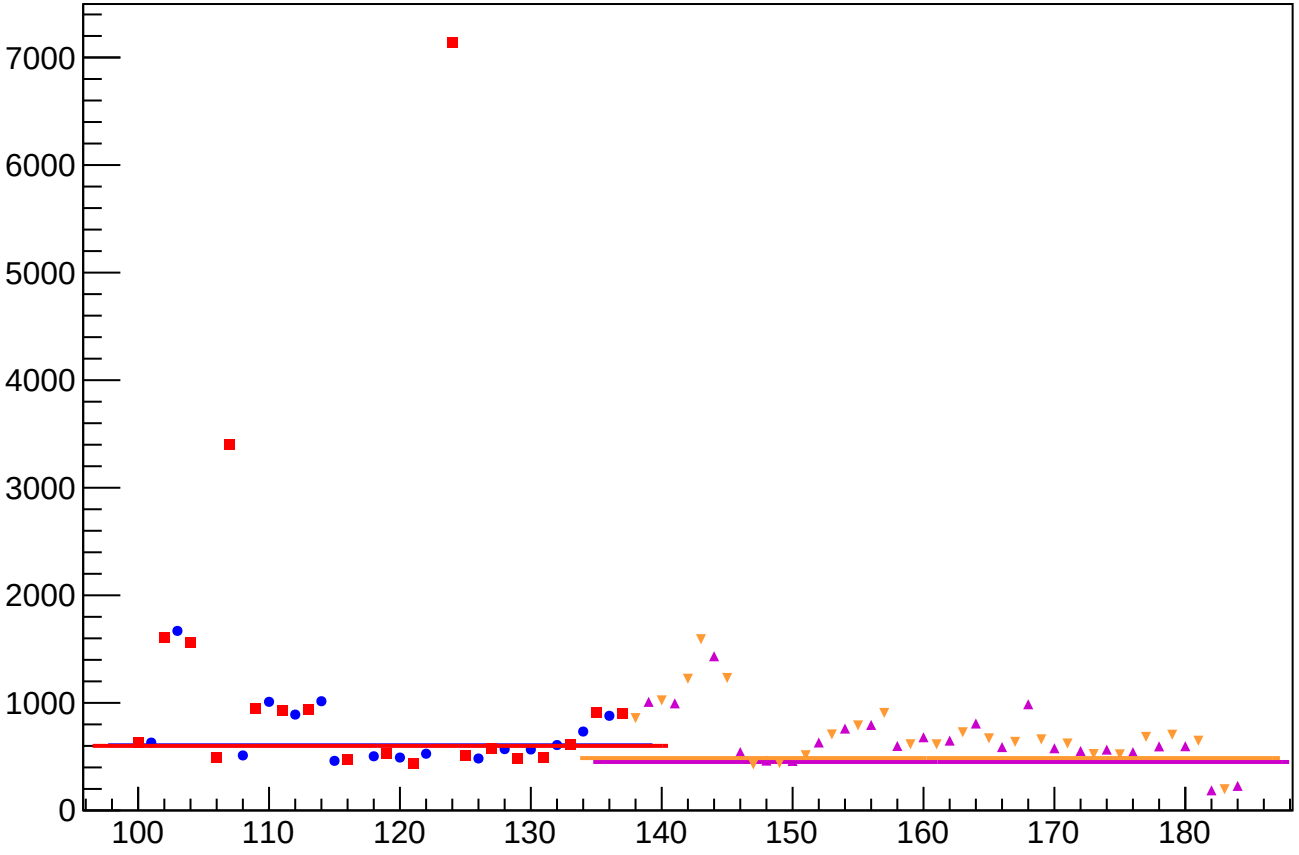
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -149.521+/-111.007 χ^2/NDF: 55.0/39

All: -8.714+/-77.194 χ^2/NDF: 90.5/81

- sign 123.135+/-107.418 χ^2/NDF: 32.4/41

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

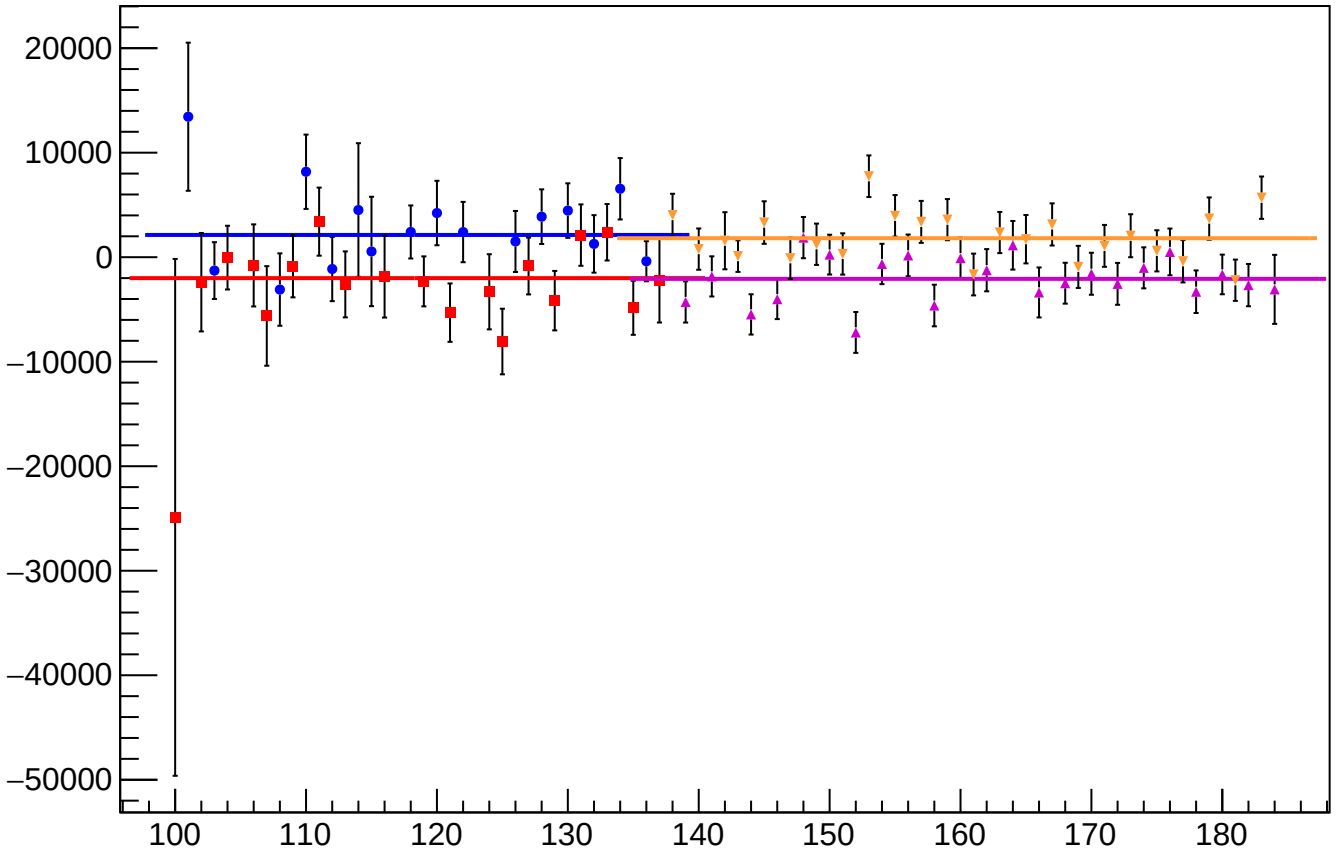
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 512.969+/-0.078 χ^2/NDF: 9202409.2/39

All: 495.922+/-0.055 χ^2/NDF: 20162662.7/81

- sign 479.960+/-0.076 χ^2/NDF: 10868924.4/41



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

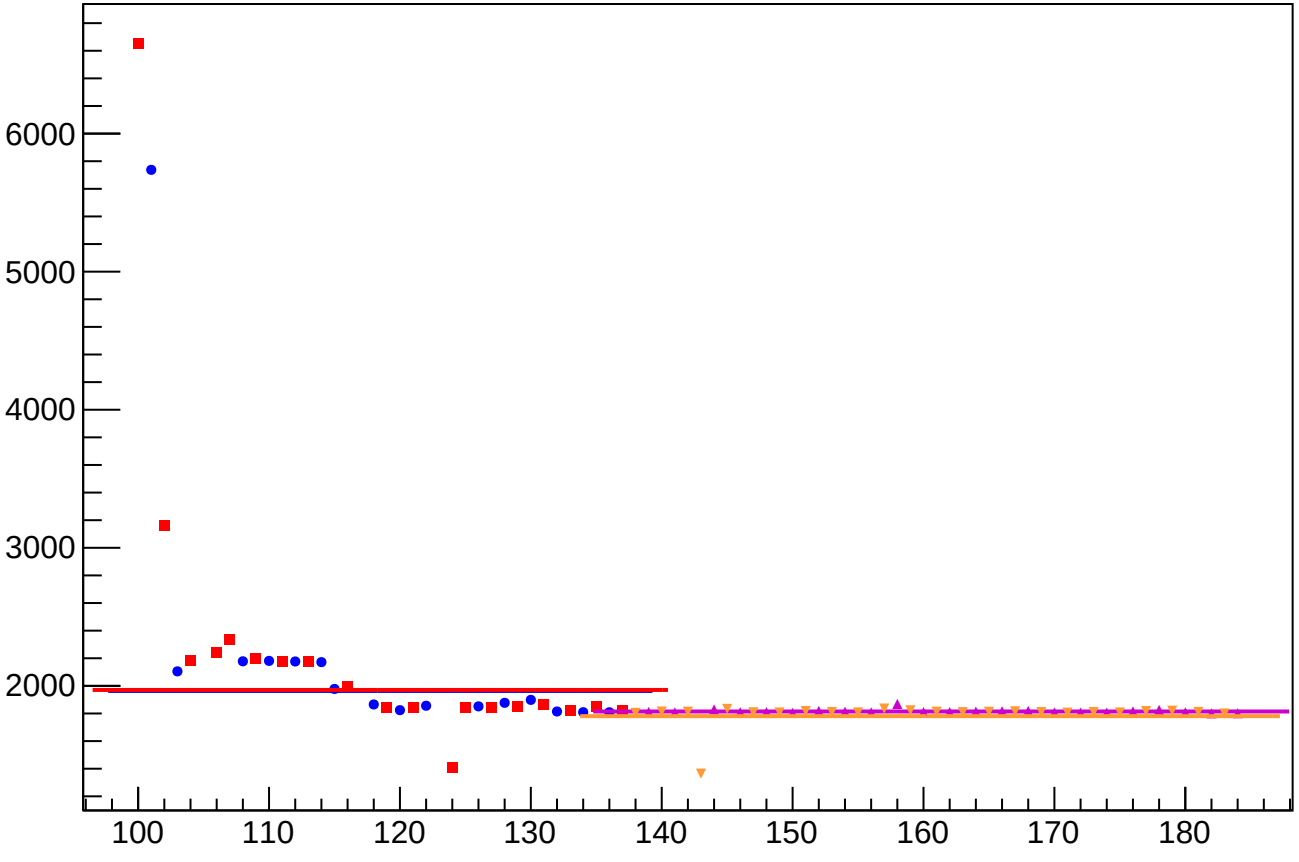
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1888.486+/-358.050 χ^2/NDF: 48.7/39

All: -33.269+/-256.392 χ^2/NDF: 151.6/81

- sign -2055.759+/-367.314 χ^2/NDF: 43.7/41

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

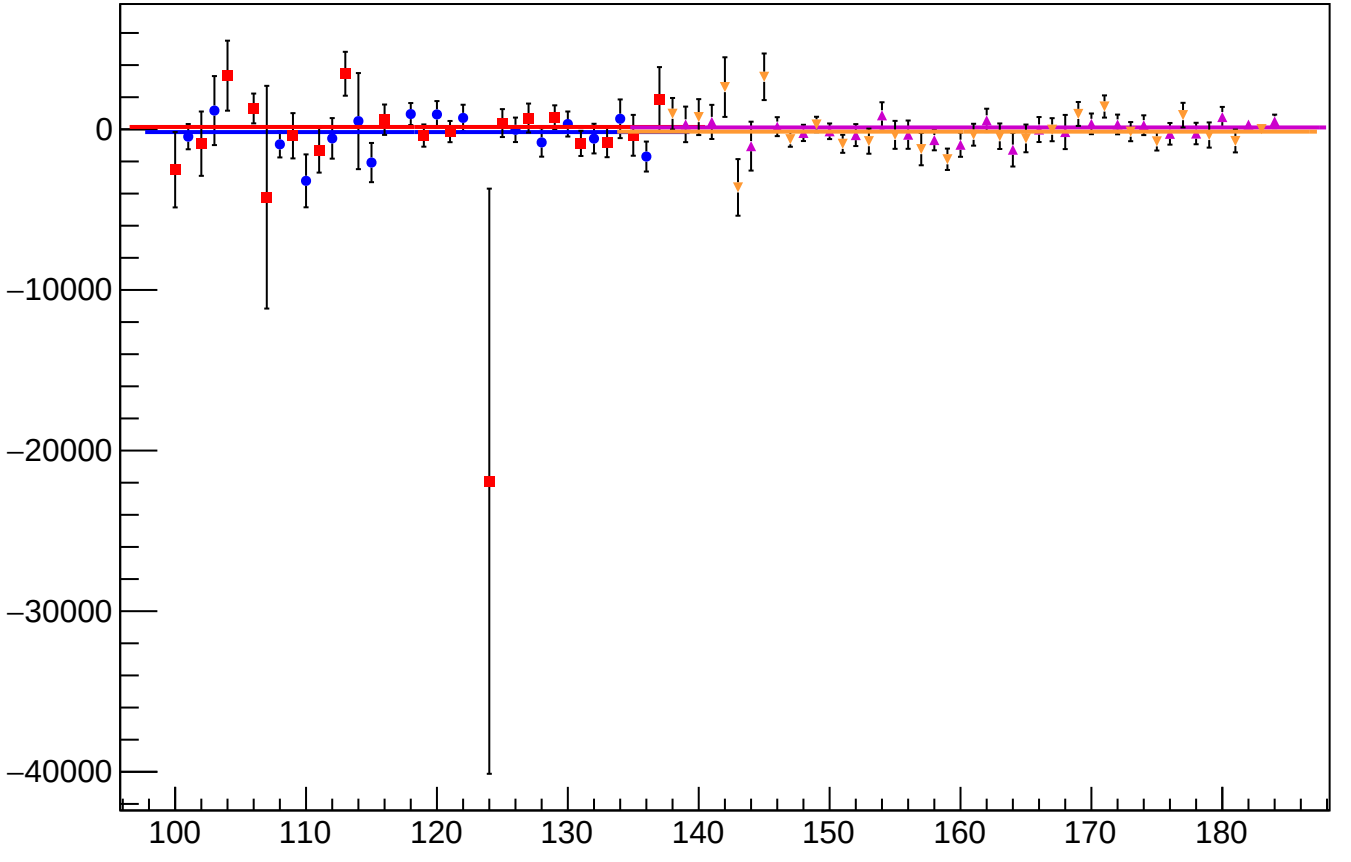
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.720+/-0.253 χ^2/NDF: 897478.0/39

All: 1837.556+/-0.181 χ^2/NDF: 1319098.8/81

- sign 1853.170+/-0.260 χ^2/NDF: 414573.5/41

asym_at1_avg_eigen_dit_correction_mean vs Slug



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

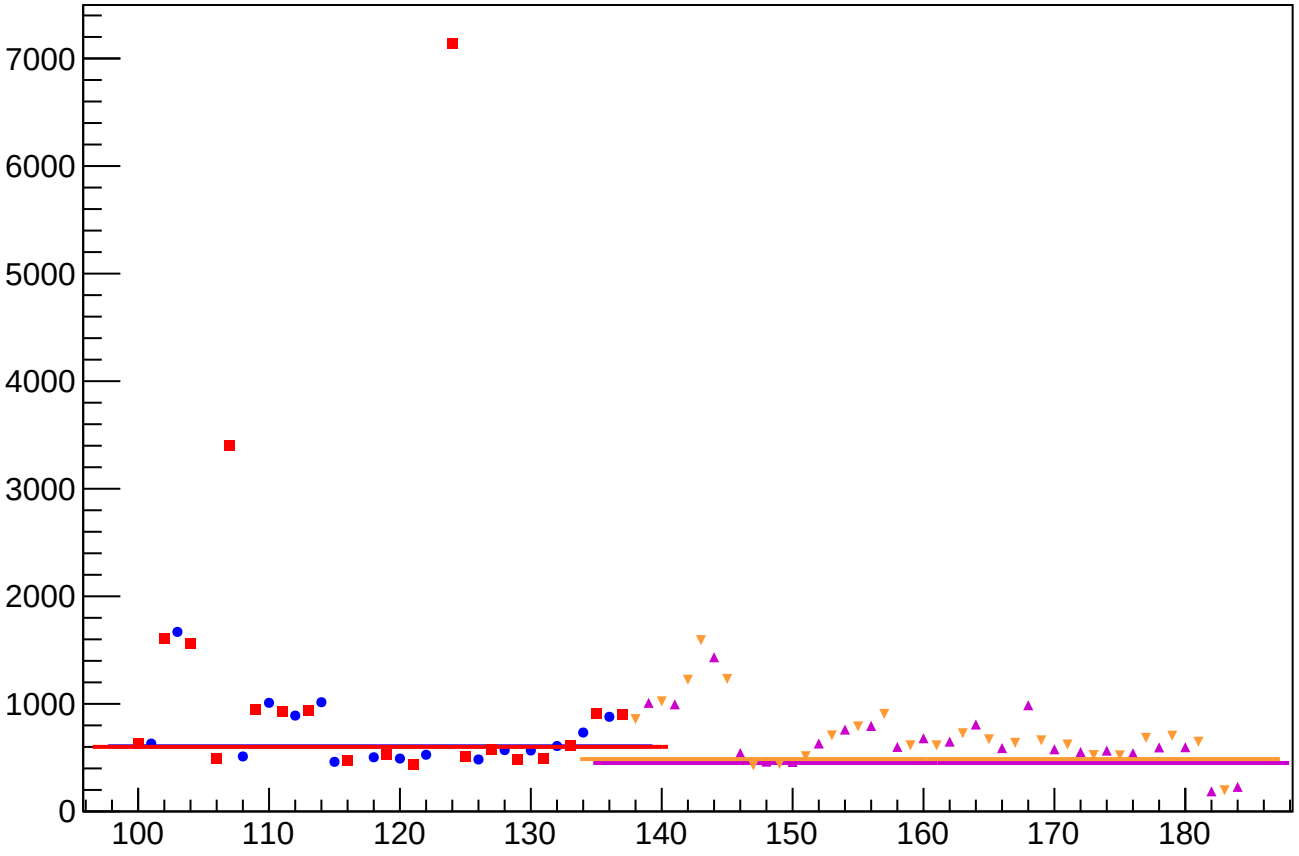
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -149.521+/-111.007 χ^2/NDF: 55.0/39

All: -8.714+/-77.194 χ^2/NDF: 90.5/81

- sign 123.135+/-107.418 χ^2/NDF: 32.4/41

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

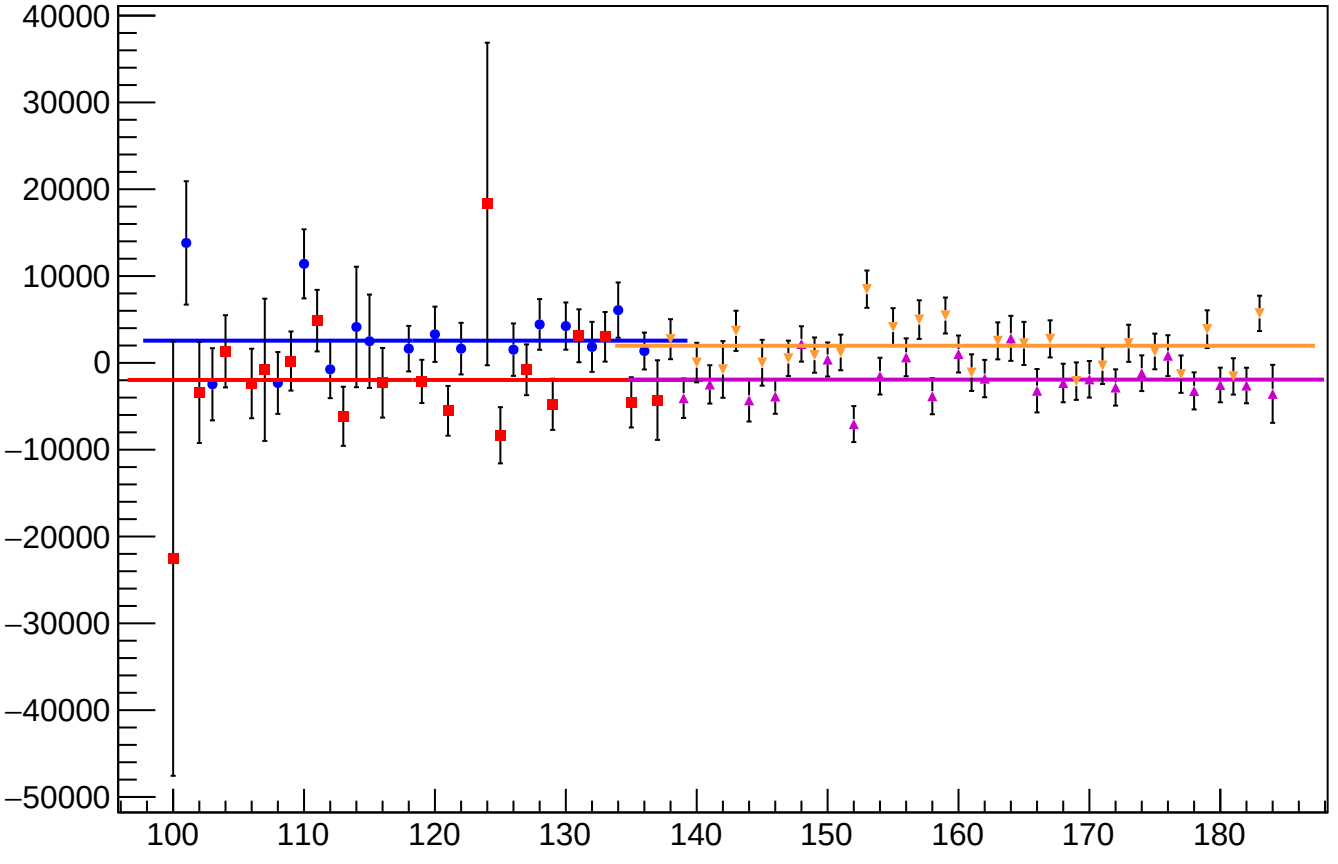
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 512.969+/-0.078 χ^2/NDF: 9202401.1/39

All: 495.923+/-0.055 χ^2/NDF: 20162633.5/81

- sign 479.960+/-0.076 χ^2/NDF: 10868904.6/41

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

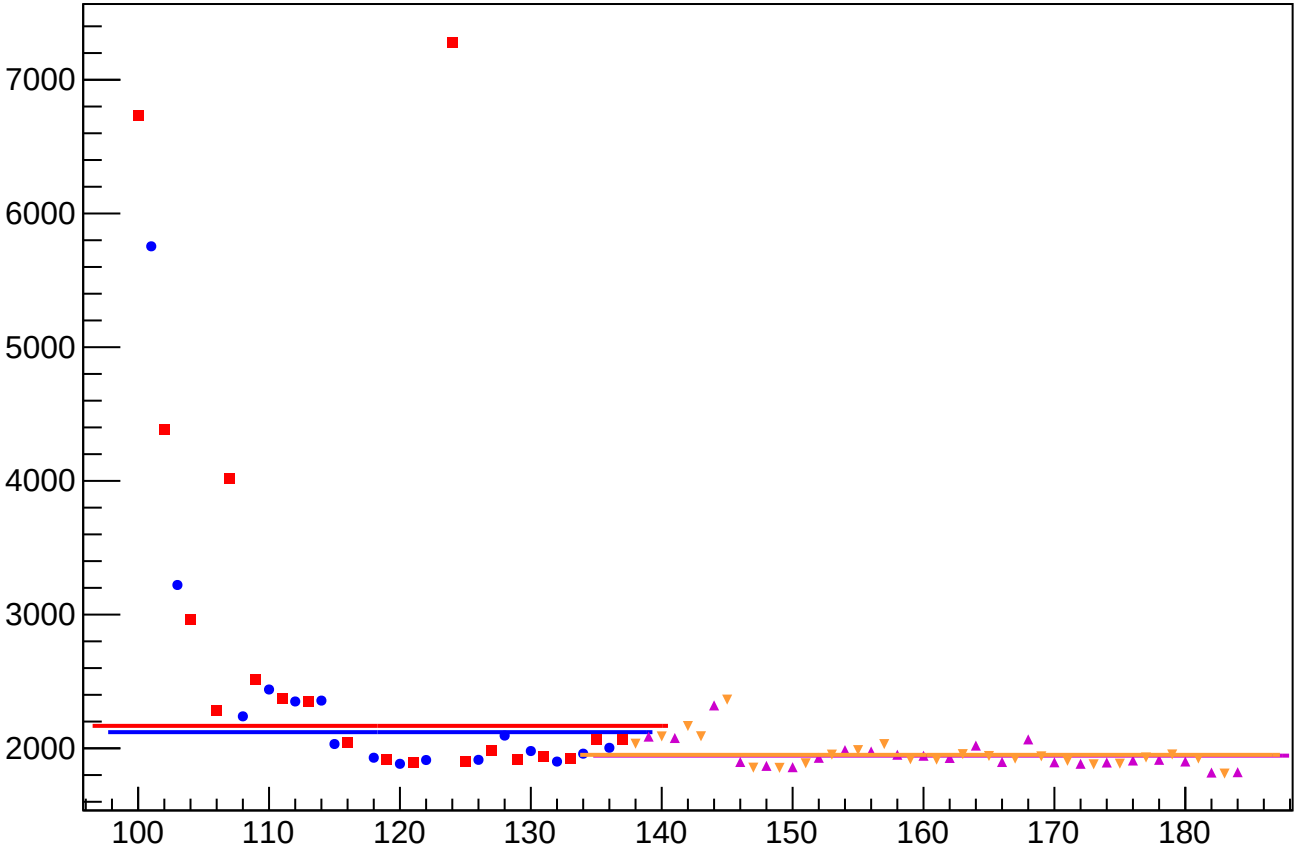
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2110.151+/-391.325 χ^2/NDF: 49.9/39

All: 119.452+/-278.915 χ^2/NDF: 148.9/81

- sign -1936.041+/-397.643 χ^2/NDF: 46.3/41

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

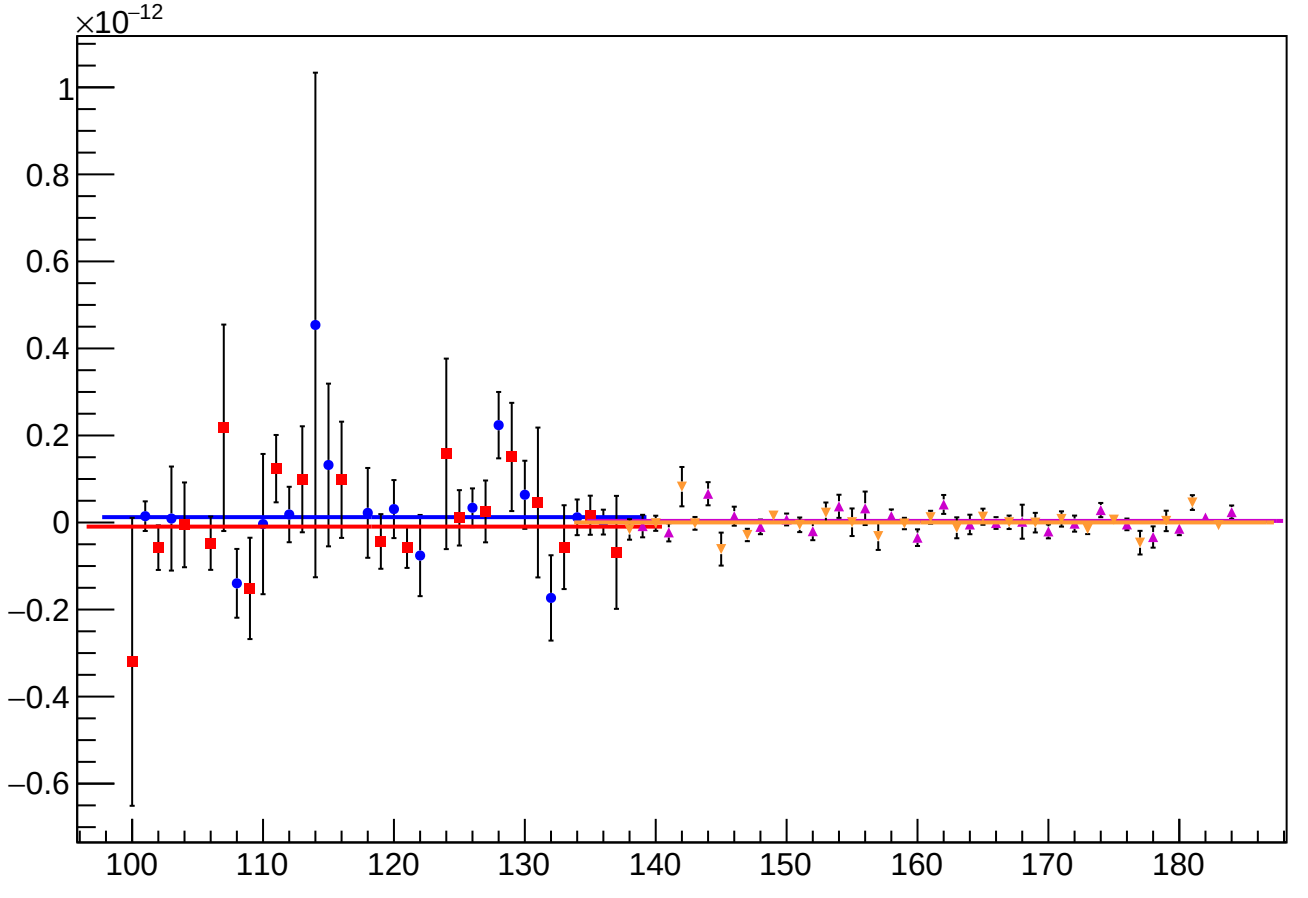
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1990.756+/-0.277 χ^2/NDF: 932877.3/39

All: 1994.149+/-0.197 χ^2/NDF: 1966120.2/81

- sign 1997.652+/-0.281 χ^2/NDF: 1032937.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/23

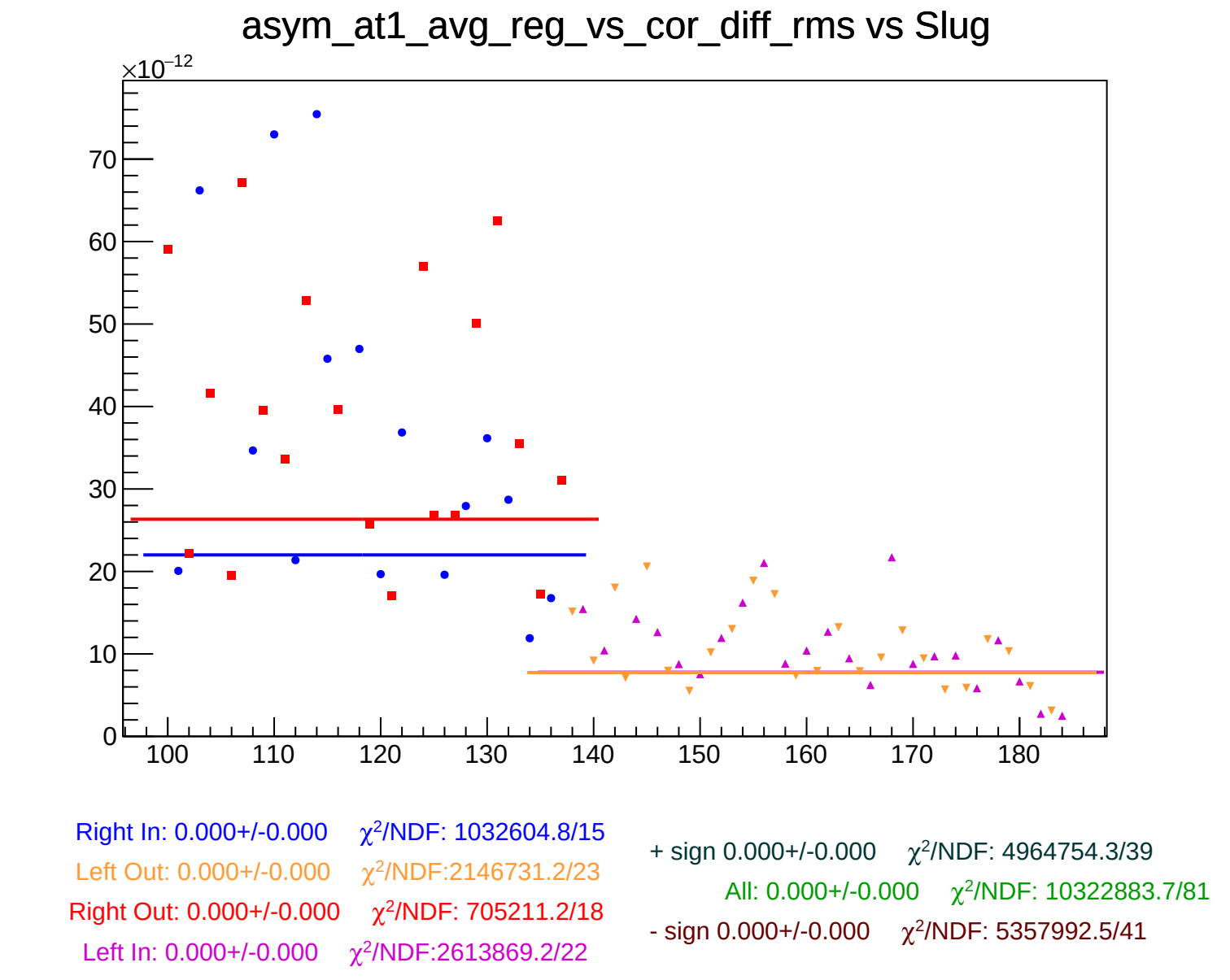
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

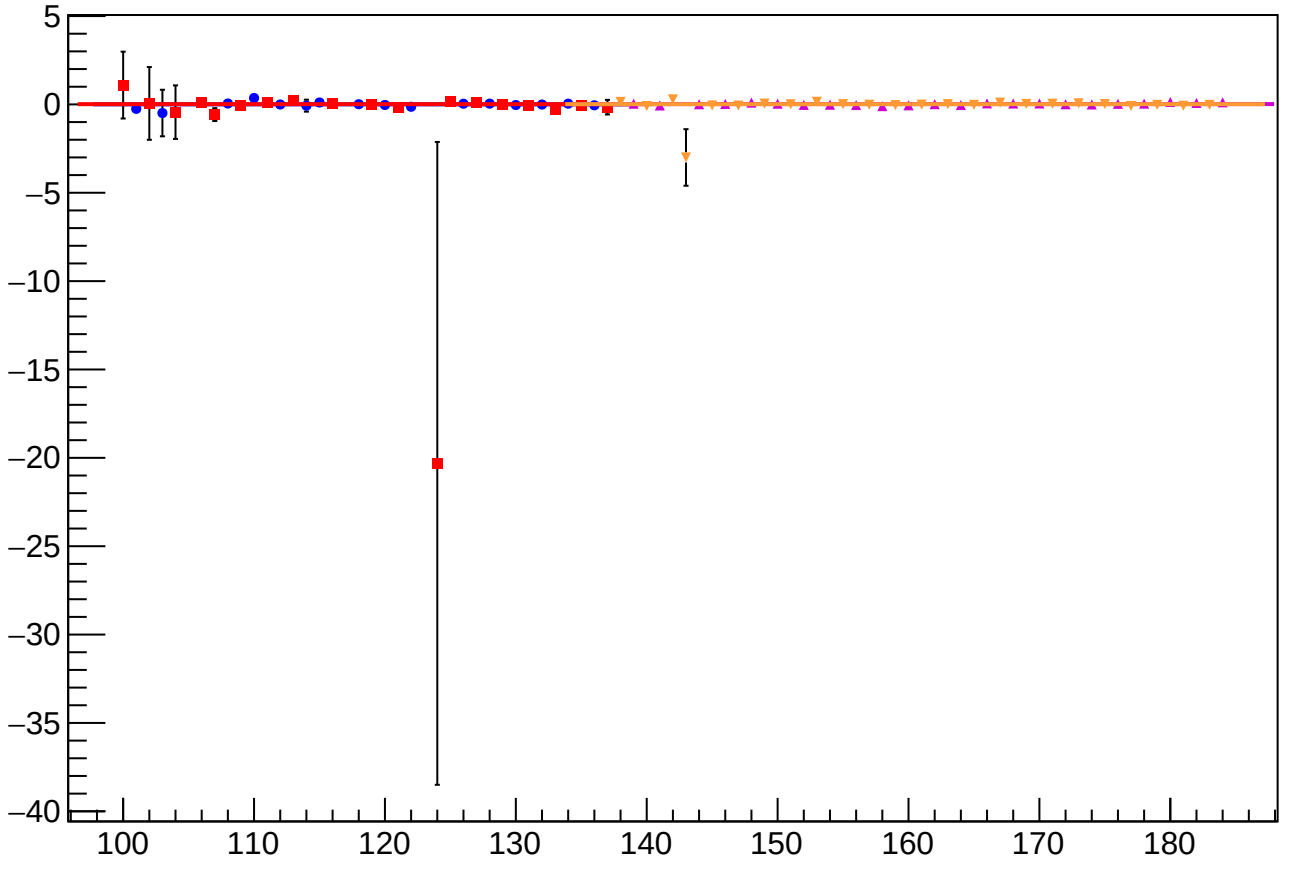
+ sign 0.000+/-0.000 χ^2/NDF: 47.1/39

All: 0.000+/-0.000 χ^2/NDF: 92.7/81

- sign 0.000+/-0.000 χ^2/NDF: 45.4/41


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:2613869.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4964754.3/39
All: 0.000+/-0.000 χ²/NDF: 10322883.7/81
- sign 0.000+/-0.000 χ²/NDF: 5357992.5/41

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

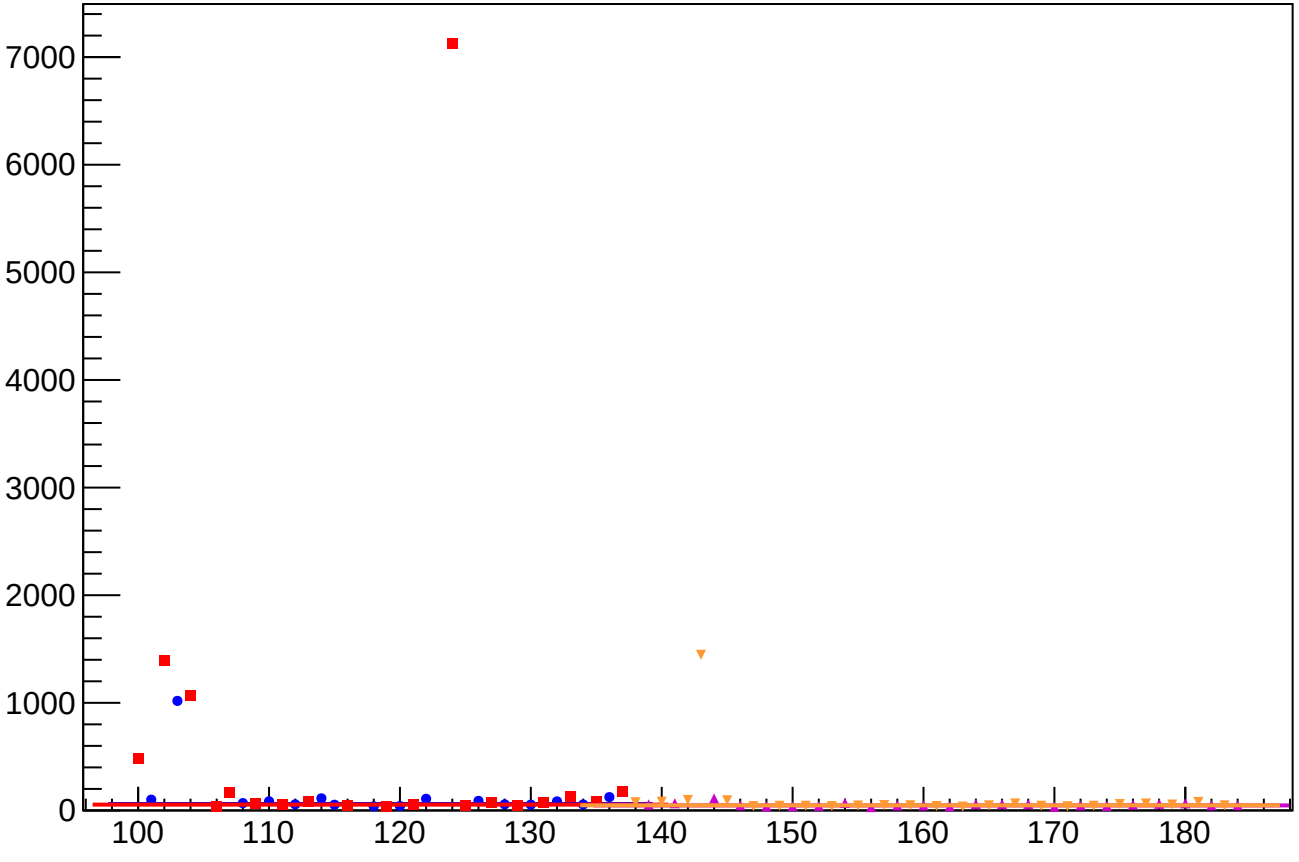
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 40.3/39

All: 0.014+/-0.008 χ^2/NDF: 78.4/81

- sign 0.017+/-0.011 χ^2/NDF: 37.9/41

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

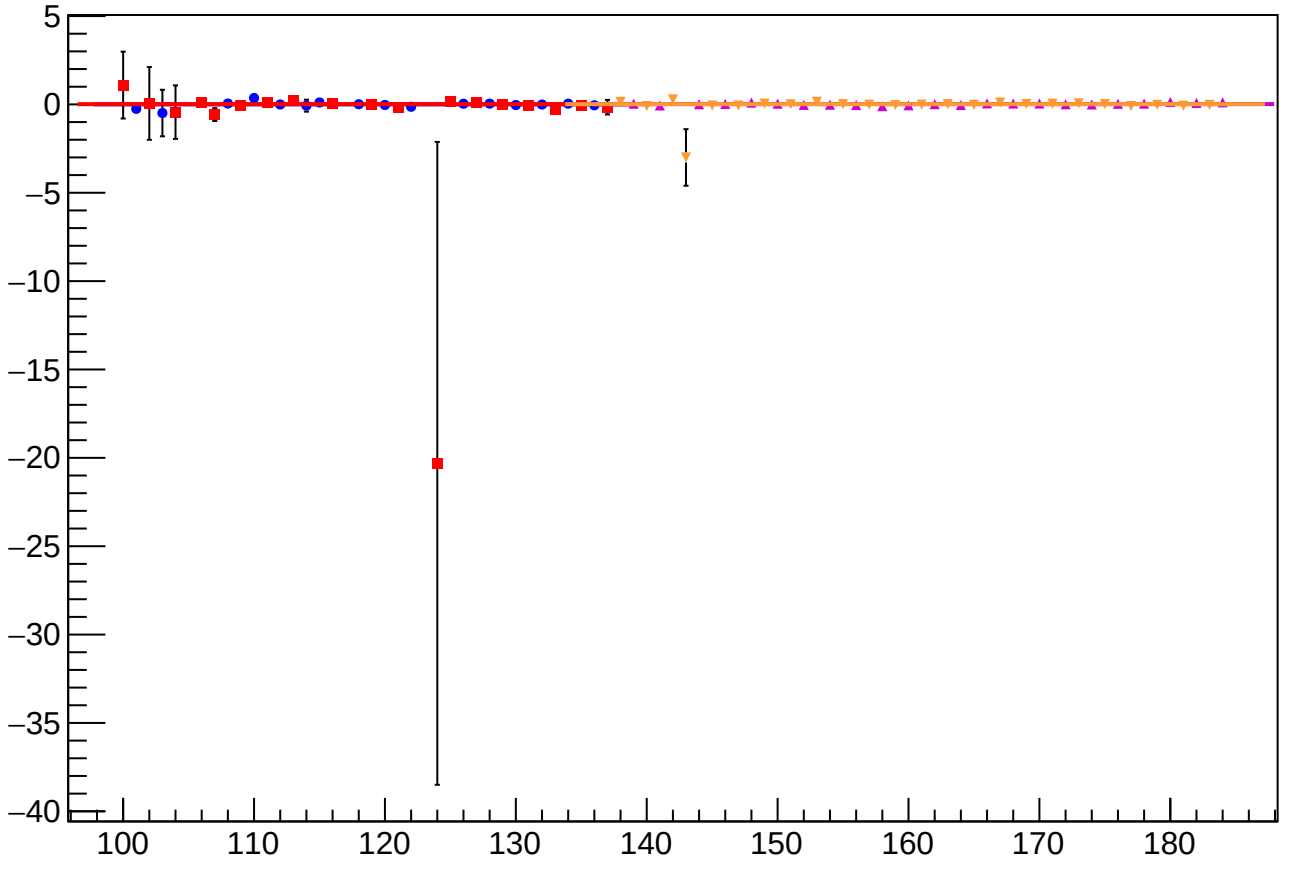
Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 49.888+/-0.008 χ^2/NDF: 6307525.1/39

All: 49.005+/-0.006 χ^2/NDF: 11938914.2/81

- sign 48.159+/-0.008 χ^2/NDF: 5607504.5/41

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

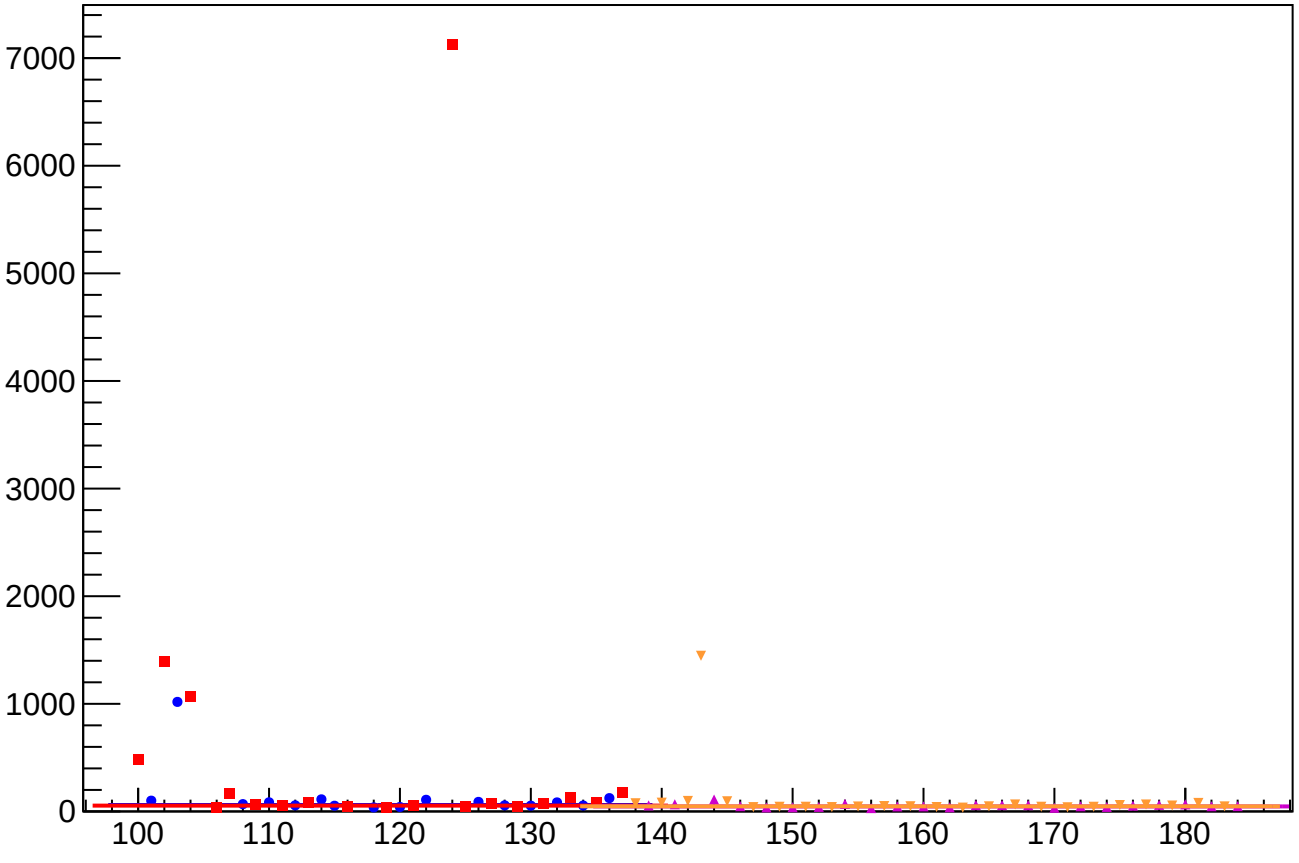
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 40.3/39

All: 0.014+/-0.008 χ^2/NDF: 78.4/81

- sign 0.017+/-0.011 χ^2/NDF: 37.9/41

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

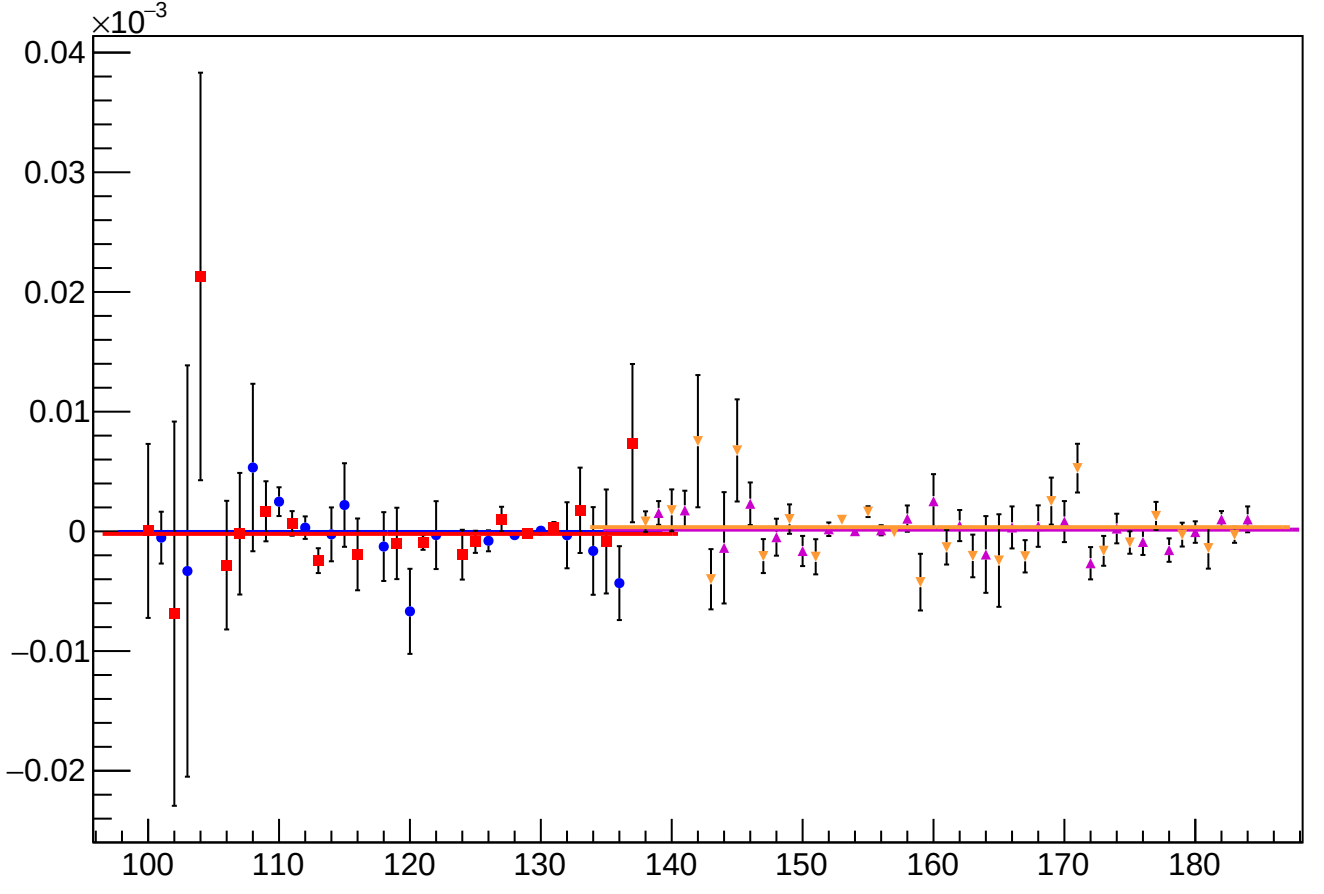
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 49.888+/-0.008 χ^2/NDF: 6307525.1/39

All: 49.005+/-0.006 χ^2/NDF: 11938914.2/81

- sign 48.159+/-0.008 χ^2/NDF: 5607504.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.9/23

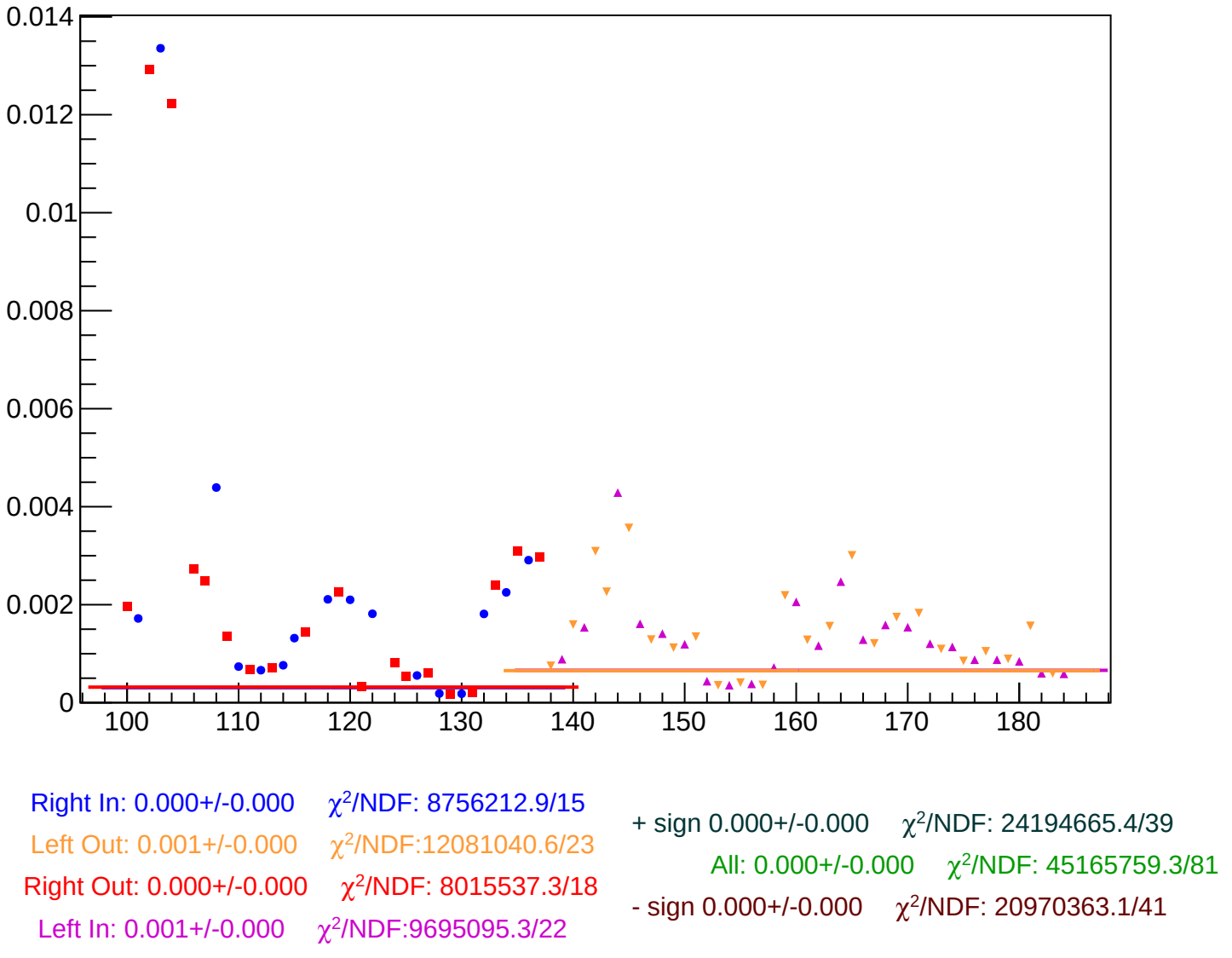
Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

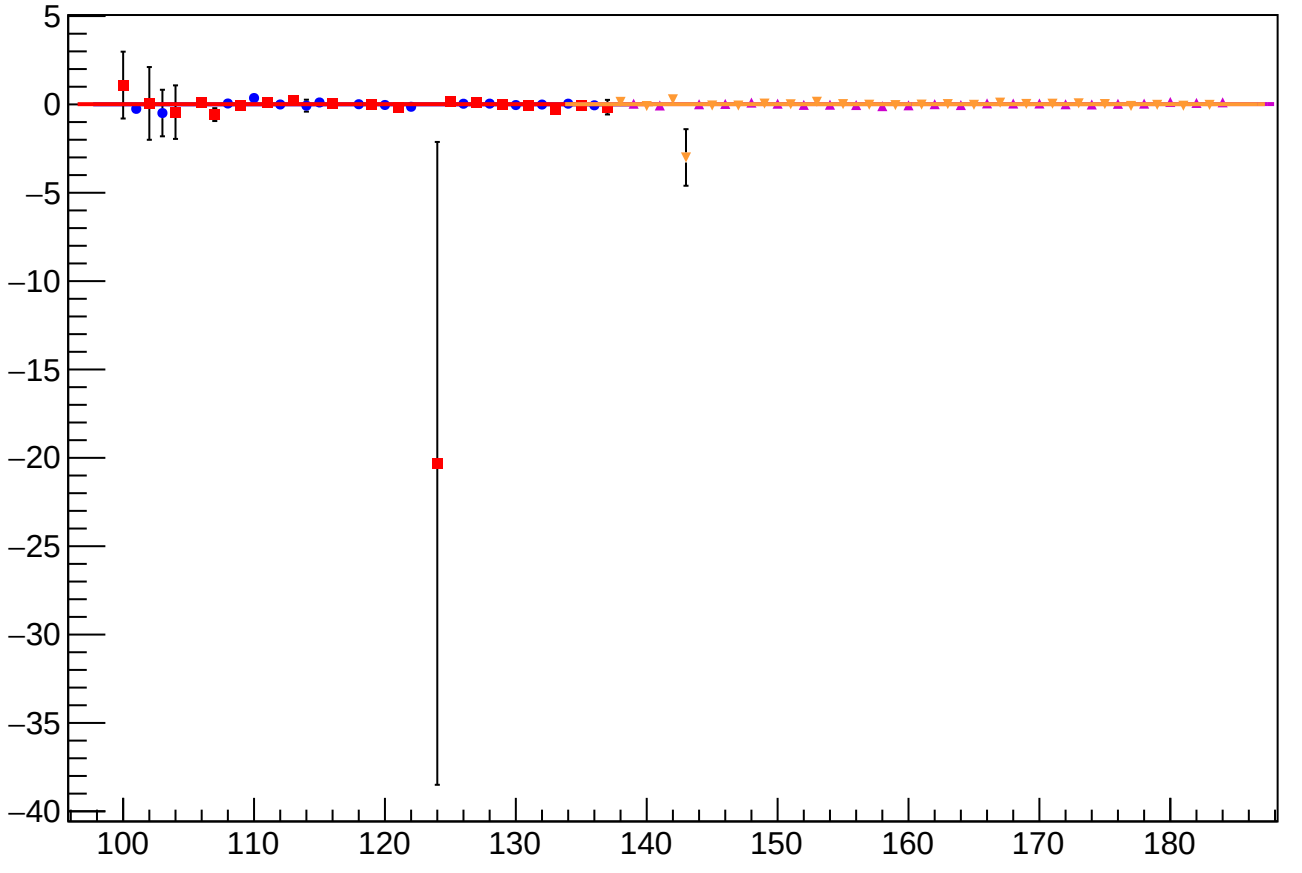
+ sign 0.000+/-0.000 χ^2/NDF: 66.0/39

All: 0.000+/-0.000 χ^2/NDF: 104.2/81

- sign -0.000+/-0.000 χ^2/NDF: 37.2/41


asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 0.000+/-0.000 χ²/NDF: 8756212.9/15
Left Out: 0.001+/-0.000 χ²/NDF:12081040.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 8015537.3/18
Left In: 0.001+/-0.000 χ²/NDF:9695095.3/22
+ sign 0.000+/-0.000 χ²/NDF: 24194665.4/39
All: 0.000+/-0.000 χ²/NDF: 45165759.3/81
- sign 0.000+/-0.000 χ²/NDF: 20970363.1/41

asym_at1_avg_eigen_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

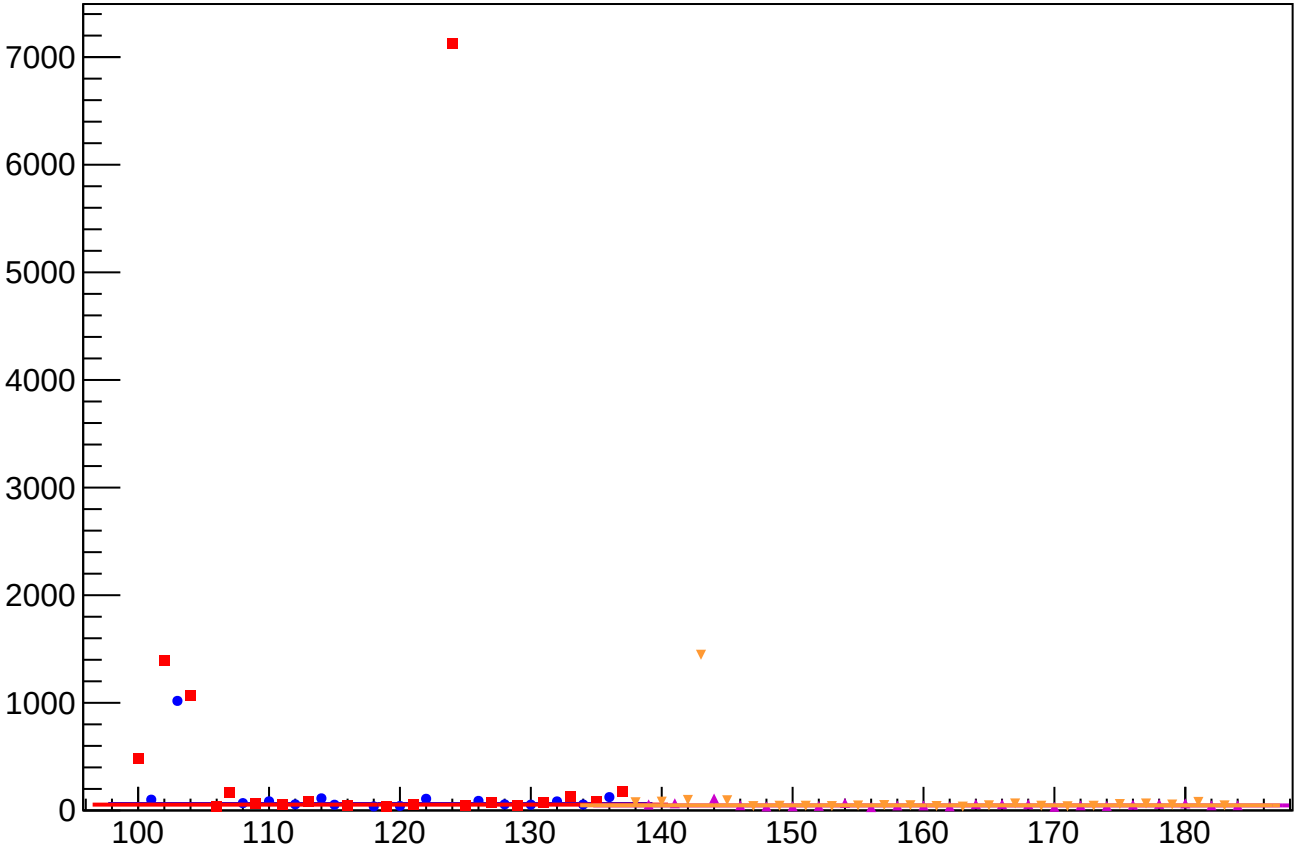
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 40.3/39

All: 0.014+/-0.008 χ^2/NDF: 78.4/81

- sign 0.017+/-0.011 χ^2/NDF: 37.9/41

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

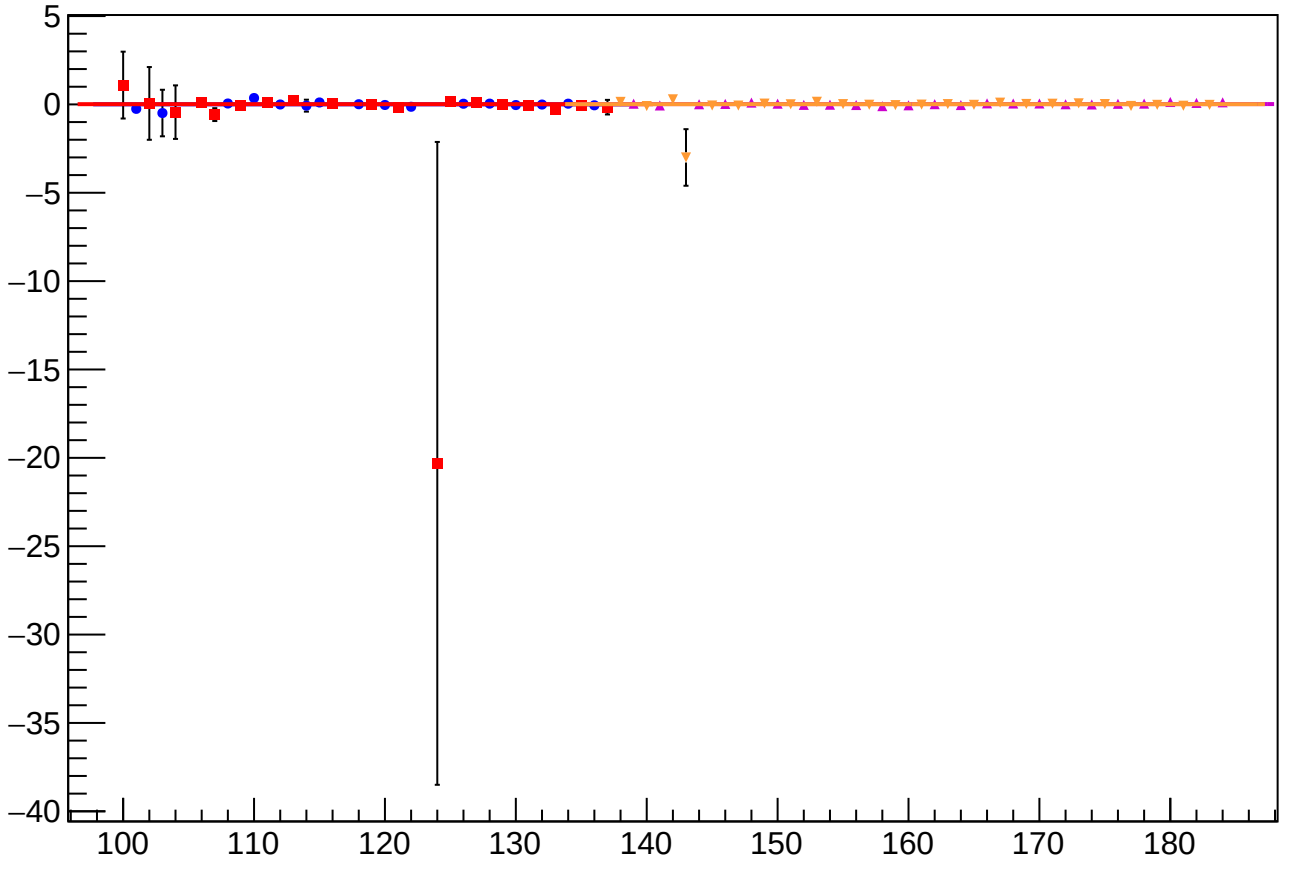
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 49.888+/-0.008 χ^2/NDF: 6307493.6/39

All: 49.005+/-0.006 χ^2/NDF: 11938911.6/81

- sign 48.159+/-0.008 χ^2/NDF: 5607524.0/41



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.012 χ^2/NDF:28.8/23

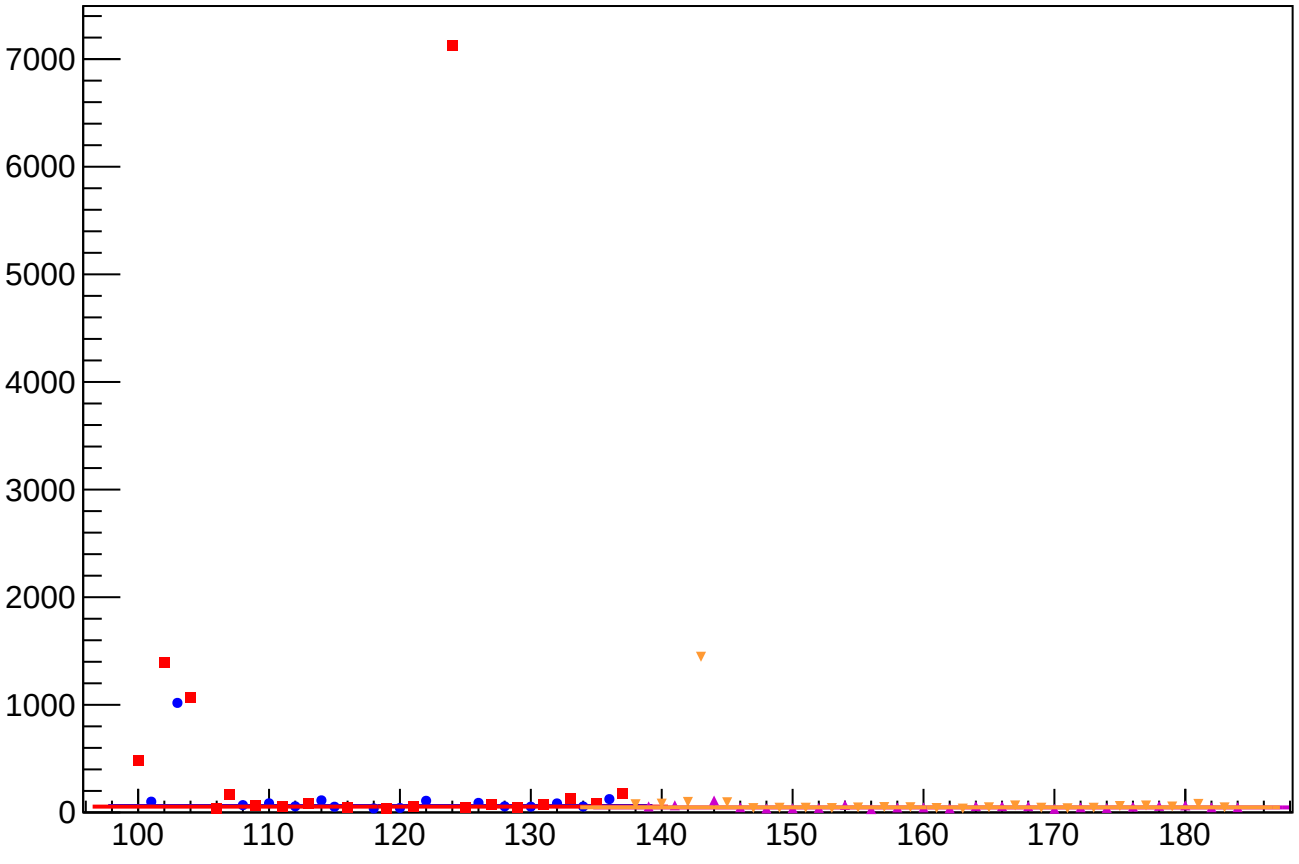
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 40.3/39

All: 0.014+/-0.008 χ^2/NDF: 78.4/81

- sign 0.017+/-0.011 χ^2/NDF: 37.9/41



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

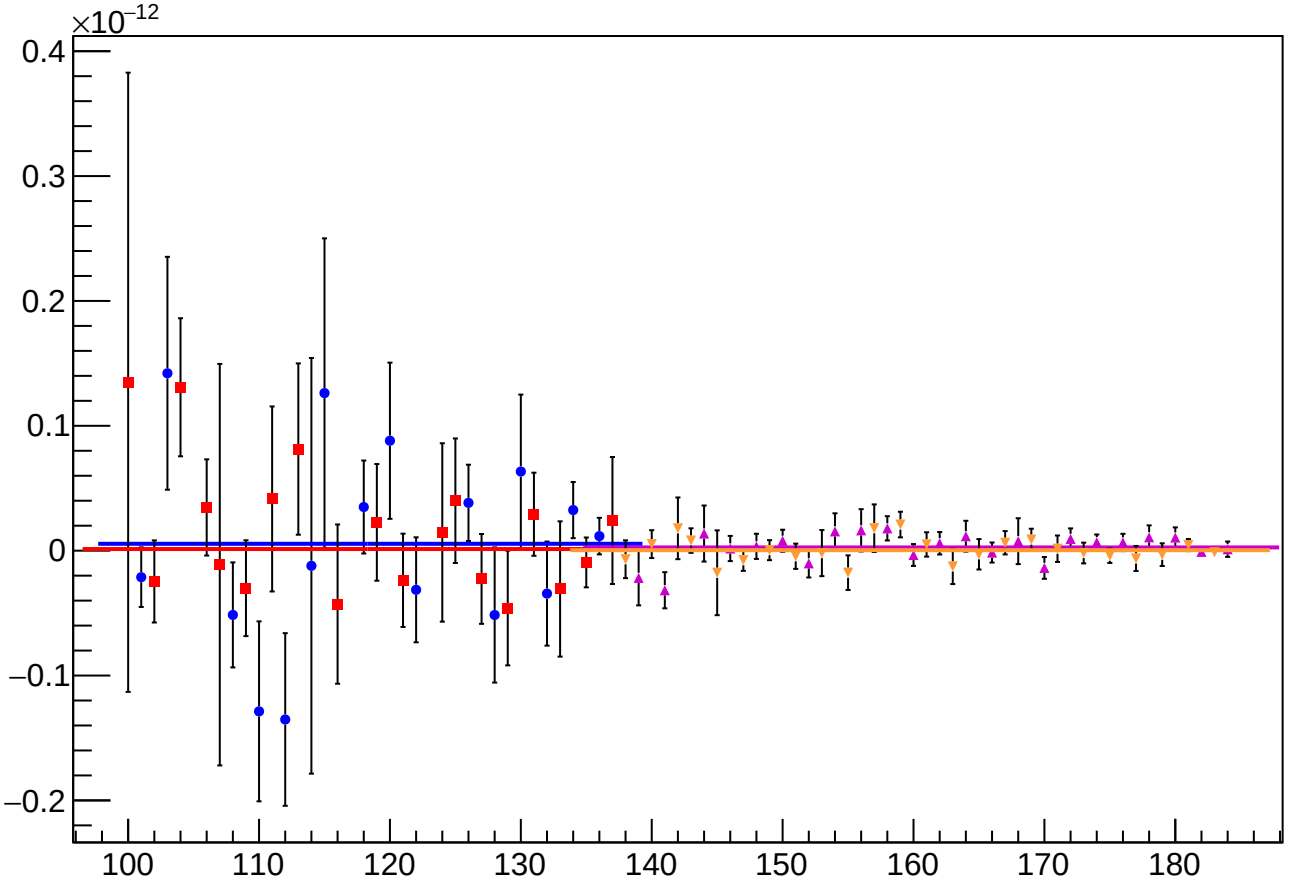
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 49.888+/-0.008 χ^2/NDF: 6307493.6/39

All: 49.005+/-0.006 χ^2/NDF: 11938911.6/81

- sign 48.159+/-0.008 χ^2/NDF: 5607524.0/41

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

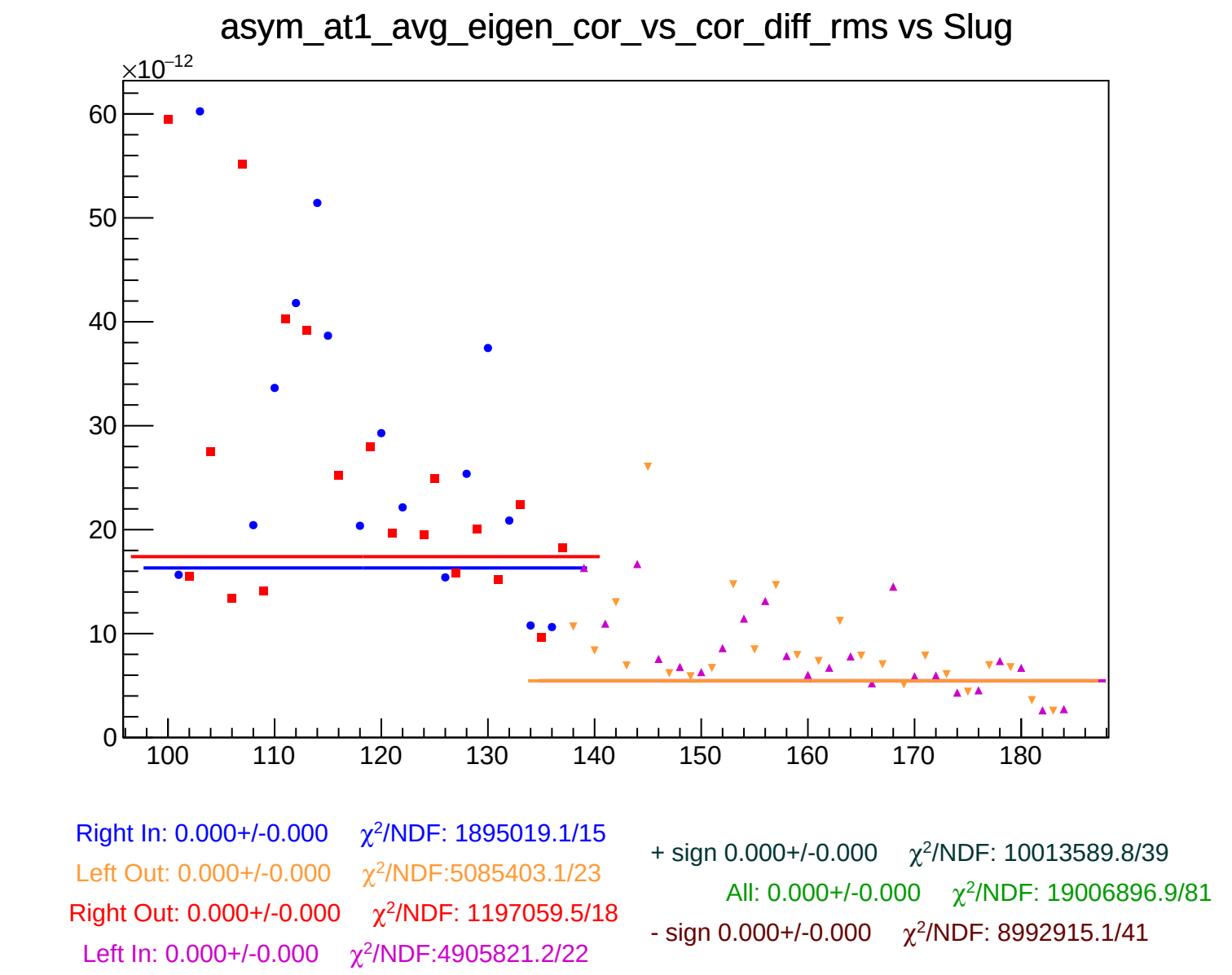
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

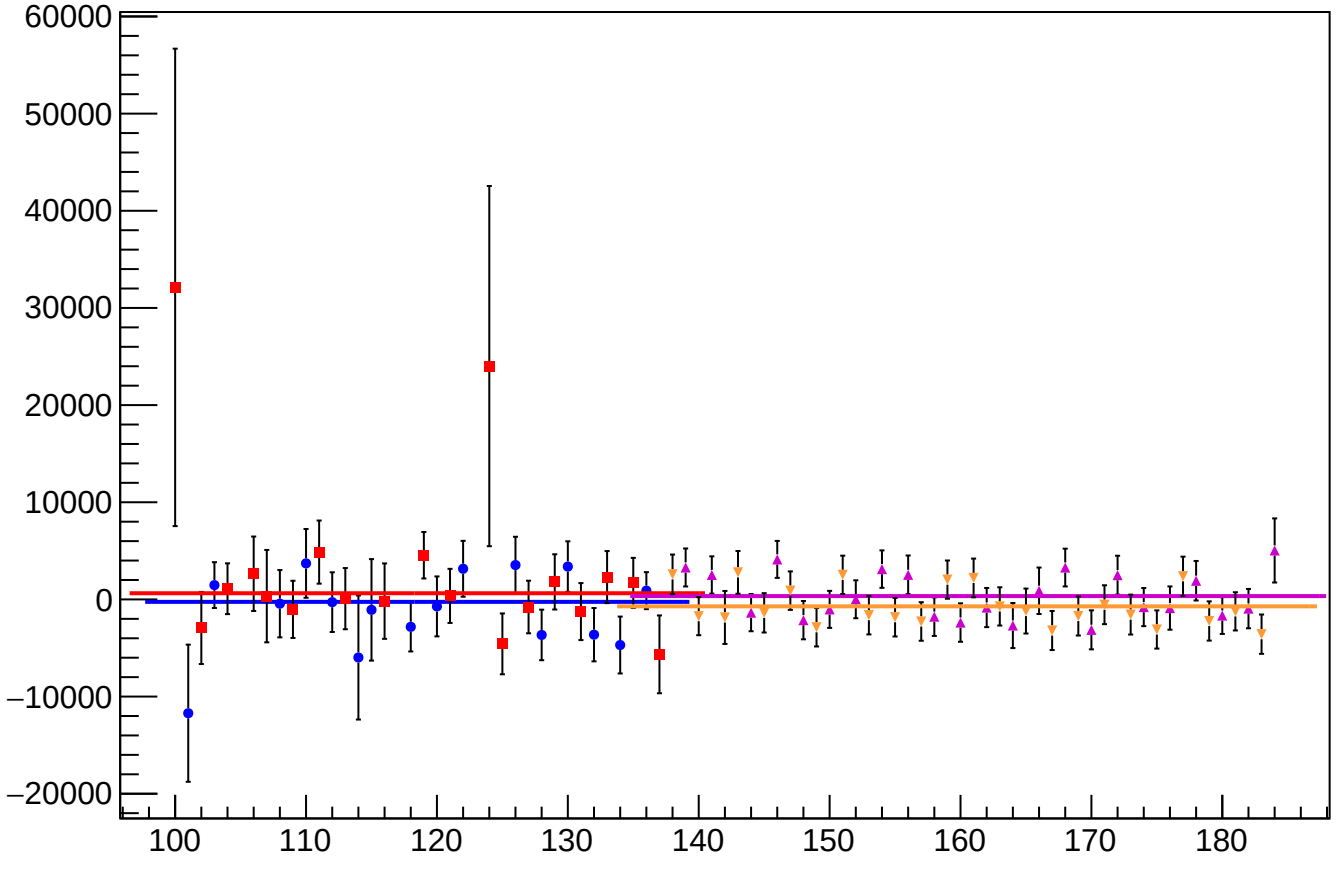
+ sign 0.000+/-0.000 χ^2/NDF: 37.1/39

All: 0.000+/-0.000 χ^2/NDF: 73.9/81

- sign 0.000+/-0.000 χ^2/NDF: 36.1/41


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:4905821.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10013589.8/39
All: 0.000+/-0.000 χ²/NDF: 19006896.9/81
- sign 0.000+/-0.000 χ²/NDF: 8992915.1/41

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

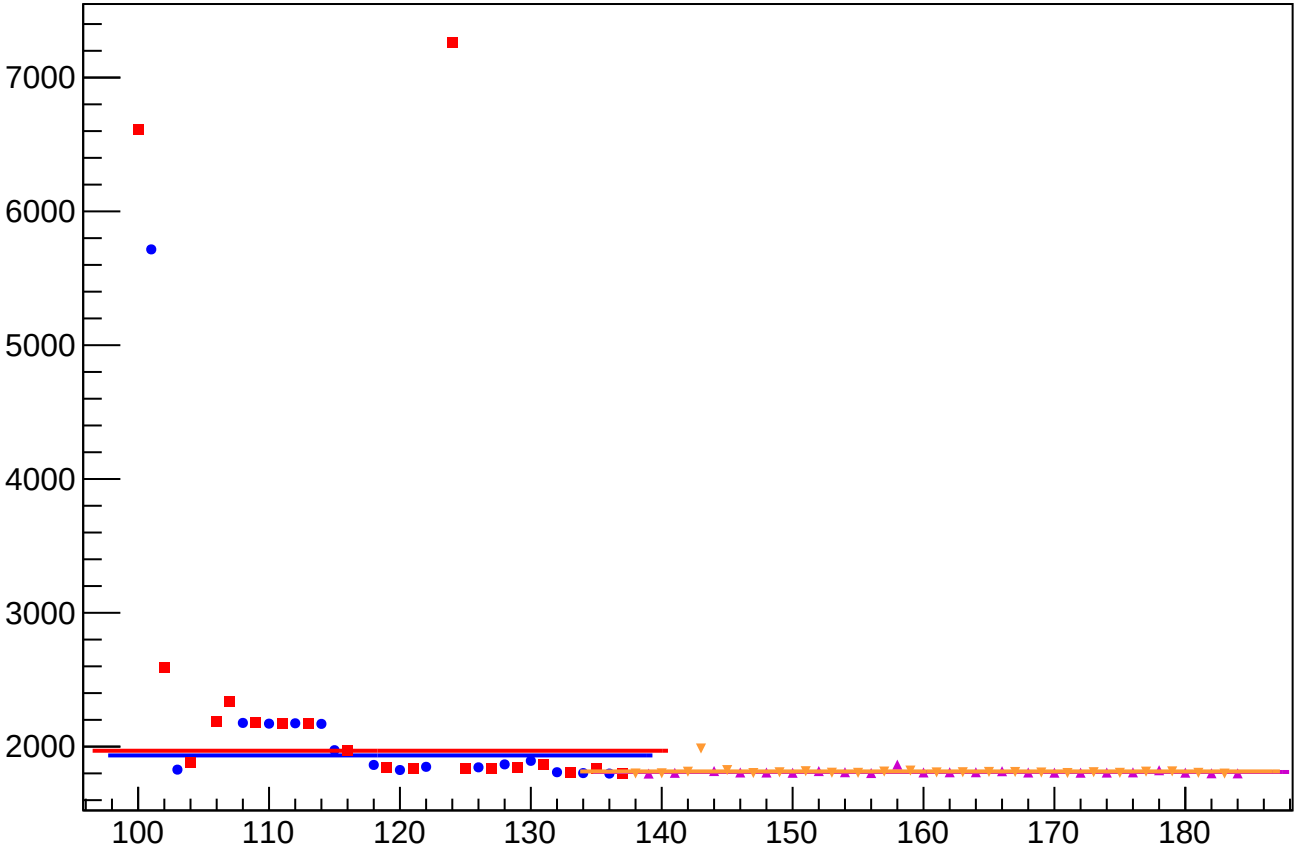
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -601.730+/-361.417 χ^2/NDF: 41.5/39

All: -100.092+/-257.336 χ^2/NDF: 91.5/81

- sign 415.733+/-366.492 χ^2/NDF: 46.1/41

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

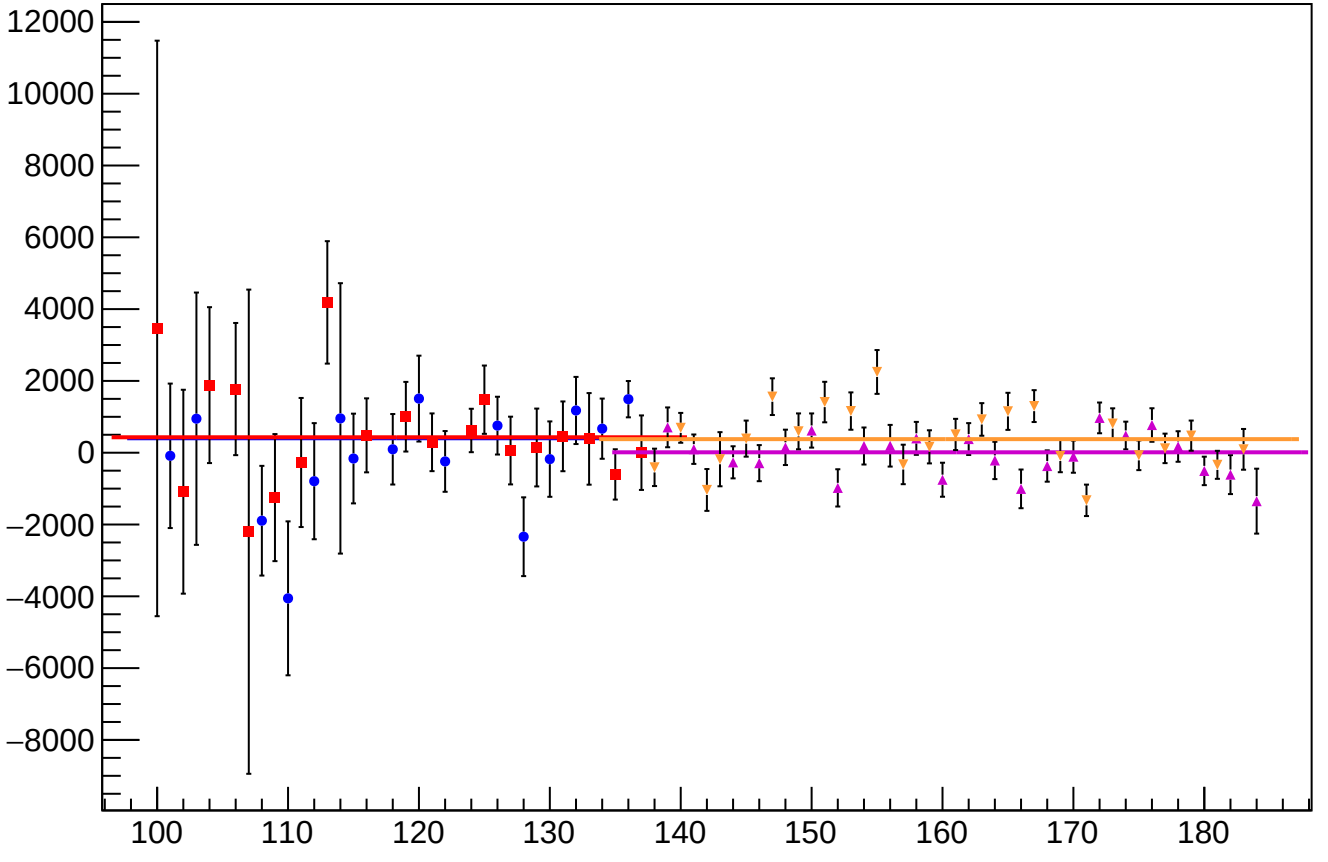
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1843.554+/-0.256 χ^2/NDF: 693099.7/39

All: 1846.671+/-0.182 χ^2/NDF: 1143786.7/81

- sign 1849.876+/-0.259 χ^2/NDF: 450385.4/41

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

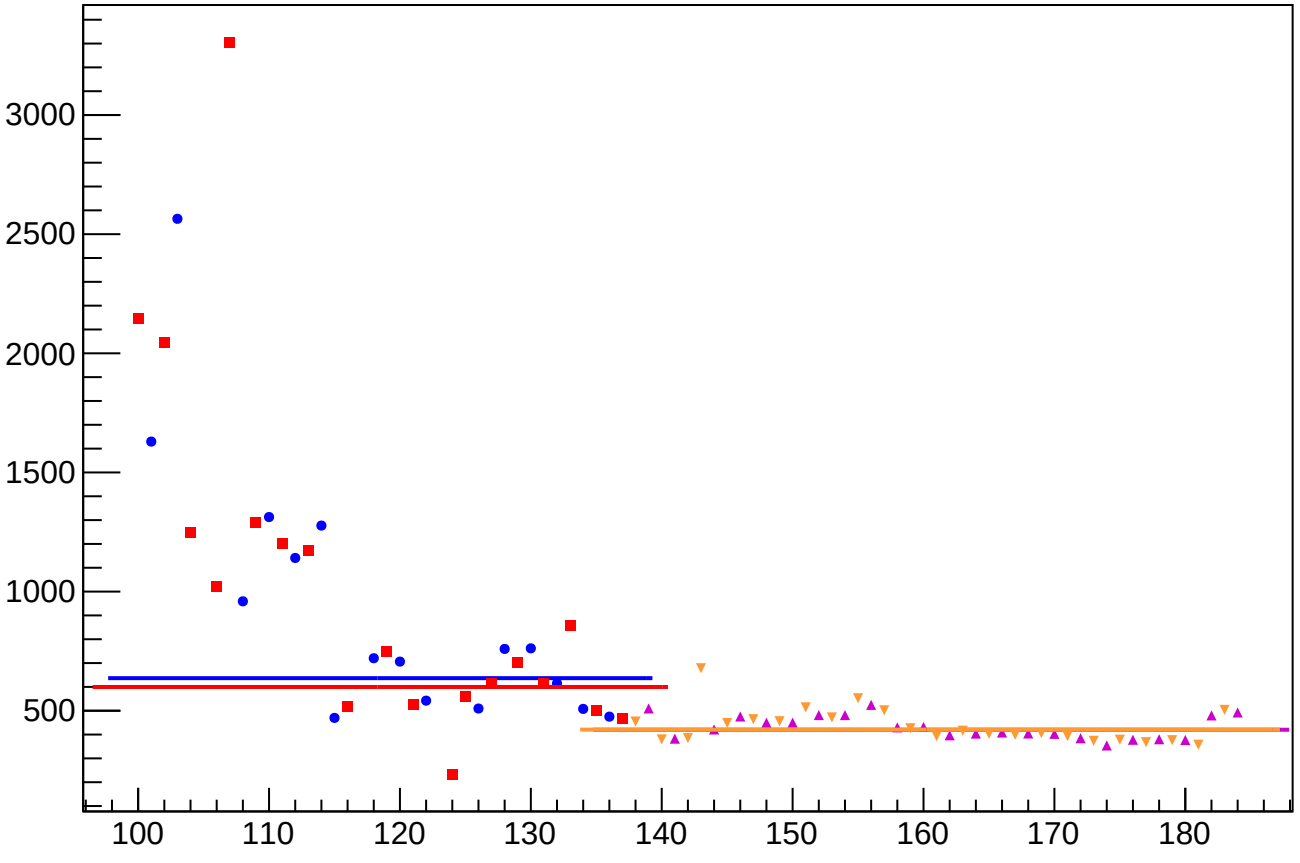
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 381.181+/-91.229 χ^2/NDF: 83.4/39

All: 225.768+/-64.837 χ^2/NDF: 134.5/81

- sign 67.148+/-92.165 χ^2/NDF: 45.2/41

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

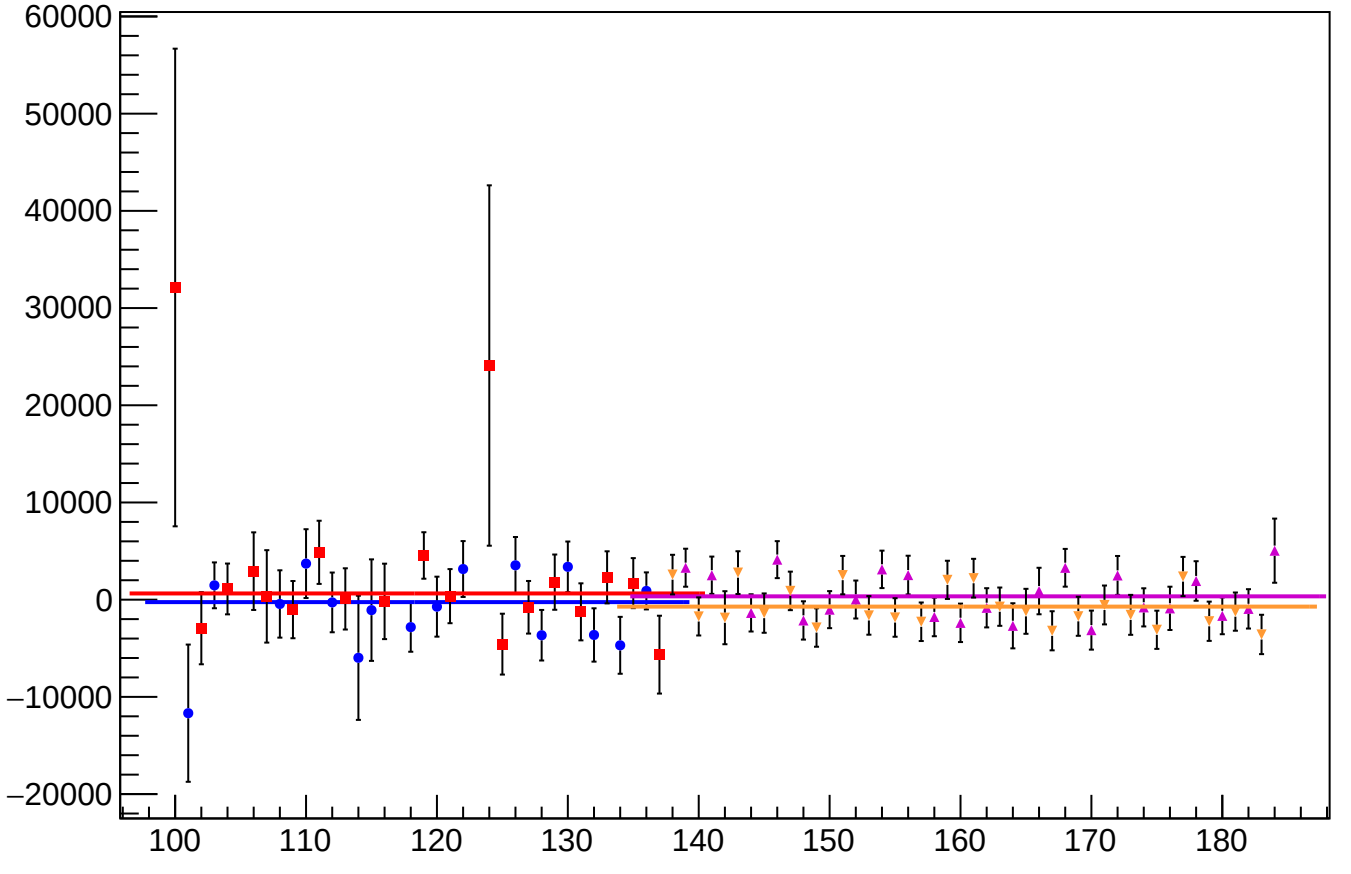
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 447.570+/-0.065 χ^2/NDF: 4020573.7/39

All: 445.835+/-0.046 χ^2/NDF: 8252551.1/81

- sign 444.064+/-0.065 χ^2/NDF: 4230515.8/41

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

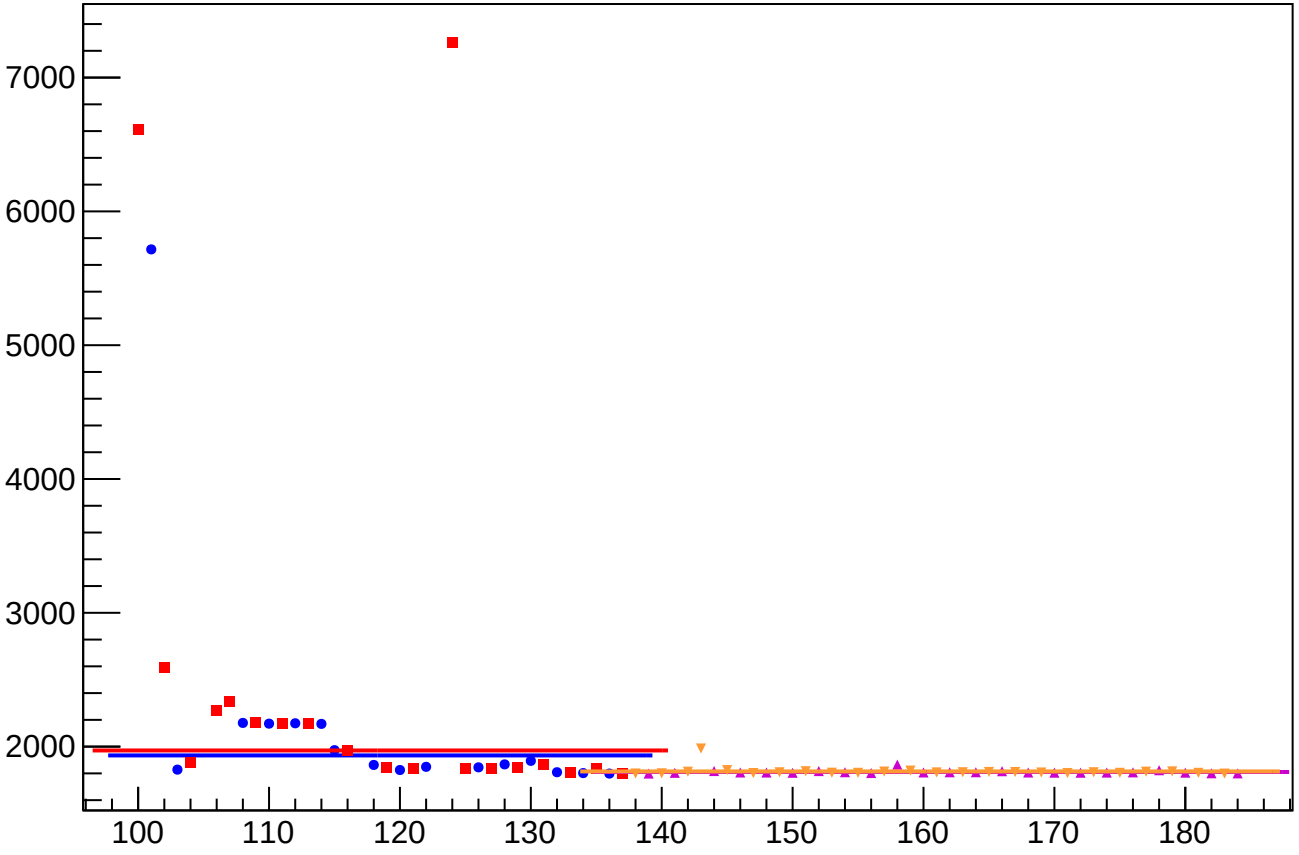
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -601.544+/-361.417 χ^2/NDF: 41.5/39

All: -99.659+/-257.382 χ^2/NDF: 91.6/81

\- sign 416.792+/-366.624 χ^2/NDF: 46.2/41

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

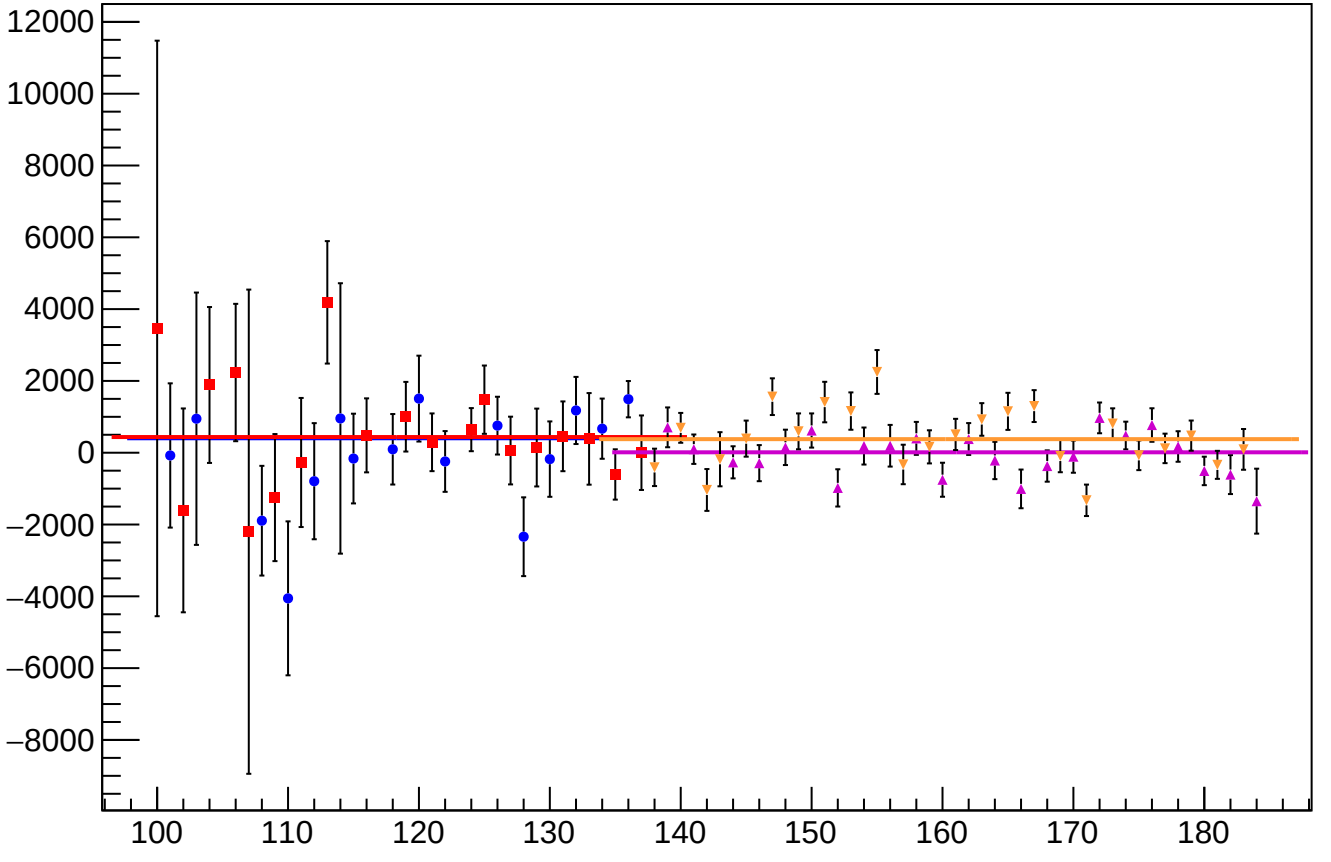
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1843.554+/-0.256 χ^2/NDF: 693099.6/39

All: 1846.890+/-0.182 χ^2/NDF: 1150383.5/81

- sign 1850.323+/-0.259 χ^2/NDF: 456938.2/41

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

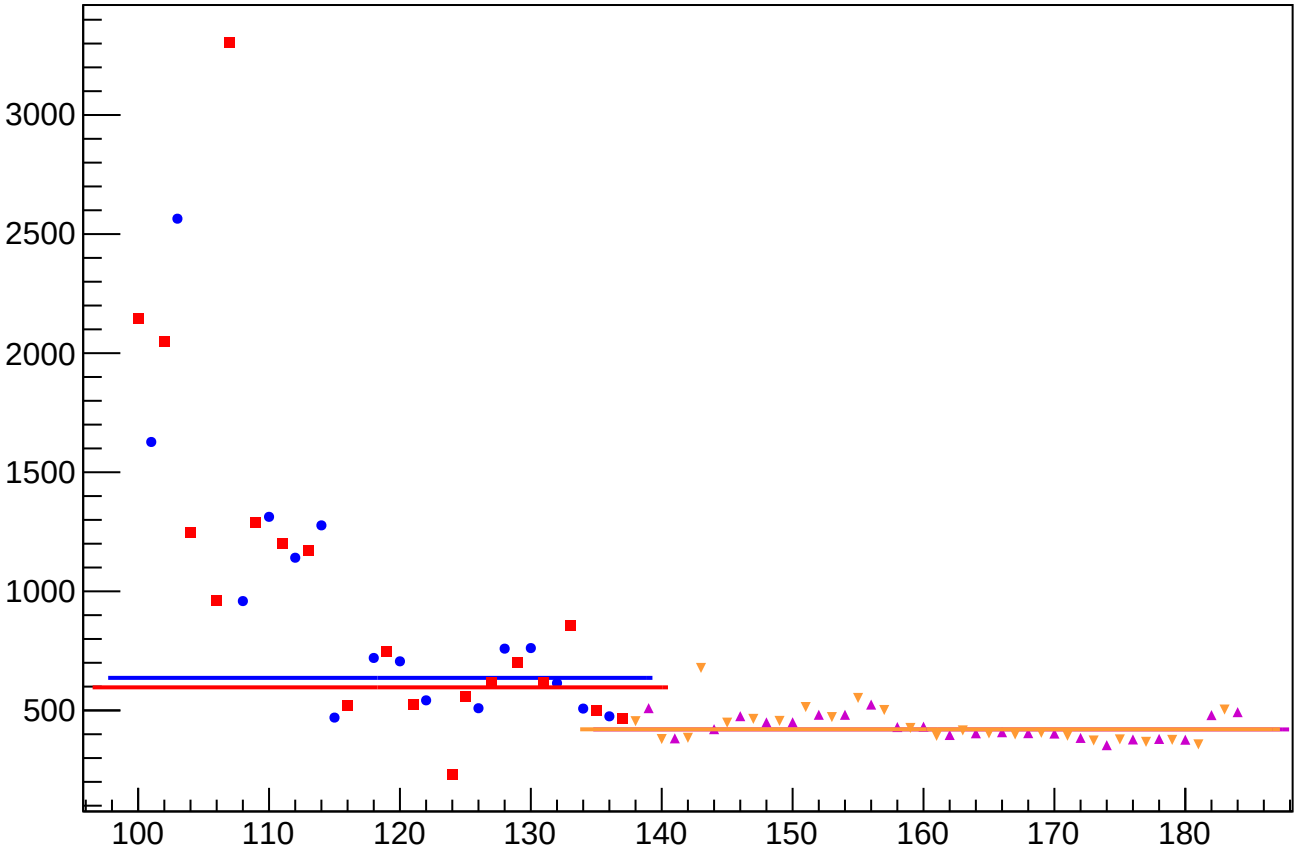
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 381.157+/-91.229 χ^2/NDF: 83.4/39

All: 226.211+/-64.834 χ^2/NDF: 135.2/81

- sign 68.096+/-92.157 χ^2/NDF: 45.9/41

asym_at1_dd_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

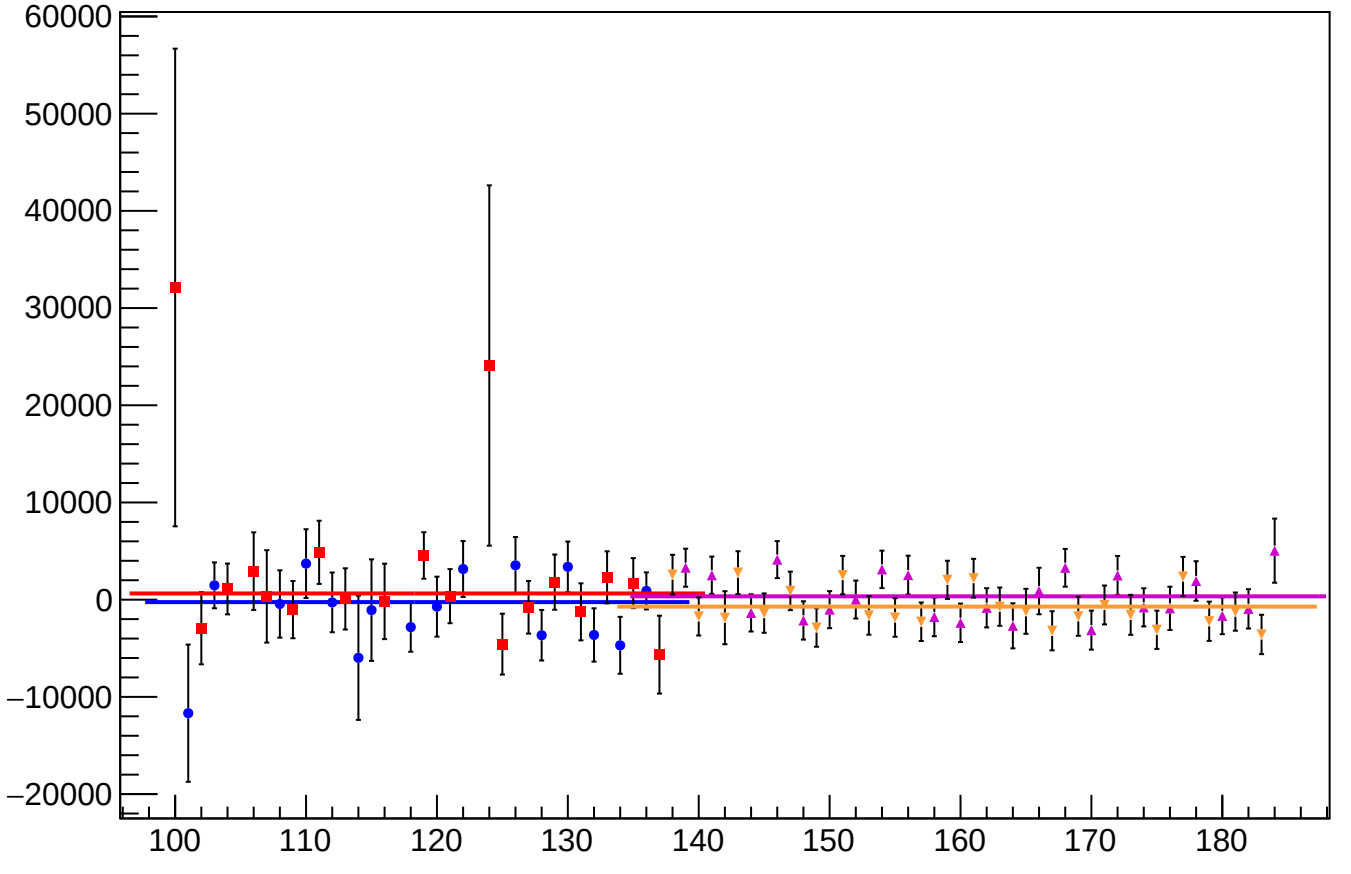
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 447.574+/-0.065 χ^2/NDF: 4019664.9/39

All: 445.665+/-0.046 χ^2/NDF: 8212502.7/81

- sign 443.717+/-0.065 χ^2/NDF: 4191067.9/41

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

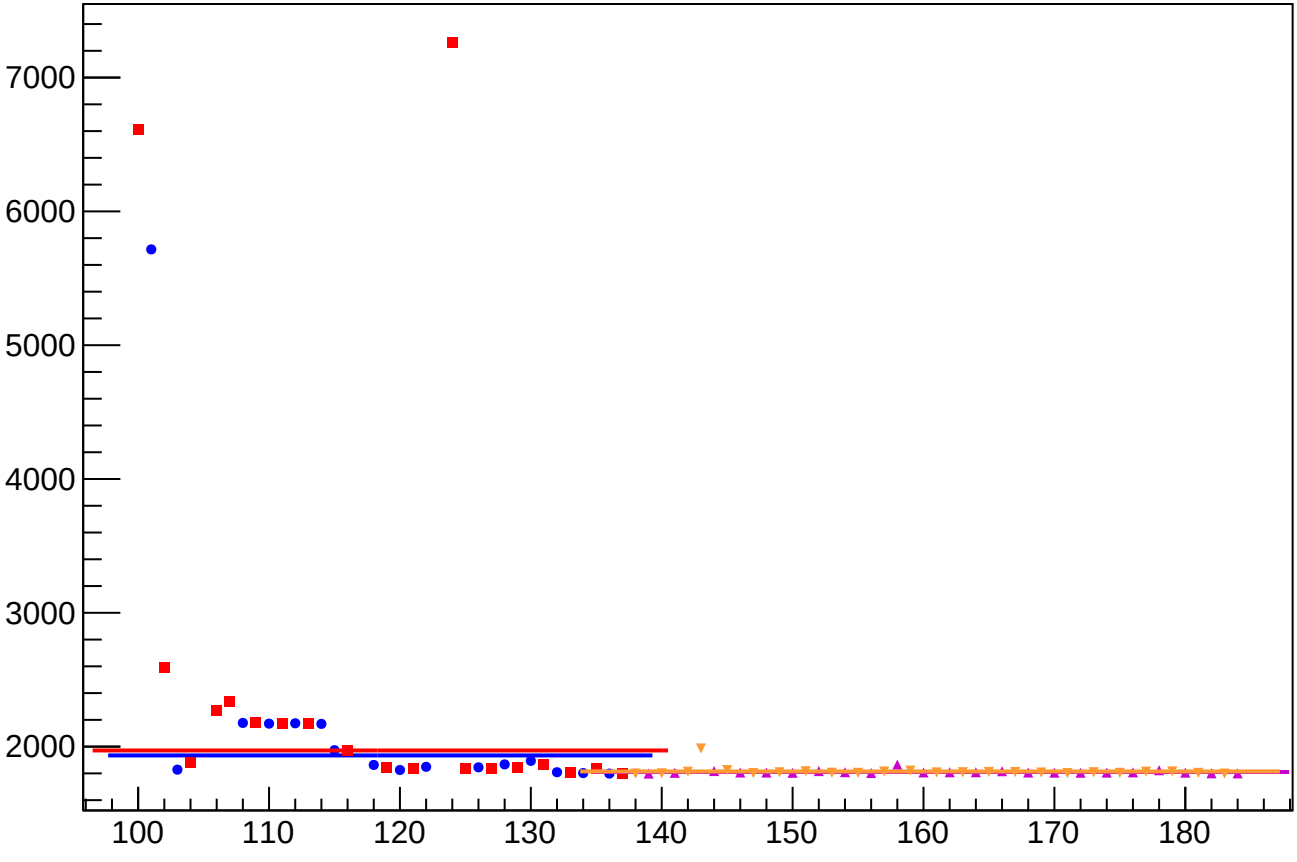
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -601.544+/-361.417 χ^2/NDF: 41.5/39

All: -99.659+/-257.382 χ^2/NDF: 91.6/81

- sign 416.792+/-366.624 χ^2/NDF: 46.2/41

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

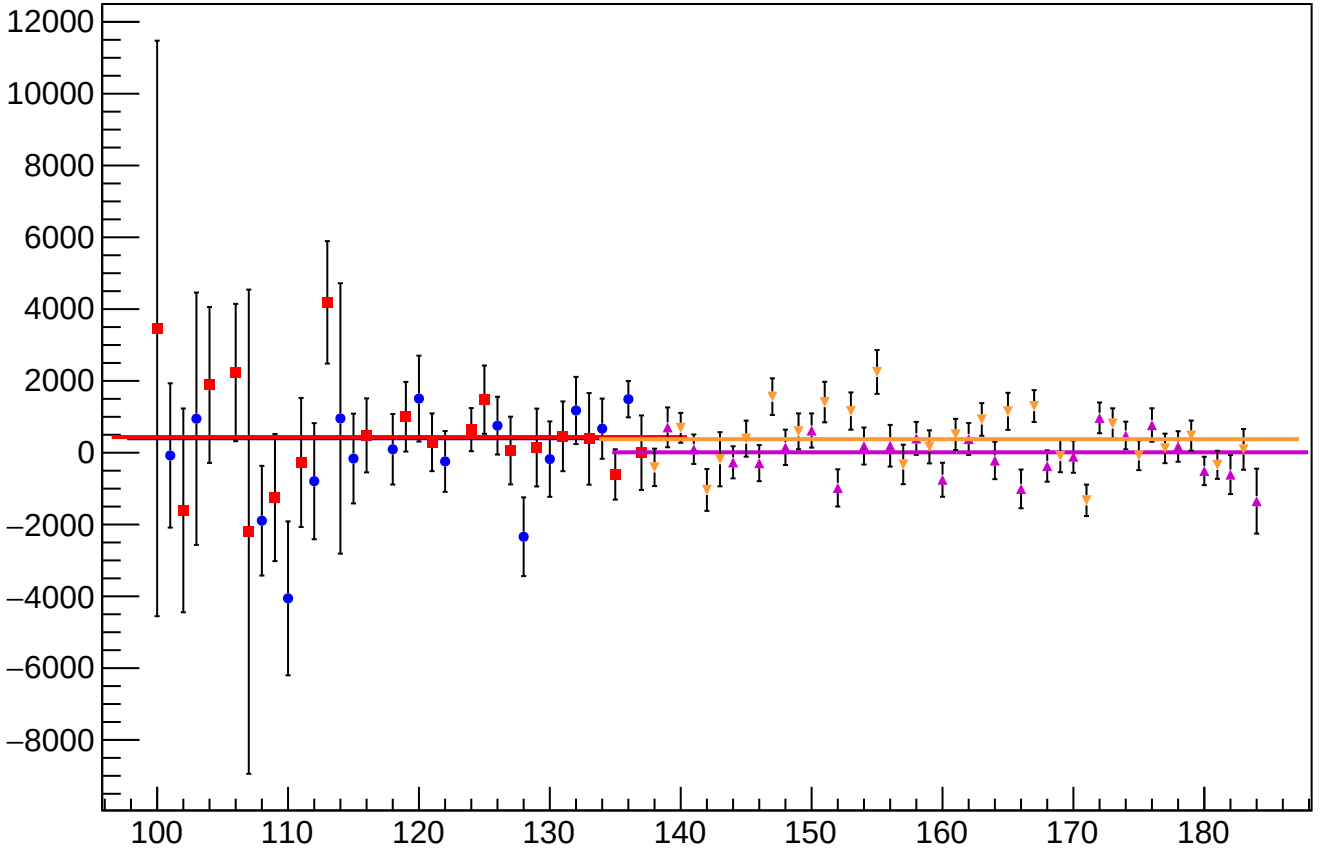
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1843.554+/-0.256 χ^2/NDF: 693099.6/39

All: 1846.890+/-0.182 χ^2/NDF: 1150383.5/81

- sign 1850.323+/-0.259 χ^2/NDF: 456938.2/41

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

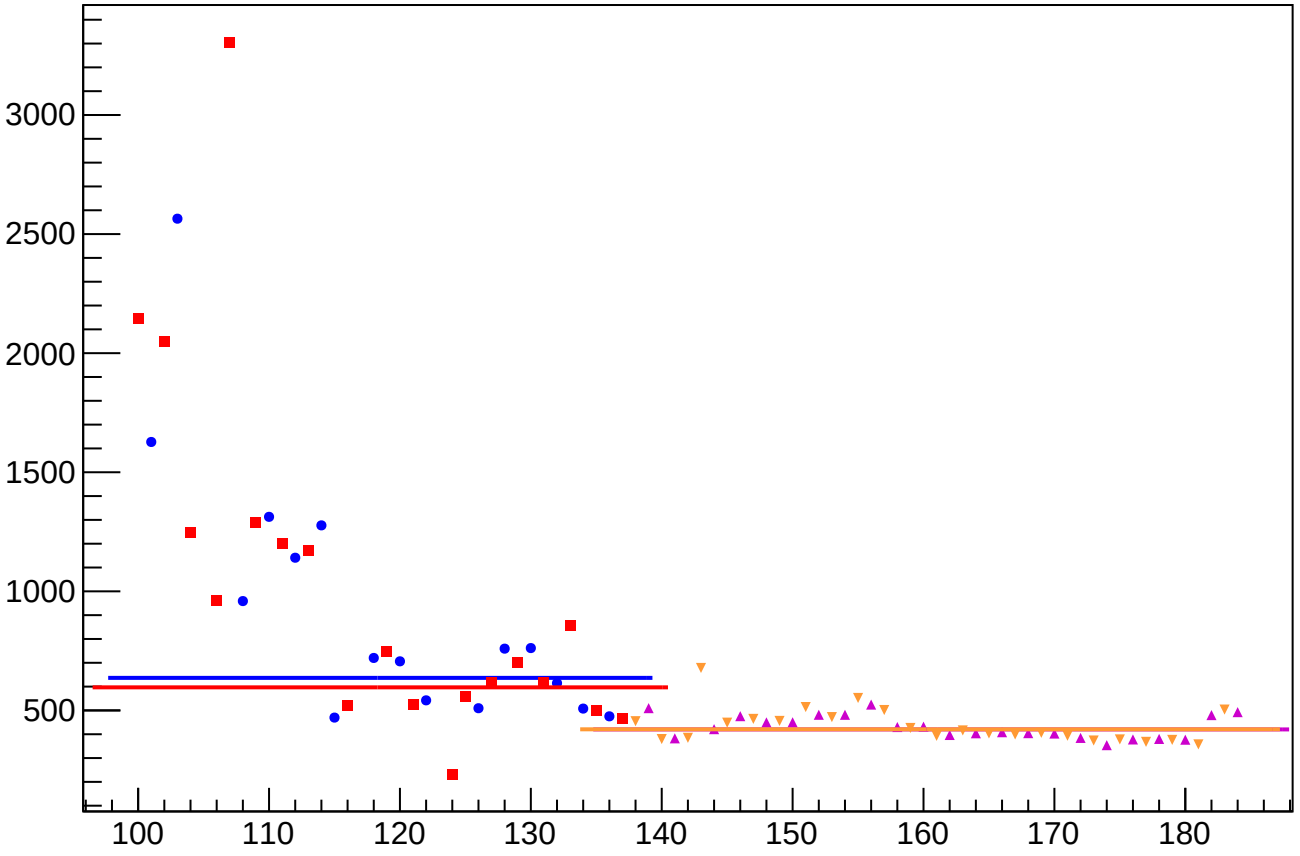
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 381.157+/-91.229 χ^2/NDF: 83.4/39

All: 226.211+/-64.834 χ^2/NDF: 135.2/81

- sign 68.096+/-92.157 χ^2/NDF: 45.9/41

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

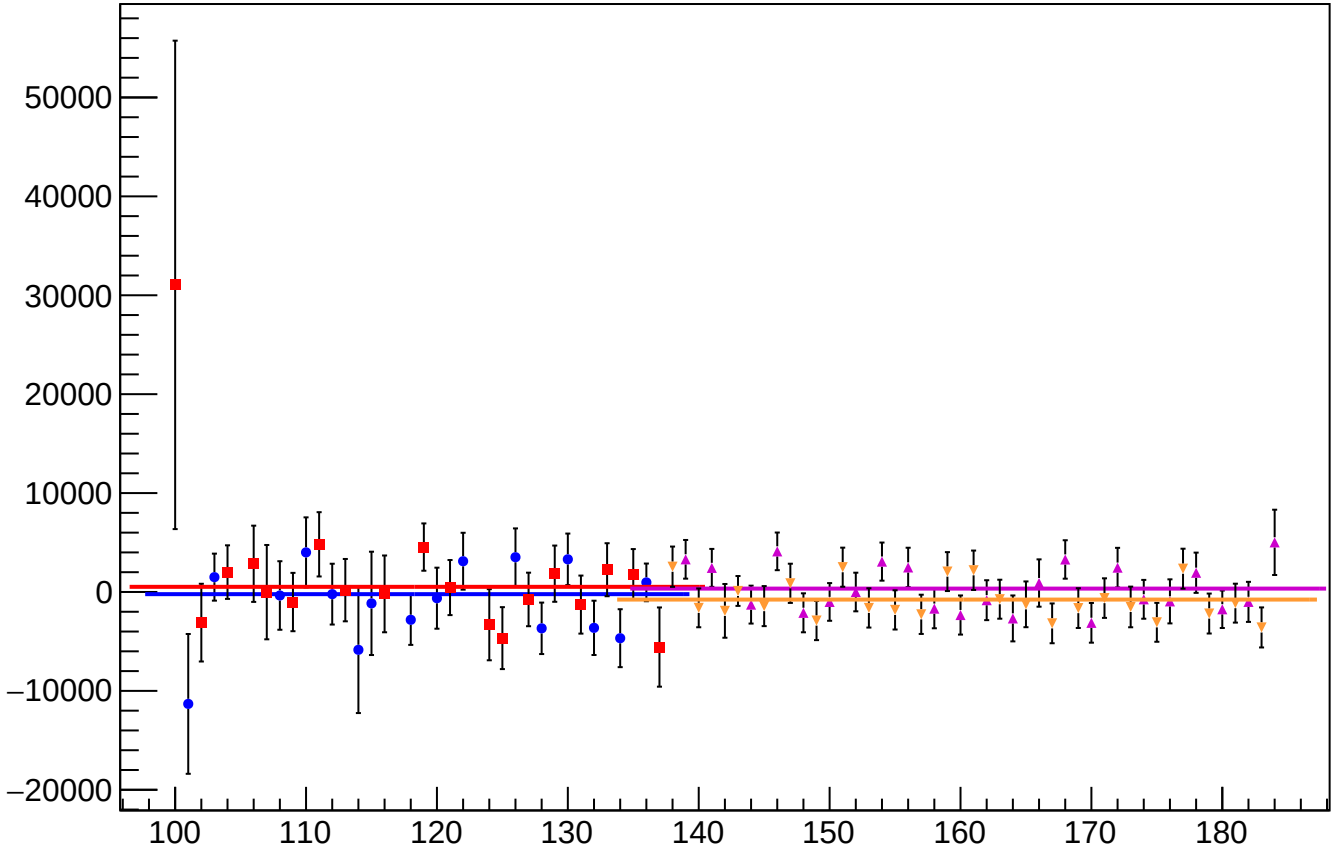
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 447.574+/-0.065 χ^2/NDF: 4019664.9/39

All: 445.665+/-0.046 χ^2/NDF: 8212502.7/81

- sign 443.717+/-0.065 χ^2/NDF: 4191067.9/41

dit_asym_at1_dd_mean vs Slug



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

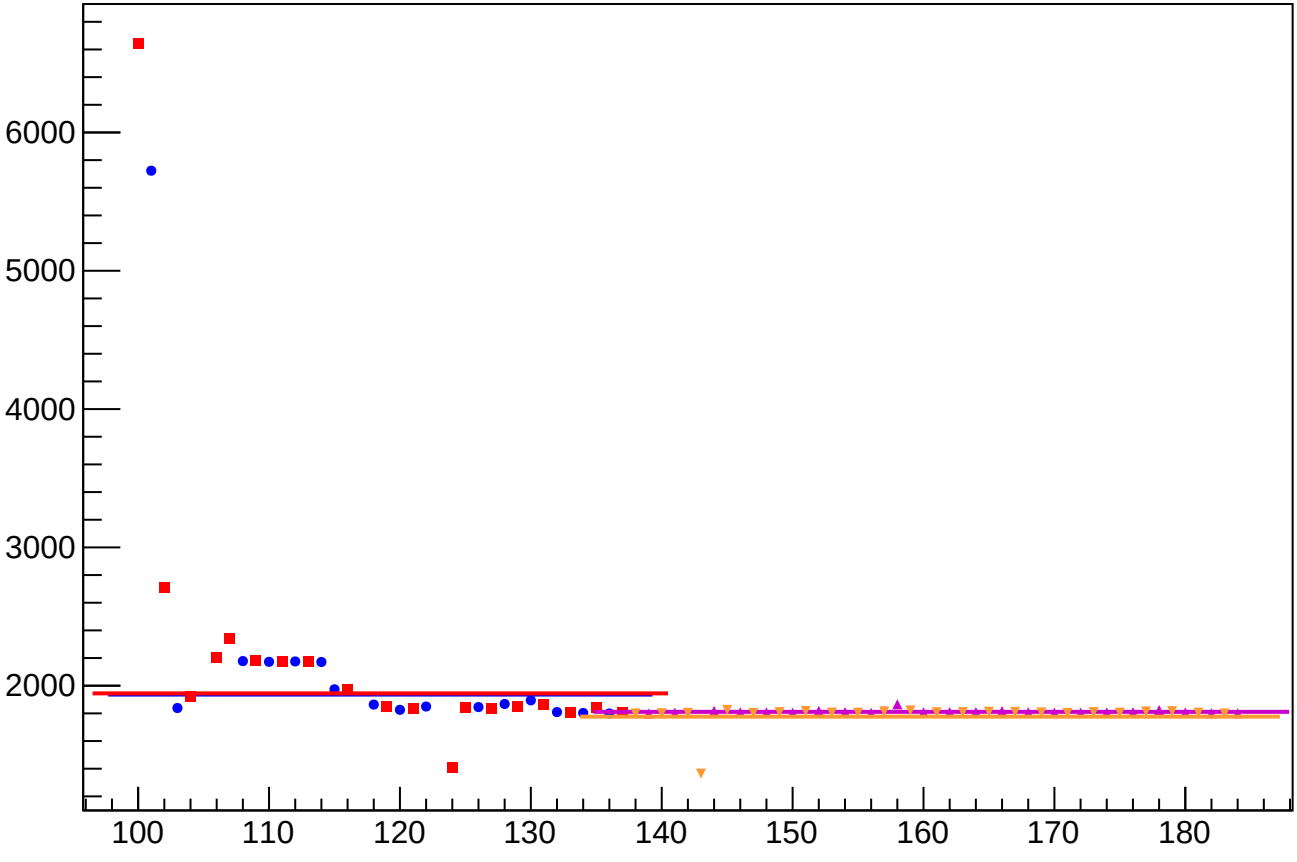
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -639.476+/-356.219 χ^2/NDF: 38.9/39

All: -139.267+/-255.023 χ^2/NDF: 88.2/81

- sign 386.672+/-365.266 χ^2/NDF: 45.3/41

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

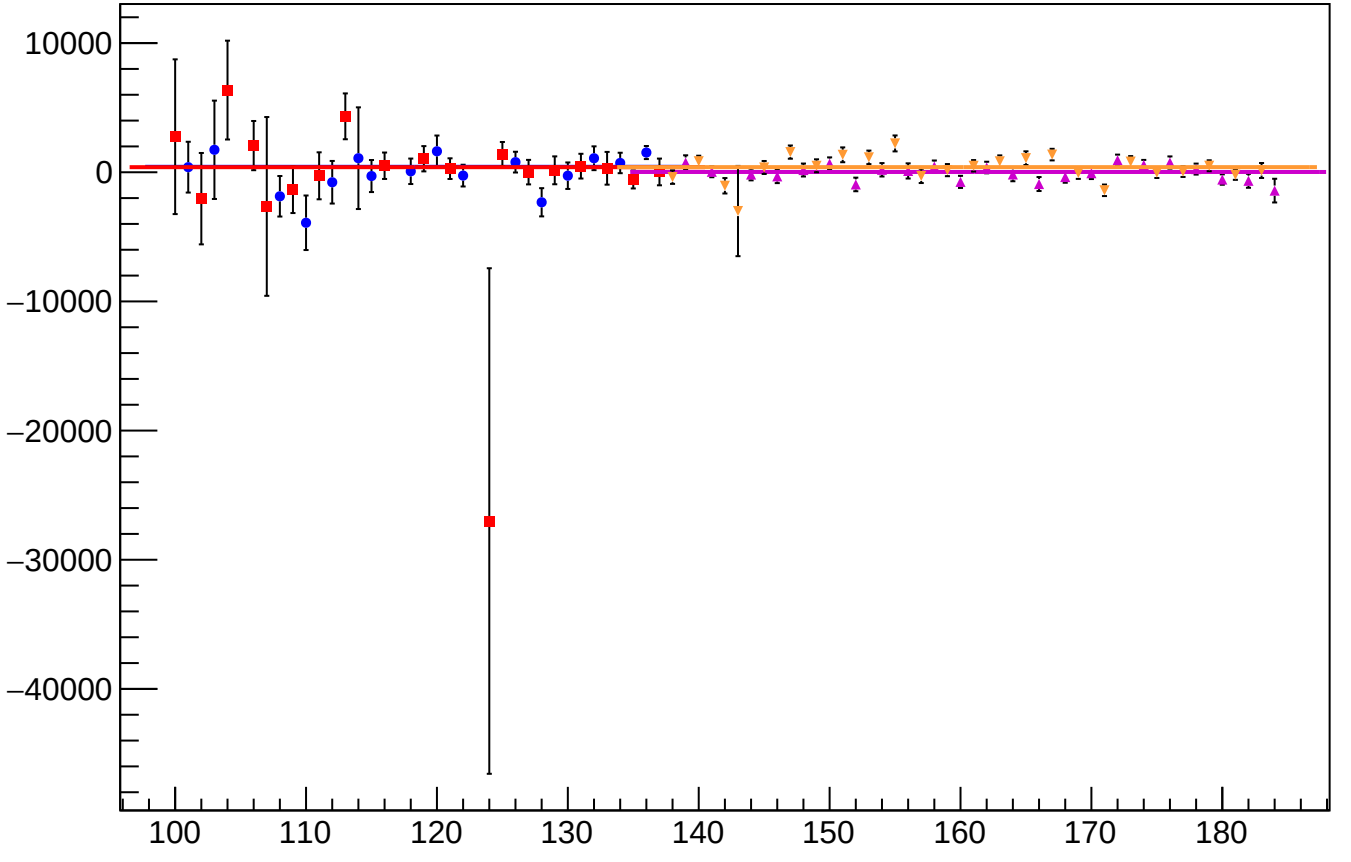
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.806+/-0.252 χ^2/NDF: 873009.4/39

All: 1828.987+/-0.180 χ^2/NDF: 1209185.2/81

- sign 1844.949+/-0.258 χ^2/NDF: 328723.9/41

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

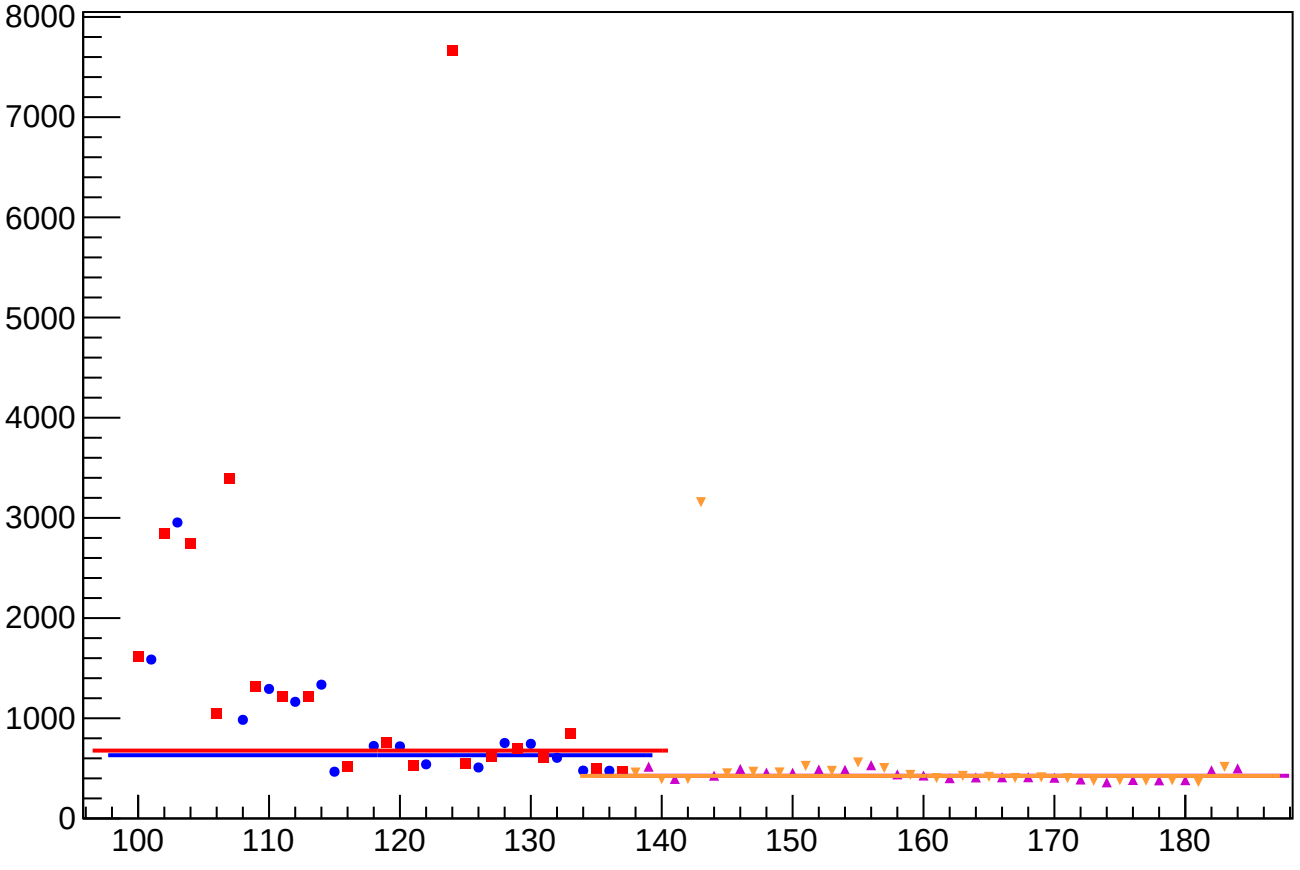
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 399.691+/-92.881 χ^2/NDF: 82.0/39

All: 234.462+/-66.200 χ^2/NDF: 136.7/81

- sign 63.865+/-94.378 χ^2/NDF: 48.3/41

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

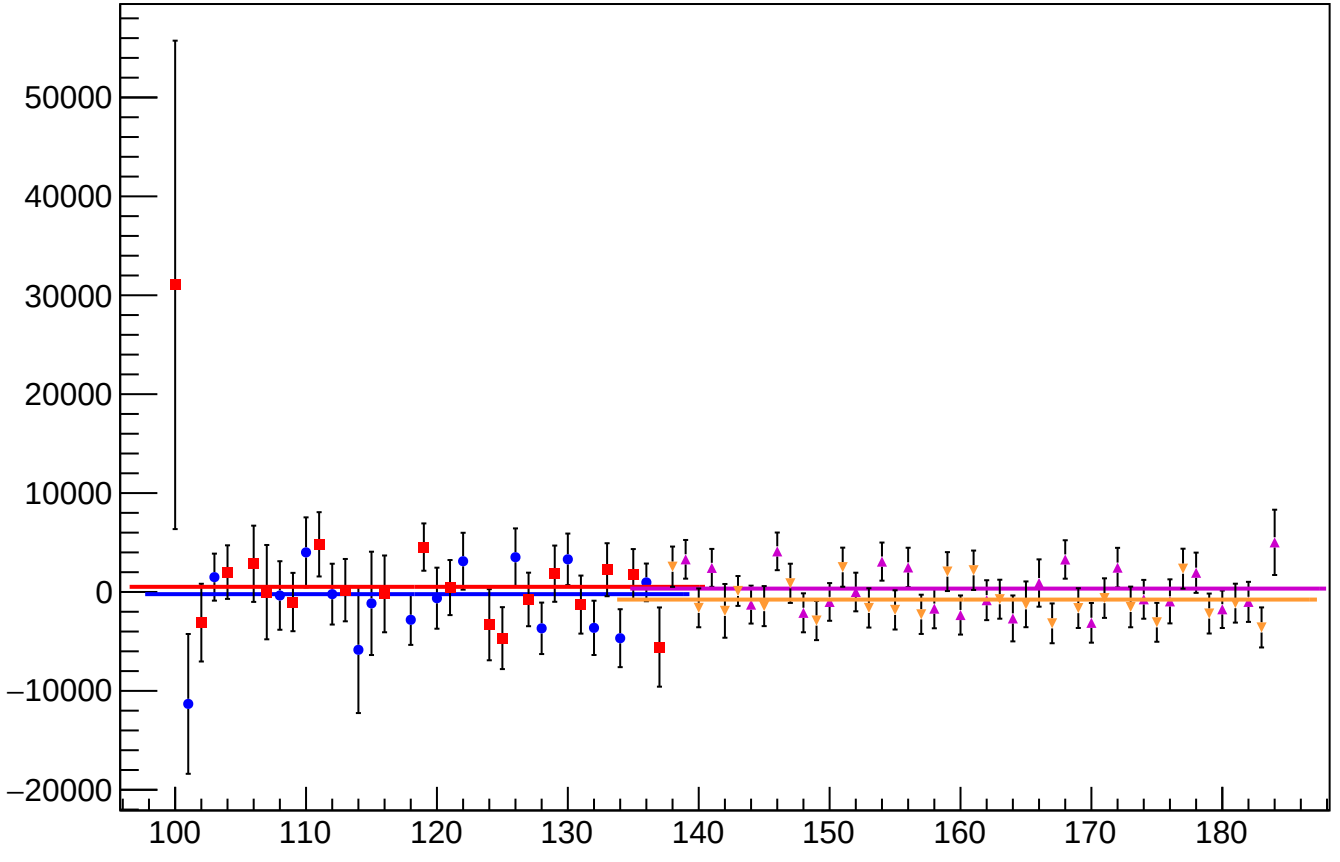
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 451.790+/-0.066 χ^2/NDF: 5057467.9/39

All: 453.263+/-0.047 χ^2/NDF: 9987276.0/81

- sign 454.784+/-0.067 χ^2/NDF: 4928786.1/41

eigen_dit_asym_at1_dd_mean vs Slug



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

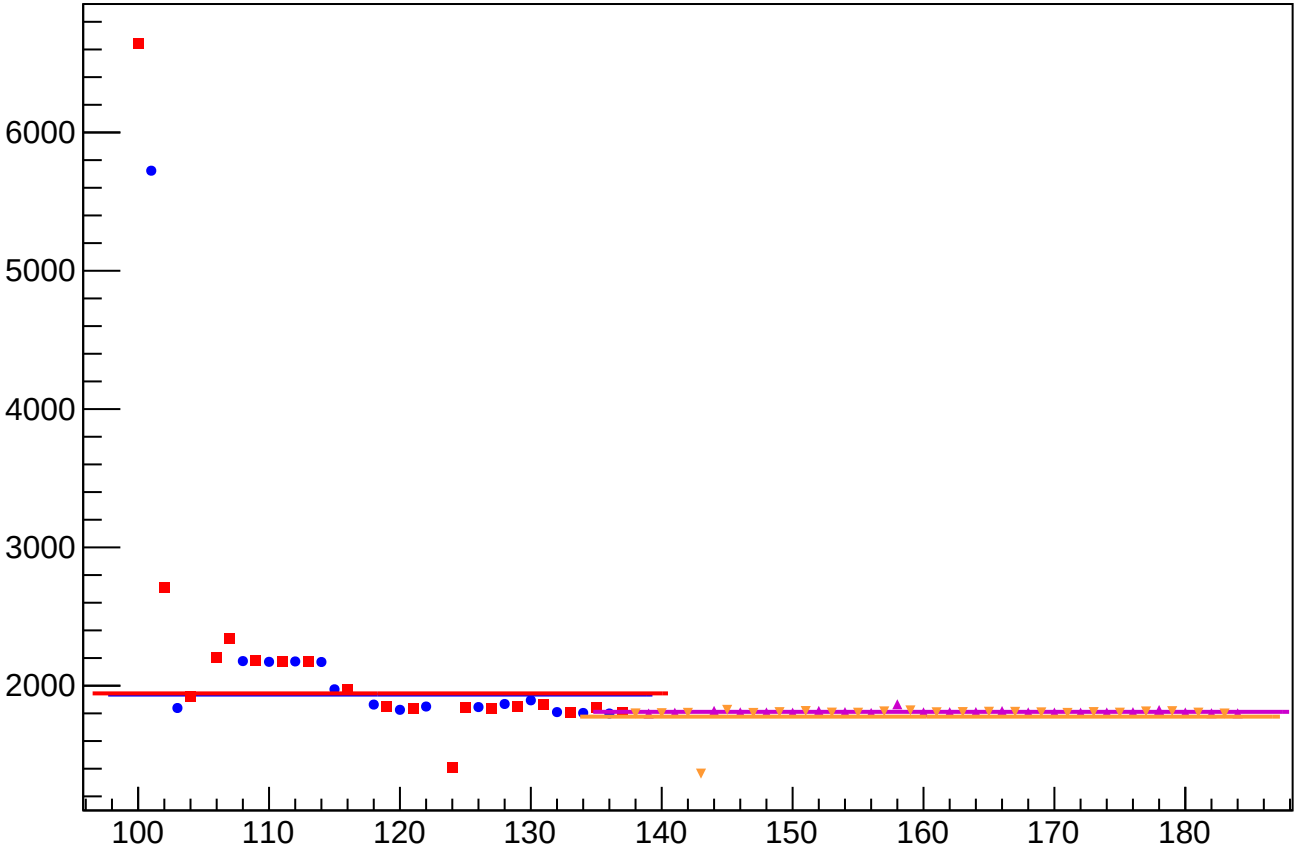
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -639.476+/-356.219 χ^2/NDF: 38.9/39

All: -139.267+/-255.023 χ^2/NDF: 88.2/81

- sign 386.672+/-365.266 χ^2/NDF: 45.3/41

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

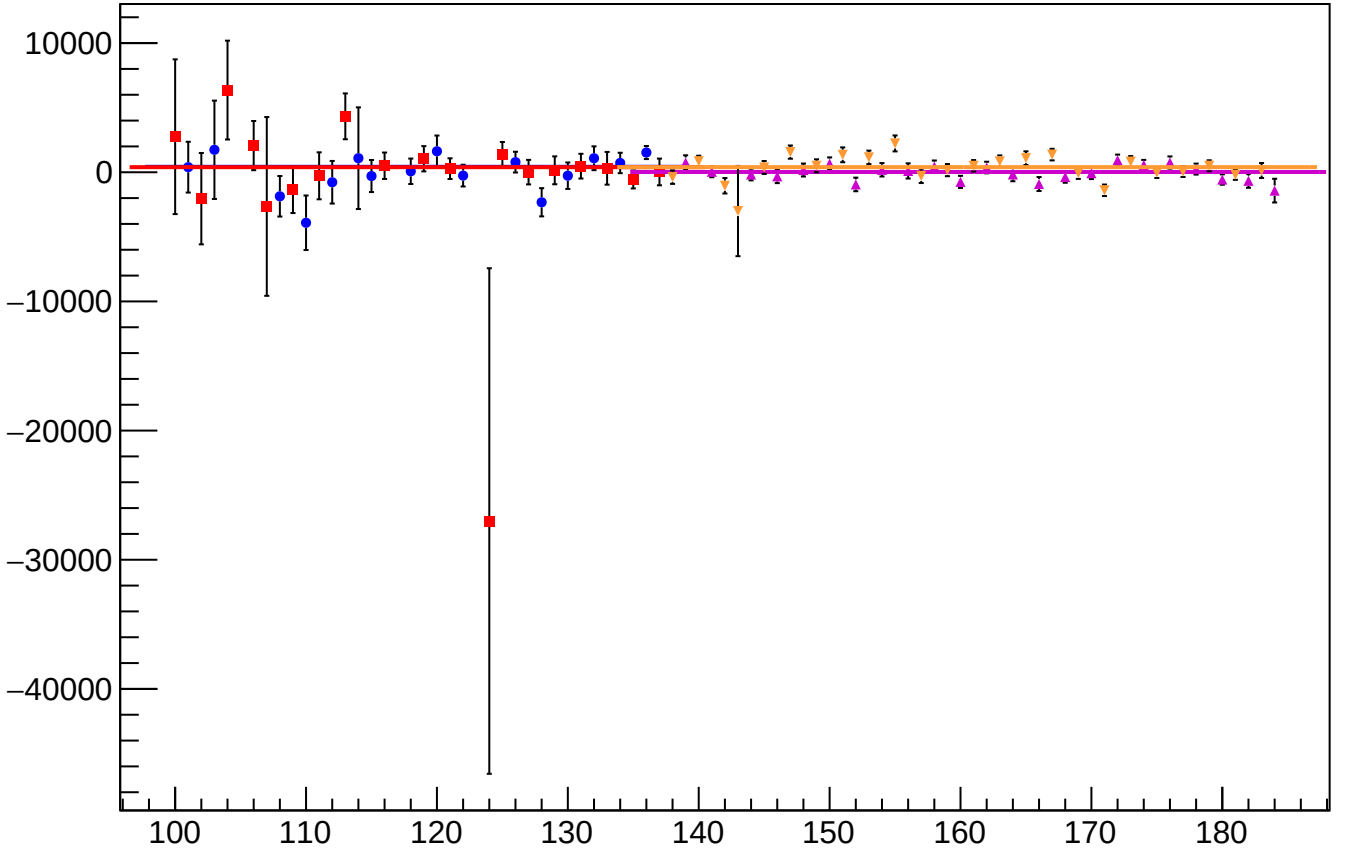
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.806+/-0.252 χ^2/NDF: 873009.4/39

All: 1828.987+/-0.180 χ^2/NDF: 1209185.0/81

- sign 1844.949+/-0.258 χ^2/NDF: 328723.7/41

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

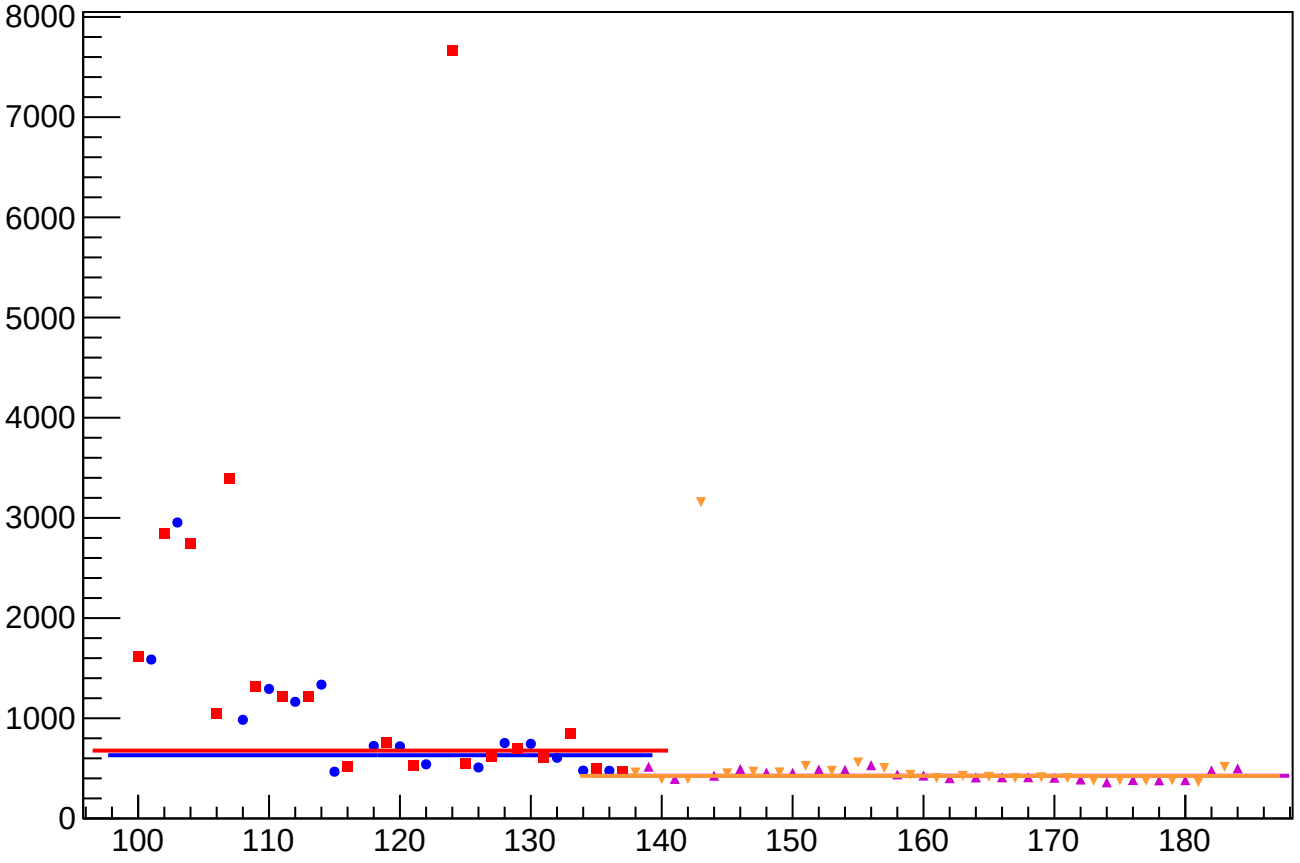
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 399.691+/-92.881 χ^2/NDF: 82.0/39

All: 234.461+/-66.200 χ^2/NDF: 136.7/81

- sign 63.864+/-94.378 χ^2/NDF: 48.3/41

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

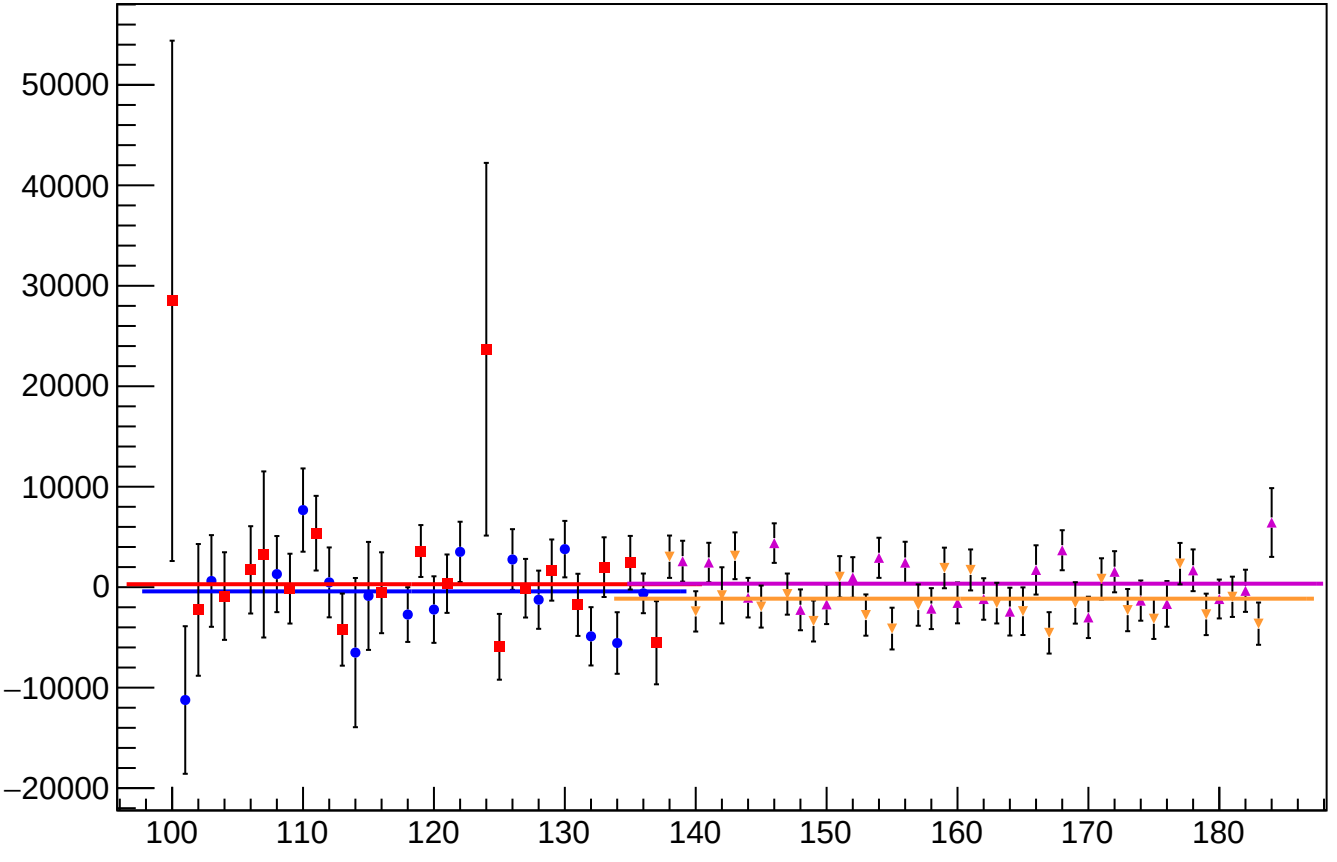
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 451.790+/-0.066 χ^2/NDF: 5057470.9/39

All: 453.263+/-0.047 χ^2/NDF: 9987283.7/81

- sign 454.784+/-0.067 χ^2/NDF: 4928790.7/41

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

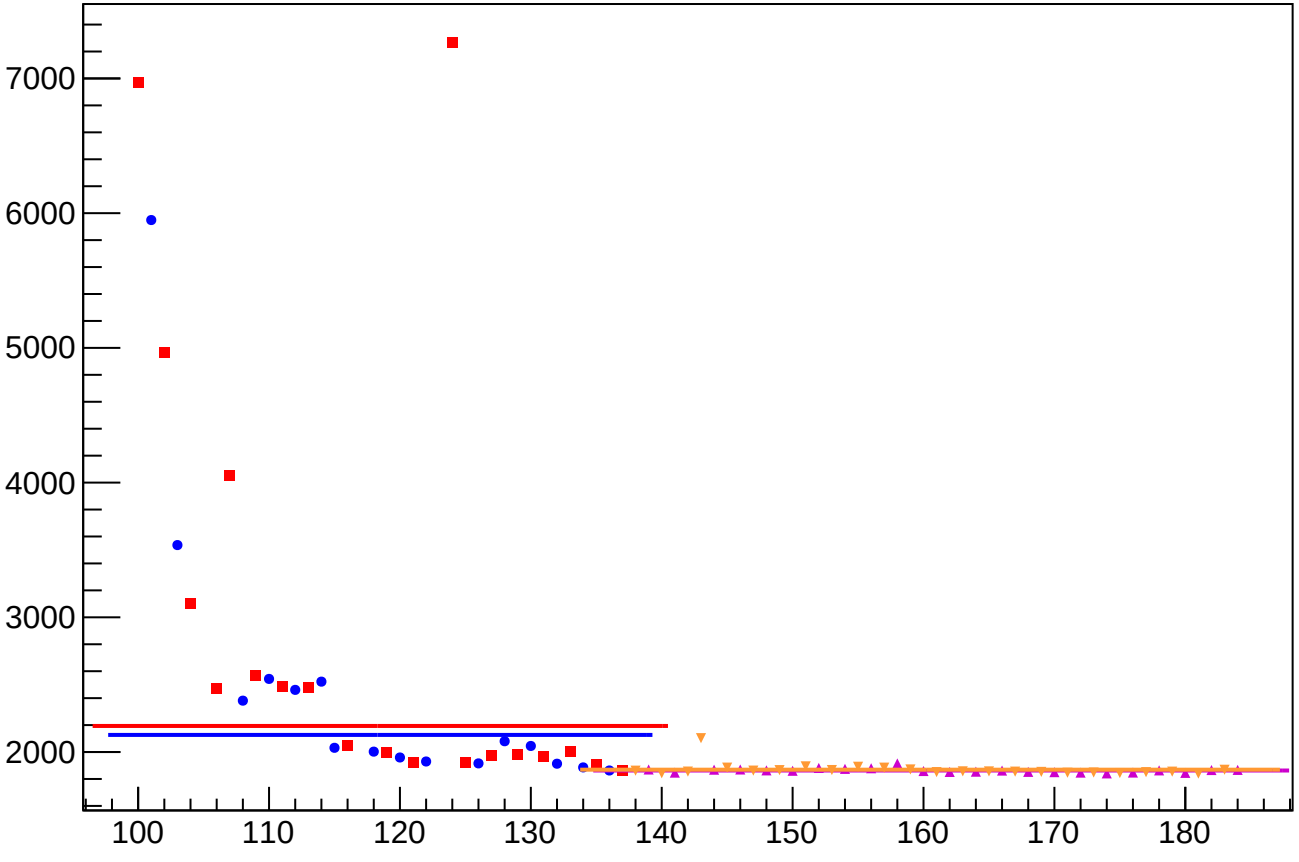
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -988.001+/-378.636 χ^2/NDF: 46.4/39

All: -337.905+/-270.101 χ^2/NDF: 96.8/81

- sign 335.679+/-385.415 χ^2/NDF: 44.4/41

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

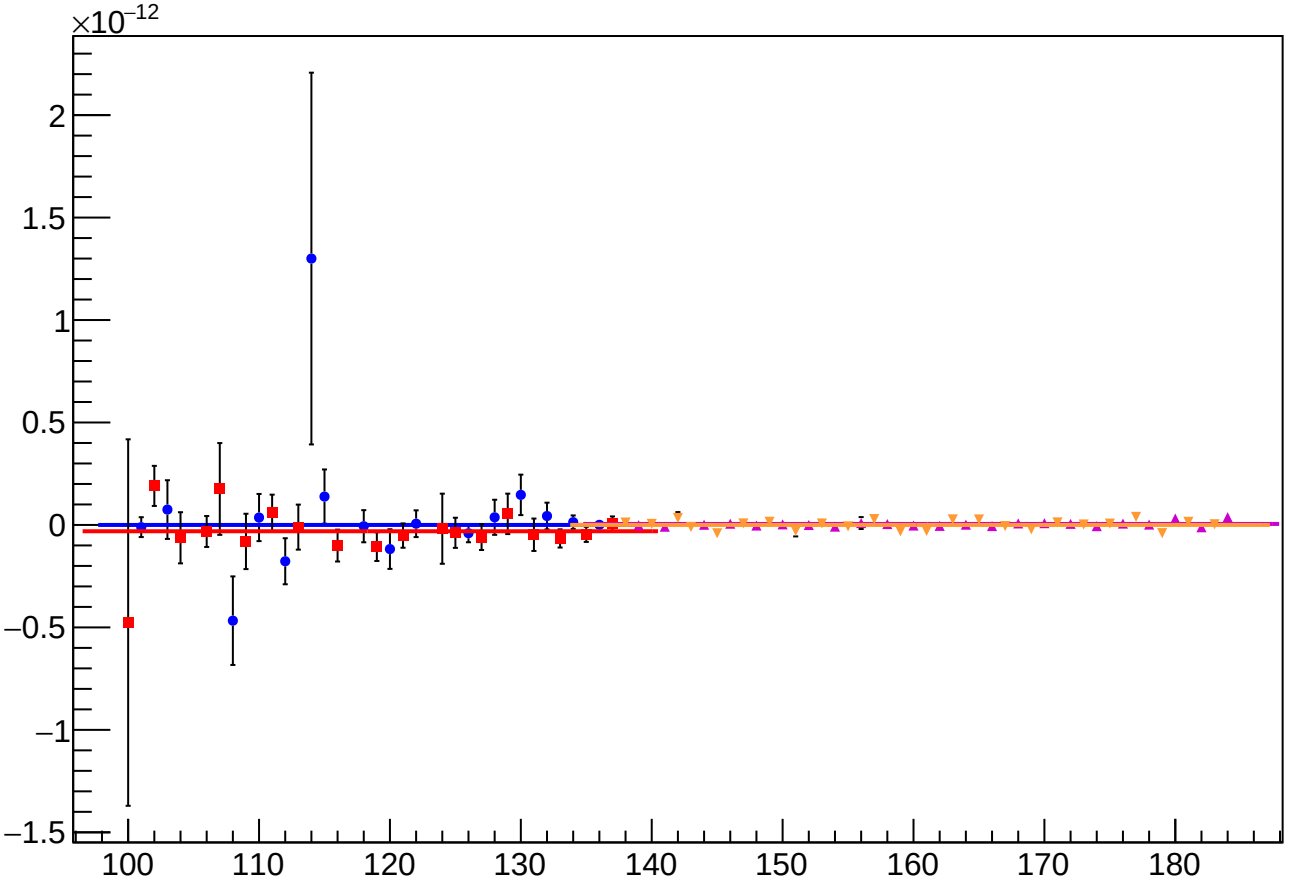
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1924.623+/-0.268 χ^2/NDF: 1055539.8/39

All: 1929.163+/-0.191 χ^2/NDF: 2249807.9/81

- sign 1933.867+/-0.273 χ^2/NDF: 1193682.6/41

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

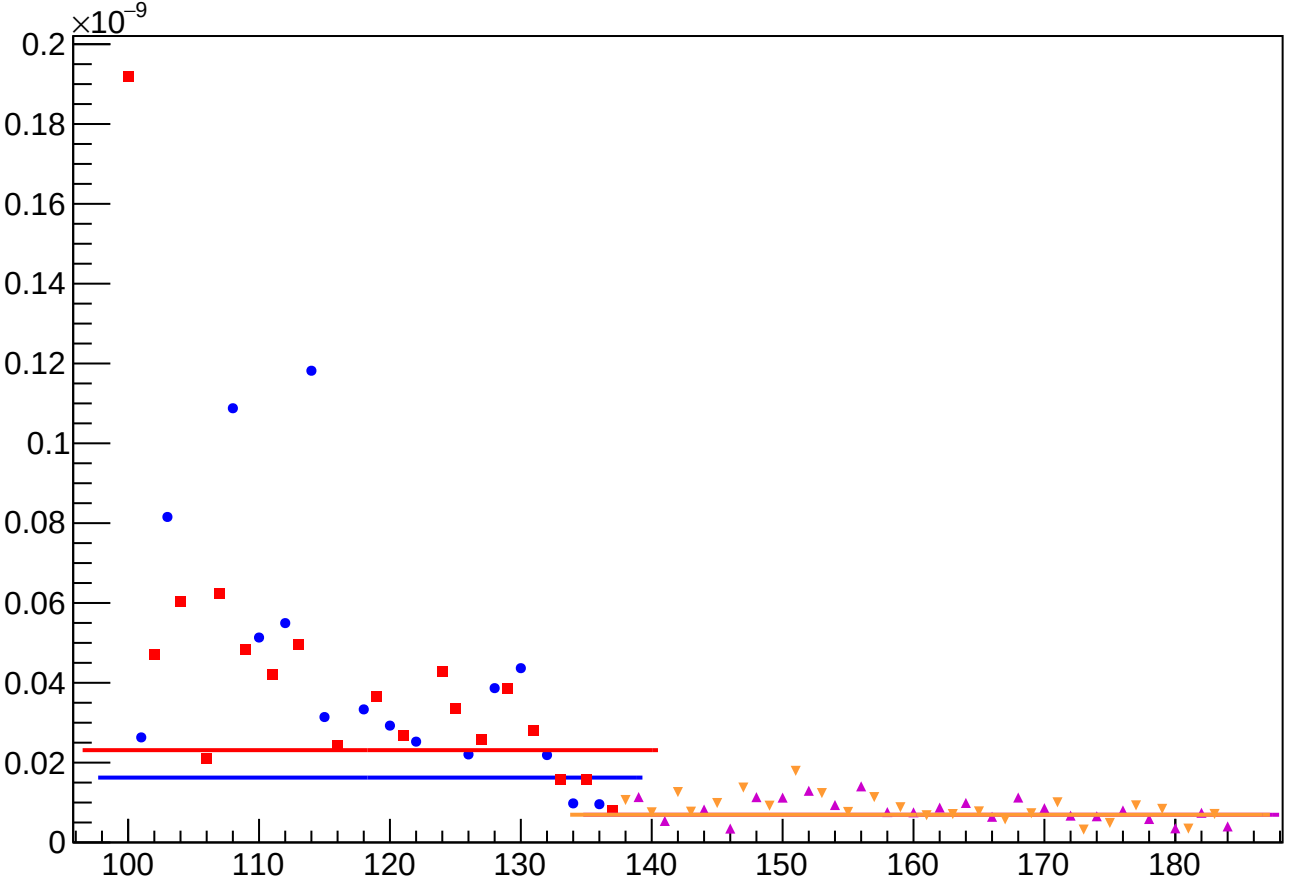
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/39

All: 0.000+/-0.000 χ^2/NDF: 92.5/81

- sign 0.000+/-0.000 χ^2/NDF: 34.7/41

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

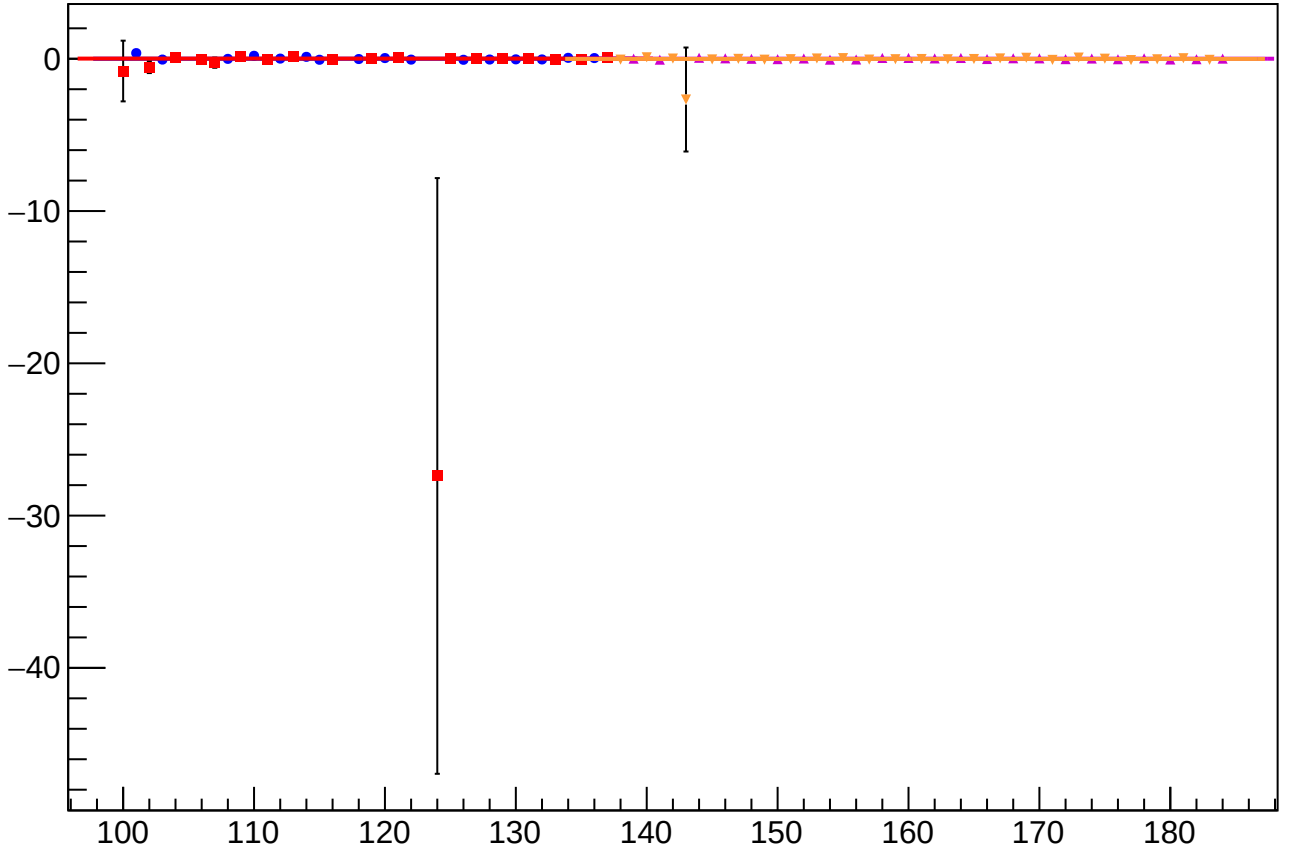
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5251358.4/39

All: 0.000+/-0.000 χ^2/NDF: 10184718.4/81

- sign 0.000+/-0.000 χ^2/NDF: 4933288.0/41

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

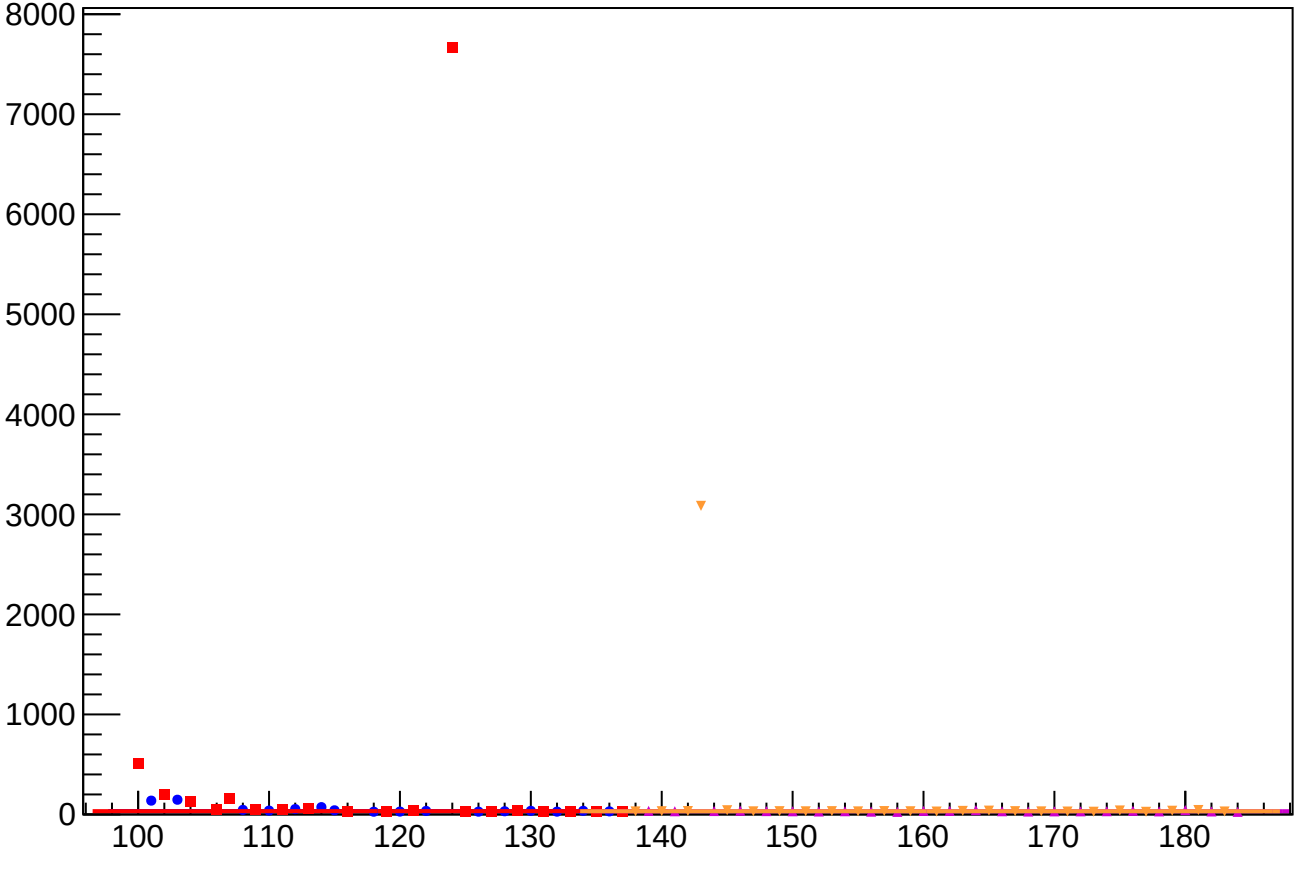
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 60.5/39

All: -0.001+/-0.005 χ^2/NDF: 97.4/81

- sign 0.005+/-0.007 χ^2/NDF: 35.3/41

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

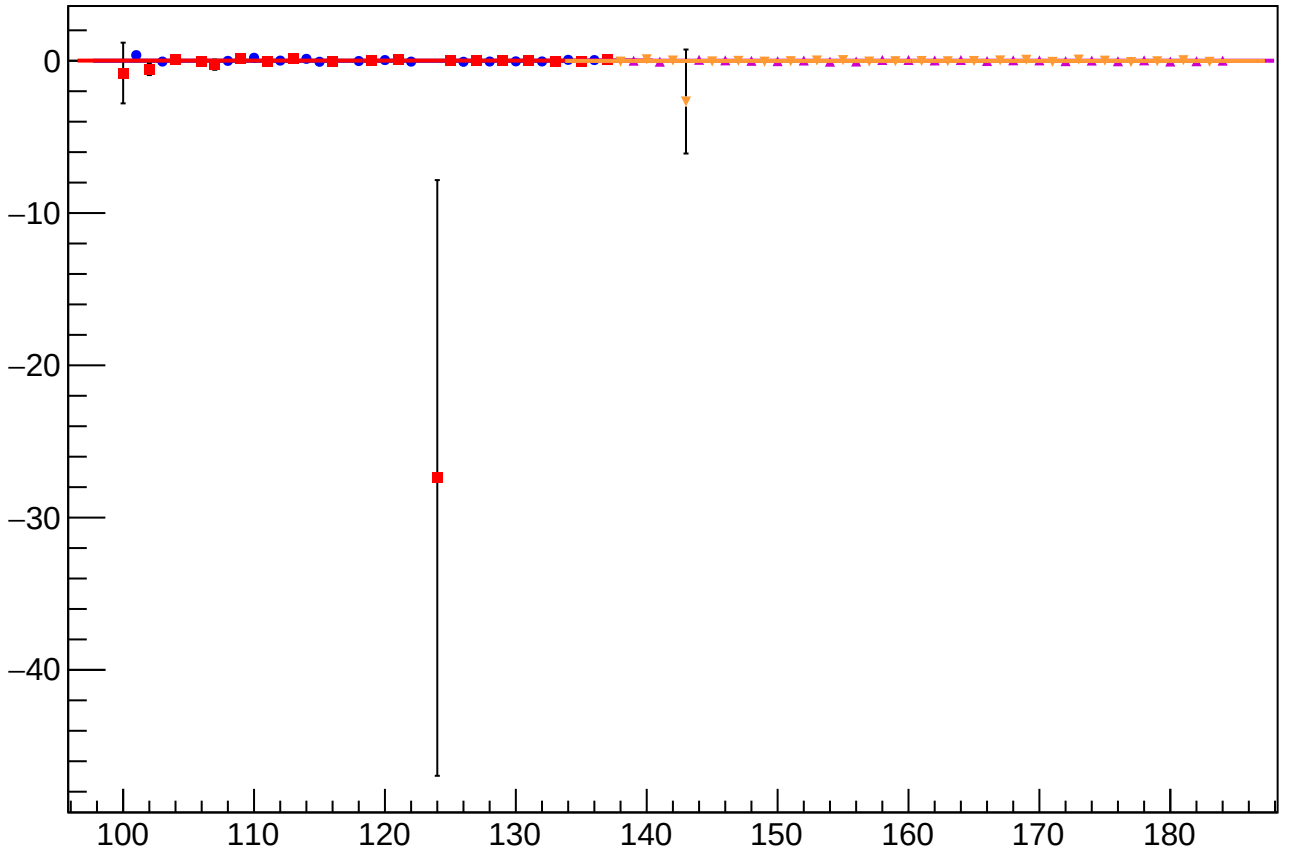
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.611+/-0.005 χ^2/NDF: 3798738.0/39

All: 32.595+/-0.004 χ^2/NDF: 6302996.1/81

- sign 32.578+/-0.005 χ^2/NDF: 2504238.0/41



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

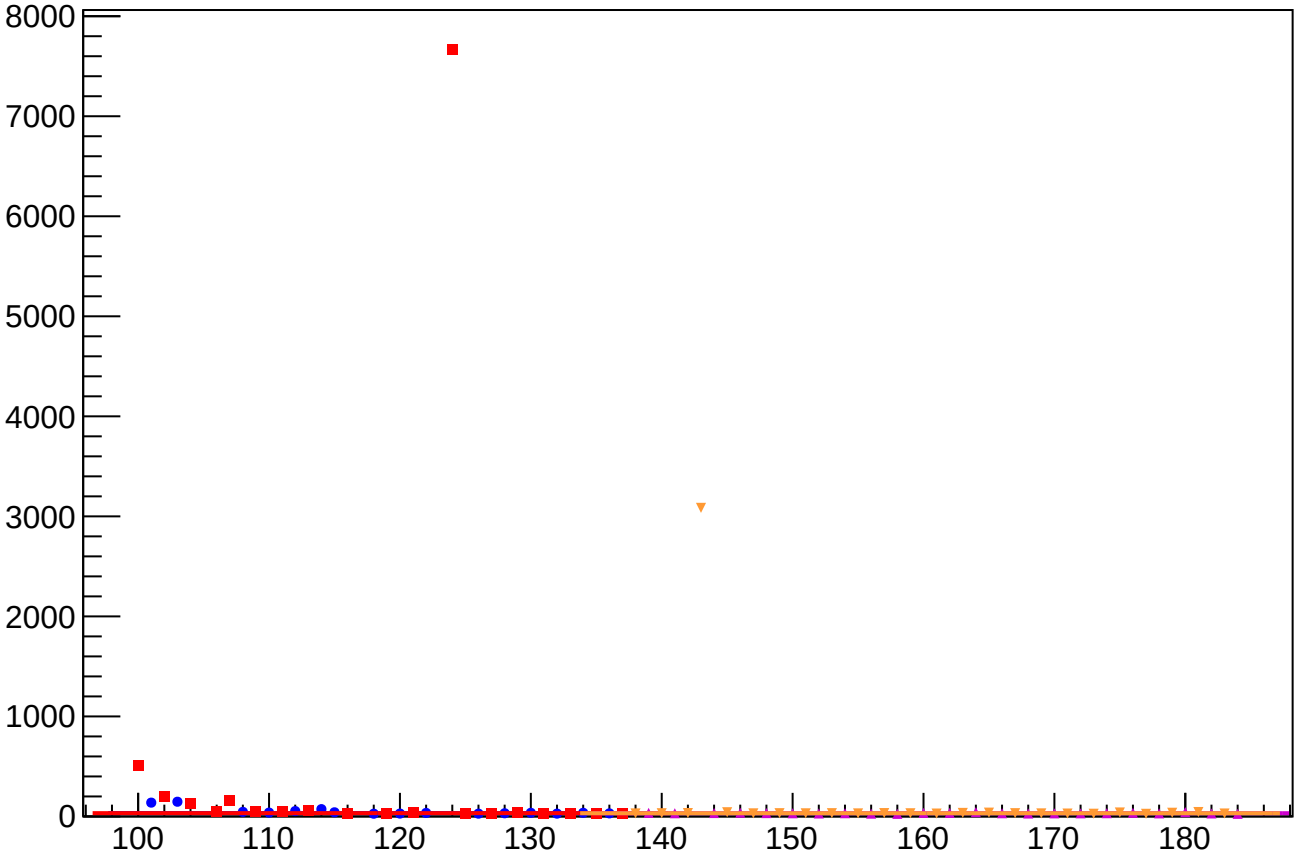
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 60.5/39

All: -0.001+/-0.005 χ^2/NDF: 97.4/81

\- sign 0.005+/-0.007 χ^2/NDF: 35.3/41

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

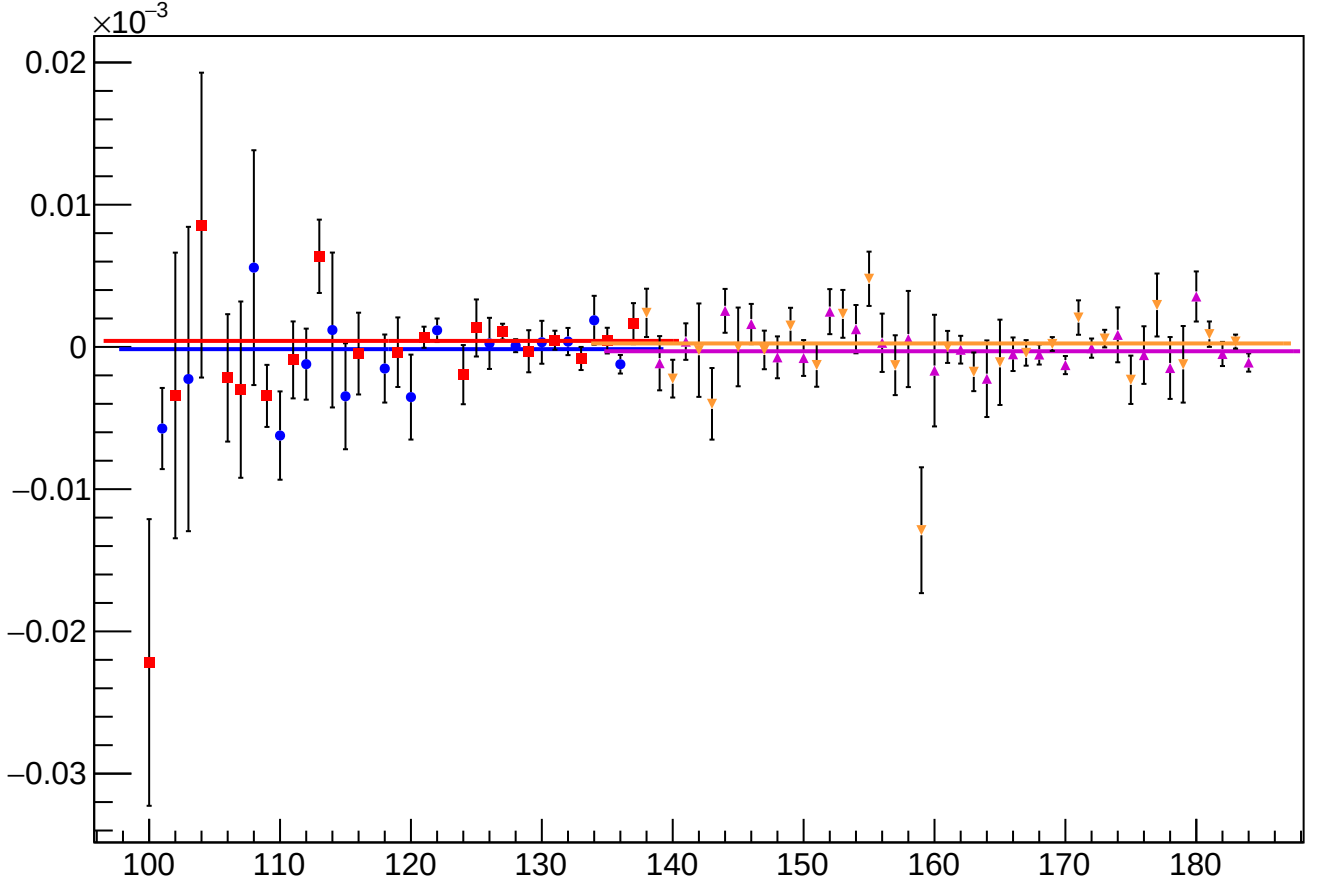
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.611+/-0.005 χ^2/NDF: 3798738.0/39

All: 32.595+/-0.004 χ^2/NDF: 6302996.1/81

- sign 32.578+/-0.005 χ^2/NDF: 2504238.0/41

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

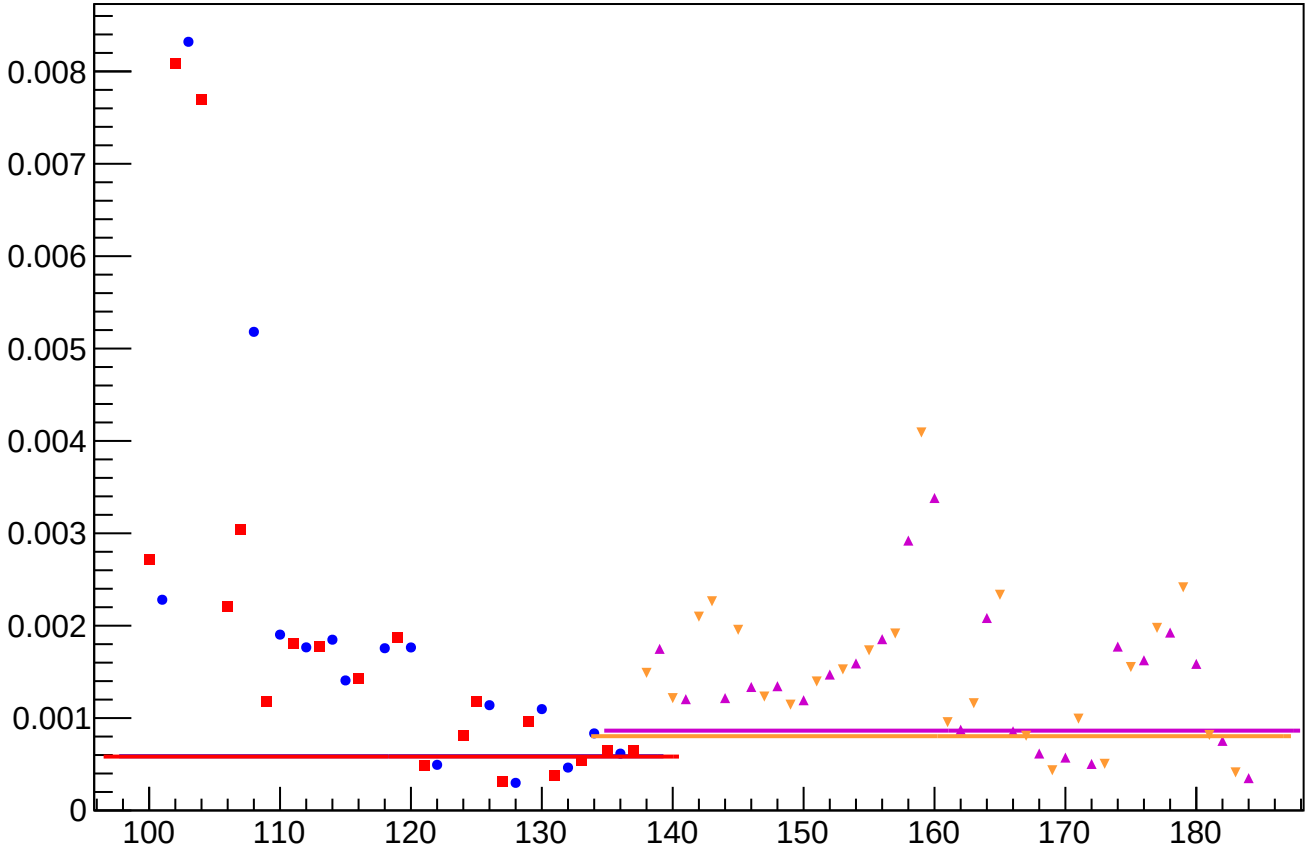
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.1/39

All: 0.000+/-0.000 χ^2/NDF: 101.9/81

- sign -0.000+/-0.000 χ^2/NDF: 45.6/41

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

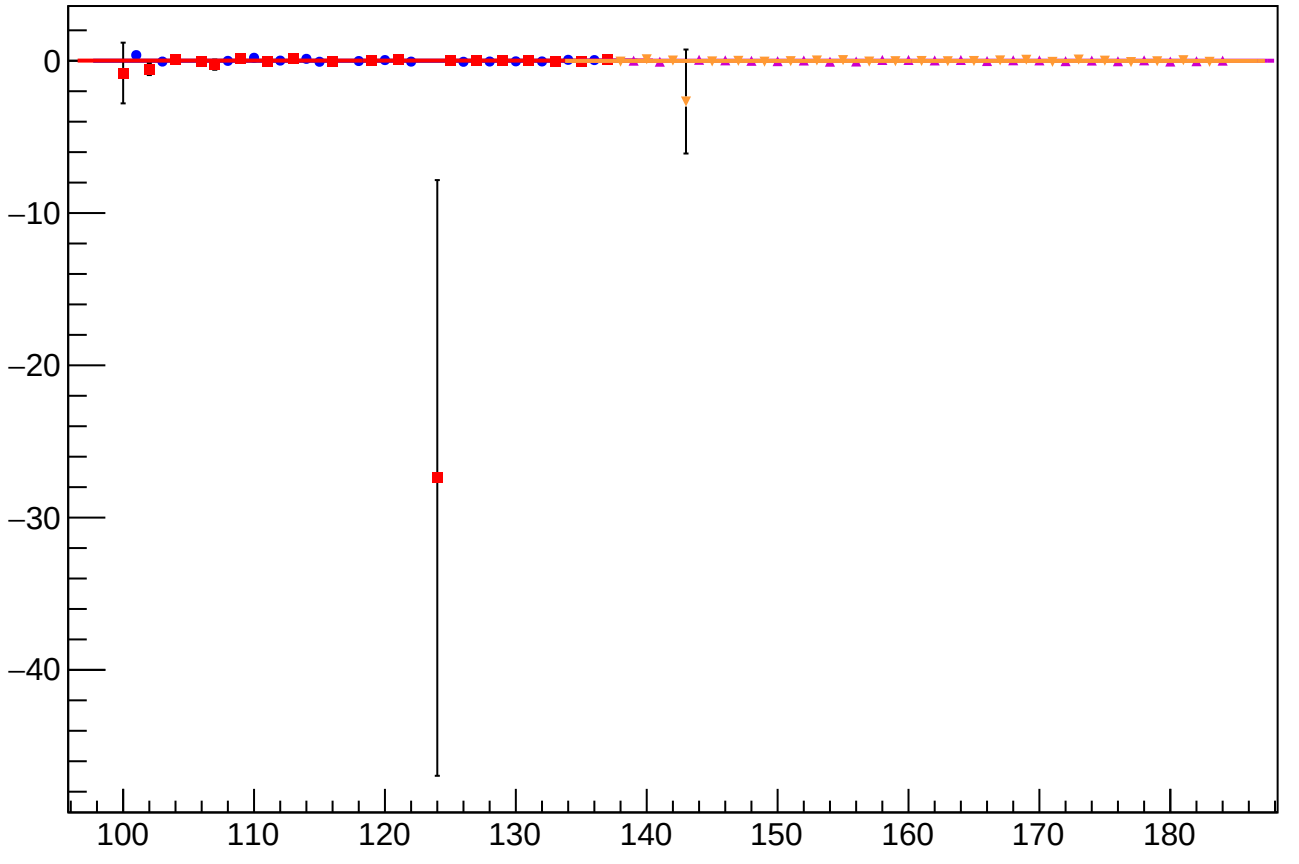
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16481411.0/39

All: 0.001+/-0.000 χ^2/NDF: 31508853.2/81

- sign 0.001+/-0.000 χ^2/NDF: 15010712.1/41



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

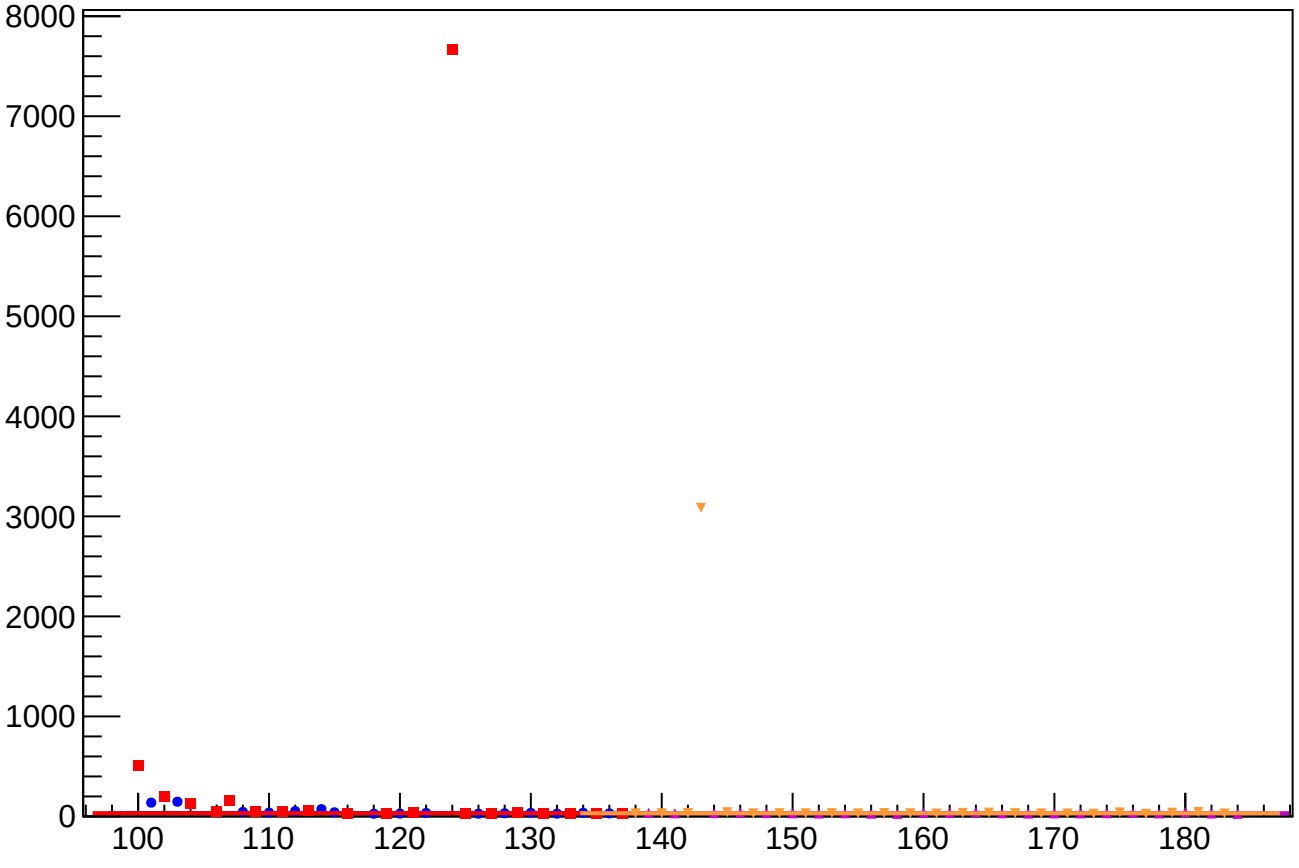
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 60.5/39

All: -0.001+/-0.005 χ^2/NDF: 97.4/81

\- sign 0.005+/-0.007 χ^2/NDF: 35.3/41

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

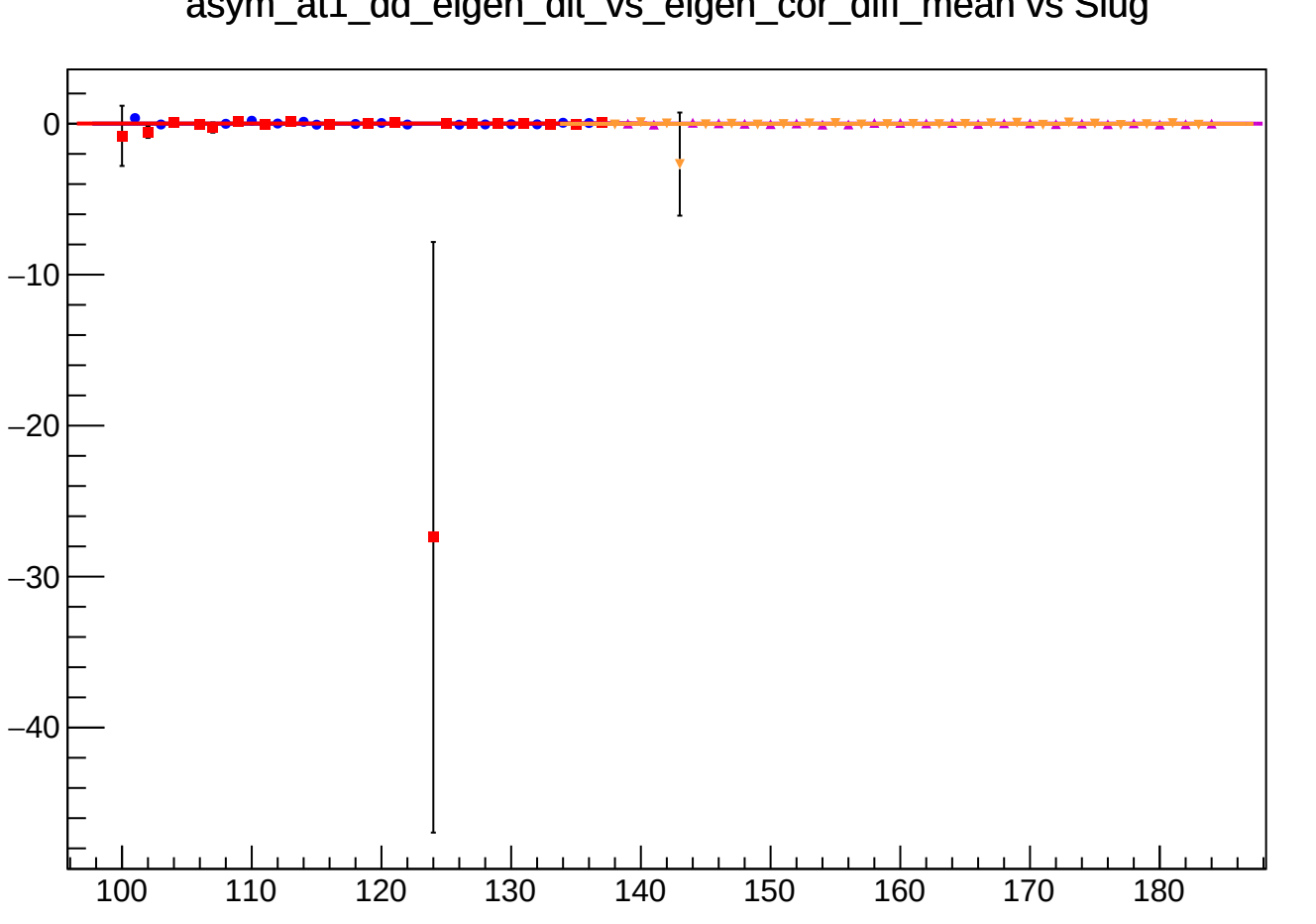
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.611+/-0.005 χ^2/NDF: 3798771.0/39

All: 32.595+/-0.004 χ^2/NDF: 6302923.6/81

- sign 32.579+/-0.005 χ^2/NDF: 2504132.9/41



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

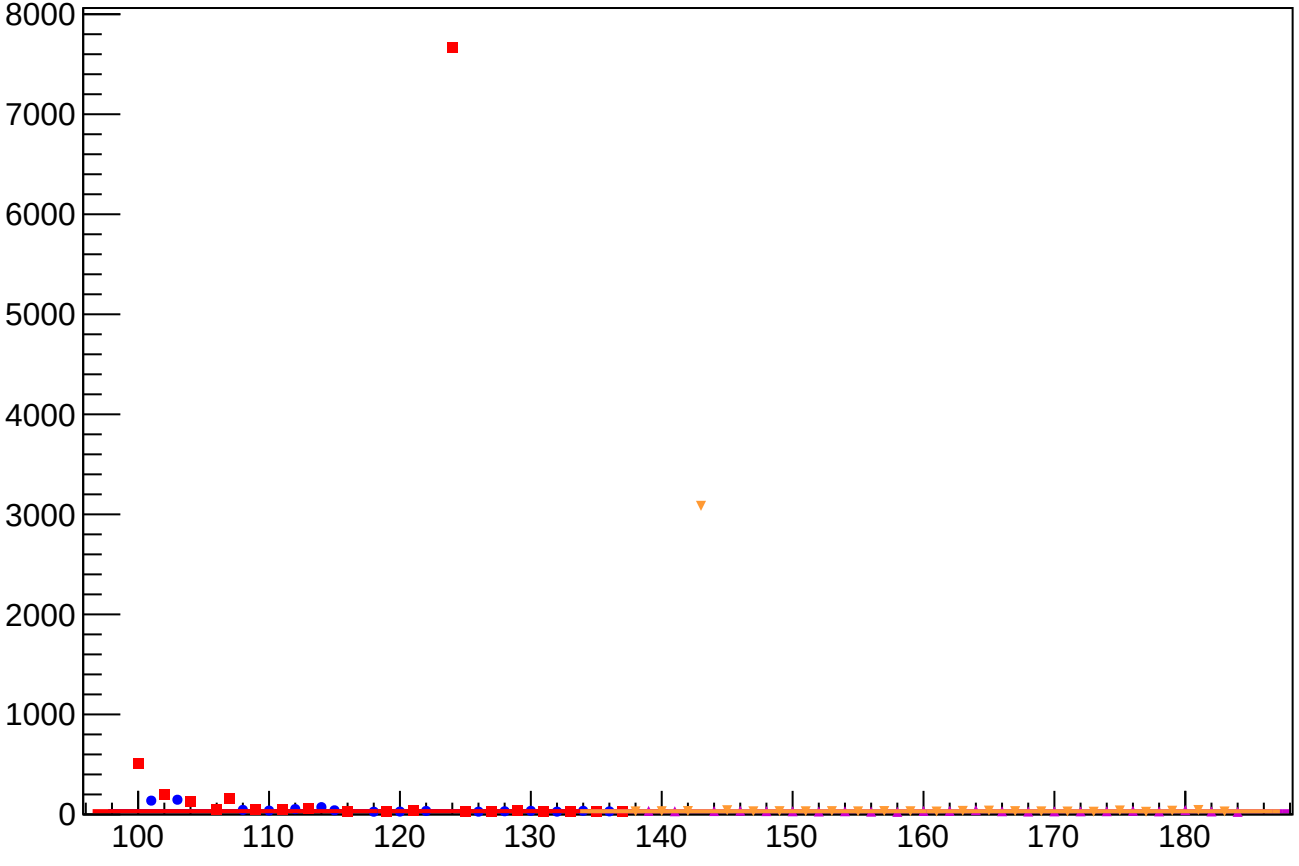
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 60.5/39

All: -0.001+/-0.005 χ^2/NDF: 97.4/81

- sign 0.005+/-0.007 χ^2/NDF: 35.3/41

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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Left Out: 32.158+/-0.006 χ^2/NDF:2056334.7/23

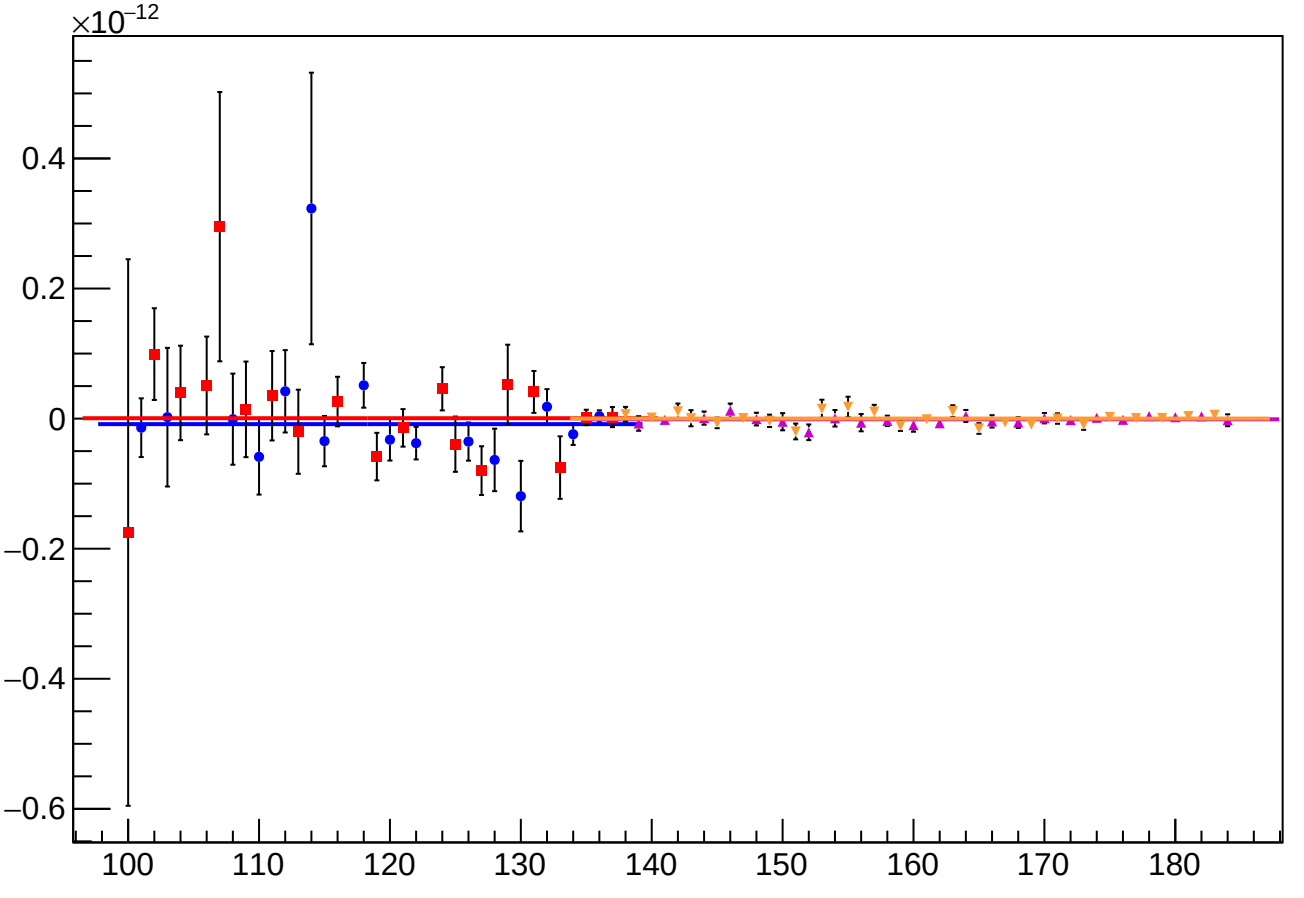
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.611+/-0.005 χ^2/NDF: 3798771.0/39

All: 32.595+/-0.004 χ^2/NDF: 6302923.6/81

- sign 32.579+/-0.005 χ^2/NDF: 2504132.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/23

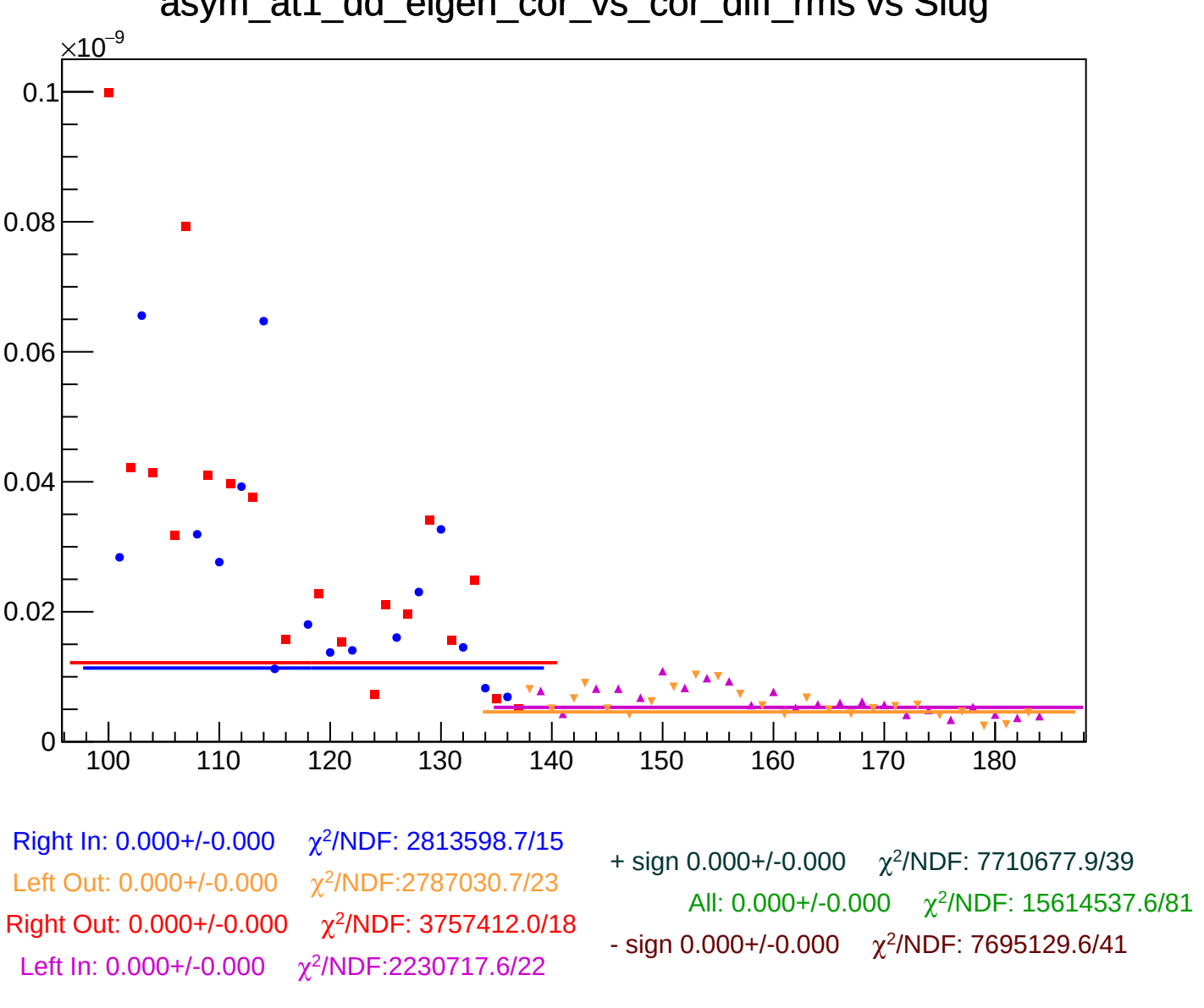
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

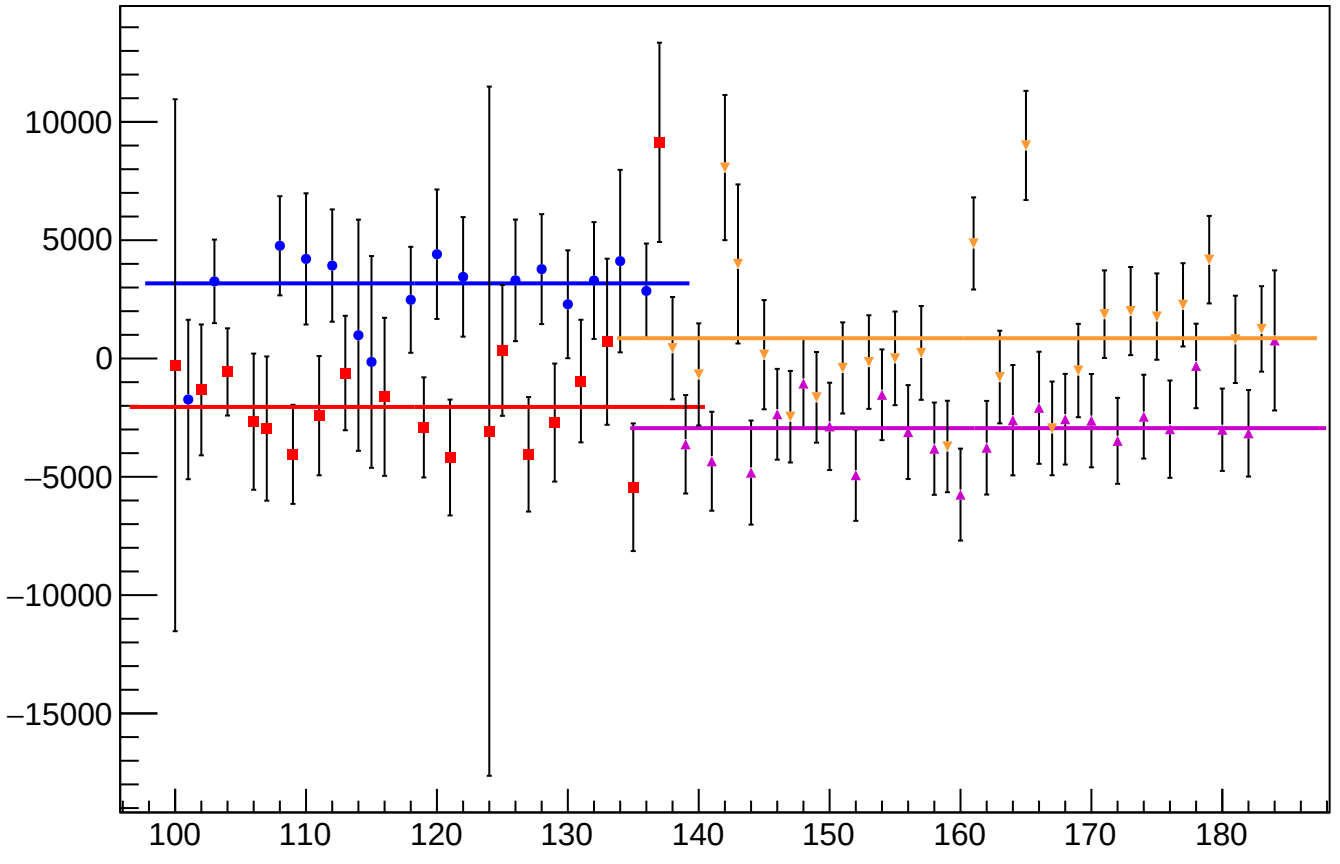
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/39

All: -0.000+/-0.000 χ^2/NDF: 72.1/81

- sign -0.000+/-0.000 χ^2/NDF: 30.0/41


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:2230717.6/22
+ sign 0.000+/-0.000 χ²/NDF: 7710677.9/39
All: 0.000+/-0.000 χ²/NDF: 15614537.6/81
- sign 0.000+/-0.000 χ²/NDF: 7695129.6/41



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

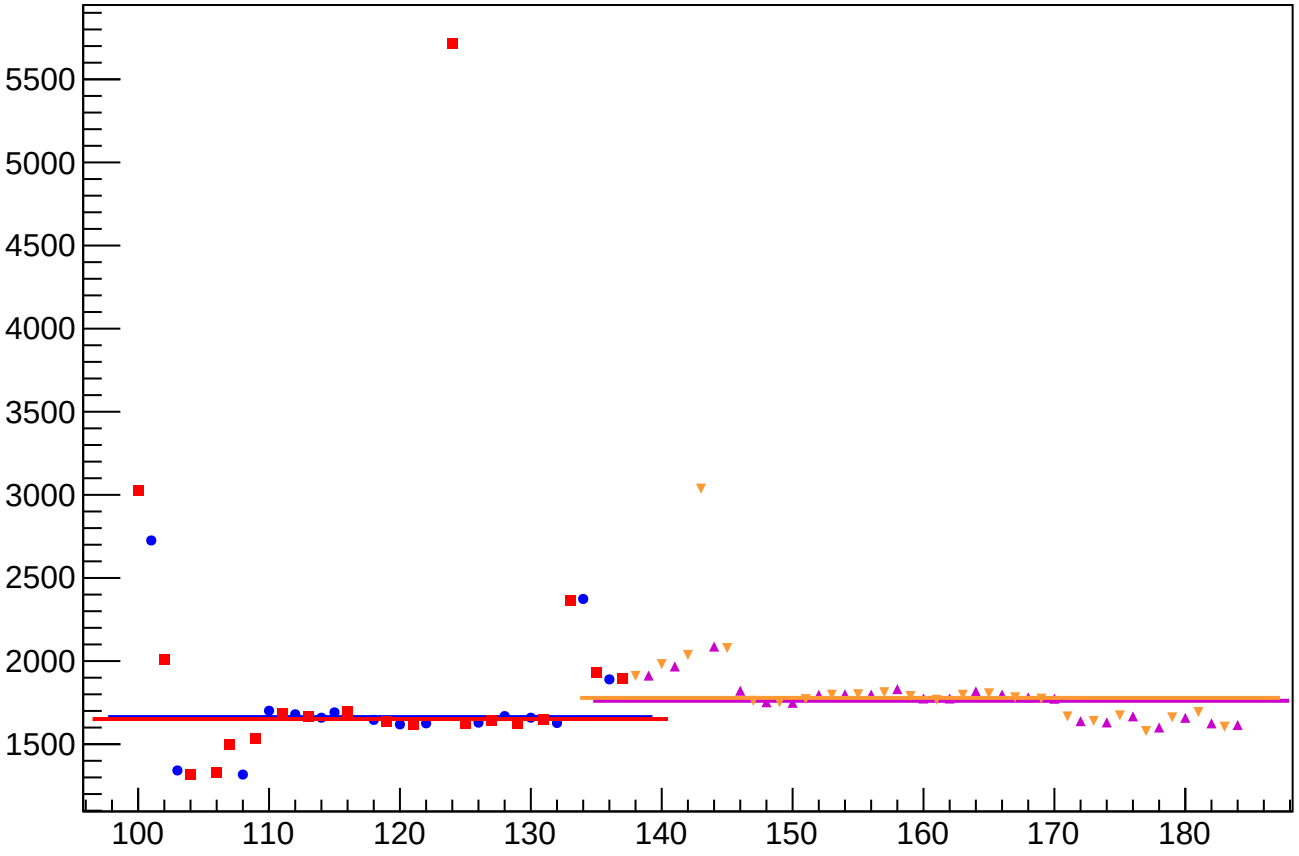
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1548.665+/-342.793 χ^2/NDF: 58.6/39

All: -556.558+/-242.619 χ^2/NDF: 160.2/81

- sign -2669.715+/-343.438 χ^2/NDF: 26.0/41

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

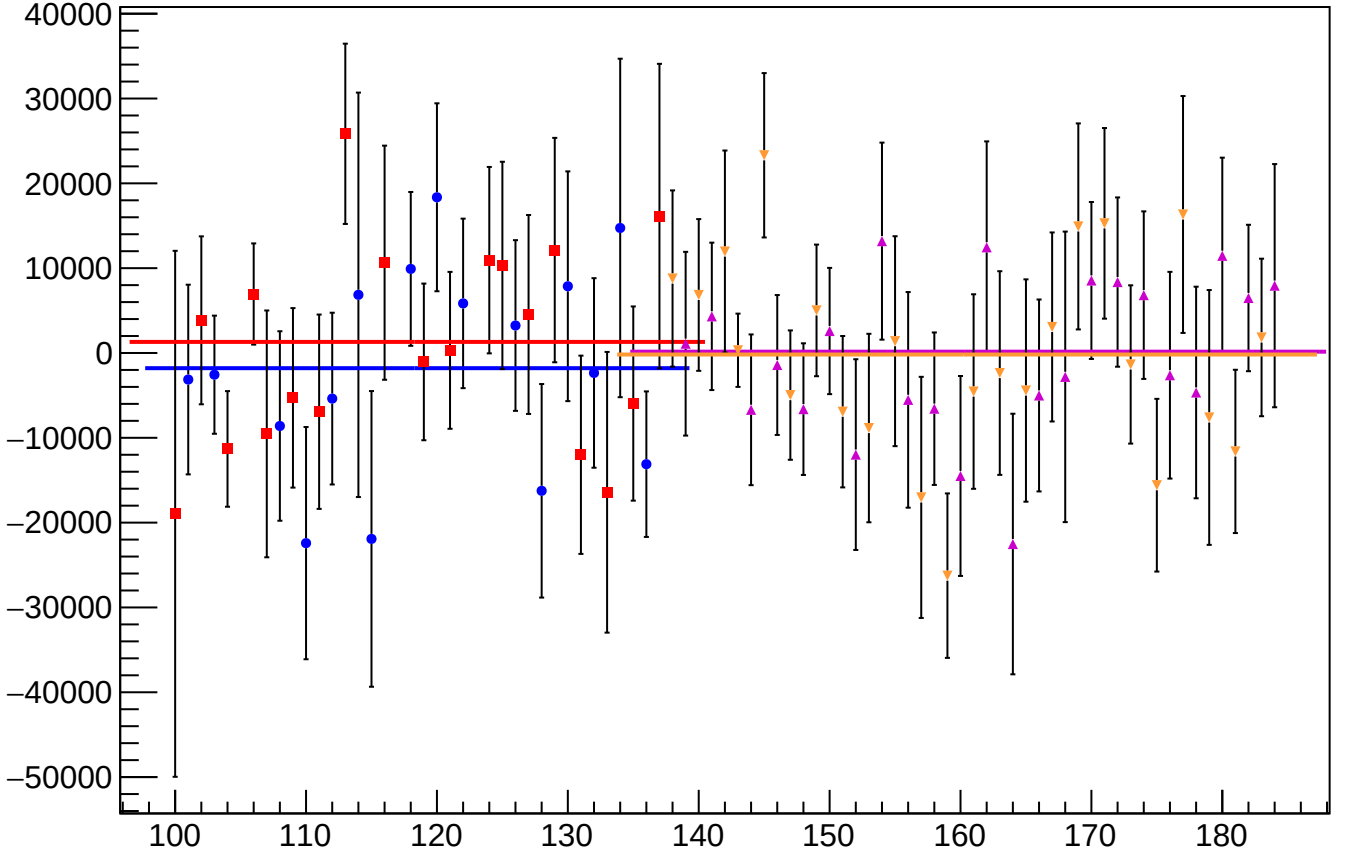
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1744.021+/-0.242 χ^2/NDF: 900574.2/39

All: 1735.811+/-0.172 χ^2/NDF: 1524440.9/81

- sign 1727.570+/-0.243 χ^2/NDF: 621567.7/41

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

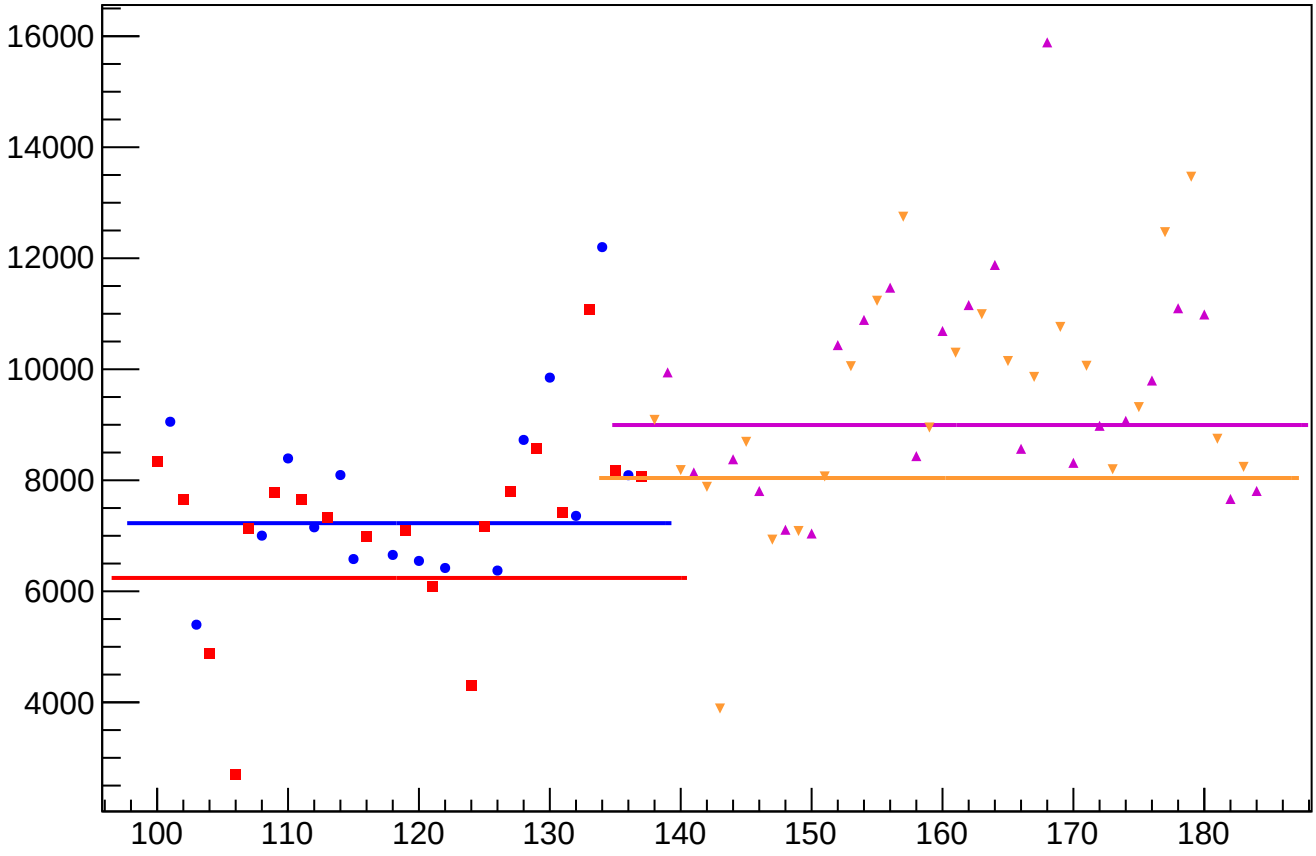
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -717.172+/-1583.669 χ^2/NDF: 42.7/39

All: -39.385+/-1128.152 χ^2/NDF: 74.8/81

- sign 658.948+/-1607.494 χ^2/NDF: 31.7/41

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

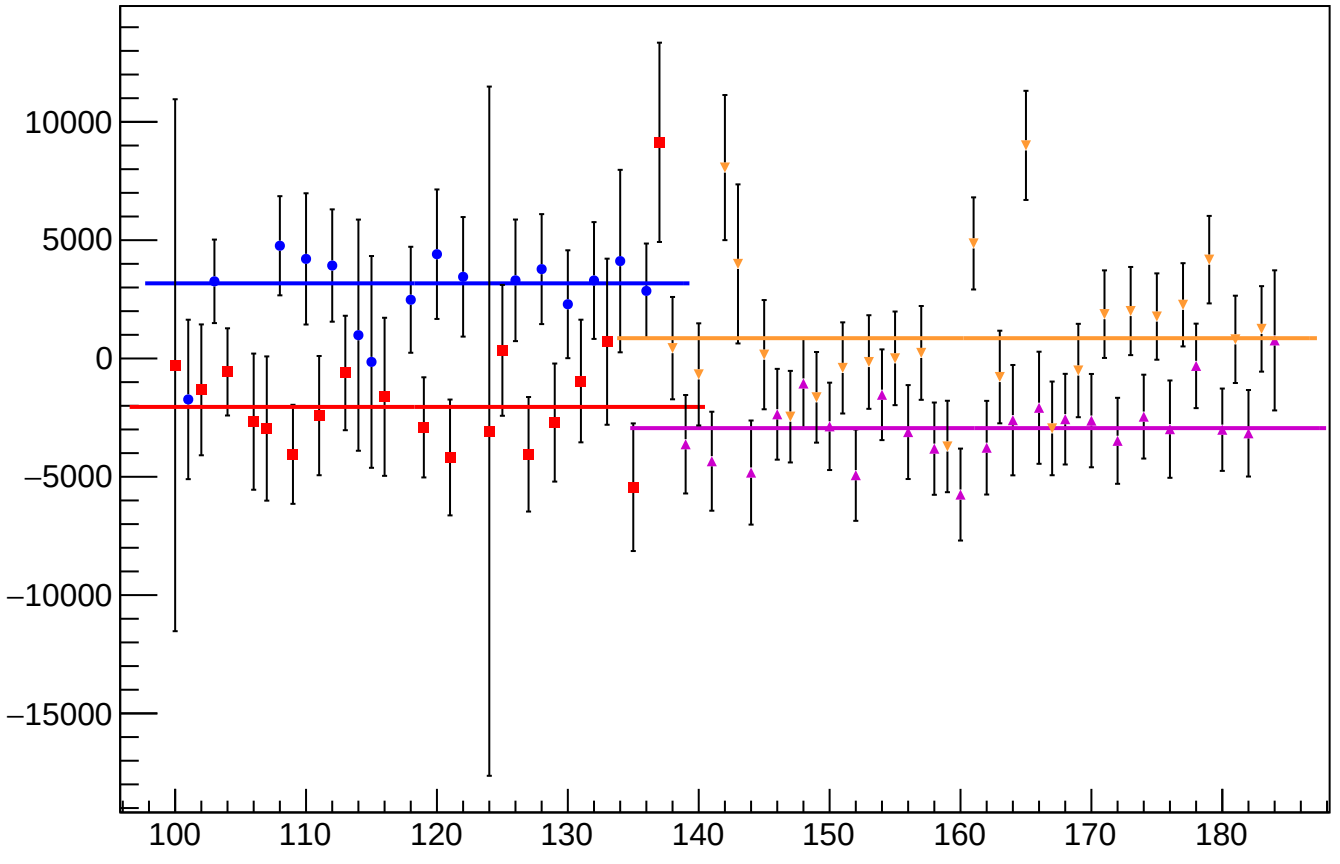
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7770.057+/-1.120 χ^2/NDF: 3983072.3/39

All: 7779.903+/-0.798 χ^2/NDF: 8035265.4/81

- sign 7790.046+/-1.137 χ^2/NDF: 4052036.2/41



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

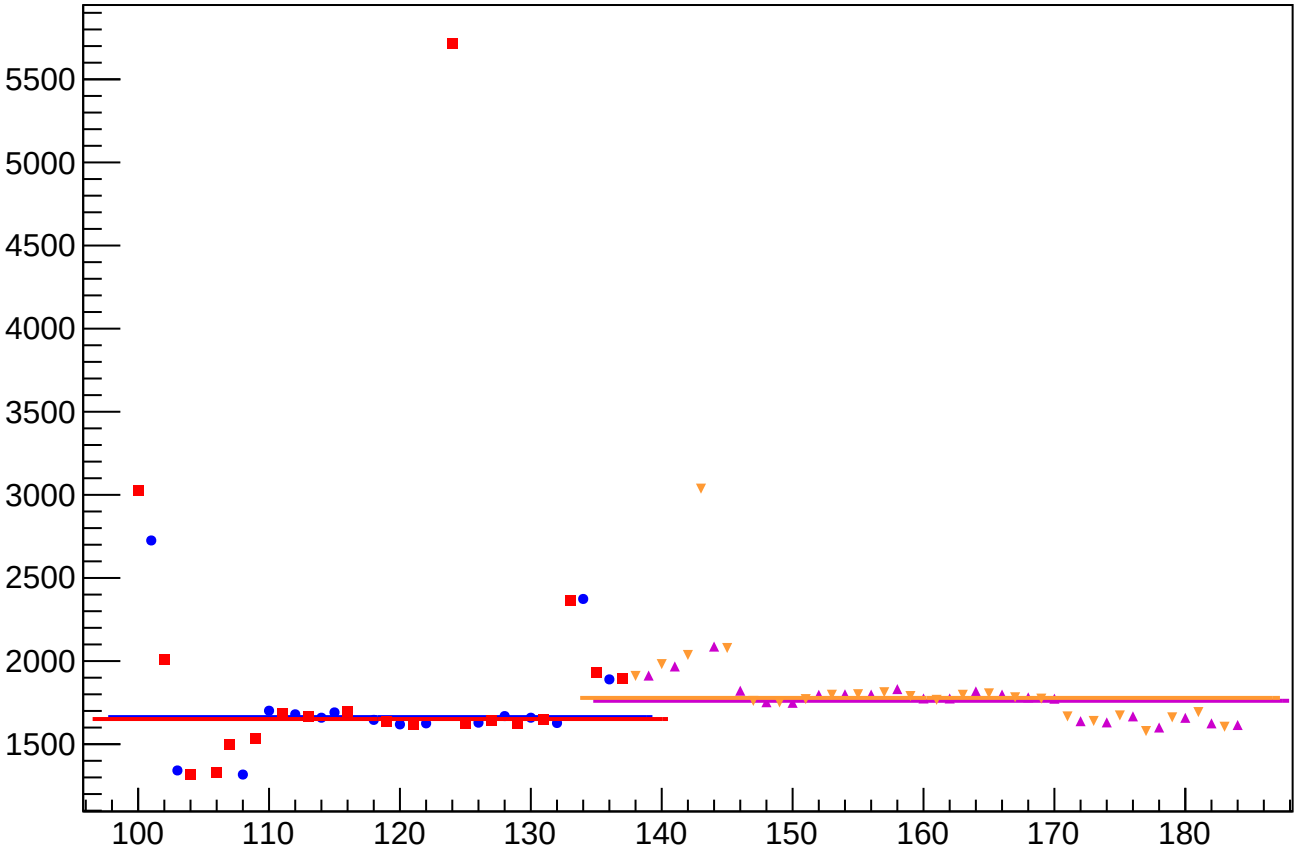
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1548.631+/-342.793 χ^2/NDF: 58.6/39

All: -556.506+/-242.619 χ^2/NDF: 160.2/81

- sign -2669.577+/-343.438 χ^2/NDF: 26.0/41

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

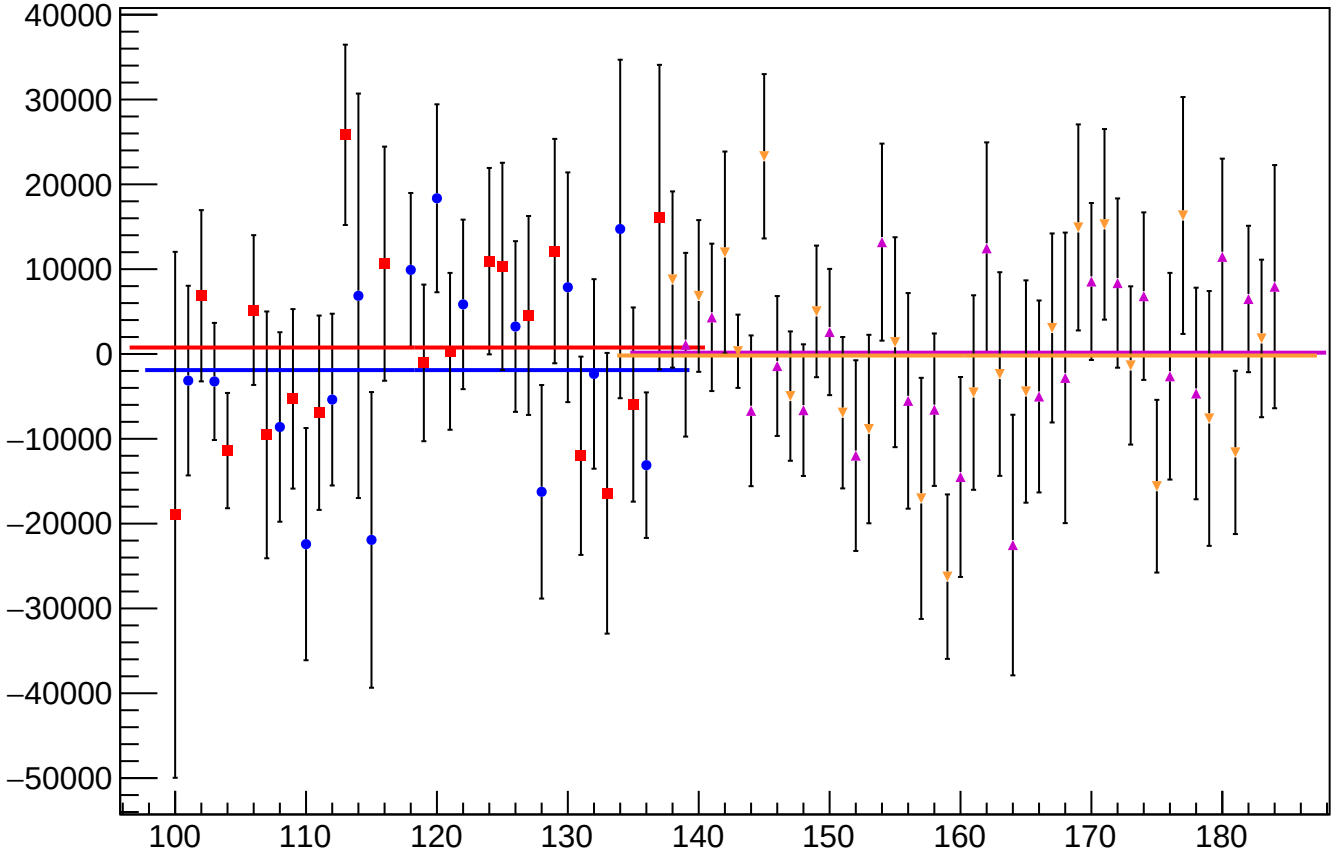
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1744.021+/-0.242 χ^2/NDF: 900574.7/39

All: 1735.811+/-0.172 χ^2/NDF: 1524441.6/81

- sign 1727.570+/-0.243 χ^2/NDF: 621567.9/41

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

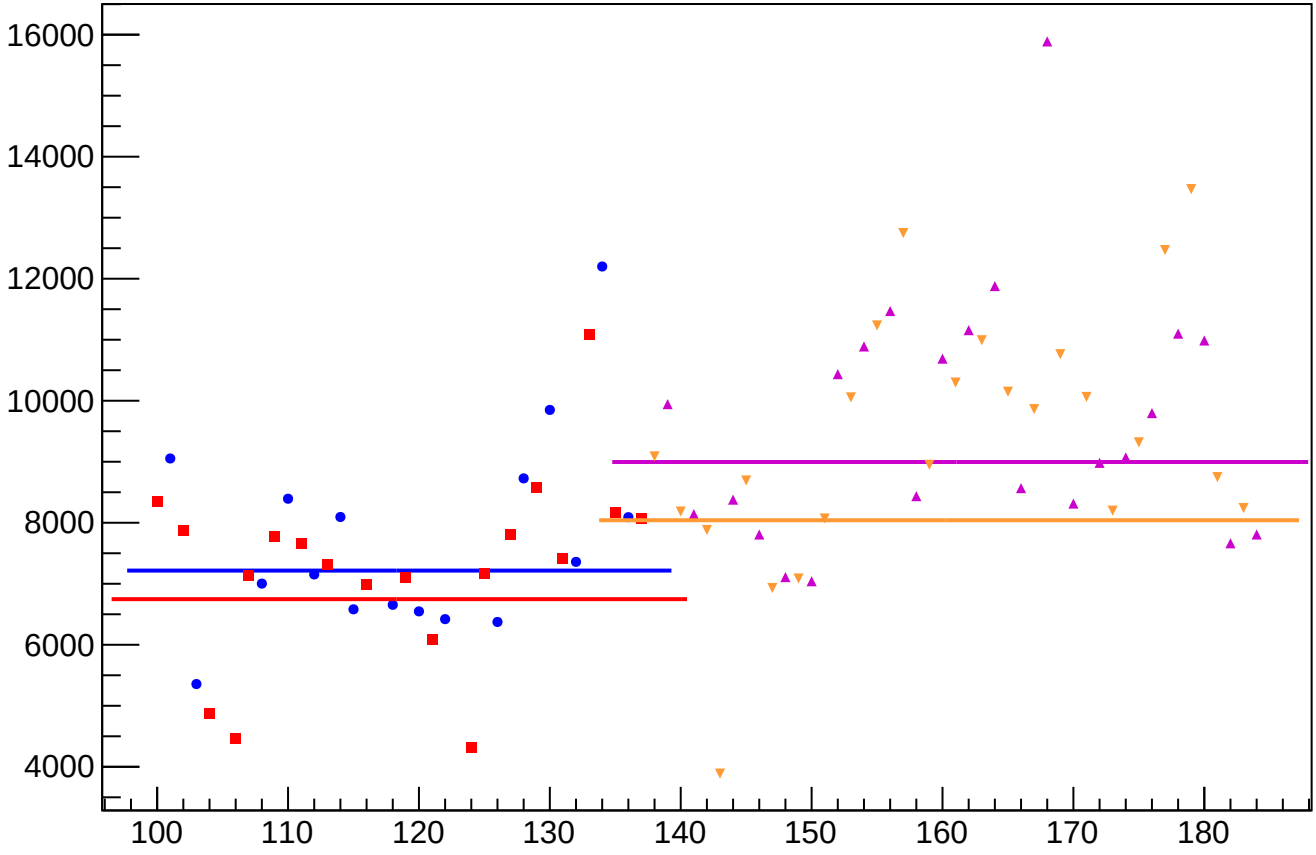
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -754.575+/-1582.961 χ^2/NDF: 42.8/39

All: -194.774+/-1139.219 χ^2/NDF: 74.2/81

\- sign 406.677+/-1640.792 χ^2/NDF: 31.1/41

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

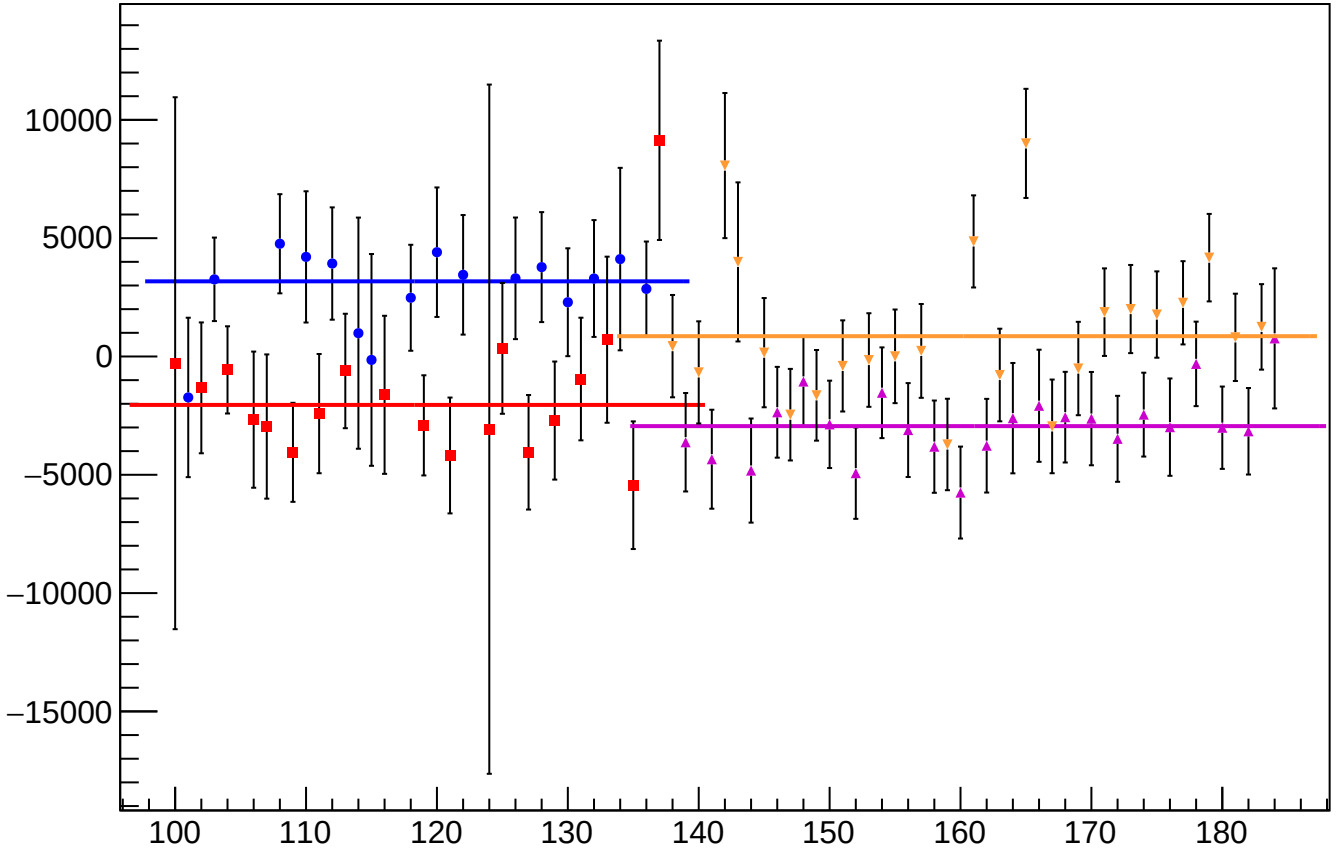
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7765.699+/-1.119 χ^2/NDF: 3995578.5/39

All: 7909.932+/-0.806 χ^2/NDF: 6856665.9/81

- sign 8064.896+/-1.160 χ^2/NDF: 2826643.5/41

eigen_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

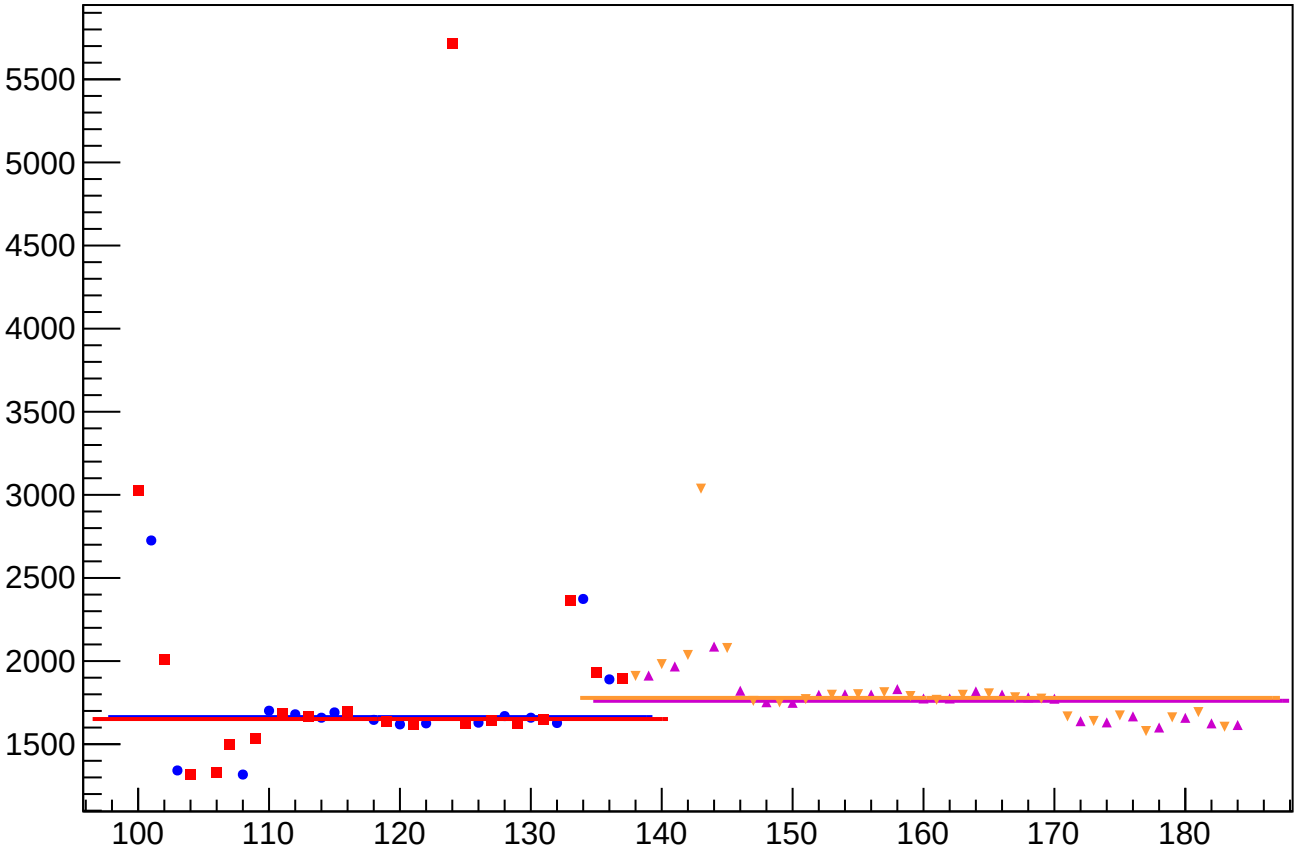
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1548.631+/-342.793 χ^2/NDF: 58.6/39

All: -556.506+/-242.619 χ^2/NDF: 160.2/81

- sign -2669.577+/-343.438 χ^2/NDF: 26.0/41

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

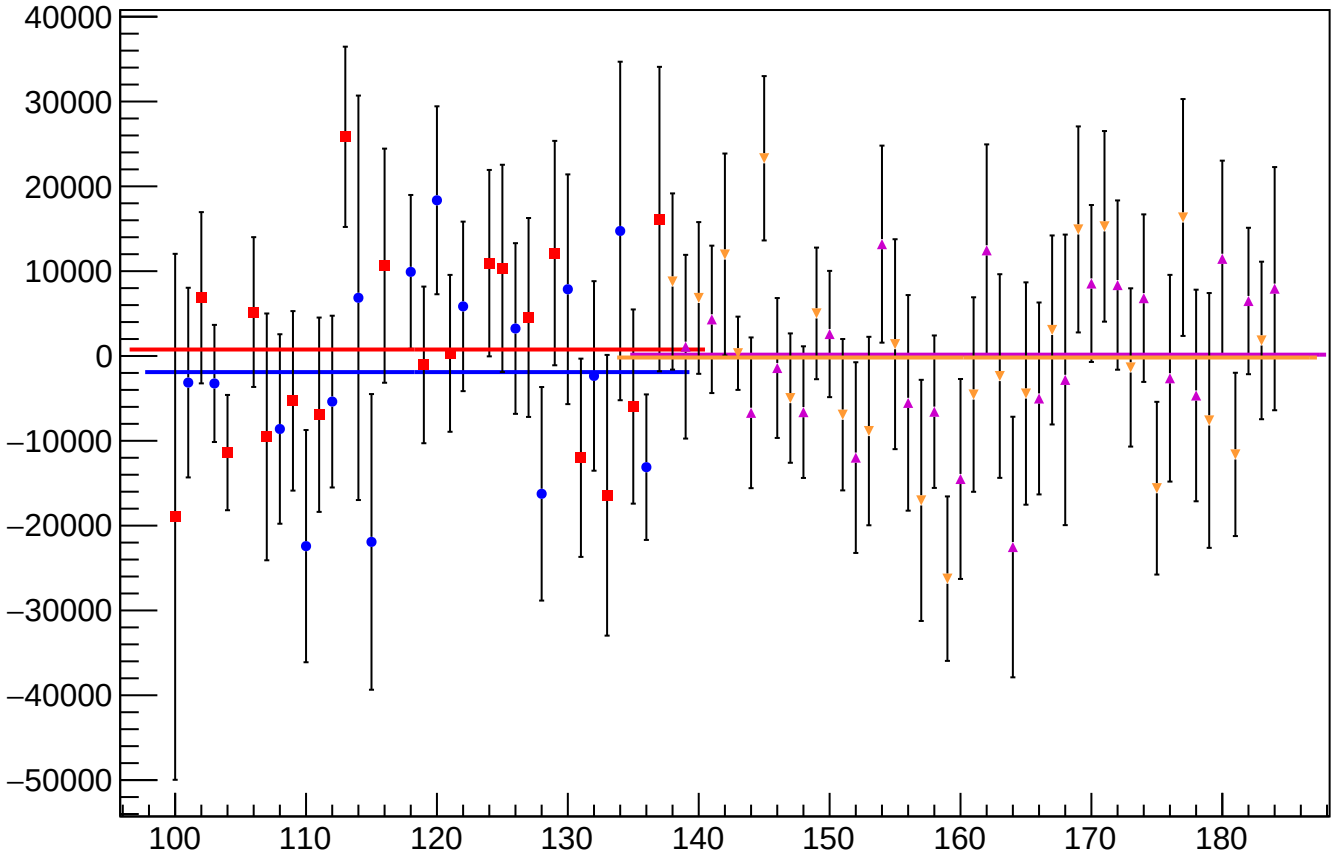
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1744.021+/-0.242 χ^2/NDF: 900574.7/39

All: 1735.811+/-0.172 χ^2/NDF: 1524441.6/81

- sign 1727.570+/-0.243 χ^2/NDF: 621567.9/41



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

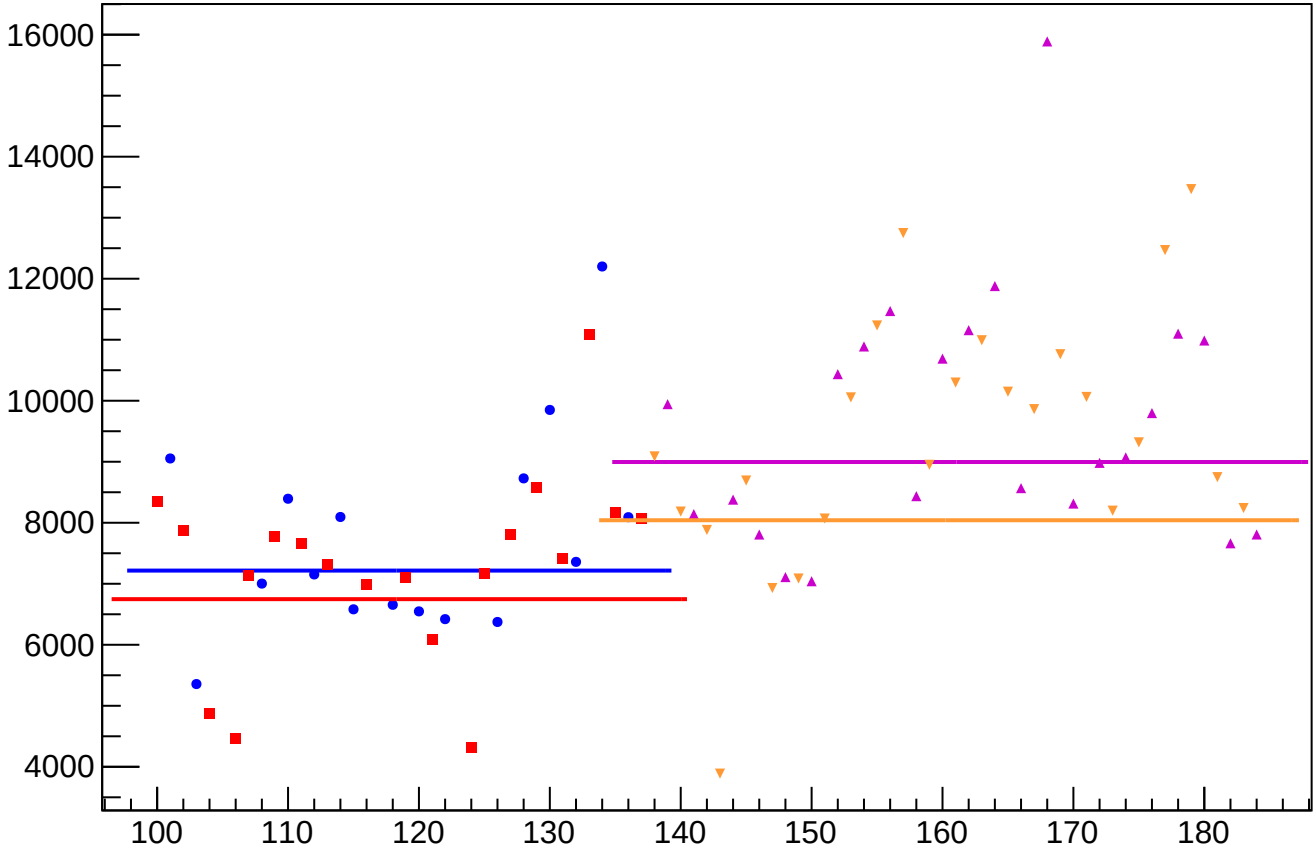
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -754.575+/-1582.961 χ^2/NDF: 42.8/39

All: -194.774+/-1139.219 χ^2/NDF: 74.2/81

- sign 406.677+/-1640.792 χ^2/NDF: 31.1/41

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

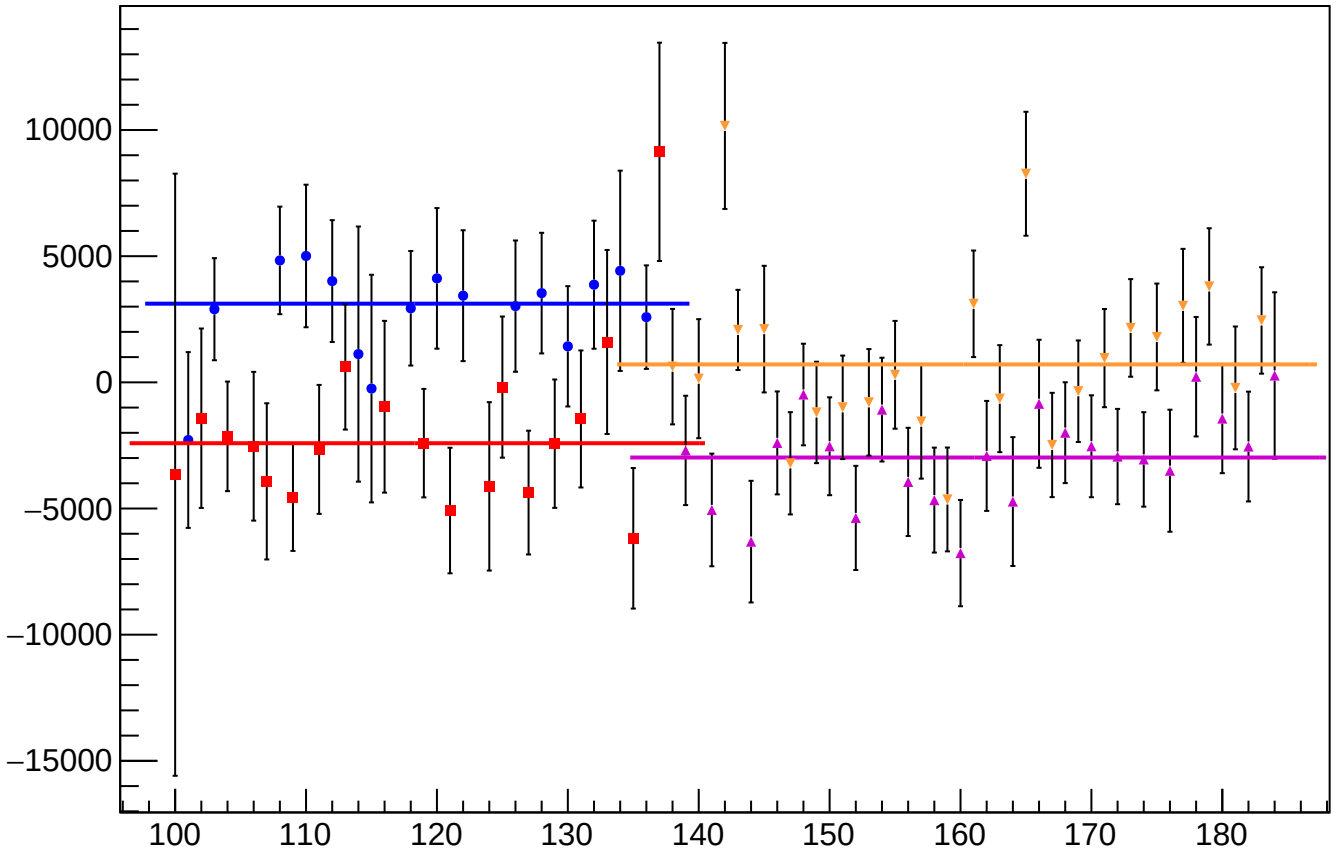
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7765.699+/-1.119 χ^2/NDF: 3995578.5/39

All: 7909.932+/-0.806 χ^2/NDF: 6856665.9/81

- sign 8064.896+/-1.160 χ^2/NDF: 2826643.5/41



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

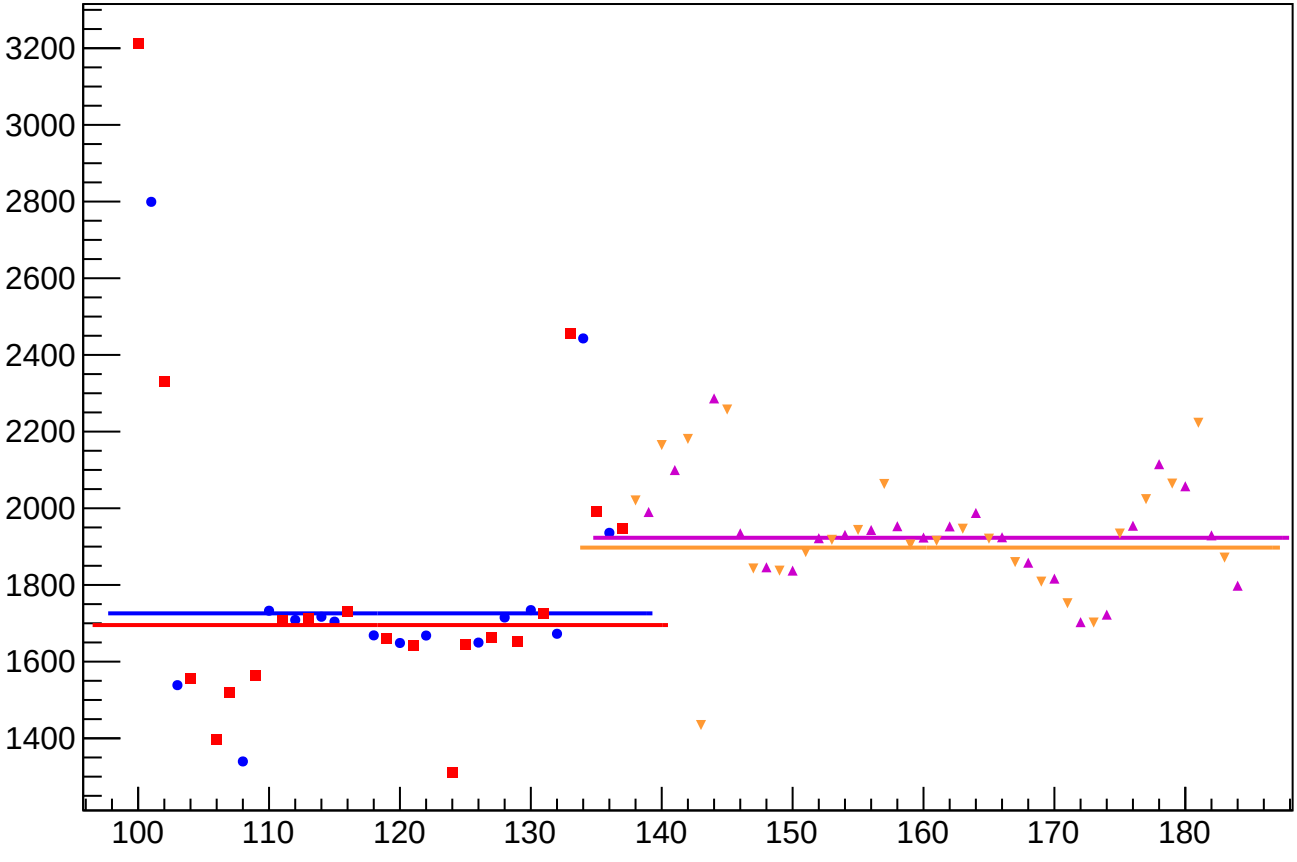
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1456.978+/-362.536 χ^2/NDF: 56.1/39

All: -634.692+/-258.300 χ^2/NDF: 155.8/81

- sign -2791.155+/-368.109 χ^2/NDF: 32.1/41

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

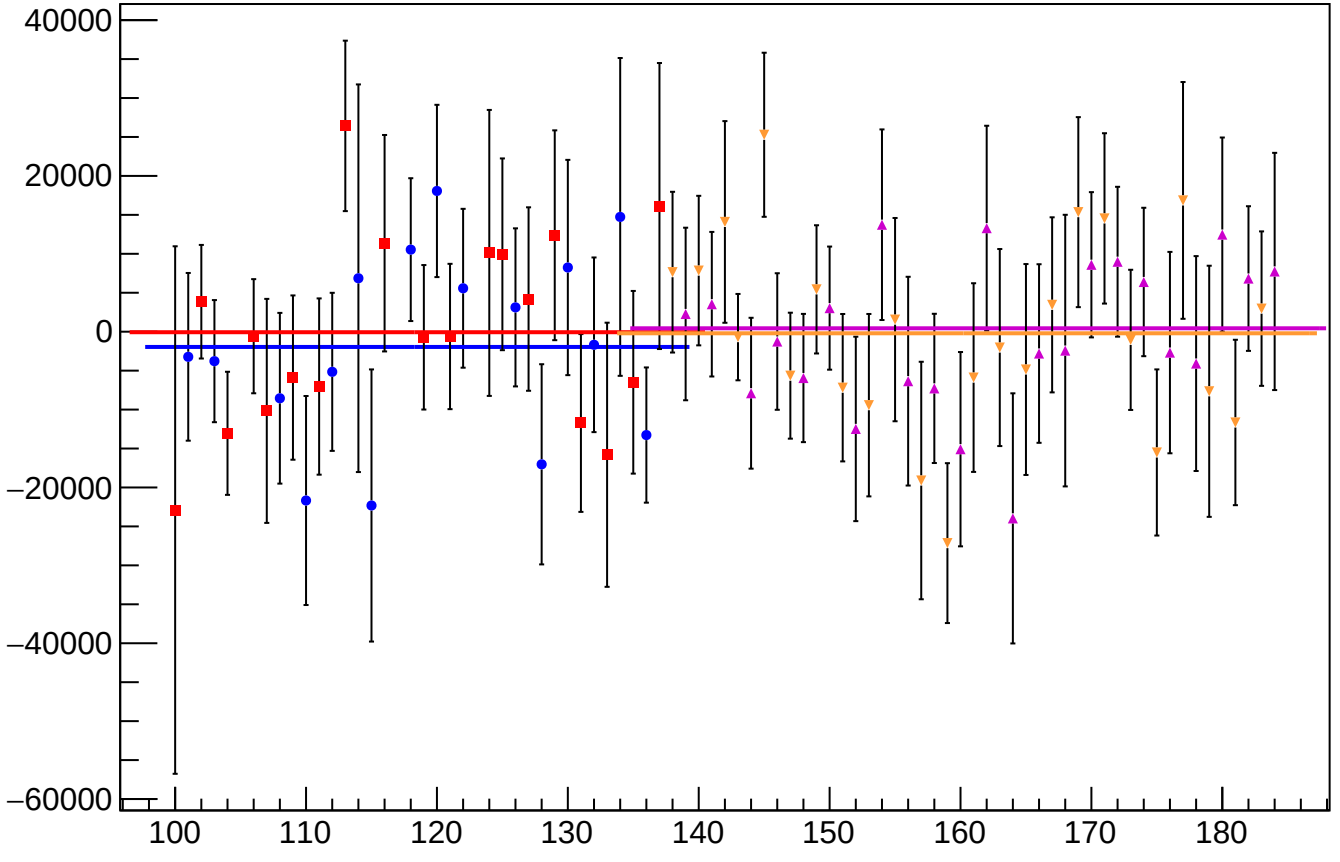
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1844.273+/-0.256 χ^2/NDF: 825065.2/39

All: 1845.841+/-0.183 χ^2/NDF: 1431424.6/81

- sign 1847.458+/-0.260 χ^2/NDF: 606283.4/41

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

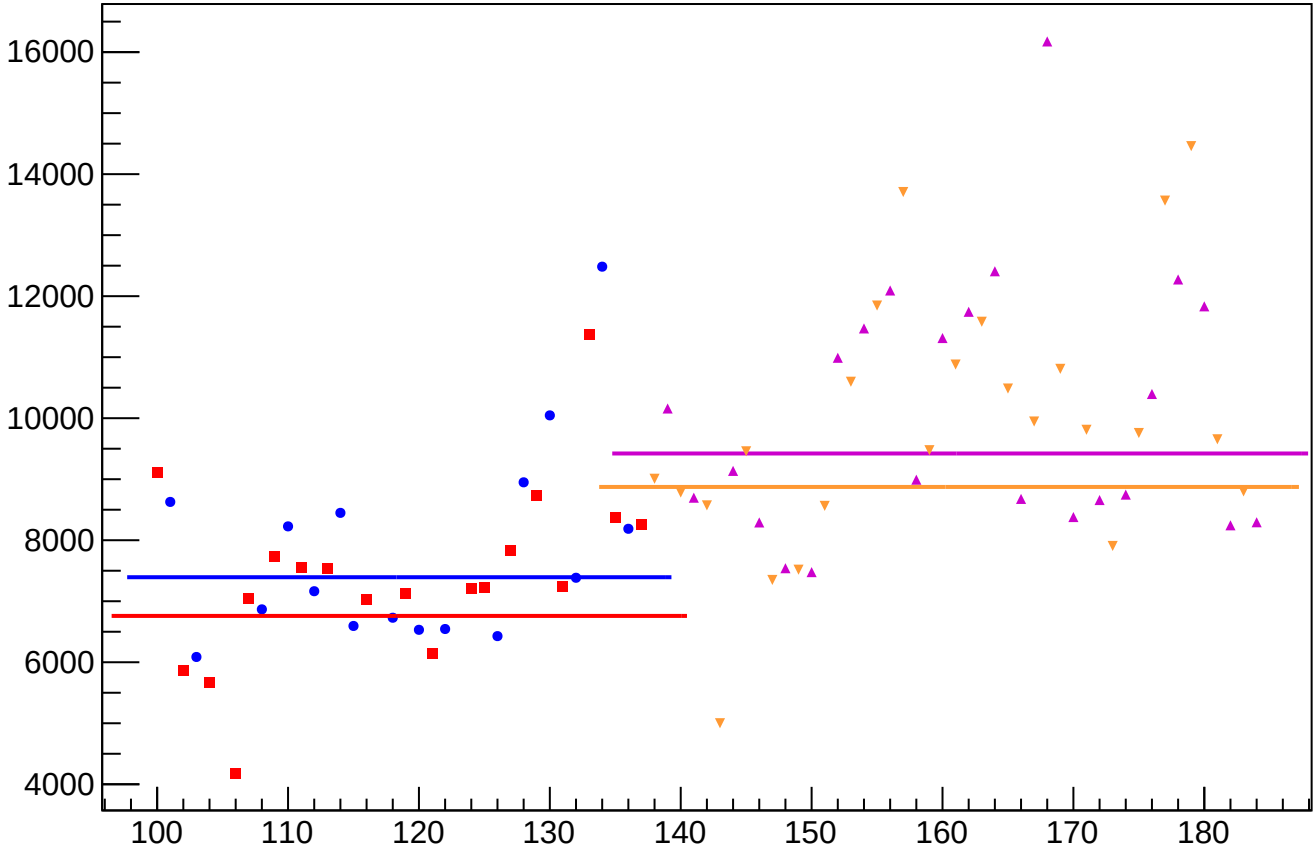
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -838.222+/-1681.830 χ^2/NDF: 42.3/39

All: -311.152+/-1188.285 χ^2/NDF: 72.1/81

- sign 214.240+/-1679.152 χ^2/NDF: 29.7/41

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

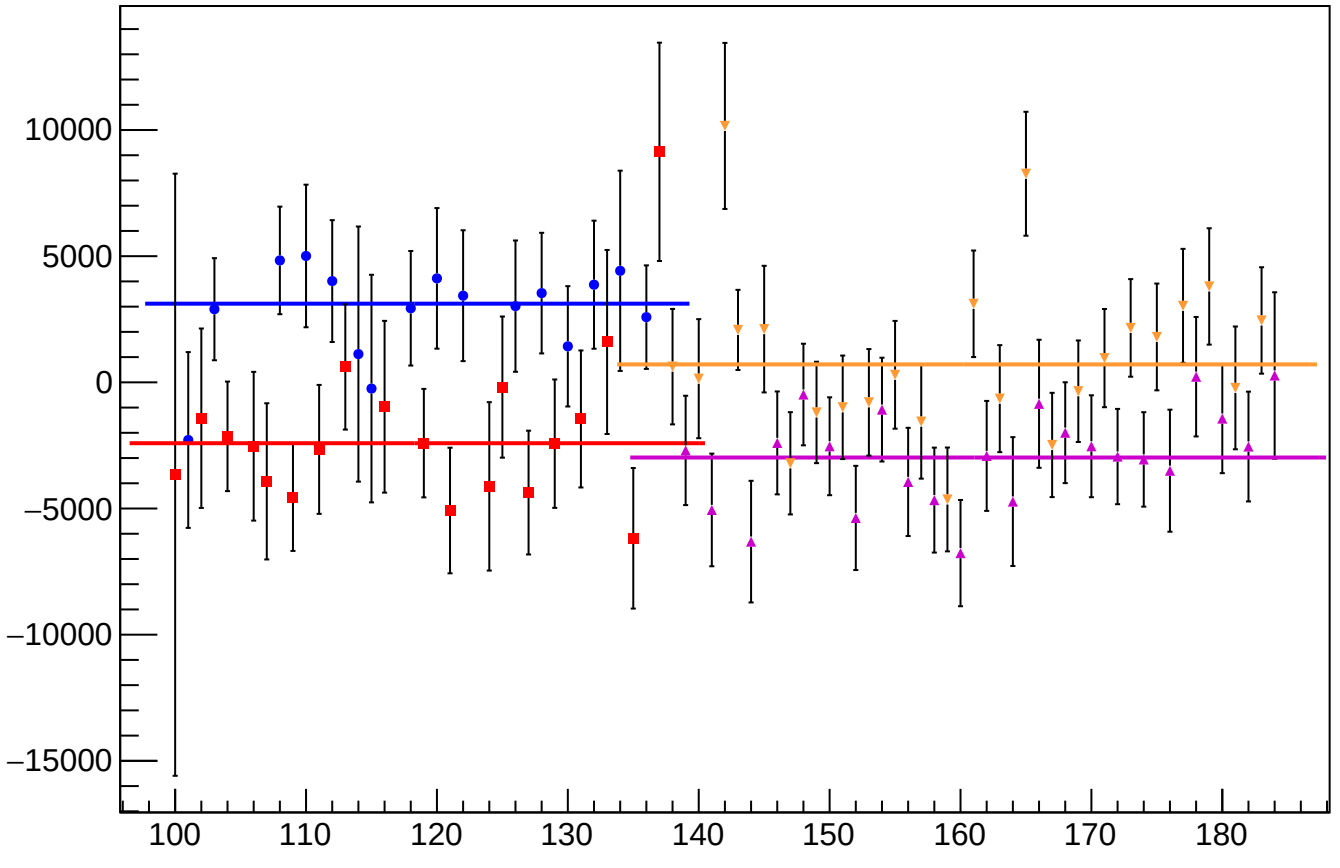
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8338.785+/-1.189 χ^2/NDF: 2962264.6/39

All: 8293.597+/-0.840 χ^2/NDF: 6053472.6/81

- sign 8248.553+/-1.187 χ^2/NDF: 3088325.0/41



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

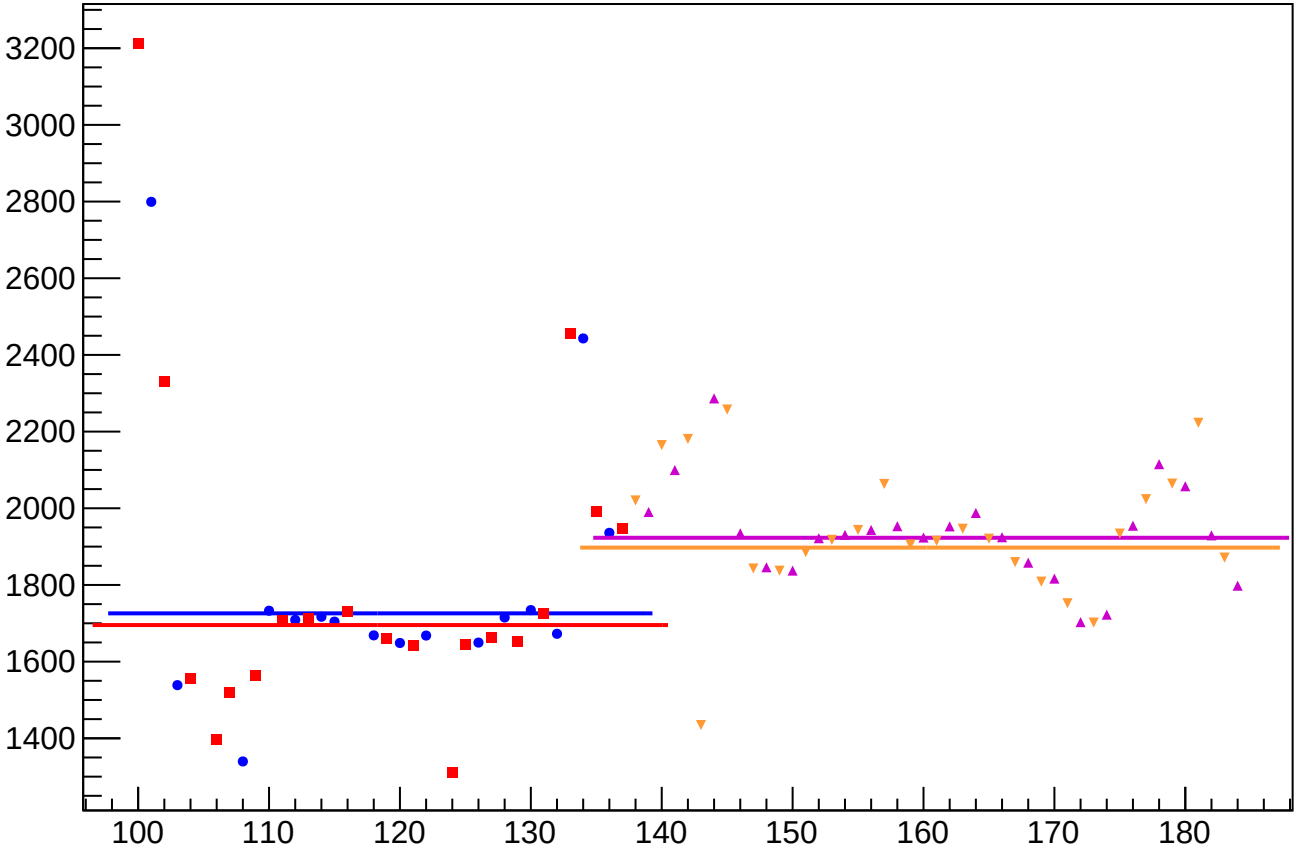
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1456.974+/-362.537 χ^2/NDF: 56.1/39

All: -634.695+/-258.300 χ^2/NDF: 155.8/81

- sign -2791.158+/-368.109 χ^2/NDF: 32.1/41

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

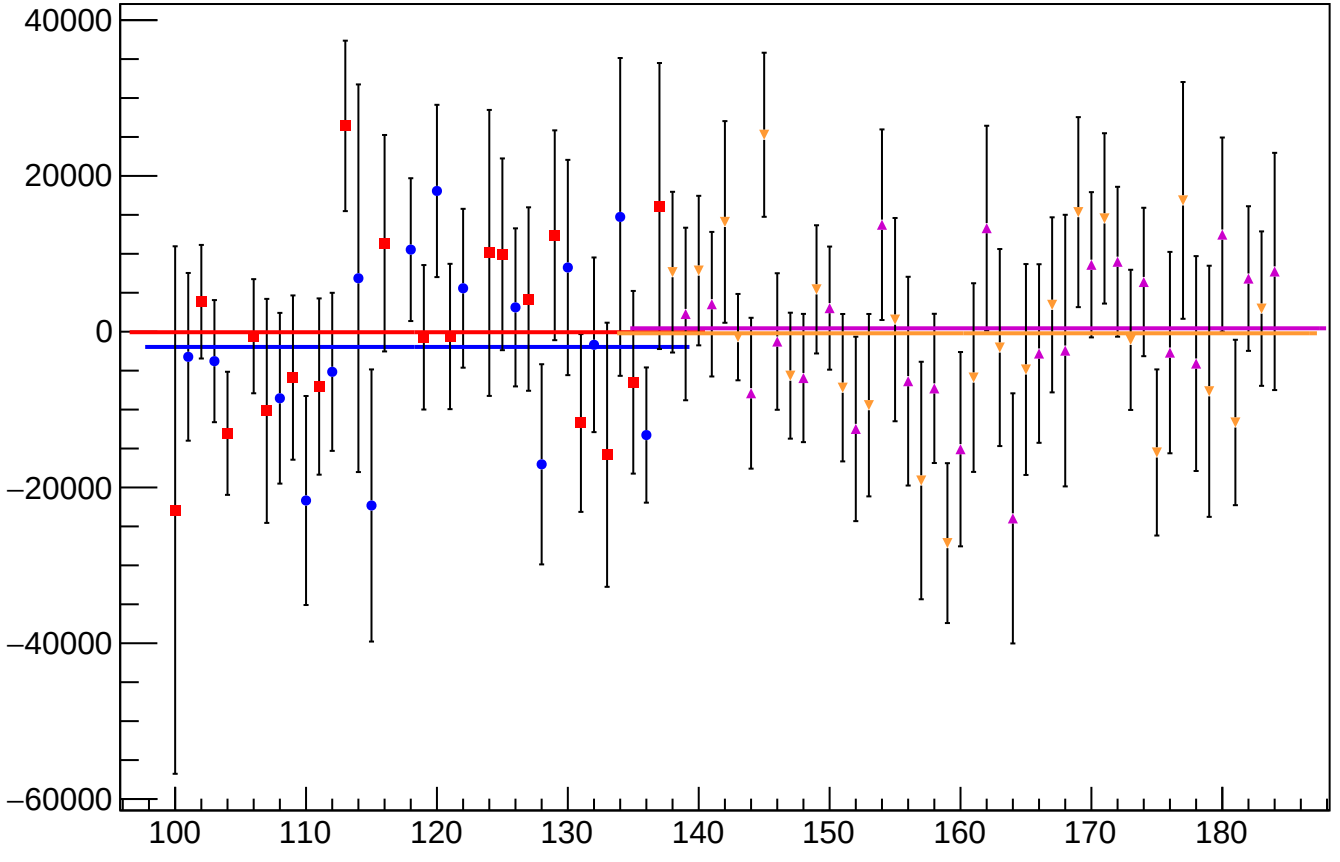
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1844.275+/-0.256 χ^2/NDF: 825077.0/39

All: 1845.843+/-0.183 χ^2/NDF: 1431449.4/81

- sign 1847.459+/-0.260 χ^2/NDF: 606296.4/41

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

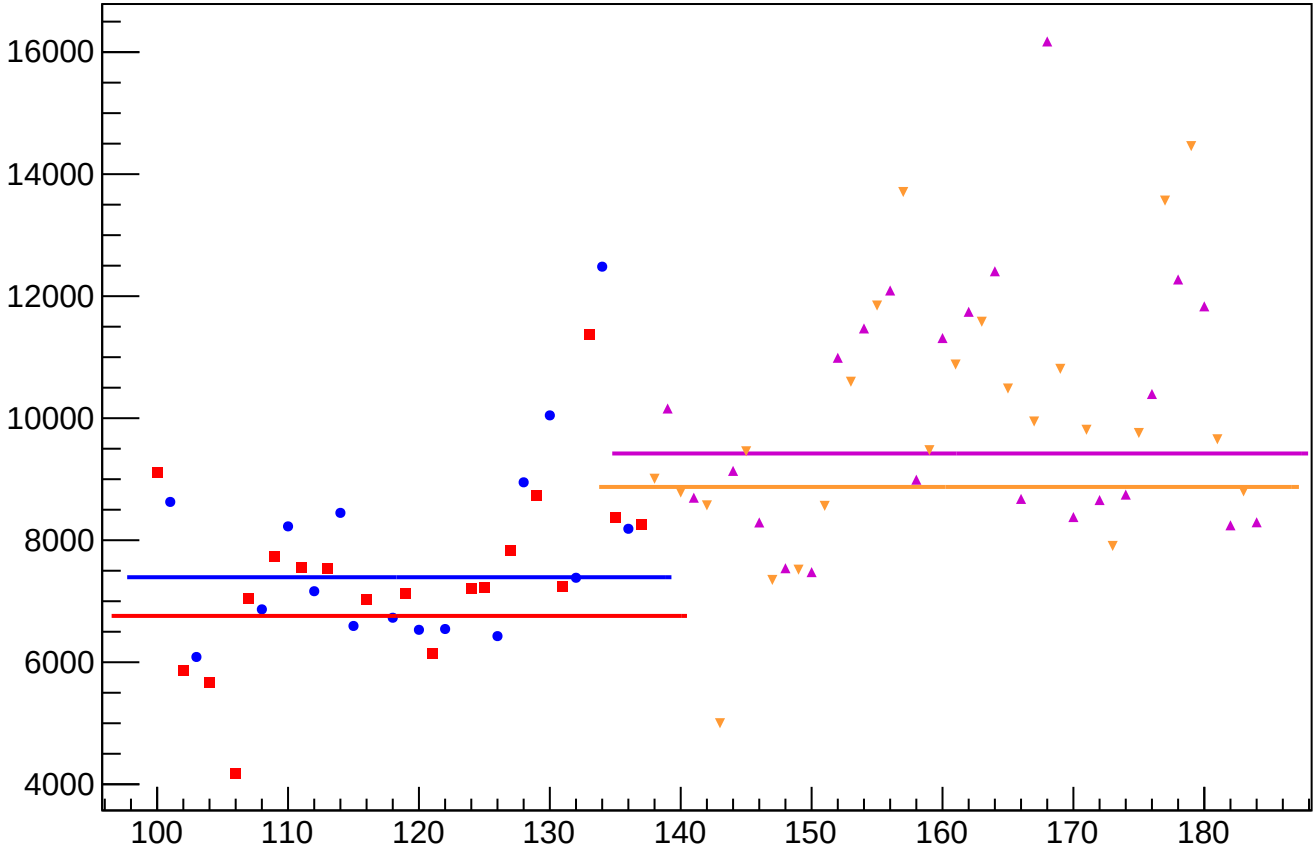
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -838.222+/-1681.830 χ^2/NDF: 42.3/39

All: -311.153+/-1188.286 χ^2/NDF: 72.1/81

- sign 214.238+/-1679.152 χ^2/NDF: 29.7/41

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

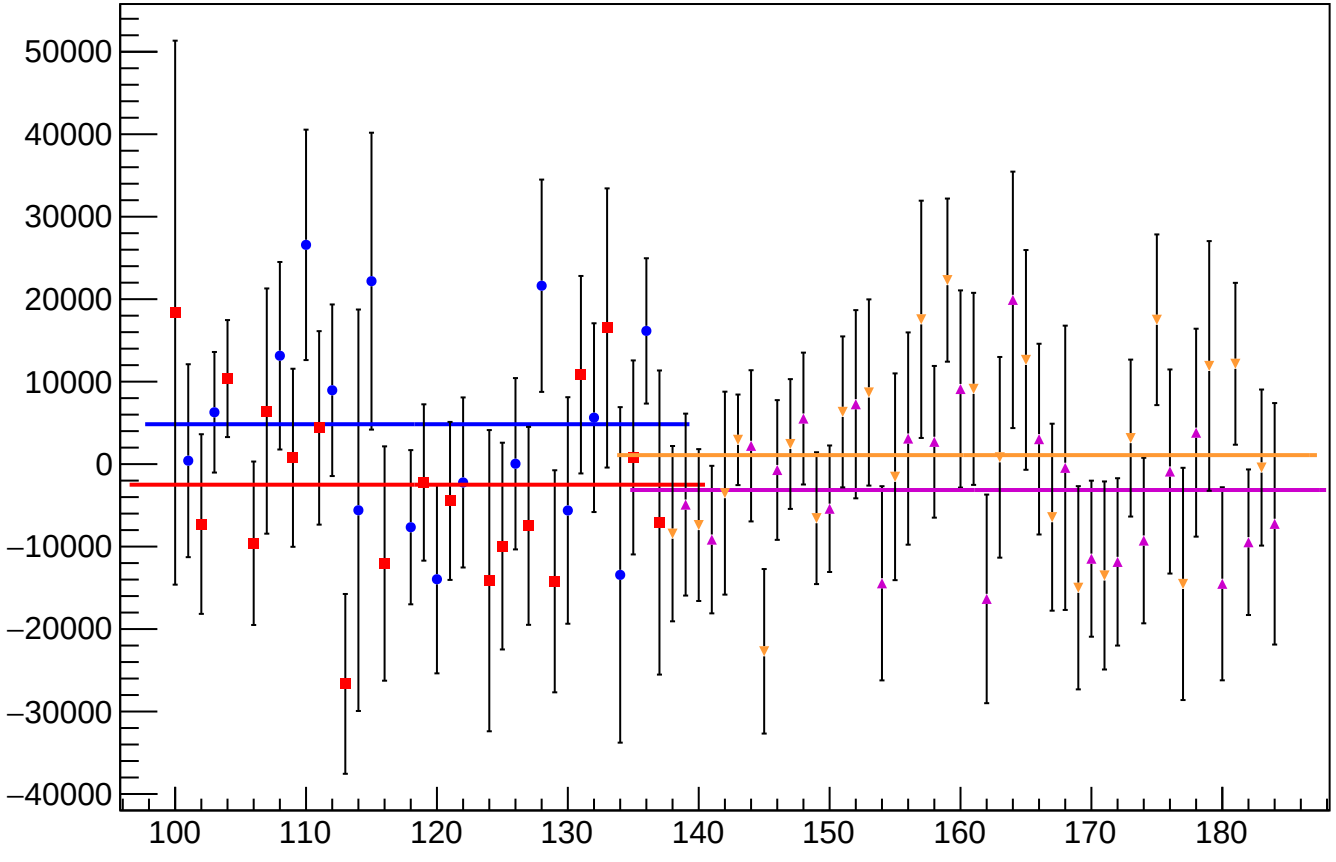
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8338.785+/-1.189 χ^2/NDF: 2962284.3/39

All: 8293.596+/-0.840 χ^2/NDF: 6053523.2/81

- sign 8248.550+/-1.187 χ^2/NDF: 3088355.6/41

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

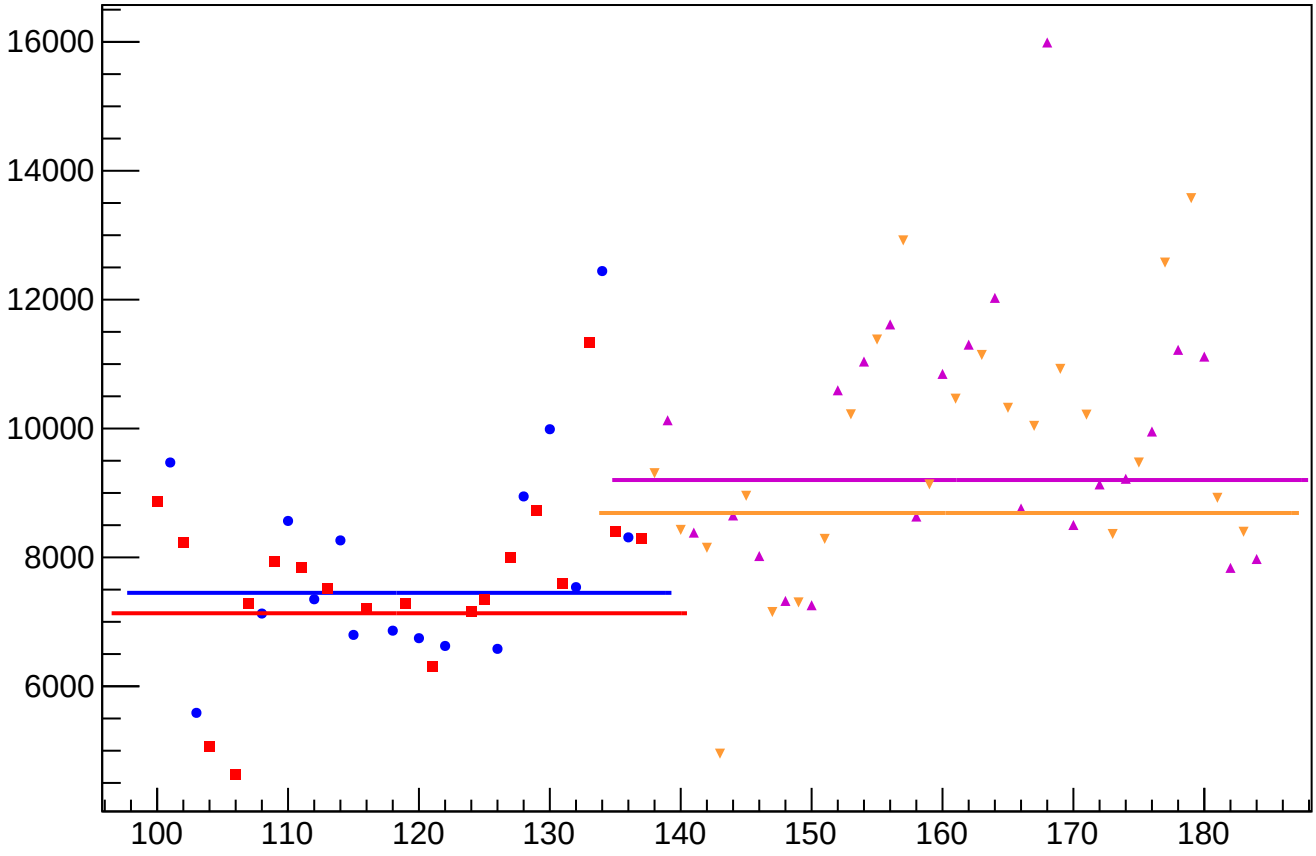
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2385.697+/-1662.999 χ^2/NDF: 41.4/39

All: -191.748+/-1188.605 χ^2/NDF: 74.2/81

- sign -2883.502+/-1699.476 χ^2/NDF: 27.9/41

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

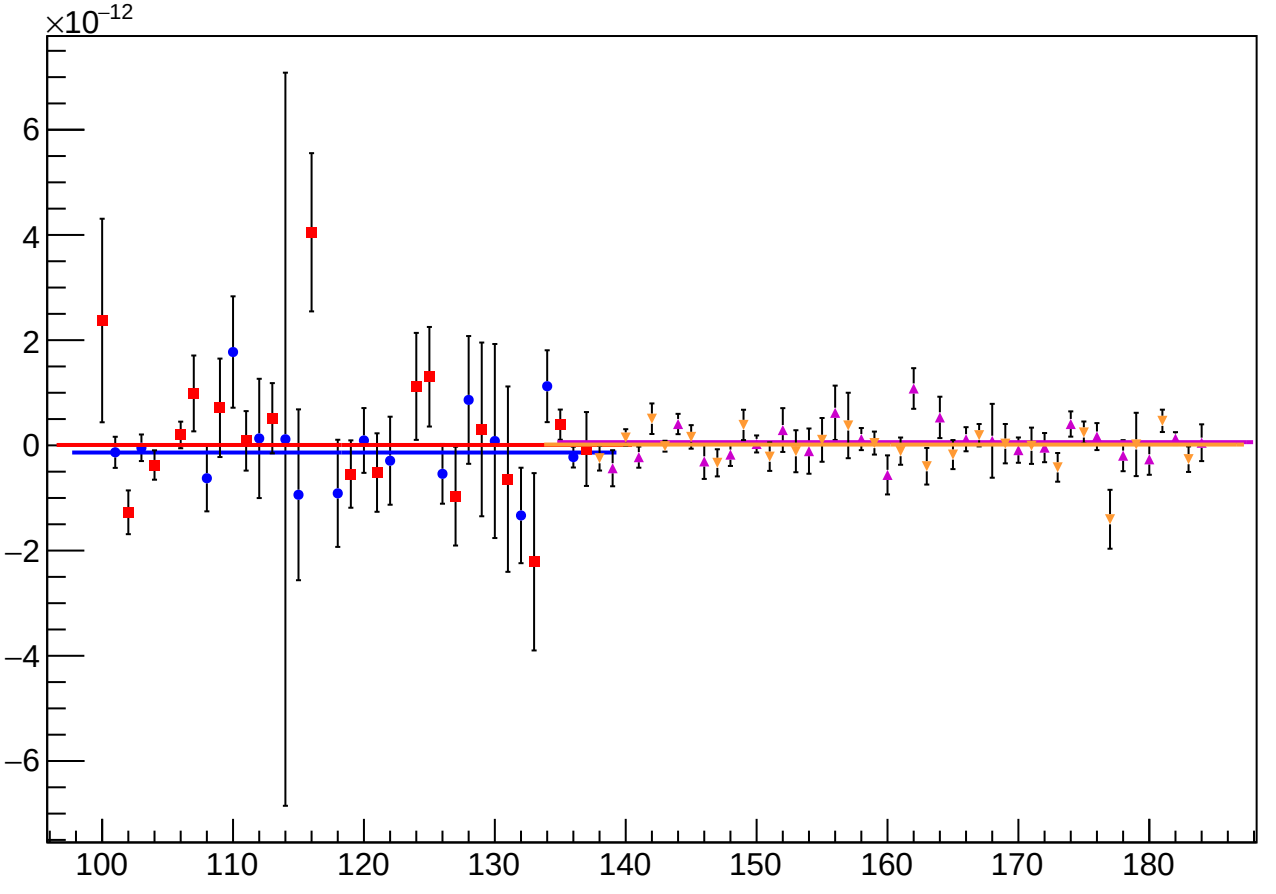
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8260.975+/-1.176 χ^2/NDF: 2788543.4/39

All: 8318.618+/-0.840 χ^2/NDF: 5188957.1/81

- sign 8378.815+/-1.202 χ^2/NDF: 2395501.4/41

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

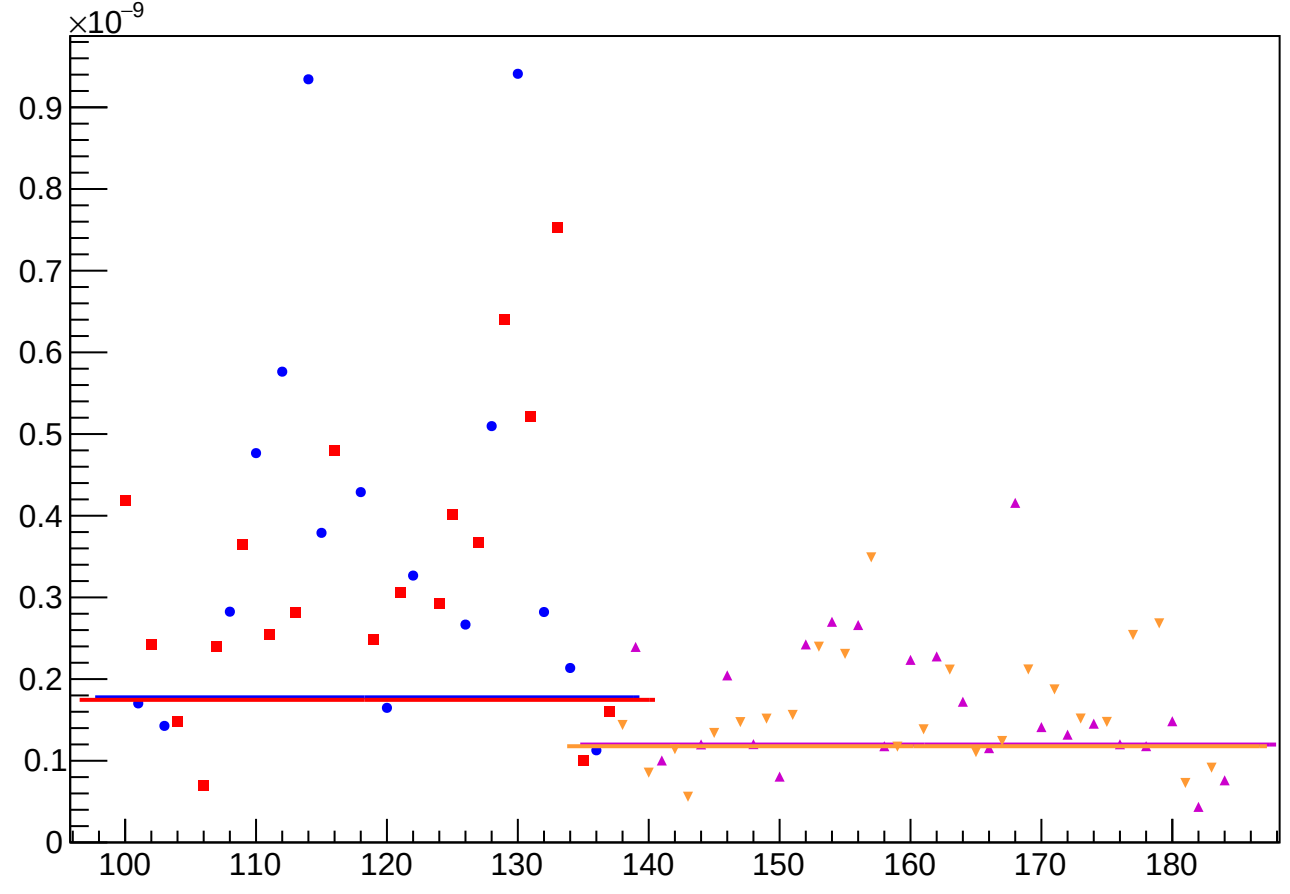
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/39

All: 0.000+/-0.000 χ^2/NDF: 103.3/81

- sign 0.000+/-0.000 χ^2/NDF: 60.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2334851.1/23

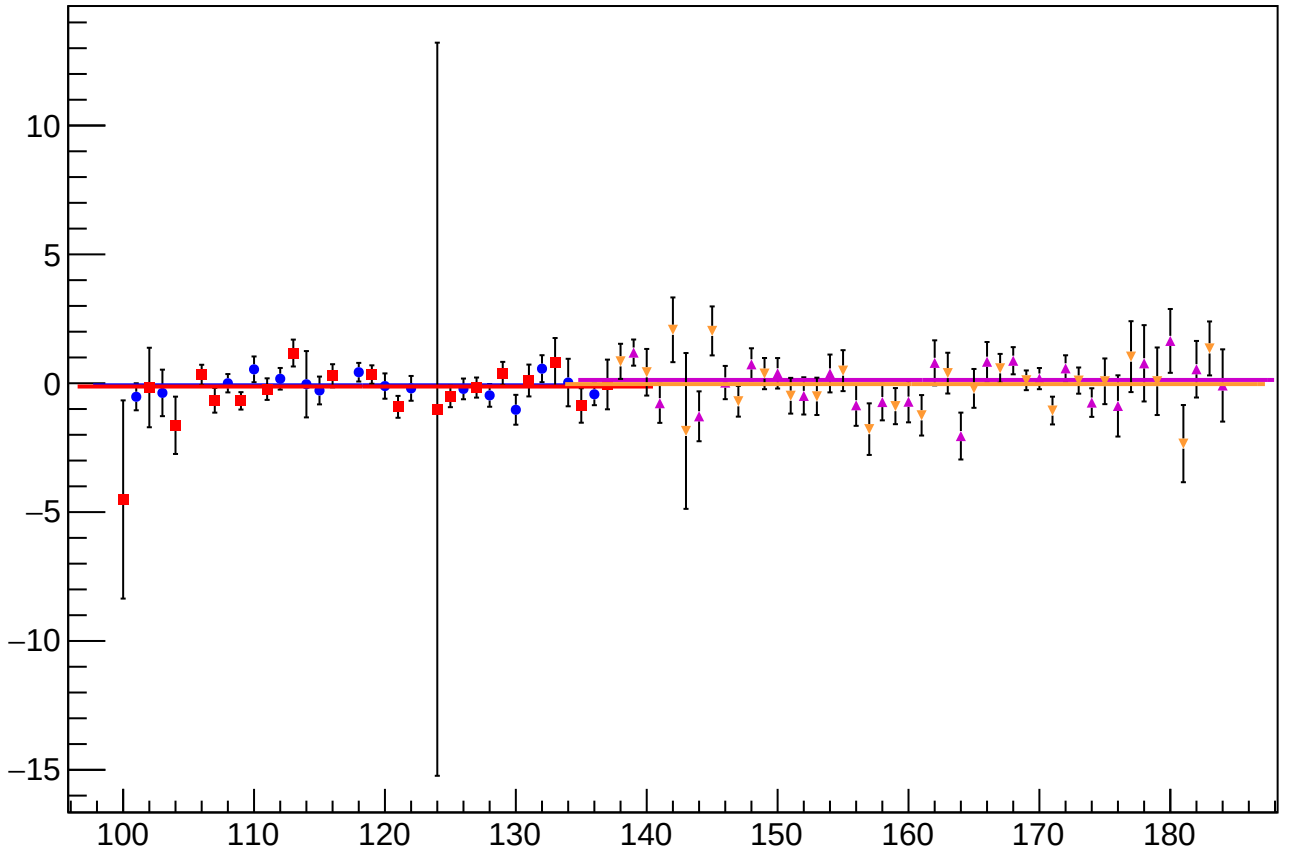
Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4291987.7/39

All: 0.000+/-0.000 χ^2/NDF: 8931101.4/81

- sign 0.000+/-0.000 χ^2/NDF: 4637681.4/41



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

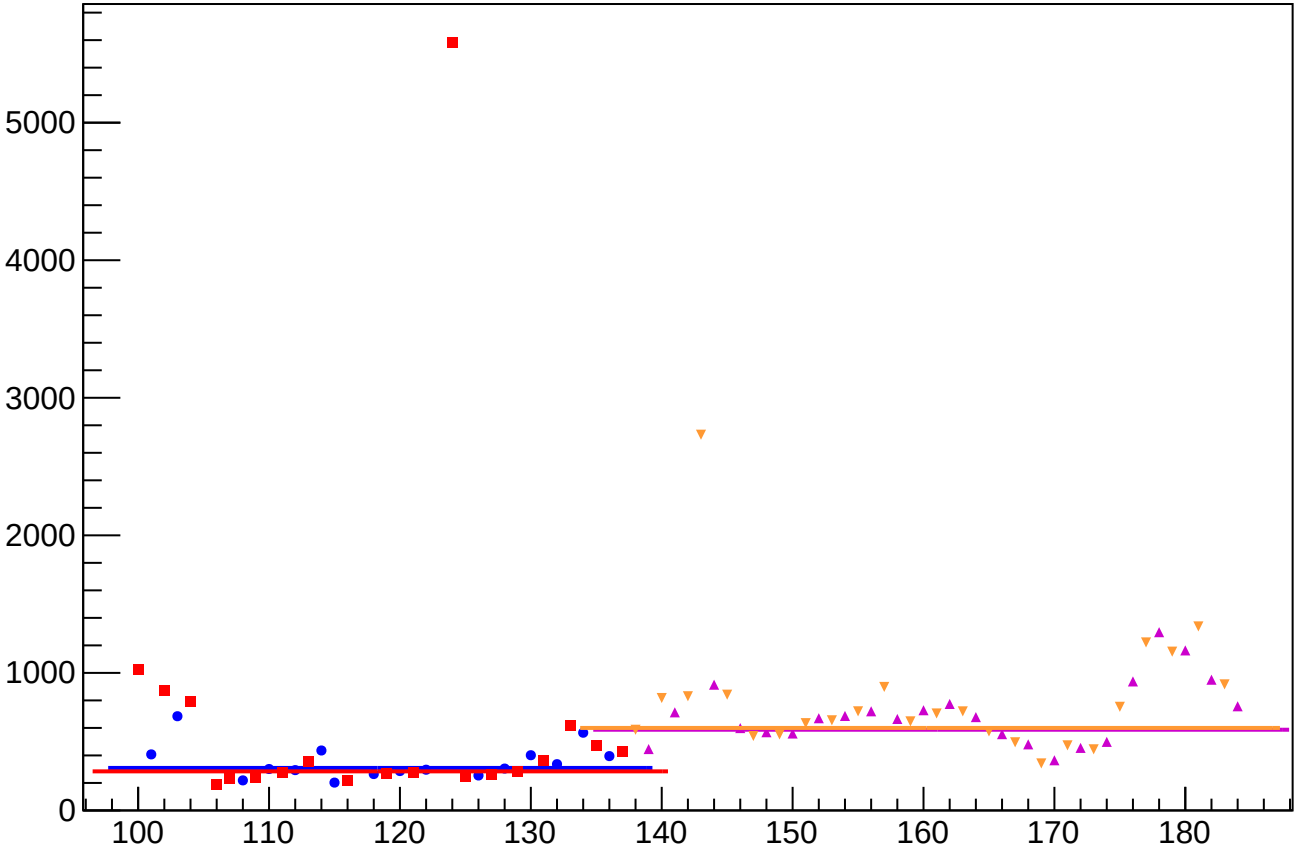
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.061+/-0.094 χ^2/NDF: 40.7/39

All: -0.044+/-0.065 χ^2/NDF: 96.9/81

- sign -0.027+/-0.091 χ^2/NDF: 56.2/41

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

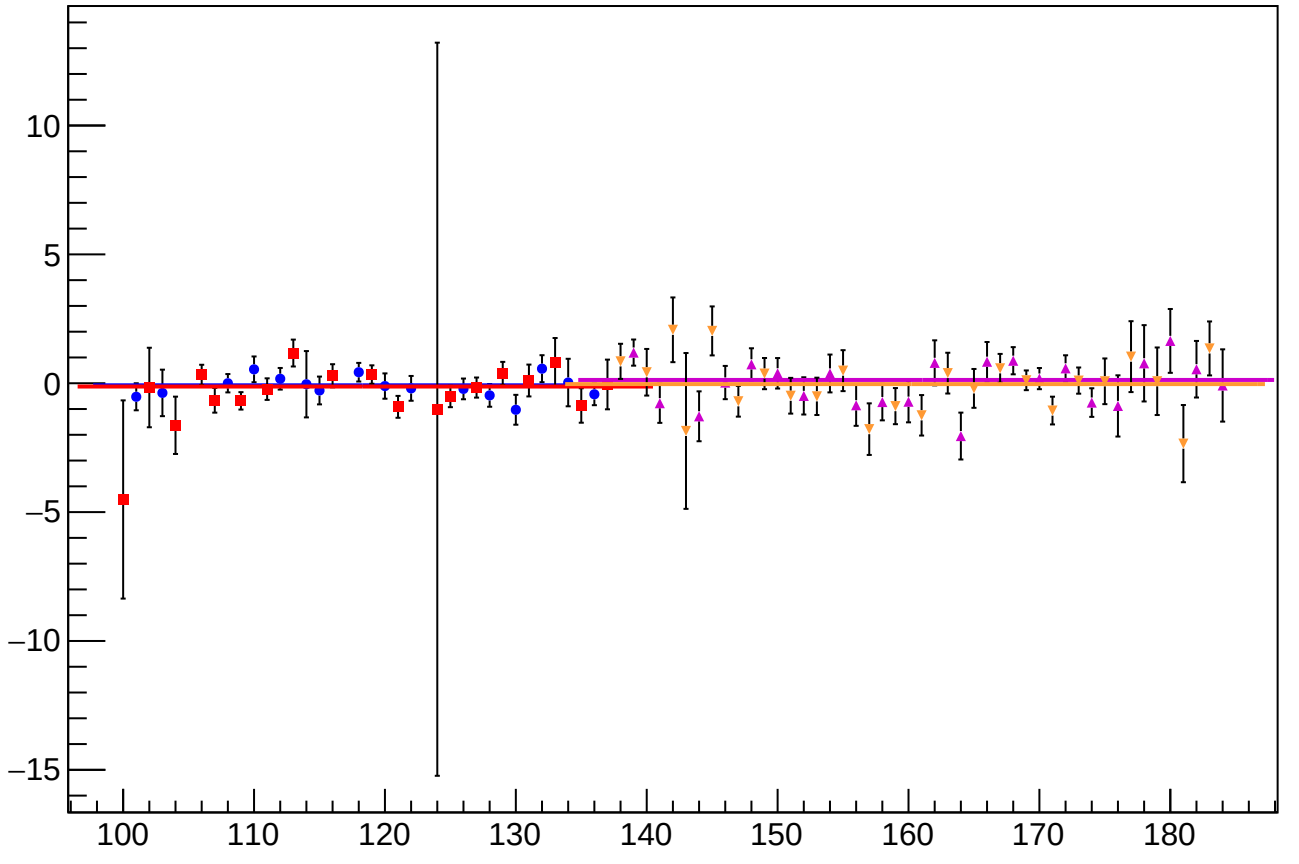
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 426.294+/-0.067 χ^2/NDF: 10049662.9/39

All: 414.370+/-0.046 χ^2/NDF: 20173572.1/81

- sign 403.218+/-0.064 χ^2/NDF: 10061837.8/41



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

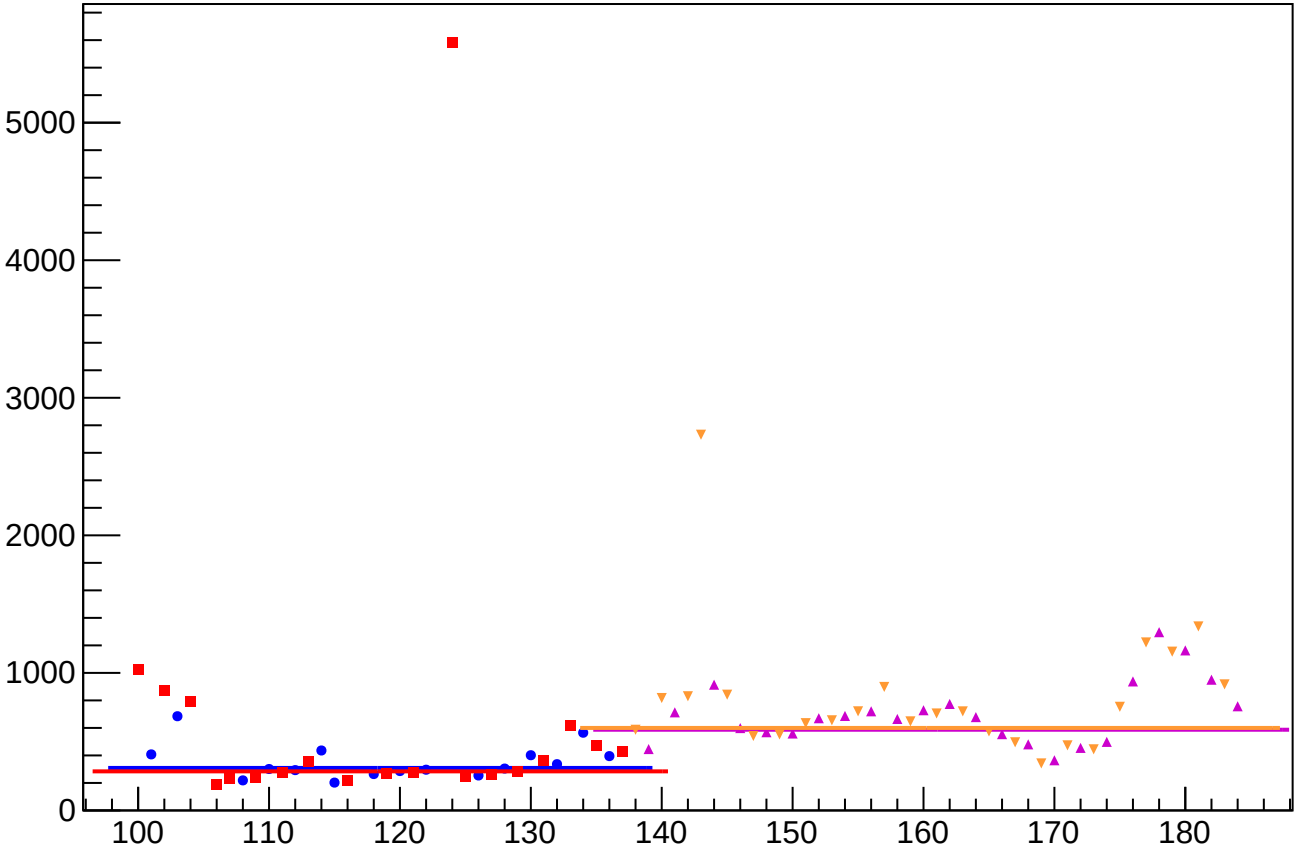
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.061+/-0.094 χ^2/NDF: 40.7/39

All: -0.044+/-0.065 χ^2/NDF: 96.9/81

- sign -0.027+/-0.091 χ^2/NDF: 56.2/41

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

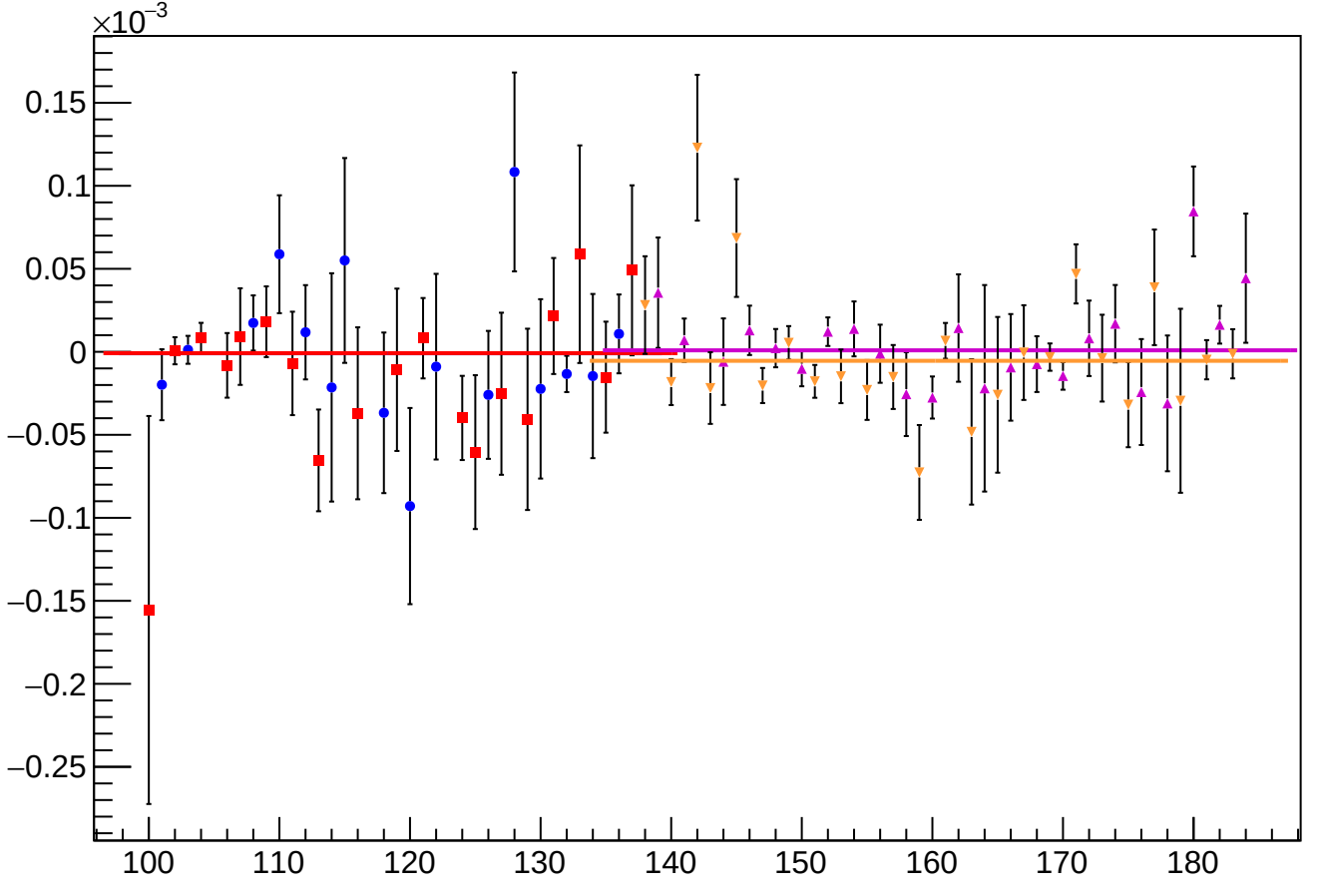
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 426.294+/-0.067 χ^2/NDF: 10049662.9/39

All: 414.370+/-0.046 χ^2/NDF: 20173572.1/81

- sign 403.218+/-0.064 χ^2/NDF: 10061837.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.5/23

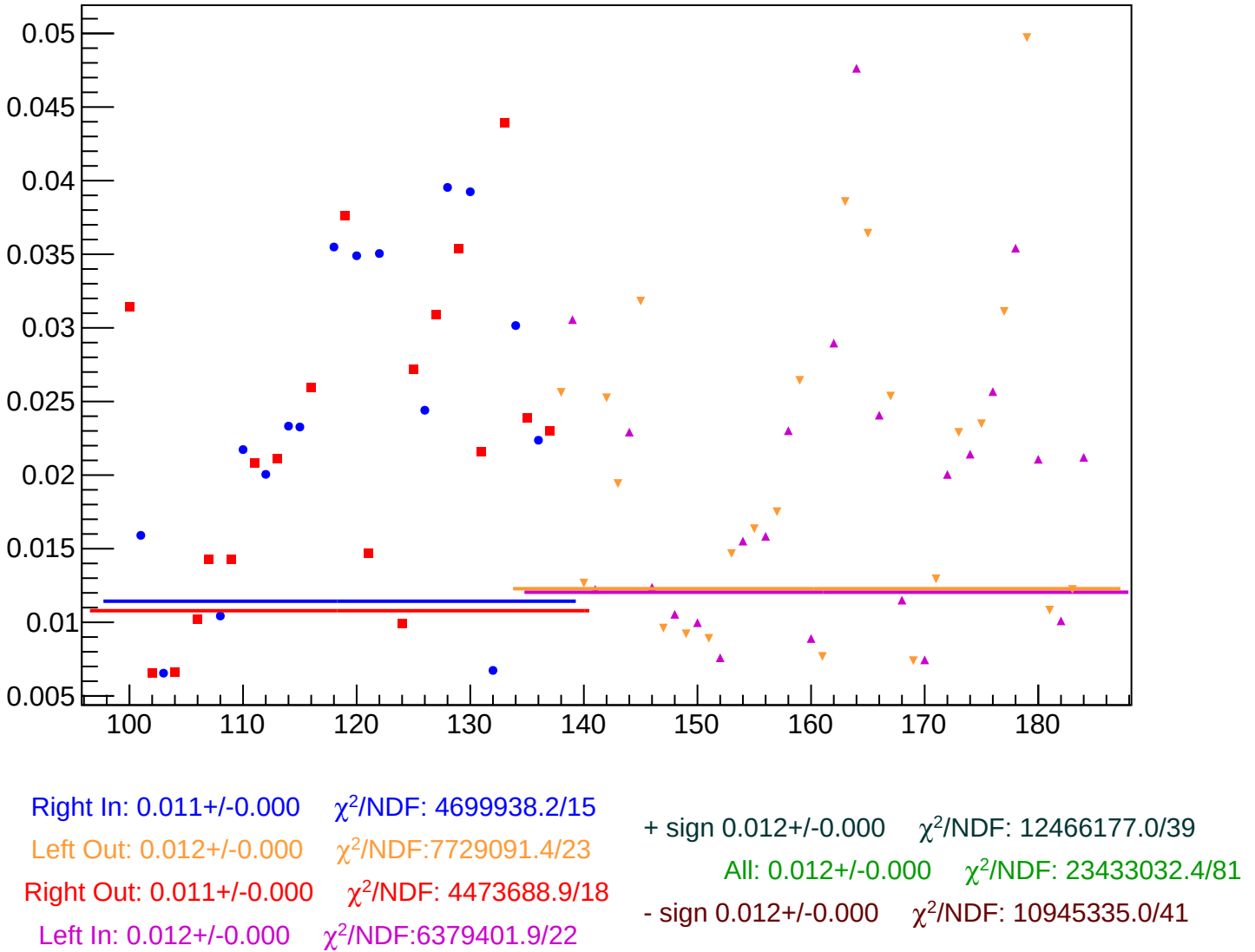
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

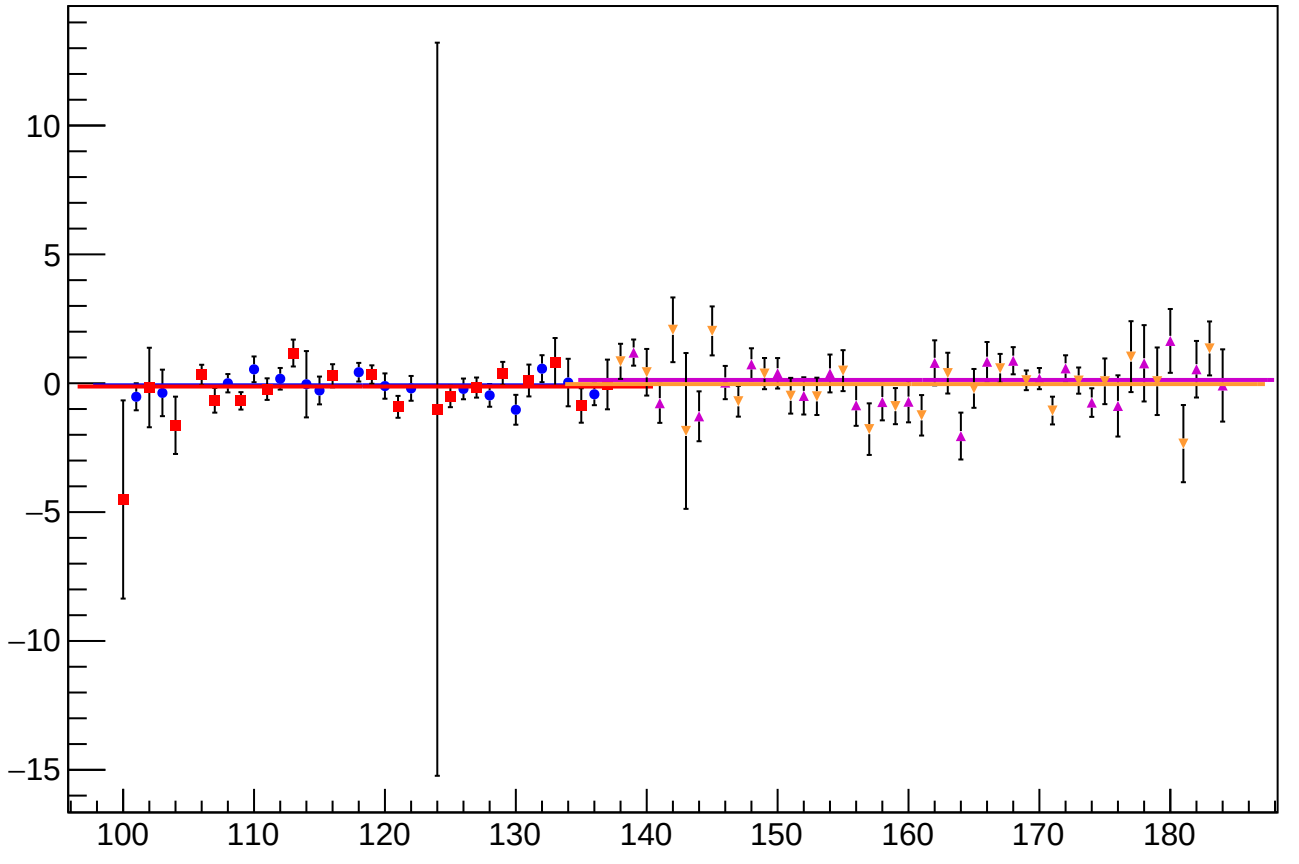
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/39

All: -0.000+/-0.000 χ^2/NDF: 104.3/81

- sign 0.000+/-0.000 χ^2/NDF: 46.4/41


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:6379401.9/22
+ sign 0.012+/-0.000 χ²/NDF: 12466177.0/39
All: 0.012+/-0.000 χ²/NDF: 23433032.4/81
- sign 0.012+/-0.000 χ²/NDF: 10945335.0/41



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

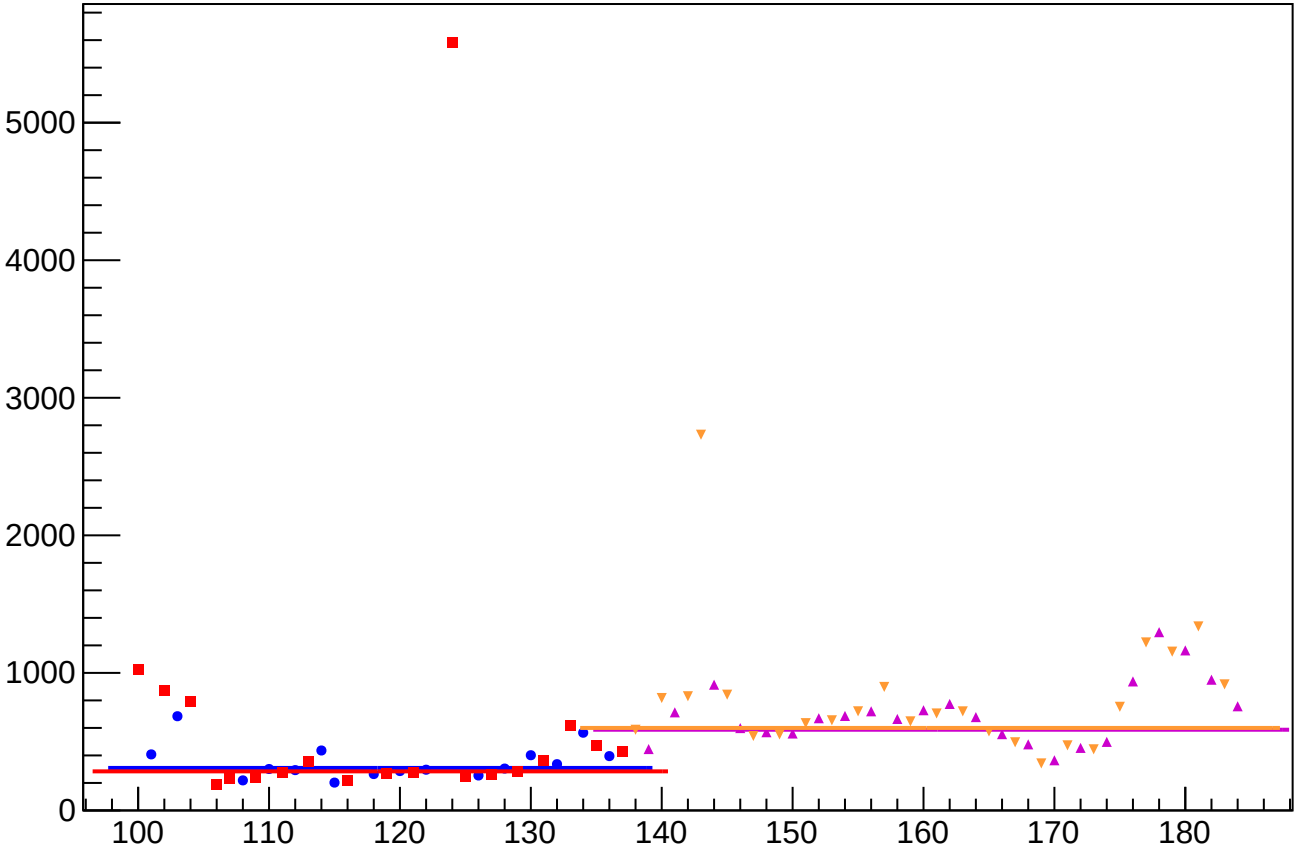
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.061+/-0.094 χ^2/NDF: 40.7/39

All: -0.044+/-0.065 χ^2/NDF: 96.9/81

- sign -0.027+/-0.091 χ^2/NDF: 56.2/41

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

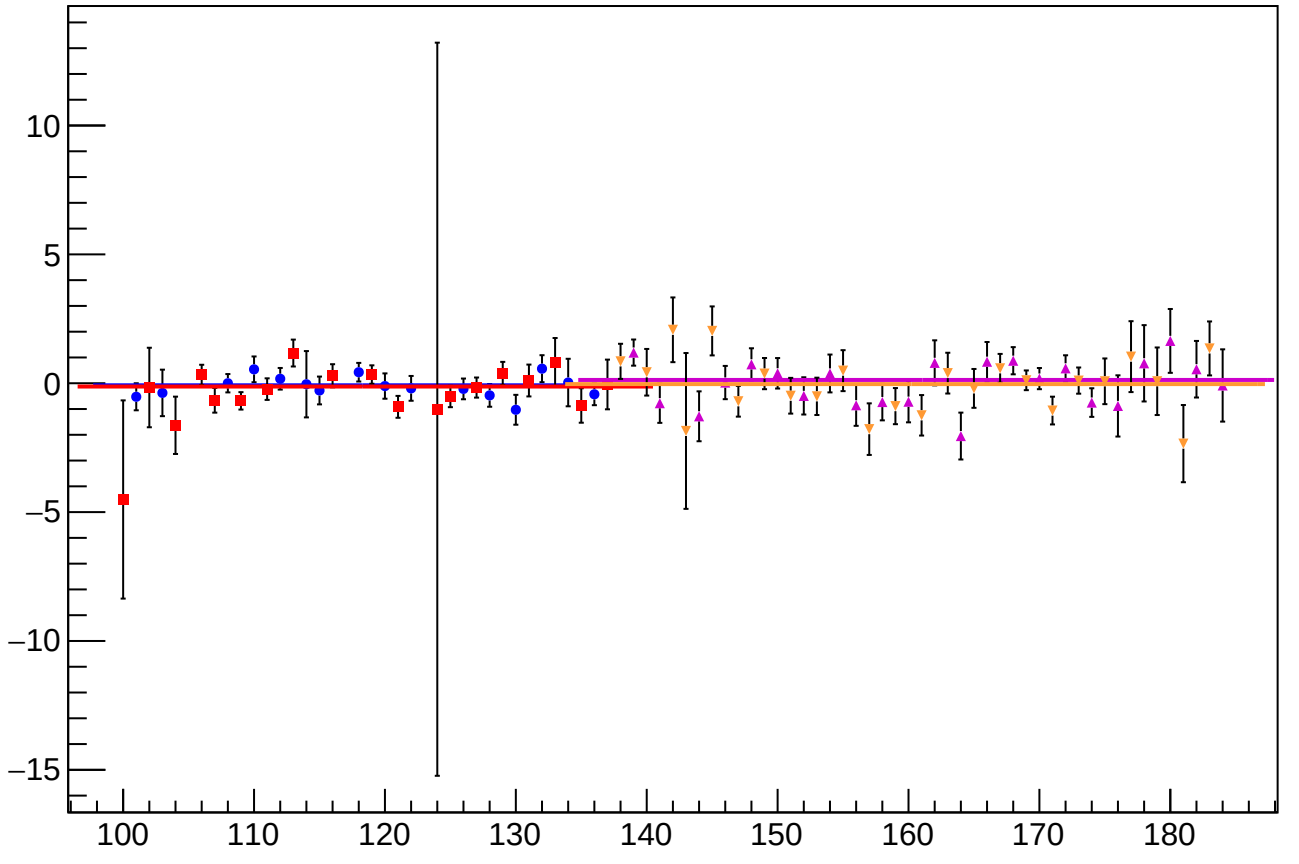
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 426.293+/-0.067 χ^2/NDF: 10049854.8/39

All: 414.369+/-0.046 χ^2/NDF: 20173957.8/81

- sign 403.217+/-0.064 χ^2/NDF: 10062034.7/41



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.033+/-0.148 χ^2/NDF:29.9/23

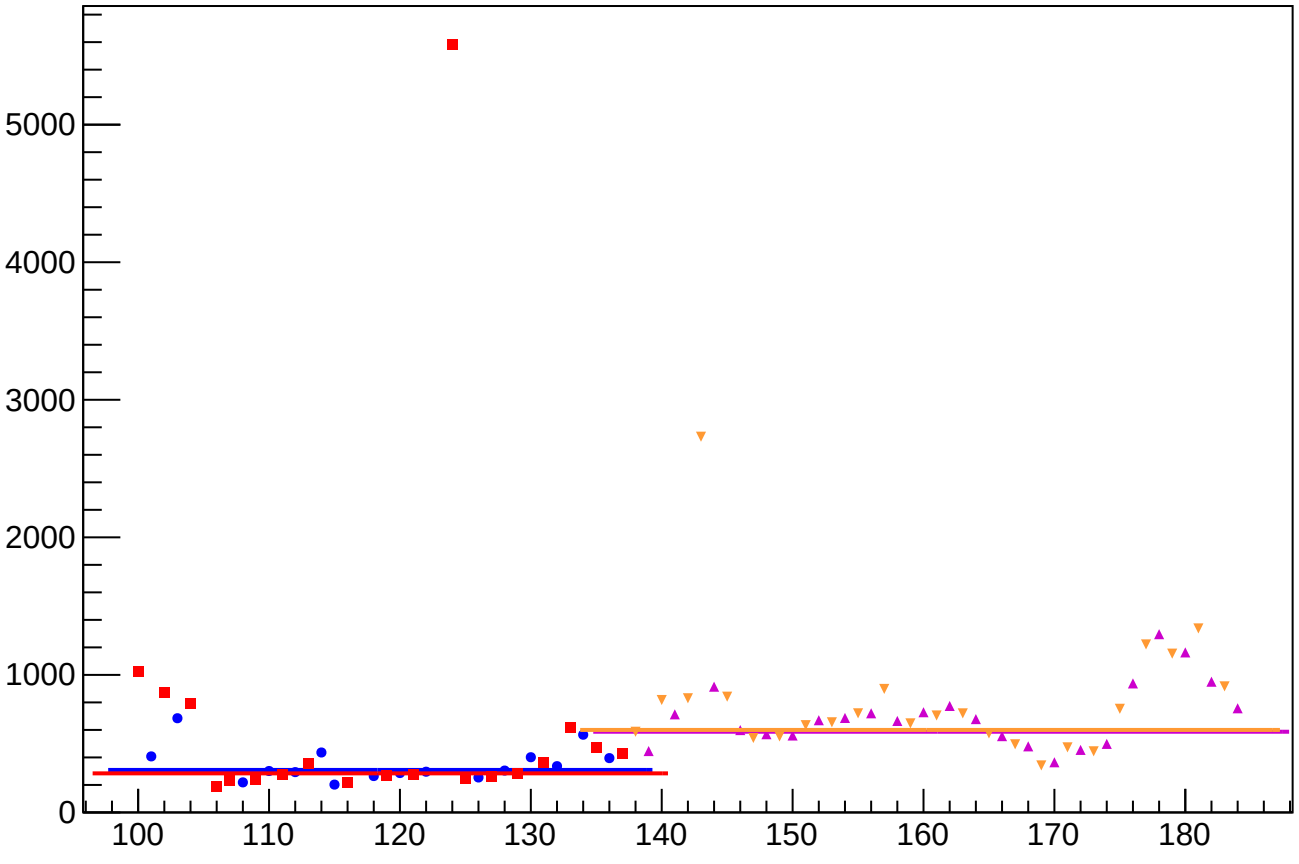
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.061+/-0.094 χ^2/NDF: 40.7/39

All: -0.044+/-0.065 χ^2/NDF: 96.9/81

- sign -0.027+/-0.091 χ^2/NDF: 56.2/41



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

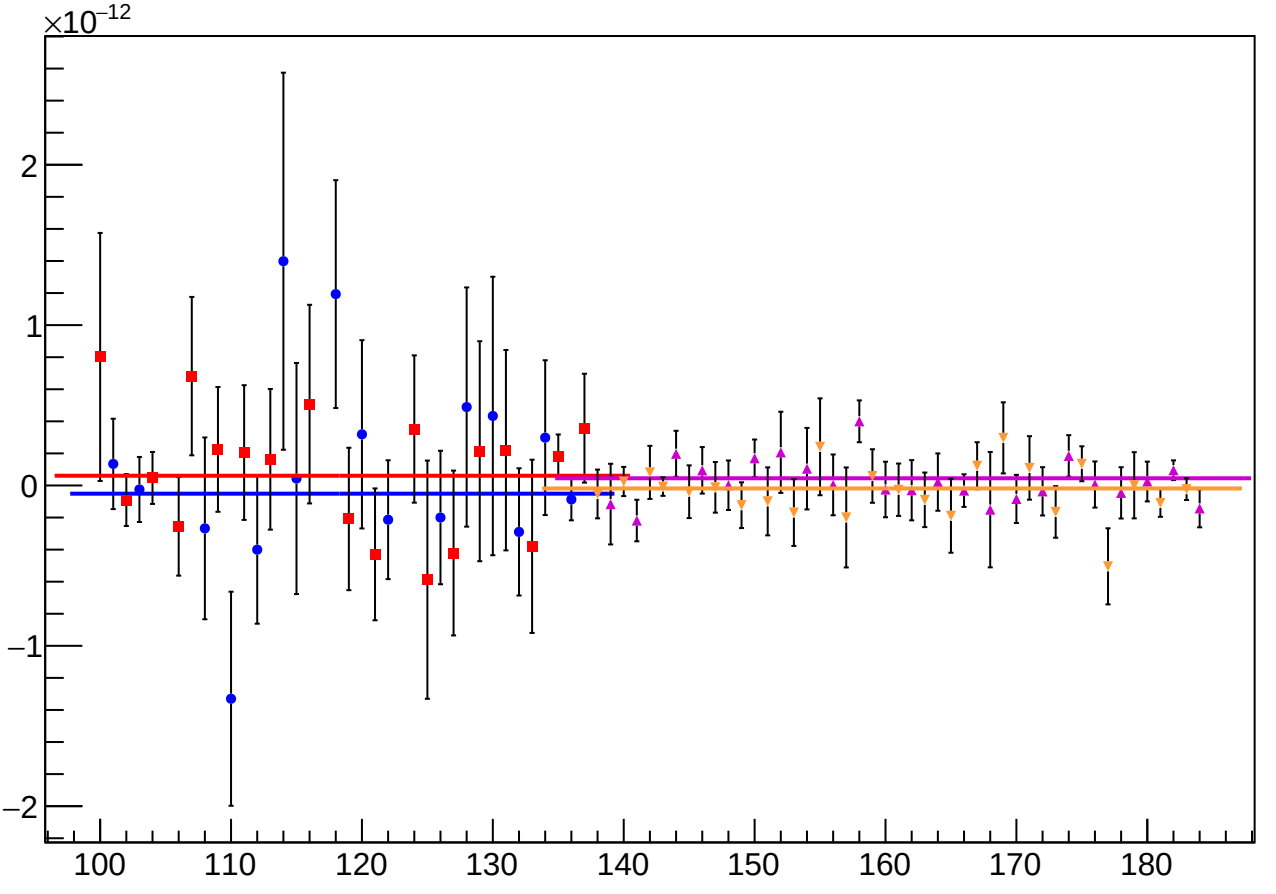
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 426.293+/-0.067 χ^2/NDF: 10049854.8/39

All: 414.369+/-0.046 χ^2/NDF: 20173957.8/81

- sign 403.217+/-0.064 χ^2/NDF: 10062034.7/41

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/23

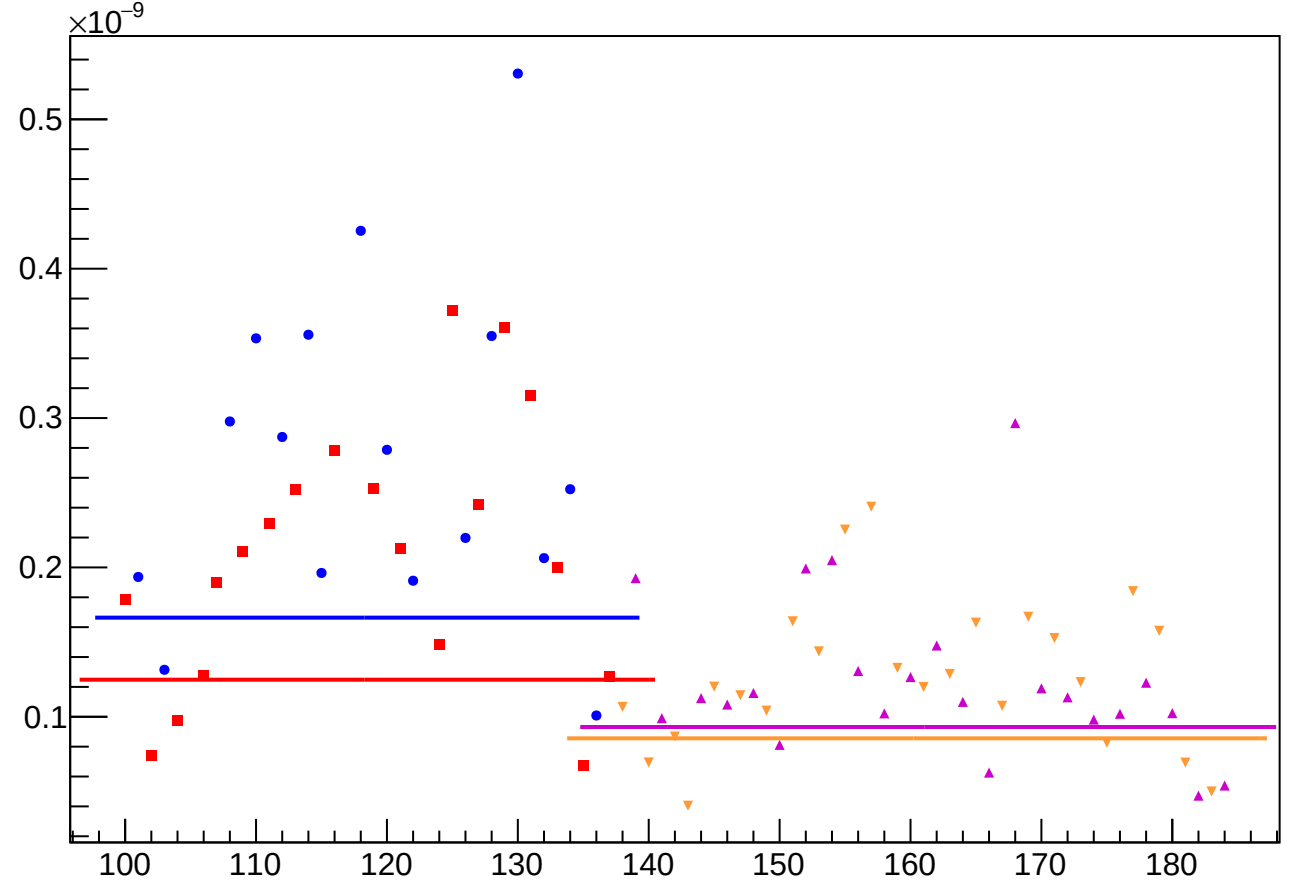
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/39

All: 0.000+/-0.000 χ^2/NDF: 64.5/81

- sign 0.000+/-0.000 χ^2/NDF: 33.5/41



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

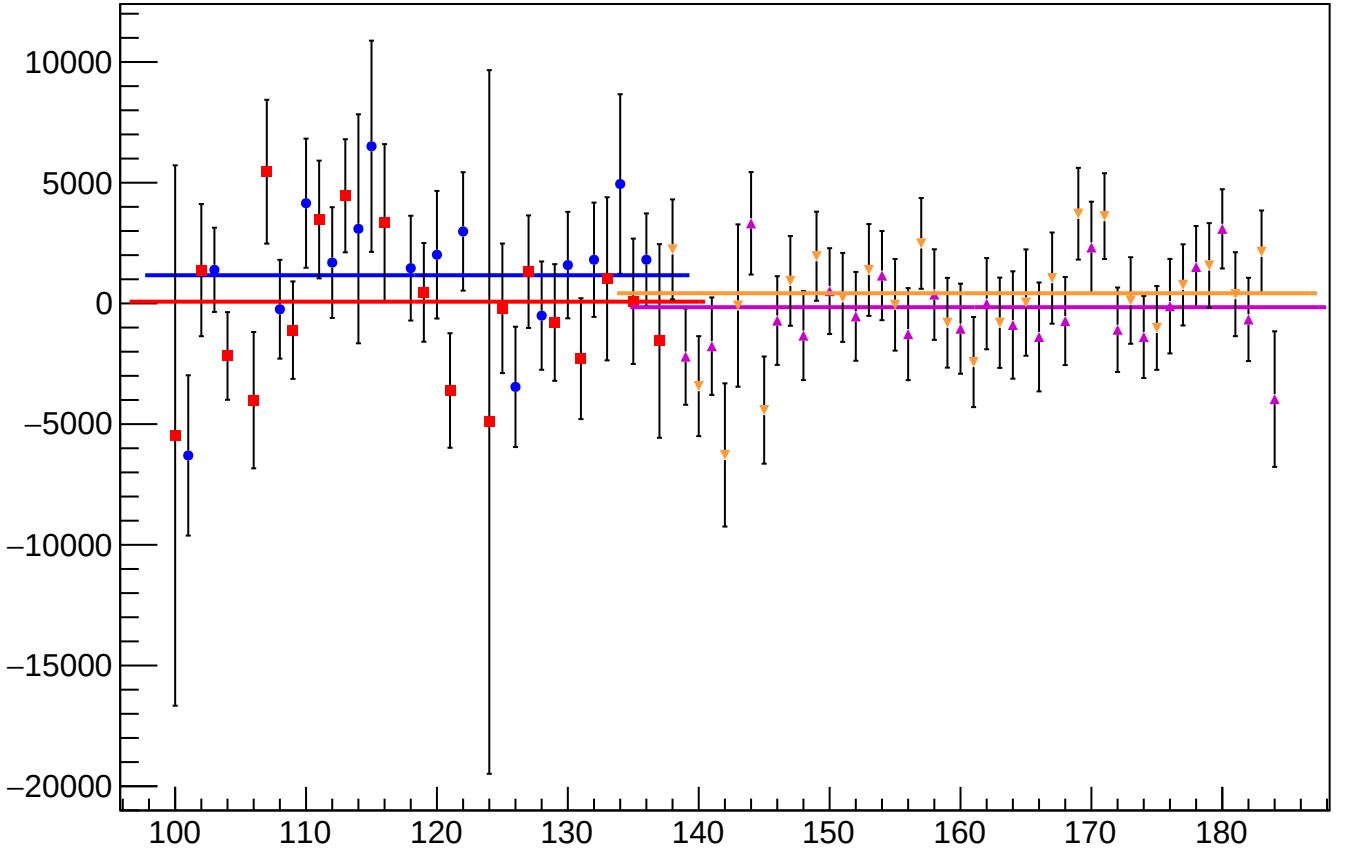
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8983524.0/39

All: 0.000+/-0.000 χ^2/NDF: 15448744.5/81

- sign 0.000+/-0.000 χ^2/NDF: 6430176.8/41

reg_asym_at2_dd_mean vs Slug



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

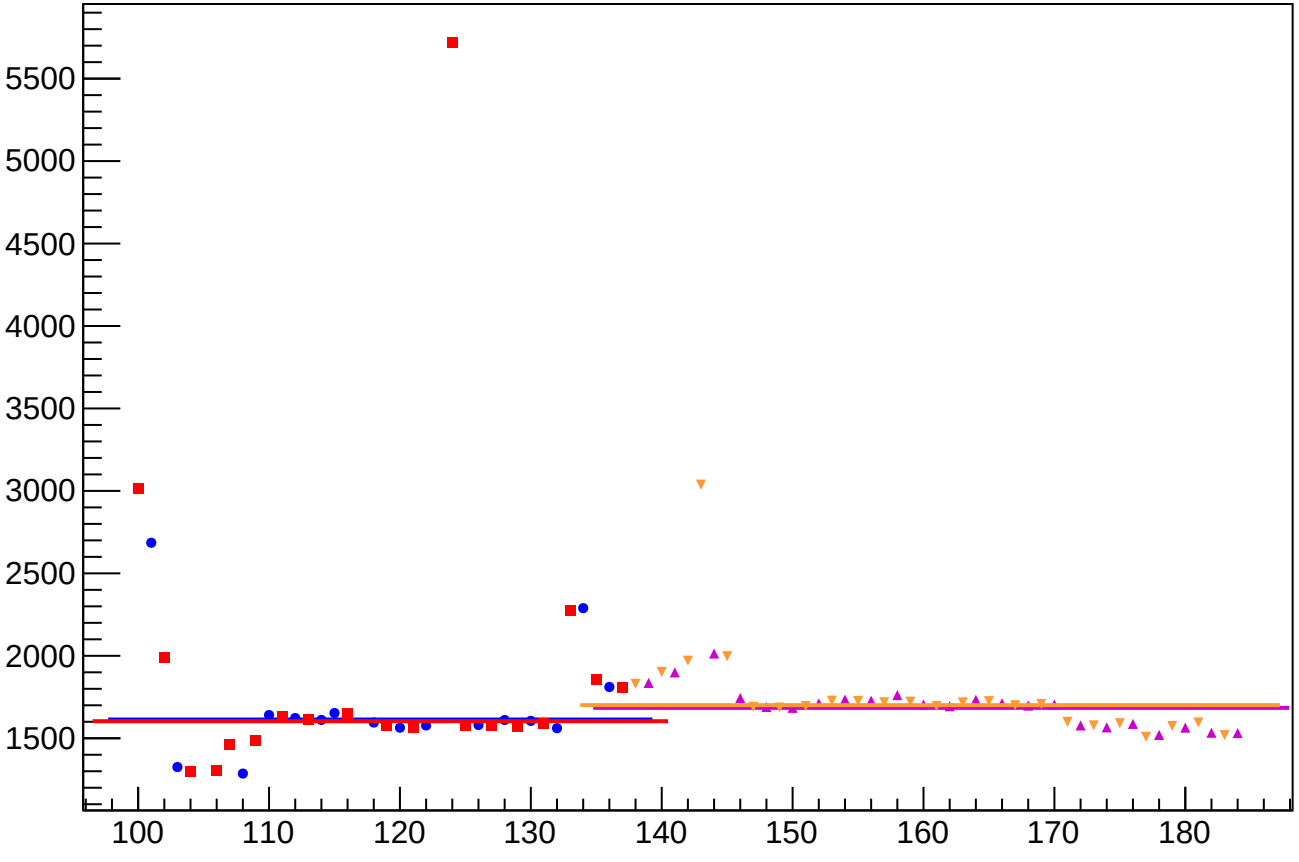
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 640.107+/-329.353 χ^2/NDF: 43.7/39

All: 276.595+/-233.131 χ^2/NDF: 80.5/81

- sign -88.445+/-330.044 χ^2/NDF: 34.4/41

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

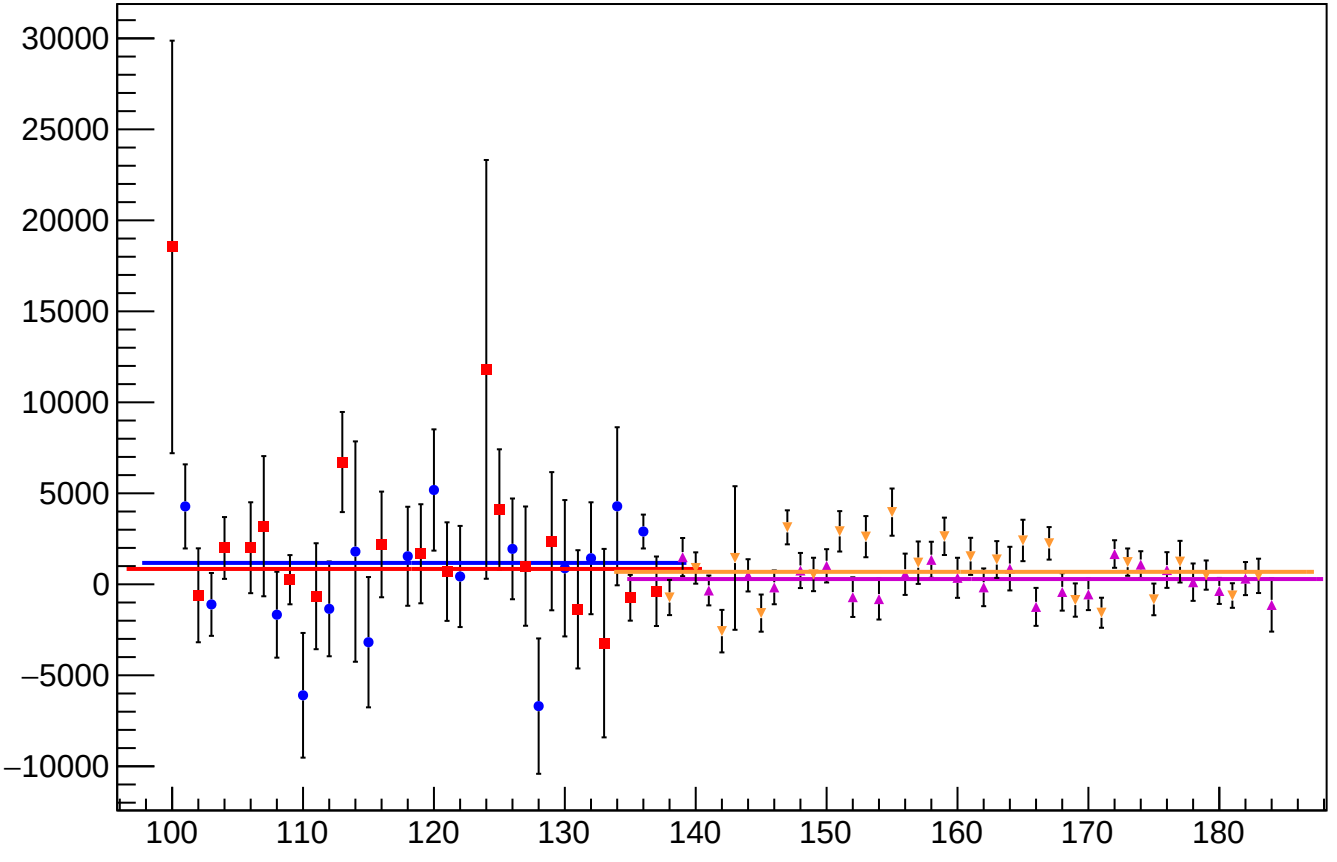
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1675.328+/-0.233 χ^2/NDF: 920767.9/39

All: 1667.833+/-0.165 χ^2/NDF: 1539322.9/81

- sign 1660.307+/-0.233 χ^2/NDF: 616479.2/41

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

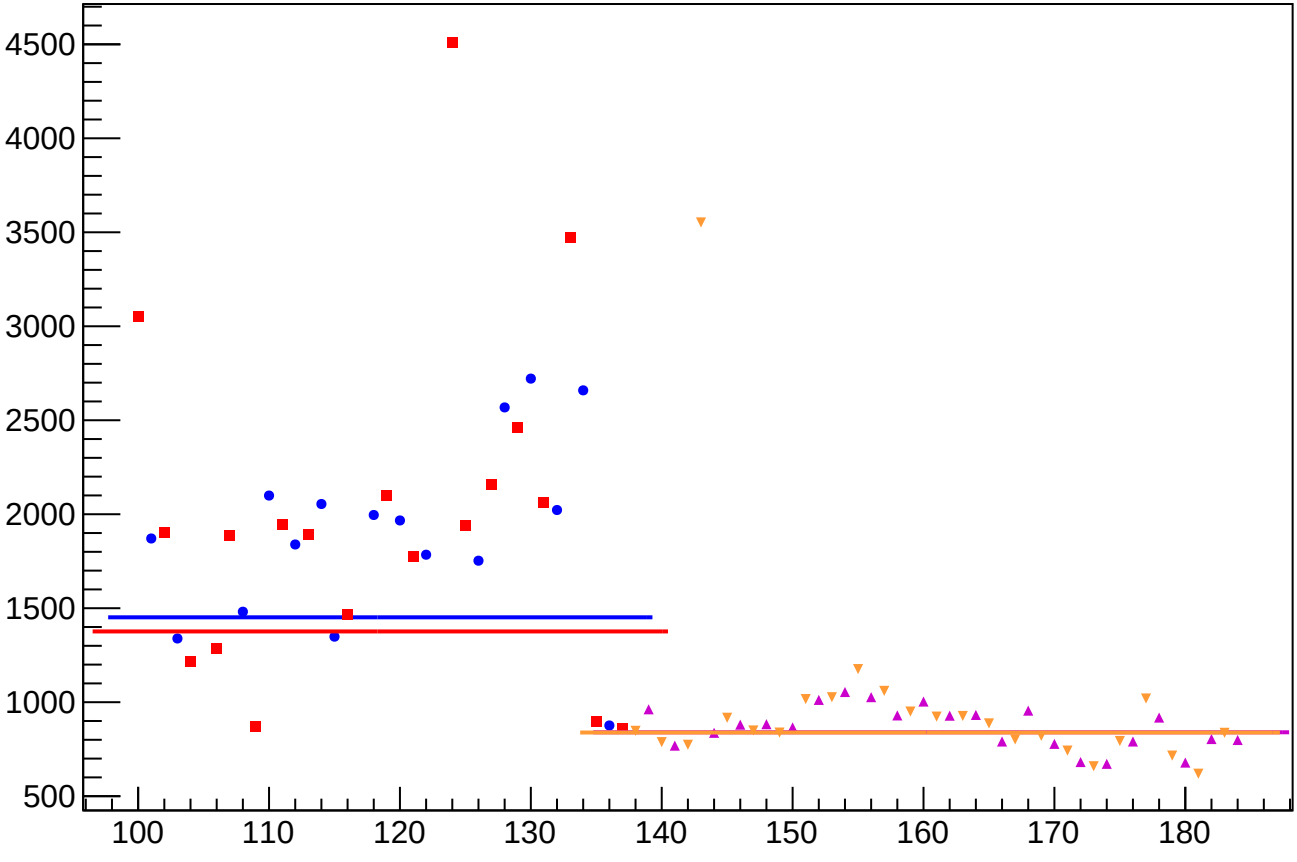
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 736.061+/-186.652 χ^2/NDF: 86.0/39

All: 543.930+/-132.103 χ^2/NDF: 119.8/81

- sign 351.095+/-186.993 χ^2/NDF: 31.7/41

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

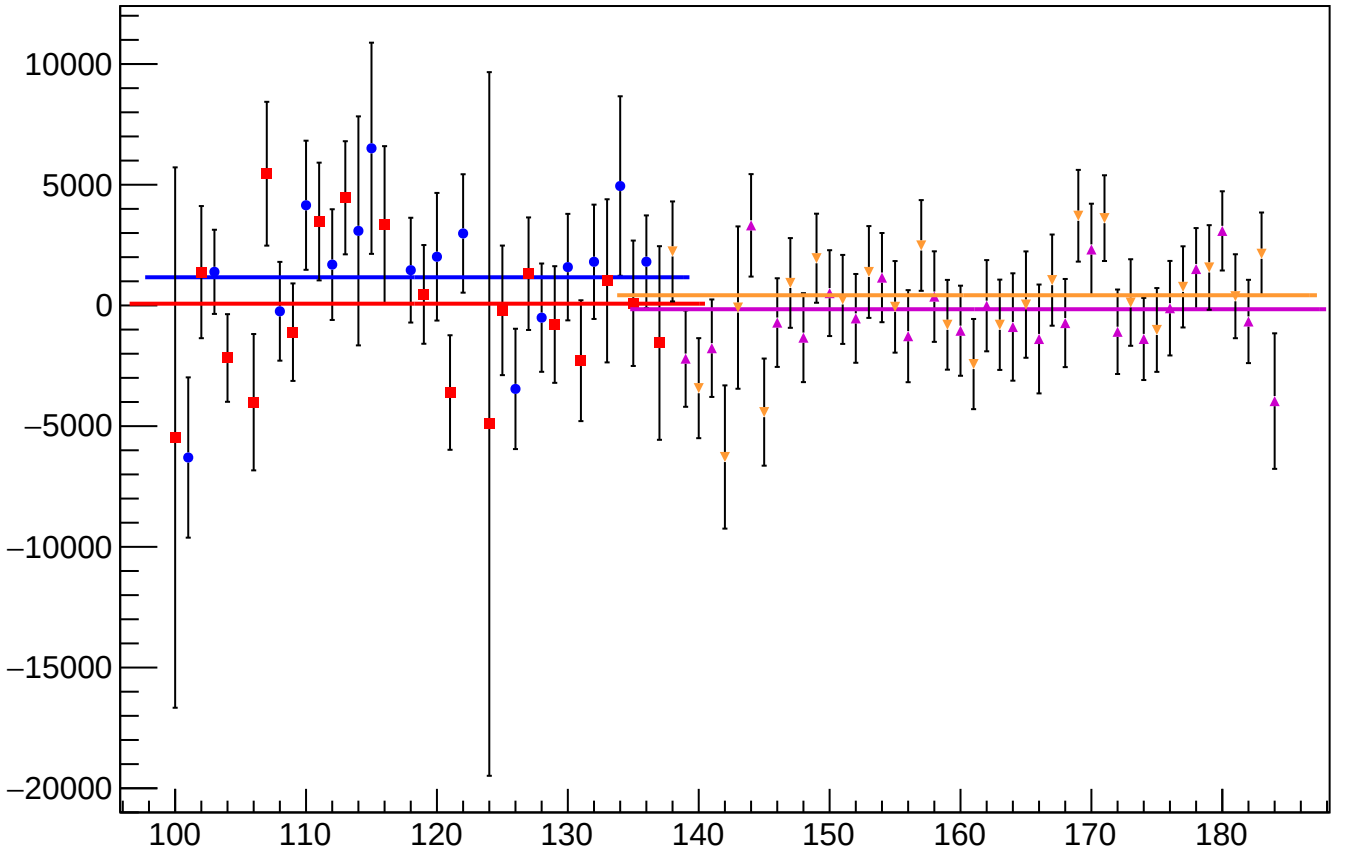
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 902.411+/-0.132 χ^2/NDF: 5598060.8/39

All: 901.380+/-0.093 χ^2/NDF: 10043648.7/81

- sign 900.346+/-0.132 χ^2/NDF: 4445465.9/41



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

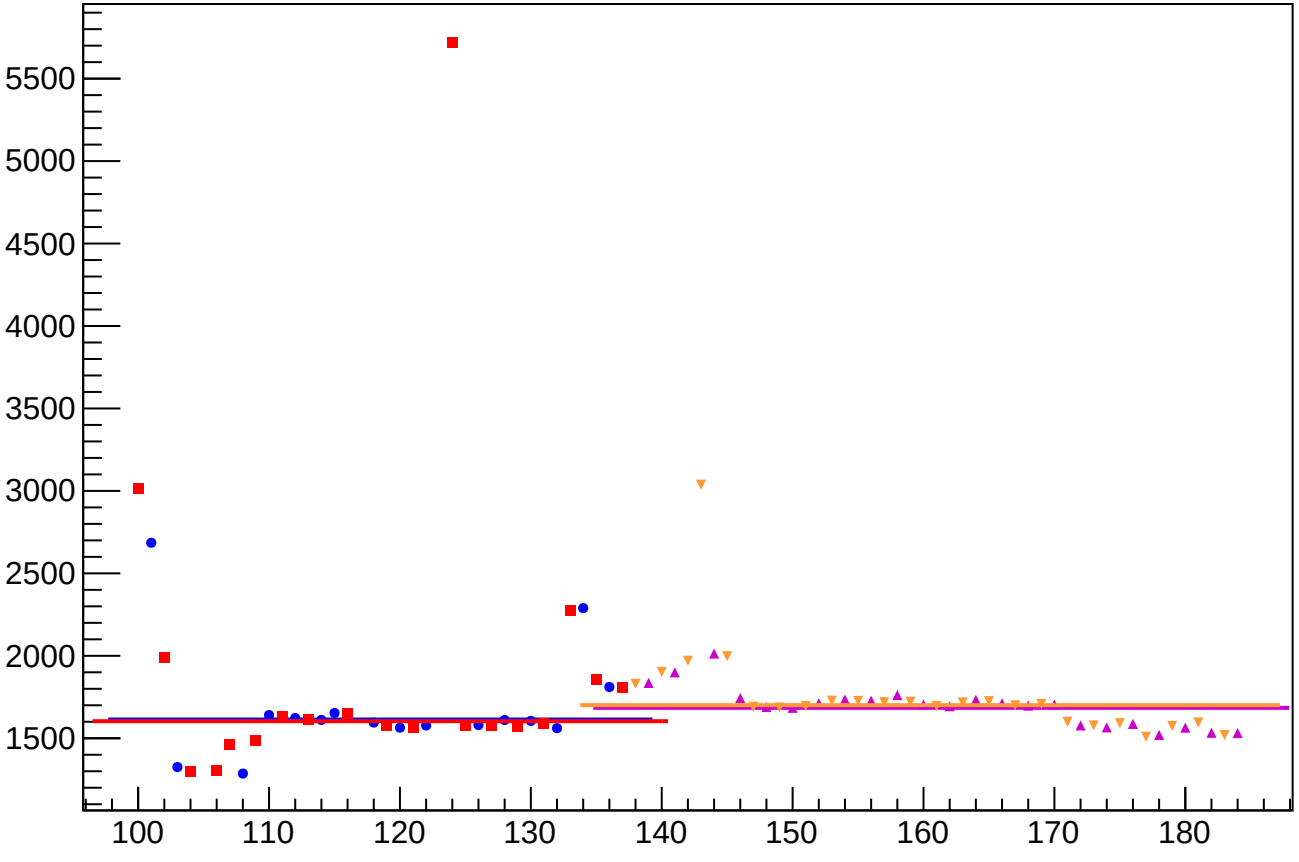
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 640.027+/-329.353 χ^2/NDF: 43.7/39

All: 276.635+/-233.131 χ^2/NDF: 80.5/81

- sign -88.284+/-330.044 χ^2/NDF: 34.4/41

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

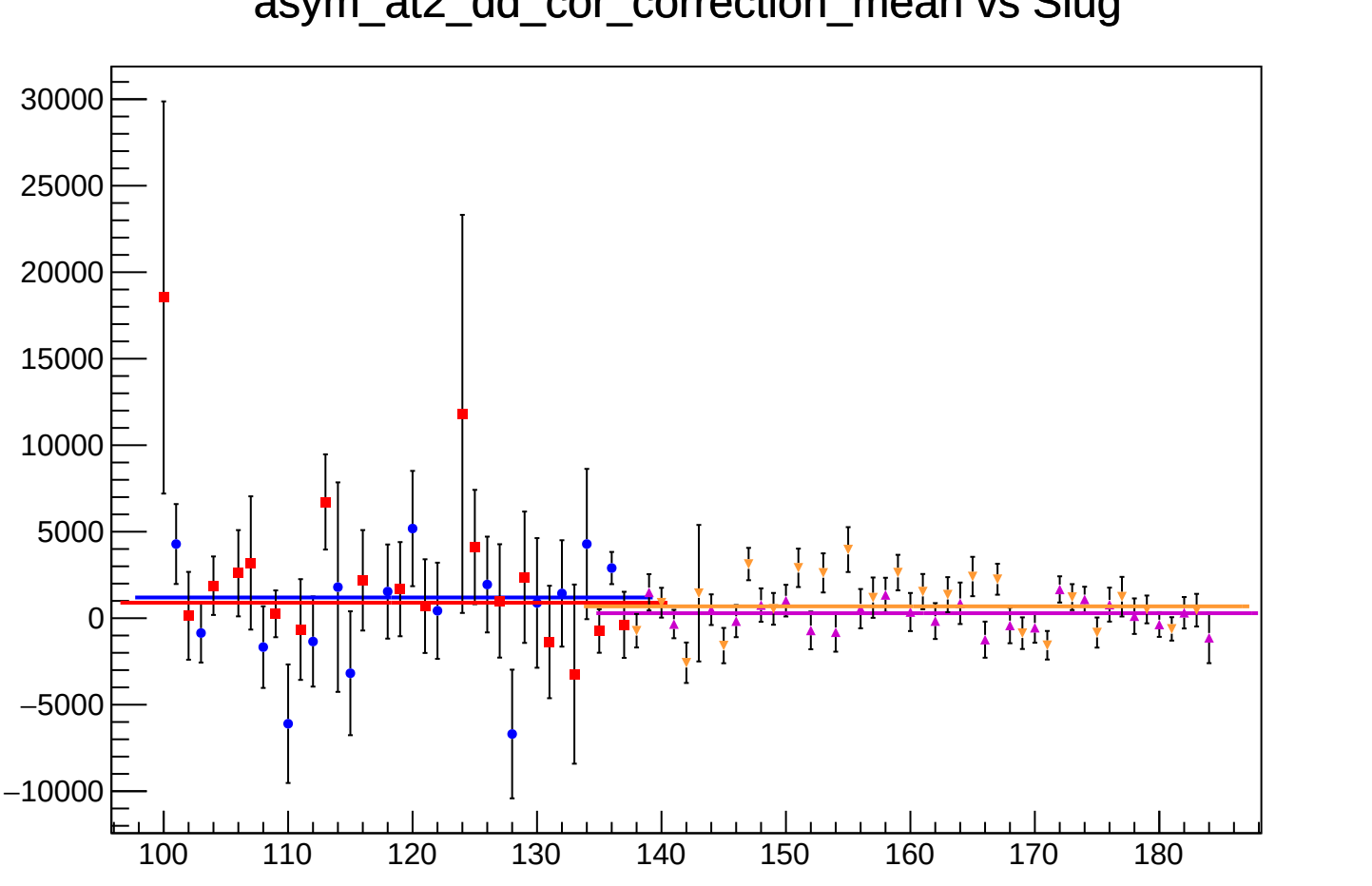
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

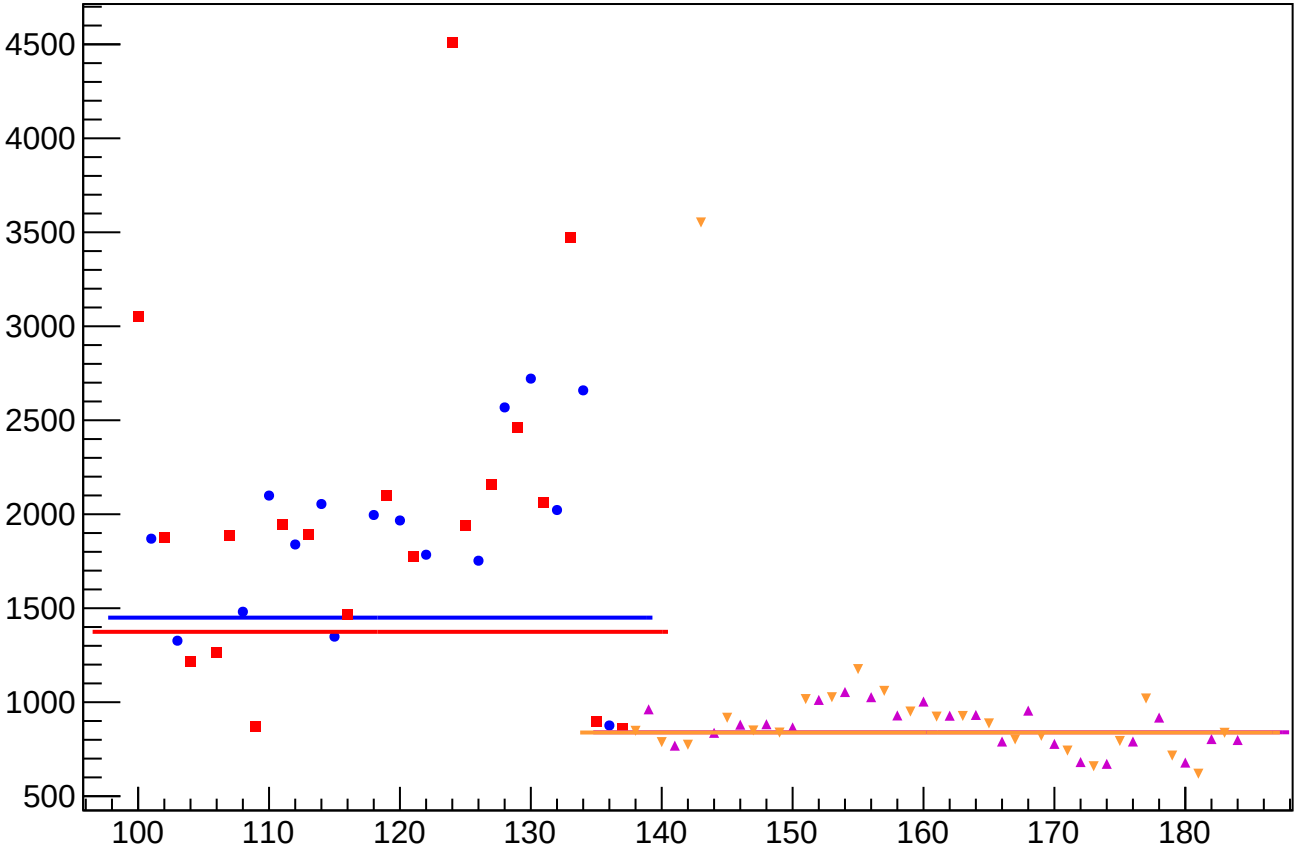
+ sign 1675.328+/-0.233 χ^2/NDF: 920768.2/39

All: 1667.833+/-0.165 χ^2/NDF: 1539323.3/81

- sign 1660.306+/-0.233 χ^2/NDF: 616479.3/41


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: 288.602+/-198.495 χ²/NDF:16.6/22
+ sign 738.577+/-186.626 χ²/NDF: 85.7/39
All: 548.163+/-132.084 χ²/NDF: 119.6/81
- sign 357.058+/-186.964 χ²/NDF: 31.8/41

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

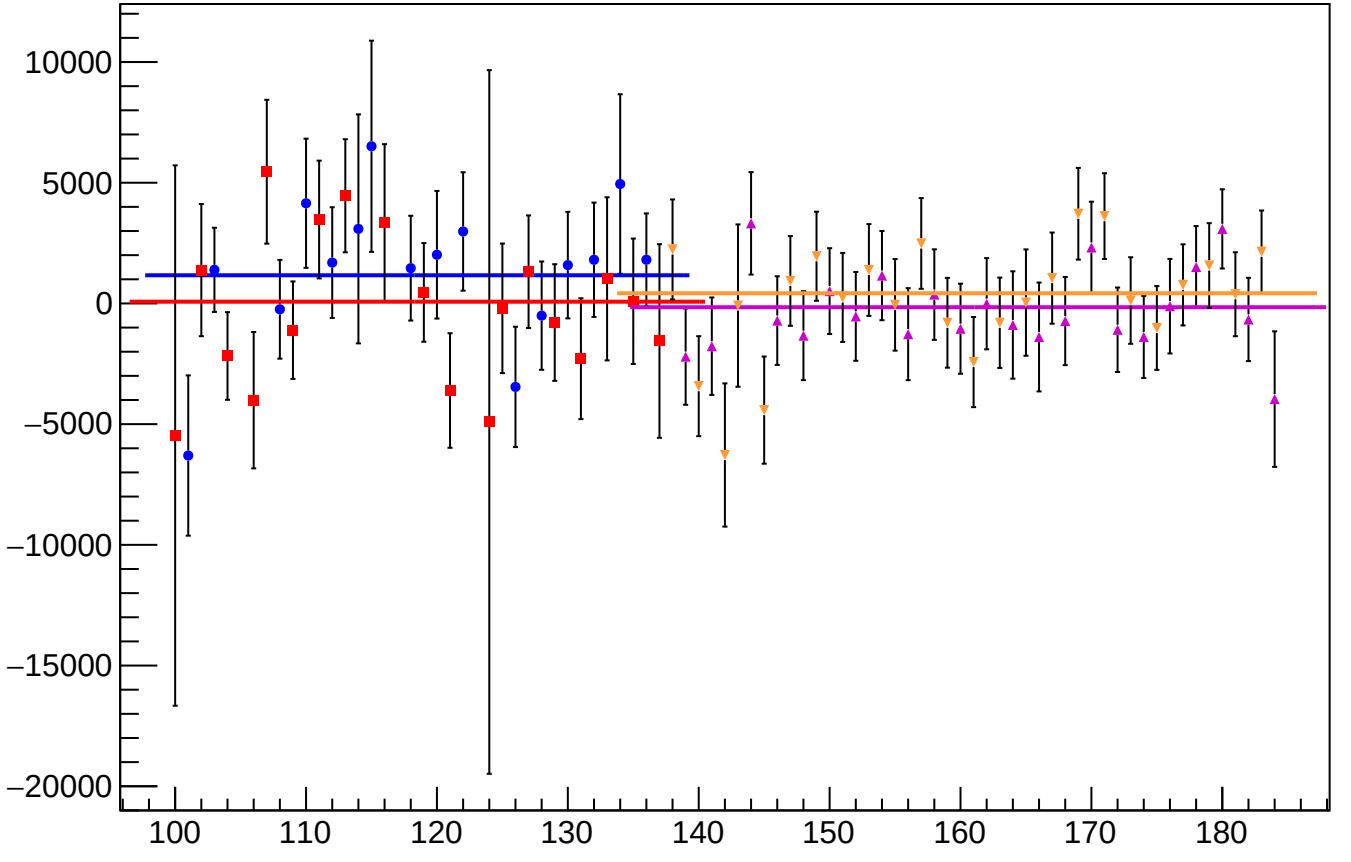
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 902.408+/-0.132 χ^2/NDF: 5593720.7/39

All: 901.340+/-0.093 χ^2/NDF: 10026529.8/81

- sign 900.268+/-0.132 χ^2/NDF: 4432677.8/41

eigen_cor_asym_at2_dd_mean vs Slug



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

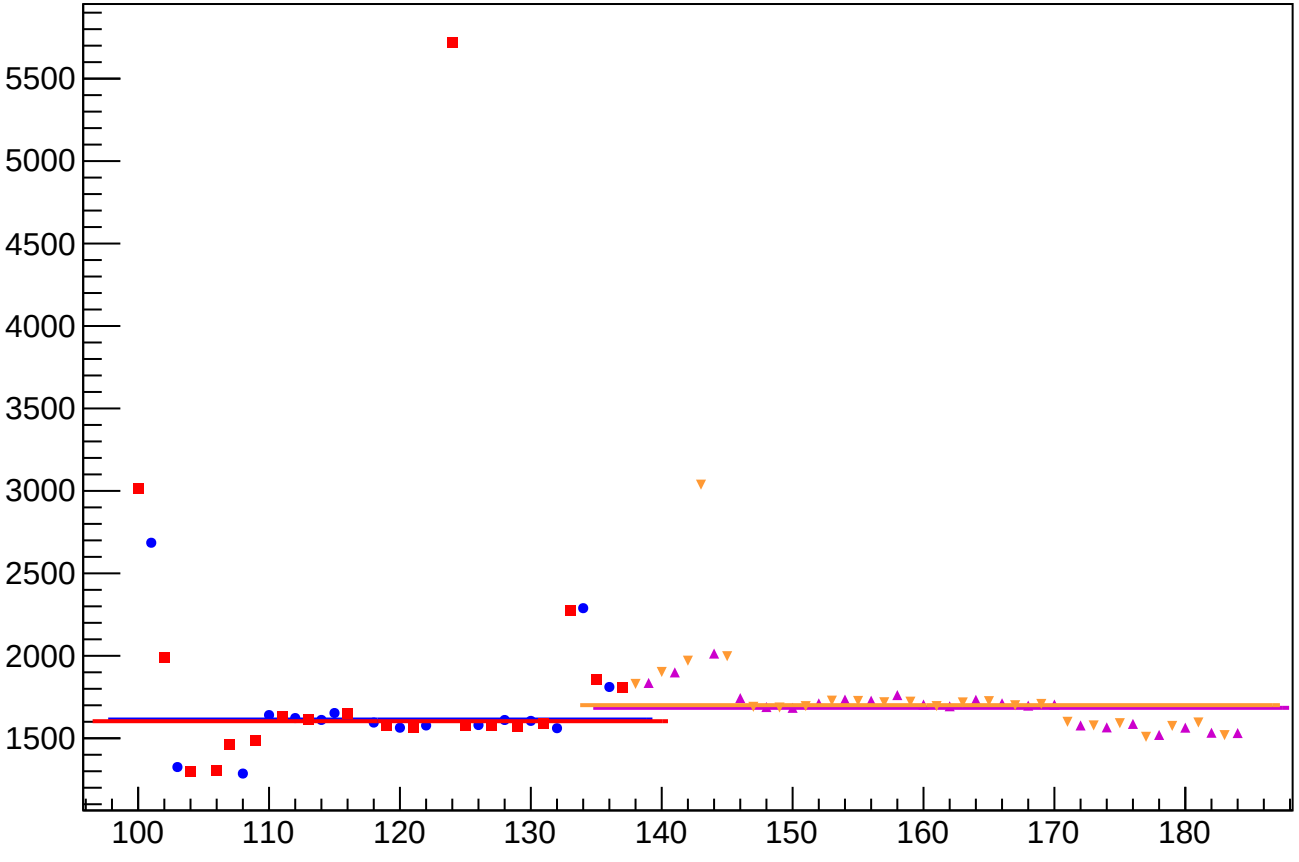
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 640.027+/-329.353 χ^2/NDF: 43.7/39

All: 276.635+/-233.131 χ^2/NDF: 80.5/81

- sign -88.284+/-330.044 χ^2/NDF: 34.4/41

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

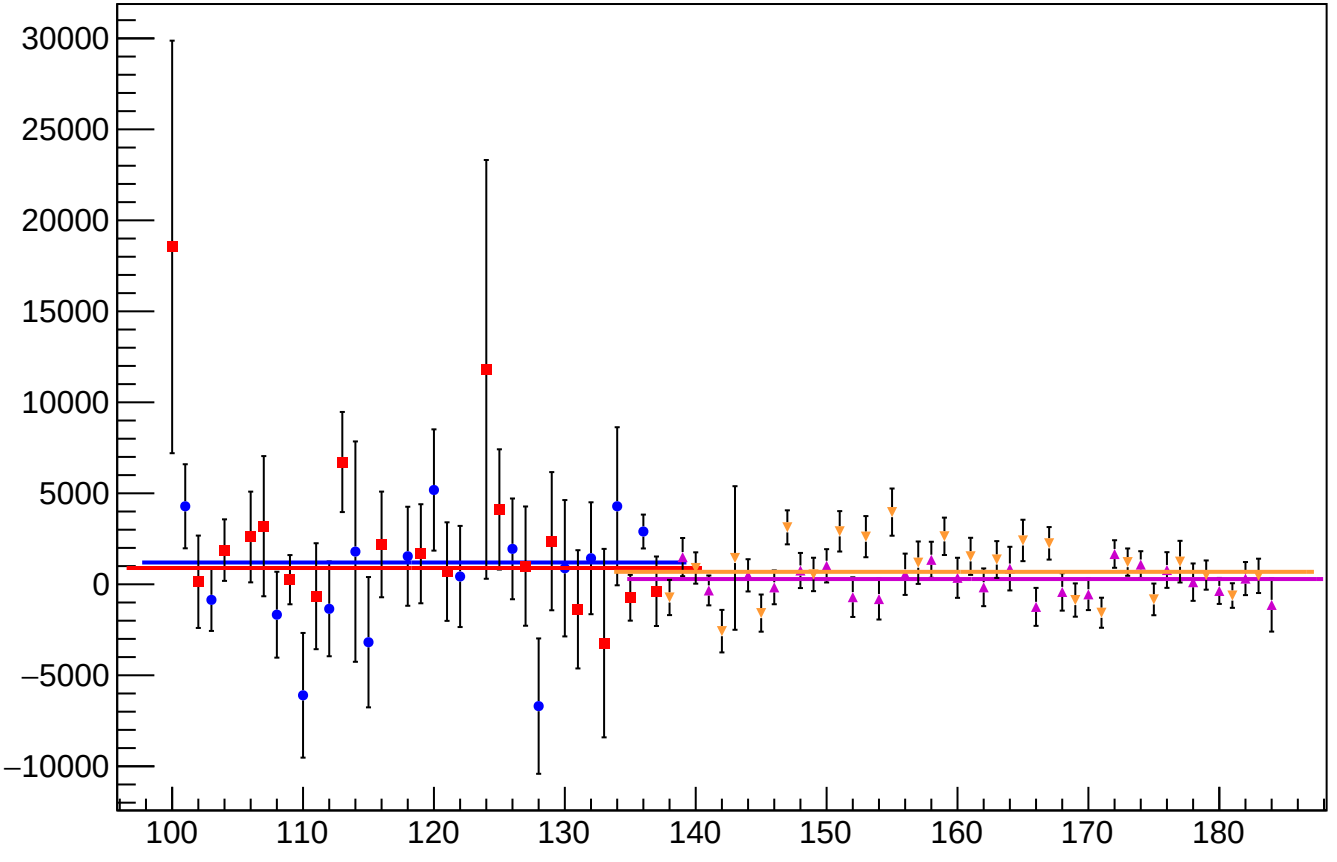
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1675.328+/-0.233 χ^2/NDF: 920768.2/39

All: 1667.833+/-0.165 χ^2/NDF: 1539323.3/81

- sign 1660.306+/-0.233 χ^2/NDF: 616479.3/41

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

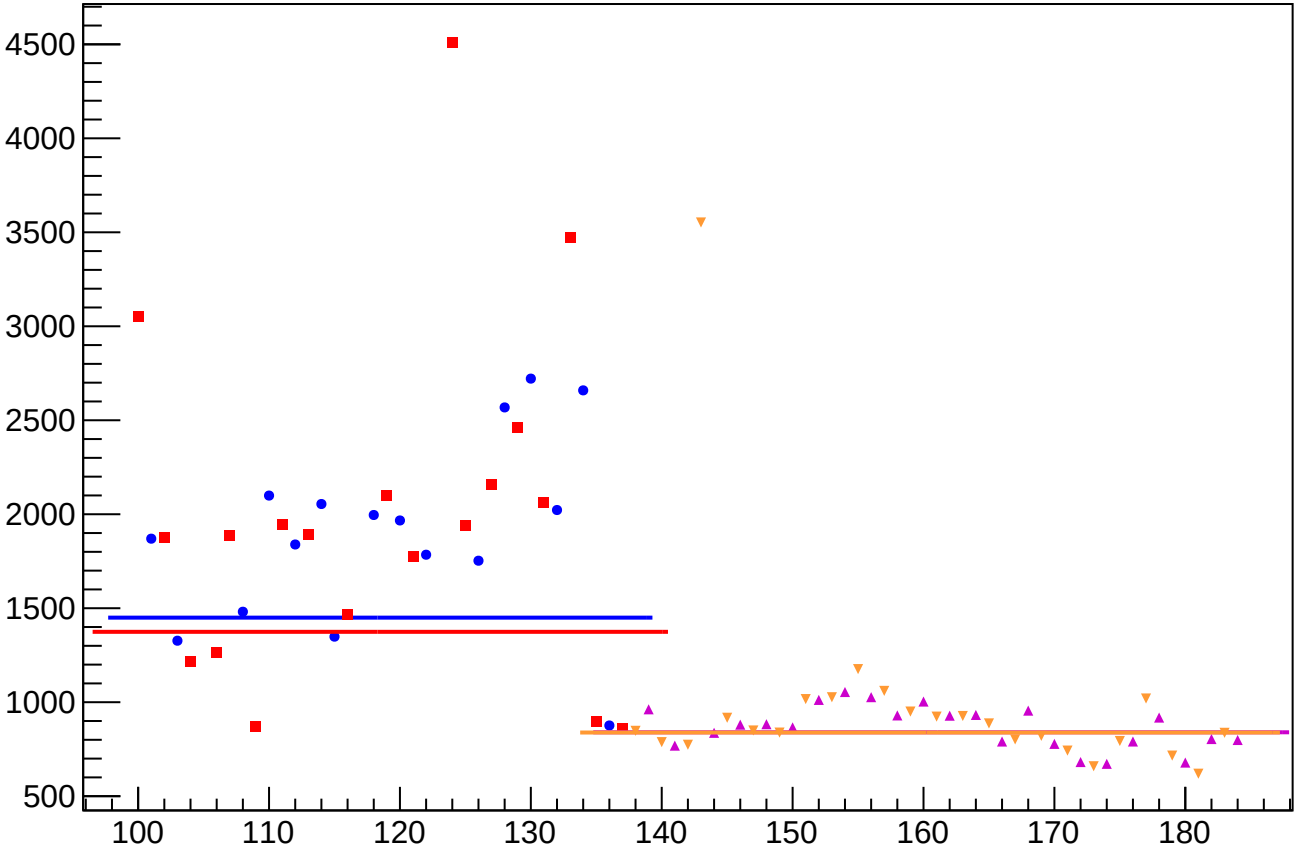
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 738.577+/-186.626 χ^2/NDF: 85.7/39

All: 548.163+/-132.084 χ^2/NDF: 119.6/81

- sign 357.058+/-186.964 χ^2/NDF: 31.8/41

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

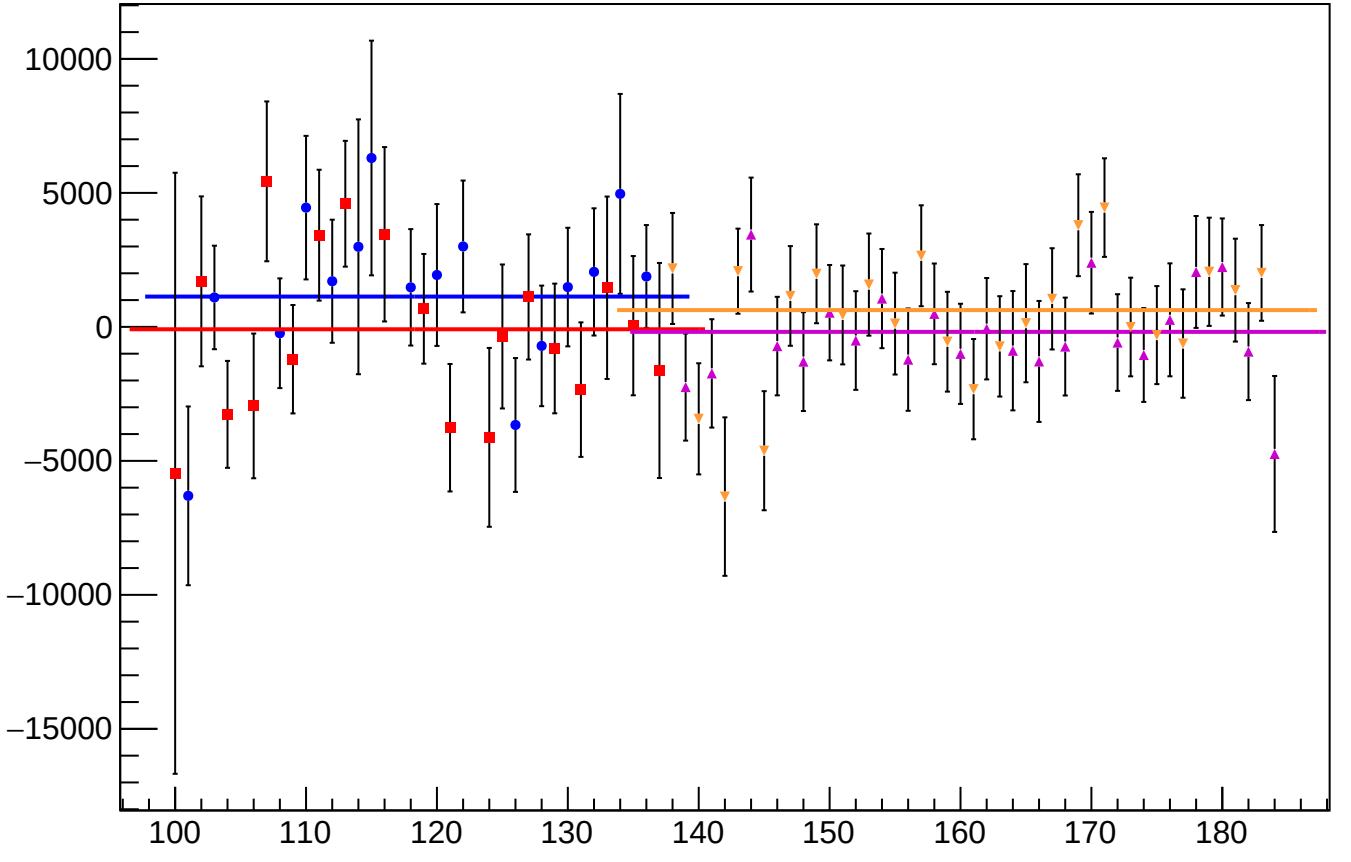
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 902.408+/-0.132 χ^2/NDF: 5593720.7/39

All: 901.340+/-0.093 χ^2/NDF: 10026529.8/81

- sign 900.268+/-0.132 χ^2/NDF: 4432677.8/41

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

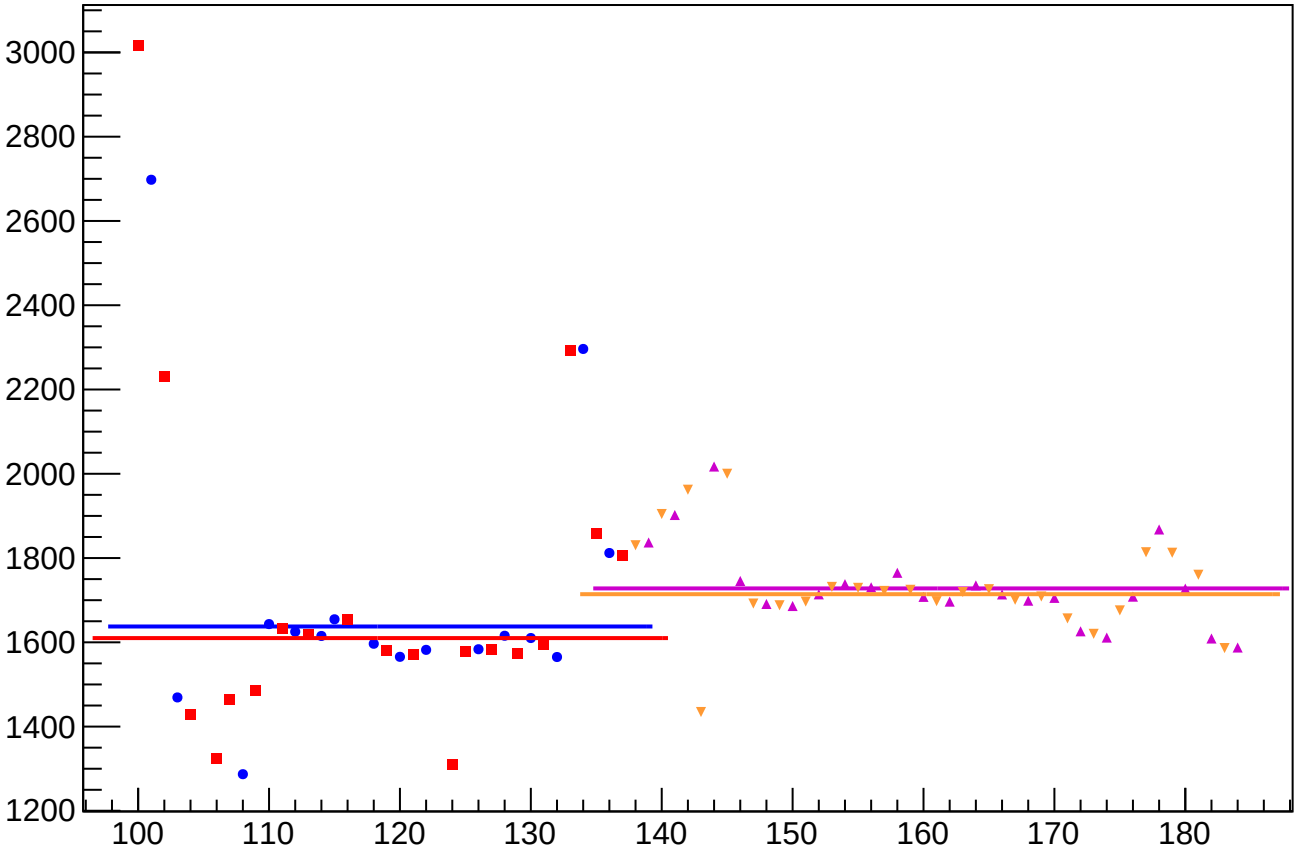
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 771.945+/-331.487 χ^2/NDF: 46.5/39

All: 313.881+/-235.872 χ^2/NDF: 85.6/81

- sign -155.899+/-335.700 χ^2/NDF: 35.1/41

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

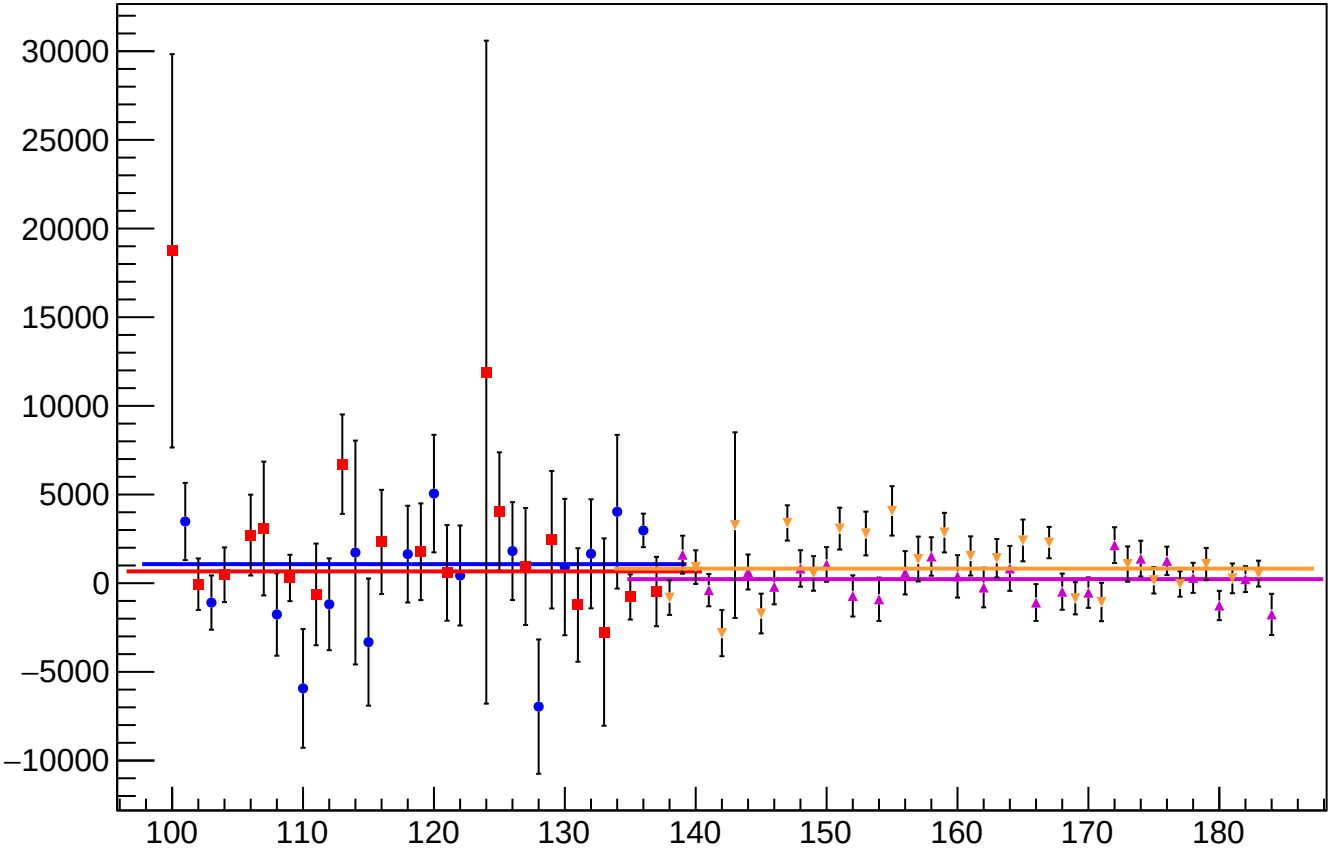
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1692.117+/-0.234 χ^2/NDF: 546323.3/39

All: 1691.758+/-0.167 χ^2/NDF: 980094.2/81

- sign 1691.389+/-0.237 χ^2/NDF: 433766.1/41

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

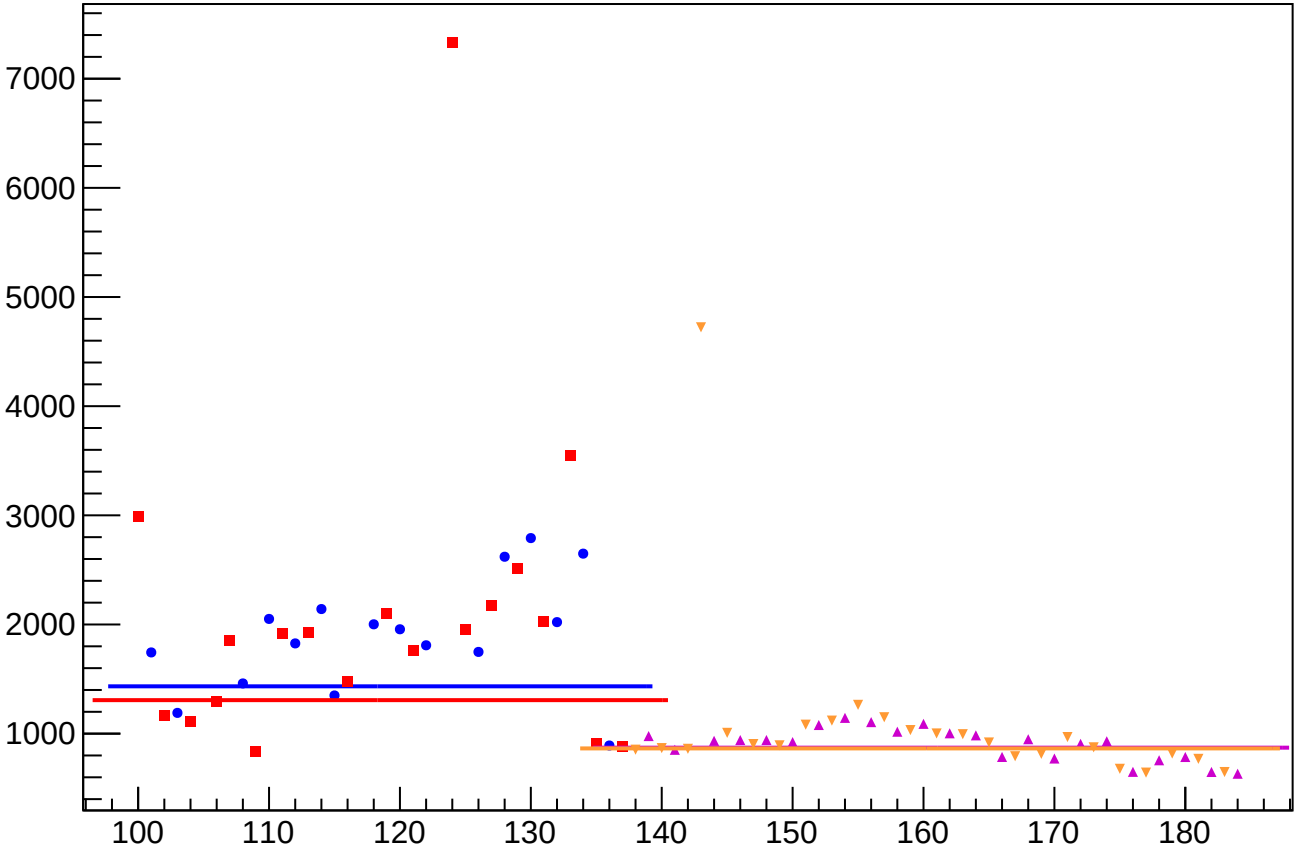
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 852.907+/-192.408 χ^2/NDF: 74.8/39

All: 570.273+/-136.000 χ^2/NDF: 115.9/81

\- sign 288.081+/-192.258 χ^2/NDF: 36.8/41

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

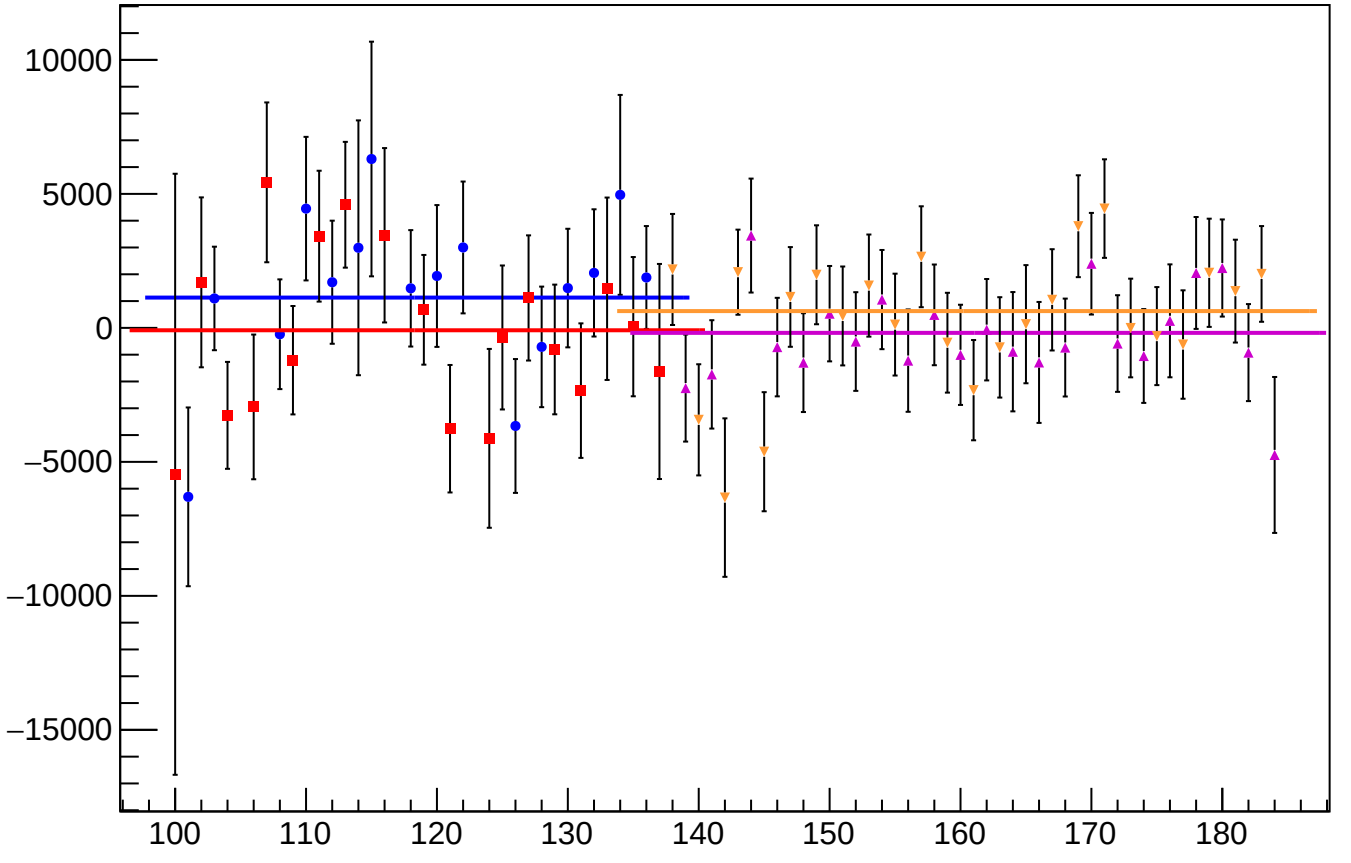
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 929.079+/-0.136 χ^2/NDF: 5732953.5/39

All: 929.664+/-0.096 χ^2/NDF: 10092894.7/81

- sign 930.249+/-0.136 χ^2/NDF: 4359904.2/41

eigen_dit_asym_at2_dd_mean vs Slug



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

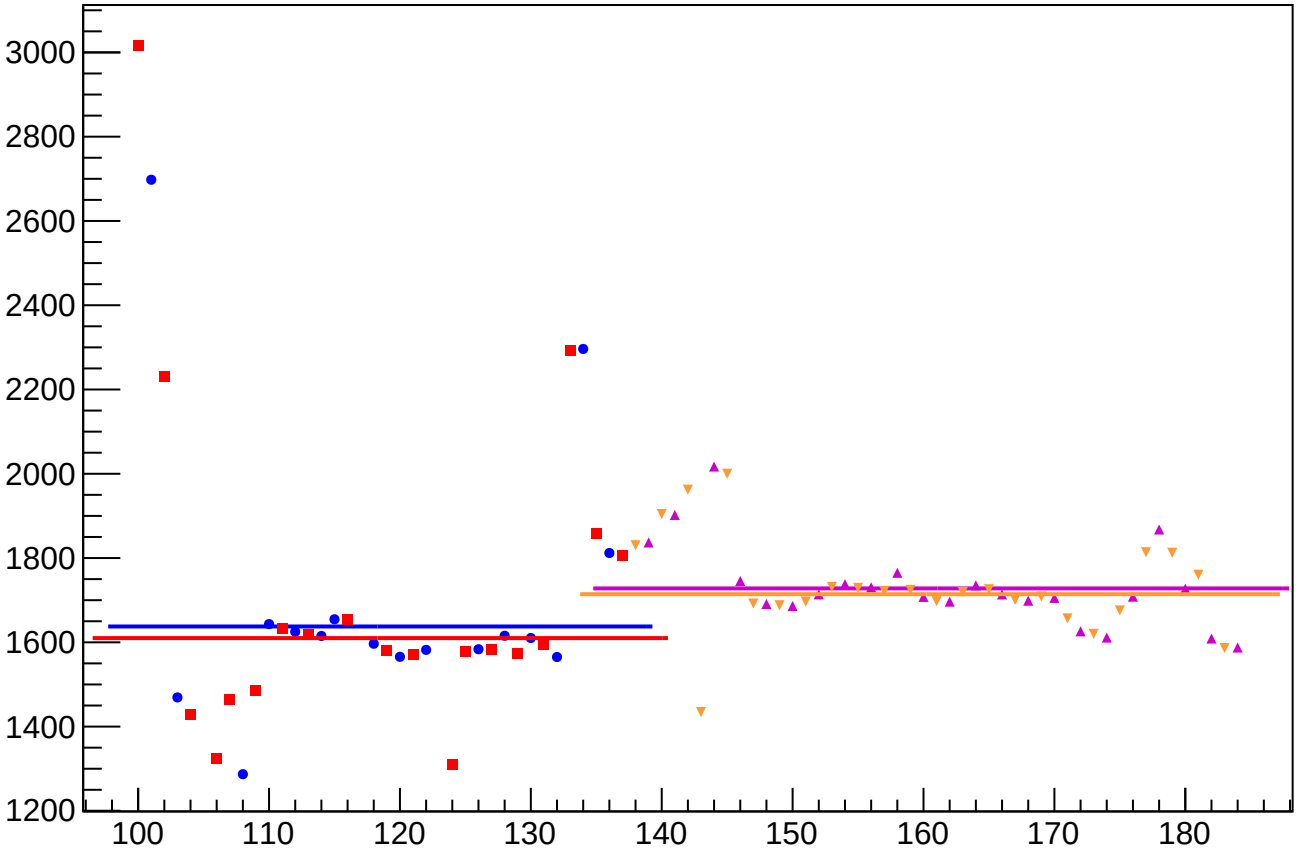
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 771.942+/-331.487 χ^2/NDF: 46.5/39

All: 313.879+/-235.872 χ^2/NDF: 85.6/81

- sign -155.901+/-335.700 χ^2/NDF: 35.1/41

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

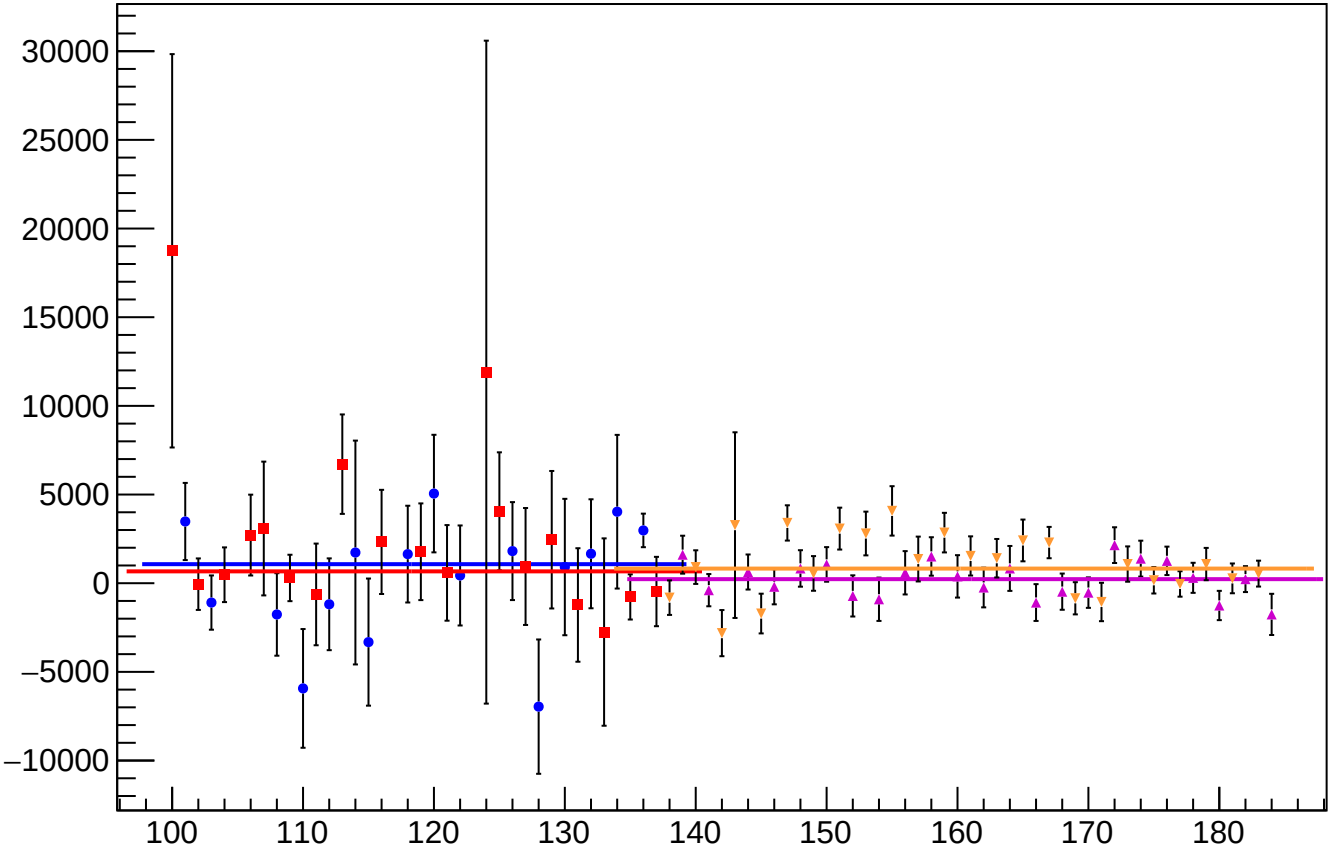
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1692.117+/-0.234 χ^2/NDF: 546321.8/39

All: 1691.758+/-0.167 χ^2/NDF: 980092.6/81

- sign 1691.389+/-0.237 χ^2/NDF: 433766.0/41

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

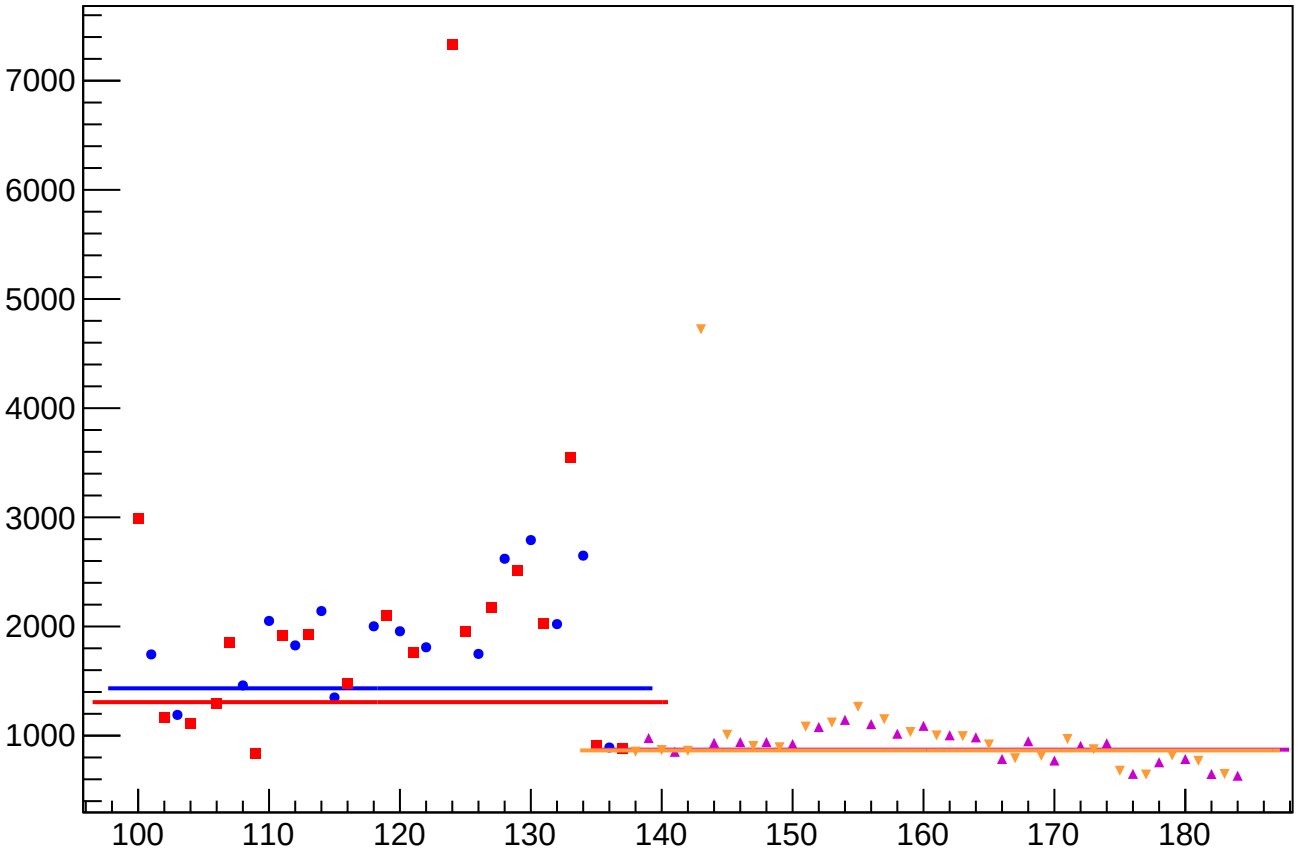
Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 852.908+/-192.408 χ^2/NDF: 74.8/39

All: 570.273+/-136.000 χ^2/NDF: 115.9/81

- sign 288.079+/-192.258 χ^2/NDF: 36.8/41



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

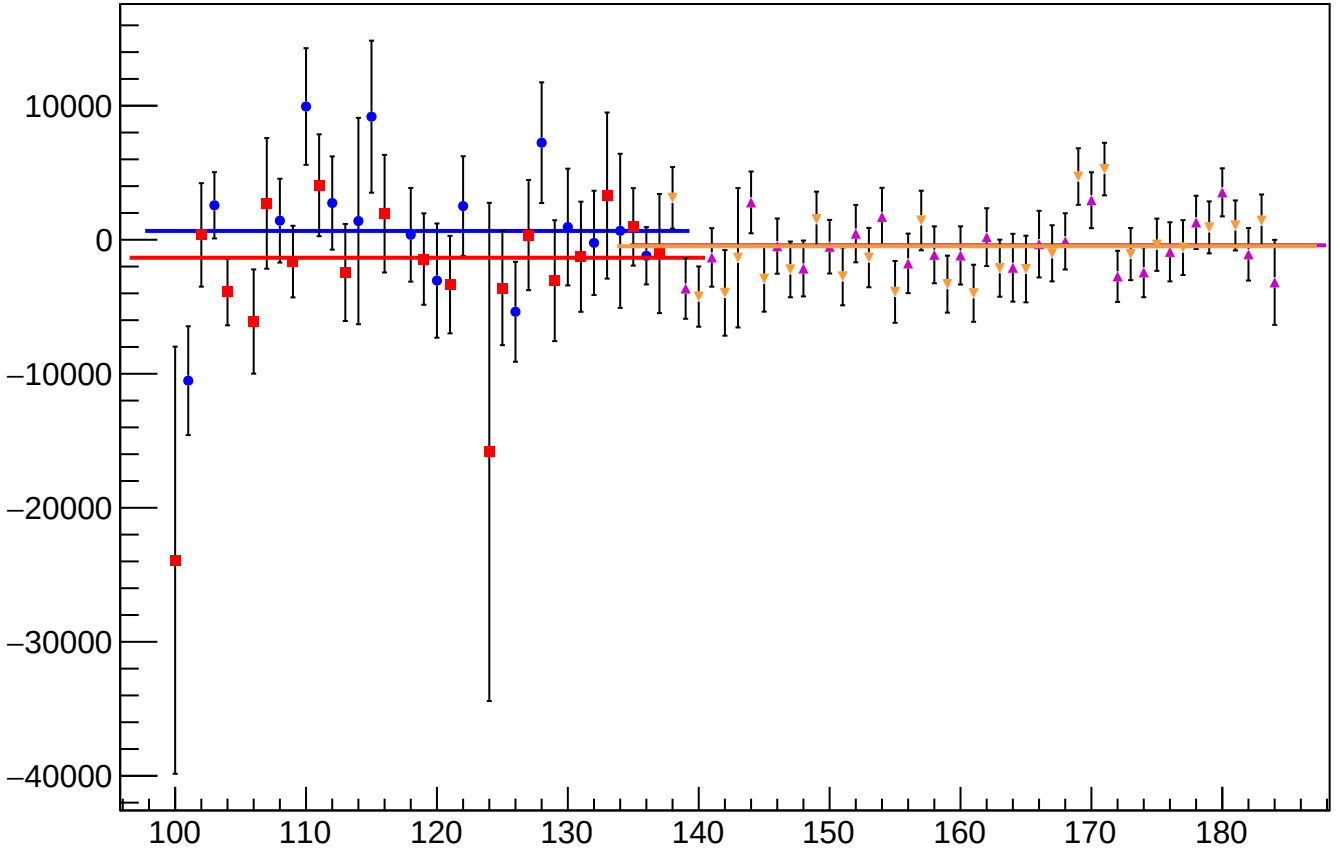
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 929.080+/-0.136 χ^2/NDF: 5732922.4/39

All: 929.665+/-0.096 χ^2/NDF: 10092860.5/81

- sign 930.249+/-0.136 χ^2/NDF: 4359901.2/41

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

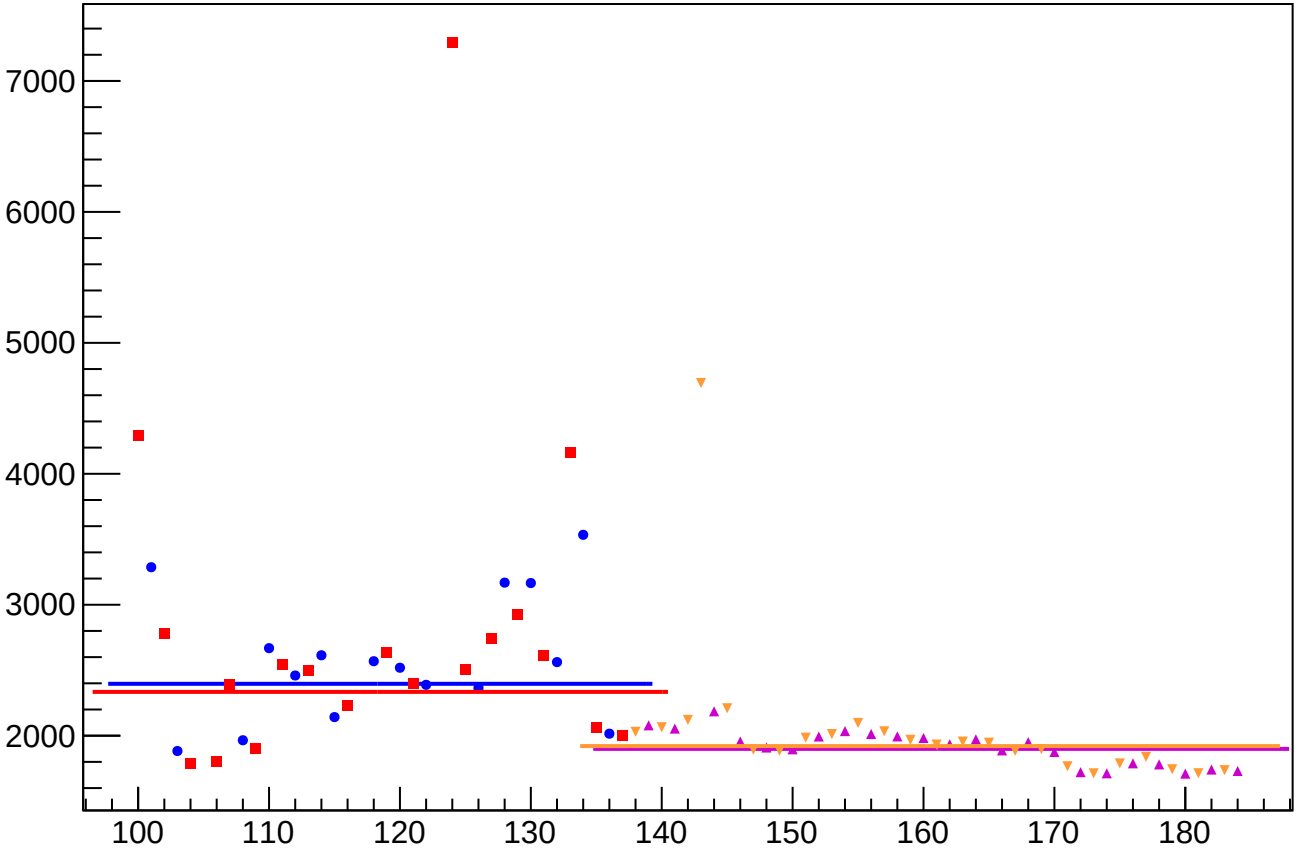
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -263.016+/-398.801 χ^2/NDF: 59.1/39

All: -430.432+/-281.628 χ^2/NDF: 90.0/81

- sign -596.980+/-397.766 χ^2/NDF: 30.6/41

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

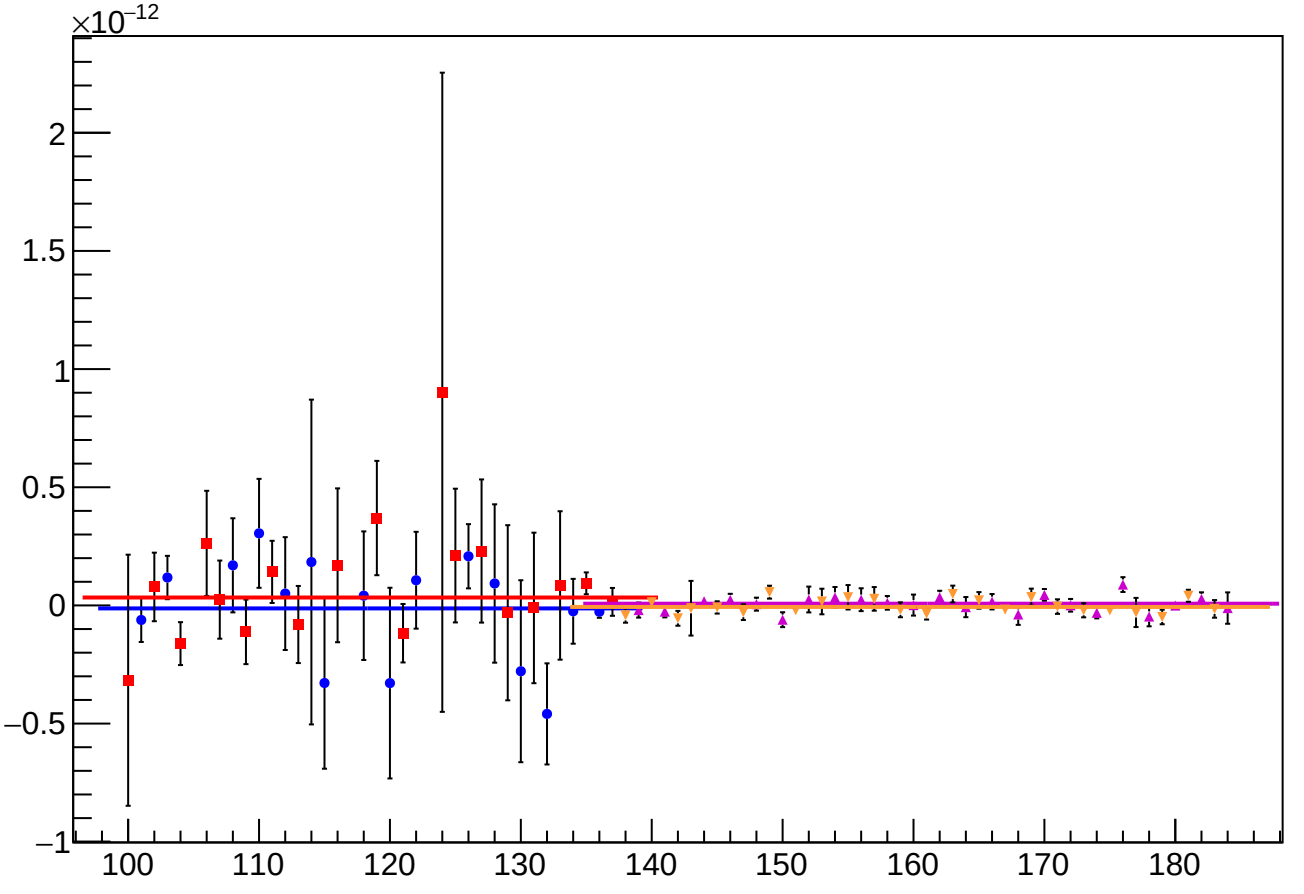
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2012.121+/-0.282 χ^2/NDF: 1698503.2/39

All: 1999.073+/-0.199 χ^2/NDF: 2940309.2/81

- sign 1986.092+/-0.281 χ^2/NDF: 1237535.1/41

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

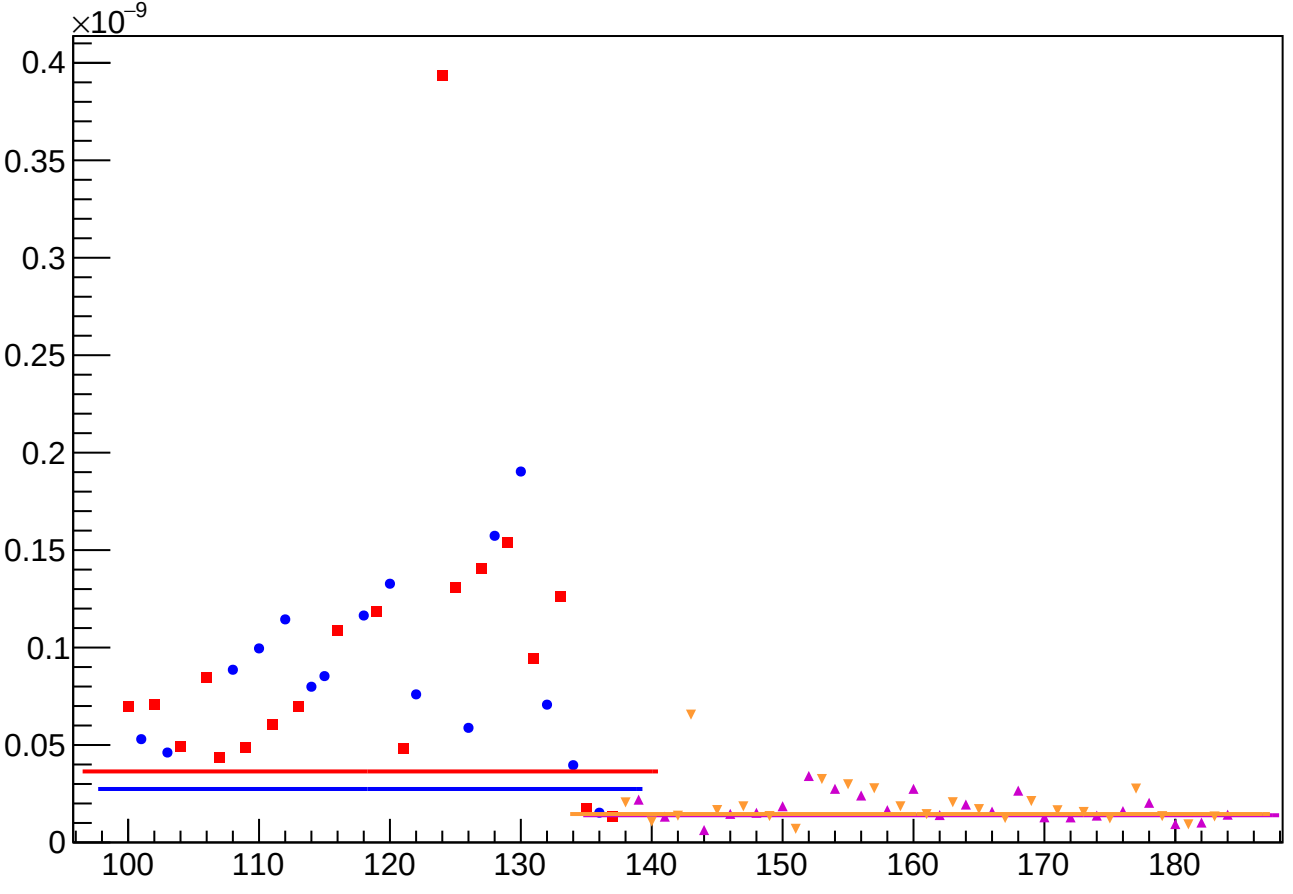
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/39

All: 0.000+/-0.000 χ^2/NDF: 84.1/81

- sign 0.000+/-0.000 χ^2/NDF: 41.1/41

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

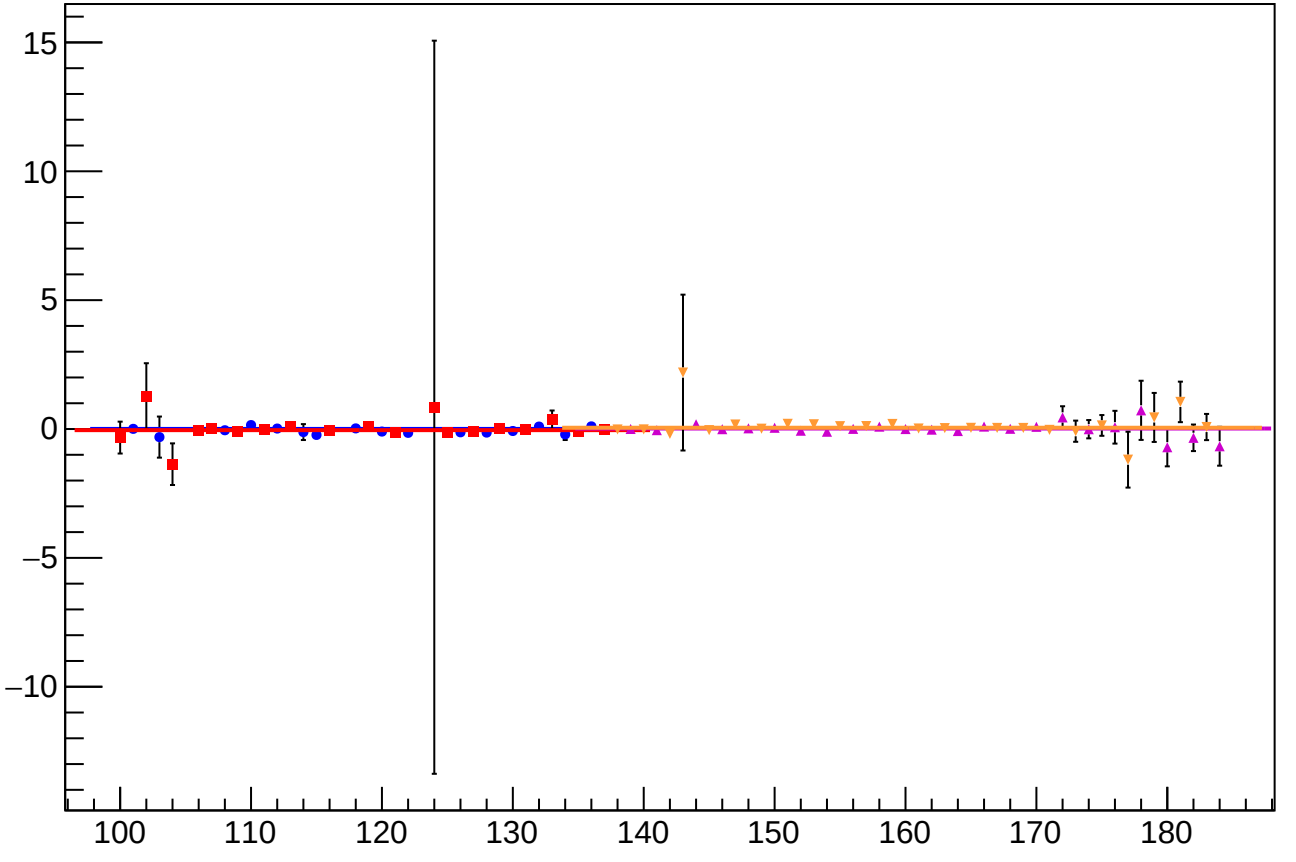
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5221910.9/39

All: 0.000+/-0.000 χ^2/NDF: 10851805.7/81

- sign 0.000+/-0.000 χ^2/NDF: 5621724.9/41

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

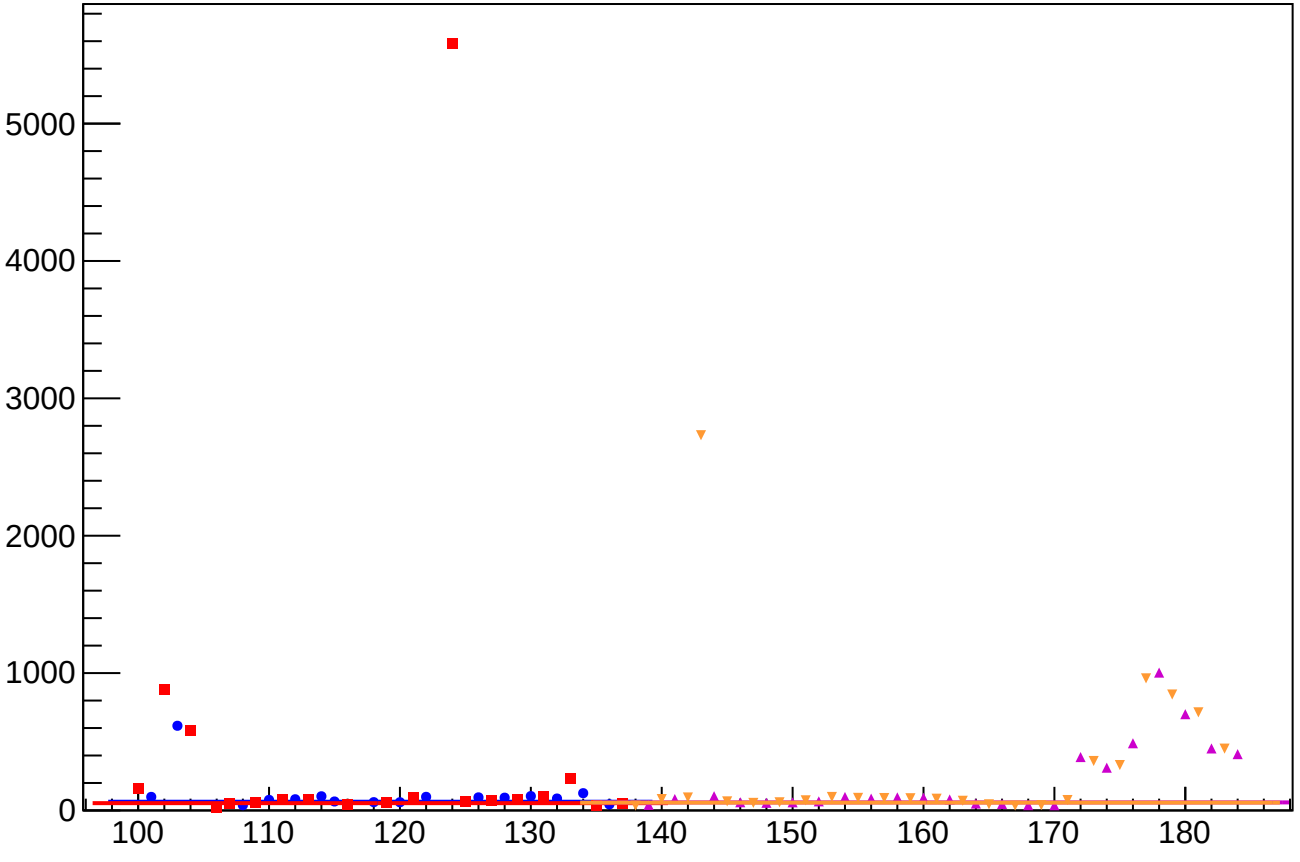
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/39

All: 0.017+/-0.010 χ^2/NDF: 74.2/81

- sign -0.001+/-0.014 χ^2/NDF: 32.4/41

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

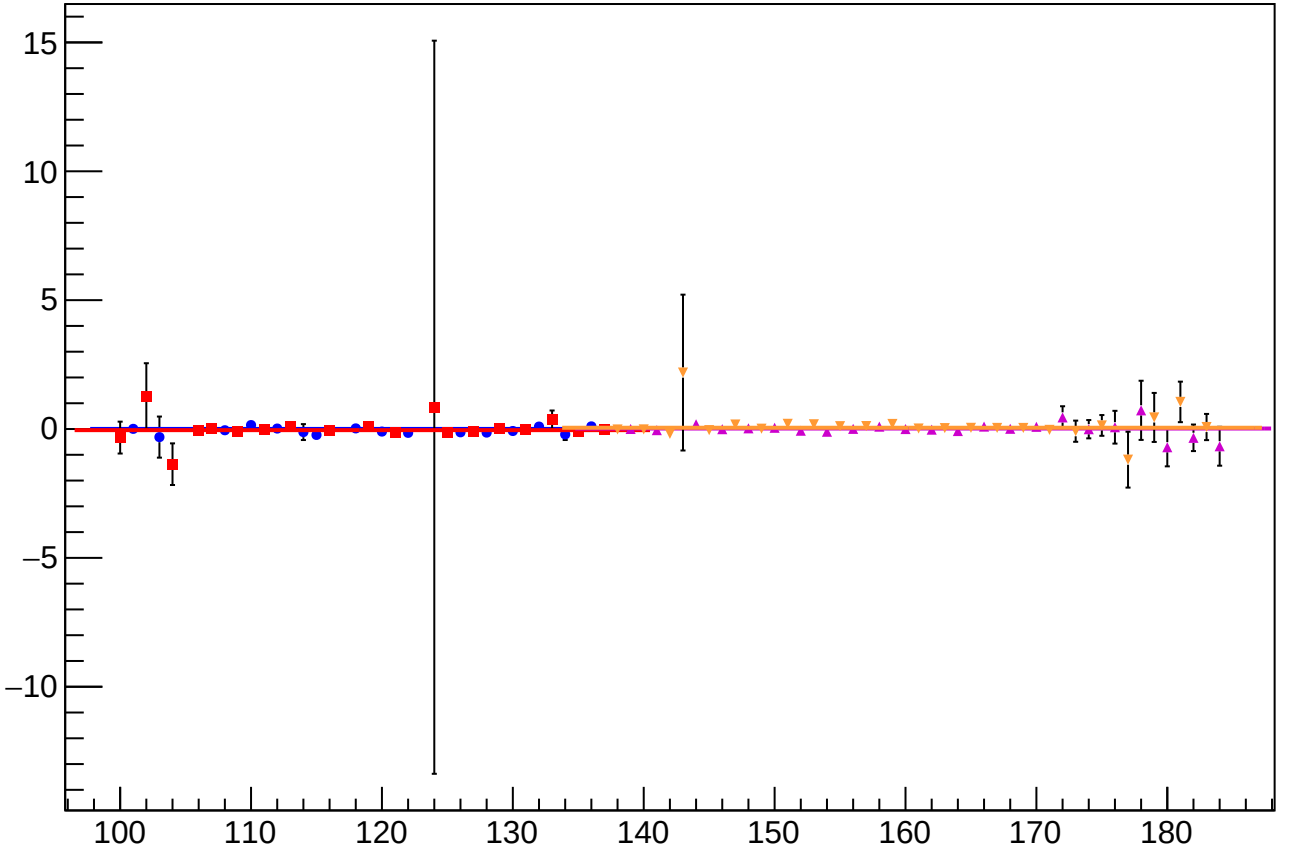
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 58.885+/-0.010 χ^2/NDF: 14470624.5/39

All: 57.842+/-0.007 χ^2/NDF: 28747885.6/81

- sign 56.848+/-0.010 χ^2/NDF: 14256886.2/41

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

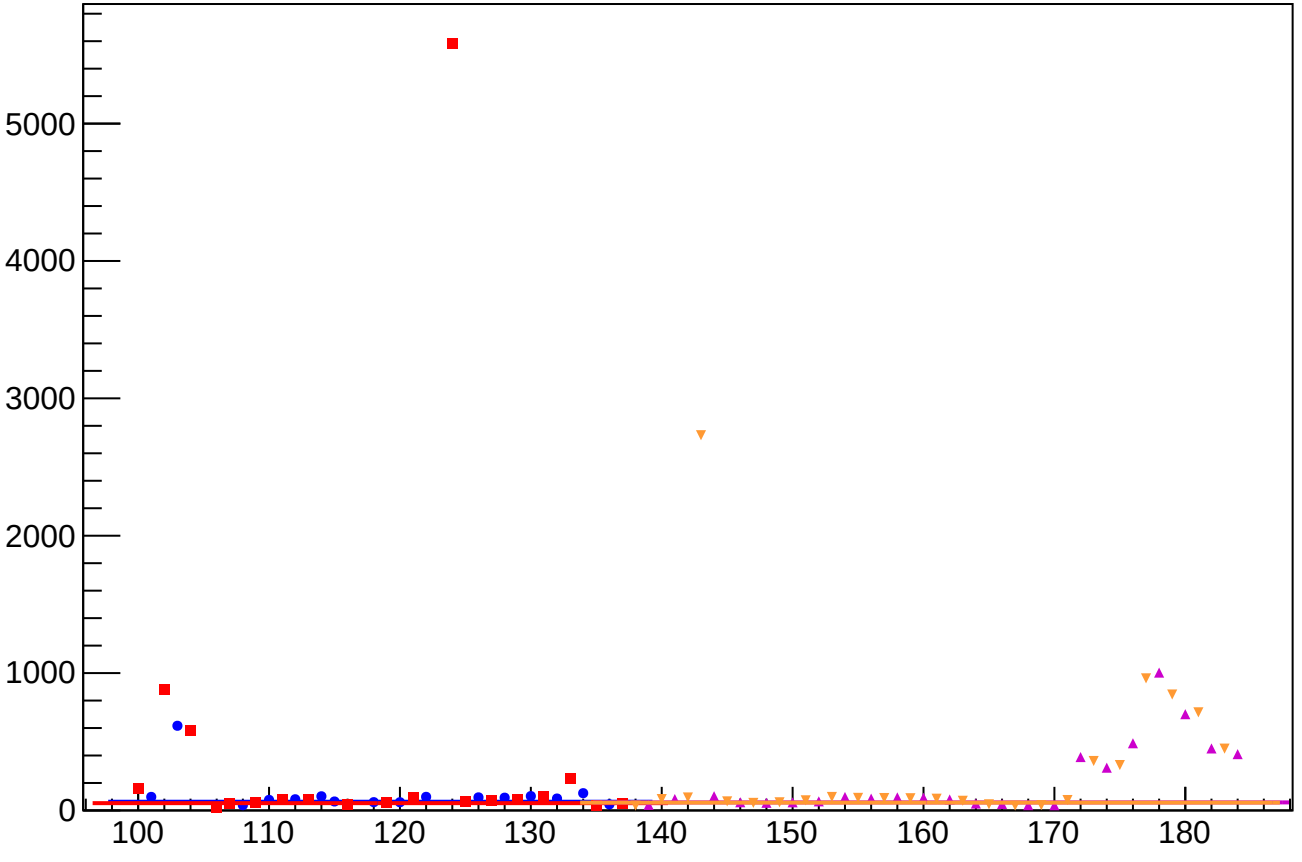
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/39

All: 0.017+/-0.010 χ^2/NDF: 74.2/81

- sign -0.001+/-0.014 χ^2/NDF: 32.4/41

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

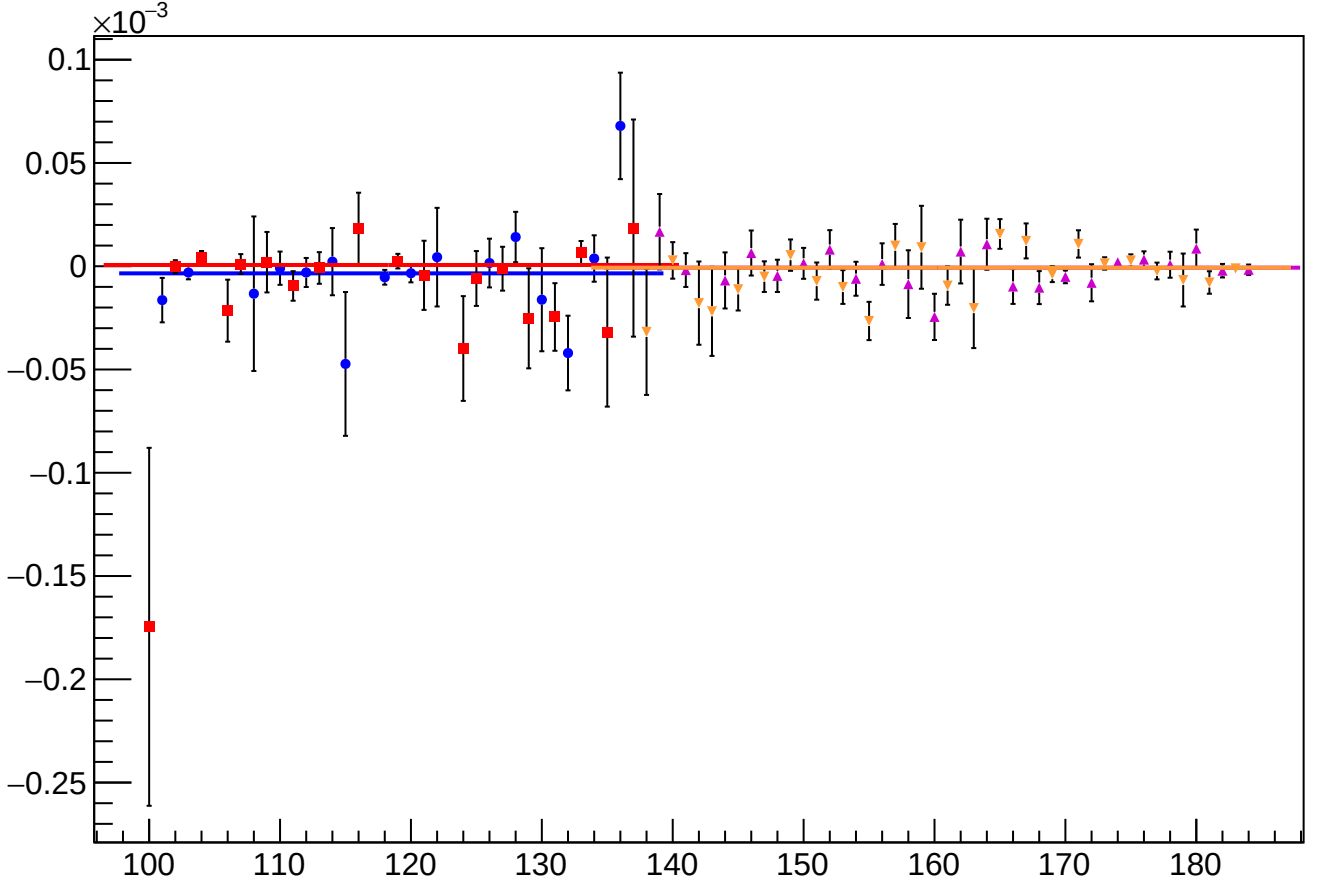
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 58.885+/-0.010 χ^2/NDF: 14470624.5/39

All: 57.842+/-0.007 χ^2/NDF: 28747885.6/81

- sign 56.848+/-0.010 χ^2/NDF: 14256886.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.7/23

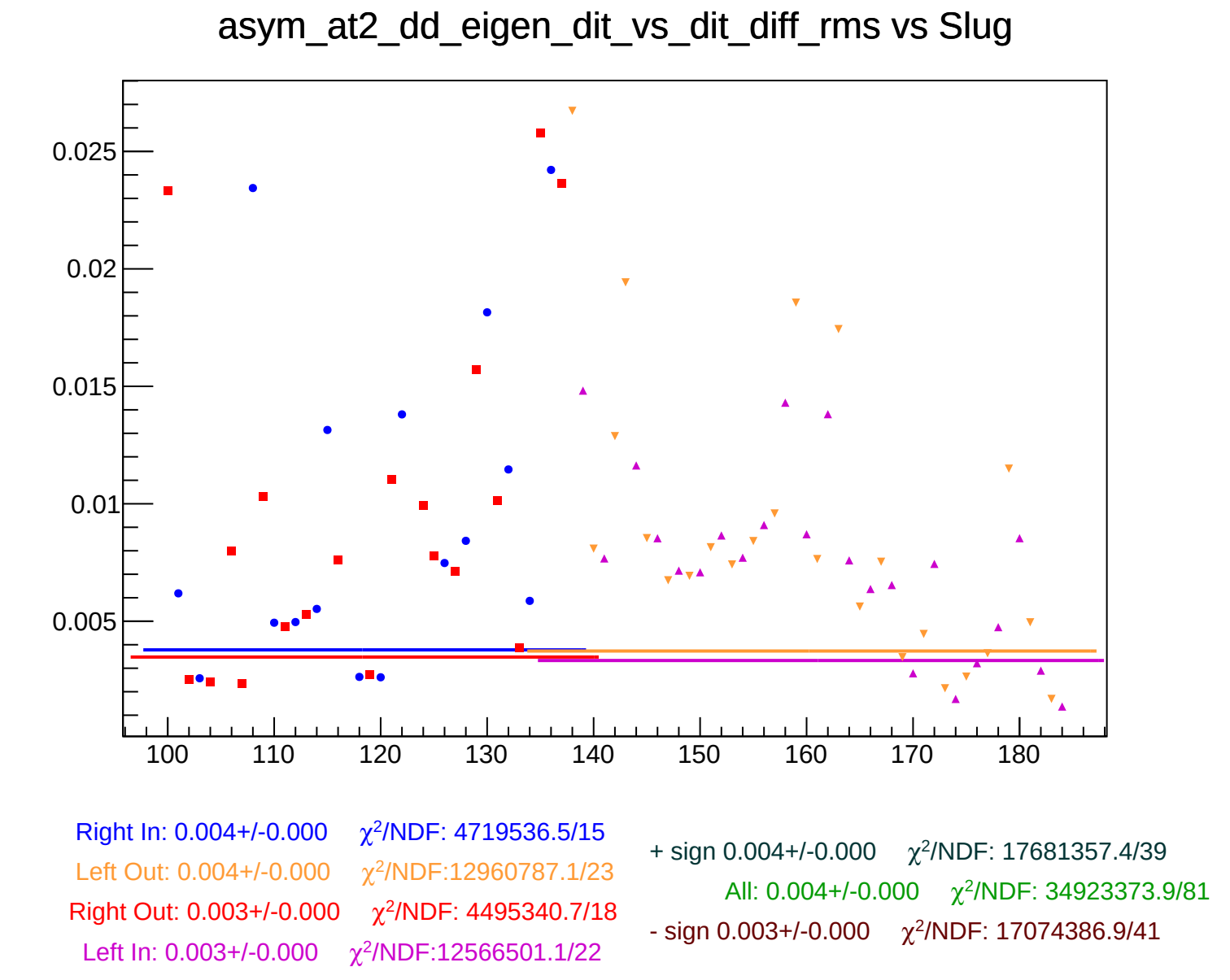
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

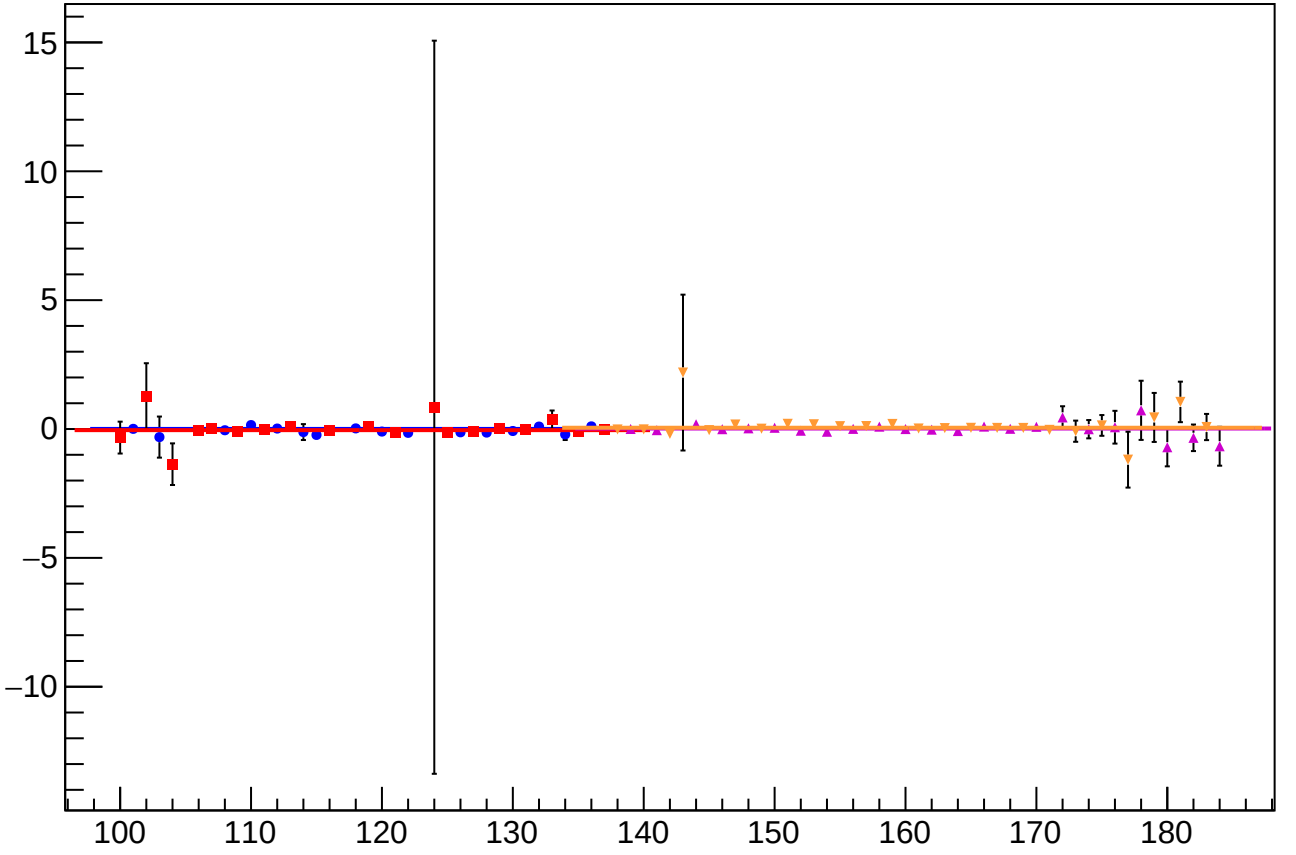
+ sign -0.000+/-0.000 χ^2/NDF: 53.3/39

All: -0.000+/-0.000 χ^2/NDF: 92.5/81

- sign -0.000+/-0.000 χ^2/NDF: 38.5/41


asym_at2_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: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.004+/-0.000 χ²/NDF:12960787.1/23
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.004+/-0.000 χ²/NDF: 17681357.4/39
All: 0.004+/-0.000 χ²/NDF: 34923373.9/81
- sign 0.003+/-0.000 χ²/NDF: 17074386.9/41

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

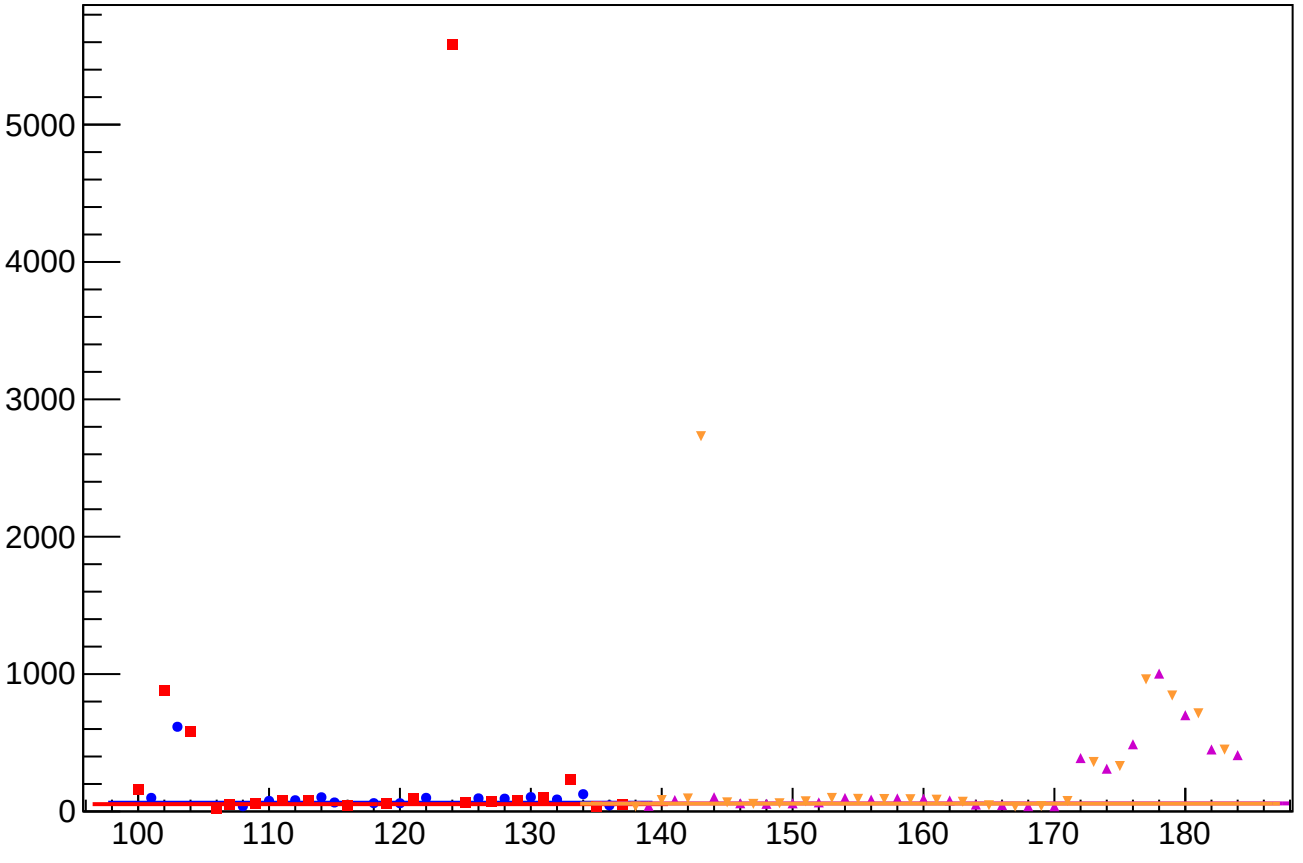
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/39

All: 0.017+/-0.010 χ^2/NDF: 74.2/81

- sign -0.001+/-0.014 χ^2/NDF: 32.4/41

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

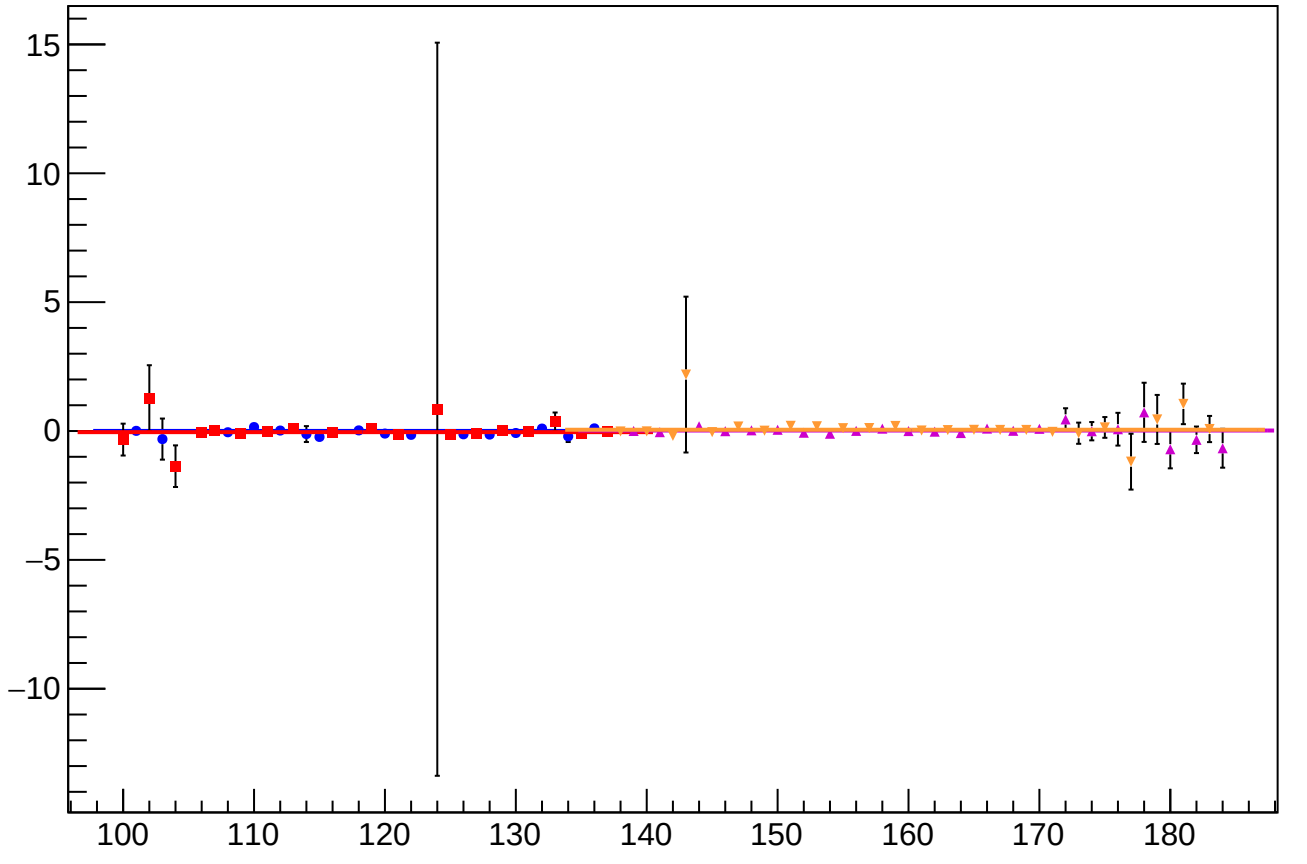
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 58.886+/-0.010 χ^2/NDF: 14469705.6/39

All: 57.843+/-0.007 χ^2/NDF: 28747222.4/81

- sign 56.848+/-0.010 χ^2/NDF: 14257109.5/41



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:23.0/23

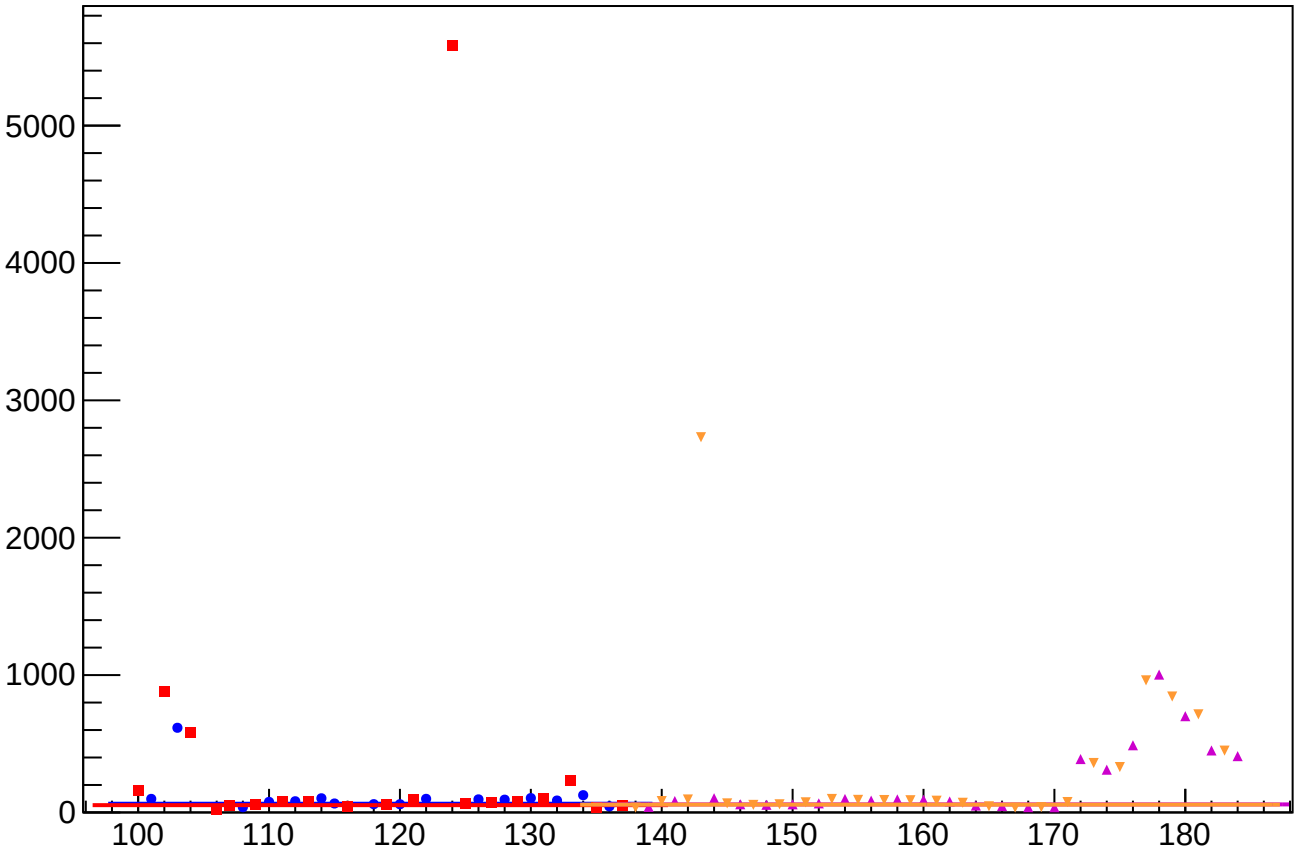
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.036+/-0.014 χ^2/NDF: 38.4/39

All: 0.017+/-0.010 χ^2/NDF: 74.2/81

- sign -0.001+/-0.014 χ^2/NDF: 32.4/41



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

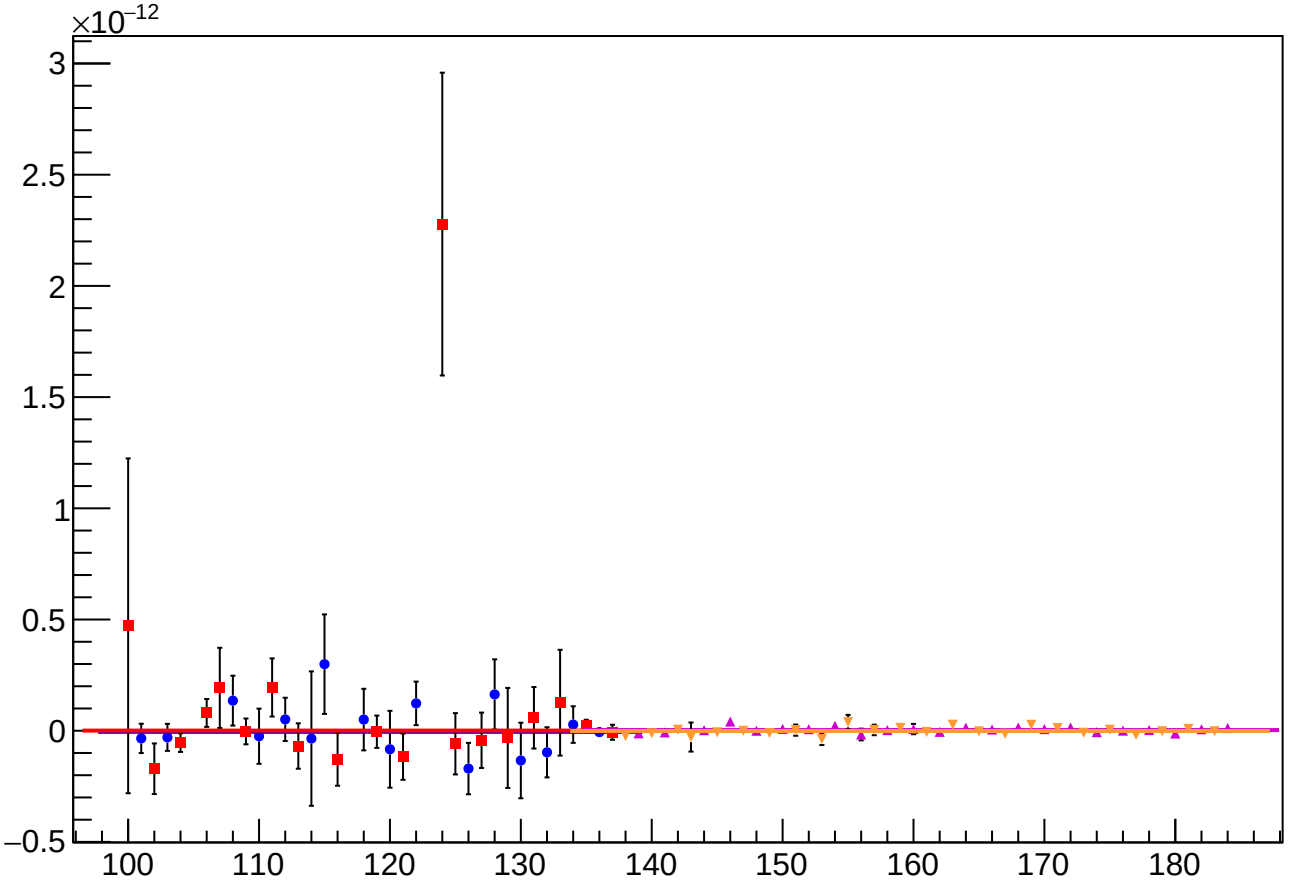
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 58.886+/-0.010 χ^2/NDF: 14469705.6/39

All: 57.843+/-0.007 χ^2/NDF: 28747222.4/81

- sign 56.848+/-0.010 χ^2/NDF: 14257109.5/41

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

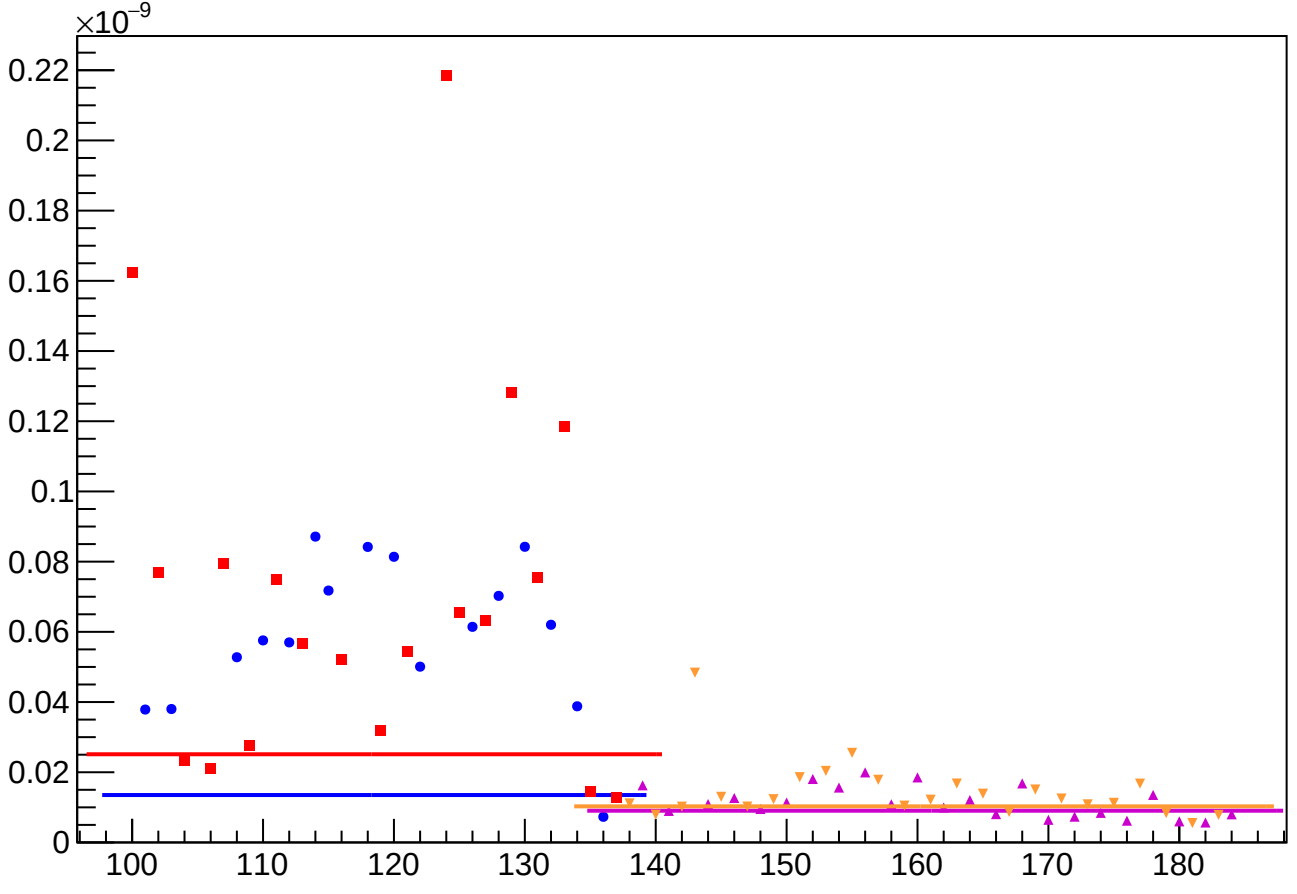
Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/39

All: 0.000+/-0.000 χ^2/NDF: 68.8/81

- sign 0.000+/-0.000 χ^2/NDF: 40.5/41

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

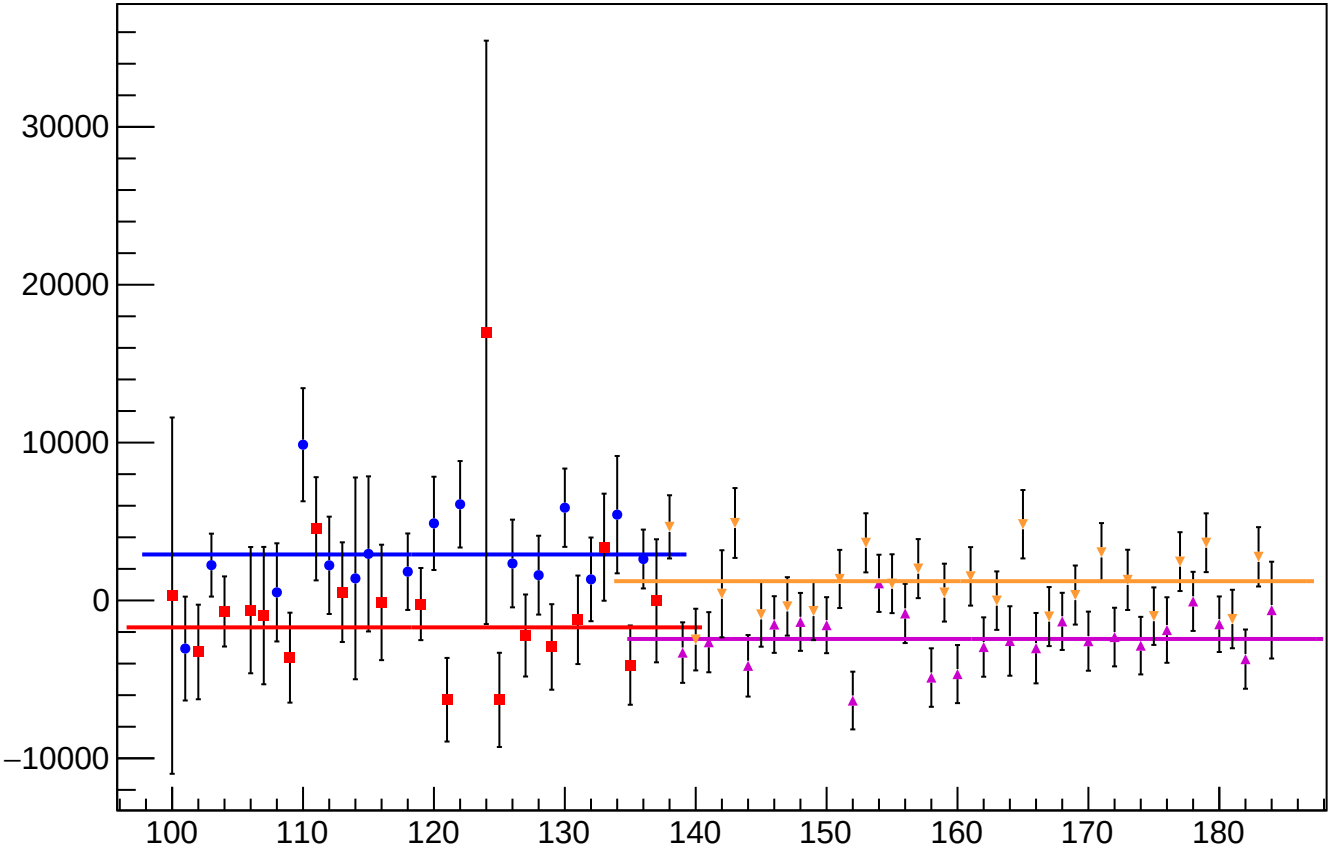
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8805686.5/39

All: 0.000+/-0.000 χ^2/NDF: 17751453.7/81

- sign 0.000+/-0.000 χ^2/NDF: 8833172.7/41

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

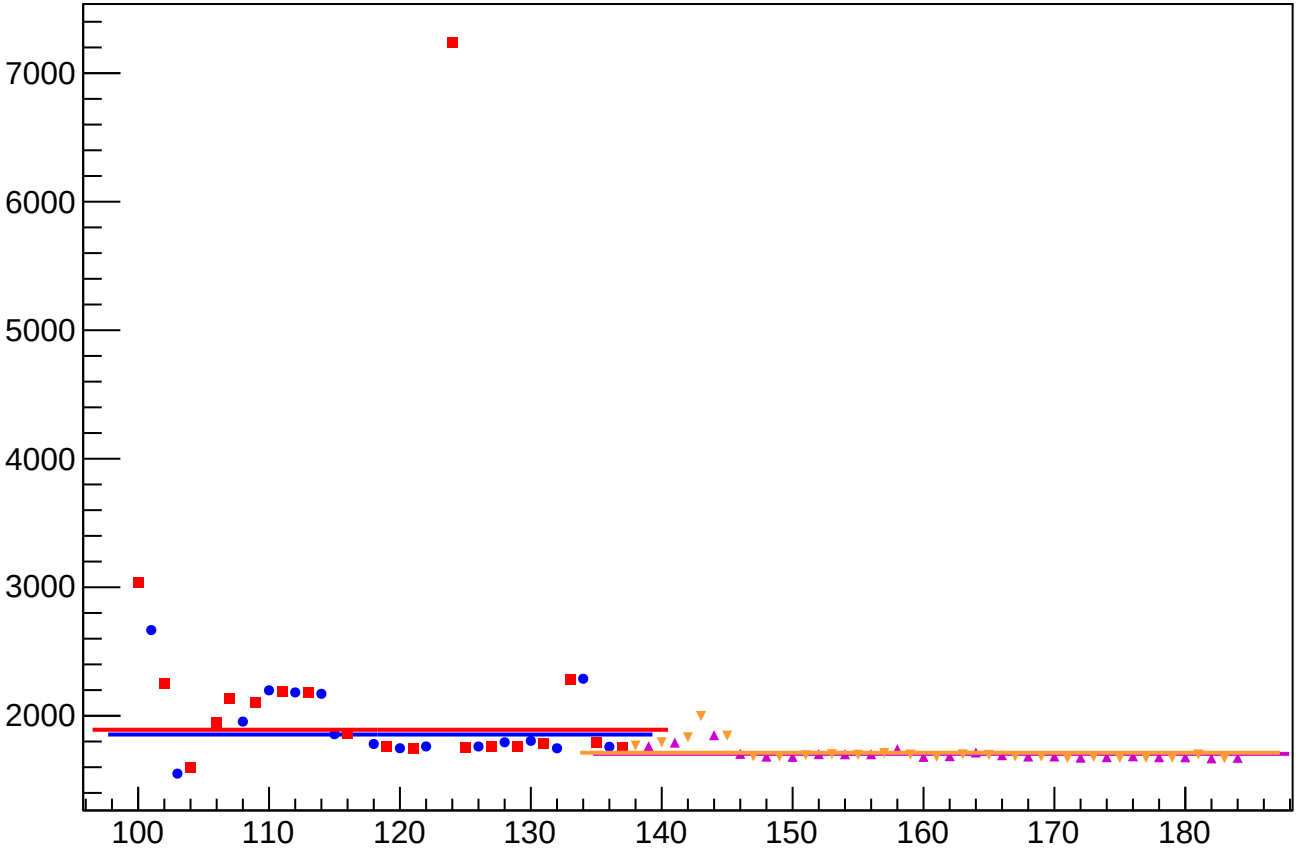
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1629.253+/-341.409 χ^2/NDF: 43.1/39

All: -286.145+/-243.290 χ^2/NDF: 141.2/81

- sign -2262.313+/-346.783 χ^2/NDF: 34.1/41

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

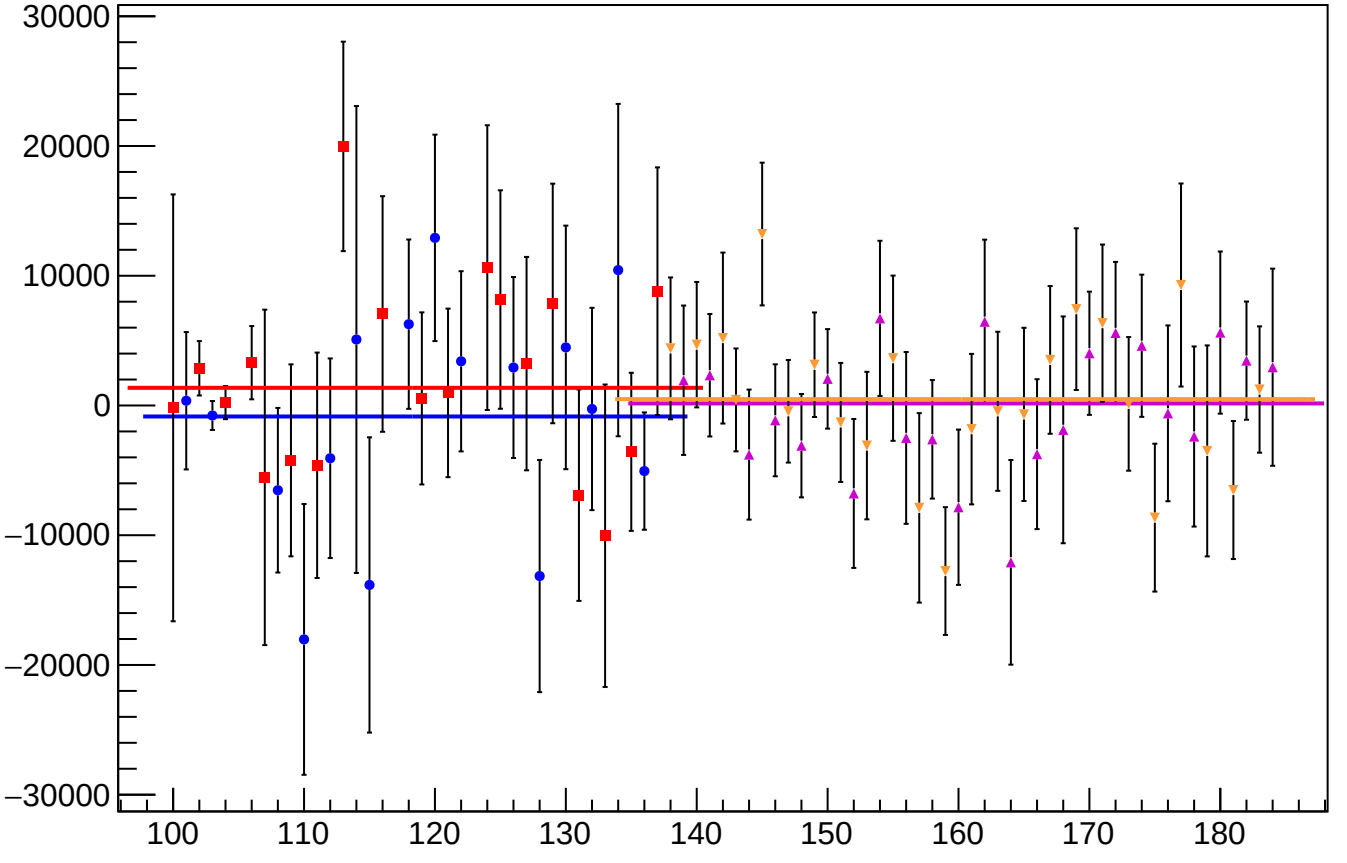
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1746.770+/-0.241 χ^2/NDF: 385922.3/39

All: 1747.995+/-0.172 χ^2/NDF: 879827.1/81

- sign 1749.258+/-0.245 χ^2/NDF: 493852.4/41

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

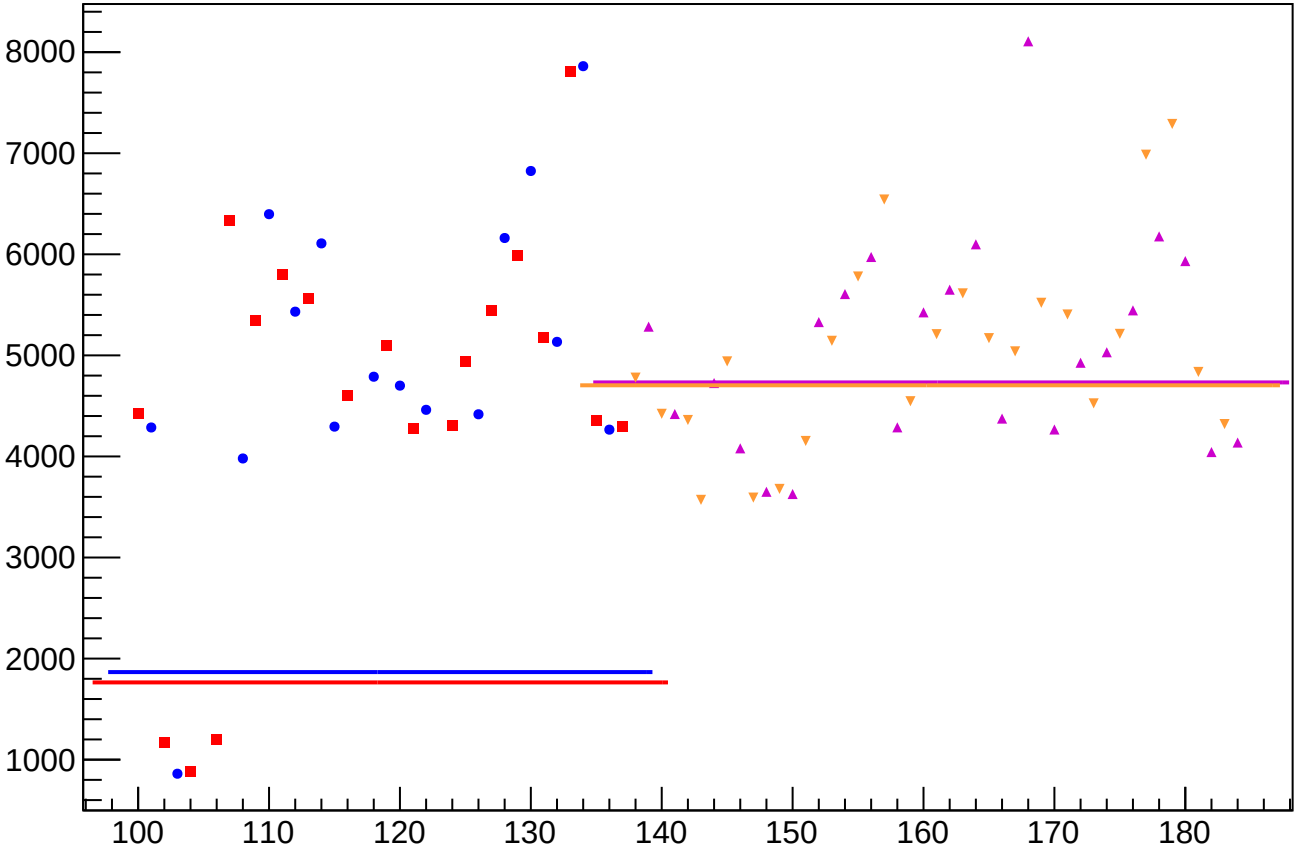
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -267.969+/-724.849 χ^2/NDF: 40.2/39

All: 318.760+/-507.633 χ^2/NDF: 70.9/81

- sign 883.521+/-711.150 χ^2/NDF: 29.4/41

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

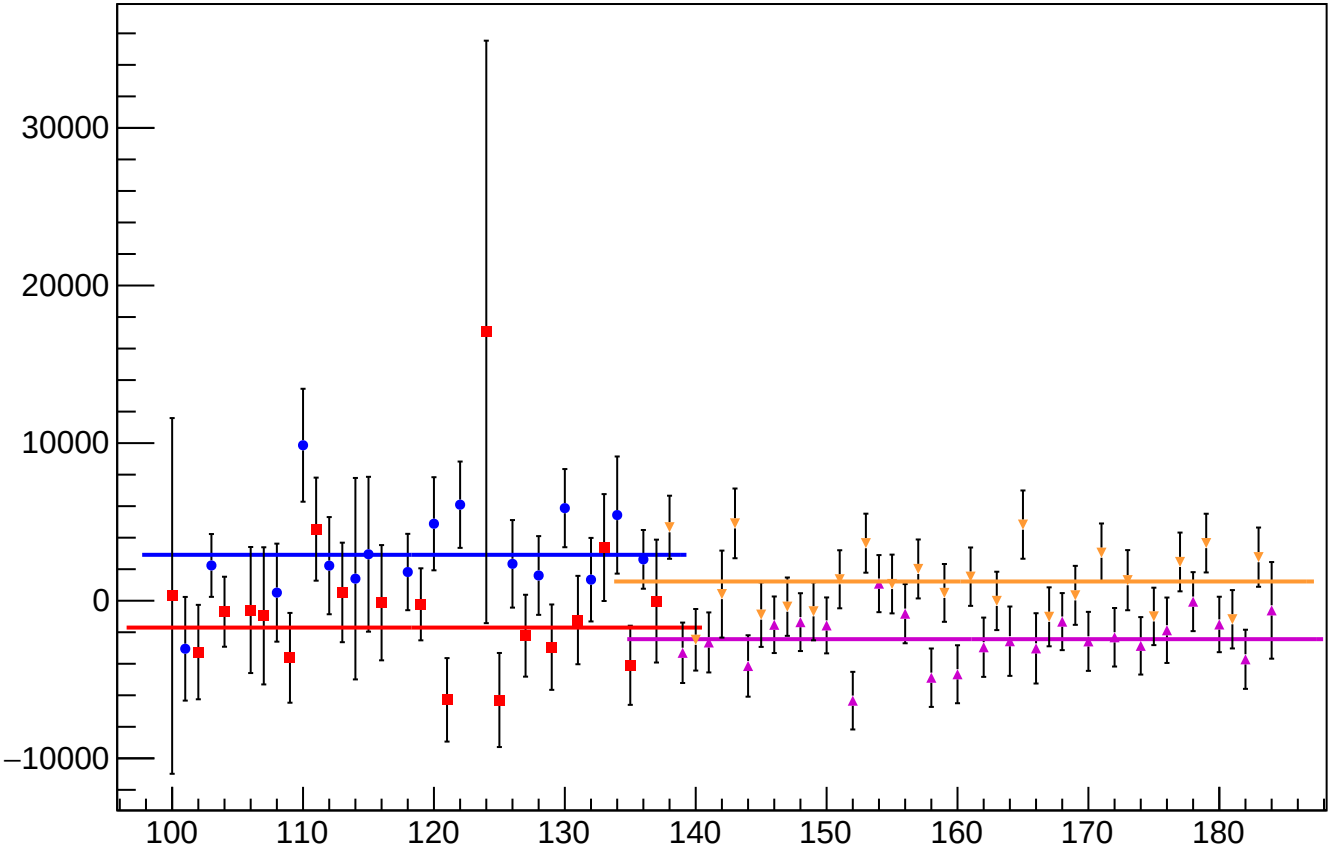
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3096.046+/-0.513 χ^2/NDF: 15611103.0/39

All: 3018.116+/-0.359 χ^2/NDF: 31675560.5/8

- sign 2943.103+/-0.503 χ^2/NDF: 16019087.6/41

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

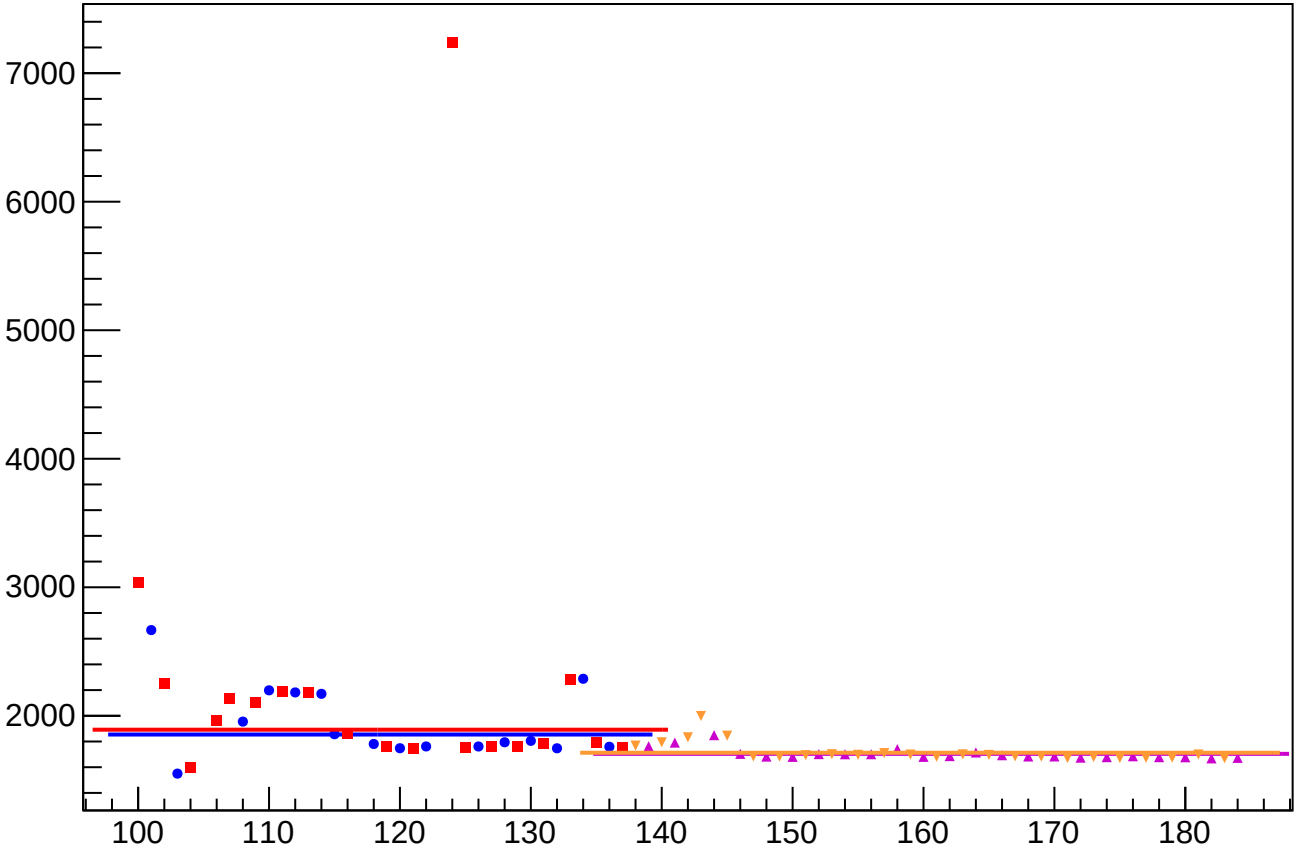
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1629.199+/-341.409 χ^2/NDF: 43.1/39

All: -285.984+/-243.290 χ^2/NDF: 141.2/81

- sign -2261.930+/-346.783 χ^2/NDF: 34.1/41

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

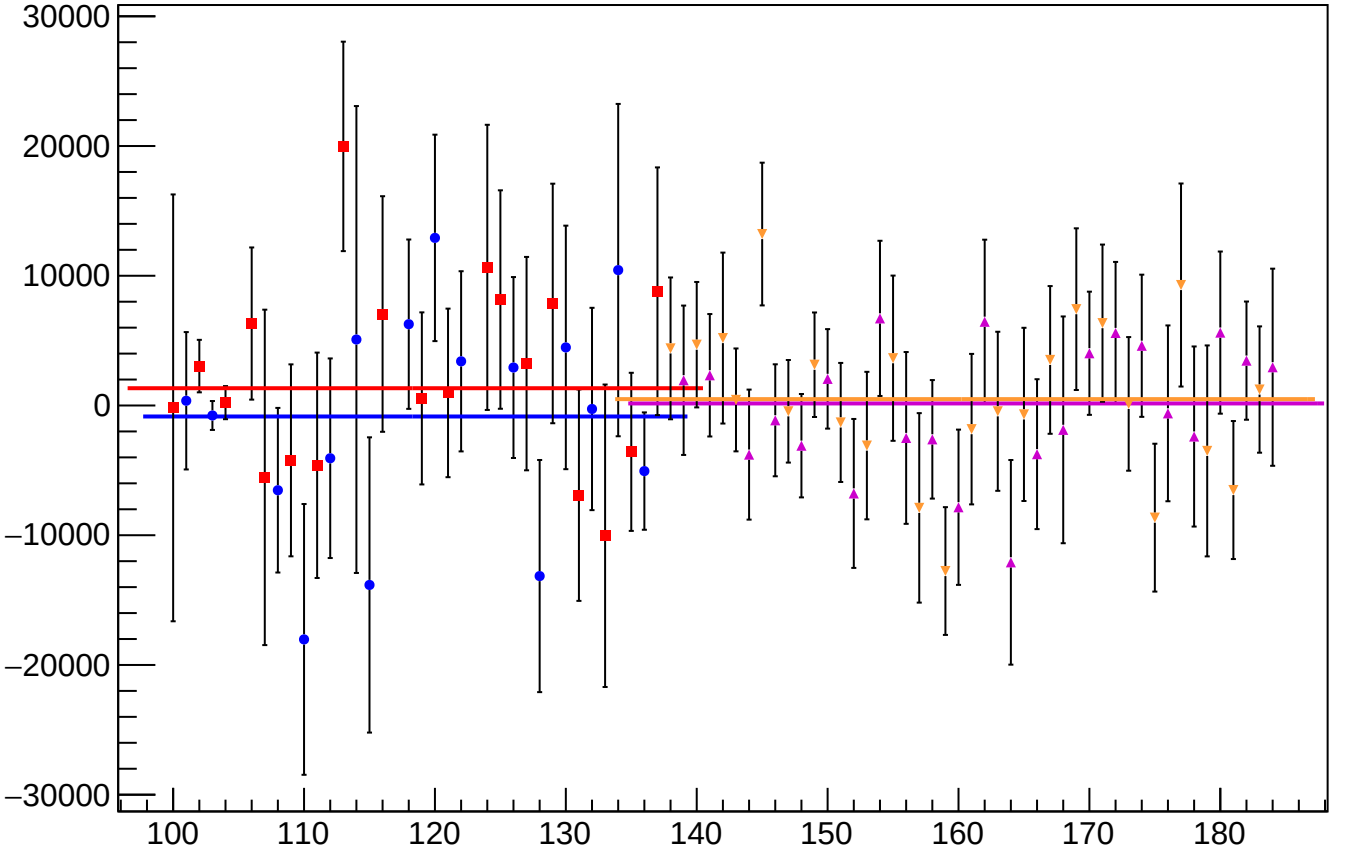
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1746.770+/-0.241 χ^2/NDF: 385922.2/39

All: 1748.042+/-0.172 χ^2/NDF: 880560.5/81

- sign 1749.354+/-0.245 χ^2/NDF: 494581.8/41

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

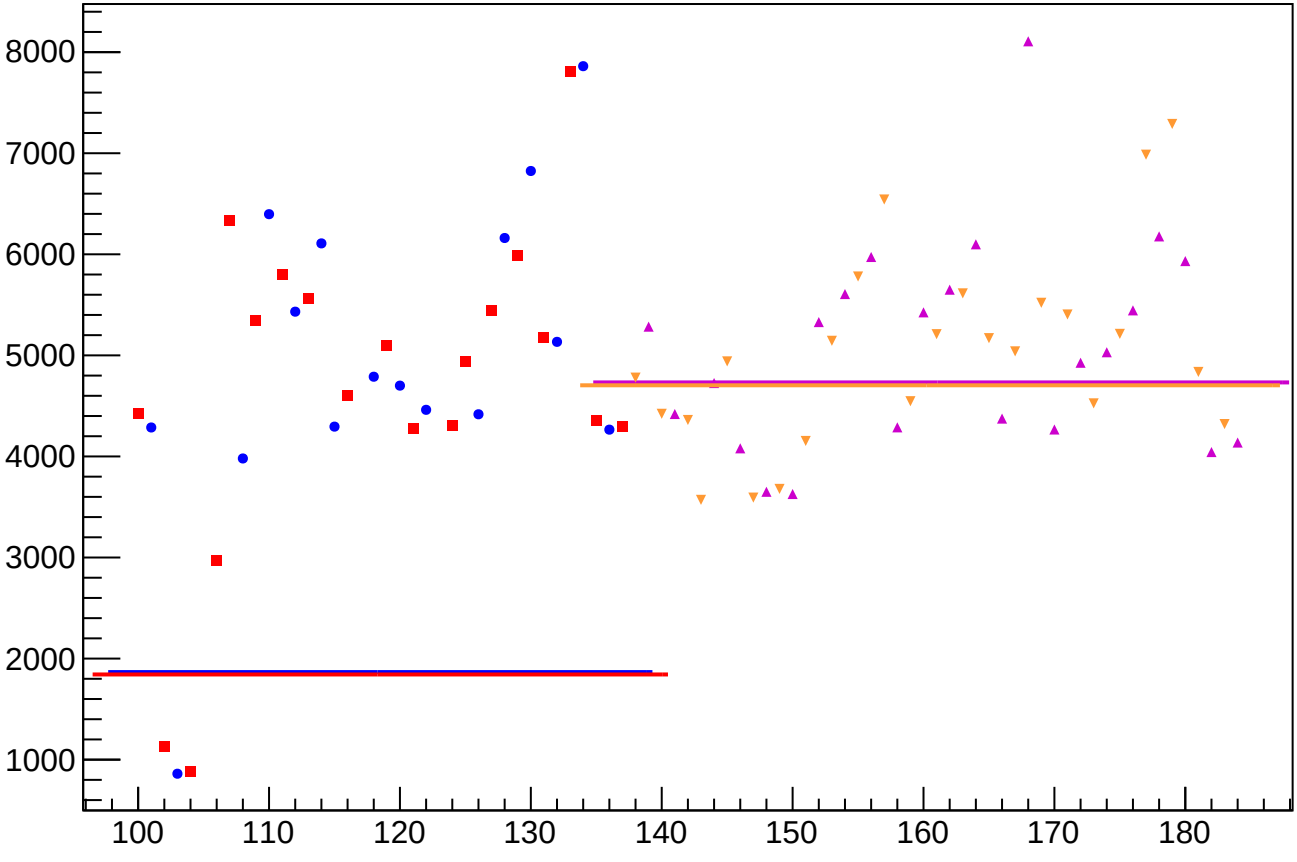
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -267.728+/-724.826 χ^2/NDF: 40.2/39

All: 288.181+/-512.918 χ^2/NDF: 71.1/81

- sign 845.780+/-725.927 χ^2/NDF: 29.8/41

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

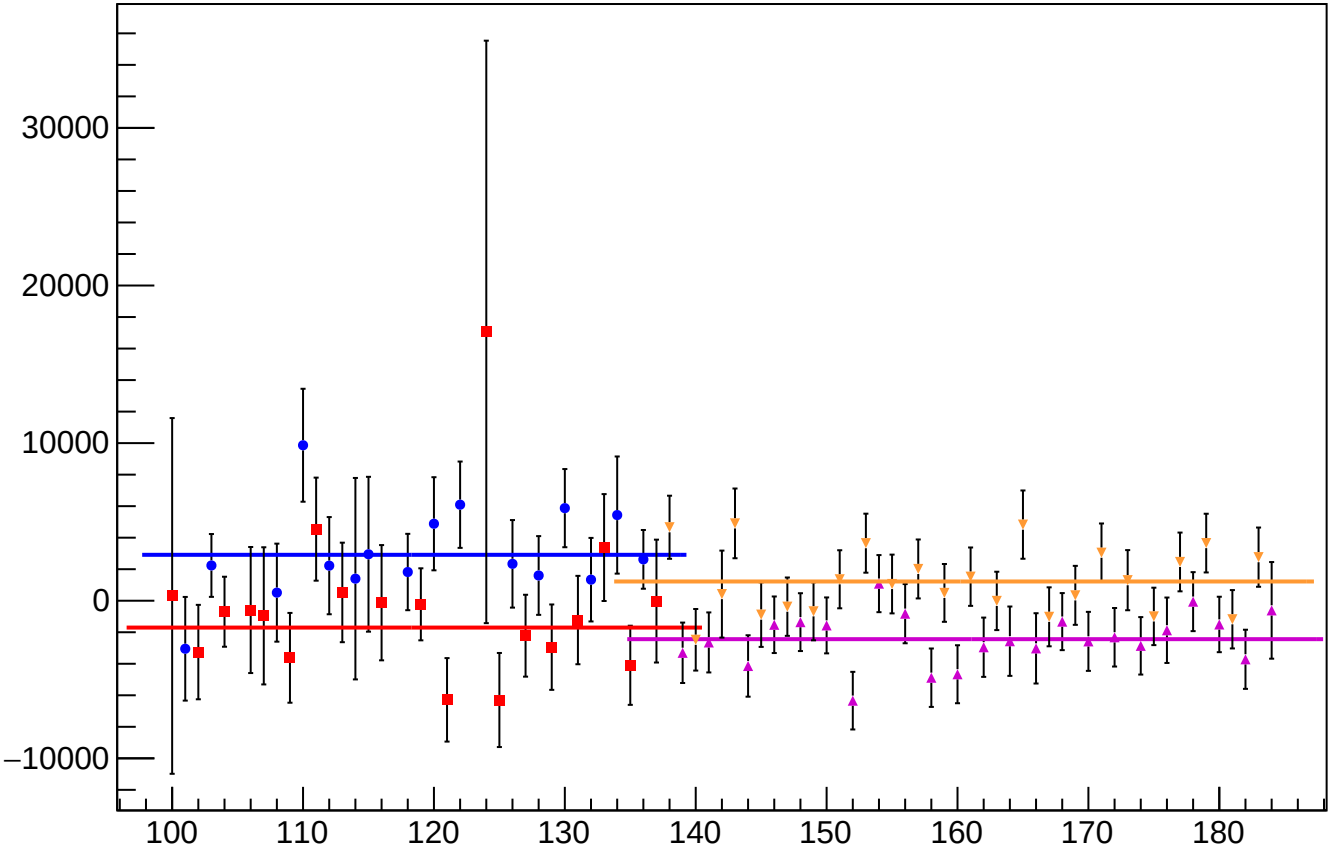
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3095.881+/-0.513 χ^2/NDF: 15612700.1/39

All: 3067.321+/-0.363 χ^2/NDF: 31007029.2/8

- sign 3038.673+/-0.513 χ^2/NDF: 15388109.2/41

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

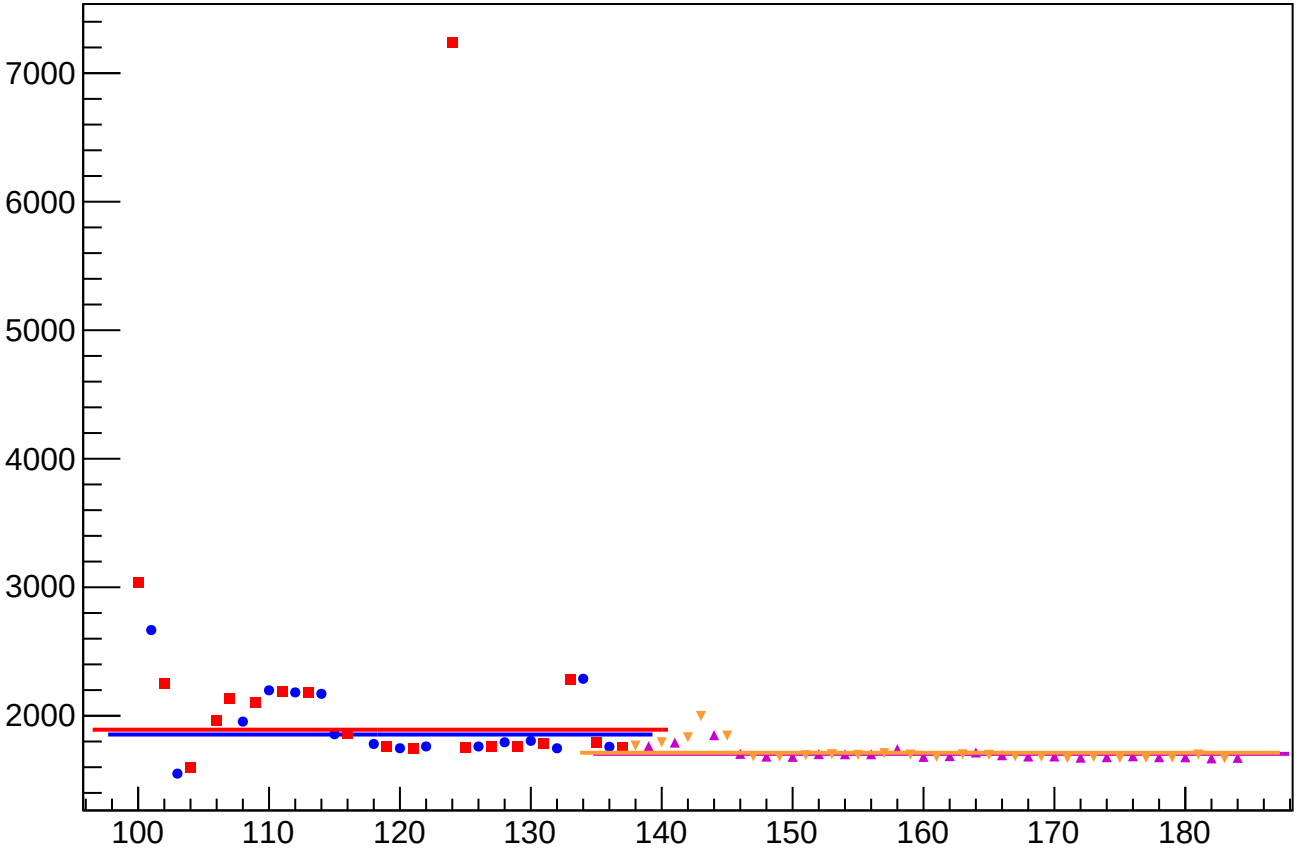
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1629.199+/-341.409 χ^2/NDF: 43.1/39

All: -285.984+/-243.290 χ^2/NDF: 141.2/81

- sign -2261.930+/-346.783 χ^2/NDF: 34.1/41

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

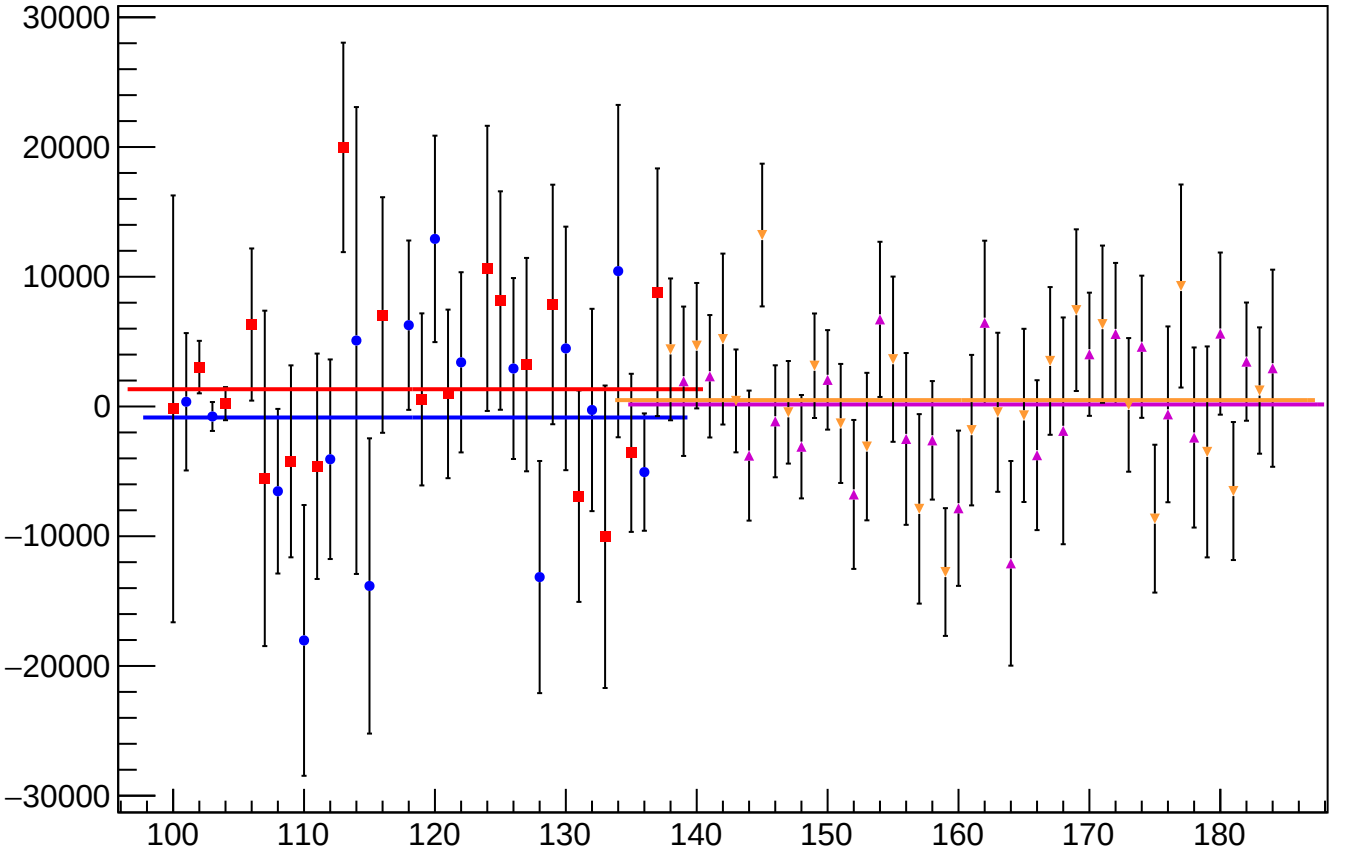
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1746.770+/-0.241 χ^2/NDF: 385922.2/39

All: 1748.042+/-0.172 χ^2/NDF: 880560.5/81

- sign 1749.354+/-0.245 χ^2/NDF: 494581.8/41



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

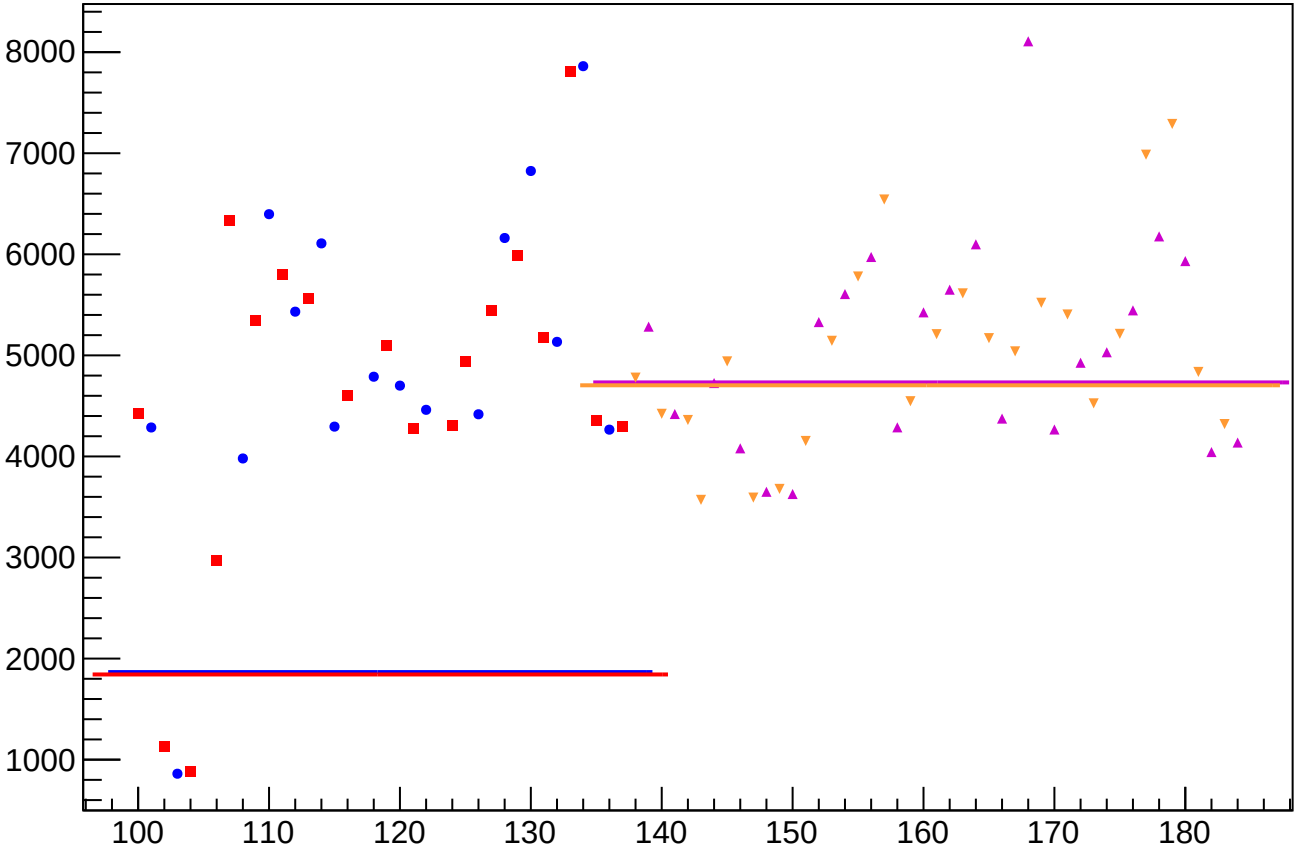
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -267.728+/-724.826 χ^2/NDF: 40.2/39

All: 288.181+/-512.918 χ^2/NDF: 71.1/81

- sign 845.780+/-725.927 χ^2/NDF: 29.8/41

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

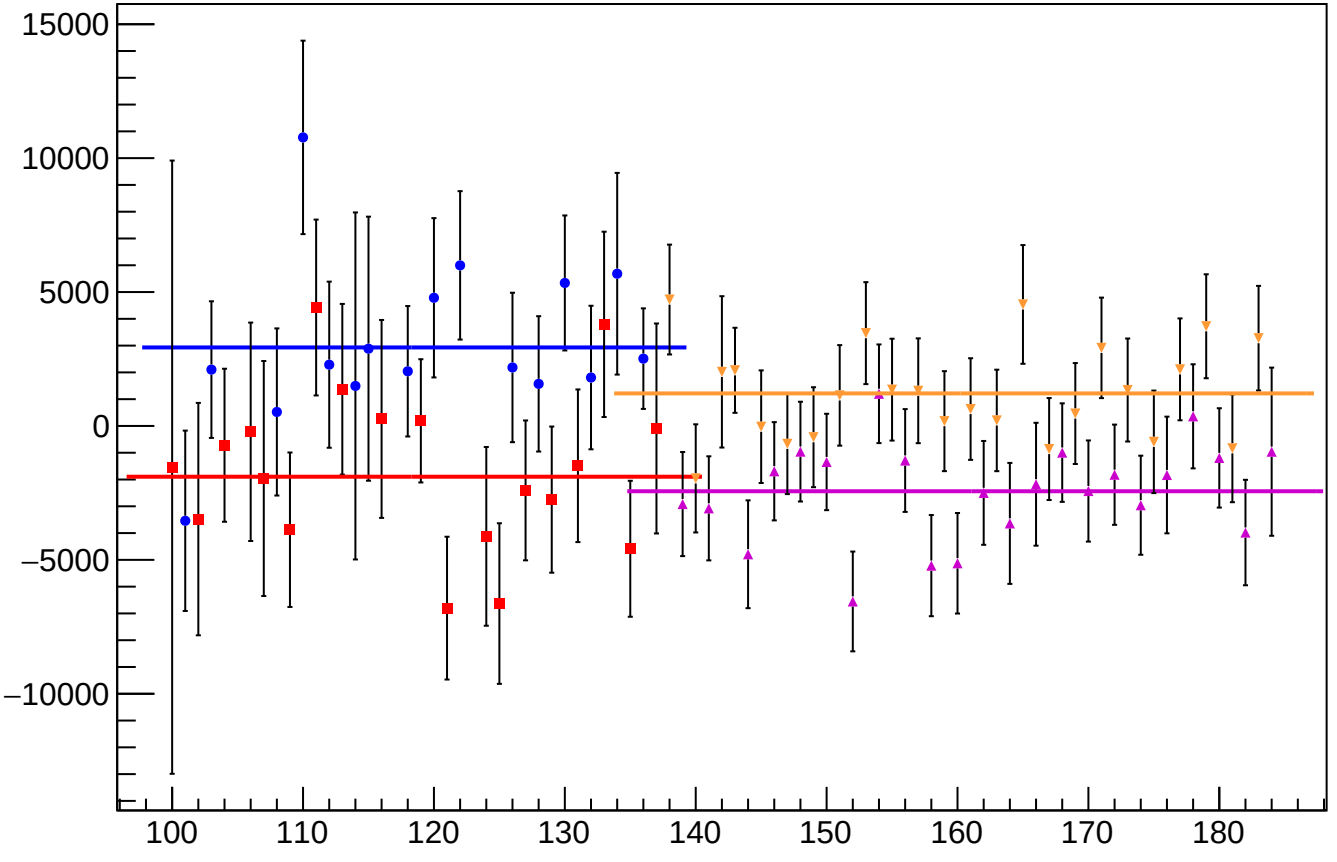
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3095.881+/-0.513 χ^2/NDF: 15612700.1/39

All: 3067.321+/-0.363 χ^2/NDF: 31007029.2/8

- sign 3038.673+/-0.513 χ^2/NDF: 15388109.2/41

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

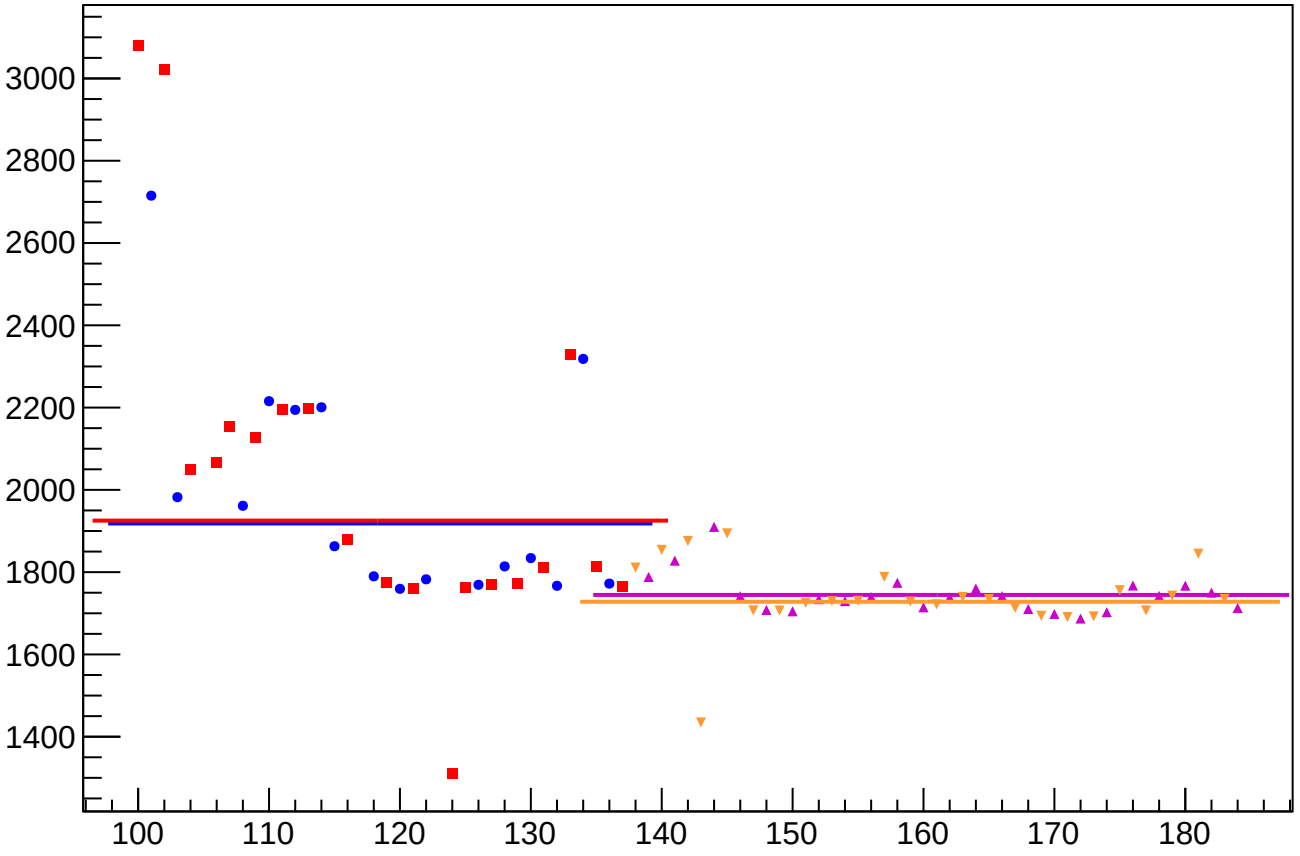
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1615.155+/-346.678 χ^2/NDF: 36.7/39

All: -299.903+/-247.996 χ^2/NDF: 137.6/81

- sign -2306.946+/-354.906 χ^2/NDF: 38.4/41

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

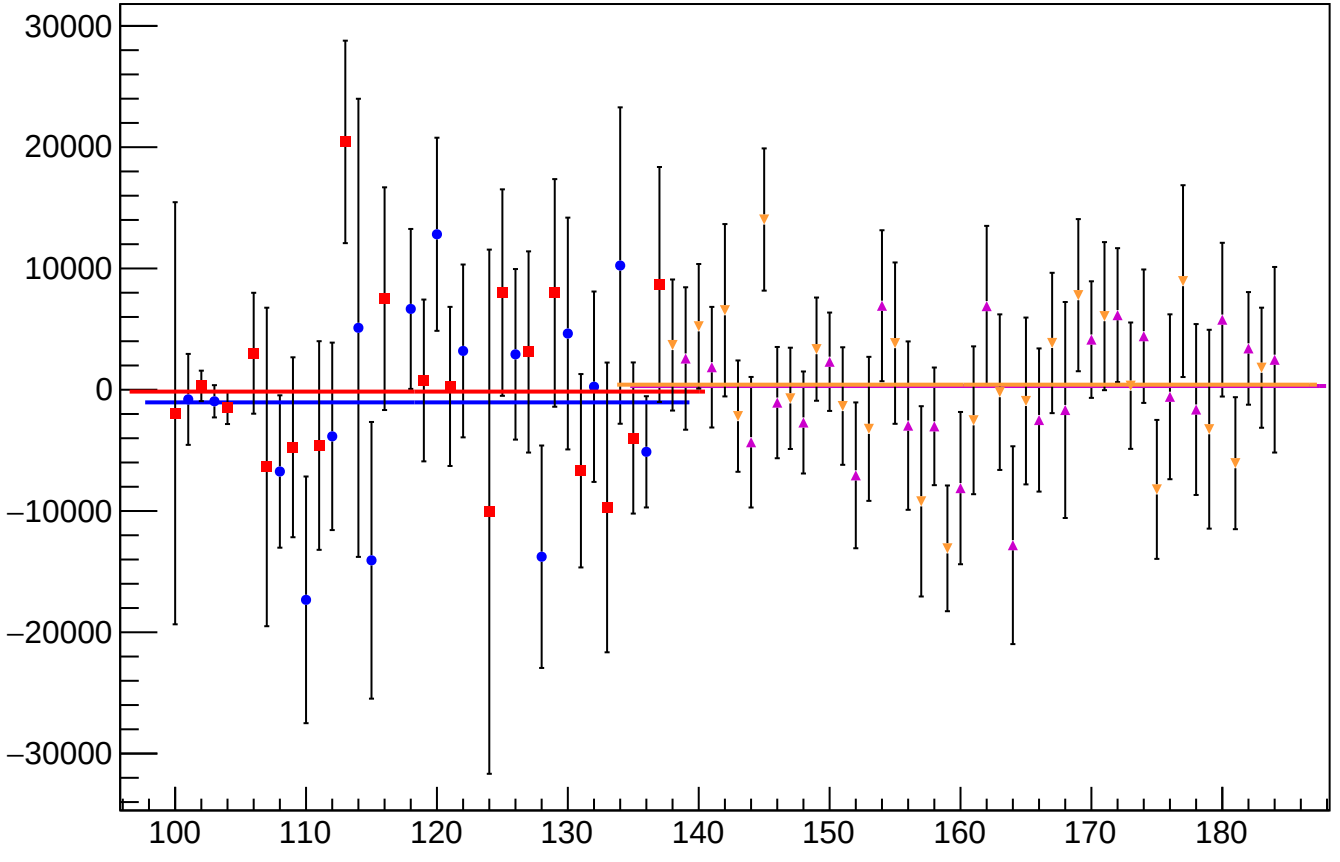
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1772.384+/-0.245 χ^2/NDF: 432961.5/39

All: 1780.175+/-0.175 χ^2/NDF: 895979.6/81

- sign 1788.338+/-0.251 χ^2/NDF: 460949.5/41

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

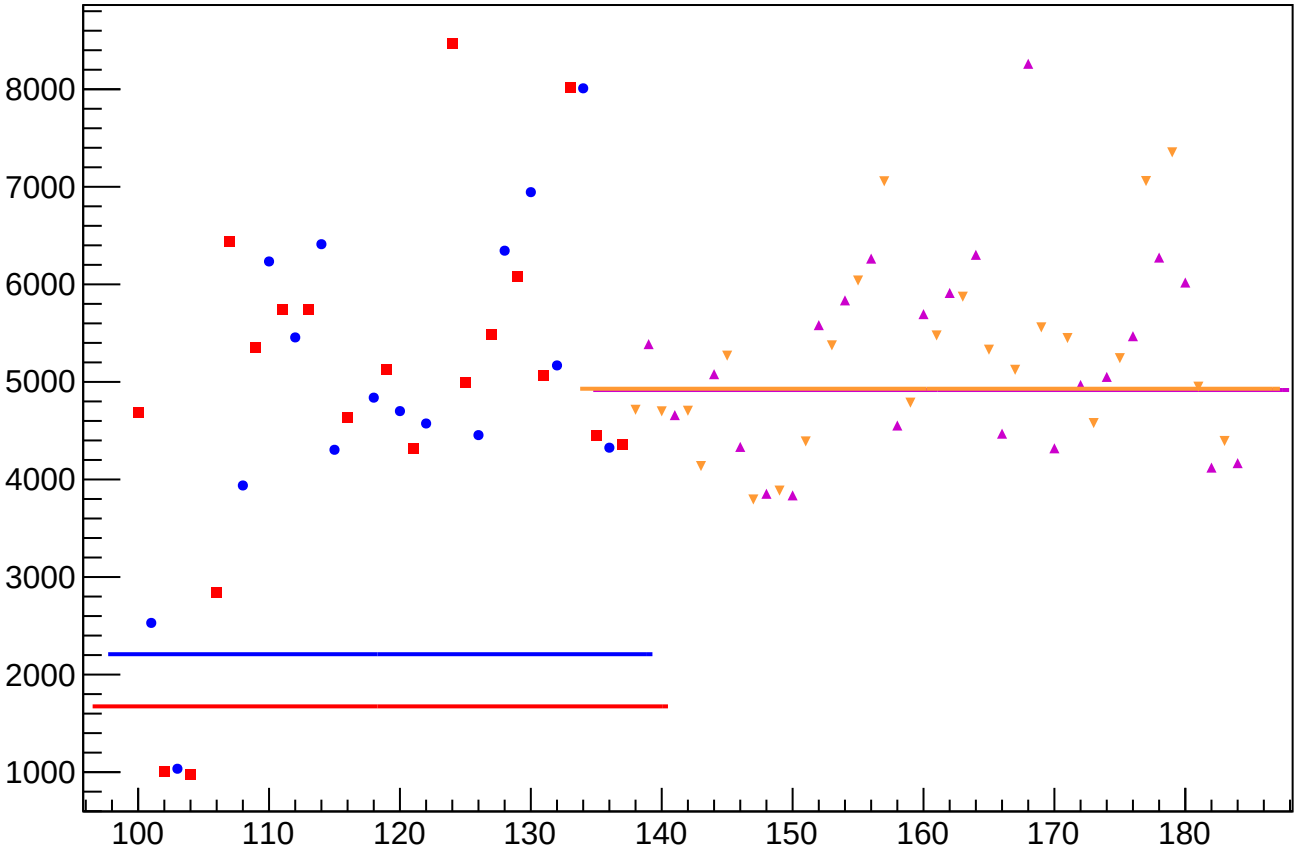
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

\+ sign -363.372+/-784.527 χ^2/NDF: 40.0/39

All: -155.083+/-513.937 χ^2/NDF: 68.5/81

\- sign 1.500+/-680.217 χ^2/NDF: 28.3/41

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

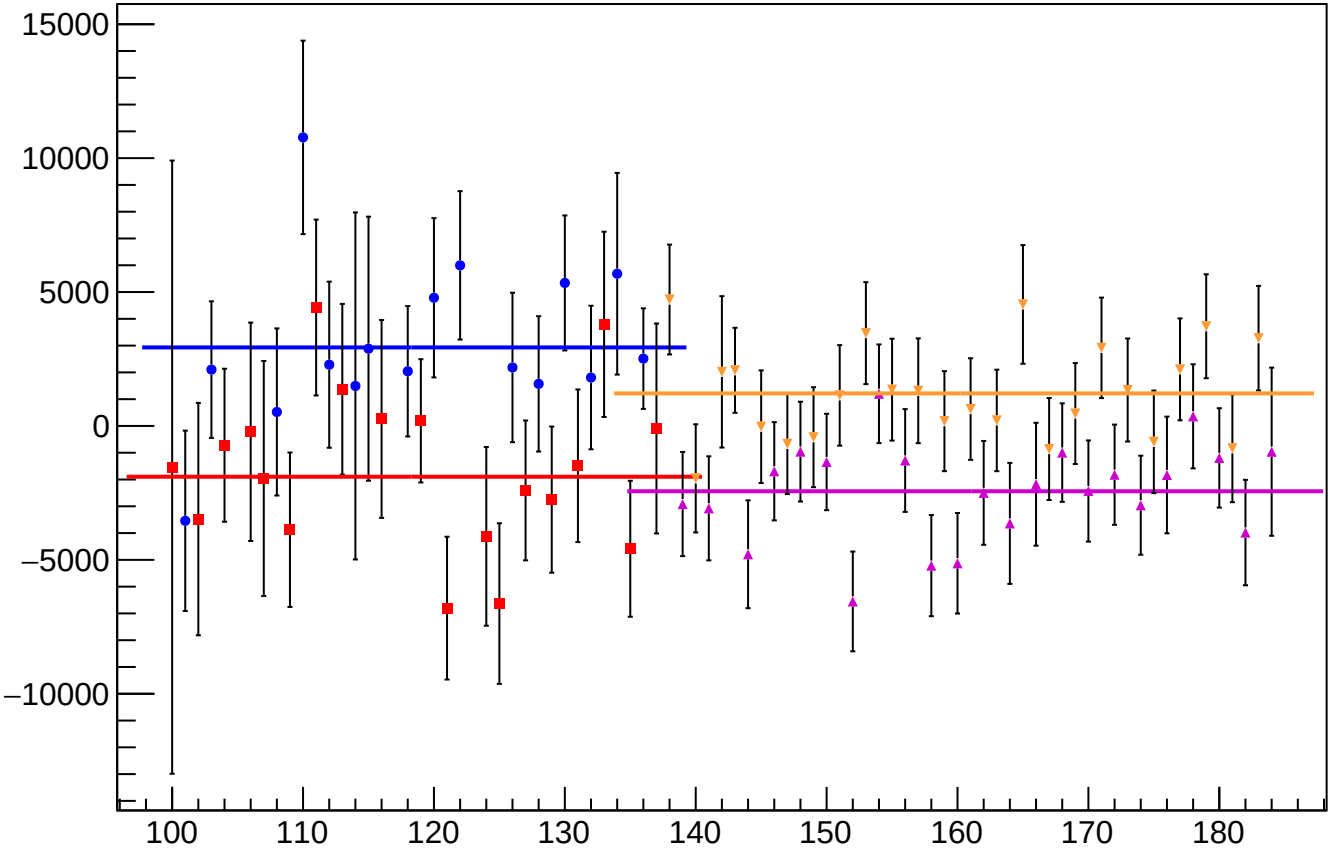
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3473.818+/-0.555 χ^2/NDF: 12530025.2/39

All: 3071.092+/-0.363 χ^2/NDF: 31630205.4/8

- sign 2768.339+/-0.481 χ^2/NDF: 18176954.6/41

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

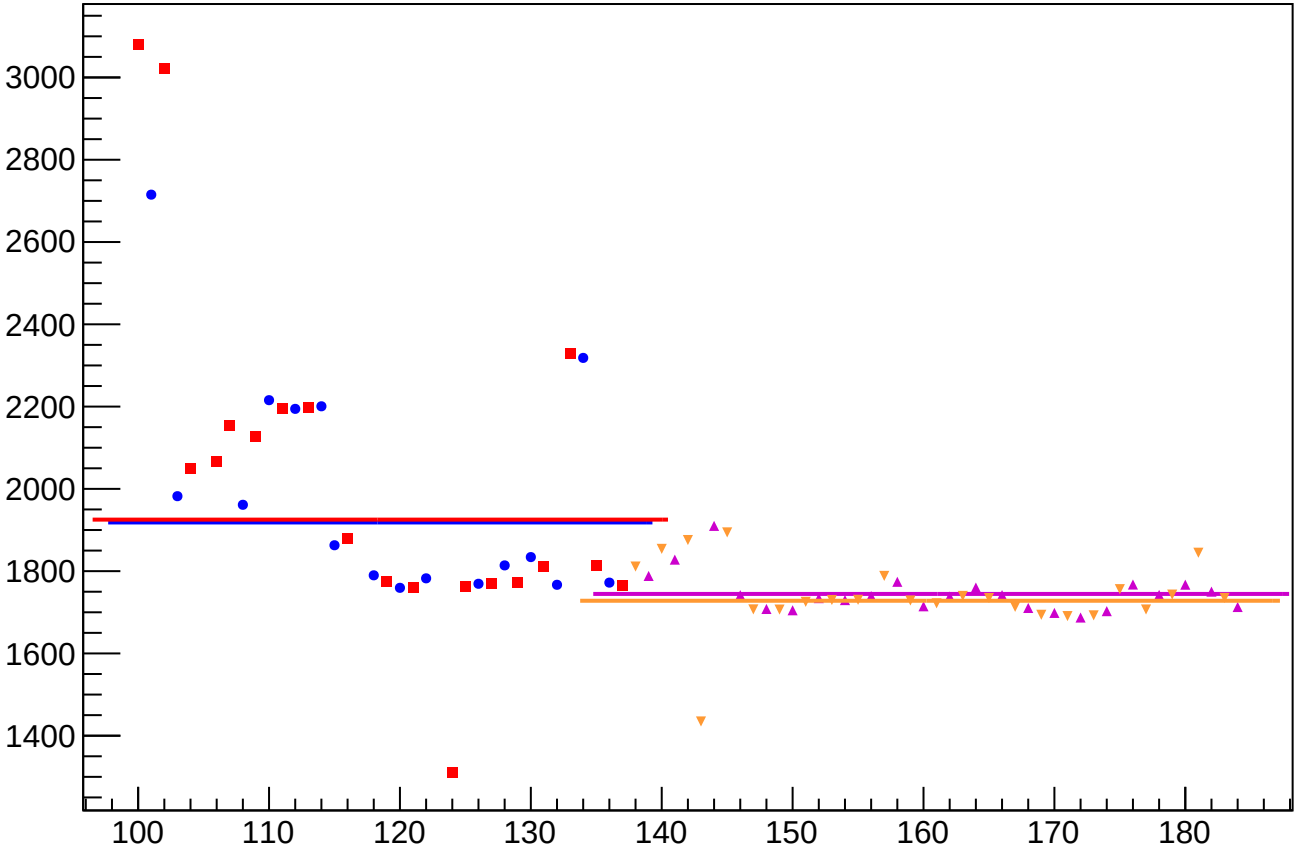
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1615.151+/-346.678 χ^2/NDF: 36.7/39

All: -299.905+/-247.996 χ^2/NDF: 137.6/81

- sign -2306.947+/-354.906 χ^2/NDF: 38.4/41

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

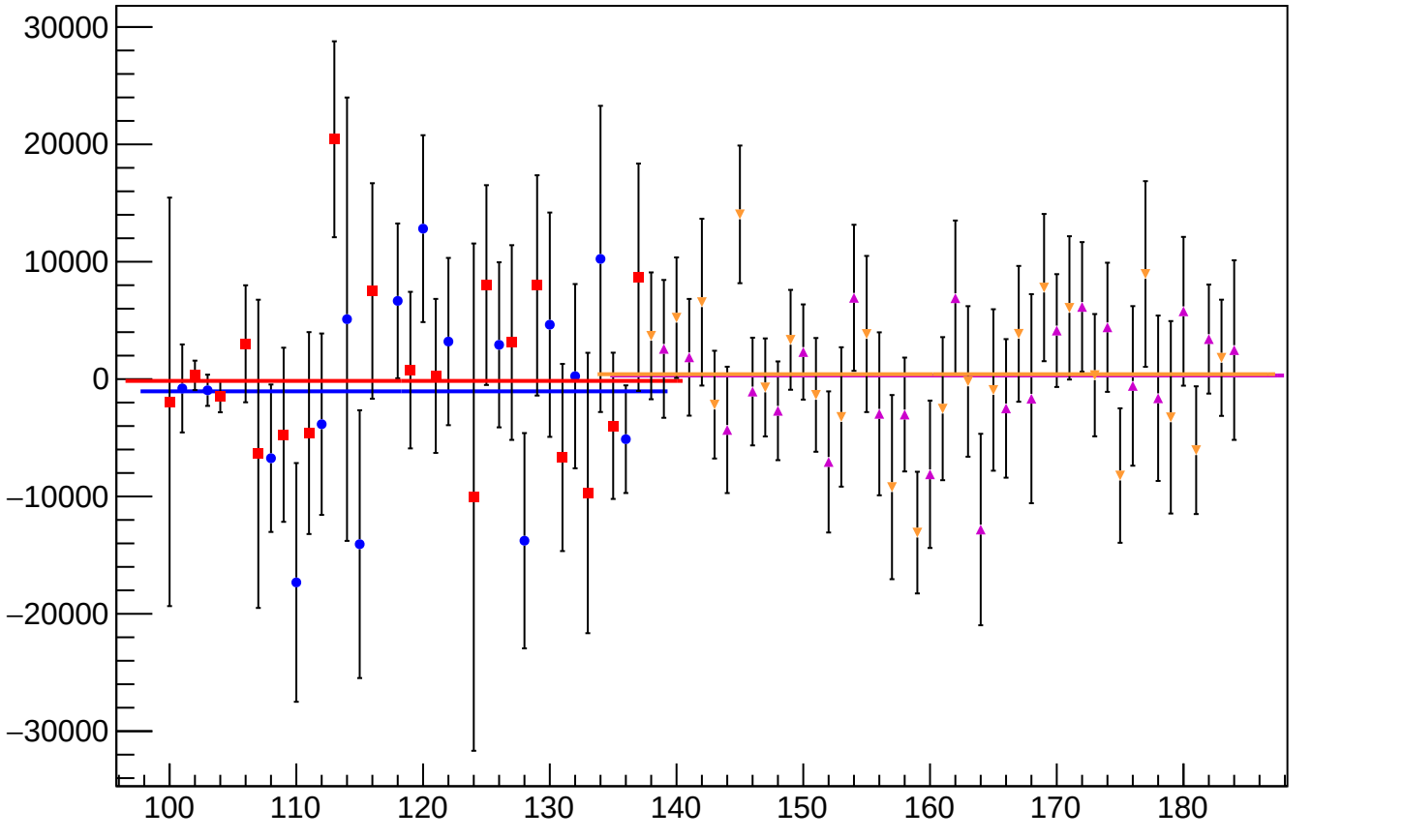
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1772.384+/-0.245 χ^2/NDF: 432959.0/39

All: 1780.176+/-0.175 χ^2/NDF: 895974.7/81

- sign 1788.338+/-0.251 χ^2/NDF: 460947.2/41



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

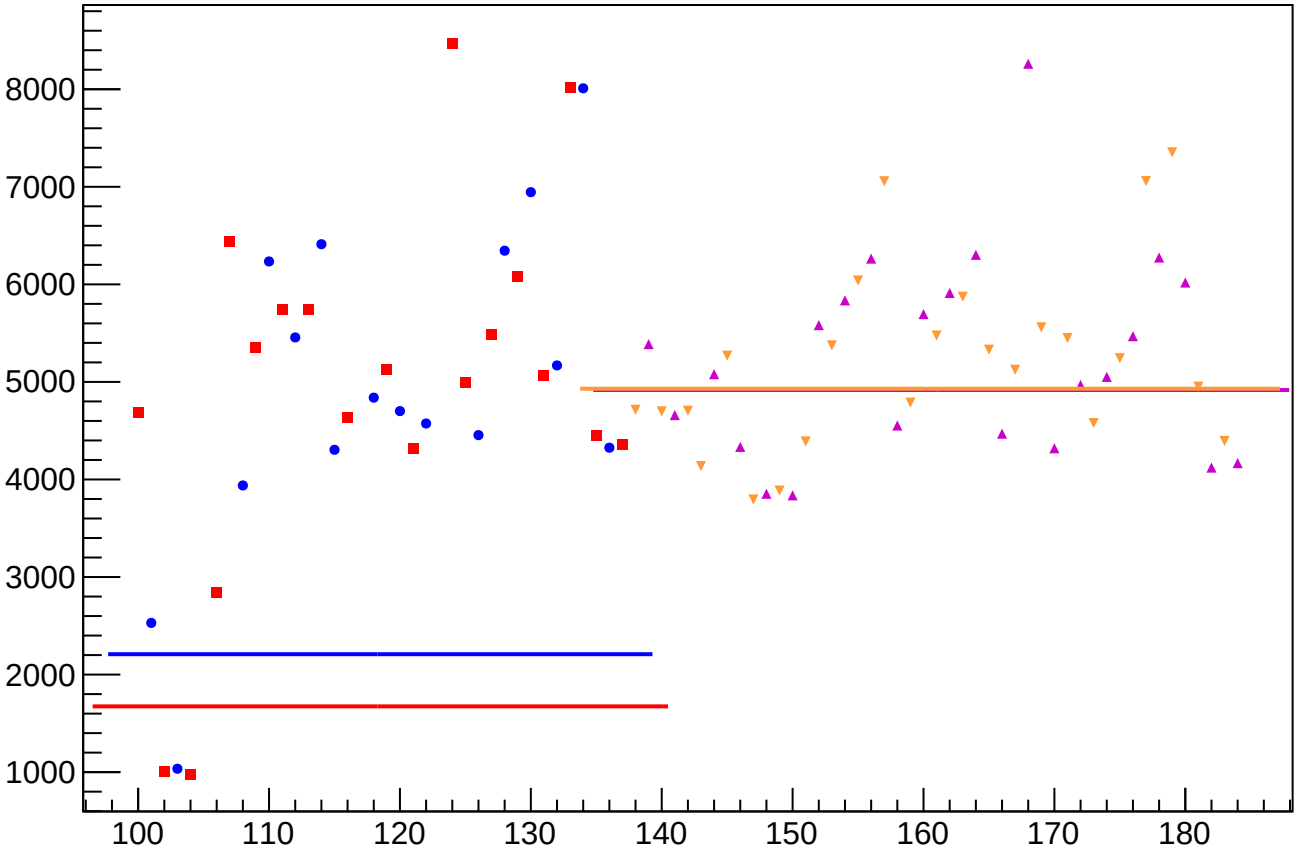
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -363.373+/-784.527 χ^2/NDF: 40.0/39

All: -155.081+/-513.937 χ^2/NDF: 68.5/81

- sign 1.504+/-680.217 χ^2/NDF: 28.3/41

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

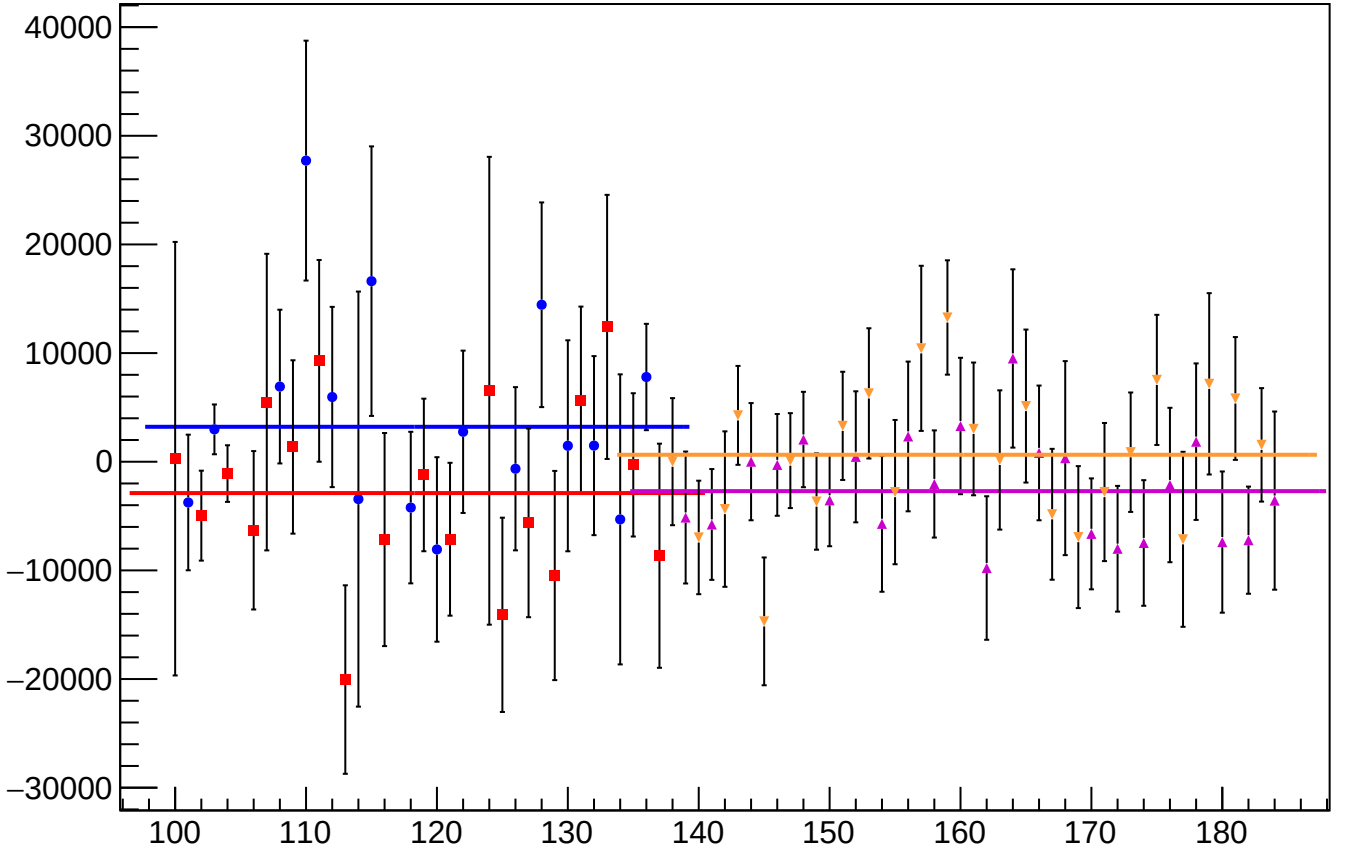
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3473.818+/-0.555 χ^2/NDF: 12530052.1/39

All: 3071.091+/-0.363 χ^2/NDF: 31630261.4/8

- sign 2768.338+/-0.481 χ^2/NDF: 18176981.9/41

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

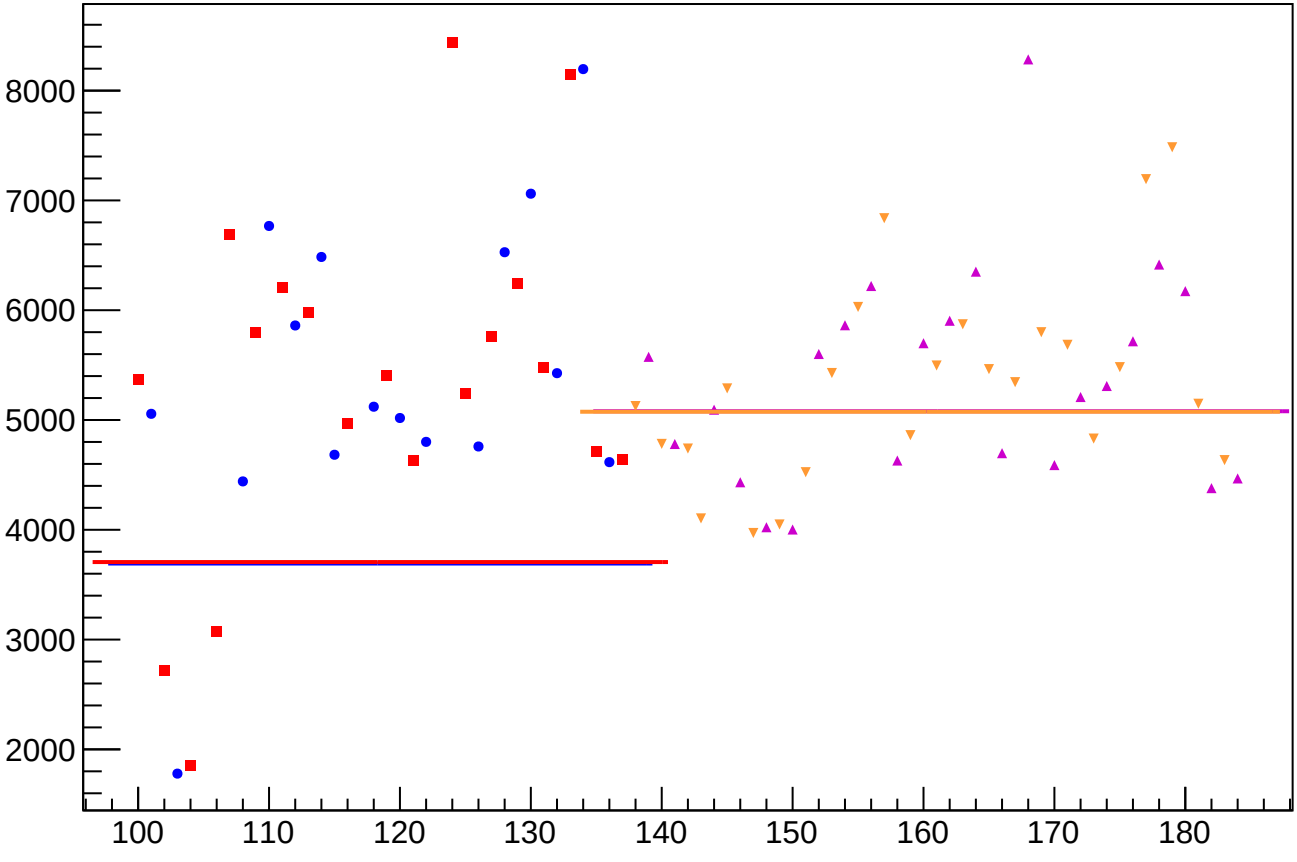
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1596.376+/-937.381 χ^2/NDF: 42.2/39

All: -553.223+/-668.094 χ^2/NDF: 78.2/81

- sign -2772.515+/-952.455 χ^2/NDF: 25.3/41

asym_atl1r2_avg_rms vs Slug



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

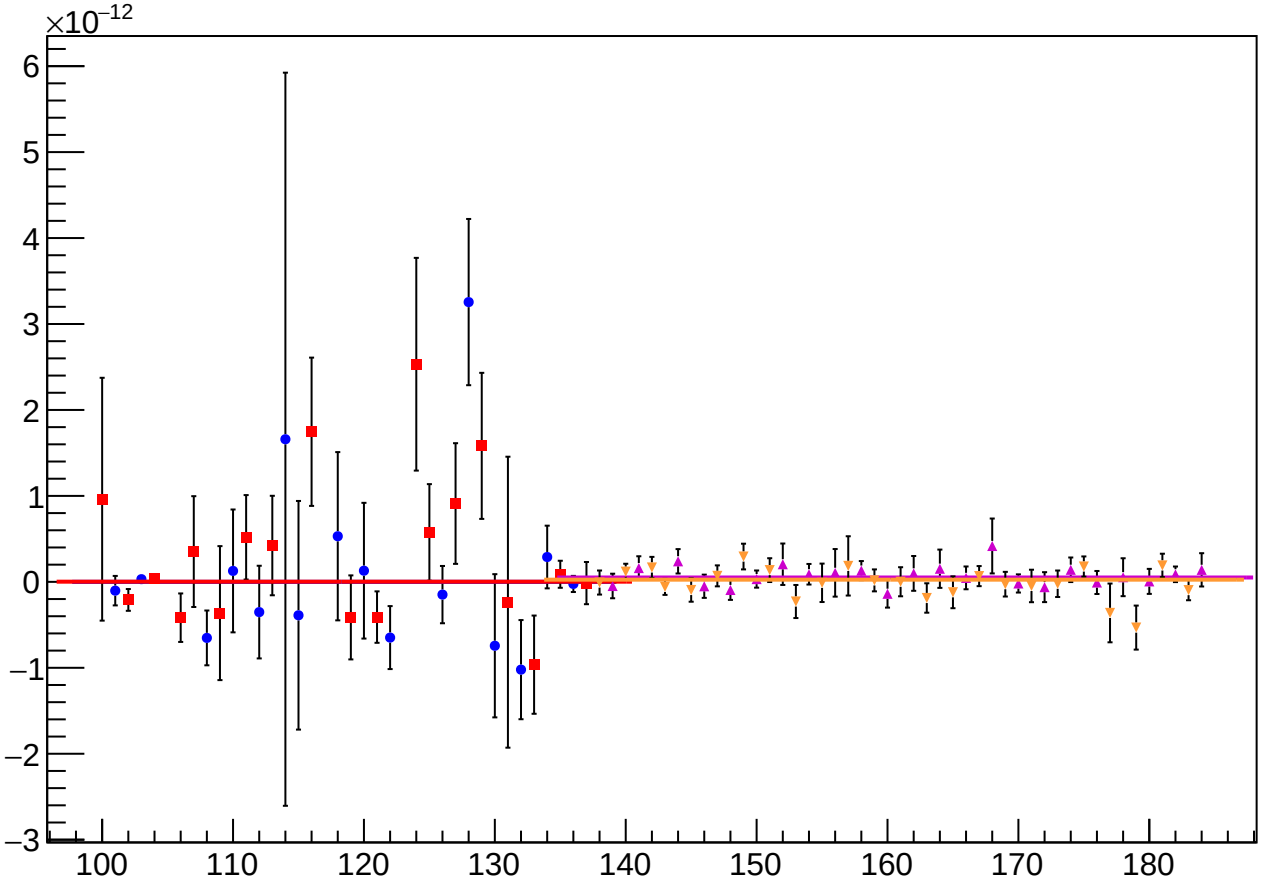
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

\+ sign 4562.551+/-0.663 χ^2/NDF: 4850181.6/39

All: 4559.299+/-0.472 χ^2/NDF: 9524837.7/81

\- sign 4555.968+/-0.671 χ^2/NDF: 4674607.4/41

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

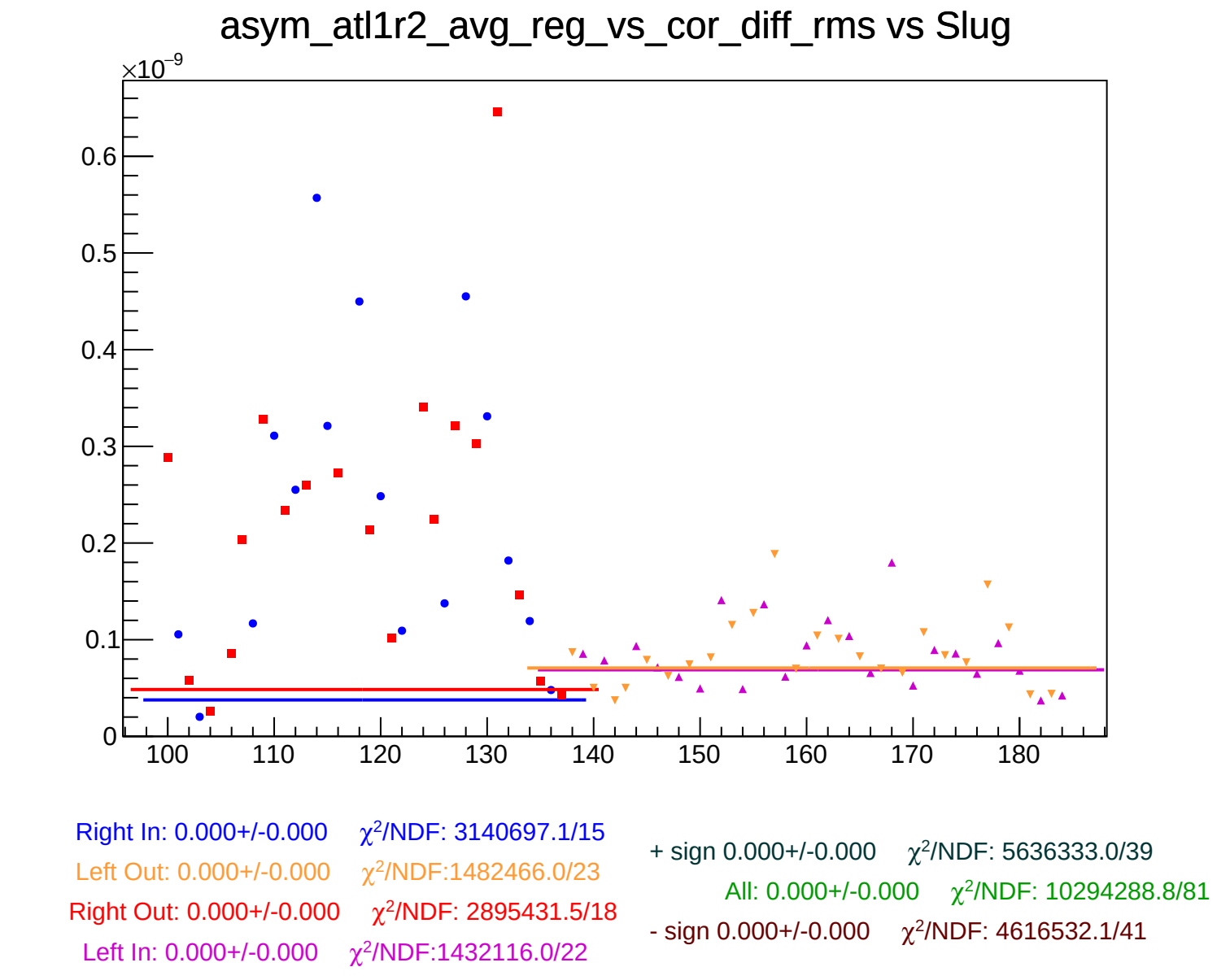
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

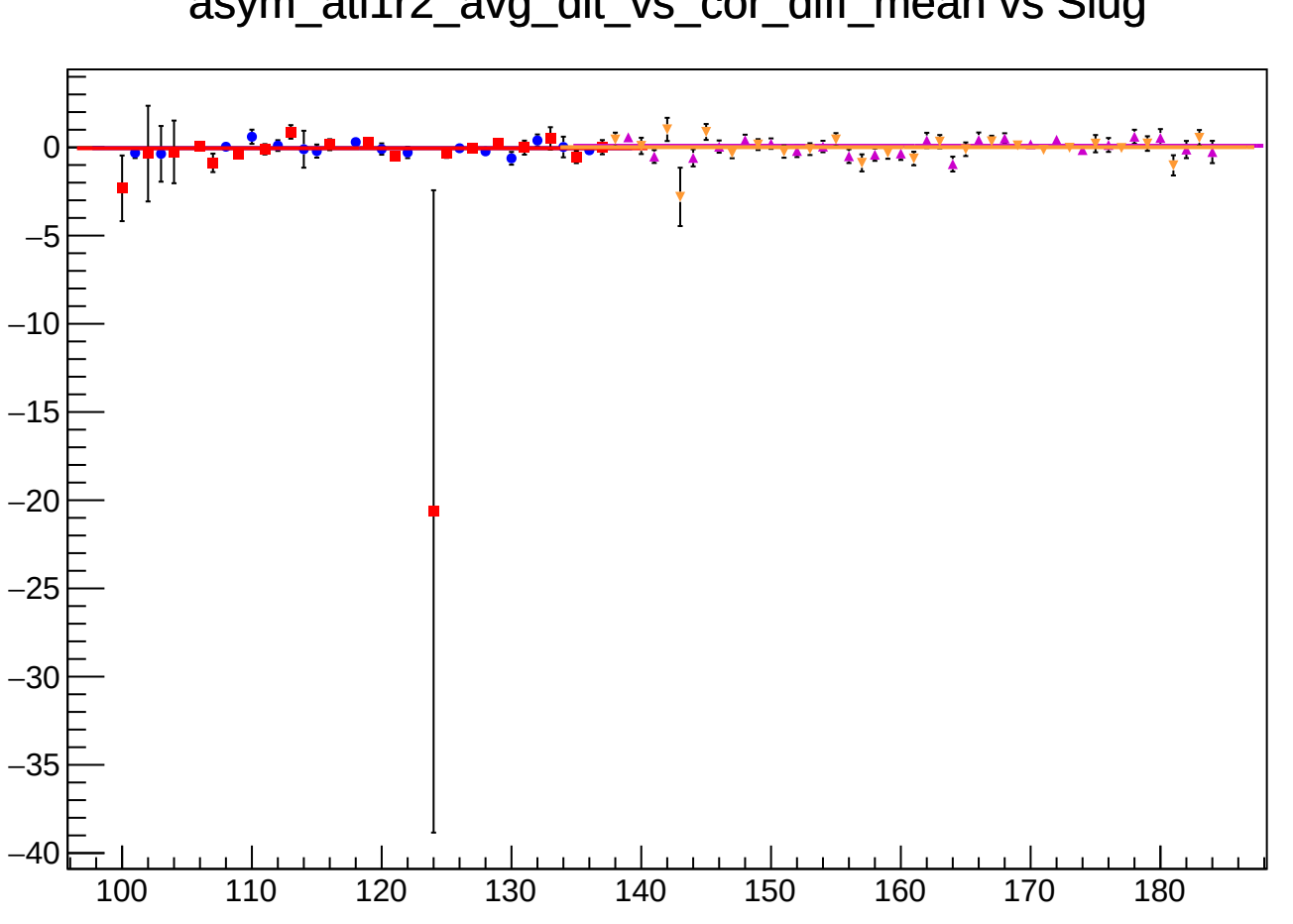
Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.6/39

All: 0.000+/-0.000 χ^2/NDF: 89.1/81

- sign 0.000+/-0.000 χ^2/NDF: 40.0/41


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:1432116.0/22
+ sign 0.000+/-0.000 χ²/NDF: 5636333.0/39
All: 0.000+/-0.000 χ²/NDF: 10294288.8/81
- sign 0.000+/-0.000 χ²/NDF: 4616532.1/41



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

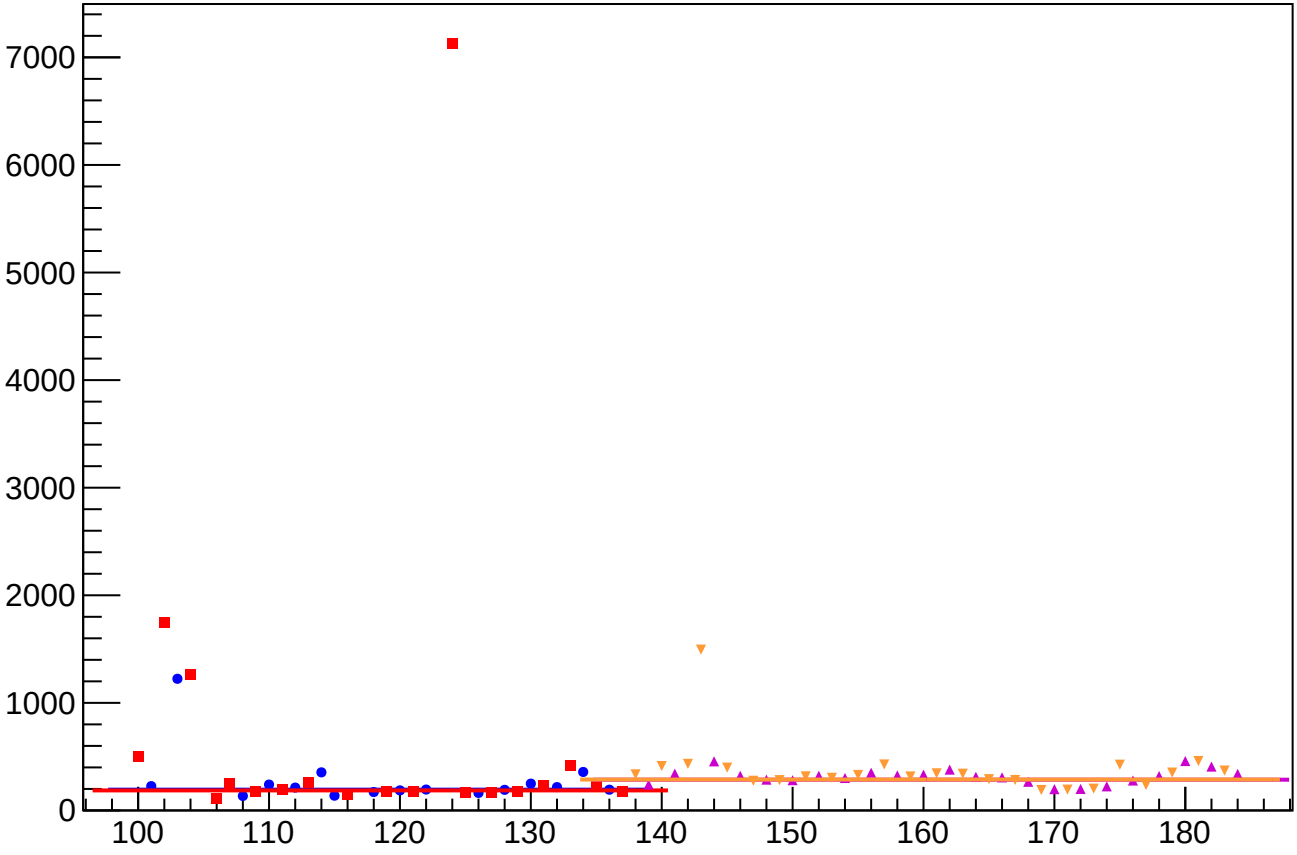
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.013+/-0.052 χ^2/NDF: 40.2/39

All: 0.008+/-0.037 χ^2/NDF: 96.1/81

- sign 0.028+/-0.053 χ^2/NDF: 55.7/41

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

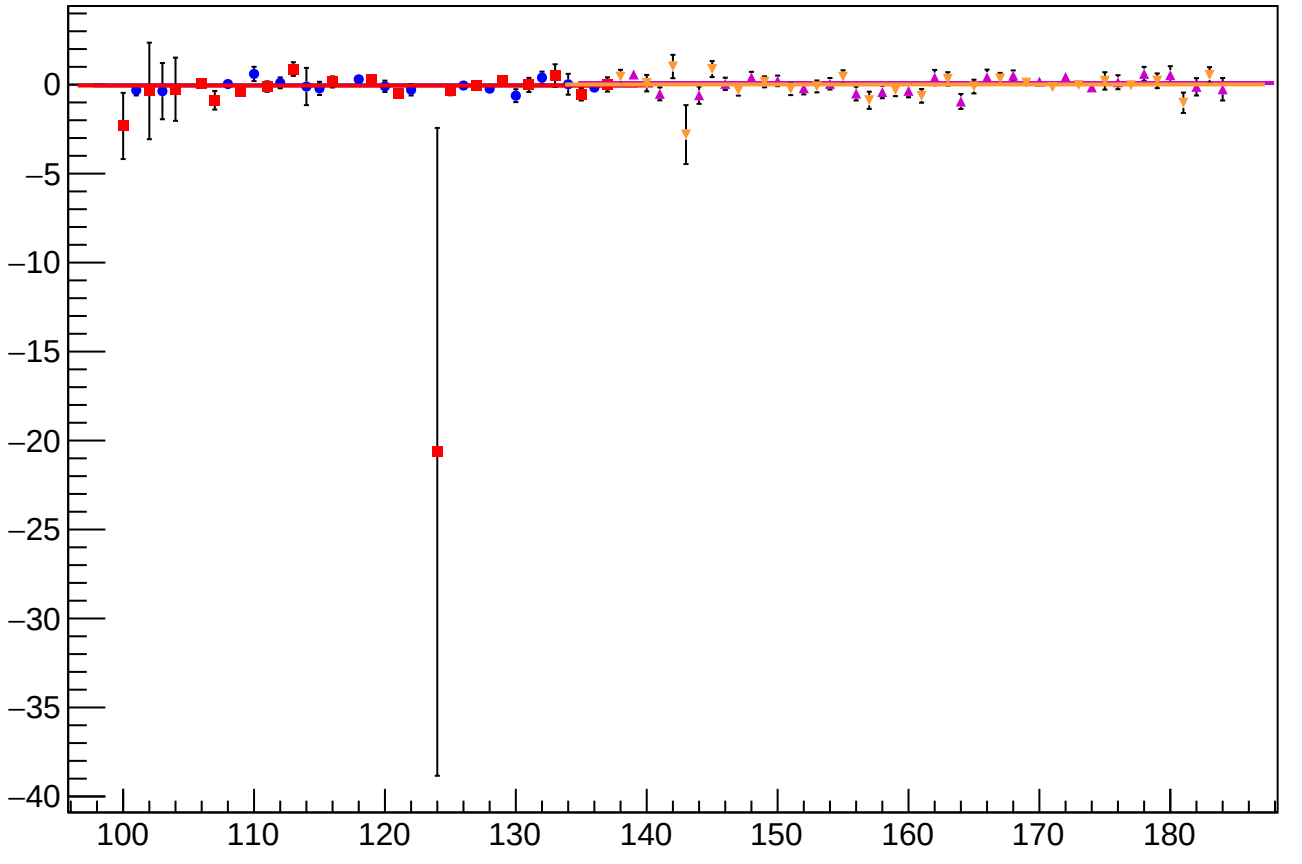
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.655+/-0.037 χ^2/NDF: 6342318.4/39

All: 243.176+/-0.026 χ^2/NDF: 12342142.2/81

- sign 241.689+/-0.037 χ^2/NDF: 5996624.7/41



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

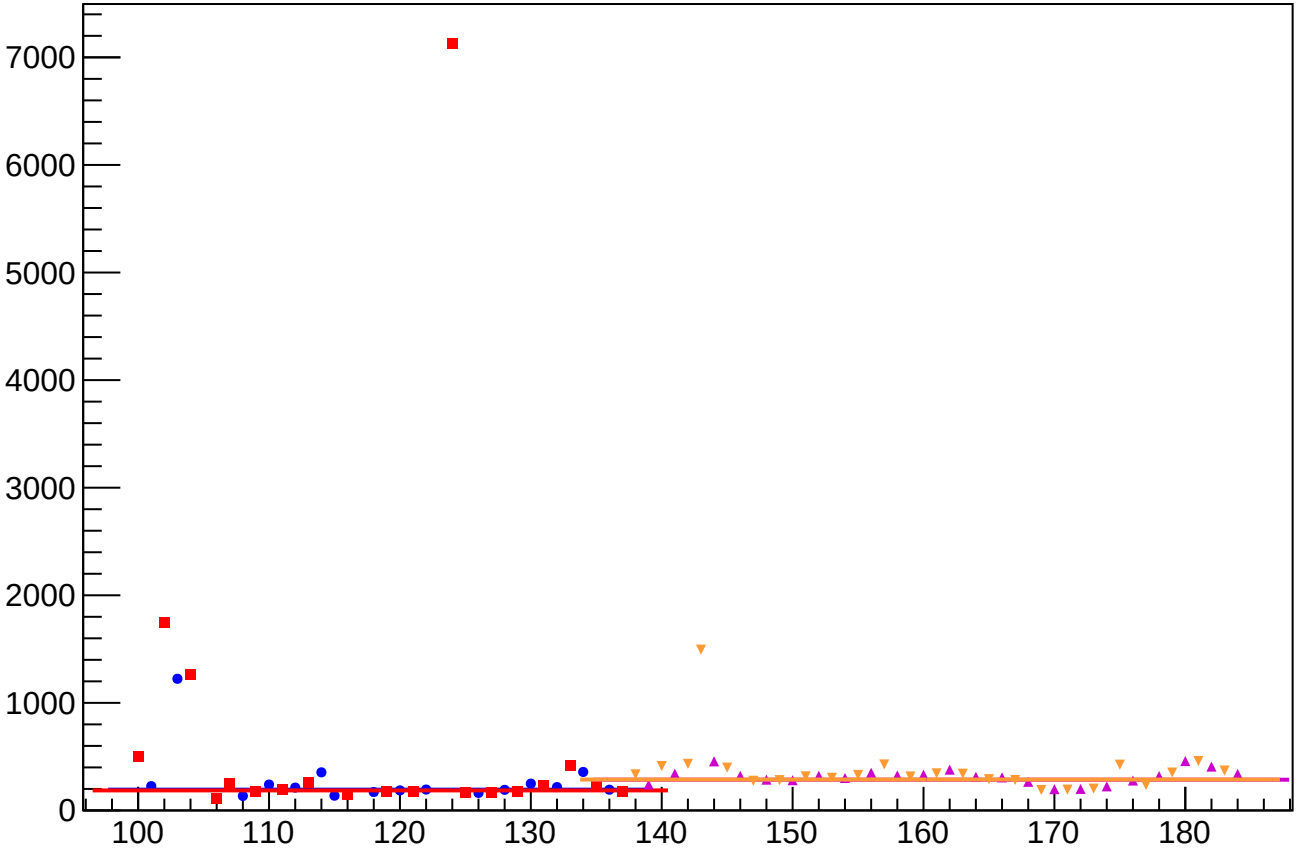
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.013+/-0.052 χ^2/NDF: 40.2/39

All: 0.008+/-0.037 χ^2/NDF: 96.1/81

- sign 0.028+/-0.053 χ^2/NDF: 55.7/41

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

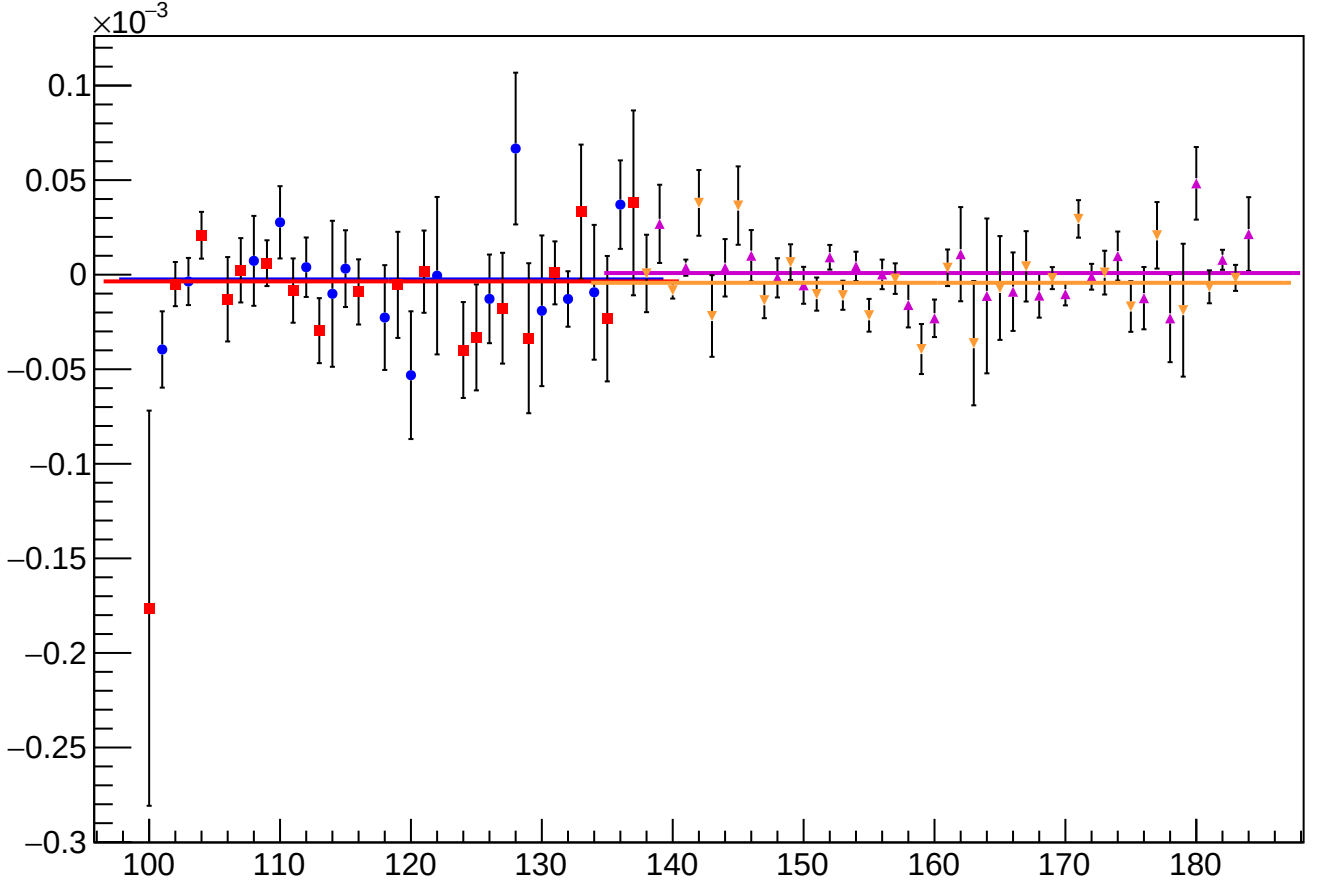
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.655+/-0.037 χ^2/NDF: 6342318.4/39

All: 243.176+/-0.026 χ^2/NDF: 12342142.2/81

- sign 241.689+/-0.037 χ^2/NDF: 5996624.7/41



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

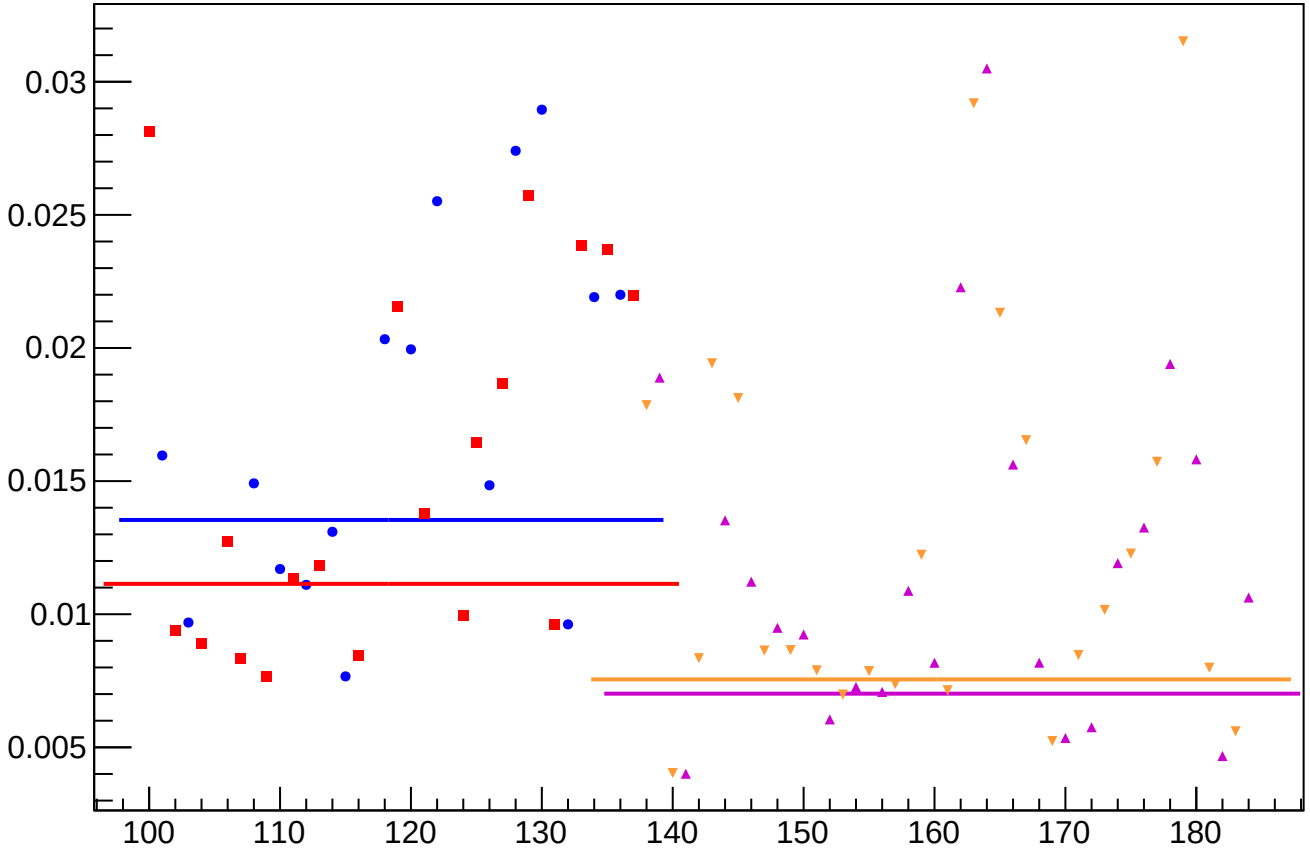
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/39

All: -0.000+/-0.000 χ^2/NDF: 107.8/81

- sign 0.000+/-0.000 χ^2/NDF: 46.1/41

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7291066.2/23

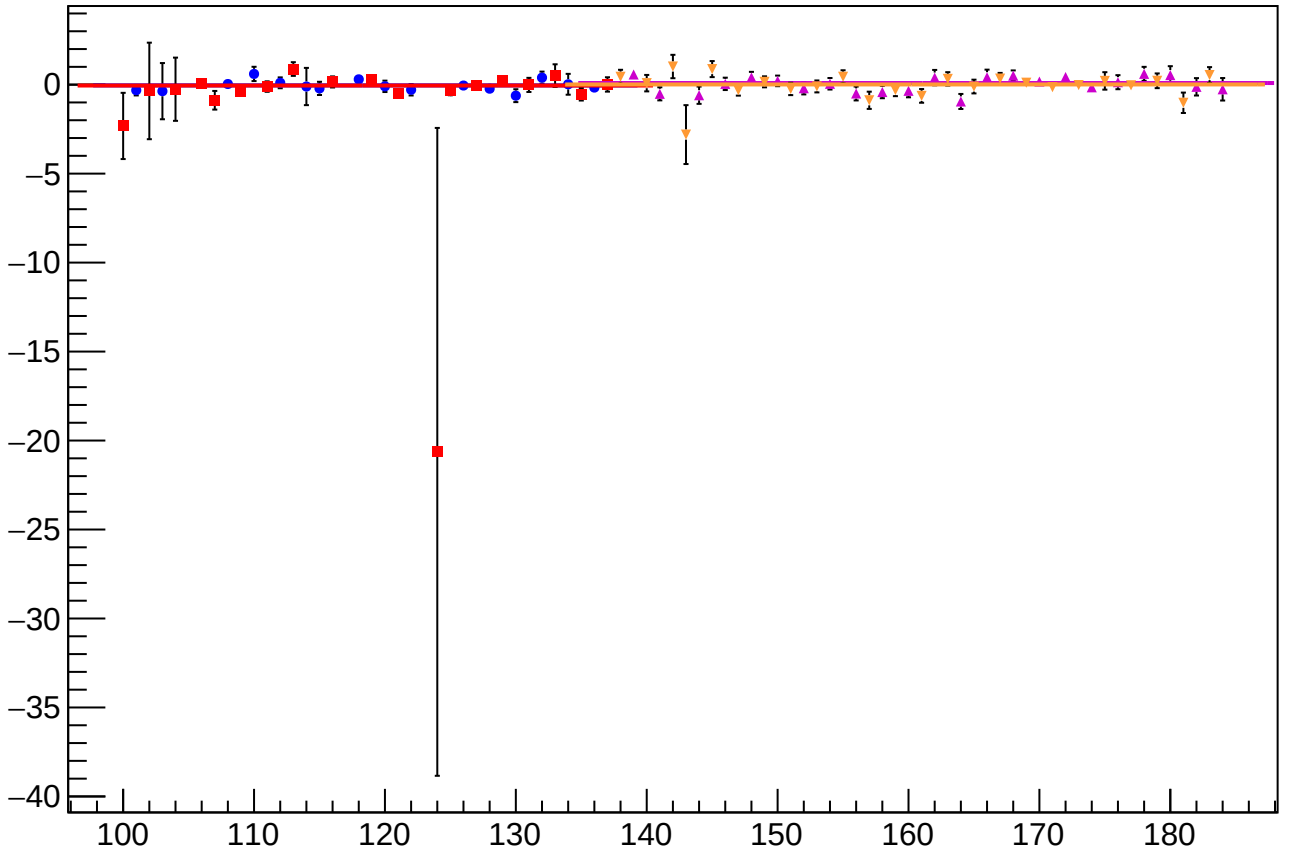
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 11300804.8/39

All: 0.008+/-0.000 χ^2/NDF: 21481678.4/81

- sign 0.008+/-0.000 χ^2/NDF: 10072377.1/41



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

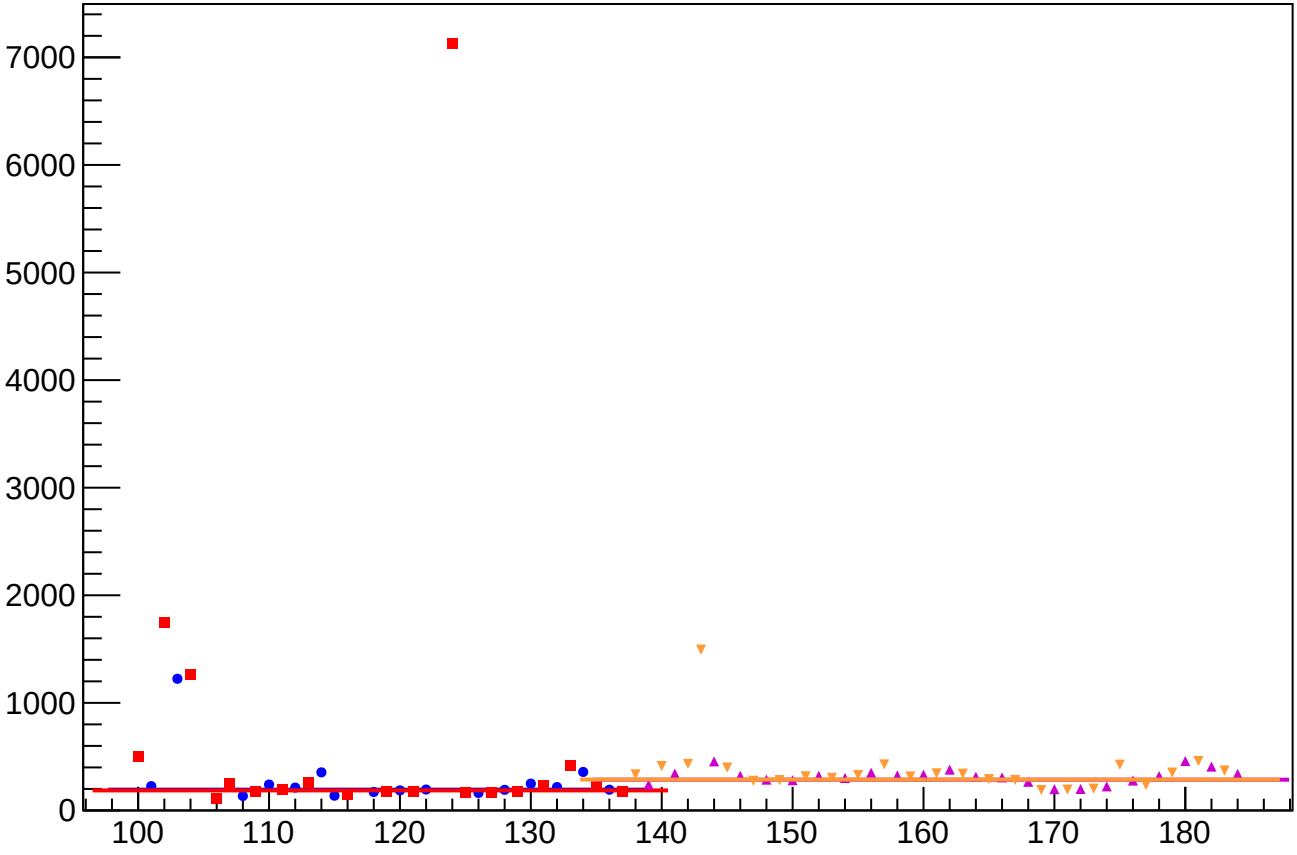
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.013+/-0.052 χ^2/NDF: 40.2/39

All: 0.008+/-0.037 χ^2/NDF: 96.1/81

- sign 0.028+/-0.053 χ^2/NDF: 55.7/41

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

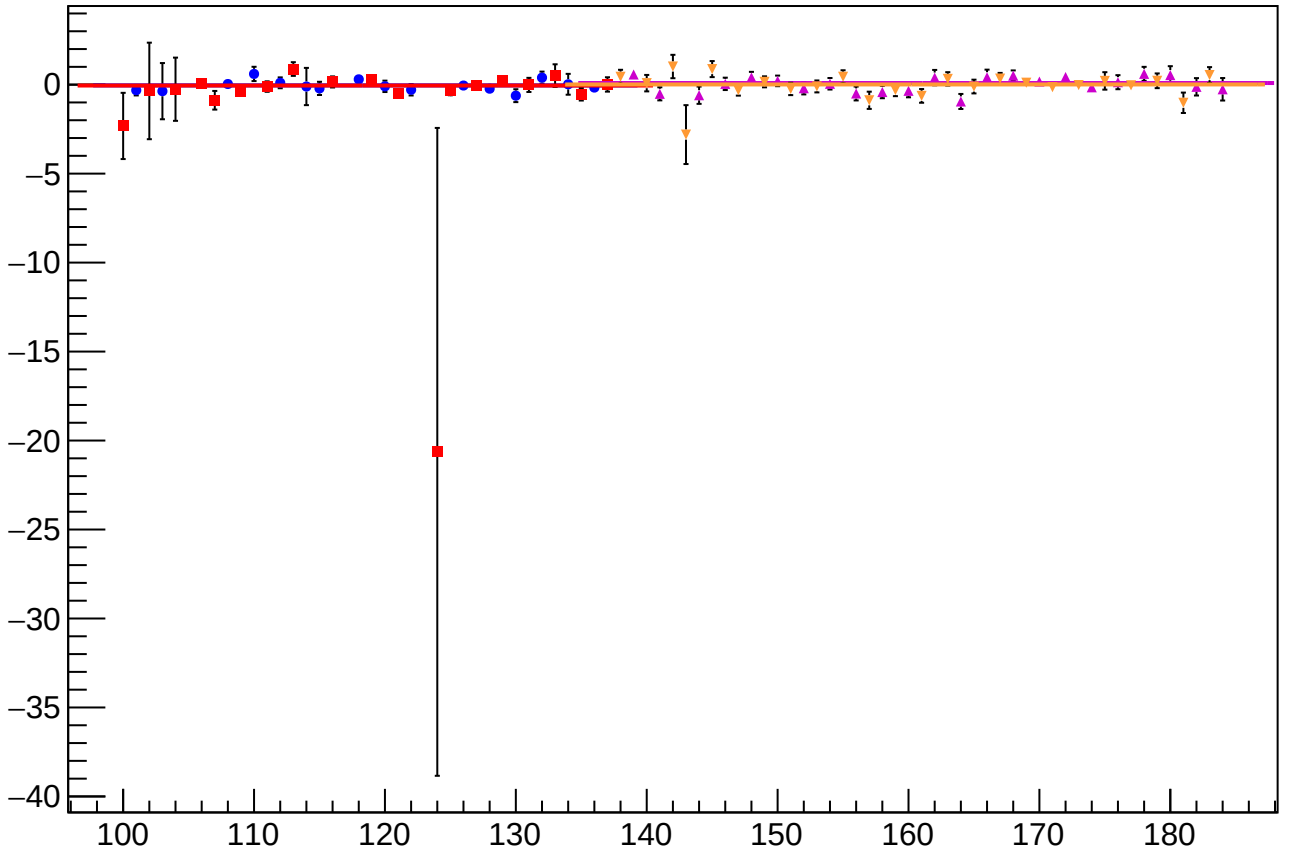
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.655+/-0.037 χ^2/NDF: 6342494.1/39

All: 243.176+/-0.026 χ^2/NDF: 12342561.3/81

- sign 241.689+/-0.037 χ^2/NDF: 5996867.1/41



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.011+/-0.071 χ^2/NDF:28.2/23

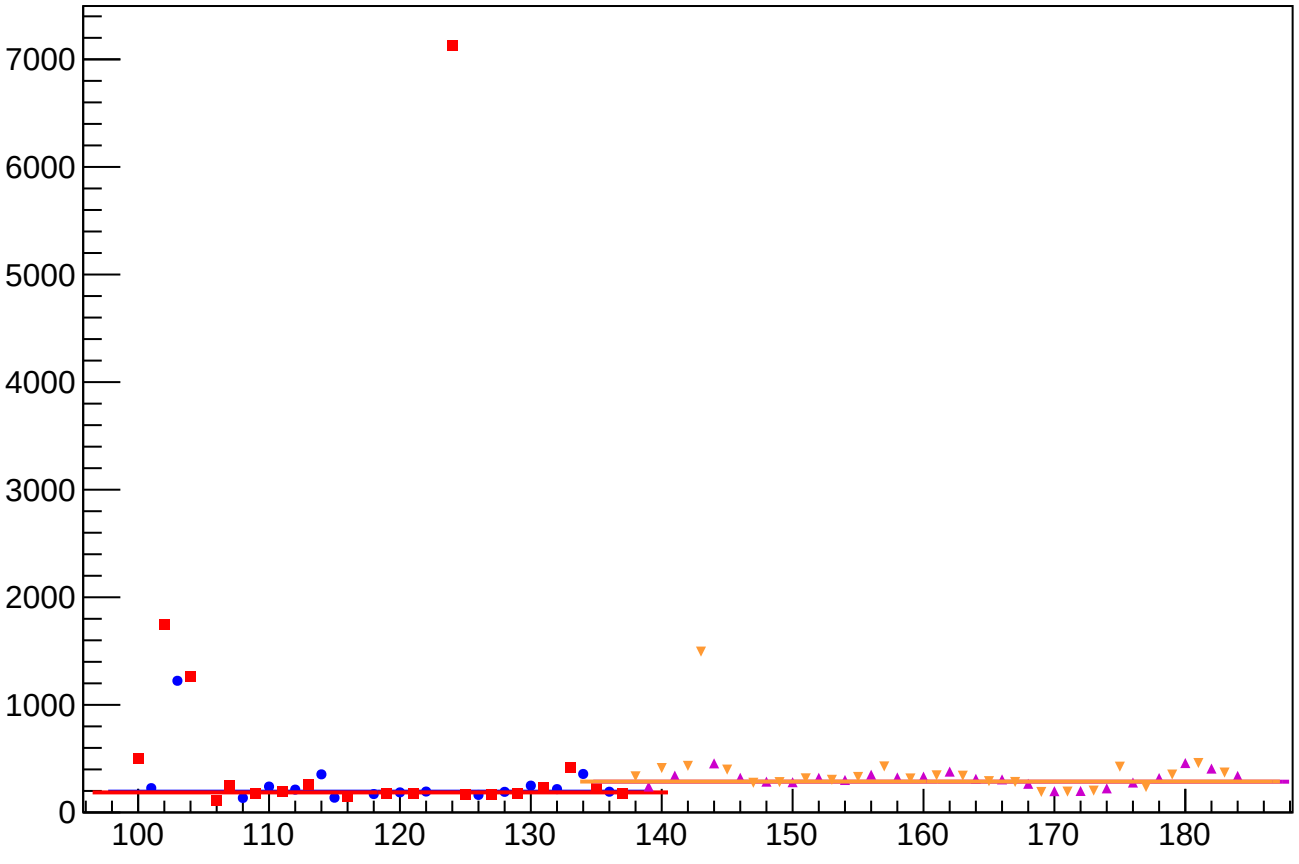
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.013+/-0.052 χ^2/NDF: 40.2/39

All: 0.008+/-0.037 χ^2/NDF: 96.1/81

- sign 0.028+/-0.053 χ^2/NDF: 55.7/41



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 287.341+/-0.050 χ^2/NDF:3333871.6/23

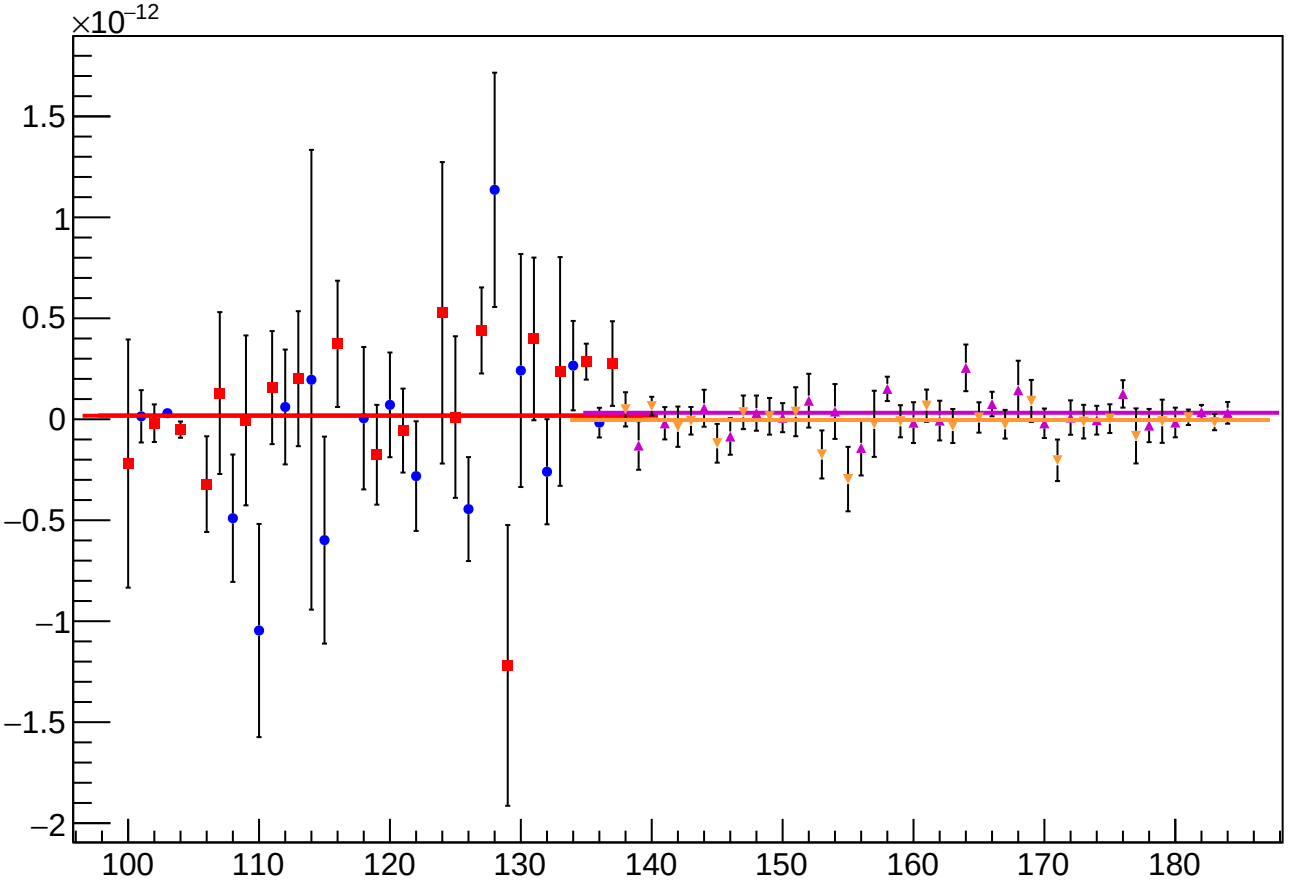
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.655+/-0.037 χ^2/NDF: 6342494.1/39

All: 243.176+/-0.026 χ^2/NDF: 12342561.3/81

- sign 241.689+/-0.037 χ^2/NDF: 5996867.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/23

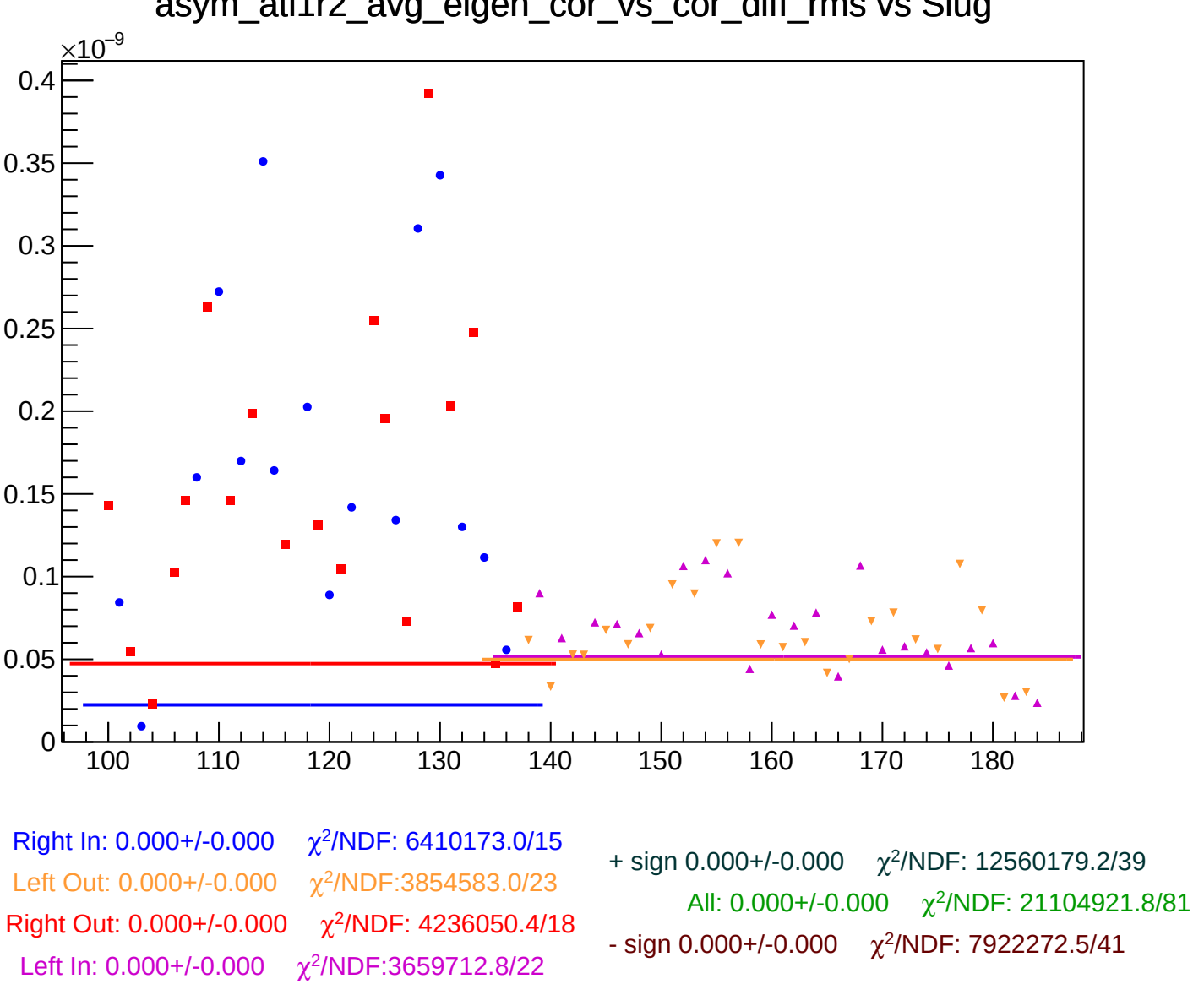
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

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

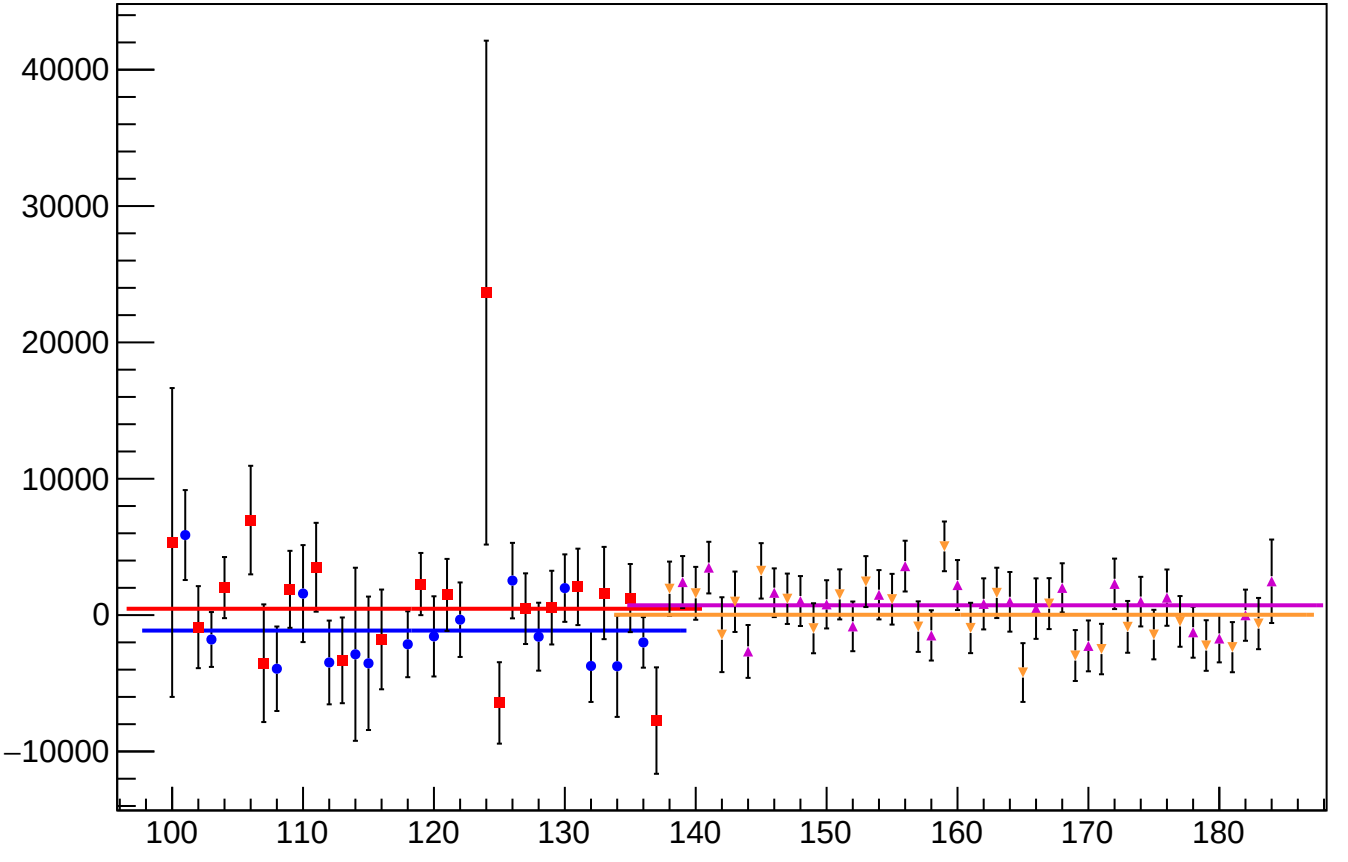
+ sign 0.000+/-0.000 χ^2/NDF: 36.2/39

All: 0.000+/-0.000 χ^2/NDF: 84.1/81

- sign 0.000+/-0.000 χ^2/NDF: 46.0/41


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:3659712.8/22
+ sign 0.000+/-0.000 χ²/NDF: 12560179.2/39
All: 0.000+/-0.000 χ²/NDF: 21104921.8/81
- sign 0.000+/-0.000 χ²/NDF: 7922272.5/41

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

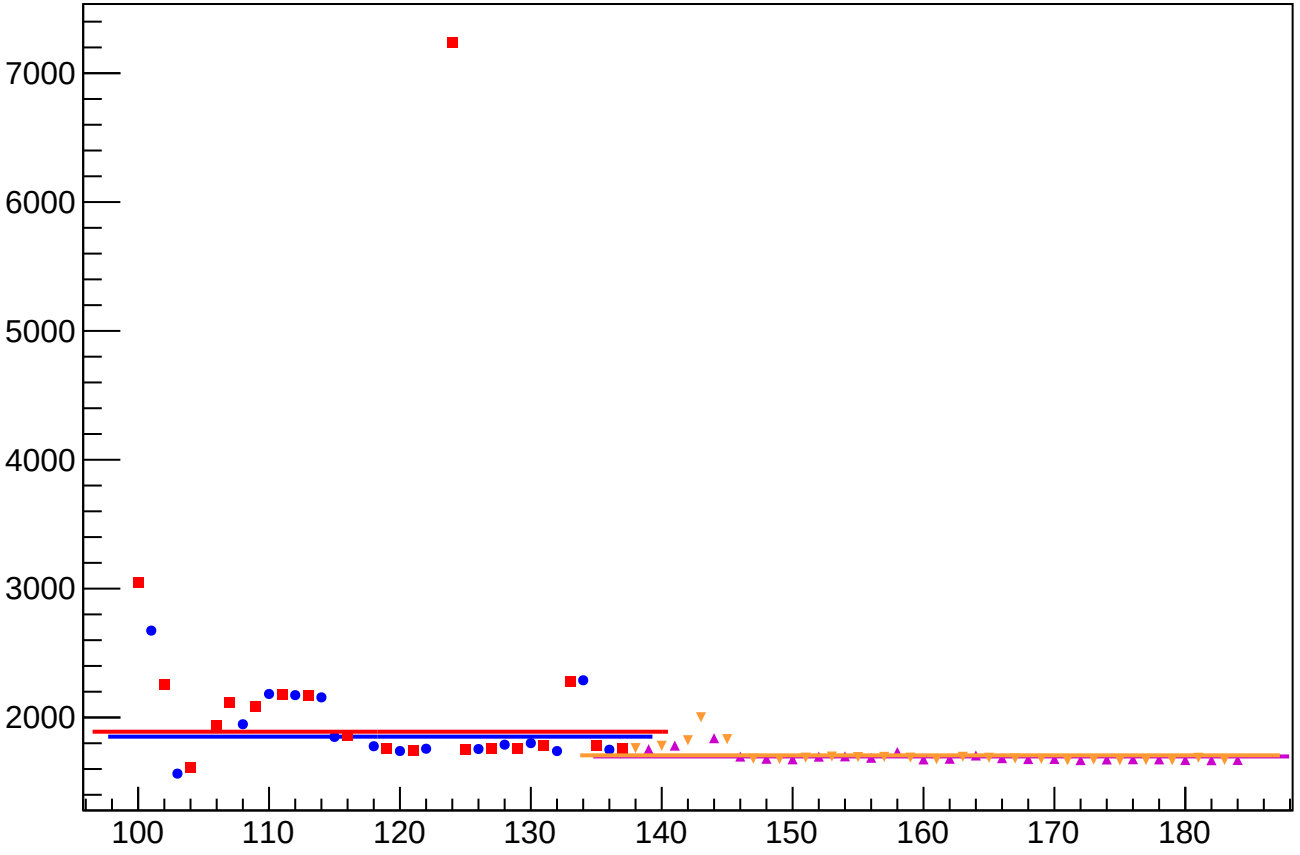
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -254.053+/-340.297 χ^2/NDF: 43.8/39

All: 195.131+/-242.503 χ^2/NDF: 86.5/81

- sign 658.605+/-345.668 χ^2/NDF: 39.2/41

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

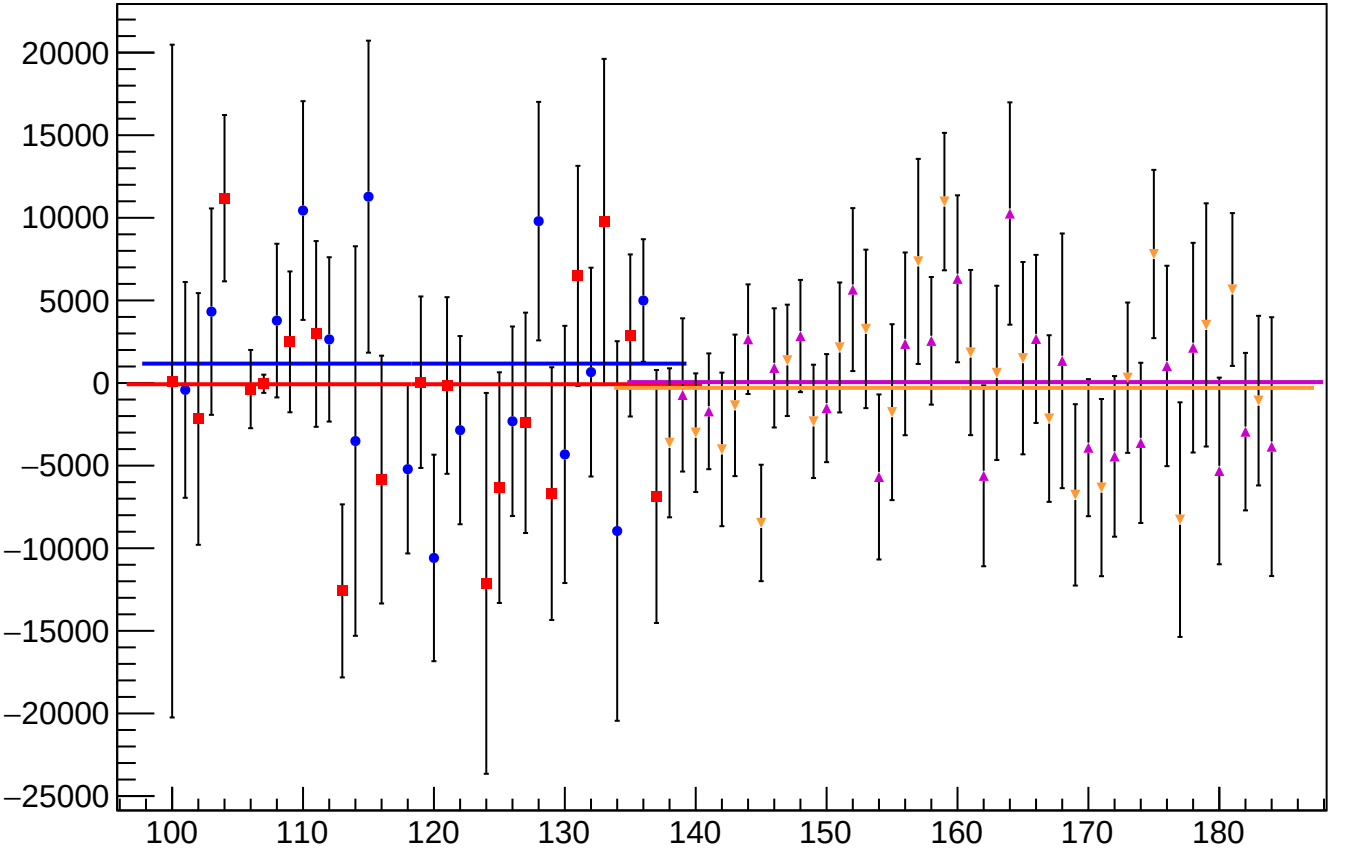
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.112+/-0.241 χ^2/NDF: 385775.9/39

All: 1742.395+/-0.171 χ^2/NDF: 878771.2/81

- sign 1743.716+/-0.244 χ^2/NDF: 492937.6/41

asym_atl1r2_dd_reg_correction_mean vs Slug



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

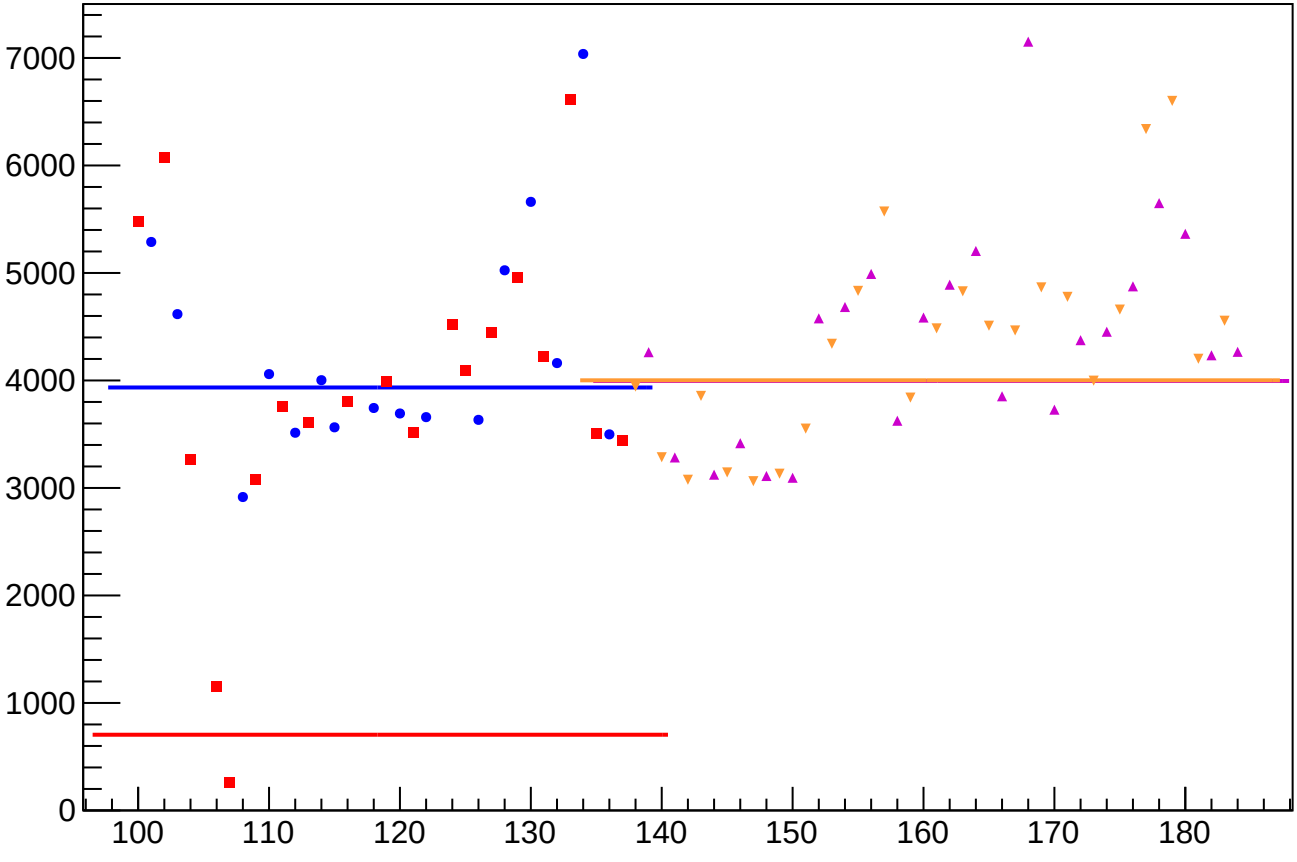
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 120.369+/-797.069 χ^2/NDF: 41.0/39

All: -5.023+/-389.908 χ^2/NDF: 73.2/81

- sign -44.467+/-447.047 χ^2/NDF: 32.2/41

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

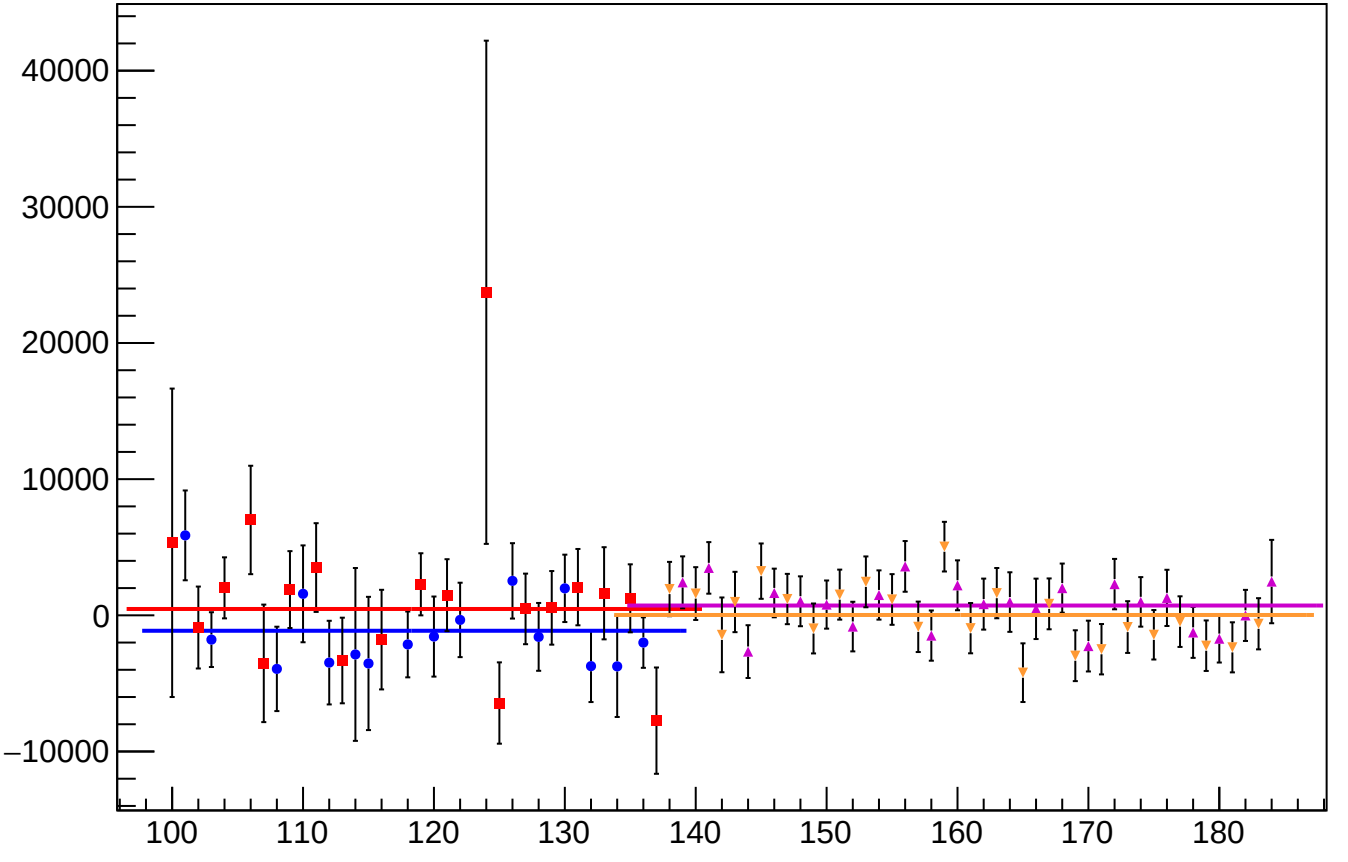
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 3982.563+/-0.564 χ^2/NDF: 2060047.8/39

All: 2035.760+/-0.276 χ^2/NDF: 48404087.4/8

- sign 1423.357+/-0.316 χ^2/NDF: 30659716.5/41

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

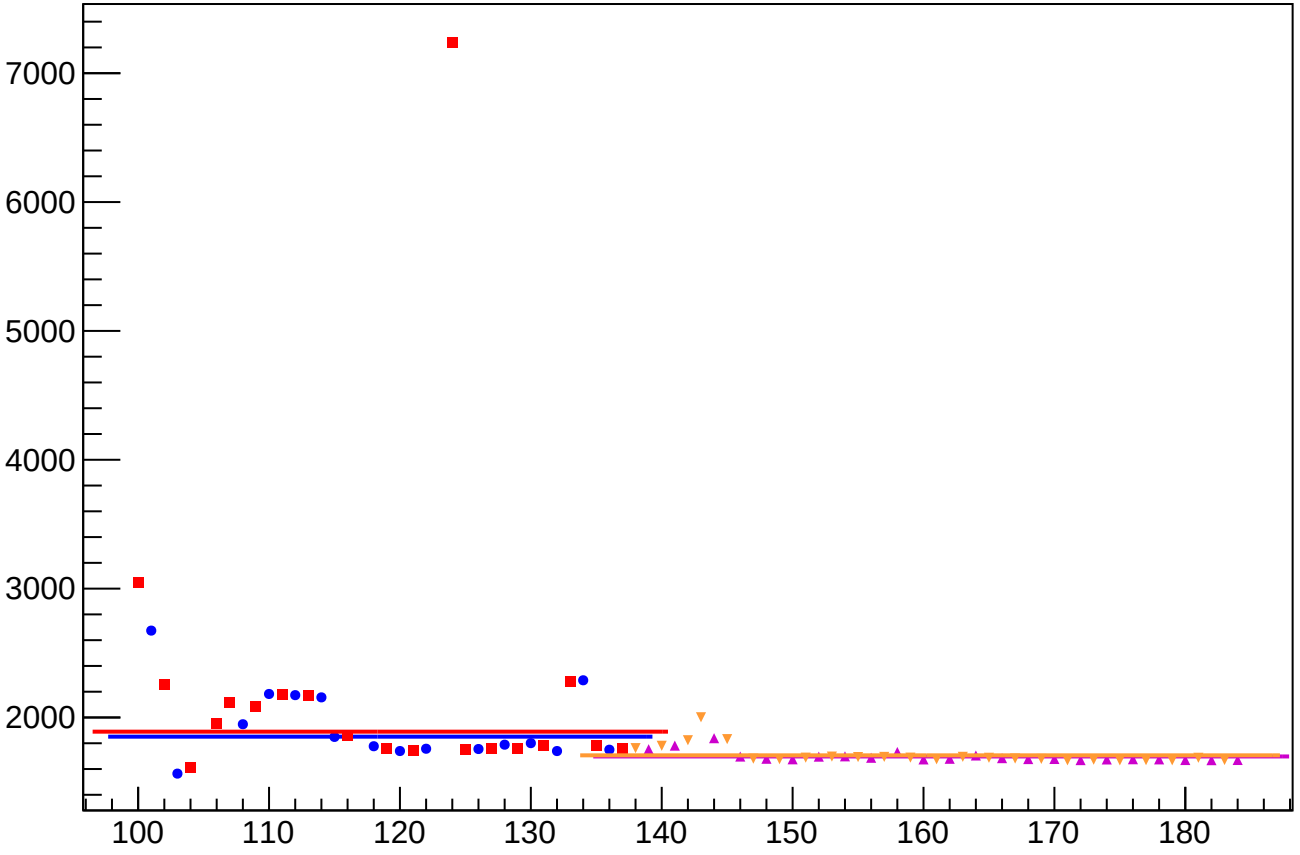
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -253.903+/-340.297 χ^2/NDF: 43.8/39

All: 195.206+/-242.503 χ^2/NDF: 86.6/81

\- sign 658.602+/-345.668 χ^2/NDF: 39.2/41

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

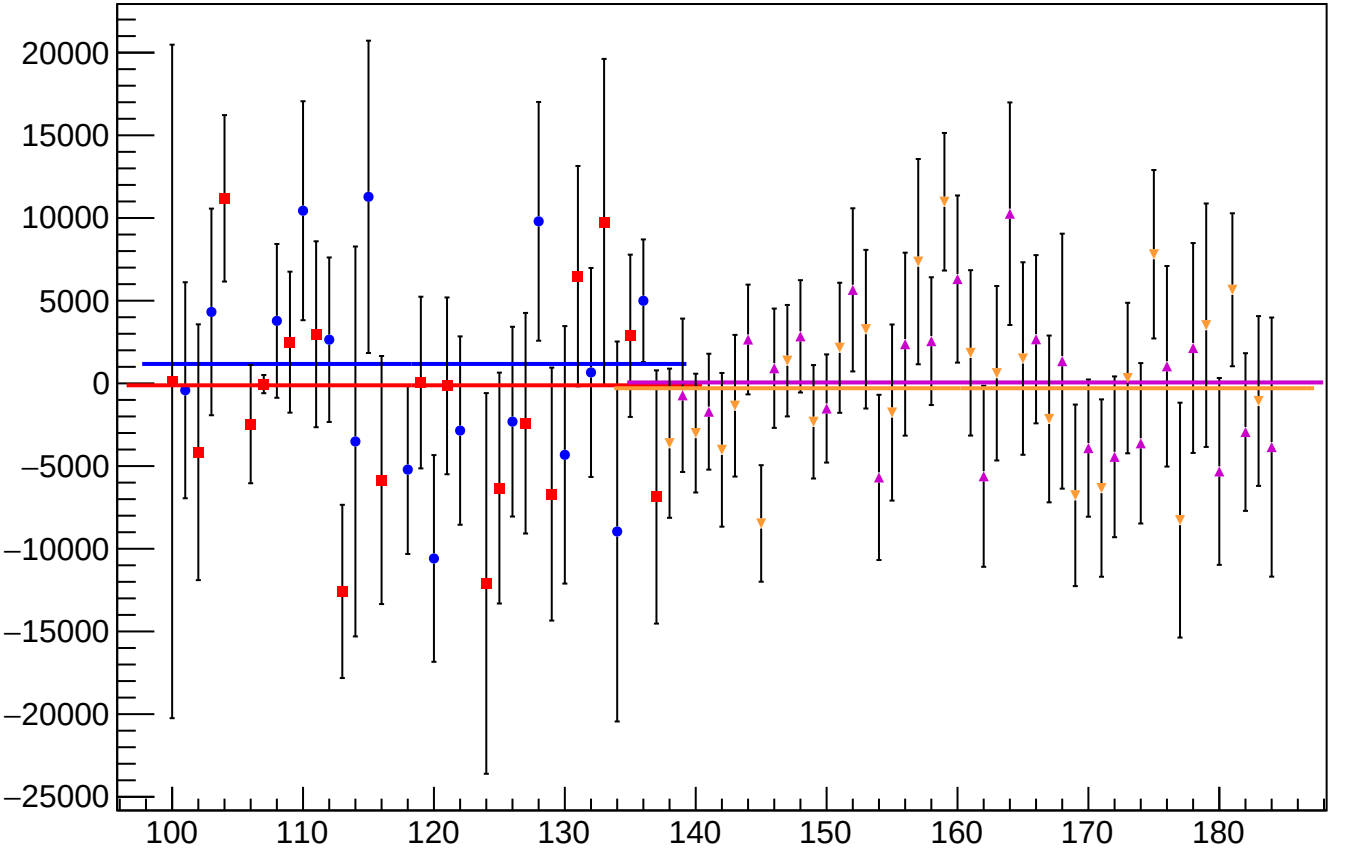
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.112+/-0.241 χ^2/NDF: 385775.4/39

All: 1742.441+/-0.171 χ^2/NDF: 879495.0/81

- sign 1743.811+/-0.244 χ^2/NDF: 493657.8/41

asym_atl1r2_dd_cor_correction_mean vs Slug



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

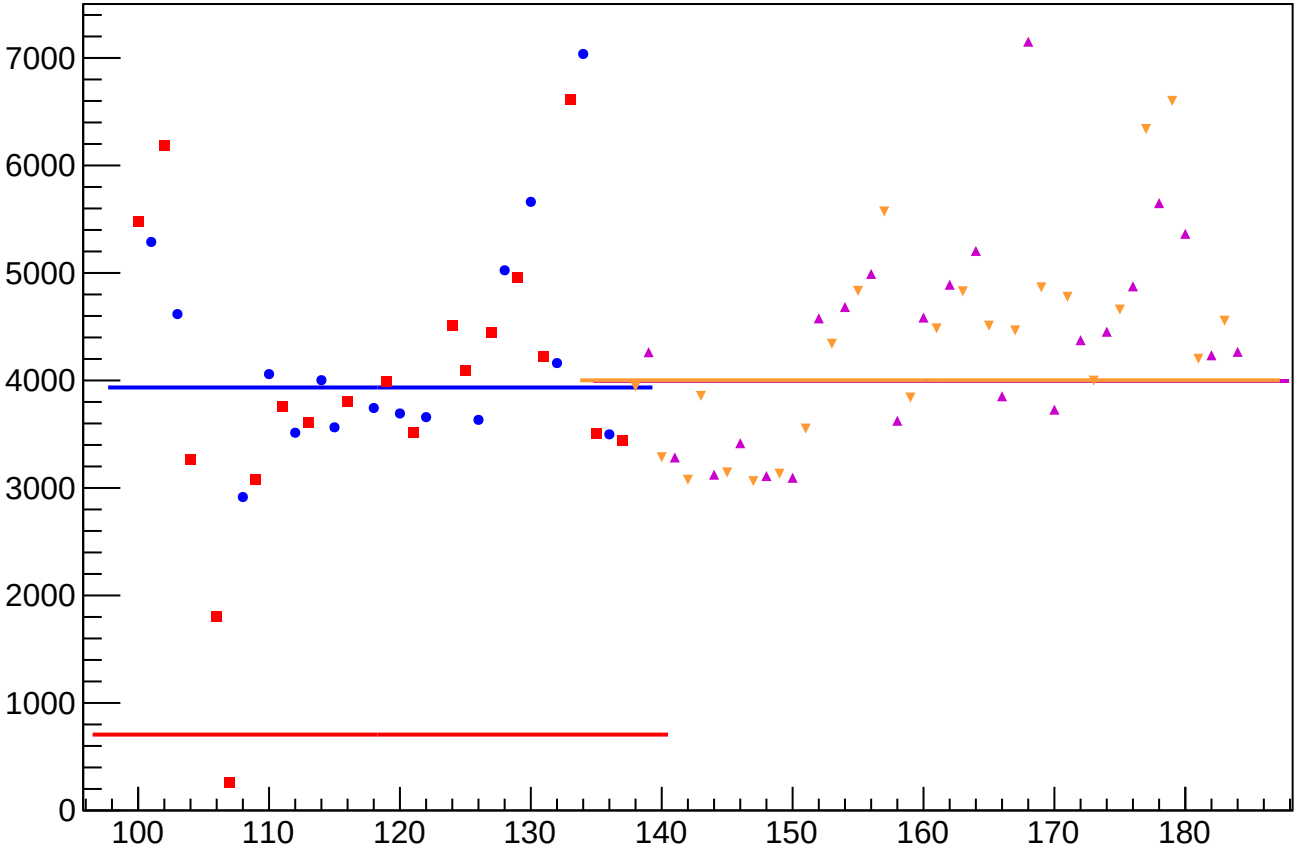
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 120.372+/-797.069 χ^2/NDF: 41.0/39

All: -29.422+/-392.907 χ^2/NDF: 73.9/81

- sign -77.504+/-451.585 χ^2/NDF: 32.9/41

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

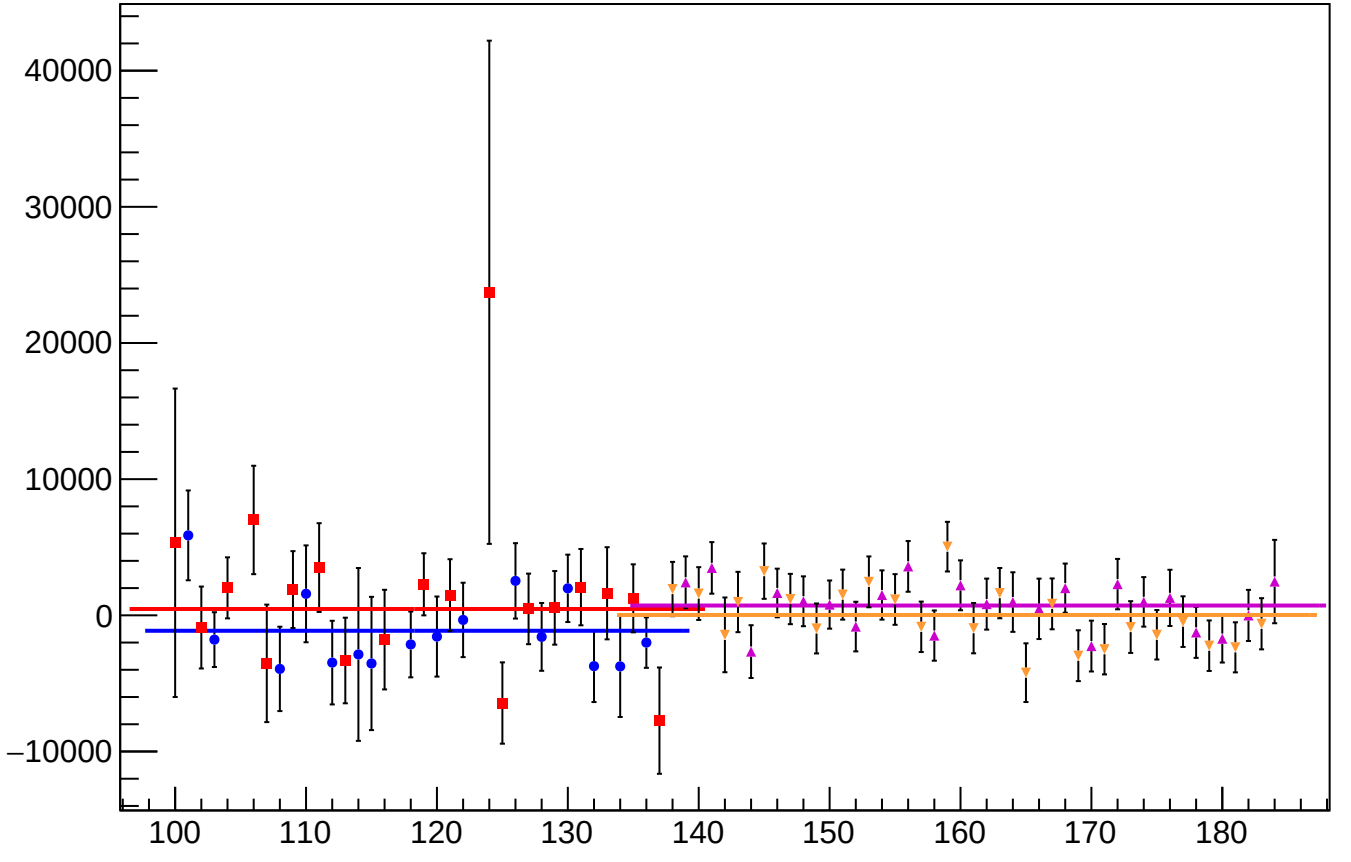
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 3982.560+/-0.564 χ^2/NDF: 2060090.1/39

All: 2057.049+/-0.278 χ^2/NDF: 48147034.7/8

- sign 1438.986+/-0.319 χ^2/NDF: 30668914.8/41

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

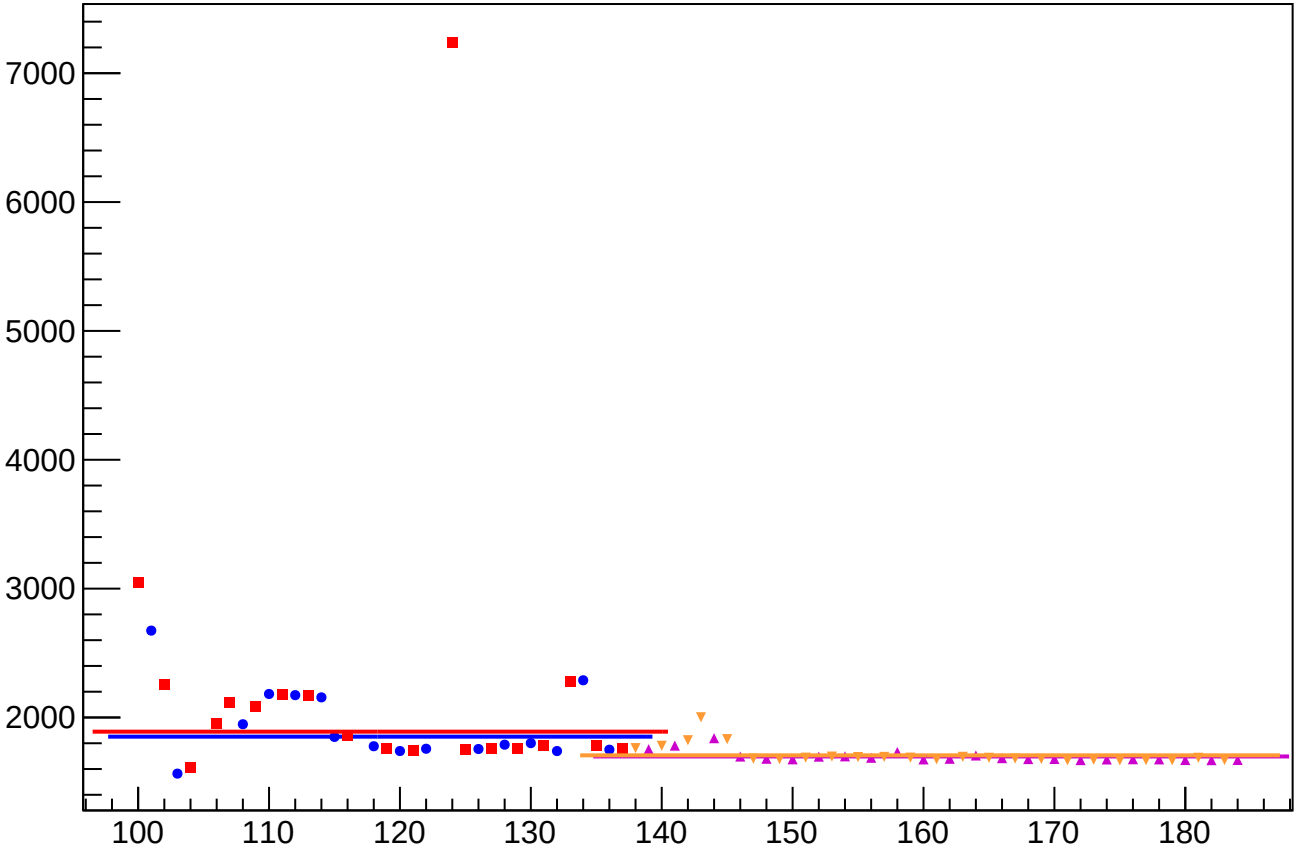
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -253.903+/-340.297 χ^2/NDF: 43.8/39

All: 195.206+/-242.503 χ^2/NDF: 86.6/81

\- sign 658.602+/-345.668 χ^2/NDF: 39.2/41

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

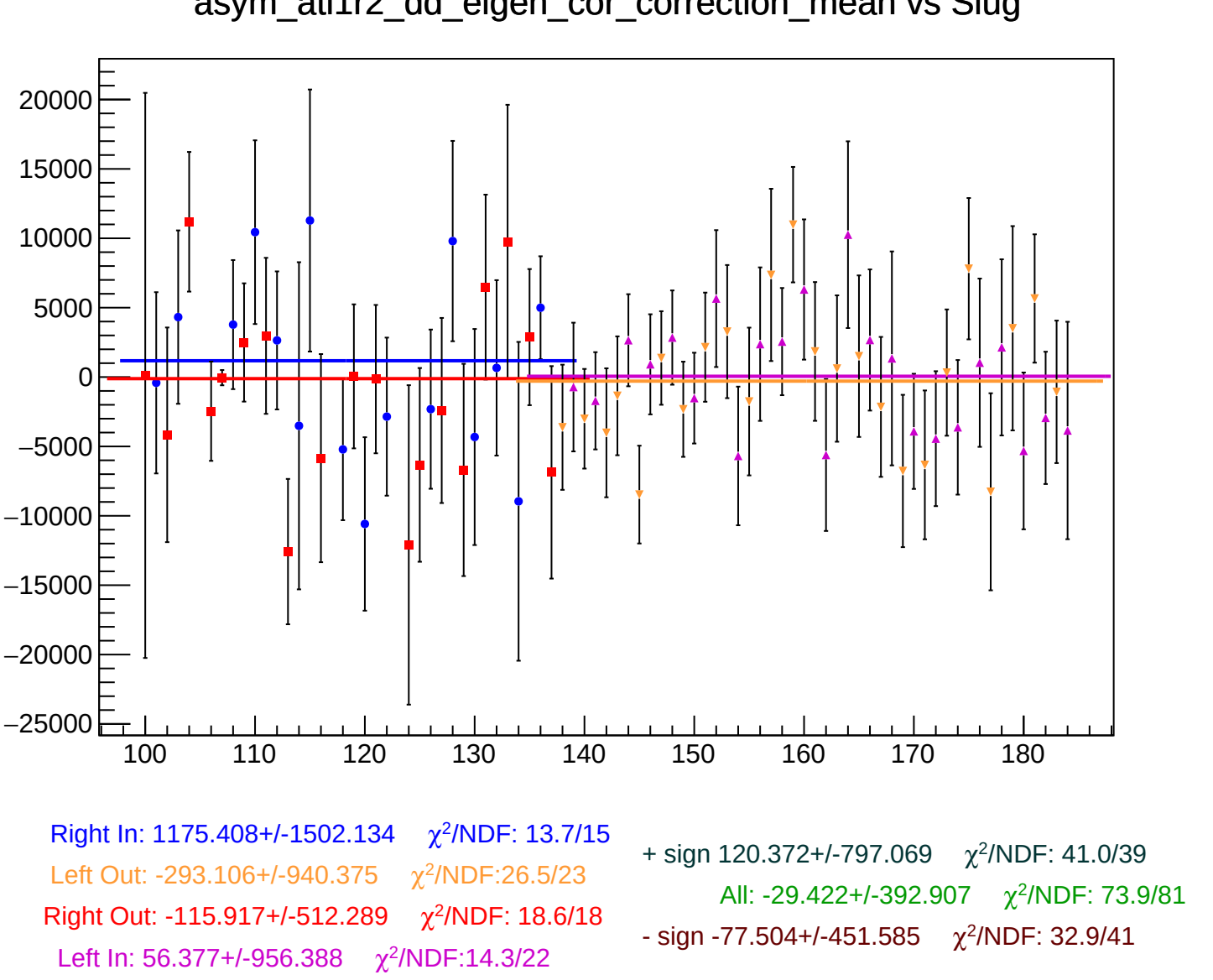
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

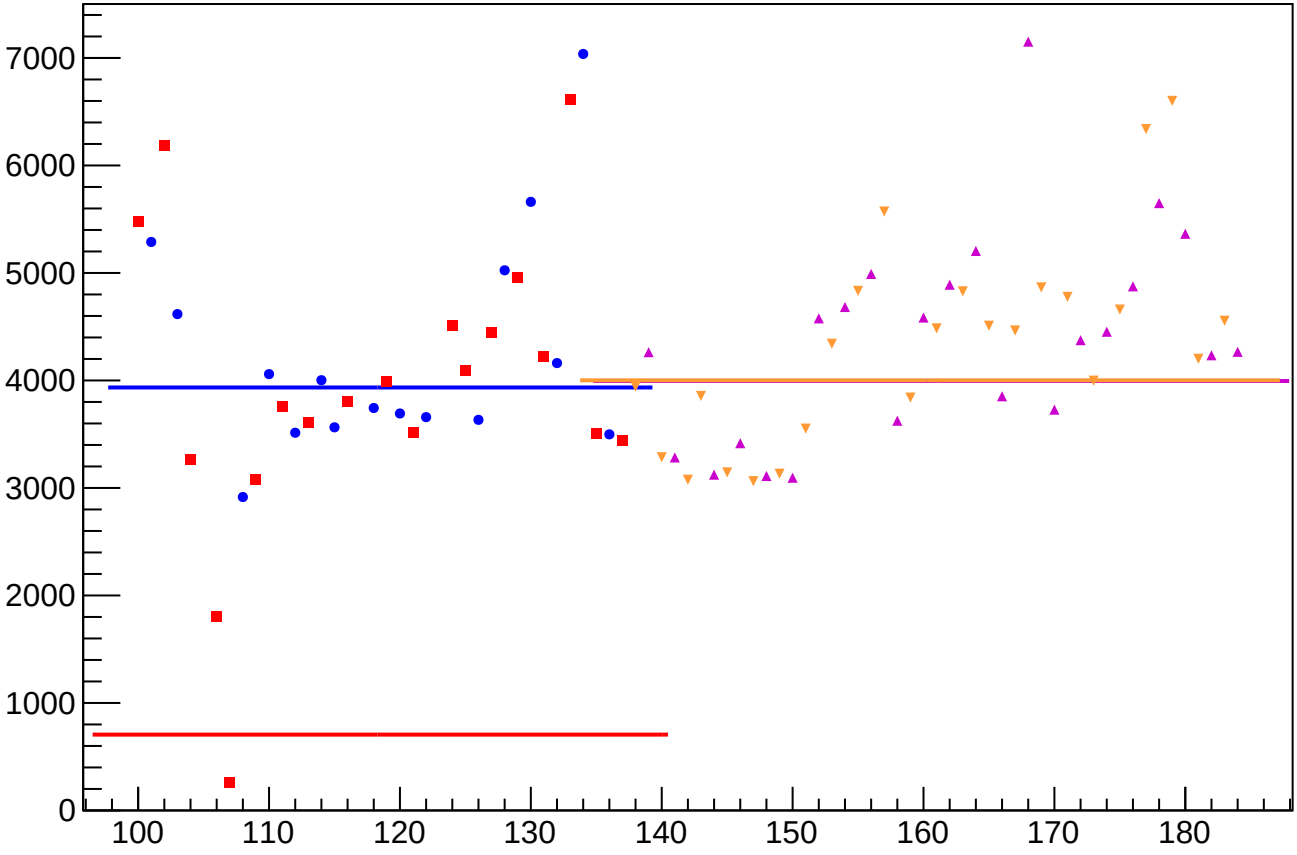
+ sign 1741.112+/-0.241 χ^2/NDF: 385775.4/39

All: 1742.441+/-0.171 χ^2/NDF: 879495.0/81

- sign 1743.811+/-0.244 χ^2/NDF: 493657.8/41


asym_atl1r2_dd_eigen_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: 56.377+/-956.388 χ²/NDF:14.3/22
+ sign 120.372+/-797.069 χ²/NDF: 41.0/39
All: -29.422+/-392.907 χ²/NDF: 73.9/81
- sign -77.504+/-451.585 χ²/NDF: 32.9/41

asym_atl1r2_dd_eigen_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

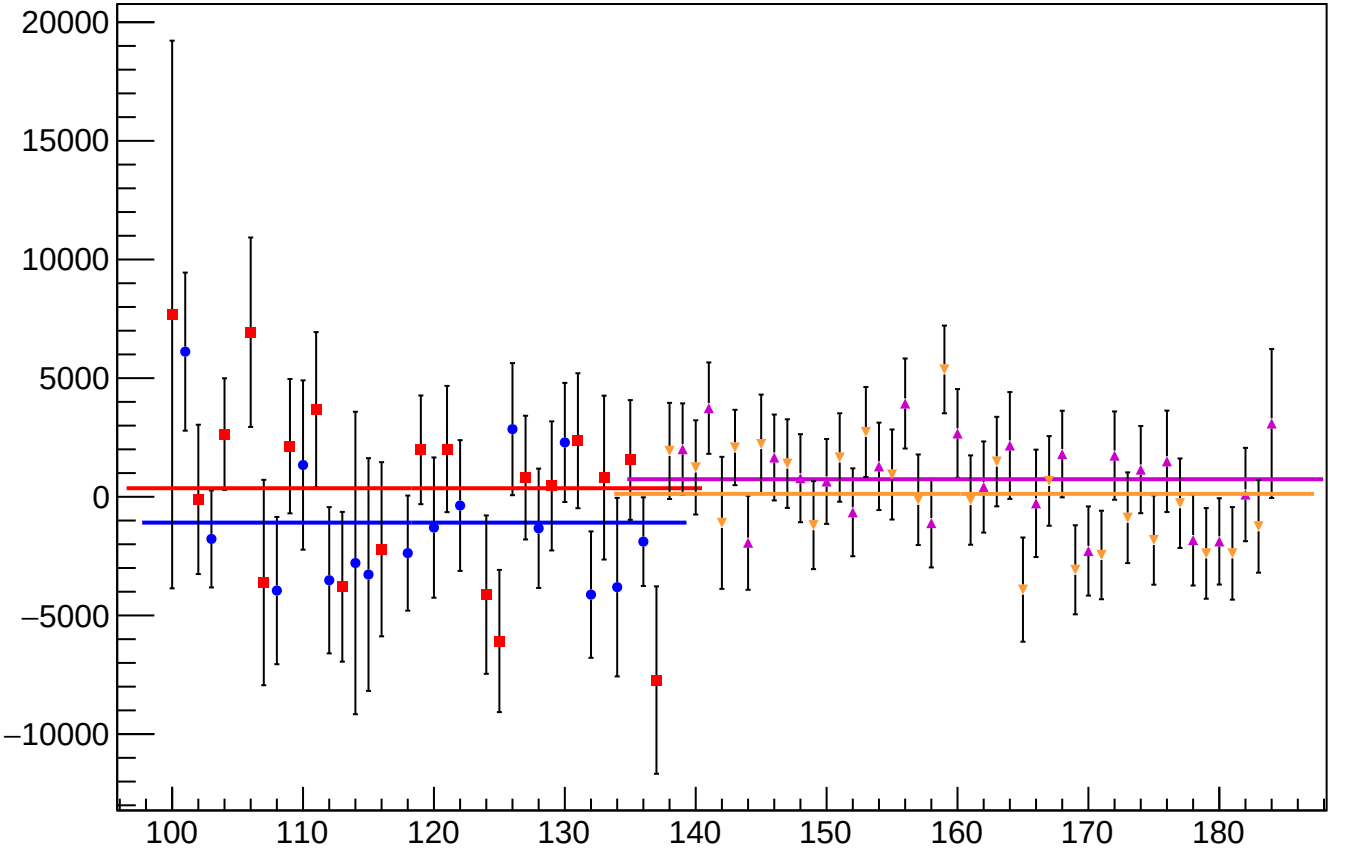
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 3982.560+/-0.564 χ^2/NDF: 2060090.1/39

All: 2057.049+/-0.278 χ^2/NDF: 48147034.7/8

- sign 1438.986+/-0.319 χ^2/NDF: 30668914.8/41

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

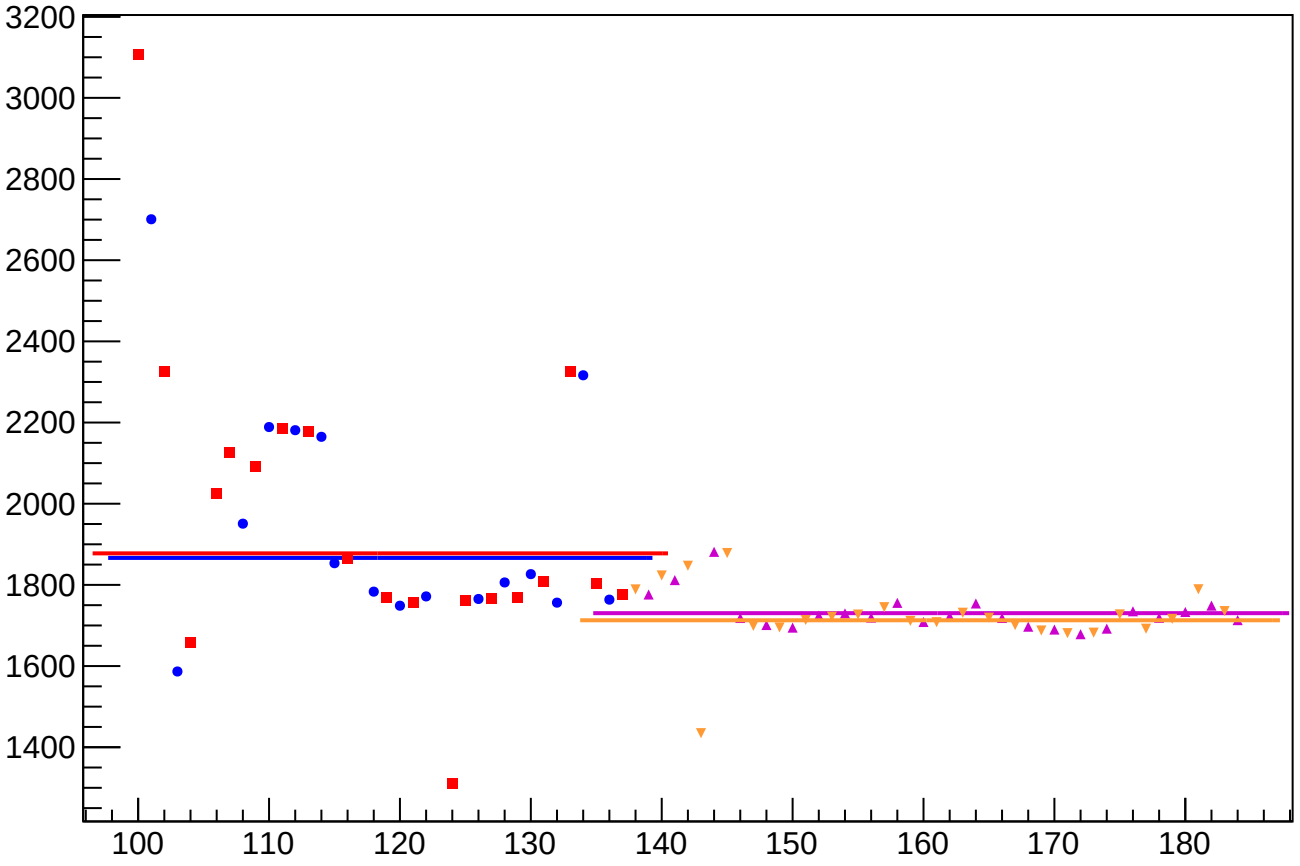
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -165.315+/-342.113 χ^2/NDF: 45.2/39

All: 231.196+/-244.640 χ^2/NDF: 88.0/81

- sign 646.124+/-349.968 χ^2/NDF: 40.1/41

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

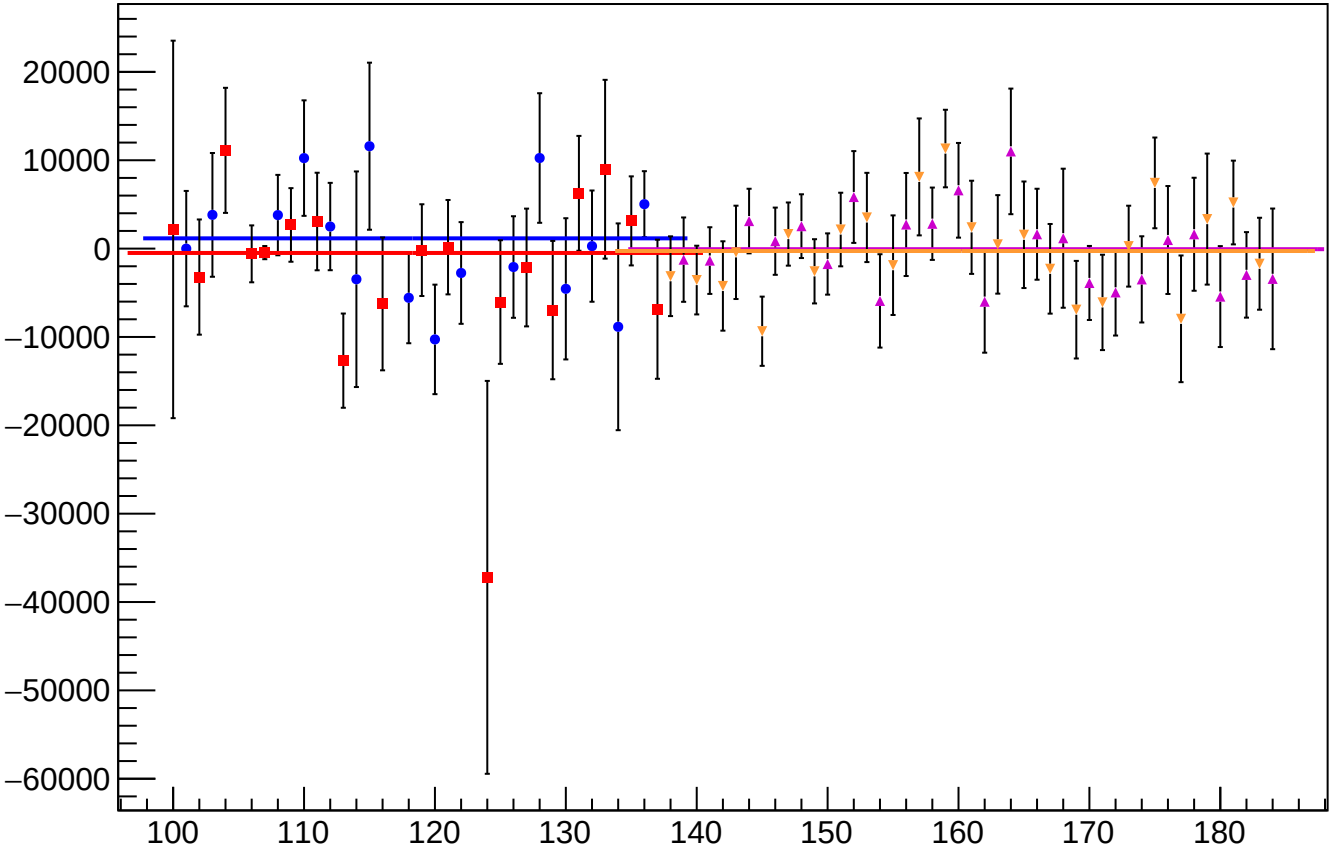
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1749.551+/-0.242 χ^2/NDF: 423836.1/39

All: 1758.199+/-0.173 χ^2/NDF: 767941.8/81

- sign 1767.245+/-0.247 χ^2/NDF: 341490.8/41

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

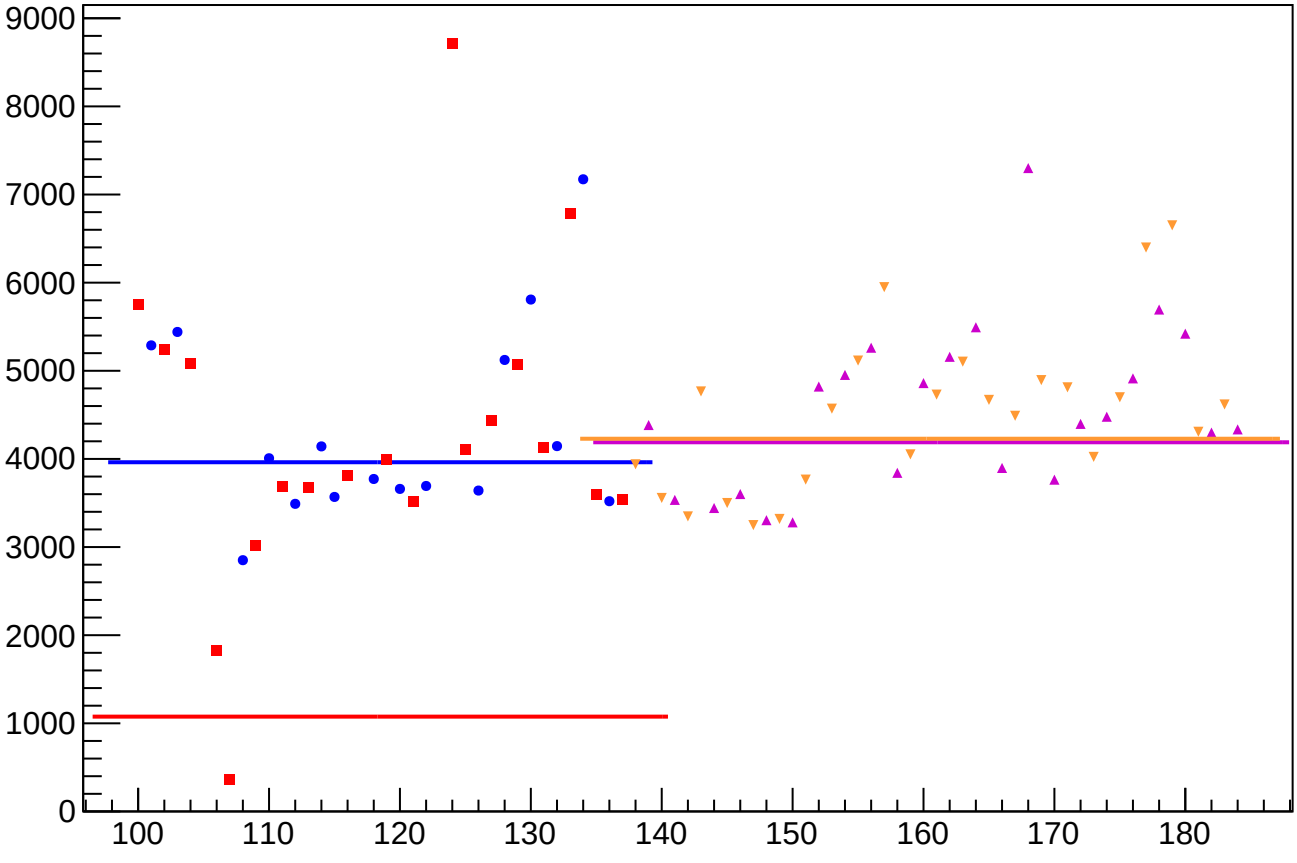
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 158.678+/-828.736 χ^2/NDF: 39.8/39

All: -203.869+/-458.258 χ^2/NDF: 71.2/81

- sign -363.547+/-549.993 χ^2/NDF: 31.1/41

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

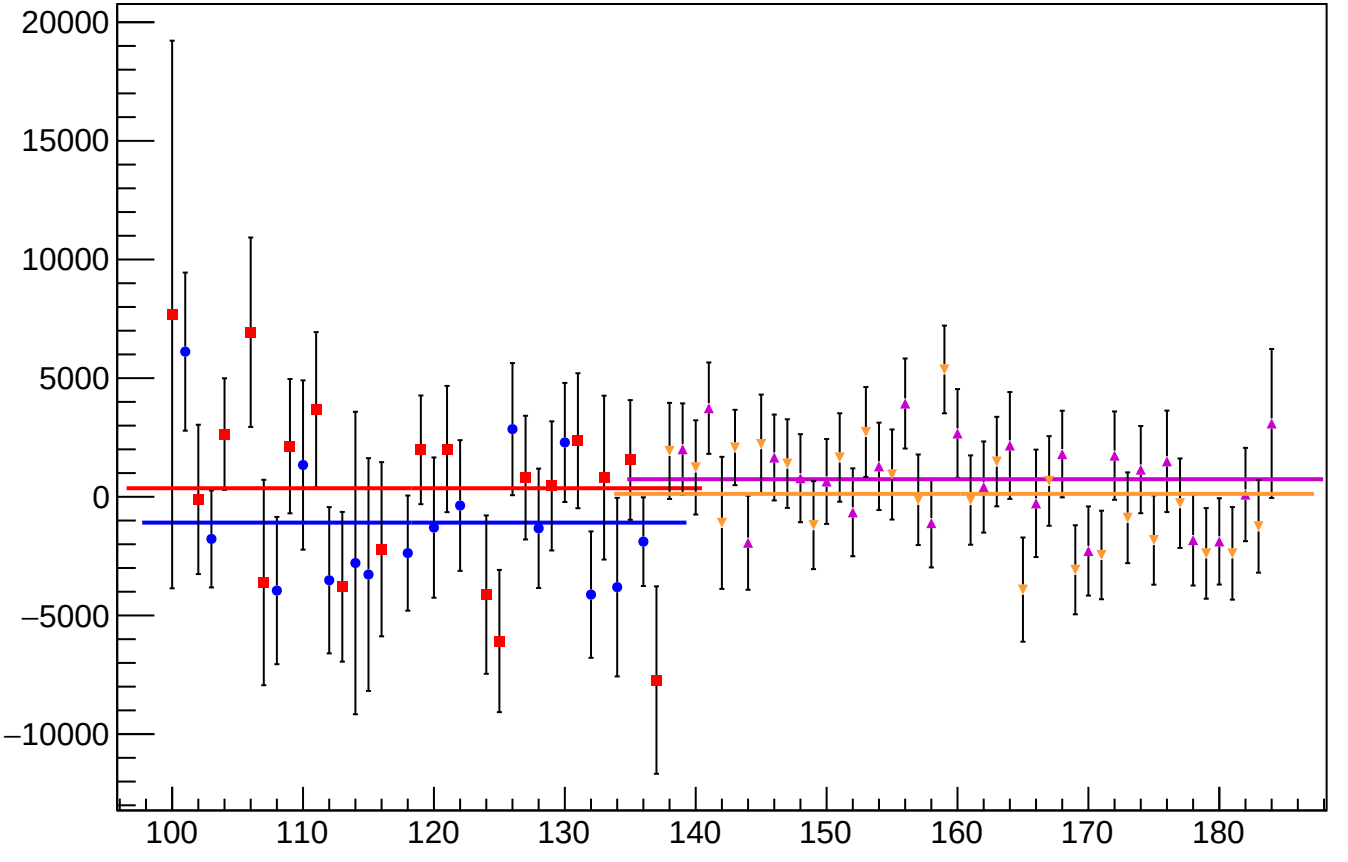
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4148.972+/-0.586 χ^2/NDF: 1992556.7/39

All: 2669.154+/-0.324 χ^2/NDF: 35597559.2/8

- sign 2017.390+/-0.389 χ^2/NDF: 24419394.3/41

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

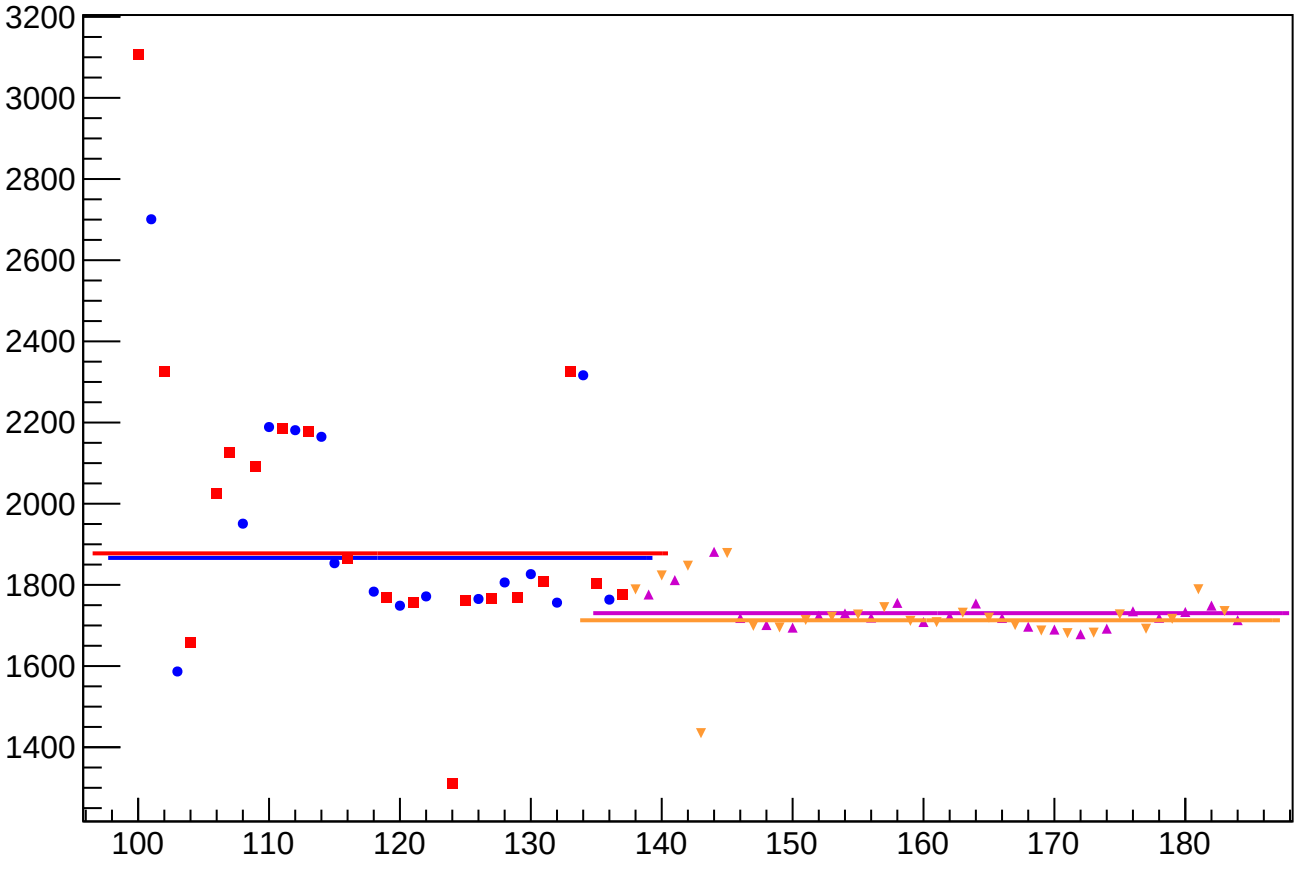
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -165.314+/-342.113 χ^2/NDF: 45.2/39

All: 231.196+/-244.640 χ^2/NDF: 88.0/81

- sign 646.124+/-349.968 χ^2/NDF: 40.1/41

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

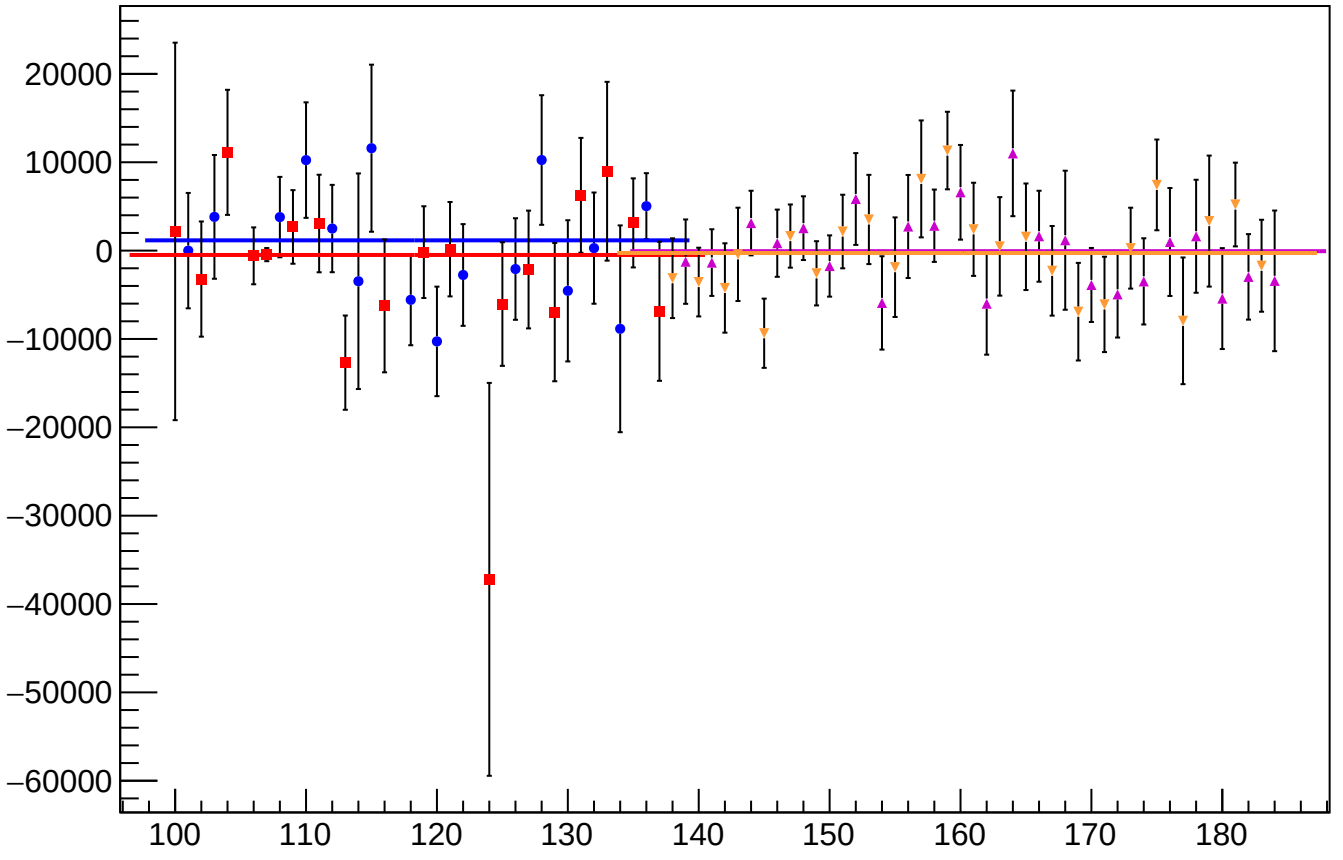
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1749.552+/-0.242 χ^2/NDF: 423834.4/39

All: 1758.200+/-0.173 χ^2/NDF: 767939.8/81

- sign 1767.246+/-0.247 χ^2/NDF: 341490.6/41



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

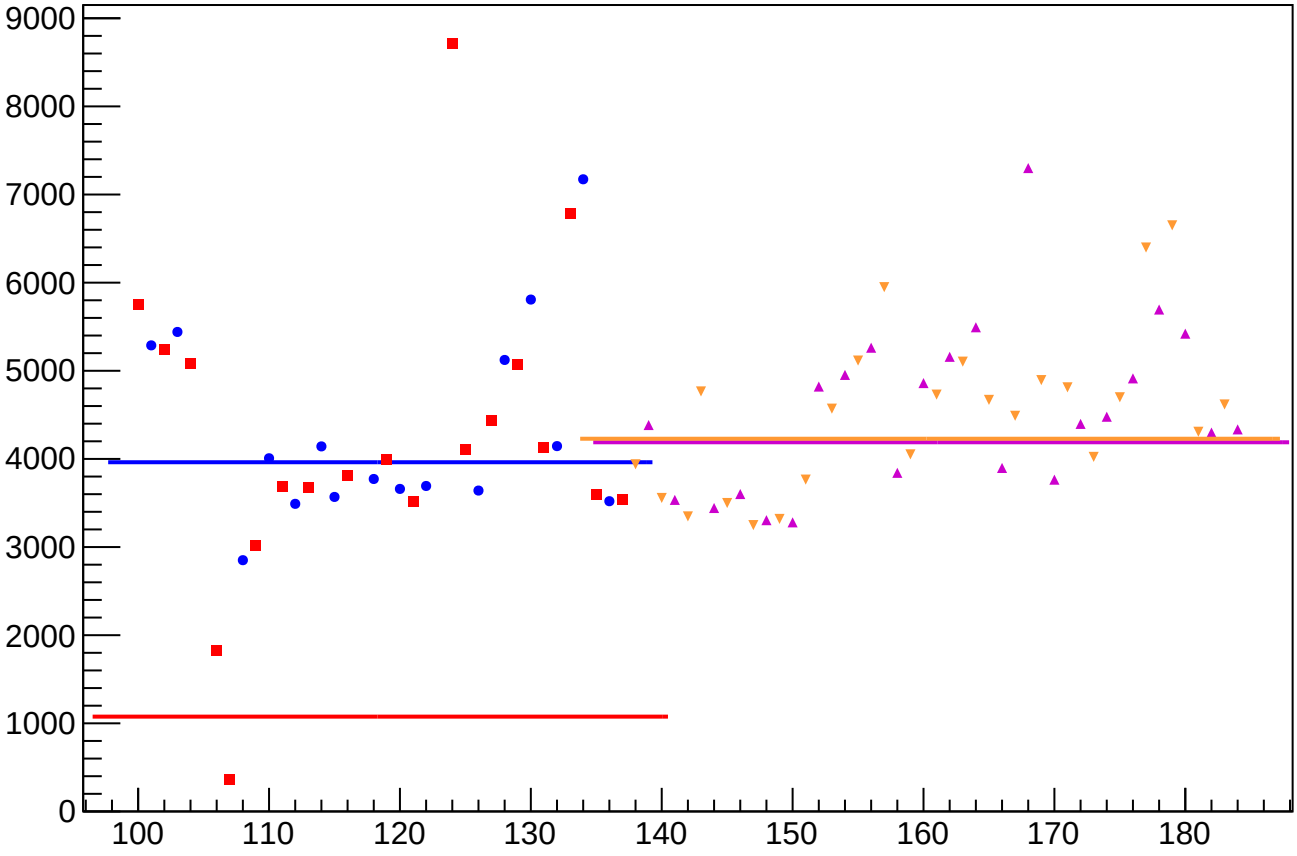
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 158.674+/-828.737 χ^2/NDF: 39.8/39

All: -203.869+/-458.262 χ^2/NDF: 71.2/81

- sign -363.550+/-550.000 χ^2/NDF: 31.1/41

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

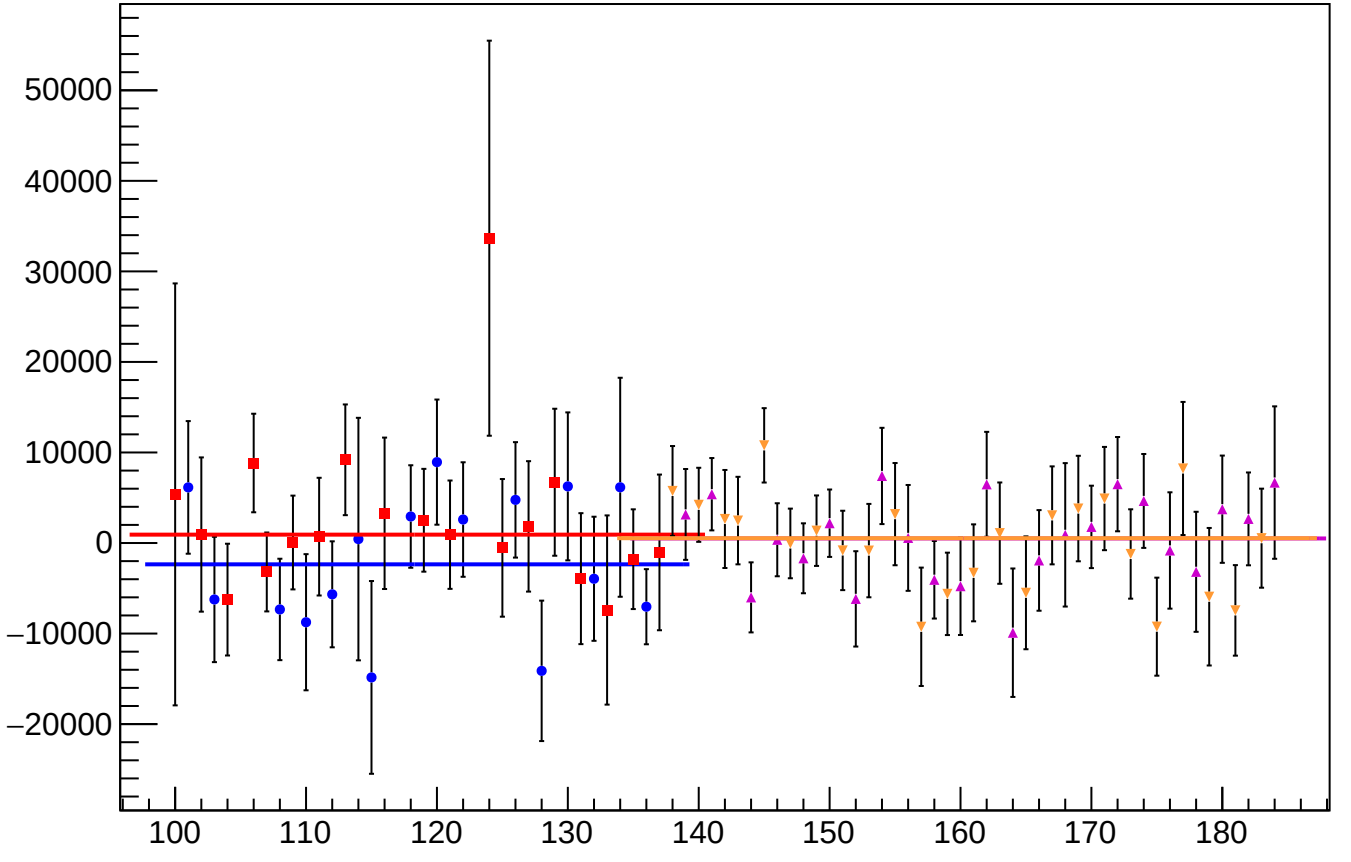
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4148.974+/-0.586 χ^2/NDF: 1992559.4/39

All: 2669.195+/-0.324 χ^2/NDF: 35596633.2/8

- sign 2017.433+/-0.389 χ^2/NDF: 24418892.1/41

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

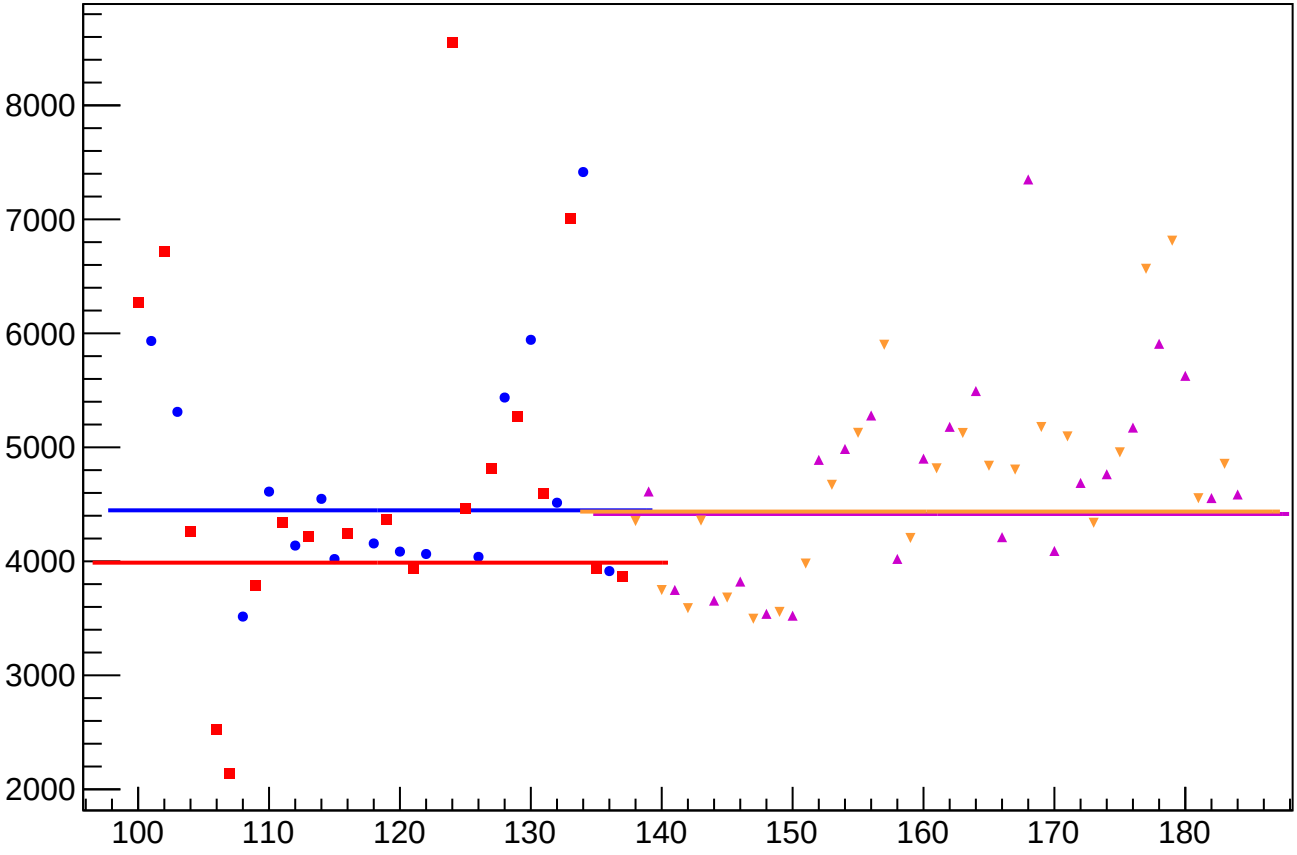
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -258.353+/-881.613 χ^2/NDF: 41.0/39

All: 195.489+/-618.737 χ^2/NDF: 69.5/81

- sign 636.017+/-868.585 χ^2/NDF: 28.0/41

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

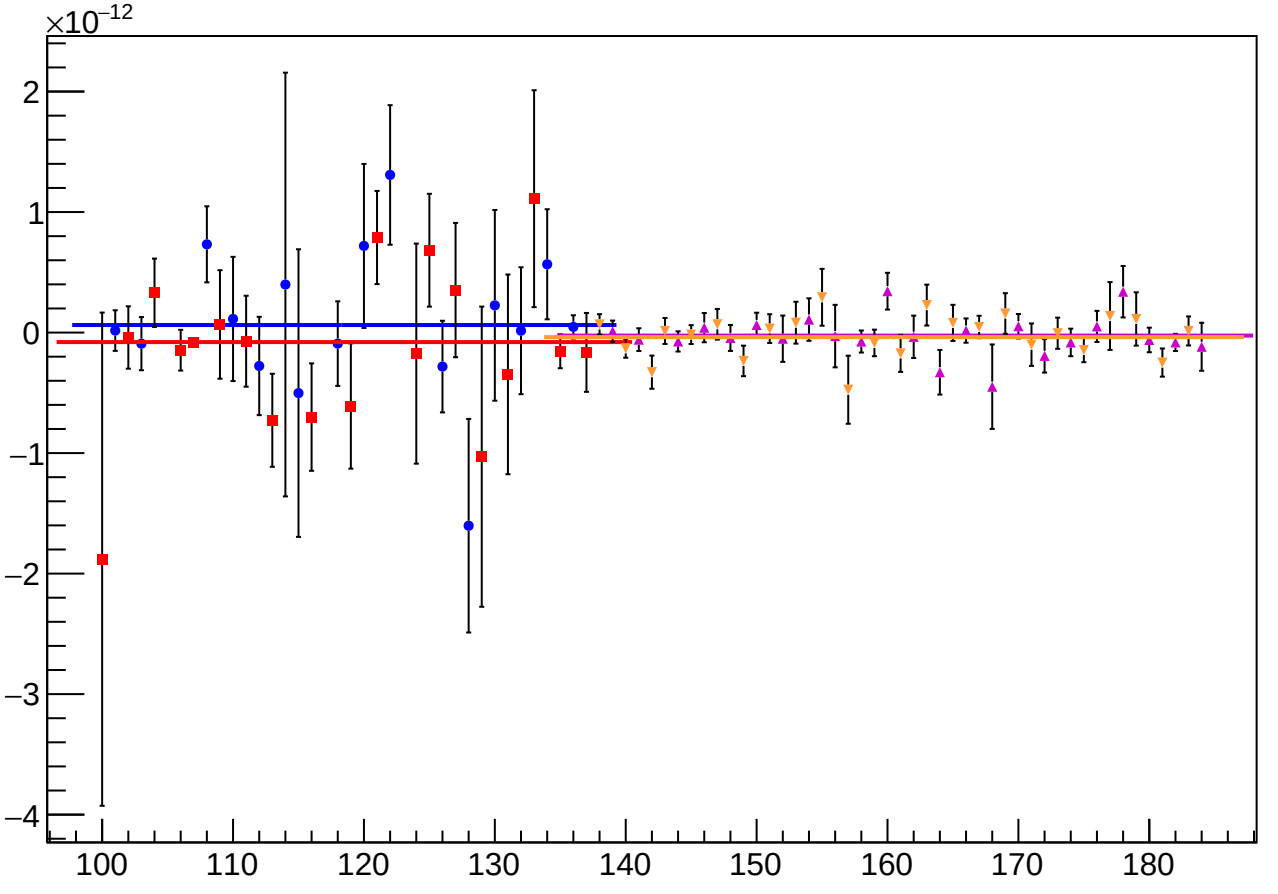
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4439.385+/-0.623 χ^2/NDF: 1528292.3/39

All: 4357.672+/-0.437 χ^2/NDF: 3923222.3/81

- sign 4278.857+/-0.612 χ^2/NDF: 2361176.9/41

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

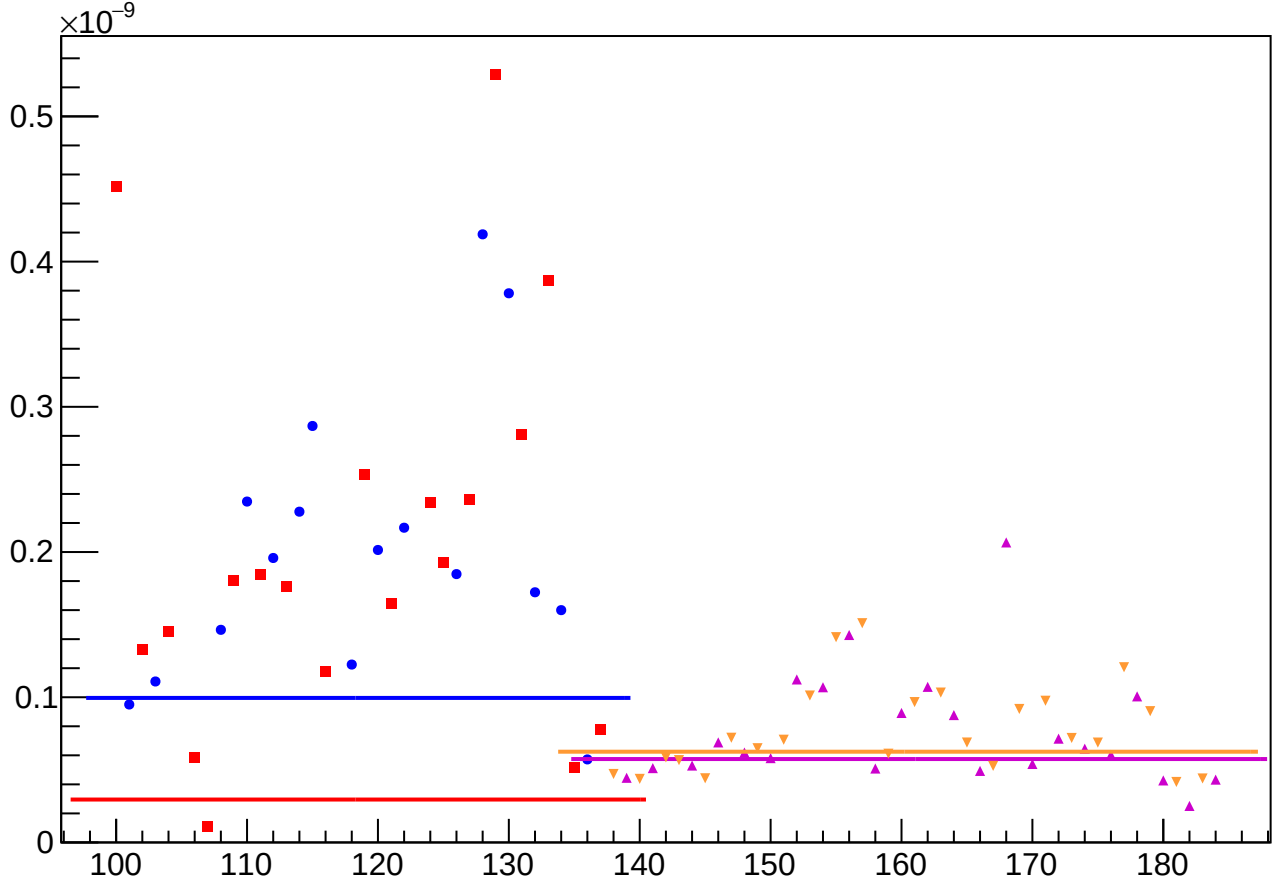
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.2/39

All: -0.000+/-0.000 χ^2/NDF: 88.6/81

- sign -0.000+/-0.000 χ^2/NDF: 41.1/41

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



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

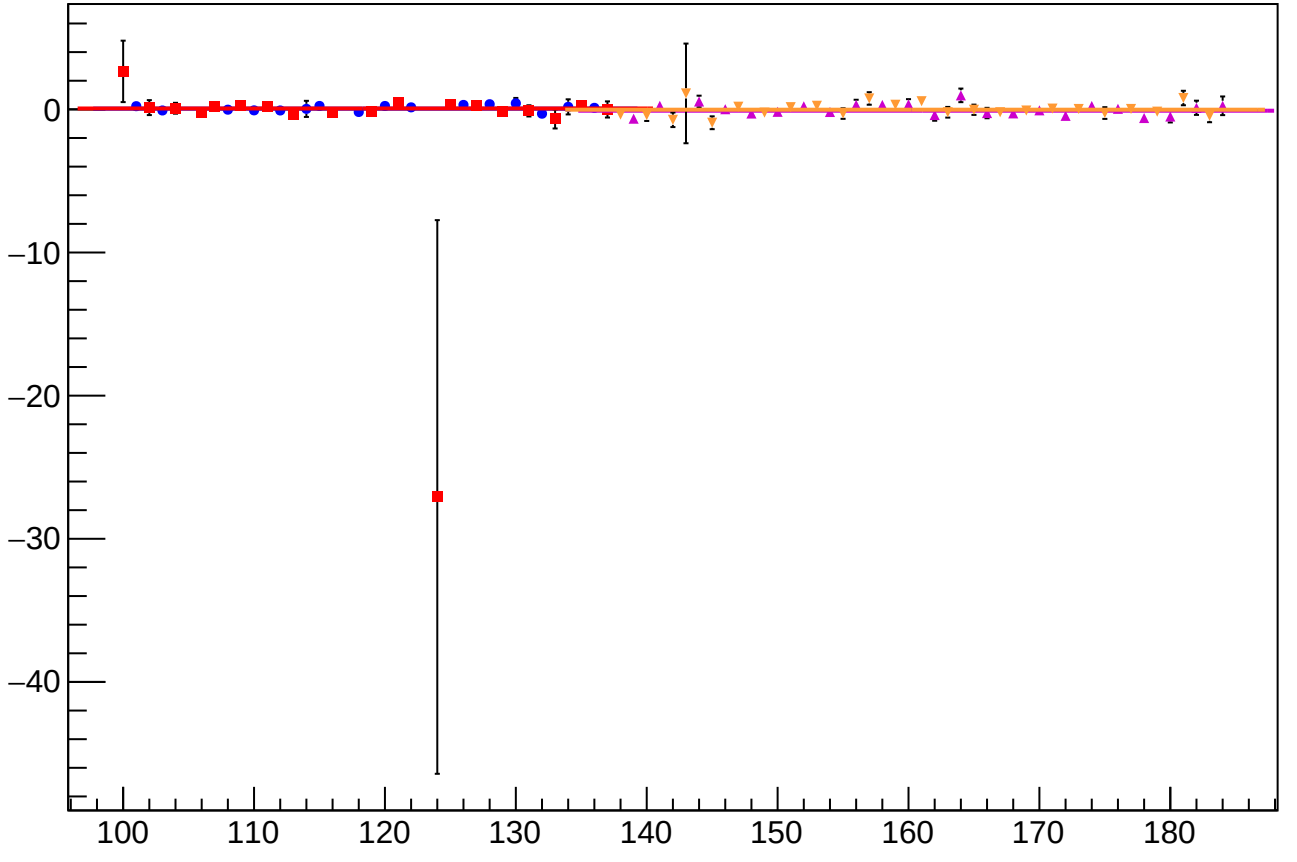
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3548466.9/39

All: 0.000+/-0.000 χ^2/NDF: 11489344.8/81

- sign 0.000+/-0.000 χ^2/NDF: 7152414.1/41

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

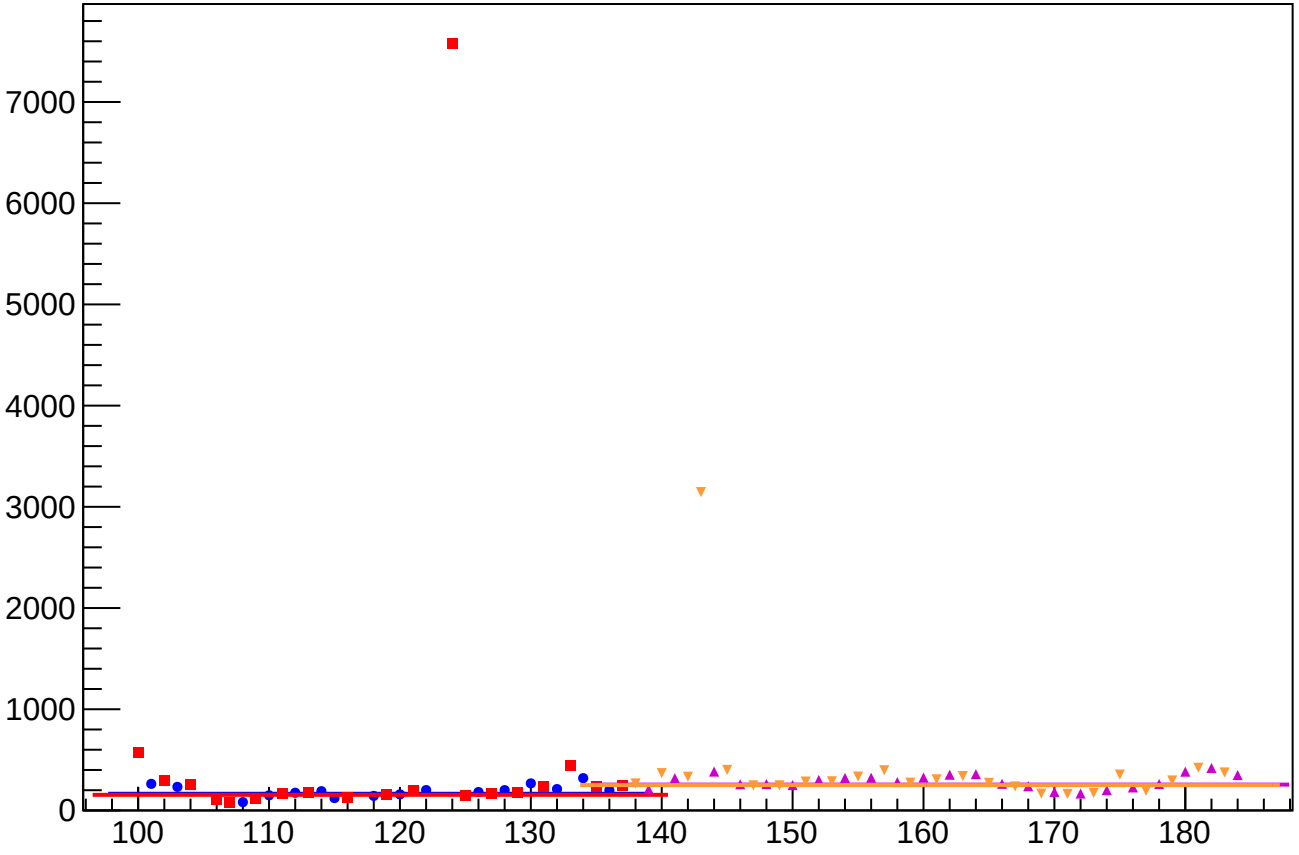
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.010+/-0.045 χ^2/NDF: 31.8/39

All: -0.004+/-0.032 χ^2/NDF: 84.9/81

- sign -0.019+/-0.045 χ^2/NDF: 52.9/41

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

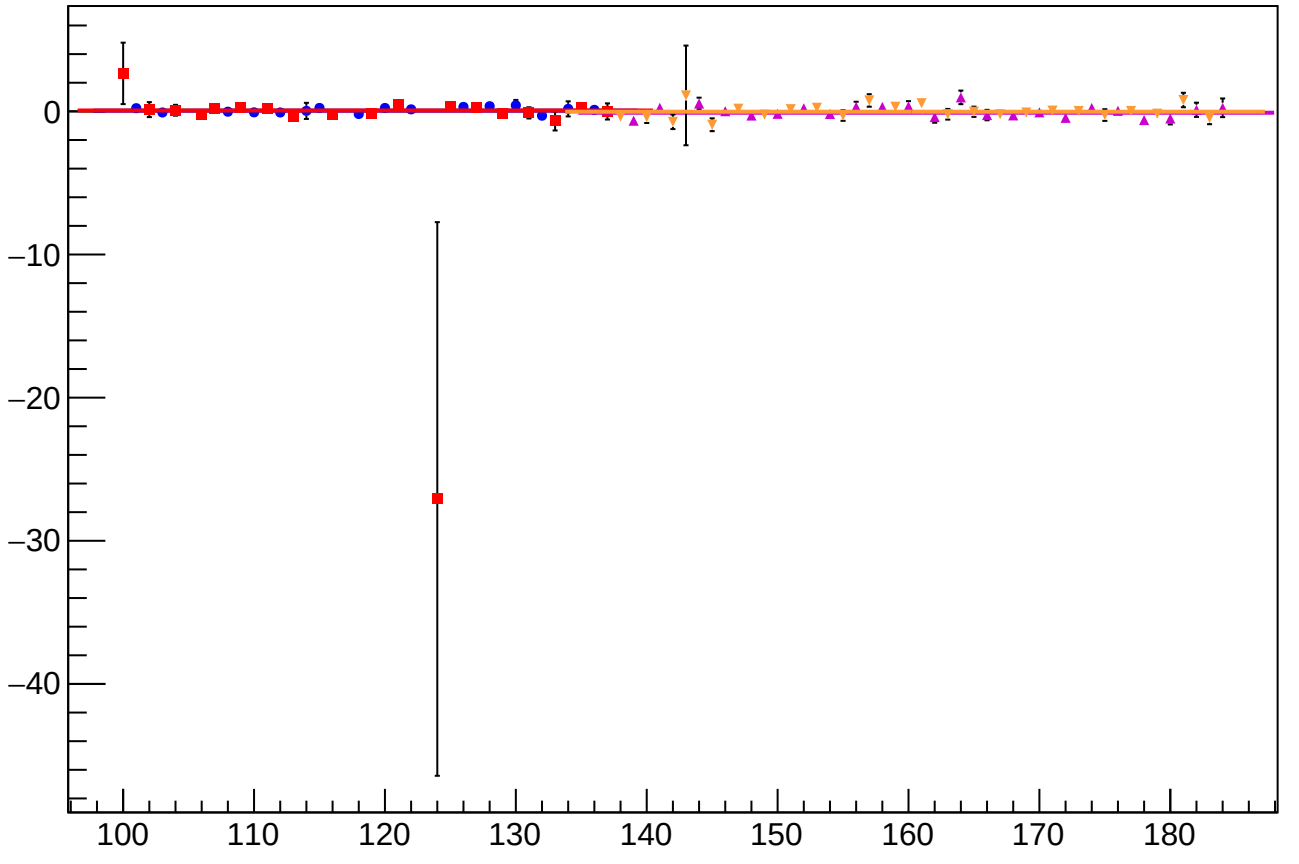
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.420+/-0.032 χ^2/NDF: 7468336.1/39

All: 208.168+/-0.023 χ^2/NDF: 14020062.1/81

- sign 205.954+/-0.032 χ^2/NDF: 6541976.2/41



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

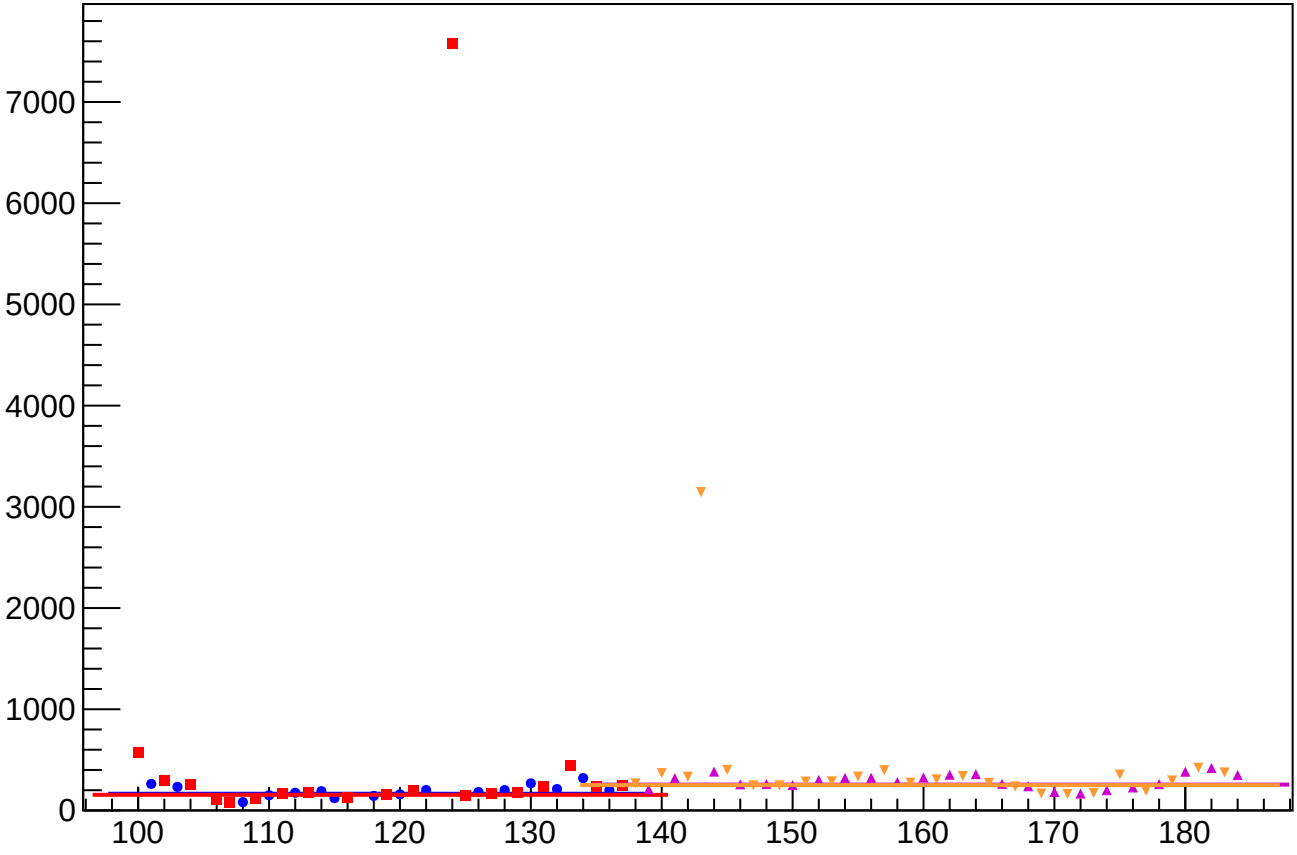
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.010+/-0.045 χ^2/NDF: 31.8/39

All: -0.004+/-0.032 χ^2/NDF: 84.9/81

- sign -0.019+/-0.045 χ^2/NDF: 52.9/41

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

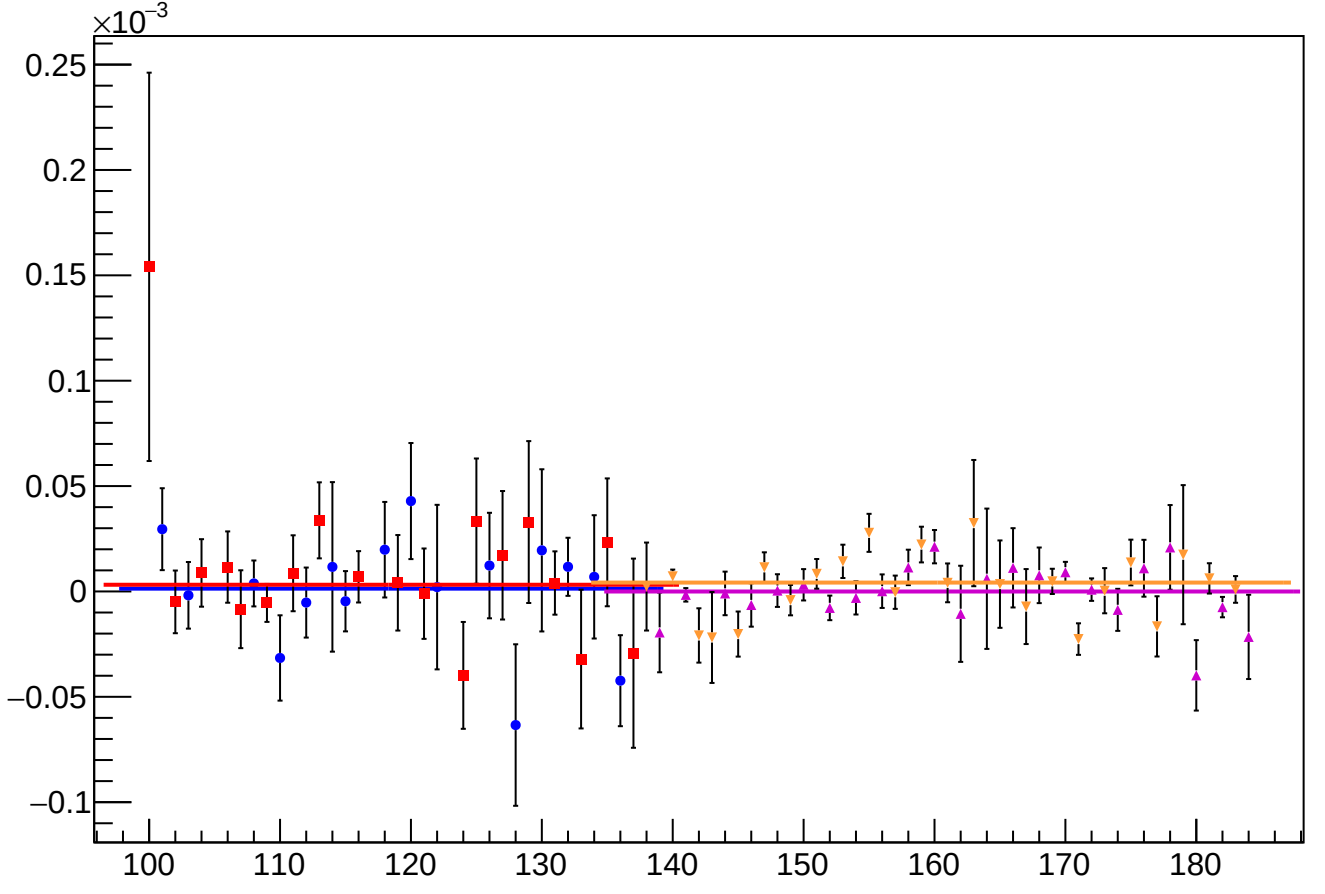
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.420+/-0.032 χ^2/NDF: 7468336.1/39

All: 208.168+/-0.023 χ^2/NDF: 14020062.1/81

- sign 205.954+/-0.032 χ^2/NDF: 6541976.2/41



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

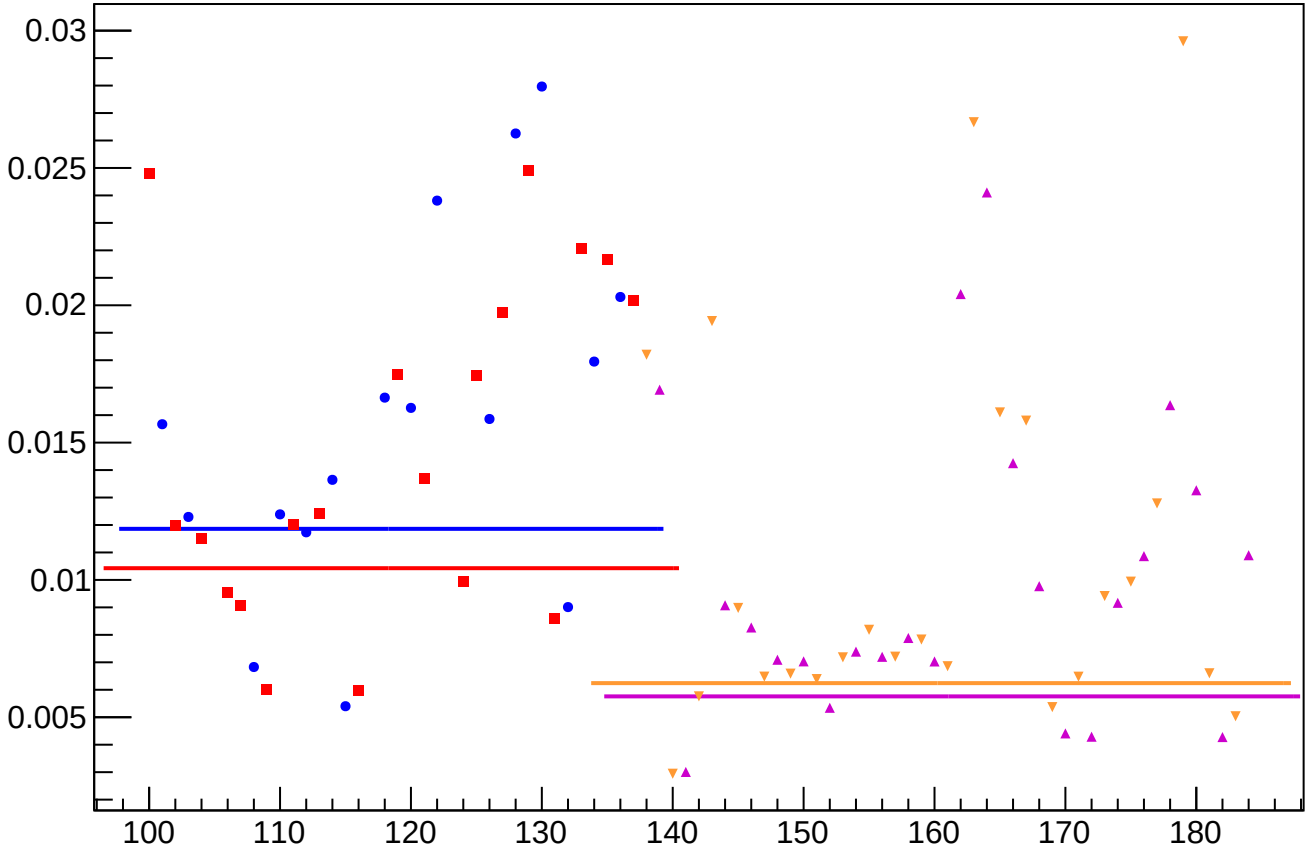
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/39

All: 0.000+/-0.000 χ^2/NDF: 108.3/81

- sign 0.000+/-0.000 χ^2/NDF: 44.1/41

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:7795852.5/23

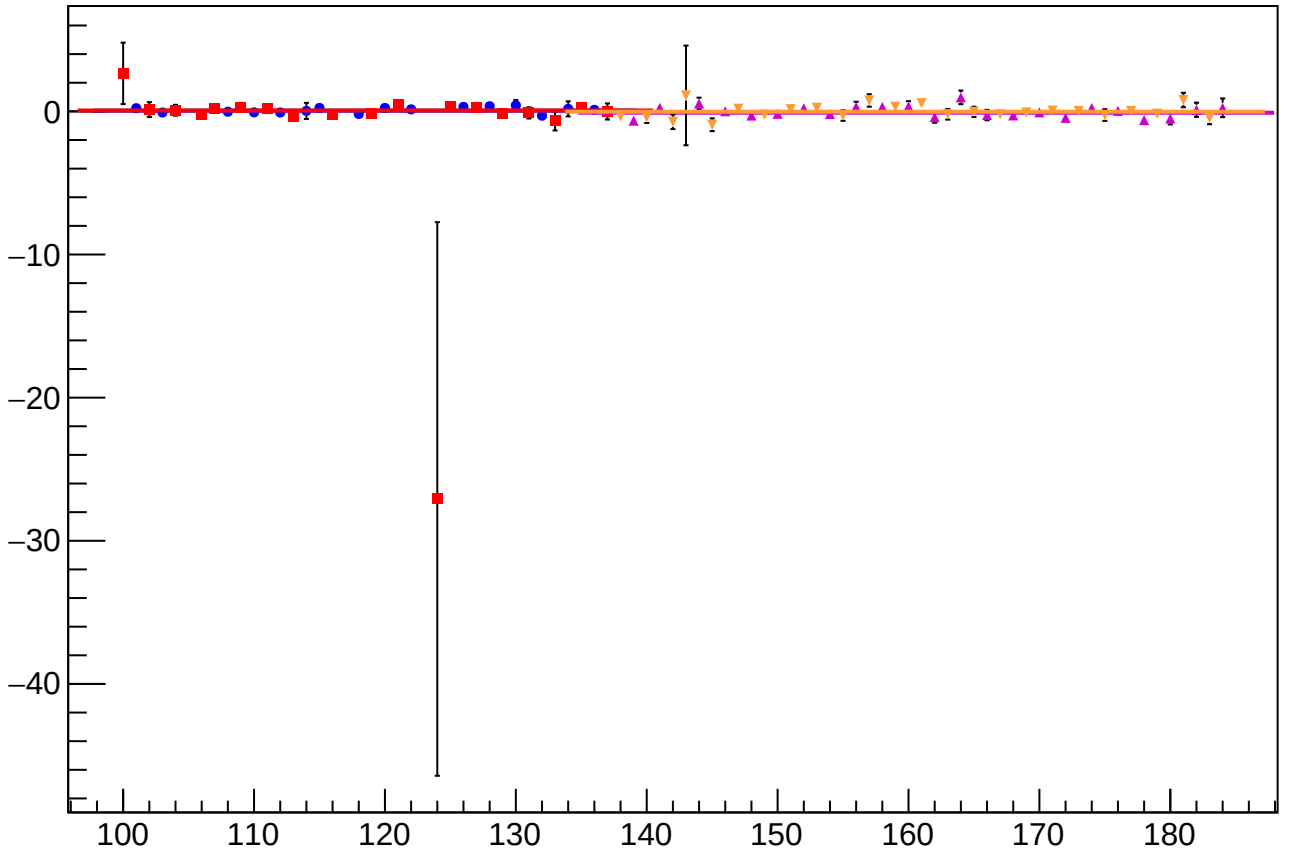
Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 12585440.0/39

All: 0.007+/-0.000 χ^2/NDF: 24256881.9/81

- sign 0.006+/-0.000 χ^2/NDF: 11566703.3/41



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

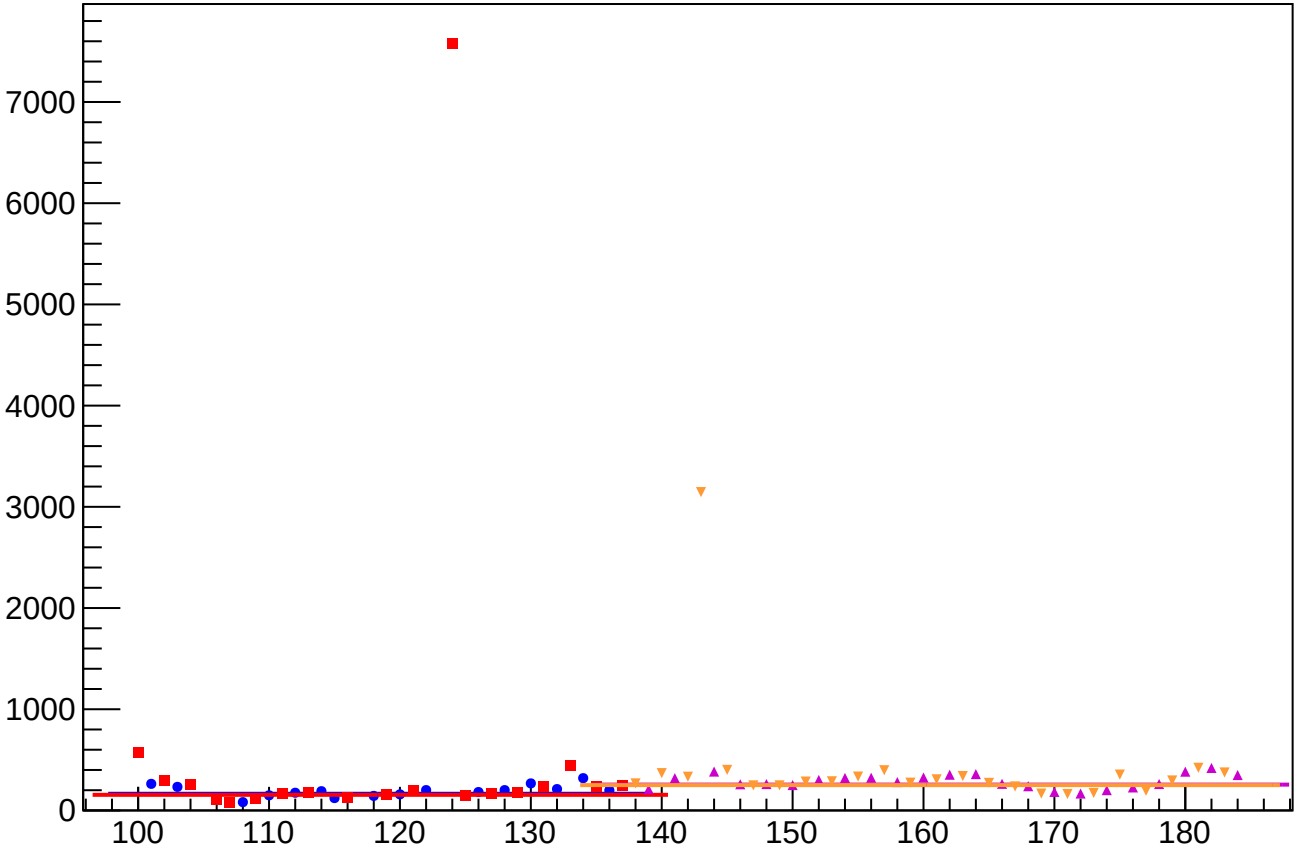
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.010+/-0.045 χ^2/NDF: 31.8/39

All: -0.004+/-0.032 χ^2/NDF: 84.9/81

- sign -0.019+/-0.045 χ^2/NDF: 52.9/41

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

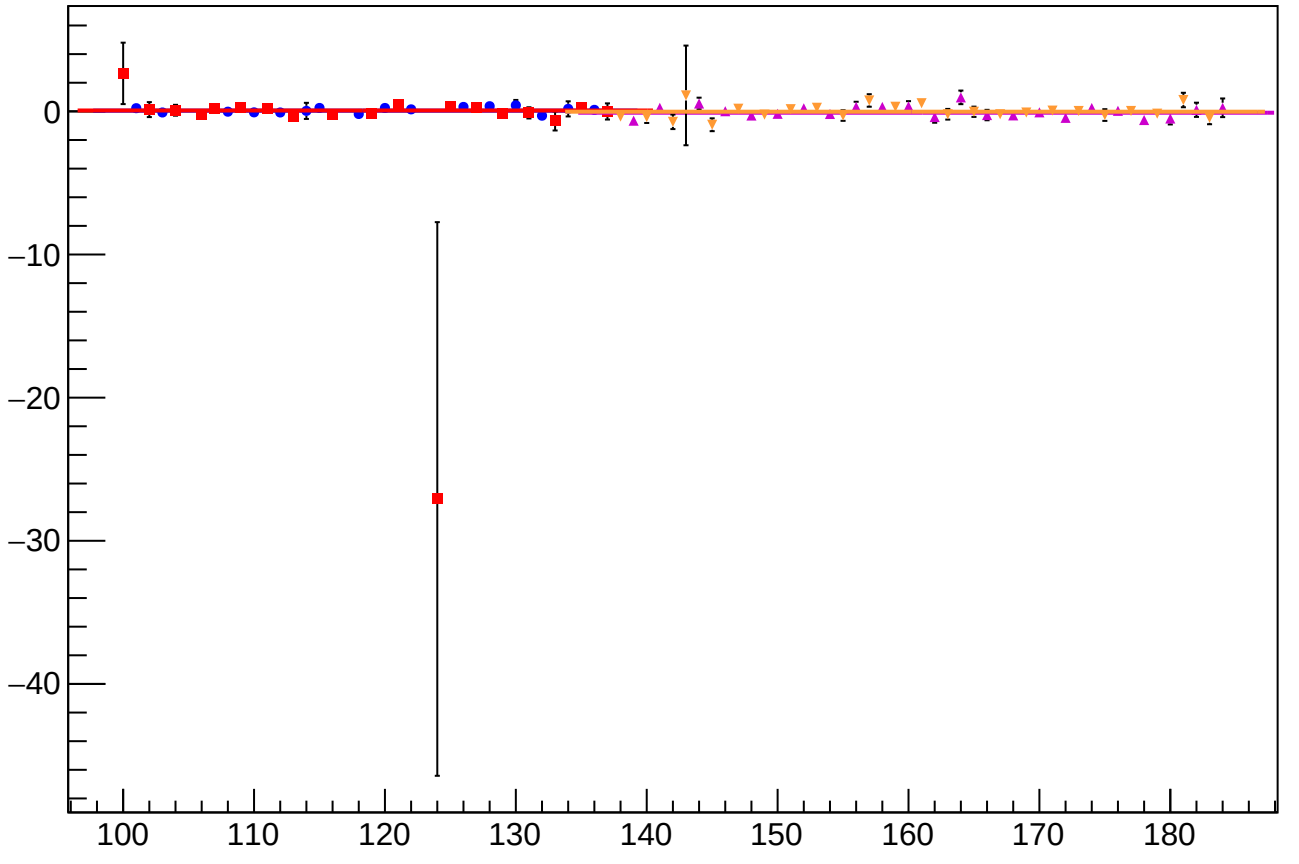
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.420+/-0.032 χ^2/NDF: 7468471.9/39

All: 208.169+/-0.023 χ^2/NDF: 14020363.7/81

- sign 205.955+/-0.032 χ^2/NDF: 6542143.3/41



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.062 χ^2/NDF:23.5/23

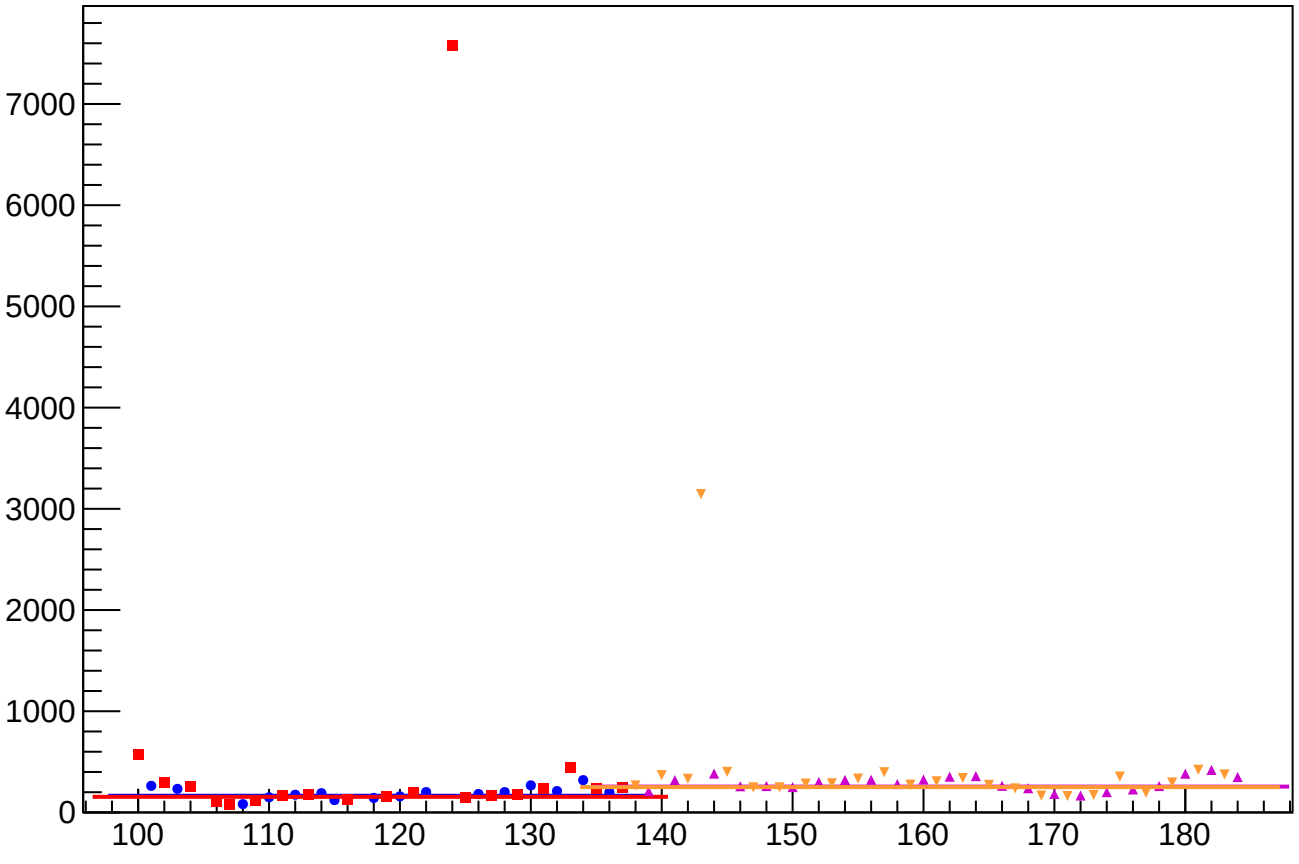
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.010+/-0.045 χ^2/NDF: 31.8/39

All: -0.004+/-0.032 χ^2/NDF: 84.9/81

- sign -0.019+/-0.045 χ^2/NDF: 52.9/41



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 250.450+/-0.044 χ^2/NDF:4225342.0/23

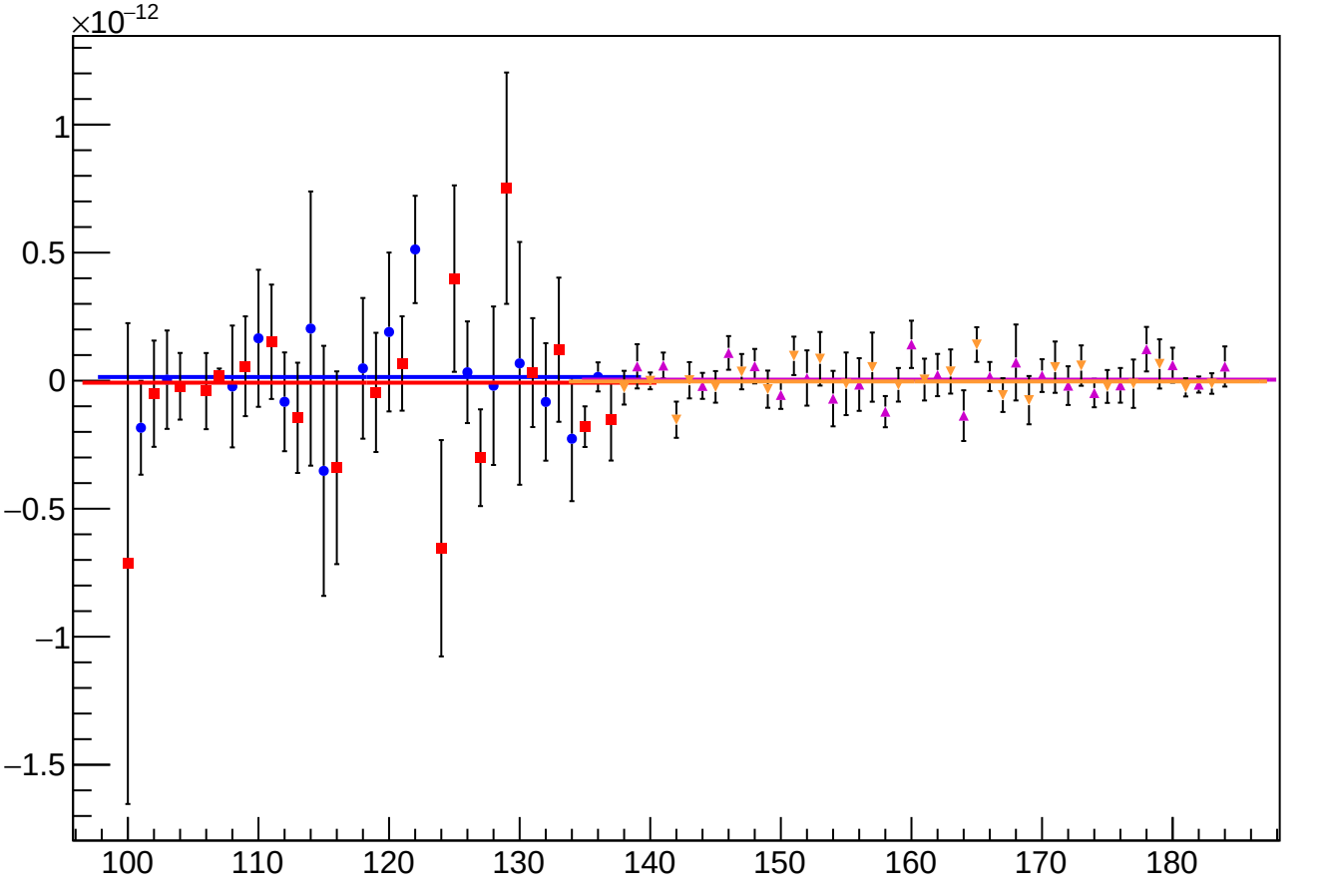
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.420+/-0.032 χ^2/NDF: 7468471.9/39

All: 208.169+/-0.023 χ^2/NDF: 14020363.7/81

- sign 205.955+/-0.032 χ^2/NDF: 6542143.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/23

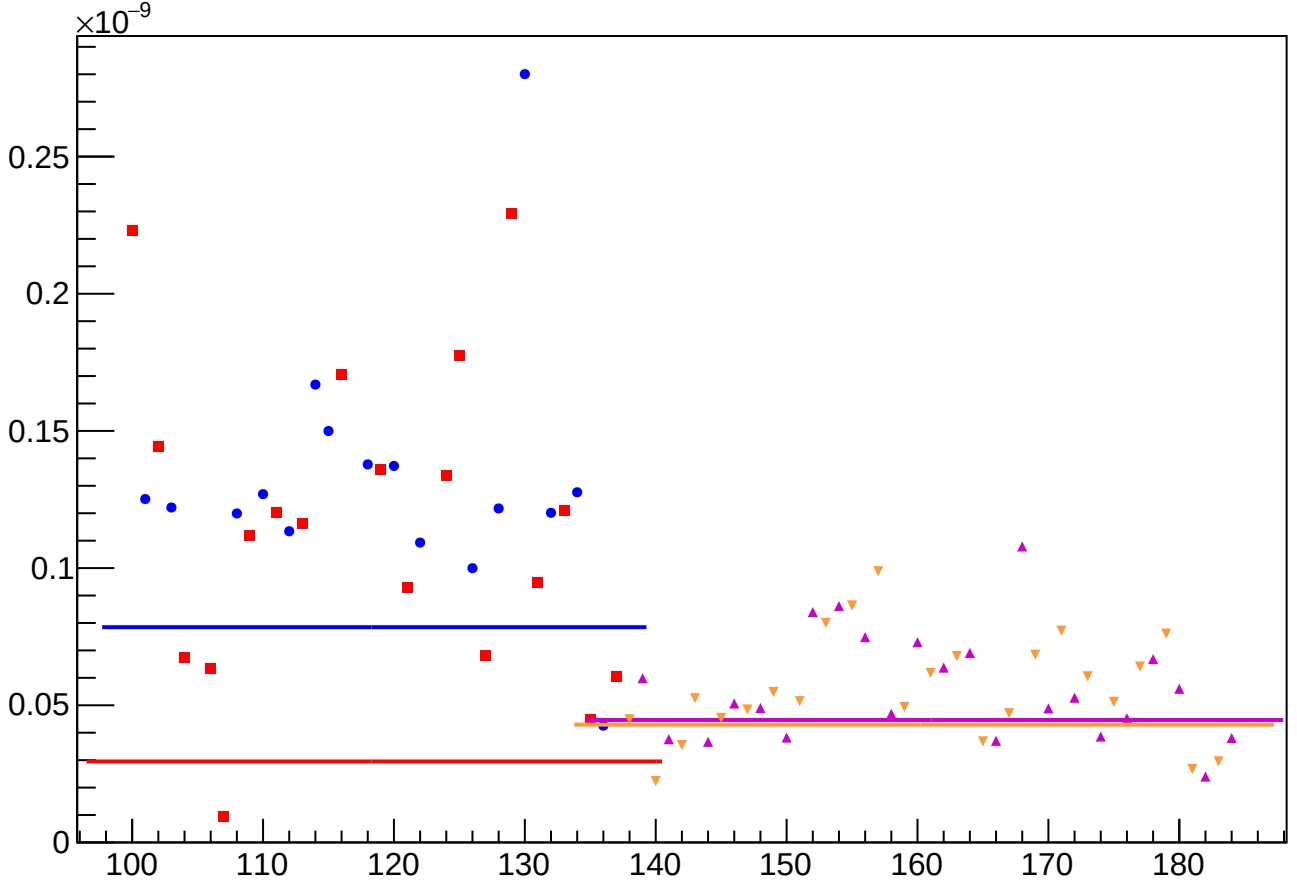
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

\+ sign -0.000+/-0.000 χ^2/NDF: 25.7/39

All: -0.000+/-0.000 χ^2/NDF: 64.1/81

\- sign 0.000+/-0.000 χ^2/NDF: 38.4/41



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

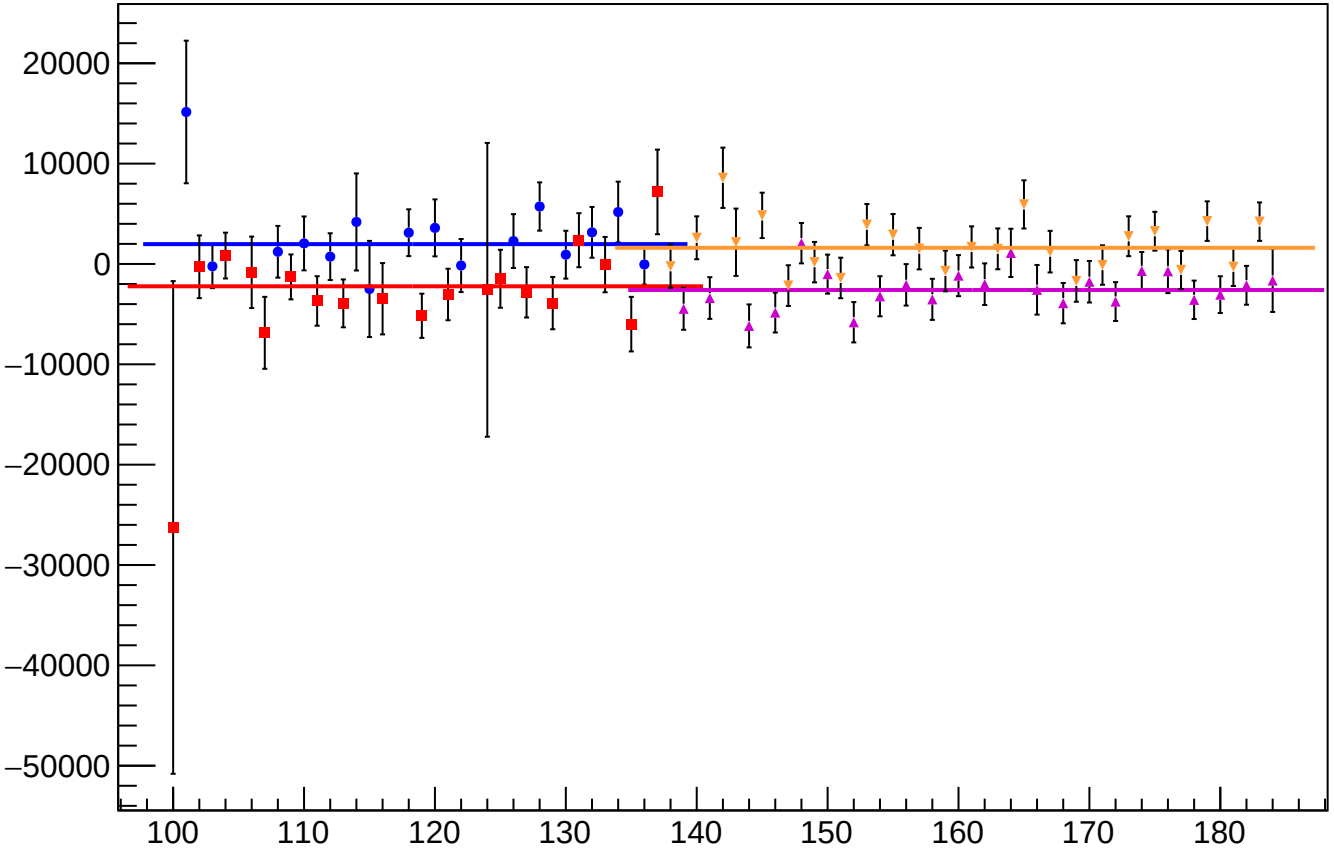
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6980865.8/39

All: 0.000+/-0.000 χ^2/NDF: 16175704.8/81

- sign 0.000+/-0.000 χ^2/NDF: 9002809.2/41

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

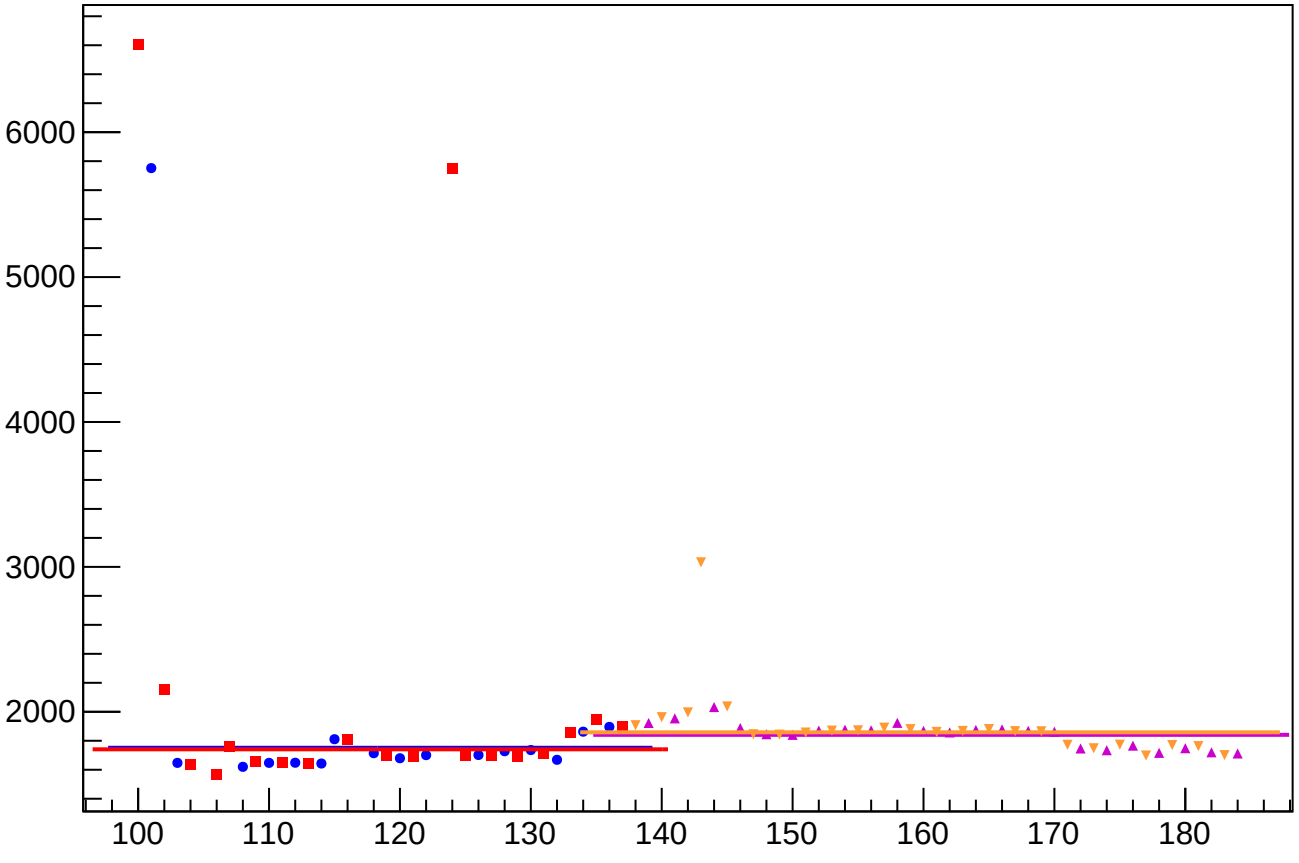
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1716.571+/-359.616 χ^2/NDF: 43.5/39

All: -383.395+/-254.368 χ^2/NDF: 151.0/81

- sign -2486.032+/-359.845 χ^2/NDF: 39.3/41

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

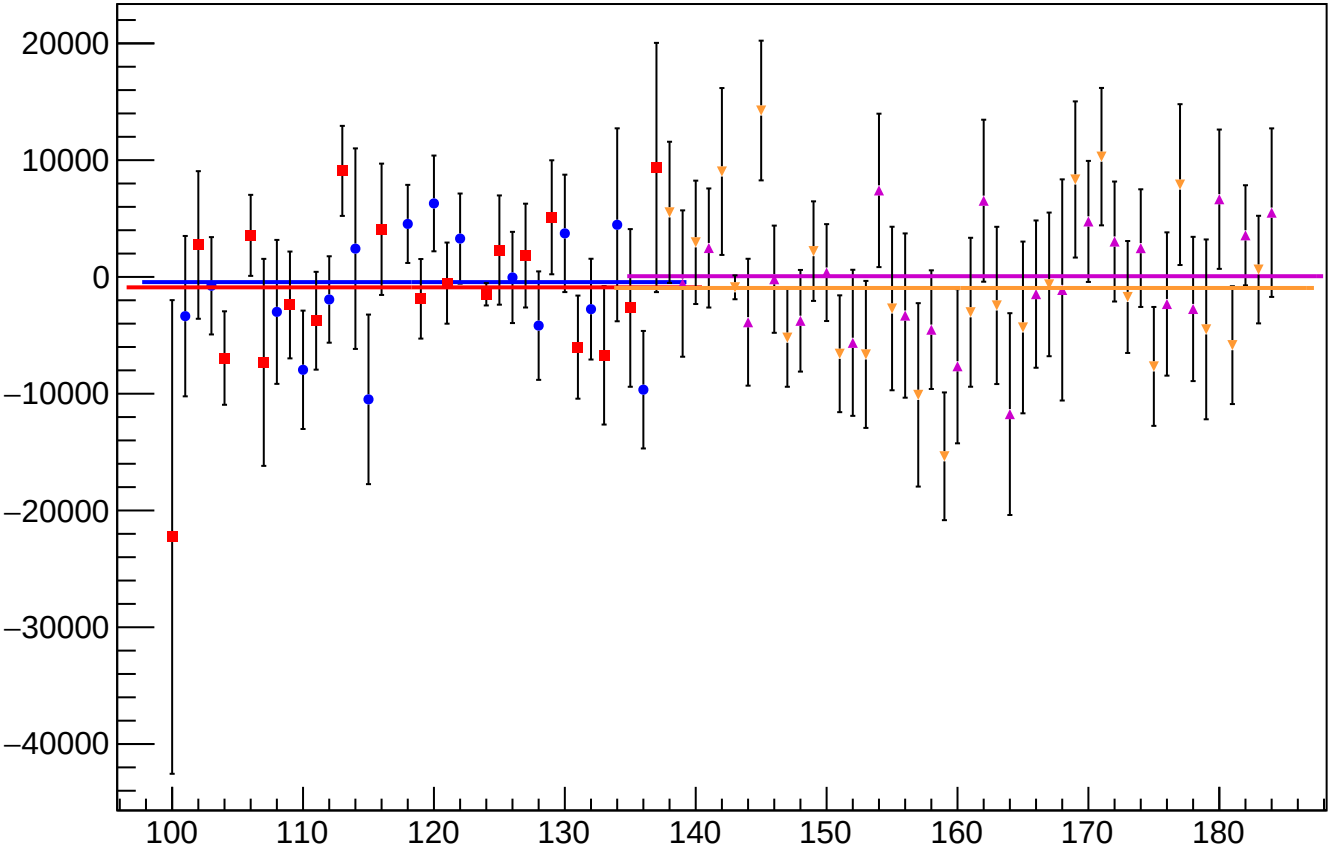
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1827.424+/-0.254 χ^2/NDF: 1025825.6/39

All: 1819.012+/-0.180 χ^2/NDF: 1436415.9/81

- sign 1810.628+/-0.254 χ^2/NDF: 408405.4/41

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

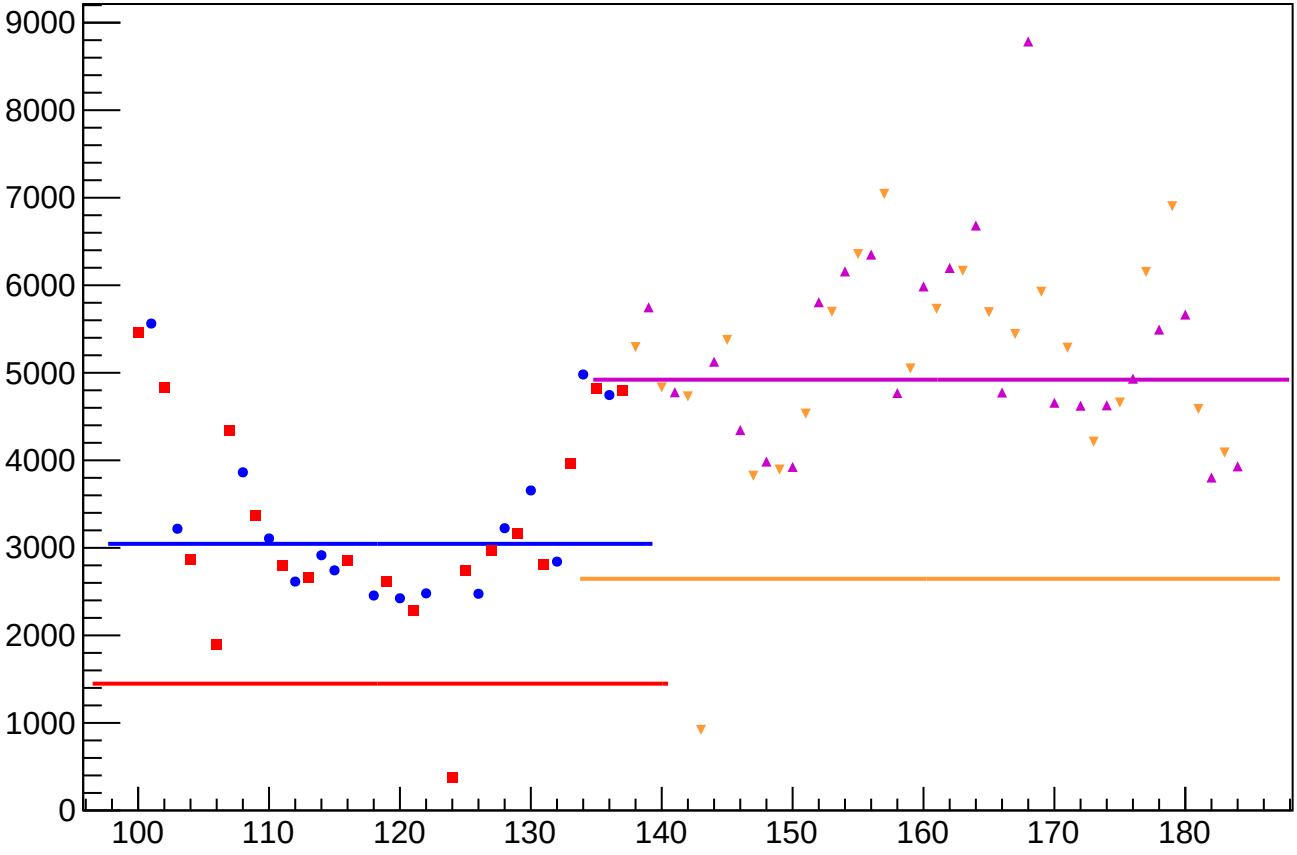
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -793.368+/-647.067 χ^2/NDF: 48.8/39

All: -706.845+/-446.622 χ^2/NDF: 82.4/81

- sign -628.118+/-617.227 χ^2/NDF: 33.6/41

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

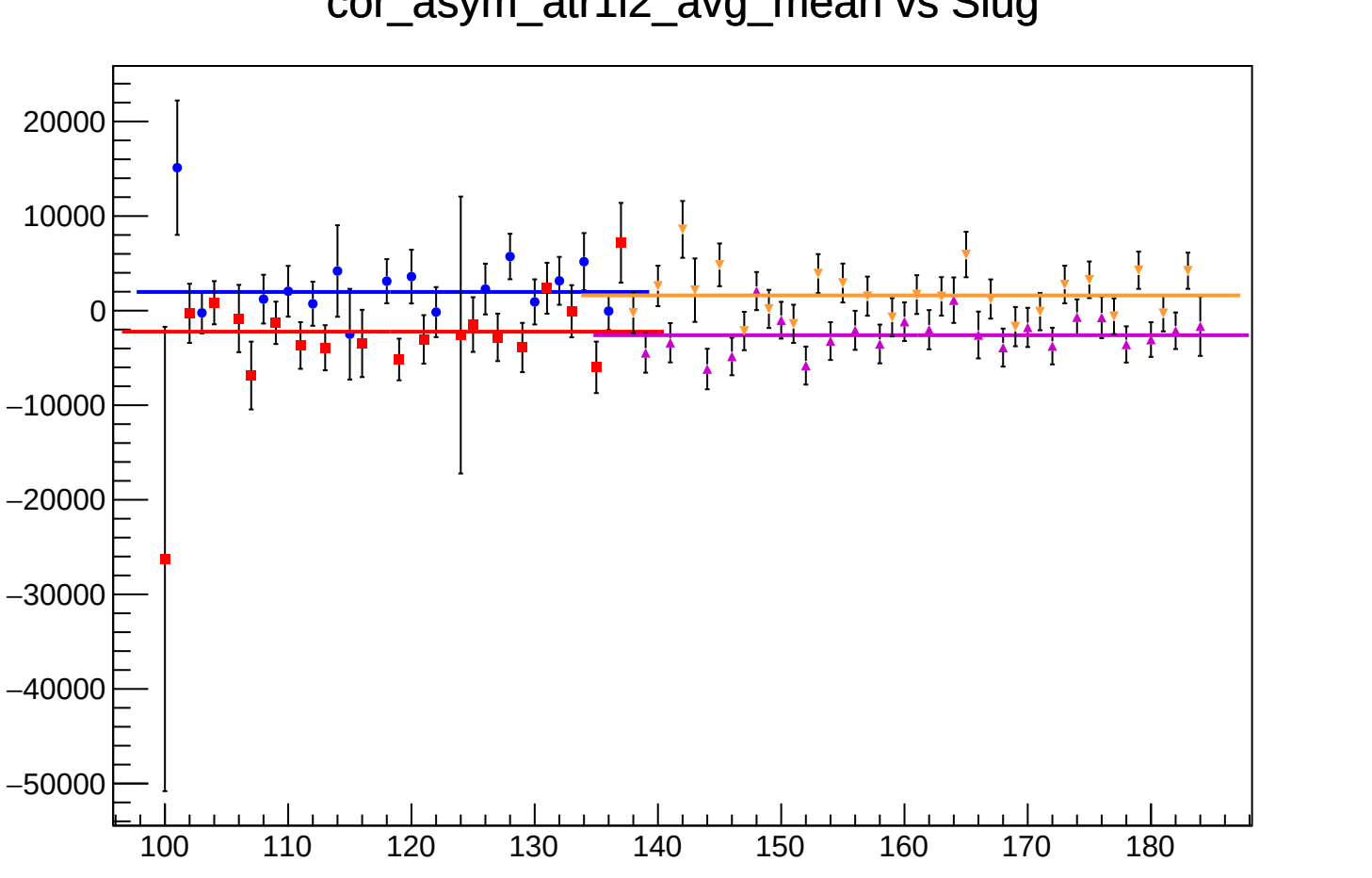
Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2767.859+/-0.458 χ^2/NDF: 15539532.7/39

All: 2580.158+/-0.316 χ^2/NDF: 36569883.4/8

- sign 2409.369+/-0.436 χ^2/NDF: 20708927.4/41



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

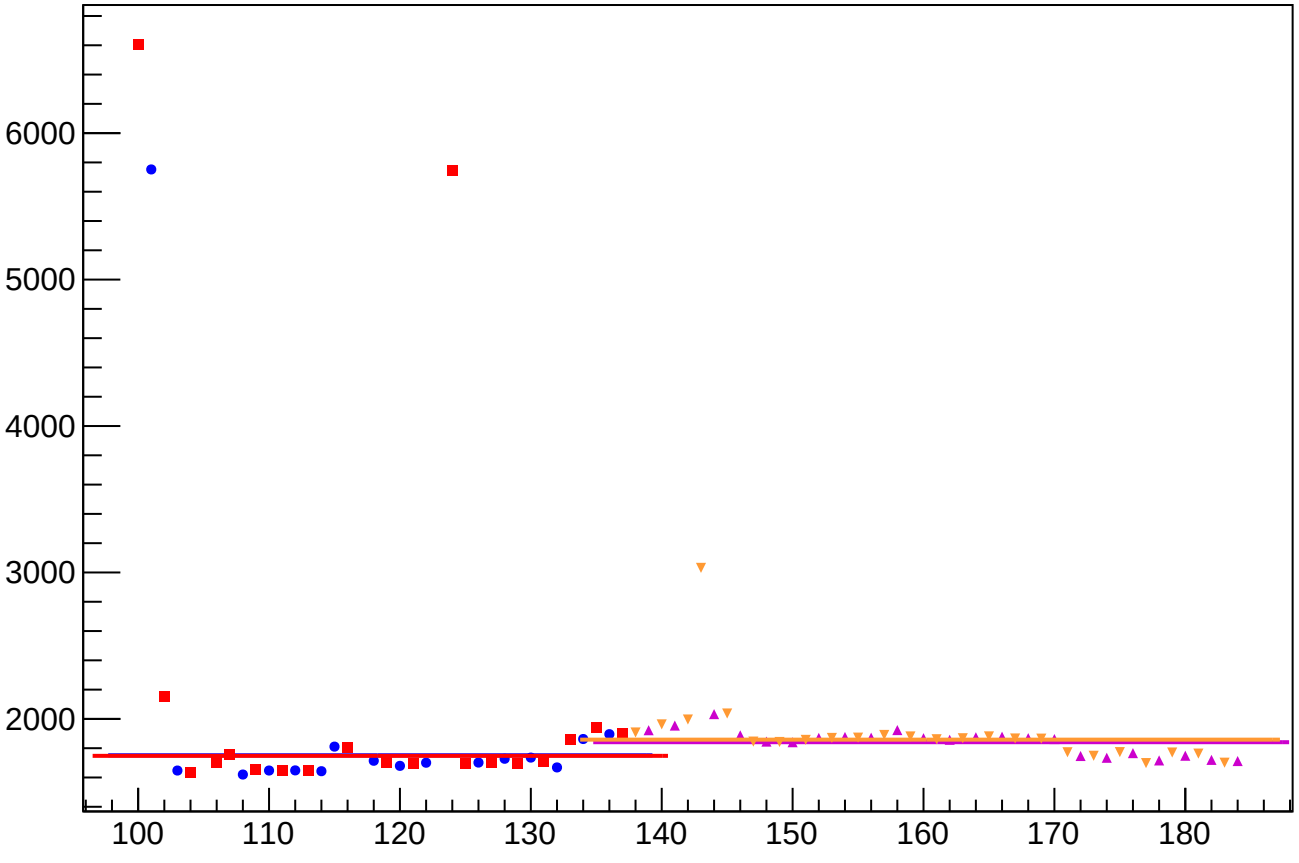
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1716.451+/-359.616 χ^2/NDF: 43.5/39

All: -383.494+/-254.368 χ^2/NDF: 151.0/81

- sign -2486.111+/-359.845 χ^2/NDF: 39.3/41

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

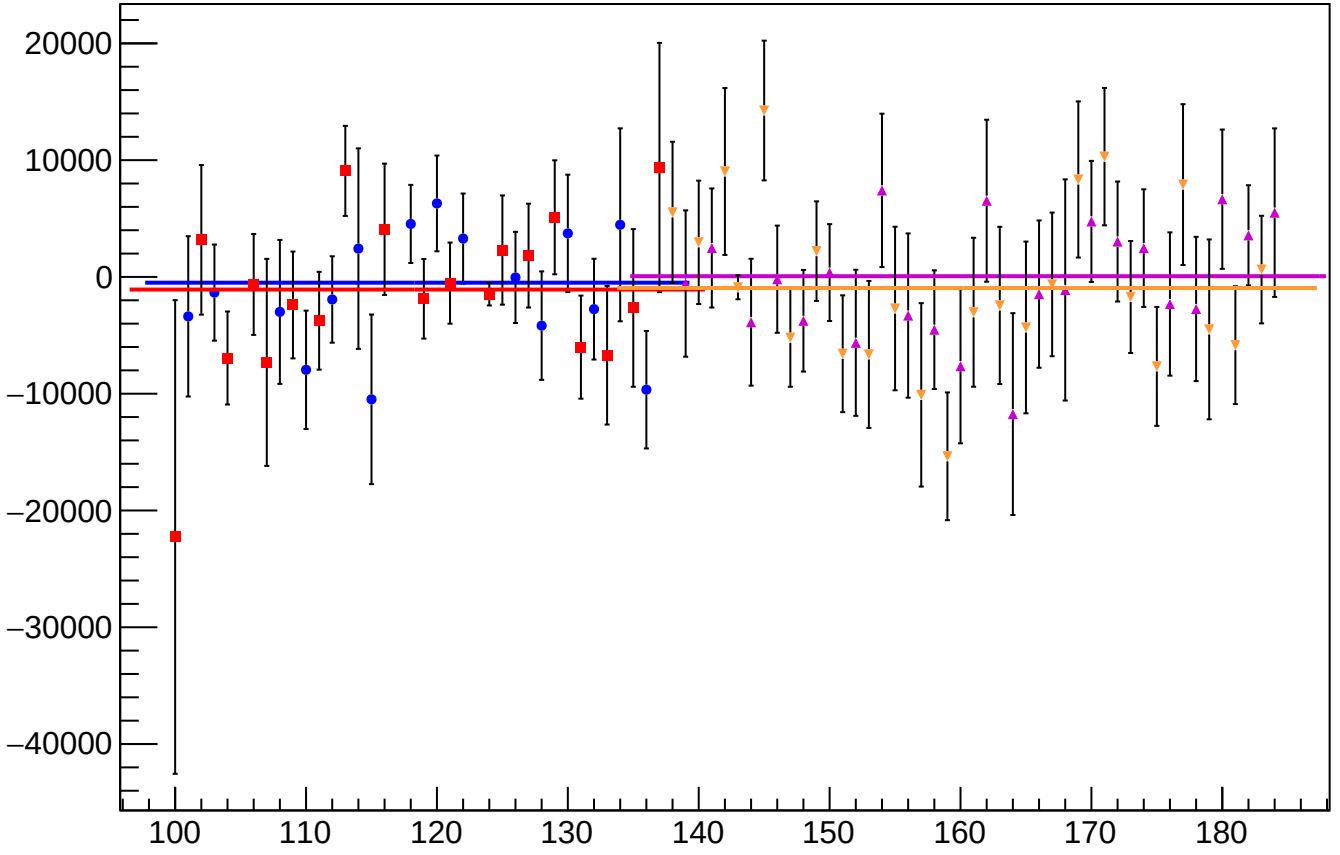
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1827.424+/-0.254 χ^2/NDF: 1025826.1/39

All: 1820.116+/-0.180 χ^2/NDF: 1424733.7/81

- sign 1812.816+/-0.254 χ^2/NDF: 397256.9/41

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

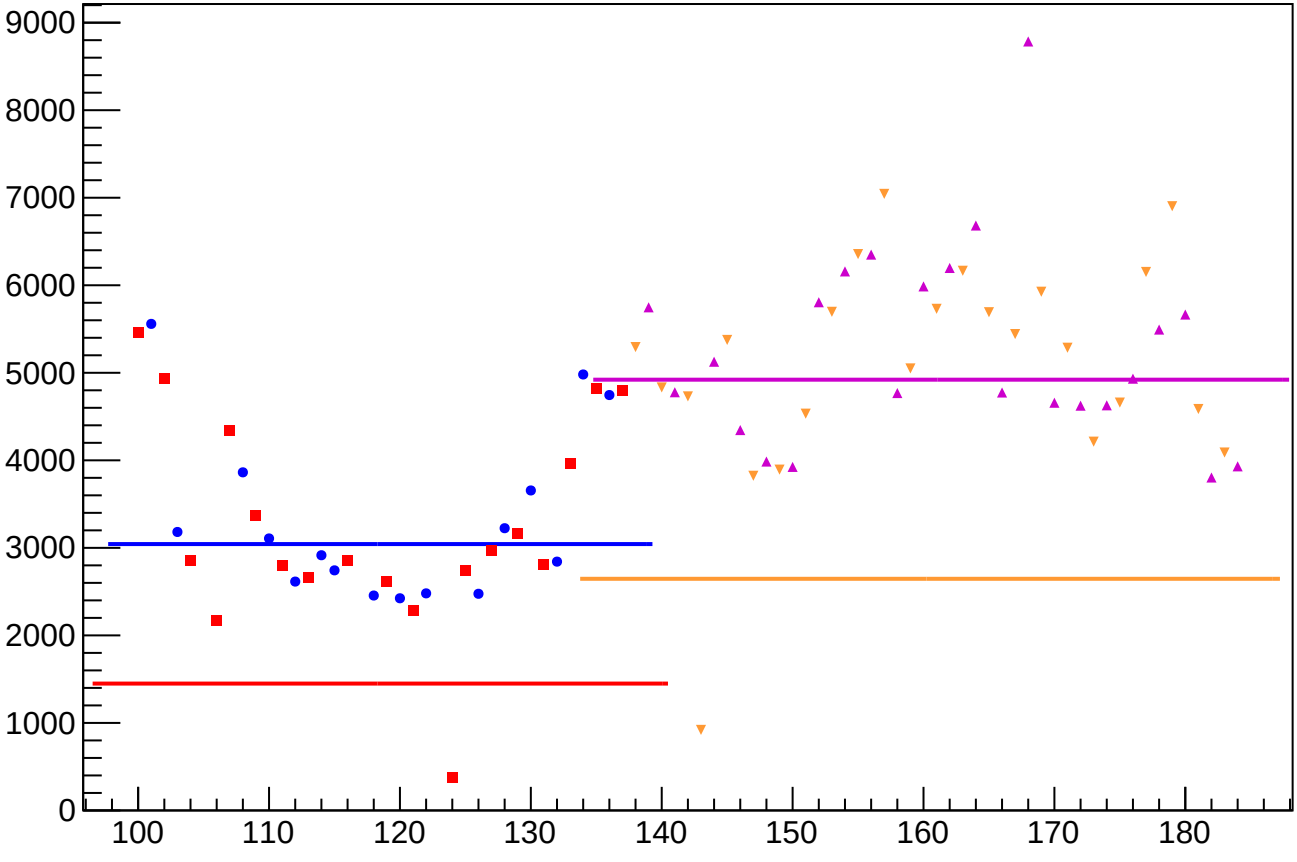
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -807.833+/-646.854 χ^2/NDF: 48.8/39

All: -783.460+/-447.875 χ^2/NDF: 81.0/81

- sign -761.016+/-620.735 χ^2/NDF: 32.2/41

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

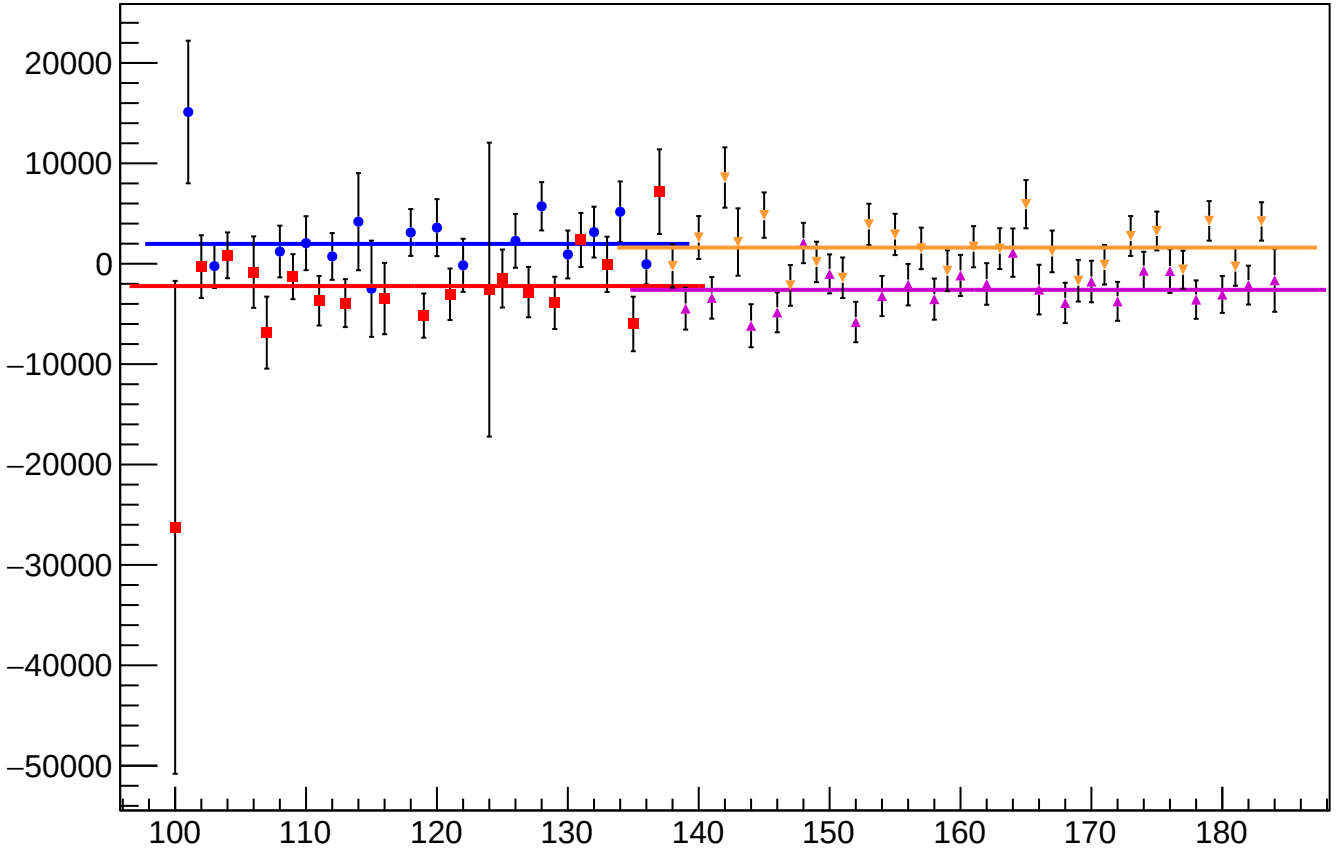
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2767.153+/-0.457 χ^2/NDF: 15536719.0/39

All: 2586.967+/-0.317 χ^2/NDF: 36520039.1/8

- sign 2421.039+/-0.439 χ^2/NDF: 20685224.1/41

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

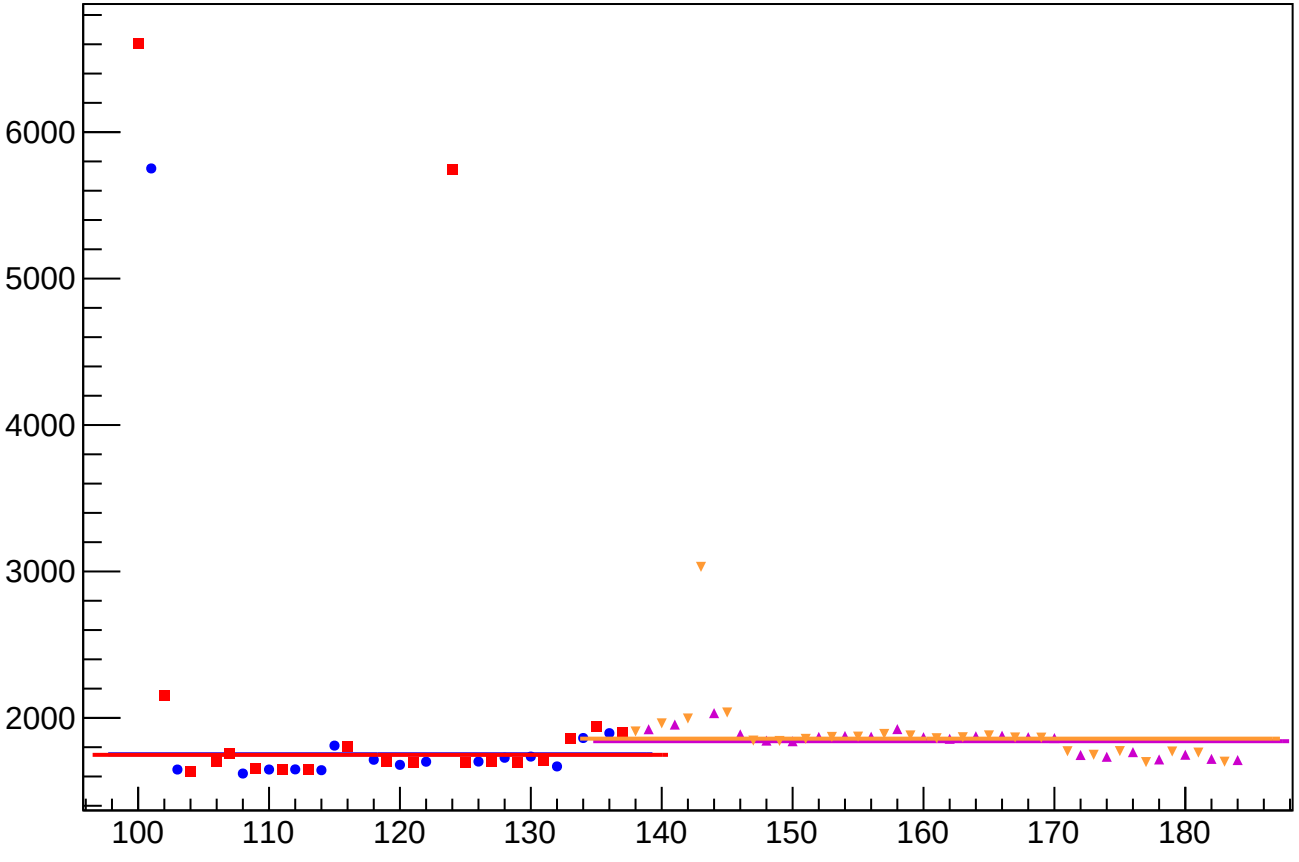
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1716.451+/-359.616 χ^2/NDF: 43.5/39

All: -383.494+/-254.368 χ^2/NDF: 151.0/81

- sign -2486.111+/-359.845 χ^2/NDF: 39.3/41

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

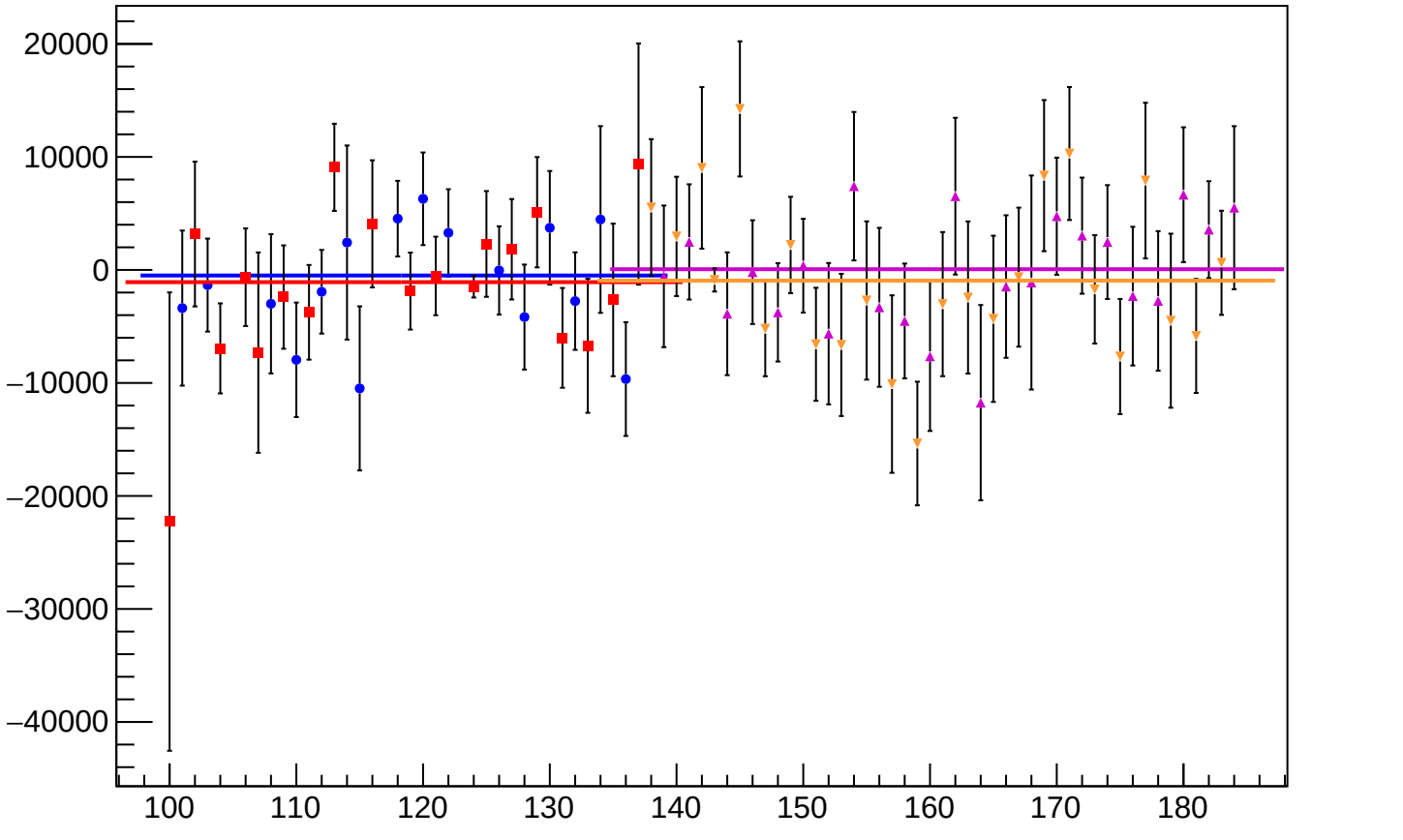
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1827.424+/-0.254 χ^2/NDF: 1025826.1/39

All: 1820.116+/-0.180 χ^2/NDF: 1424733.7/81

- sign 1812.816+/-0.254 χ^2/NDF: 397256.9/41



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -945.367+/-775.344 χ^2/NDF:32.8/23

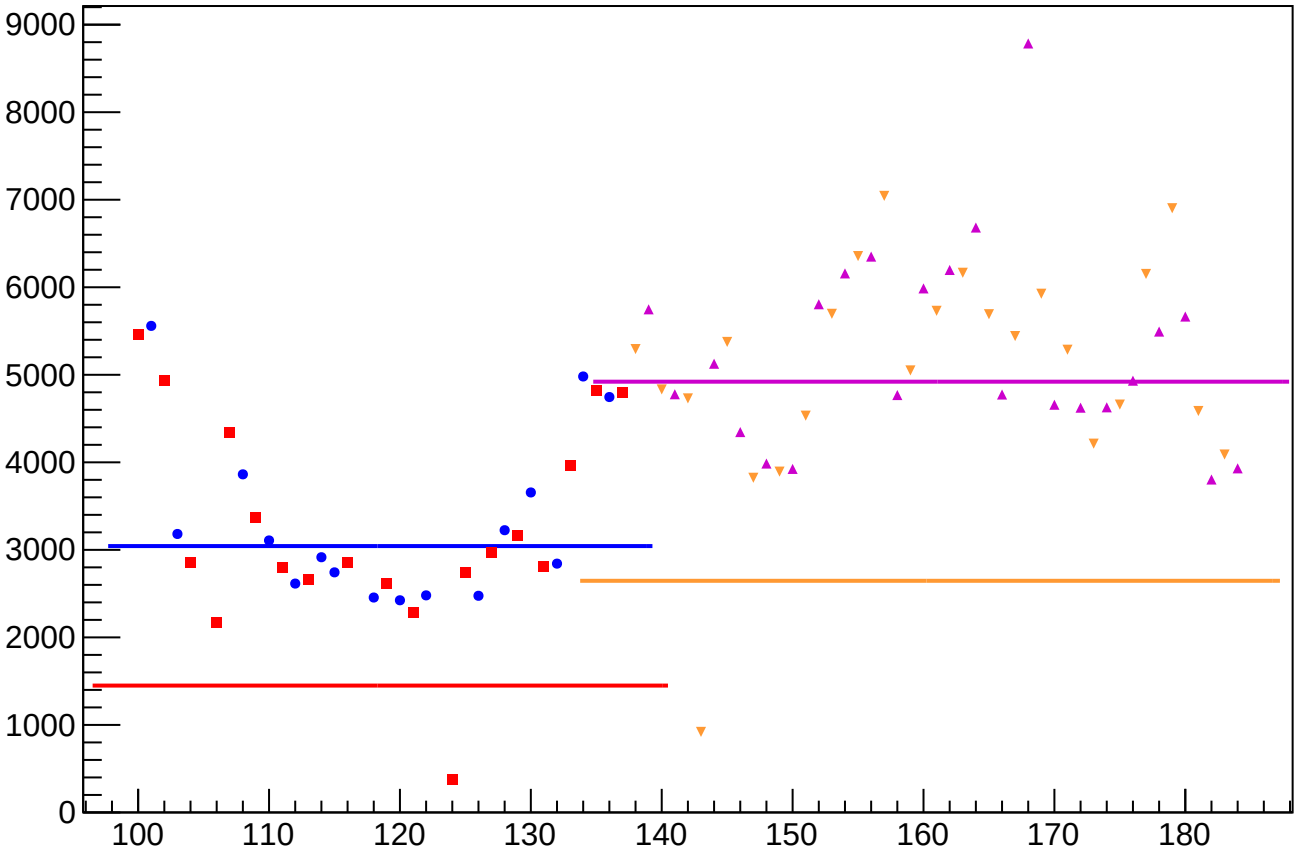
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -807.833+/-646.854 χ^2/NDF: 48.8/39

All: -783.460+/-447.875 χ^2/NDF: 81.0/81

- sign -761.016+/-620.735 χ^2/NDF: 32.2/41



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

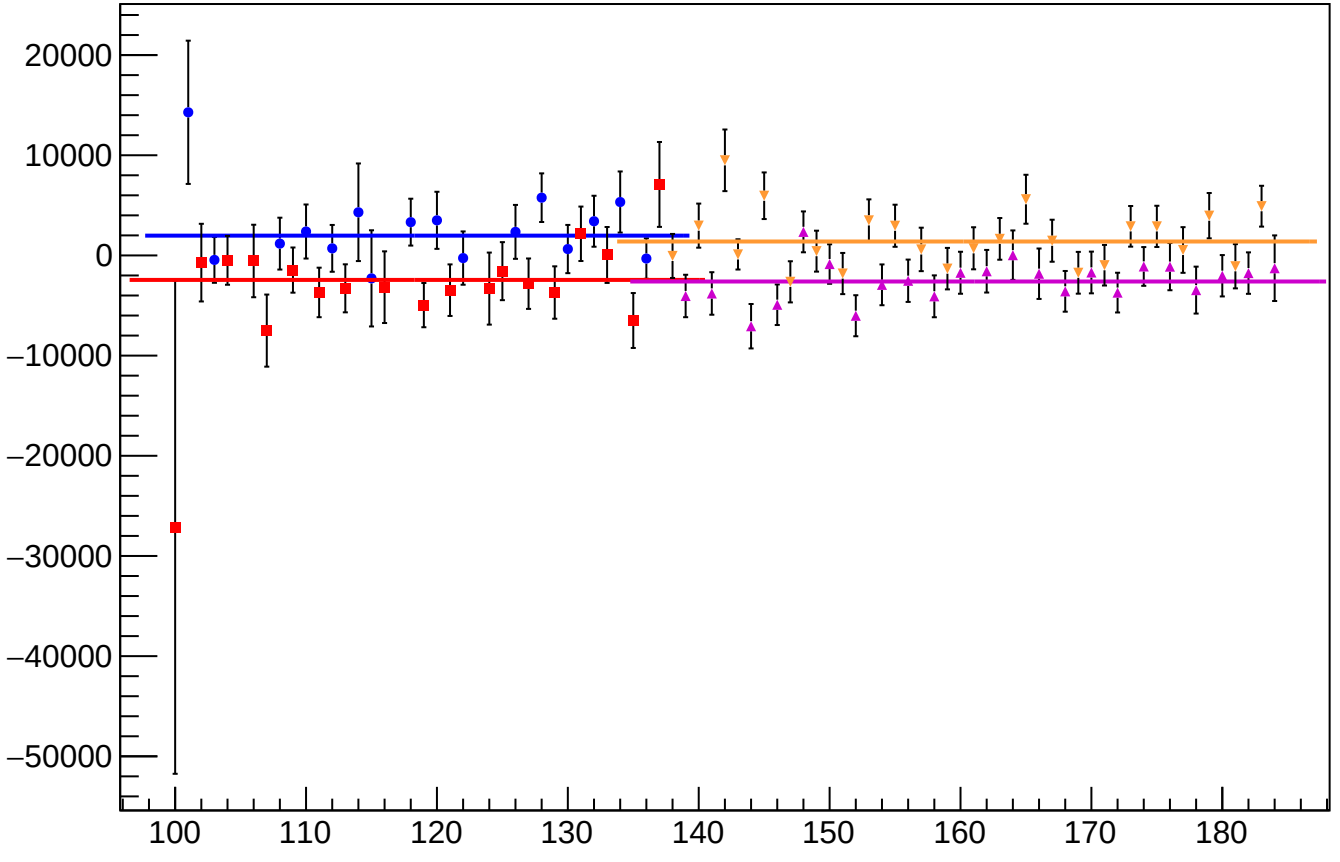
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2767.153+/-0.457 χ^2/NDF: 15536719.0/39

All: 2586.967+/-0.317 χ^2/NDF: 36520039.1/8

- sign 2421.039+/-0.439 χ^2/NDF: 20685224.1/41

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

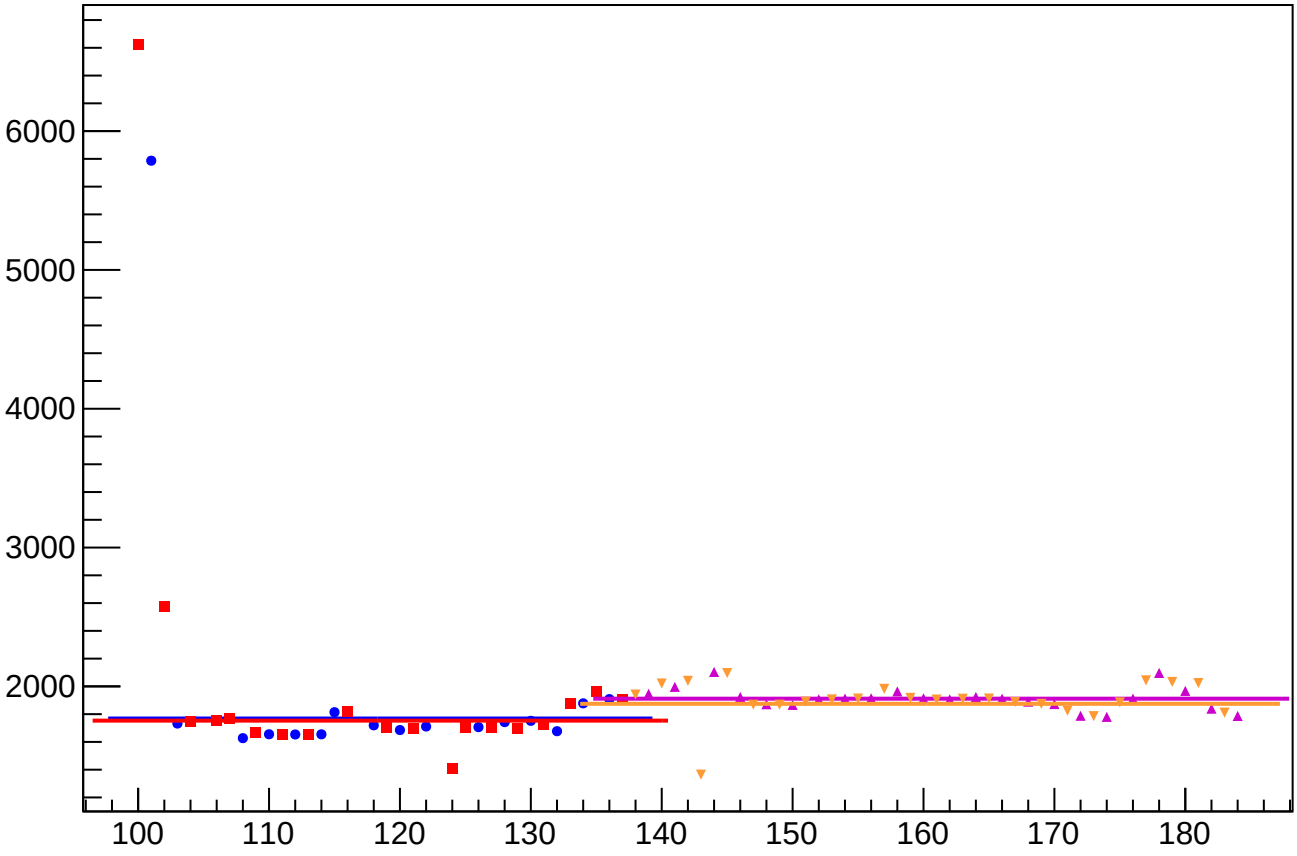
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1560.202+/-362.846 χ^2/NDF: 48.8/39

All: -458.638+/-258.908 χ^2/NDF: 149.4/81

- sign -2552.750+/-369.548 χ^2/NDF: 37.6/41

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:308482.9/23

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

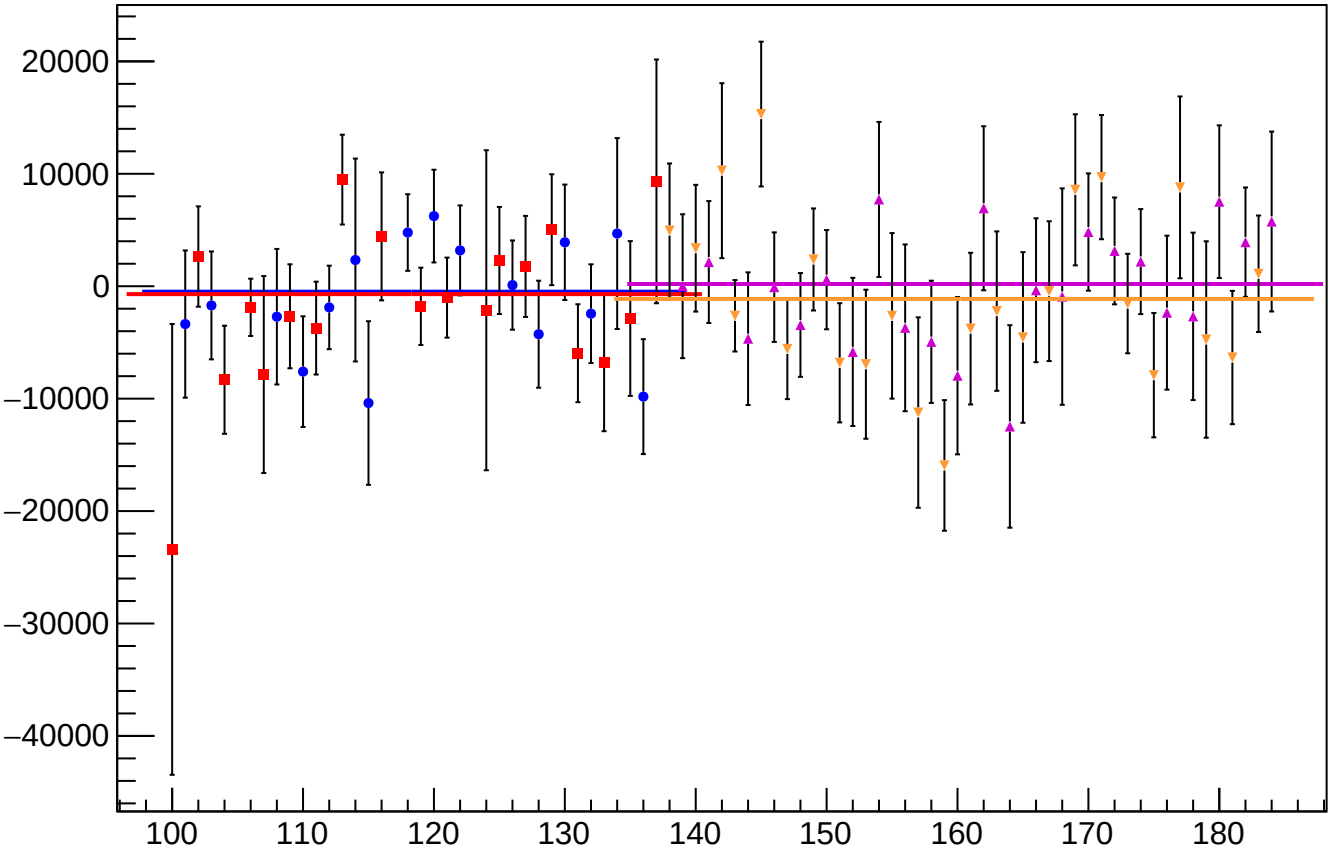
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1843.774+/-0.257 χ^2/NDF: 1010982.4/39

All: 1852.406+/-0.183 χ^2/NDF: 1370603.6/81

- sign 1861.344+/-0.261 χ^2/NDF: 357317.3/41

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

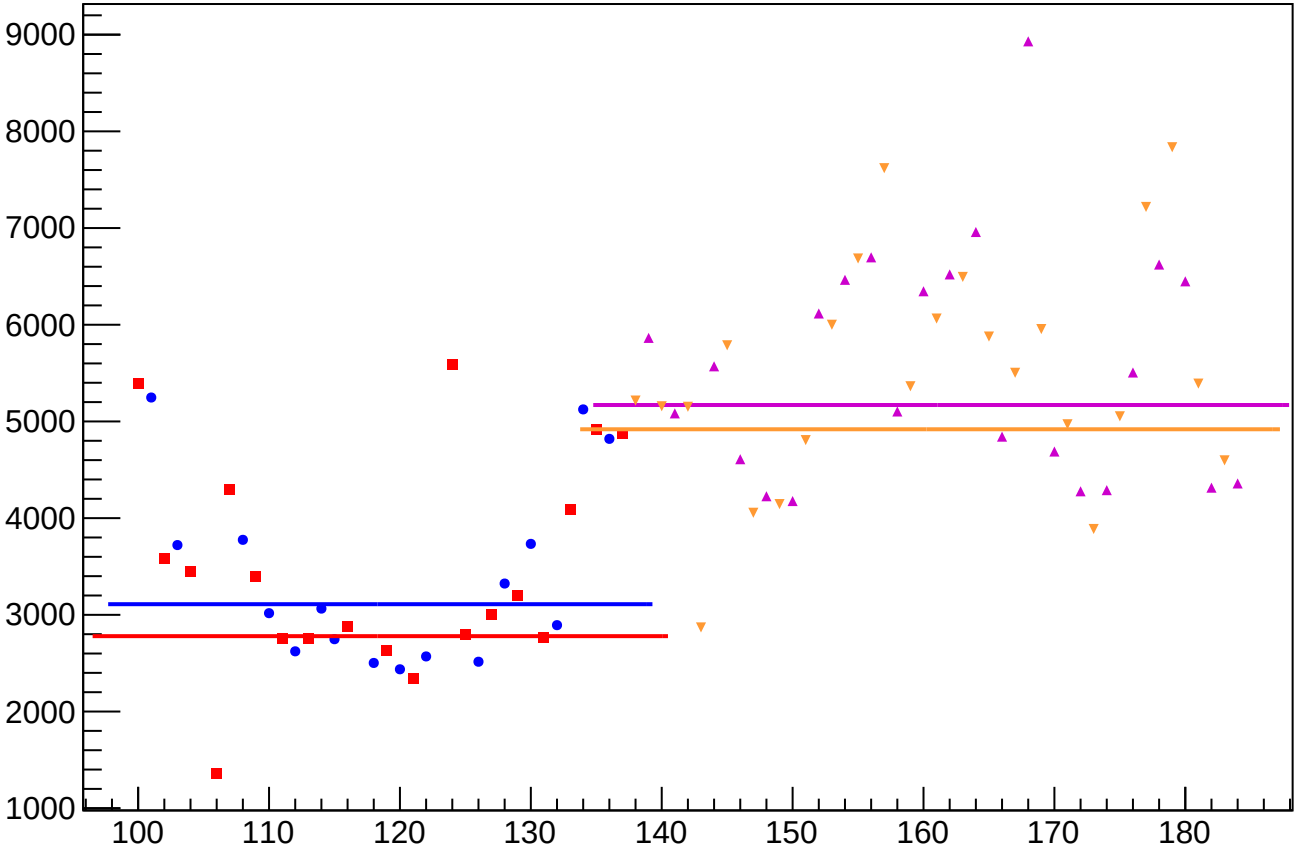
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

\+ sign -818.512+/-835.510 χ^2/NDF: 48.4/39

All: -559.660+/-580.949 χ^2/NDF: 80.5/81

\- sign -317.372+/-808.336 χ^2/NDF: 31.9/41

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

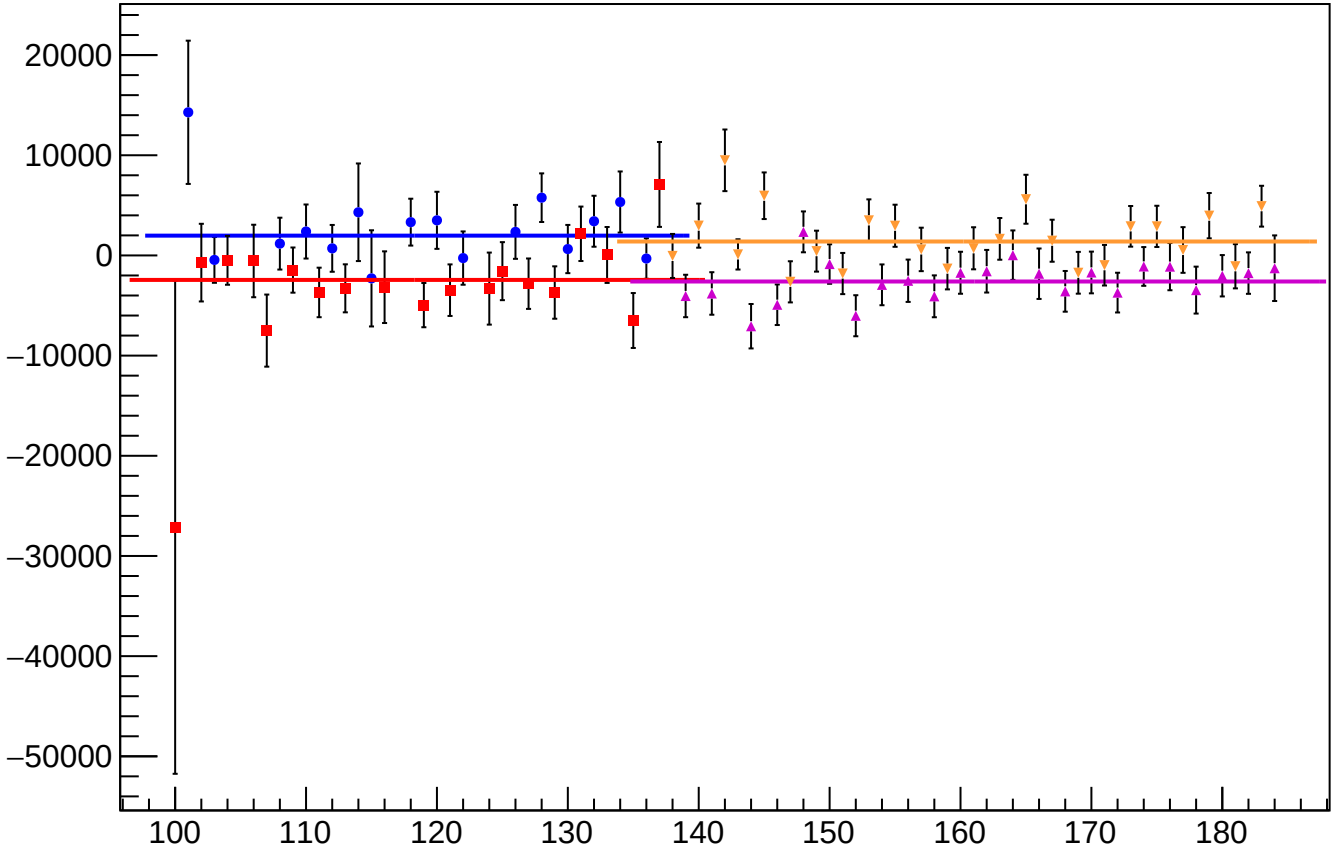
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4039.937+/-0.591 χ^2/NDF: 5389988.6/39

All: 3918.298+/-0.411 χ^2/NDF: 12452519.0/8

- sign 3804.443+/-0.572 χ^2/NDF: 6980461.6/41

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

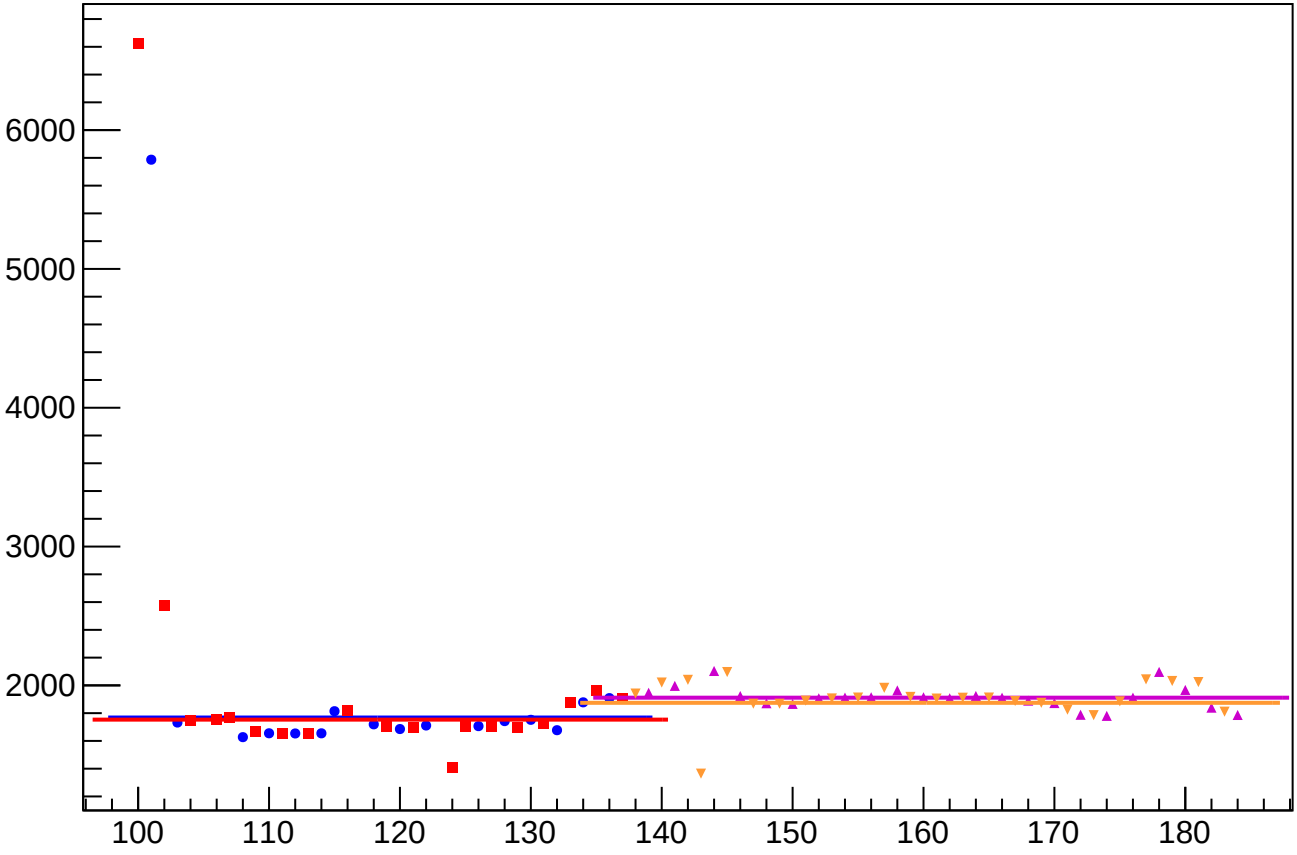
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1560.201+/-362.846 χ^2/NDF: 48.8/39

All: -458.638+/-258.908 χ^2/NDF: 149.4/81

- sign -2552.749+/-369.548 χ^2/NDF: 37.6/41

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

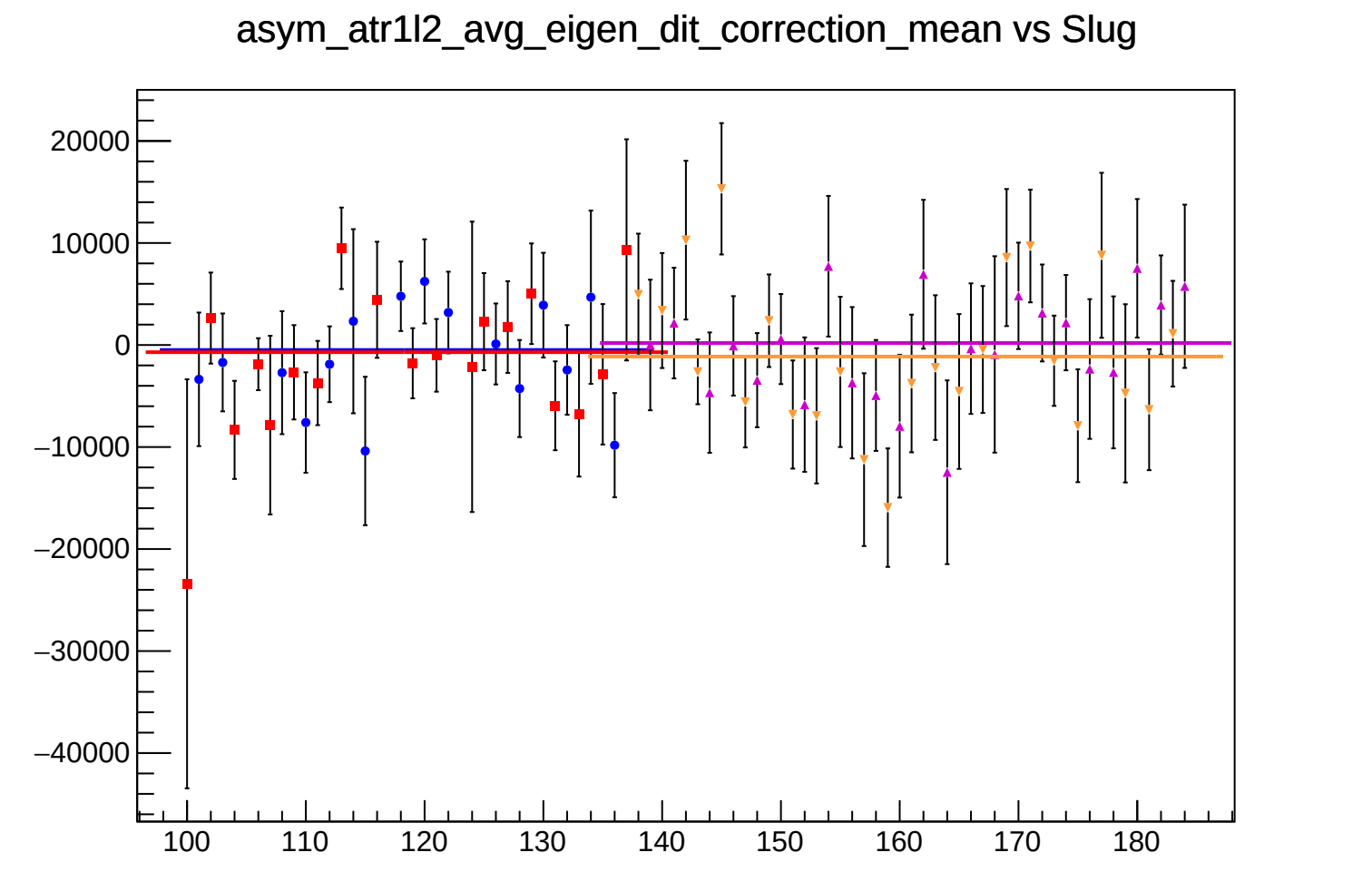
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1843.775+/-0.257 χ^2/NDF: 1010986.6/39

All: 1852.406+/-0.183 χ^2/NDF: 1370611.2/81

- sign 1861.345+/-0.261 χ^2/NDF: 357320.8/41



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

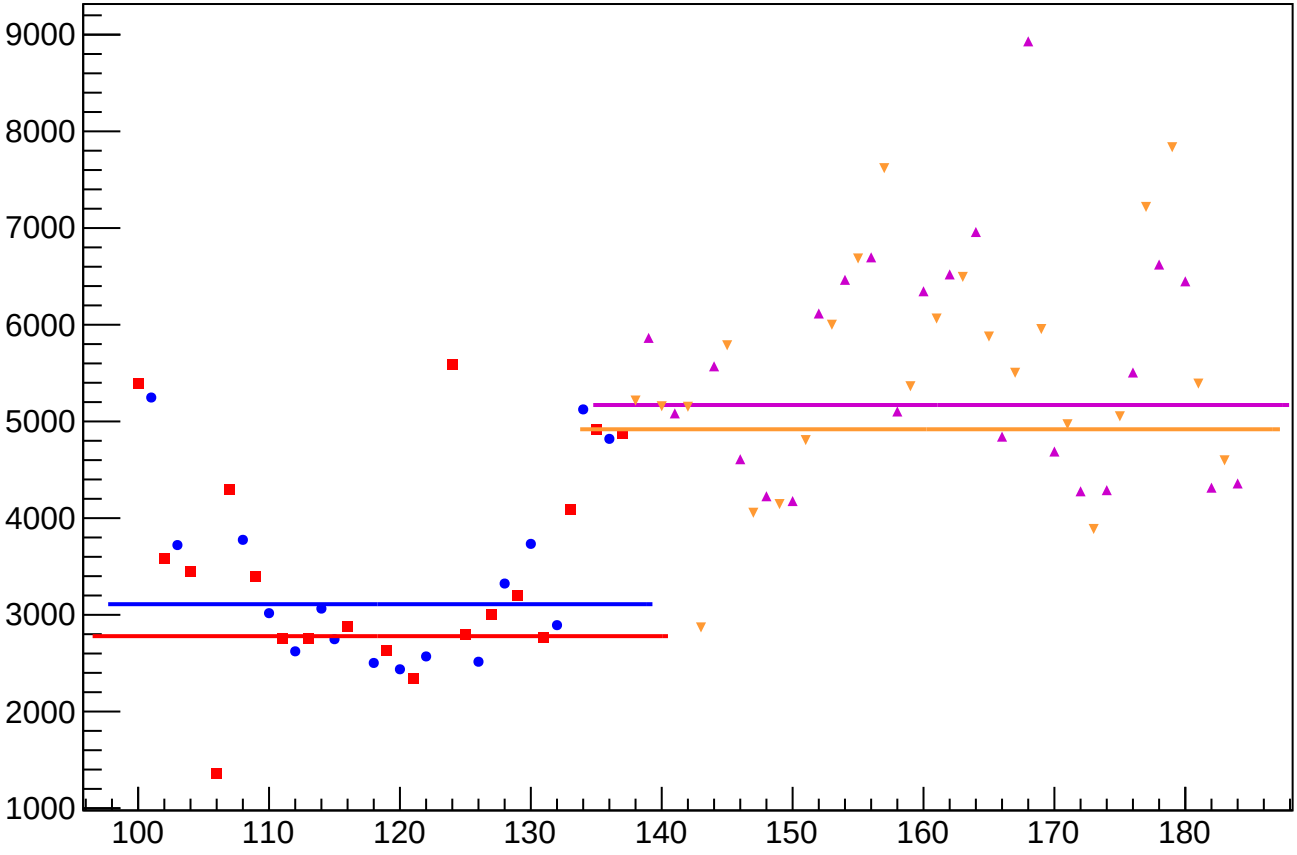
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -818.510+/-835.509 χ^2/NDF: 48.4/39

All: -559.661+/-580.948 χ^2/NDF: 80.5/81

- sign -317.375+/-808.334 χ^2/NDF: 31.9/41

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

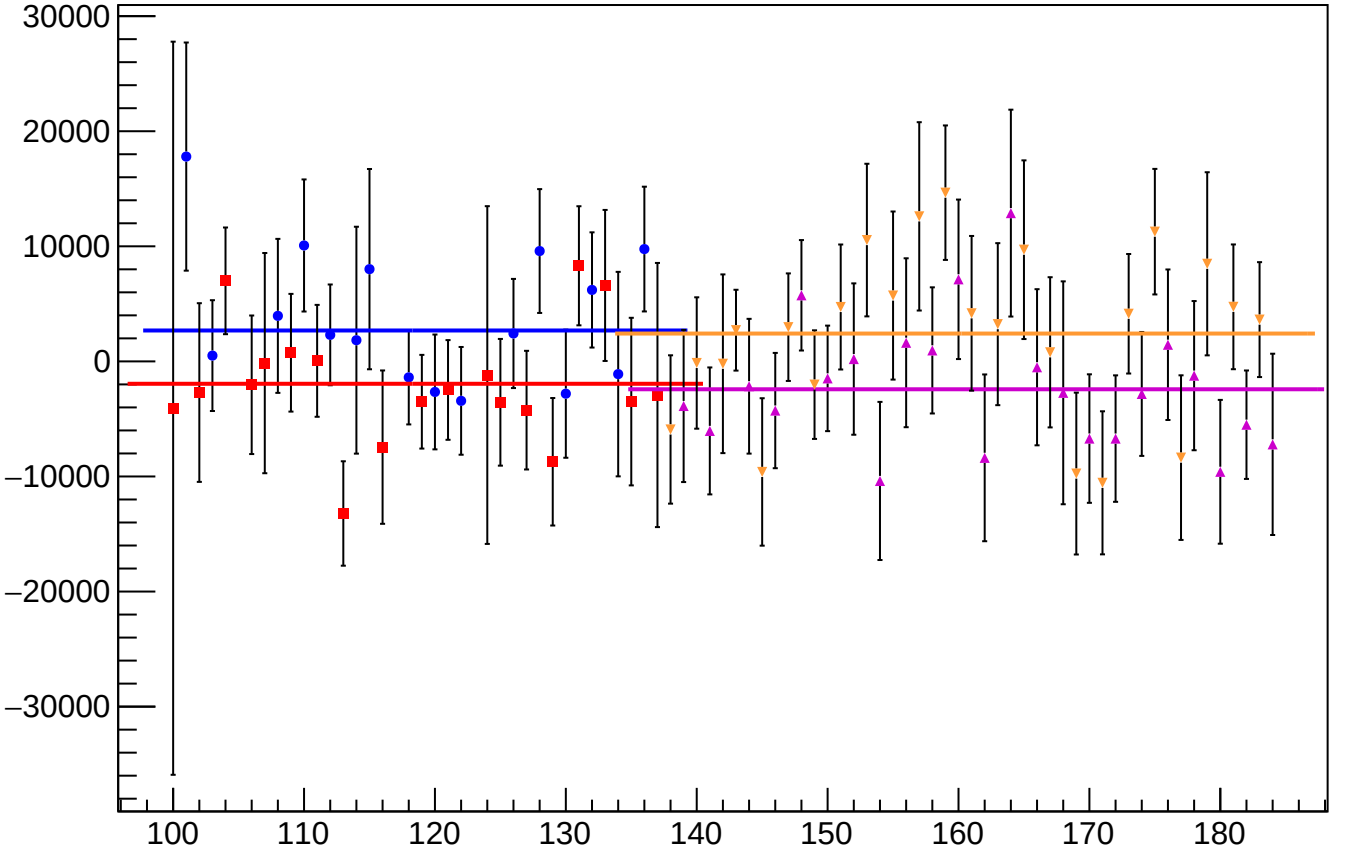
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4039.930+/-0.591 χ^2/NDF: 5390055.7/39

All: 3918.290+/-0.411 χ^2/NDF: 12452690.7/8

- sign 3804.433+/-0.572 χ^2/NDF: 6980563.1/41

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

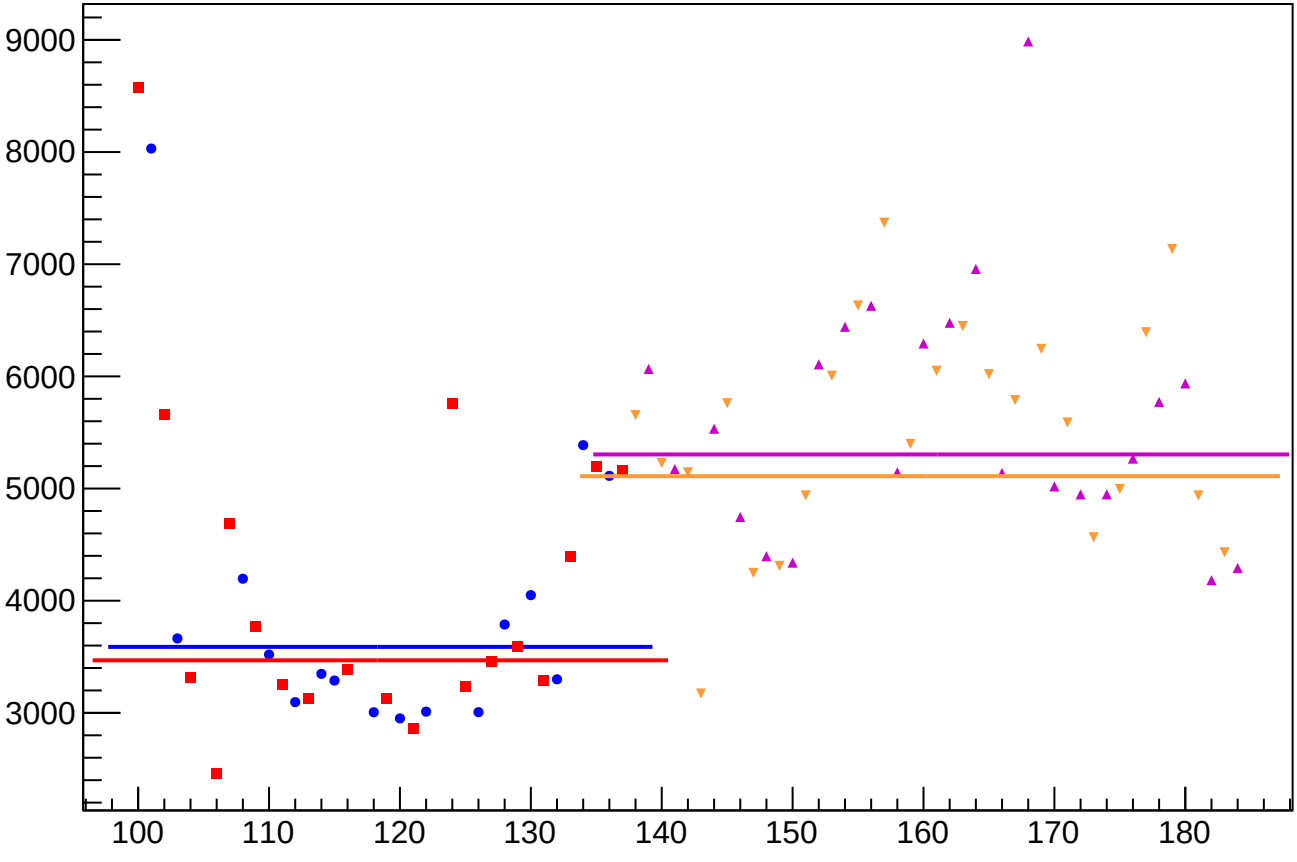
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2533.280+/-904.983 χ^2/NDF: 41.9/39

All: 195.146+/-643.618 χ^2/NDF: 89.2/81

- sign -2197.841+/-915.537 χ^2/NDF: 33.8/41

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

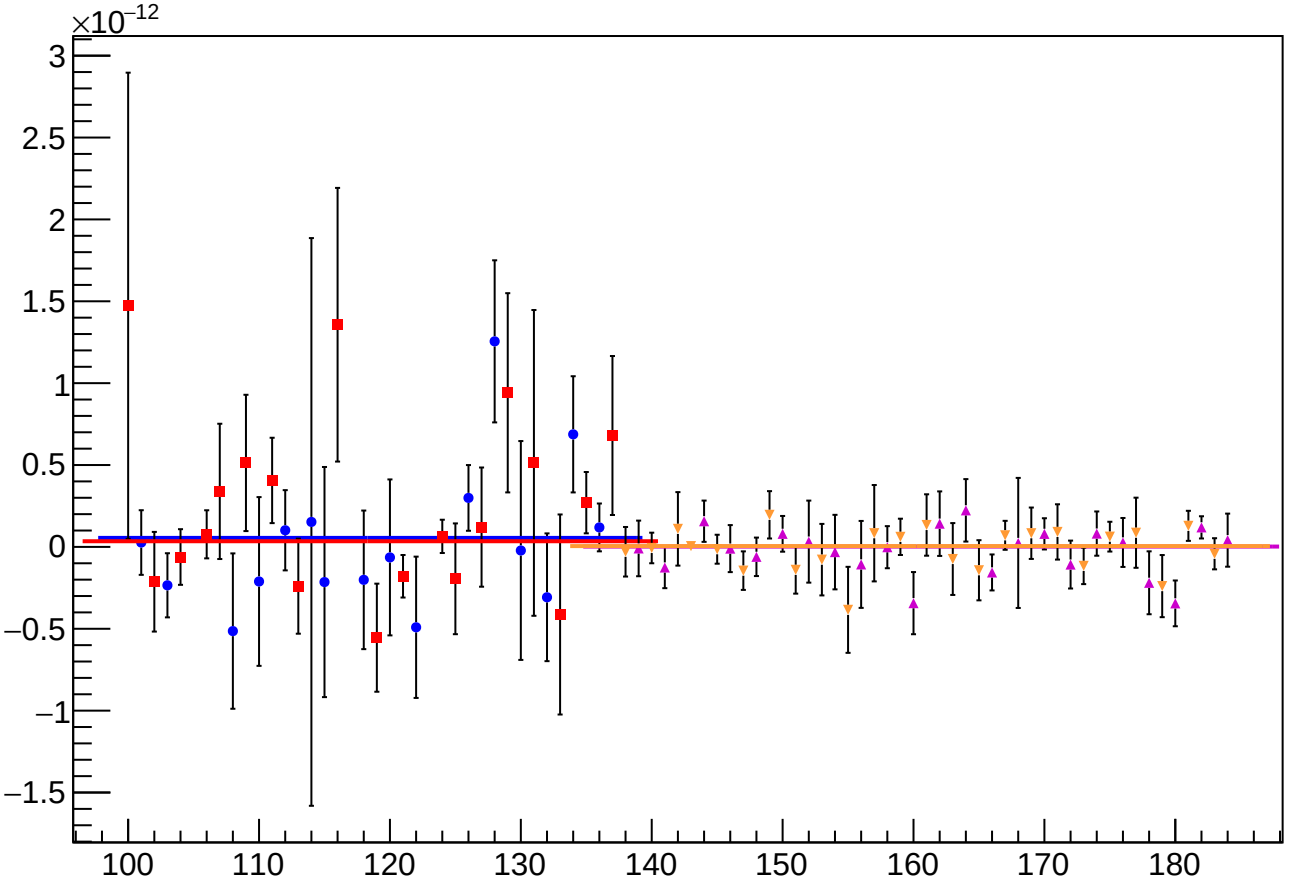
Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4455.718+/-0.640 χ^2/NDF: 3764562.7/39

All: 4440.059+/-0.453 χ^2/NDF: 7486059.1/81

- sign 4424.264+/-0.643 χ^2/NDF: 3720293.6/41

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

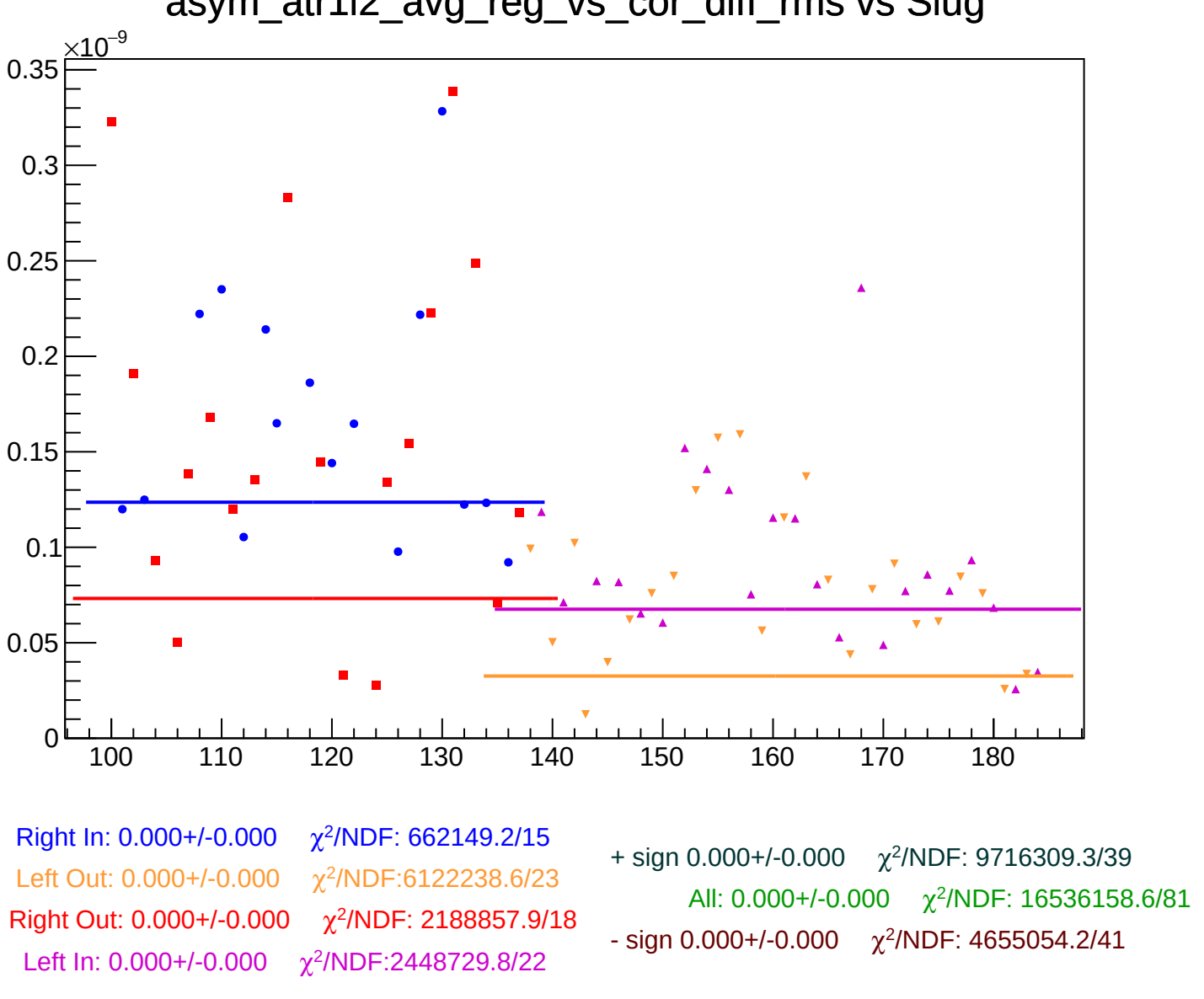
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

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

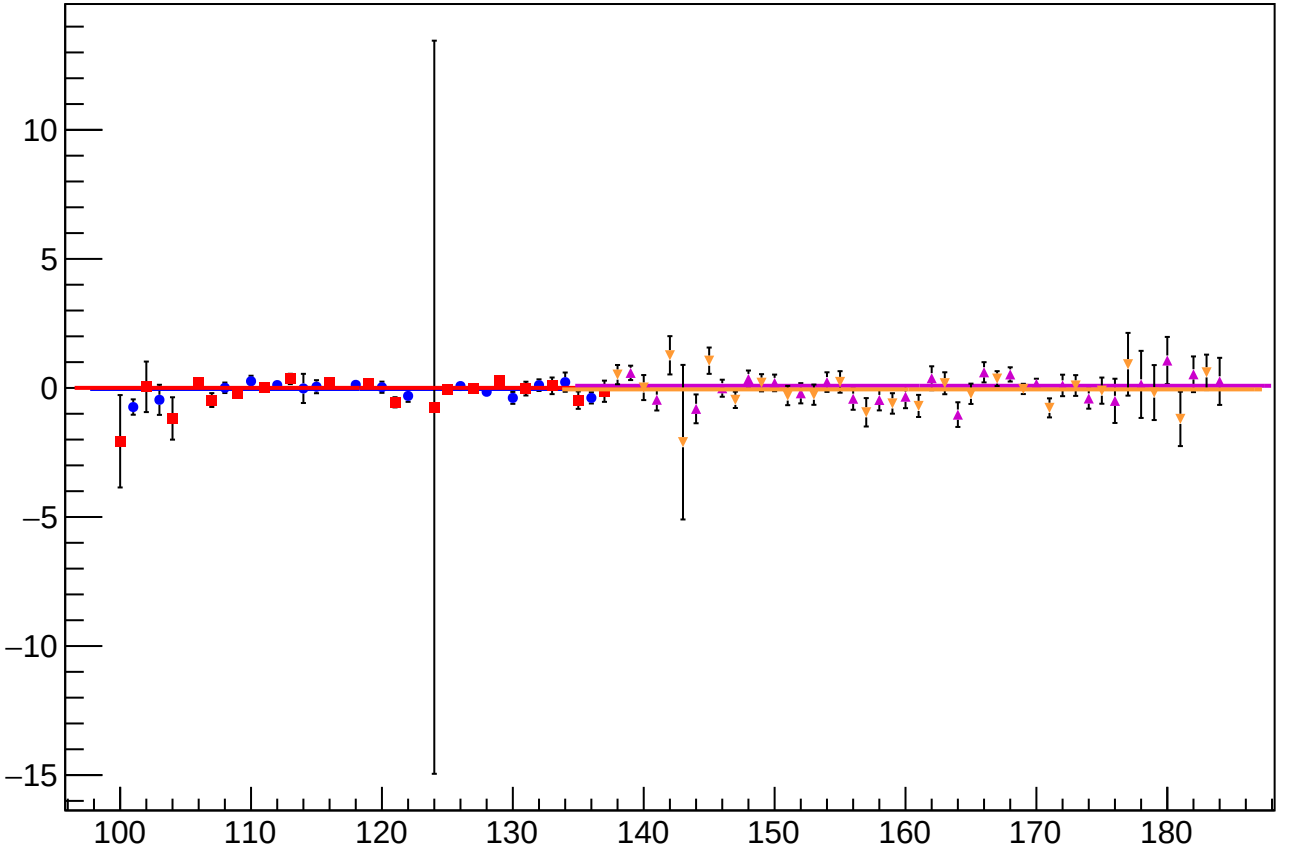
+ sign 0.000+/-0.000 χ^2/NDF: 33.3/39

All: 0.000+/-0.000 χ^2/NDF: 78.8/81

- sign 0.000+/-0.000 χ^2/NDF: 45.4/41


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:2448729.8/22
+ sign 0.000+/-0.000 χ²/NDF: 9716309.3/39
All: 0.000+/-0.000 χ²/NDF: 16536158.6/81
- sign 0.000+/-0.000 χ²/NDF: 4655054.2/41

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

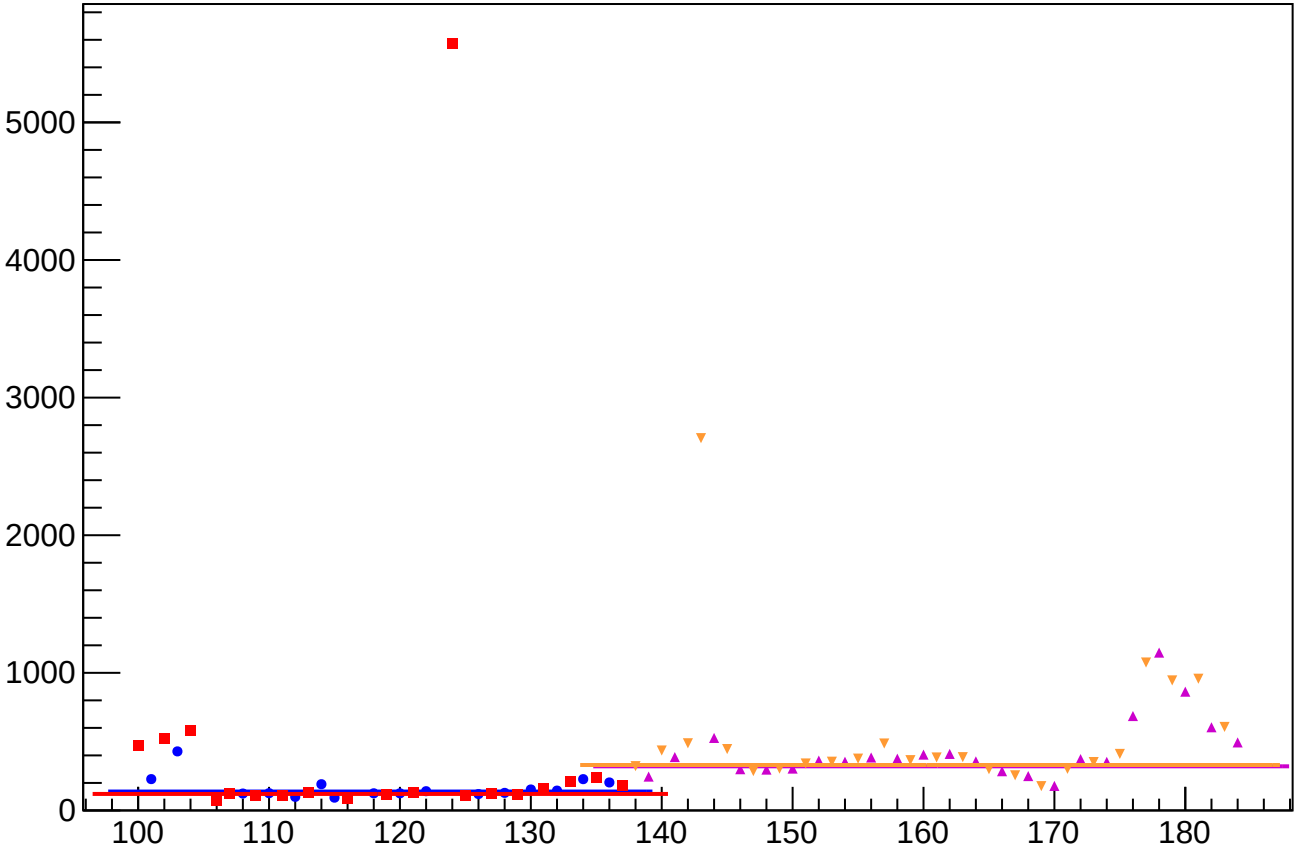
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.045+/-0.046 χ^2/NDF: 48.1/39

All: -0.007+/-0.032 χ^2/NDF: 105.8/81

\- sign 0.026+/-0.043 χ^2/NDF: 56.4/41

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

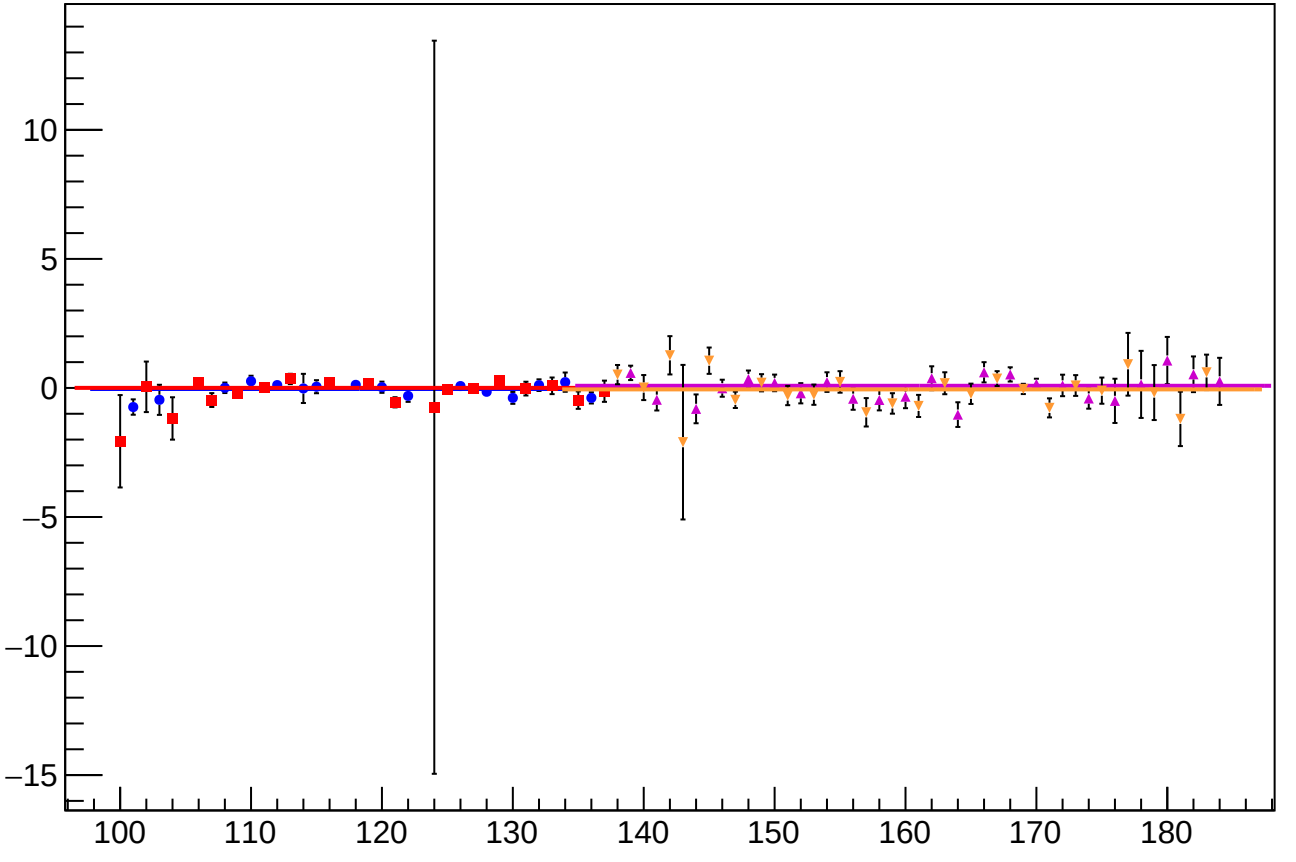
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 196.576+/-0.033 χ^2/NDF: 14335213.8/39

All: 185.913+/-0.022 χ^2/NDF: 29700145.3/81

- sign 176.729+/-0.031 χ^2/NDF: 15168999.1/41

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

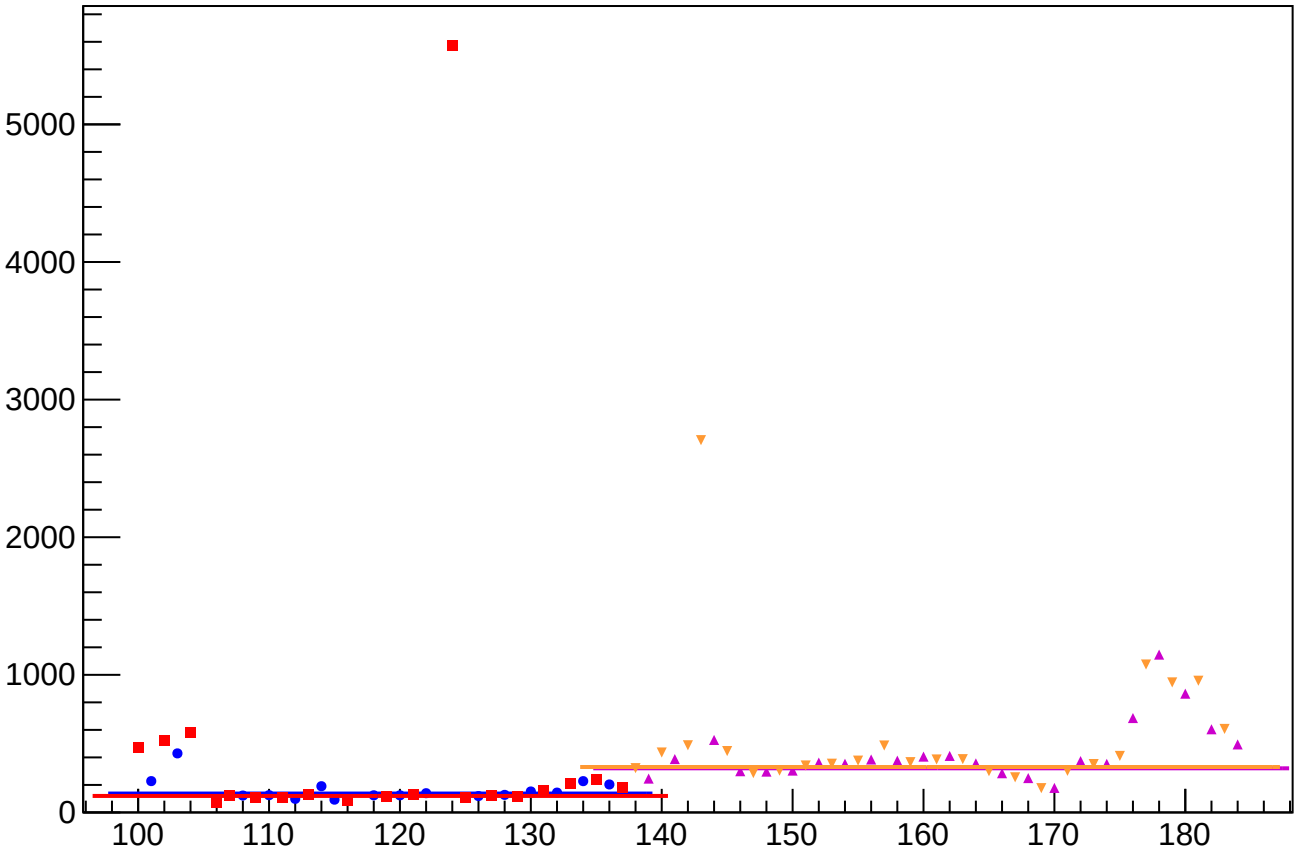
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.045+/-0.046 χ^2/NDF: 48.1/39

All: -0.007+/-0.032 χ^2/NDF: 105.8/81

\- sign 0.026+/-0.043 χ^2/NDF: 56.4/41



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 330.303+/-0.059 χ^2/NDF:5739924.3/23

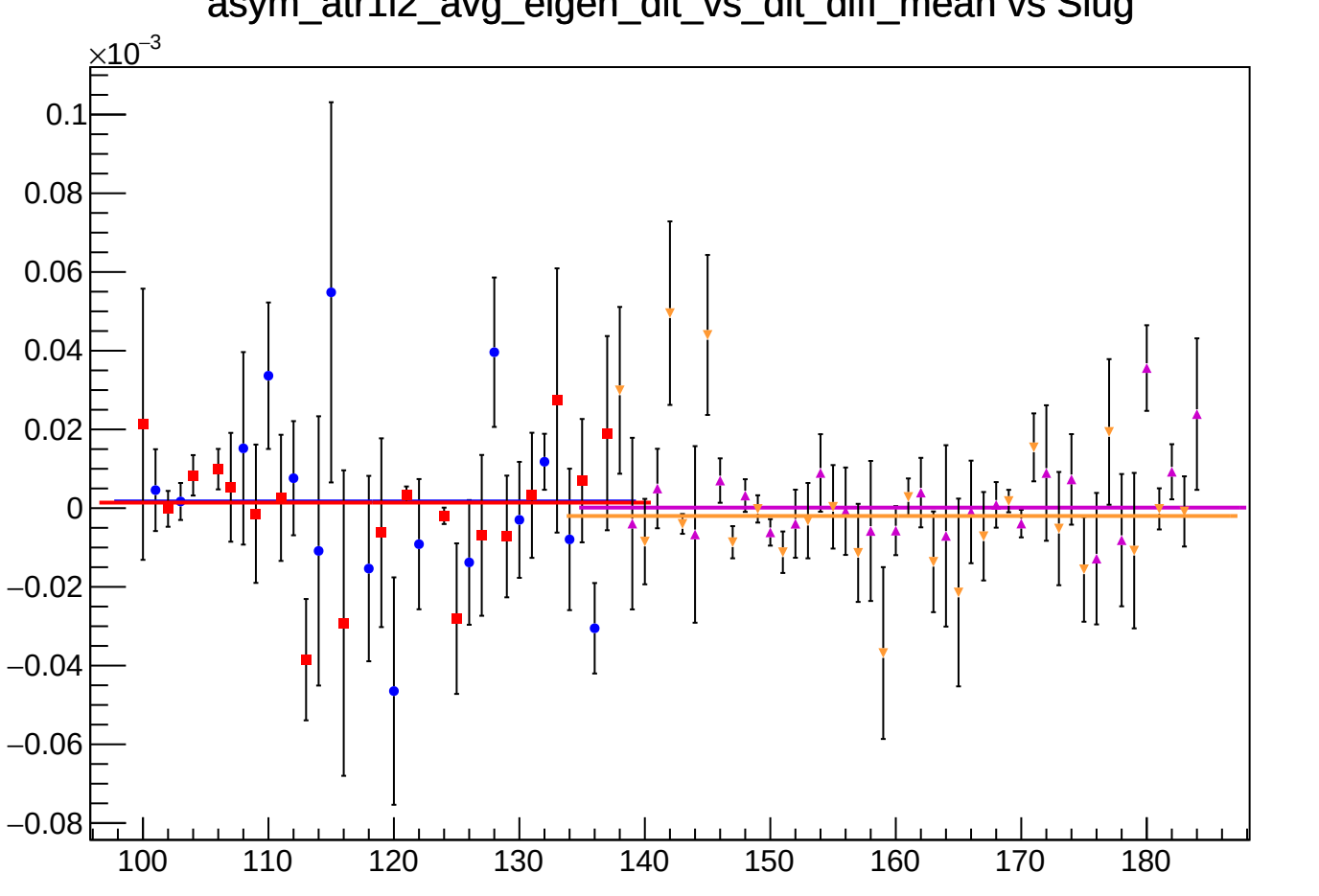
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 196.576+/-0.033 χ^2/NDF: 14335213.8/39

All: 185.913+/-0.022 χ^2/NDF: 29700145.3/81

- sign 176.729+/-0.031 χ^2/NDF: 15168999.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/23

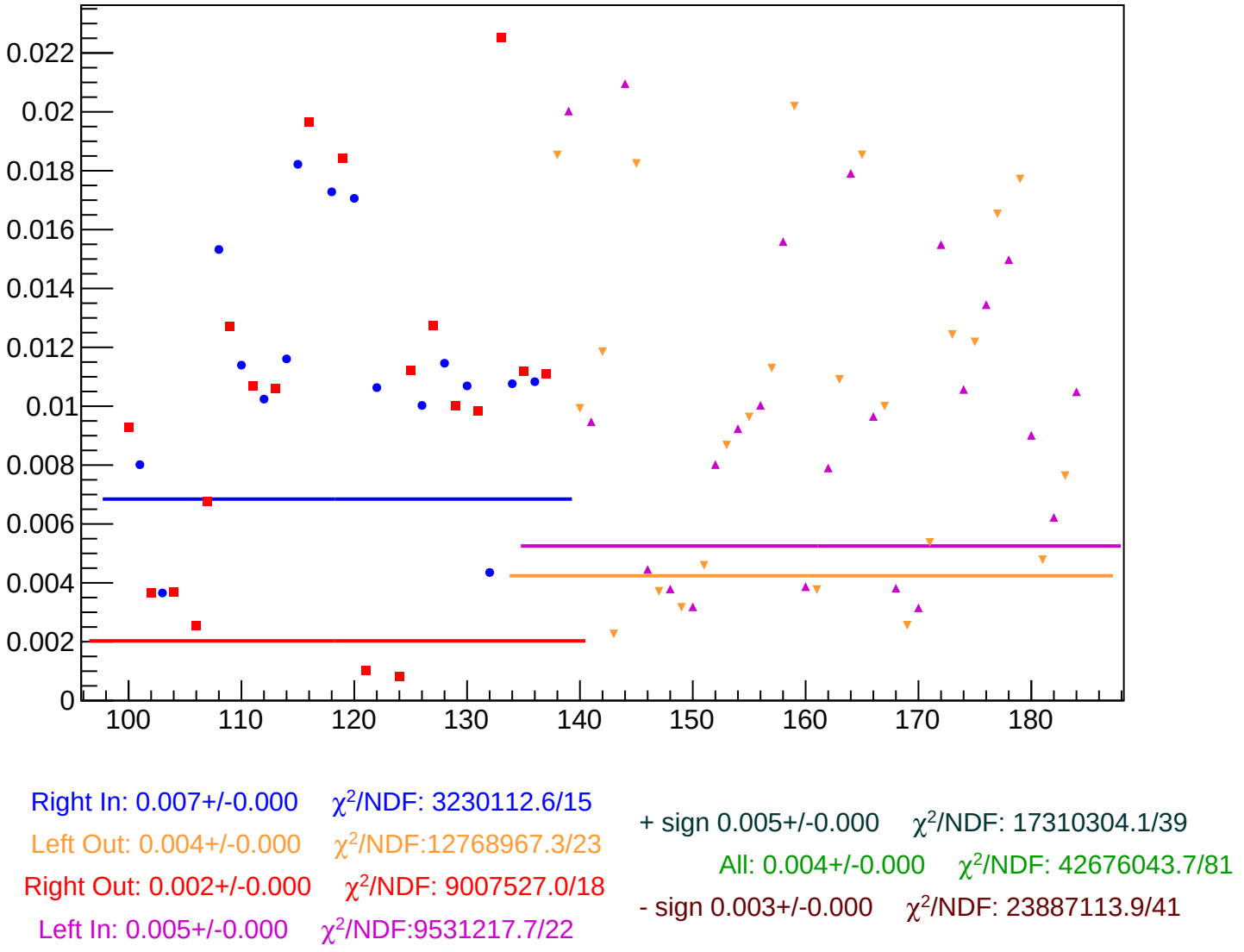
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

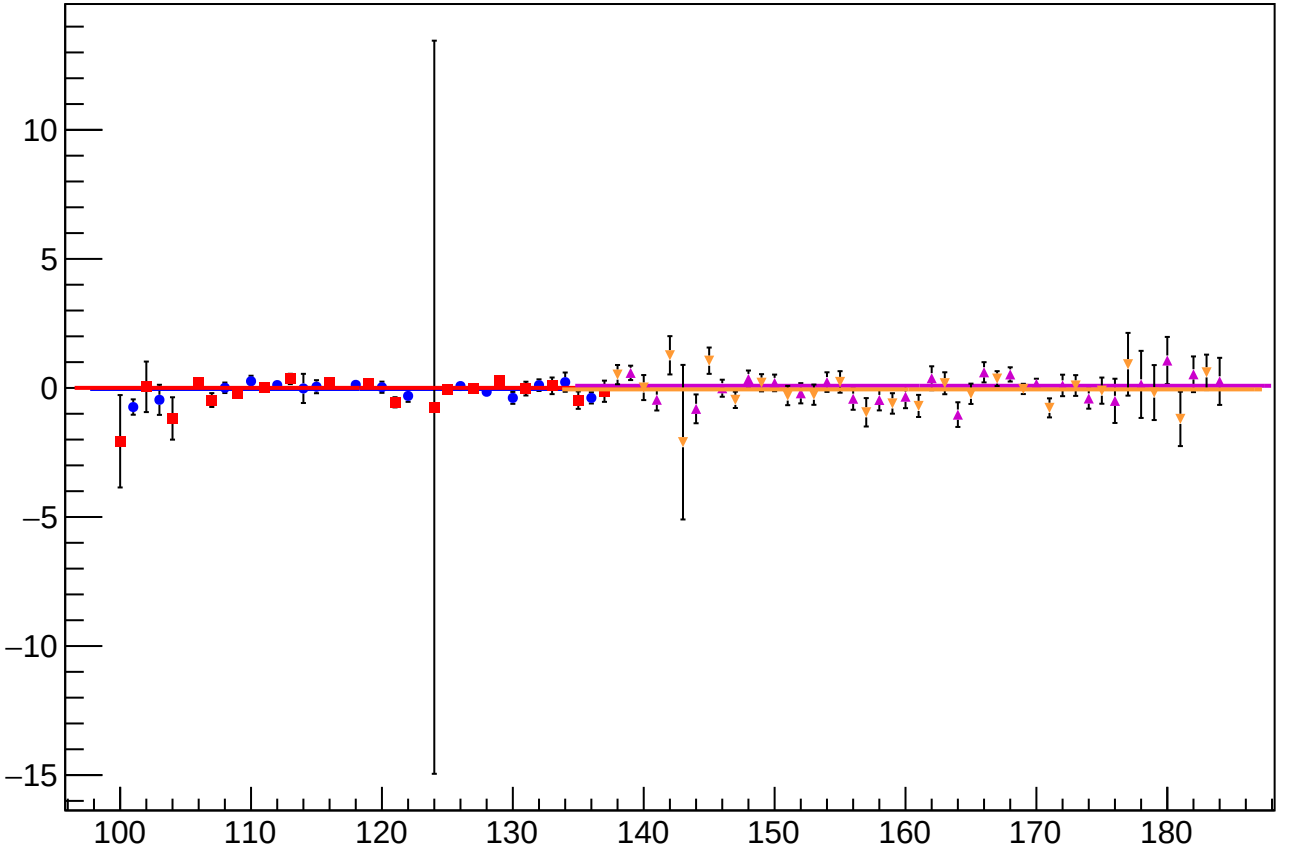
+ sign -0.000+/-0.000 χ^2/NDF: 58.9/39

All: -0.000+/-0.000 χ^2/NDF: 106.8/81

- sign 0.000+/-0.000 χ^2/NDF: 45.6/41


asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.000 χ²/NDF: 3230112.6/15
Left Out: 0.004+/-0.000 χ²/NDF:12768967.3/23
Right Out: 0.002+/-0.000 χ²/NDF: 9007527.0/18
Left In: 0.005+/-0.000 χ²/NDF:9531217.7/22
+ sign 0.005+/-0.000 χ²/NDF: 17310304.1/39
All: 0.004+/-0.000 χ²/NDF: 42676043.7/81
- sign 0.003+/-0.000 χ²/NDF: 23887113.9/41

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

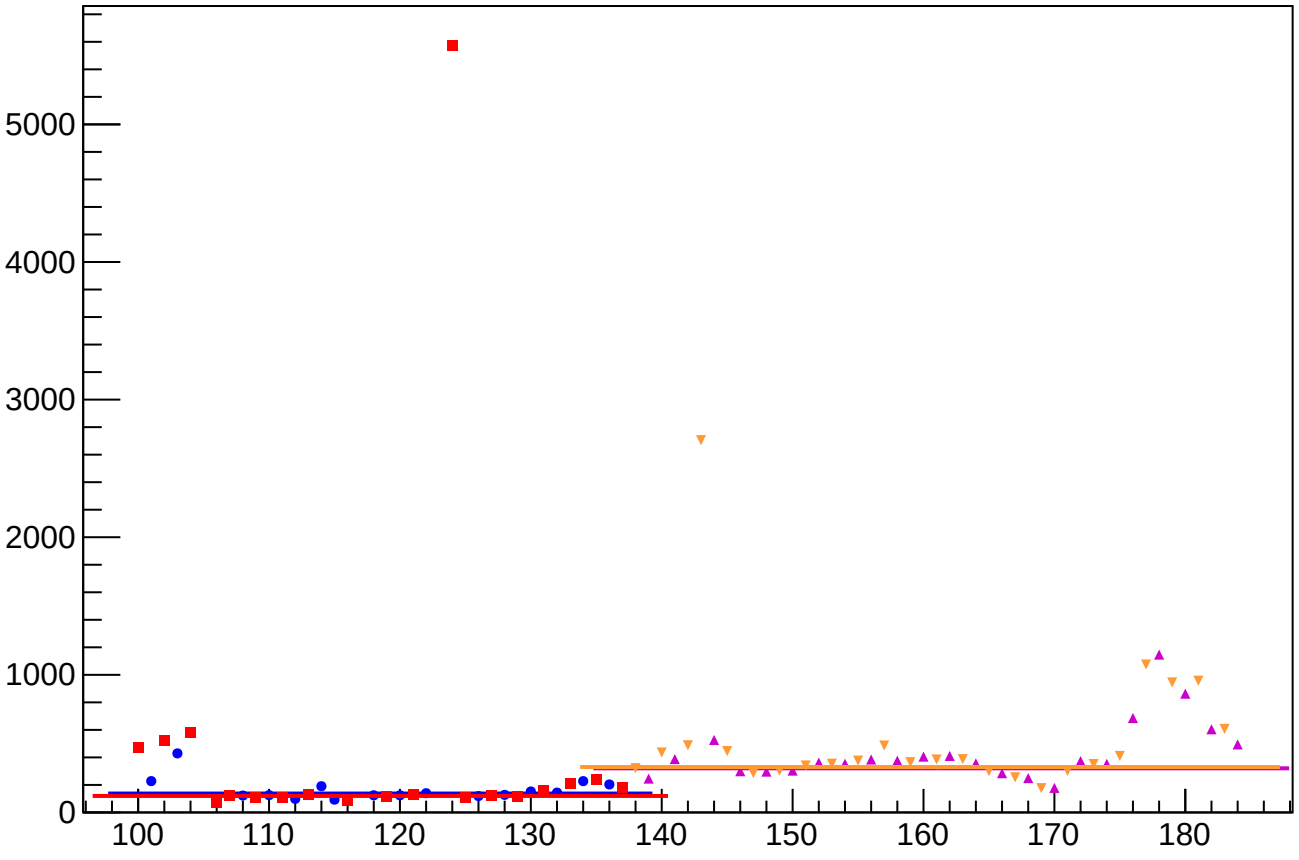
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.045+/-0.046 χ^2/NDF: 48.1/39

All: -0.007+/-0.032 χ^2/NDF: 105.8/81

\- sign 0.026+/-0.043 χ^2/NDF: 56.4/41



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 330.305+/-0.059 χ^2/NDF:5739979.3/23

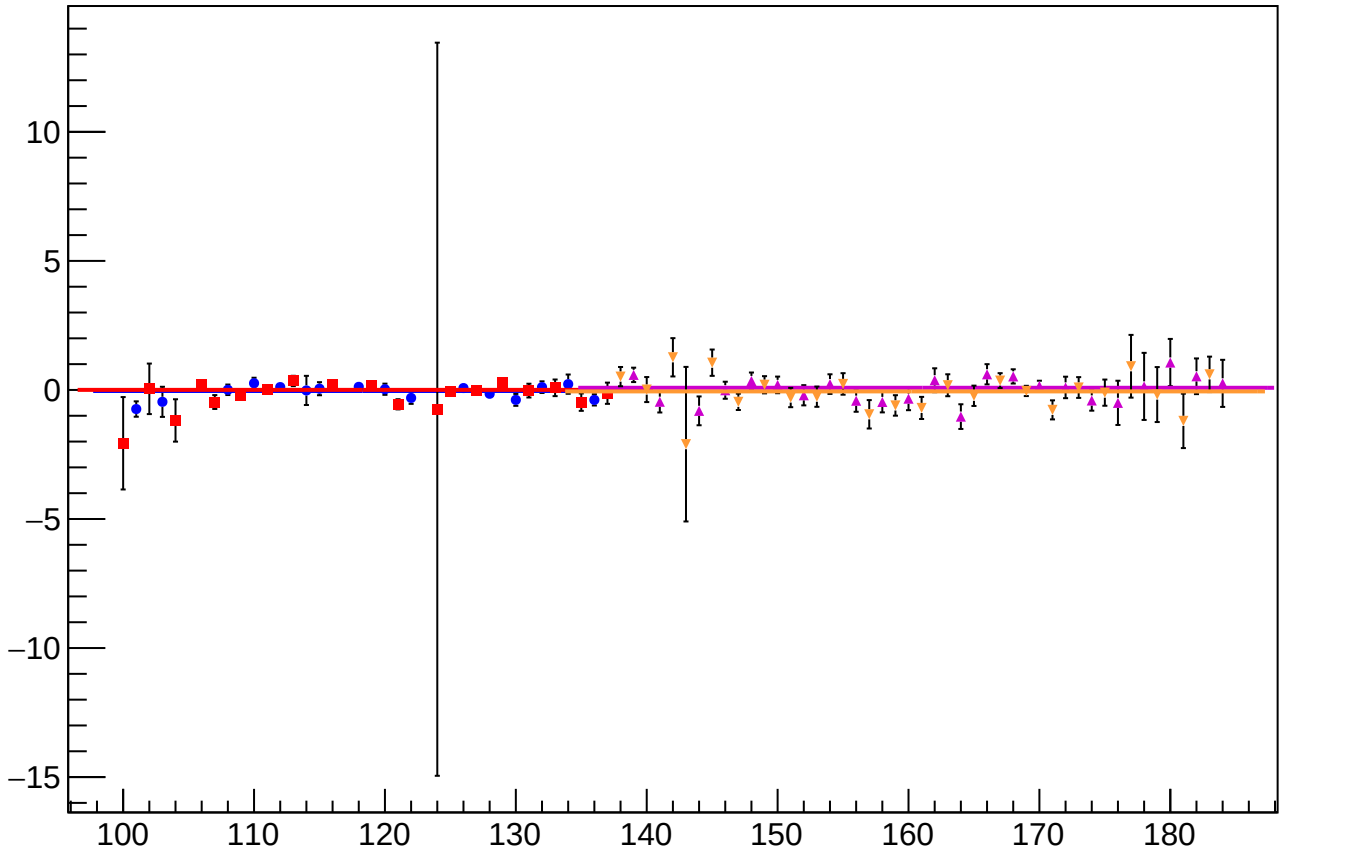
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 196.577+/-0.033 χ^2/NDF: 14335196.1/39

All: 185.914+/-0.022 χ^2/NDF: 29700215.8/81

- sign 176.729+/-0.031 χ^2/NDF: 15169065.7/41



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.056+/-0.084 χ^2/NDF:30.2/23

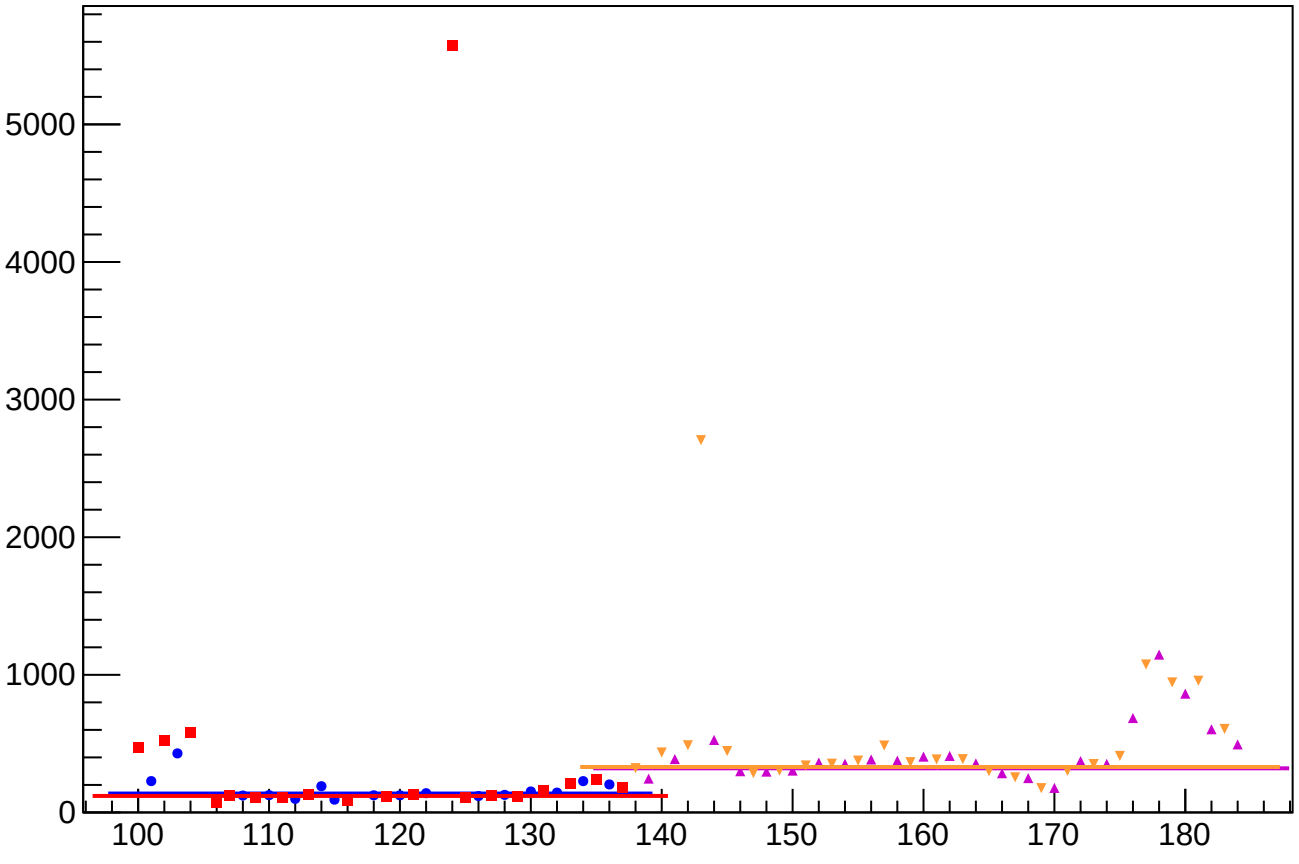
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.045+/-0.046 χ^2/NDF: 48.1/39

All: -0.007+/-0.032 χ^2/NDF: 105.8/81

\- sign 0.026+/-0.043 χ^2/NDF: 56.4/41



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 330.305+/-0.059 χ^2/NDF:5739979.3/23

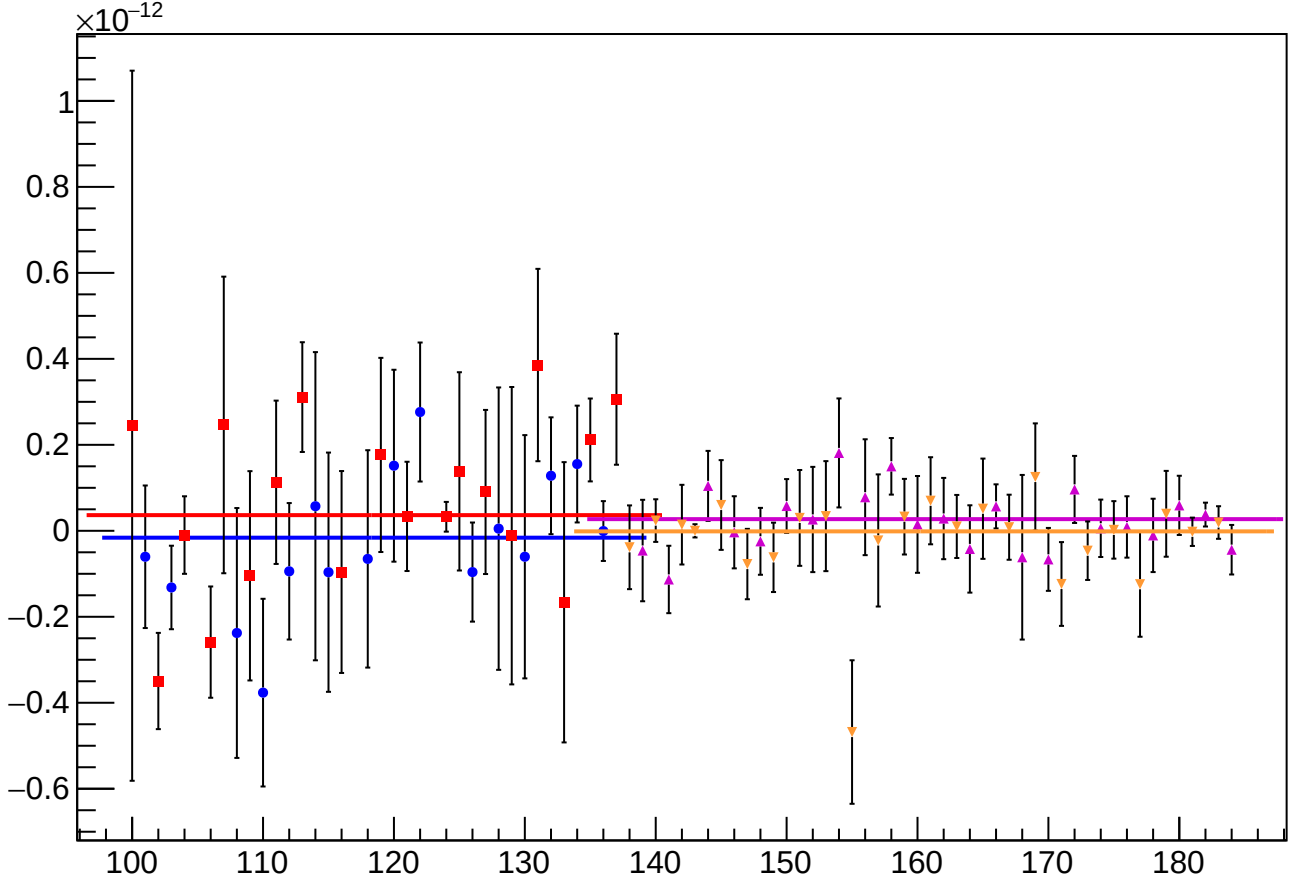
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 196.577+/-0.033 χ^2/NDF: 14335196.1/39

All: 185.914+/-0.022 χ^2/NDF: 29700215.8/81

- sign 176.729+/-0.031 χ^2/NDF: 15169065.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/23

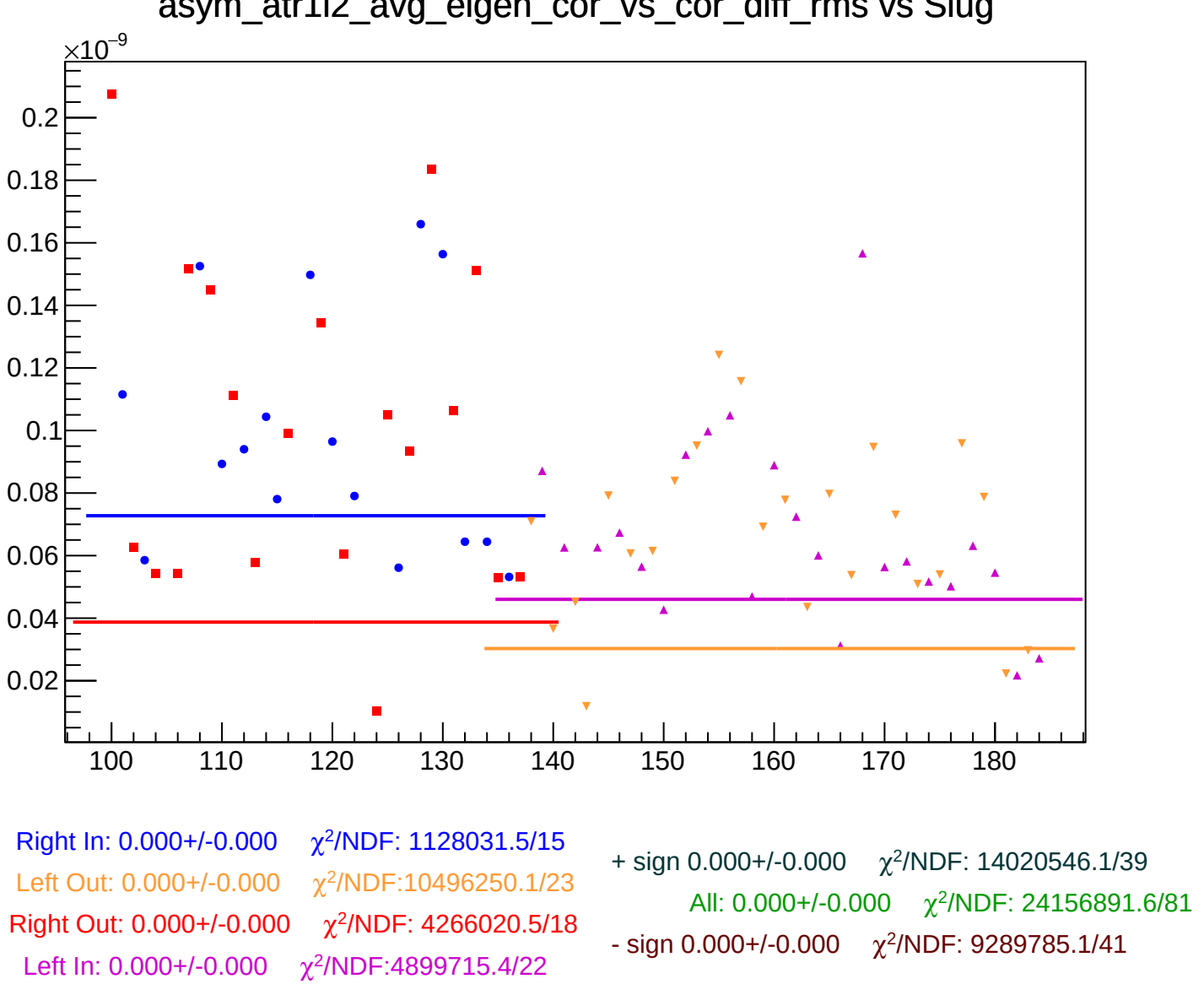
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

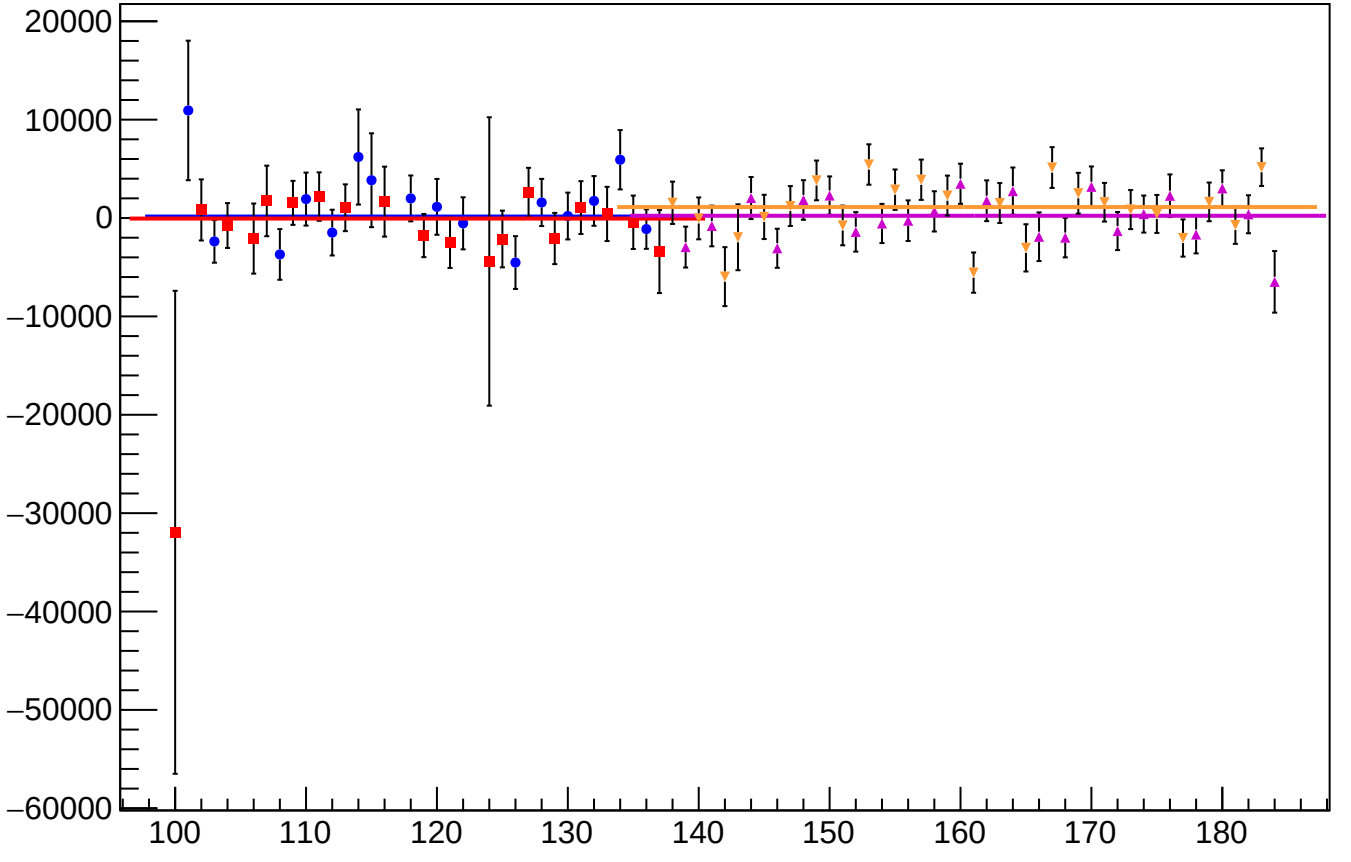
+ sign -0.000+/-0.000 χ^2/NDF: 28.1/39

All: 0.000+/-0.000 χ^2/NDF: 81.2/81

- sign 0.000+/-0.000 χ^2/NDF: 49.4/41


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:4899715.4/22
+ sign 0.000+/-0.000 χ²/NDF: 14020546.1/39
All: 0.000+/-0.000 χ²/NDF: 24156891.6/81
- sign 0.000+/-0.000 χ²/NDF: 9289785.1/41

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

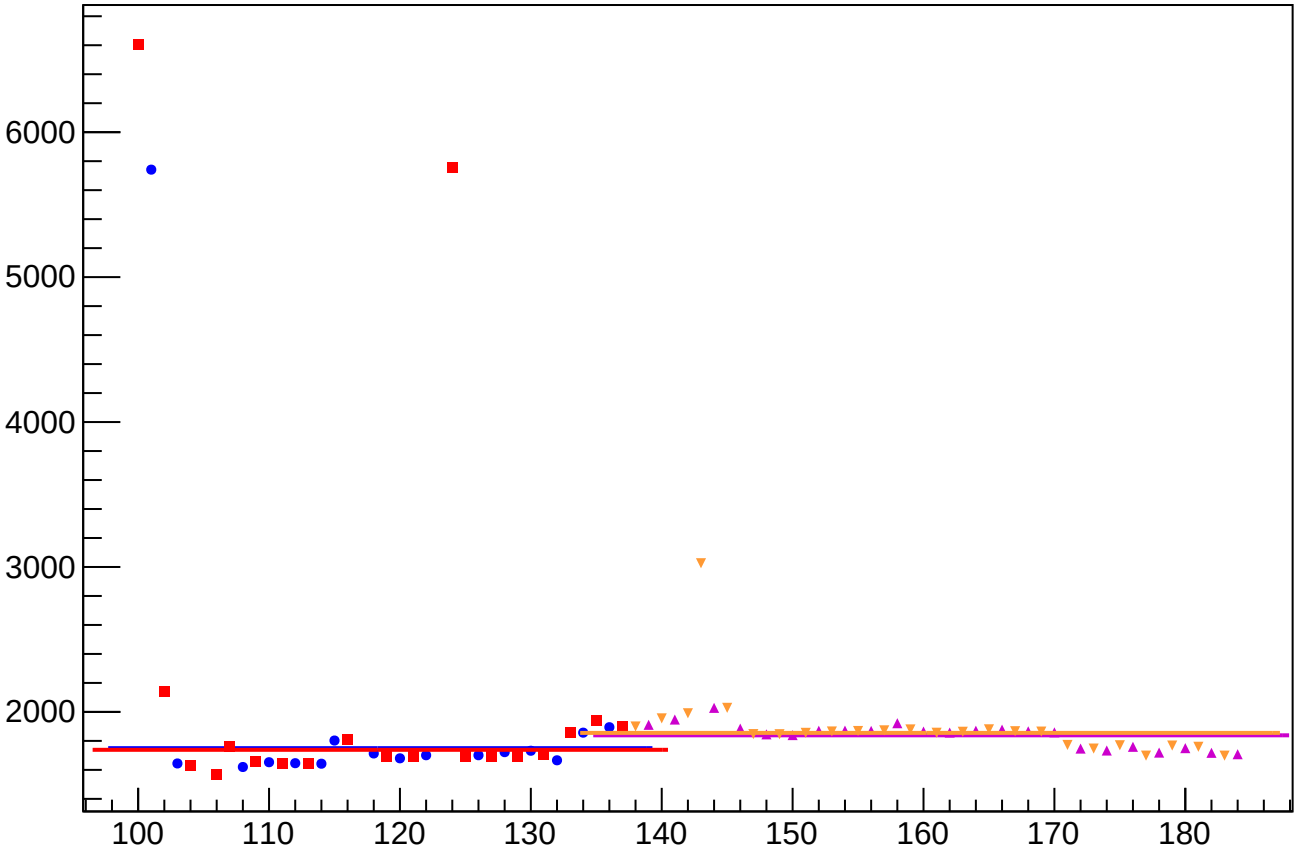
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 834.998+/-359.063 χ^2/NDF: 62.4/39

All: 489.800+/-253.990 χ^2/NDF: 99.7/81

- sign 144.091+/-359.329 χ^2/NDF: 35.5/41

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

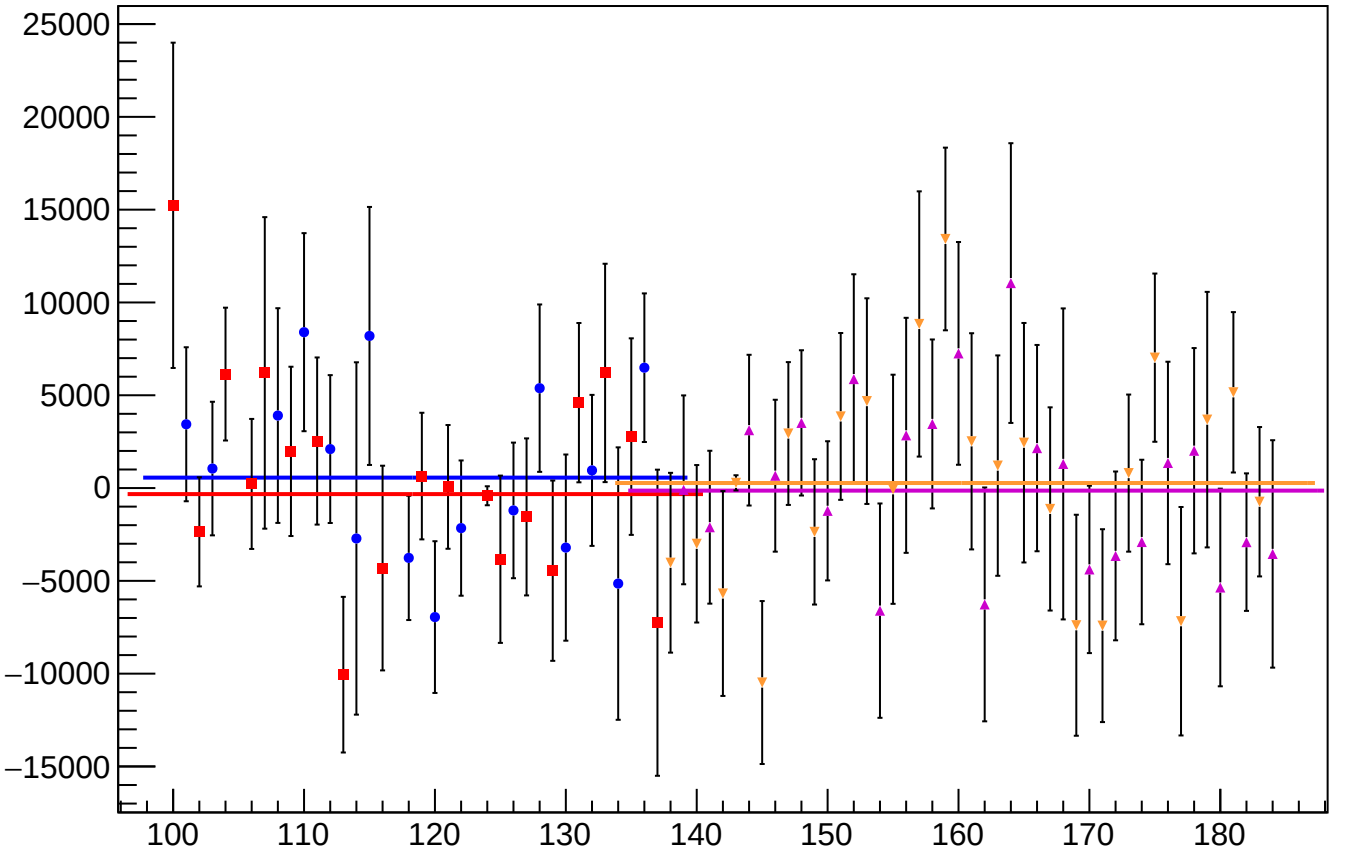
Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1824.715+/-0.254 χ^2/NDF: 1021060.5/39

All: 1816.413+/-0.179 χ^2/NDF: 1429098.9/81

- sign 1808.136+/-0.254 χ^2/NDF: 405903.1/41



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

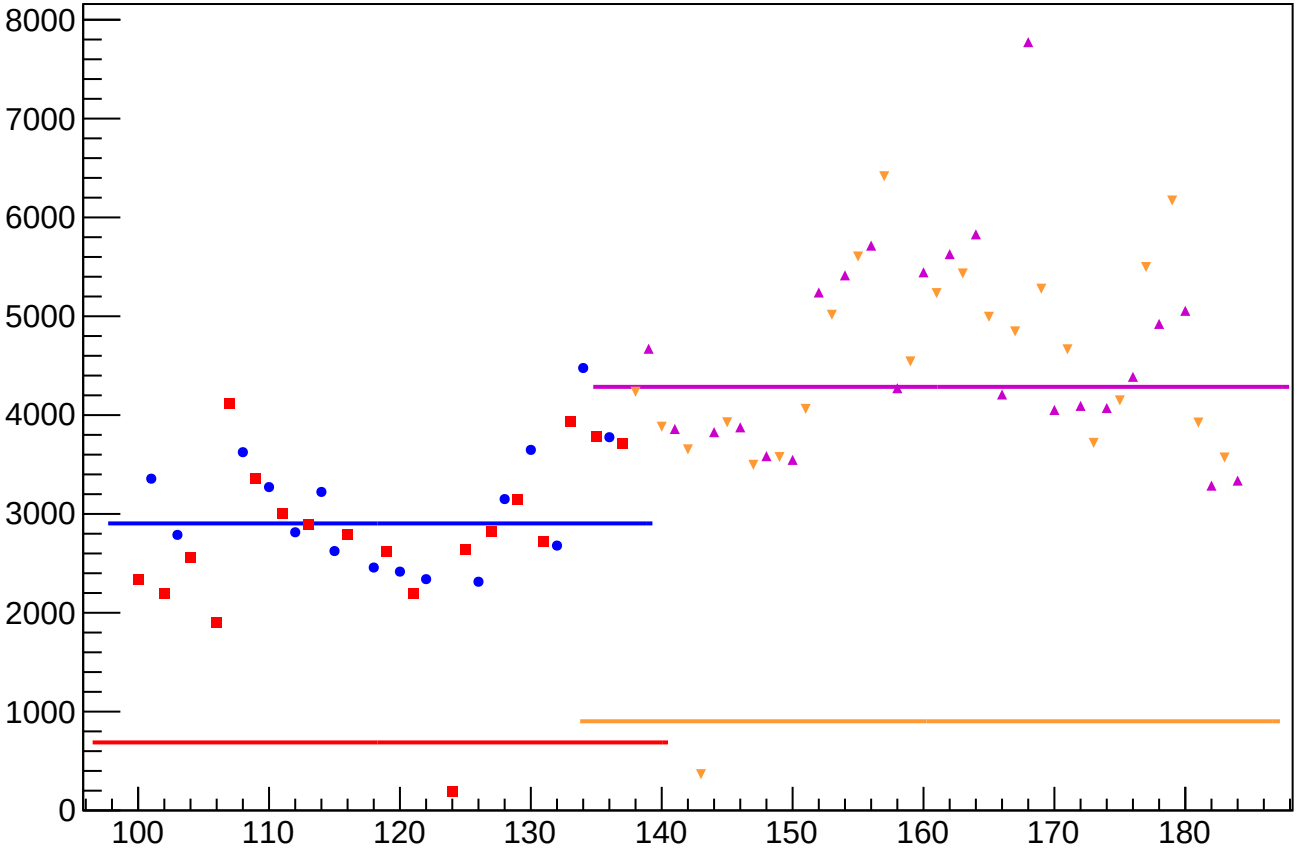
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 302.776+/-359.615 χ^2/NDF: 43.7/39

All: 48.795+/-272.604 χ^2/NDF: 78.0/81

- sign -294.310+/-417.975 χ^2/NDF: 33.1/41

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

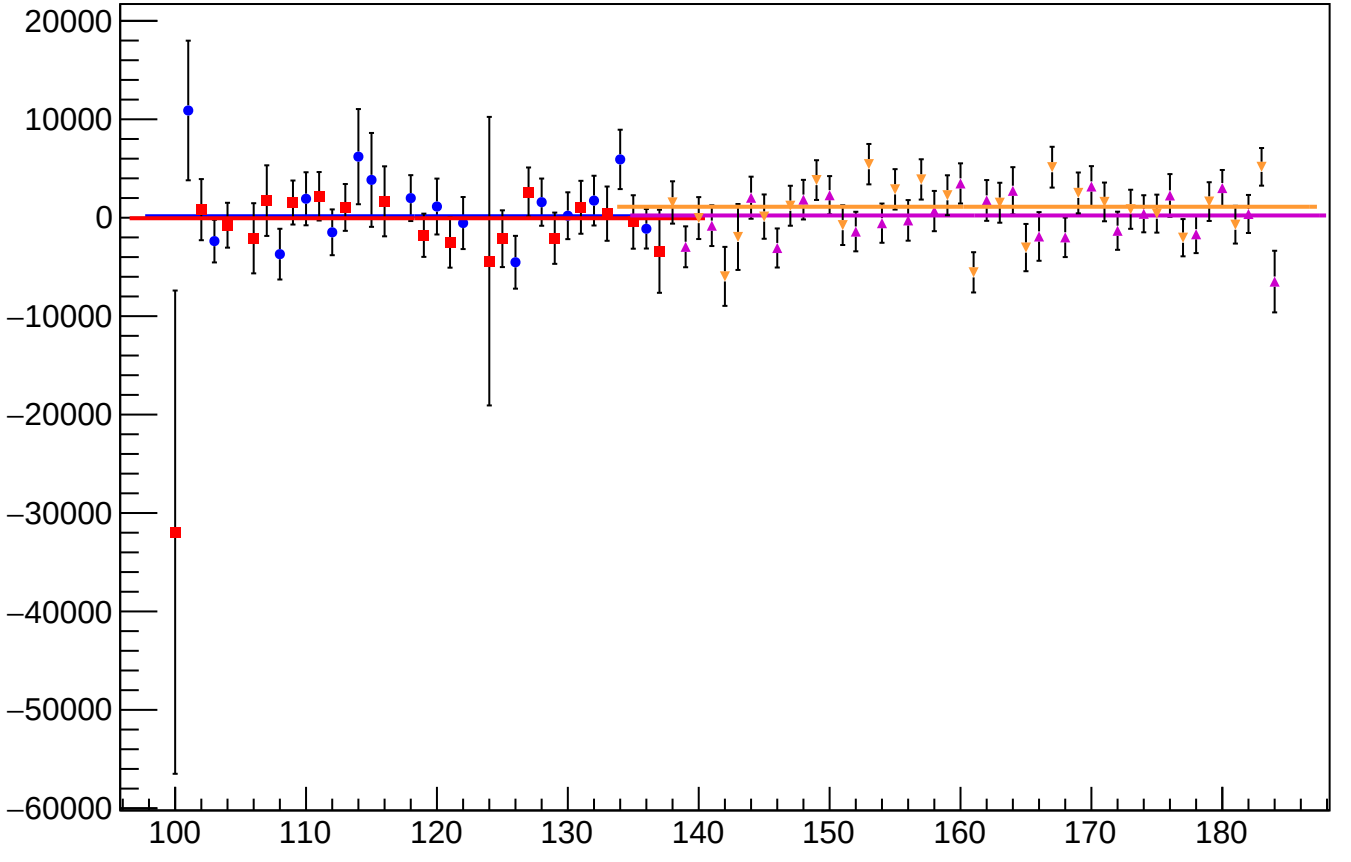
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1115.823+/-0.254 χ^2/NDF: 32869444.2/39

All: 1189.462+/-0.193 χ^2/NDF: 65149865.6/8

- sign 1288.941+/-0.296 χ^2/NDF: 32083267.8/41

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

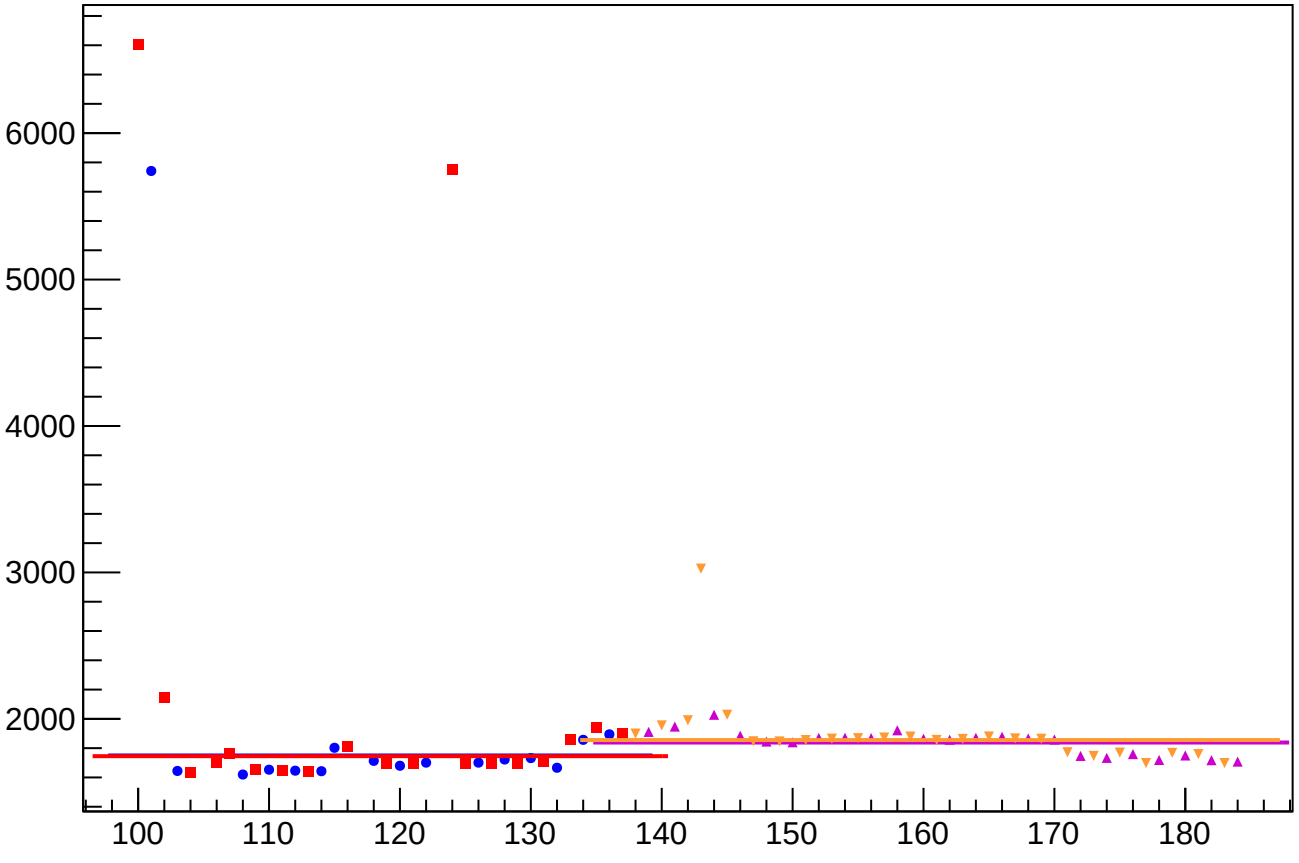
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 834.851+/-359.063 χ^2/NDF: 62.4/39

All: 489.690+/-253.990 χ^2/NDF: 99.7/81

- sign 144.017+/-359.329 χ^2/NDF: 35.5/41

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

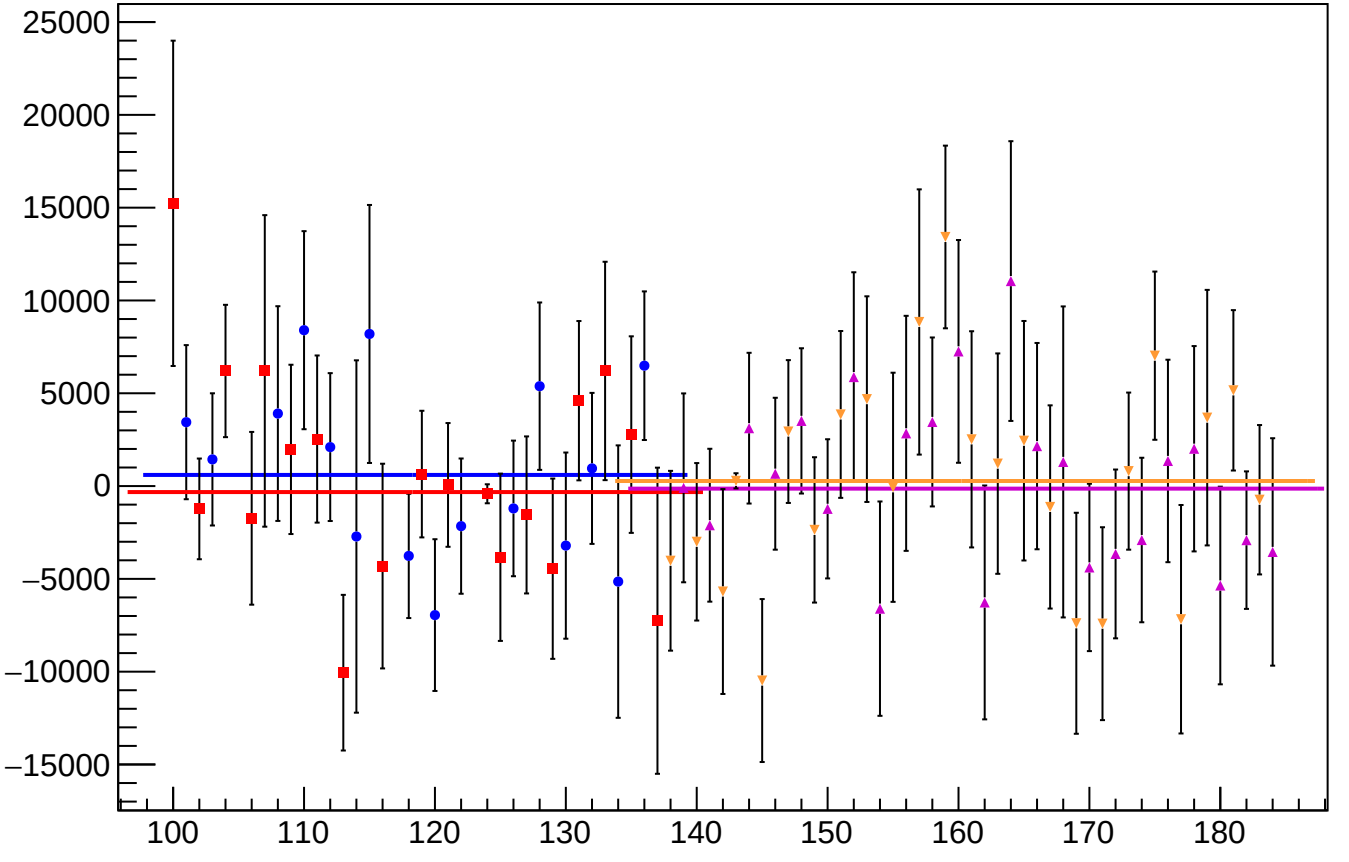
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1824.715+/-0.254 χ^2/NDF: 1021060.9/39

All: 1817.511+/-0.179 χ^2/NDF: 1417654.6/81

- sign 1810.313+/-0.254 χ^2/NDF: 394984.1/41

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

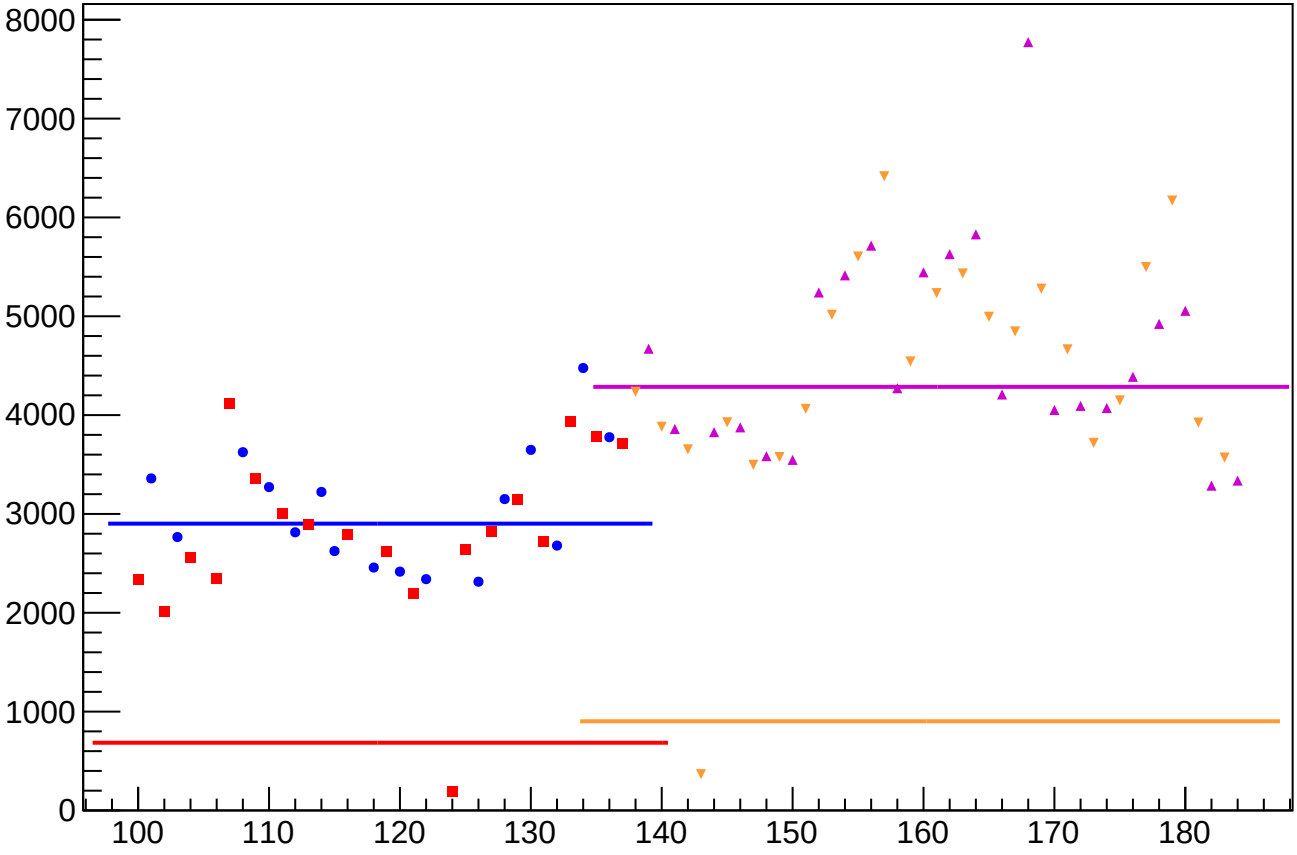
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 307.685+/-359.604 χ^2/NDF: 43.7/39

All: 53.012+/-272.792 χ^2/NDF: 77.9/81

- sign -292.192+/-418.670 χ^2/NDF: 32.9/41

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

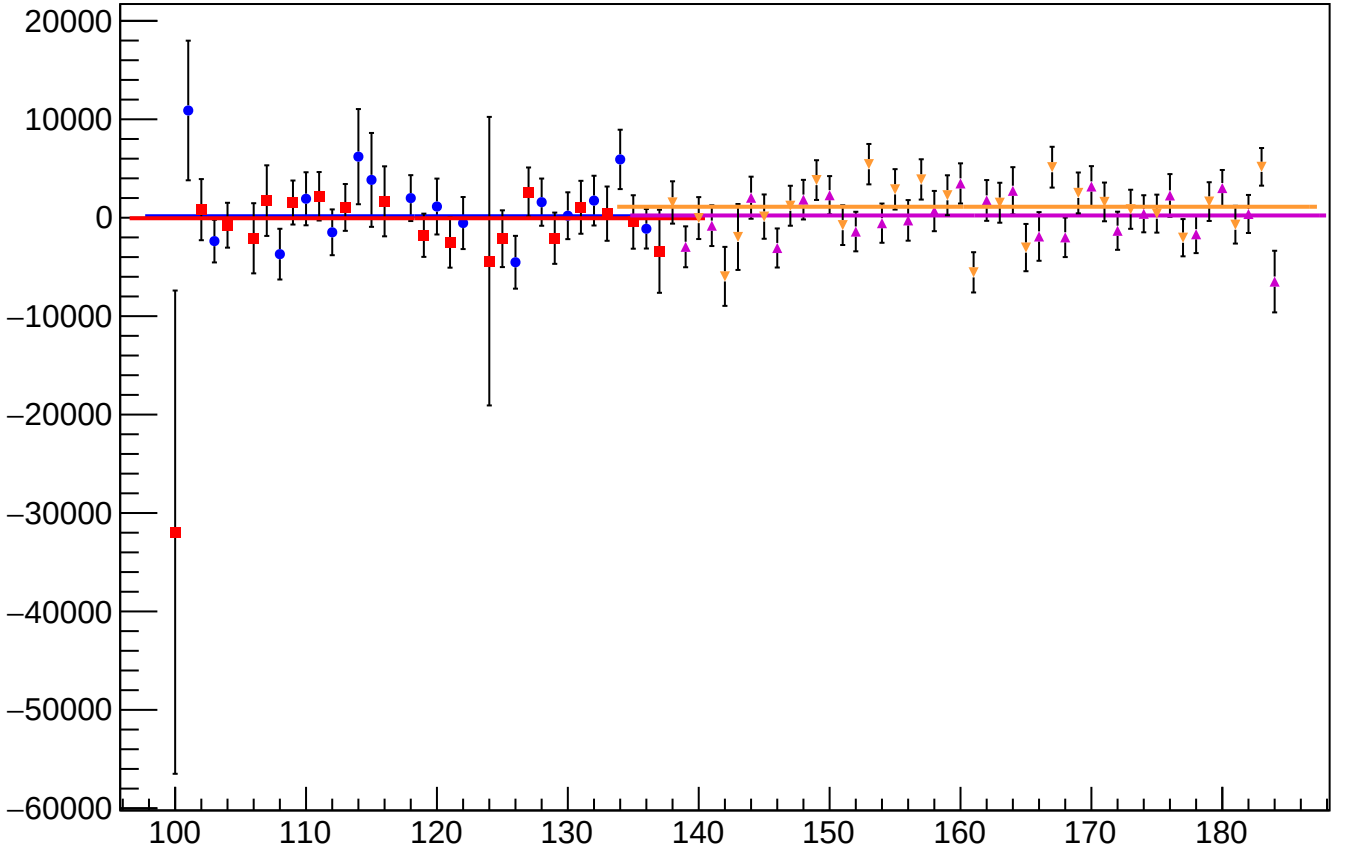
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1116.082+/-0.254 χ^2/NDF: 32865653.2/39

All: 1189.235+/-0.193 χ^2/NDF: 65122051.4/8

- sign 1288.391+/-0.296 χ^2/NDF: 32061451.4/41

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

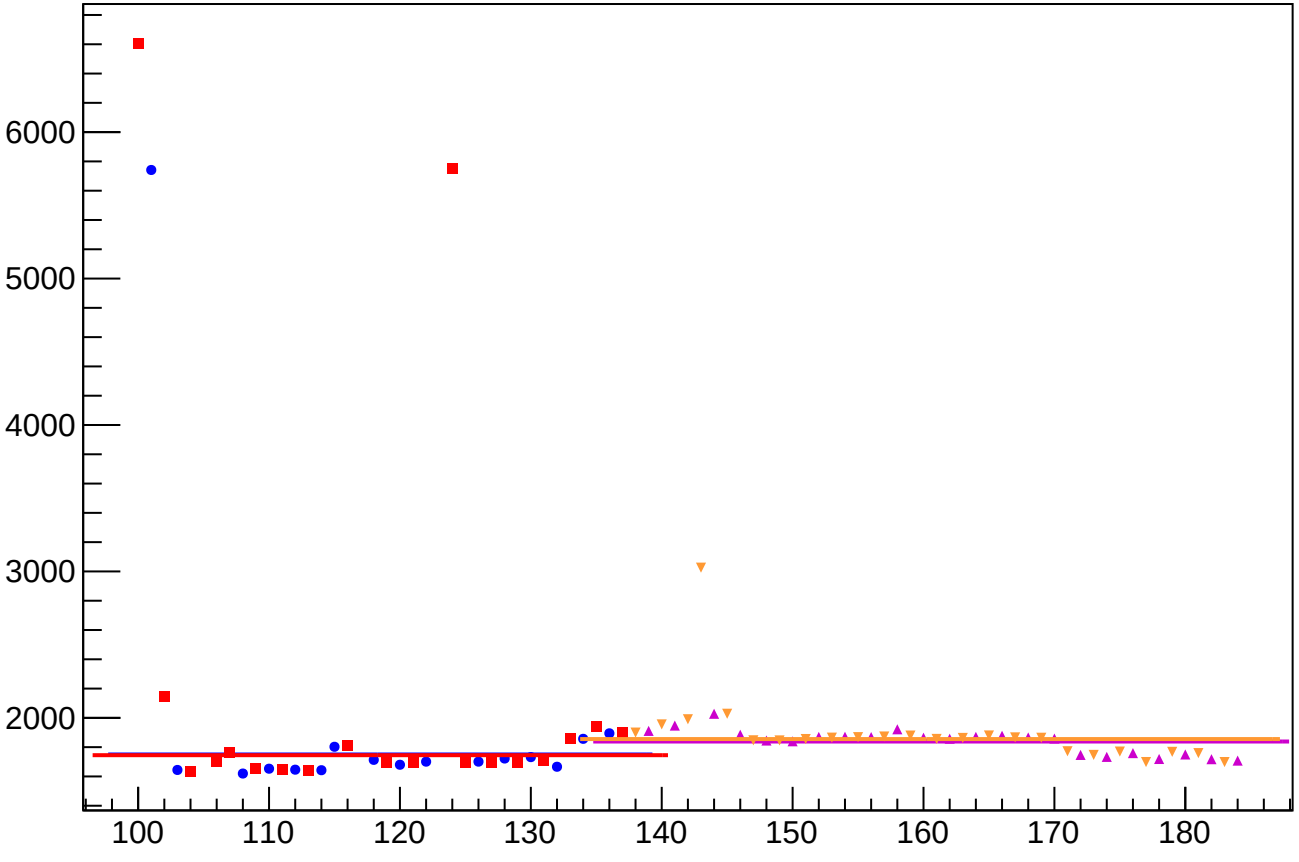
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 834.851+/-359.063 χ^2/NDF: 62.4/39

All: 489.690+/-253.990 χ^2/NDF: 99.7/81

- sign 144.017+/-359.329 χ^2/NDF: 35.5/41

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

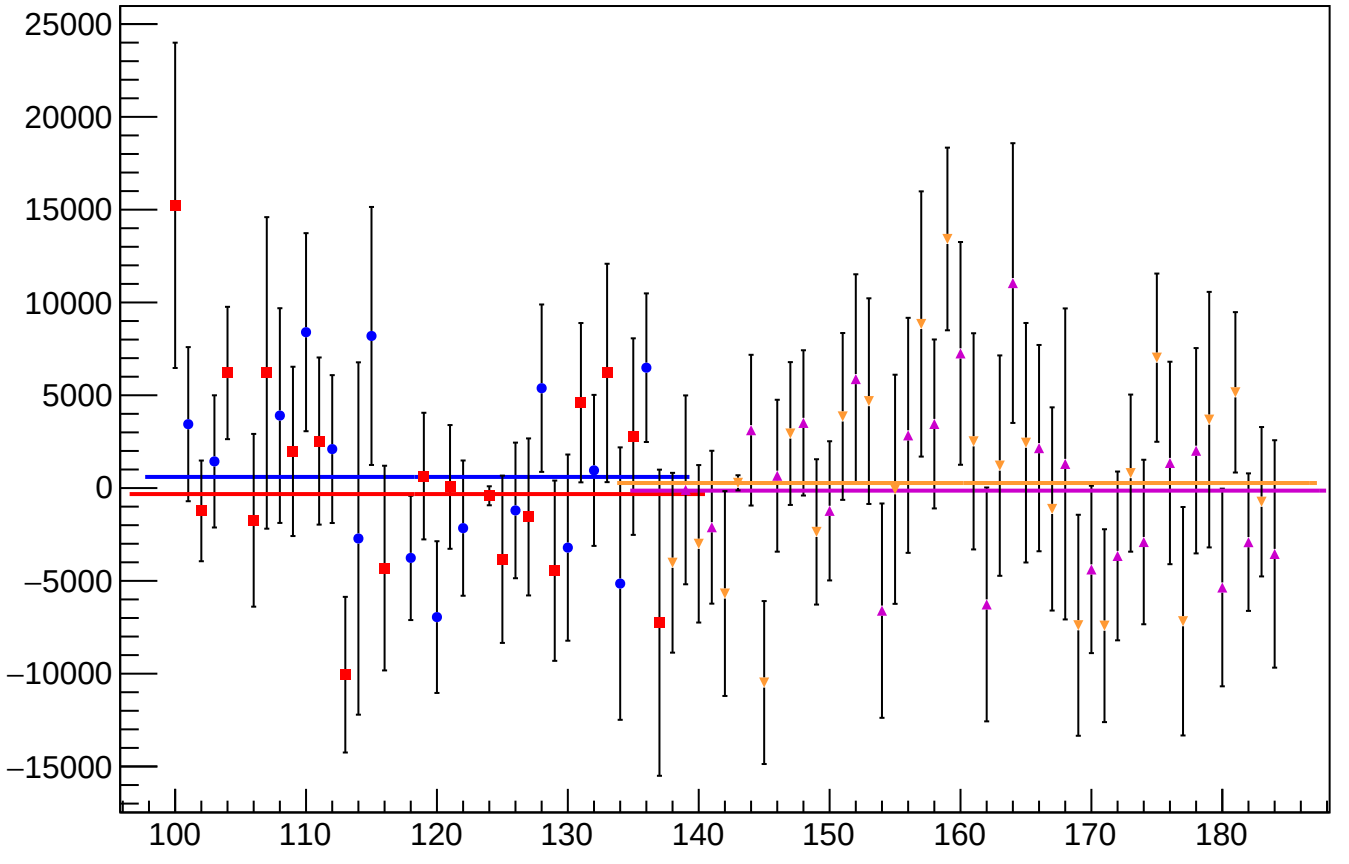
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1824.715+/-0.254 χ^2/NDF: 1021060.9/39

All: 1817.511+/-0.179 χ^2/NDF: 1417654.6/81

- sign 1810.313+/-0.254 χ^2/NDF: 394984.1/41



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

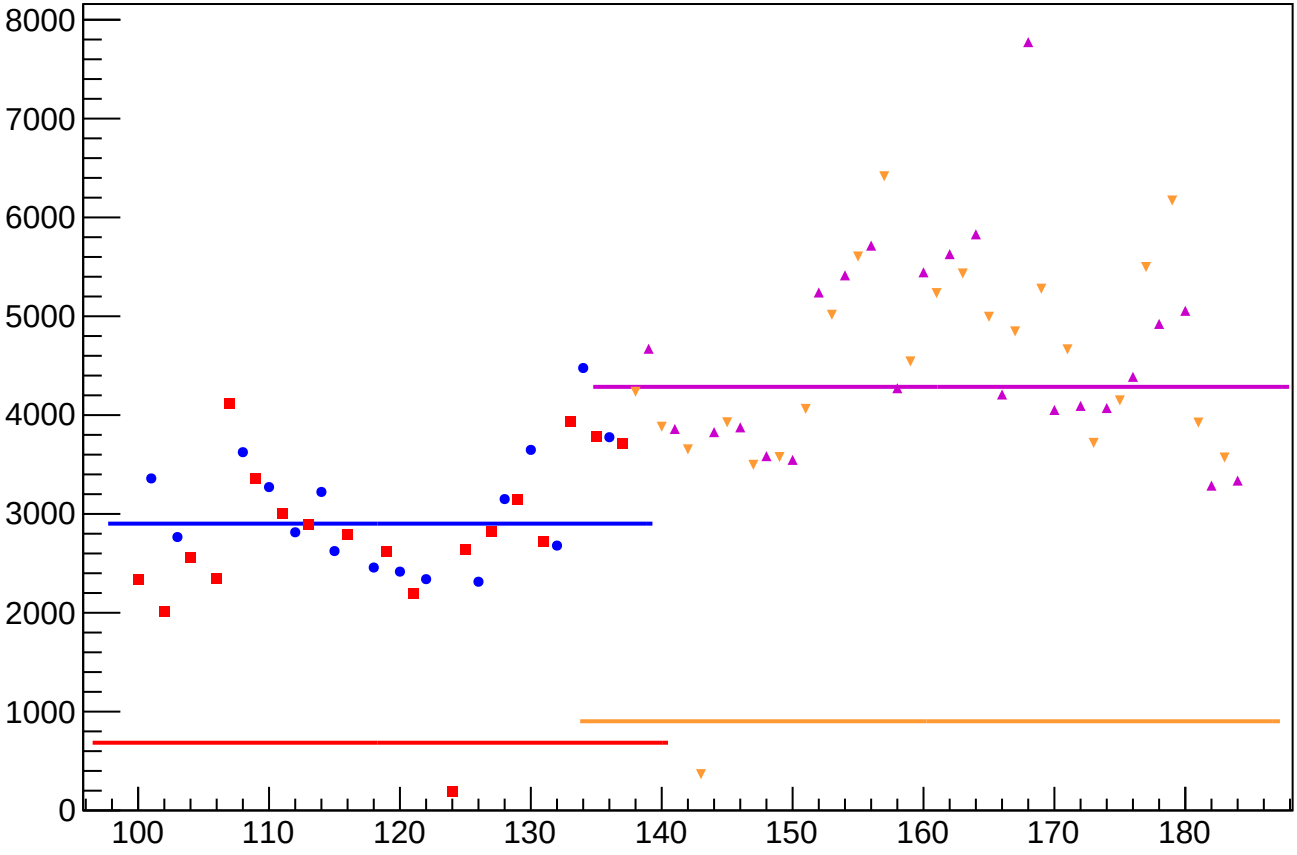
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 307.685+/-359.604 χ^2/NDF: 43.7/39

All: 53.012+/-272.792 χ^2/NDF: 77.9/81

- sign -292.192+/-418.670 χ^2/NDF: 32.9/41

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

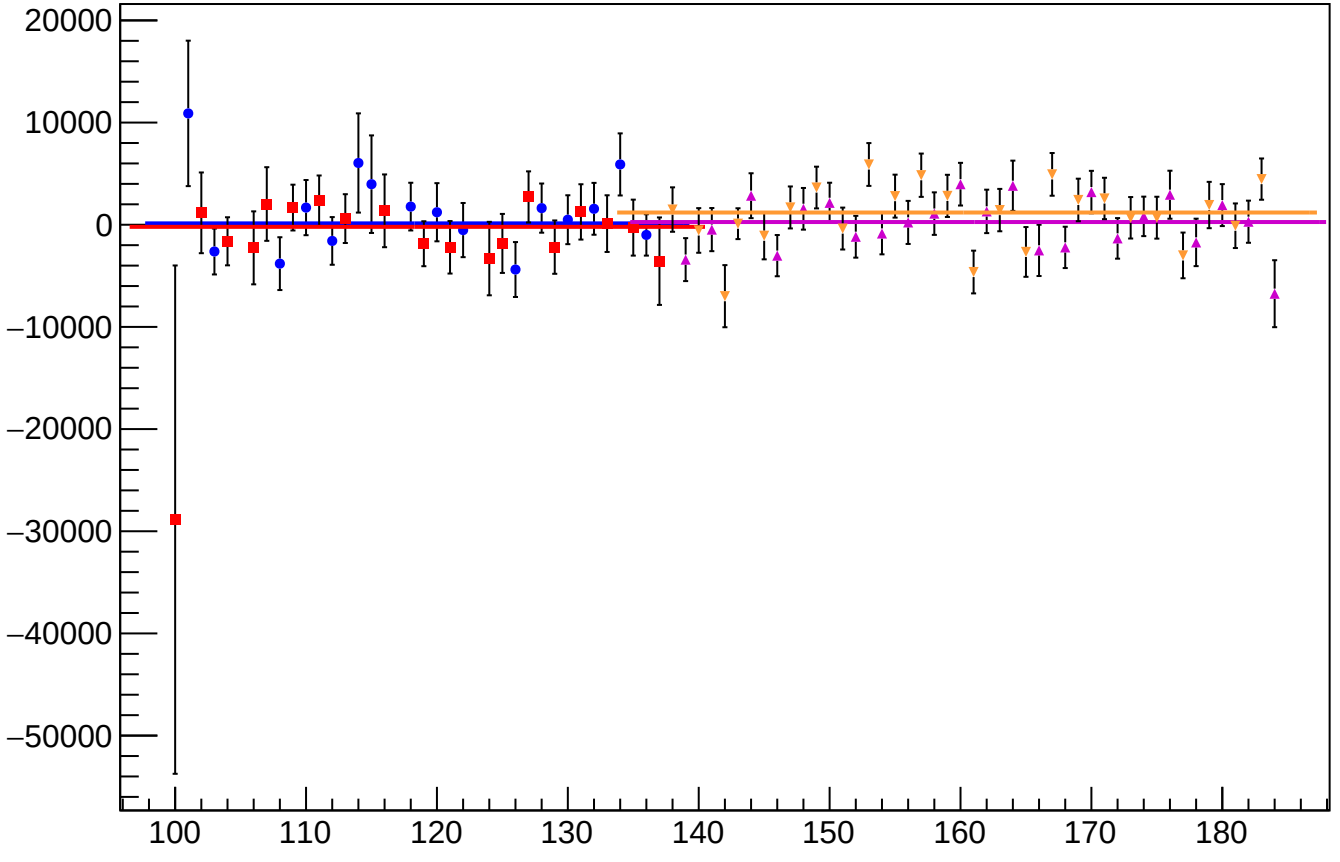
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1116.082+/-0.254 χ^2/NDF: 32865653.2/39

All: 1189.235+/-0.193 χ^2/NDF: 65122051.4/8

- sign 1288.391+/-0.296 χ^2/NDF: 32061451.4/41

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

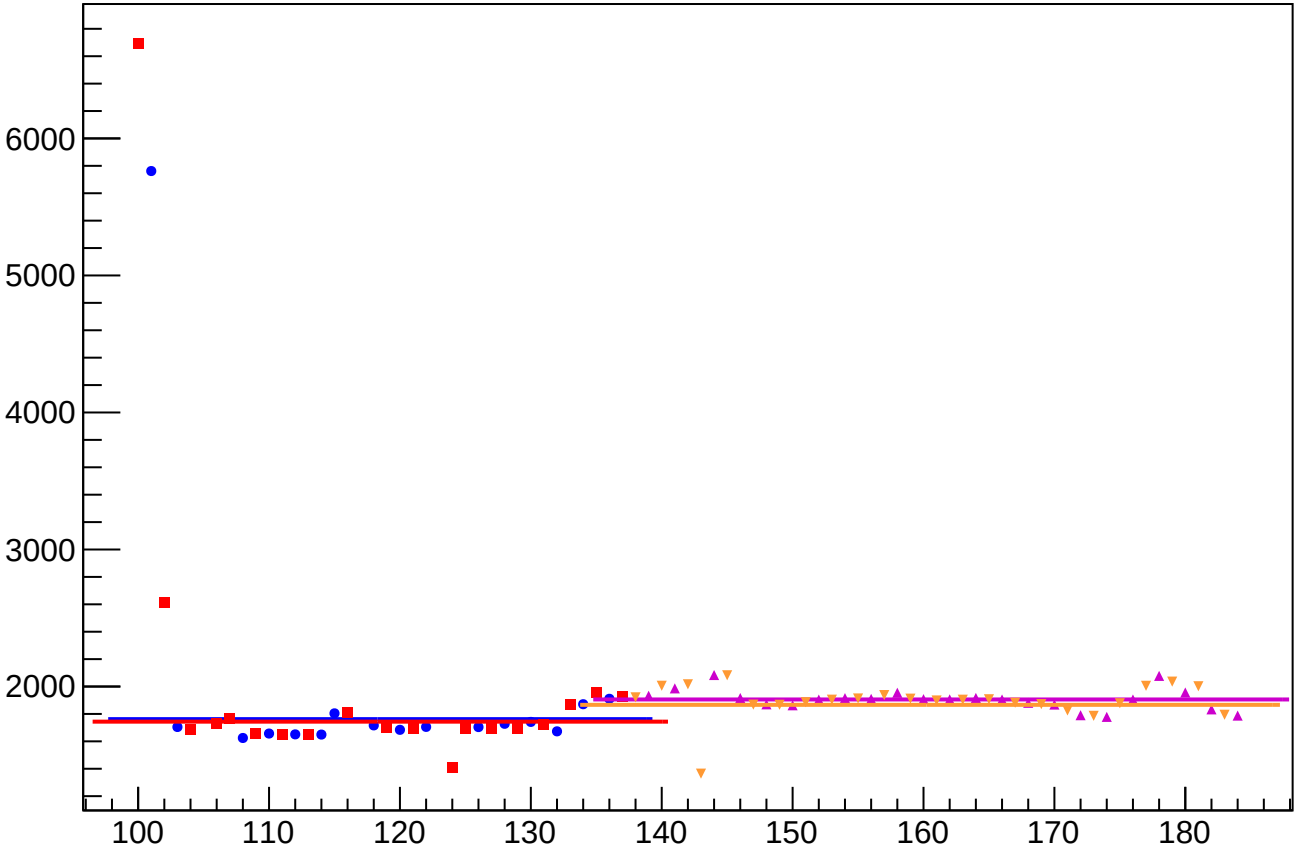
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 888.646+/-361.284 χ^2/NDF: 60.7/39

All: 509.554+/-257.873 χ^2/NDF: 100.7/81

- sign 115.837+/-368.188 χ^2/NDF: 37.7/41

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

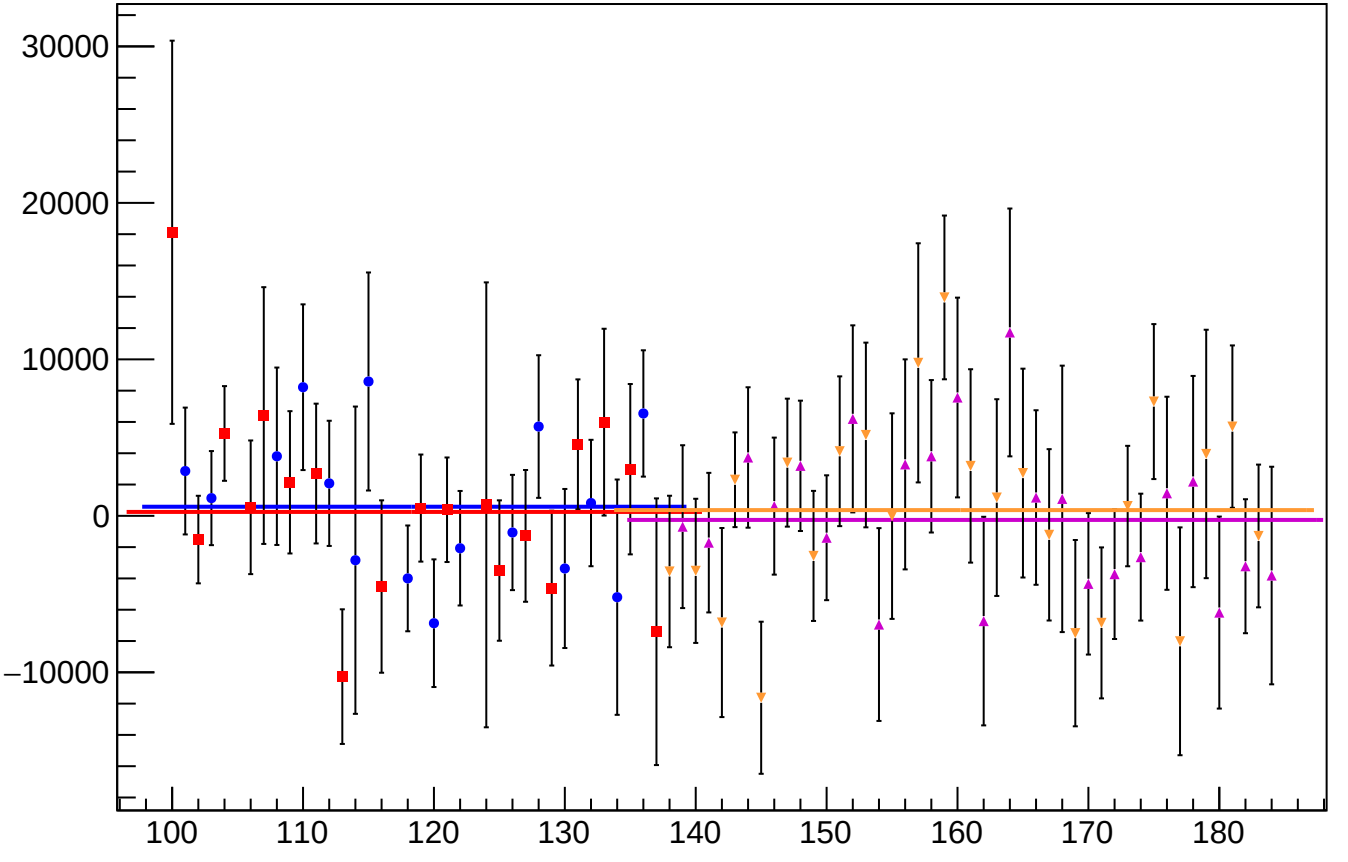
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1836.229+/-0.255 χ^2/NDF: 994913.8/39

All: 1845.043+/-0.182 χ^2/NDF: 1361874.8/81

- sign 1854.180+/-0.260 χ^2/NDF: 364536.6/41

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

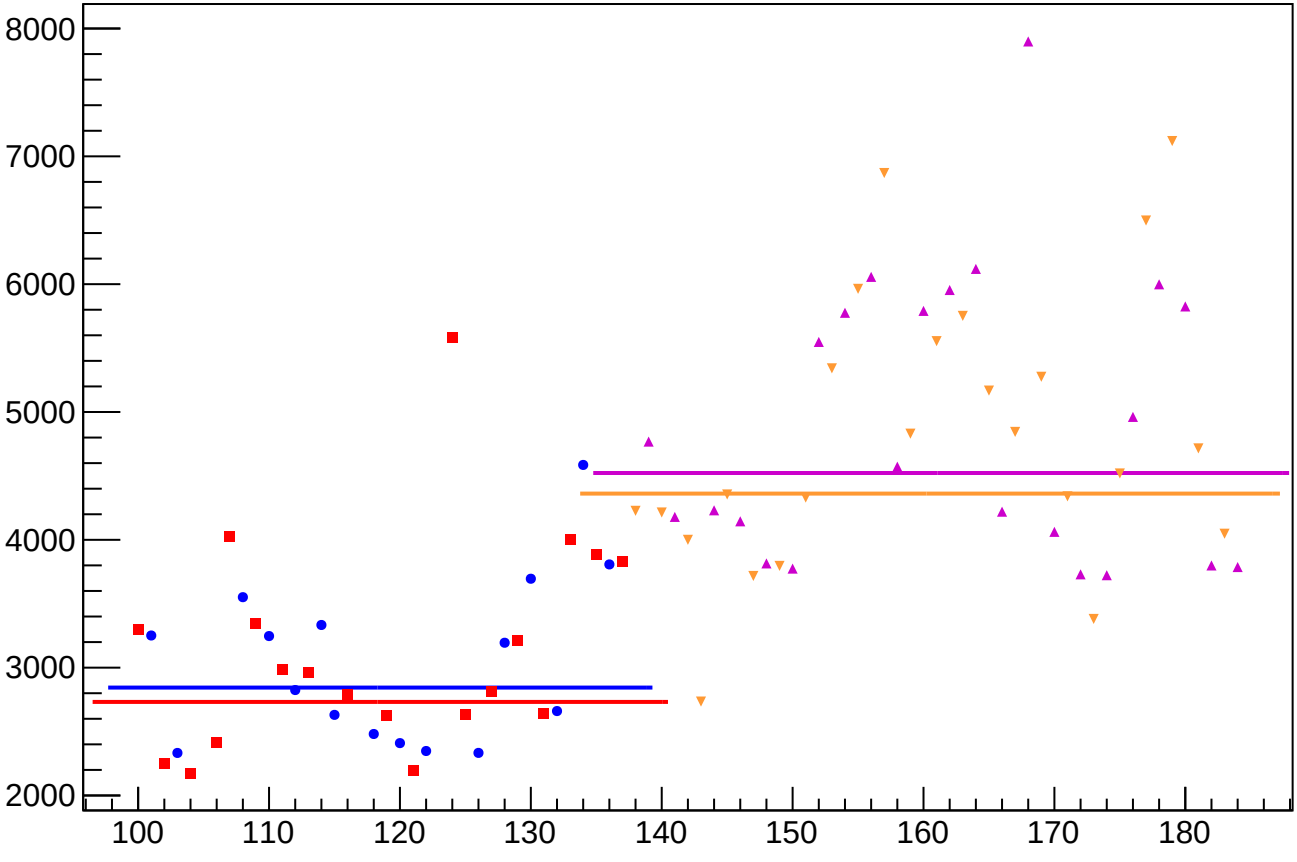
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

\+ sign 469.169+/-745.920 χ^2/NDF: 43.9/39

All: 238.126+/-526.195 χ^2/NDF: 75.7/81

\- sign 9.261+/-742.396 χ^2/NDF: 31.6/41

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

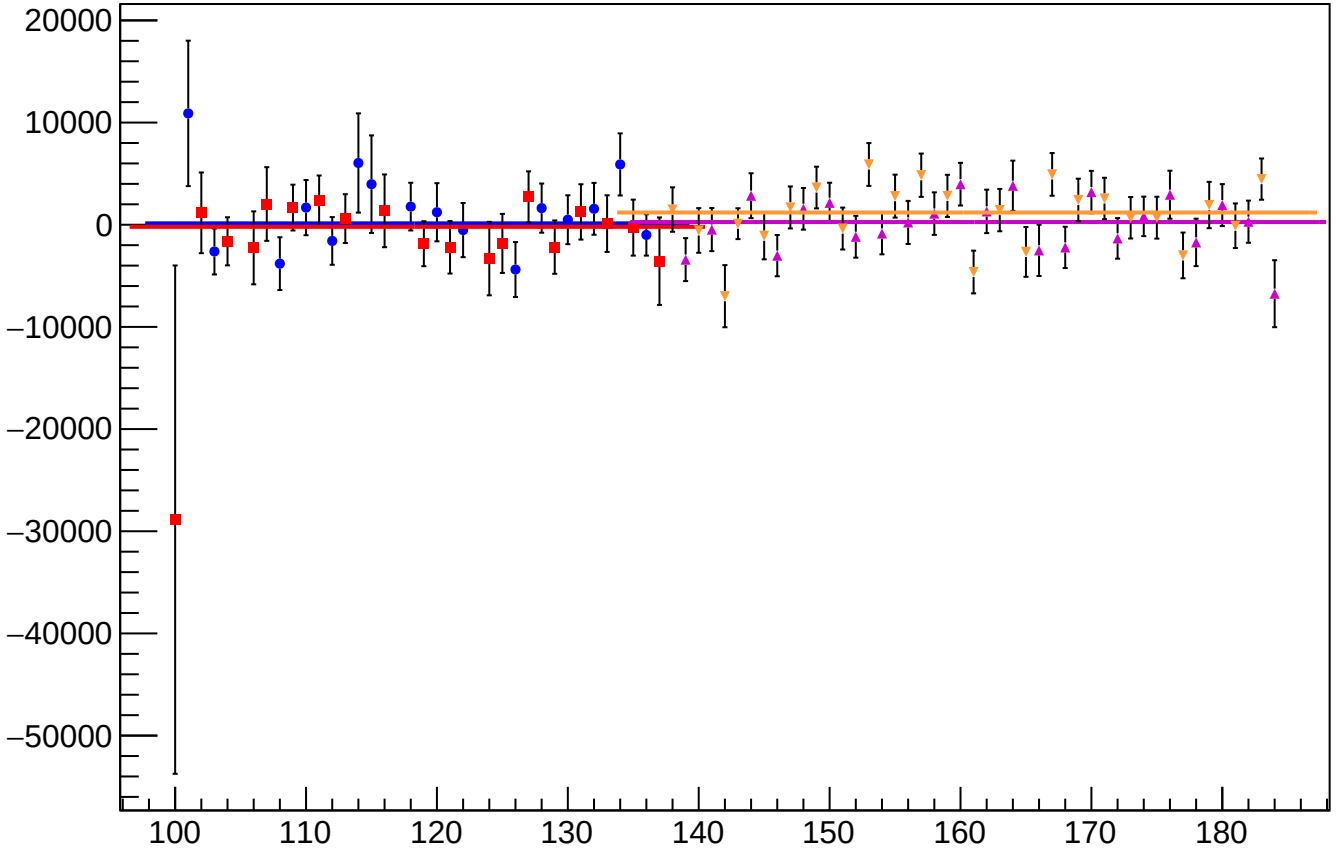
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3639.751+/-0.527 χ^2/NDF: 4515969.9/39

All: 3607.717+/-0.372 χ^2/NDF: 9468369.0/81

- sign 3575.986+/-0.525 χ^2/NDF: 4945056.8/41

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

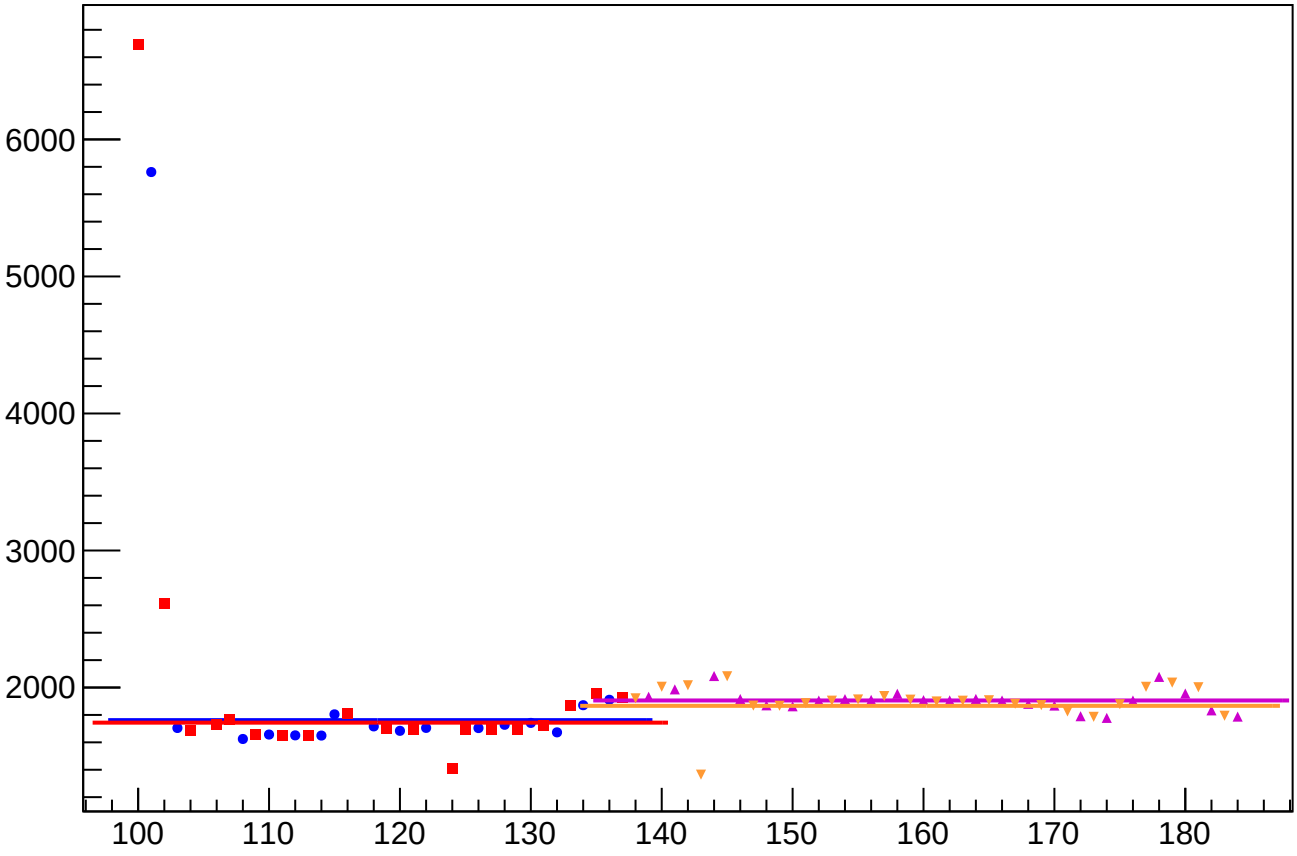
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 888.646+/-361.284 χ^2/NDF: 60.7/39

All: 509.555+/-257.873 χ^2/NDF: 100.7/81

- sign 115.837+/-368.188 χ^2/NDF: 37.7/41

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

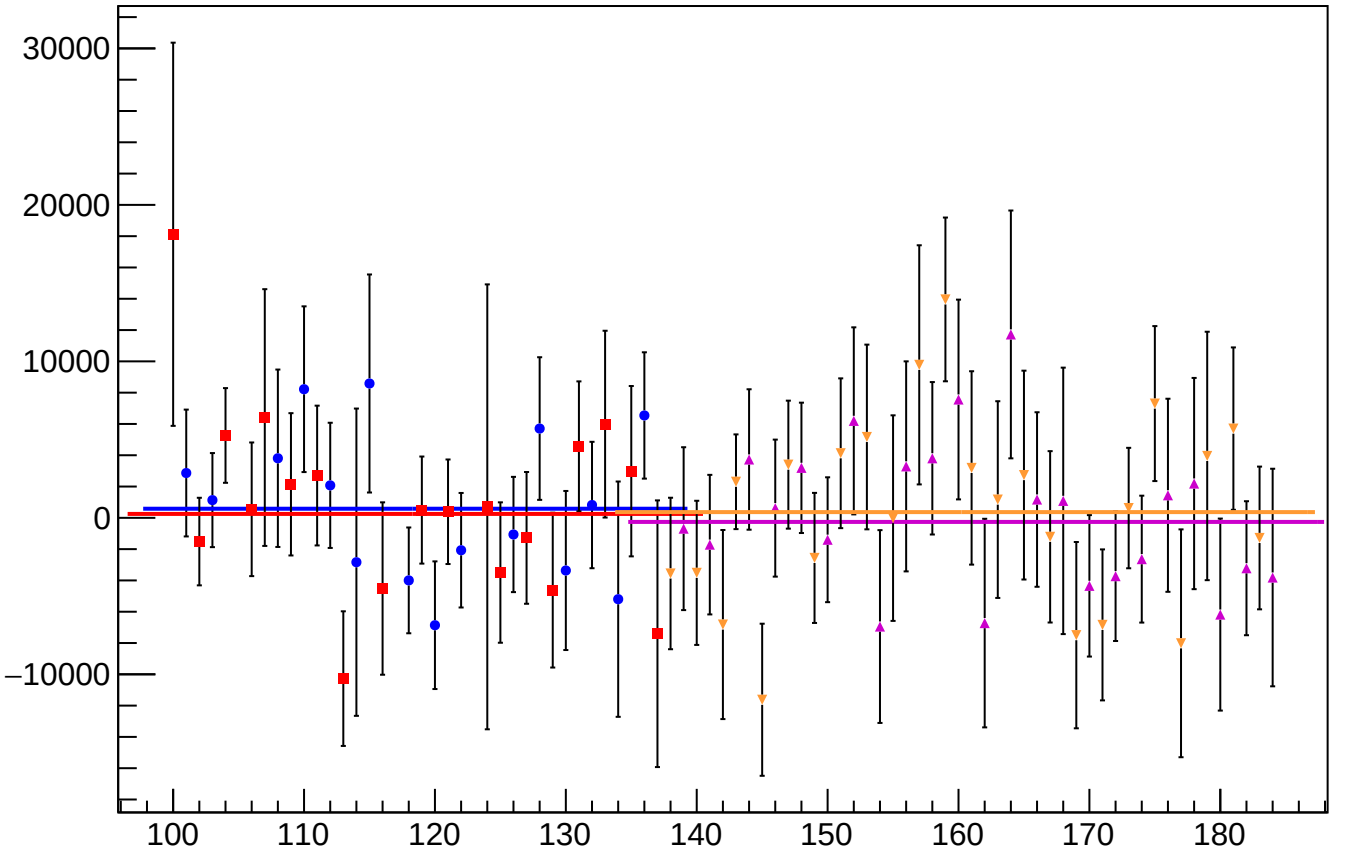
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1836.229+/-0.255 χ^2/NDF: 994917.8/39

All: 1845.043+/-0.182 χ^2/NDF: 1361882.3/81

- sign 1854.181+/-0.260 χ^2/NDF: 364540.0/41



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

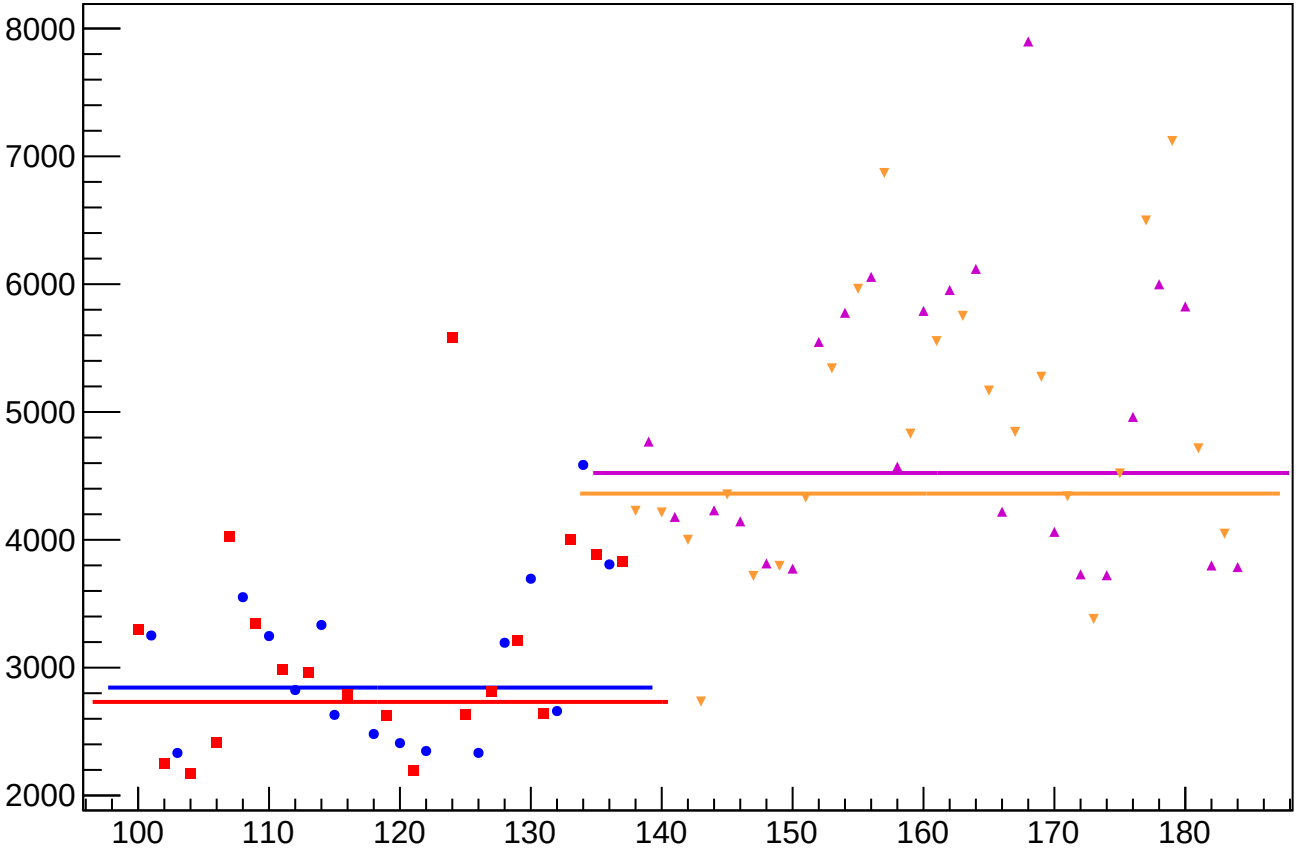
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

\+ sign 469.169+/-745.920 χ^2/NDF: 43.9/39

All: 238.126+/-526.195 χ^2/NDF: 75.7/81

\- sign 9.262+/-742.396 χ^2/NDF: 31.6/41

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



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

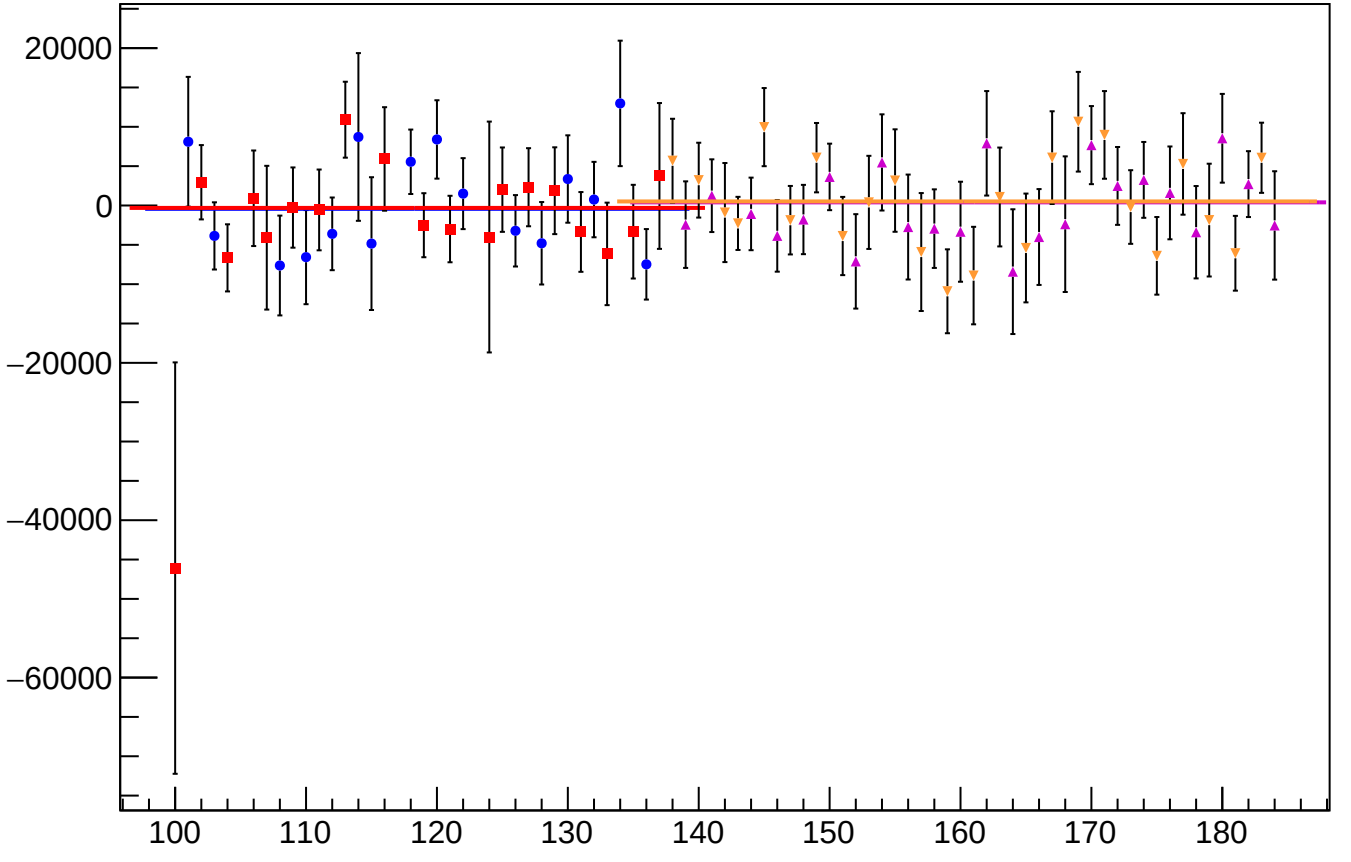
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3639.748+/-0.527 χ^2/NDF: 4516019.9/39

All: 3607.714+/-0.372 χ^2/NDF: 9468461.3/81

- sign 3575.983+/-0.525 χ^2/NDF: 4945099.1/41

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

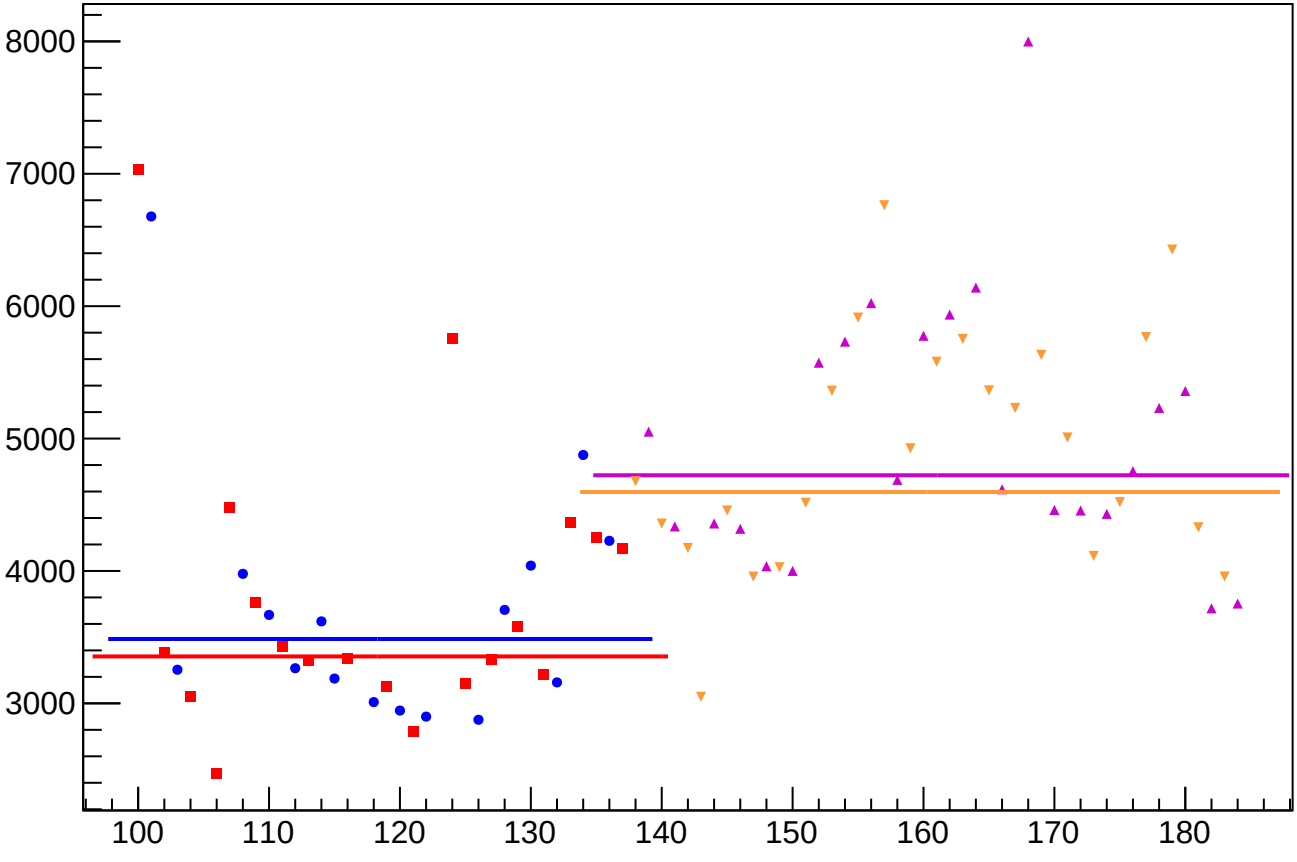
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 143.153+/-835.248 χ^2/NDF: 46.9/39

All: 116.944+/-593.059 χ^2/NDF: 76.6/81

- sign 90.296+/-842.221 χ^2/NDF: 29.7/41

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

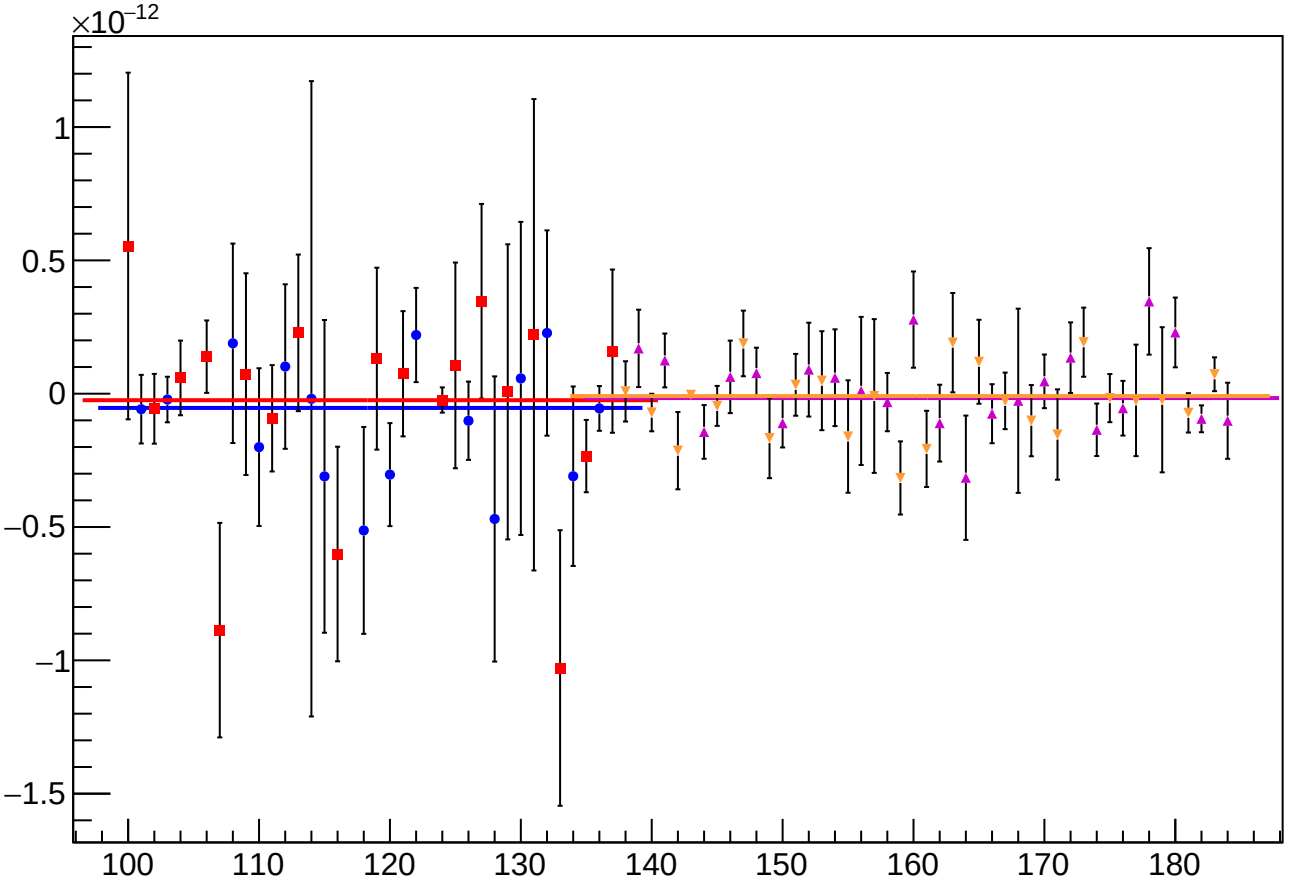
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4156.803+/-0.591 χ^2/NDF: 2739887.9/39

All: 4136.966+/-0.418 χ^2/NDF: 5454336.1/81

- sign 4117.043+/-0.592 χ^2/NDF: 2712187.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.4/23

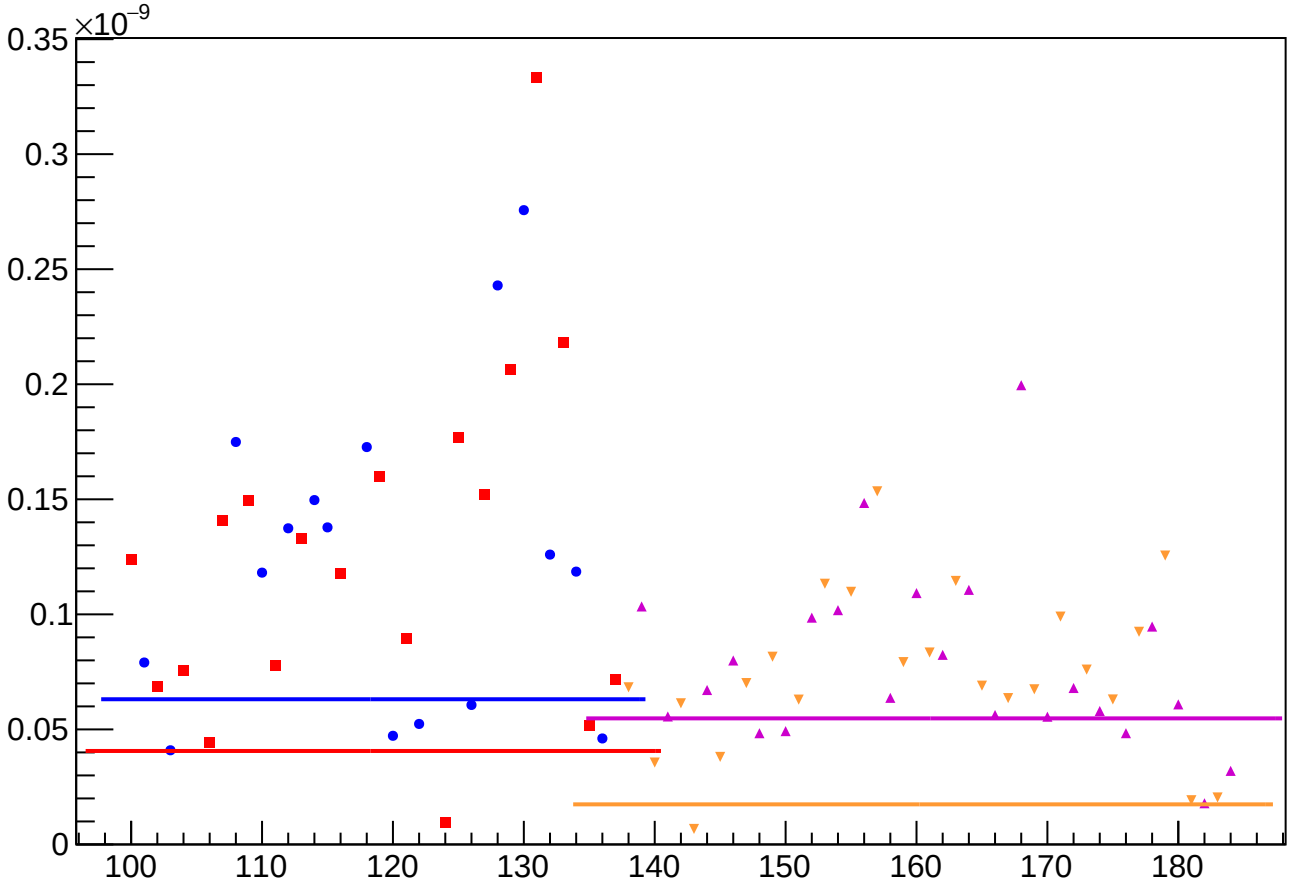
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/39

All: -0.000+/-0.000 χ^2/NDF: 76.5/81

- sign -0.000+/-0.000 χ^2/NDF: 44.4/41



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

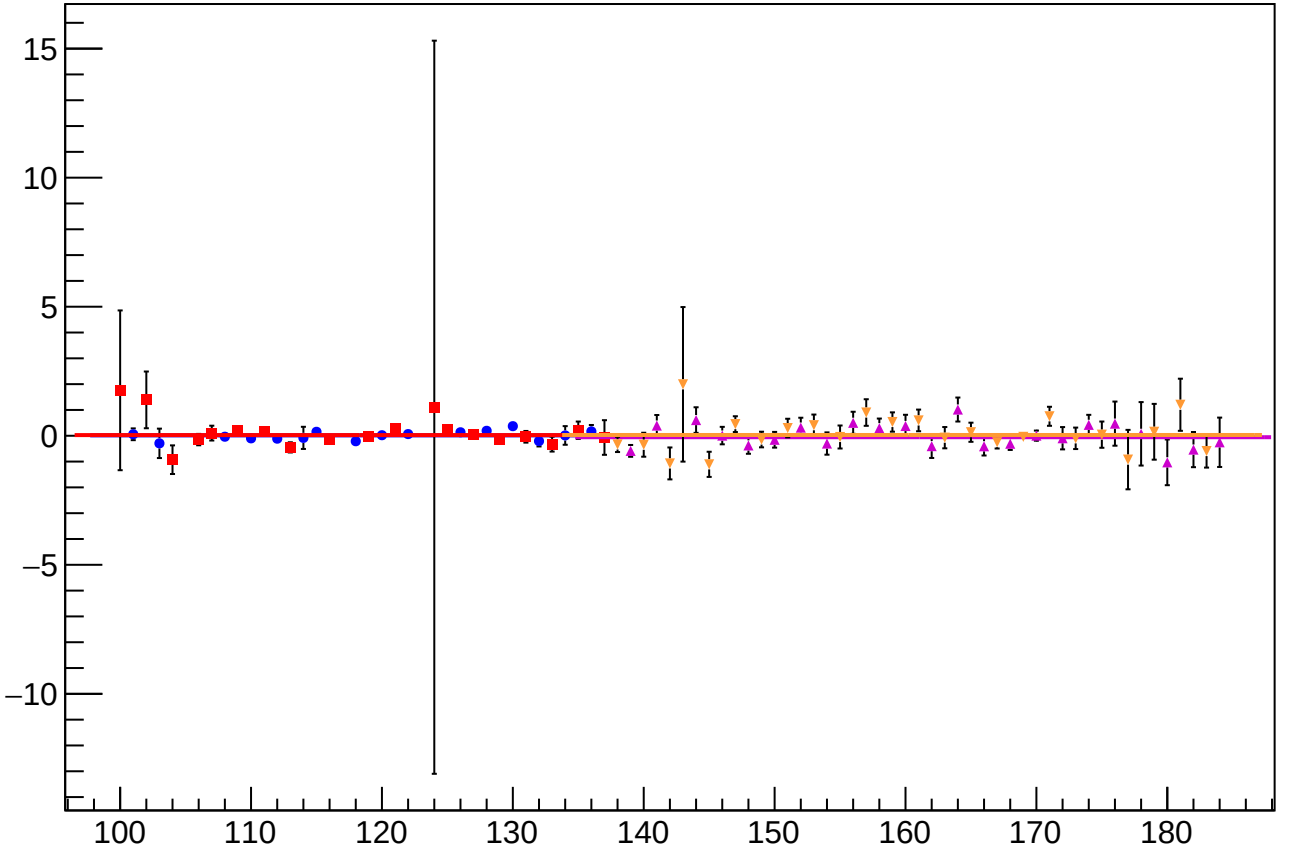
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12268811.0/39

All: 0.000+/-0.000 χ^2/NDF: 22000919.5/81

- sign 0.000+/-0.000 χ^2/NDF: 6188552.7/41

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

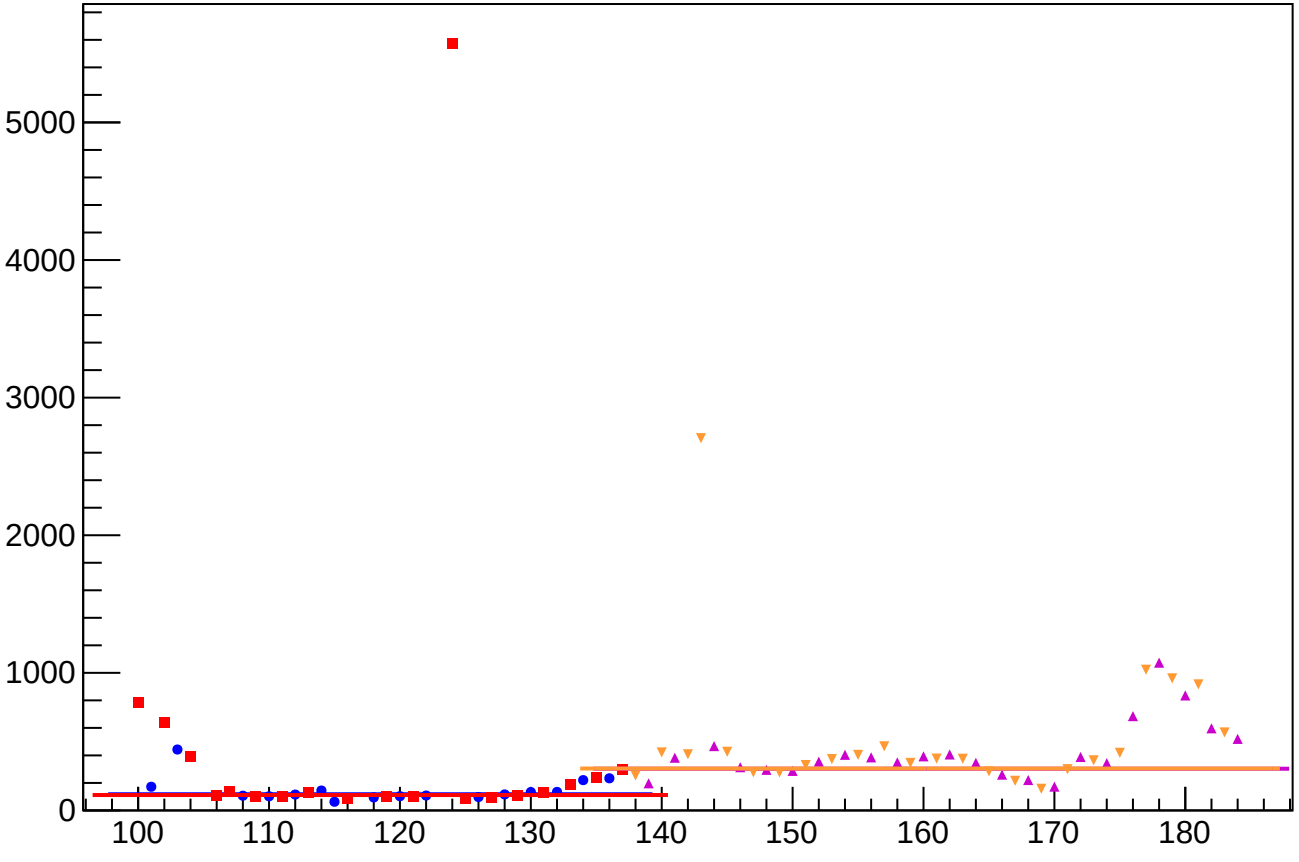
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.019+/-0.041 χ^2/NDF: 41.8/39

All: 0.011+/-0.029 χ^2/NDF: 90.8/81

- sign 0.004+/-0.040 χ^2/NDF: 49.0/41

asym_atr1l2_dd_dit_vs_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

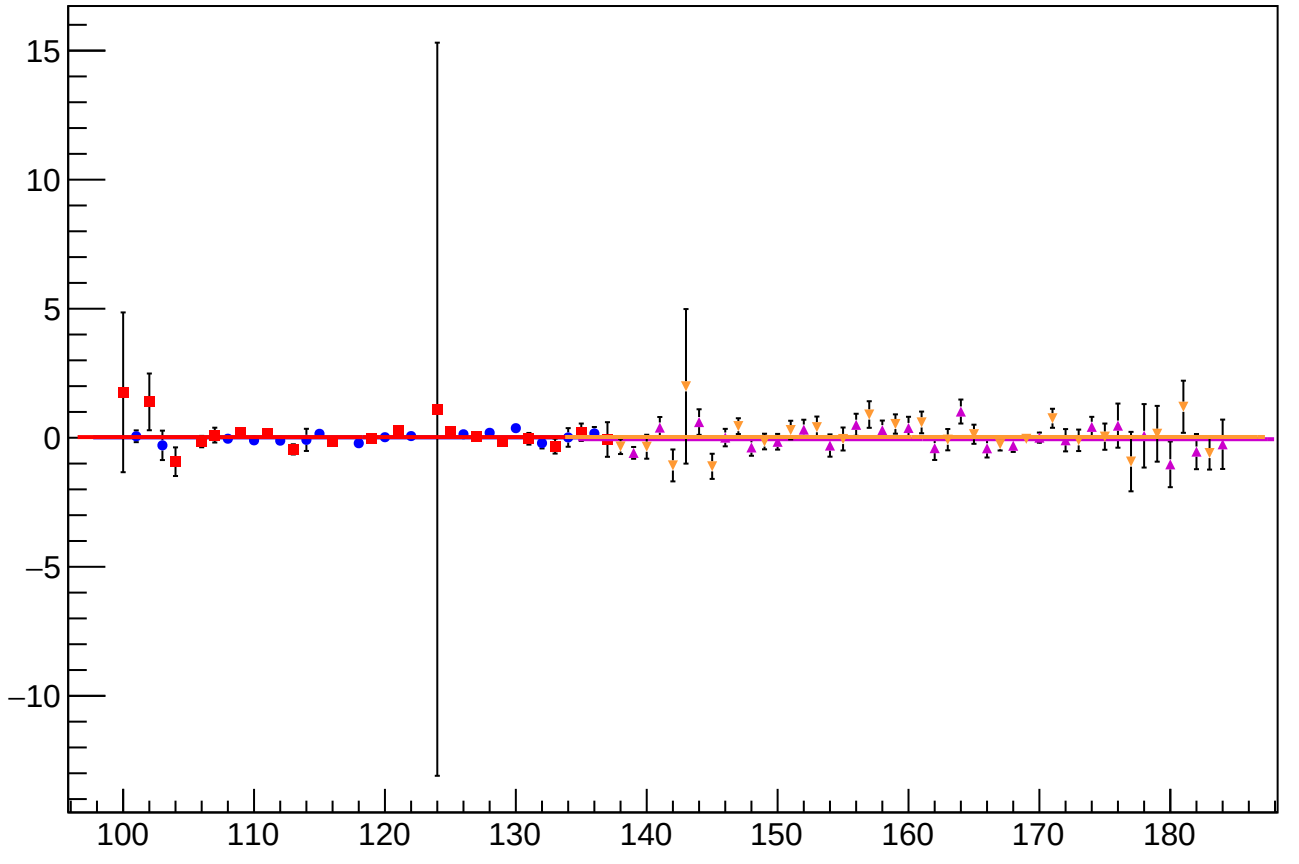
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 168.694+/-0.029 χ^2/NDF: 16607593.8/39

All: 166.026+/-0.020 χ^2/NDF: 32568557.1/81

- sign 163.460+/-0.028 χ^2/NDF: 15944219.8/41



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

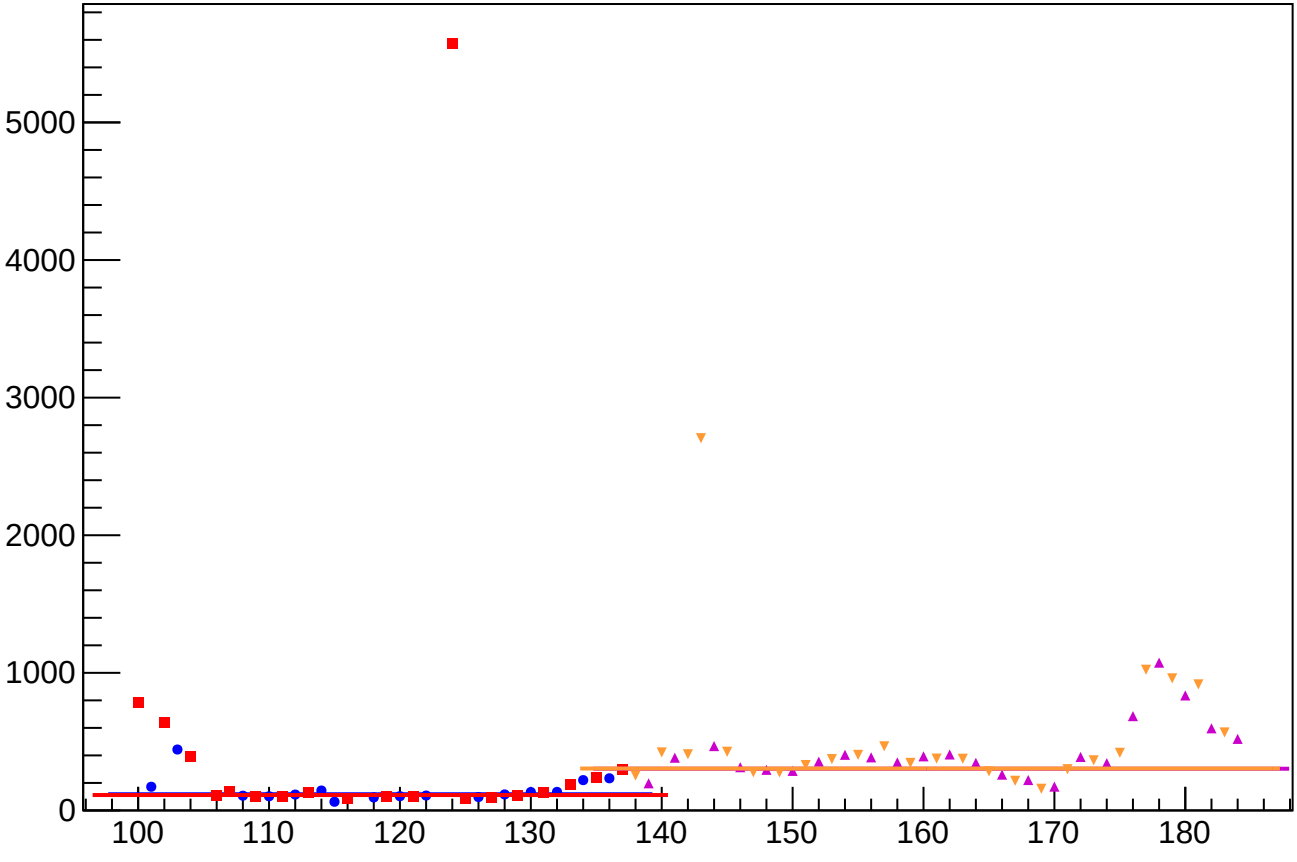
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.019+/-0.041 χ^2/NDF: 41.8/39

All: 0.011+/-0.029 χ^2/NDF: 90.8/81

- sign 0.004+/-0.040 χ^2/NDF: 49.0/41

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

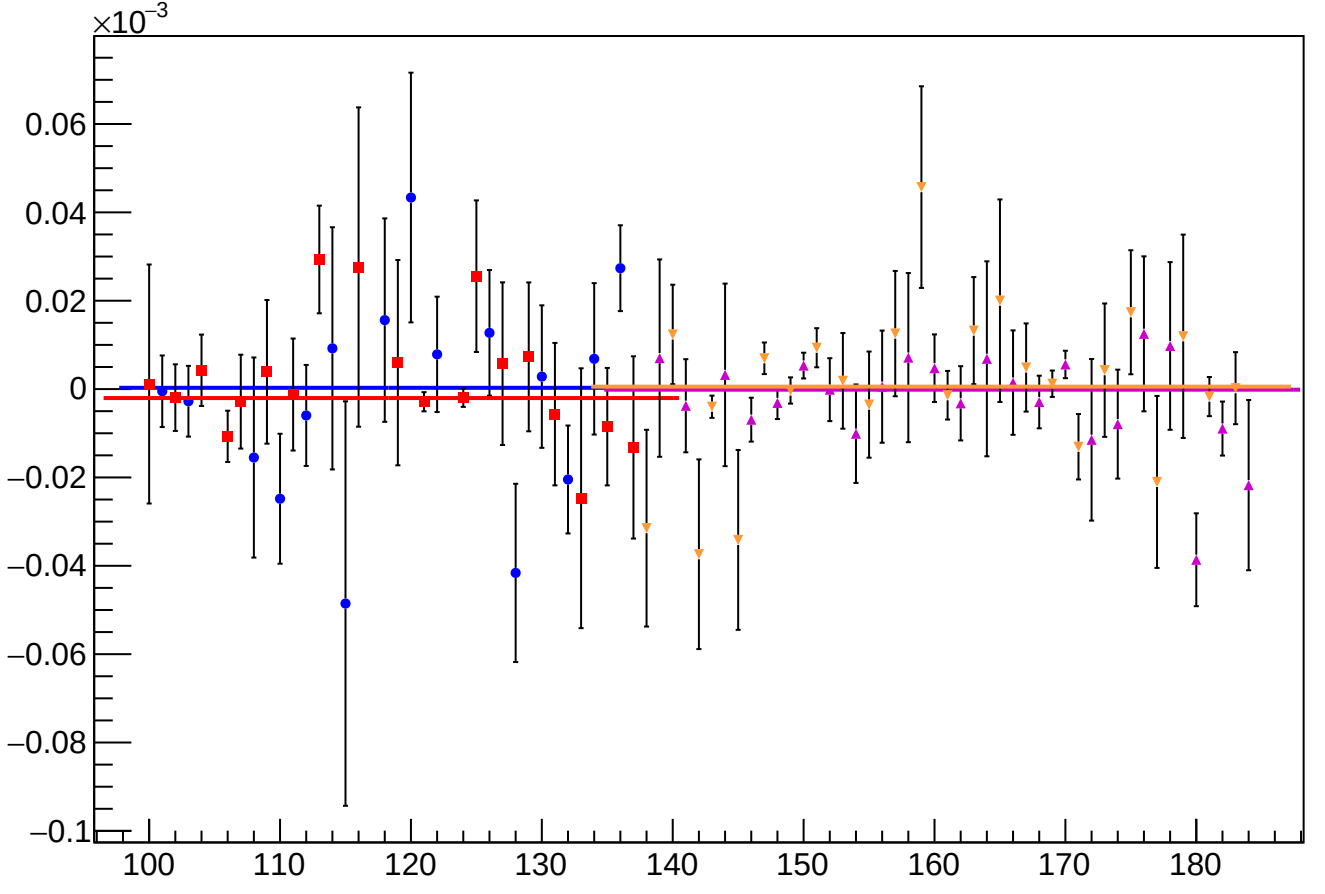
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 168.694+/-0.029 χ^2/NDF: 16607593.8/39

All: 166.026+/-0.020 χ^2/NDF: 32568557.1/81

- sign 163.460+/-0.028 χ^2/NDF: 15944219.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/23

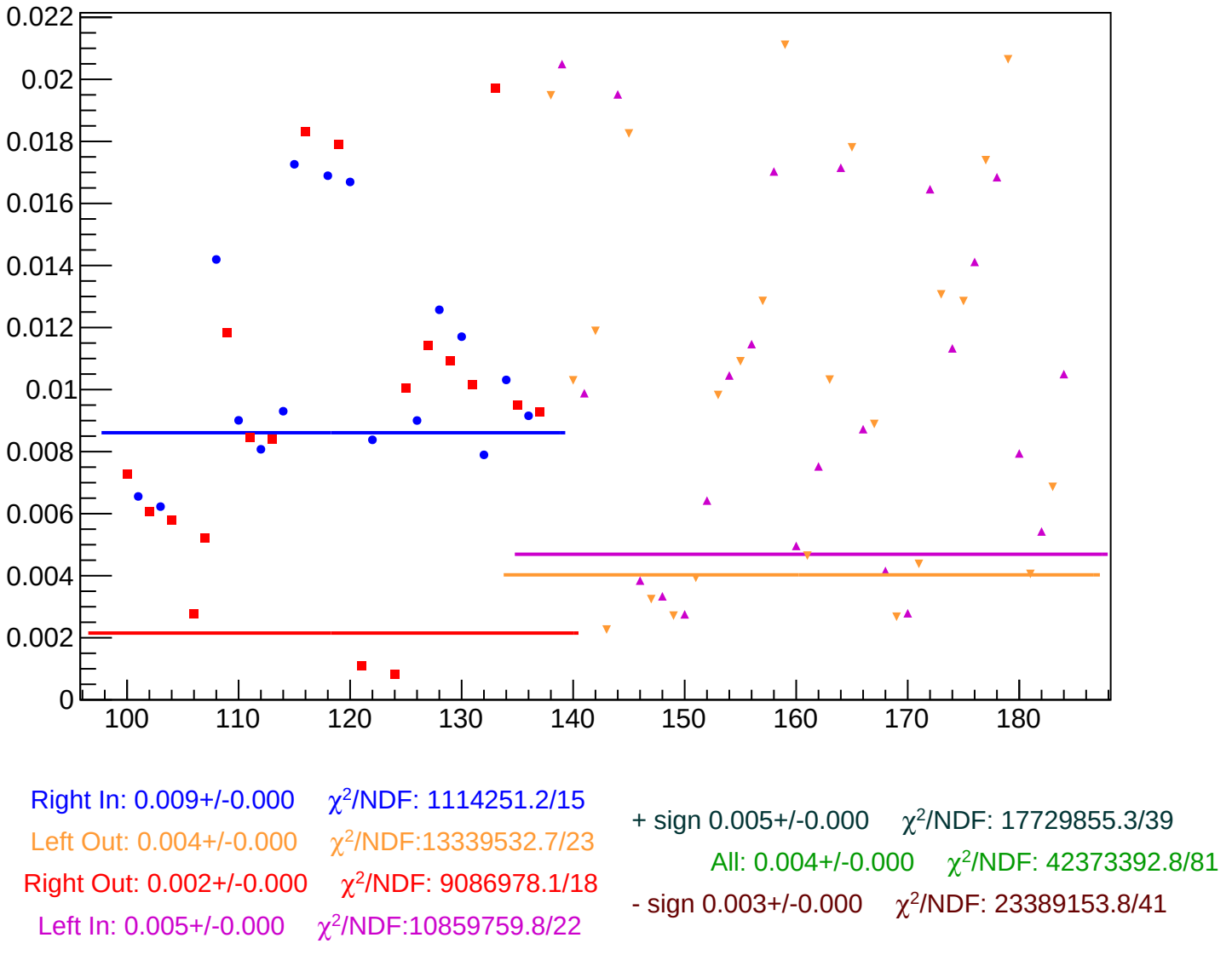
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

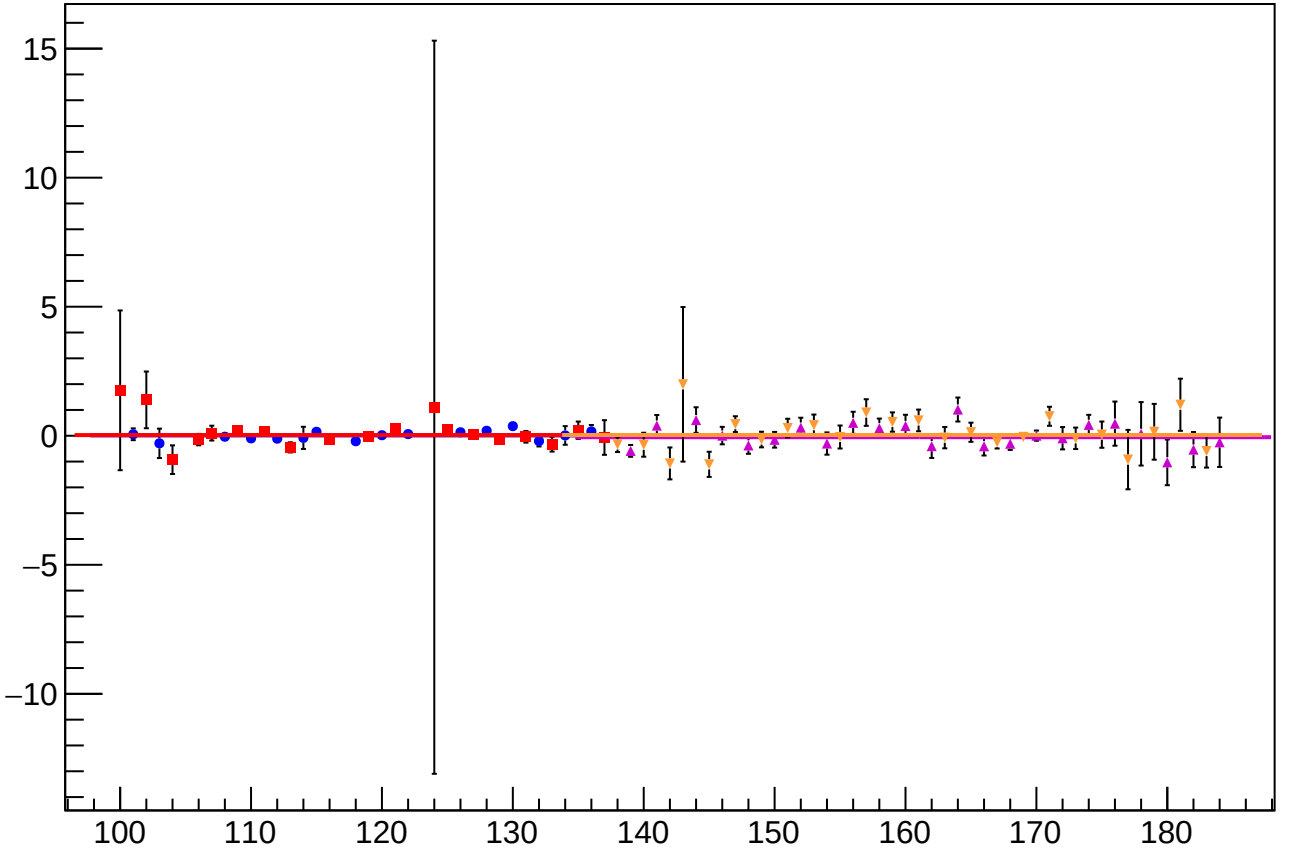
+ sign 0.000+/-0.000 χ^2/NDF: 57.4/39

All: -0.000+/-0.000 χ^2/NDF: 104.2/81

- sign -0.000+/-0.000 χ^2/NDF: 45.6/41


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.009+/-0.000 χ²/NDF: 1114251.2/15
Left Out: 0.004+/-0.000 χ²/NDF:13339532.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 9086978.1/18
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.005+/-0.000 χ²/NDF: 17729855.3/39
All: 0.004+/-0.000 χ²/NDF: 42373392.8/81
- sign 0.003+/-0.000 χ²/NDF: 23389153.8/41

asym_atr1l2_dd_eigen_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

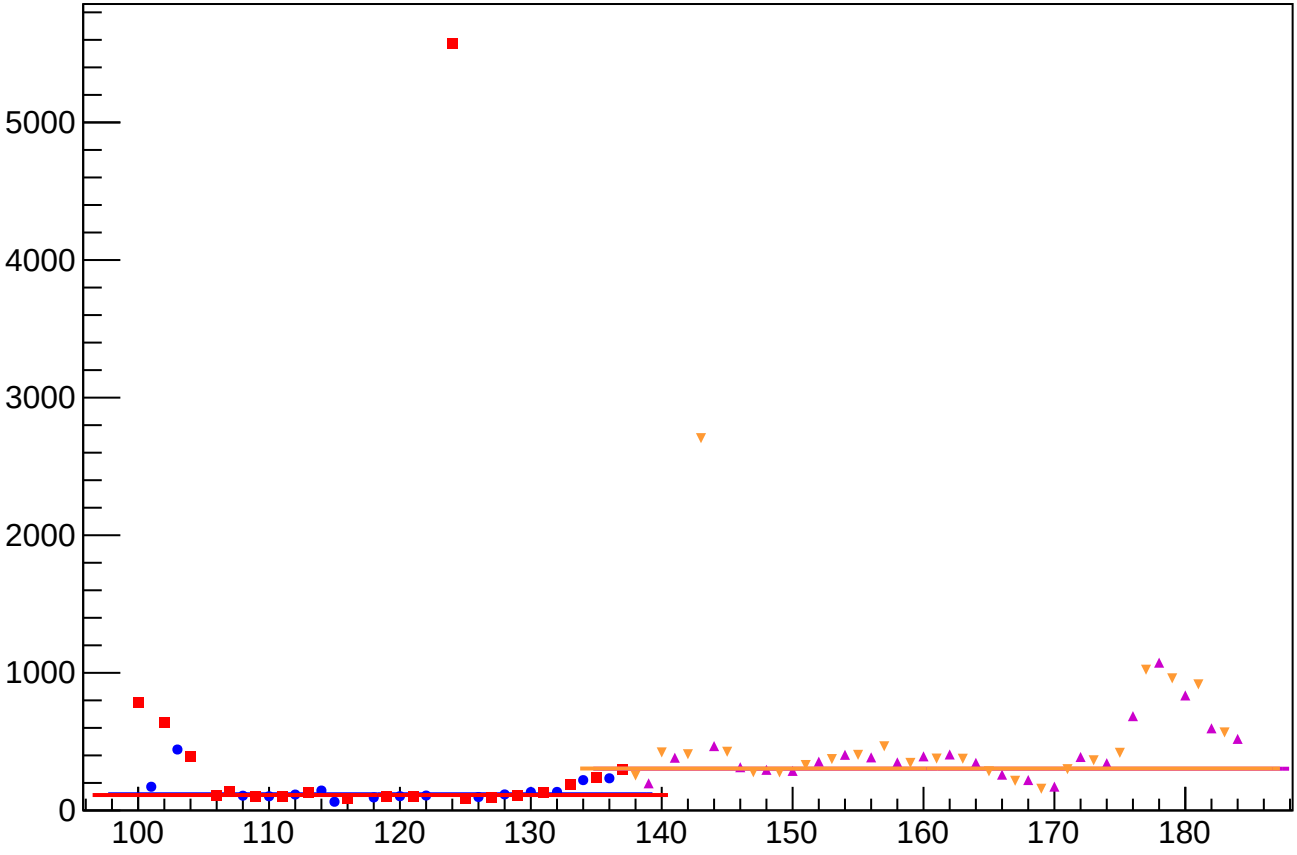
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.019+/-0.041 χ^2/NDF: 41.8/39

All: 0.011+/-0.029 χ^2/NDF: 90.8/81

- sign 0.004+/-0.040 χ^2/NDF: 49.0/41

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

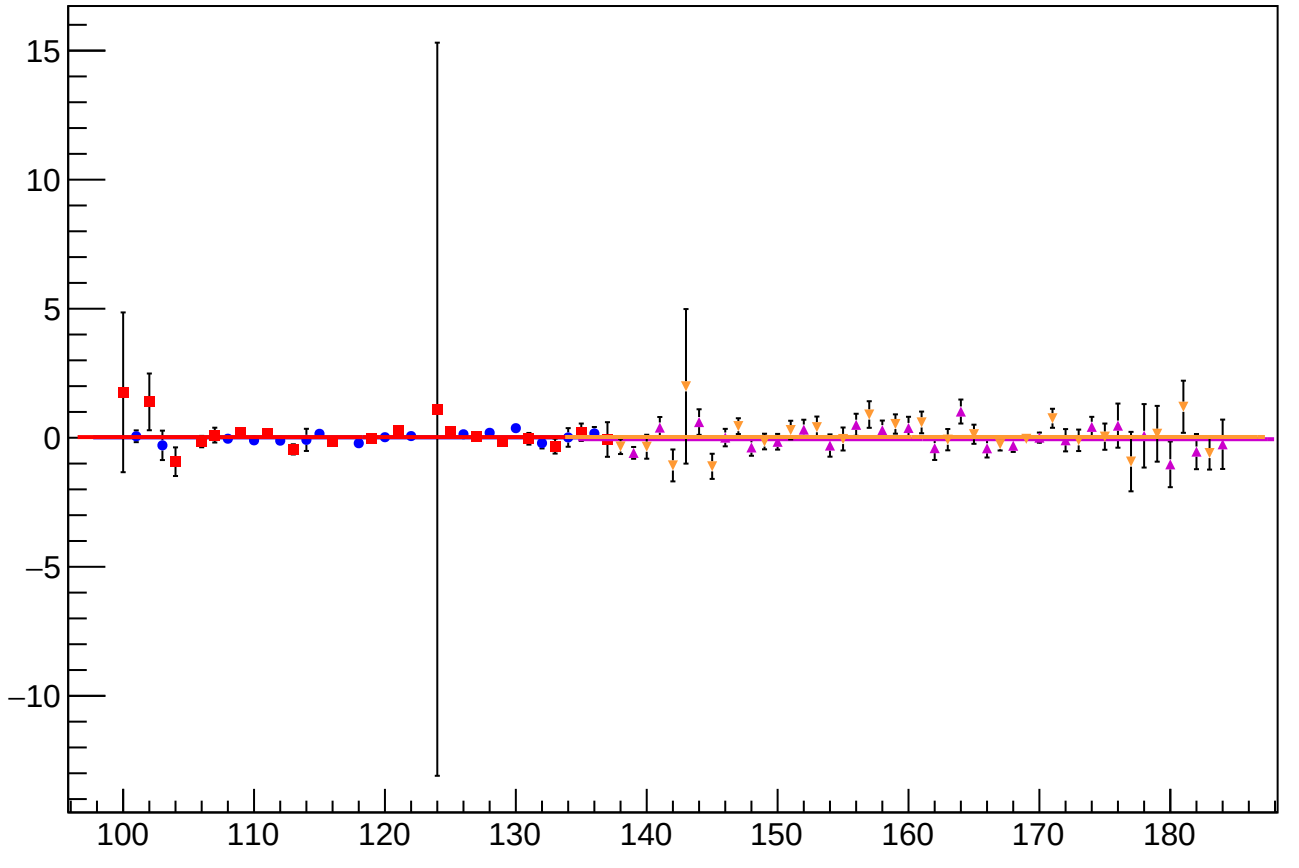
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 168.694+/-0.029 χ^2/NDF: 16607698.2/39

All: 166.028+/-0.020 χ^2/NDF: 32568506.8/81

- sign 163.462+/-0.028 χ^2/NDF: 15944078.6/41



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.030+/-0.078 χ^2/NDF:29.9/23

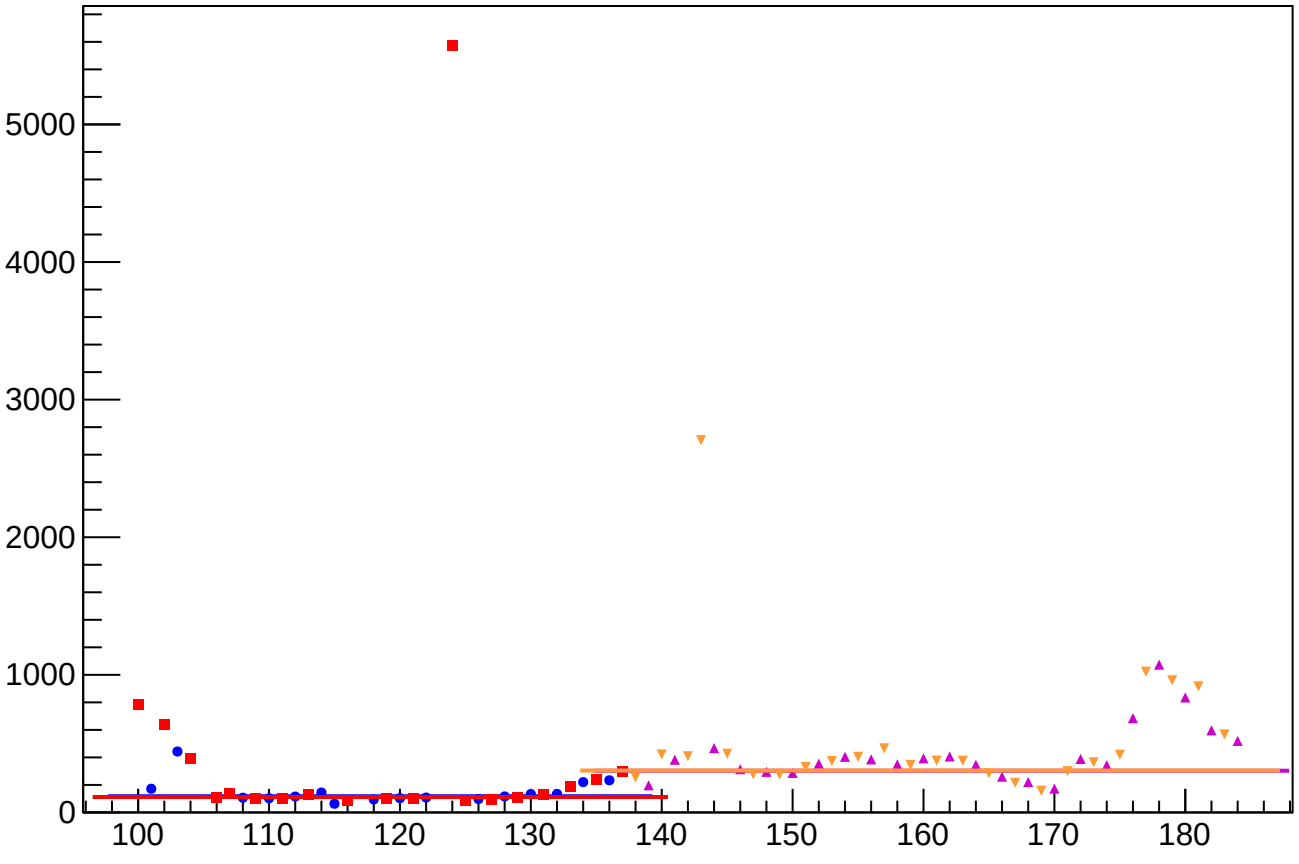
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.019+/-0.041 χ^2/NDF: 41.8/39

All: 0.011+/-0.029 χ^2/NDF: 90.8/81

- sign 0.004+/-0.040 χ^2/NDF: 49.0/41



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 304.733+/-0.055 χ^2/NDF:6558762.4/23

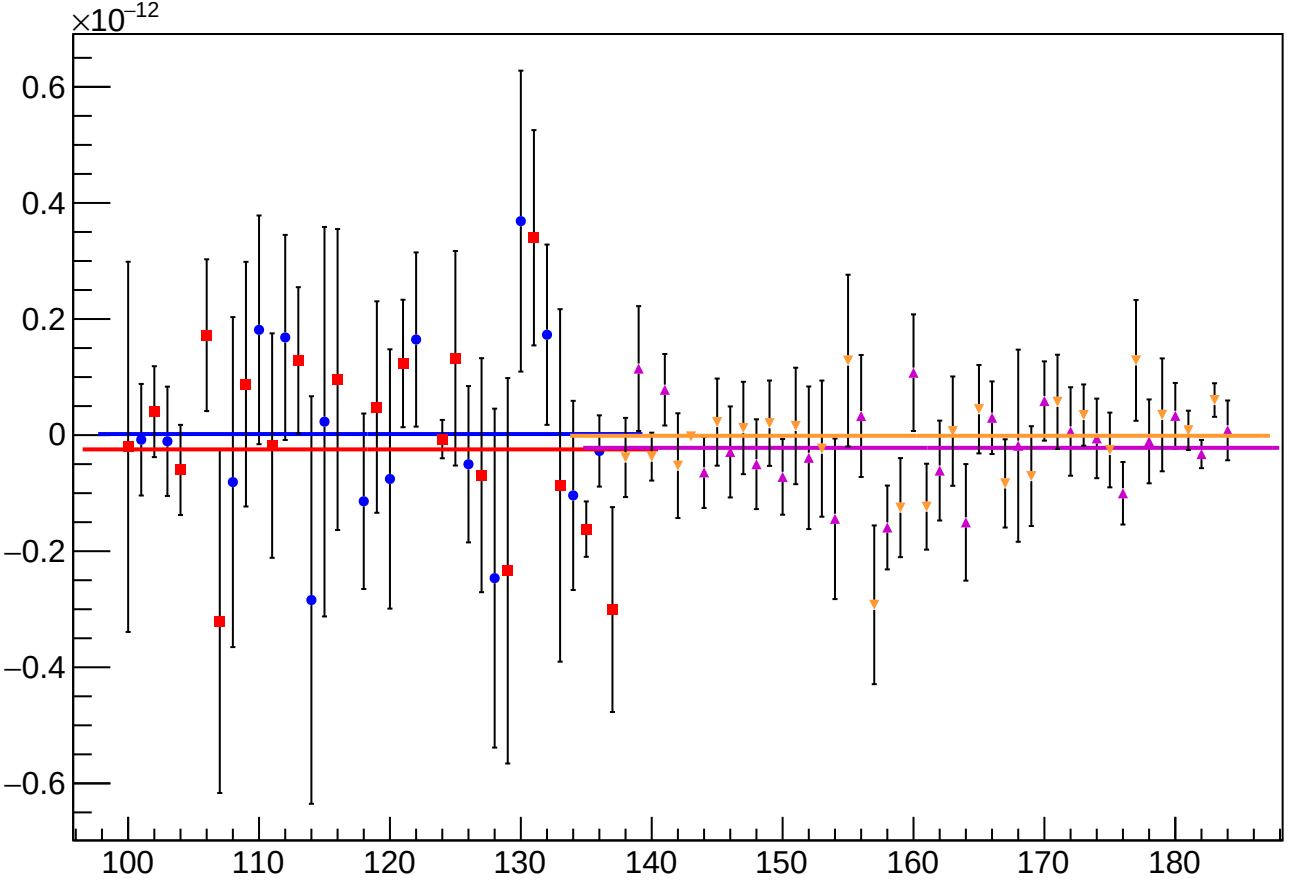
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 168.694+/-0.029 χ^2/NDF: 16607698.2/39

All: 166.028+/-0.020 χ^2/NDF: 32568506.8/81

- sign 163.462+/-0.028 χ^2/NDF: 15944078.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/23

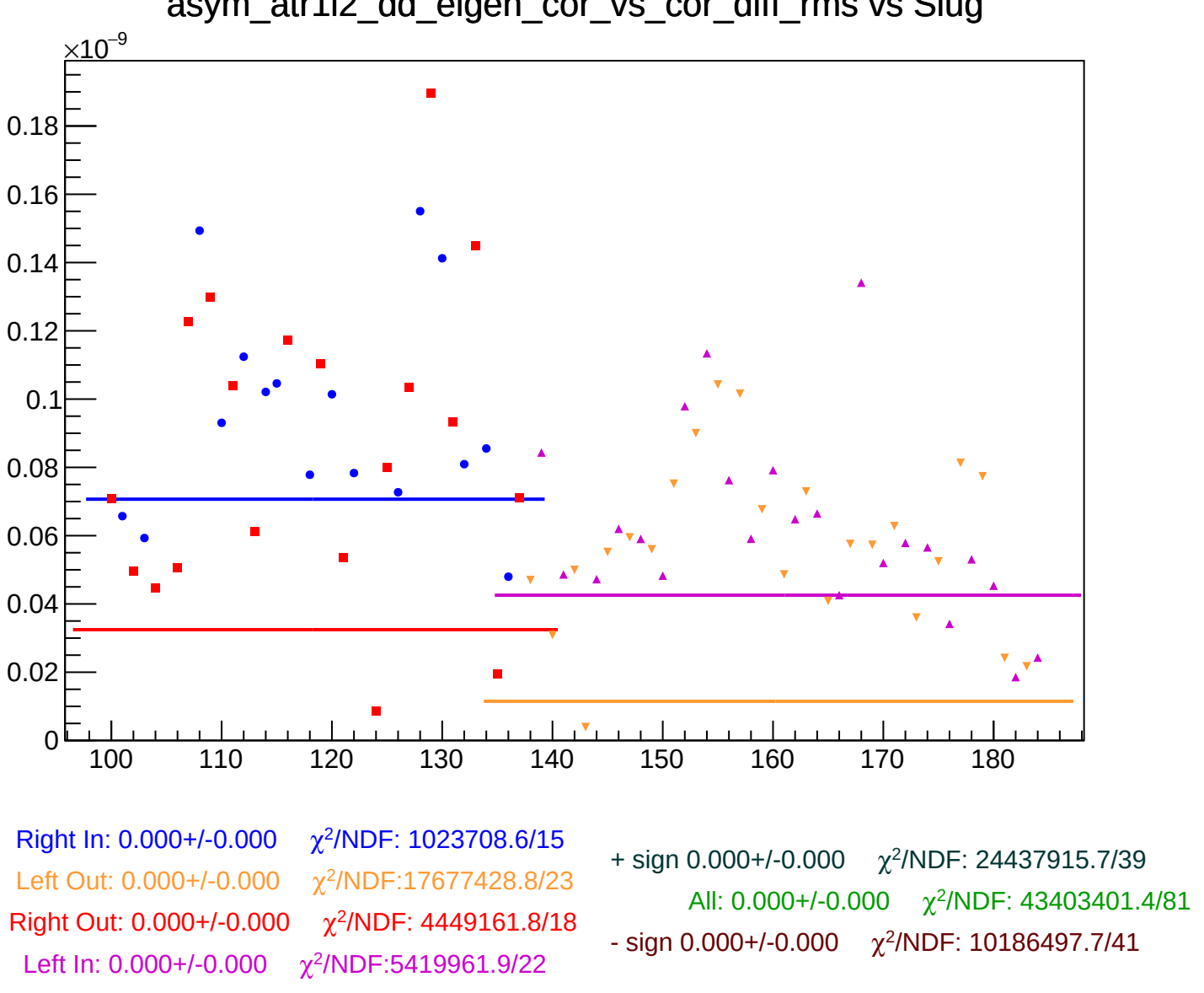
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

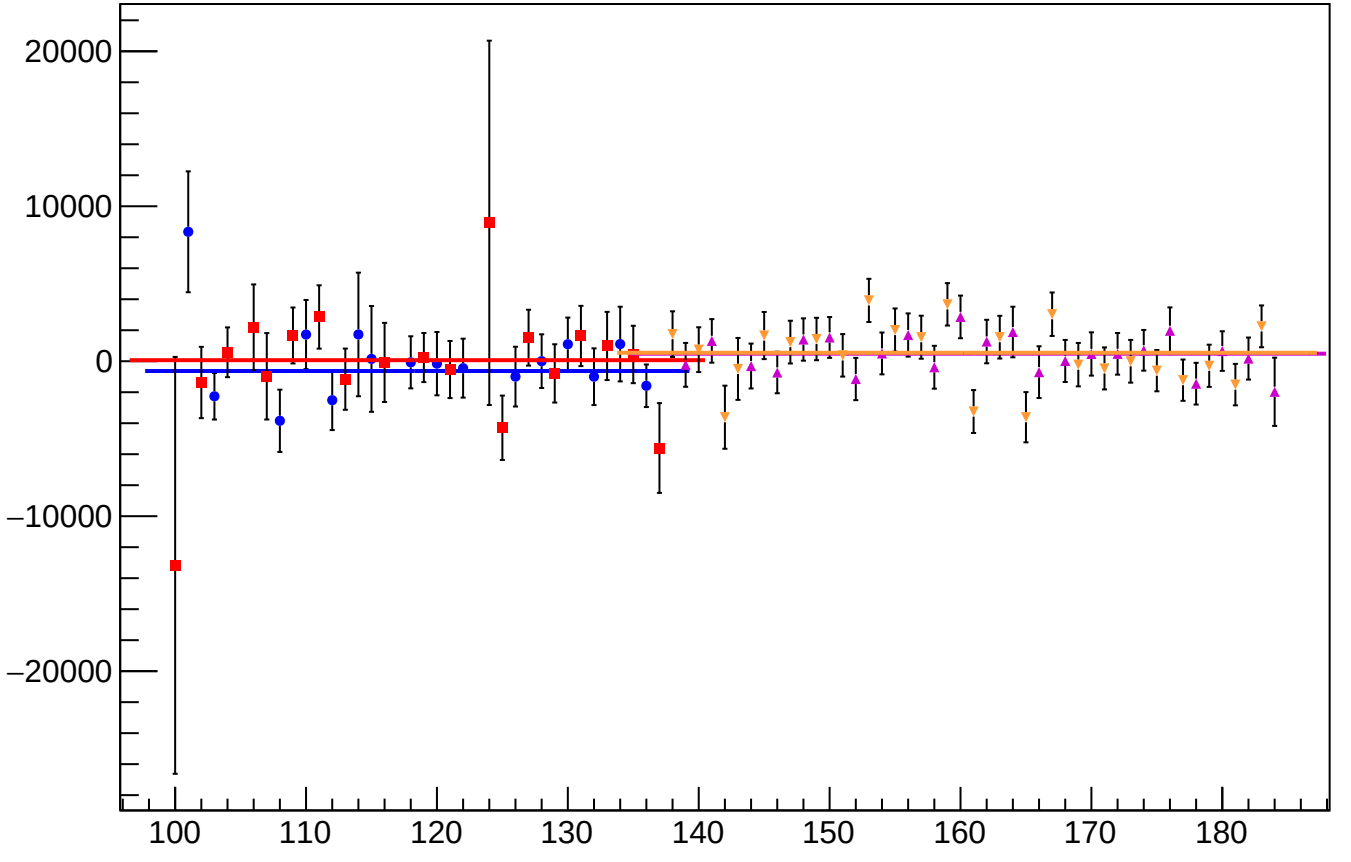
+ sign -0.000+/-0.000 χ^2/NDF: 30.6/39

All: -0.000+/-0.000 χ^2/NDF: 77.2/81

- sign -0.000+/-0.000 χ^2/NDF: 43.8/41


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:5419961.9/22
+ sign 0.000+/-0.000 χ²/NDF: 24437915.7/39
All: 0.000+/-0.000 χ²/NDF: 43403401.4/81
- sign 0.000+/-0.000 χ²/NDF: 10186497.7/41

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

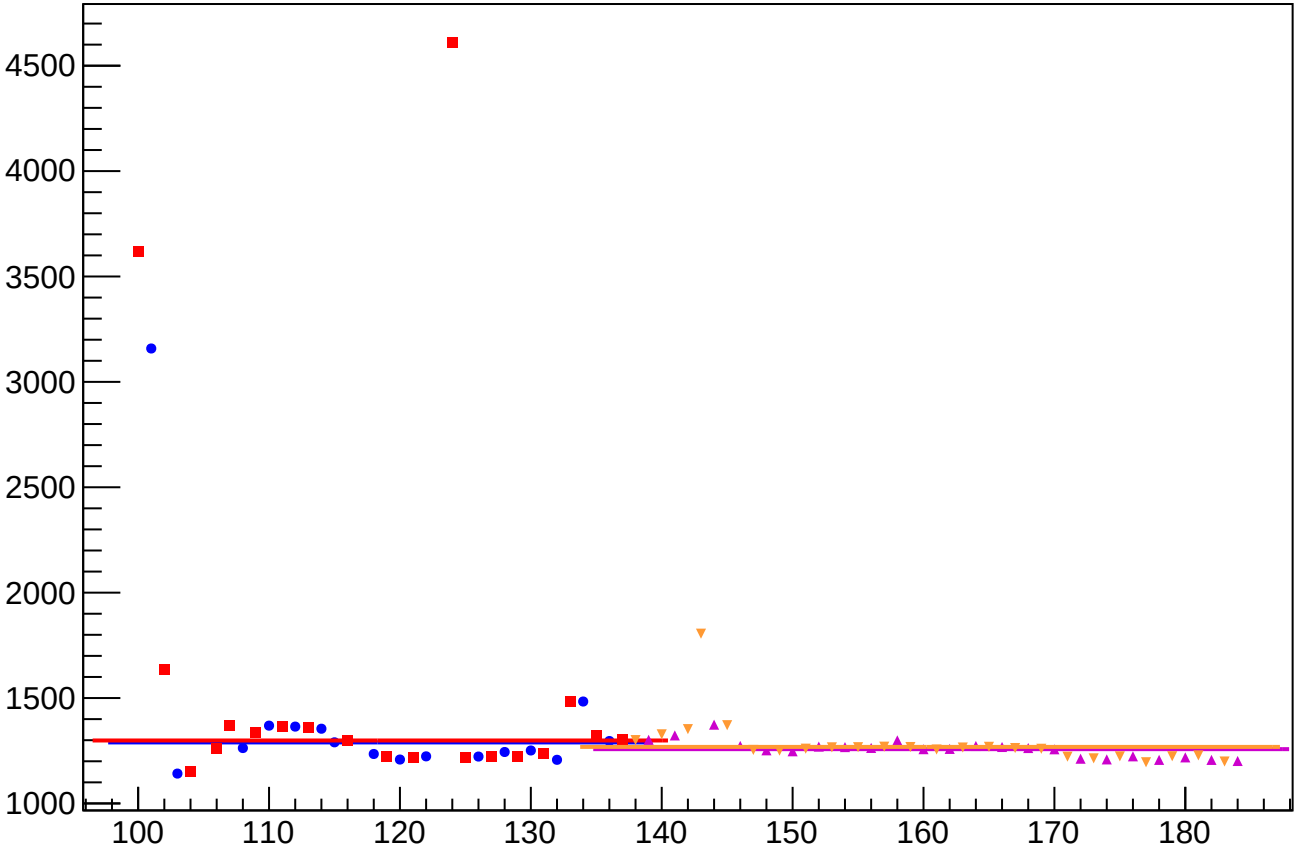
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 237.691+/-249.851 χ^2/NDF: 62.9/39

All: 305.973+/-177.304 χ^2/NDF: 93.9/81

- sign 375.242+/-251.651 χ^2/NDF: 30.8/41

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

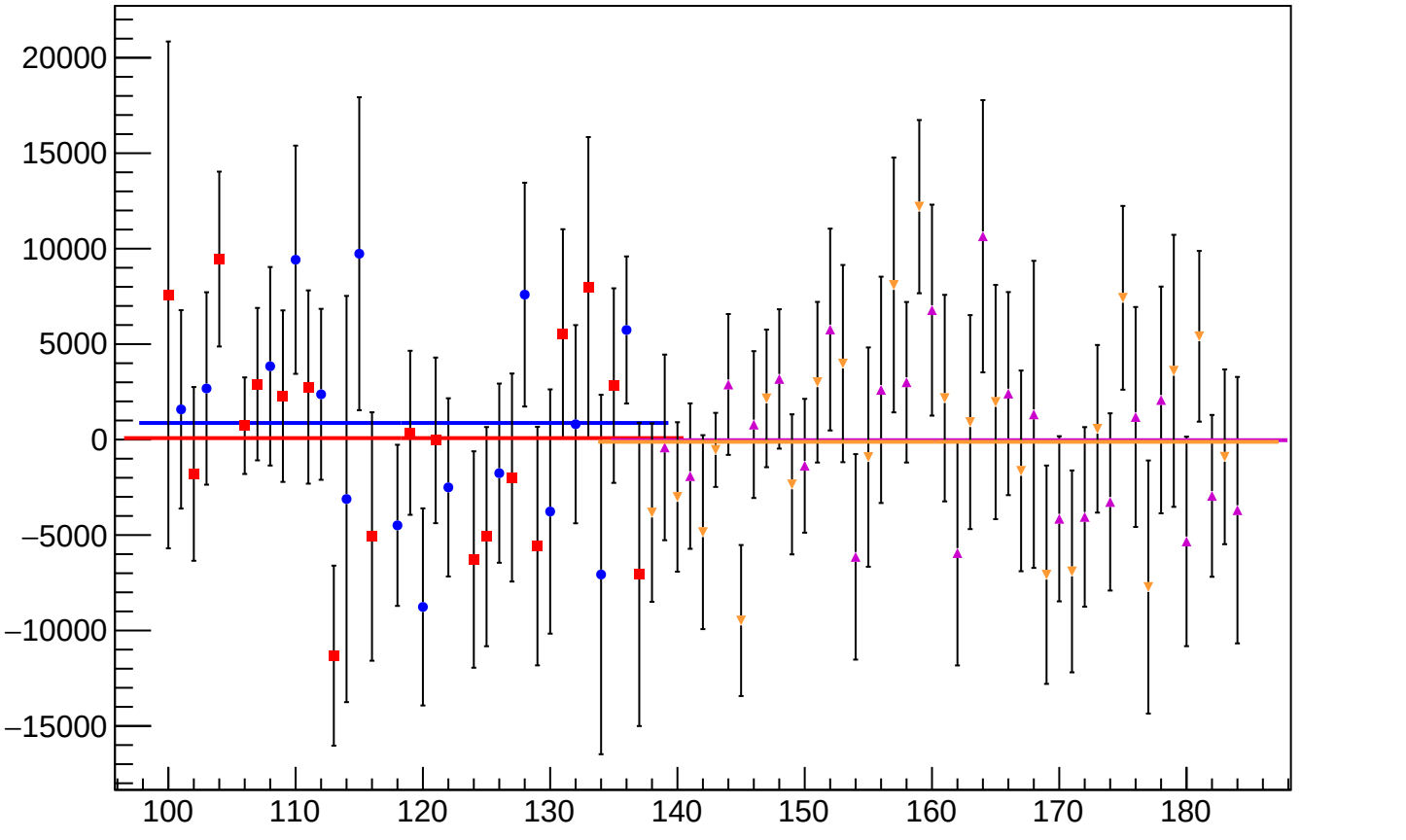
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.747+/-0.177 χ^2/NDF: 702735.6/39

All: 1271.158+/-0.125 χ^2/NDF: 1069822.0/81

- sign 1268.535+/-0.178 χ^2/NDF: 366654.0/41



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -115.787+/-892.046 χ^2/NDF:27.7/23

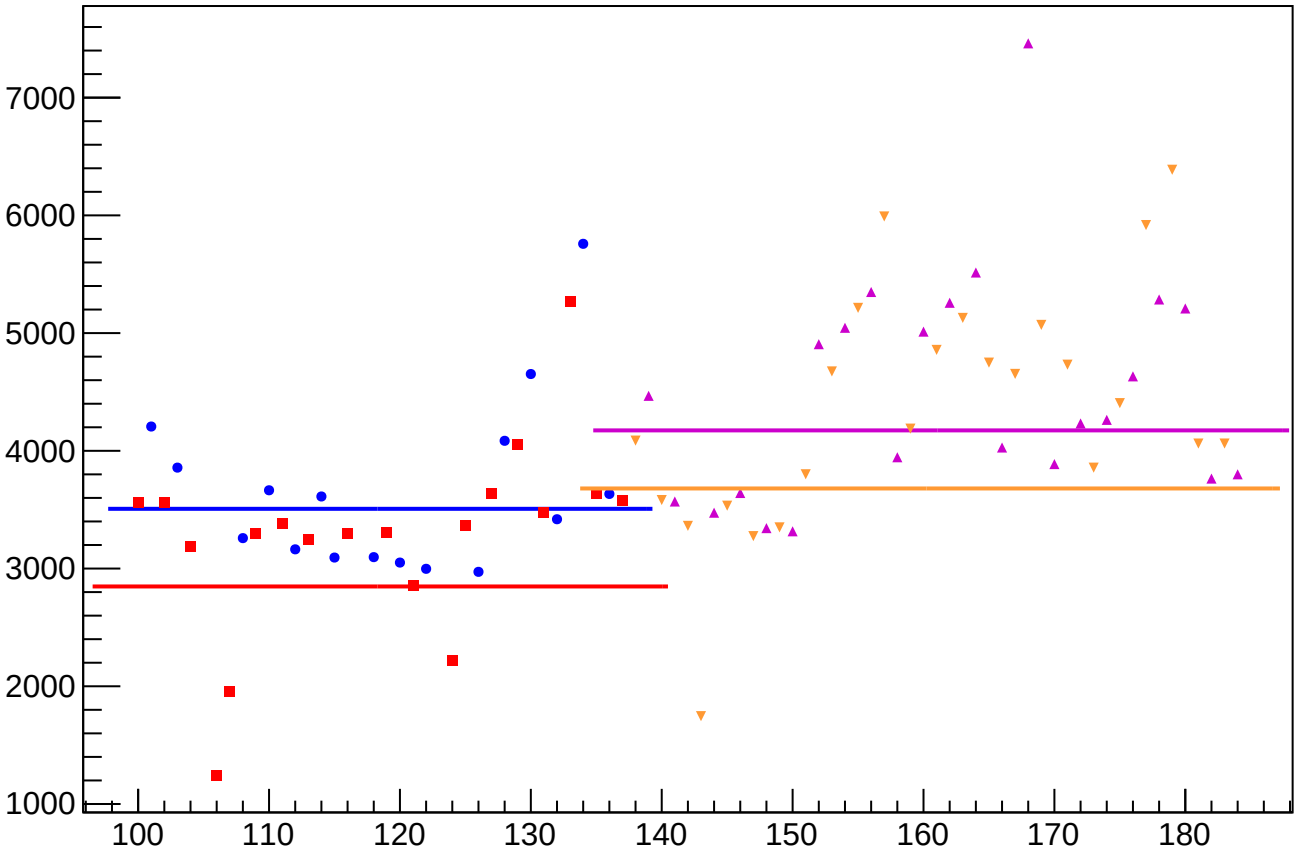
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

\+ sign 191.673+/-740.022 χ^2/NDF: 42.1/39

All: 104.445+/-523.750 χ^2/NDF: 74.6/81

\- sign 16.899+/-741.367 χ^2/NDF: 32.4/41



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

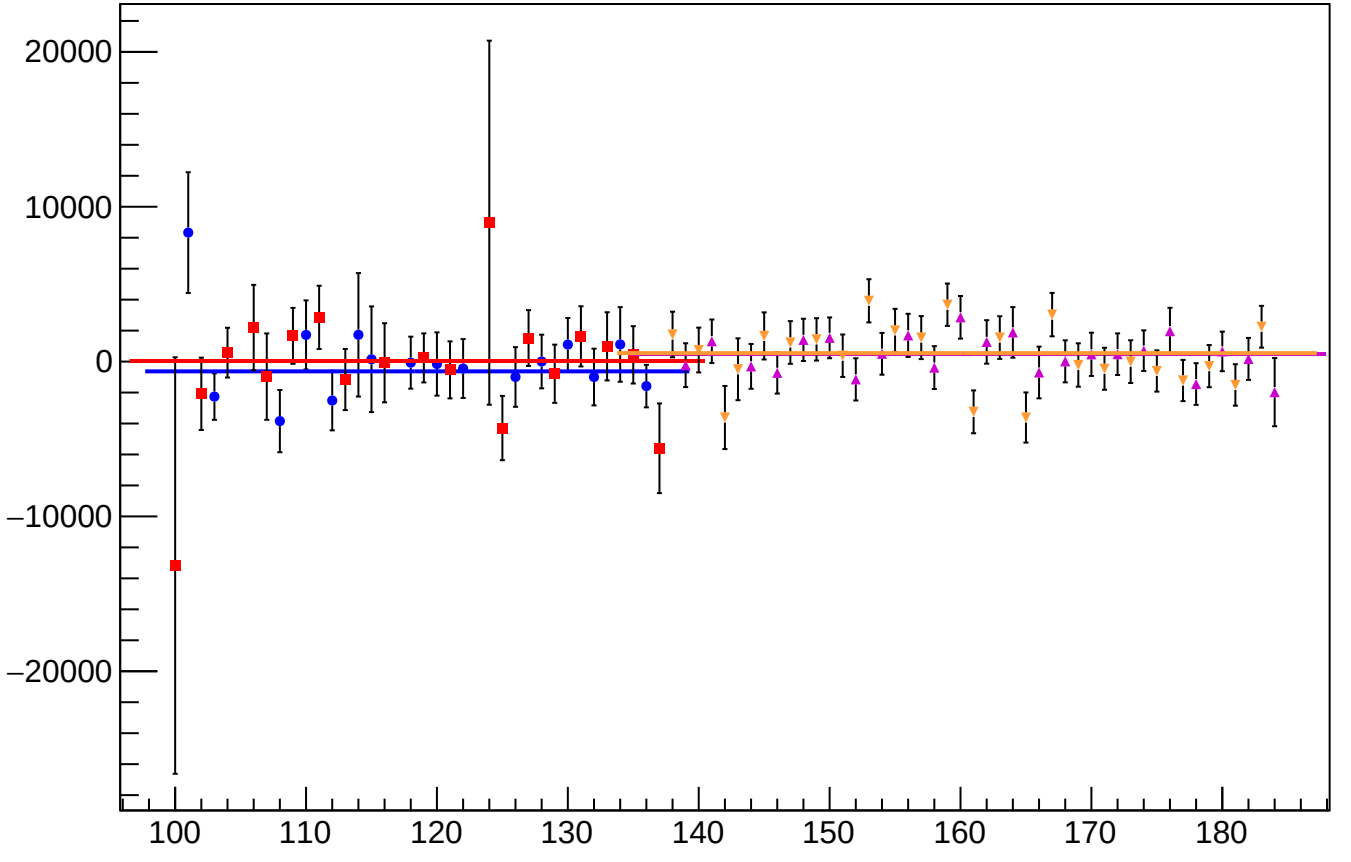
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3626.345+/-0.523 χ^2/NDF: 4066879.3/39

All: 3604.866+/-0.370 χ^2/NDF: 8424266.0/81

- sign 3583.310+/-0.524 χ^2/NDF: 4354011.0/41

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

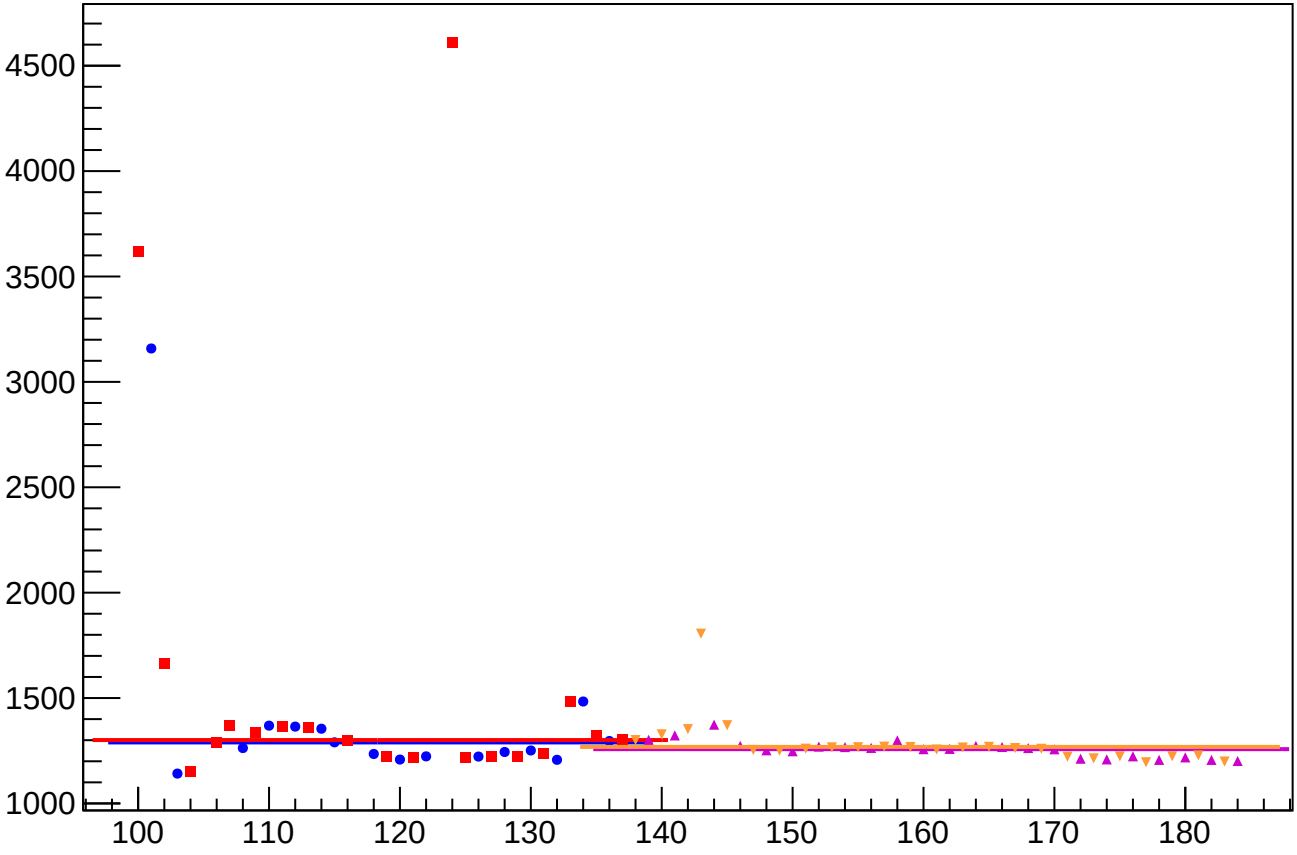
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 302.106+/-177.320 χ^2/NDF: 94.4/81

- sign 367.559+/-251.696 χ^2/NDF: 31.4/41

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

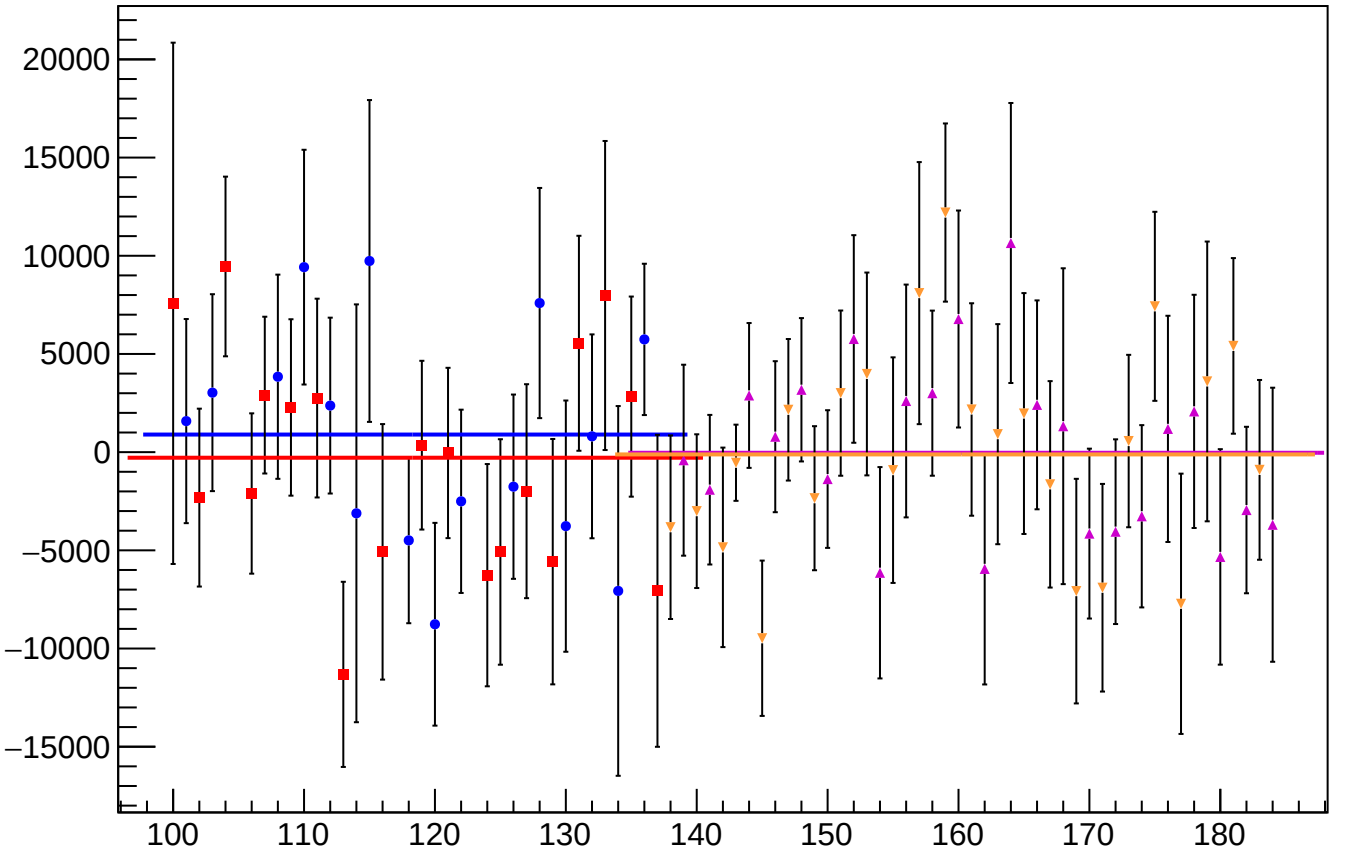
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81

- sign 1269.053+/-0.178 χ^2/NDF: 374220.7/41



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

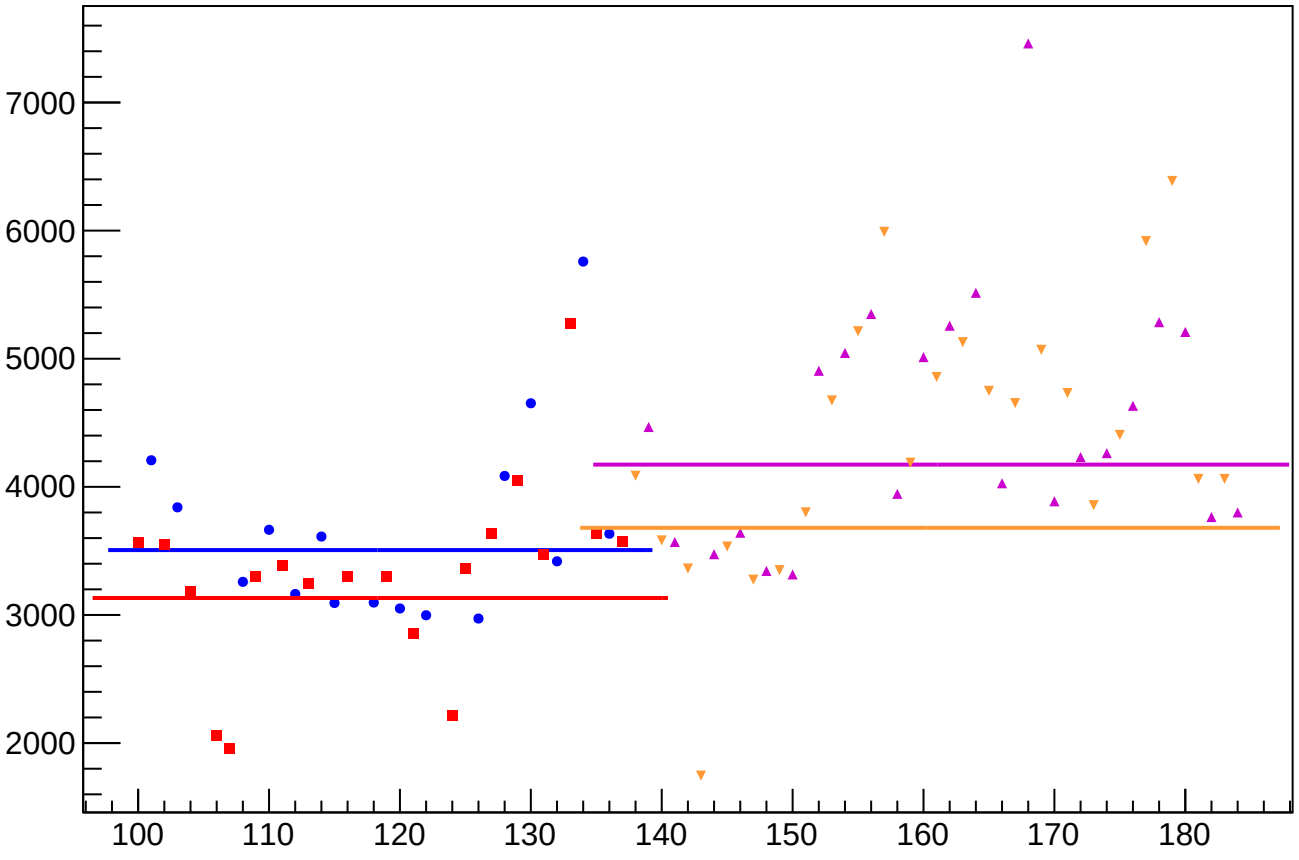
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 199.889+/-739.942 χ^2/NDF: 42.2/39

All: 36.715+/-530.734 χ^2/NDF: 75.0/81

- sign -136.182+/-761.672 χ^2/NDF: 32.7/41



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

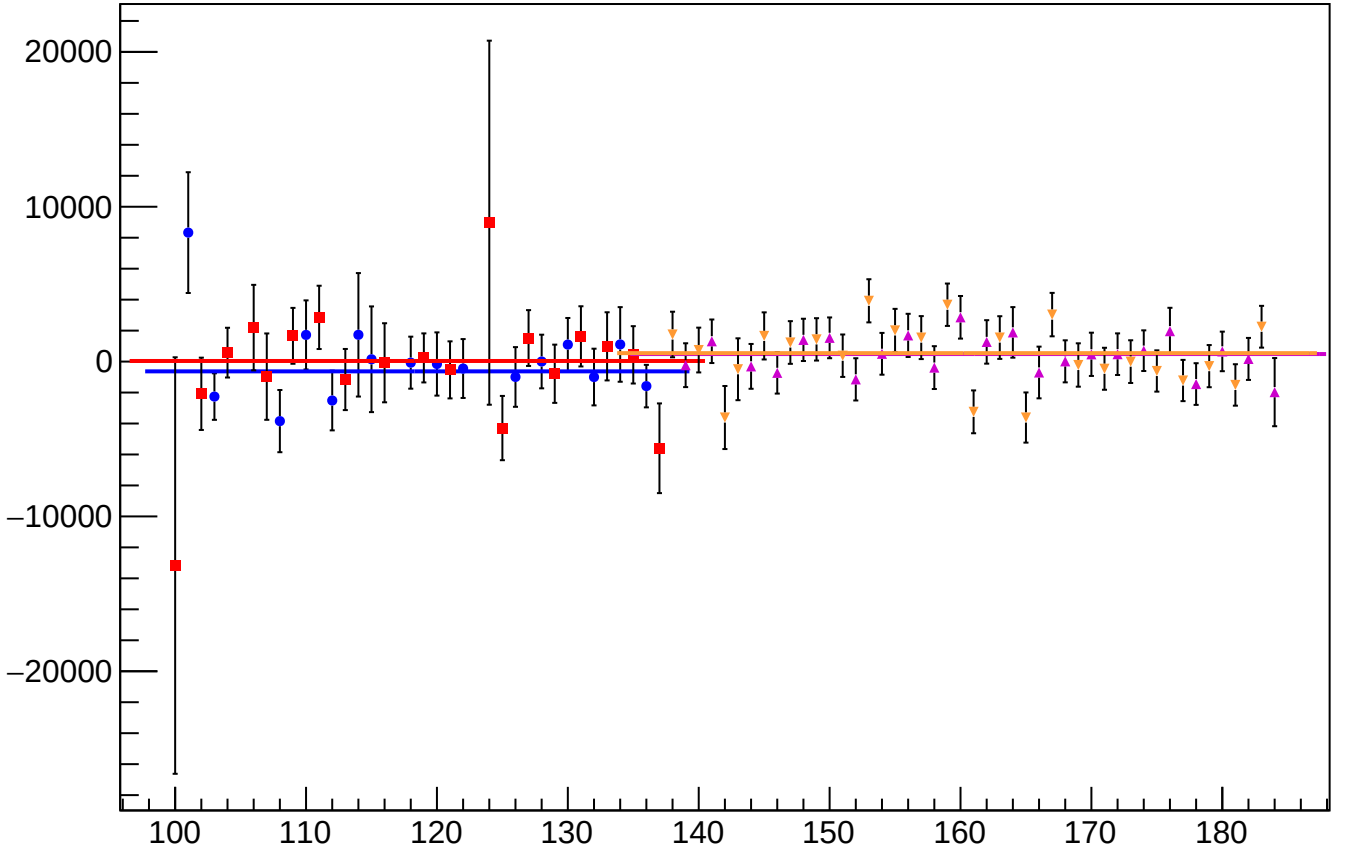
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81

- sign 3742.154+/-0.539 χ^2/NDF: 2831129.9/41

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

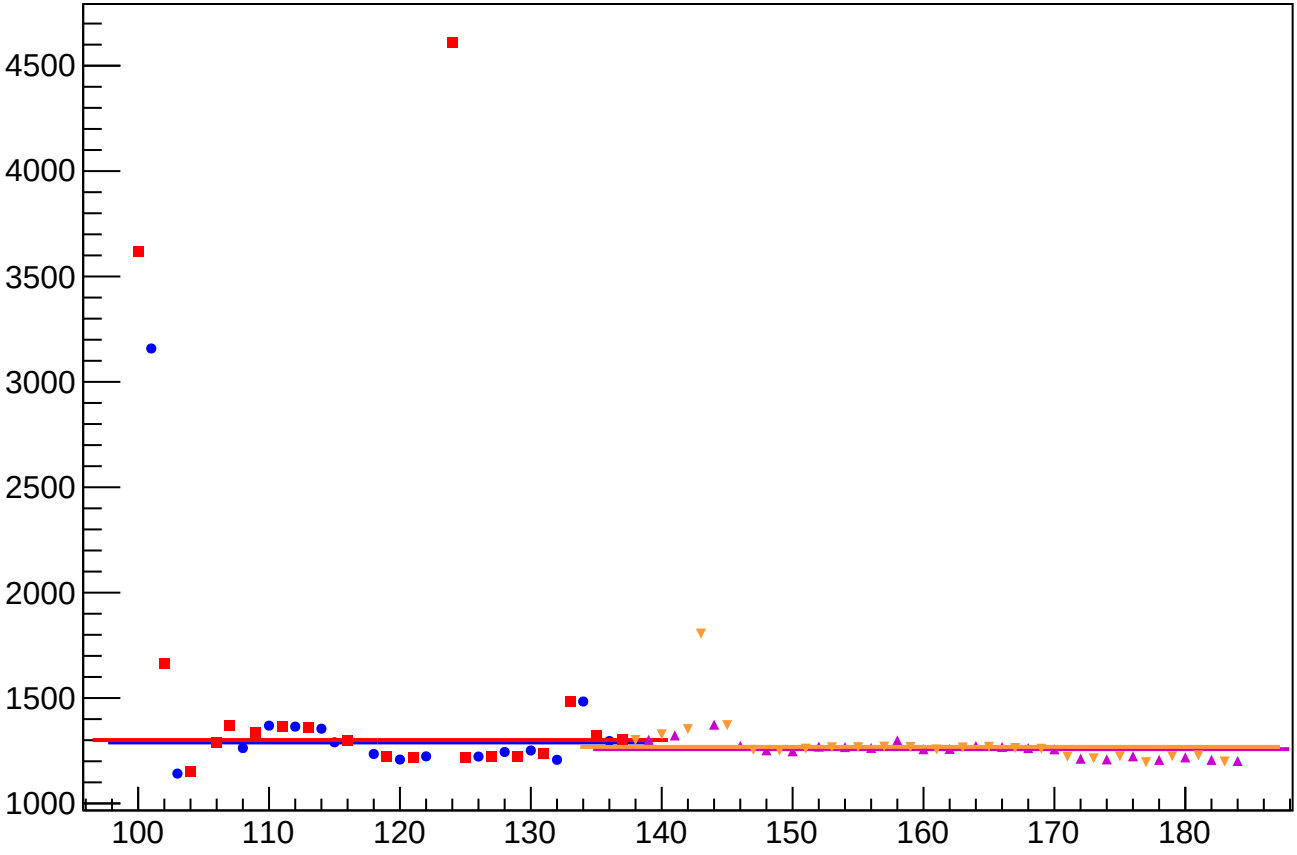
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 302.106+/-177.320 χ^2/NDF: 94.4/81

- sign 367.559+/-251.696 χ^2/NDF: 31.4/41

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

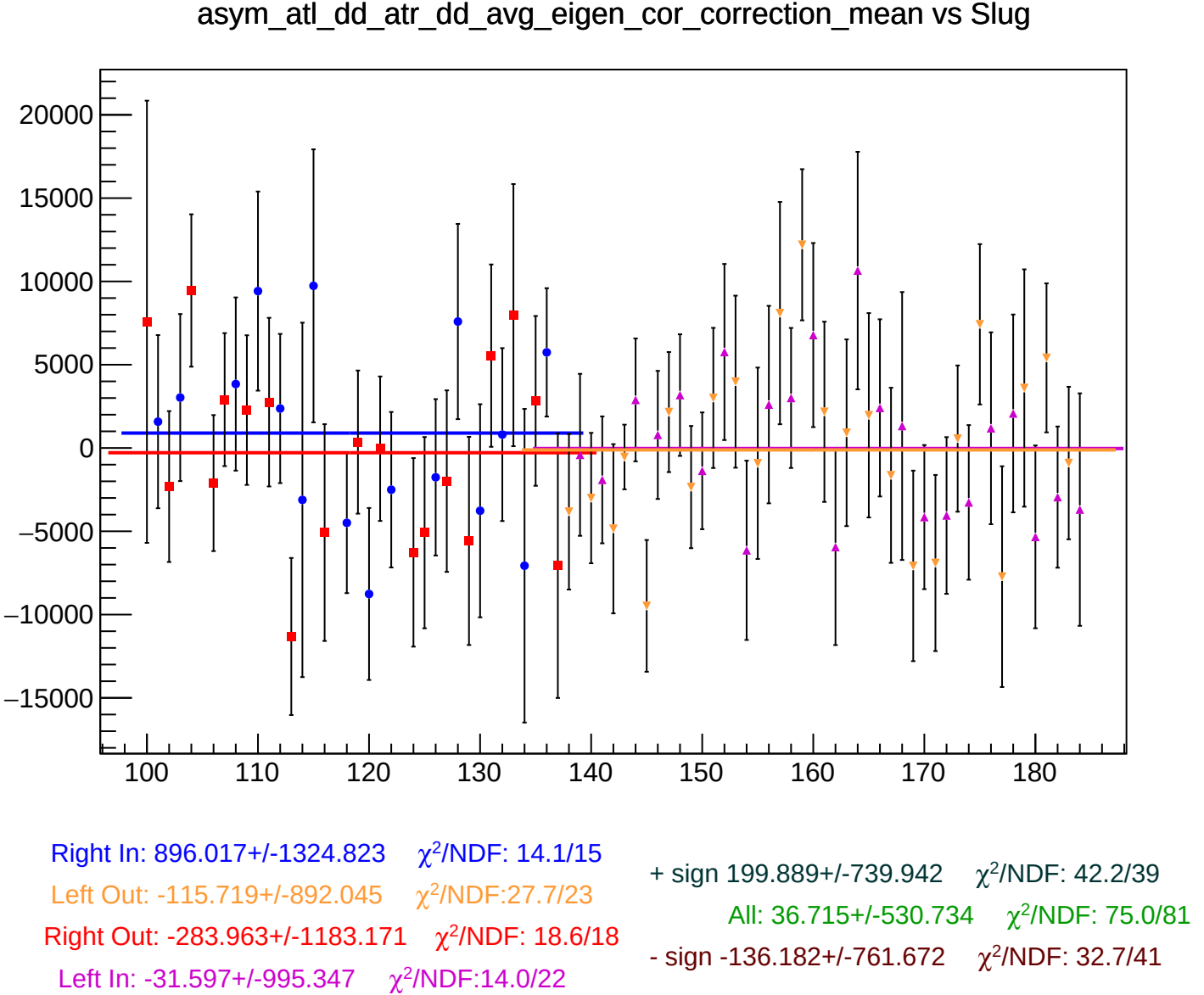
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

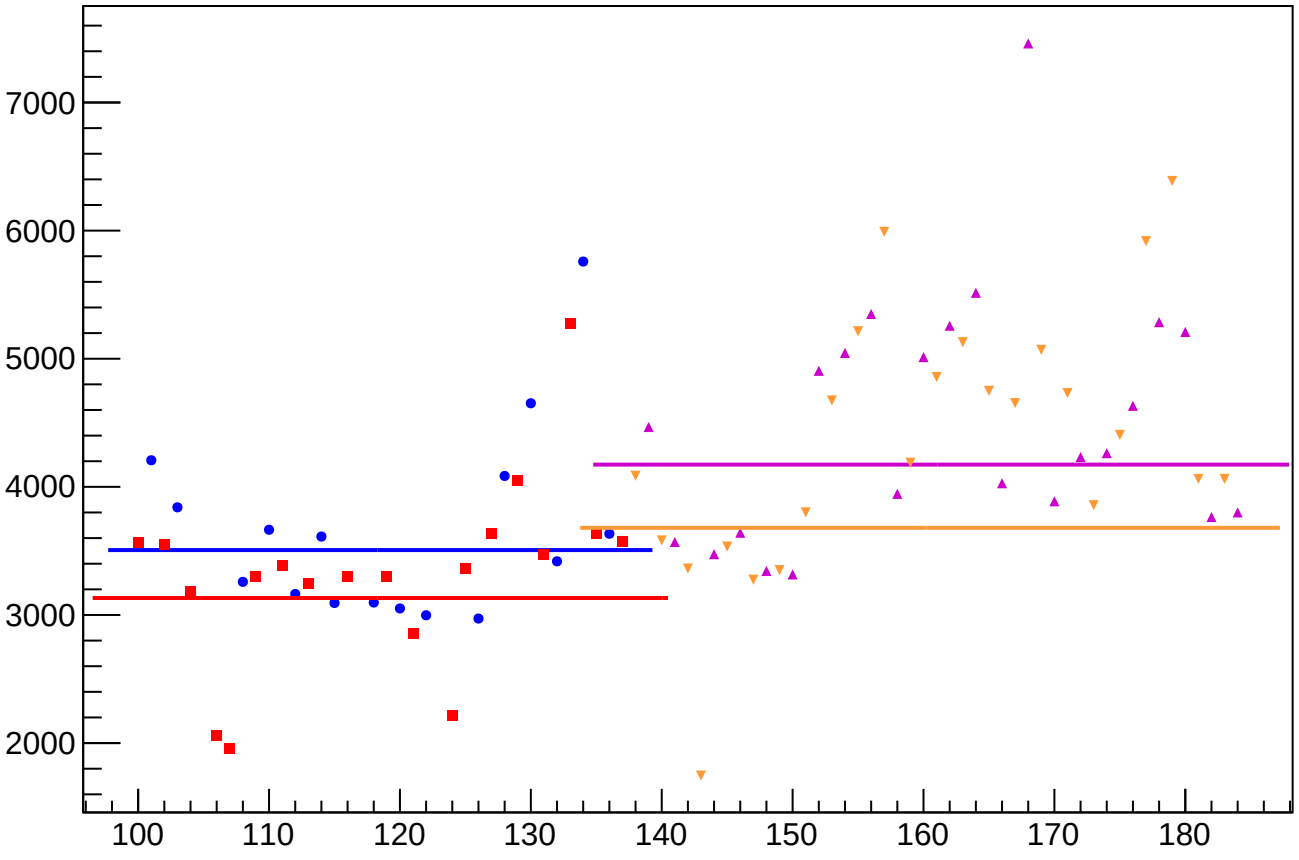
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81

- sign 1269.053+/-0.178 χ^2/NDF: 374220.7/41


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: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 199.889+/-739.942 χ²/NDF: 42.2/39
All: 36.715+/-530.734 χ²/NDF: 75.0/81
- sign -136.182+/-761.672 χ²/NDF: 32.7/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

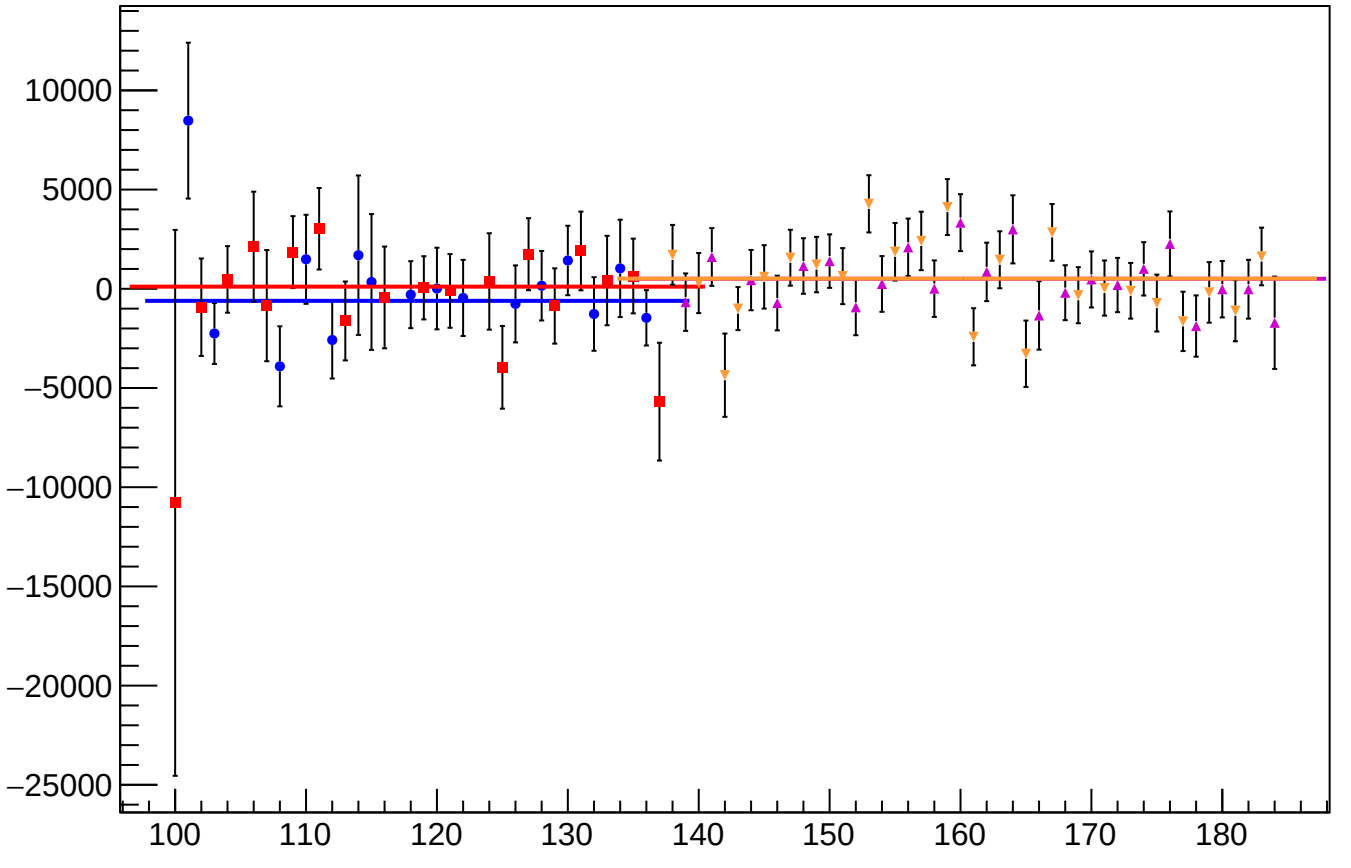
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81

- sign 3742.154+/-0.539 χ^2/NDF: 2831129.9/41



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

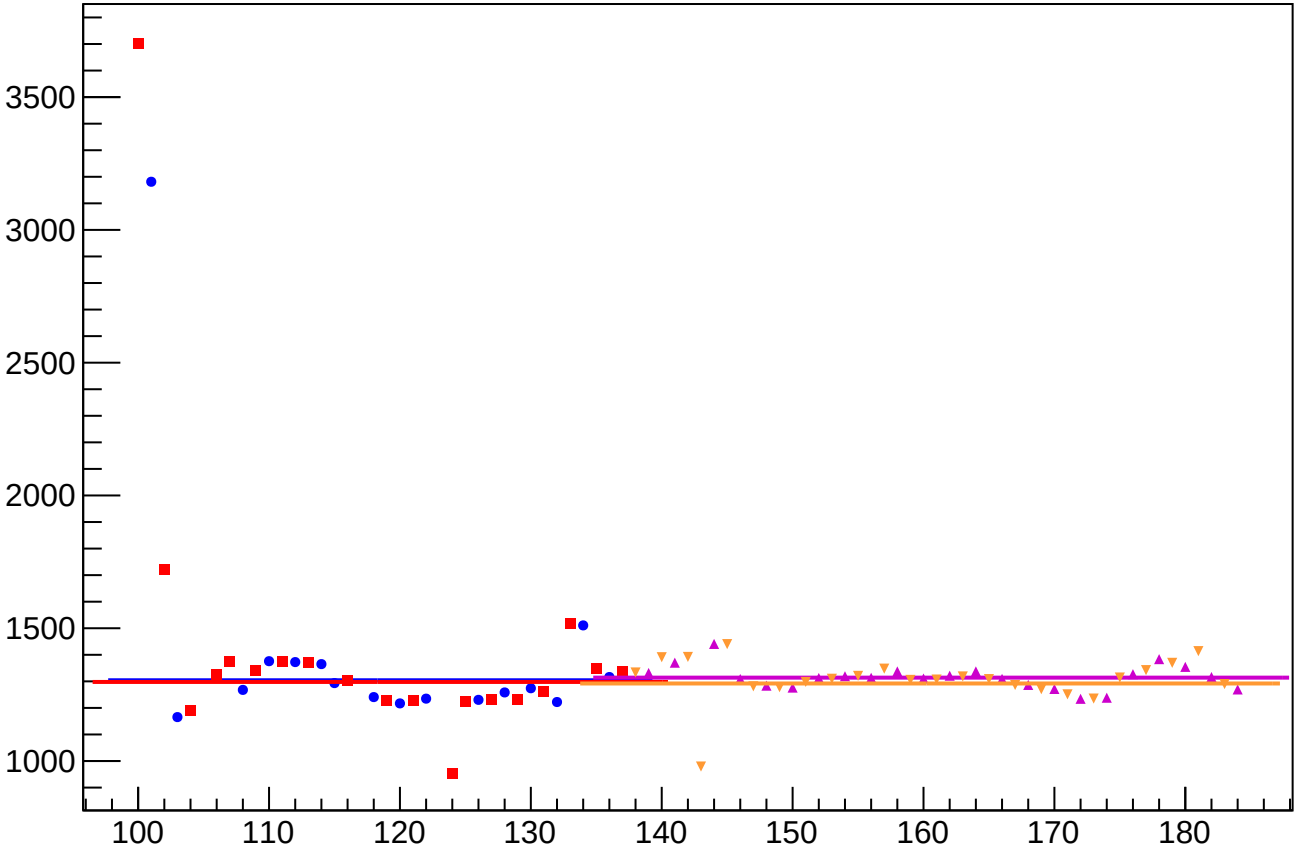
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 217.318+/-254.210 χ^2/NDF: 60.3/39

All: 302.235+/-181.601 χ^2/NDF: 93.3/81

- sign 390.735+/-259.518 χ^2/NDF: 32.8/41

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

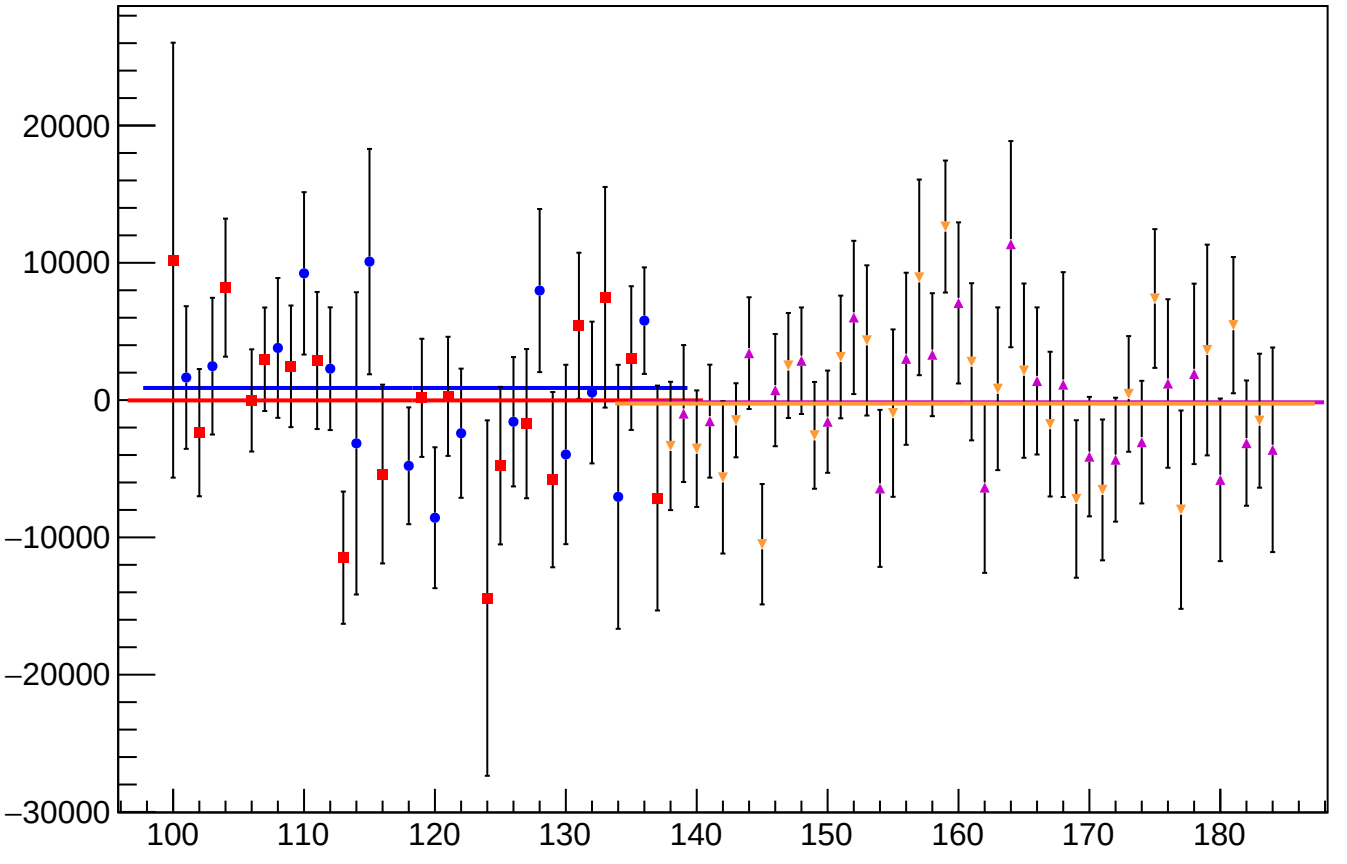
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.206+/-0.180 χ^2/NDF: 741227.2/39

All: 1302.143+/-0.128 χ^2/NDF: 1002003.8/81

- sign 1309.370+/-0.183 χ^2/NDF: 257735.5/41



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -254.197+/-983.675 χ^2/NDF:27.3/23

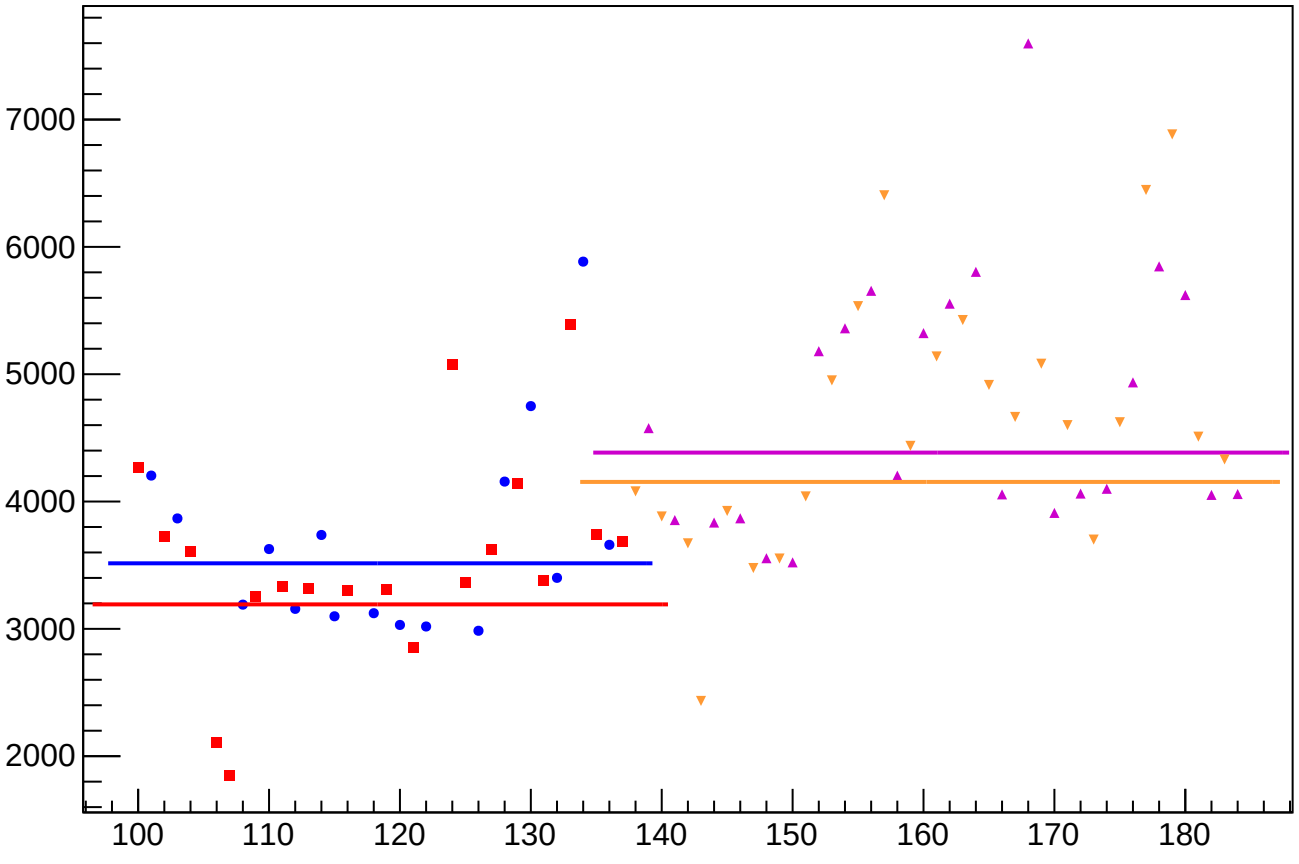
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 24.546+/-558.122 χ^2/NDF: 72.6/81

- sign -99.570+/-788.290 χ^2/NDF: 30.6/41



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

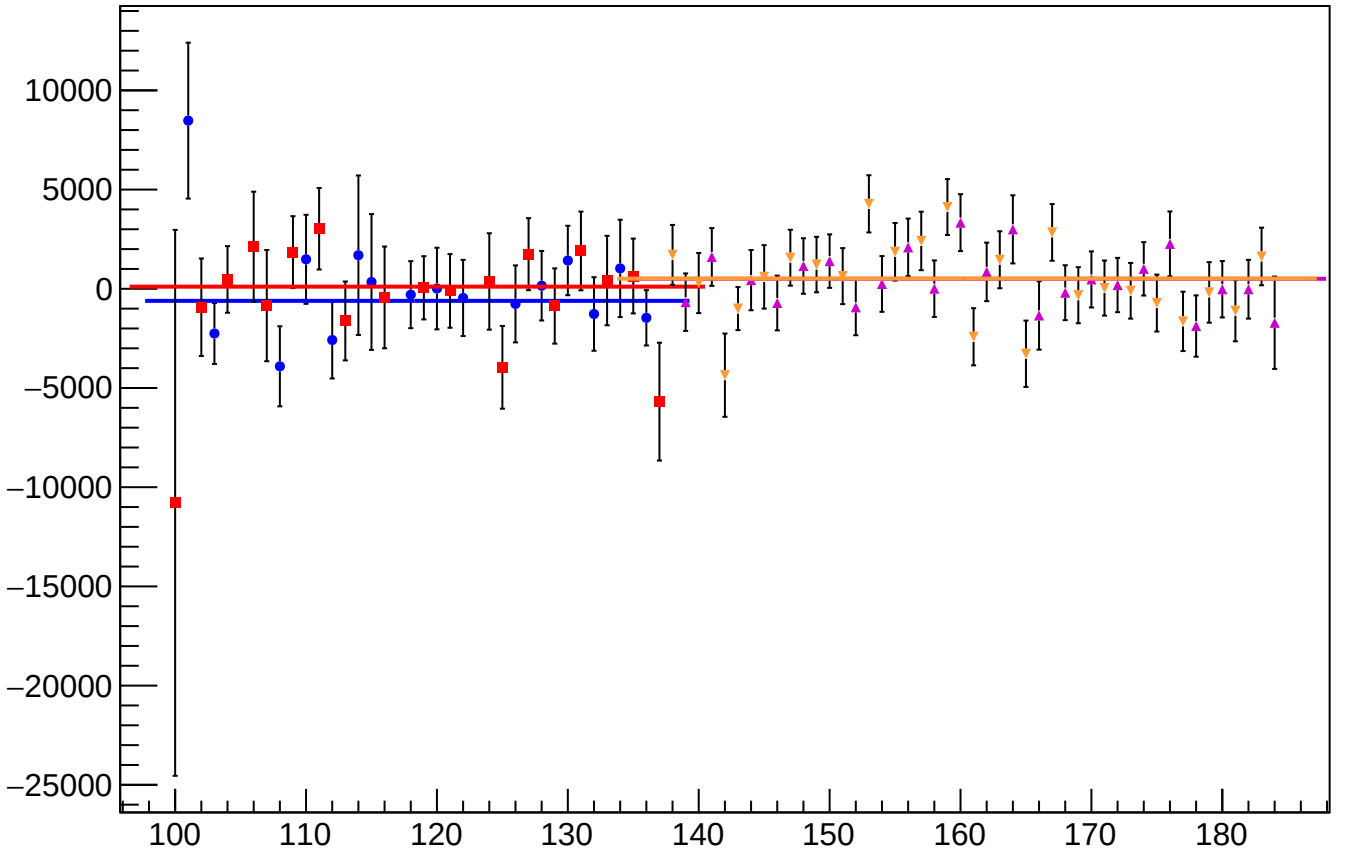
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3927.415+/-0.559 χ^2/NDF: 2754274.0/39

All: 3898.584+/-0.395 χ^2/NDF: 5909601.1/81

- sign 3869.901+/-0.557 χ^2/NDF: 3150017.5/41



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

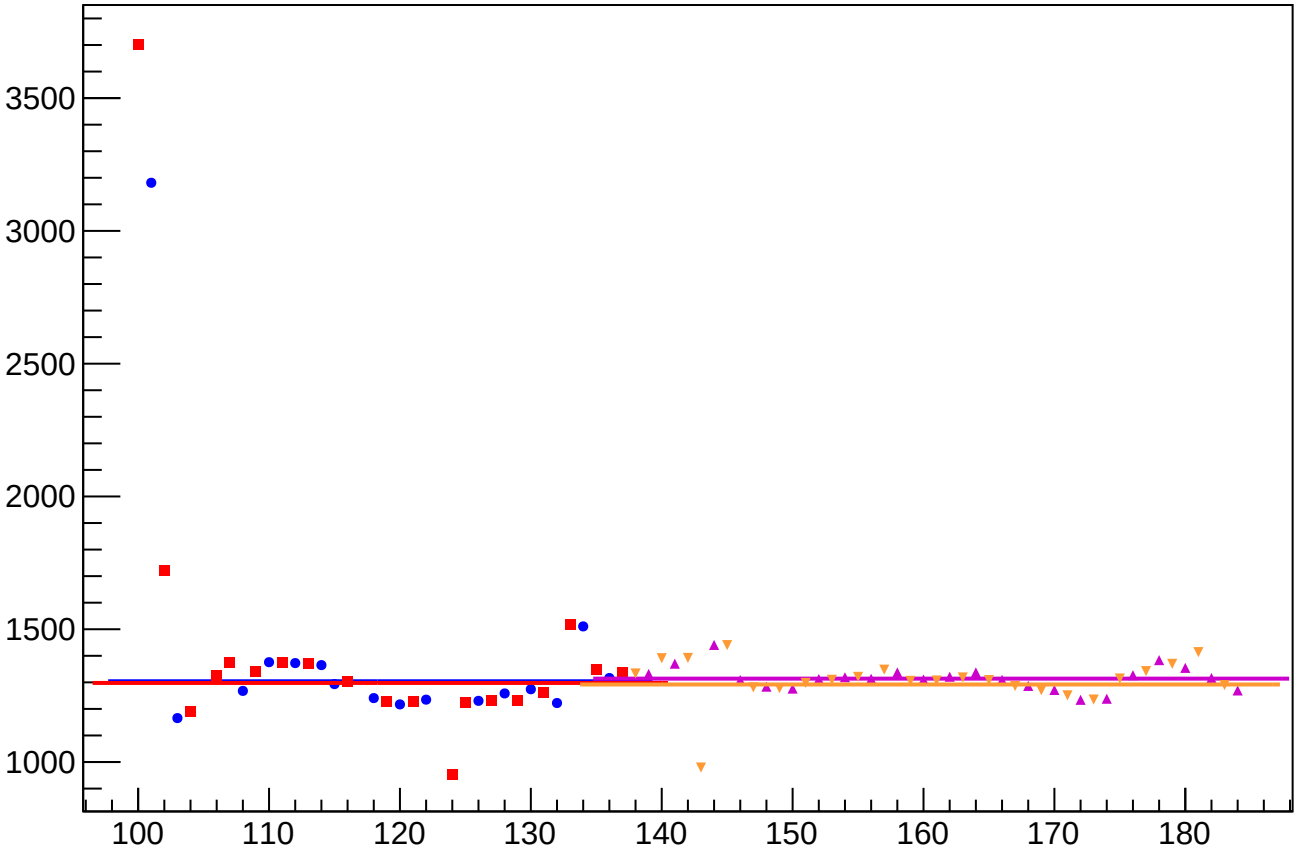
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 217.319+/-254.210 χ^2/NDF: 60.3/39

All: 302.236+/-181.601 χ^2/NDF: 93.3/81

- sign 390.737+/-259.518 χ^2/NDF: 32.8/41

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

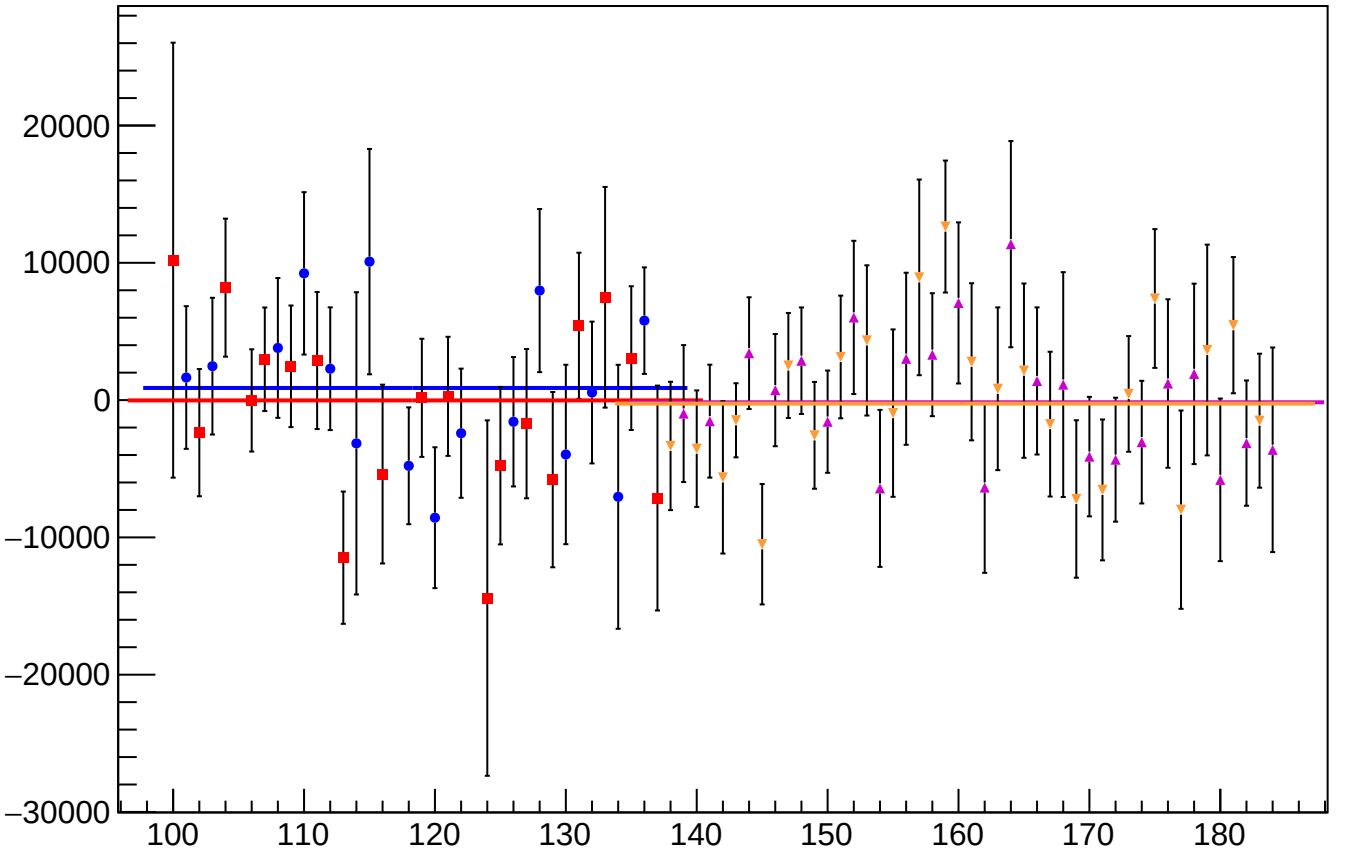
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.207+/-0.180 χ^2/NDF: 741229.6/39

All: 1302.144+/-0.128 χ^2/NDF: 1002008.8/81

- sign 1309.371+/-0.183 χ^2/NDF: 257738.0/41



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

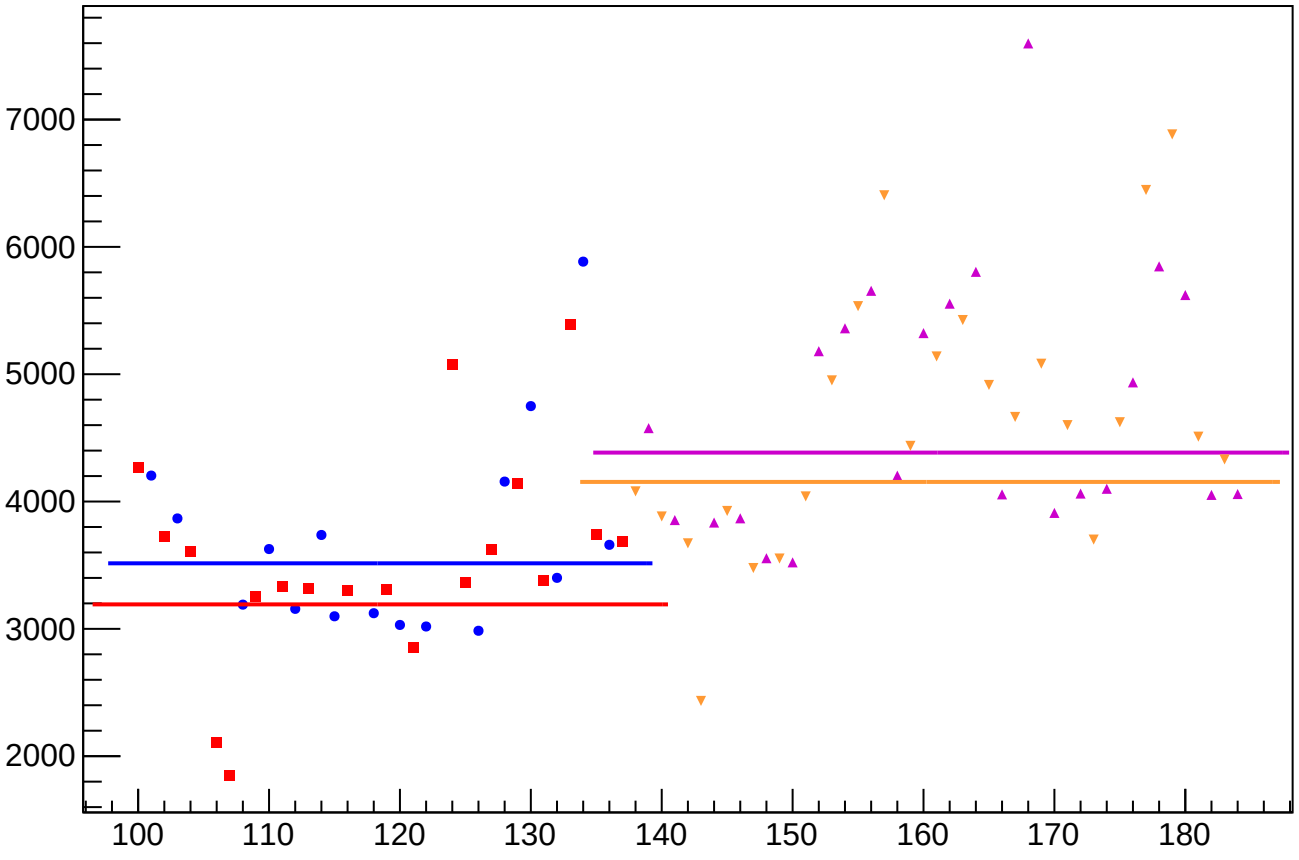
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 24.547+/-558.122 χ^2/NDF: 72.6/81

- sign -99.569+/-788.290 χ^2/NDF: 30.6/41



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

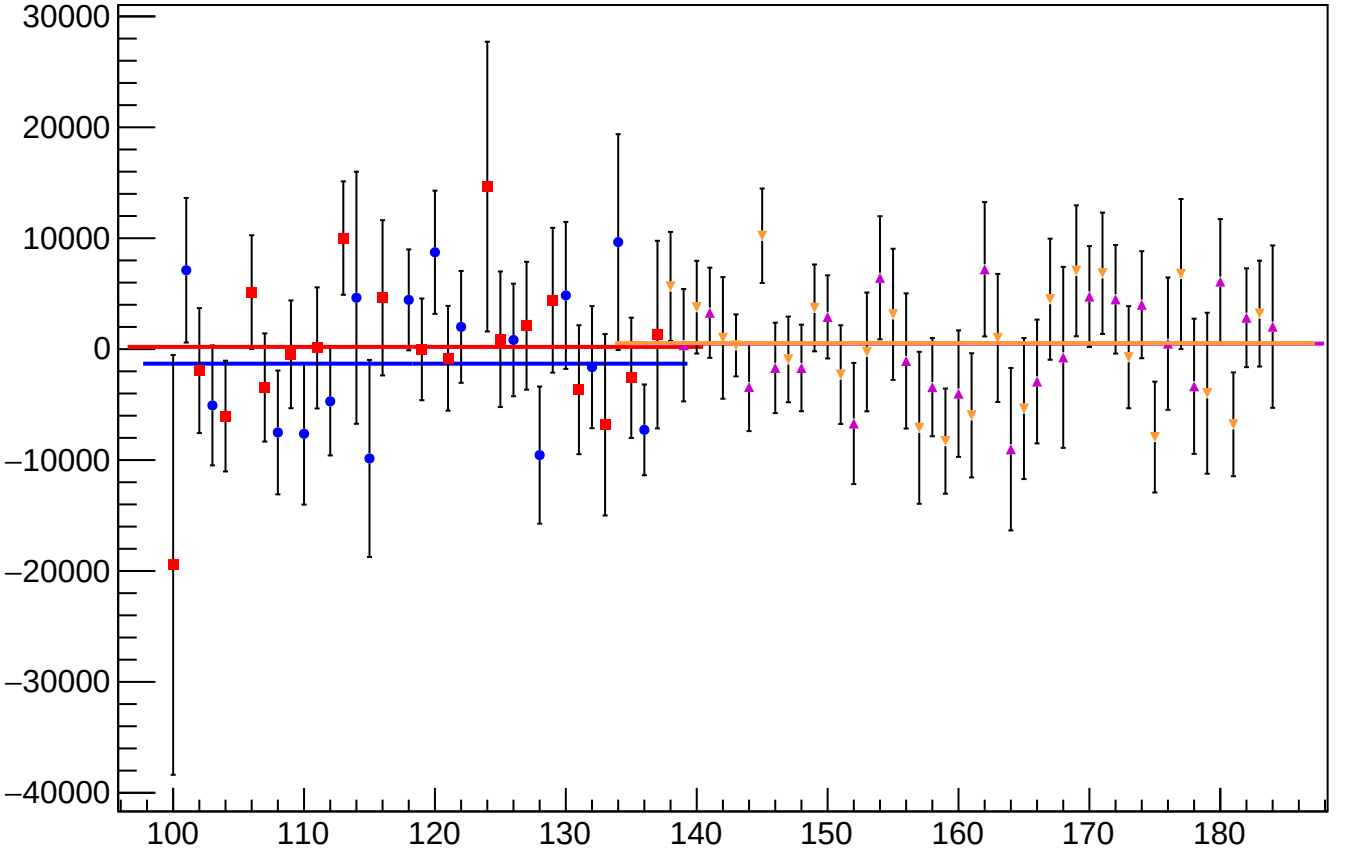
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

\+ sign 3927.415+/-0.559 χ^2/NDF: 2754296.2/39

All: 3898.583+/-0.395 χ^2/NDF: 5909658.8/81

\- sign 3869.899+/-0.557 χ^2/NDF: 3150052.8/41

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

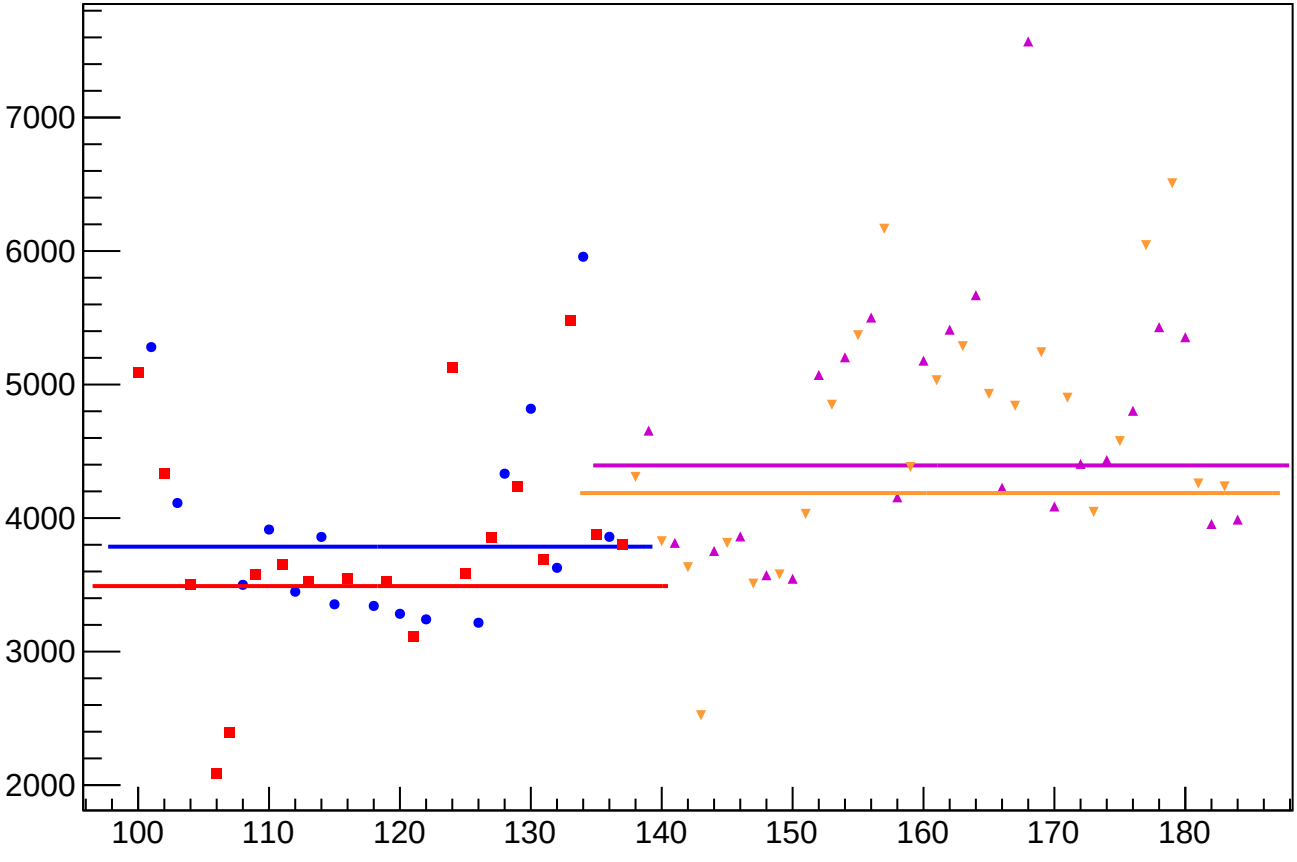
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -52.793+/-812.471 χ^2/NDF: 43.9/39

All: 163.407+/-578.185 χ^2/NDF: 69.6/81

- sign 385.239+/-822.983 χ^2/NDF: 25.6/41

asym_atl_dd_atr_dd_avg_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

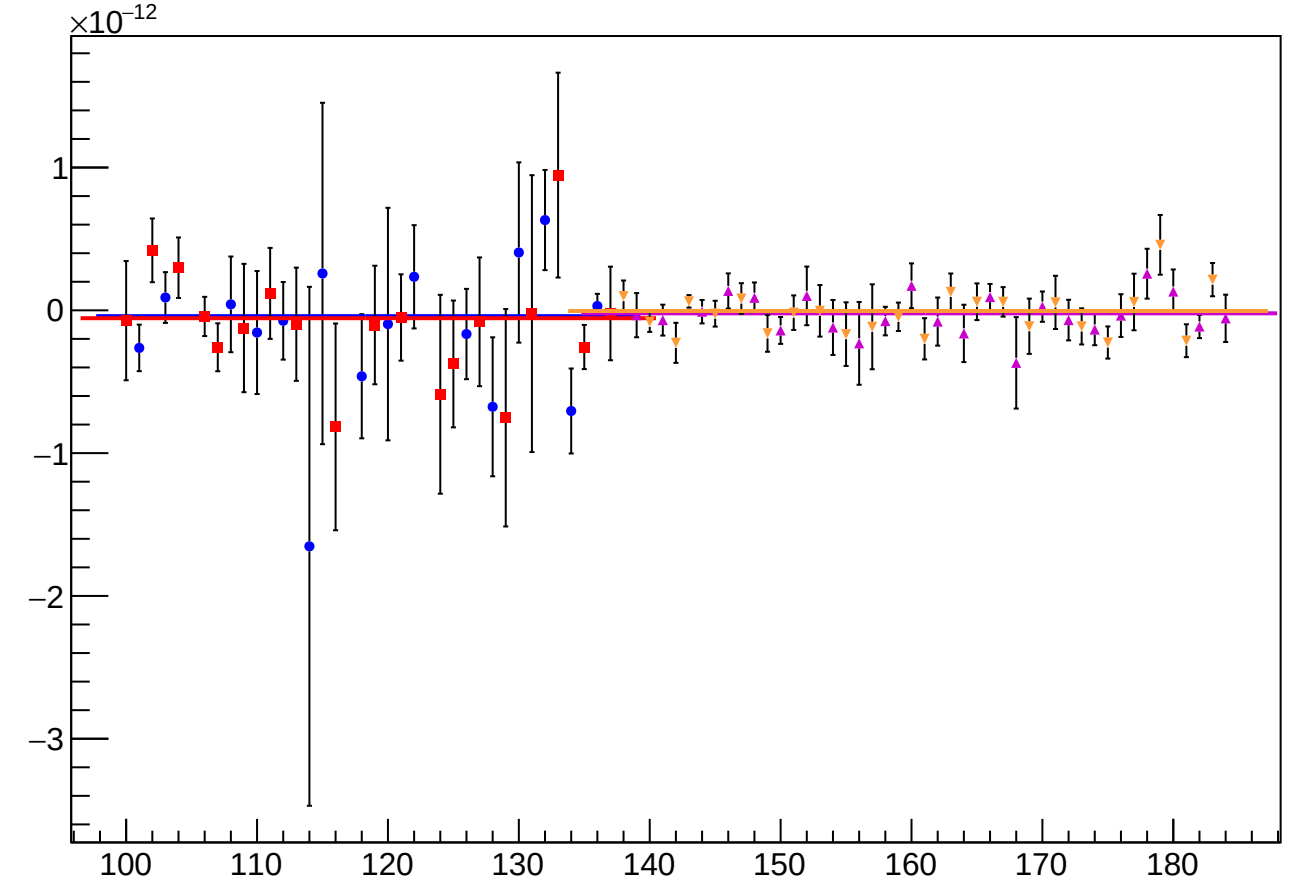
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4058.054+/-0.575 χ^2/NDF: 2286028.2/39

All: 4051.860+/-0.408 χ^2/NDF: 4538921.1/81

- sign 4045.571+/-0.579 χ^2/NDF: 2252658.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/23

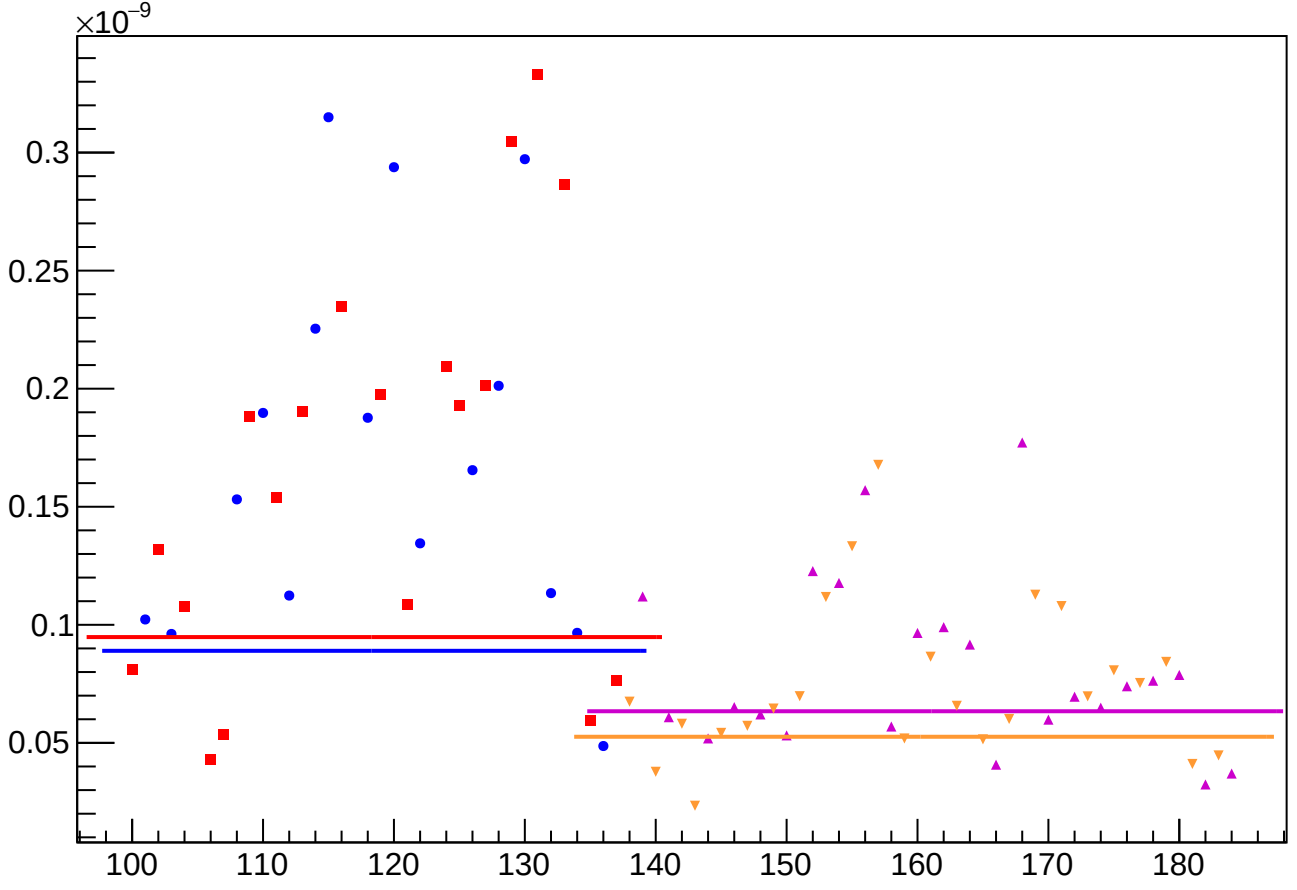
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/39

All: -0.000+/-0.000 χ^2/NDF: 80.6/81

- sign -0.000+/-0.000 χ^2/NDF: 33.1/41



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

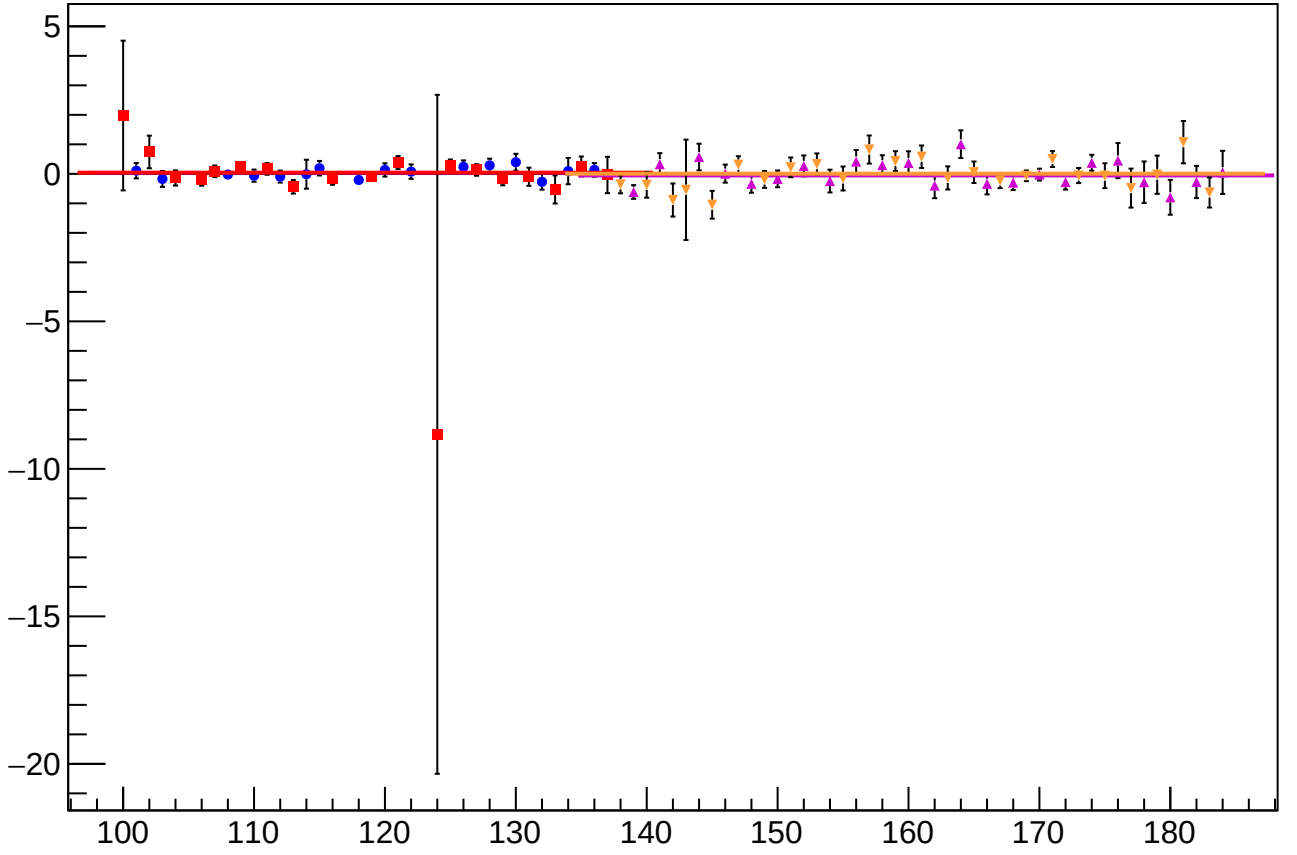
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4750374.6/39

All: 0.000+/-0.000 χ^2/NDF: 8912820.2/81

- sign 0.000+/-0.000 χ^2/NDF: 3936195.9/41

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

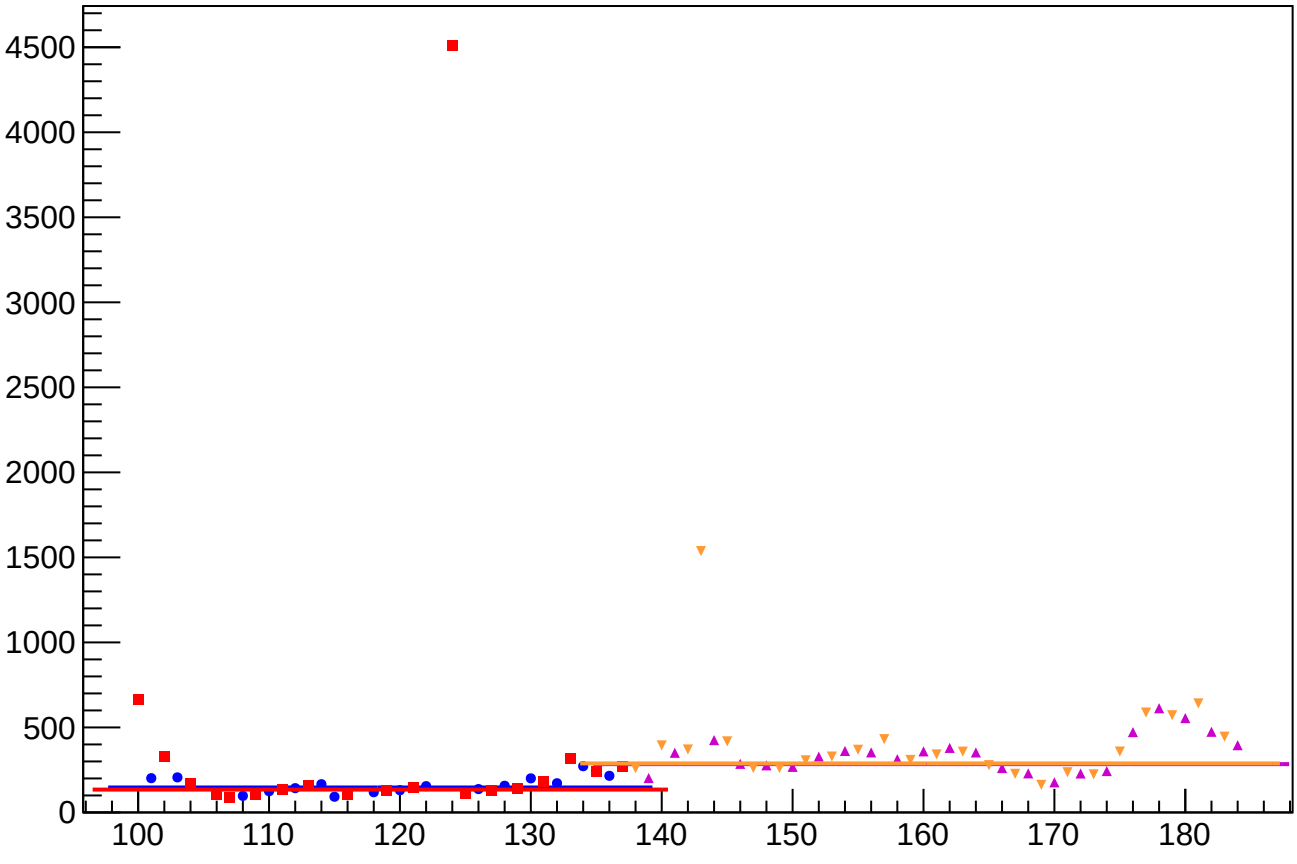
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

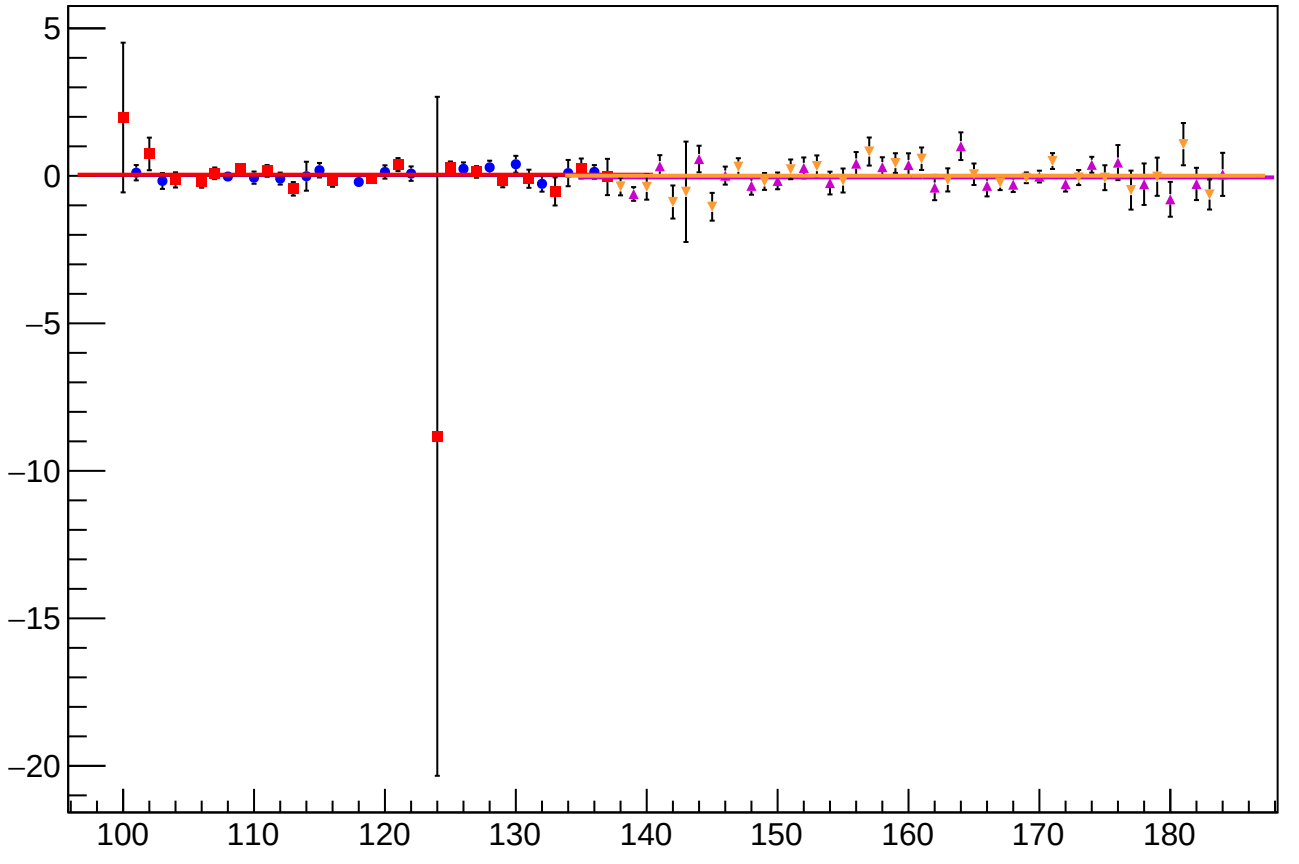
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81

- sign 190.942+/-0.031 χ^2/NDF: 10313563.7/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

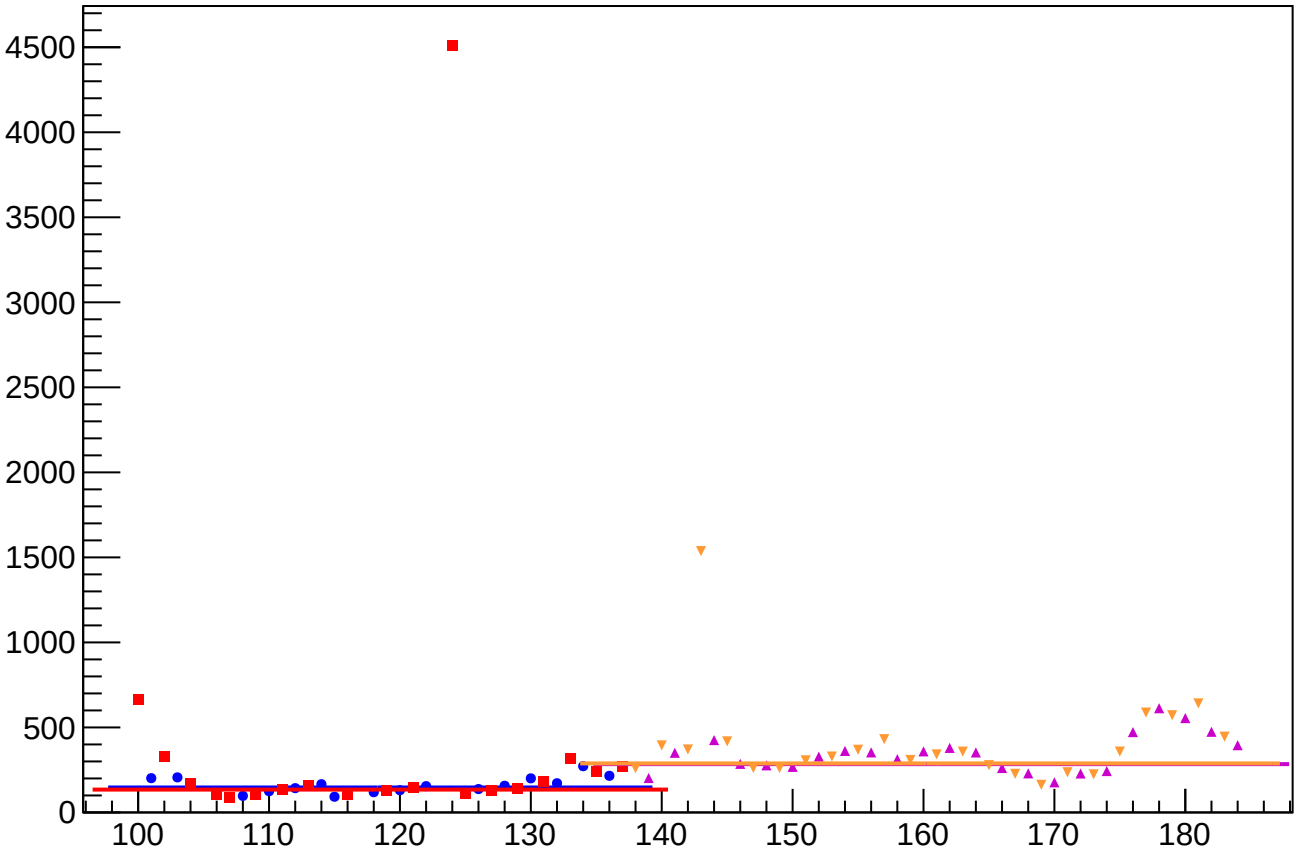
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

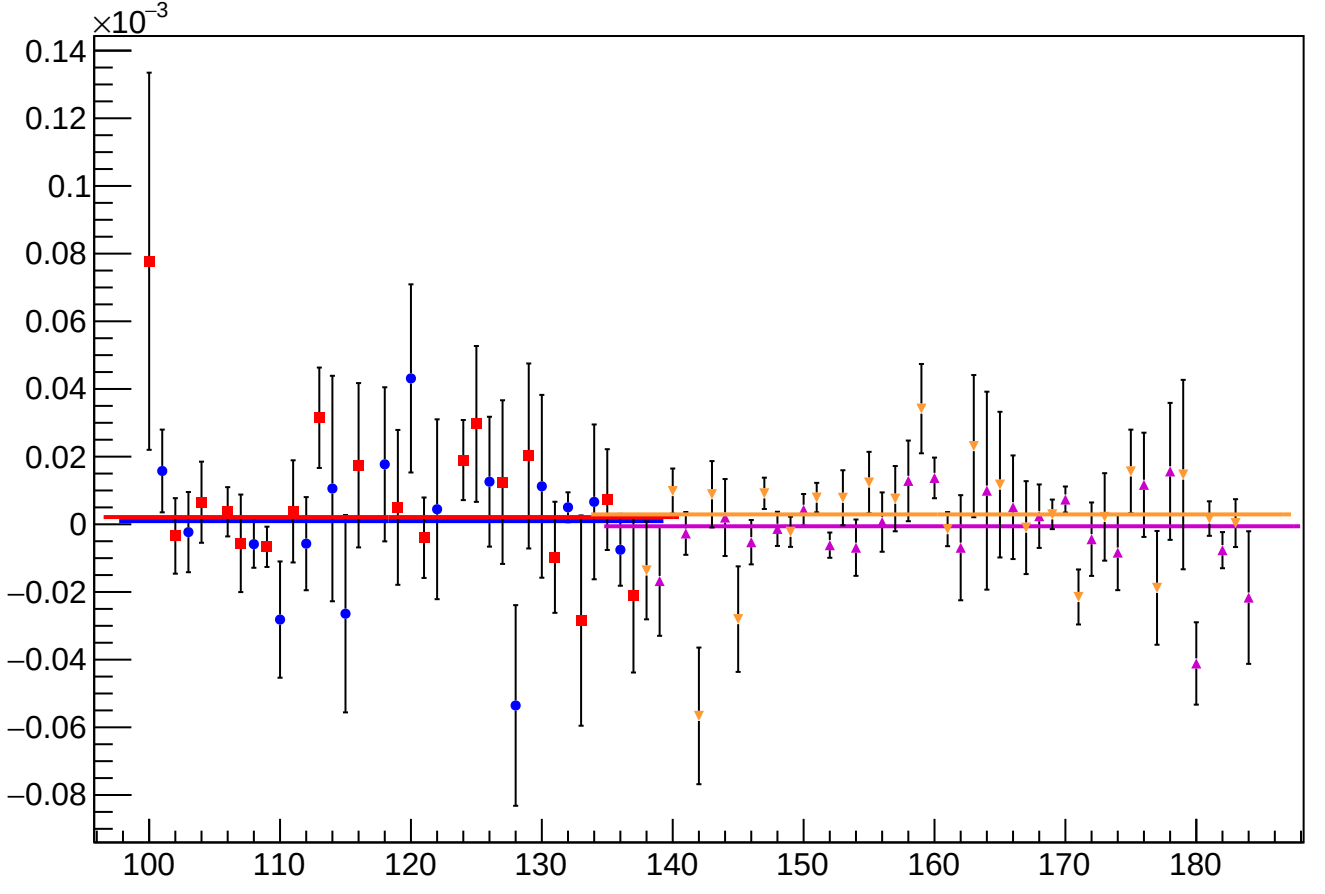
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81

- sign 190.942+/-0.031 χ^2/NDF: 10313563.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/23

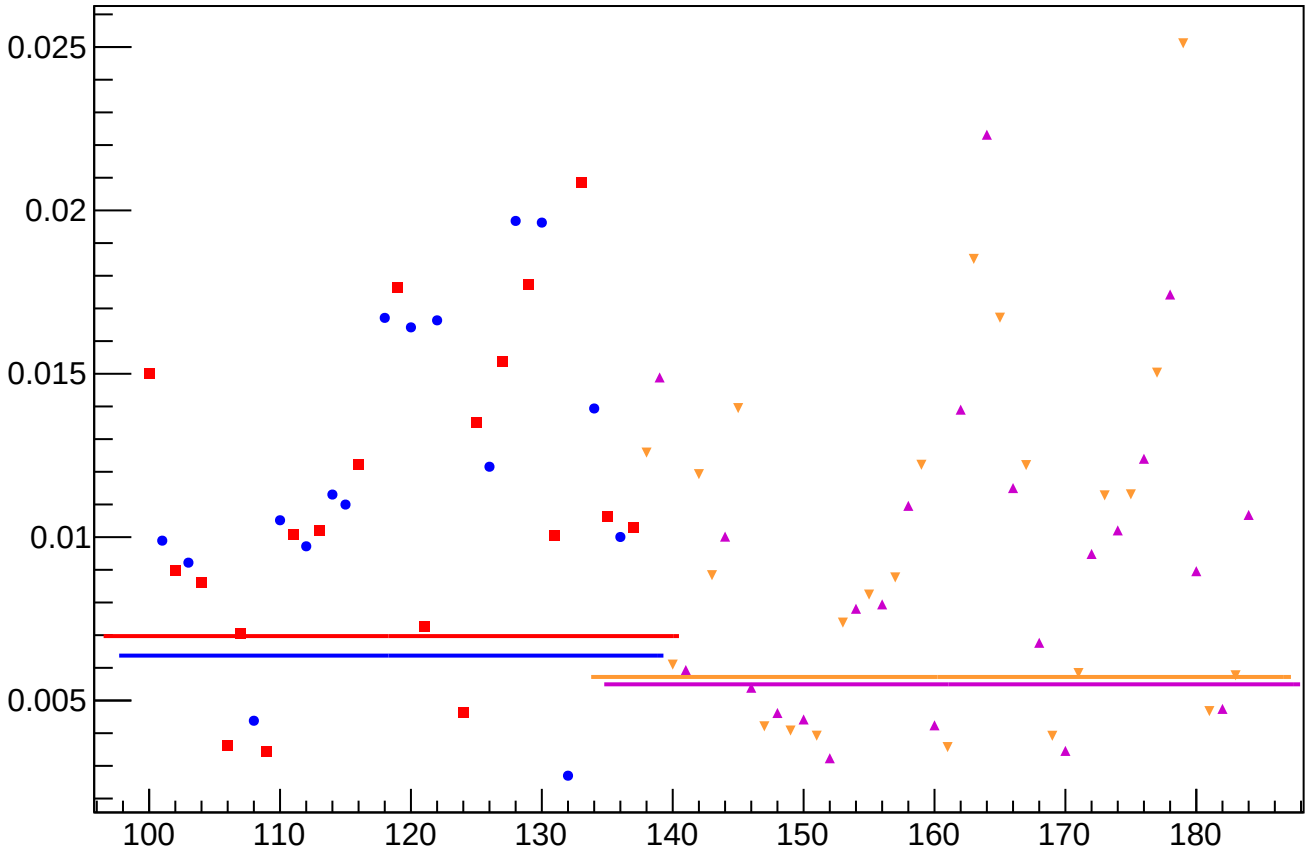
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/39

All: 0.000+/-0.000 χ^2/NDF: 108.0/81

- sign -0.000+/-0.000 χ^2/NDF: 49.9/41



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

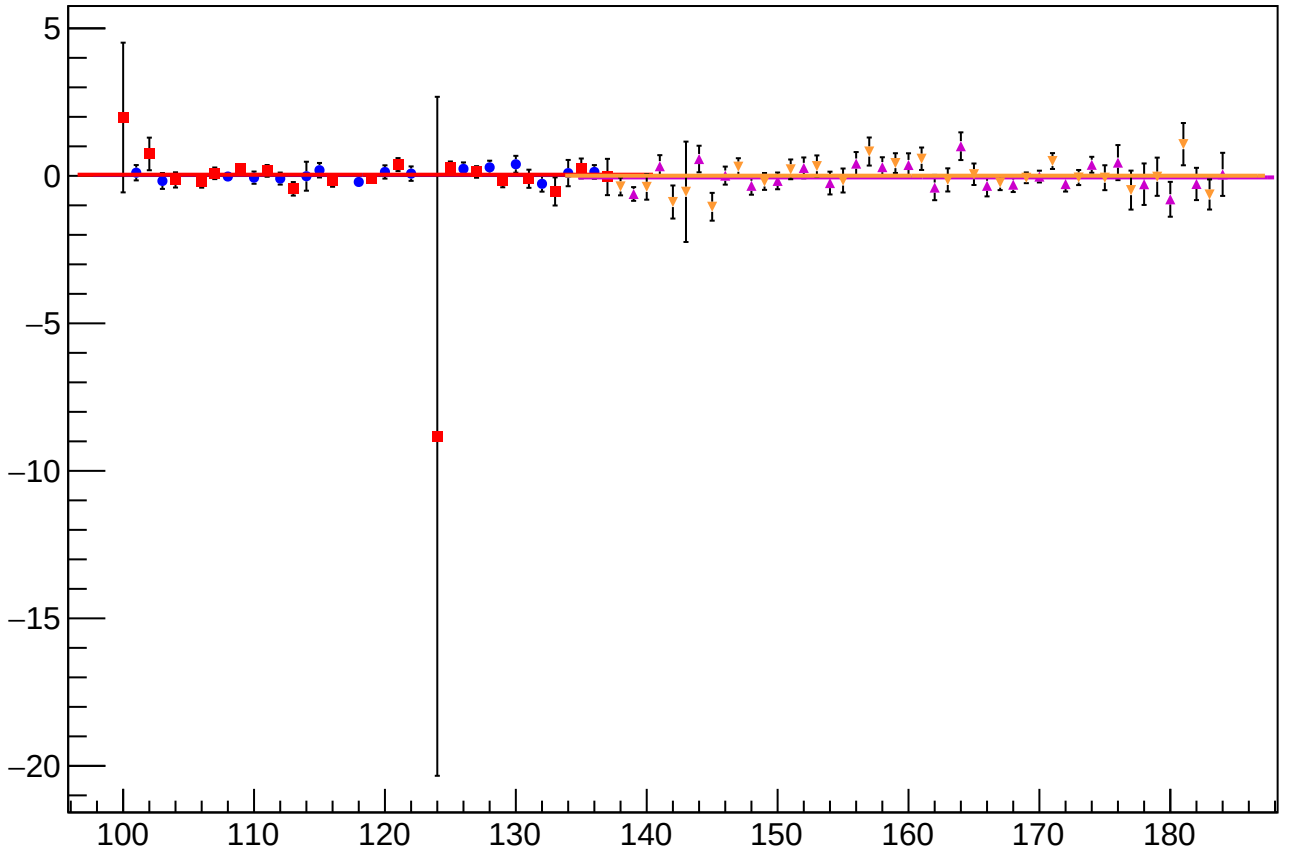
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12715993.1/39

All: 0.006+/-0.000 χ^2/NDF: 23448540.6/81

- sign 0.006+/-0.000 χ^2/NDF: 10730107.5/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

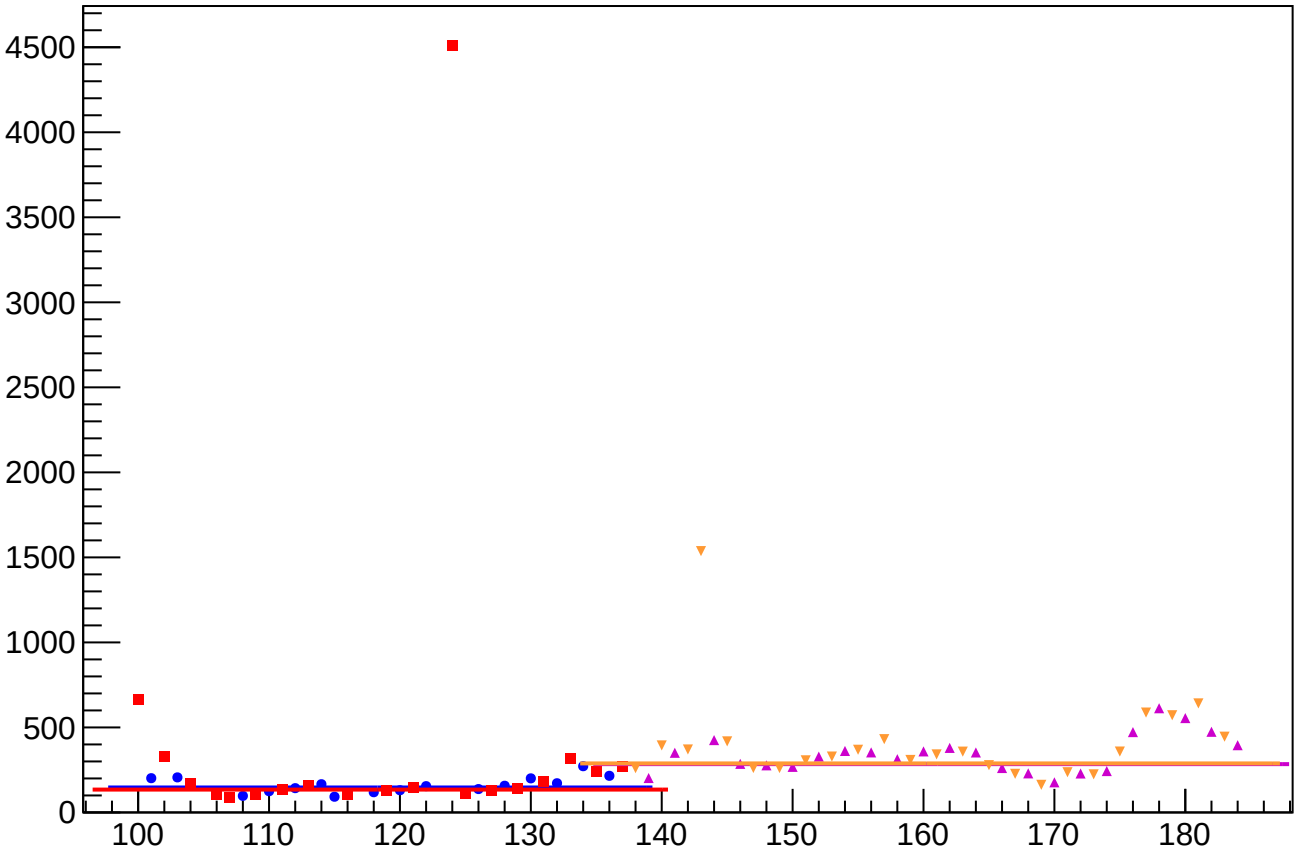
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

\+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

\- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



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

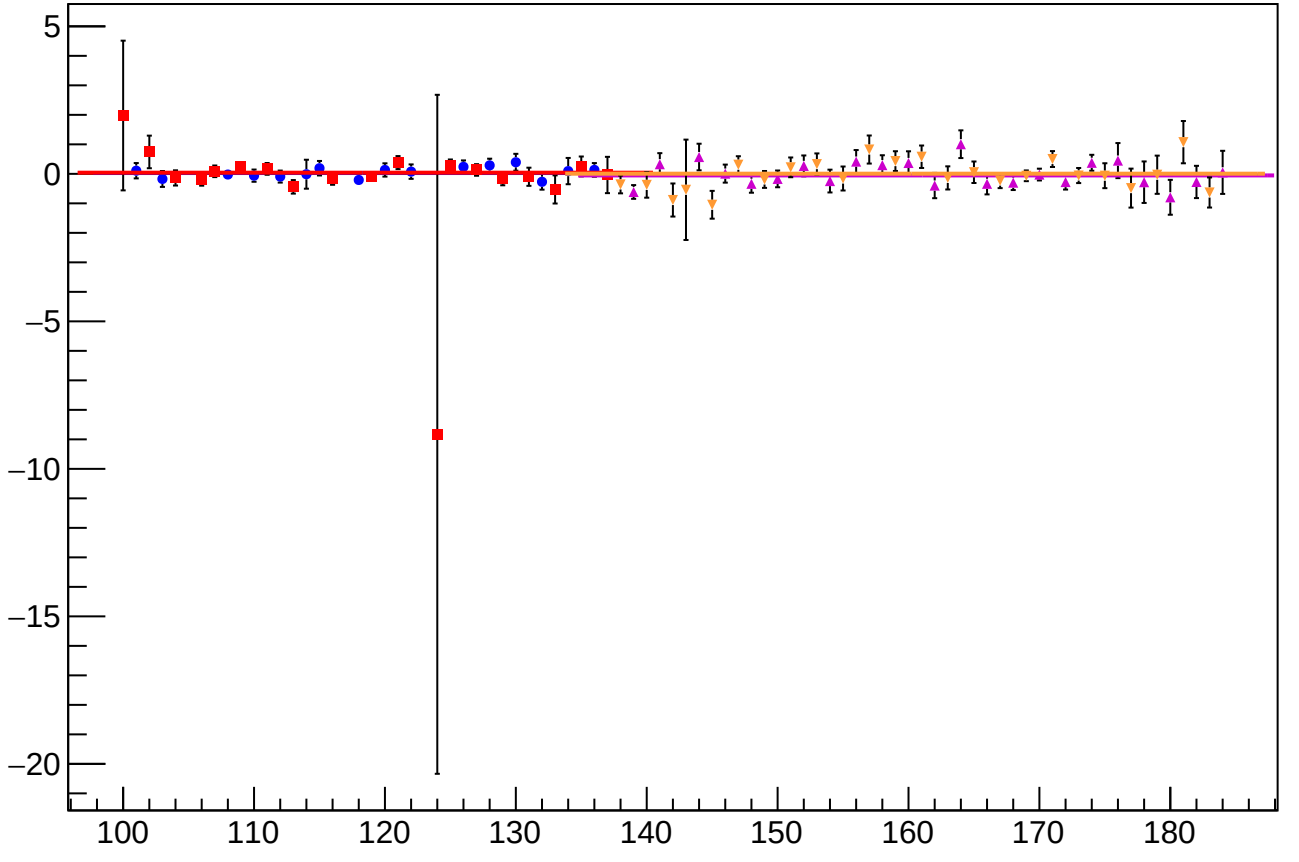
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81

- sign 190.943+/-0.031 χ^2/NDF: 10313538.5/41

asym_atl_dd_atr_dd_avg_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

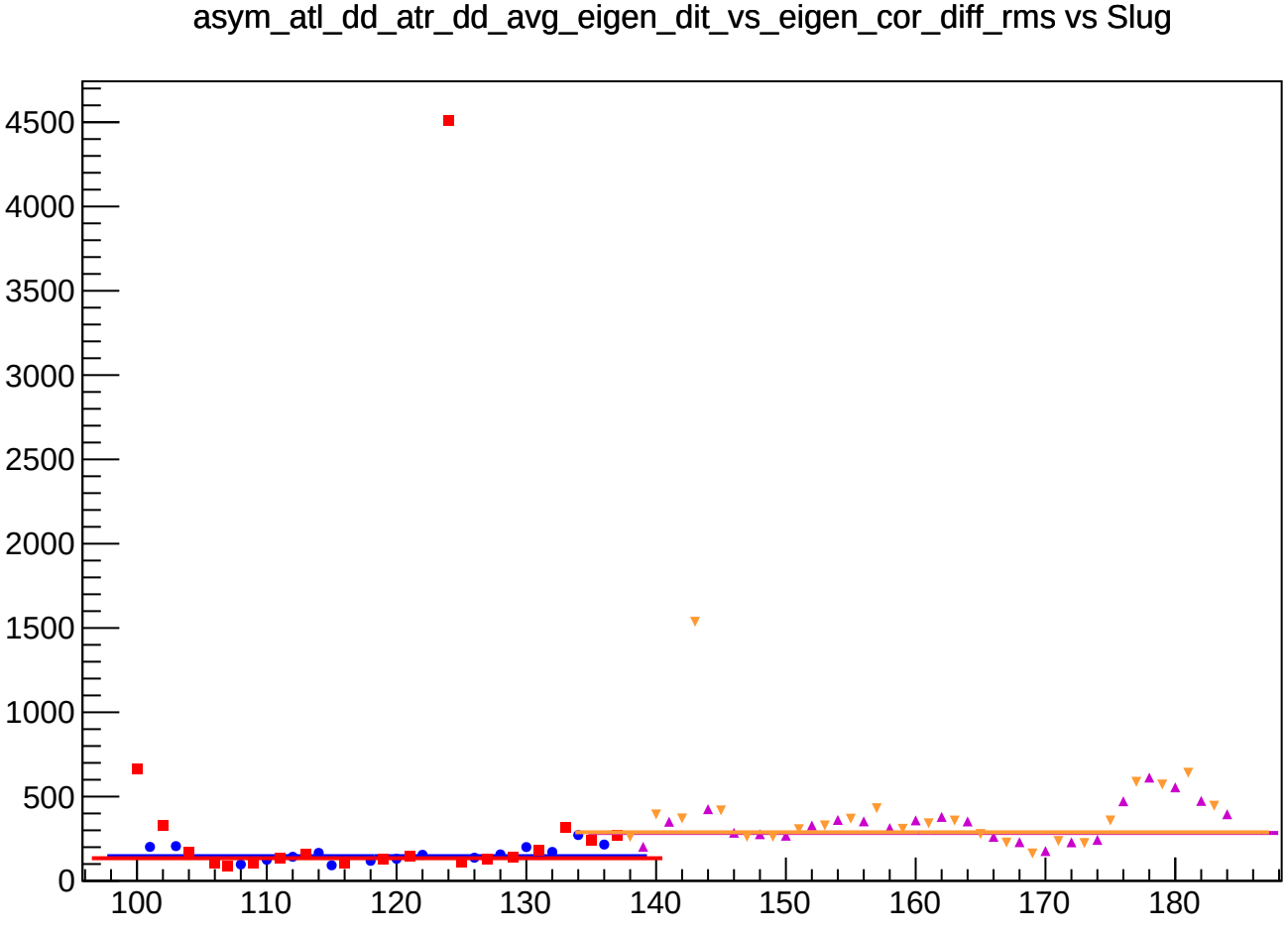
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636246.5/23

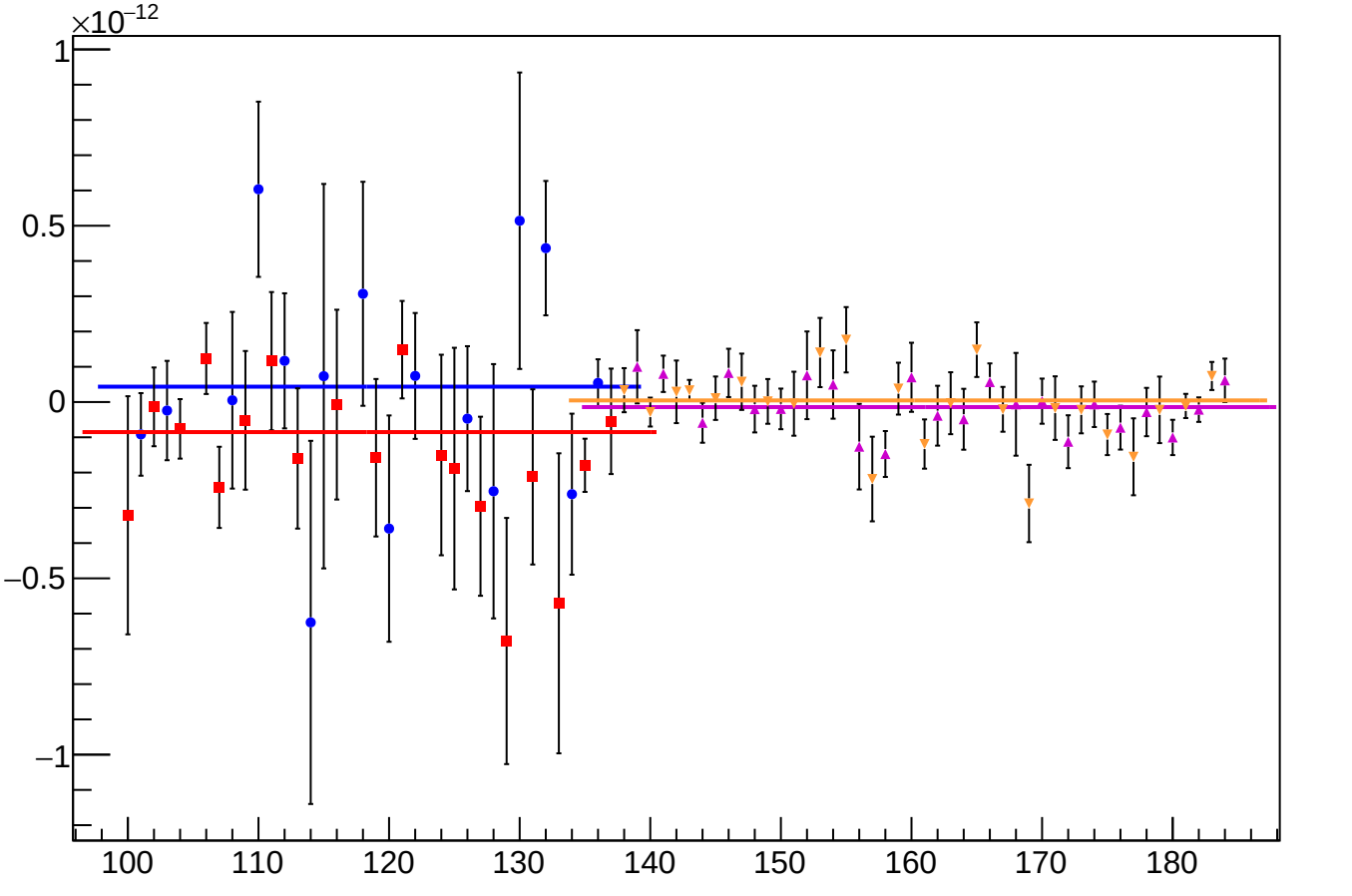
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81

- sign 190.943+/-0.031 χ^2/NDF: 10313538.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/23

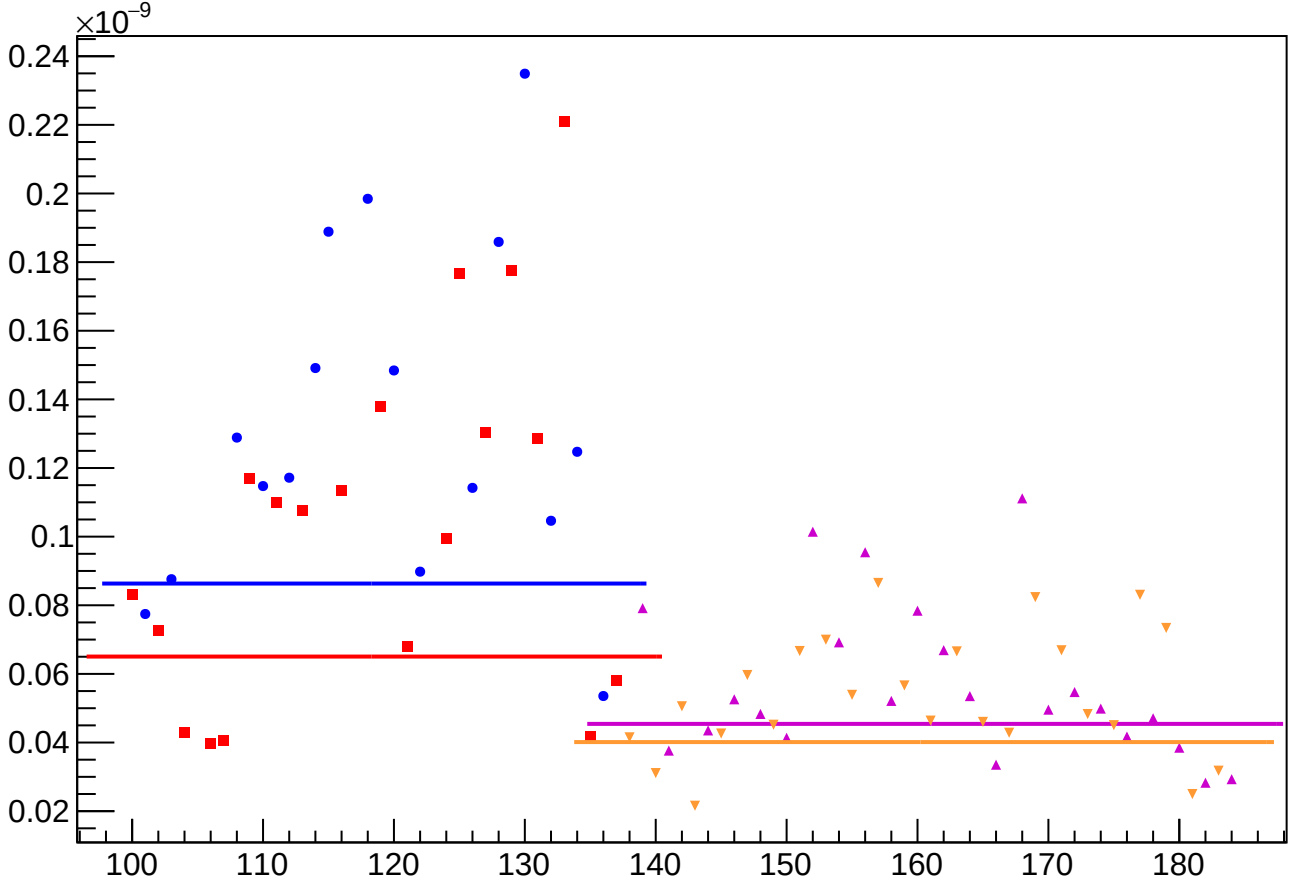
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/39

All: -0.000+/-0.000 χ^2/NDF: 101.8/81

- sign -0.000+/-0.000 χ^2/NDF: 45.1/41



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

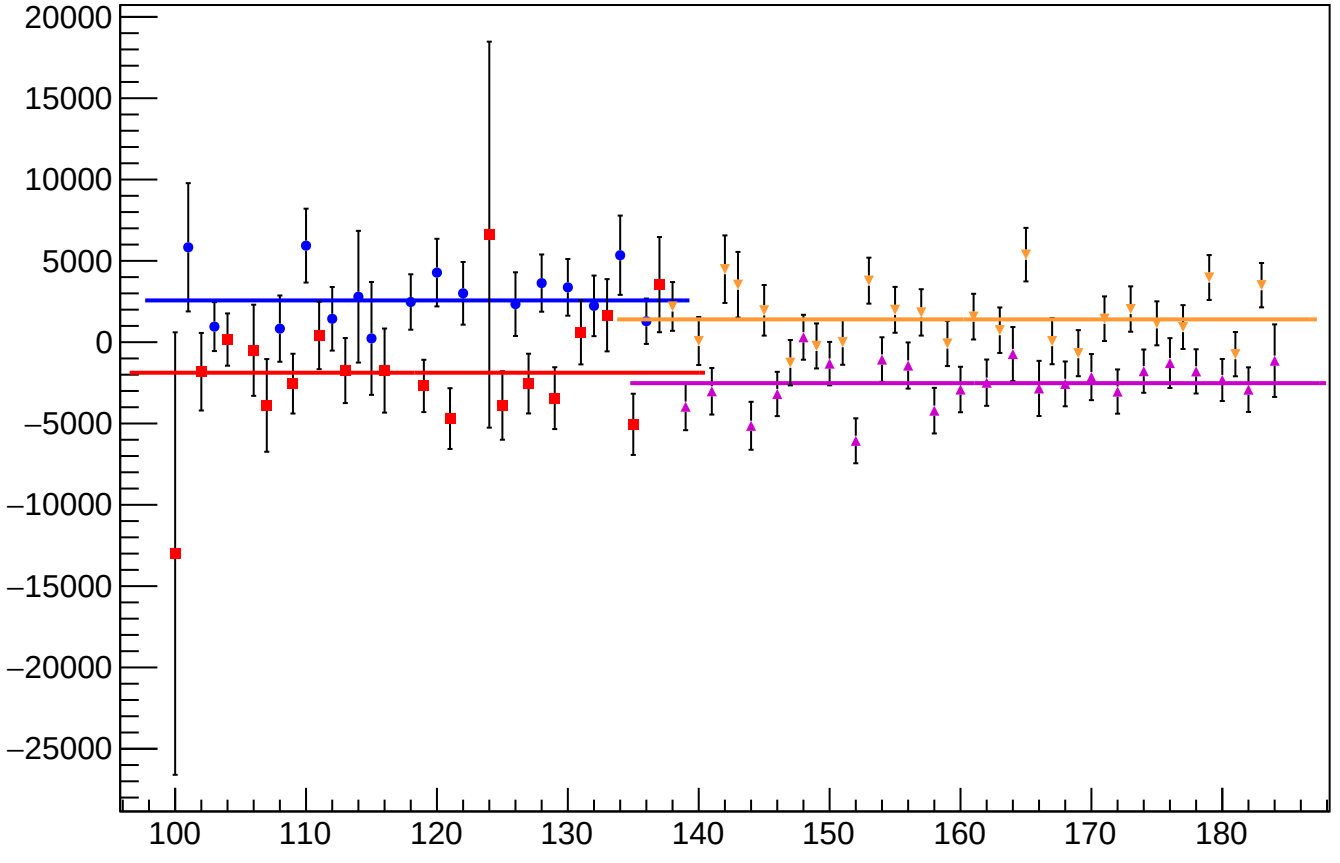
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7331572.3/39

All: 0.000+/-0.000 χ^2/NDF: 12967099.7/81

- sign 0.000+/-0.000 χ^2/NDF: 5506628.4/41

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

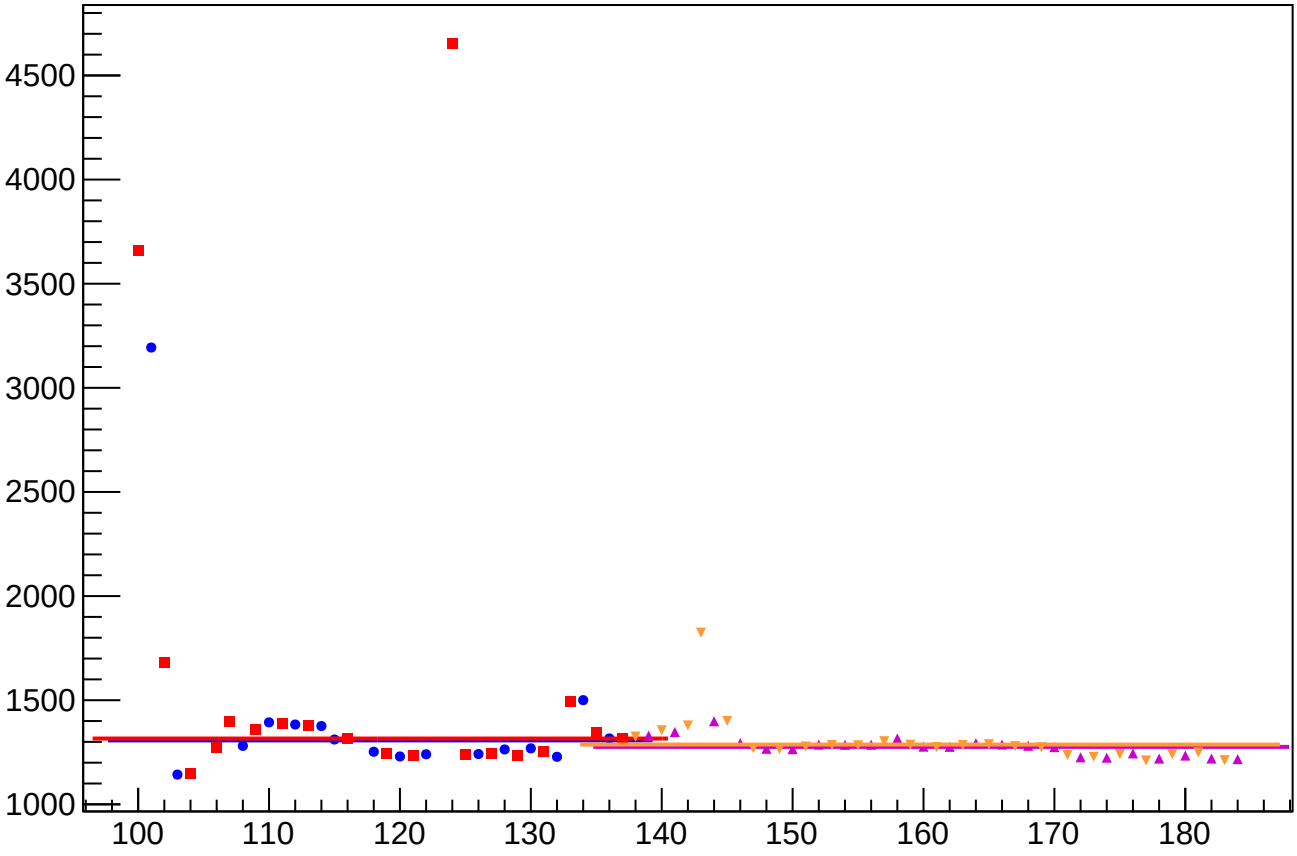
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.032+/-253.511 χ^2/NDF: 45.8/39

All: -306.280+/-179.898 χ^2/NDF: 216.1/81

- sign -2348.537+/-255.326 χ^2/NDF: 43.2/41

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

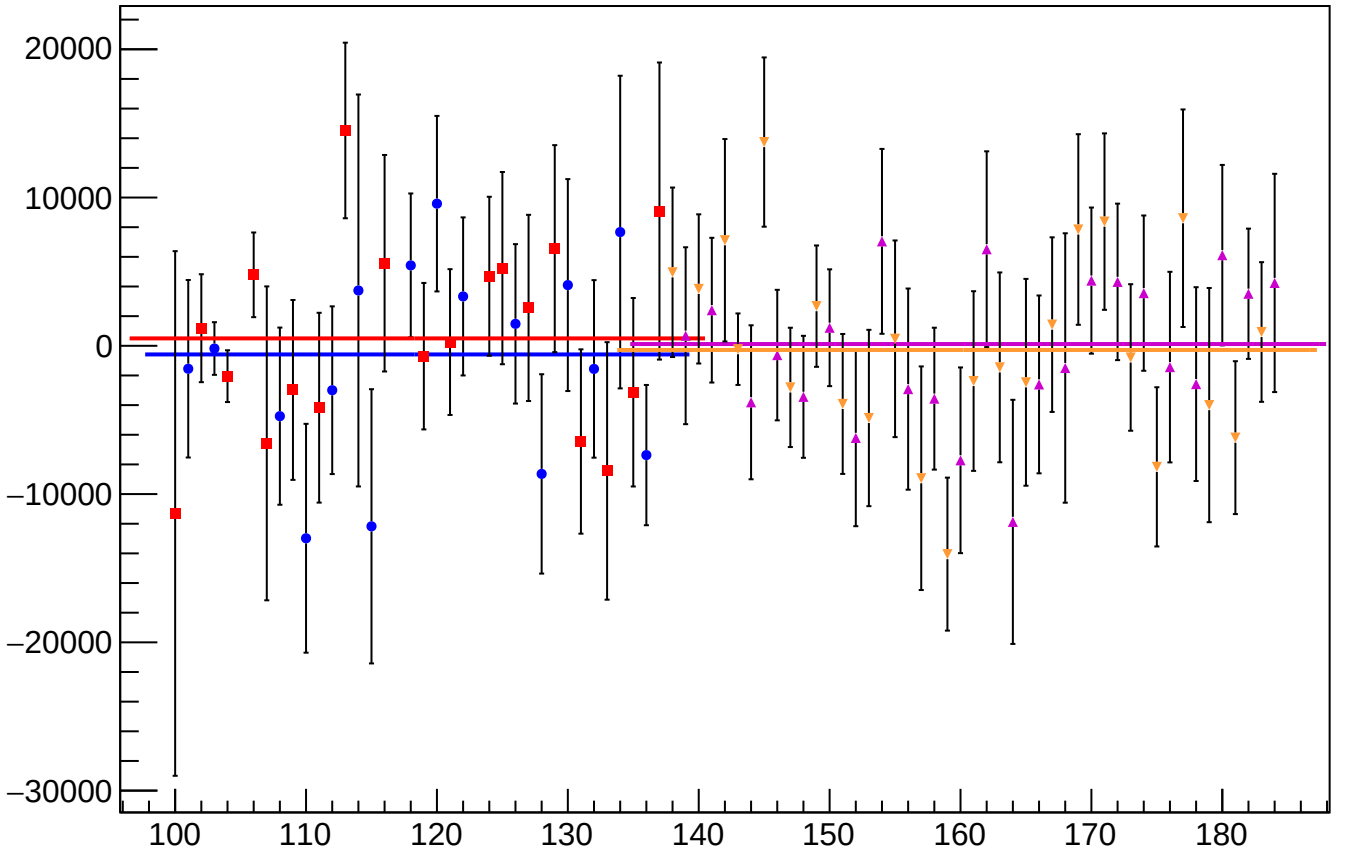
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.307+/-0.179 χ^2/NDF: 706706.7/39

All: 1289.498+/-0.127 χ^2/NDF: 1084678.0/81

- sign 1286.653+/-0.180 χ^2/NDF: 377477.2/41



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -280.655+/-1046.374 χ^2/NDF:28.6/23

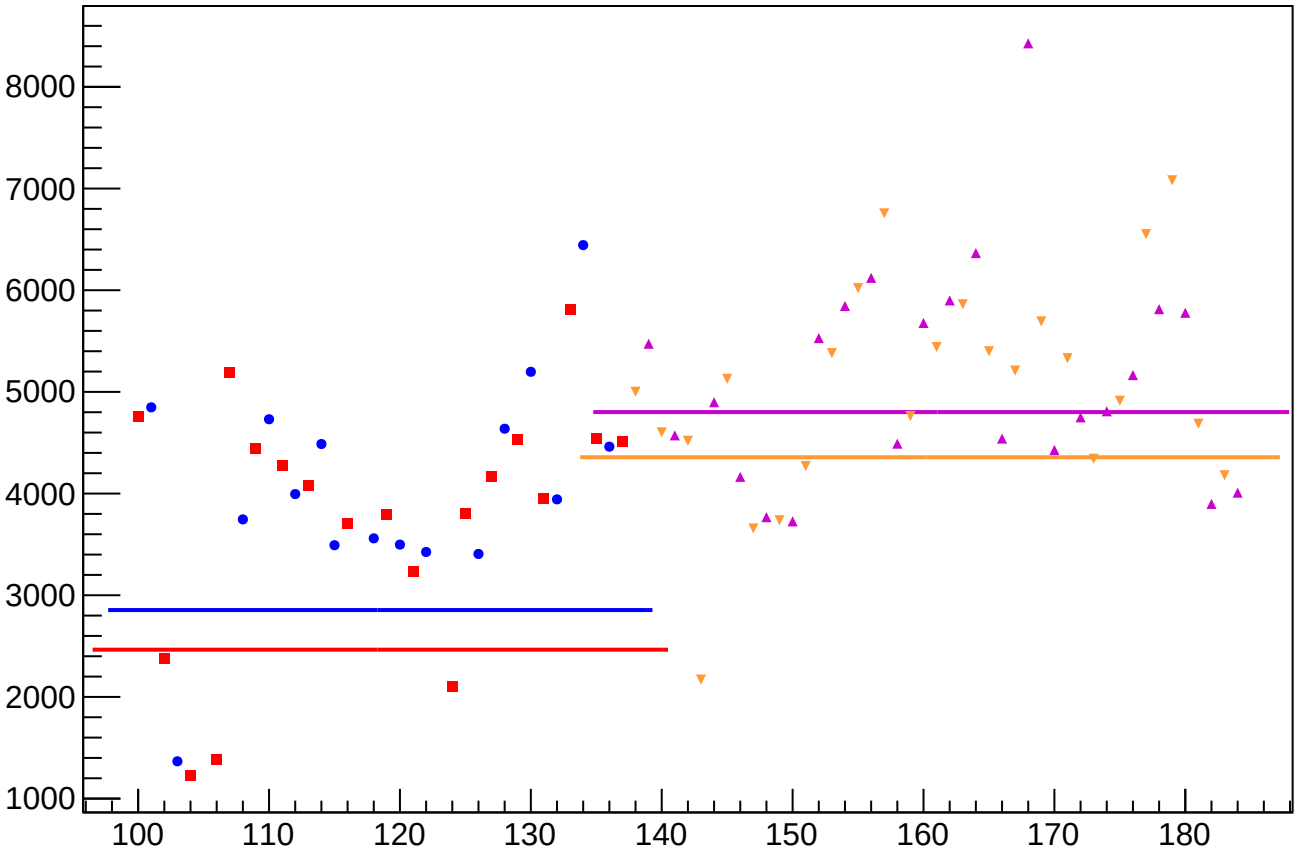
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

\+ sign -411.607+/-786.620 χ^2/NDF: 43.3/39

All: -38.200+/-552.411 χ^2/NDF: 75.1/81

\- sign 325.139+/-775.944 χ^2/NDF: 31.4/41



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

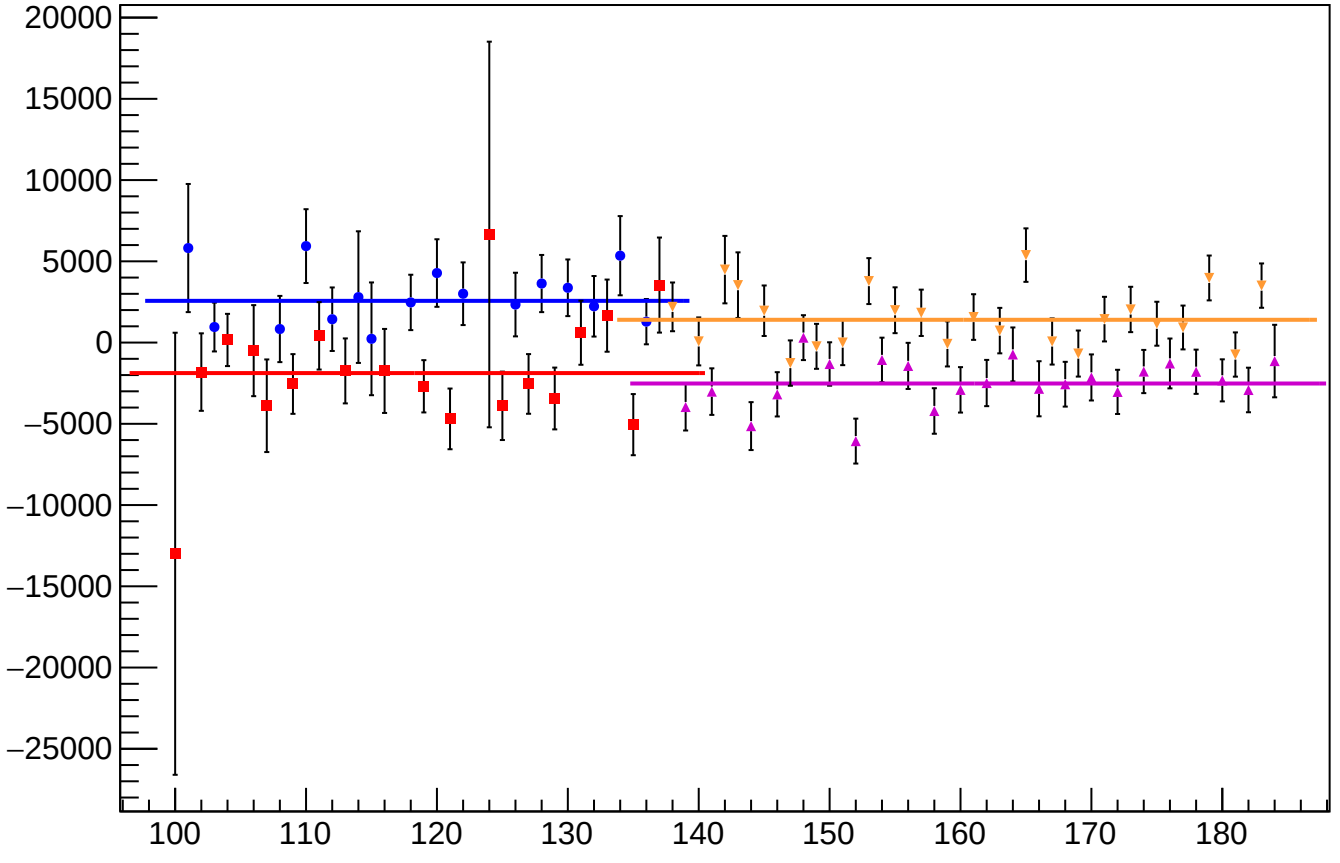
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3703.632+/-0.556 χ^2/NDF: 7769562.2/39

All: 3619.900+/-0.391 χ^2/NDF: 16907773.7/8

- sign 3538.425+/-0.549 χ^2/NDF: 9093500.2/41

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

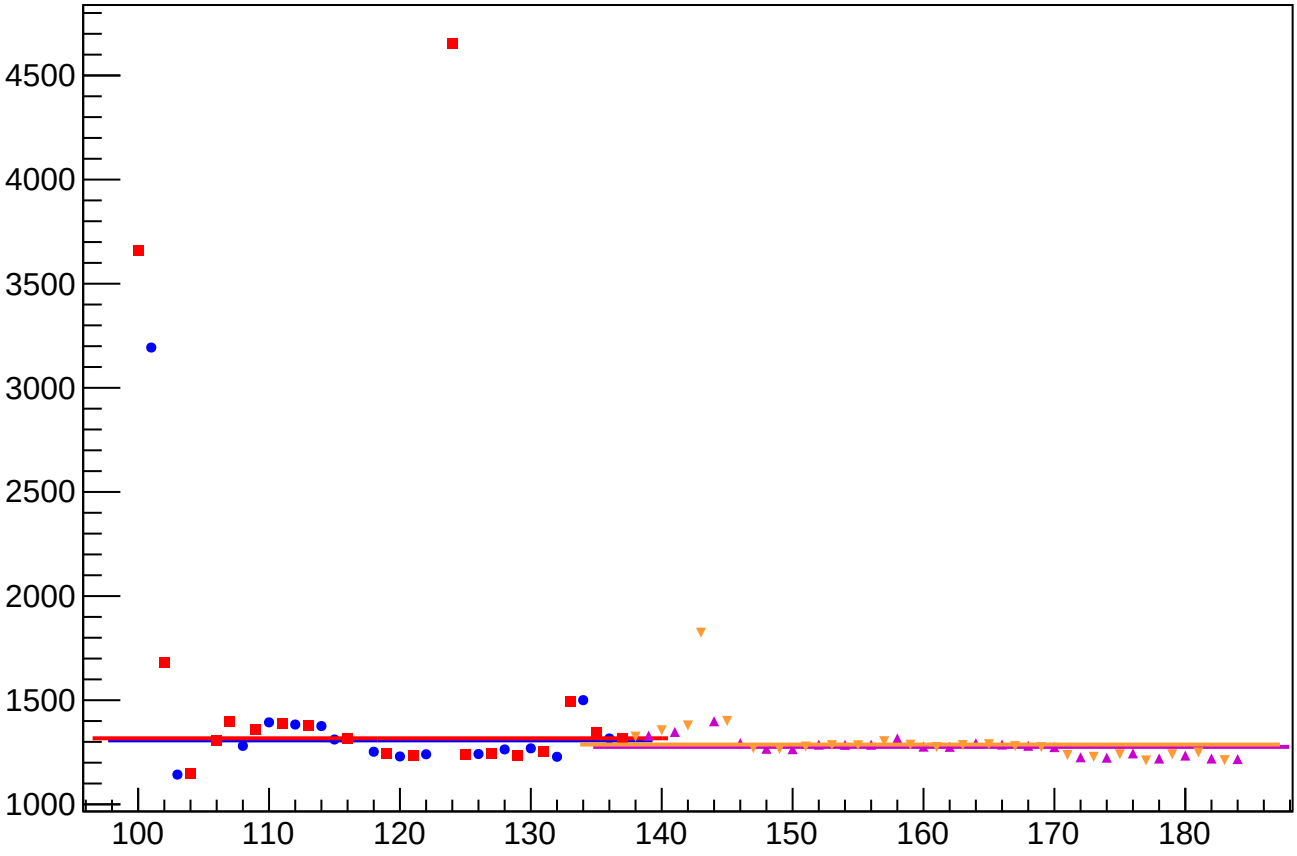
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1706.912+/-253.511 χ^2/NDF: 45.8/39

All: -306.307+/-179.898 χ^2/NDF: 216.1/81

- sign -2348.470+/-255.326 χ^2/NDF: 43.2/41

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

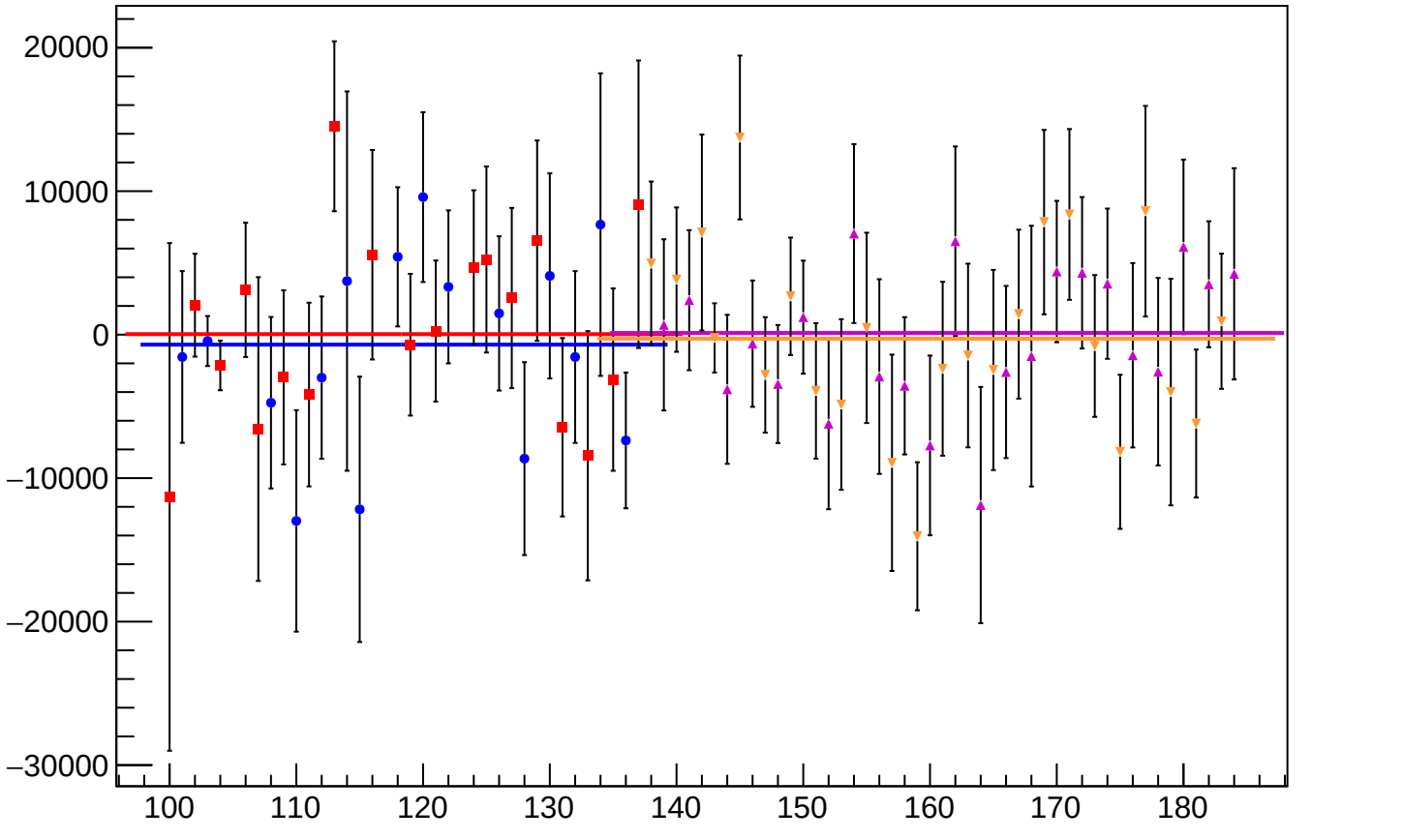
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.306+/-0.179 χ^2/NDF: 706708.1/39

All: 1289.642+/-0.127 χ^2/NDF: 1084677.2/81

- sign 1286.942+/-0.180 χ^2/NDF: 377524.3/41



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -280.651+/-1046.372 χ^2/NDF:28.6/23

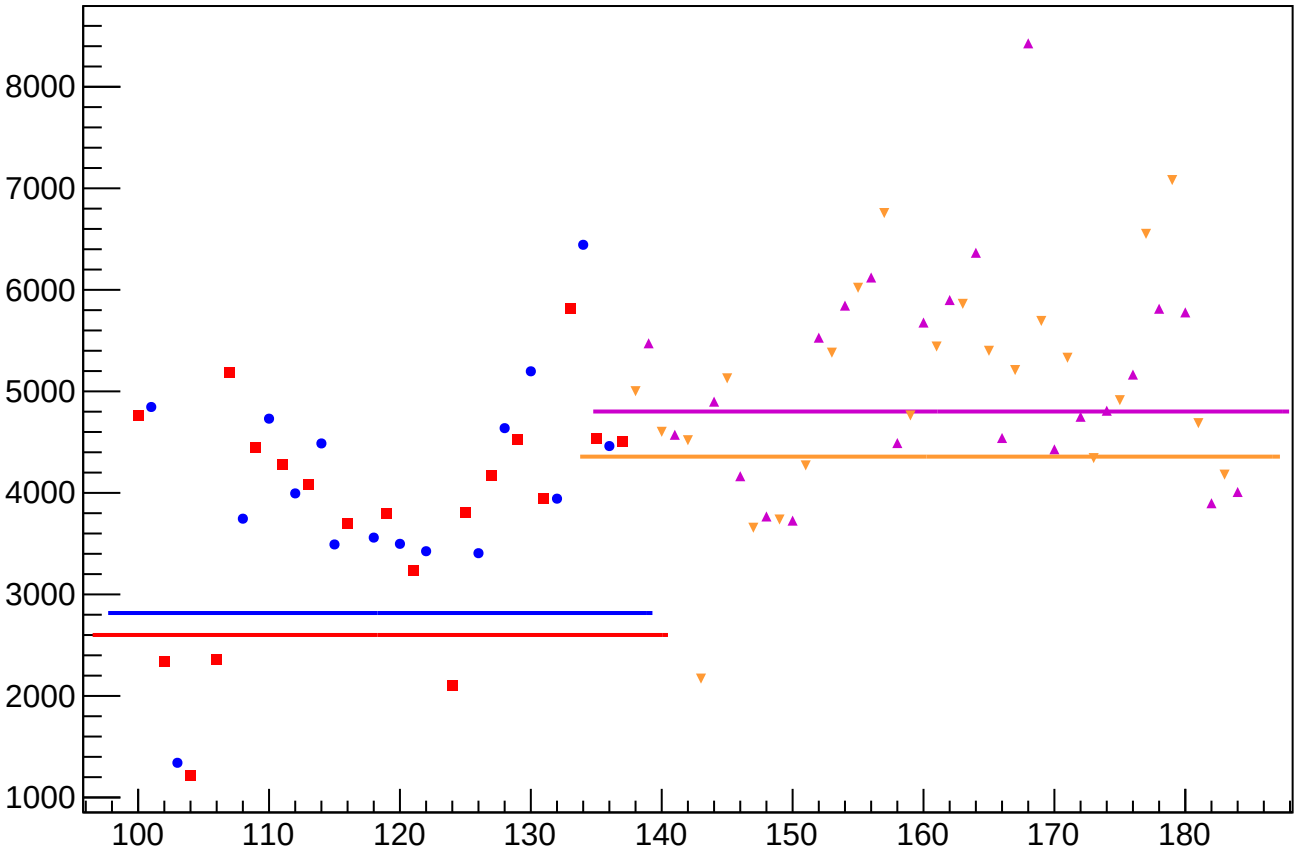
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -462.735+/-783.606 χ^2/NDF: 43.3/39

All: -196.405+/-557.202 χ^2/NDF: 73.1/81

\- sign 75.987+/-792.475 χ^2/NDF: 29.5/41



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

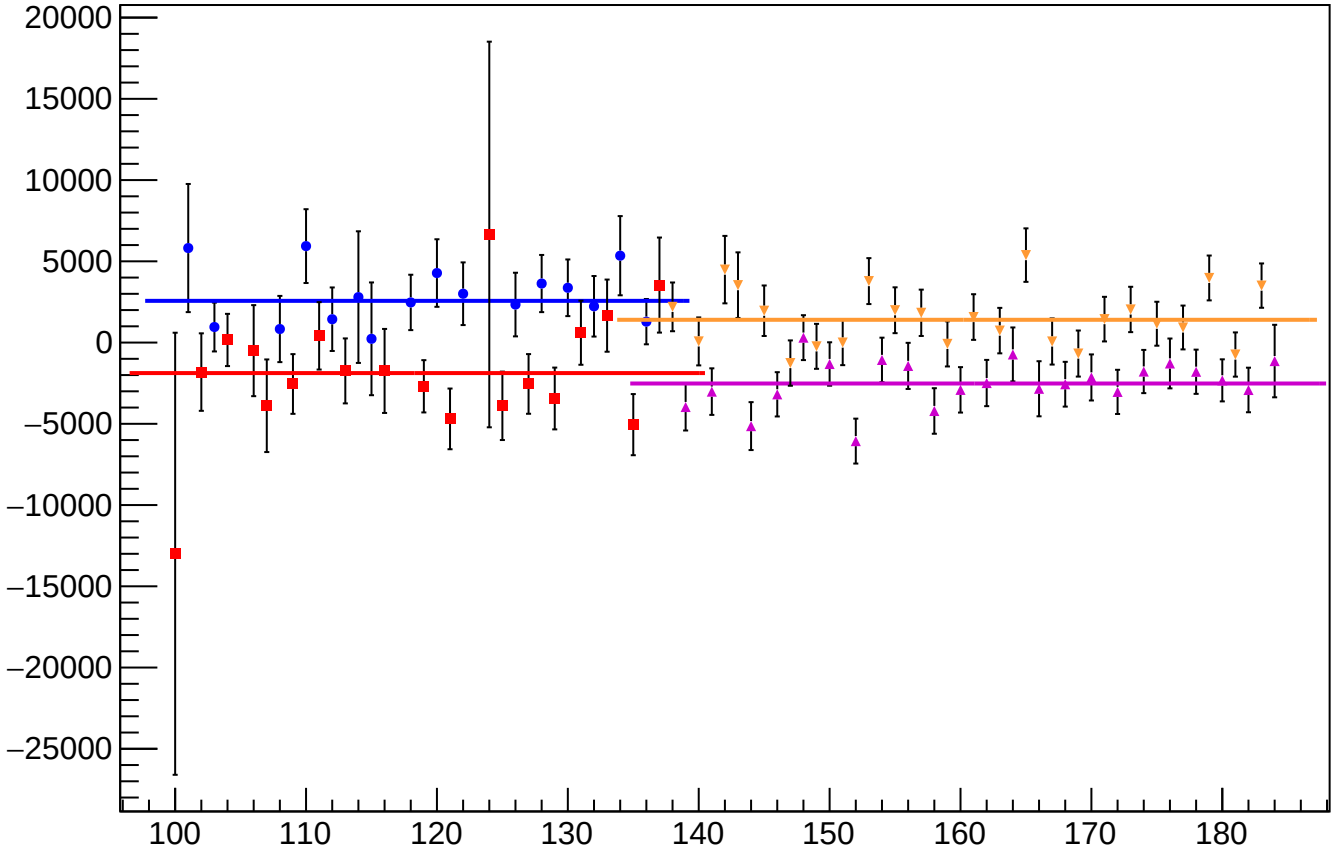
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3680.654+/-0.554 χ^2/NDF: 7981785.1/39

All: 3668.192+/-0.394 χ^2/NDF: 16145922.4/8

- sign 3655.446+/-0.560 χ^2/NDF: 8163114.0/41

eigen_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

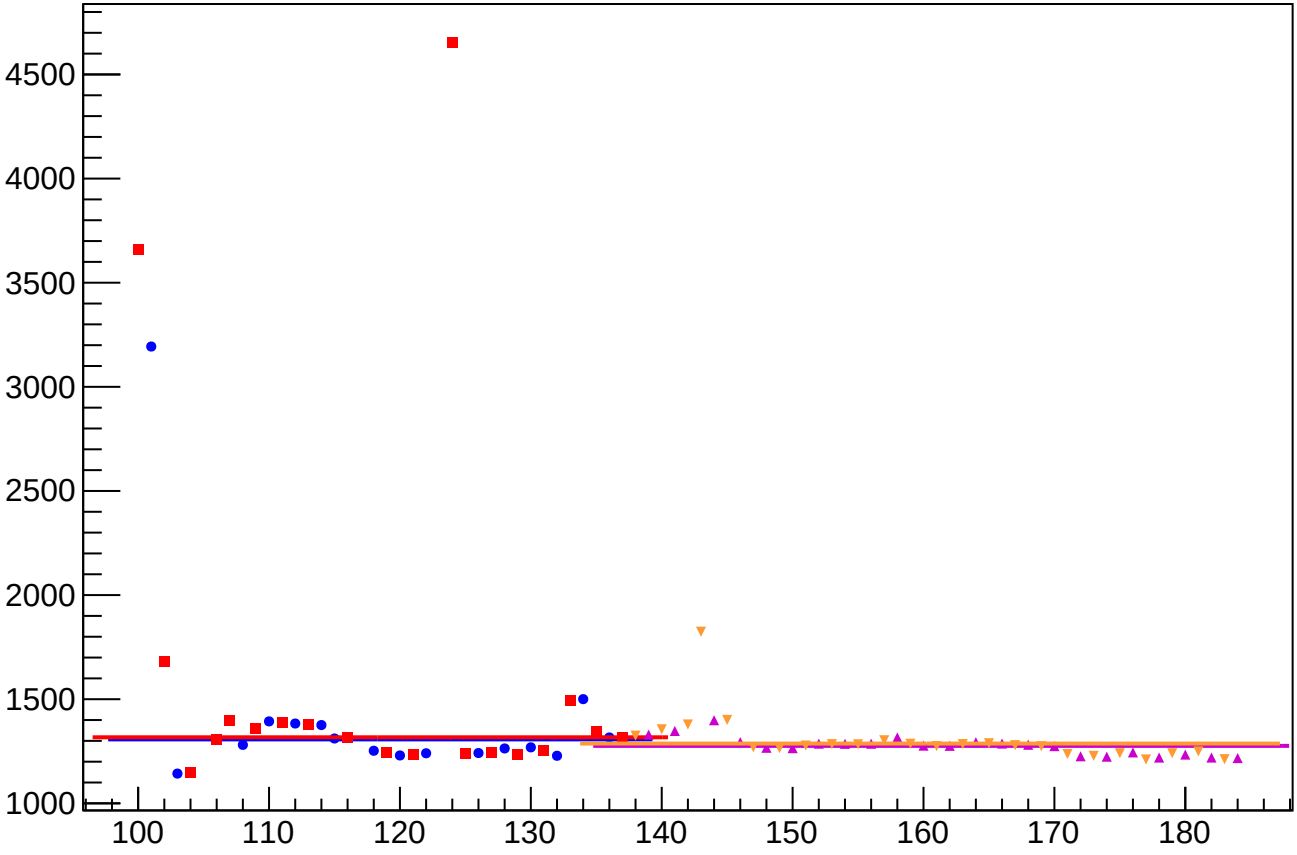
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1706.912+/-253.511 χ^2/NDF: 45.8/39

All: -306.307+/-179.898 χ^2/NDF: 216.1/81

- sign -2348.470+/-255.326 χ^2/NDF: 43.2/41

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

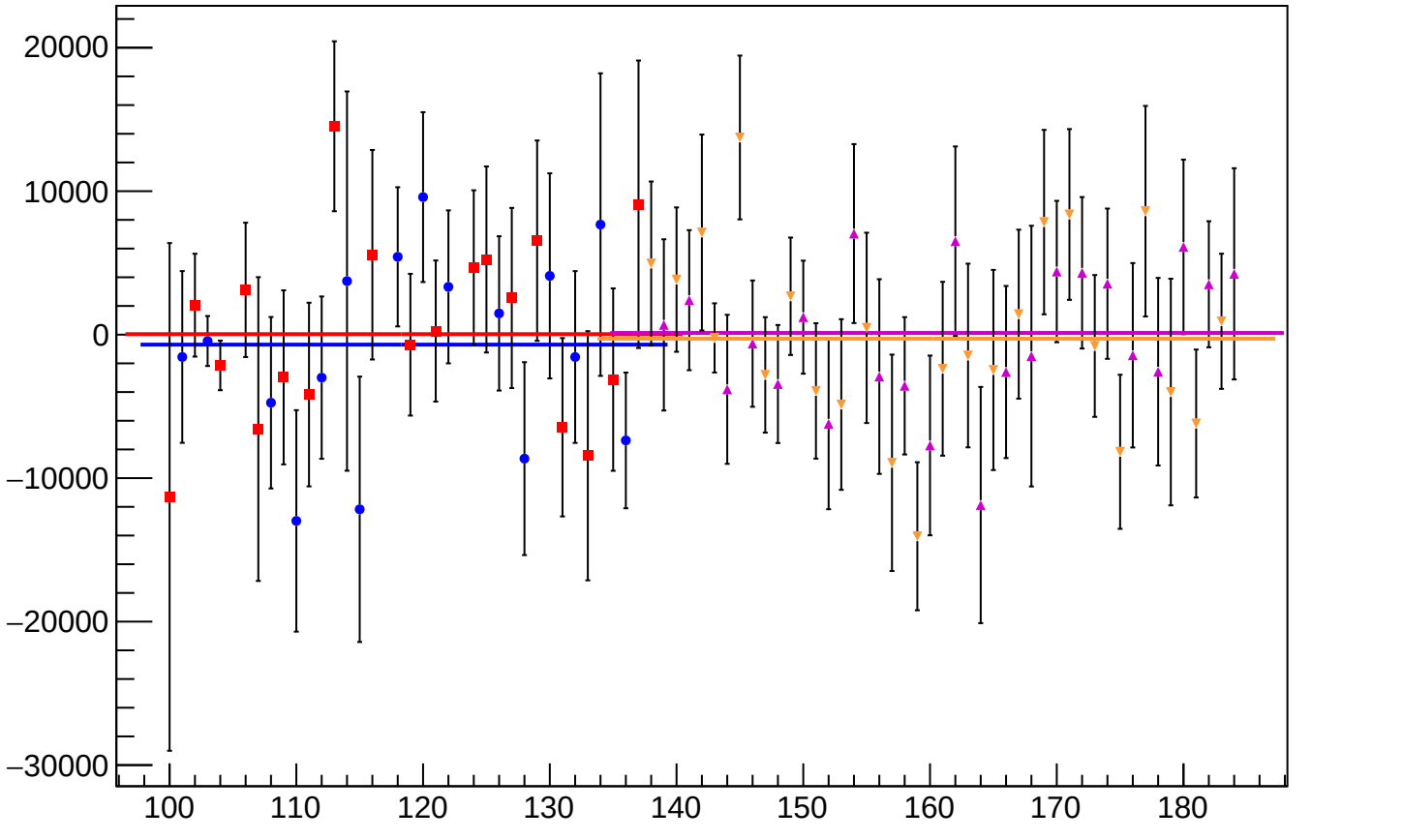
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.306+/-0.179 χ^2/NDF: 706708.1/39

All: 1289.642+/-0.127 χ^2/NDF: 1084677.2/81

- sign 1286.942+/-0.180 χ^2/NDF: 377524.3/41



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -280.651+/-1046.372 χ^2/NDF:28.6/23

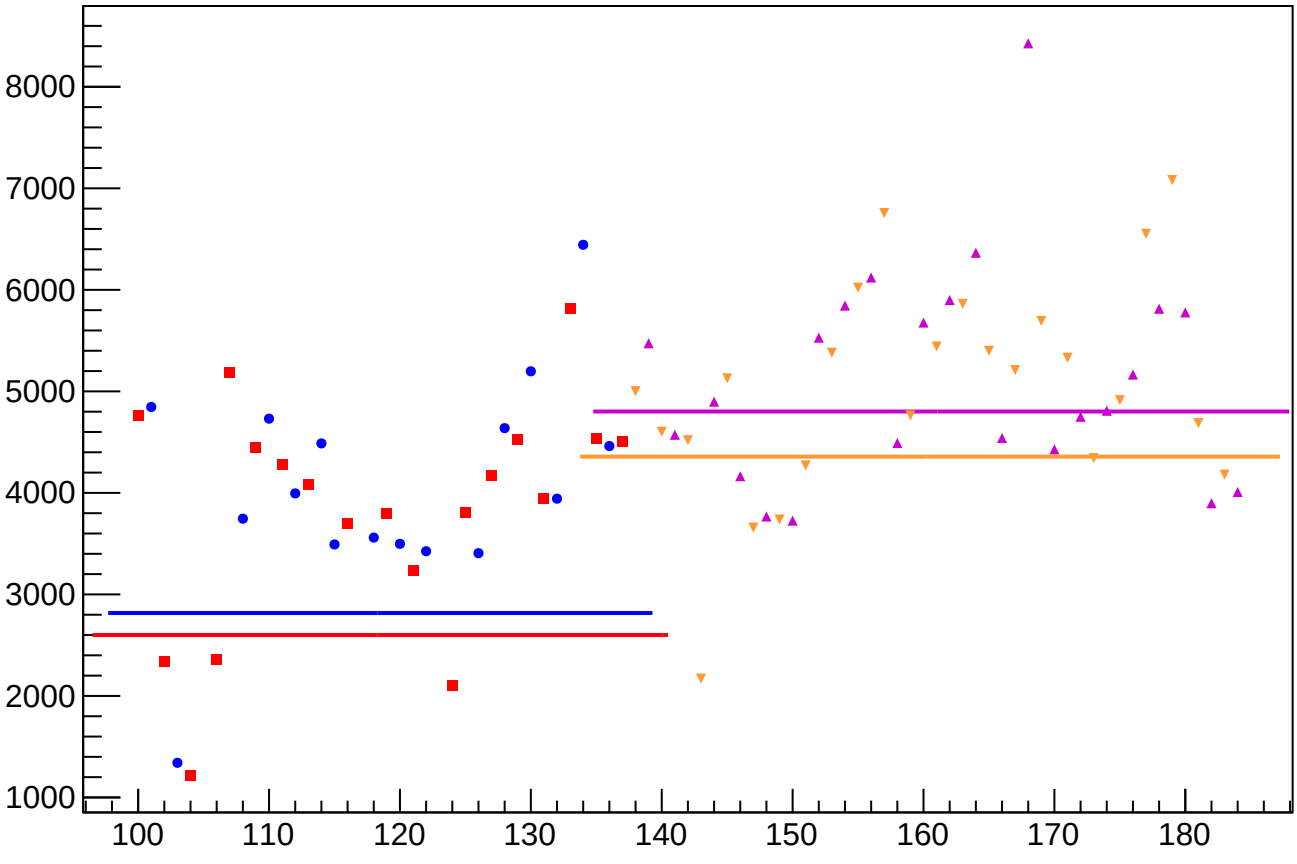
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -462.735+/-783.606 χ^2/NDF: 43.3/39

All: -196.405+/-557.202 χ^2/NDF: 73.1/81

- sign 75.987+/-792.475 χ^2/NDF: 29.5/41



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4357.154+/-0.740 χ^2/NDF:3070724.6/23

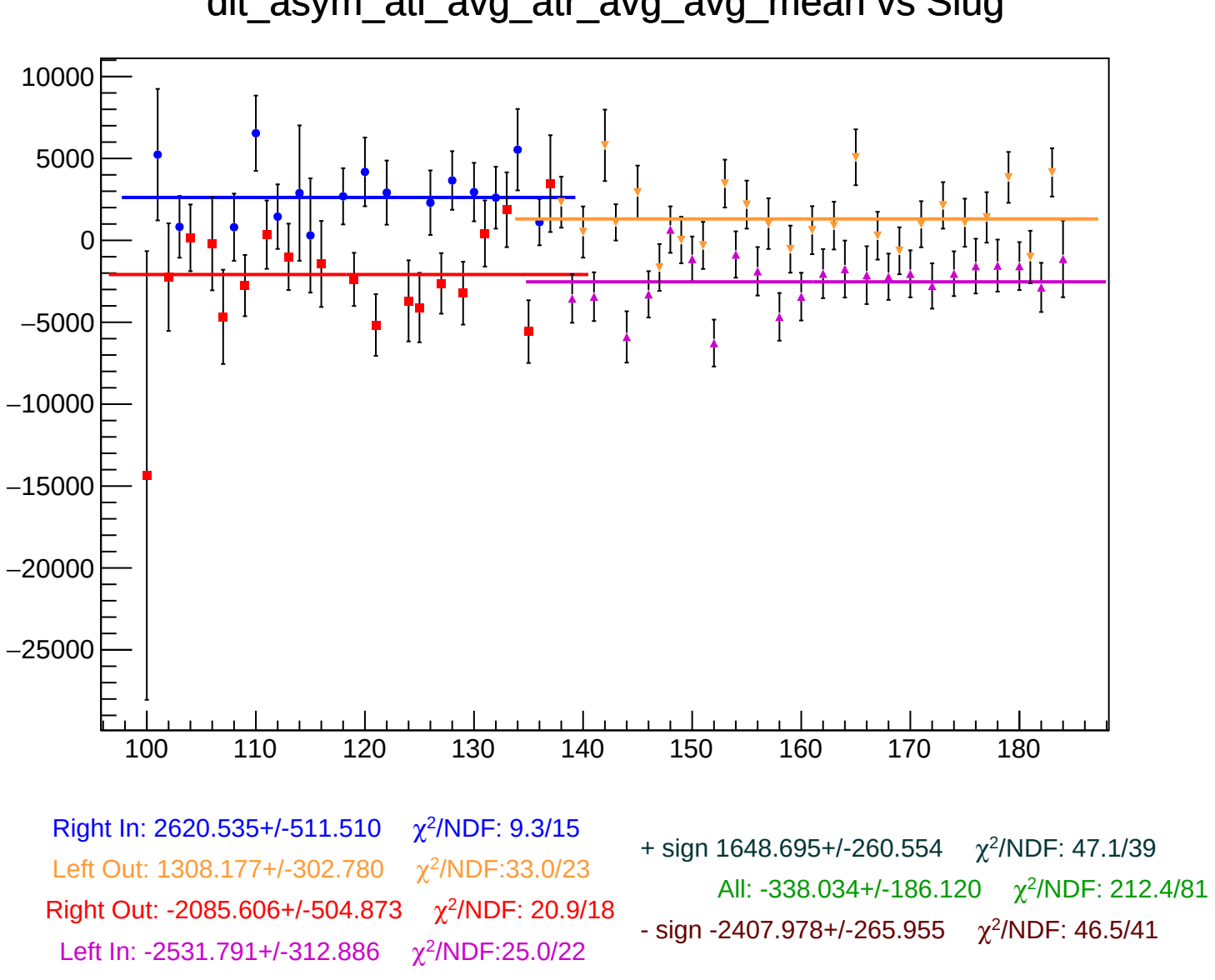
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

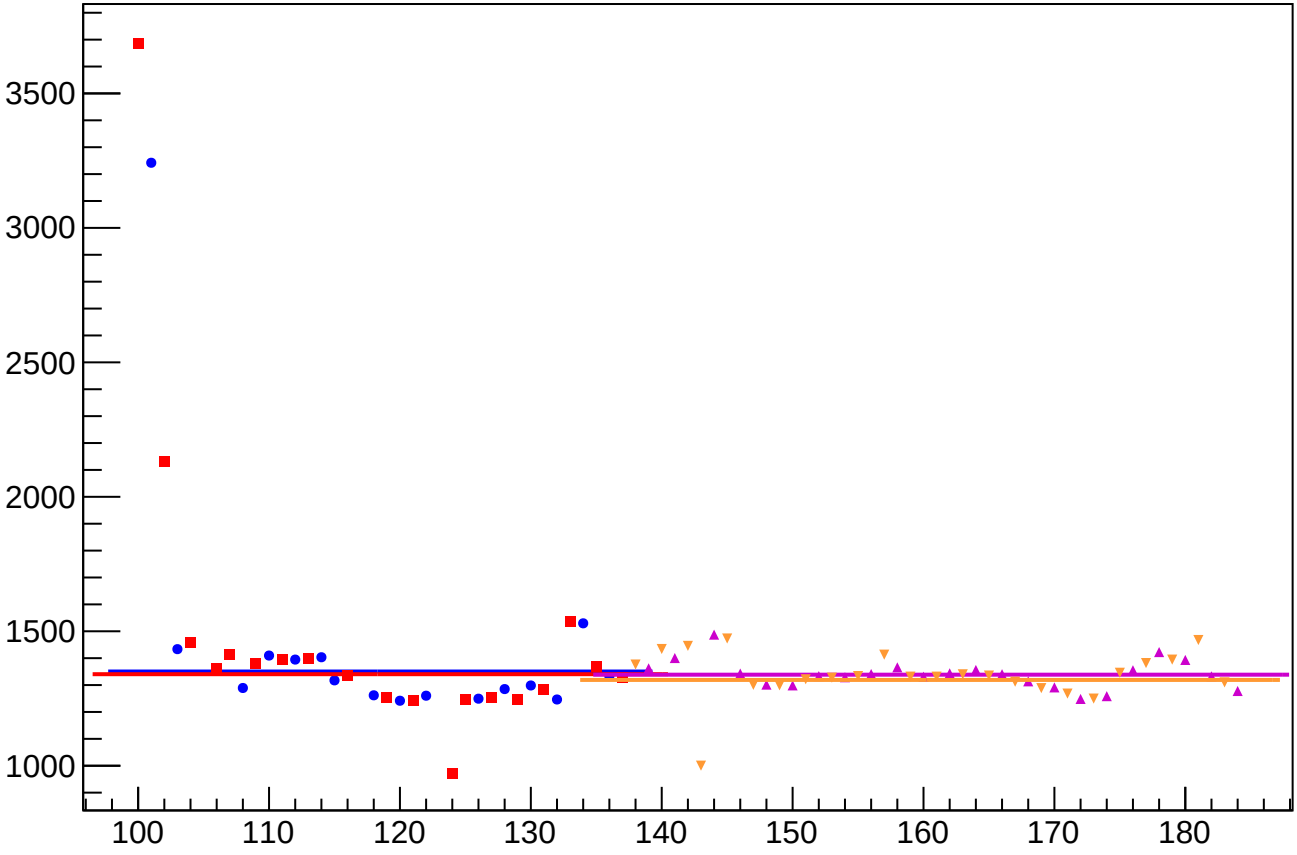
+ sign 3680.654+/-0.554 χ^2/NDF: 7981785.1/39

All: 3668.192+/-0.394 χ^2/NDF: 16145922.4/8

- sign 3655.446+/-0.560 χ^2/NDF: 8163114.0/41


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: 1308.177+/-302.780 χ²/NDF:33.0/23
Right Out: -2085.606+/-504.873 χ²/NDF: 20.9/18
Left In: -2531.791+/-312.886 χ²/NDF:25.0/22
+ sign 1648.695+/-260.554 χ²/NDF: 47.1/39
All: -338.034+/-186.120 χ²/NDF: 212.4/81
- sign -2407.978+/-265.955 χ²/NDF: 46.5/41

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

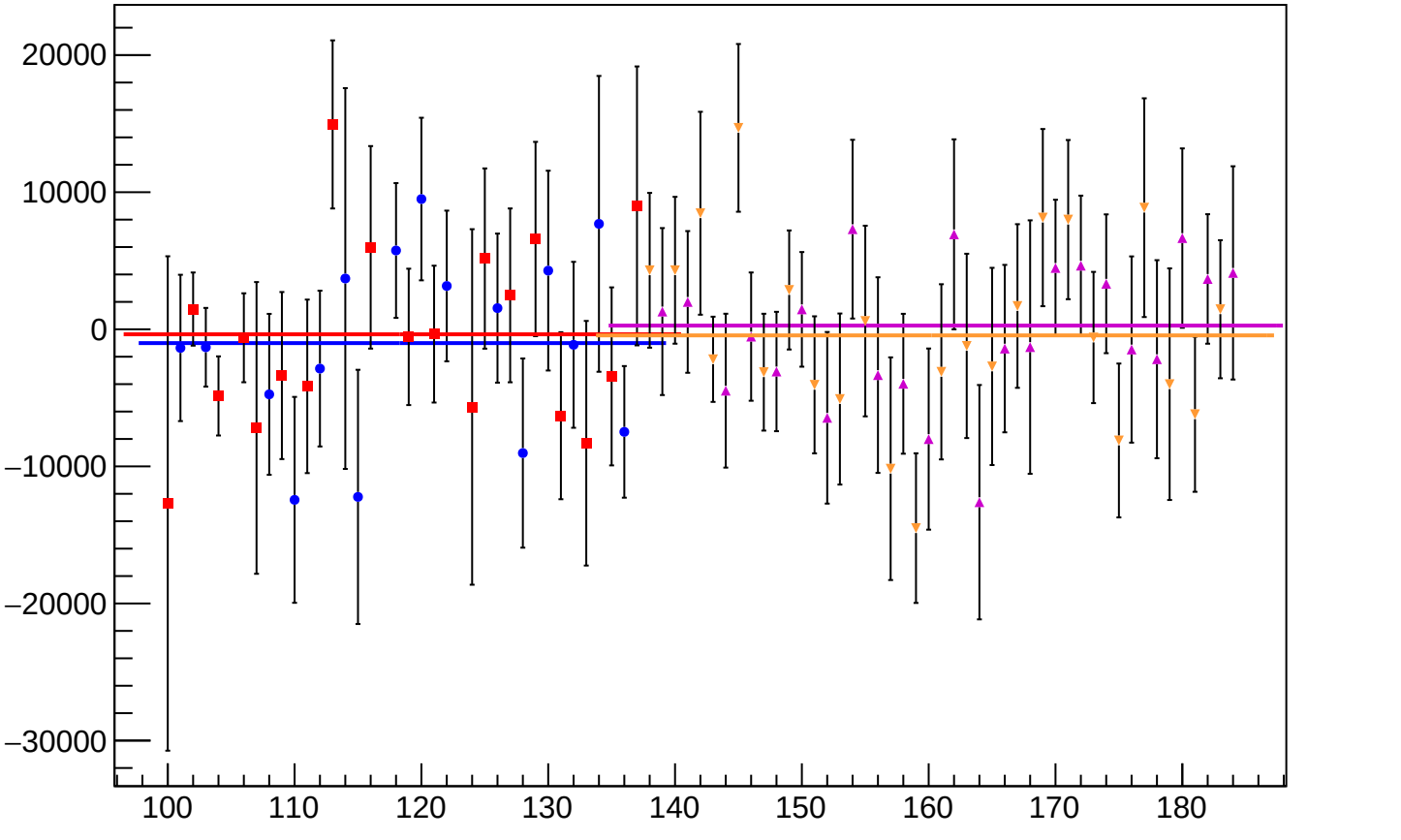
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1327.198+/-0.184 χ^2/NDF: 746932.8/39

All: 1333.033+/-0.132 χ^2/NDF: 1075431.1/81

- sign 1339.110+/-0.188 χ^2/NDF: 326450.9/41



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -444.550+/-1131.226 χ^2/NDF:28.4/23

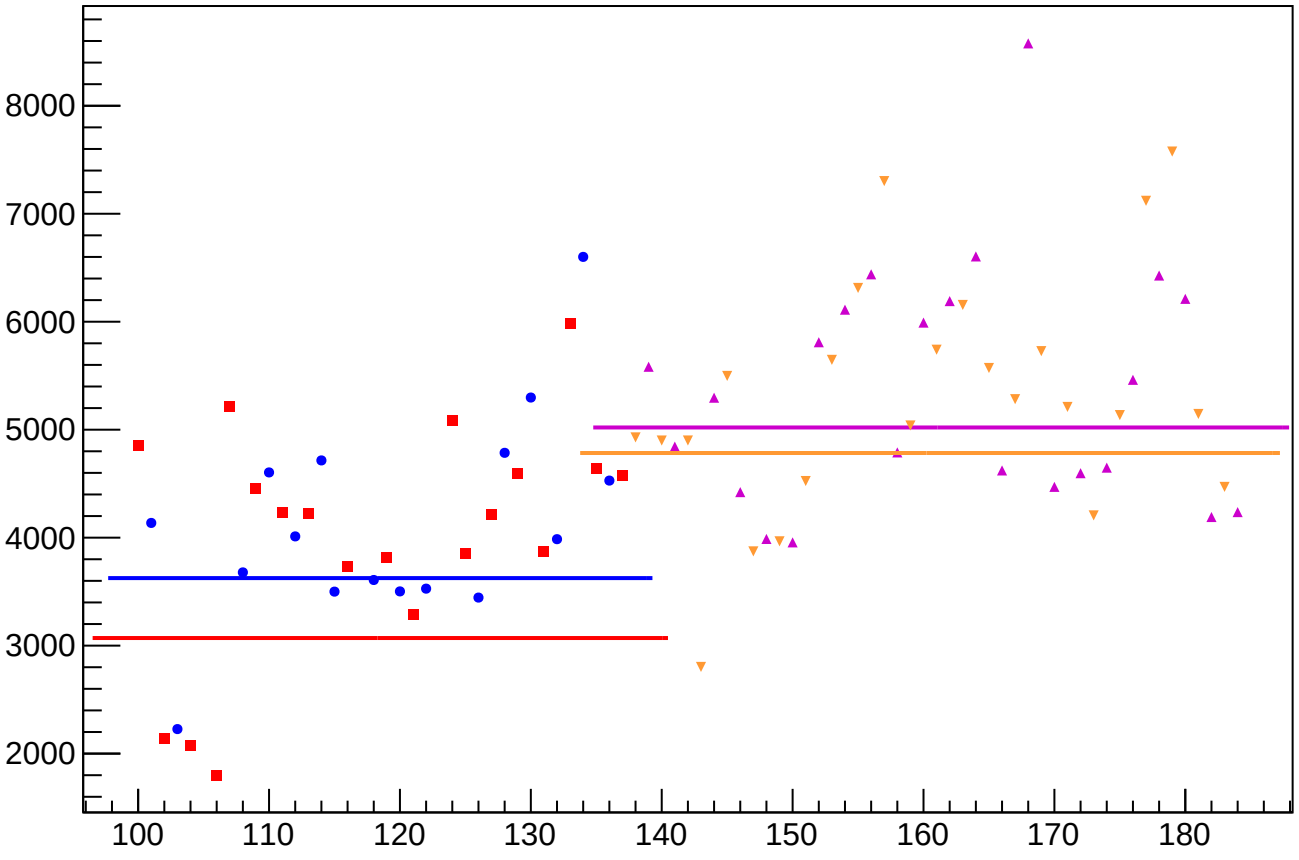
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -665.766+/-880.991 χ^2/NDF: 43.1/39

All: -343.268+/-611.059 χ^2/NDF: 73.1/81

- sign -44.277+/-848.274 χ^2/NDF: 29.8/41



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

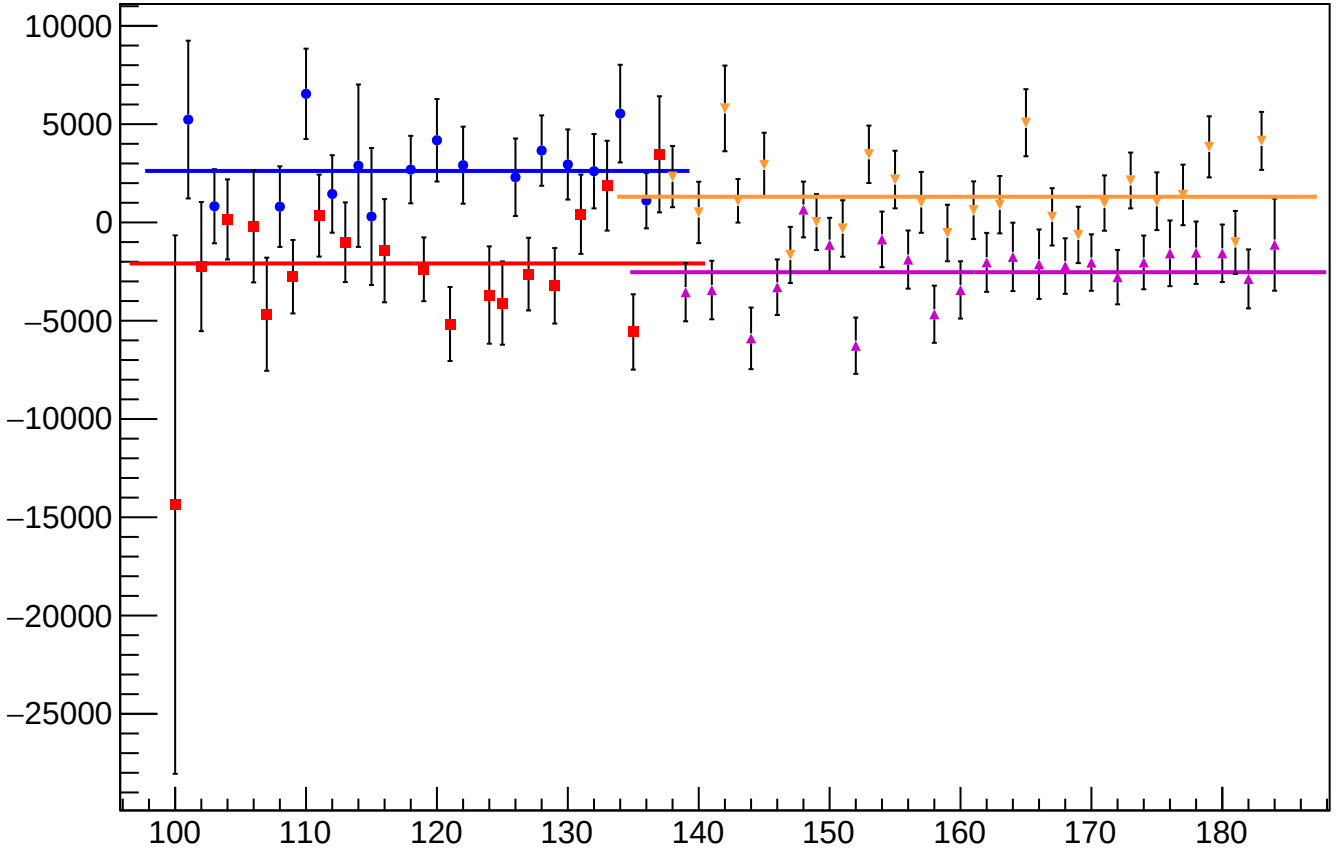
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4328.217+/-0.623 χ^2/NDF: 3775283.2/39

All: 4183.914+/-0.432 χ^2/NDF: 9584903.9/81

- sign 4050.129+/-0.600 χ^2/NDF: 5706215.0/41

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1308.172+/-302.780 χ^2/NDF:33.0/23

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

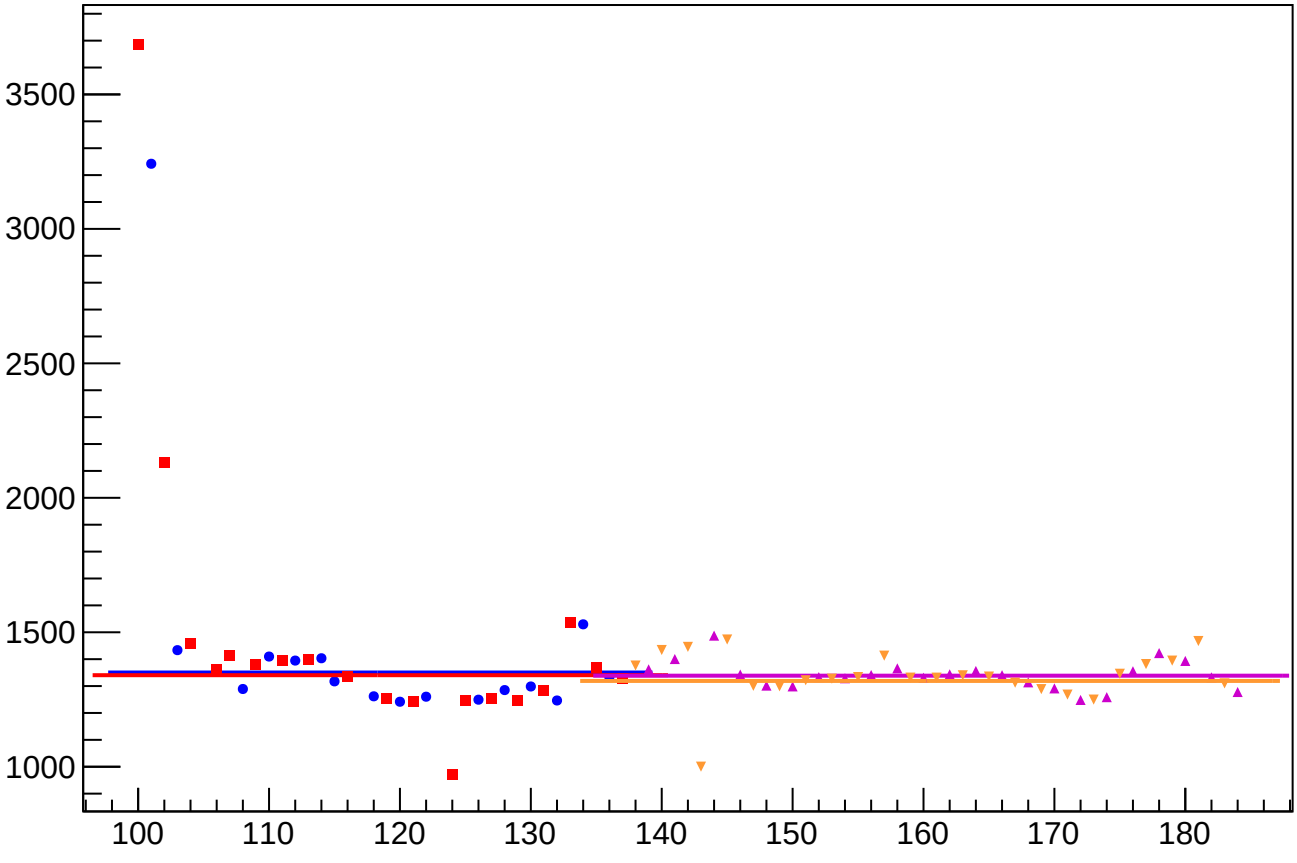
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1648.692+/-260.554 χ^2/NDF: 47.1/39

All: -338.036+/-186.120 χ^2/NDF: 212.4/81

- sign -2407.978+/-265.955 χ^2/NDF: 46.5/41

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

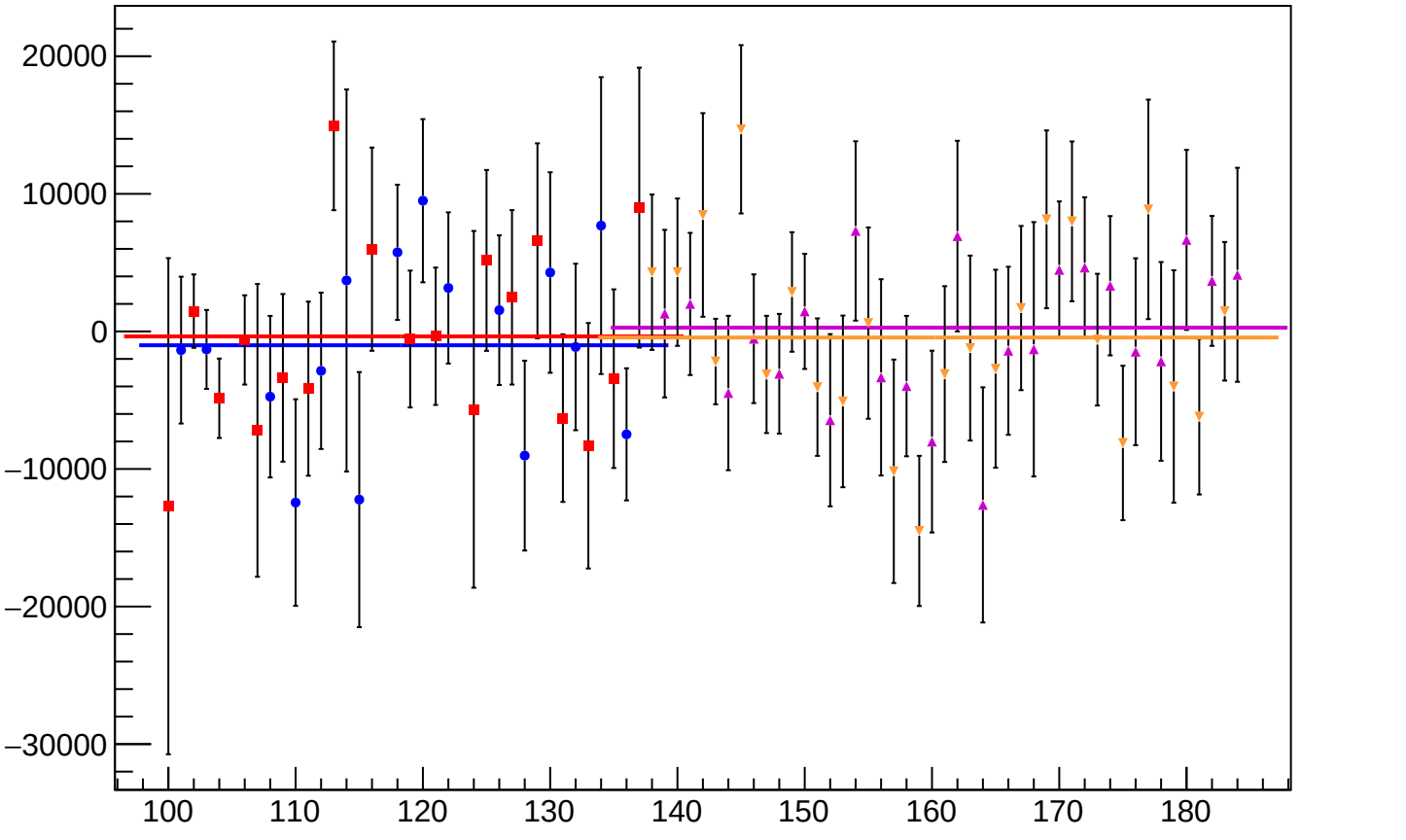
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1327.199+/-0.184 χ^2/NDF: 746934.9/39

All: 1333.034+/-0.132 χ^2/NDF: 1075434.7/81

- sign 1339.110+/-0.188 χ^2/NDF: 326452.4/41



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -444.554+/-1131.228 χ^2/NDF:28.4/23

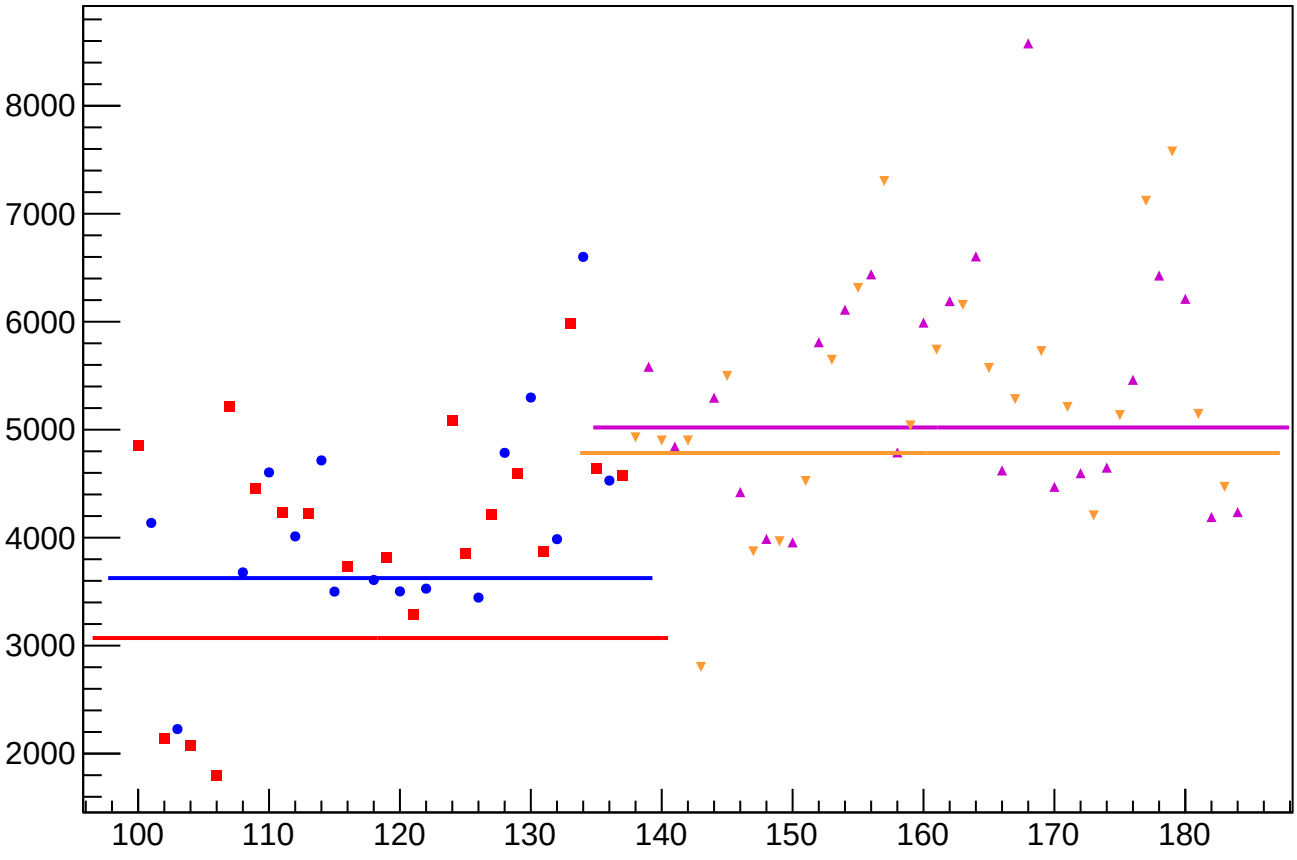
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -665.766+/-880.991 χ^2/NDF: 43.1/39

All: -343.268+/-611.059 χ^2/NDF: 73.1/81

- sign -44.278+/-848.274 χ^2/NDF: 29.8/41



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4784.108+/-0.800 χ^2/NDF:2004884.4/23

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

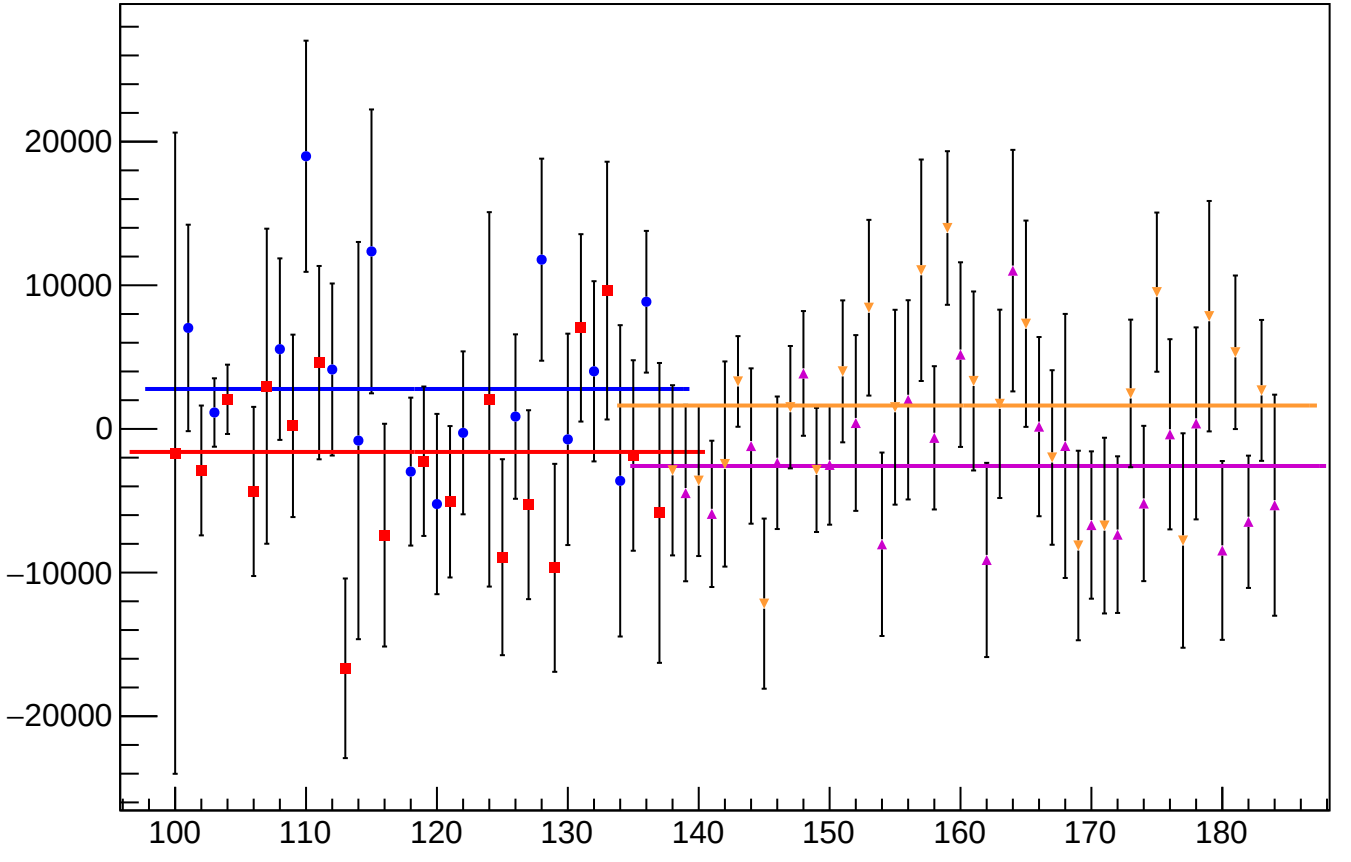
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4328.216+/-0.623 χ^2/NDF: 3775312.0/39

All: 4183.911+/-0.432 χ^2/NDF: 9584988.5/81

- sign 4050.124+/-0.600 χ^2/NDF: 5706268.0/41

asym_atl_avg_atr_avg_avg_mean vs Slug



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

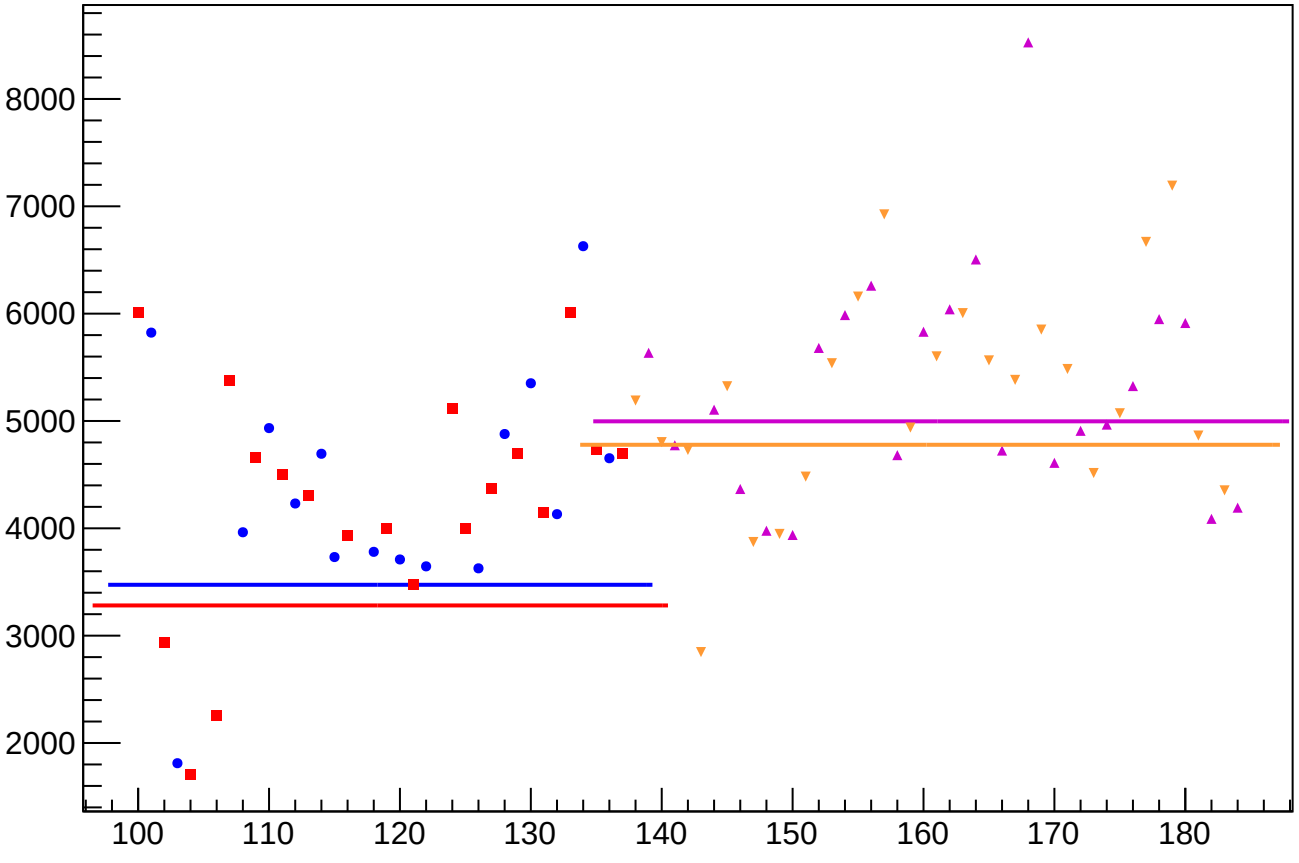
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2085.871+/-874.718 χ^2/NDF: 40.5/39

All: 1.167+/-623.252 χ^2/NDF: 82.3/81

- sign -2148.590+/-888.261 χ^2/NDF: 30.4/41

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

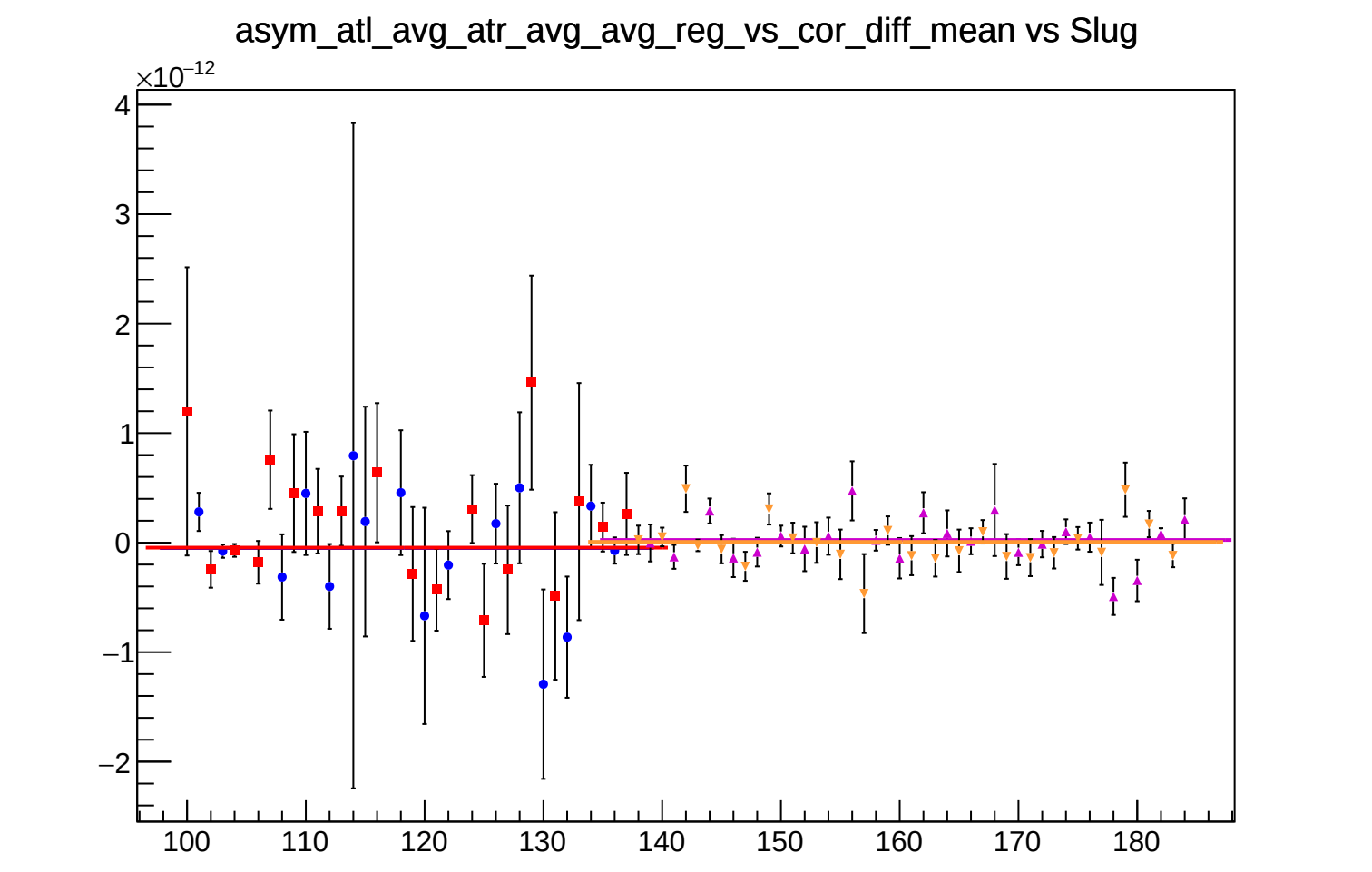
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

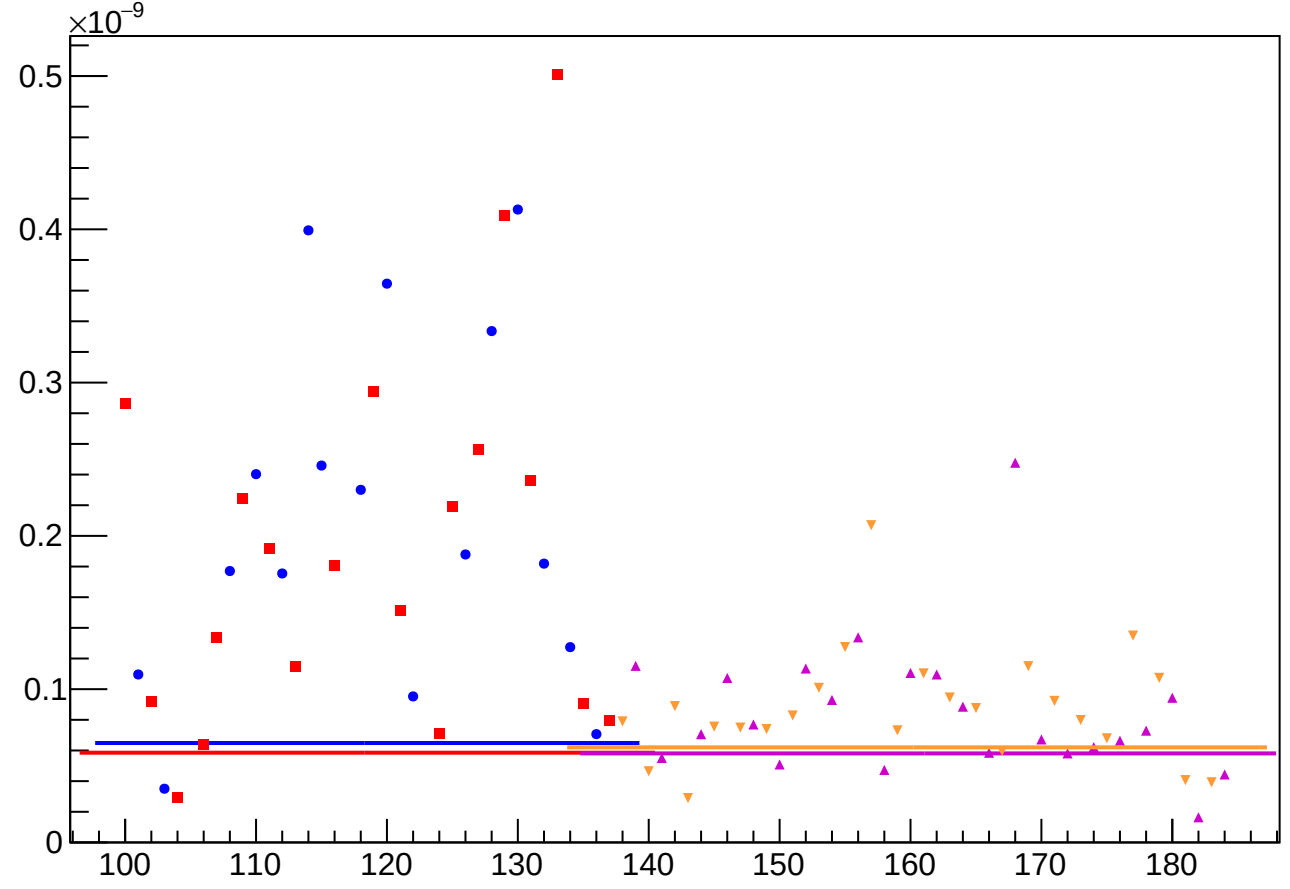
Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

\+ sign 4261.303+/-0.619 χ^2/NDF: 4690409.1/39

All: 4244.805+/-0.439 χ^2/NDF: 9530299.5/81

\- sign 4227.999+/-0.624 χ^2/NDF: 4838454.2/41


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:31.7/22
+ sign -0.000+/-0.000 χ²/NDF: 41.9/39
All: 0.000+/-0.000 χ²/NDF: 93.9/81
- sign 0.000+/-0.000 χ²/NDF: 51.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2443158.1/23

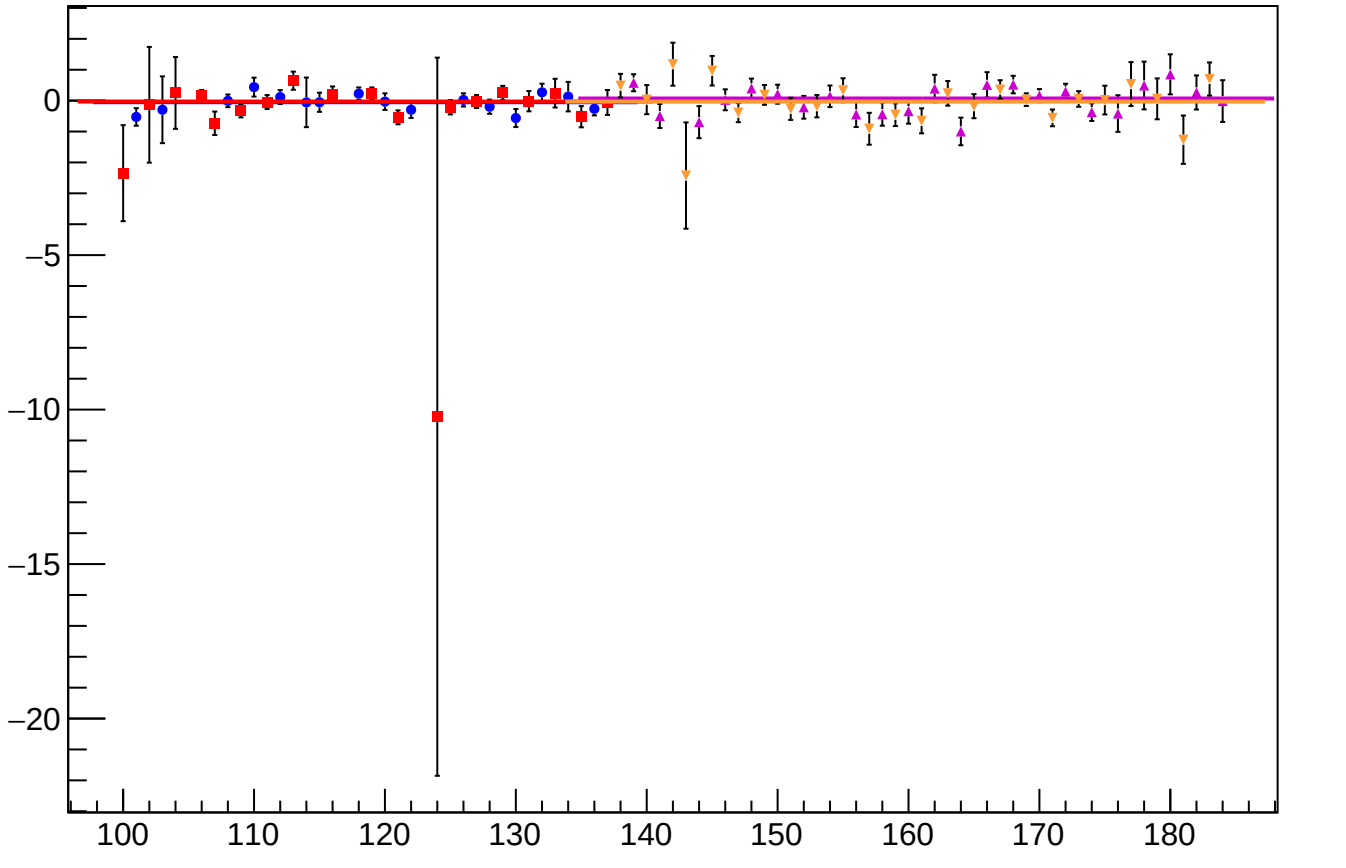
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5041390.0/39

All: 0.000+/-0.000 χ^2/NDF: 10901112.8/81

- sign 0.000+/-0.000 χ^2/NDF: 5821815.2/41



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

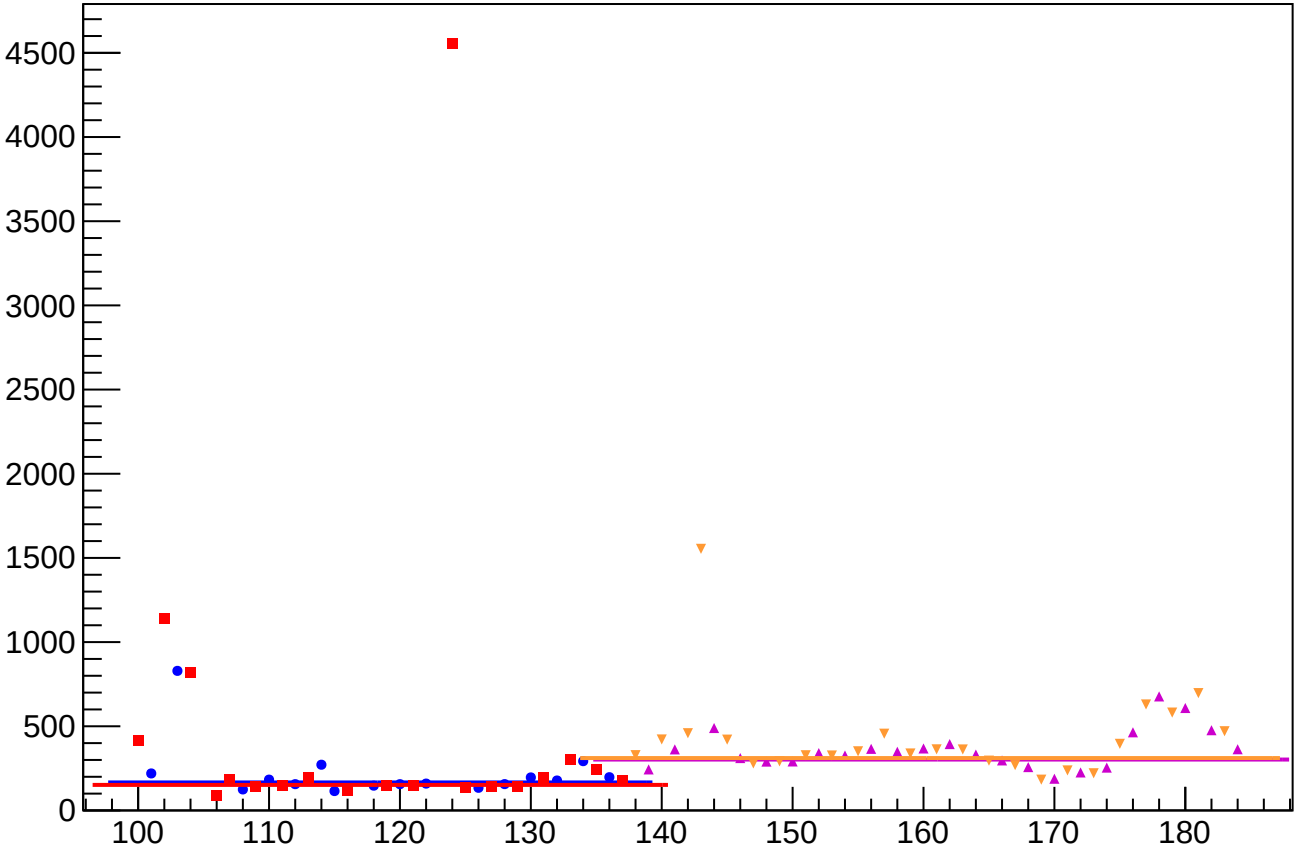
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.042+/-0.050 χ^2/NDF: 47.2/39

All: -0.014+/-0.035 χ^2/NDF: 106.2/81

- sign 0.012+/-0.049 χ^2/NDF: 58.4/41

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 311.205+/-0.054 χ^2/NDF:4331372.6/23

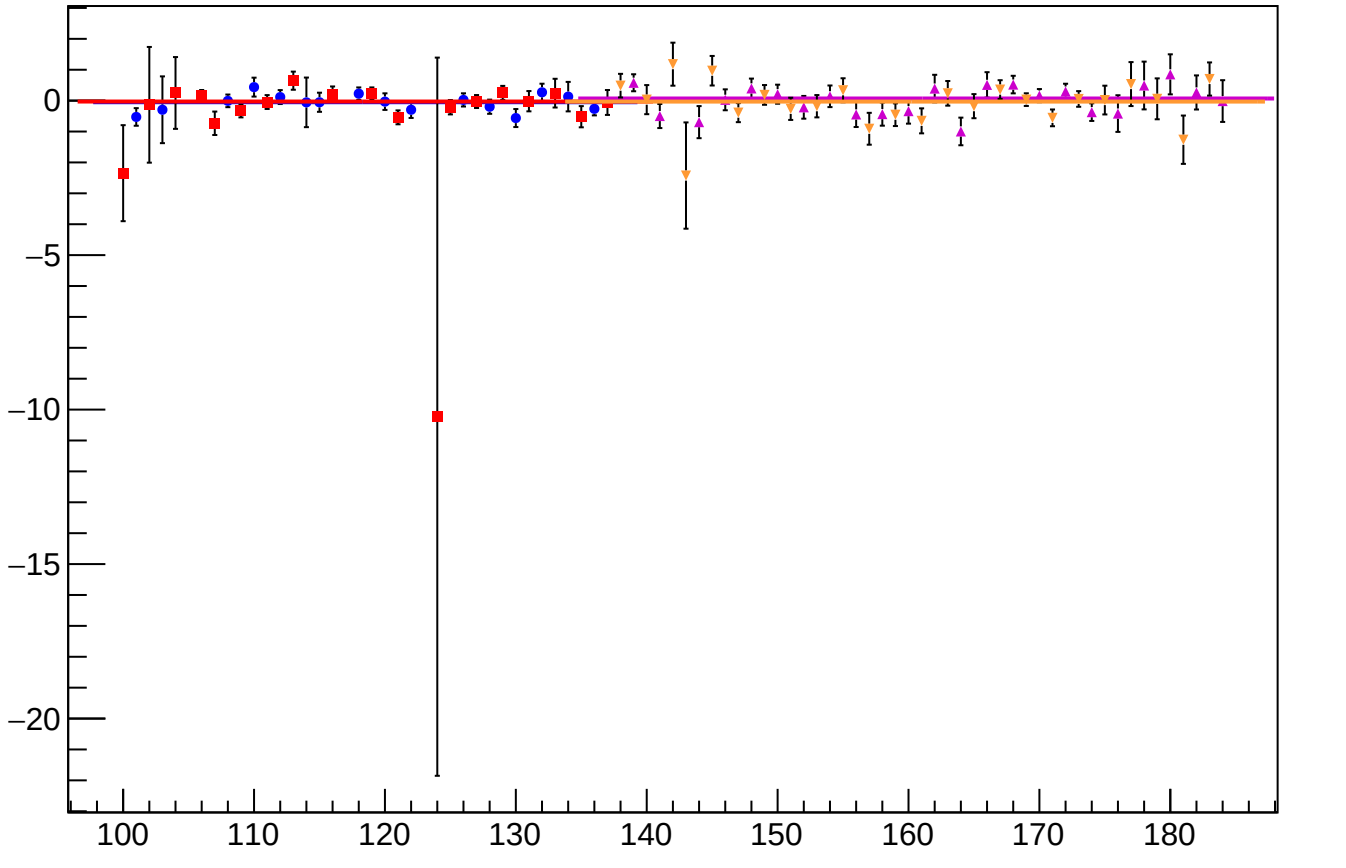
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.420+/-0.036 χ^2/NDF: 9651773.0/39

All: 221.660+/-0.025 χ^2/NDF: 19516901.3/81

- sign 215.369+/-0.034 χ^2/NDF: 9795791.2/41



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.031+/-0.077 χ^2/NDF:32.3/23

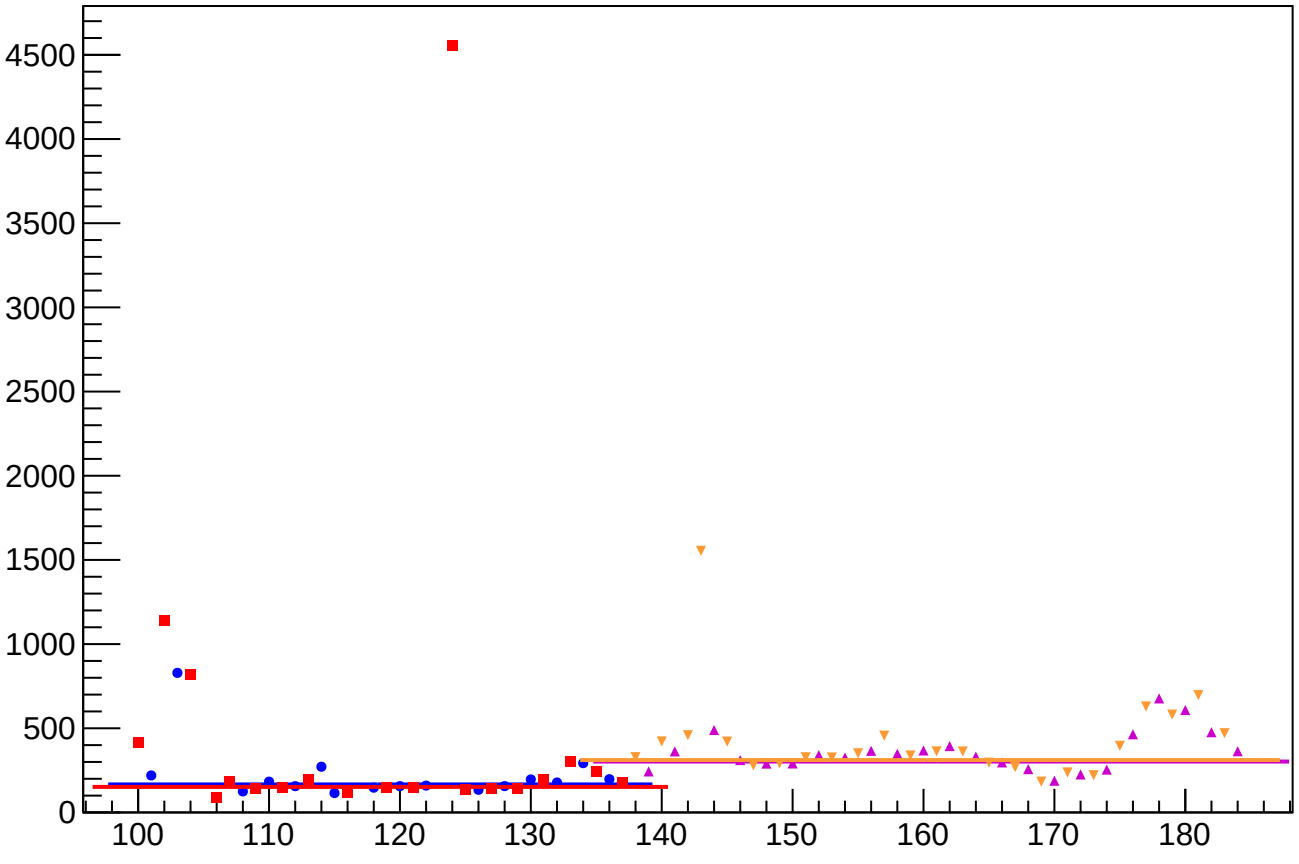
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.042+/-0.050 χ^2/NDF: 47.2/39

All: -0.014+/-0.035 χ^2/NDF: 106.2/81

- sign 0.012+/-0.049 χ^2/NDF: 58.4/41



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 311.205+/-0.054 χ^2/NDF:4331372.6/23

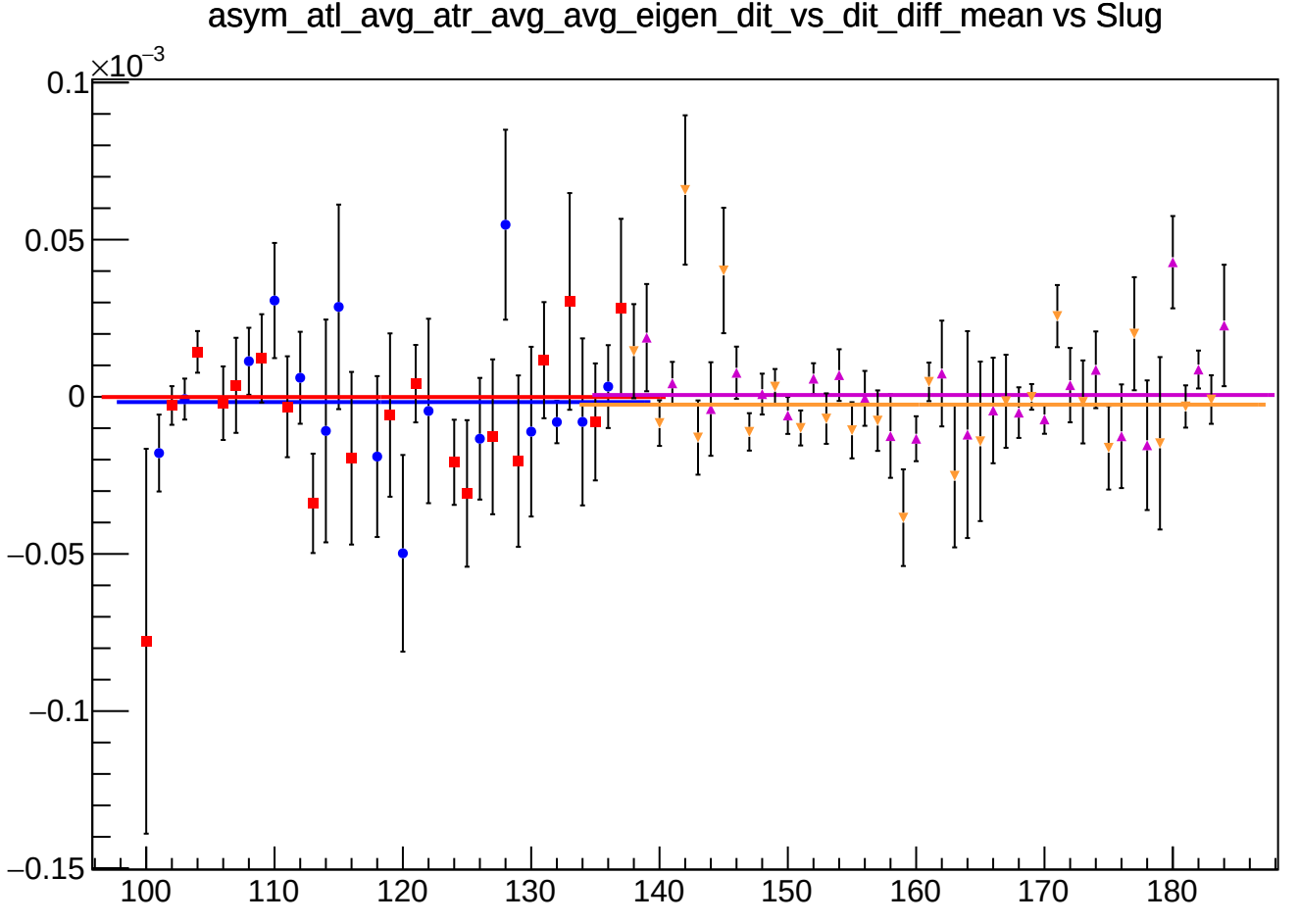
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.420+/-0.036 χ^2/NDF: 9651773.0/39

All: 221.660+/-0.025 χ^2/NDF: 19516901.3/81

- sign 215.369+/-0.034 χ^2/NDF: 9795791.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/23

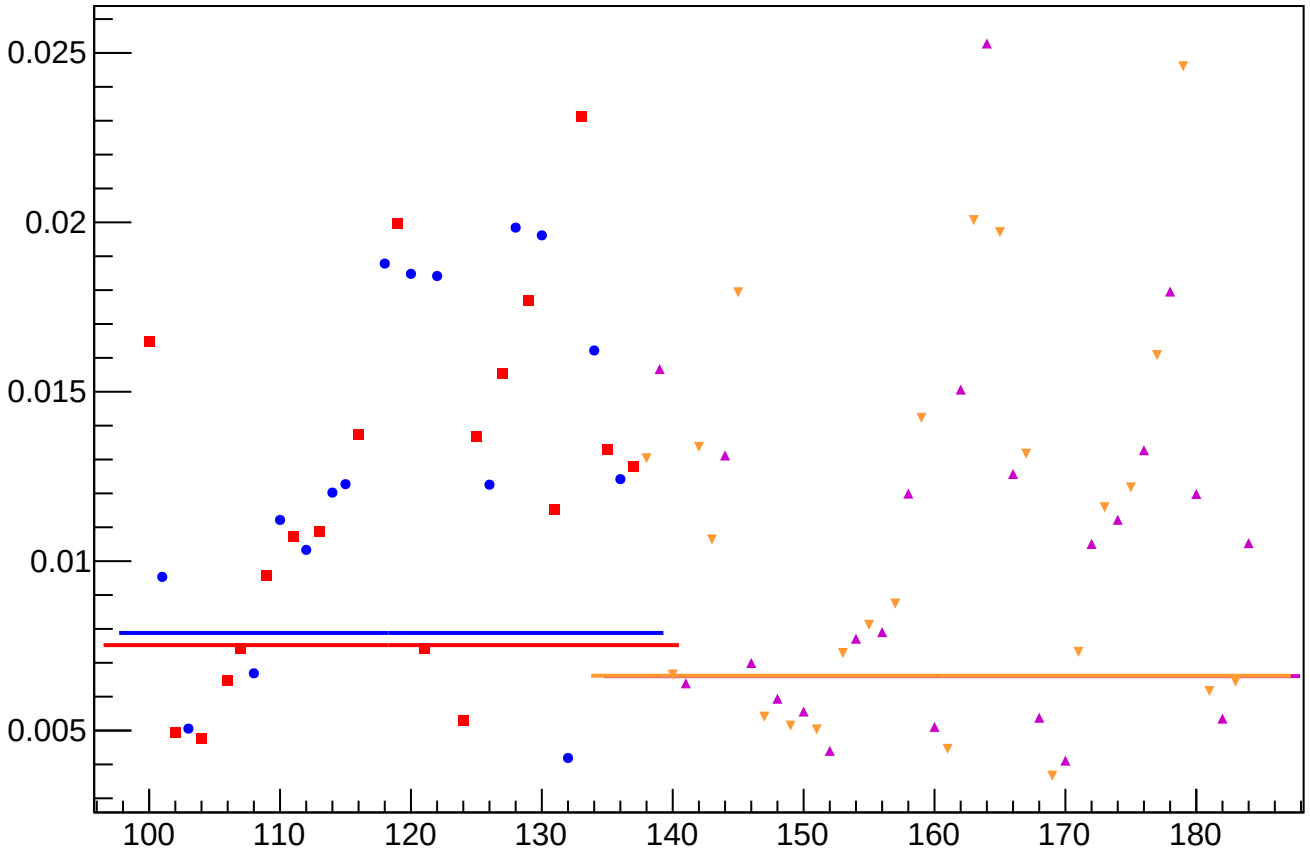
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.9/39

All: -0.000+/-0.000 χ^2/NDF: 105.2/81

- sign 0.000+/-0.000 χ^2/NDF: 46.8/41



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7424978.4/23

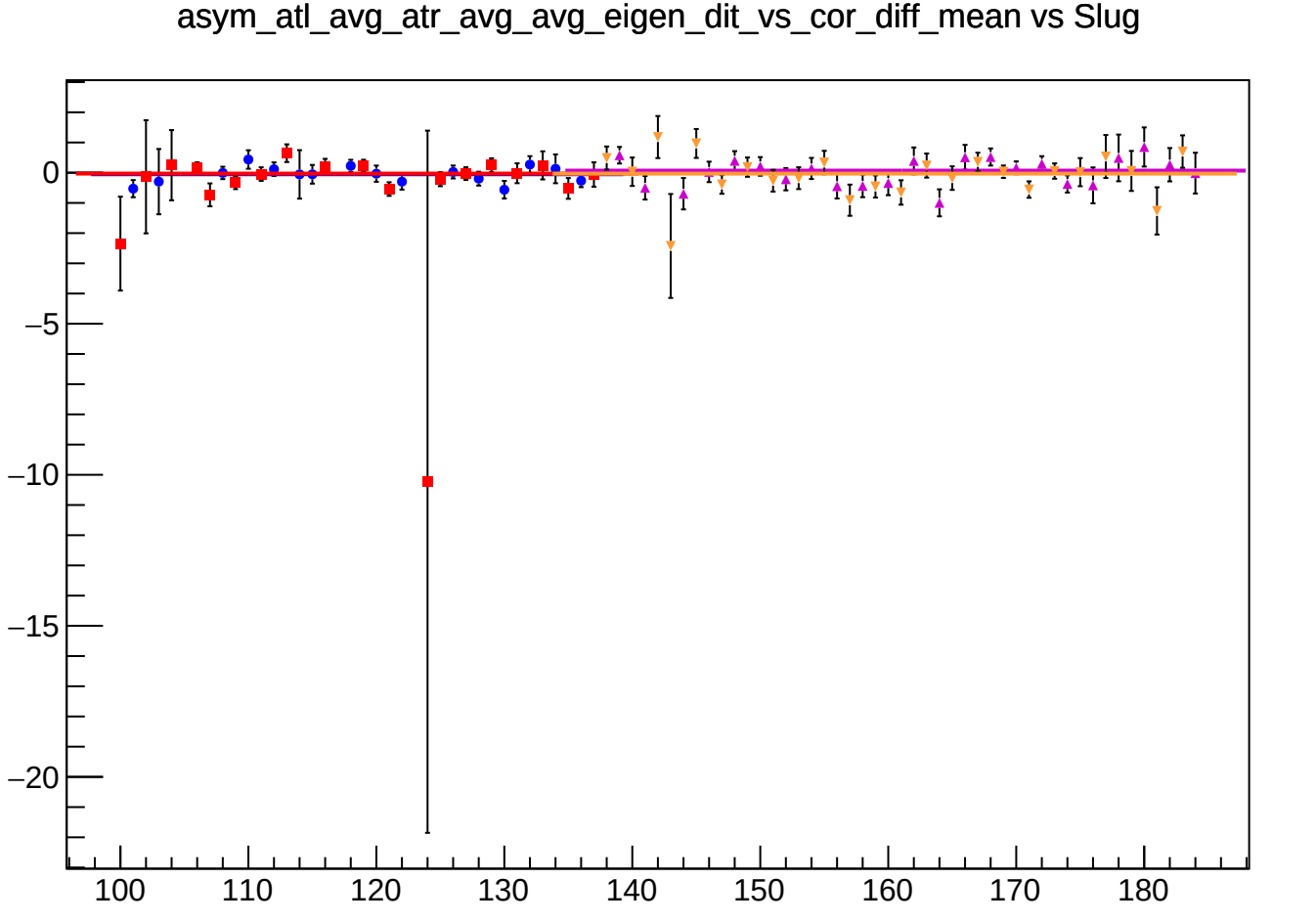
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 10945063.3/39

All: 0.007+/-0.000 χ^2/NDF: 19906377.8/81

- sign 0.007+/-0.000 χ^2/NDF: 8960128.2/41



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.031+/-0.077 χ^2/NDF:32.3/23

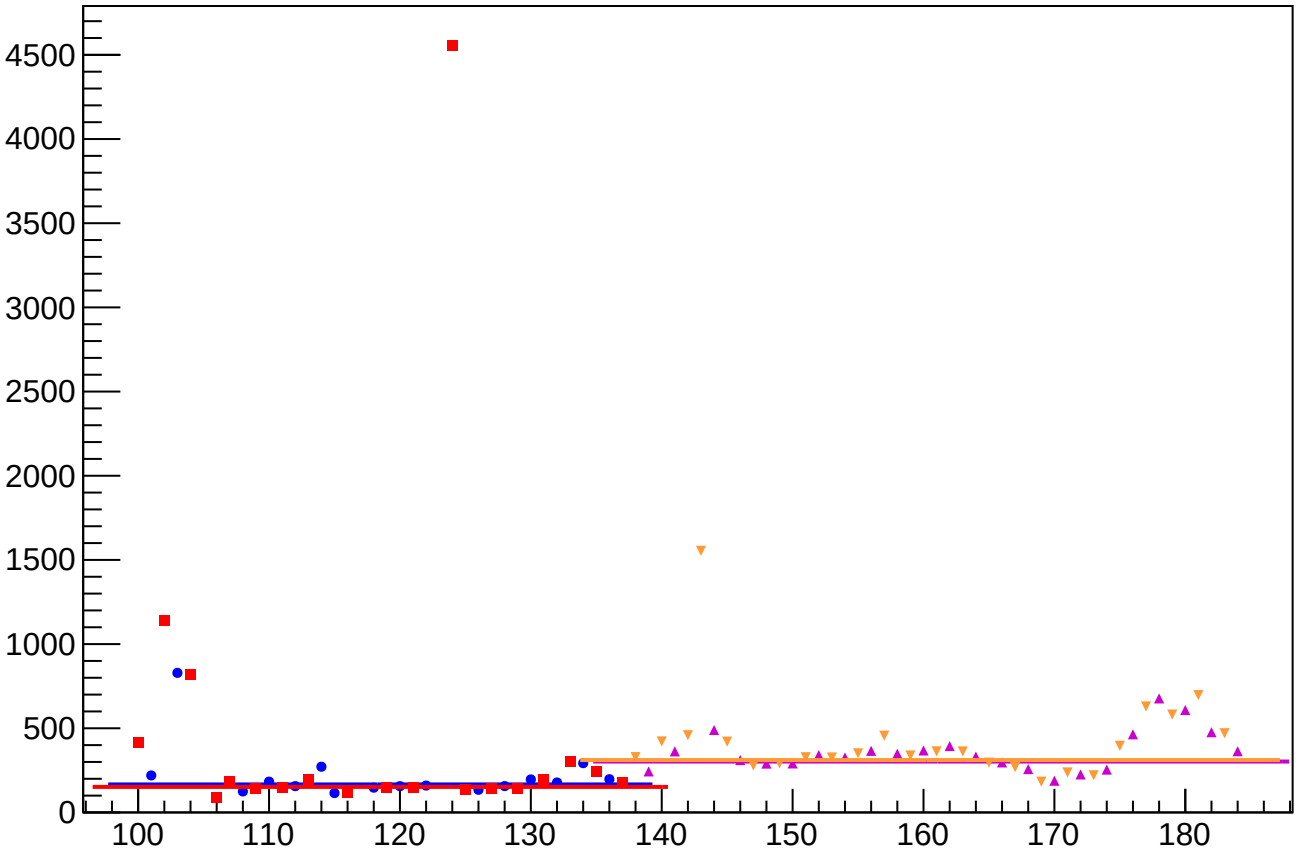
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.042+/-0.050 χ^2/NDF: 47.2/39

All: -0.014+/-0.035 χ^2/NDF: 106.2/81

- sign 0.012+/-0.049 χ^2/NDF: 58.4/41



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 311.205+/-0.054 χ^2/NDF:4331583.2/23

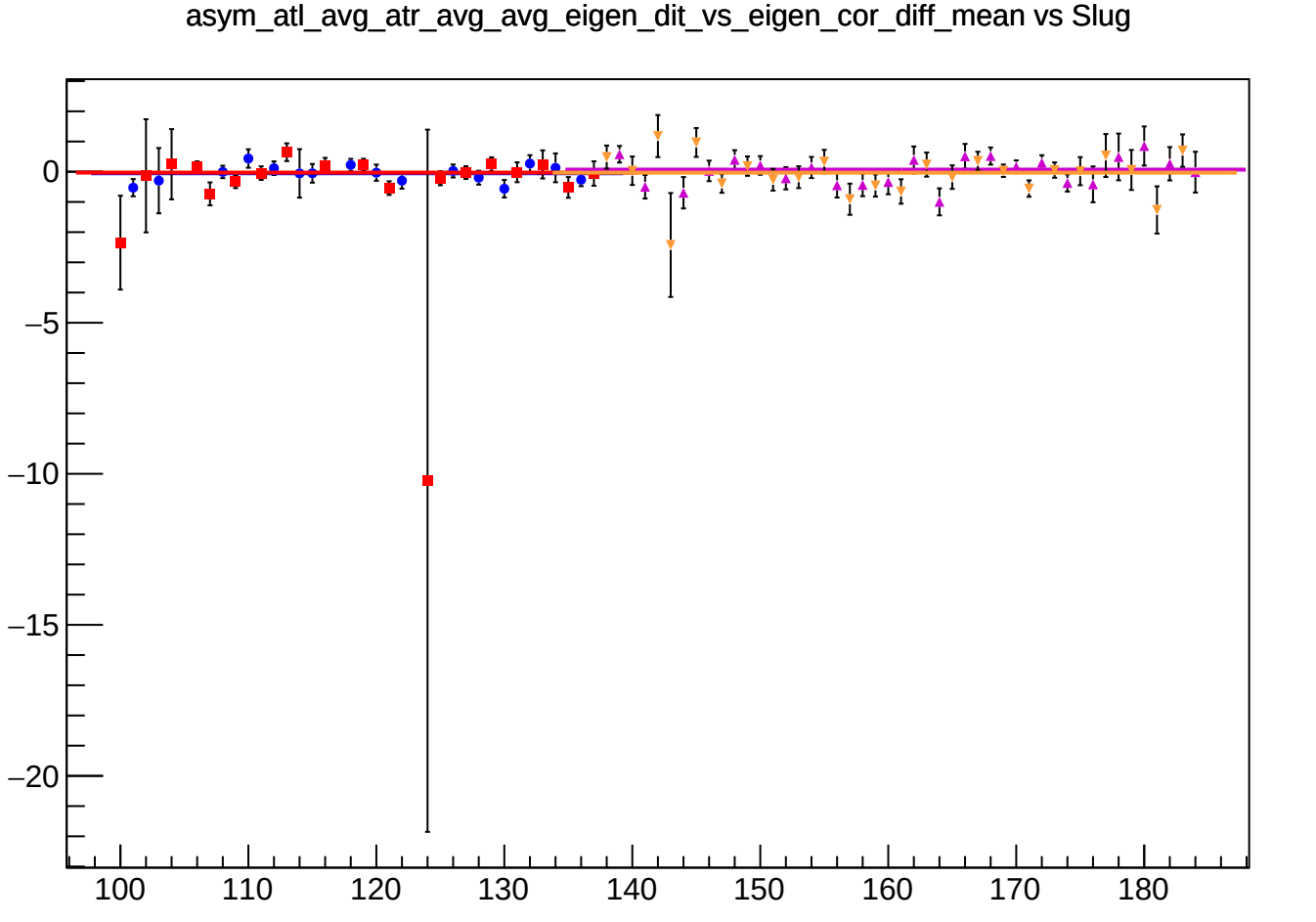
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.419+/-0.036 χ^2/NDF: 9652022.8/39

All: 221.659+/-0.025 χ^2/NDF: 19517457.1/81

- sign 215.367+/-0.034 χ^2/NDF: 9796093.3/41



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.031+/-0.077 χ^2/NDF:32.3/23

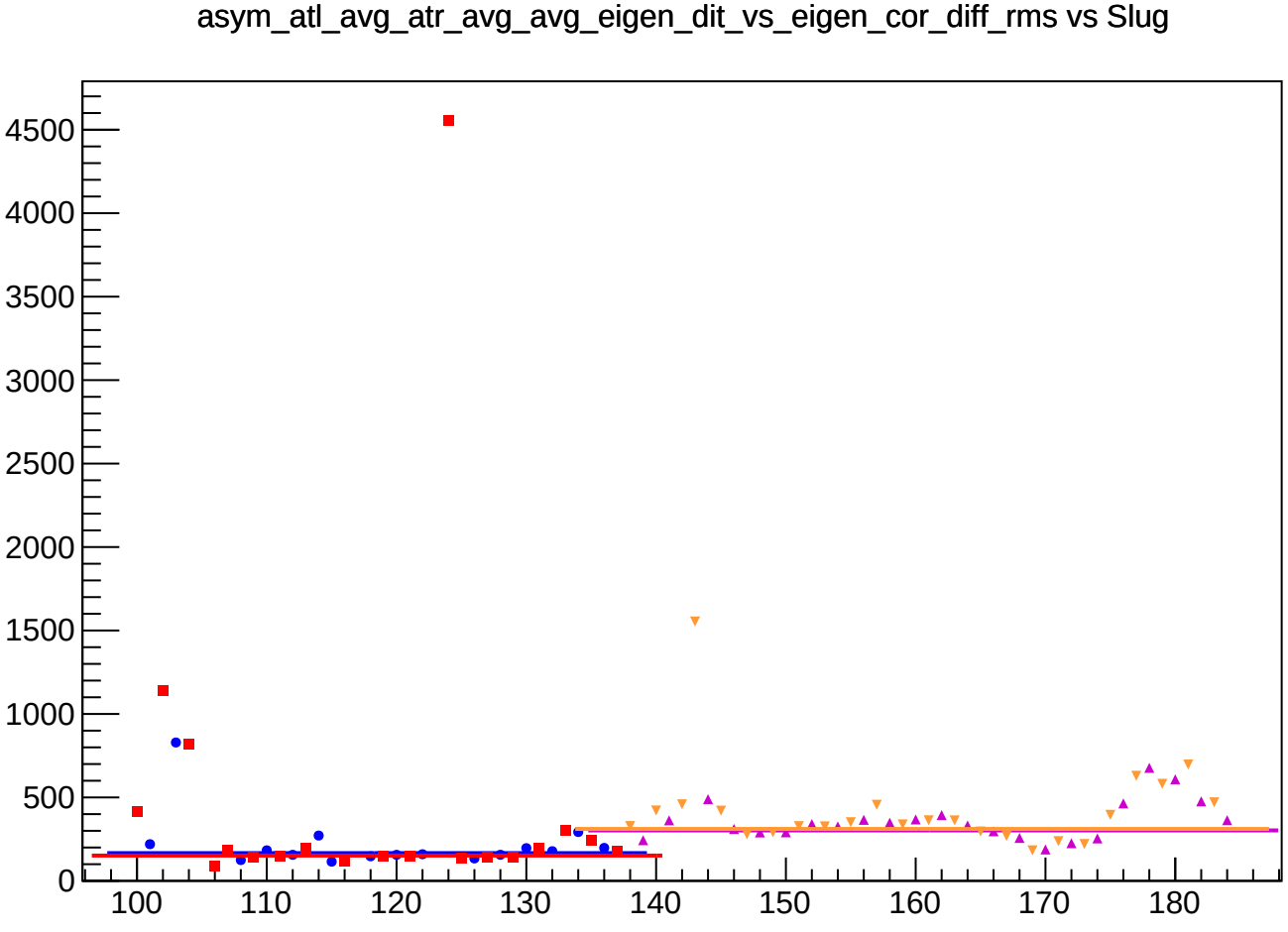
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.042+/-0.050 χ^2/NDF: 47.2/39

All: -0.014+/-0.035 χ^2/NDF: 106.2/81

- sign 0.012+/-0.049 χ^2/NDF: 58.4/41



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 311.205+/-0.054 χ^2/NDF:4331583.2/23

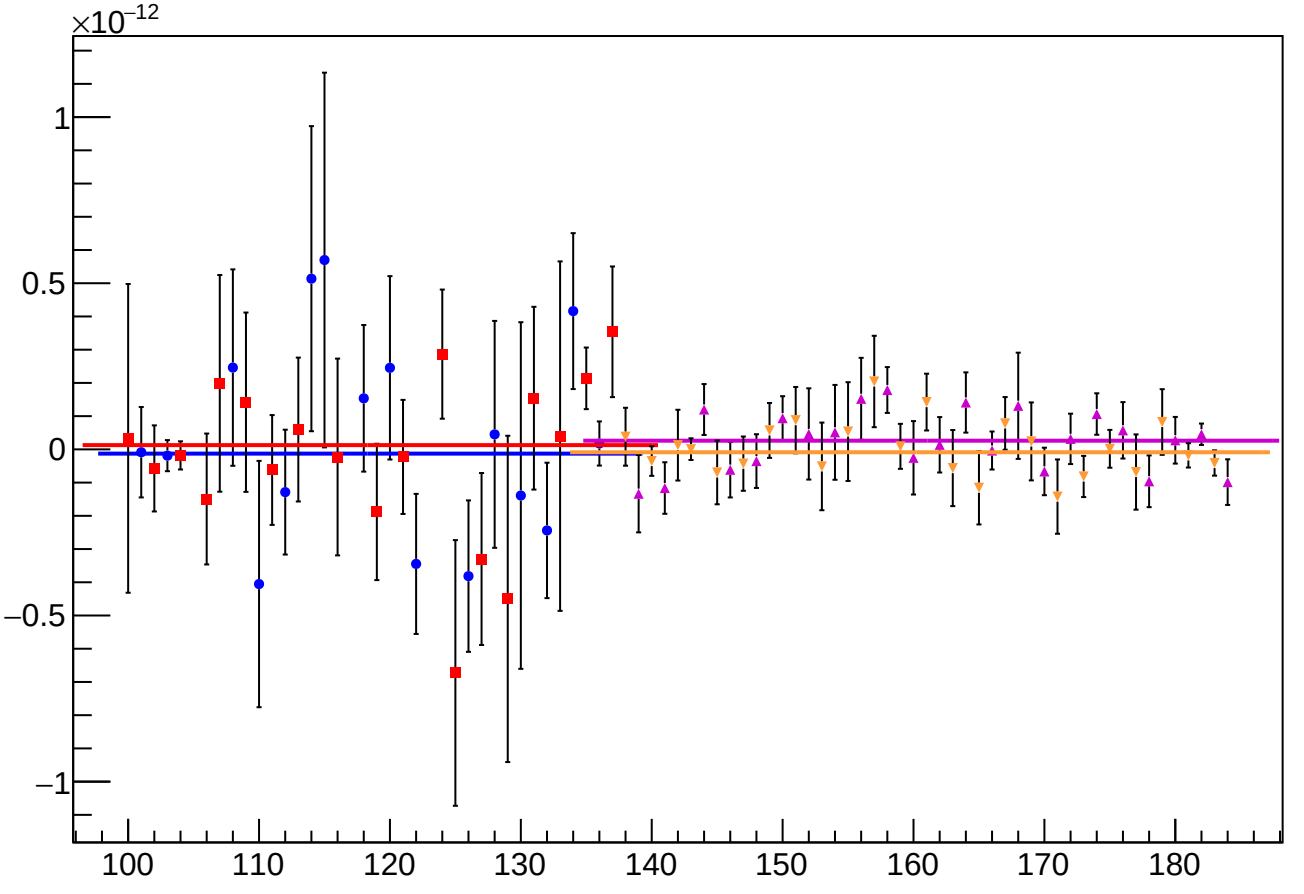
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.419+/-0.036 χ^2/NDF: 9652022.8/39

All: 221.659+/-0.025 χ^2/NDF: 19517457.1/81

- sign 215.367+/-0.034 χ^2/NDF: 9796093.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/23

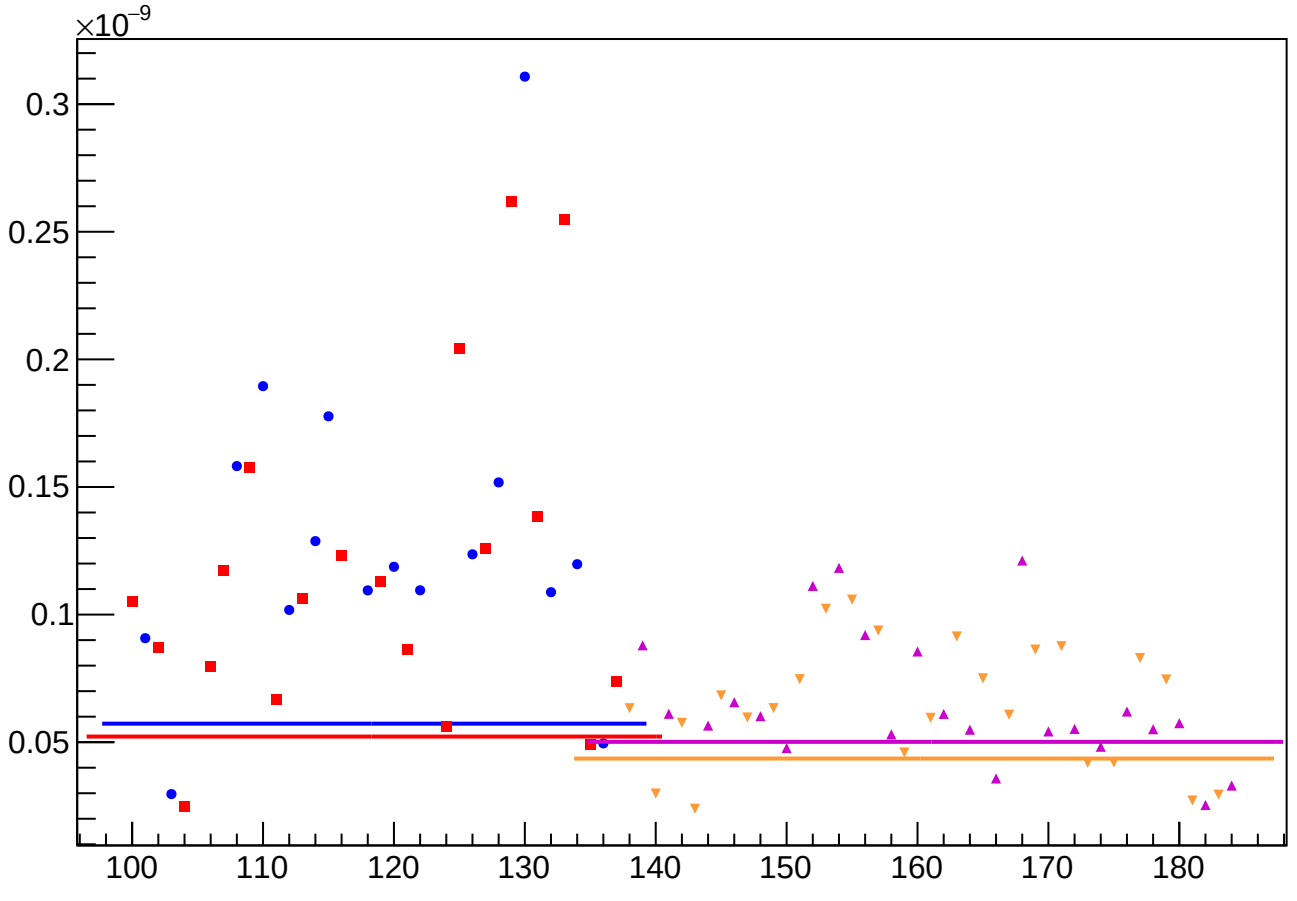
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/39

All: 0.000+/-0.000 χ^2/NDF: 81.8/81

- sign 0.000+/-0.000 χ^2/NDF: 46.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4957914.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

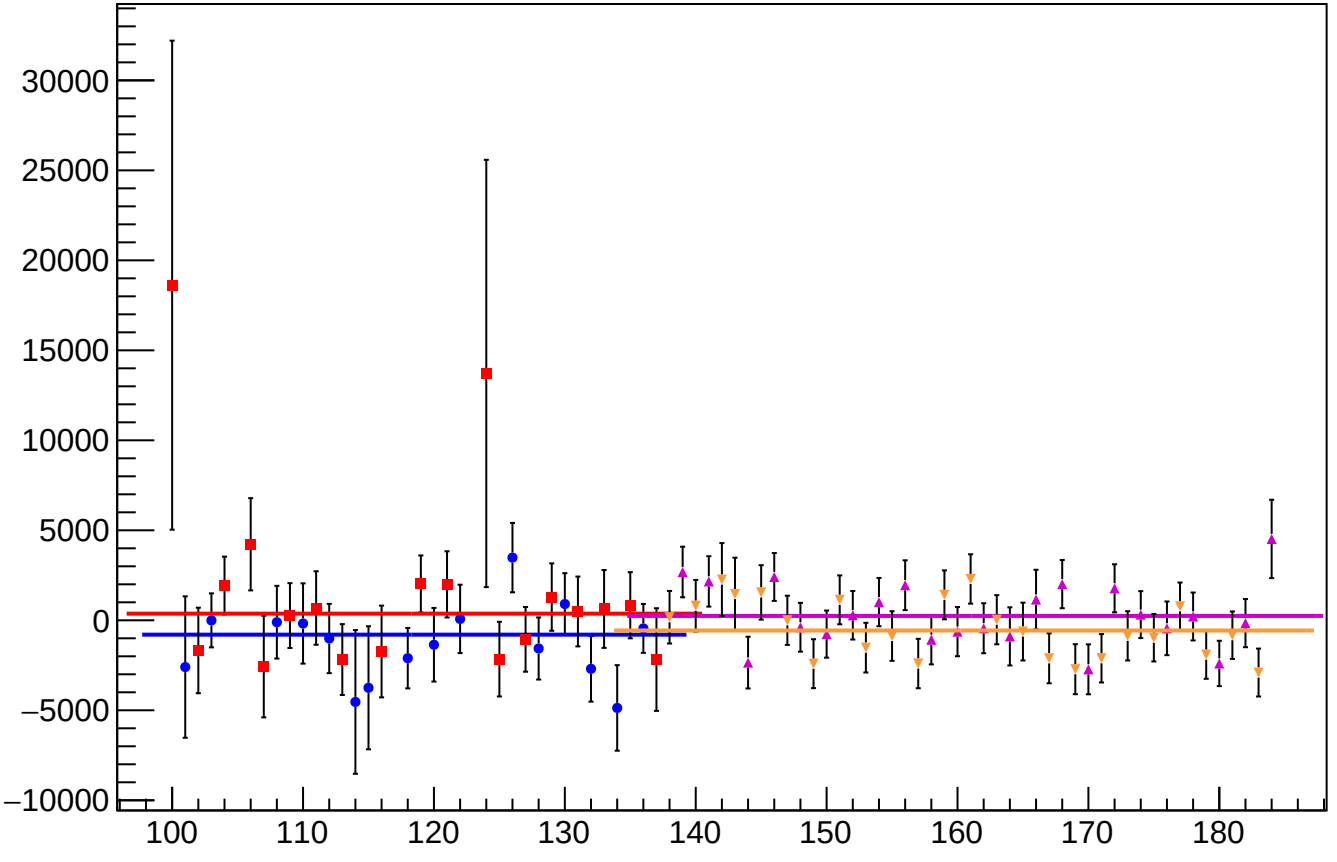
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8234939.8/39

All: 0.000+/-0.000 χ^2/NDF: 15280334.9/81

- sign 0.000+/-0.000 χ^2/NDF: 6906254.7/41

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

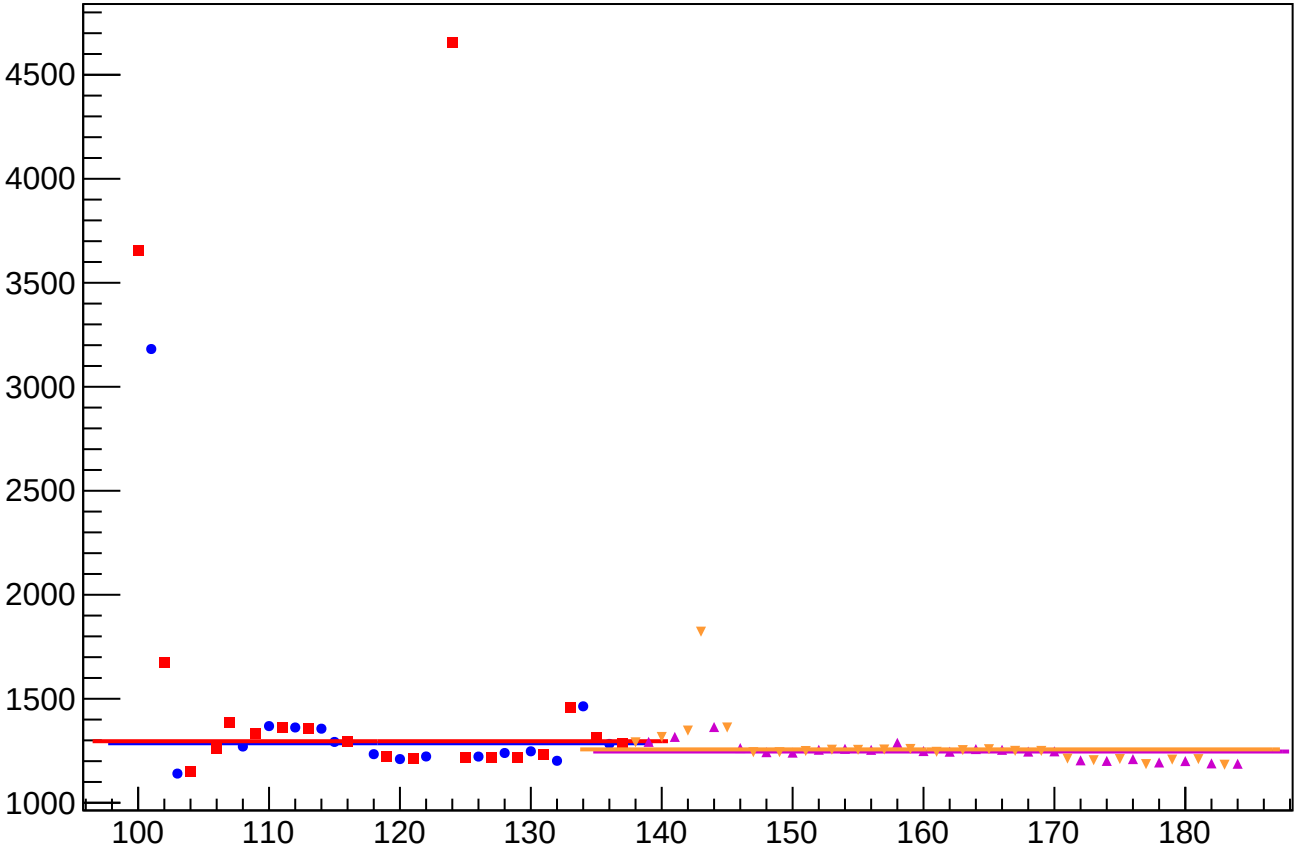
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -625.162+/-248.050 χ^2/NDF: 42.5/39

All: -177.489+/-175.995 χ^2/NDF: 96.7/81

- sign 276.333+/-249.748 χ^2/NDF: 47.7/41

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

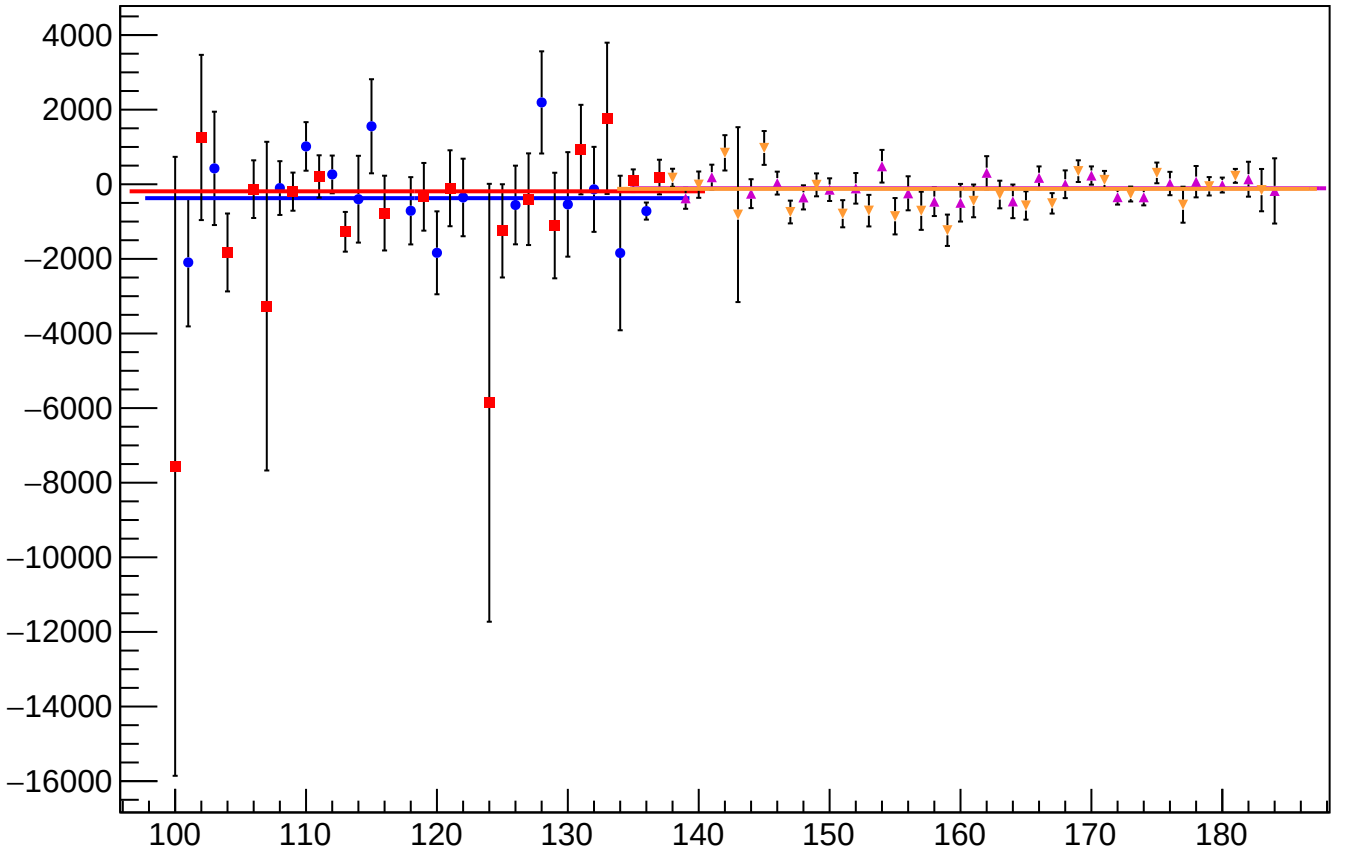
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.296+/-0.175 χ^2/NDF: 724505.7/39

All: 1261.894+/-0.124 χ^2/NDF: 1108140.6/81

- sign 1259.459+/-0.177 χ^2/NDF: 383257.2/41



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

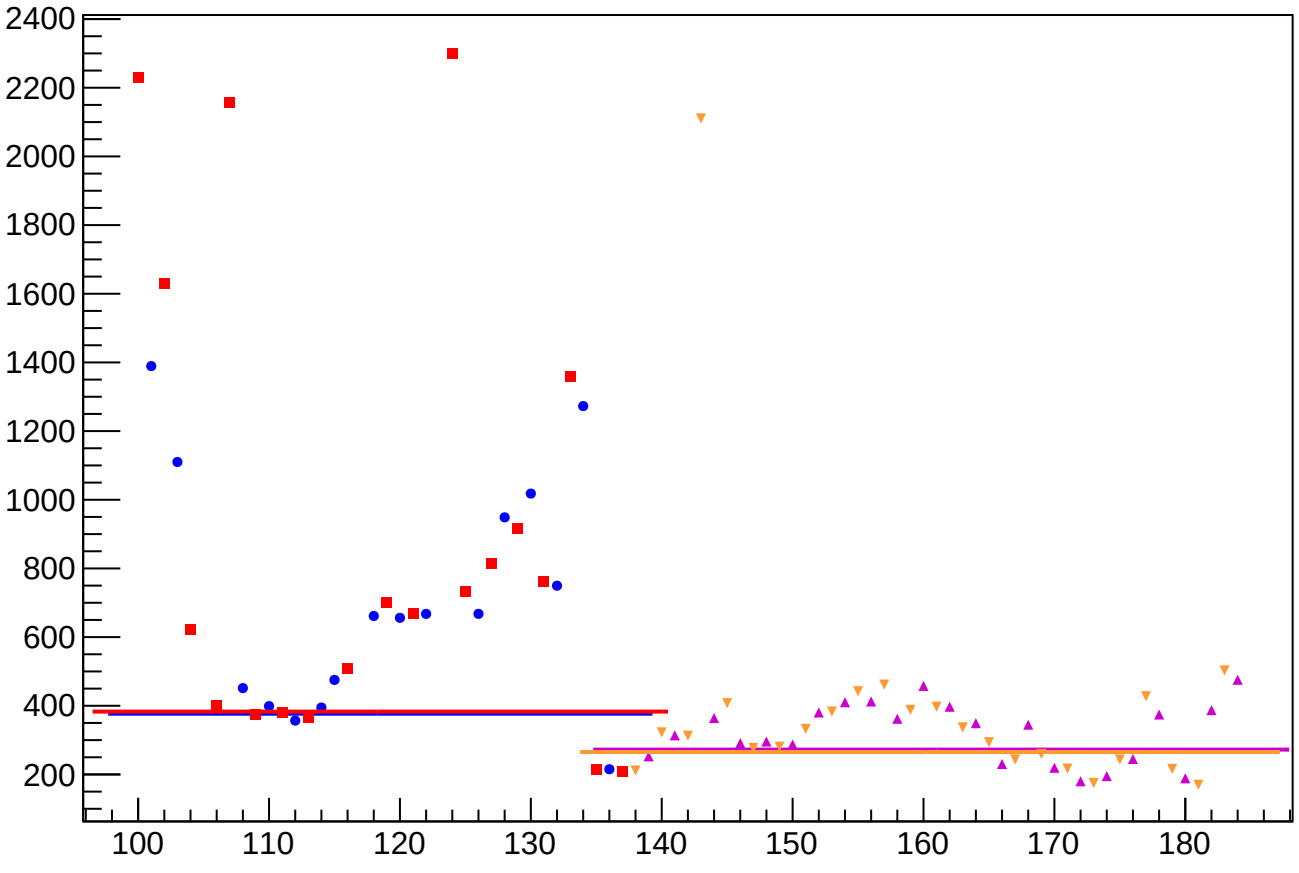
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -155.520+/-60.805 χ^2/NDF: 66.8/39

All: -137.396+/-43.519 χ^2/NDF: 95.6/81

- sign -118.361+/-62.313 χ^2/NDF: 28.6/41

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

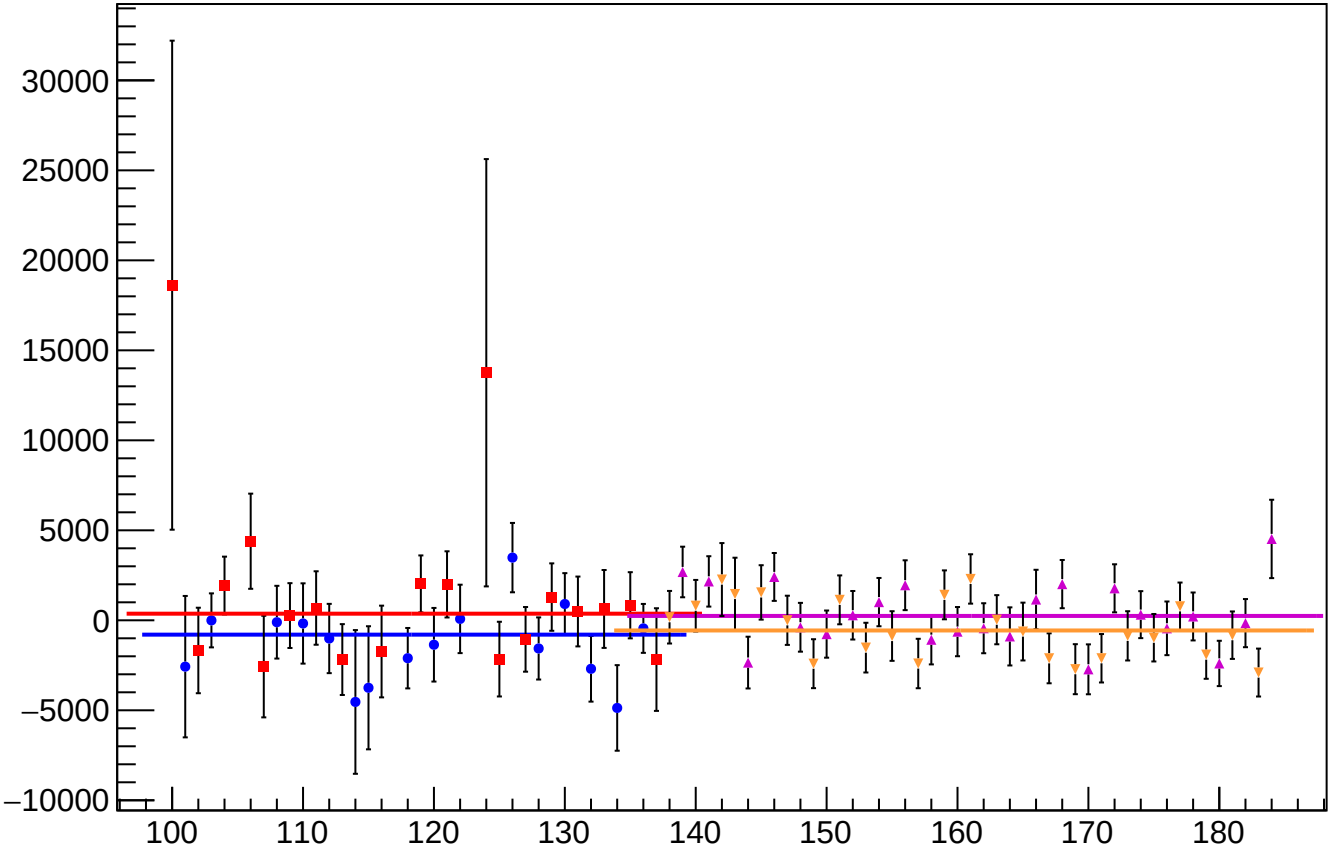
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 279.886+/-0.043 χ^2/NDF: 9483830.8/39

All: 283.510+/-0.031 χ^2/NDF: 17177647.7/81

- sign 287.317+/-0.044 χ^2/NDF: 7679249.1/41

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

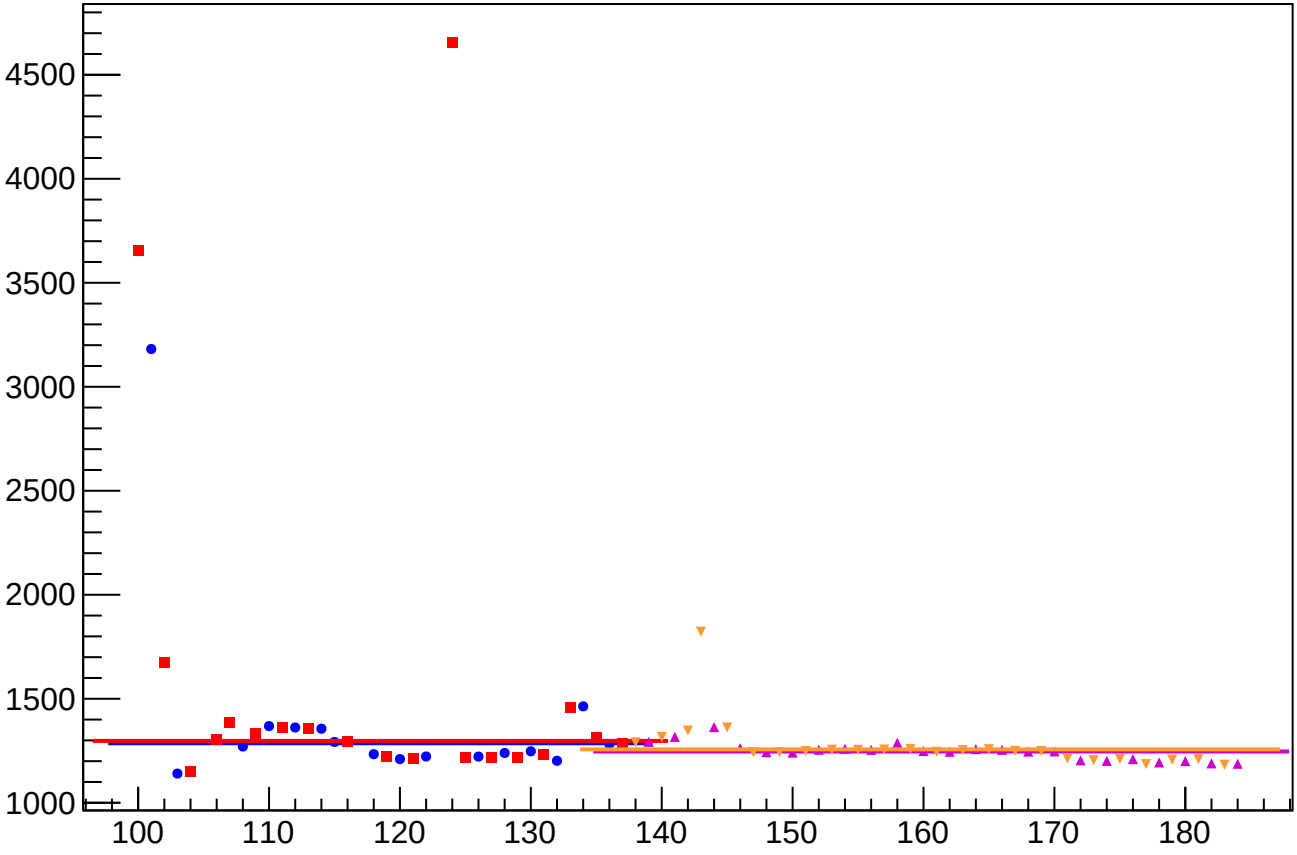
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -625.030+/-248.050 χ^2/NDF: 42.5/39

All: -177.917+/-176.020 χ^2/NDF: 96.8/81

- sign 275.594+/-249.819 χ^2/NDF: 47.8/41

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

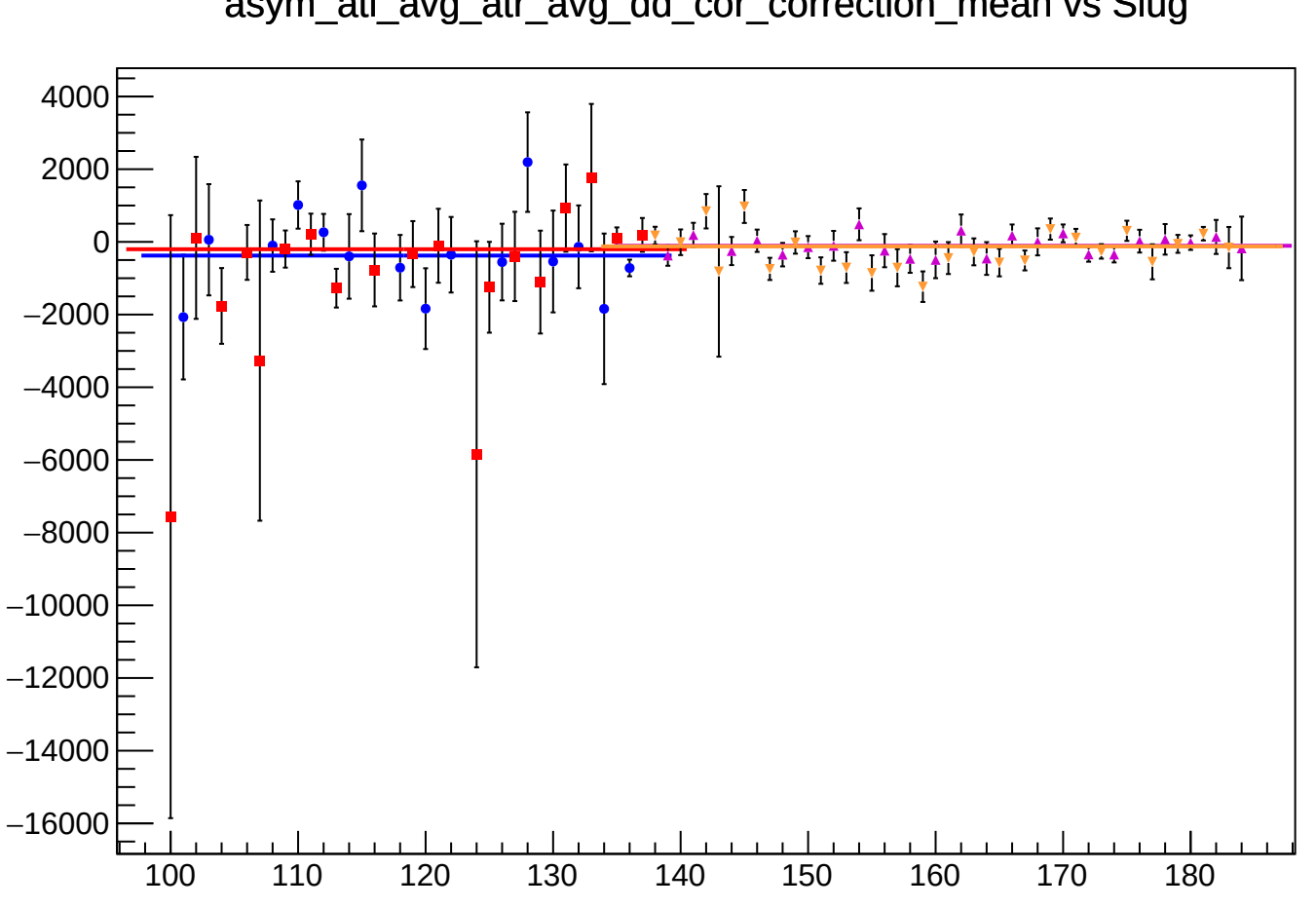
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.296+/-0.175 χ^2/NDF: 724507.0/39

All: 1262.075+/-0.124 χ^2/NDF: 1108643.8/81

- sign 1259.821+/-0.177 χ^2/NDF: 383813.6/41



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.907+/-65.216 χ^2/NDF:46.7/23

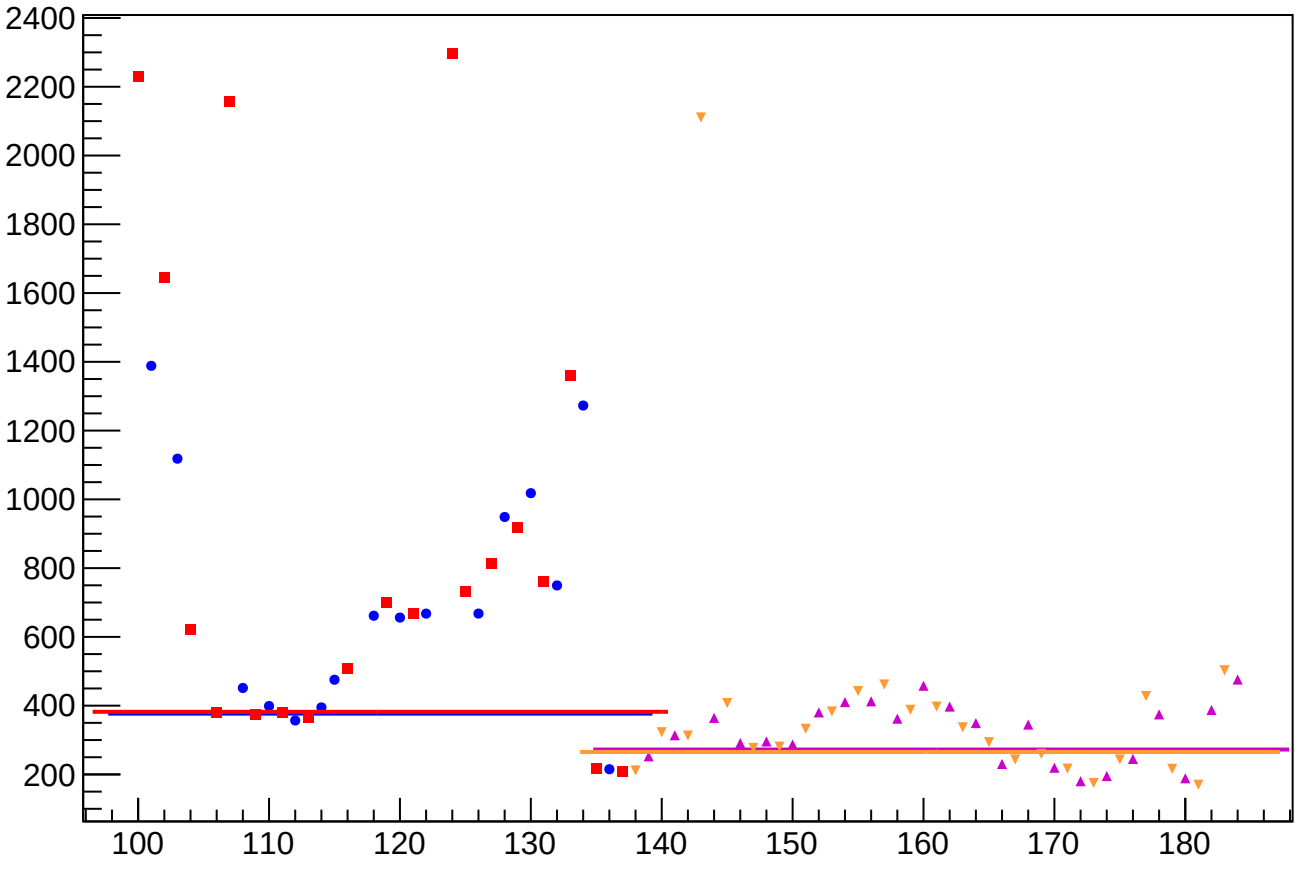
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.076+/-60.807 χ^2/NDF: 66.6/39

All: -138.609+/-43.517 χ^2/NDF: 94.9/81

- sign -120.271+/-62.305 χ^2/NDF: 28.0/41



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 265.309+/-0.046 χ^2/NDF:4528444.6/23

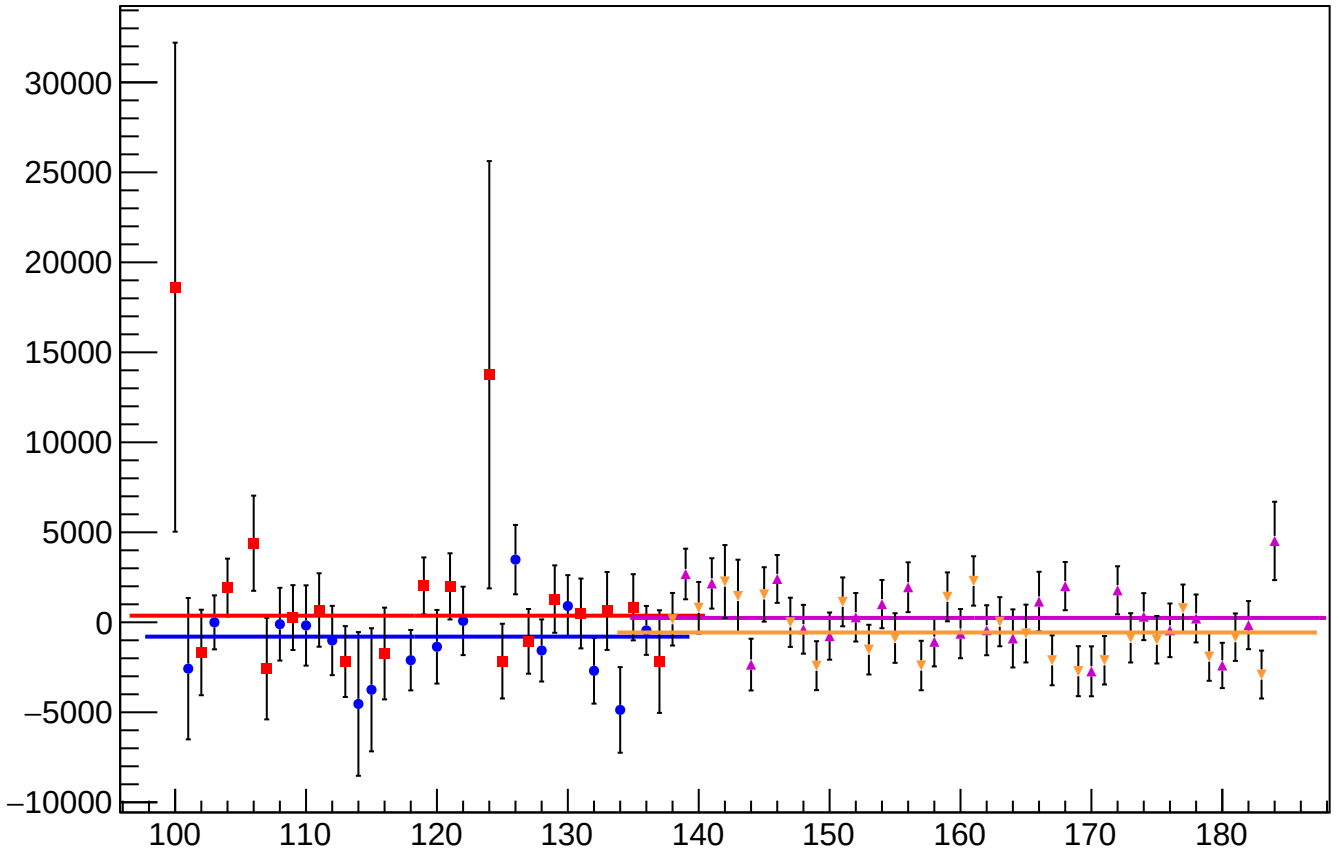
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 279.887+/-0.043 χ^2/NDF: 9486627.4/39

All: 283.469+/-0.031 χ^2/NDF: 17174245.5/81

- sign 287.229+/-0.044 χ^2/NDF: 7673394.8/41



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

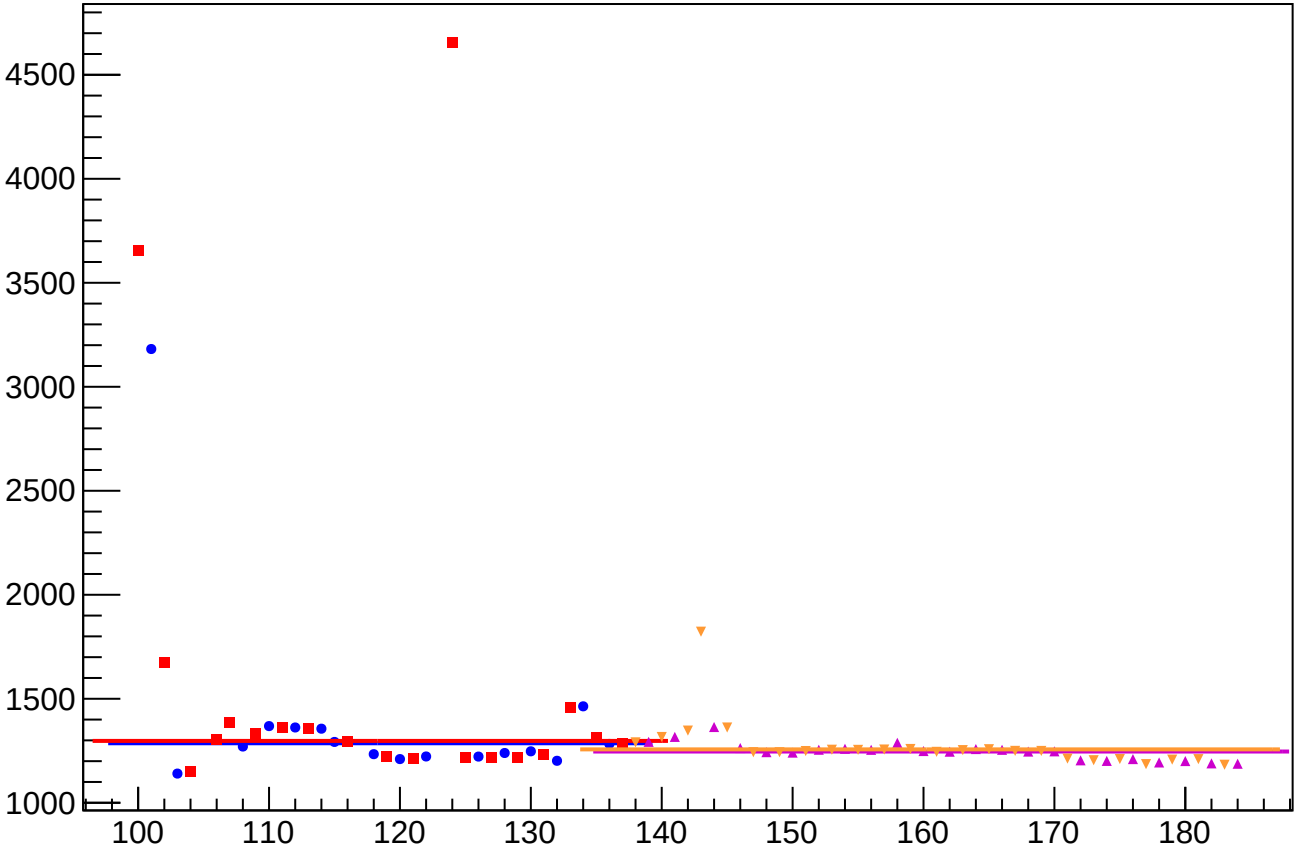
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -625.030+/-248.050 χ^2/NDF: 42.5/39

All: -177.917+/-176.020 χ^2/NDF: 96.8/81

- sign 275.594+/-249.819 χ^2/NDF: 47.8/41

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

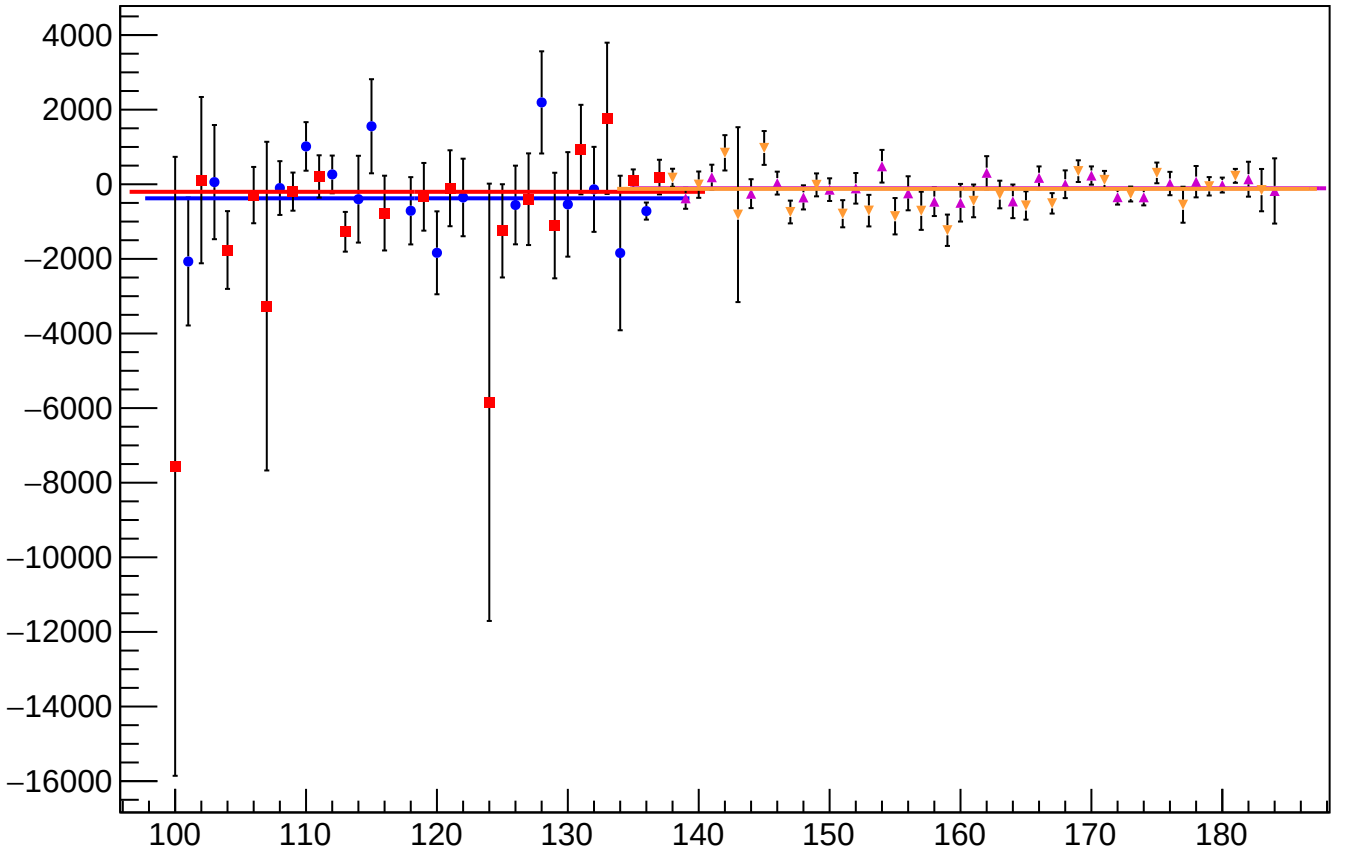
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.296+/-0.175 χ^2/NDF: 724507.0/39

All: 1262.075+/-0.124 χ^2/NDF: 1108643.8/81

- sign 1259.821+/-0.177 χ^2/NDF: 383813.6/41



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.907+/-65.216 χ^2/NDF:46.7/23

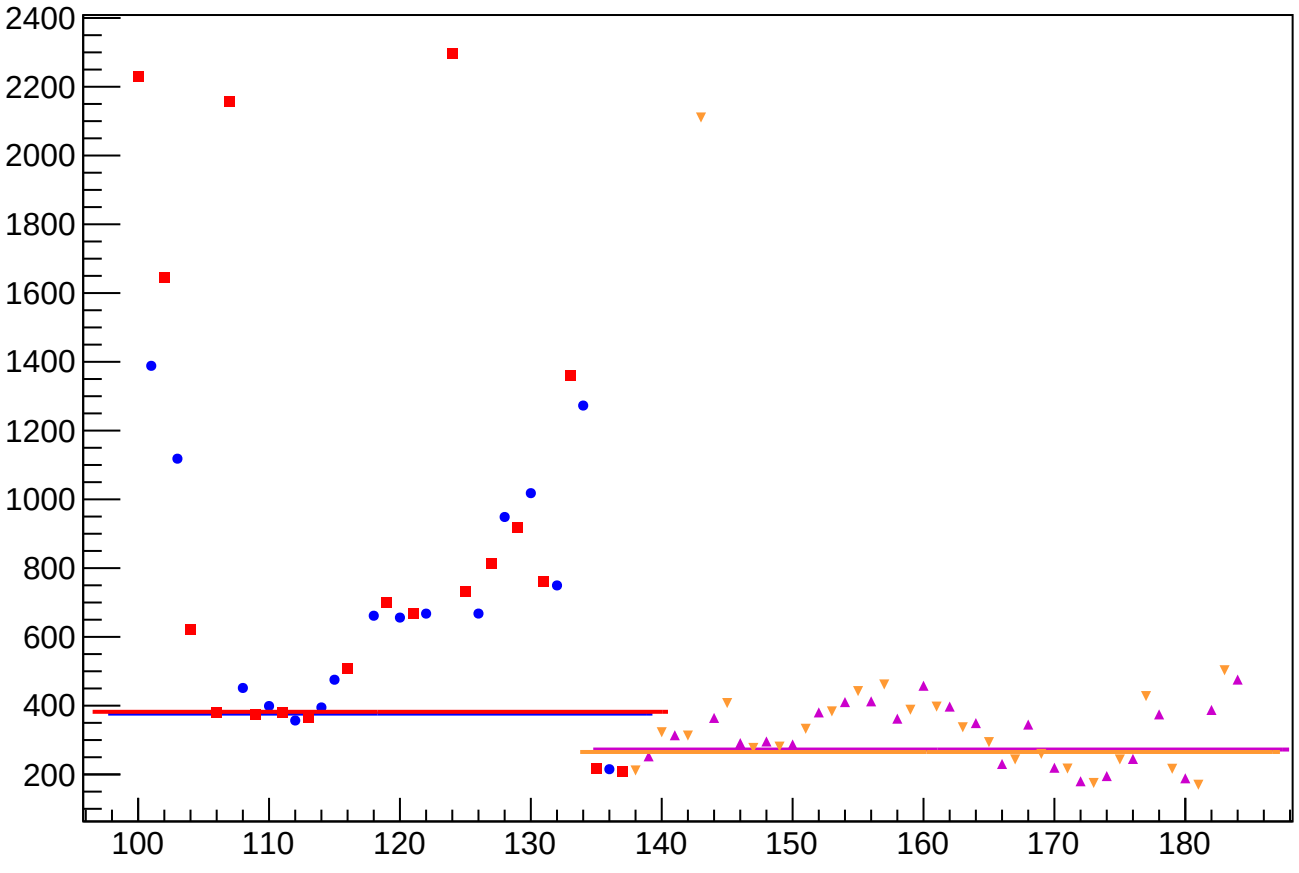
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.076+/-60.807 χ^2/NDF: 66.6/39

All: -138.609+/-43.517 χ^2/NDF: 94.9/81

- sign -120.271+/-62.305 χ^2/NDF: 28.0/41



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

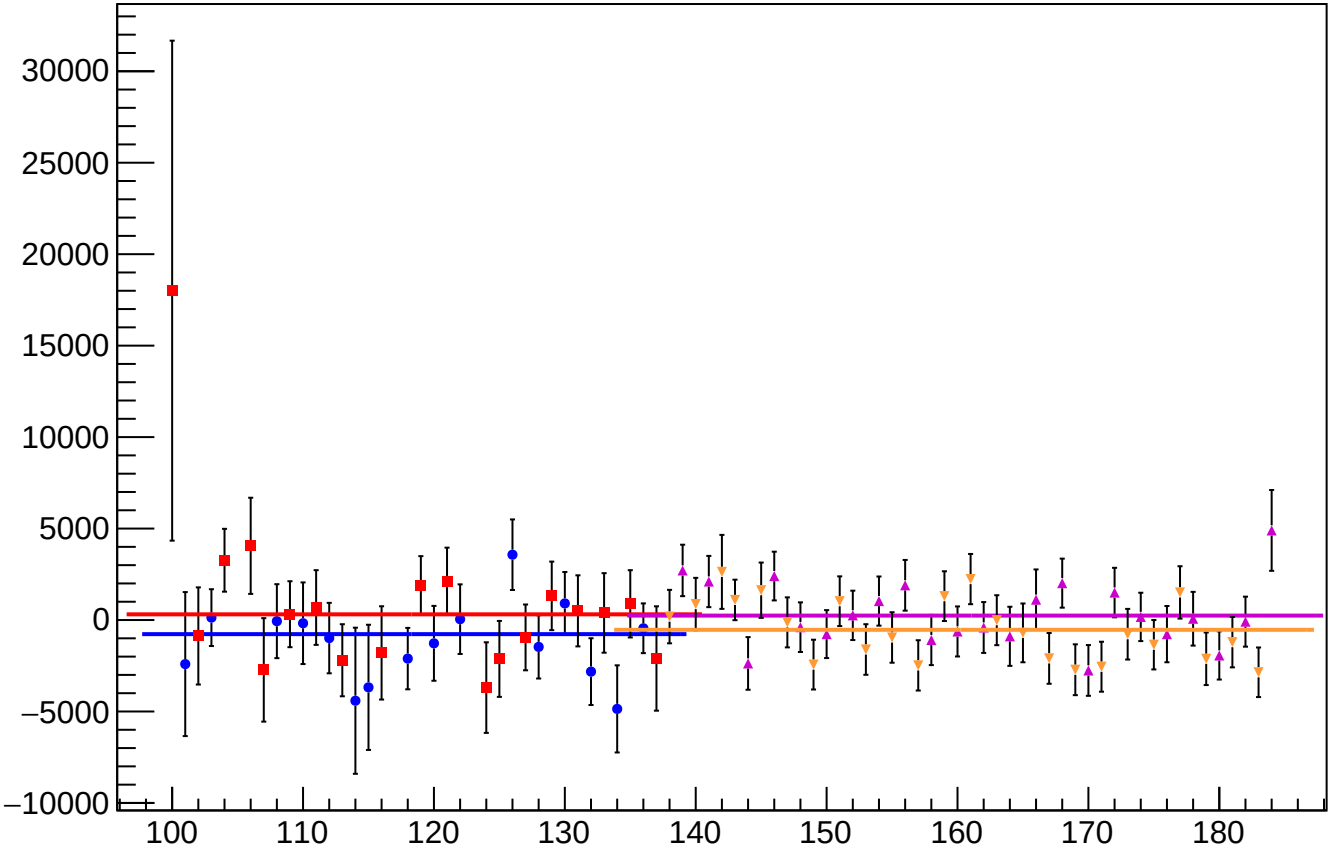
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 279.887+/-0.043 χ^2/NDF: 9486627.4/39

All: 283.469+/-0.031 χ^2/NDF: 17174245.5/81

- sign 287.229+/-0.044 χ^2/NDF: 7673394.8/41

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

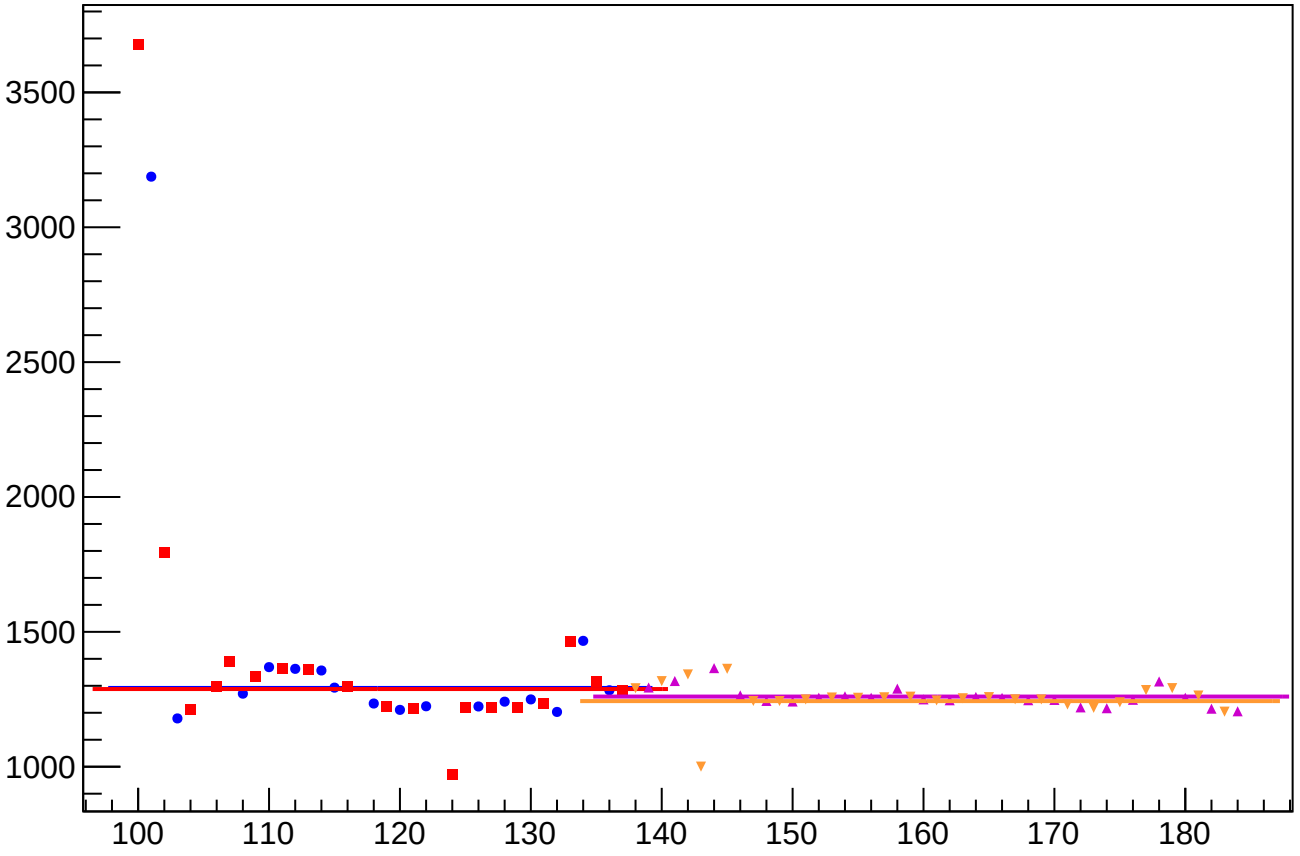
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -594.738+/-246.188 χ^2/NDF: 46.5/39

All: -175.741+/-175.859 χ^2/NDF: 101.1/81

- sign 260.821+/-251.295 χ^2/NDF: 48.6/41

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

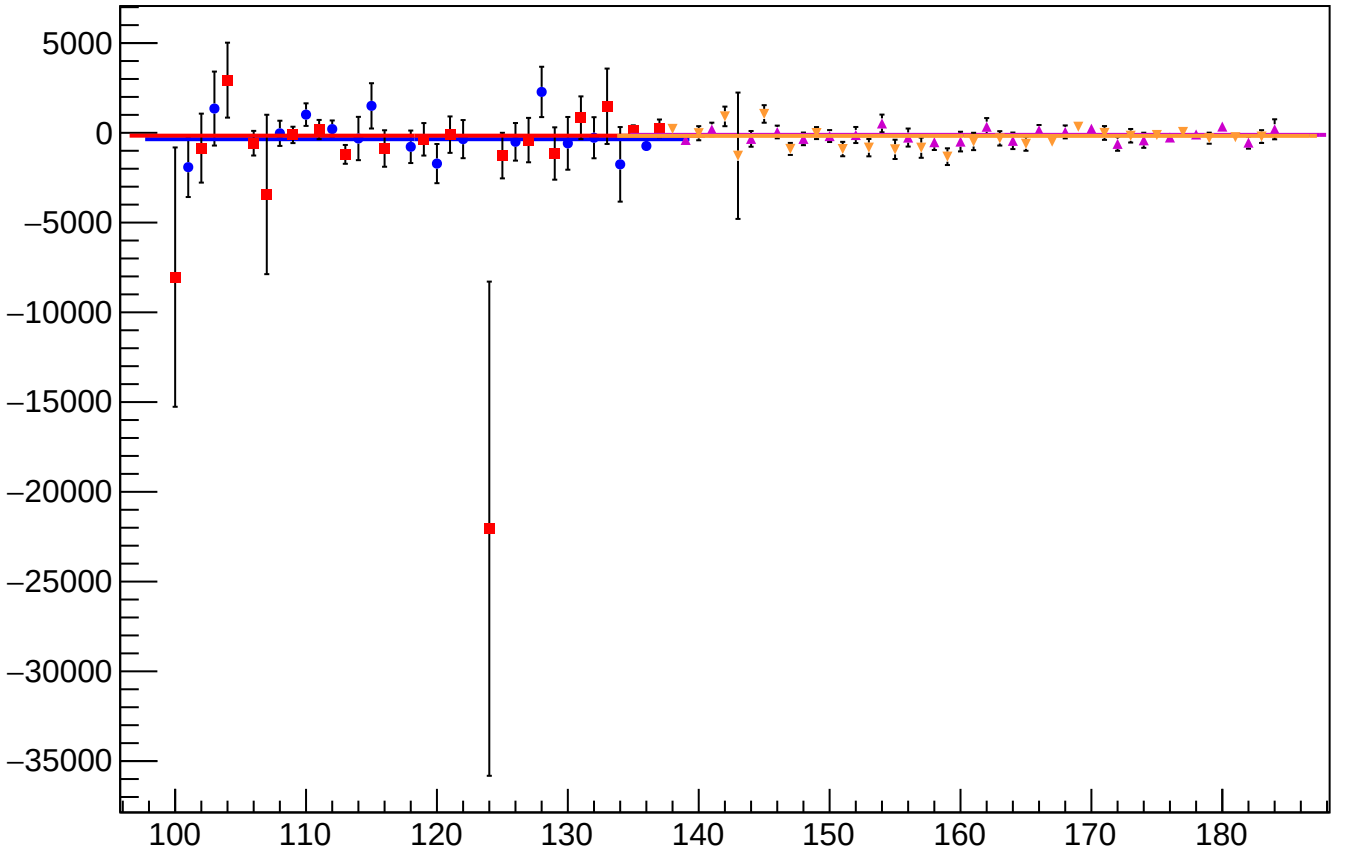
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1255.591+/-0.174 χ^2/NDF: 653390.0/39

All: 1261.500+/-0.124 χ^2/NDF: 897752.9/81

- sign 1267.656+/-0.178 χ^2/NDF: 242010.5/41



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -170.049+/-64.466 χ^2/NDF:41.8/23

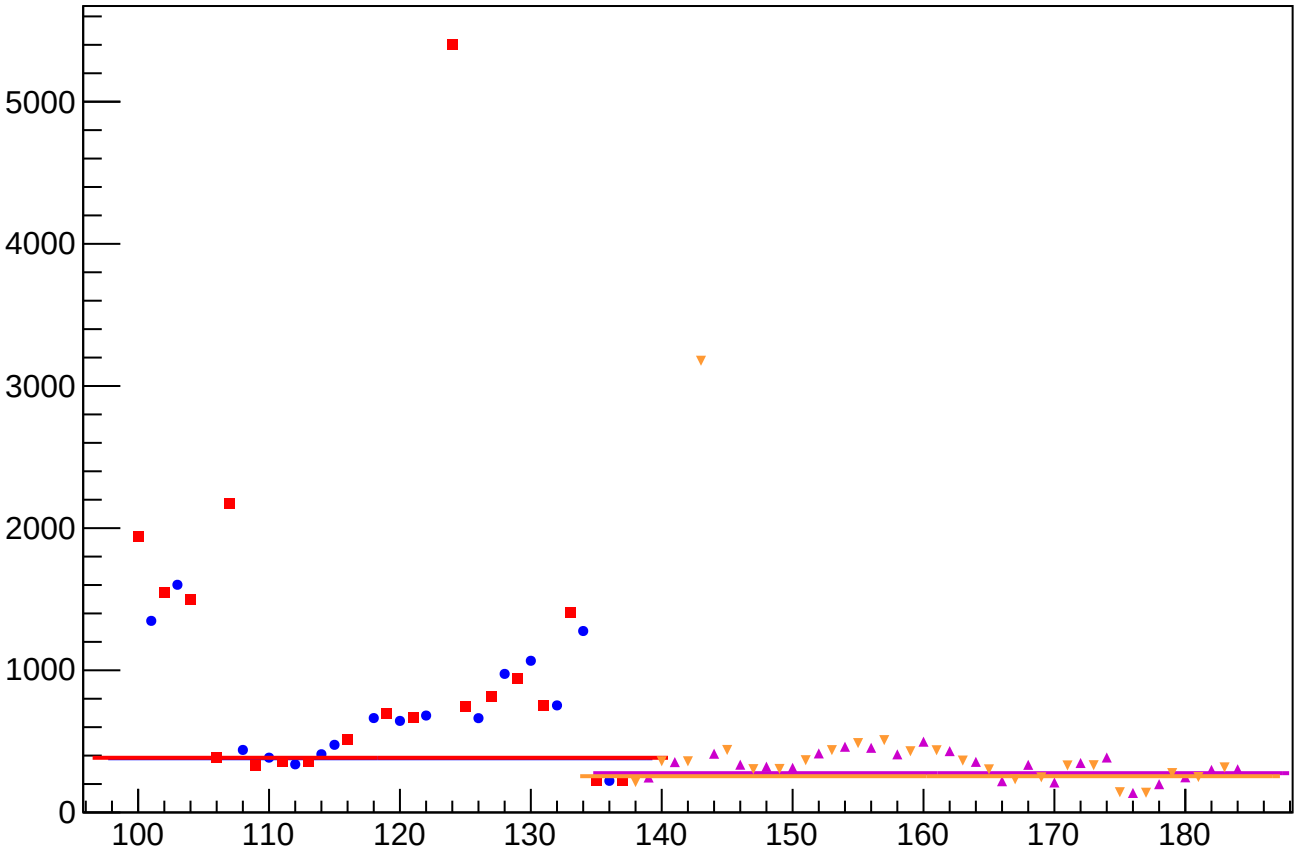
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -193.337+/-60.276 χ^2/NDF: 61.3/39

All: -158.729+/-43.811 χ^2/NDF: 96.1/81

- sign -119.970+/-63.790 χ^2/NDF: 34.1/41



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 255.087+/-0.046 χ^2/NDF:6352307.5/23

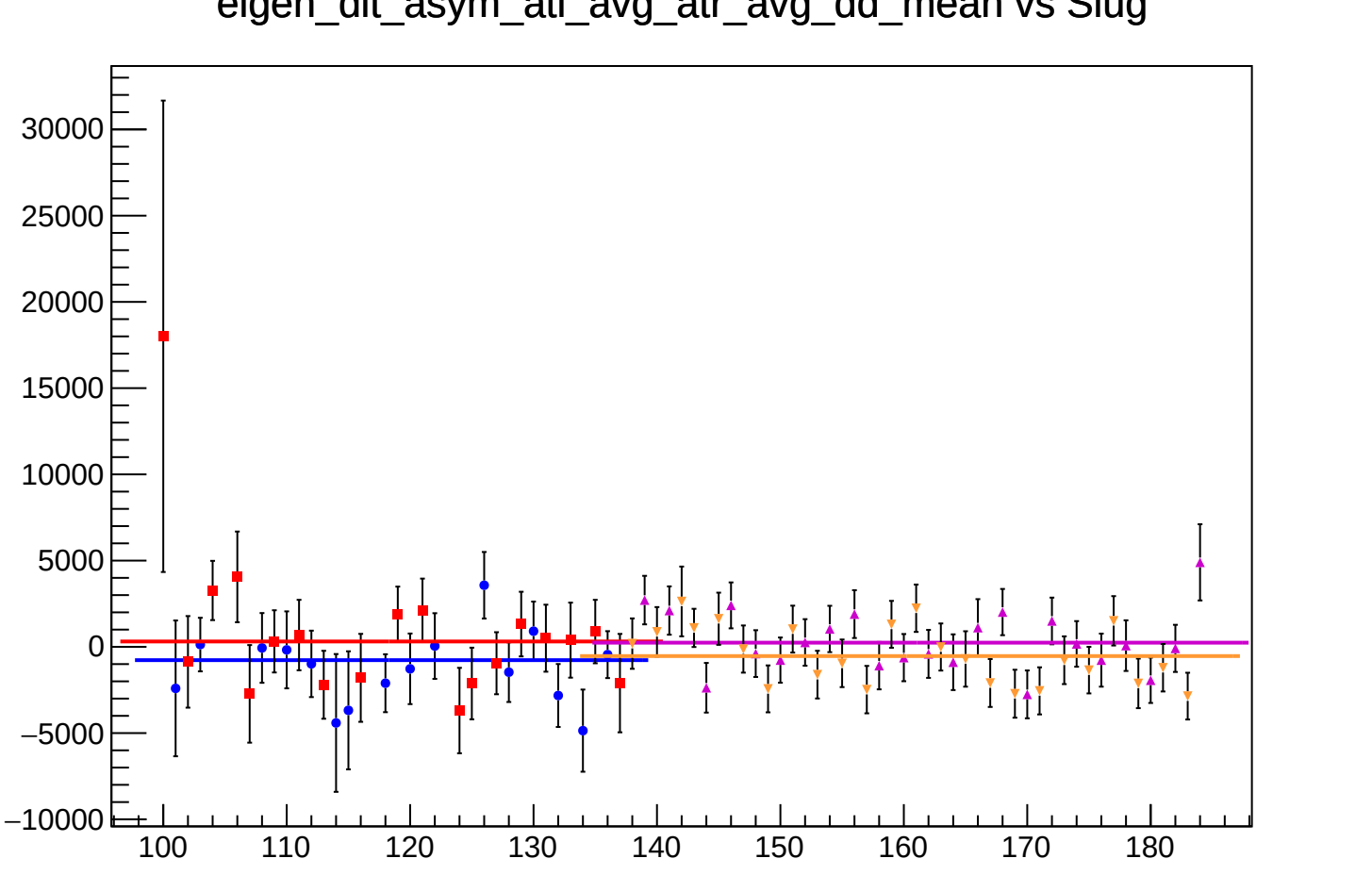
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 270.966+/-0.043 χ^2/NDF: 11635073.1/39

All: 280.706+/-0.031 χ^2/NDF: 21033786.4/81

- sign 291.615+/-0.045 χ^2/NDF: 9288002.2/41



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

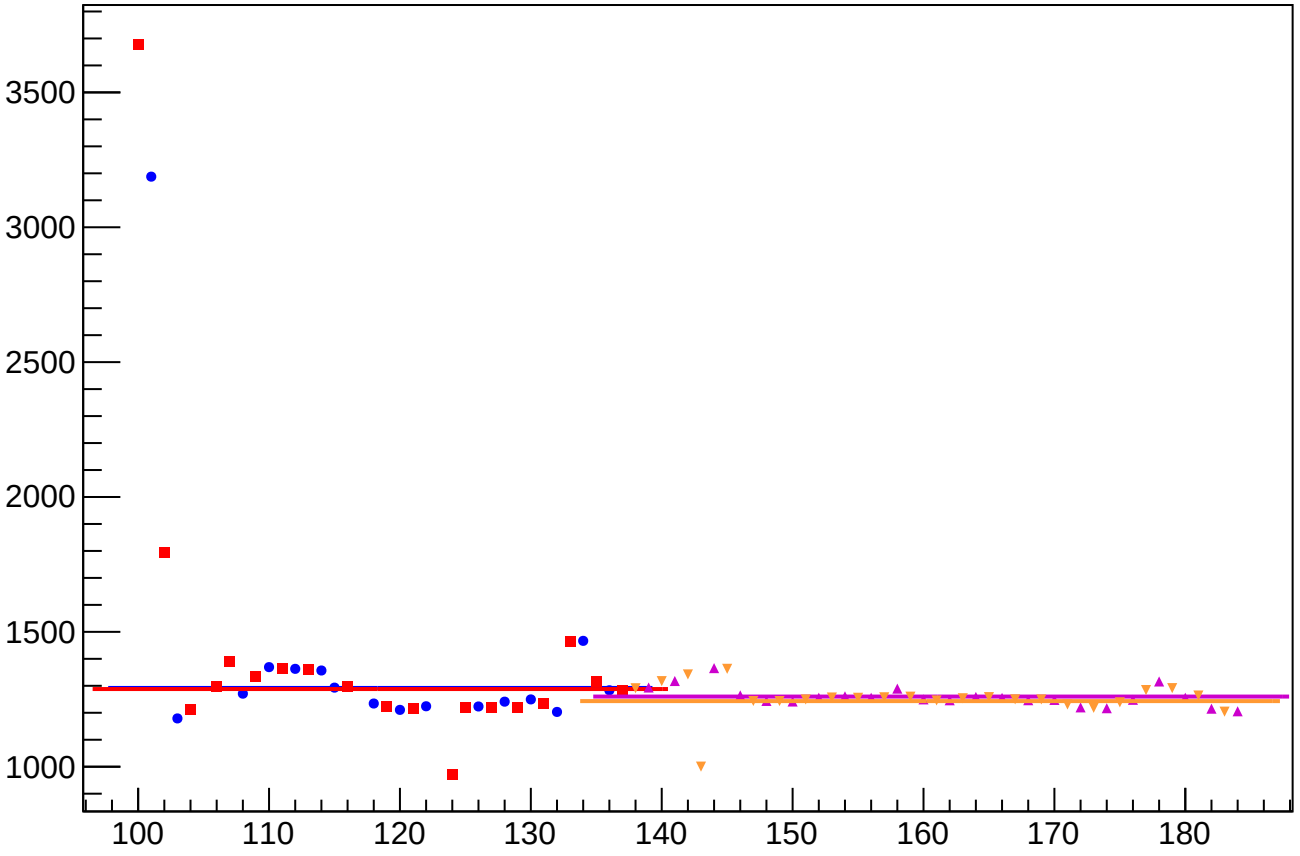
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -594.738+/-246.188 χ^2/NDF: 46.5/39

All: -175.740+/-175.859 χ^2/NDF: 101.1/81

- sign 260.822+/-251.295 χ^2/NDF: 48.6/41

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

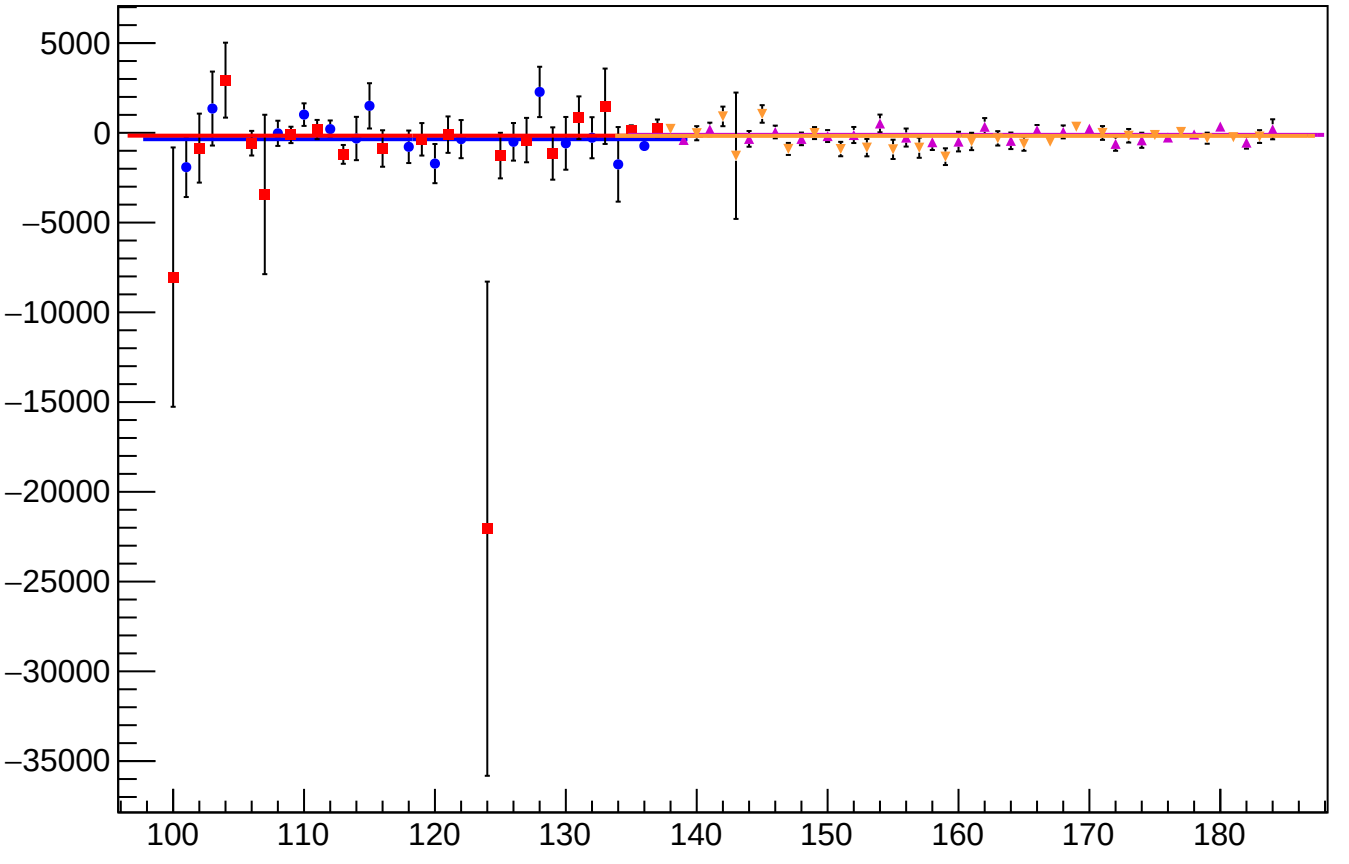
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1255.591+/-0.174 χ^2/NDF: 653389.1/39

All: 1261.499+/-0.124 χ^2/NDF: 897752.3/81

- sign 1267.656+/-0.178 χ^2/NDF: 242010.8/41



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -170.053+/-64.466 χ^2/NDF:41.8/23

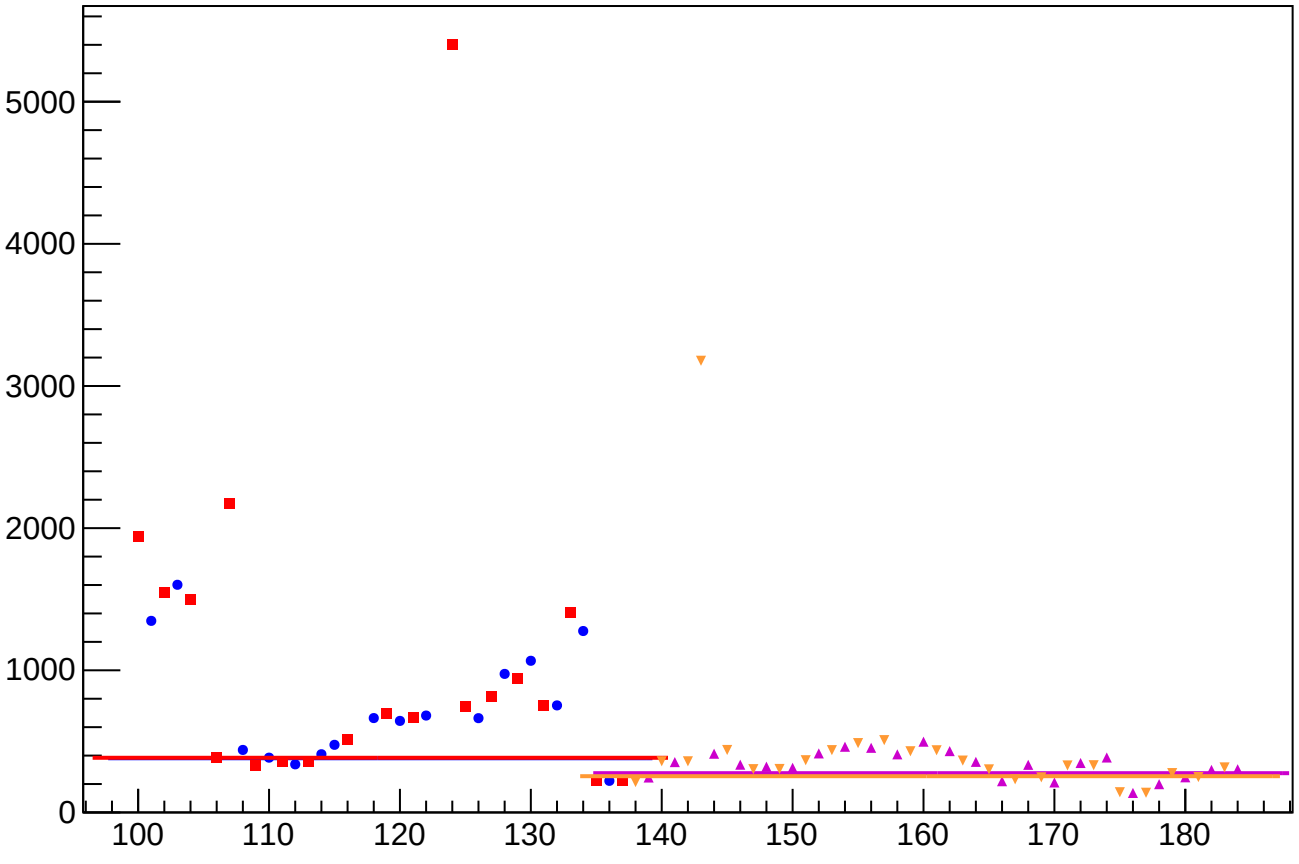
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -193.340+/-60.277 χ^2/NDF: 61.3/39

All: -158.730+/-43.811 χ^2/NDF: 96.1/81

- sign -119.969+/-63.790 χ^2/NDF: 34.1/41



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

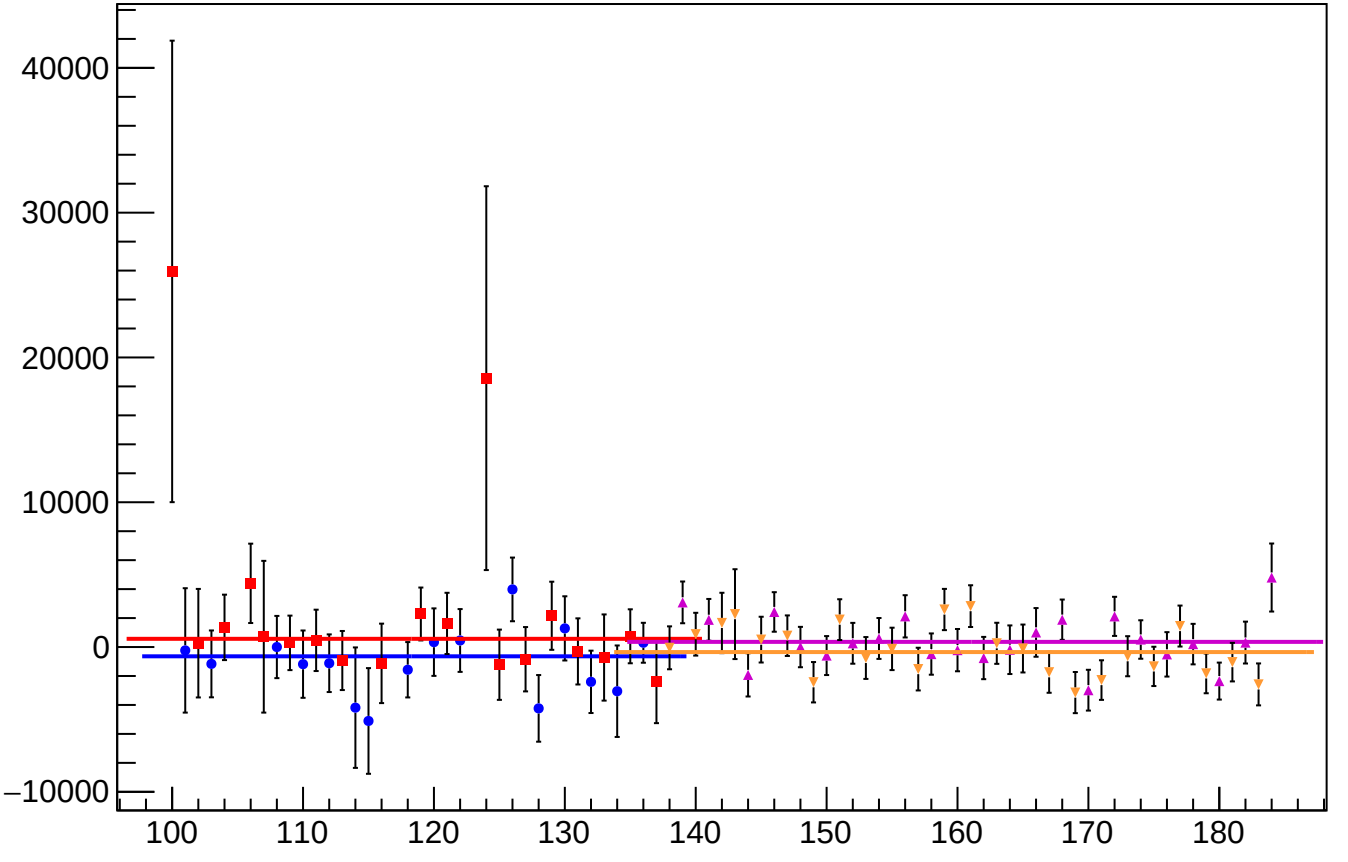
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 270.968+/-0.043 χ^2/NDF: 11634892.8/39

All: 280.708+/-0.031 χ^2/NDF: 21033495.4/81

- sign 291.616+/-0.045 χ^2/NDF: 9287901.2/41

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

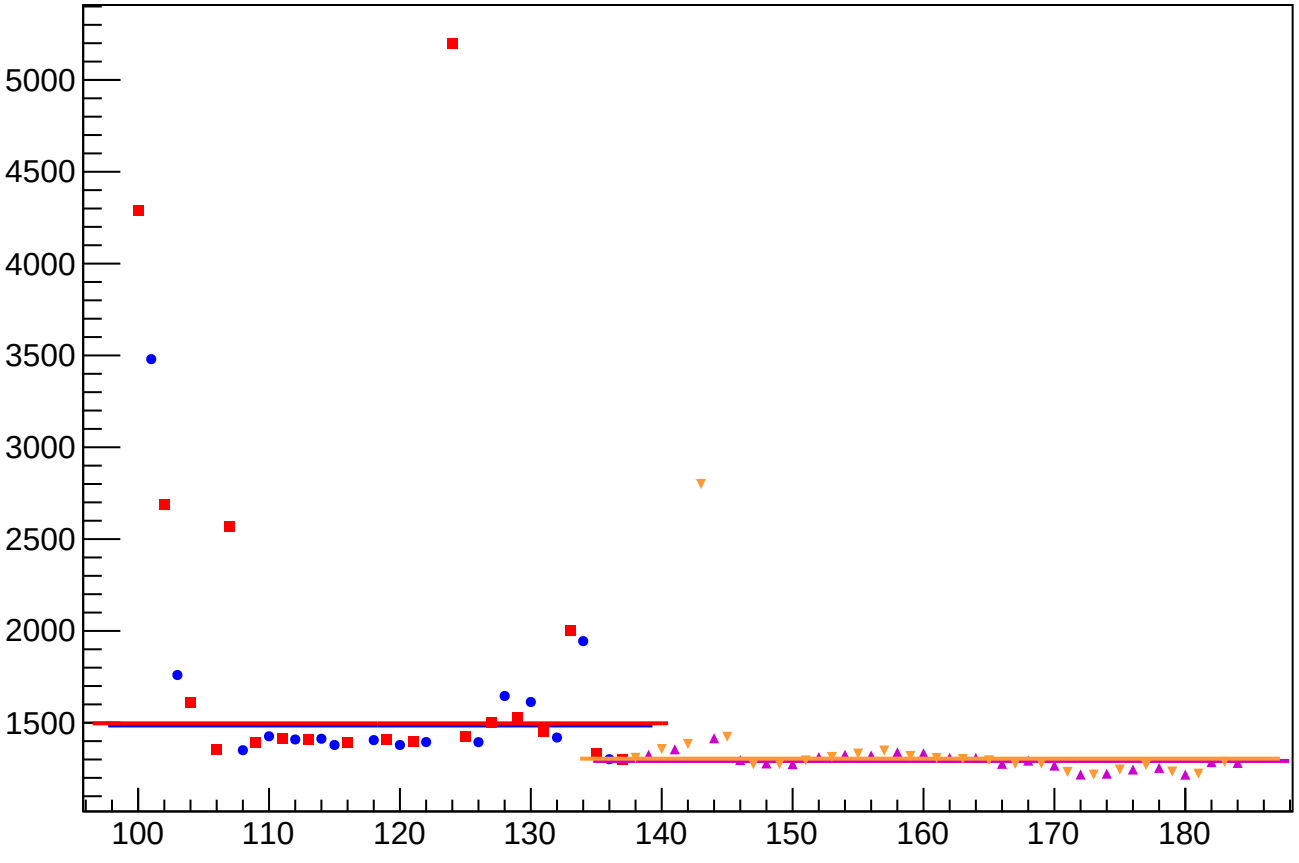
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -412.115+/-265.181 χ^2/NDF: 43.7/39

All: -6.518+/-187.961 χ^2/NDF: 89.5/81

- sign 402.993+/-266.458 χ^2/NDF: 41.1/41

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

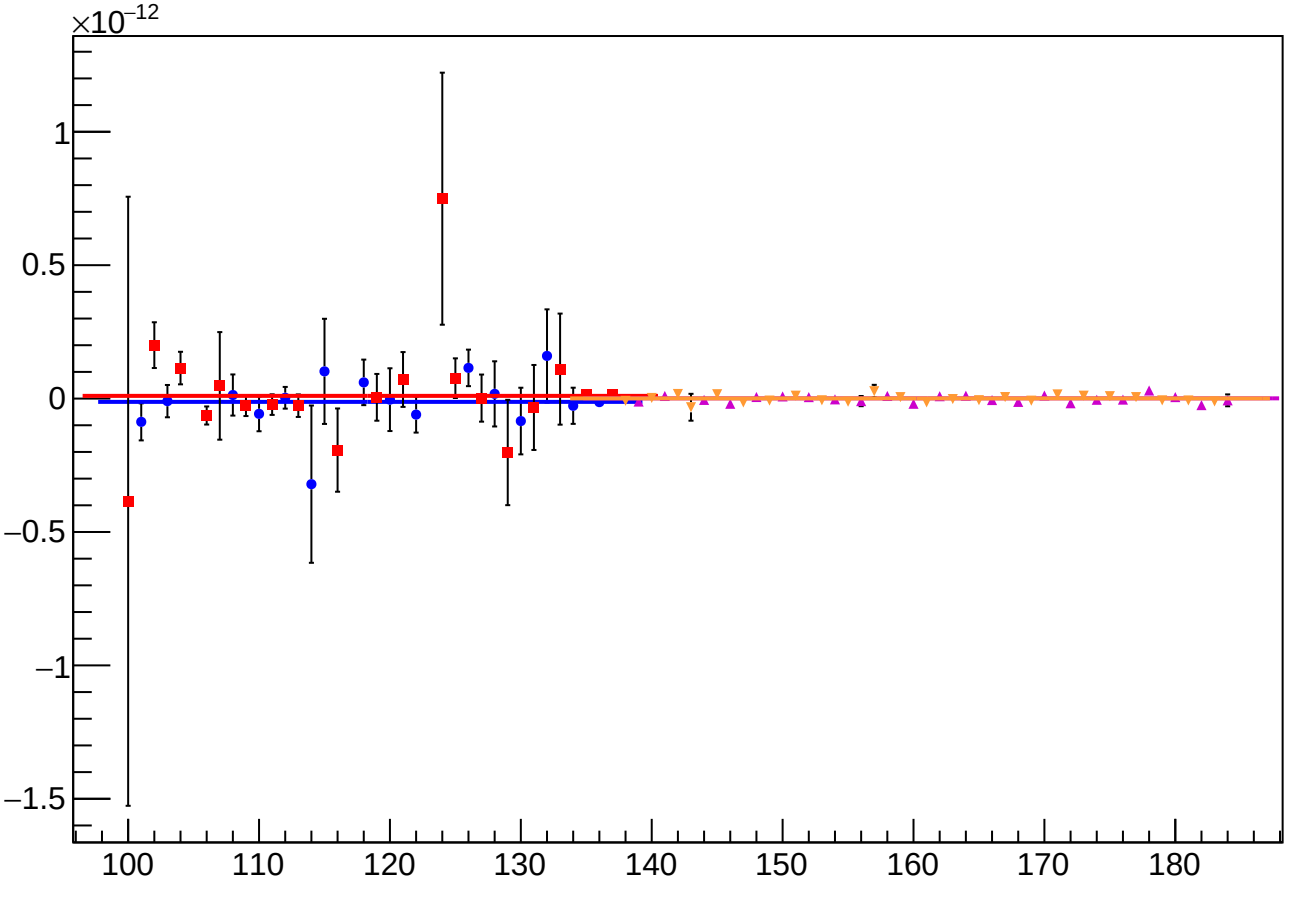
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1344.489+/-0.188 χ^2/NDF: 1263751.0/39

All: 1340.949+/-0.133 χ^2/NDF: 2139410.0/81

- sign 1337.376+/-0.188 χ^2/NDF: 874943.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/23

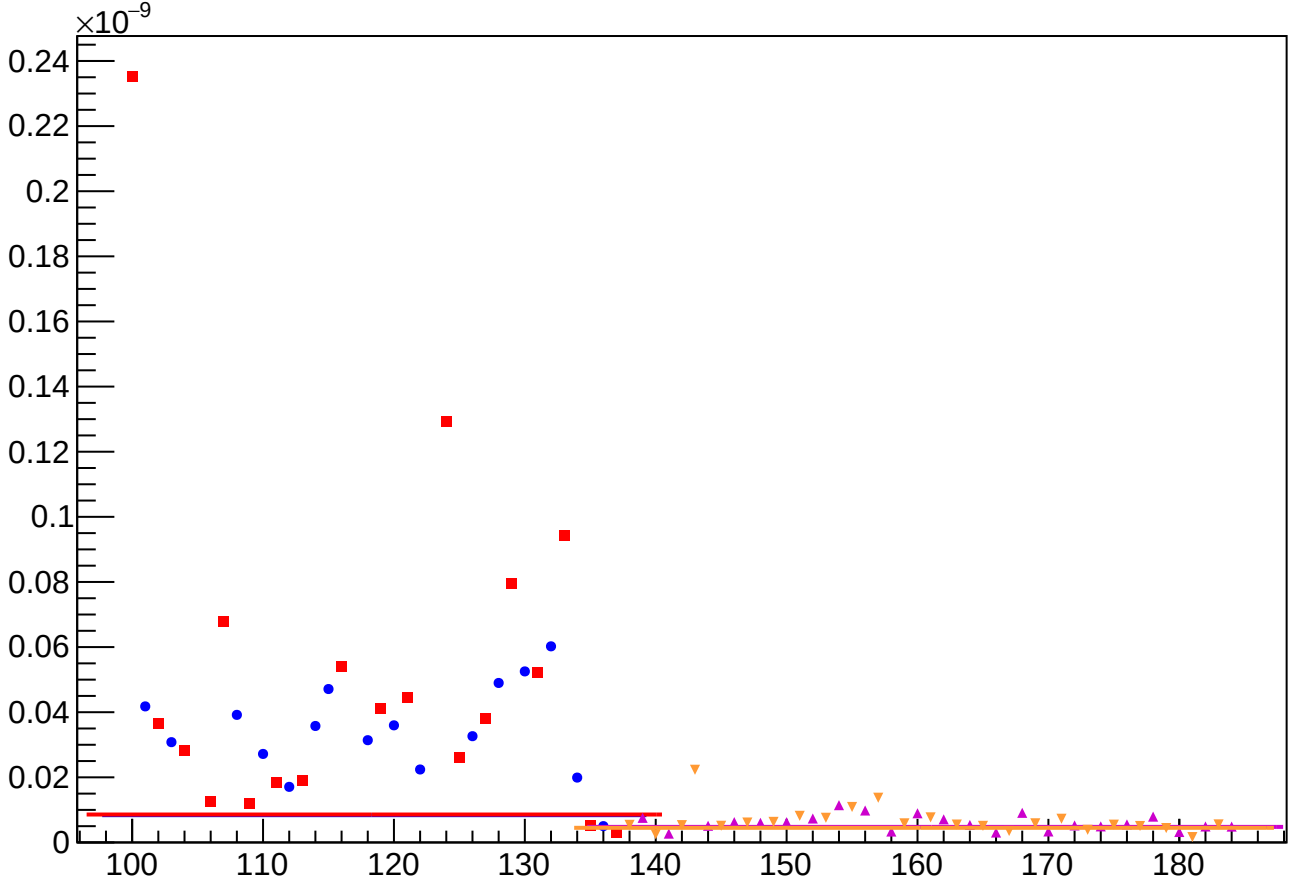
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/39

All: 0.000+/-0.000 χ^2/NDF: 89.4/81

- sign 0.000+/-0.000 χ^2/NDF: 53.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2705686.3/23

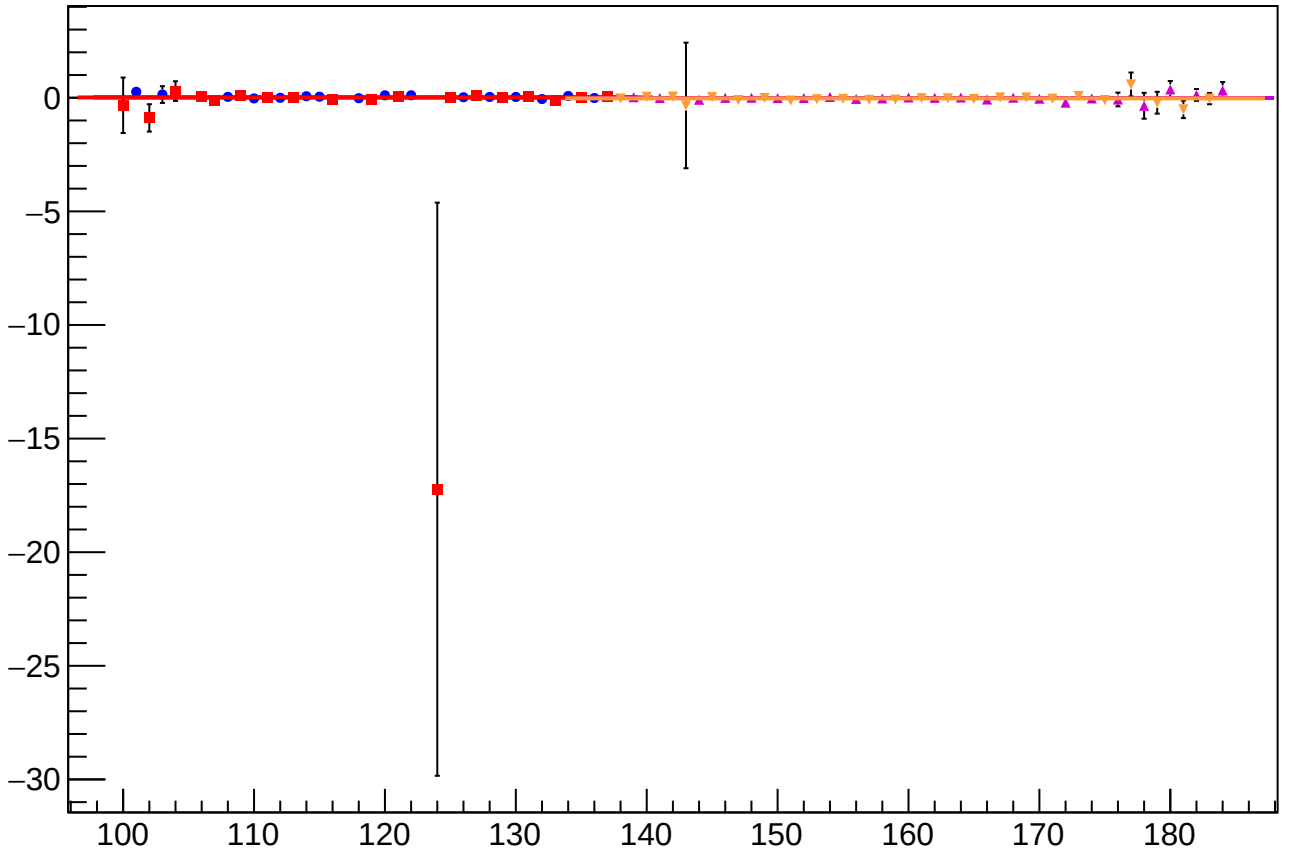
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6279024.6/39

All: 0.000+/-0.000 χ^2/NDF: 11956261.6/81

- sign 0.000+/-0.000 χ^2/NDF: 5655780.8/41



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

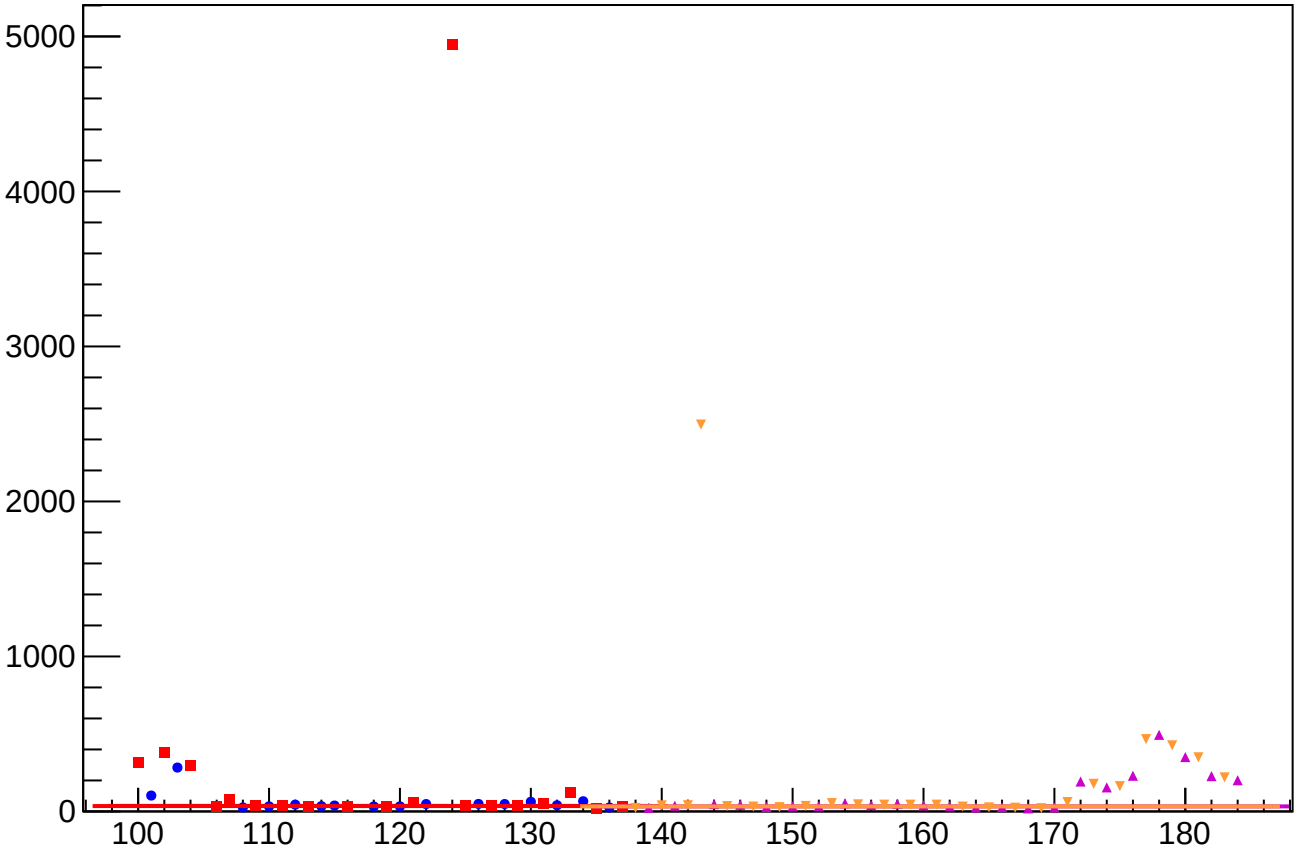
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 76.3/81

- sign -0.004+/-0.008 χ^2/NDF: 31.0/41

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

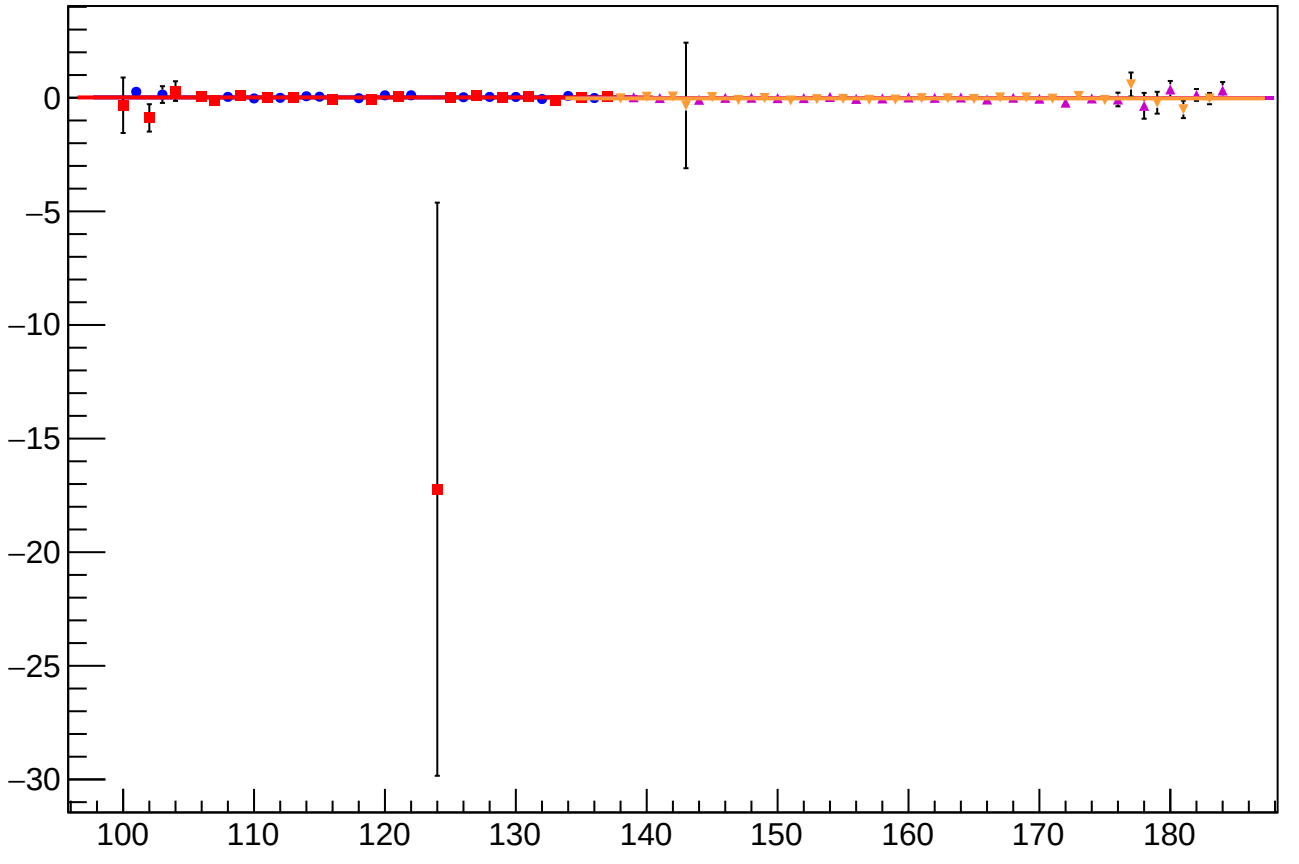
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.351+/-0.006 χ^2/NDF: 12860894.2/39

All: 33.323+/-0.004 χ^2/NDF: 24763673.0/81

- sign 33.294+/-0.006 χ^2/NDF: 11902728.8/41



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

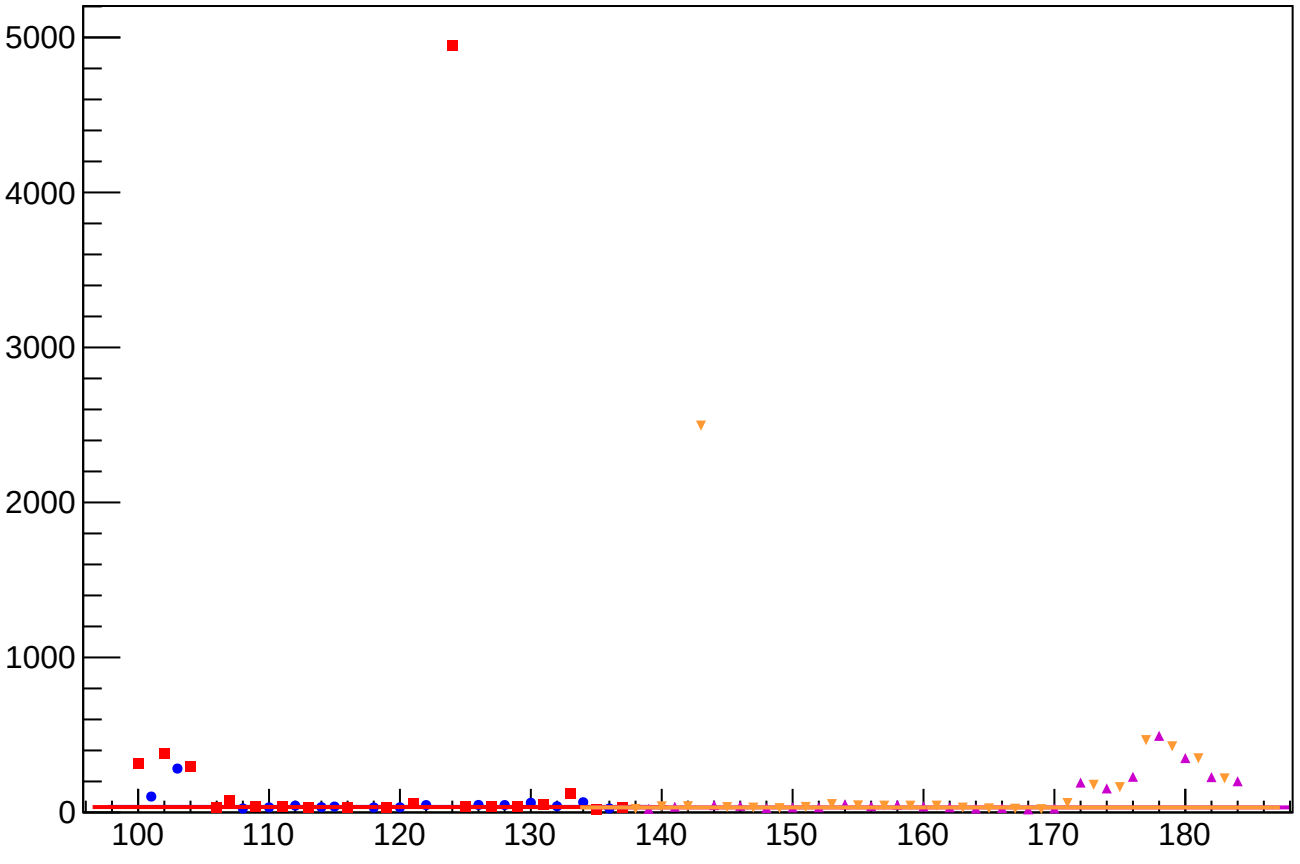
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 76.3/81

- sign -0.004+/-0.008 χ^2/NDF: 31.0/41



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

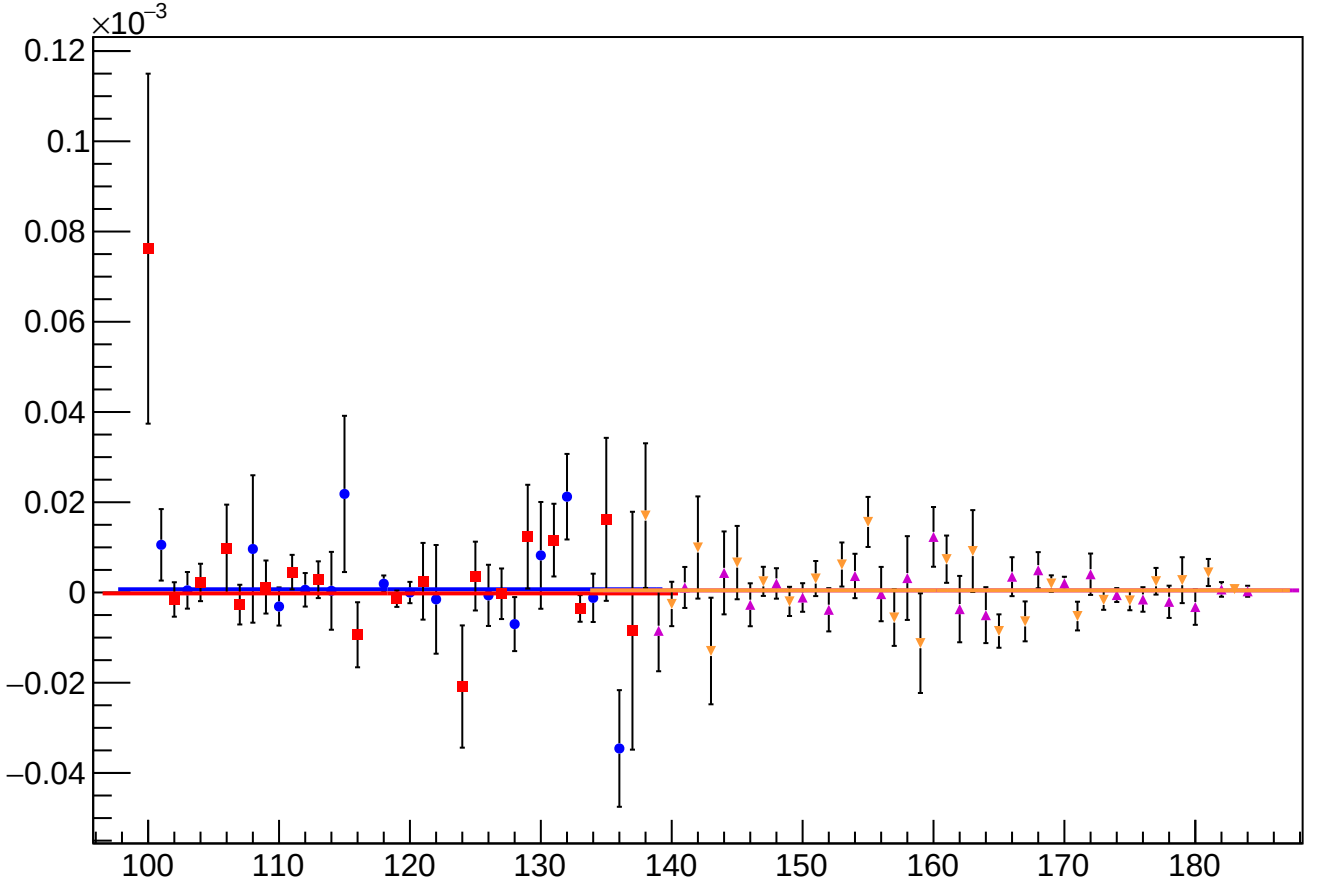
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.351+/-0.006 χ^2/NDF: 12860894.2/39

All: 33.323+/-0.004 χ^2/NDF: 24763673.0/81

- sign 33.294+/-0.006 χ^2/NDF: 11902728.8/41

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/23

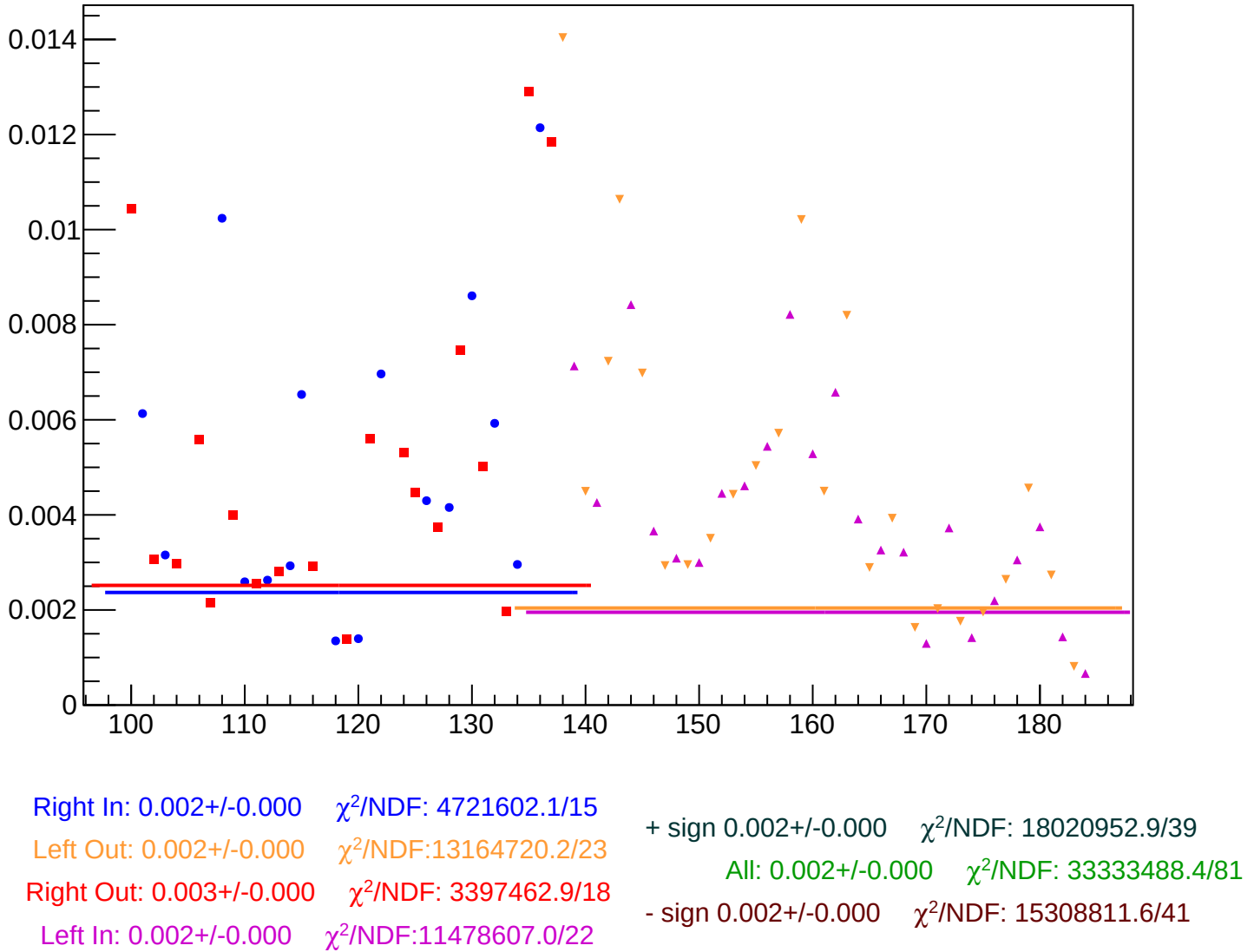
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

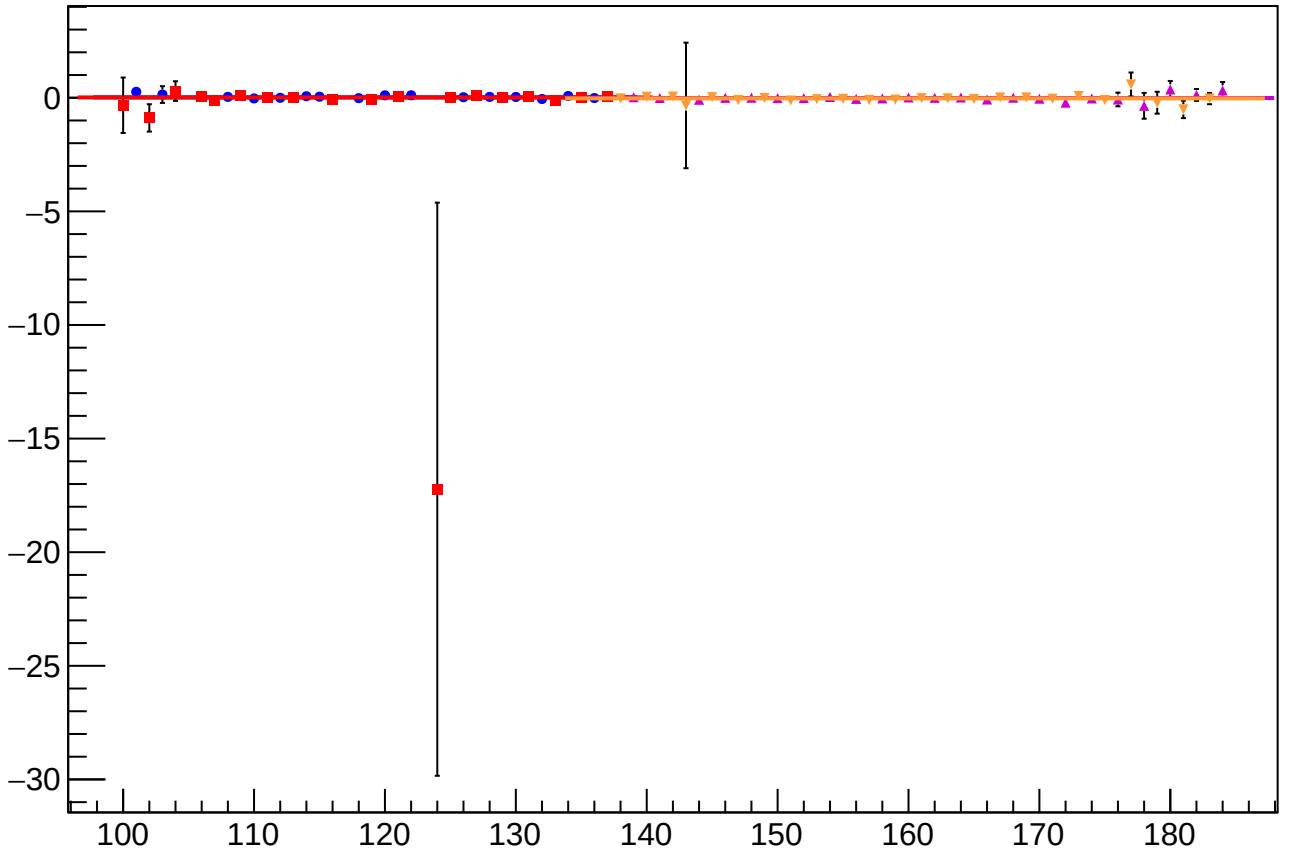
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/39

All: 0.000+/-0.000 χ^2/NDF: 87.0/81

- sign 0.000+/-0.000 χ^2/NDF: 32.1/41


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
0
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:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 18020952.9/39
All: 0.002+/-0.000 χ²/NDF: 33333488.4/81
- sign 0.002+/-0.000 χ²/NDF: 15308811.6/41



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

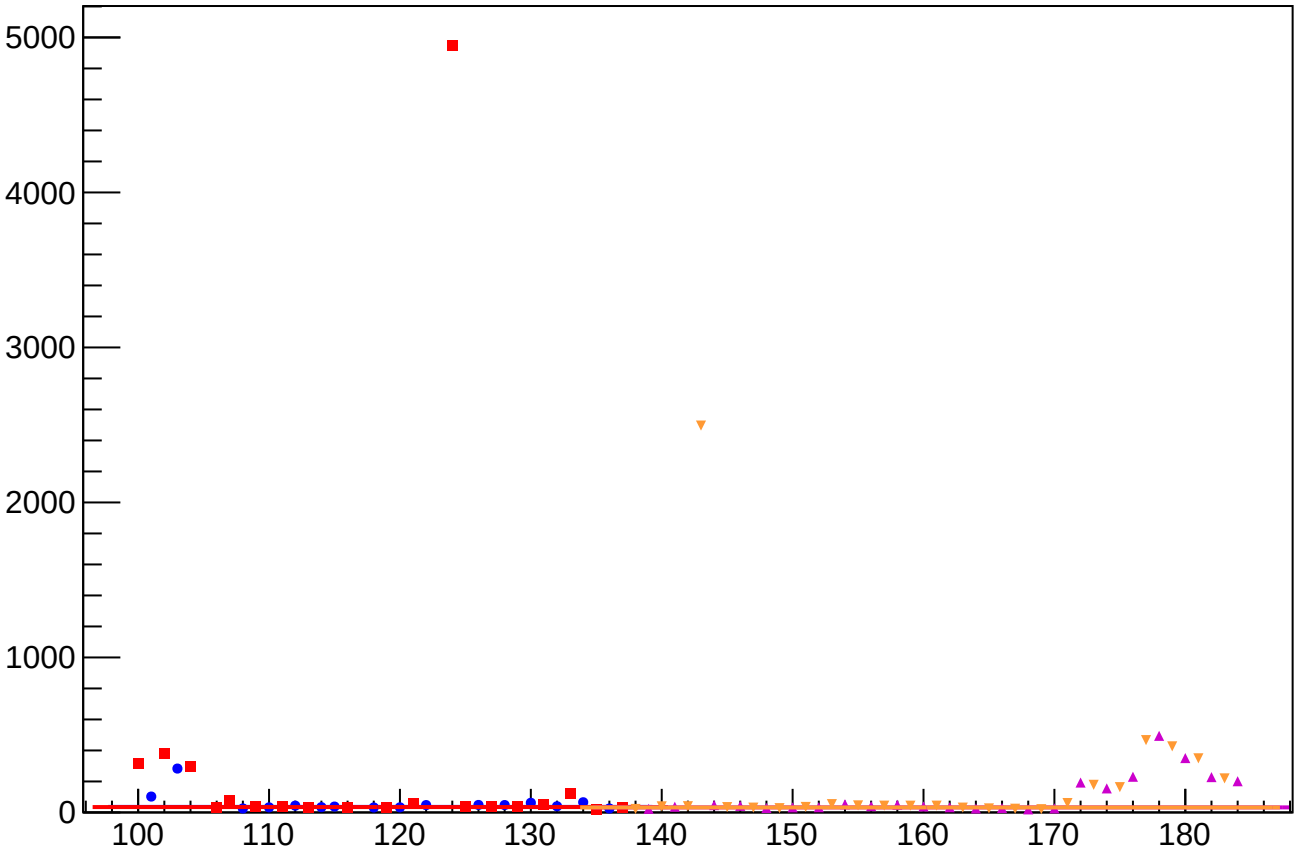
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 76.3/81

- sign -0.004+/-0.008 χ^2/NDF: 31.0/41



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.443+/-0.007 χ^2/NDF:10530277.3/23

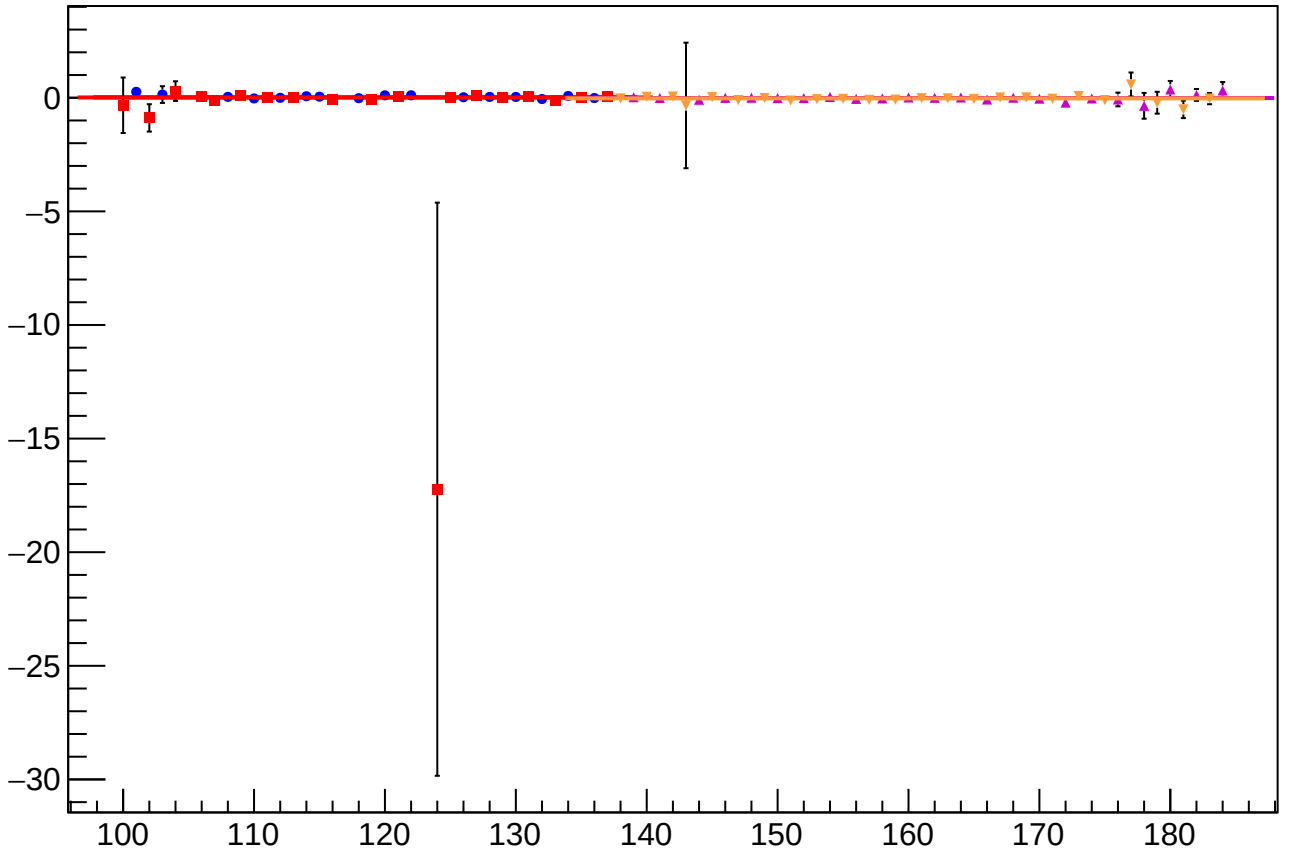
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.352+/-0.006 χ^2/NDF: 12860941.3/39

All: 33.323+/-0.004 χ^2/NDF: 24764235.2/81

- sign 33.293+/-0.006 χ^2/NDF: 11903242.3/41



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

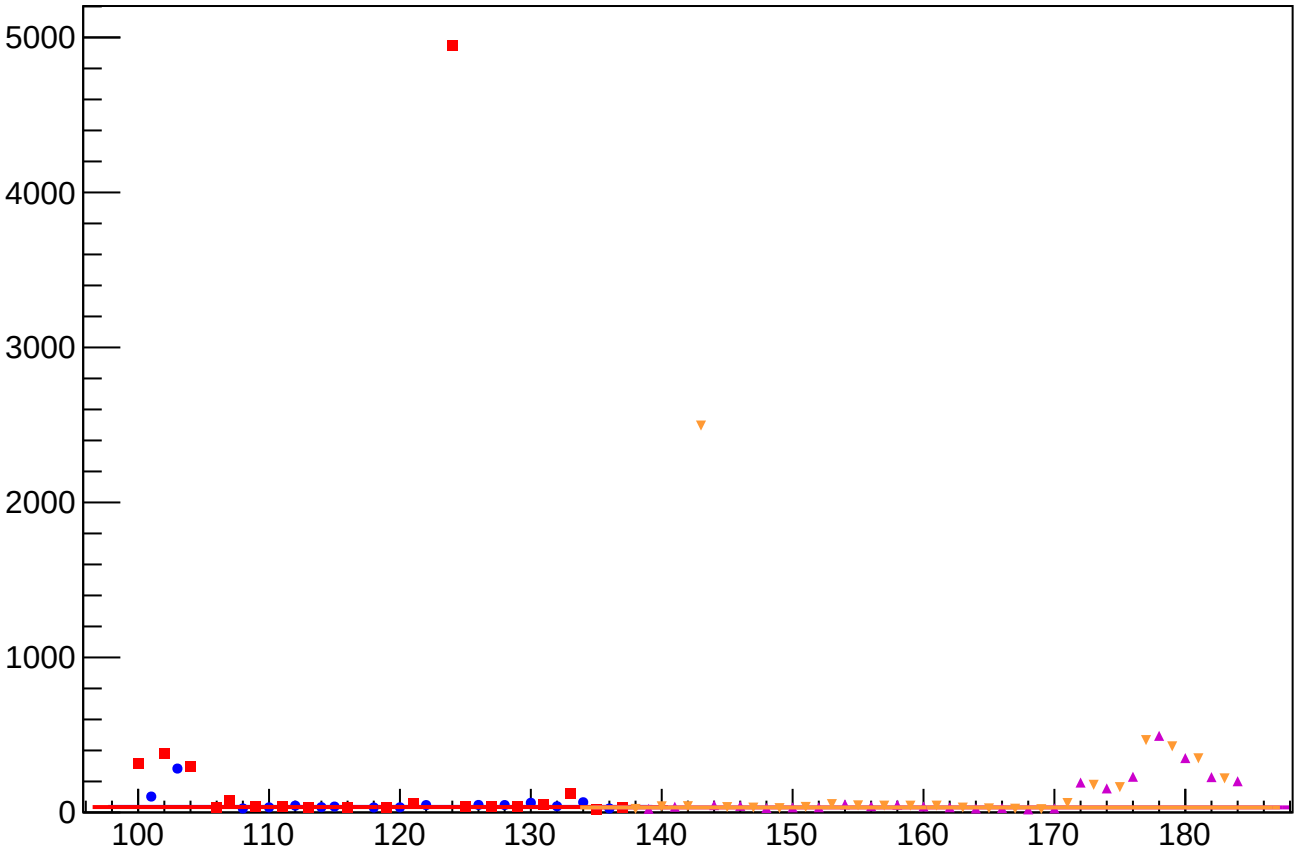
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 76.3/81

- sign -0.004+/-0.008 χ^2/NDF: 31.0/41



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.443+/-0.007 χ^2/NDF:10530277.3/23

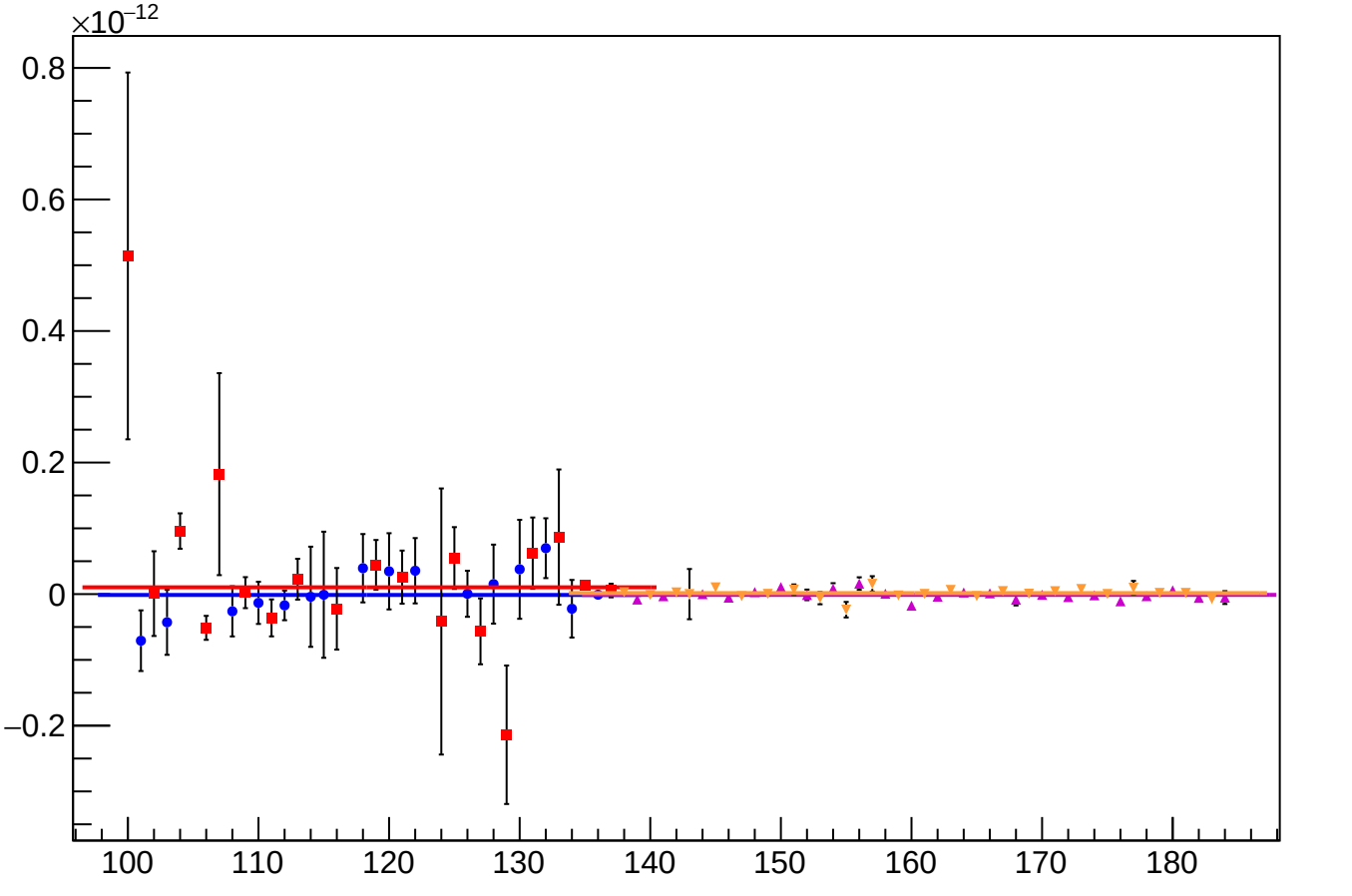
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

\+ sign 33.352+/-0.006 χ^2/NDF: 12860941.3/39

All: 33.323+/-0.004 χ^2/NDF: 24764235.2/81

\- sign 33.293+/-0.006 χ^2/NDF: 11903242.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/23

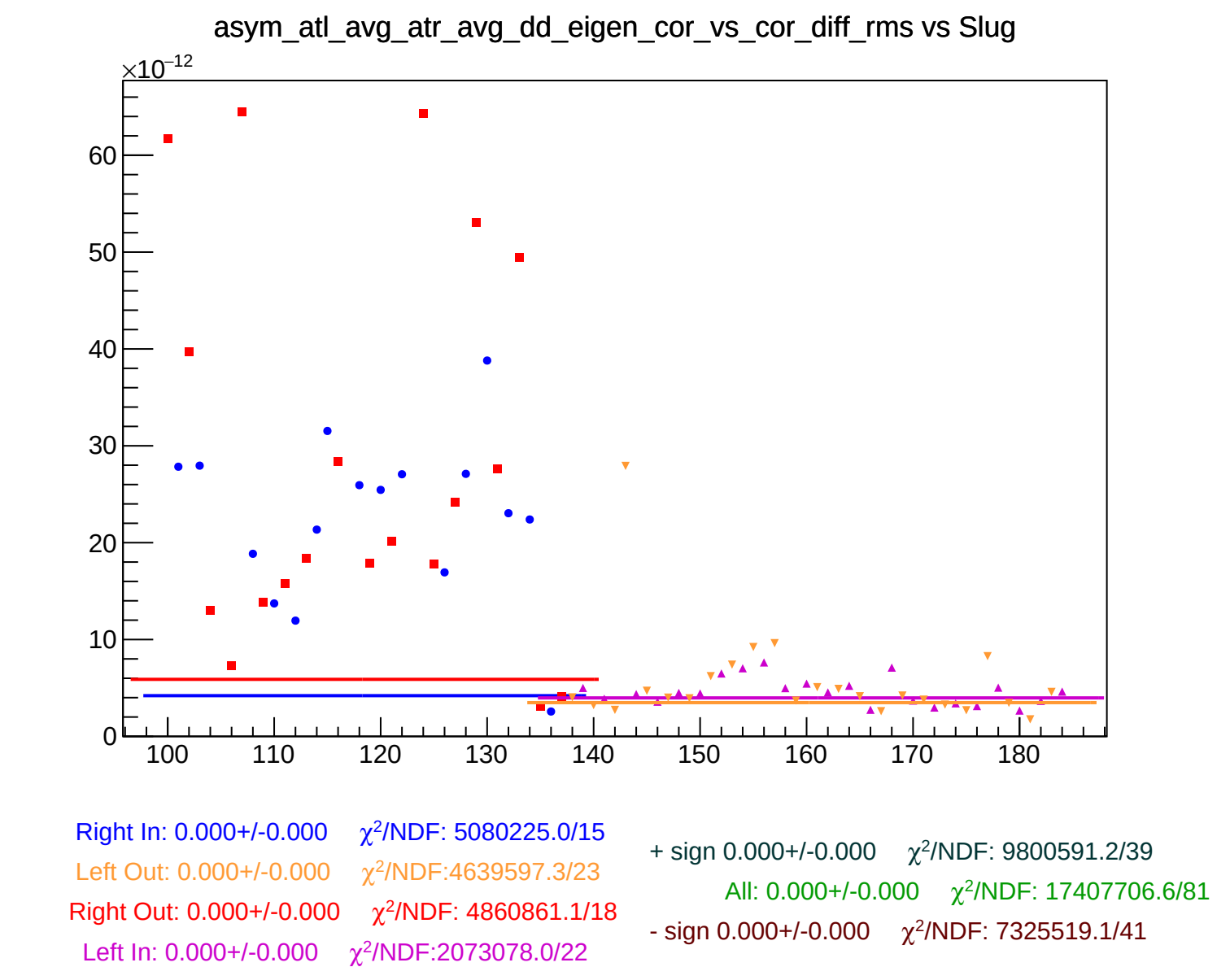
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

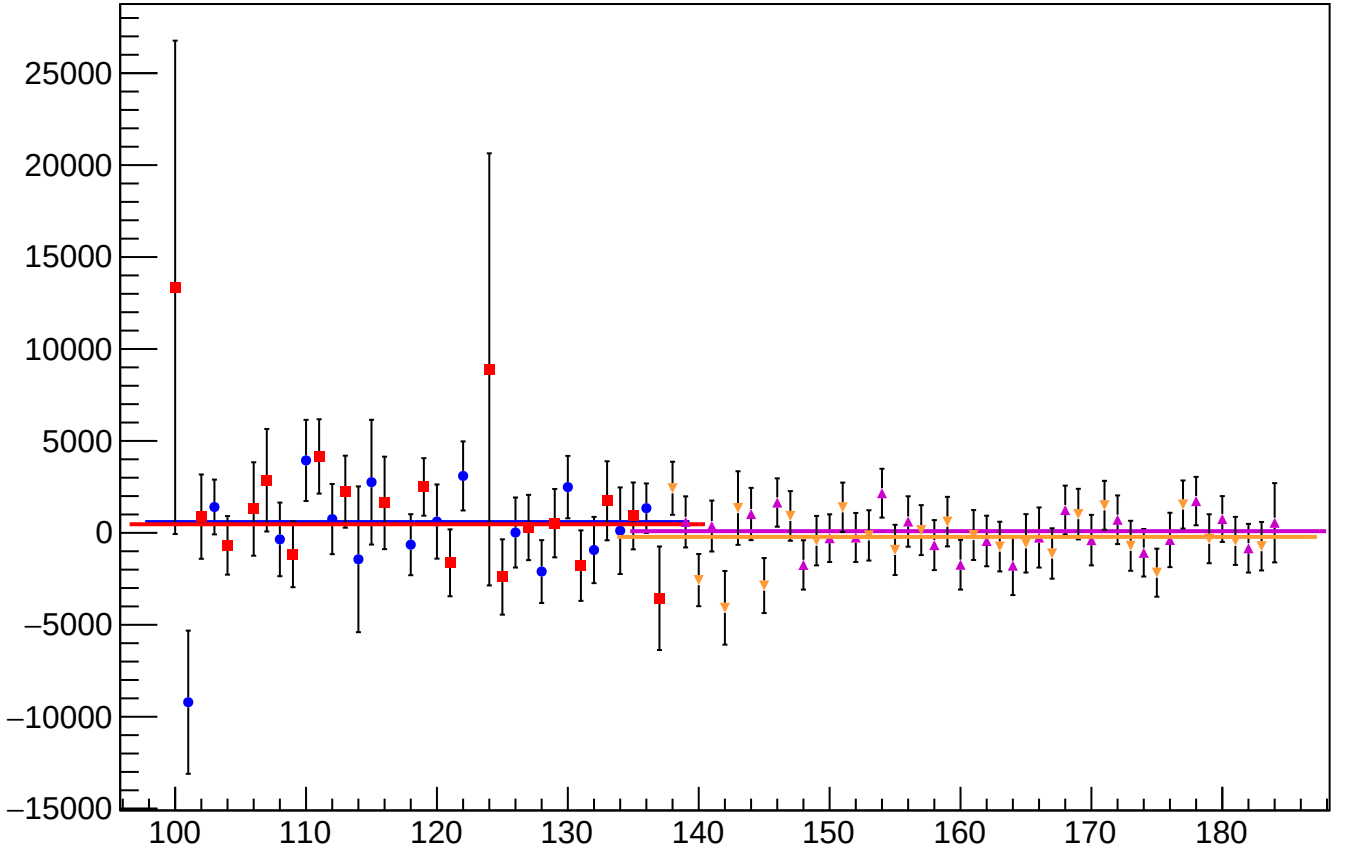
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/39

All: 0.000+/-0.000 χ^2/NDF: 104.0/81

- sign -0.000+/-0.000 χ^2/NDF: 75.6/41


asym_atl_avg_atr_avg_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: 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:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 9800591.2/39
All: 0.000+/-0.000 χ²/NDF: 17407706.6/81
- sign 0.000+/-0.000 χ²/NDF: 7325519.1/41

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

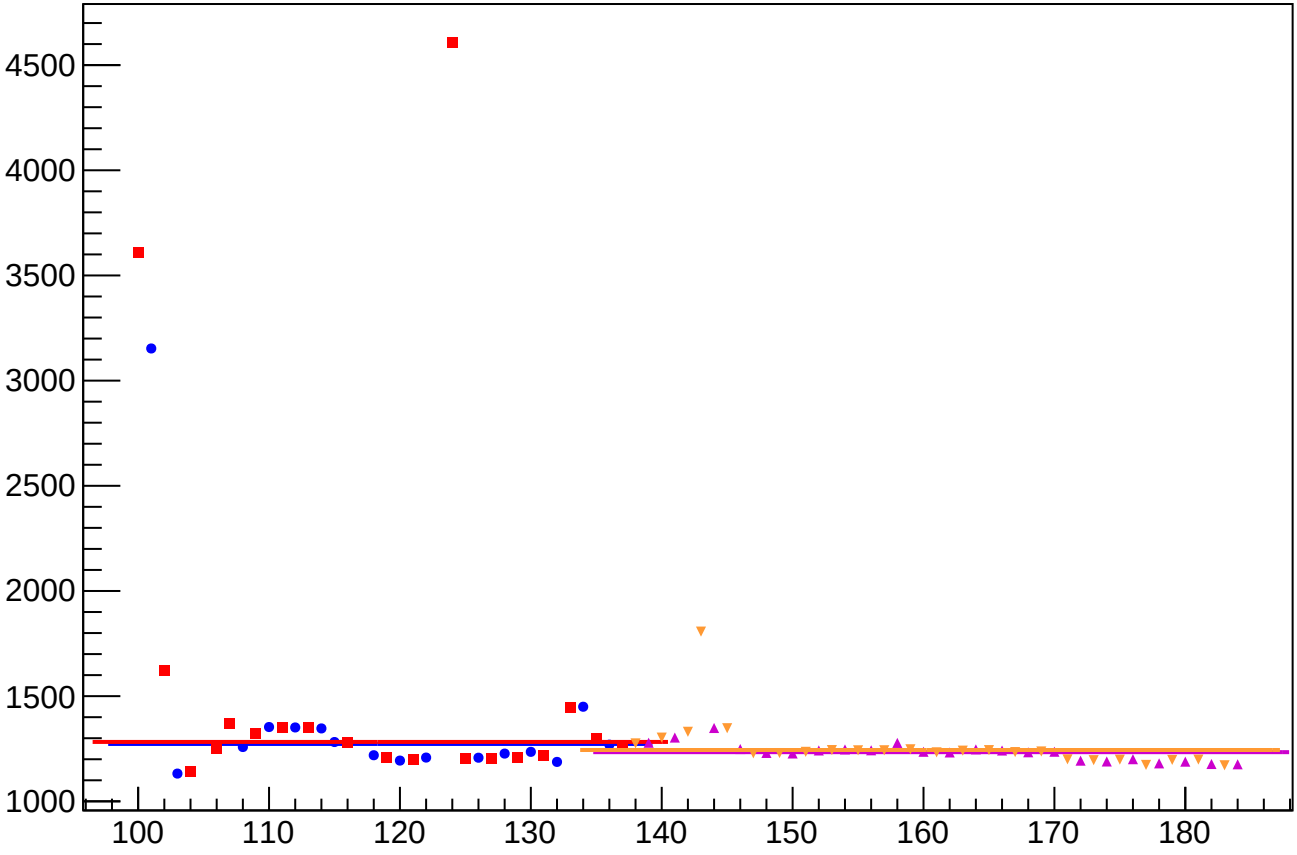
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

\+ sign -10.423+/-245.533 χ^2/NDF: 43.1/39

All: 90.141+/-174.192 χ^2/NDF: 75.4/81

\- sign 192.046+/-247.165 χ^2/NDF: 32.0/41

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

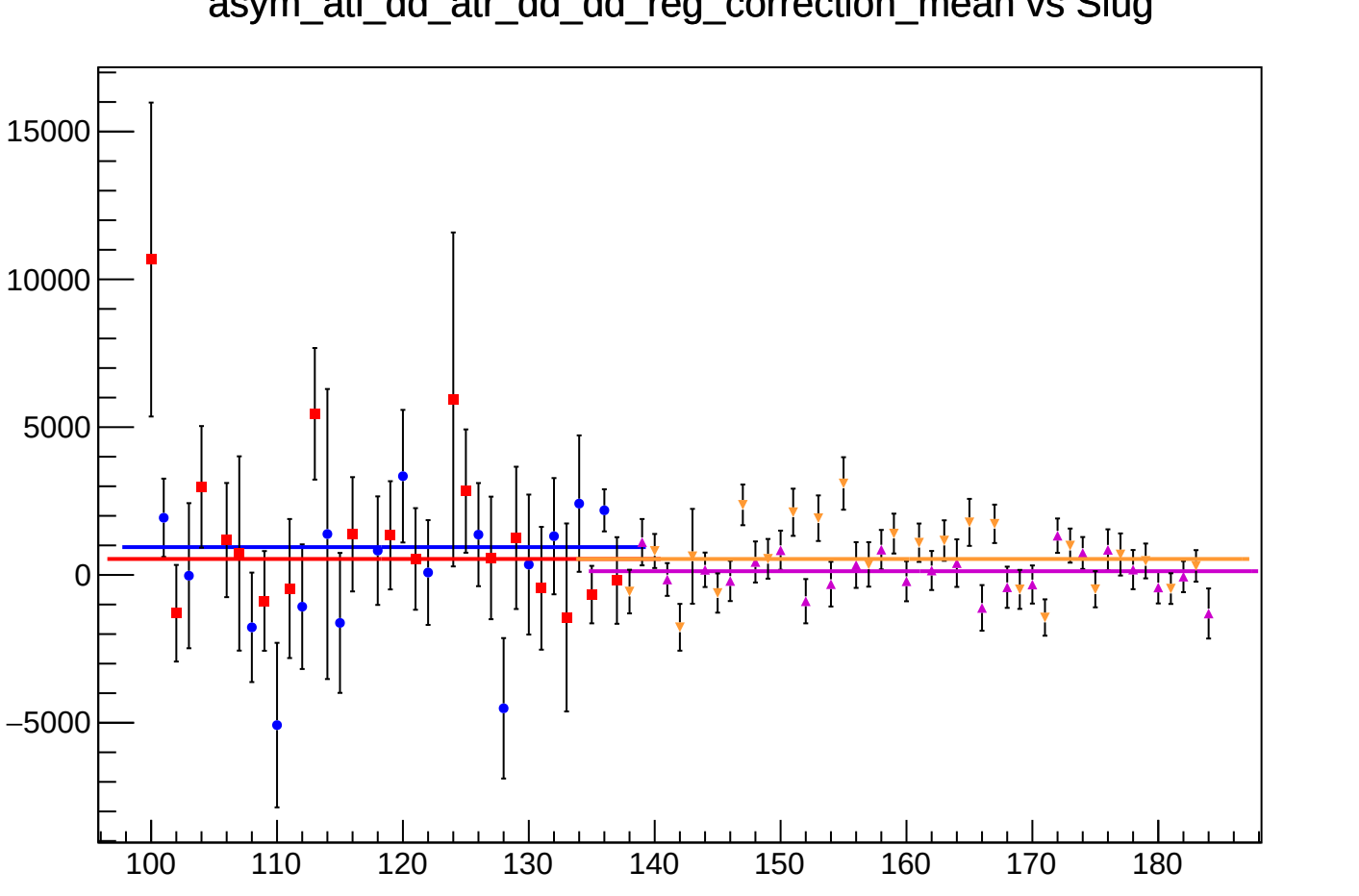
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.458+/-0.174 χ^2/NDF: 725672.5/39

All: 1249.052+/-0.123 χ^2/NDF: 1102473.5/81

- sign 1246.614+/-0.175 χ^2/NDF: 376414.4/41



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

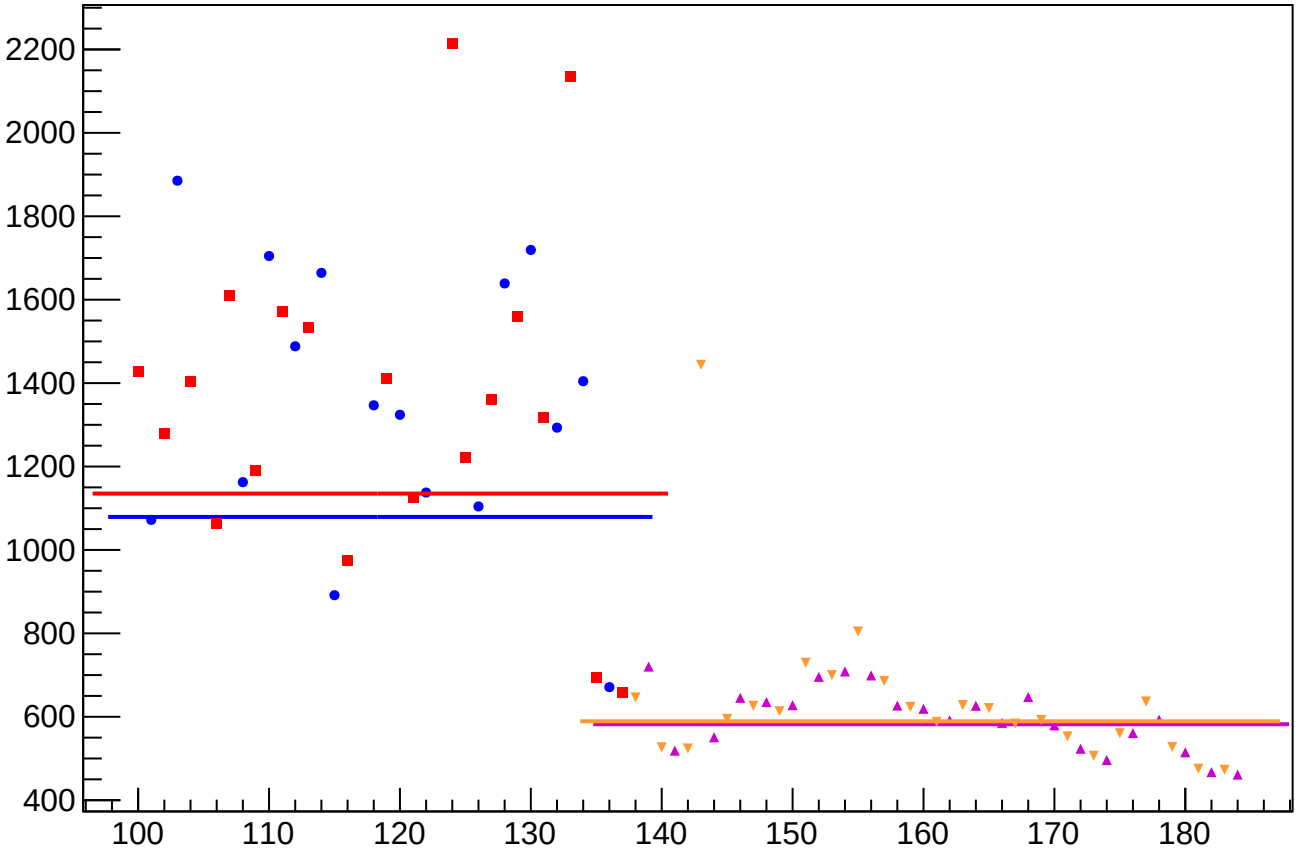
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 578.097+/-130.632 χ^2/NDF: 86.4/39

All: 371.340+/-92.513 χ^2/NDF: 130.9/81

\- sign 163.307+/-131.035 χ^2/NDF: 39.5/41

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

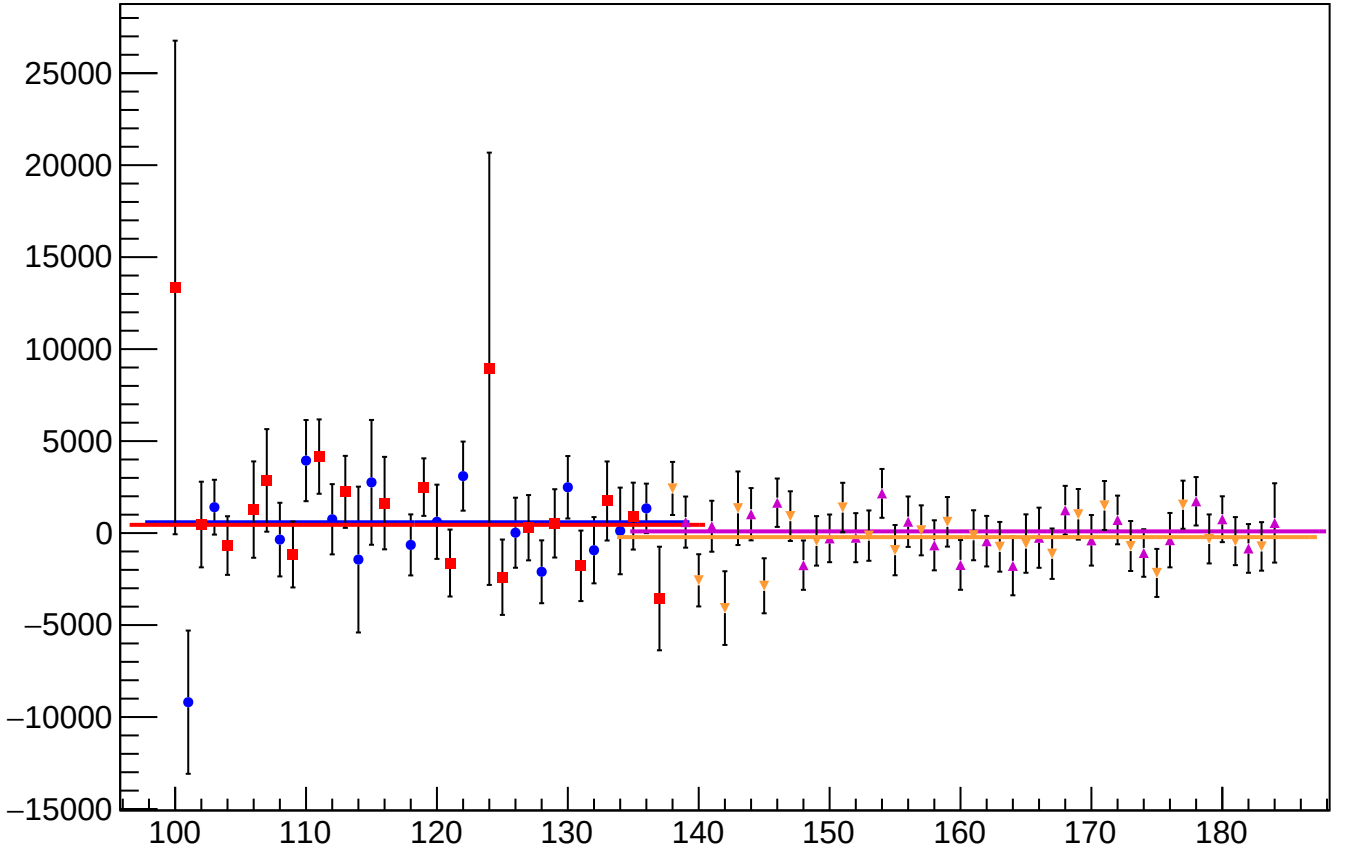
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 635.310+/-0.092 χ^2/NDF: 5049019.3/39

All: 633.288+/-0.065 χ^2/NDF: 9782139.1/81

- sign 631.254+/-0.093 χ^2/NDF: 4732158.7/41

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

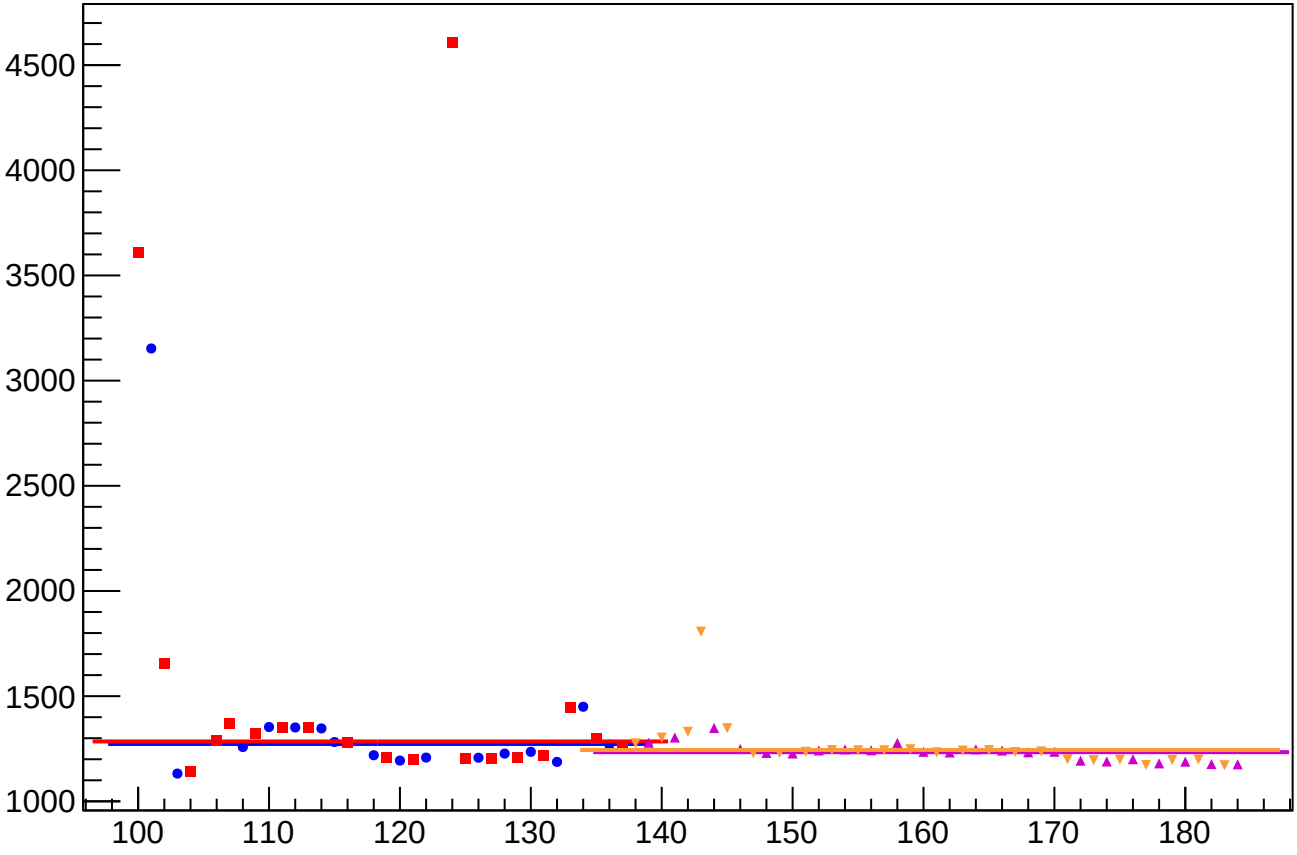
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -10.371+/-245.533 χ^2/NDF: 43.0/39

All: 87.324+/-174.231 χ^2/NDF: 75.3/81

\- sign 186.412+/-247.276 χ^2/NDF: 31.9/41

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

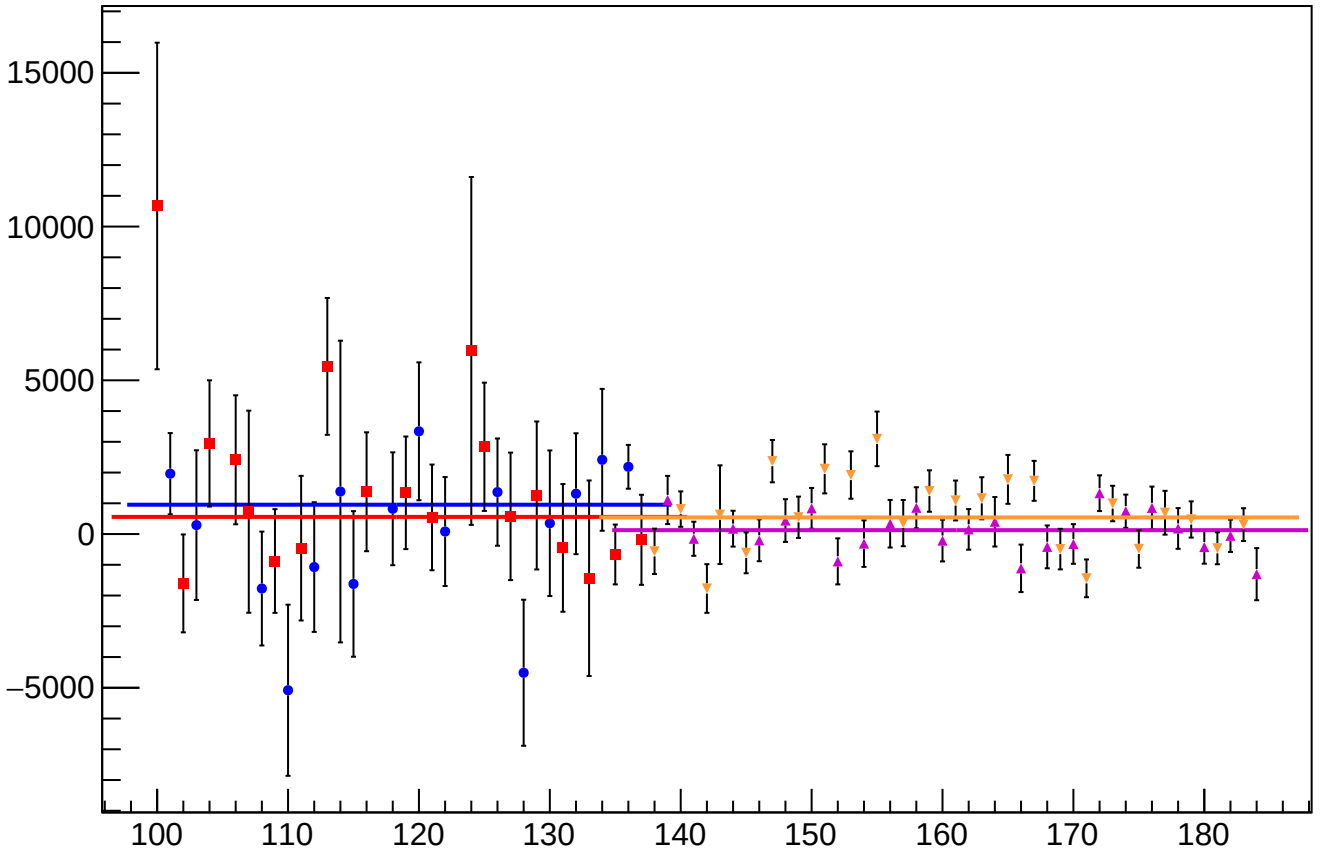
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.458+/-0.174 χ^2/NDF: 725673.9/39

All: 1249.337+/-0.123 χ^2/NDF: 1110455.1/81

- sign 1247.186+/-0.175 χ^2/NDF: 384480.7/41



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

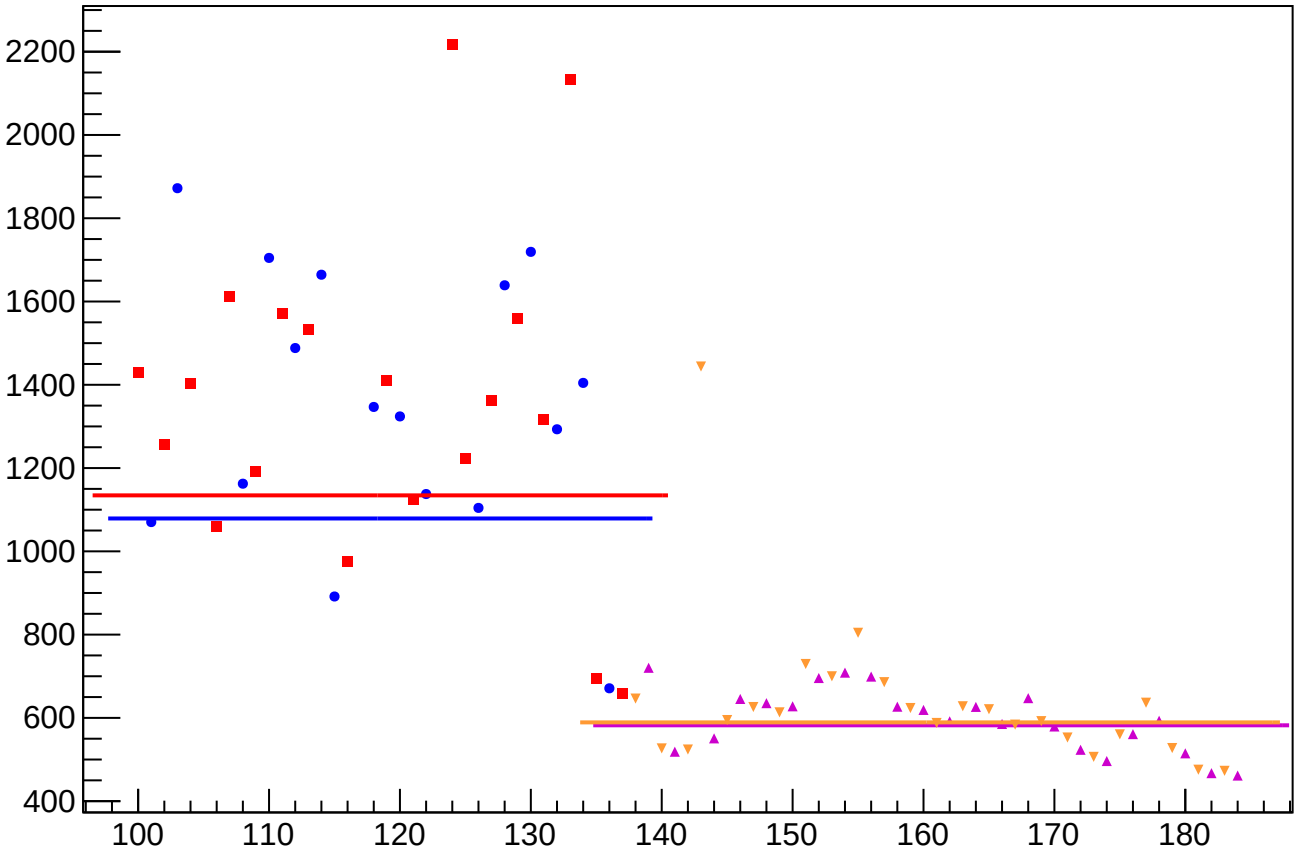
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 579.289+/-130.628 χ^2/NDF: 86.4/39

All: 372.670+/-92.519 χ^2/NDF: 132.2/81

- sign 164.690+/-131.057 χ^2/NDF: 40.8/41



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

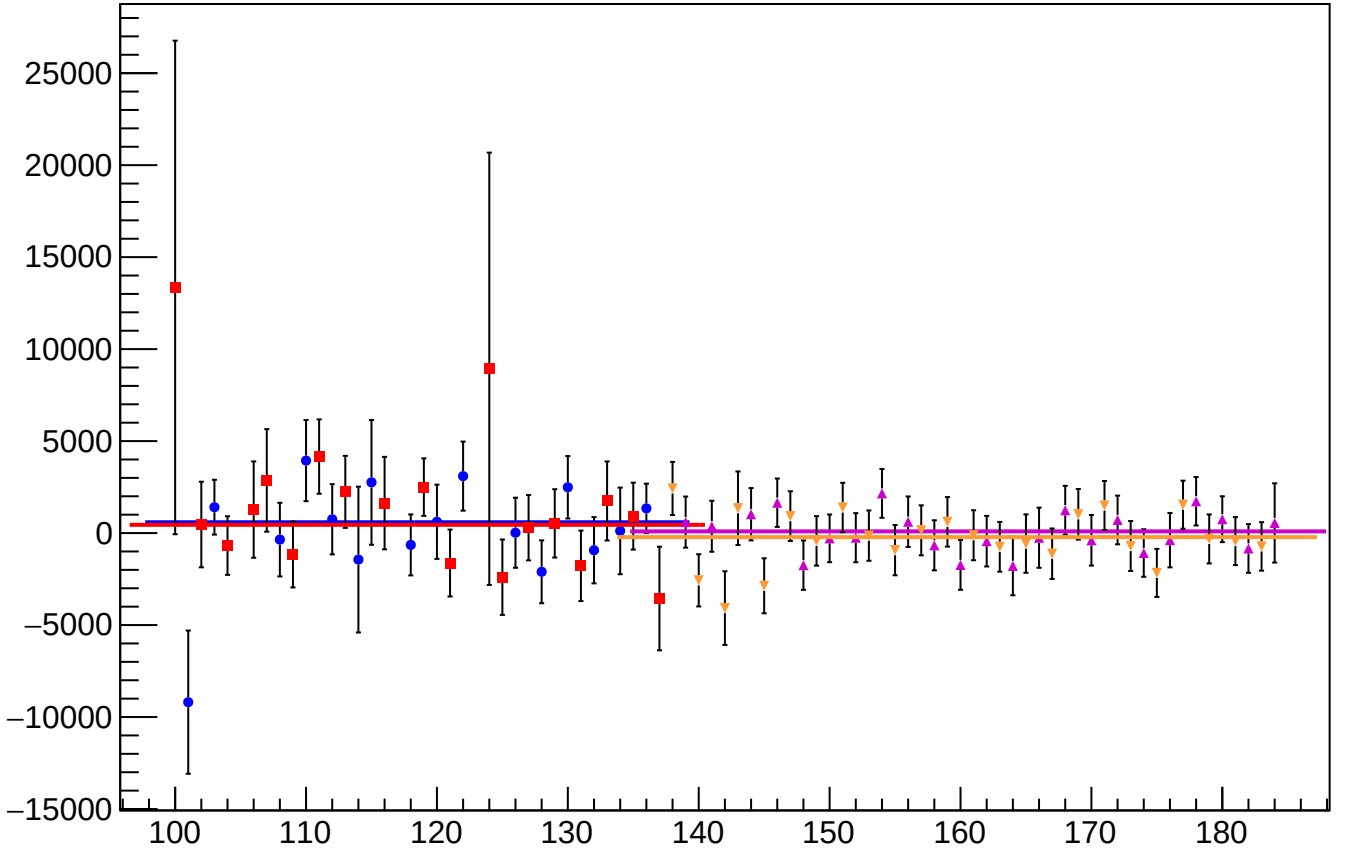
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 635.332+/-0.092 χ^2/NDF: 5045313.3/39

All: 633.180+/-0.065 χ^2/NDF: 9756641.0/81

- sign 631.014+/-0.093 χ^2/NDF: 4710238.7/41

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

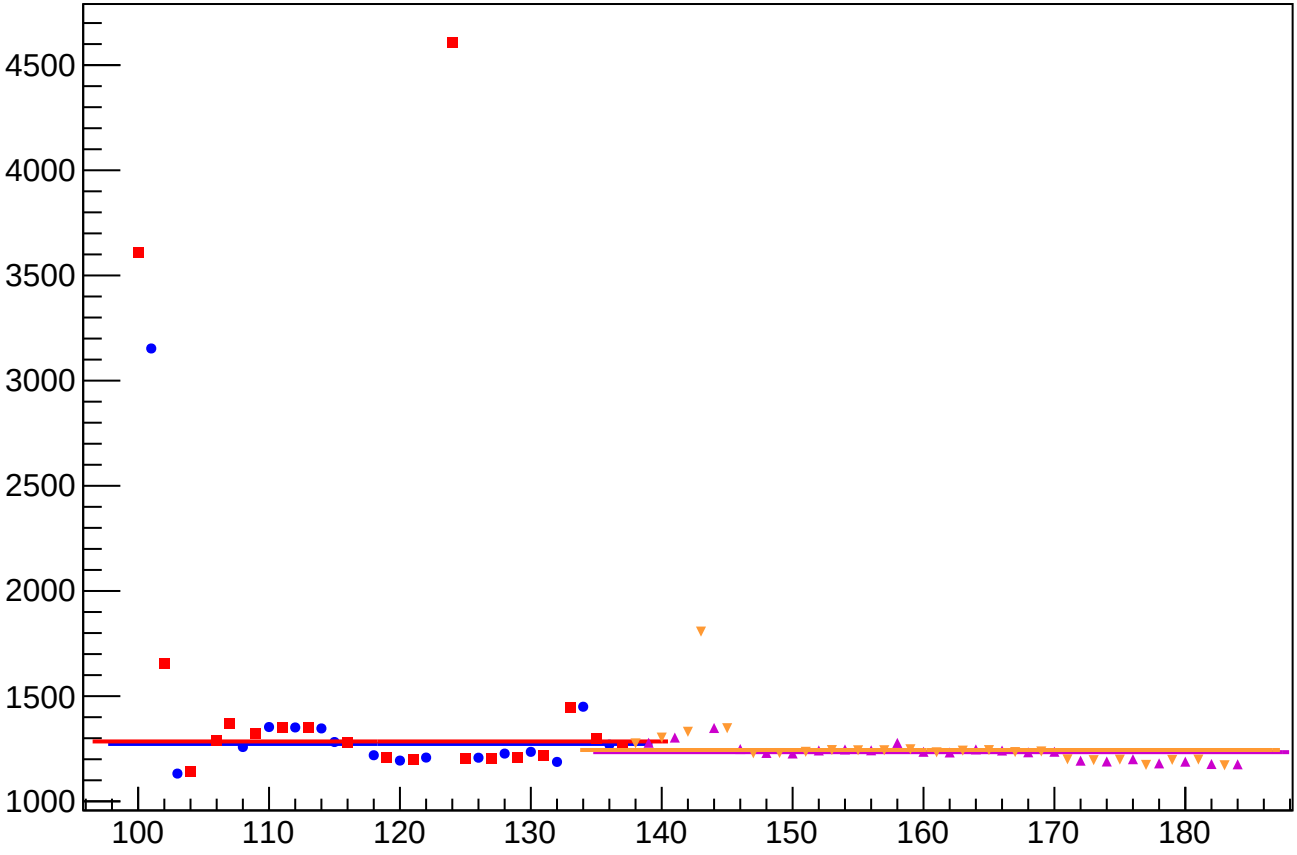
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -10.371+/-245.533 χ^2/NDF: 43.0/39

All: 87.324+/-174.231 χ^2/NDF: 75.3/81

- sign 186.412+/-247.276 χ^2/NDF: 31.9/41

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

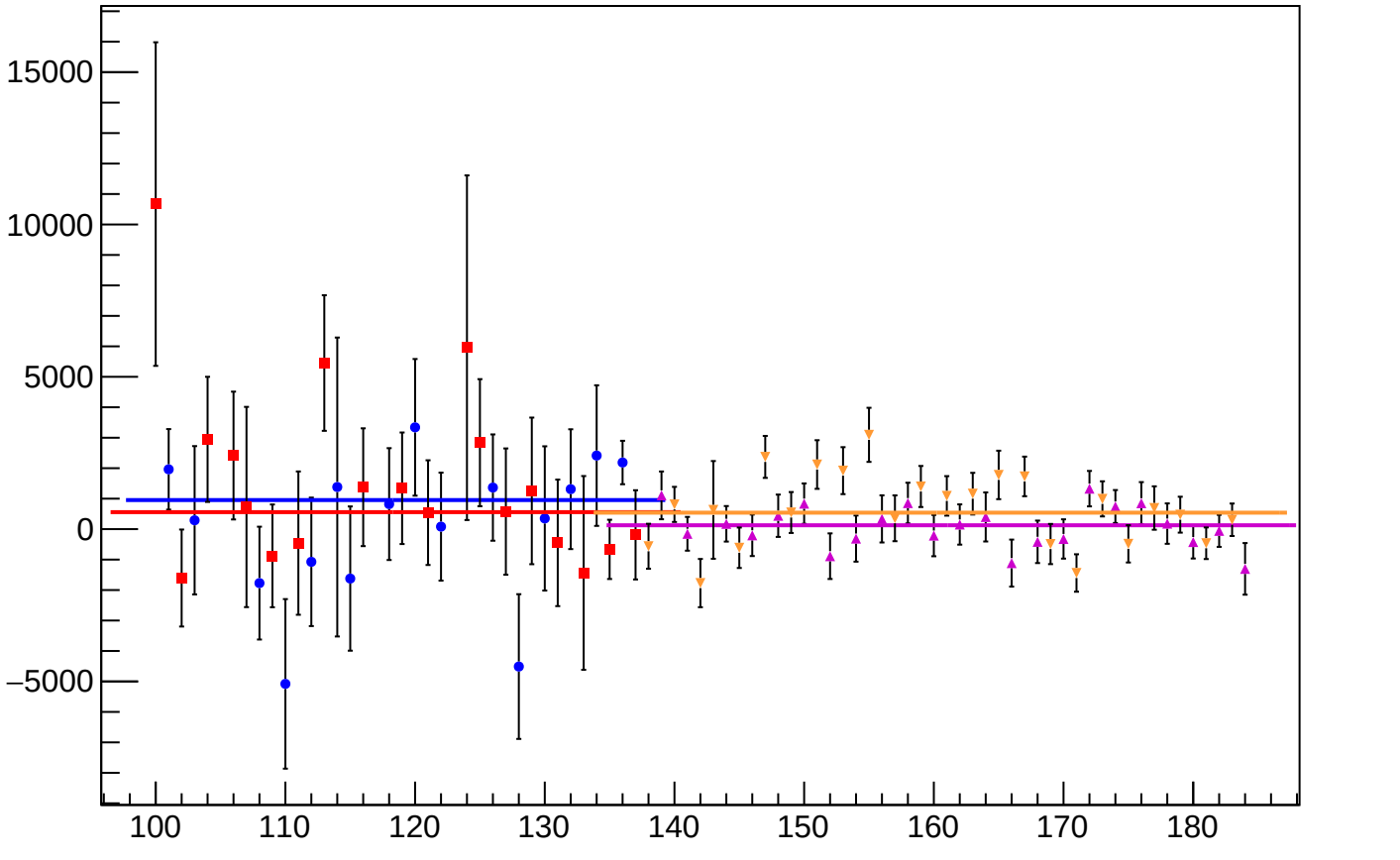
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.458+/-0.174 χ^2/NDF: 725673.9/39

All: 1249.337+/-0.123 χ^2/NDF: 1110455.1/81

- sign 1247.186+/-0.175 χ^2/NDF: 384480.7/41



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

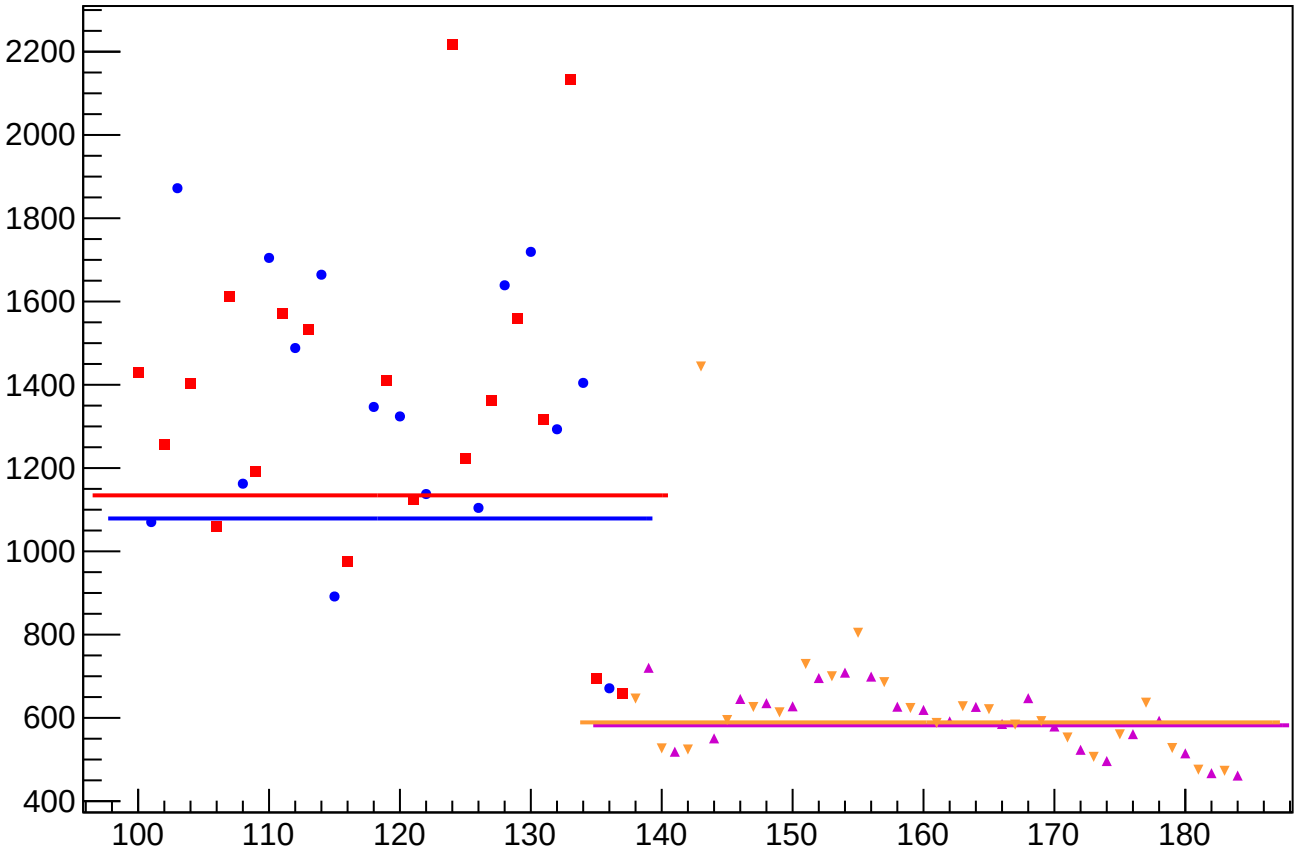
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 579.289+/-130.628 χ^2/NDF: 86.4/39

All: 372.670+/-92.519 χ^2/NDF: 132.2/81

- sign 164.690+/-131.057 χ^2/NDF: 40.8/41



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

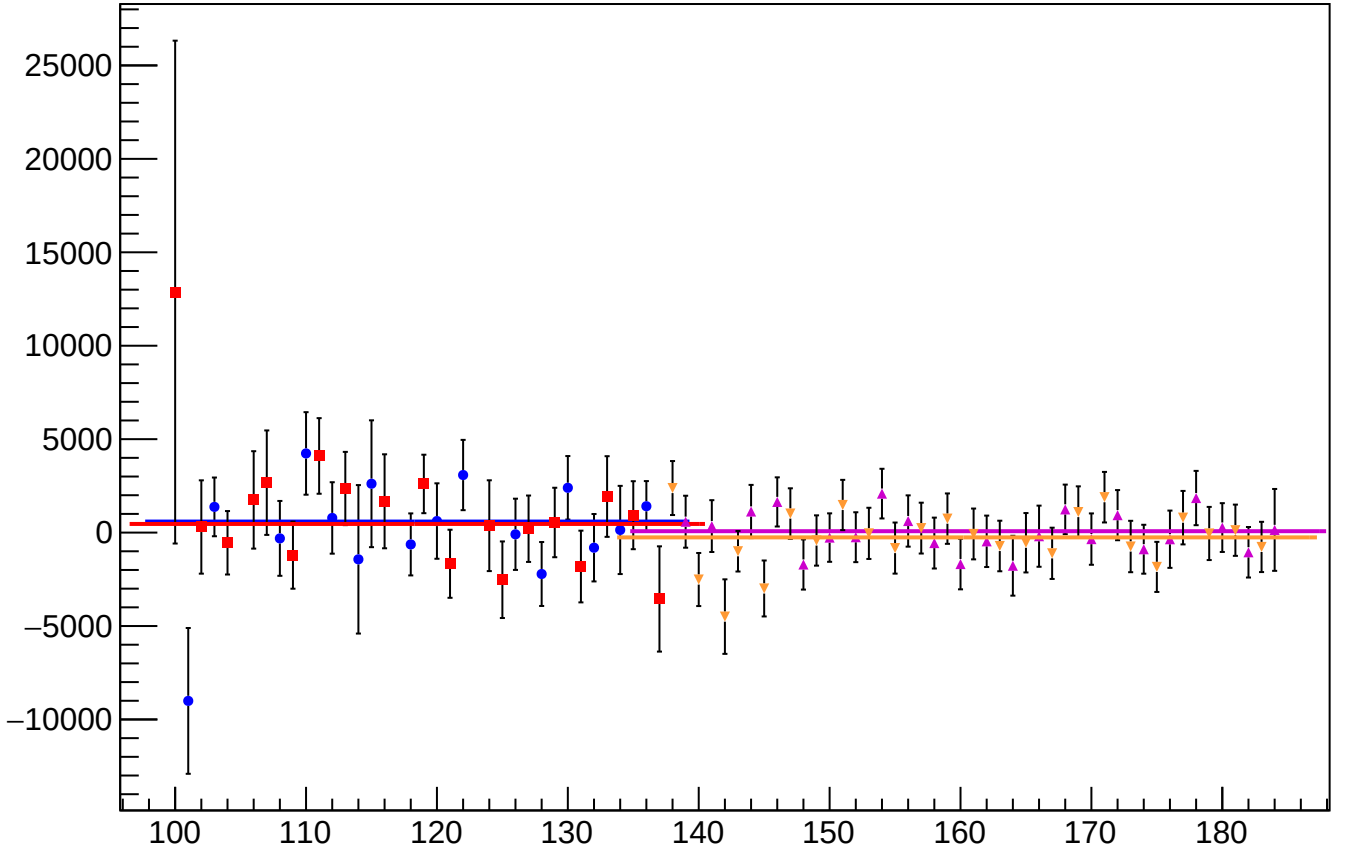
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 635.332+/-0.092 χ^2/NDF: 5045313.3/39

All: 633.180+/-0.065 χ^2/NDF: 9756641.0/81

- sign 631.014+/-0.093 χ^2/NDF: 4710238.7/41

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -256.613+/-281.964 χ^2/NDF:24.0/23

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

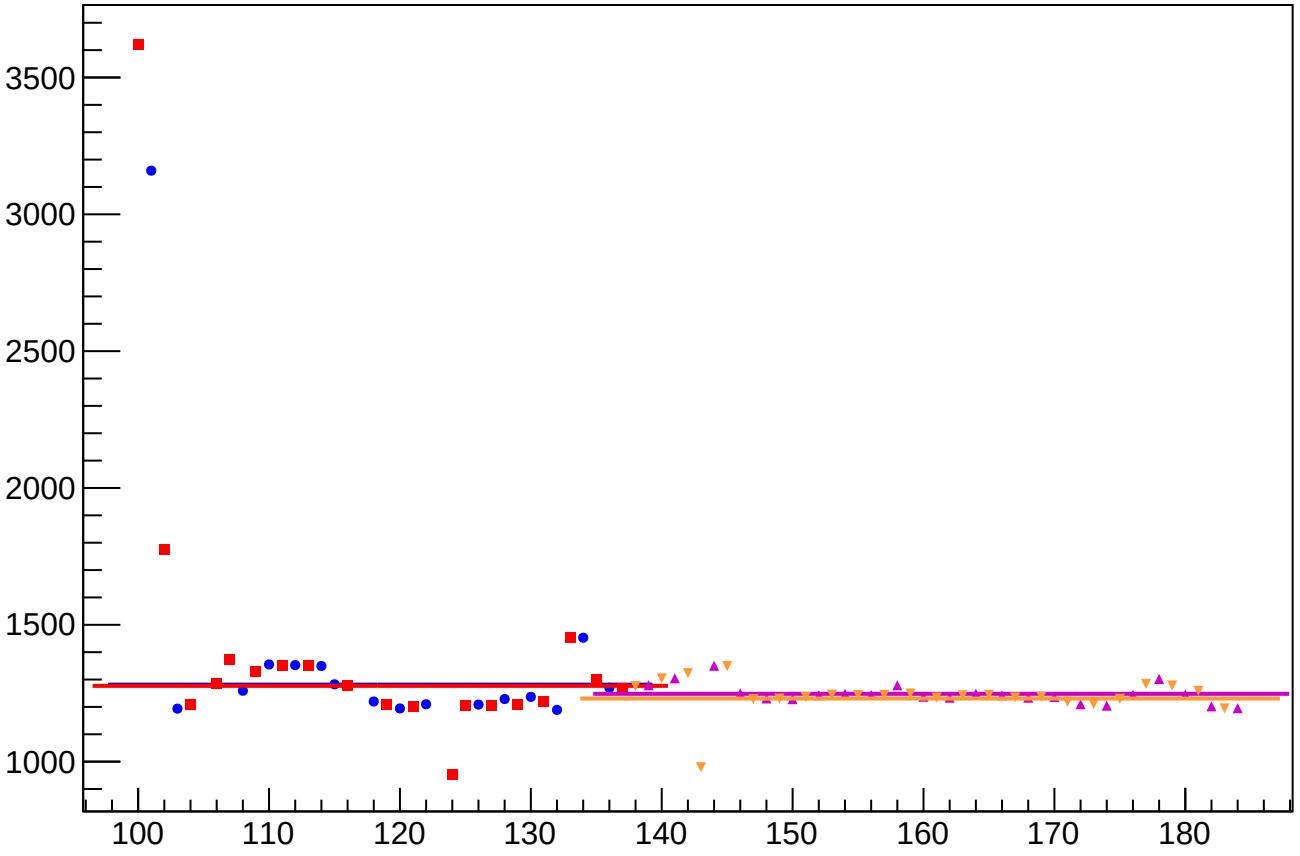
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -42.987+/-243.824 χ^2/NDF: 43.4/39

All: 66.482+/-174.100 χ^2/NDF: 75.0/81

- sign 180.351+/-248.676 χ^2/NDF: 31.2/41

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

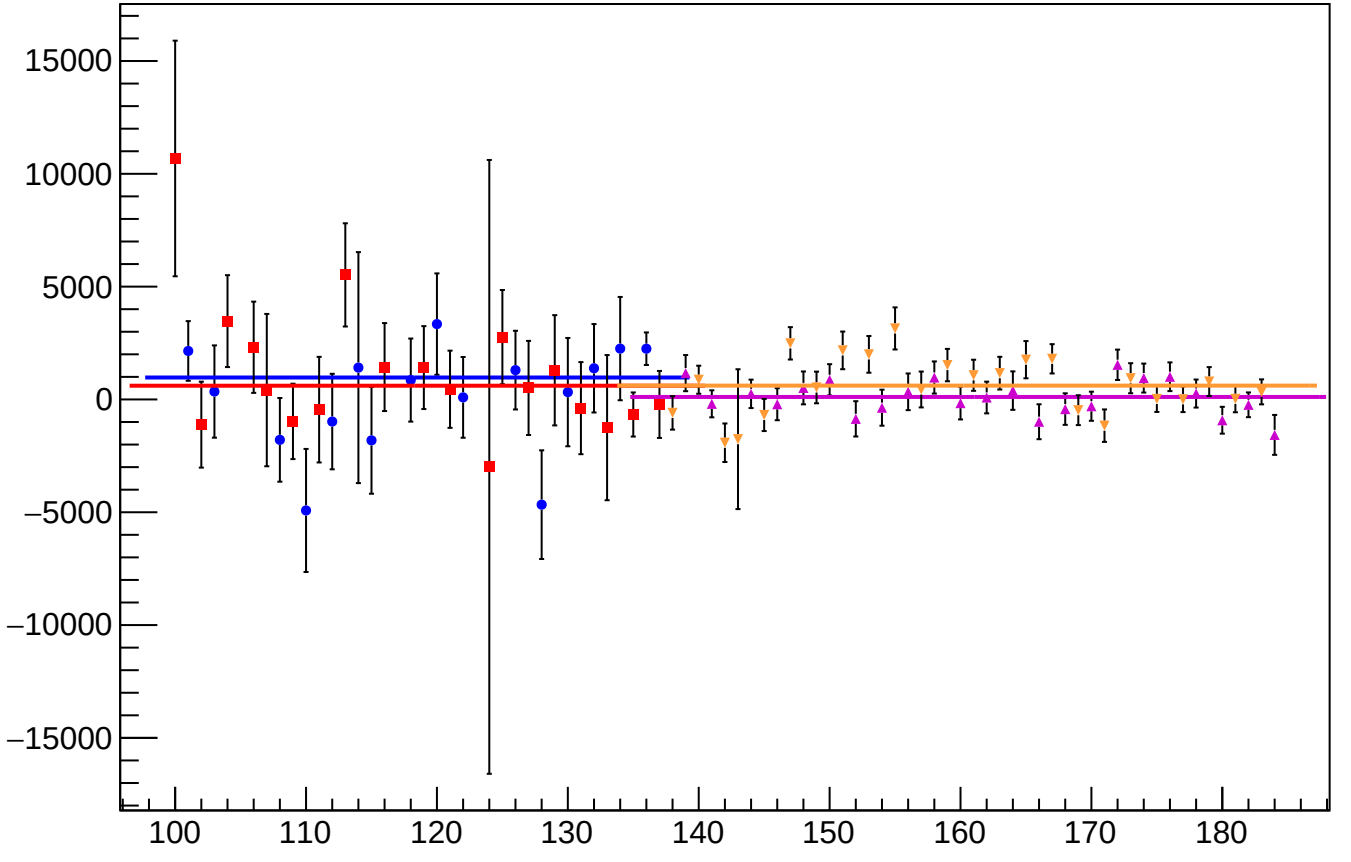
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

\+ sign 1243.417+/-0.172 χ^2/NDF: 664342.8/39

All: 1249.434+/-0.123 χ^2/NDF: 920096.9/81

\- sign 1255.694+/-0.176 χ^2/NDF: 253268.5/41

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.744 χ^2/NDF:56.6/23

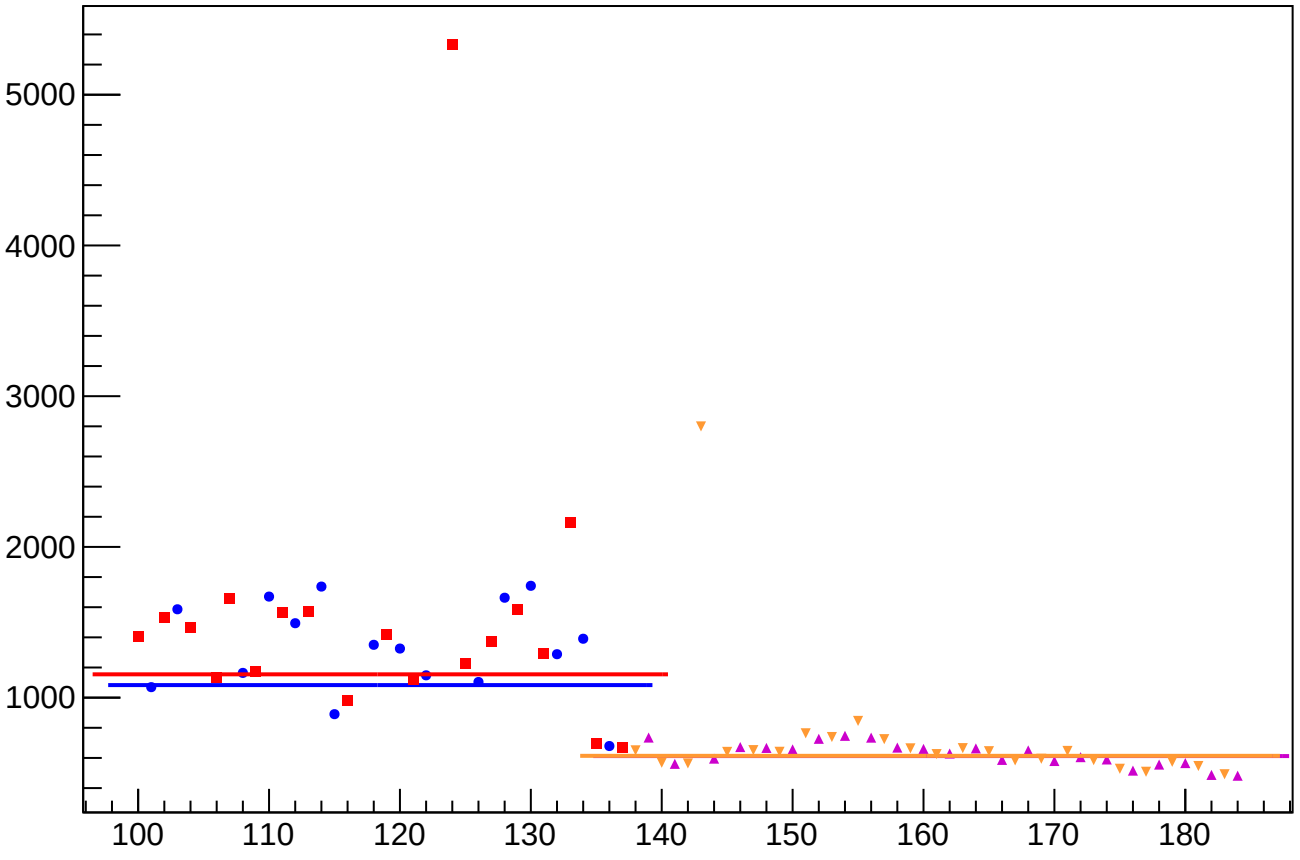
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 649.680+/-136.173 χ^2/NDF: 77.7/39

All: 405.387+/-96.680 χ^2/NDF: 128.2/81

- sign 157.089+/-137.285 χ^2/NDF: 44.0/41



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582623.8/23

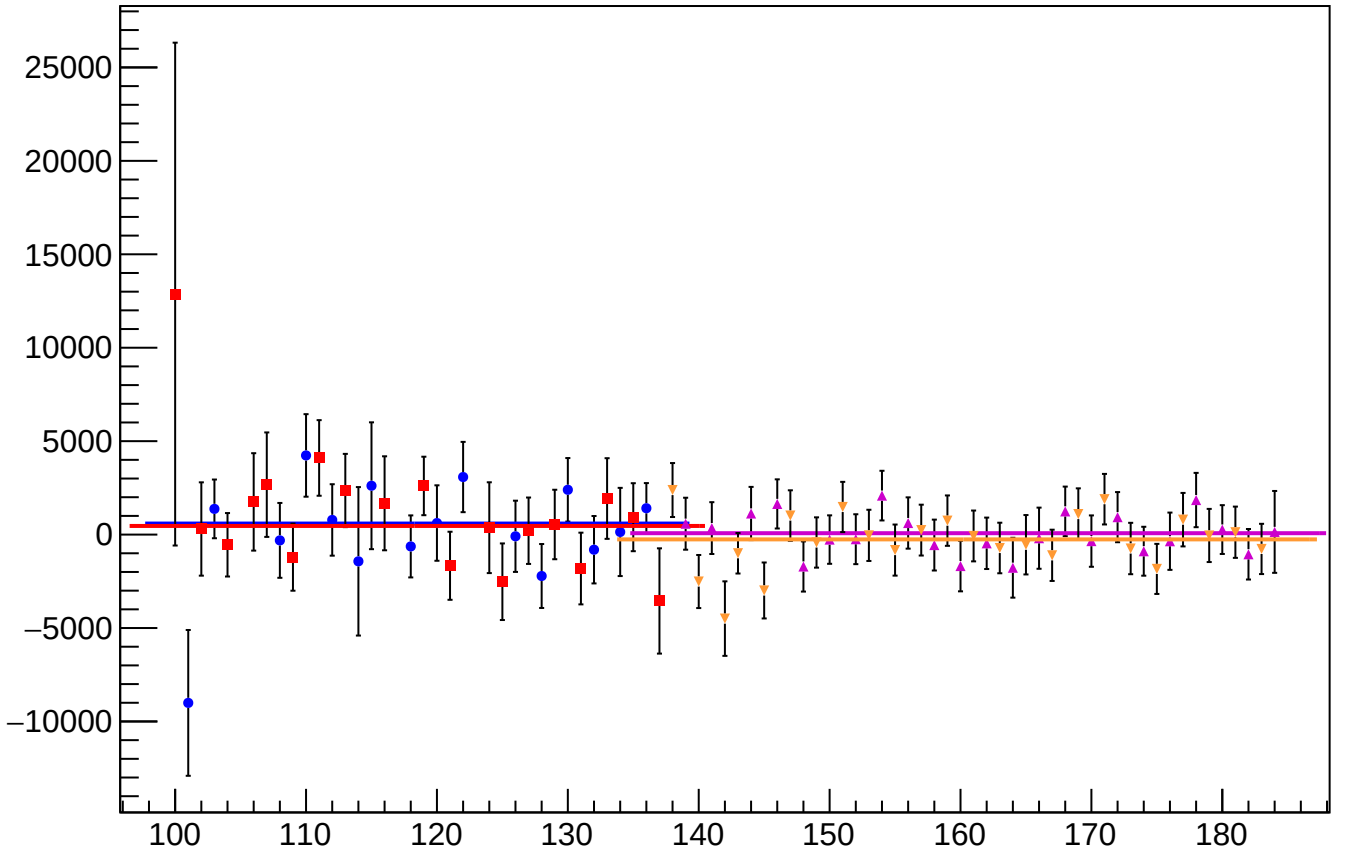
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

\+ sign 662.129+/-0.096 χ^2/NDF: 5129462.8/39

All: 662.753+/-0.068 χ^2/NDF: 9784906.1/81

\- sign 663.387+/-0.097 χ^2/NDF: 4655358.7/41



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

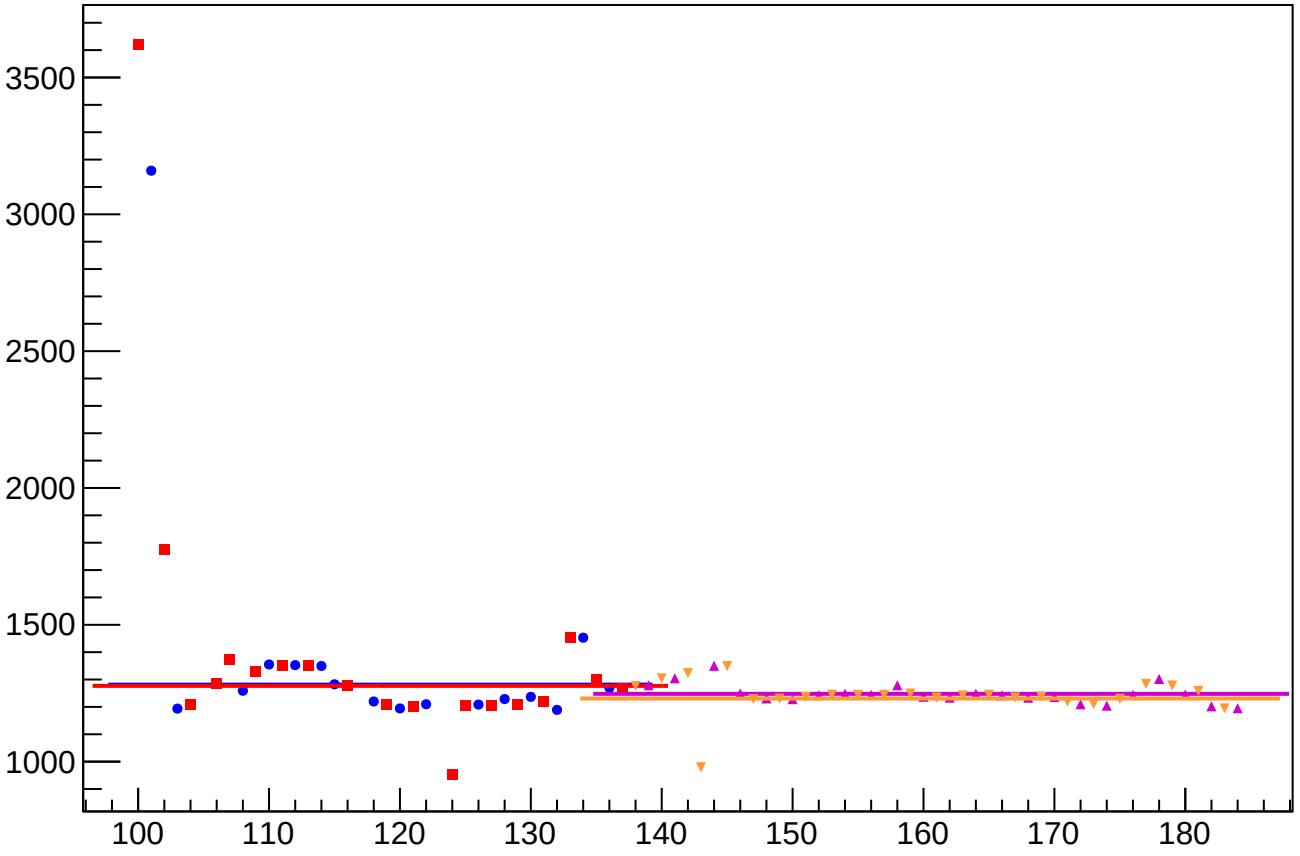
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -42.987+/-243.824 χ^2/NDF: 43.4/39

All: 66.481+/-174.100 χ^2/NDF: 75.0/81

- sign 180.351+/-248.676 χ^2/NDF: 31.2/41

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

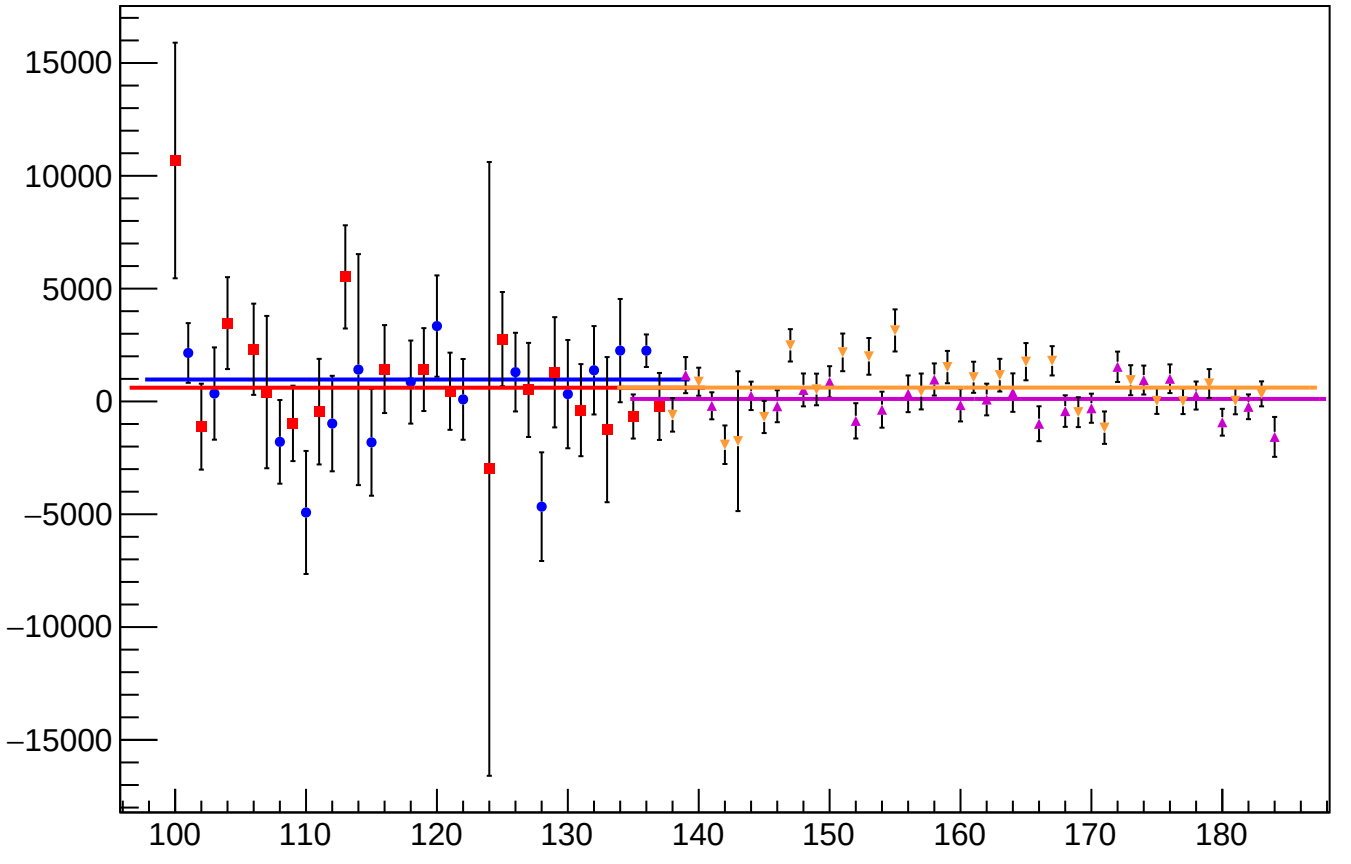
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1243.416+/-0.172 χ^2/NDF: 664342.0/39

All: 1249.434+/-0.123 χ^2/NDF: 920095.9/81

- sign 1255.694+/-0.176 χ^2/NDF: 253268.3/41



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.743 χ^2/NDF:56.6/23

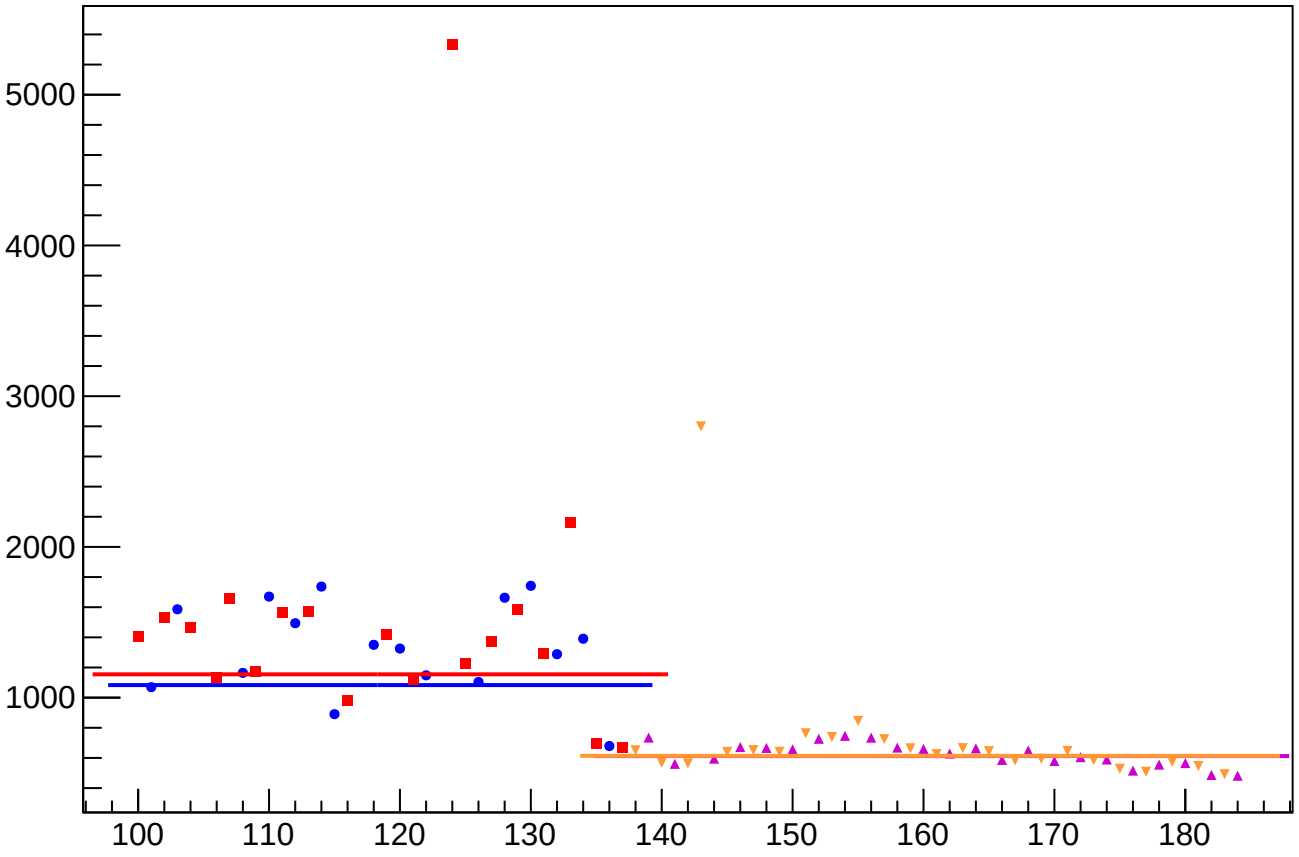
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 649.680+/-136.173 χ^2/NDF: 77.7/39

All: 405.386+/-96.680 χ^2/NDF: 128.2/81

- sign 157.089+/-137.285 χ^2/NDF: 44.0/41



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582621.3/23

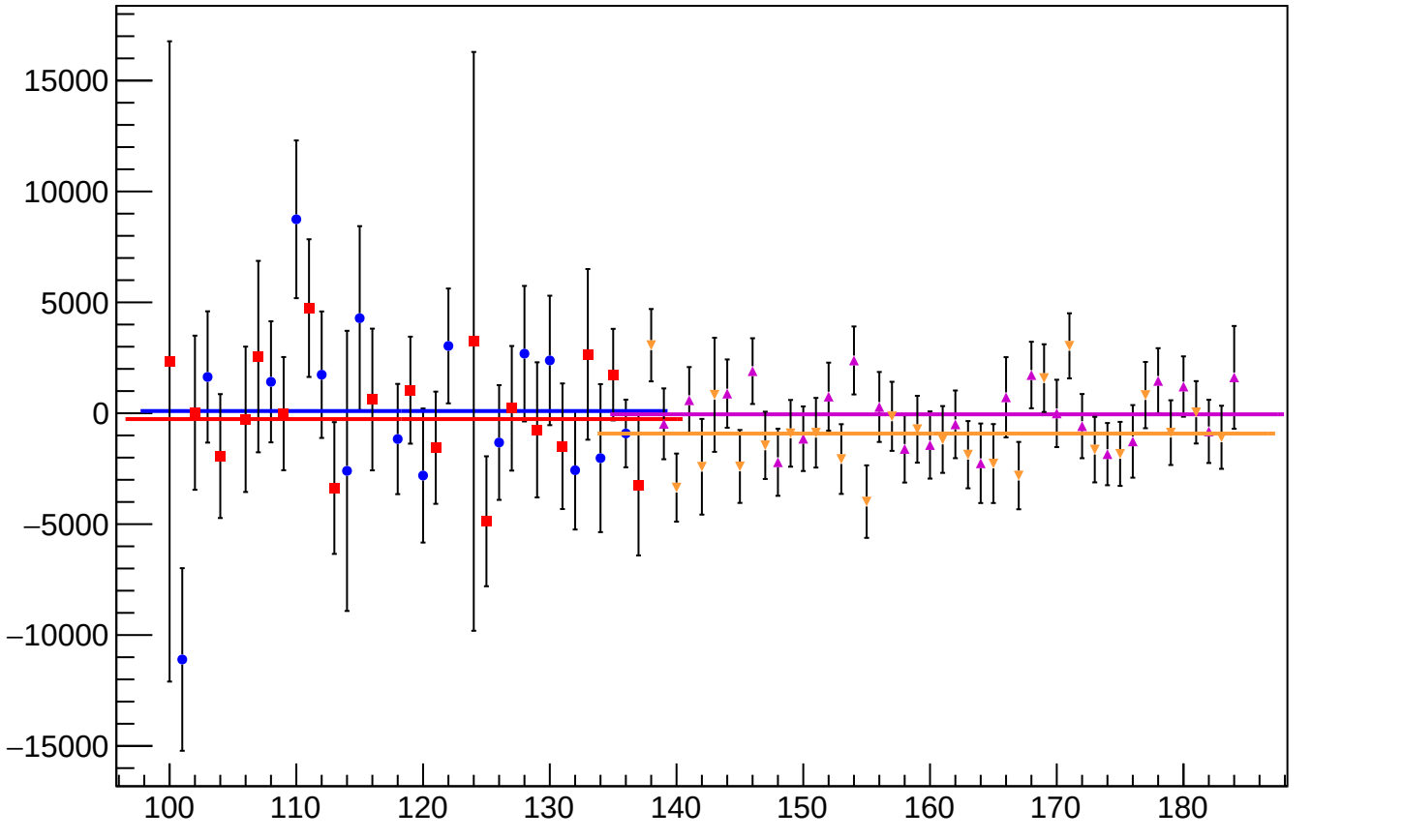
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 662.129+/-0.096 χ^2/NDF: 5129450.4/39

All: 662.752+/-0.068 χ^2/NDF: 9784901.0/81

- sign 663.386+/-0.097 χ^2/NDF: 4655366.1/41



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

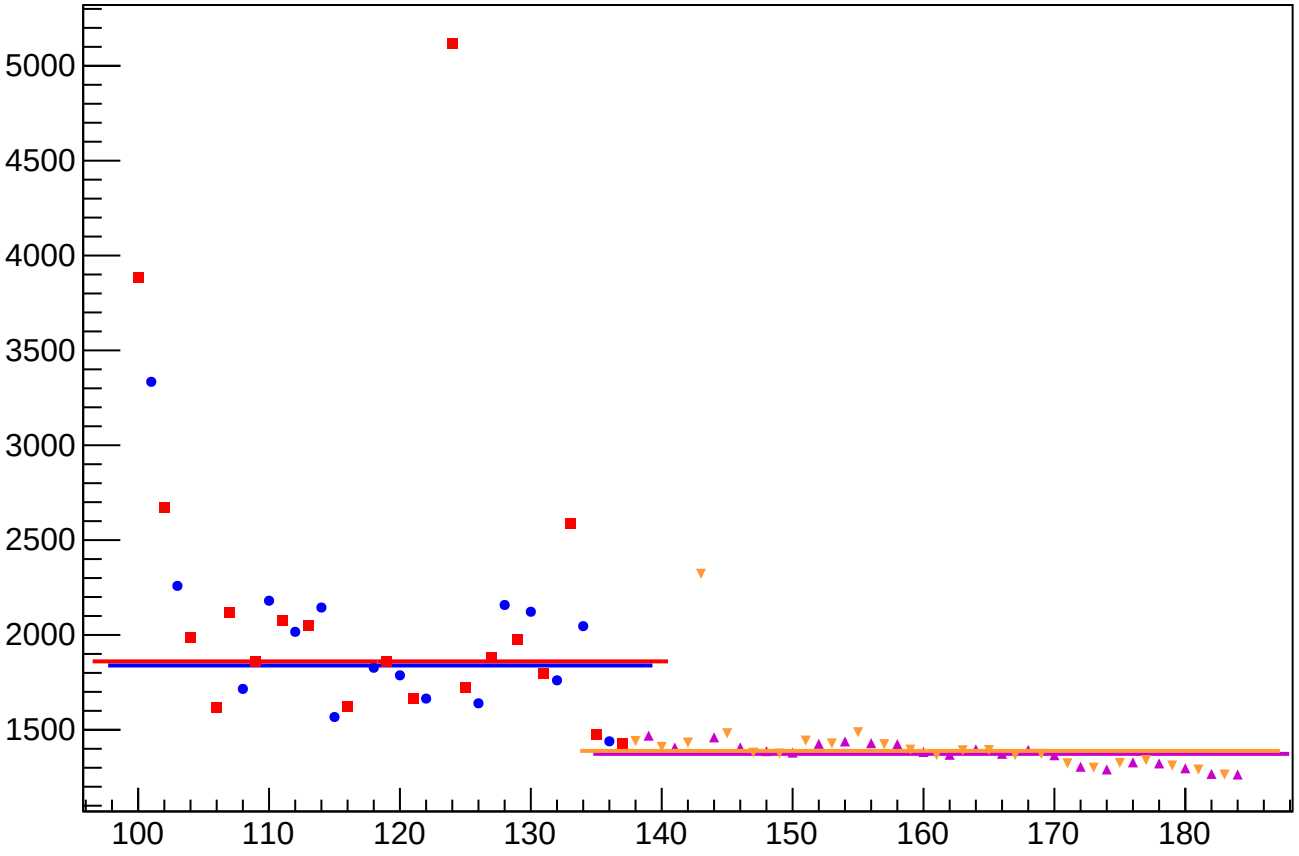
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -740.971+/-290.264 χ^2/NDF: 52.7/39

All: -414.848+/-205.757 χ^2/NDF: 83.5/81

- sign -85.467+/-291.710 χ^2/NDF: 28.3/41

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

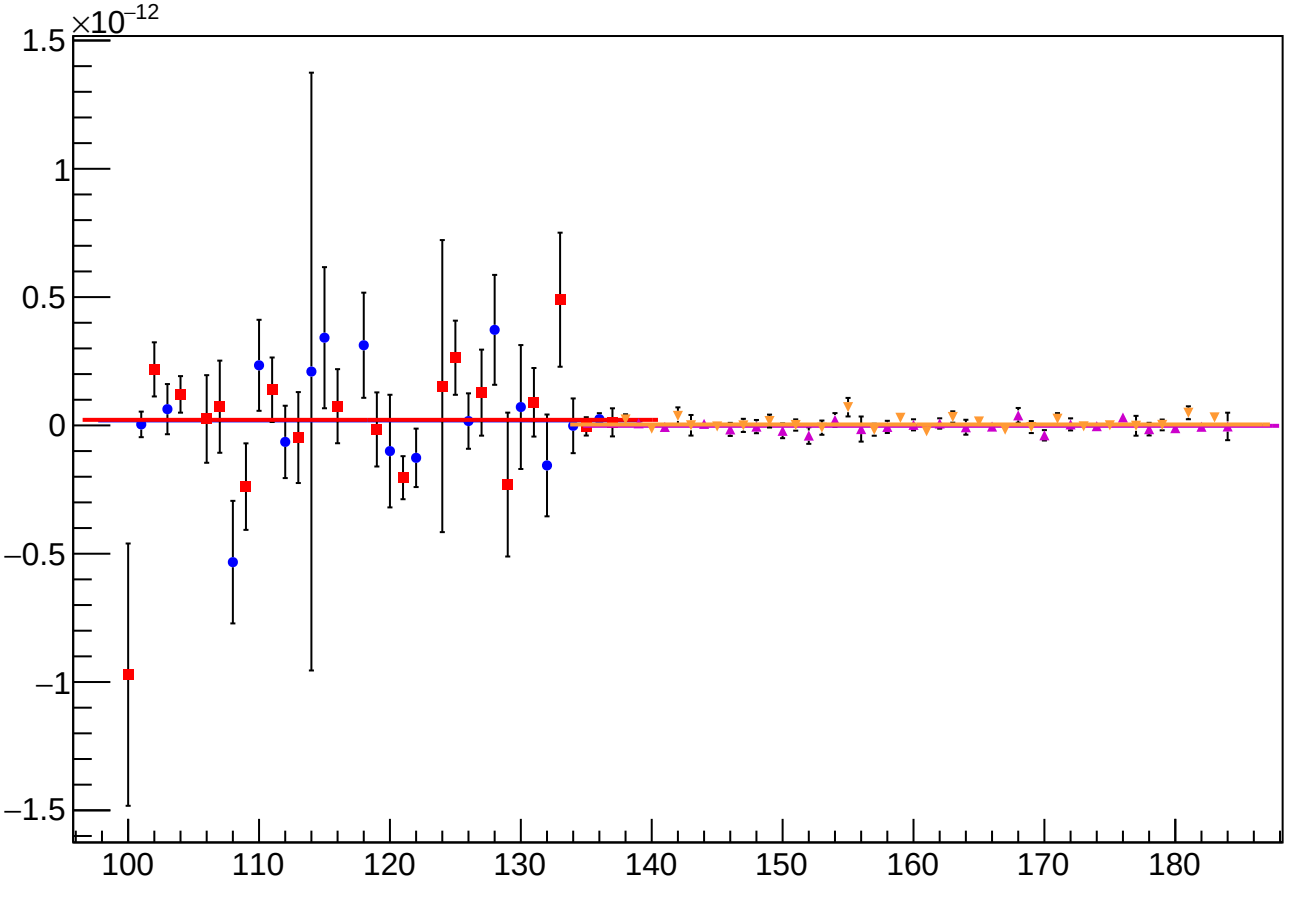
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1466.606+/-0.205 χ^2/NDF: 1577437.0/39

All: 1462.300+/-0.145 χ^2/NDF: 2967108.0/81

- sign 1457.952+/-0.206 χ^2/NDF: 1388786.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/23

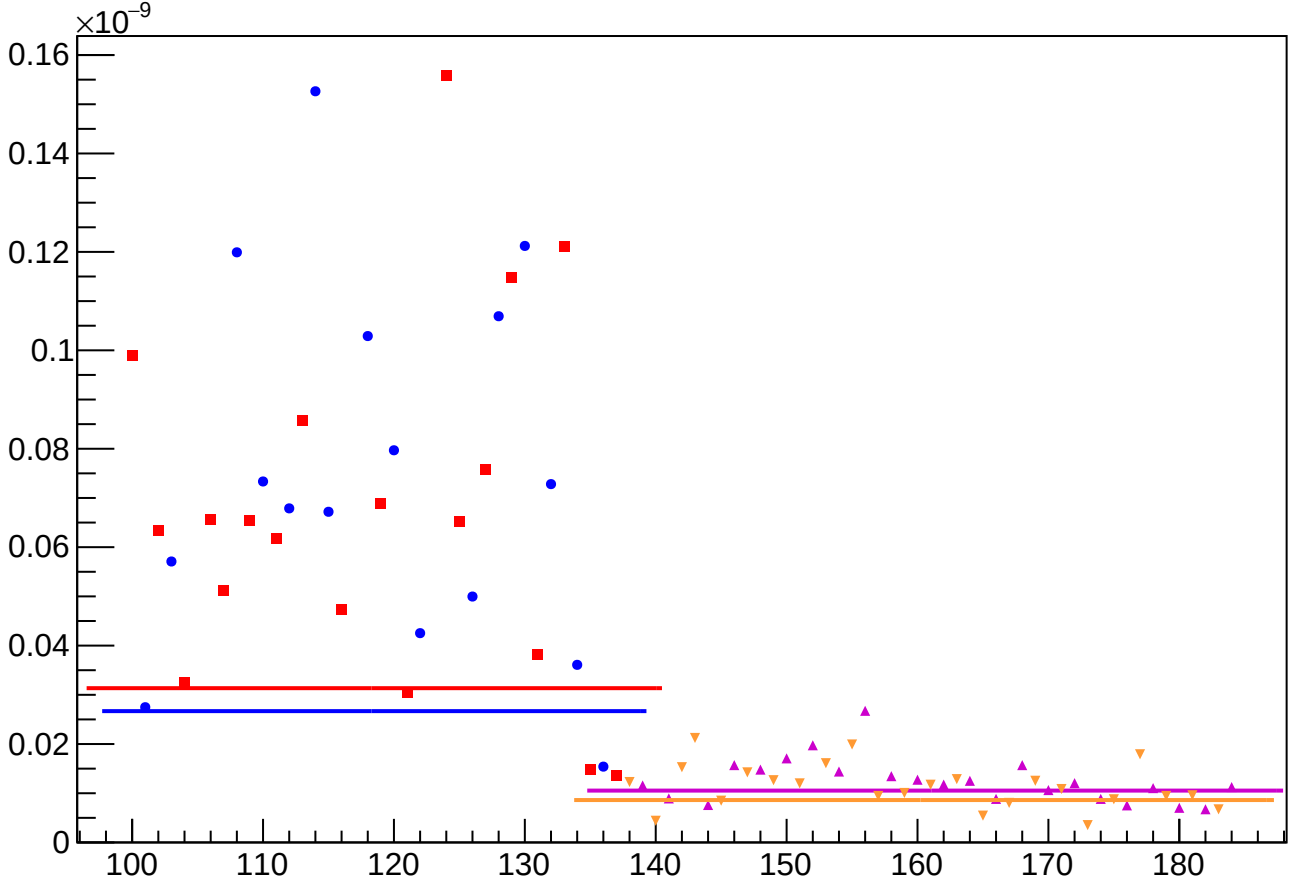
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/39

All: 0.000+/-0.000 χ^2/NDF: 85.4/81

- sign -0.000+/-0.000 χ^2/NDF: 42.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2142721.5/23

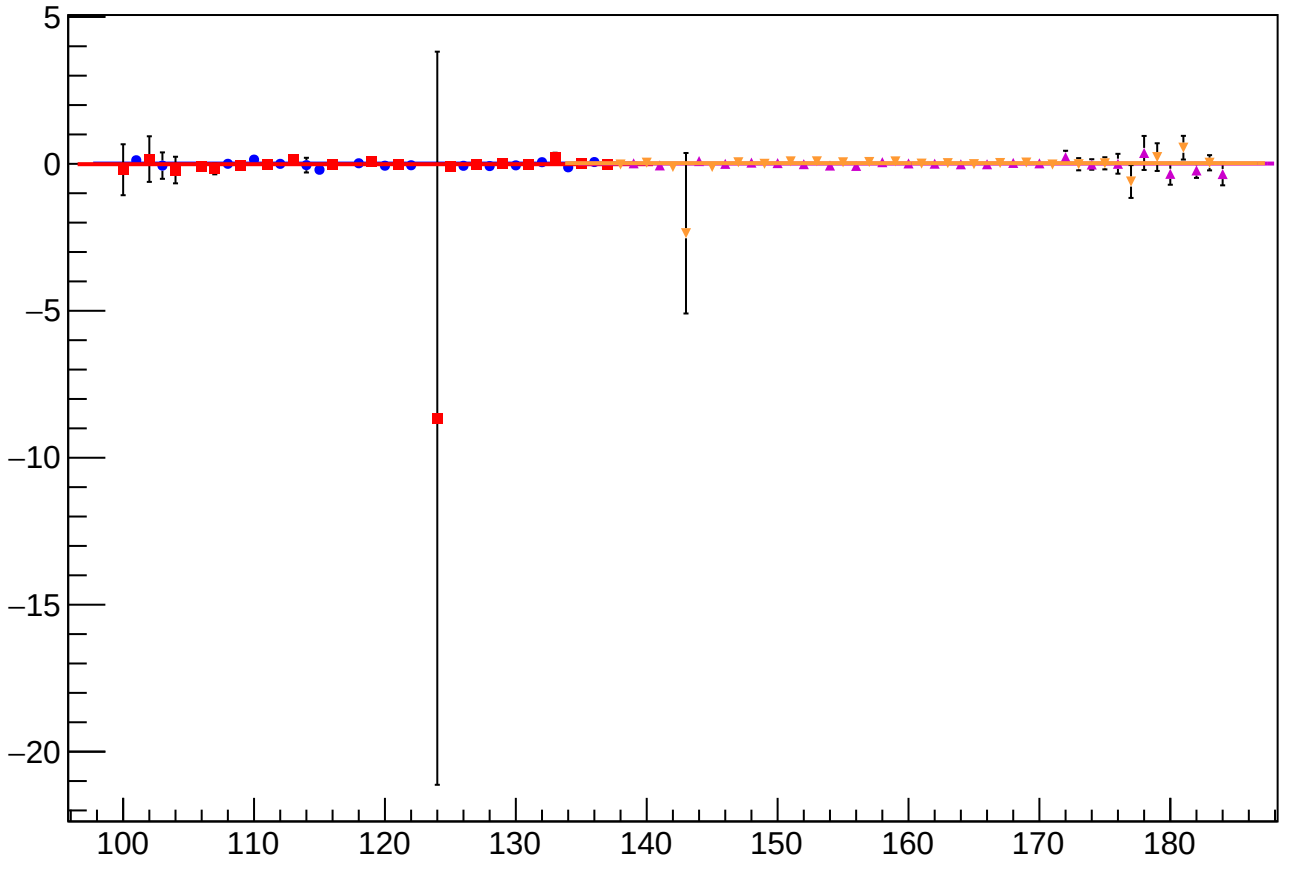
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6496825.4/39

All: 0.000+/-0.000 χ^2/NDF: 11924030.5/81

- sign 0.000+/-0.000 χ^2/NDF: 5184868.6/41



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

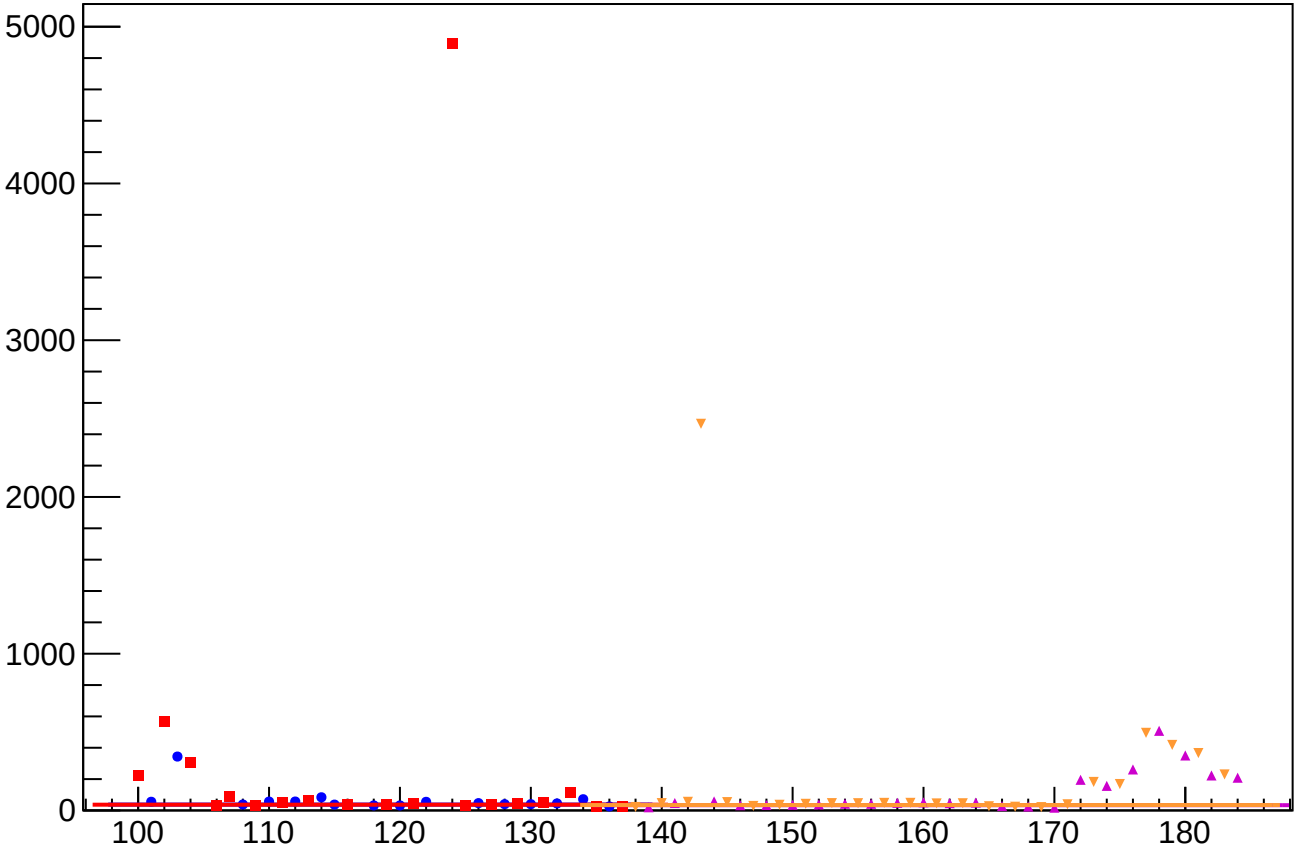
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 71.4/81

- sign 0.004+/-0.009 χ^2/NDF: 28.7/41

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

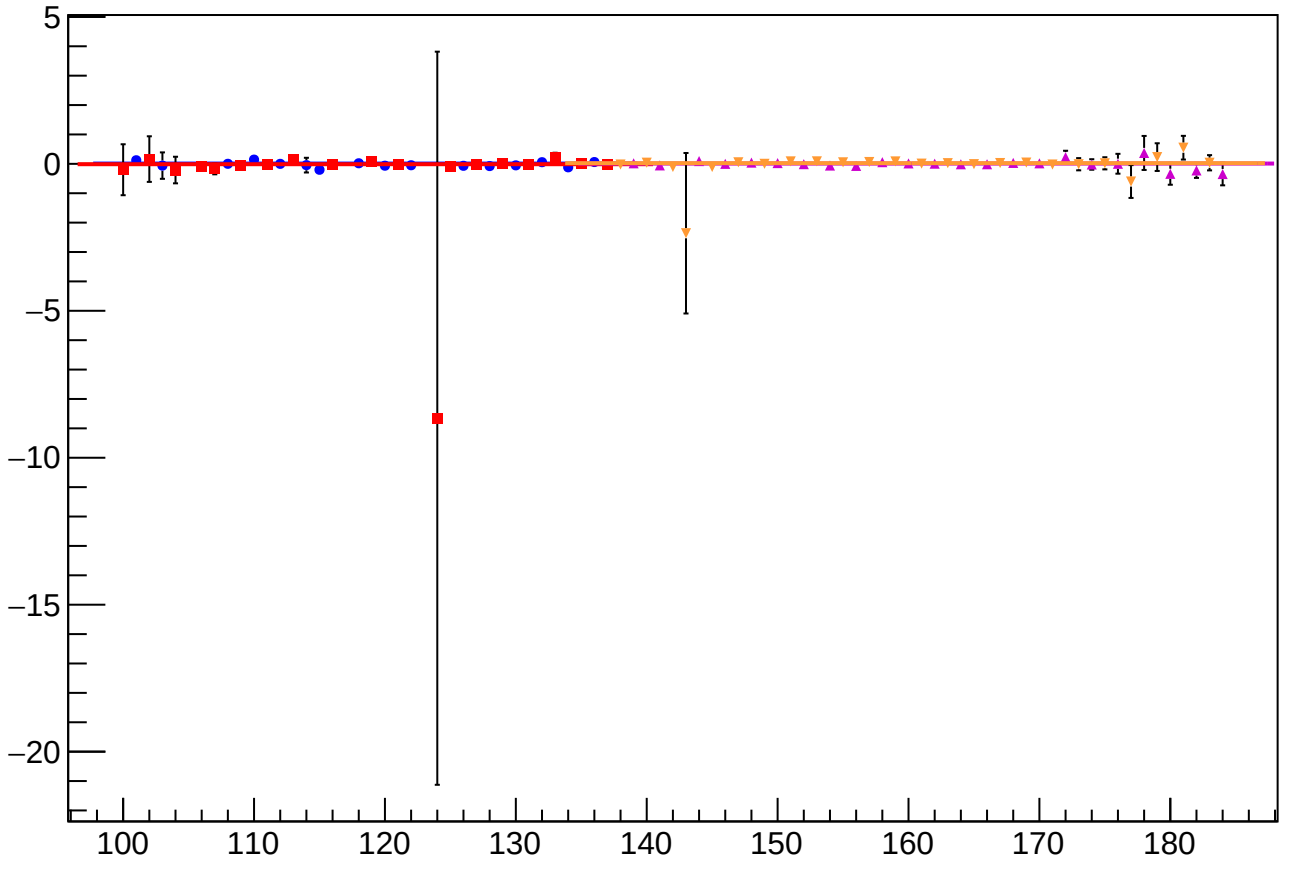
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.373+/-0.006 χ^2/NDF: 13072101.2/39

All: 34.896+/-0.004 χ^2/NDF: 26396151.3/81

\- sign 34.429+/-0.006 χ^2/NDF: 13311924.2/41



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

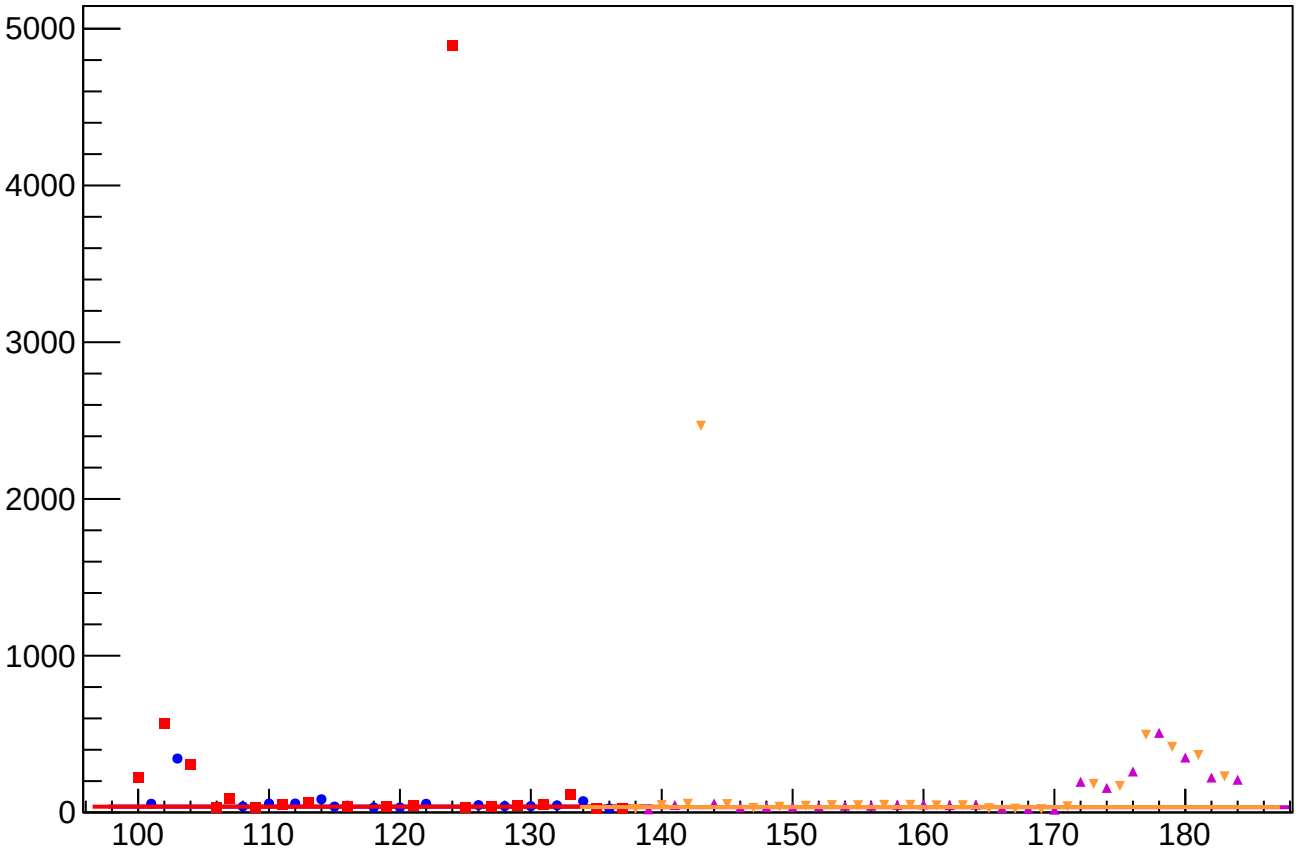
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 71.4/81

- sign 0.004+/-0.009 χ^2/NDF: 28.7/41



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.518+/-0.007 χ^2/NDF:11039981.4/23

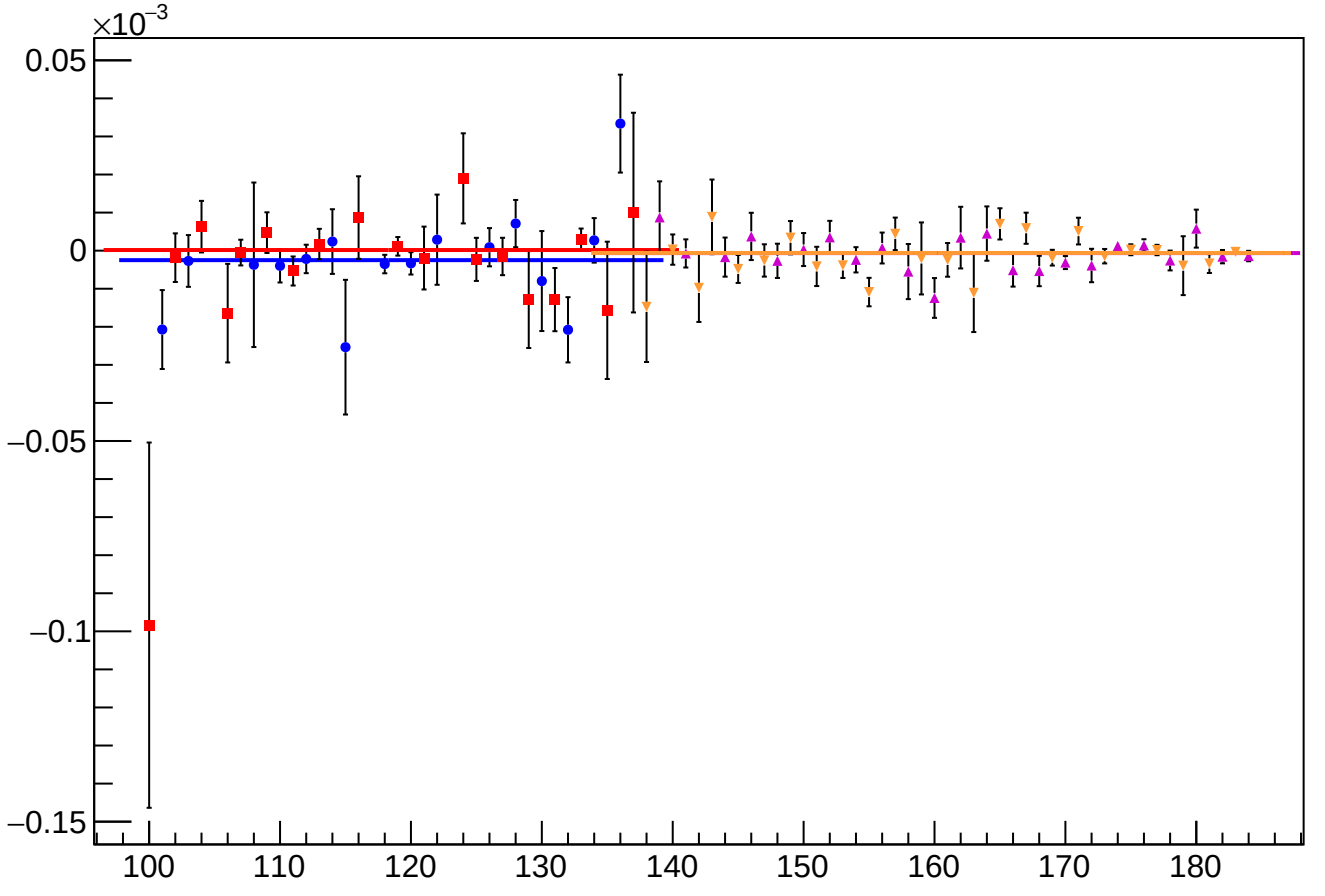
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.373+/-0.006 χ^2/NDF: 13072101.2/39

All: 34.896+/-0.004 χ^2/NDF: 26396151.3/81

\- sign 34.429+/-0.006 χ^2/NDF: 13311924.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/23

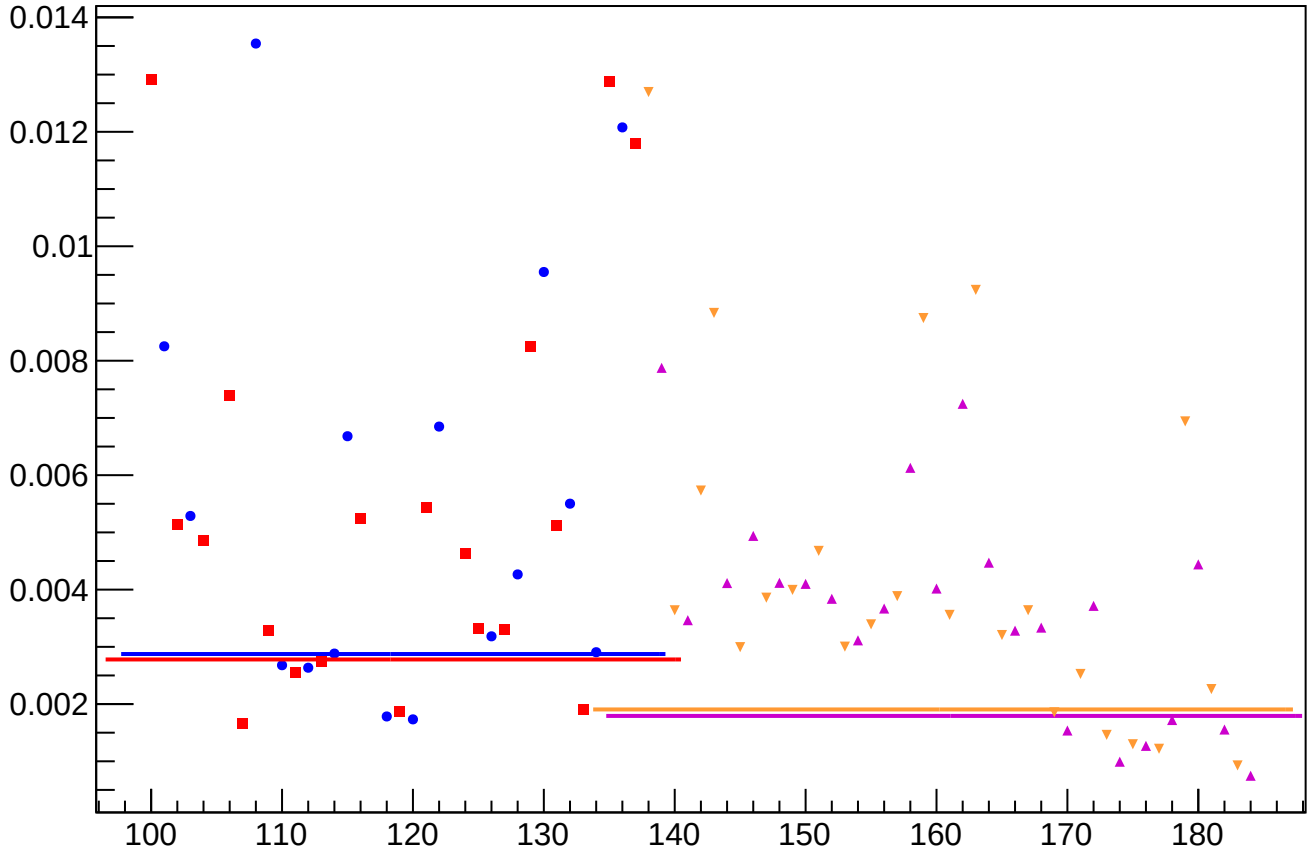
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/39

All: -0.000+/-0.000 χ^2/NDF: 93.5/81

- sign -0.000+/-0.000 χ^2/NDF: 41.2/41



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:11849002.0/23

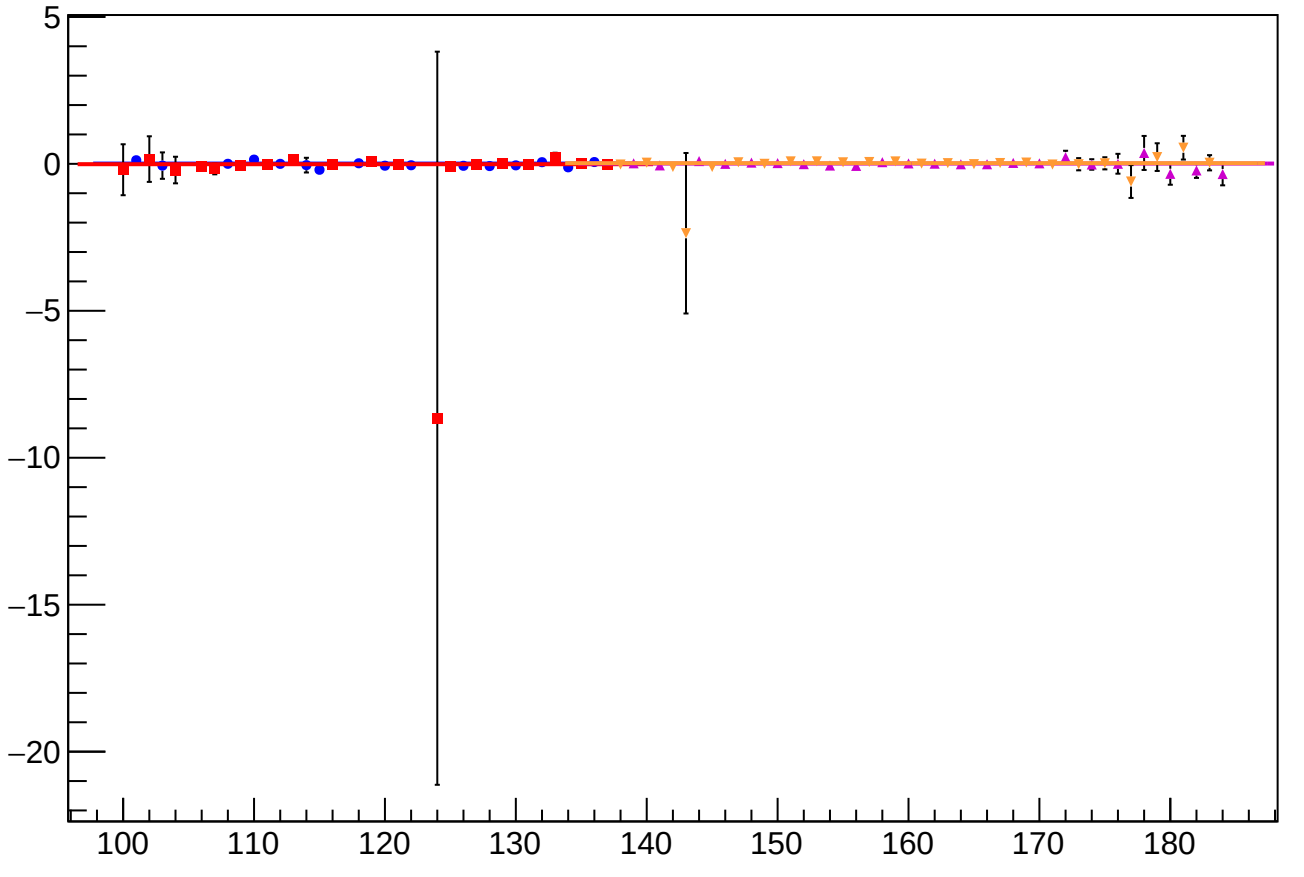
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 16937766.6/39

All: 0.002+/-0.000 χ^2/NDF: 32205381.7/81

- sign 0.002+/-0.000 χ^2/NDF: 15240388.7/41



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

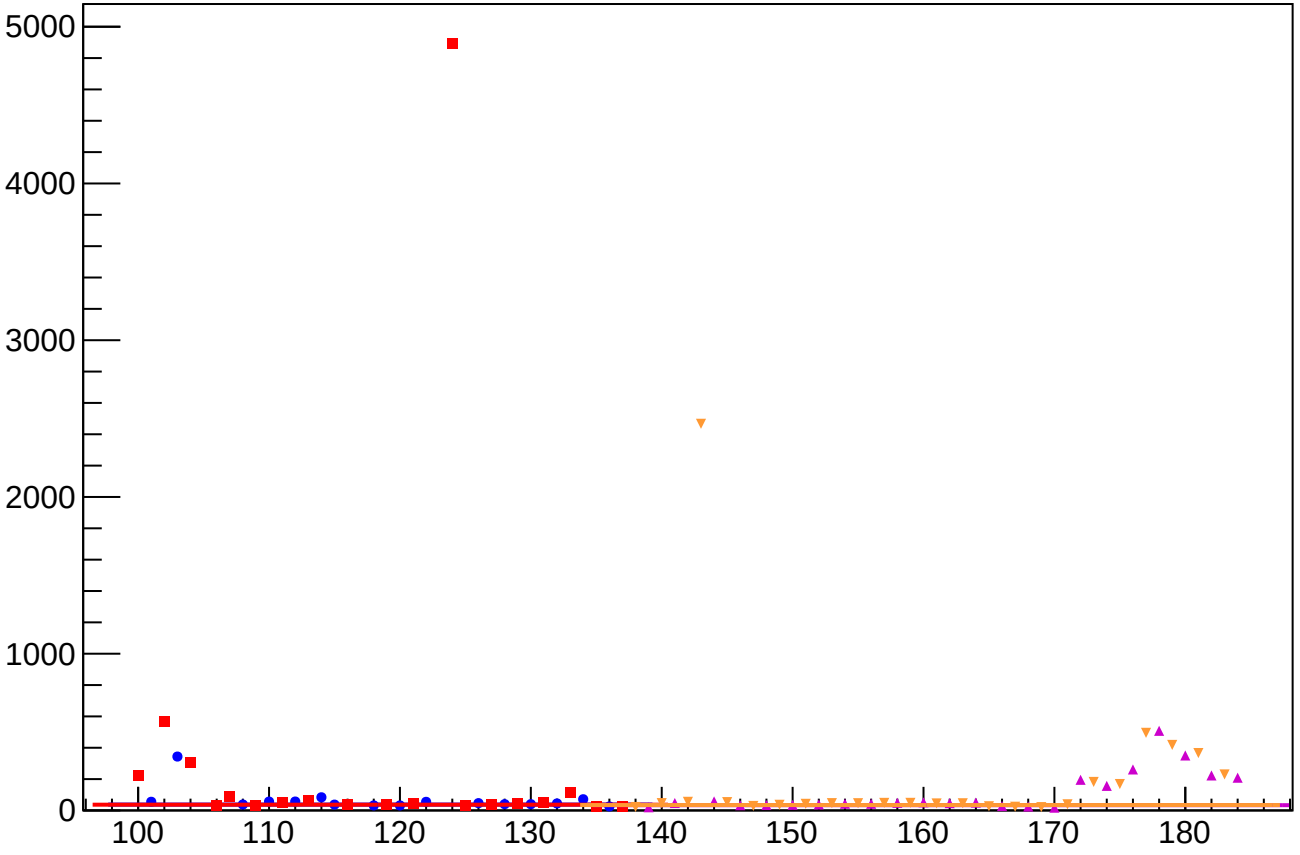
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 71.4/81

- sign 0.004+/-0.009 χ^2/NDF: 28.7/41

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

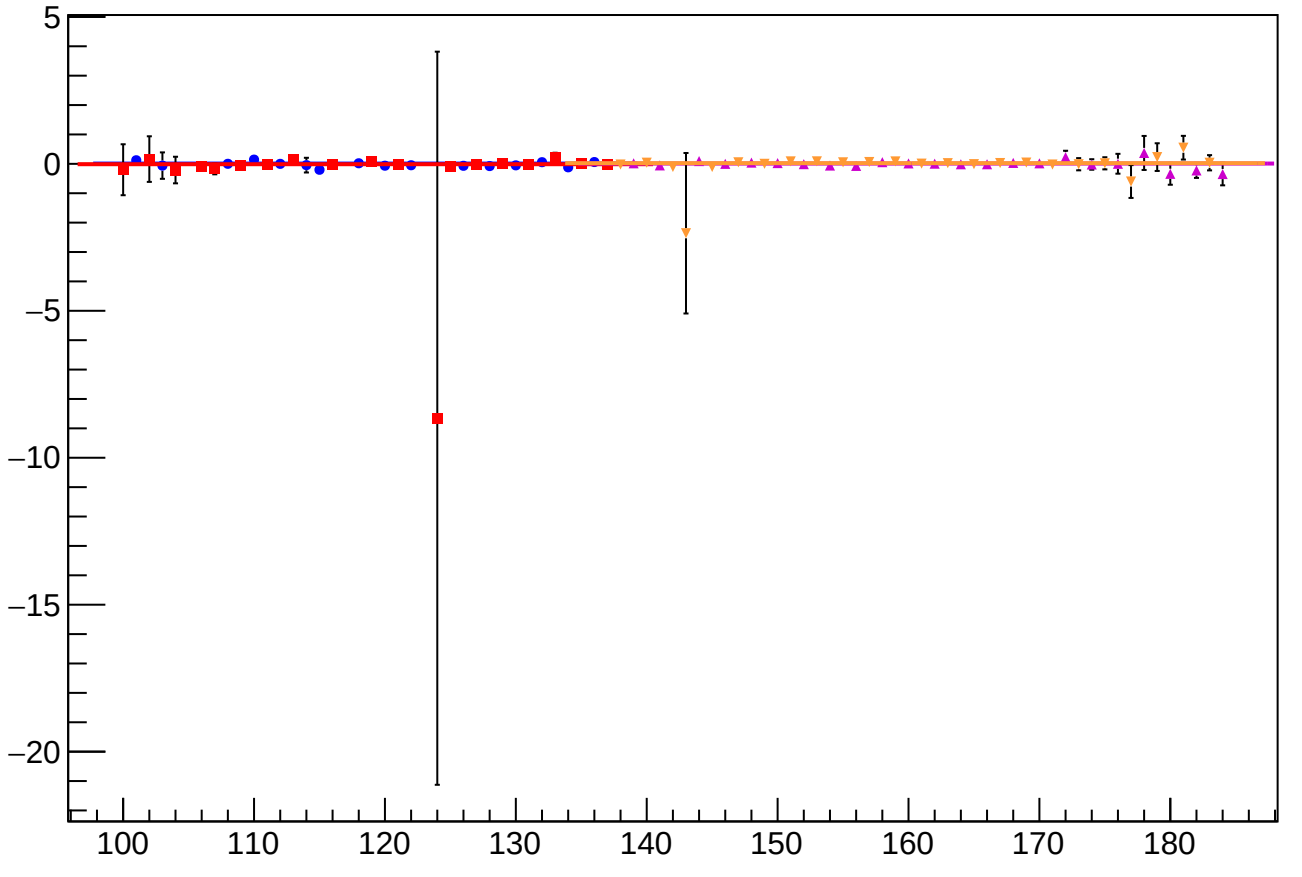
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.372+/-0.006 χ^2/NDF: 13072192.0/39

All: 34.897+/-0.004 χ^2/NDF: 26394580.0/81

\- sign 34.431+/-0.006 χ^2/NDF: 13310331.7/41



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

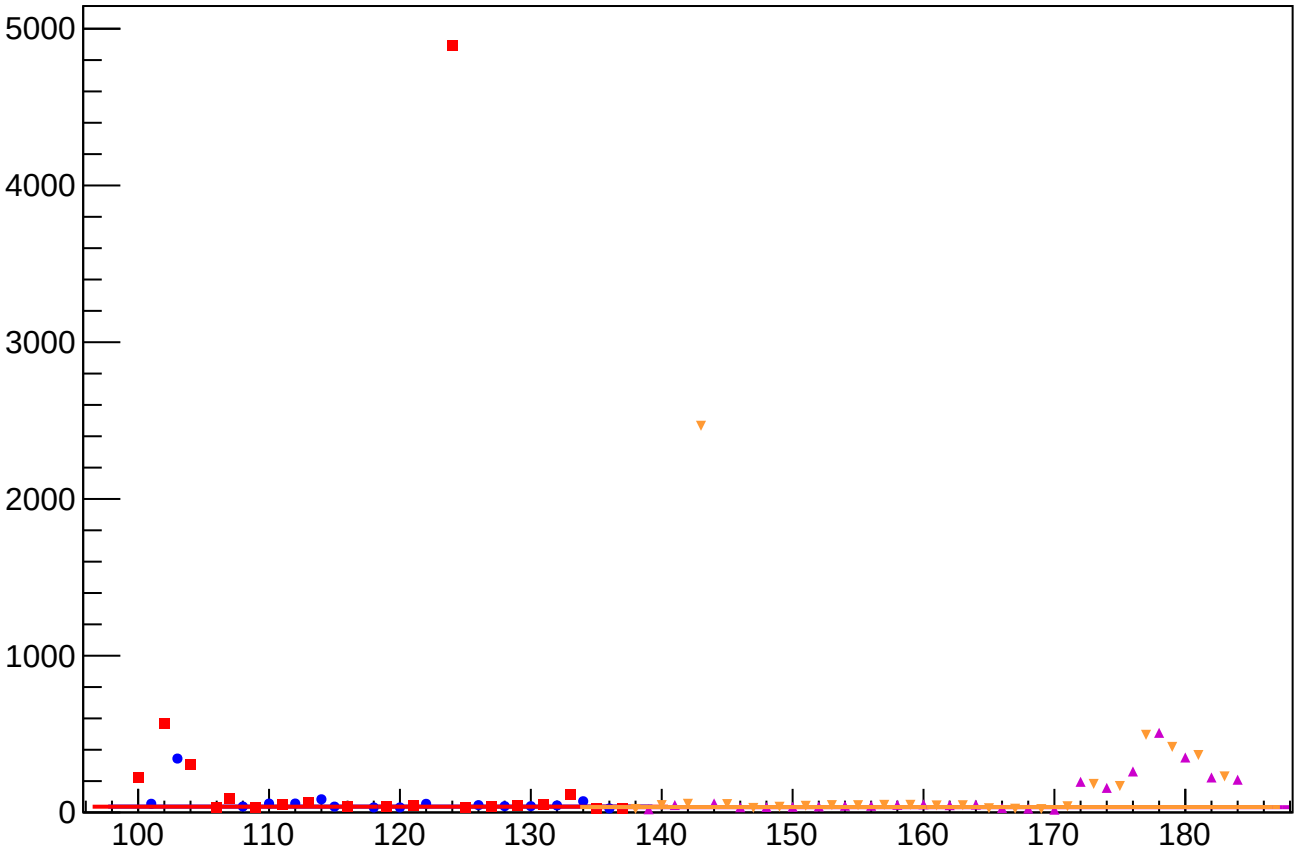
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 71.4/81

- sign 0.004+/-0.009 χ^2/NDF: 28.7/41



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.517+/-0.007 χ^2/NDF:11040092.0/23

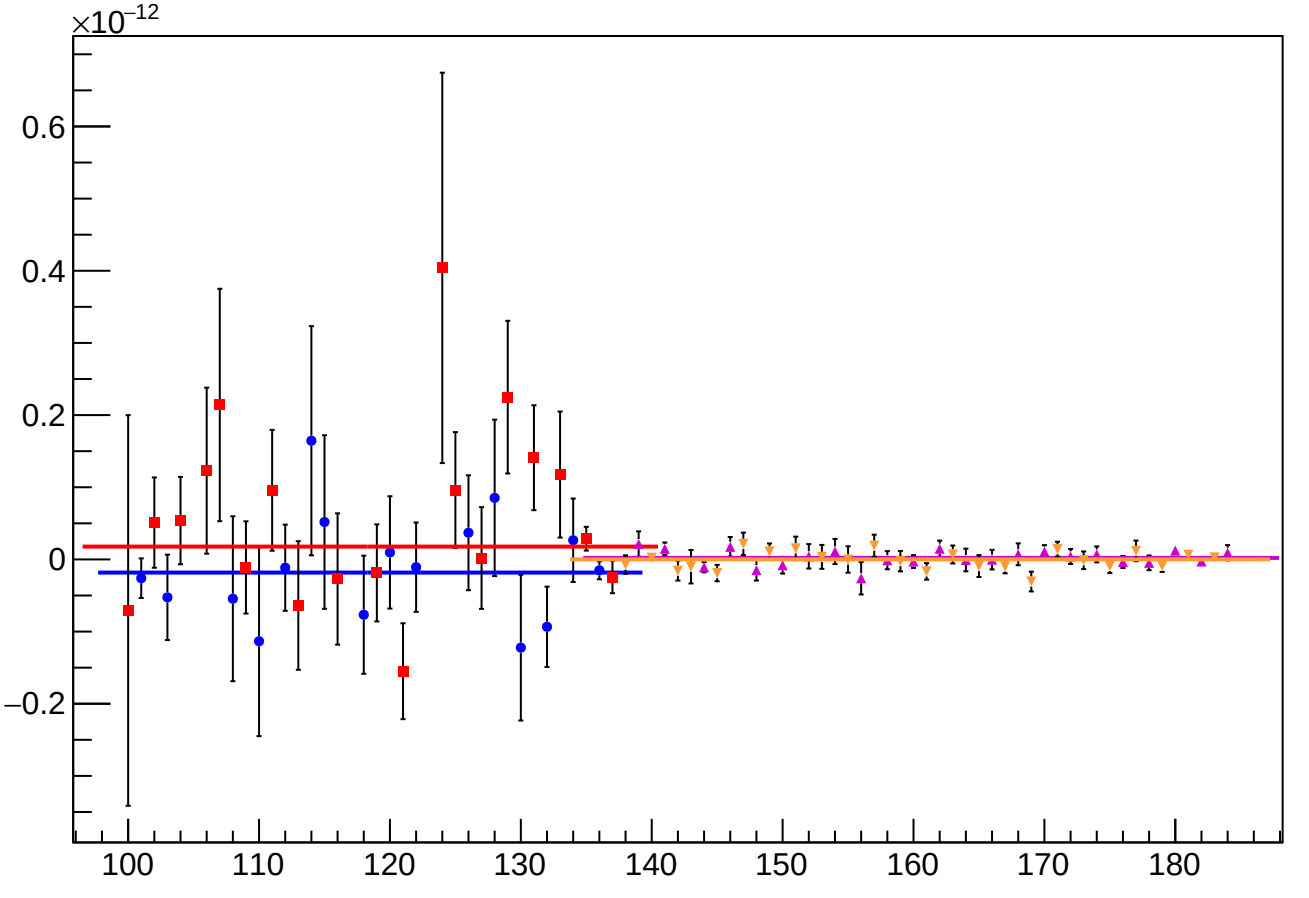
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.372+/-0.006 χ^2/NDF: 13072192.0/39

All: 34.897+/-0.004 χ^2/NDF: 26394580.0/81

\- sign 34.431+/-0.006 χ^2/NDF: 13310331.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/23

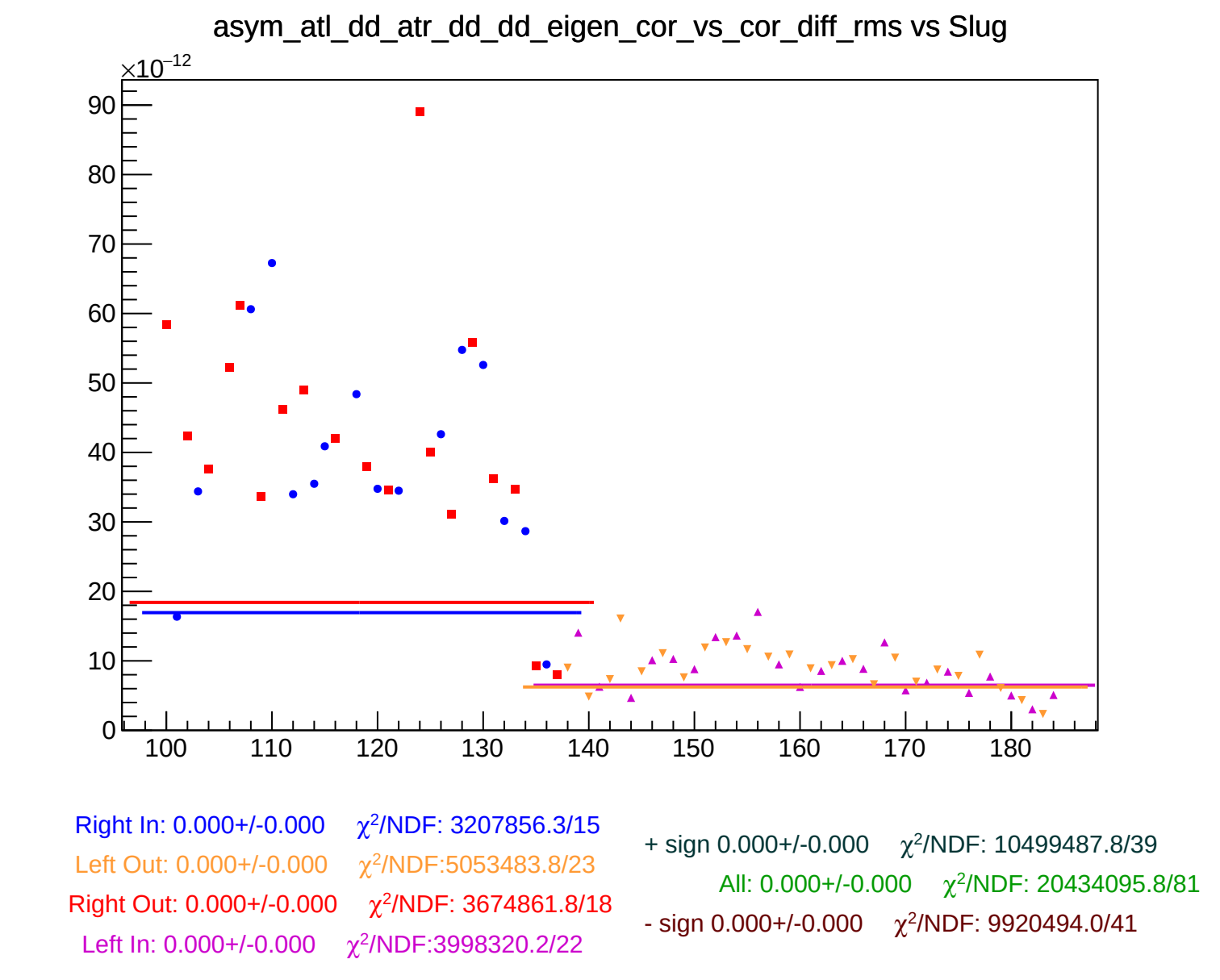
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

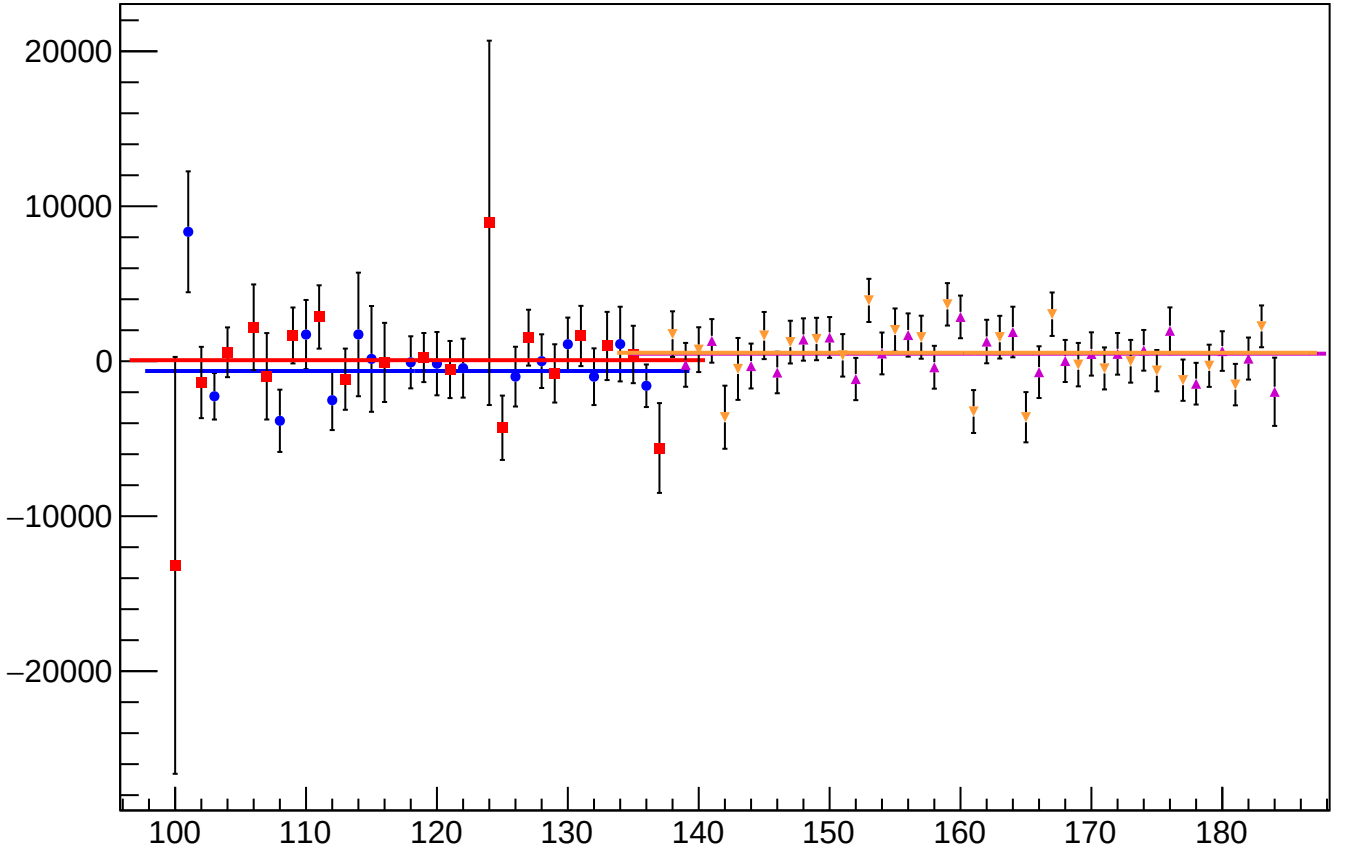
+ sign -0.000+/-0.000 χ^2/NDF: 36.9/39

All: 0.000+/-0.000 χ^2/NDF: 87.5/81

- sign 0.000+/-0.000 χ^2/NDF: 49.2/41


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:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10499487.8/39
All: 0.000+/-0.000 χ²/NDF: 20434095.8/81
- sign 0.000+/-0.000 χ²/NDF: 9920494.0/41

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

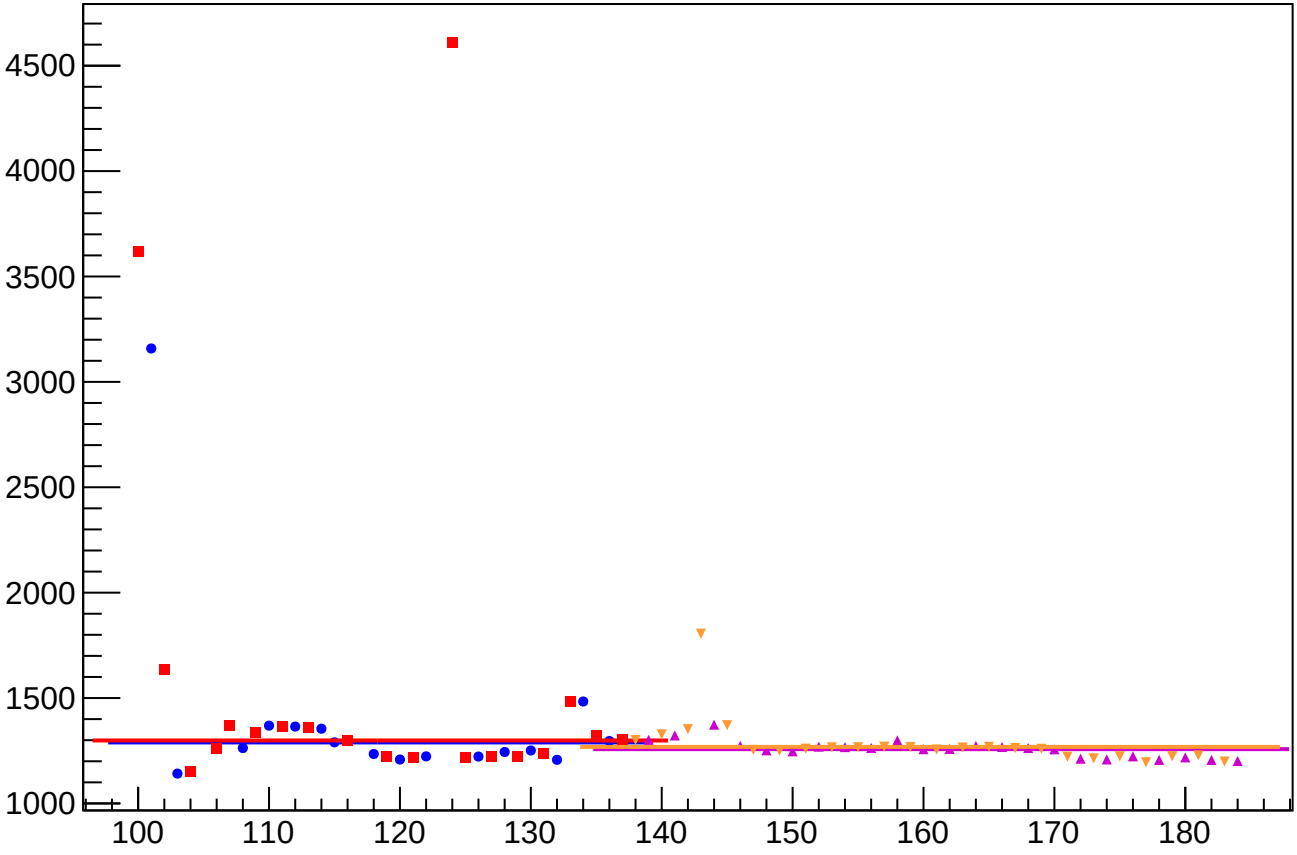
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 237.691+/-249.851 χ^2/NDF: 62.9/39

All: 305.973+/-177.304 χ^2/NDF: 93.9/81

- sign 375.242+/-251.651 χ^2/NDF: 30.8/41

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

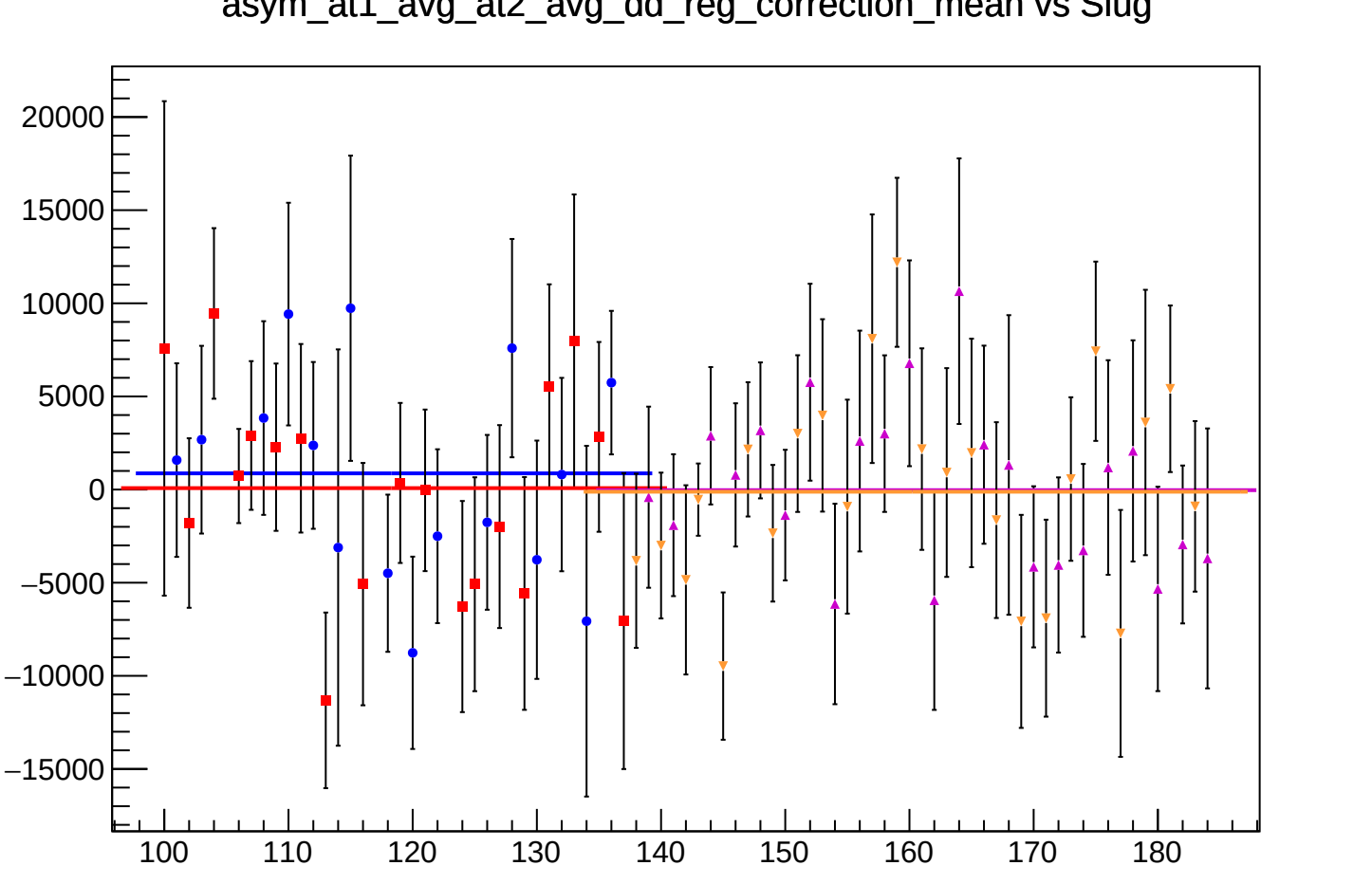
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.747+/-0.177 χ^2/NDF: 702735.6/39

All: 1271.158+/-0.125 χ^2/NDF: 1069822.0/81

- sign 1268.535+/-0.178 χ^2/NDF: 366654.0/41



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

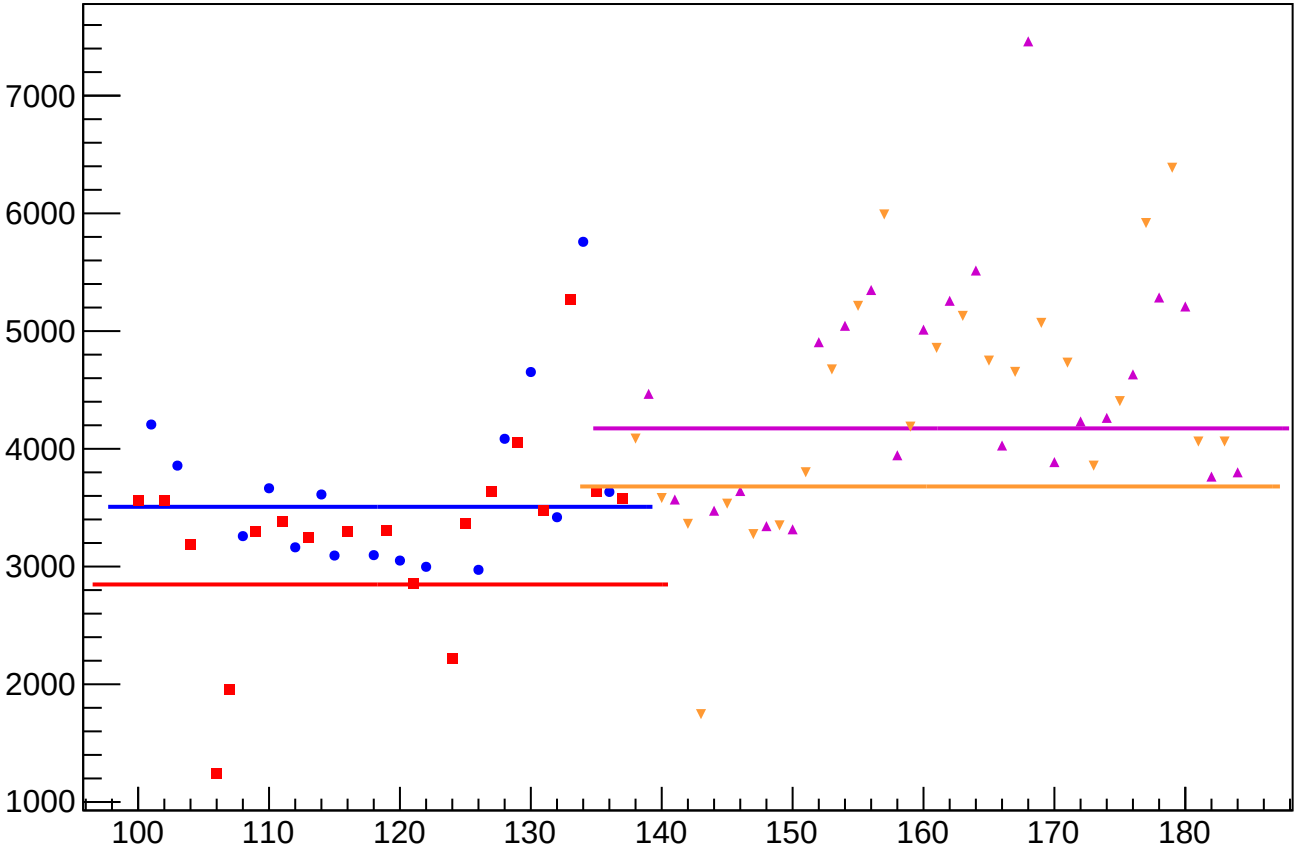
Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 191.673+/-740.022 χ^2/NDF: 42.1/39

All: 104.445+/-523.750 χ^2/NDF: 74.6/81

- sign 16.899+/-741.367 χ^2/NDF: 32.4/41

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



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

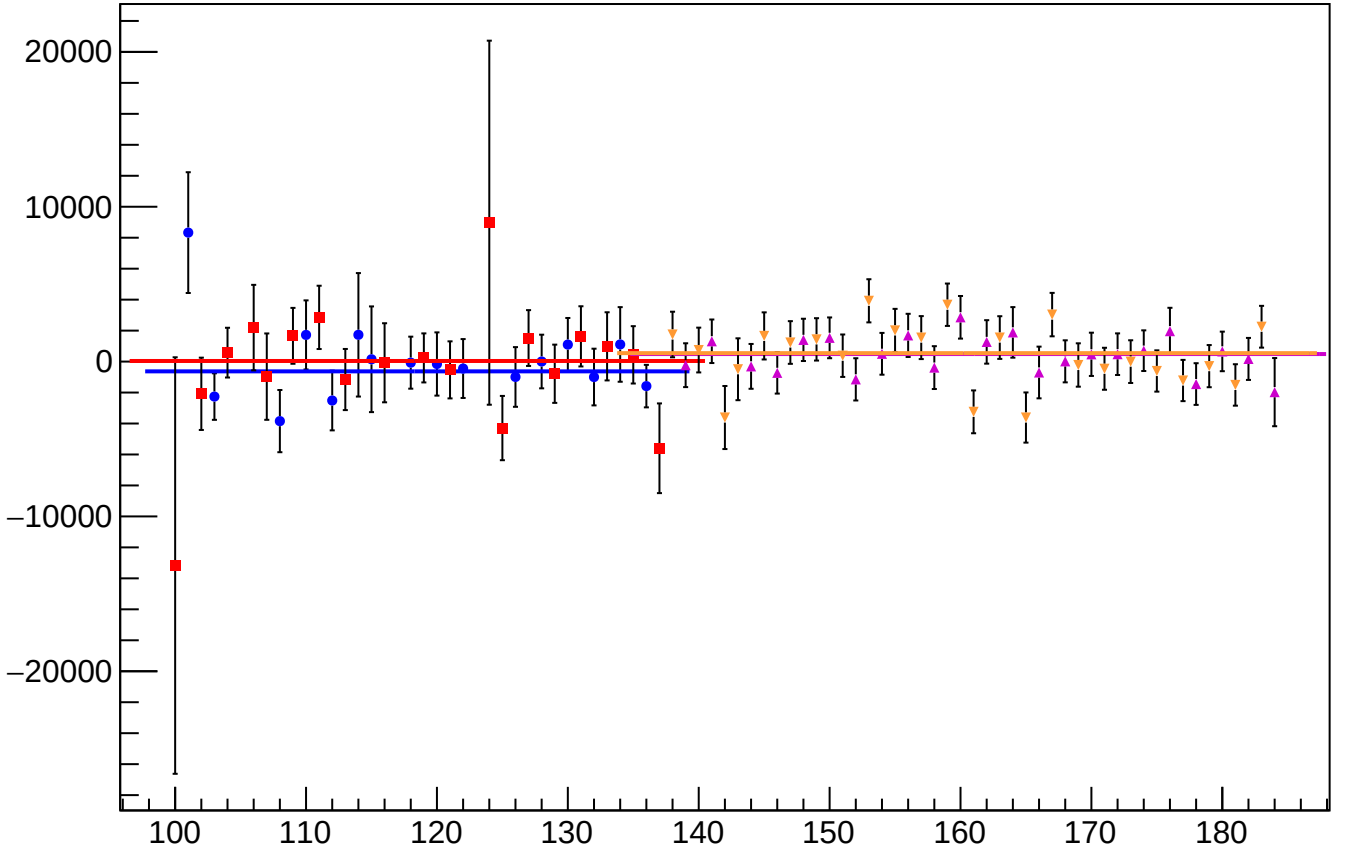
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3626.345+/-0.523 χ^2/NDF: 4066879.3/39

All: 3604.866+/-0.370 χ^2/NDF: 8424266.0/81

- sign 3583.310+/-0.524 χ^2/NDF: 4354011.0/41

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

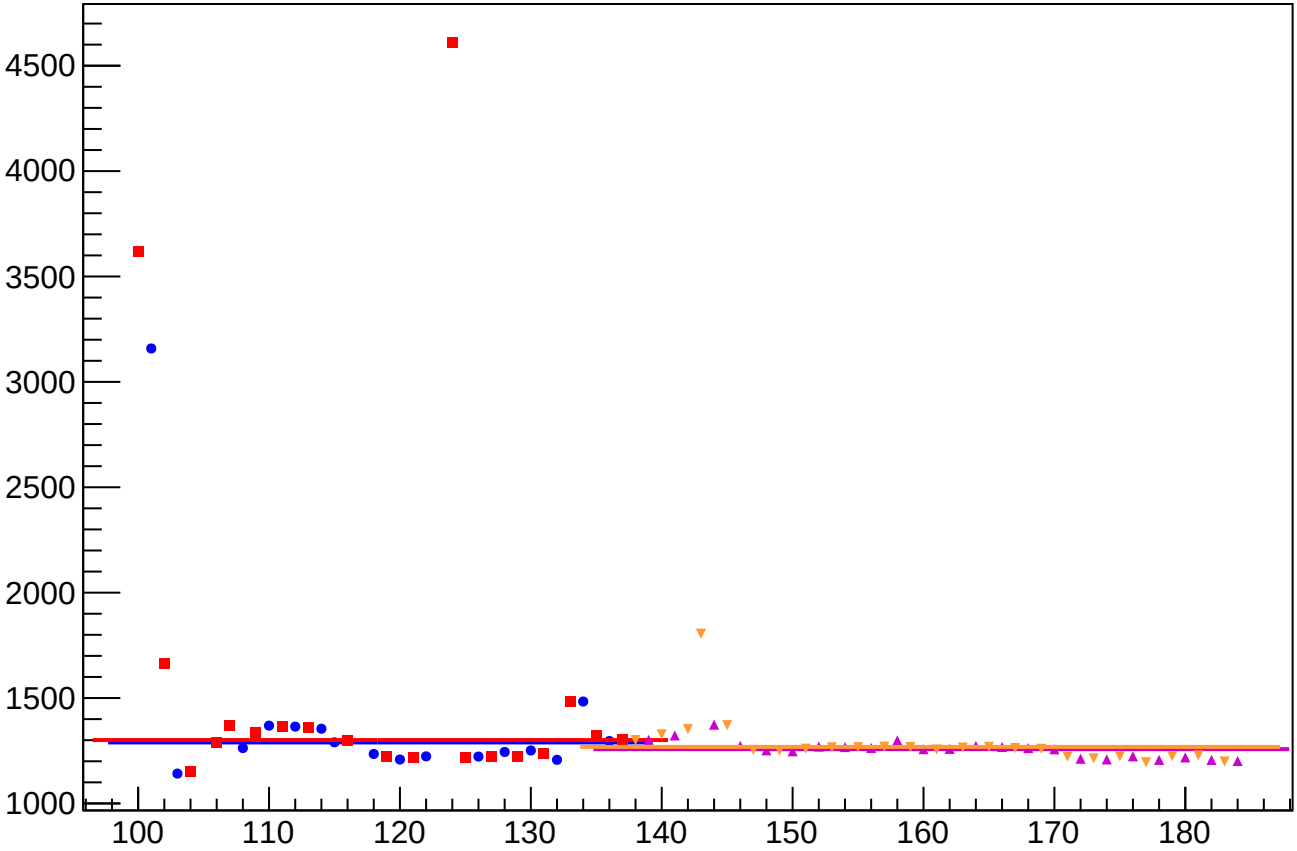
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 302.106+/-177.320 χ^2/NDF: 94.4/81

- sign 367.559+/-251.696 χ^2/NDF: 31.4/41

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

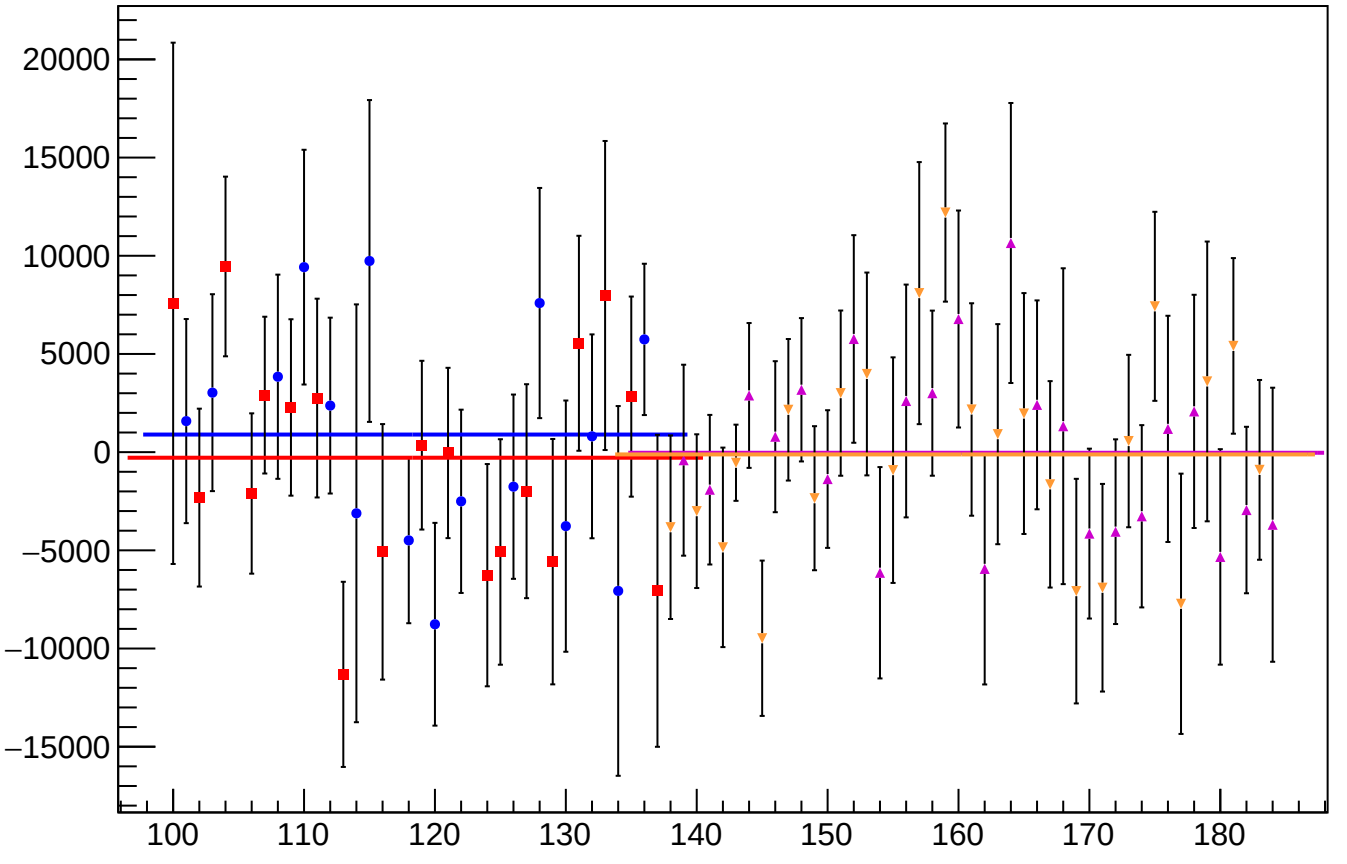
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81

- sign 1269.053+/-0.178 χ^2/NDF: 374220.7/41



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

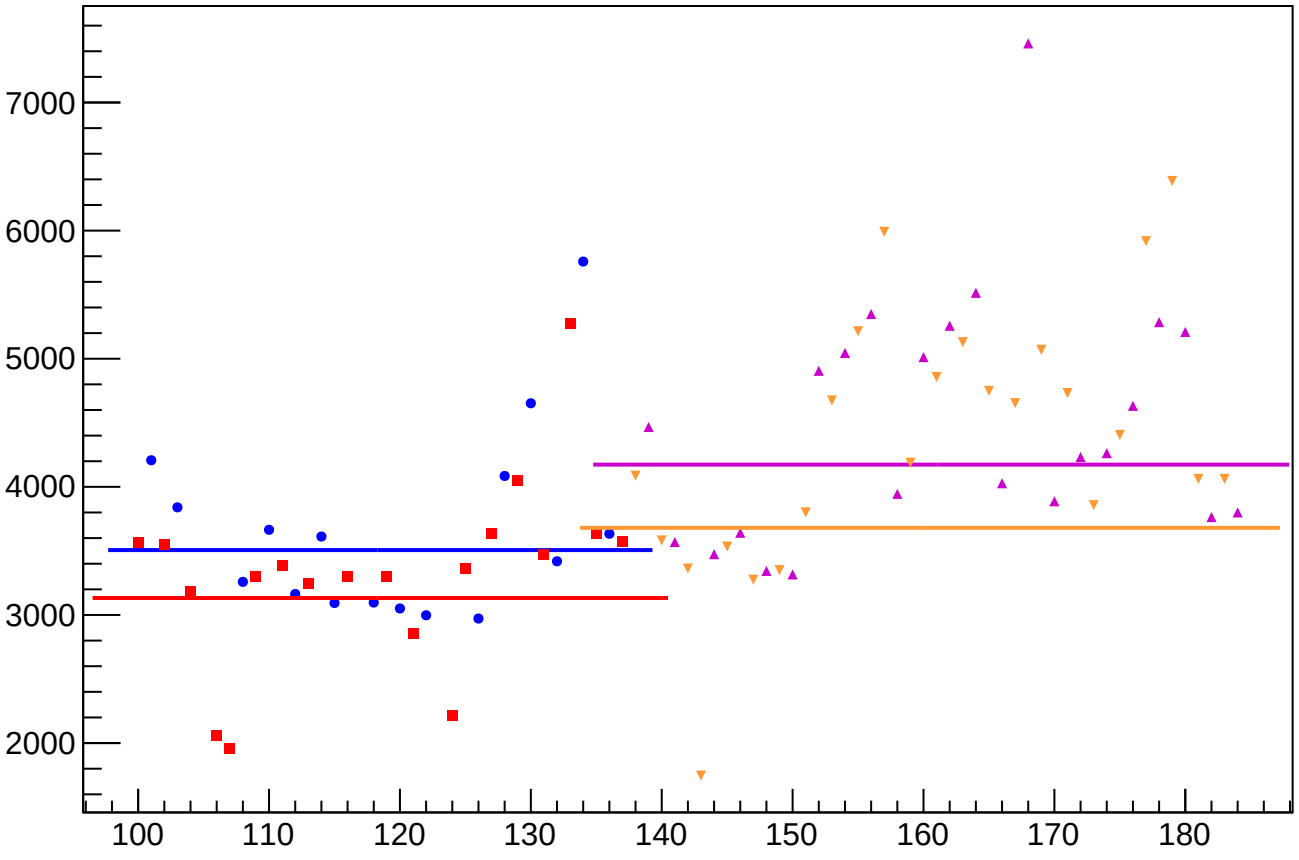
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 199.889+/-739.942 χ^2/NDF: 42.2/39

All: 36.715+/-530.734 χ^2/NDF: 75.0/81

- sign -136.182+/-761.672 χ^2/NDF: 32.7/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

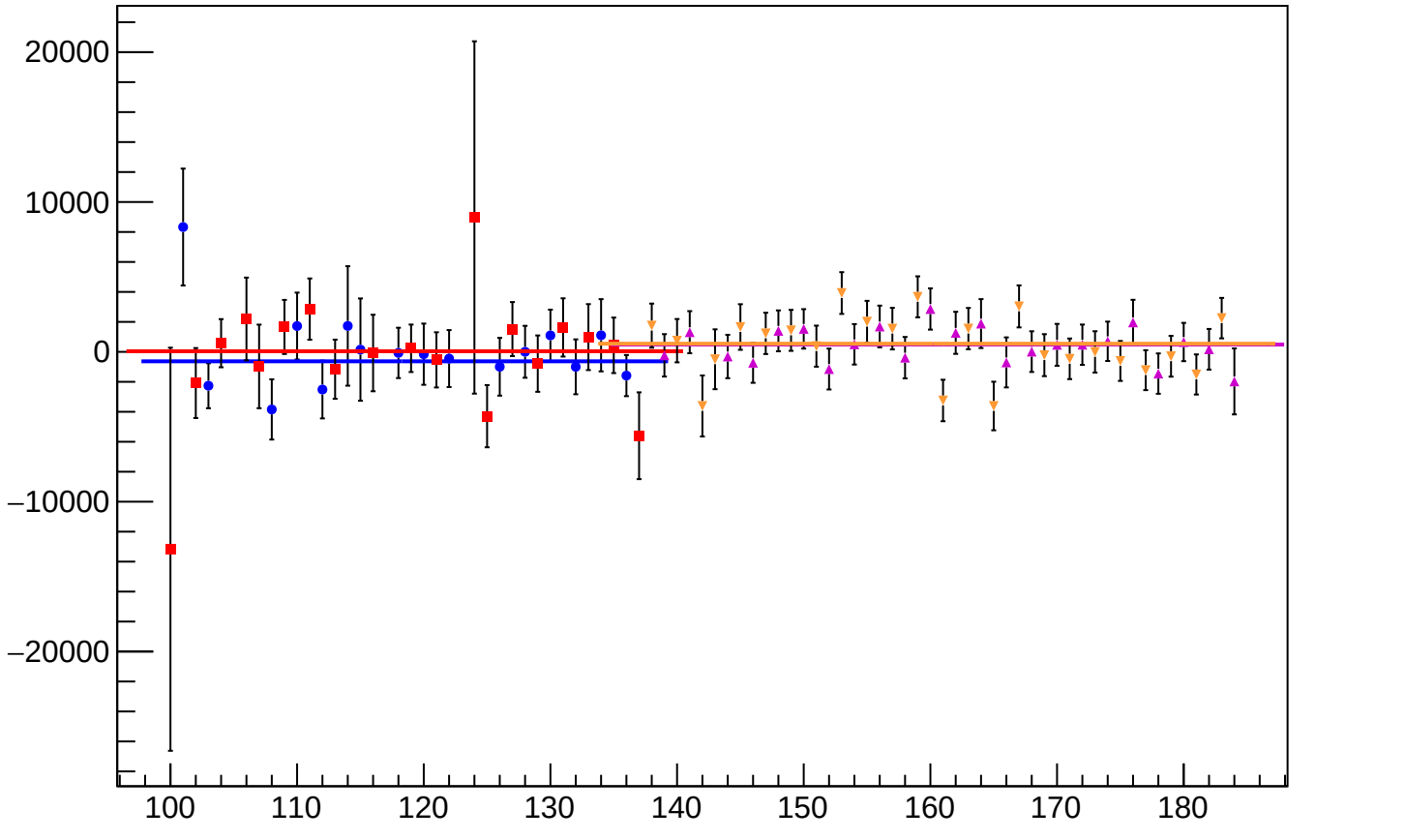
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81

- sign 3742.154+/-0.539 χ^2/NDF: 2831129.9/41



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

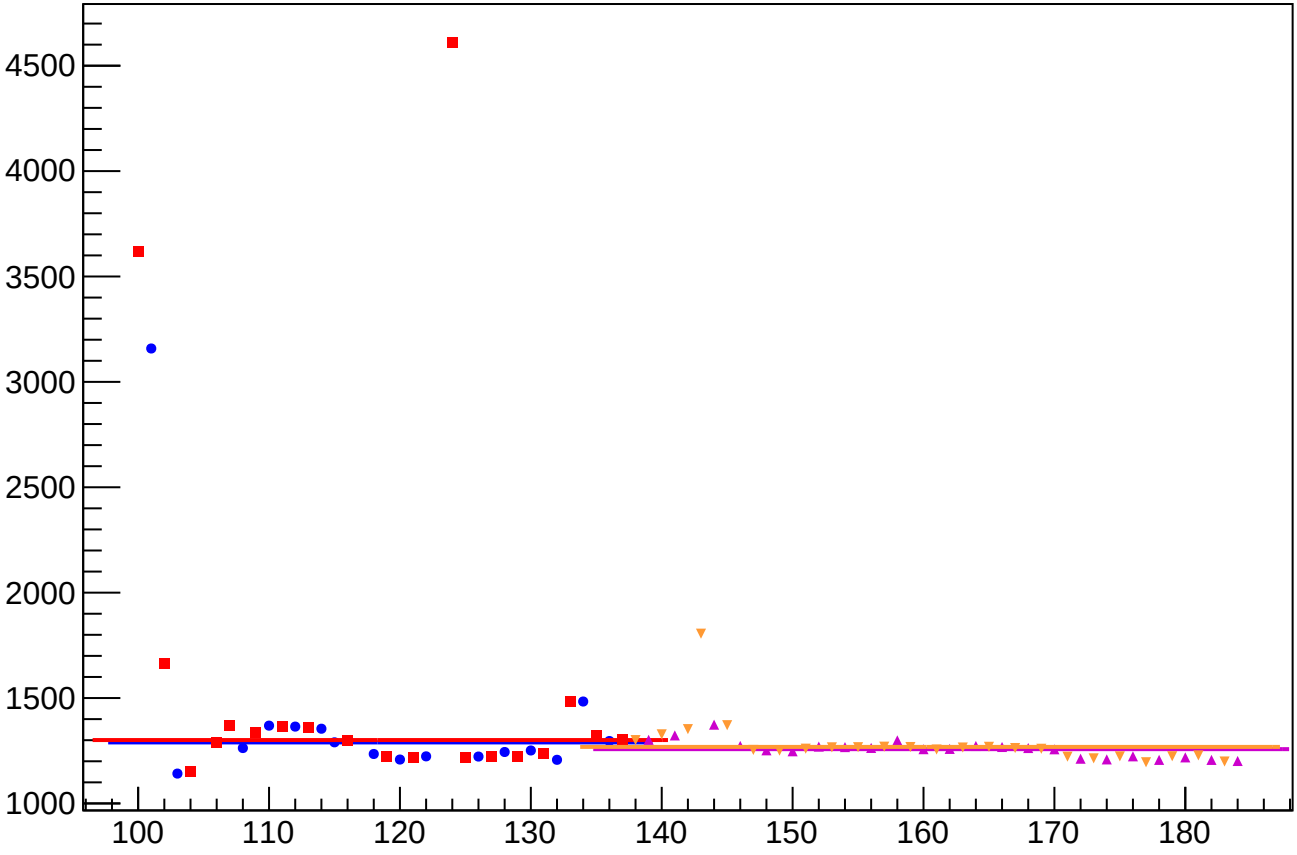
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 302.106+/-177.320 χ^2/NDF: 94.4/81

- sign 367.559+/-251.696 χ^2/NDF: 31.4/41

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

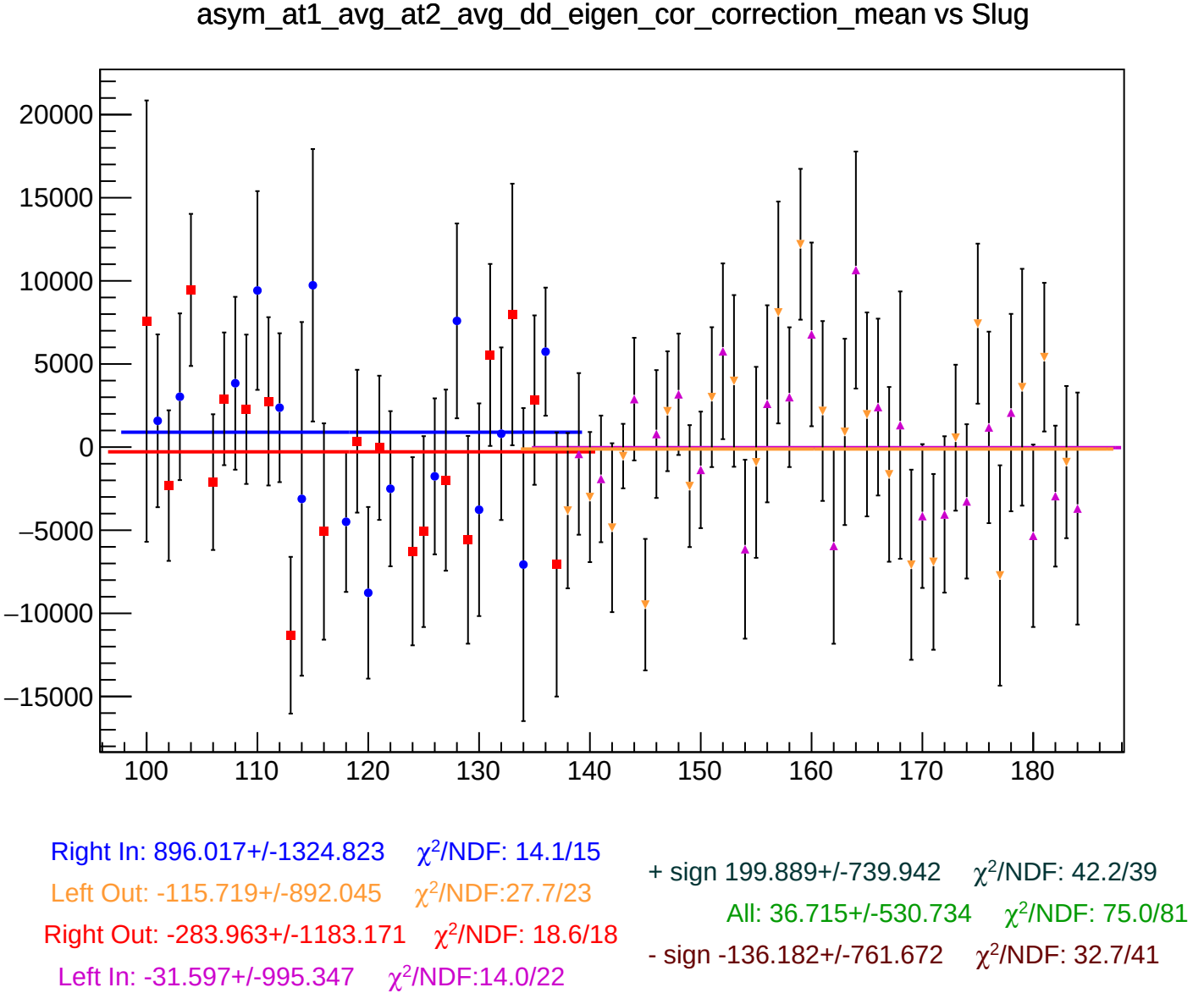
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

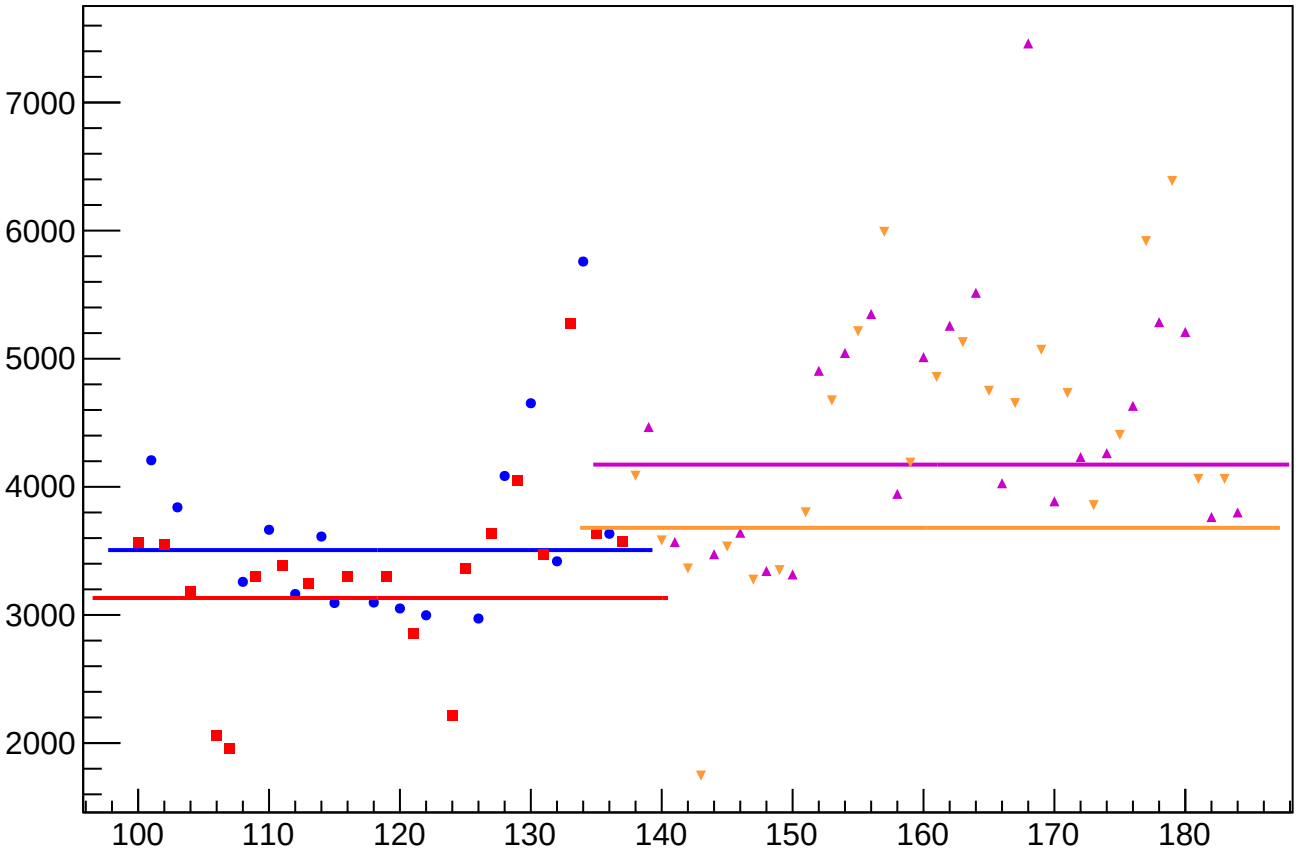
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81

- sign 1269.053+/-0.178 χ^2/NDF: 374220.7/41


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: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 199.889+/-739.942 χ²/NDF: 42.2/39
All: 36.715+/-530.734 χ²/NDF: 75.0/81
- sign -136.182+/-761.672 χ²/NDF: 32.7/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

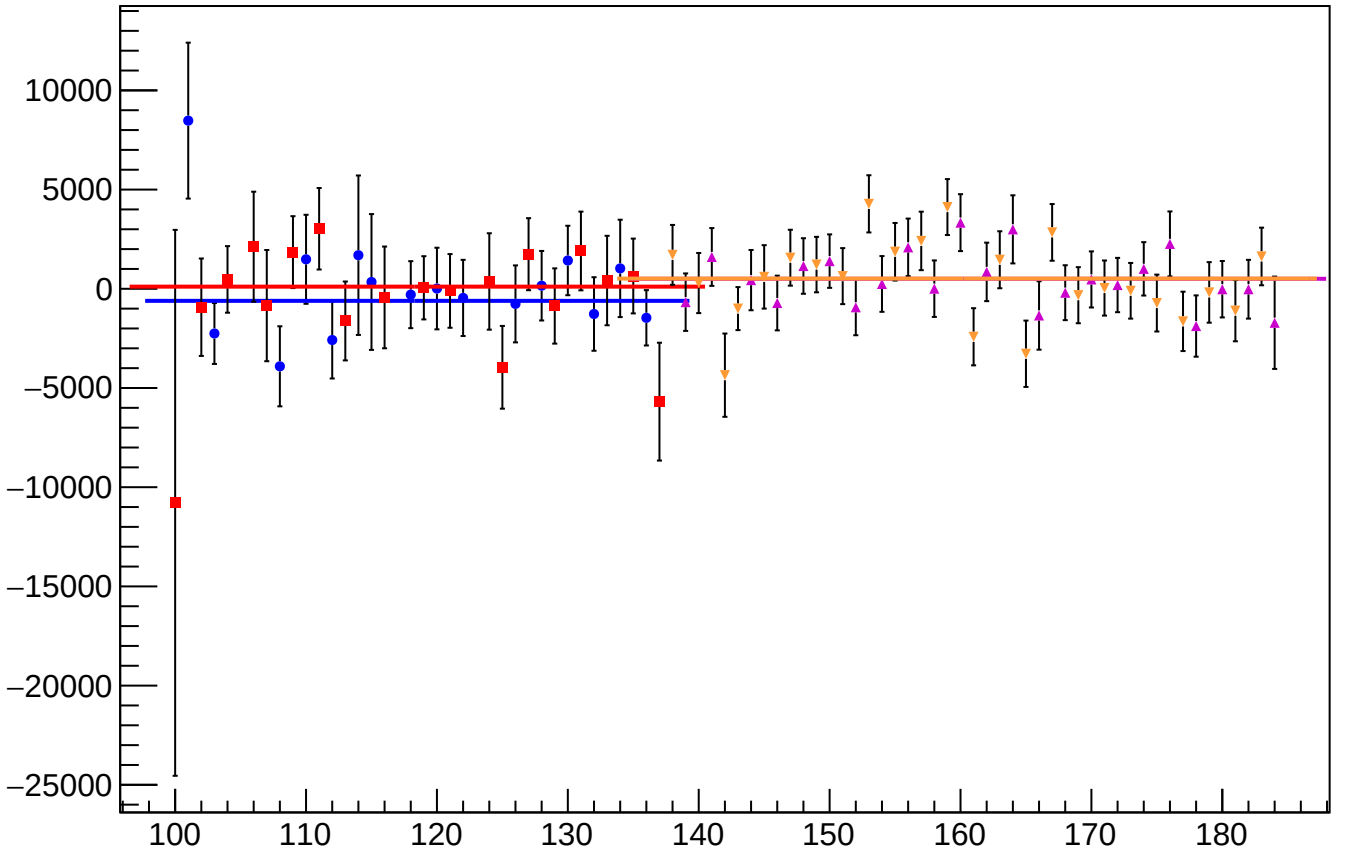
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81

- sign 3742.154+/-0.539 χ^2/NDF: 2831129.9/41



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

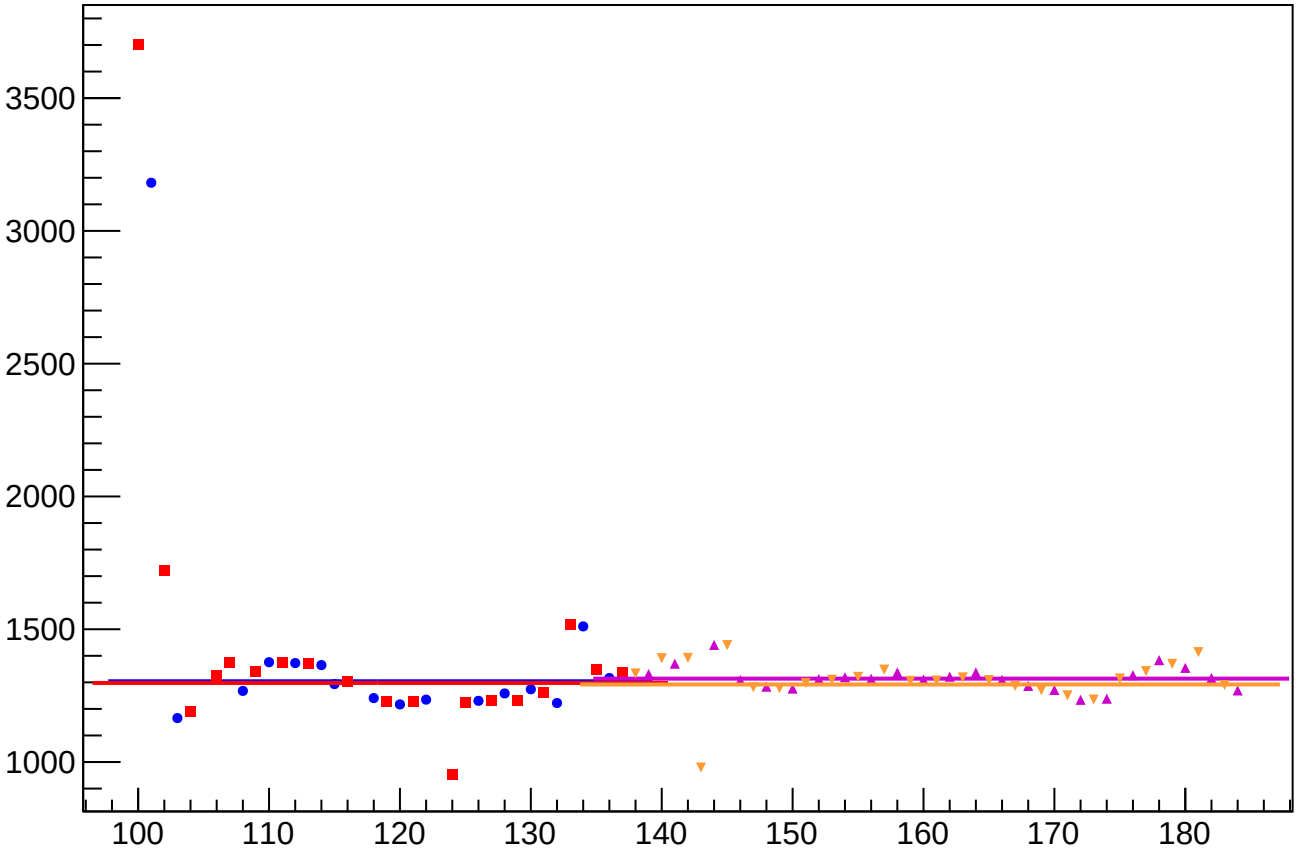
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 217.318+/-254.210 χ^2/NDF: 60.3/39

All: 302.235+/-181.601 χ^2/NDF: 93.3/81

\- sign 390.735+/-259.518 χ^2/NDF: 32.8/41

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

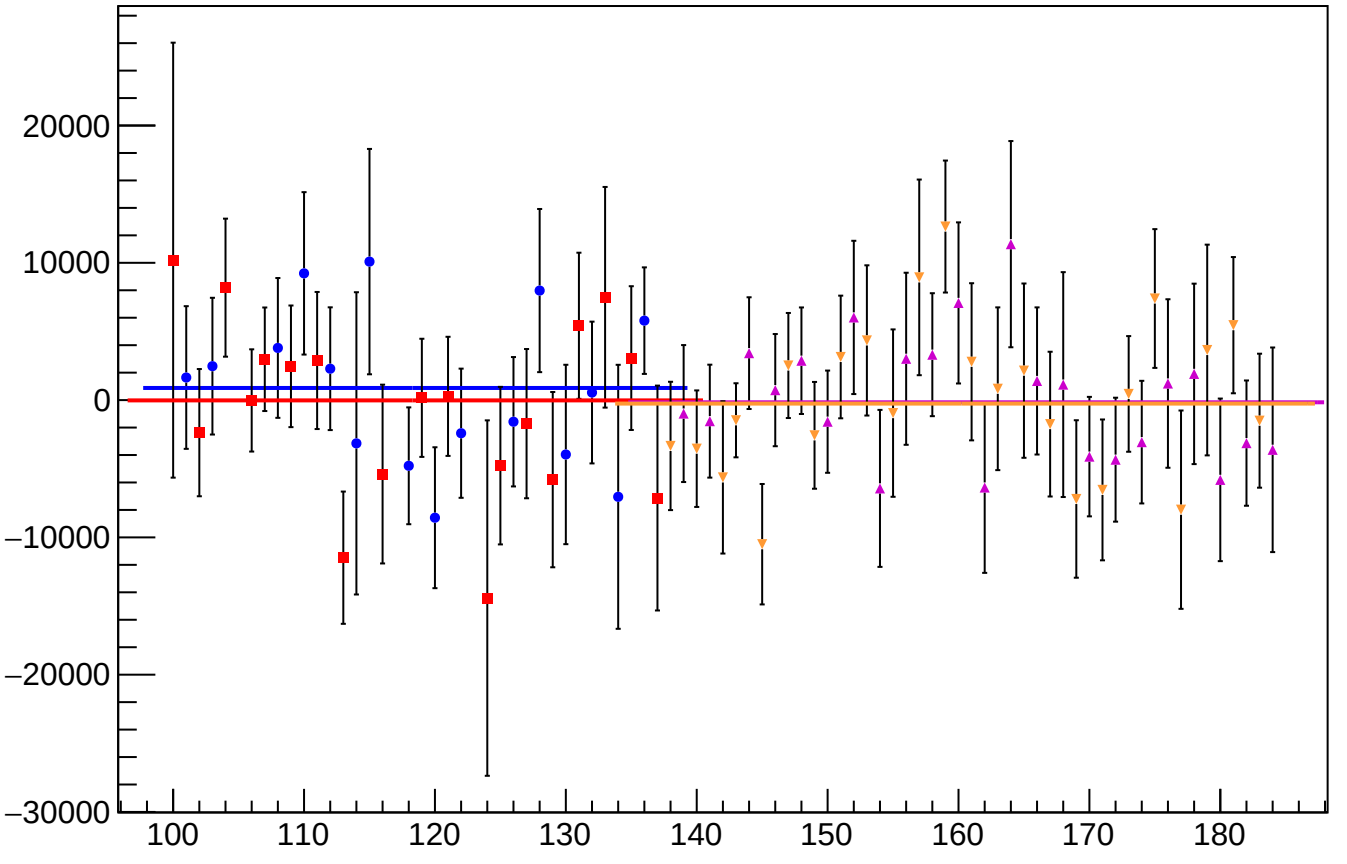
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.206+/-0.180 χ^2/NDF: 741227.2/39

All: 1302.143+/-0.128 χ^2/NDF: 1002003.8/81

- sign 1309.370+/-0.183 χ^2/NDF: 257735.5/41



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -254.197+/-983.675 χ^2/NDF:27.3/23

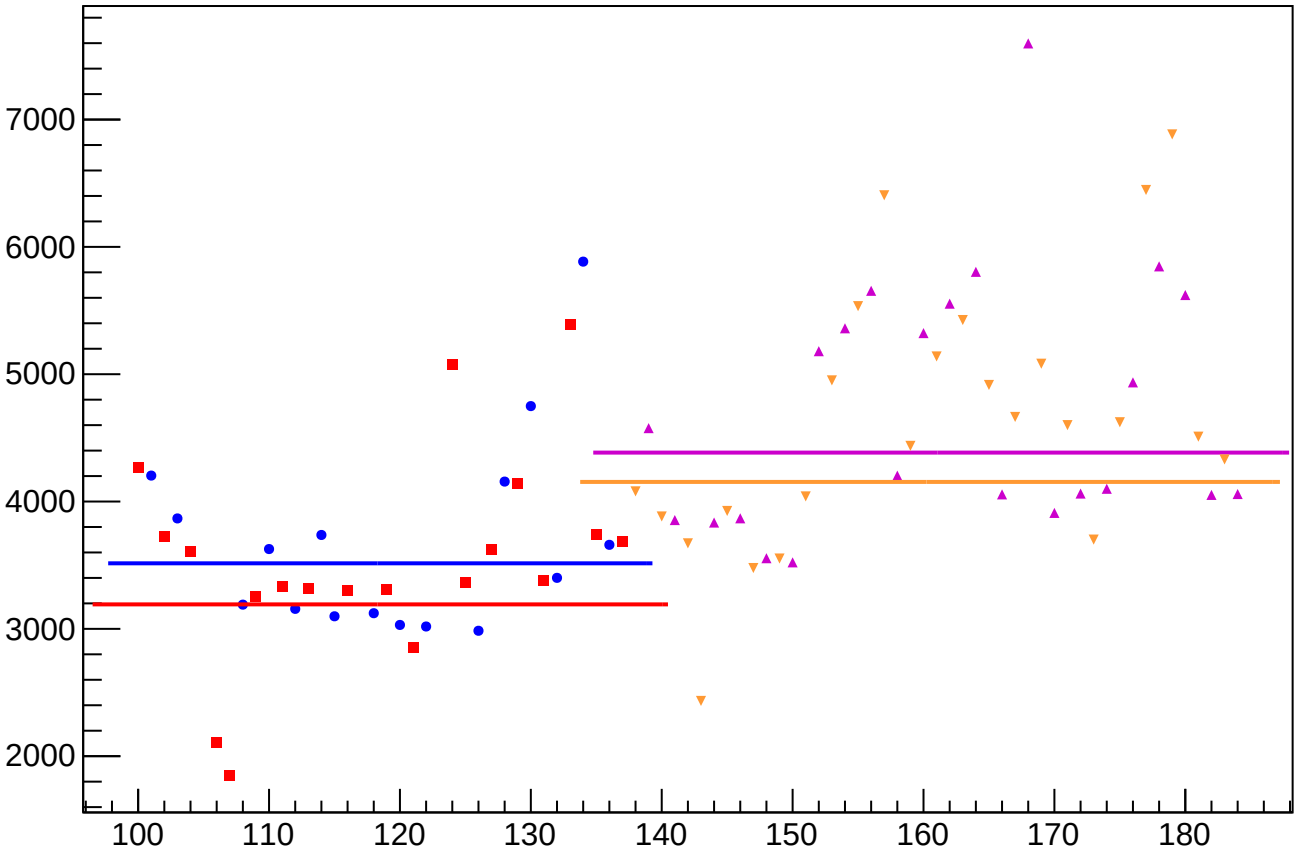
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 24.546+/-558.122 χ^2/NDF: 72.6/81

- sign -99.570+/-788.290 χ^2/NDF: 30.6/41



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

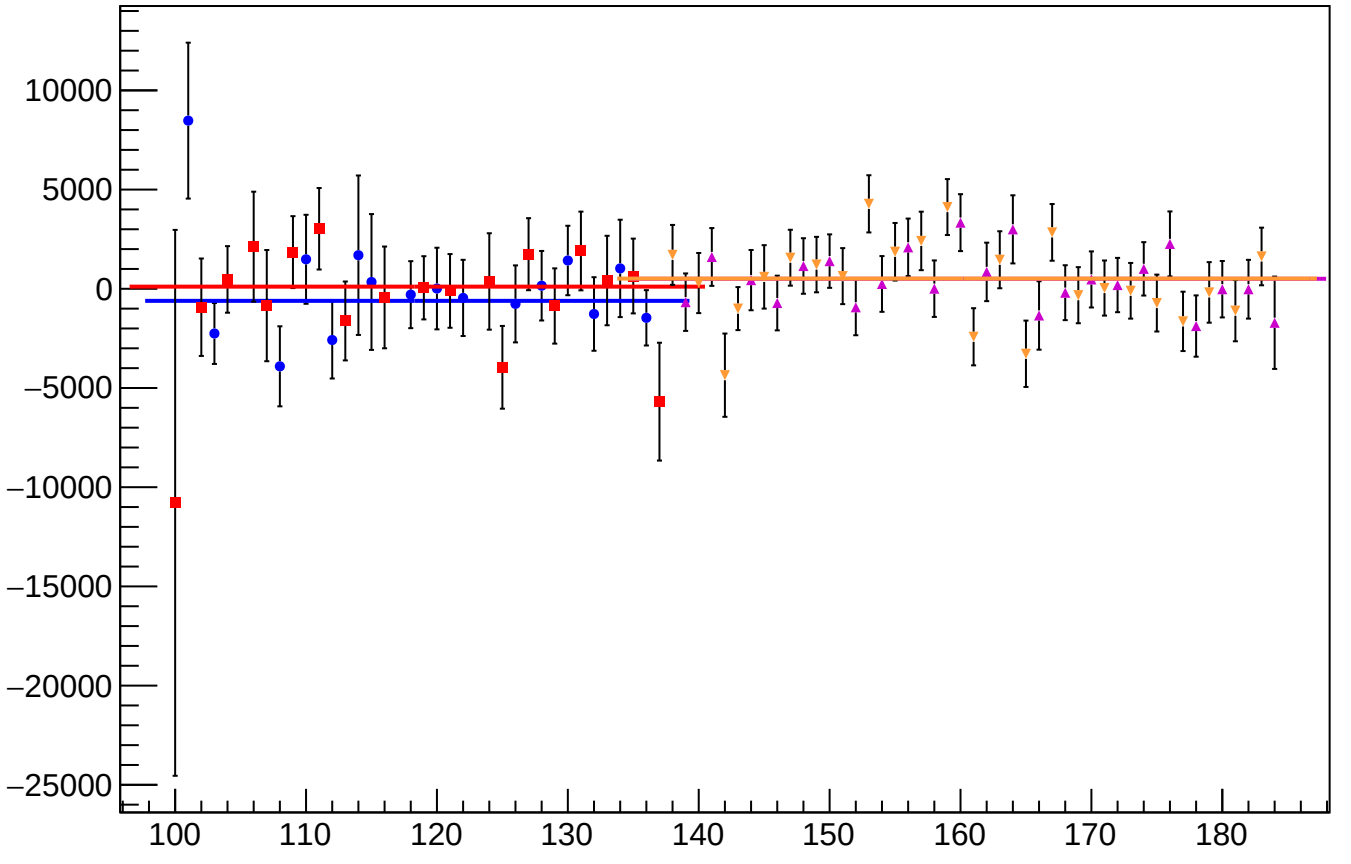
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

\+ sign 3927.415+/-0.559 χ^2/NDF: 2754274.0/39

All: 3898.584+/-0.395 χ^2/NDF: 5909601.1/81

\- sign 3869.901+/-0.557 χ^2/NDF: 3150017.5/41



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 514.232+/-296.438 χ^2/NDF:42.4/23

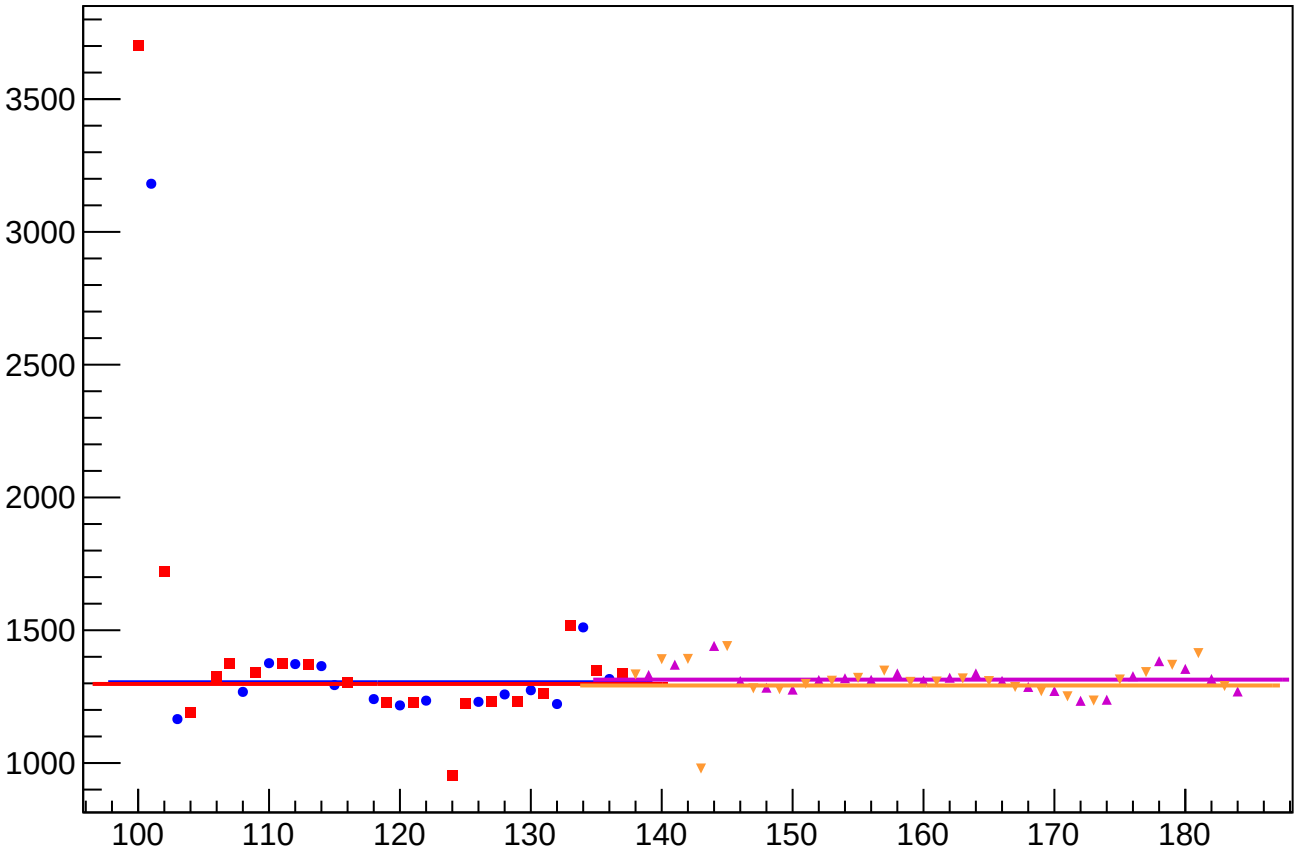
Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 217.319+/-254.210 χ^2/NDF: 60.3/39

All: 302.236+/-181.601 χ^2/NDF: 93.3/81

- sign 390.737+/-259.518 χ^2/NDF: 32.8/41



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1292.006+/-0.210 χ^2/NDF:229758.9/23

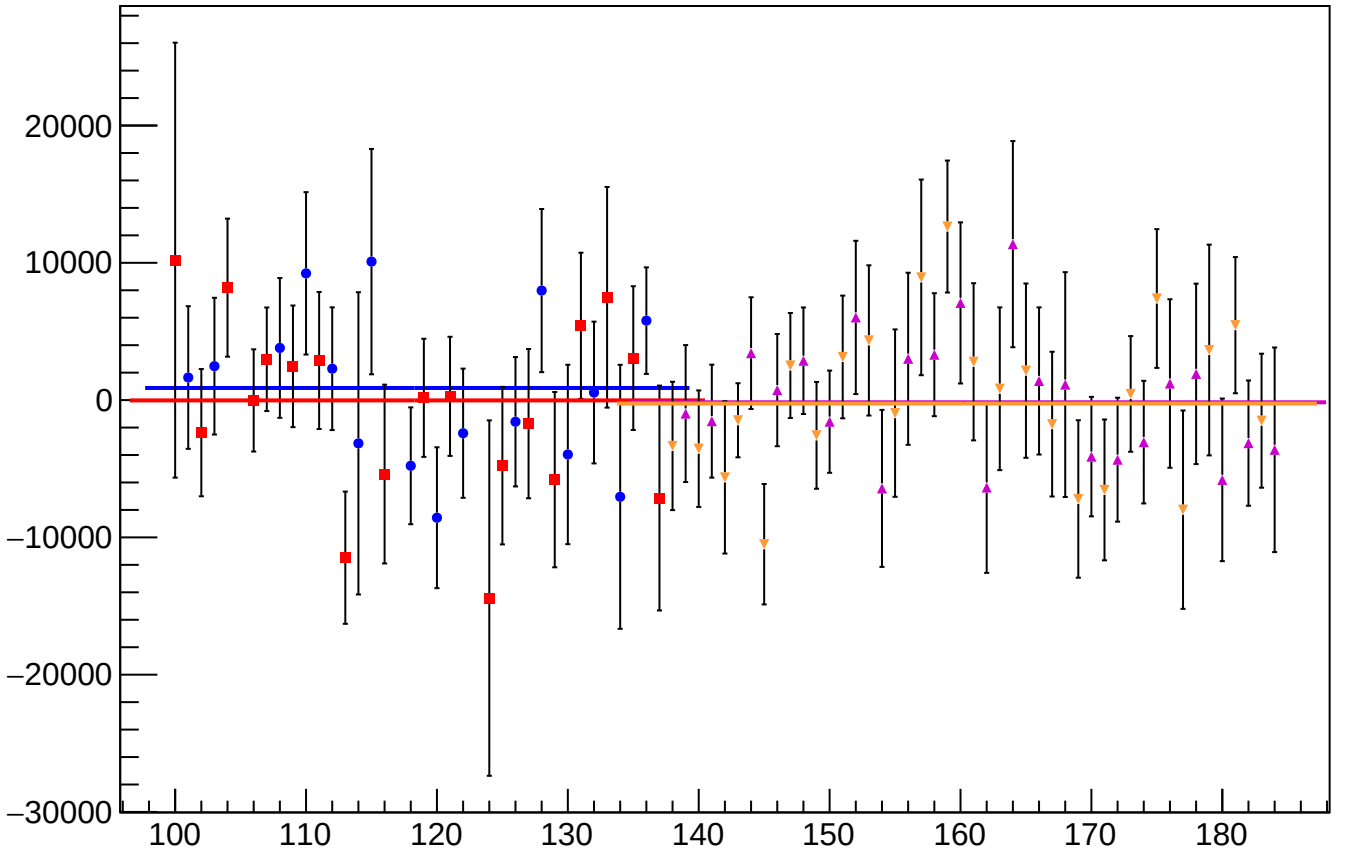
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.207+/-0.180 χ^2/NDF: 741229.6/39

All: 1302.144+/-0.128 χ^2/NDF: 1002008.8/81

- sign 1309.371+/-0.183 χ^2/NDF: 257738.0/41



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

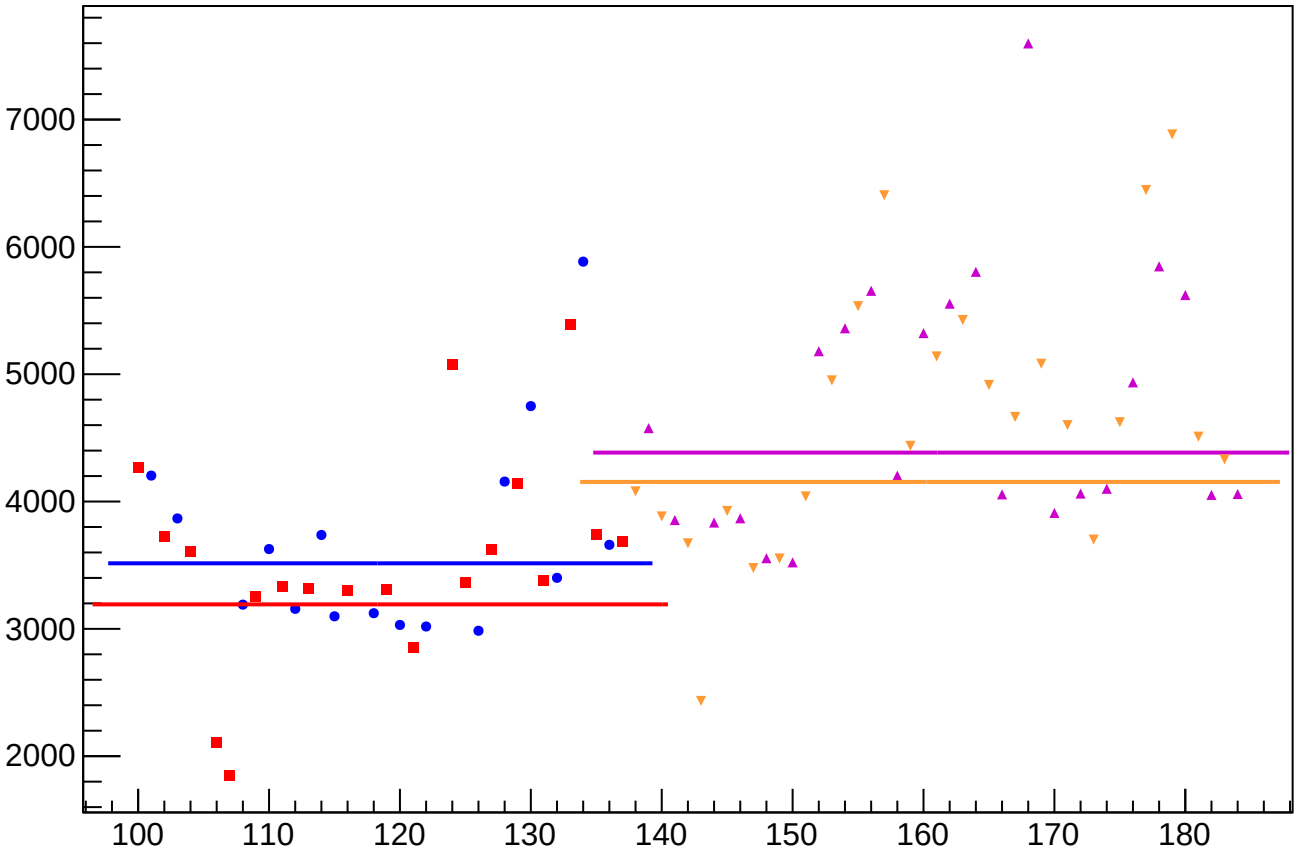
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 24.547+/-558.122 χ^2/NDF: 72.6/81

- sign -99.569+/-788.290 χ^2/NDF: 30.6/41



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

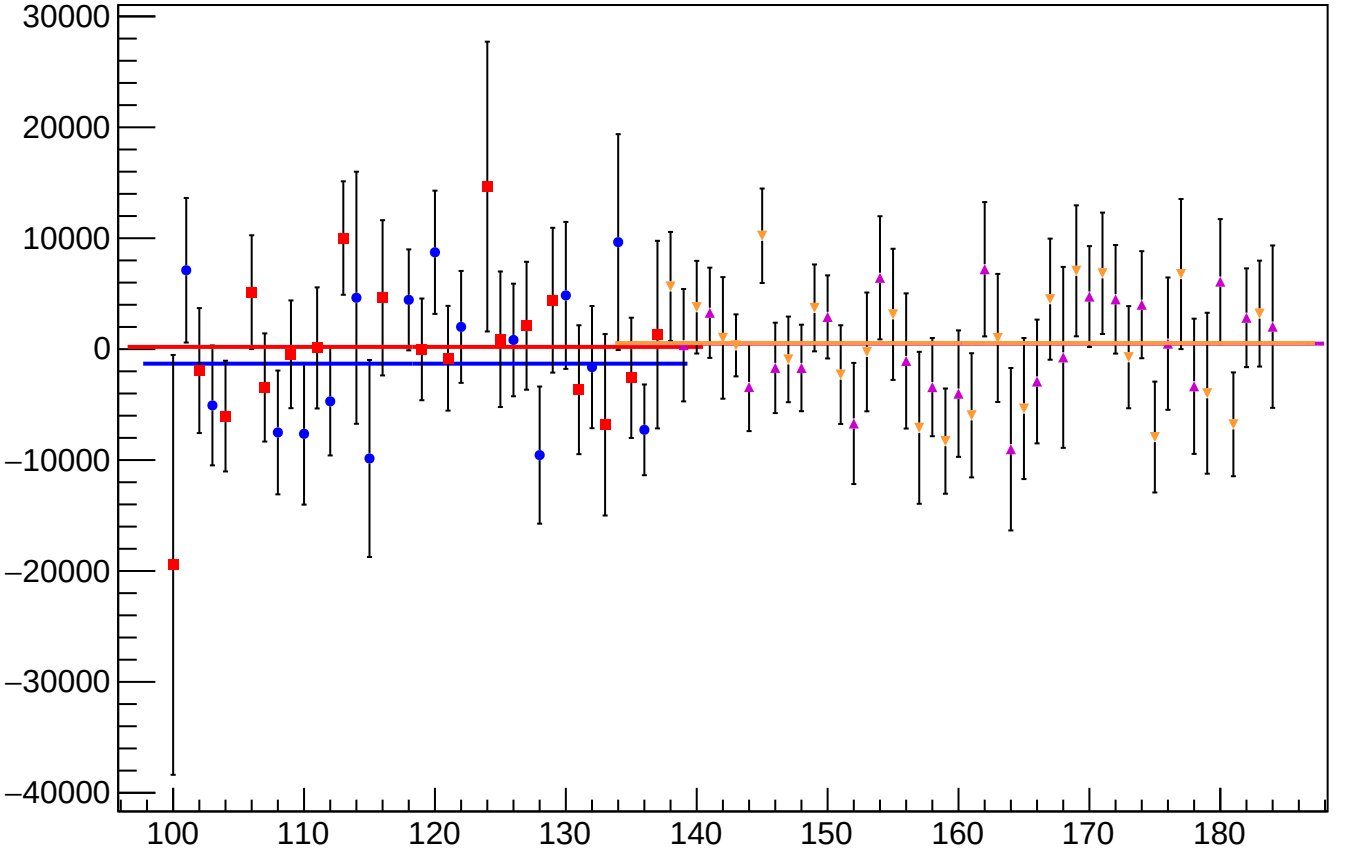
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3927.415+/-0.559 χ^2/NDF: 2754296.2/39

All: 3898.583+/-0.395 χ^2/NDF: 5909658.8/81

- sign 3869.899+/-0.557 χ^2/NDF: 3150052.8/41

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

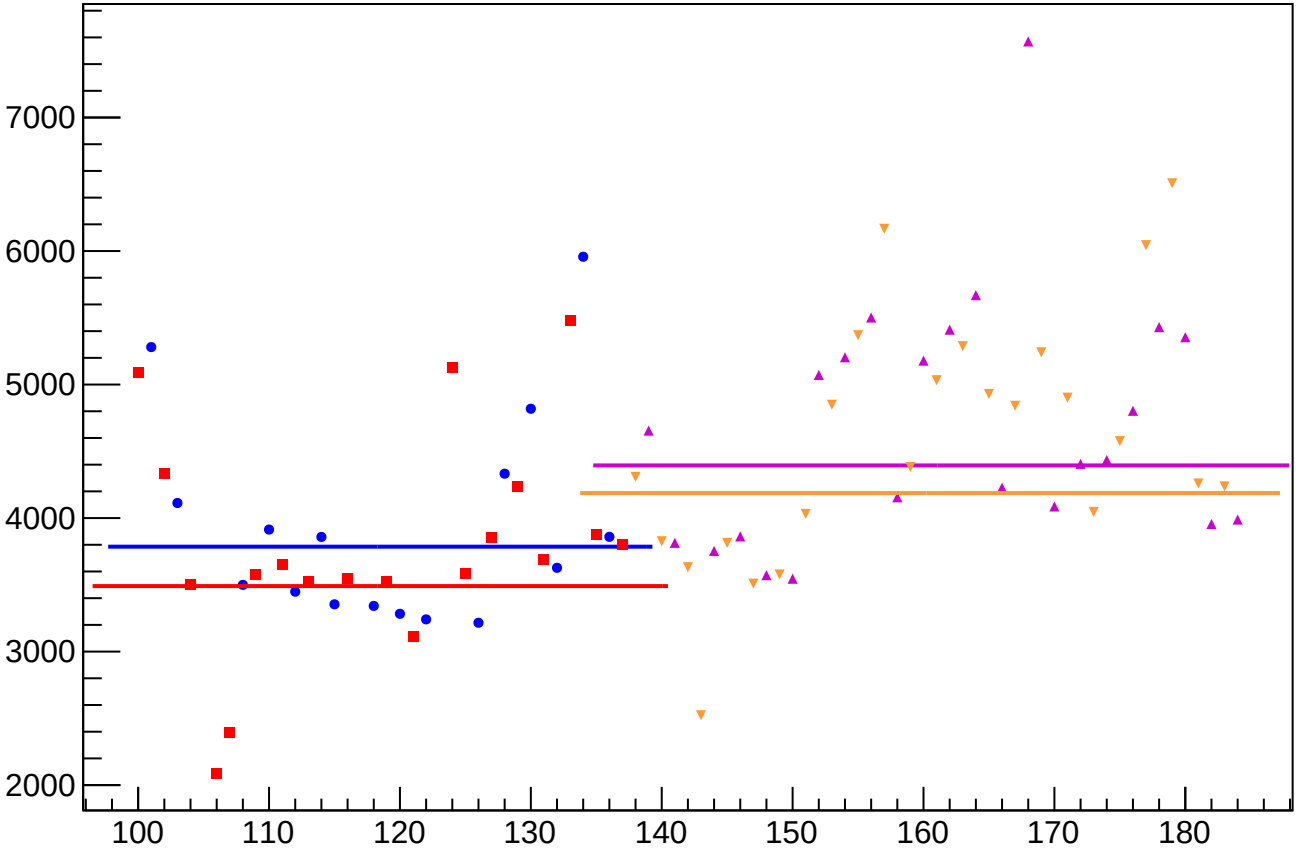
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -52.793+/-812.471 χ^2/NDF: 43.9/39

All: 163.407+/-578.185 χ^2/NDF: 69.6/81

- sign 385.239+/-822.983 χ^2/NDF: 25.6/41

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

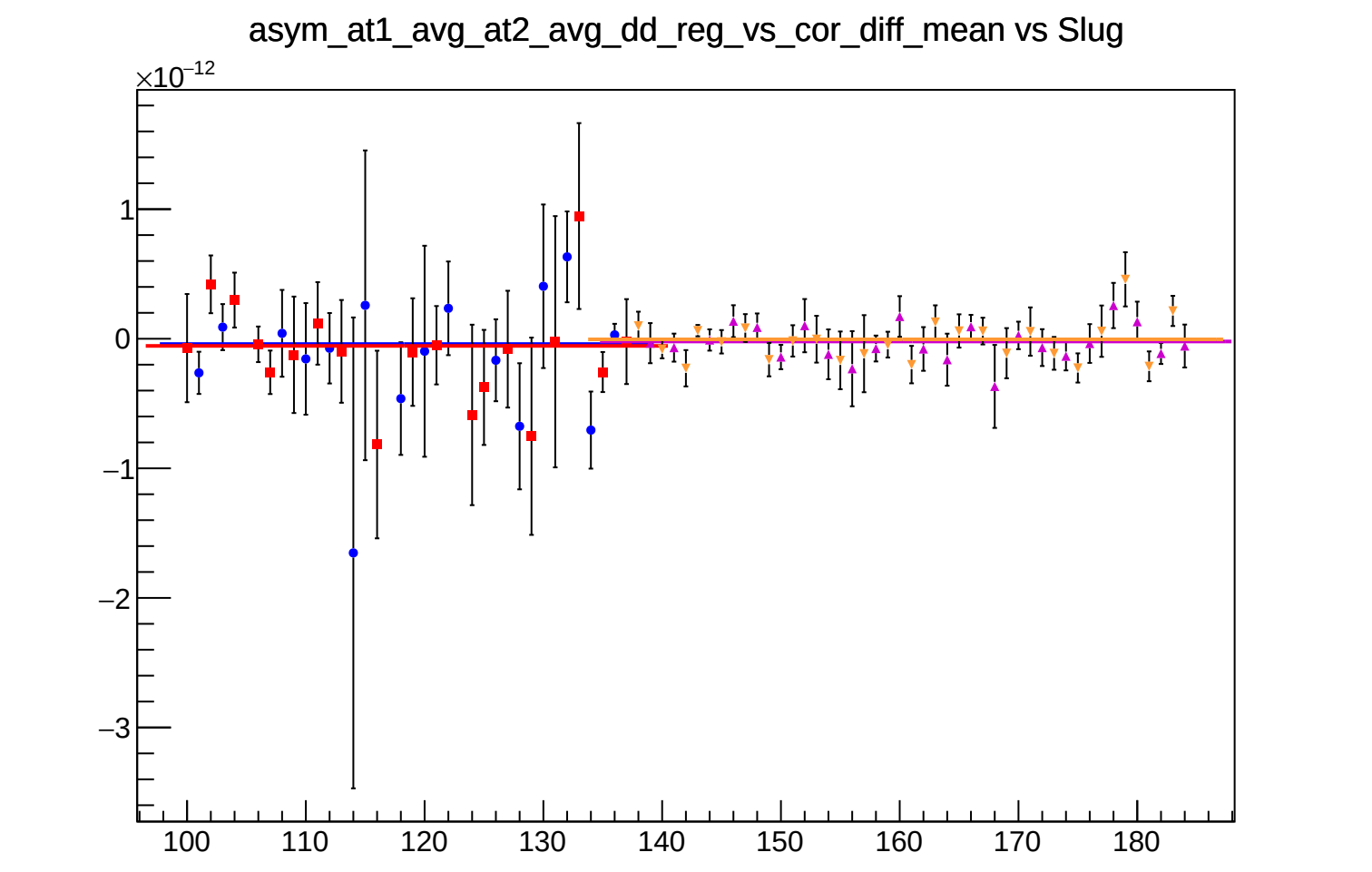
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4058.054+/-0.575 χ^2/NDF: 2286028.2/39

All: 4051.860+/-0.408 χ^2/NDF: 4538921.1/81

- sign 4045.571+/-0.579 χ^2/NDF: 2252658.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/23

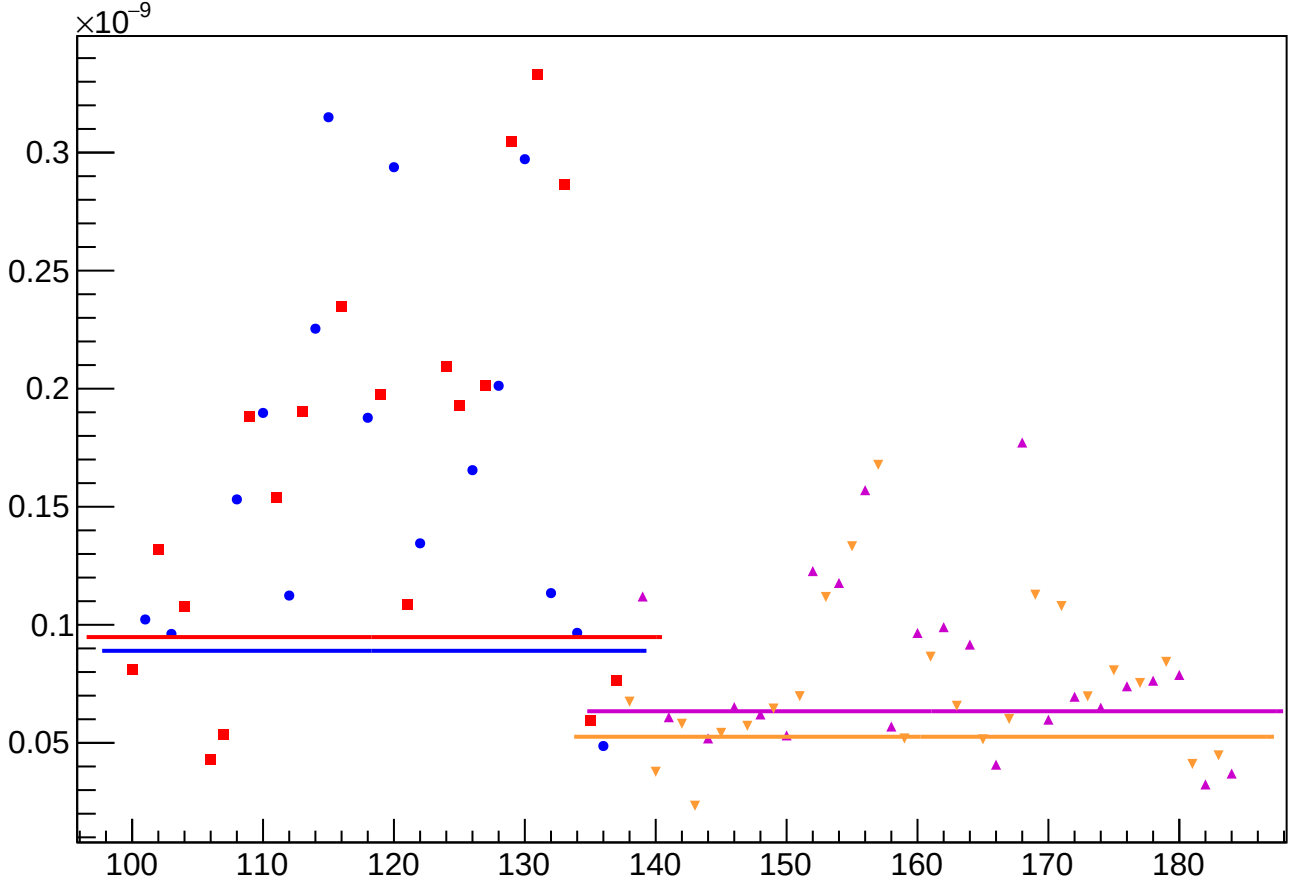
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/39

All: -0.000+/-0.000 χ^2/NDF: 80.6/81

- sign -0.000+/-0.000 χ^2/NDF: 33.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2623647.7/23

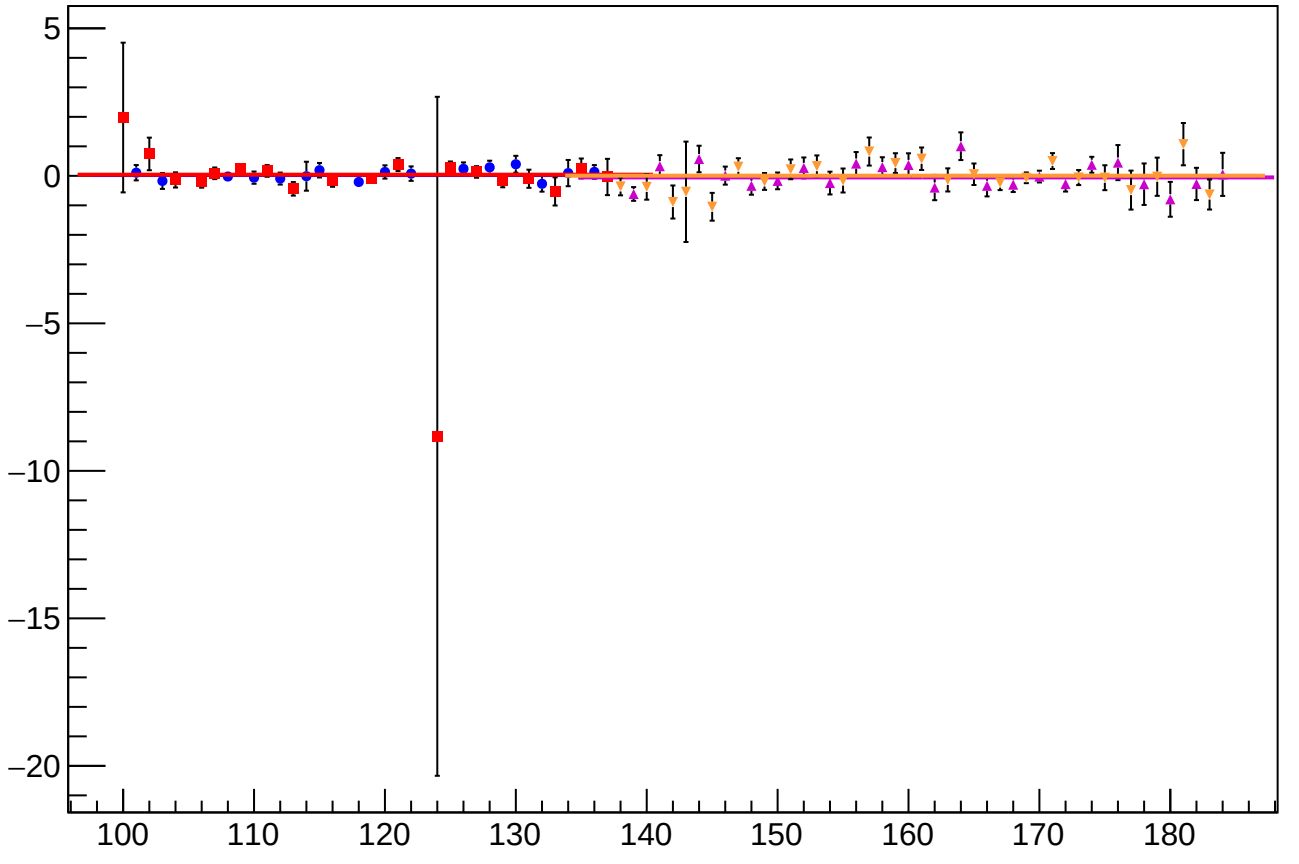
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4750374.6/39

All: 0.000+/-0.000 χ^2/NDF: 8912820.2/81

- sign 0.000+/-0.000 χ^2/NDF: 3936195.9/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

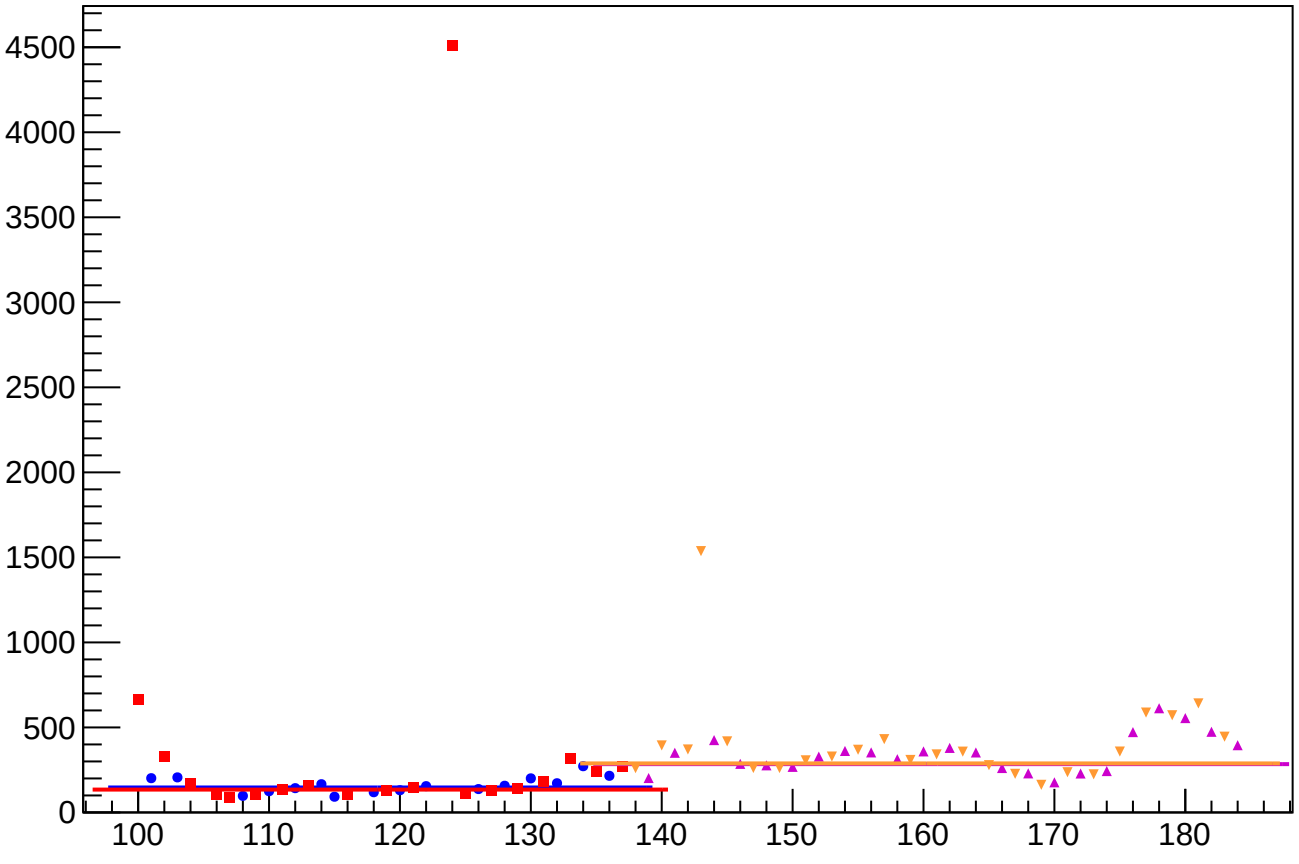
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



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

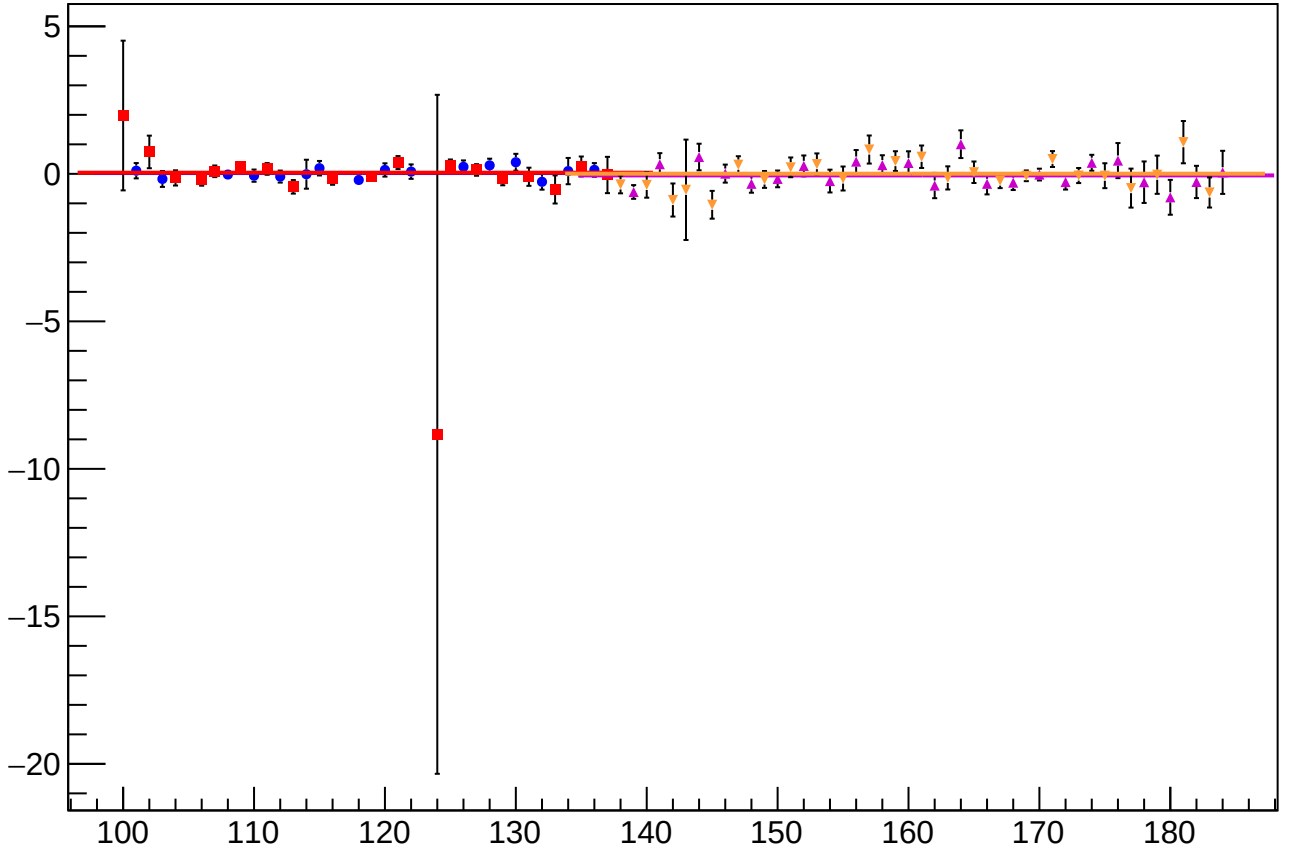
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81

- sign 190.942+/-0.031 χ^2/NDF: 10313563.7/41

asym_at1_avg_at2_avg_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

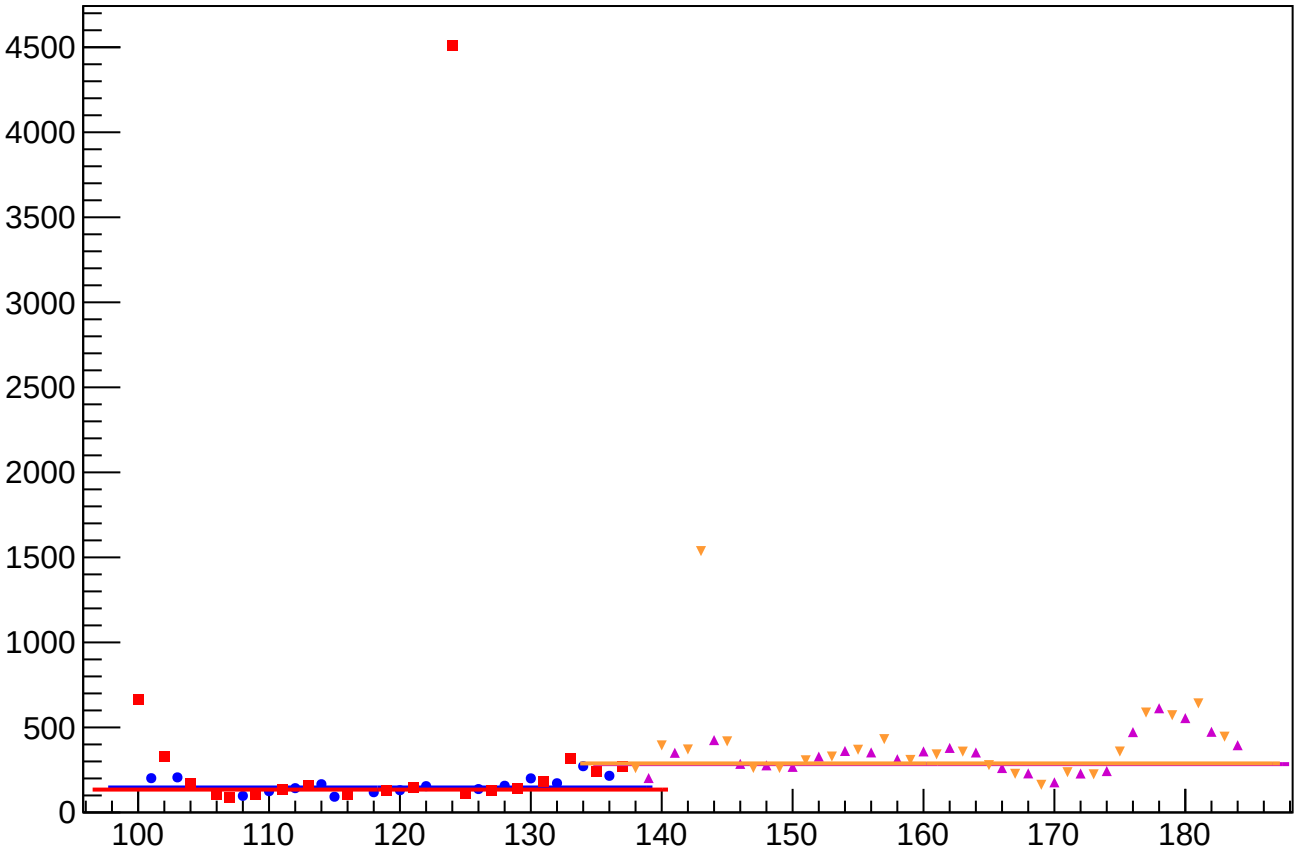
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

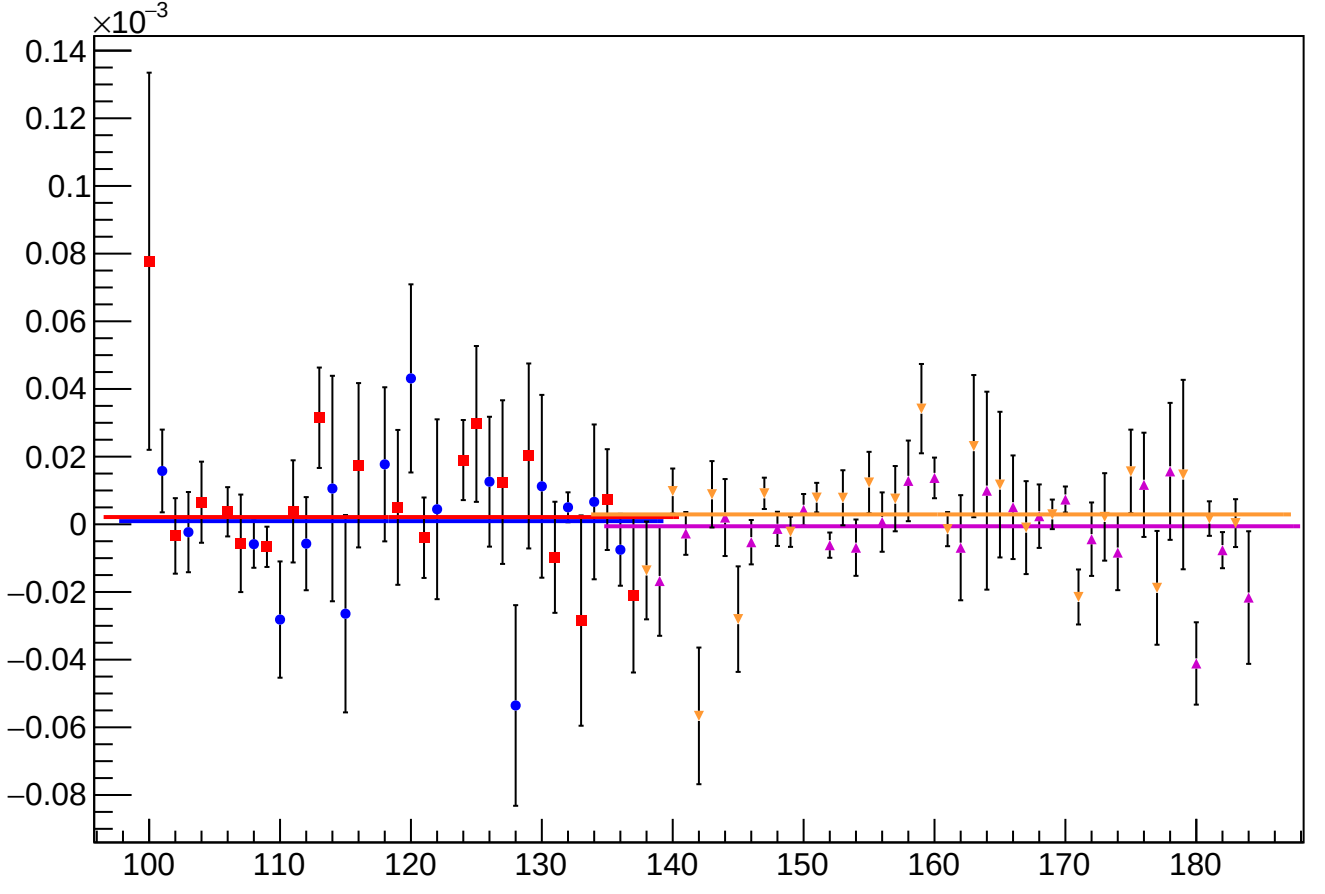
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81

- sign 190.942+/-0.031 χ^2/NDF: 10313563.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/23

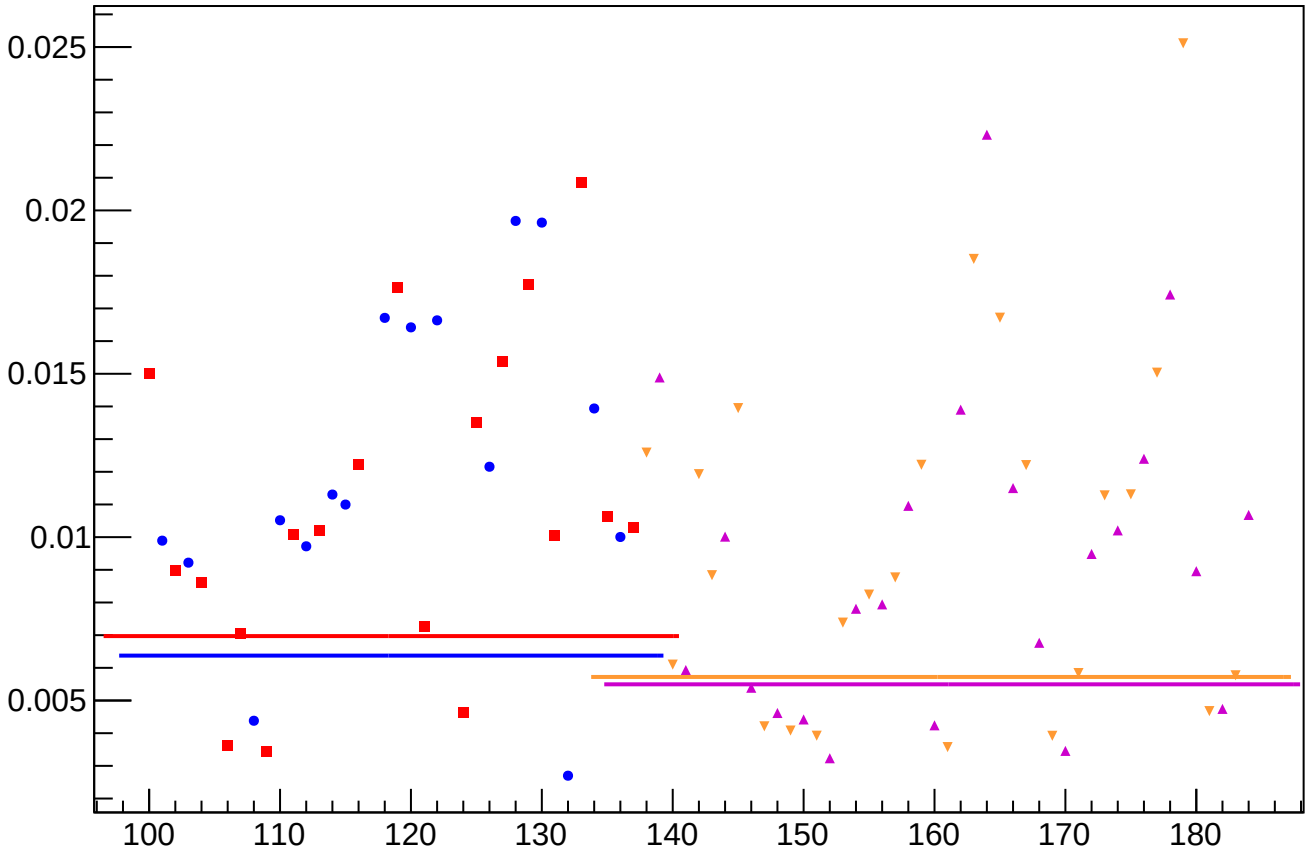
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/39

All: 0.000+/-0.000 χ^2/NDF: 108.0/81

- sign -0.000+/-0.000 χ^2/NDF: 49.9/41



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7997892.5/23

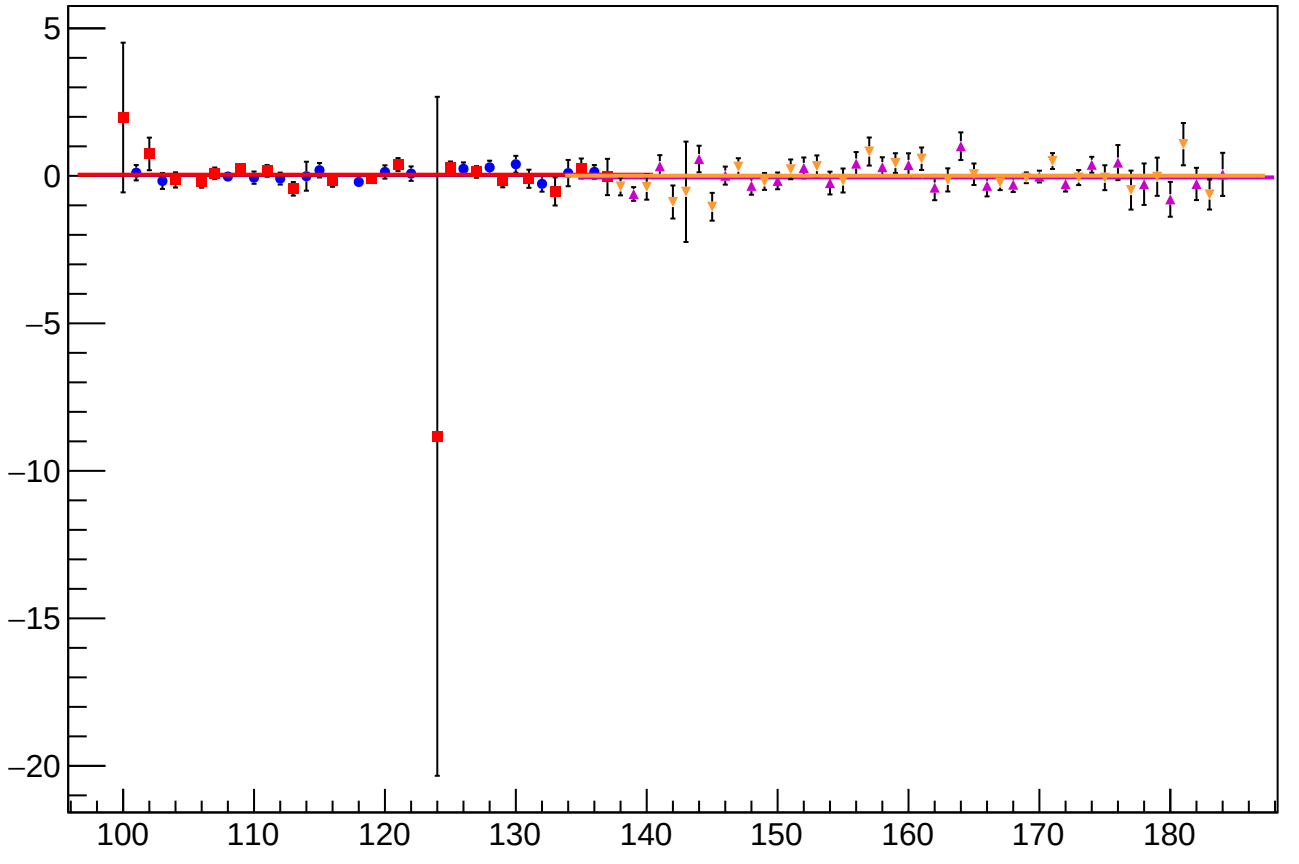
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12715993.1/39

All: 0.006+/-0.000 χ^2/NDF: 23448540.6/81

- sign 0.006+/-0.000 χ^2/NDF: 10730107.5/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

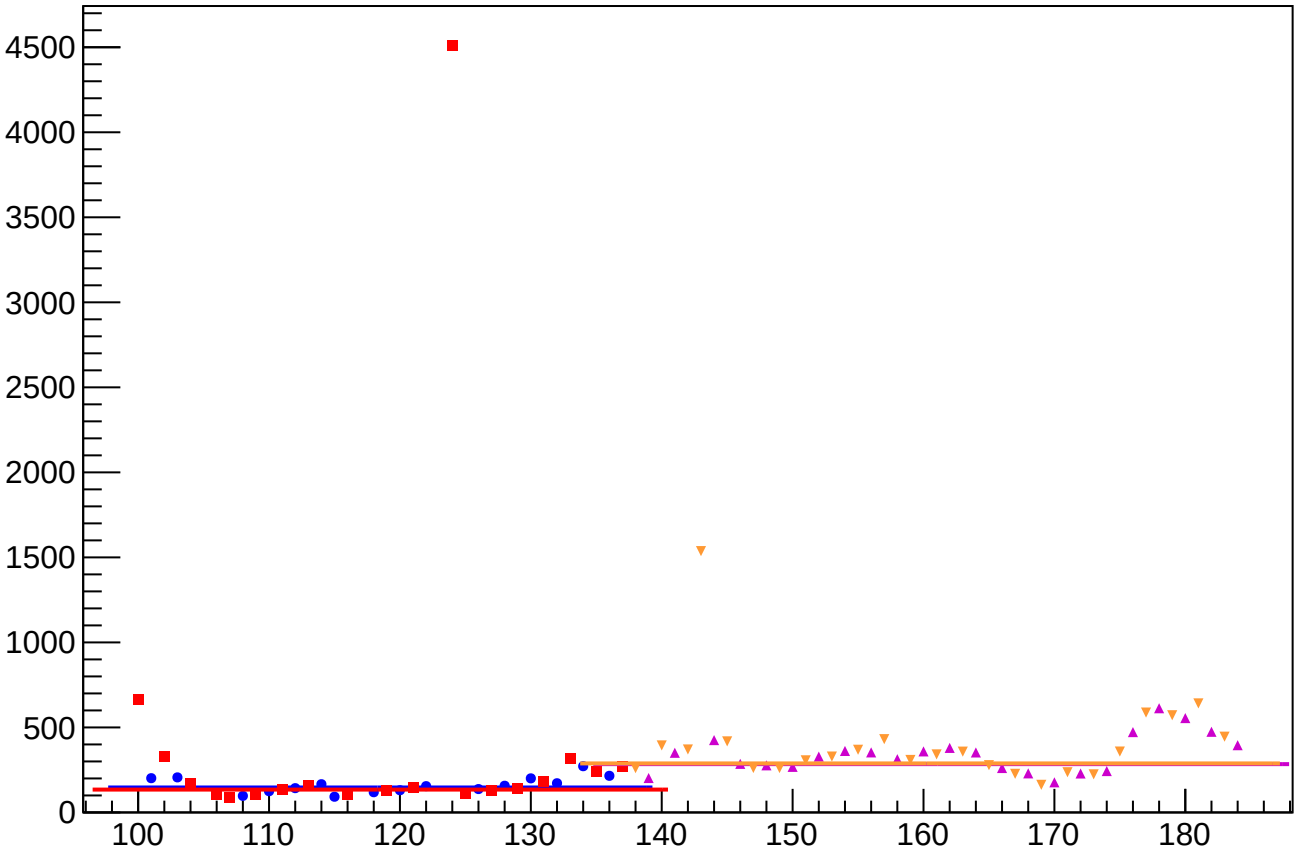
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



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

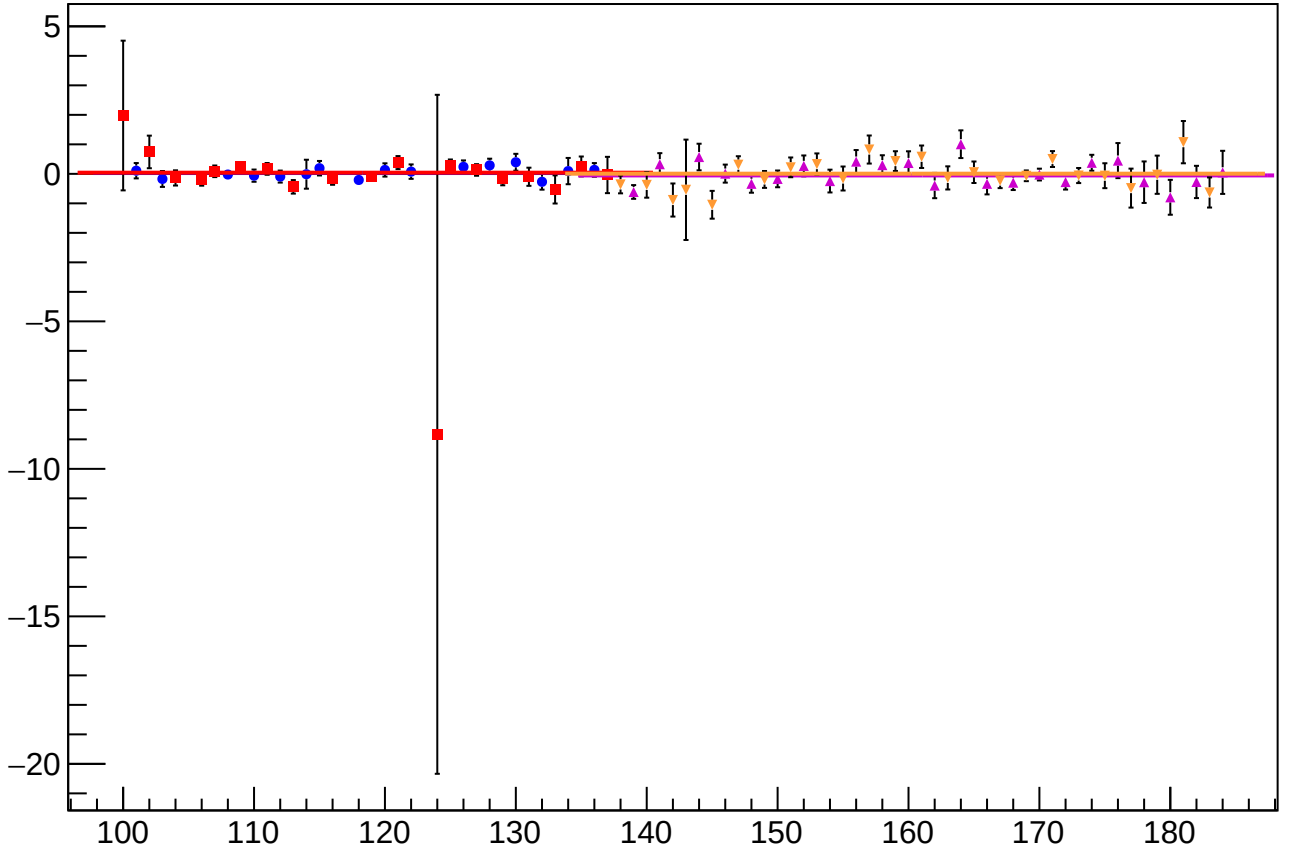
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81

- sign 190.943+/-0.031 χ^2/NDF: 10313538.5/41

asym_at1_avg_at2_avg_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

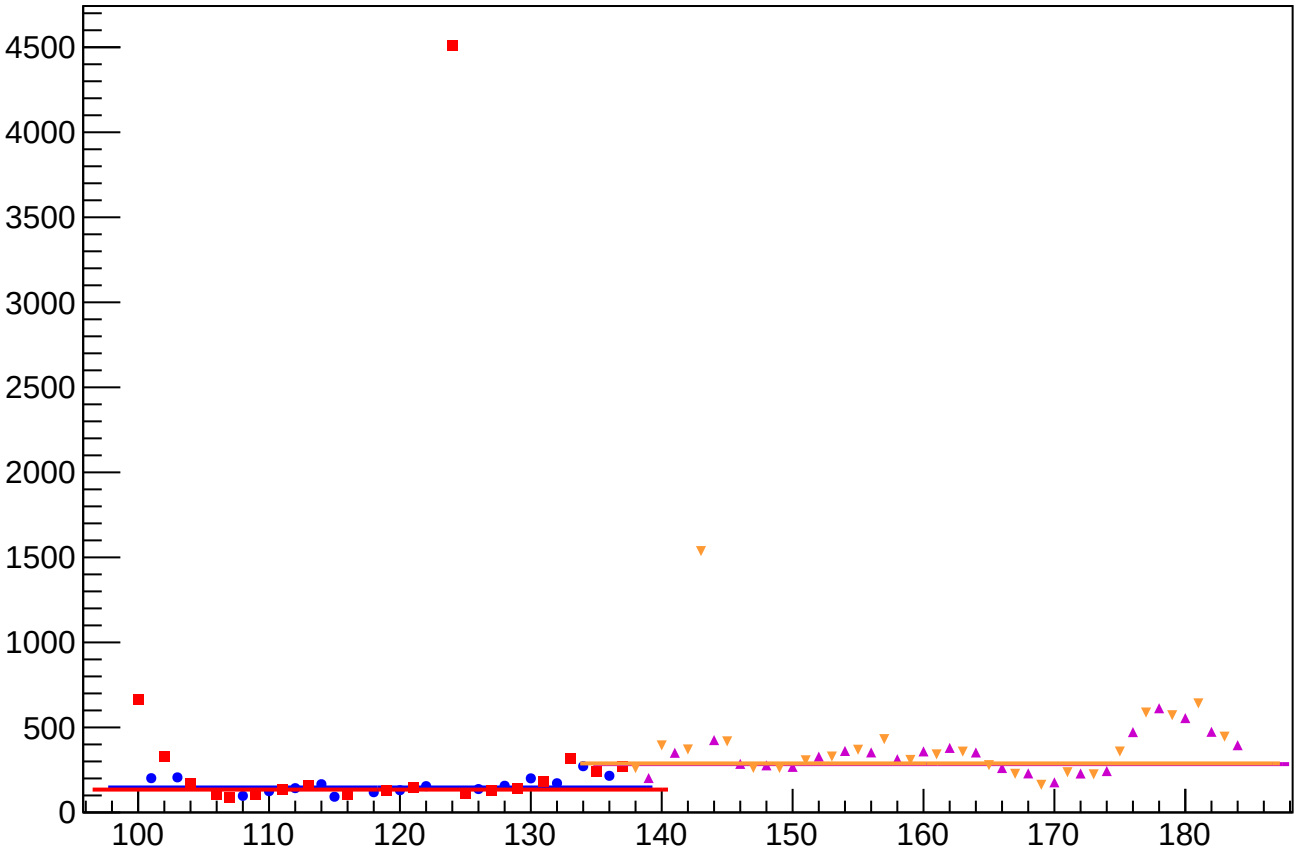
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636246.5/23

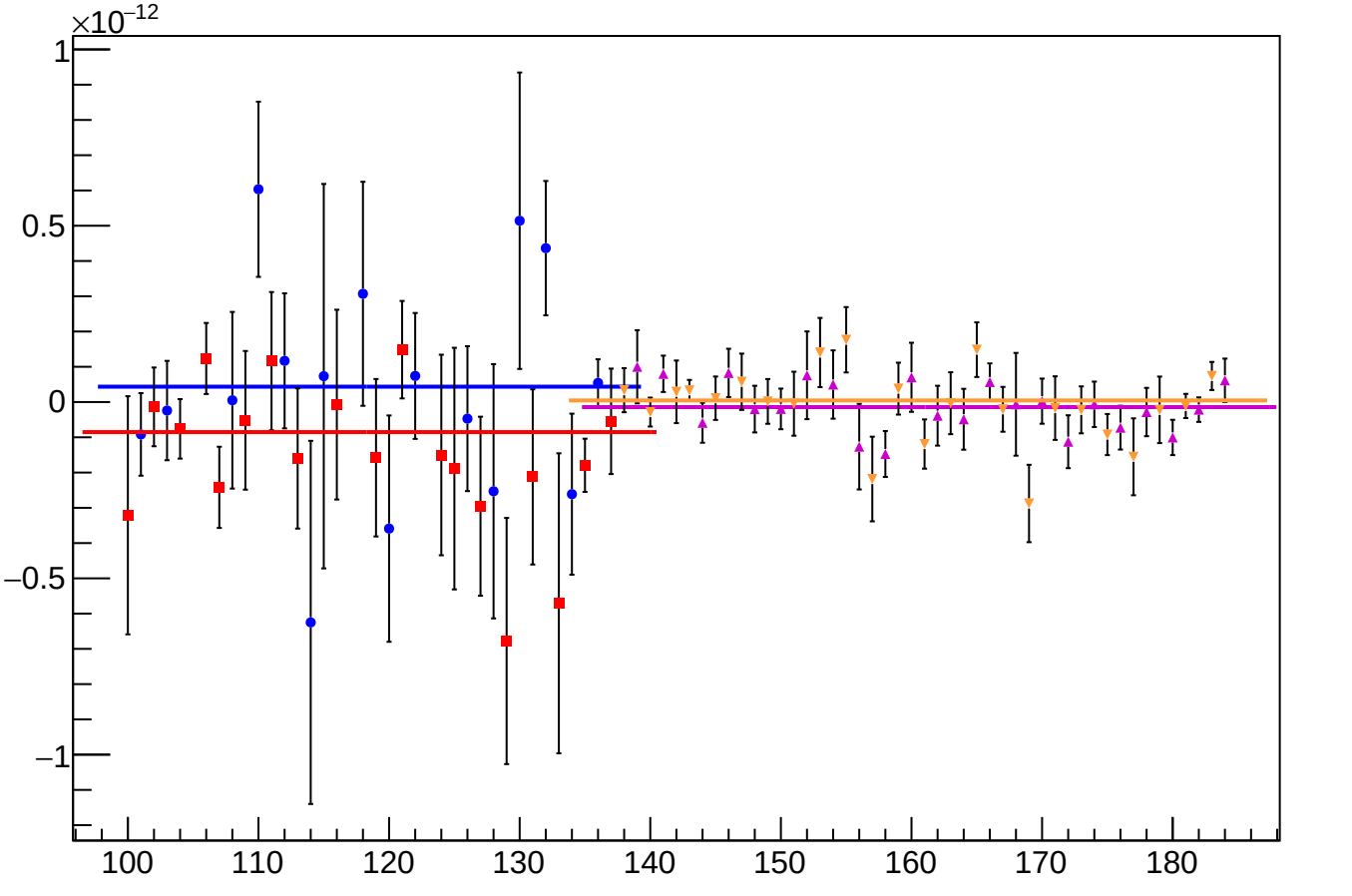
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81

- sign 190.943+/-0.031 χ^2/NDF: 10313538.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/23

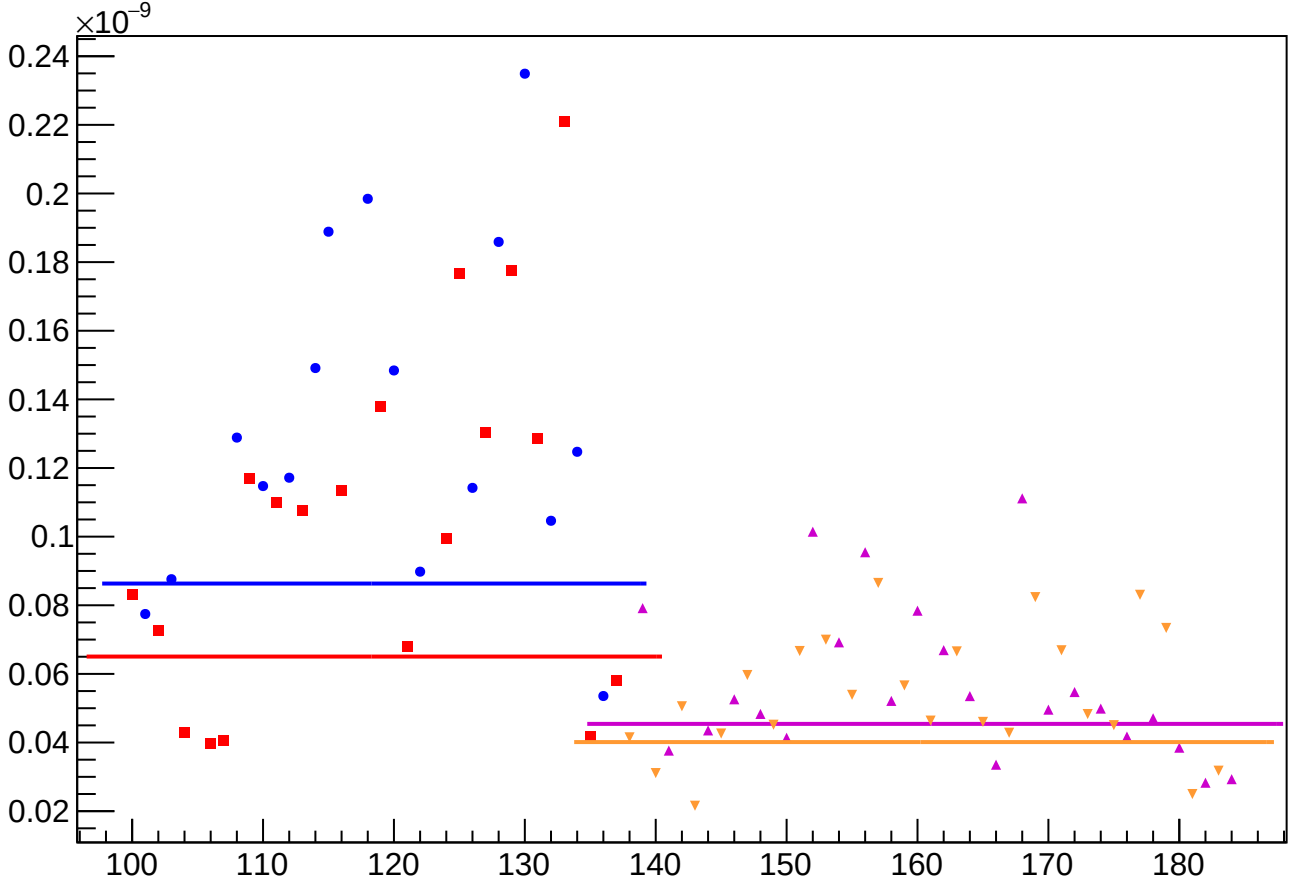
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/39

All: -0.000+/-0.000 χ^2/NDF: 101.8/81

- sign -0.000+/-0.000 χ^2/NDF: 45.1/41



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

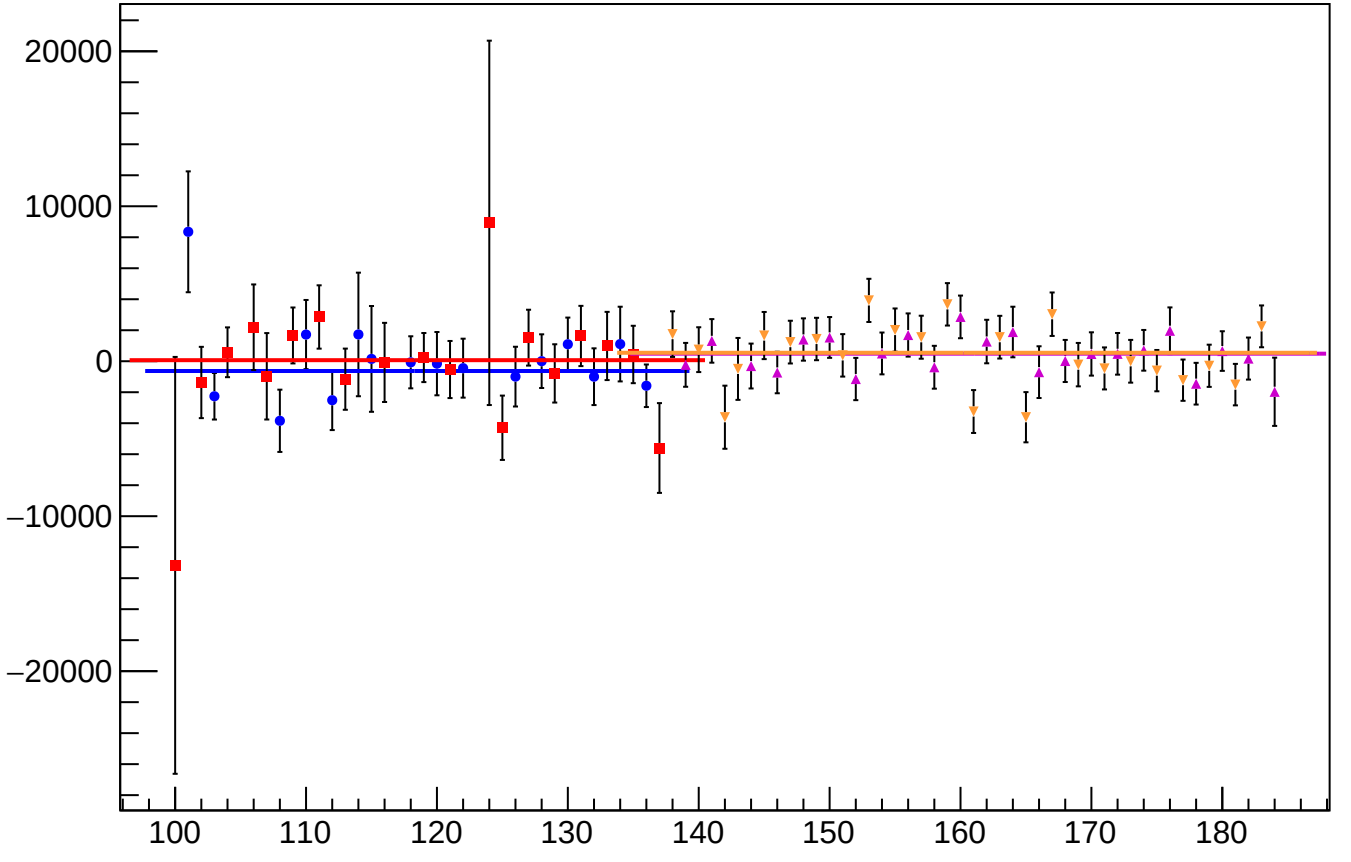
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7331572.3/39

All: 0.000+/-0.000 χ^2/NDF: 12967099.7/81

- sign 0.000+/-0.000 χ^2/NDF: 5506628.4/41

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

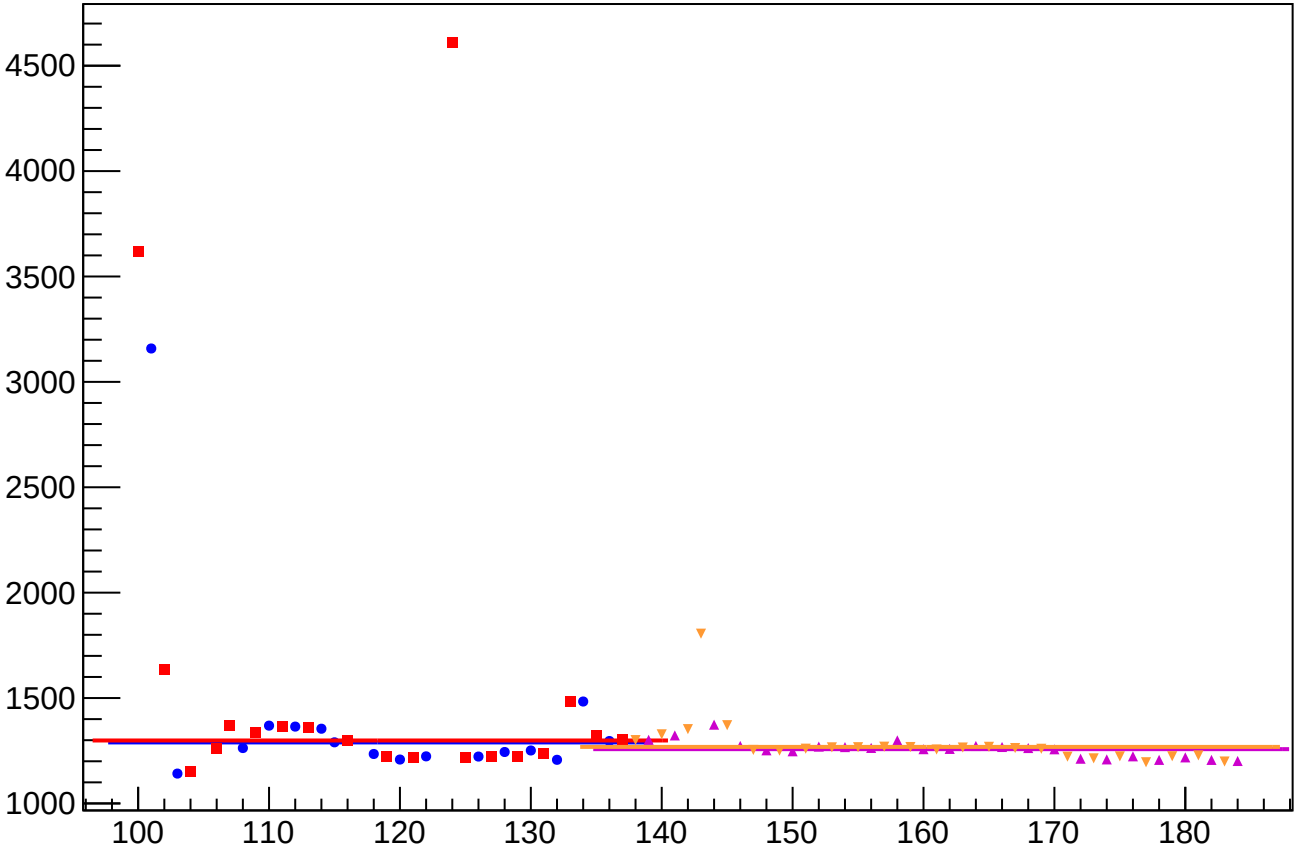
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 237.691+/-249.851 χ^2/NDF: 62.9/39

All: 305.973+/-177.304 χ^2/NDF: 93.9/81

- sign 375.242+/-251.651 χ^2/NDF: 30.8/41

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

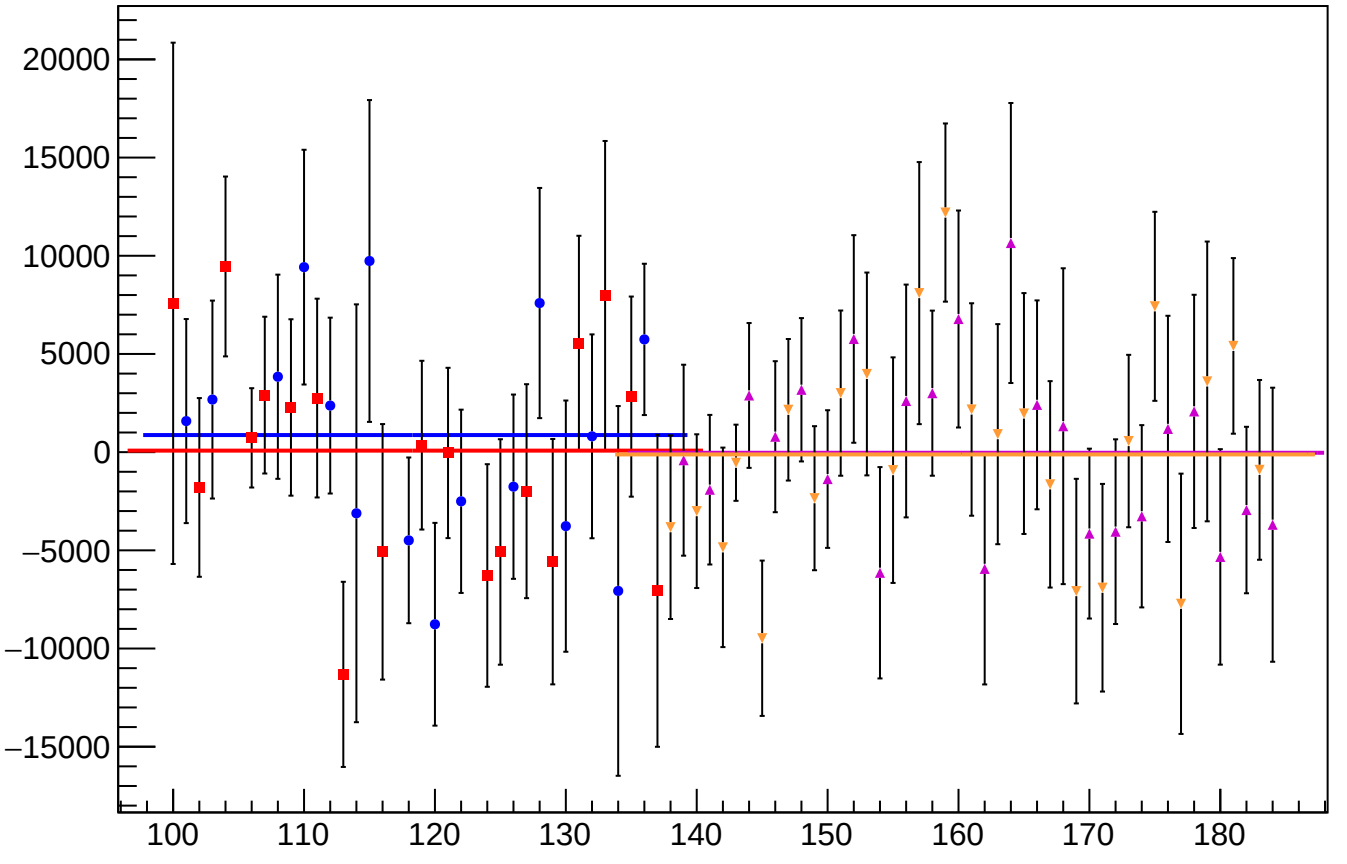
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.747+/-0.177 χ^2/NDF: 702735.6/39

All: 1271.158+/-0.125 χ^2/NDF: 1069822.0/81

- sign 1268.535+/-0.178 χ^2/NDF: 366654.0/41



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -115.787+/-892.046 χ^2/NDF:27.7/23

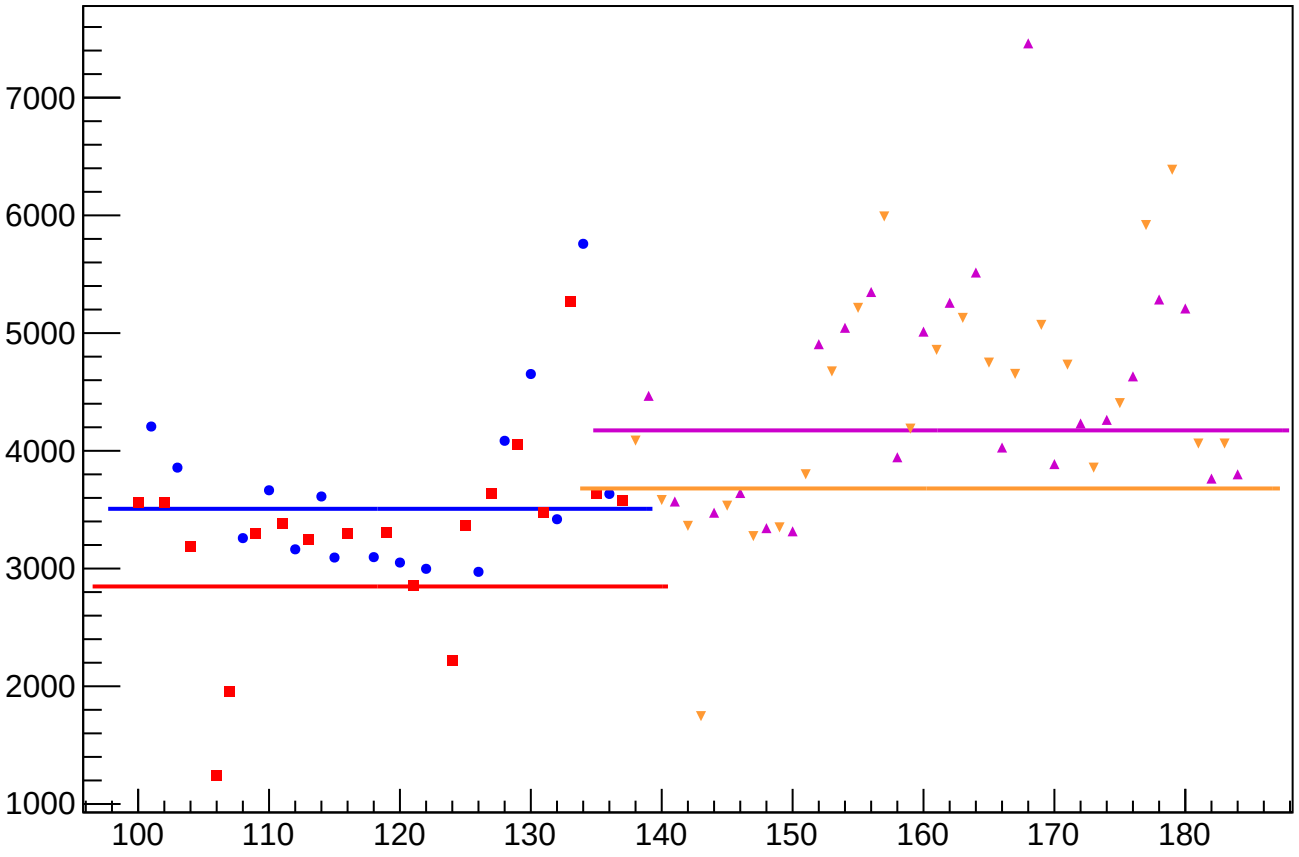
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

\+ sign 191.673+/-740.022 χ^2/NDF: 42.1/39

All: 104.445+/-523.750 χ^2/NDF: 74.6/81

\- sign 16.899+/-741.367 χ^2/NDF: 32.4/41



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

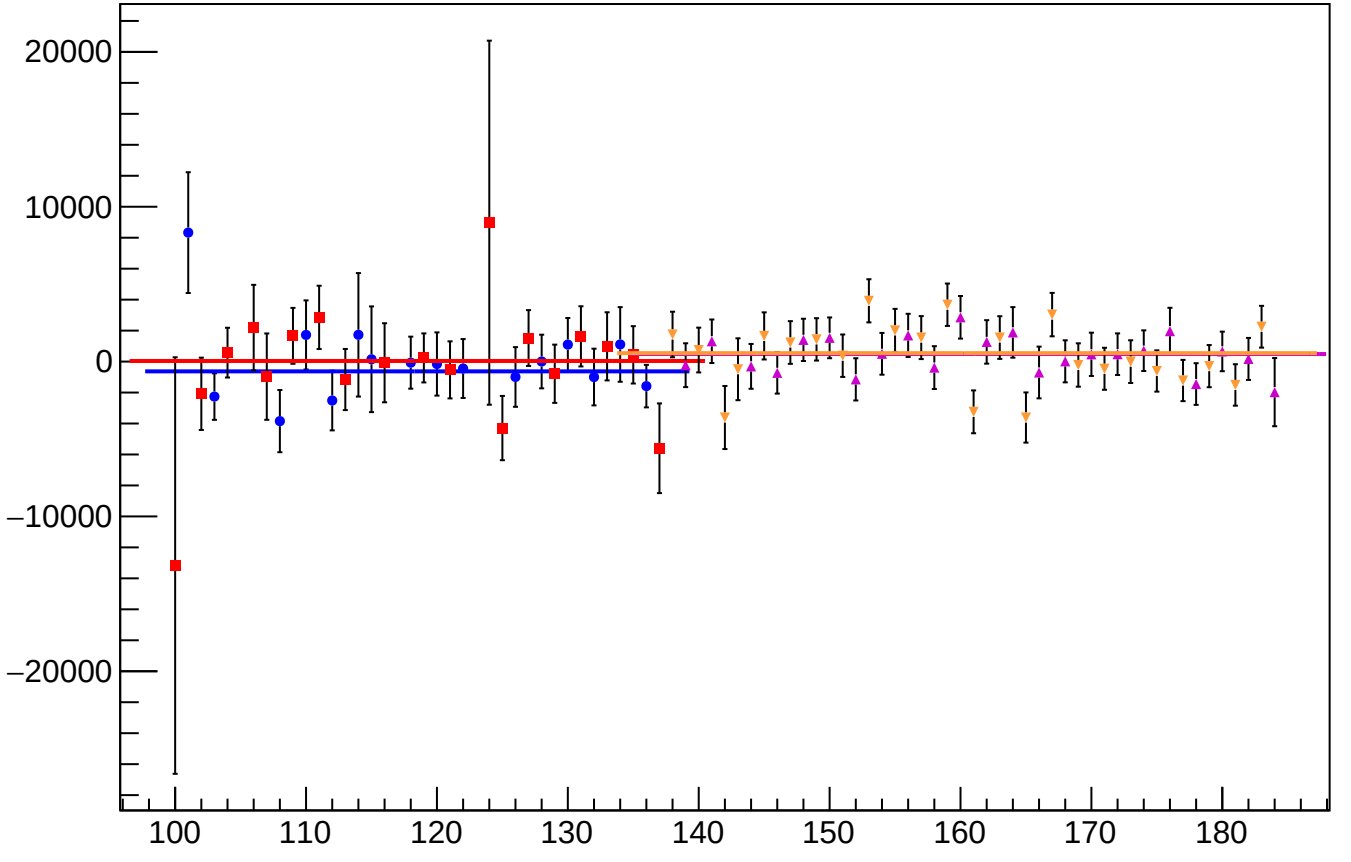
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3626.345+/-0.523 χ^2/NDF: 4066879.3/39

All: 3604.866+/-0.370 χ^2/NDF: 8424266.0/81

- sign 3583.310+/-0.524 χ^2/NDF: 4354011.0/41

cor_asym_atl1r2_dd_atl2r1_dd_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

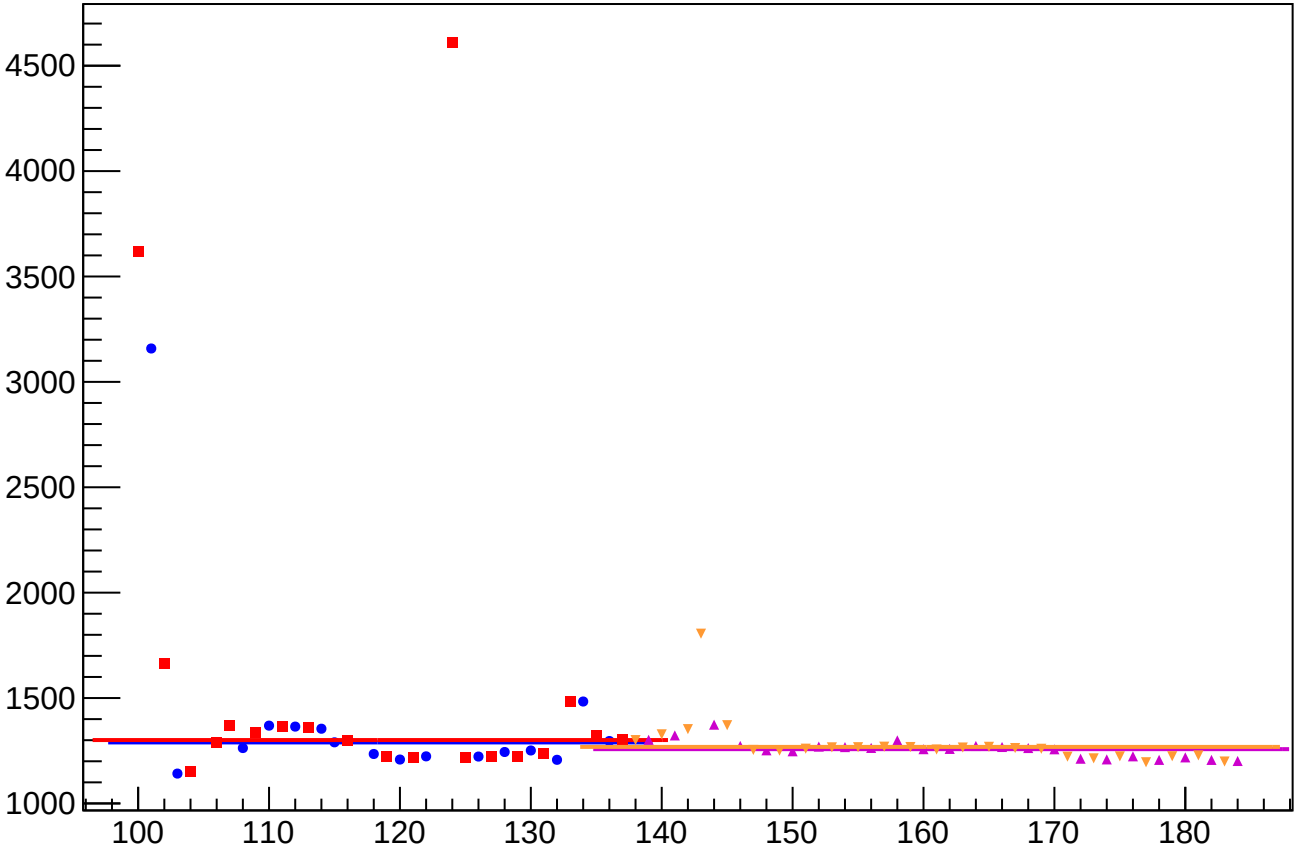
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 302.106+/-177.320 χ^2/NDF: 94.4/81

- sign 367.559+/-251.696 χ^2/NDF: 31.4/41

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

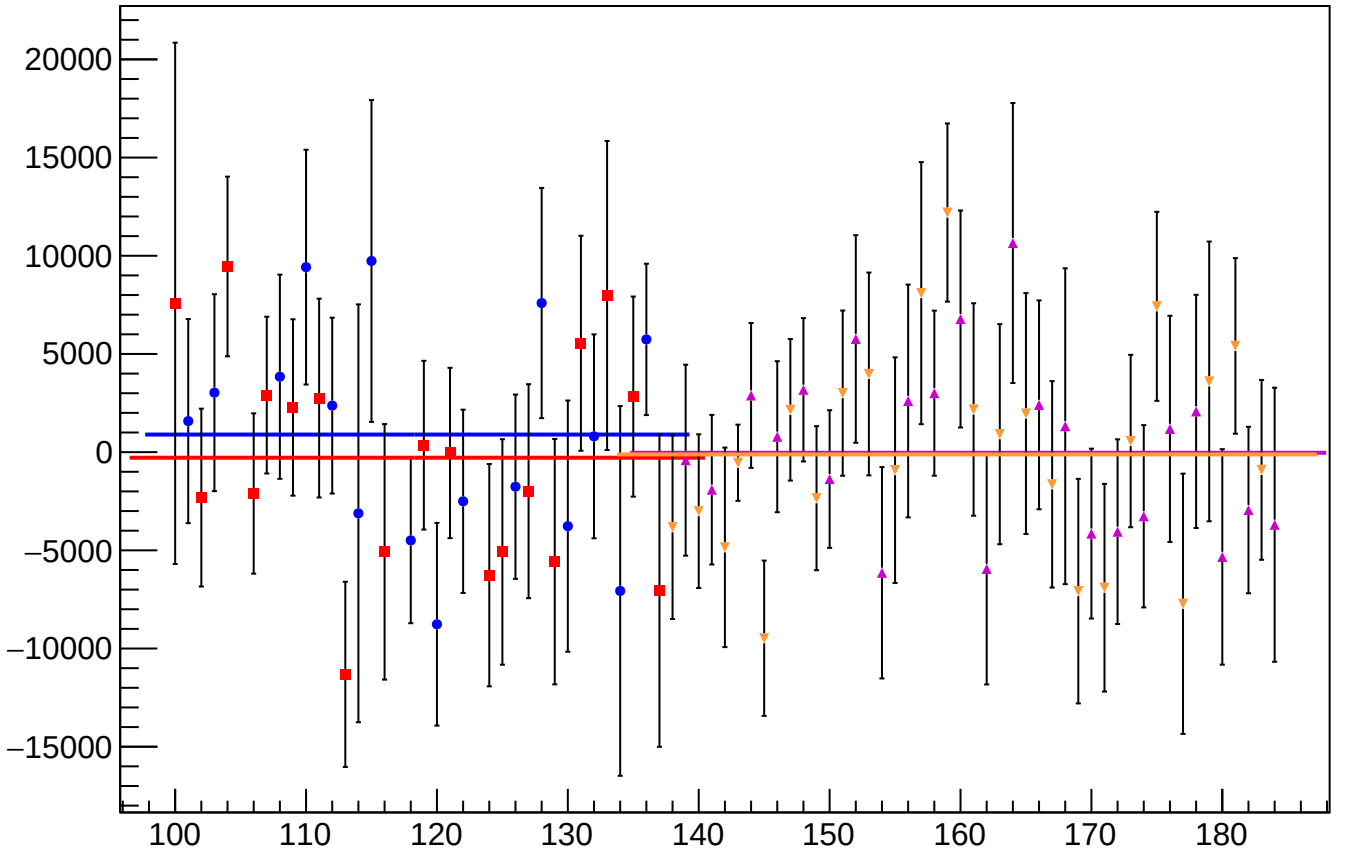
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81

- sign 1269.053+/-0.178 χ^2/NDF: 374220.7/41



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -115.719+/-892.045 χ^2/NDF:27.7/23

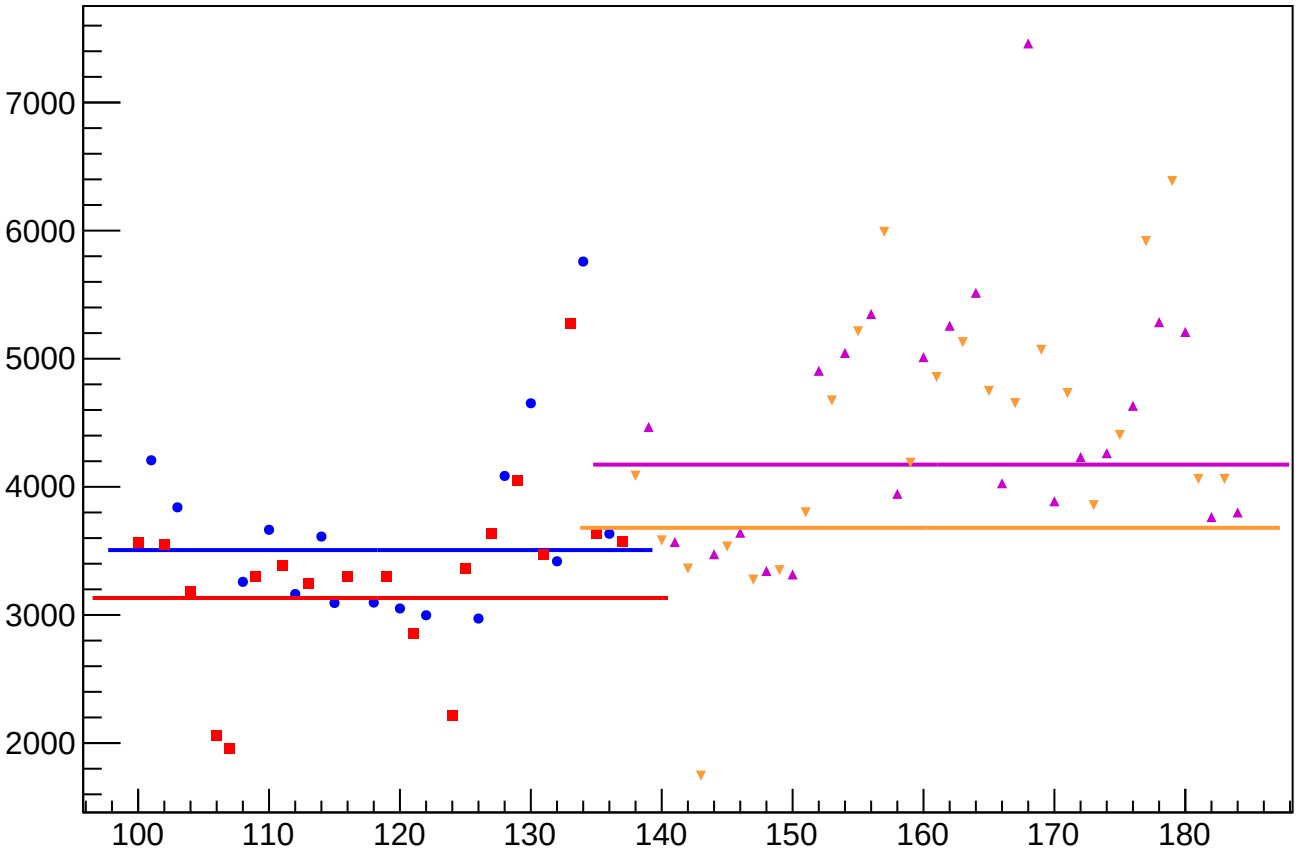
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 199.889+/-739.942 χ^2/NDF: 42.2/39

All: 36.715+/-530.734 χ^2/NDF: 75.0/81

- sign -136.182+/-761.672 χ^2/NDF: 32.7/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

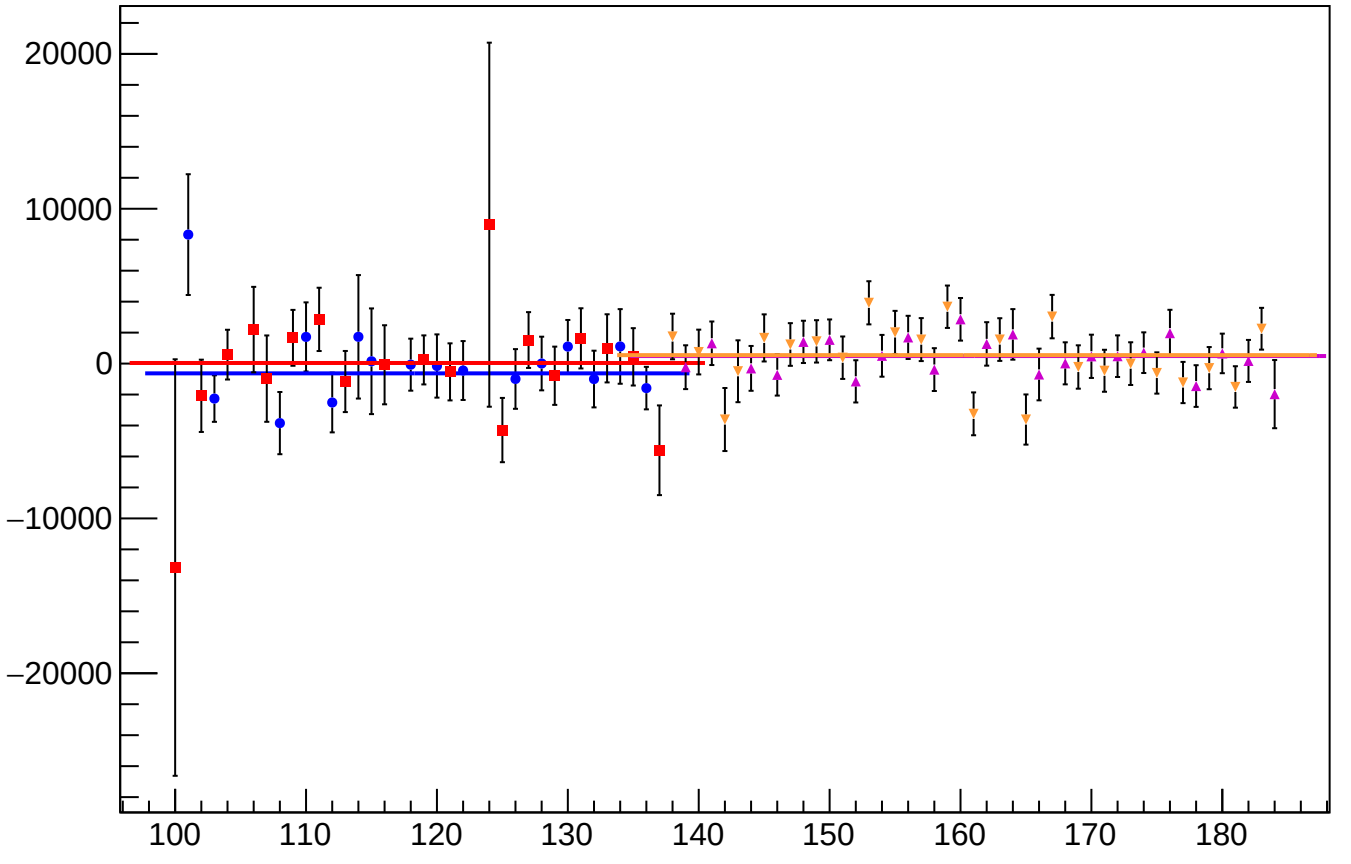
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81

- sign 3742.154+/-0.539 χ^2/NDF: 2831129.9/41



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

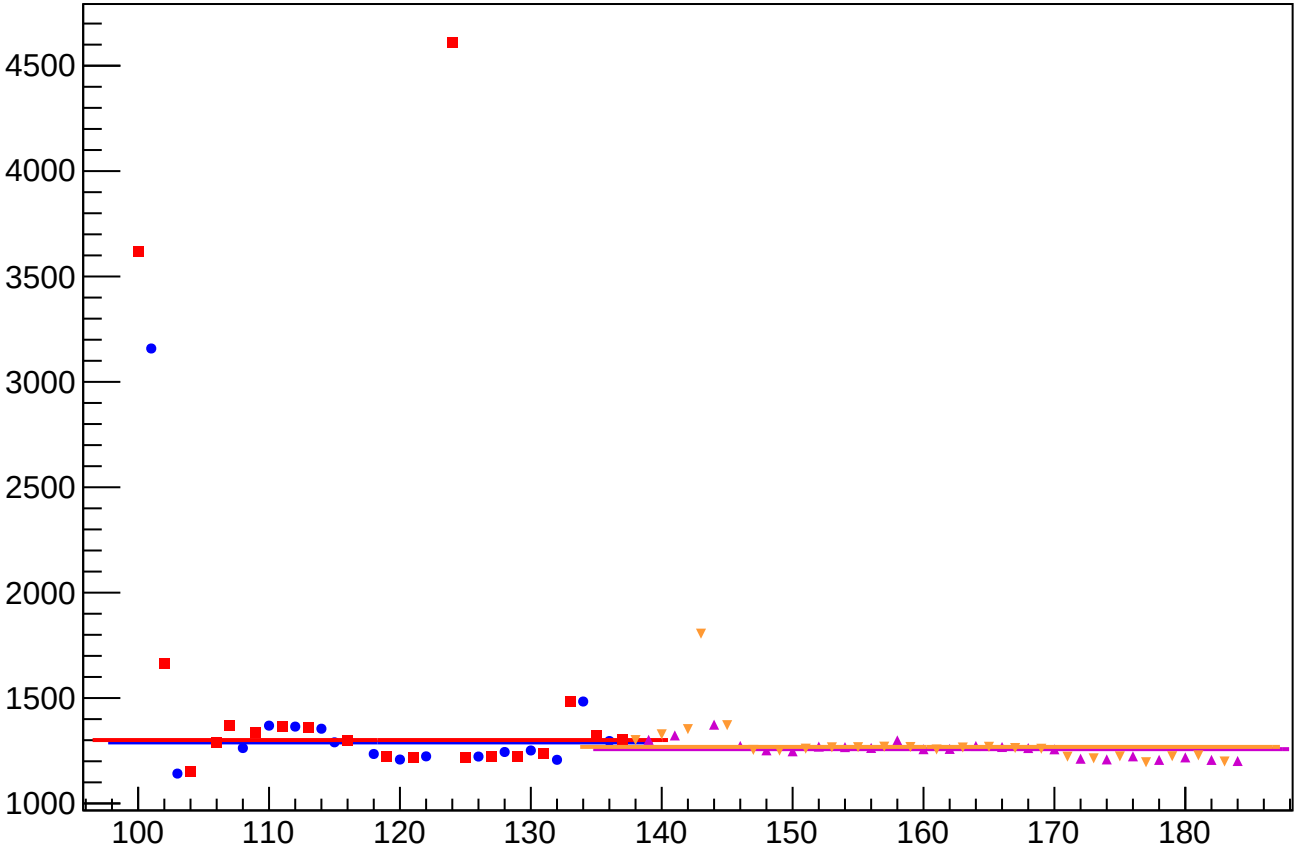
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 237.608+/-249.851 χ^2/NDF: 62.9/39

All: 302.106+/-177.320 χ^2/NDF: 94.4/81

- sign 367.559+/-251.696 χ^2/NDF: 31.4/41

eigen_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

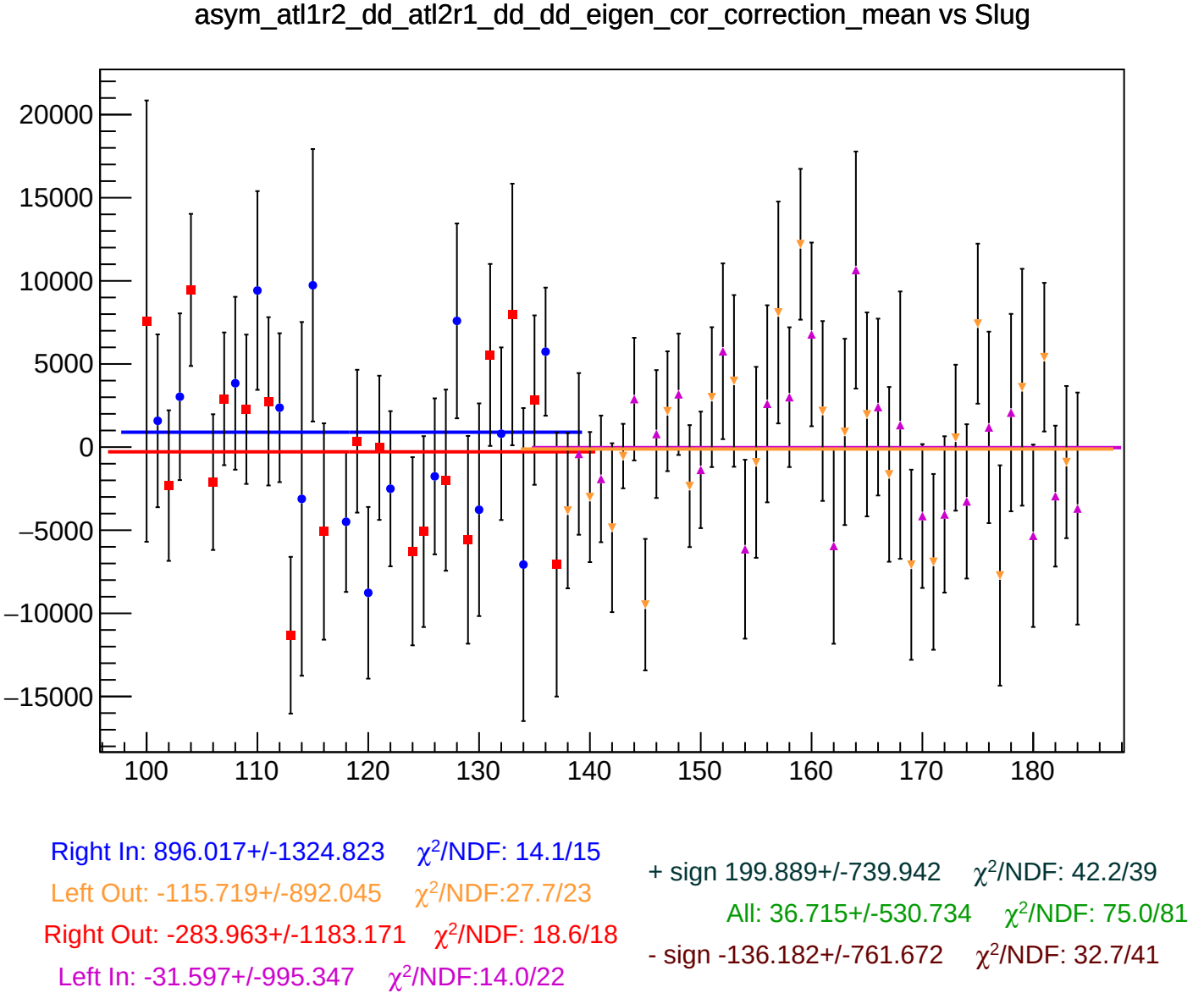
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

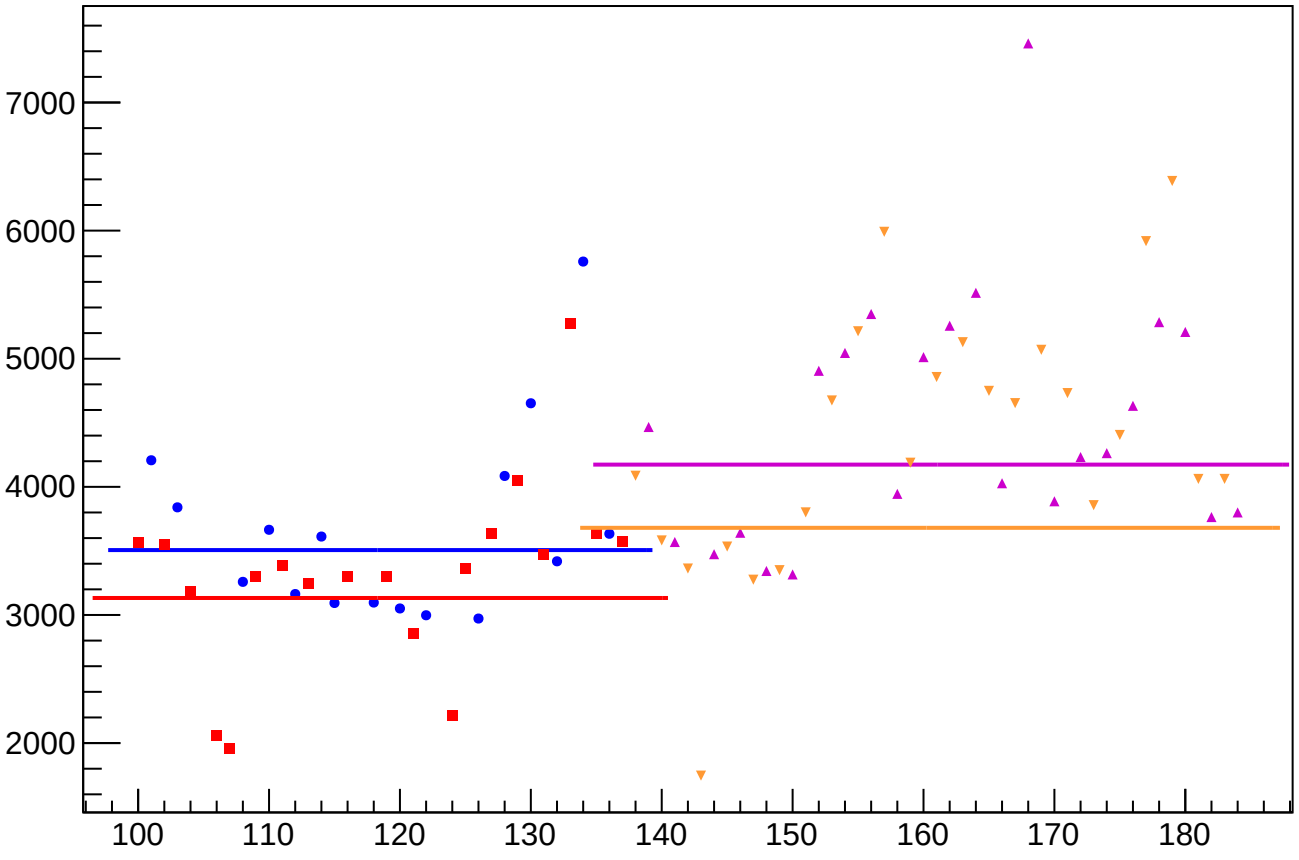
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.747+/-0.177 χ^2/NDF: 702737.0/39

All: 1271.416+/-0.125 χ^2/NDF: 1077308.3/81

- sign 1269.053+/-0.178 χ^2/NDF: 374220.7/41


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: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 199.889+/-739.942 χ²/NDF: 42.2/39
All: 36.715+/-530.734 χ²/NDF: 75.0/81
- sign -136.182+/-761.672 χ²/NDF: 32.7/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3680.229+/-0.631 χ^2/NDF:3689529.8/23

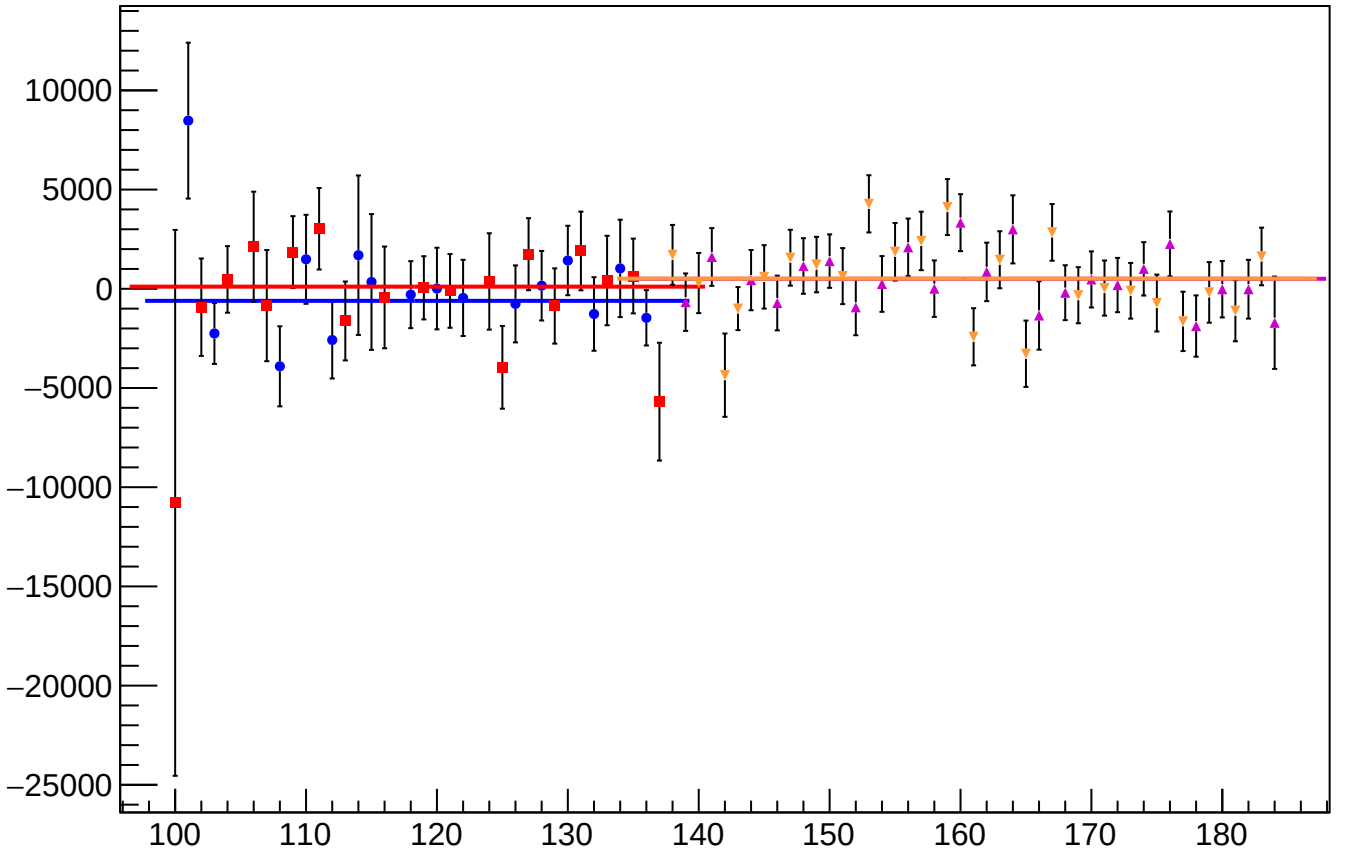
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3626.030+/-0.523 χ^2/NDF: 4066435.4/39

All: 3682.412+/-0.375 χ^2/NDF: 6921482.0/81

- sign 3742.154+/-0.539 χ^2/NDF: 2831129.9/41



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

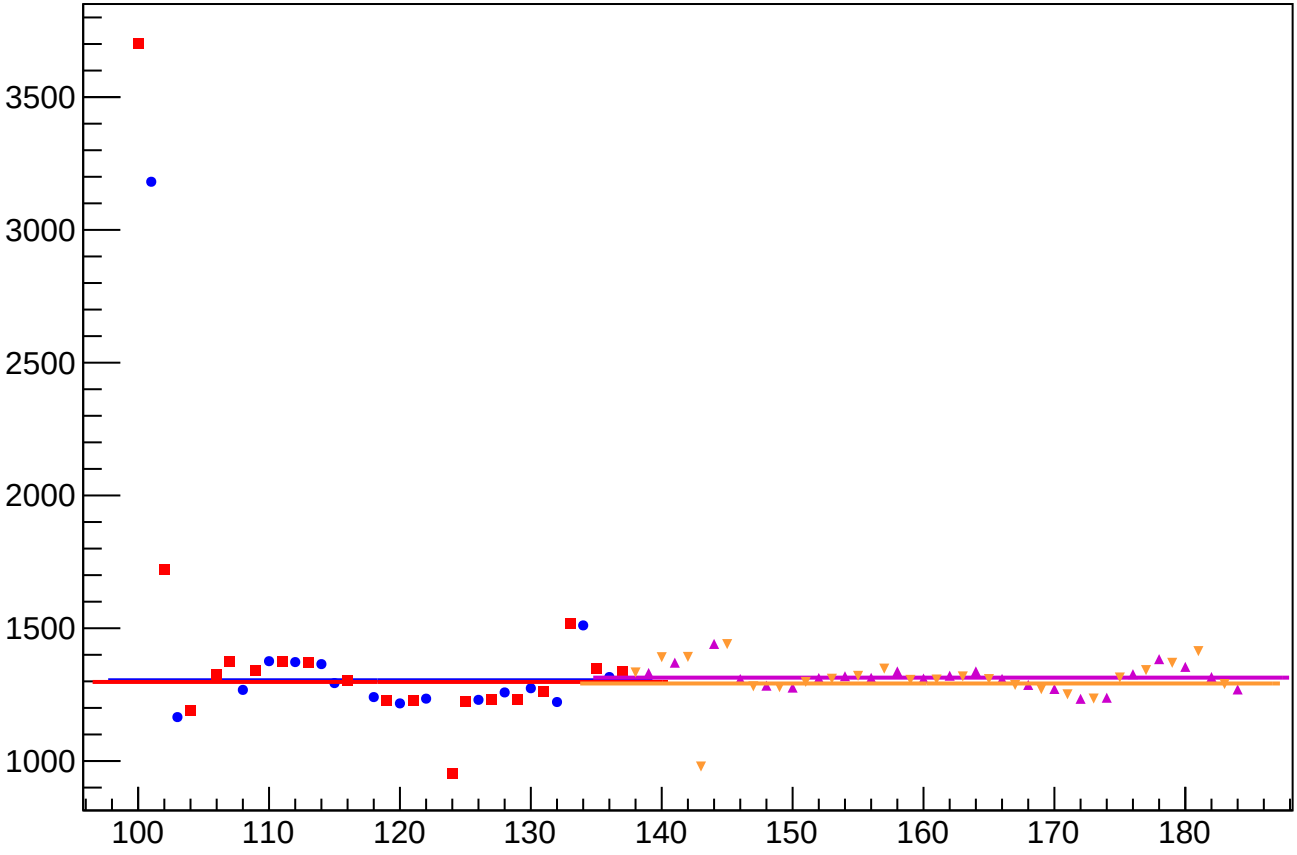
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 217.318+/-254.210 χ^2/NDF: 60.3/39

All: 302.235+/-181.601 χ^2/NDF: 93.3/81

- sign 390.735+/-259.518 χ^2/NDF: 32.8/41

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

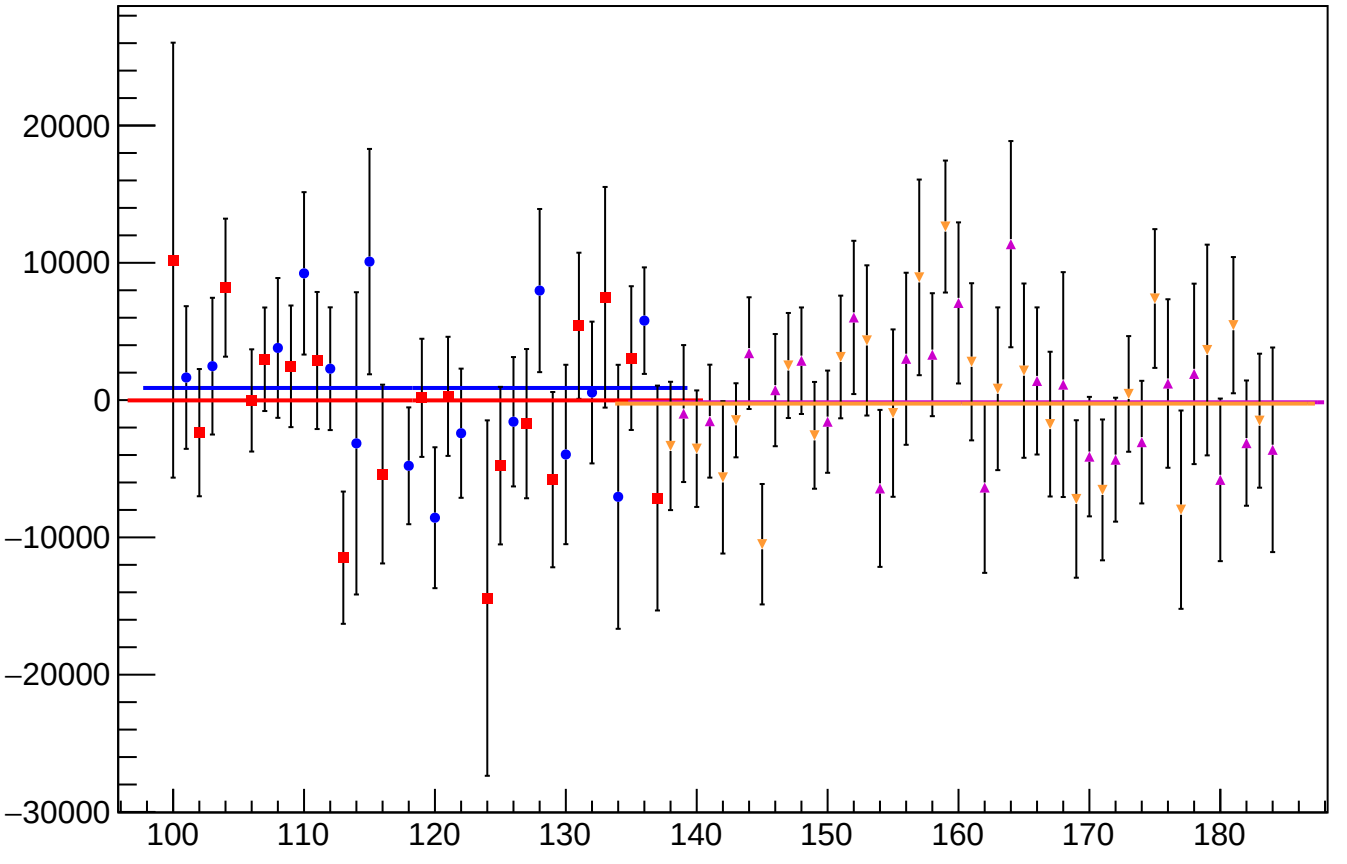
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.206+/-0.180 χ^2/NDF: 741227.2/39

All: 1302.143+/-0.128 χ^2/NDF: 1002003.8/81

- sign 1309.370+/-0.183 χ^2/NDF: 257735.5/41



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -254.197+/-983.675 χ^2/NDF:27.3/23

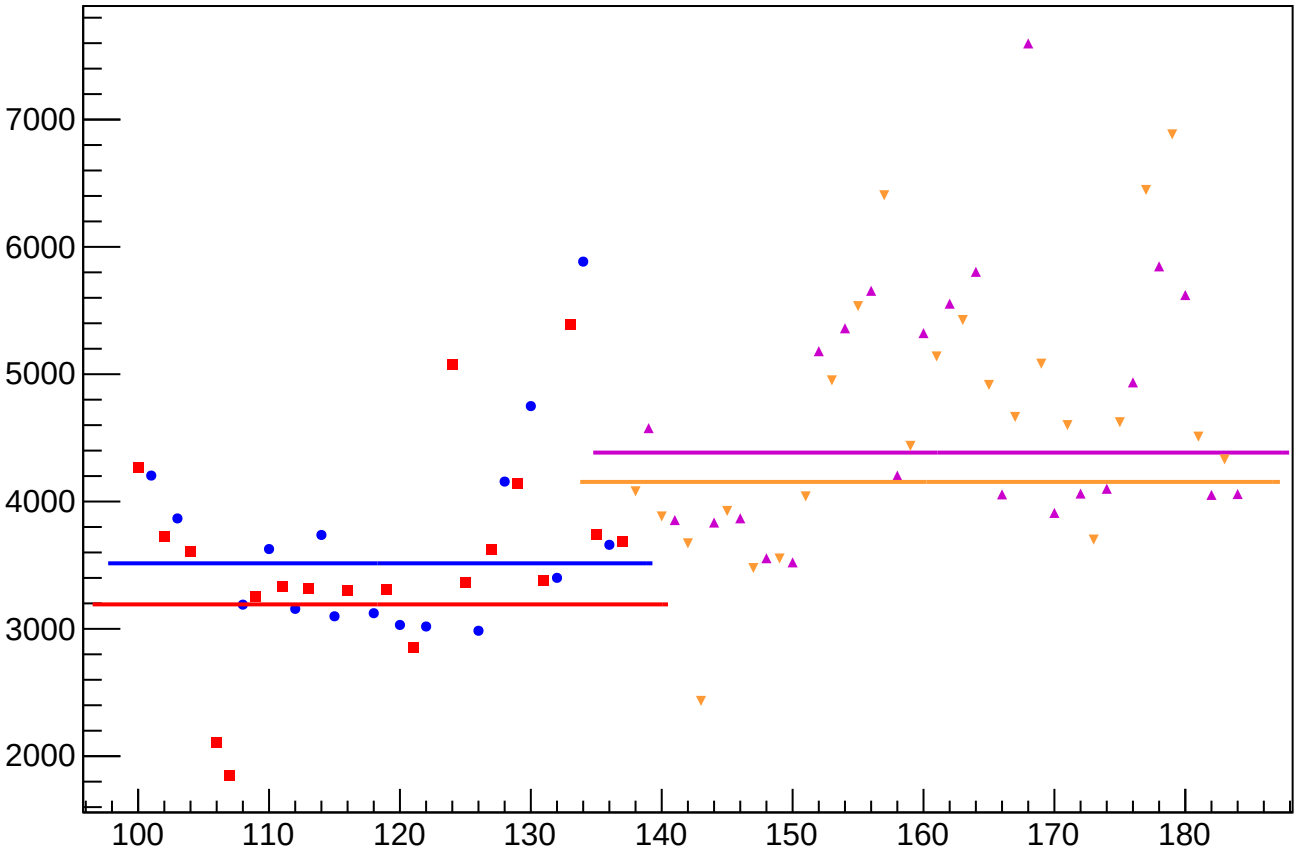
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 24.546+/-558.122 χ^2/NDF: 72.6/81

- sign -99.570+/-788.290 χ^2/NDF: 30.6/41



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4154.038+/-0.696 χ^2/NDF:2079742.1/23

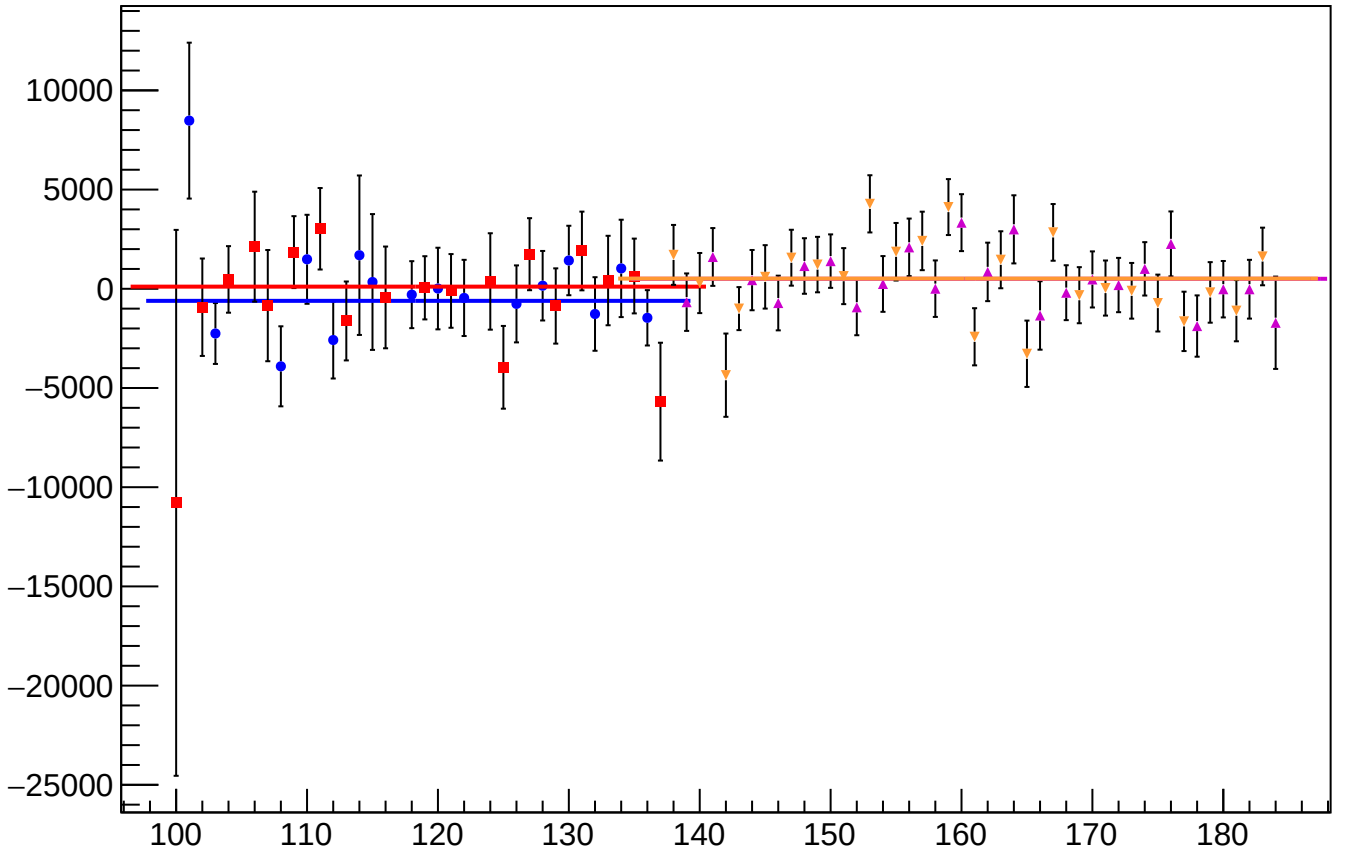
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3927.415+/-0.559 χ^2/NDF: 2754274.0/39

All: 3898.584+/-0.395 χ^2/NDF: 5909601.1/81

- sign 3869.901+/-0.557 χ^2/NDF: 3150017.5/41



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

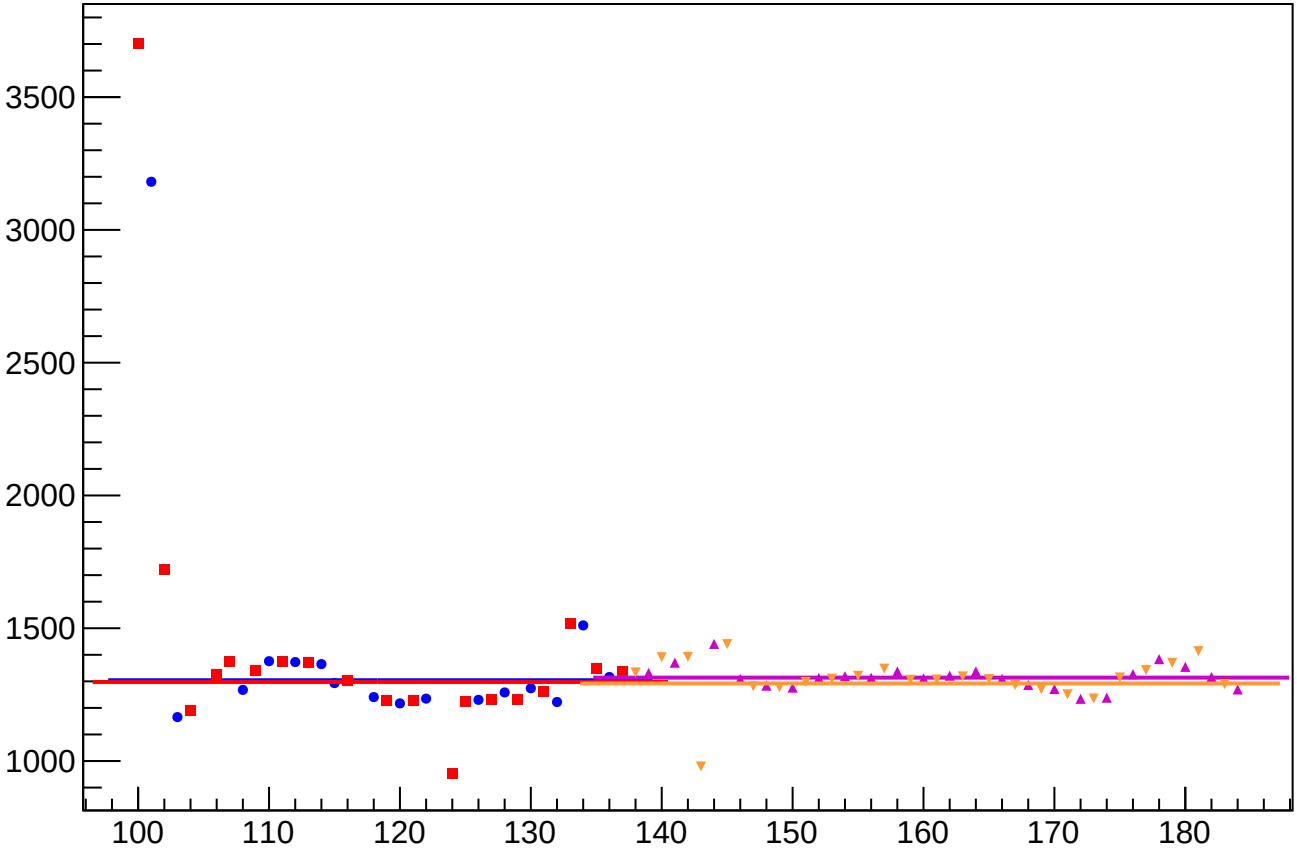
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 217.319+/-254.210 χ^2/NDF: 60.3/39

All: 302.236+/-181.601 χ^2/NDF: 93.3/81

- sign 390.737+/-259.518 χ^2/NDF: 32.8/41

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

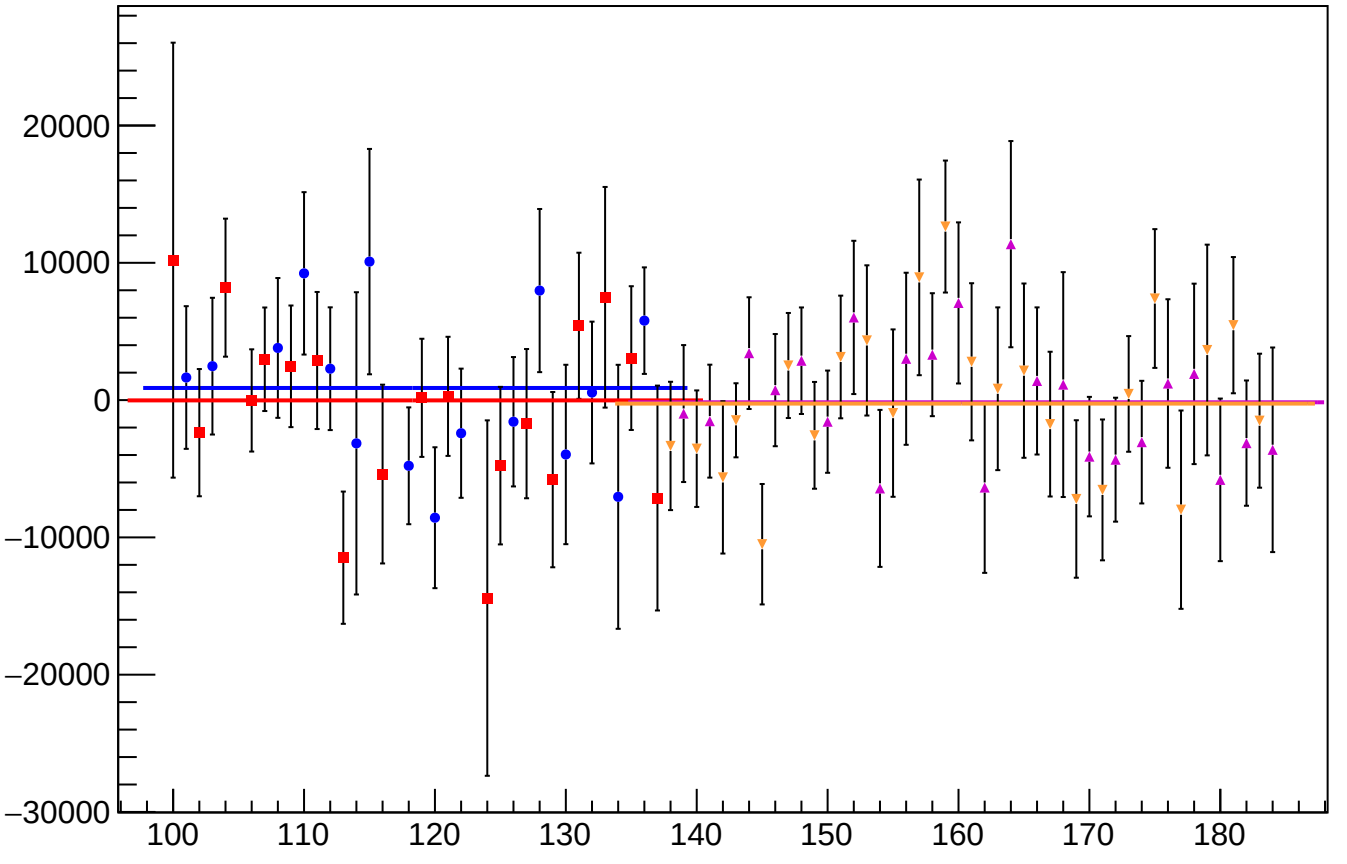
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.207+/-0.180 χ^2/NDF: 741229.6/39

All: 1302.144+/-0.128 χ^2/NDF: 1002008.8/81

- sign 1309.371+/-0.183 χ^2/NDF: 257738.0/41



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -254.194+/-983.677 χ^2/NDF:27.3/23

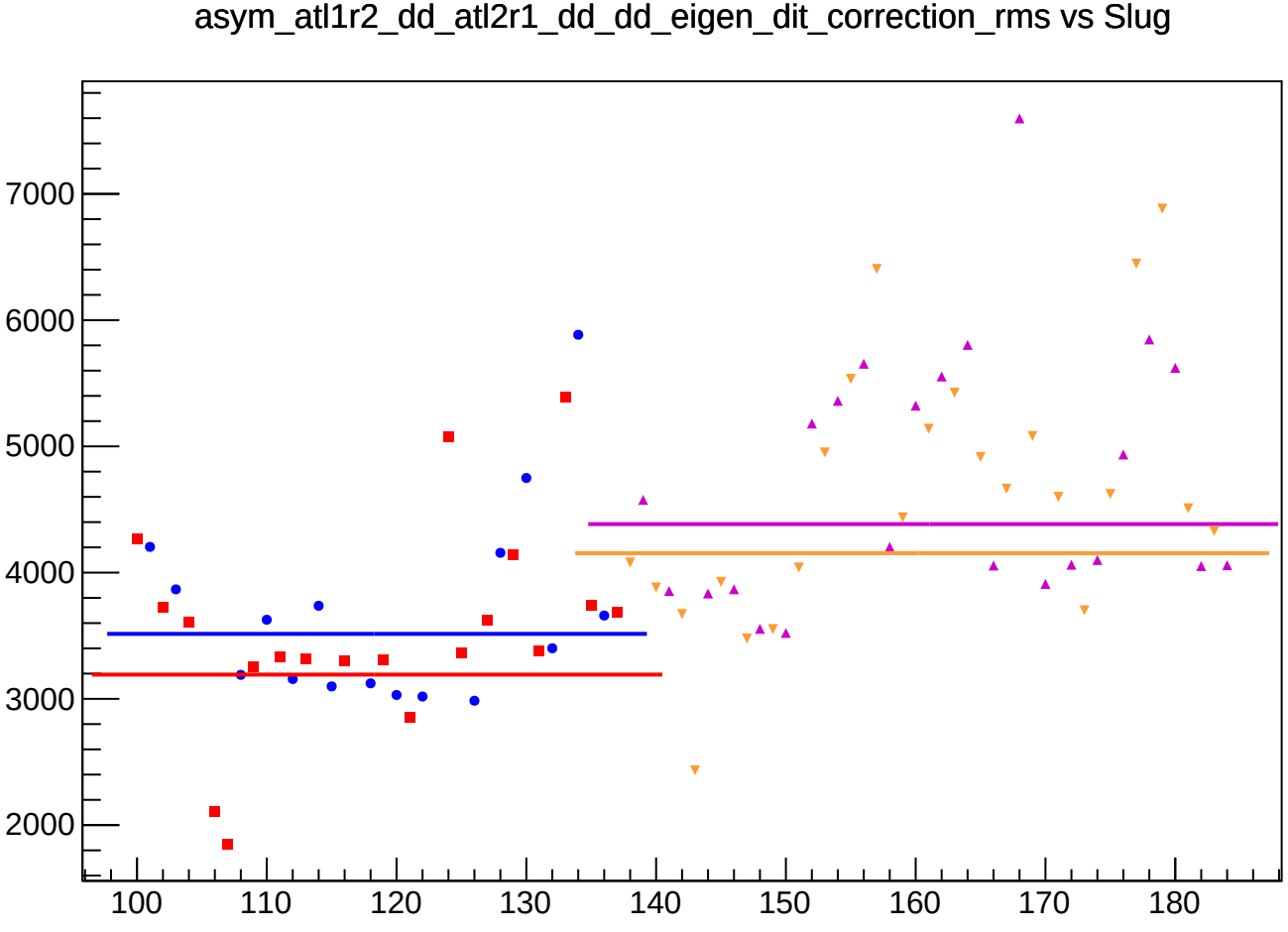
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

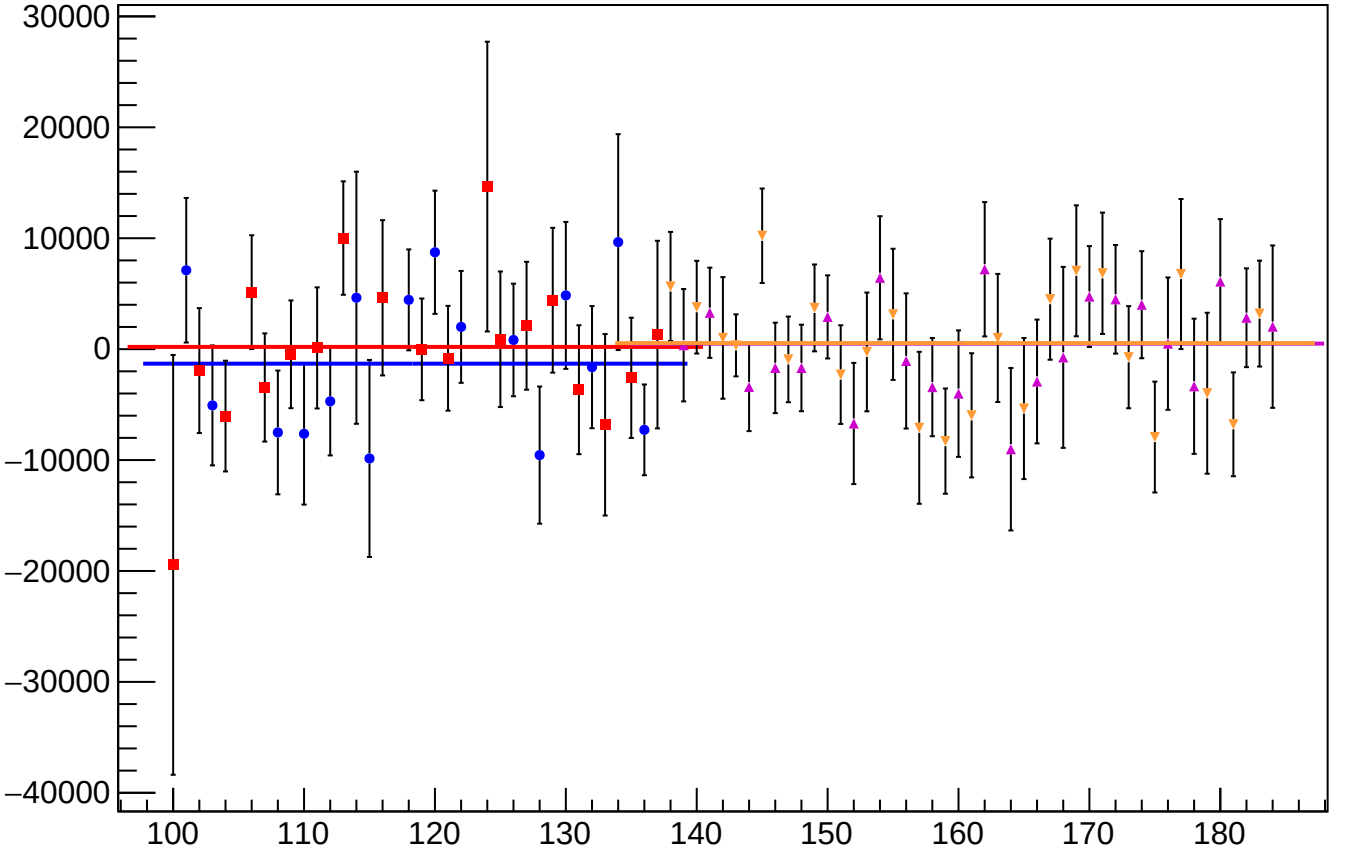
+ sign 149.303+/-790.321 χ^2/NDF: 41.9/39

All: 24.547+/-558.122 χ^2/NDF: 72.6/81

- sign -99.569+/-788.290 χ^2/NDF: 30.6/41


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 4154.044+/-0.696 χ²/NDF:2079744.9/23
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
+ sign 3927.415+/-0.559 χ²/NDF: 2754296.2/39
All: 3898.583+/-0.395 χ²/NDF: 5909658.8/81
- sign 3869.899+/-0.557 χ²/NDF: 3150052.8/41

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

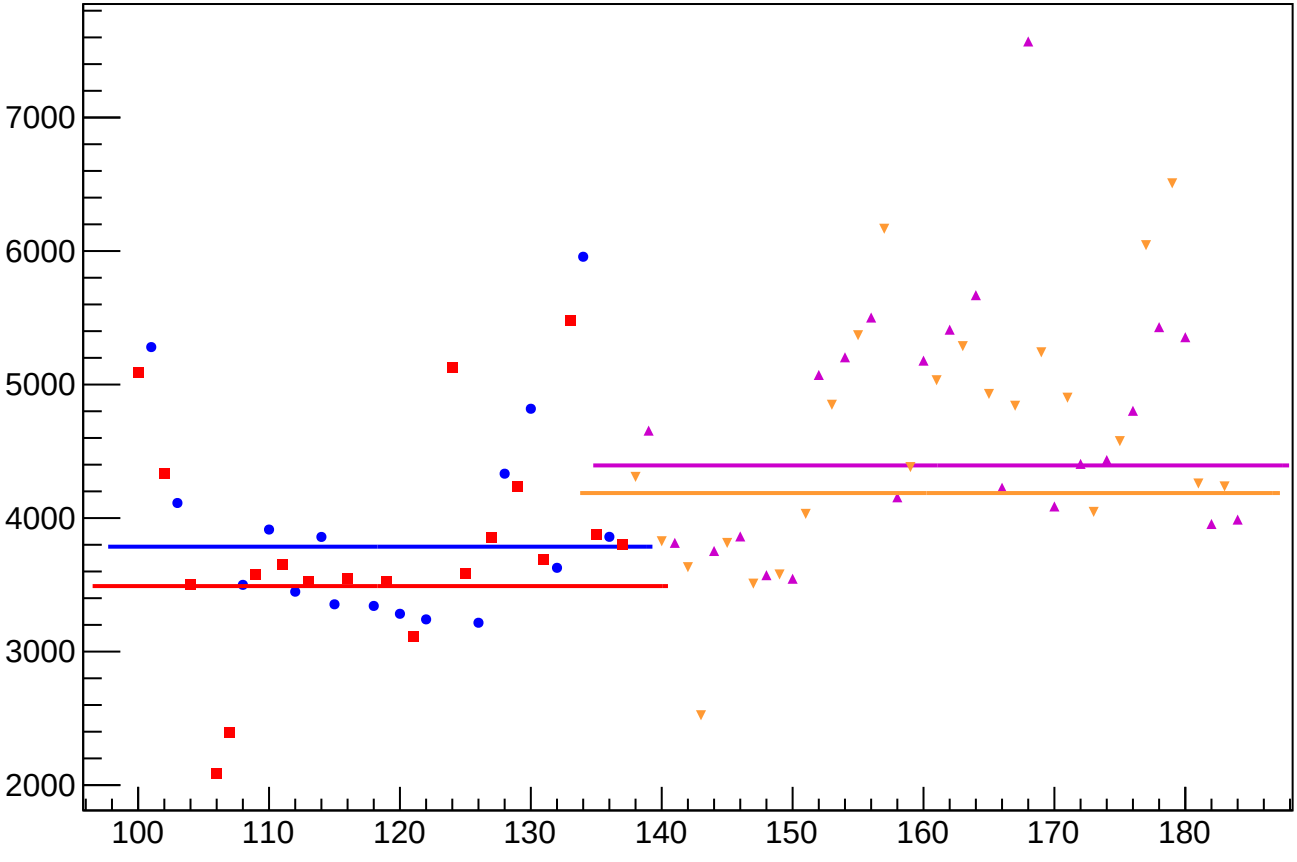
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -52.793+/-812.471 χ^2/NDF: 43.9/39

All: 163.407+/-578.185 χ^2/NDF: 69.6/81

- sign 385.239+/-822.983 χ^2/NDF: 25.6/41

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

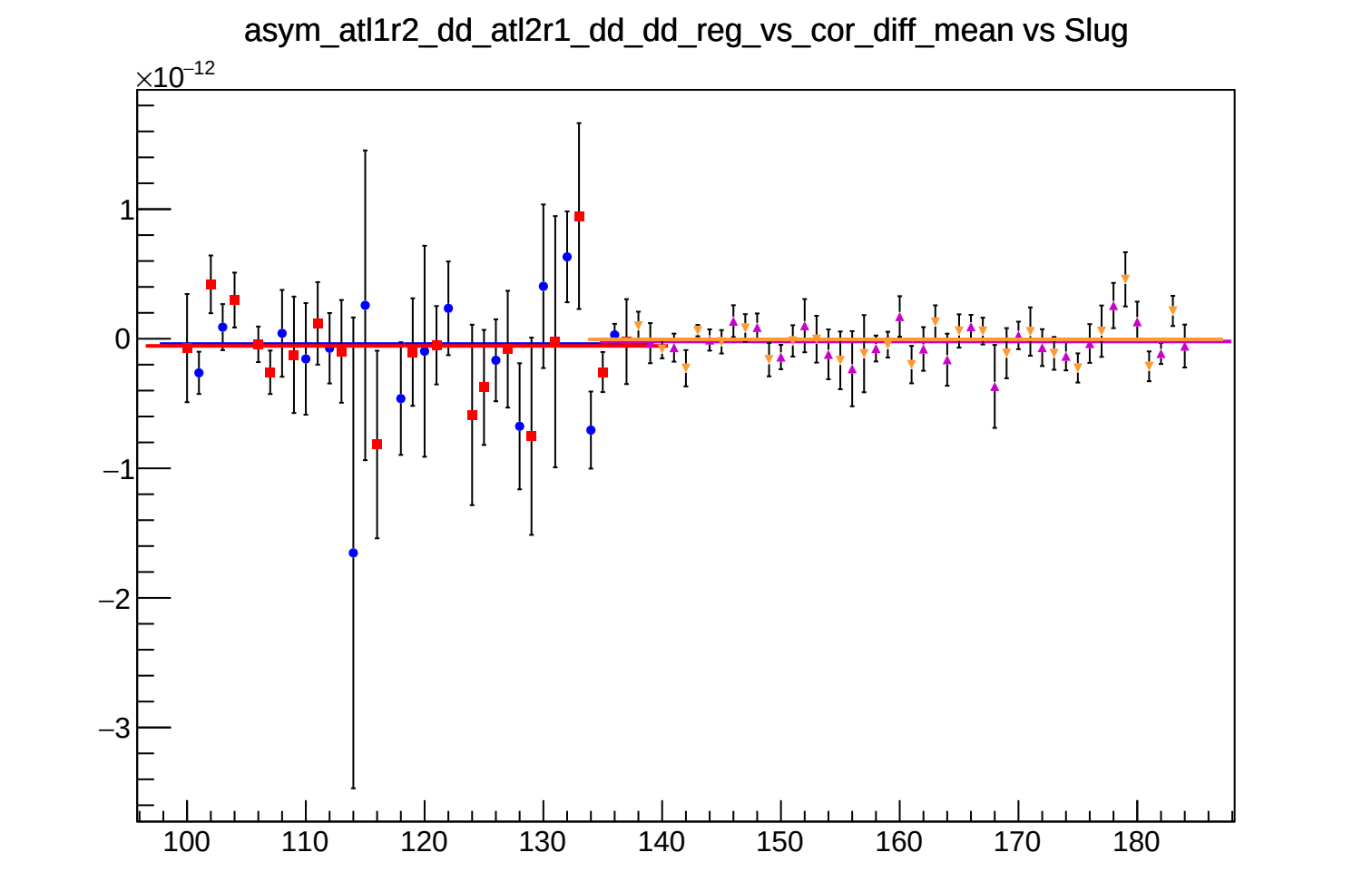
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4058.054+/-0.575 χ^2/NDF: 2286028.2/39

All: 4051.860+/-0.408 χ^2/NDF: 4538921.1/81

- sign 4045.571+/-0.579 χ^2/NDF: 2252658.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/23

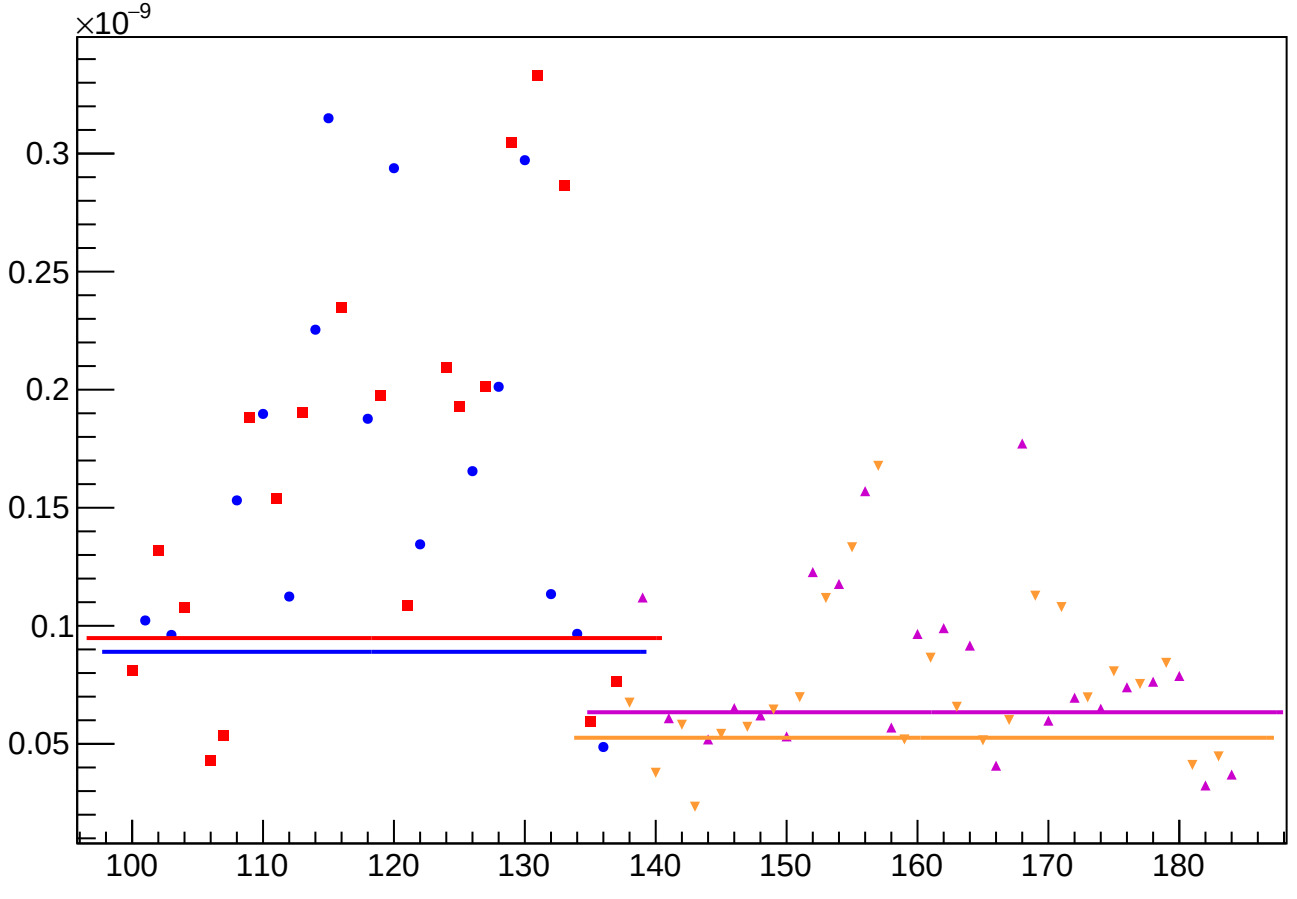
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/39

All: -0.000+/-0.000 χ^2/NDF: 80.6/81

- sign -0.000+/-0.000 χ^2/NDF: 33.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2623647.7/23

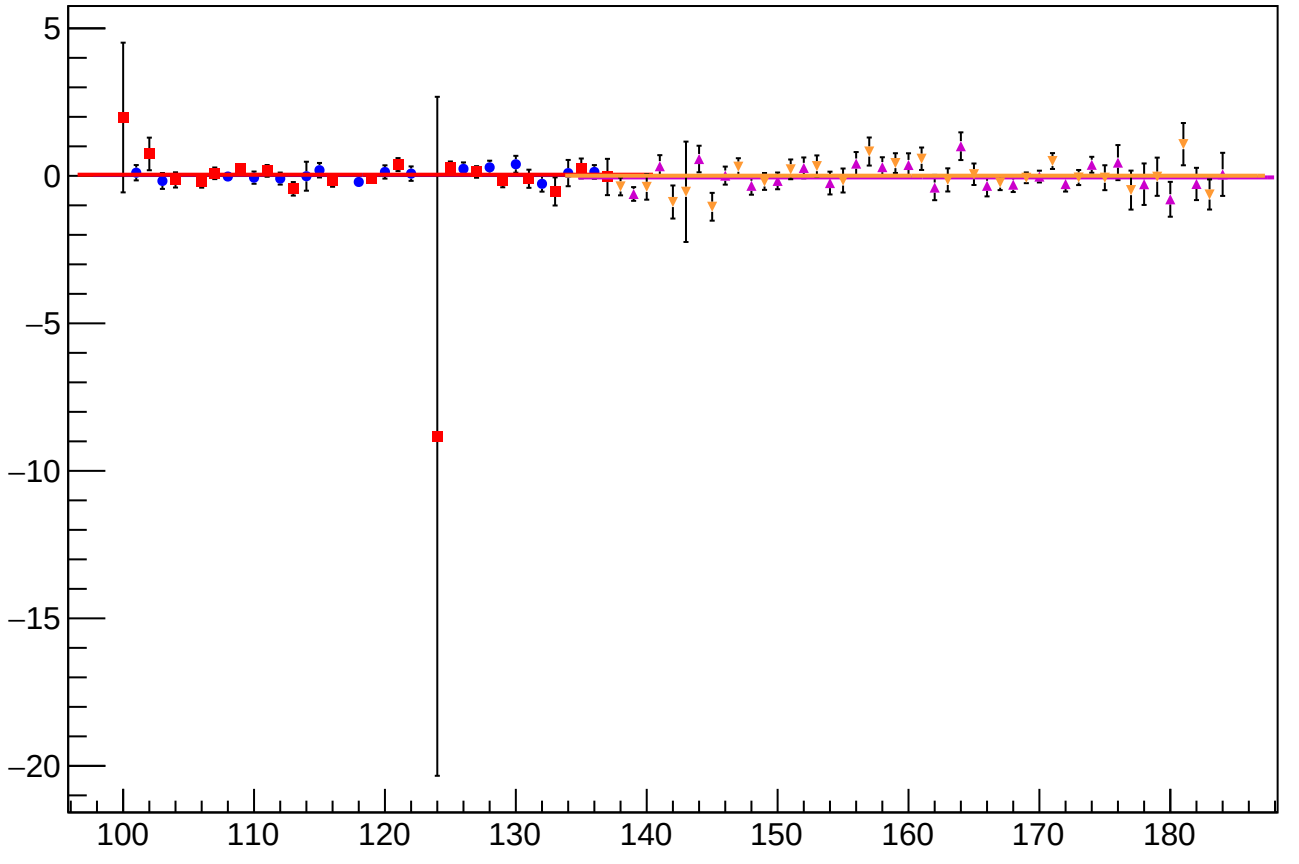
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4750374.6/39

All: 0.000+/-0.000 χ^2/NDF: 8912820.2/81

- sign 0.000+/-0.000 χ^2/NDF: 3936195.9/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

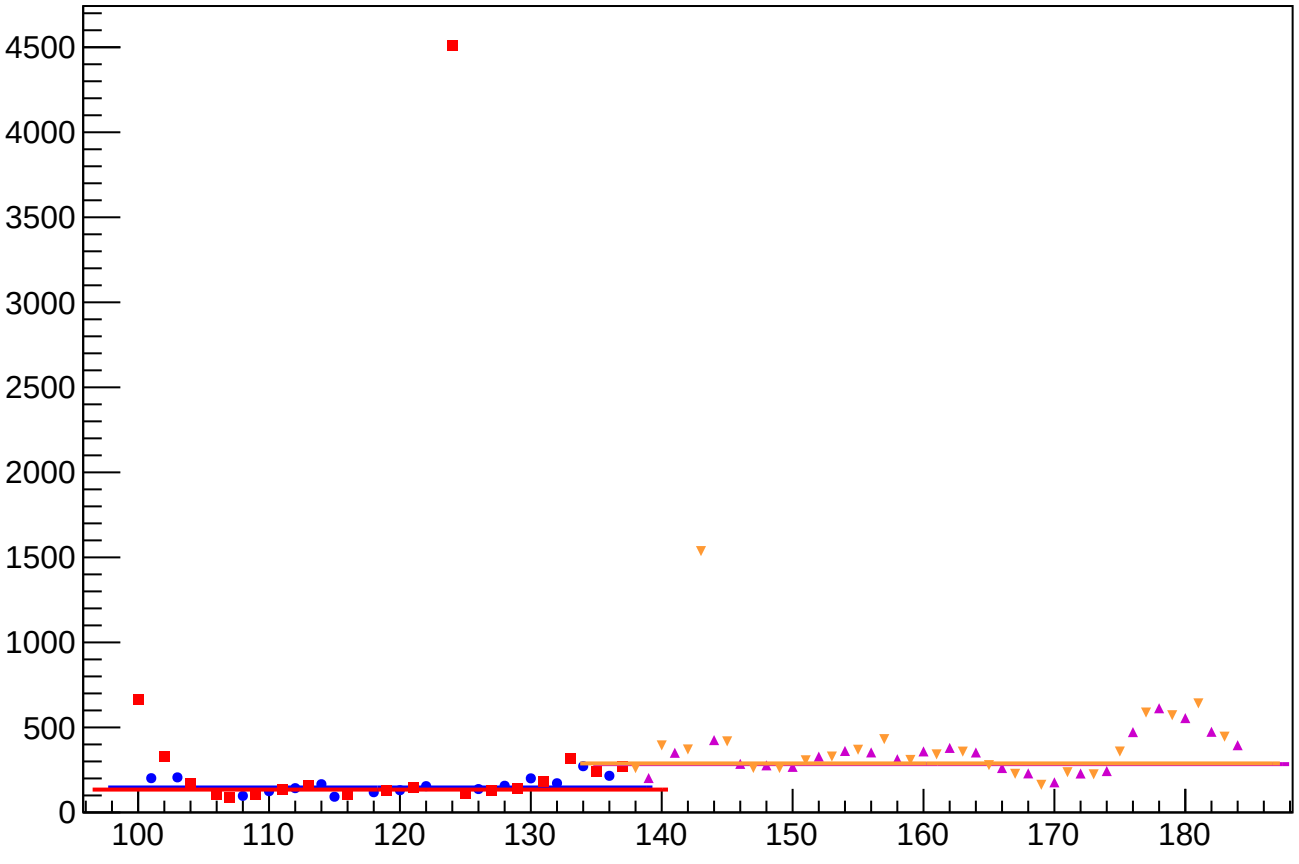
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

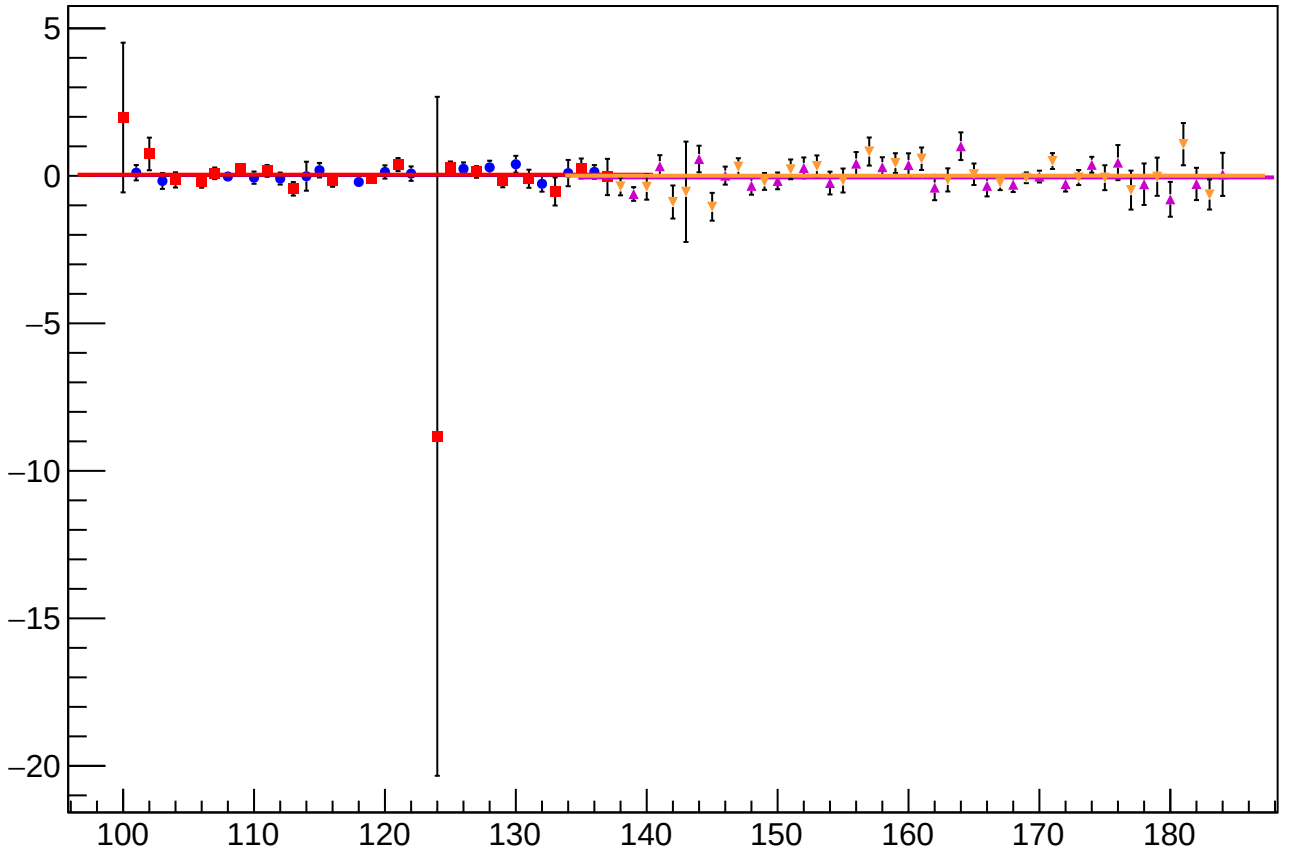
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81

- sign 190.942+/-0.031 χ^2/NDF: 10313563.7/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.005+/-0.071 χ^2/NDF:28.6/23

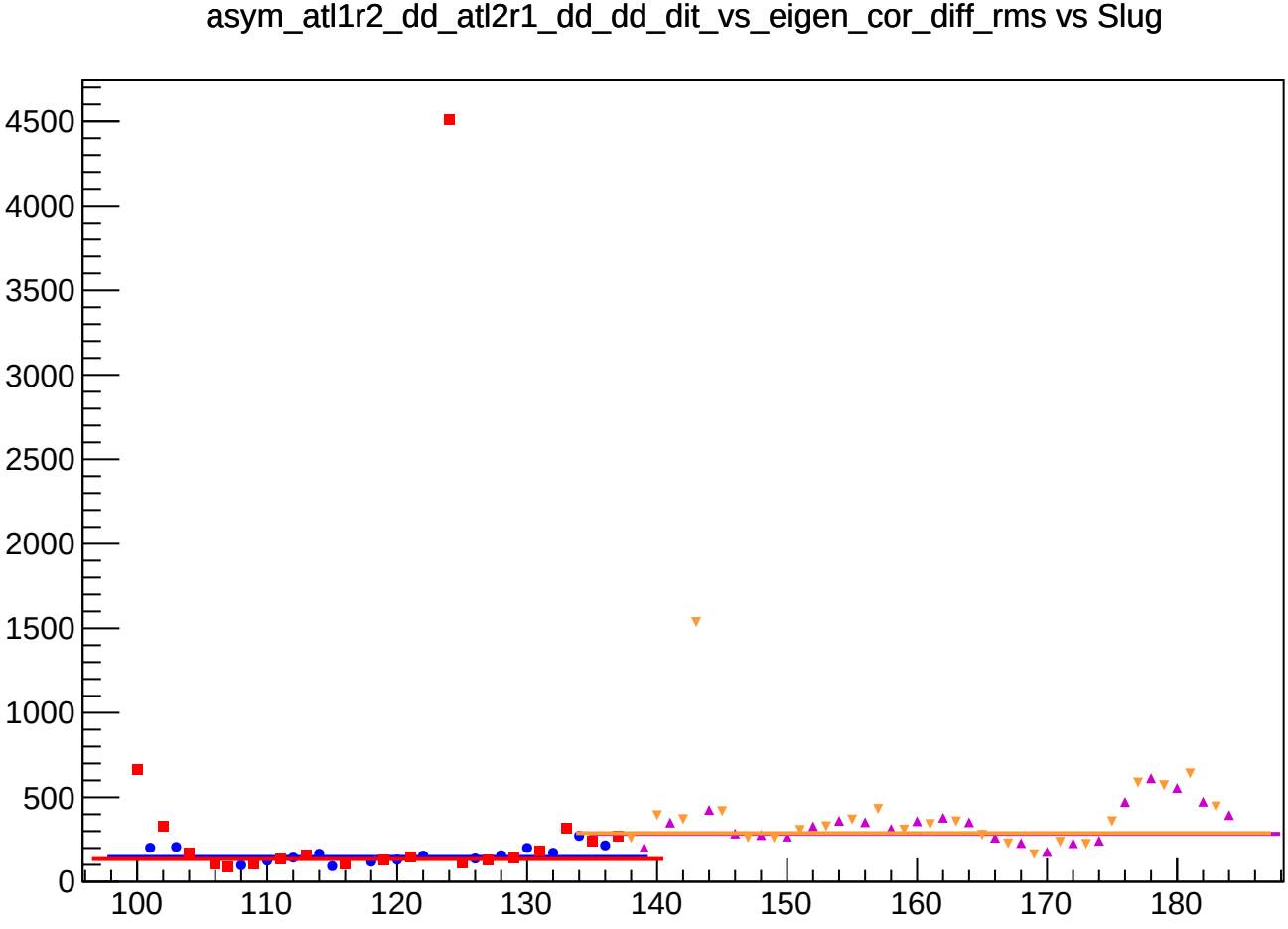
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636058.1/23

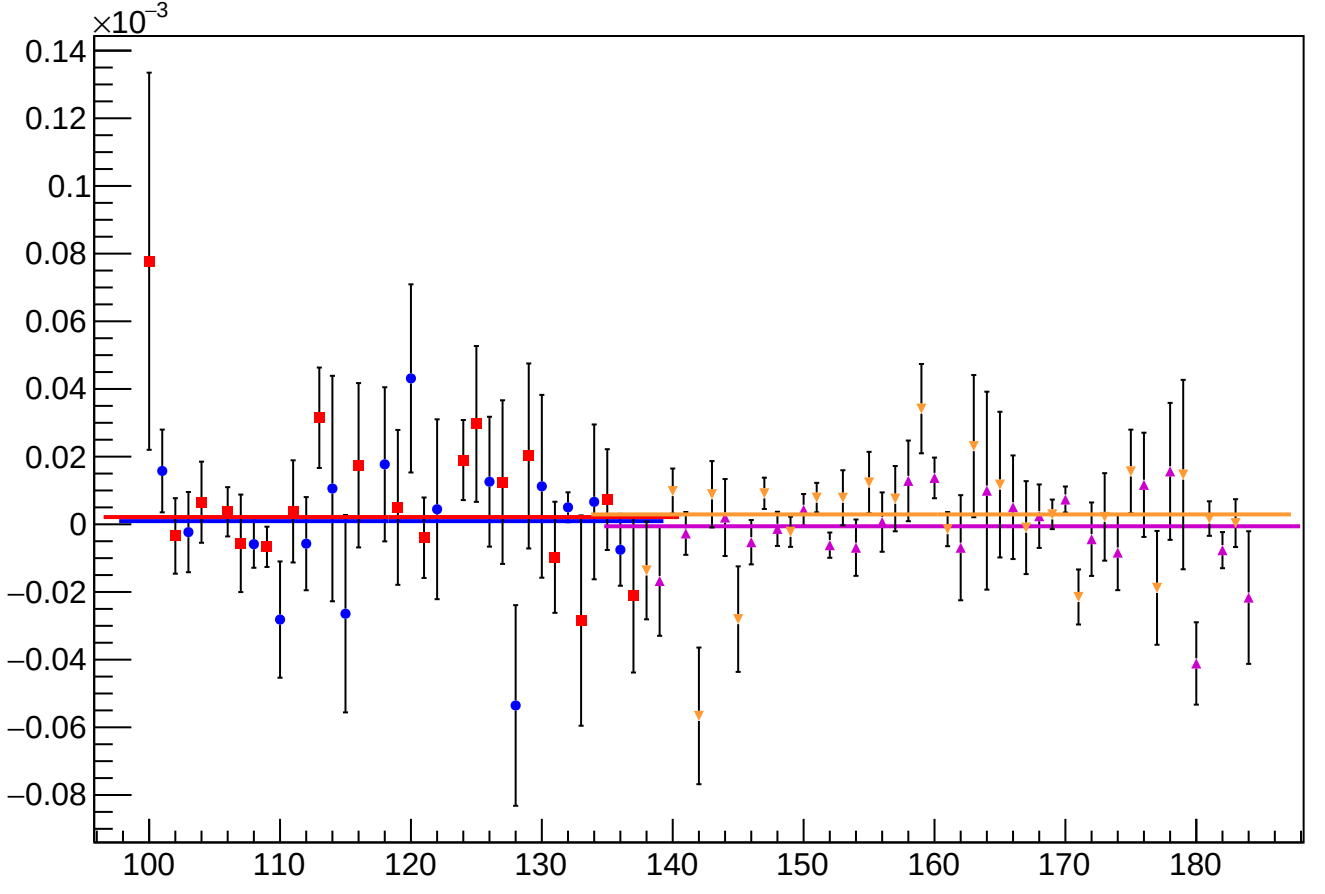
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385112.5/39

All: 196.609+/-0.022 χ^2/NDF: 20770073.2/81

- sign 190.942+/-0.031 χ^2/NDF: 10313563.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/23

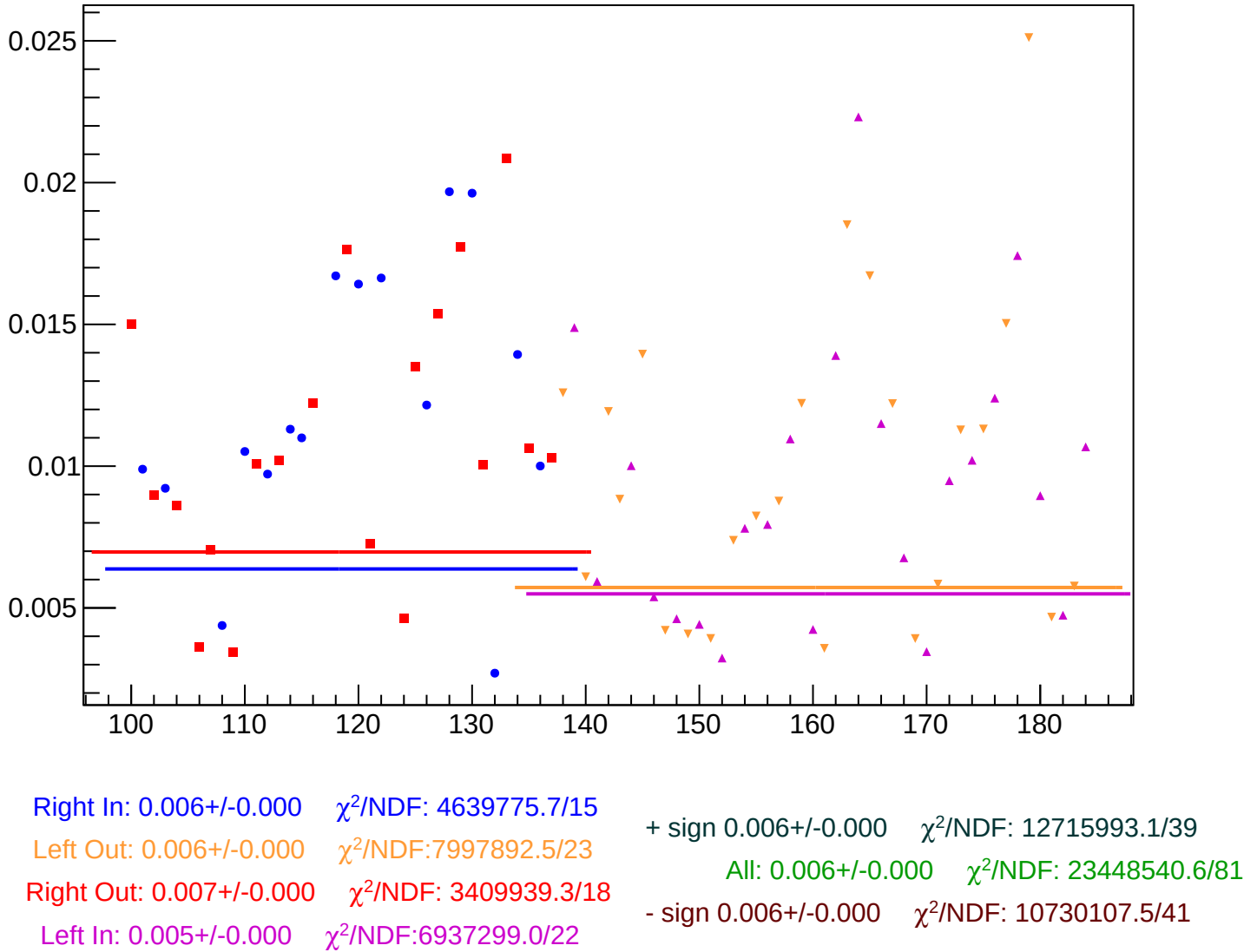
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

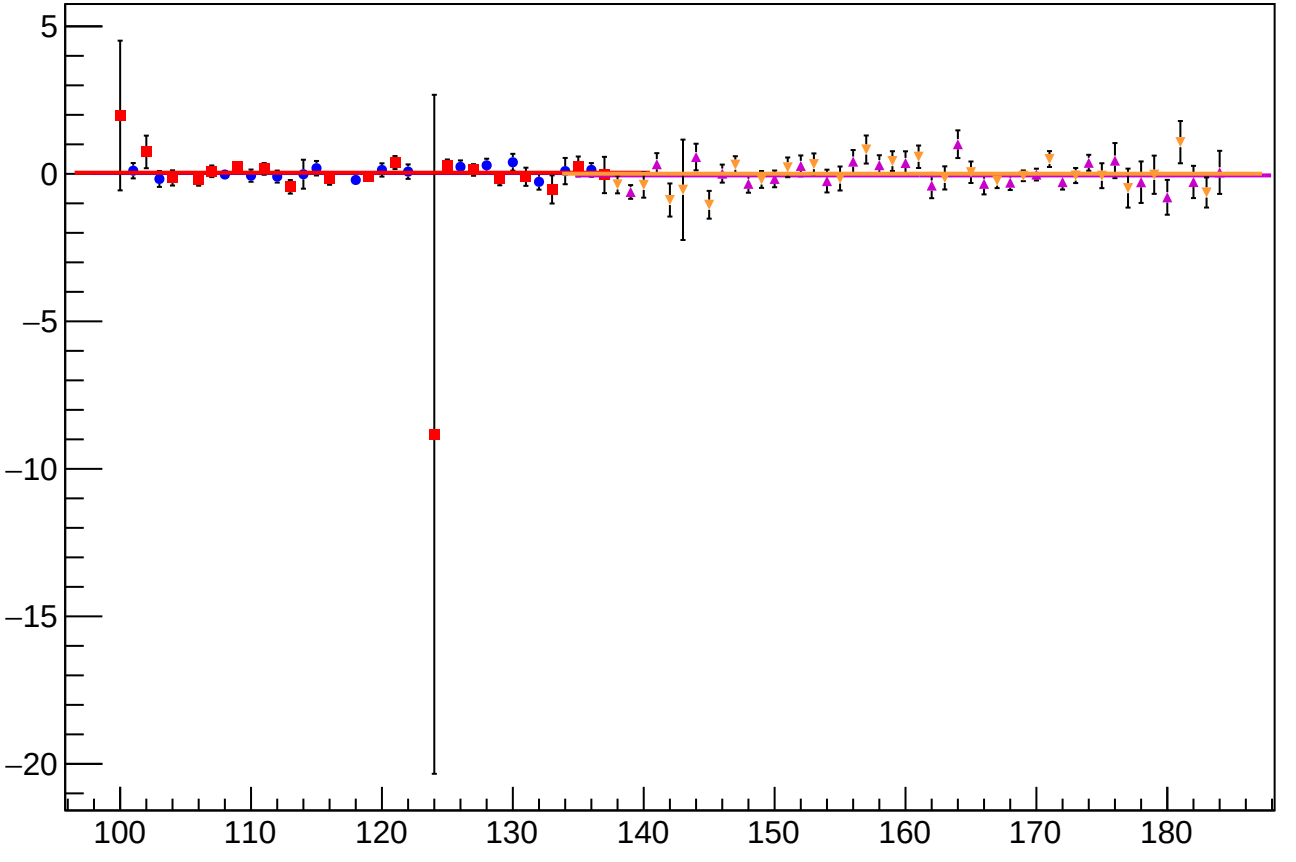
+ sign 0.000+/-0.000 χ^2/NDF: 56.3/39

All: 0.000+/-0.000 χ^2/NDF: 108.0/81

- sign -0.000+/-0.000 χ^2/NDF: 49.9/41


asym_atl1r2_dd_atl2r1_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: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:7997892.5/23
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.006+/-0.000 χ²/NDF: 12715993.1/39
All: 0.006+/-0.000 χ²/NDF: 23448540.6/81
- sign 0.006+/-0.000 χ²/NDF: 10730107.5/41

asym_atl1r2_dd_atl2r1_dd_dd_eigen_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

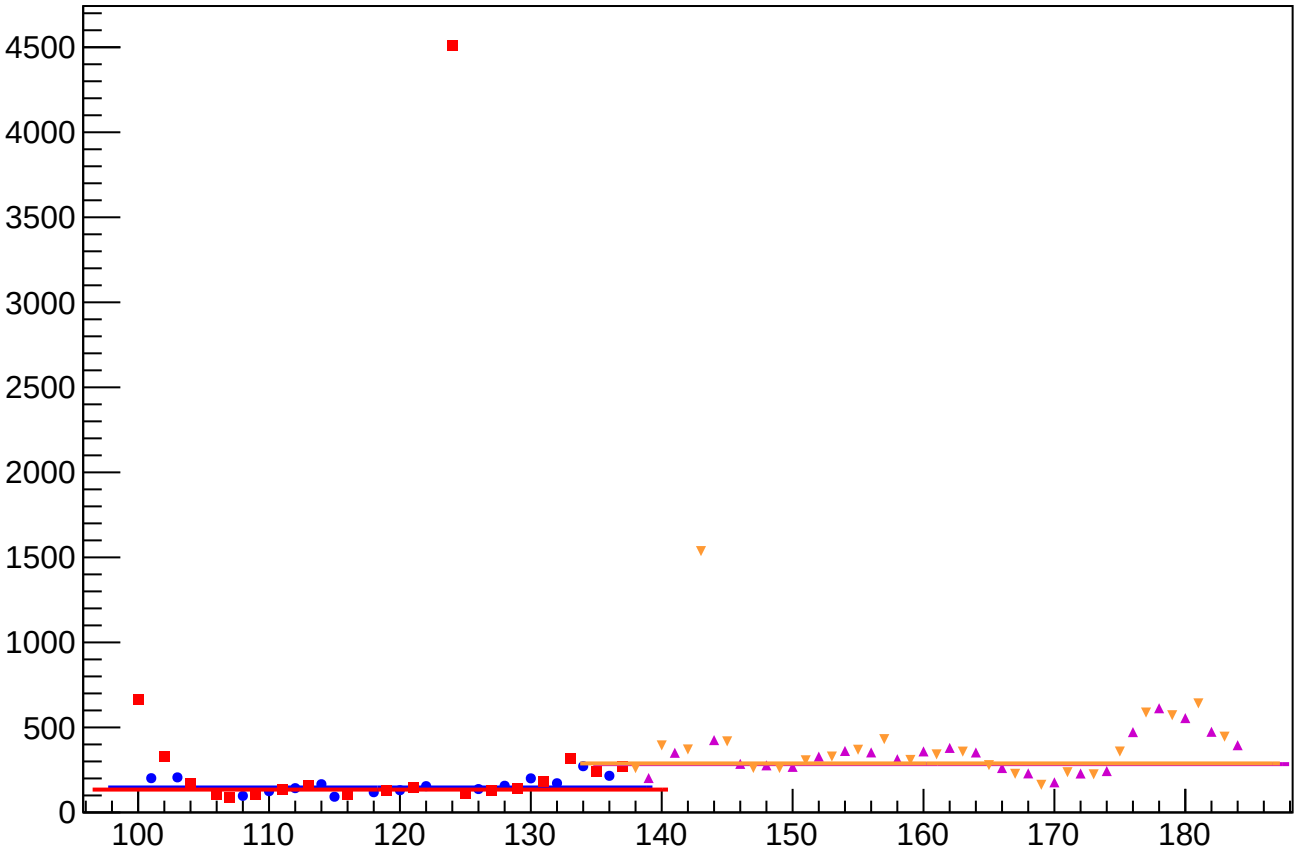
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



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

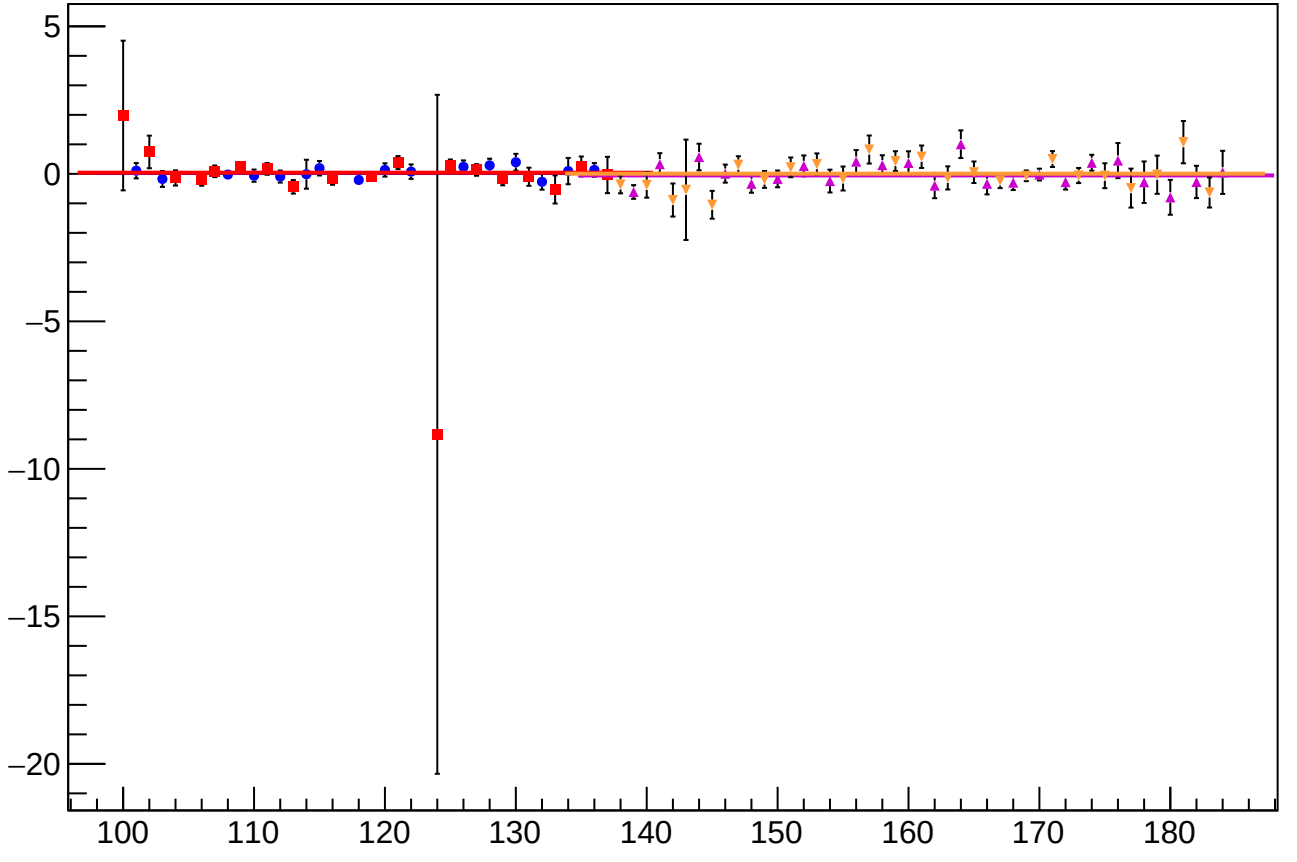
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81

- sign 190.943+/-0.031 χ^2/NDF: 10313538.5/41

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

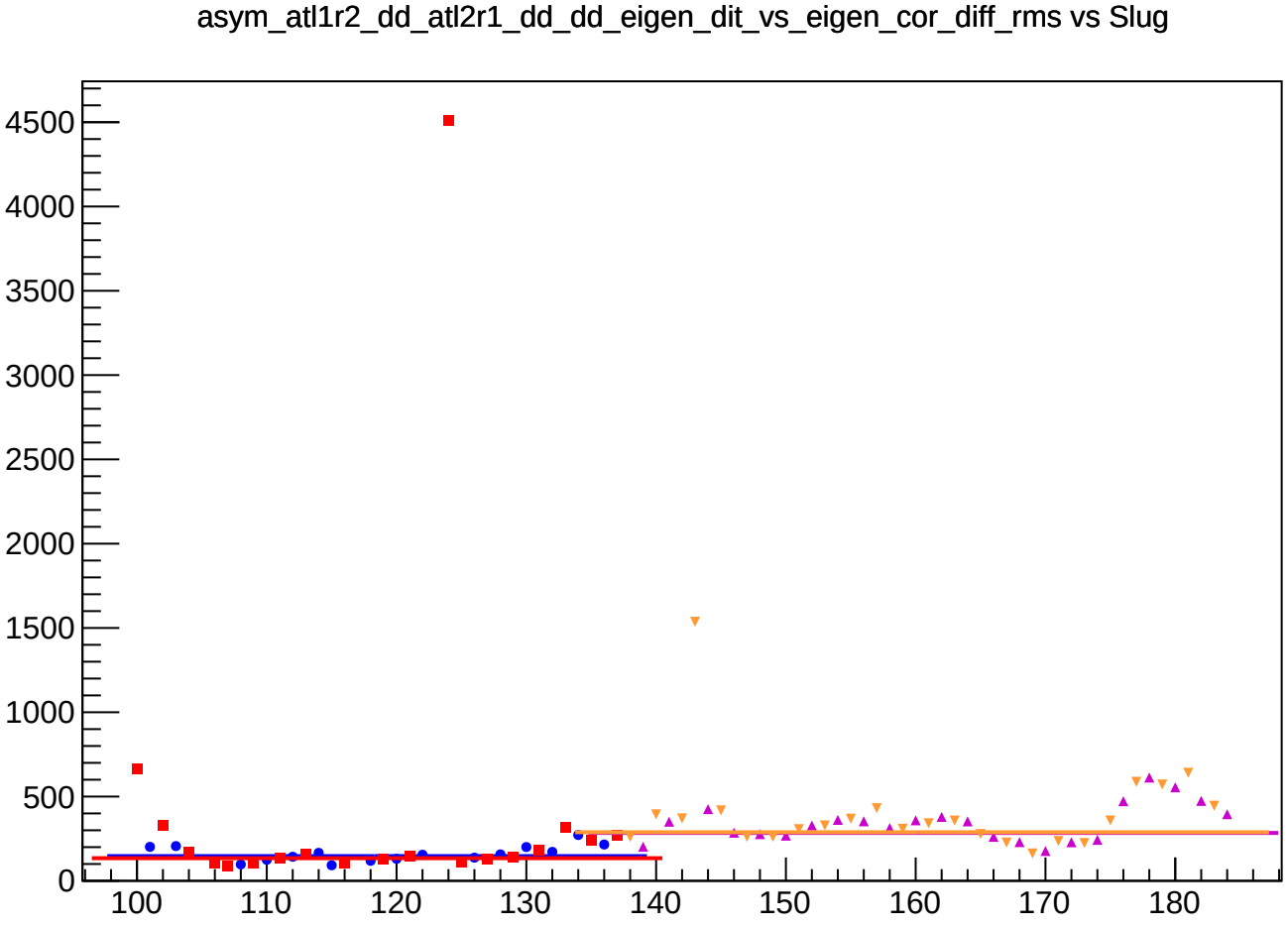
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.019+/-0.045 χ^2/NDF: 38.1/39

All: 0.011+/-0.031 χ^2/NDF: 87.0/81

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 288.333+/-0.051 χ^2/NDF:4636246.5/23

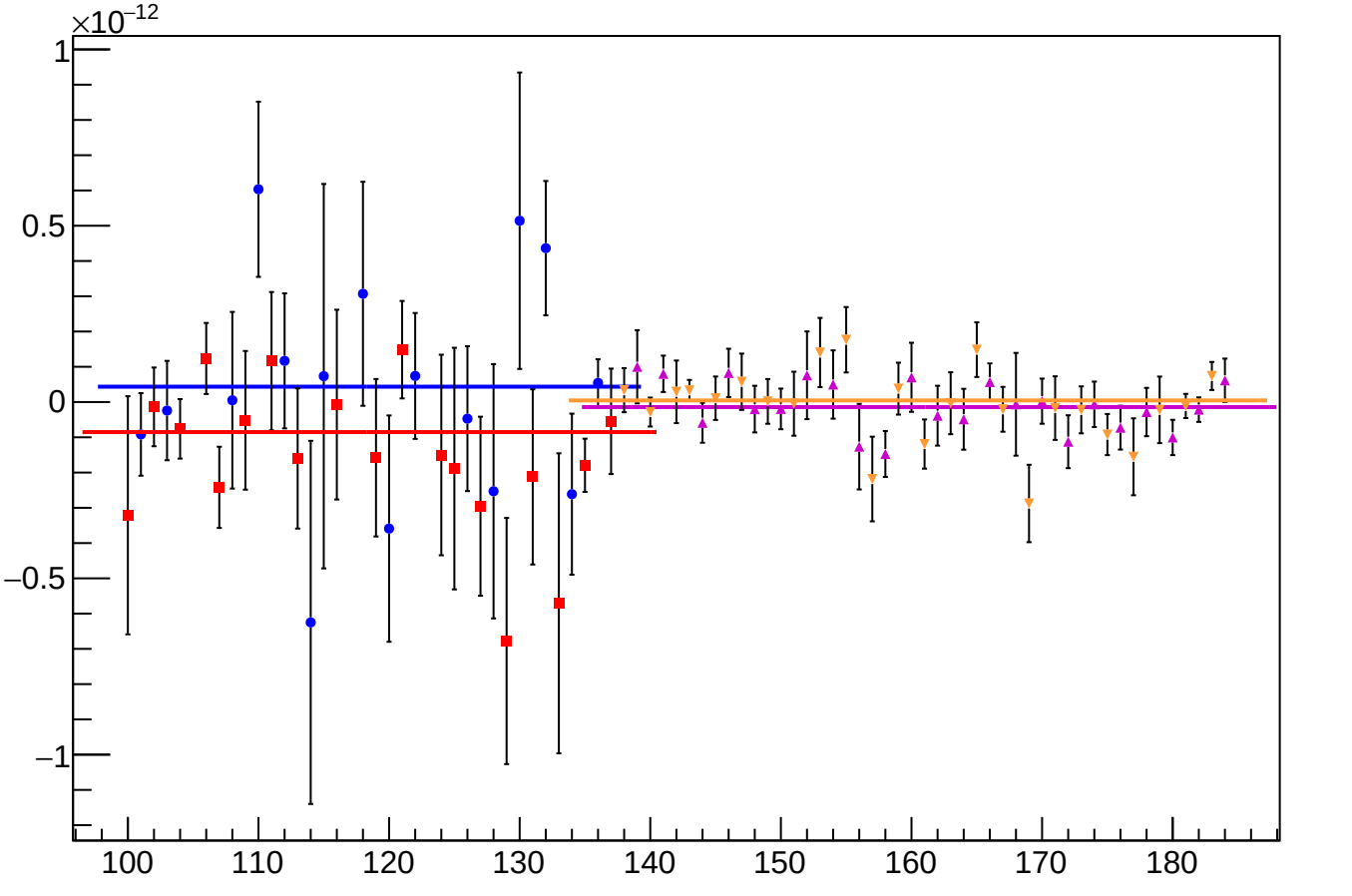
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.716+/-0.032 χ^2/NDF: 10385243.1/39

All: 196.609+/-0.022 χ^2/NDF: 20770157.8/81

- sign 190.943+/-0.031 χ^2/NDF: 10313538.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.6/23

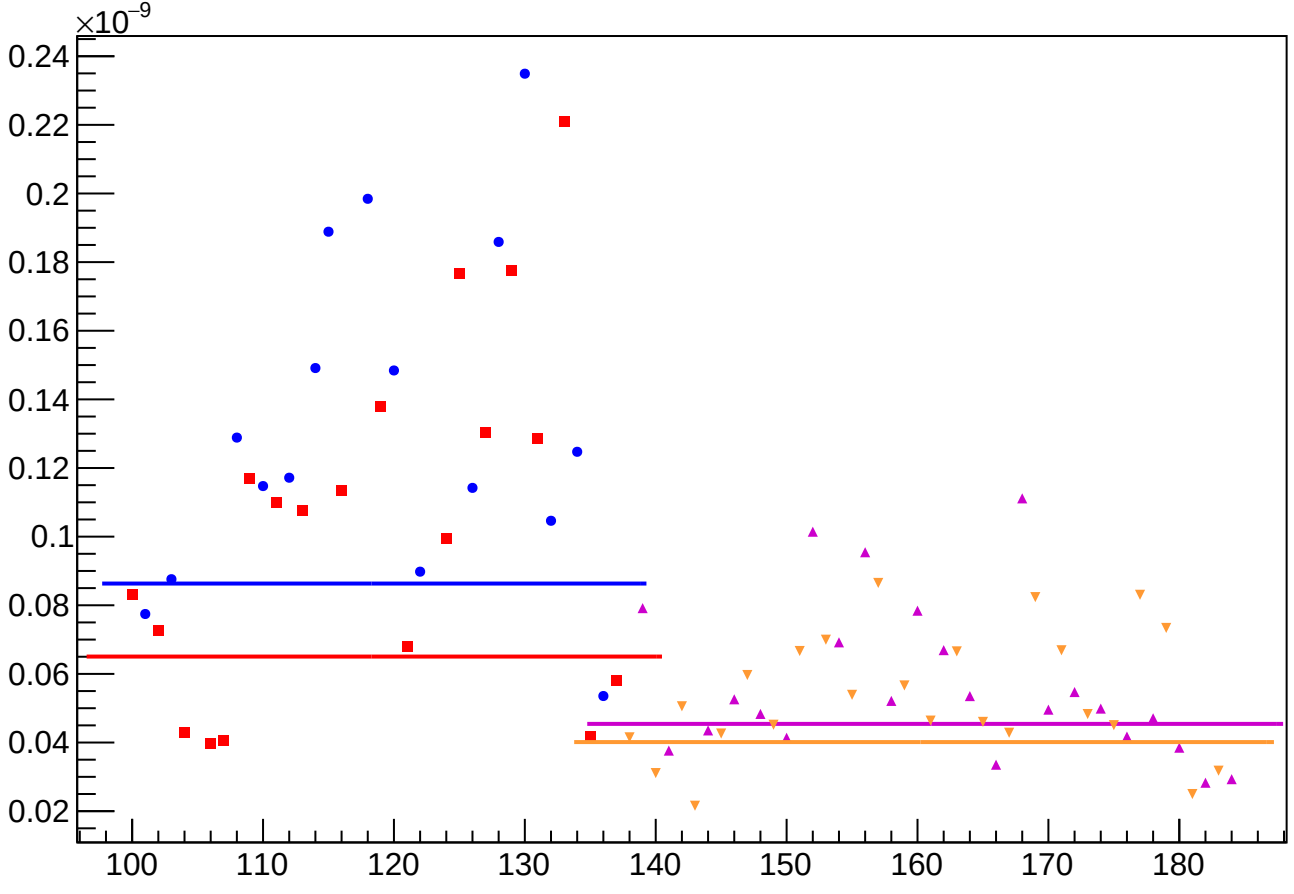
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/39

All: -0.000+/-0.000 χ^2/NDF: 101.8/81

- sign -0.000+/-0.000 χ^2/NDF: 45.1/41



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

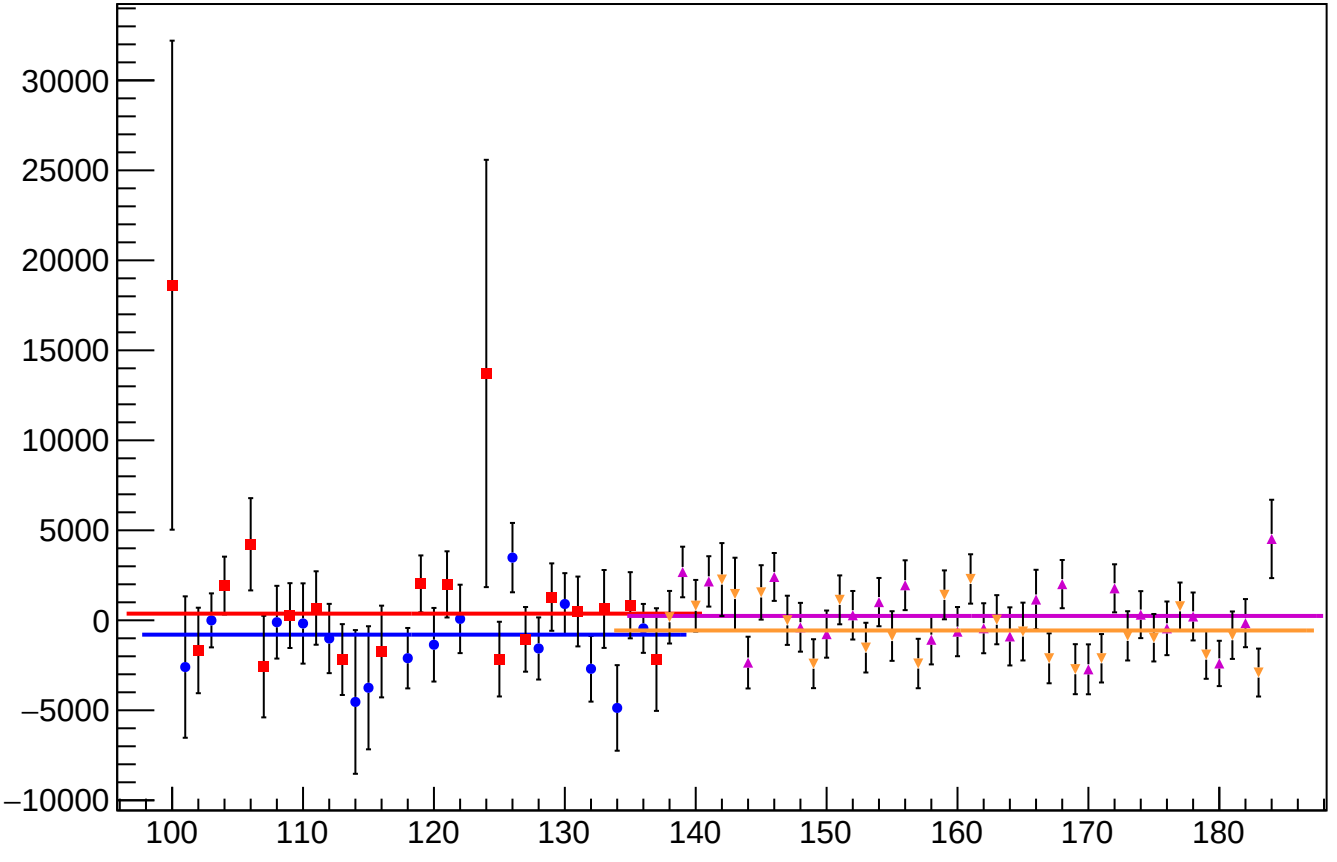
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7331572.3/39

All: 0.000+/-0.000 χ^2/NDF: 12967099.7/81

- sign 0.000+/-0.000 χ^2/NDF: 5506628.4/41

reg_asym_atl1r2_dd_atl2r1_dd_avg_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

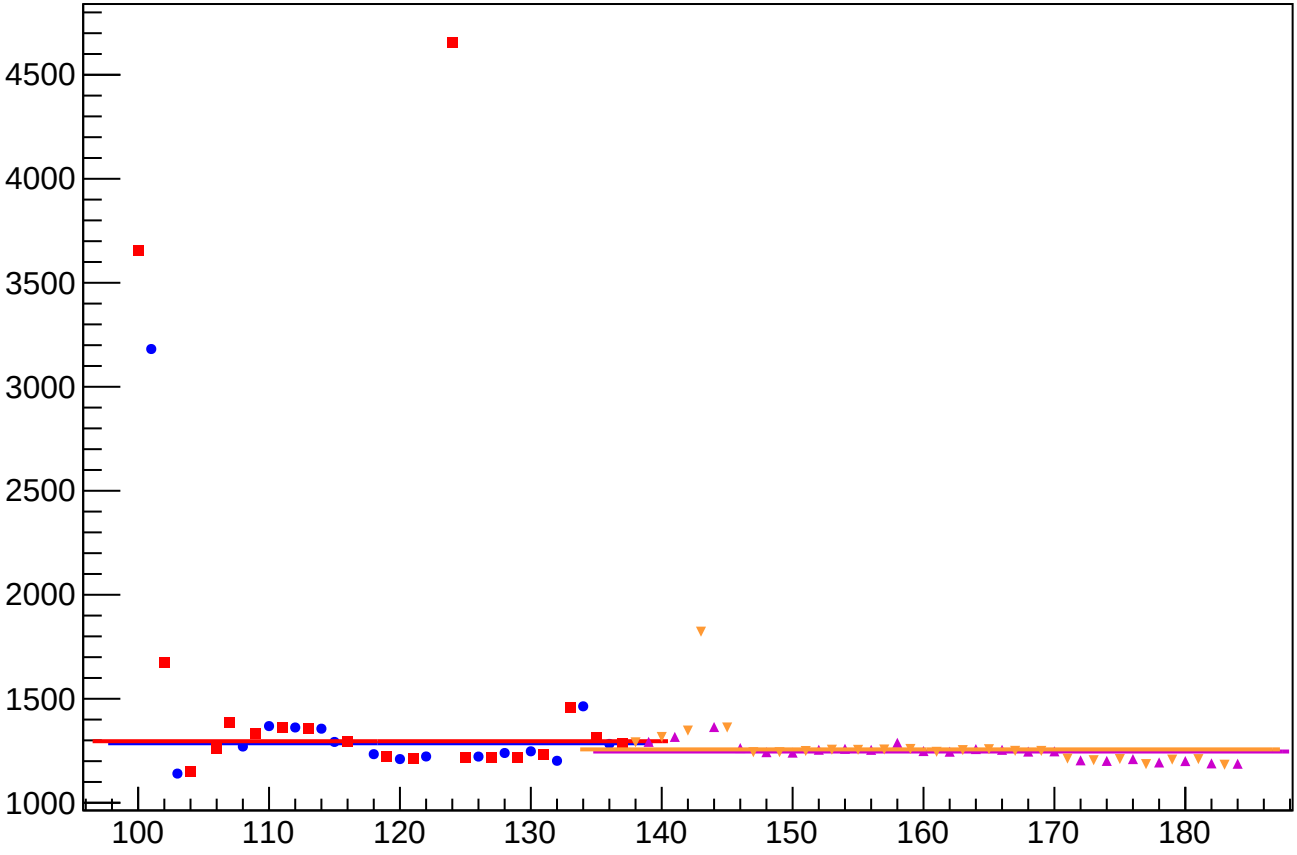
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -625.162+/-248.050 χ^2/NDF: 42.5/39

All: -177.489+/-175.995 χ^2/NDF: 96.7/81

- sign 276.333+/-249.748 χ^2/NDF: 47.7/41

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

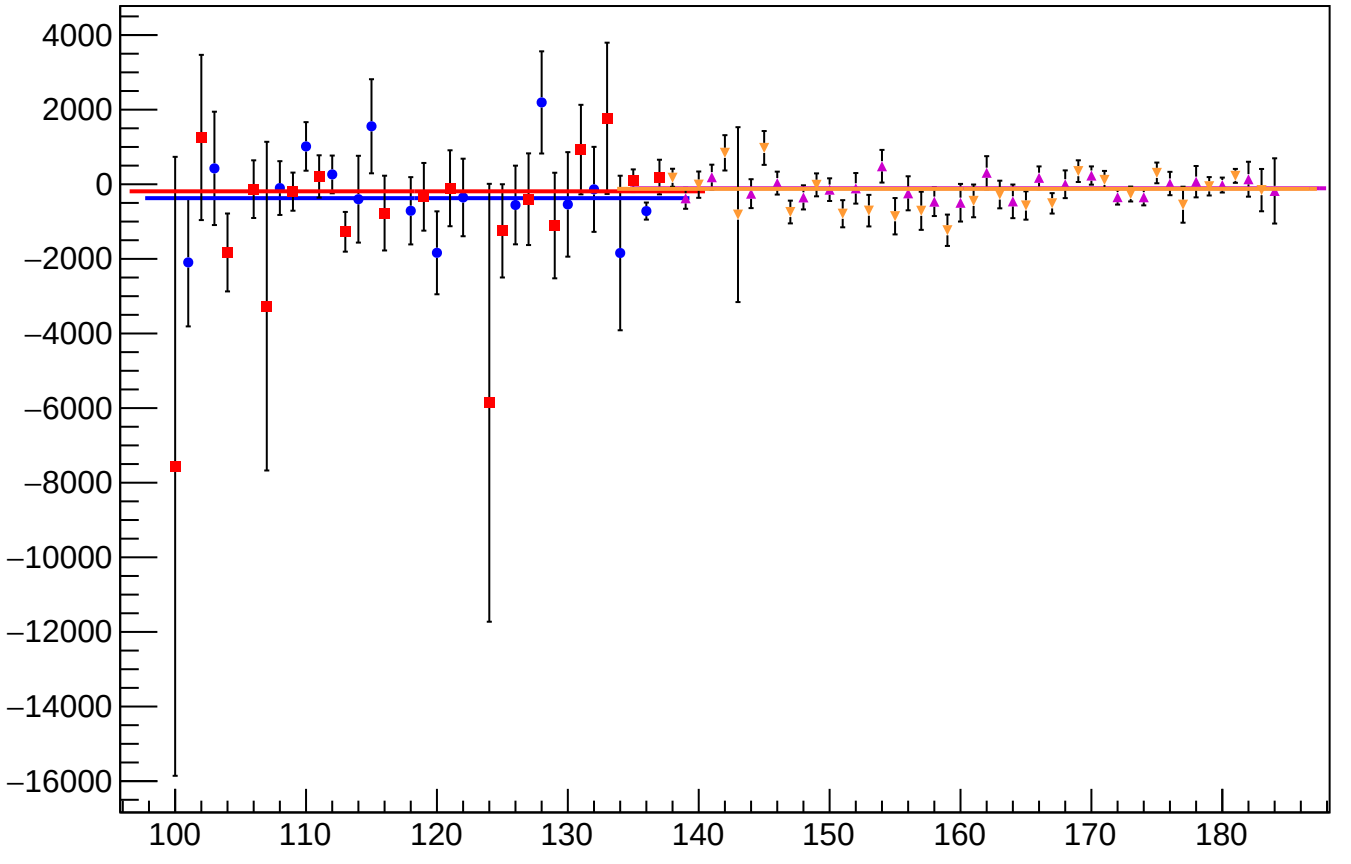
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.296+/-0.175 χ^2/NDF: 724505.7/39

All: 1261.894+/-0.124 χ^2/NDF: 1108140.6/81

- sign 1259.459+/-0.177 χ^2/NDF: 383257.2/41



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -122.930+/-65.215 χ^2/NDF:46.7/23

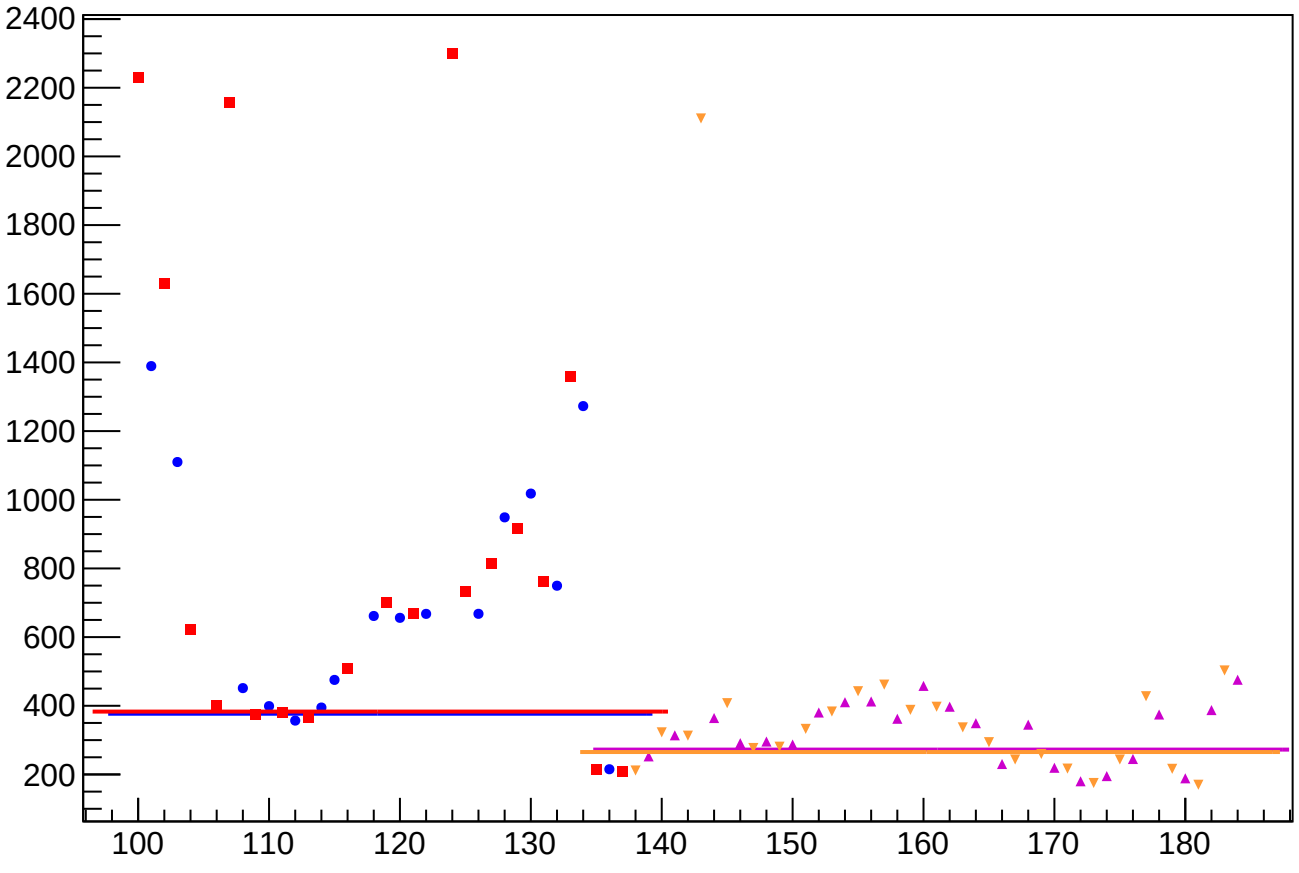
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -155.520+/-60.805 χ^2/NDF: 66.8/39

All: -137.396+/-43.519 χ^2/NDF: 95.6/81

- sign -118.361+/-62.313 χ^2/NDF: 28.6/41



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

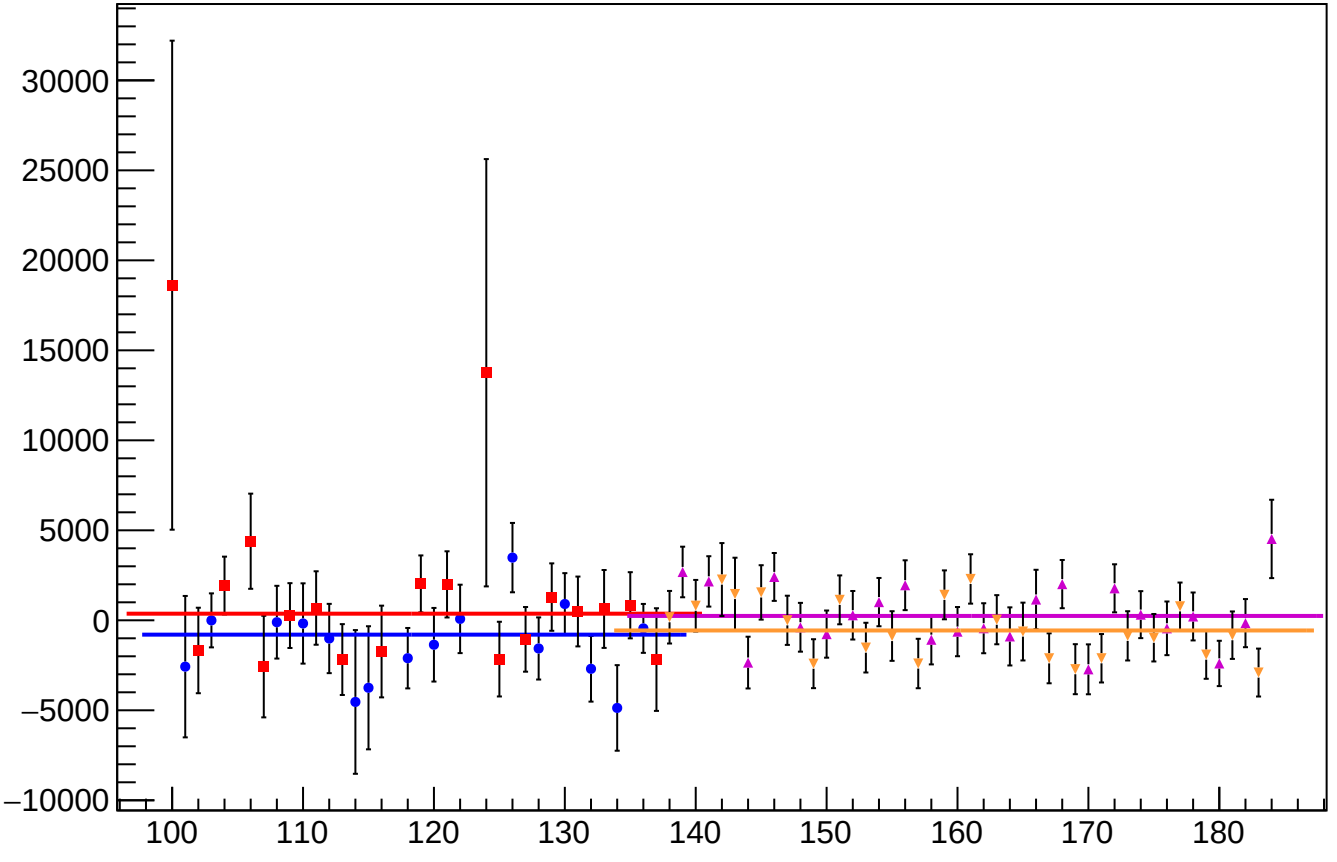
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 279.886+/-0.043 χ^2/NDF: 9483830.8/39

All: 283.510+/-0.031 χ^2/NDF: 17177647.7/81

- sign 287.317+/-0.044 χ^2/NDF: 7679249.1/41

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

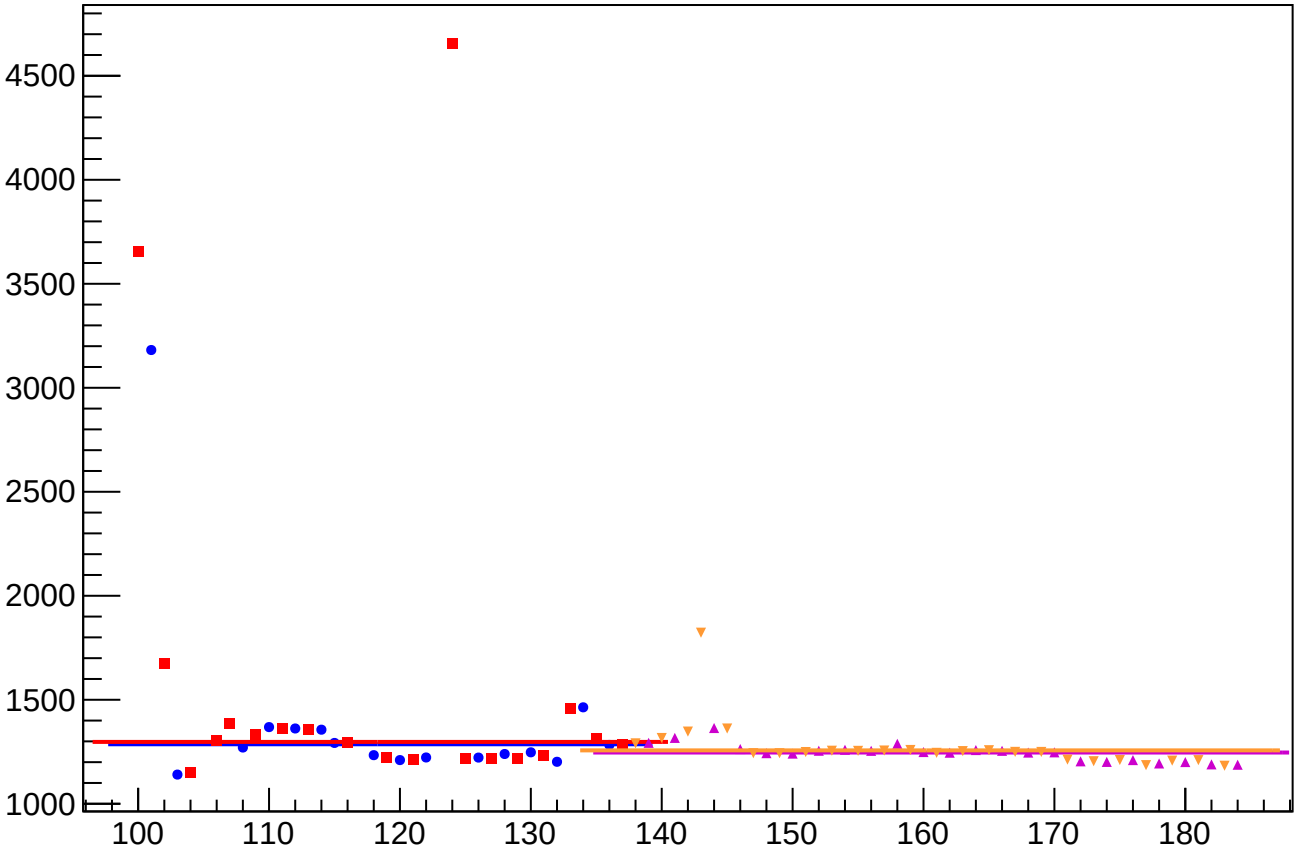
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -625.030+/-248.050 χ^2/NDF: 42.5/39

All: -177.917+/-176.020 χ^2/NDF: 96.8/81

- sign 275.594+/-249.819 χ^2/NDF: 47.8/41

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

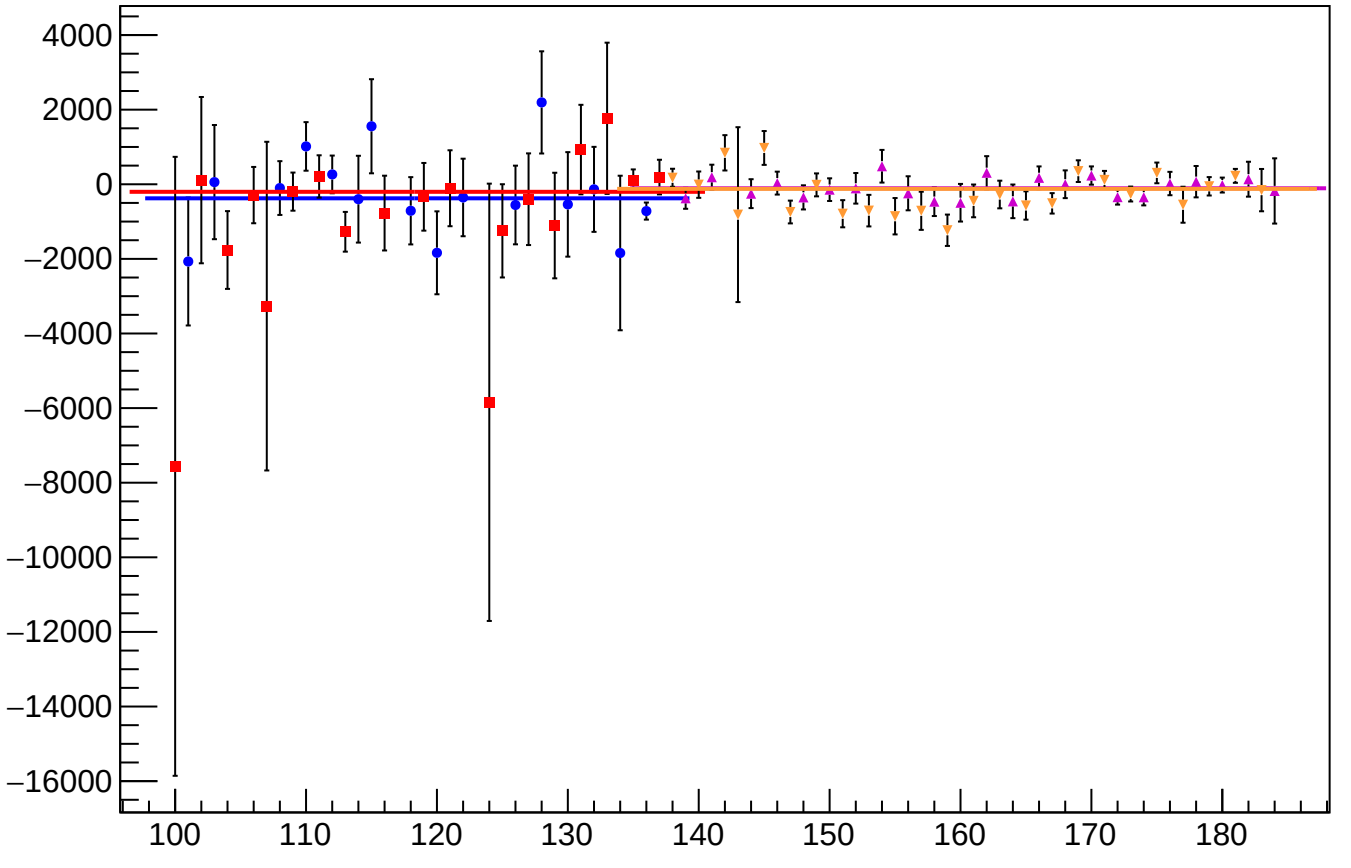
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.296+/-0.175 χ^2/NDF: 724507.0/39

All: 1262.075+/-0.124 χ^2/NDF: 1108643.8/81

- sign 1259.821+/-0.177 χ^2/NDF: 383813.6/41



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.907+/-65.216 χ^2/NDF:46.7/23

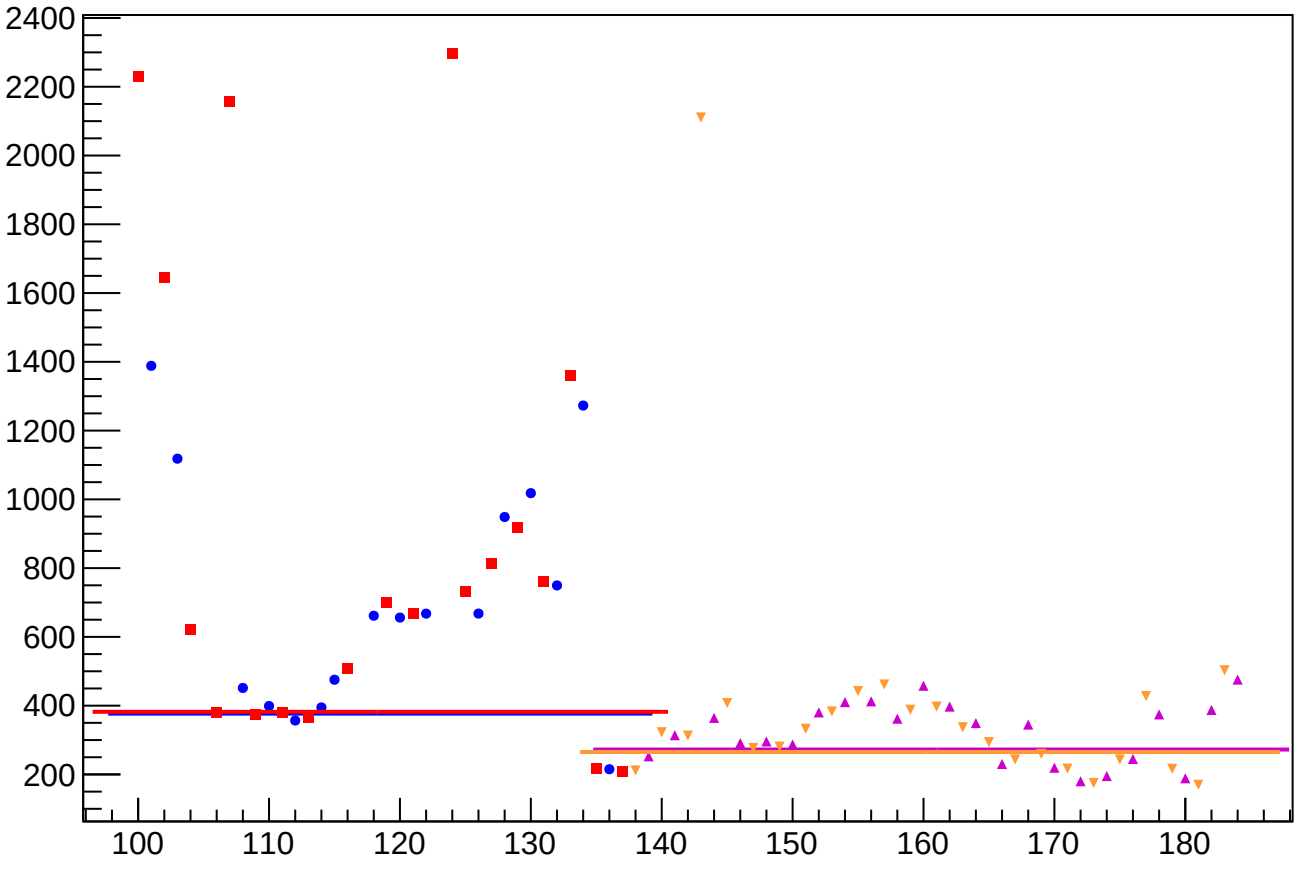
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.076+/-60.807 χ^2/NDF: 66.6/39

All: -138.609+/-43.517 χ^2/NDF: 94.9/81

- sign -120.271+/-62.305 χ^2/NDF: 28.0/41



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 265.309+/-0.046 χ^2/NDF:4528444.6/23

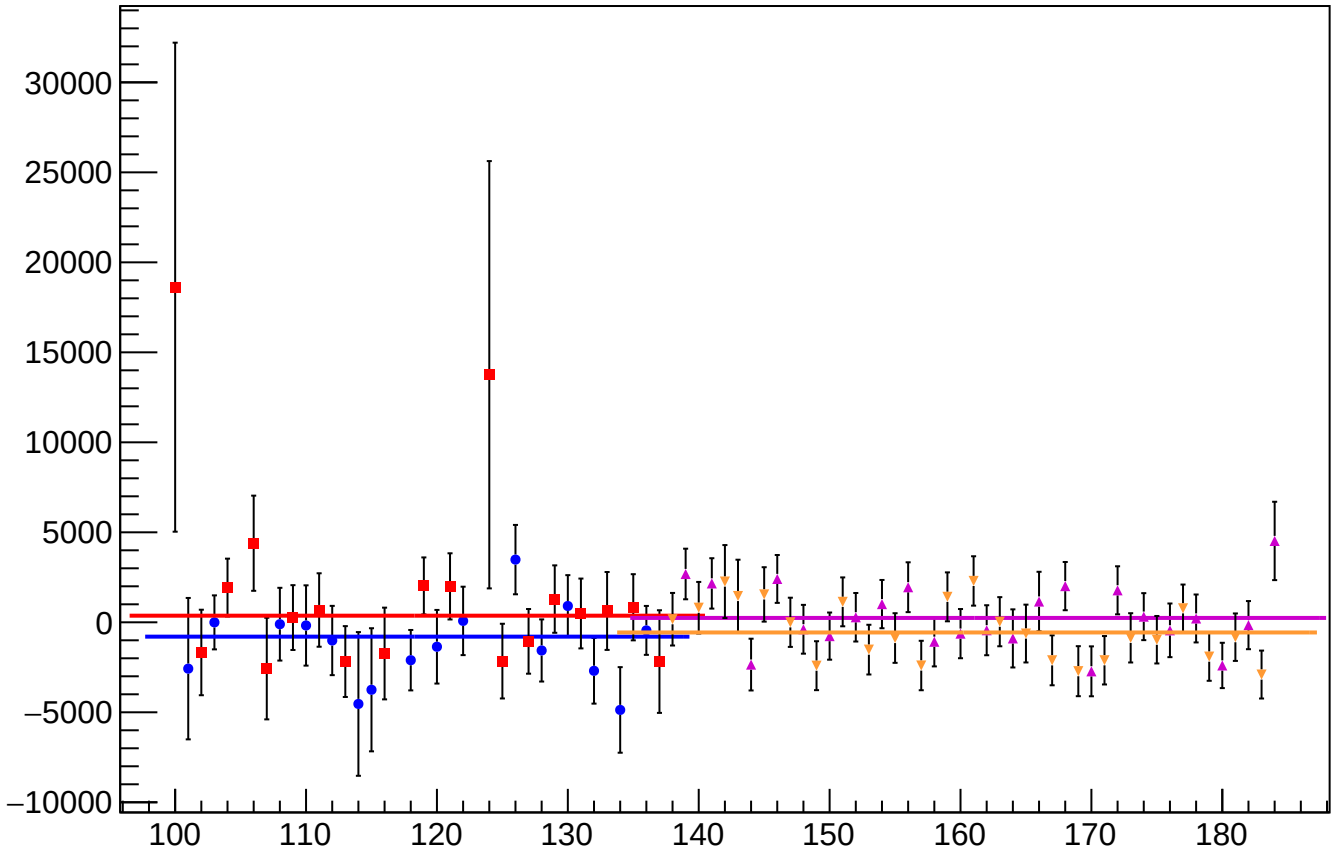
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 279.887+/-0.043 χ^2/NDF: 9486627.4/39

All: 283.469+/-0.031 χ^2/NDF: 17174245.5/81

- sign 287.229+/-0.044 χ^2/NDF: 7673394.8/41



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

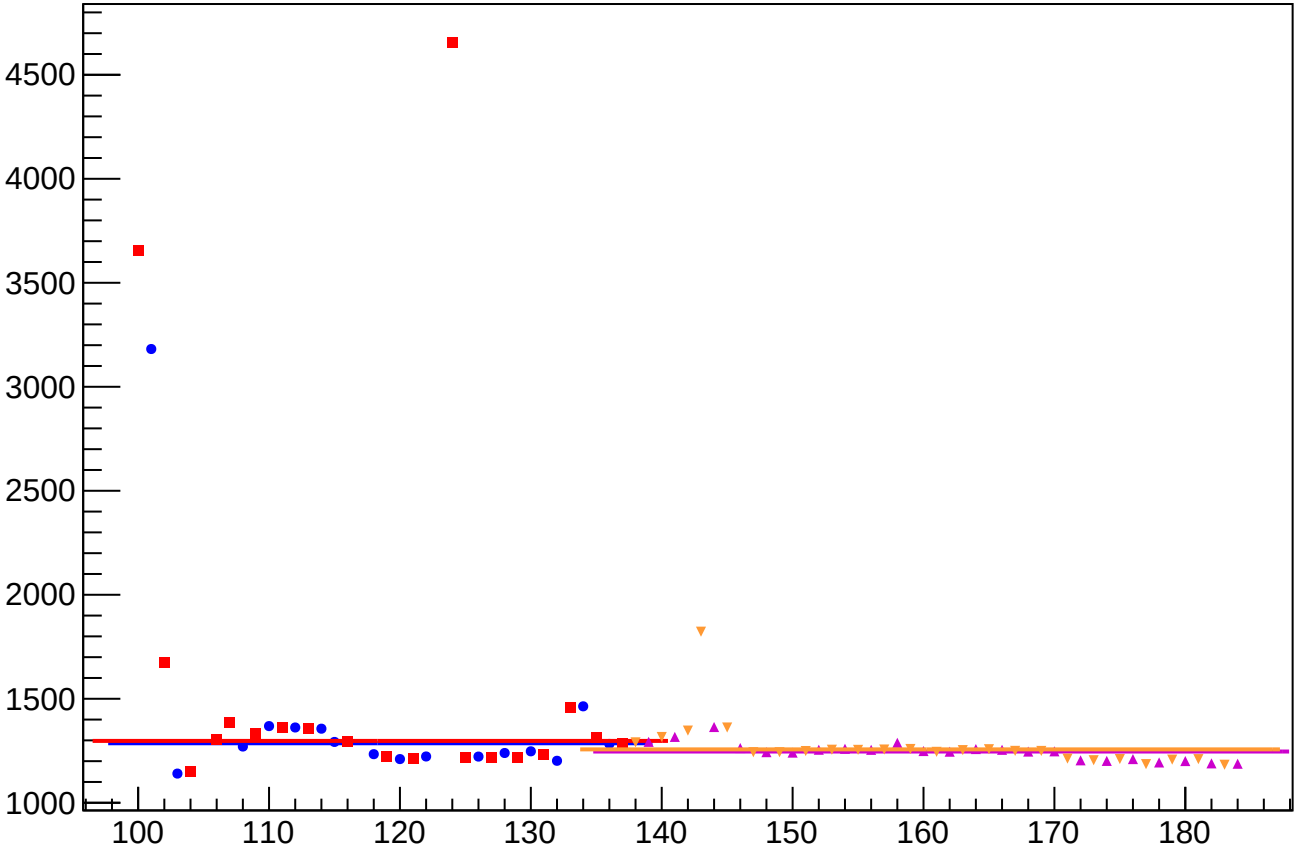
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -625.030+/-248.050 χ^2/NDF: 42.5/39

All: -177.917+/-176.020 χ^2/NDF: 96.8/81

- sign 275.594+/-249.819 χ^2/NDF: 47.8/41

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

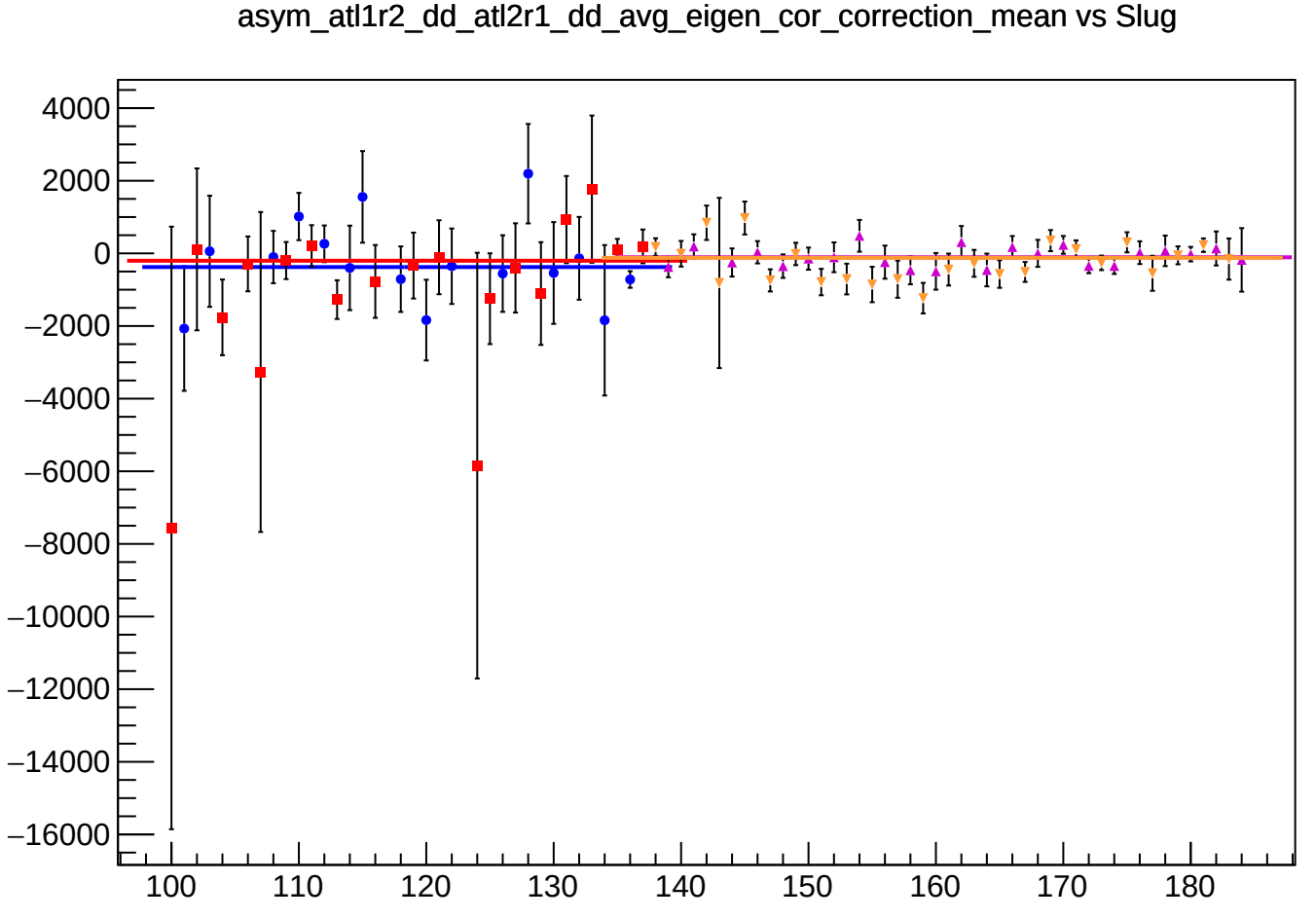
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.296+/-0.175 χ^2/NDF: 724507.0/39

All: 1262.075+/-0.124 χ^2/NDF: 1108643.8/81

- sign 1259.821+/-0.177 χ^2/NDF: 383813.6/41



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -122.907+/-65.216 χ^2/NDF:46.7/23

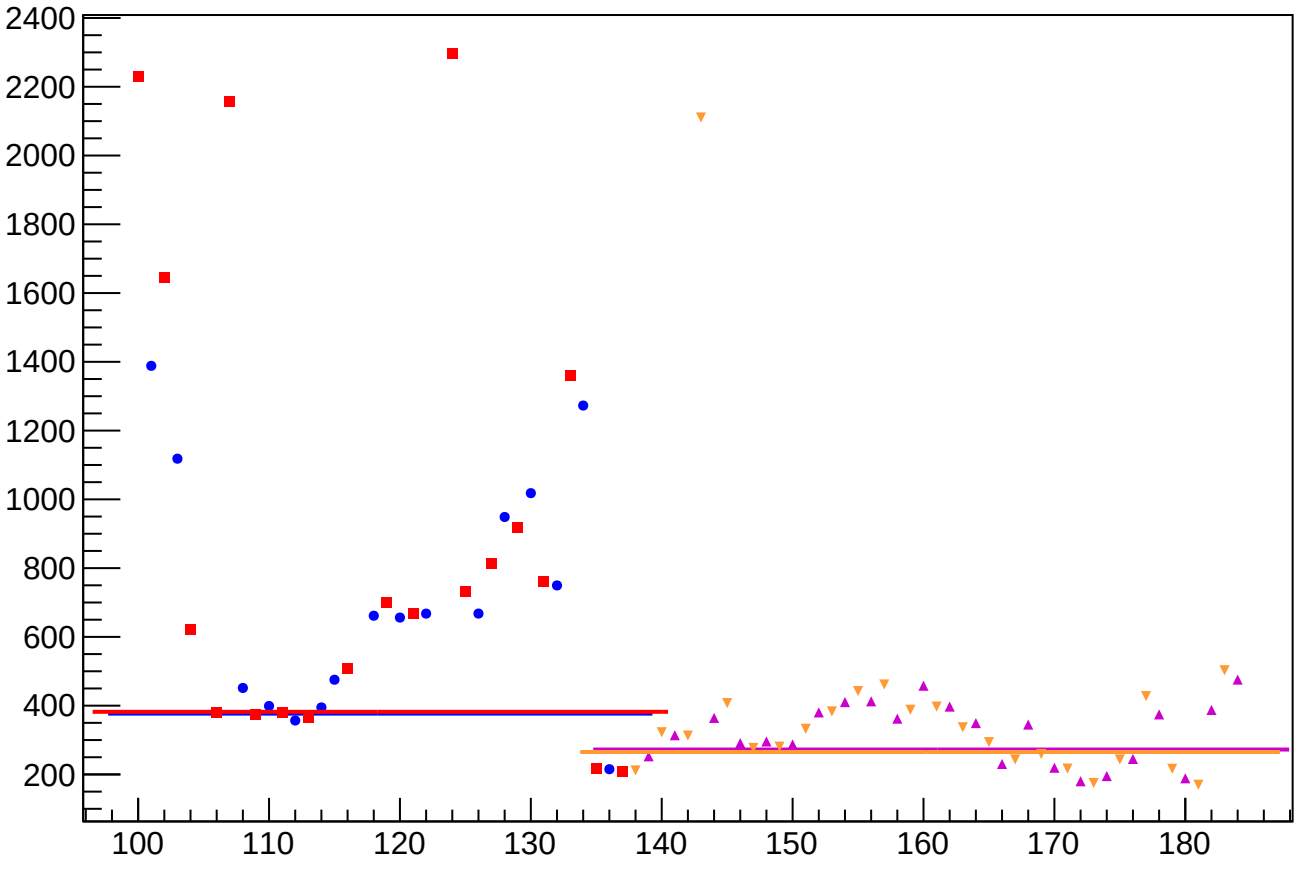
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.076+/-60.807 χ^2/NDF: 66.6/39

All: -138.609+/-43.517 χ^2/NDF: 94.9/81

- sign -120.271+/-62.305 χ^2/NDF: 28.0/41



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

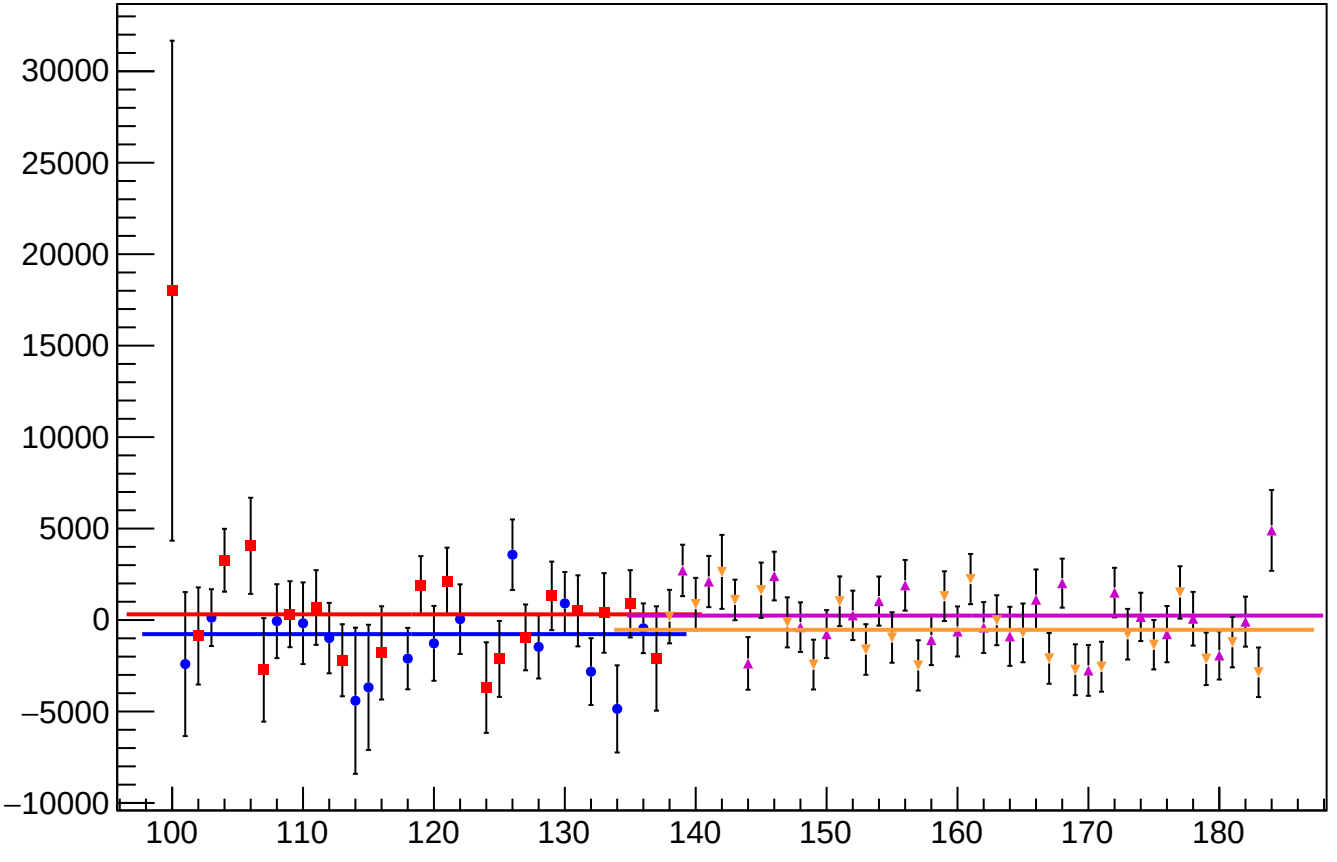
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 279.887+/-0.043 χ^2/NDF: 9486627.4/39

All: 283.469+/-0.031 χ^2/NDF: 17174245.5/81

- sign 287.229+/-0.044 χ^2/NDF: 7673394.8/41

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

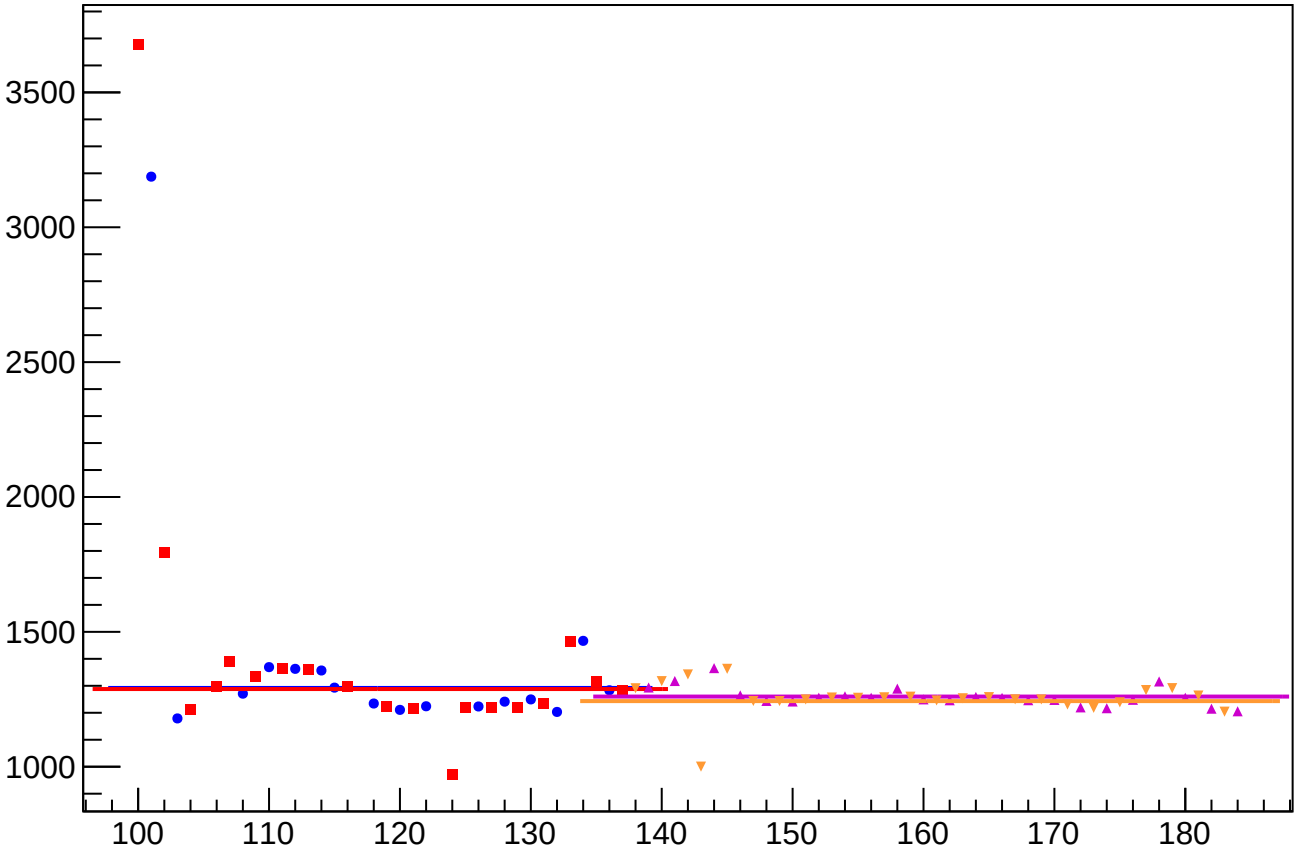
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -594.738+/-246.188 χ^2/NDF: 46.5/39

All: -175.741+/-175.859 χ^2/NDF: 101.1/81

- sign 260.821+/-251.295 χ^2/NDF: 48.6/41

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

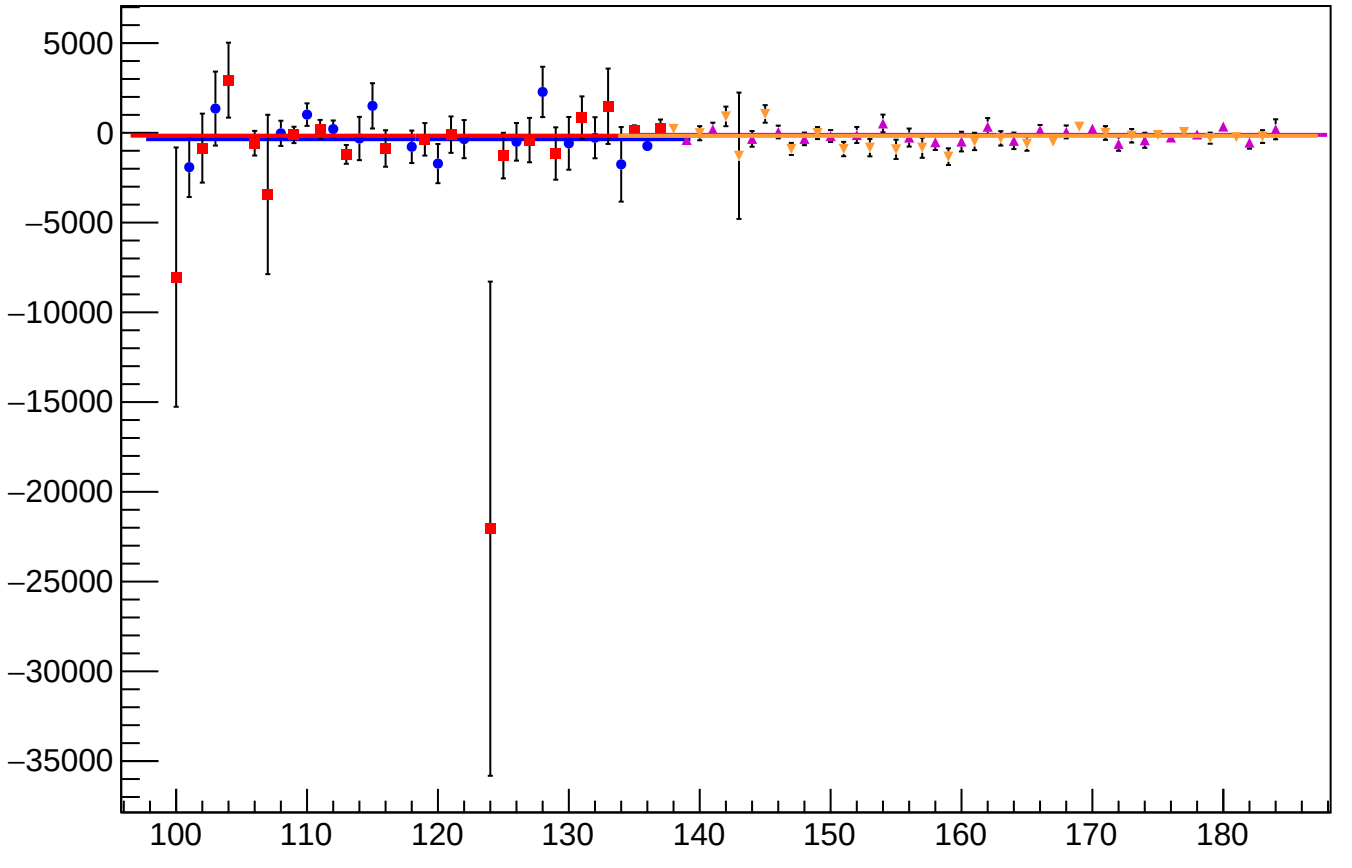
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1255.591+/-0.174 χ^2/NDF: 653390.0/39

All: 1261.500+/-0.124 χ^2/NDF: 897752.9/81

- sign 1267.656+/-0.178 χ^2/NDF: 242010.5/41



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -170.049+/-64.466 χ^2/NDF:41.8/23

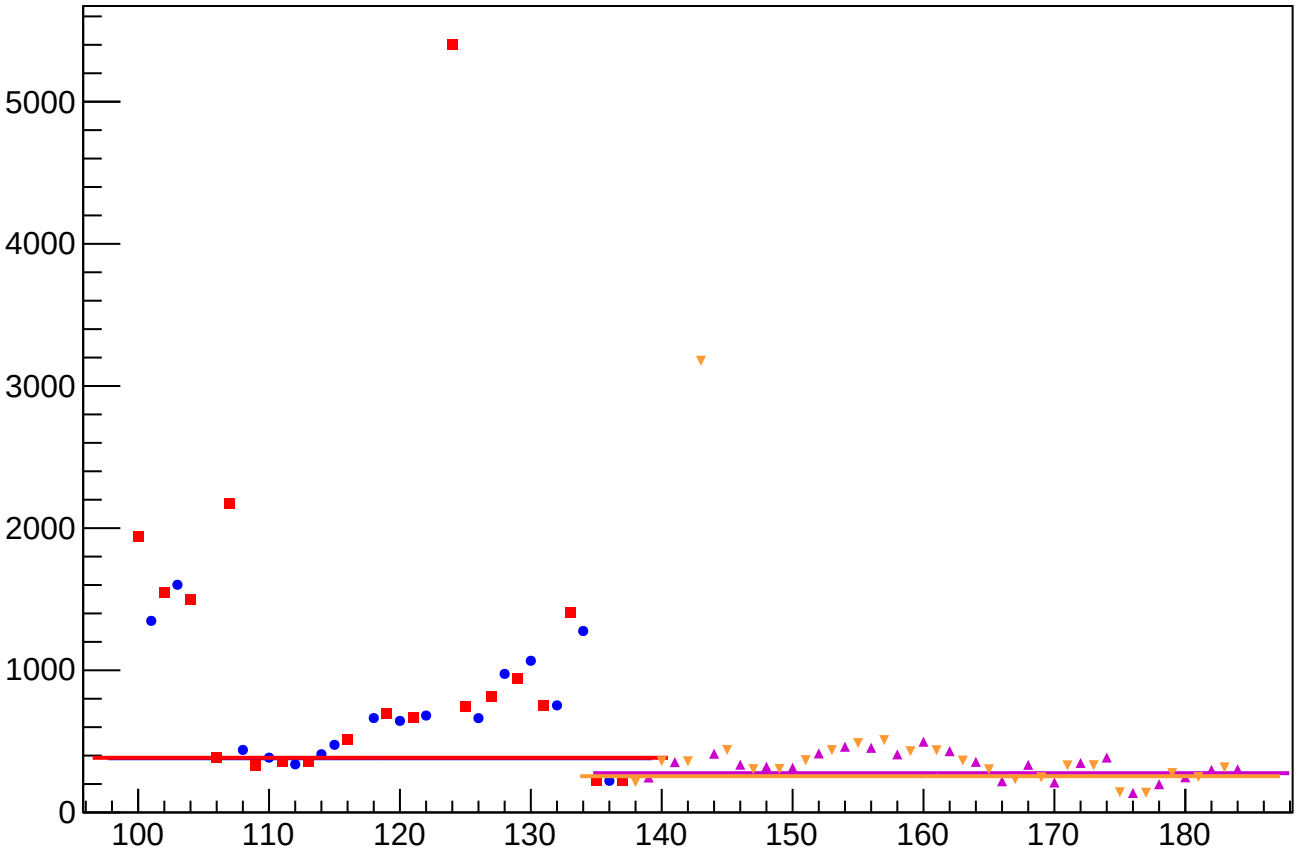
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -193.337+/-60.276 χ^2/NDF: 61.3/39

All: -158.729+/-43.811 χ^2/NDF: 96.1/81

- sign -119.970+/-63.790 χ^2/NDF: 34.1/41



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 255.087+/-0.046 χ^2/NDF:6352307.5/23

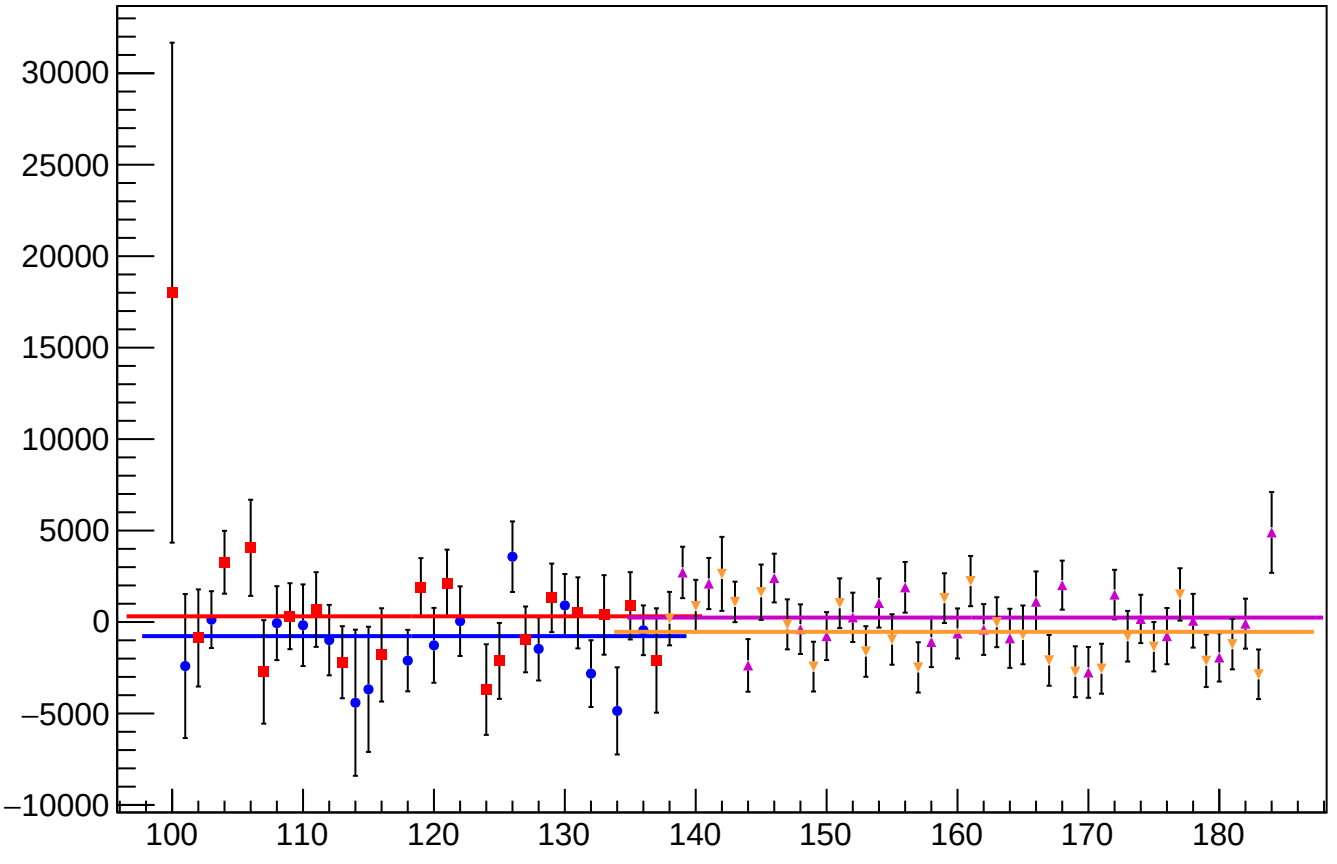
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 270.966+/-0.043 χ^2/NDF: 11635073.1/39

All: 280.706+/-0.031 χ^2/NDF: 21033786.4/81

- sign 291.615+/-0.045 χ^2/NDF: 9288002.2/41



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -534.921+/-284.814 χ^2/NDF:32.8/23

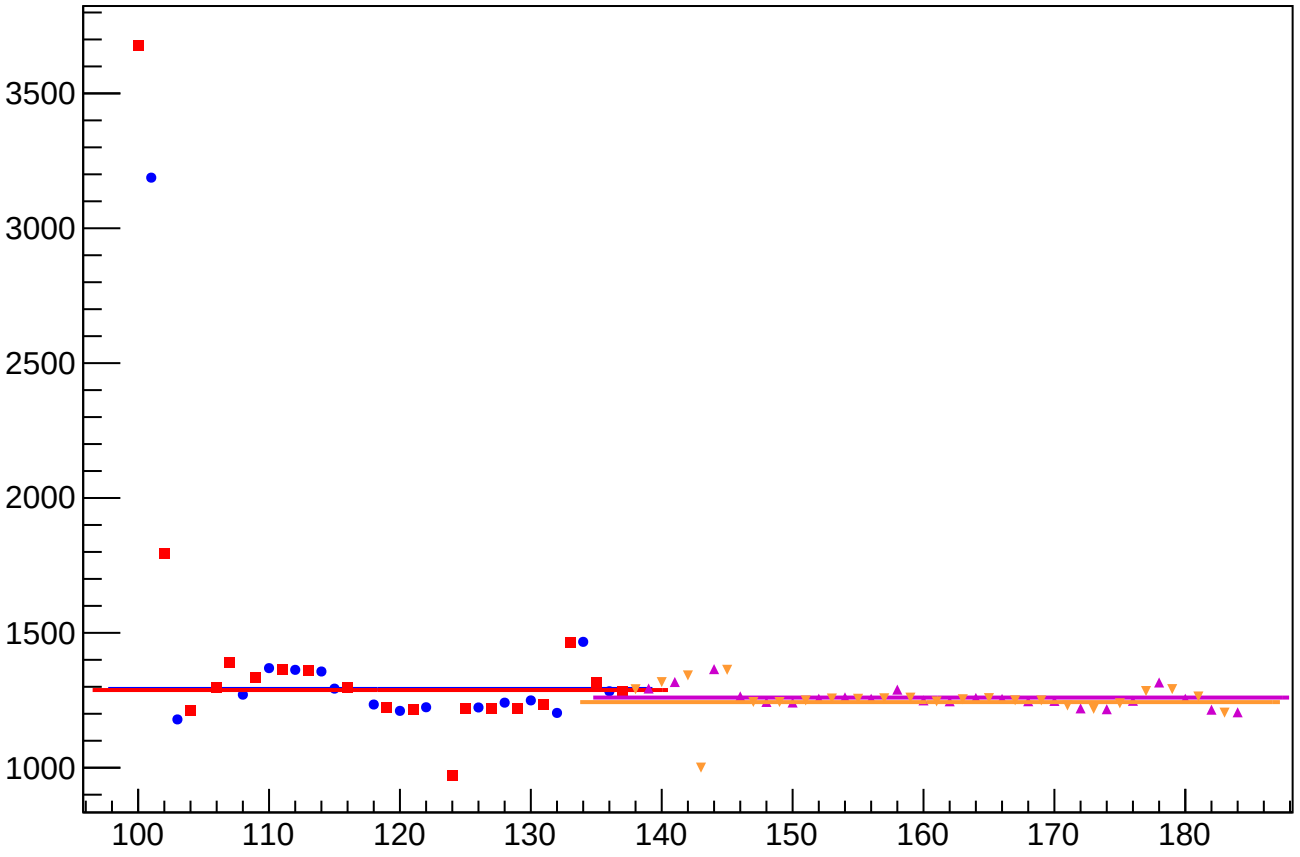
Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -594.738+/-246.188 χ^2/NDF: 46.5/39

All: -175.740+/-175.859 χ^2/NDF: 101.1/81

- sign 260.822+/-251.295 χ^2/NDF: 48.6/41



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1243.257+/-0.201 χ^2/NDF:129149.0/23

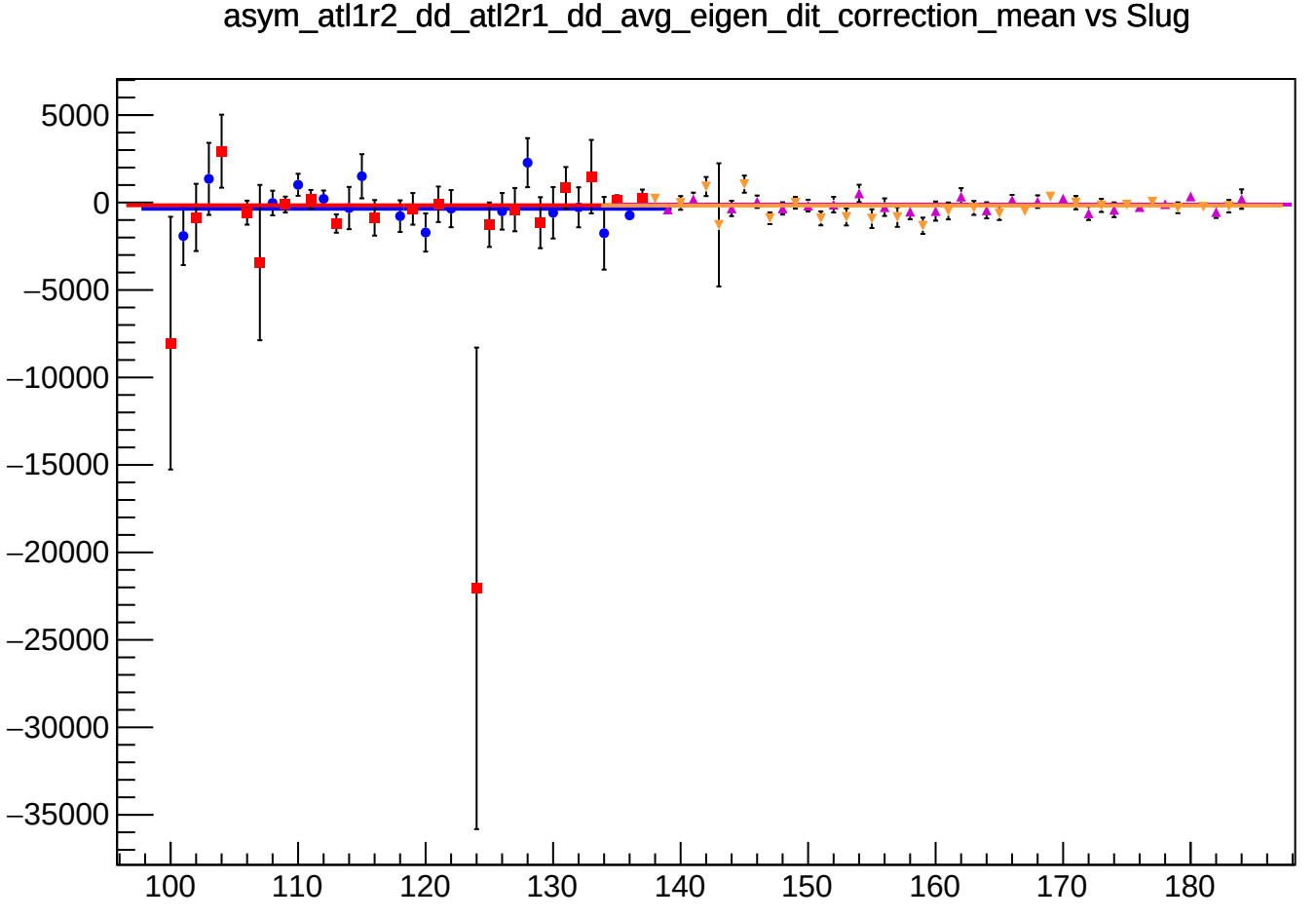
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1255.591+/-0.174 χ^2/NDF: 653389.1/39

All: 1261.499+/-0.124 χ^2/NDF: 897752.3/81

- sign 1267.656+/-0.178 χ^2/NDF: 242010.8/41



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -170.053+/-64.466 χ^2/NDF:41.8/23

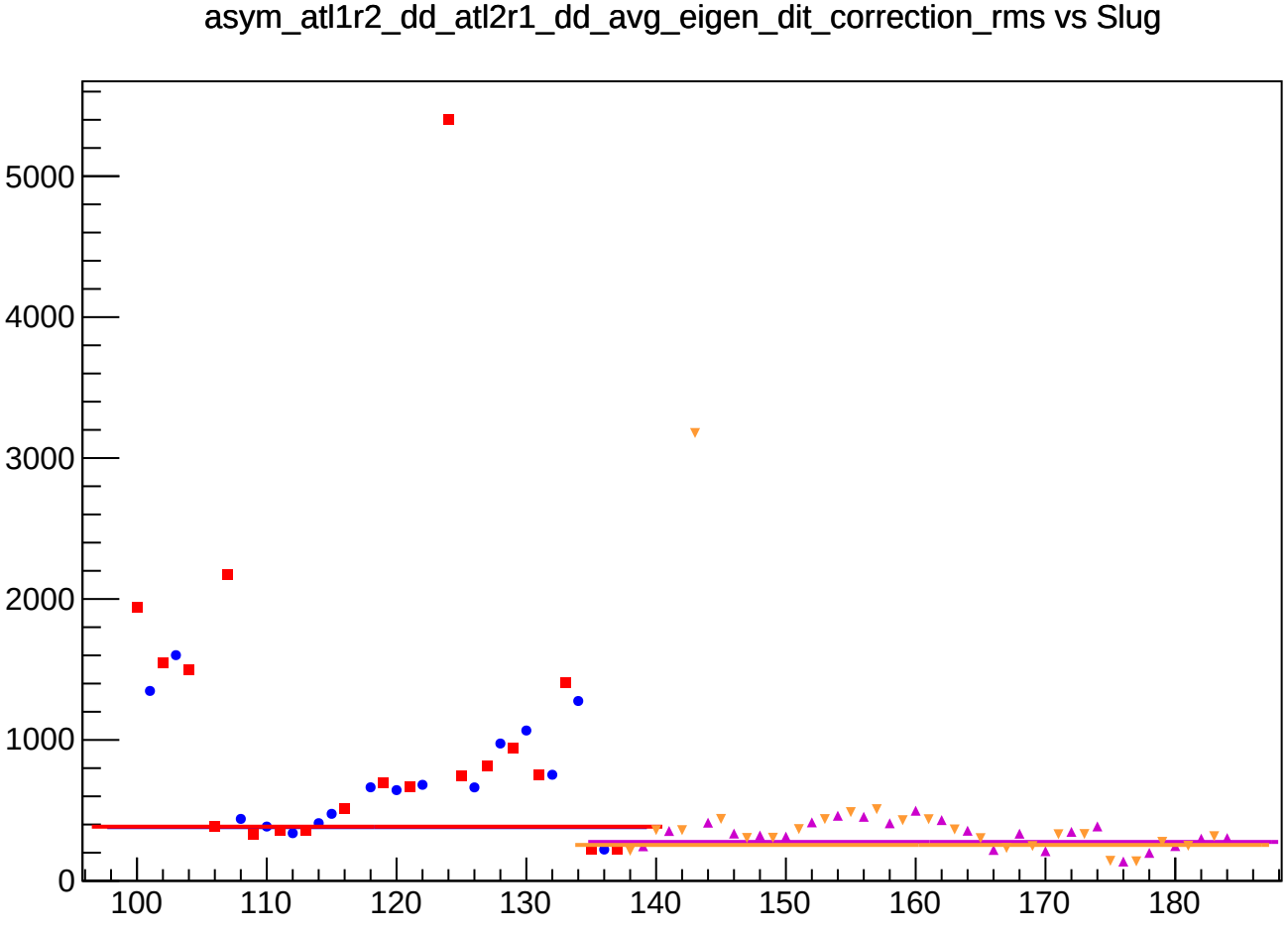
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -193.340+/-60.277 χ^2/NDF: 61.3/39

All: -158.730+/-43.811 χ^2/NDF: 96.1/81

- sign -119.969+/-63.790 χ^2/NDF: 34.1/41



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

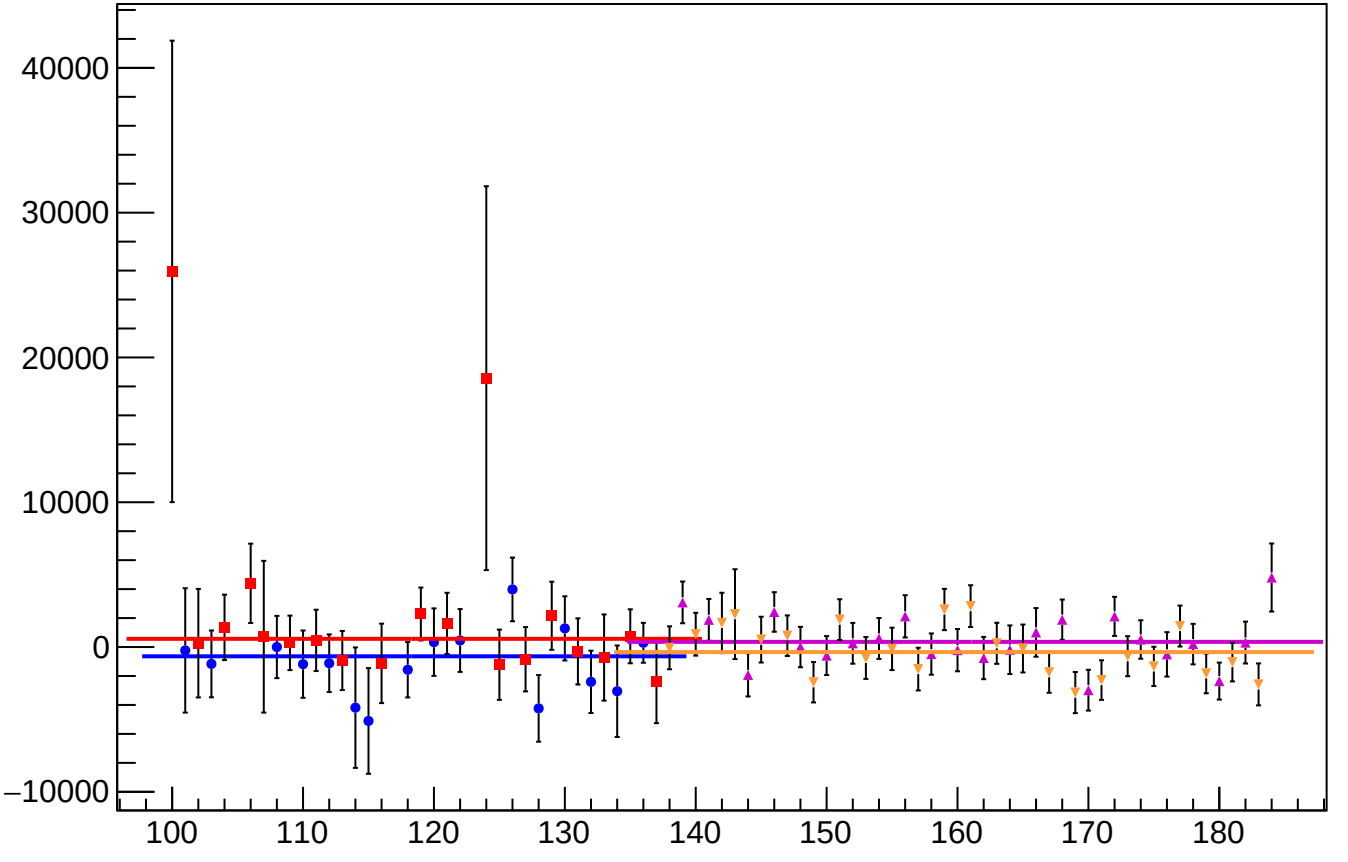
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 270.968+/-0.043 χ^2/NDF: 11634892.8/39

All: 280.708+/-0.031 χ^2/NDF: 21033495.4/81

- sign 291.616+/-0.045 χ^2/NDF: 9287901.2/41

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

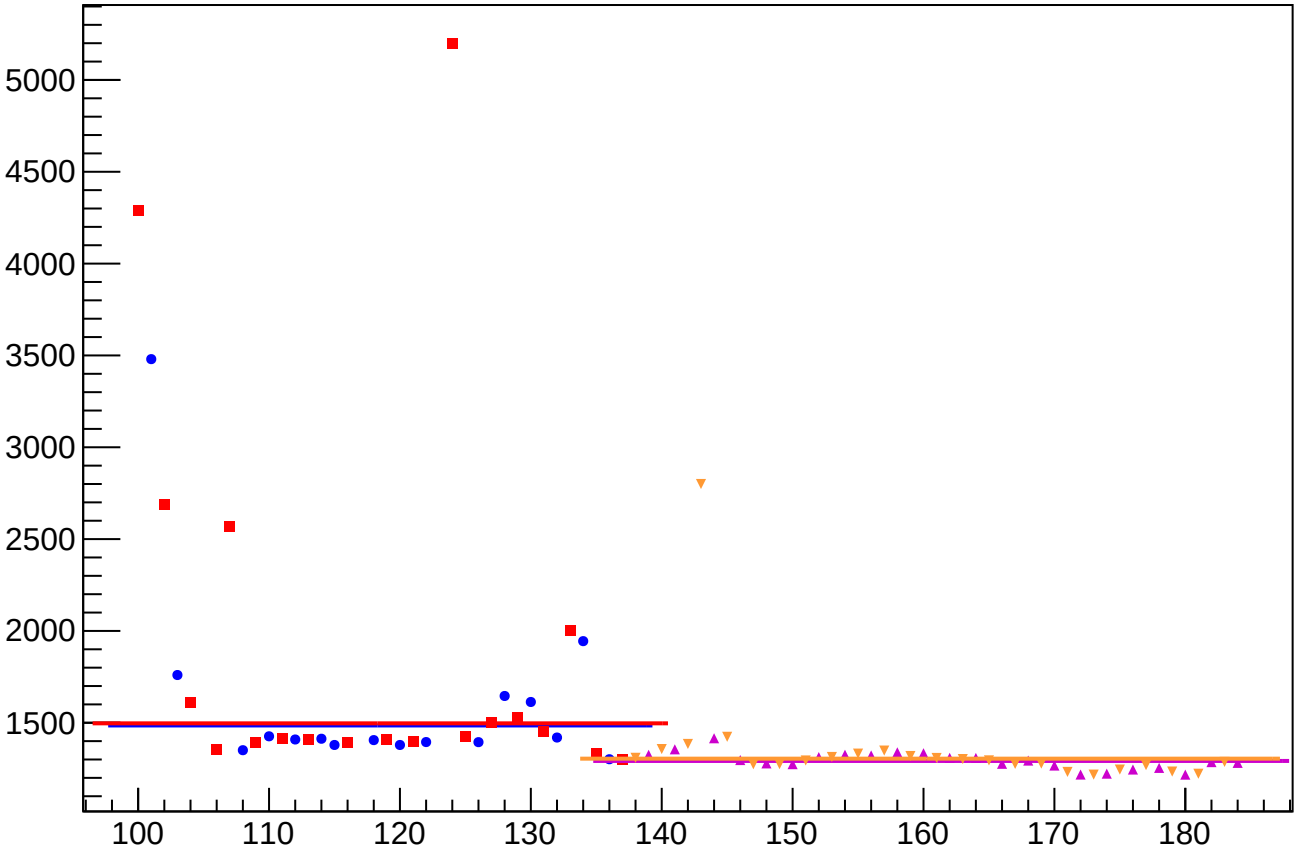
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -412.115+/-265.181 χ^2/NDF: 43.7/39

All: -6.518+/-187.961 χ^2/NDF: 89.5/81

- sign 402.993+/-266.458 χ^2/NDF: 41.1/41

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

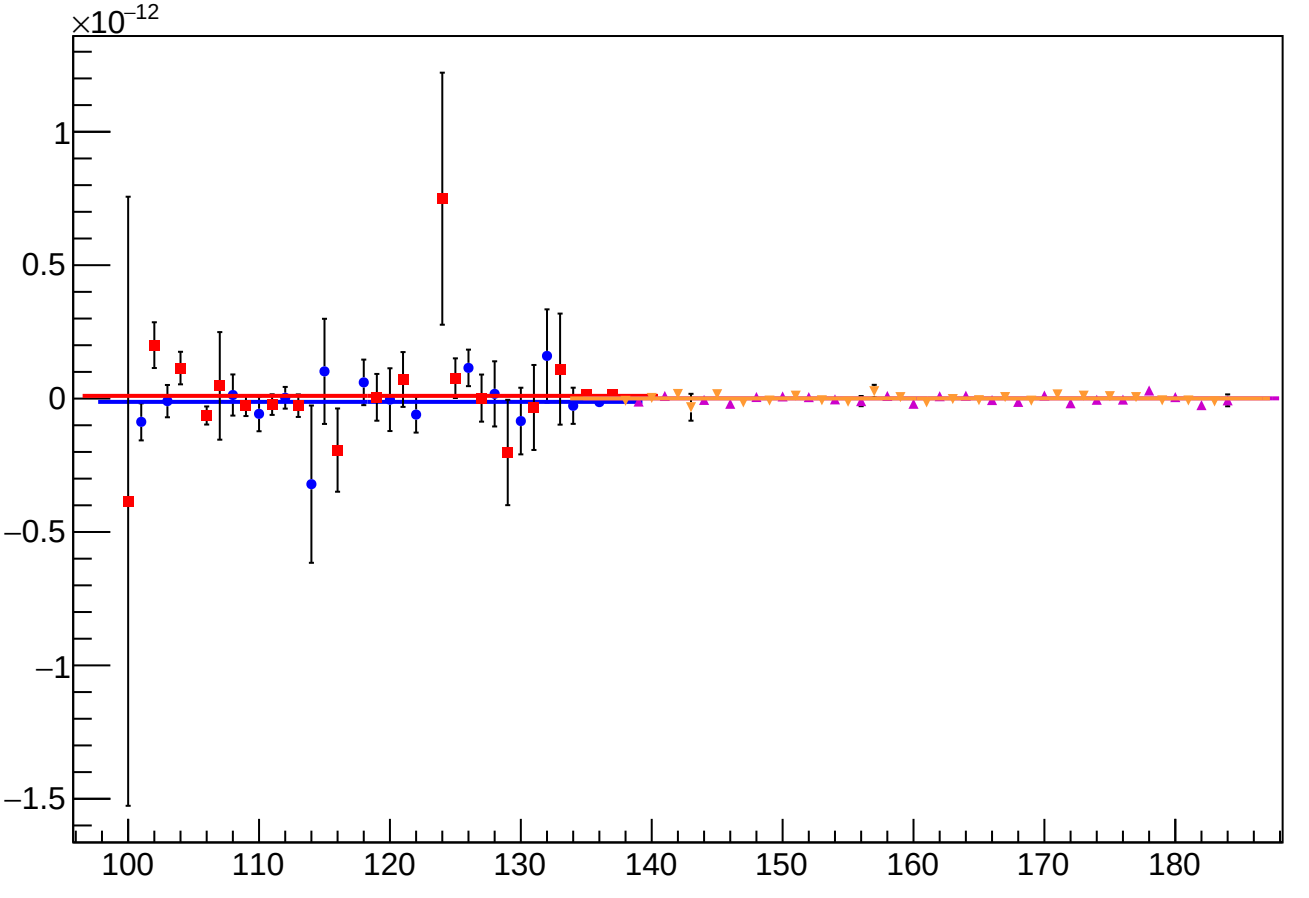
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1344.489+/-0.188 χ^2/NDF: 1263751.0/39

All: 1340.949+/-0.133 χ^2/NDF: 2139410.0/81

- sign 1337.376+/-0.188 χ^2/NDF: 874943.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/23

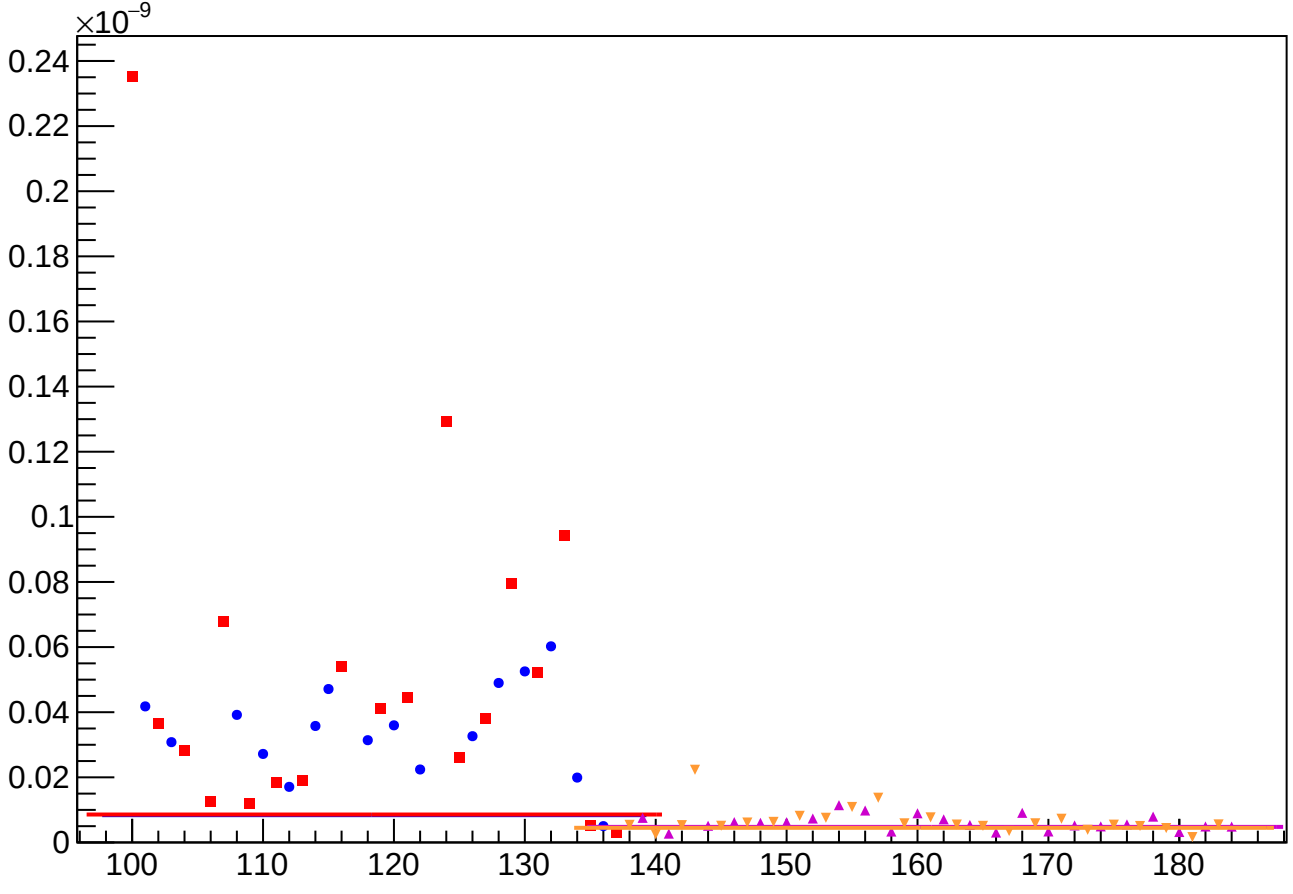
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/39

All: 0.000+/-0.000 χ^2/NDF: 89.4/81

- sign 0.000+/-0.000 χ^2/NDF: 53.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2705686.3/23

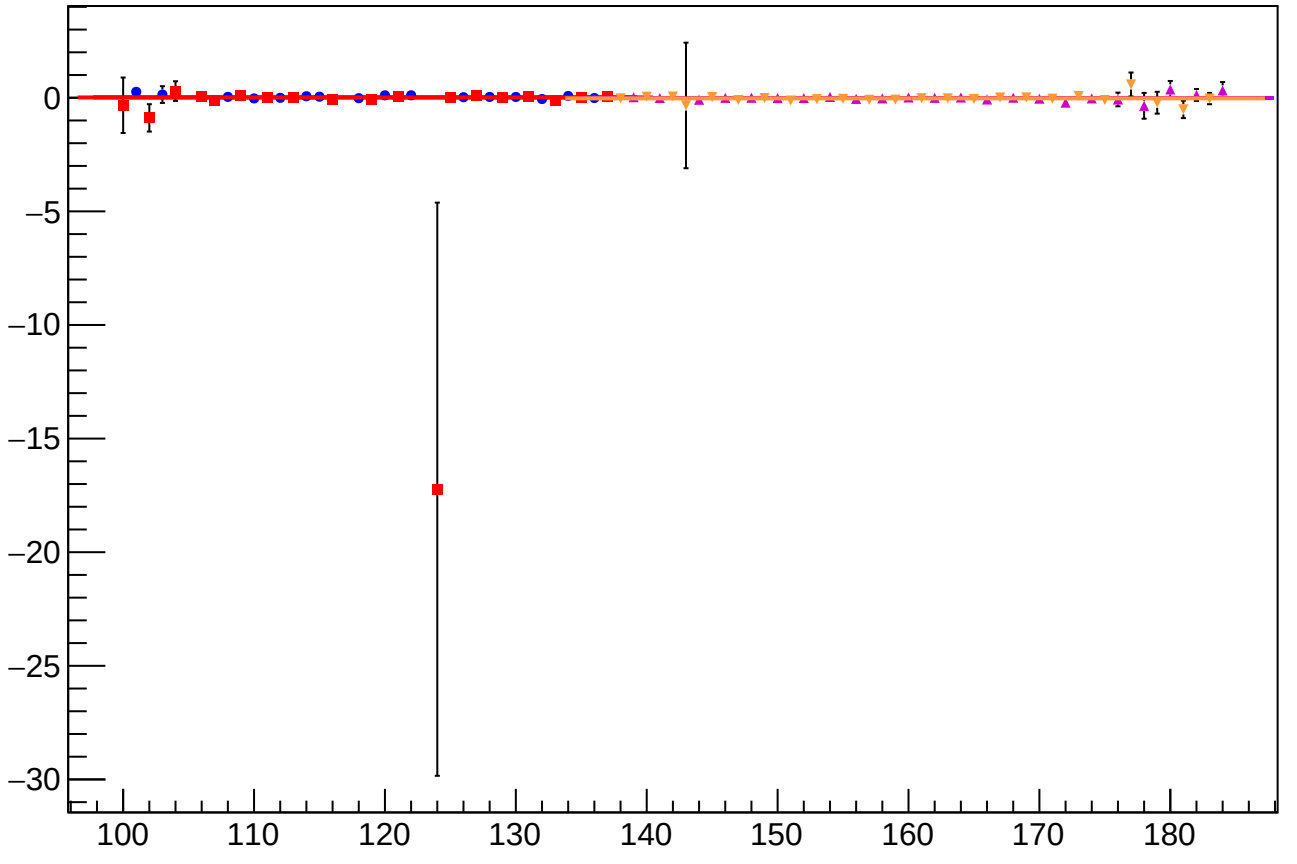
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6279024.6/39

All: 0.000+/-0.000 χ^2/NDF: 11956261.6/81

- sign 0.000+/-0.000 χ^2/NDF: 5655780.8/41



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

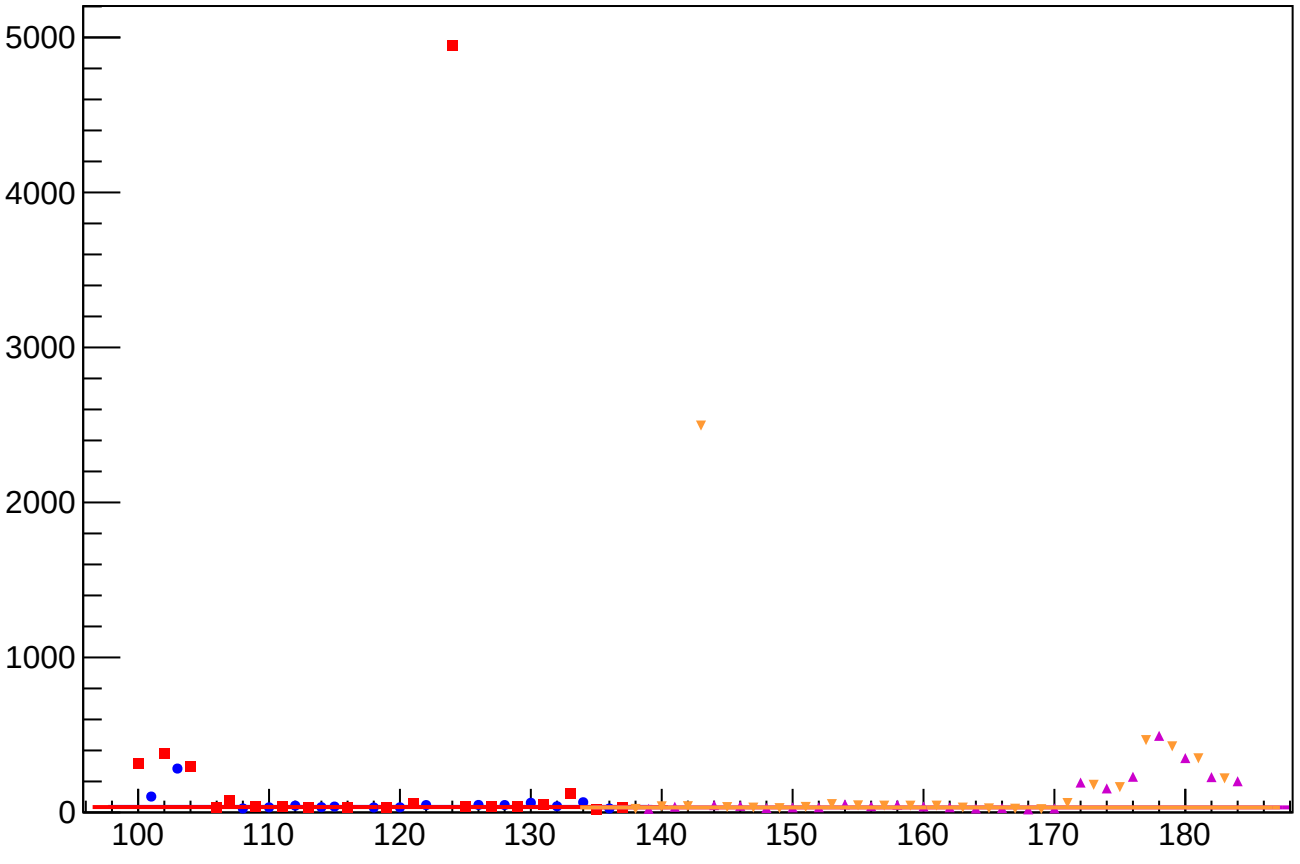
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 76.3/81

- sign -0.004+/-0.008 χ^2/NDF: 31.0/41



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.444+/-0.007 χ^2/NDF:10530020.3/23

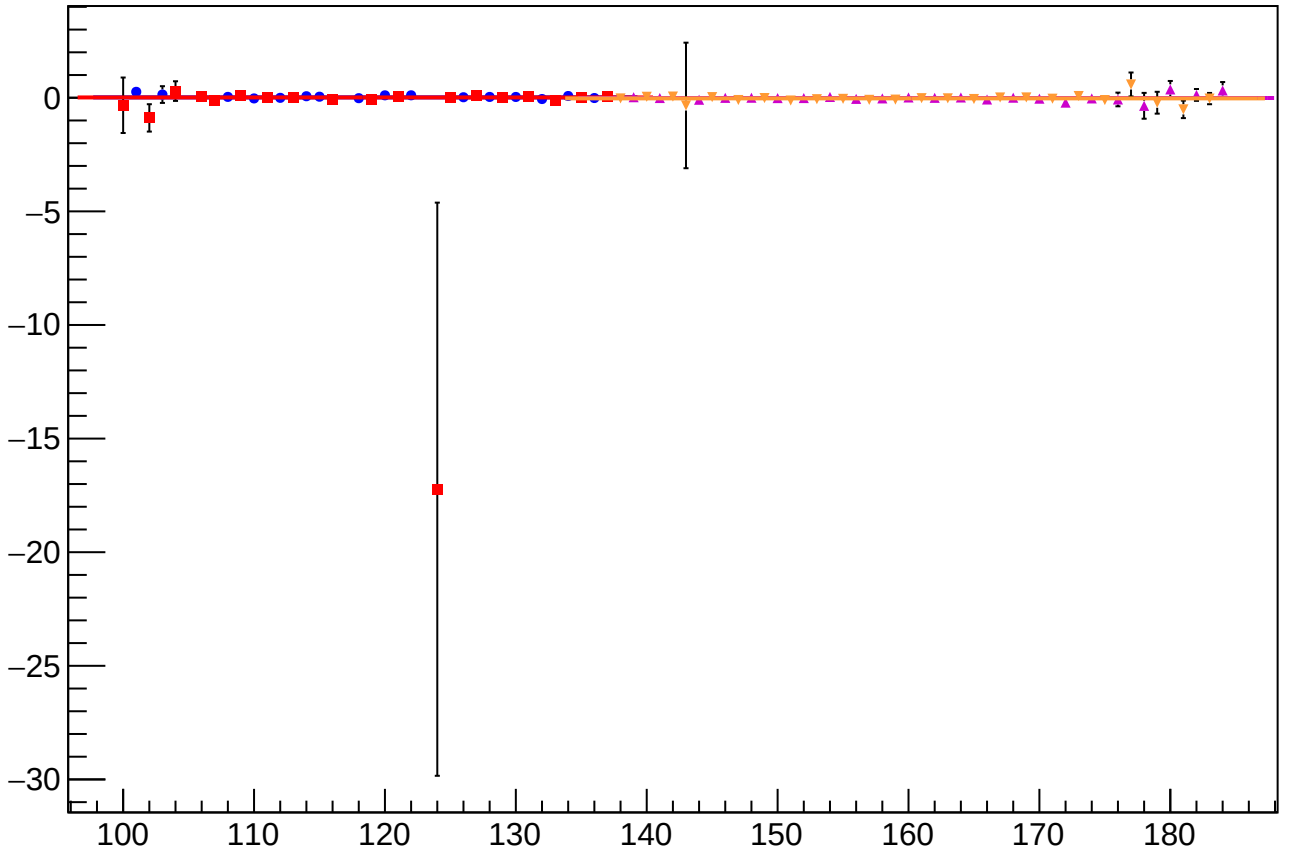
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.351+/-0.006 χ^2/NDF: 12860894.2/39

All: 33.323+/-0.004 χ^2/NDF: 24763673.0/81

- sign 33.294+/-0.006 χ^2/NDF: 11902728.8/41



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

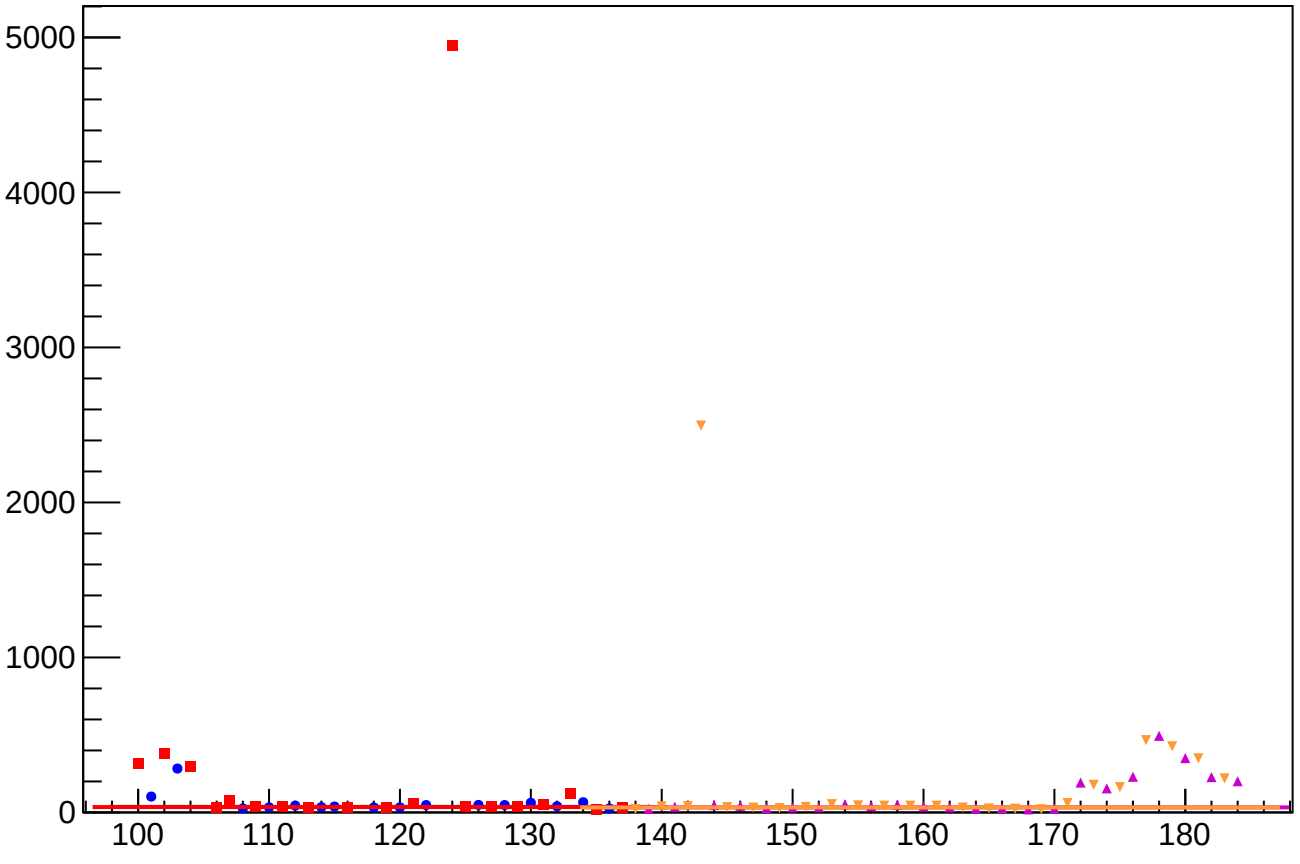
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 76.3/81

- sign -0.004+/-0.008 χ^2/NDF: 31.0/41



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.444+/-0.007 χ^2/NDF:10530020.3/23

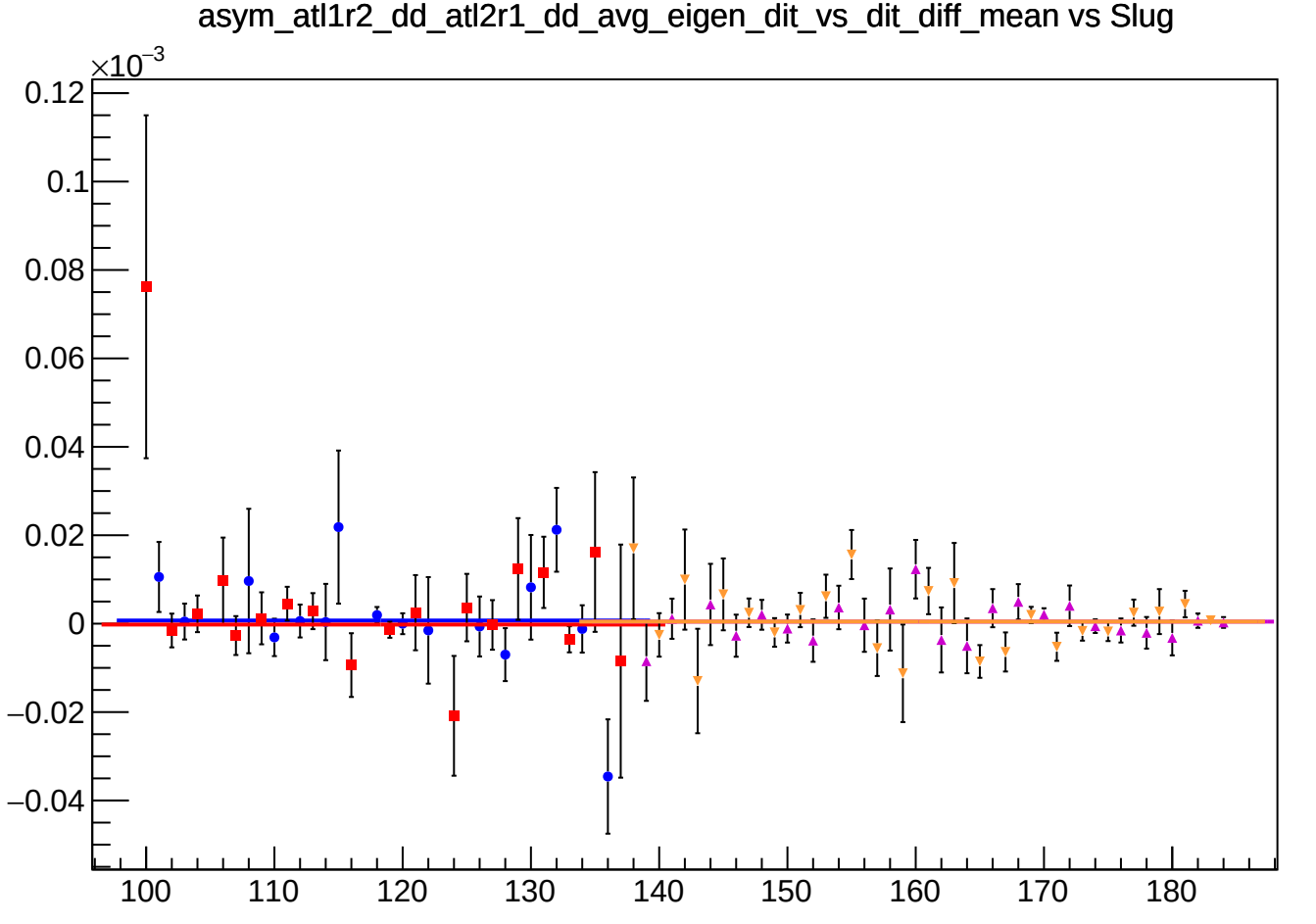
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.351+/-0.006 χ^2/NDF: 12860894.2/39

All: 33.323+/-0.004 χ^2/NDF: 24763673.0/81

- sign 33.294+/-0.006 χ^2/NDF: 11902728.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/23

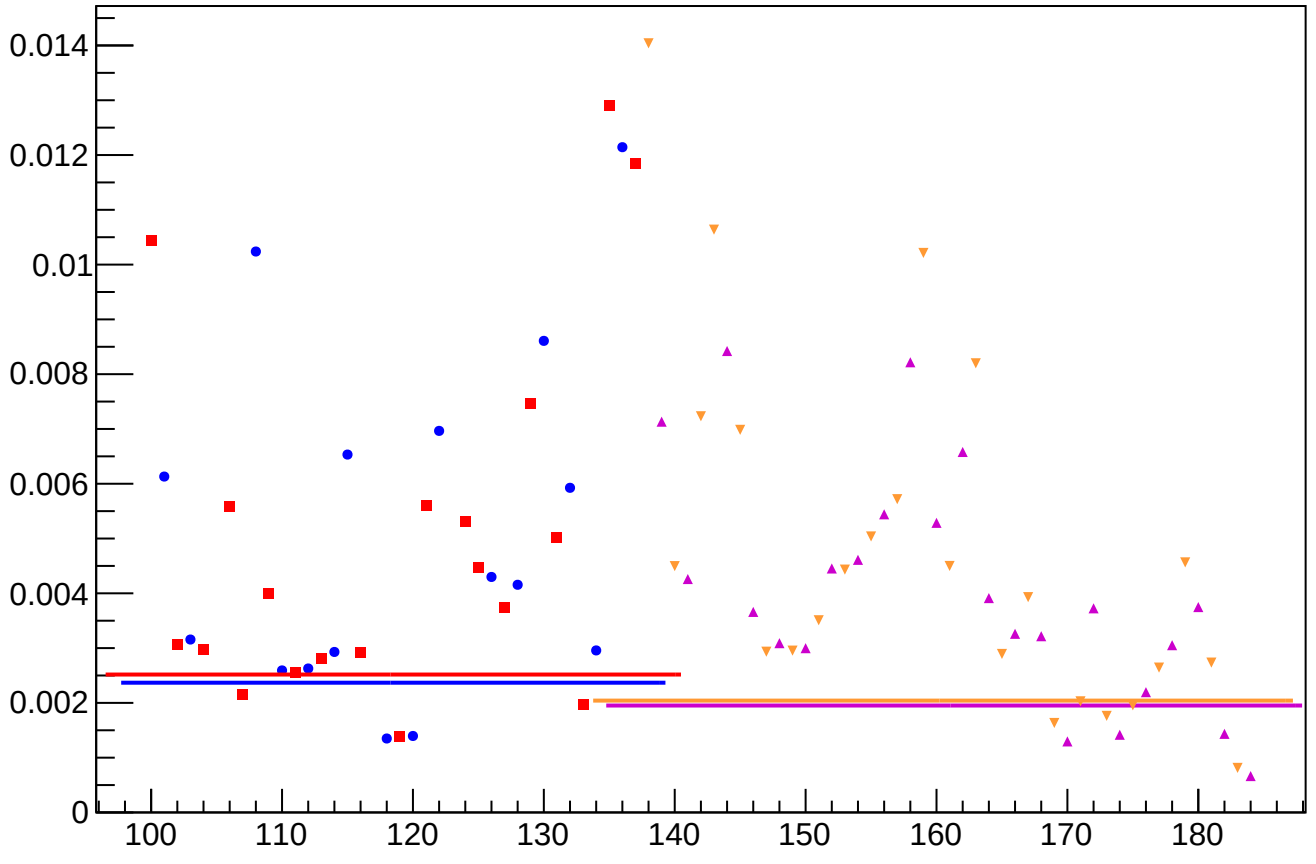
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/39

All: 0.000+/-0.000 χ^2/NDF: 87.0/81

- sign 0.000+/-0.000 χ^2/NDF: 32.1/41



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:13164720.2/23

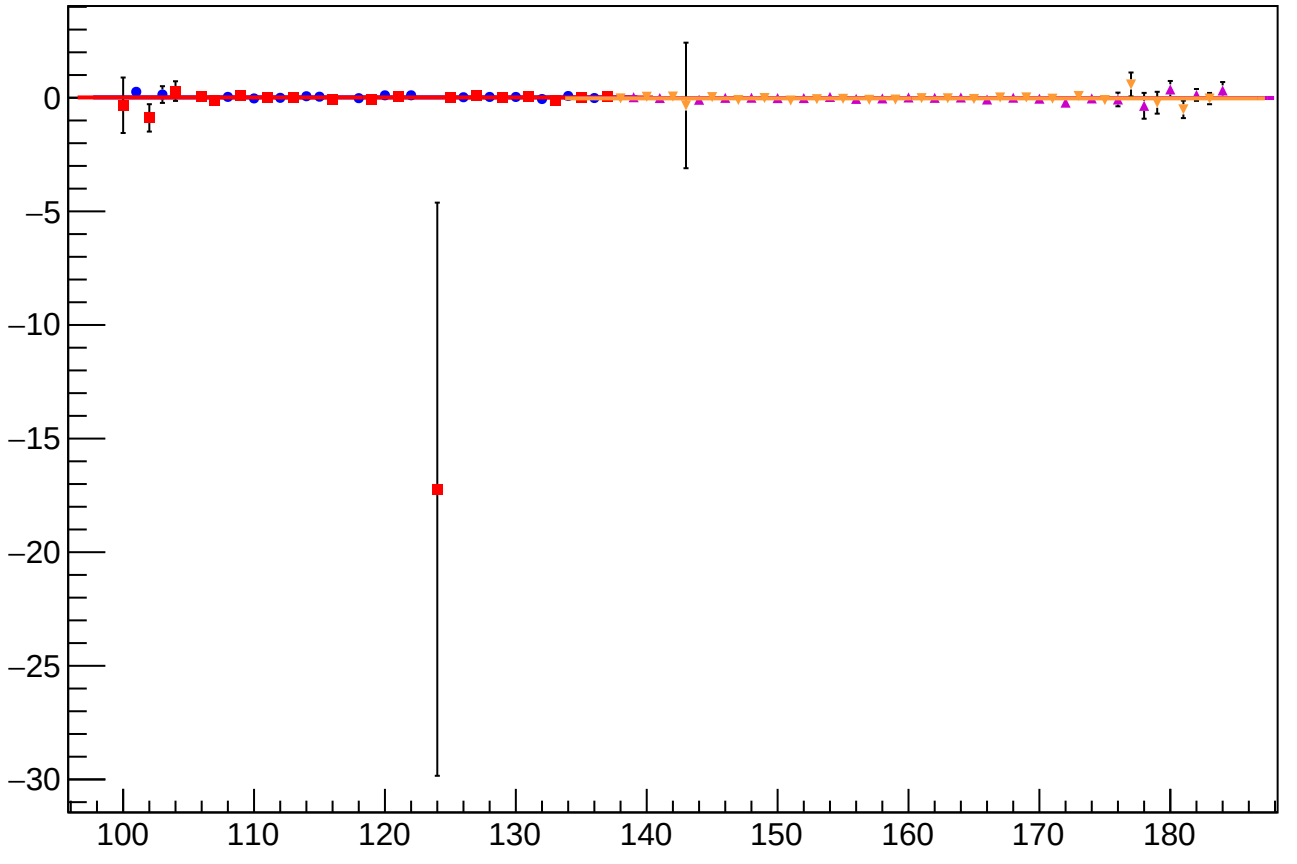
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 18020952.9/39

All: 0.002+/-0.000 χ^2/NDF: 33333488.4/81

- sign 0.002+/-0.000 χ^2/NDF: 15308811.6/41



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

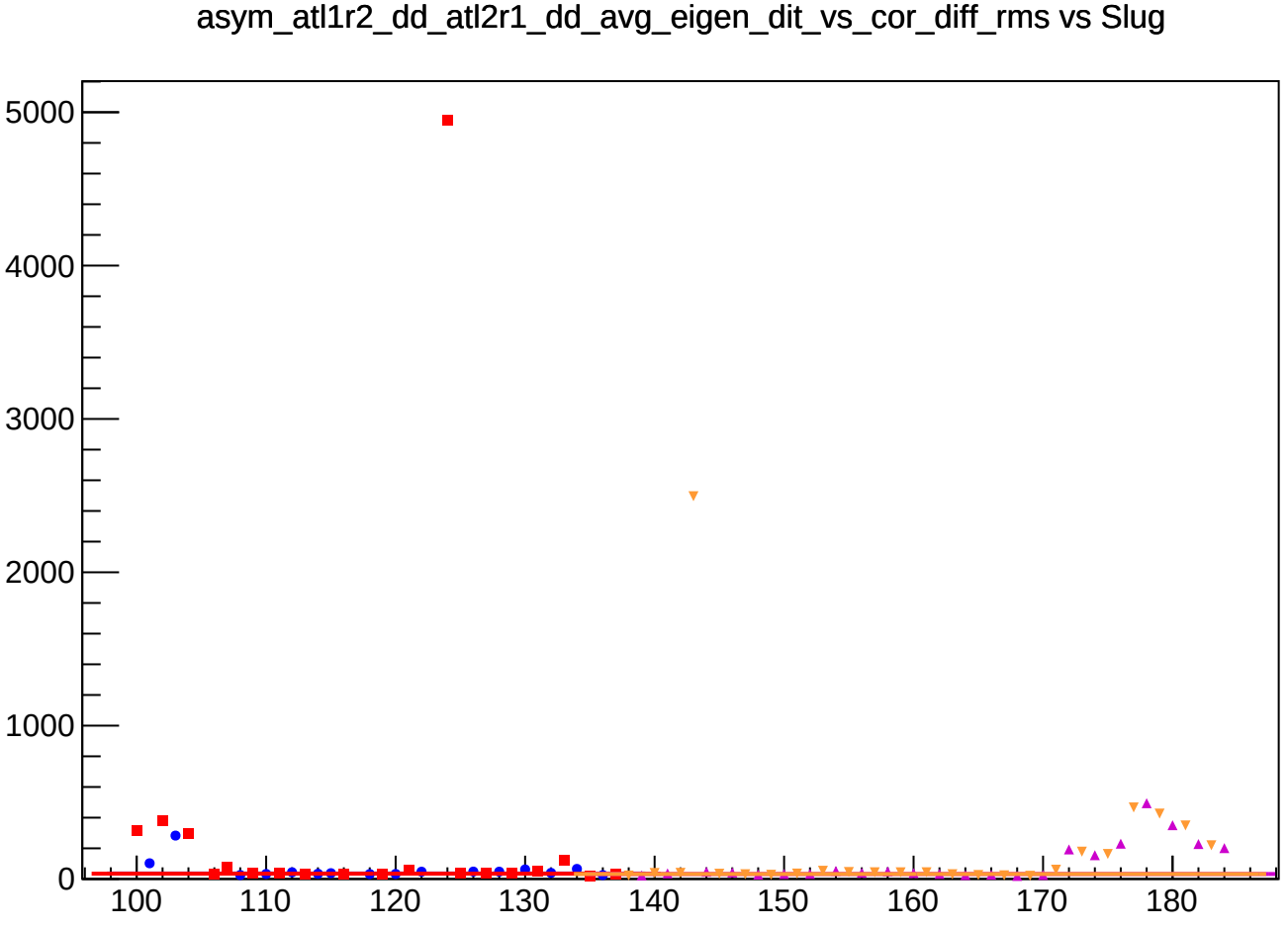
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 76.3/81

- sign -0.004+/-0.008 χ^2/NDF: 31.0/41



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.443+/-0.007 χ^2/NDF:10530277.3/23

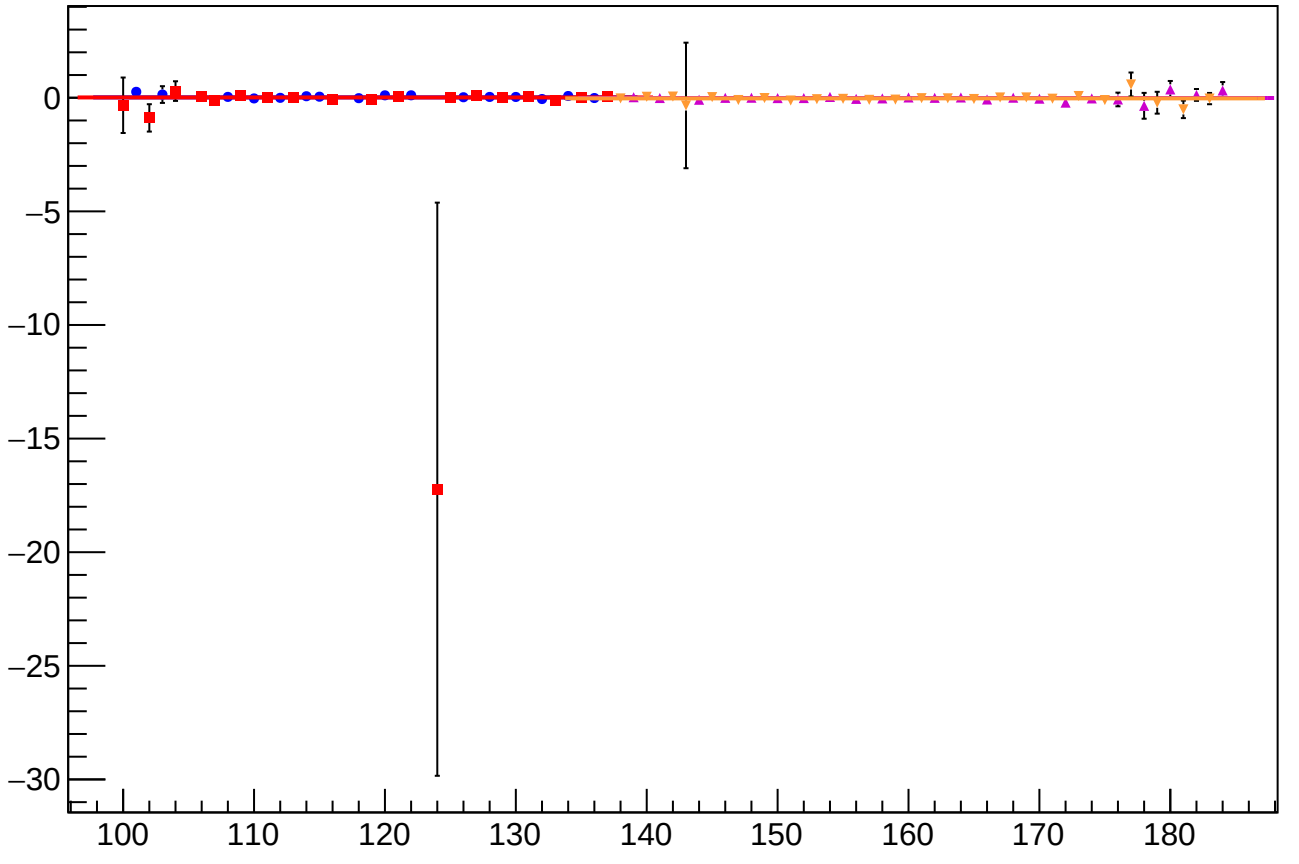
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.352+/-0.006 χ^2/NDF: 12860941.3/39

All: 33.323+/-0.004 χ^2/NDF: 24764235.2/81

- sign 33.293+/-0.006 χ^2/NDF: 11903242.3/41



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-0.010 χ^2/NDF:26.9/23

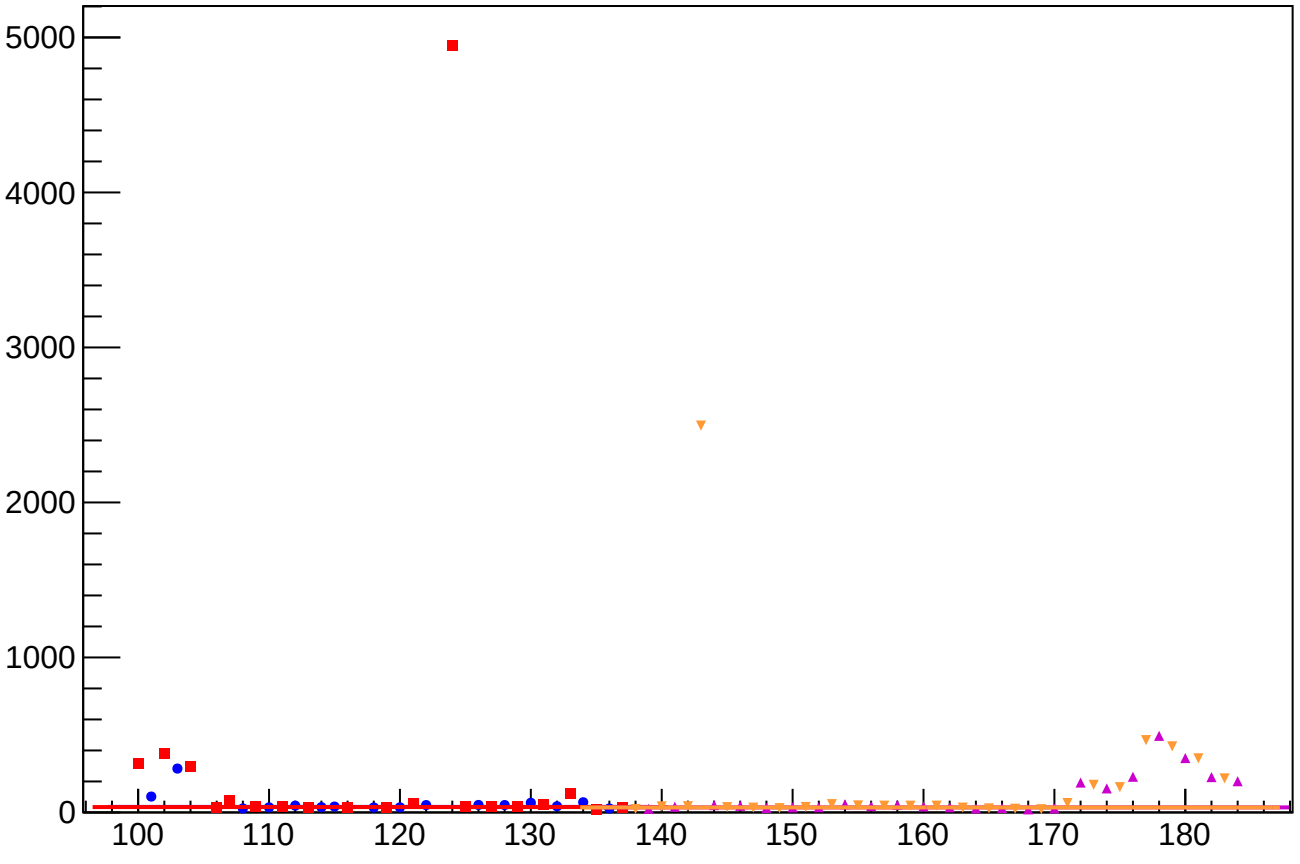
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 44.3/39

All: -0.010+/-0.006 χ^2/NDF: 76.3/81

- sign -0.004+/-0.008 χ^2/NDF: 31.0/41



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.443+/-0.007 χ^2/NDF:10530277.3/23

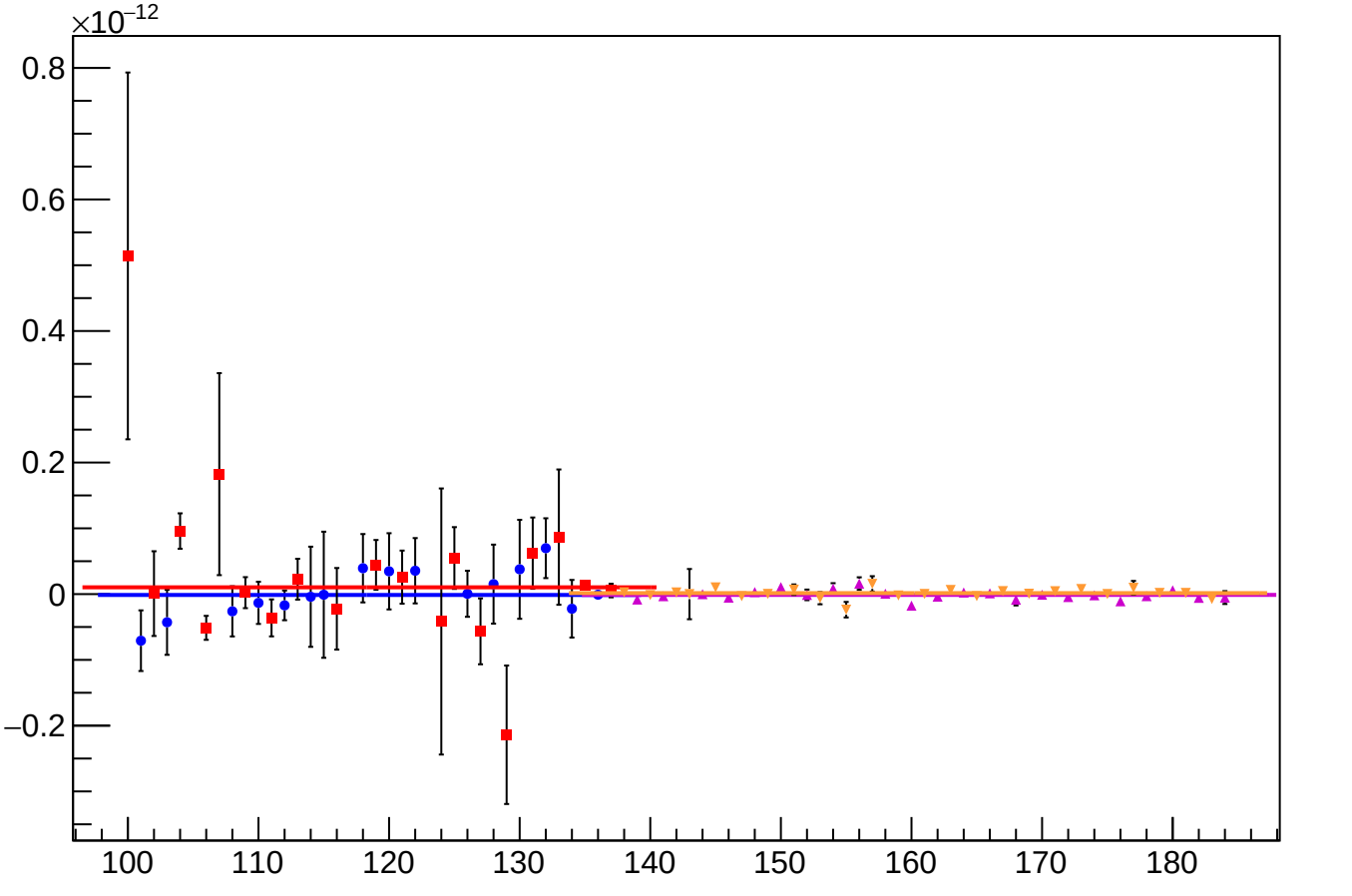
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.352+/-0.006 χ^2/NDF: 12860941.3/39

All: 33.323+/-0.004 χ^2/NDF: 24764235.2/81

- sign 33.293+/-0.006 χ^2/NDF: 11903242.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/23

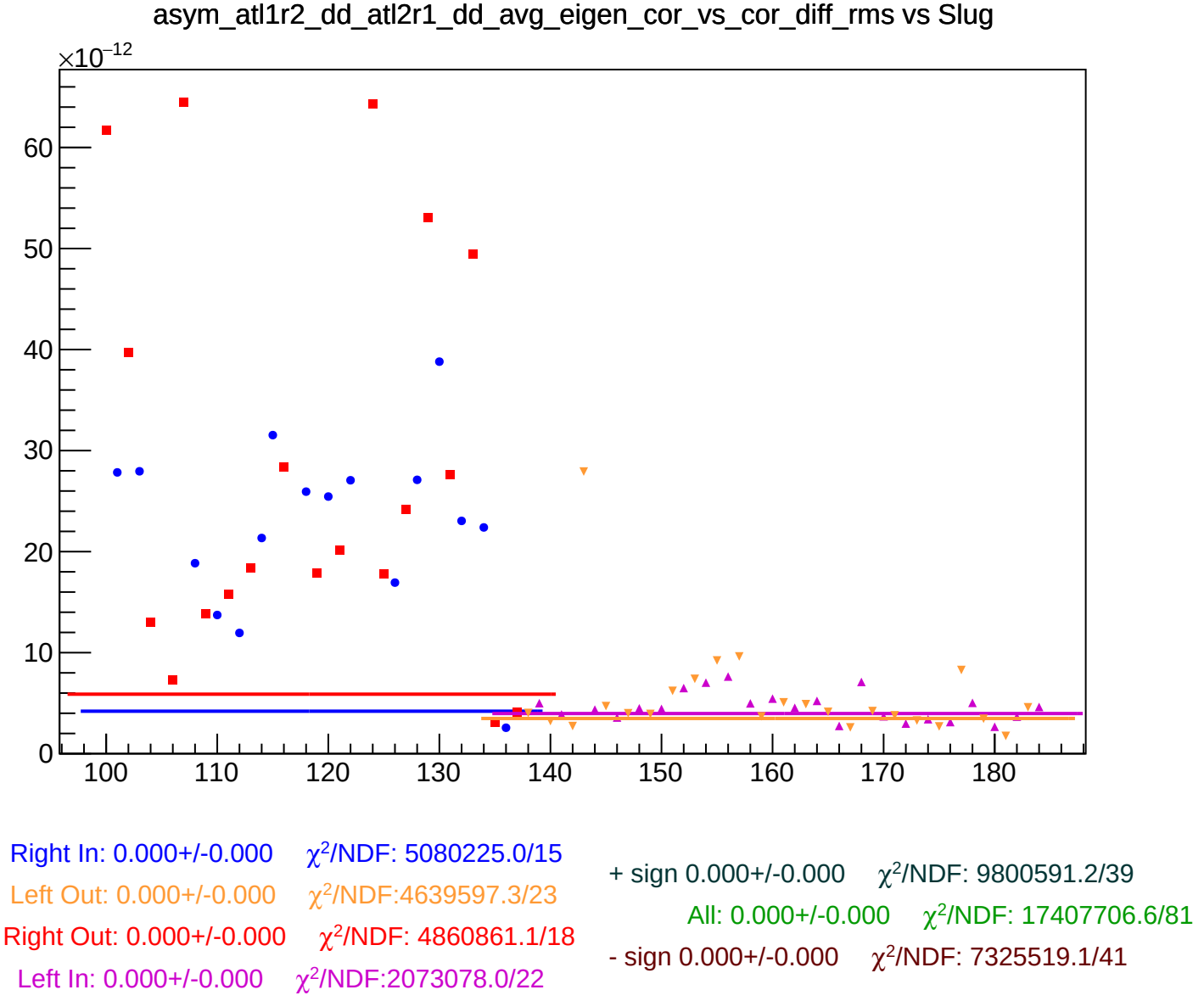
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

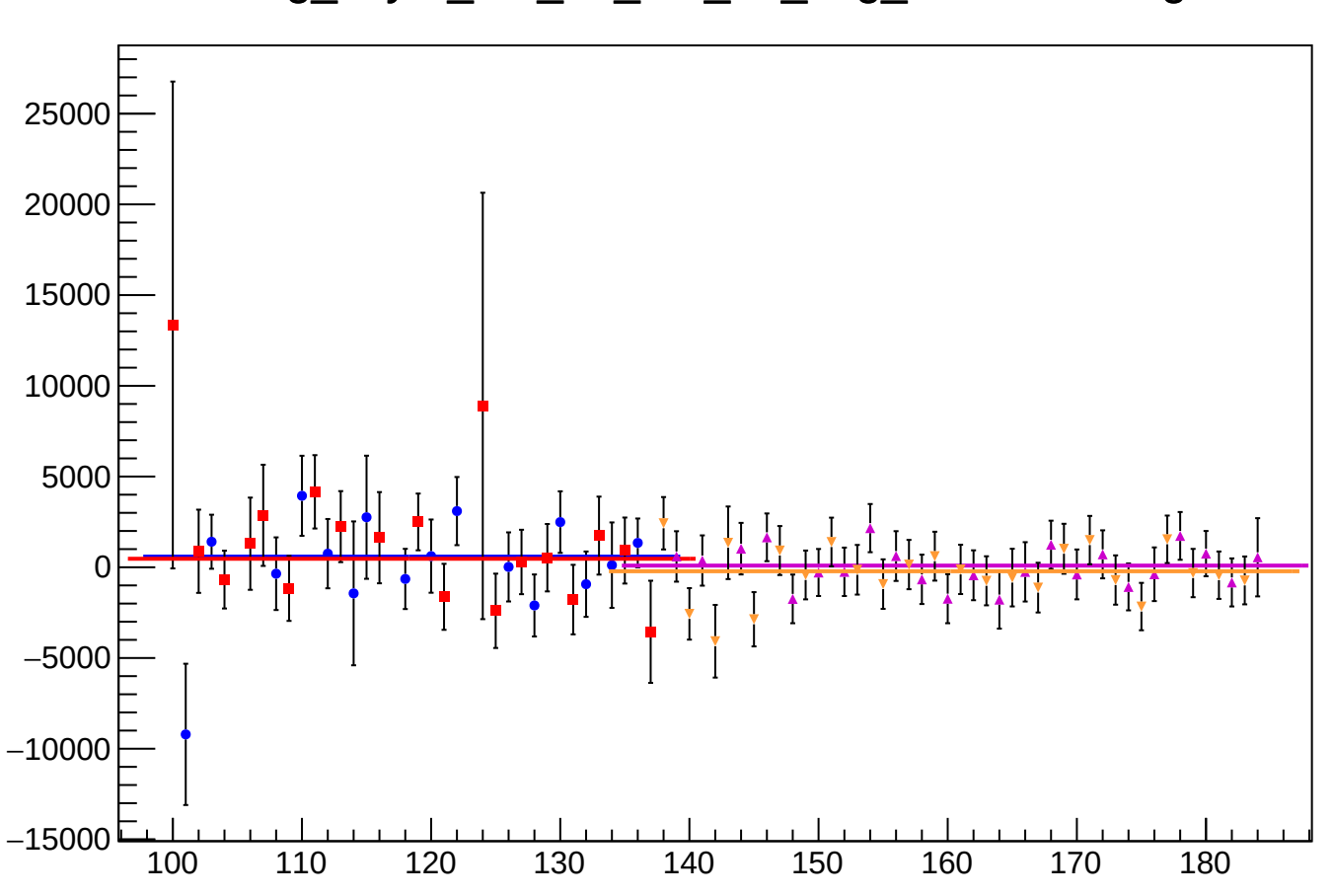
Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.2/39

All: 0.000+/-0.000 χ^2/NDF: 104.0/81

- sign -0.000+/-0.000 χ^2/NDF: 75.6/41


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:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 9800591.2/39
All: 0.000+/-0.000 χ²/NDF: 17407706.6/81
- sign 0.000+/-0.000 χ²/NDF: 7325519.1/41



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

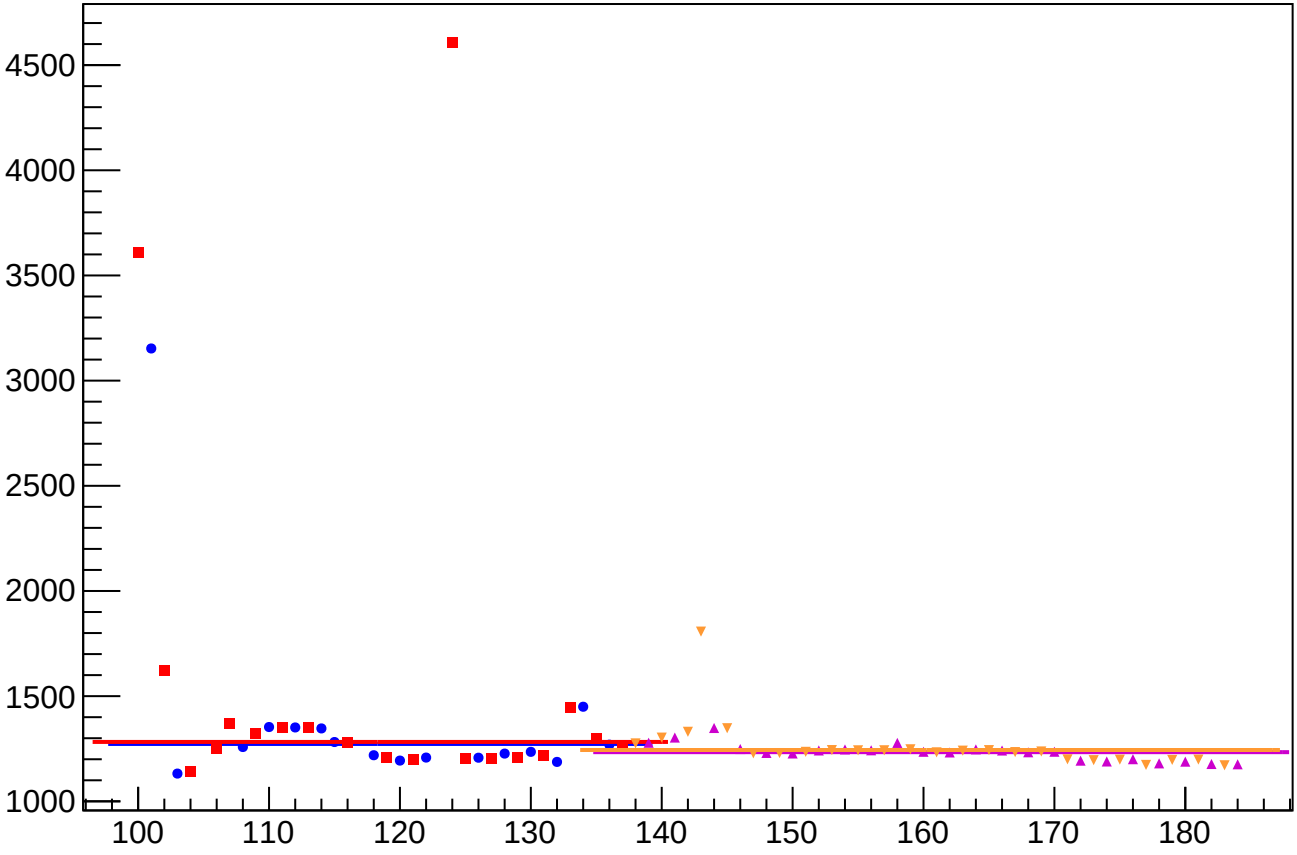
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -10.423+/-245.533 χ^2/NDF: 43.1/39

All: 90.141+/-174.192 χ^2/NDF: 75.4/81

- sign 192.046+/-247.165 χ^2/NDF: 32.0/41

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

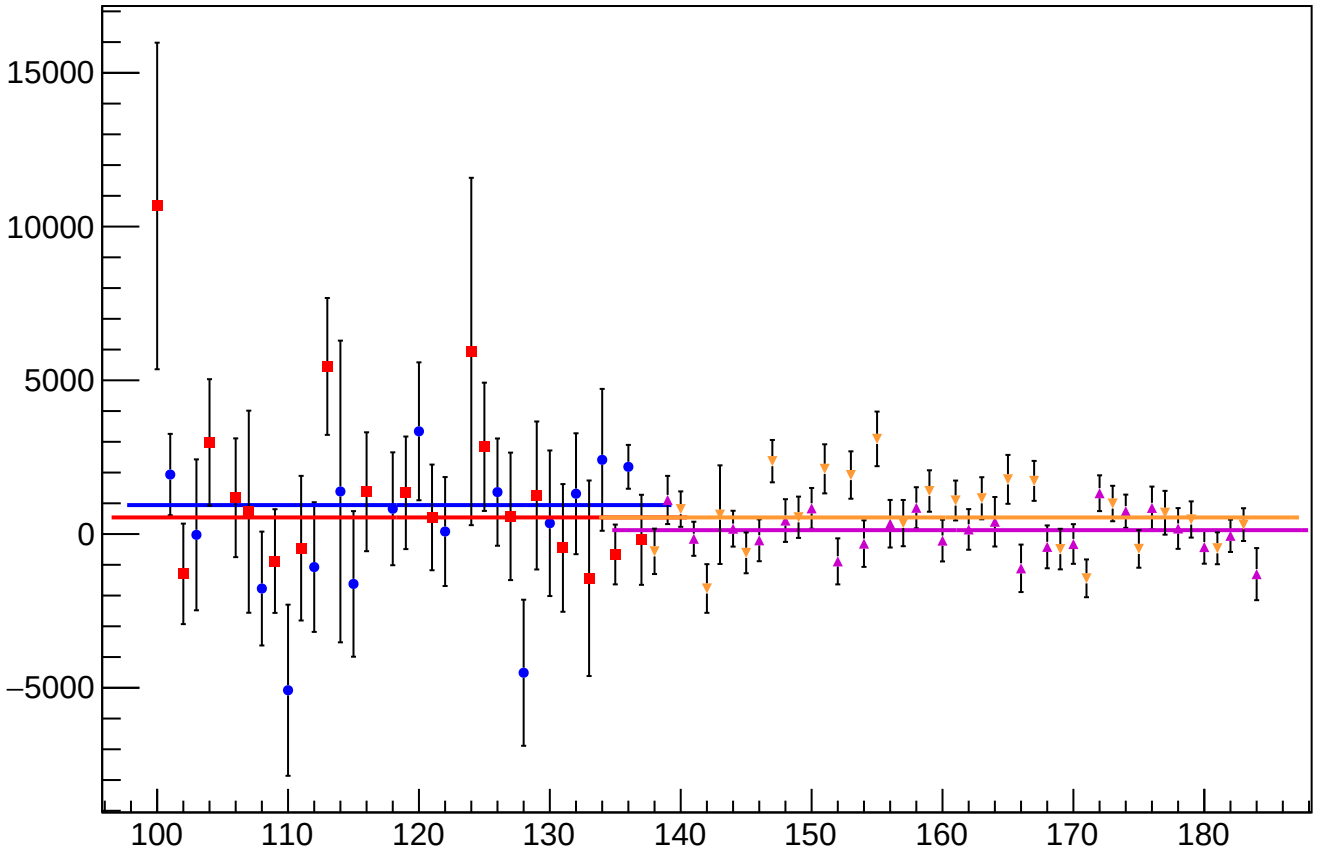
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.458+/-0.174 χ^2/NDF: 725672.5/39

All: 1249.052+/-0.123 χ^2/NDF: 1102473.5/81

- sign 1246.614+/-0.175 χ^2/NDF: 376414.4/41



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 540.319+/-137.250 χ^2/NDF:65.7/23

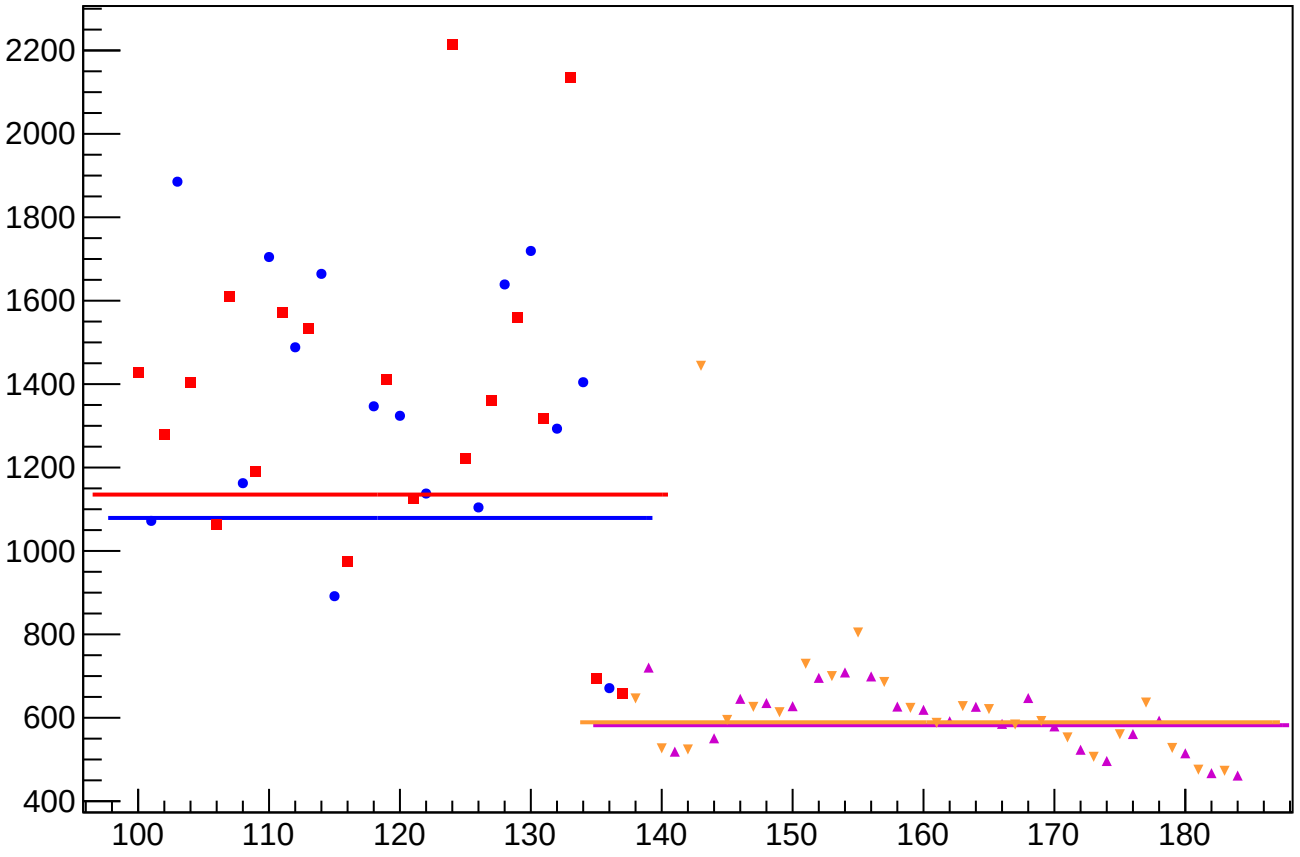
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 578.097+/-130.632 χ^2/NDF: 86.4/39

All: 371.340+/-92.513 χ^2/NDF: 130.9/81

\- sign 163.307+/-131.035 χ^2/NDF: 39.5/41



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 589.206+/-0.097 χ^2/NDF:1168729.8/23

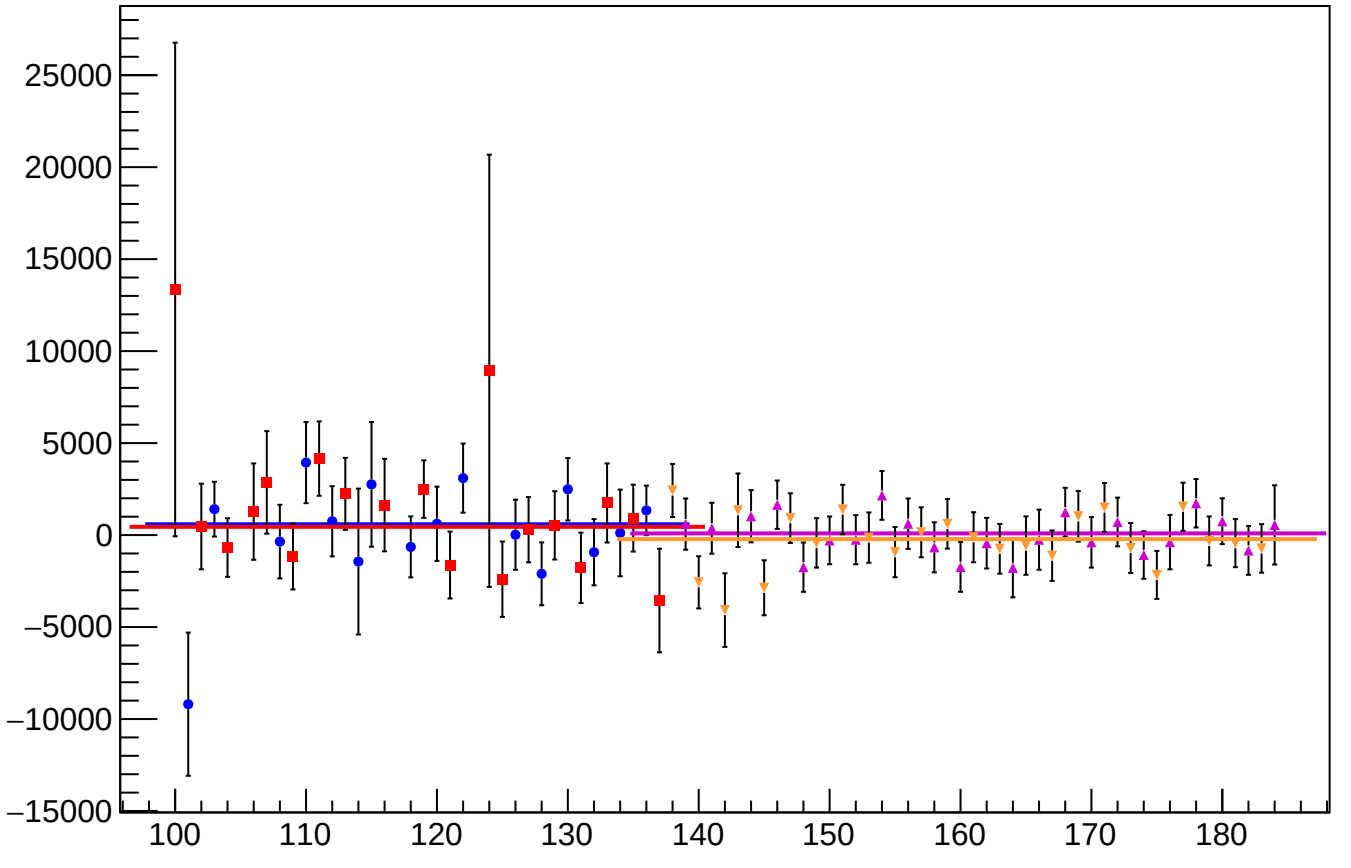
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 635.310+/-0.092 χ^2/NDF: 5049019.3/39

All: 633.288+/-0.065 χ^2/NDF: 9782139.1/81

- sign 631.254+/-0.093 χ^2/NDF: 4732158.7/41



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

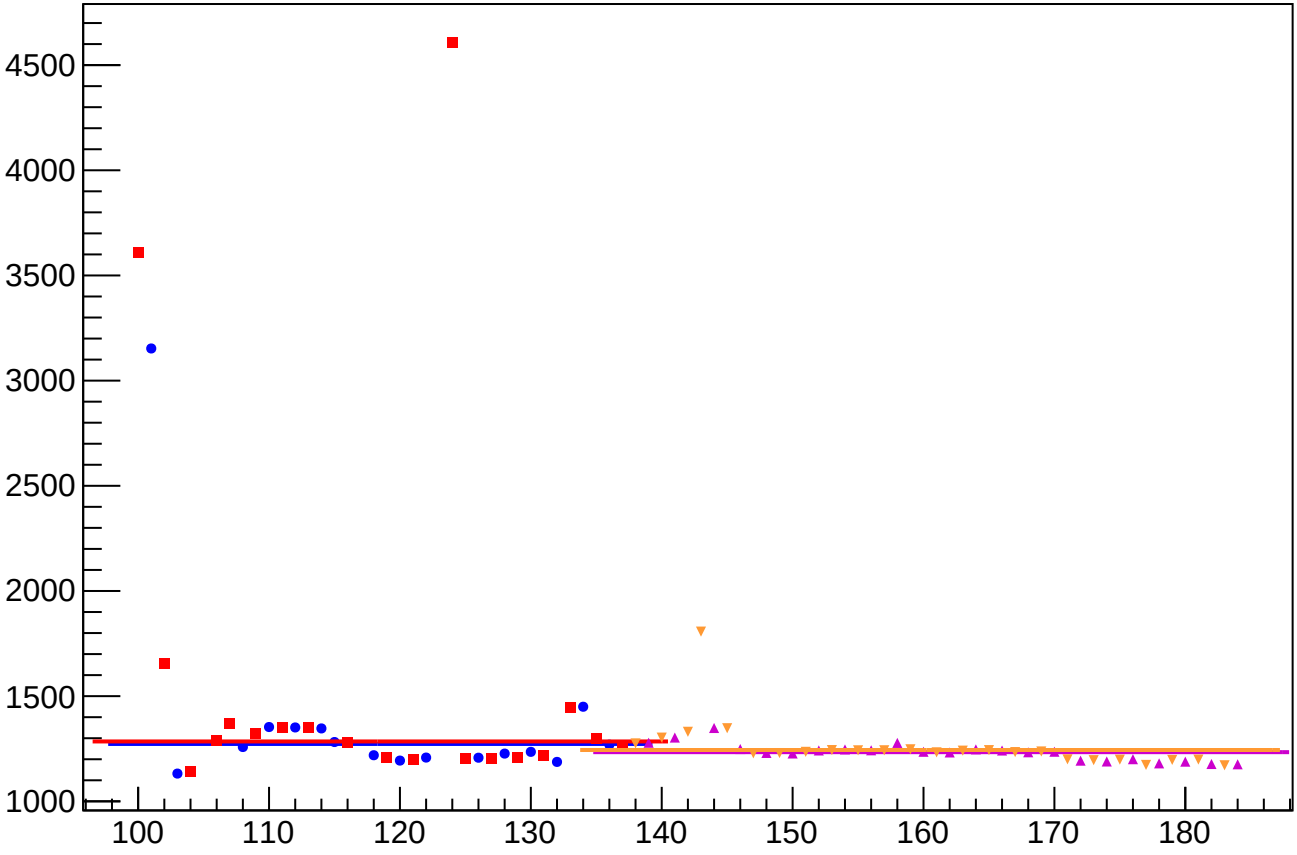
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -10.371+/-245.533 χ^2/NDF: 43.0/39

All: 87.324+/-174.231 χ^2/NDF: 75.3/81

\- sign 186.412+/-247.276 χ^2/NDF: 31.9/41

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

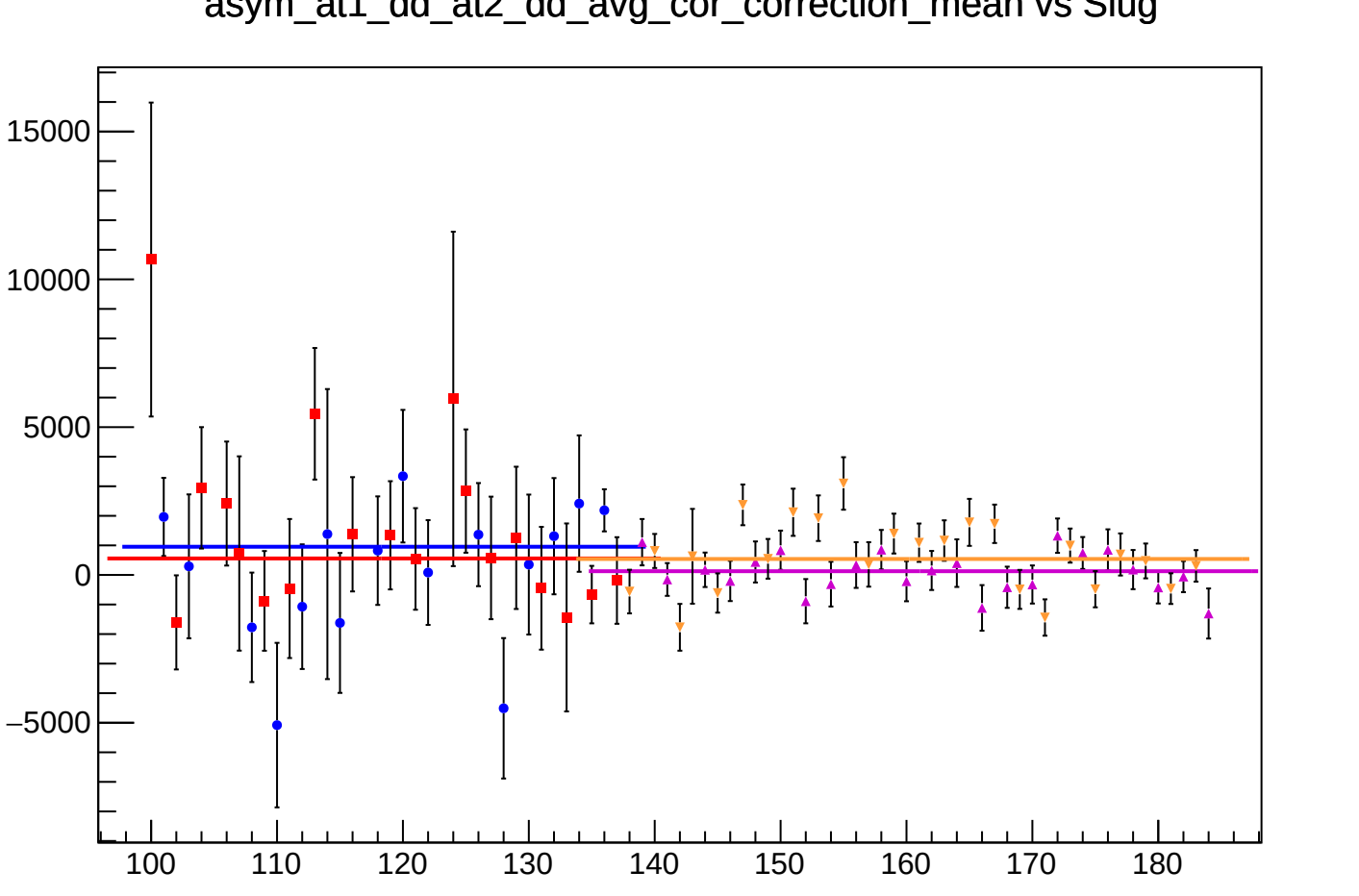
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.458+/-0.174 χ^2/NDF: 725673.9/39

All: 1249.337+/-0.123 χ^2/NDF: 1110455.1/81

- sign 1247.186+/-0.175 χ^2/NDF: 384480.7/41



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

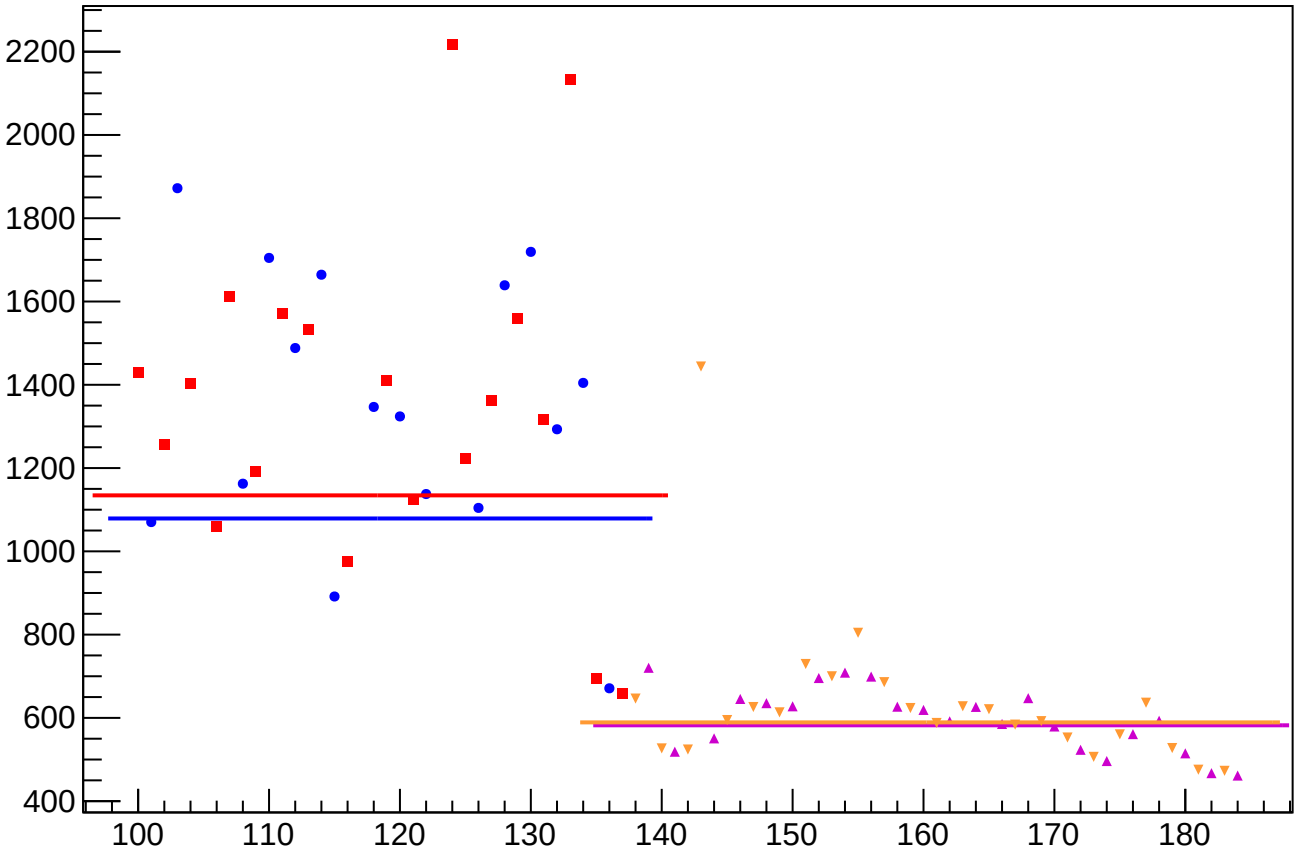
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 579.289+/-130.628 χ^2/NDF: 86.4/39

All: 372.670+/-92.519 χ^2/NDF: 132.2/81

- sign 164.690+/-131.057 χ^2/NDF: 40.8/41



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 589.211+/-0.097 χ^2/NDF:1168627.5/23

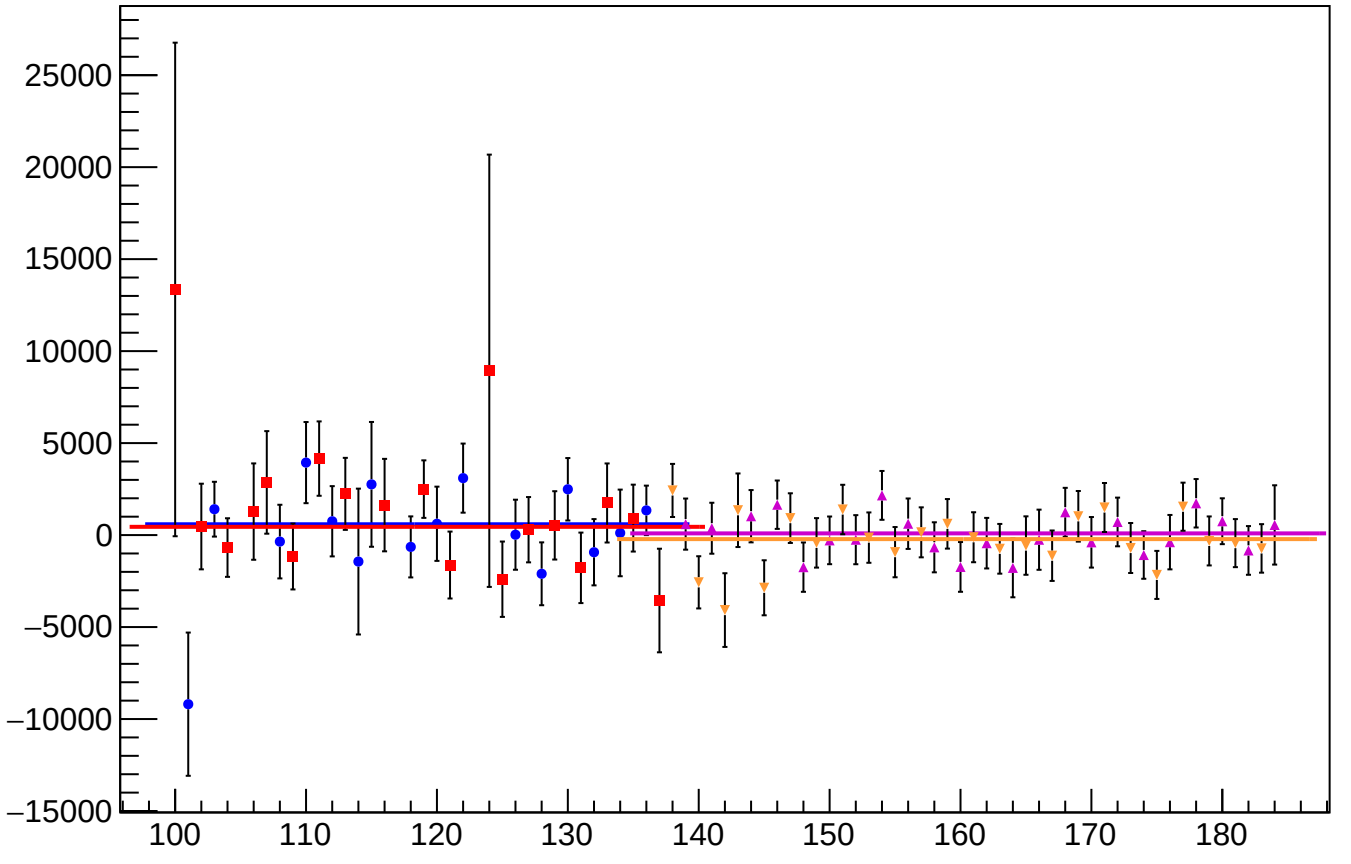
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 635.332+/-0.092 χ^2/NDF: 5045313.3/39

All: 633.180+/-0.065 χ^2/NDF: 9756641.0/81

- sign 631.014+/-0.093 χ^2/NDF: 4710238.7/41



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

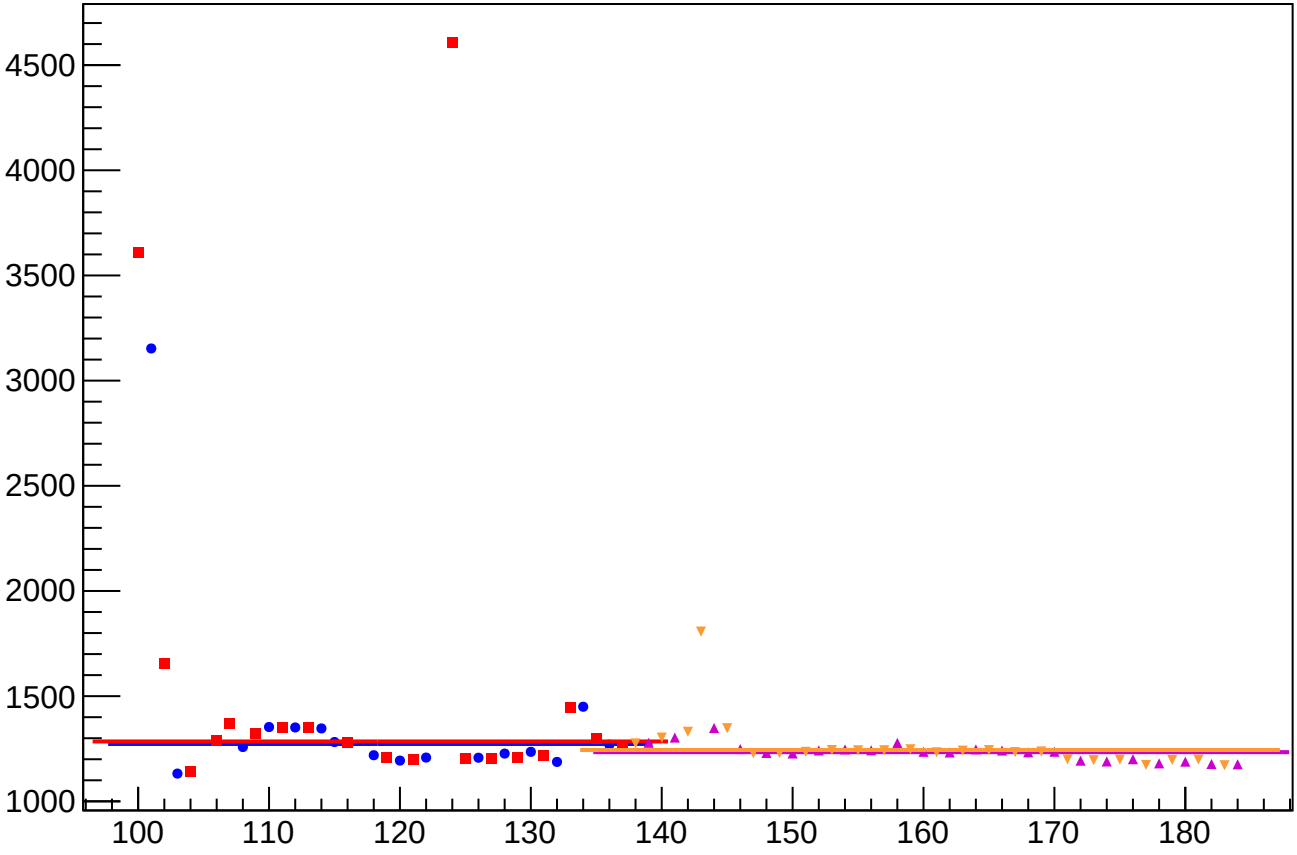
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -10.371+/-245.533 χ^2/NDF: 43.0/39

All: 87.324+/-174.231 χ^2/NDF: 75.3/81

- sign 186.412+/-247.276 χ^2/NDF: 31.9/41

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

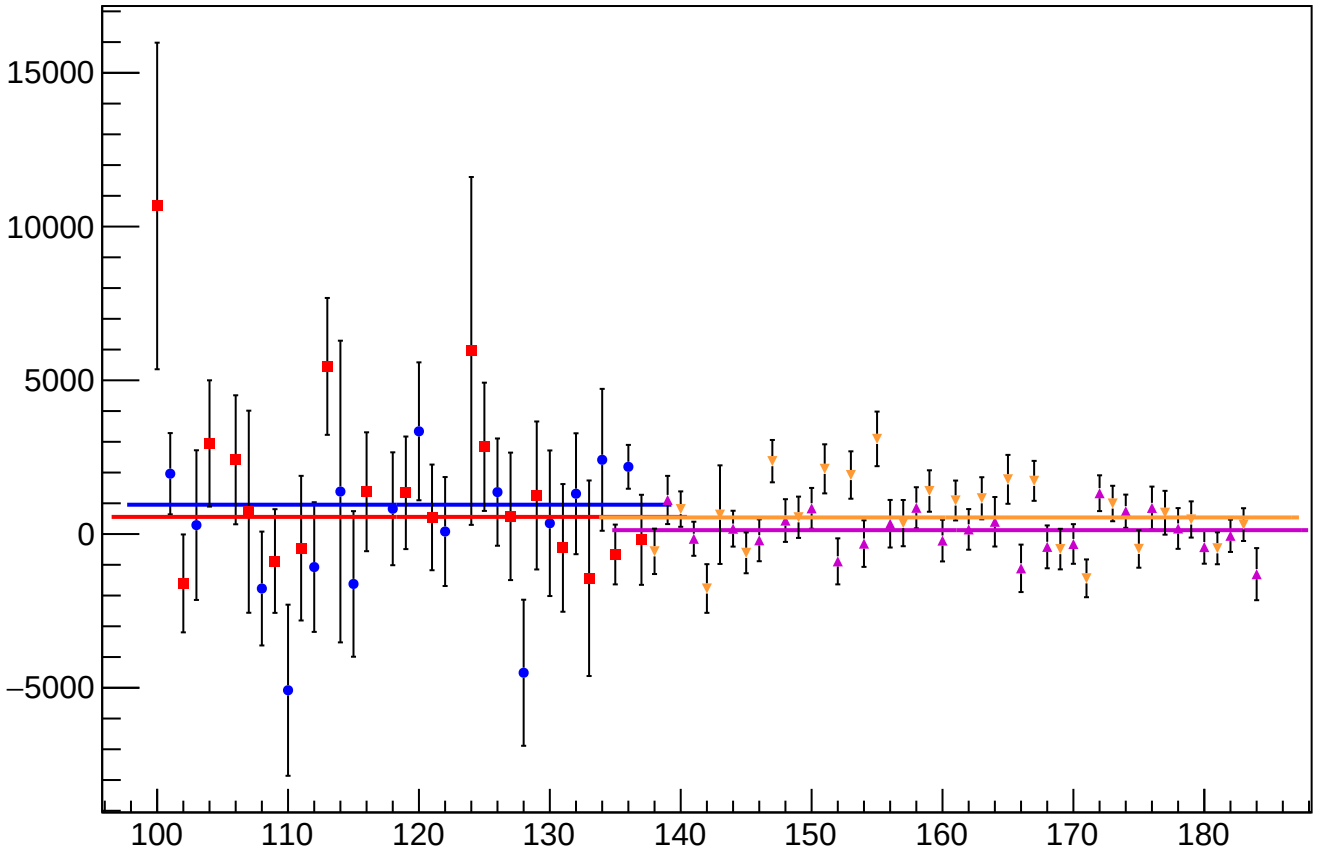
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.458+/-0.174 χ^2/NDF: 725673.9/39

All: 1249.337+/-0.123 χ^2/NDF: 1110455.1/81

- sign 1247.186+/-0.175 χ^2/NDF: 384480.7/41



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 540.316+/-137.251 χ^2/NDF:65.7/23

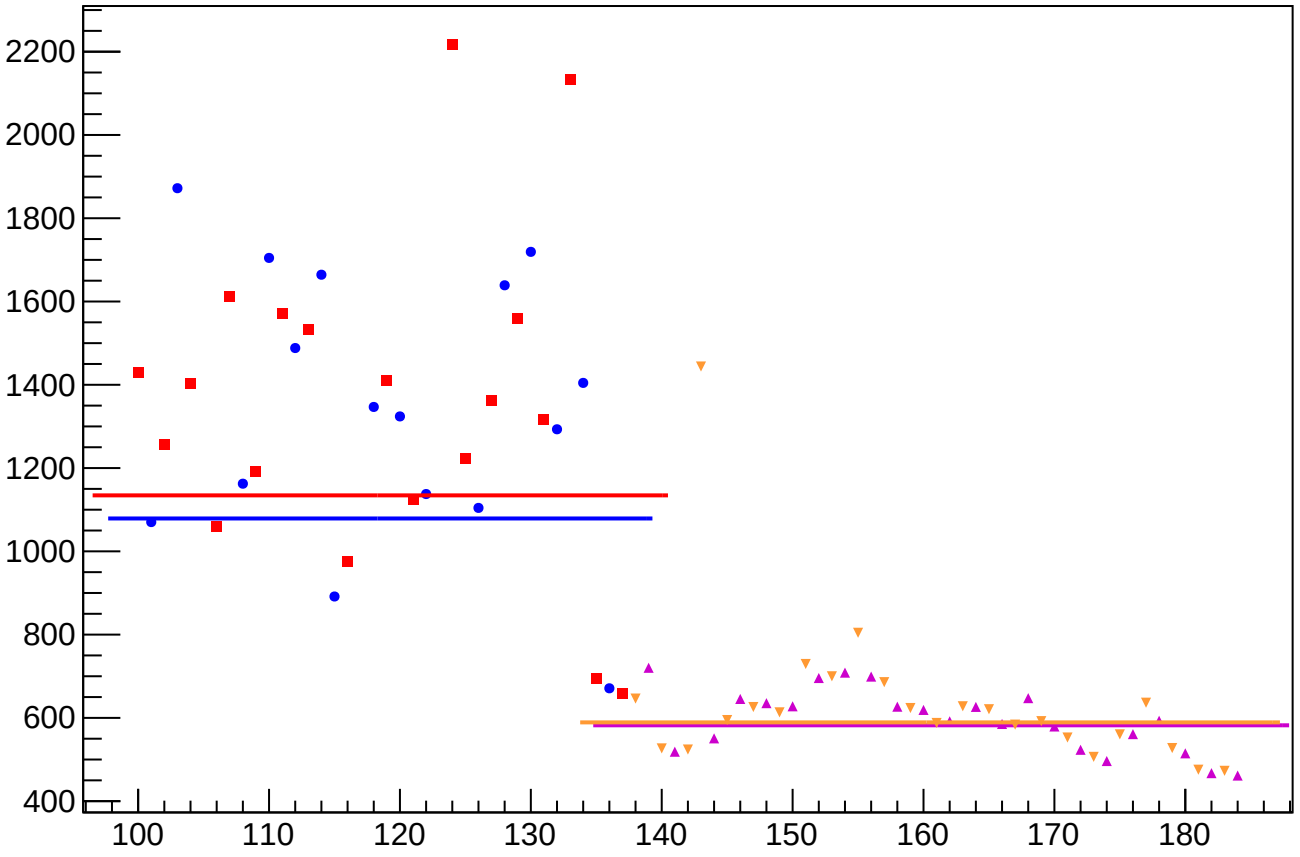
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 579.289+/-130.628 χ^2/NDF: 86.4/39

All: 372.670+/-92.519 χ^2/NDF: 132.2/81

- sign 164.690+/-131.057 χ^2/NDF: 40.8/41



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 589.211+/-0.097 χ^2/NDF:1168627.5/23

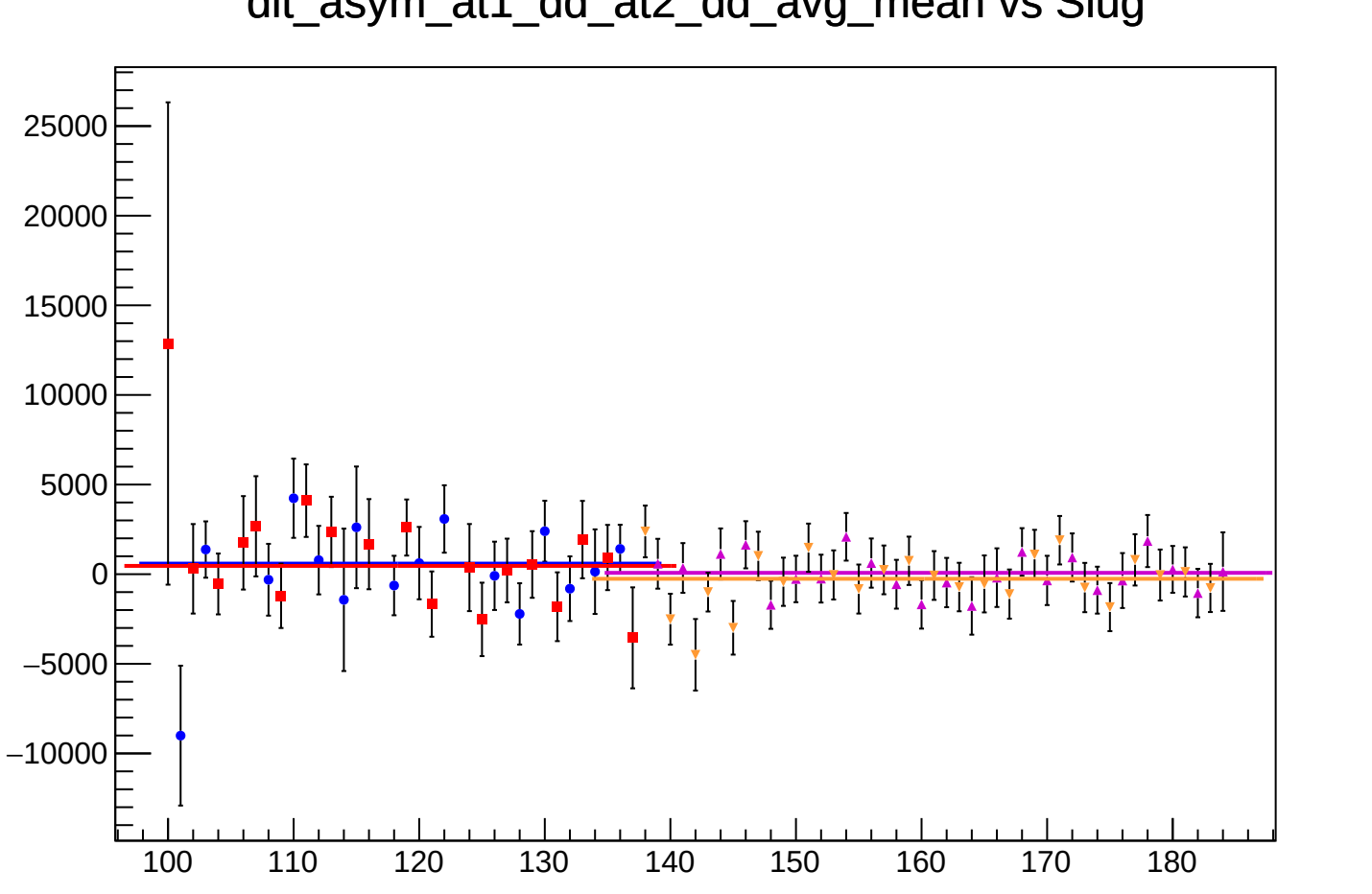
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 635.332+/-0.092 χ^2/NDF: 5045313.3/39

All: 633.180+/-0.065 χ^2/NDF: 9756641.0/81

- sign 631.014+/-0.093 χ^2/NDF: 4710238.7/41



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -256.613+/-281.964 χ^2/NDF:24.0/23

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

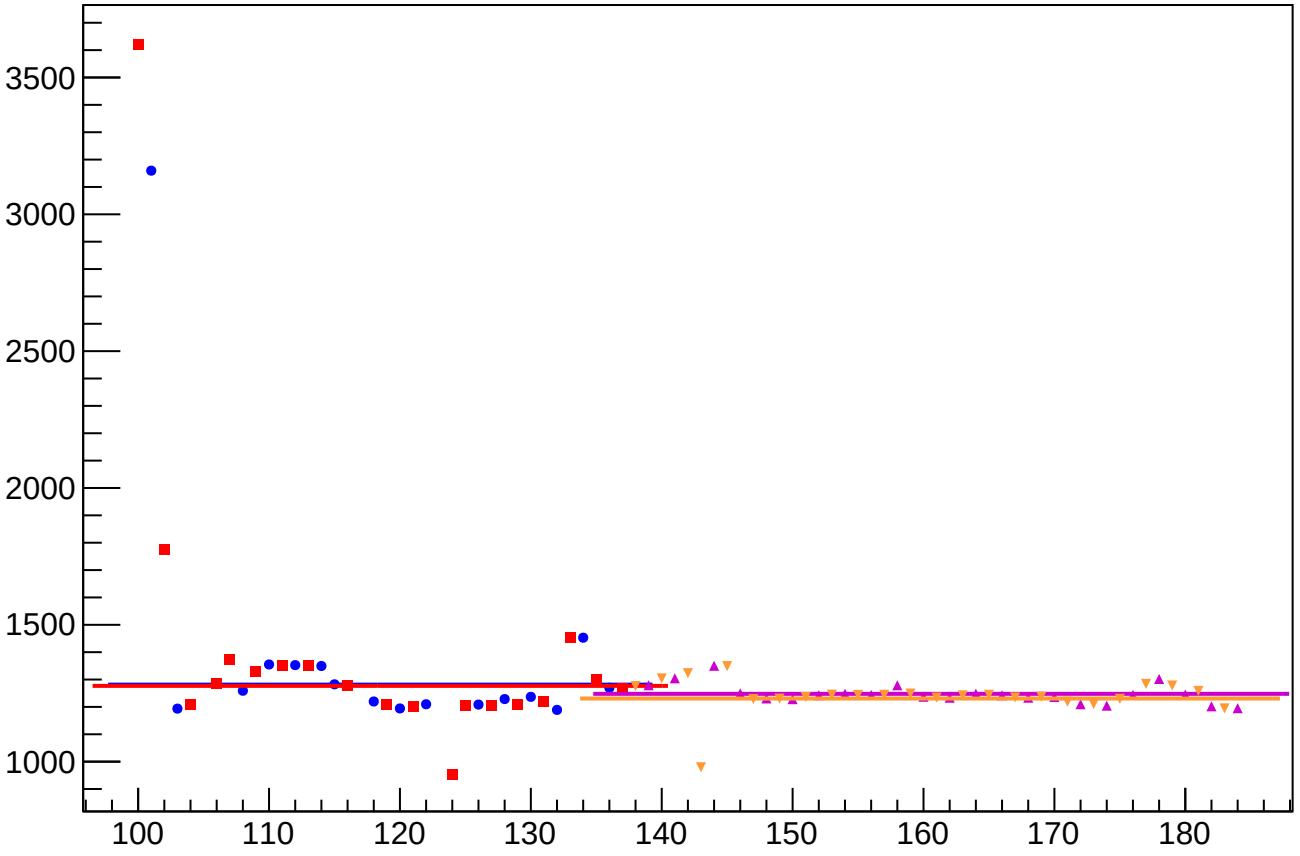
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -42.987+/-243.824 χ^2/NDF: 43.4/39

All: 66.482+/-174.100 χ^2/NDF: 75.0/81

- sign 180.351+/-248.676 χ^2/NDF: 31.2/41

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

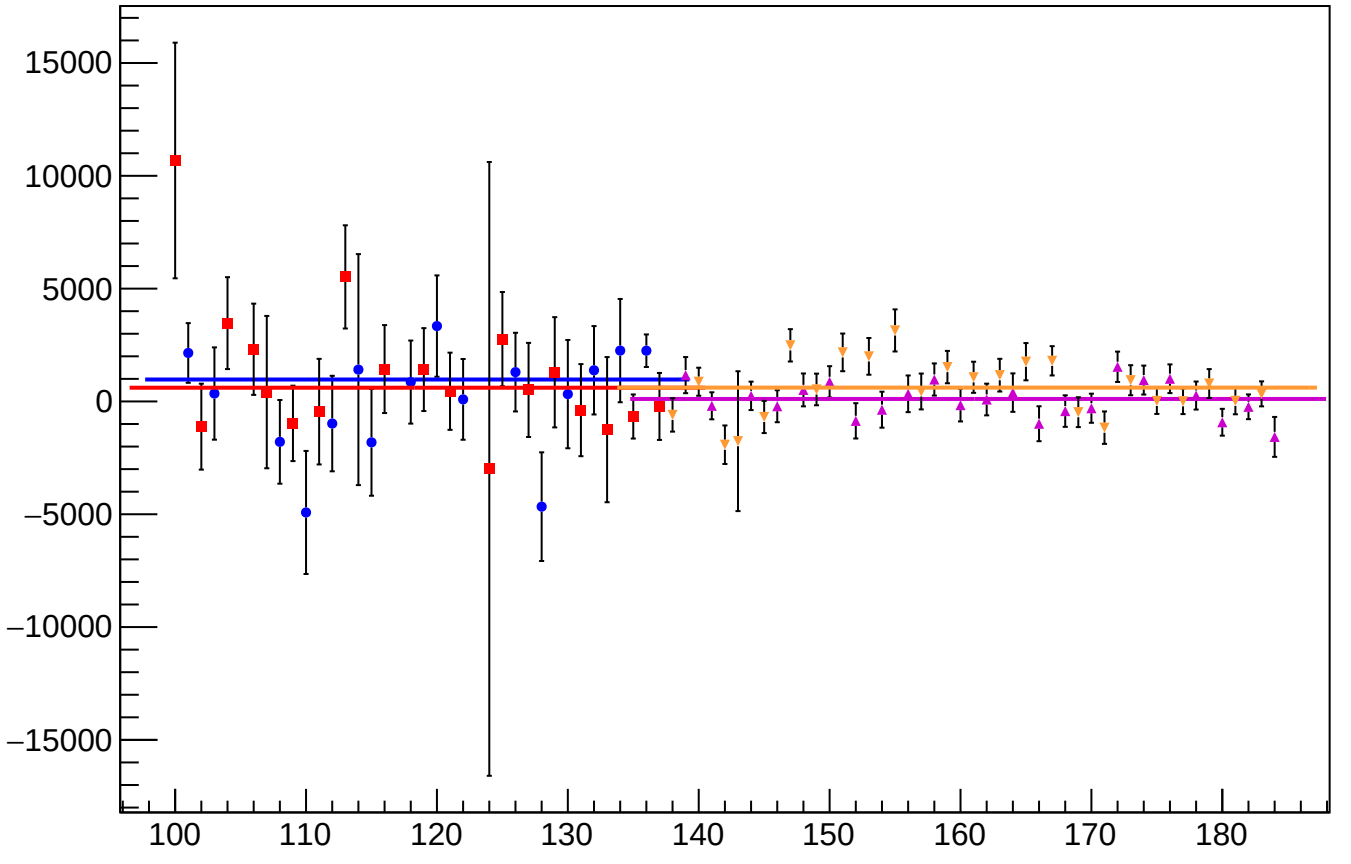
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1243.417+/-0.172 χ^2/NDF: 664342.8/39

All: 1249.434+/-0.123 χ^2/NDF: 920096.9/81

- sign 1255.694+/-0.176 χ^2/NDF: 253268.5/41



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.744 χ^2/NDF:56.6/23

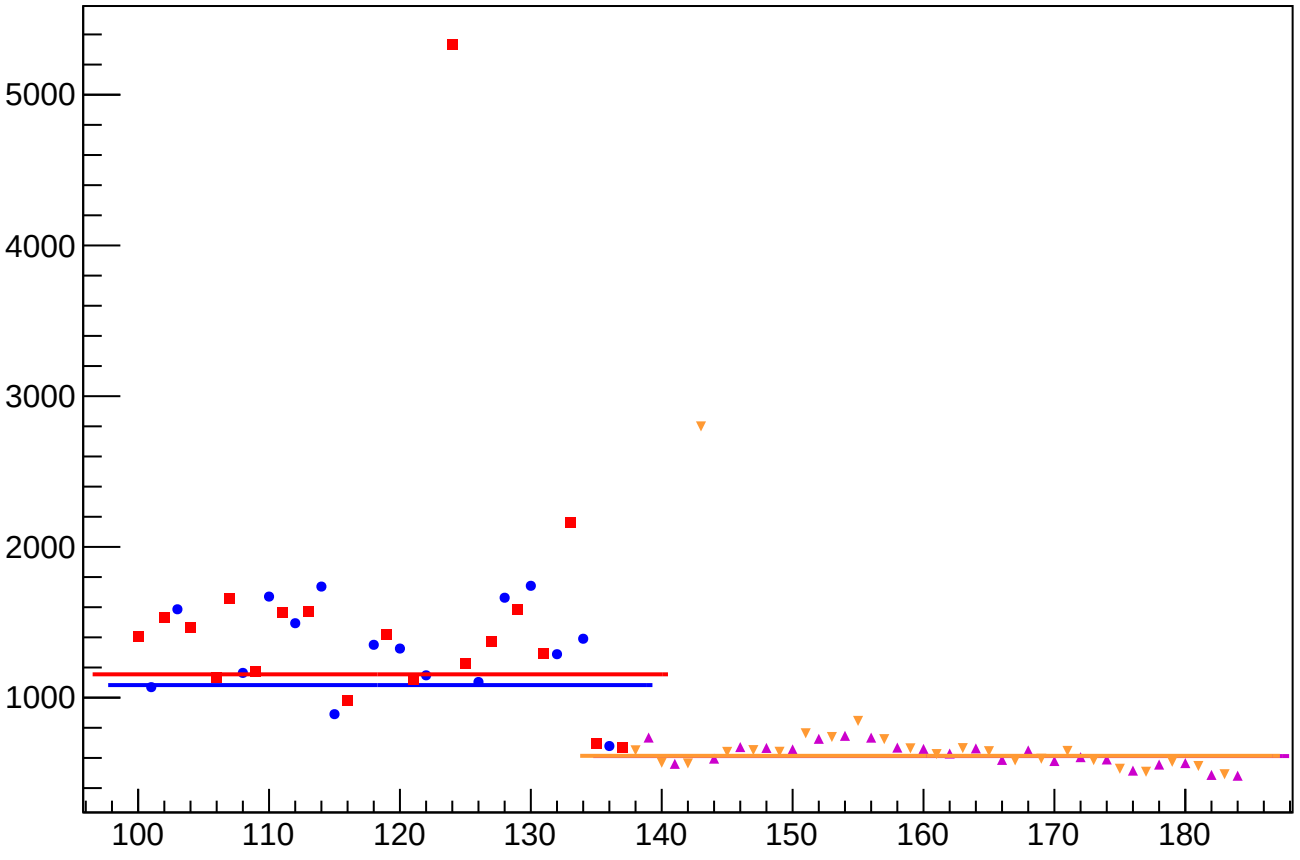
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 649.680+/-136.173 χ^2/NDF: 77.7/39

All: 405.387+/-96.680 χ^2/NDF: 128.2/81

- sign 157.089+/-137.285 χ^2/NDF: 44.0/41



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 613.995+/-0.102 χ^2/NDF:1582623.8/23

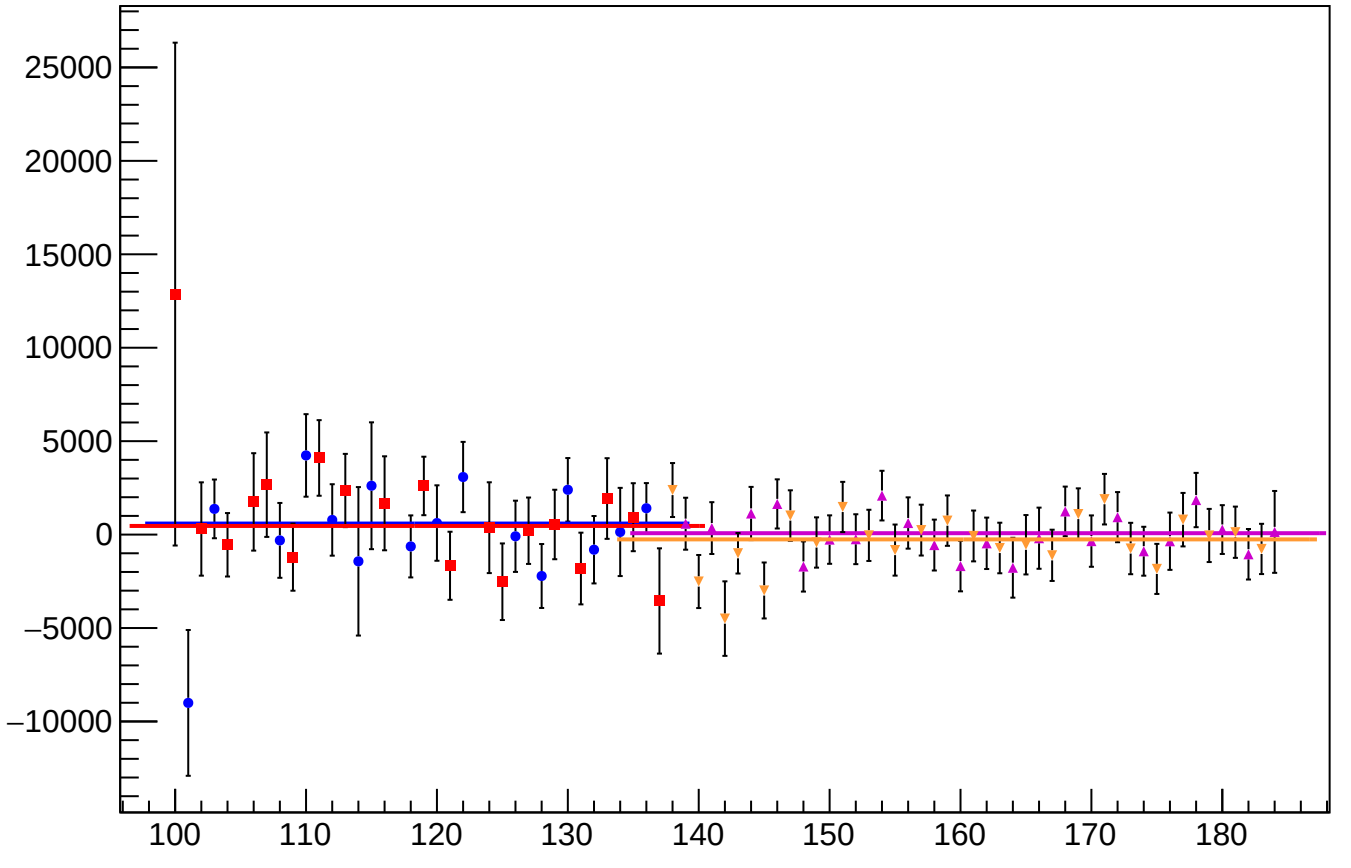
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 662.129+/-0.096 χ^2/NDF: 5129462.8/39

All: 662.753+/-0.068 χ^2/NDF: 9784906.1/81

- sign 663.387+/-0.097 χ^2/NDF: 4655358.7/41



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

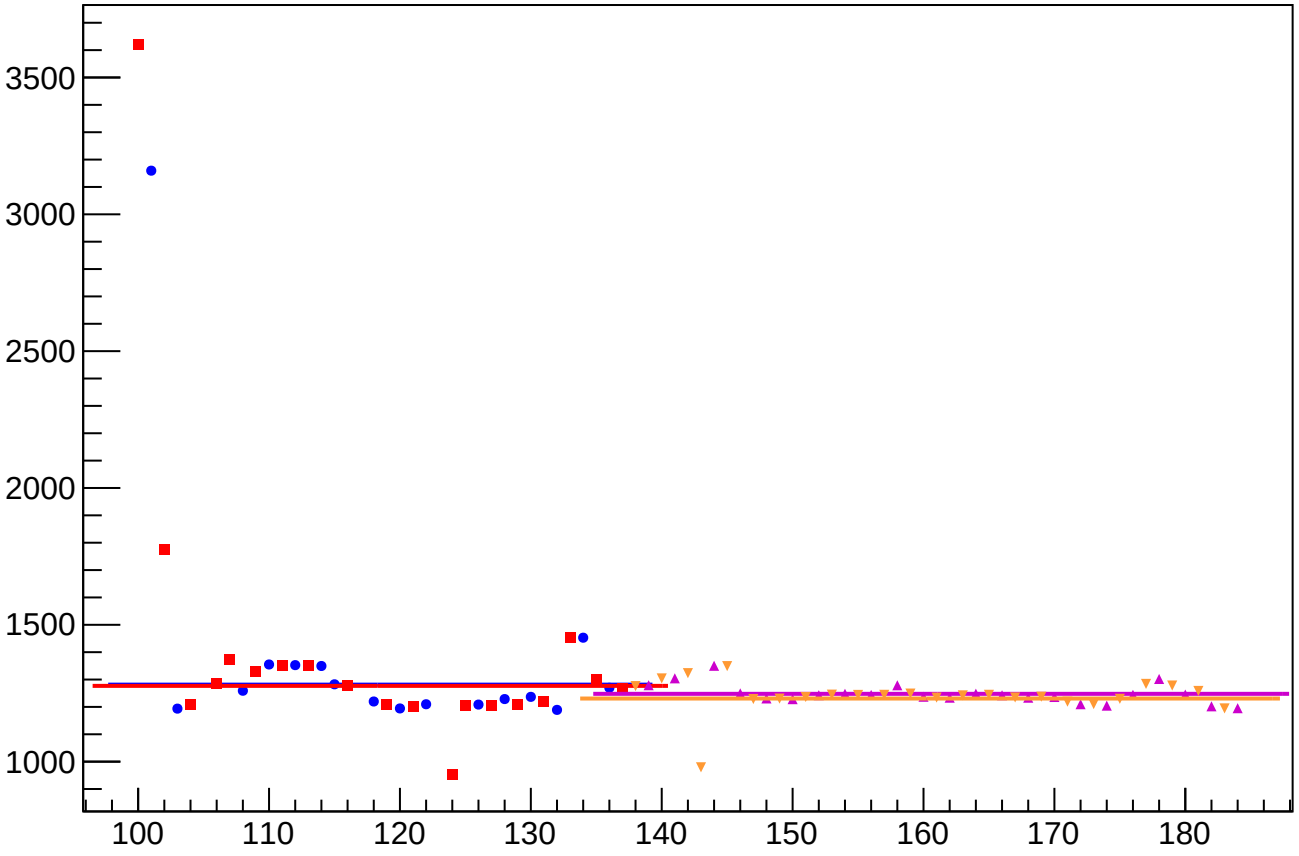
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -42.987+/-243.824 χ^2/NDF: 43.4/39

All: 66.481+/-174.100 χ^2/NDF: 75.0/81

\- sign 180.351+/-248.676 χ^2/NDF: 31.2/41

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

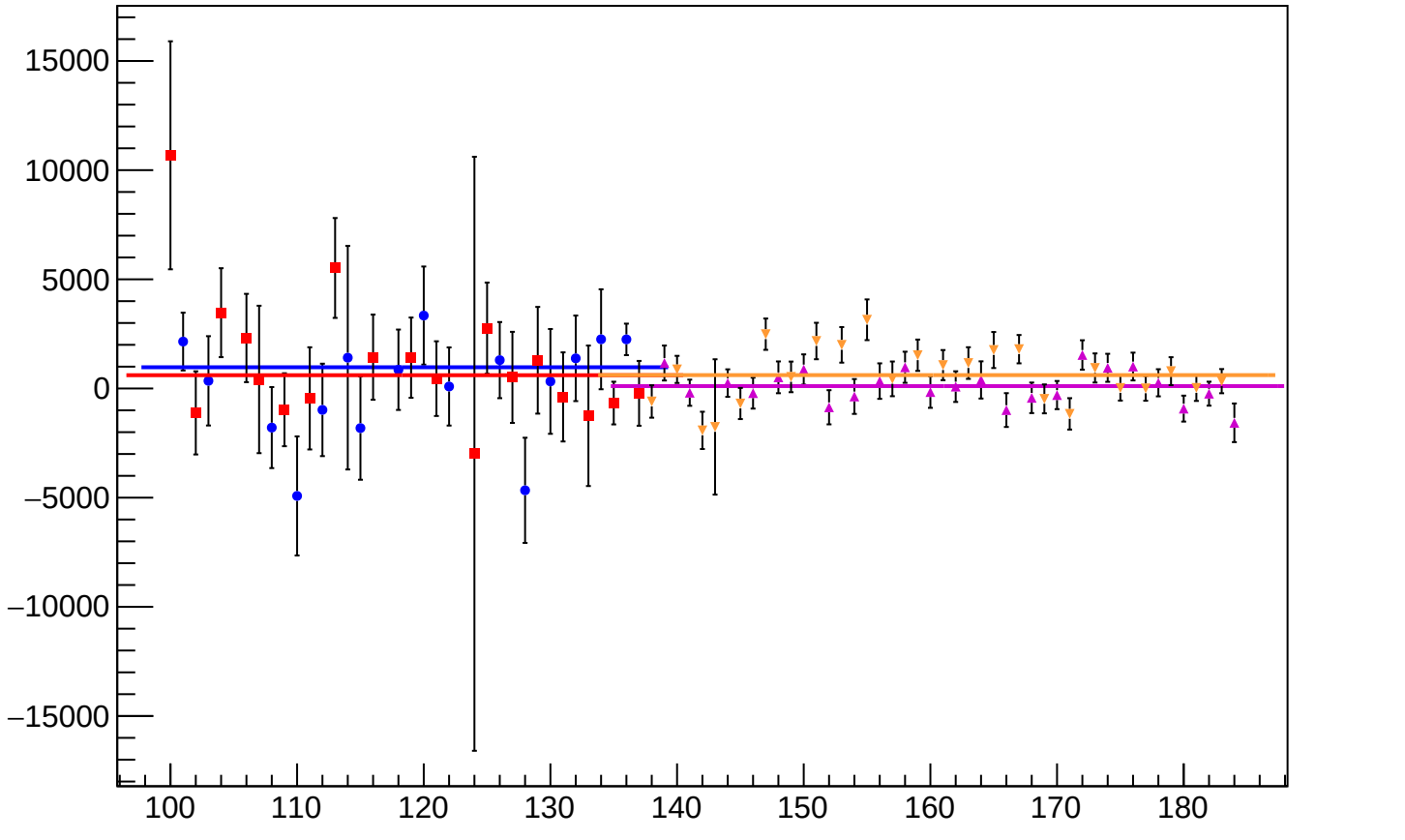
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

\+ sign 1243.416+/-0.172 χ^2/NDF: 664342.0/39

All: 1249.434+/-0.123 χ^2/NDF: 920095.9/81

\- sign 1255.694+/-0.176 χ^2/NDF: 253268.3/41



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 612.814+/-143.743 χ^2/NDF:56.6/23

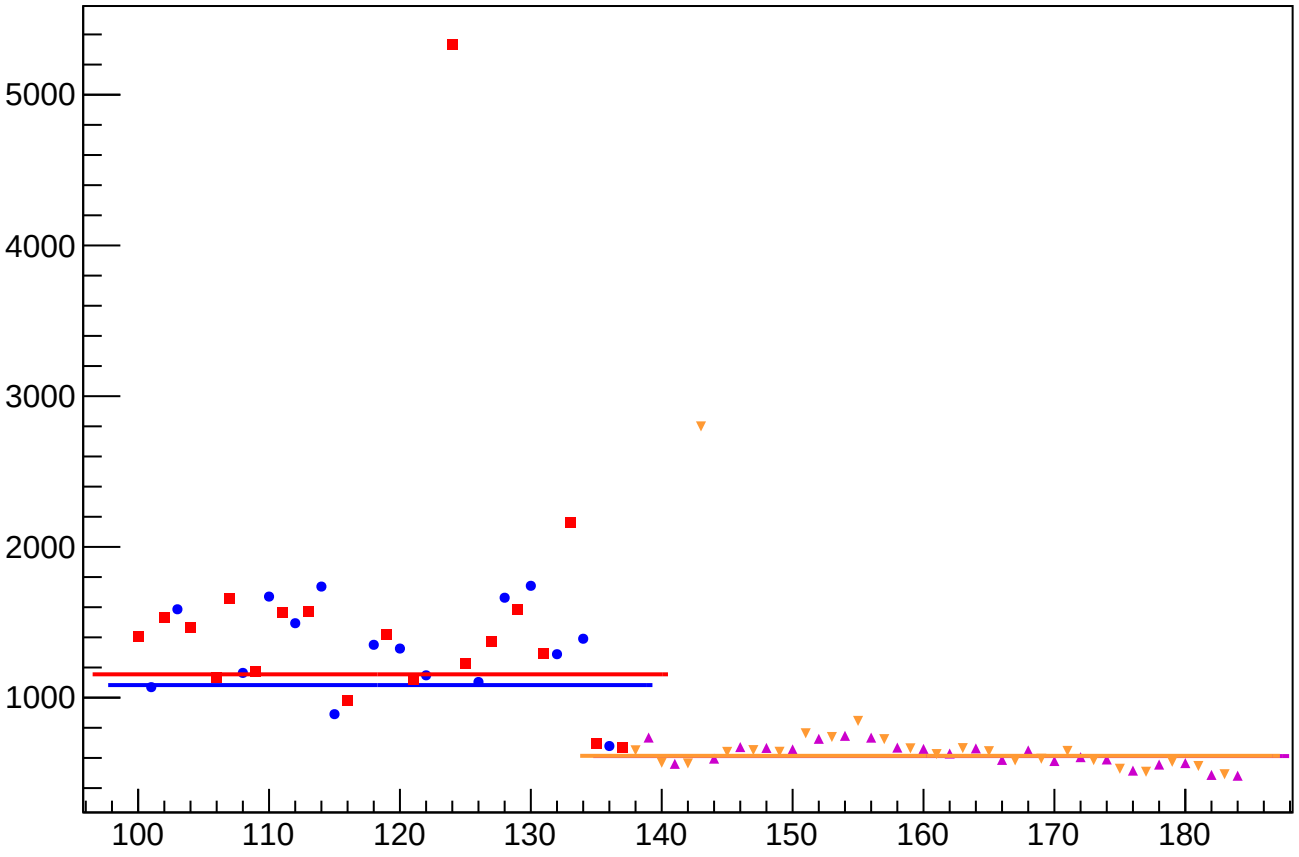
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 649.680+/-136.173 χ^2/NDF: 77.7/39

All: 405.386+/-96.680 χ^2/NDF: 128.2/81

- sign 157.089+/-137.285 χ^2/NDF: 44.0/41



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

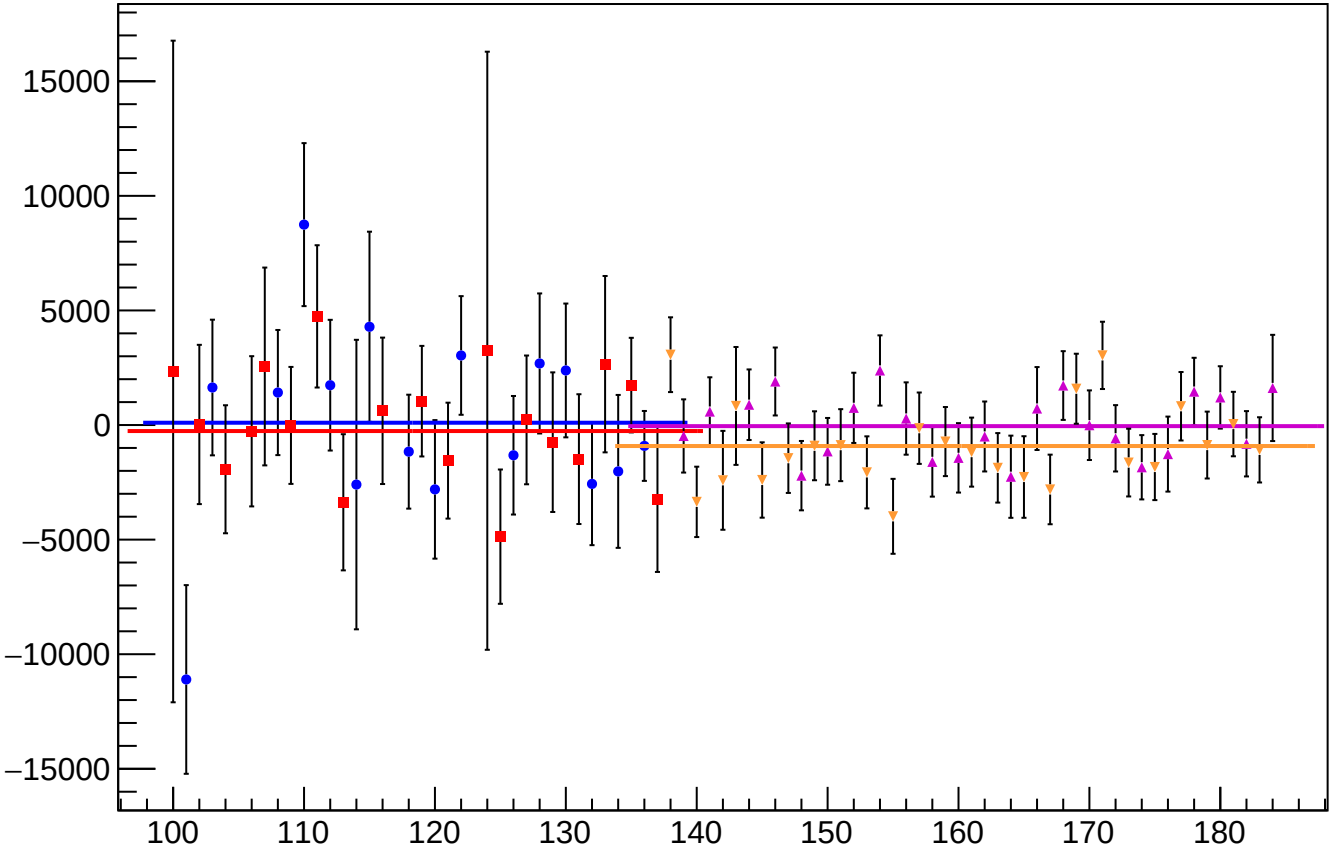
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 662.129+/-0.096 χ^2/NDF: 5129450.4/39

All: 662.752+/-0.068 χ^2/NDF: 9784901.0/81

- sign 663.386+/-0.097 χ^2/NDF: 4655366.1/41

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

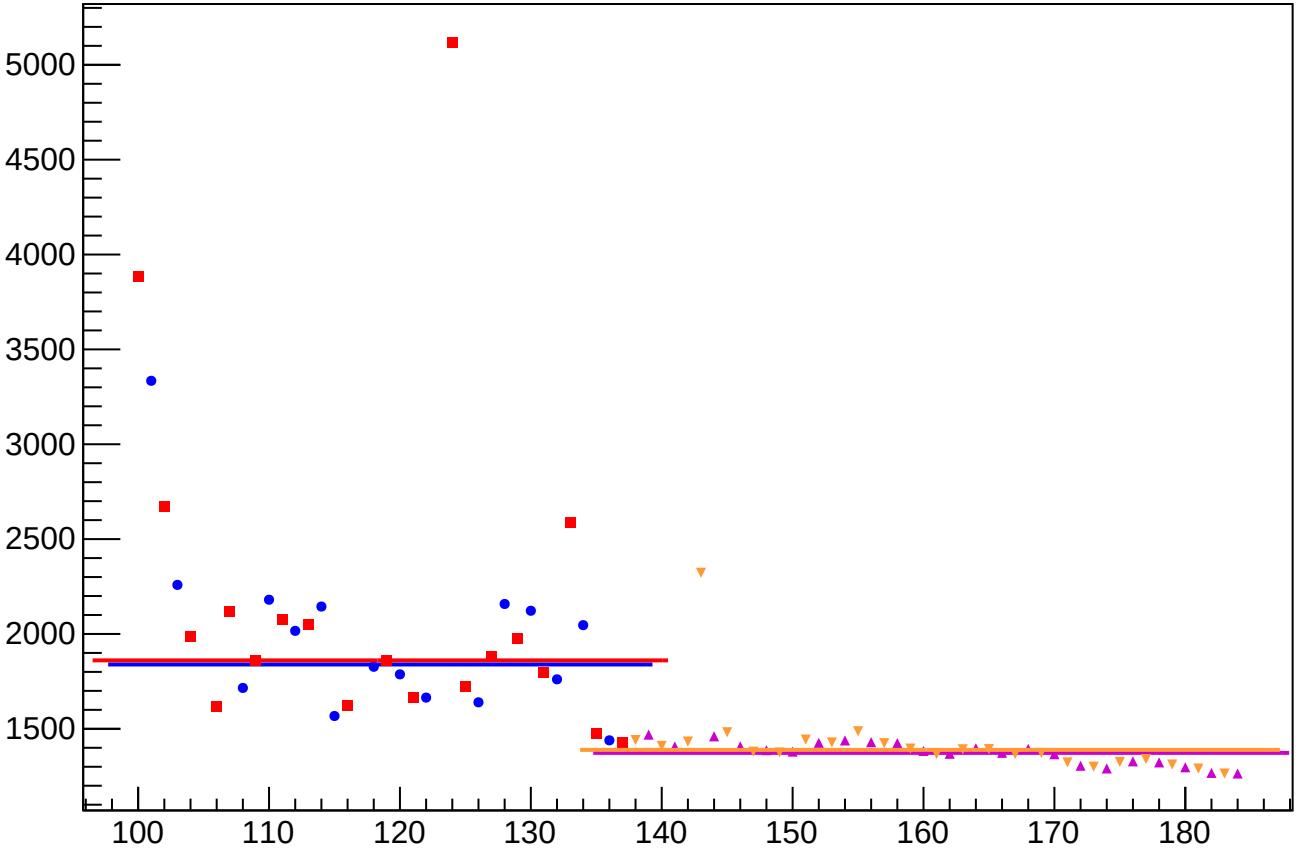
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

\+ sign -740.971+/-290.264 χ^2/NDF: 52.7/39

All: -414.848+/-205.757 χ^2/NDF: 83.5/81

\- sign -85.467+/-291.710 χ^2/NDF: 28.3/41

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

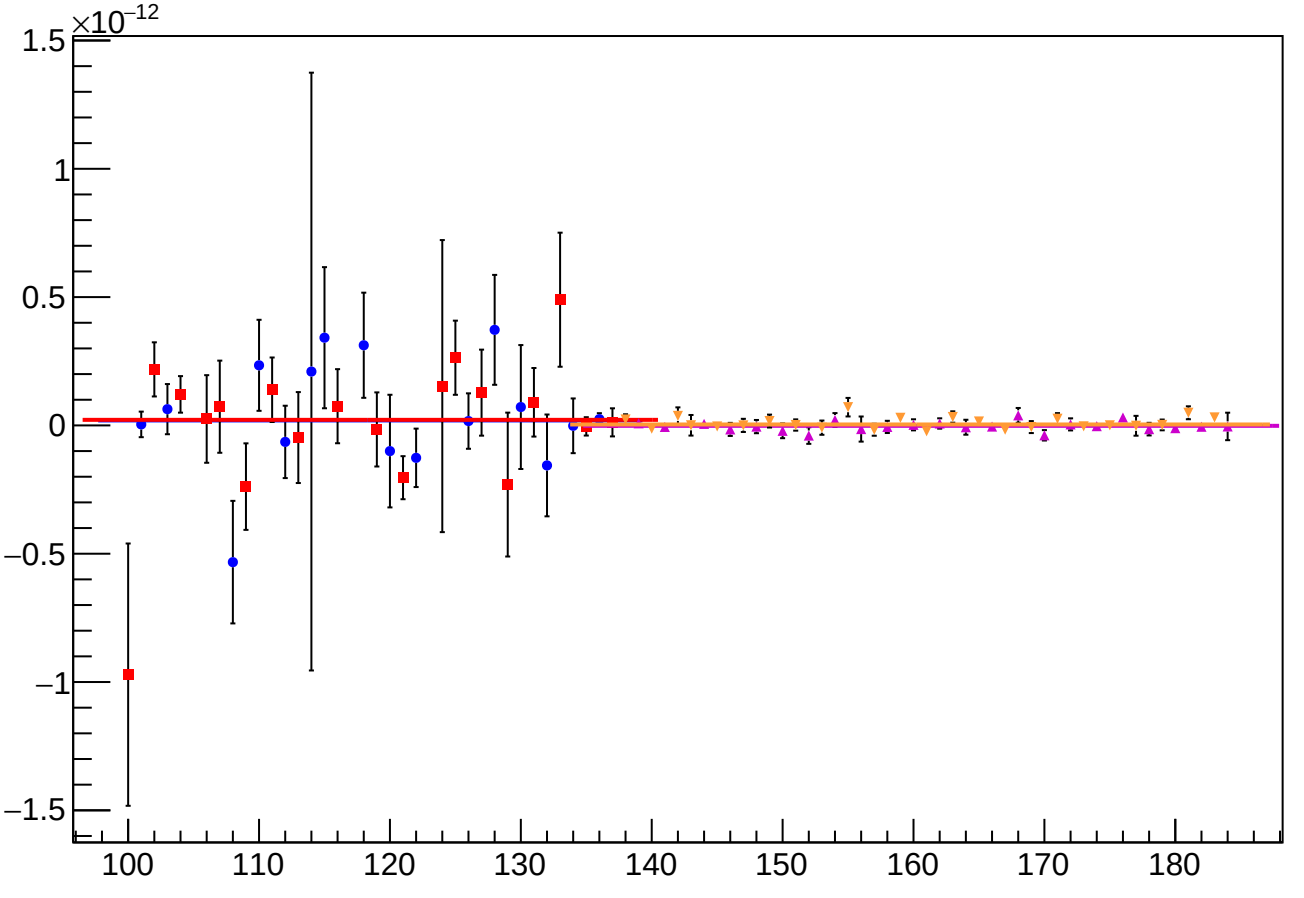
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1466.606+/-0.205 χ^2/NDF: 1577437.0/39

All: 1462.300+/-0.145 χ^2/NDF: 2967108.0/81

- sign 1457.952+/-0.206 χ^2/NDF: 1388786.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/23

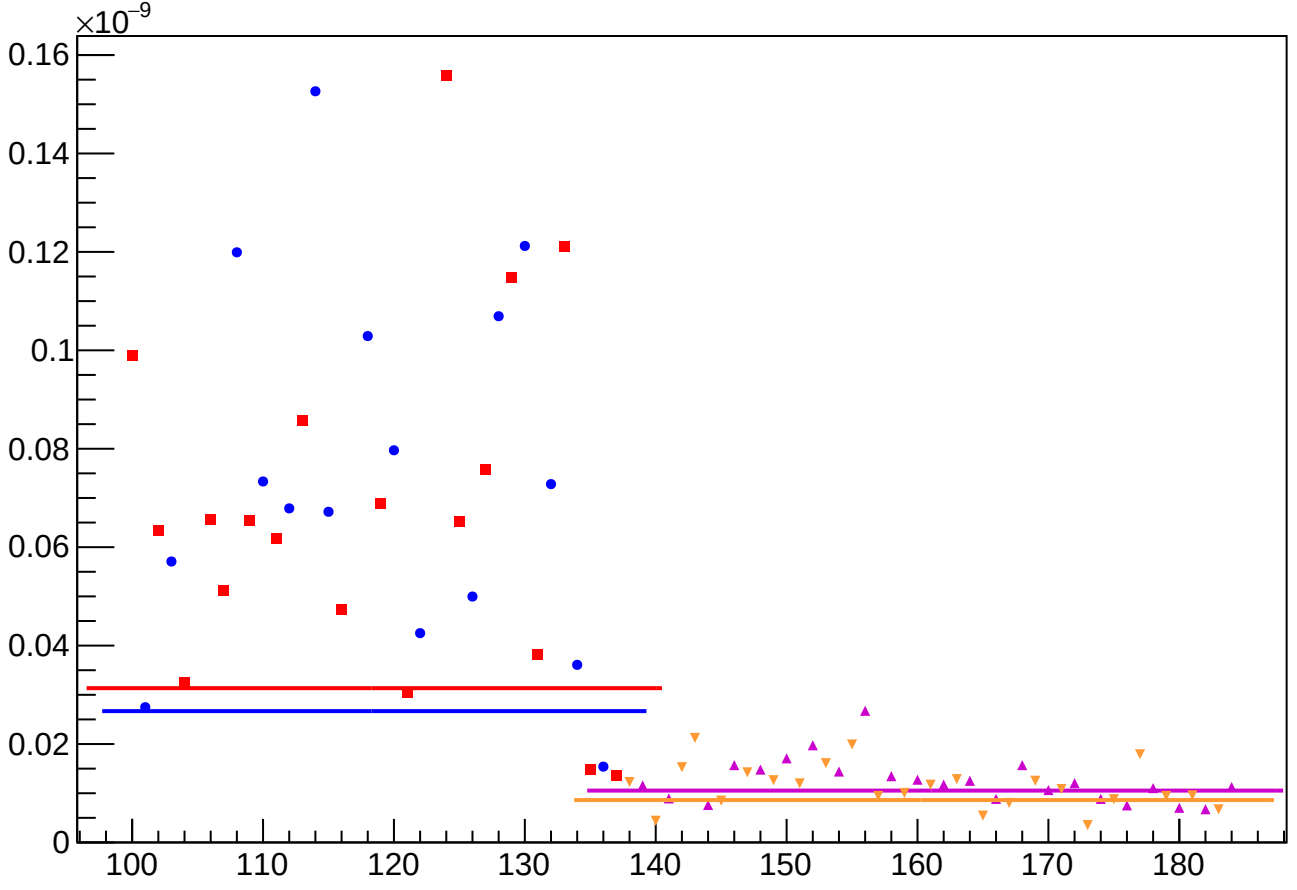
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/39

All: 0.000+/-0.000 χ^2/NDF: 85.4/81

- sign -0.000+/-0.000 χ^2/NDF: 42.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2142721.5/23

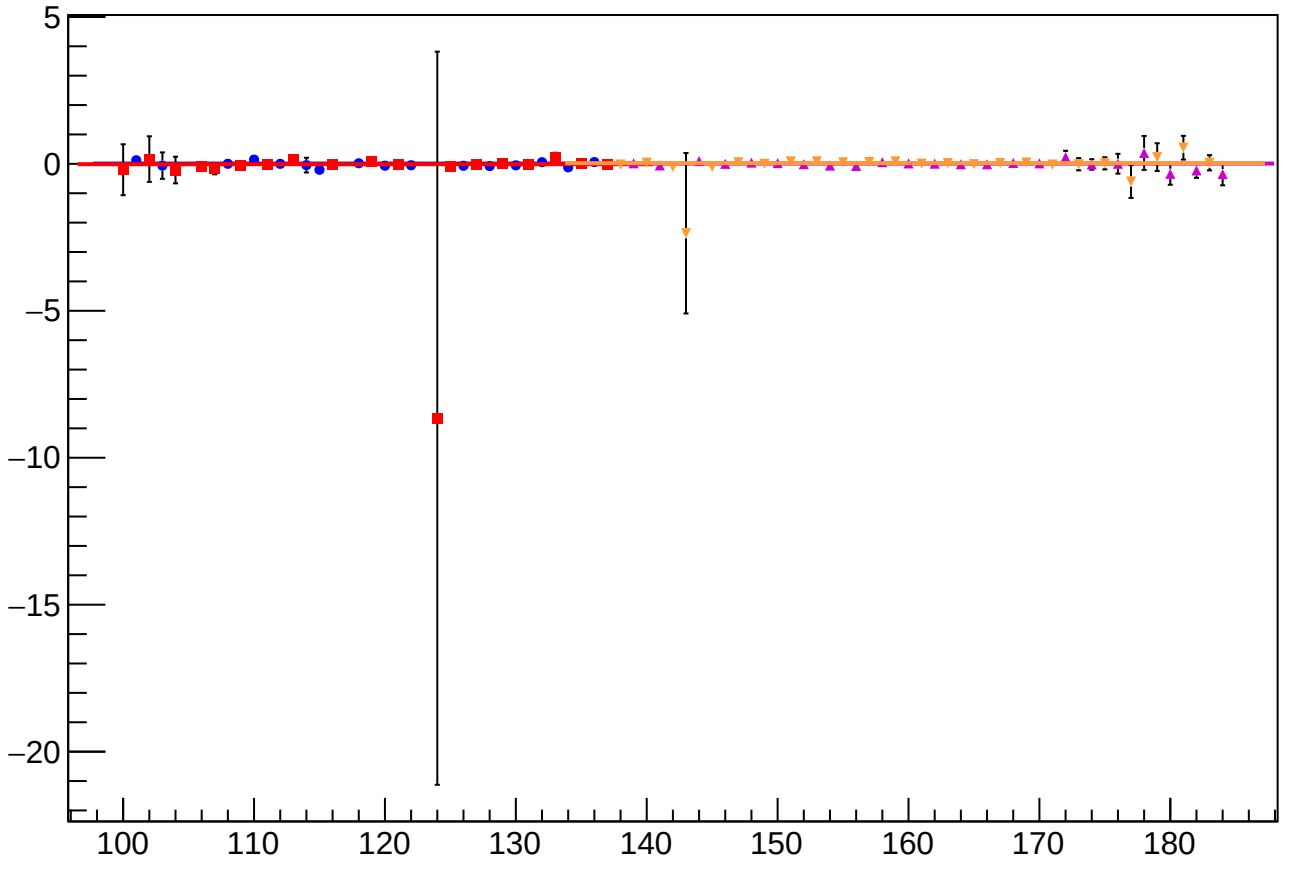
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6496825.4/39

All: 0.000+/-0.000 χ^2/NDF: 11924030.5/81

- sign 0.000+/-0.000 χ^2/NDF: 5184868.6/41



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

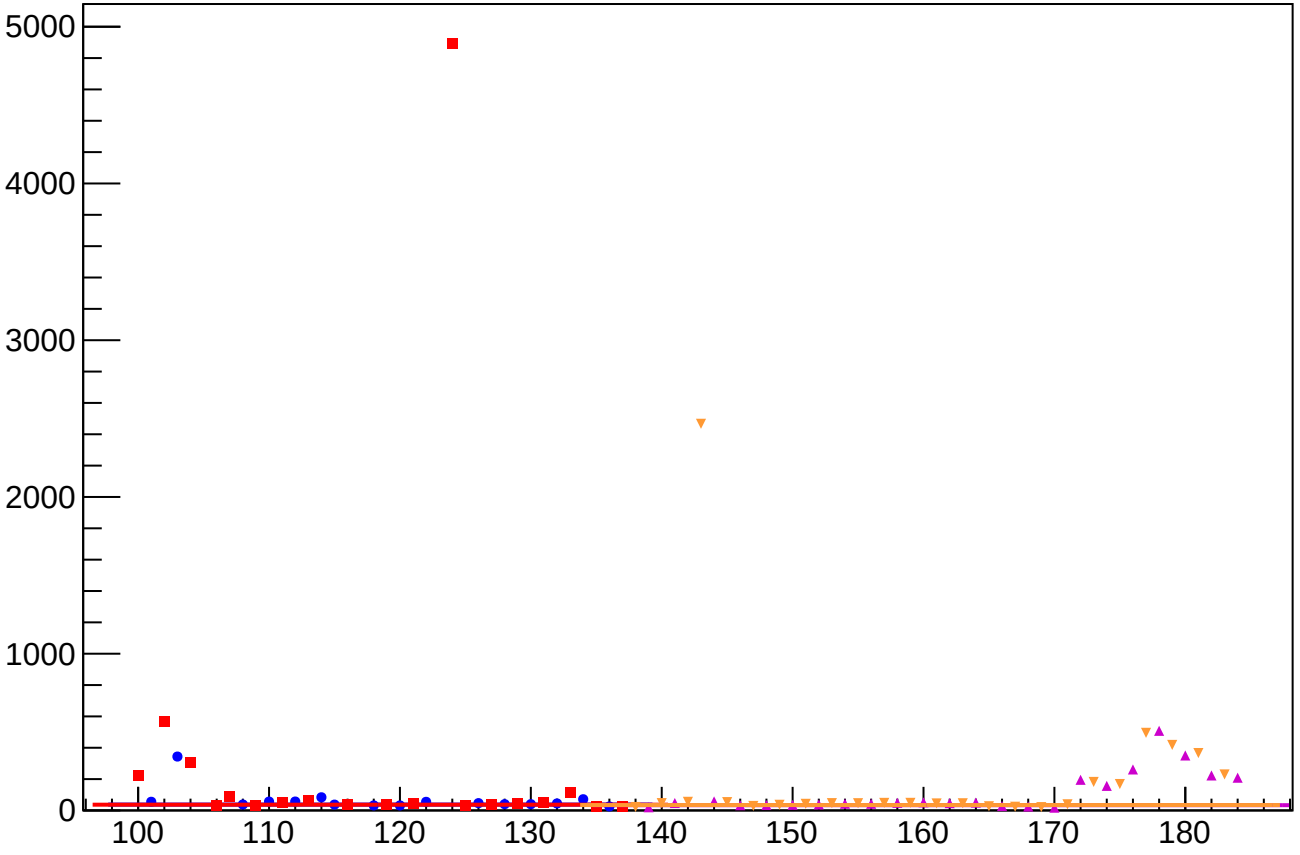
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 71.4/81

- sign 0.004+/-0.009 χ^2/NDF: 28.7/41

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

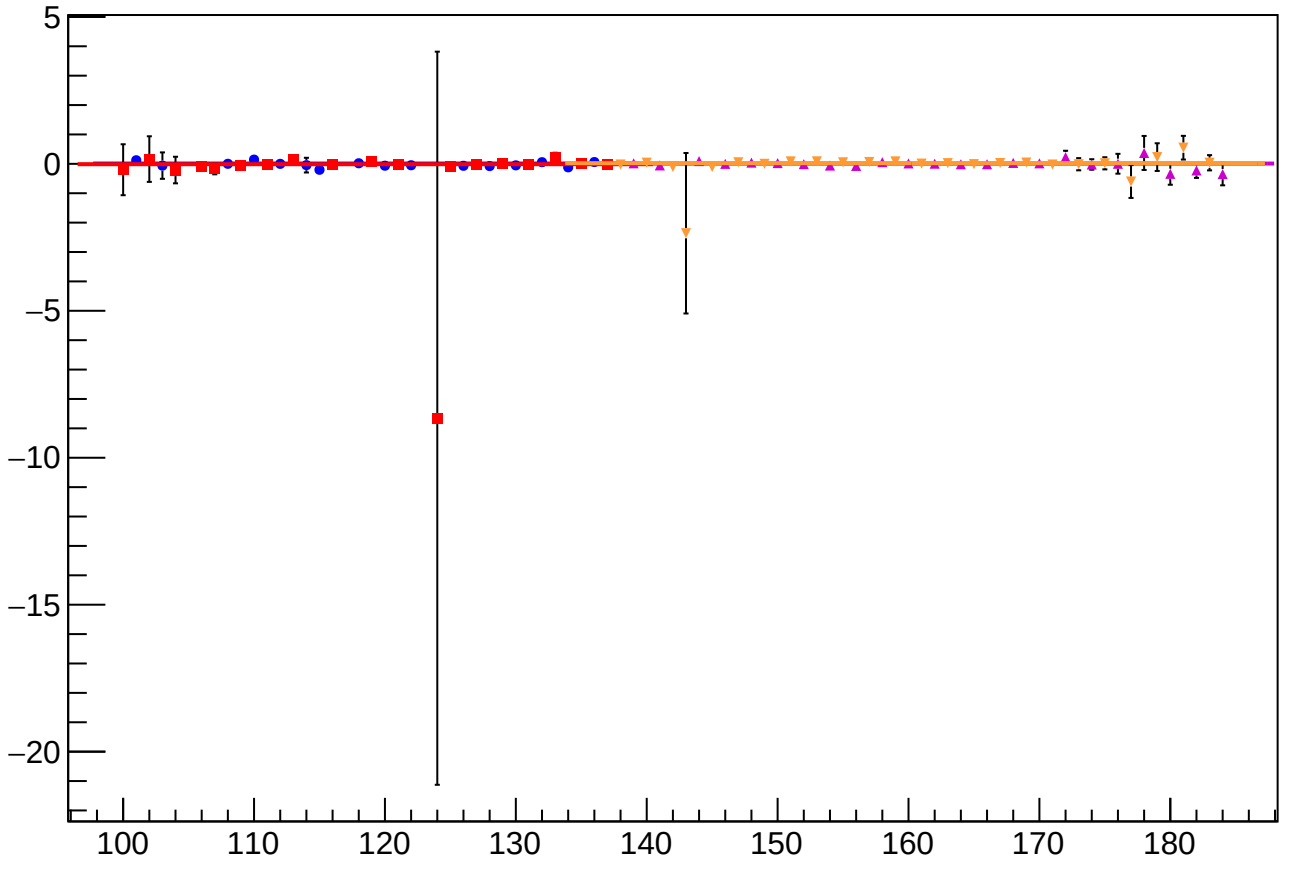
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.373+/-0.006 χ^2/NDF: 13072101.2/39

All: 34.896+/-0.004 χ^2/NDF: 26396151.3/81

\- sign 34.429+/-0.006 χ^2/NDF: 13311924.2/41



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

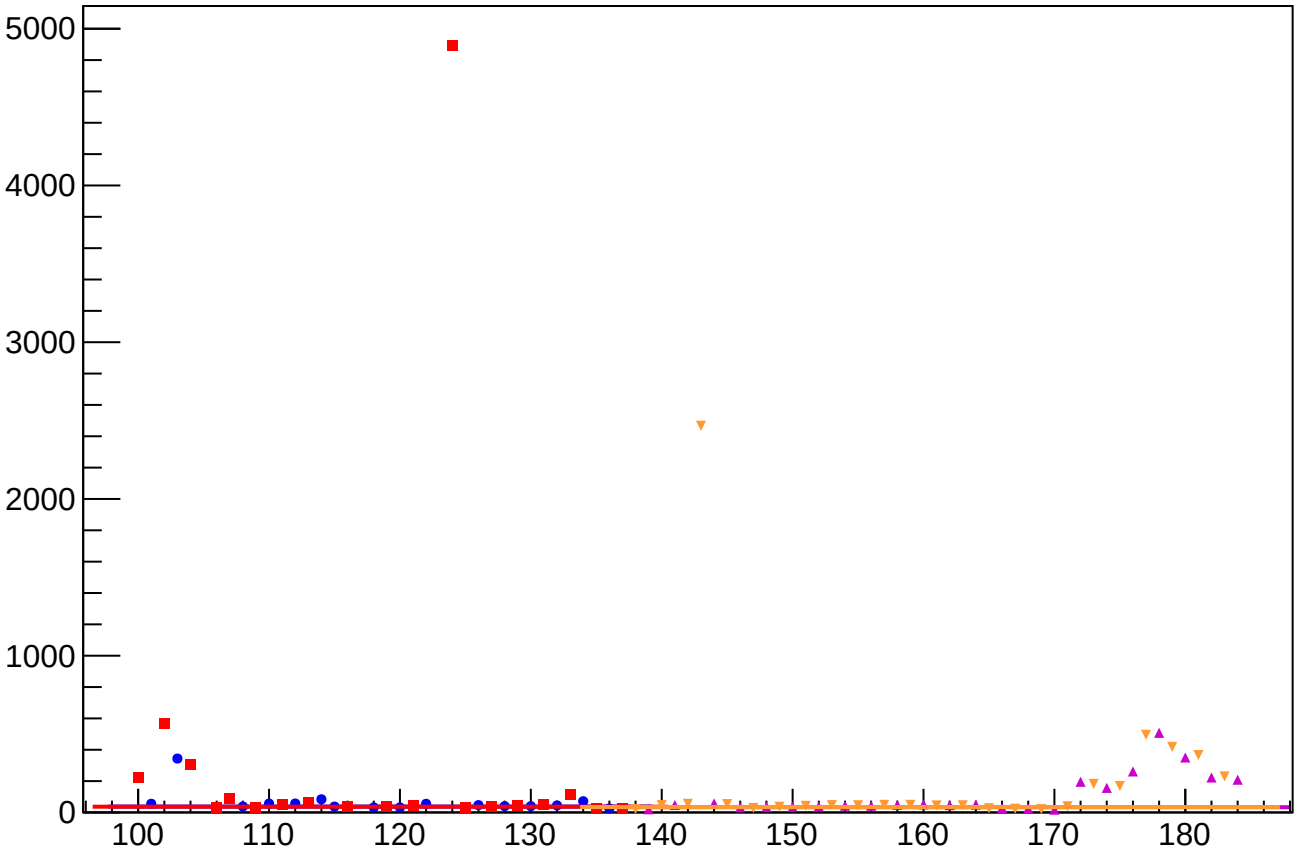
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 71.4/81

- sign 0.004+/-0.009 χ^2/NDF: 28.7/41



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.518+/-0.007 χ^2/NDF:11039981.4/23

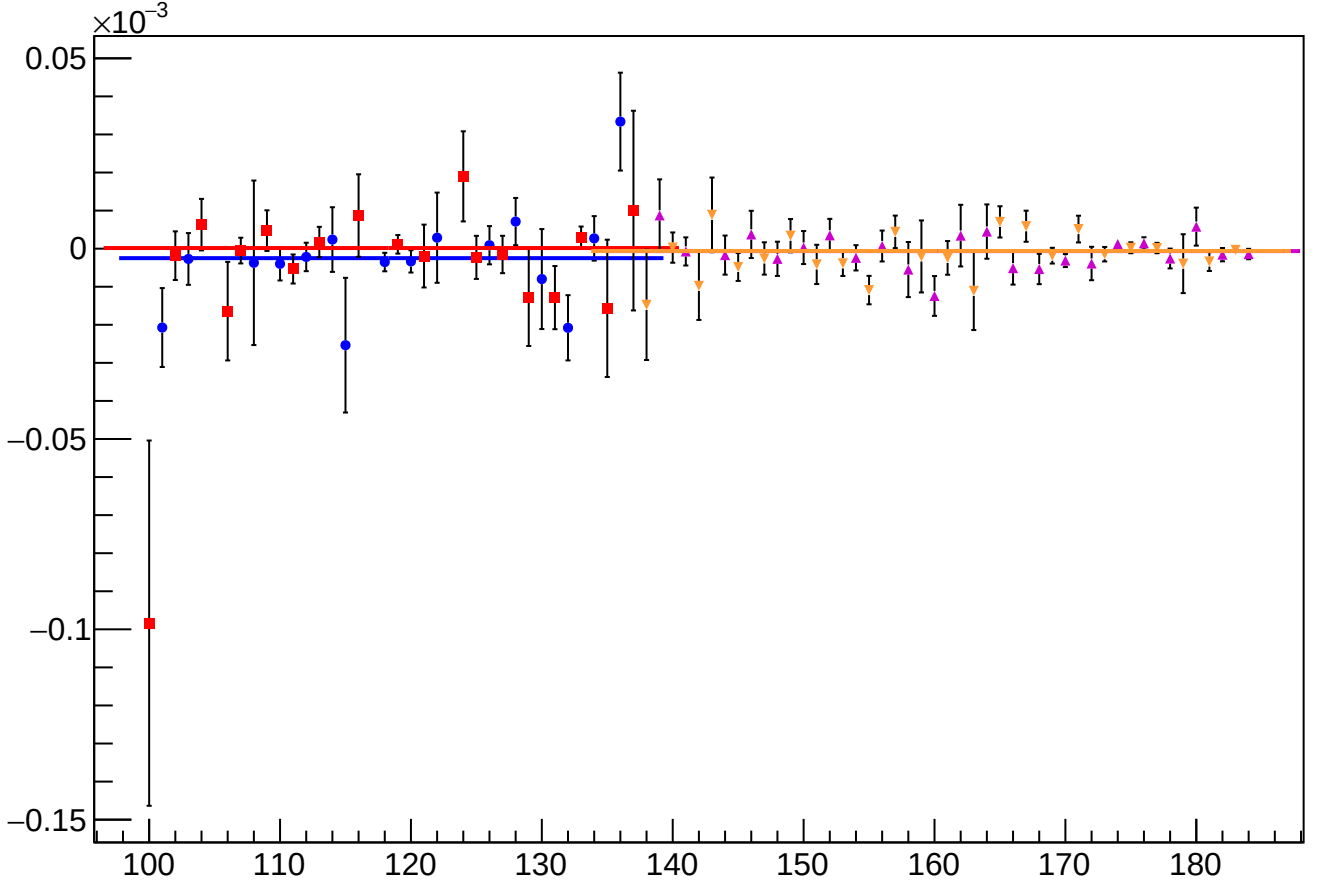
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.373+/-0.006 χ^2/NDF: 13072101.2/39

All: 34.896+/-0.004 χ^2/NDF: 26396151.3/81

\- sign 34.429+/-0.006 χ^2/NDF: 13311924.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/23

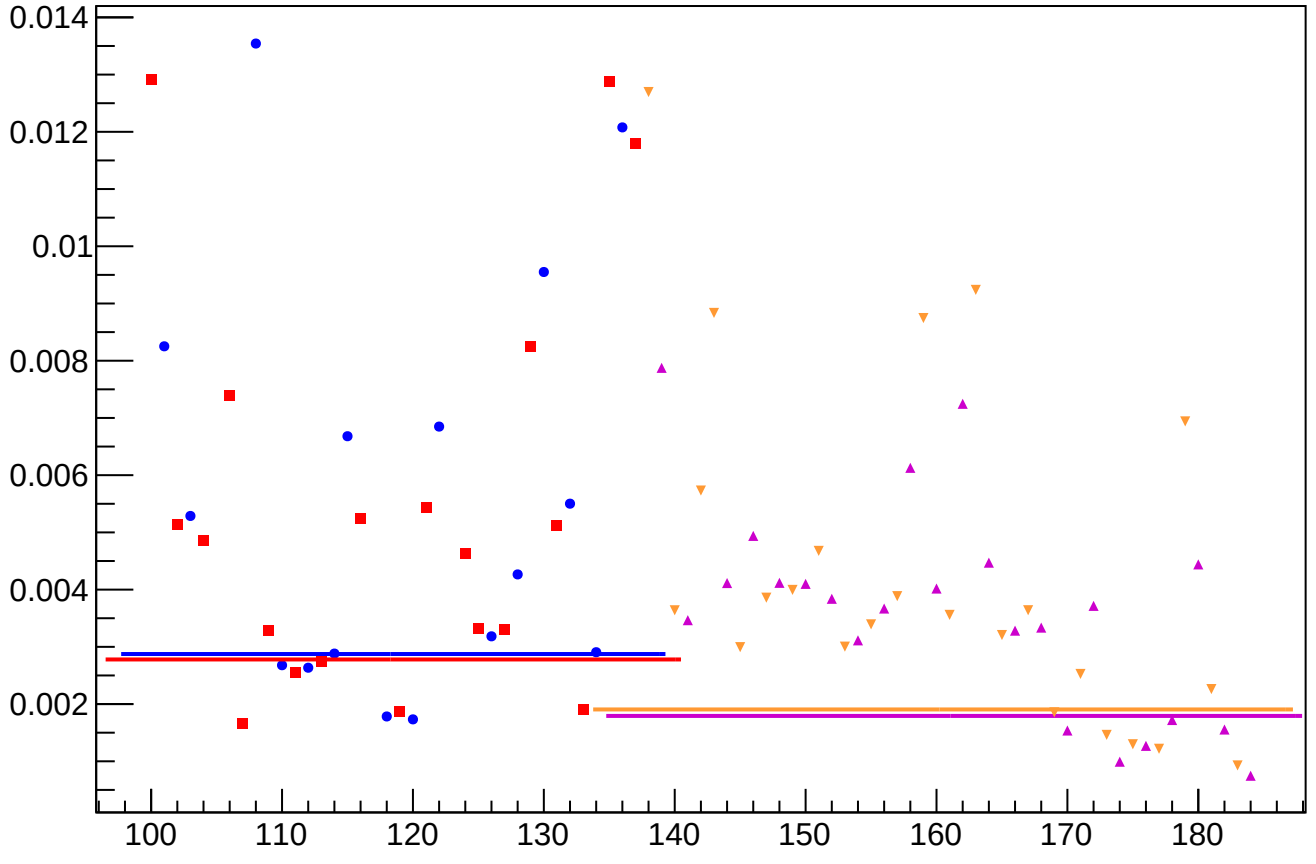
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/39

All: -0.000+/-0.000 χ^2/NDF: 93.5/81

- sign -0.000+/-0.000 χ^2/NDF: 41.2/41



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:11849002.0/23

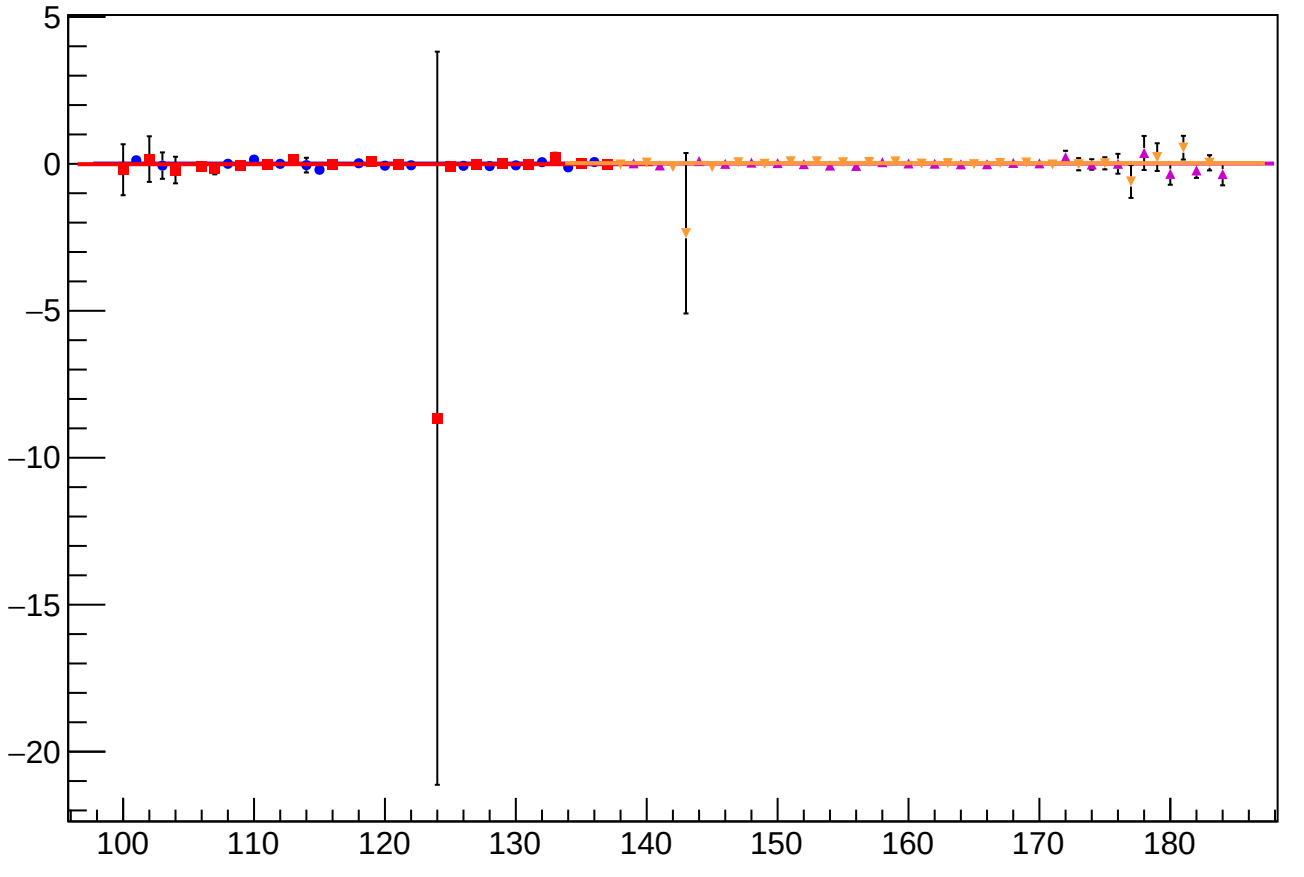
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 16937766.6/39

All: 0.002+/-0.000 χ^2/NDF: 32205381.7/81

- sign 0.002+/-0.000 χ^2/NDF: 15240388.7/41



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:21.3/23

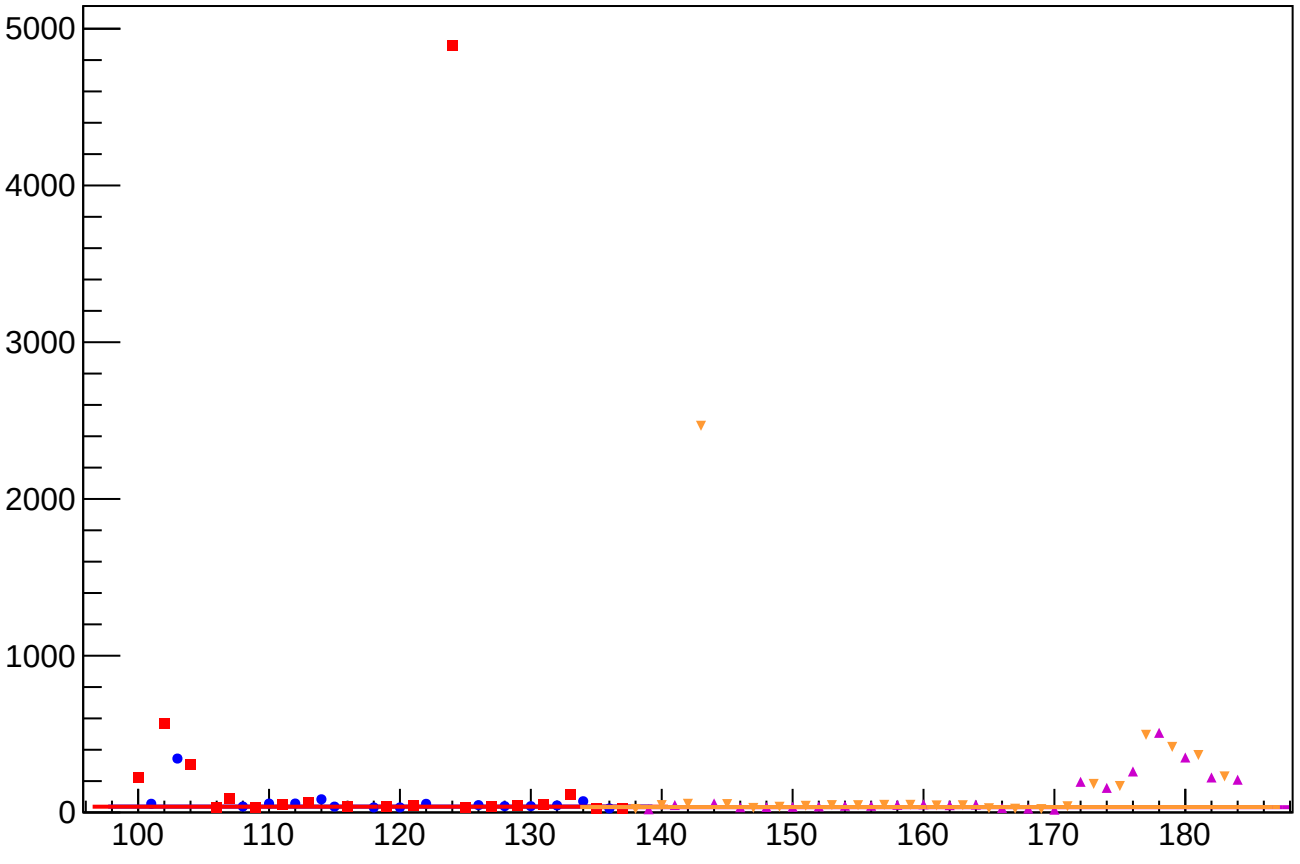
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 71.4/81

- sign 0.004+/-0.009 χ^2/NDF: 28.7/41



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.517+/-0.007 χ^2/NDF:11040092.0/23

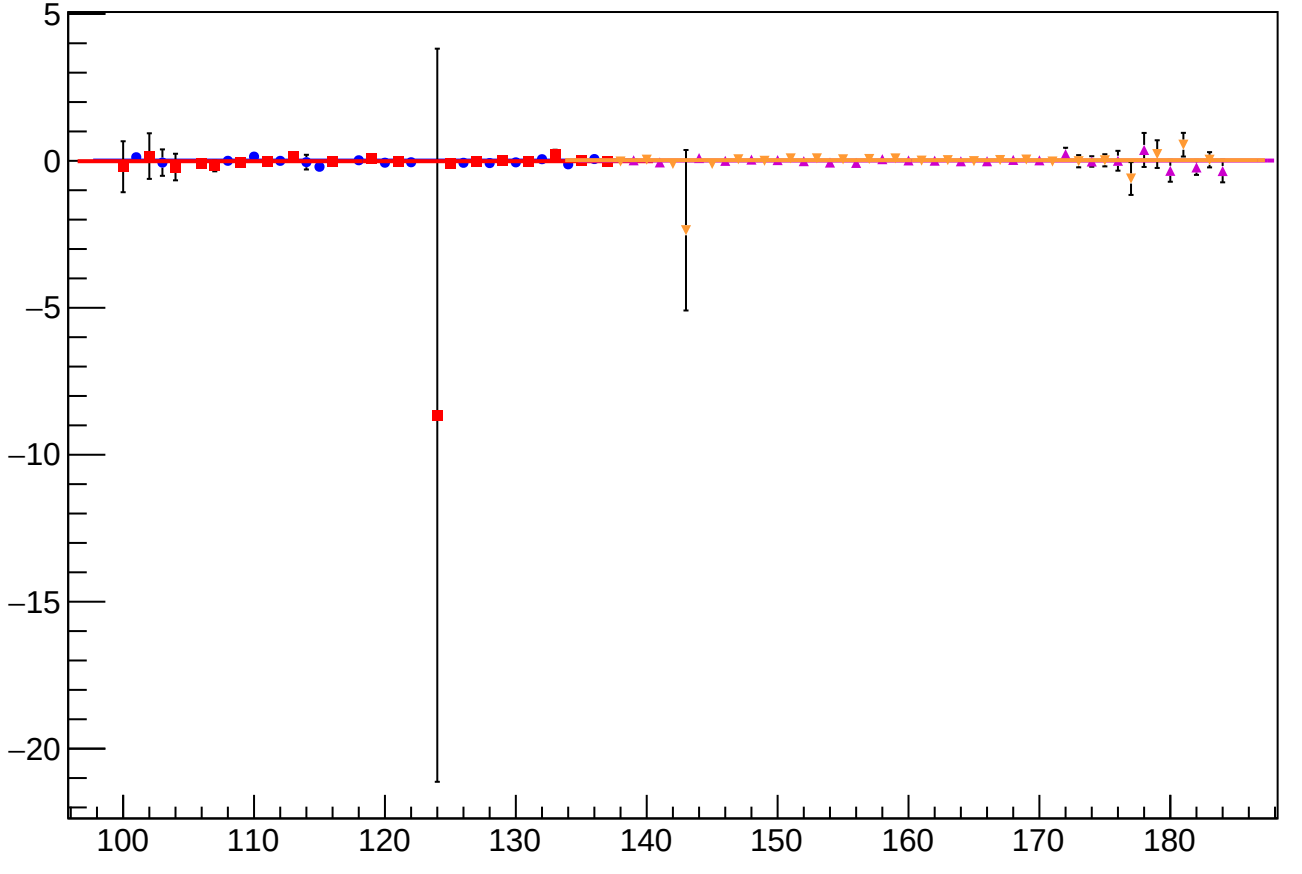
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.372+/-0.006 χ^2/NDF: 13072192.0/39

All: 34.897+/-0.004 χ^2/NDF: 26394580.0/81

- sign 34.431+/-0.006 χ^2/NDF: 13310331.7/41



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

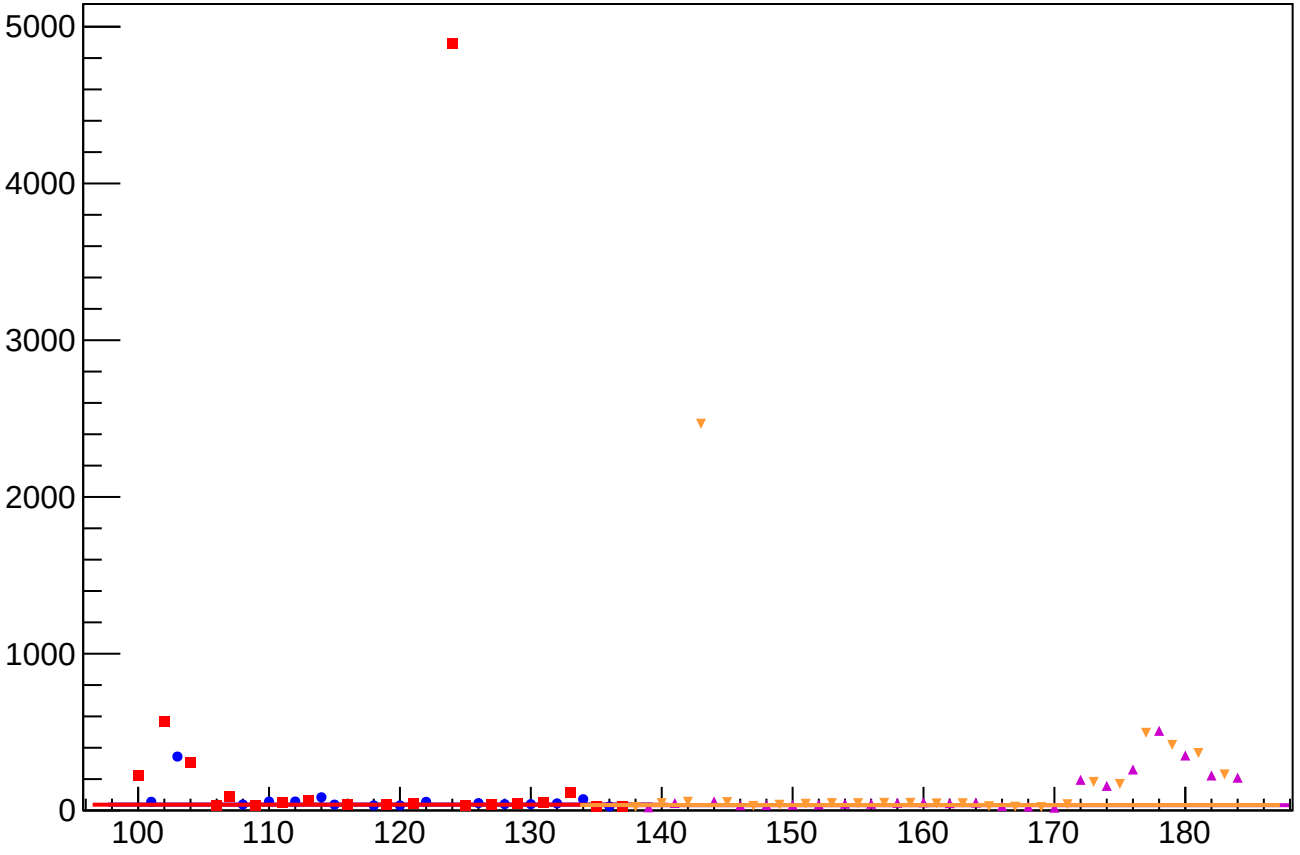
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 41.1/39

All: 0.011+/-0.006 χ^2/NDF: 71.4/81

- sign 0.004+/-0.009 χ^2/NDF: 28.7/41

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

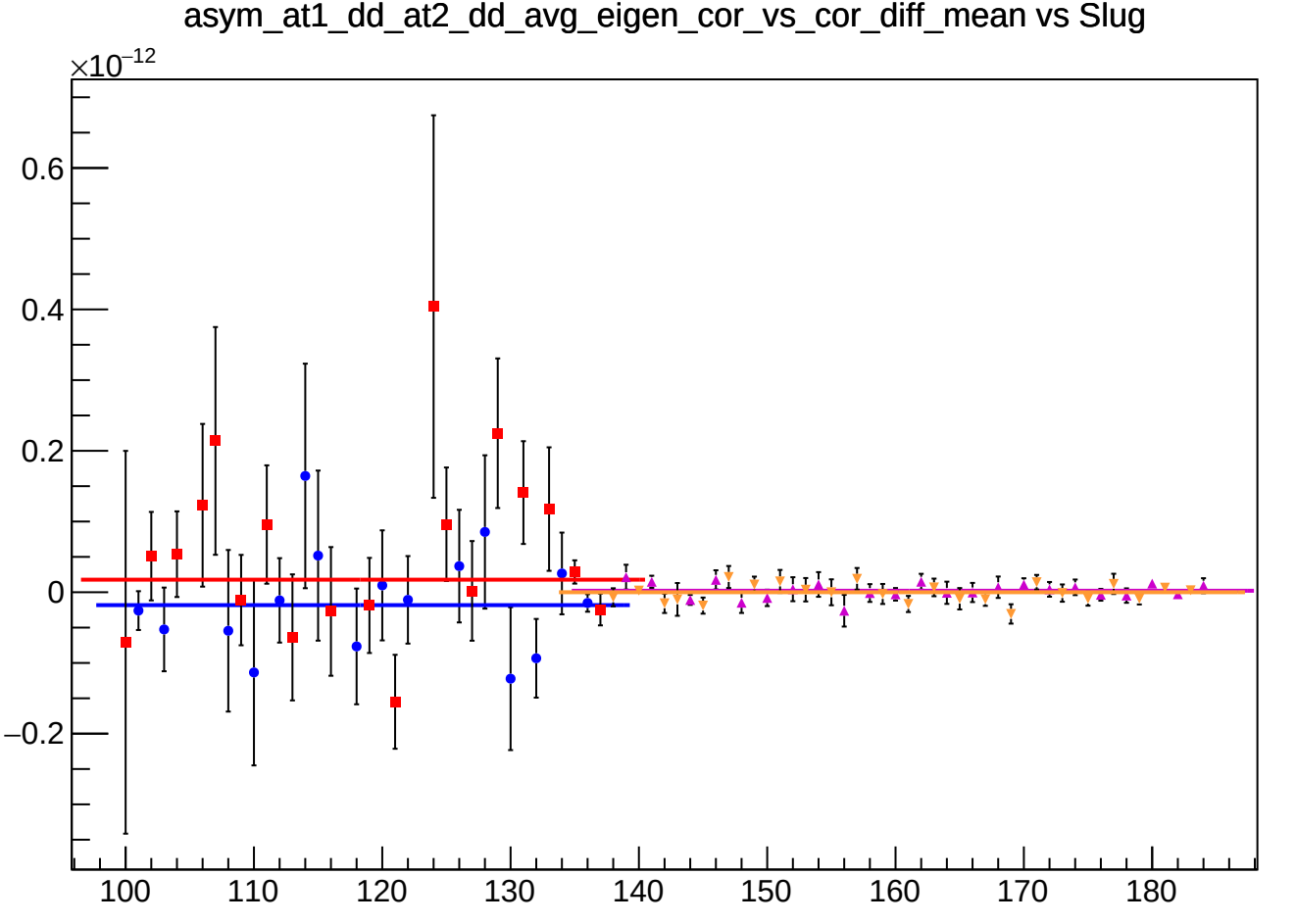
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.372+/-0.006 χ^2/NDF: 13072192.0/39

All: 34.897+/-0.004 χ^2/NDF: 26394580.0/81

\- sign 34.431+/-0.006 χ^2/NDF: 13310331.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/23

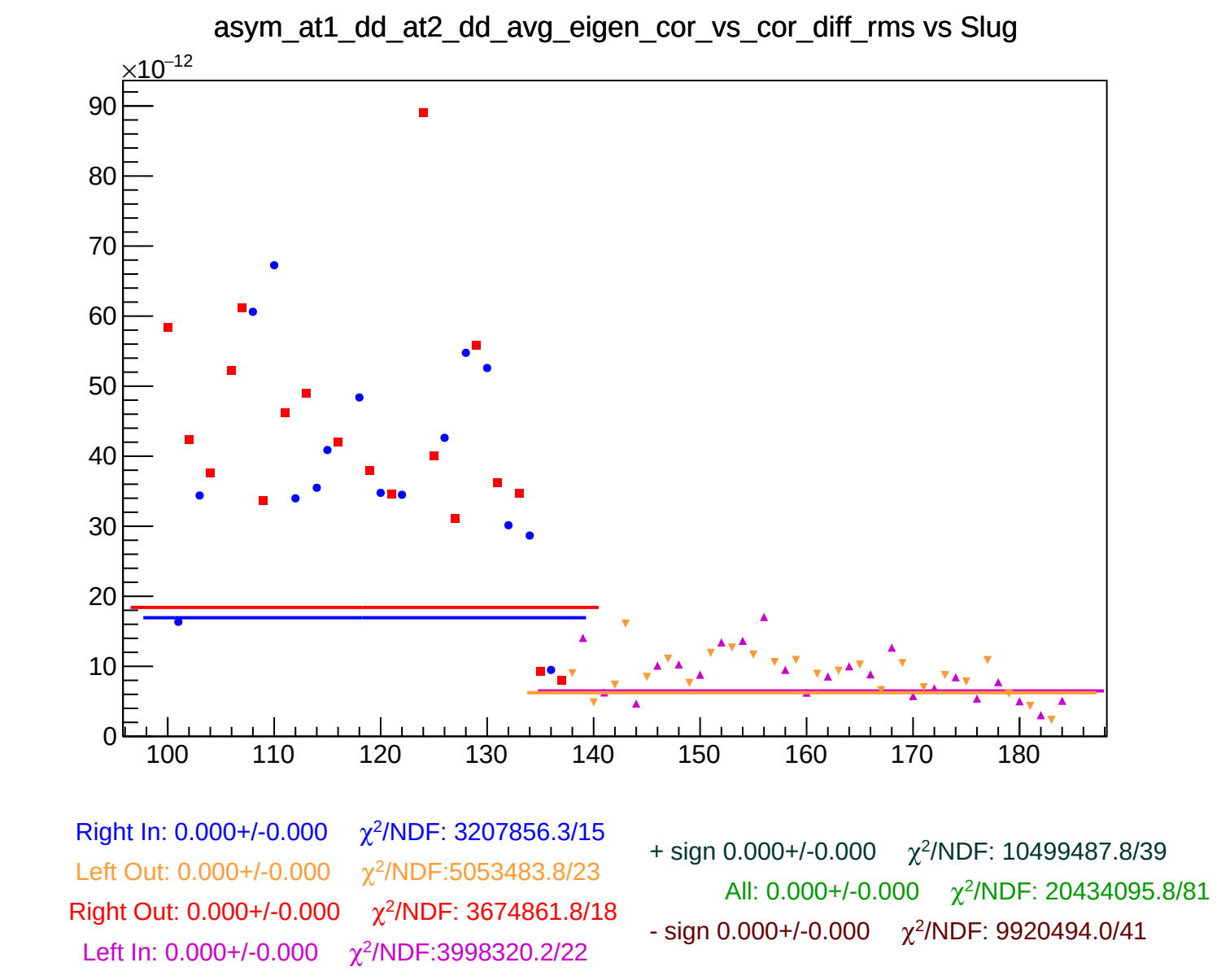
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

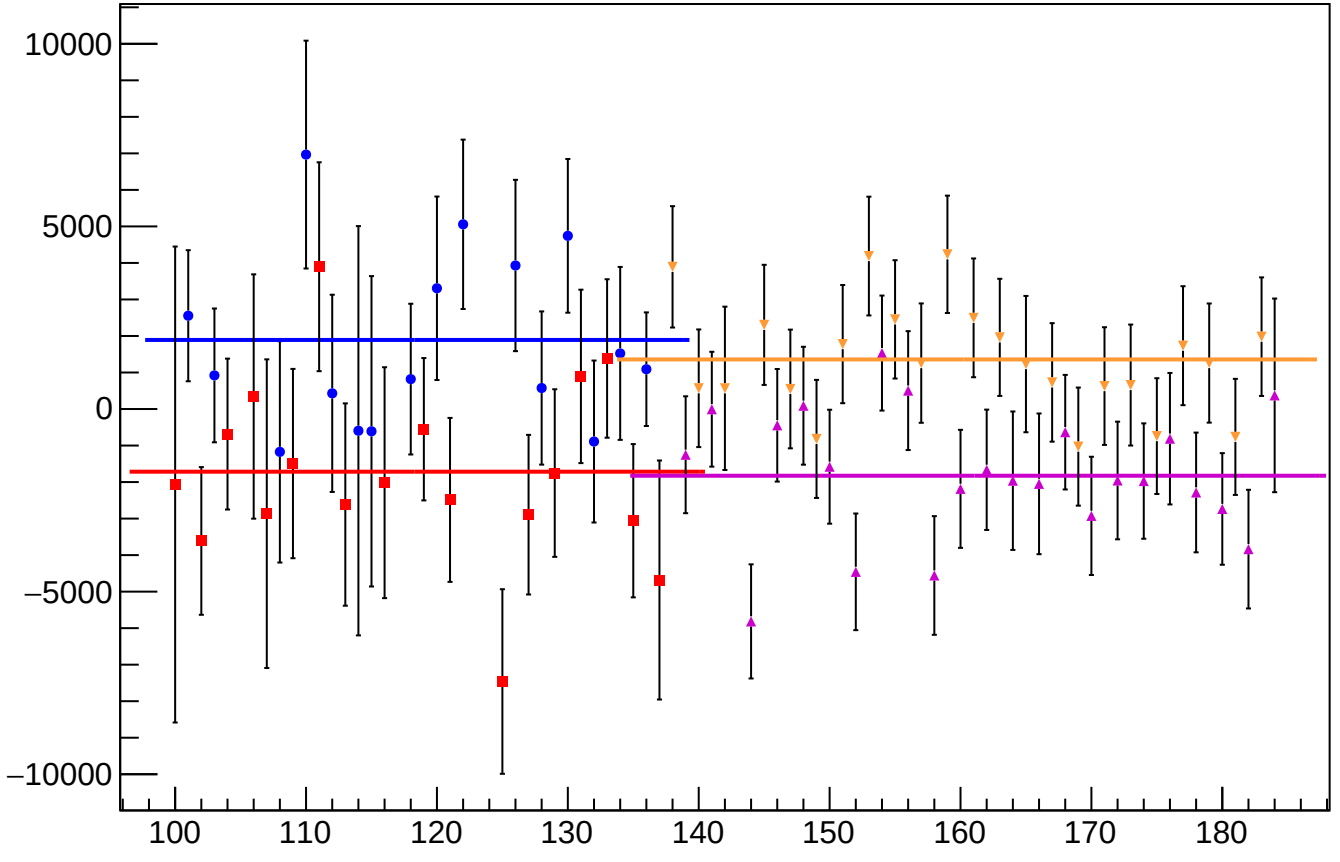
+ sign -0.000+/-0.000 χ^2/NDF: 36.9/39

All: 0.000+/-0.000 χ^2/NDF: 87.5/81

- sign 0.000+/-0.000 χ^2/NDF: 49.2/41


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:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10499487.8/39
All: 0.000+/-0.000 χ²/NDF: 20434095.8/81
- sign 0.000+/-0.000 χ²/NDF: 9920494.0/41

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

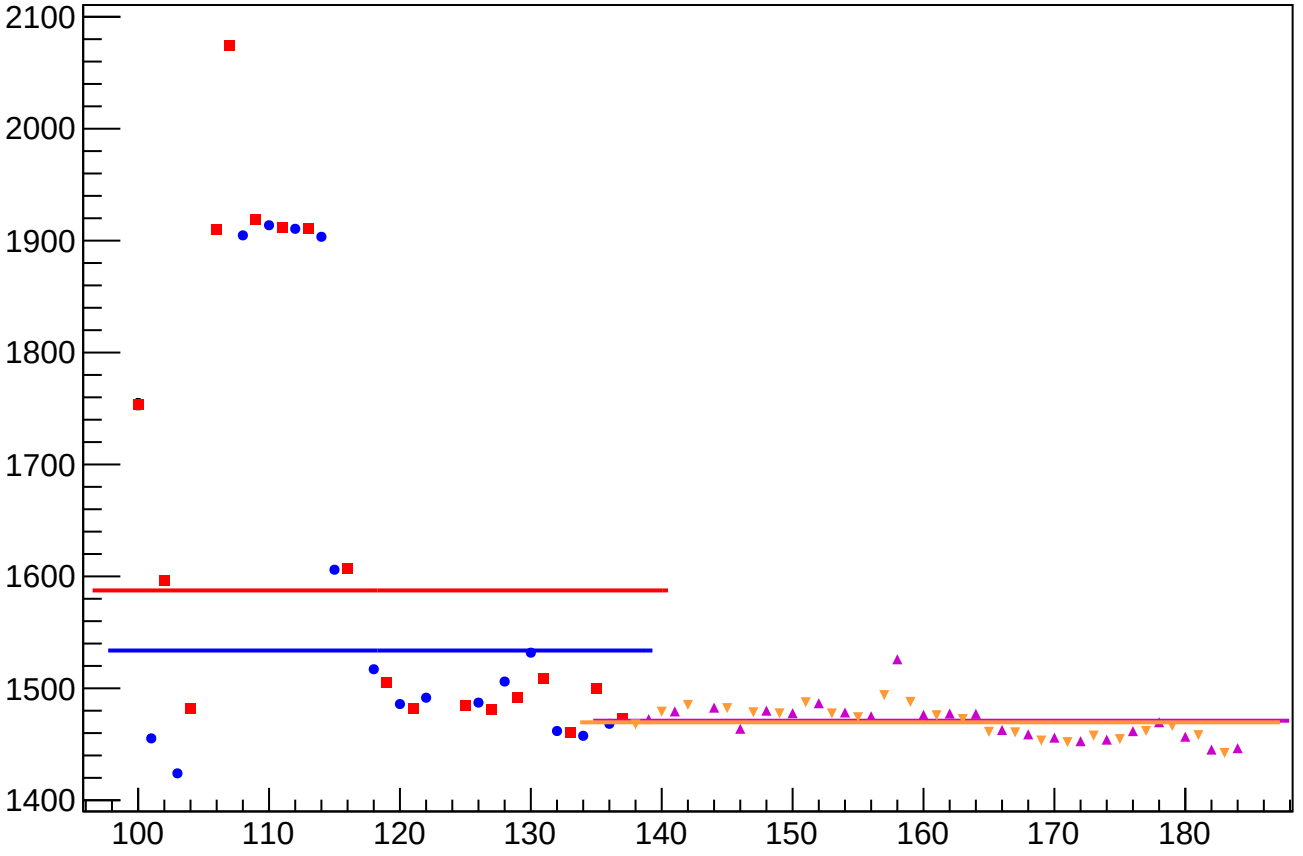
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1498.994+/-294.518 χ^2/NDF: 31.8/38

All: -137.152+/-209.051 χ^2/NDF: 136.5/79

- sign -1798.545+/-296.781 χ^2/NDF: 42.5/40

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

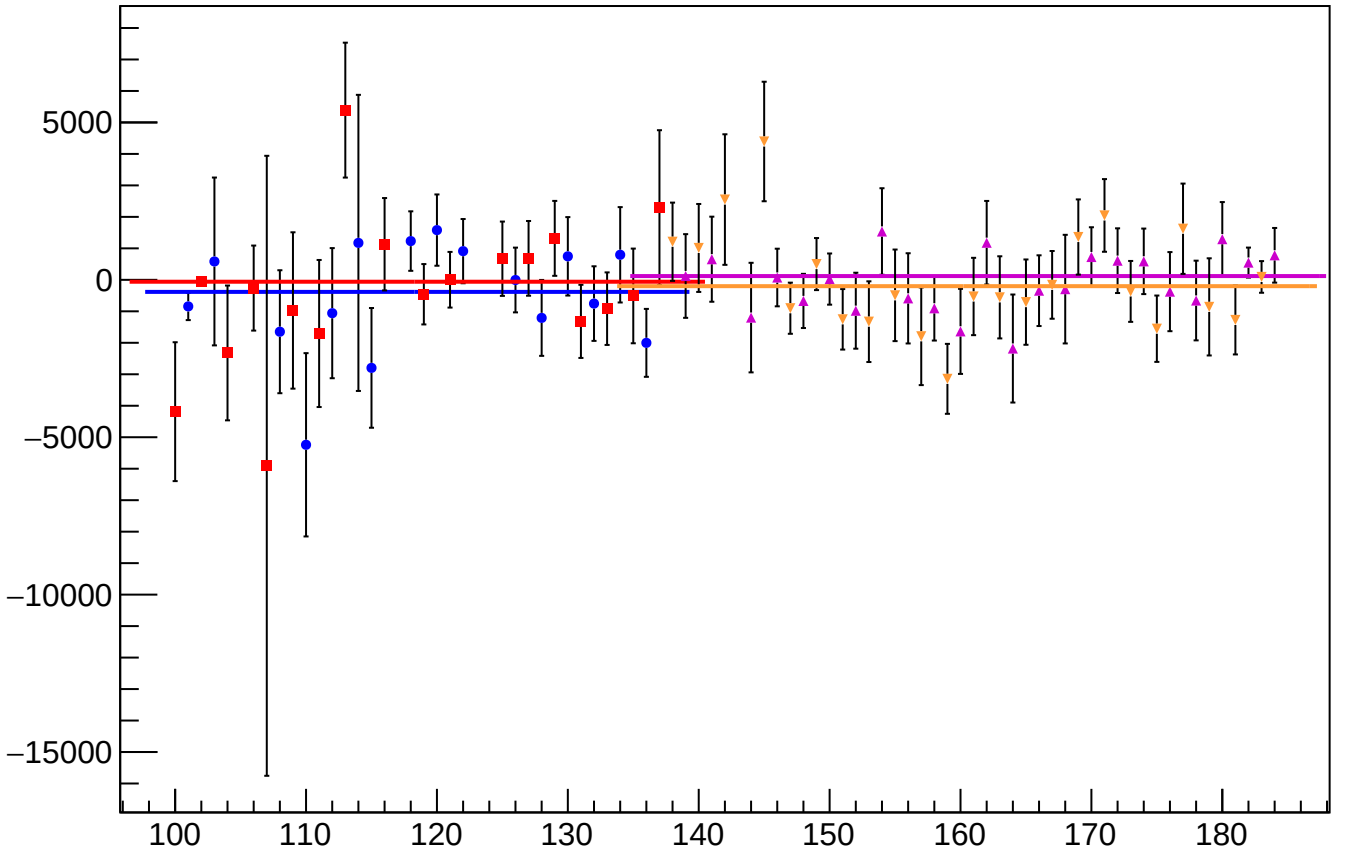
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.624+/-0.208 χ^2/NDF: 150736.4/38

All: 1493.537+/-0.148 χ^2/NDF: 387806.5/79

- sign 1500.556+/-0.210 χ^2/NDF: 234849.1/40



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

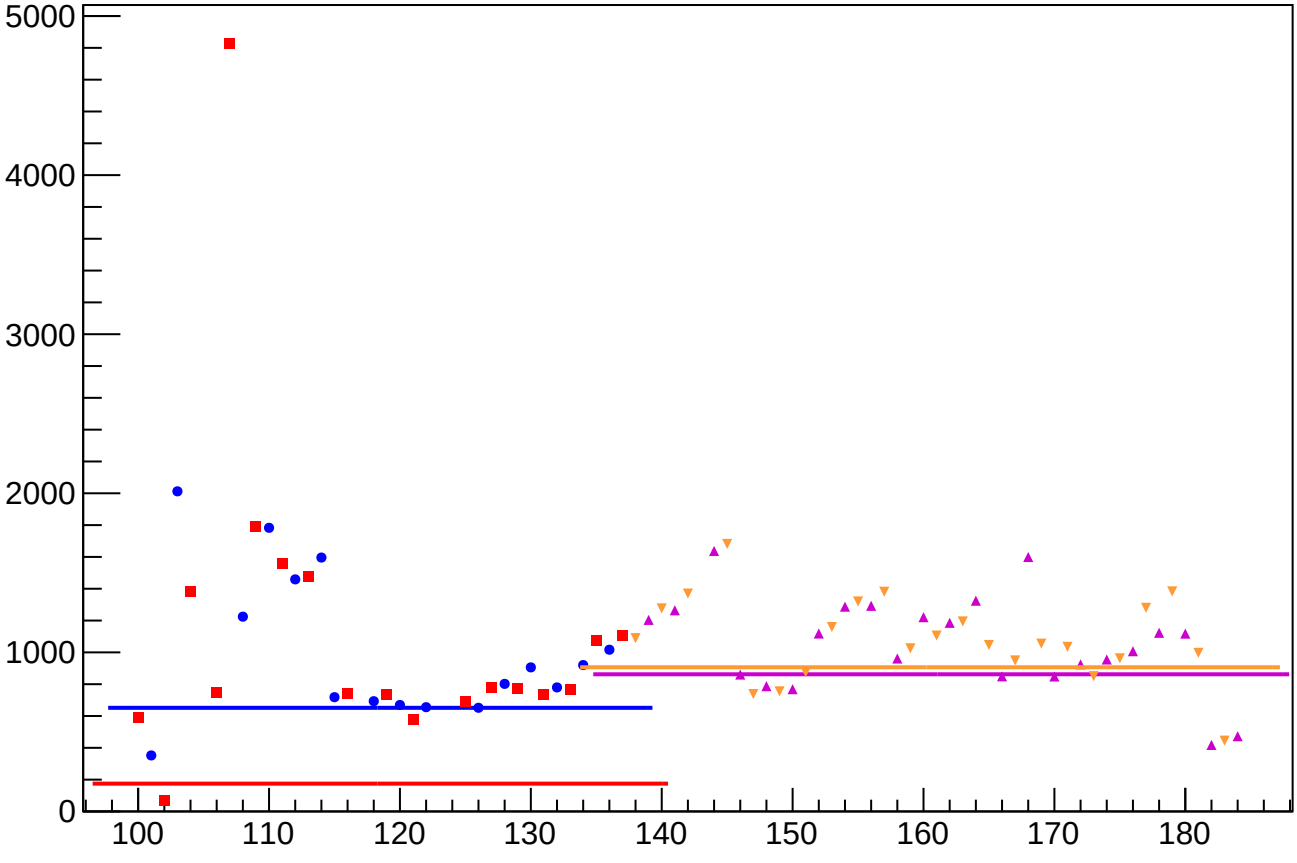
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -274.685+/-173.266 χ^2/NDF: 50.2/38

All: -88.385+/-92.820 χ^2/NDF: 83.0/79

- sign -13.402+/-109.923 χ^2/NDF: 31.1/40

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

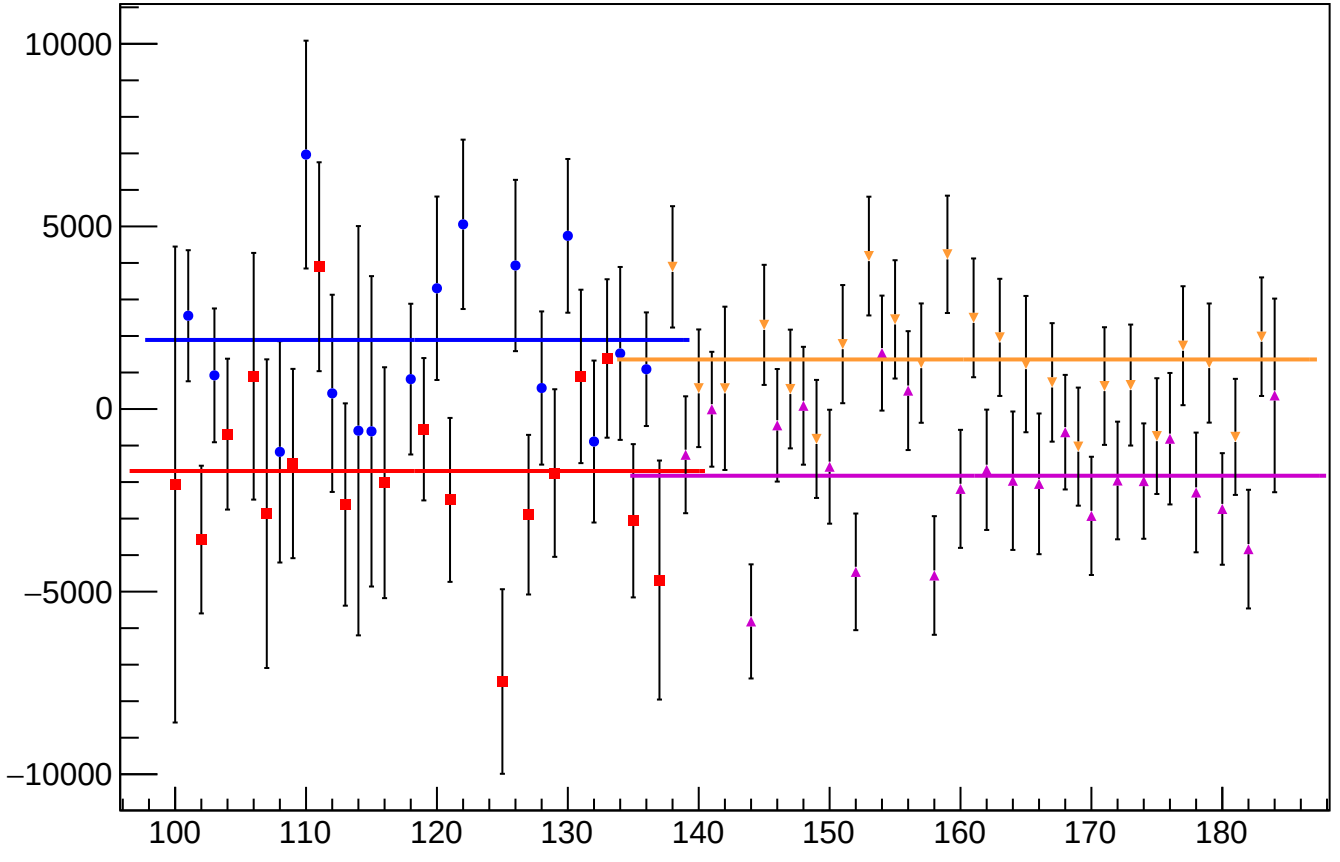
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 803.104+/-0.123 χ^2/NDF: 7295479.4/38

All: 482.146+/-0.066 χ^2/NDF: 46062997.3/79

- sign 352.964+/-0.078 χ^2/NDF: 29142509.2/40

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

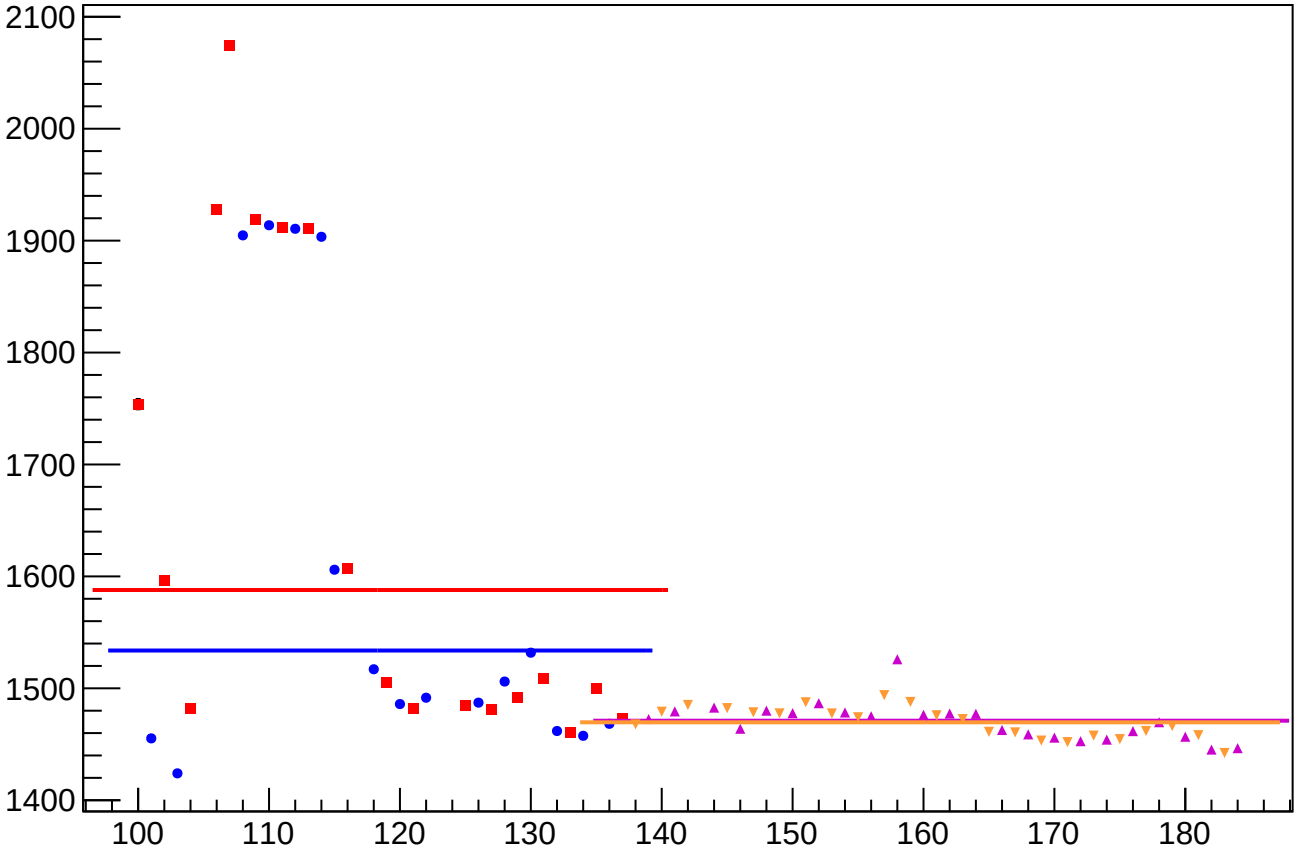
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1499.024+/-294.518 χ^2/NDF: 31.8/38

All: -134.653+/-209.059 χ^2/NDF: 136.5/79

- sign -1793.798+/-296.804 χ^2/NDF: 42.7/40

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

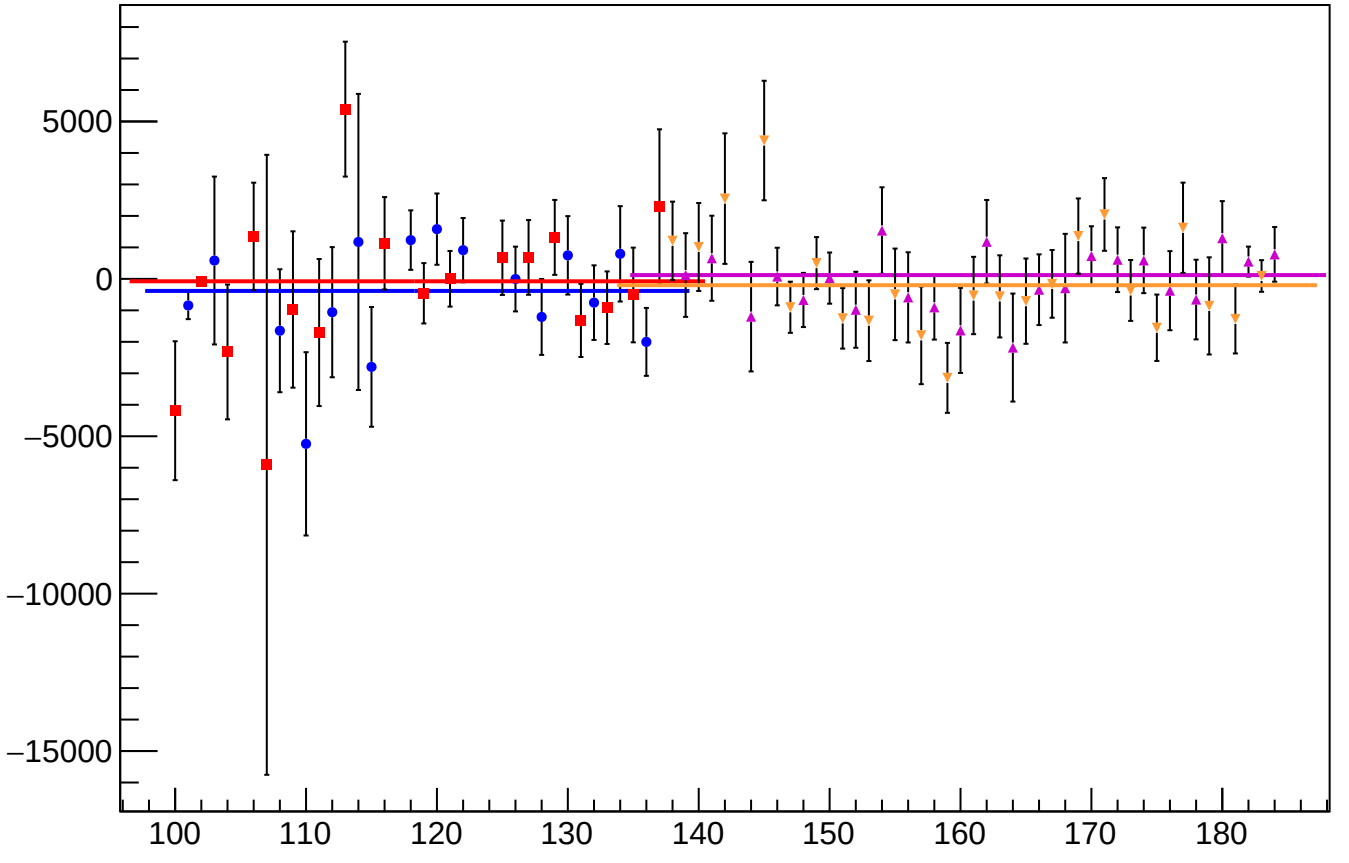
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.624+/-0.208 χ^2/NDF: 150736.4/38

All: 1493.578+/-0.148 χ^2/NDF: 389970.5/79

- sign 1500.640+/-0.210 χ^2/NDF: 236986.5/40



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

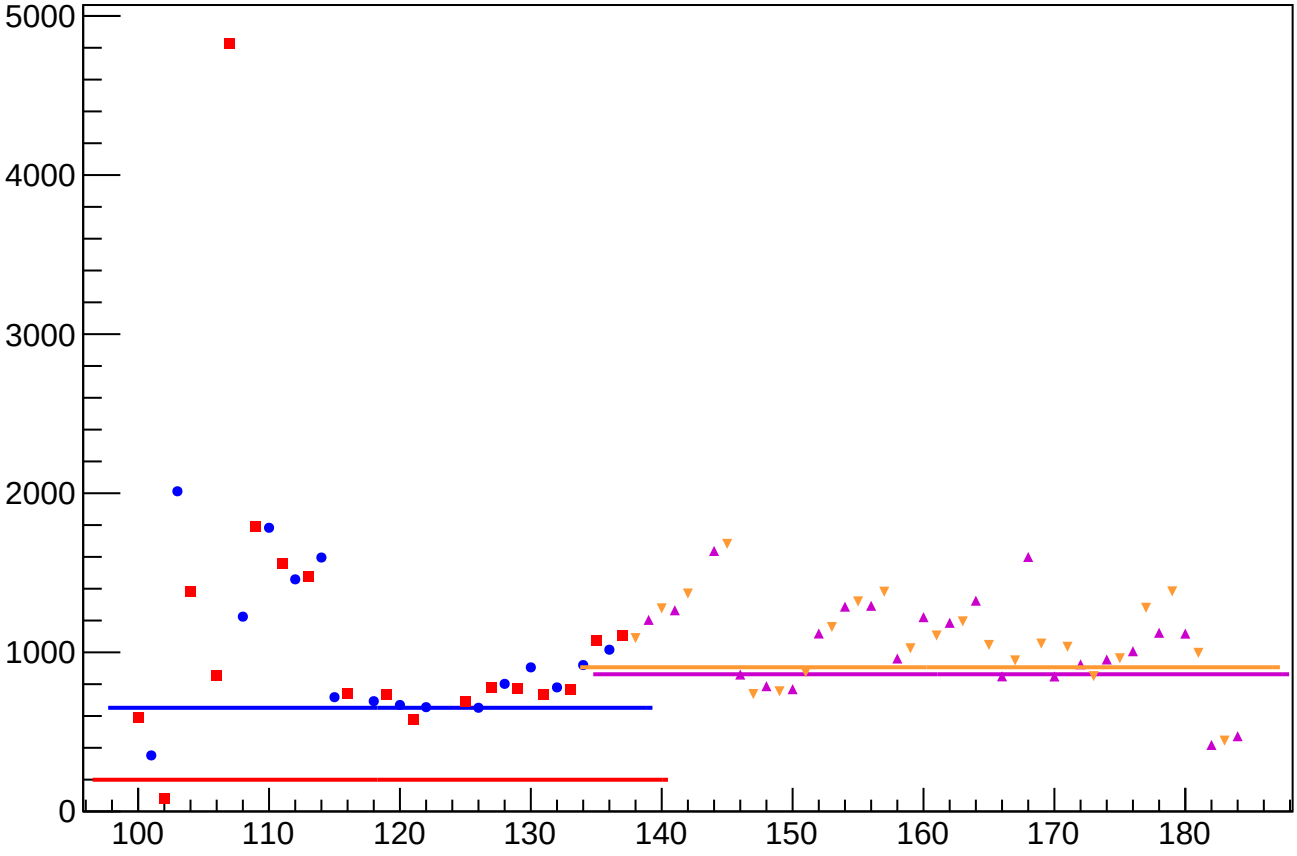
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -274.680+/-173.265 χ^2/NDF: 50.2/38

All: -98.948+/-96.604 χ^2/NDF: 83.6/79

- sign -19.677+/-116.370 χ^2/NDF: 31.9/40

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

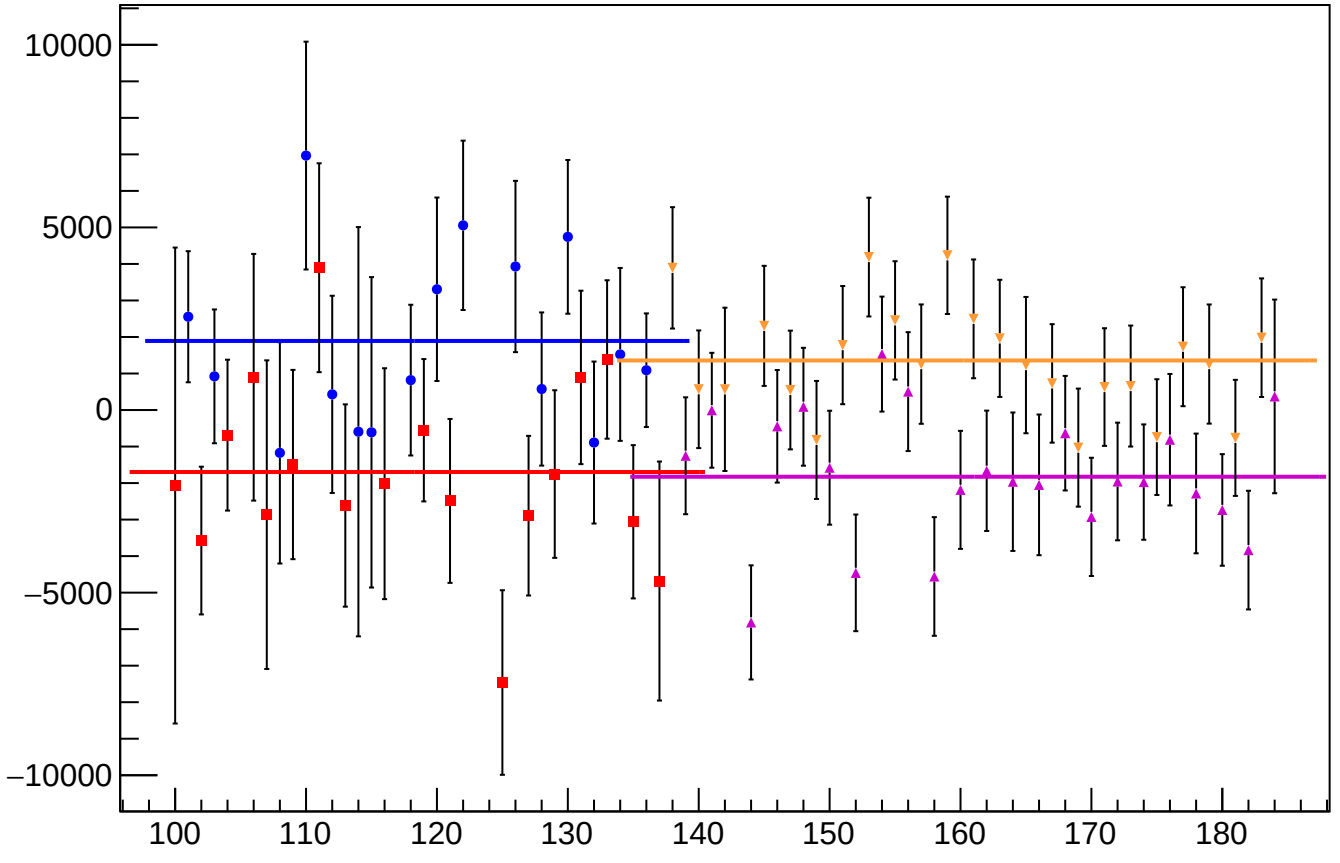
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 803.099+/-0.123 χ^2/NDF: 7295744.8/38

All: 519.666+/-0.068 χ^2/NDF: 42089834.0/79

- sign 391.812+/-0.082 χ^2/NDF: 27027996.9/40

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

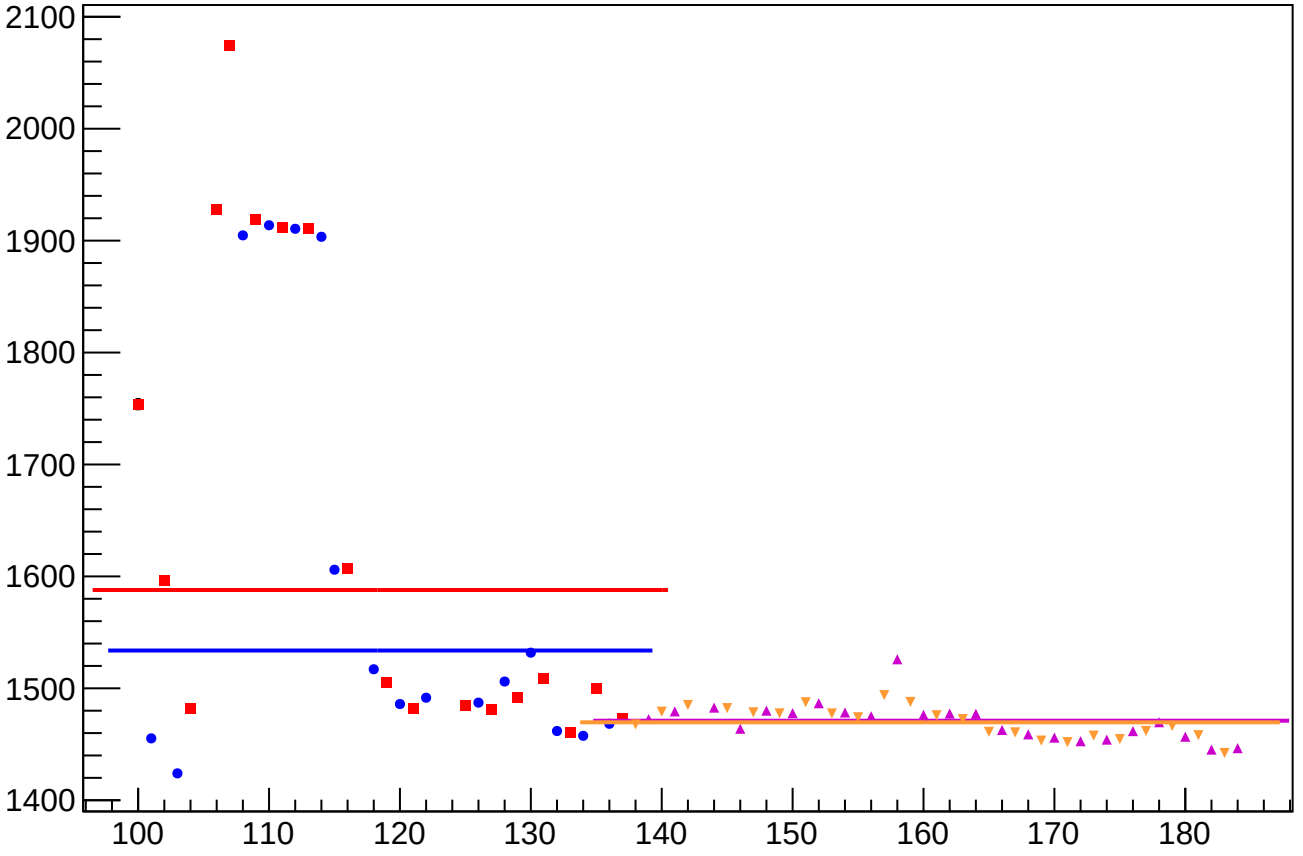
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1499.024+/-294.518 χ^2/NDF: 31.8/38

All: -134.653+/-209.059 χ^2/NDF: 136.5/79

- sign -1793.798+/-296.804 χ^2/NDF: 42.7/40

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

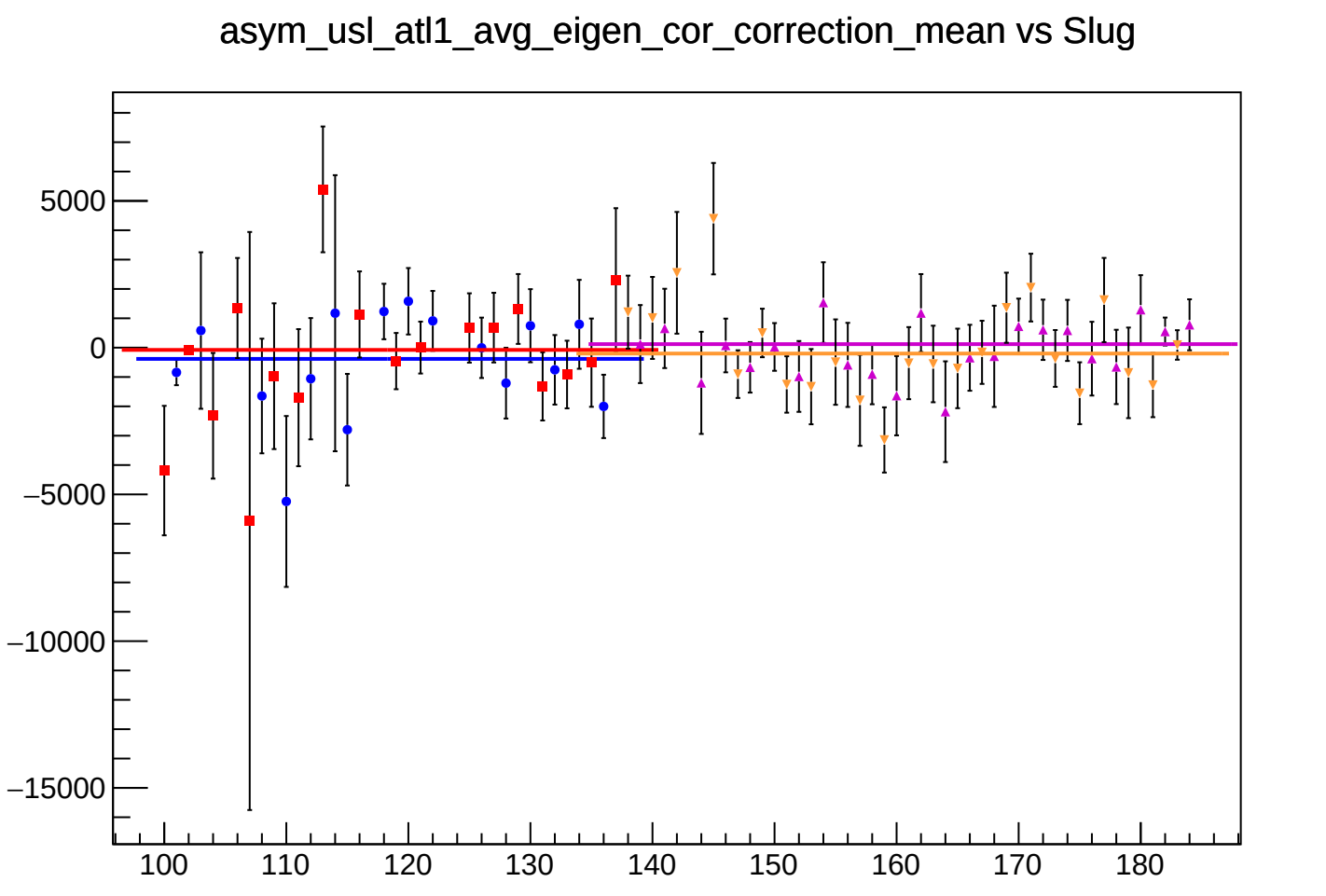
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.624+/-0.208 χ^2/NDF: 150736.4/38

All: 1493.578+/-0.148 χ^2/NDF: 389970.5/79

- sign 1500.640+/-0.210 χ^2/NDF: 236986.5/40



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -201.065+/-224.650 χ^2/NDF:31.8/22

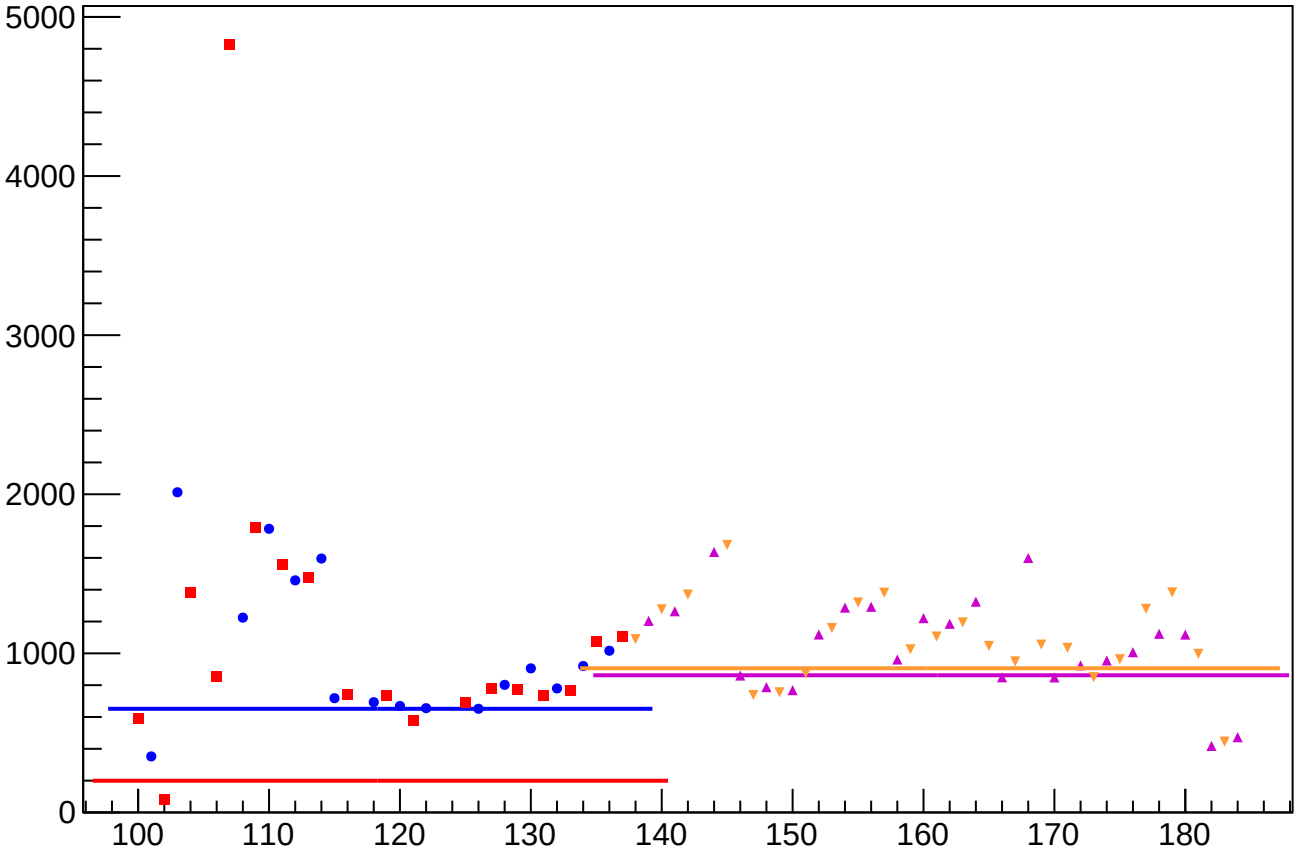
Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -274.680+/-173.265 χ^2/NDF: 50.2/38

All: -98.948+/-96.604 χ^2/NDF: 83.6/79

- sign -19.677+/-116.370 χ^2/NDF: 31.9/40



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

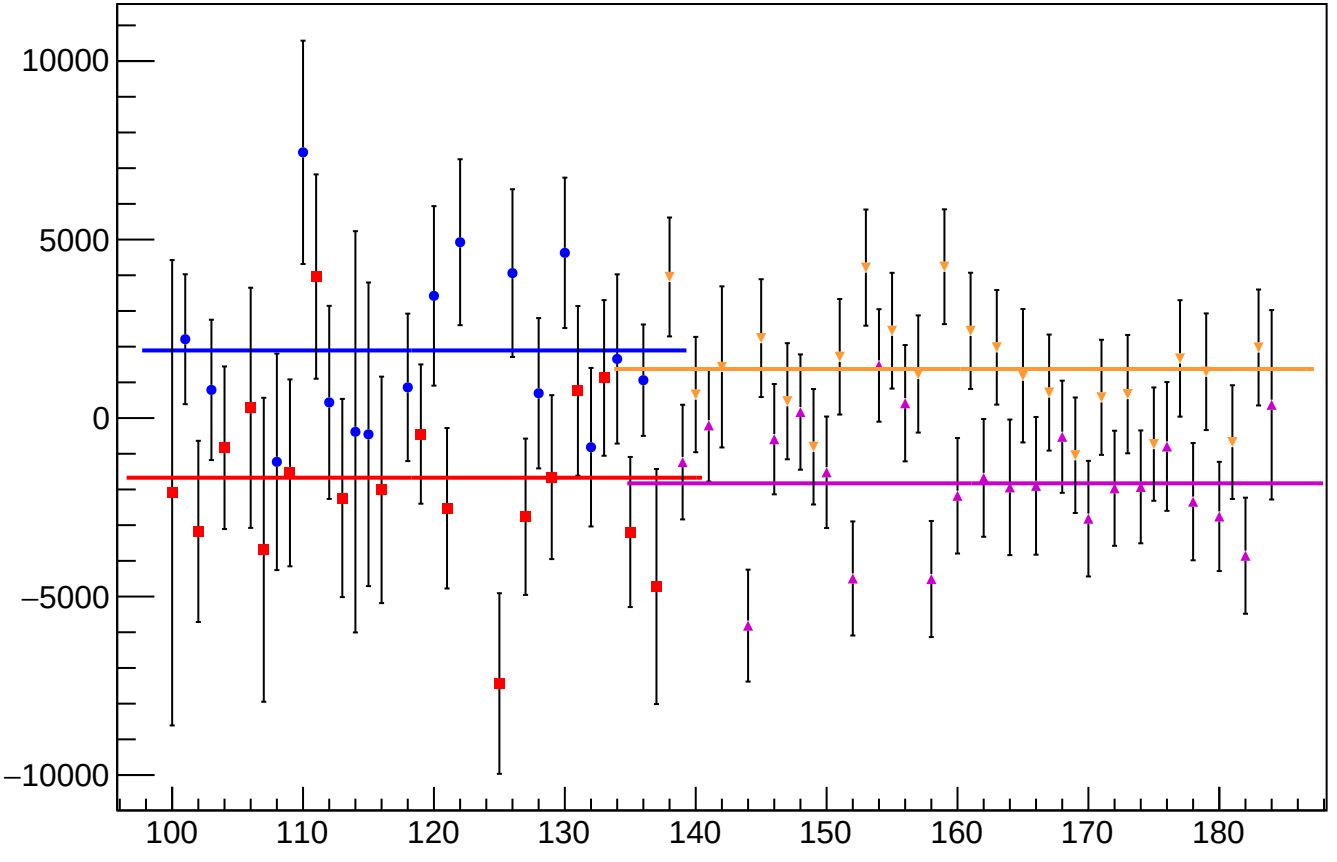
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 803.099+/-0.123 χ^2/NDF: 7295744.8/38

All: 519.666+/-0.068 χ^2/NDF: 42089834.0/79

- sign 391.812+/-0.082 χ^2/NDF: 27027996.9/40

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

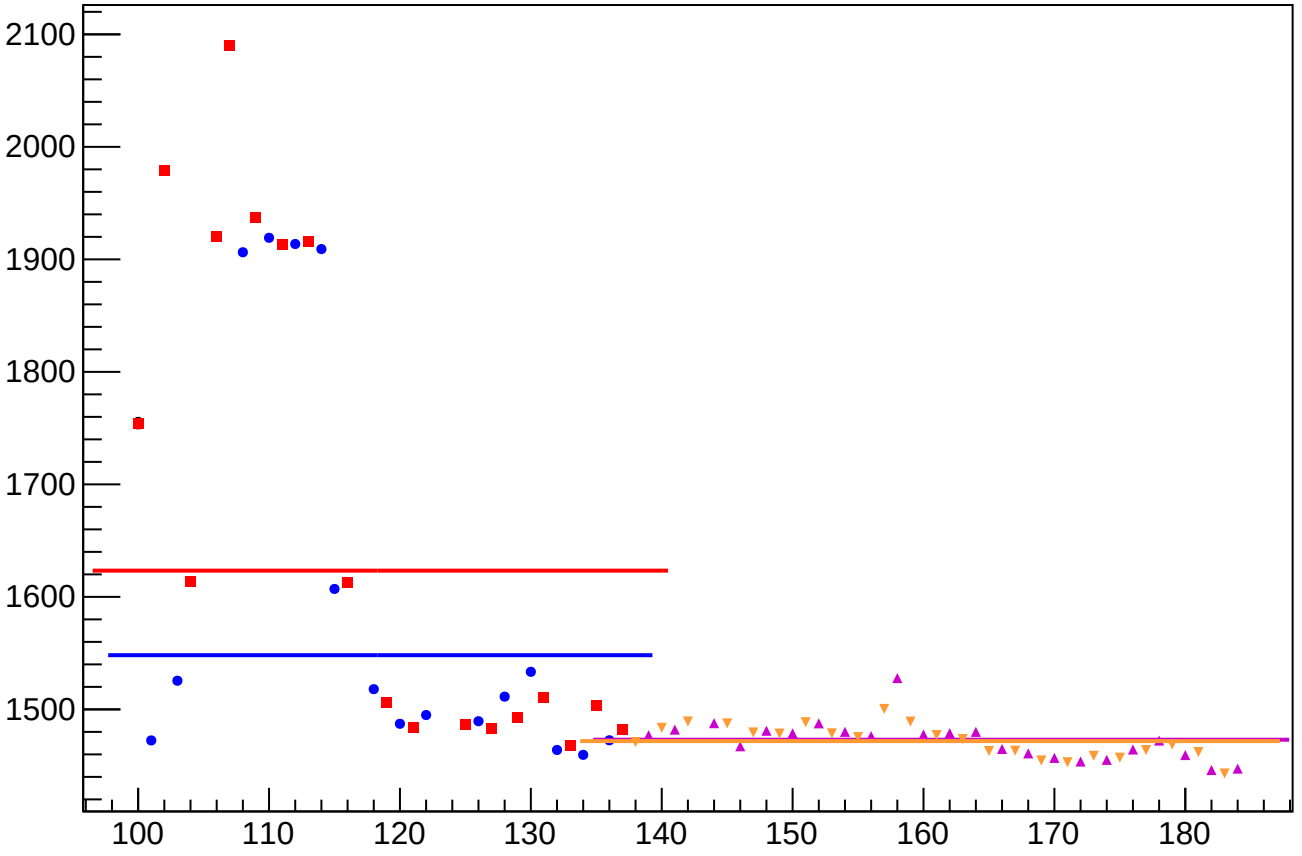
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1510.330+/-295.604 χ^2/NDF: 31.6/38

All: -120.950+/-210.210 χ^2/NDF: 134.1/79

- sign -1789.808+/-298.989 χ^2/NDF: 40.9/40

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

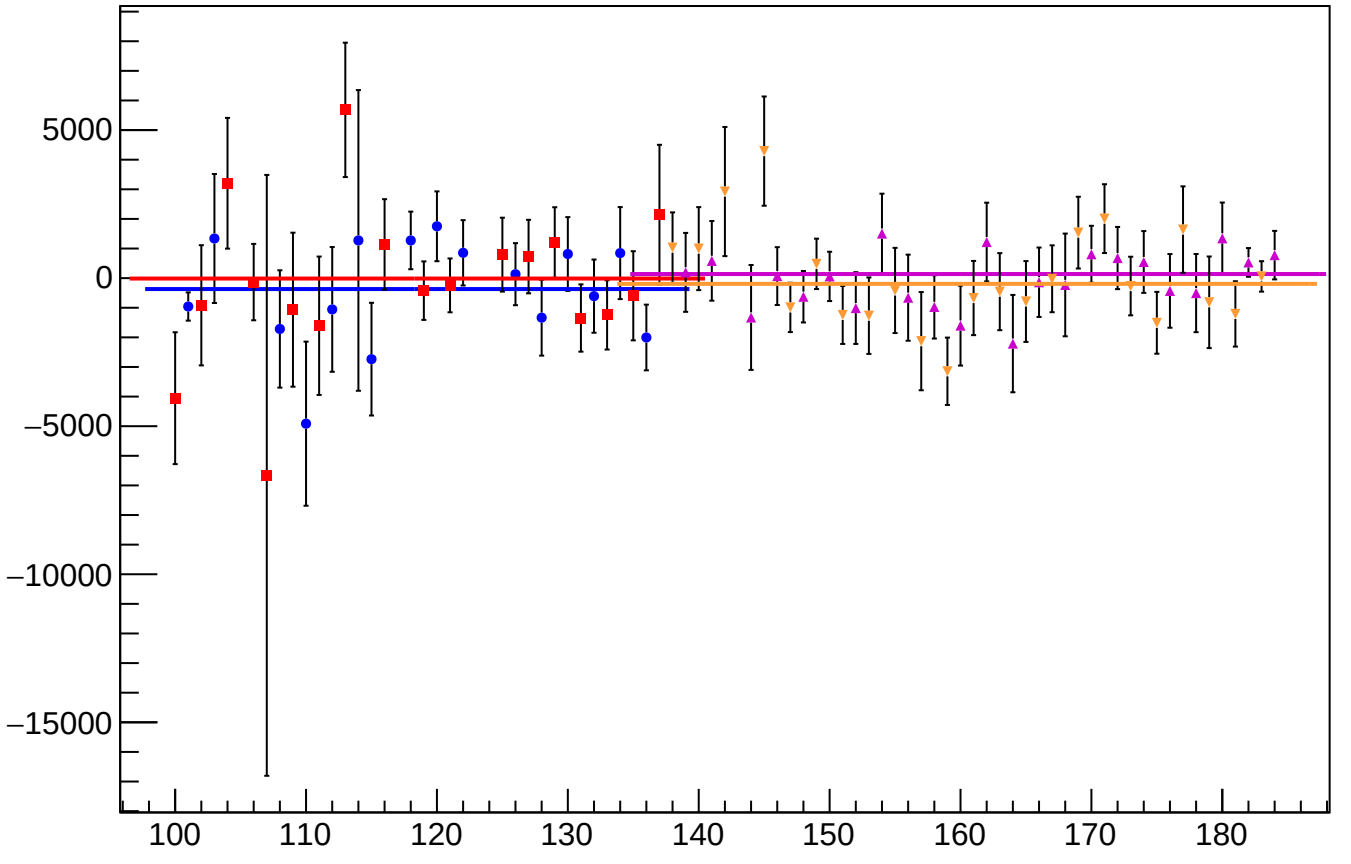
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1491.819+/-0.209 χ^2/NDF: 148958.6/38

All: 1500.693+/-0.149 χ^2/NDF: 462189.8/79

- sign 1509.772+/-0.211 χ^2/NDF: 309584.8/40



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

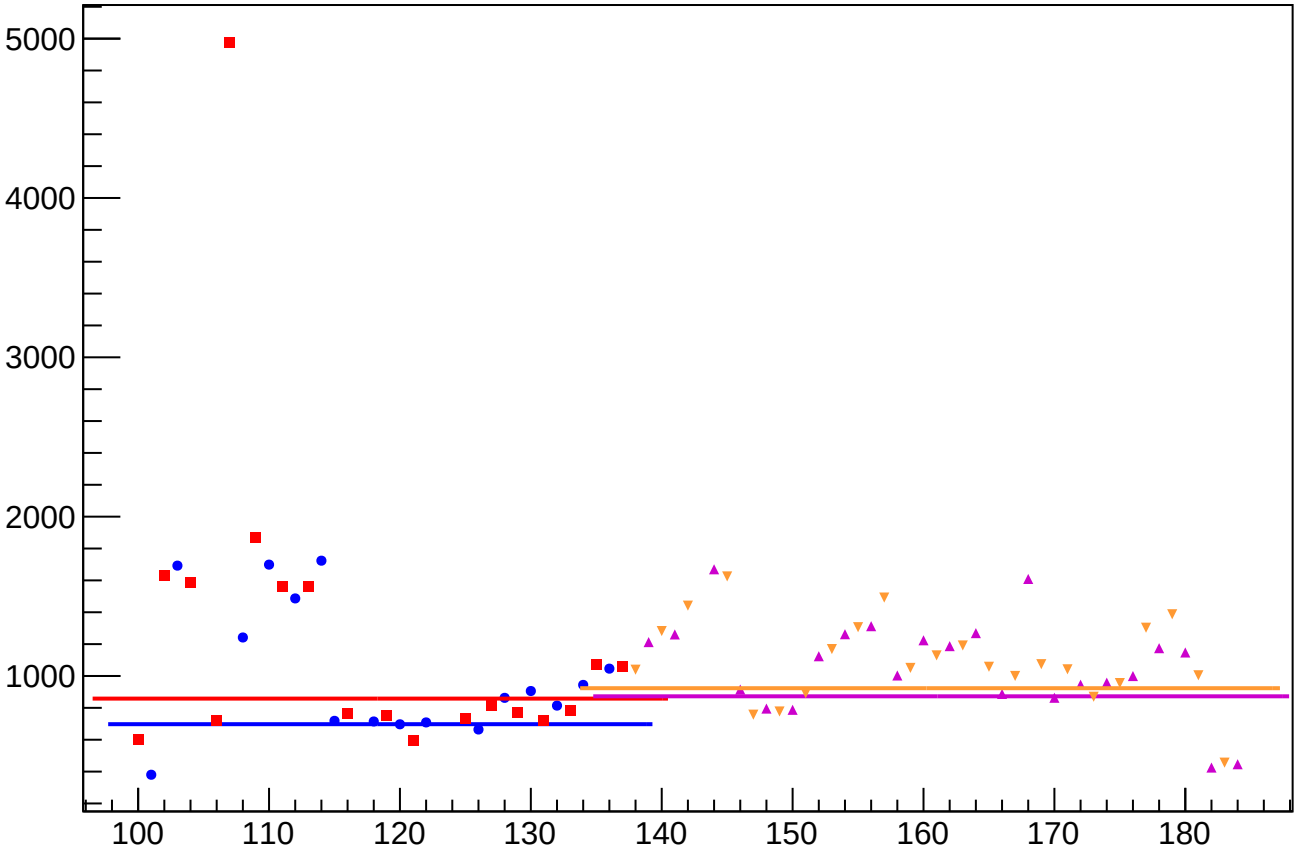
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -261.362+/-178.505 χ^2/NDF: 50.8/38

All: -88.994+/-128.137 χ^2/NDF: 84.9/79

- sign 94.246+/-184.049 χ^2/NDF: 32.2/40

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

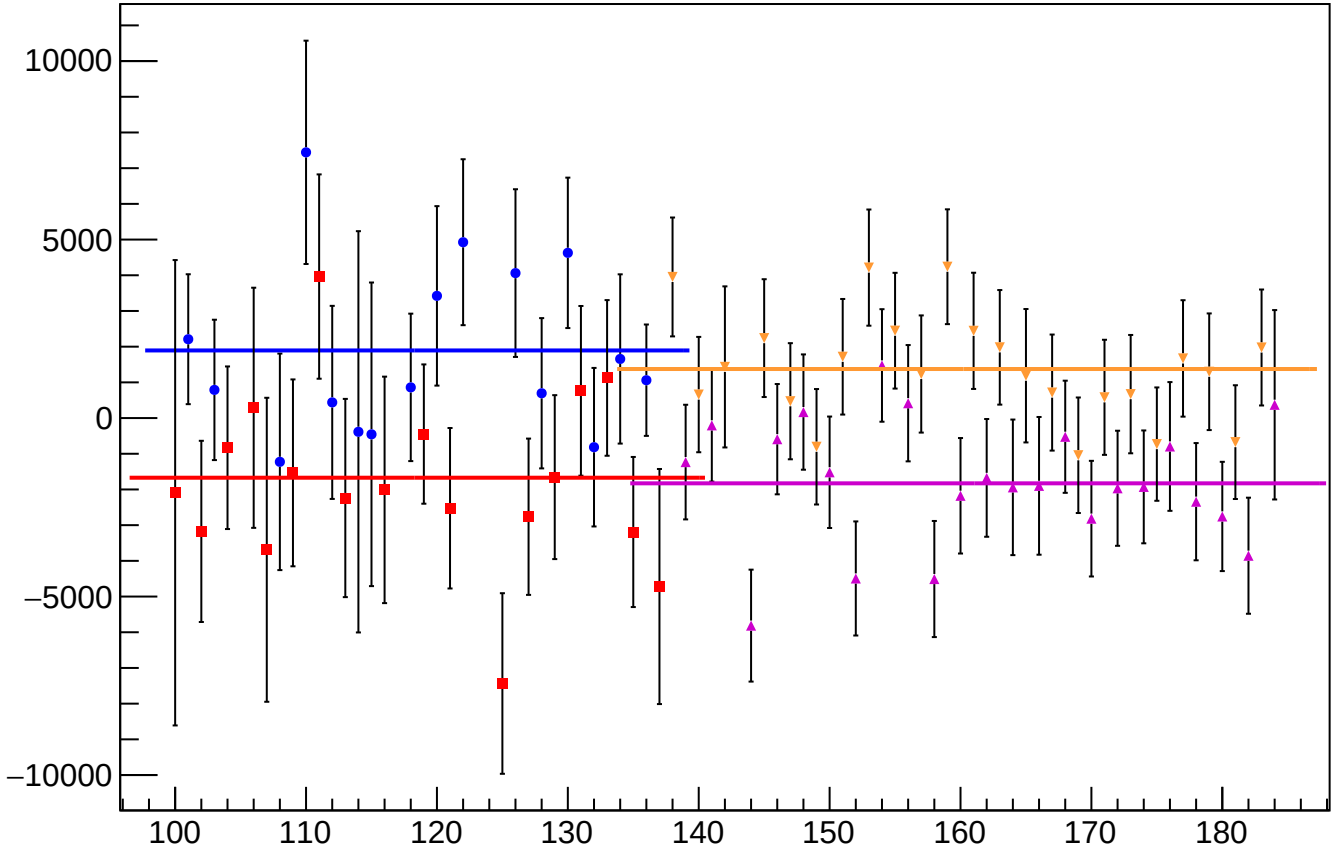
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 835.717+/-0.126 χ^2/NDF: 6570147.9/38

All: 851.509+/-0.091 χ^2/NDF: 12922638.4/79

- sign 868.298+/-0.130 χ^2/NDF: 6320195.3/40

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

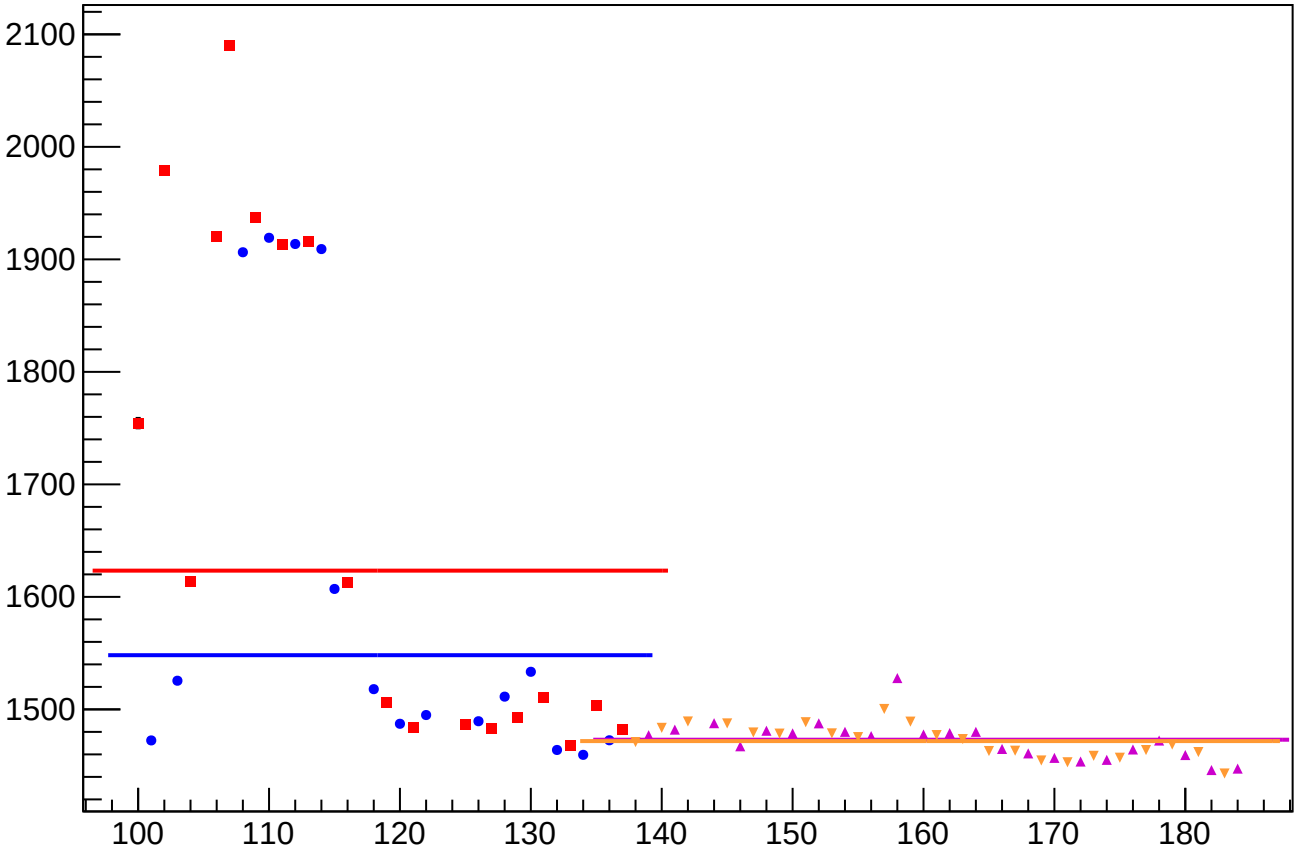
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1510.328+/-295.604 χ^2/NDF: 31.6/38

All: -120.951+/-210.210 χ^2/NDF: 134.1/79

- sign -1789.808+/-298.989 χ^2/NDF: 40.9/40

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

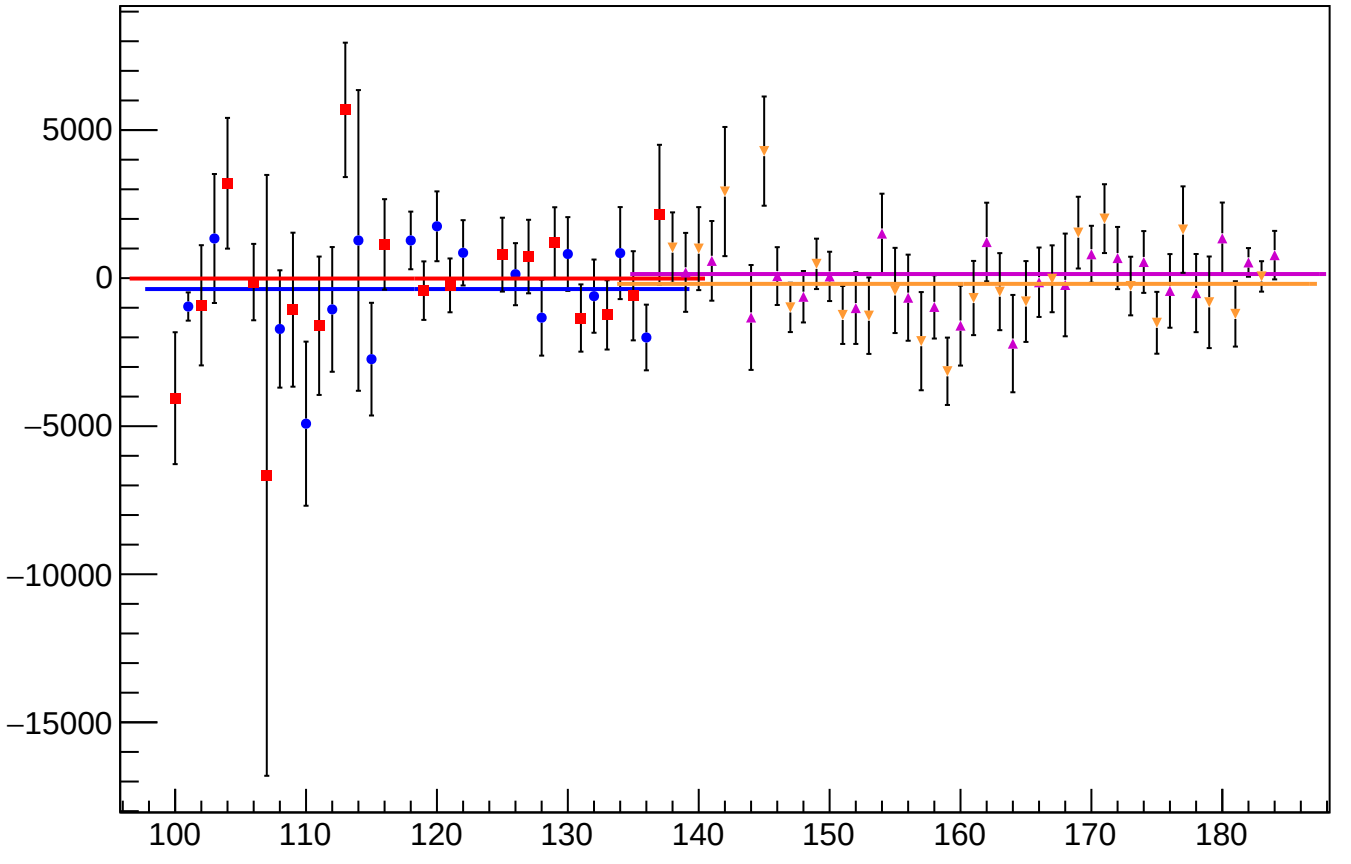
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1491.819+/-0.209 χ^2/NDF: 148958.5/38

All: 1500.693+/-0.149 χ^2/NDF: 462189.1/79

- sign 1509.772+/-0.211 χ^2/NDF: 309584.3/40



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

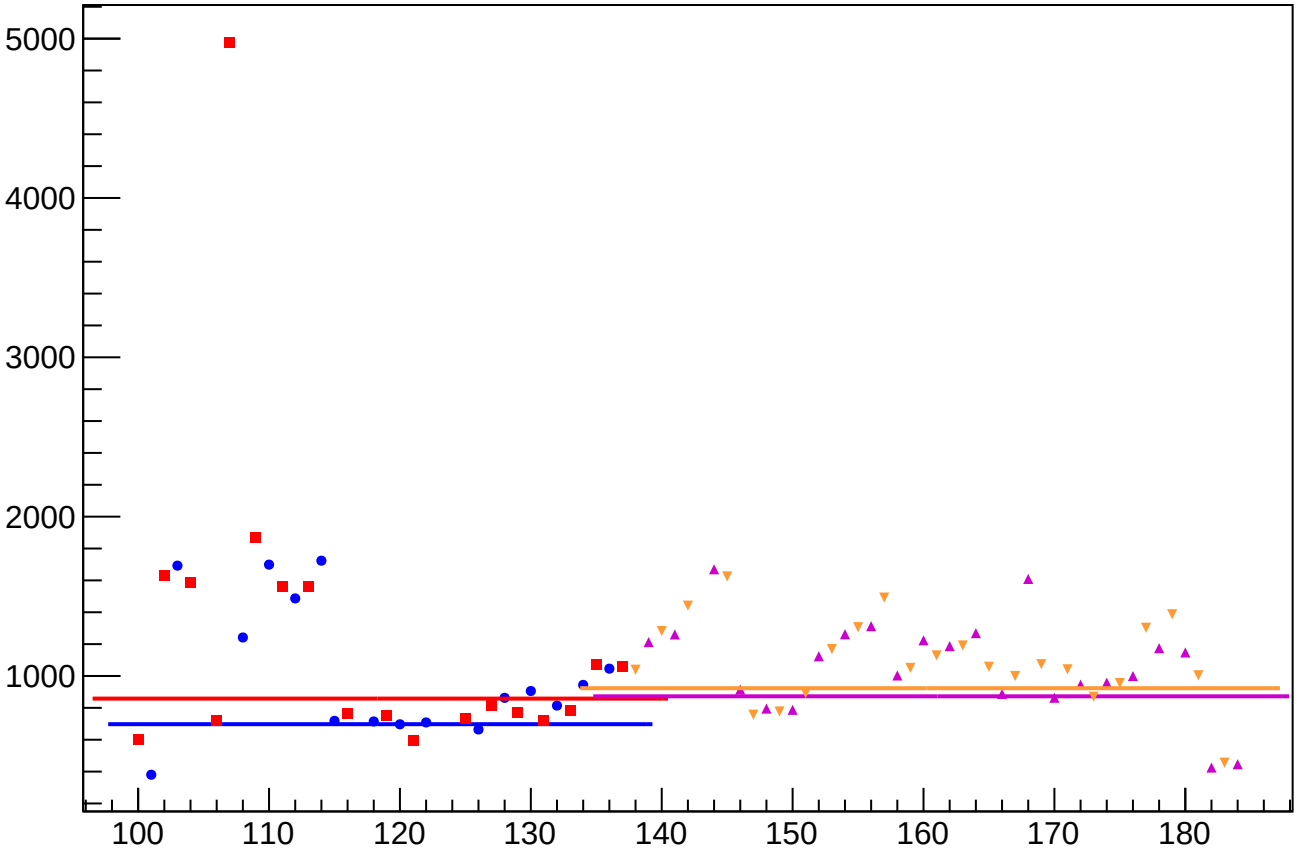
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -261.362+/-178.505 χ^2/NDF: 50.8/38

All: -88.995+/-128.137 χ^2/NDF: 84.9/79

- sign 94.246+/-184.049 χ^2/NDF: 32.2/40

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



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

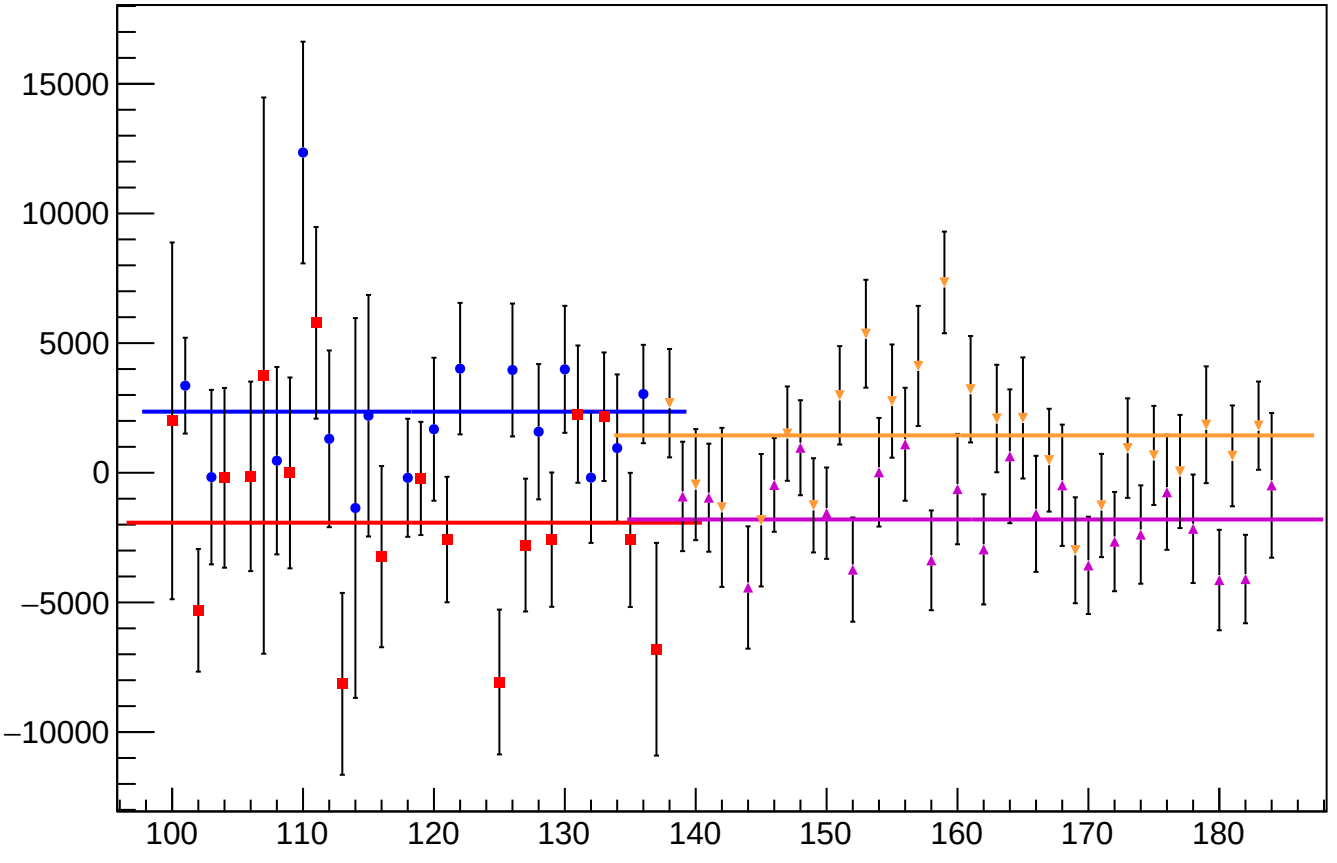
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 835.718+/-0.126 χ^2/NDF: 6570153.3/38

All: 851.510+/-0.091 χ^2/NDF: 12922661.5/79

- sign 868.298+/-0.130 χ^2/NDF: 6320213.6/40

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

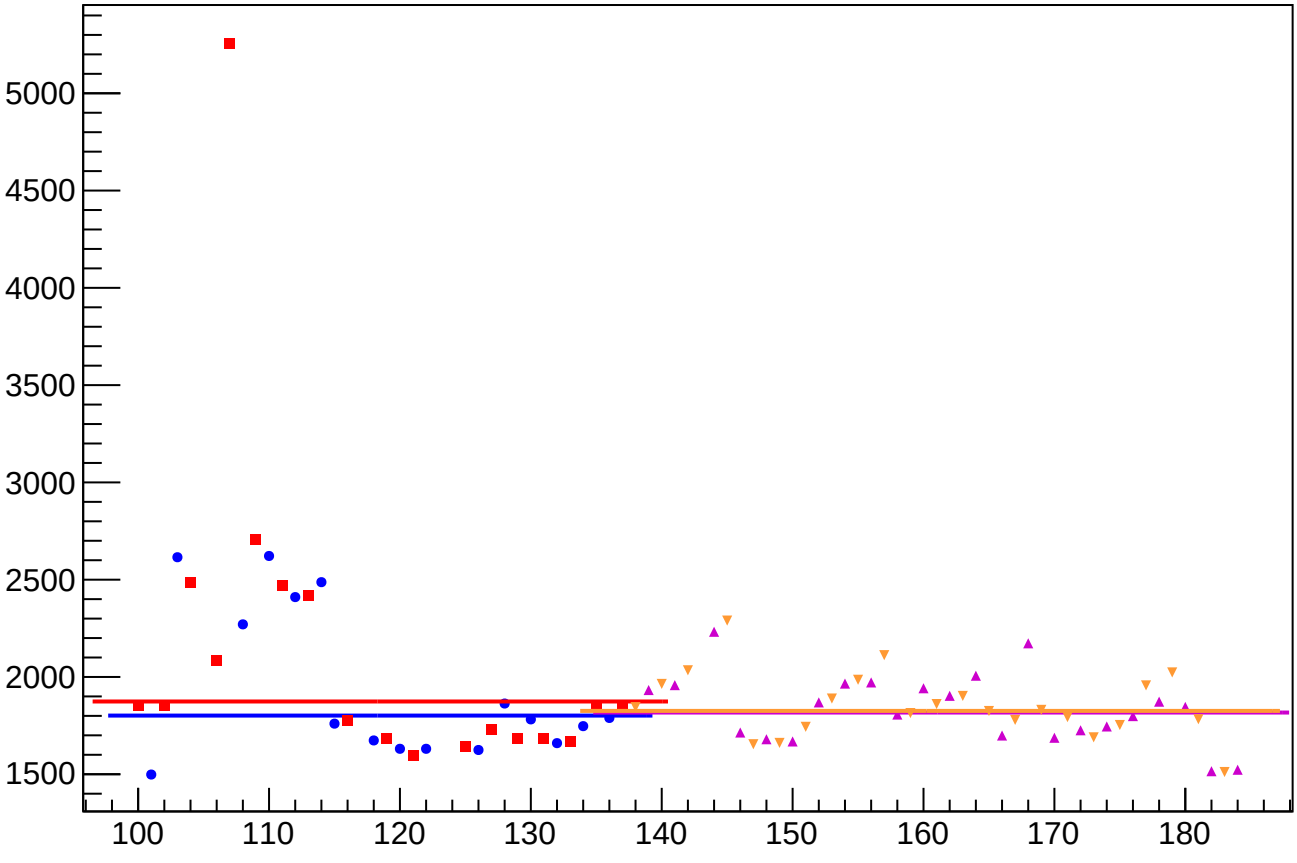
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1702.560+/-362.559 χ^2/NDF: 41.7/38

All: -53.308+/-257.282 χ^2/NDF: 127.7/79

- sign -1834.447+/-365.158 χ^2/NDF: 38.8/40

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

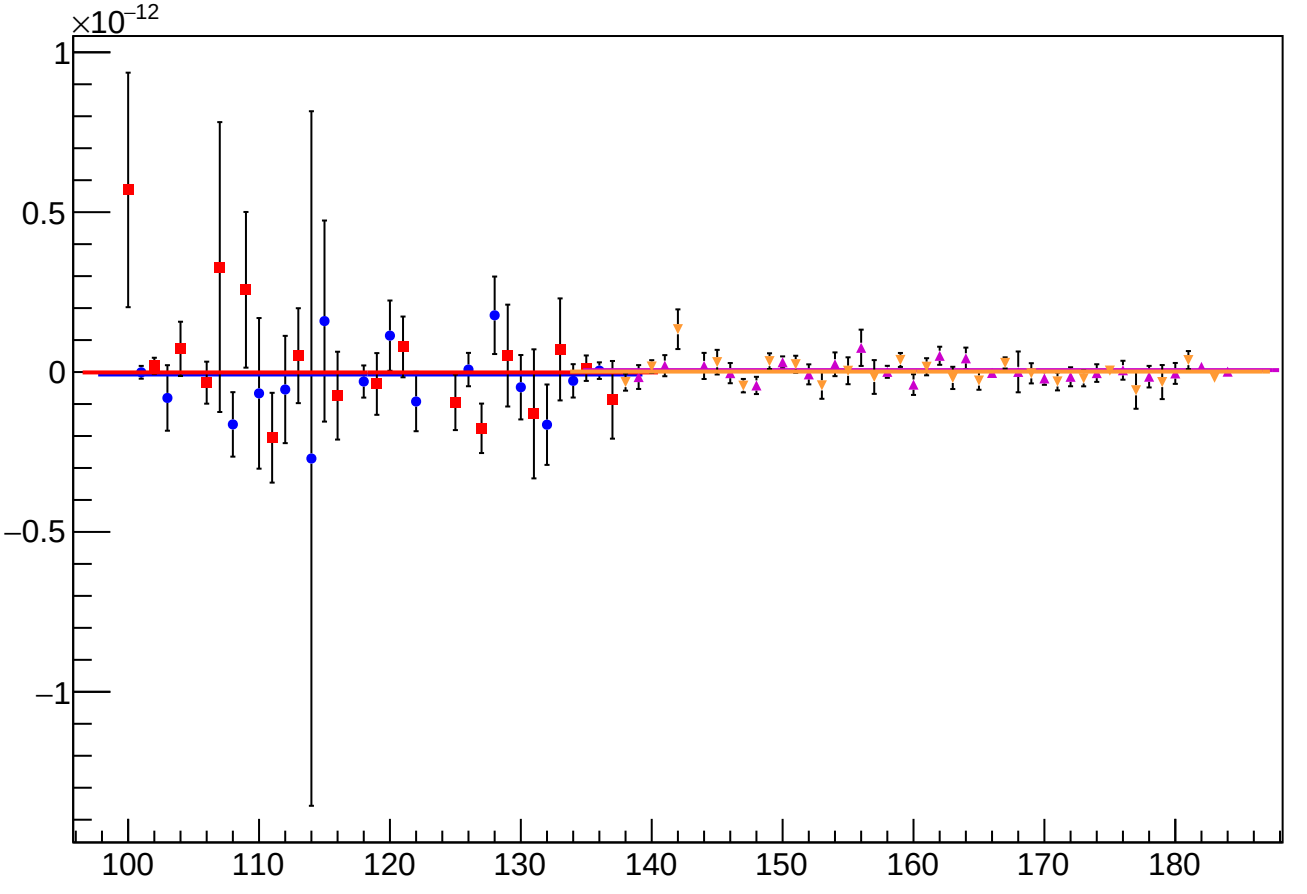
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1818.714+/-0.256 χ^2/NDF: 677135.4/38

All: 1825.464+/-0.182 χ^2/NDF: 1565024.1/79

- sign 1832.311+/-0.258 χ^2/NDF: 886492.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/22

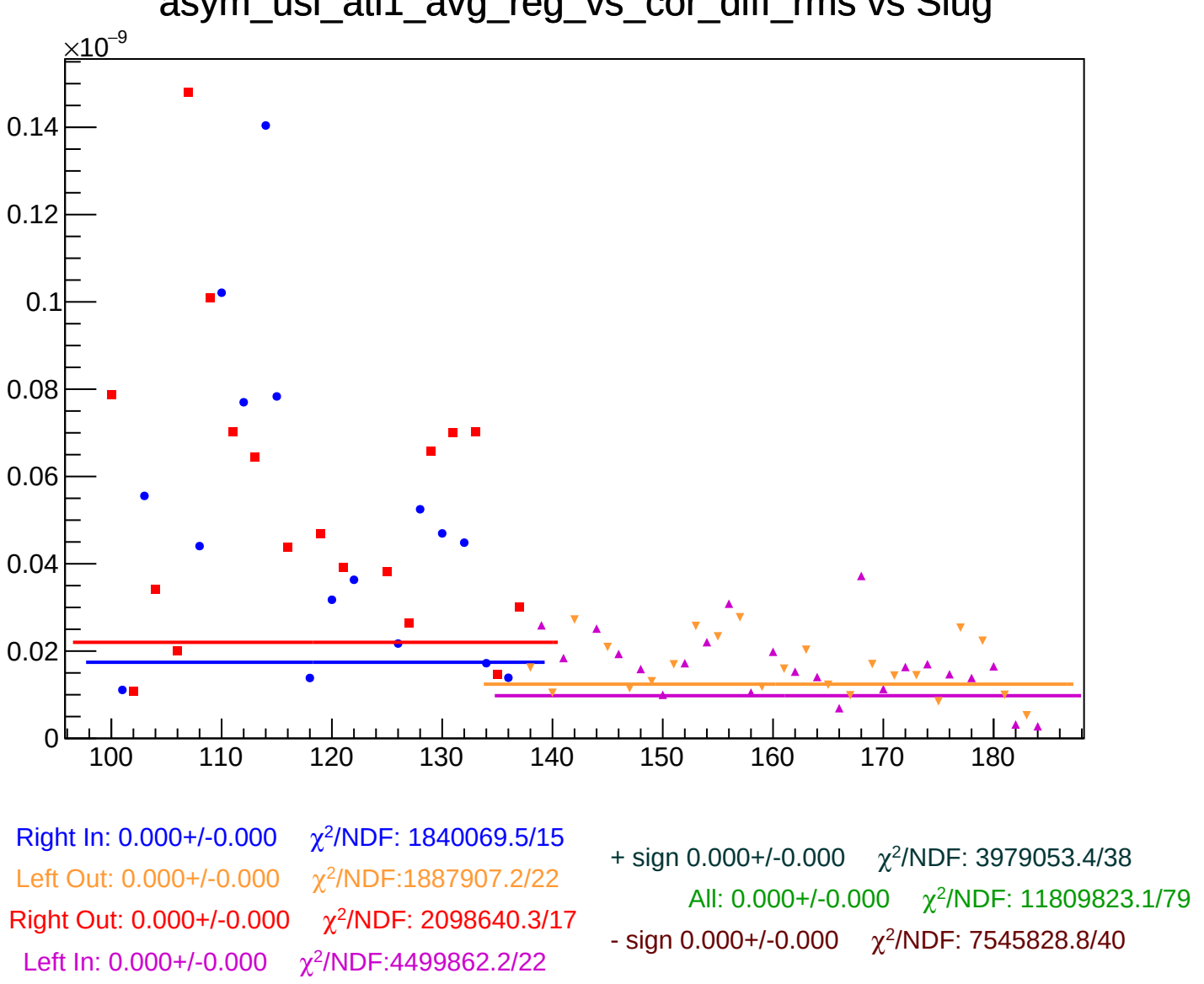
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

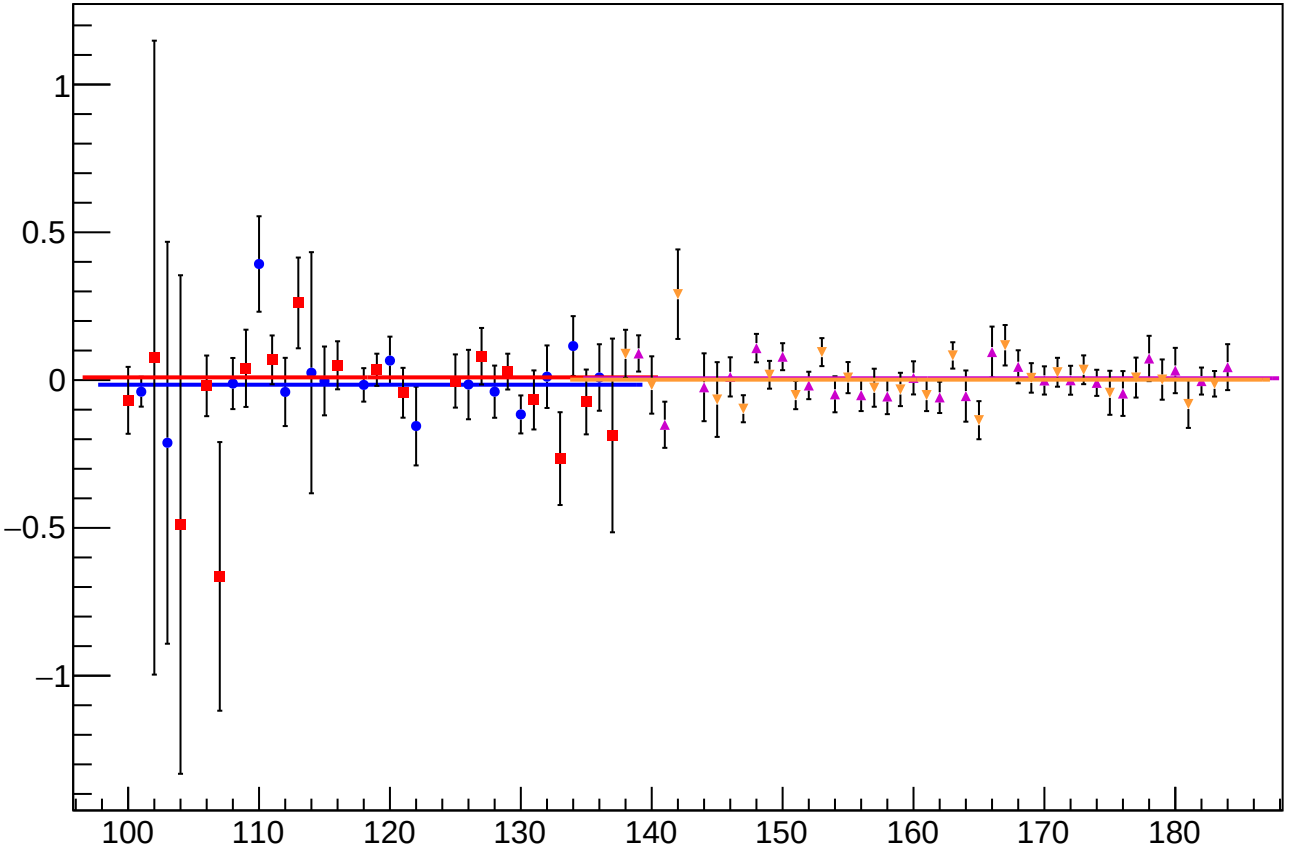
+ sign 0.000+/-0.000 χ^2/NDF: 39.5/38

All: 0.000+/-0.000 χ^2/NDF: 74.9/79

- sign 0.000+/-0.000 χ^2/NDF: 34.8/40


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:4499862.2/22
+ sign 0.000+/-0.000 χ²/NDF: 3979053.4/38
All: 0.000+/-0.000 χ²/NDF: 11809823.1/79
- sign 0.000+/-0.000 χ²/NDF: 7545828.8/40

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

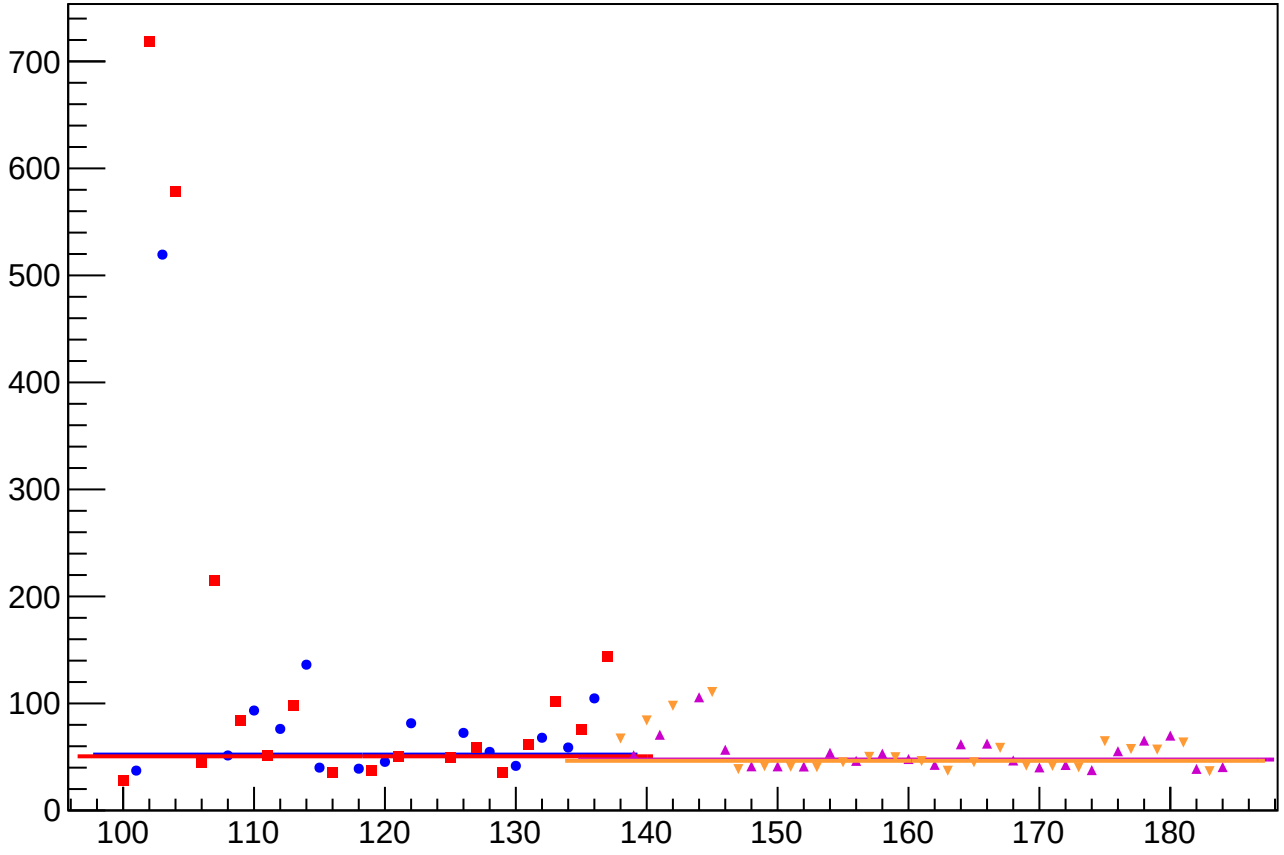
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.011 χ^2/NDF: 43.1/38

All: 0.002+/-0.008 χ^2/NDF: 77.6/79

- sign 0.007+/-0.011 χ^2/NDF: 34.1/40

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

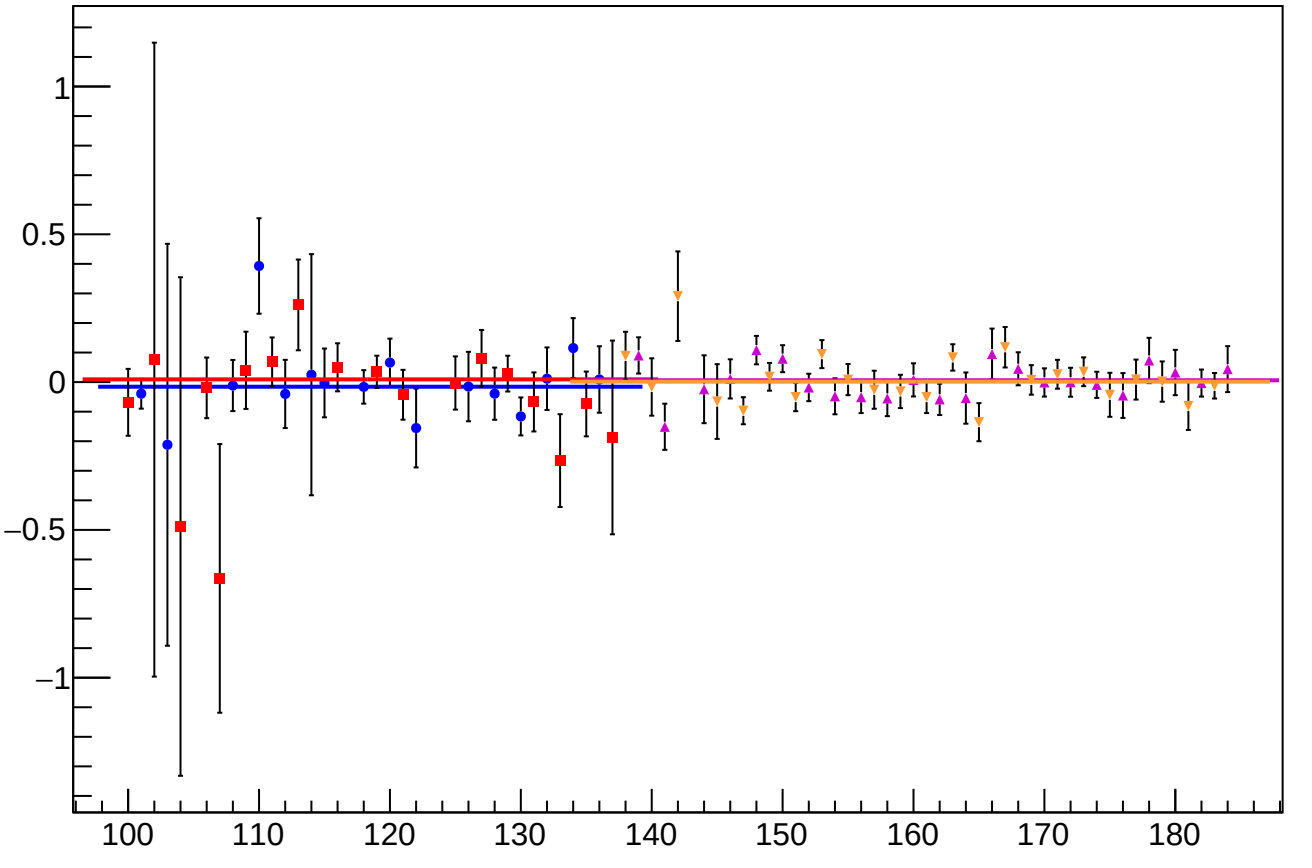
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.684+/-0.008 χ^2/NDF: 4333071.4/38

All: 47.940+/-0.005 χ^2/NDF: 8988691.1/79

- sign 48.204+/-0.008 χ^2/NDF: 4653263.8/40



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

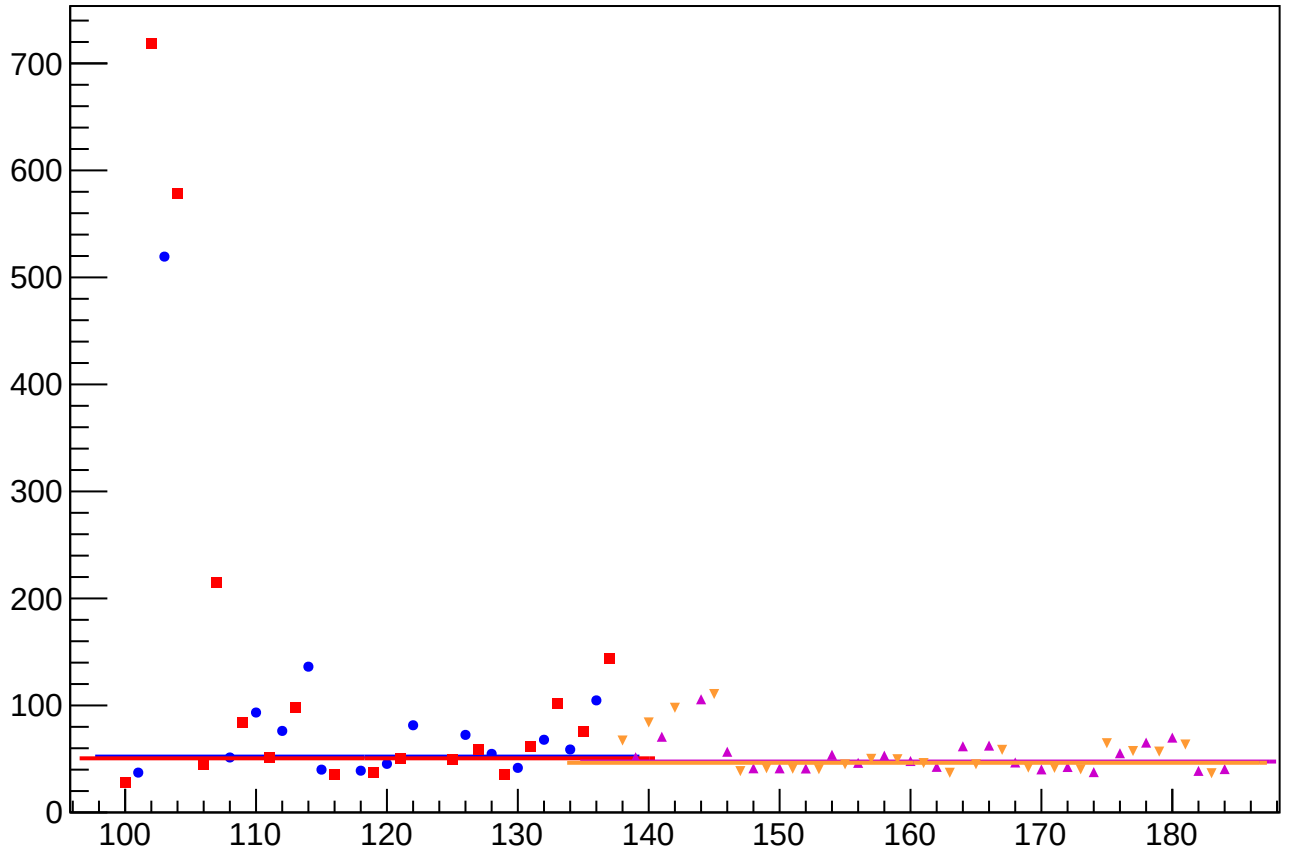
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.002+/-0.011 χ^2/NDF: 43.1/38

All: 0.002+/-0.008 χ^2/NDF: 77.6/79

\- sign 0.007+/-0.011 χ^2/NDF: 34.1/40



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.417+/-0.008 χ^2/NDF:1964662.8/22

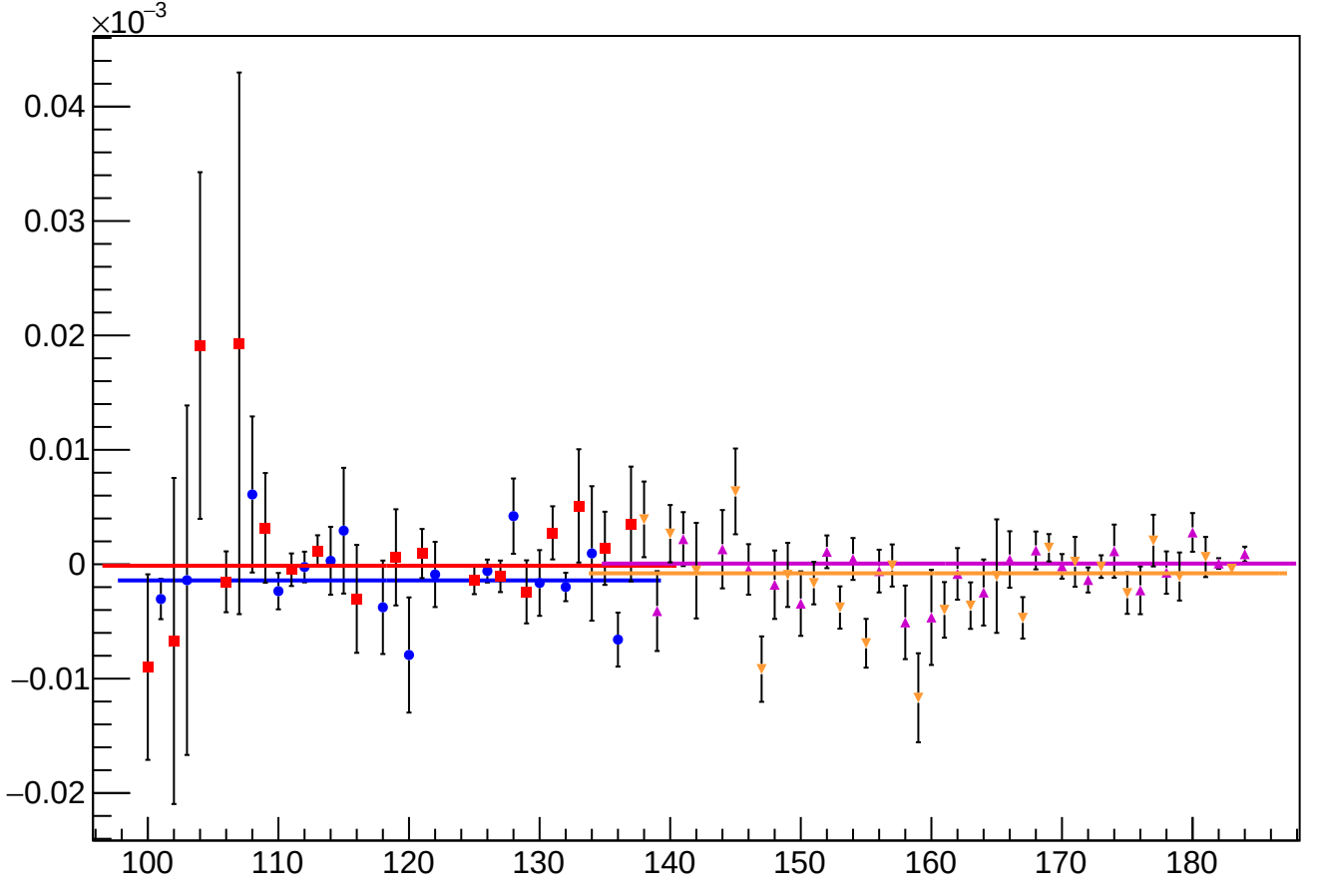
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.684+/-0.008 χ^2/NDF: 4333071.4/38

All: 47.940+/-0.005 χ^2/NDF: 8988691.1/79

- sign 48.204+/-0.008 χ^2/NDF: 4653263.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:51.6/22

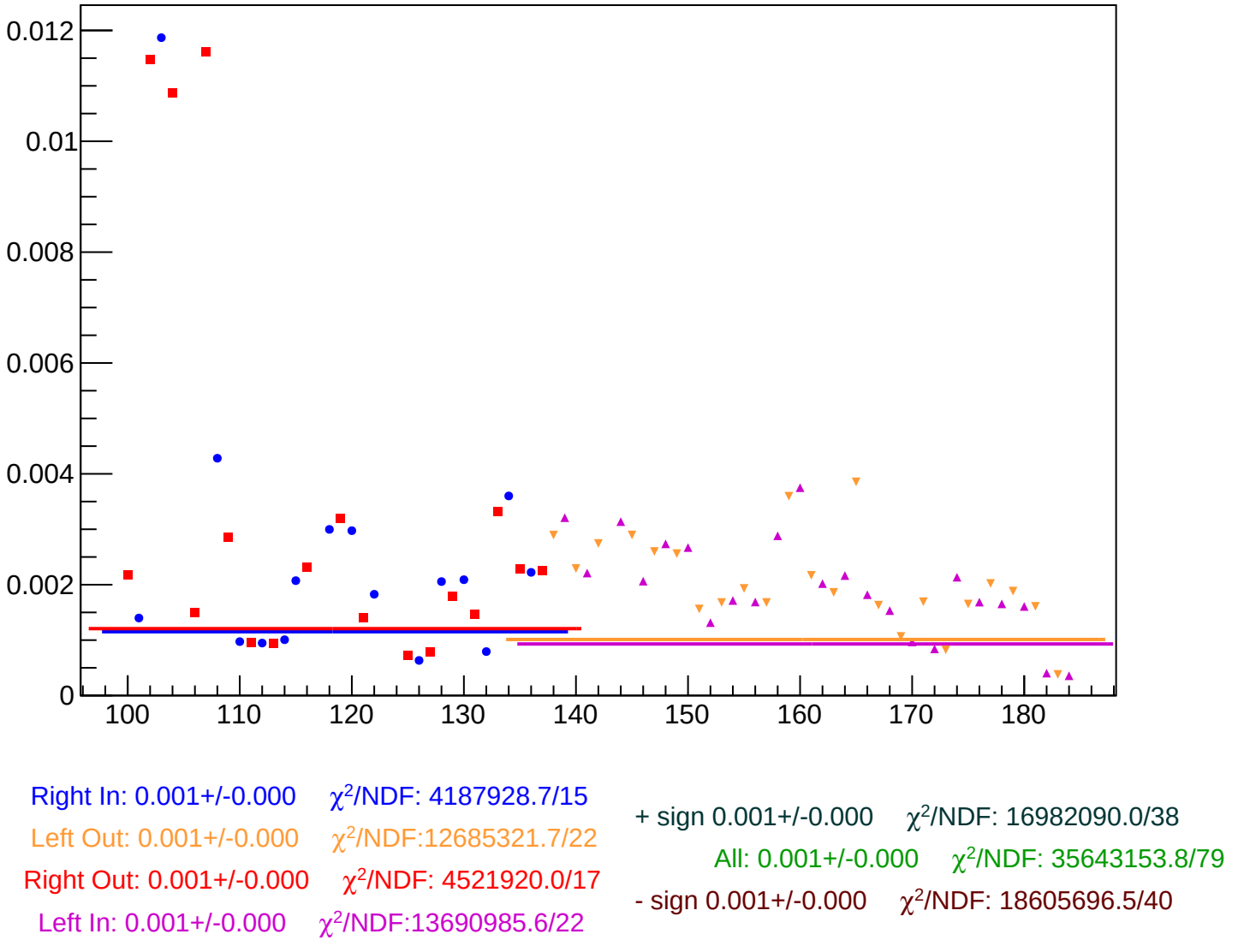
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

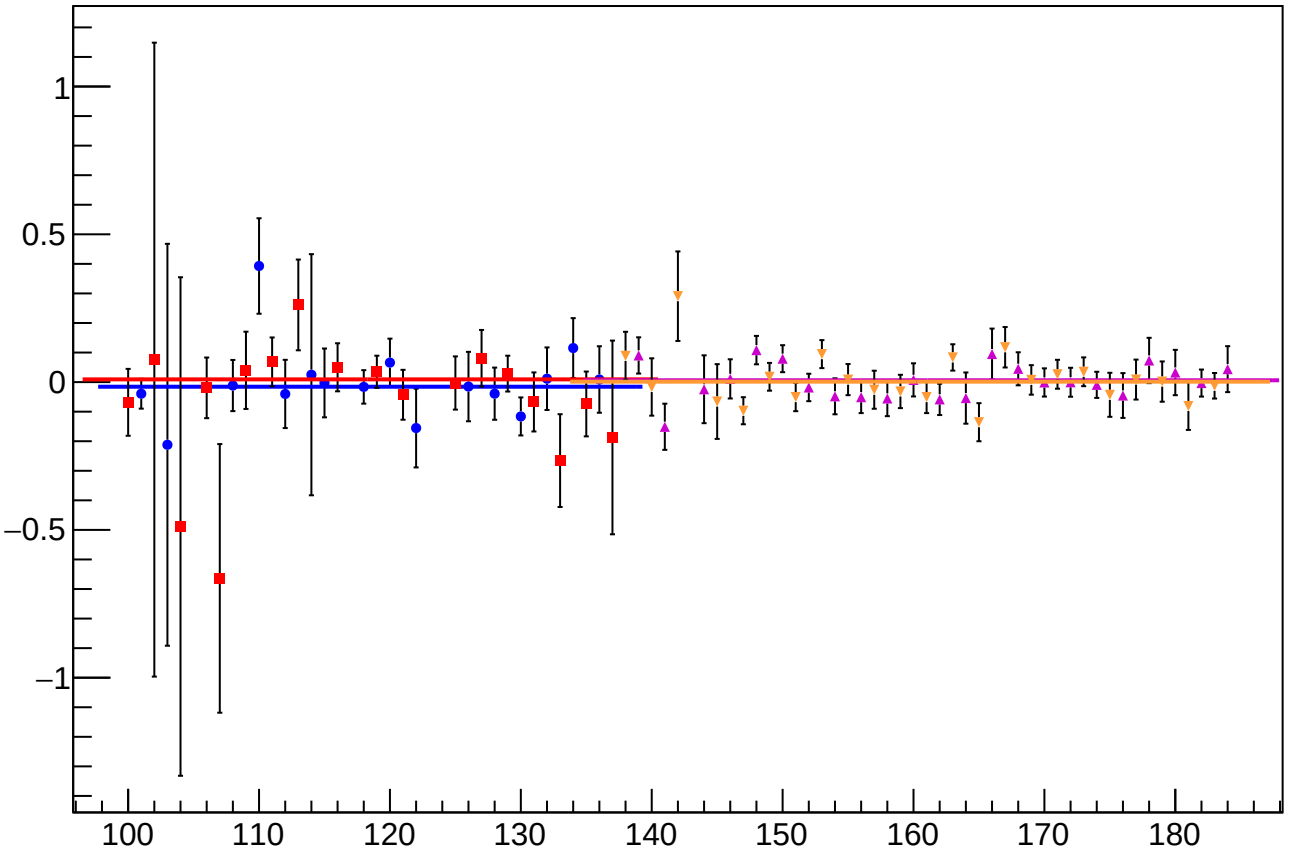
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.6/38

All: -0.000+/-0.000 χ^2/NDF: 104.4/79

- sign 0.000+/-0.000 χ^2/NDF: 29.6/40


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.001+/-0.000 χ²/NDF:12685321.7/22
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.001+/-0.000 χ²/NDF:13690985.6/22
+ sign 0.001+/-0.000 χ²/NDF: 16982090.0/38
All: 0.001+/-0.000 χ²/NDF: 35643153.8/79
- sign 0.001+/-0.000 χ²/NDF: 18605696.5/40



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

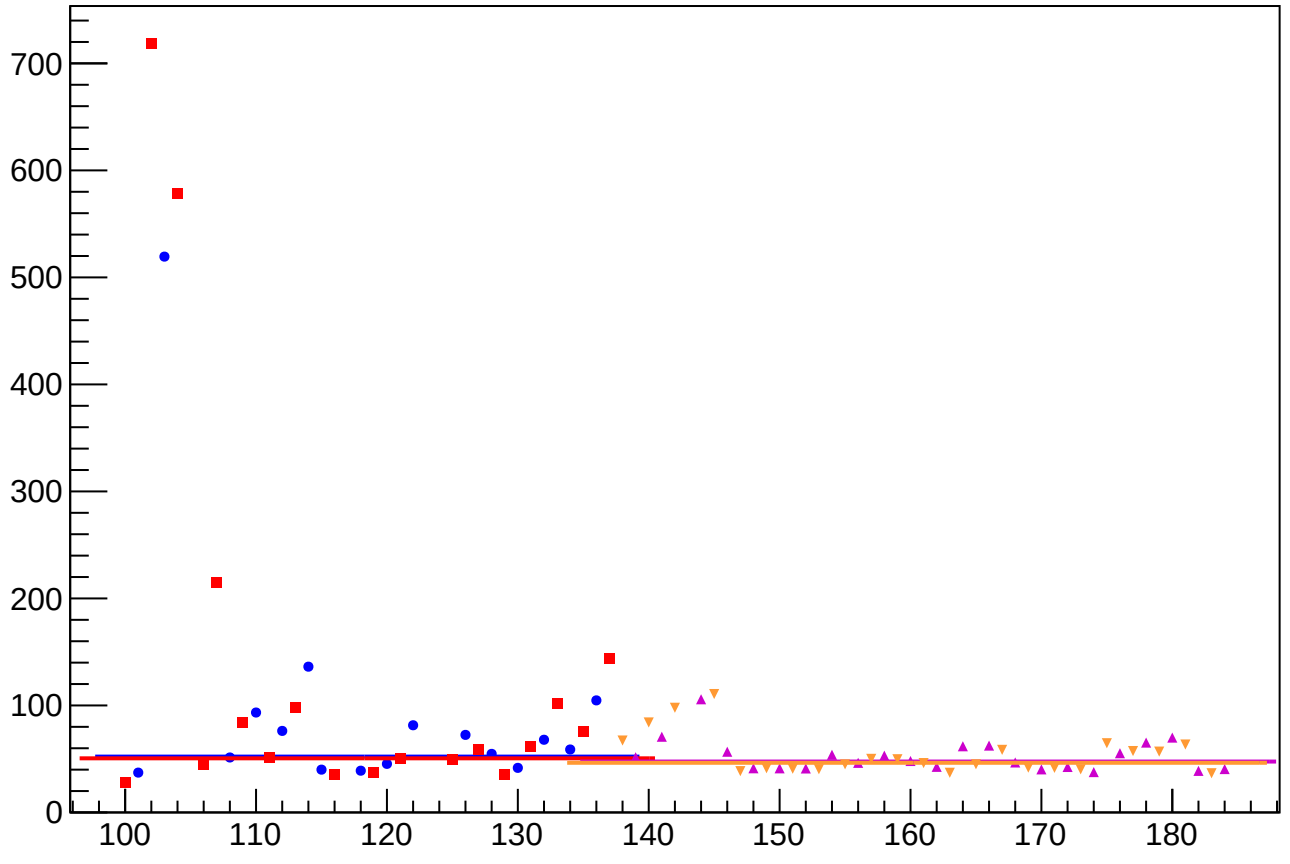
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.002+/-0.011 χ^2/NDF: 43.1/38

All: 0.002+/-0.008 χ^2/NDF: 77.6/79

\- sign 0.007+/-0.011 χ^2/NDF: 34.1/40



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.418+/-0.008 χ^2/NDF:1964650.5/22

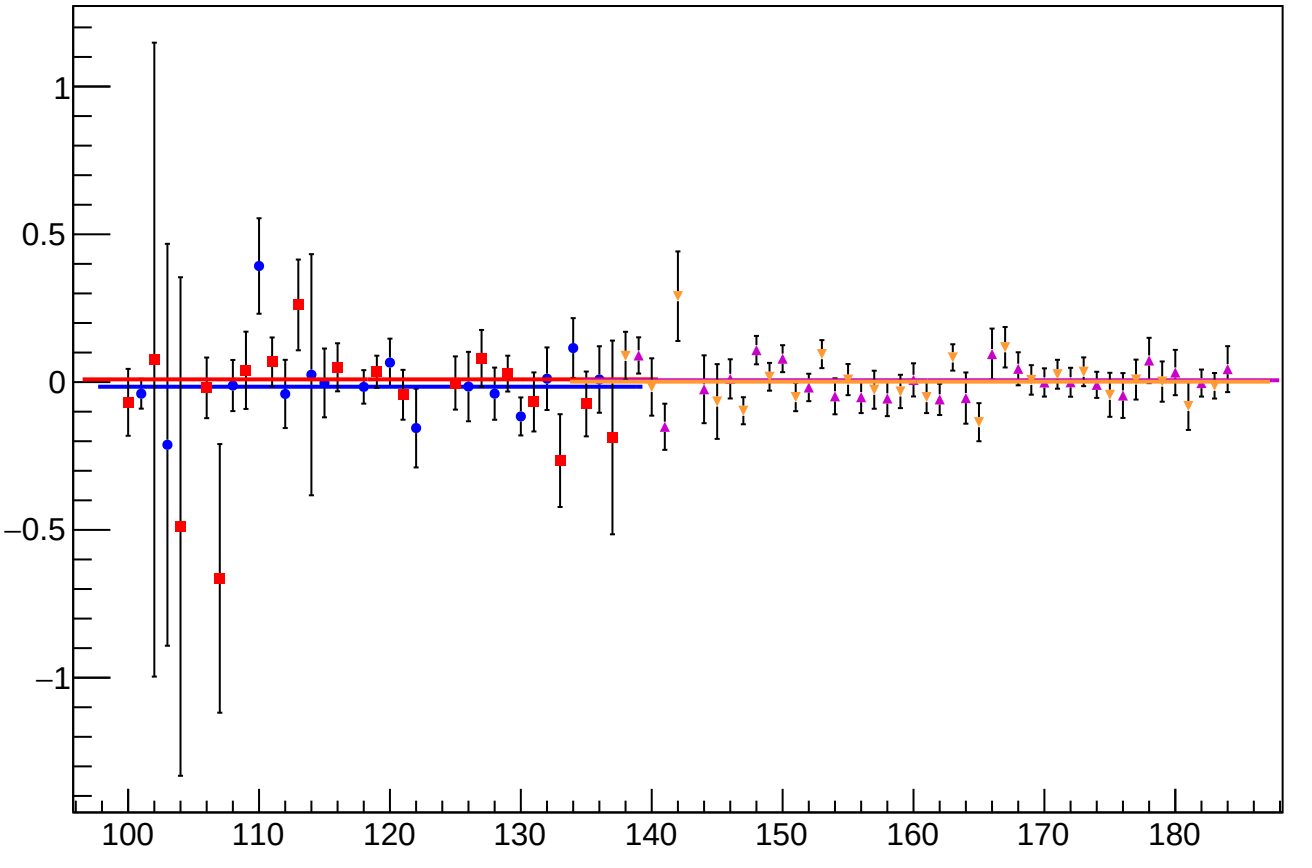
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.685+/-0.008 χ^2/NDF: 4333042.3/38

All: 47.940+/-0.005 χ^2/NDF: 8988648.4/79

- sign 48.204+/-0.008 χ^2/NDF: 4653251.1/40



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/22

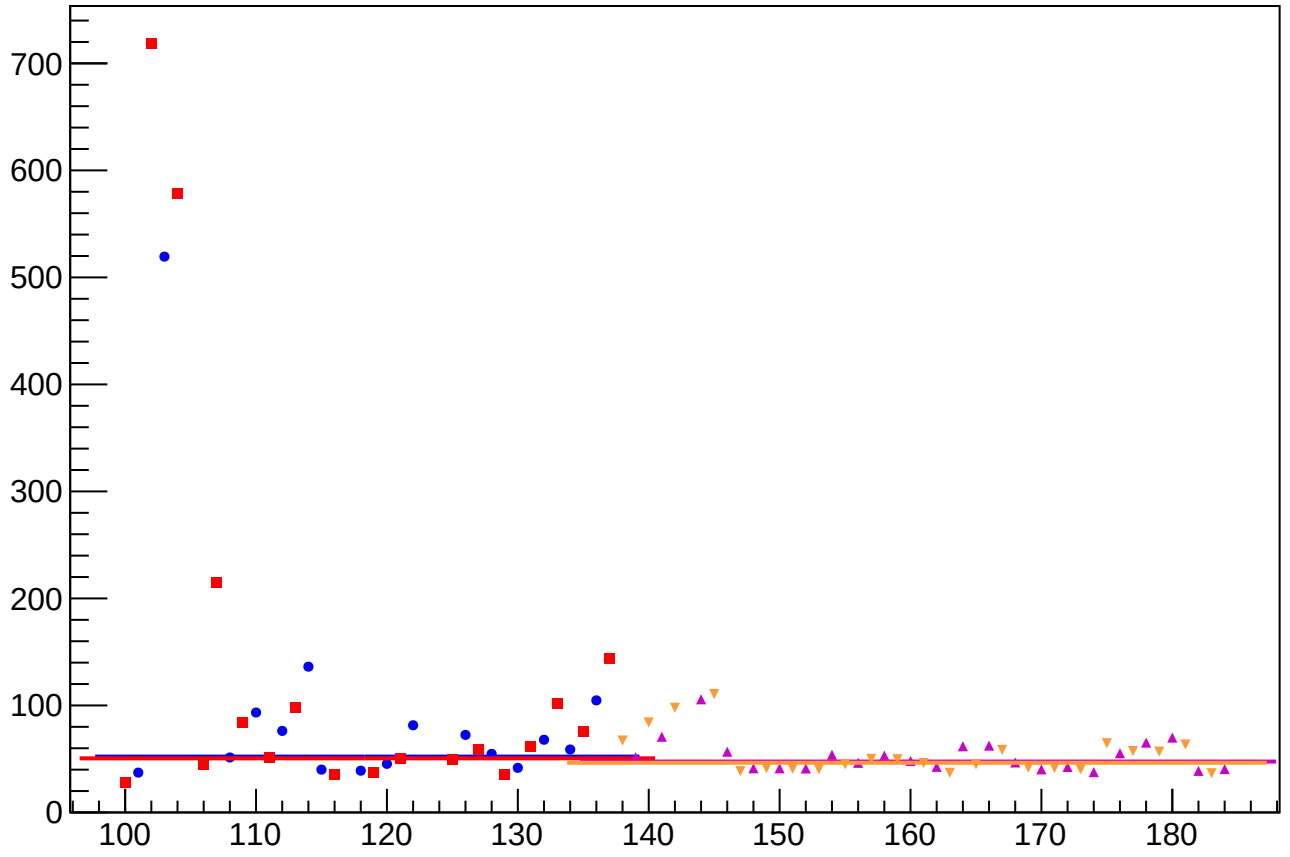
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.011 χ^2/NDF: 43.1/38

All: 0.002+/-0.008 χ^2/NDF: 77.6/79

- sign 0.007+/-0.011 χ^2/NDF: 34.1/40



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.418+/-0.008 χ^2/NDF:1964650.5/22

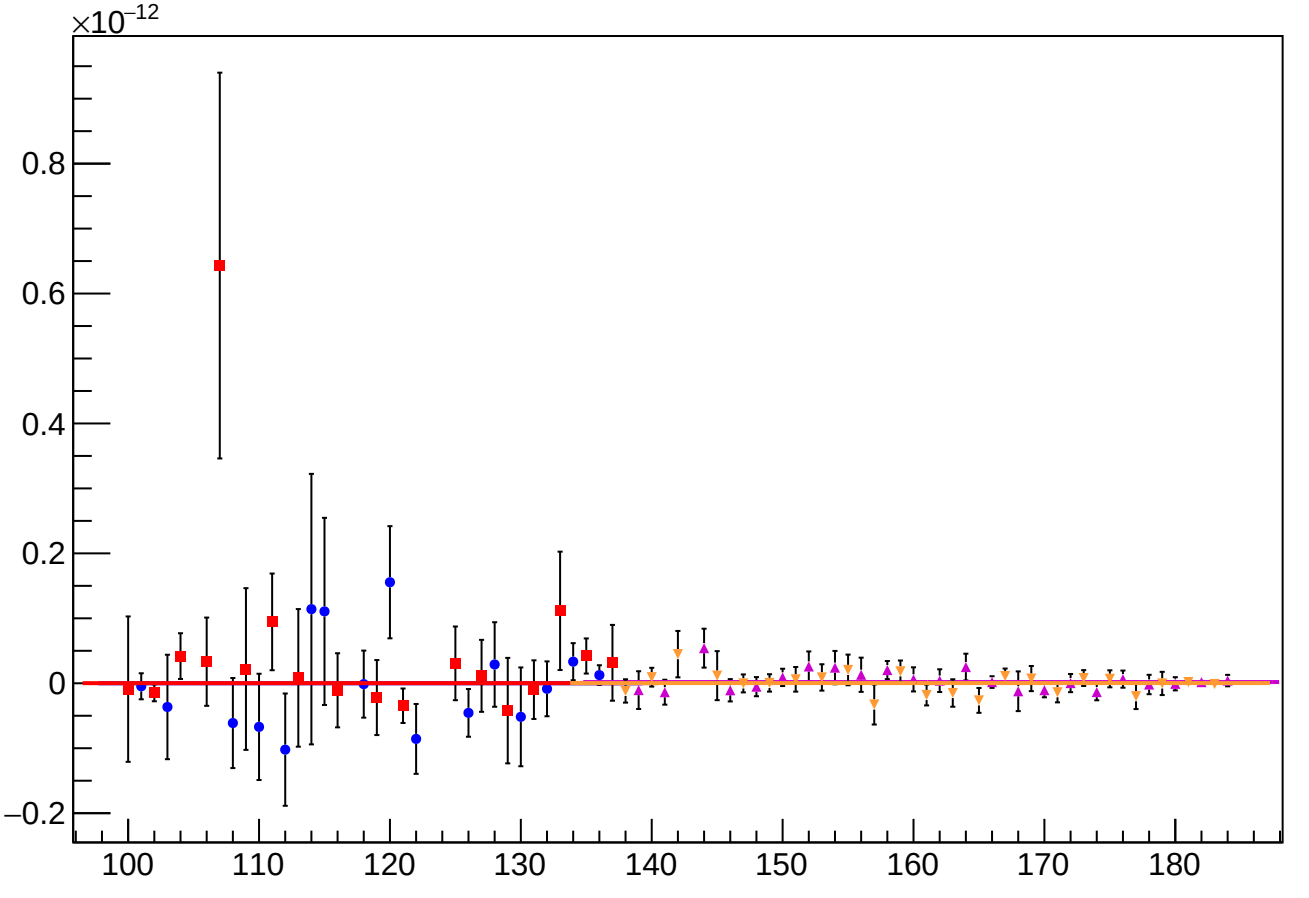
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.685+/-0.008 χ^2/NDF: 4333042.3/38

All: 47.940+/-0.005 χ^2/NDF: 8988648.4/79

- sign 48.204+/-0.008 χ^2/NDF: 4653251.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/22

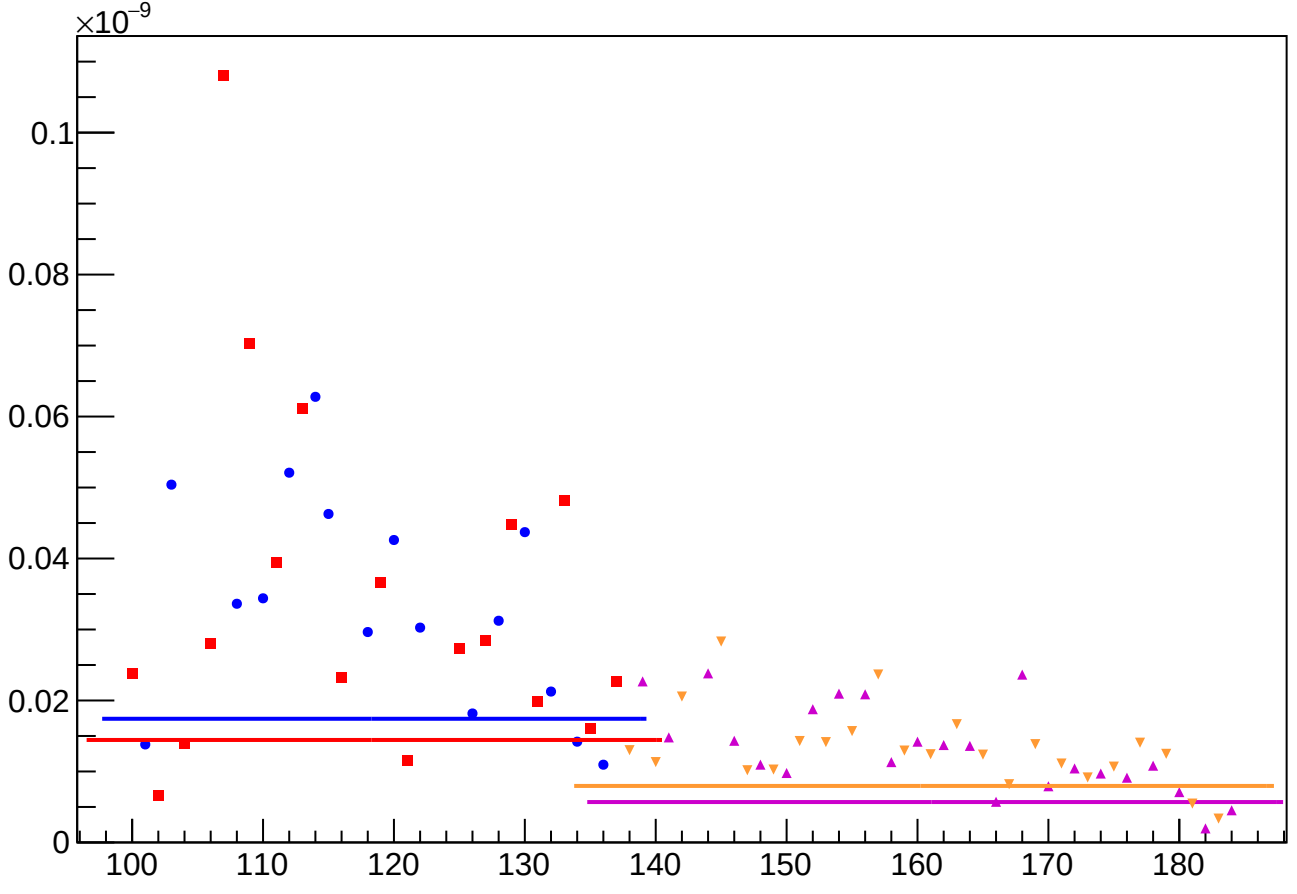
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/38

All: 0.000+/-0.000 χ^2/NDF: 57.0/79

- sign 0.000+/-0.000 χ^2/NDF: 29.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6324913.9/22

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

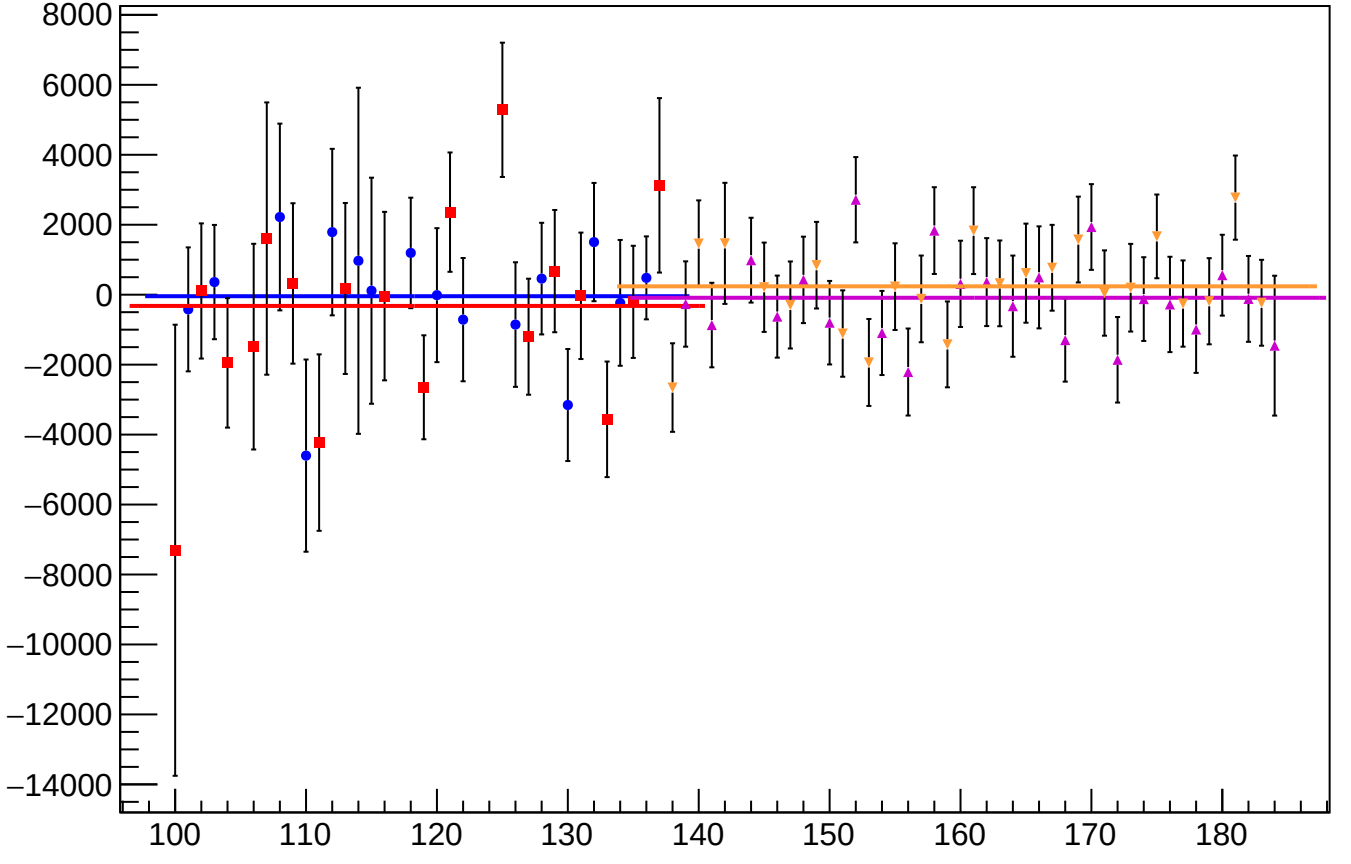
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10432359.7/38

All: 0.000+/-0.000 χ^2/NDF: 27861048.4/79

- sign 0.000+/-0.000 χ^2/NDF: 16267620.7/40

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

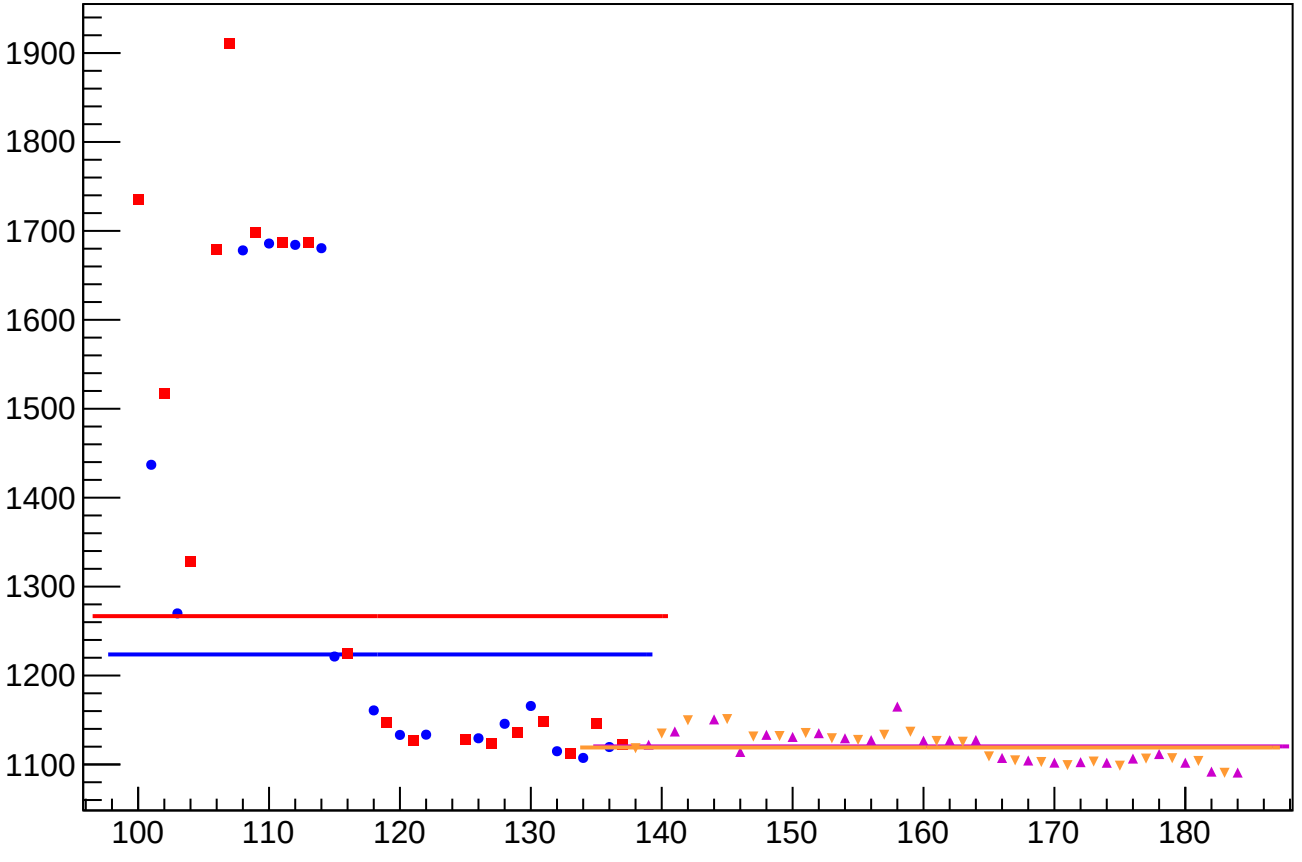
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 169.750+/-227.295 χ^2/NDF: 33.1/38

All: 14.844+/-161.371 χ^2/NDF: 79.9/79

- sign -142.589+/-229.141 χ^2/NDF: 45.8/40

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

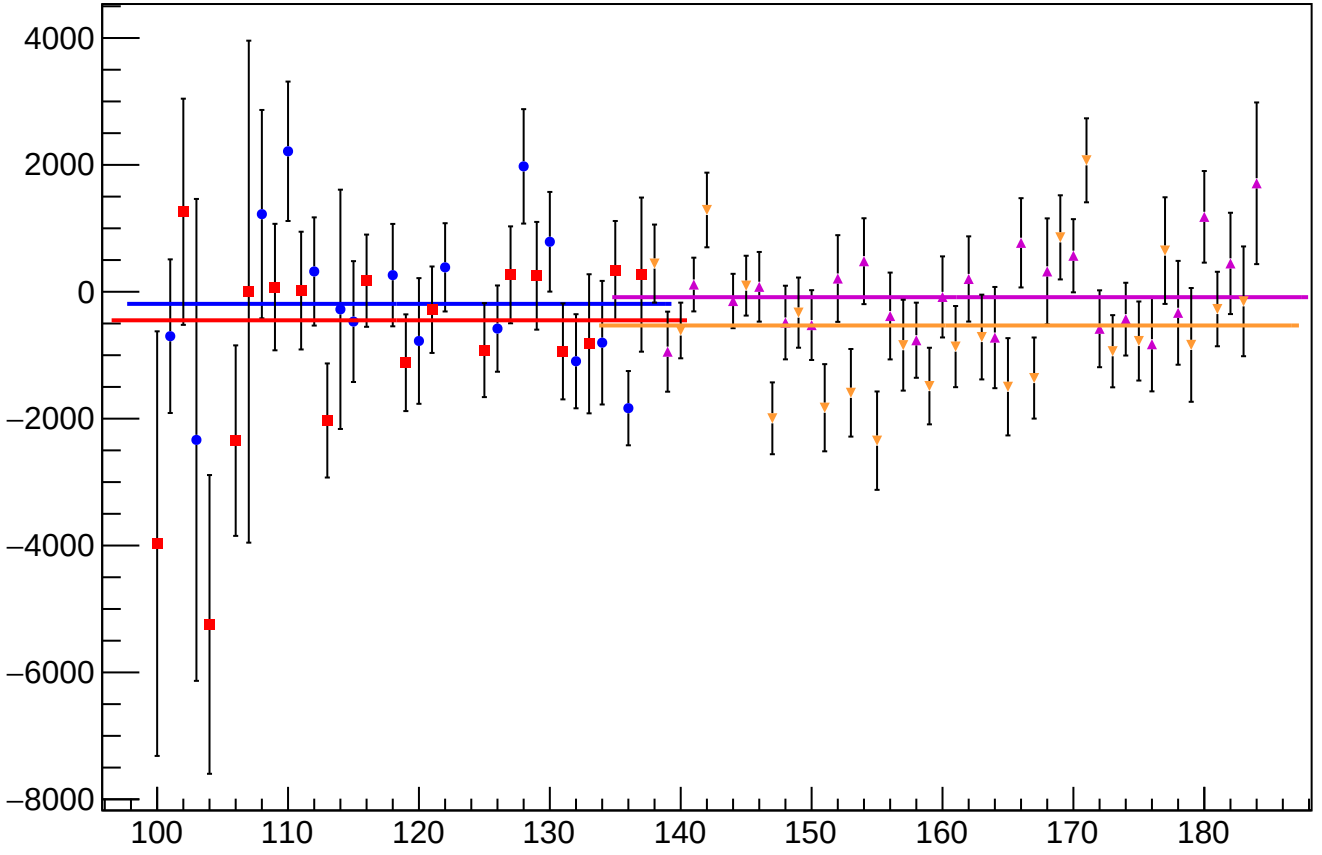
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.714+/-0.161 χ^2/NDF: 381303.0/38

All: 1149.519+/-0.114 χ^2/NDF: 971373.6/79

- sign 1154.403+/-0.162 χ^2/NDF: 588268.1/40

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

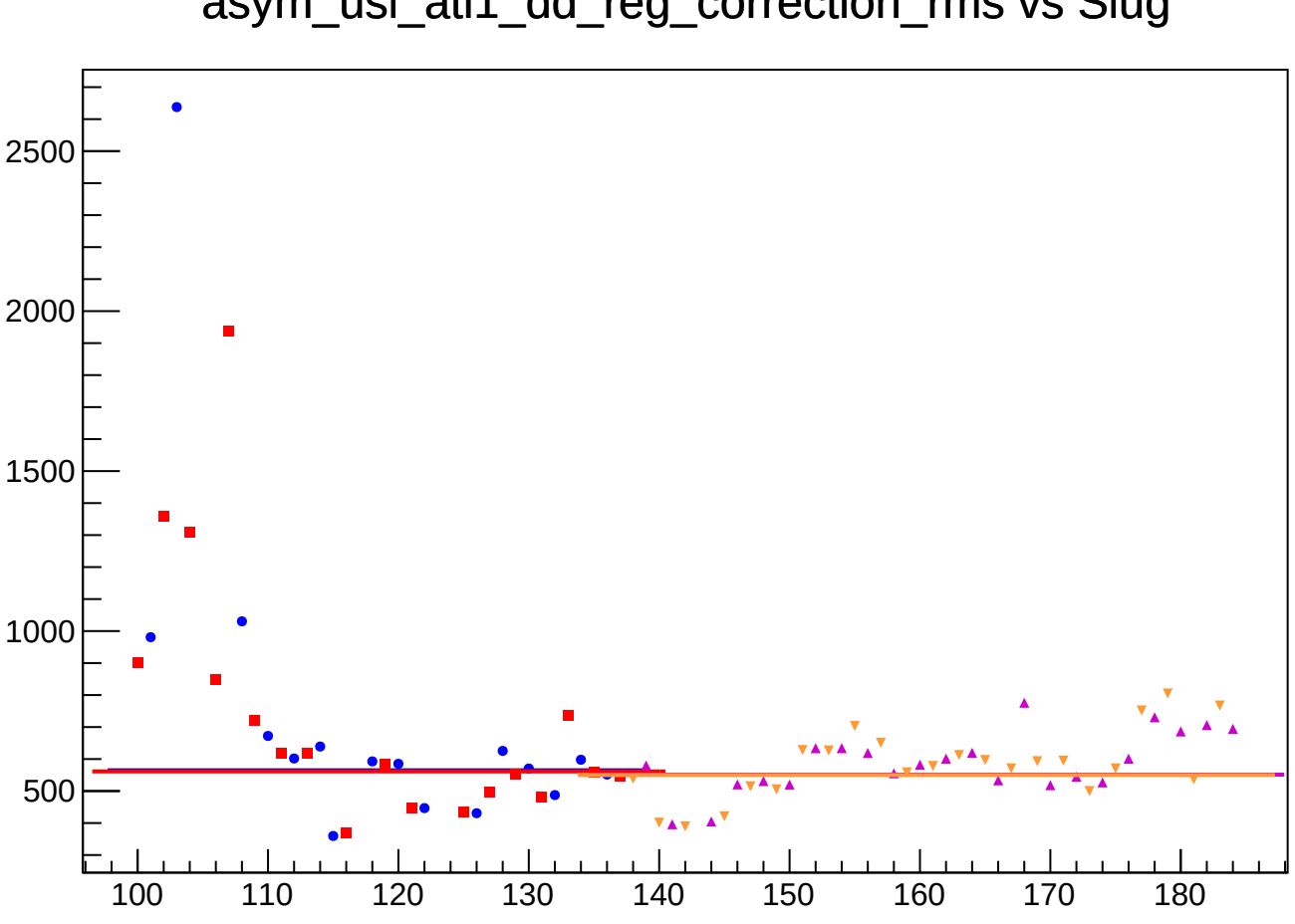
Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -443.676+/-113.037 χ^2/NDF: 88.4/38

All: -311.059+/-79.901 χ^2/NDF: 127.1/79

- sign -178.630+/-112.957 χ^2/NDF: 35.9/40



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

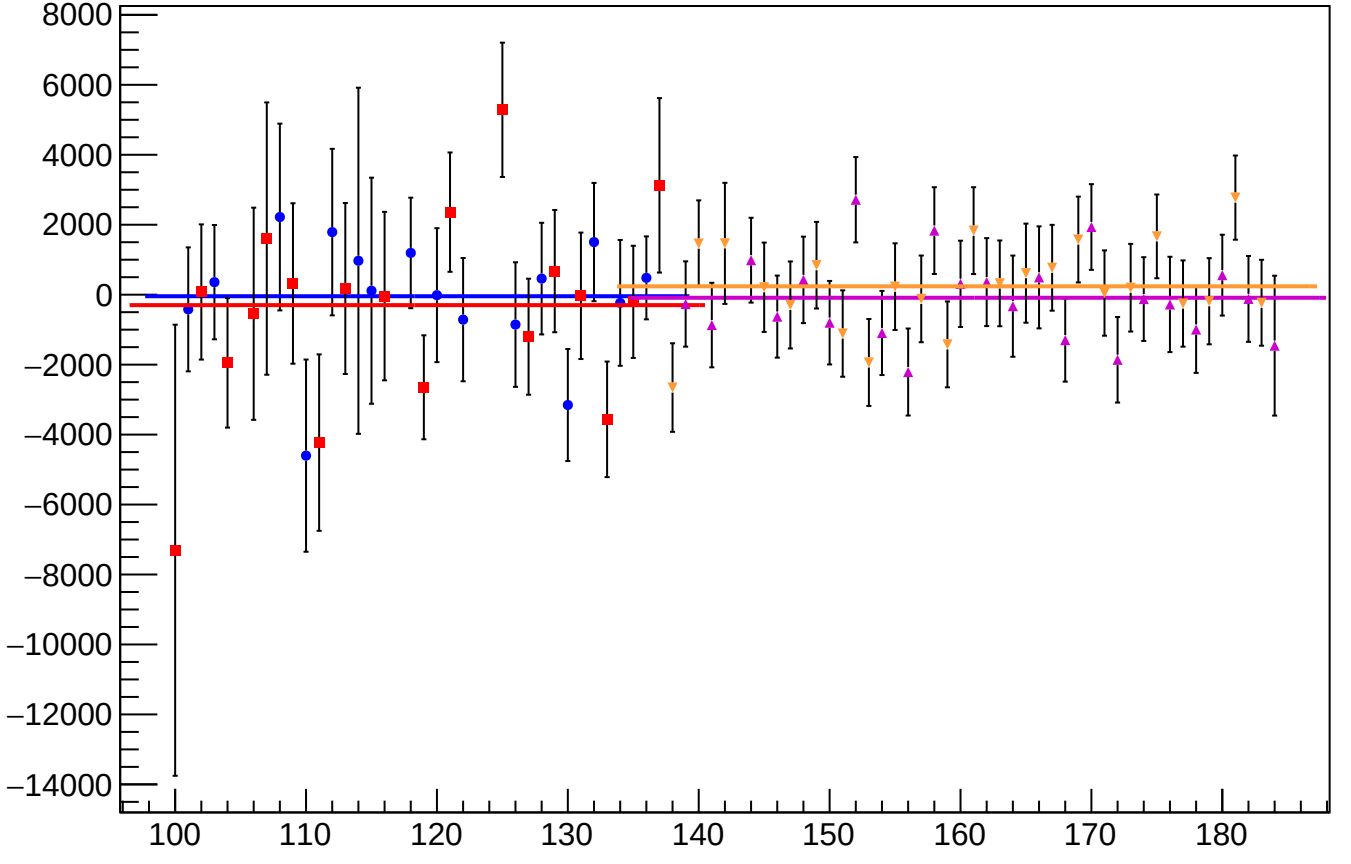
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 553.746+/-0.080 χ^2/NDF: 2480837.4/38

All: 553.810+/-0.056 χ^2/NDF: 4897773.3/79

- sign 553.873+/-0.080 χ^2/NDF: 2416934.6/40

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

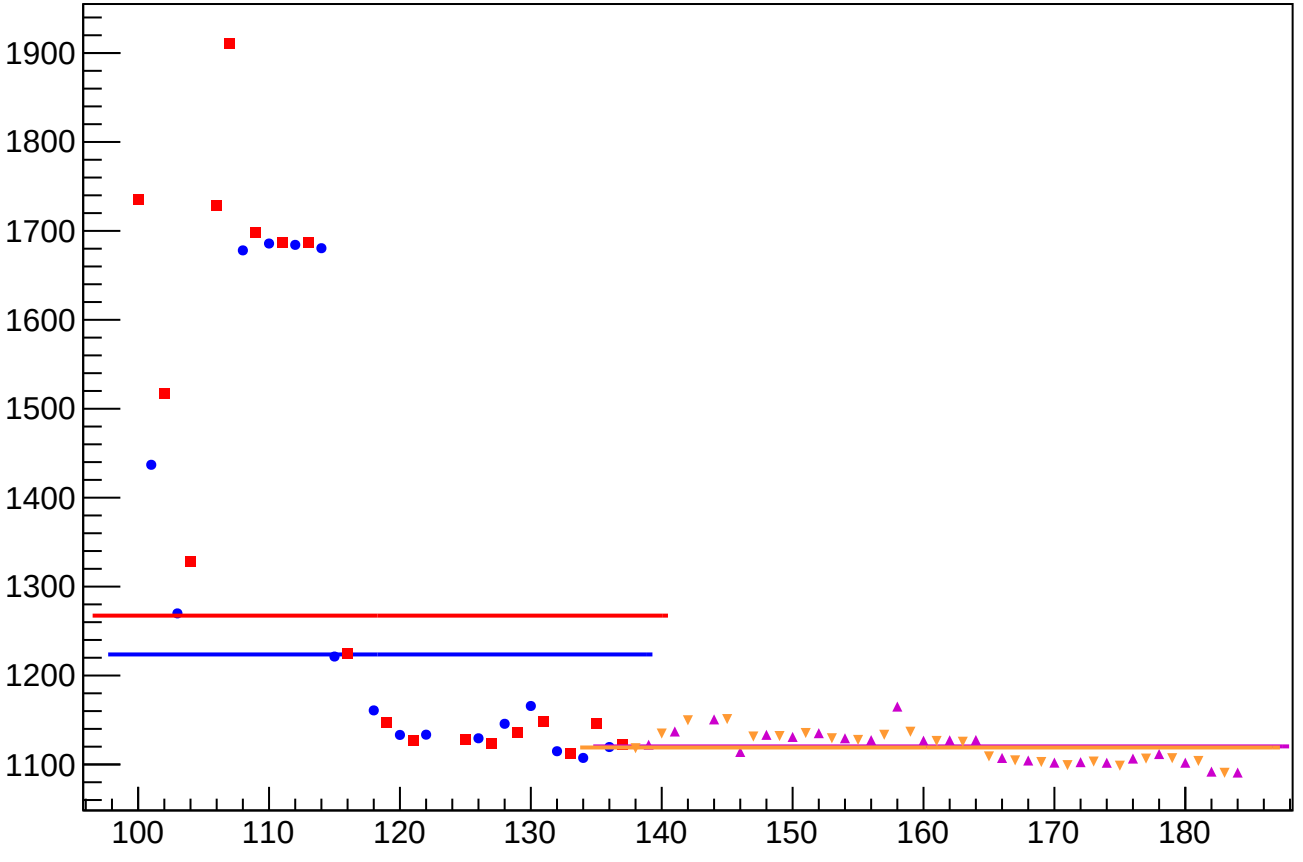
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 169.729+/-227.295 χ^2/NDF: 33.1/38

All: 17.557+/-161.385 χ^2/NDF: 79.7/79

- sign -137.155+/-229.184 χ^2/NDF: 45.7/40

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

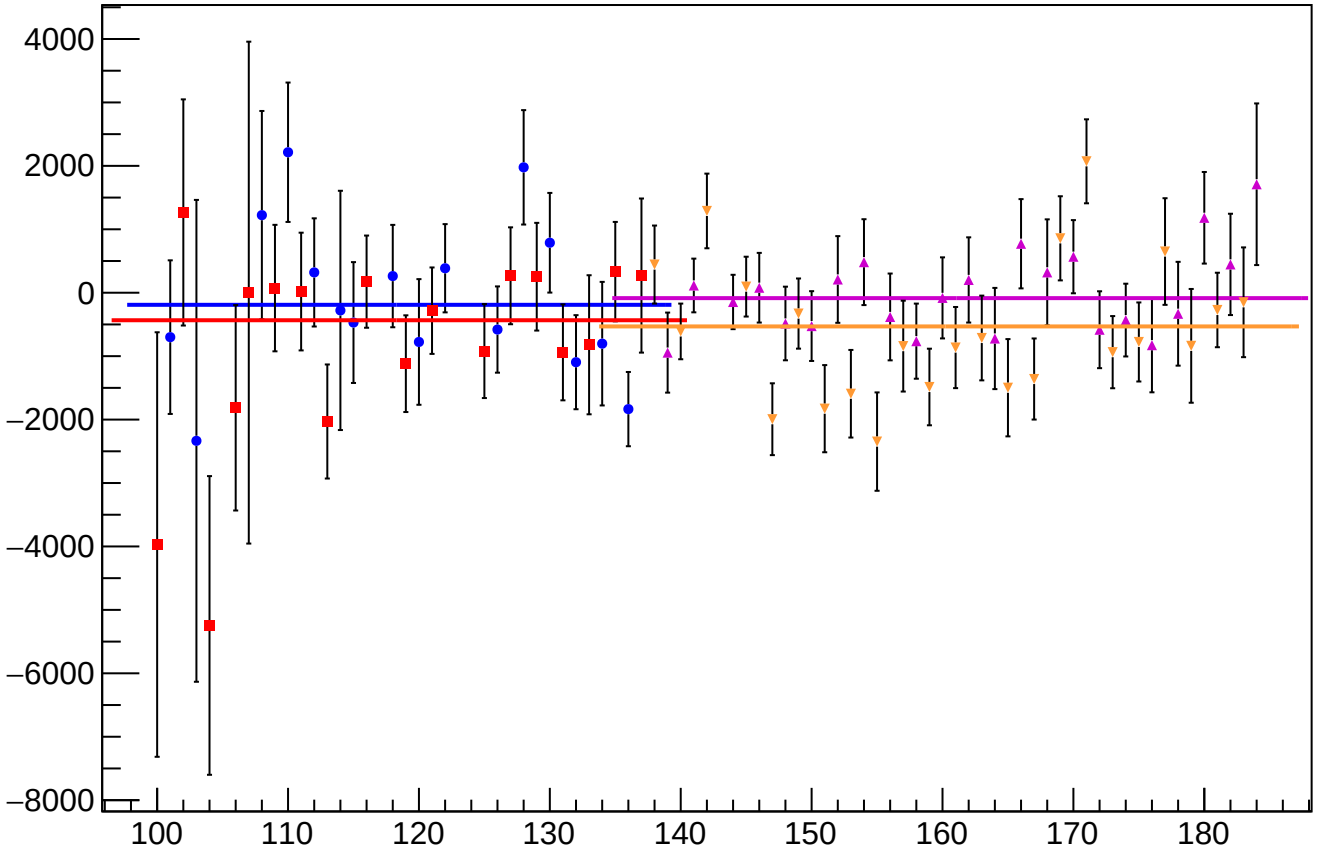
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.714+/-0.161 χ^2/NDF: 381303.1/38

All: 1149.565+/-0.114 χ^2/NDF: 979532.2/79

- sign 1154.497+/-0.162 χ^2/NDF: 596391.7/40

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

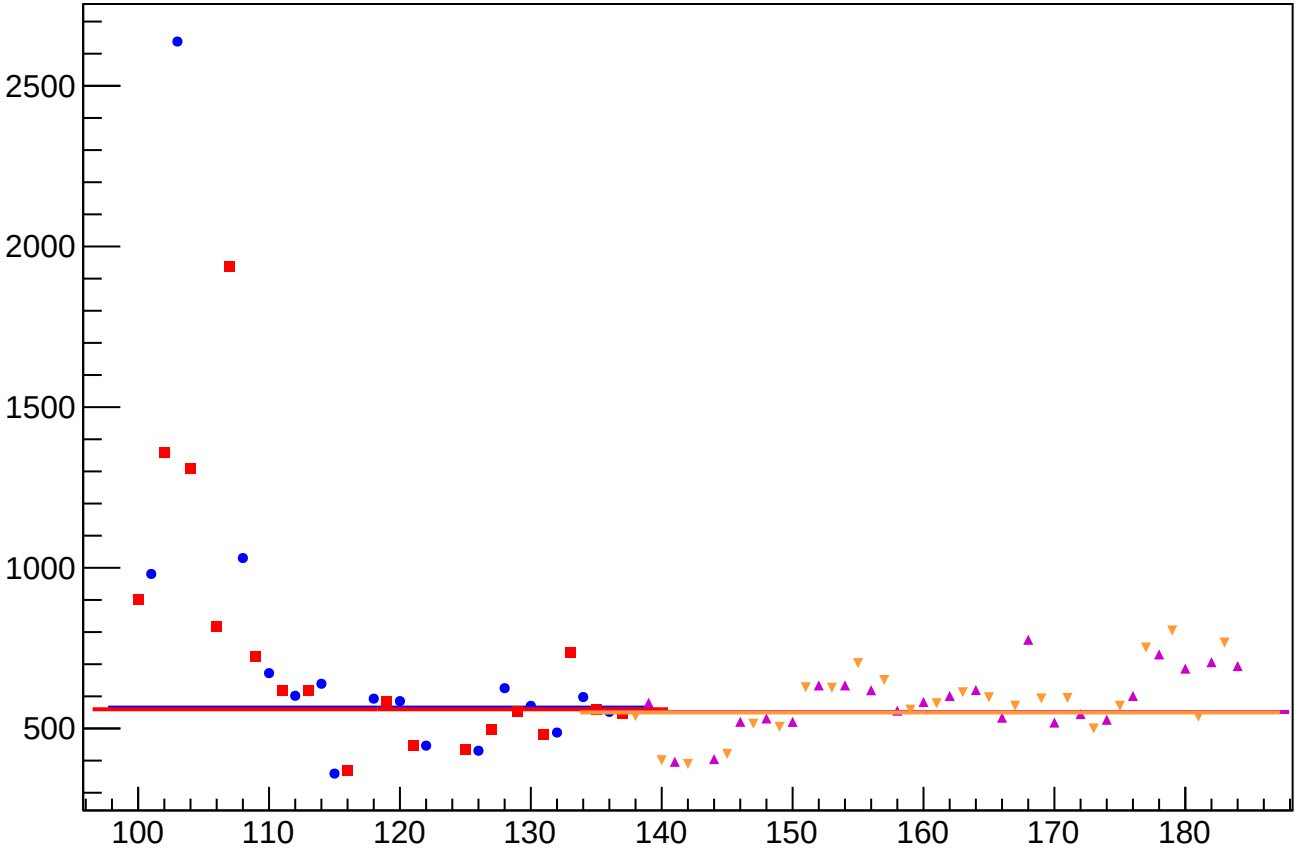
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -443.692+/-113.037 χ^2/NDF: 88.4/38

All: -308.967+/-79.916 χ^2/NDF: 126.1/79

\- sign -174.327+/-113.001 χ^2/NDF: 34.9/40

asym_usl_atl1_dd_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

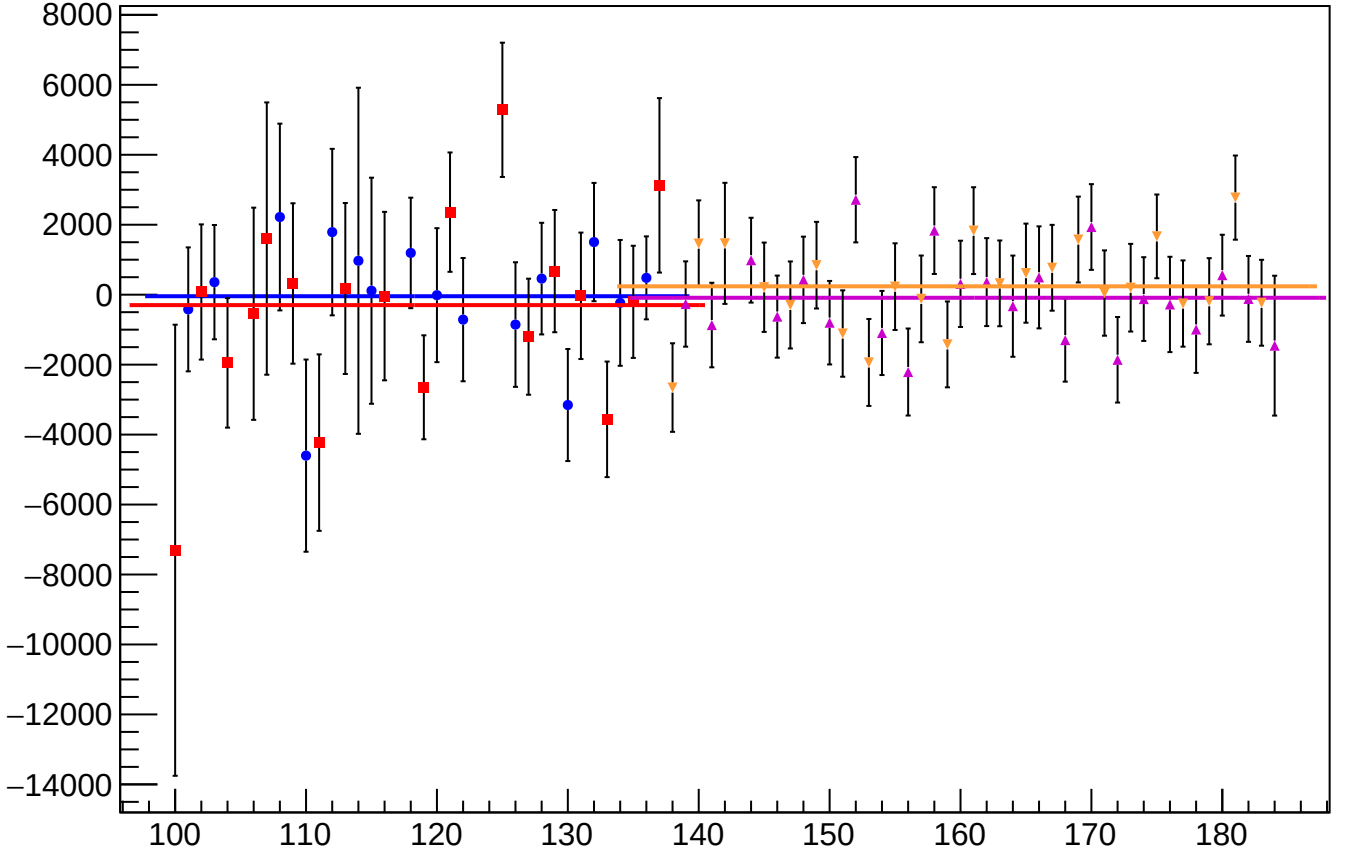
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

\+ sign 553.744+/-0.080 χ^2/NDF: 2480819.3/38

All: 553.616+/-0.057 χ^2/NDF: 4874027.0/79

\- sign 553.488+/-0.080 χ^2/NDF: 2393202.5/40

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

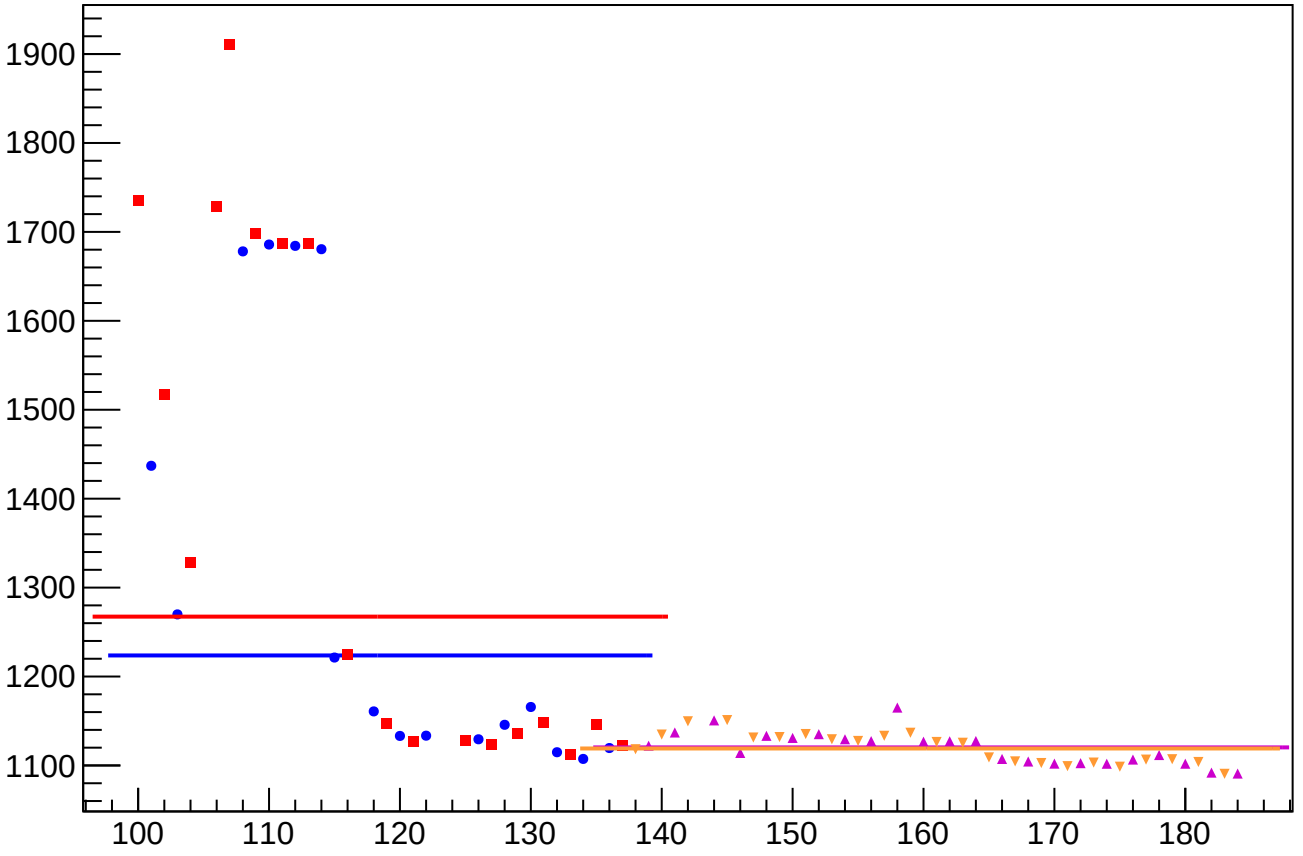
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 169.729+/-227.295 χ^2/NDF: 33.1/38

All: 17.557+/-161.385 χ^2/NDF: 79.7/79

- sign -137.155+/-229.184 χ^2/NDF: 45.7/40

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

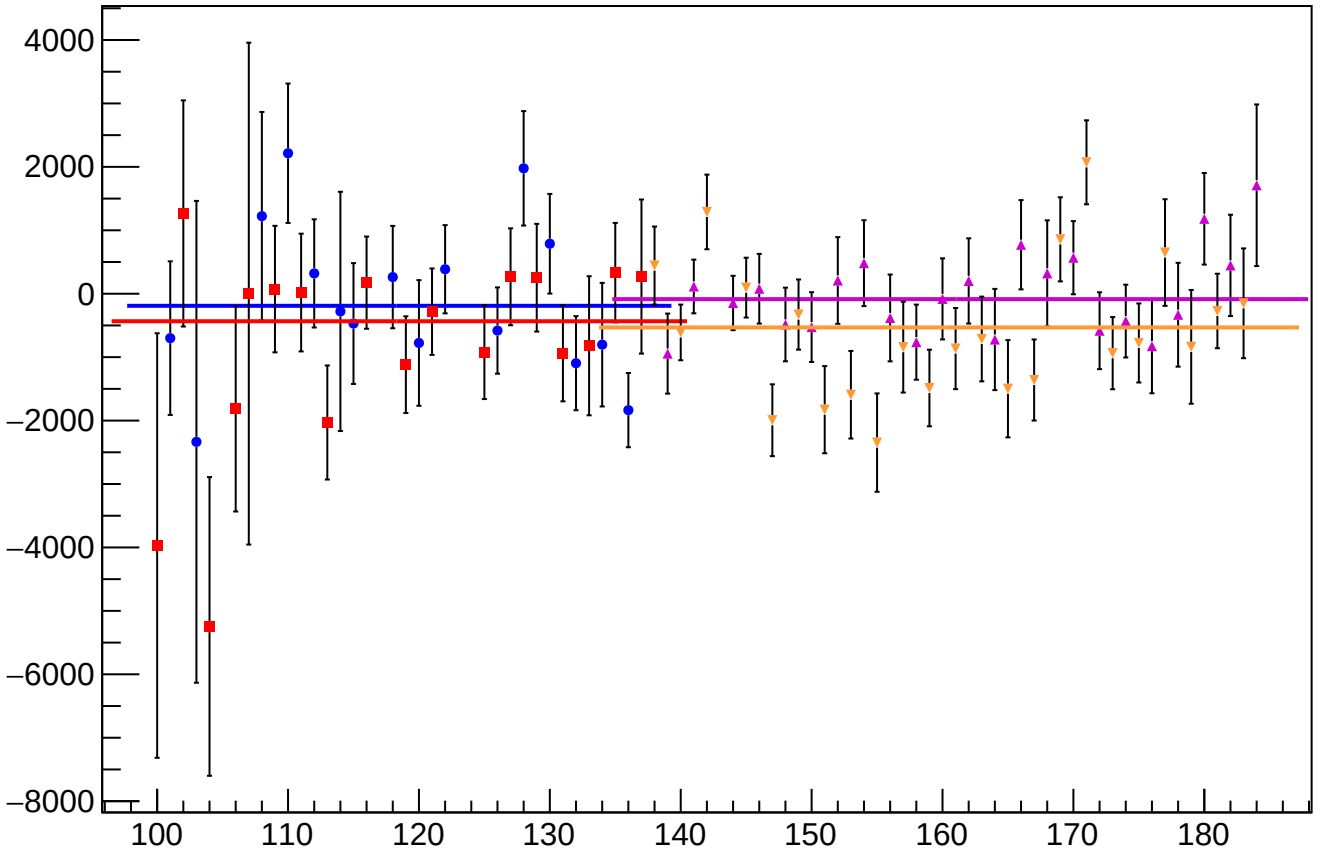
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.714+/-0.161 χ^2/NDF: 381303.1/38

All: 1149.565+/-0.114 χ^2/NDF: 979532.2/79

- sign 1154.497+/-0.162 χ^2/NDF: 596391.7/40



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -531.331+/-131.159 χ^2/NDF:61.4/22

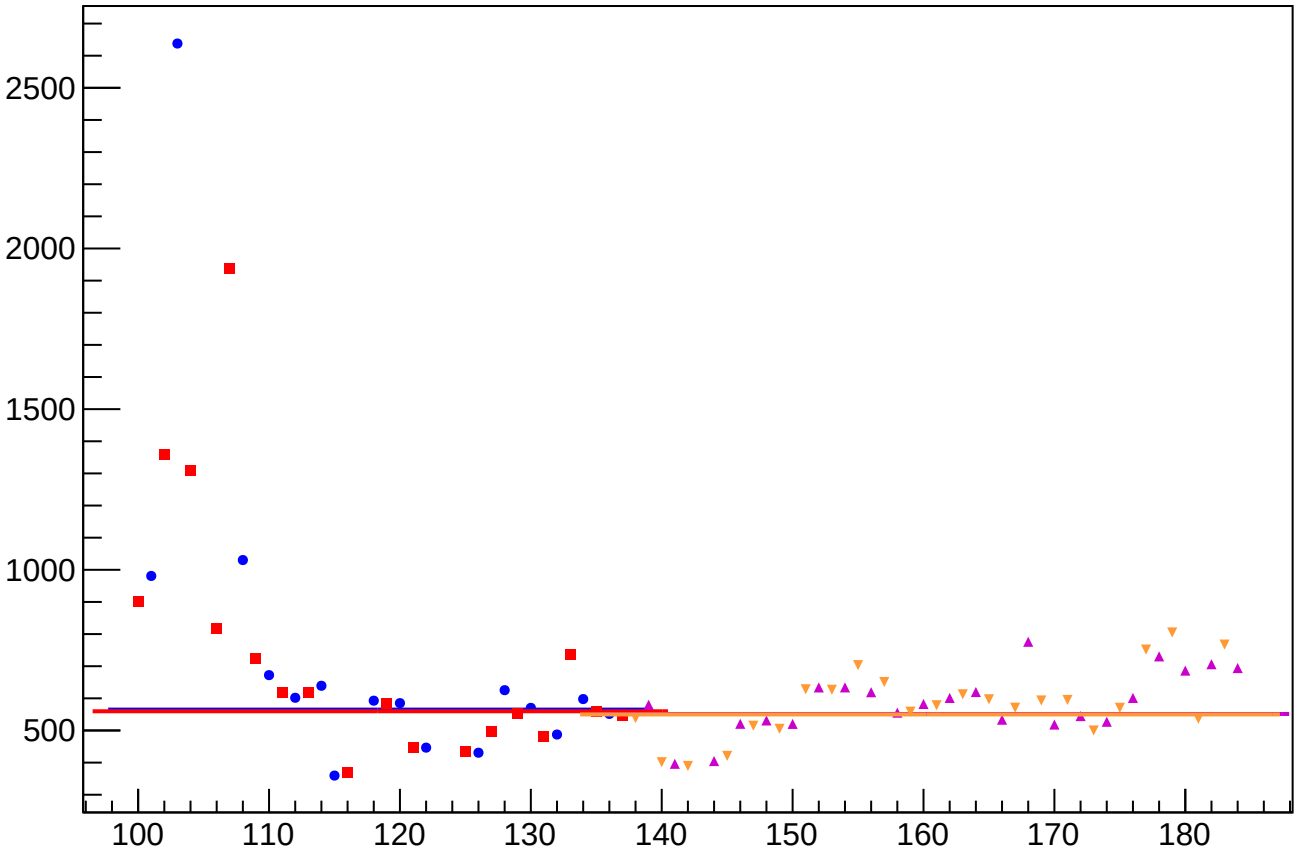
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -443.692+/-113.037 χ^2/NDF: 88.4/38

All: -308.967+/-79.916 χ^2/NDF: 126.1/79

\- sign -174.327+/-113.001 χ^2/NDF: 34.9/40



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

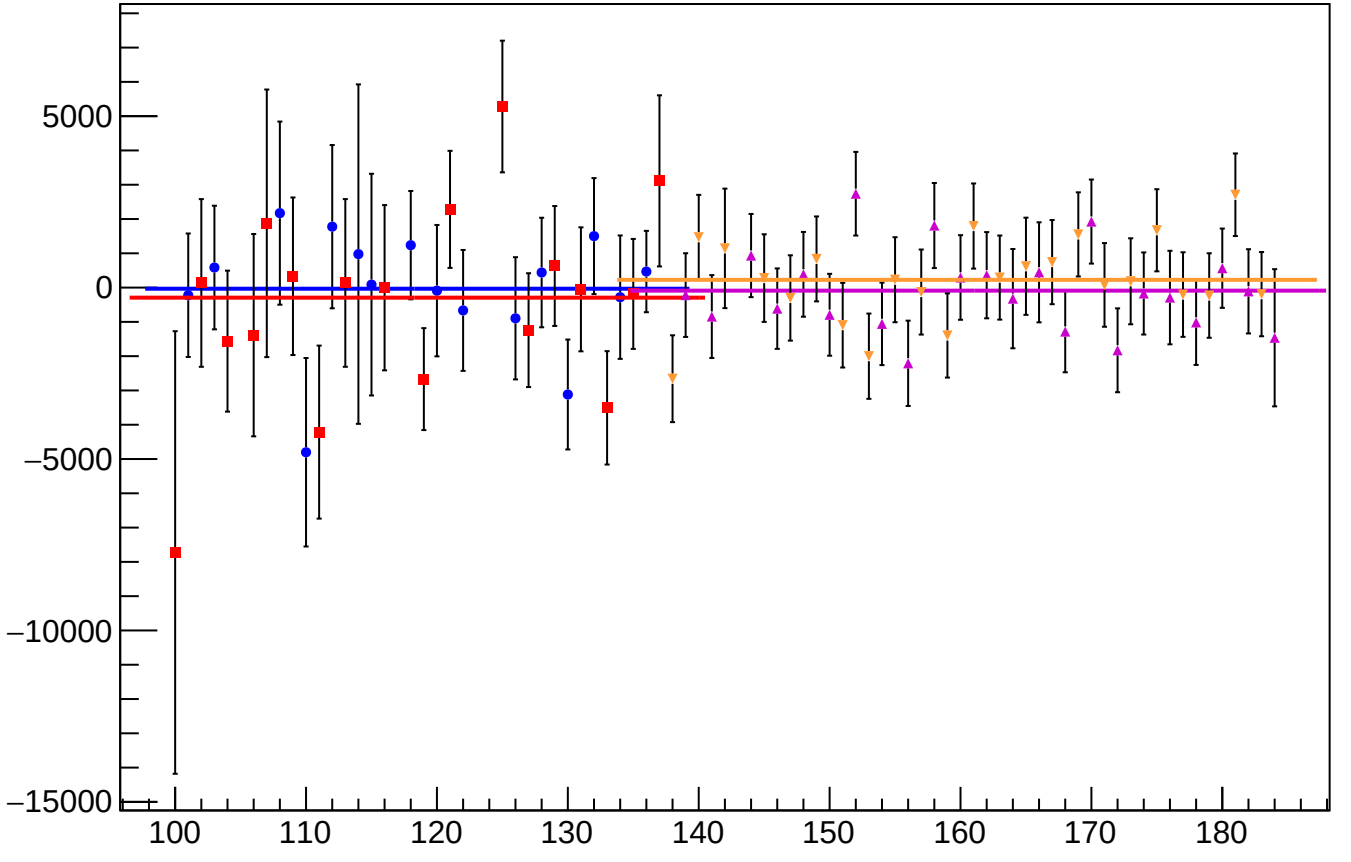
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 553.744+/-0.080 χ^2/NDF: 2480819.3/38

All: 553.616+/-0.057 χ^2/NDF: 4874027.0/79

- sign 553.488+/-0.080 χ^2/NDF: 2393202.5/40

dit_asym_usl_atl1_dd_mean vs Slug



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

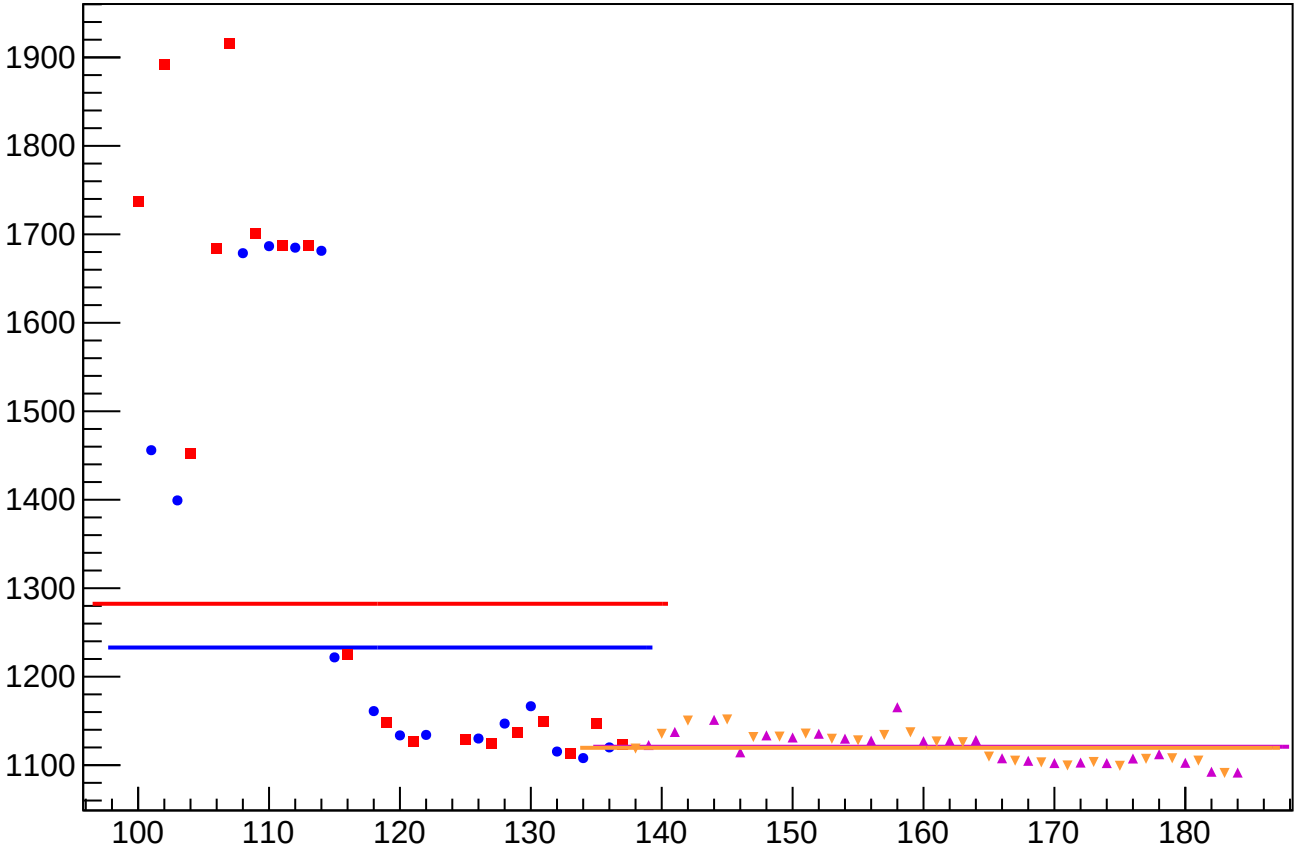
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 163.657+/-227.880 χ^2/NDF: 32.7/38

All: 15.678+/-161.949 χ^2/NDF: 78.5/79

- sign -135.325+/-230.198 χ^2/NDF: 44.9/40

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

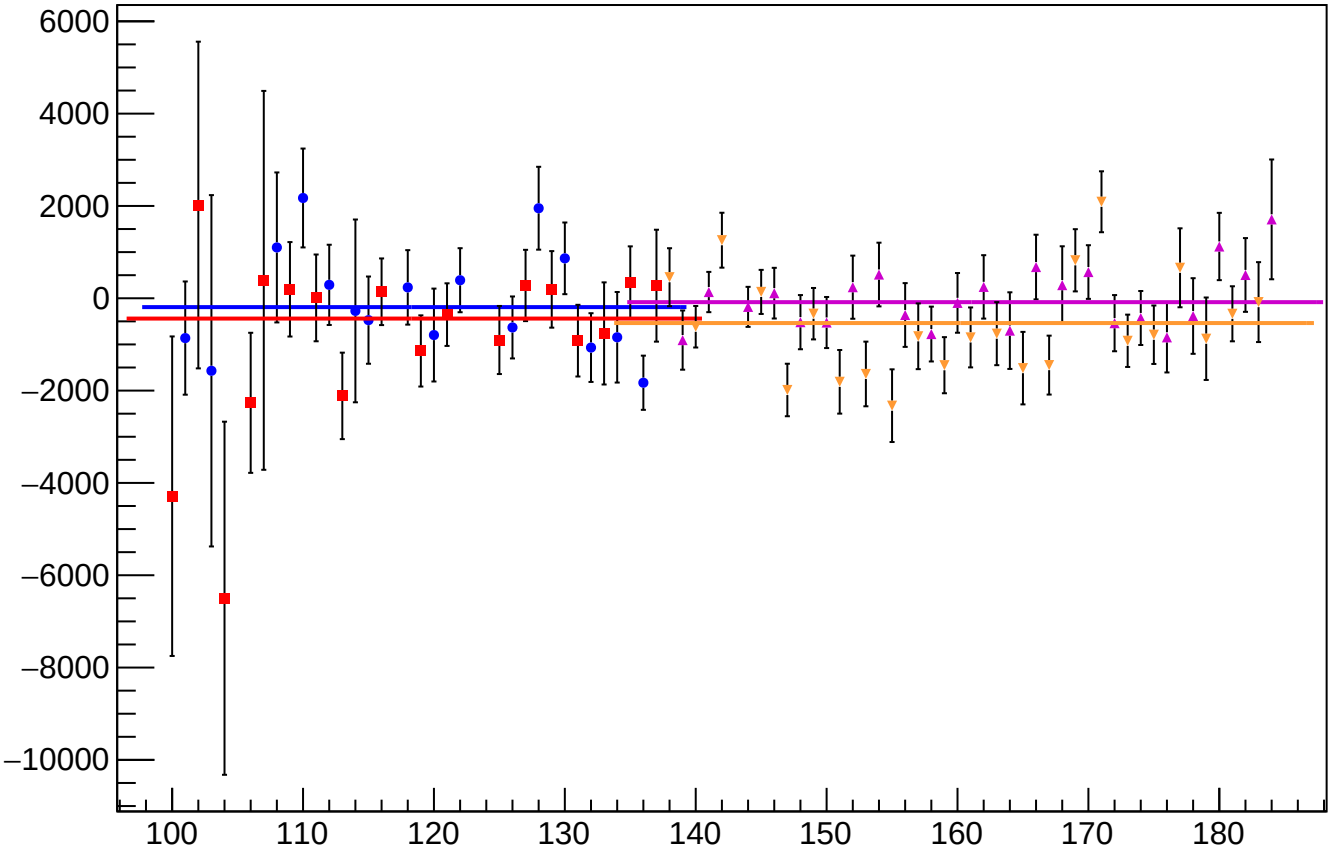
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1147.037+/-0.161 χ^2/NDF: 414175.2/38

All: 1152.157+/-0.115 χ^2/NDF: 1141663.8/79

- sign 1157.382+/-0.163 χ^2/NDF: 725448.7/40

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

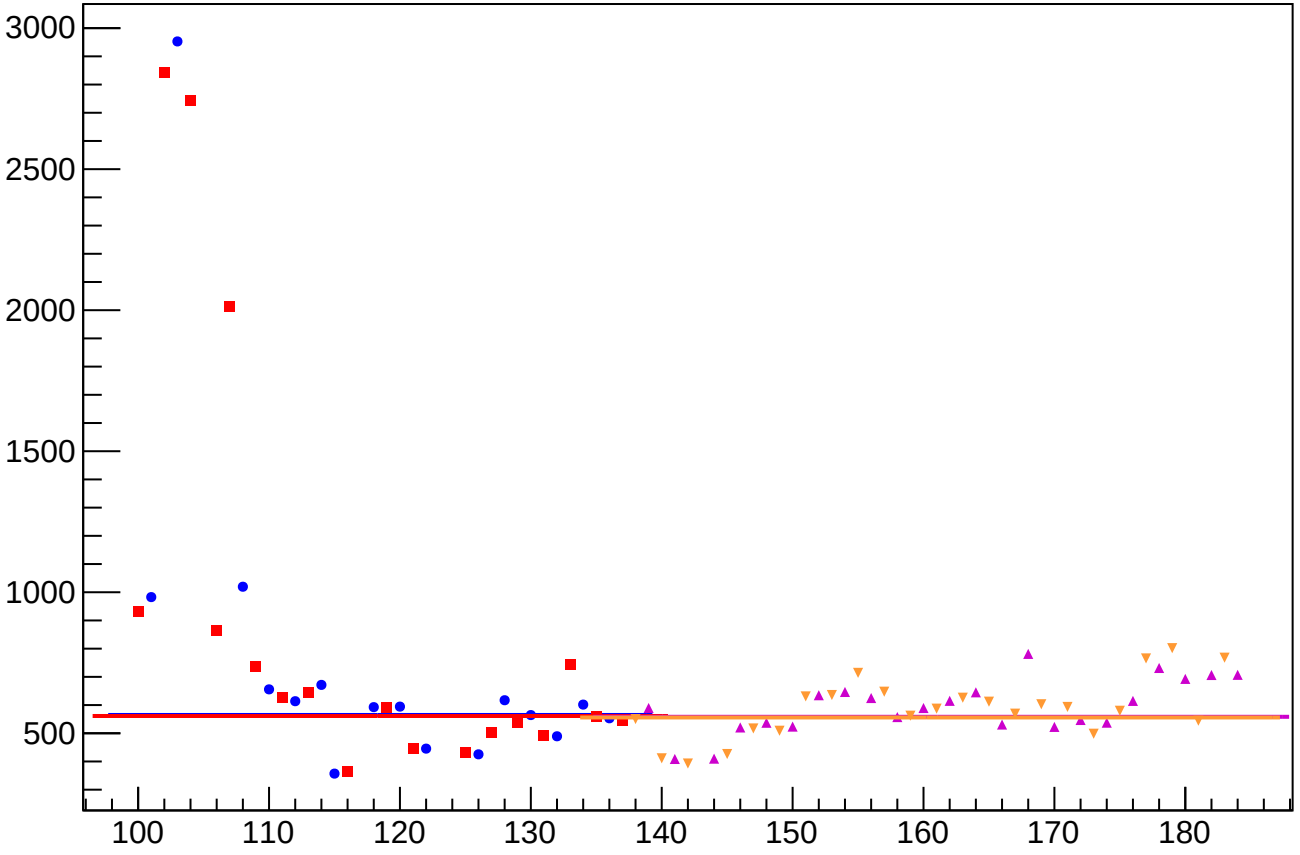
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -446.471+/-113.911 χ^2/NDF: 87.8/38

All: -311.205+/-80.724 χ^2/NDF: 123.5/79

- sign -174.747+/-114.412 χ^2/NDF: 32.9/40

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

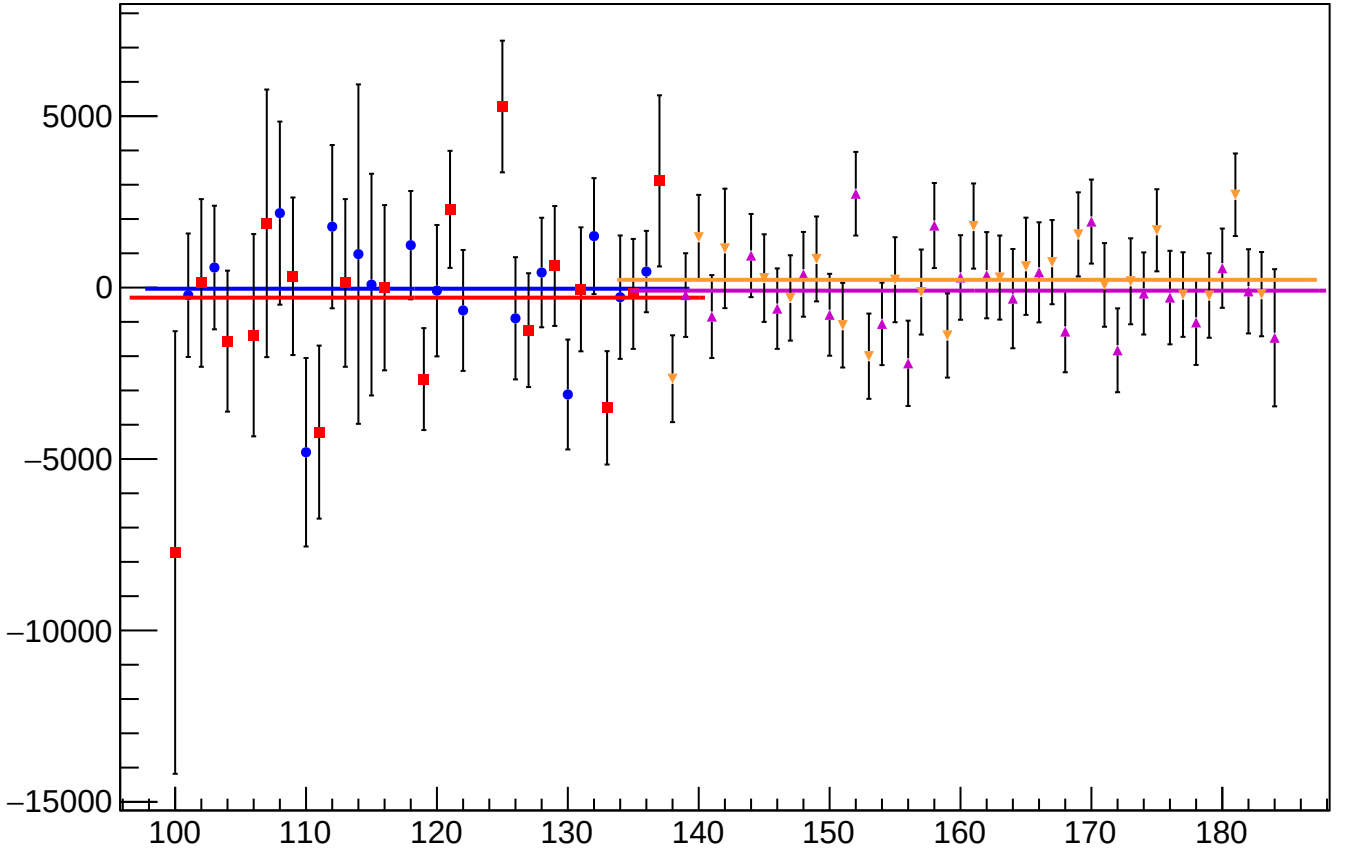
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 558.363+/-0.081 χ^2/NDF: 2643107.1/38

All: 558.744+/-0.057 χ^2/NDF: 5944578.6/79

- sign 559.127+/-0.081 χ^2/NDF: 3301426.8/40

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

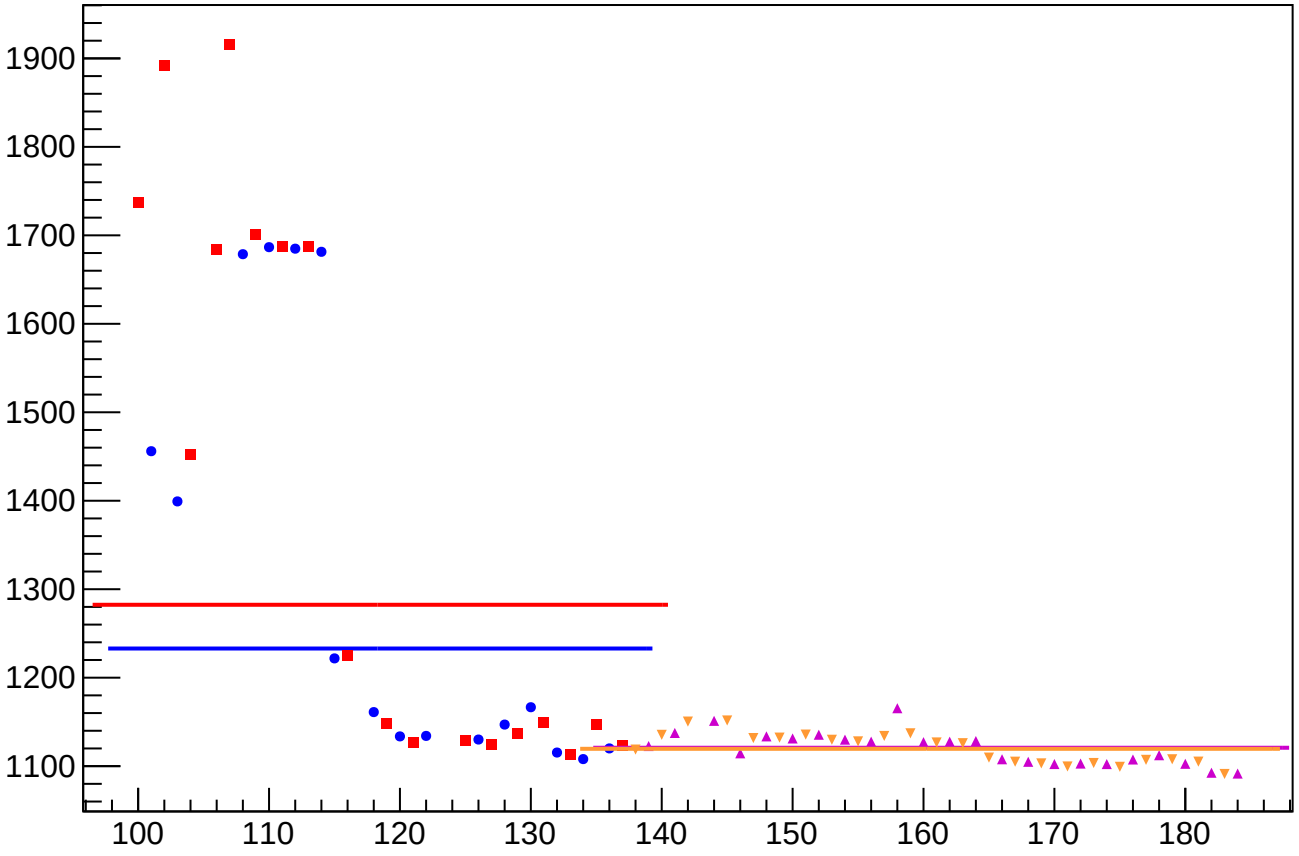
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 163.656+/-227.880 χ^2/NDF: 32.7/38

All: 15.677+/-161.949 χ^2/NDF: 78.5/79

- sign -135.326+/-230.198 χ^2/NDF: 44.9/40

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

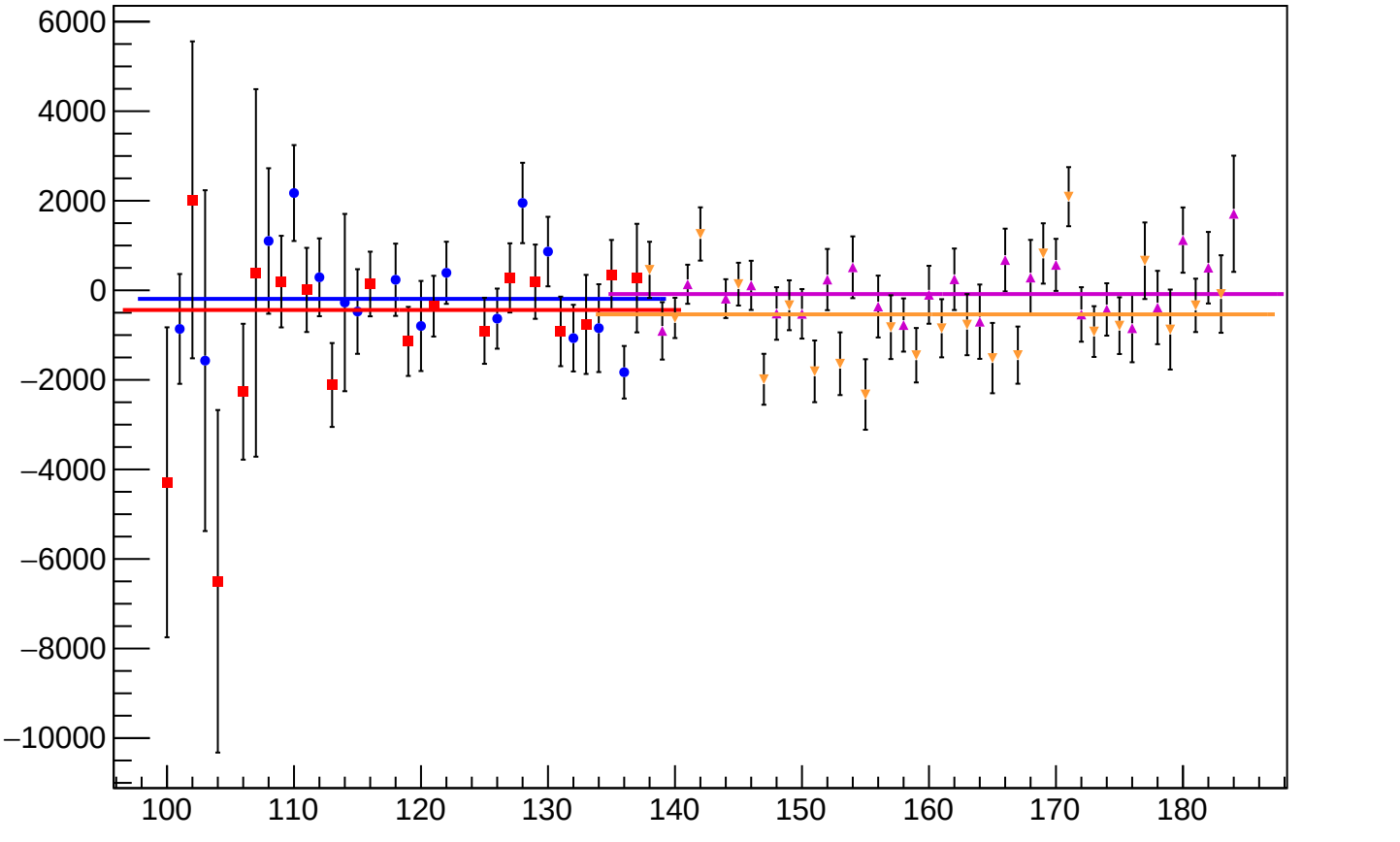
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1147.037+/-0.161 χ^2/NDF: 414174.7/38

All: 1152.157+/-0.115 χ^2/NDF: 1141662.6/79

- sign 1157.382+/-0.163 χ^2/NDF: 725448.0/40



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -536.737+/-132.552 χ^2/NDF:60.7/22

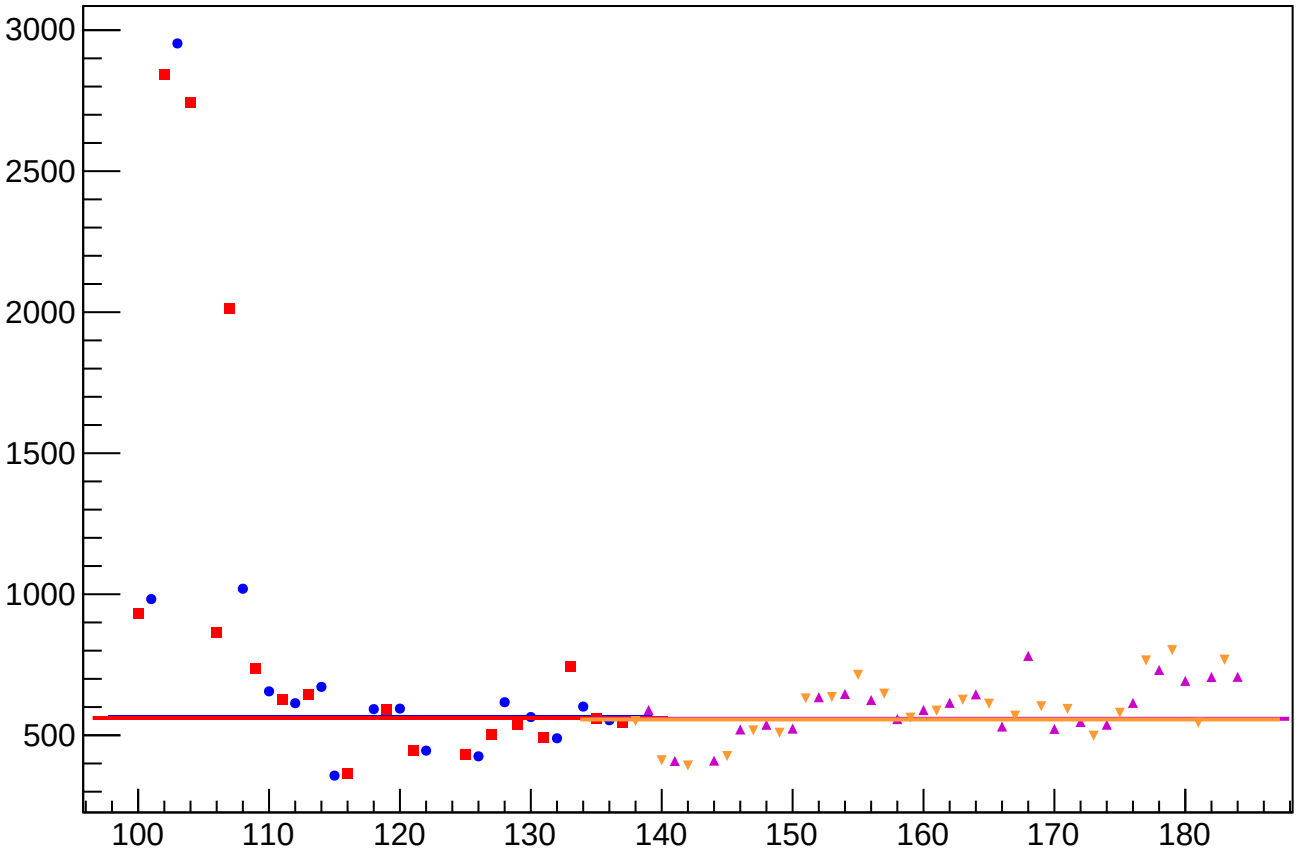
Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -446.470+/-113.911 χ^2/NDF: 87.8/38

All: -311.205+/-80.724 χ^2/NDF: 123.5/79

- sign -174.747+/-114.412 χ^2/NDF: 32.9/40



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 556.059+/-0.094 χ^2/NDF:1160441.3/22

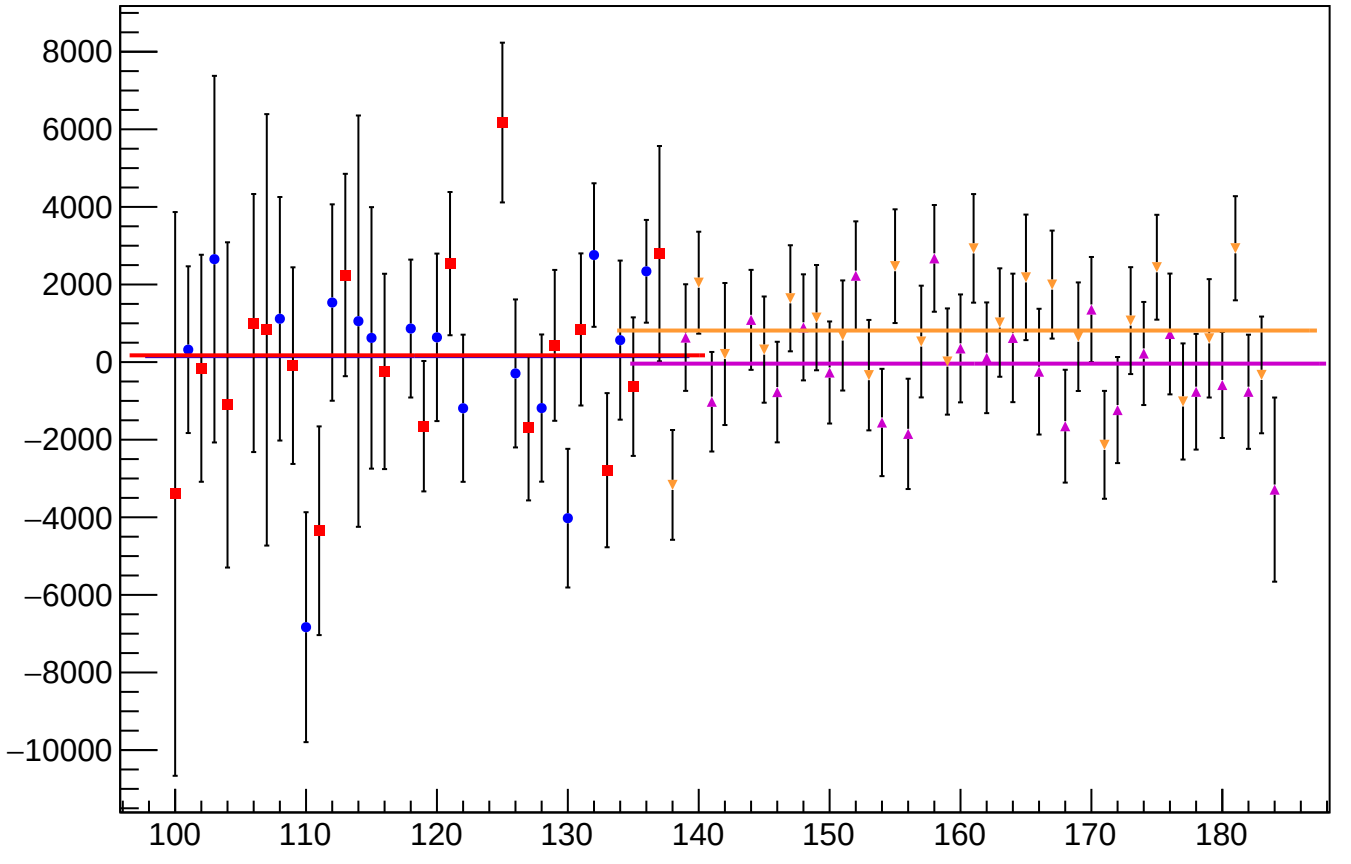
Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 558.363+/-0.081 χ^2/NDF: 2643125.5/38

All: 558.743+/-0.057 χ^2/NDF: 5944612.3/79

- sign 559.127+/-0.081 χ^2/NDF: 3301442.1/40



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

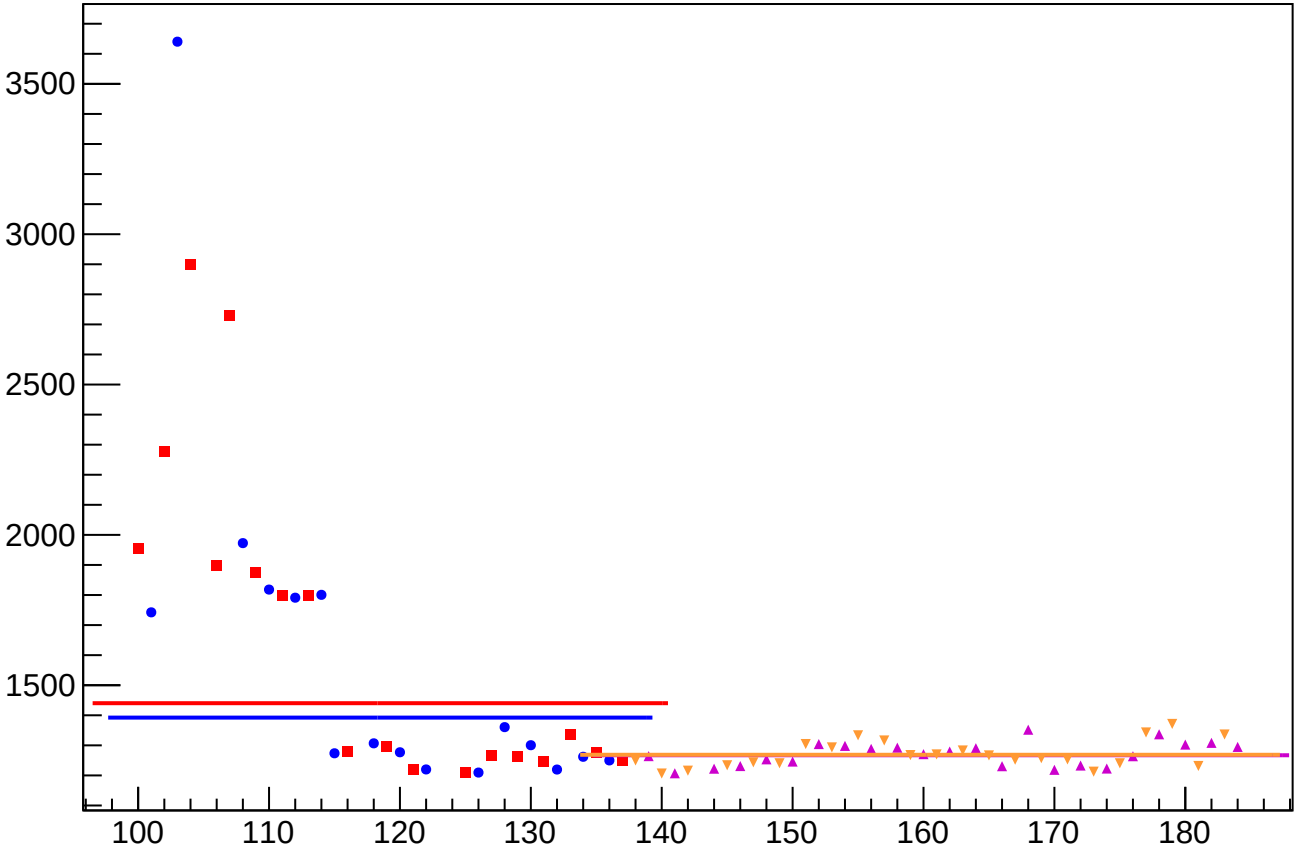
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

\+ sign 657.098+/-259.156 χ^2/NDF: 45.0/38

All: 334.614+/-183.784 χ^2/NDF: 85.8/79

\- sign 8.350+/-260.670 χ^2/NDF: 37.6/40

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

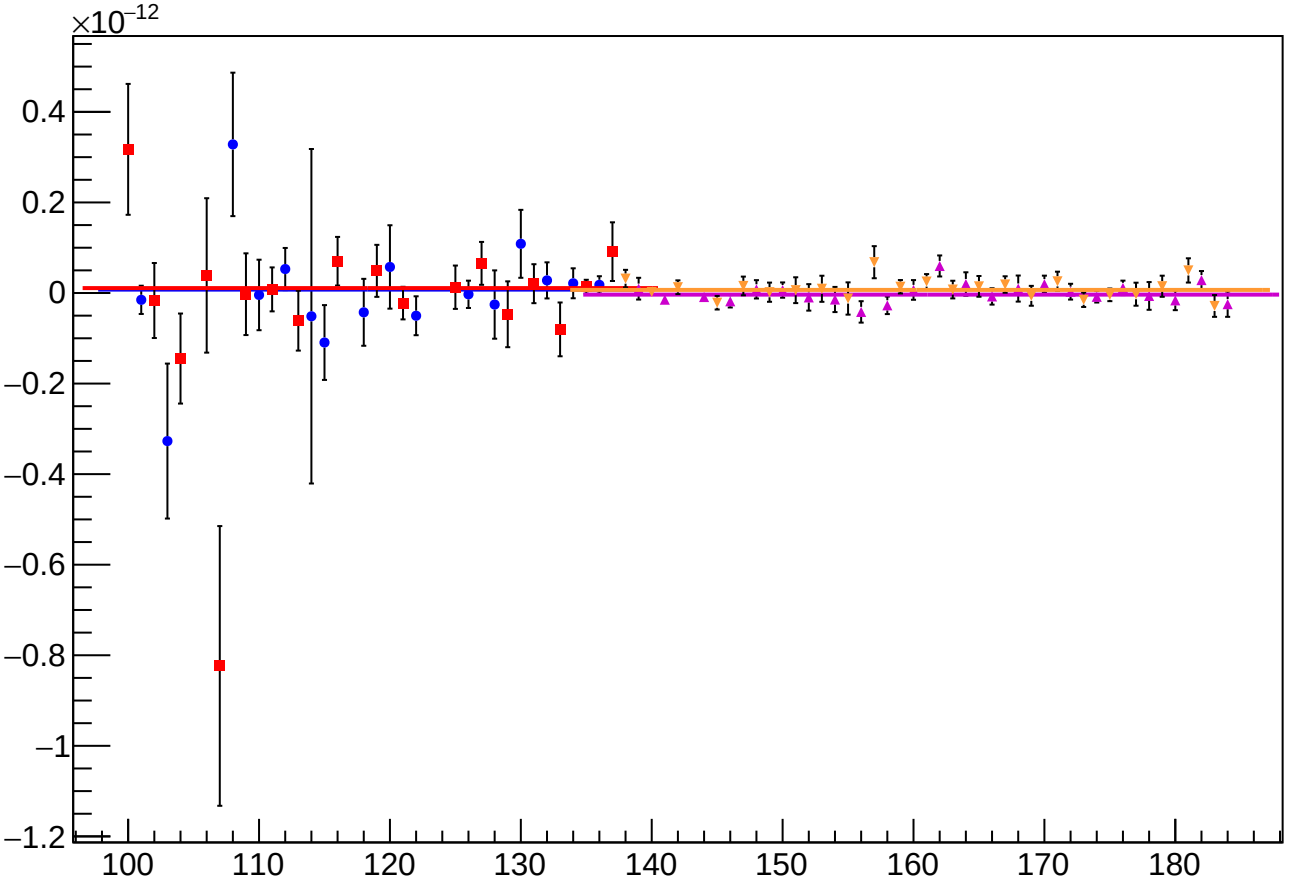
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1297.980+/-0.183 χ^2/NDF: 903544.8/38

All: 1301.936+/-0.130 χ^2/NDF: 1947561.6/79

- sign 1305.939+/-0.184 χ^2/NDF: 1043079.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/22

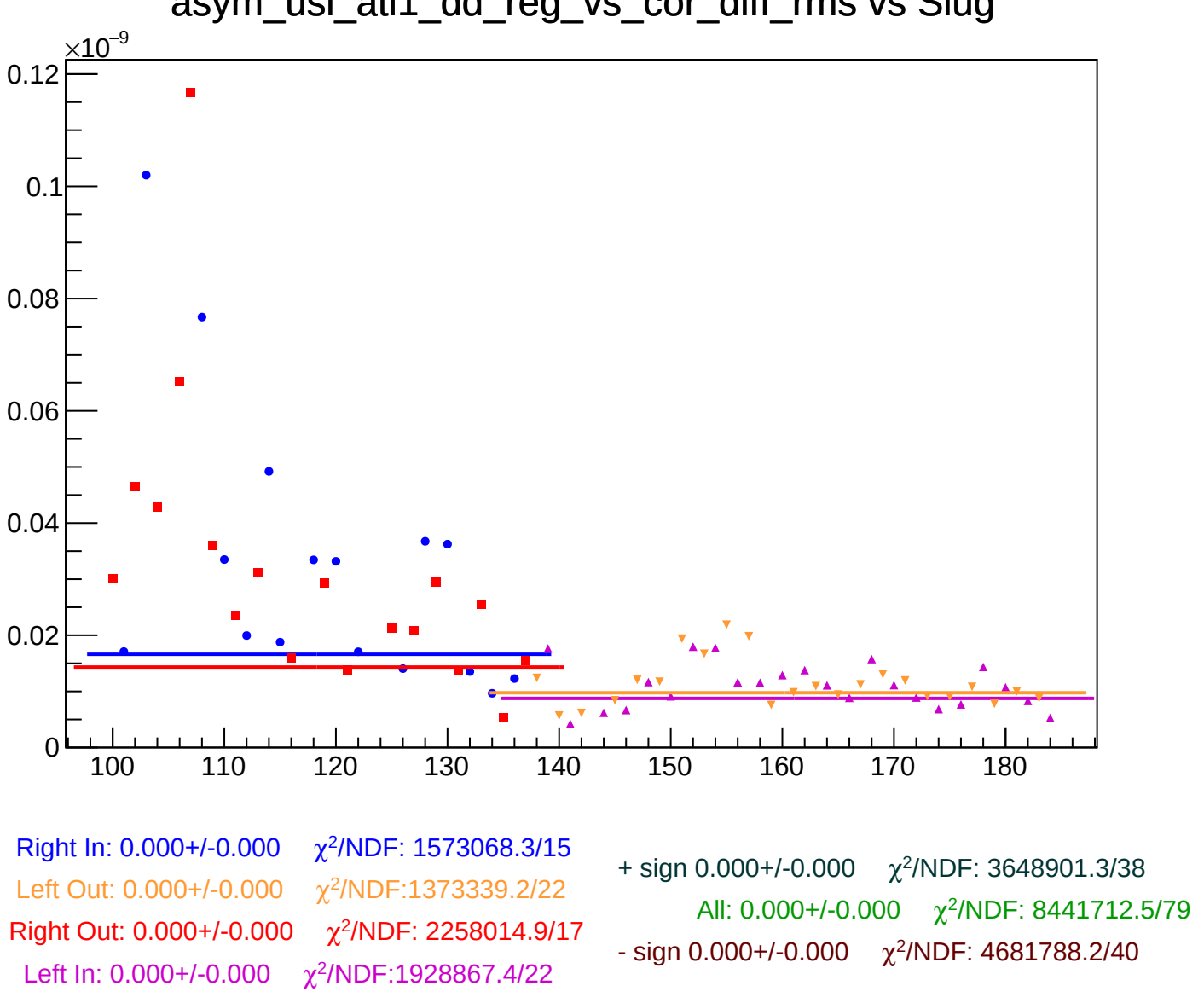
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/38

All: 0.000+/-0.000 χ^2/NDF: 88.2/79

- sign -0.000+/-0.000 χ^2/NDF: 48.7/40


asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
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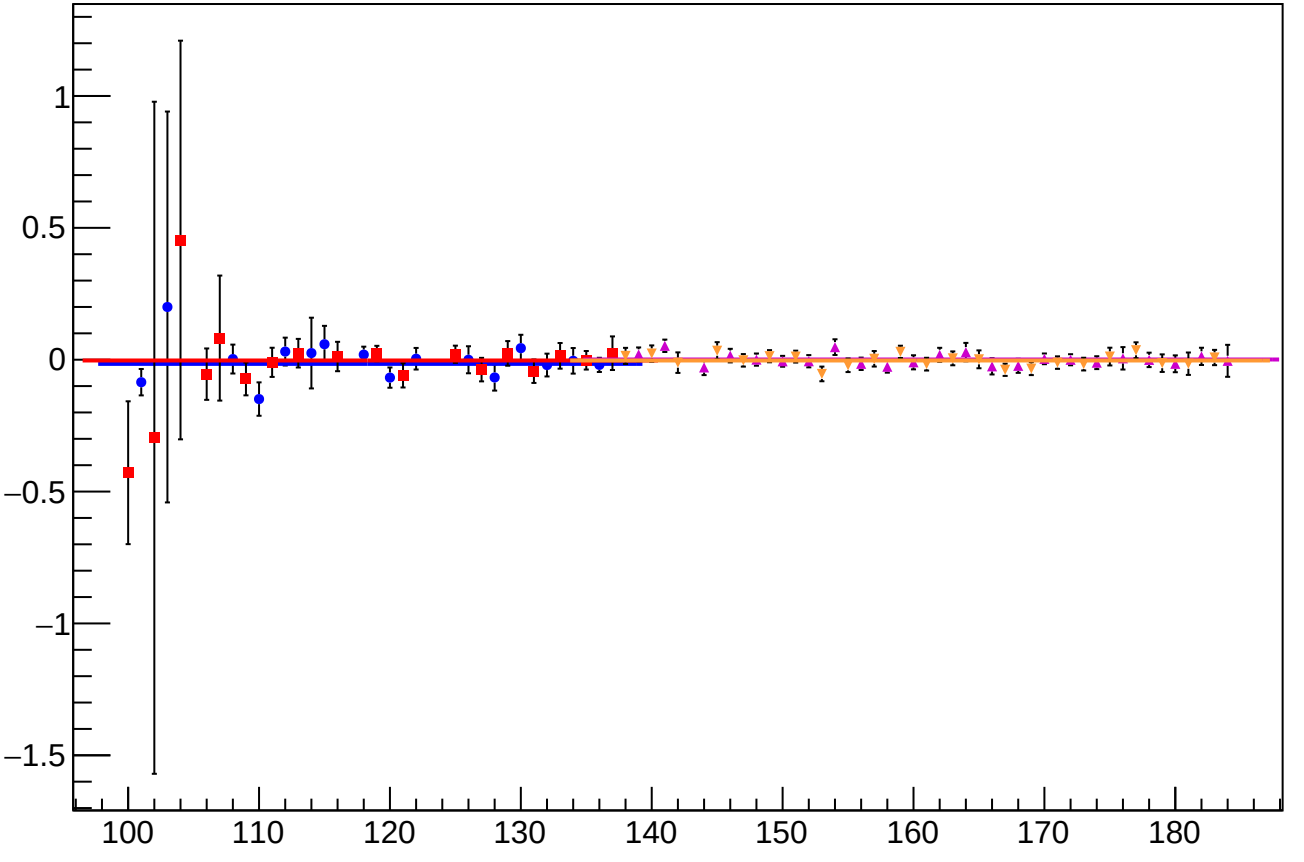
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1573068.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1373339.2/22
Right Out: 0.000+/-0.000 χ²/NDF: 2258014.9/17
Left In: 0.000+/-0.000 χ²/NDF:1928867.4/22
+ sign 0.000+/-0.000 χ²/NDF: 3648901.3/38
All: 0.000+/-0.000 χ²/NDF: 8441712.5/79
- sign 0.000+/-0.000 χ²/NDF: 4681788.2/40

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

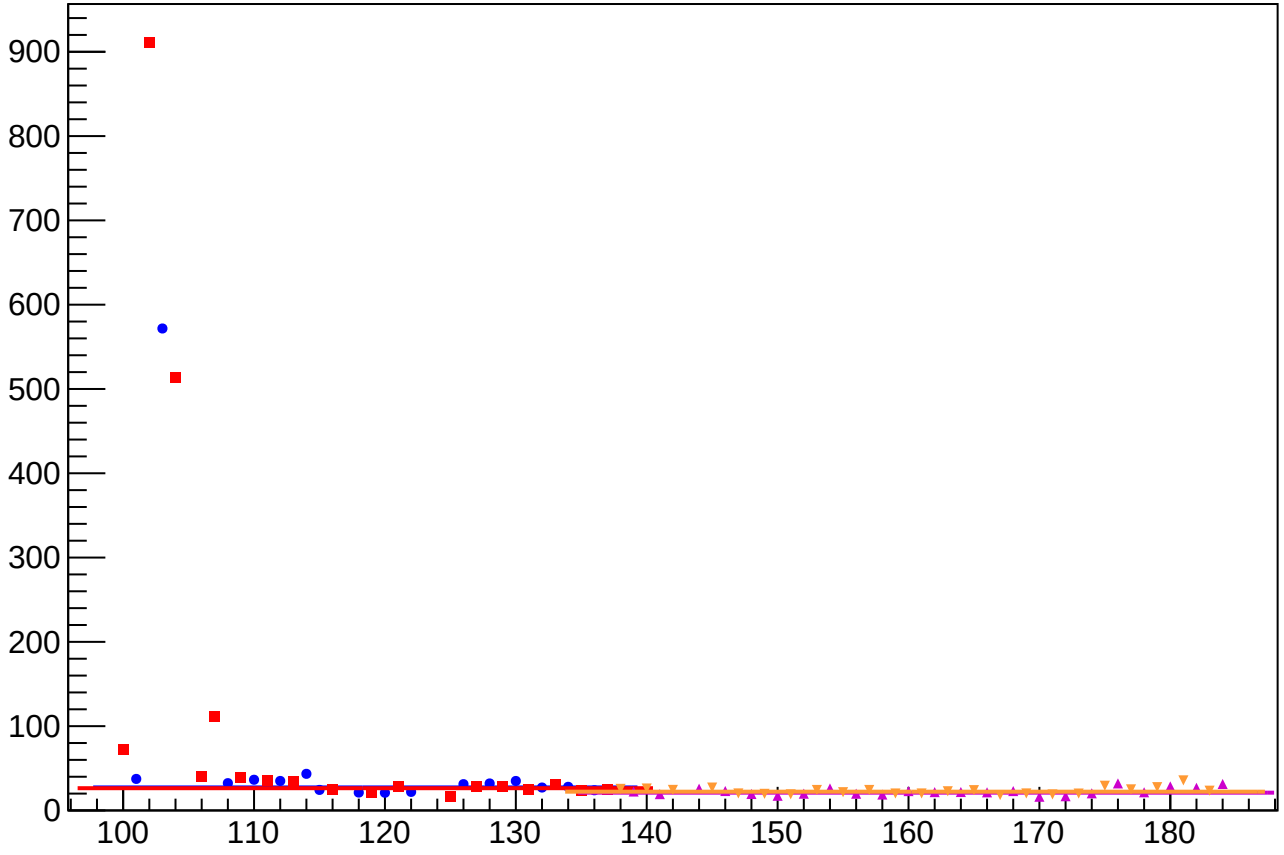
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 31.7/38

All: -0.003+/-0.004 χ^2/NDF: 57.2/79

- sign 0.000+/-0.005 χ^2/NDF: 24.9/40

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

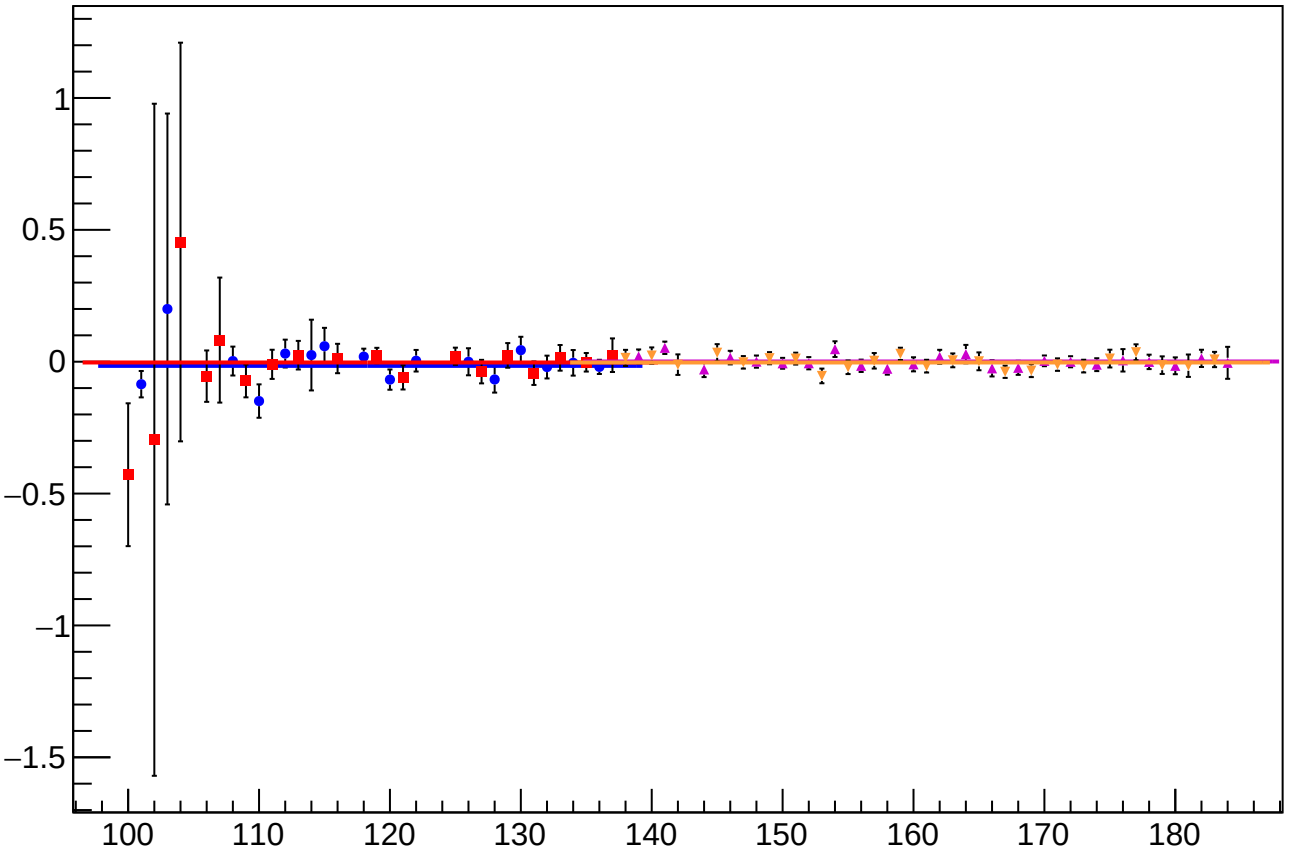
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.254+/-0.004 χ^2/NDF: 2602093.9/38

All: 22.614+/-0.003 χ^2/NDF: 6419303.2/79

- sign 22.007+/-0.004 χ^2/NDF: 3756158.0/40



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.1/22

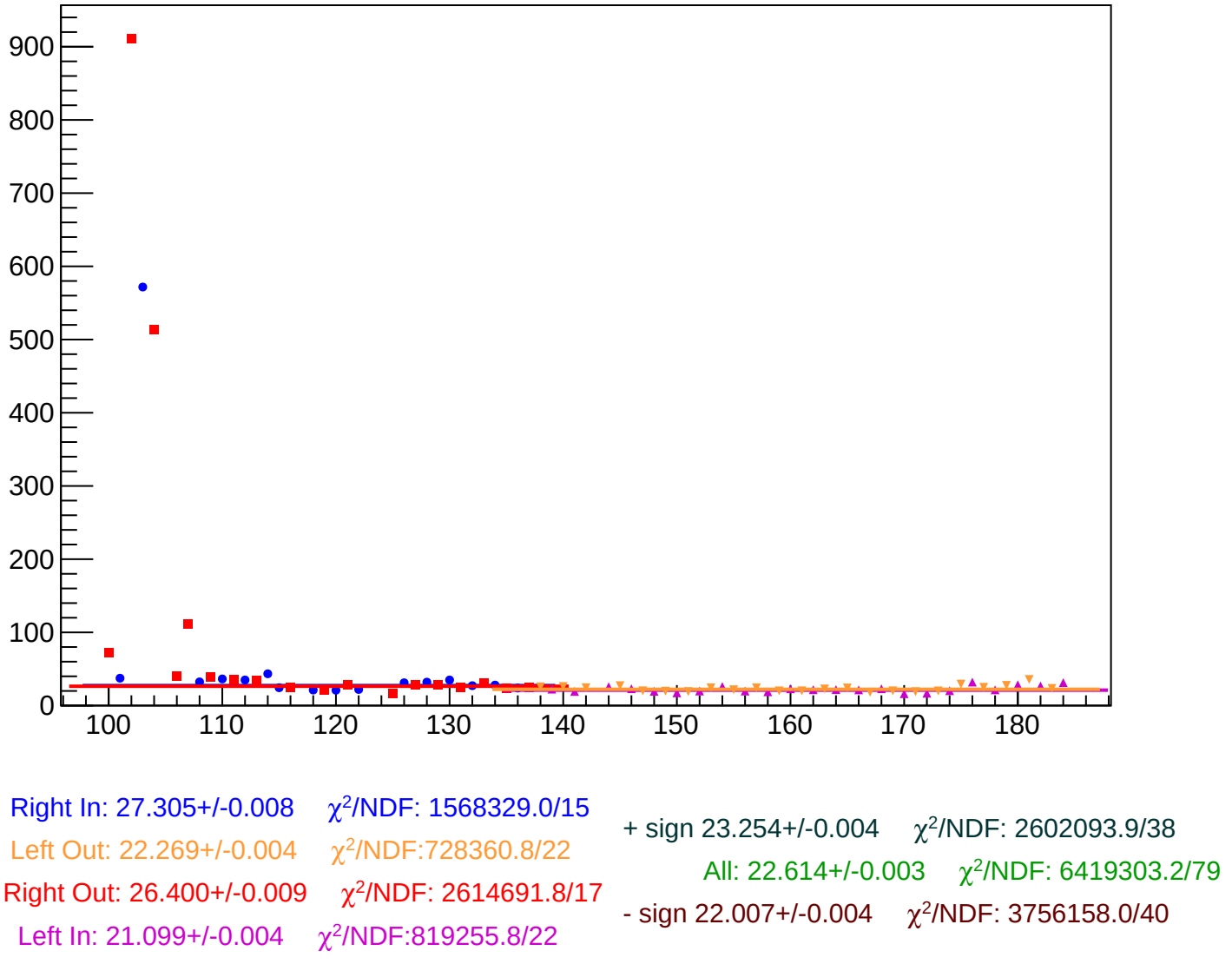
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 31.7/38

All: -0.003+/-0.004 χ^2/NDF: 57.2/79

- sign 0.000+/-0.005 χ^2/NDF: 24.9/40


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug
900
800
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500
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200
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100
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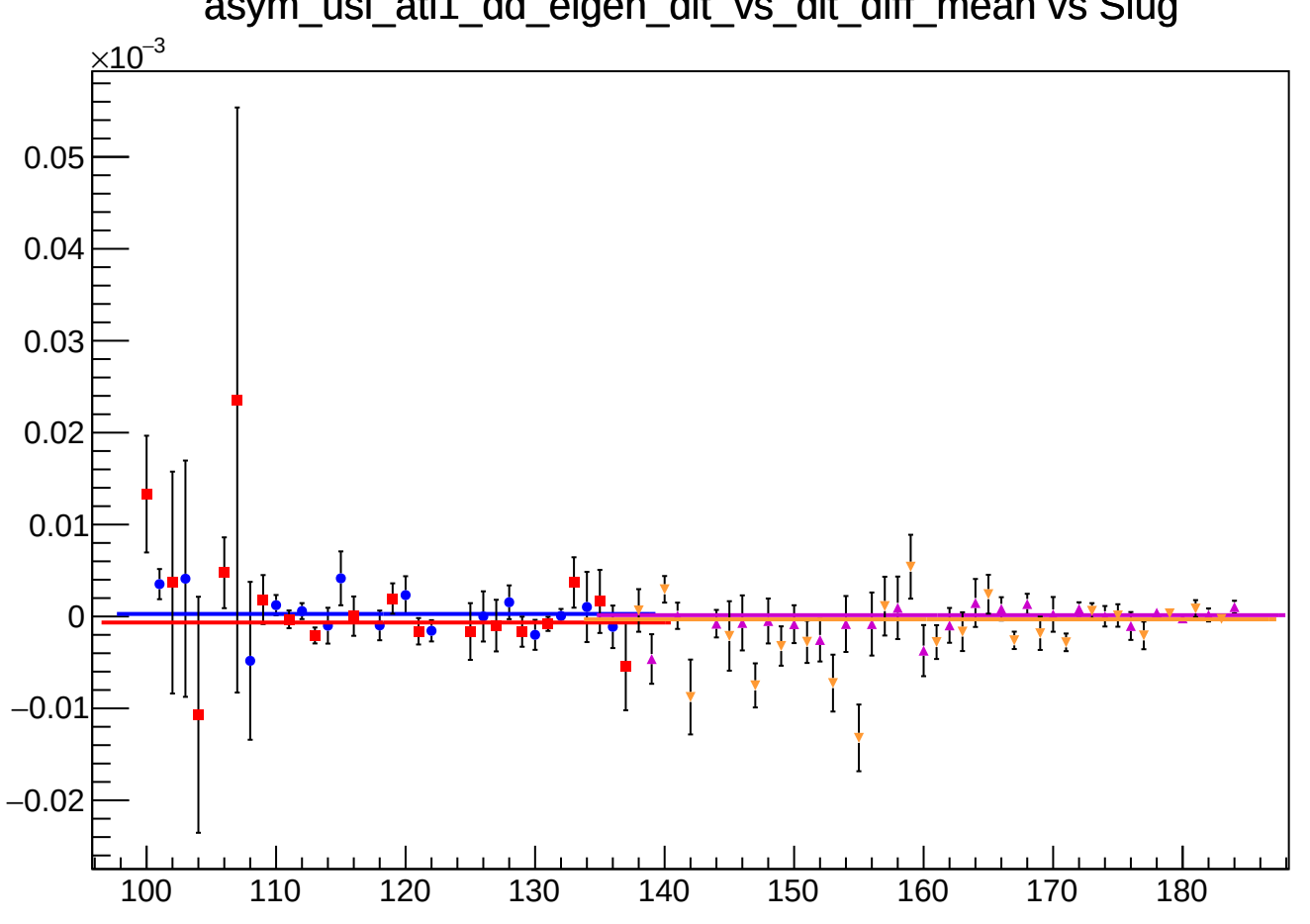
120
130
140
150
160
170
180
Right In: 27.305+/-0.008 χ²/NDF: 1568329.0/15
Left Out: 22.269+/-0.004 χ²/NDF:728360.8/22
Right Out: 26.400+/-0.009 χ²/NDF: 2614691.8/17
Left In: 21.099+/-0.004 χ²/NDF:819255.8/22
+ sign 23.254+/-0.004 χ²/NDF: 2602093.9/38
All: 22.614+/-0.003 χ²/NDF: 6419303.2/79
- sign 22.007+/-0.004 χ²/NDF: 3756158.0/40



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

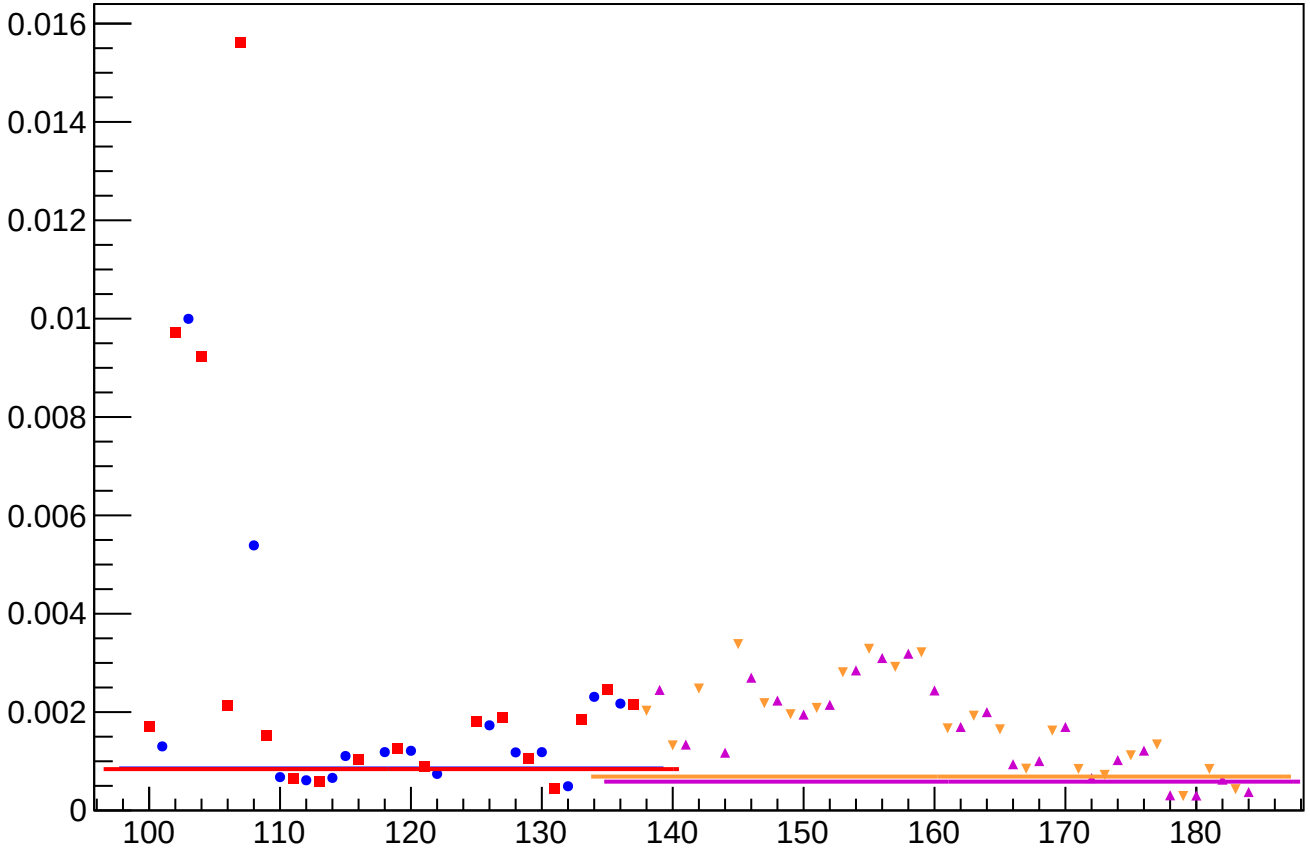
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.1/38

All: -0.000+/-0.000 χ^2/NDF: 121.3/79

- sign -0.000+/-0.000 χ^2/NDF: 36.8/40

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

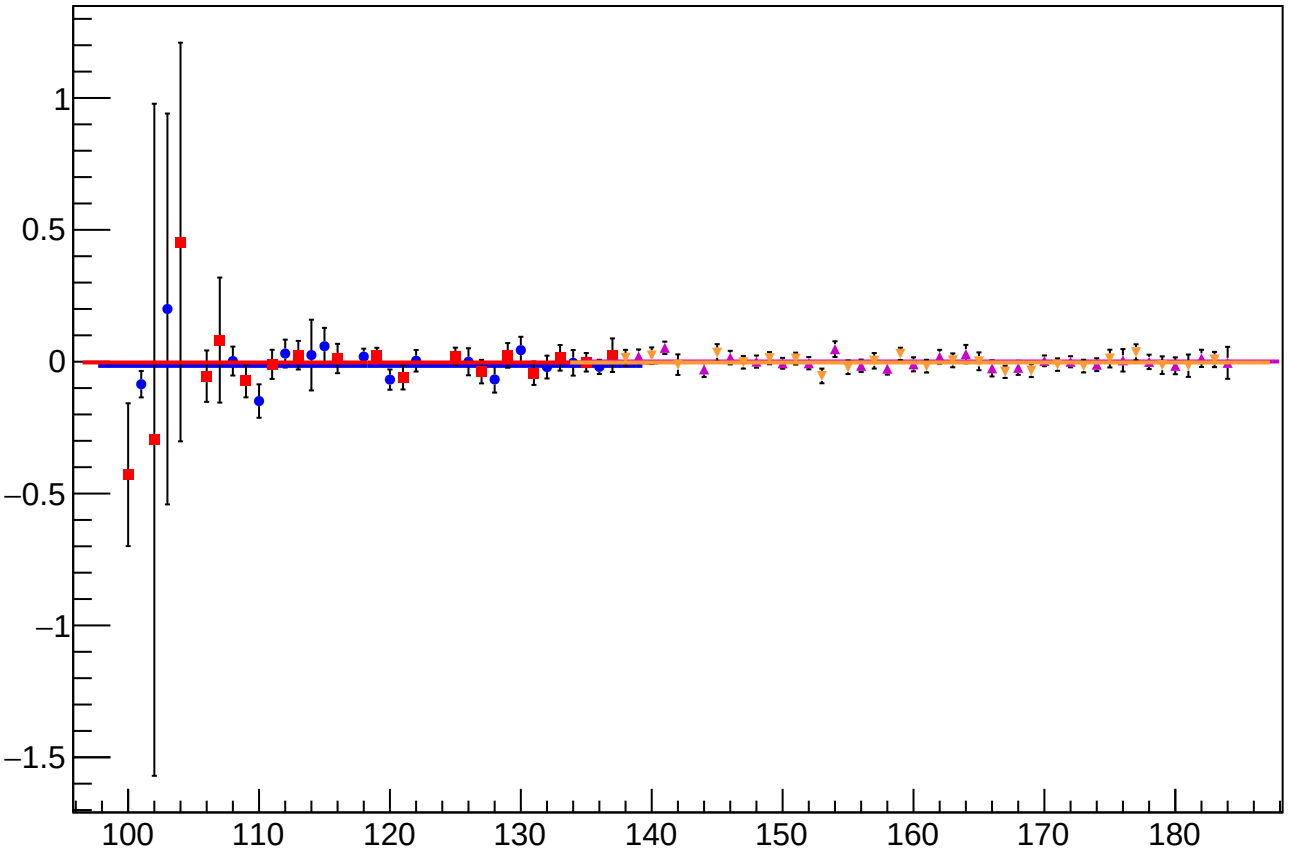
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 19266132.0/38

All: 0.001+/-0.000 χ^2/NDF: 40929334.8/79

- sign 0.001+/-0.000 χ^2/NDF: 21366572.2/40



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:16.1/22

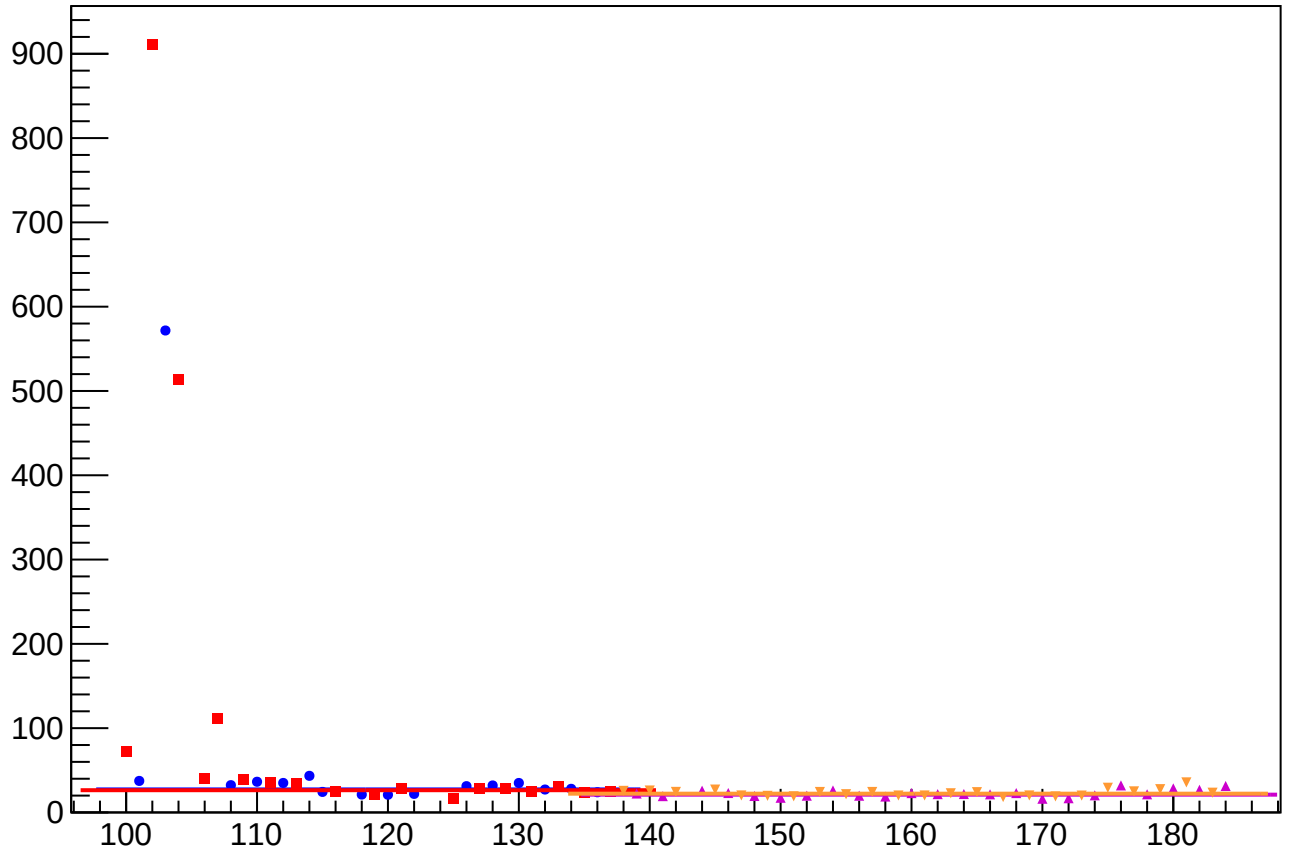
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 31.7/38

All: -0.003+/-0.004 χ^2/NDF: 57.2/79

- sign 0.000+/-0.005 χ^2/NDF: 24.9/40



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.269+/-0.004 χ^2/NDF:728331.6/22

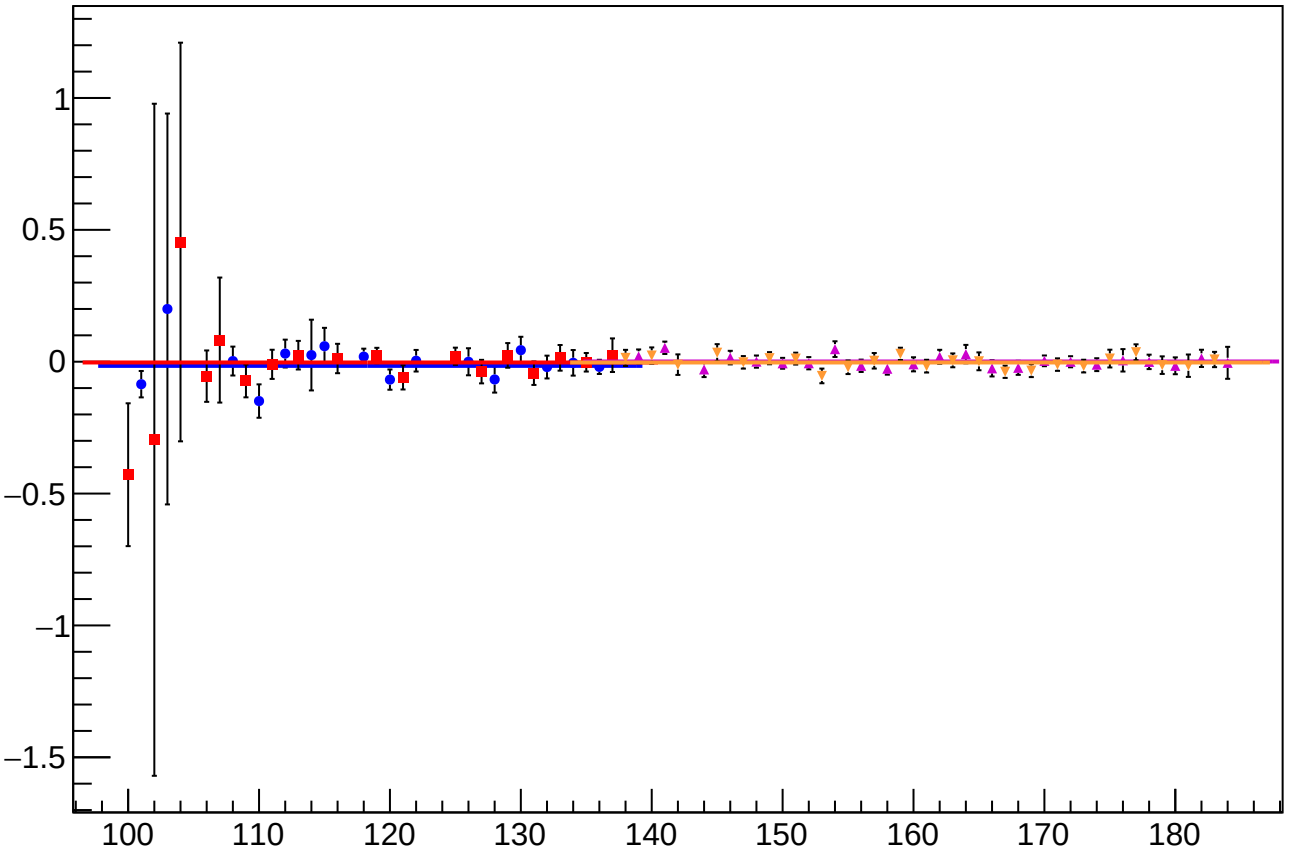
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 23.253+/-0.004 χ^2/NDF: 2602067.3/38

All: 22.614+/-0.003 χ^2/NDF: 6419309.5/79

\- sign 22.007+/-0.004 χ^2/NDF: 3756192.9/40



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

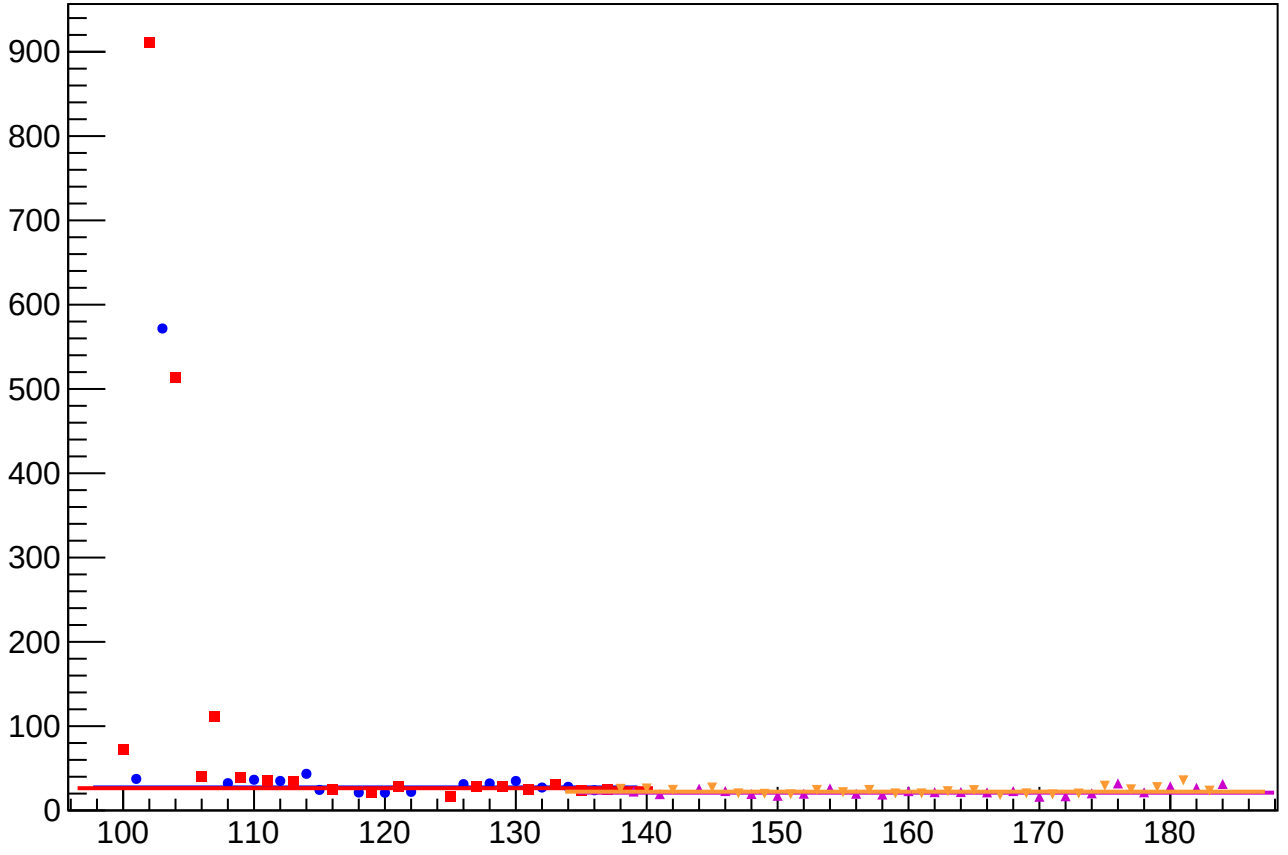
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 31.7/38

All: -0.003+/-0.004 χ^2/NDF: 57.2/79

- sign 0.000+/-0.005 χ^2/NDF: 24.9/40

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.269+/-0.004 χ^2/NDF:728331.6/22

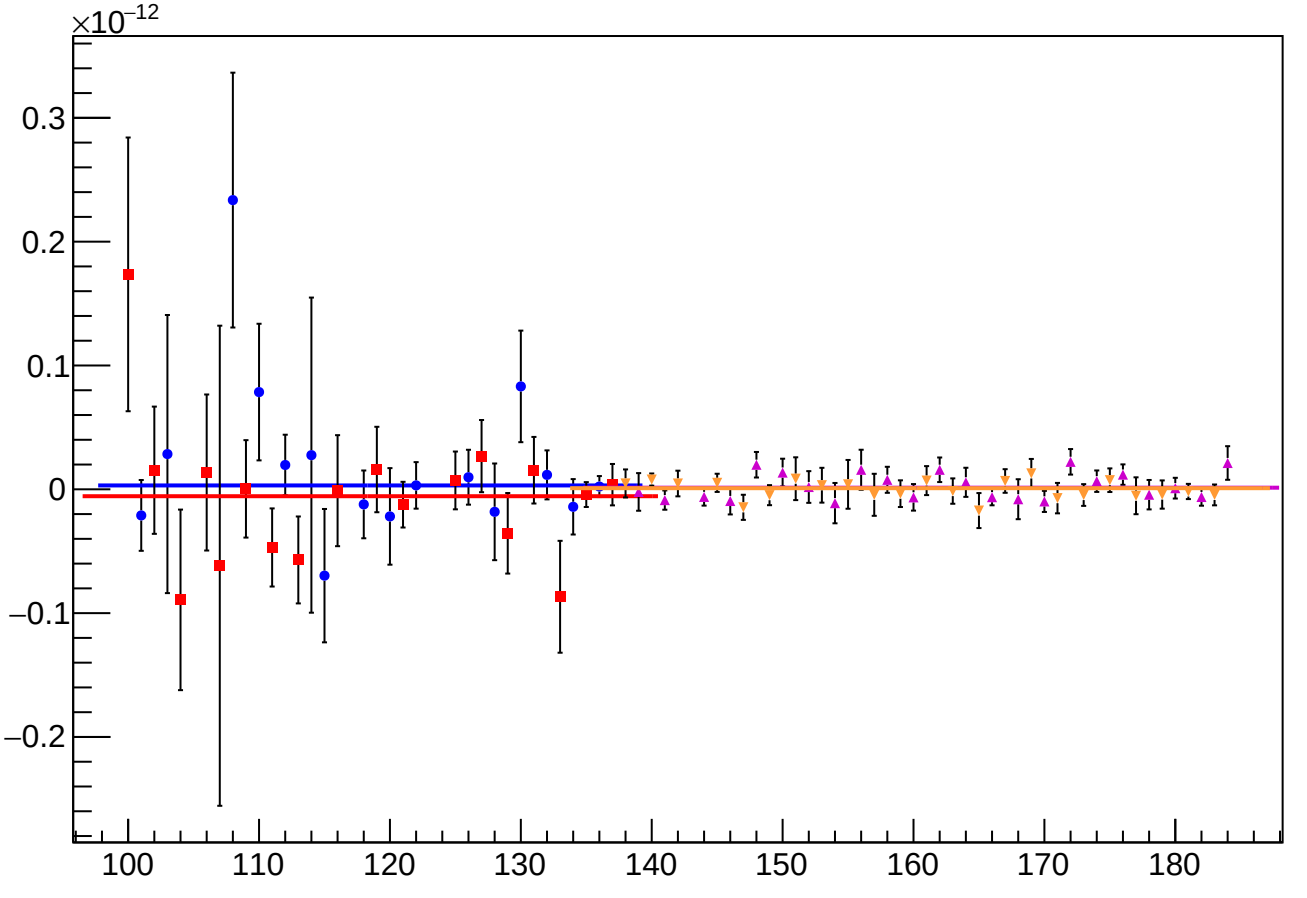
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.253+/-0.004 χ^2/NDF: 2602067.3/38

All: 22.614+/-0.003 χ^2/NDF: 6419309.5/79

- sign 22.007+/-0.004 χ^2/NDF: 3756192.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/22

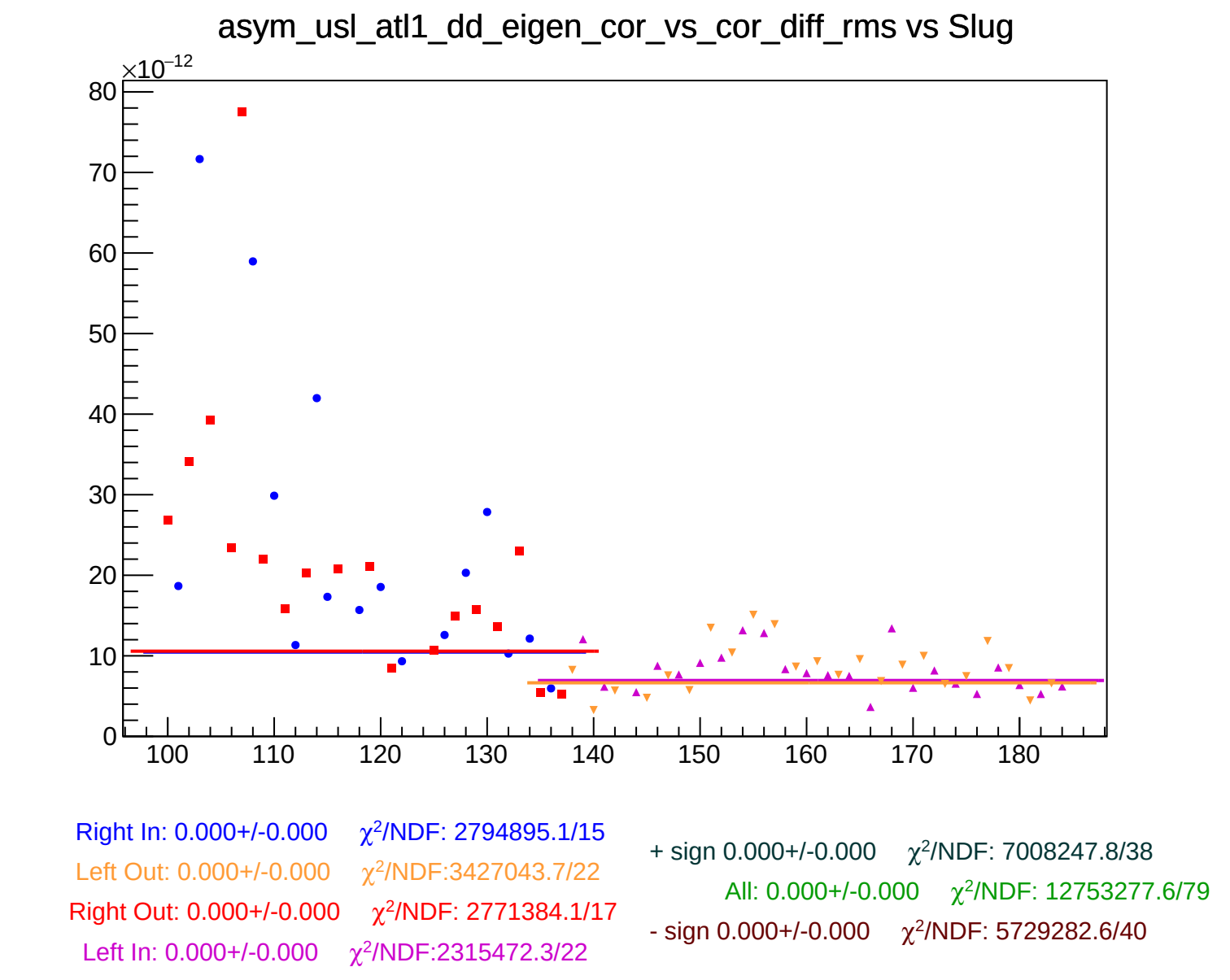
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 26.7/38

All: 0.000+/-0.000 χ^2/NDF: 68.9/79

- sign 0.000+/-0.000 χ^2/NDF: 42.2/40


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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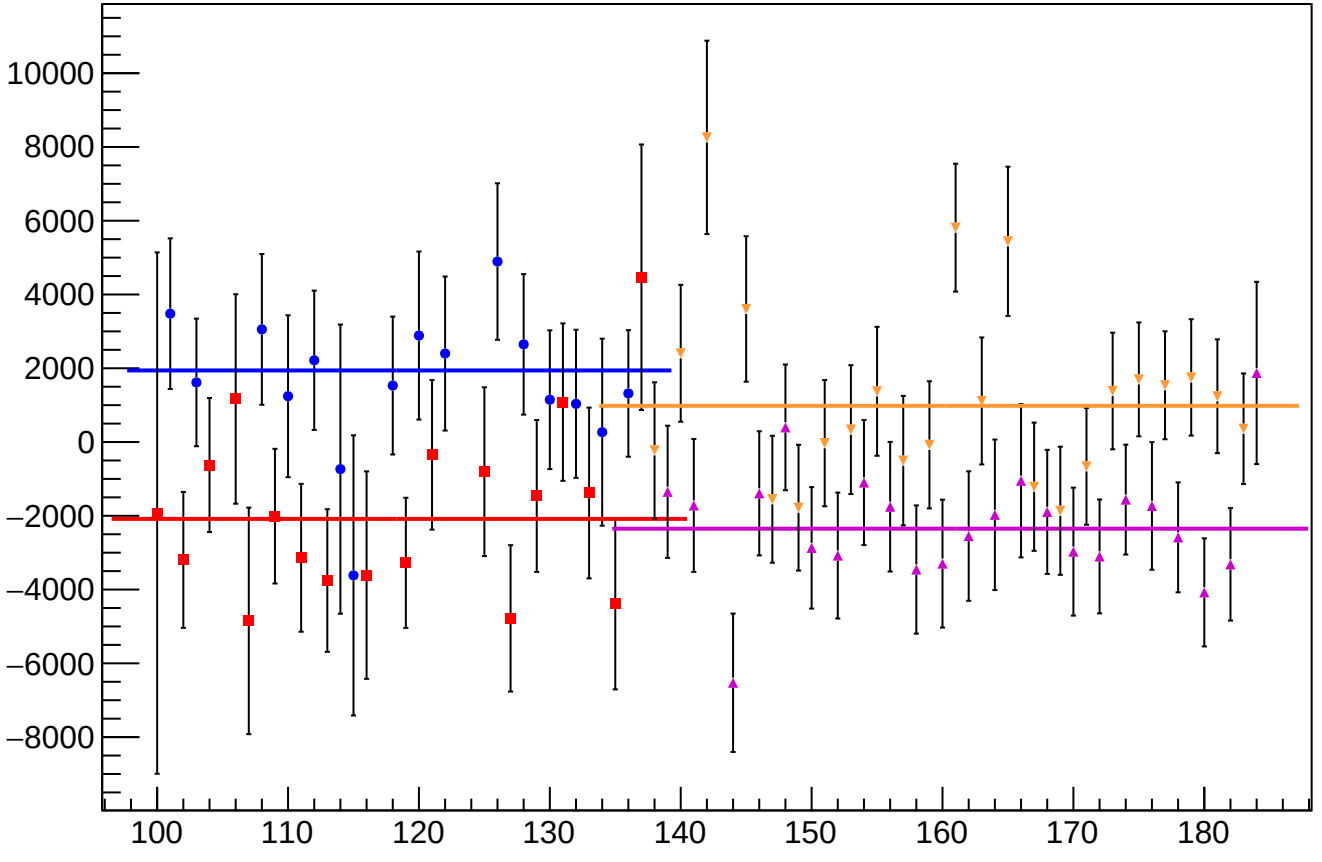
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3427043.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2315472.3/22
+ sign 0.000+/-0.000 χ²/NDF: 7008247.8/38
All: 0.000+/-0.000 χ²/NDF: 12753277.6/79
- sign 0.000+/-0.000 χ²/NDF: 5729282.6/40

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

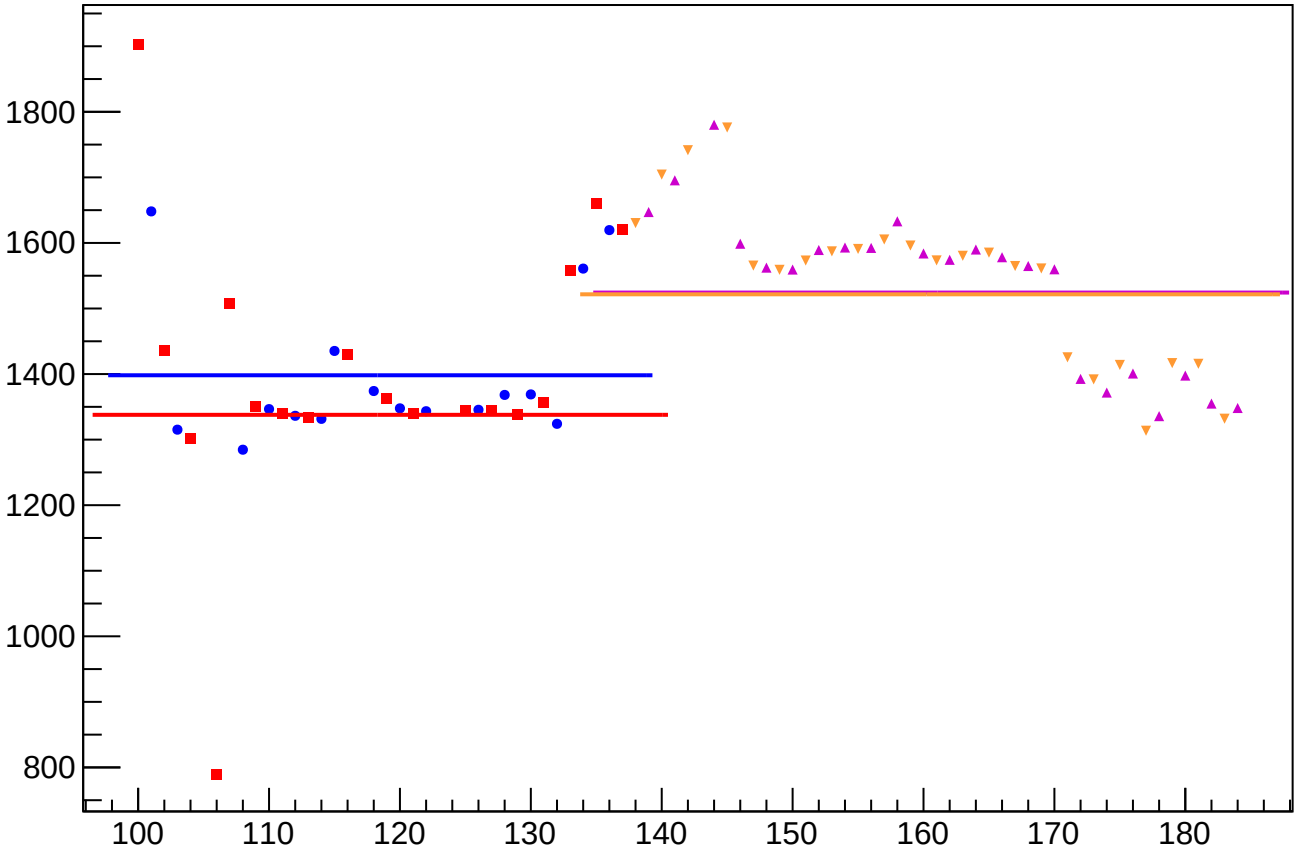
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1287.236+/-294.601 χ^2/NDF: 45.0/38

All: -490.385+/-208.200 χ^2/NDF: 148.3/79

- sign -2264.107+/-294.277 χ^2/NDF: 30.6/40

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

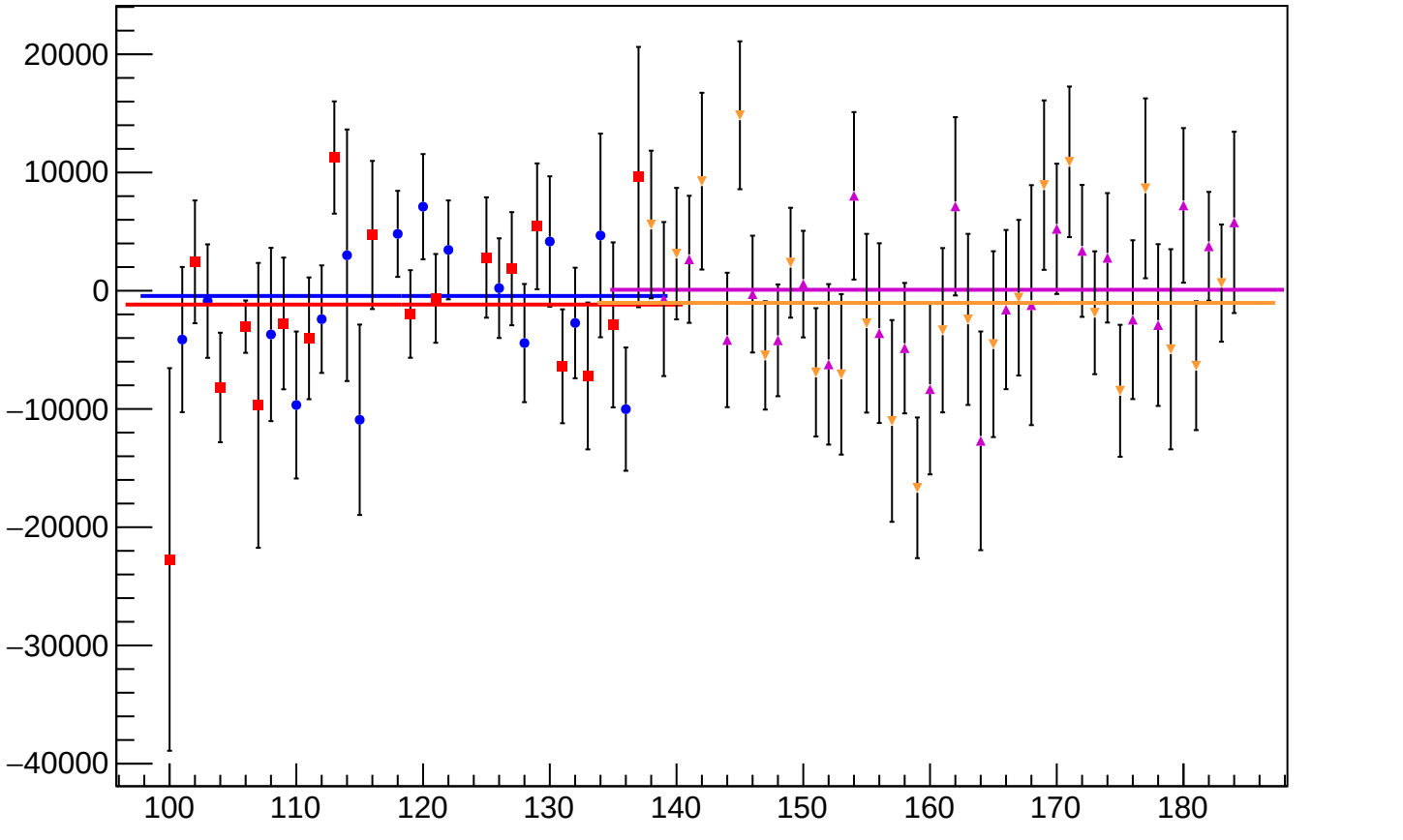
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1482.342+/-0.208 χ^2/NDF: 391789.4/38

All: 1471.992+/-0.146 χ^2/NDF: 1121406.5/79

- sign 1461.879+/-0.206 χ^2/NDF: 724736.8/40



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

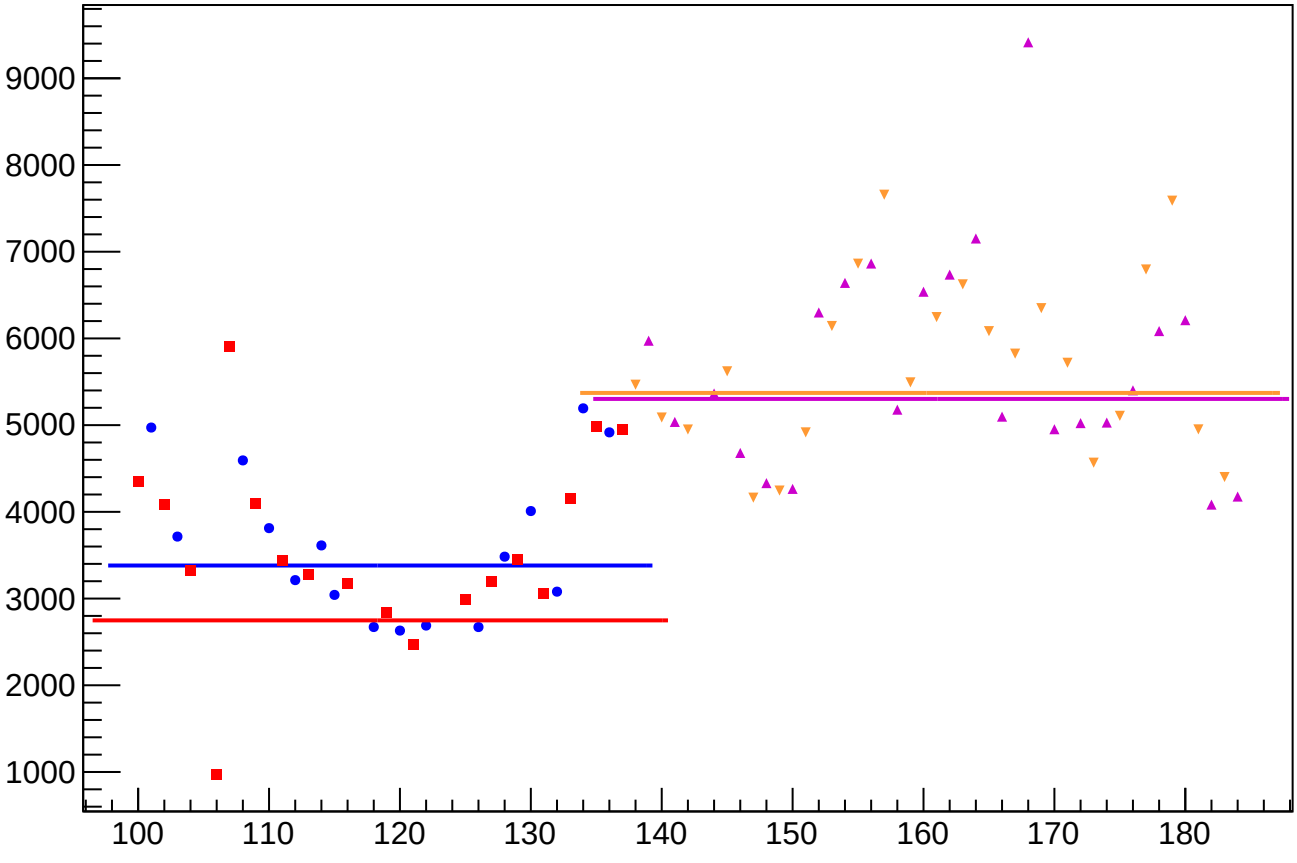
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

\+ sign -737.820+/-911.414 χ^2/NDF: 48.3/38

All: -674.524+/-617.006 χ^2/NDF: 81.7/79

\- sign -620.973+/-838.317 χ^2/NDF: 33.4/40

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

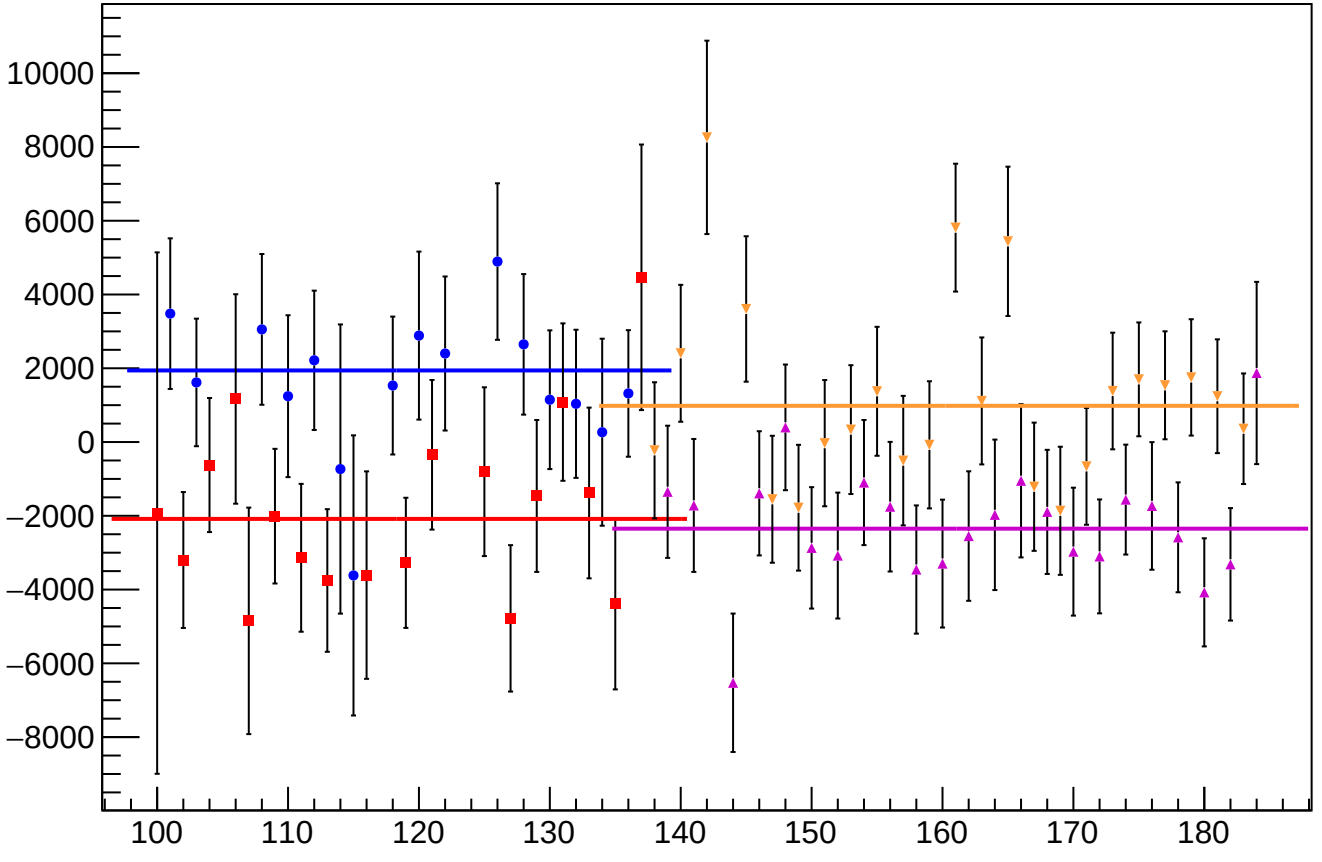
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4387.003+/-0.644 χ^2/NDF: 4183820.1/38

All: 4107.555+/-0.436 χ^2/NDF: 12624305.1/7

- sign 3871.133+/-0.593 χ^2/NDF: 8093395.4/40

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

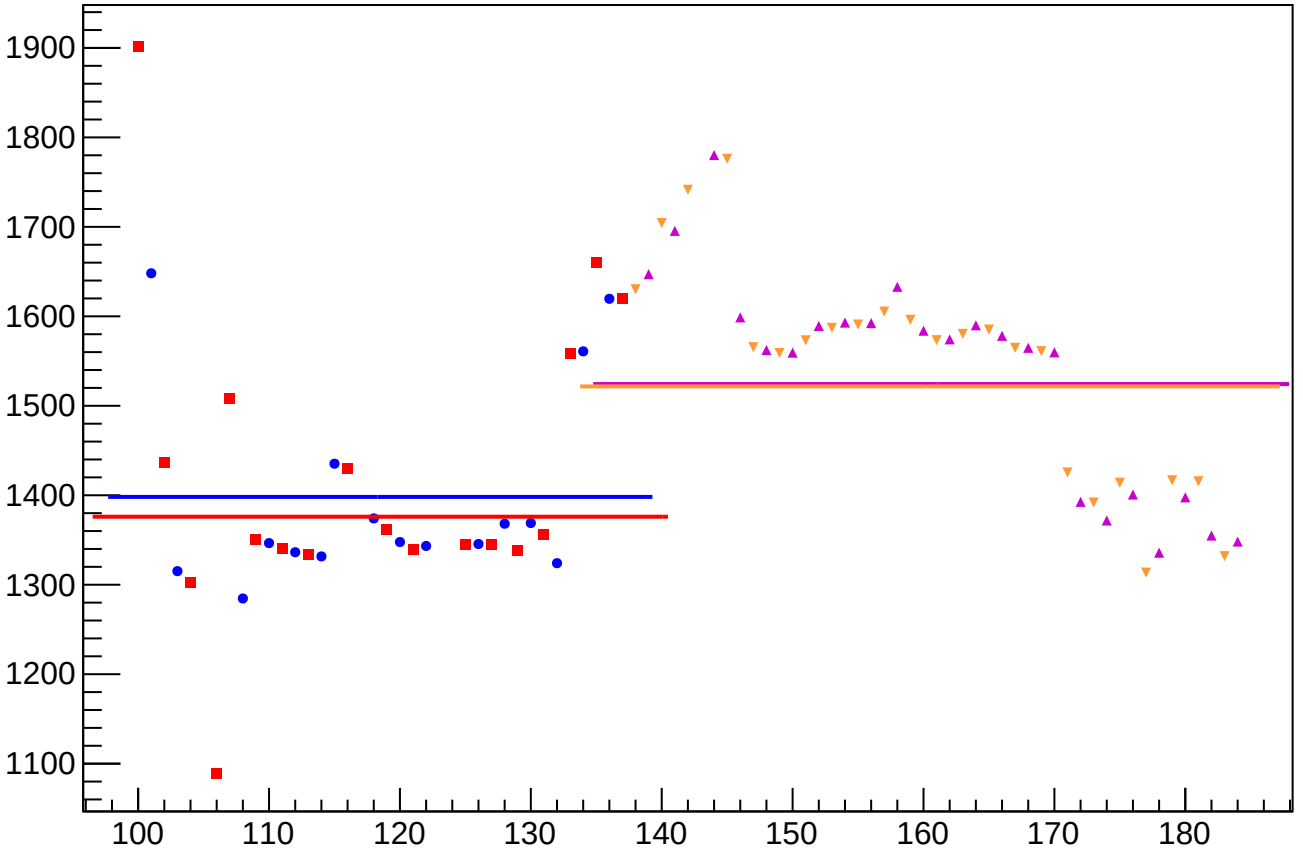
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1287.269+/-294.601 χ^2/NDF: 45.0/38

All: -490.398+/-208.200 χ^2/NDF: 148.3/79

- sign -2264.174+/-294.278 χ^2/NDF: 30.6/40

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

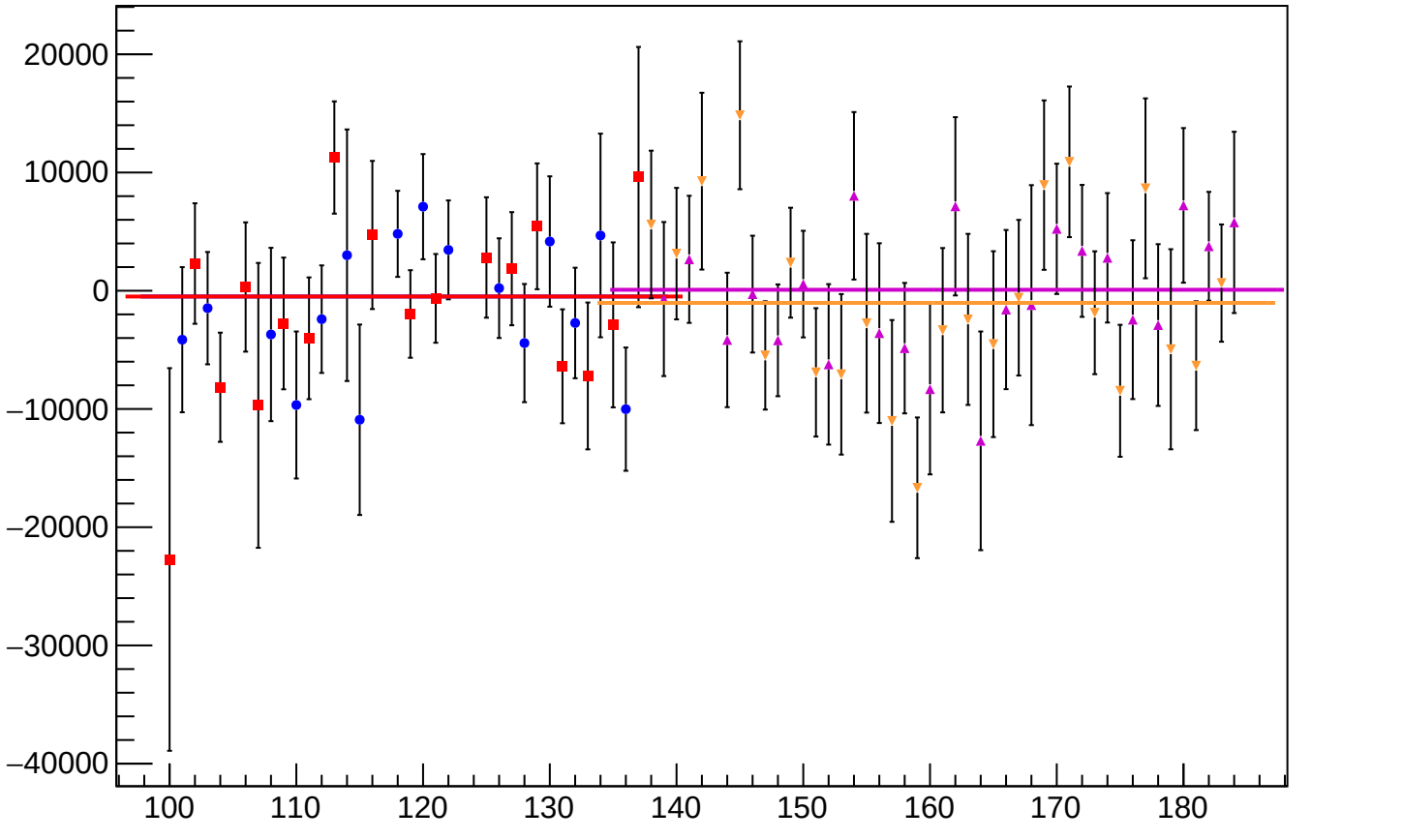
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1482.342+/-0.208 χ^2/NDF: 391789.5/38

All: 1479.092+/-0.147 χ^2/NDF: 843303.9/79

- sign 1475.877+/-0.207 χ^2/NDF: 451030.1/40



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

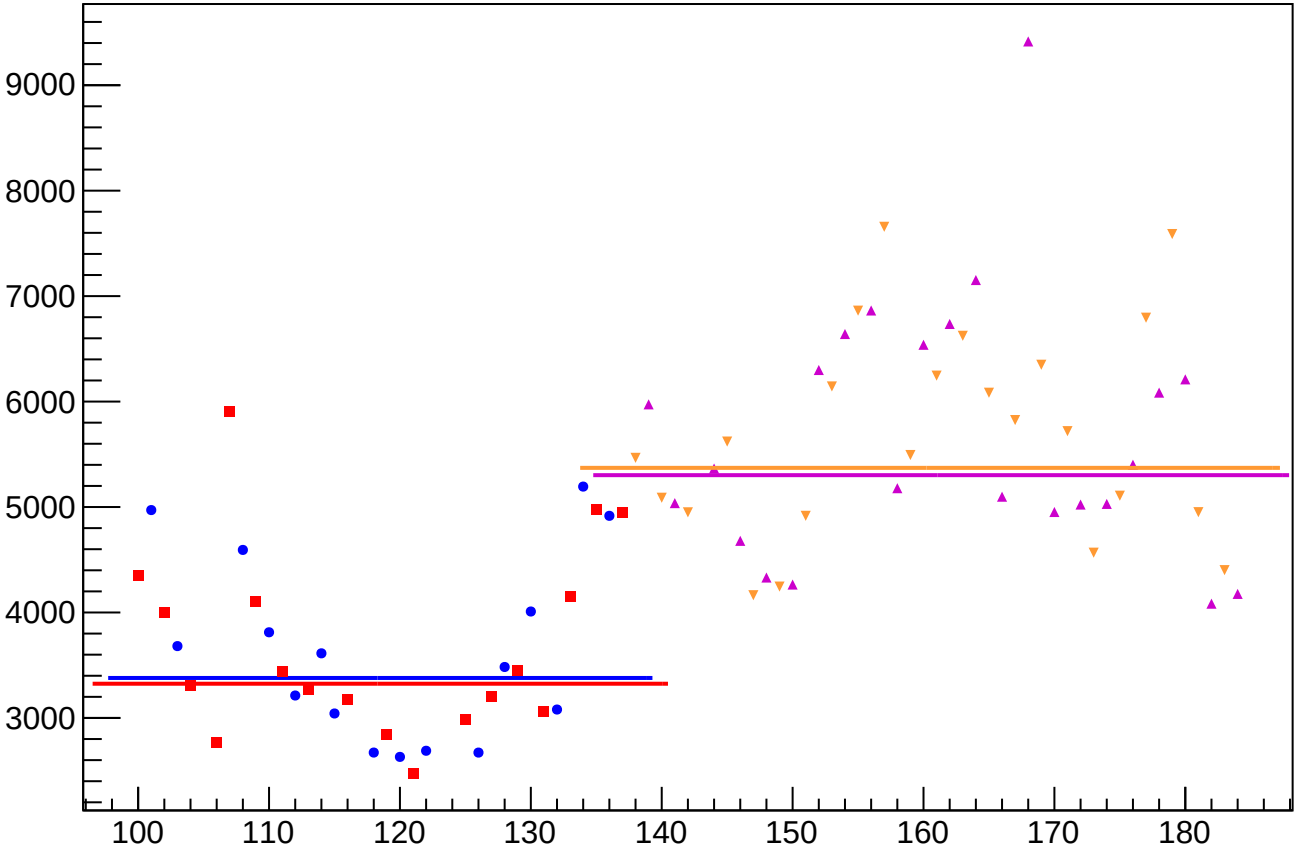
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -760.081+/-911.071 χ^2/NDF: 48.3/38

All: -476.776+/-637.720 χ^2/NDF: 80.5/79

- sign -204.631+/-892.947 χ^2/NDF: 32.0/40

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

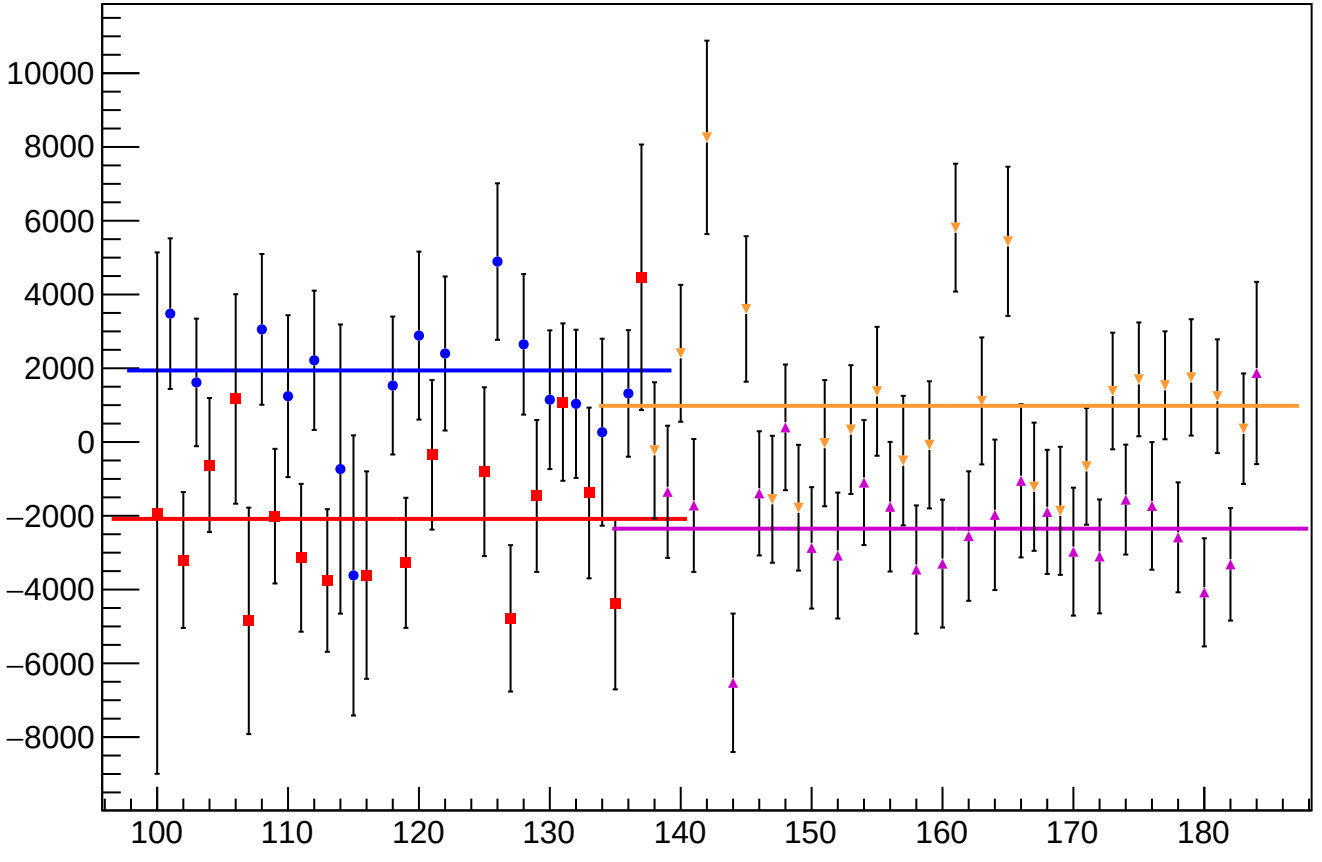
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4385.254+/-0.644 χ^2/NDF: 4188666.2/38

All: 4347.359+/-0.451 χ^2/NDF: 8448314.9/79

- sign 4310.956+/-0.631 χ^2/NDF: 4252864.6/40

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

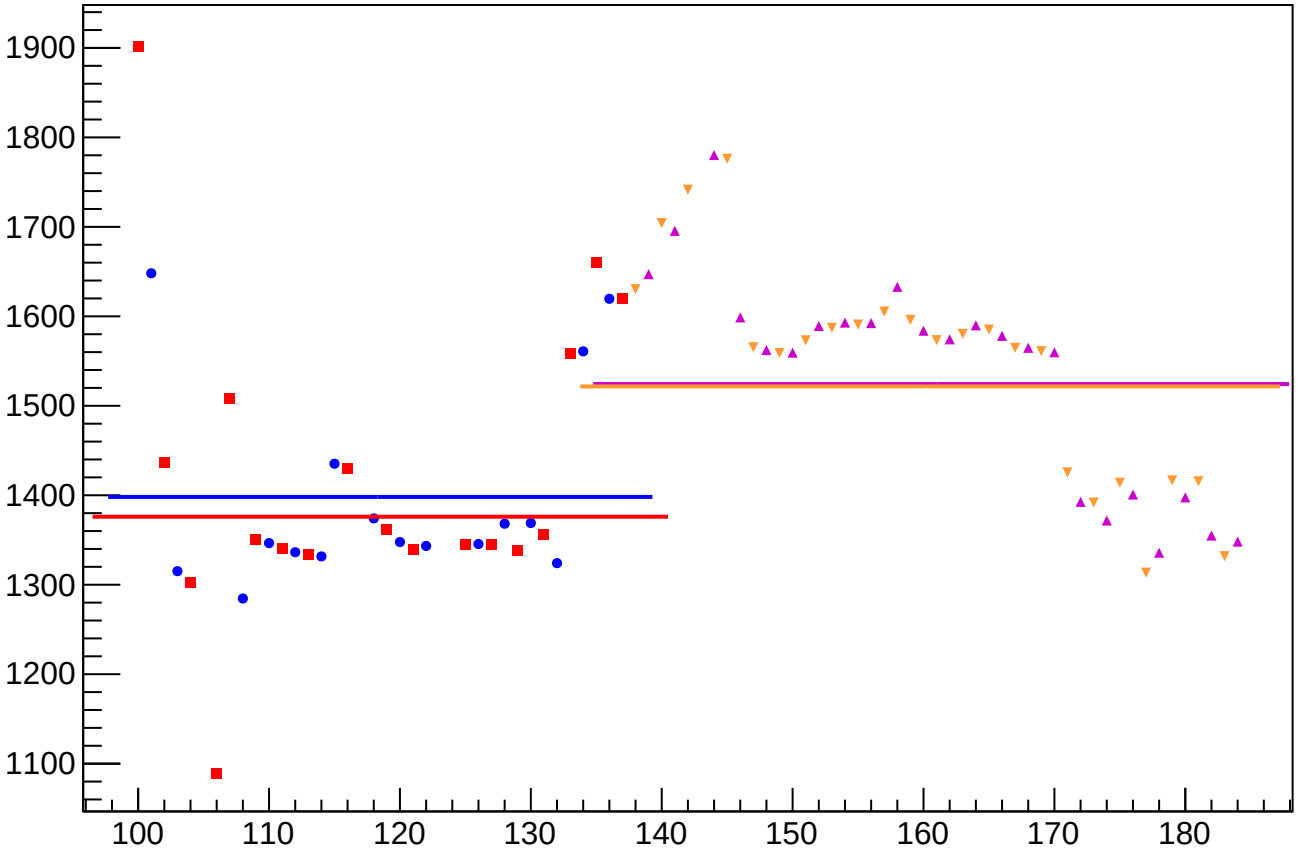
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1287.269+/-294.601 χ^2/NDF: 45.0/38

All: -490.398+/-208.200 χ^2/NDF: 148.3/79

- sign -2264.174+/-294.278 χ^2/NDF: 30.6/40

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

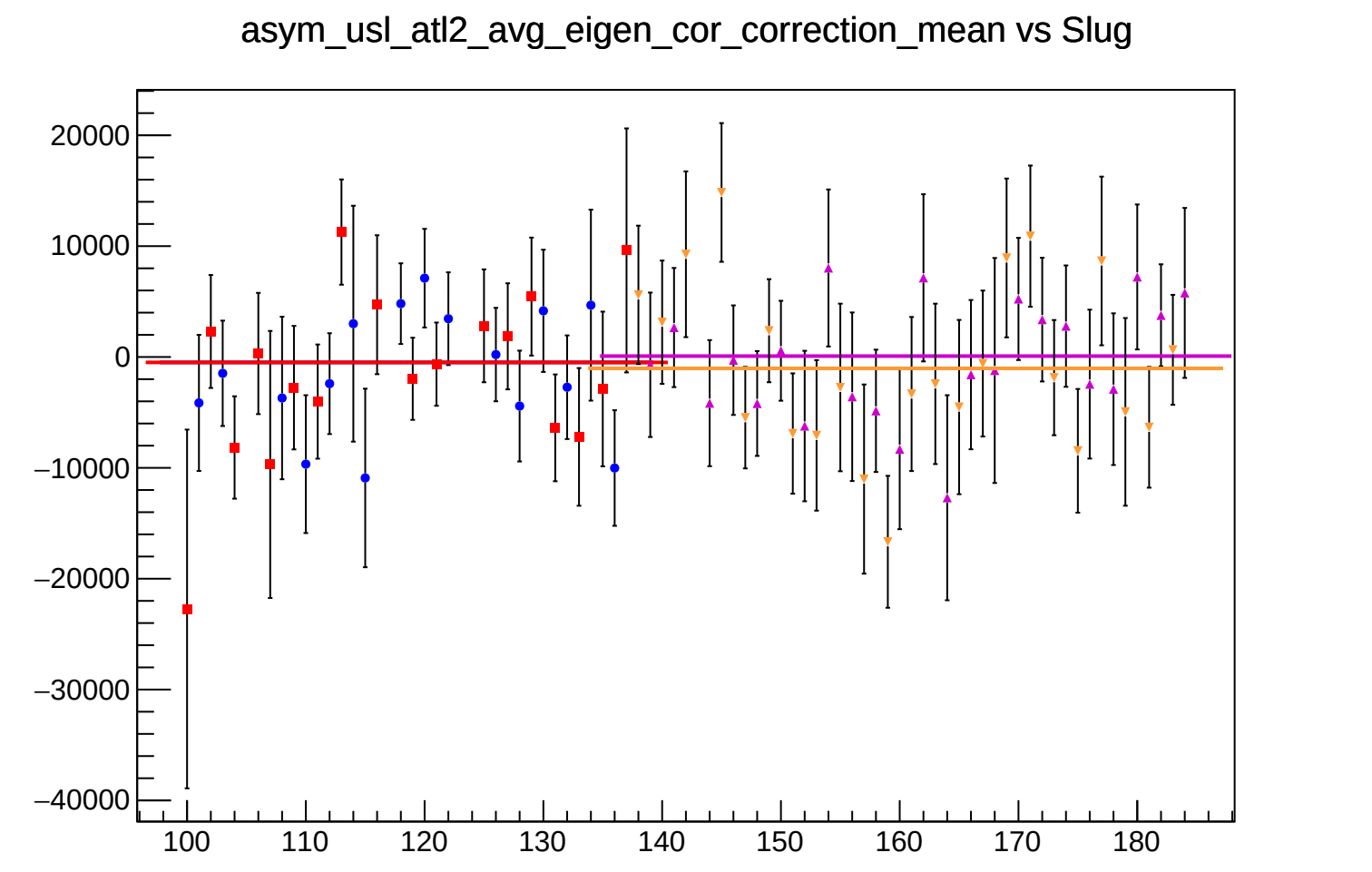
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1482.342+/-0.208 χ^2/NDF: 391789.5/38

All: 1479.092+/-0.147 χ^2/NDF: 843303.9/79

- sign 1475.877+/-0.207 χ^2/NDF: 451030.1/40



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

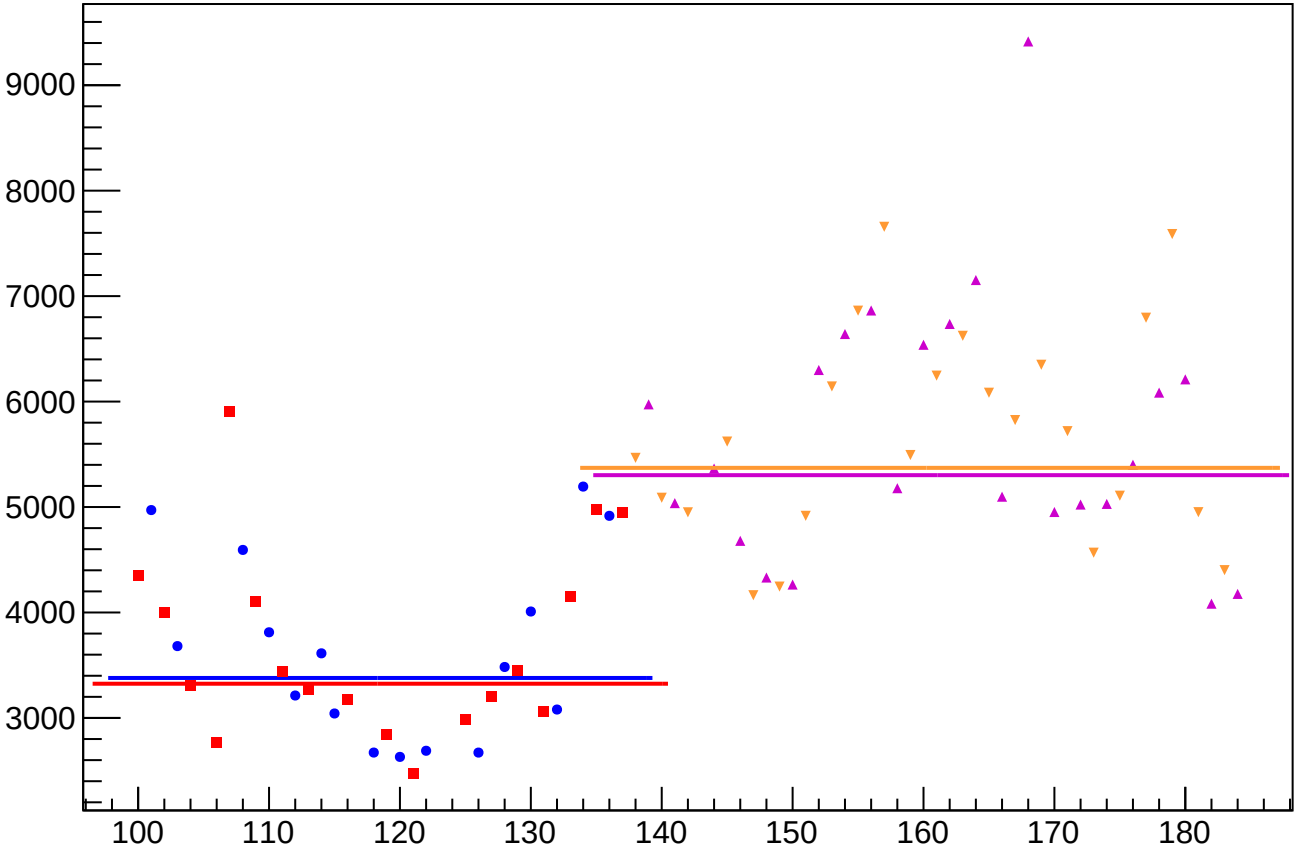
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -760.081+/-911.071 χ^2/NDF: 48.3/38

All: -476.776+/-637.720 χ^2/NDF: 80.5/79

- sign -204.631+/-892.947 χ^2/NDF: 32.0/40

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

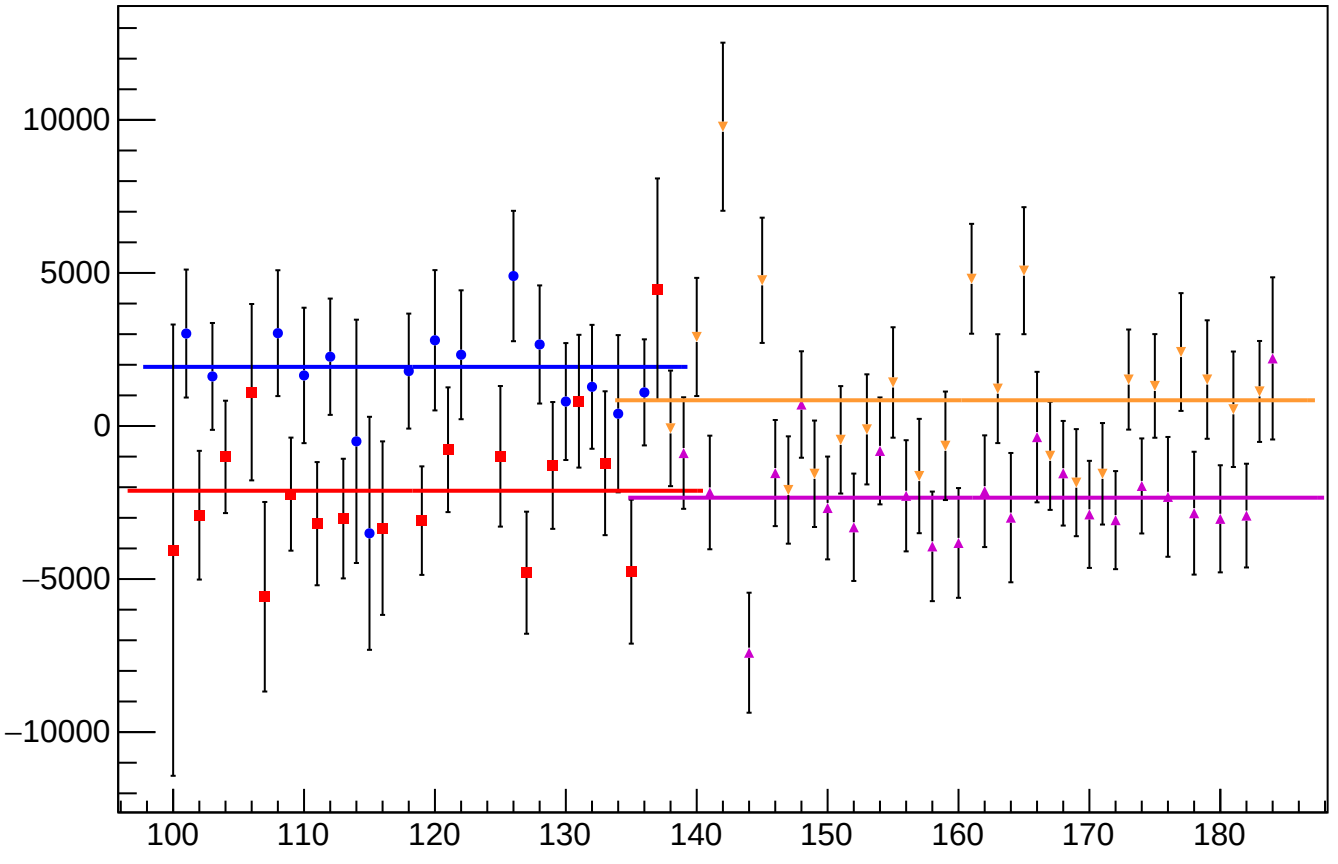
Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4385.254+/-0.644 χ^2/NDF: 4188666.2/38

All: 4347.359+/-0.451 χ^2/NDF: 8448314.9/79

- sign 4310.956+/-0.631 χ^2/NDF: 4252864.6/40



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

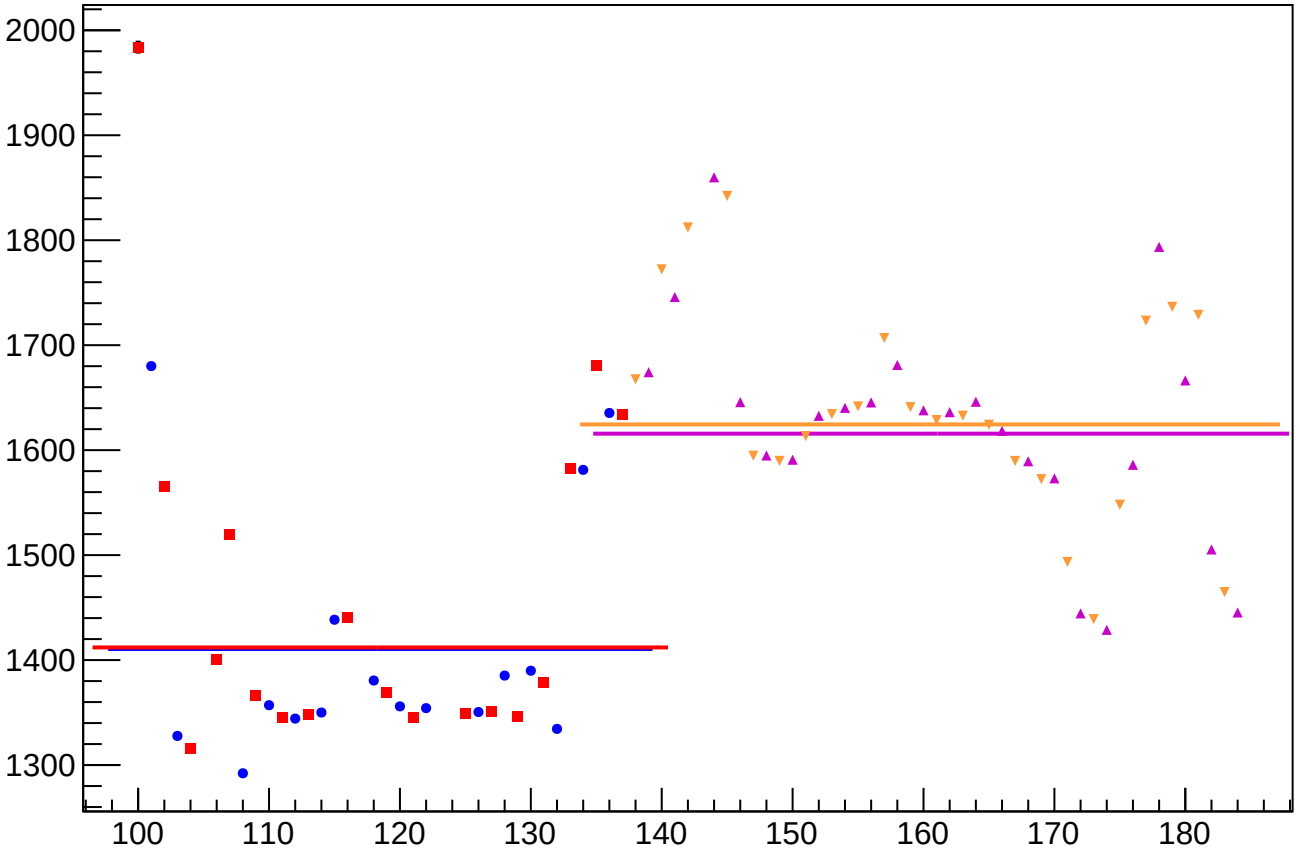
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1214.399+/-308.597 χ^2/NDF: 48.6/38

All: -531.314+/-217.849 χ^2/NDF: 143.8/79

- sign -2265.470+/-307.574 χ^2/NDF: 31.4/40

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

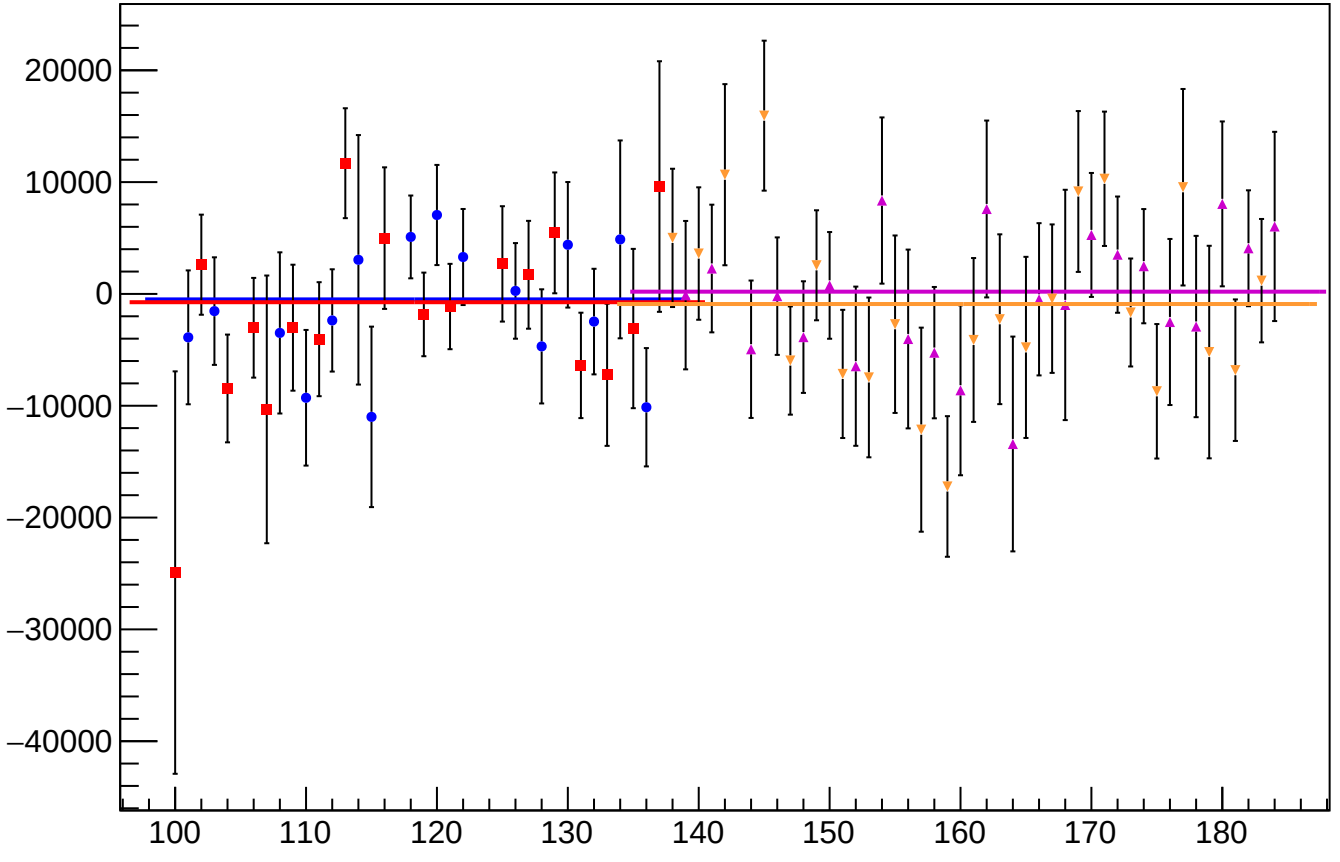
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

\+ sign 1551.201+/-0.218 χ^2/NDF: 447911.6/38

All: 1548.871+/-0.154 χ^2/NDF: 871965.8/79

\- sign 1546.562+/-0.217 χ^2/NDF: 423827.3/40

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

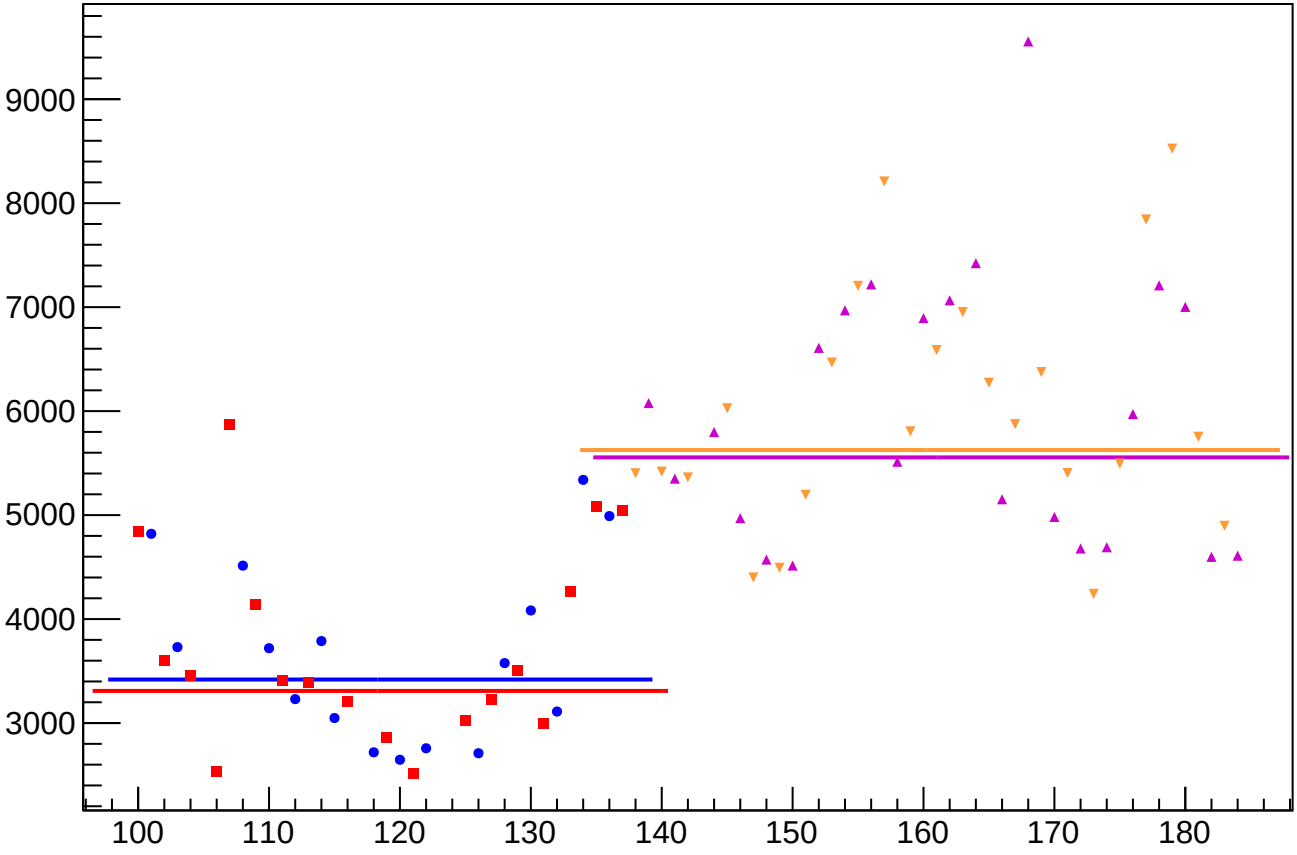
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

\+ sign -690.488+/-937.993 χ^2/NDF: 47.9/38

All: -488.085+/-652.706 χ^2/NDF: 80.3/79

\- sign -298.073+/-908.829 χ^2/NDF: 32.3/40

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

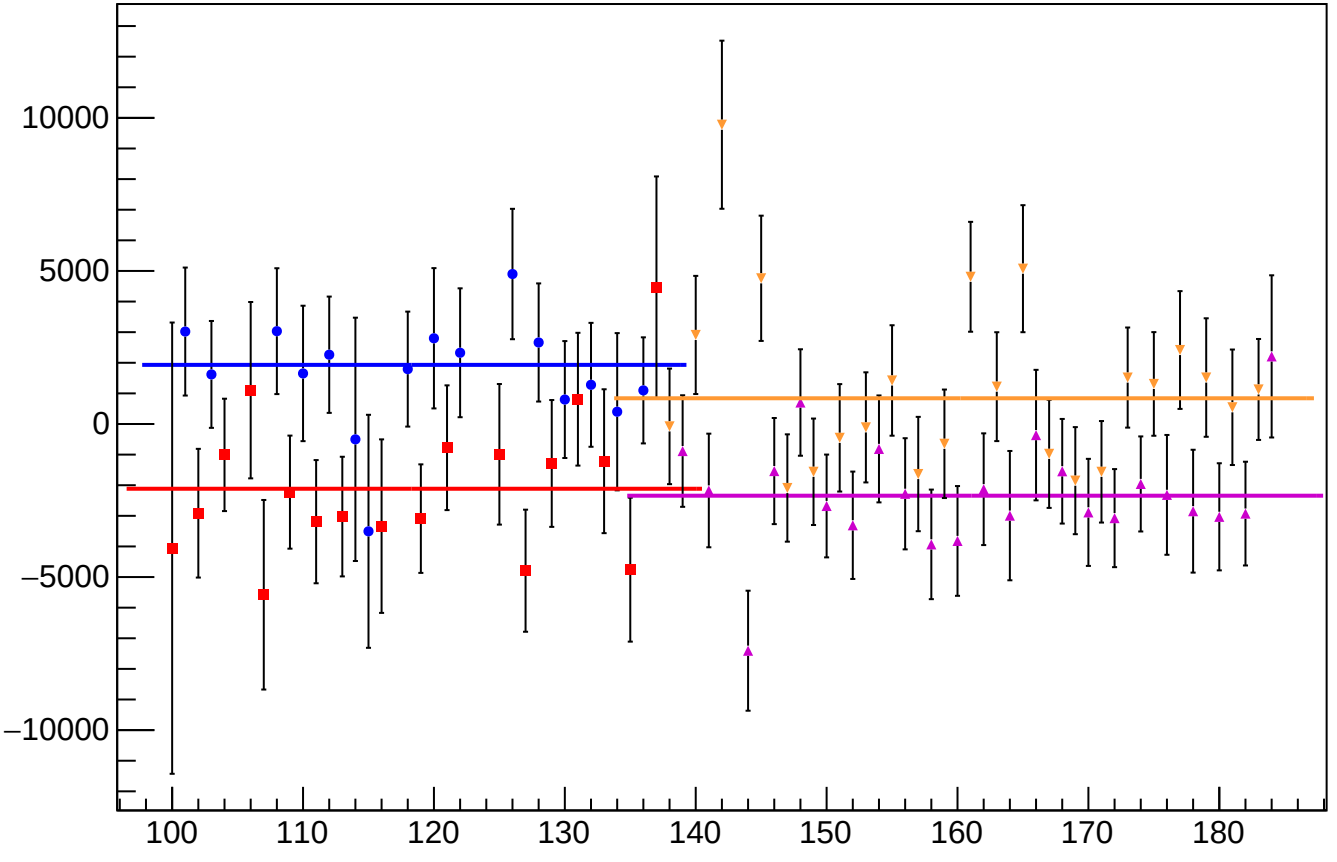
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4491.860+/-0.663 χ^2/NDF: 4665281.4/38

All: 4425.825+/-0.462 χ^2/NDF: 9631338.6/79

- sign 4363.833+/-0.643 χ^2/NDF: 4946839.4/40

eigen_dit_asym_usl_atl2_avg_mean vs Slug



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

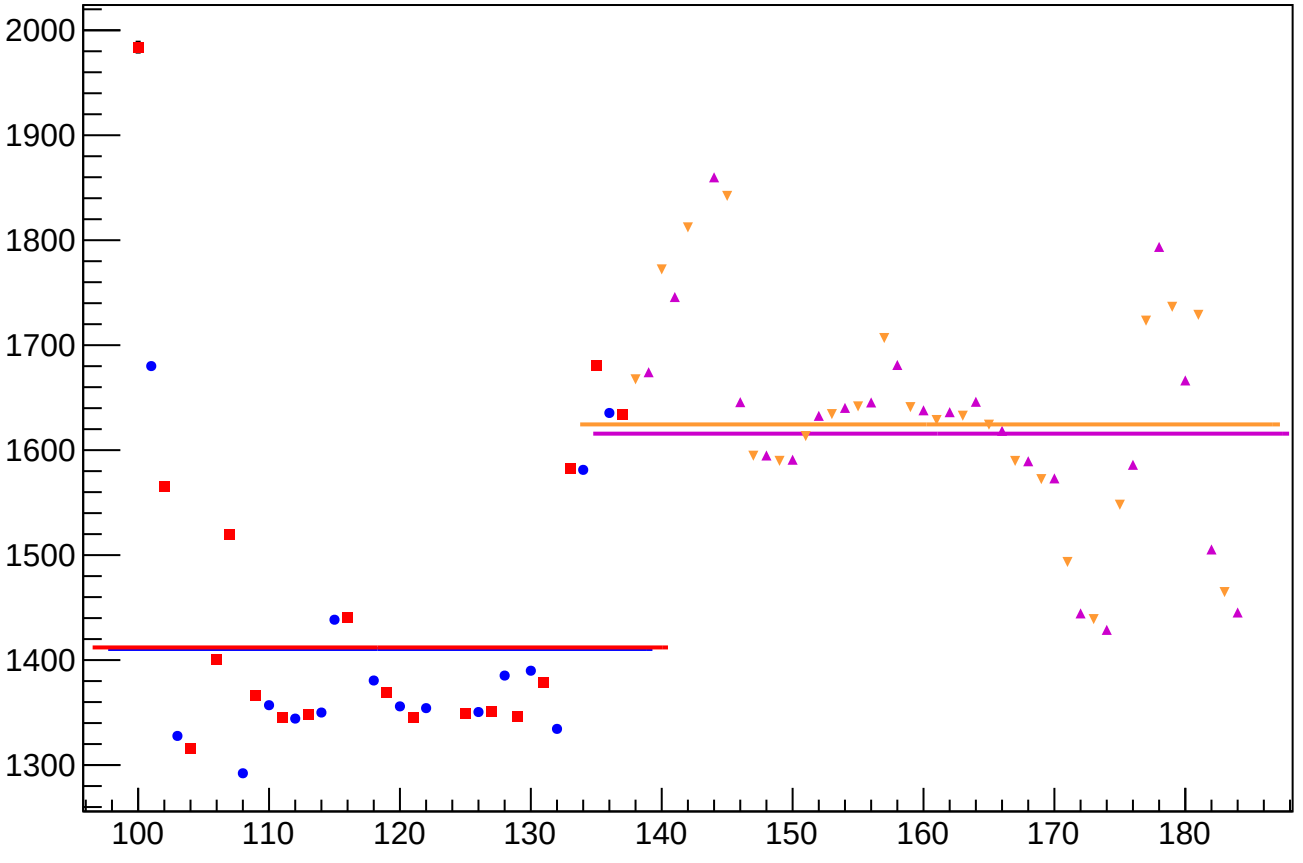
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1214.396+/-308.598 χ^2/NDF: 48.6/38

All: -531.315+/-217.849 χ^2/NDF: 143.8/79

- sign -2265.470+/-307.574 χ^2/NDF: 31.4/40

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

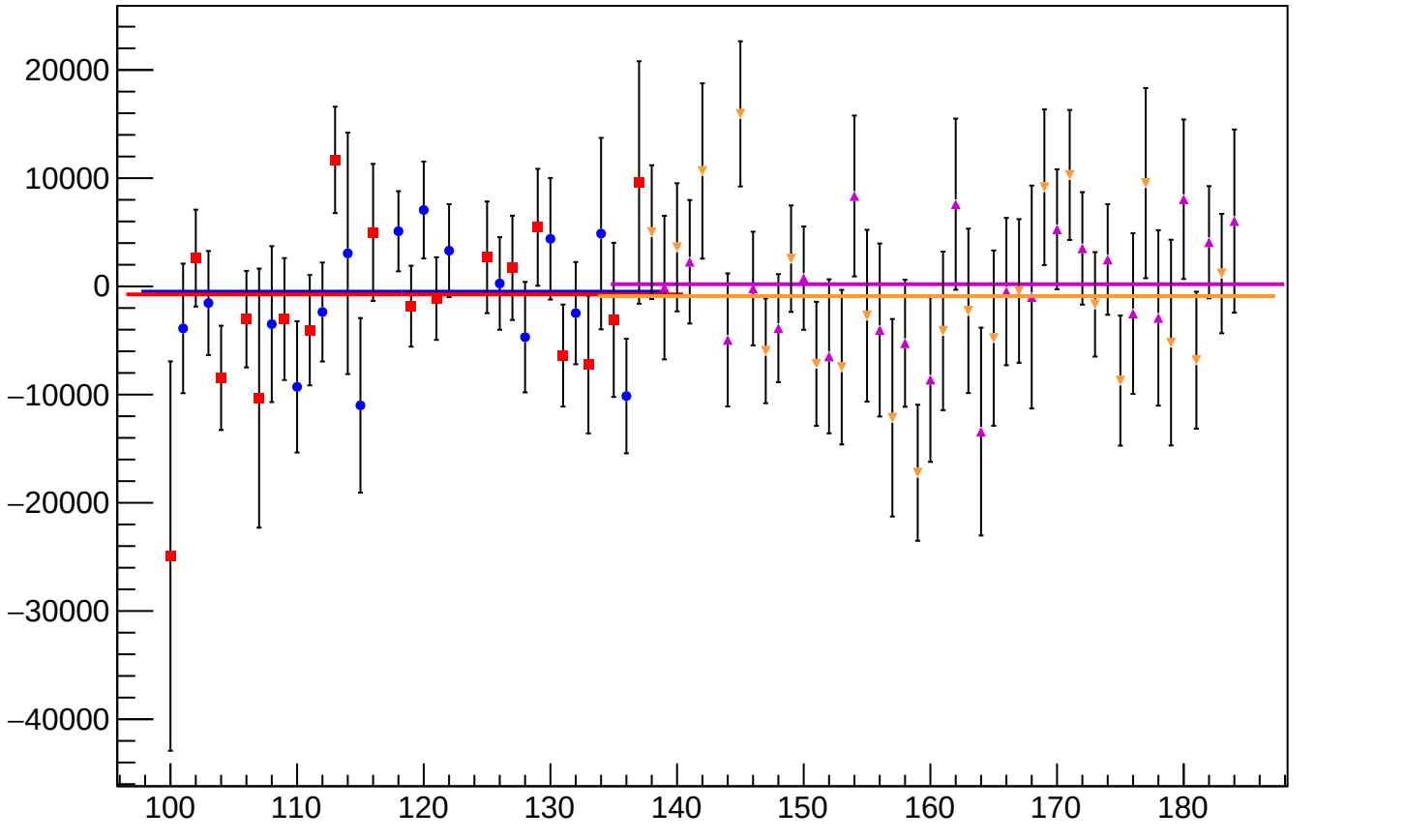
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1551.201+/-0.218 χ^2/NDF: 447919.0/38

All: 1548.872+/-0.154 χ^2/NDF: 871980.8/79

- sign 1546.563+/-0.217 χ^2/NDF: 423834.9/40



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -902.926+/-1345.106 χ^2/NDF:32.0/22

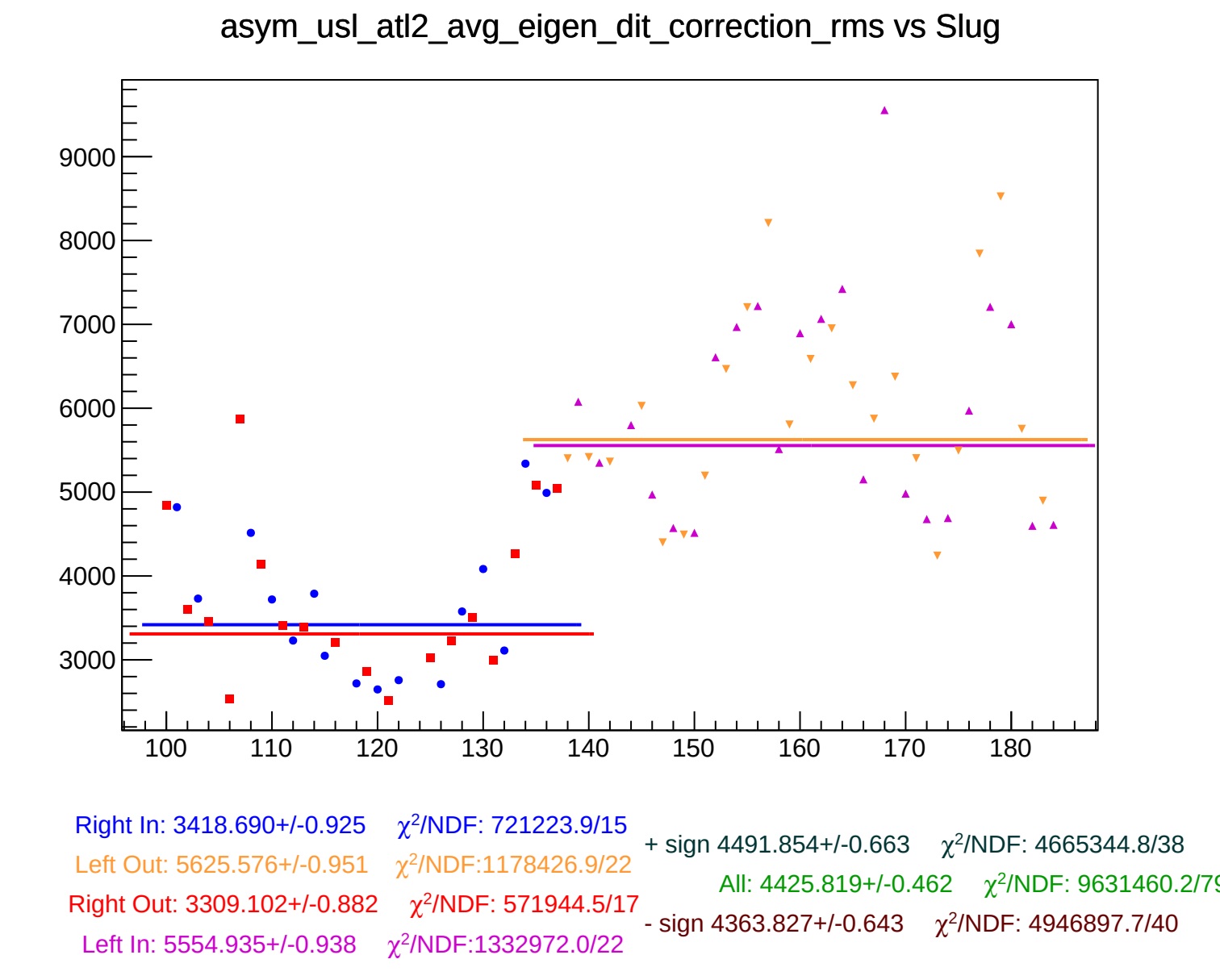
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

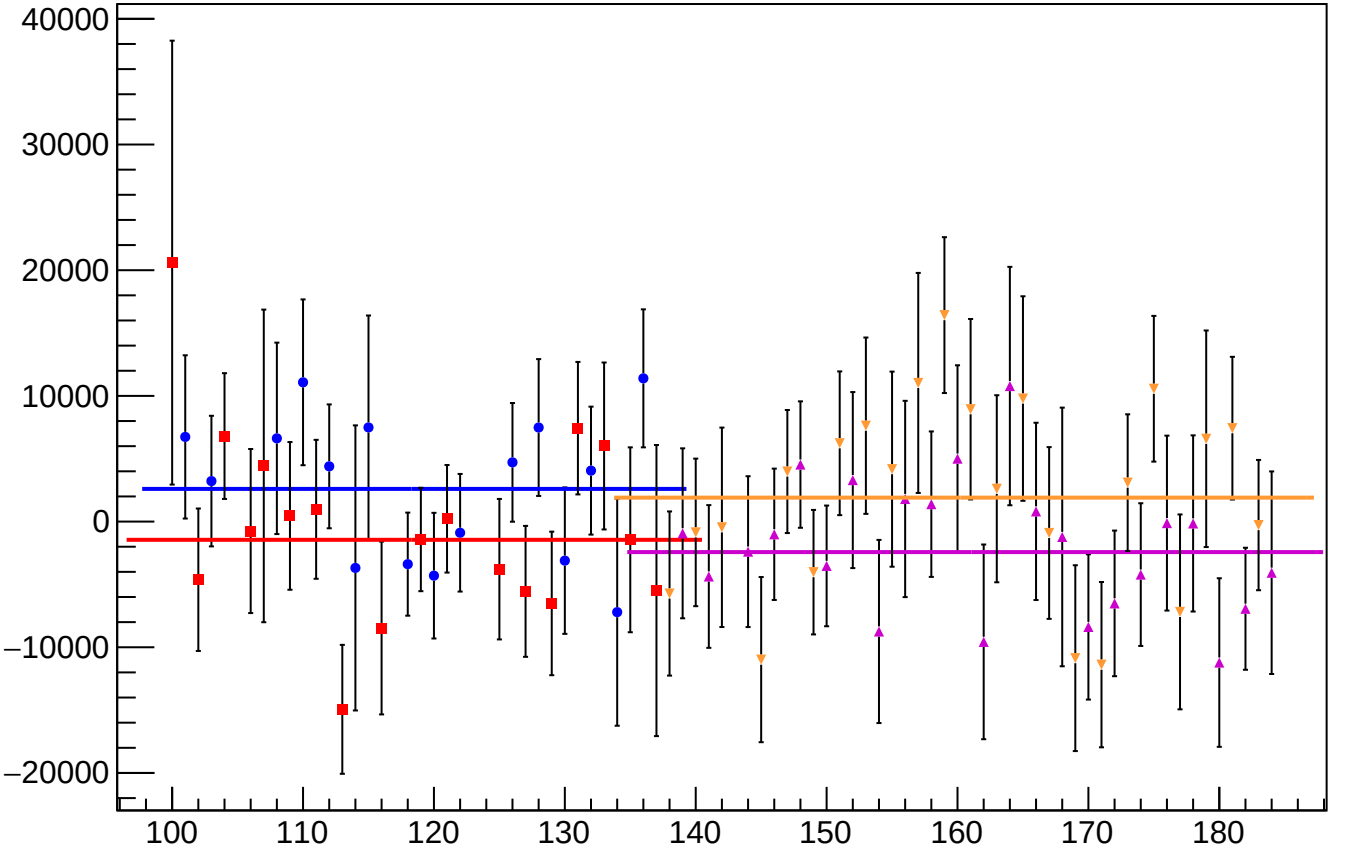
+ sign -690.487+/-937.993 χ^2/NDF: 47.9/38

All: -488.086+/-652.706 χ^2/NDF: 80.3/79

- sign -298.076+/-908.828 χ^2/NDF: 32.3/40


asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
Right In: 3418.690+/-0.925 χ²/NDF: 721223.9/15
Left Out: 5625.576+/-0.951 χ²/NDF:1178426.9/22
Right Out: 3309.102+/-0.882 χ²/NDF: 571944.5/17
Left In: 5554.935+/-0.938 χ²/NDF:1332972.0/22
+ sign 4491.854+/-0.663 χ²/NDF: 4665344.8/38
All: 4425.819+/-0.462 χ²/NDF: 9631460.2/79
- sign 4363.827+/-0.643 χ²/NDF: 4946897.7/40

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

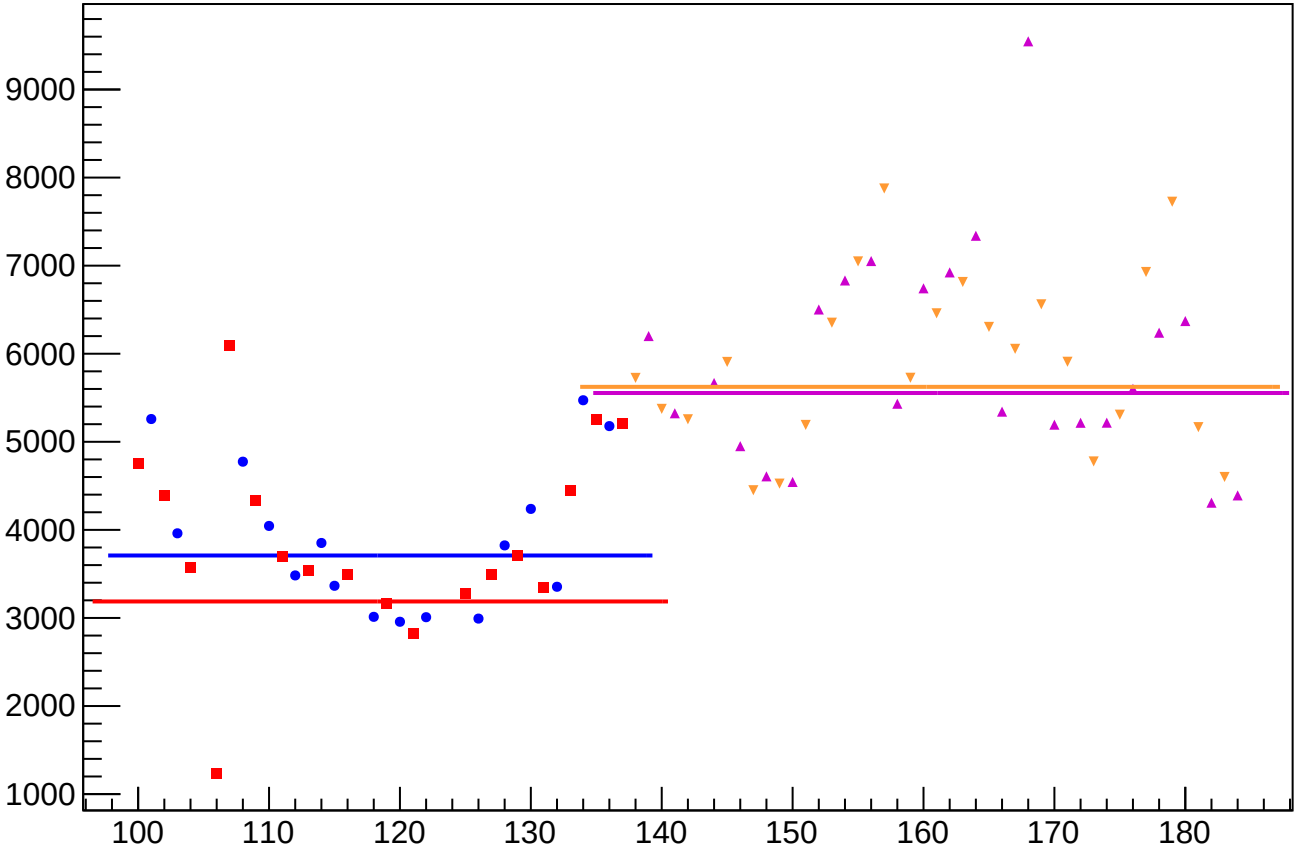
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2233.454+/-972.317 χ^2/NDF: 42.9/38

All: 98.758+/-681.408 χ^2/NDF: 84.5/79

- sign -1961.549+/-955.225 χ^2/NDF: 32.2/40

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

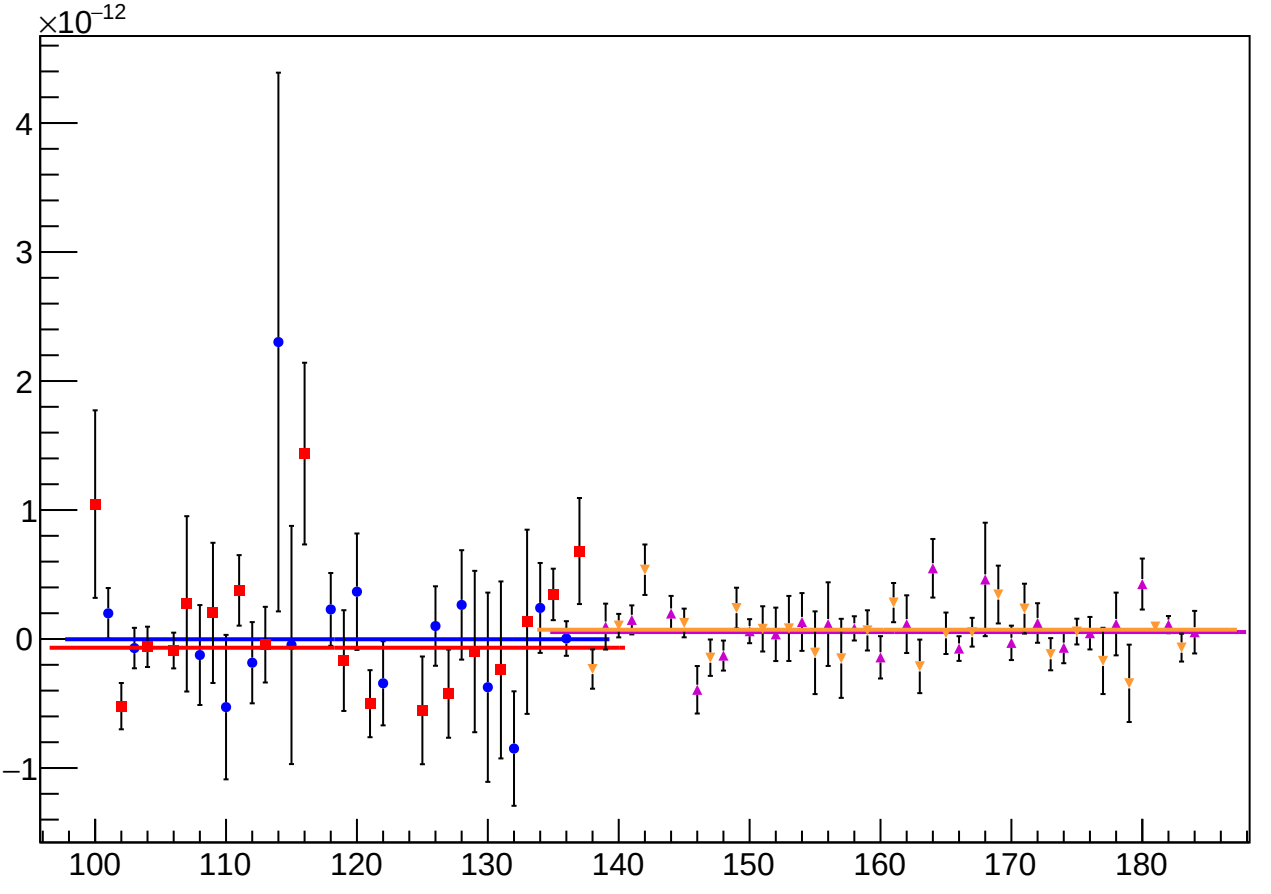
Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4719.154+/-0.688 χ^2/NDF: 3459762.2/38

All: 4507.696+/-0.471 χ^2/NDF: 9706155.4/79

- sign 4320.741+/-0.646 χ^2/NDF: 6068166.4/40

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

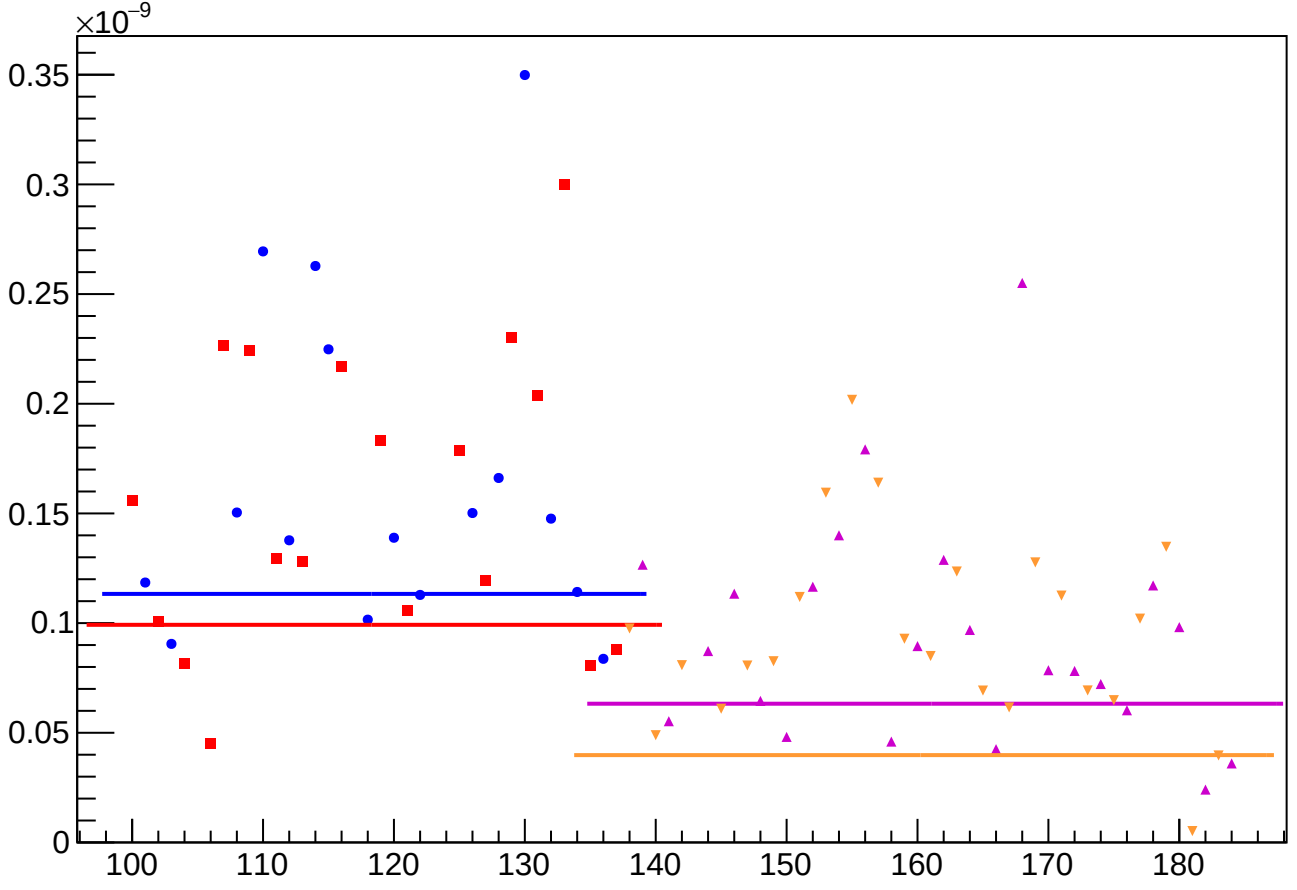
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/38

All: 0.000+/-0.000 χ^2/NDF: 98.5/79

- sign 0.000+/-0.000 χ^2/NDF: 57.8/40



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

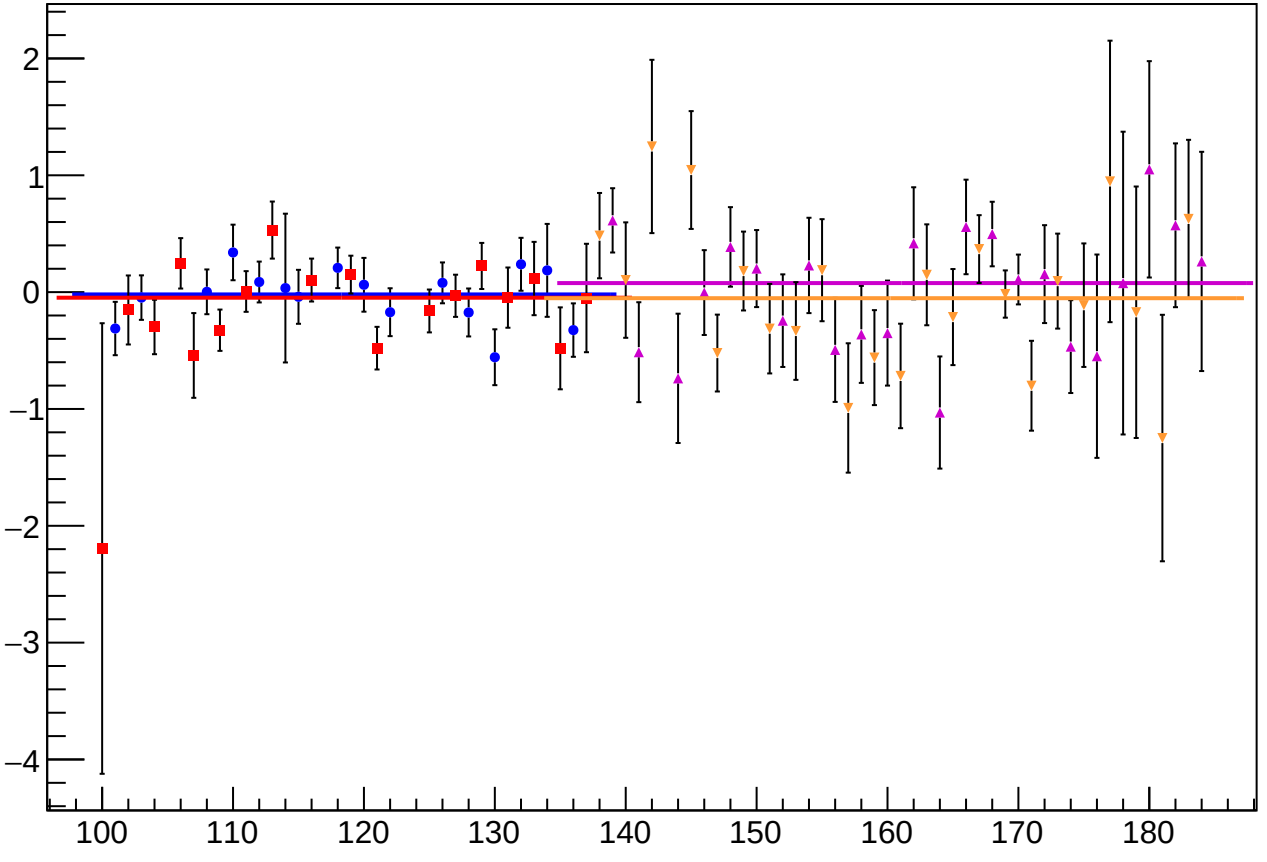
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9582583.7/38

All: 0.000+/-0.000 χ^2/NDF: 15009992.6/79

- sign 0.000+/-0.000 χ^2/NDF: 4531493.8/40

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

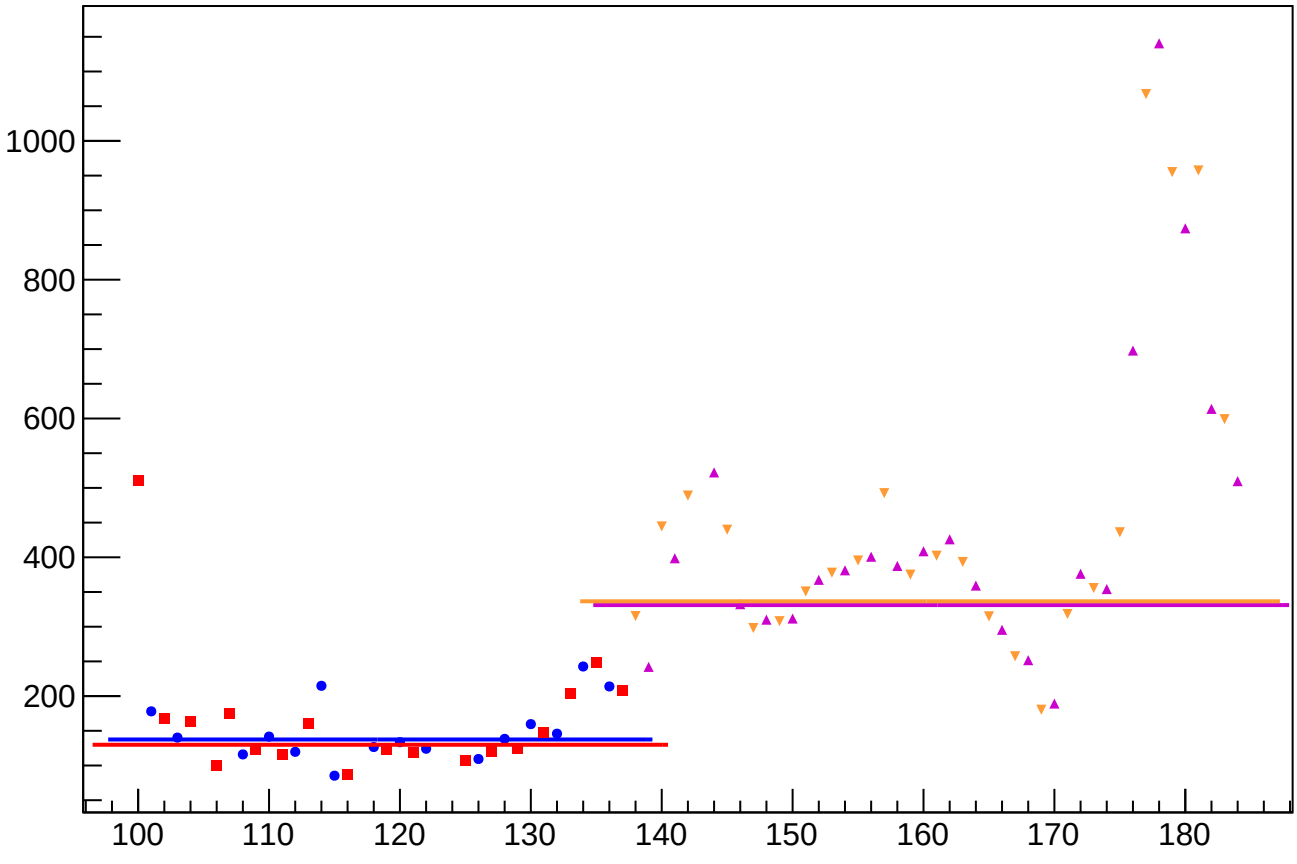
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.046 χ^2/NDF: 46.0/38

All: -0.020+/-0.032 χ^2/NDF: 101.0/79

- sign -0.012+/-0.044 χ^2/NDF: 54.9/40



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 336.612+/-0.061 χ^2/NDF:4441644.5/22

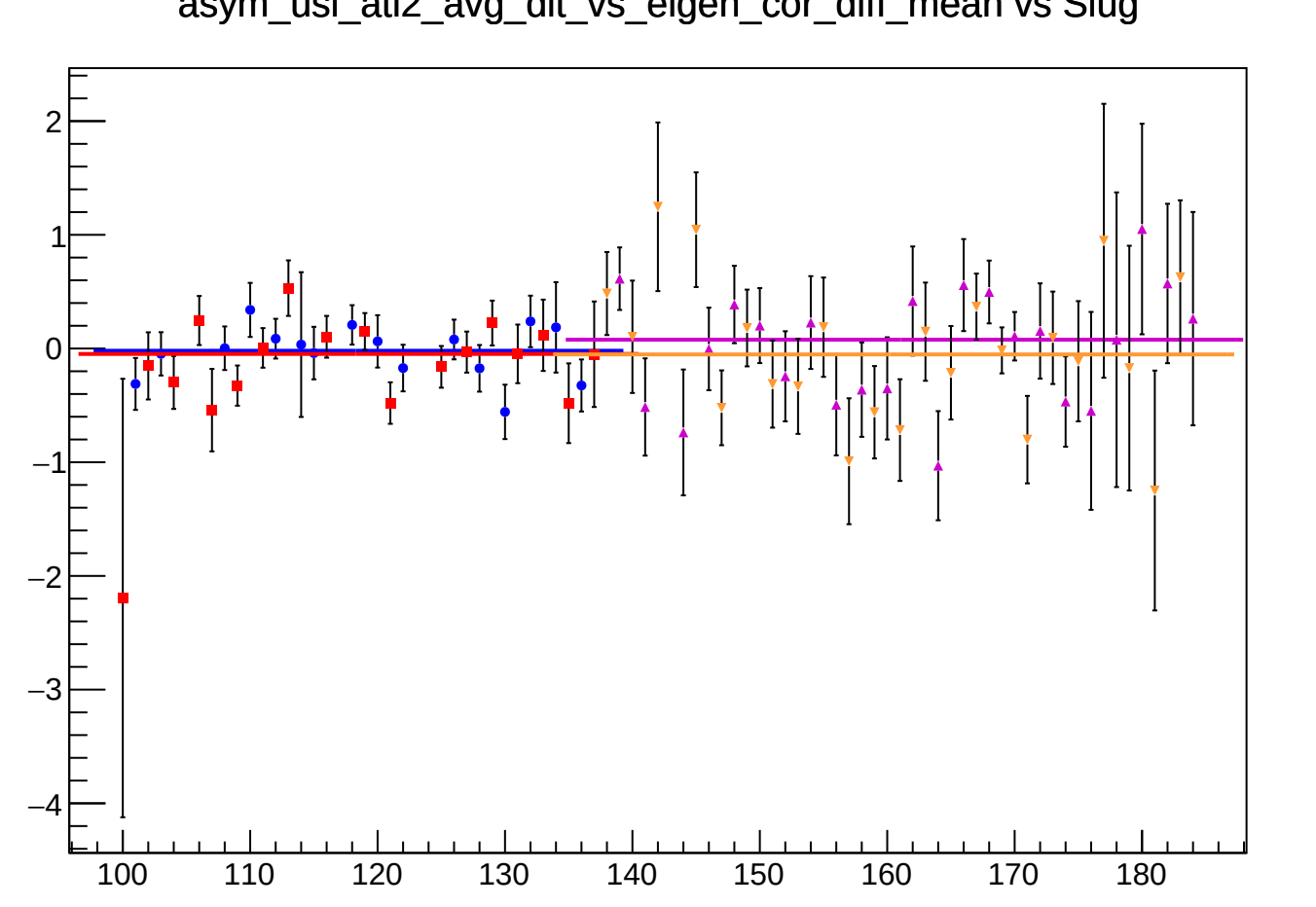
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.360+/-0.032 χ^2/NDF: 12842160.5/38

All: 190.560+/-0.023 χ^2/NDF: 26150742.2/79

- sign 186.986+/-0.031 χ^2/NDF: 13281882.1/40



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.052+/-0.086 χ^2/NDF:29.9/22

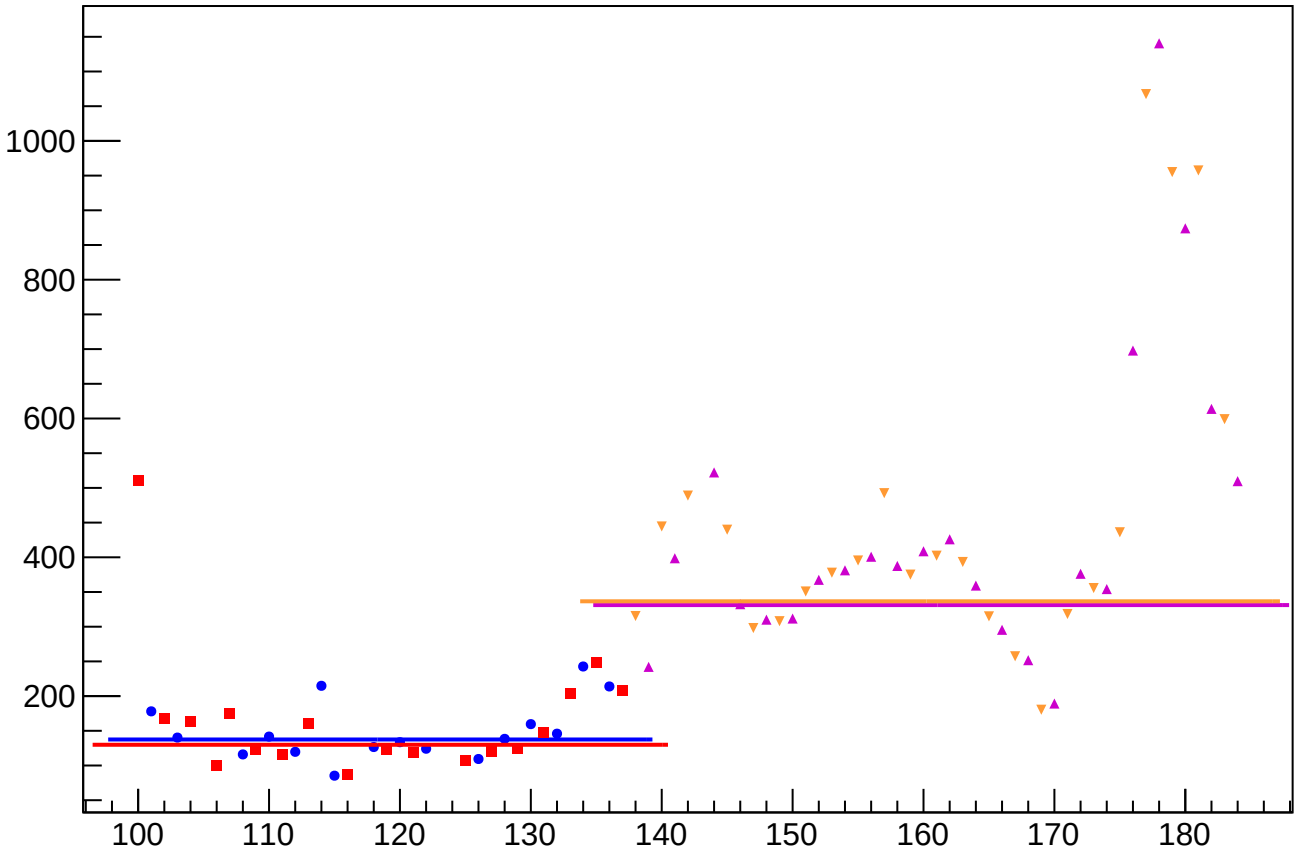
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.046 χ^2/NDF: 46.0/38

All: -0.020+/-0.032 χ^2/NDF: 101.0/79

- sign -0.012+/-0.044 χ^2/NDF: 54.9/40



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 336.612+/-0.061 χ^2/NDF:4441644.5/22

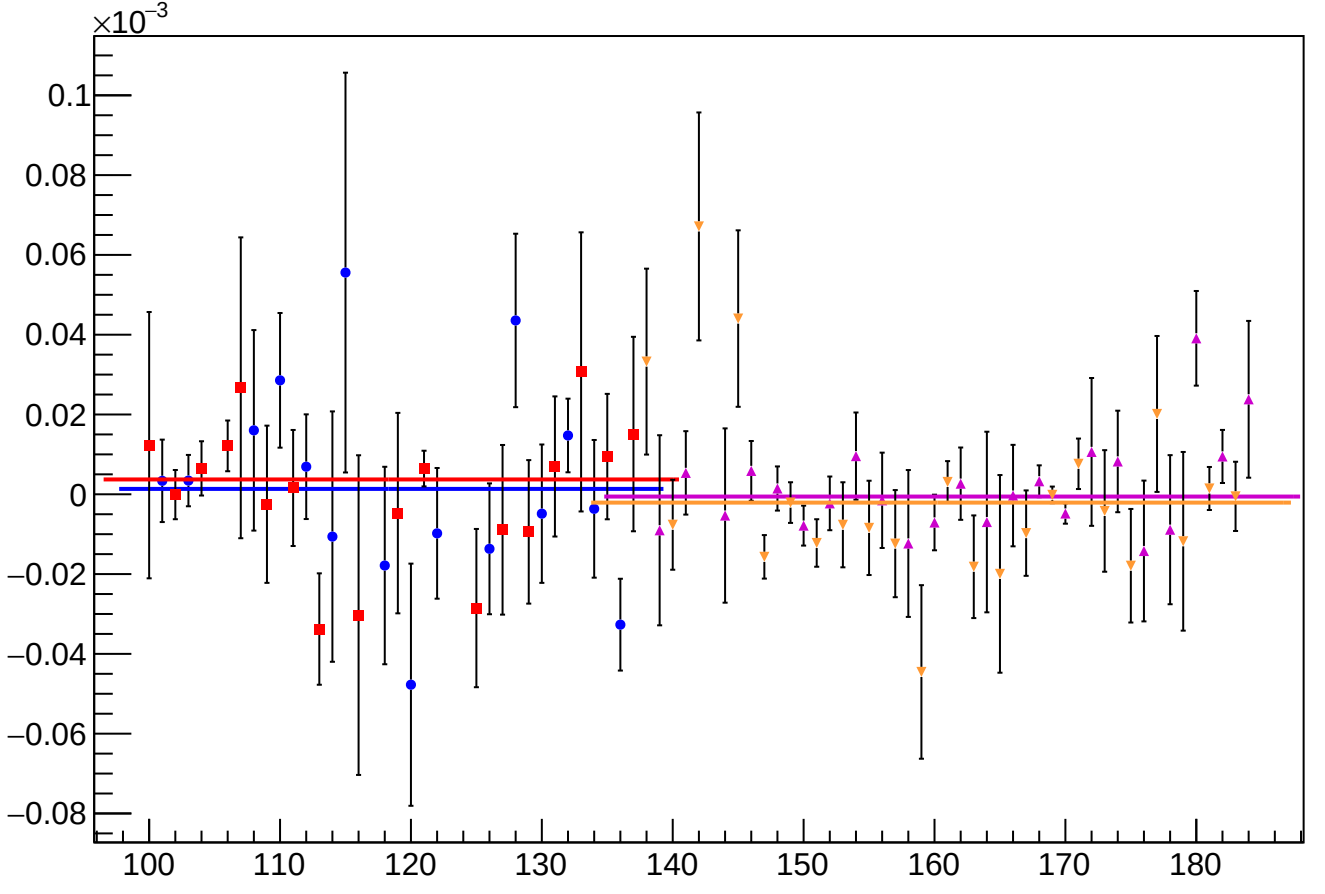
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.360+/-0.032 χ^2/NDF: 12842160.5/38

All: 190.560+/-0.023 χ^2/NDF: 26150742.2/79

- sign 186.986+/-0.031 χ^2/NDF: 13281882.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/22

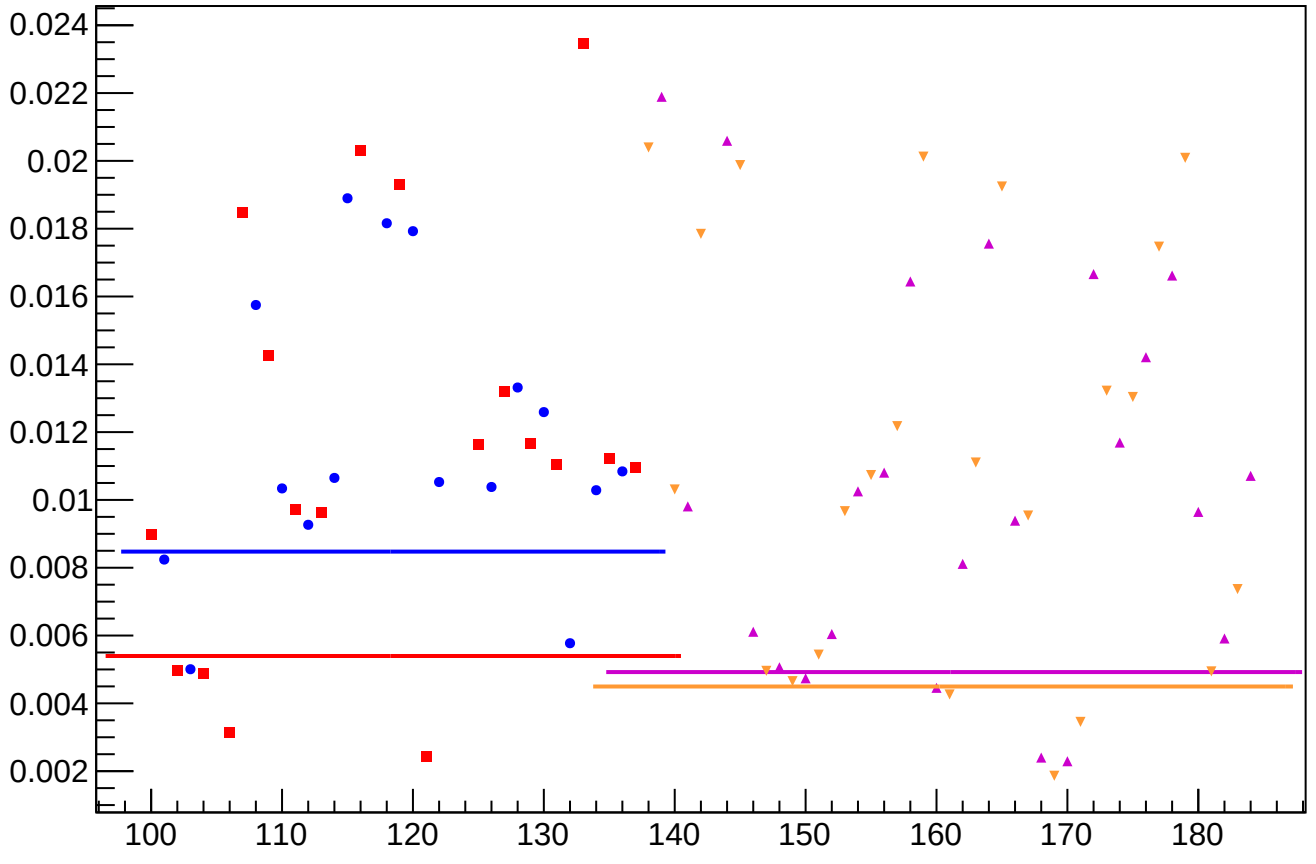
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.6/38

All: -0.000+/-0.000 χ^2/NDF: 107.1/79

- sign 0.000+/-0.000 χ^2/NDF: 44.1/40



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:14049006.0/22

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

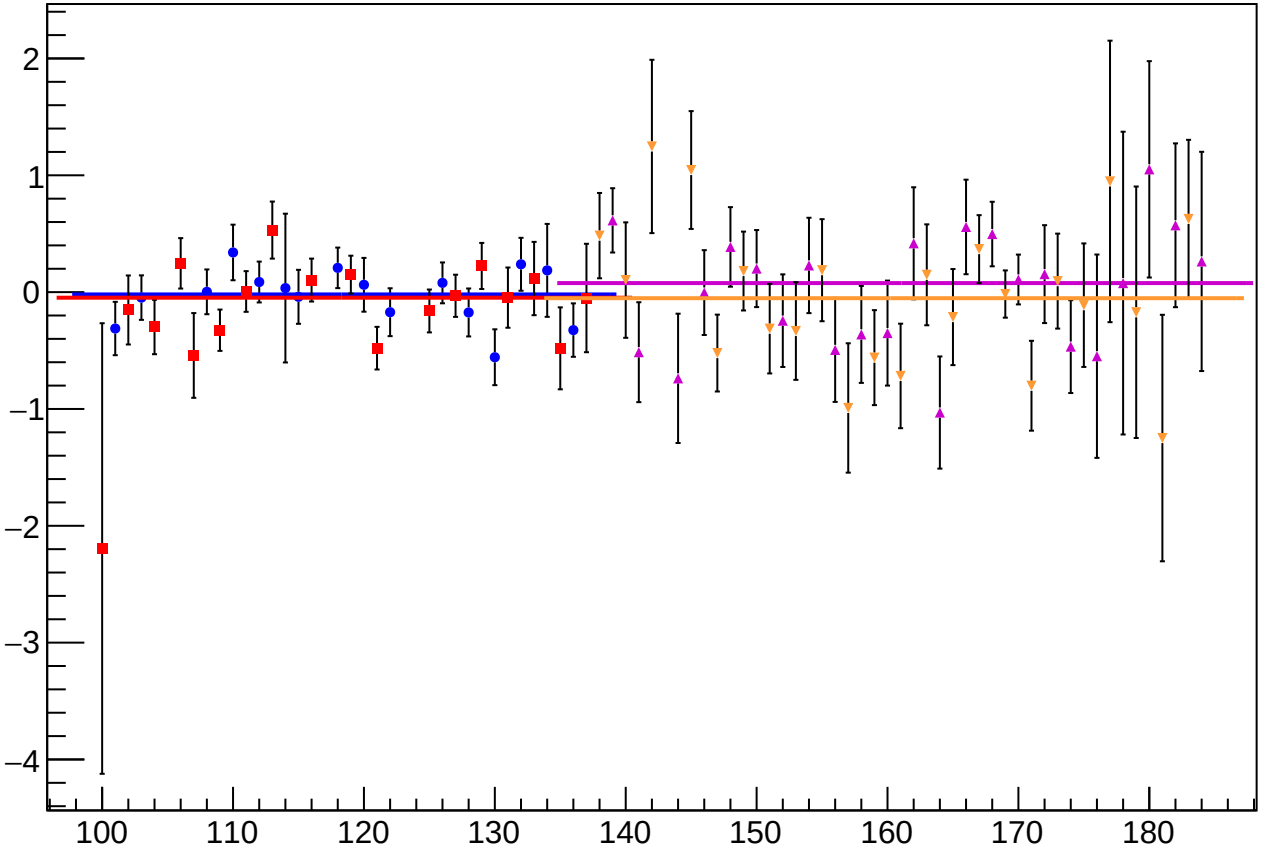
Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 18259493.9/38

All: 0.005+/-0.000 χ^2/NDF: 34847887.4/79

- sign 0.005+/-0.000 χ^2/NDF: 16588222.3/40

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

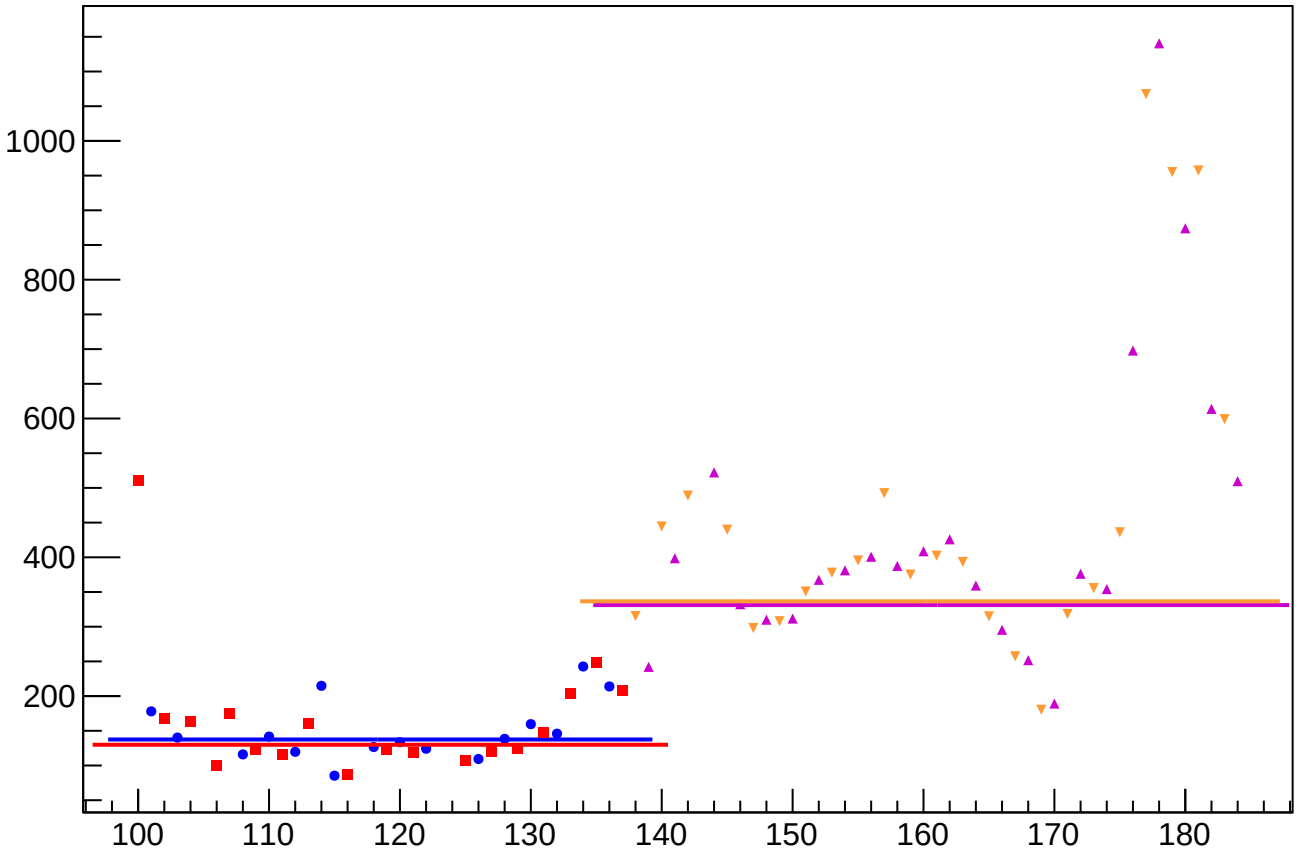
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.046 χ^2/NDF: 46.0/38

All: -0.020+/-0.032 χ^2/NDF: 101.0/79

- sign -0.012+/-0.044 χ^2/NDF: 54.9/40



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 336.614+/-0.061 χ^2/NDF:4441713.5/22

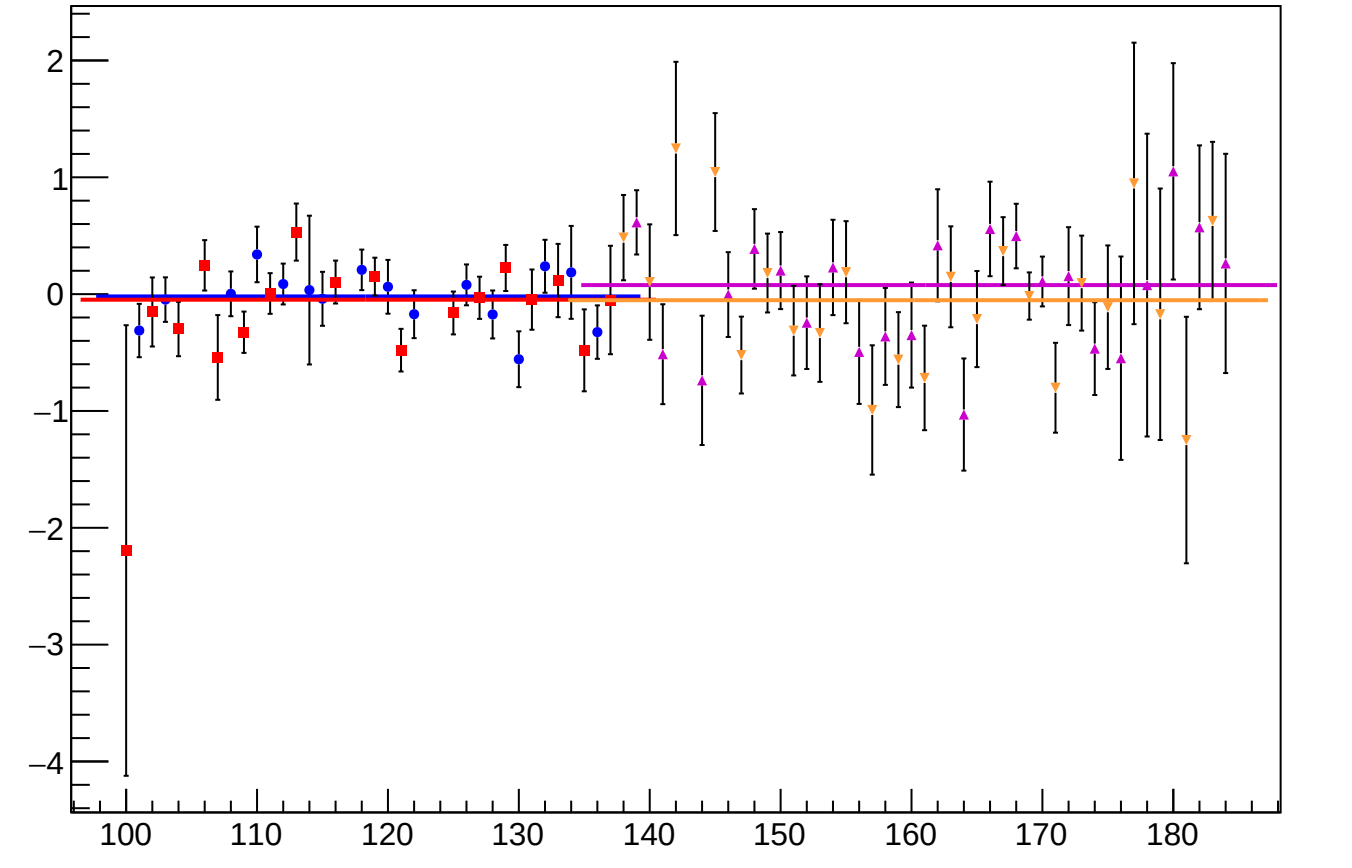
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.360+/-0.032 χ^2/NDF: 12842297.9/38

All: 190.560+/-0.023 χ^2/NDF: 26150976.5/79

- sign 186.986+/-0.031 χ^2/NDF: 13281979.9/40



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.052+/-0.086 χ^2/NDF:29.9/22

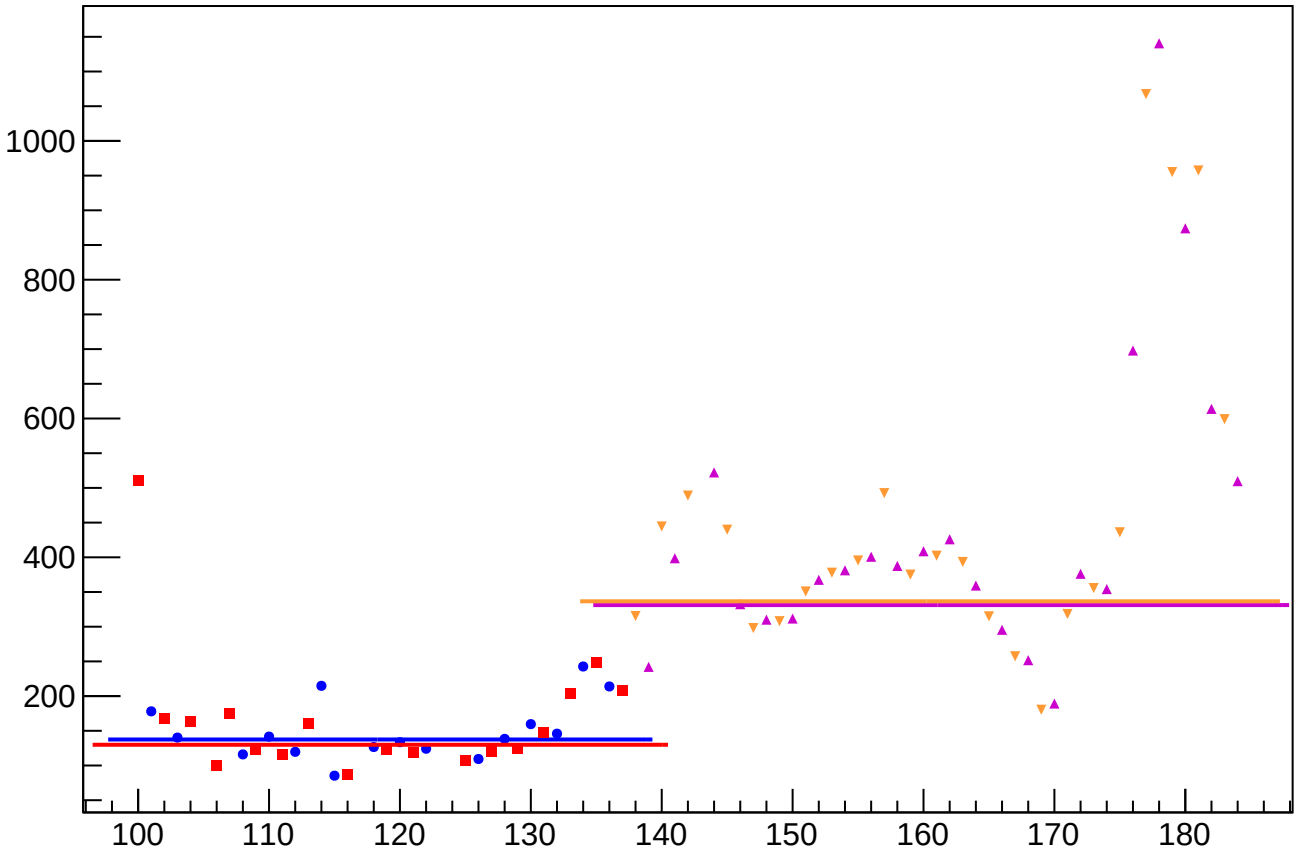
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.046 χ^2/NDF: 46.0/38

All: -0.020+/-0.032 χ^2/NDF: 101.0/79

- sign -0.012+/-0.044 χ^2/NDF: 54.9/40



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 336.614+/-0.061 χ^2/NDF:4441713.5/22

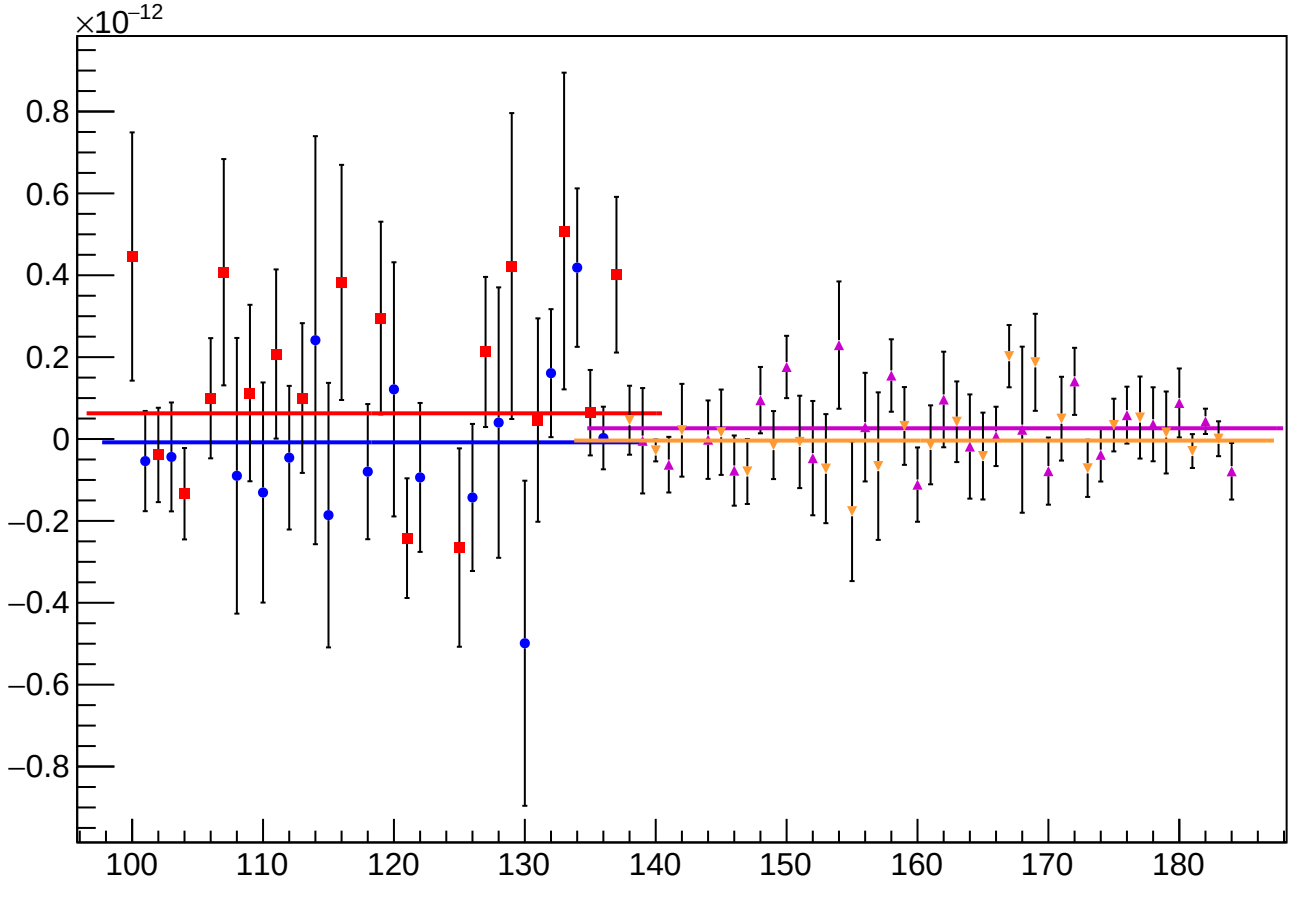
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.360+/-0.032 χ^2/NDF: 12842297.9/38

All: 190.560+/-0.023 χ^2/NDF: 26150976.5/79

- sign 186.986+/-0.031 χ^2/NDF: 13281979.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/22

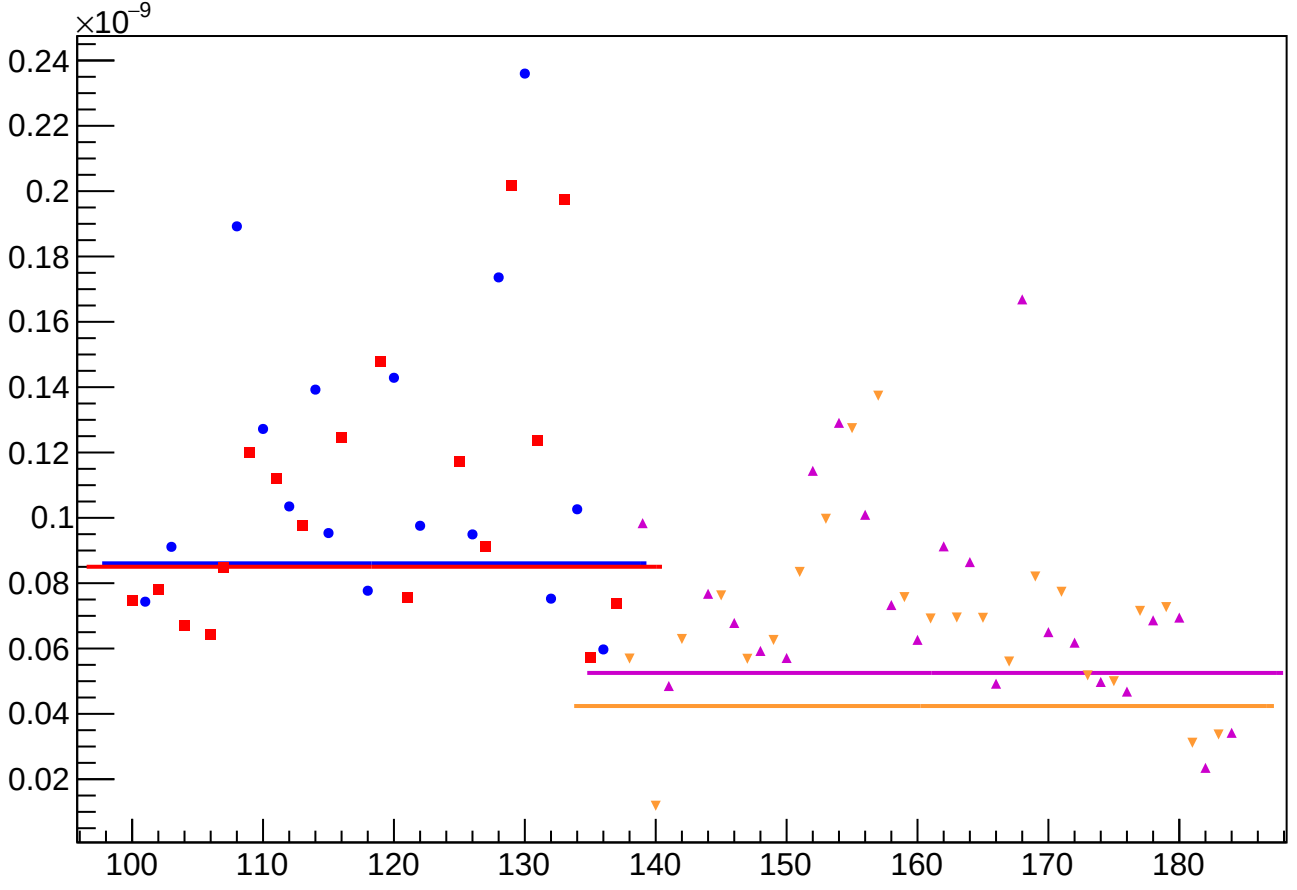
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 26.2/38

All: 0.000+/-0.000 χ^2/NDF: 74.8/79

- sign 0.000+/-0.000 χ^2/NDF: 45.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6675871.5/22

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

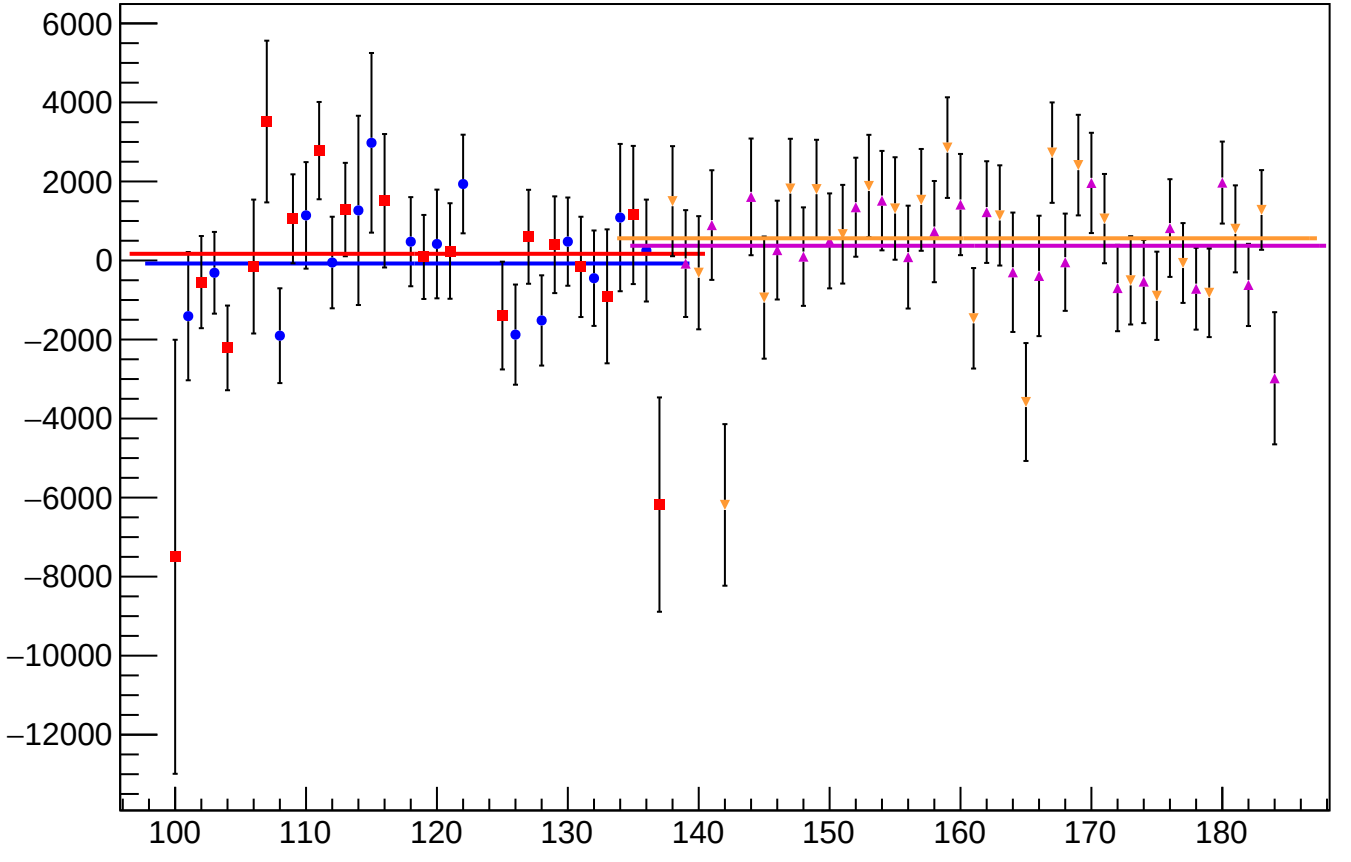
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9641989.7/38

All: 0.000+/-0.000 χ^2/NDF: 17039400.8/79

- sign 0.000+/-0.000 χ^2/NDF: 6935621.4/40

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

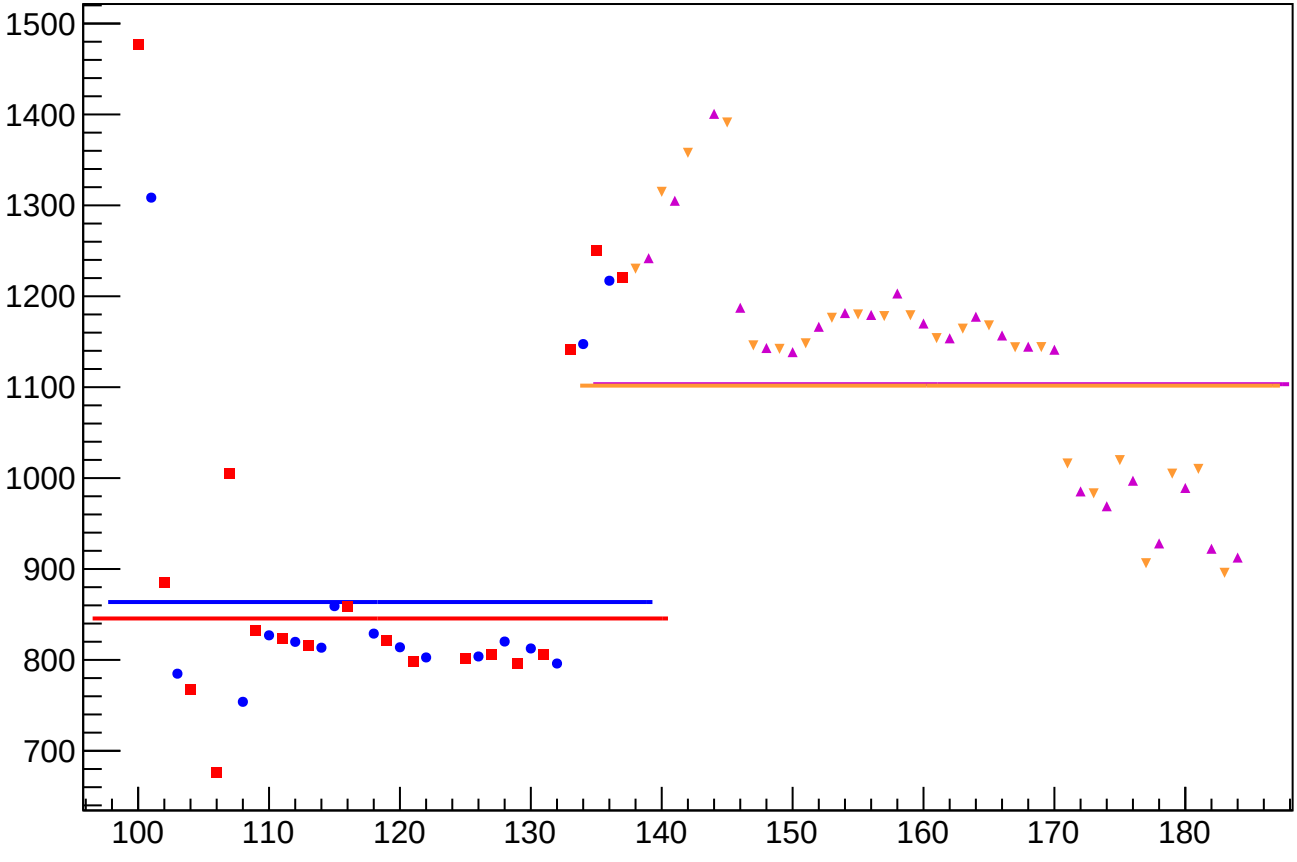
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 315.210+/-202.951 χ^2/NDF: 56.3/38

All: 303.940+/-143.143 χ^2/NDF: 97.0/79

- sign 292.784+/-201.922 χ^2/NDF: 40.7/40

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

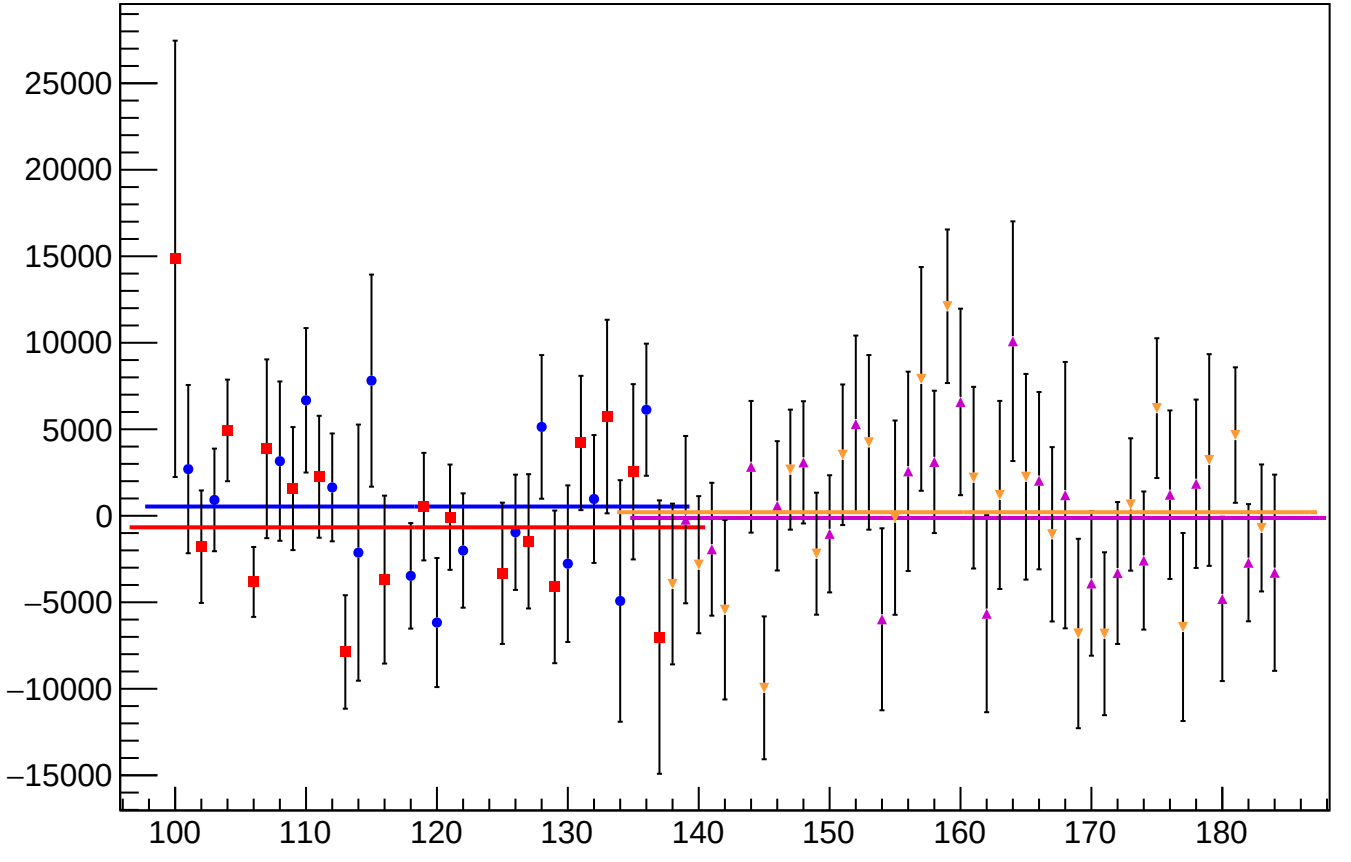
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1009.578+/-0.144 χ^2/NDF: 1507251.7/38

All: 1004.893+/-0.101 χ^2/NDF: 3053996.1/79

- sign 1000.300+/-0.142 χ^2/NDF: 1544633.3/40

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

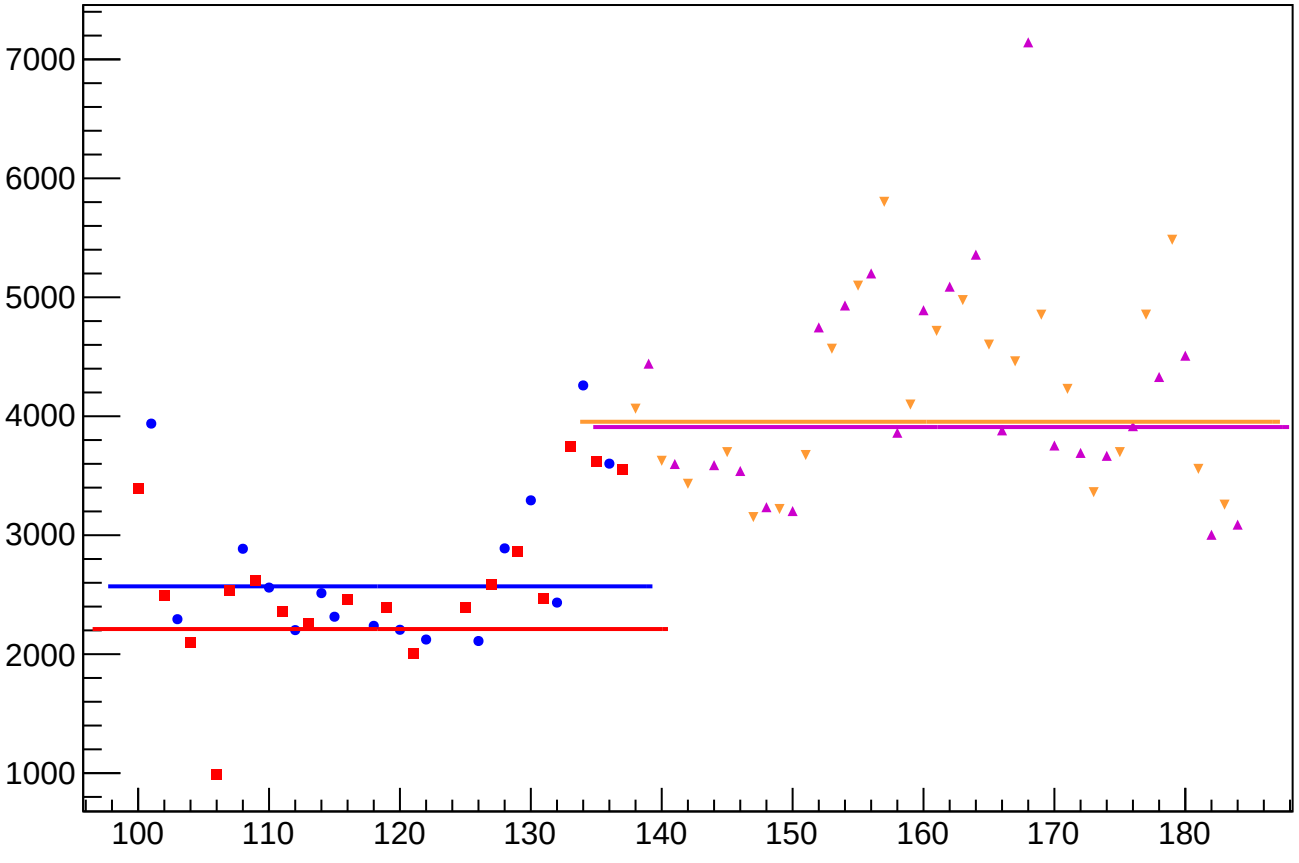
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 364.073+/-680.404 χ^2/NDF: 43.8/38

All: -53.642+/-463.923 χ^2/NDF: 78.4/79

- sign -416.557+/-634.203 χ^2/NDF: 33.9/40

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

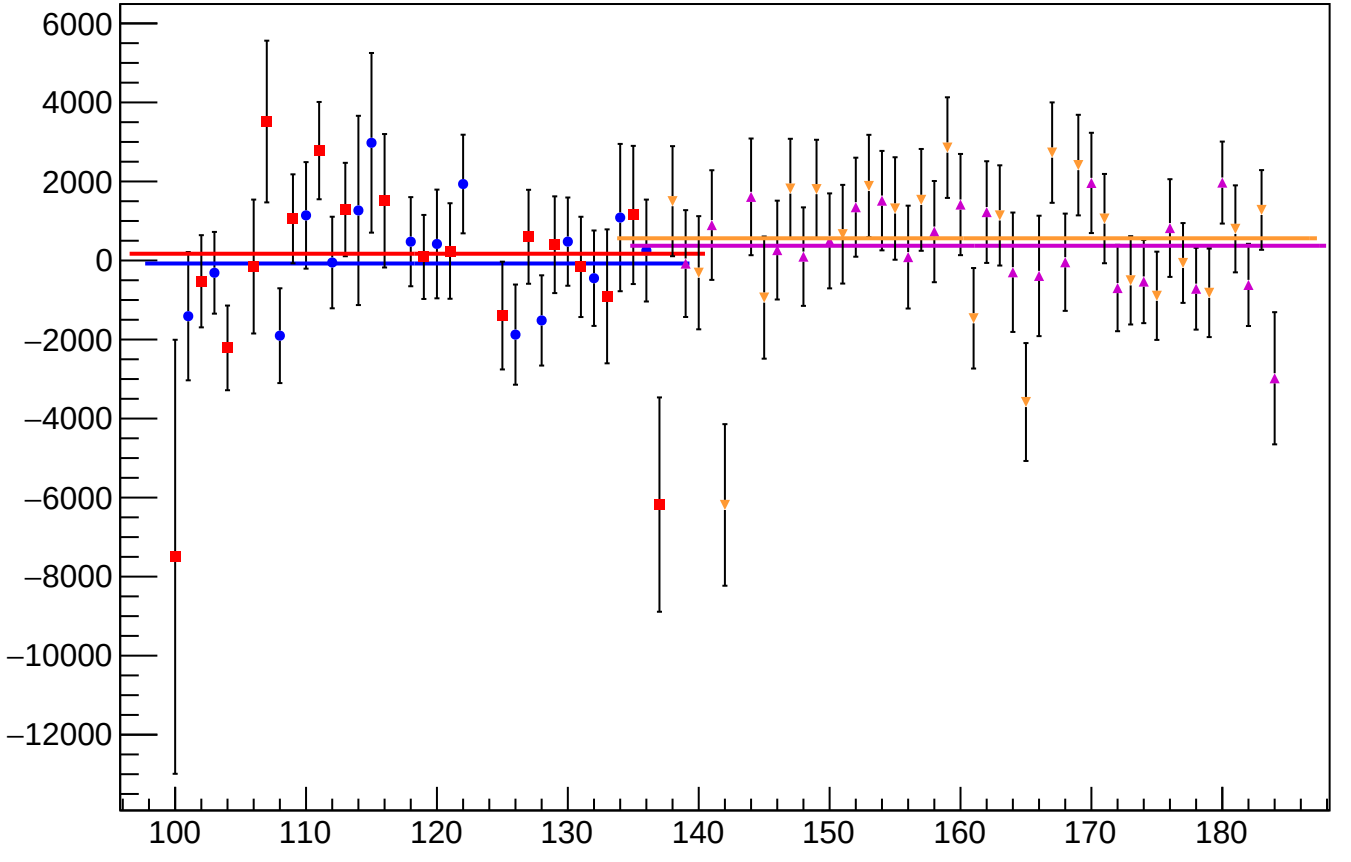
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3288.542+/-0.481 χ^2/NDF: 3797408.5/38

All: 3132.202+/-0.328 χ^2/NDF: 10122944.5/7

- sign 2996.372+/-0.448 χ^2/NDF: 6128200.7/40

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

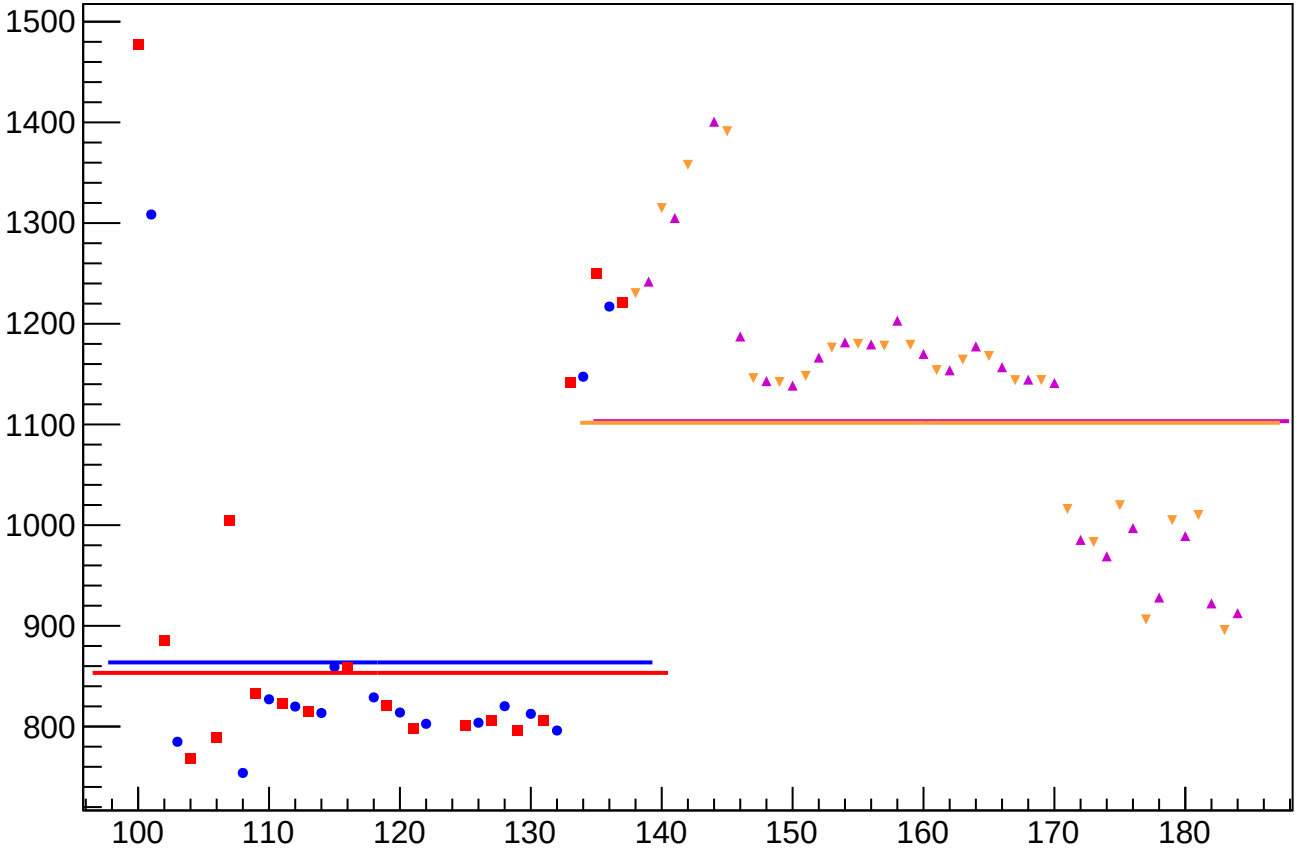
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 315.204+/-202.951 χ^2/NDF: 56.3/38

All: 304.254+/-143.143 χ^2/NDF: 96.9/79

- sign 293.415+/-201.923 χ^2/NDF: 40.6/40

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

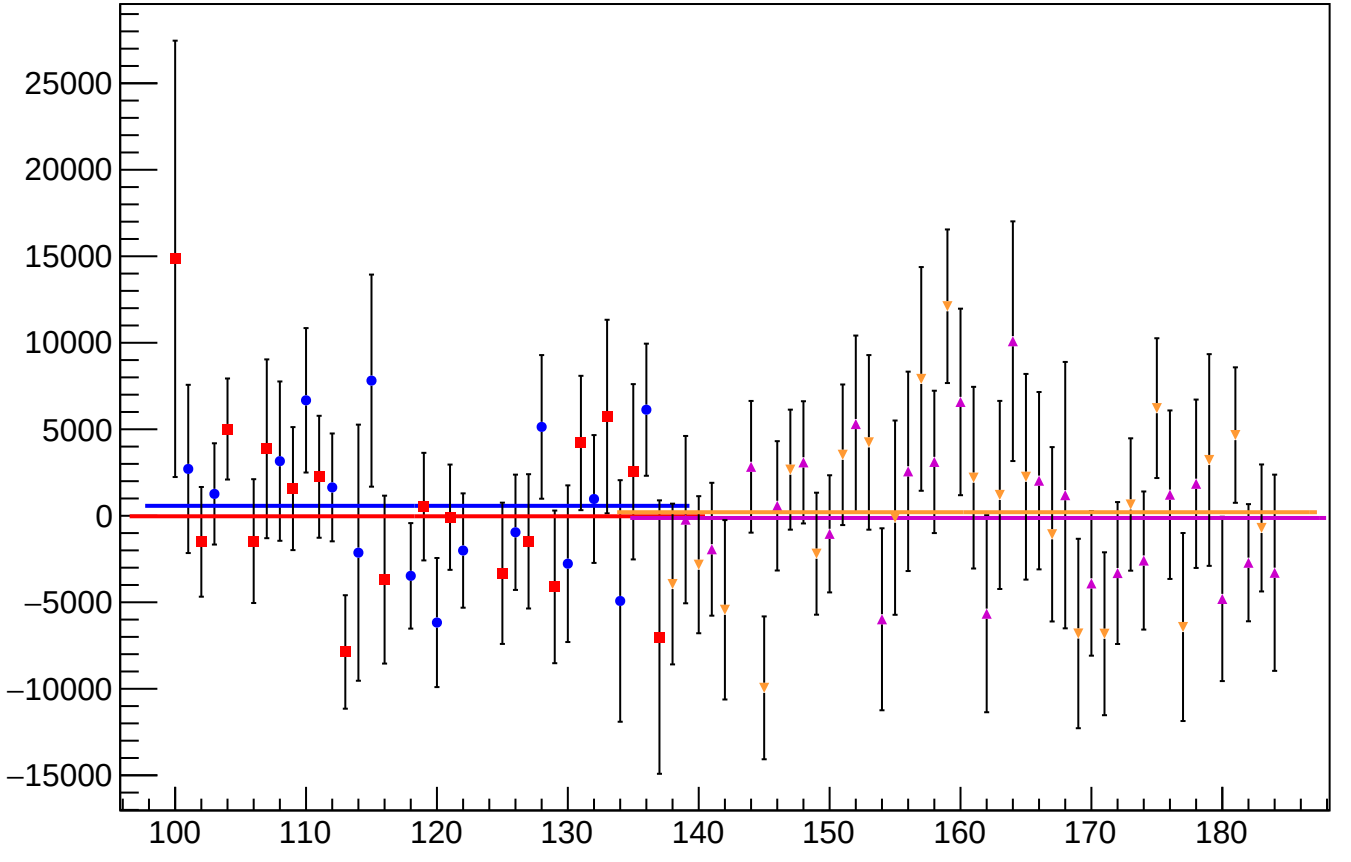
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.578+/-0.144 χ^2/NDF: 1507251.8/38

All: 1006.896+/-0.101 χ^2/NDF: 2967156.0/79

- sign 1004.252+/-0.142 χ^2/NDF: 1459210.6/40

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

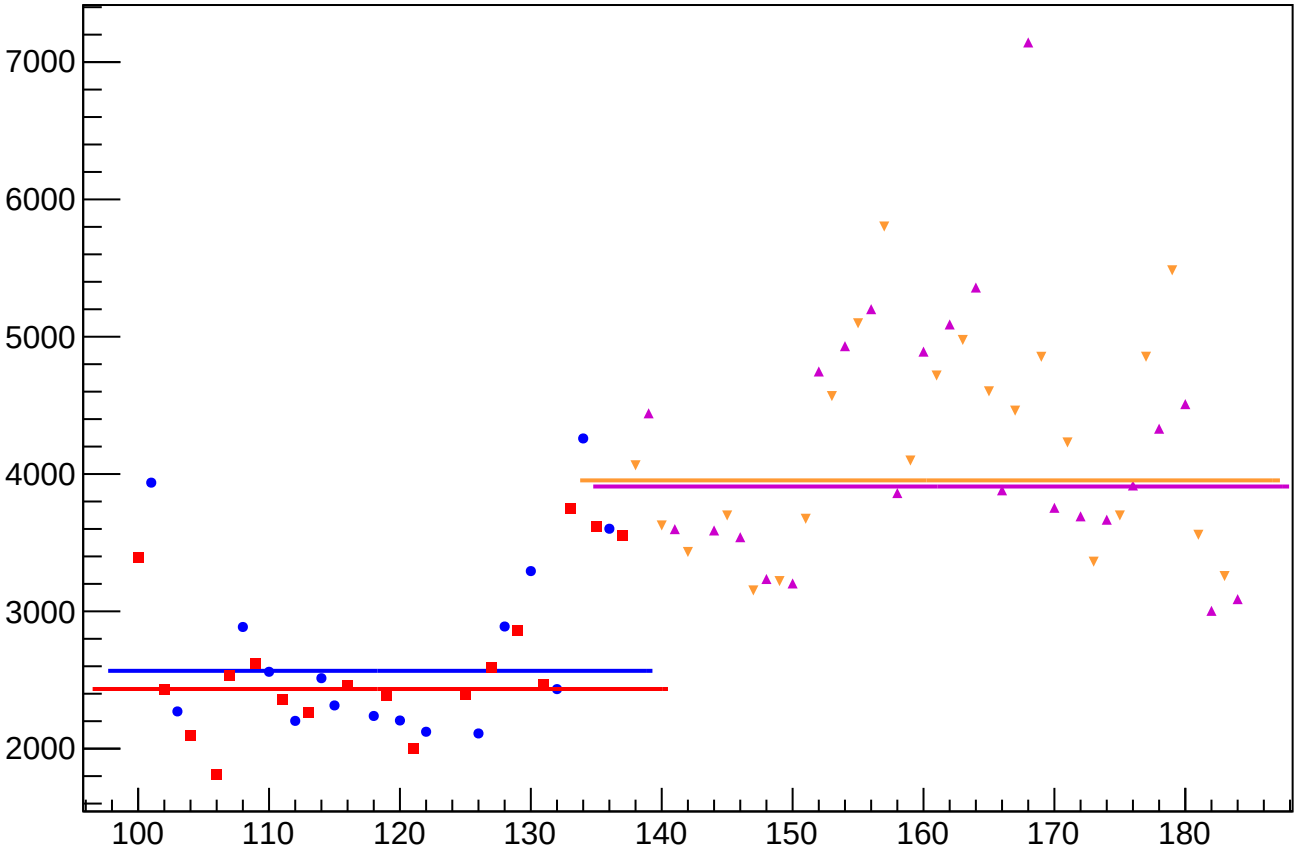
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 383.798+/-679.925 χ^2/NDF: 43.8/38

All: 145.020+/-471.991 χ^2/NDF: 75.0/79

- sign -77.063+/-655.725 χ^2/NDF: 31.0/40

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

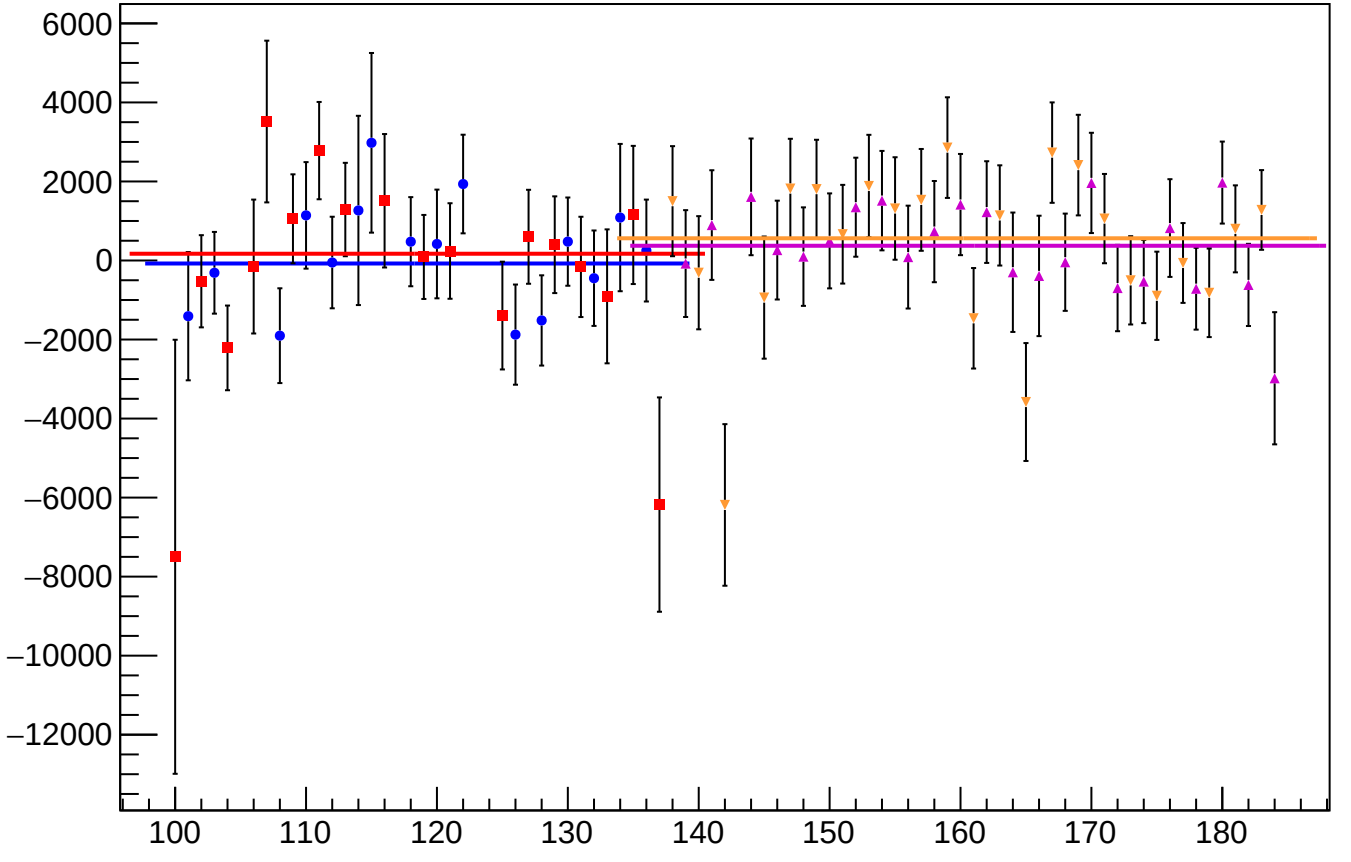
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3285.895+/-0.481 χ^2/NDF: 3814122.3/38

All: 3222.433+/-0.334 χ^2/NDF: 8111193.9/79

- sign 3163.407+/-0.464 χ^2/NDF: 4263442.4/40

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

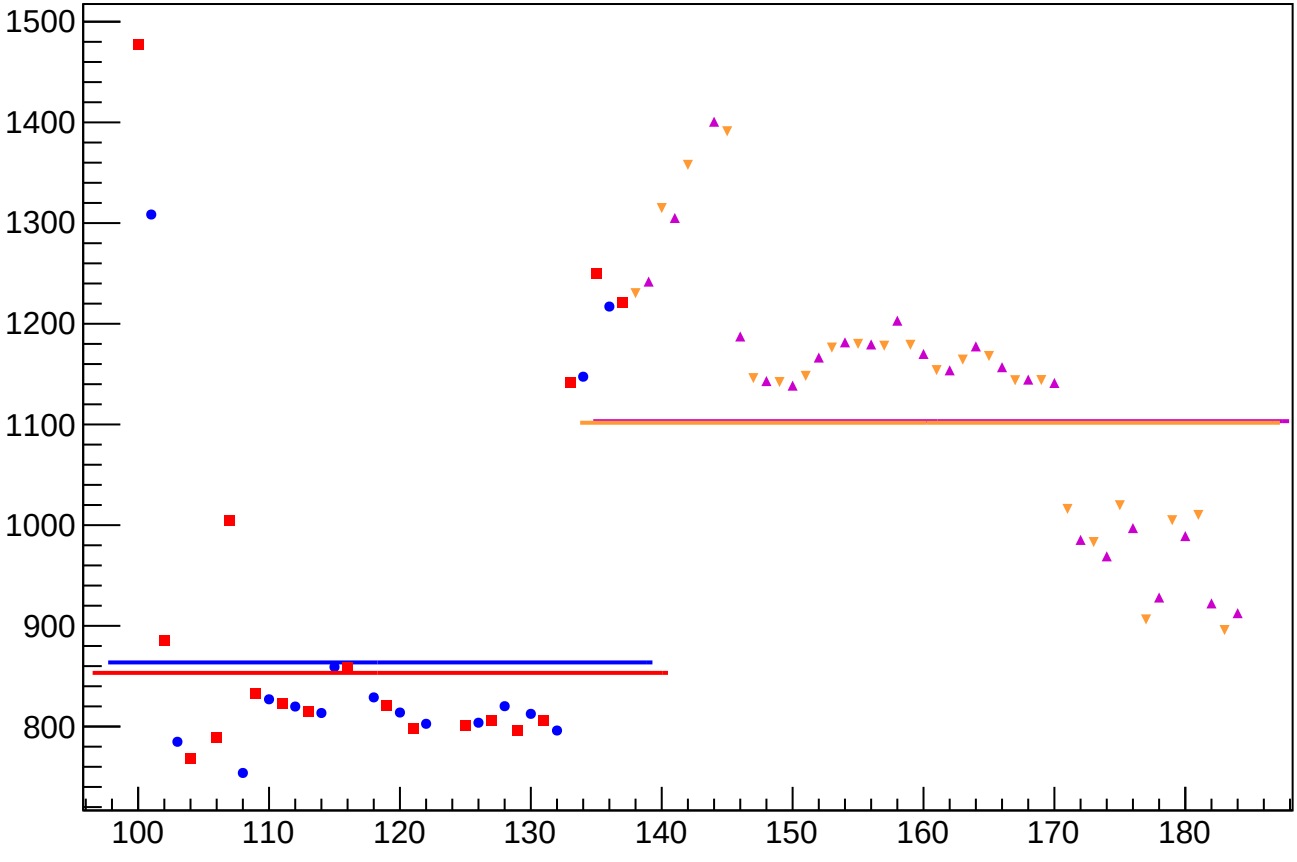
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 315.204+/-202.951 χ^2/NDF: 56.3/38

All: 304.254+/-143.143 χ^2/NDF: 96.9/79

- sign 293.415+/-201.923 χ^2/NDF: 40.6/40

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

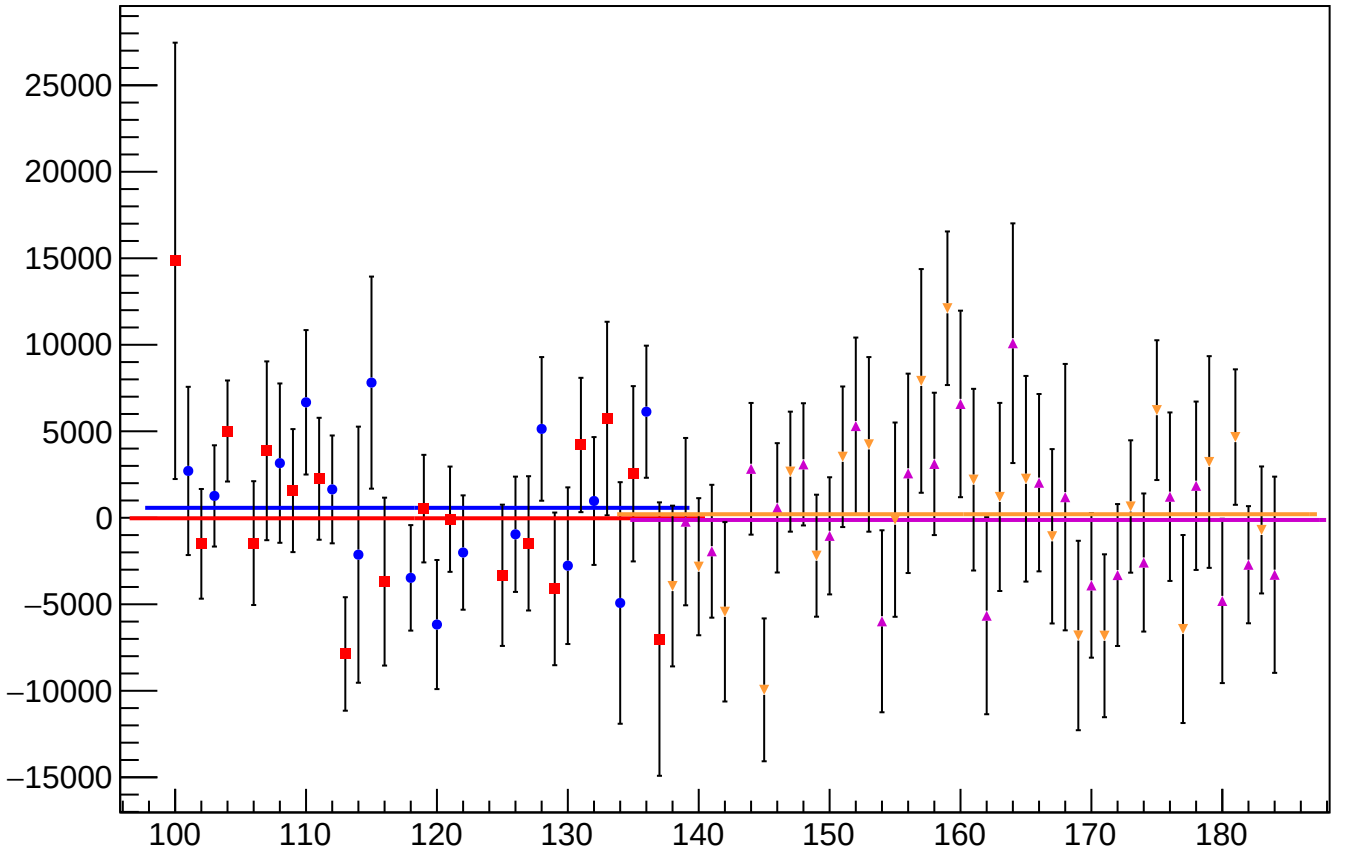
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.578+/-0.144 χ^2/NDF: 1507251.8/38

All: 1006.896+/-0.101 χ^2/NDF: 2967156.0/79

- sign 1004.252+/-0.142 χ^2/NDF: 1459210.6/40



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 206.272+/-944.251 χ^2/NDF:29.1/22

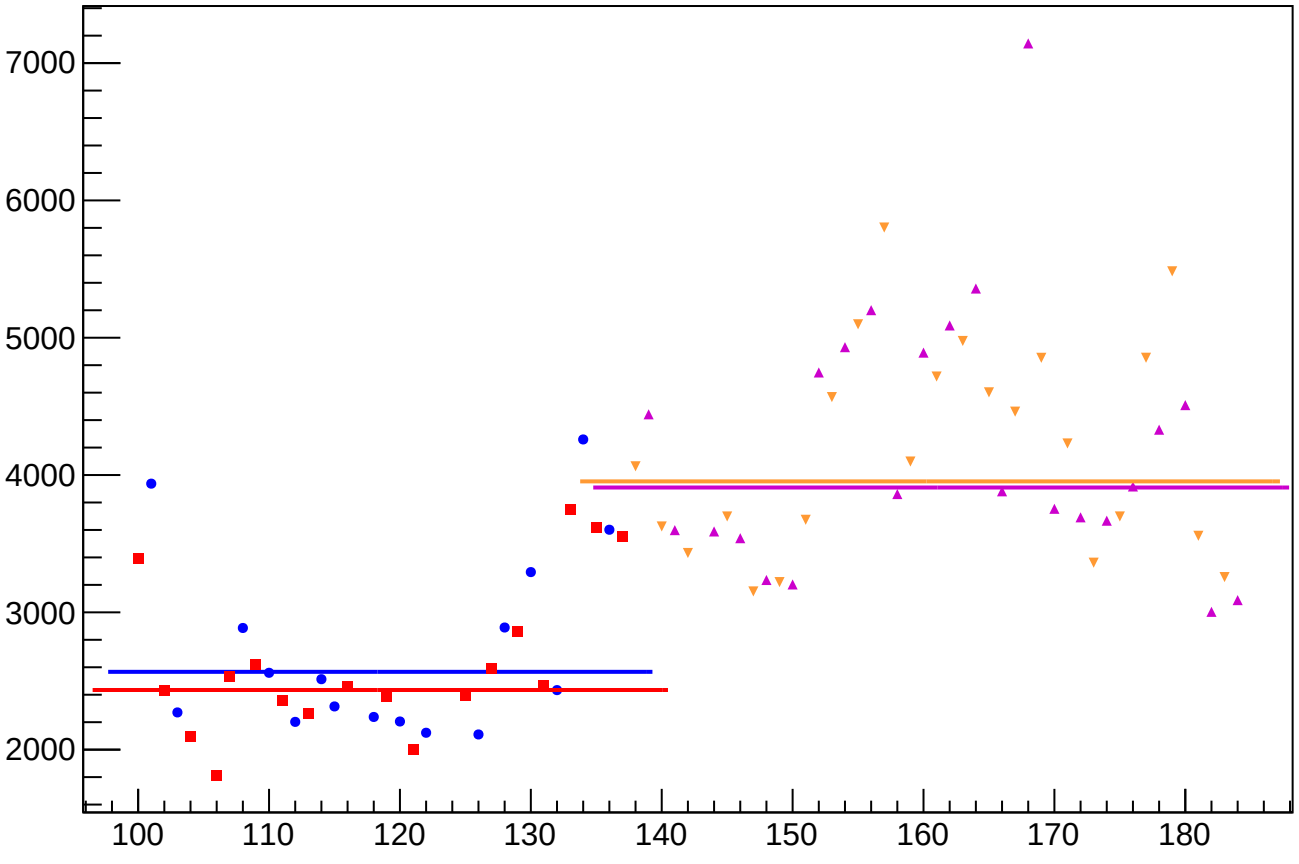
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 383.798+/-679.925 χ^2/NDF: 43.8/38

All: 145.020+/-471.991 χ^2/NDF: 75.0/79

- sign -77.063+/-655.725 χ^2/NDF: 31.0/40



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

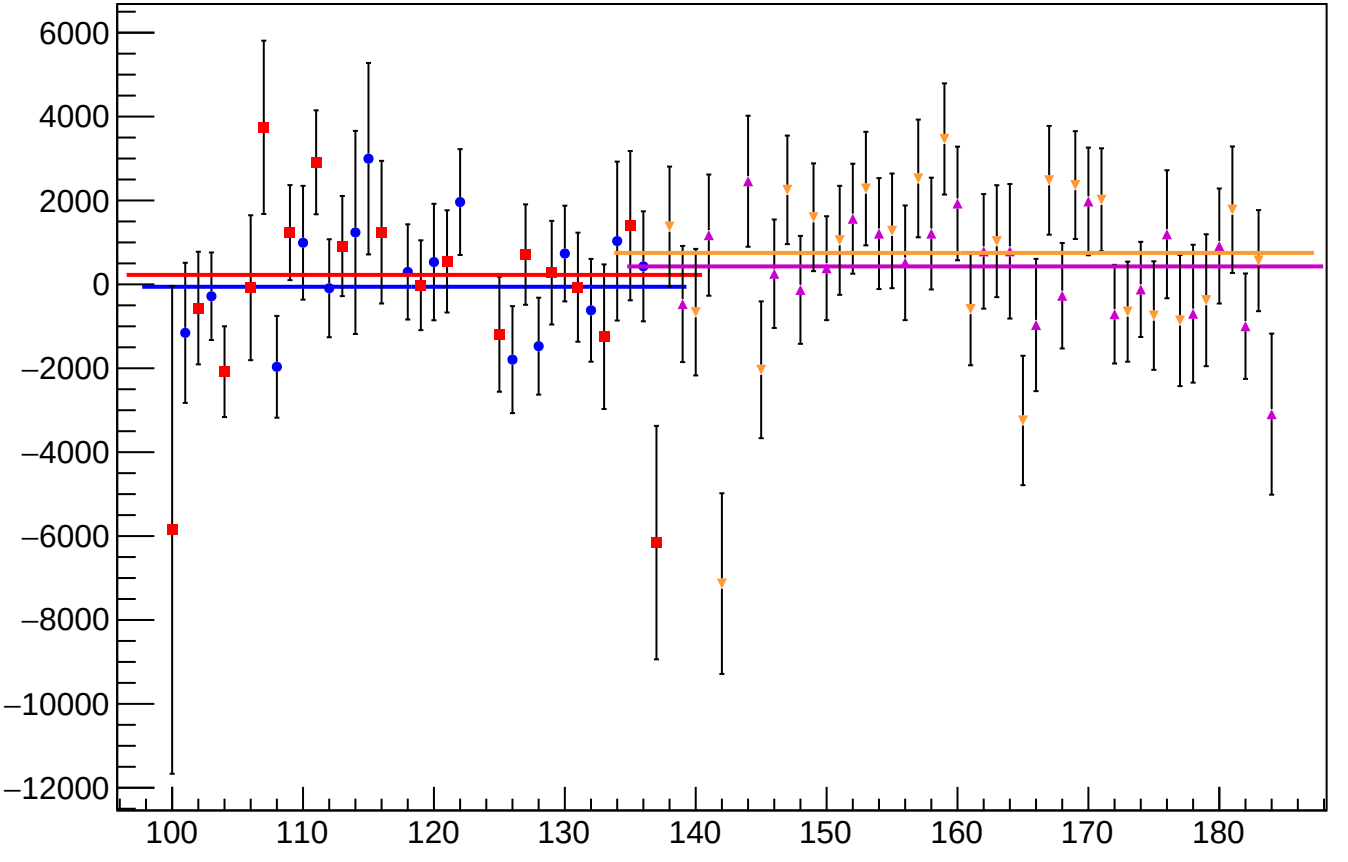
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3285.895+/-0.481 χ^2/NDF: 3814122.3/38

All: 3222.433+/-0.334 χ^2/NDF: 8111193.9/79

- sign 3163.407+/-0.464 χ^2/NDF: 4263442.4/40

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

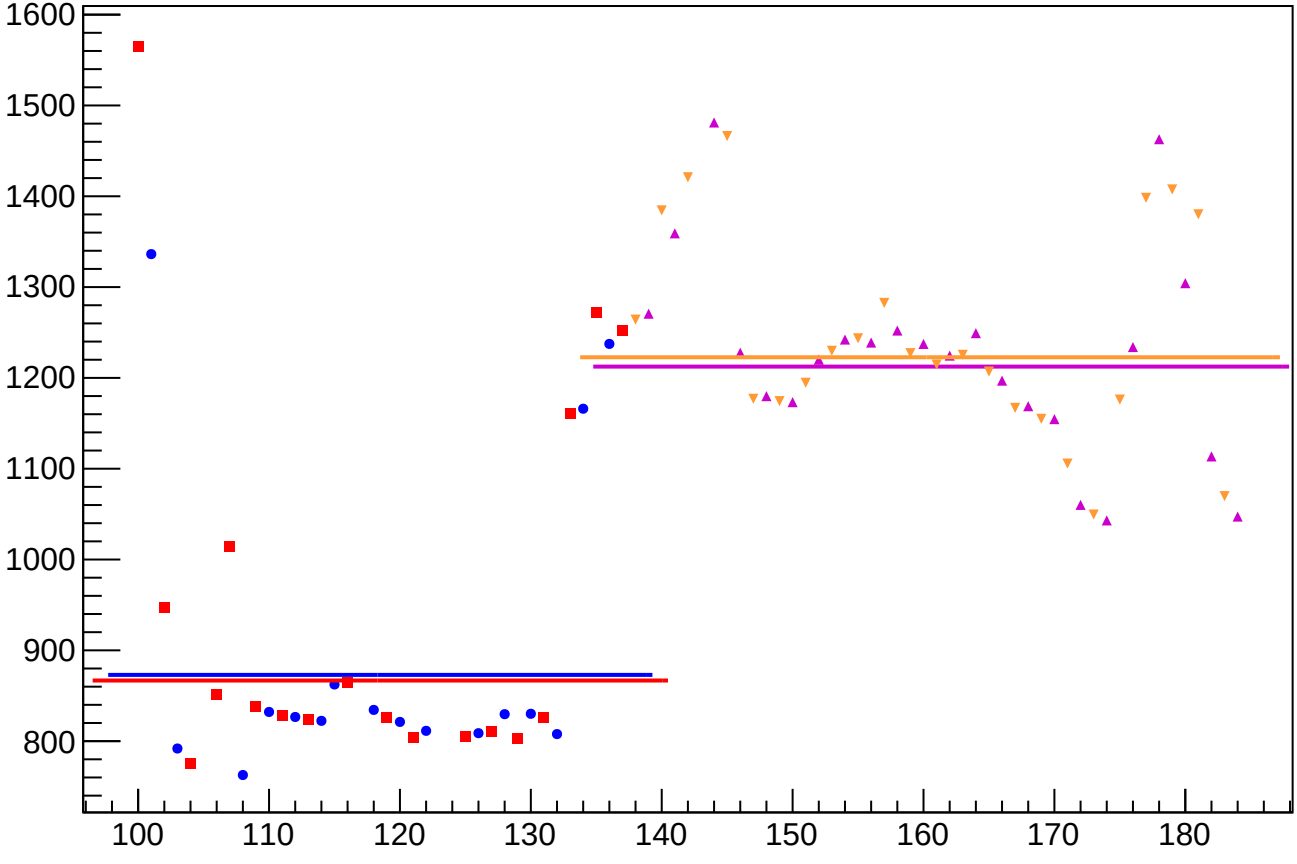
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 402.495+/-216.686 χ^2/NDF: 59.8/38

All: 371.692+/-152.580 χ^2/NDF: 97.6/79

- sign 341.397+/-214.887 χ^2/NDF: 37.7/40

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

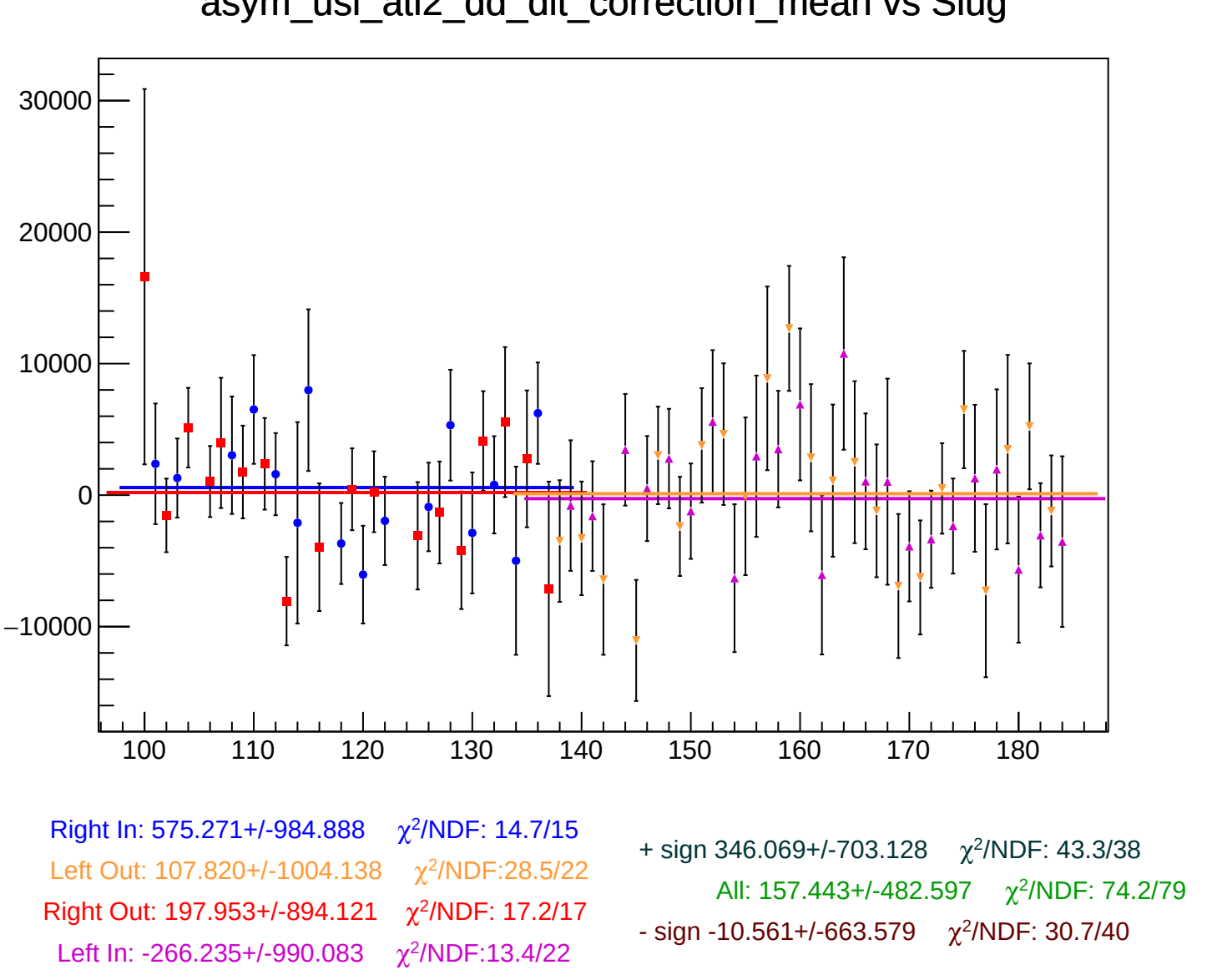
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

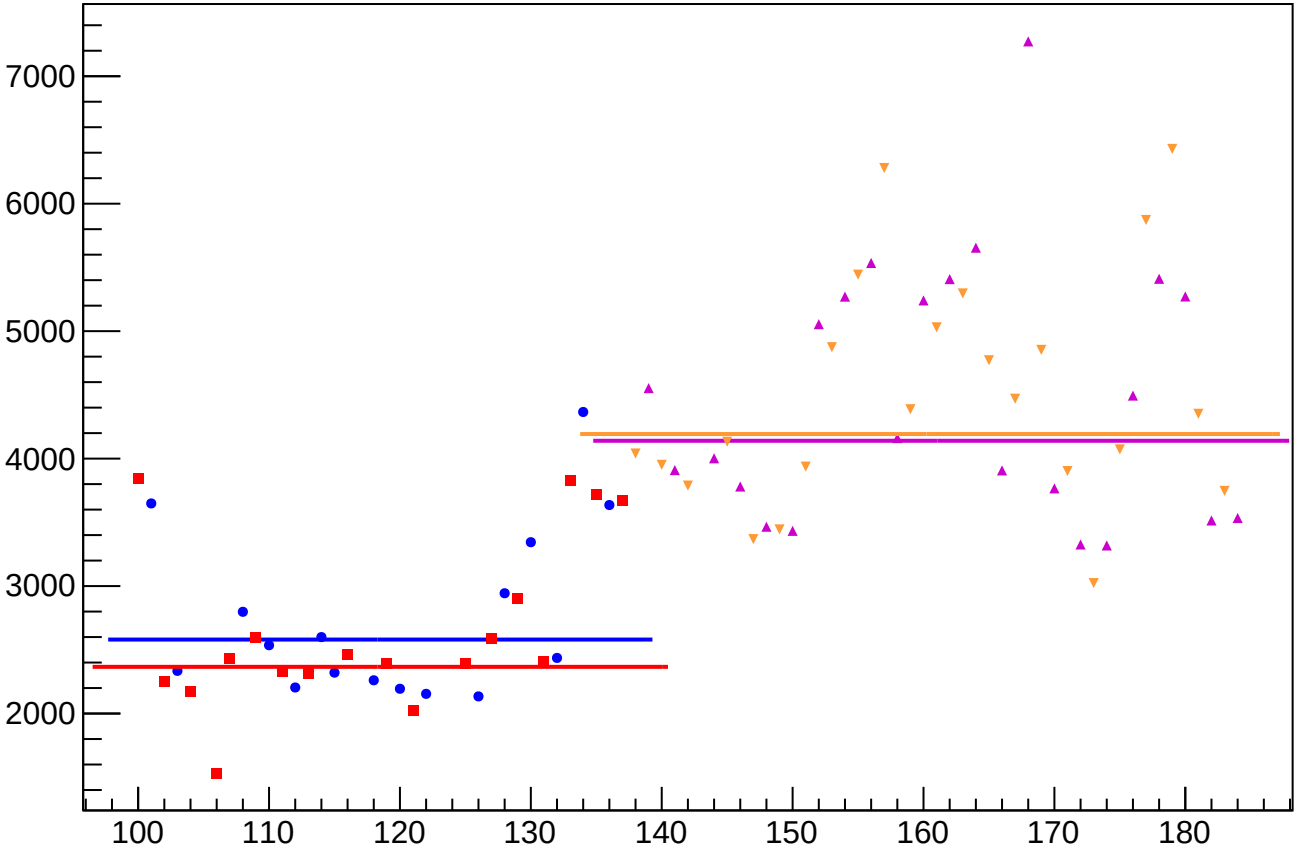
+ sign 1072.013+/-0.153 χ^2/NDF: 1971077.5/38

All: 1067.958+/-0.108 χ^2/NDF: 3792398.5/79

- sign 1063.974+/-0.152 χ^2/NDF: 1819932.7/40


asym_usl_atl2_dd_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 575.271+/-984.888 χ²/NDF: 14.7/15
Left Out: 107.820+/-1004.138 χ²/NDF:28.5/22
Right Out: 197.953+/-894.121 χ²/NDF: 17.2/17
Left In: -266.235+/-990.083 χ²/NDF:13.4/22
+ sign 346.069+/-703.128 χ²/NDF: 43.3/38
All: 157.443+/-482.597 χ²/NDF: 74.2/79
- sign -10.561+/-663.579 χ²/NDF: 30.7/40

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

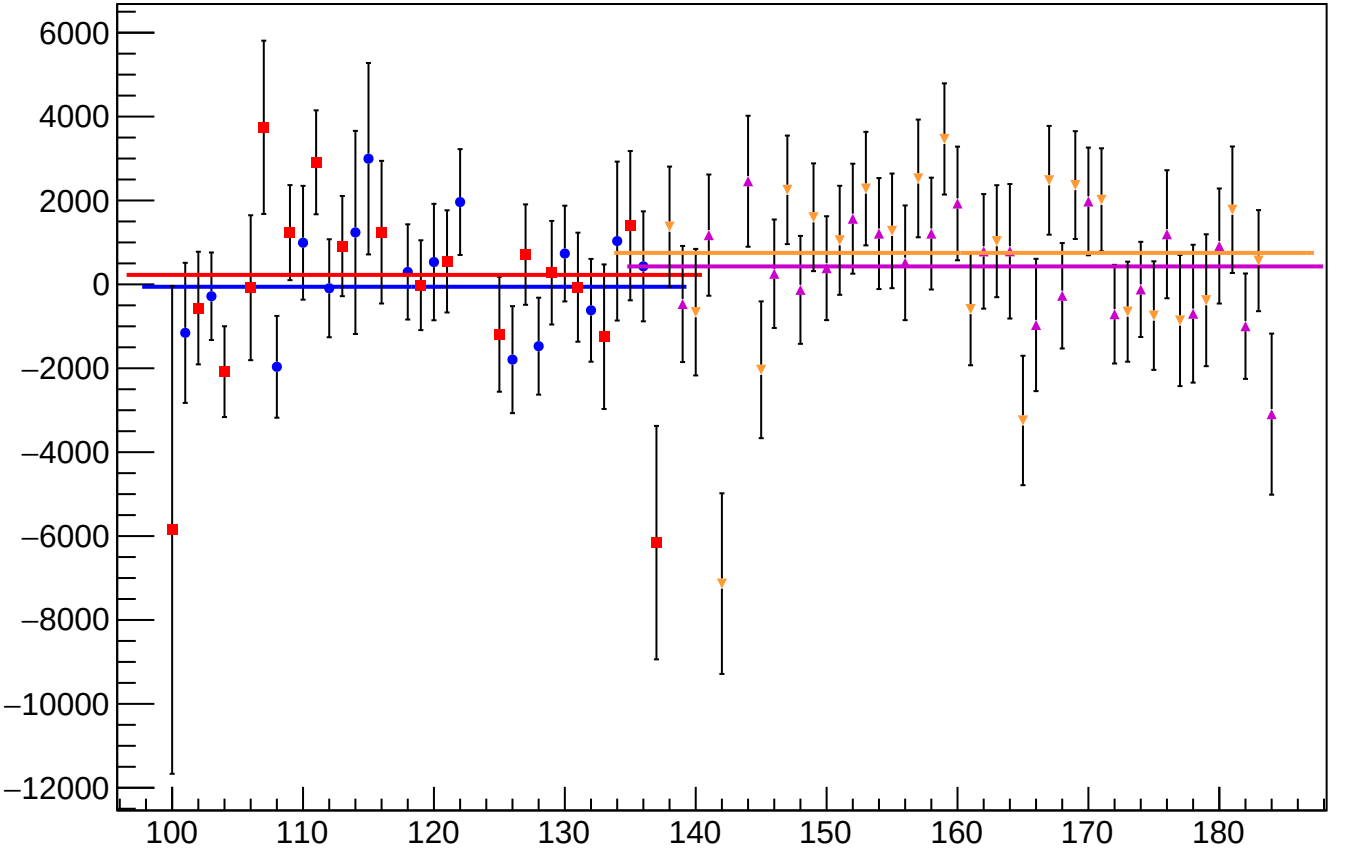
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3370.994+/-0.497 χ^2/NDF: 4511186.1/38

All: 3261.055+/-0.341 χ^2/NDF: 10200414.8/7

- sign 3163.135+/-0.469 χ^2/NDF: 5596783.4/40

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

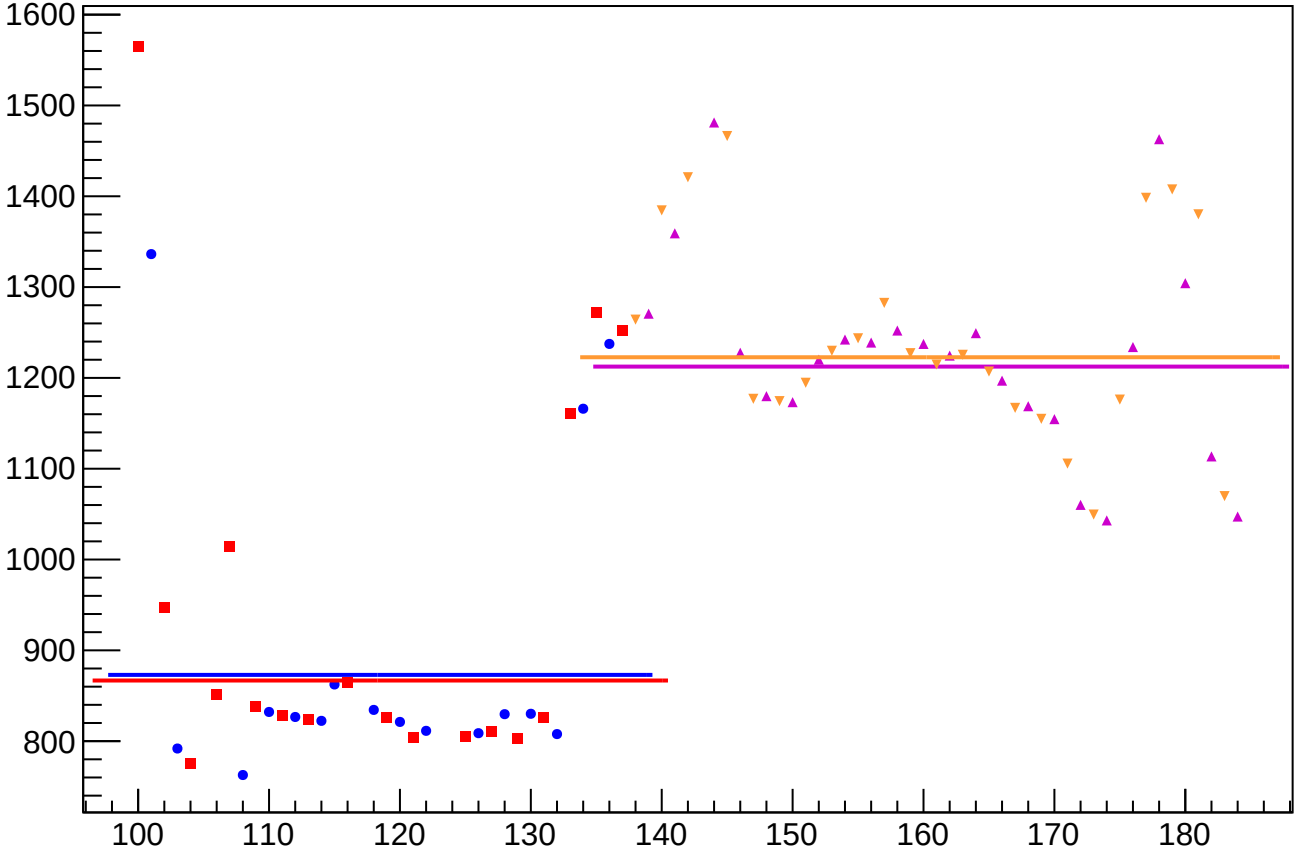
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 402.495+/-216.686 χ^2/NDF: 59.8/38

All: 371.691+/-152.580 χ^2/NDF: 97.6/79

- sign 341.398+/-214.887 χ^2/NDF: 37.7/40

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

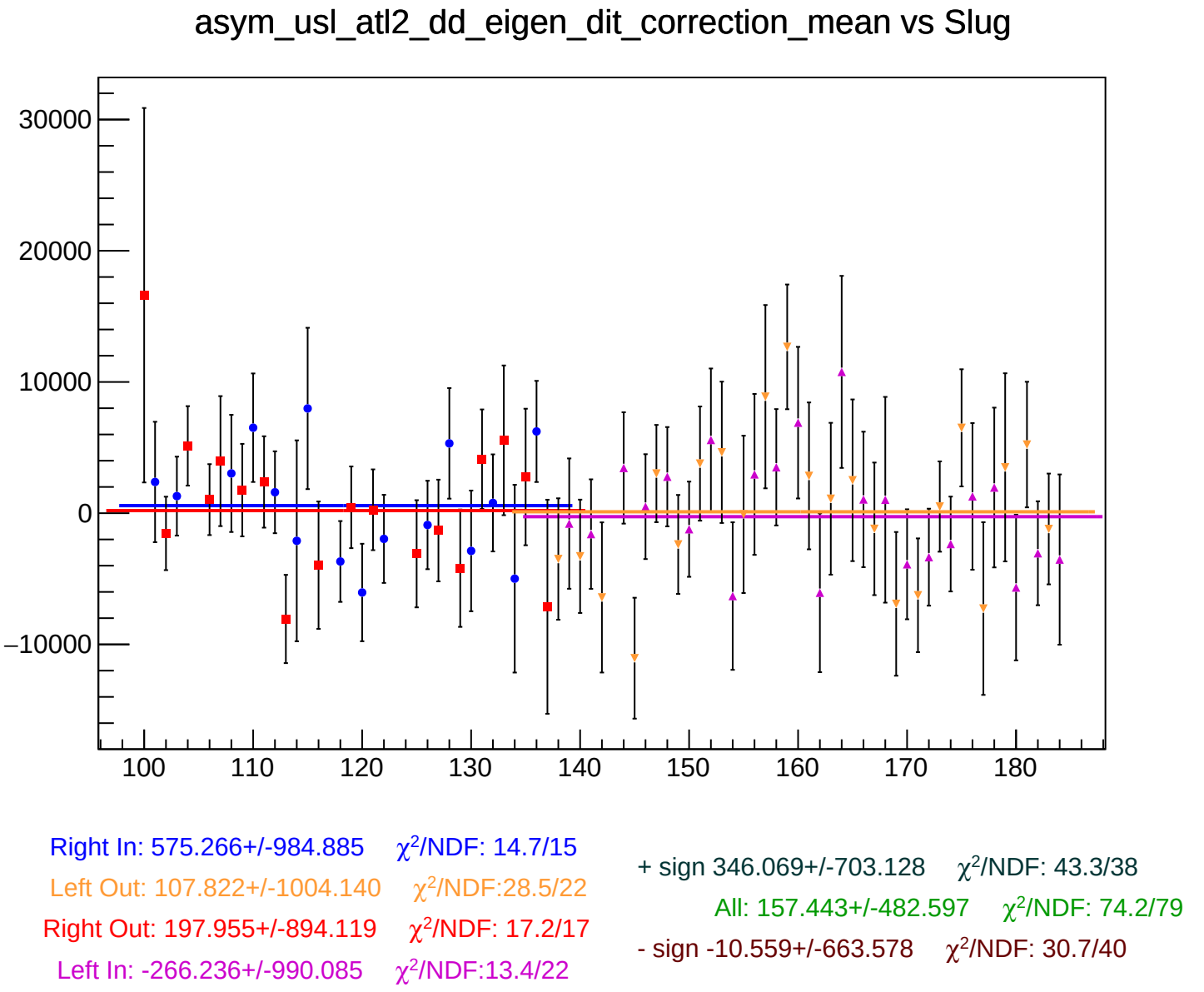
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

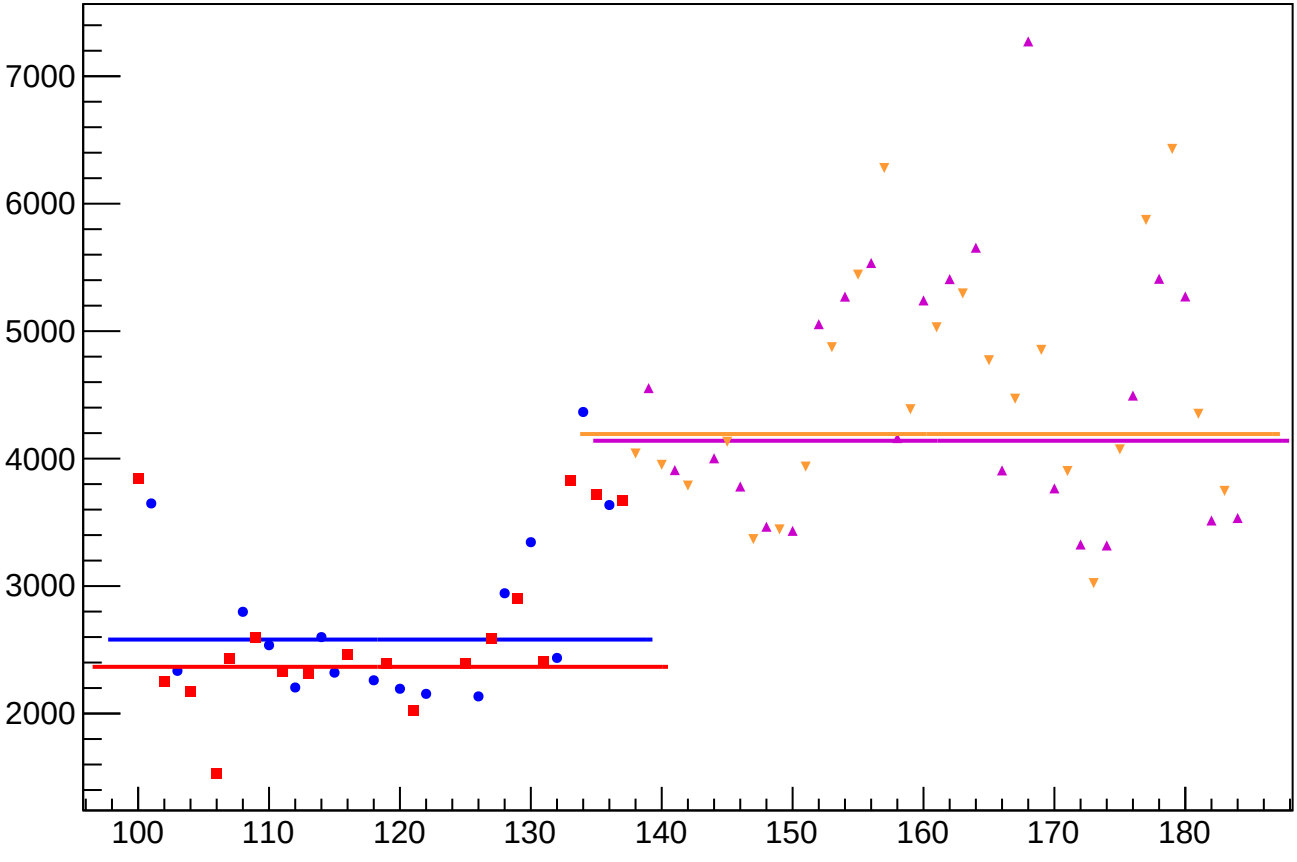
+ sign 1072.013+/-0.153 χ^2/NDF: 1971094.3/38

All: 1067.959+/-0.108 χ^2/NDF: 3792431.9/79

- sign 1063.975+/-0.152 χ^2/NDF: 1819949.3/40


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 575.266+/-984.885 χ²/NDF: 14.7/15
Left Out: 107.822+/-1004.140 χ²/NDF:28.5/22
Right Out: 197.955+/-894.119 χ²/NDF: 17.2/17
Left In: -266.236+/-990.085 χ²/NDF:13.4/22
+ sign 346.069+/-703.128 χ²/NDF: 43.3/38
All: 157.443+/-482.597 χ²/NDF: 74.2/79
- sign -10.559+/-663.578 χ²/NDF: 30.7/40

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

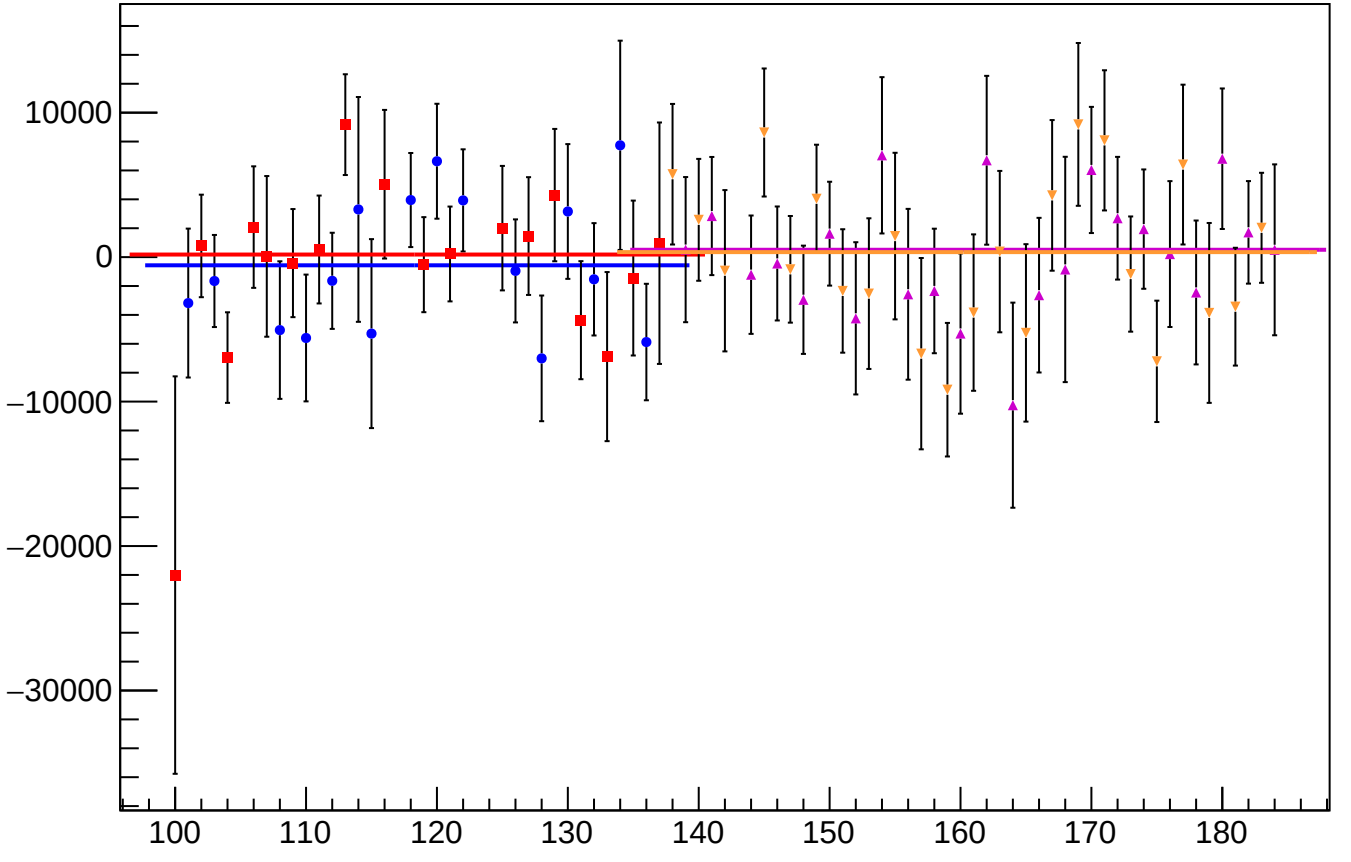
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3370.990+/-0.497 χ^2/NDF: 4511248.5/38

All: 3261.050+/-0.341 χ^2/NDF: 10200540.3/7

- sign 3163.130+/-0.469 χ^2/NDF: 5596846.2/40

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

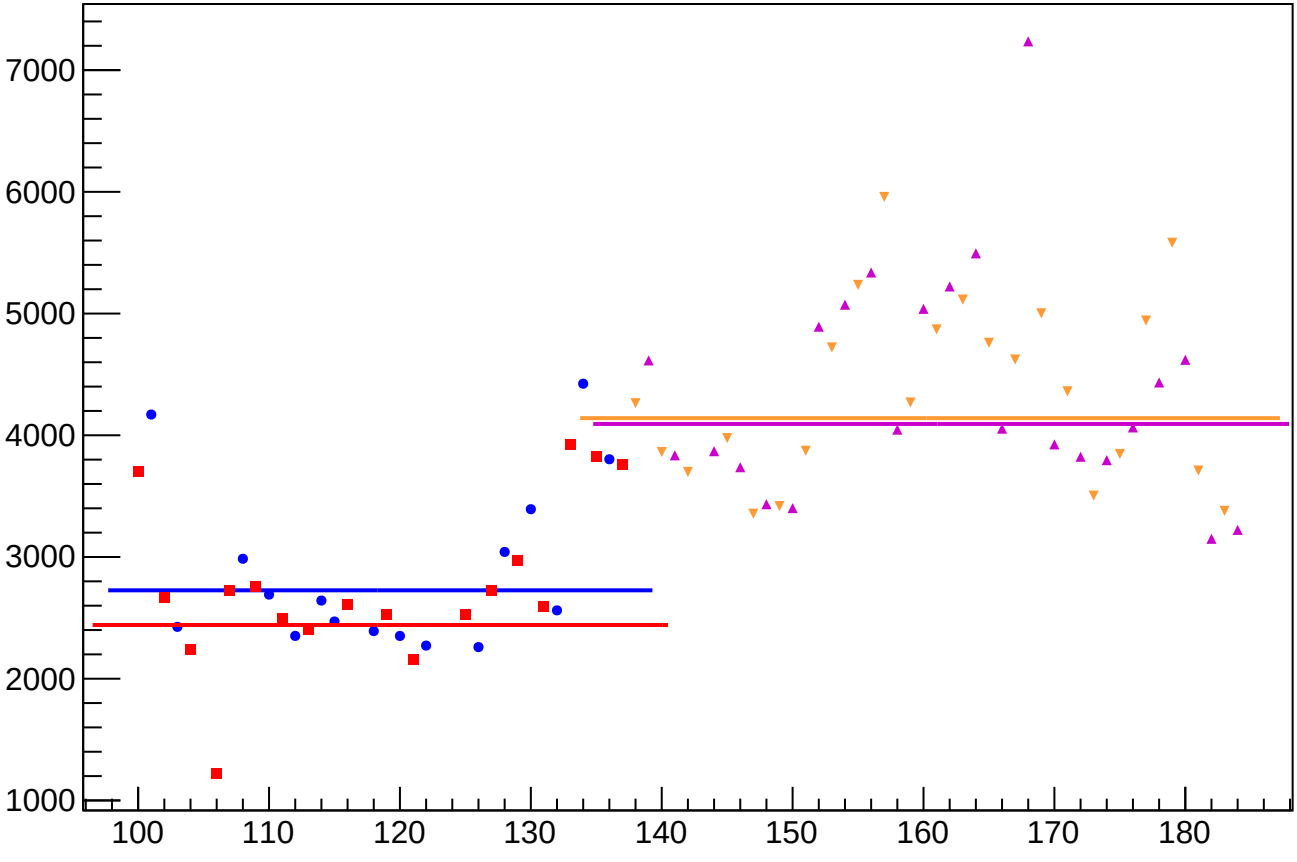
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -85.320+/-715.735 χ^2/NDF: 42.0/38

All: 137.148+/-498.171 χ^2/NDF: 75.2/79

- sign 346.199+/-693.817 χ^2/NDF: 33.1/40

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

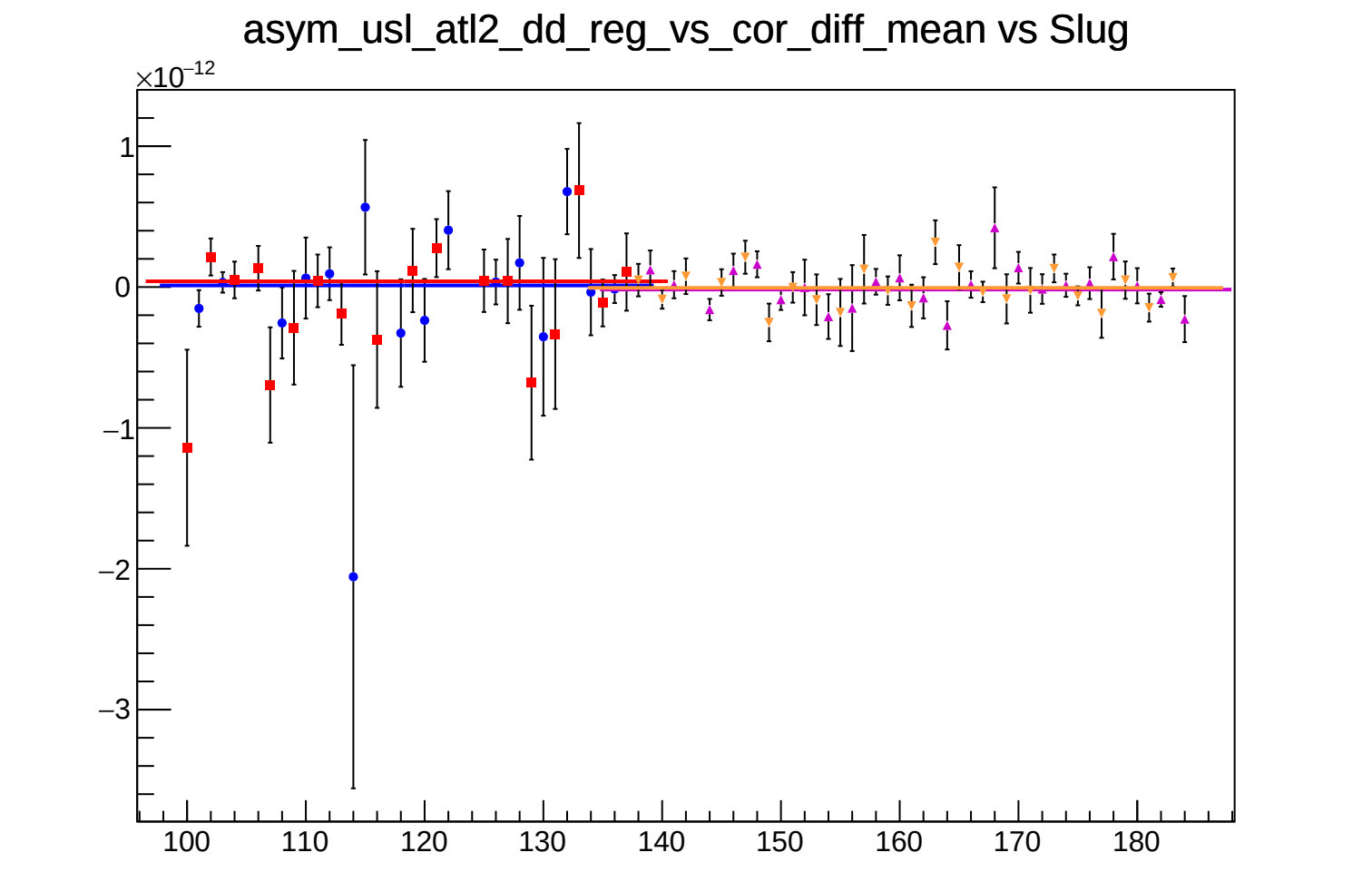
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3471.177+/-0.506 χ^2/NDF: 3515073.4/38

All: 3349.554+/-0.348 χ^2/NDF: 8646129.1/79

- sign 3240.538+/-0.479 χ^2/NDF: 5021541.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/22

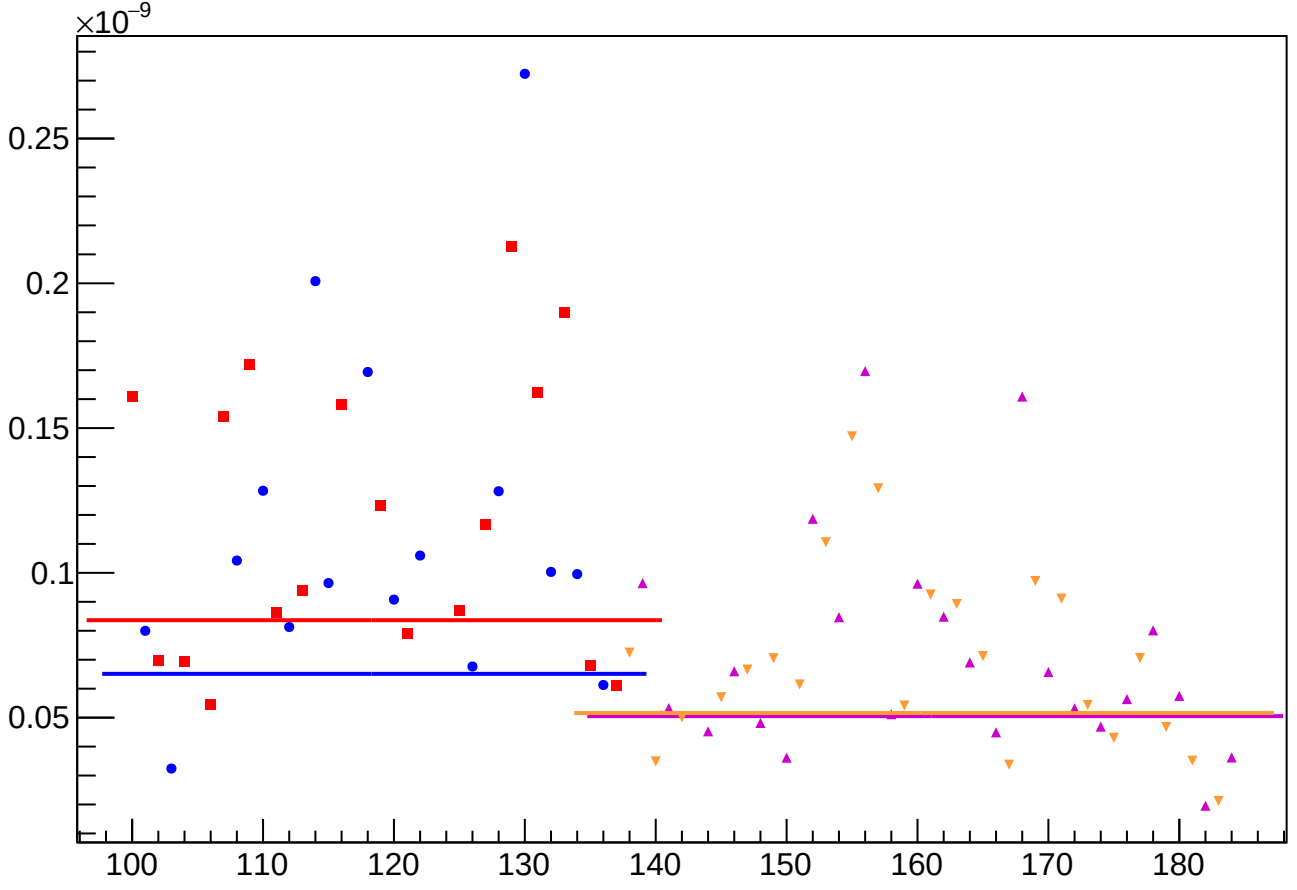
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

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

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/38

All: -0.000+/-0.000 χ^2/NDF: 83.0/79

- sign -0.000+/-0.000 χ^2/NDF: 43.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2269132.8/22

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

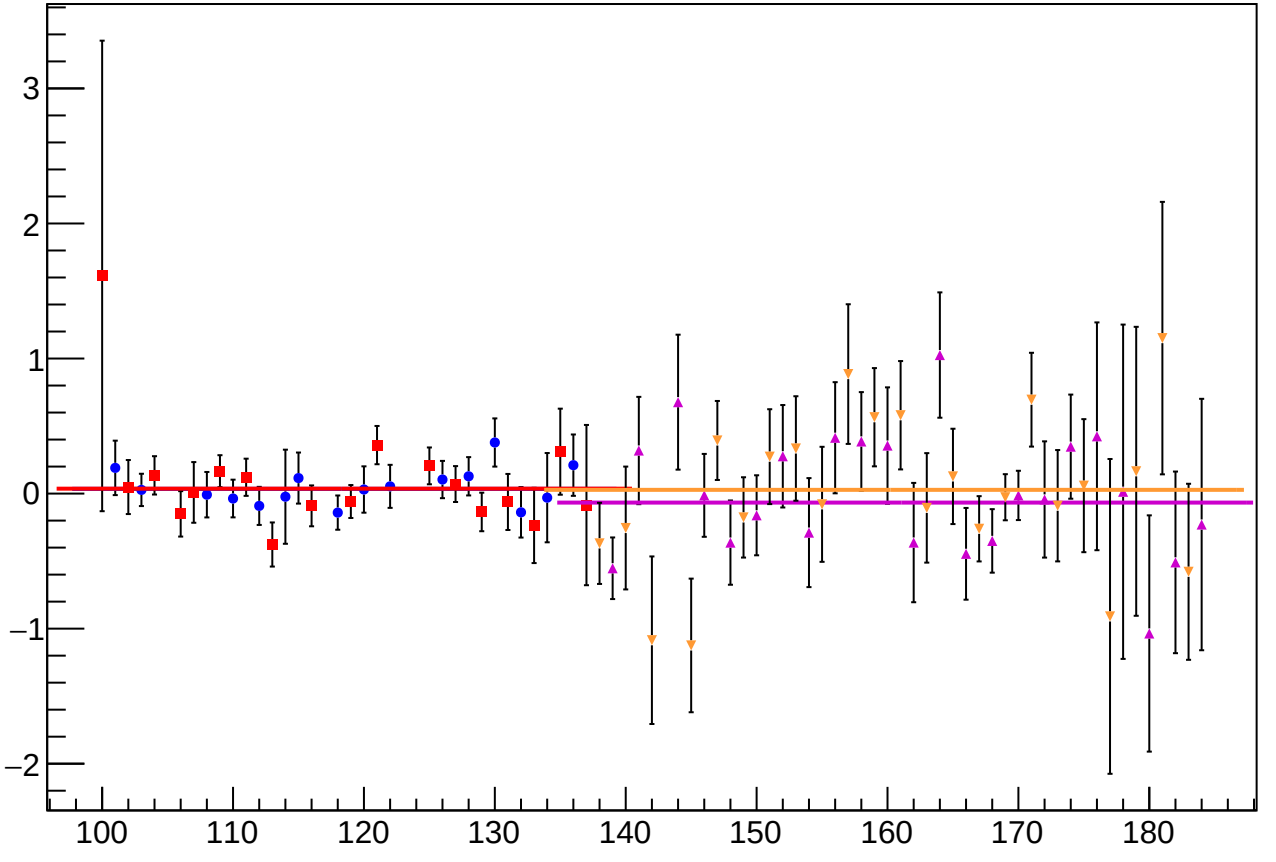
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3641680.0/38

All: 0.000+/-0.000 χ^2/NDF: 7428476.0/79

- sign 0.000+/-0.000 χ^2/NDF: 3784398.2/40

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

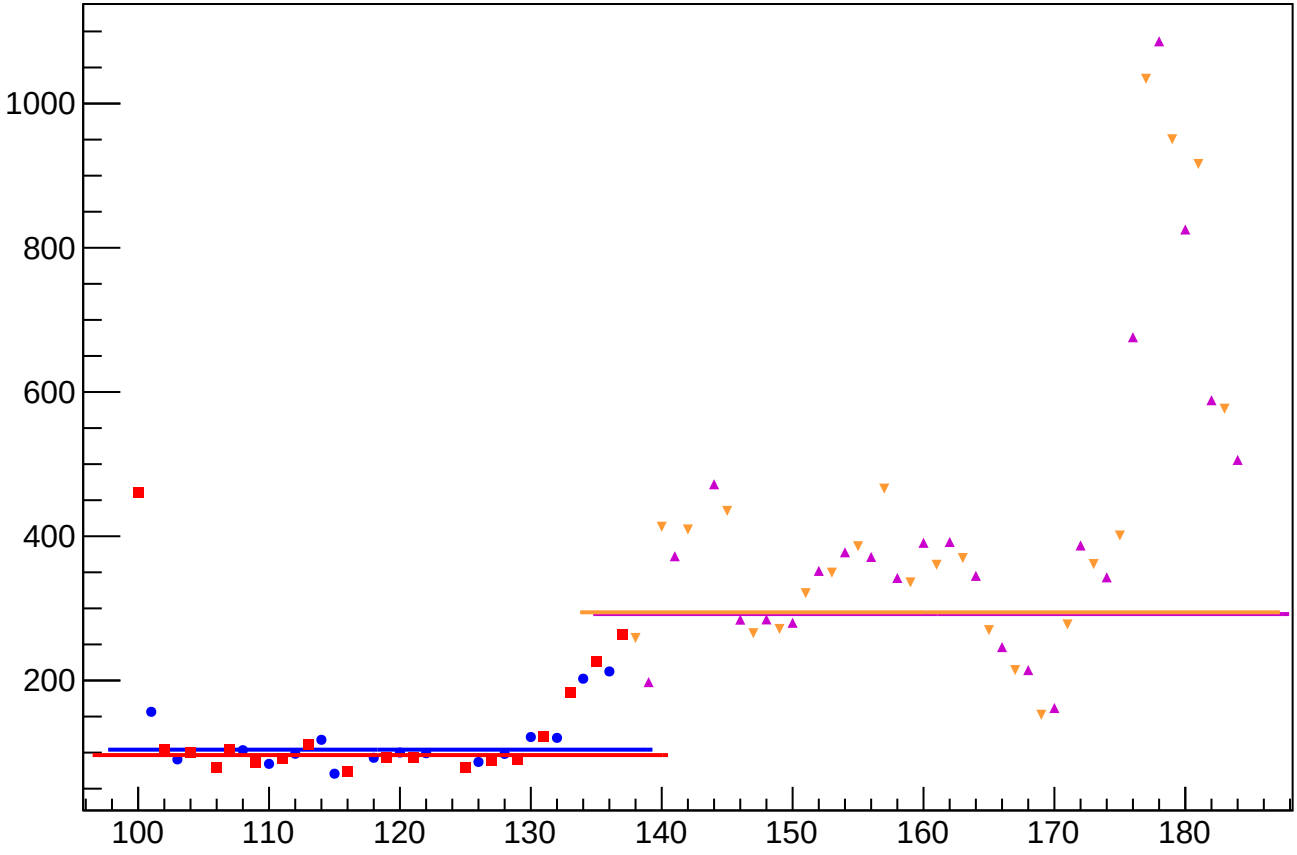
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.033+/-0.036 χ^2/NDF: 38.8/38

All: 0.023+/-0.025 χ^2/NDF: 88.2/79

- sign 0.014+/-0.035 χ^2/NDF: 49.2/40

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

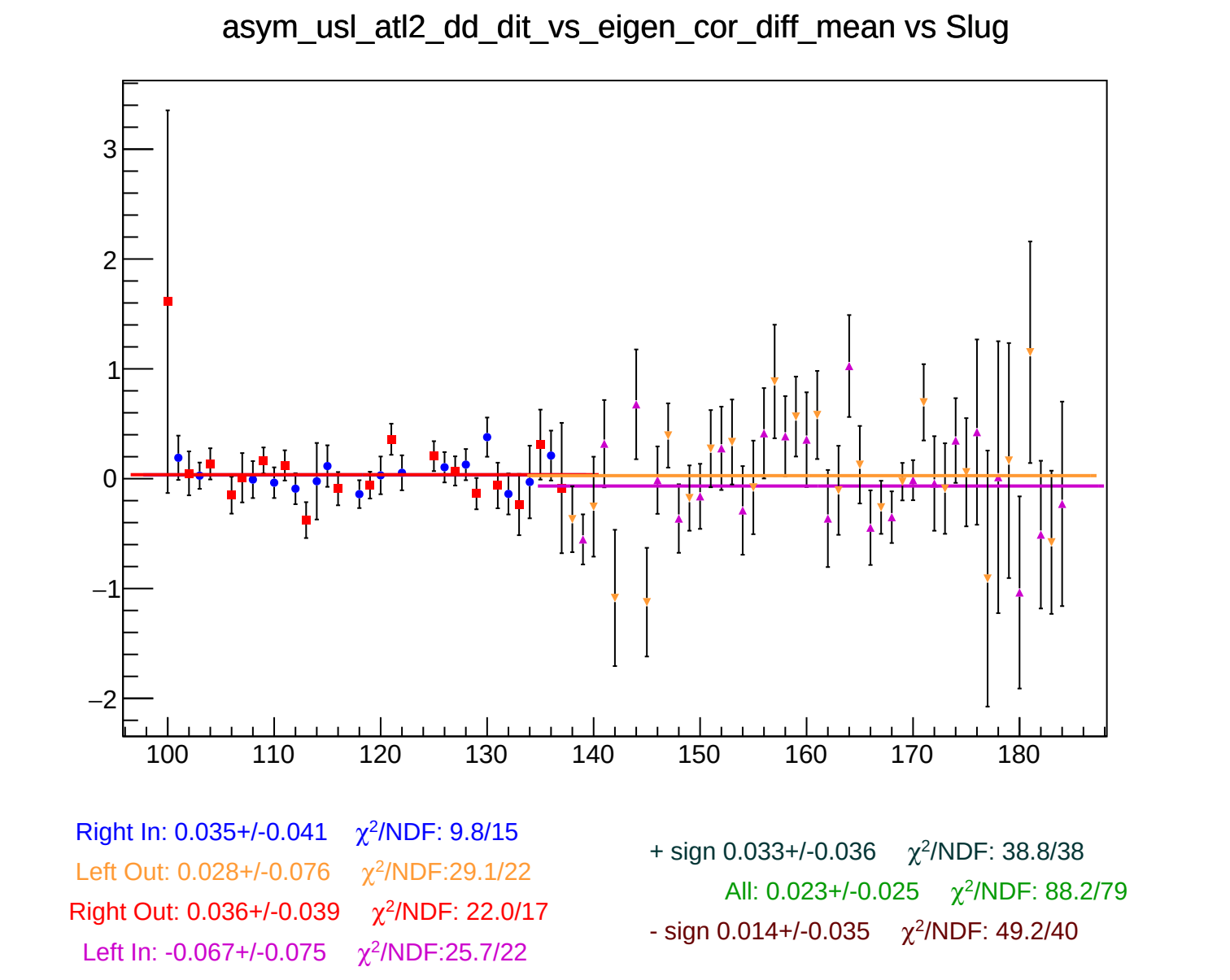
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 146.903+/-0.026 χ^2/NDF: 16070596.3/38

All: 142.385+/-0.018 χ^2/NDF: 32916920.2/79

- sign 138.263+/-0.024 χ^2/NDF: 16786498.2/40


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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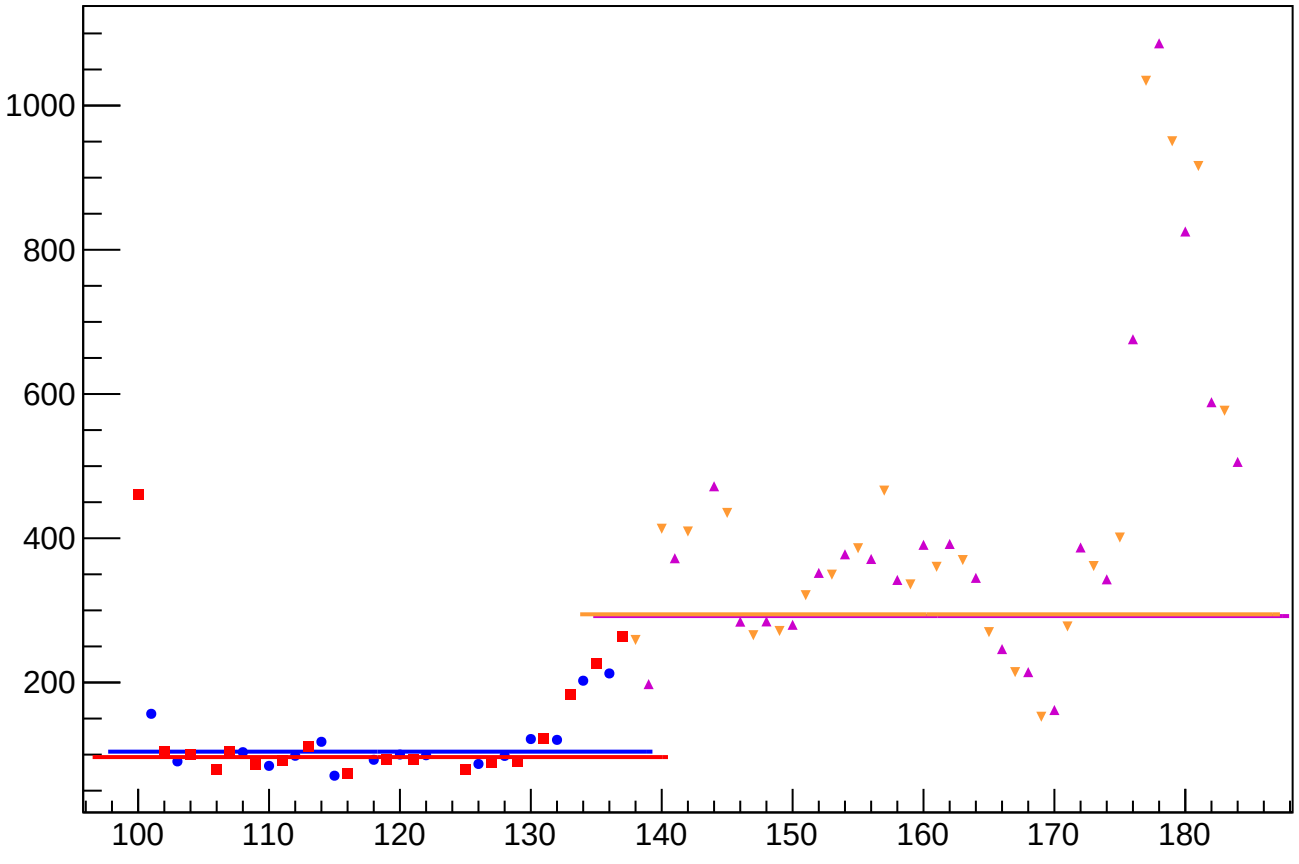
170
180
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.028+/-0.076 χ²/NDF:29.1/22
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.033+/-0.036 χ²/NDF: 38.8/38
All: 0.023+/-0.025 χ²/NDF: 88.2/79
- sign 0.014+/-0.035 χ²/NDF: 49.2/40



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 294.544+/-0.054 χ^2/NDF:5396458.7/22

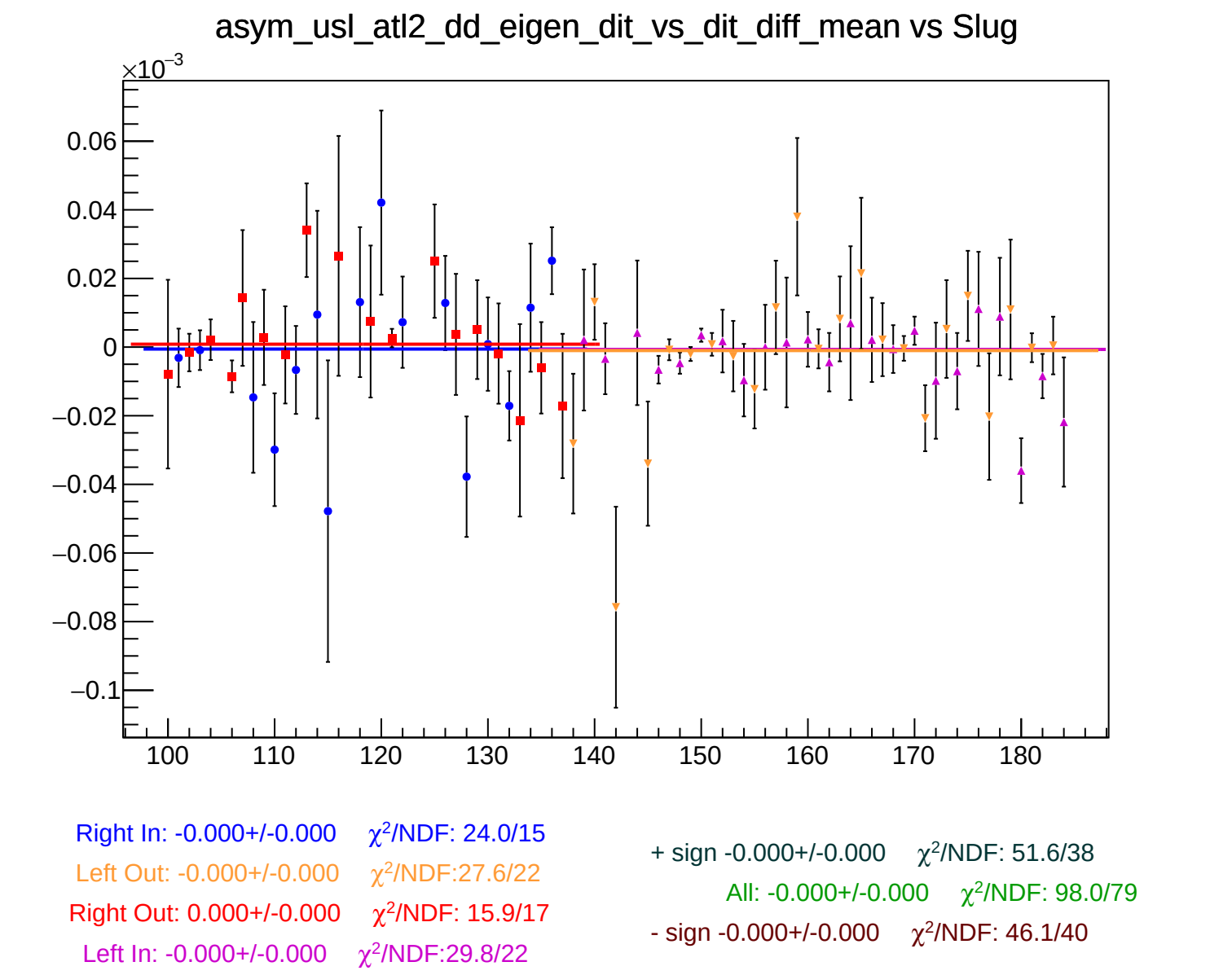
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 146.903+/-0.026 χ^2/NDF: 16070596.3/38

All: 142.385+/-0.018 χ^2/NDF: 32916920.2/79

- sign 138.263+/-0.024 χ^2/NDF: 16786498.2/40


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
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−0.08
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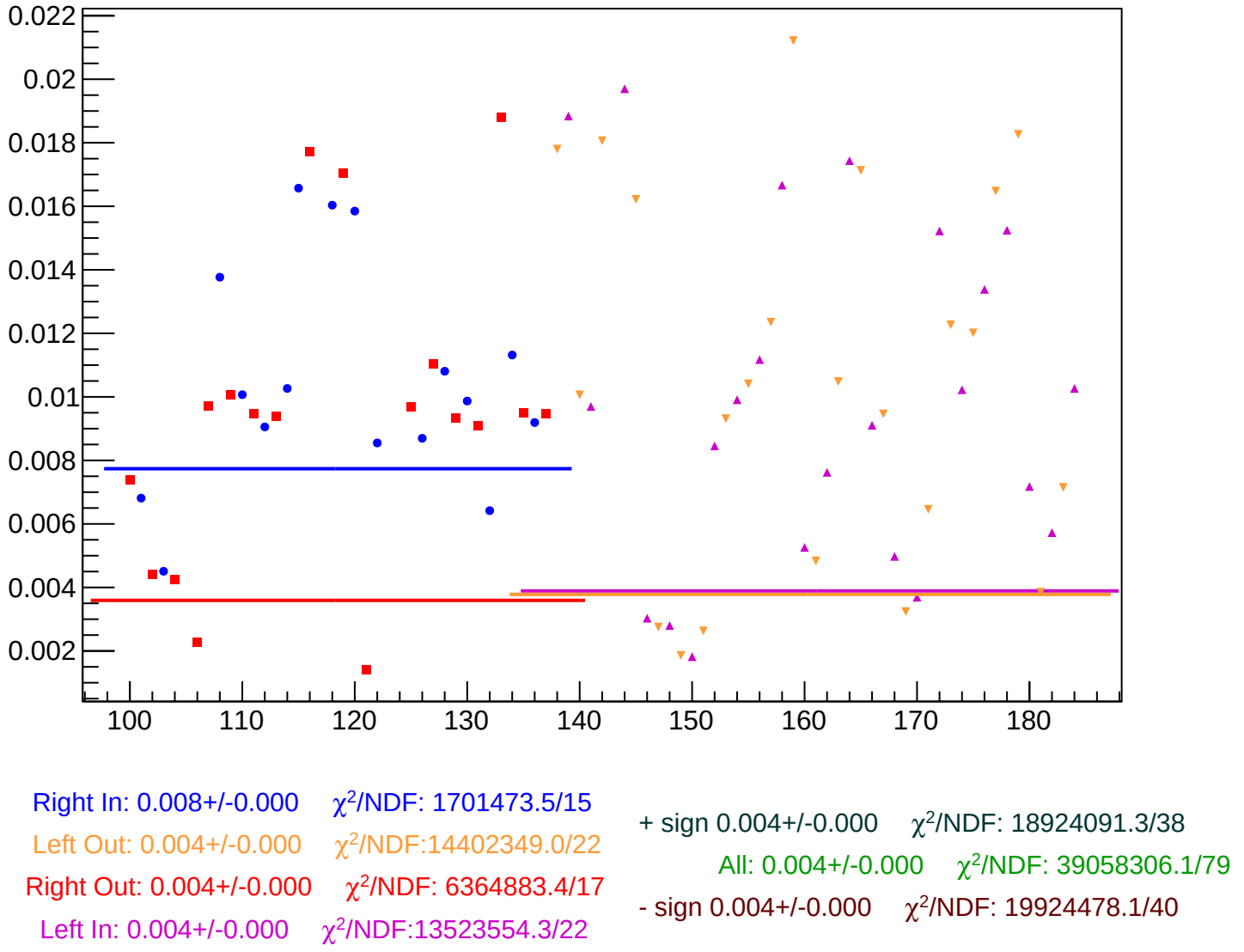
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.6/22
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:29.8/22
+ sign -0.000+/-0.000 χ²/NDF: 51.6/38
All: -0.000+/-0.000 χ²/NDF: 98.0/79
- sign -0.000+/-0.000 χ²/NDF: 46.1/40


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
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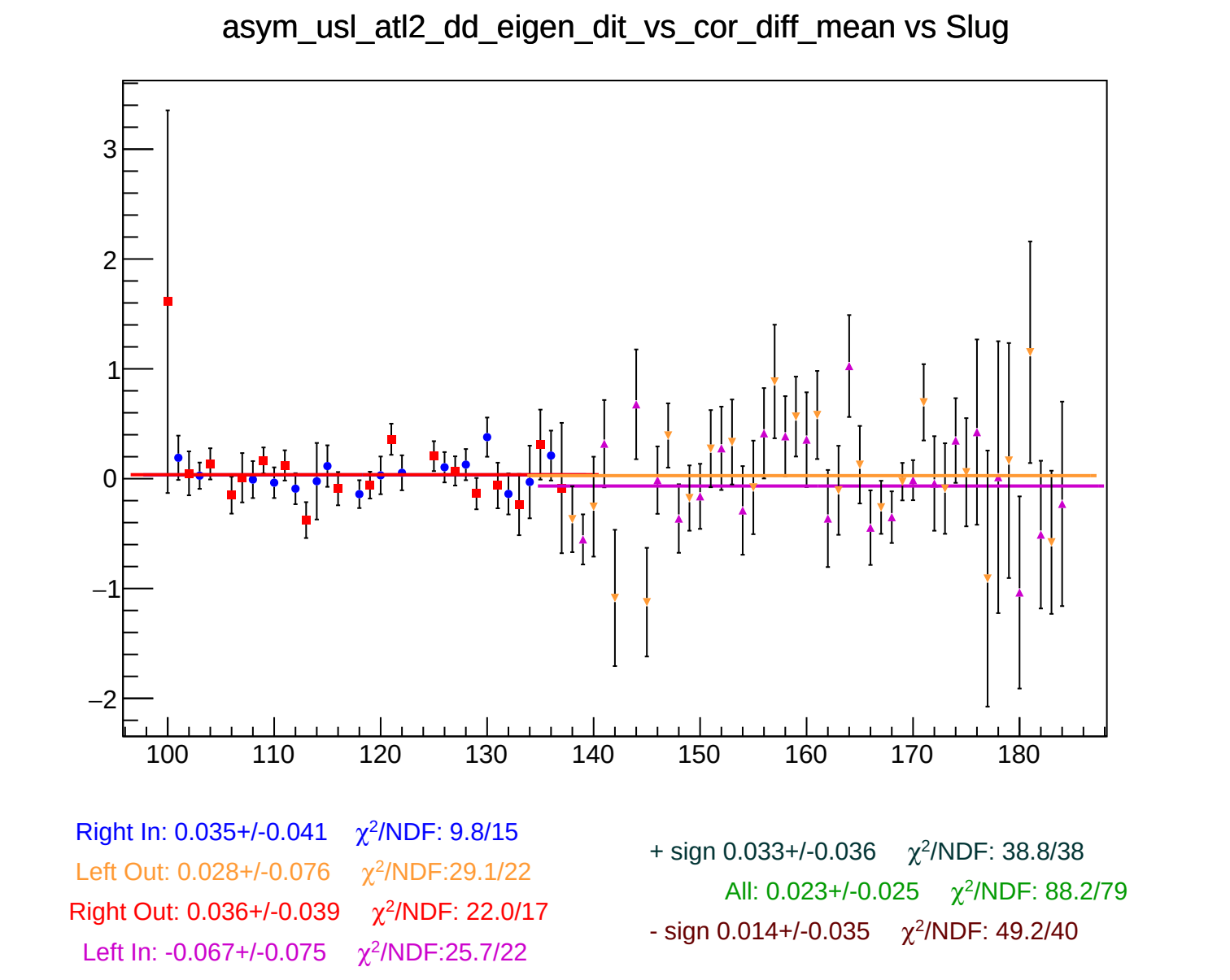
170
180
Right In: 0.008+/-0.000 χ²/NDF: 1701473.5/15
Left Out: 0.004+/-0.000 χ²/NDF:14402349.0/22
Right Out: 0.004+/-0.000 χ²/NDF: 6364883.4/17
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.004+/-0.000 χ²/NDF: 18924091.3/38
All: 0.004+/-0.000 χ²/NDF: 39058306.1/79
- sign 0.004+/-0.000 χ²/NDF: 19924478.1/40


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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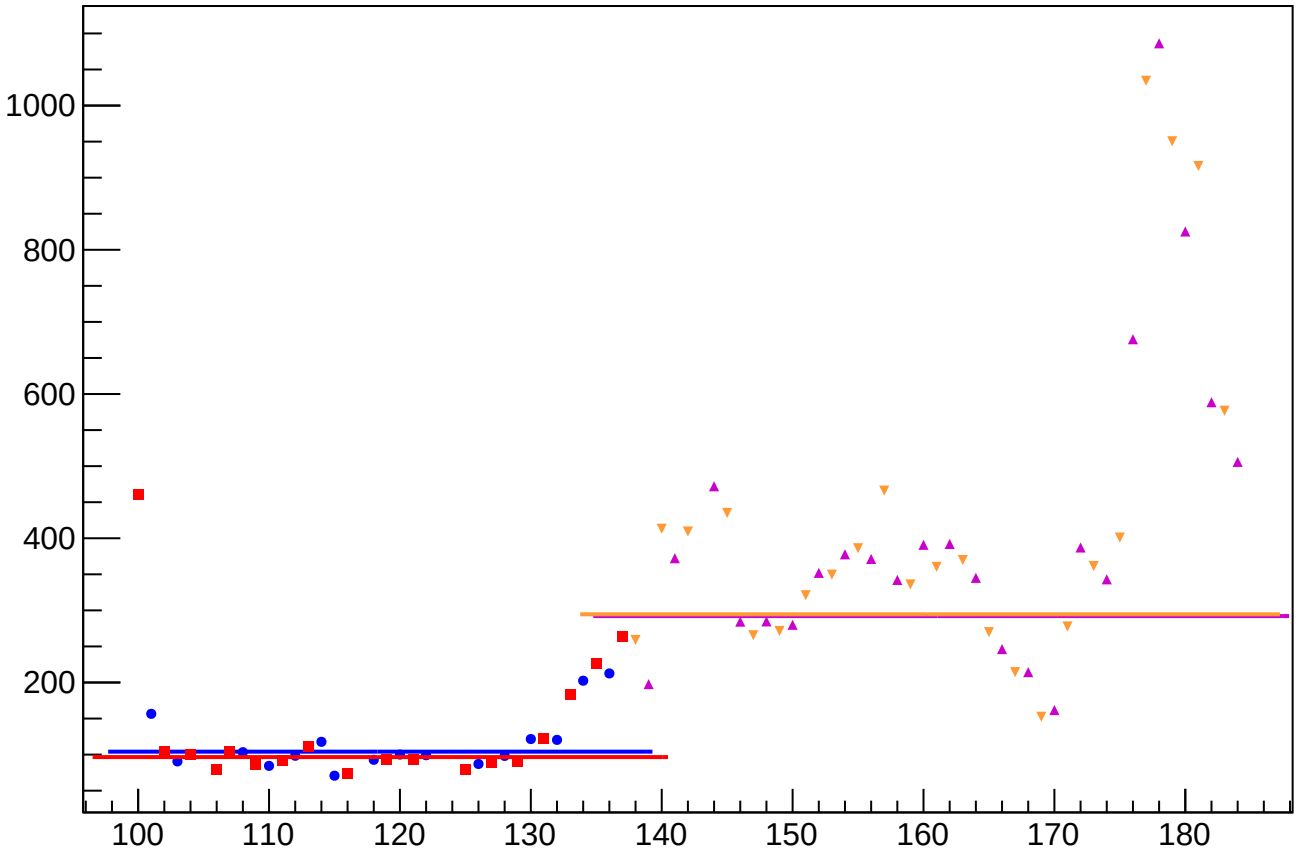
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.028+/-0.076 χ²/NDF:29.1/22
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.033+/-0.036 χ²/NDF: 38.8/38
All: 0.023+/-0.025 χ²/NDF: 88.2/79
- sign 0.014+/-0.035 χ²/NDF: 49.2/40



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 294.546+/-0.054 χ^2/NDF:5396517.1/22

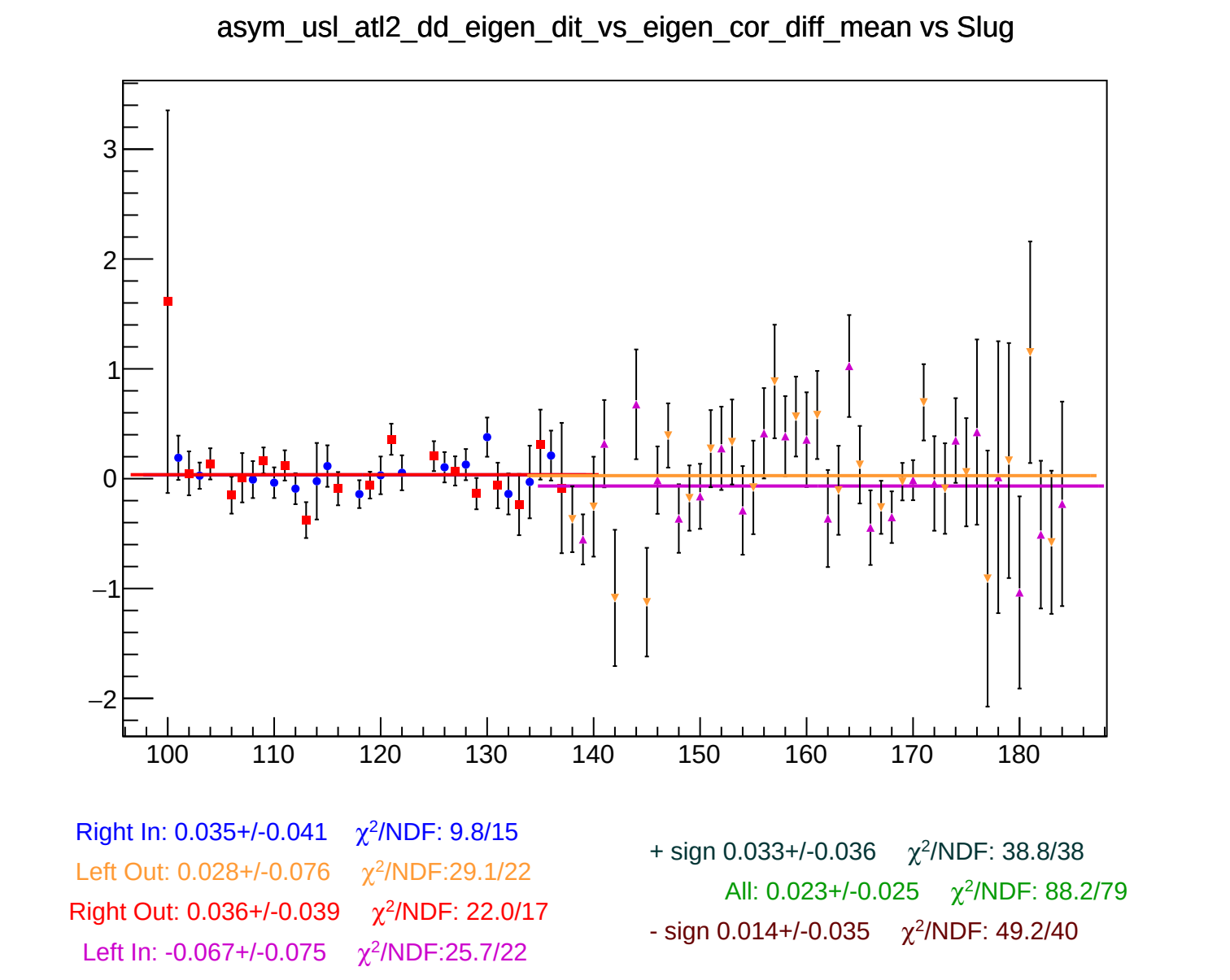
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 146.904+/-0.026 χ^2/NDF: 16070571.7/38

All: 142.386+/-0.018 χ^2/NDF: 32916773.1/79

- sign 138.265+/-0.024 χ^2/NDF: 16786385.0/40


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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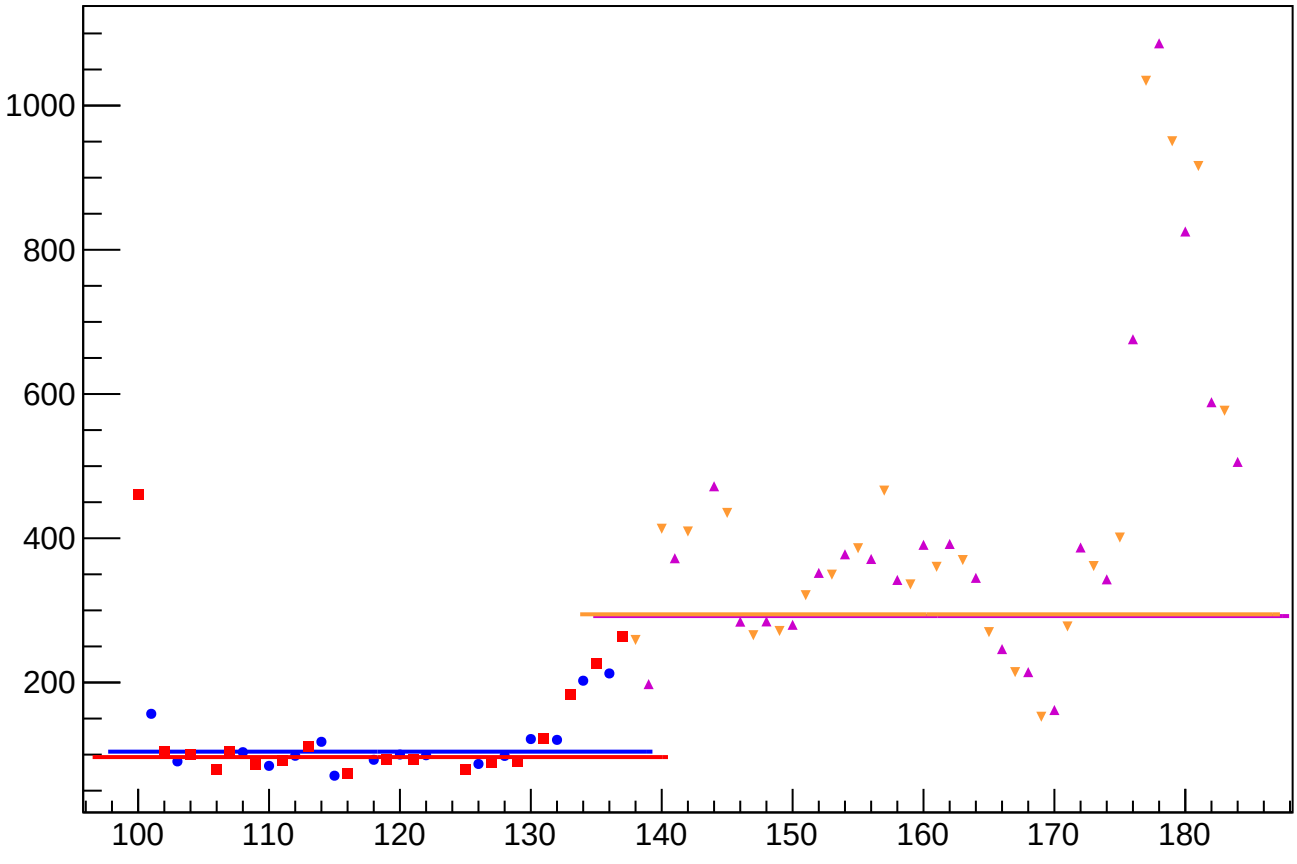
160
170
180
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.028+/-0.076 χ²/NDF:29.1/22
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.033+/-0.036 χ²/NDF: 38.8/38
All: 0.023+/-0.025 χ²/NDF: 88.2/79
- sign 0.014+/-0.035 χ²/NDF: 49.2/40



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 294.546+/-0.054 χ^2/NDF:5396517.1/22

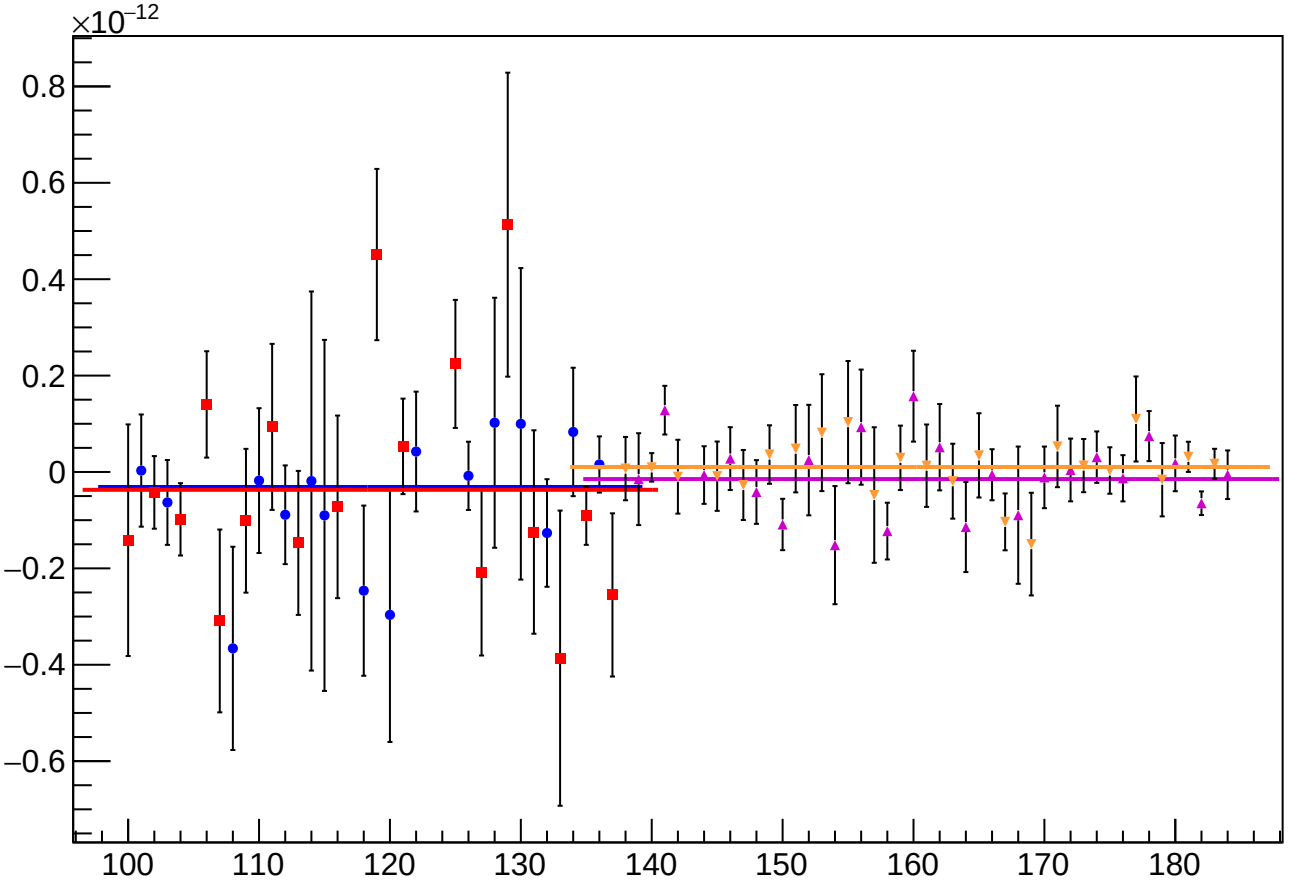
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 146.904+/-0.026 χ^2/NDF: 16070571.7/38

All: 142.386+/-0.018 χ^2/NDF: 32916773.1/79

- sign 138.265+/-0.024 χ^2/NDF: 16786385.0/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/22

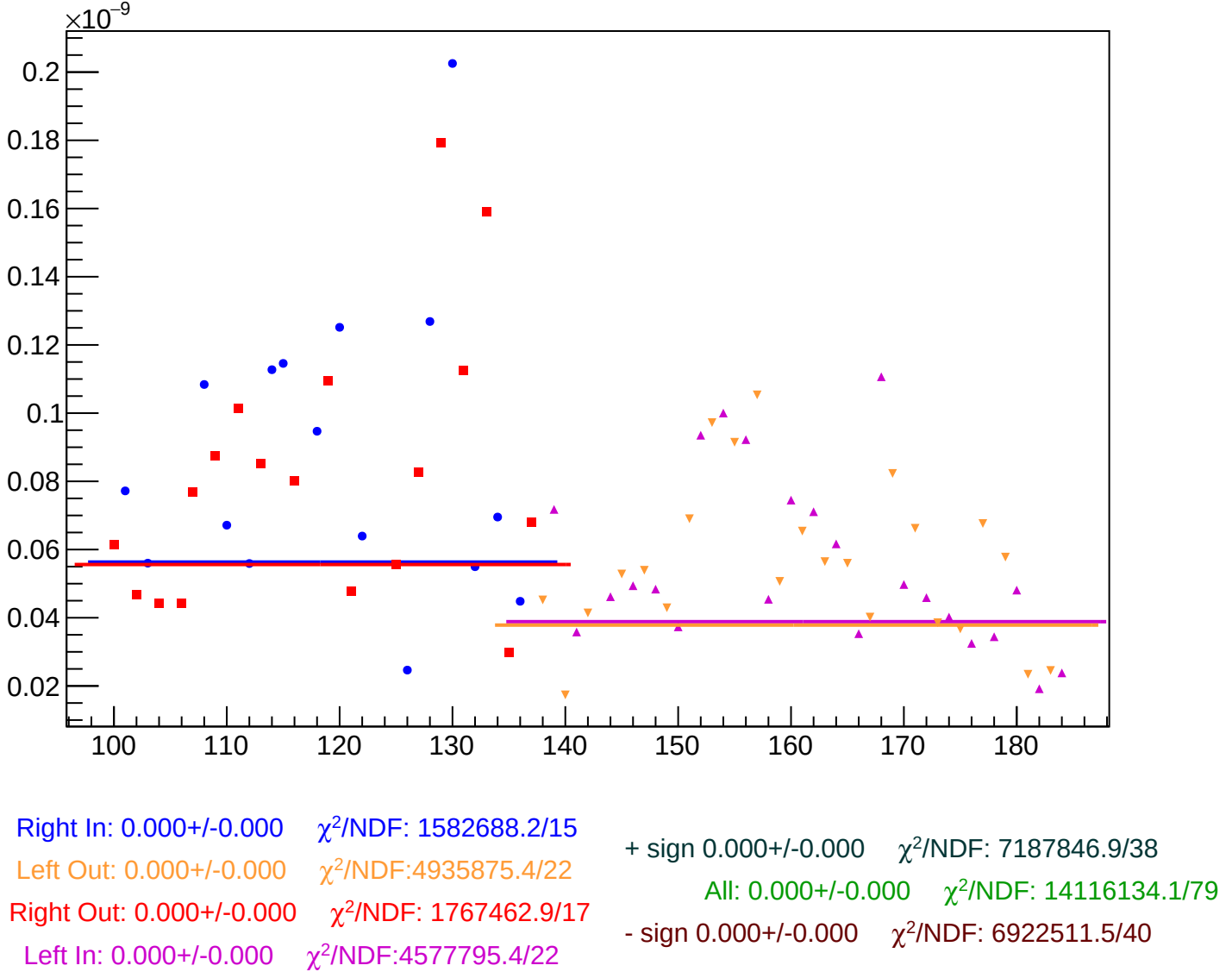
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 20.5/38

All: -0.000+/-0.000 χ^2/NDF: 81.0/79

- sign -0.000+/-0.000 χ^2/NDF: 58.5/40


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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0.18
0.16
0.14
0.12
0.1
0.08
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0.04
0.02
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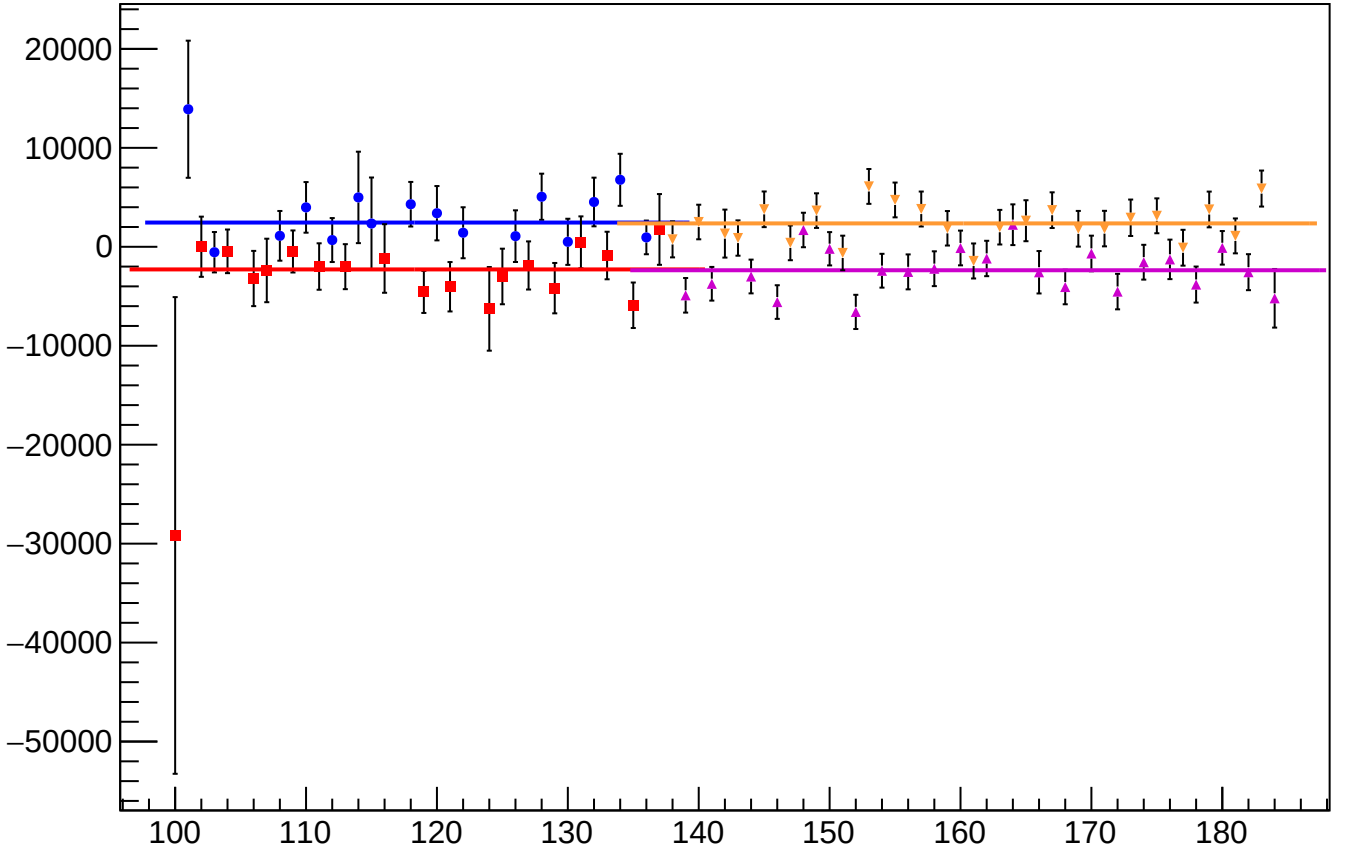
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4935875.4/22
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 7187846.9/38
All: 0.000+/-0.000 χ²/NDF: 14116134.1/79
- sign 0.000+/-0.000 χ²/NDF: 6922511.5/40

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

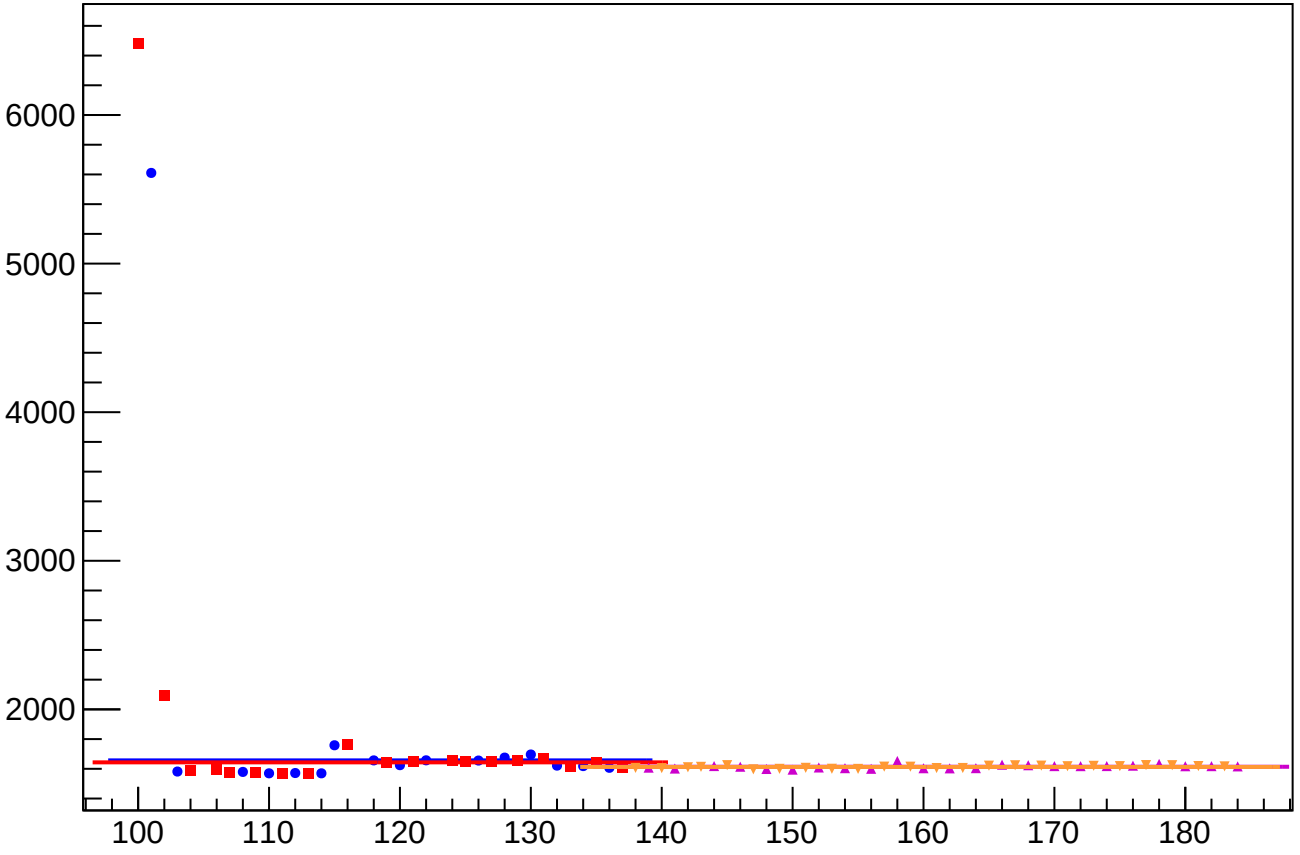
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2385.905+/-318.288 χ^2/NDF: 40.3/39

All: 35.280+/-225.823 χ^2/NDF: 195.8/81

- sign -2347.368+/-320.448 χ^2/NDF: 45.6/41

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

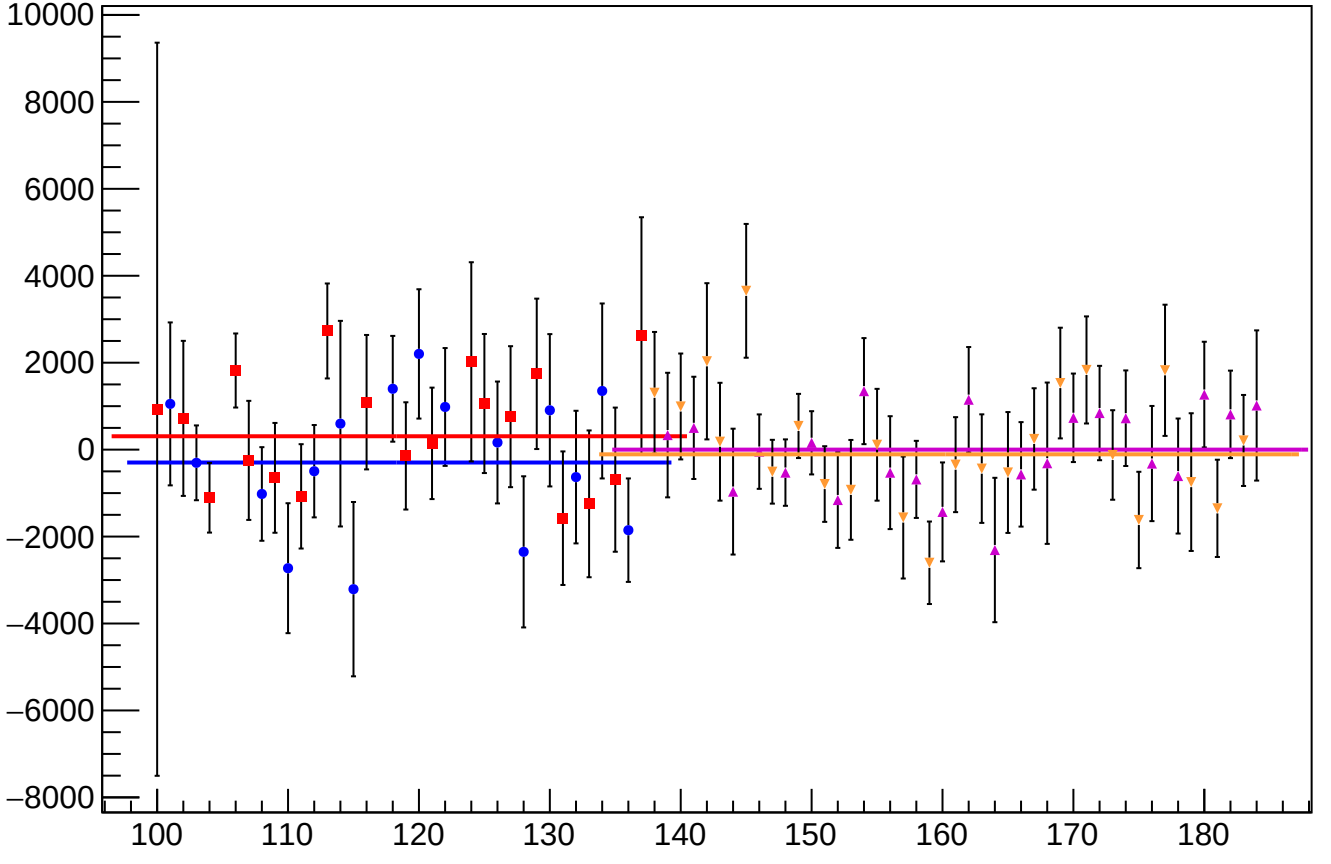
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

\+ sign 1623.832+/-0.225 χ^2/NDF: 674692.9/39

All: 1622.919+/-0.160 χ^2/NDF: 817502.6/81

\- sign 1621.995+/-0.227 χ^2/NDF: 142776.5/41

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

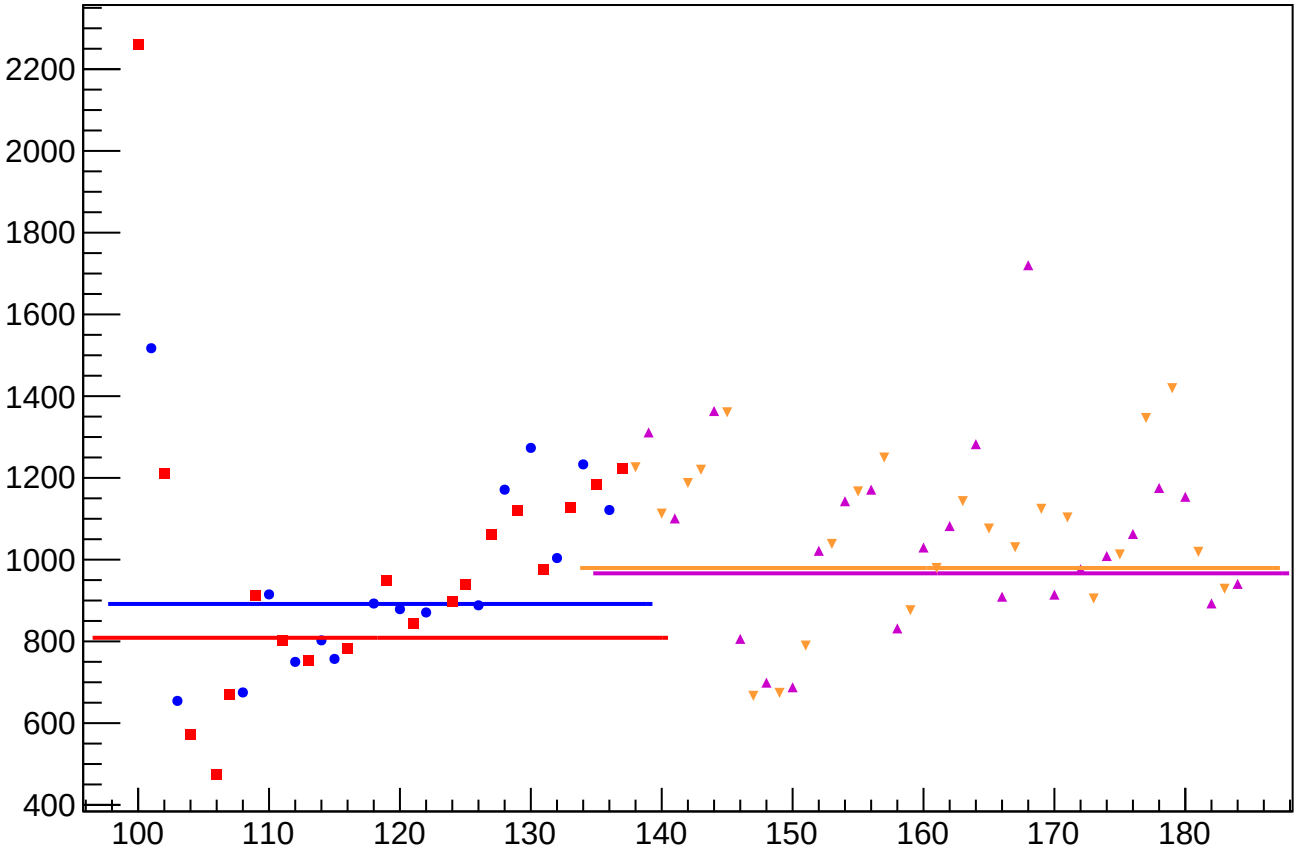
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -166.521+/-191.587 χ^2/NDF: 45.1/39

All: -24.872+/-133.574 χ^2/NDF: 78.3/81

- sign 109.108+/-186.328 χ^2/NDF: 32.2/41

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

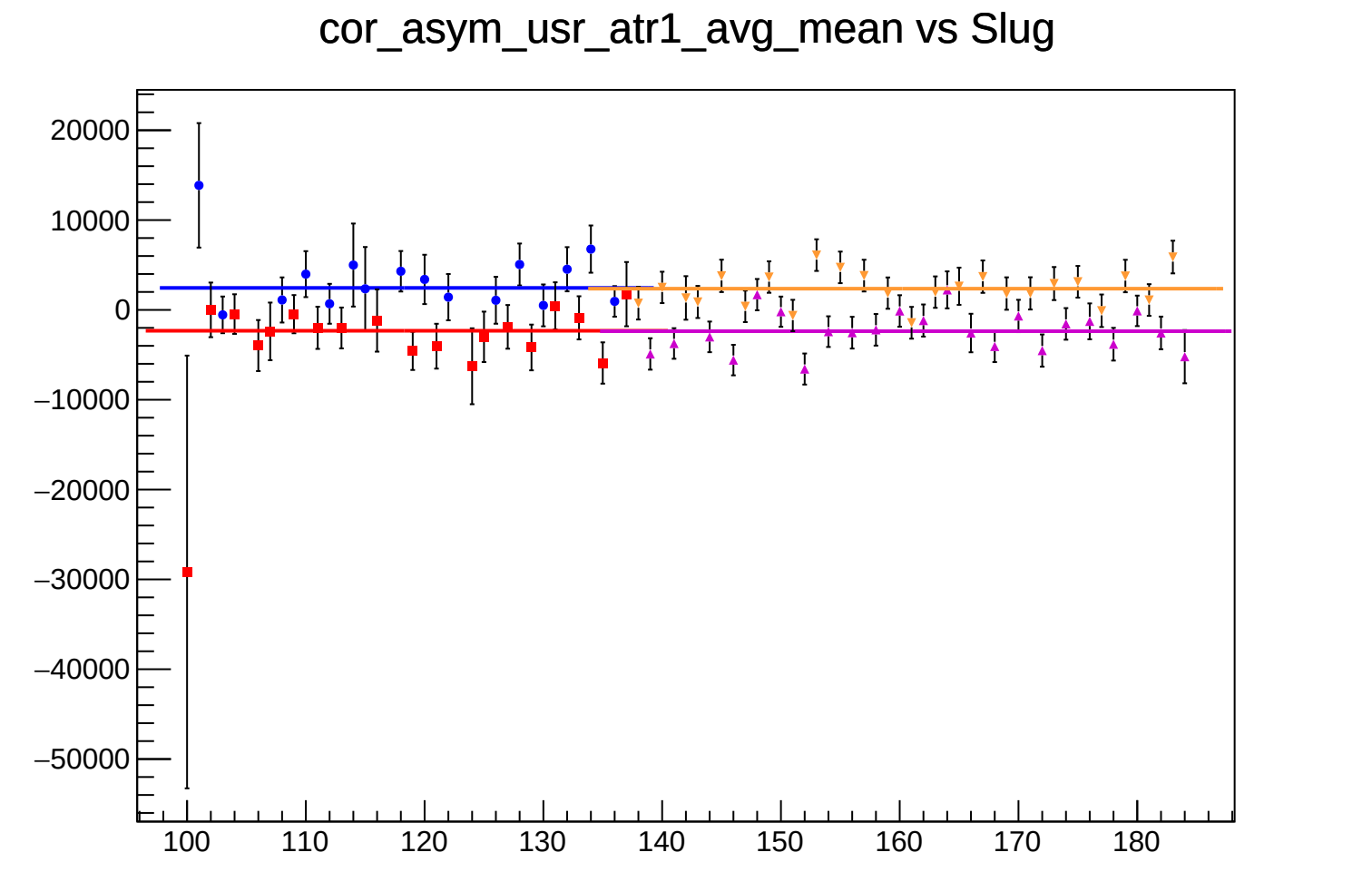
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 952.253+/-0.135 χ^2/NDF: 2514680.5/39

All: 930.861+/-0.094 χ^2/NDF: 5577513.2/81

- sign 910.626+/-0.132 χ^2/NDF: 3014310.4/41



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

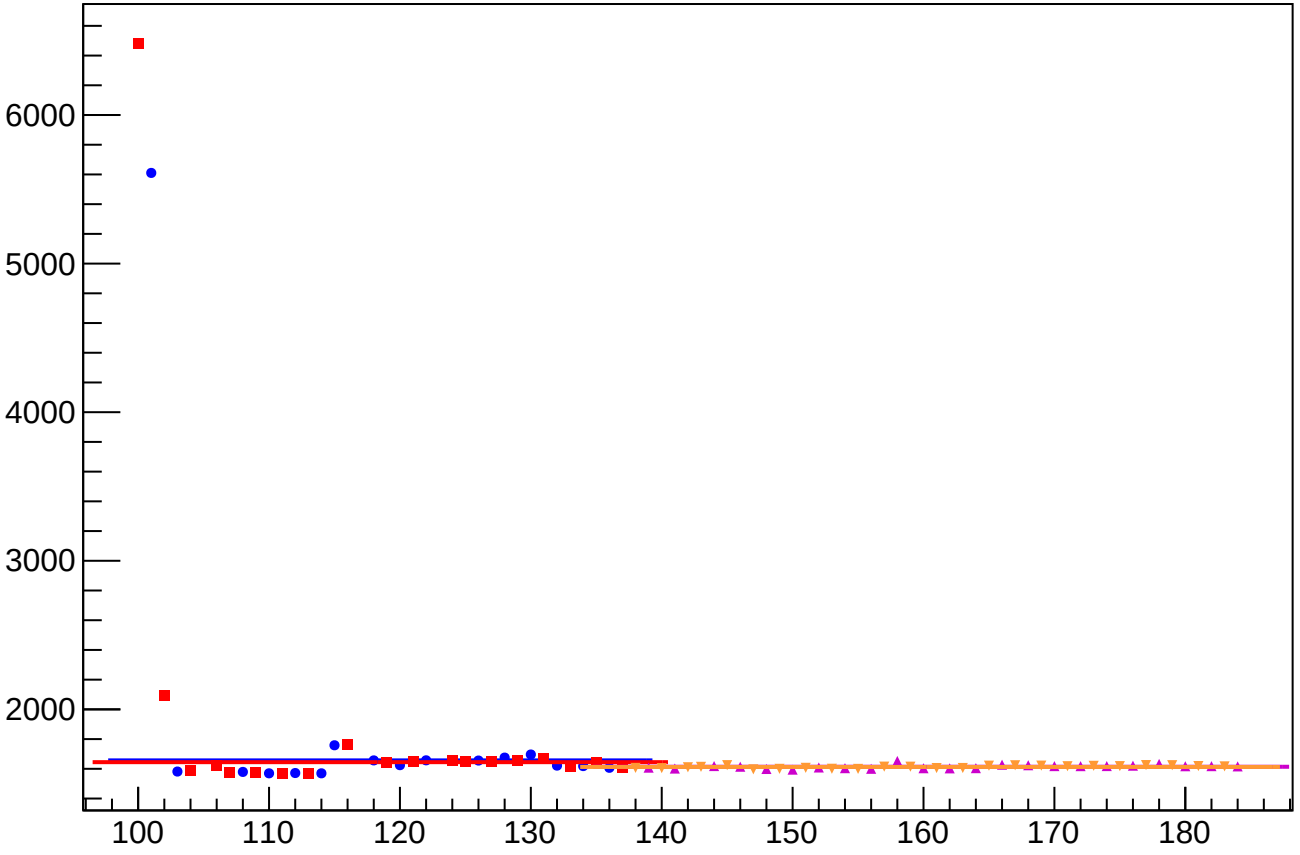
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2385.746+/-318.288 χ^2/NDF: 40.3/39

All: 31.031+/-225.849 χ^2/NDF: 196.4/81

- sign -2356.845+/-320.521 χ^2/NDF: 45.8/41

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

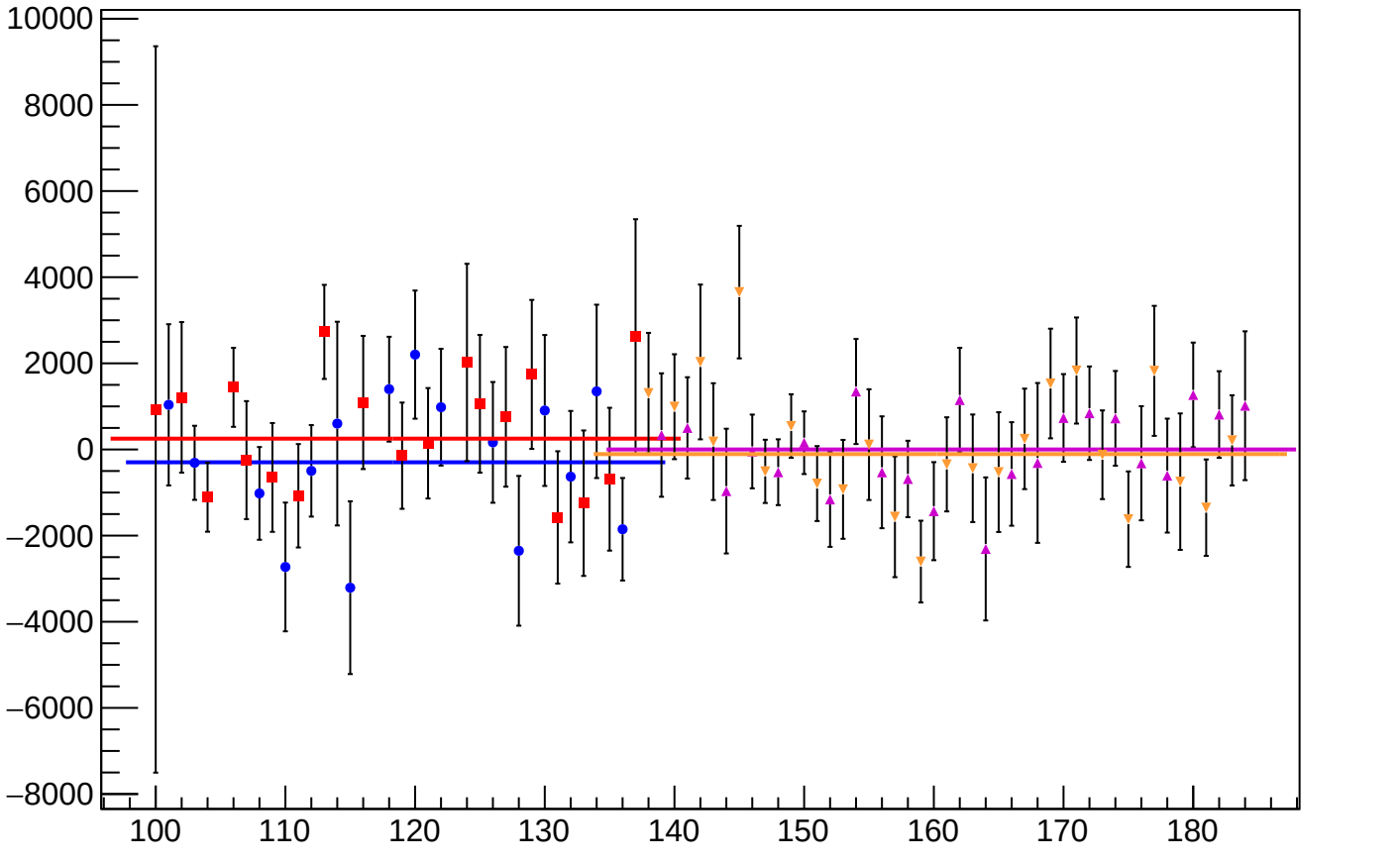
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

\+ sign 1623.832+/-0.225 χ^2/NDF: 674692.5/39

All: 1623.093+/-0.160 χ^2/NDF: 817279.1/81

\- sign 1622.345+/-0.227 χ^2/NDF: 142564.9/41



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

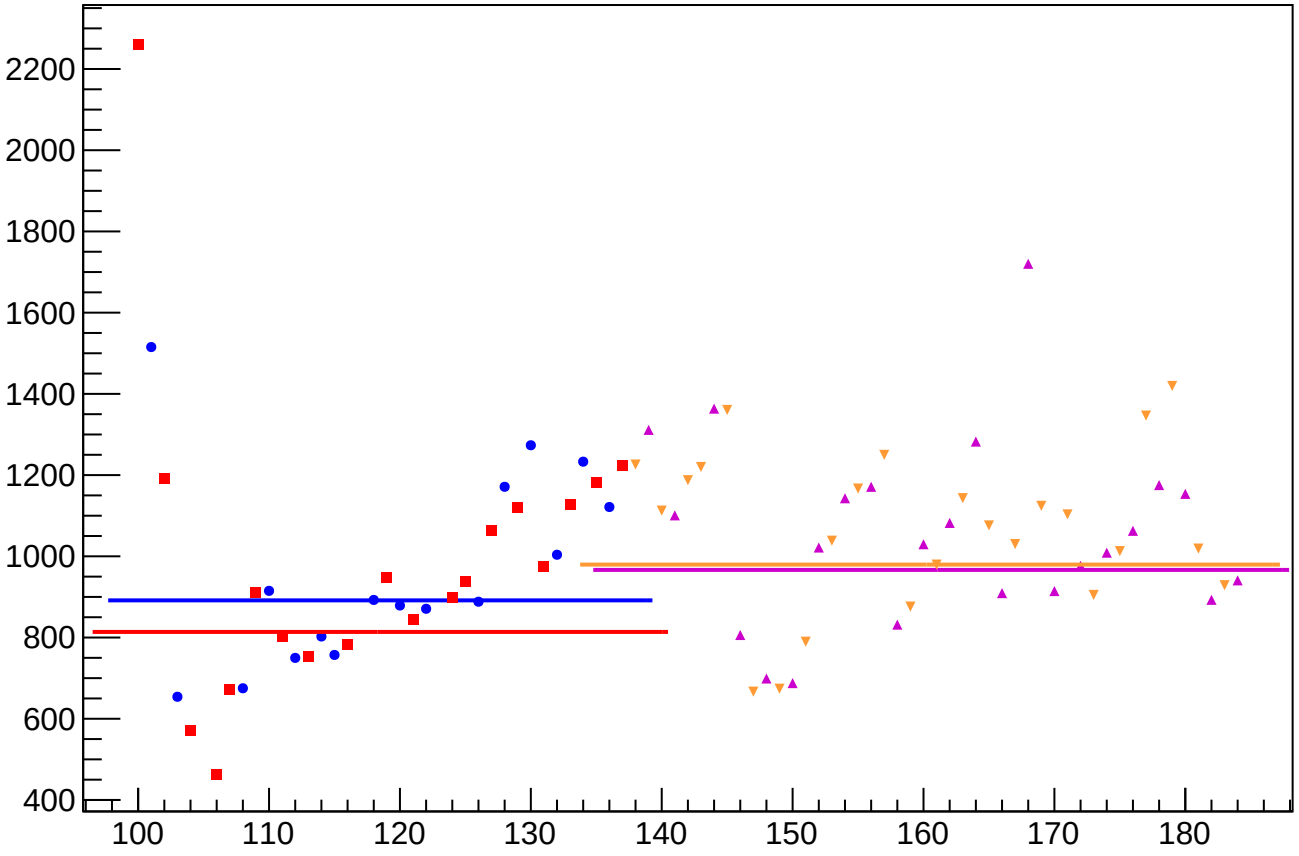
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -166.969+/-191.578 χ^2/NDF: 45.1/39

All: -36.300+/-133.785 χ^2/NDF: 76.5/81

\- sign 88.077+/-186.909 χ^2/NDF: 30.5/41

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

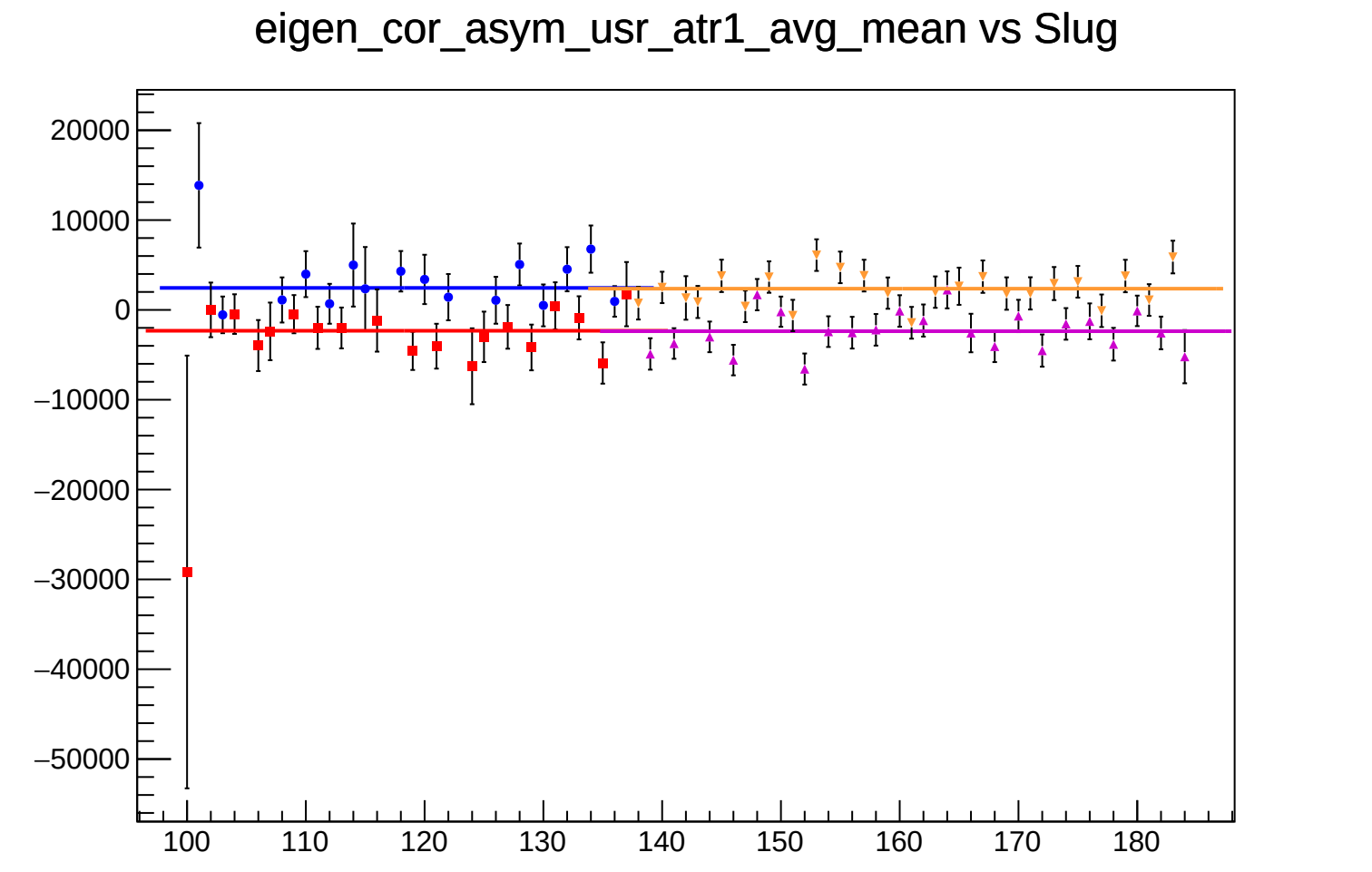
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 952.213+/-0.135 χ^2/NDF: 2514758.4/39

All: 932.131+/-0.095 χ^2/NDF: 5517156.9/81

- sign 913.016+/-0.132 χ^2/NDF: 2959504.1/41



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

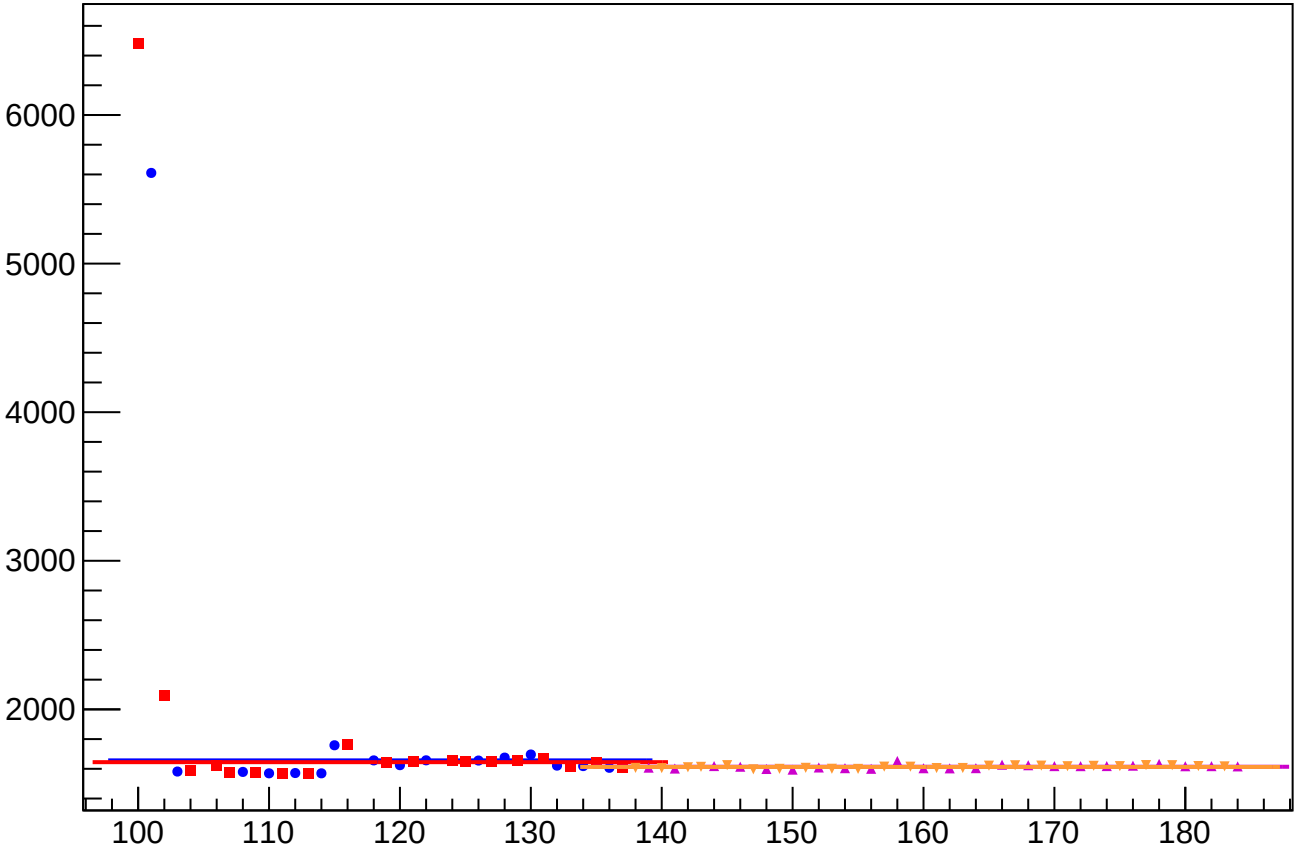
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2385.746+/-318.288 χ^2/NDF: 40.3/39

All: 31.031+/-225.849 χ^2/NDF: 196.4/81

- sign -2356.845+/-320.521 χ^2/NDF: 45.8/41

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

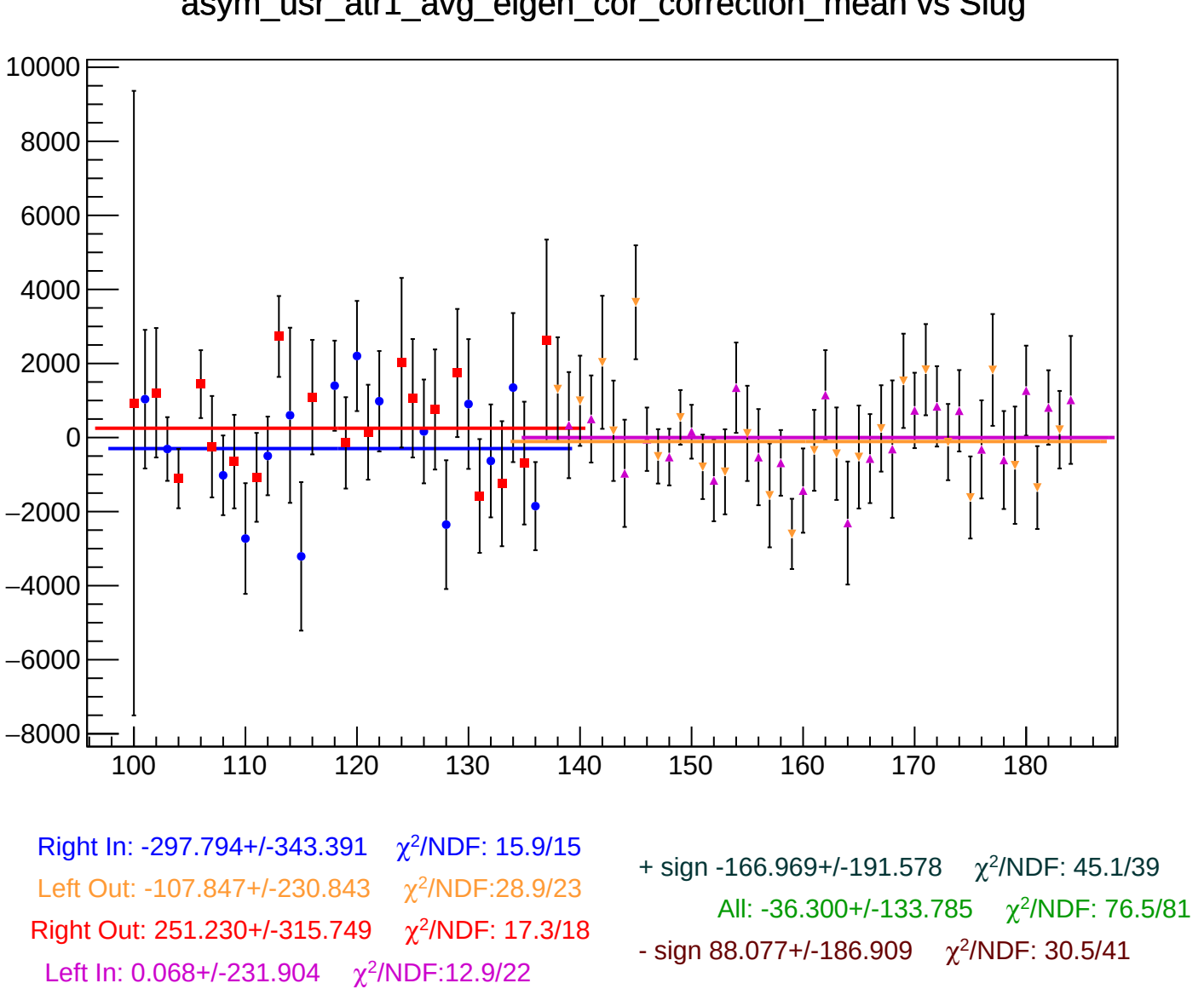
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

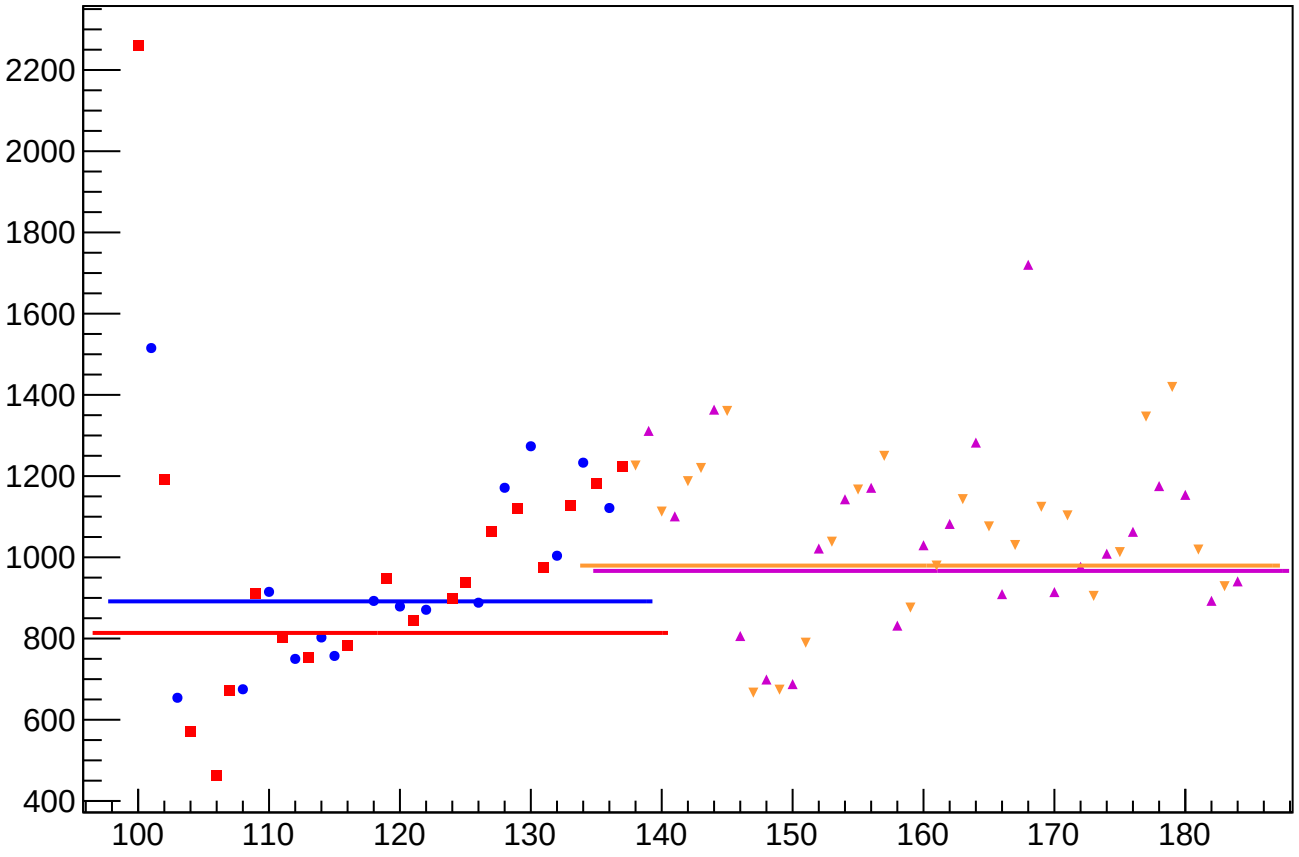
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.832+/-0.225 χ^2/NDF: 674692.5/39

All: 1623.093+/-0.160 χ^2/NDF: 817279.1/81

- sign 1622.345+/-0.227 χ^2/NDF: 142564.9/41


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: -107.847+/-230.843 χ²/NDF:28.9/23
Right Out: 251.230+/-315.749 χ²/NDF: 17.3/18
Left In: 0.068+/-231.904 χ²/NDF:12.9/22
+ sign -166.969+/-191.578 χ²/NDF: 45.1/39
All: -36.300+/-133.785 χ²/NDF: 76.5/81
- sign 88.077+/-186.909 χ²/NDF: 30.5/41



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 979.635+/-0.163 χ^2/NDF:1630427.2/23

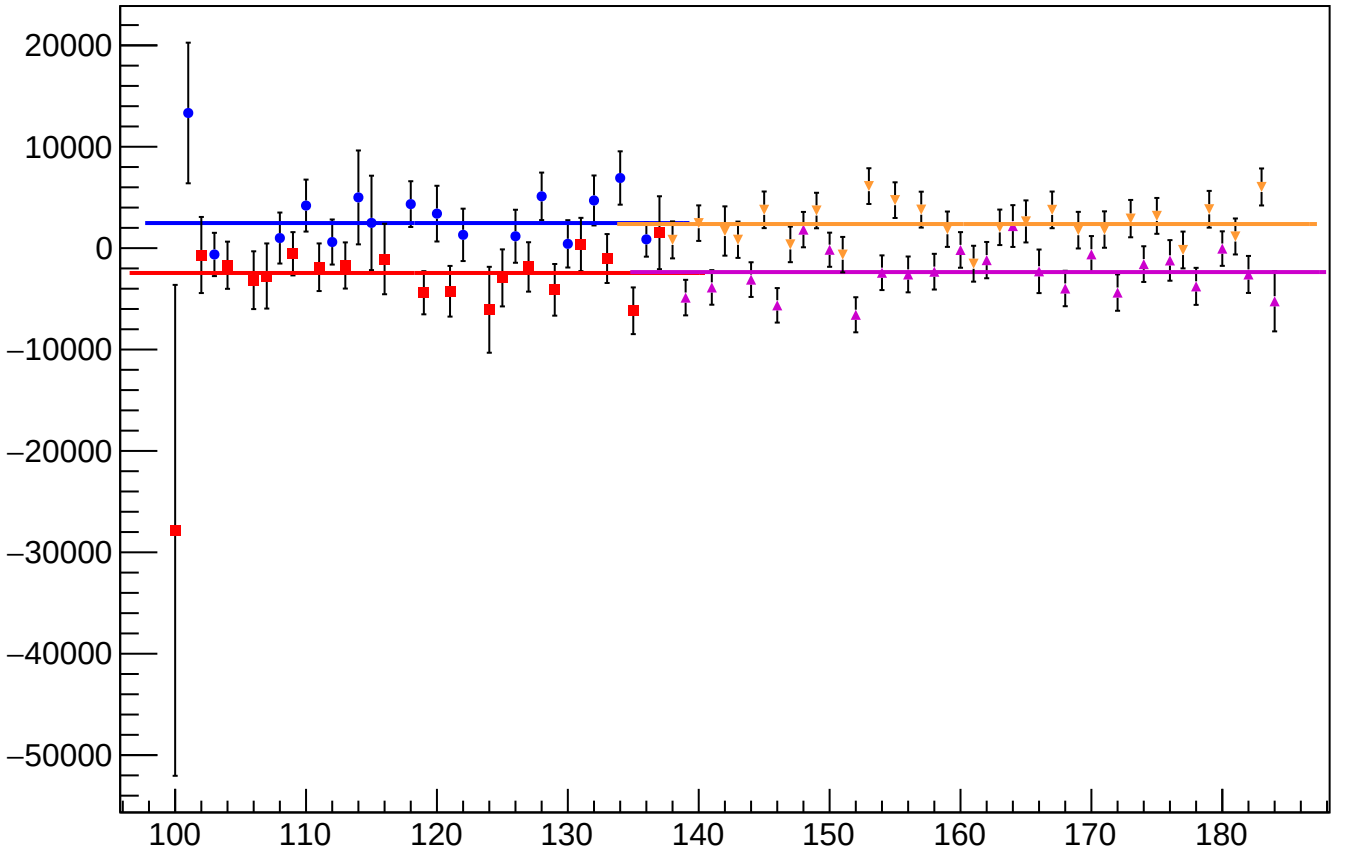
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 952.213+/-0.135 χ^2/NDF: 2514758.4/39

All: 932.131+/-0.095 χ^2/NDF: 5517156.9/81

- sign 913.016+/-0.132 χ^2/NDF: 2959504.1/41



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

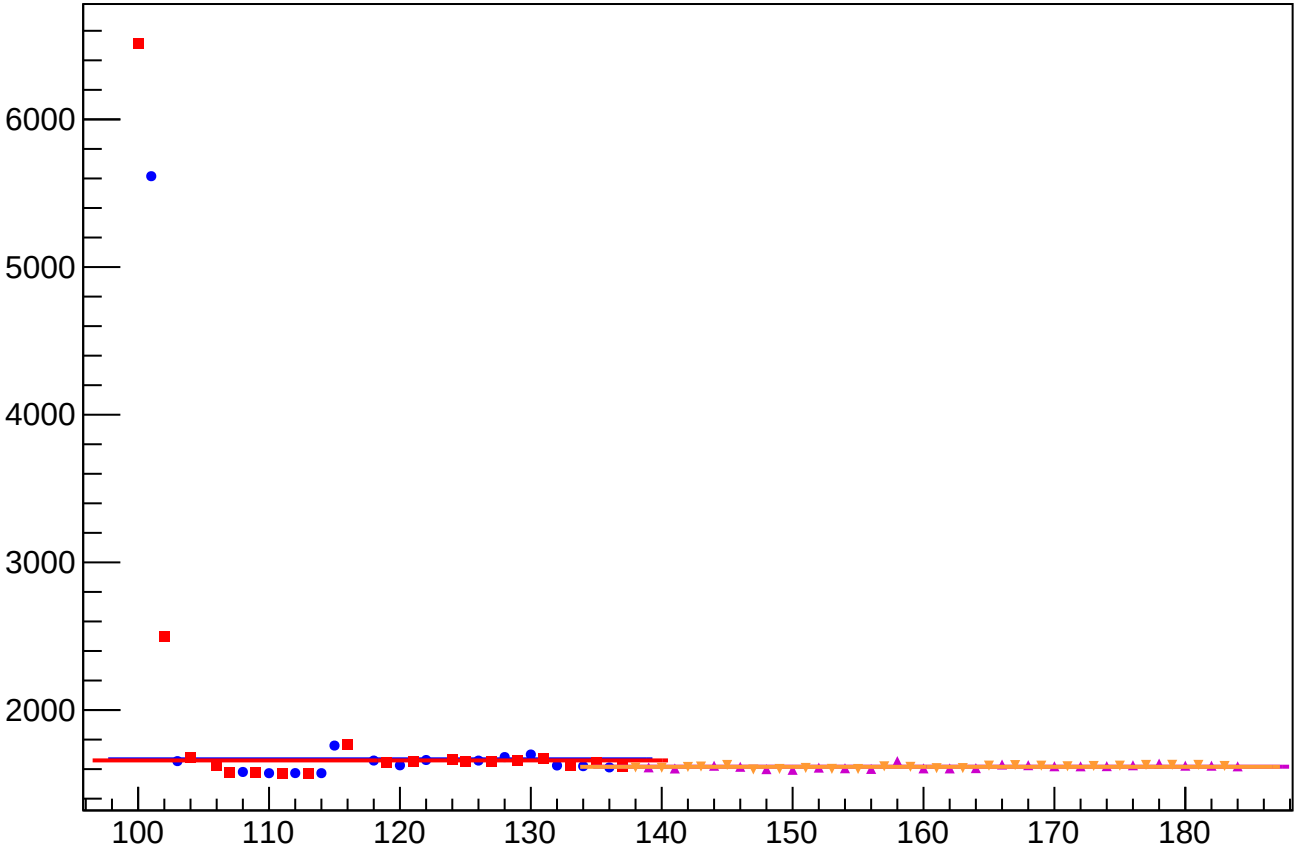
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2403.047+/-319.203 χ^2/NDF: 41.4/39

All: 30.373+/-226.701 χ^2/NDF: 197.5/81

- sign -2384.427+/-322.024 χ^2/NDF: 44.6/41

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

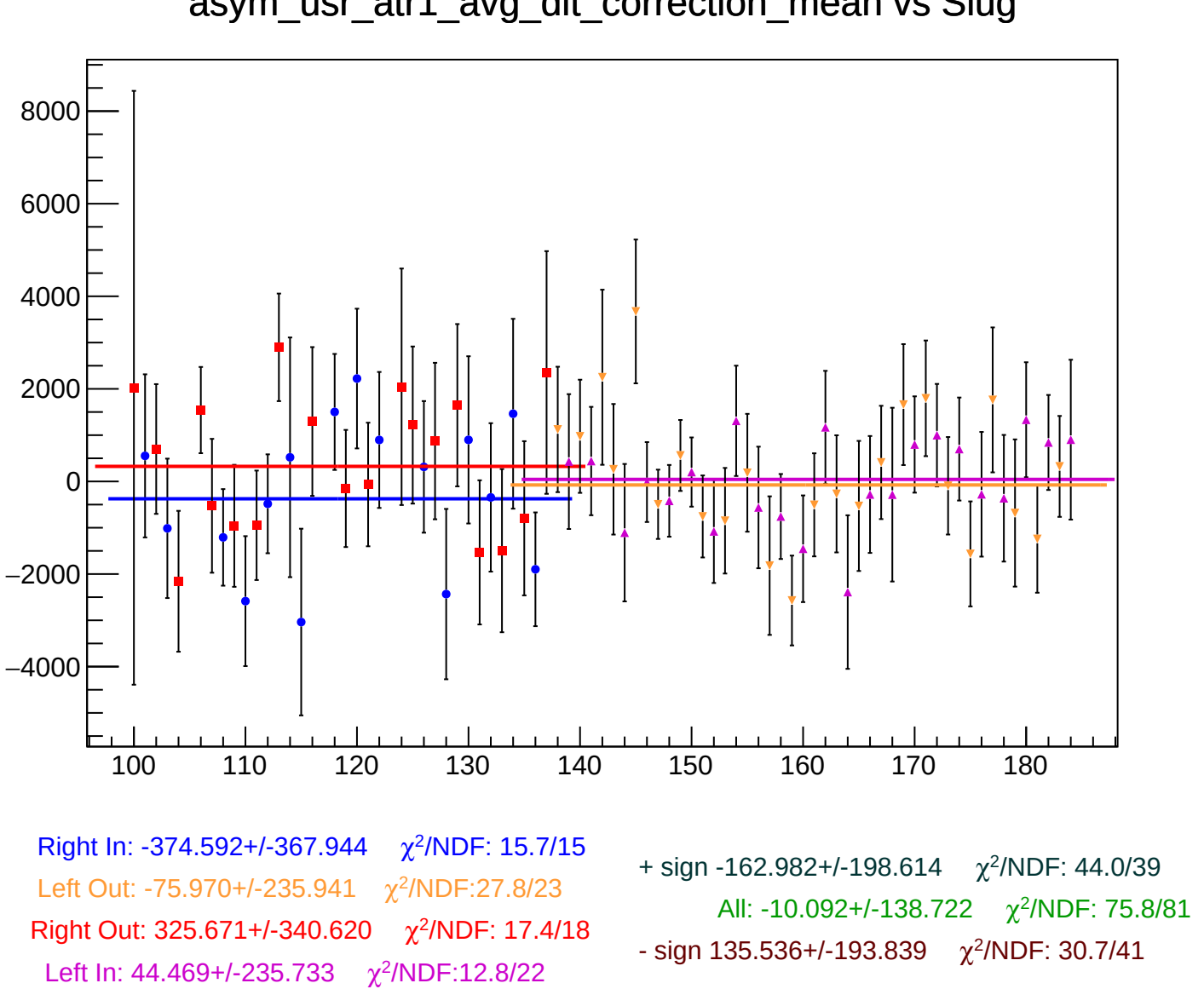
Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

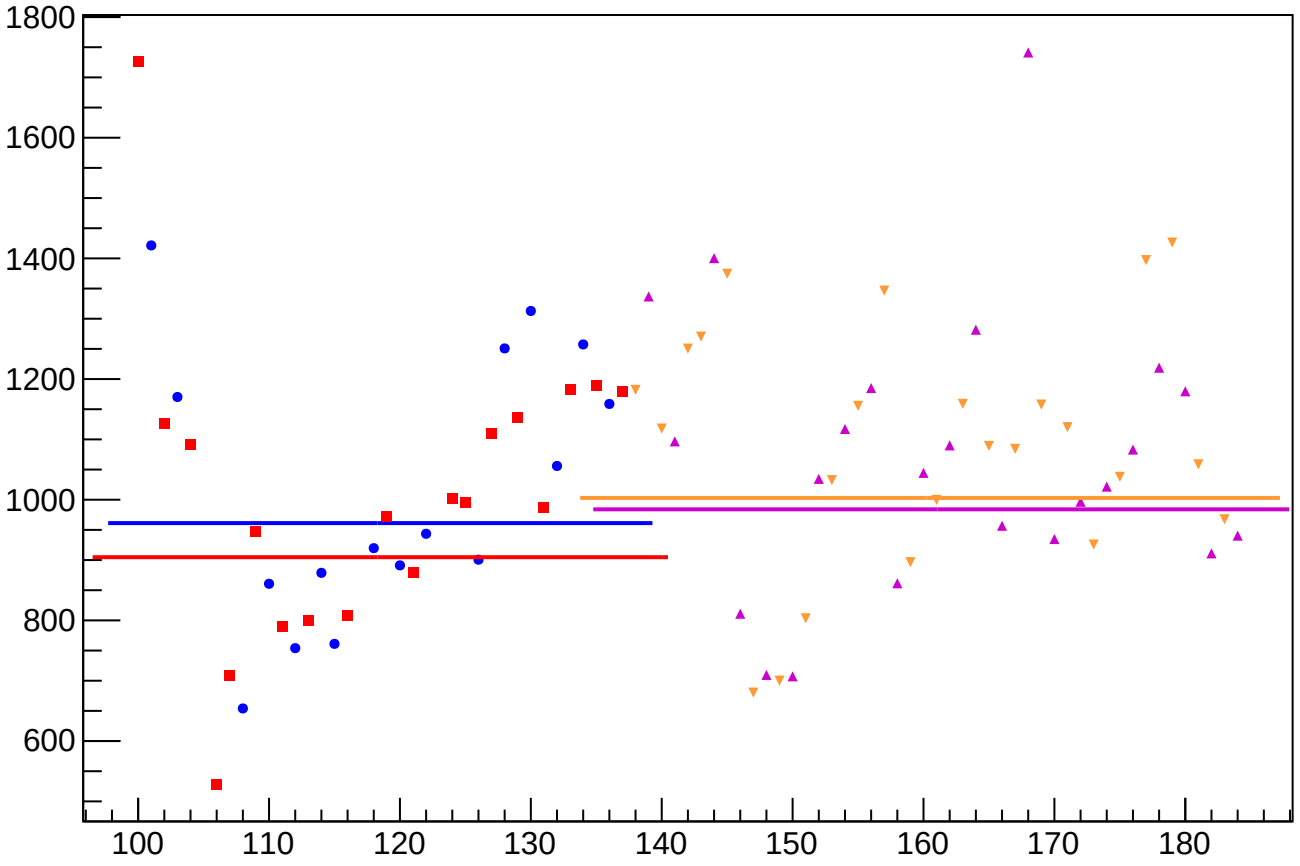
+ sign 1628.501+/-0.226 χ^2/NDF: 673940.5/39

All: 1628.231+/-0.160 χ^2/NDF: 876668.6/81

- sign 1627.957+/-0.228 χ^2/NDF: 202725.3/41


asym_usr_atr1_avg_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: -75.970+/-235.941 χ²/NDF:27.8/23
Right Out: 325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 44.469+/-235.733 χ²/NDF:12.8/22
+ sign -162.982+/-198.614 χ²/NDF: 44.0/39
All: -10.092+/-138.722 χ²/NDF: 75.8/81
- sign 135.536+/-193.839 χ²/NDF: 30.7/41

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

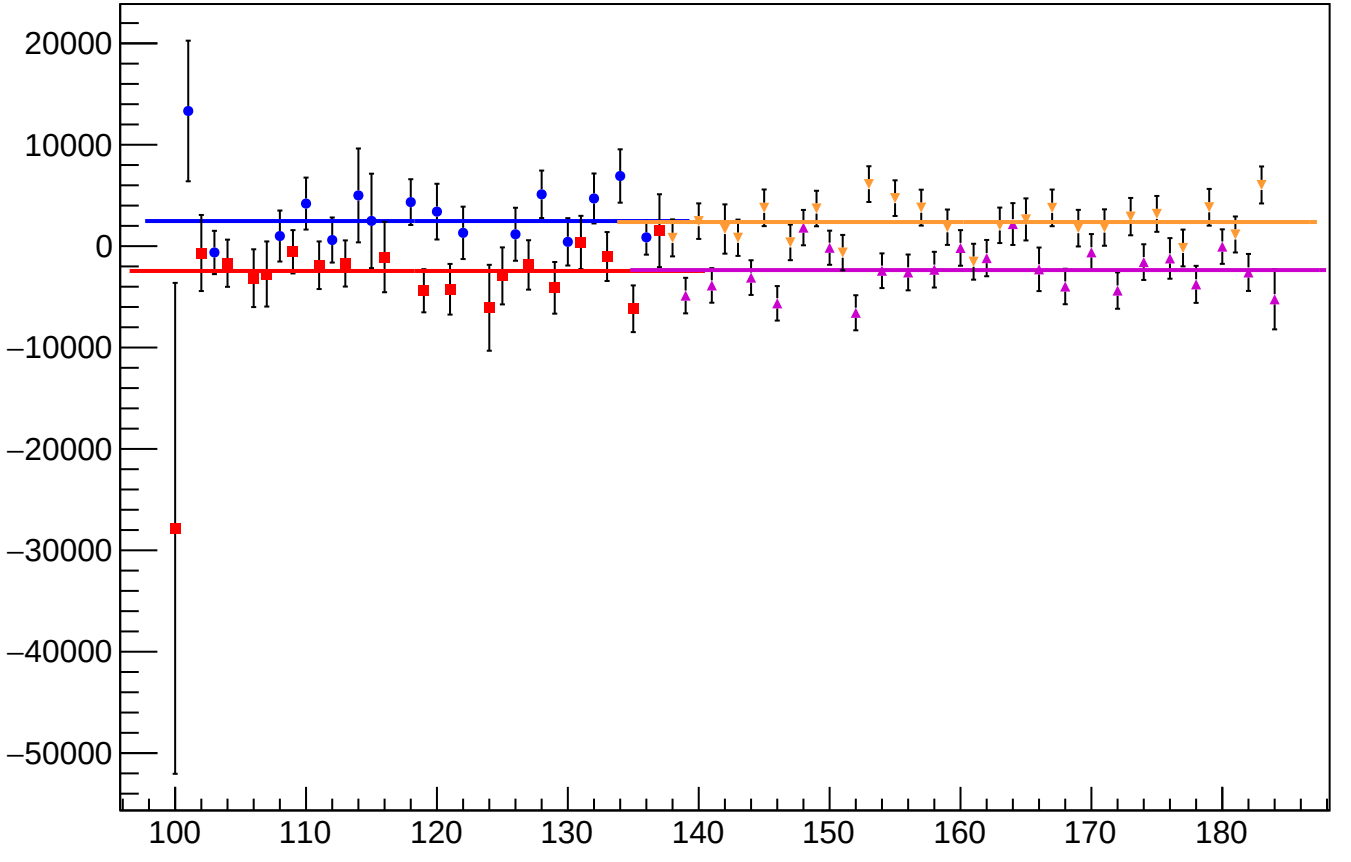
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

\+ sign 990.797+/-0.140 χ^2/NDF: 2308441.0/39

All: 974.187+/-0.098 χ^2/NDF: 4705125.1/81

\- sign 958.367+/-0.137 χ^2/NDF: 2369373.6/41

eigen_dit_asym_usr_atr1_avg_mean vs Slug



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

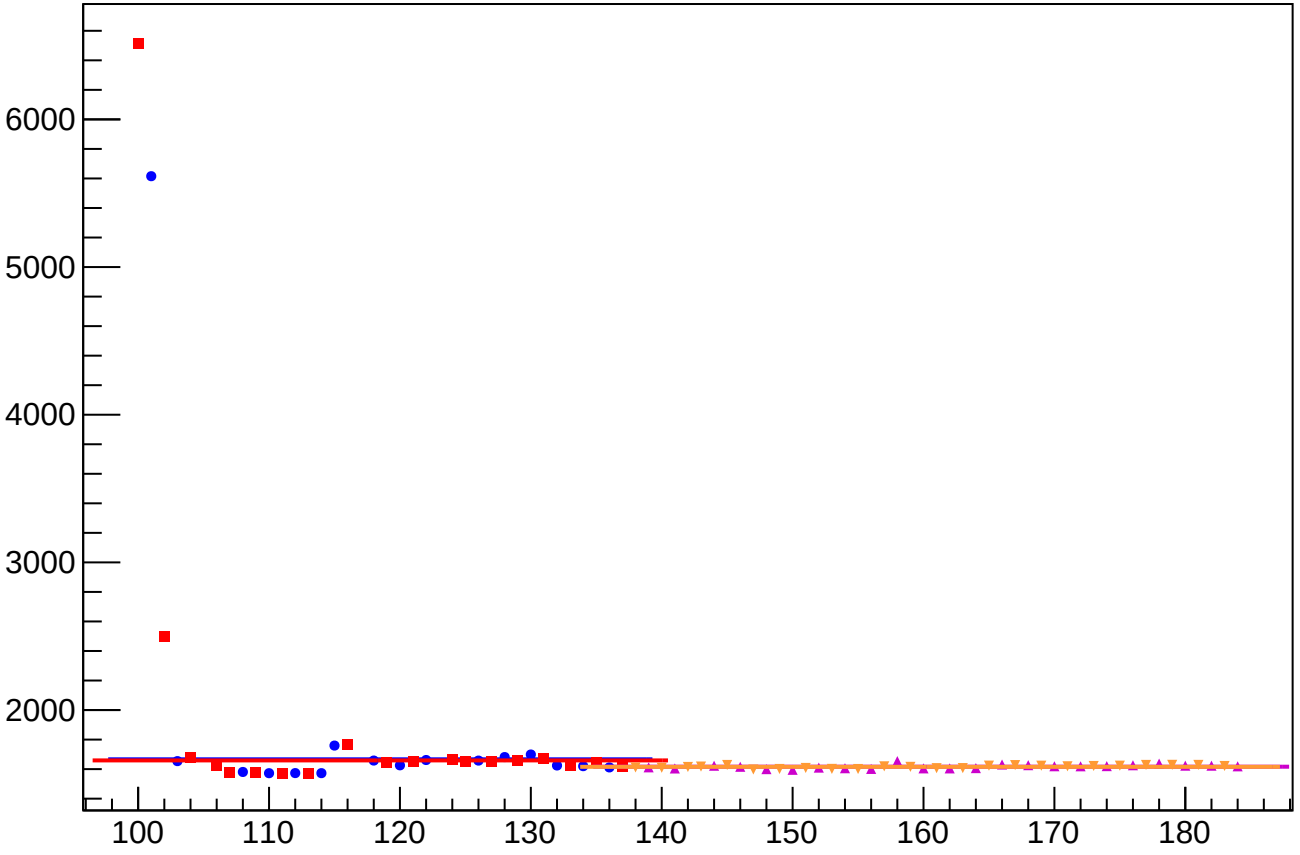
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2403.046+/-319.203 χ^2/NDF: 41.4/39

All: 30.373+/-226.701 χ^2/NDF: 197.5/81

- sign -2384.427+/-322.024 χ^2/NDF: 44.6/41

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

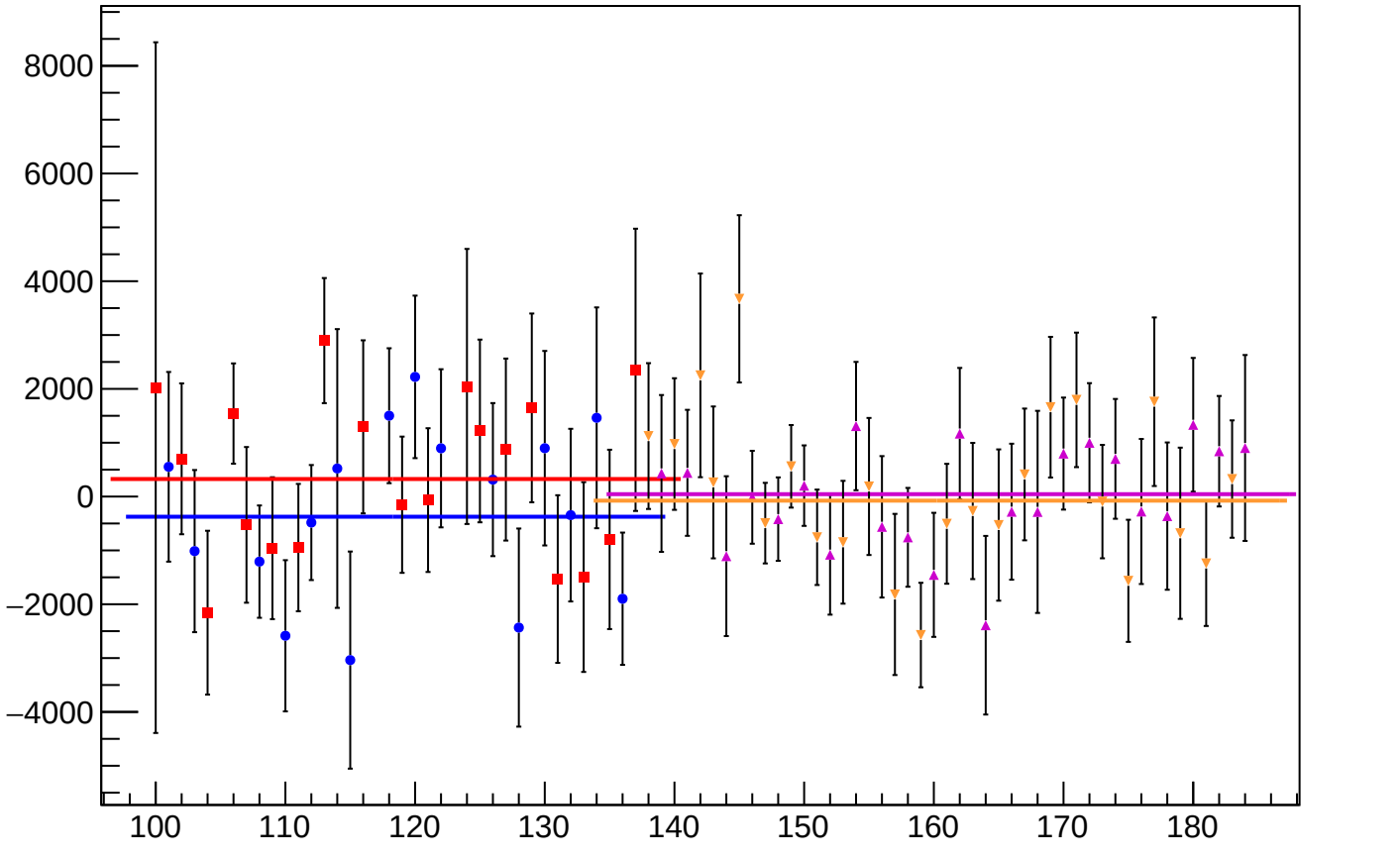
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.501+/-0.226 χ^2/NDF: 673940.5/39

All: 1628.231+/-0.160 χ^2/NDF: 876668.4/81

- sign 1627.957+/-0.228 χ^2/NDF: 202725.0/41



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -75.972+/-235.941 χ^2/NDF:27.8/23

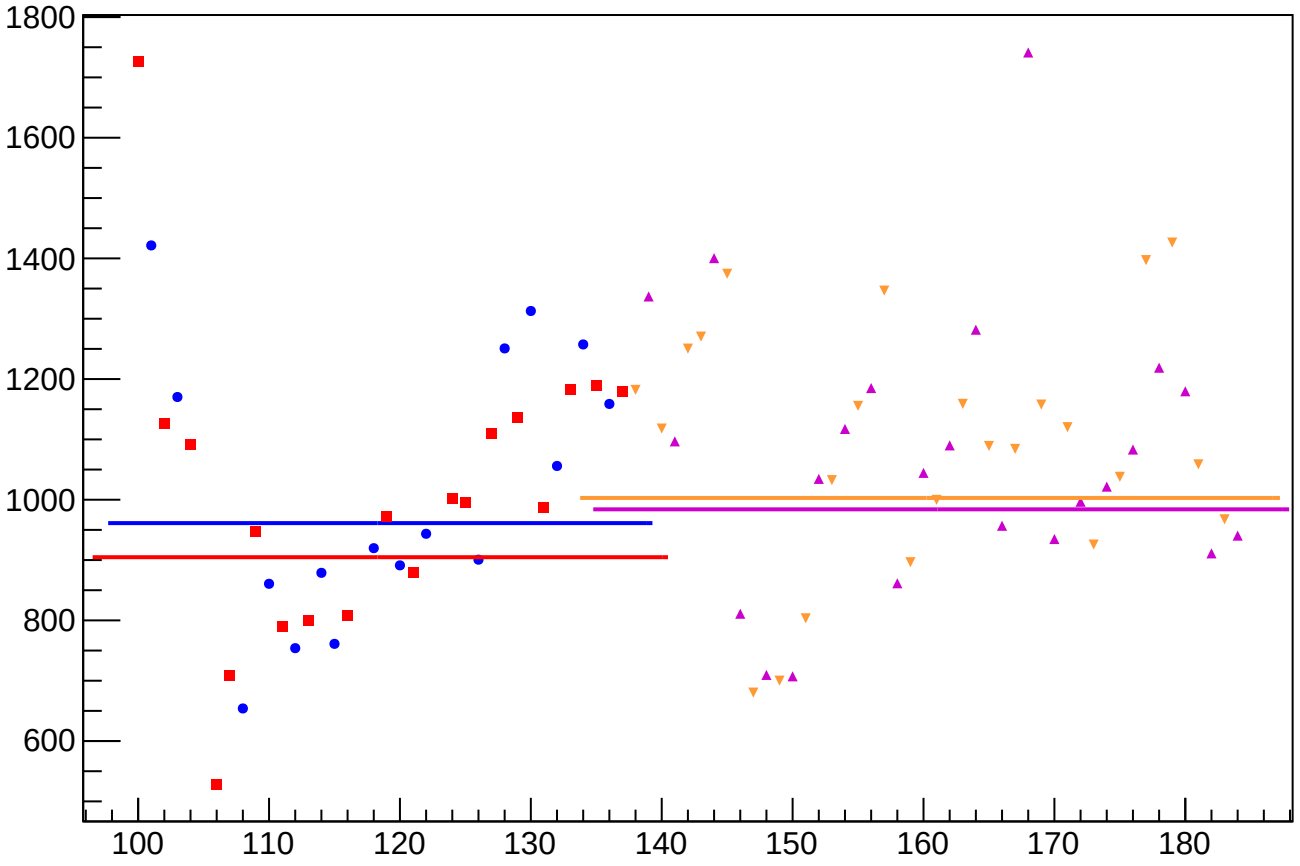
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -162.983+/-198.614 χ^2/NDF: 44.0/39

All: -10.092+/-138.723 χ^2/NDF: 75.8/81

- sign 135.536+/-193.840 χ^2/NDF: 30.7/41



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

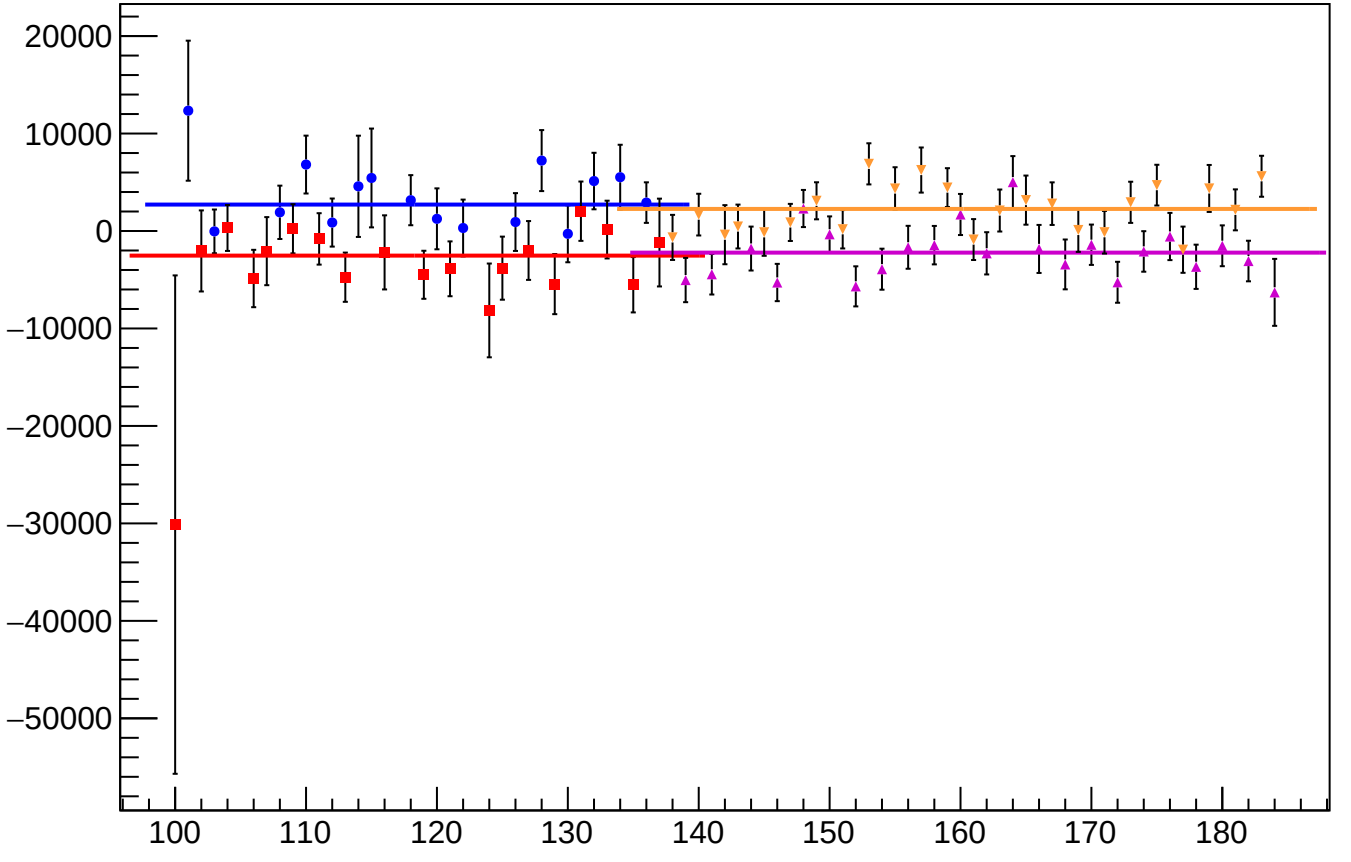
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

\+ sign 990.797+/-0.140 χ^2/NDF: 2308456.5/39

All: 974.188+/-0.098 χ^2/NDF: 4705148.5/81

\- sign 958.367+/-0.137 χ^2/NDF: 2369381.8/41

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

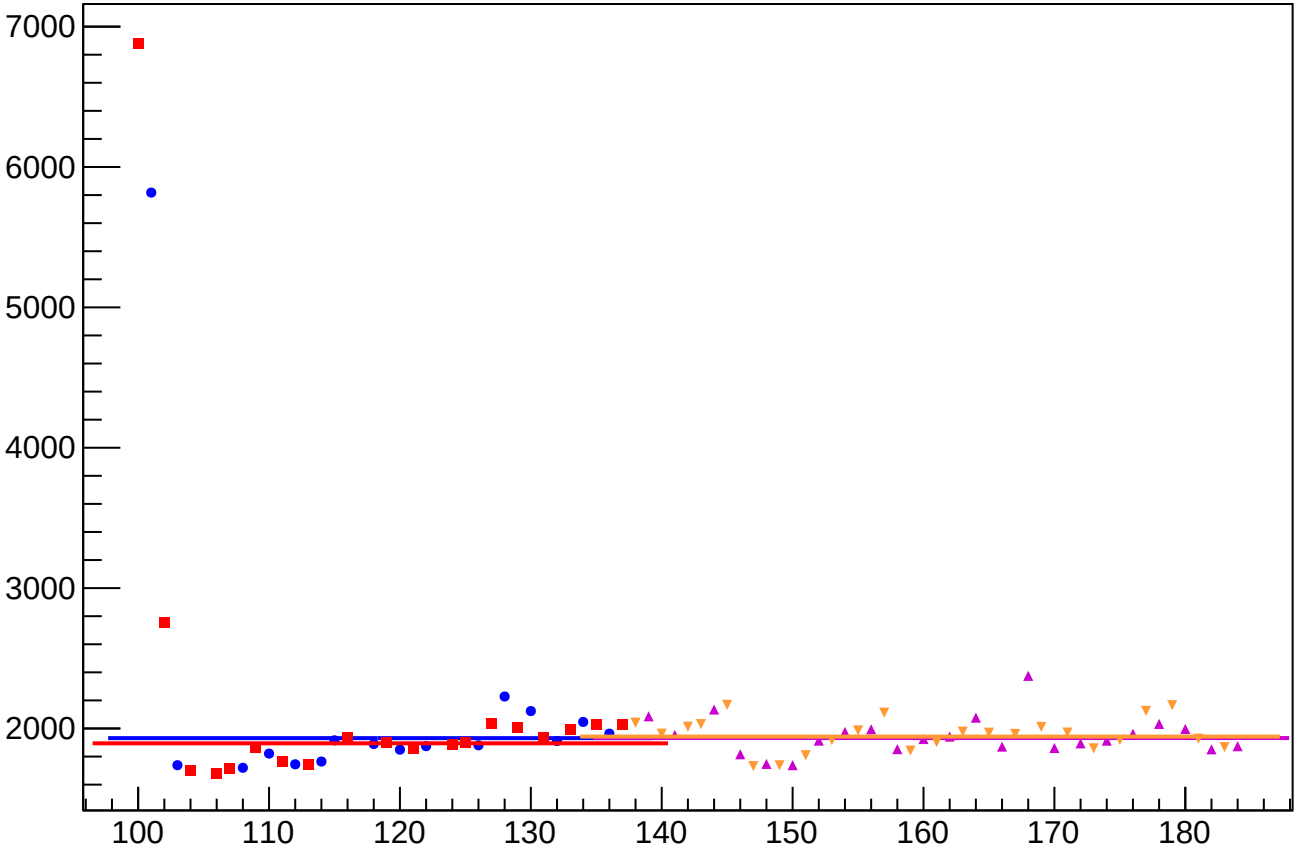
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2384.567+/-380.942 χ^2/NDF: 40.6/39

All: 37.880+/-269.355 χ^2/NDF: 161.4/81

- sign -2308.401+/-380.909 χ^2/NDF: 44.9/41

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

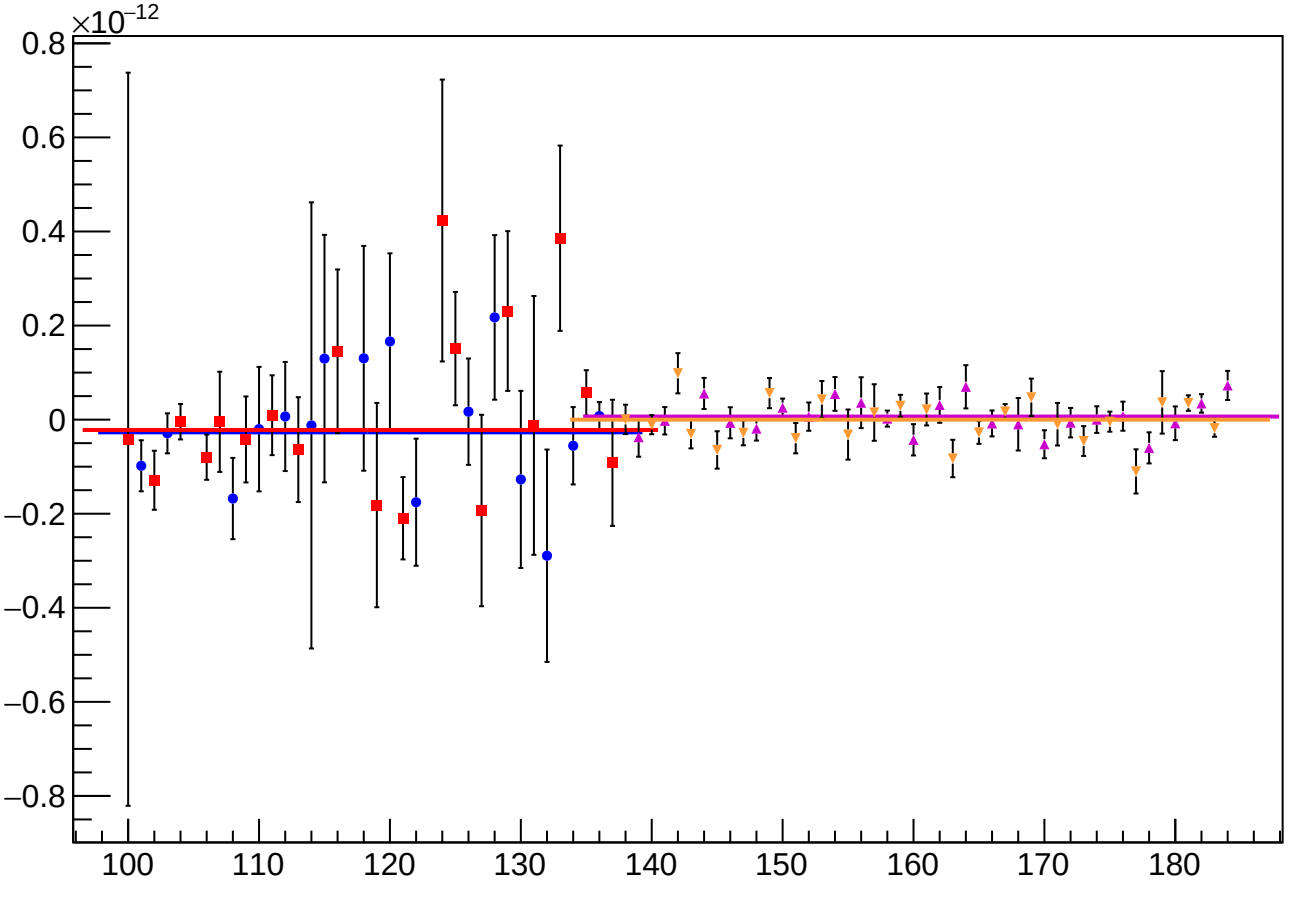
Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1939.462+/-0.269 χ^2/NDF: 800018.6/39

All: 1930.190+/-0.190 χ^2/NDF: 1186795.1/81

- sign 1920.921+/-0.269 χ^2/NDF: 384407.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

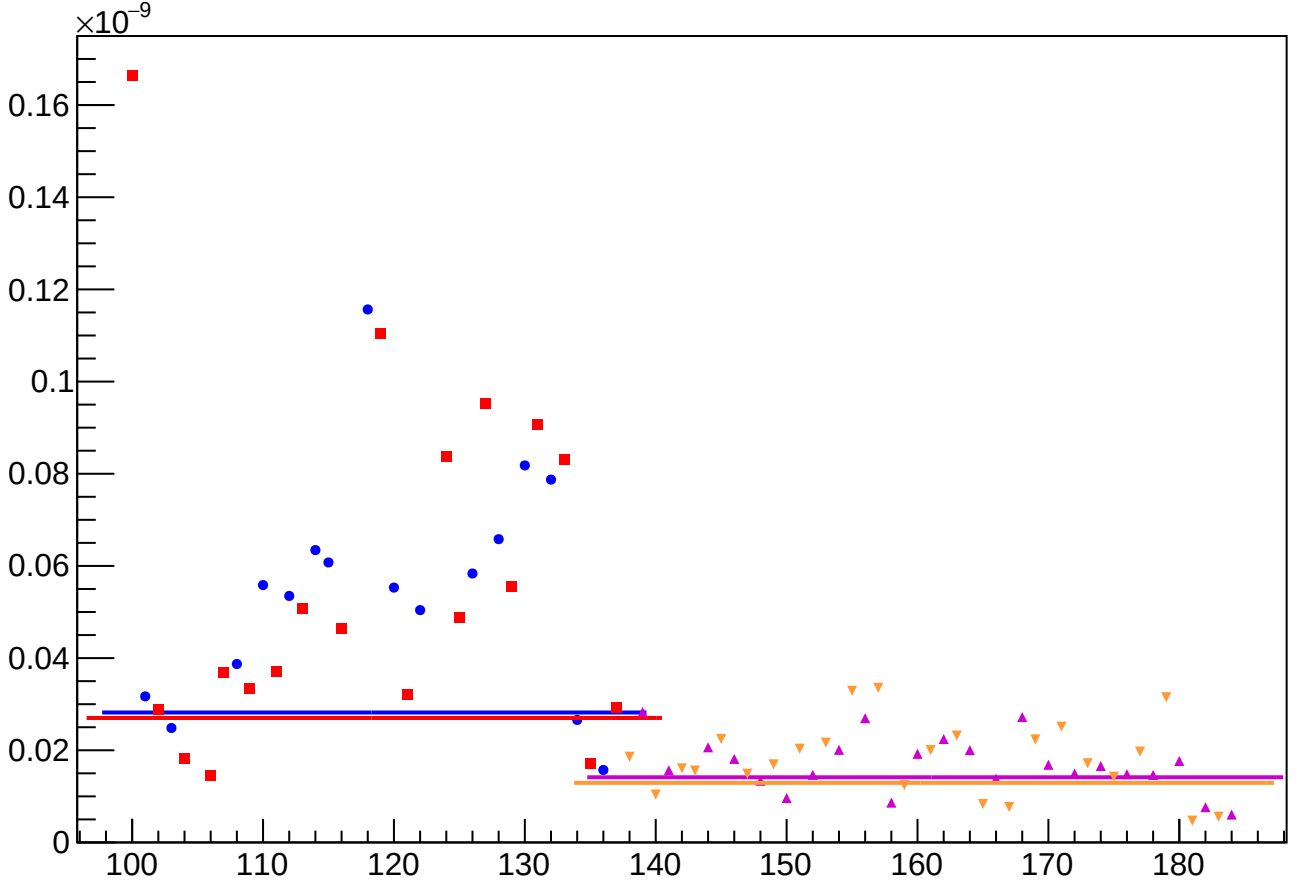
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.7/39

All: 0.000+/-0.000 χ^2/NDF: 110.2/81

- sign 0.000+/-0.000 χ^2/NDF: 54.9/41



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

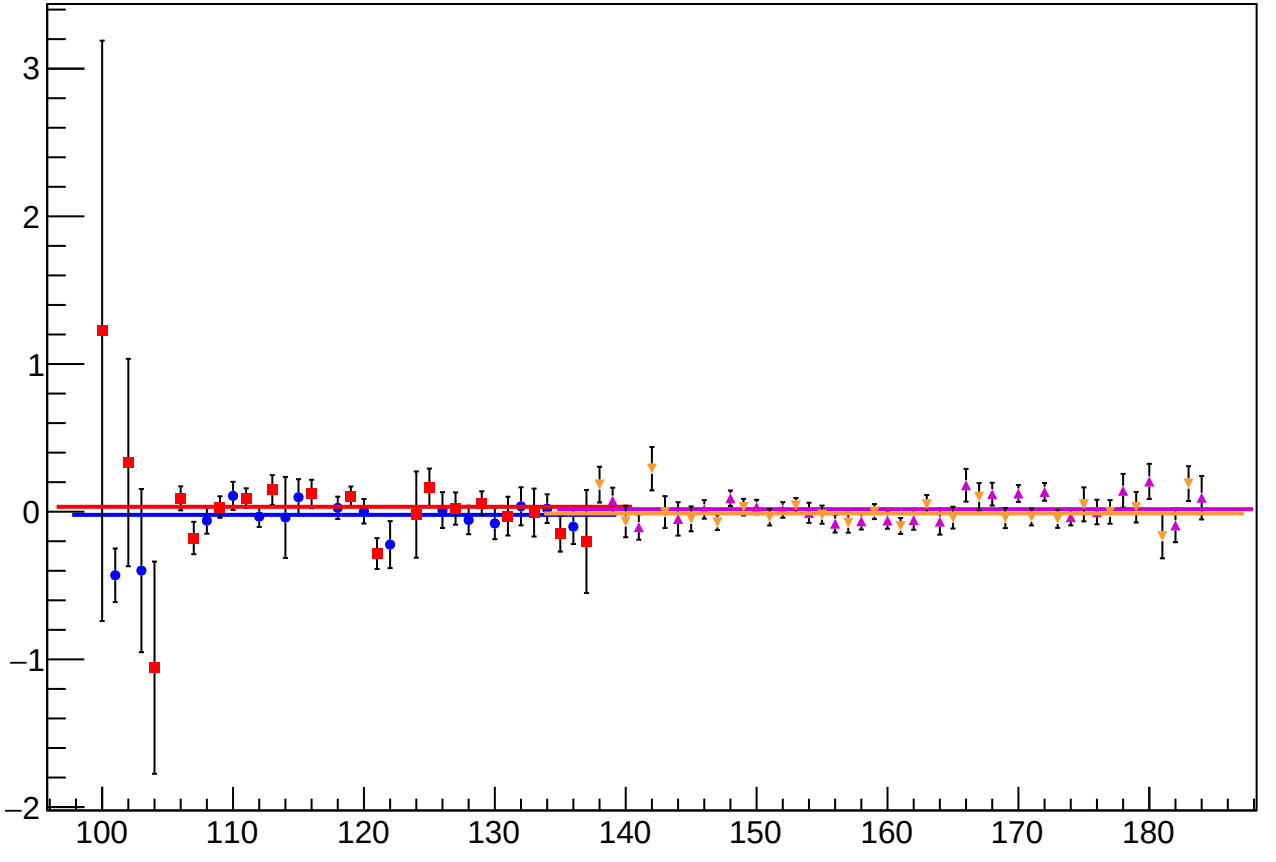
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5483140.3/39

All: 0.000+/-0.000 χ^2/NDF: 9405348.1/81

- sign 0.000+/-0.000 χ^2/NDF: 3881556.8/41

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

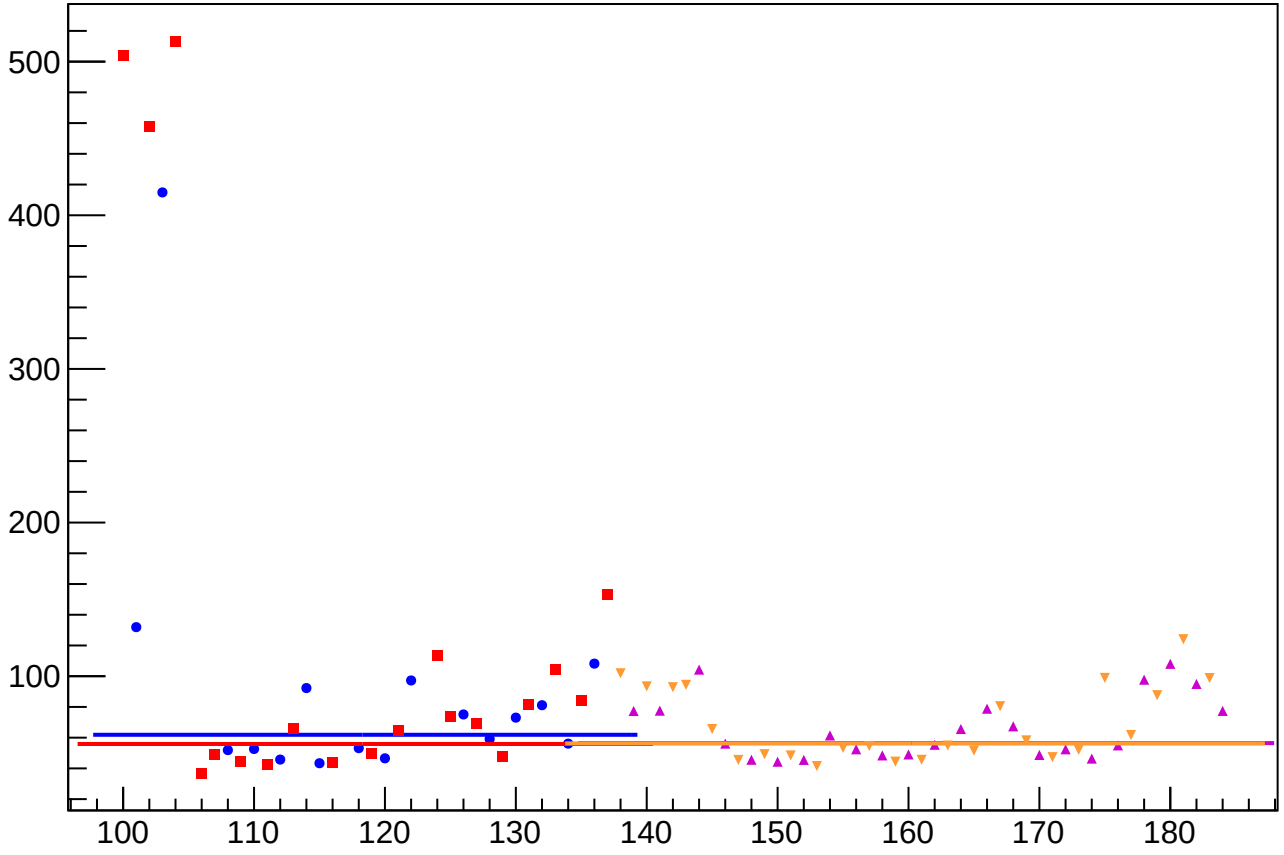
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/39

All: 0.004+/-0.009 χ^2/NDF: 93.2/81

- sign 0.021+/-0.012 χ^2/NDF: 55.3/41

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

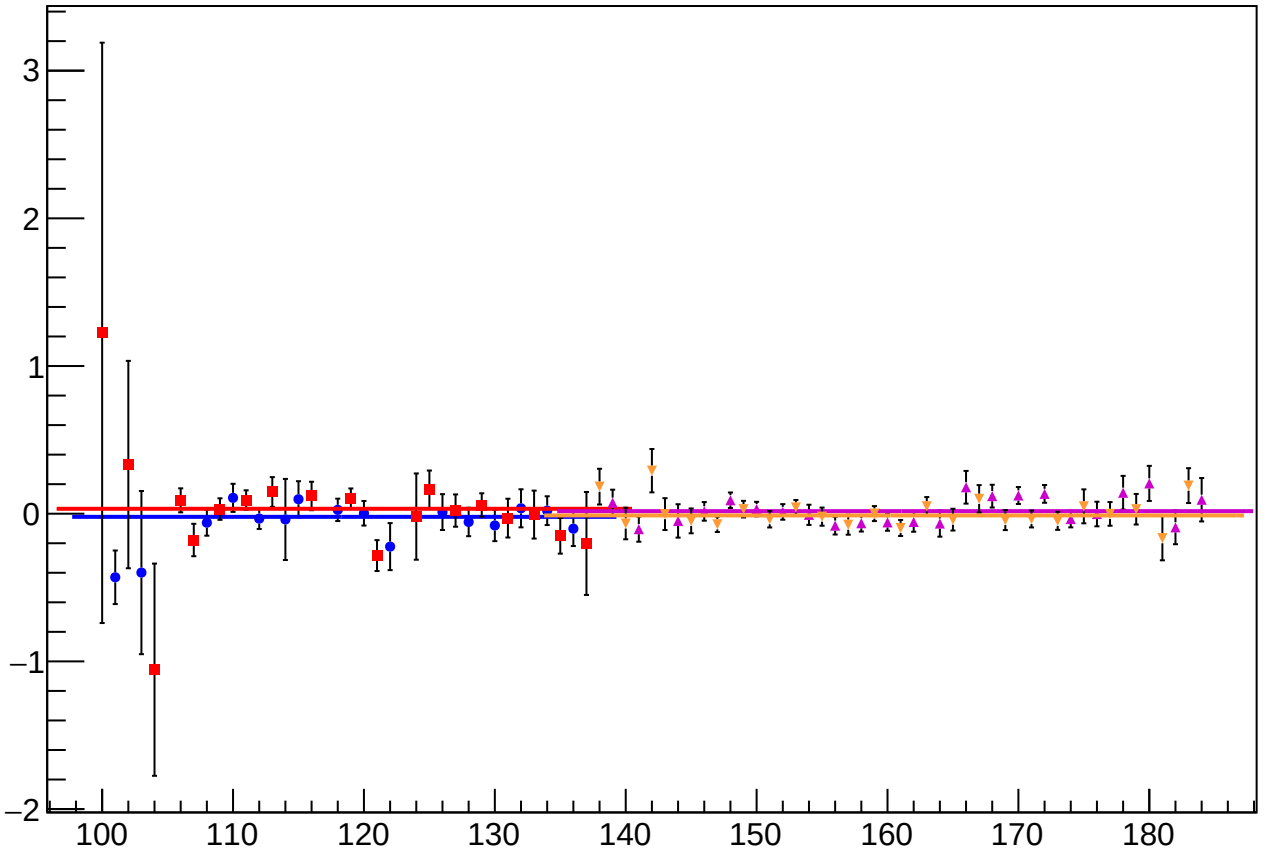
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 57.536+/-0.009 χ^2/NDF: 4793078.4/39

All: 56.918+/-0.006 χ^2/NDF: 9534649.4/81

- sign 56.318+/-0.009 χ^2/NDF: 4732180.5/41



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/23

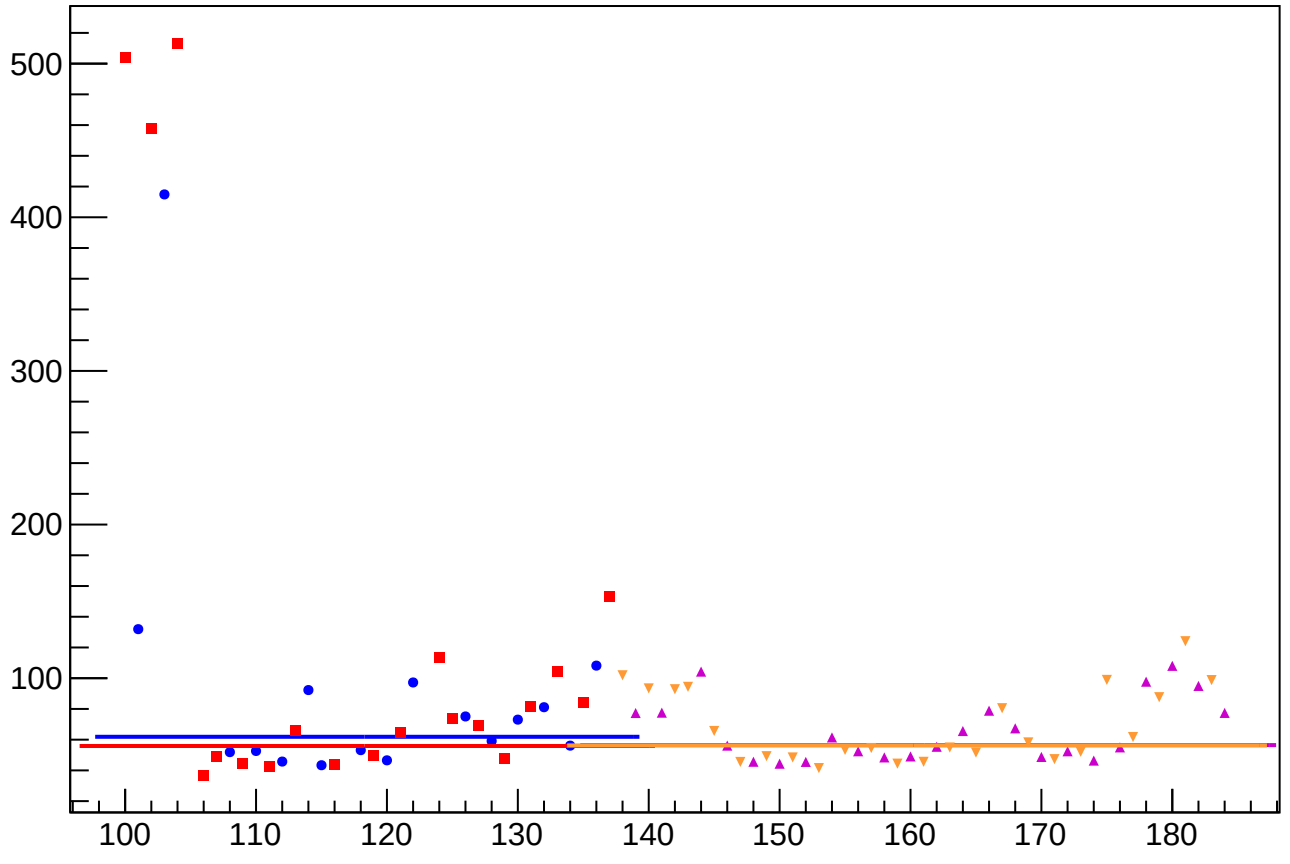
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/39

All: 0.004+/-0.009 χ^2/NDF: 93.2/81

- sign 0.021+/-0.012 χ^2/NDF: 55.3/41



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 56.260+/-0.010 χ^2/NDF:2785997.6/23

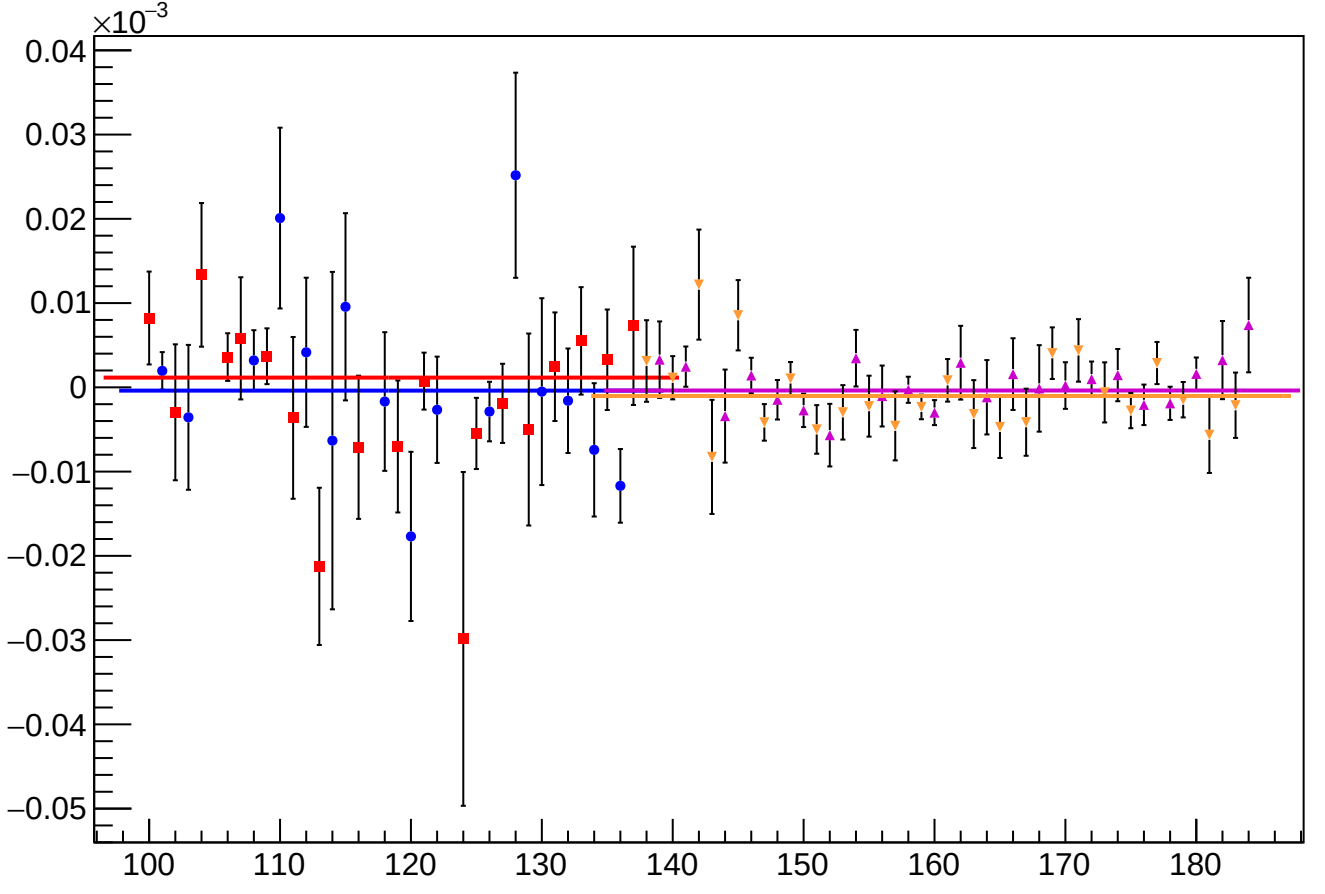
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 57.536+/-0.009 χ^2/NDF: 4793078.4/39

All: 56.918+/-0.006 χ^2/NDF: 9534649.4/81

- sign 56.318+/-0.009 χ^2/NDF: 4732180.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.7/23

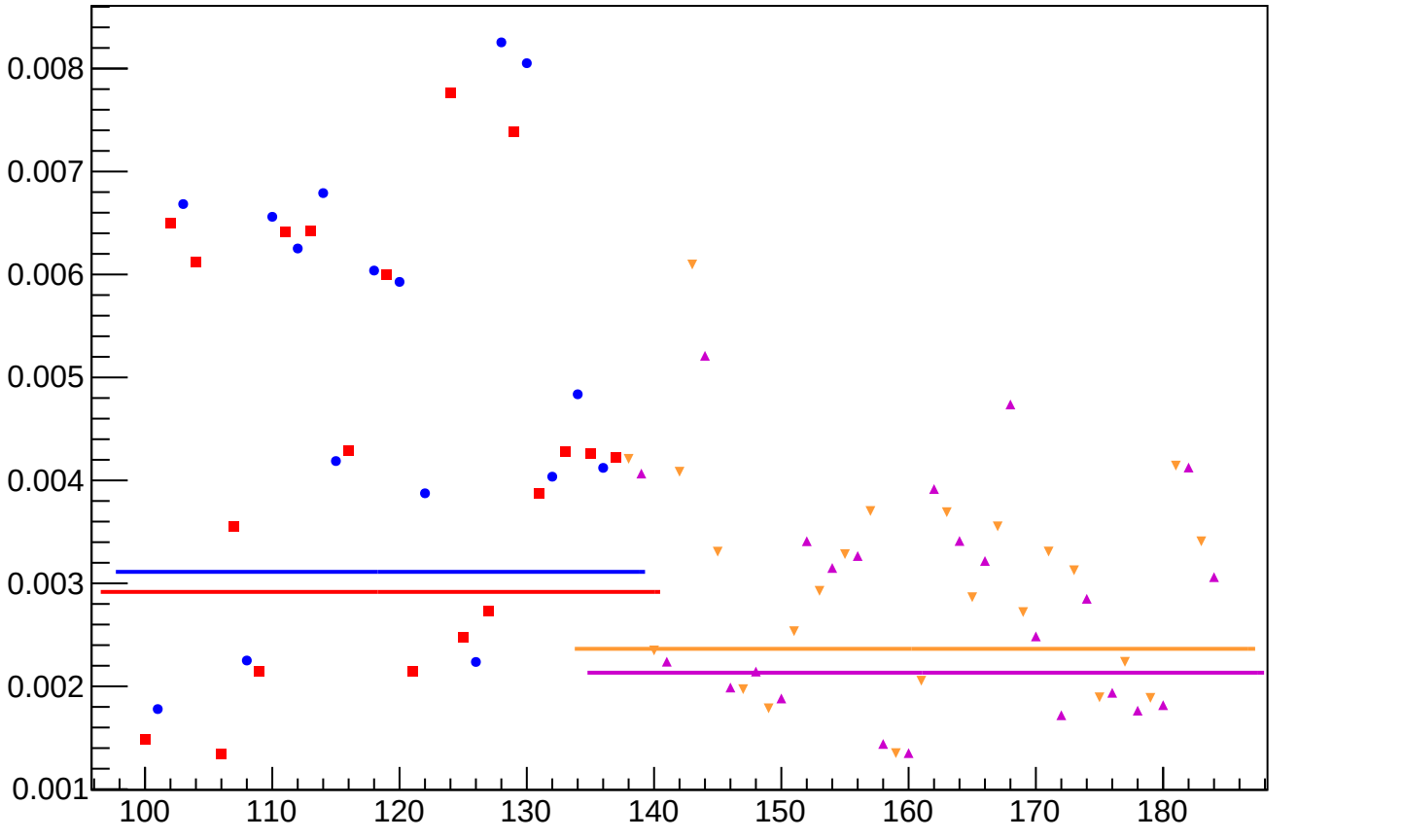
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/39

All: -0.000+/-0.000 χ^2/NDF: 93.8/81

- sign -0.000+/-0.000 χ^2/NDF: 39.2/41



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

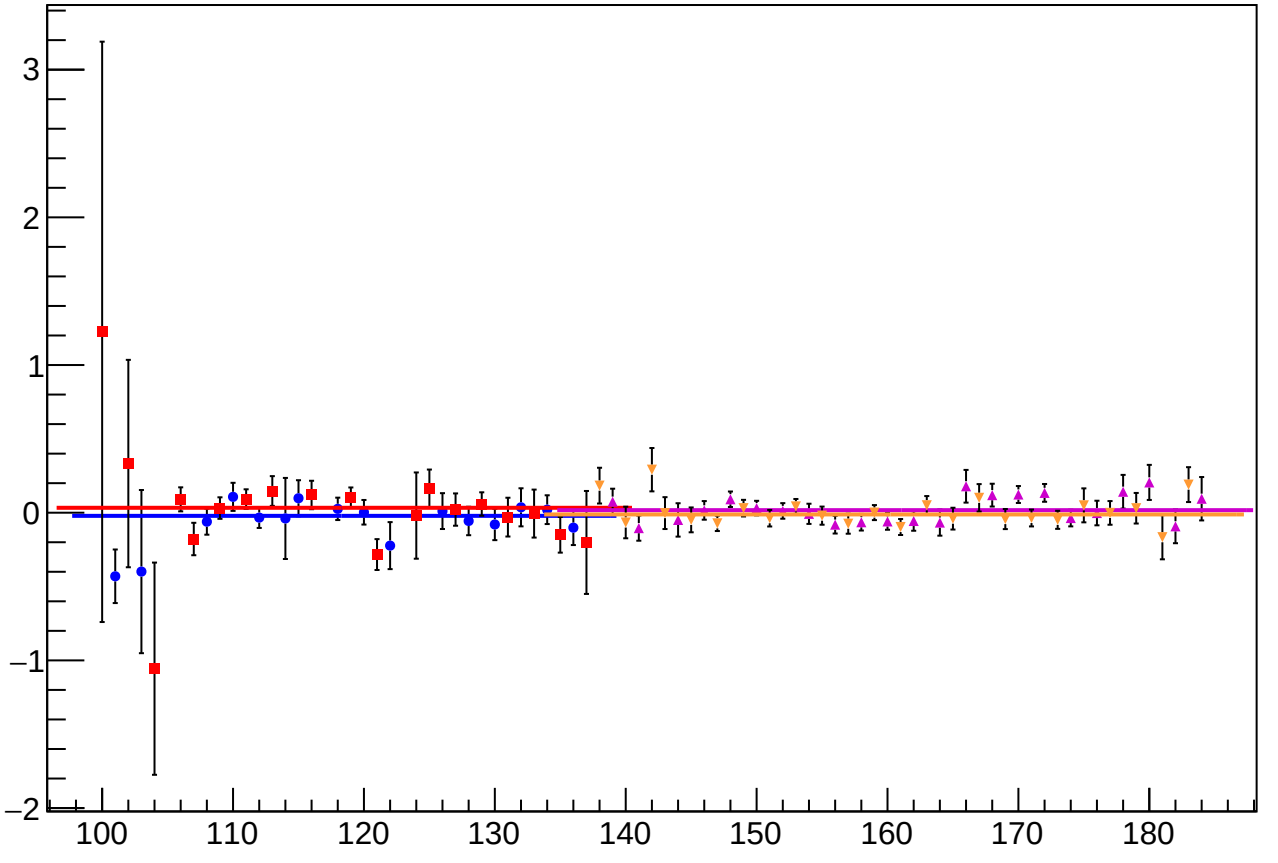
Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 7936017.7/39

All: 0.002+/-0.000 χ^2/NDF: 16615884.4/81

- sign 0.002+/-0.000 χ^2/NDF: 8479533.0/41

asym_usr_atr1_avg_eigen_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

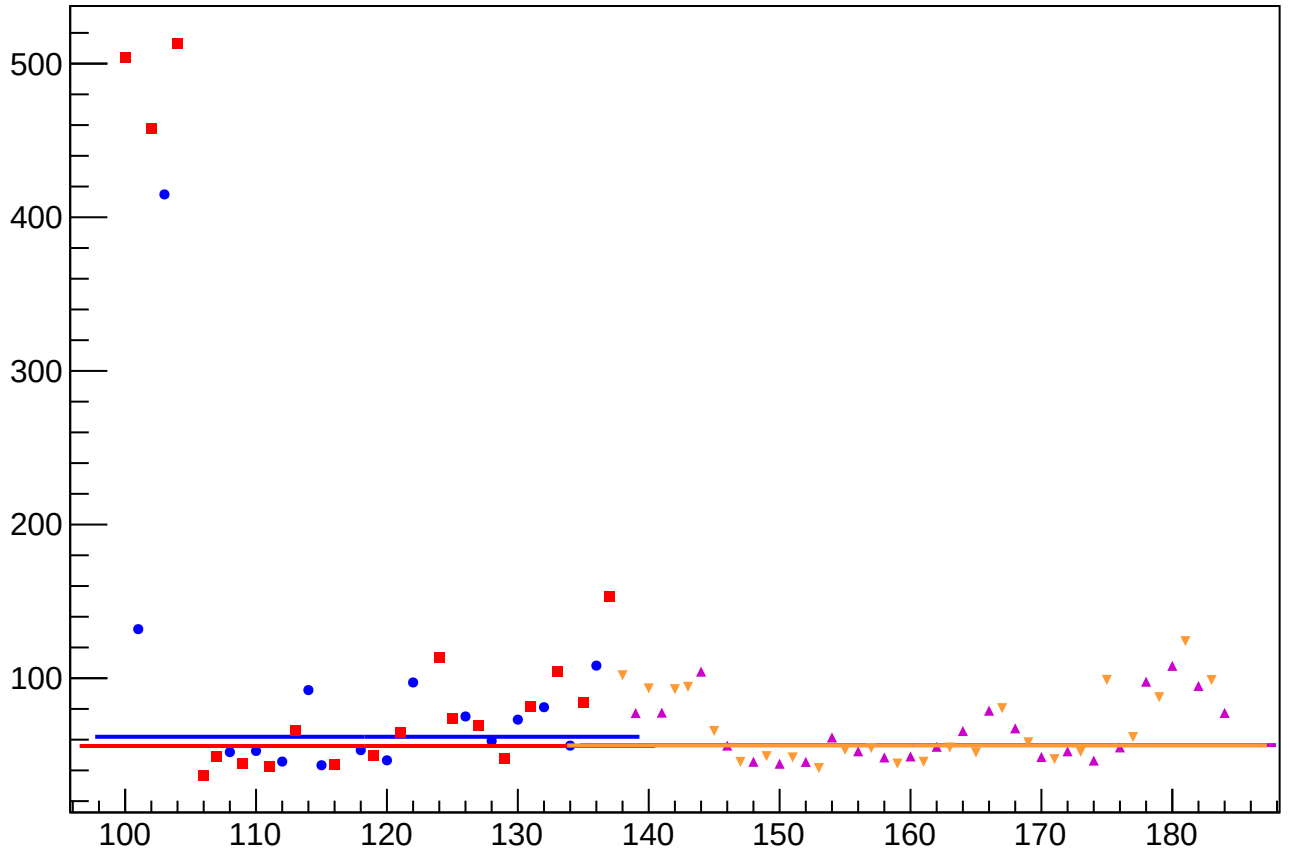
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/39

All: 0.004+/-0.009 χ^2/NDF: 93.2/81

- sign 0.021+/-0.012 χ^2/NDF: 55.3/41



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 56.260+/-0.010 χ^2/NDF:2786069.8/23

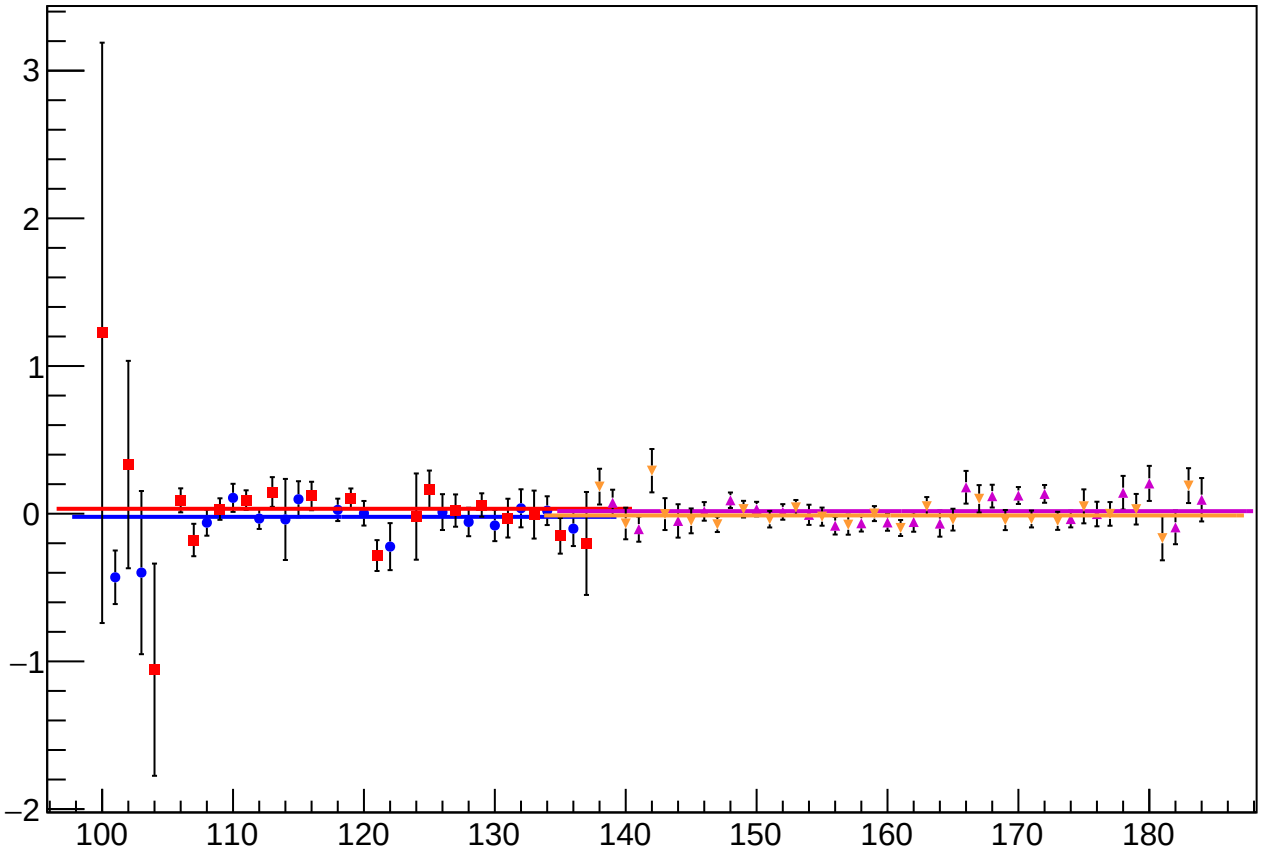
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.536+/-0.009 χ^2/NDF: 4793081.0/39

All: 56.918+/-0.006 χ^2/NDF: 9534599.6/81

- sign 56.317+/-0.009 χ^2/NDF: 4732126.0/41



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/23

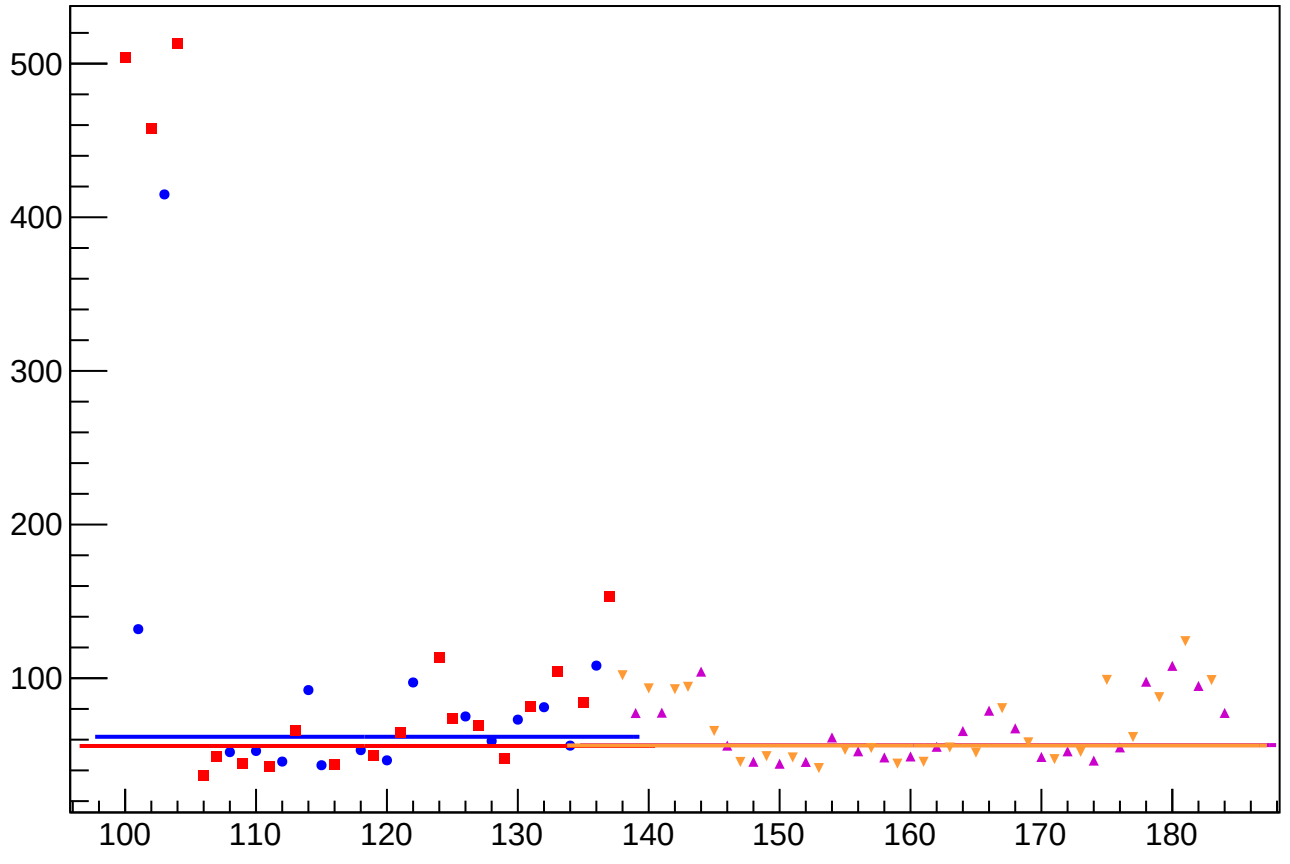
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/39

All: 0.004+/-0.009 χ^2/NDF: 93.2/81

- sign 0.021+/-0.012 χ^2/NDF: 55.3/41



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 56.260+/-0.010 χ^2/NDF:2786069.8/23

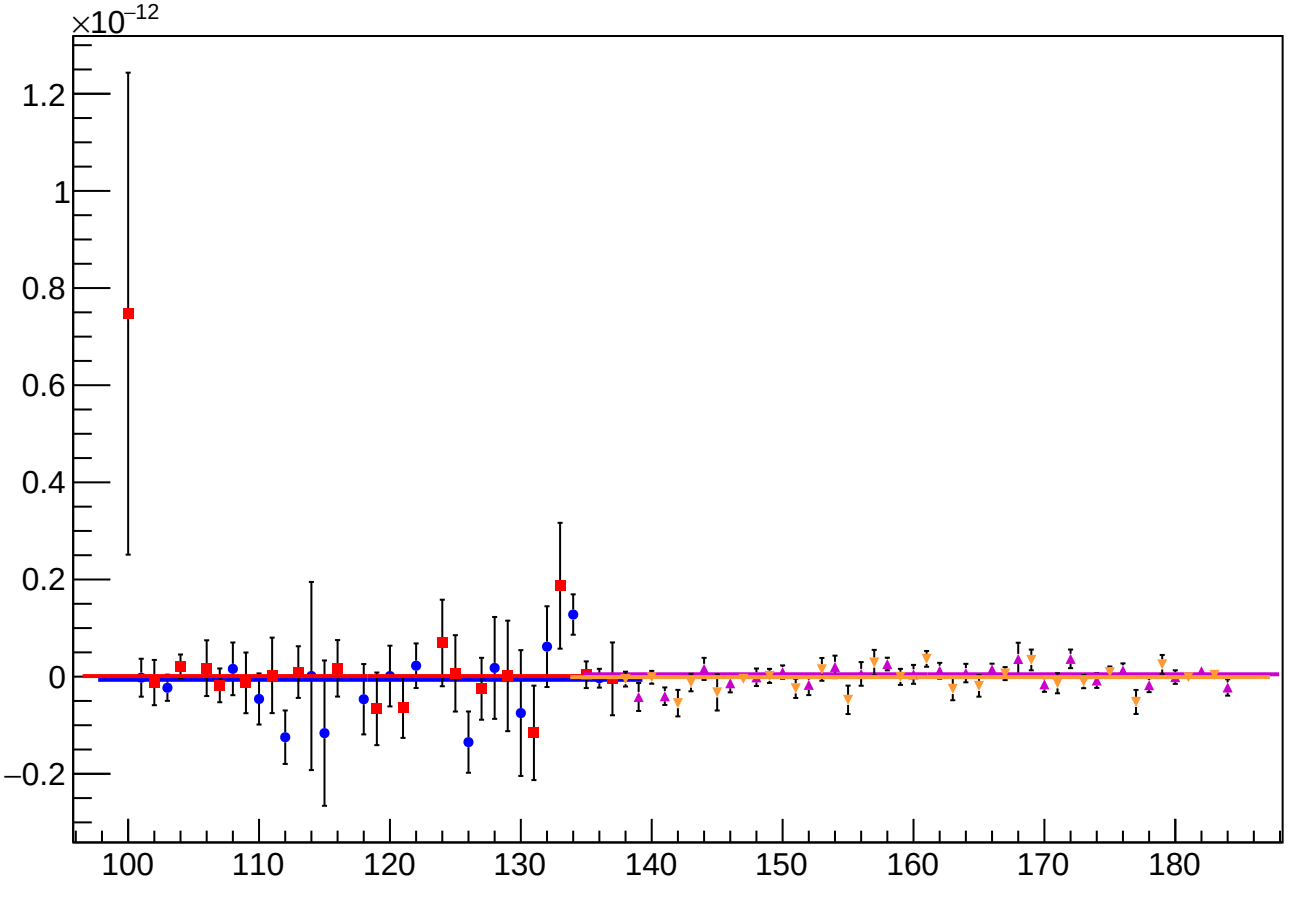
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.536+/-0.009 χ^2/NDF: 4793081.0/39

All: 56.918+/-0.006 χ^2/NDF: 9534599.6/81

- sign 56.317+/-0.009 χ^2/NDF: 4732126.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

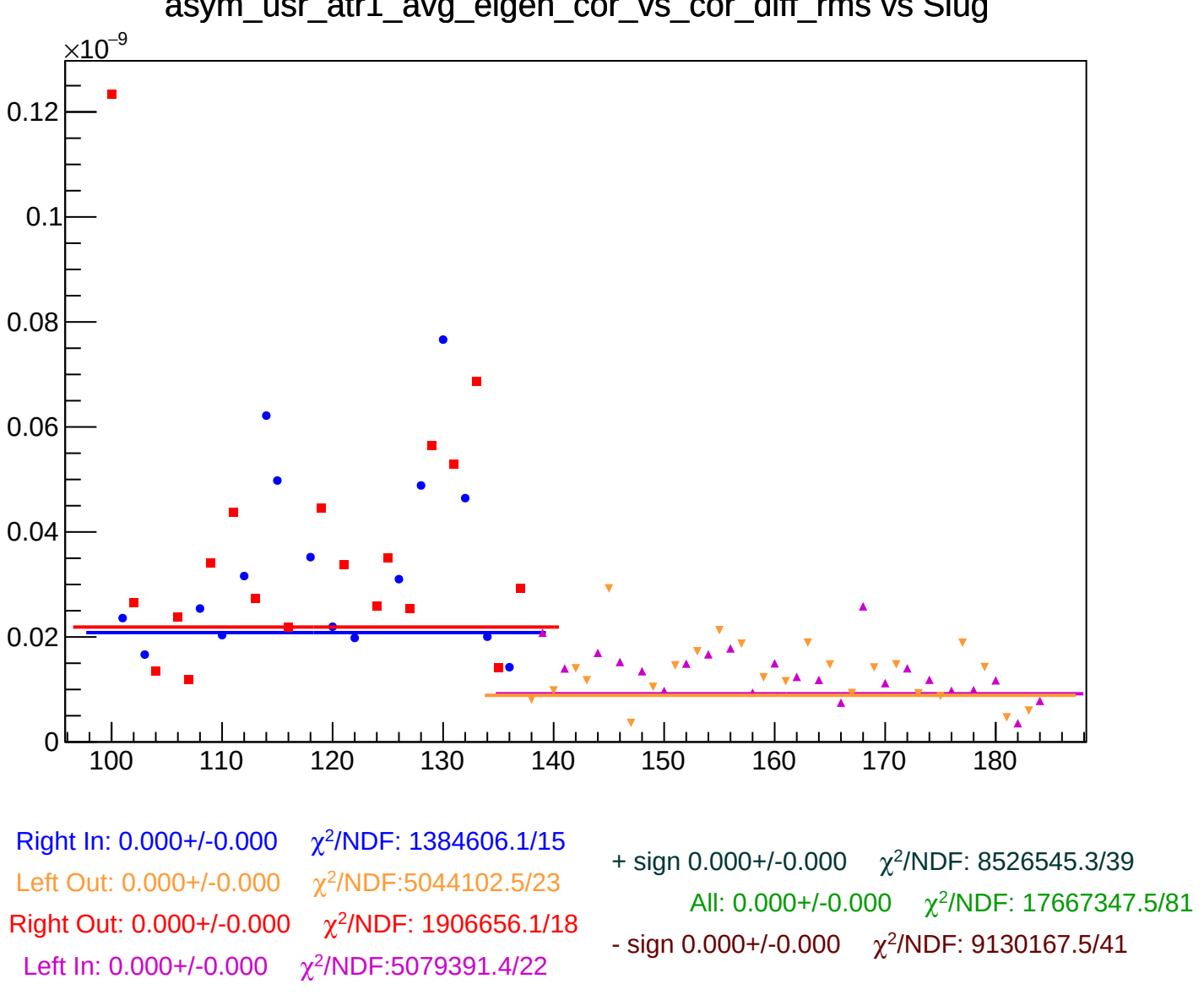
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

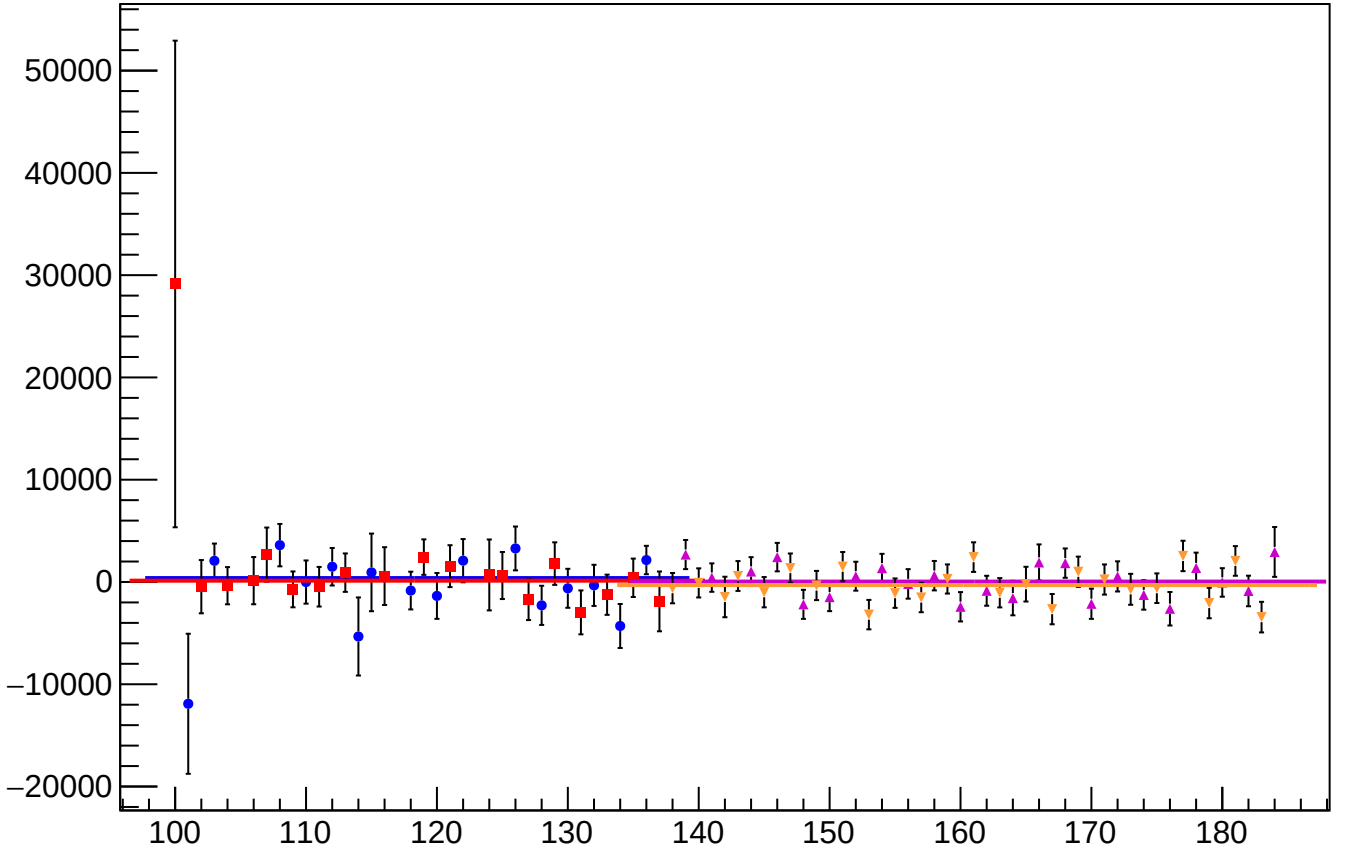
+ sign -0.000+/-0.000 χ^2/NDF: 51.9/39

All: 0.000+/-0.000 χ^2/NDF: 92.2/81

- sign 0.000+/-0.000 χ^2/NDF: 38.2/41


asym_usr_atr1_avg_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: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5044102.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1906656.1/18
Left In: 0.000+/-0.000 χ²/NDF:5079391.4/22
+ sign 0.000+/-0.000 χ²/NDF: 8526545.3/39
All: 0.000+/-0.000 χ²/NDF: 17667347.5/81
- sign 0.000+/-0.000 χ²/NDF: 9130167.5/41

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

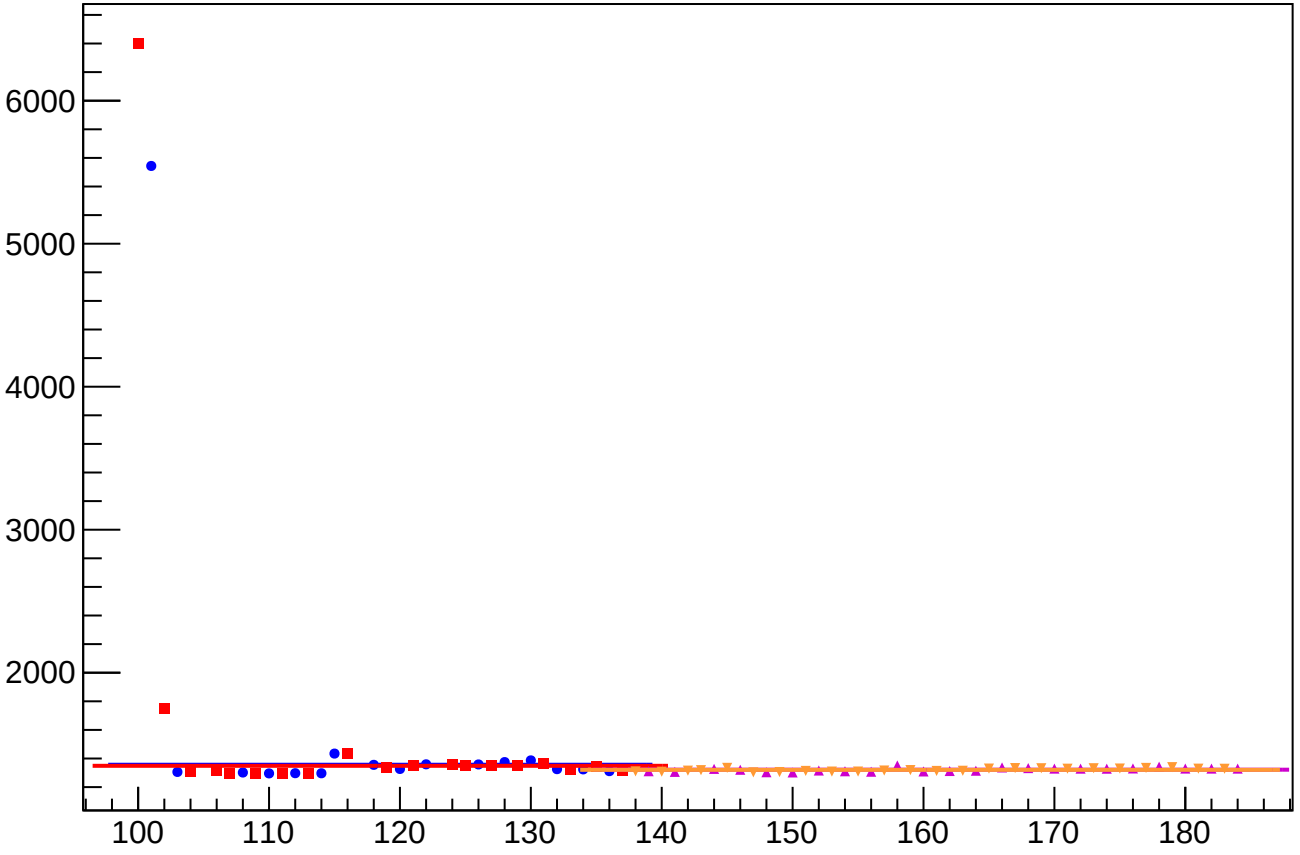
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -128.610+/-260.891 χ^2/NDF: 51.5/39

All: -33.217+/-185.137 χ^2/NDF: 88.8/81

- sign 63.552+/-262.765 χ^2/NDF: 37.1/41

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

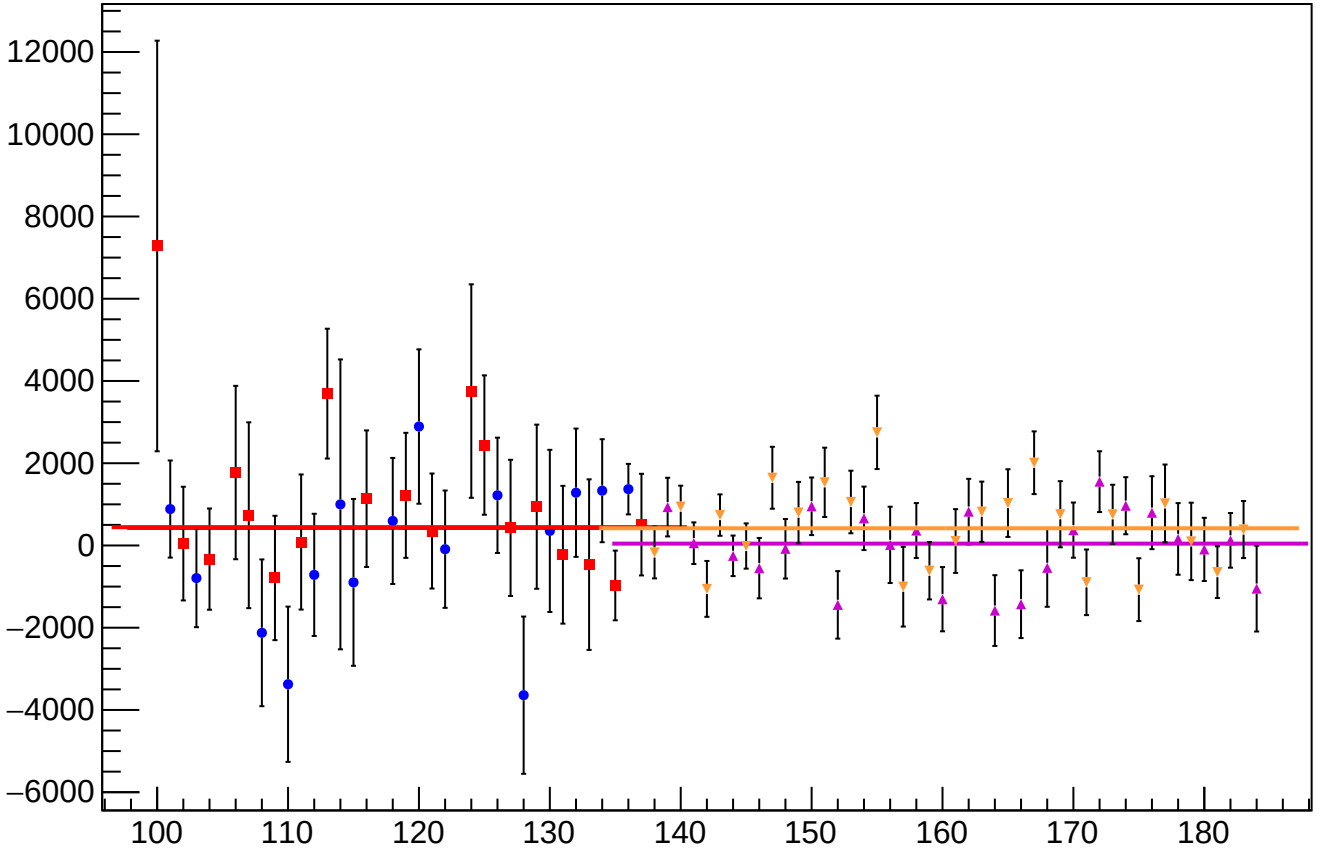
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.775+/-0.184 χ^2/NDF: 769953.7/39

All: 1329.521+/-0.131 χ^2/NDF: 925047.5/81

- sign 1329.263+/-0.186 χ^2/NDF: 155090.0/41

asym_usr_atr1_dd_reg_correction_mean vs Slug



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

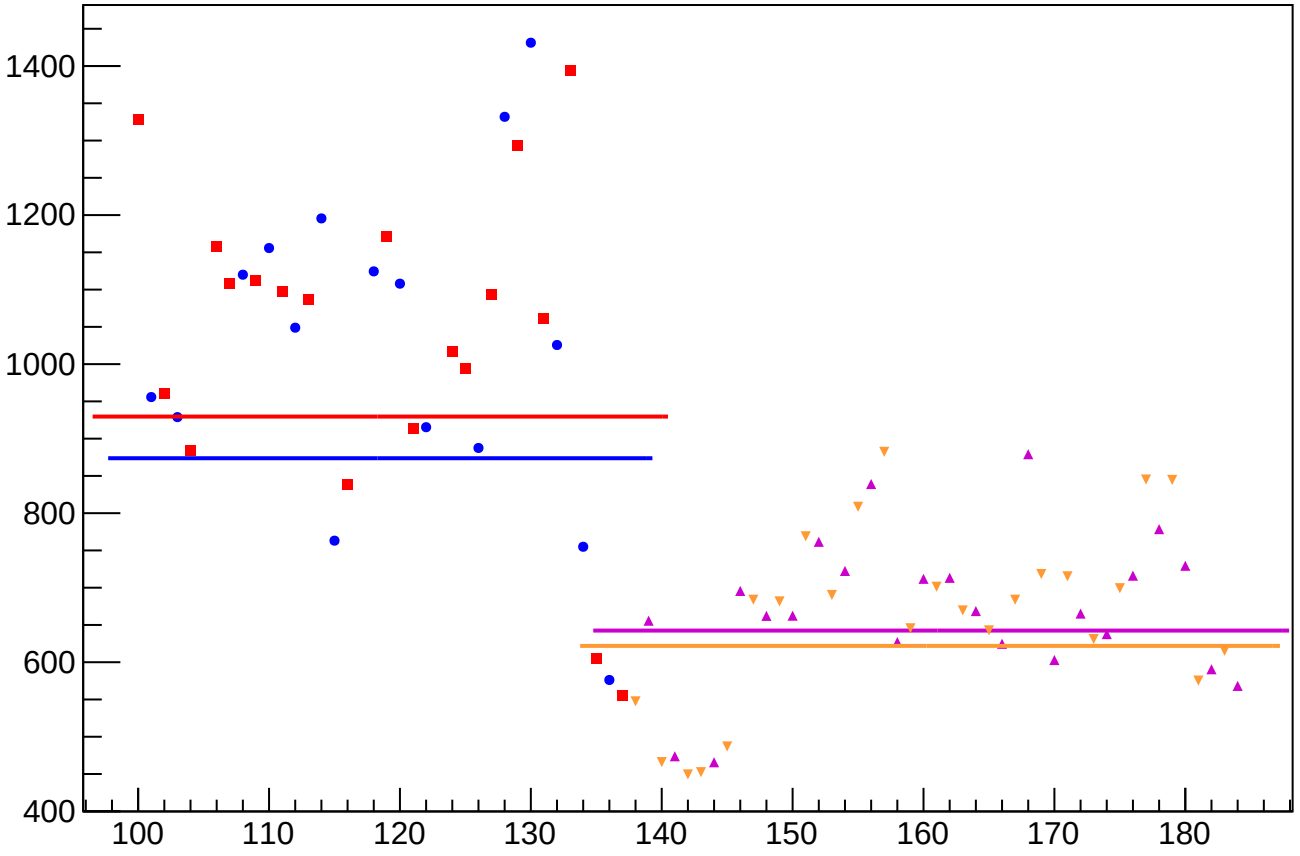
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 420.107+/-133.730 χ^2/NDF: 58.2/39

All: 270.638+/-96.710 χ^2/NDF: 103.8/81

- sign 106.767+/-140.025 χ^2/NDF: 43.0/41

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

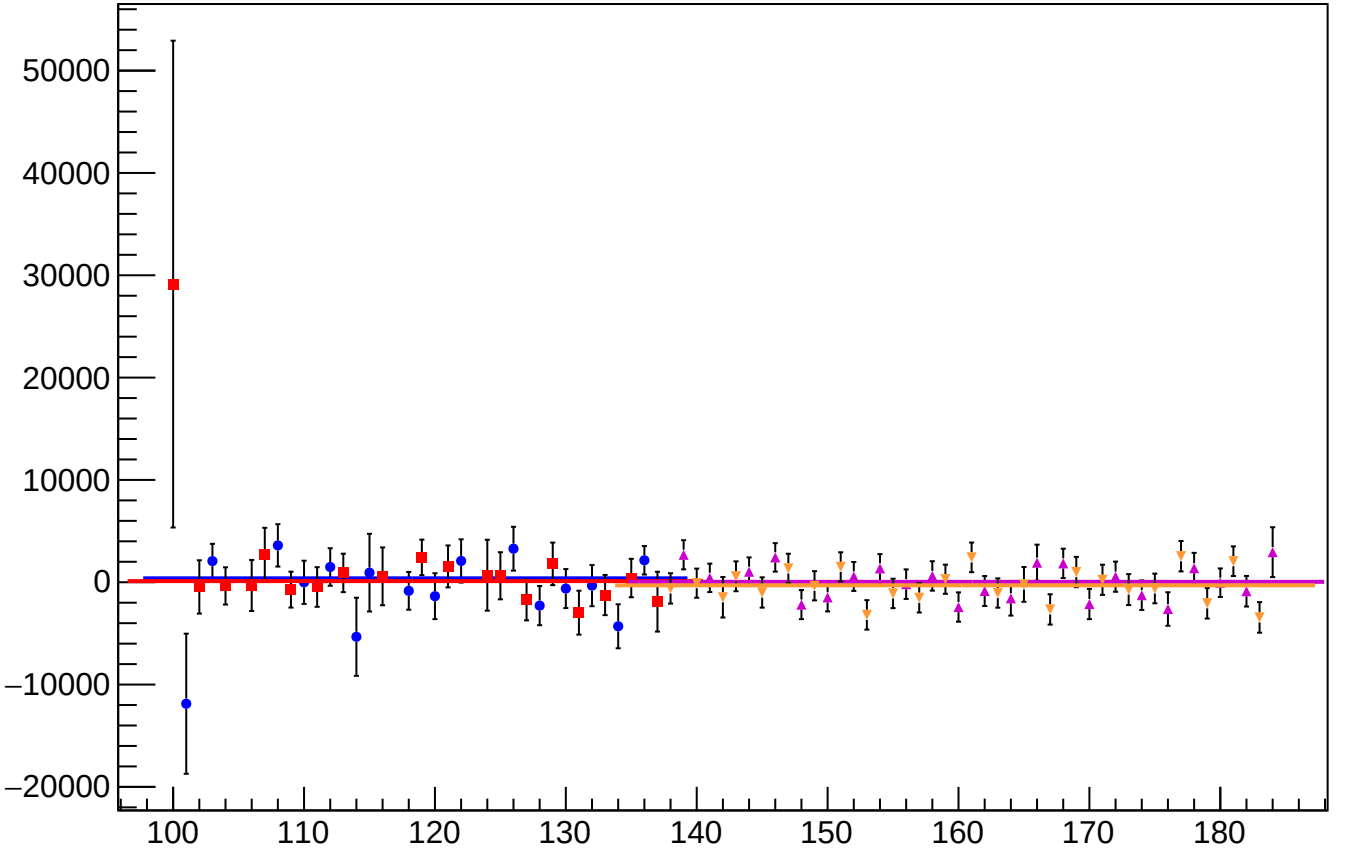
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 661.229+/-0.095 χ^2/NDF: 3332586.0/39

All: 673.521+/-0.068 χ^2/NDF: 6256359.2/81

- sign 686.998+/-0.099 χ^2/NDF: 2888346.9/41

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

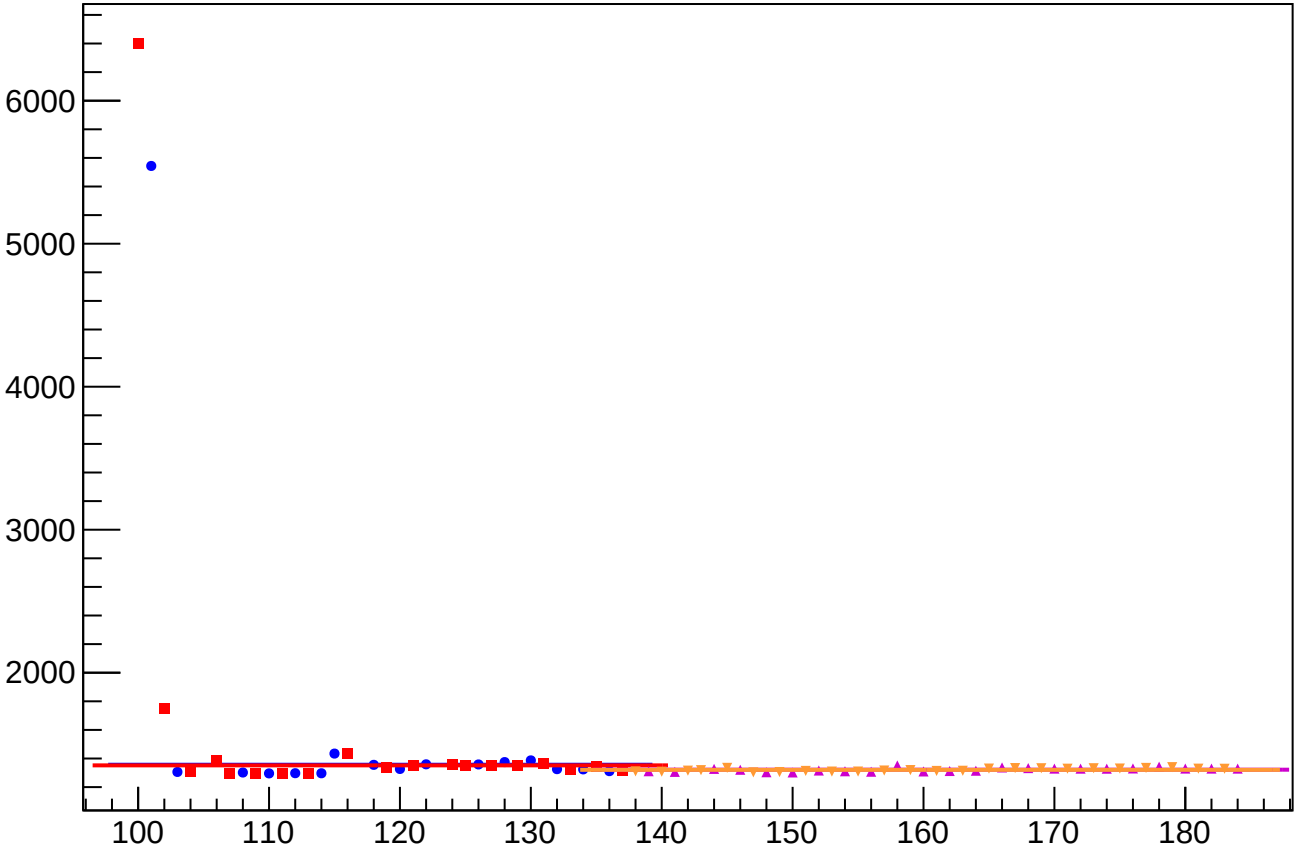
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -128.540+/-260.891 χ^2/NDF: 51.4/39

All: -35.701+/-185.223 χ^2/NDF: 88.8/81

- sign 58.652+/-263.011 χ^2/NDF: 37.1/41

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

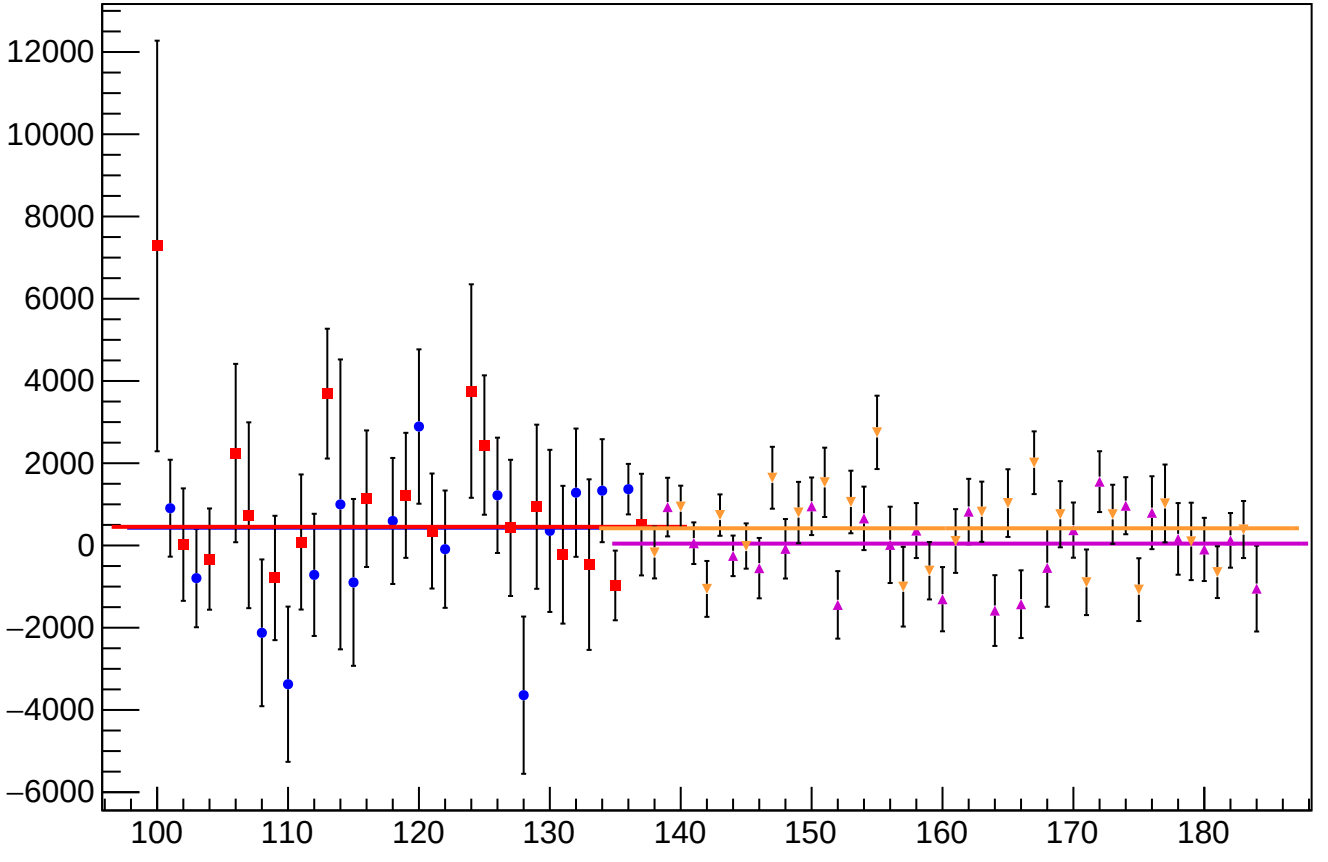
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.775+/-0.184 χ^2/NDF: 769952.7/39

All: 1329.925+/-0.131 χ^2/NDF: 926111.2/81

- sign 1330.077+/-0.186 χ^2/NDF: 156157.2/41

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

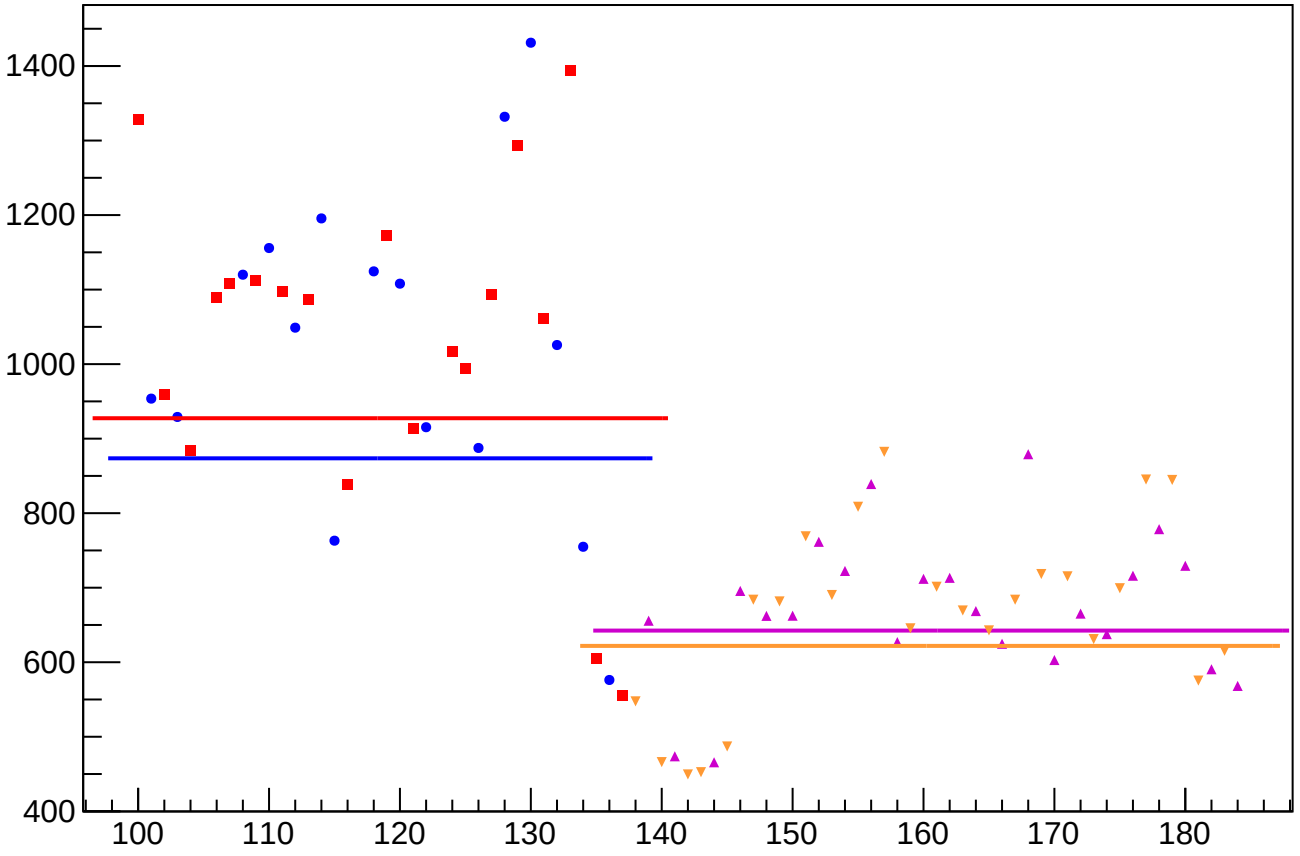
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 420.357+/-133.726 χ^2/NDF: 58.2/39

All: 271.395+/-96.709 χ^2/NDF: 104.2/81

- sign 108.071+/-140.025 χ^2/NDF: 43.4/41

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

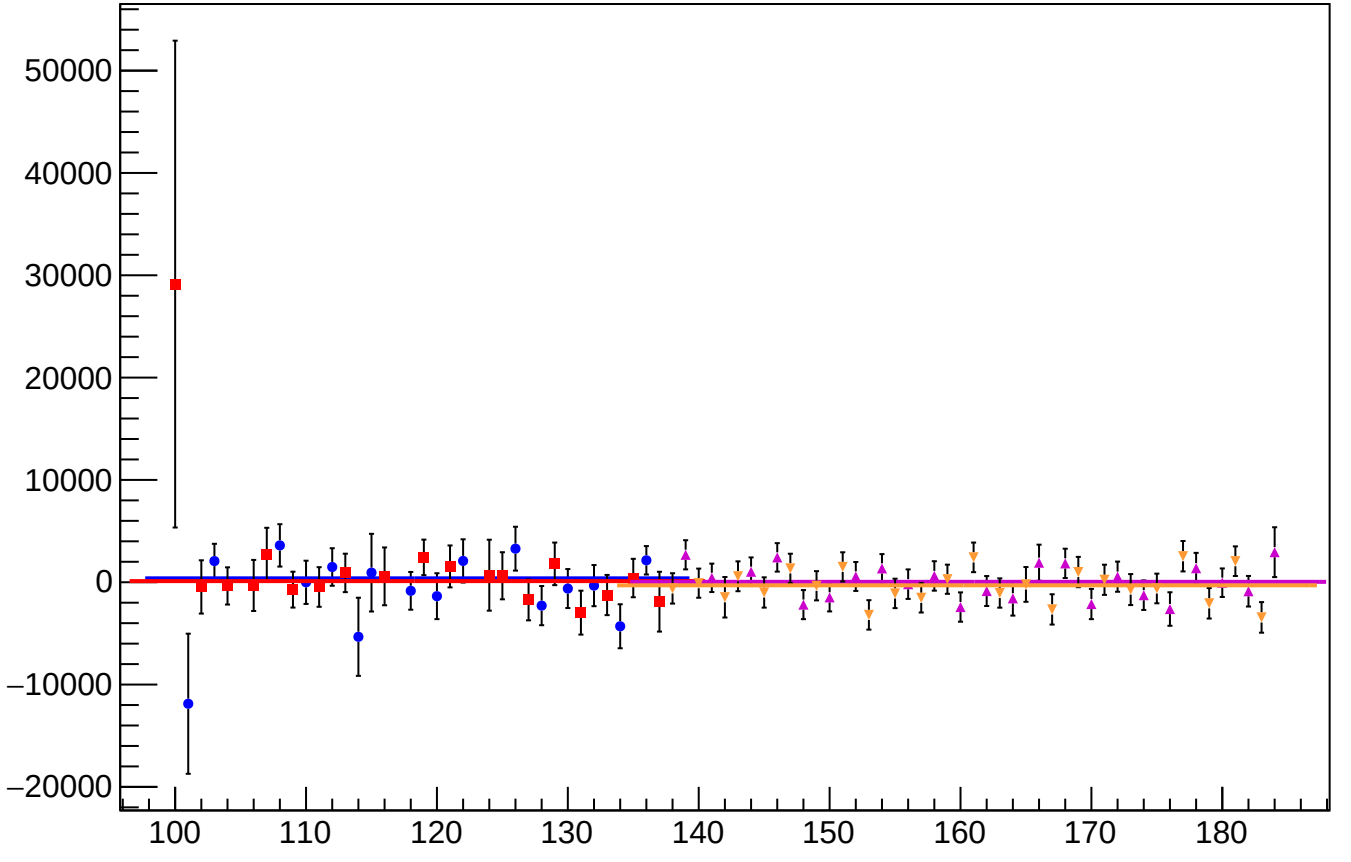
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 661.220+/-0.095 χ^2/NDF: 3331354.0/39

All: 673.349+/-0.068 χ^2/NDF: 6224650.7/81

- sign 686.647+/-0.099 χ^2/NDF: 2858806.3/41

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

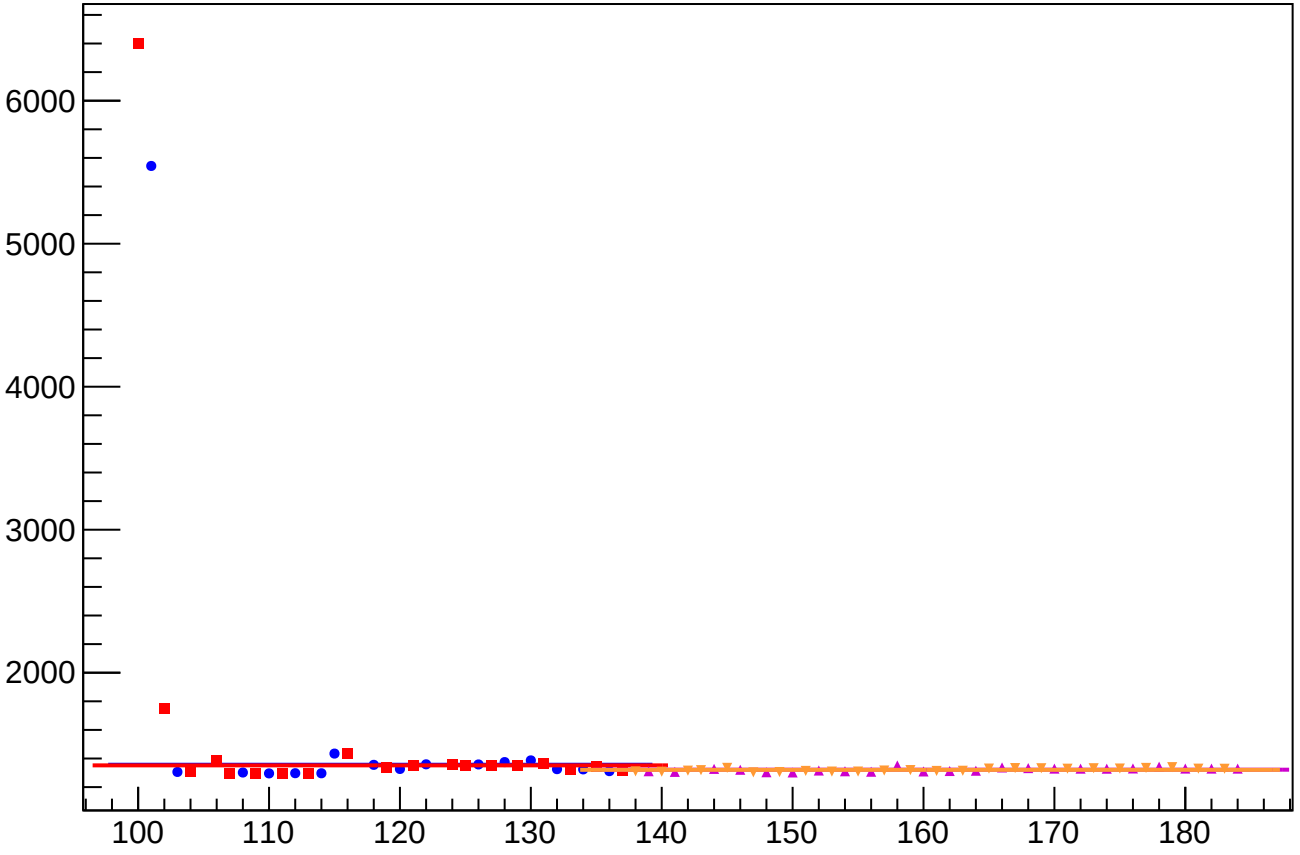
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -128.540+/-260.891 χ^2/NDF: 51.4/39

All: -35.701+/-185.223 χ^2/NDF: 88.8/81

- sign 58.652+/-263.011 χ^2/NDF: 37.1/41

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

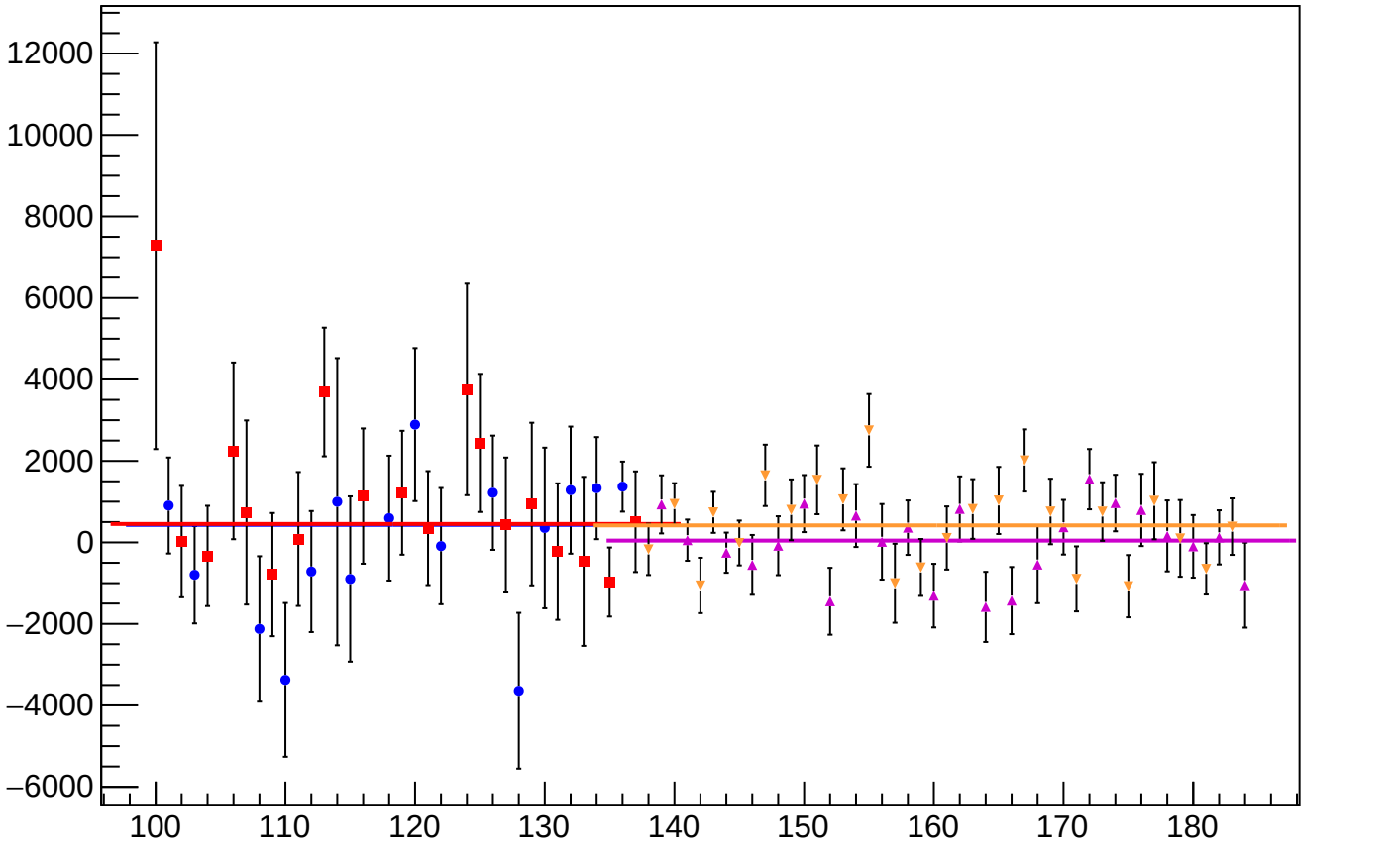
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.775+/-0.184 χ^2/NDF: 769952.7/39

All: 1329.925+/-0.131 χ^2/NDF: 926111.2/81

- sign 1330.077+/-0.186 χ^2/NDF: 156157.2/41



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

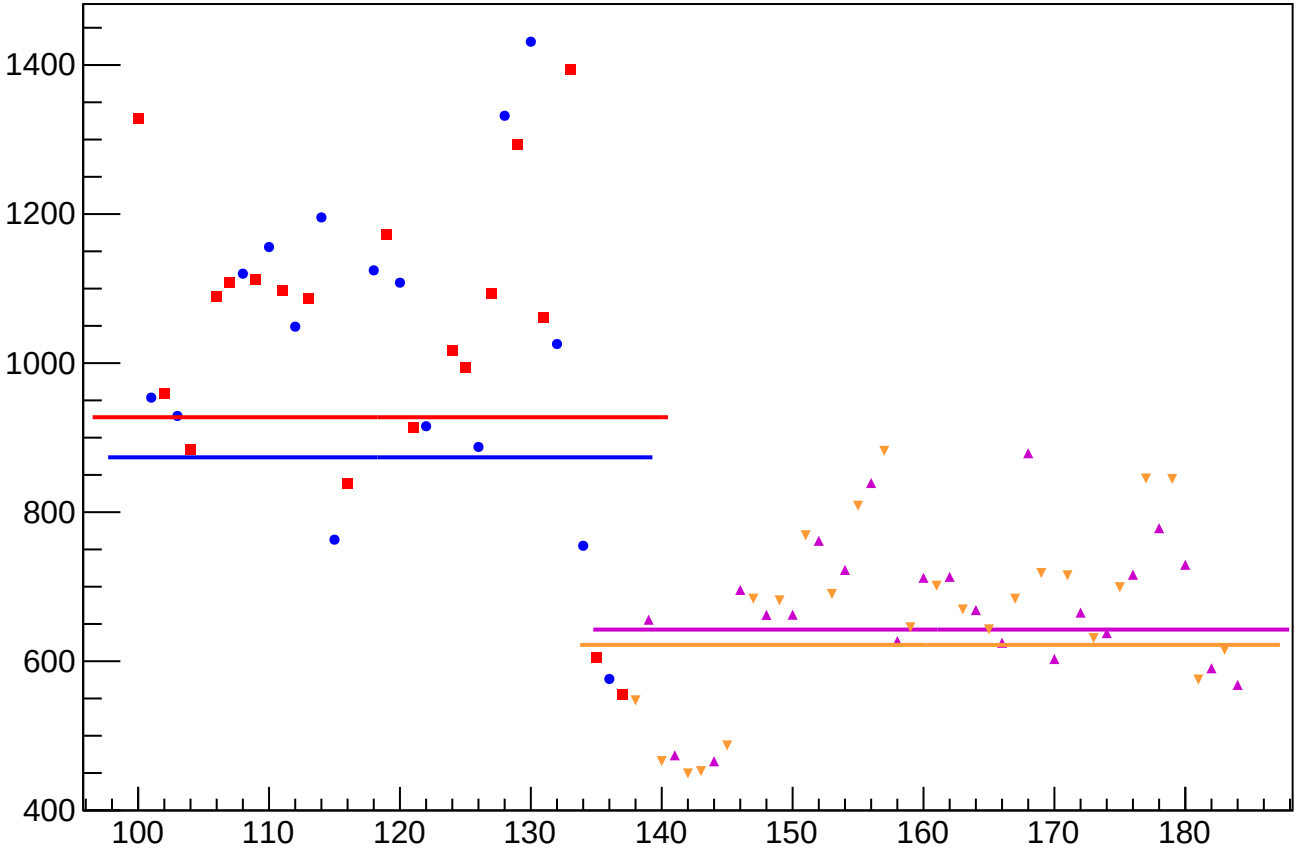
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 420.357+/-133.726 χ^2/NDF: 58.2/39

All: 271.395+/-96.709 χ^2/NDF: 104.2/81

- sign 108.071+/-140.025 χ^2/NDF: 43.4/41

asym_usr_atr1_dd_eigen_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

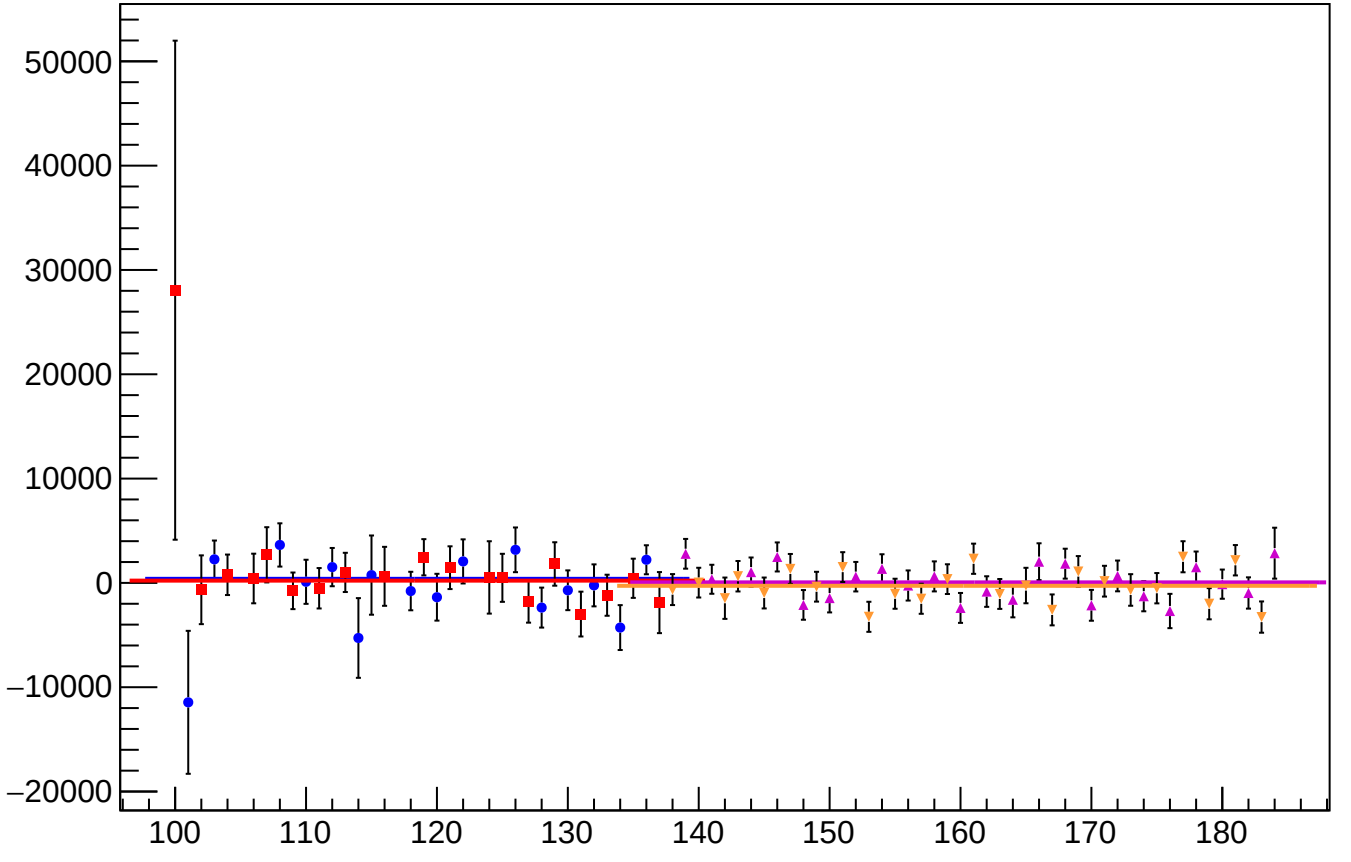
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 661.220+/-0.095 χ^2/NDF: 3331354.0/39

All: 673.349+/-0.068 χ^2/NDF: 6224650.7/81

- sign 686.647+/-0.099 χ^2/NDF: 2858806.3/41

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

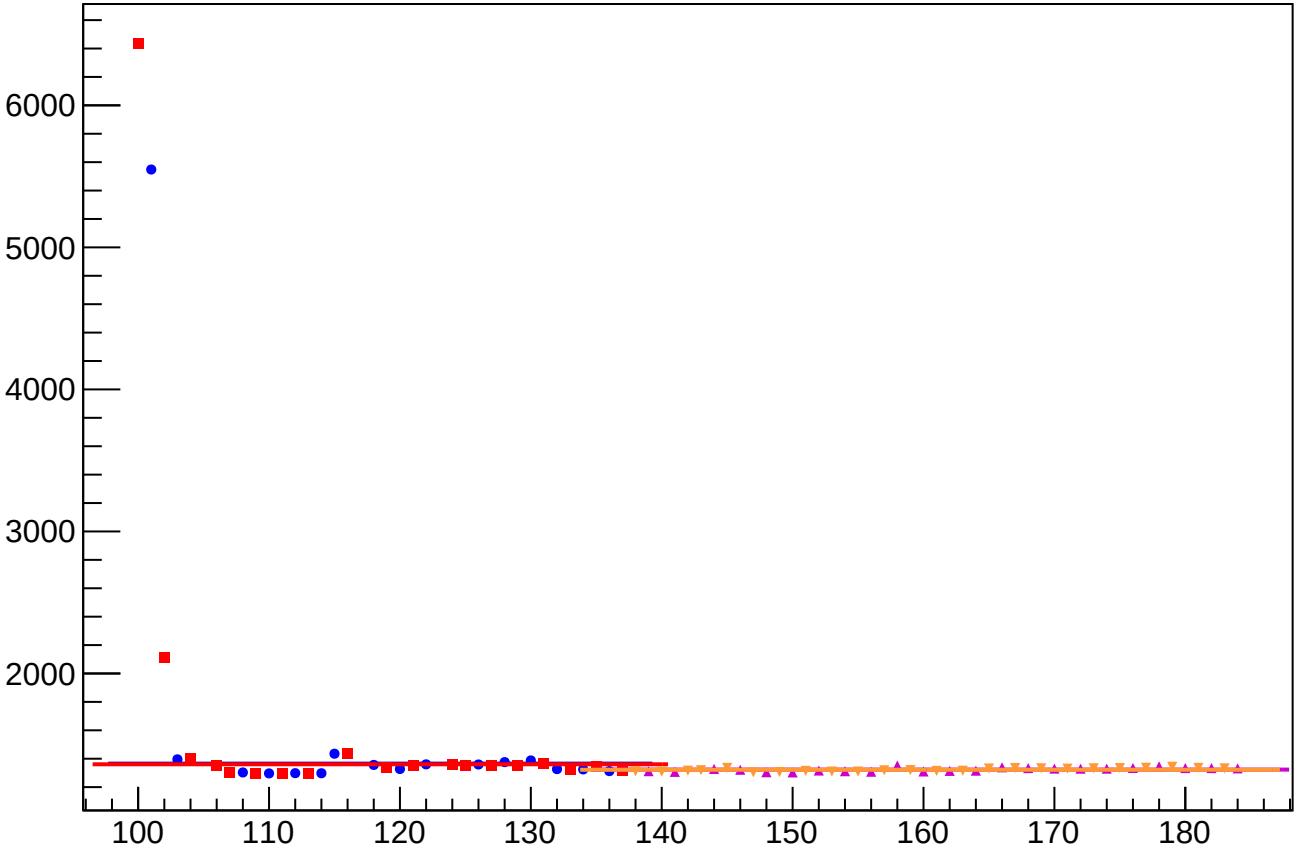
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -109.717+/-261.562 χ^2/NDF: 50.6/39

All: -8.000+/-185.801 χ^2/NDF: 88.8/81

- sign 95.606+/-263.979 χ^2/NDF: 37.9/41

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

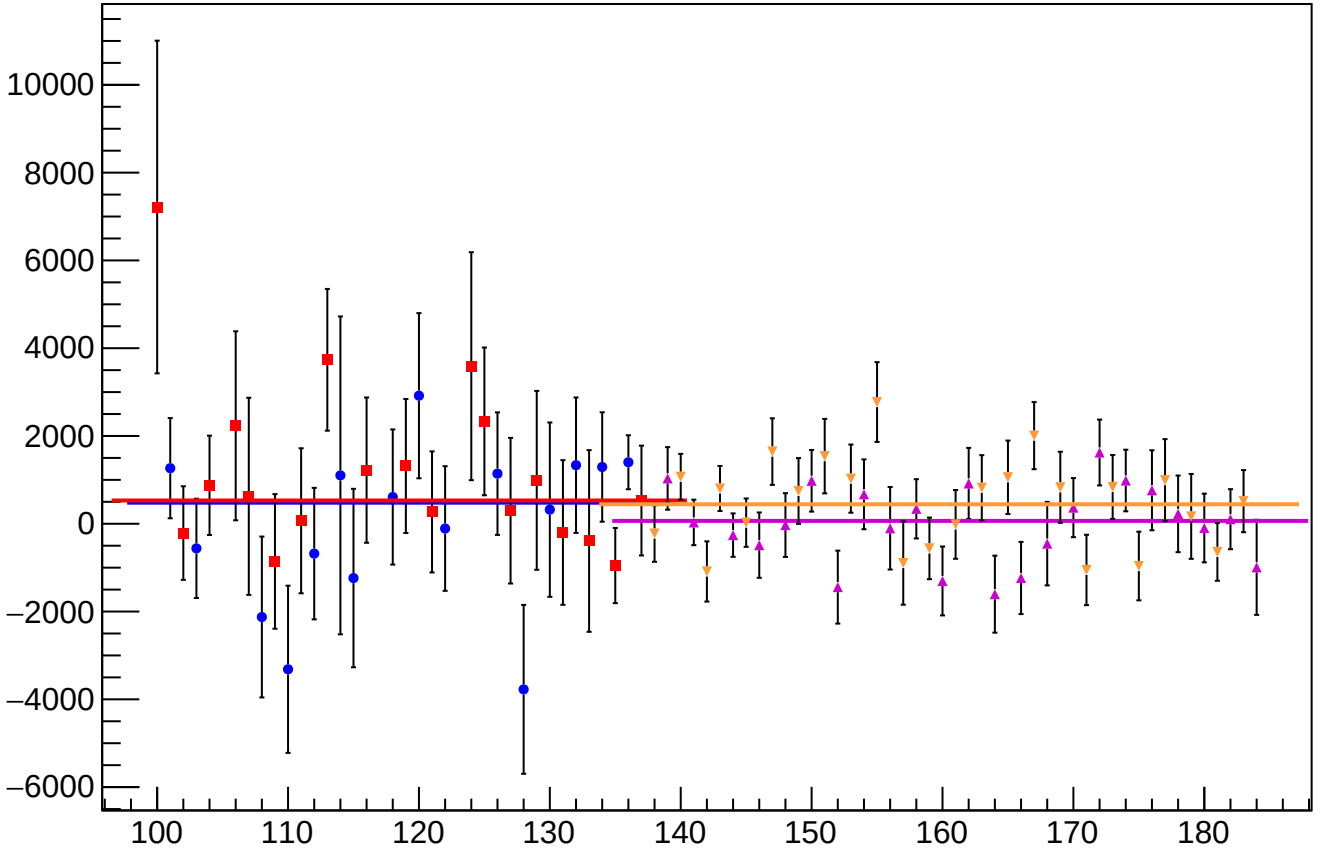
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.171+/-0.185 χ^2/NDF: 772037.7/39

All: 1333.309+/-0.131 χ^2/NDF: 989139.1/81

- sign 1333.448+/-0.187 χ^2/NDF: 217100.3/41

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

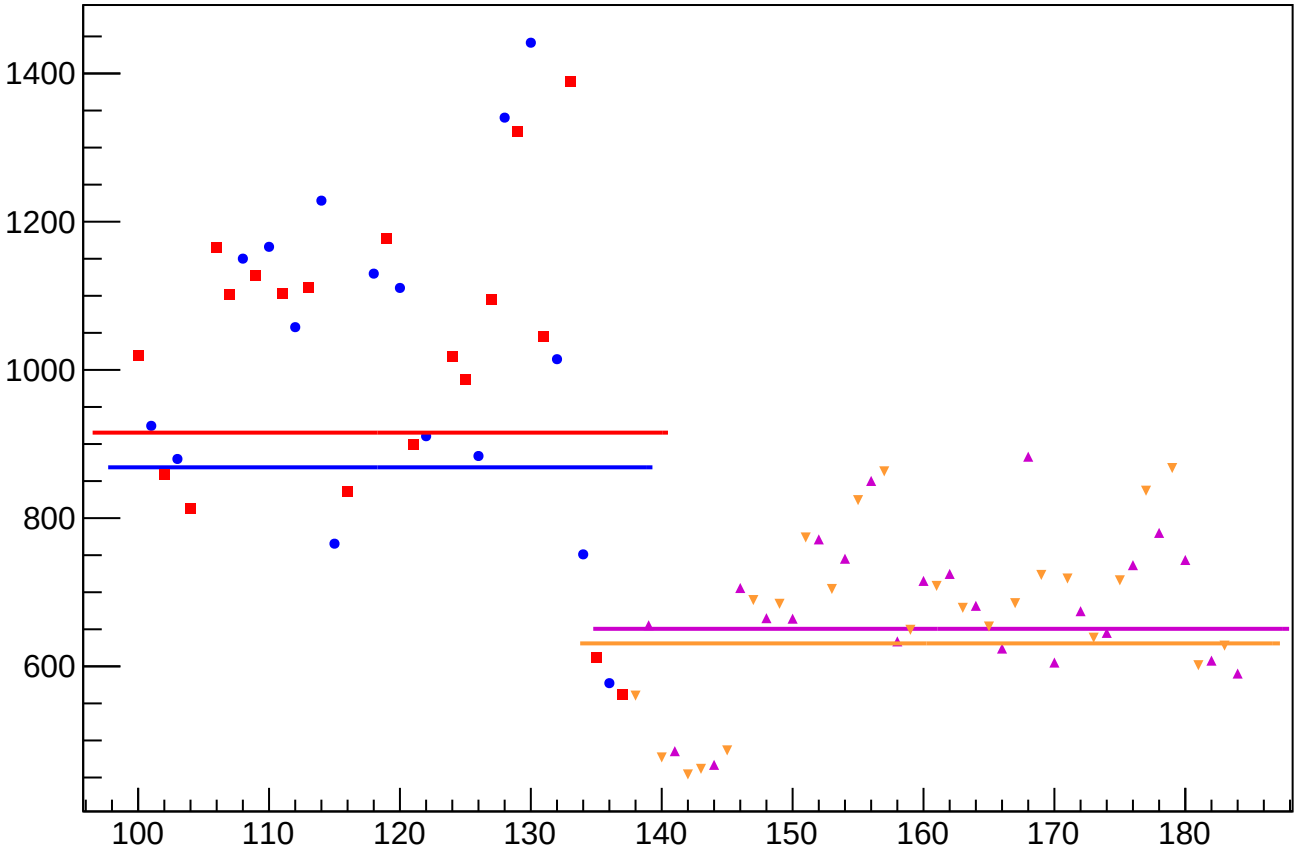
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 449.823+/-135.136 χ^2/NDF: 58.4/39

All: 302.526+/-97.520 χ^2/NDF: 105.1/81

- sign 142.461+/-140.872 χ^2/NDF: 44.2/41

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

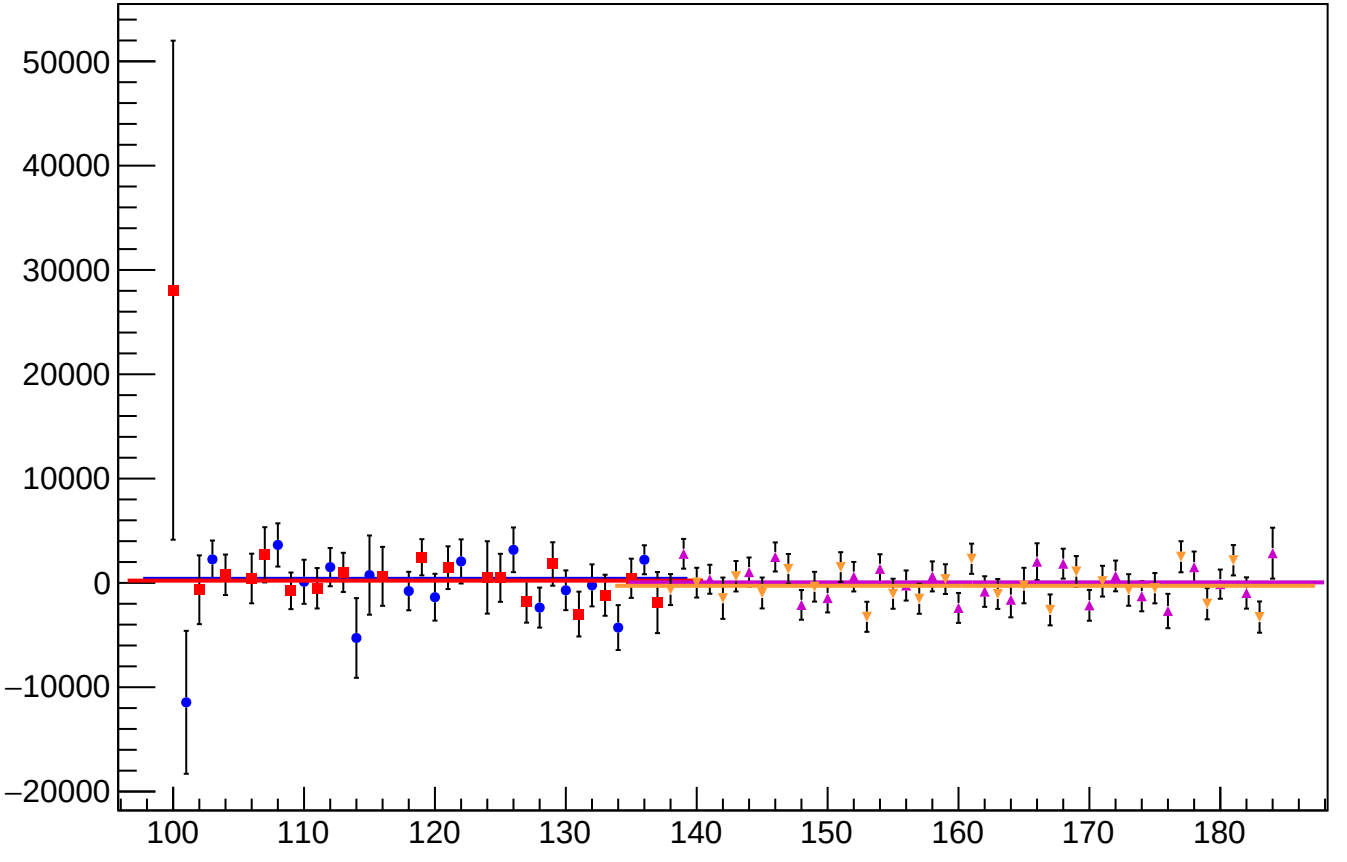
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 669.287+/-0.096 χ^2/NDF: 3185279.5/39

All: 681.366+/-0.069 χ^2/NDF: 5975808.1/81

- sign 694.492+/-0.100 χ^2/NDF: 2757186.0/41

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

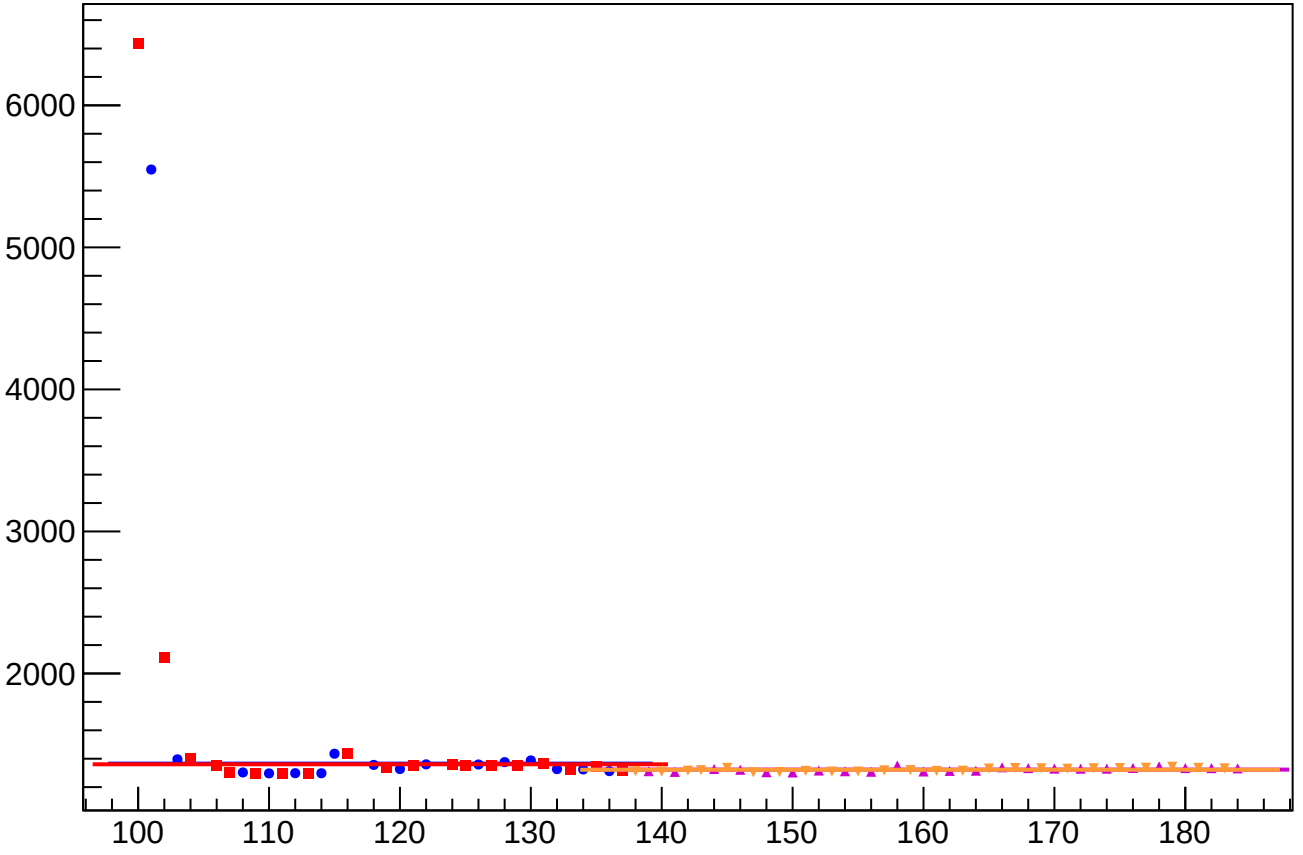
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -109.718+/-261.562 χ^2/NDF: 50.6/39

All: -8.001+/-185.801 χ^2/NDF: 88.8/81

- sign 95.605+/-263.979 χ^2/NDF: 37.9/41

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

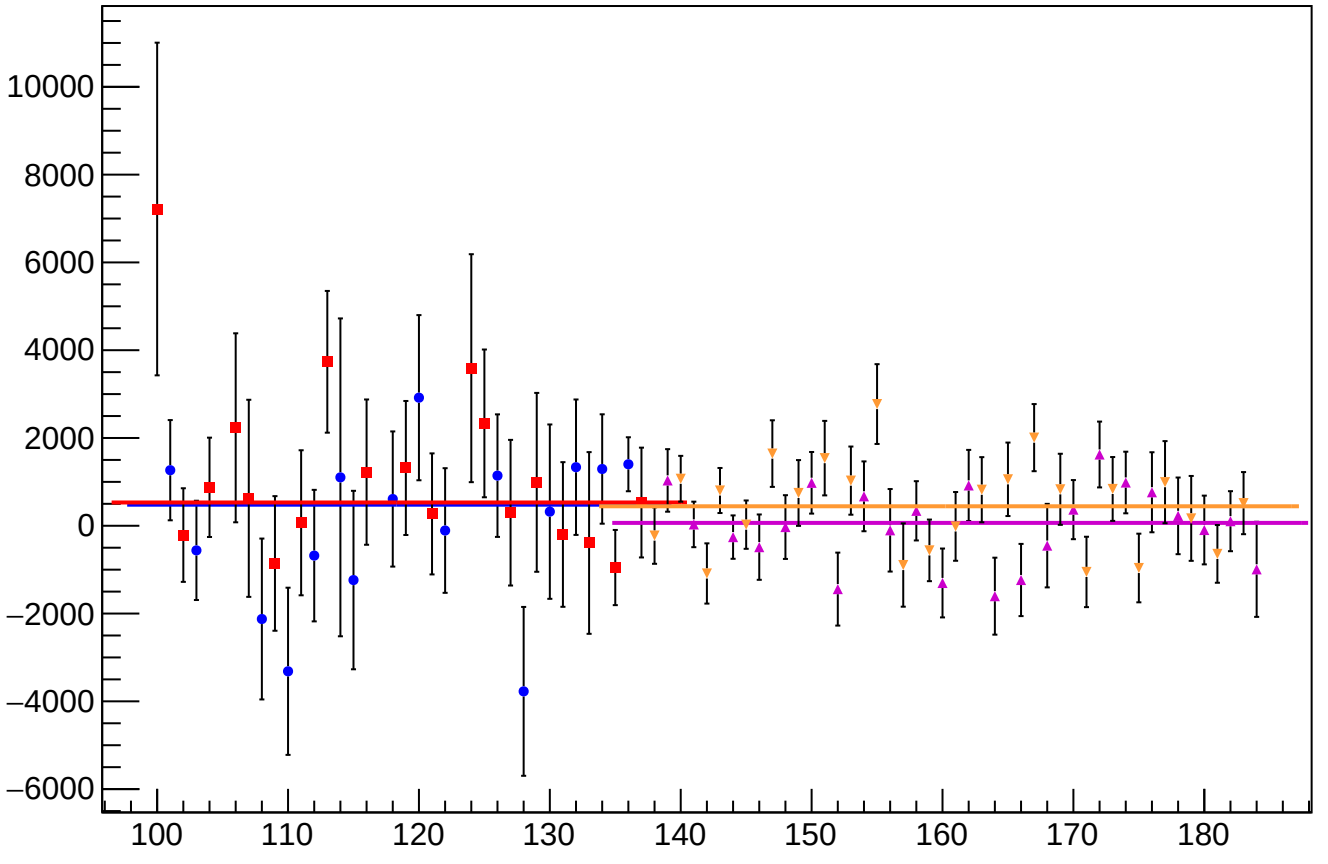
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.171+/-0.185 χ^2/NDF: 772037.7/39

All: 1333.309+/-0.131 χ^2/NDF: 989139.0/81

- sign 1333.448+/-0.187 χ^2/NDF: 217100.2/41



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 443.945+/-147.556 χ^2/NDF:39.8/23

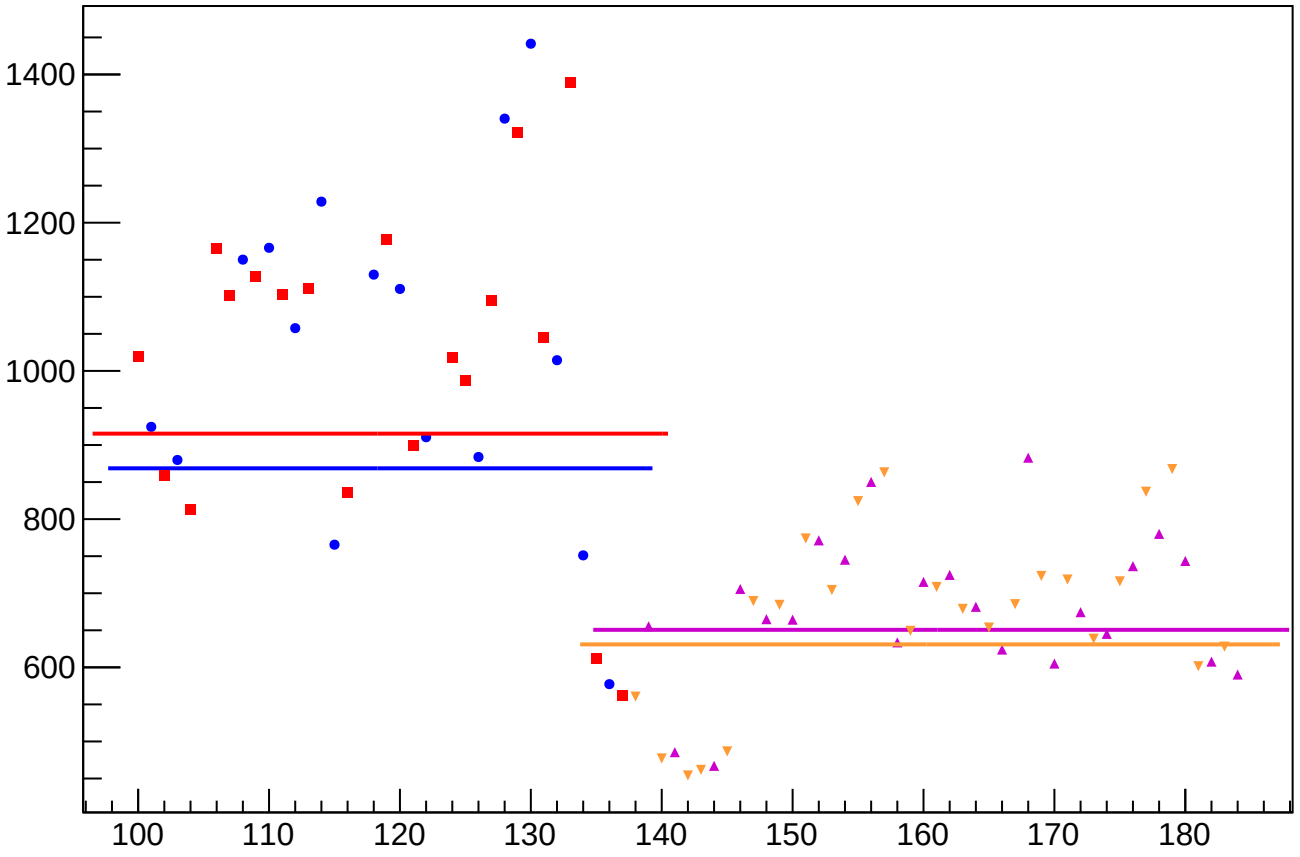
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 449.823+/-135.136 χ^2/NDF: 58.4/39

All: 302.527+/-97.520 χ^2/NDF: 105.1/81

- sign 142.461+/-140.872 χ^2/NDF: 44.2/41



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

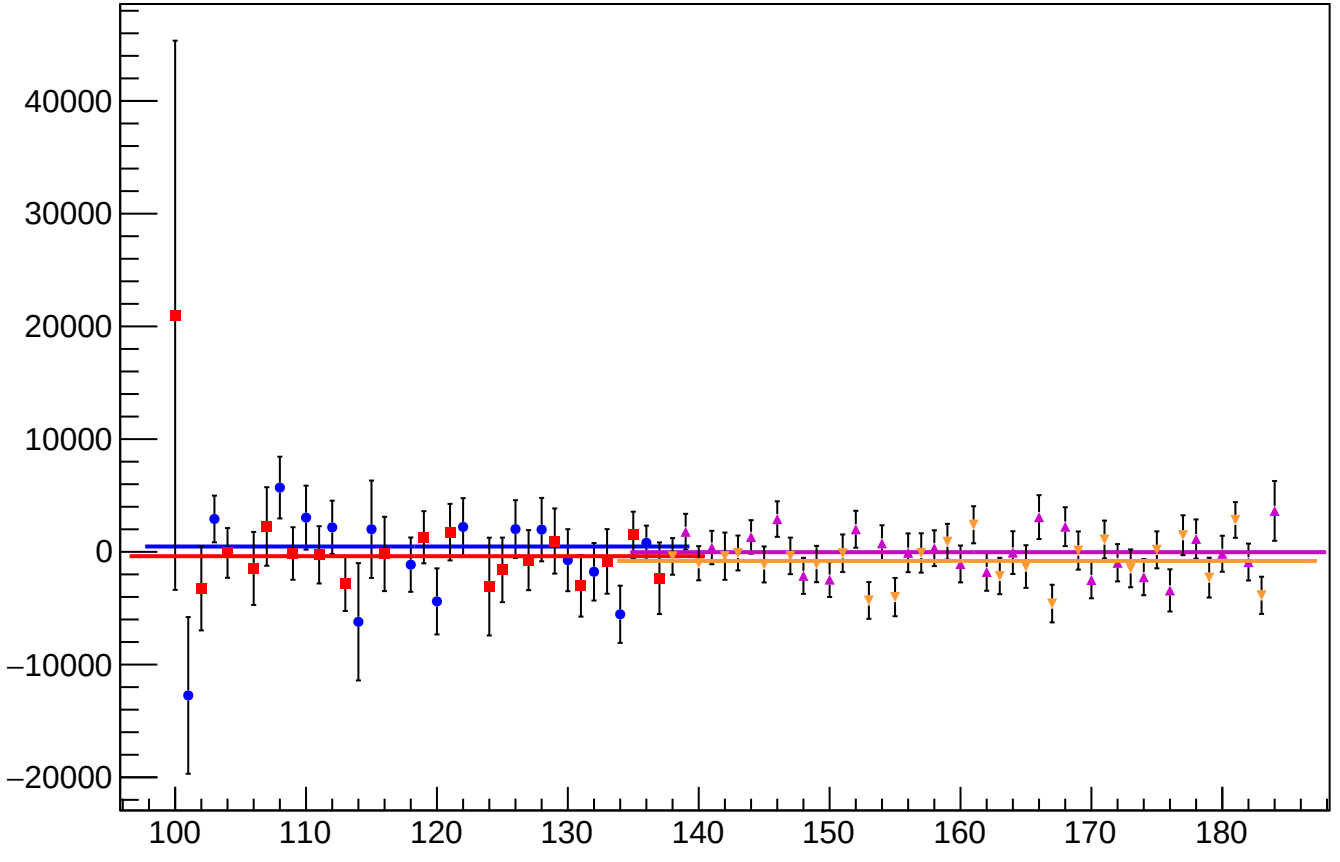
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 669.288+/-0.096 χ^2/NDF: 3185280.8/39

All: 681.367+/-0.069 χ^2/NDF: 5975801.5/81

- sign 694.493+/-0.100 χ^2/NDF: 2757176.6/41

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

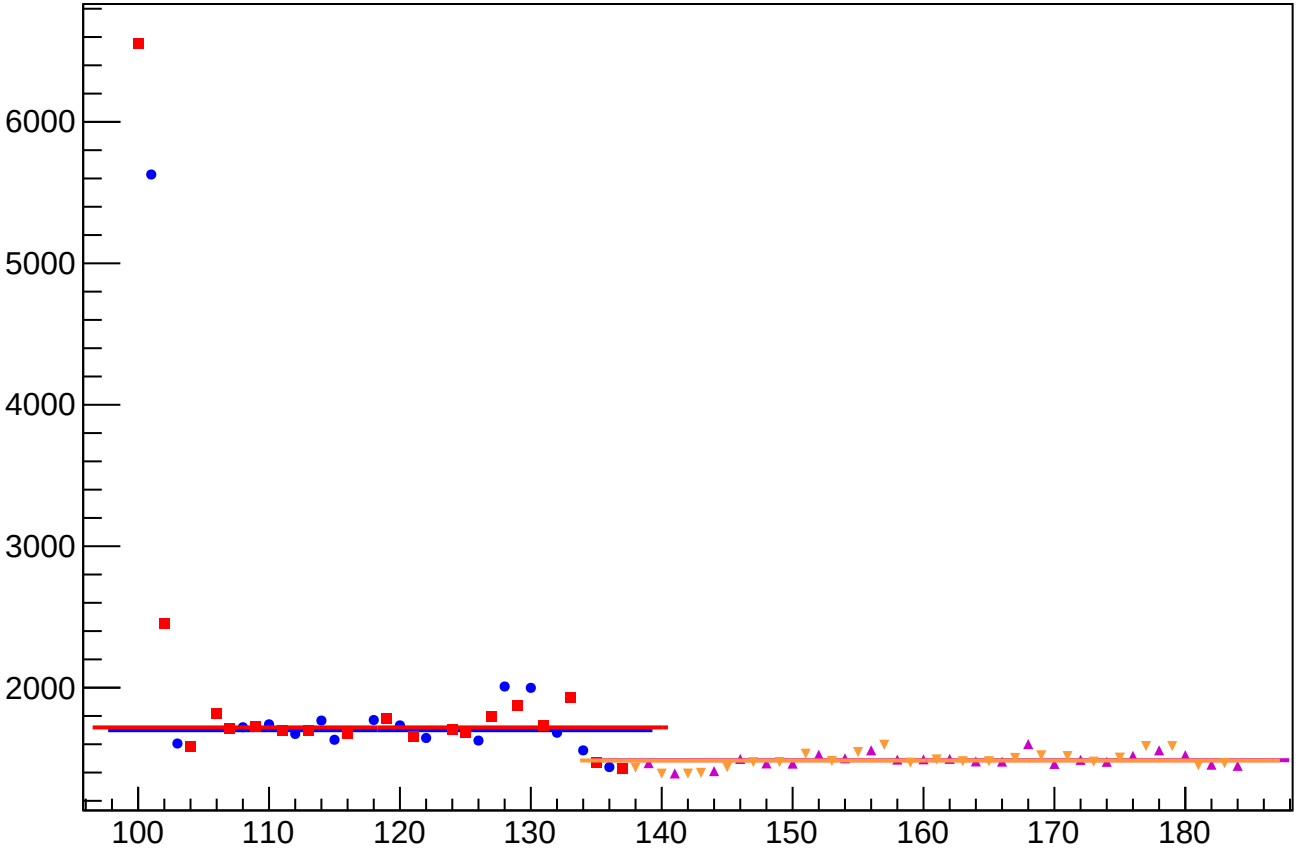
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

\+ sign -530.305+/-301.150 χ^2/NDF: 58.7/39

All: -322.429+/-214.482 χ^2/NDF: 95.2/81

\- sign -108.440+/-305.545 χ^2/NDF: 35.5/41

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

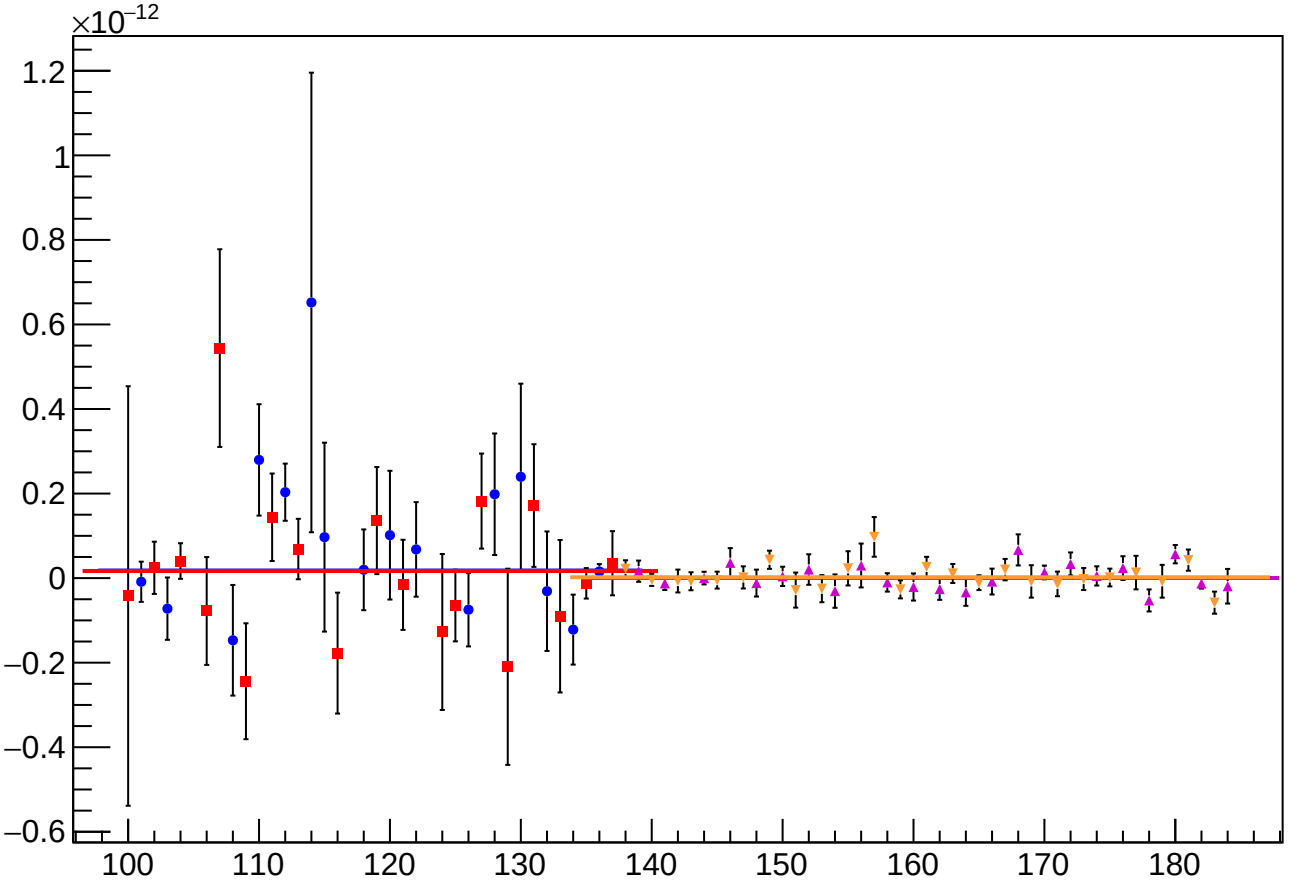
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1531.314+/-0.213 χ^2/NDF: 983552.2/39

All: 1535.427+/-0.152 χ^2/NDF: 1454883.6/81

- sign 1539.661+/-0.216 χ^2/NDF: 470574.4/41

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/23

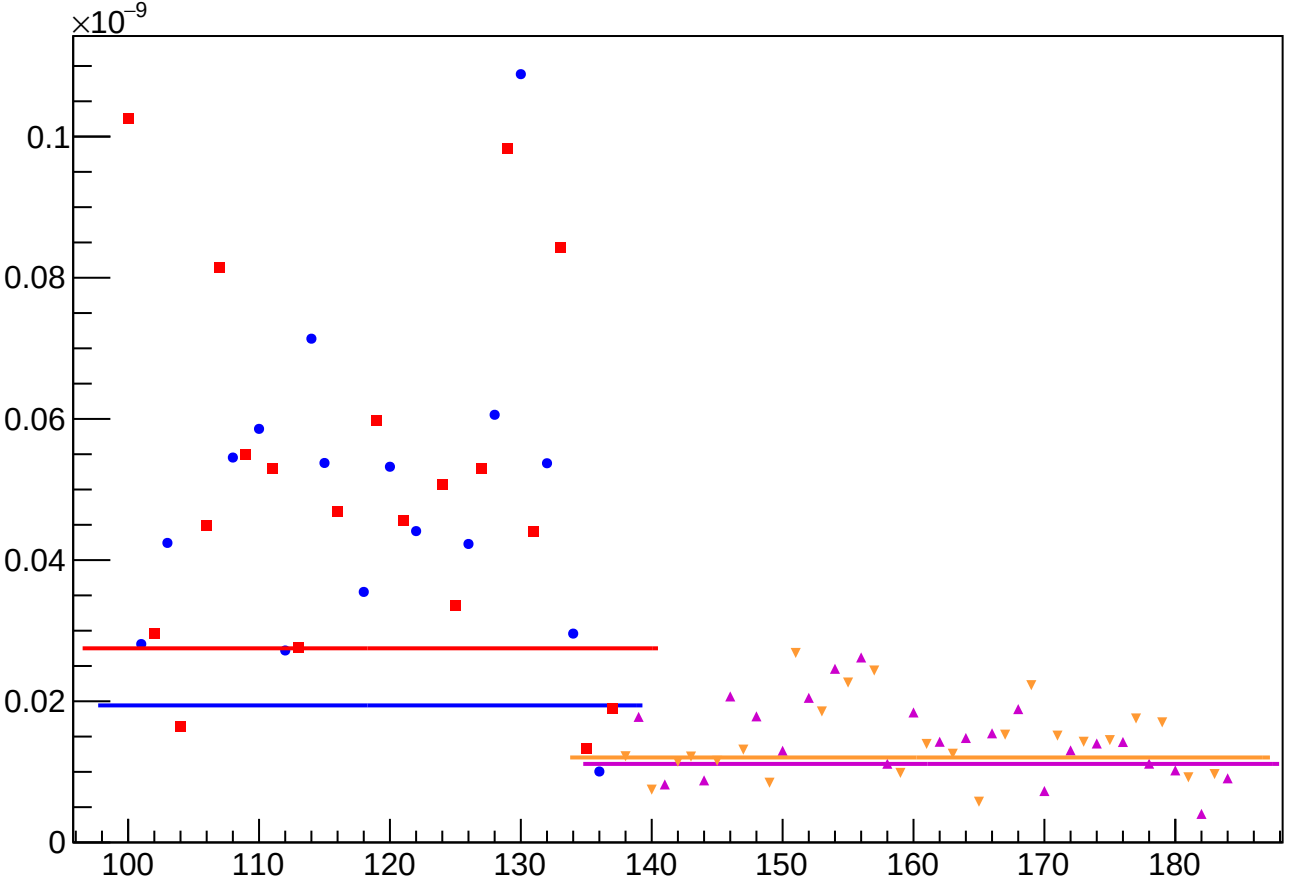
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/39

All: 0.000+/-0.000 χ^2/NDF: 95.2/81

- sign 0.000+/-0.000 χ^2/NDF: 47.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1519399.9/23

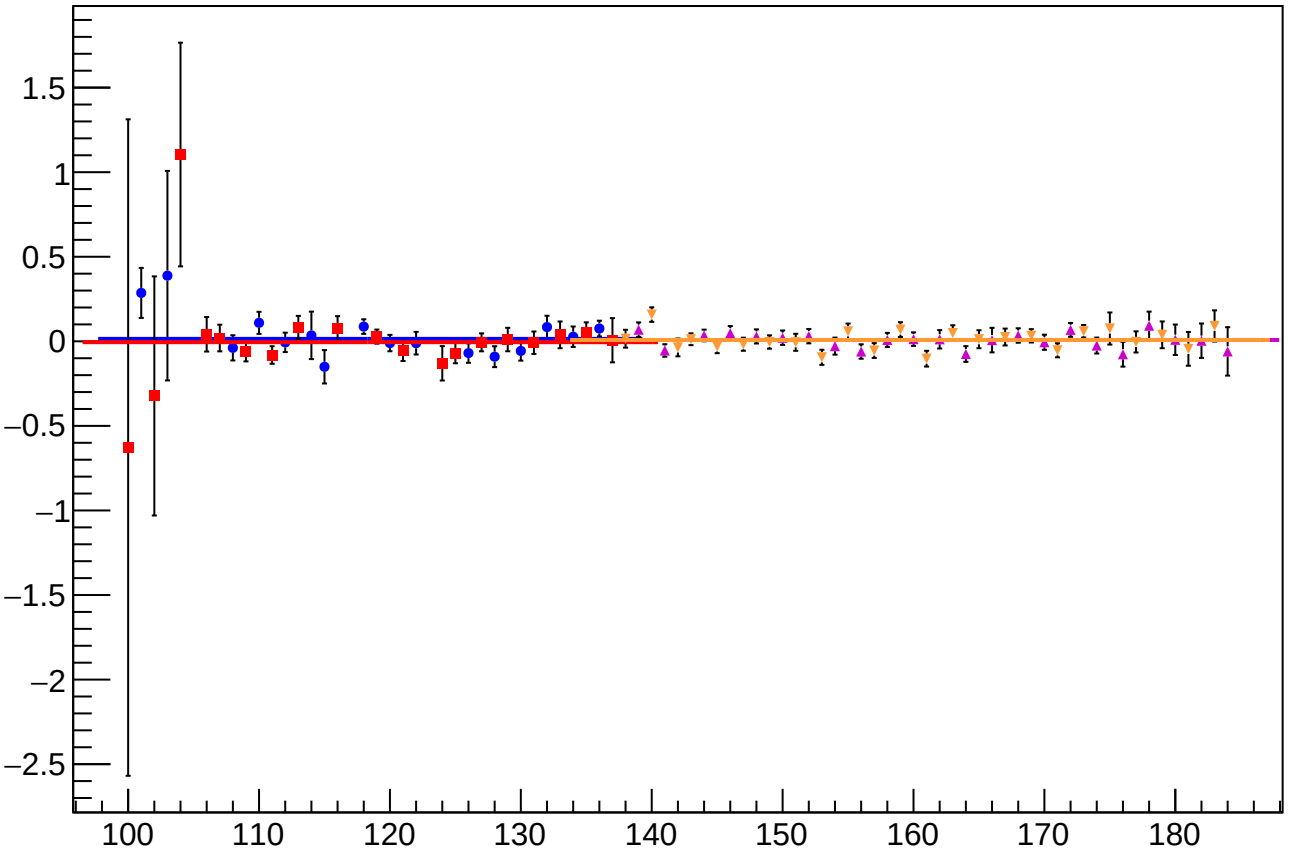
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4264007.4/39

All: 0.000+/-0.000 χ^2/NDF: 9526908.9/81

- sign 0.000+/-0.000 χ^2/NDF: 5239994.1/41



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

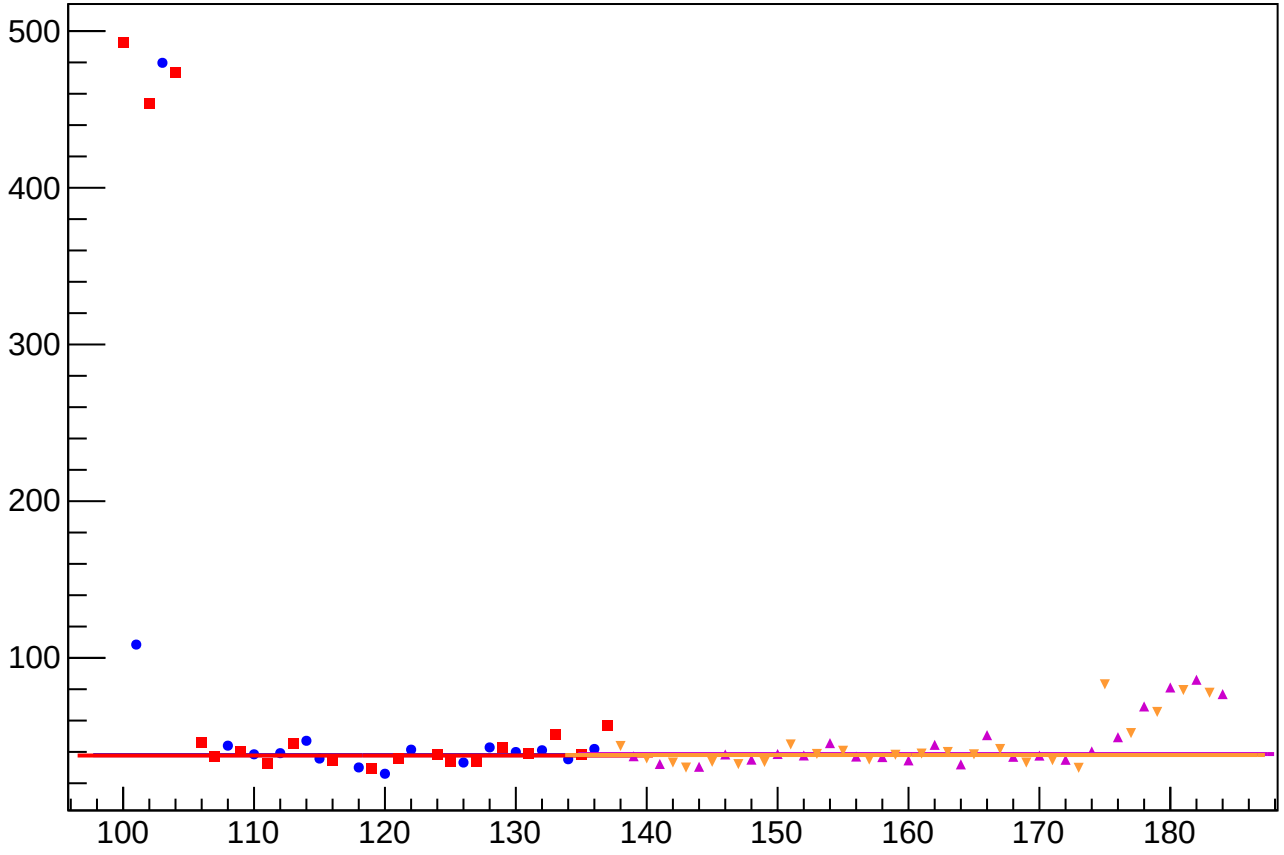
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 59.9/39

All: 0.007+/-0.006 χ^2/NDF: 94.3/81

- sign 0.004+/-0.008 χ^2/NDF: 34.2/41

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

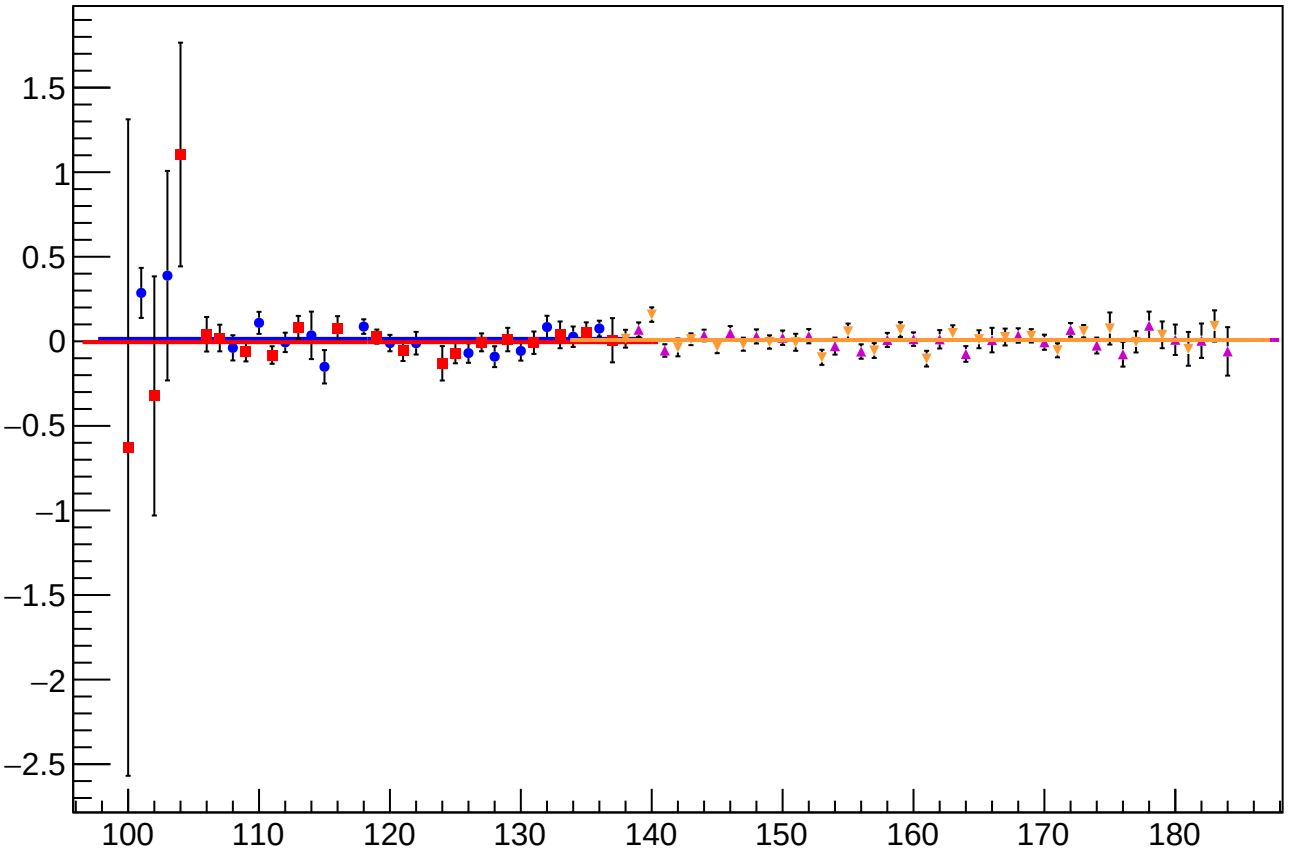
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 37.990+/-0.006 χ^2/NDF: 3700385.2/39

All: 38.177+/-0.004 χ^2/NDF: 7379927.6/81

- sign 38.372+/-0.006 χ^2/NDF: 3677450.3/41



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

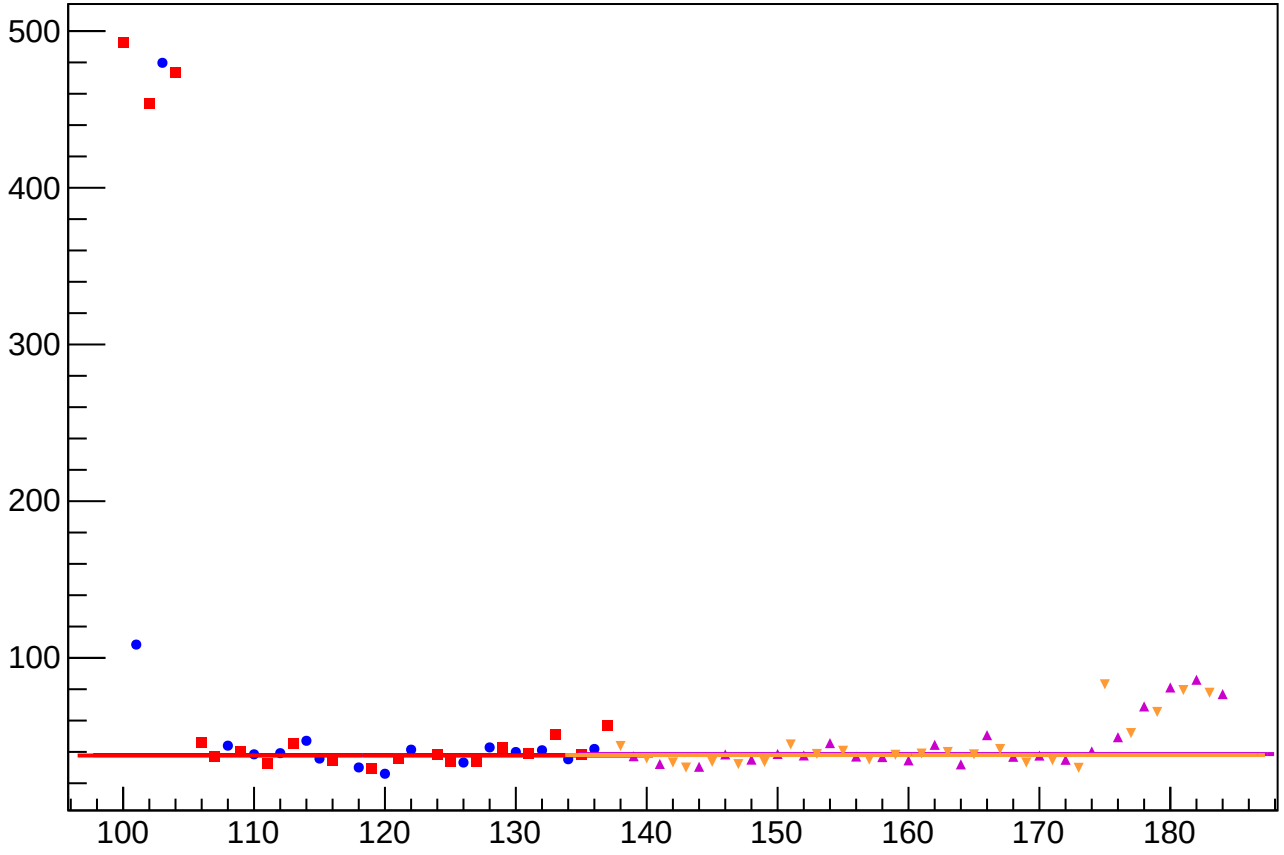
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 59.9/39

All: 0.007+/-0.006 χ^2/NDF: 94.3/81

- sign 0.004+/-0.008 χ^2/NDF: 34.2/41

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

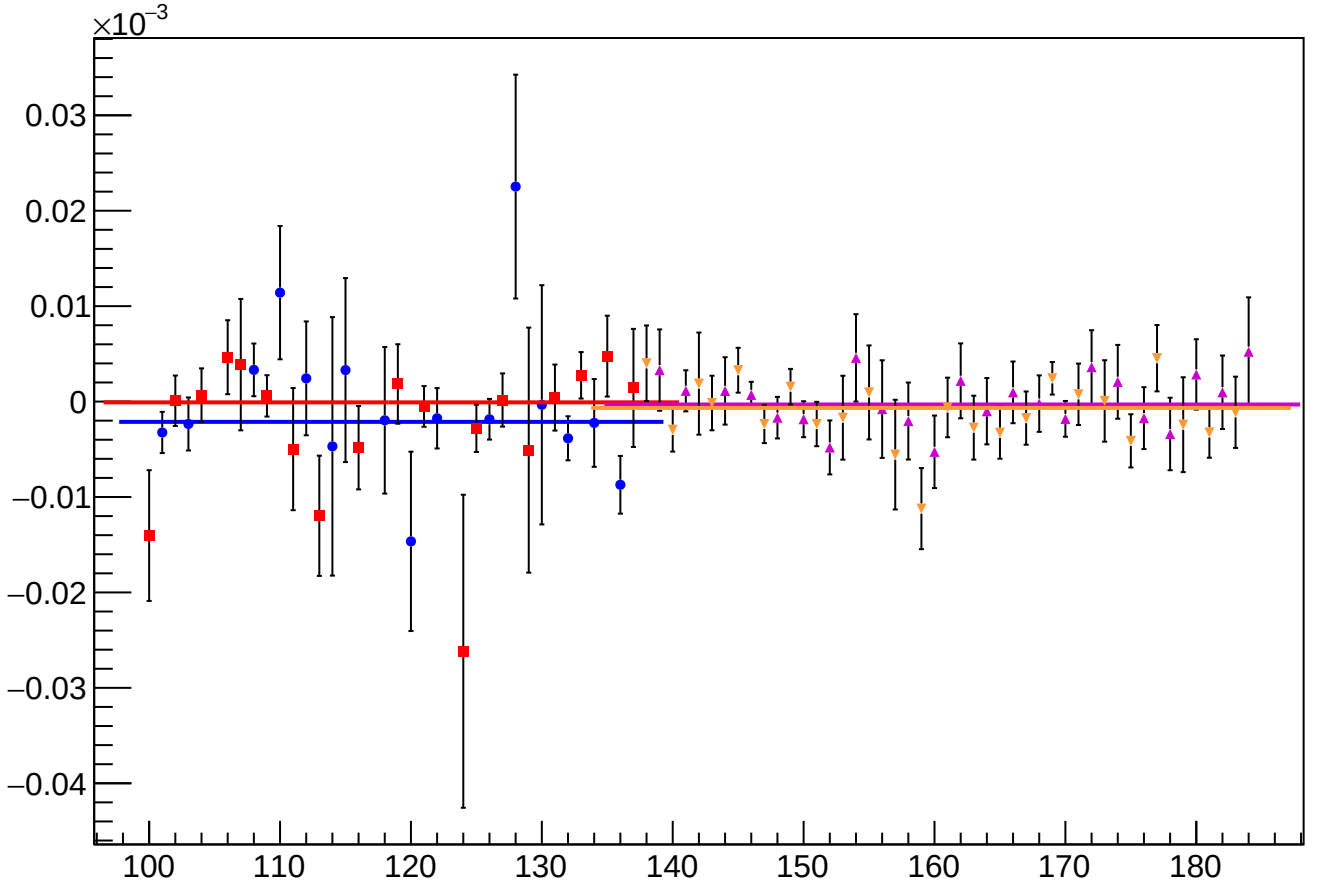
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 37.990+/-0.006 χ^2/NDF: 3700385.2/39

All: 38.177+/-0.004 χ^2/NDF: 7379927.6/81

- sign 38.372+/-0.006 χ^2/NDF: 3677450.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/23

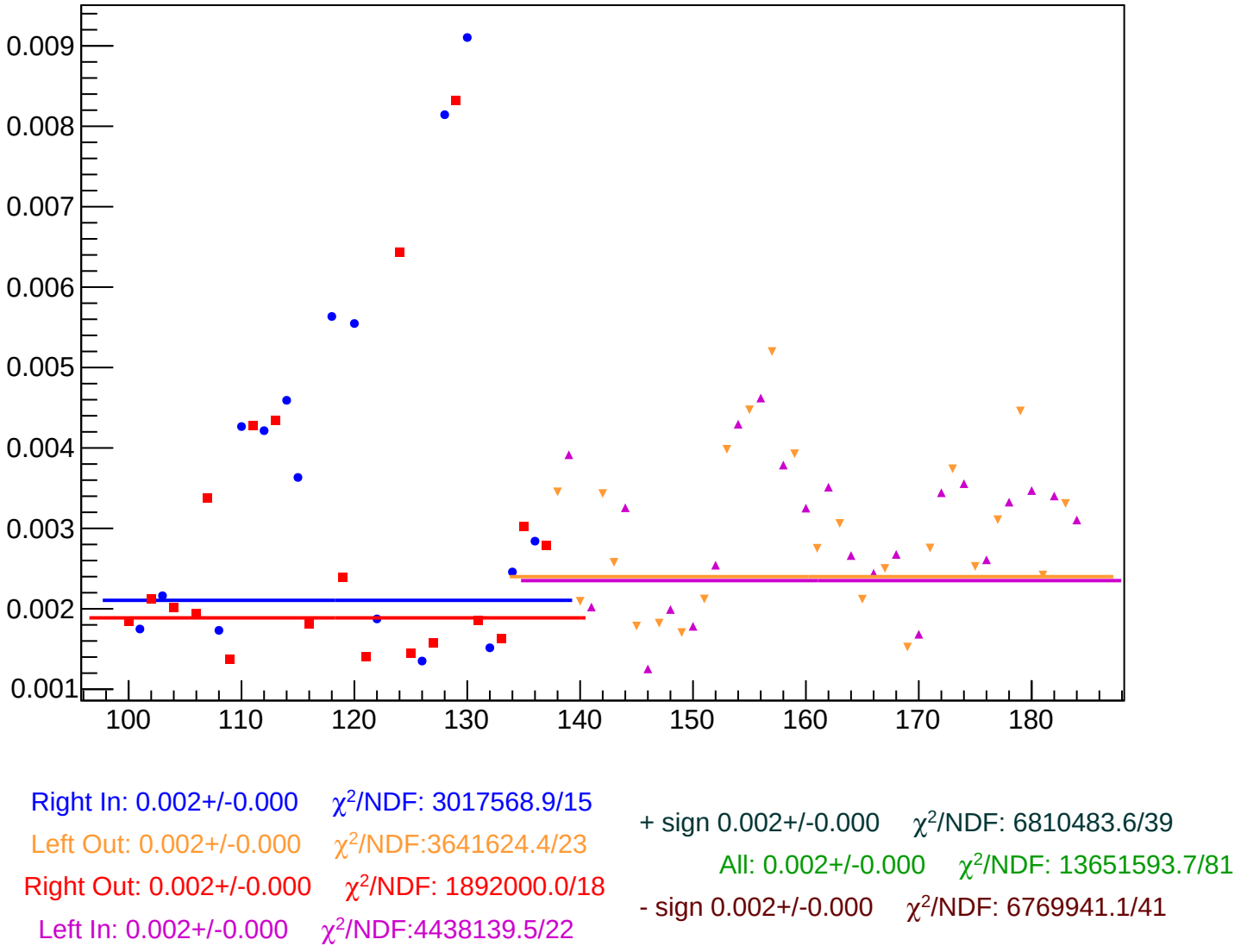
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

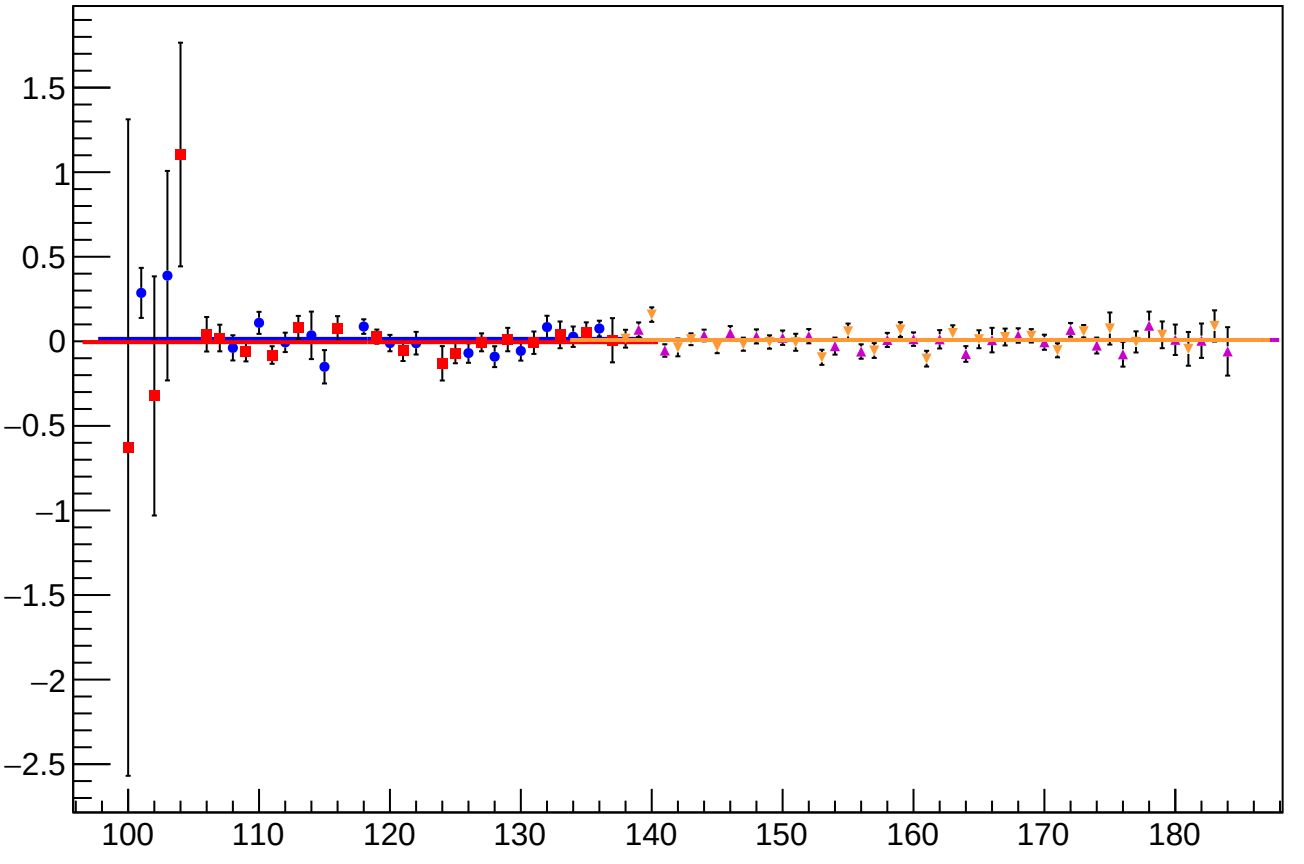
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/39

All: -0.000+/-0.000 χ^2/NDF: 81.2/81

- sign -0.000+/-0.000 χ^2/NDF: 32.2/41


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:4438139.5/22
+ sign 0.002+/-0.000 χ²/NDF: 6810483.6/39
All: 0.002+/-0.000 χ²/NDF: 13651593.7/81
- sign 0.002+/-0.000 χ²/NDF: 6769941.1/41



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

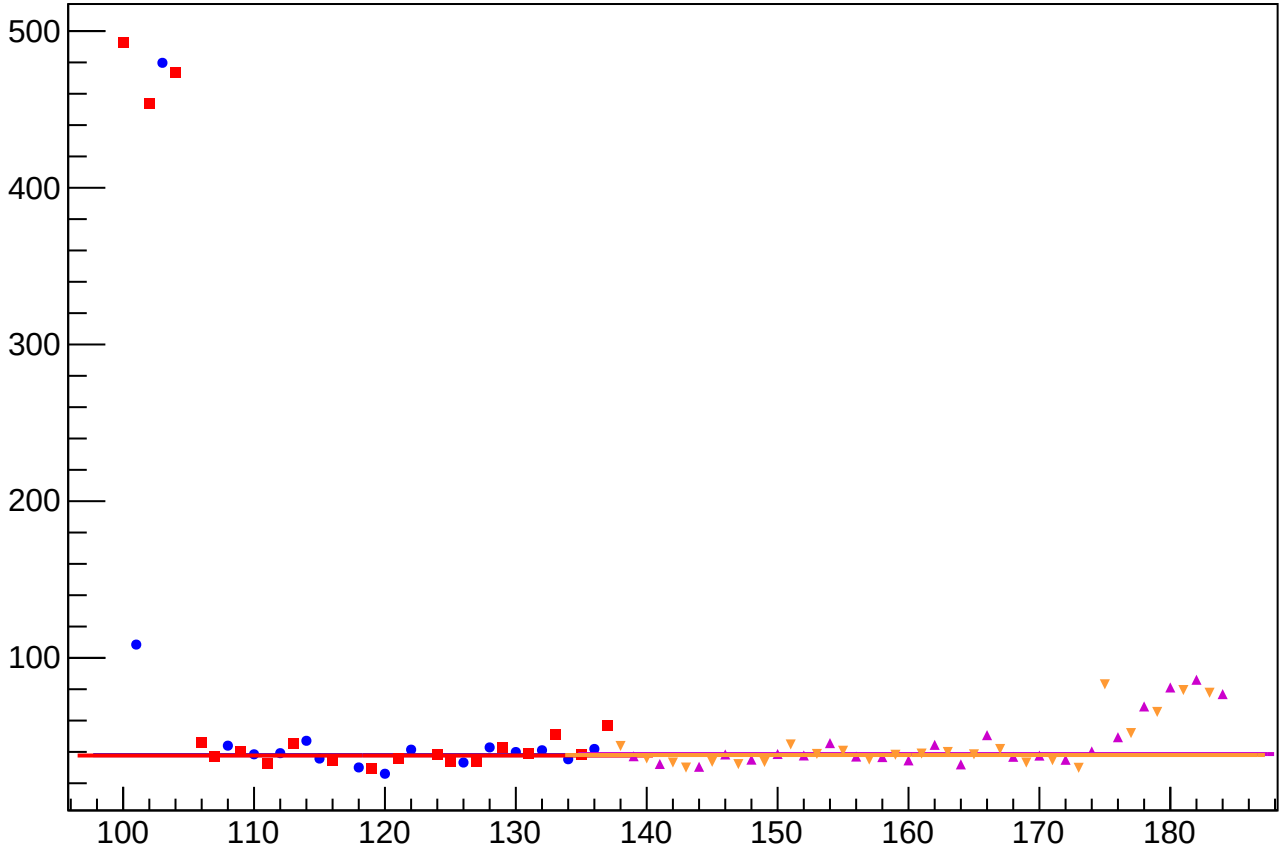
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 59.9/39

All: 0.007+/-0.006 χ^2/NDF: 94.3/81

- sign 0.004+/-0.008 χ^2/NDF: 34.2/41

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.008+/-0.007 χ^2/NDF:1960692.4/23

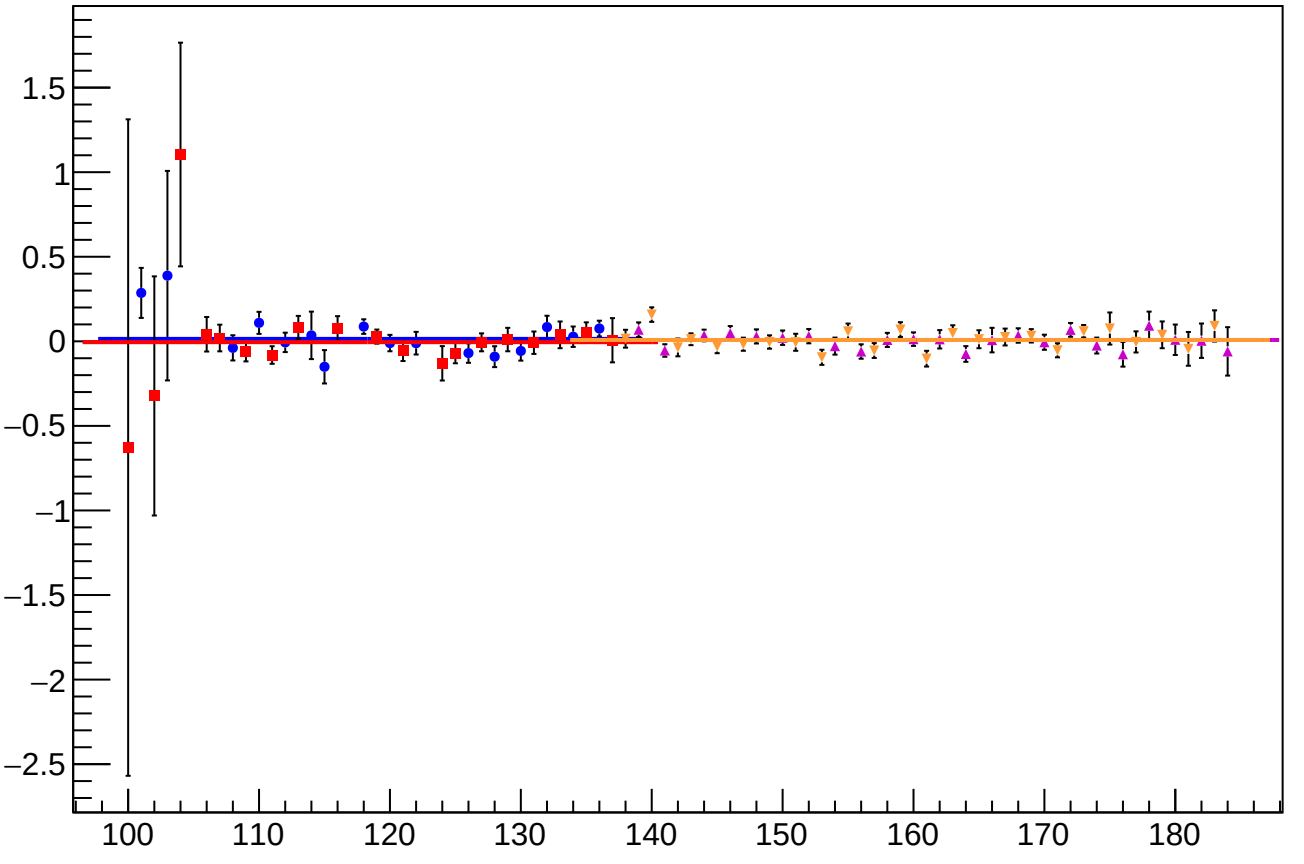
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 37.990+/-0.006 χ^2/NDF: 3700398.7/39

All: 38.176+/-0.004 χ^2/NDF: 7380058.7/81

- sign 38.371+/-0.006 χ^2/NDF: 3677571.6/41



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.008+/-0.010 χ^2/NDF:37.7/23

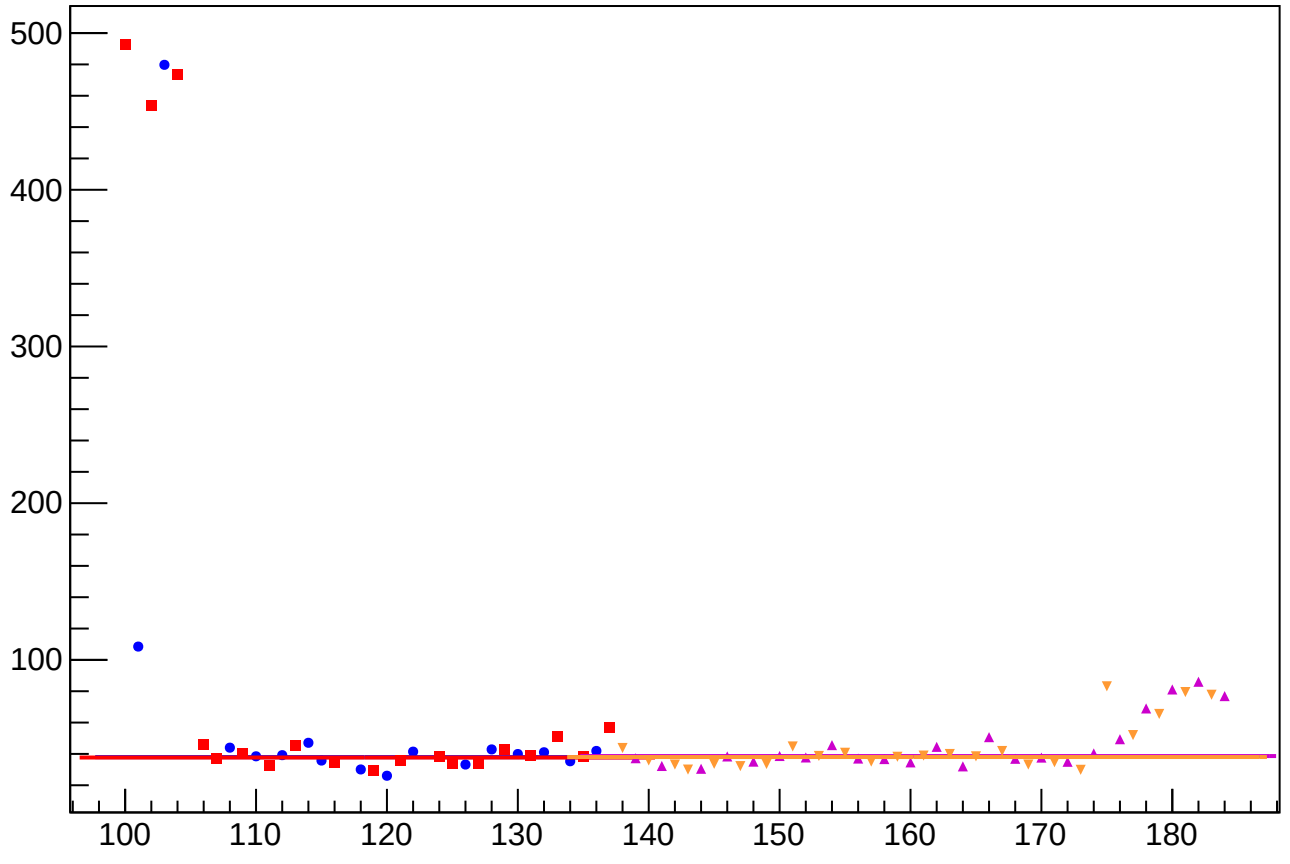
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 59.9/39

All: 0.007+/-0.006 χ^2/NDF: 94.3/81

- sign 0.004+/-0.008 χ^2/NDF: 34.2/41



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

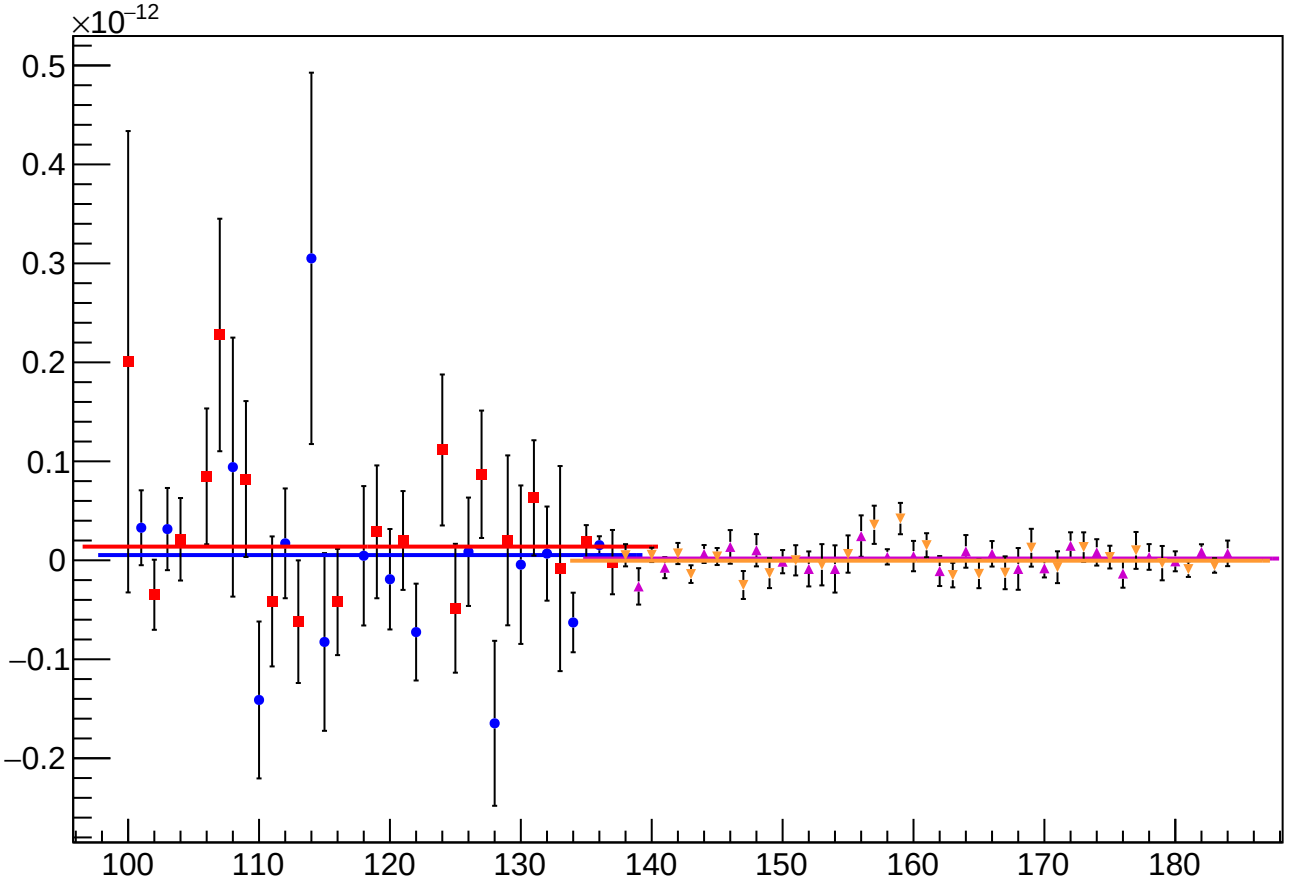
Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 37.990+/-0.006 χ^2/NDF: 3700398.7/39

All: 38.176+/-0.004 χ^2/NDF: 7380058.7/81

- sign 38.371+/-0.006 χ^2/NDF: 3677571.6/41

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/23

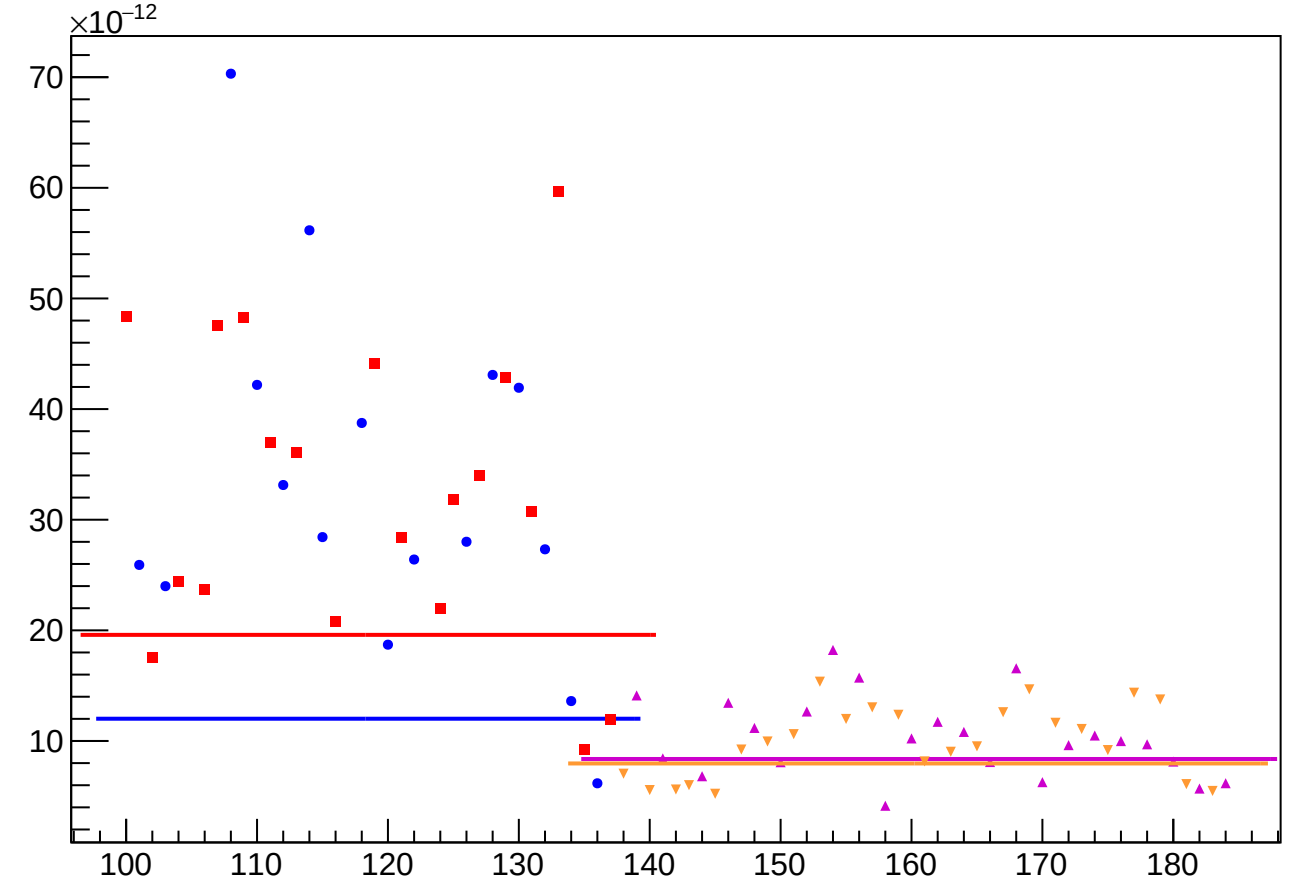
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/39

All: 0.000+/-0.000 χ^2/NDF: 78.0/81

- sign 0.000+/-0.000 χ^2/NDF: 28.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2829583.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

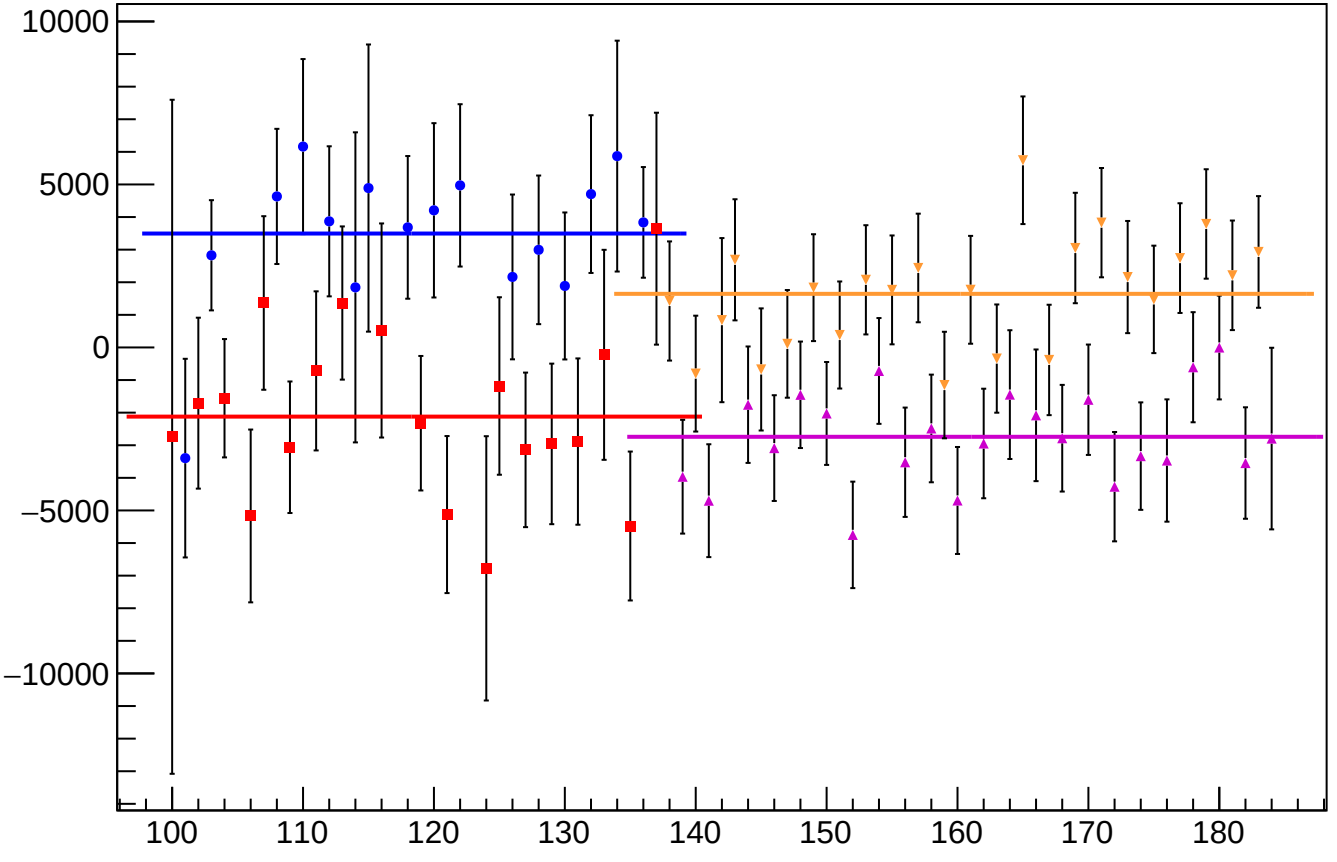
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7217457.2/39

All: 0.000+/-0.000 χ^2/NDF: 14827642.5/81

- sign 0.000+/-0.000 χ^2/NDF: 7535572.4/41

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

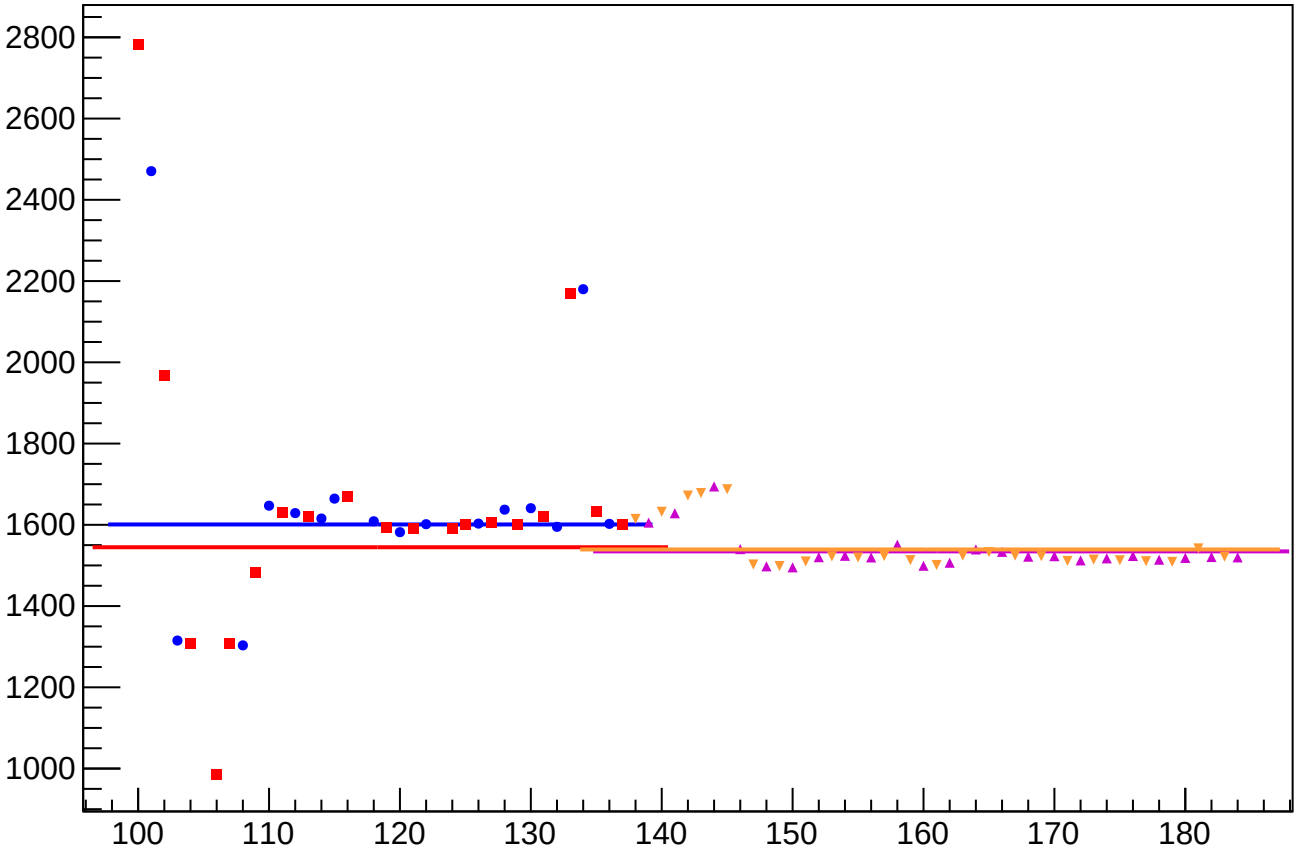
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2117.191+/-303.918 χ^2/NDF: 36.9/39

All: -211.784+/-215.640 χ^2/NDF: 187.5/81

- sign -2572.993+/-306.014 χ^2/NDF: 32.3/41

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

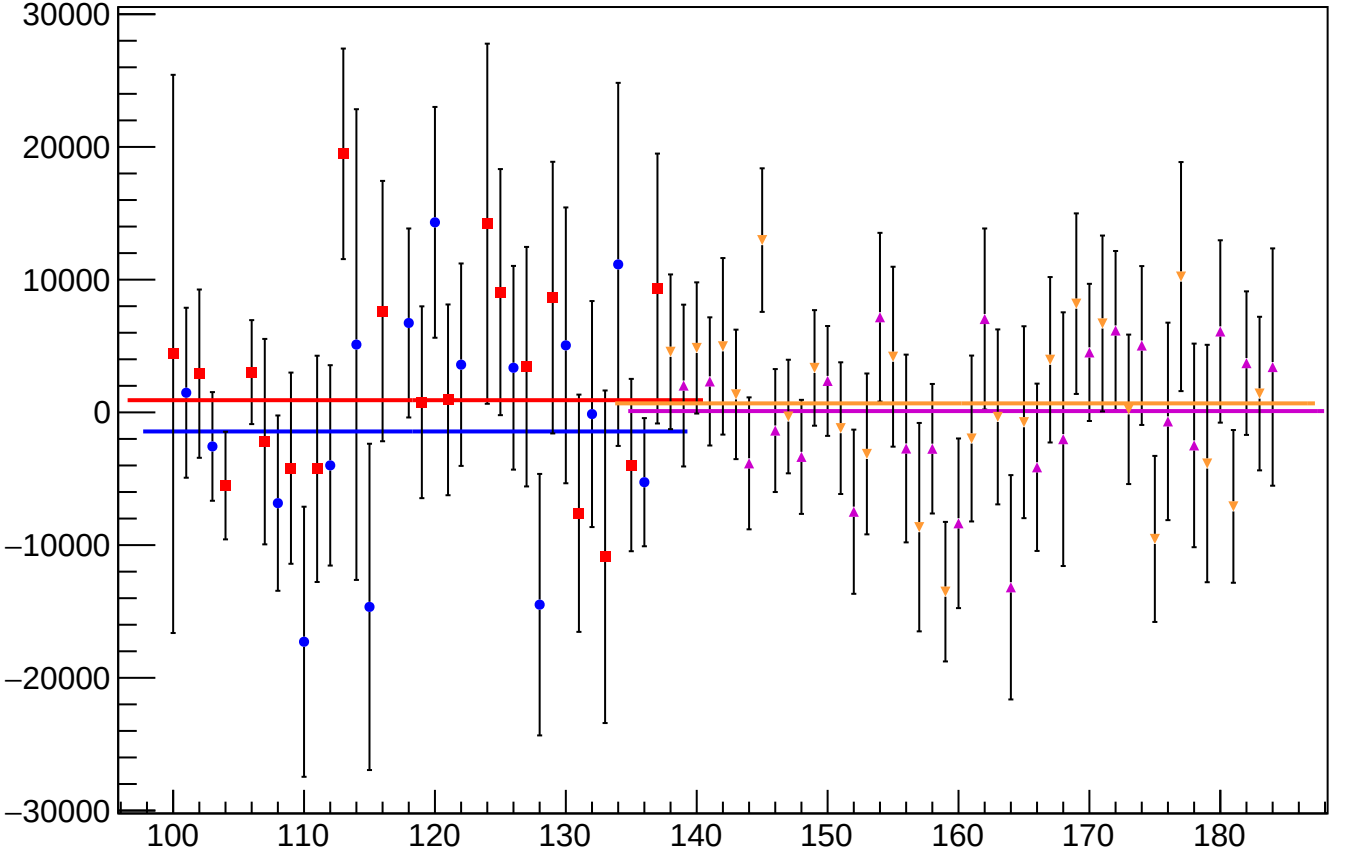
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1555.058+/-0.215 χ^2/NDF: 379769.8/39

All: 1546.273+/-0.152 χ^2/NDF: 790817.4/81

- sign 1537.448+/-0.215 χ^2/NDF: 407697.5/41

asym_usr_atr2_avg_reg_correction_mean vs Slug



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

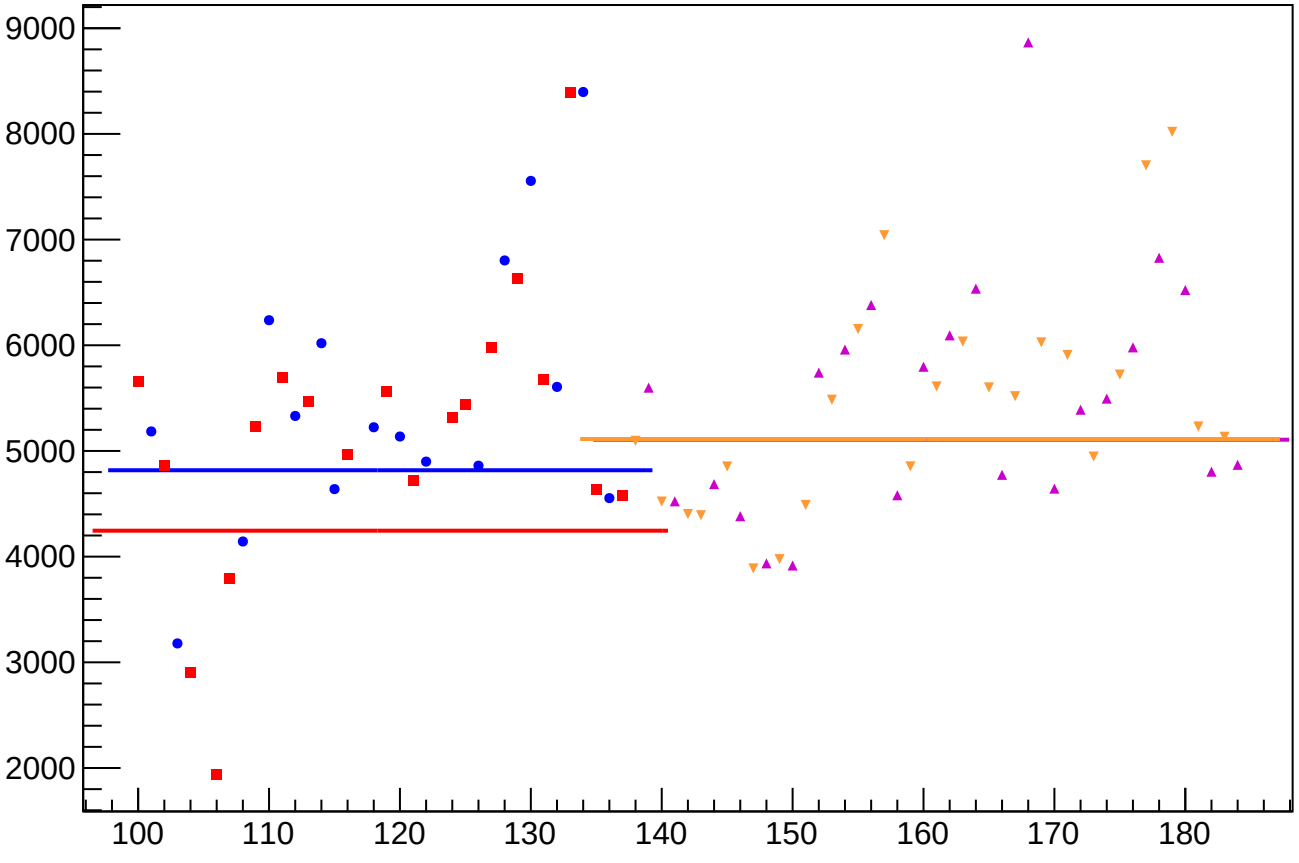
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 54.776+/-1003.883 χ^2/NDF: 40.0/39

All: 222.156+/-702.610 χ^2/NDF: 70.5/81

\- sign 382.874+/-983.705 χ^2/NDF: 30.4/41

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

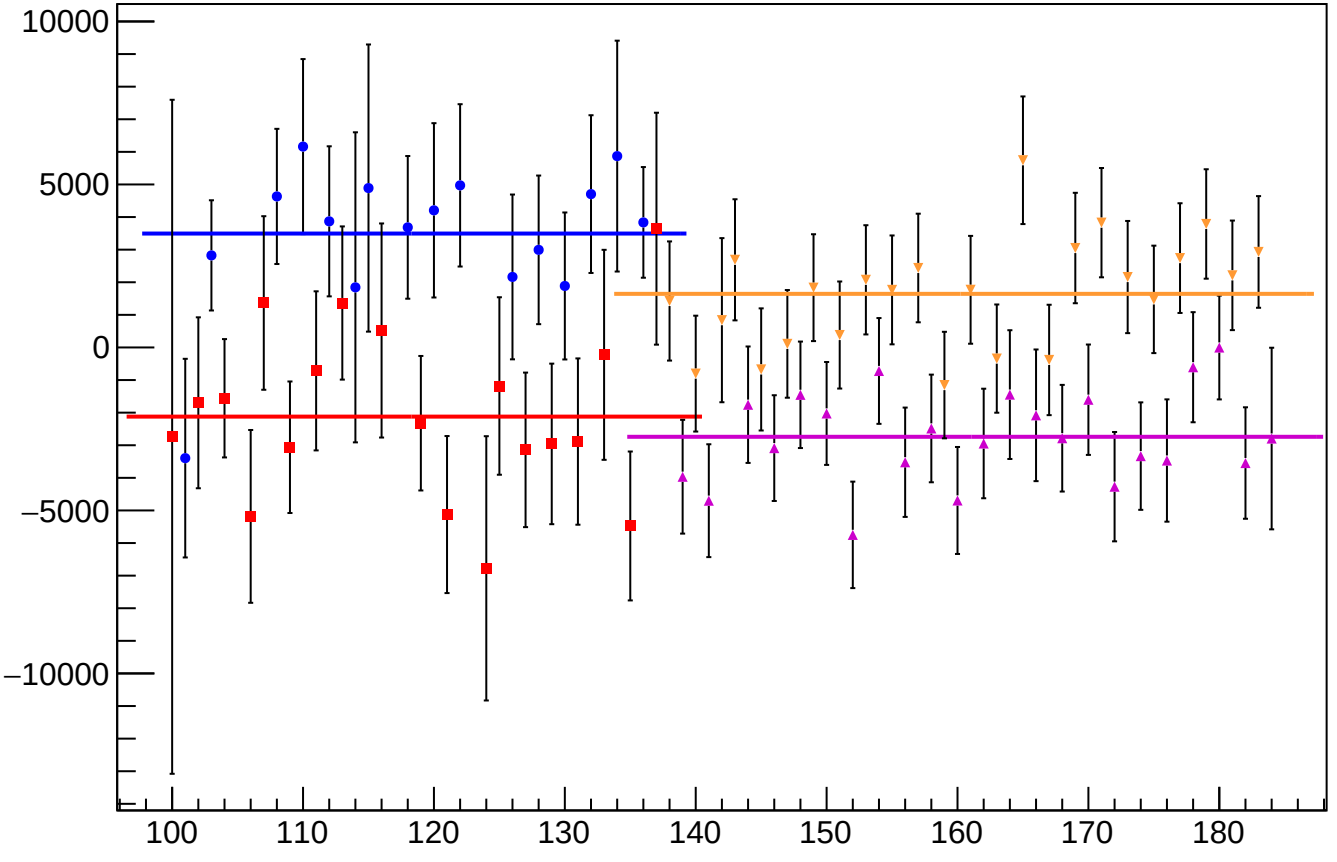
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5025.565+/-0.710 χ^2/NDF: 1990439.0/39

All: 4914.285+/-0.497 χ^2/NDF: 5320577.9/81

- sign 4807.434+/-0.696 χ^2/NDF: 3281966.7/41

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

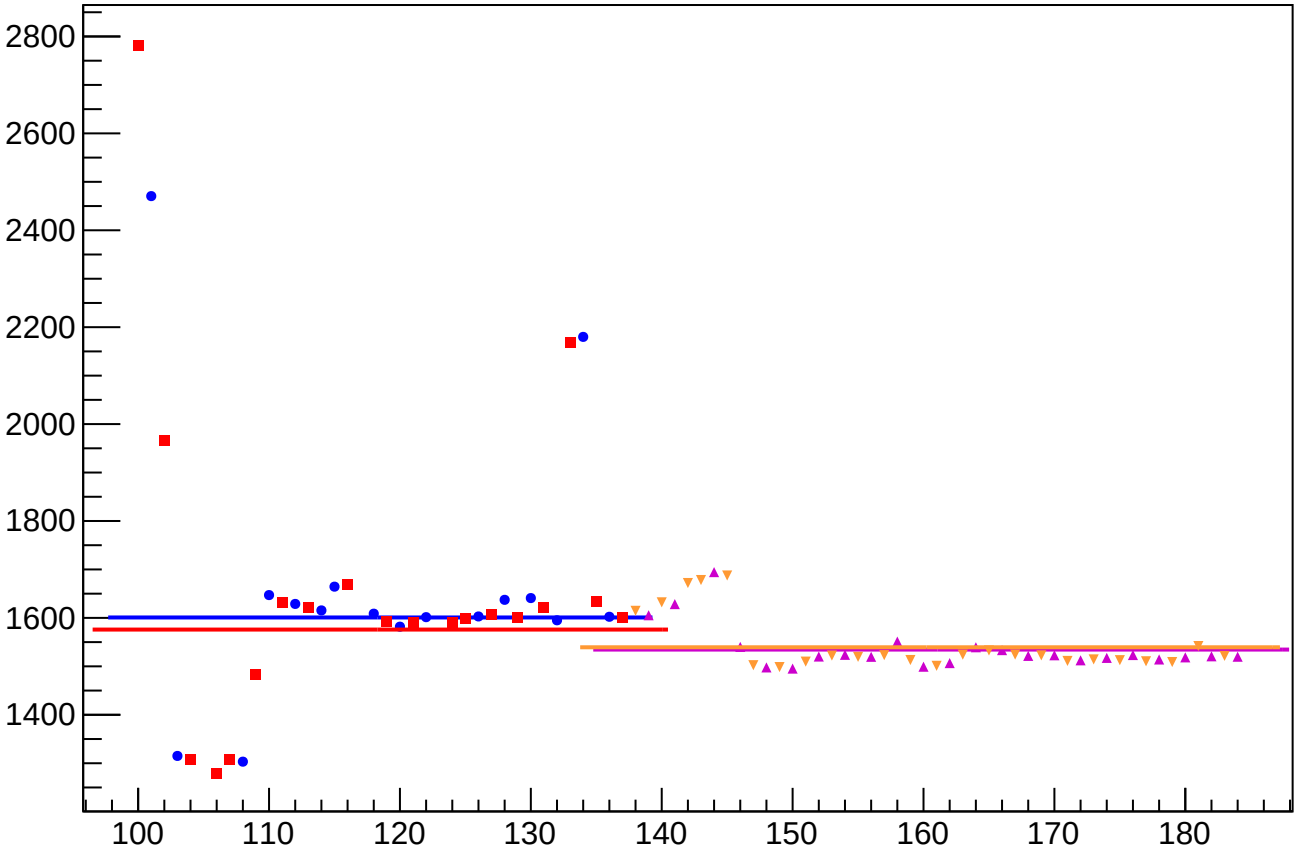
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2117.031+/-303.918 χ^2/NDF: 36.9/39

All: -211.825+/-215.640 χ^2/NDF: 187.5/81

- sign -2572.920+/-306.015 χ^2/NDF: 32.3/41

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

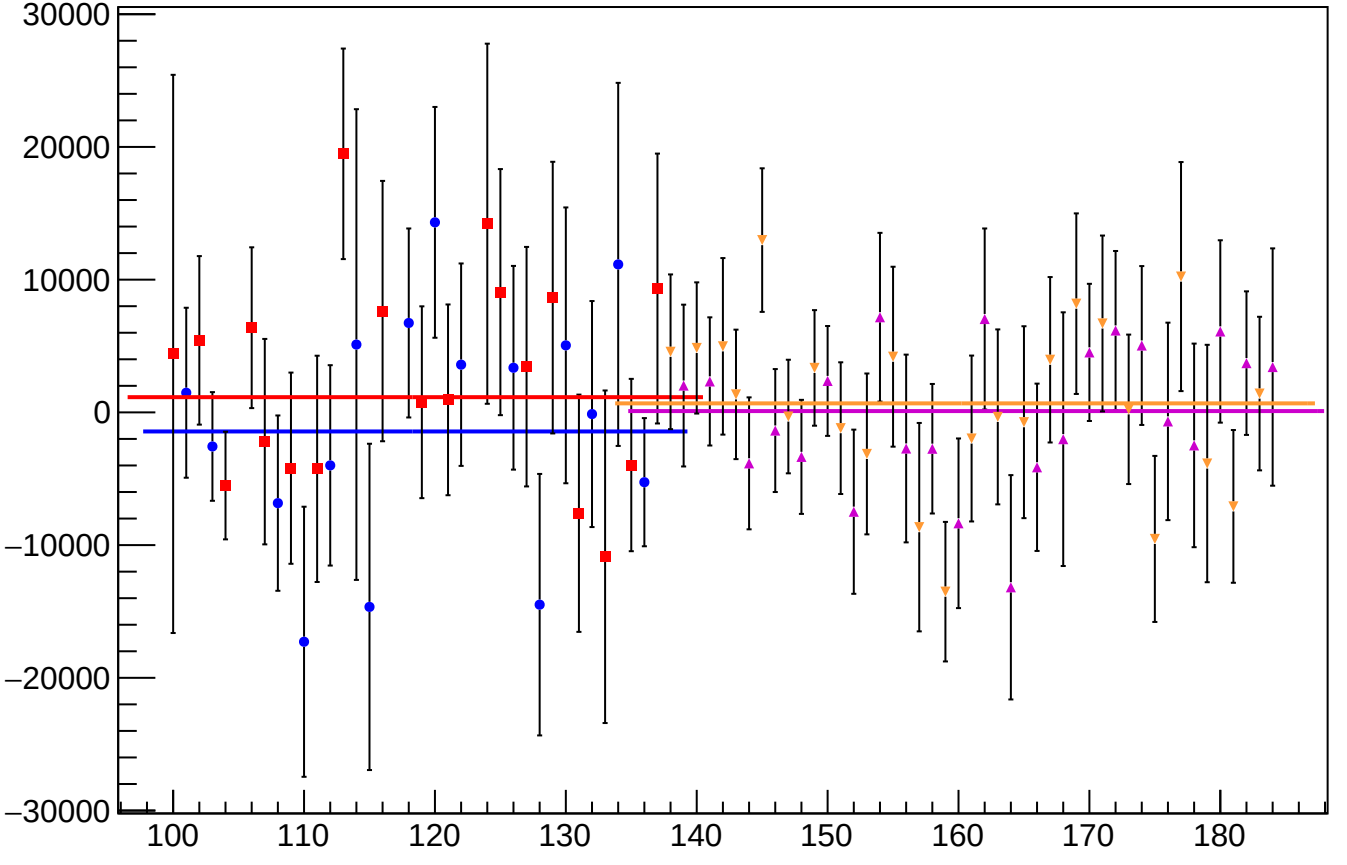
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1555.058+/-0.215 χ^2/NDF: 379769.1/39

All: 1550.494+/-0.152 χ^2/NDF: 662365.9/81

- sign 1545.876+/-0.216 χ^2/NDF: 281689.2/41

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

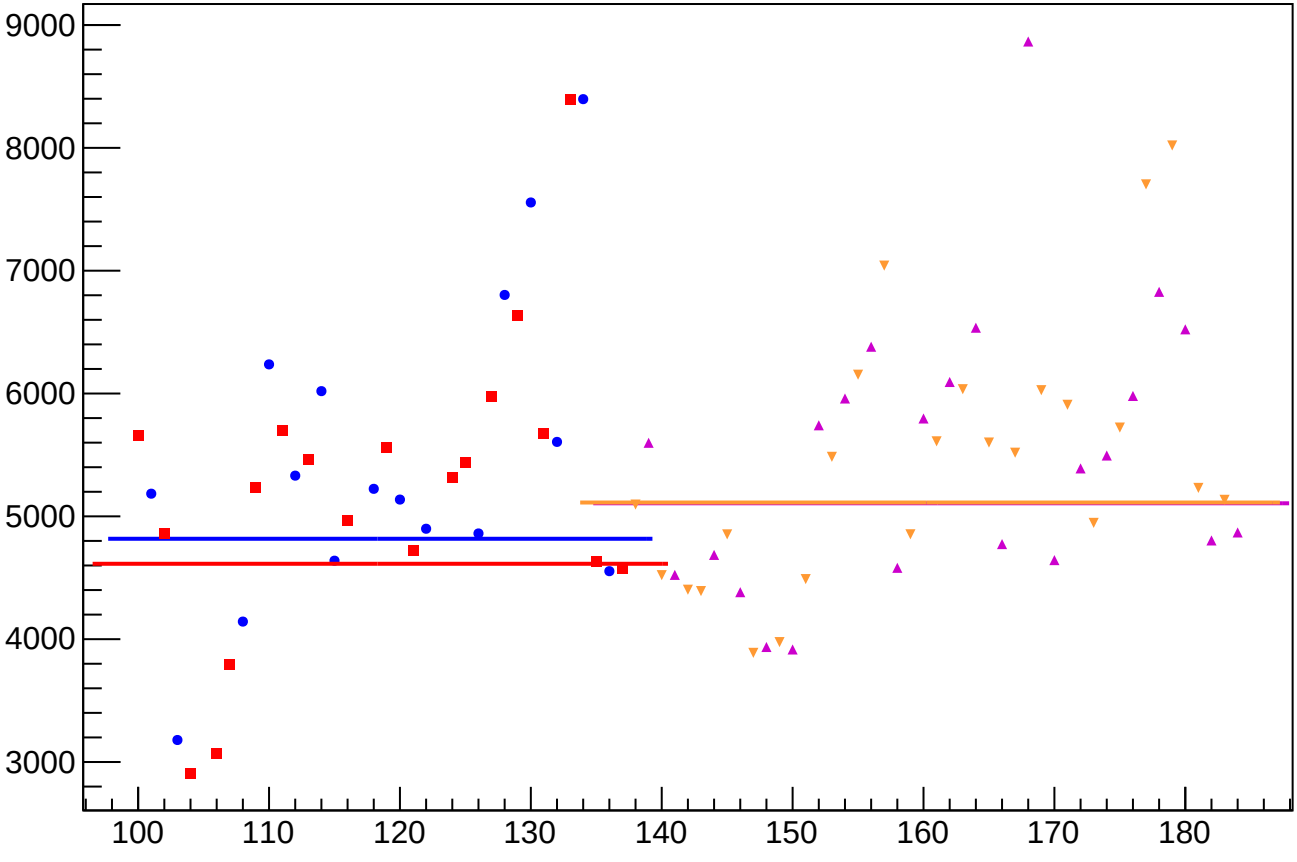
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 54.724+/-1003.888 χ^2/NDF: 40.0/39

All: 245.577+/-709.298 χ^2/NDF: 71.5/81

\- sign 435.831+/-1002.310 χ^2/NDF: 31.4/41

asym_usr_atr2_avg_cor_correction_rms vs Slug



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

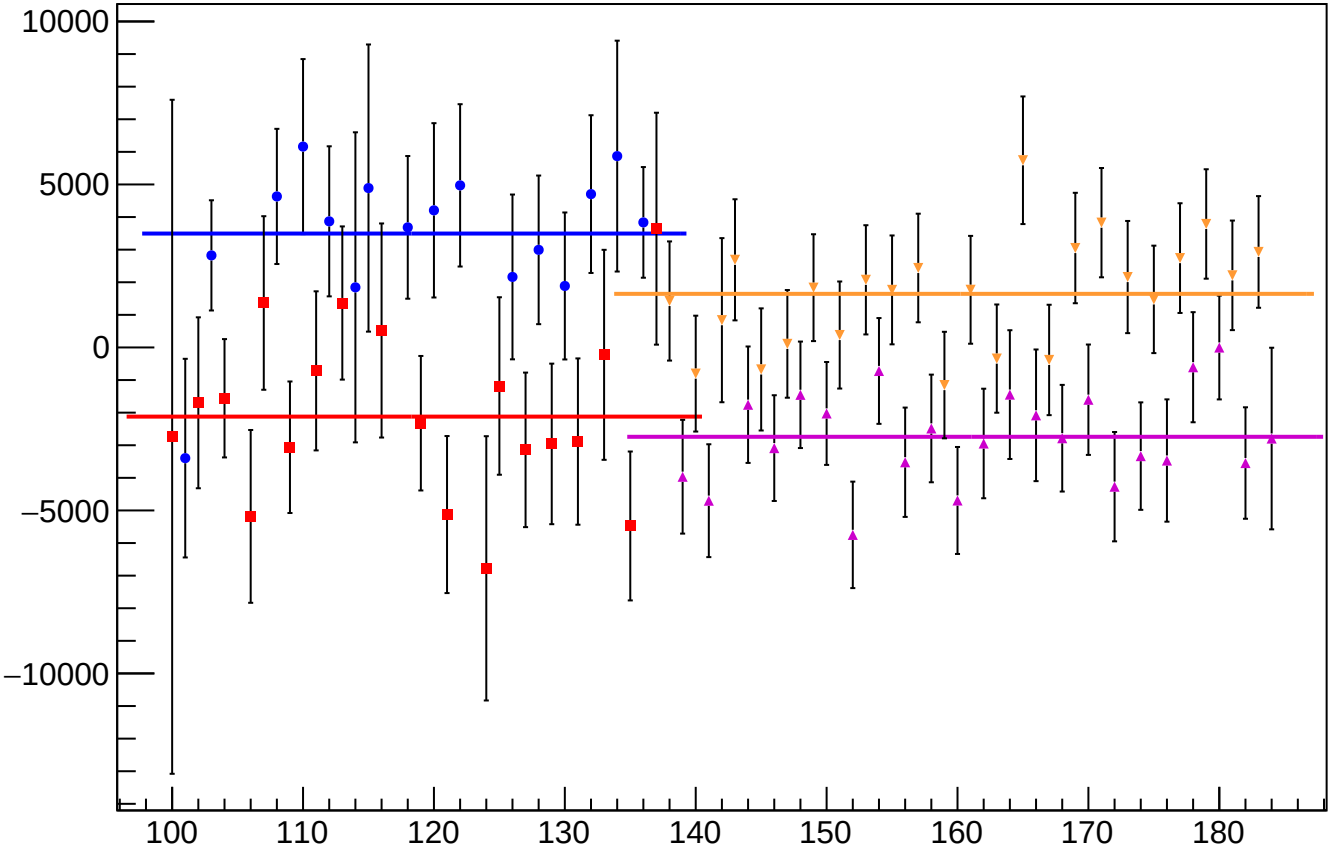
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5025.602+/-0.710 χ^2/NDF: 1990218.0/39

All: 4986.548+/-0.502 χ^2/NDF: 4331337.6/81

- sign 4947.616+/-0.709 χ^2/NDF: 2335075.4/41

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

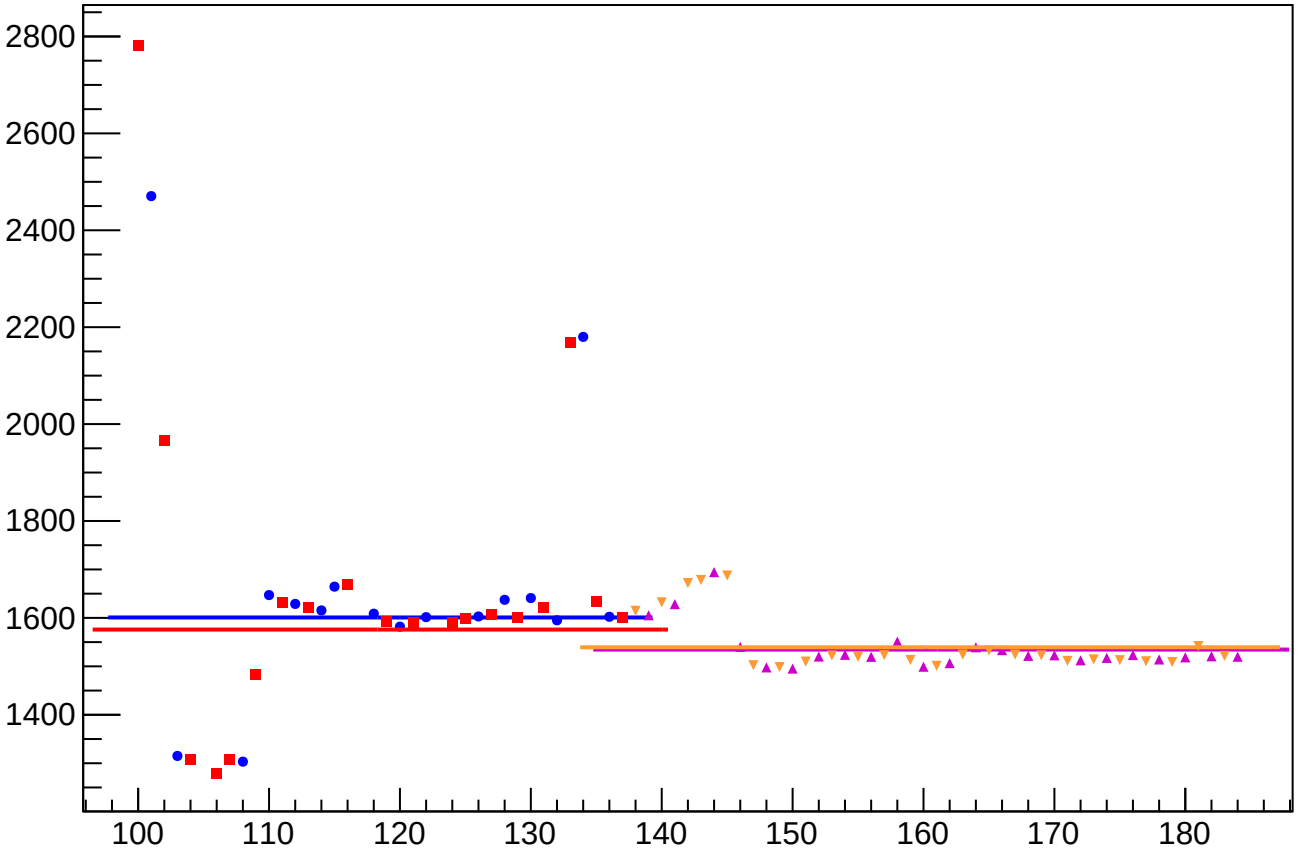
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2117.031+/-303.918 χ^2/NDF: 36.9/39

All: -211.825+/-215.640 χ^2/NDF: 187.5/81

- sign -2572.920+/-306.015 χ^2/NDF: 32.3/41

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

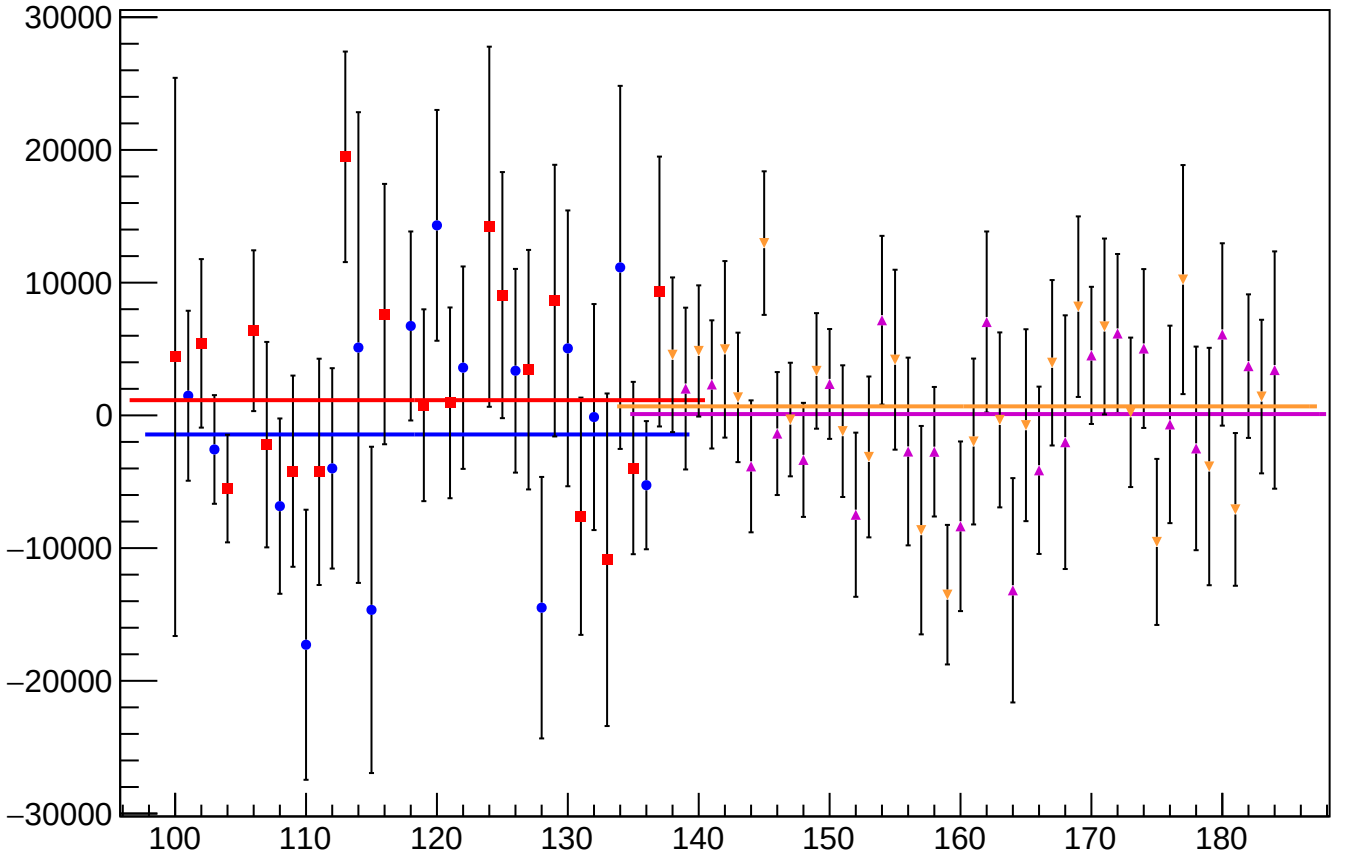
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1555.058+/-0.215 χ^2/NDF: 379769.1/39

All: 1550.494+/-0.152 χ^2/NDF: 662365.9/81

- sign 1545.876+/-0.216 χ^2/NDF: 281689.2/41



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

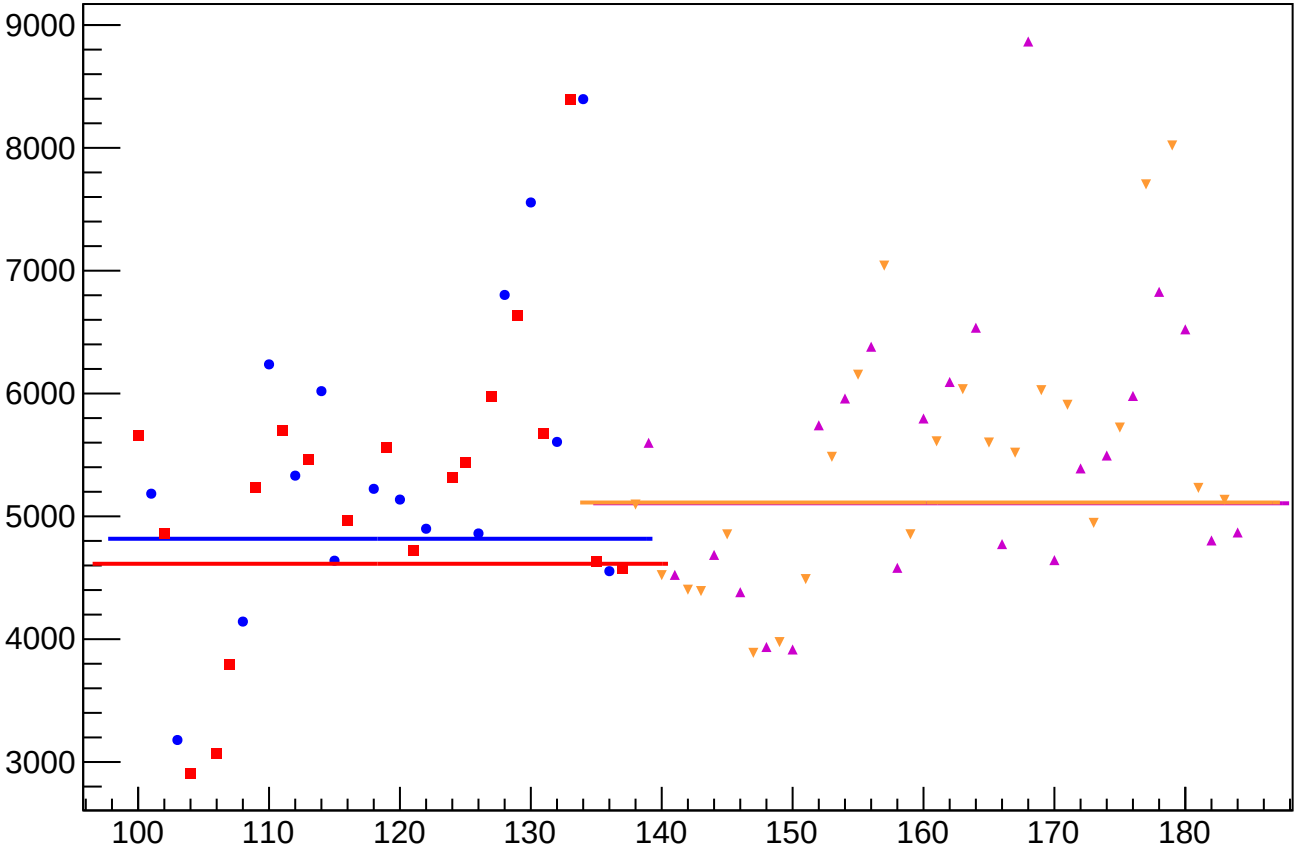
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 54.724+/-1003.888 χ^2/NDF: 40.0/39

All: 245.577+/-709.298 χ^2/NDF: 71.5/81

- sign 435.831+/-1002.310 χ^2/NDF: 31.4/41

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5112.687+/-0.845 χ^2/NDF:1159016.4/23

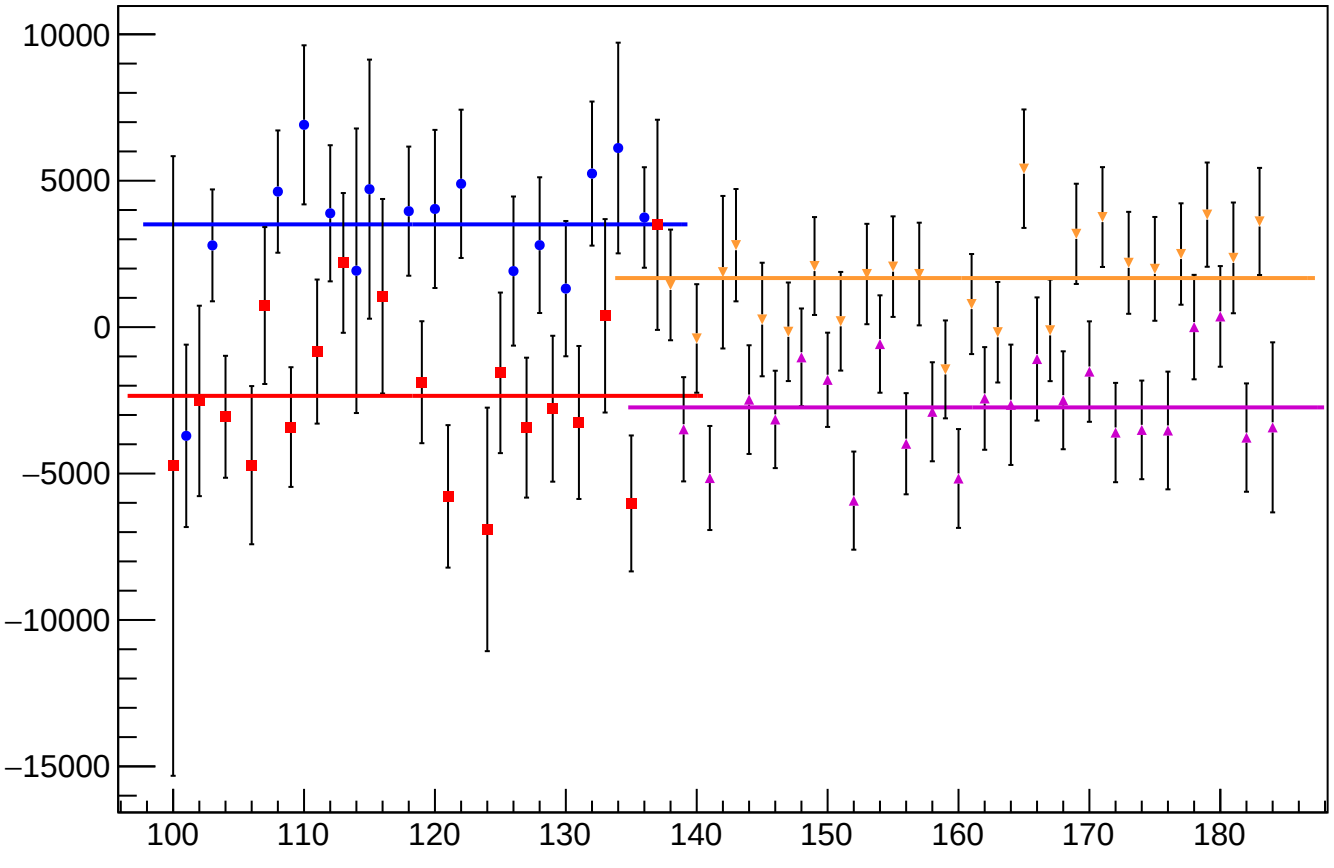
Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5025.602+/-0.710 χ^2/NDF: 1990218.0/39

All: 4986.548+/-0.502 χ^2/NDF: 4331337.6/81

- sign 4947.616+/-0.709 χ^2/NDF: 2335075.4/41



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

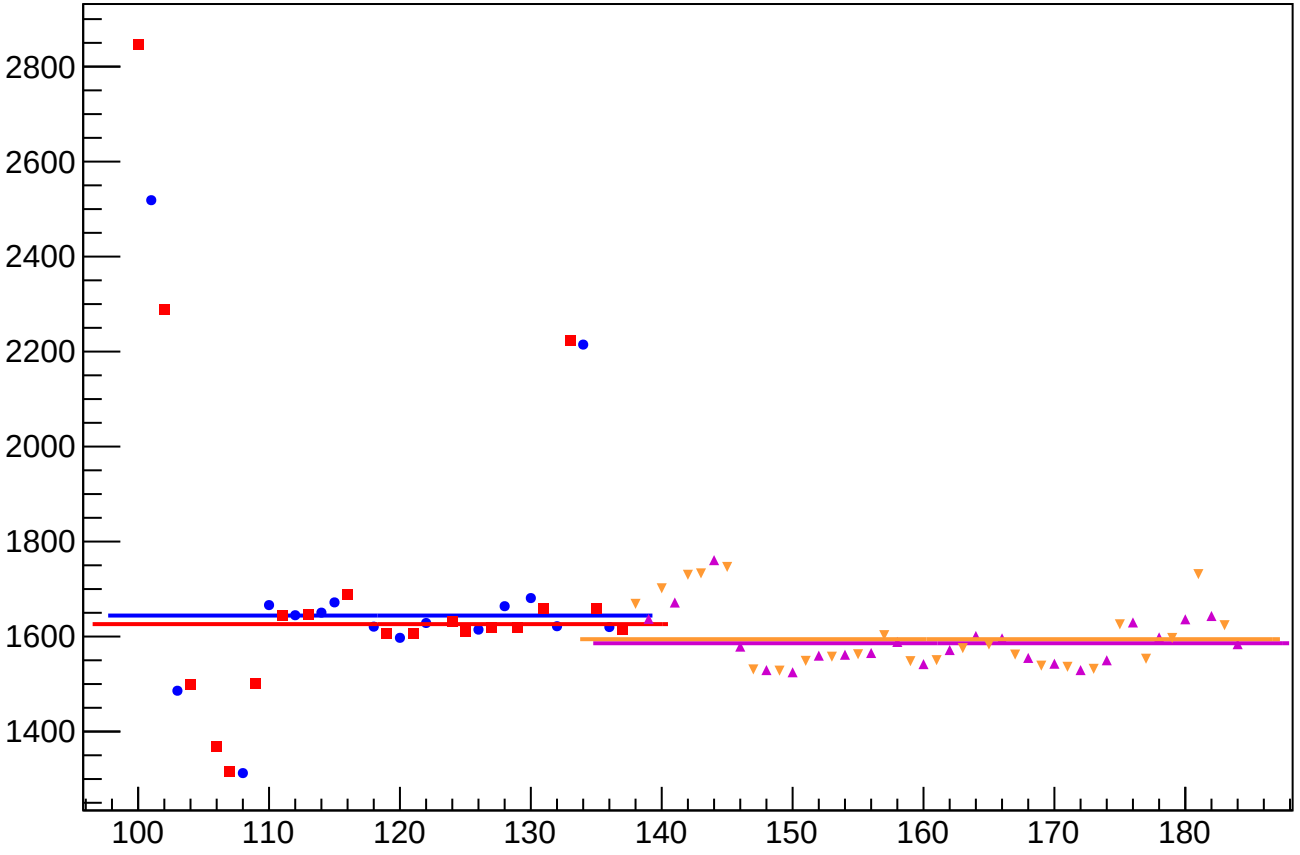
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2151.623+/-314.164 χ^2/NDF: 35.9/39

All: -224.303+/-222.927 χ^2/NDF: 187.7/81

- sign -2633.858+/-316.380 χ^2/NDF: 36.6/41

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

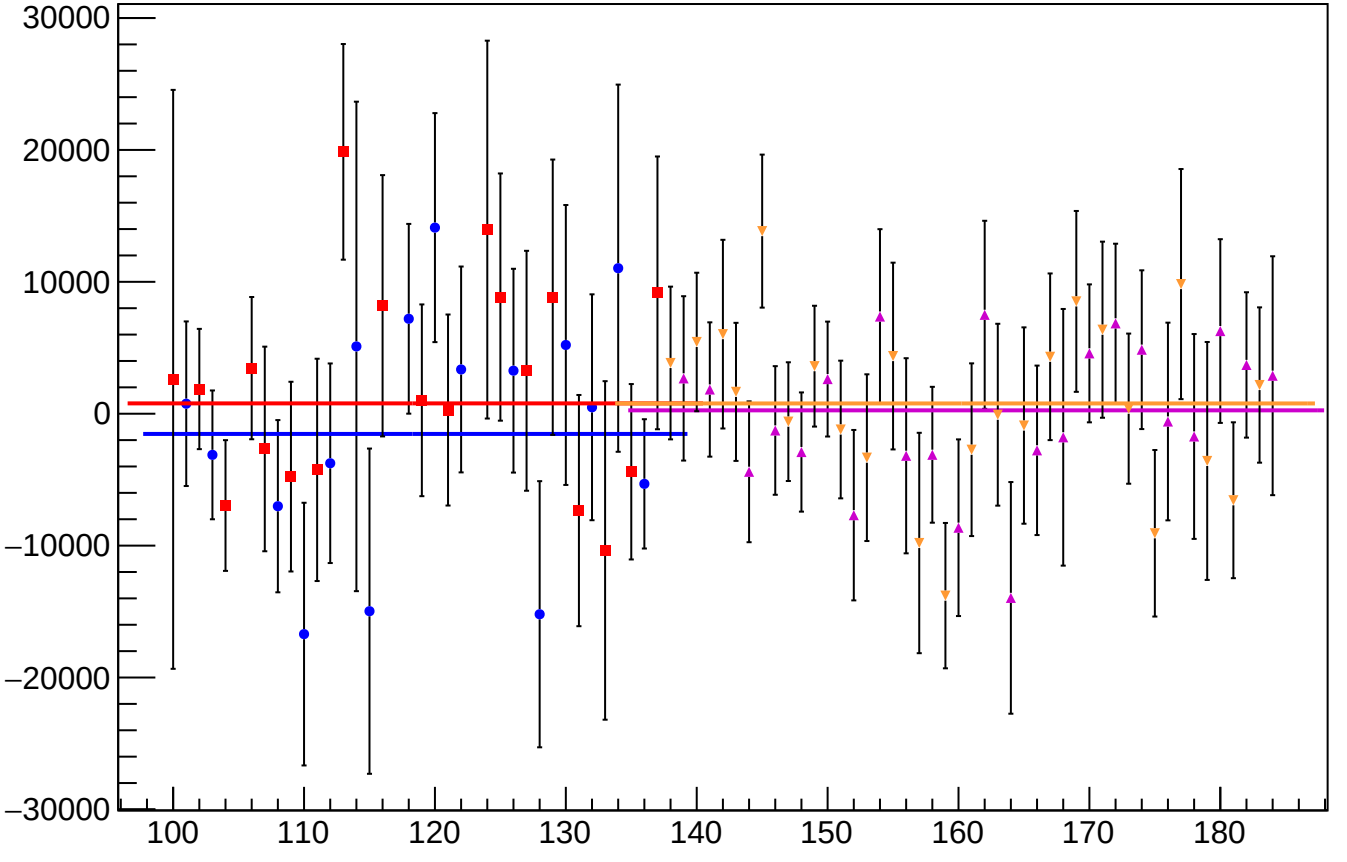
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1607.356+/-0.222 χ^2/NDF: 355192.1/39

All: 1602.139+/-0.158 χ^2/NDF: 642265.6/81

- sign 1596.850+/-0.224 χ^2/NDF: 285962.9/41

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

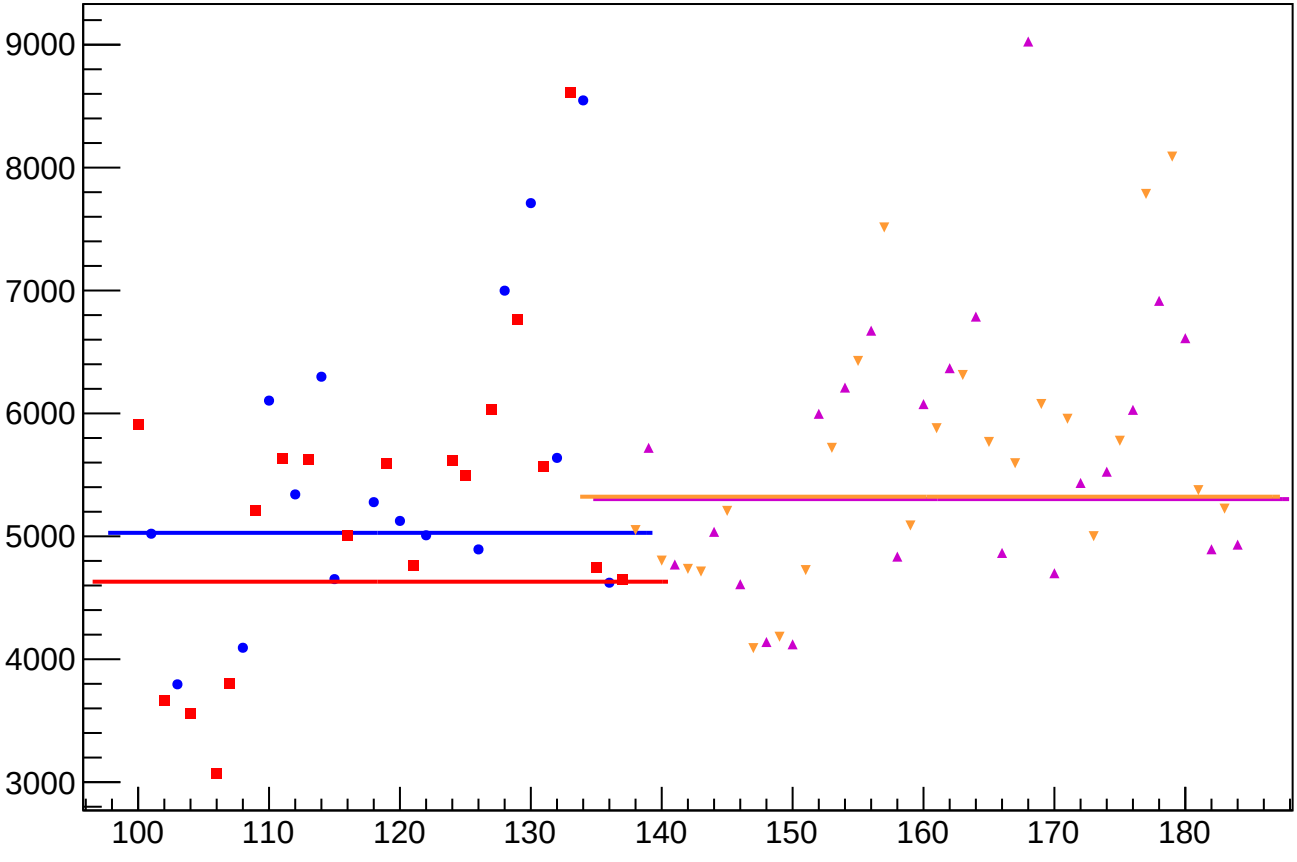
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 93.955+/-1042.040 χ^2/NDF: 39.5/39

All: 268.518+/-730.240 χ^2/NDF: 69.3/81

\- sign 436.970+/-1023.638 χ^2/NDF: 29.7/41

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

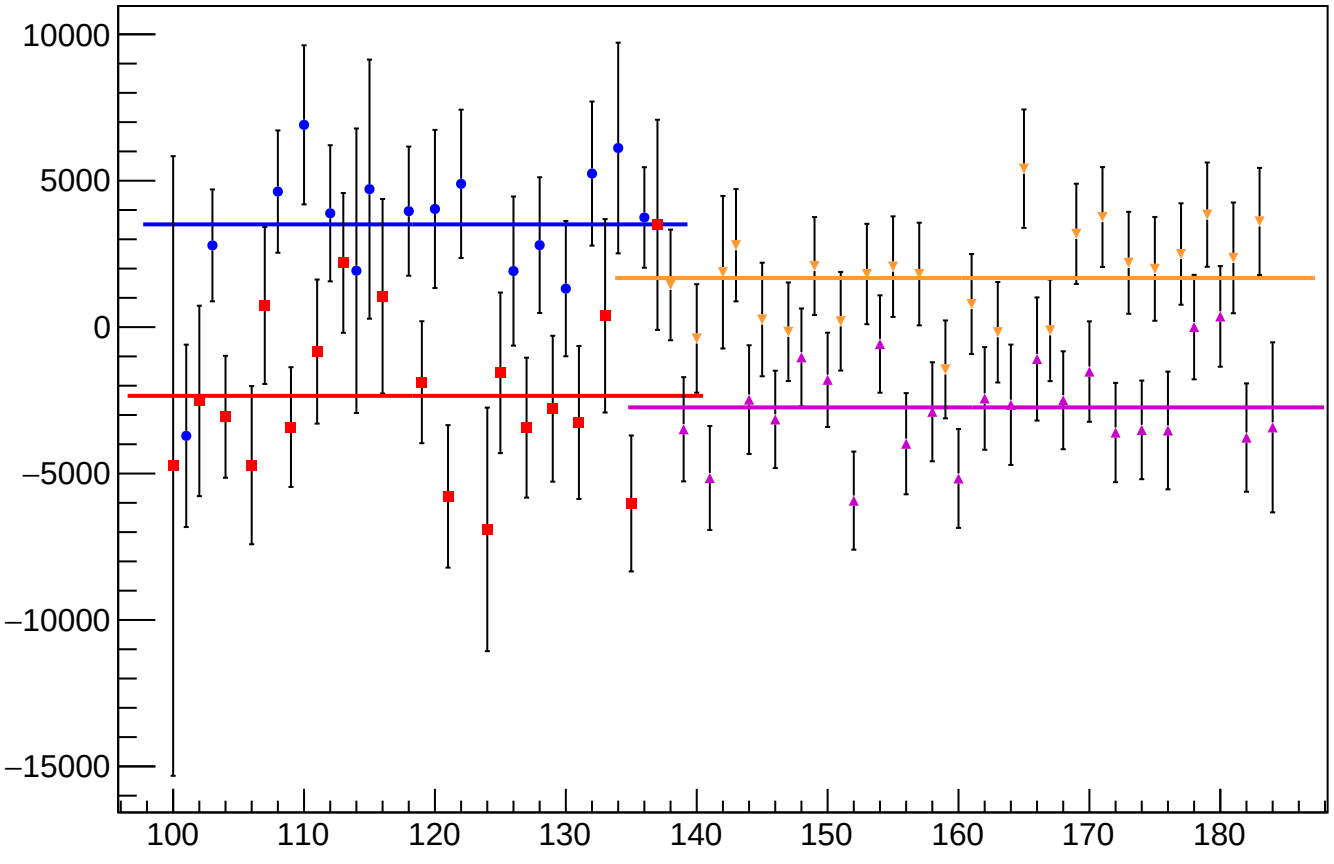
Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5235.321+/-0.737 χ^2/NDF: 1635668.4/39

All: 5152.493+/-0.516 χ^2/NDF: 3870519.9/81

- sign 5072.565+/-0.724 χ^2/NDF: 2210021.6/41



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

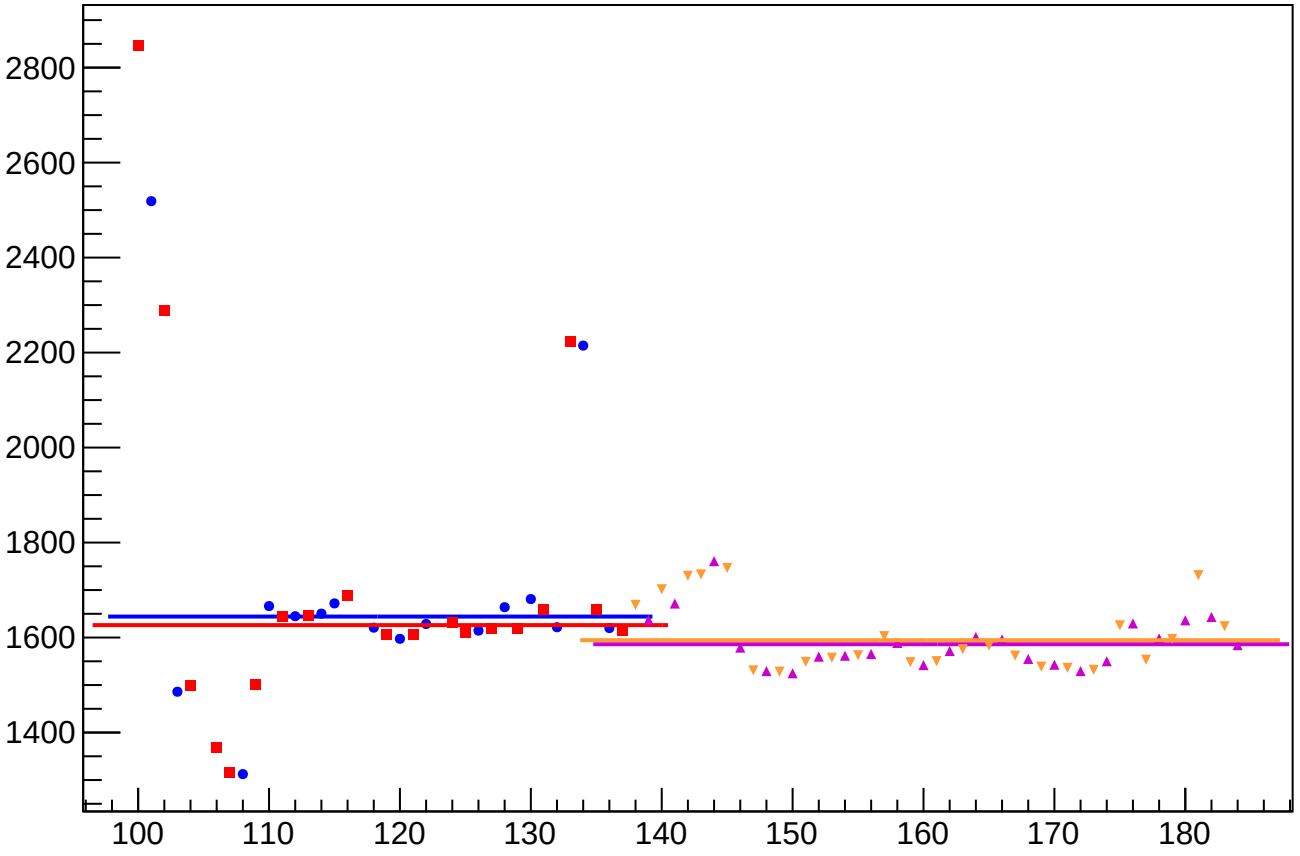
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2151.620+/-314.164 χ^2/NDF: 35.9/39

All: -224.305+/-222.927 χ^2/NDF: 187.7/81

- sign -2633.859+/-316.380 χ^2/NDF: 36.6/41

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

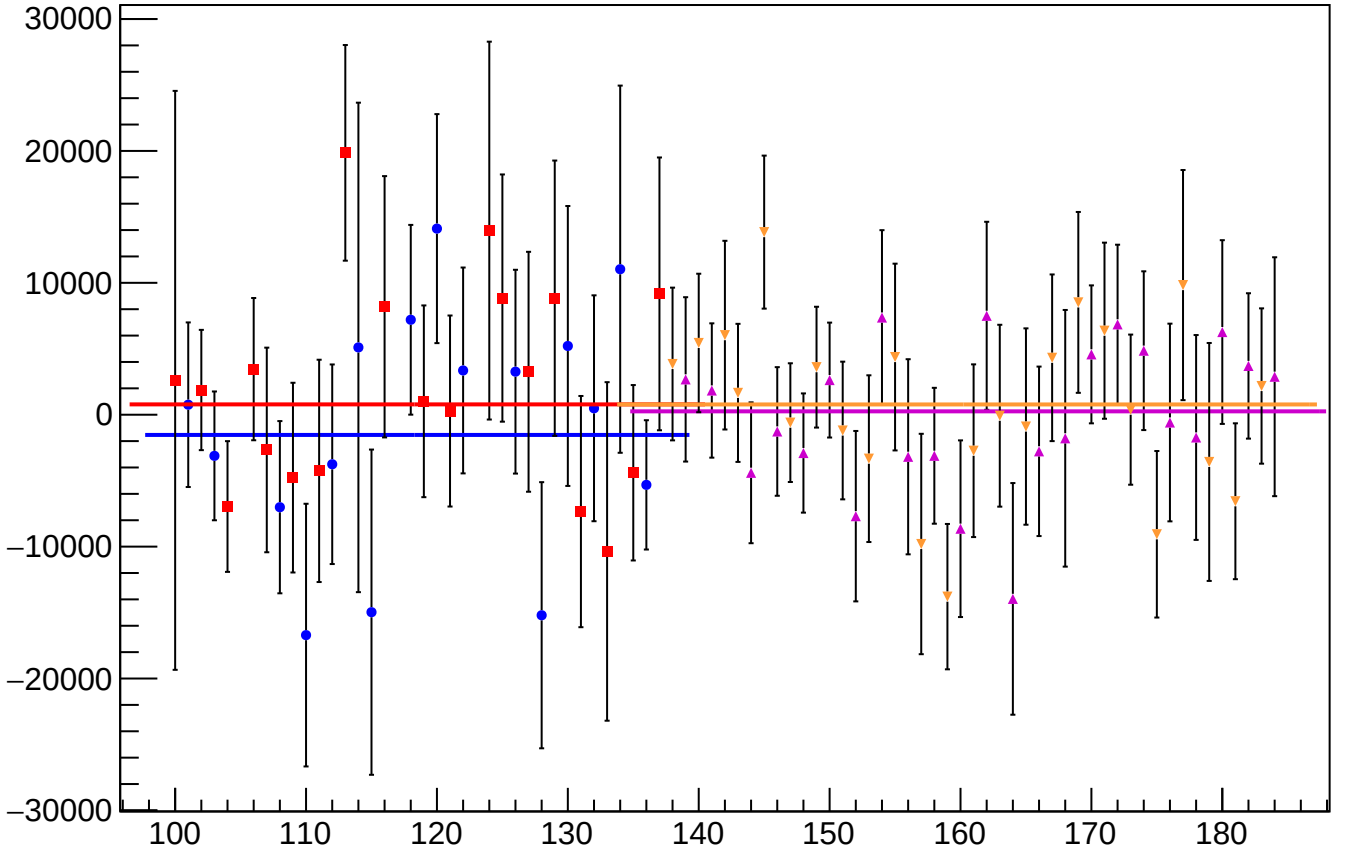
Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1607.356+/-0.222 χ^2/NDF: 355191.6/39

All: 1602.139+/-0.158 χ^2/NDF: 642264.1/81

- sign 1596.851+/-0.224 χ^2/NDF: 285961.9/41

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 779.171+/-1242.347 χ^2/NDF:24.6/23

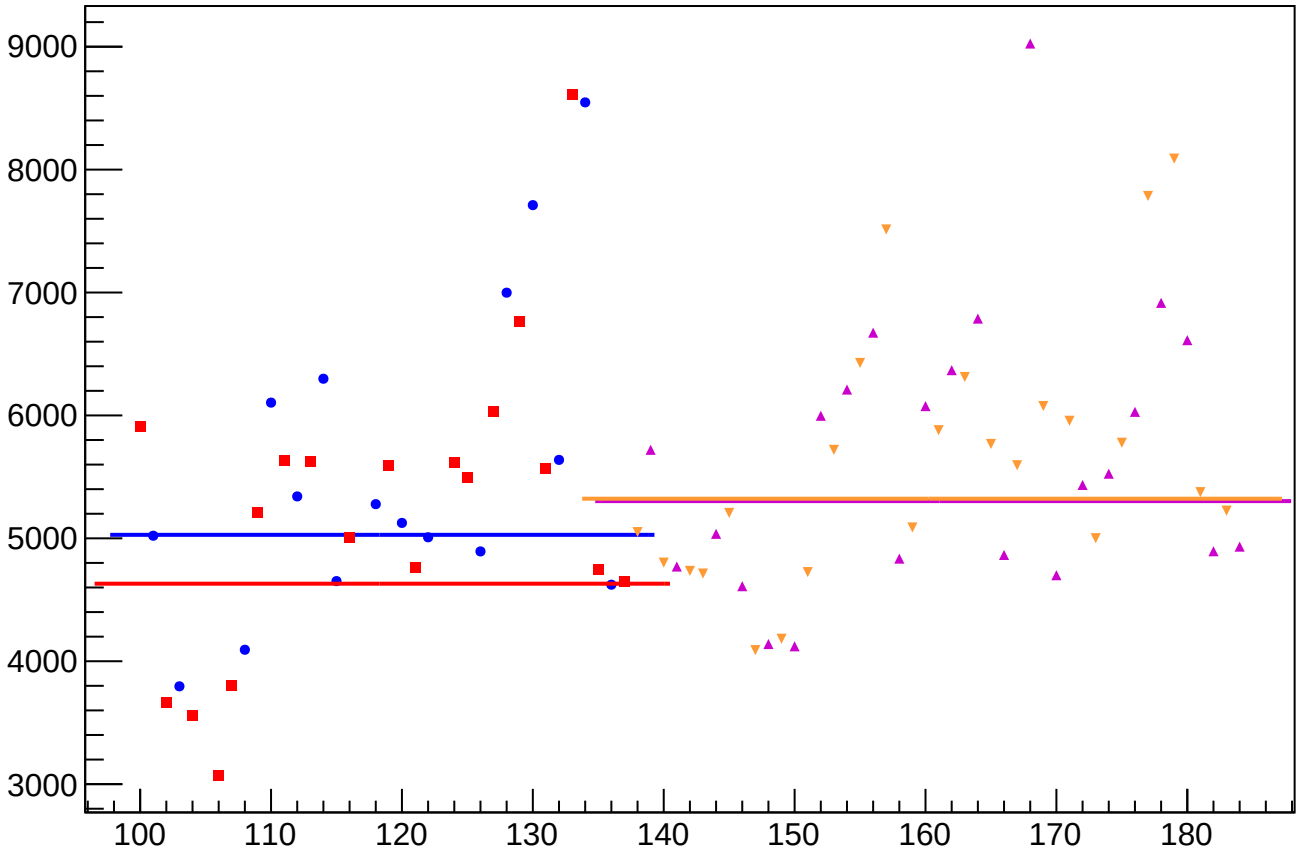
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 93.954+/-1042.041 χ^2/NDF: 39.5/39

All: 268.519+/-730.241 χ^2/NDF: 69.3/81

- sign 436.972+/-1023.638 χ^2/NDF: 29.7/41



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

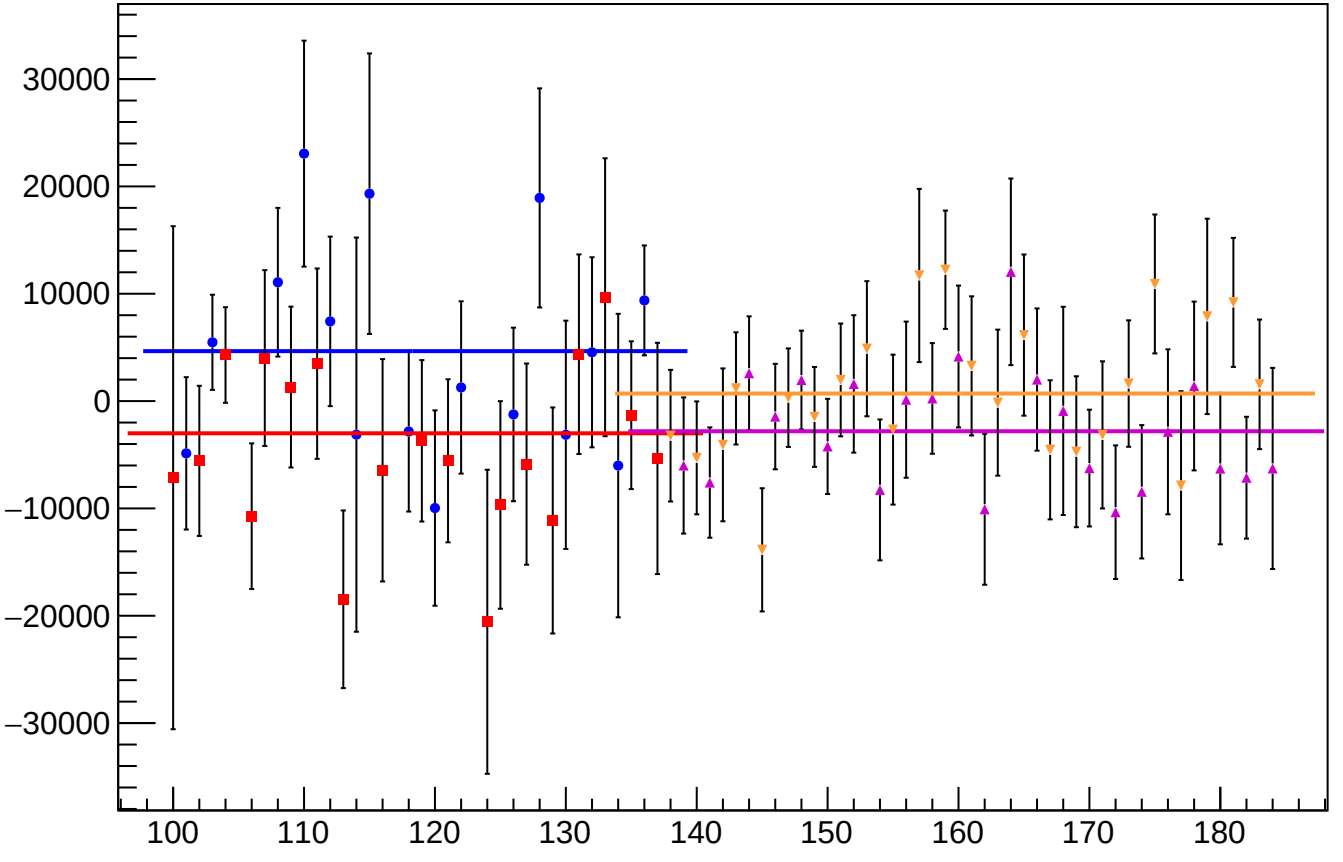
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5235.325+/-0.737 χ^2/NDF: 1635667.9/39

All: 5152.497+/-0.516 χ^2/NDF: 3870526.9/81

- sign 5072.568+/-0.724 χ^2/NDF: 2210028.6/41

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

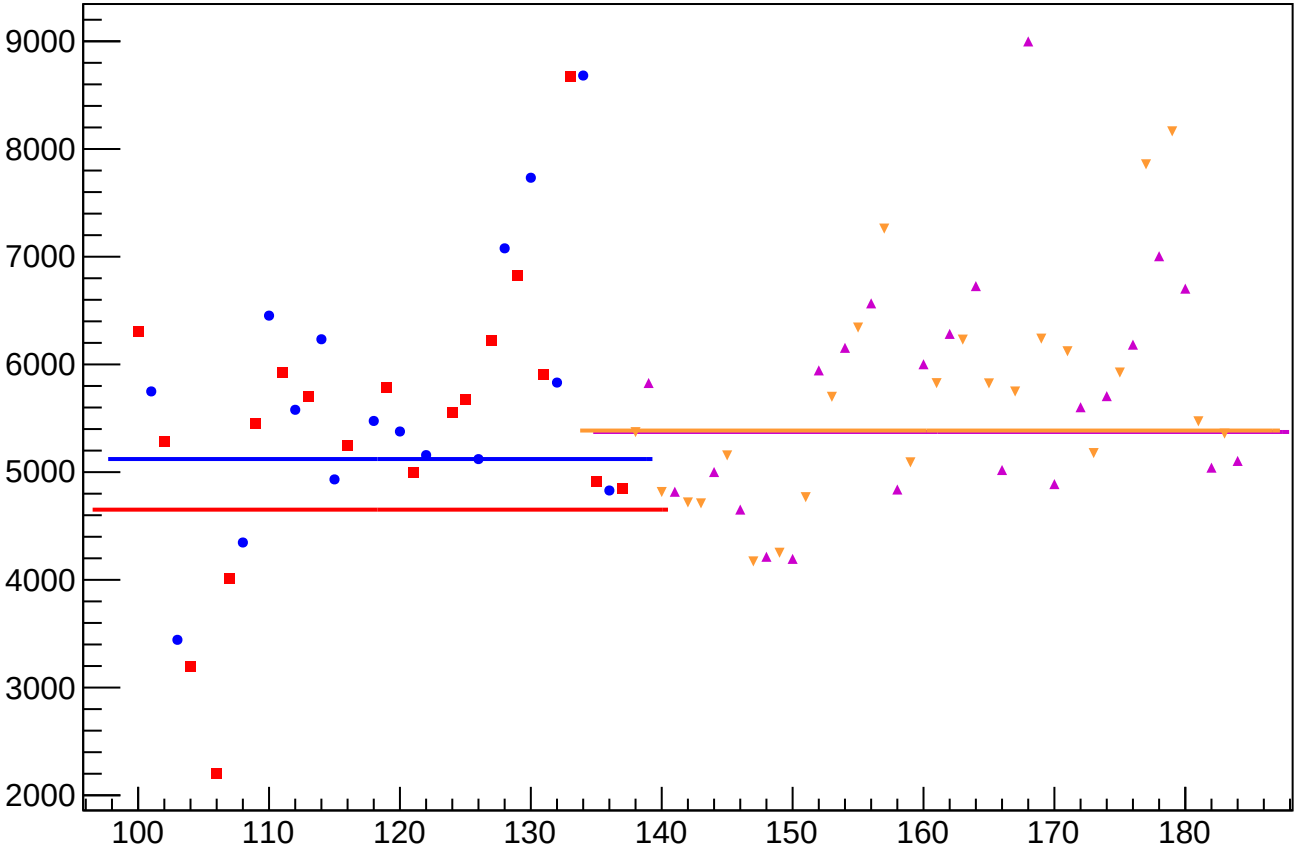
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1853.749+/-1056.875 χ^2/NDF: 42.6/39

All: -508.230+/-747.360 χ^2/NDF: 81.1/81

- sign -2870.668+/-1056.978 χ^2/NDF: 28.6/41

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

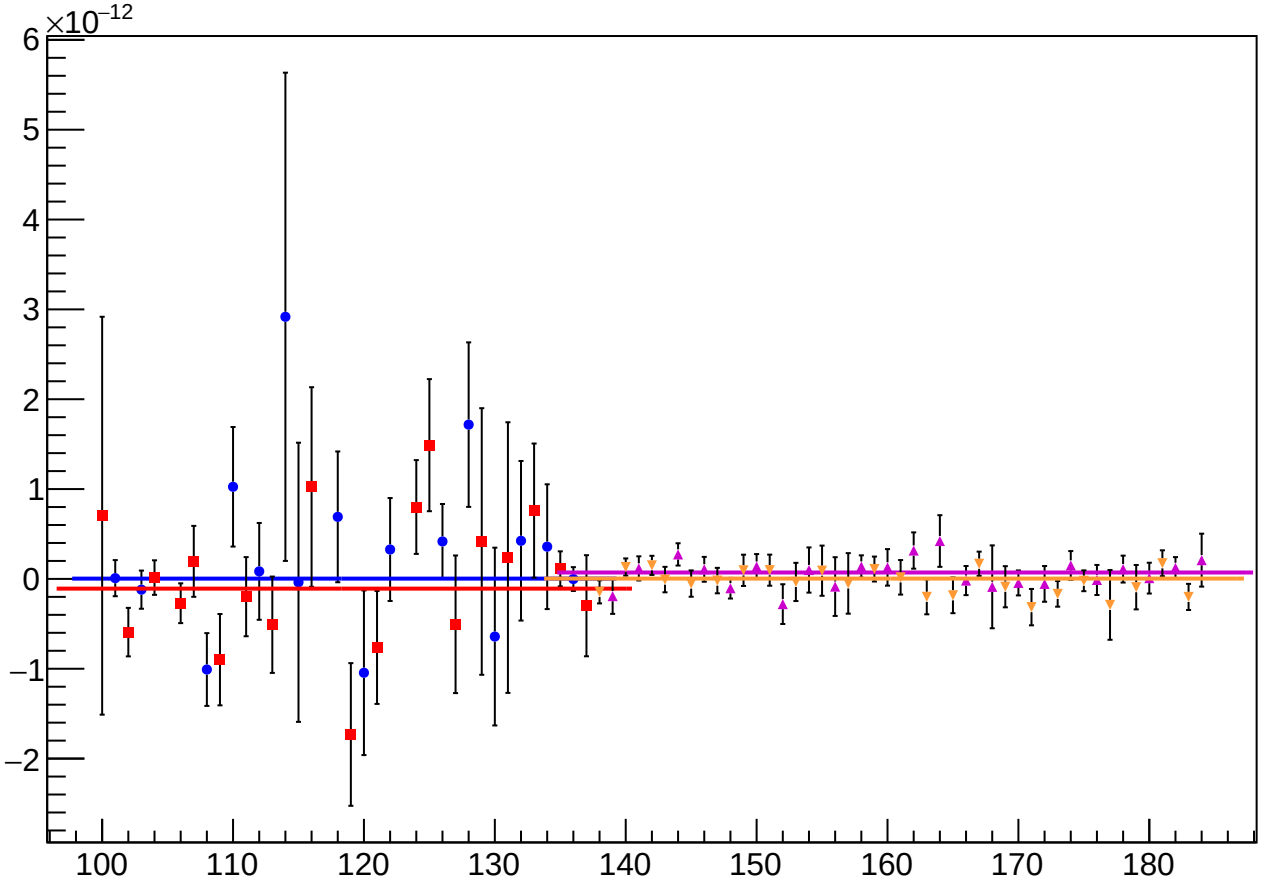
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5309.133+/-0.747 χ^2/NDF: 1733295.2/39

All: 5220.098+/-0.525 χ^2/NDF: 4389854.1/81

- sign 5133.270+/-0.738 χ^2/NDF: 2628523.0/41

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

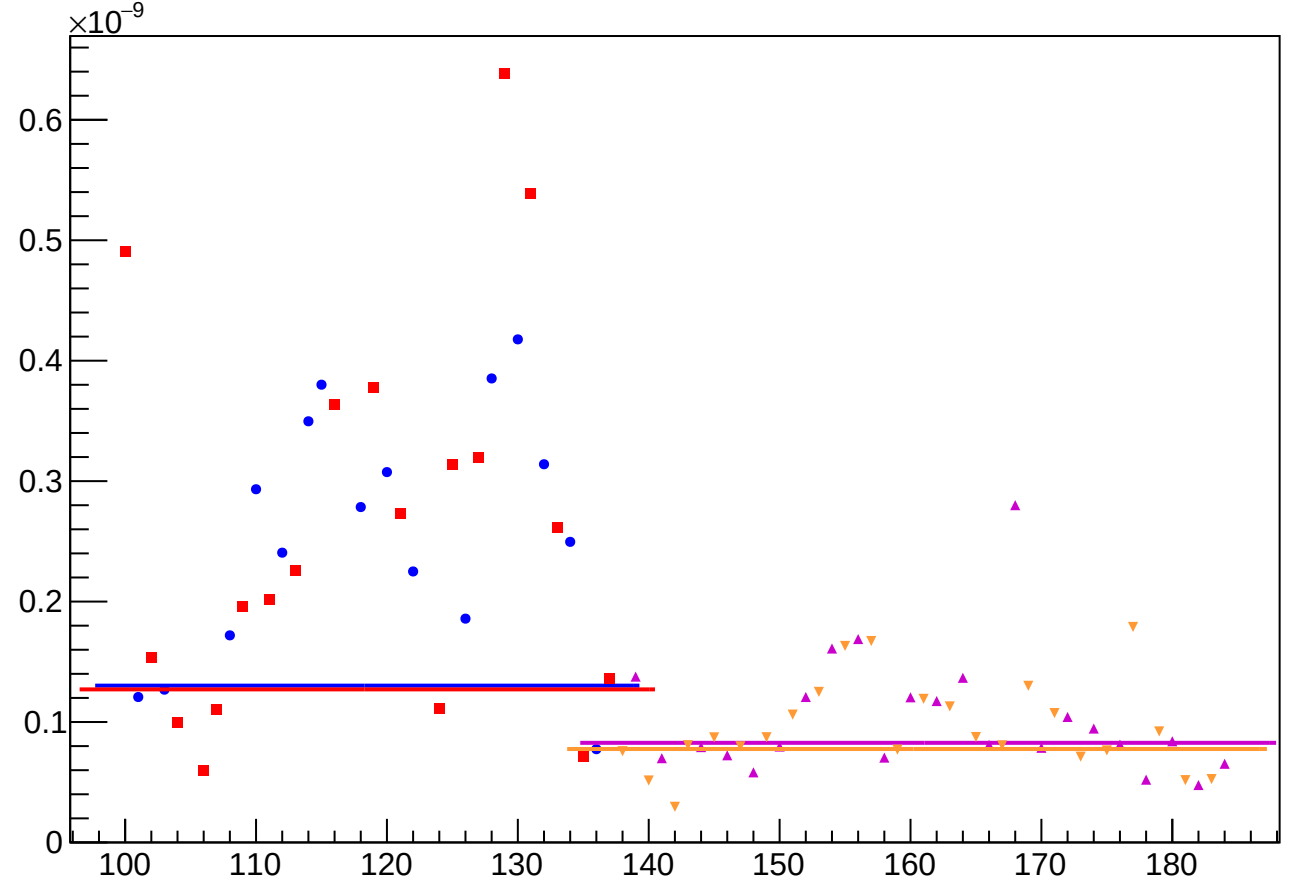
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/39

All: 0.000+/-0.000 χ^2/NDF: 81.8/81

- sign 0.000+/-0.000 χ^2/NDF: 44.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1641943.3/23

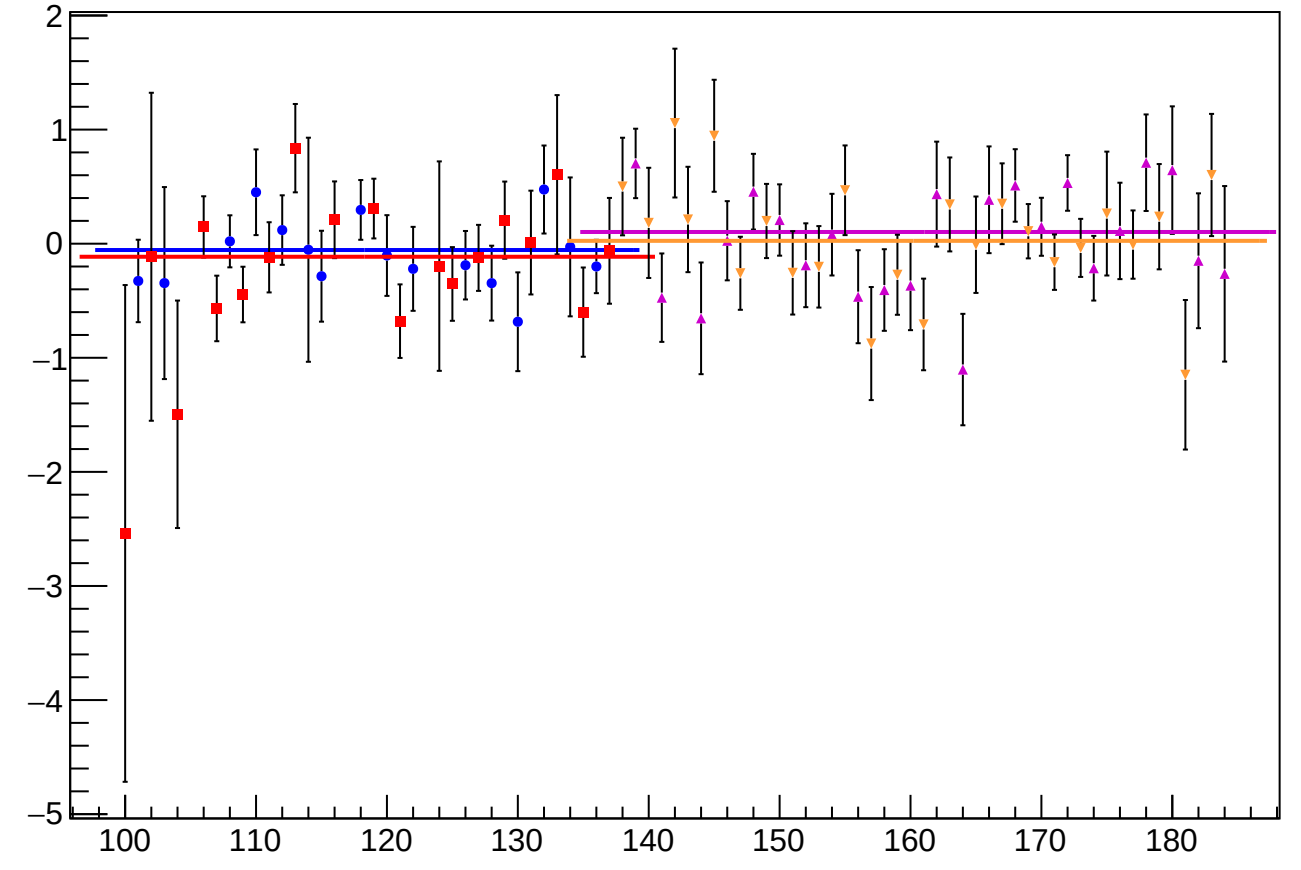
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3622902.8/39

All: 0.000+/-0.000 χ^2/NDF: 7358823.5/81

- sign 0.000+/-0.000 χ^2/NDF: 3714641.9/41



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

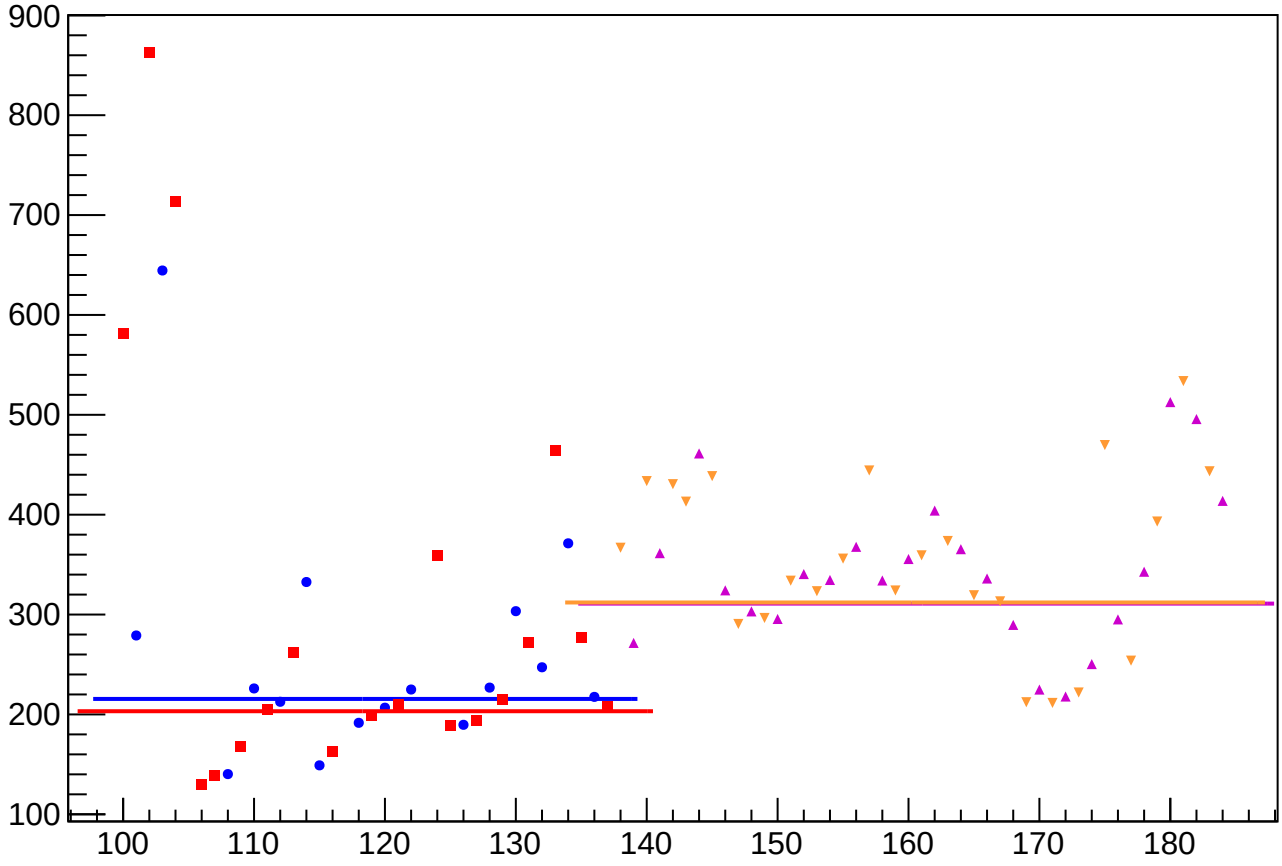
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.010+/-0.057 χ^2/NDF: 36.4/39

All: -0.003+/-0.040 χ^2/NDF: 97.6/81

- sign 0.004+/-0.056 χ^2/NDF: 61.2/41

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

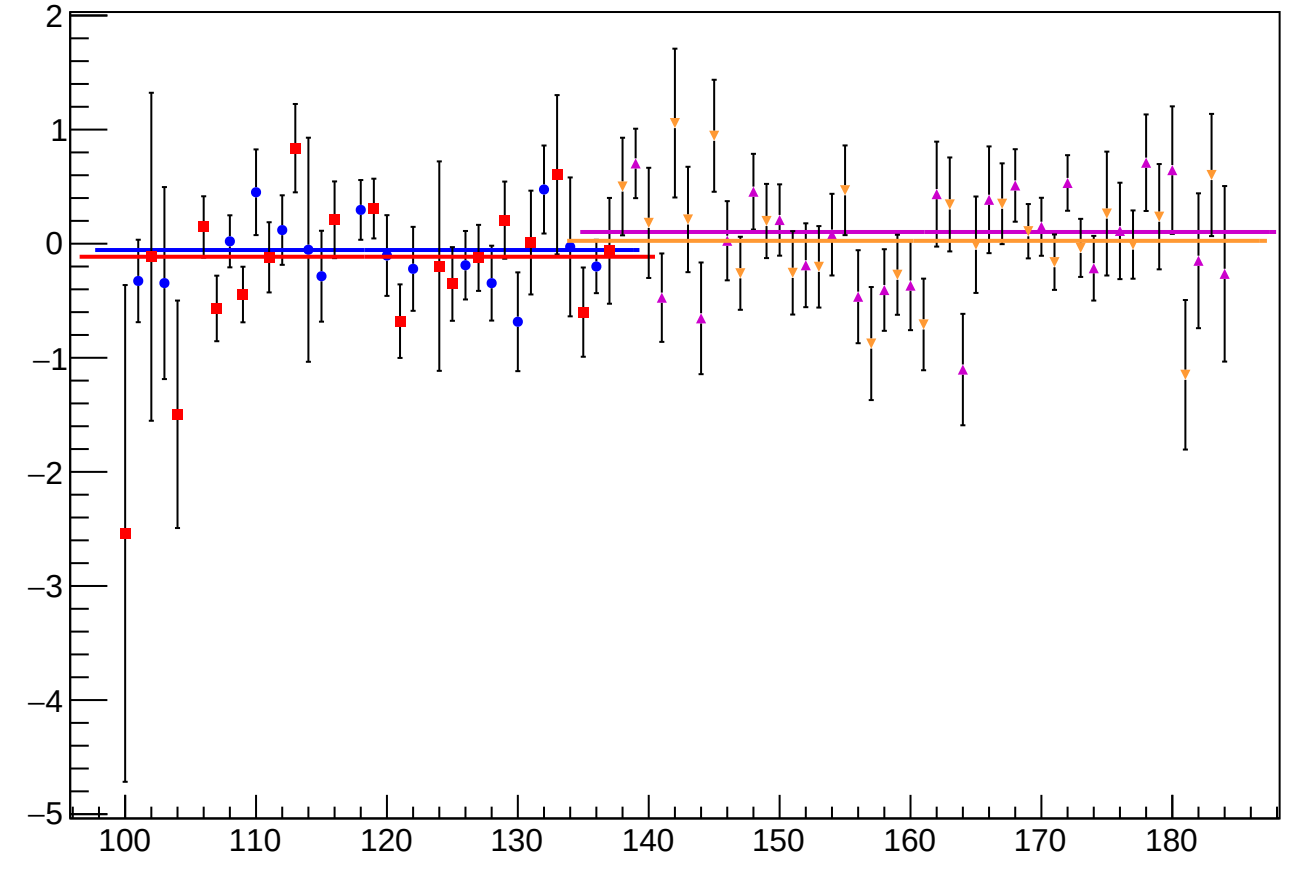
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.699+/-0.040 χ^2/NDF: 4901604.2/39

All: 265.711+/-0.028 χ^2/NDF: 10180016.2/81

- sign 261.780+/-0.040 χ^2/NDF: 5258710.9/41



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

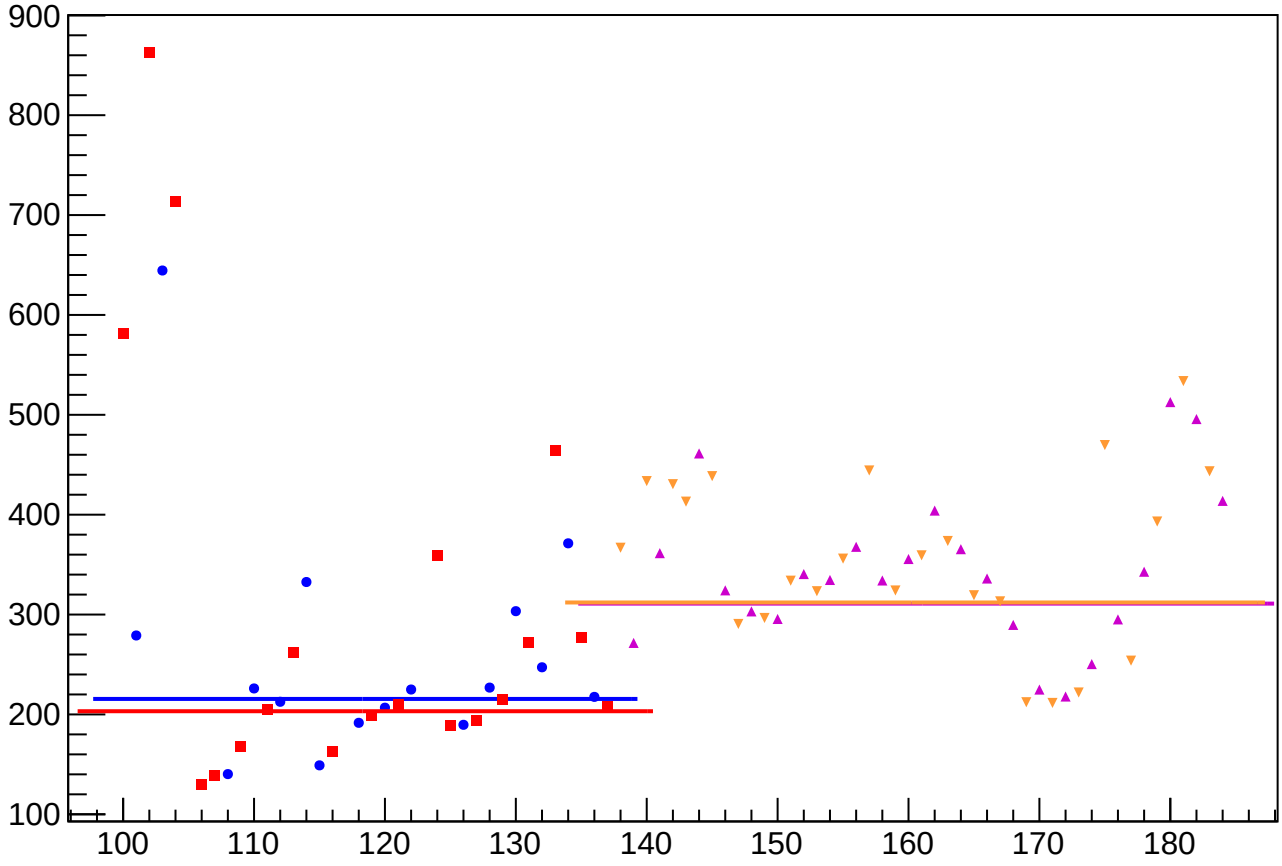
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.010+/-0.057 χ^2/NDF: 36.4/39

All: -0.003+/-0.040 χ^2/NDF: 97.6/81

- sign 0.004+/-0.056 χ^2/NDF: 61.2/41

asym_usr_atr2_avg_dit_vs_eigen_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

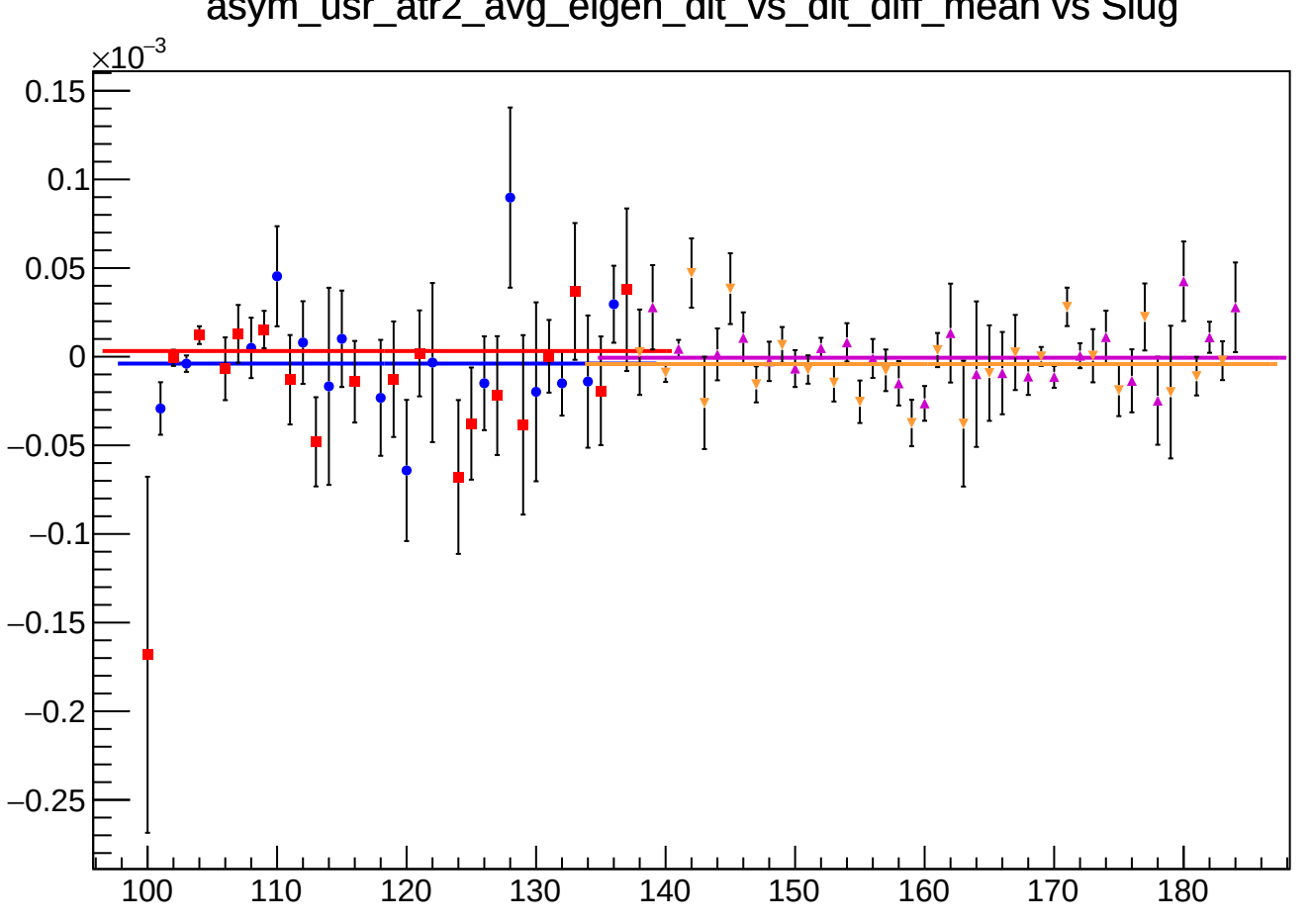
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.699+/-0.040 χ^2/NDF: 4901604.2/39

All: 265.711+/-0.028 χ^2/NDF: 10180016.2/81

- sign 261.780+/-0.040 χ^2/NDF: 5258710.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/23

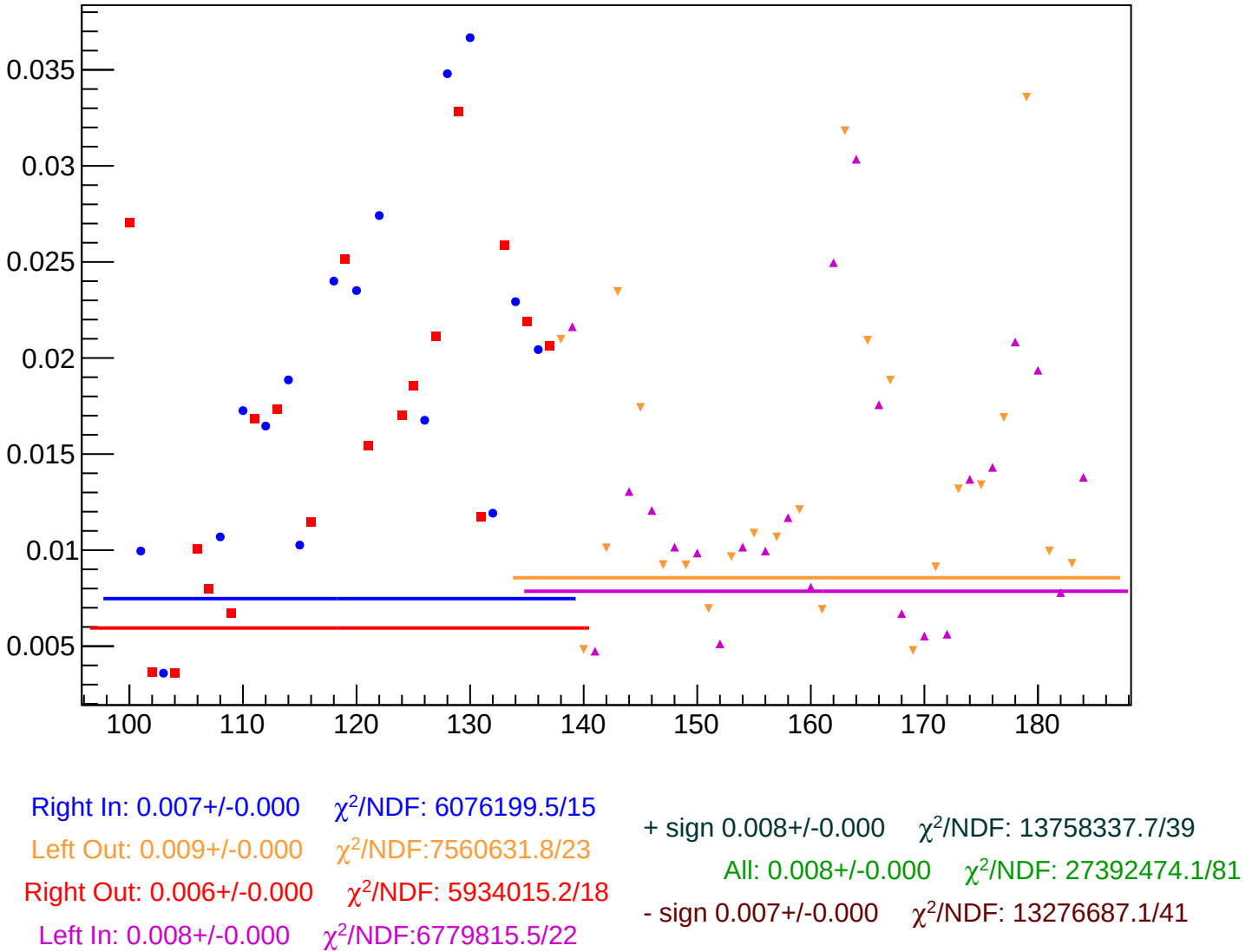
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

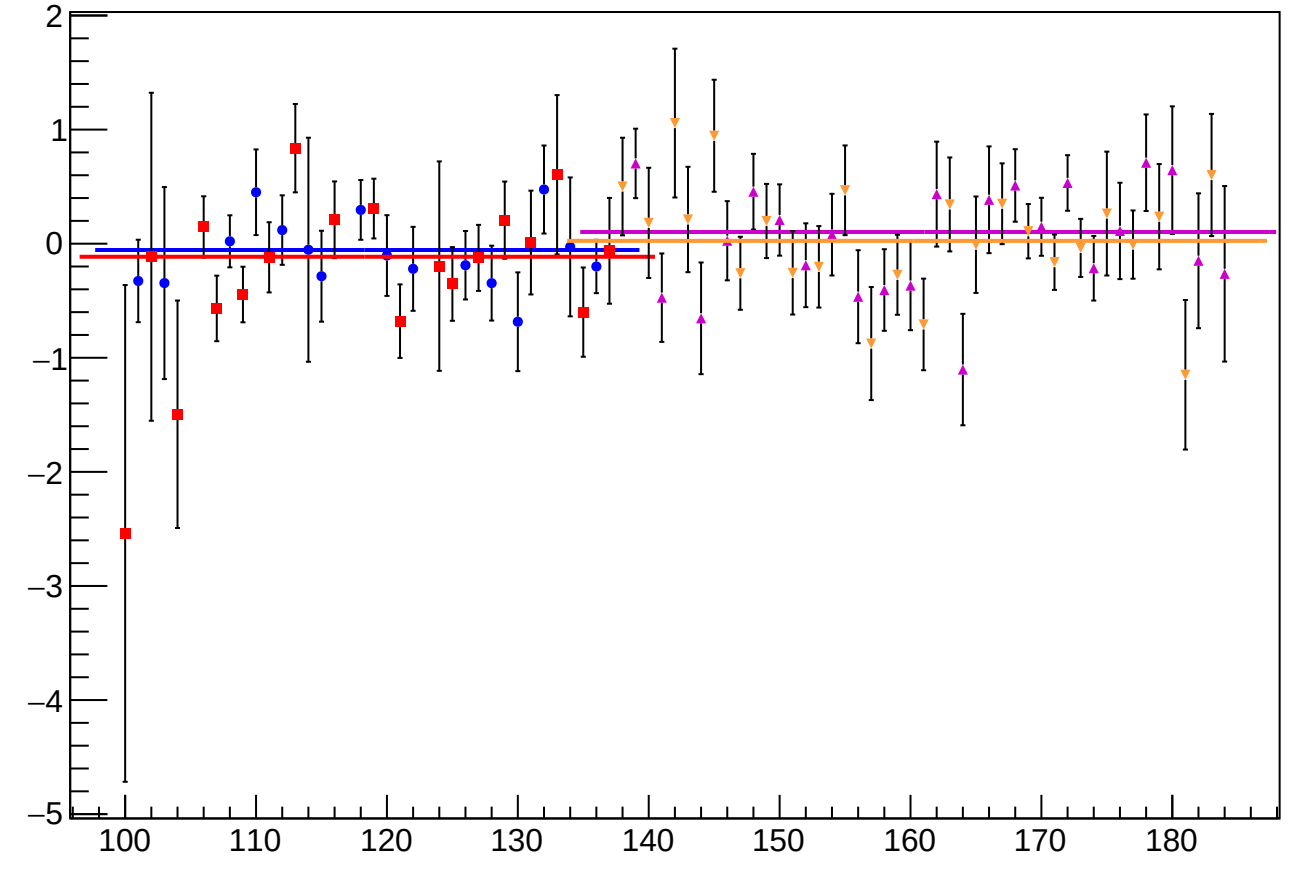
Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.2/39

All: -0.000+/-0.000 χ^2/NDF: 109.9/81

- sign 0.000+/-0.000 χ^2/NDF: 49.3/41


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 0.007+/-0.000 χ²/NDF: 6076199.5/15
Left Out: 0.009+/-0.000 χ²/NDF:7560631.8/23
Right Out: 0.006+/-0.000 χ²/NDF: 5934015.2/18
Left In: 0.008+/-0.000 χ²/NDF:6779815.5/22
+ sign 0.008+/-0.000 χ²/NDF: 13758337.7/39
All: 0.008+/-0.000 χ²/NDF: 27392474.1/81
- sign 0.007+/-0.000 χ²/NDF: 13276687.1/41



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.025+/-0.076 χ^2/NDF:25.2/23

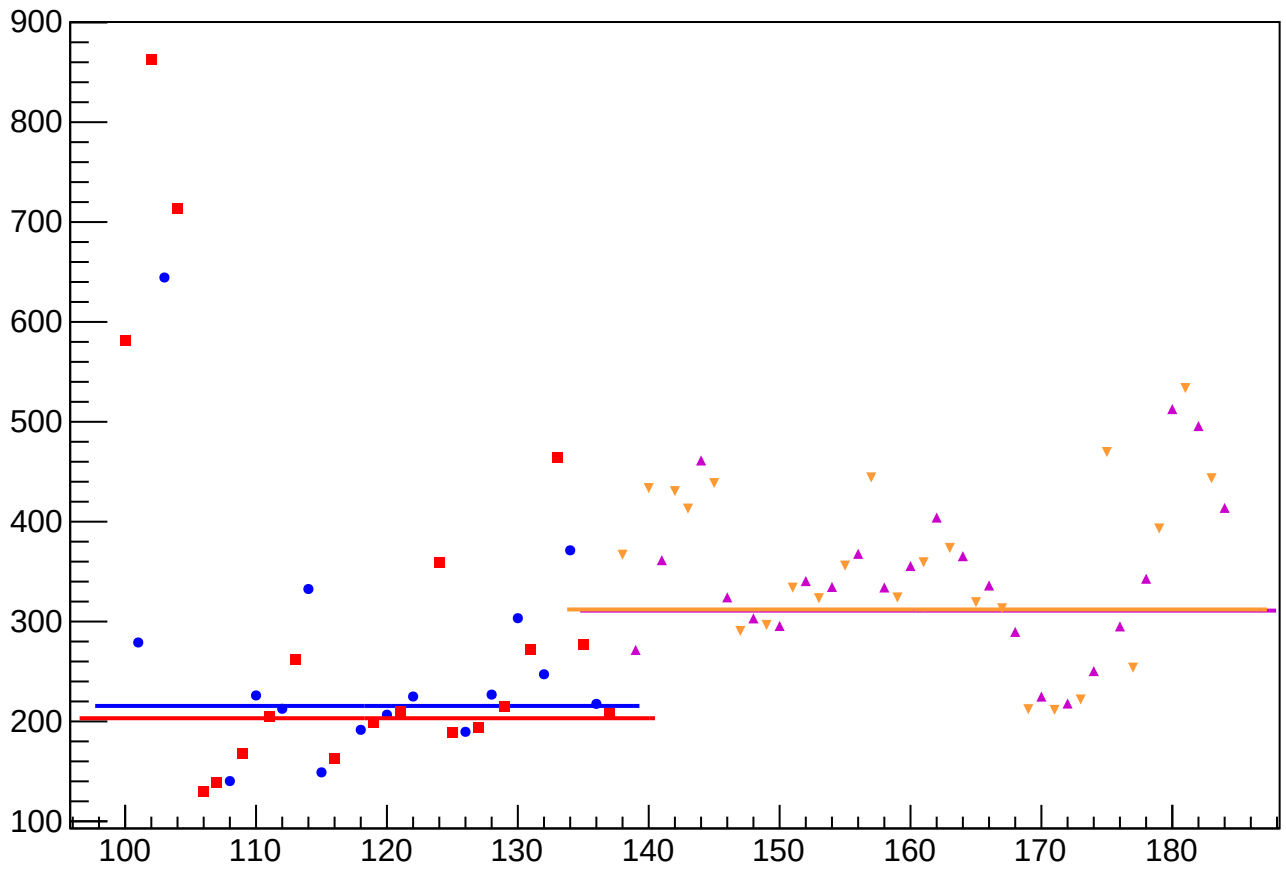
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.010+/-0.057 χ^2/NDF: 36.4/39

All: -0.003+/-0.040 χ^2/NDF: 97.6/81

- sign 0.004+/-0.056 χ^2/NDF: 61.2/41



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 312.095+/-0.053 χ^2/NDF:2320426.3/23

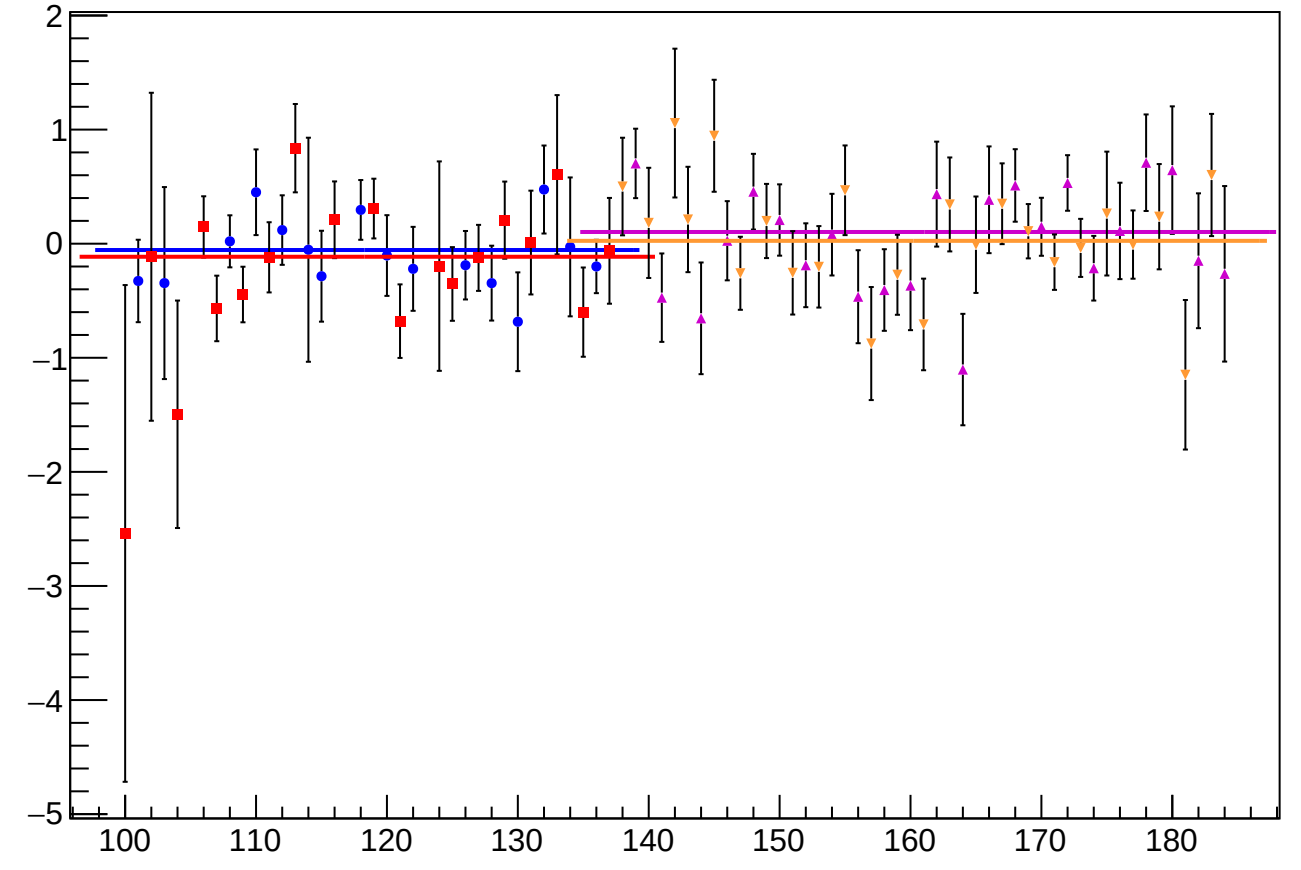
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.700+/-0.040 χ^2/NDF: 4901772.7/39

All: 265.711+/-0.028 χ^2/NDF: 10180362.2/81

- sign 261.780+/-0.040 χ^2/NDF: 5258887.3/41



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.025+/-0.076 χ^2/NDF:25.2/23

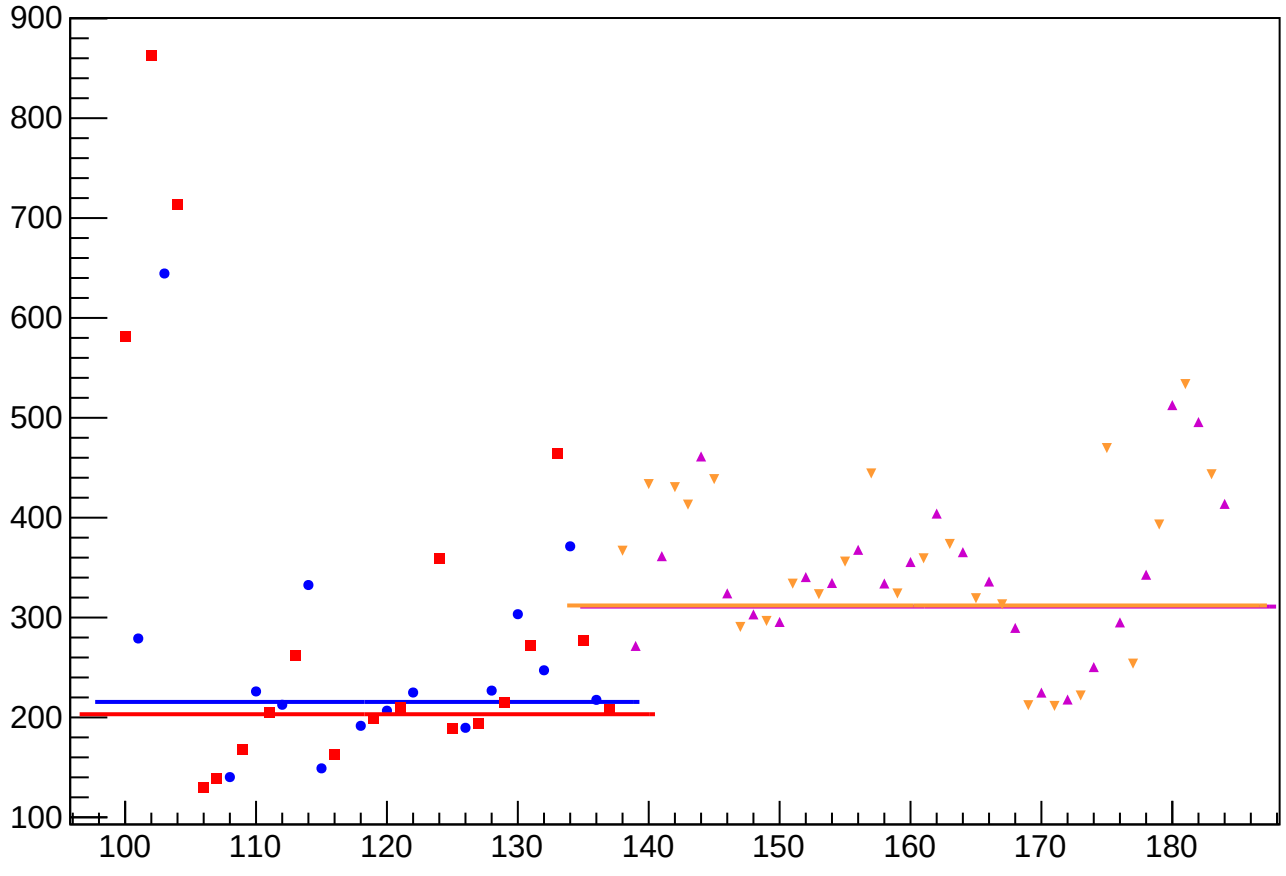
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.010+/-0.057 χ^2/NDF: 36.4/39

All: -0.003+/-0.040 χ^2/NDF: 97.6/81

- sign 0.004+/-0.056 χ^2/NDF: 61.2/41



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 312.095+/-0.053 χ^2/NDF:2320426.3/23

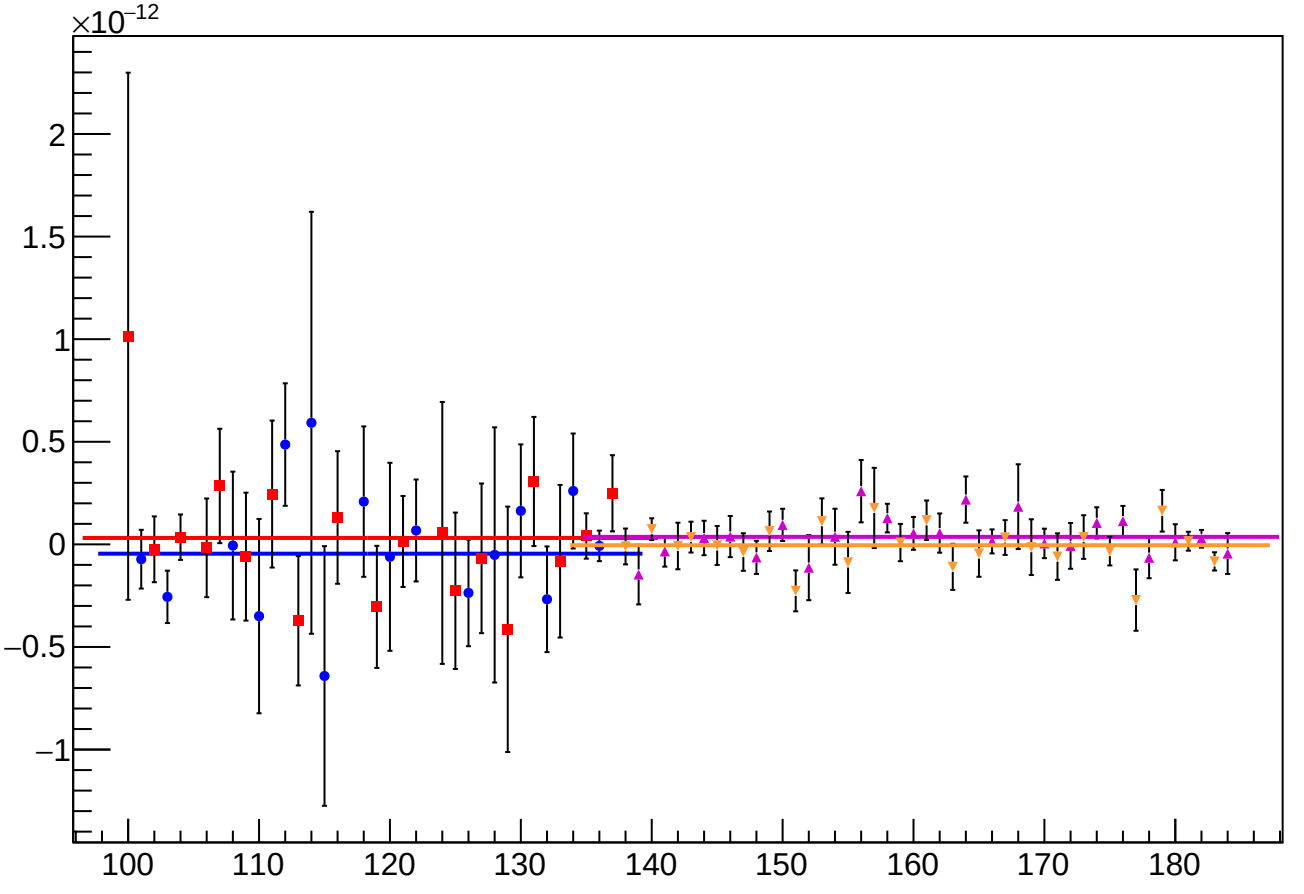
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.700+/-0.040 χ^2/NDF: 4901772.7/39

All: 265.711+/-0.028 χ^2/NDF: 10180362.2/81

- sign 261.780+/-0.040 χ^2/NDF: 5258887.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.0/23

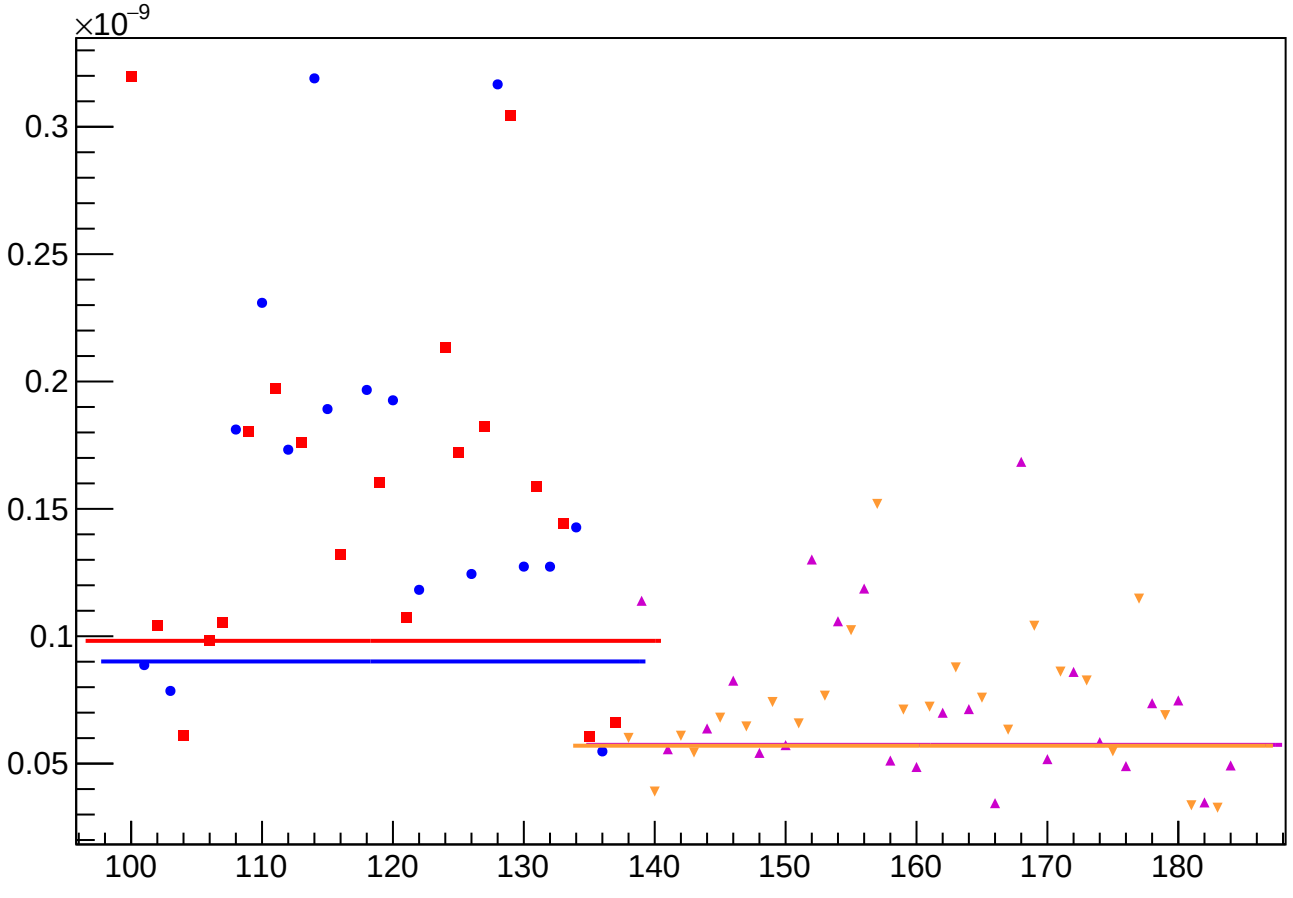
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

\+ sign -0.000+/-0.000 χ^2/NDF: 35.0/39

All: 0.000+/-0.000 χ^2/NDF: 63.9/81

\- sign 0.000+/-0.000 χ^2/NDF: 25.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3321630.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

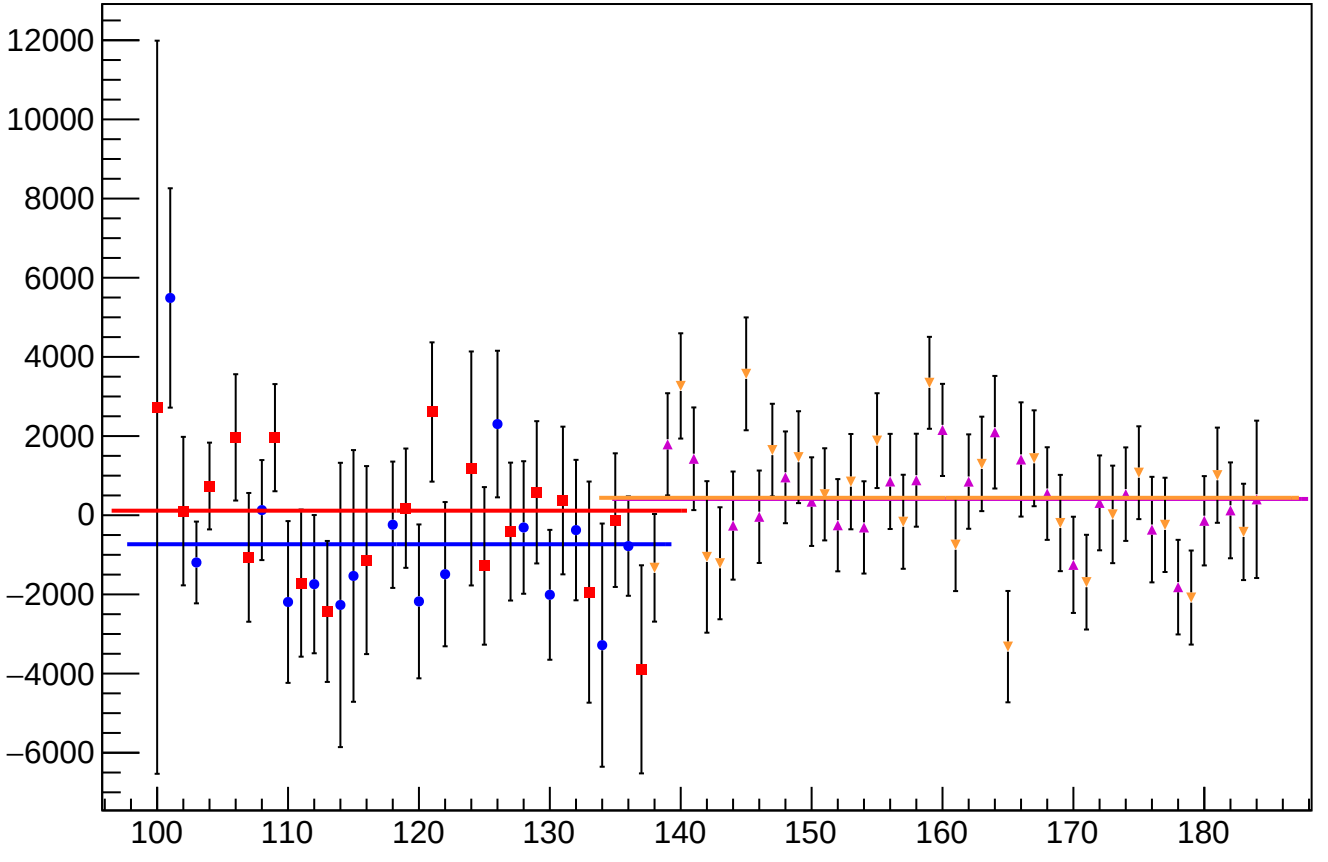
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5913283.7/39

All: 0.000+/-0.000 χ^2/NDF: 12015993.1/81

- sign 0.000+/-0.000 χ^2/NDF: 6099182.2/41

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

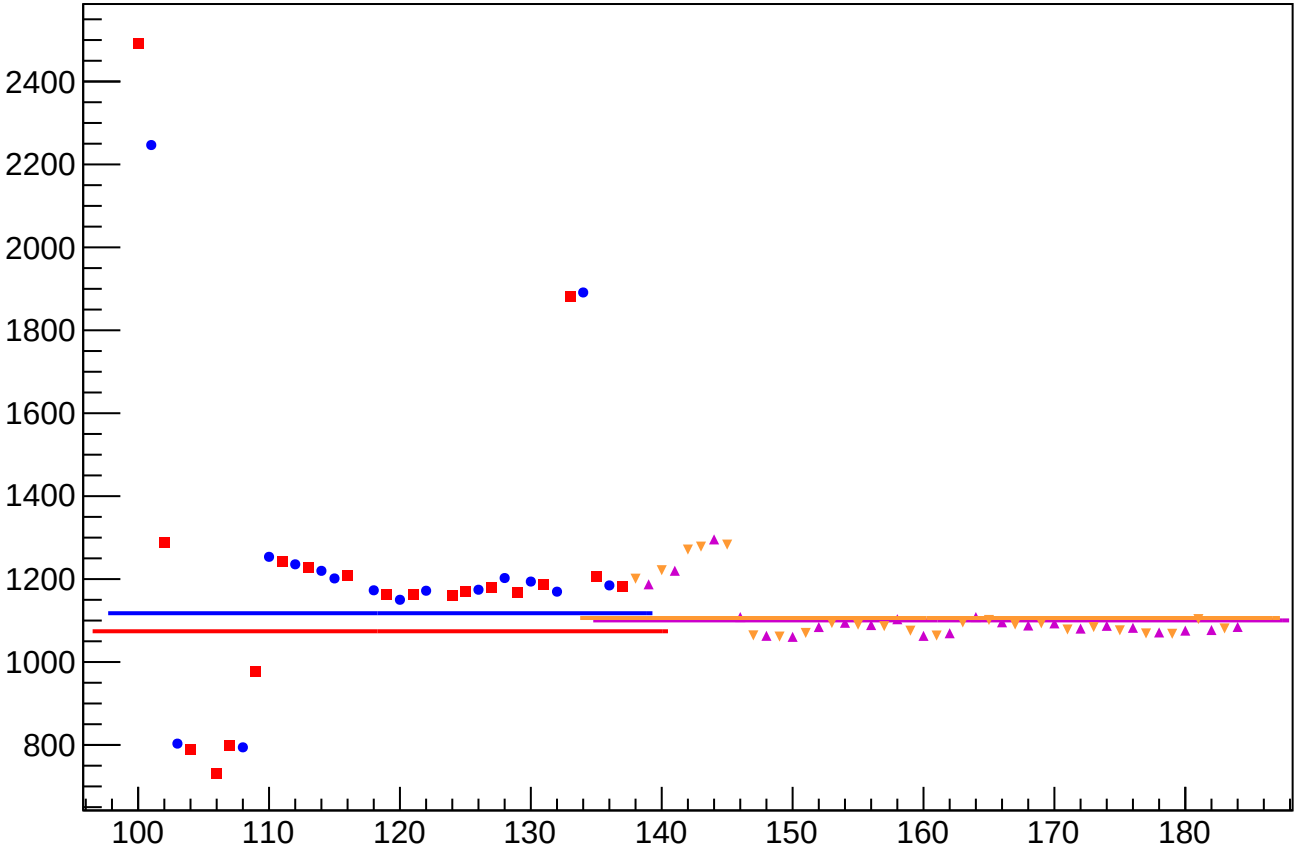
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 135.171+/-217.953 χ^2/NDF: 59.0/39

All: 231.538+/-154.166 χ^2/NDF: 86.5/81

- sign 328.029+/-218.093 χ^2/NDF: 27.1/41

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

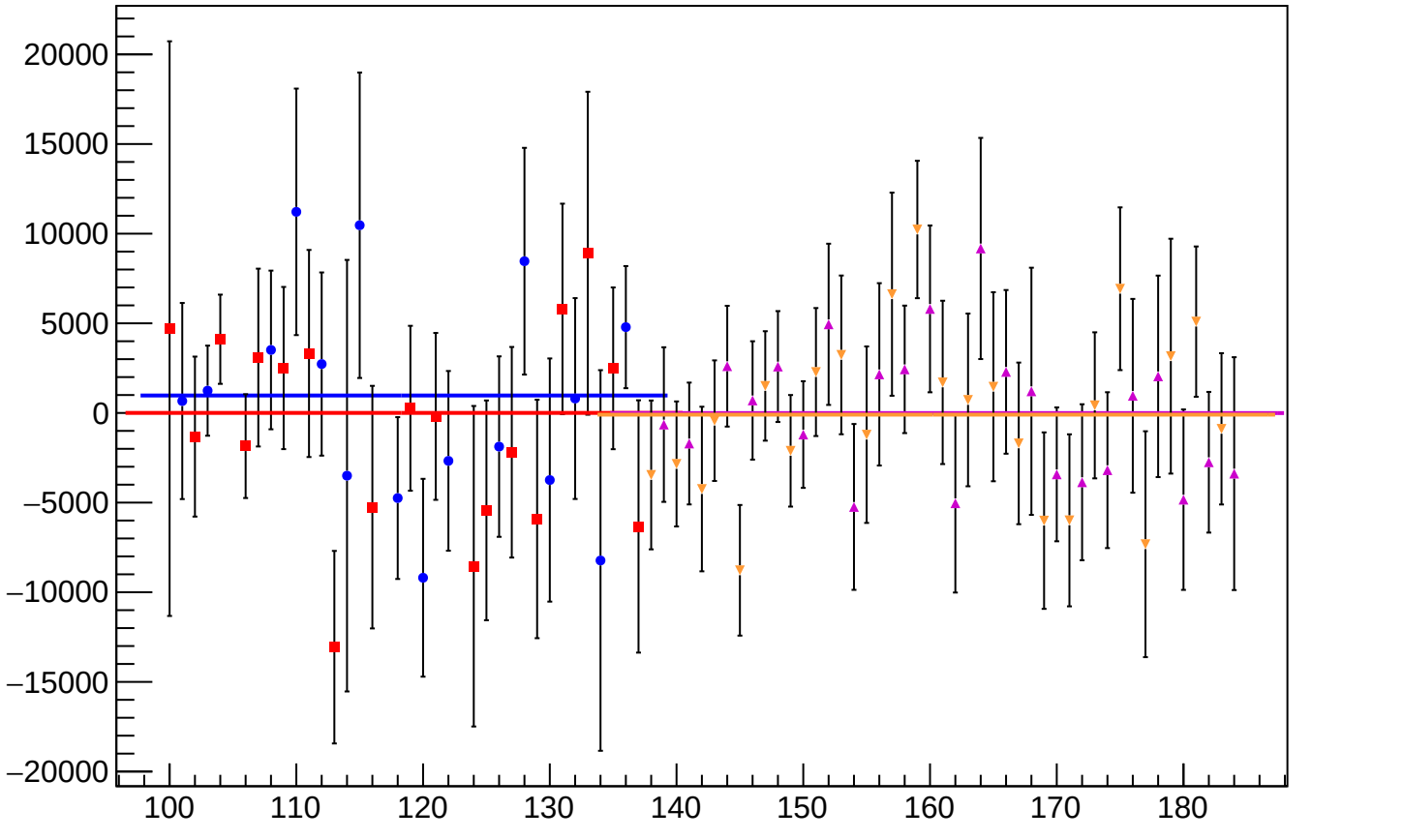
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1109.142+/-0.154 χ^2/NDF: 942114.4/39

All: 1101.007+/-0.109 χ^2/NDF: 1683328.4/81

- sign 1092.899+/-0.154 χ^2/NDF: 735651.1/41



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -93.791+/-856.260 χ^2/NDF:27.1/23

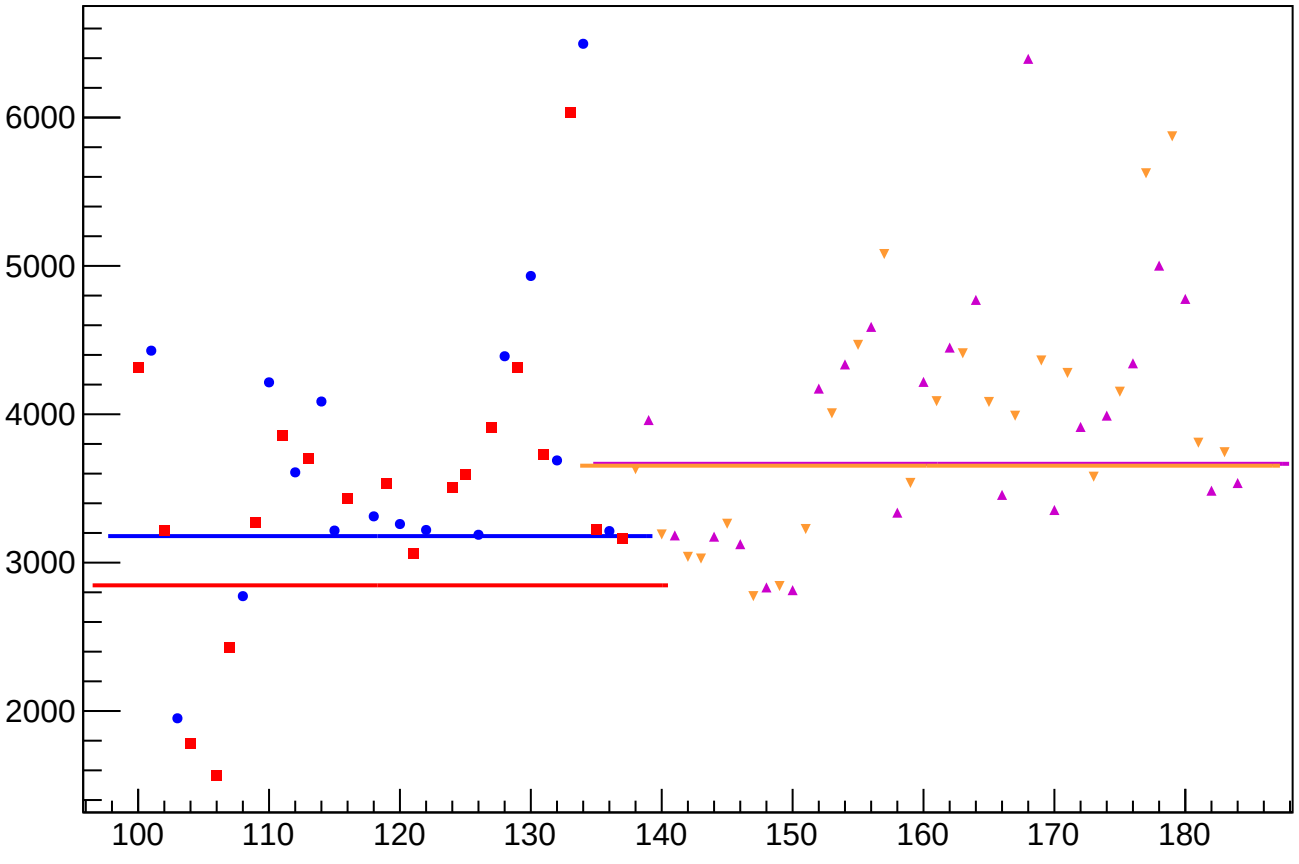
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

\+ sign 253.635+/-703.258 χ^2/NDF: 41.4/39

All: 122.644+/-491.873 χ^2/NDF: 72.1/81

\- sign -2.804+/-688.214 χ^2/NDF: 30.6/41



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

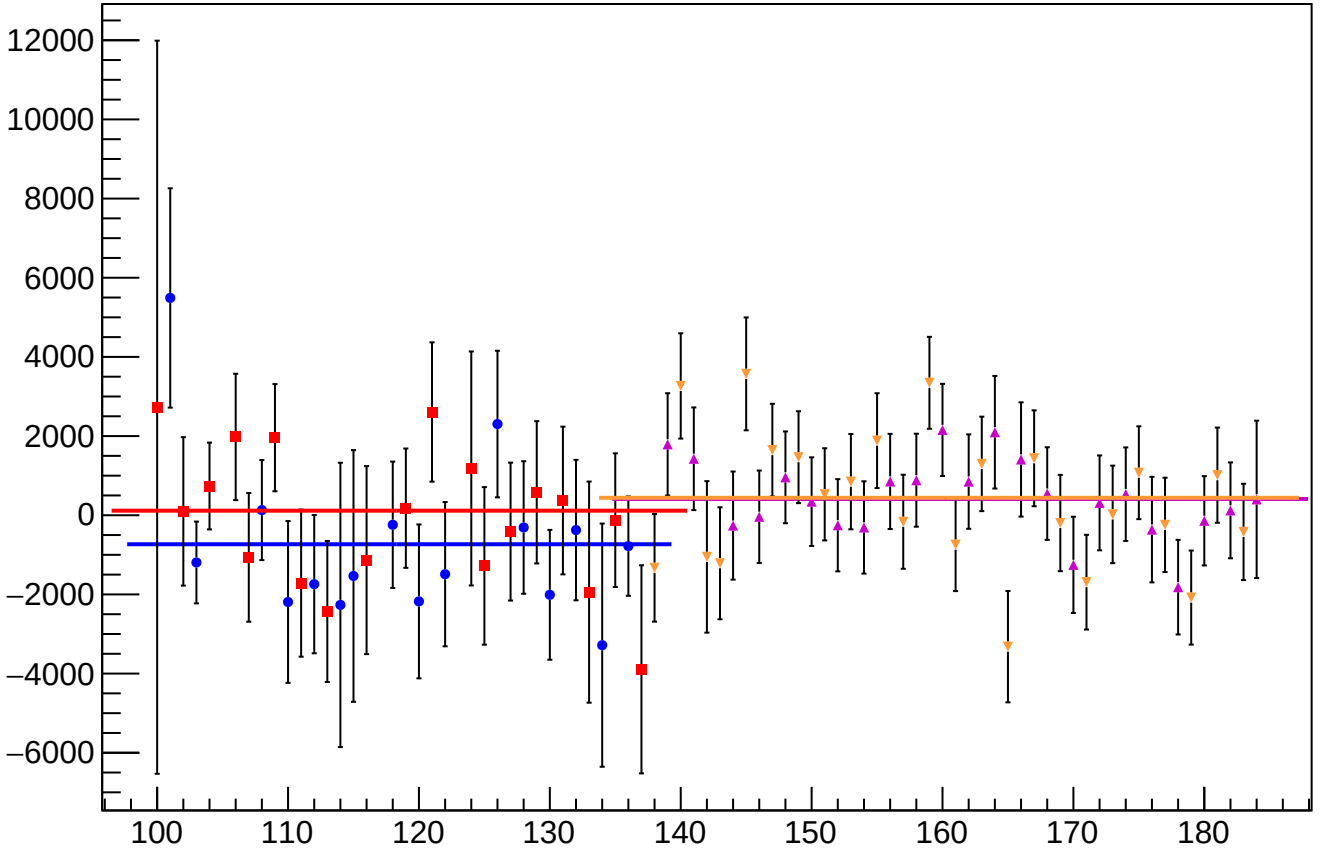
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3499.036+/-0.497 χ^2/NDF: 2603332.6/39

All: 3424.665+/-0.348 χ^2/NDF: 6170631.8/81

- sign 3353.441+/-0.487 χ^2/NDF: 3523511.4/41

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

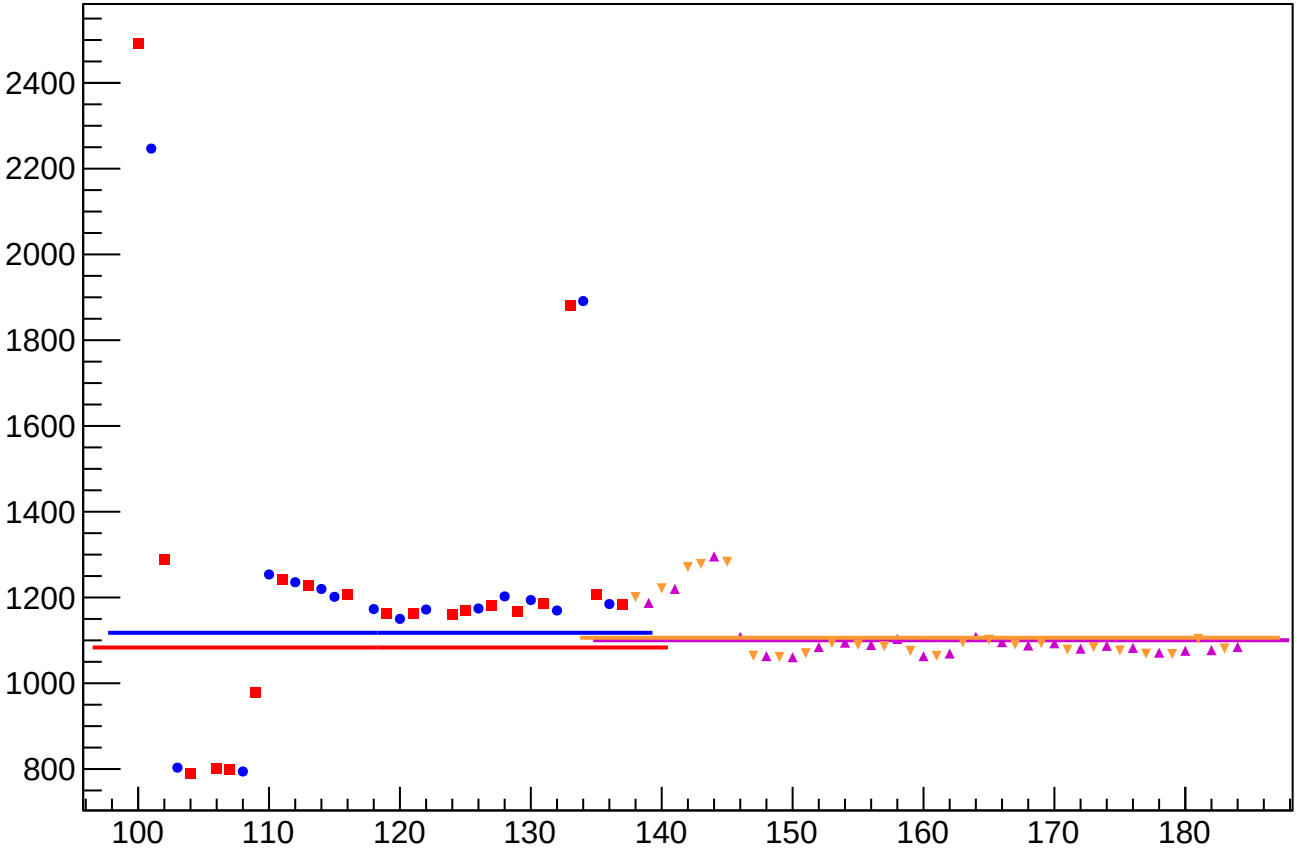
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 135.237+/-217.953 χ^2/NDF: 59.0/39

All: 231.574+/-154.166 χ^2/NDF: 86.5/81

- sign 328.035+/-218.094 χ^2/NDF: 27.2/41

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

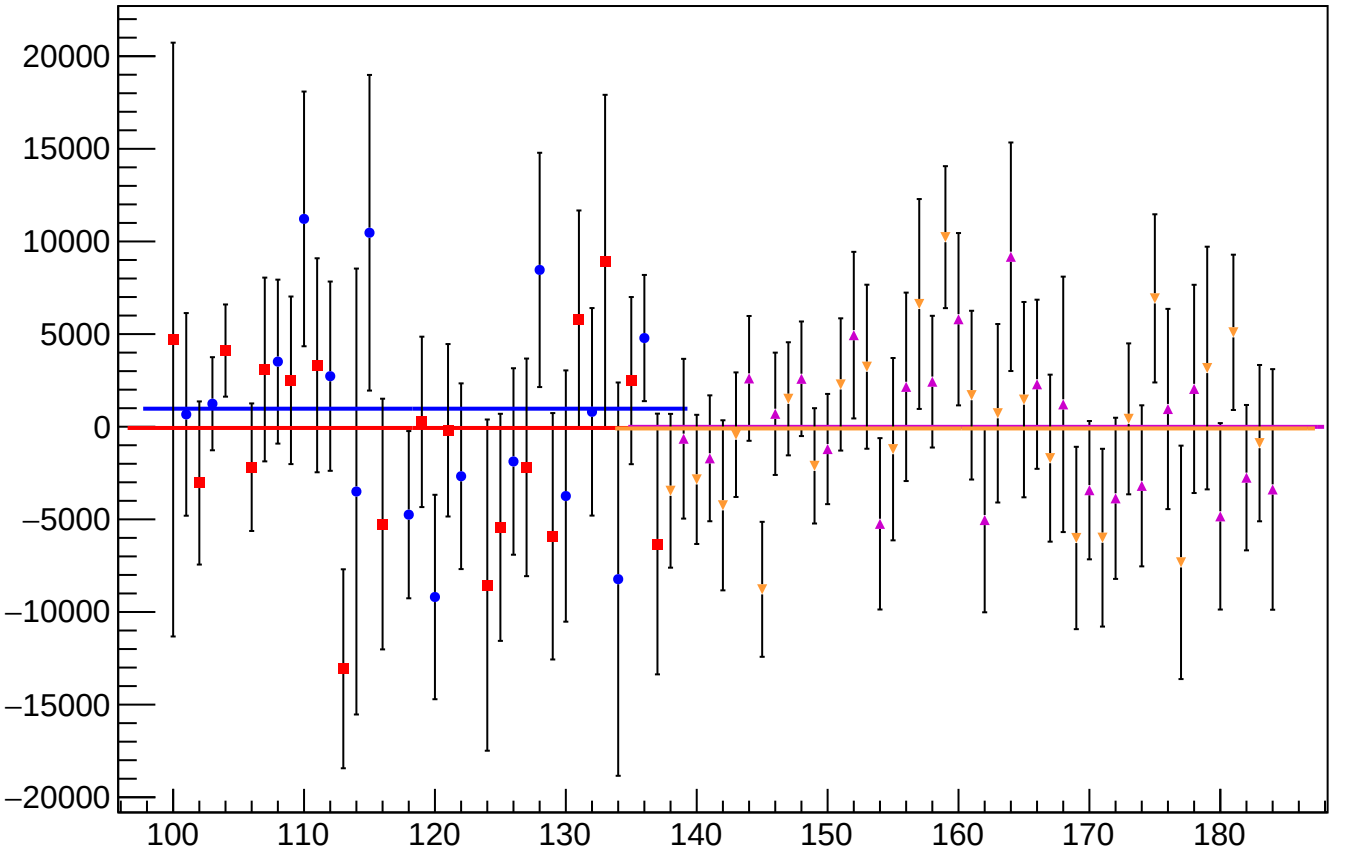
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1109.142+/-0.154 χ^2/NDF: 942111.0/39

All: 1102.362+/-0.109 χ^2/NDF: 1623680.7/81

- sign 1095.580+/-0.154 χ^2/NDF: 677698.4/41



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -93.789+/-856.259 χ^2/NDF:27.1/23

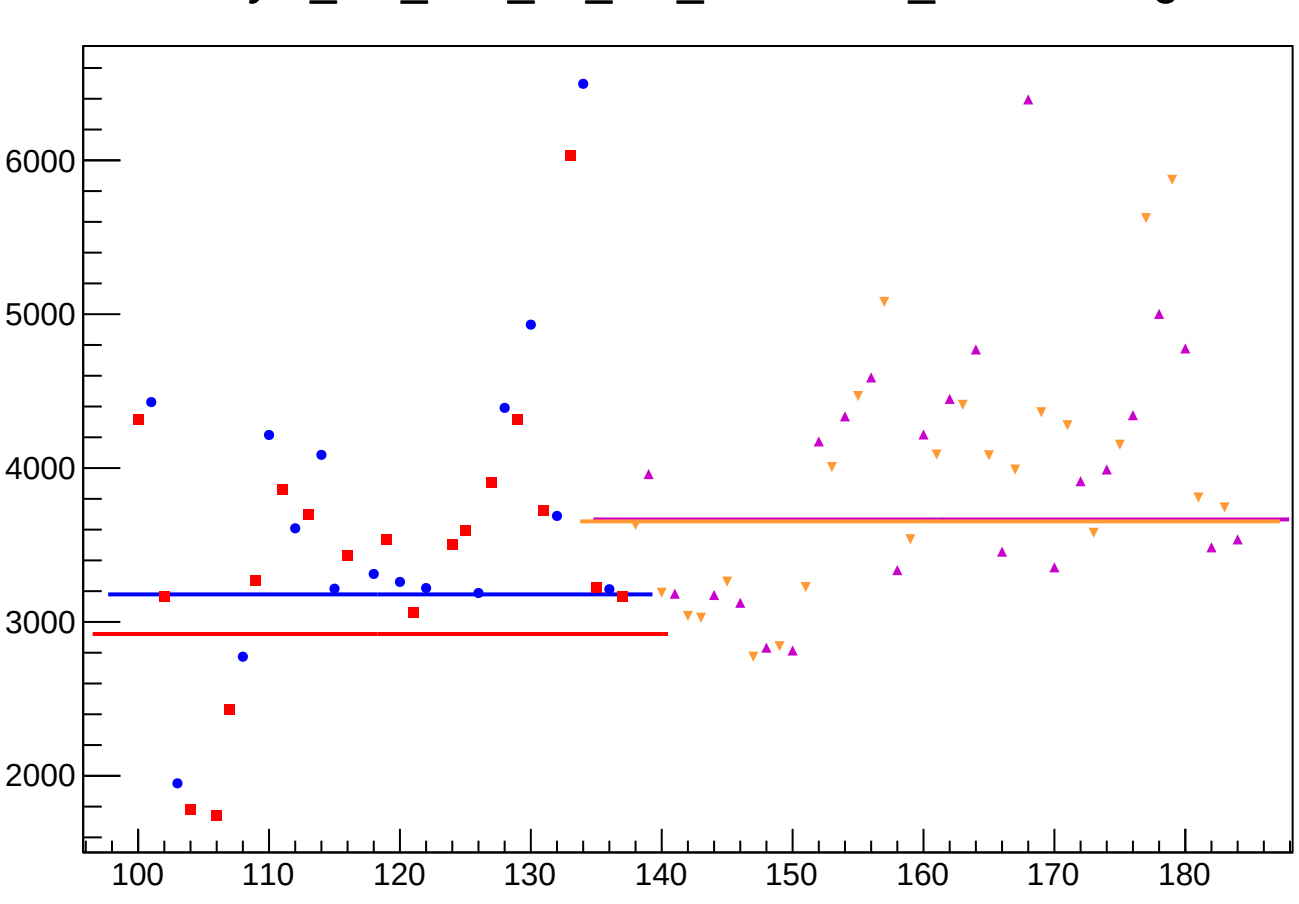
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 253.455+/-703.266 χ^2/NDF: 41.4/39

All: 110.332+/-493.890 χ^2/NDF: 72.5/81

- sign -28.949+/-693.762 χ^2/NDF: 31.0/41



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

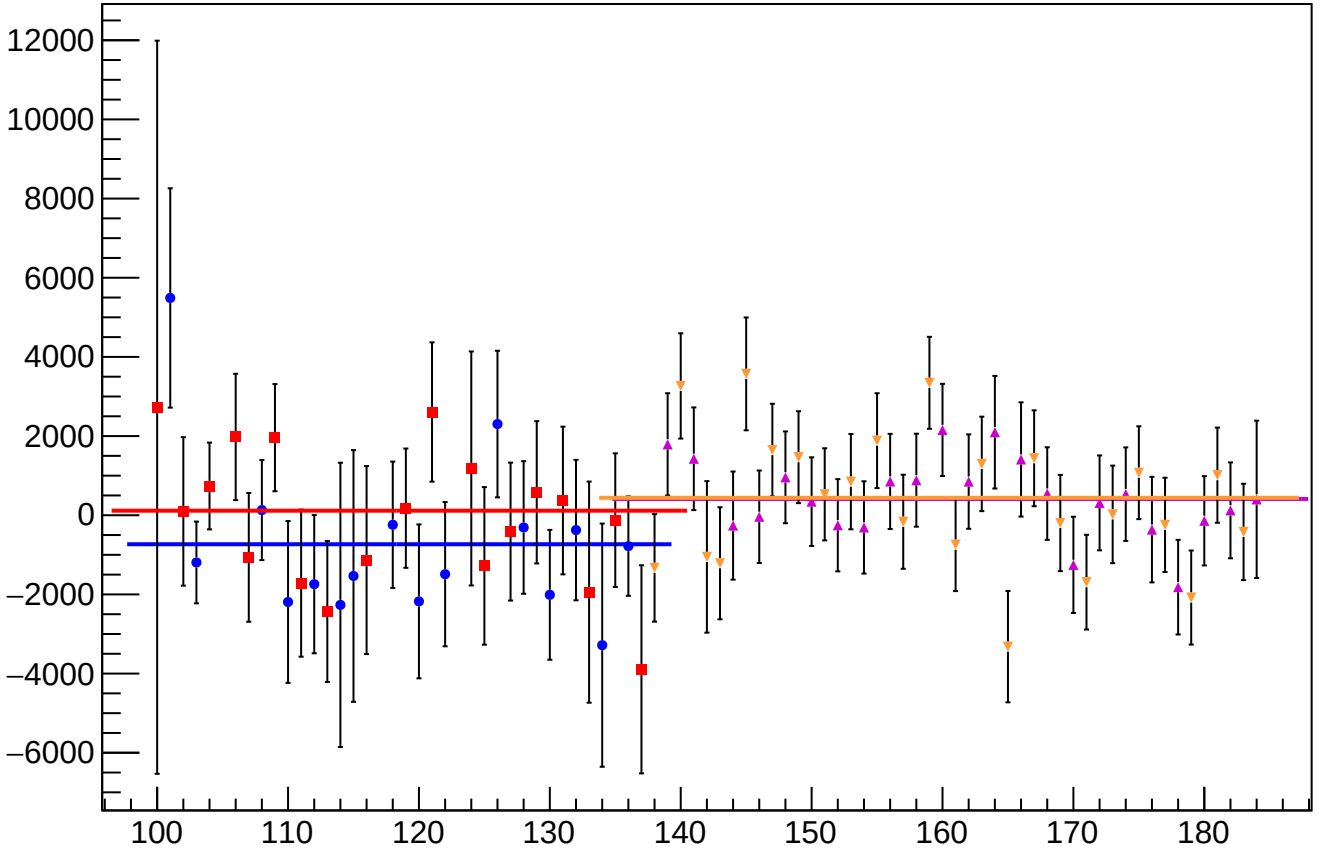
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3499.103+/-0.497 χ^2/NDF: 2602731.6/39

All: 3443.493+/-0.349 χ^2/NDF: 5821878.4/81

- sign 3389.377+/-0.491 χ^2/NDF: 3194472.4/41

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

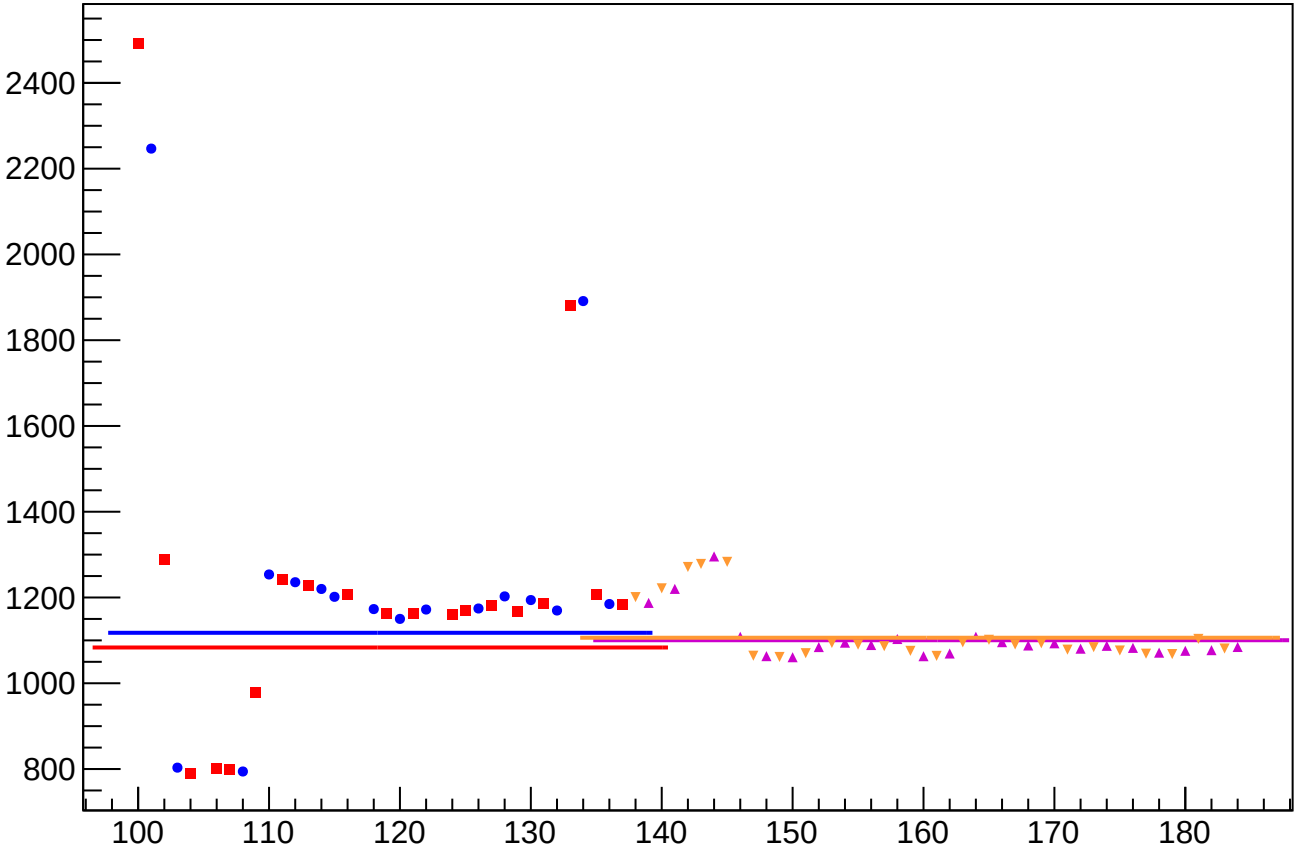
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 135.237+/-217.953 χ^2/NDF: 59.0/39

All: 231.574+/-154.166 χ^2/NDF: 86.5/81

- sign 328.035+/-218.094 χ^2/NDF: 27.2/41

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

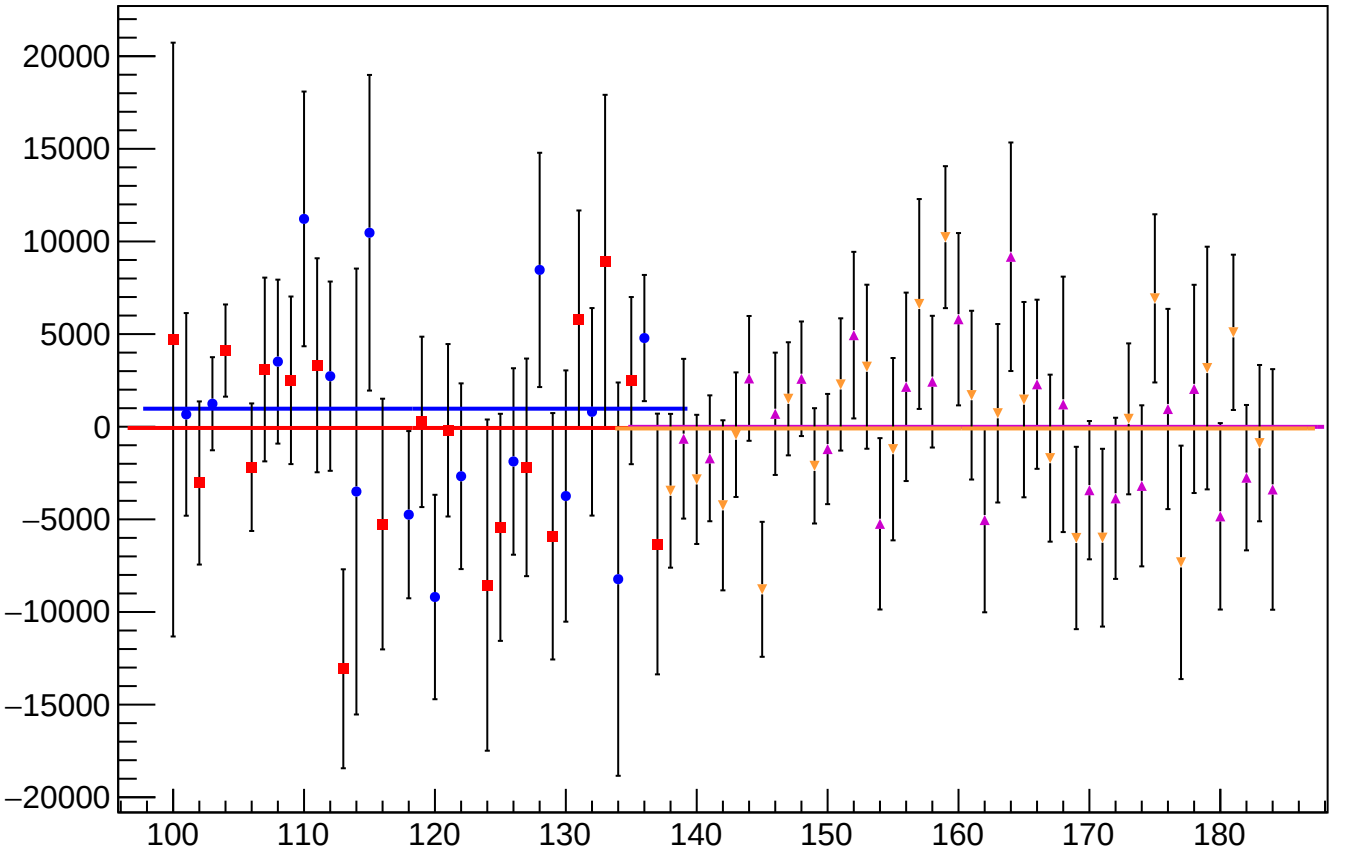
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1109.142+/-0.154 χ^2/NDF: 942111.0/39

All: 1102.362+/-0.109 χ^2/NDF: 1623680.7/81

- sign 1095.580+/-0.154 χ^2/NDF: 677698.4/41



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -93.789+/-856.259 χ^2/NDF:27.1/23

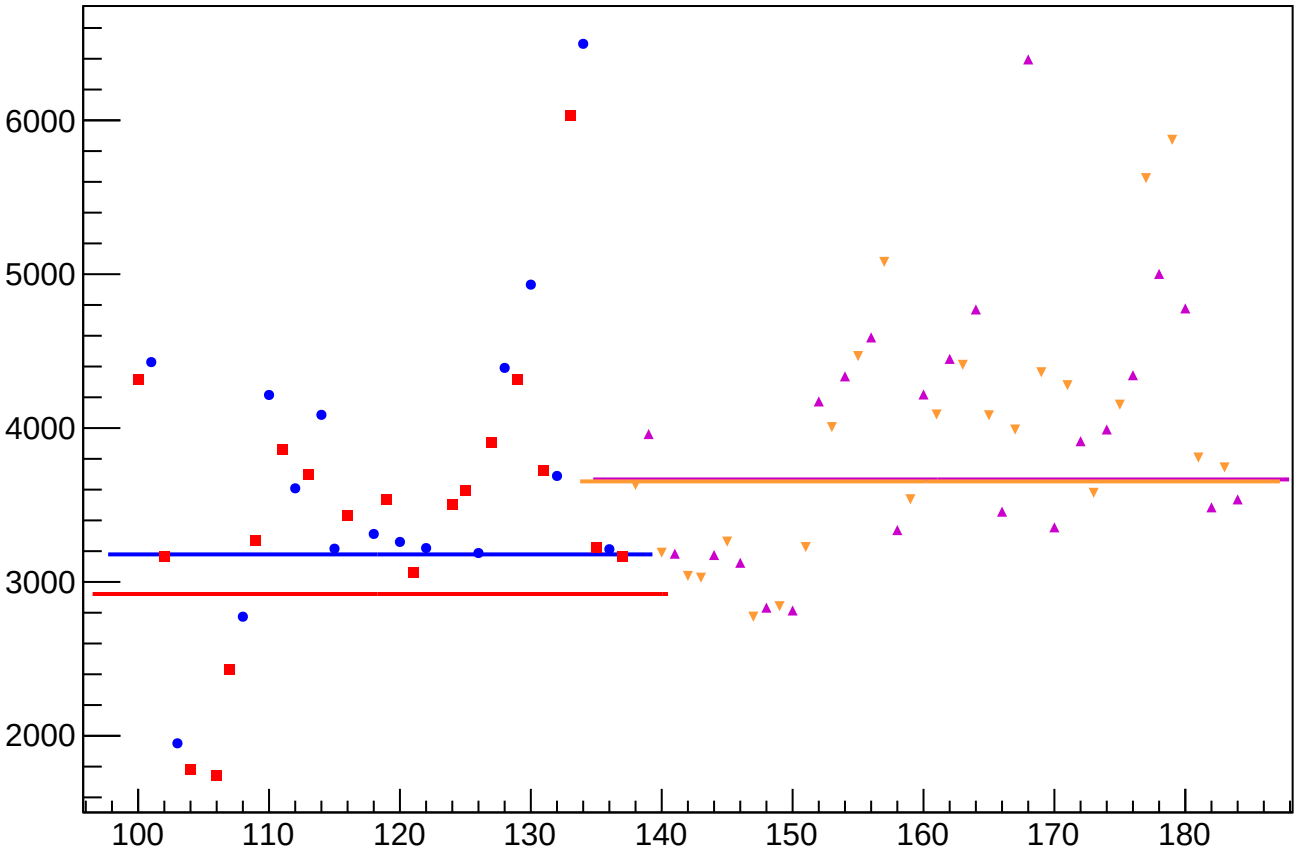
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 253.455+/-703.266 χ^2/NDF: 41.4/39

All: 110.332+/-493.890 χ^2/NDF: 72.5/81

- sign -28.949+/-693.762 χ^2/NDF: 31.0/41



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

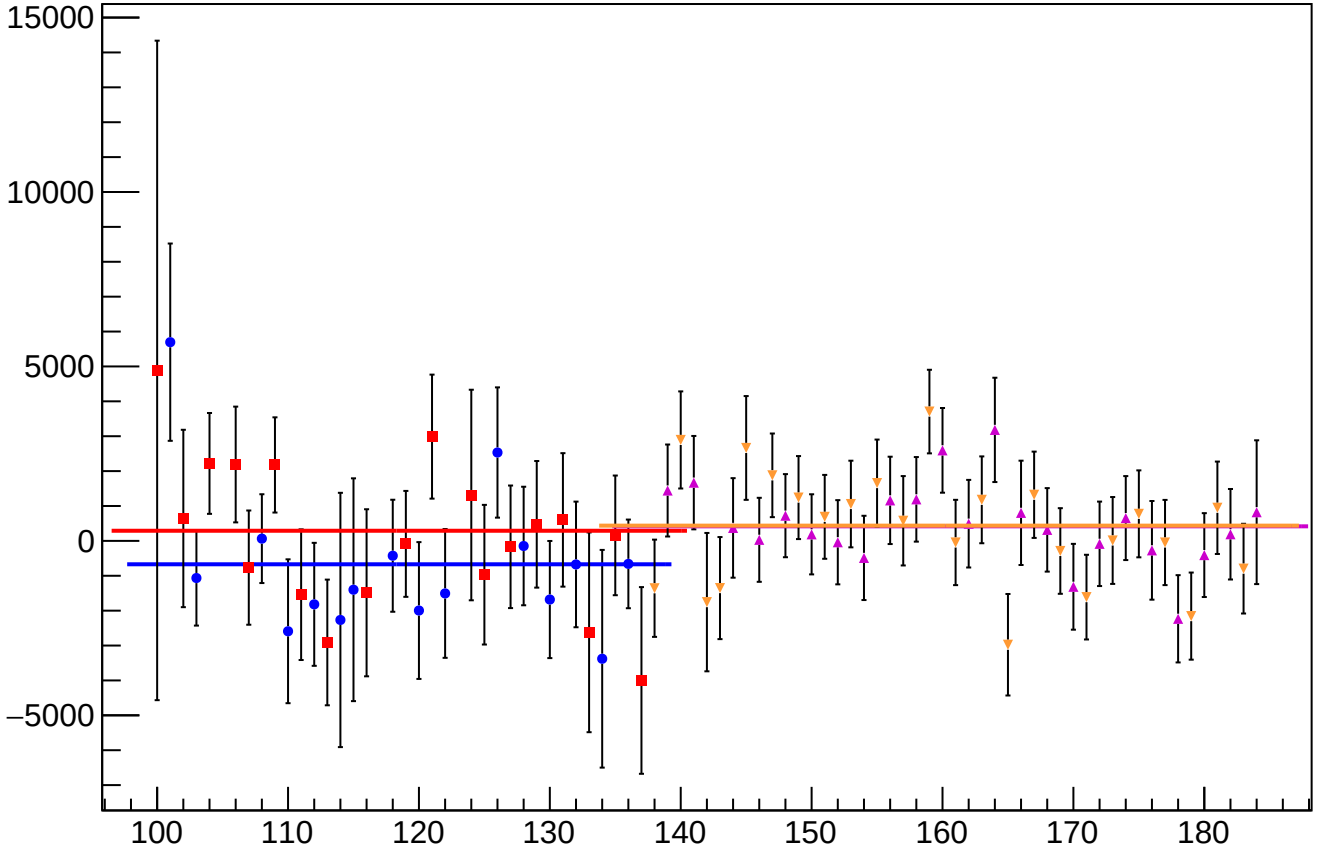
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3499.103+/-0.497 χ^2/NDF: 2602731.6/39

All: 3443.493+/-0.349 χ^2/NDF: 5821878.4/81

- sign 3389.377+/-0.491 χ^2/NDF: 3194472.4/41

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

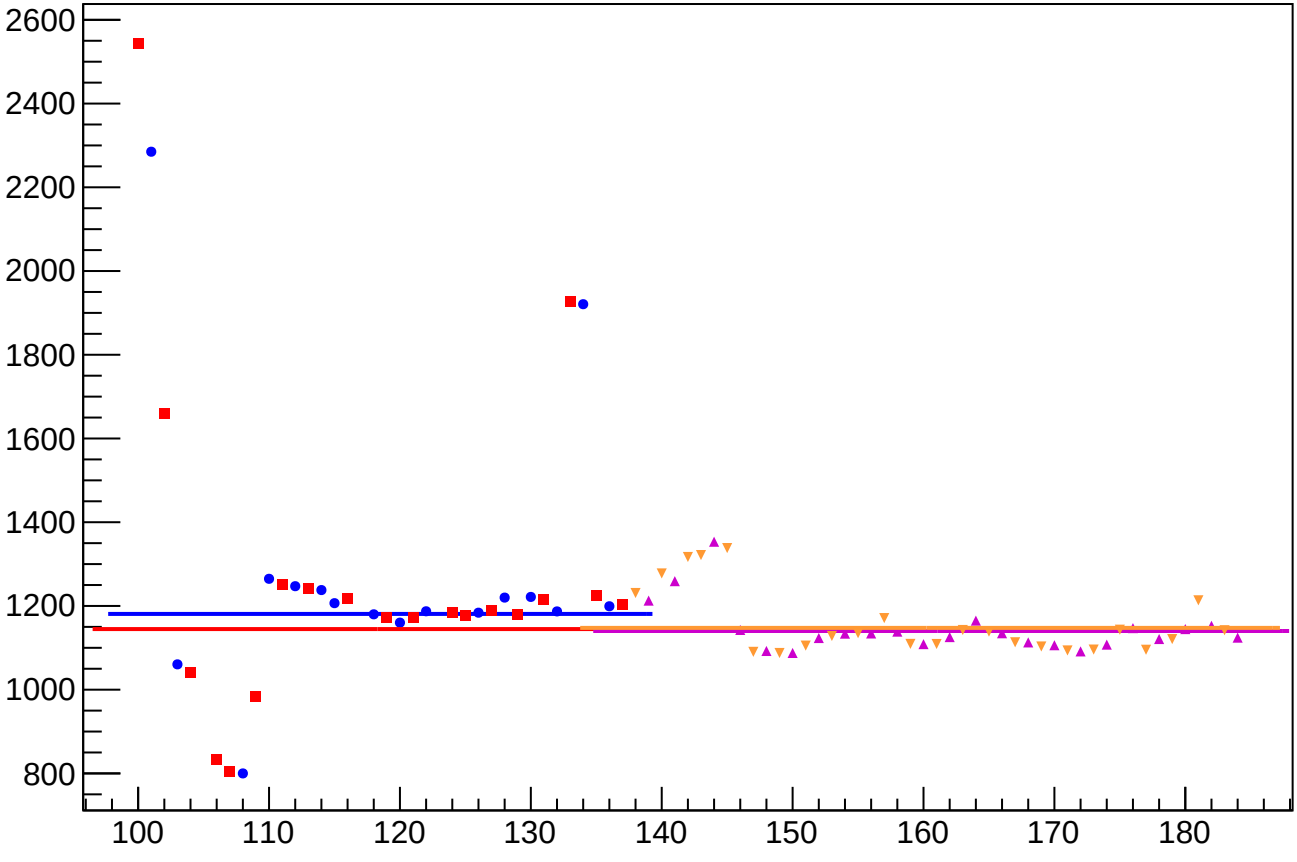
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

\+ sign 153.479+/-226.870 χ^2/NDF: 52.2/39

All: 267.812+/-160.543 χ^2/NDF: 87.0/81

\- sign 382.491+/-227.213 χ^2/NDF: 34.3/41

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

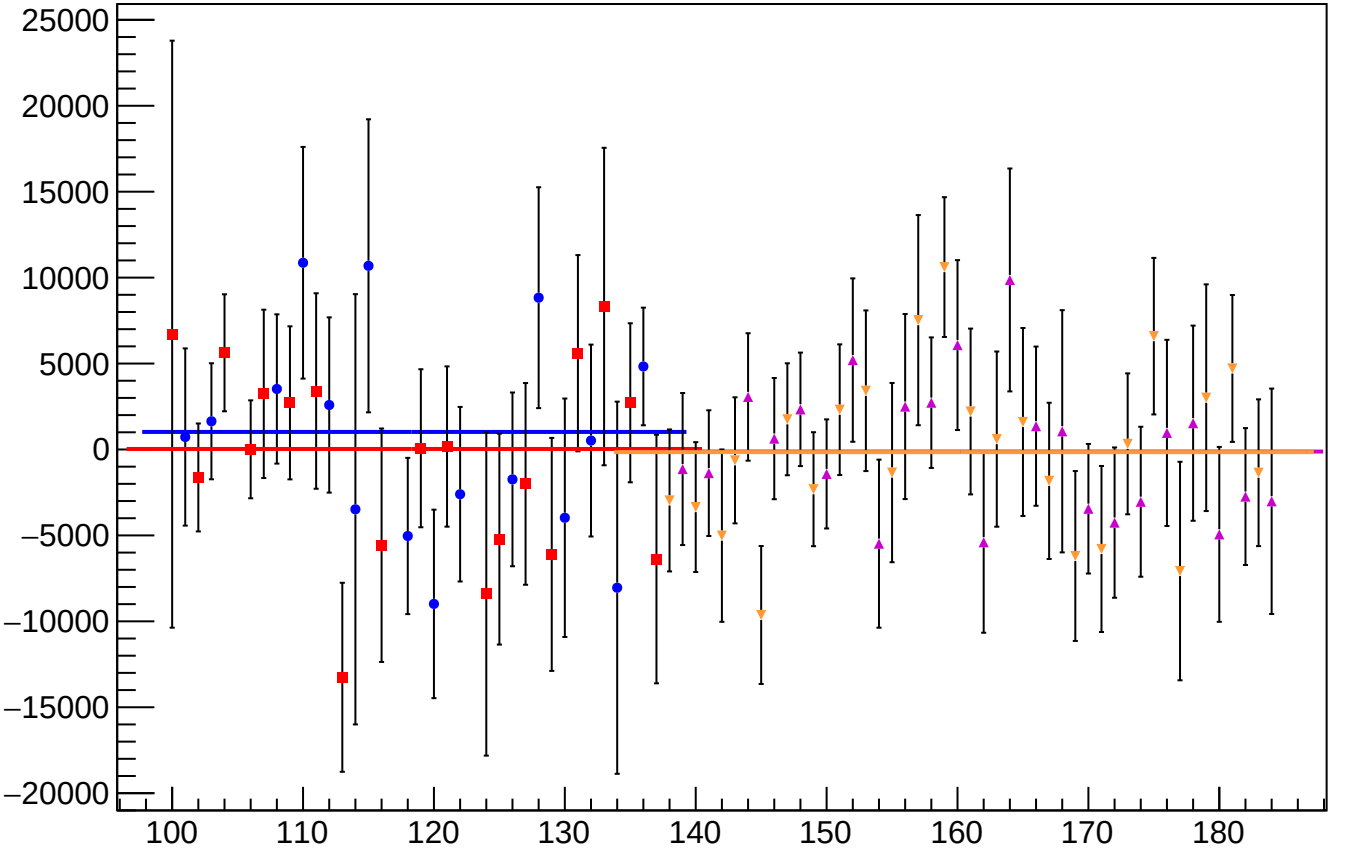
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1156.142+/-0.160 χ^2/NDF: 769219.8/39

All: 1148.796+/-0.114 χ^2/NDF: 1356051.4/81

- sign 1141.430+/-0.161 χ^2/NDF: 582631.7/41

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

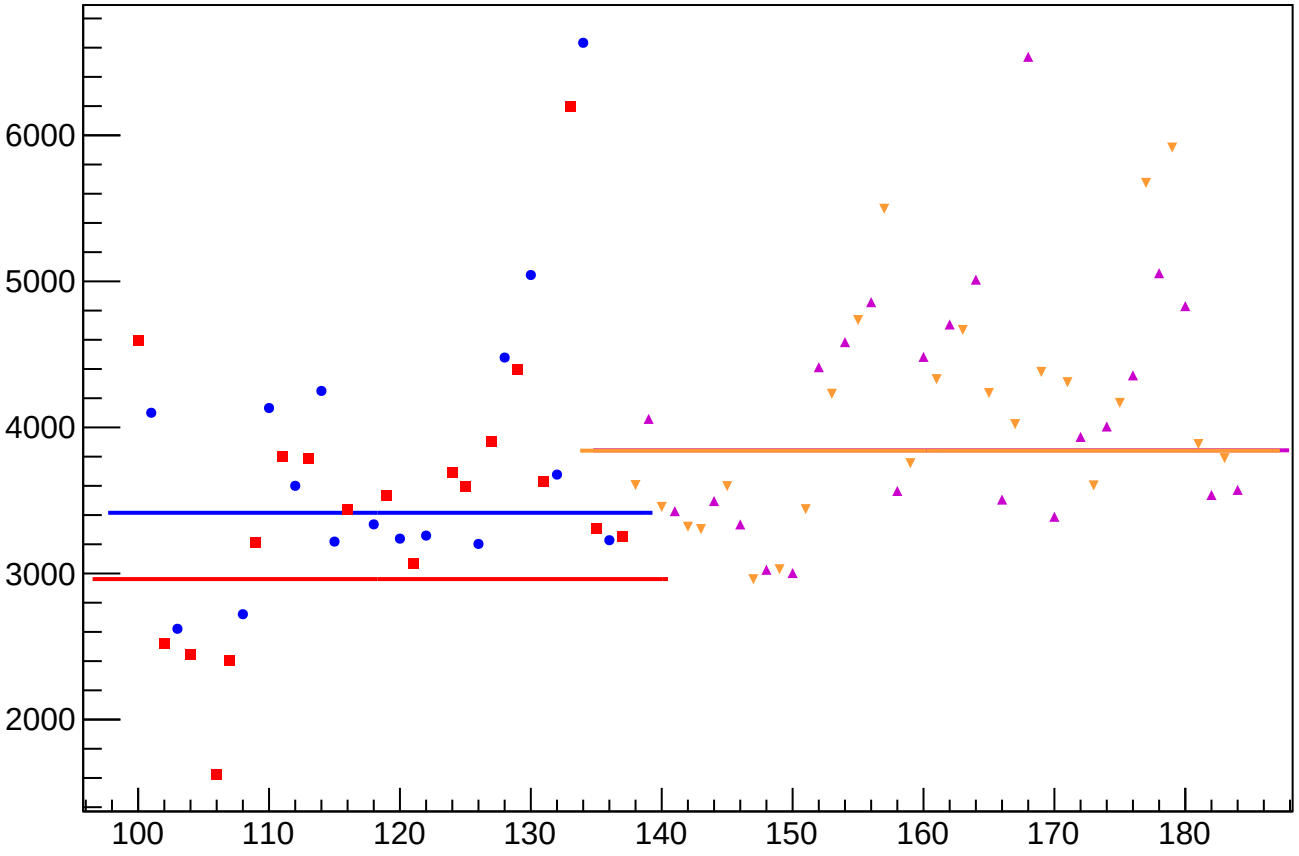
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 224.623+/-739.126 χ^2/NDF: 40.9/39

All: 76.311+/-512.642 χ^2/NDF: 70.9/81

- sign -61.170+/-711.626 χ^2/NDF: 29.9/41

asym_usr_atr2_dd_dit_correction_rms vs Slug



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

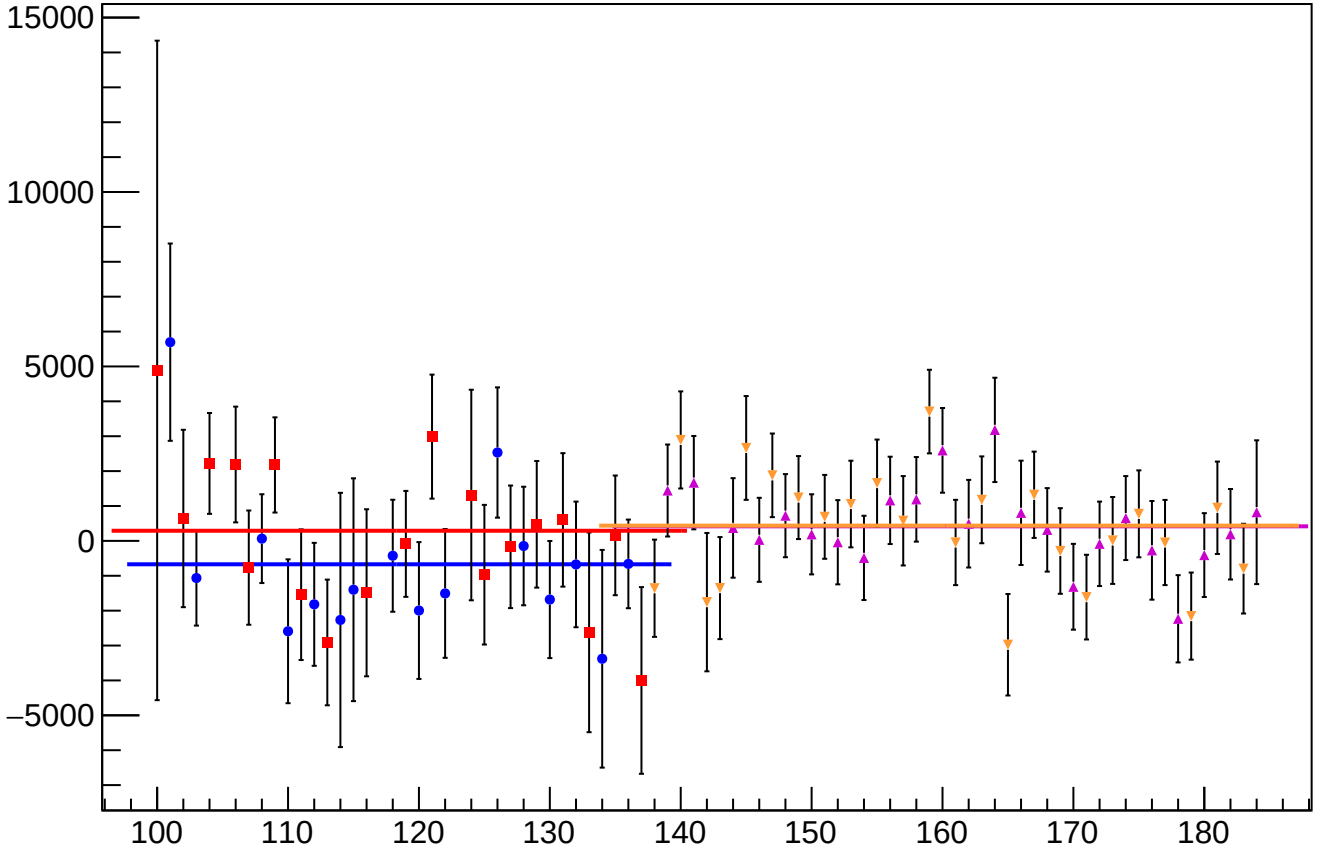
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

\+ sign 3703.981+/-0.523 χ^2/NDF: 1855641.9/39

All: 3595.103+/-0.362 χ^2/NDF: 5038692.3/81

\- sign 3494.177+/-0.503 χ^2/NDF: 3099423.8/41

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

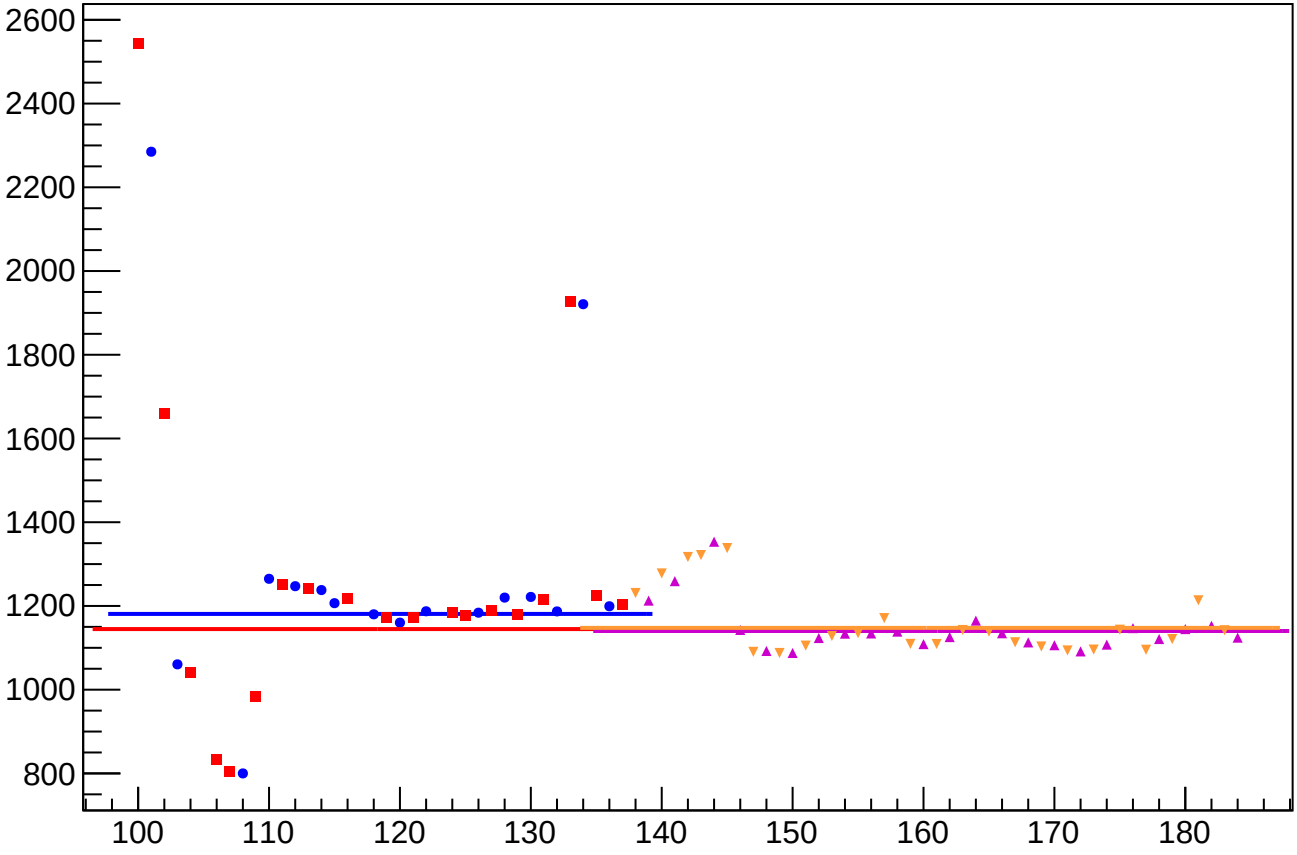
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

\+ sign 153.481+/-226.870 χ^2/NDF: 52.2/39

All: 267.813+/-160.543 χ^2/NDF: 87.0/81

\- sign 382.492+/-227.214 χ^2/NDF: 34.3/41

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

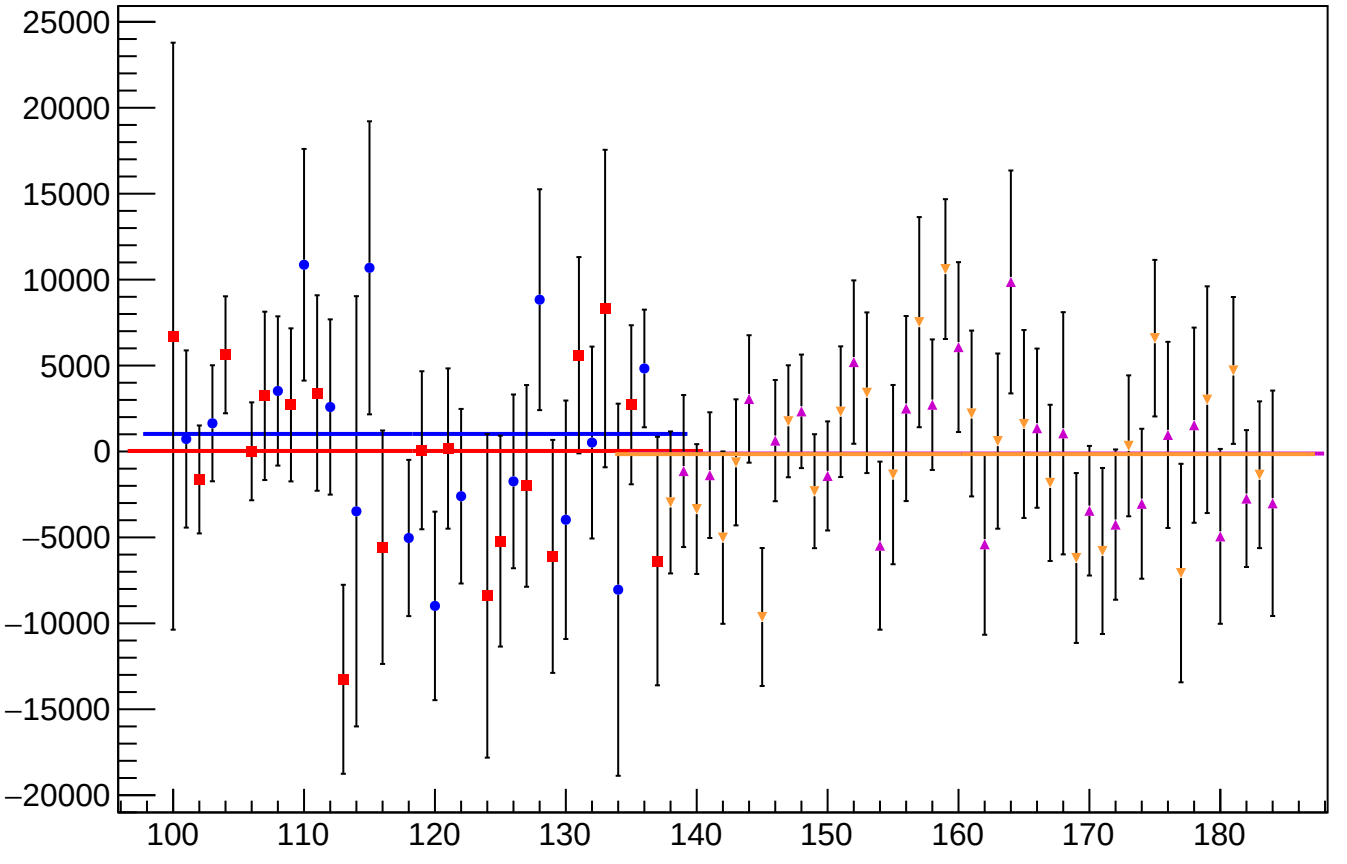
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1156.143+/-0.160 χ^2/NDF: 769219.8/39

All: 1148.797+/-0.114 χ^2/NDF: 1356050.6/81

- sign 1141.430+/-0.161 χ^2/NDF: 582631.0/41



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -153.712+/-897.680 χ^2/NDF:26.5/23

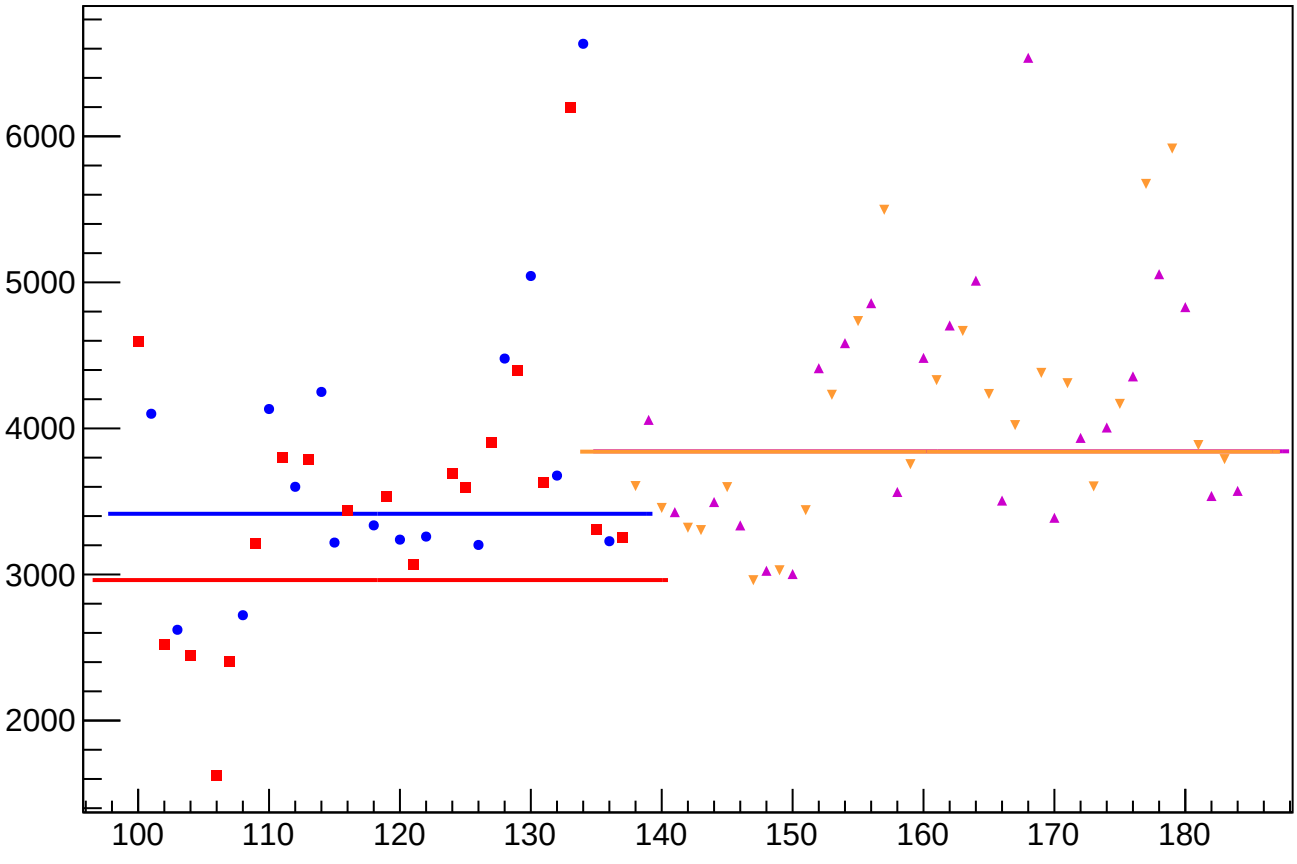
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 224.619+/-739.127 χ^2/NDF: 40.9/39

All: 76.309+/-512.642 χ^2/NDF: 70.9/81

- sign -61.169+/-711.626 χ^2/NDF: 29.9/41



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

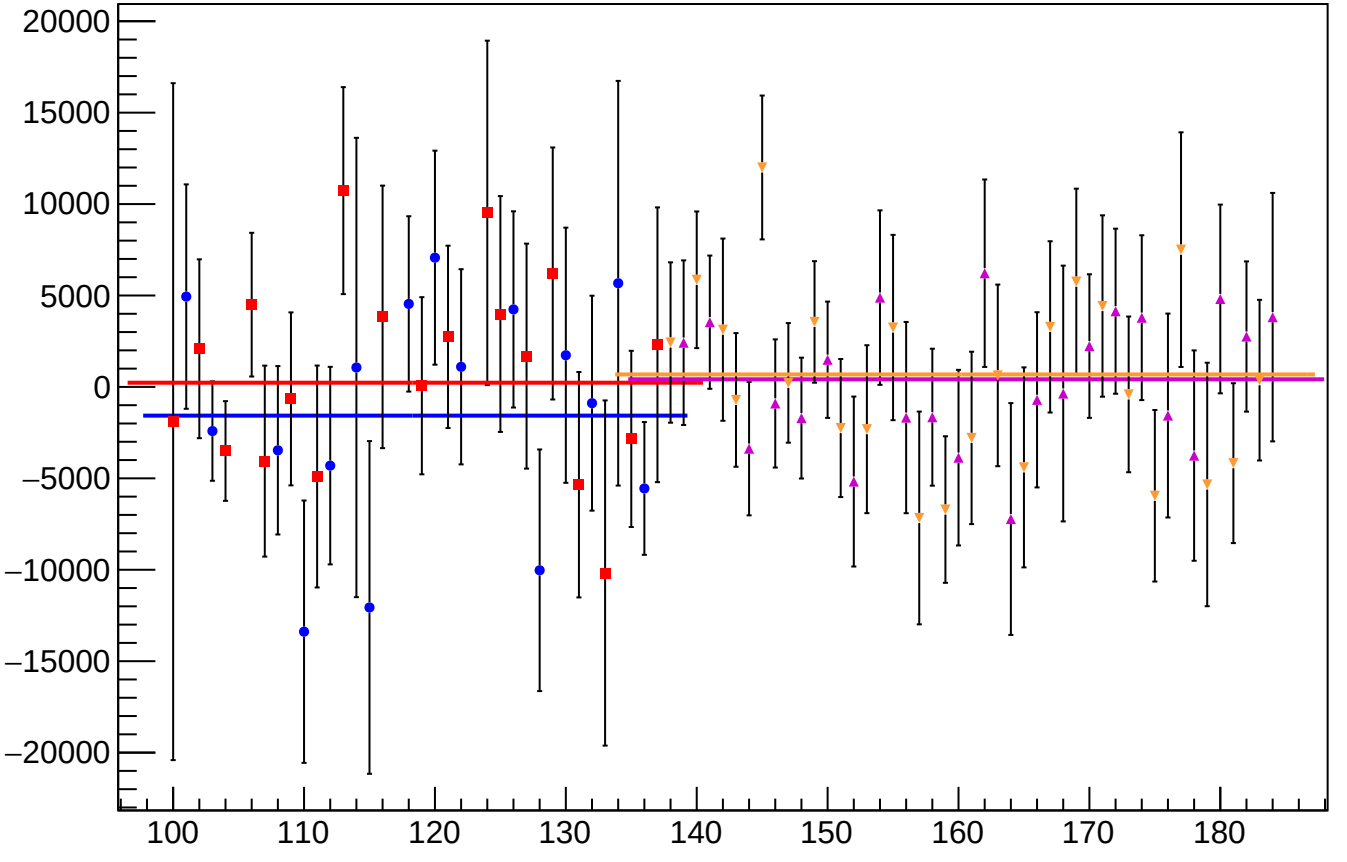
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3703.983+/-0.523 χ^2/NDF: 1855644.7/39

All: 3595.104+/-0.362 χ^2/NDF: 5038717.5/81

- sign 3494.177+/-0.503 χ^2/NDF: 3099444.5/41

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

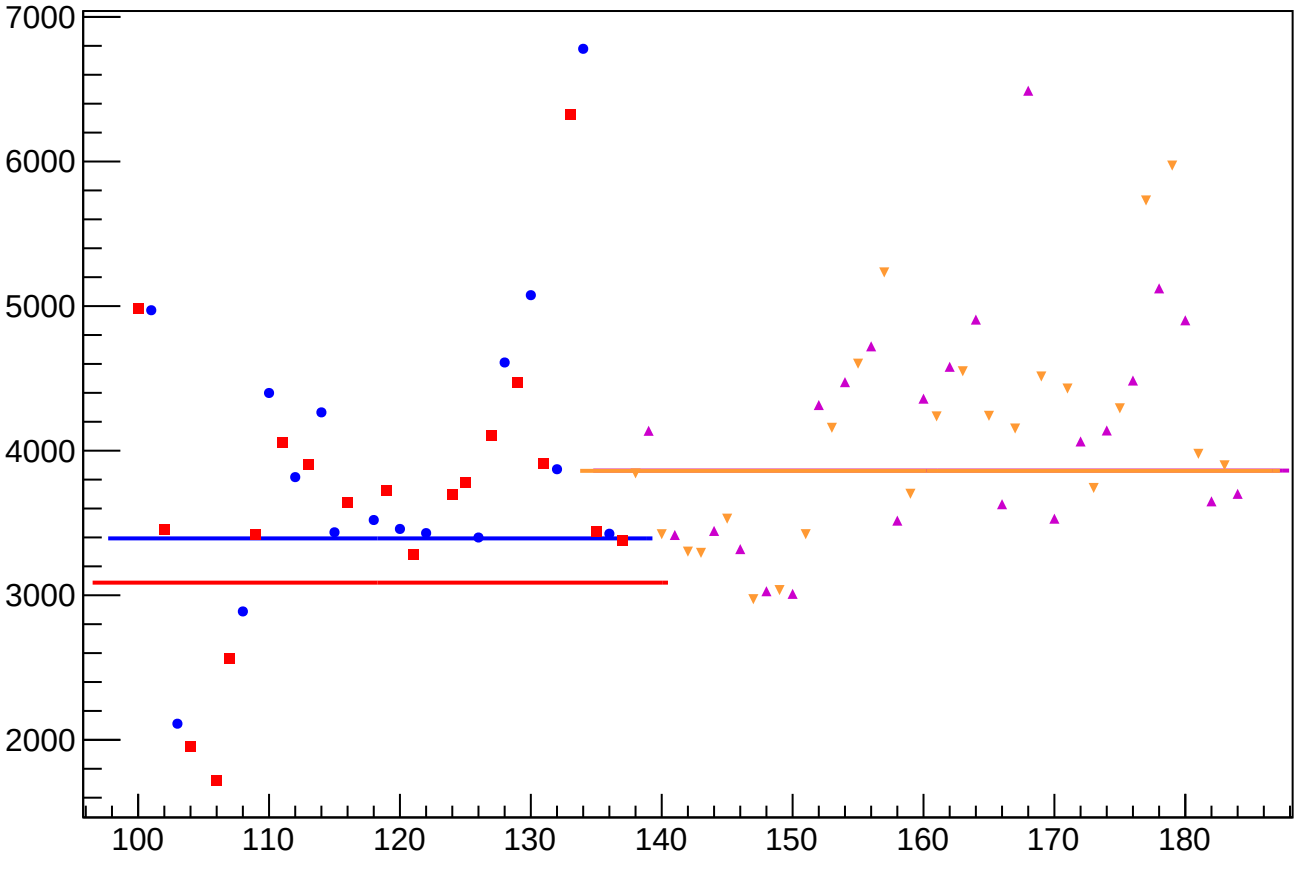
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign -37.958+/-743.008 χ^2/NDF: 43.0/39

All: 158.070+/-522.526 χ^2/NDF: 68.9/81

- sign 349.888+/-734.984 χ^2/NDF: 25.7/41

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

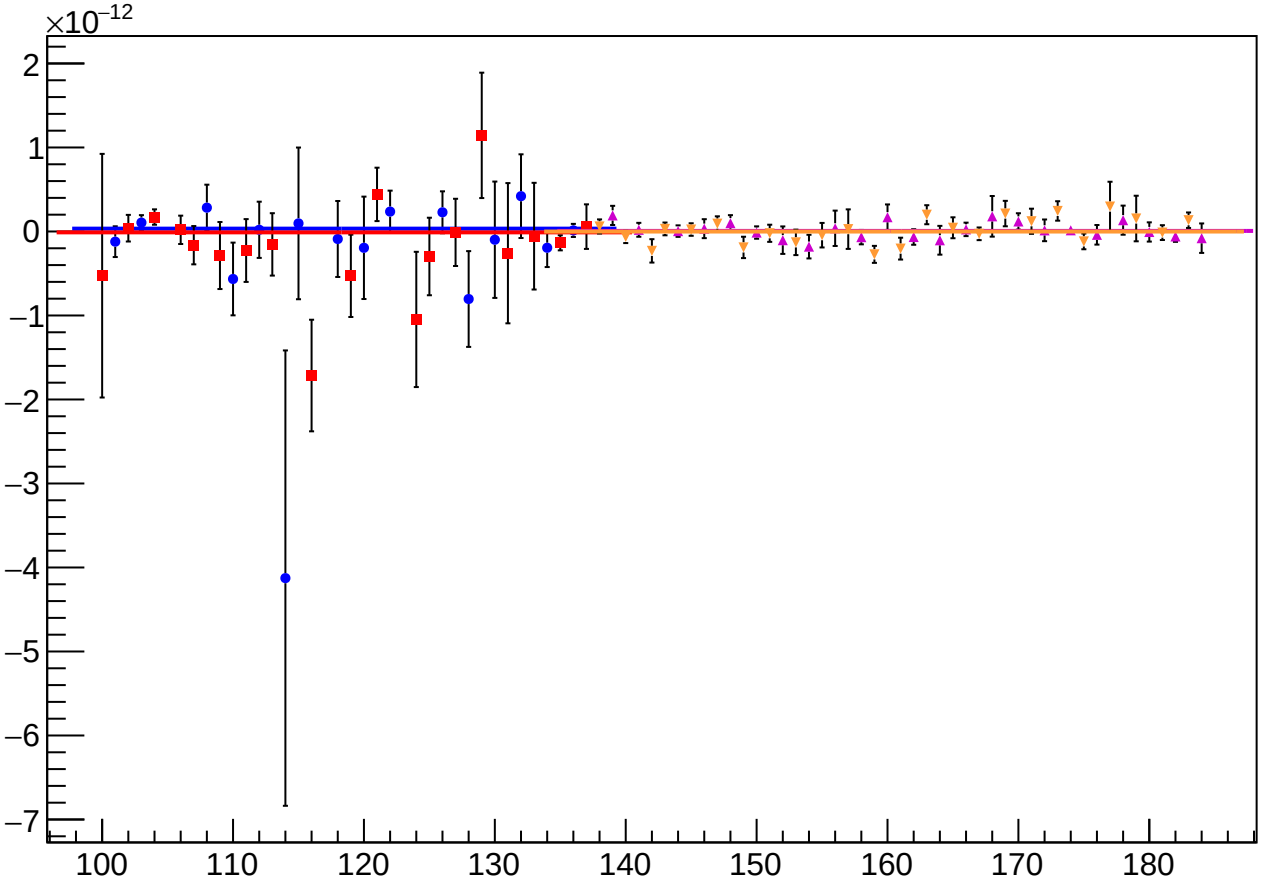
Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3710.957+/-0.525 χ^2/NDF: 2318161.4/39

All: 3642.822+/-0.368 χ^2/NDF: 5345524.4/81

- sign 3576.966+/-0.517 χ^2/NDF: 2994288.6/41

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/23

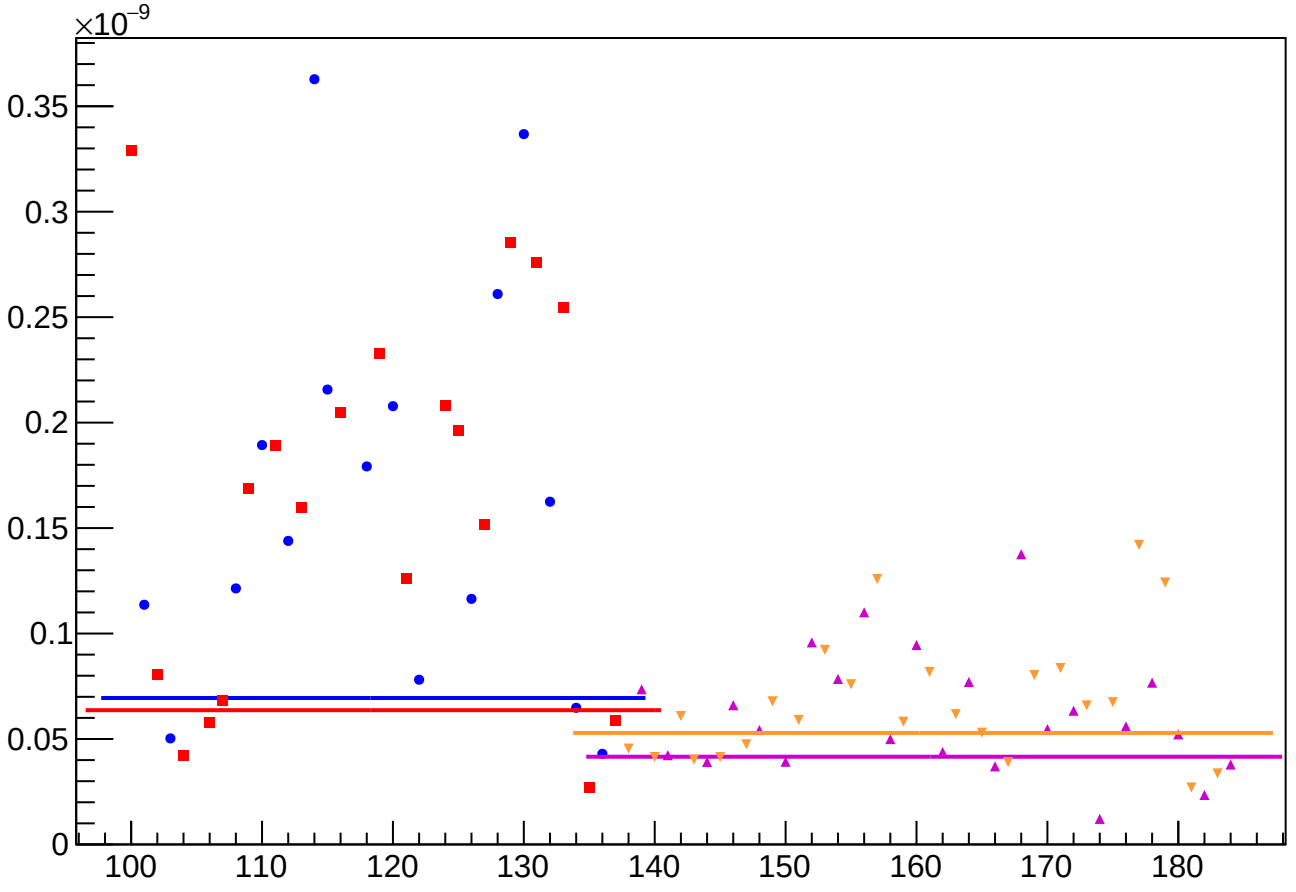
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/39

All: 0.000+/-0.000 χ^2/NDF: 80.9/81

- sign 0.000+/-0.000 χ^2/NDF: 34.8/41



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

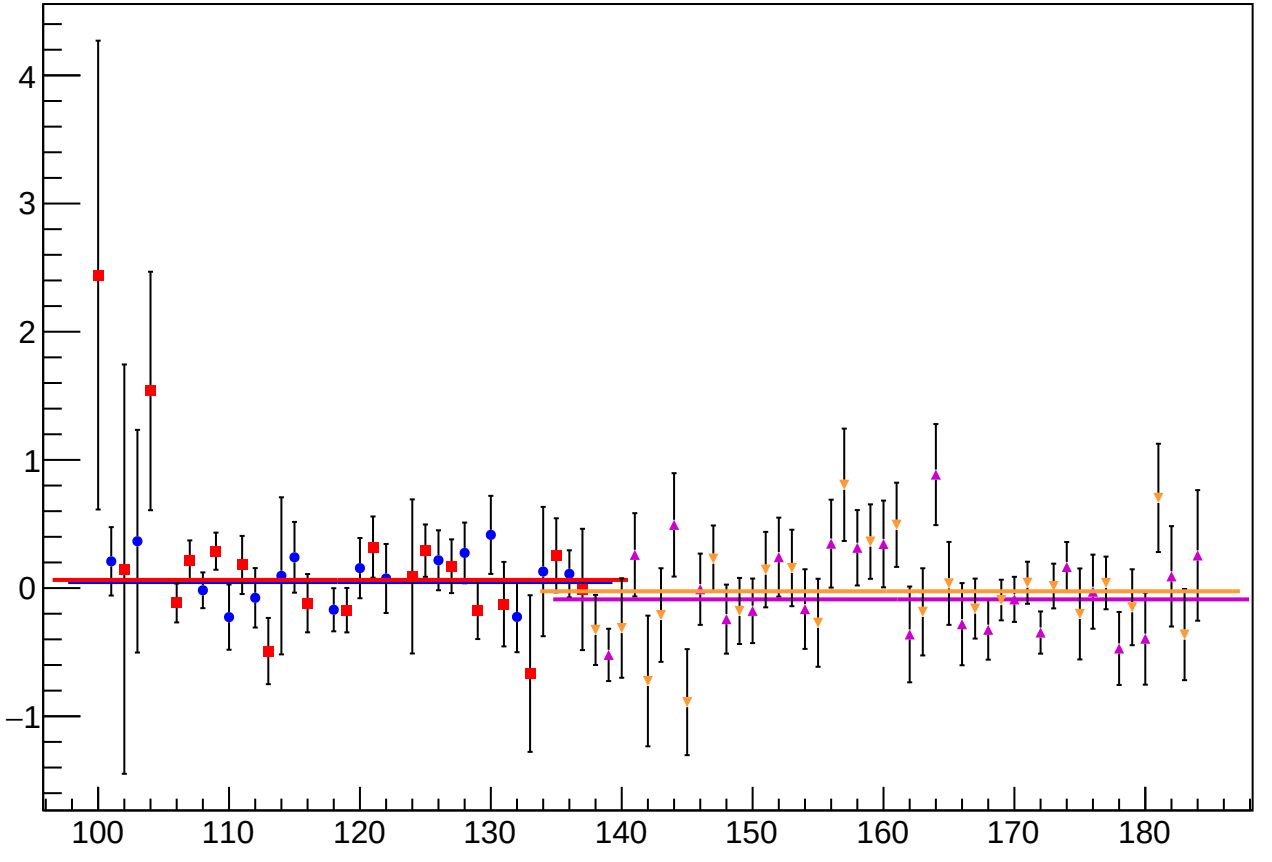
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3503528.2/39

All: 0.000+/-0.000 χ^2/NDF: 9375558.5/81

- sign 0.000+/-0.000 χ^2/NDF: 5533576.1/41

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

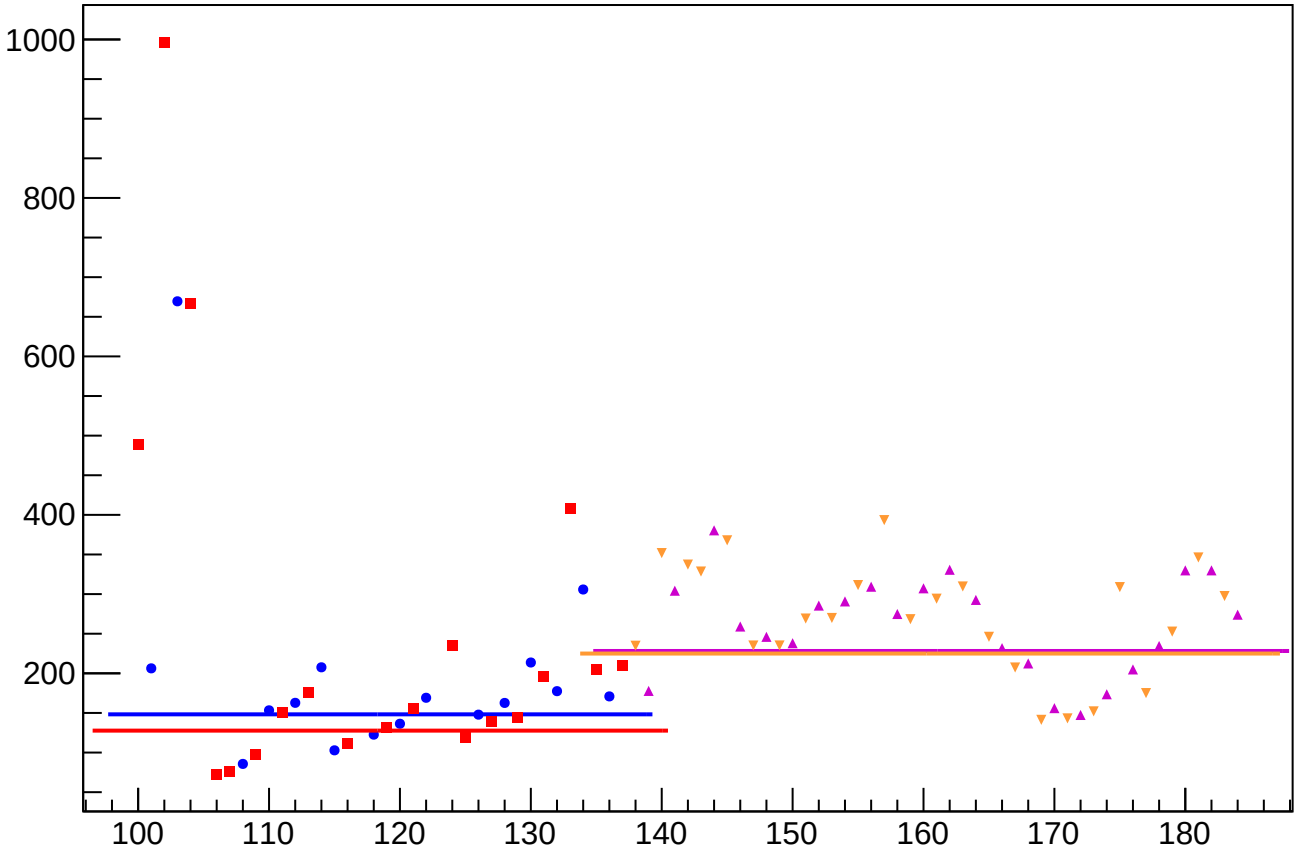
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.041 χ^2/NDF: 33.4/39

All: -0.001+/-0.028 χ^2/NDF: 89.5/81

- sign -0.009+/-0.039 χ^2/NDF: 56.0/41

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

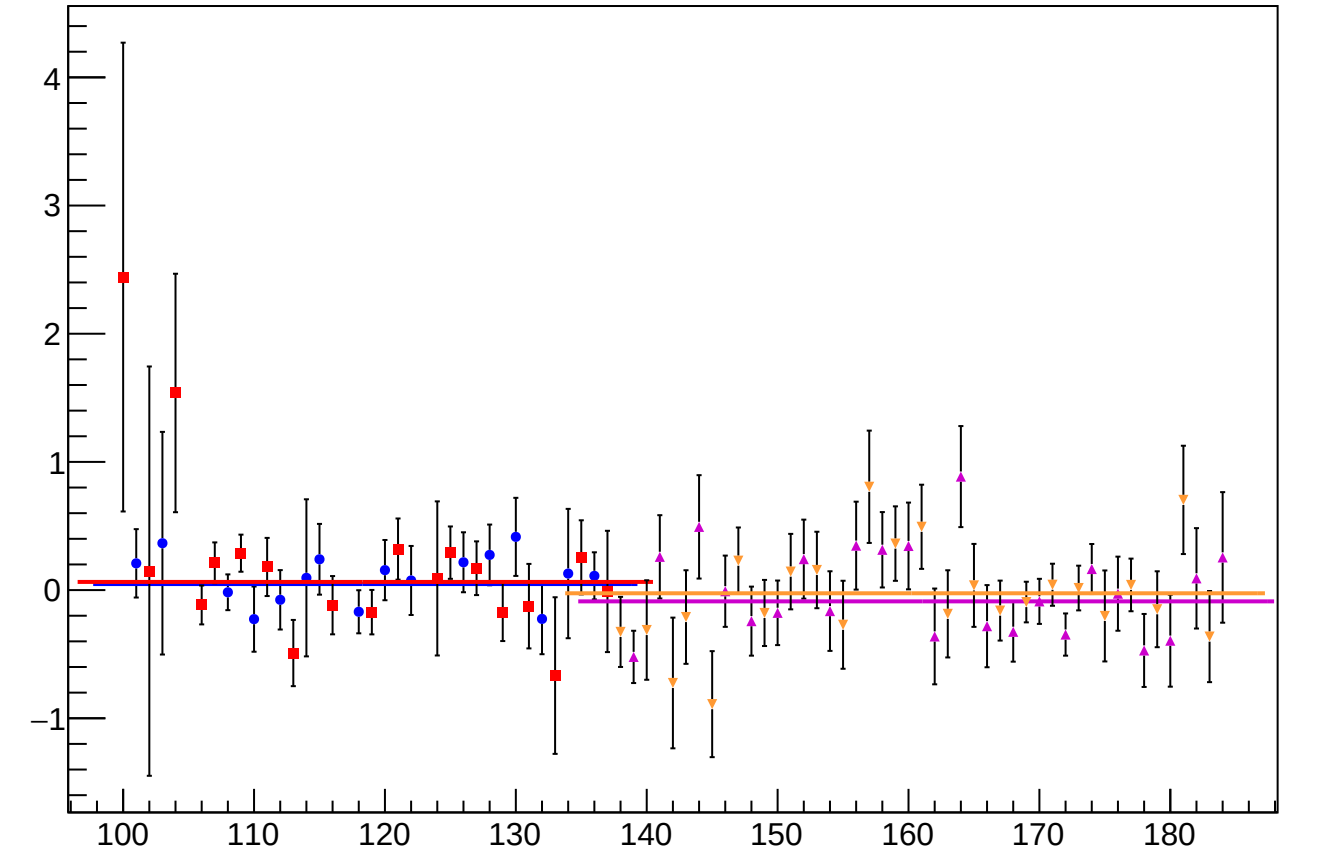
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.775+/-0.029 χ^2/NDF: 6888228.8/39

All: 182.737+/-0.020 χ^2/NDF: 15594837.5/81

- sign 176.145+/-0.028 χ^2/NDF: 8590514.2/41



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

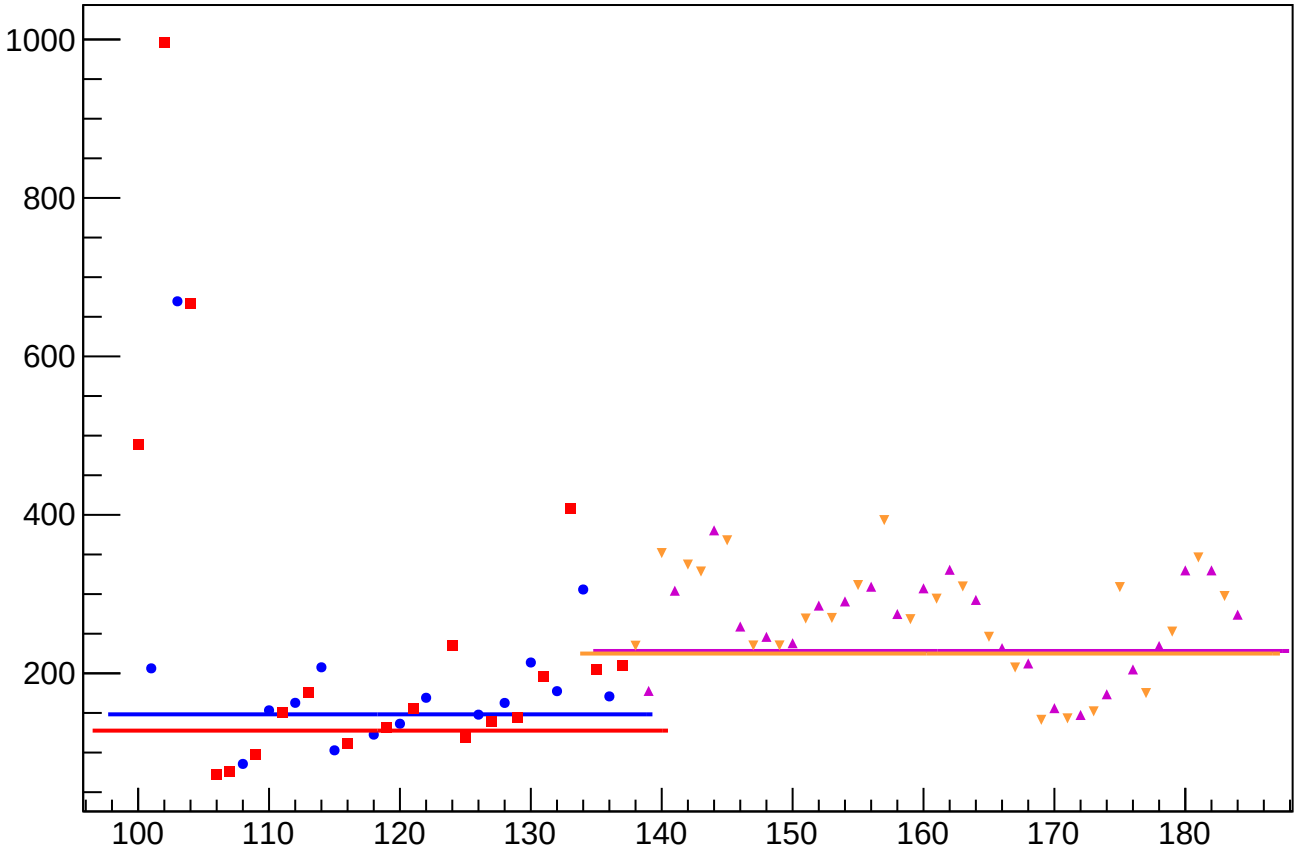
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.041 χ^2/NDF: 33.4/39

All: -0.001+/-0.028 χ^2/NDF: 89.5/81

- sign -0.009+/-0.039 χ^2/NDF: 56.0/41

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

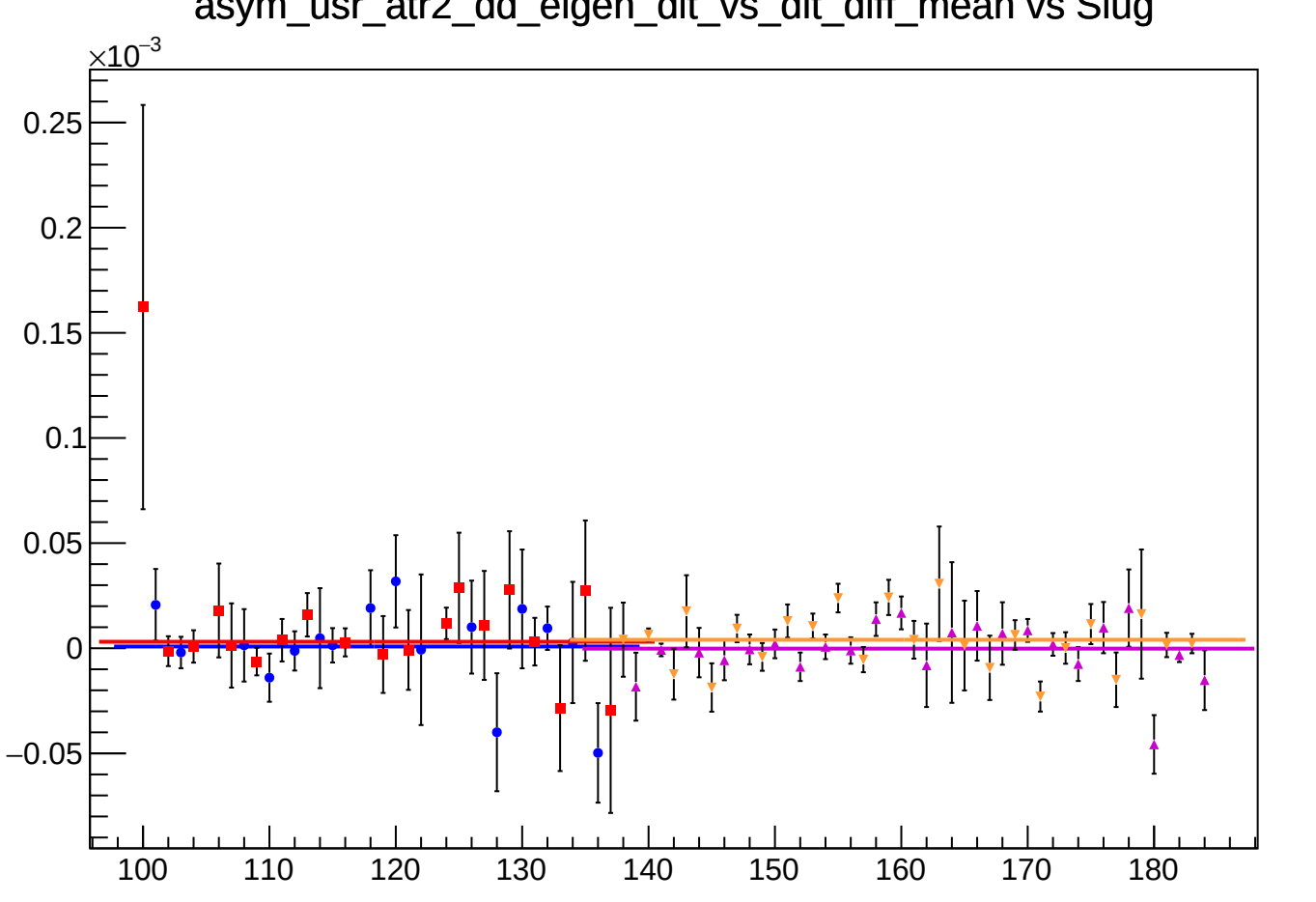
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.775+/-0.029 χ^2/NDF: 6888228.8/39

All: 182.737+/-0.020 χ^2/NDF: 15594837.5/81

- sign 176.145+/-0.028 χ^2/NDF: 8590514.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.0/23

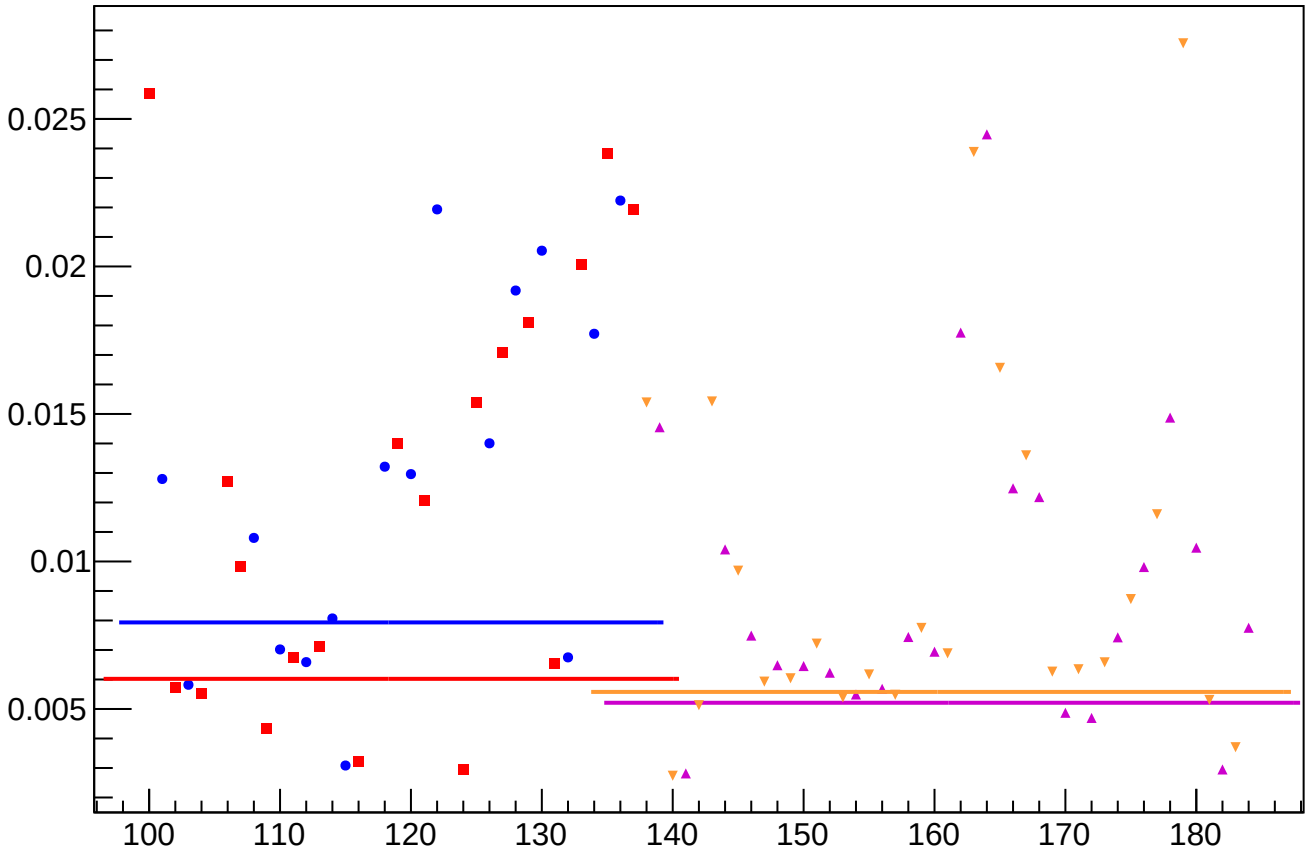
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.0/39

All: 0.000+/-0.000 χ^2/NDF: 109.5/81

- sign 0.000+/-0.000 χ^2/NDF: 43.9/41



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

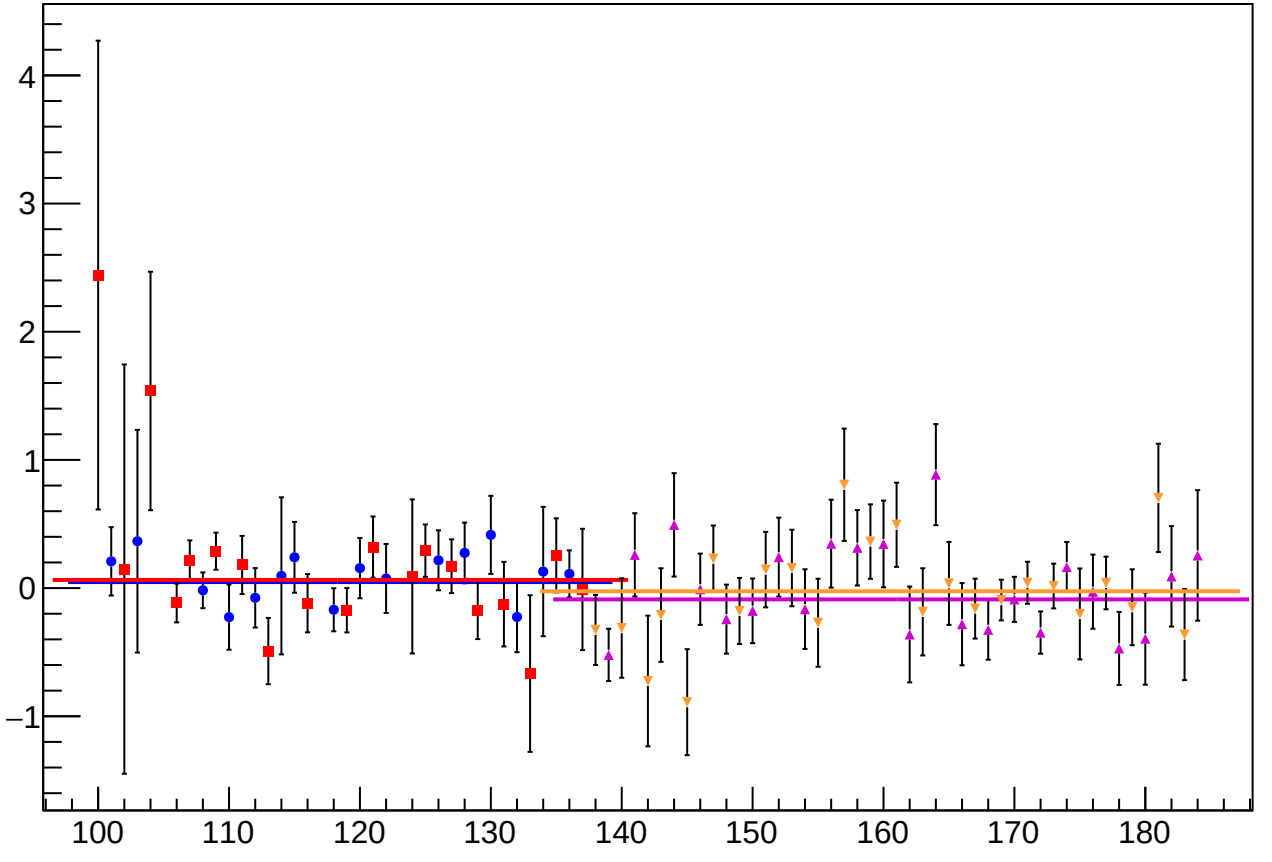
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 12072672.2/39

All: 0.006+/-0.000 χ^2/NDF: 23862226.7/81

- sign 0.005+/-0.000 χ^2/NDF: 11616277.0/41

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

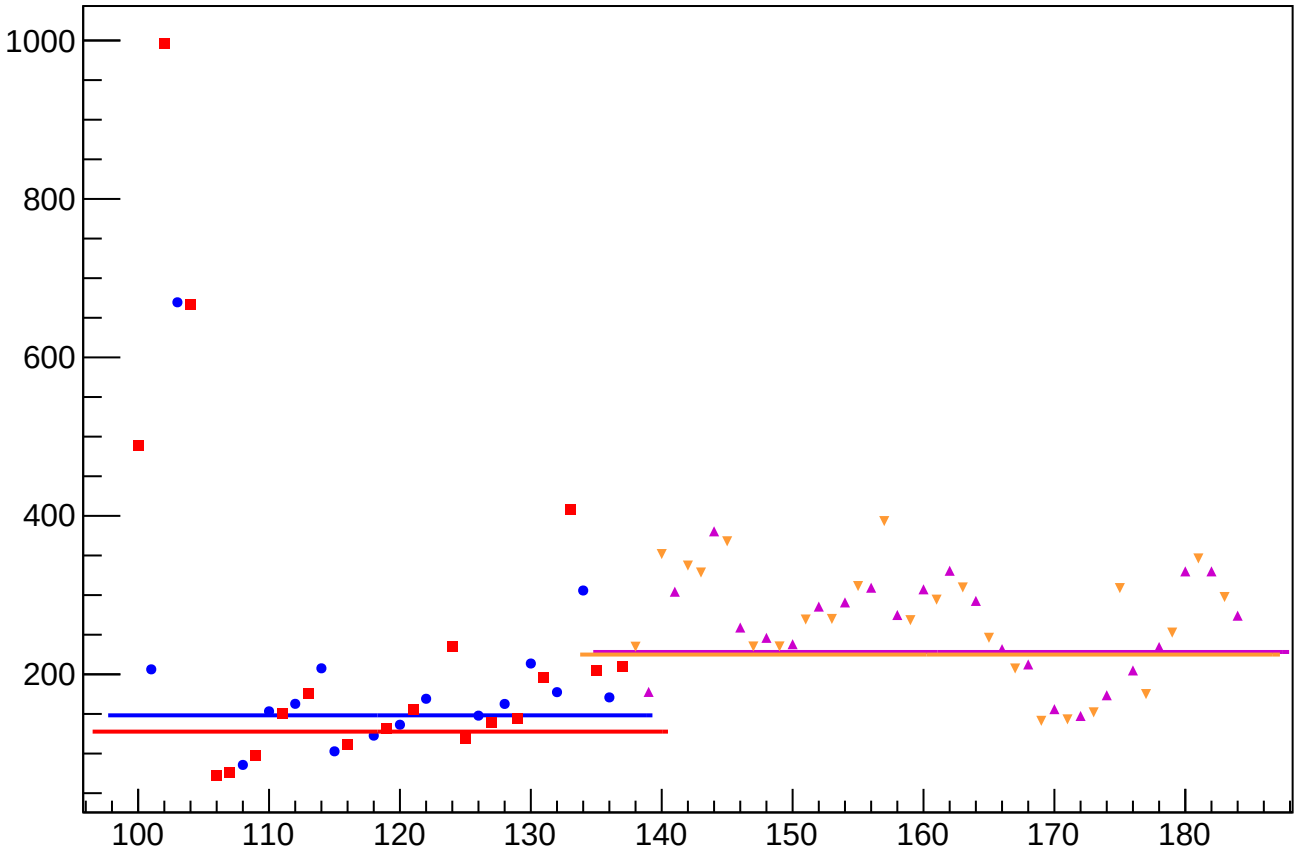
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.041 χ^2/NDF: 33.4/39

All: -0.001+/-0.028 χ^2/NDF: 89.5/81

- sign -0.009+/-0.039 χ^2/NDF: 56.0/41



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 224.952+/-0.039 χ^2/NDF:3409937.5/23

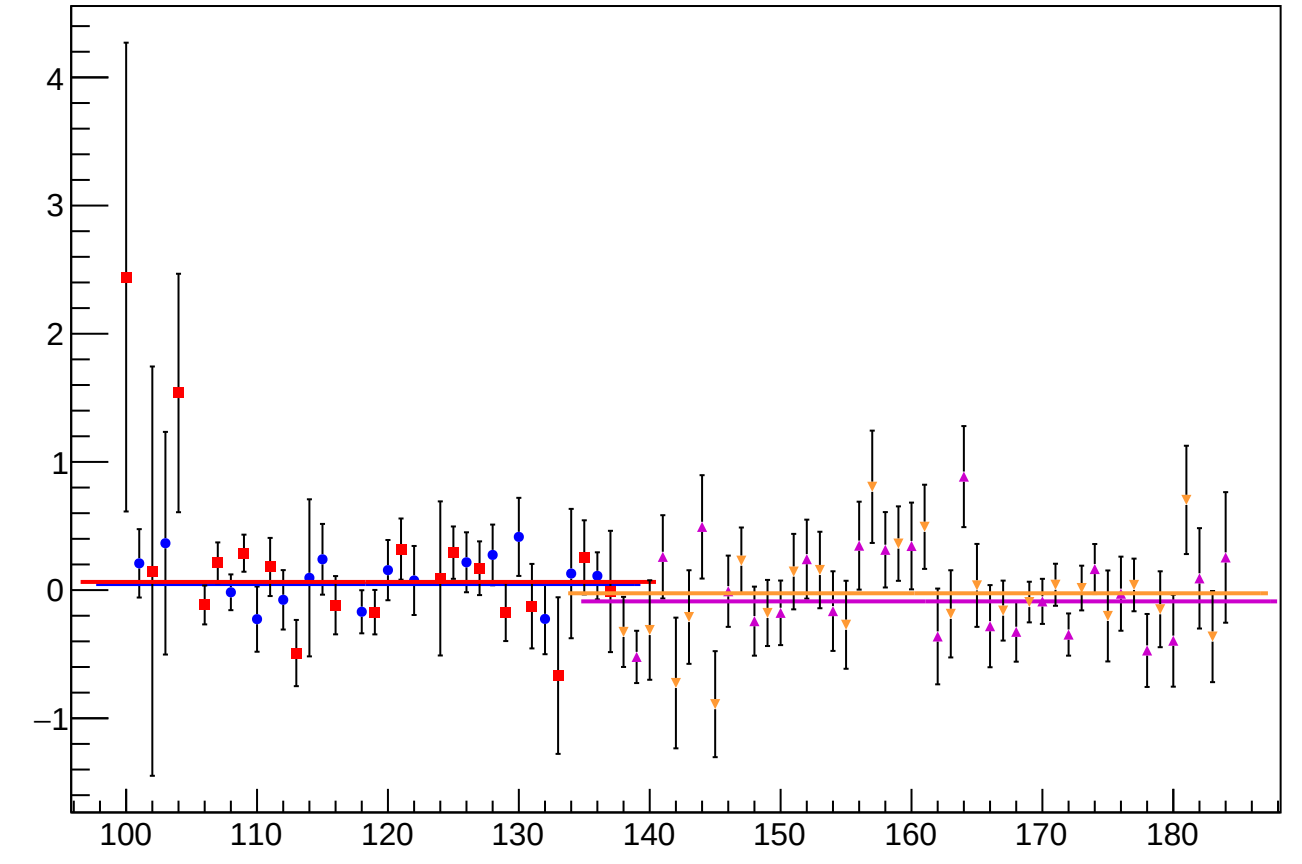
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.773+/-0.029 χ^2/NDF: 6888589.1/39

All: 182.737+/-0.020 χ^2/NDF: 15595269.7/81

- sign 176.146+/-0.028 χ^2/NDF: 8590615.0/41



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/23

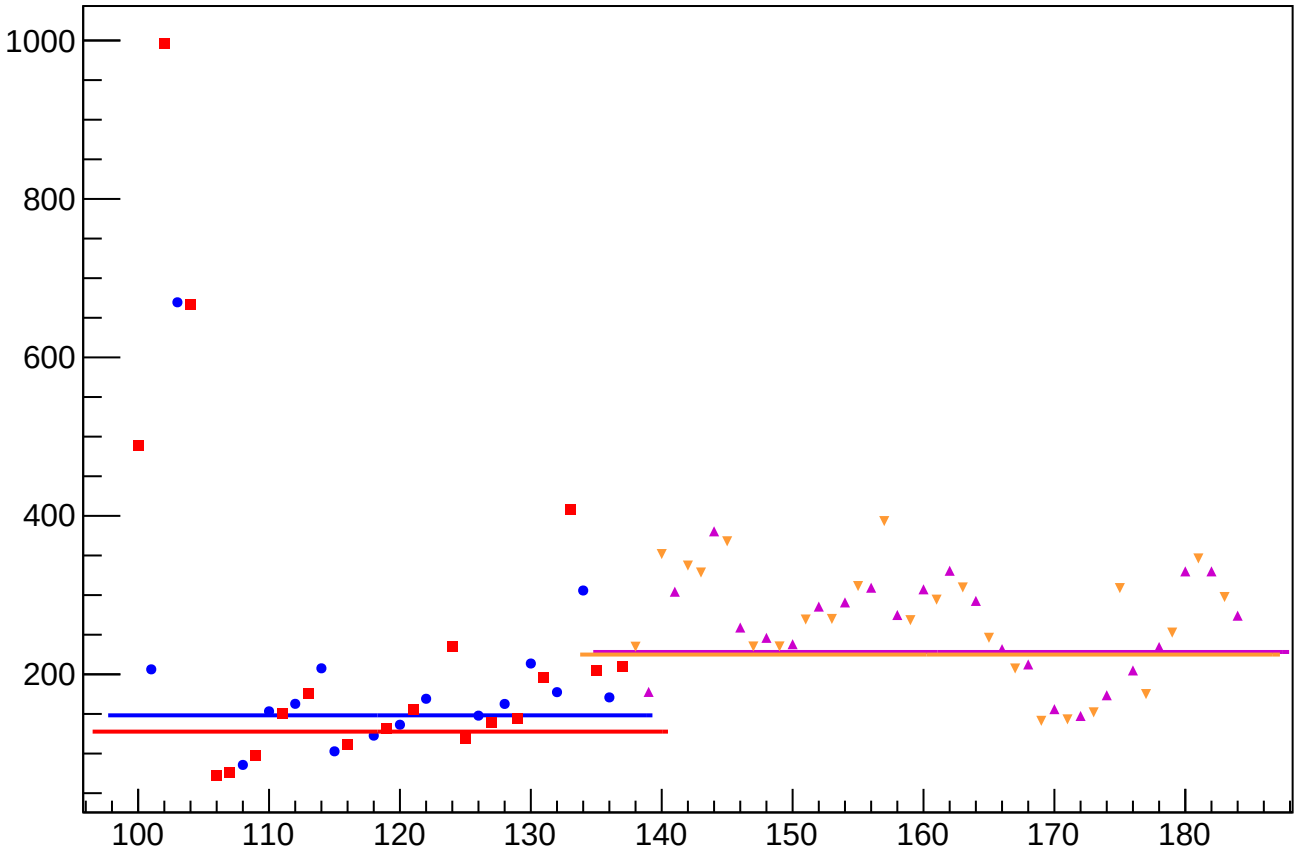
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.041 χ^2/NDF: 33.4/39

All: -0.001+/-0.028 χ^2/NDF: 89.5/81

- sign -0.009+/-0.039 χ^2/NDF: 56.0/41



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 224.952+/-0.039 χ^2/NDF:3409937.5/23

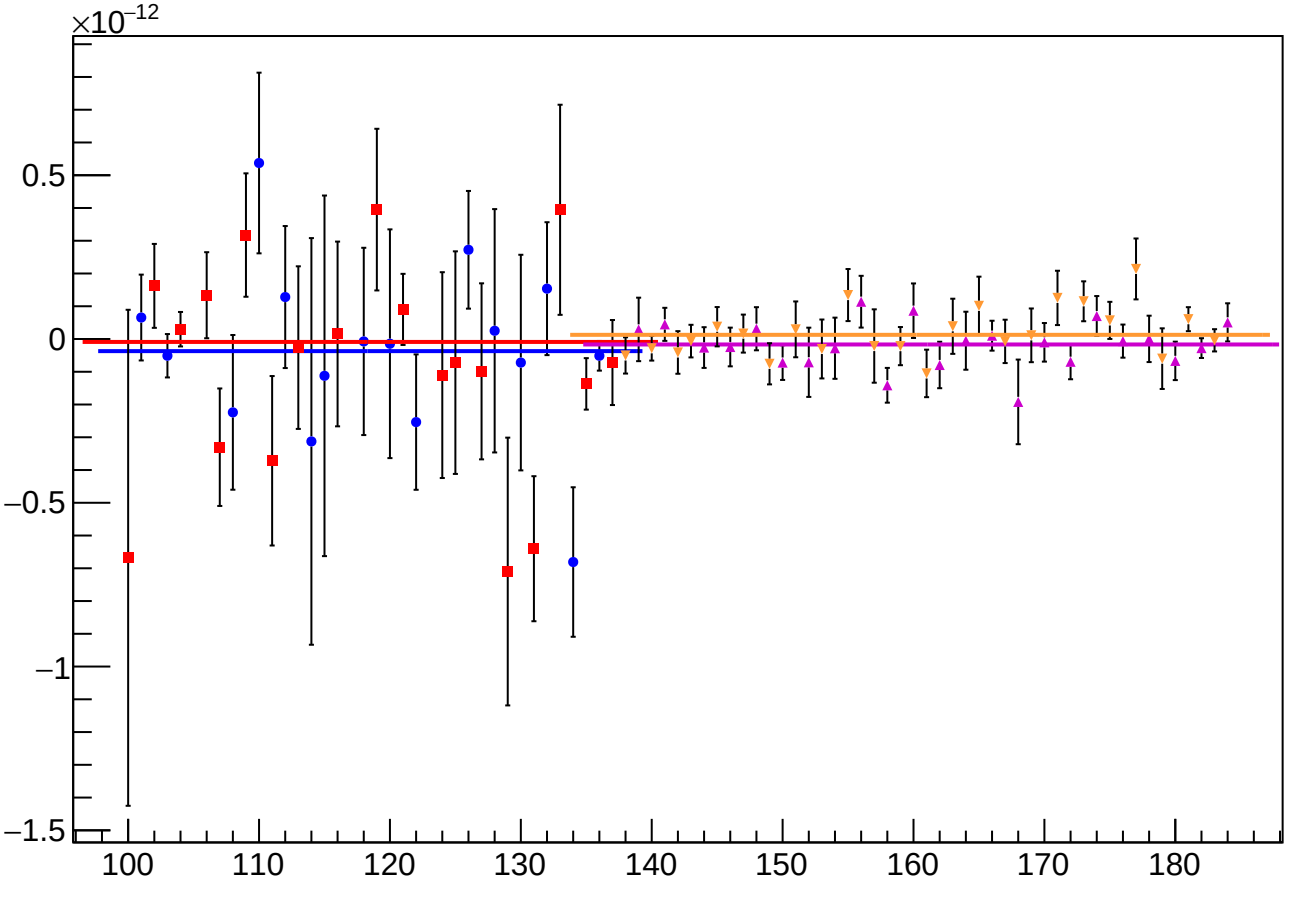
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.773+/-0.029 χ^2/NDF: 6888589.1/39

All: 182.737+/-0.020 χ^2/NDF: 15595269.7/81

- sign 176.146+/-0.028 χ^2/NDF: 8590615.0/41



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

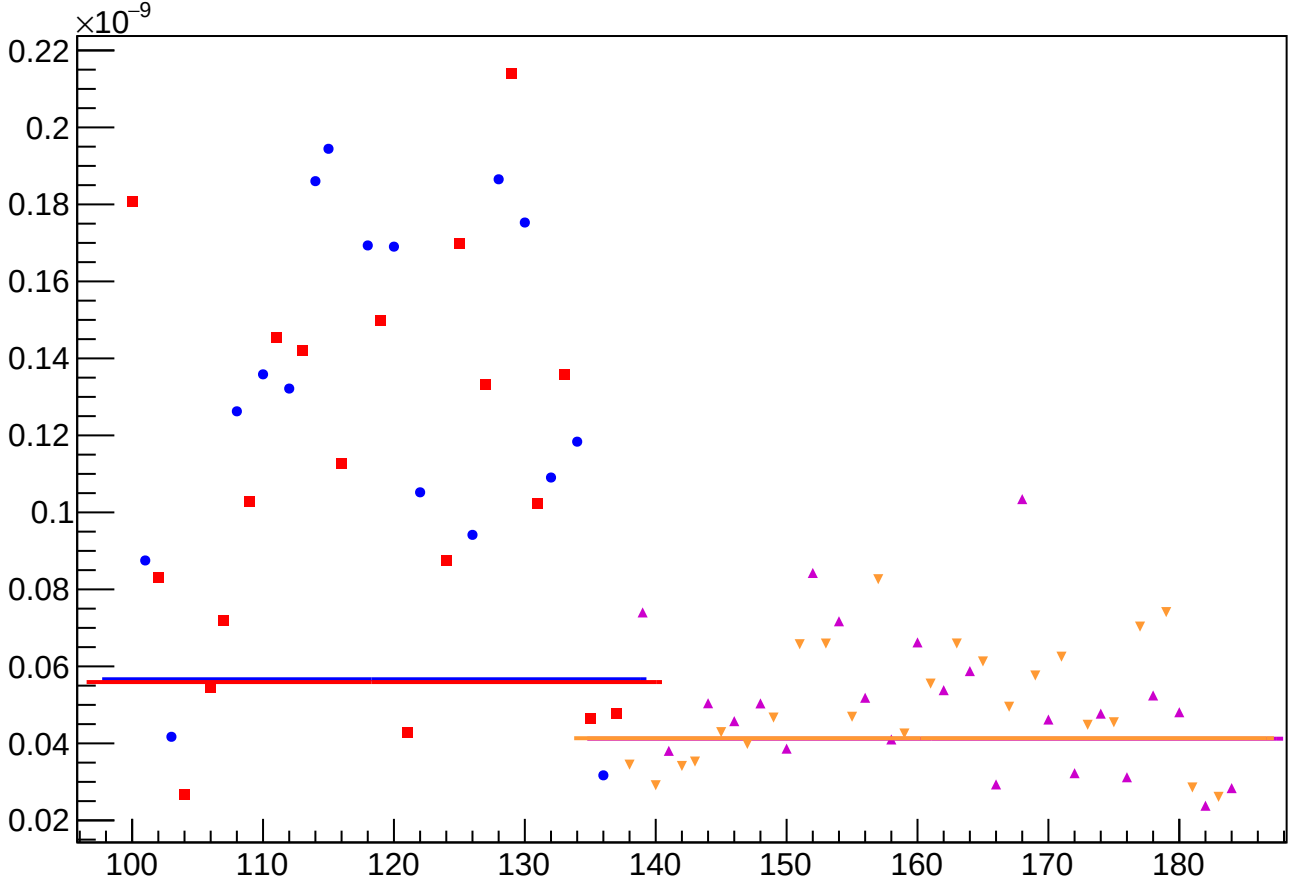
Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/39

All: -0.000+/-0.000 χ^2/NDF: 101.8/81

- sign -0.000+/-0.000 χ^2/NDF: 53.6/41

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2604864.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

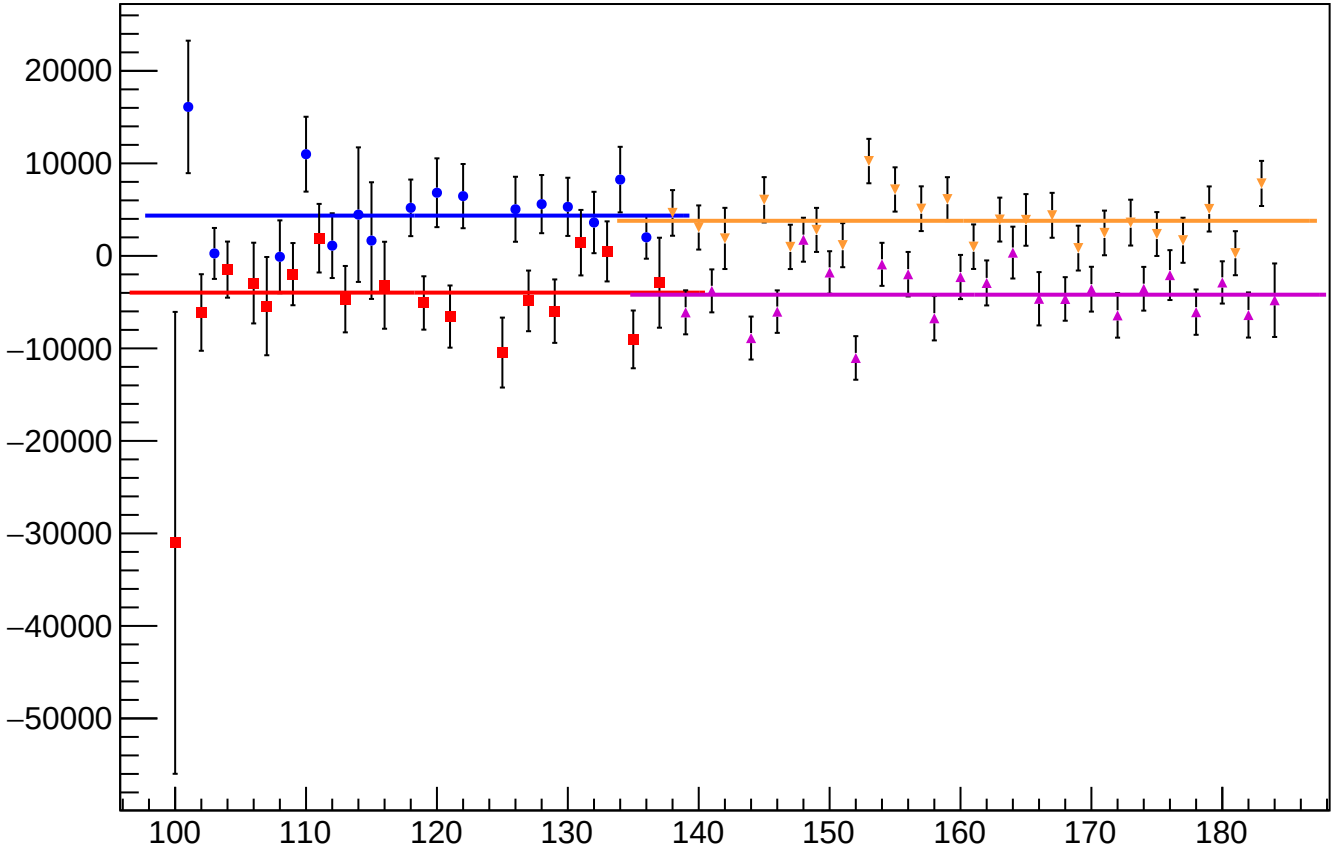
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6114376.2/39

All: 0.000+/-0.000 χ^2/NDF: 12067119.6/81

- sign 0.000+/-0.000 χ^2/NDF: 5952584.0/41

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

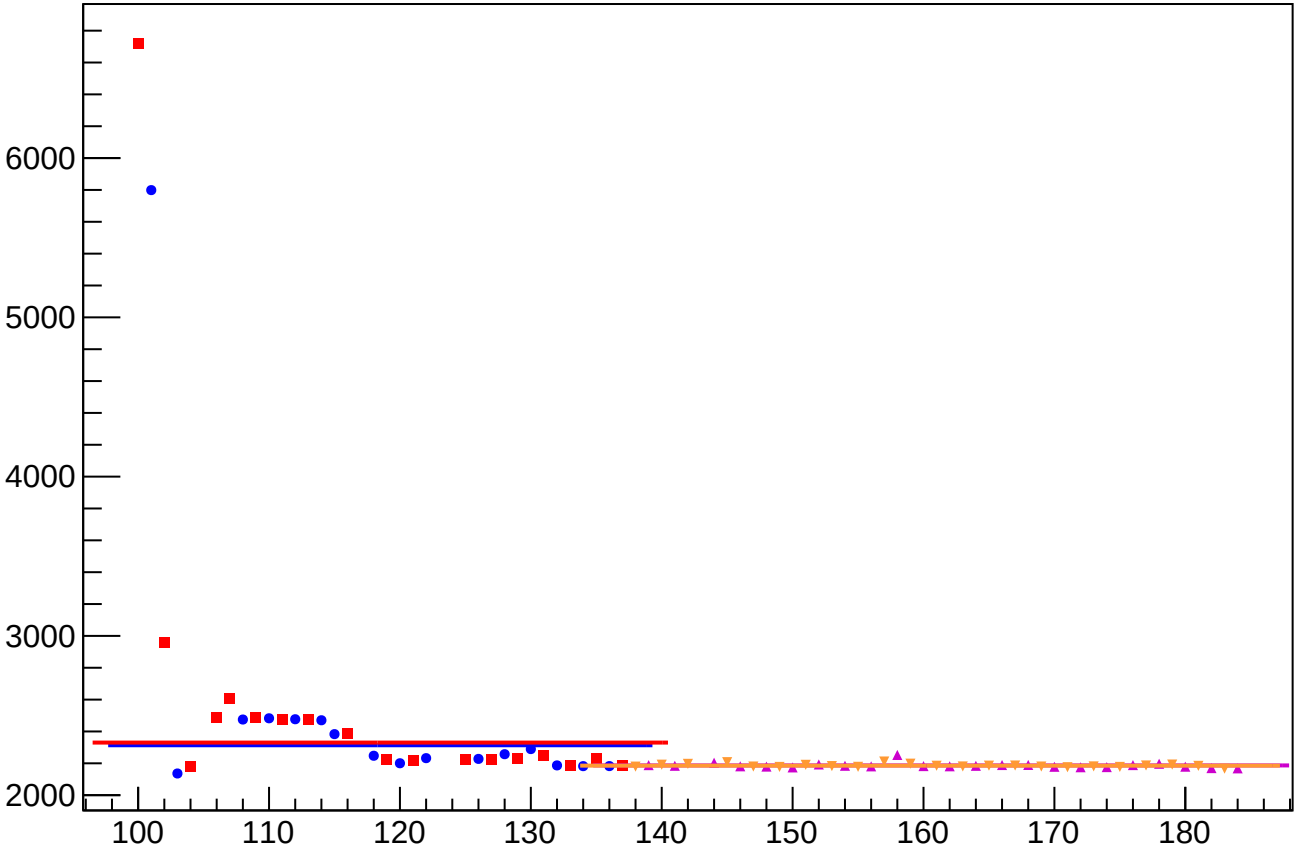
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3935.119+/-441.154 χ^2/NDF: 37.8/38

All: -107.593+/-311.717 χ^2/NDF: 253.9/79

- sign -4138.617+/-440.516 χ^2/NDF: 48.3/40

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

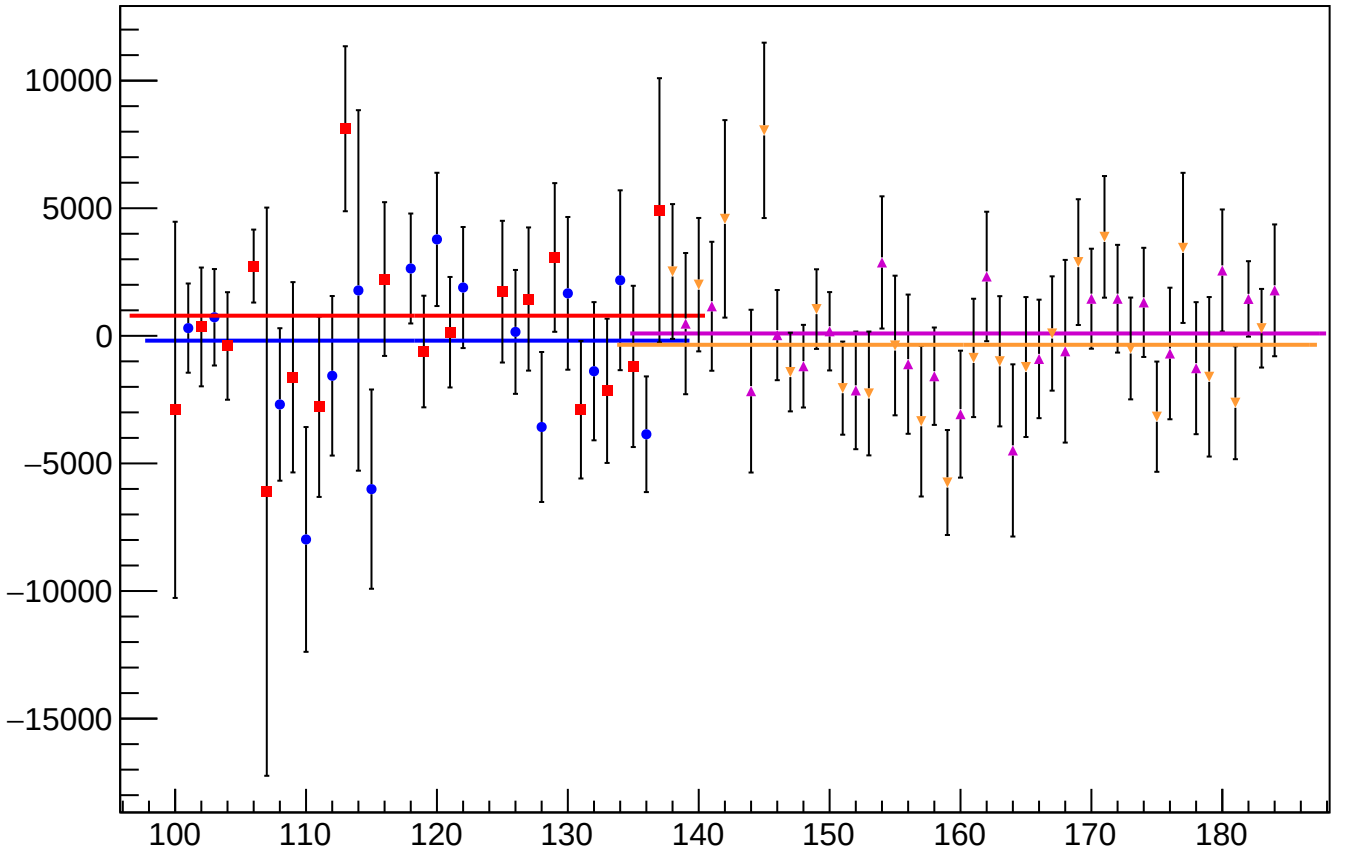
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.934+/-0.312 χ^2/NDF: 545062.1/38

All: 2220.678+/-0.220 χ^2/NDF: 738848.4/79

- sign 2223.414+/-0.311 χ^2/NDF: 193631.7/40



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -350.965+/-468.834 χ^2/NDF:30.2/22

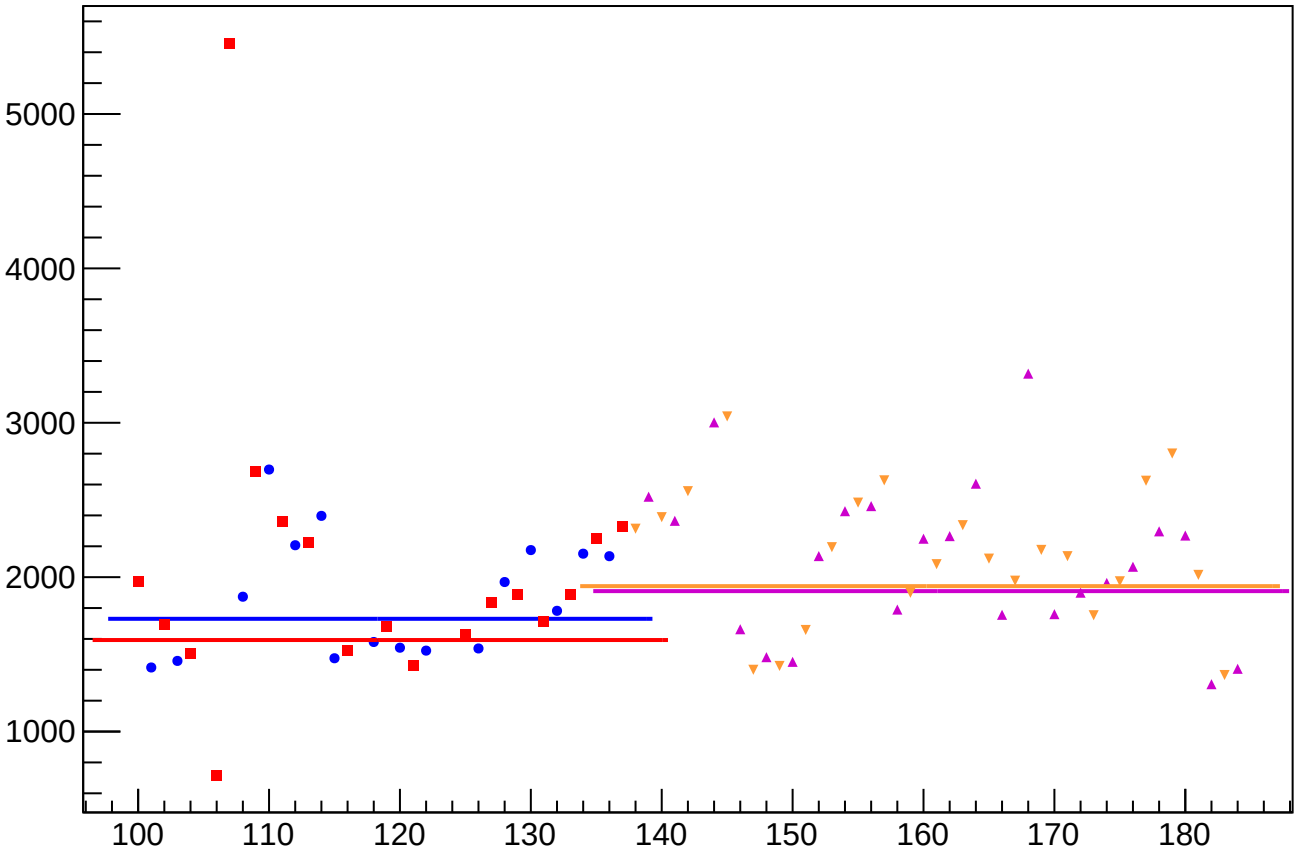
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -296.349+/-381.891 χ^2/NDF: 46.7/38

All: 25.815+/-266.787 χ^2/NDF: 76.5/79

- sign 332.923+/-372.860 χ^2/NDF: 28.5/40



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

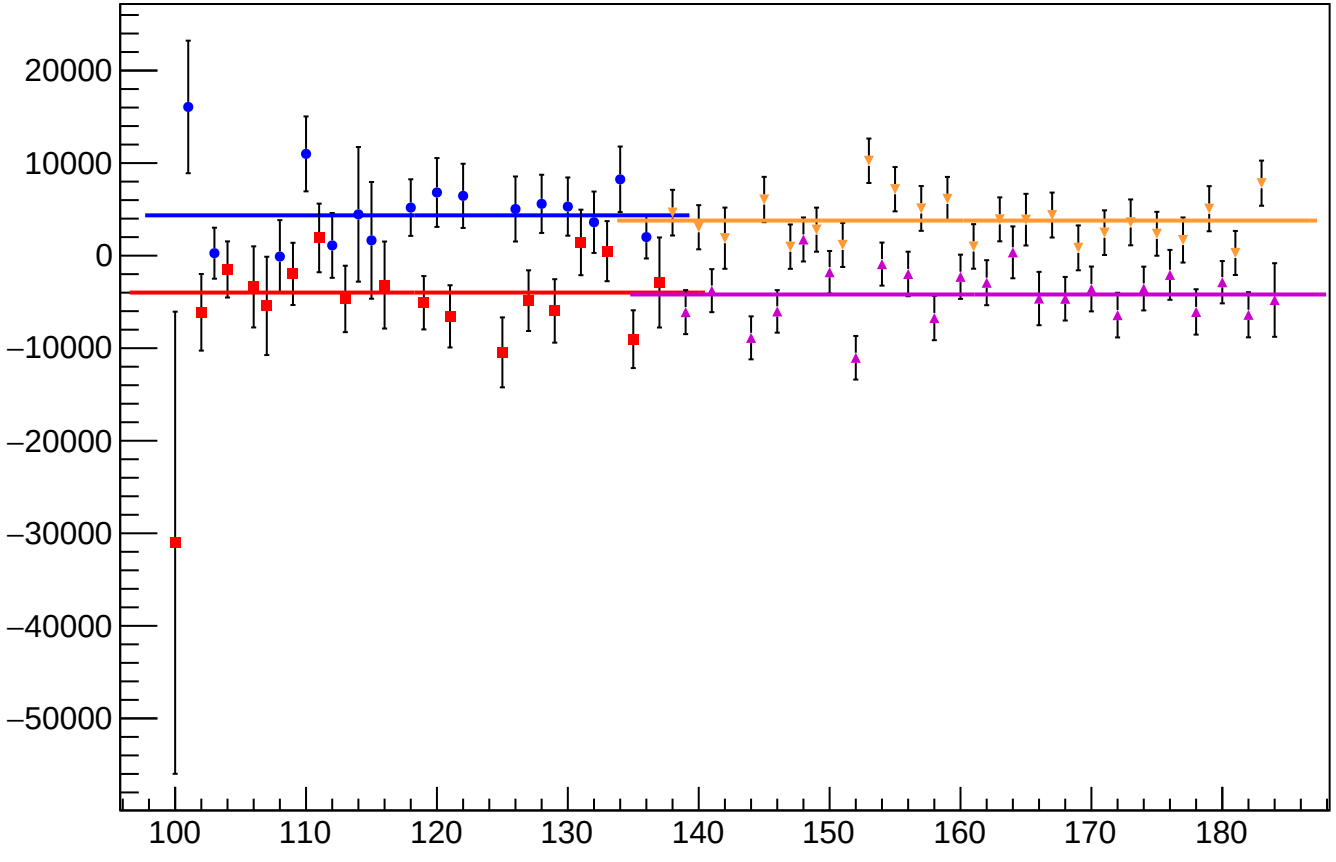
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1870.675+/-0.270 χ^2/NDF: 2347124.2/38

All: 1834.674+/-0.189 χ^2/NDF: 6206501.9/79

- sign 1800.355+/-0.264 χ^2/NDF: 3824660.3/40

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

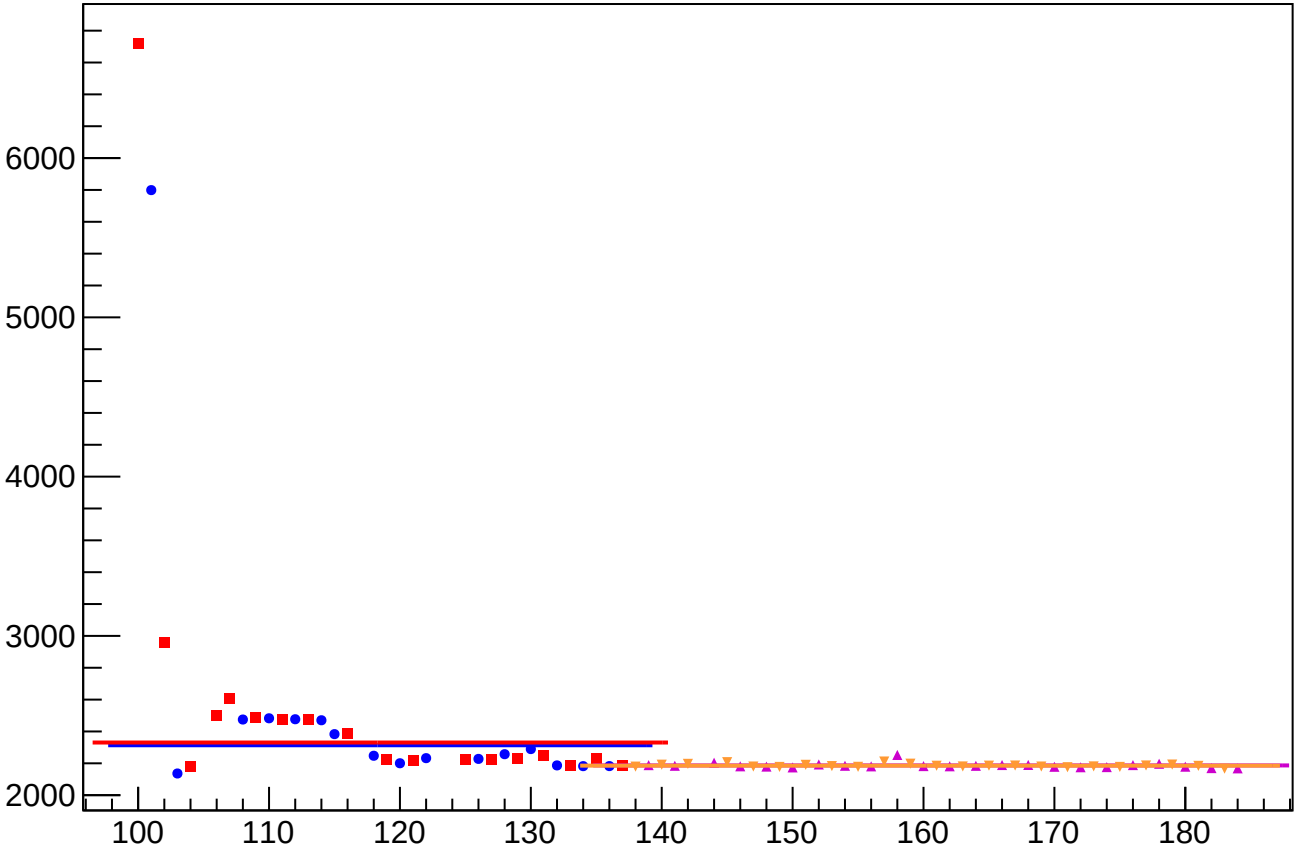
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3934.918+/-441.154 χ^2/NDF: 37.8/38

All: -109.896+/-311.724 χ^2/NDF: 254.0/79

- sign -4143.373+/-440.535 χ^2/NDF: 48.3/40

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

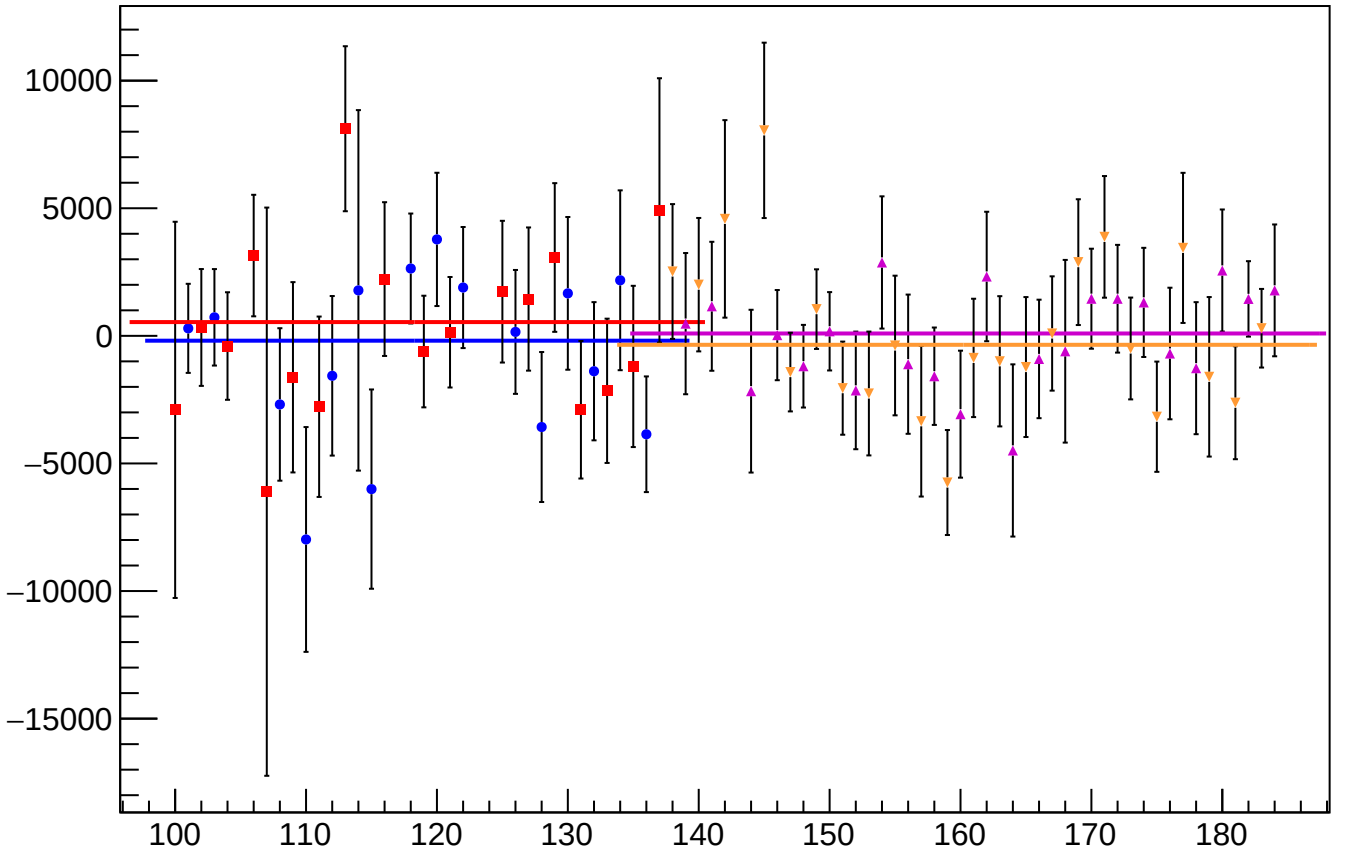
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.934+/-0.312 χ^2/NDF: 545062.4/38

All: 2220.720+/-0.220 χ^2/NDF: 739397.3/79

- sign 2223.499+/-0.312 χ^2/NDF: 194175.5/40



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -350.967+/-468.833 χ^2/NDF:30.2/22

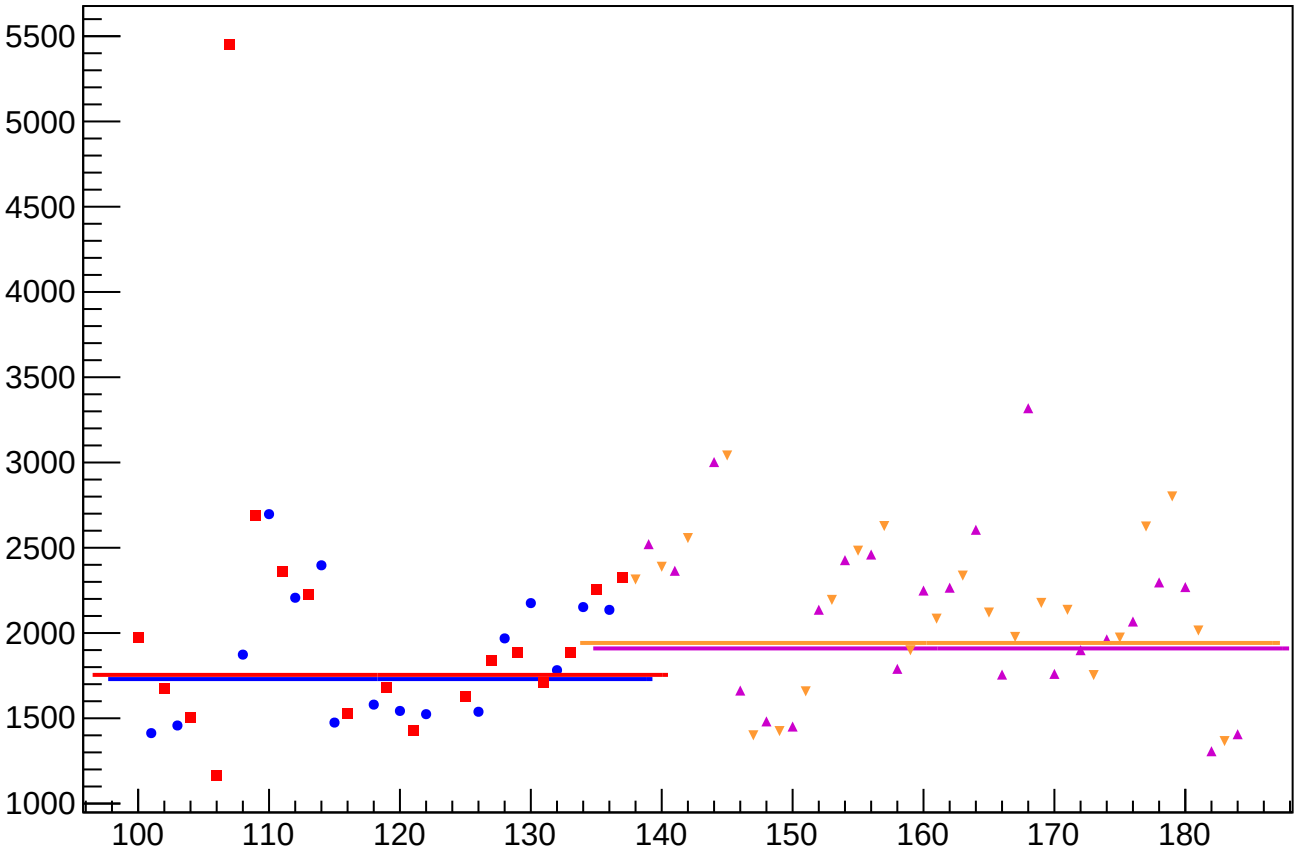
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -296.707+/-381.865 χ^2/NDF: 46.6/38

All: -30.955+/-269.740 χ^2/NDF: 74.6/79

- sign 233.698+/-381.075 χ^2/NDF: 27.0/40



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1941.872+/-0.332 χ^2/NDF:1731149.2/22

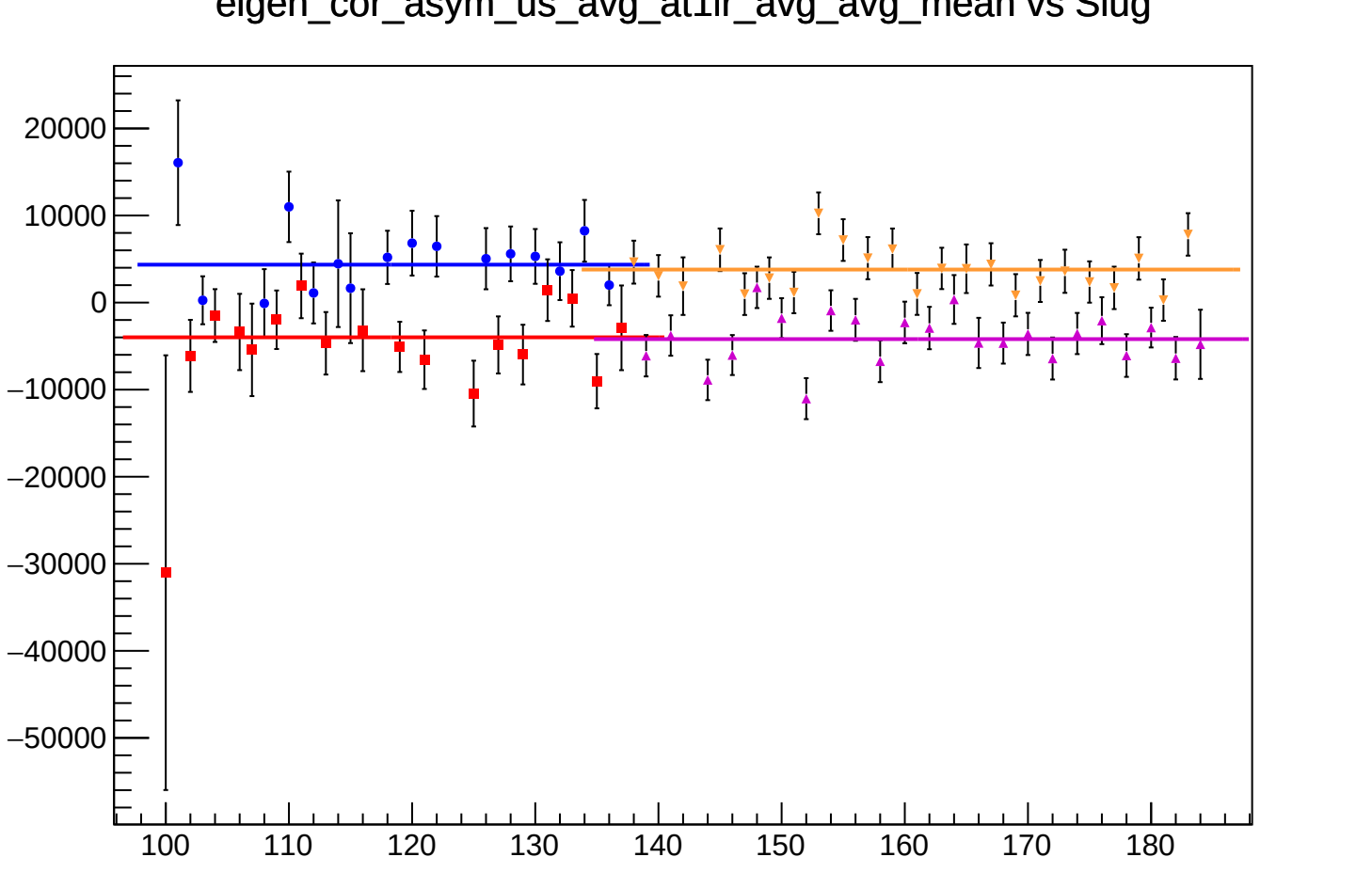
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1870.524+/-0.270 χ^2/NDF: 2348658.8/38

All: 1865.579+/-0.191 χ^2/NDF: 5114192.0/79

- sign 1860.654+/-0.269 χ^2/NDF: 2764863.7/40



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3792.262+/-510.800 χ^2/NDF:24.2/22

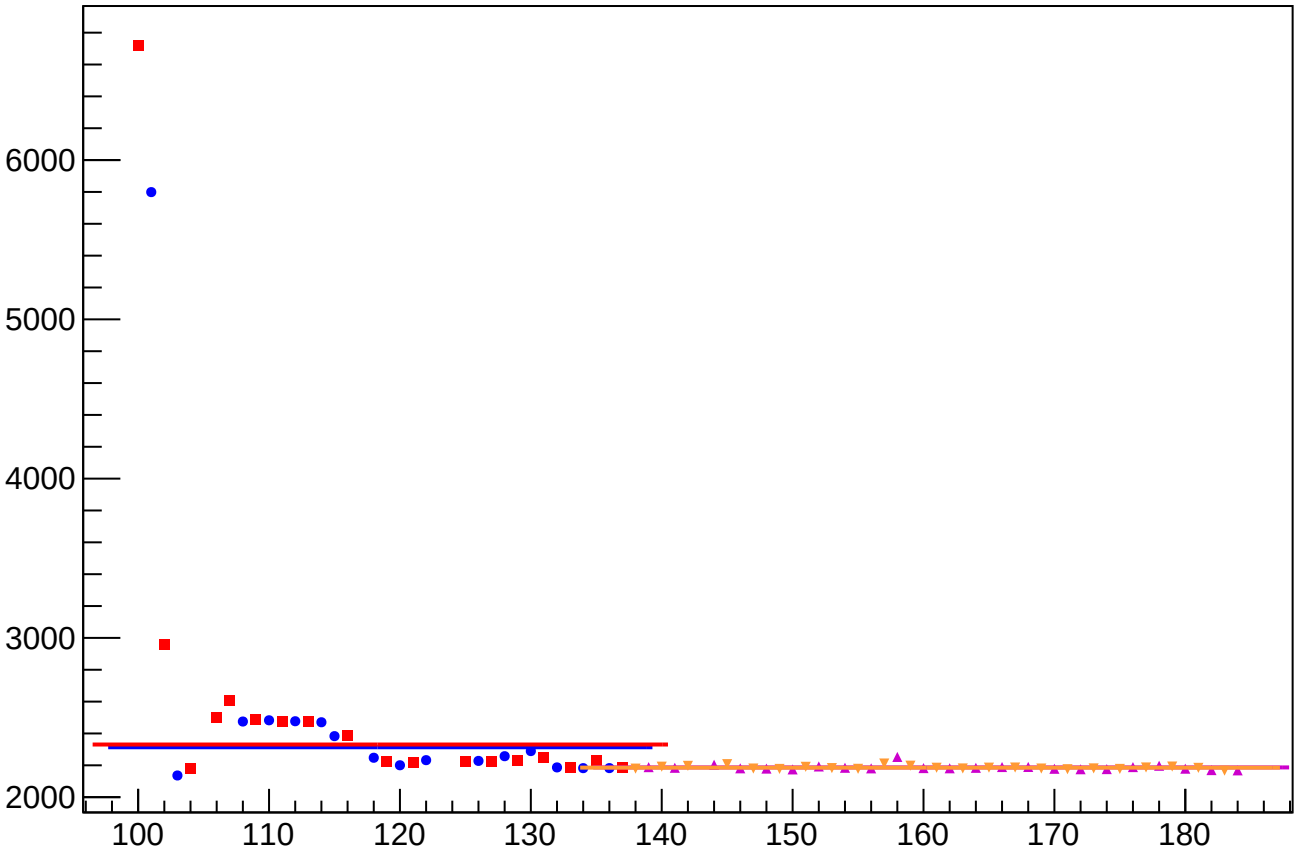
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3934.918+/-441.154 χ^2/NDF: 37.8/38

All: -109.896+/-311.724 χ^2/NDF: 254.0/79

- sign -4143.373+/-440.535 χ^2/NDF: 48.3/40



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.407+/-0.361 χ^2/NDF:774.7/22

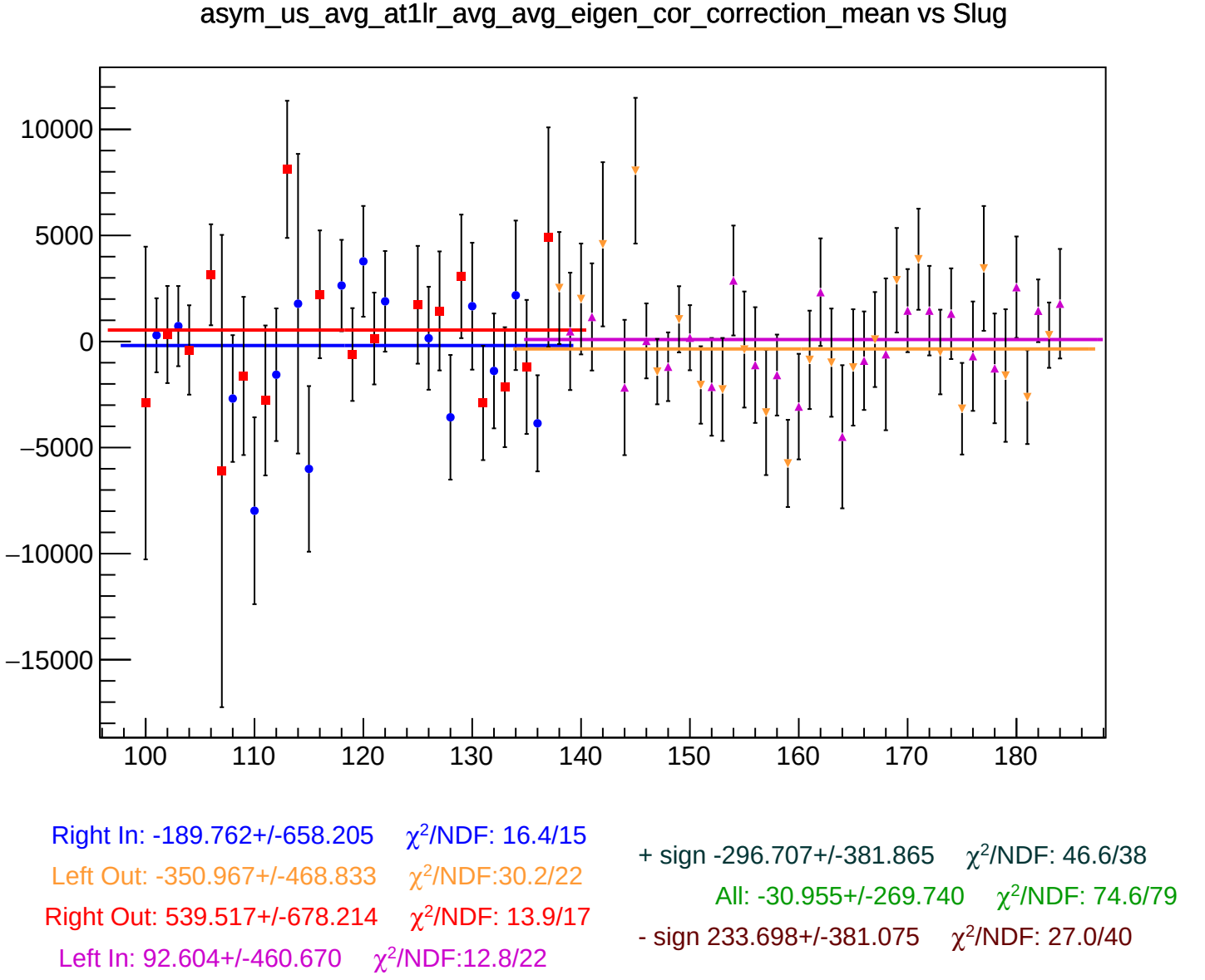
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

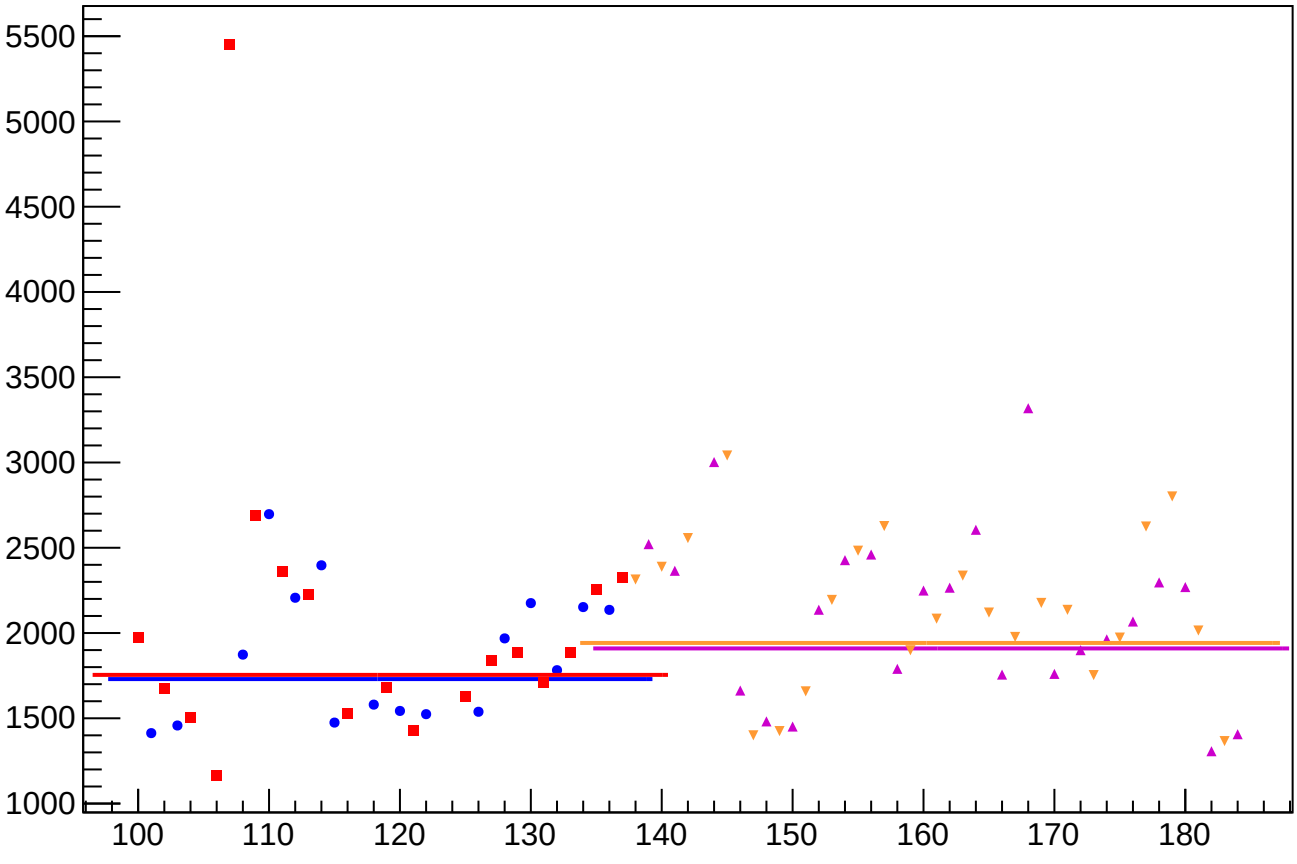
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.934+/-0.312 χ^2/NDF: 545062.4/38

All: 2220.720+/-0.220 χ^2/NDF: 739397.3/79

- sign 2223.499+/-0.312 χ^2/NDF: 194175.5/40


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: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign -296.707+/-381.865 χ²/NDF: 46.6/38
All: -30.955+/-269.740 χ²/NDF: 74.6/79
- sign 233.698+/-381.075 χ²/NDF: 27.0/40



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

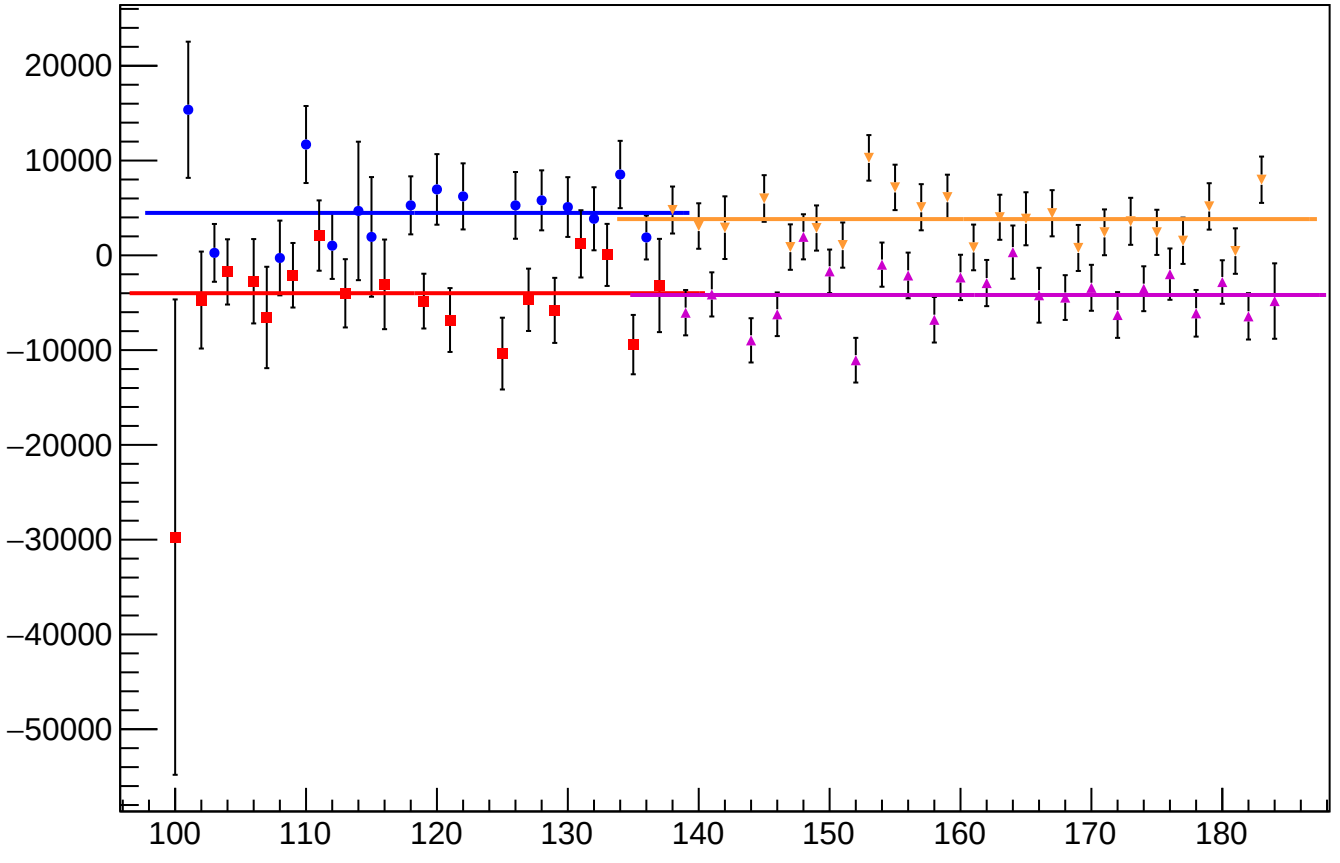
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1870.524+/-0.270 χ^2/NDF: 2348658.8/38

All: 1865.579+/-0.191 χ^2/NDF: 5114192.0/79

- sign 1860.654+/-0.269 χ^2/NDF: 2764863.7/40

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

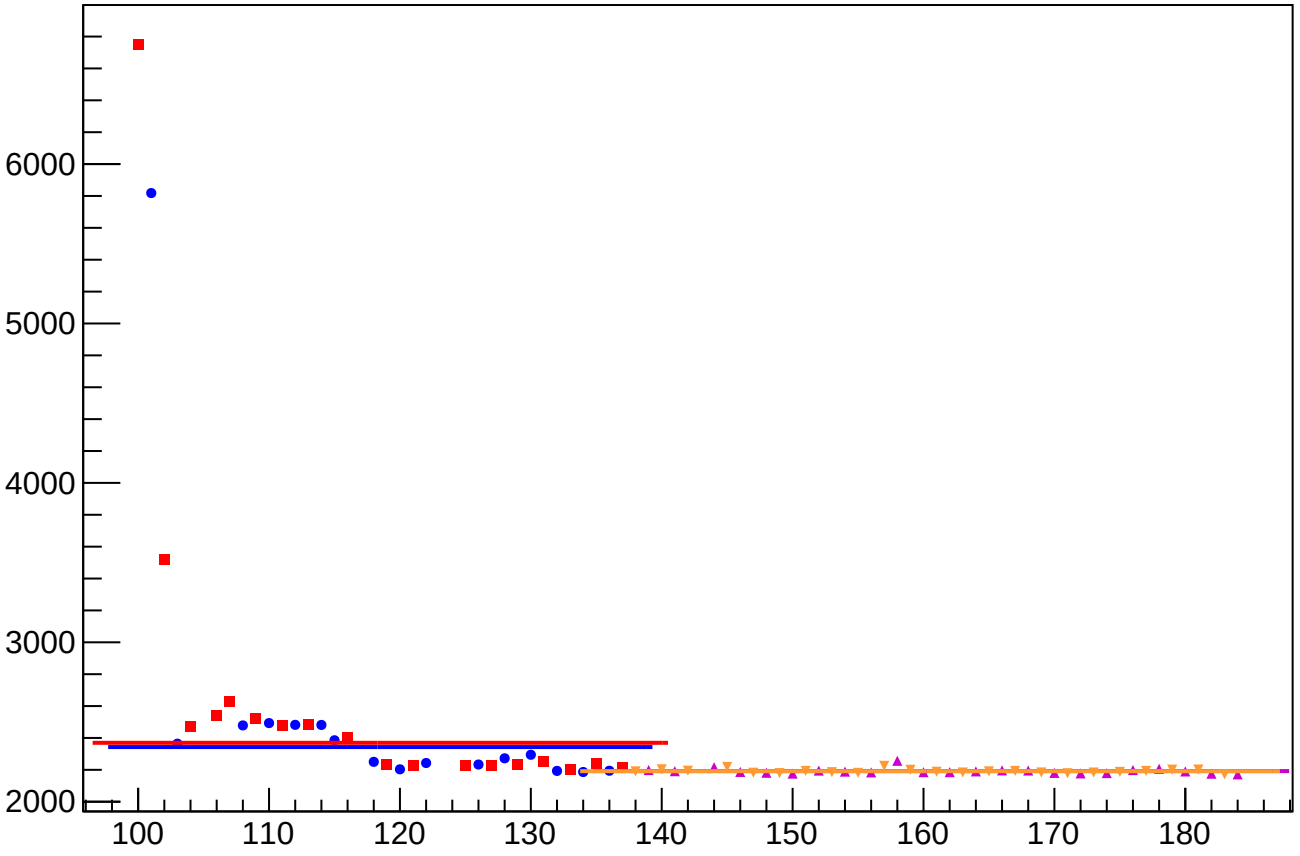
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3987.270+/-443.467 χ^2/NDF: 38.3/38

All: -72.320+/-313.685 χ^2/NDF: 254.2/79

- sign -4137.419+/-443.768 χ^2/NDF: 48.2/40

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

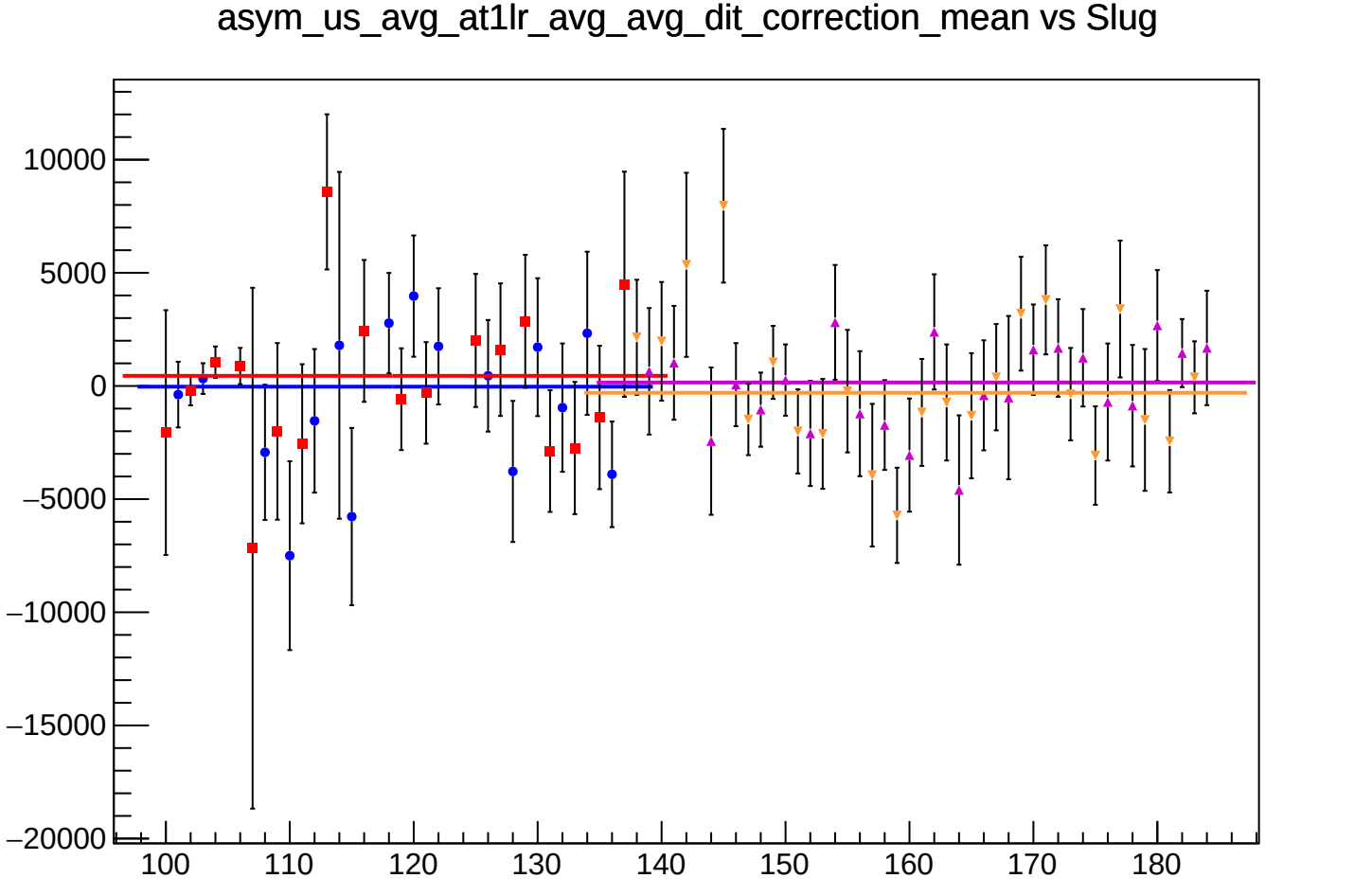
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2229.403+/-0.314 χ^2/NDF: 547829.4/38

All: 2232.827+/-0.222 χ^2/NDF: 820144.8/79

- sign 2236.255+/-0.314 χ^2/NDF: 272076.8/40



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -301.900+/-477.740 χ^2/NDF:29.7/22

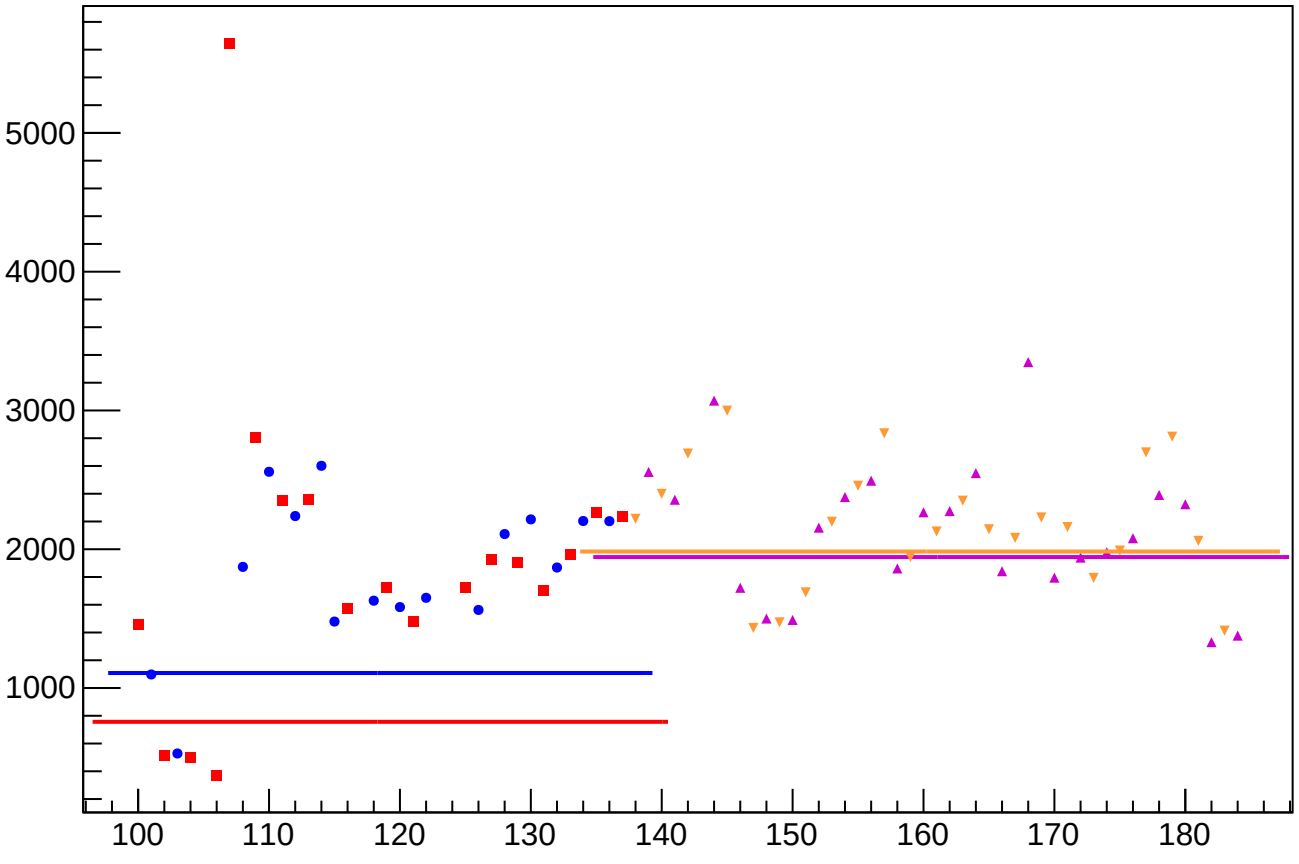
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -168.778+/-340.464 χ^2/NDF: 46.2/38

All: 127.856+/-219.266 χ^2/NDF: 75.6/79

- sign 338.082+/-286.619 χ^2/NDF: 28.1/40



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1983.611+/-0.338 χ^2/NDF:1640156.6/22

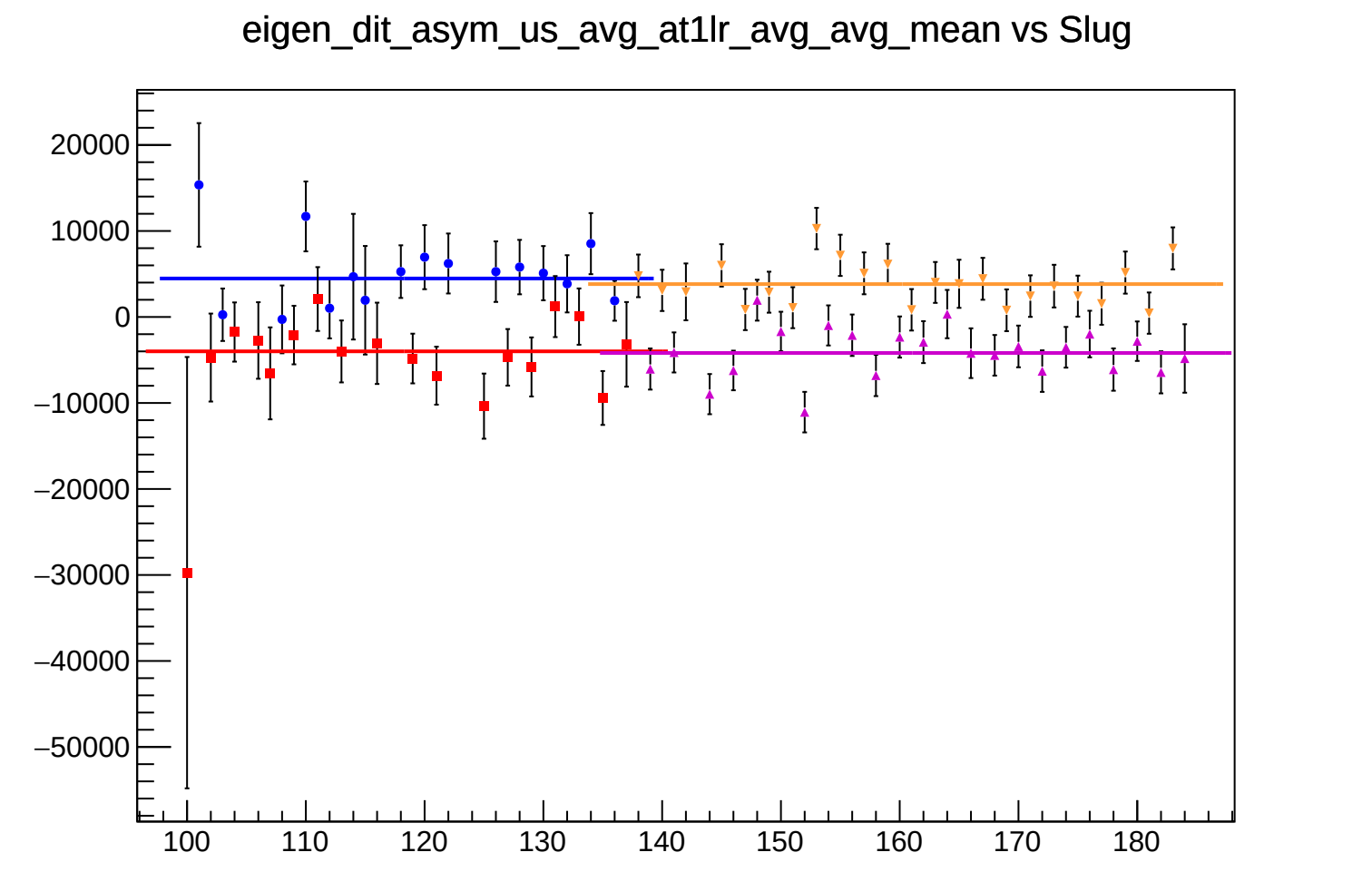
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1552.773+/-0.241 χ^2/NDF: 8691872.6/38

All: 1347.320+/-0.155 χ^2/NDF: 25465524.7/7

- sign 1201.714+/-0.203 χ^2/NDF: 15529193.2/40



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

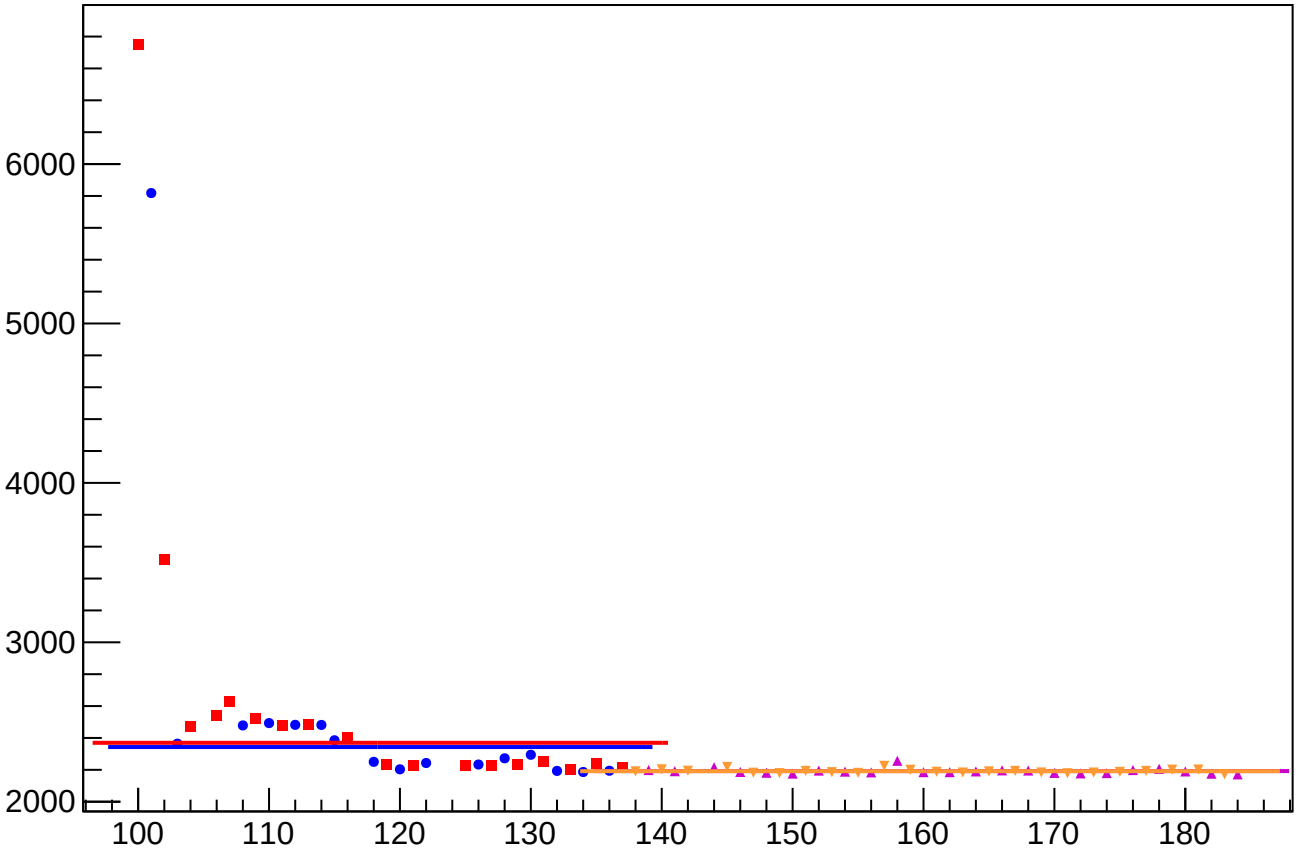
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

\+ sign 3987.268+/-443.467 χ^2/NDF: 38.3/38

All: -72.321+/-313.685 χ^2/NDF: 254.2/79

\- sign -4137.418+/-443.768 χ^2/NDF: 48.2/40

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

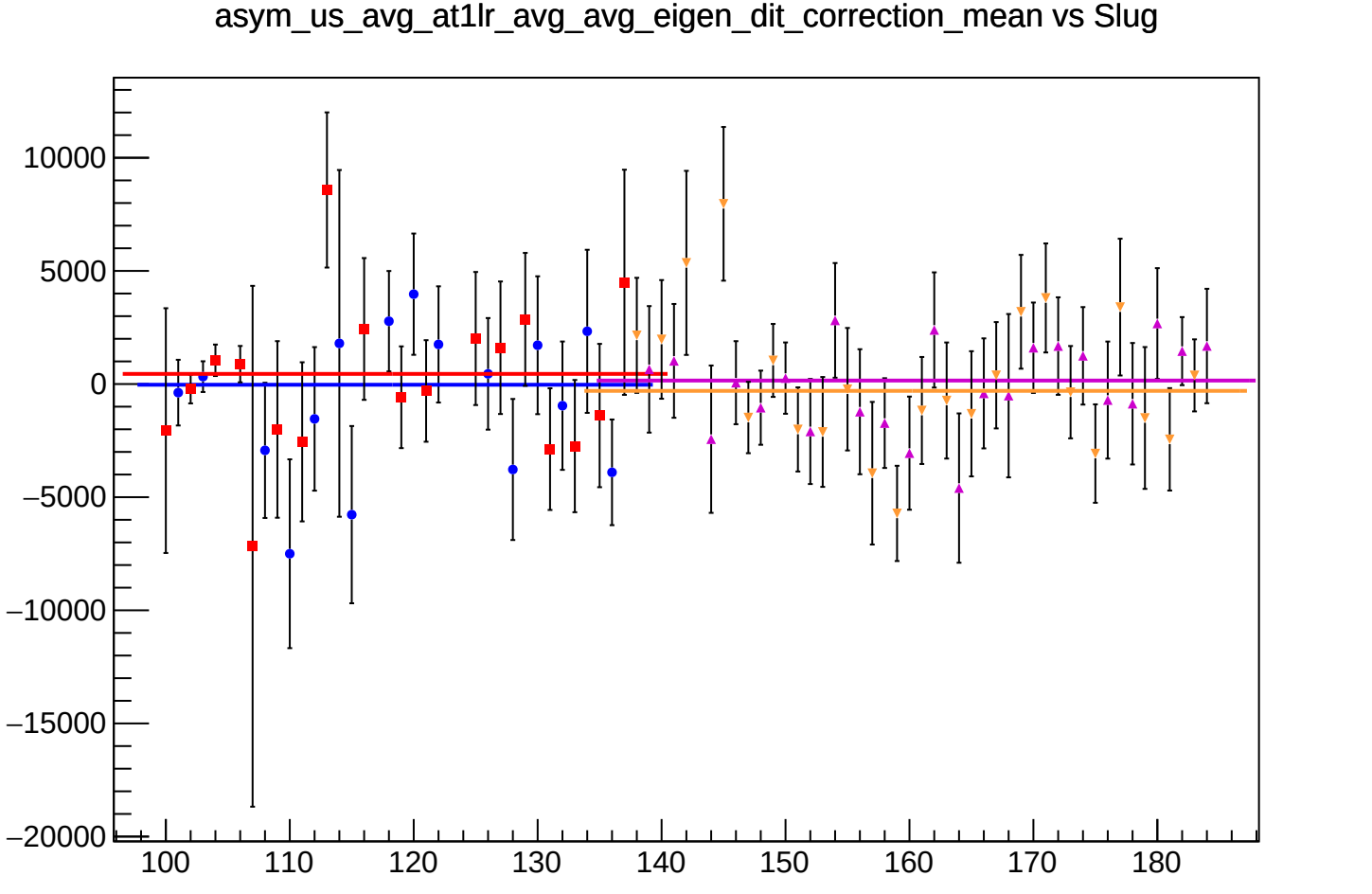
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2229.403+/-0.314 χ^2/NDF: 547829.1/38

All: 2232.826+/-0.222 χ^2/NDF: 820143.1/79

- sign 2236.255+/-0.314 χ^2/NDF: 272075.4/40



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -301.903+/-477.741 χ^2/NDF:29.7/22

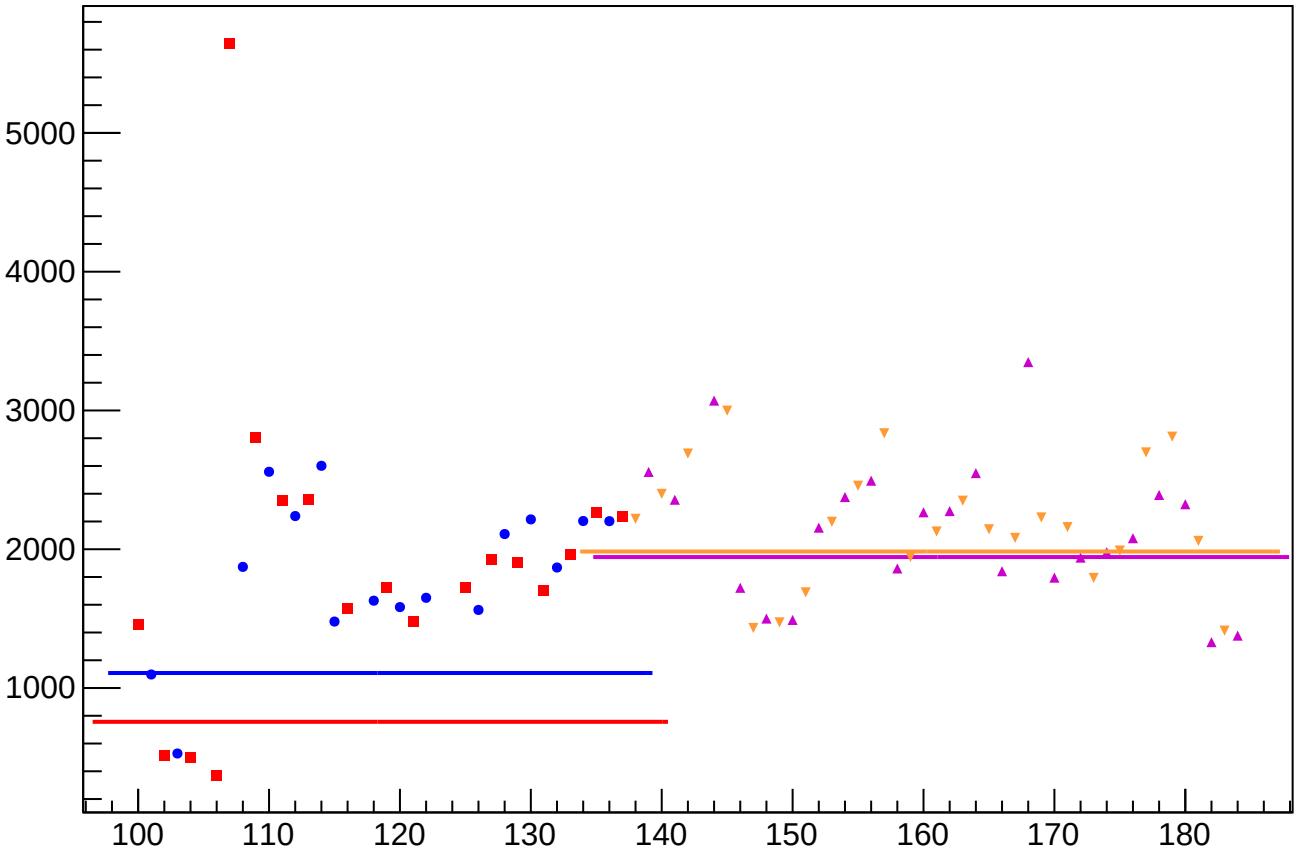
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -168.783+/-340.466 χ^2/NDF: 46.2/38

All: 127.853+/-219.268 χ^2/NDF: 75.6/79

- sign 338.083+/-286.622 χ^2/NDF: 28.1/40



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

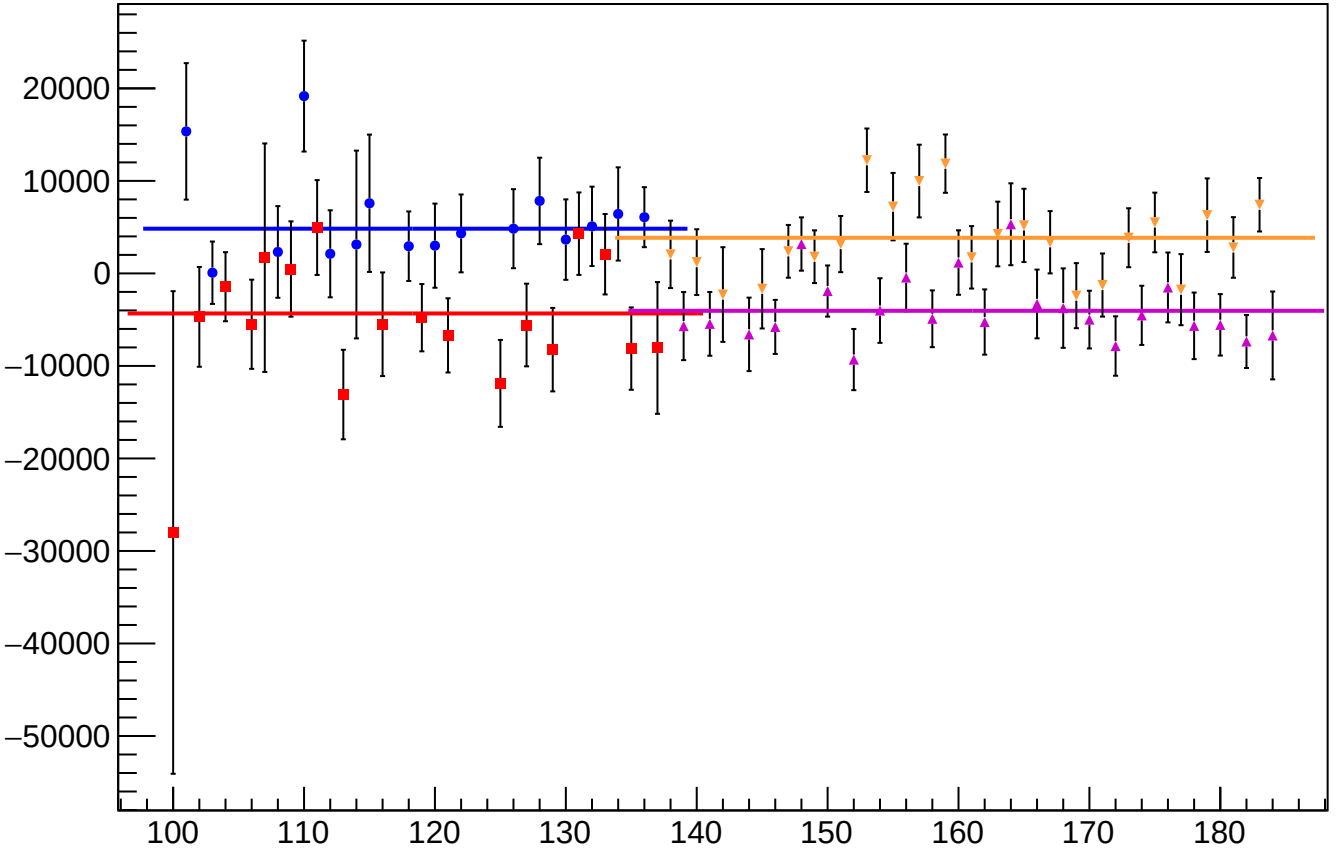
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1552.781+/-0.241 χ^2/NDF: 8691726.3/38

All: 1347.334+/-0.155 χ^2/NDF: 25464928.1/7

- sign 1201.731+/-0.203 χ^2/NDF: 15528819.7/40

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

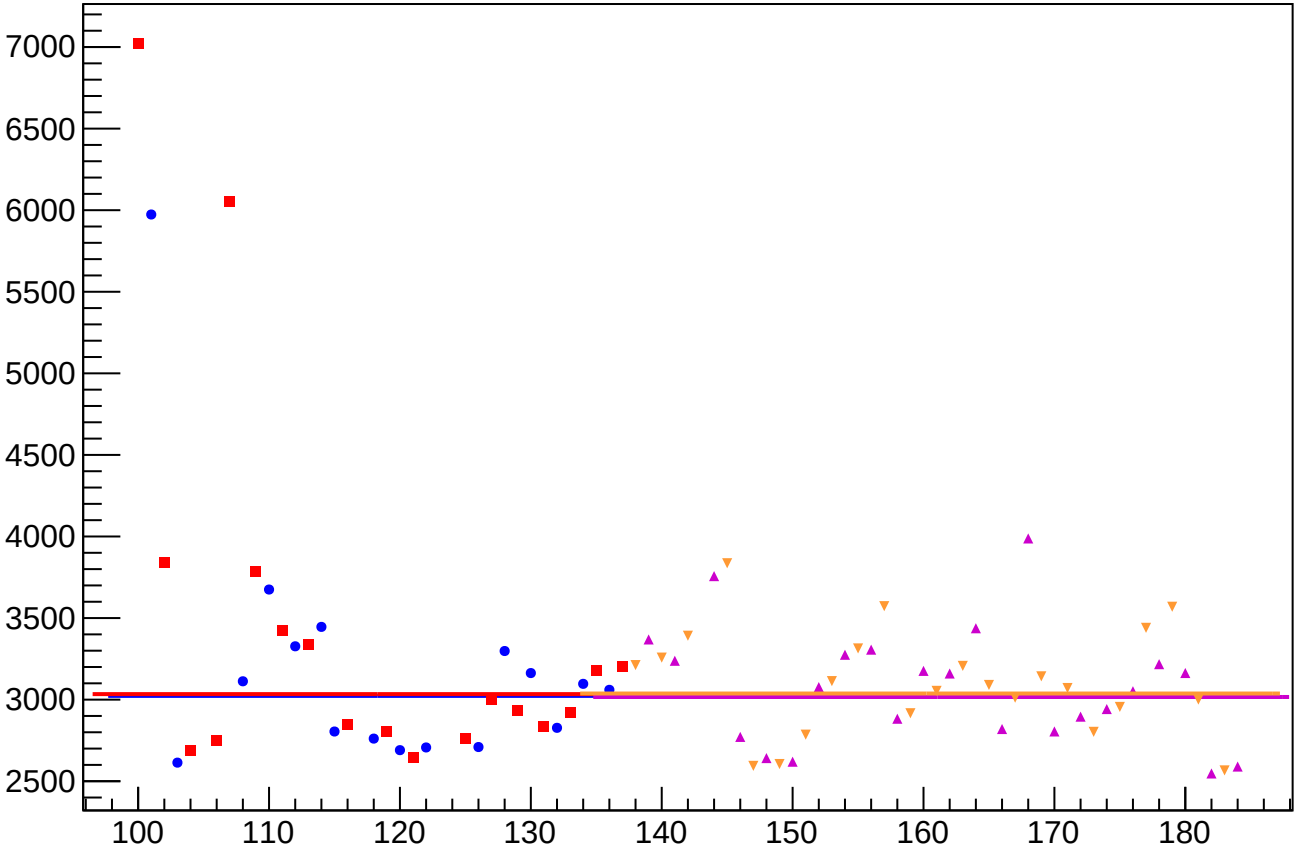
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4126.505+/-606.250 χ^2/NDF: 43.0/38

All: -19.320+/-427.557 χ^2/NDF: 178.5/79

- sign -4121.877+/-603.078 χ^2/NDF: 42.4/40

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

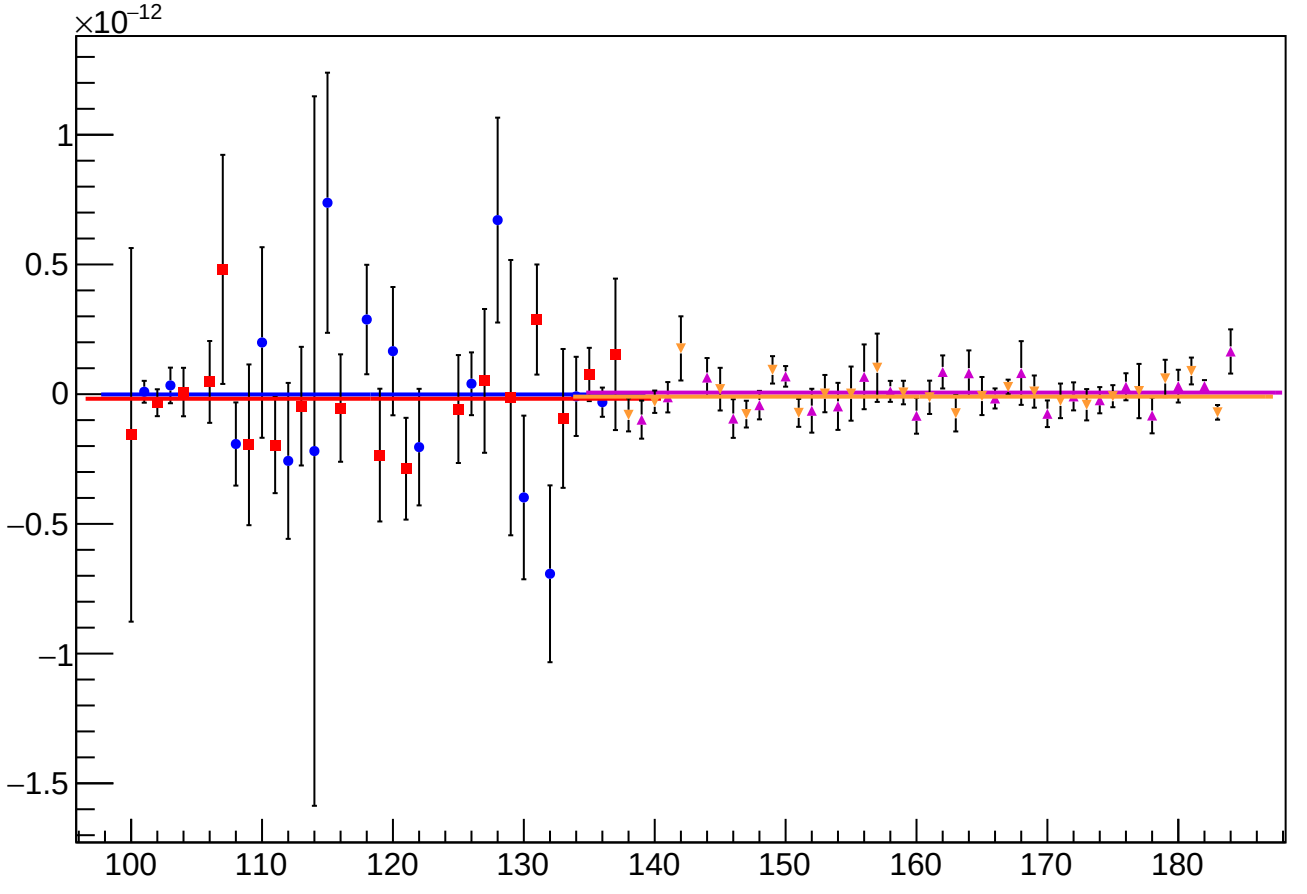
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3033.424+/-0.429 χ^2/NDF: 826409.7/38

All: 3027.251+/-0.302 χ^2/NDF: 1609737.0/79

- sign 3021.143+/-0.426 χ^2/NDF: 782914.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.8/22

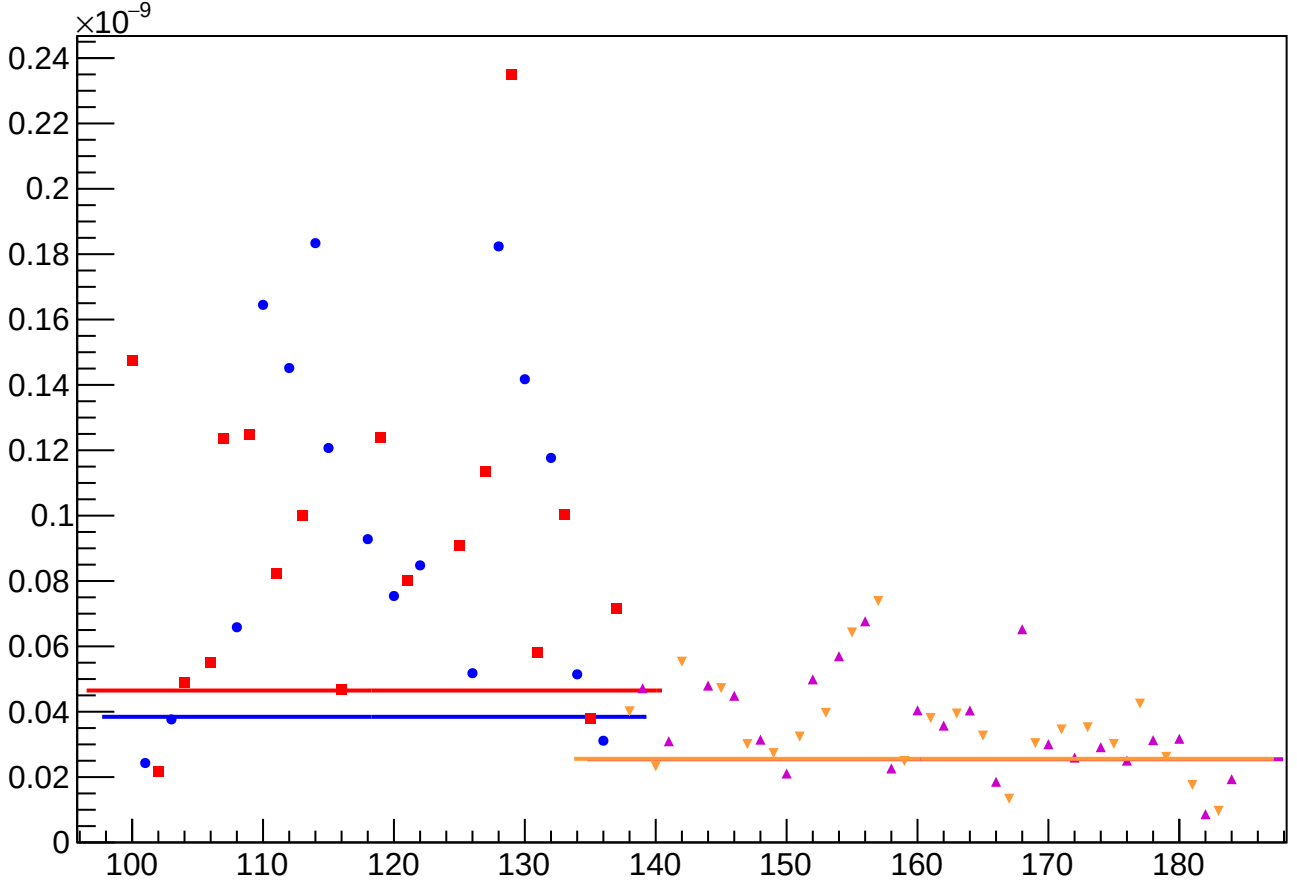
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/38

All: -0.000+/-0.000 χ^2/NDF: 74.3/79

- sign 0.000+/-0.000 χ^2/NDF: 32.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2431628.7/22

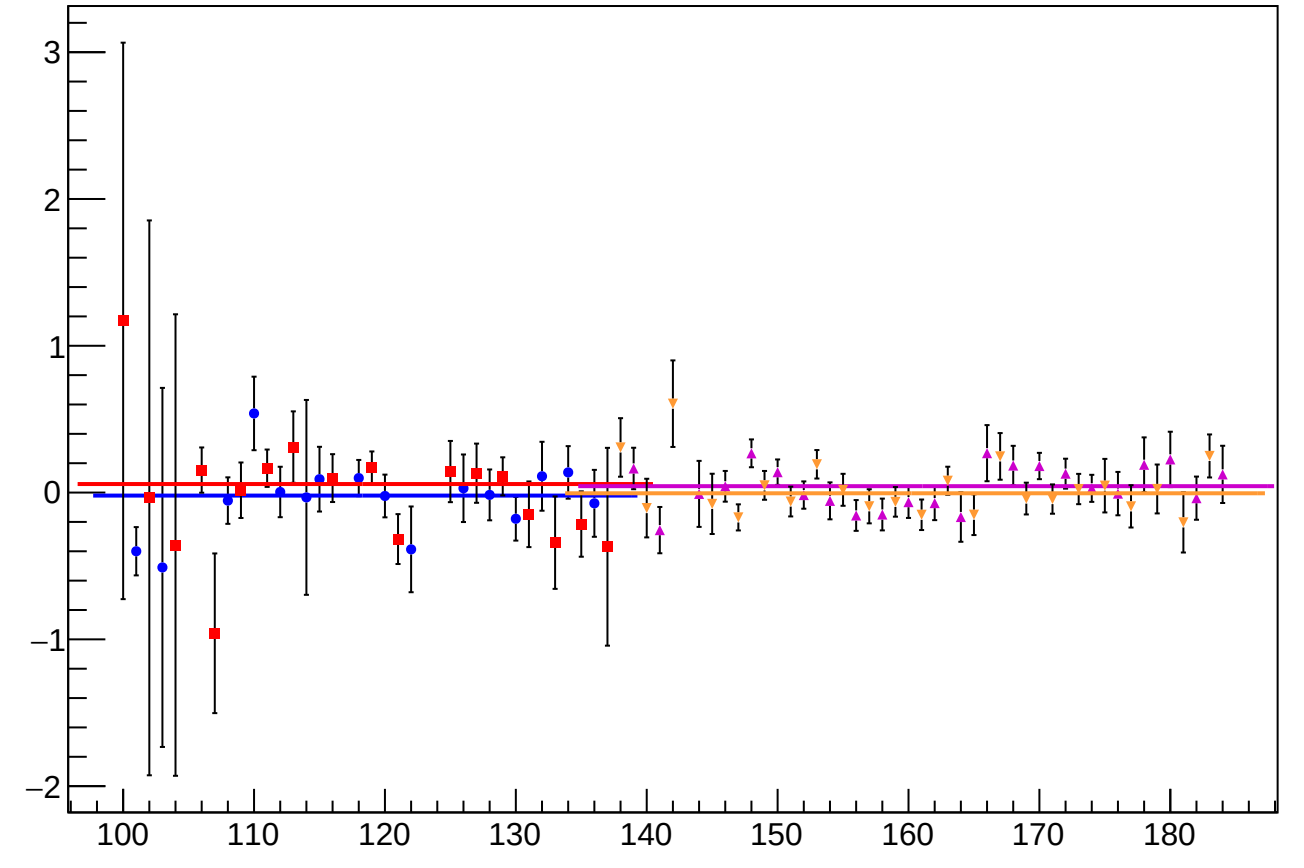
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4583939.3/38

All: 0.000+/-0.000 χ^2/NDF: 9760929.5/79

- sign 0.000+/-0.000 χ^2/NDF: 5176987.3/40



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.026 χ^2/NDF:27.4/22

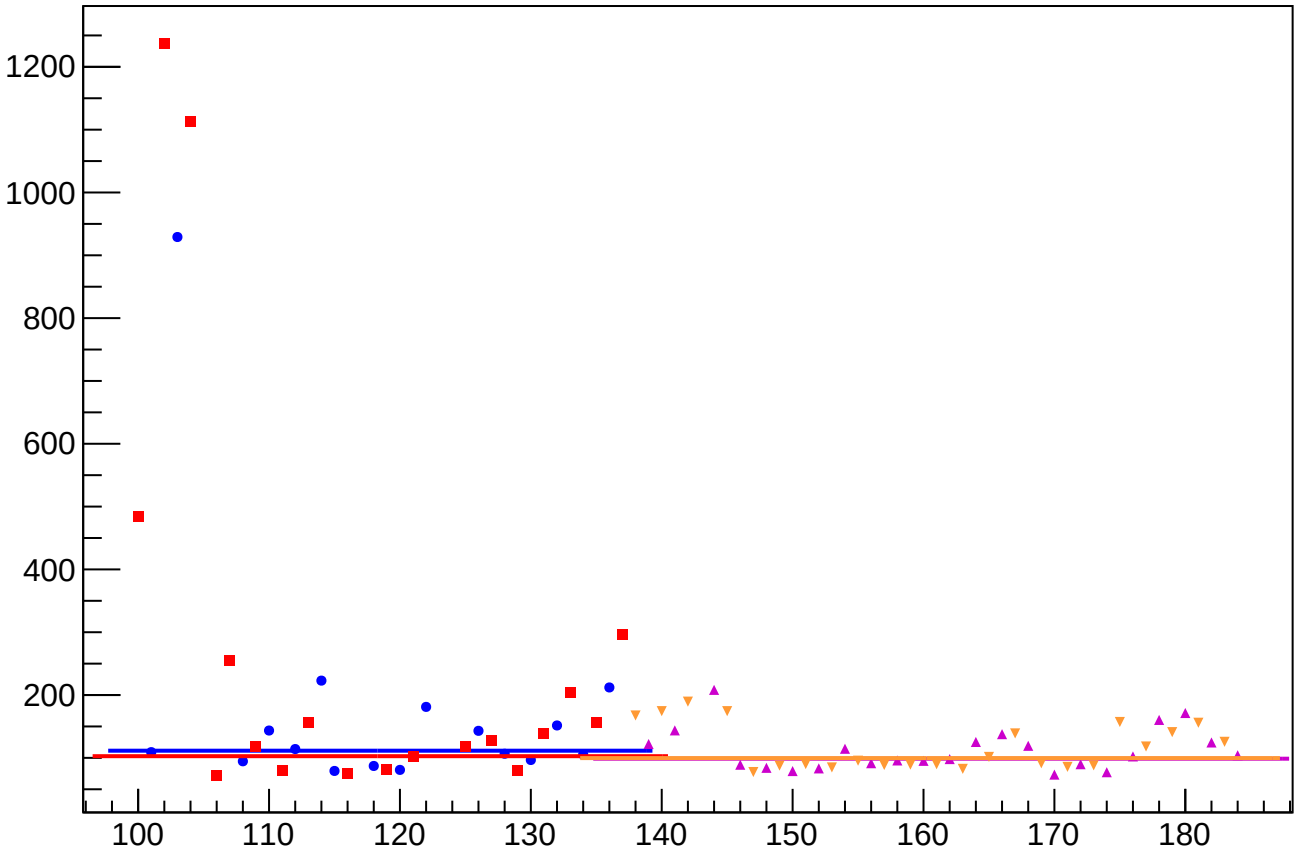
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.023 χ^2/NDF: 43.1/38

All: 0.020+/-0.016 χ^2/NDF: 93.4/79

- sign 0.047+/-0.022 χ^2/NDF: 47.2/40



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 99.622+/-0.018 χ^2/NDF:2070799.2/22

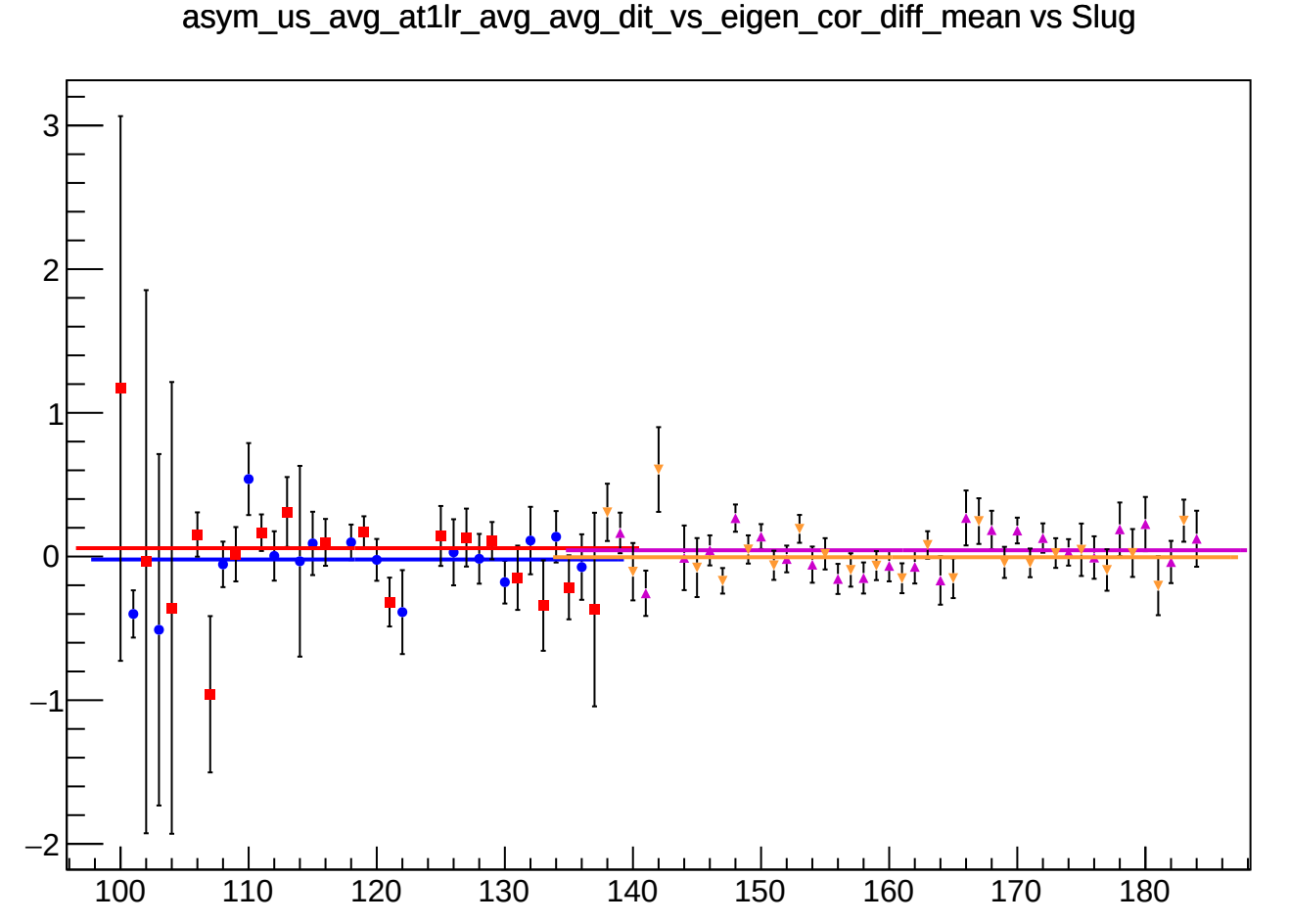
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.253+/-0.016 χ^2/NDF: 4005273.2/38

All: 100.886+/-0.011 χ^2/NDF: 8861483.0/79

- sign 99.573+/-0.016 χ^2/NDF: 4841744.7/40



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.026 χ^2/NDF:27.4/22

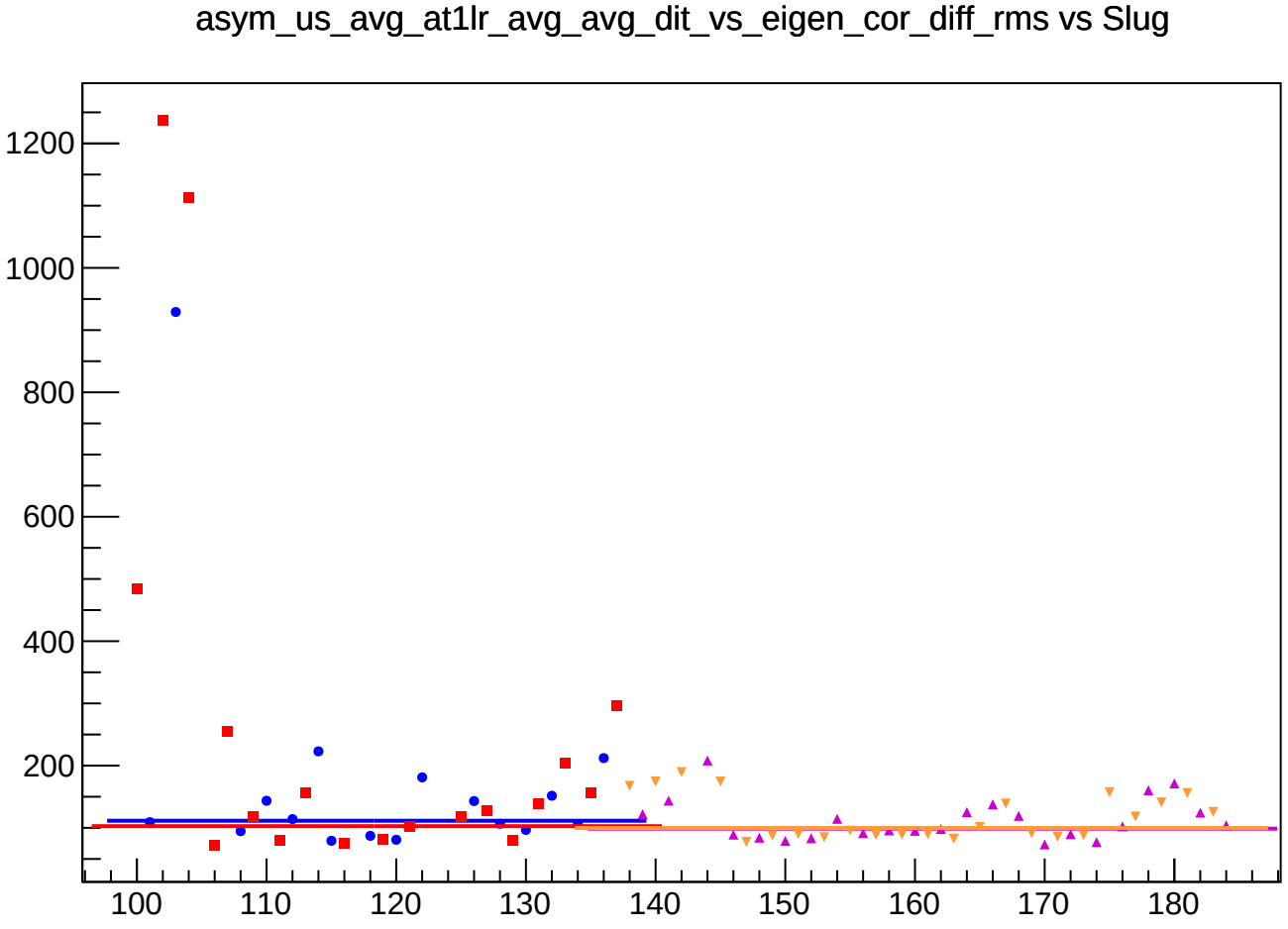
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

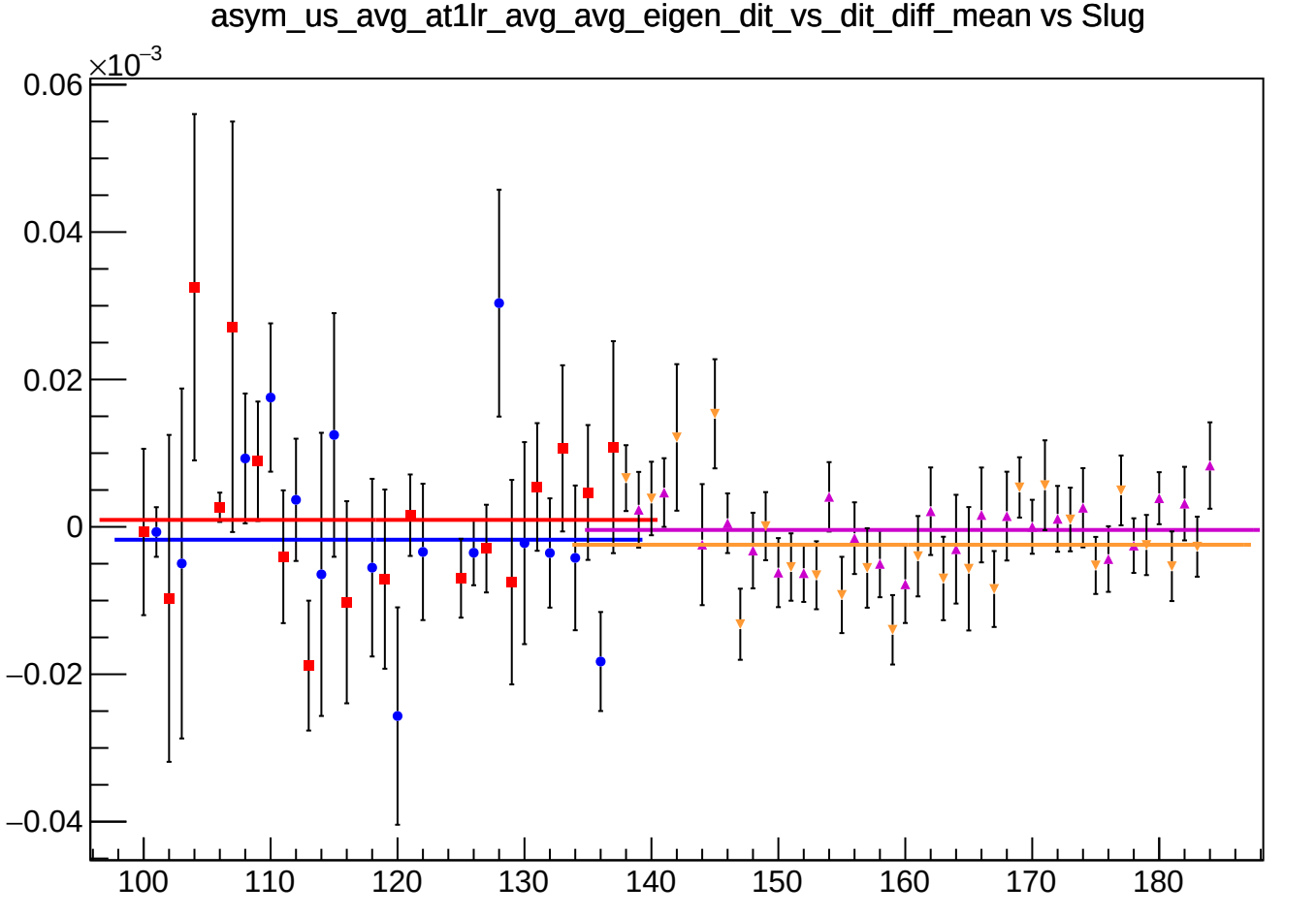
Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.023 χ^2/NDF: 43.1/38

All: 0.020+/-0.016 χ^2/NDF: 93.4/79

- sign 0.047+/-0.022 χ^2/NDF: 47.2/40


asym_us_avg_at1lr_avg_avg_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: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 99.622+/-0.018 χ²/NDF:2070799.2/22
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
+ sign 102.253+/-0.016 χ²/NDF: 4005273.2/38
All: 100.886+/-0.011 χ²/NDF: 8861483.0/79
- sign 99.573+/-0.016 χ²/NDF: 4841744.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.8/22

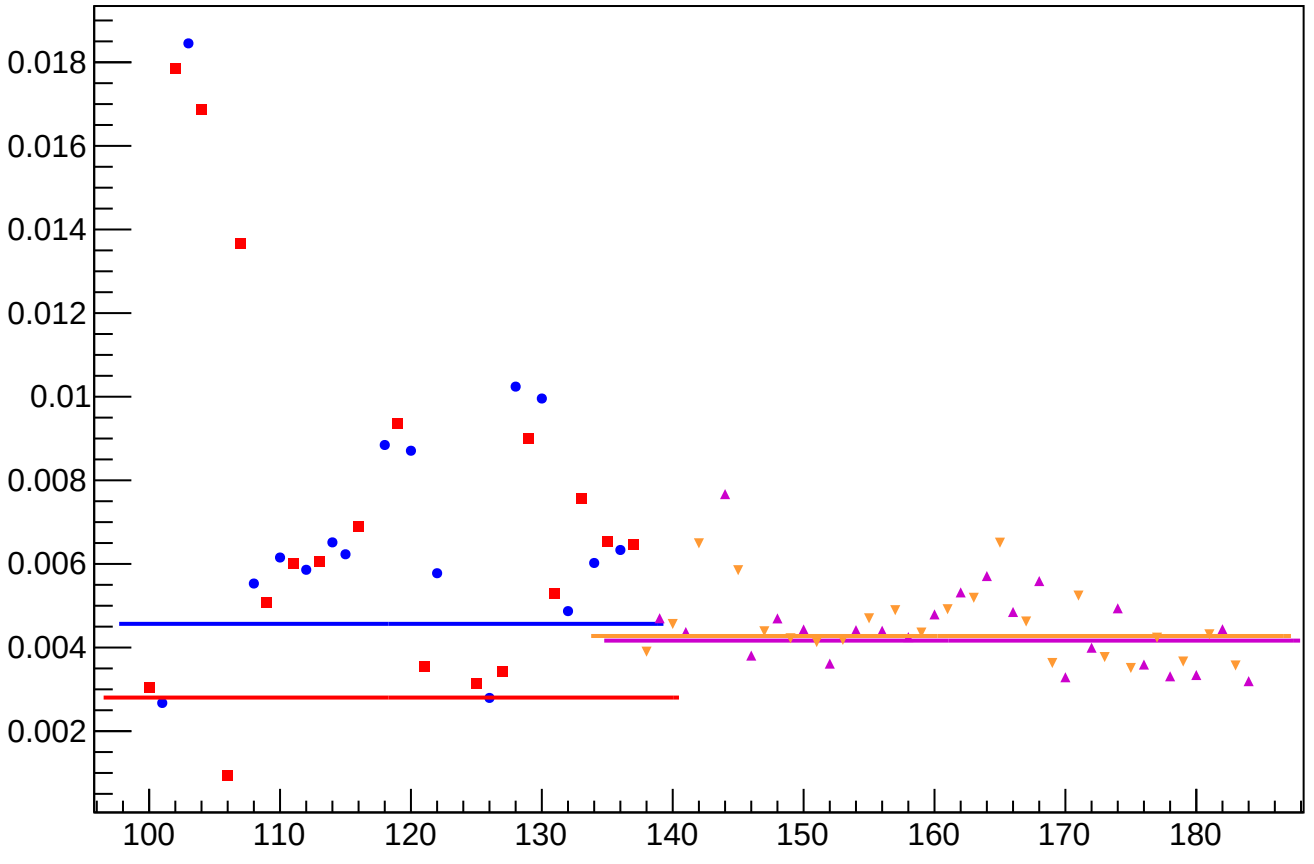
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/38

All: -0.000+/-0.000 χ^2/NDF: 95.6/79

- sign 0.000+/-0.000 χ^2/NDF: 32.2/40



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:796256.5/22

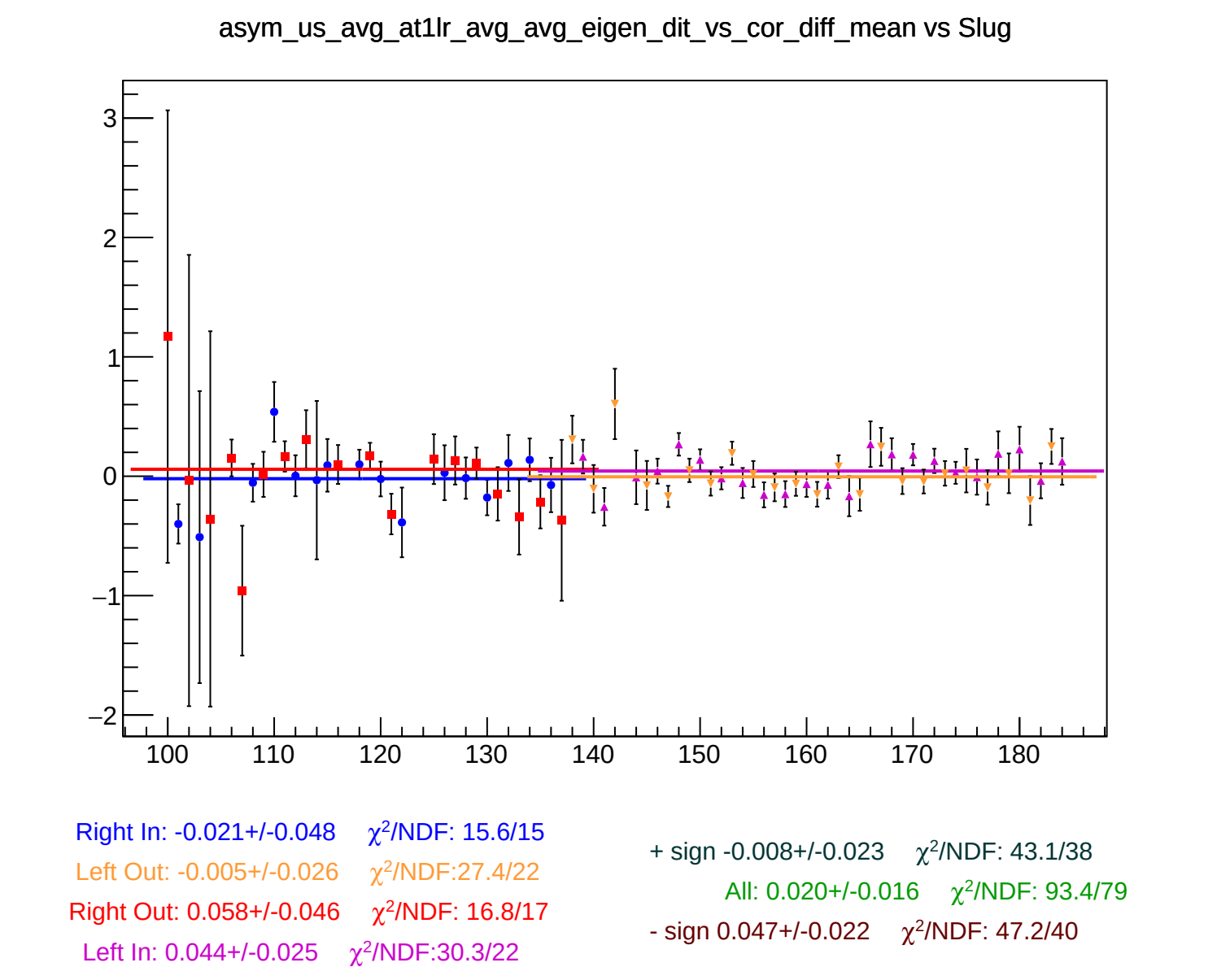
Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

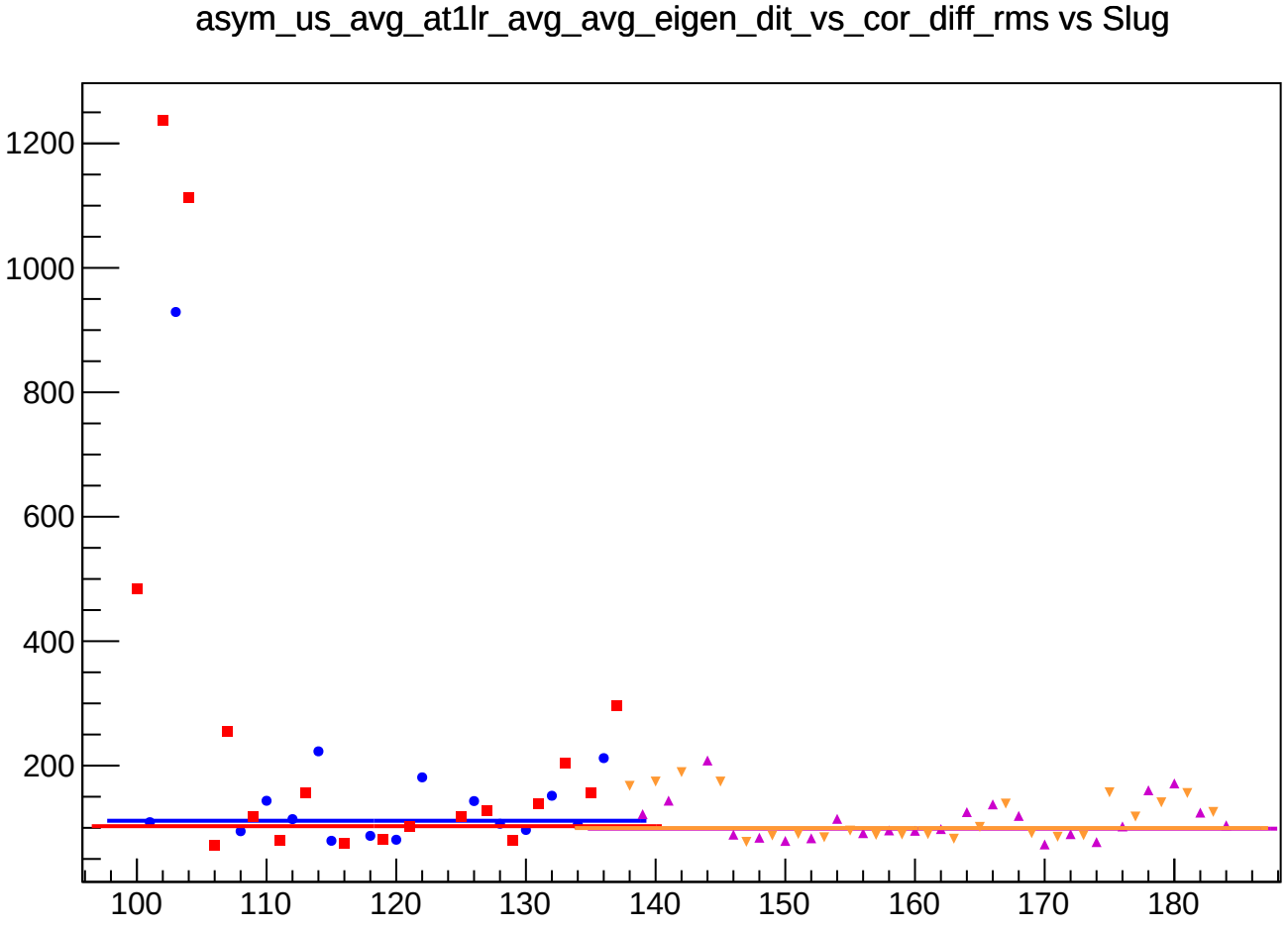
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 3843845.8/38

All: 0.004+/-0.000 χ^2/NDF: 13379482.5/79

- sign 0.004+/-0.000 χ^2/NDF: 9056942.8/40


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.005+/-0.026 χ²/NDF:27.4/22
Right Out: 0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.008+/-0.023 χ²/NDF: 43.1/38
All: 0.020+/-0.016 χ²/NDF: 93.4/79
- sign 0.047+/-0.022 χ²/NDF: 47.2/40



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 99.622+/-0.018 χ^2/NDF:2070764.7/22

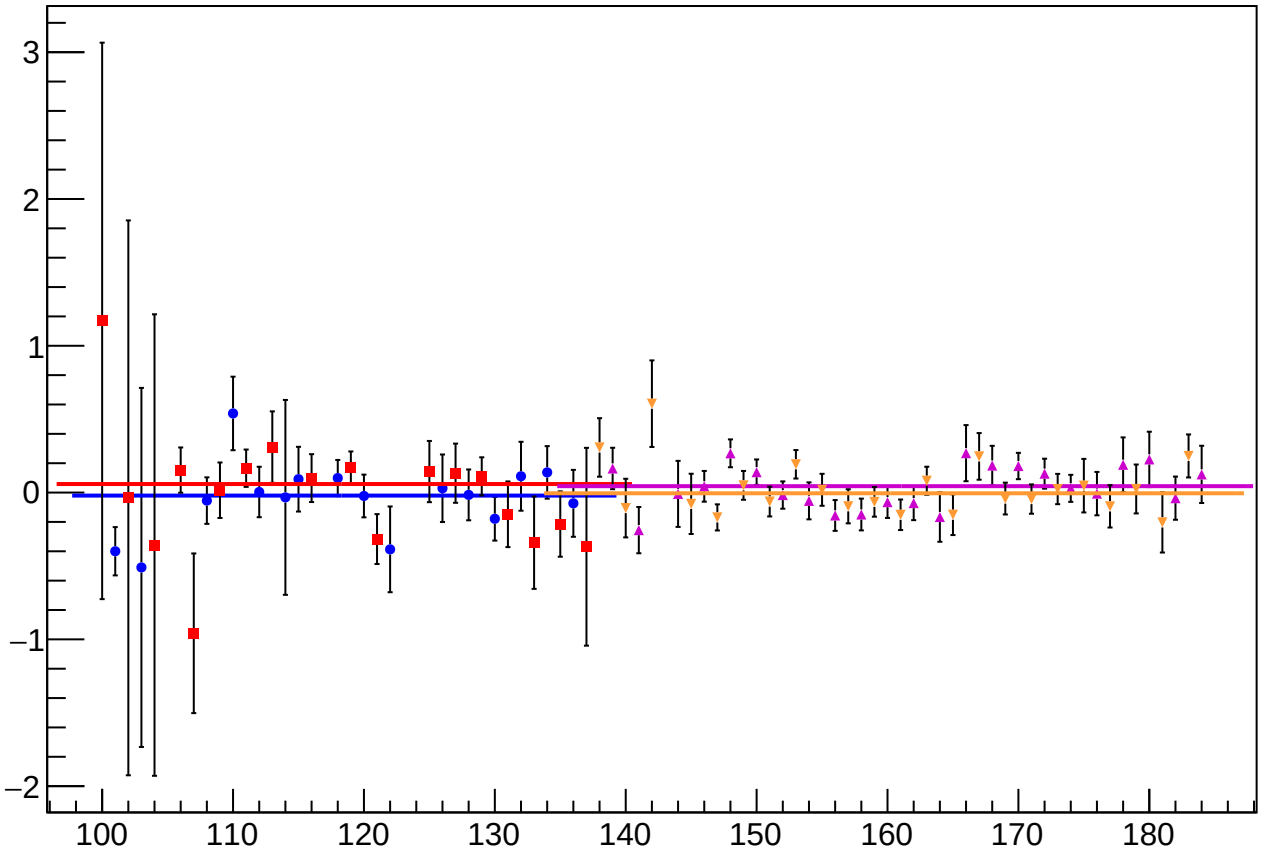
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.253+/-0.016 χ^2/NDF: 4005232.5/38

All: 100.886+/-0.011 χ^2/NDF: 8861394.7/79

- sign 99.573+/-0.016 χ^2/NDF: 4841696.5/40



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.026 χ^2/NDF:27.4/22

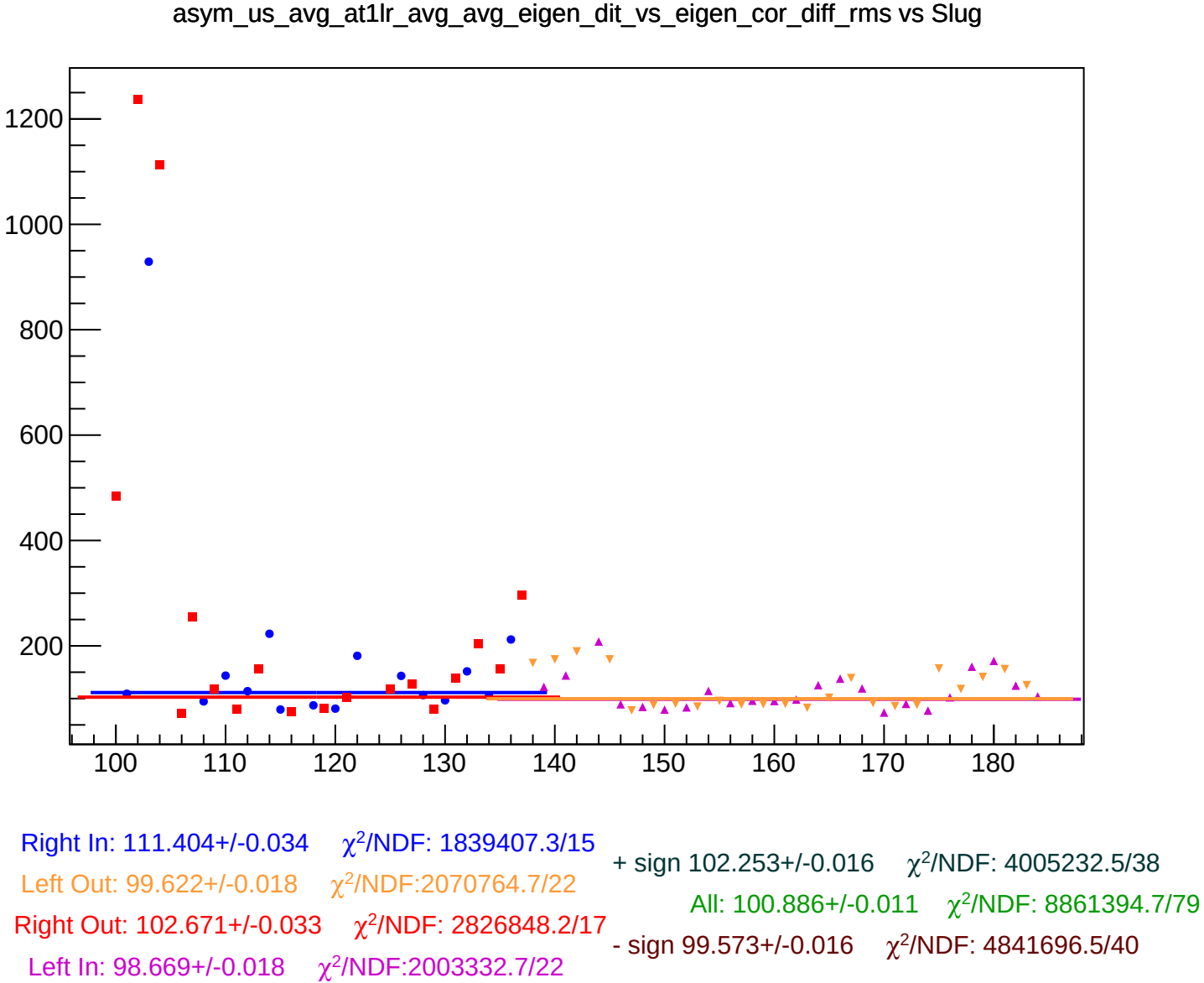
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.023 χ^2/NDF: 43.1/38

All: 0.020+/-0.016 χ^2/NDF: 93.4/79

- sign 0.047+/-0.022 χ^2/NDF: 47.2/40


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
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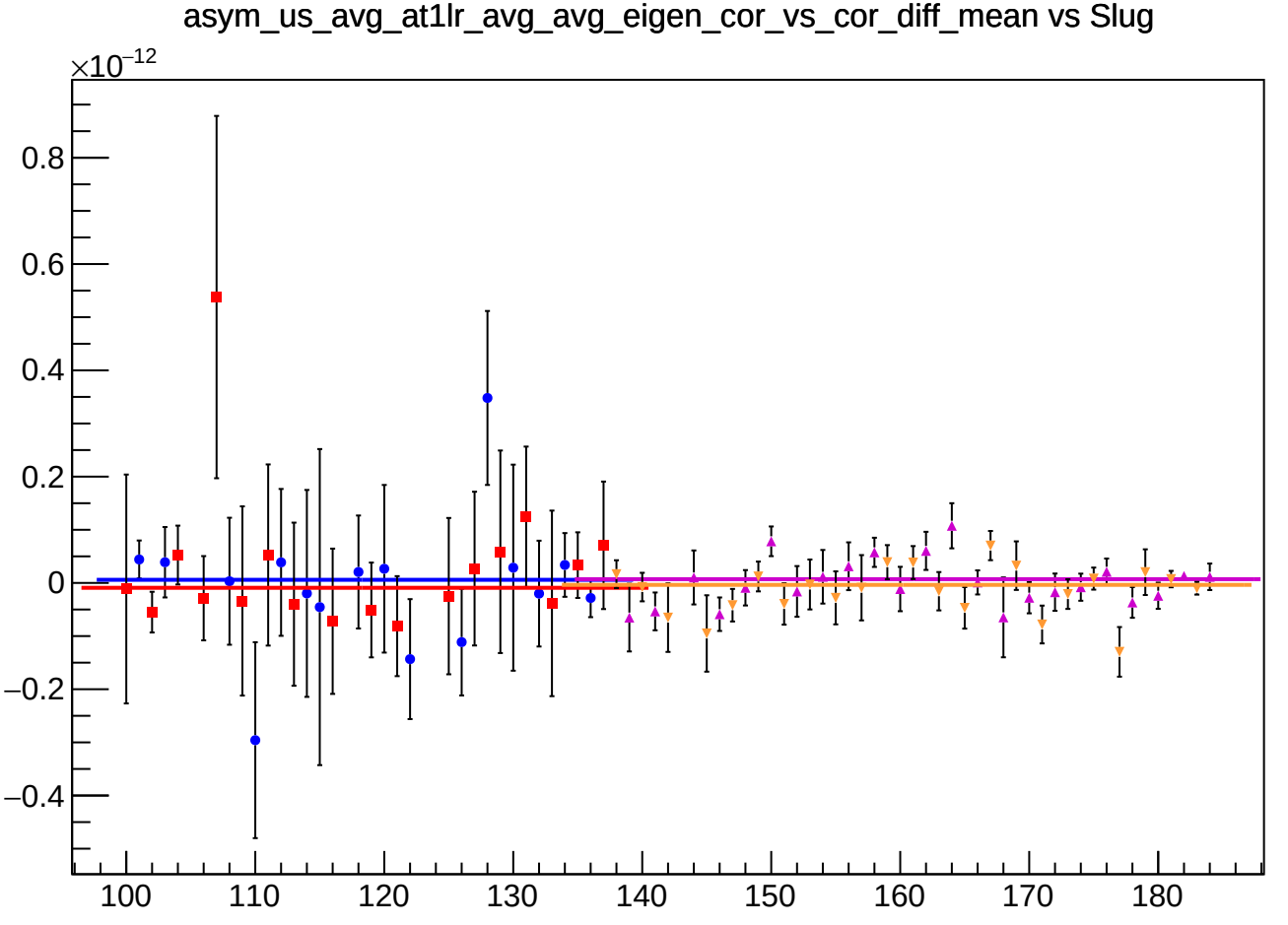
100
110
120
130
140
150
160
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 99.622+/-0.018 χ²/NDF:2070764.7/22
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 102.253+/-0.016 χ²/NDF: 4005232.5/38
All: 100.886+/-0.011 χ²/NDF: 8861394.7/79
- sign 99.573+/-0.016 χ²/NDF: 4841696.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/22

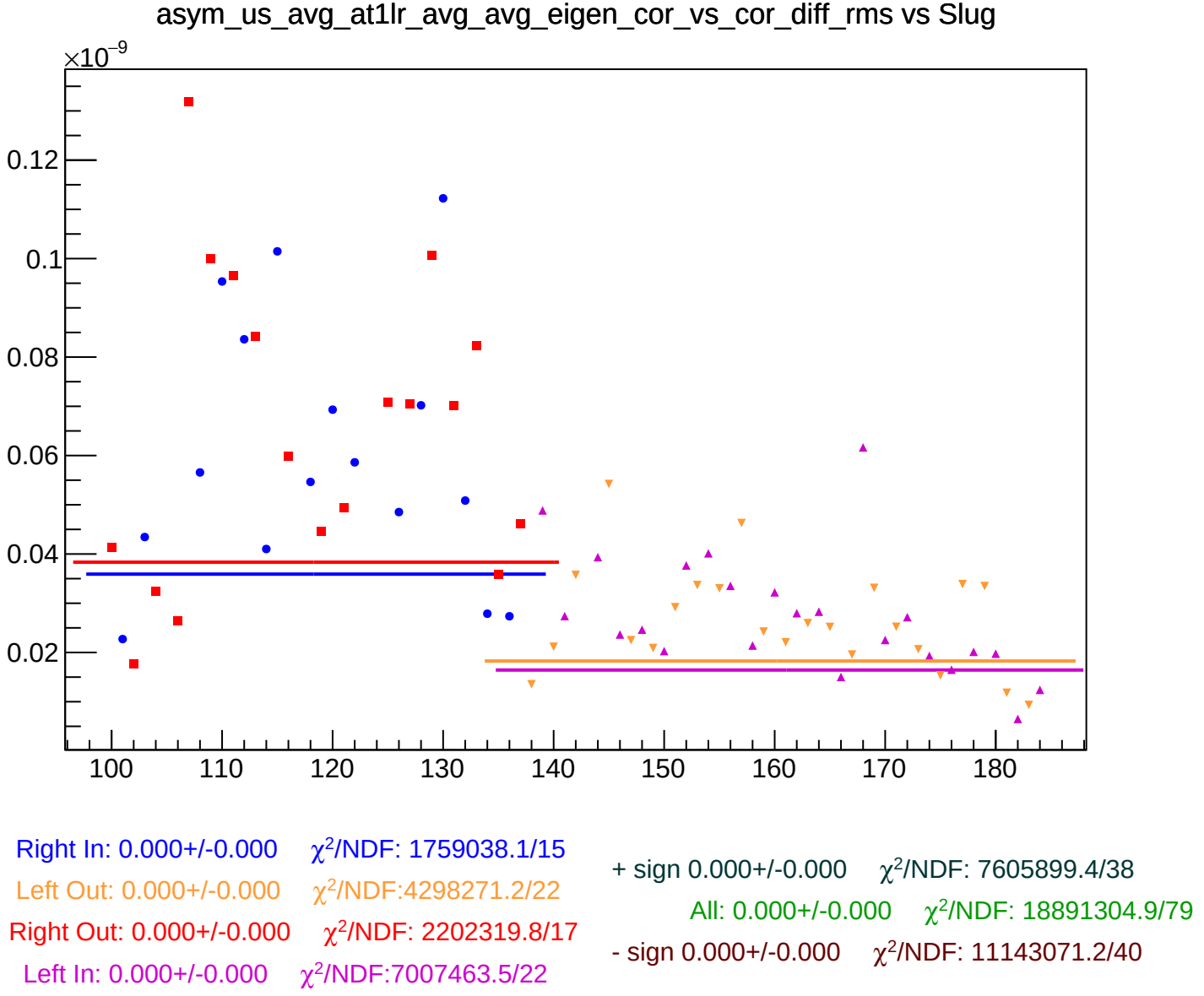
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

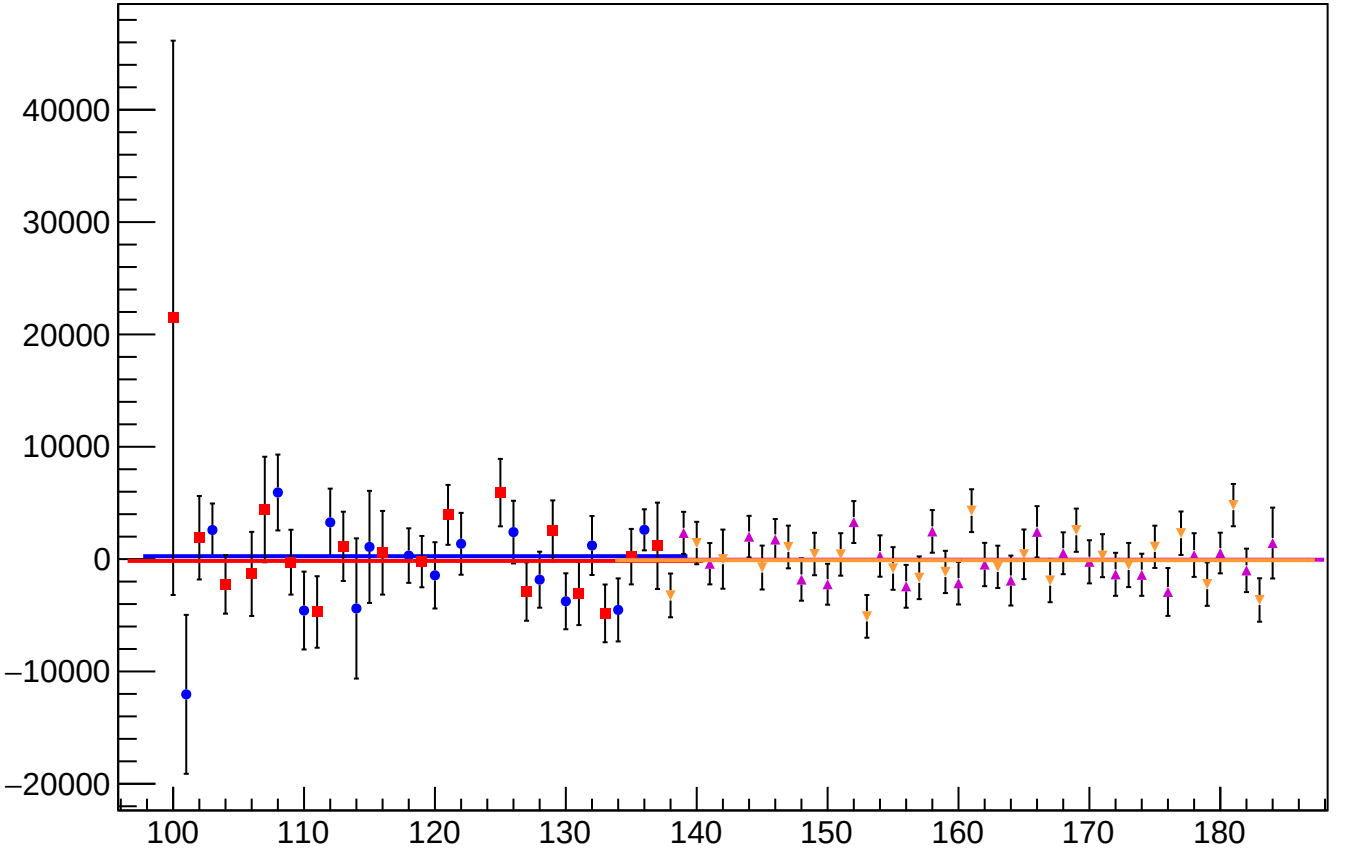
+ sign -0.000+/-0.000 χ^2/NDF: 45.5/38

All: 0.000+/-0.000 χ^2/NDF: 91.3/79

- sign 0.000+/-0.000 χ^2/NDF: 44.4/40


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:7007463.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7605899.4/38
All: 0.000+/-0.000 χ²/NDF: 18891304.9/79
- sign 0.000+/-0.000 χ²/NDF: 11143071.2/40

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

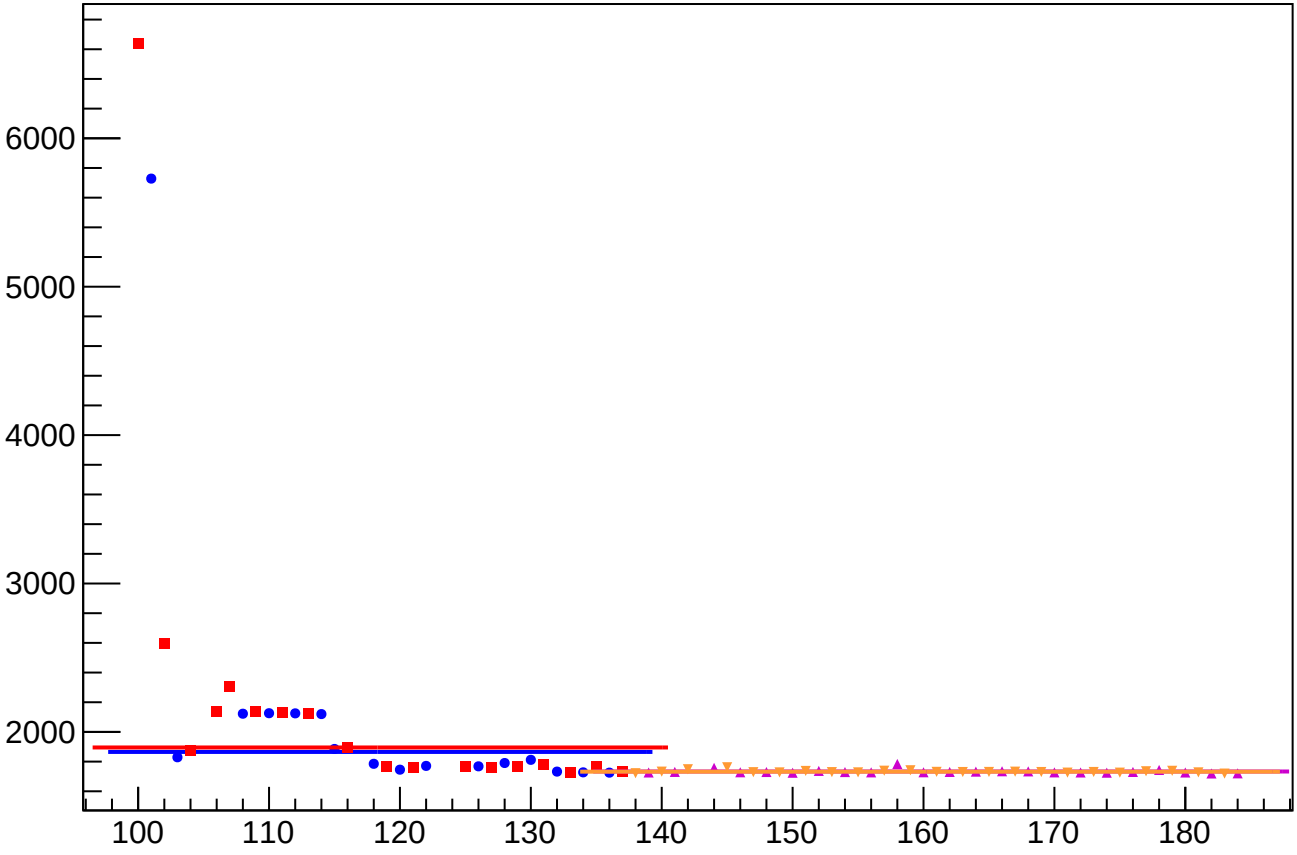
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

\+ sign -10.398+/-351.660 χ^2/NDF: 53.3/38

All: -44.574+/-248.737 χ^2/NDF: 90.8/79

\- sign -78.793+/-351.876 χ^2/NDF: 37.5/40

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

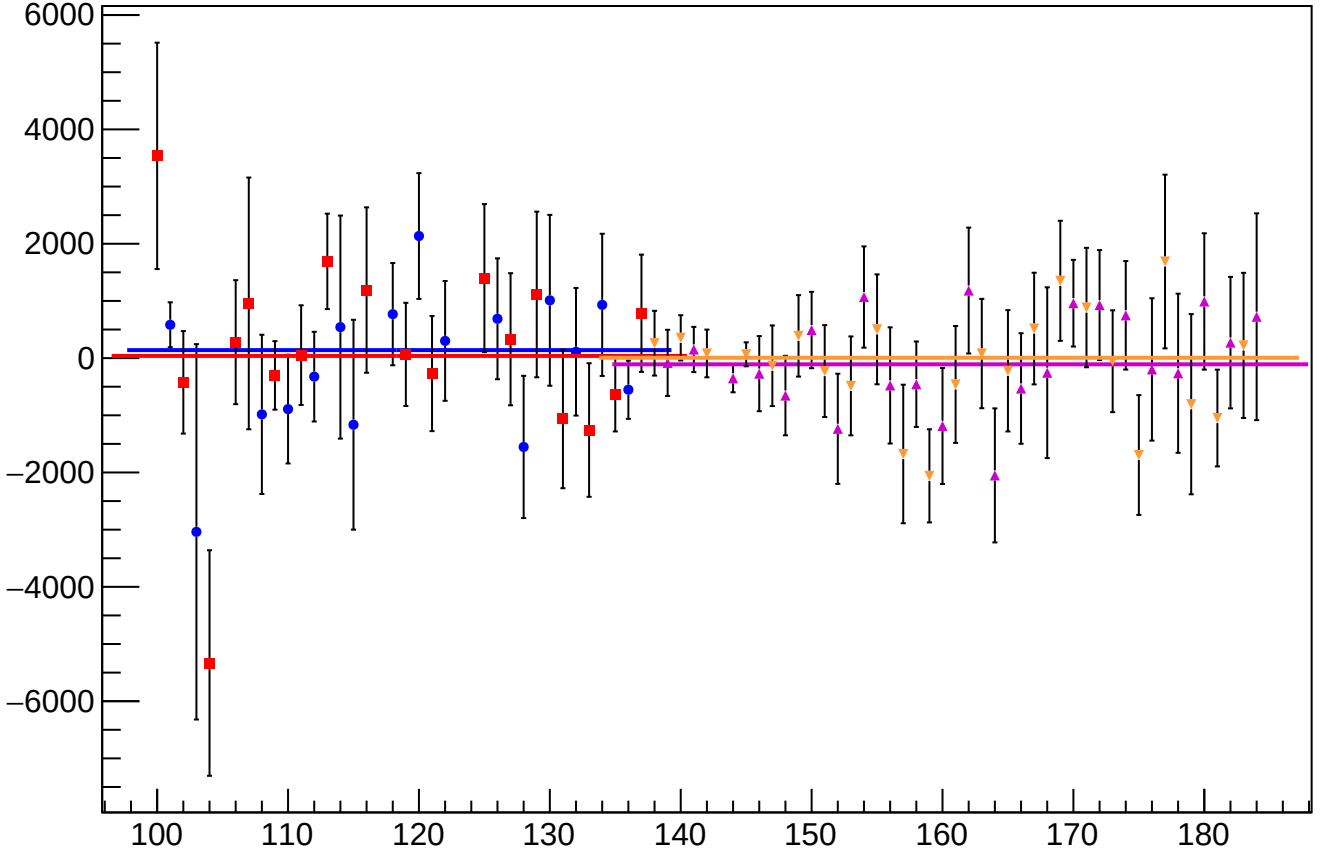
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.838+/-0.249 χ^2/NDF: 726607.3/38

All: 1768.832+/-0.176 χ^2/NDF: 1058300.5/79

- sign 1772.832+/-0.249 χ^2/NDF: 331176.9/40



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 6.028+/-130.277 χ^2/NDF:19.1/22

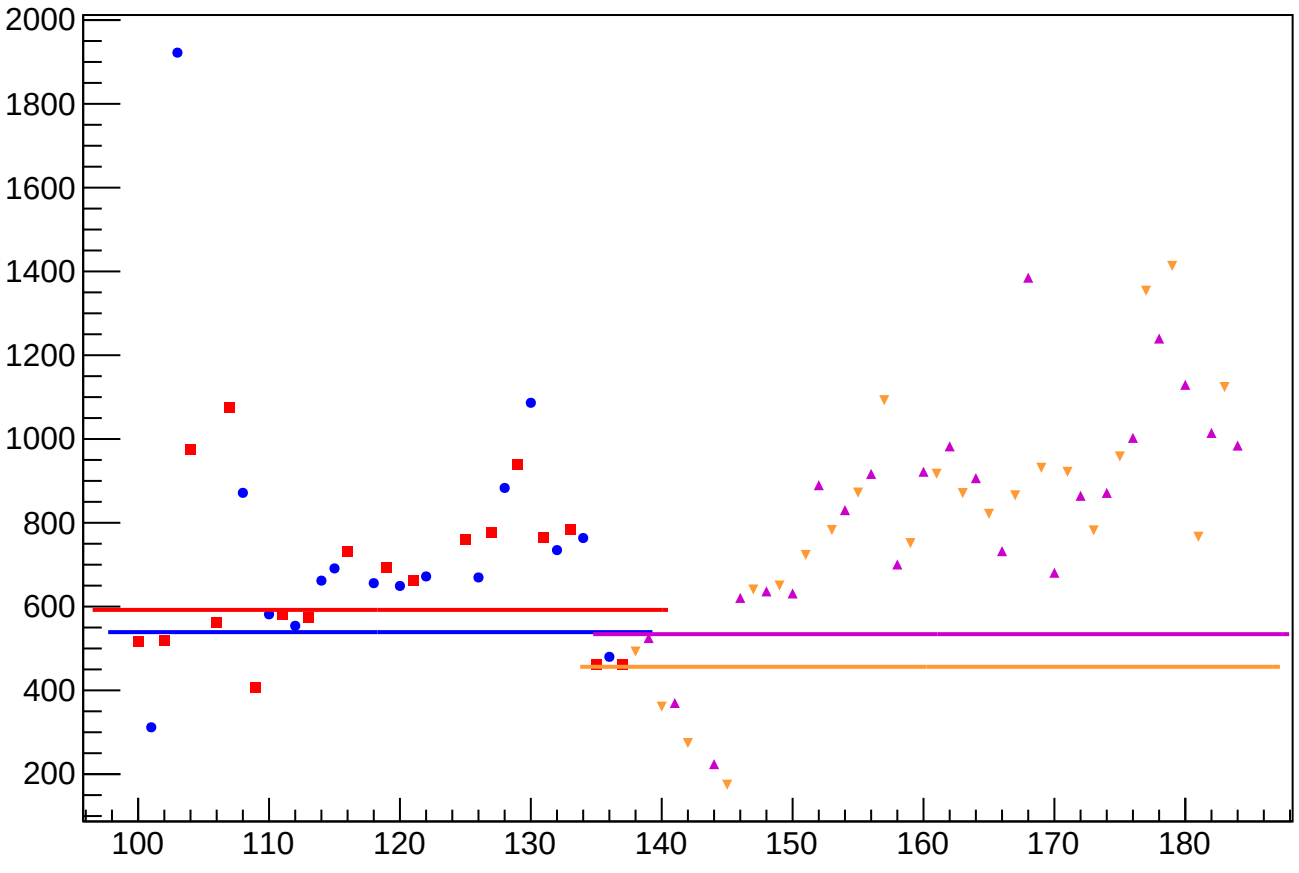
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 40.735+/-112.110 χ^2/NDF: 32.8/38

All: -9.293+/-82.798 χ^2/NDF: 71.9/79

- sign -69.325+/-122.809 χ^2/NDF: 38.7/40



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 456.269+/-0.092 χ^2/NDF:11244464.4/22

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

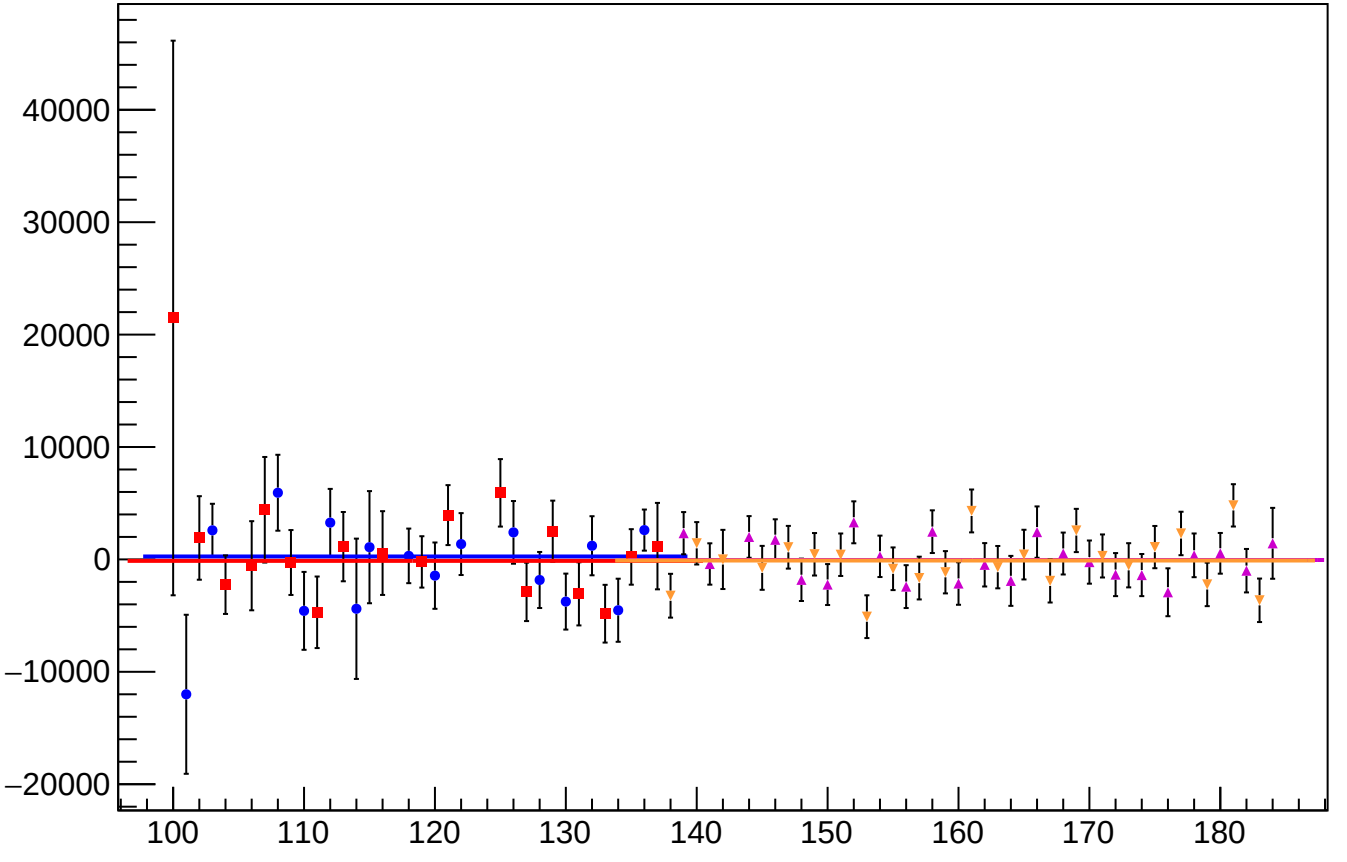
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 477.737+/-0.079 χ^2/NDF: 13308381.9/38

All: 510.382+/-0.059 χ^2/NDF: 23054663.6/79

- sign 549.555+/-0.087 χ^2/NDF: 9373213.5/40

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

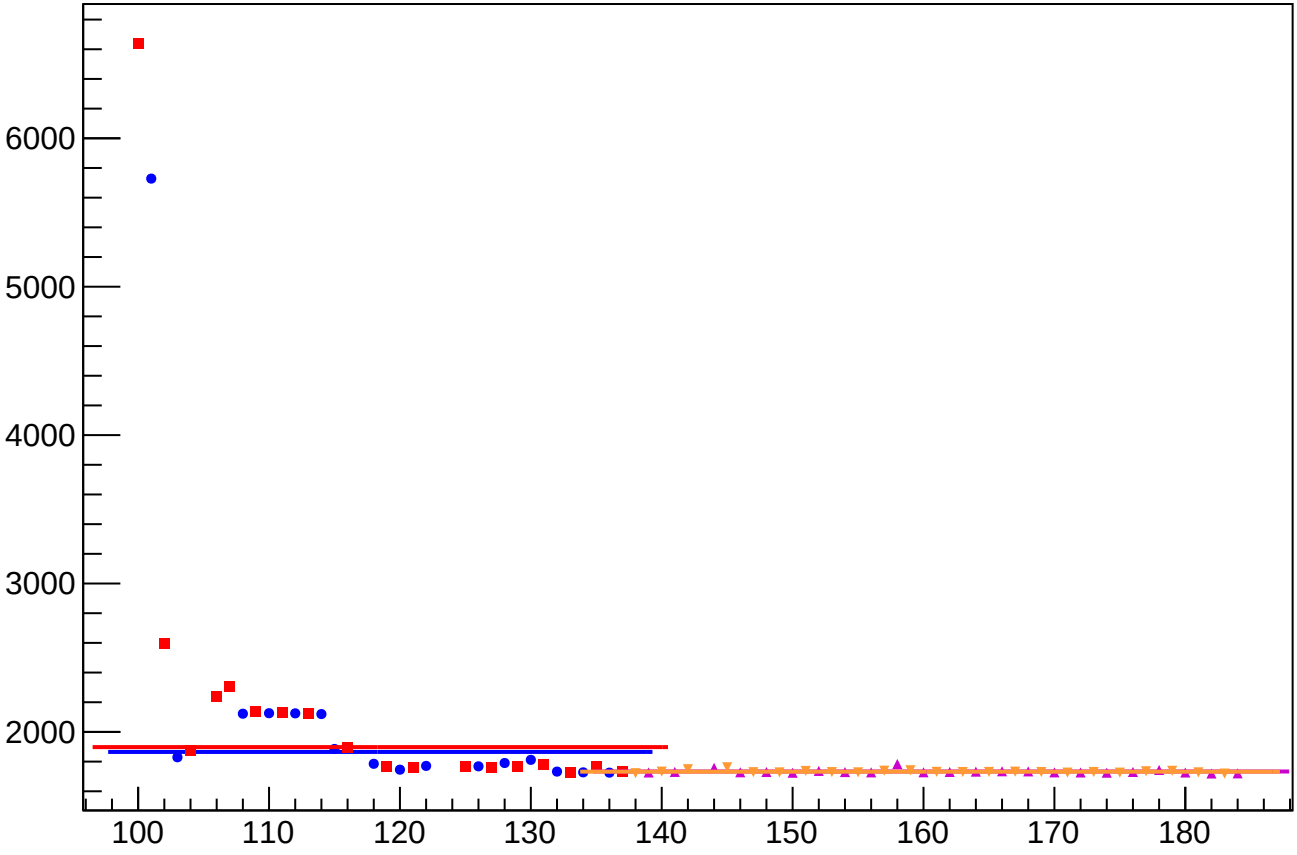
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

\+ sign -10.310+/-351.660 χ^2/NDF: 53.2/38

All: -40.886+/-248.797 χ^2/NDF: 90.7/79

\- sign -71.529+/-352.046 χ^2/NDF: 37.4/40

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

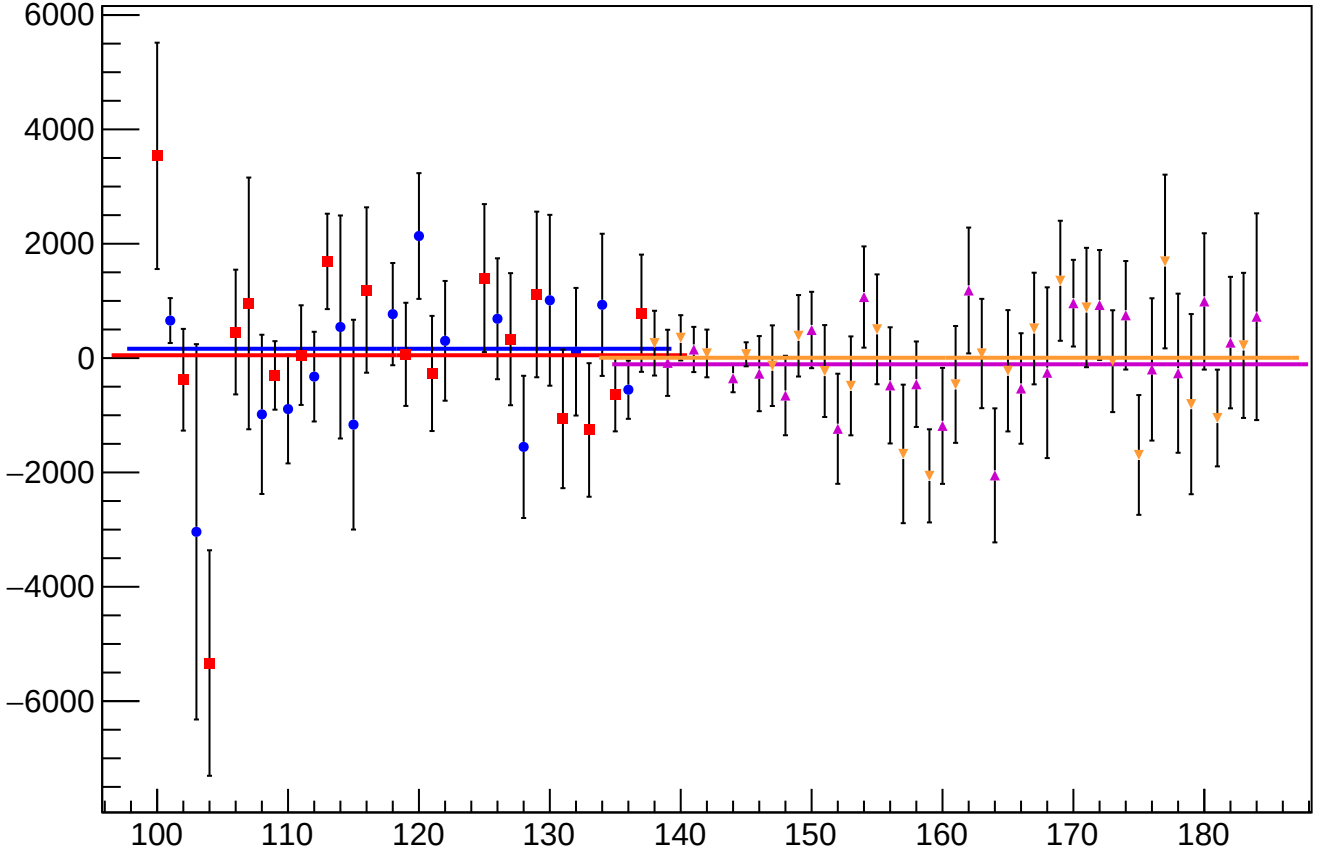
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.838+/-0.249 χ^2/NDF: 726607.1/38

All: 1769.069+/-0.176 χ^2/NDF: 1067434.5/79

- sign 1773.310+/-0.249 χ^2/NDF: 340247.7/40



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

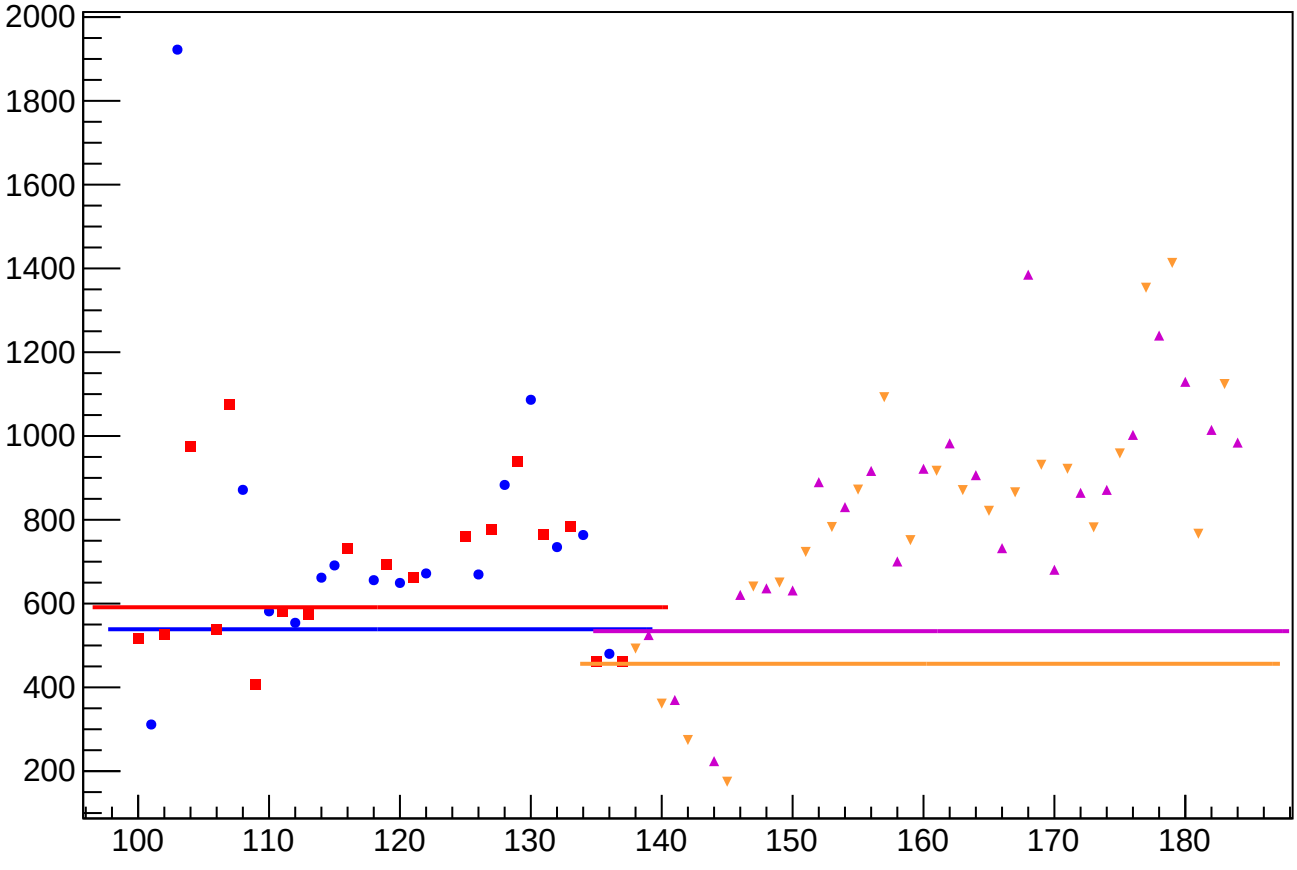
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 46.725+/-112.101 χ^2/NDF: 33.3/38

All: -4.682+/-82.793 χ^2/NDF: 72.6/79

- sign -66.370+/-122.801 χ^2/NDF: 38.8/40

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 456.279+/-0.092 χ^2/NDF:11244057.2/22

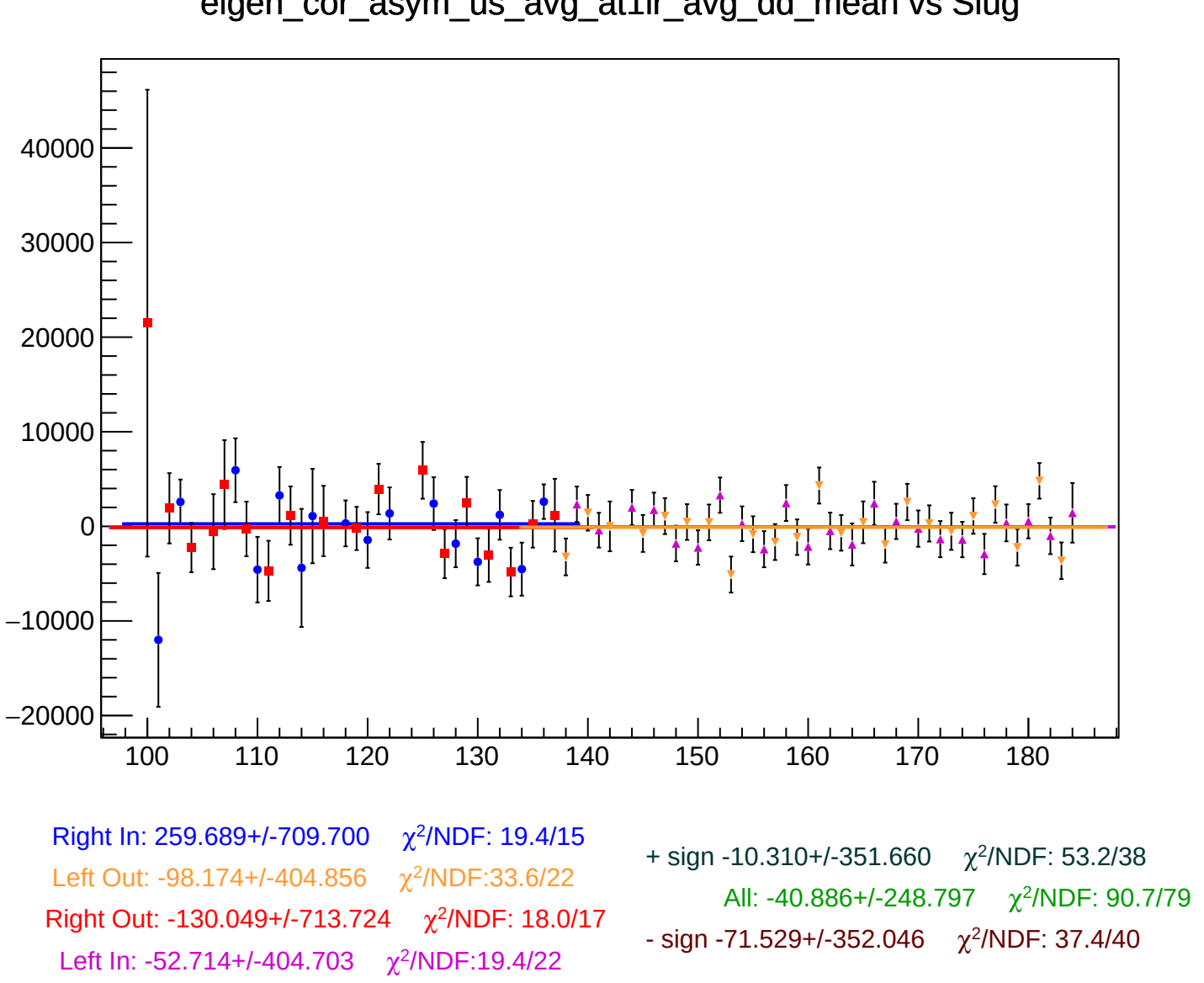
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

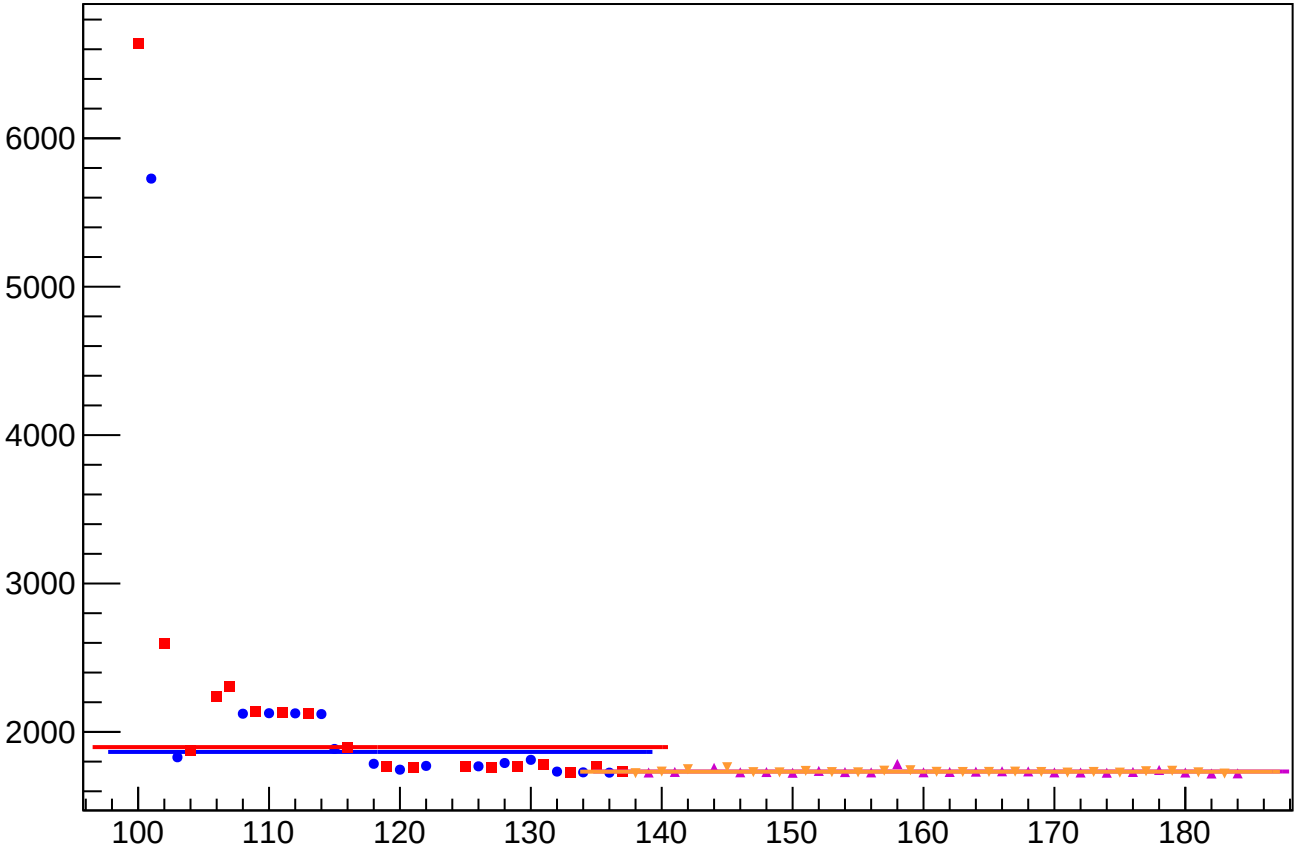
+ sign 477.675+/-0.079 χ^2/NDF: 13310764.4/38

All: 510.249+/-0.059 χ^2/NDF: 23053923.7/79

- sign 549.338+/-0.087 χ^2/NDF: 9371651.4/40


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -98.174+/-404.856 χ²/NDF:33.6/22
Right Out: -130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -52.714+/-404.703 χ²/NDF:19.4/22
+ sign -10.310+/-351.660 χ²/NDF: 53.2/38
All: -40.886+/-248.797 χ²/NDF: 90.7/79
- sign -71.529+/-352.046 χ²/NDF: 37.4/40

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

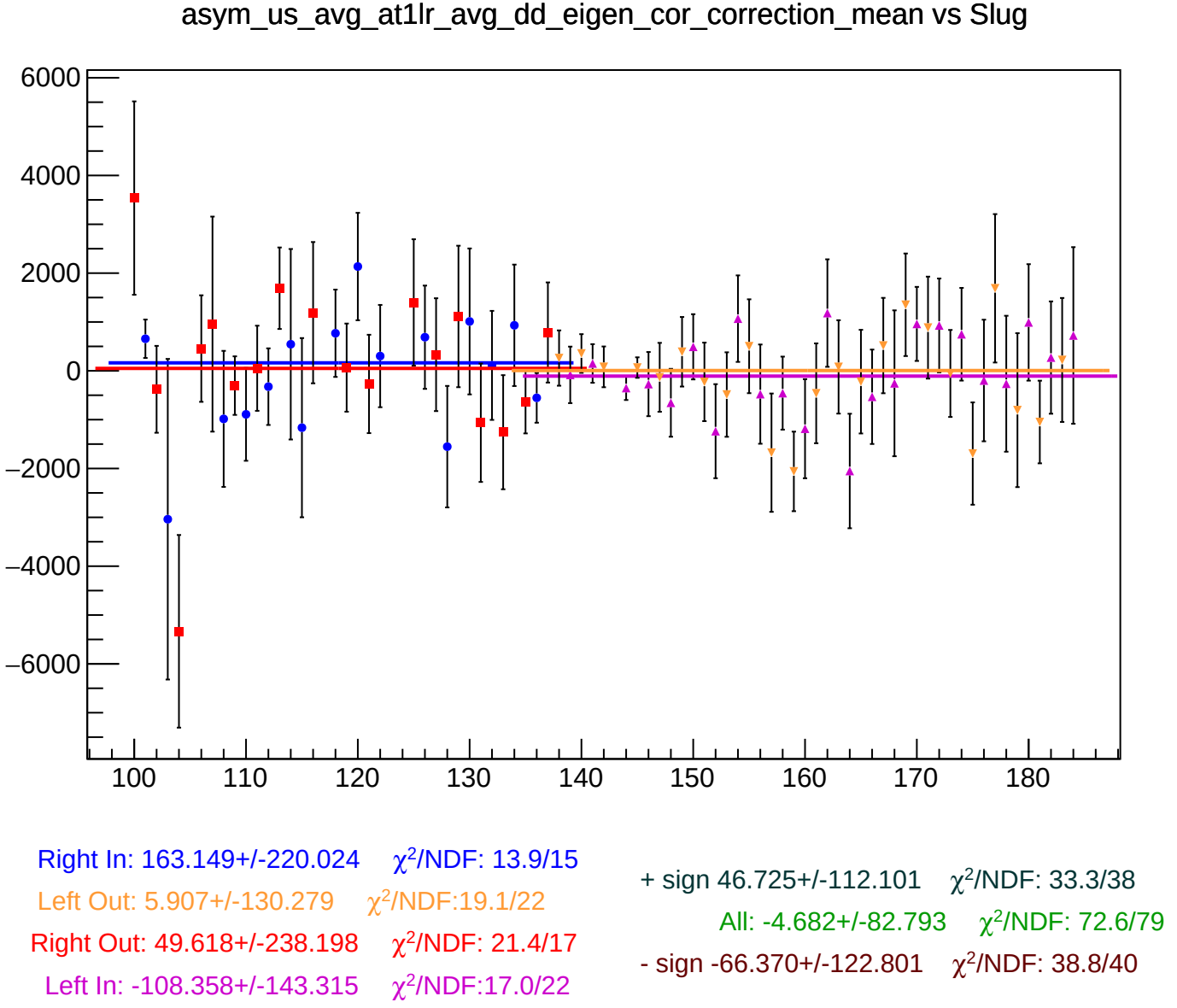
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

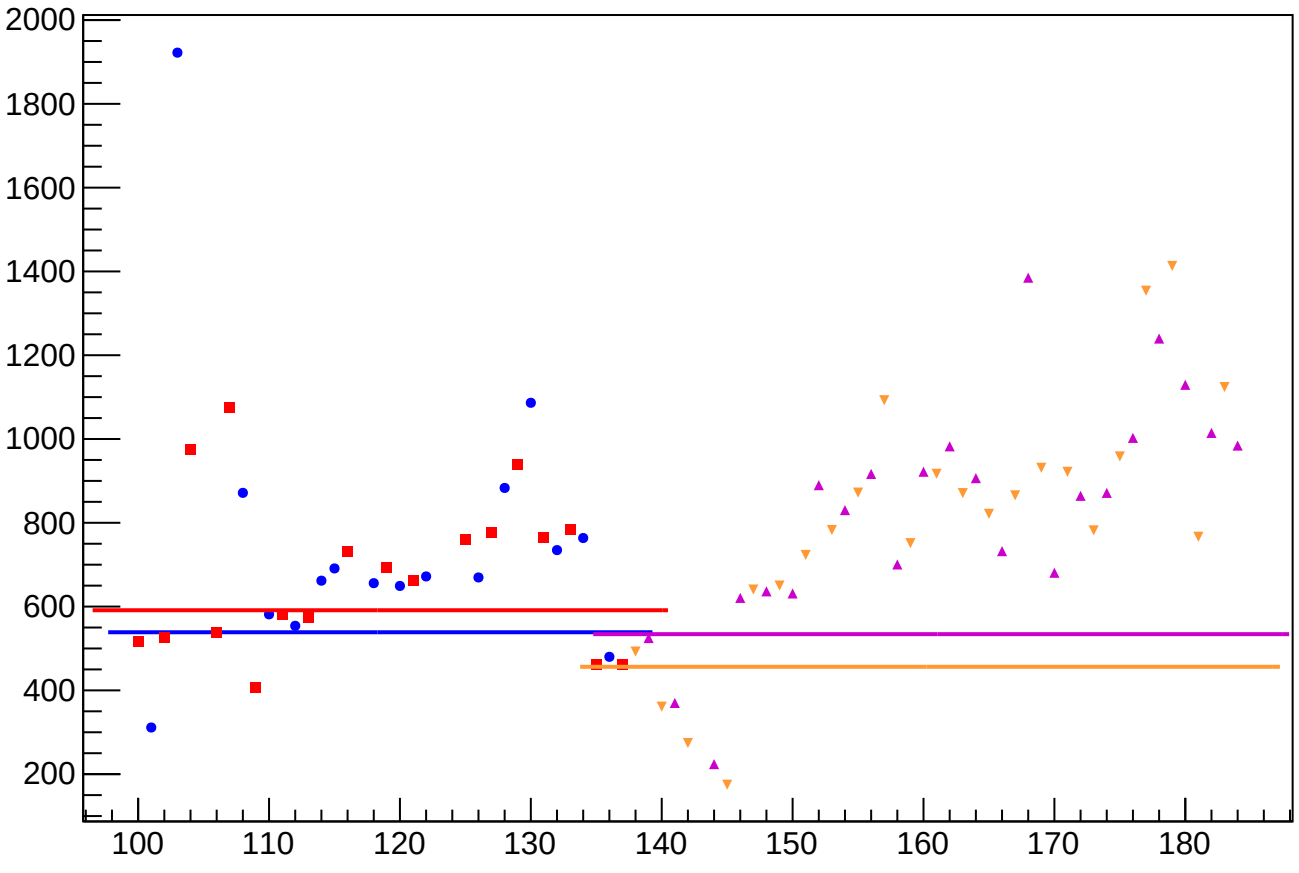
Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.838+/-0.249 χ^2/NDF: 726607.1/38

All: 1769.069+/-0.176 χ^2/NDF: 1067434.5/79

- sign 1773.310+/-0.249 χ^2/NDF: 340247.7/40


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 5.907+/-130.279 χ²/NDF:19.1/22
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -108.358+/-143.315 χ²/NDF:17.0/22
+ sign 46.725+/-112.101 χ²/NDF: 33.3/38
All: -4.682+/-82.793 χ²/NDF: 72.6/79
- sign -66.370+/-122.801 χ²/NDF: 38.8/40



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

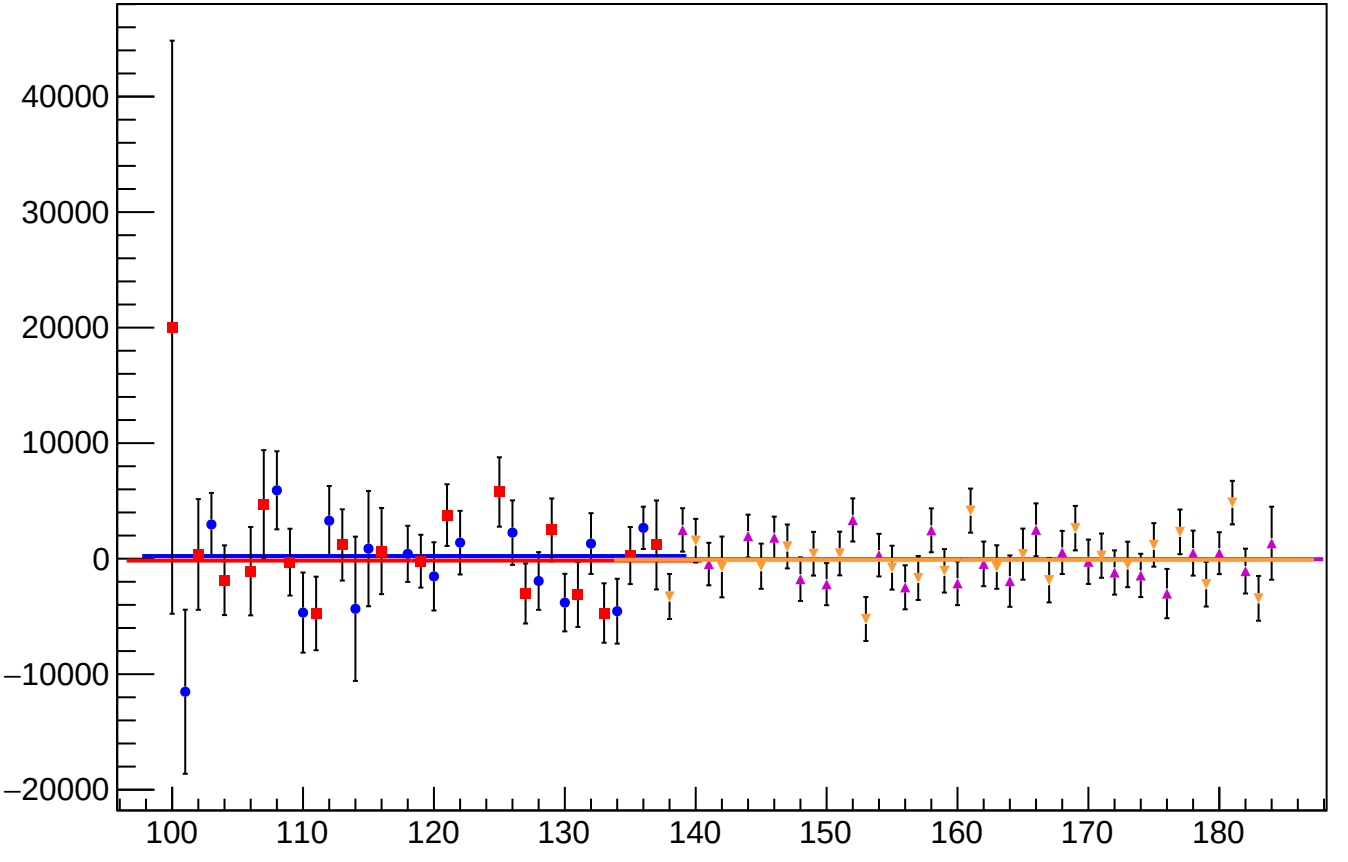
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 477.675+/-0.079 χ^2/NDF: 13310764.4/38

All: 510.249+/-0.059 χ^2/NDF: 23053923.7/79

- sign 549.338+/-0.087 χ^2/NDF: 9371651.4/40

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

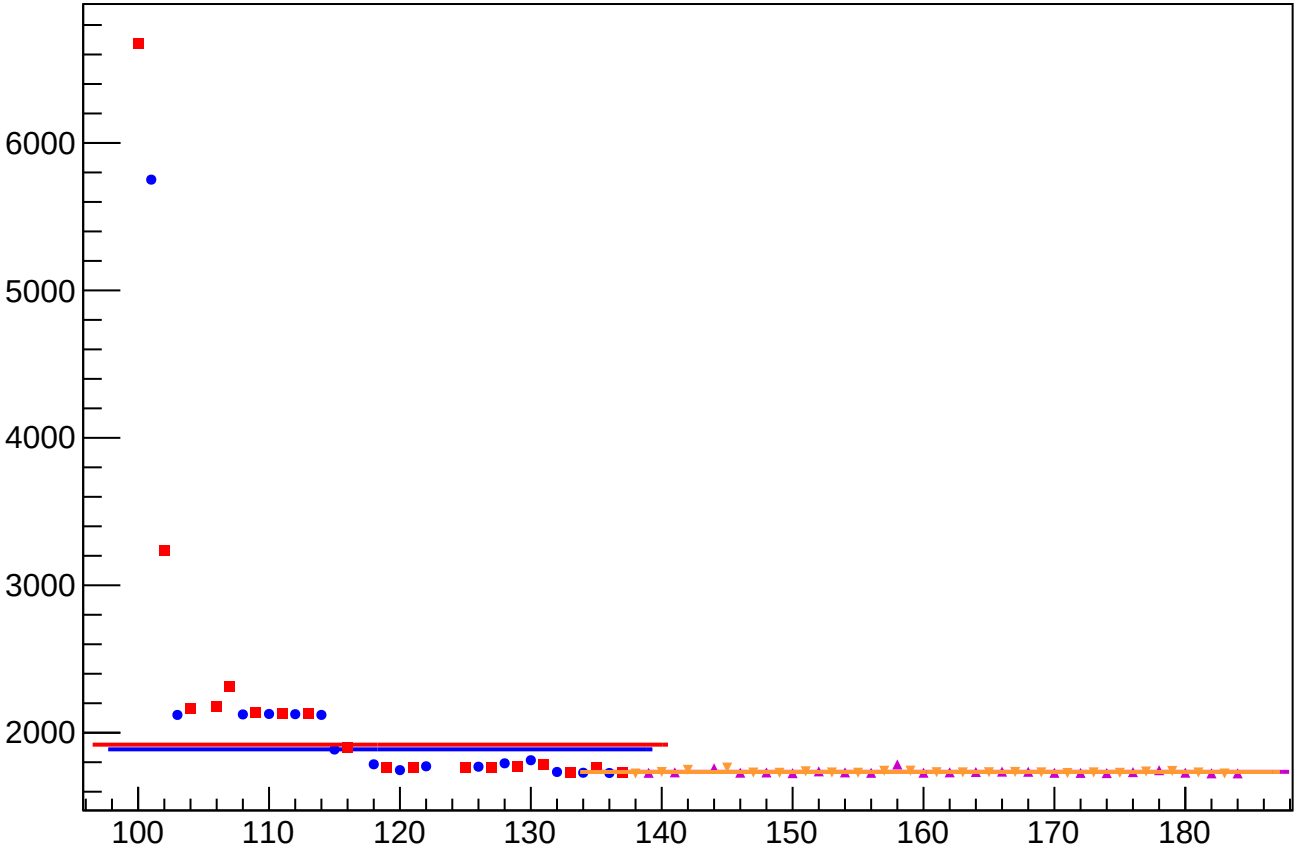
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign -18.385+/-352.952 χ^2/NDF: 53.1/38

All: -44.766+/-249.839 χ^2/NDF: 90.0/79

\- sign -71.259+/-353.700 χ^2/NDF: 36.9/40

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

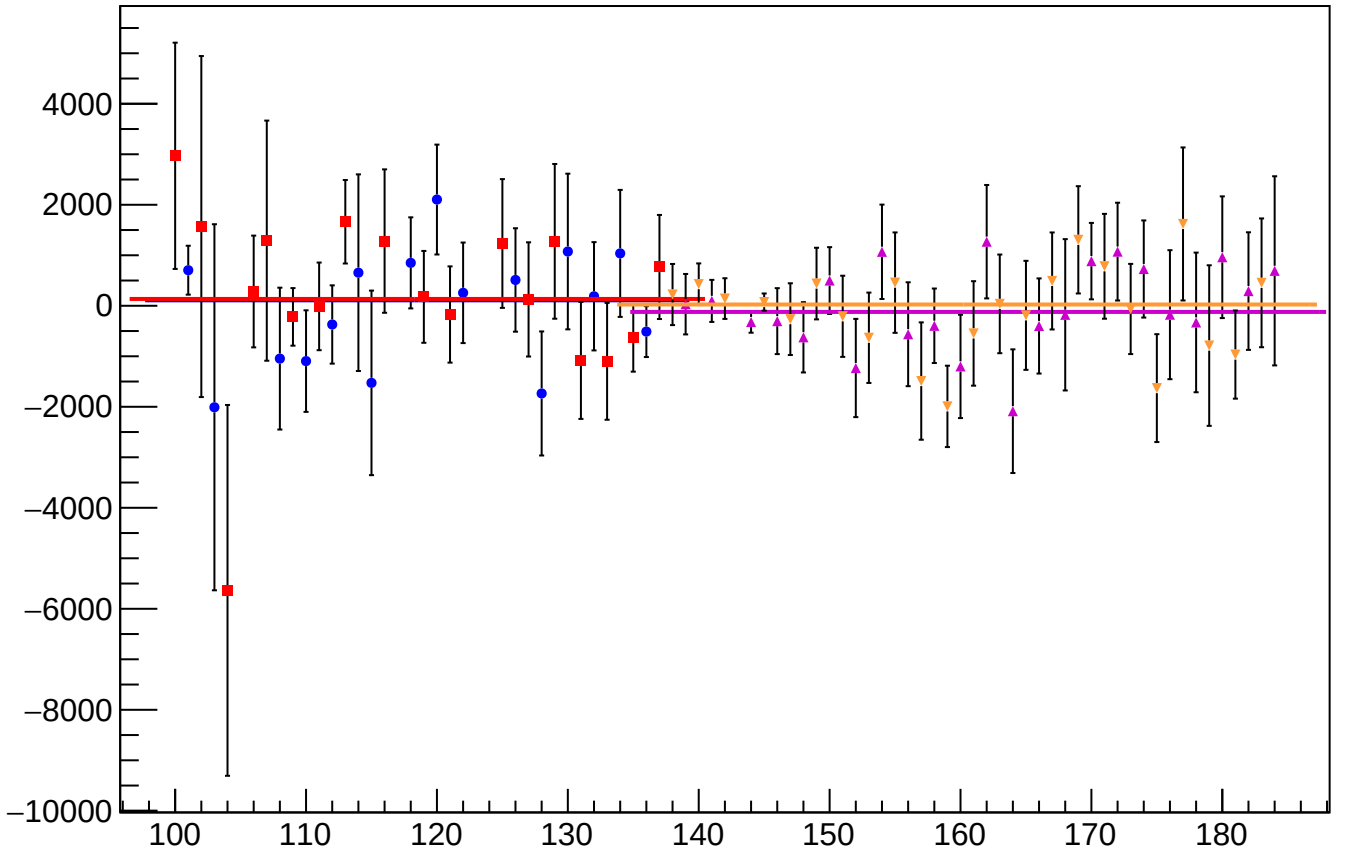
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.741+/-0.250 χ^2/NDF: 759684.4/38

All: 1774.658+/-0.177 χ^2/NDF: 1213311.5/79

- sign 1778.591+/-0.250 χ^2/NDF: 453133.4/40



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 25.183+/-119.521 χ^2/NDF:18.3/22

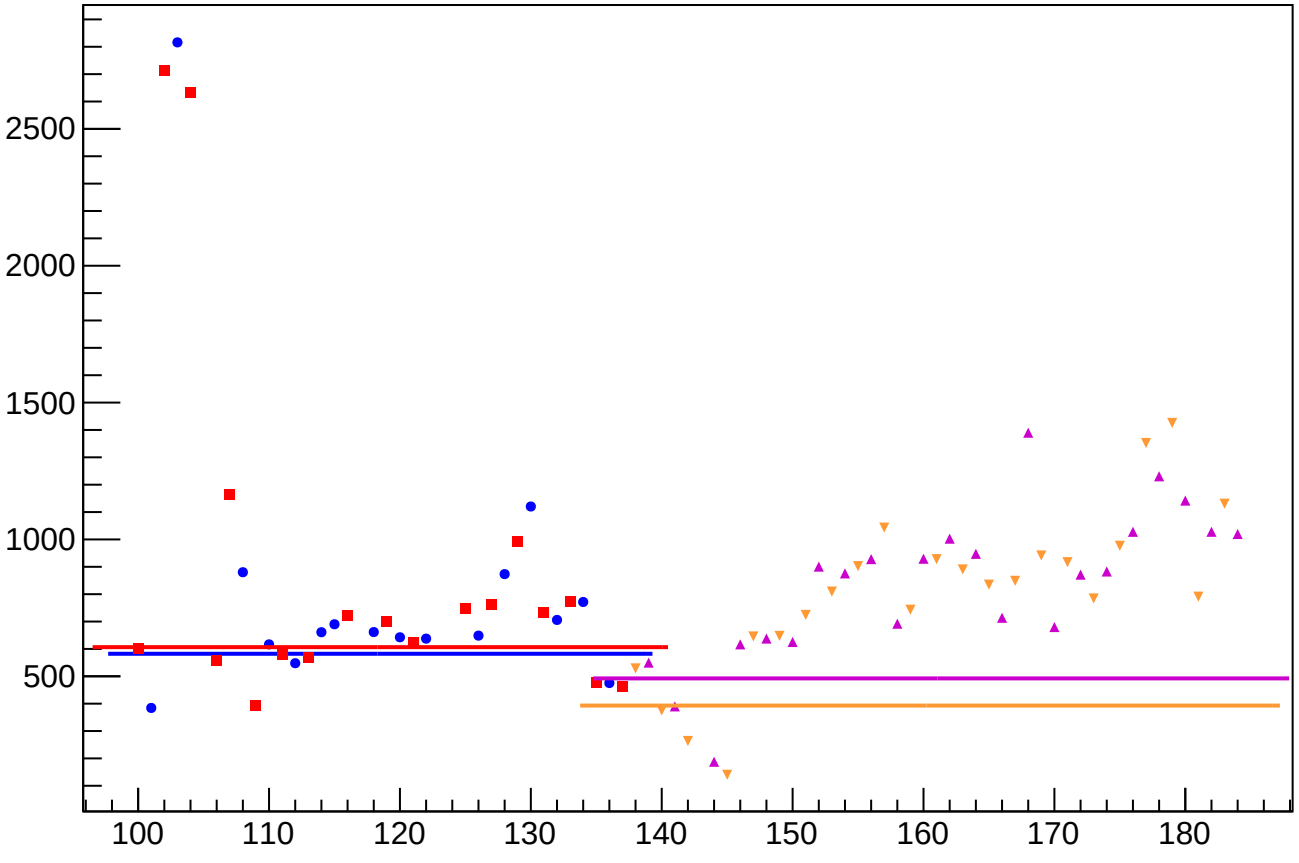
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 42.615+/-106.222 χ^2/NDF: 32.5/38

All: -2.877+/-79.474 χ^2/NDF: 64.6/79

- sign -60.725+/-119.783 χ^2/NDF: 31.7/40



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

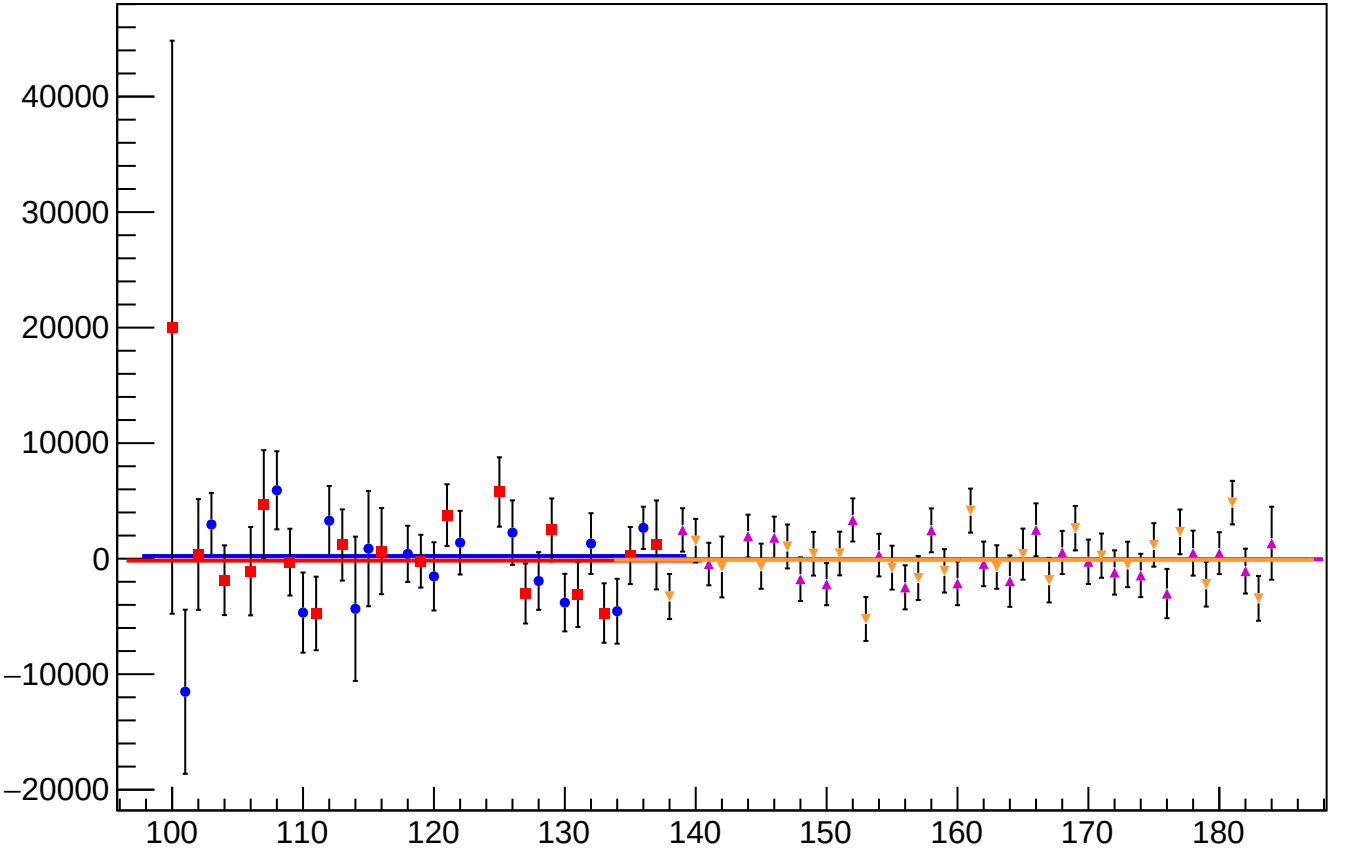
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 432.793+/-0.075 χ^2/NDF: 16932876.7/38

All: 470.907+/-0.056 χ^2/NDF: 30464419.8/79

- sign 519.375+/-0.085 χ^2/NDF: 12946594.3/40

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -96.175+/-405.203 χ^2/NDF:33.5/22

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

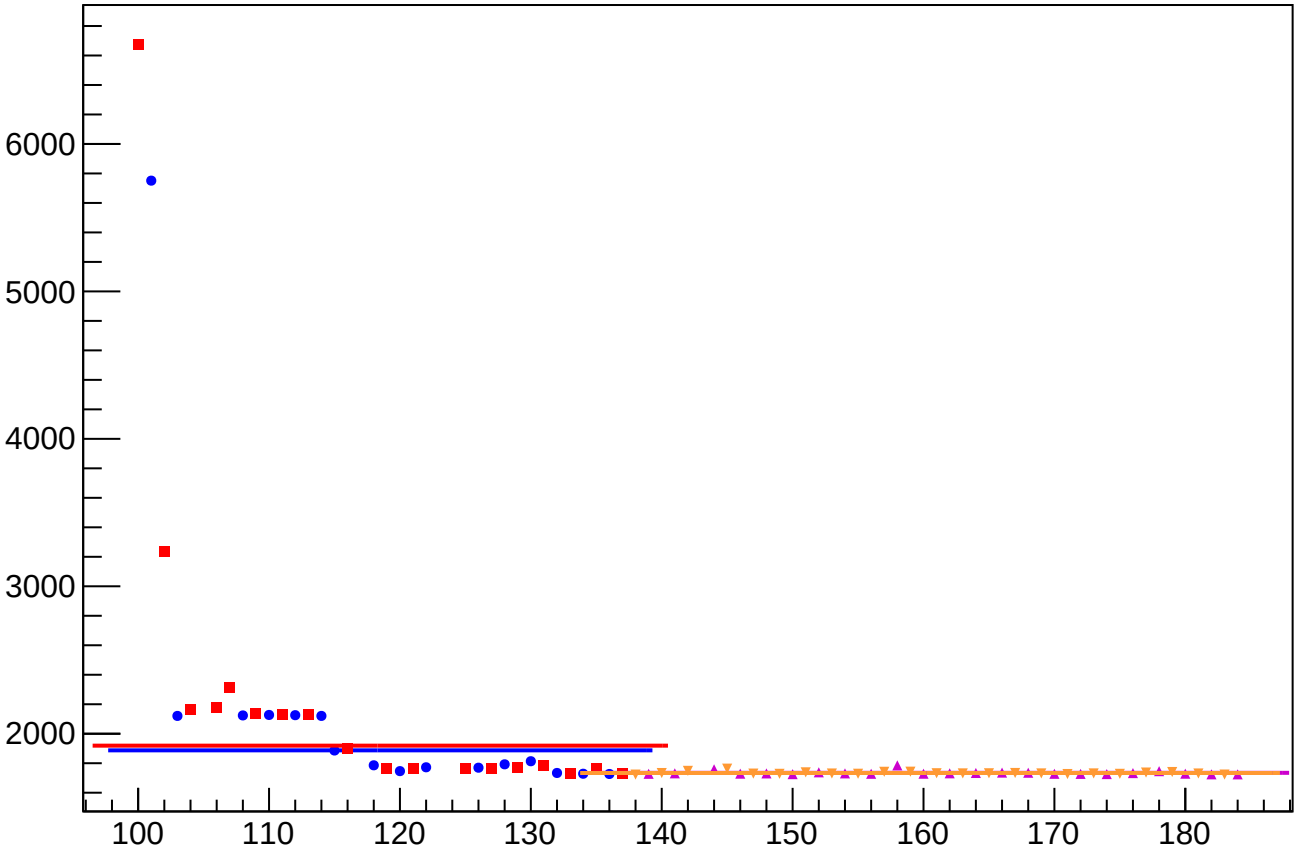
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign -18.388+/-352.952 χ^2/NDF: 53.1/38

All: -44.767+/-249.839 χ^2/NDF: 90.0/79

\- sign -71.259+/-353.700 χ^2/NDF: 36.9/40

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1733.672+/-0.287 χ^2/NDF:869.0/22

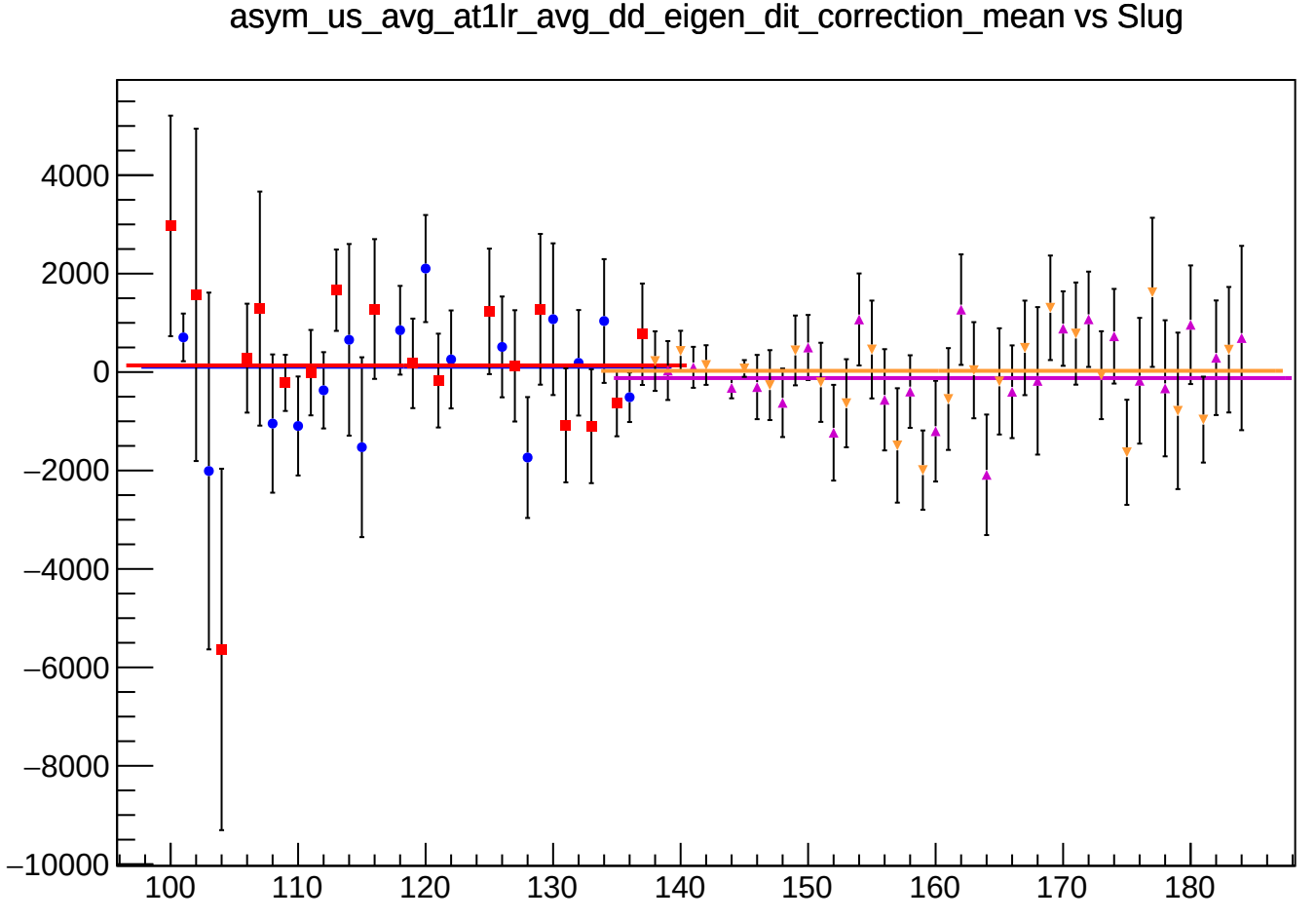
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.741+/-0.250 χ^2/NDF: 759684.1/38

All: 1774.658+/-0.177 χ^2/NDF: 1213310.3/79

- sign 1778.591+/-0.250 χ^2/NDF: 453132.6/40



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 25.181+/-119.521 χ^2/NDF:18.3/22

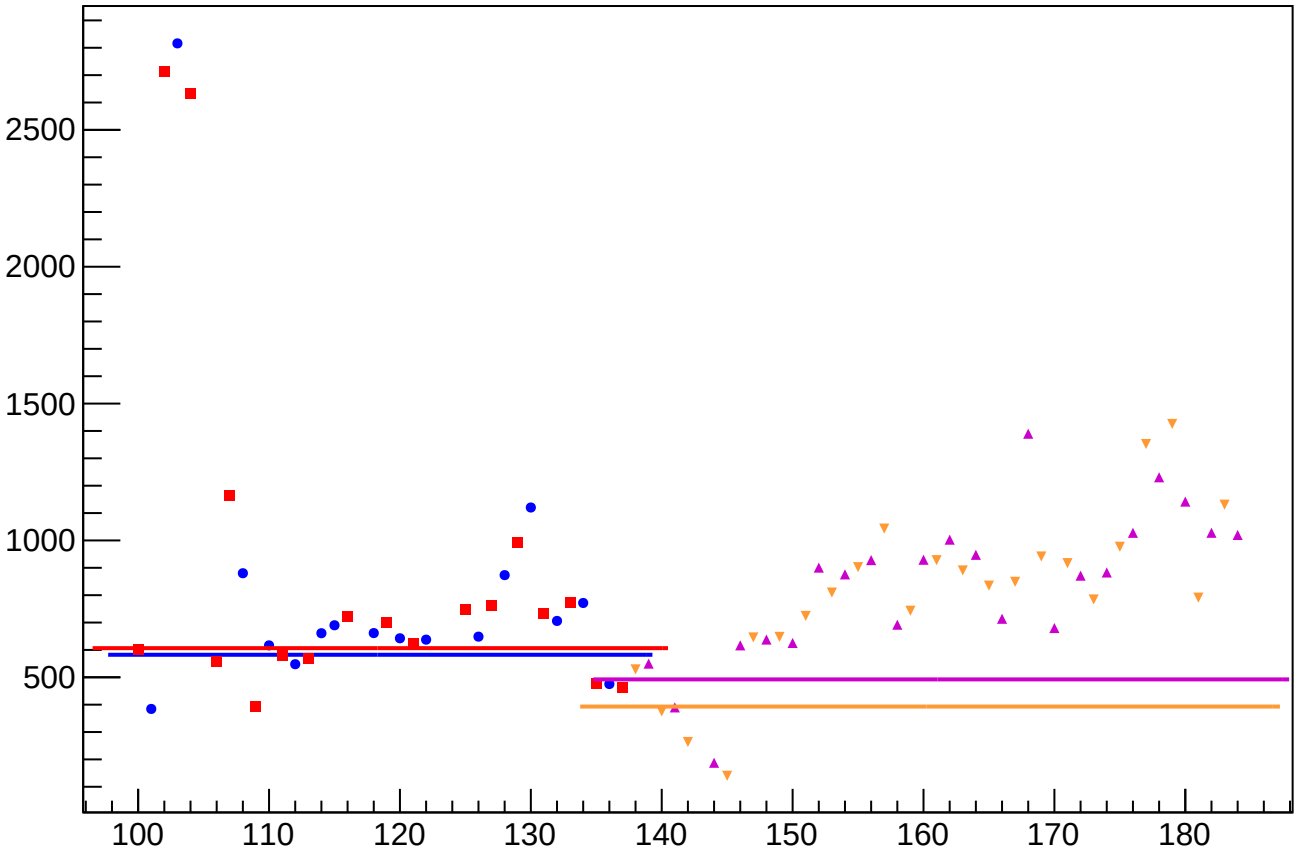
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

\+ sign 42.613+/-106.222 χ^2/NDF: 32.5/38

All: -2.878+/-79.474 χ^2/NDF: 64.6/79

\- sign -60.724+/-119.783 χ^2/NDF: 31.7/40



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

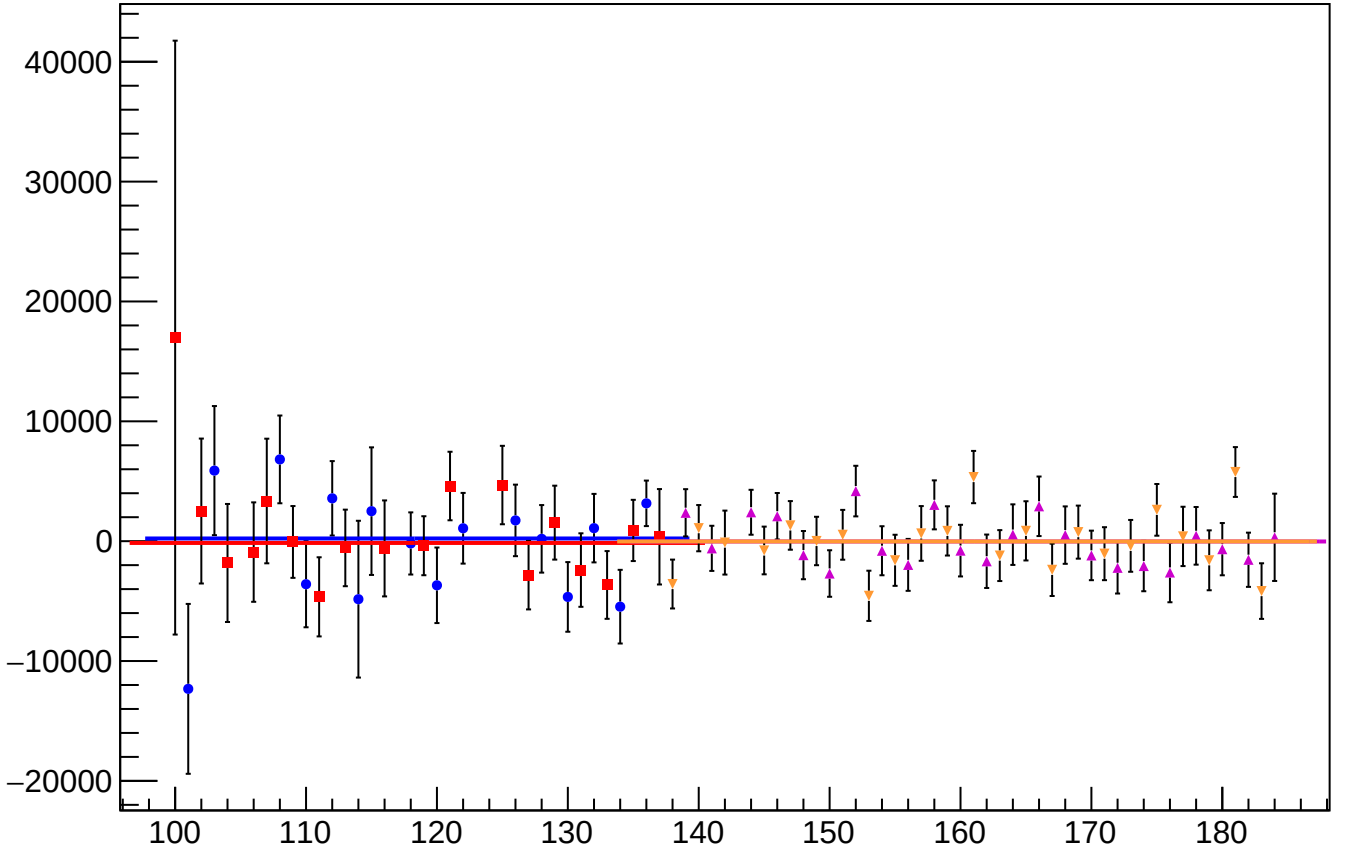
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 432.793+/-0.075 χ^2/NDF: 16932894.1/38

All: 470.907+/-0.056 χ^2/NDF: 30464453.6/79

- sign 519.375+/-0.085 χ^2/NDF: 12946610.7/40

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

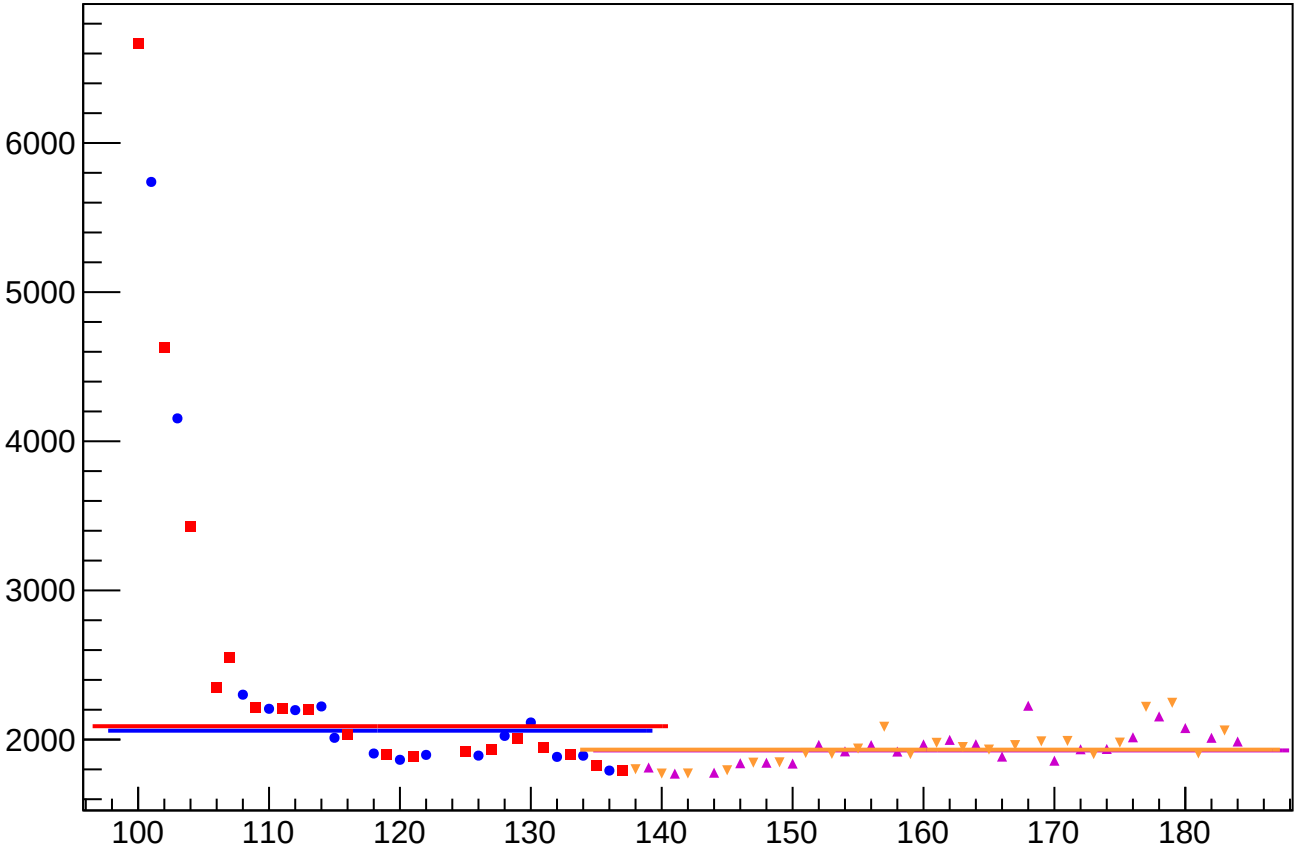
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 38.115+/-392.897 χ^2/NDF: 51.7/38

All: -8.746+/-277.507 χ^2/NDF: 83.3/79

- sign -55.398+/-392.014 χ^2/NDF: 31.6/40

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

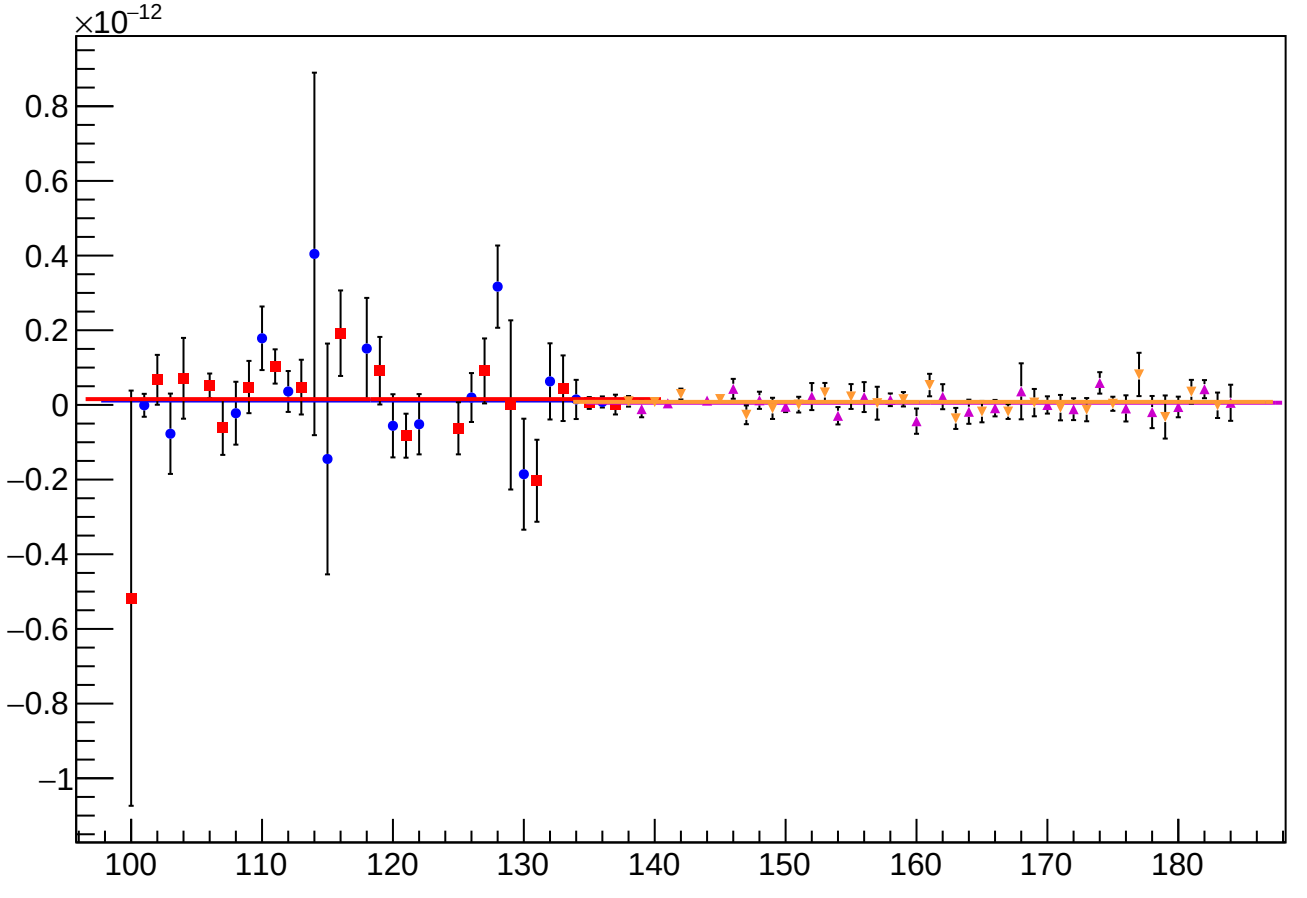
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

\+ sign 1963.591+/-0.278 χ^2/NDF: 1105445.0/38

All: 1965.140+/-0.196 χ^2/NDF: 1966625.2/79

\- sign 1966.682+/-0.277 χ^2/NDF: 861118.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/22

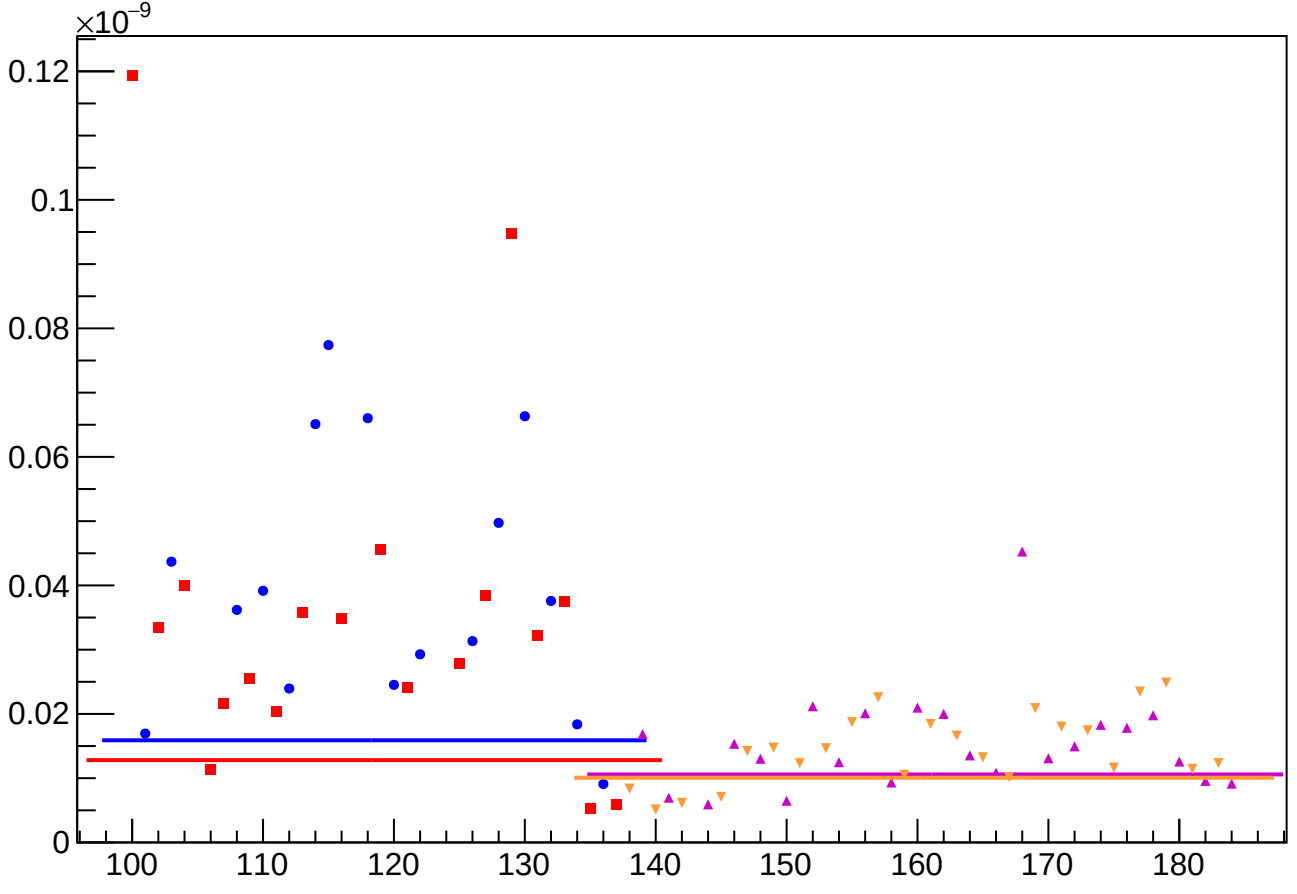
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/38

All: 0.000+/-0.000 χ^2/NDF: 73.4/79

- sign 0.000+/-0.000 χ^2/NDF: 38.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2263570.1/22

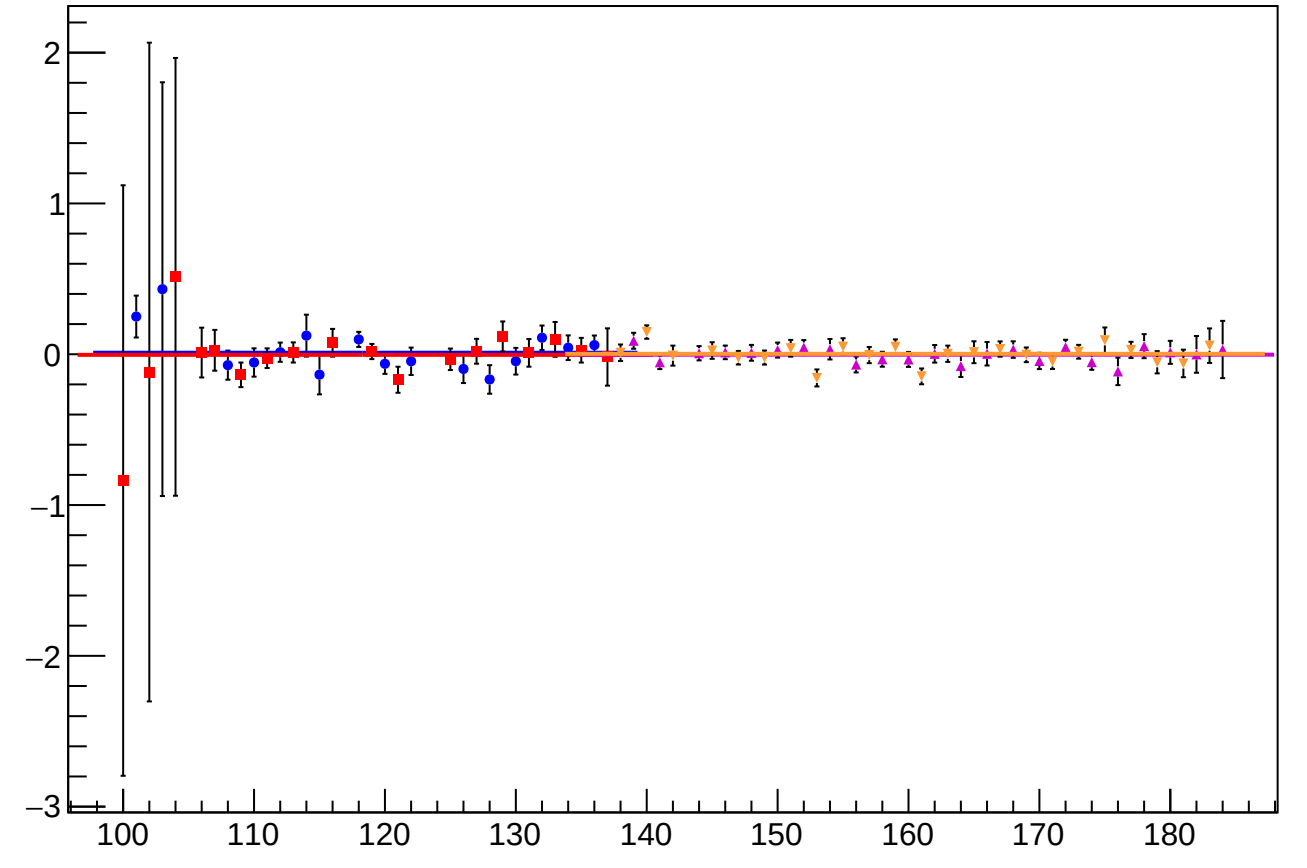
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 4642112.6/38

All: 0.000+/-0.000 χ^2/NDF: 9781076.9/79

- sign 0.000+/-0.000 χ^2/NDF: 5138084.6/40



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

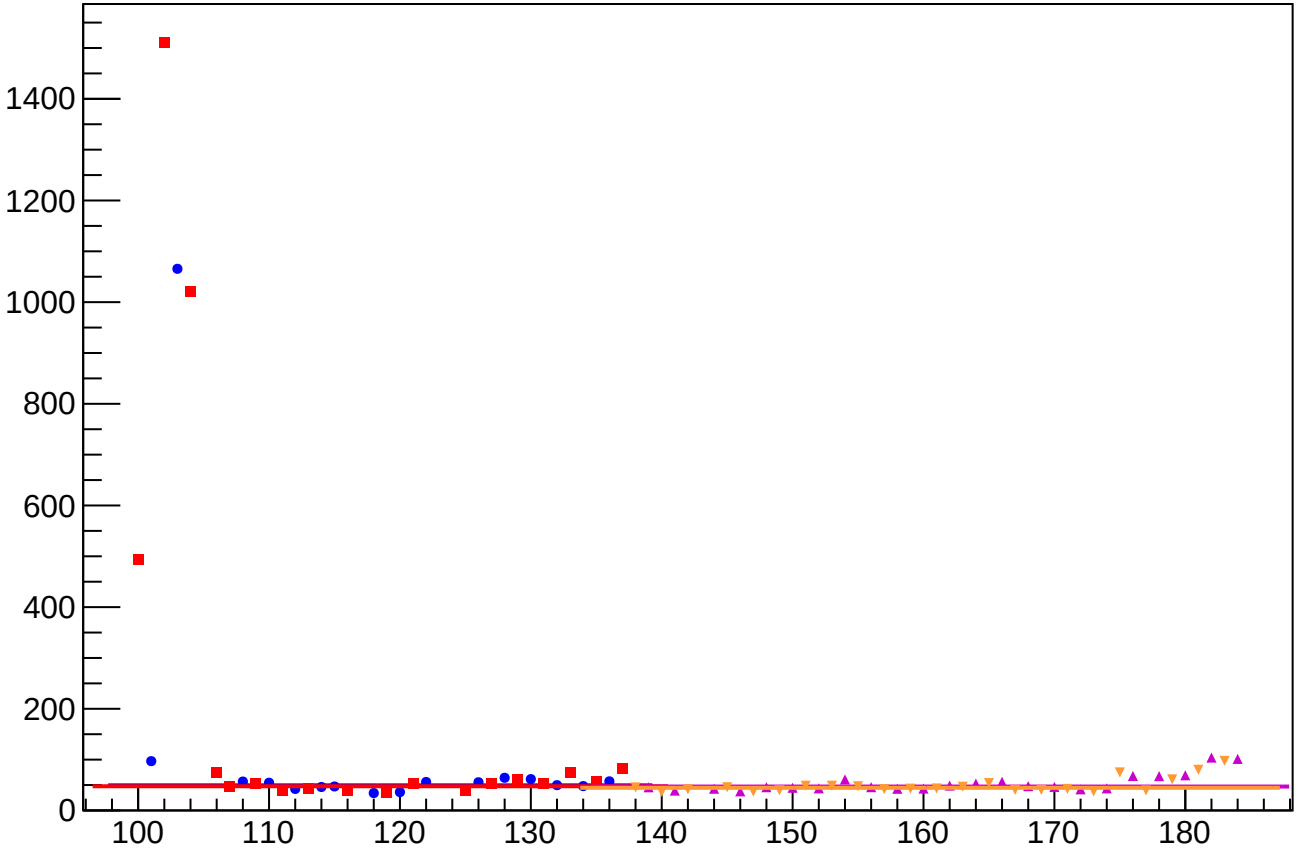
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.004+/-0.010 χ^2/NDF: 52.3/38

All: 0.001+/-0.007 χ^2/NDF: 77.5/79

- sign -0.003+/-0.010 χ^2/NDF: 25.0/40

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 44.557+/-0.008 χ^2/NDF:1404216.8/22

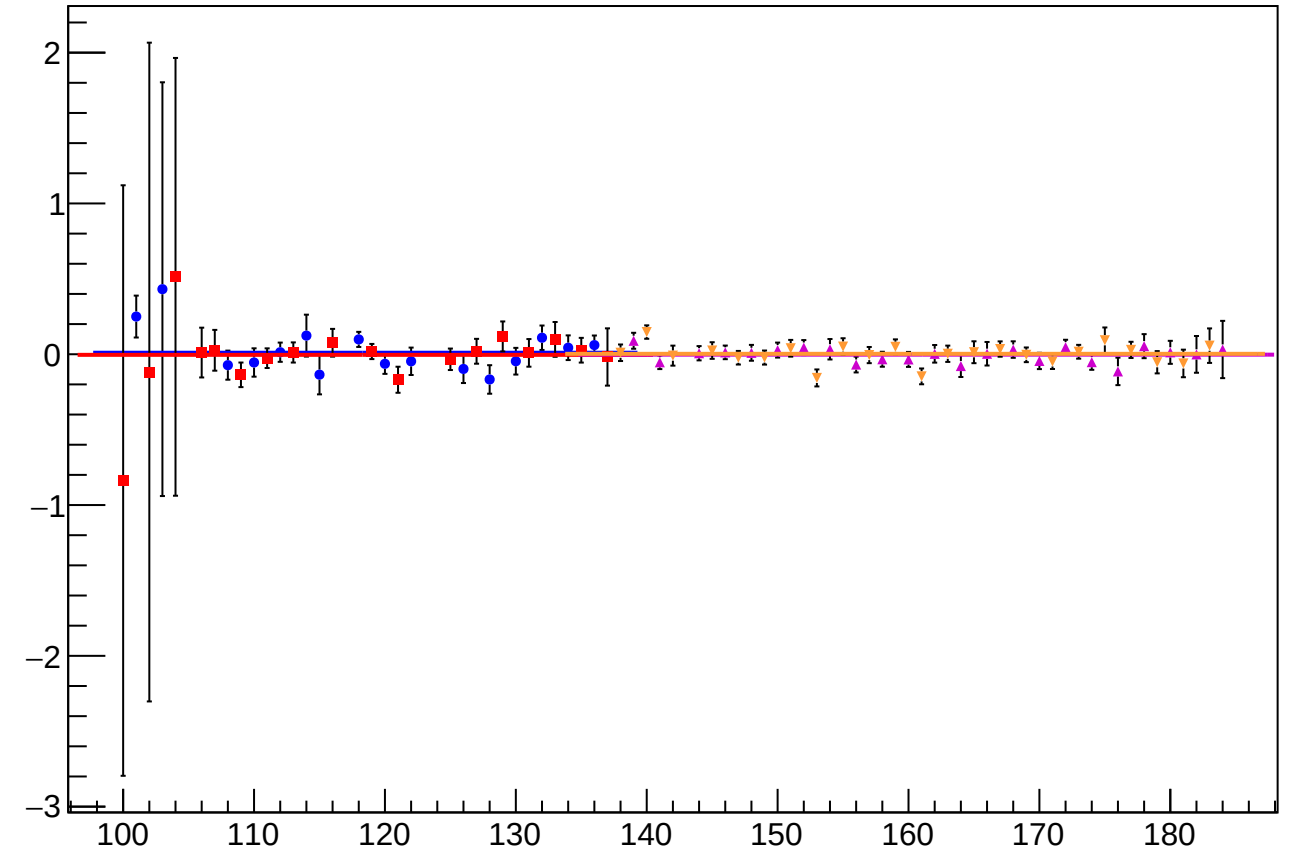
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 45.669+/-0.007 χ^2/NDF: 3260901.4/38

All: 46.394+/-0.005 χ^2/NDF: 7084484.3/79

- sign 47.166+/-0.007 χ^2/NDF: 3802329.7/40



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

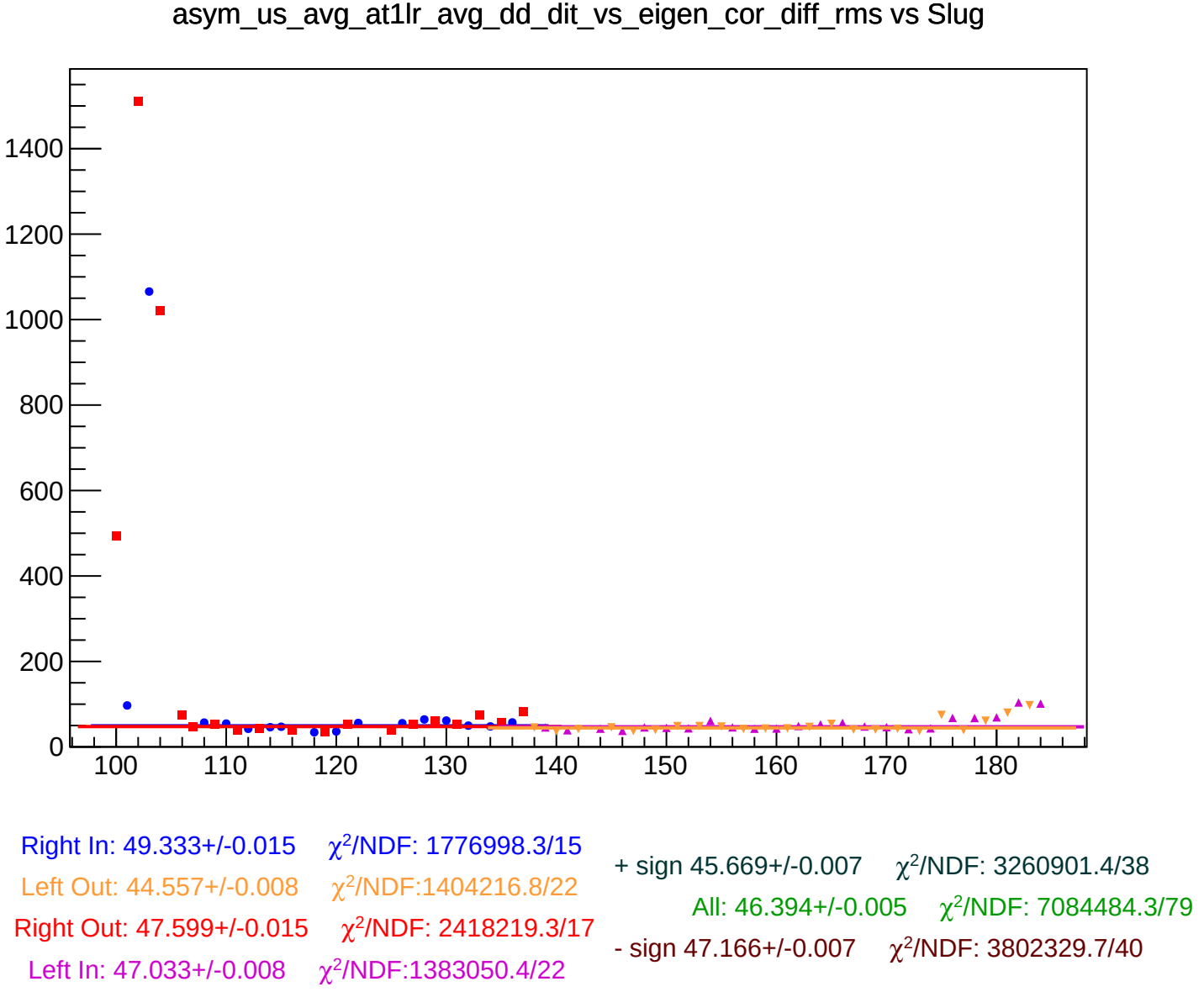
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.004+/-0.010 χ^2/NDF: 52.3/38

All: 0.001+/-0.007 χ^2/NDF: 77.5/79

- sign -0.003+/-0.010 χ^2/NDF: 25.0/40


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
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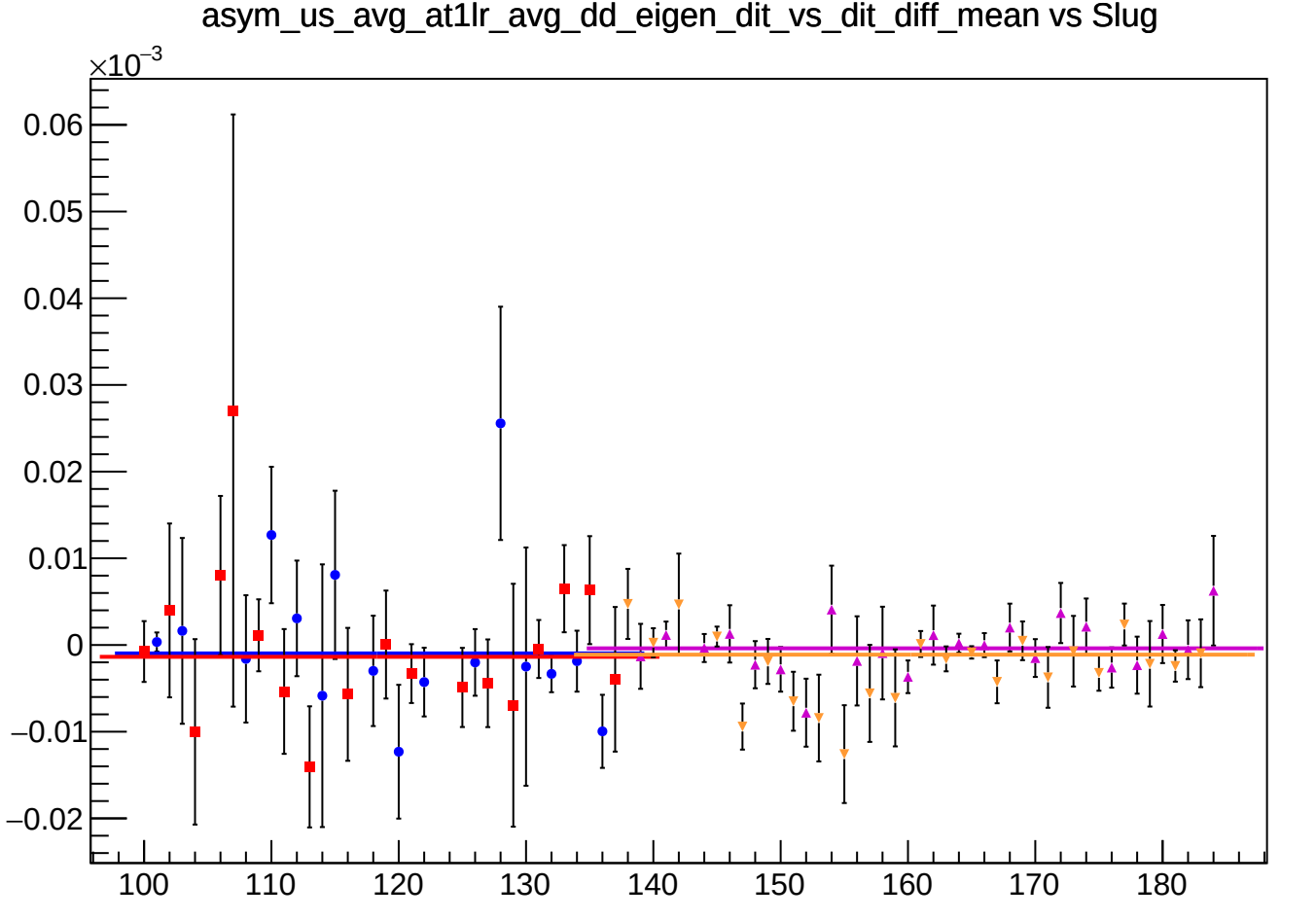
800
600
400
200
0
100
110
120
130
140
150
160
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 44.557+/-0.008 χ²/NDF:1404216.8/22
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 47.033+/-0.008 χ²/NDF:1383050.4/22
+ sign 45.669+/-0.007 χ²/NDF: 3260901.4/38
All: 46.394+/-0.005 χ²/NDF: 7084484.3/79
- sign 47.166+/-0.007 χ²/NDF: 3802329.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.4/22

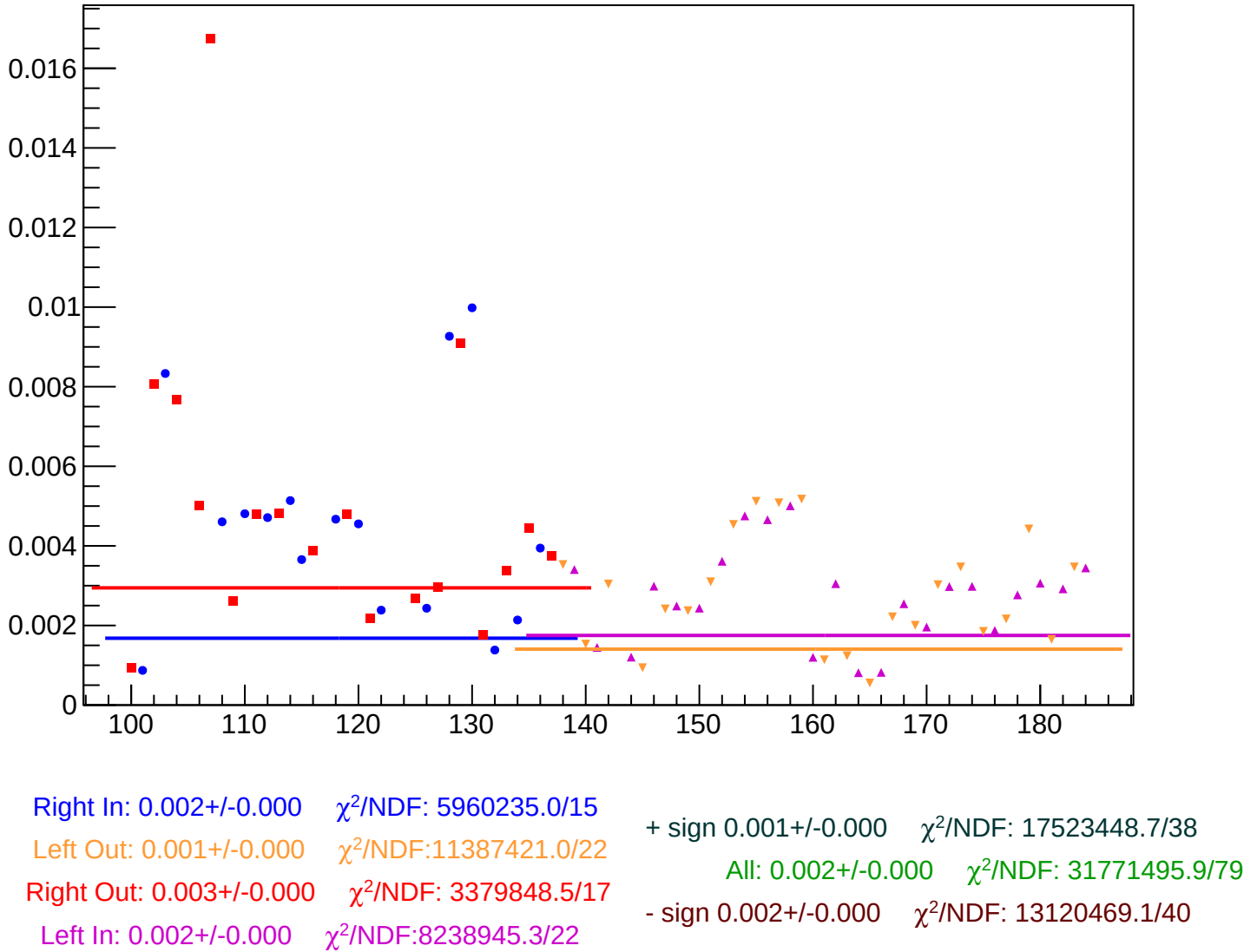
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

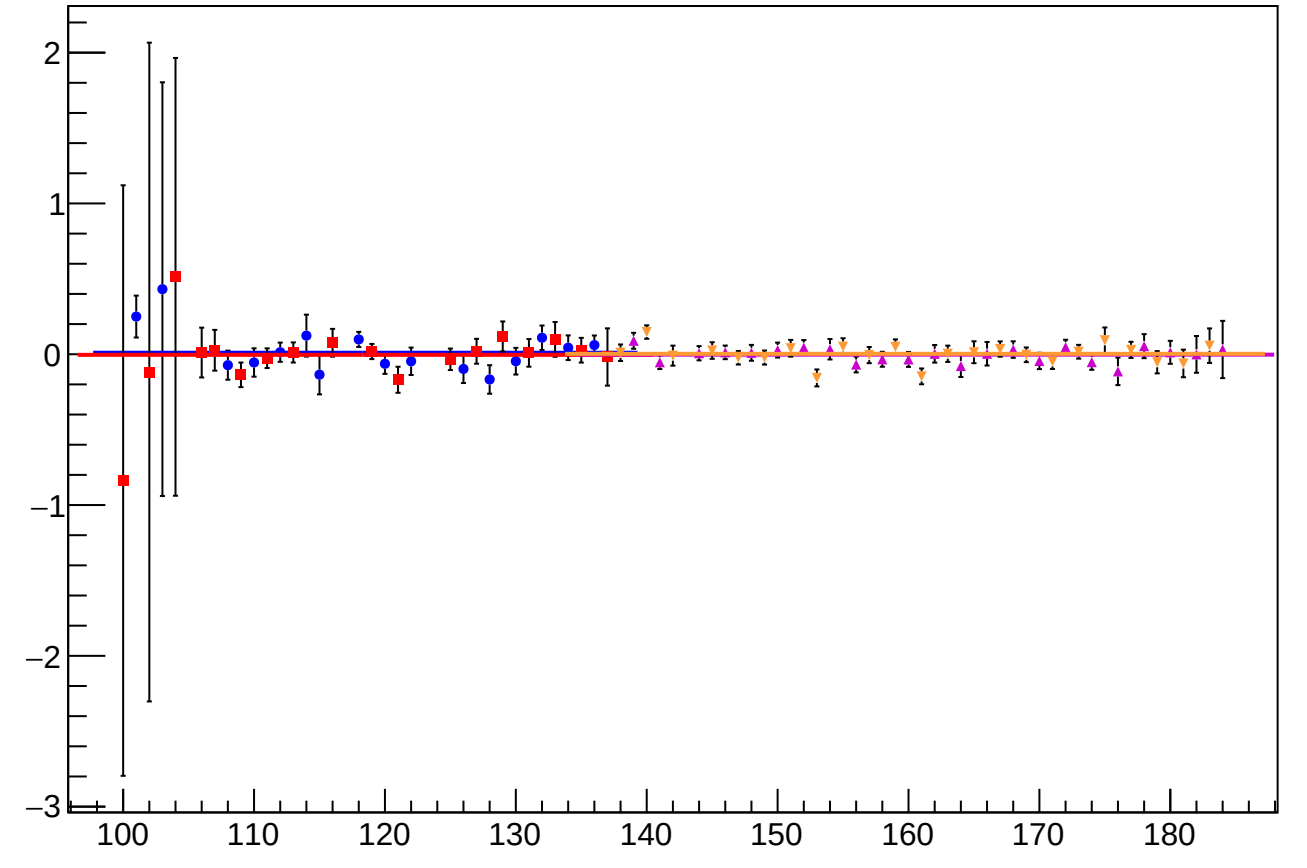
Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.1/38

All: -0.000+/-0.000 χ^2/NDF: 83.5/79

- sign -0.000+/-0.000 χ^2/NDF: 29.5/40


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:8238945.3/22
+ sign 0.001+/-0.000 χ²/NDF: 17523448.7/38
All: 0.002+/-0.000 χ²/NDF: 31771495.9/79
- sign 0.002+/-0.000 χ²/NDF: 13120469.1/40



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

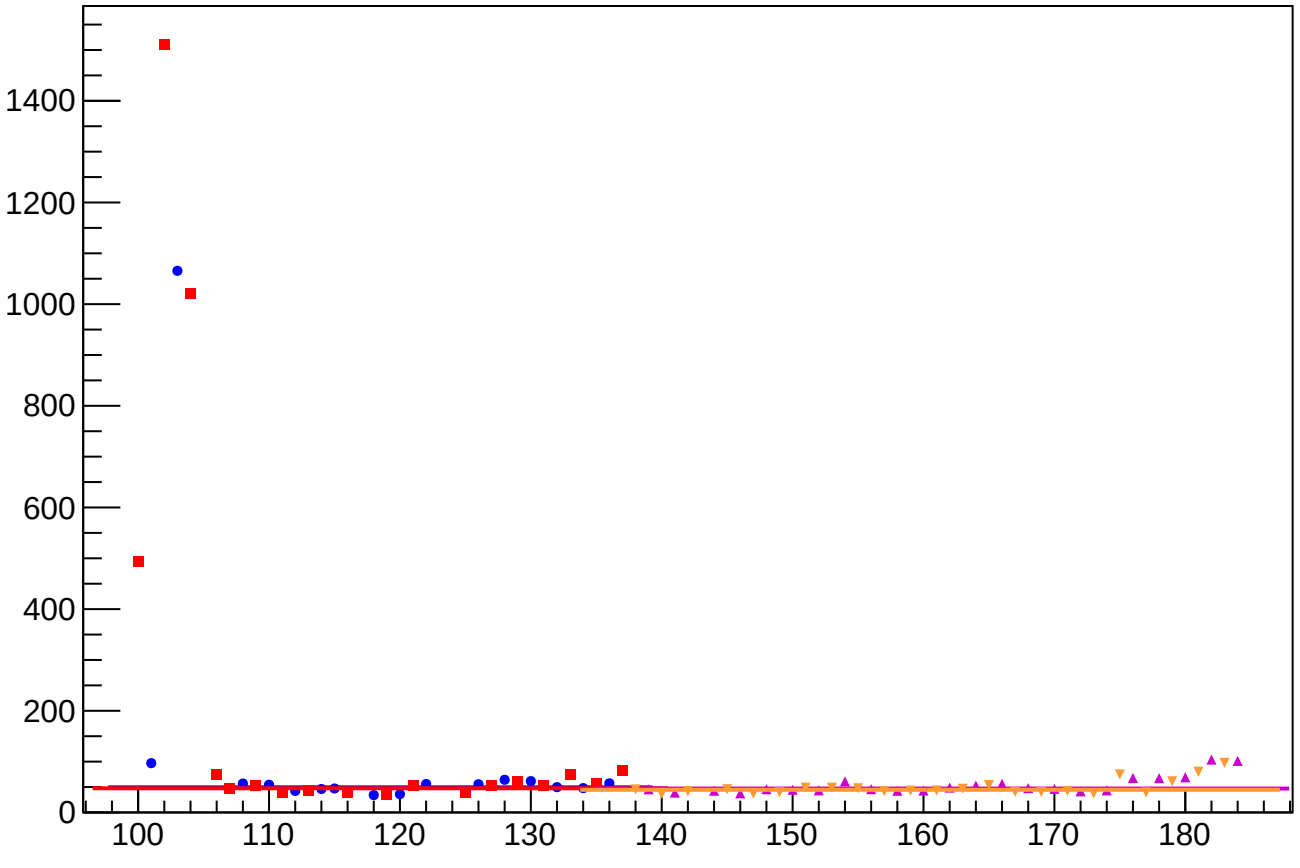
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.004+/-0.010 χ^2/NDF: 52.3/38

All: 0.001+/-0.007 χ^2/NDF: 77.5/79

- sign -0.003+/-0.010 χ^2/NDF: 25.0/40



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 44.558+/-0.008 χ^2/NDF:1404222.6/22

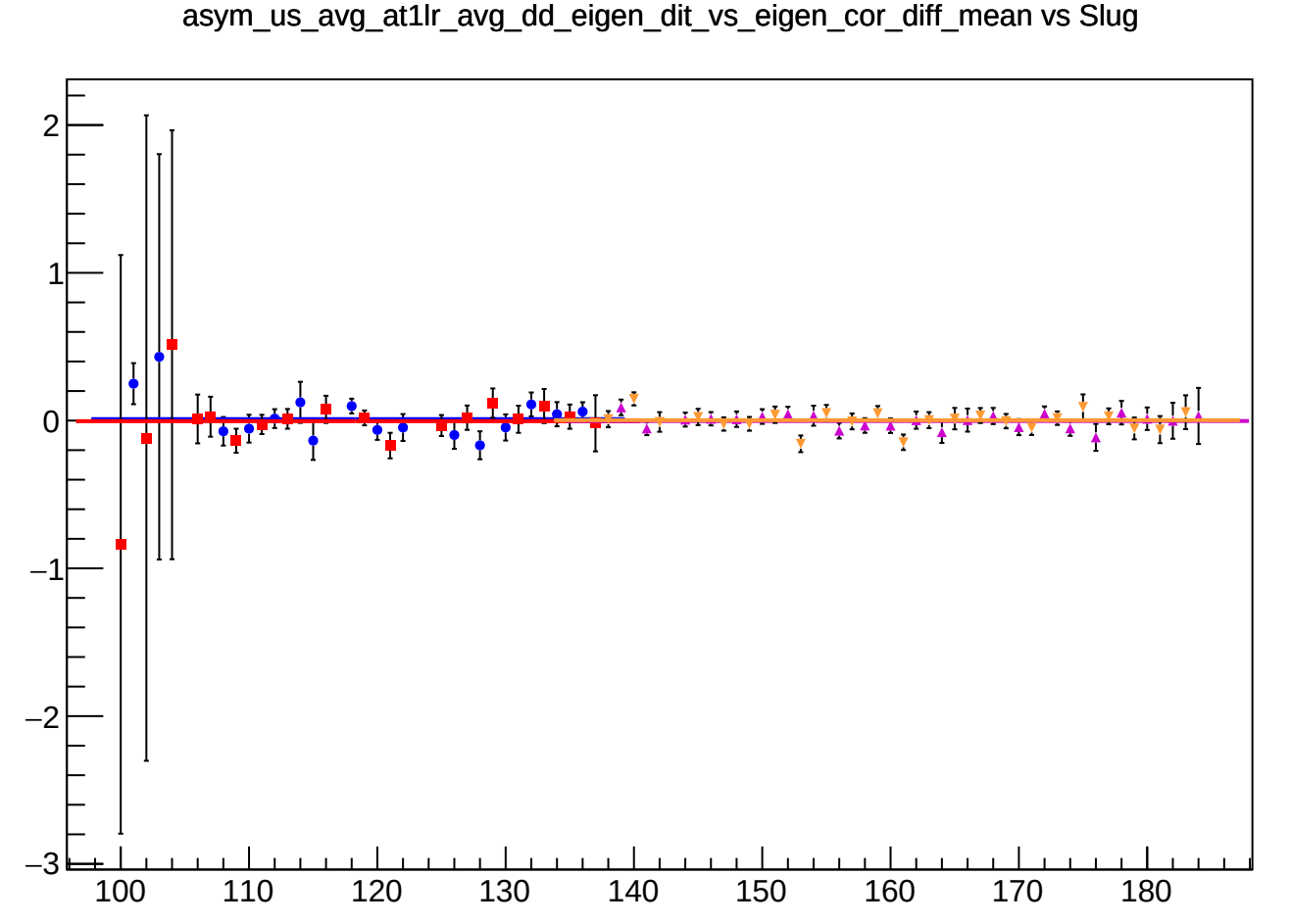
Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 45.669+/-0.007 χ^2/NDF: 3260842.5/38

All: 46.394+/-0.005 χ^2/NDF: 7084511.5/79

- sign 47.166+/-0.007 χ^2/NDF: 3802432.9/40



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.8/22

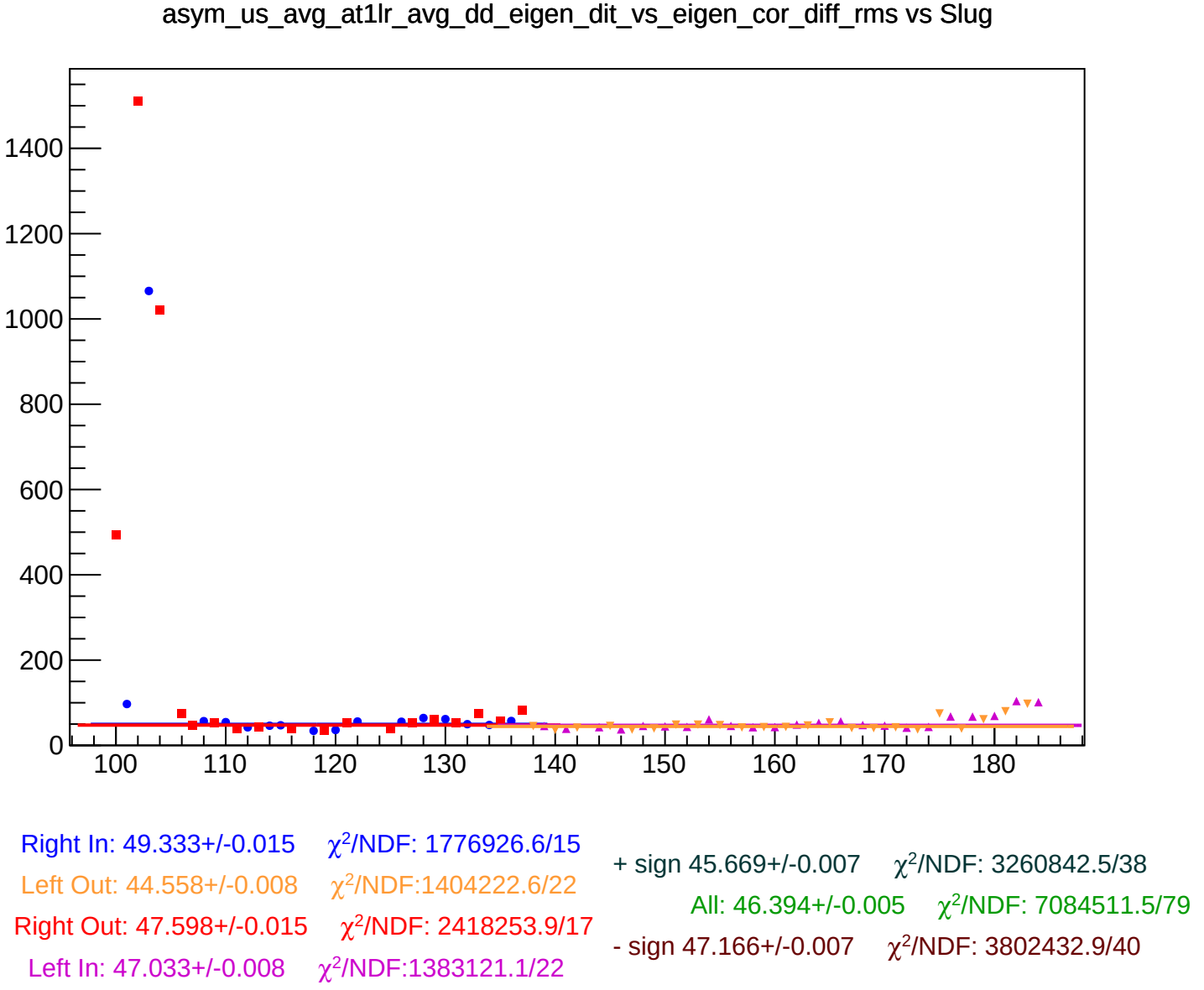
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.004+/-0.010 χ^2/NDF: 52.3/38

All: 0.001+/-0.007 χ^2/NDF: 77.5/79

- sign -0.003+/-0.010 χ^2/NDF: 25.0/40


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
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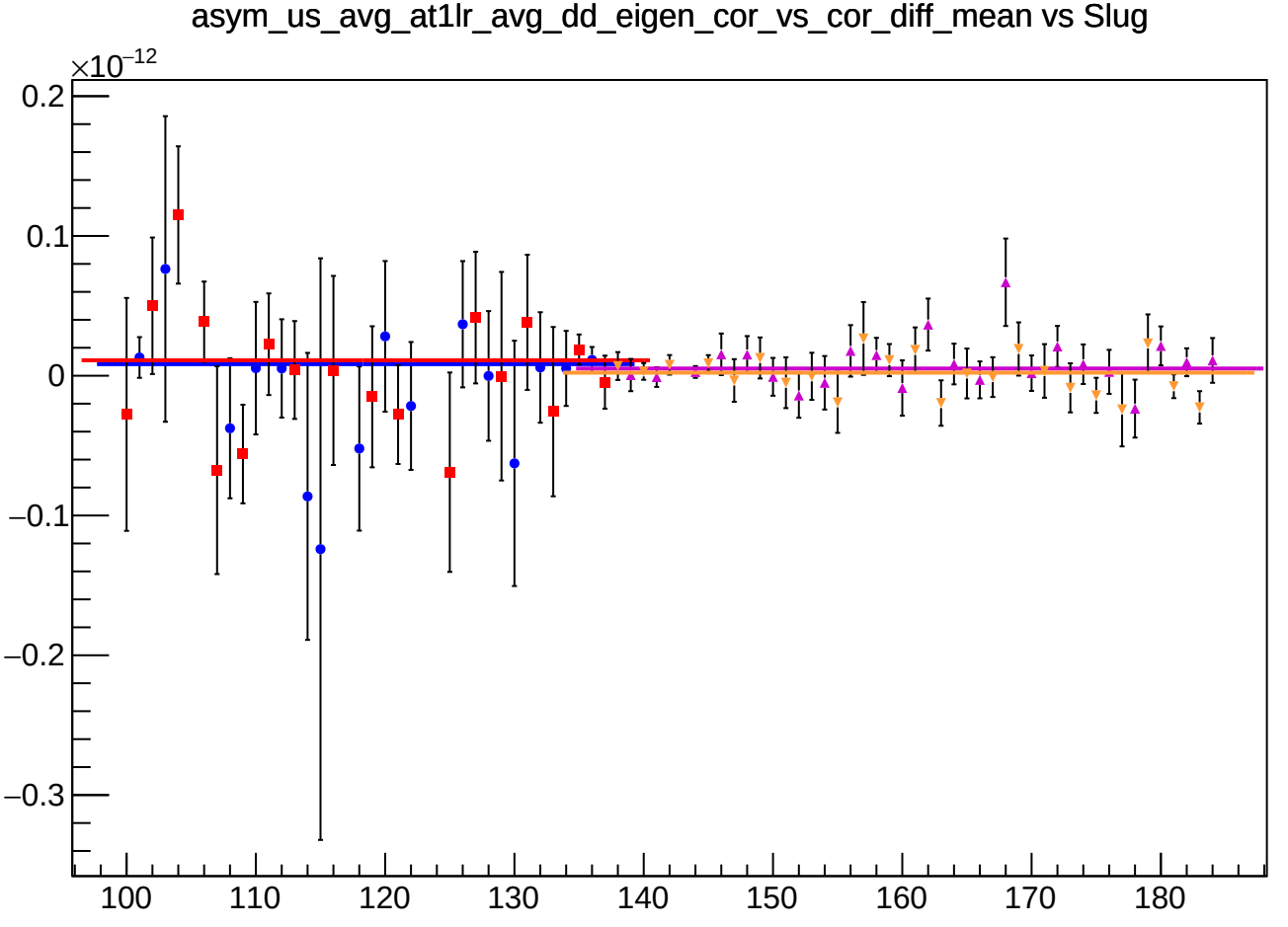
600
400
200
0
100
110
120
130
140
150
160
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 44.558+/-0.008 χ²/NDF:1404222.6/22
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 45.669+/-0.007 χ²/NDF: 3260842.5/38
All: 46.394+/-0.005 χ²/NDF: 7084511.5/79
- sign 47.166+/-0.007 χ²/NDF: 3802432.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/22

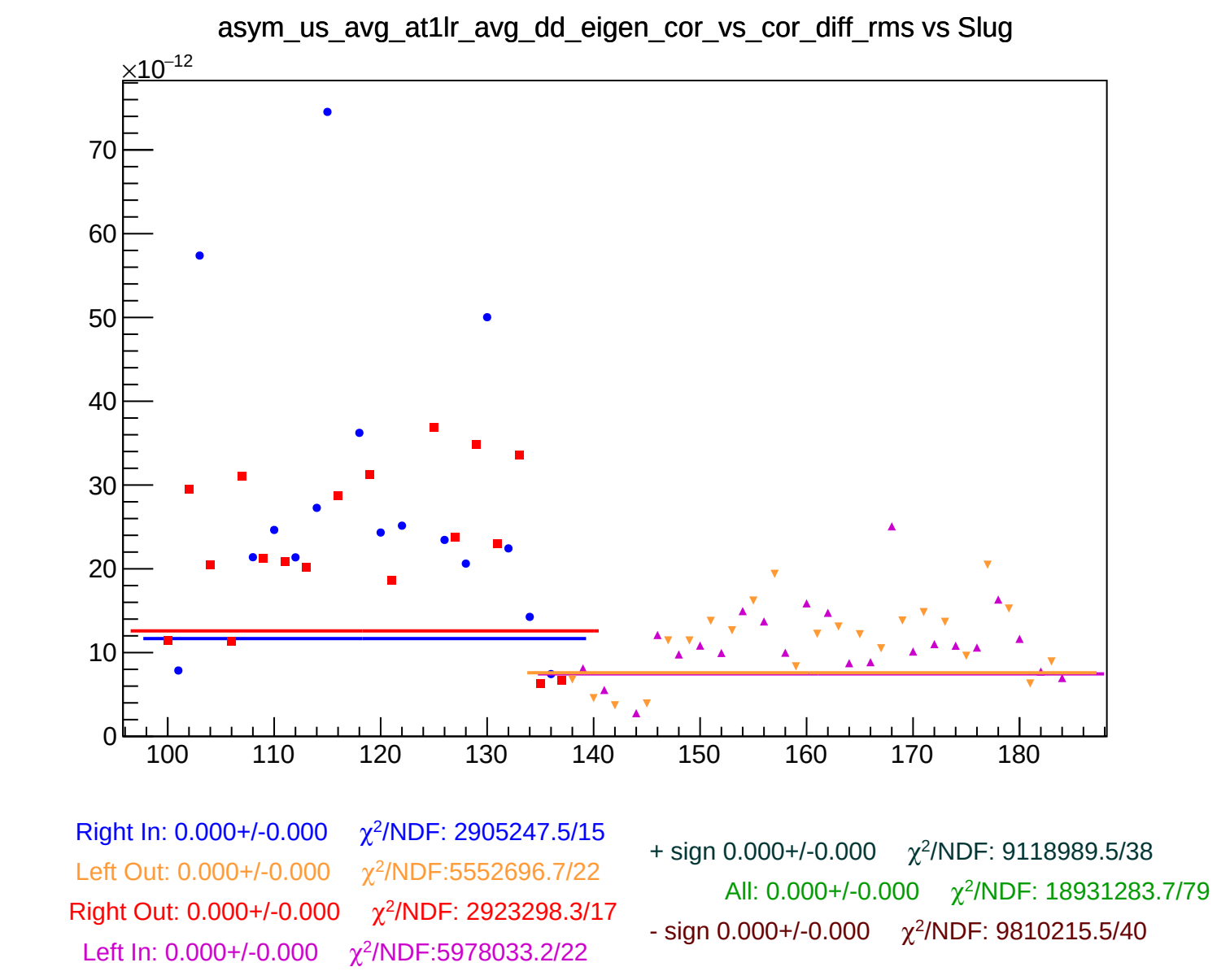
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

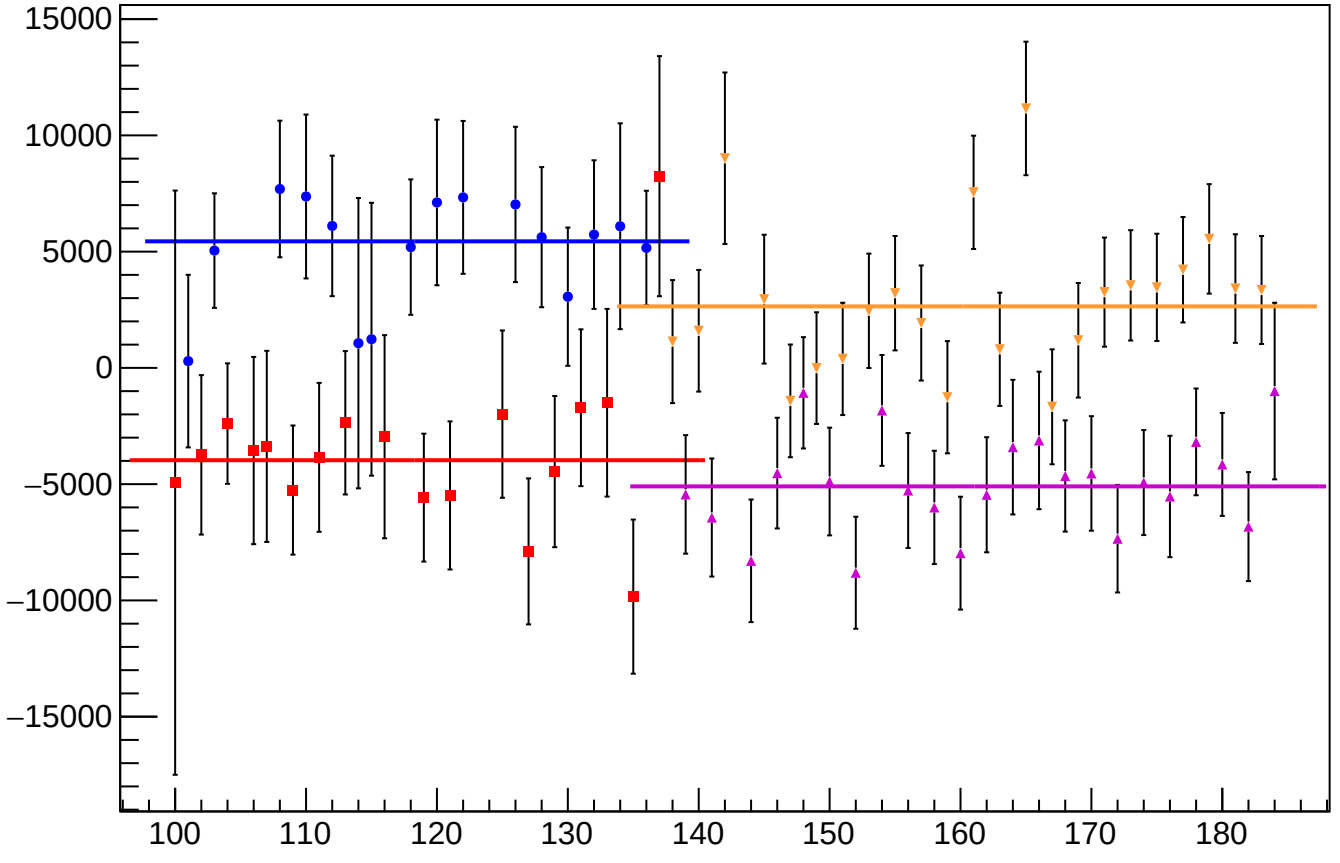
+ sign 0.000+/-0.000 χ^2/NDF: 25.2/38

All: 0.000+/-0.000 χ^2/NDF: 60.6/79

- sign 0.000+/-0.000 χ^2/NDF: 34.7/40


asym_us_avg_at1lr_avg_dd_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: 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:5978033.2/22
+ sign 0.000+/-0.000 χ²/NDF: 9118989.5/38
All: 0.000+/-0.000 χ²/NDF: 18931283.7/79
- sign 0.000+/-0.000 χ²/NDF: 9810215.5/40

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

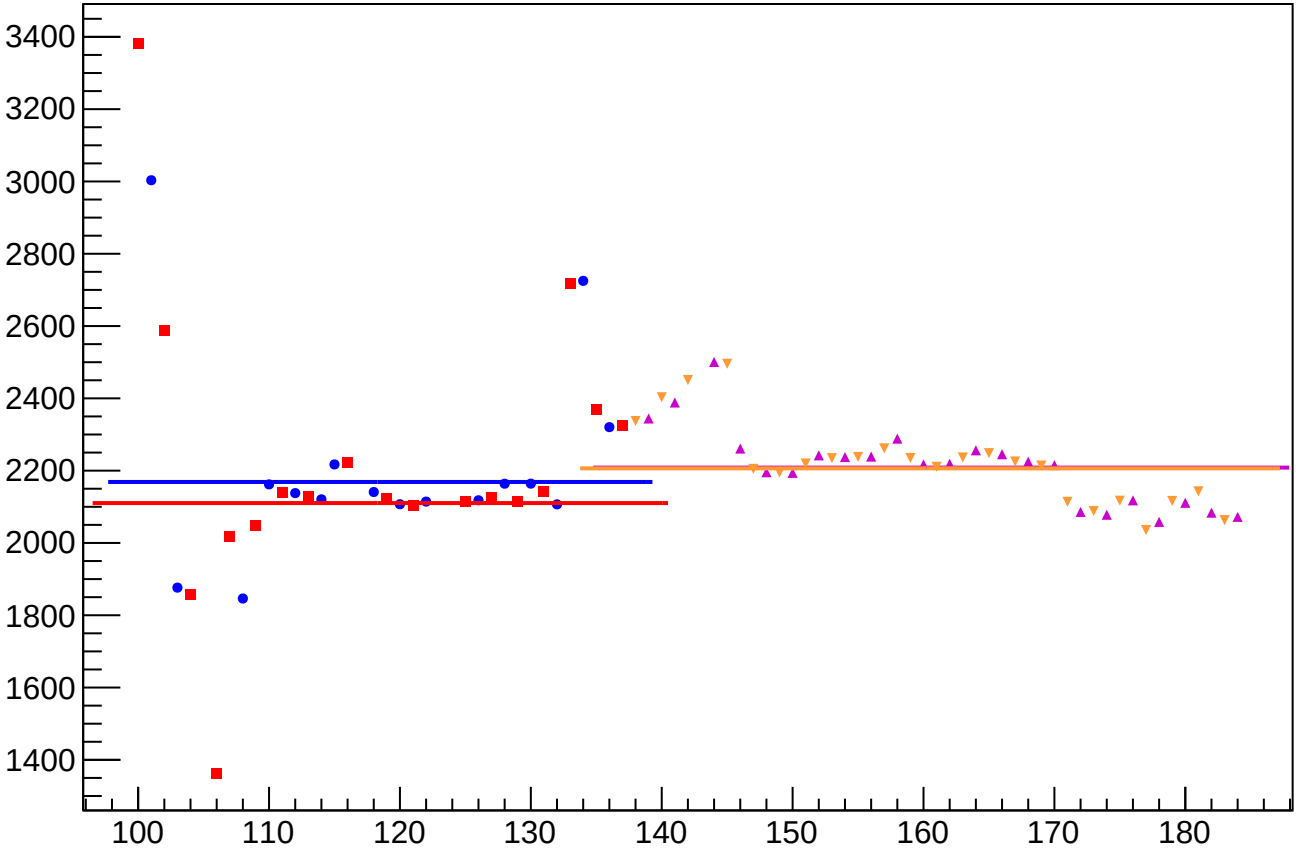
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3450.162+/-435.782 χ^2/NDF: 44.3/38

All: -666.068+/-307.933 χ^2/NDF: 251.8/79

- sign -4770.995+/-435.184 χ^2/NDF: 29.3/40

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

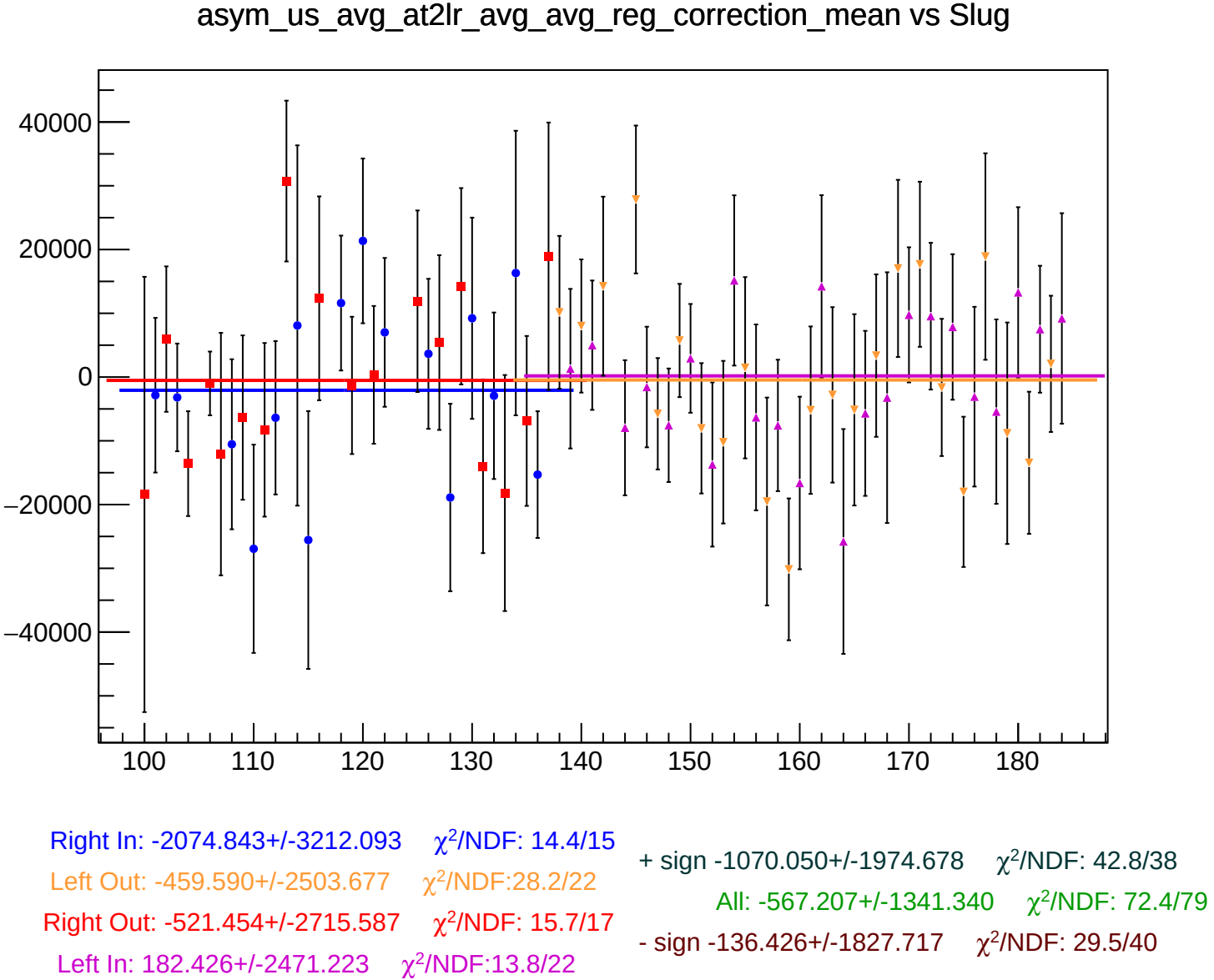
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

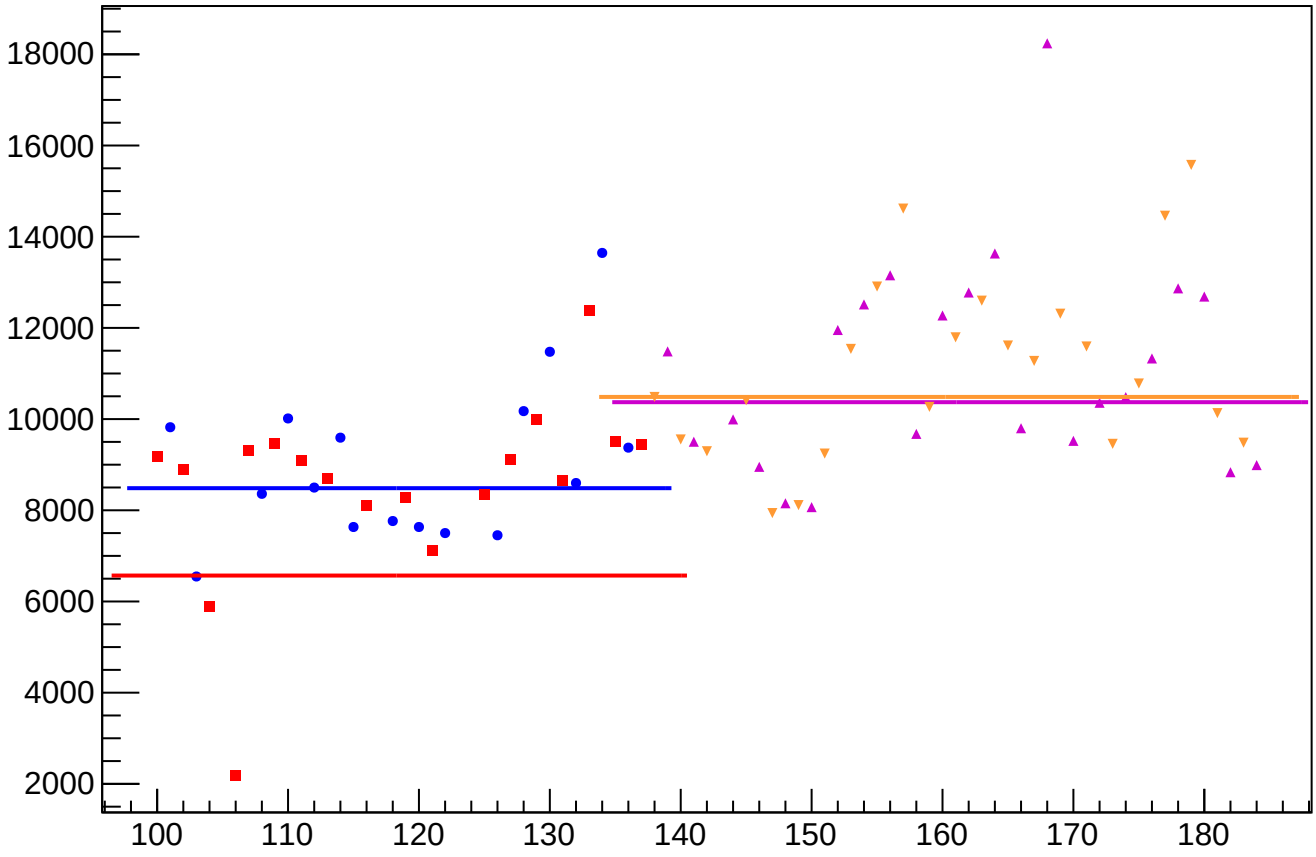
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2195.502+/-0.308 χ^2/NDF: 282790.9/38

All: 2187.387+/-0.217 χ^2/NDF: 653916.8/79

- sign 2179.369+/-0.306 χ^2/NDF: 369747.0/40


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -2074.843+/-3212.093 χ²/NDF: 14.4/15
Left Out: -459.590+/-2503.677 χ²/NDF:28.2/22
Right Out: -521.454+/-2715.587 χ²/NDF: 15.7/17
Left In: 182.426+/-2471.223 χ²/NDF:13.8/22
+ sign -1070.050+/-1974.678 χ²/NDF: 42.8/38
All: -567.207+/-1341.340 χ²/NDF: 72.4/79
- sign -136.426+/-1827.717 χ²/NDF: 29.5/40



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

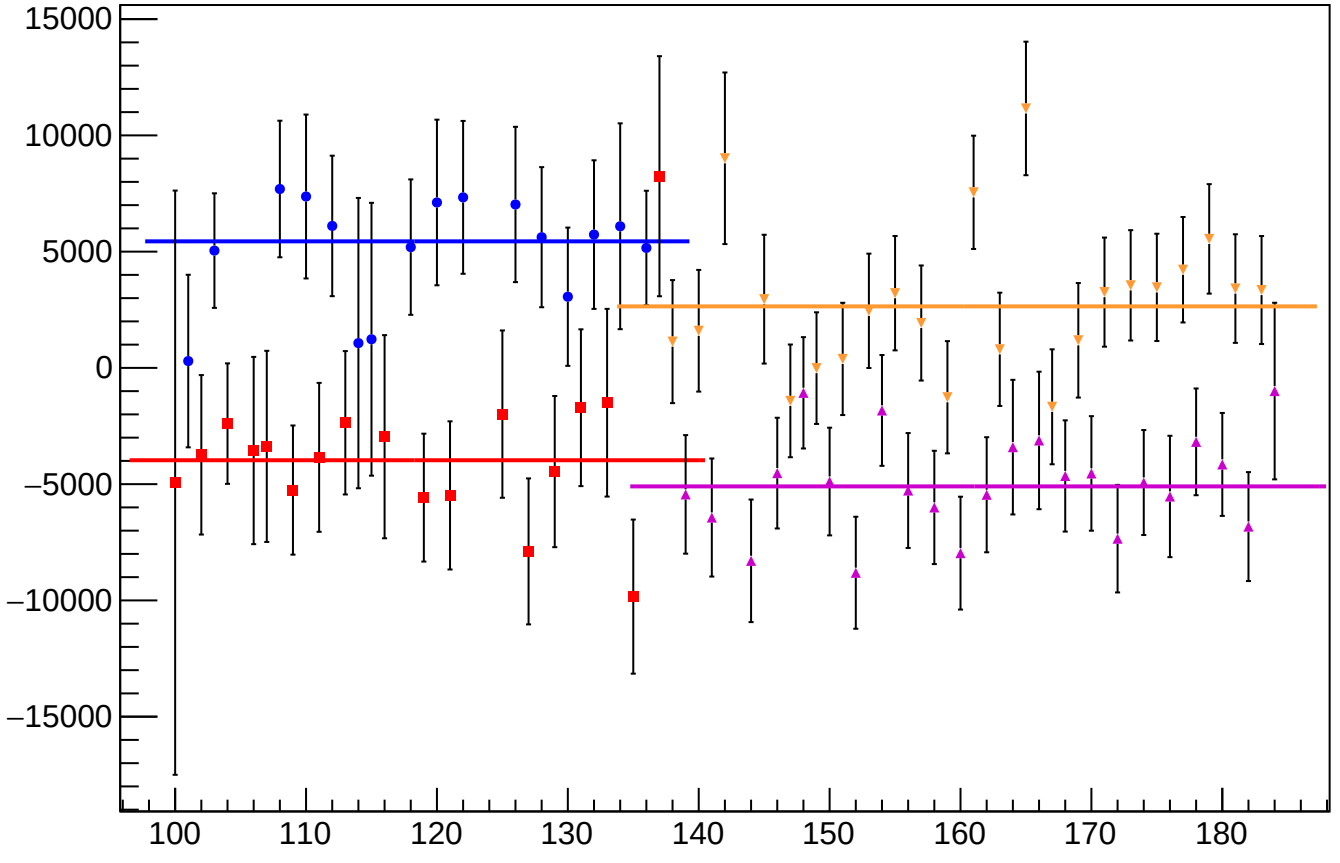
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 9729.856+/-1.396 χ^2/NDF: 1945336.9/38

All: 9147.466+/-0.948 χ^2/NDF: 8185665.5/79

- sign 8648.537+/-1.292 χ^2/NDF: 5917326.8/40

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

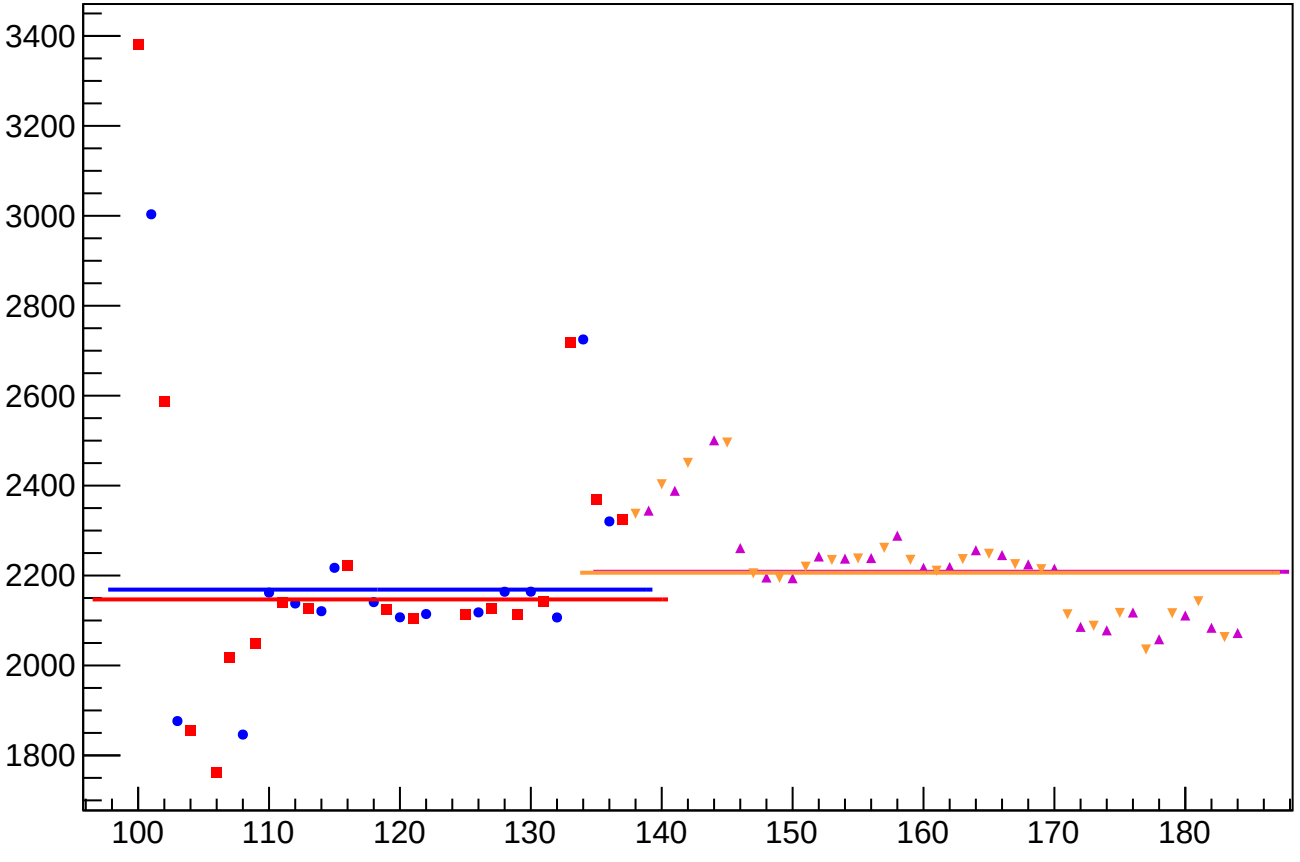
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3450.148+/-435.783 χ^2/NDF: 44.3/38

All: -666.004+/-307.933 χ^2/NDF: 251.8/79

- sign -4770.855+/-435.184 χ^2/NDF: 29.3/40

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

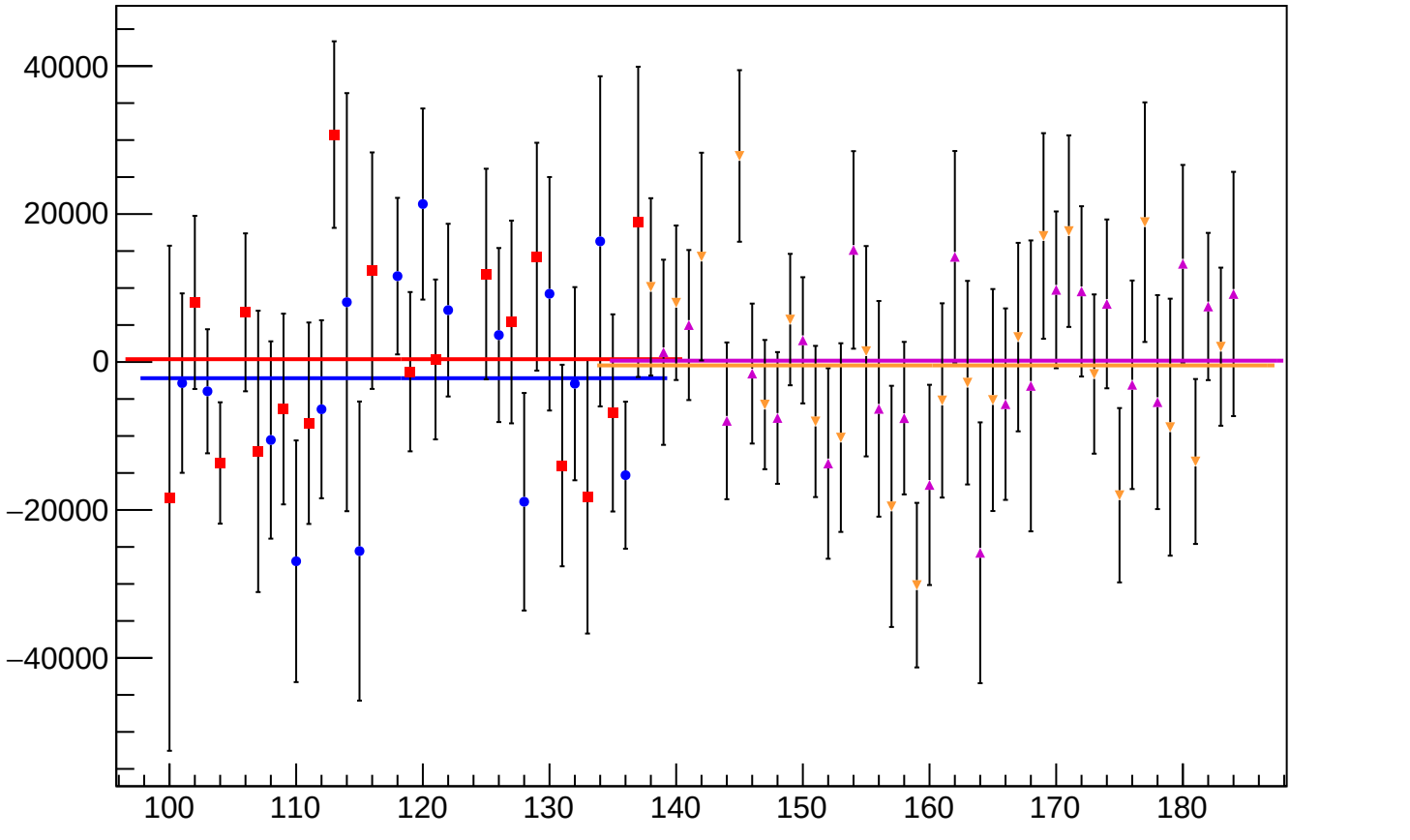
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

\+ sign 2195.502+/-0.308 χ^2/NDF: 282791.3/38

All: 2192.974+/-0.218 χ^2/NDF: 529939.7/79

\- sign 2190.461+/-0.307 χ^2/NDF: 247014.2/40



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -459.567+/-2503.677 χ^2/NDF:28.2/22

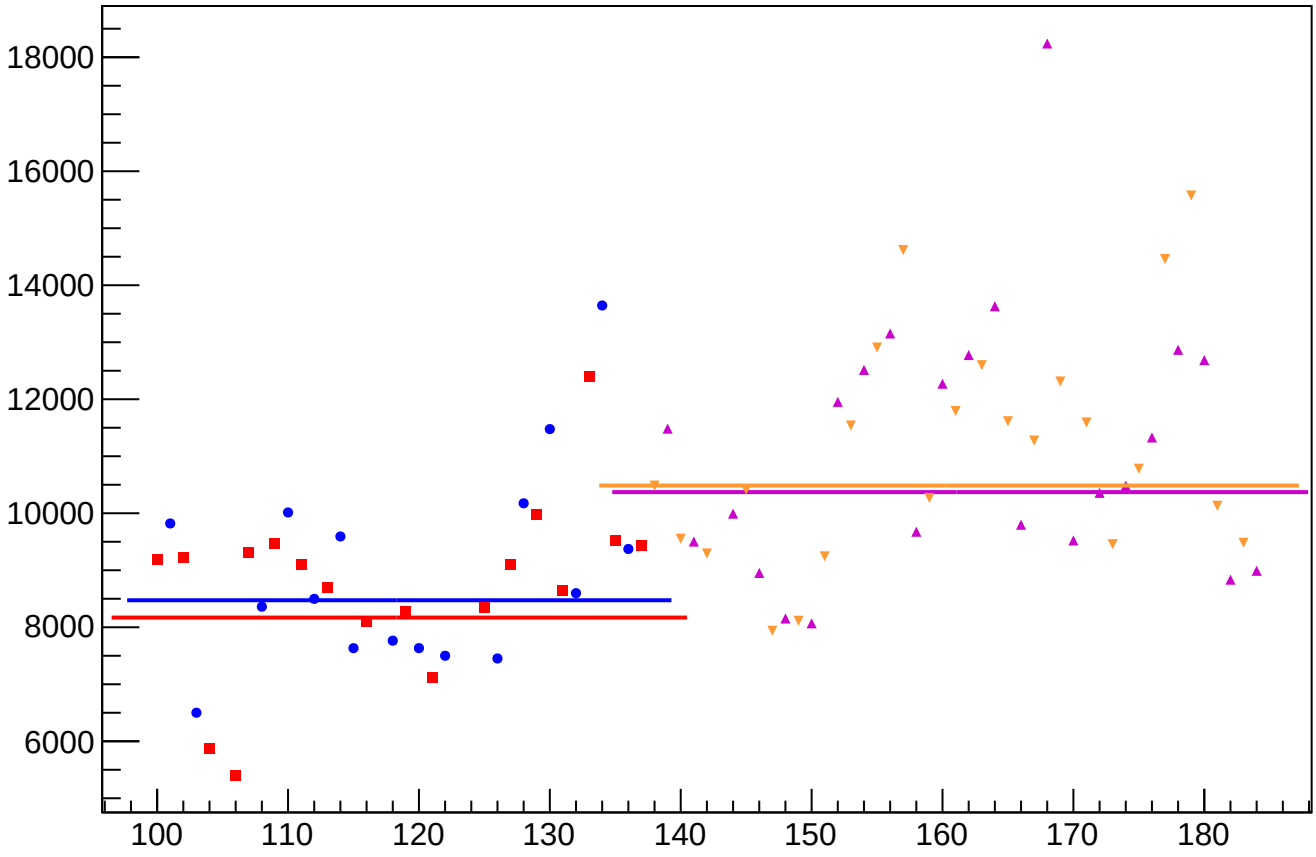
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1114.181+/-1973.848 χ^2/NDF: 42.8/38

All: -413.077+/-1380.817 χ^2/NDF: 73.1/79

- sign 258.859+/-1932.355 χ^2/NDF: 30.1/40



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10486.163+/-1.770 χ^2/NDF:1039734.1/22

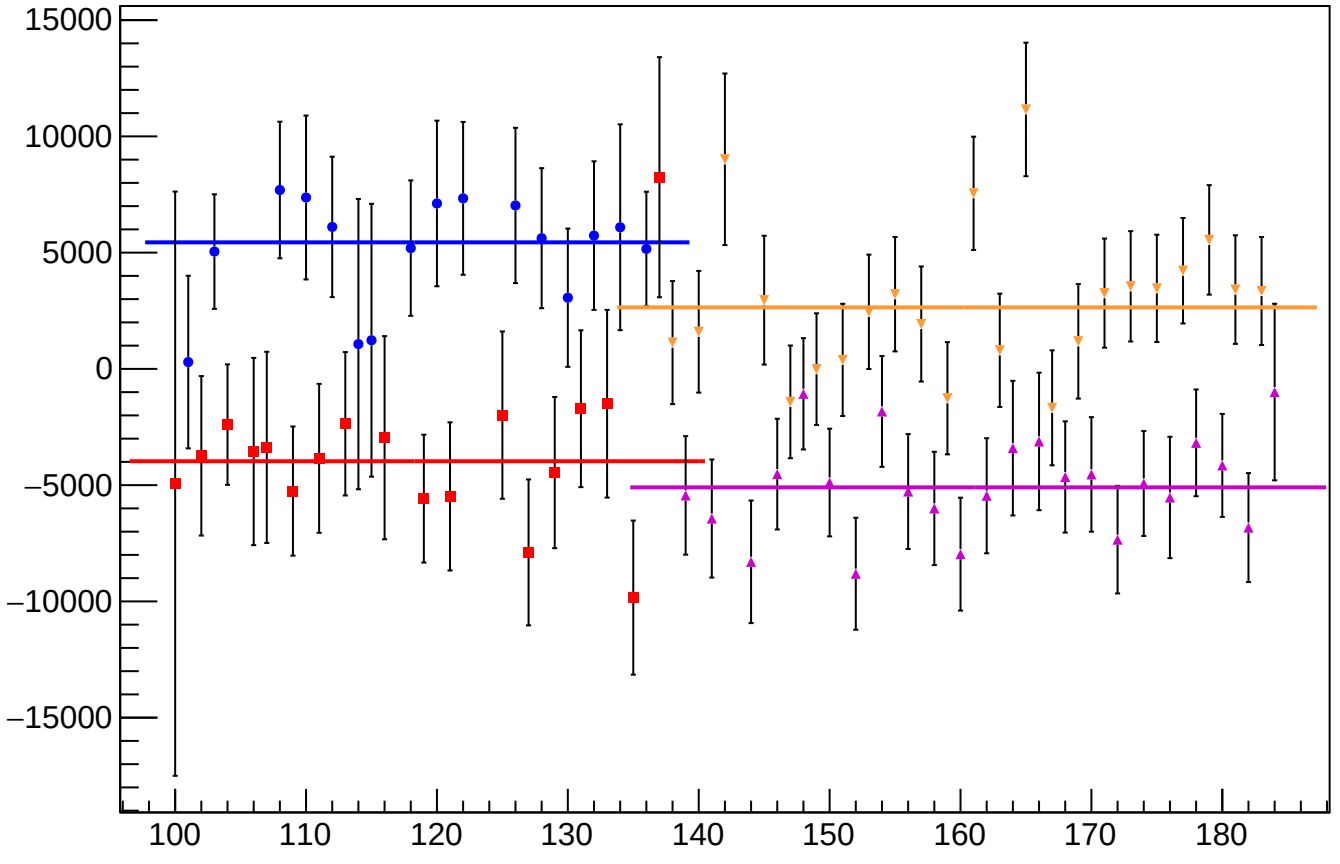
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9724.548+/-1.396 χ^2/NDF: 1958302.8/38

All: 9617.911+/-0.976 χ^2/NDF: 4329813.0/79

- sign 9515.710+/-1.366 χ^2/NDF: 2360078.1/40



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

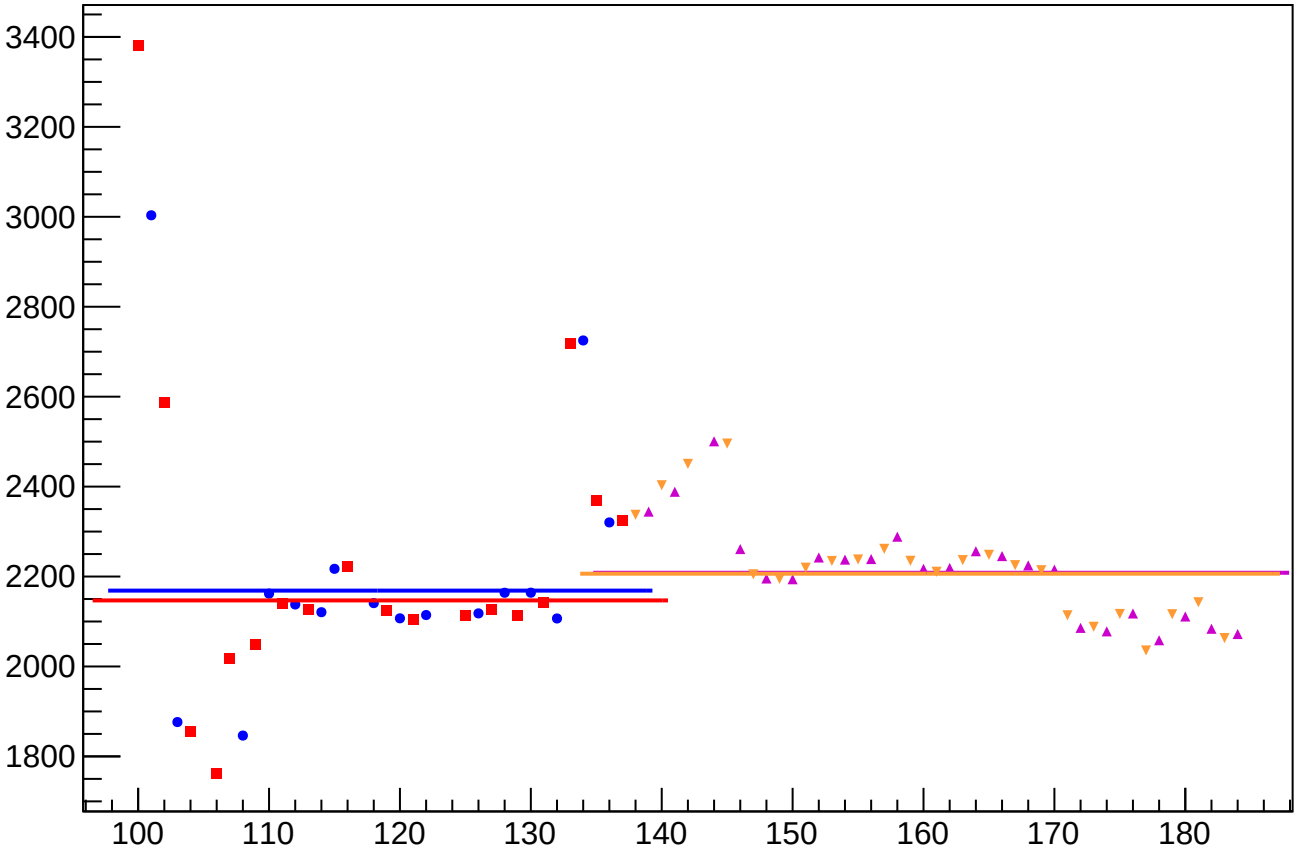
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3450.148+/-435.783 χ^2/NDF: 44.3/38

All: -666.004+/-307.933 χ^2/NDF: 251.8/79

- sign -4770.855+/-435.184 χ^2/NDF: 29.3/40

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

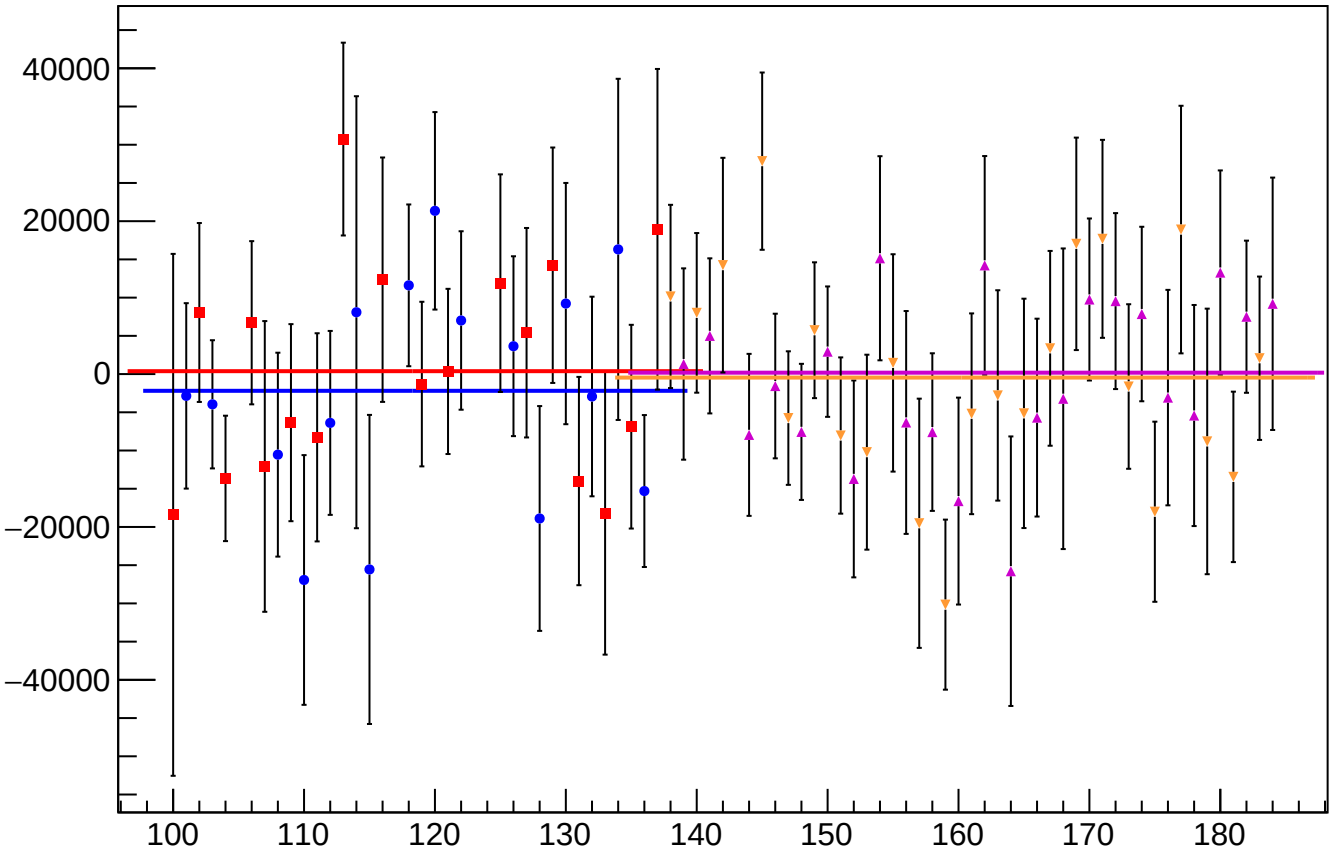
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2195.502+/-0.308 χ^2/NDF: 282791.3/38

All: 2192.974+/-0.218 χ^2/NDF: 529939.7/79

- sign 2190.461+/-0.307 χ^2/NDF: 247014.2/40



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

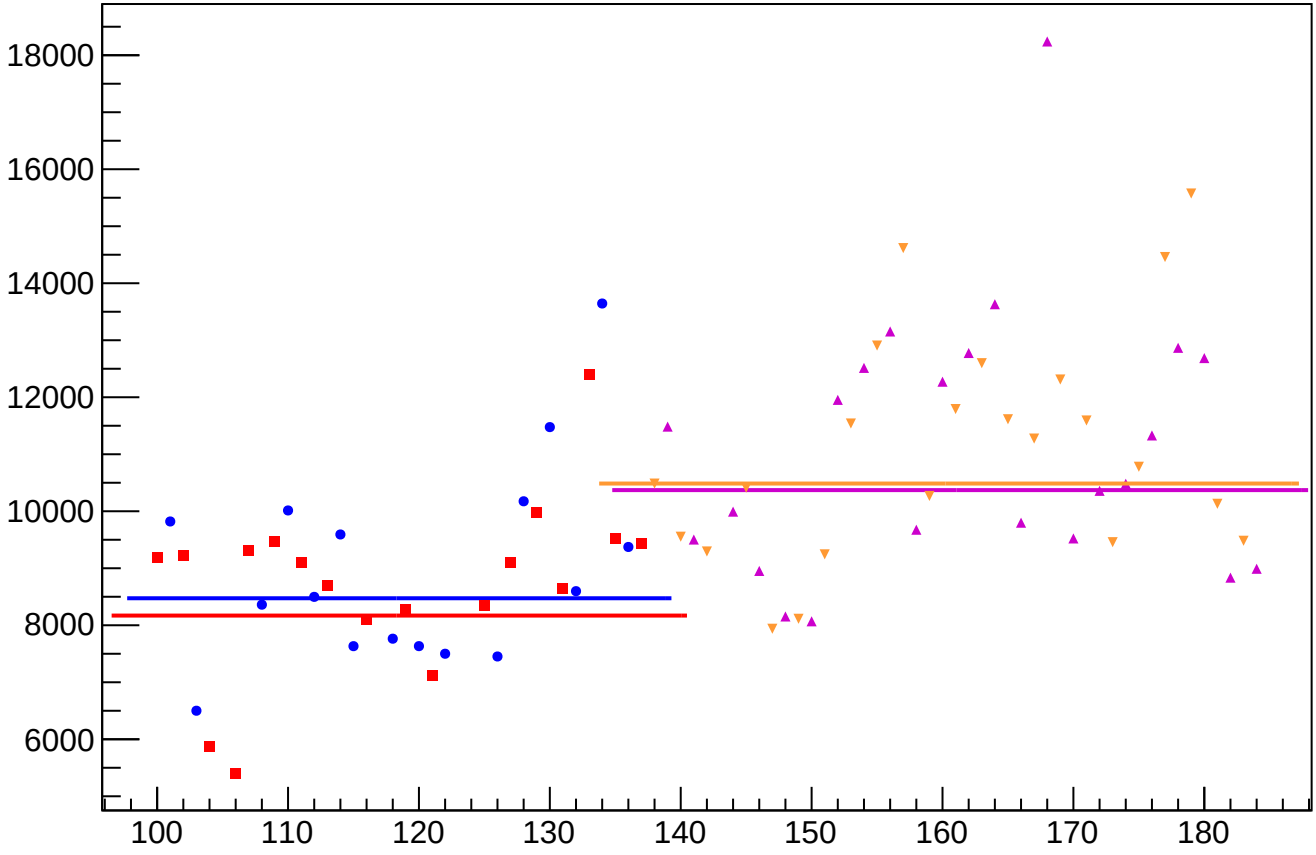
Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1114.181+/-1973.848 χ^2/NDF: 42.8/38

All: -413.077+/-1380.817 χ^2/NDF: 73.1/79

- sign 258.859+/-1932.355 χ^2/NDF: 30.1/40

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



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

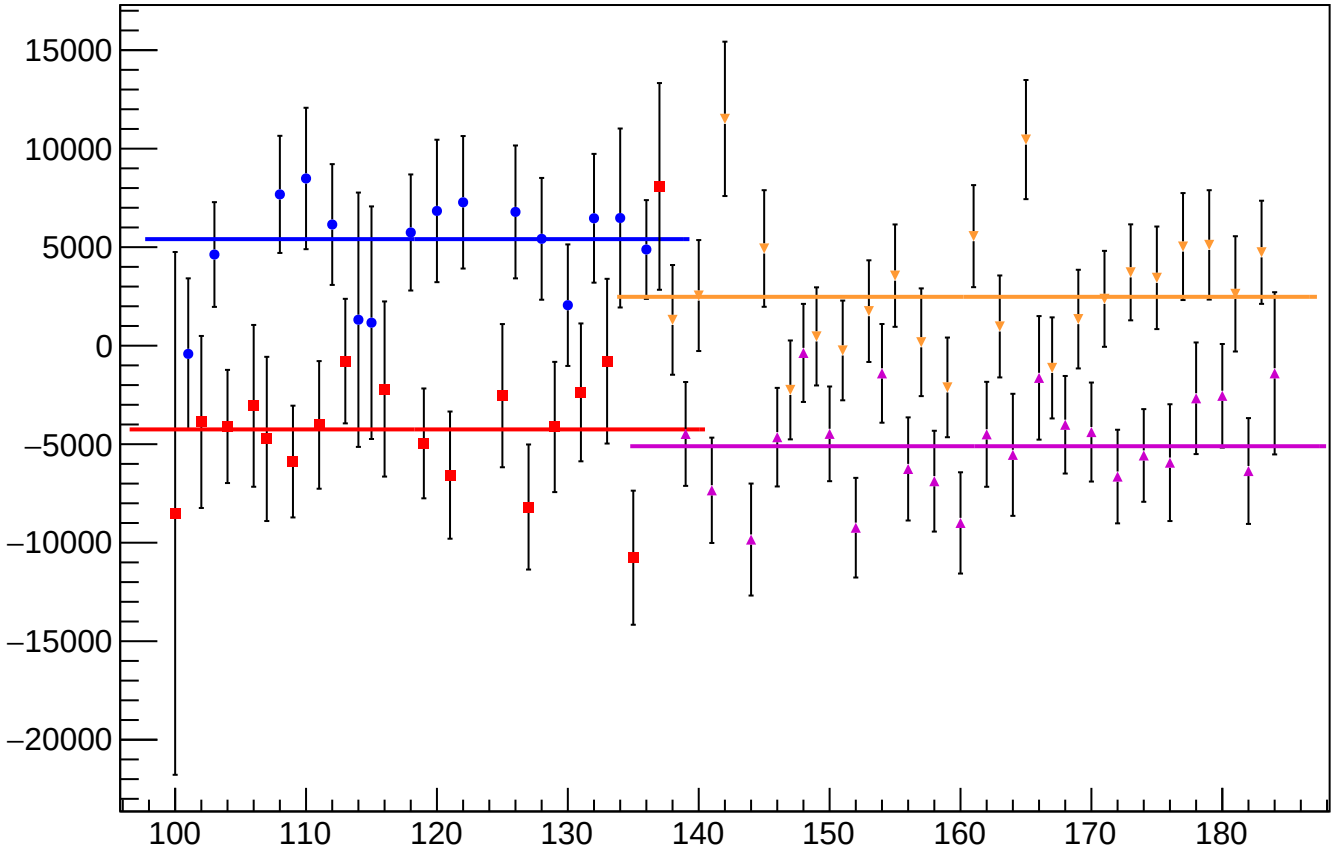
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9724.548+/-1.396 χ^2/NDF: 1958302.8/38

All: 9617.911+/-0.976 χ^2/NDF: 4329813.0/79

- sign 9515.710+/-1.366 χ^2/NDF: 2360078.1/40

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



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

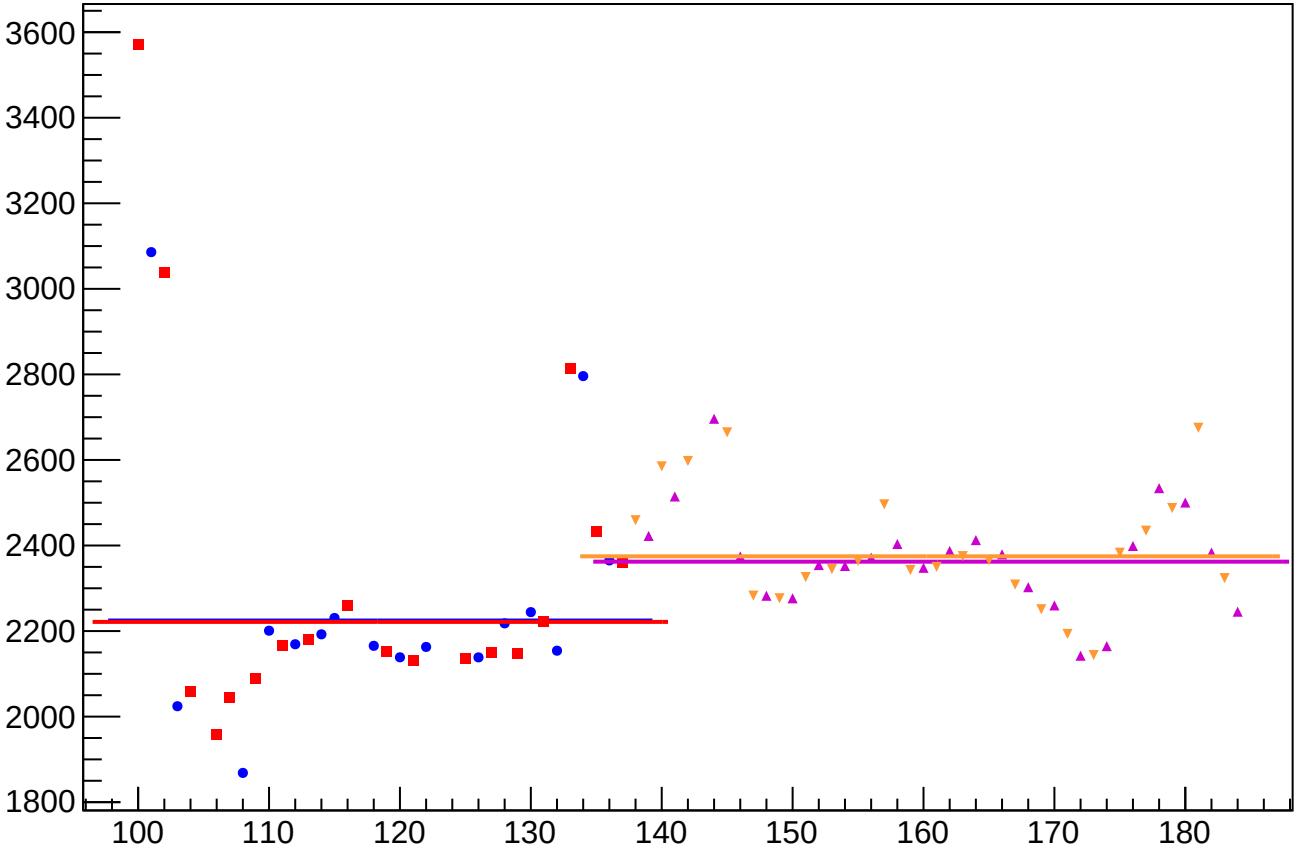
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3381.685+/-462.748 χ^2/NDF: 44.9/38

All: -742.442+/-326.784 χ^2/NDF: 238.4/79

- sign -4845.039+/-461.539 χ^2/NDF: 35.1/40

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

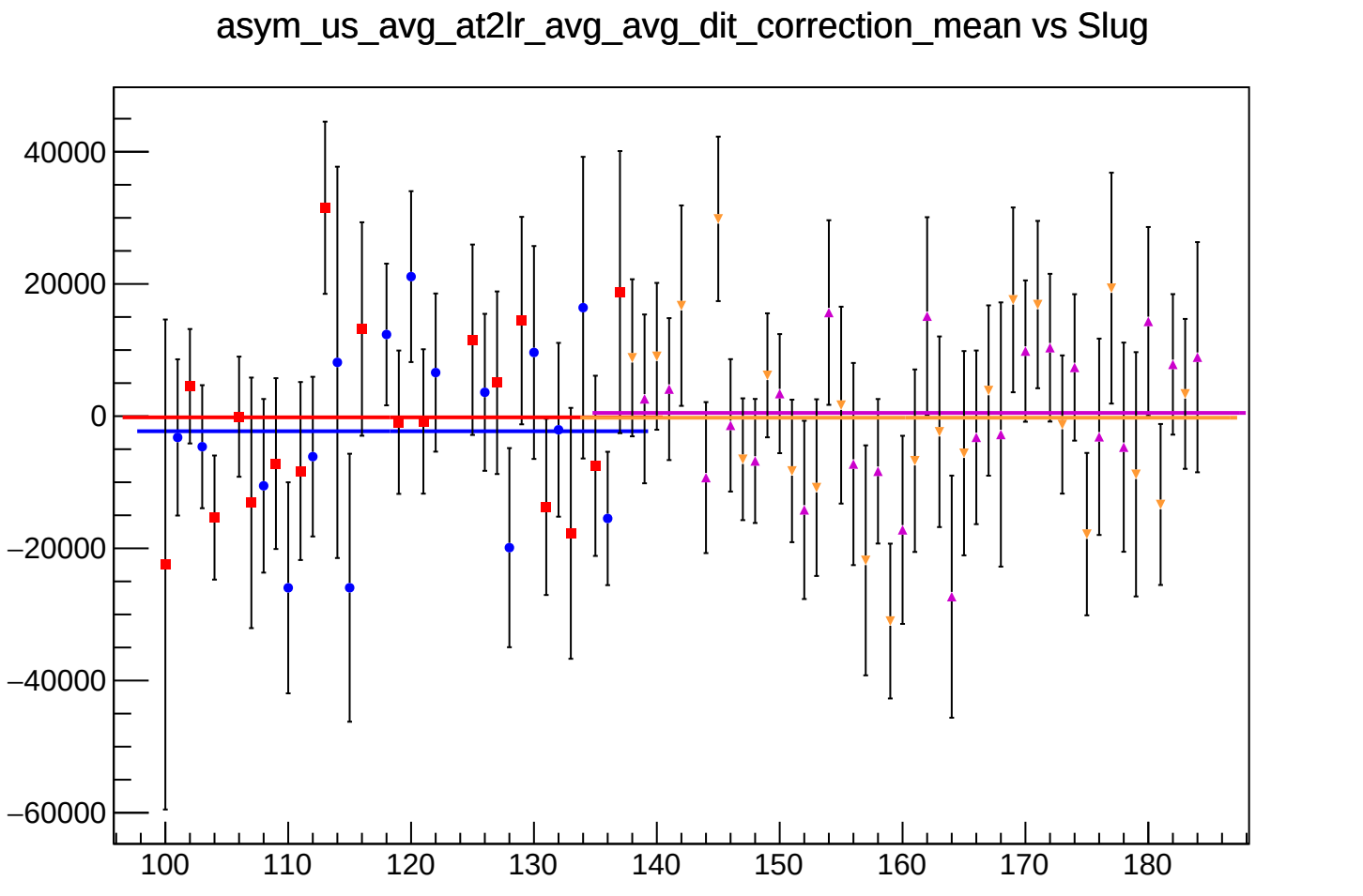
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2328.472+/-0.327 χ^2/NDF: 340924.3/38

All: 2324.028+/-0.231 χ^2/NDF: 642426.2/79

- sign 2319.609+/-0.326 χ^2/NDF: 301134.0/40



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -239.316+/-2611.902 χ^2/NDF:27.7/22

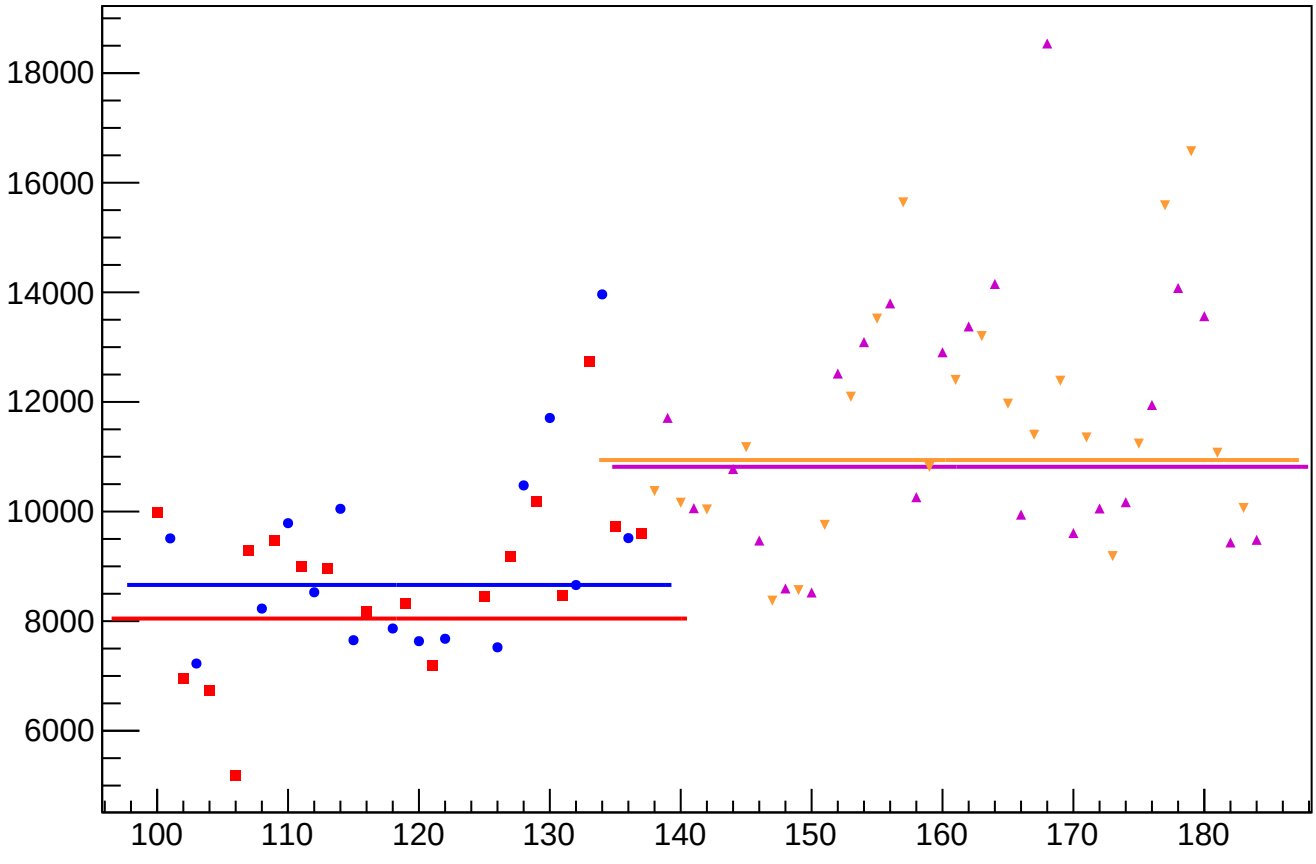
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -1033.032+/-2041.225 χ^2/NDF: 42.4/38

All: -387.431+/-1415.491 χ^2/NDF: 71.8/79

- sign 210.601+/-1964.587 χ^2/NDF: 29.2/40



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10939.706+/-1.847 χ^2/NDF:1054445.2/22

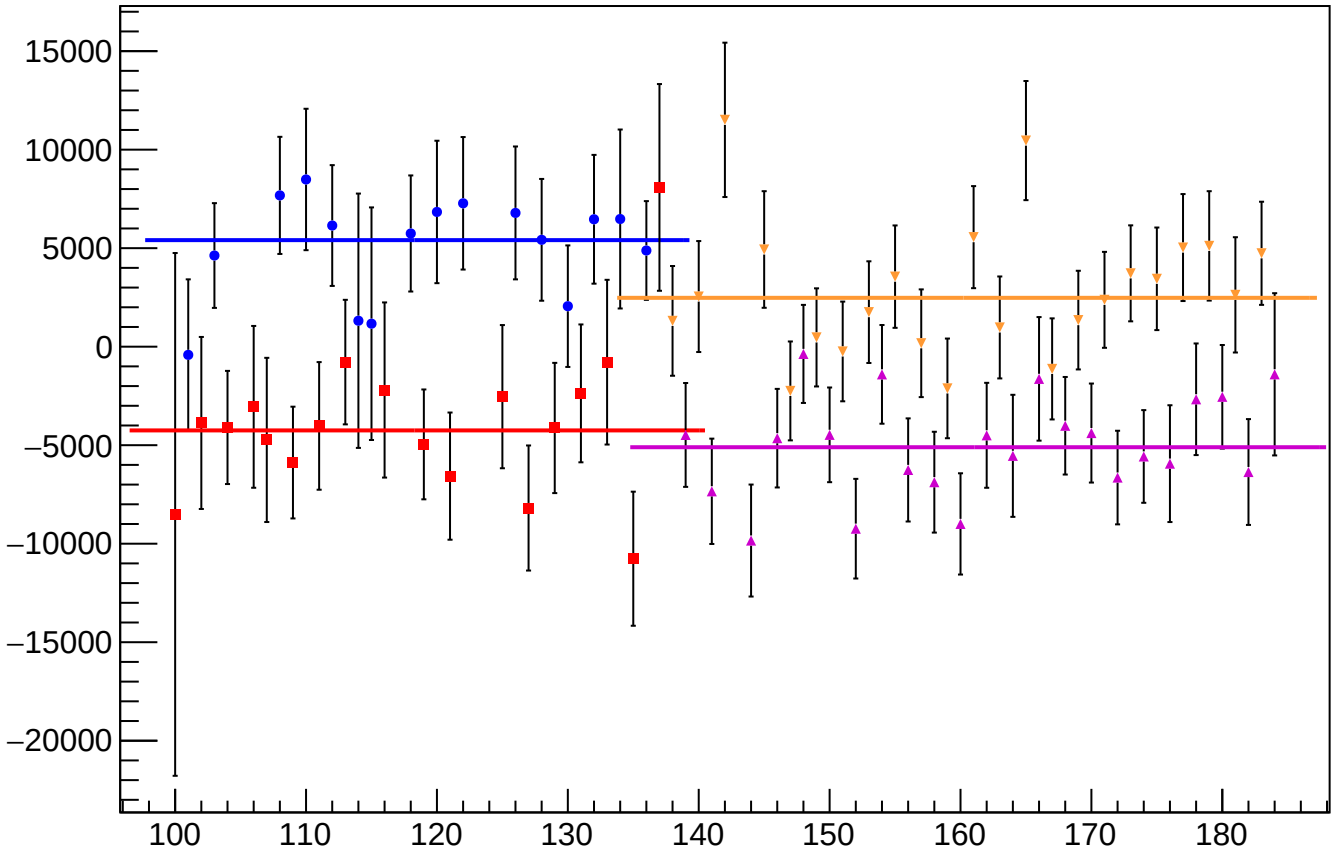
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10052.630+/-1.443 χ^2/NDF: 2005081.5/38

All: 9846.942+/-1.001 χ^2/NDF: 4766644.1/79

- sign 9656.410+/-1.389 χ^2/NDF: 2722443.1/40



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

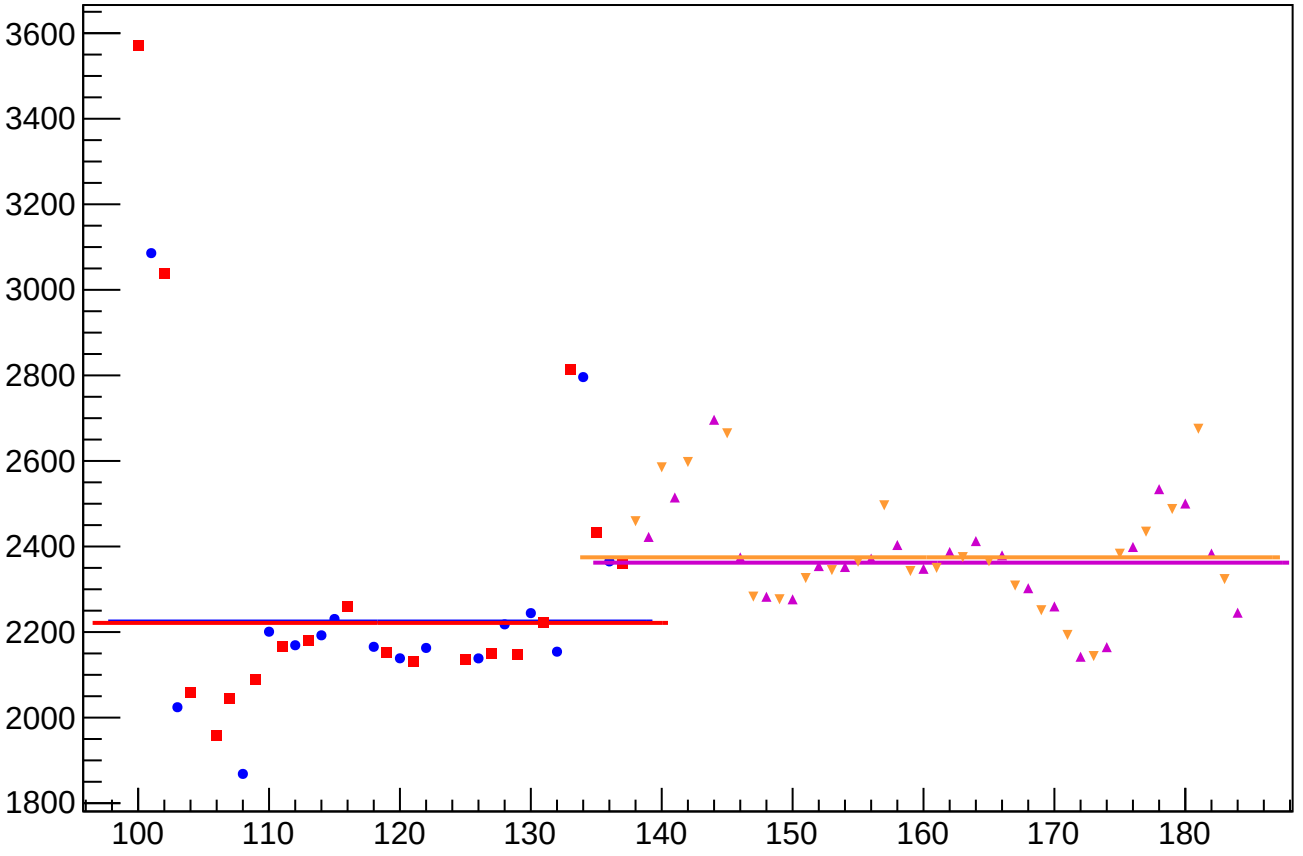
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3381.679+/-462.749 χ^2/NDF: 44.9/38

All: -742.446+/-326.784 χ^2/NDF: 238.4/79

- sign -4845.042+/-461.539 χ^2/NDF: 35.1/40

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

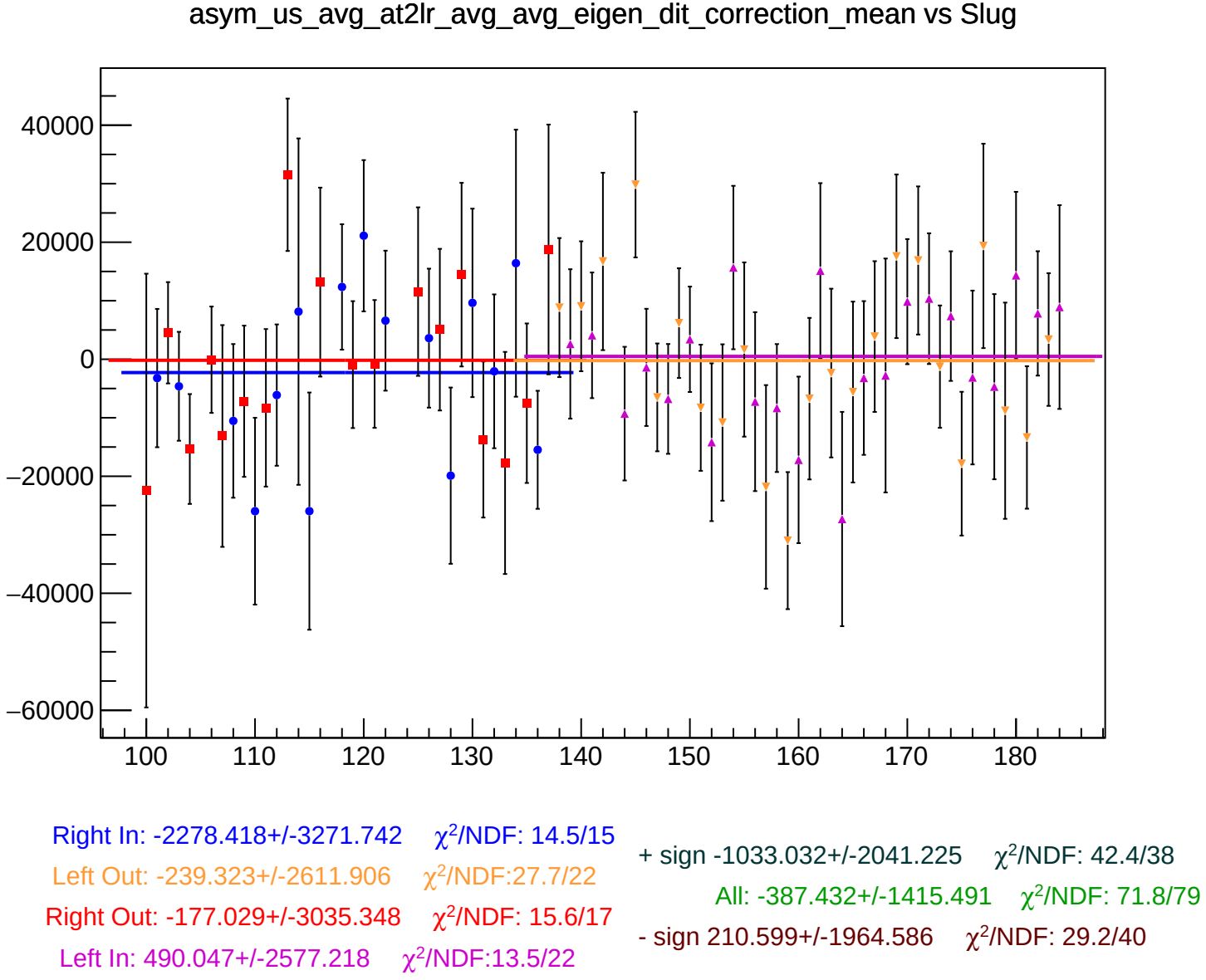
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

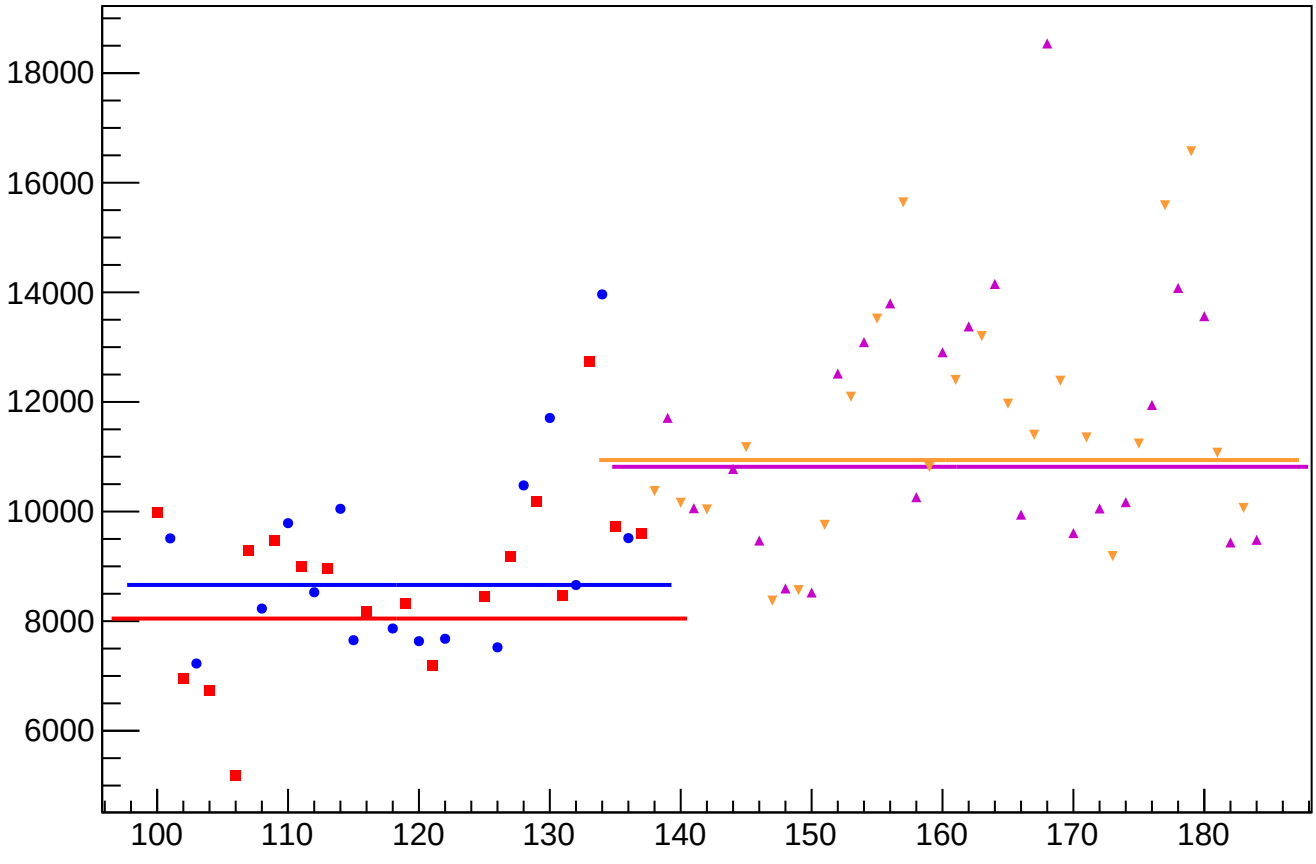
Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2328.474+/-0.327 χ^2/NDF: 340931.4/38

All: 2324.030+/-0.231 χ^2/NDF: 642440.0/79

- sign 2319.611+/-0.326 χ^2/NDF: 301140.8/40


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
180
Right In: -2278.418+/-3271.742 χ²/NDF: 14.5/15
Left Out: -239.323+/-2611.906 χ²/NDF:27.7/22
Right Out: -177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: 490.047+/-2577.218 χ²/NDF:13.5/22
+ sign -1033.032+/-2041.225 χ²/NDF: 42.4/38
All: -387.432+/-1415.491 χ²/NDF: 71.8/79
- sign 210.599+/-1964.586 χ²/NDF: 29.2/40



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

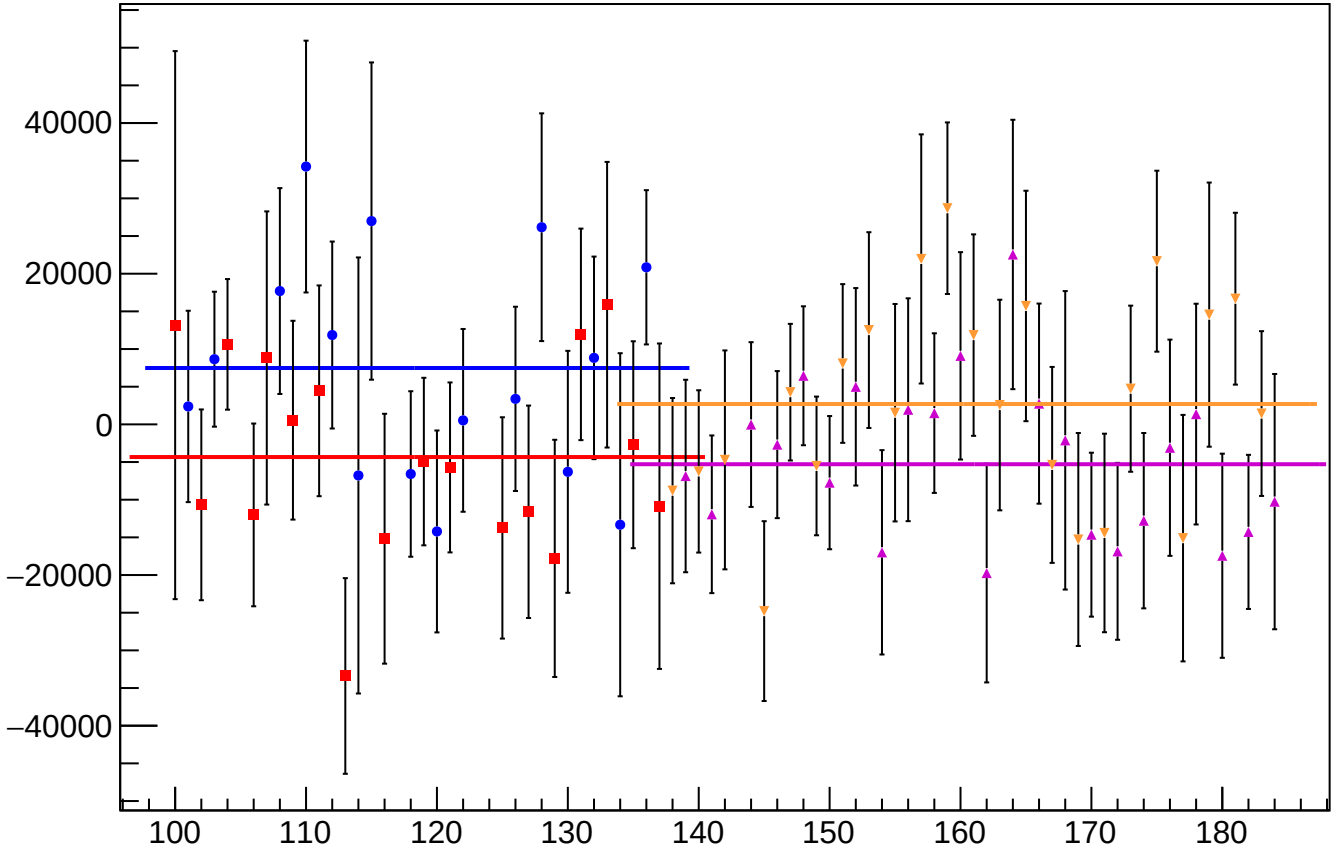
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10052.628+/-1.443 χ^2/NDF: 2005107.4/38

All: 9846.940+/-1.001 χ^2/NDF: 4766697.4/79

- sign 9656.407+/-1.389 χ^2/NDF: 2722470.4/40

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

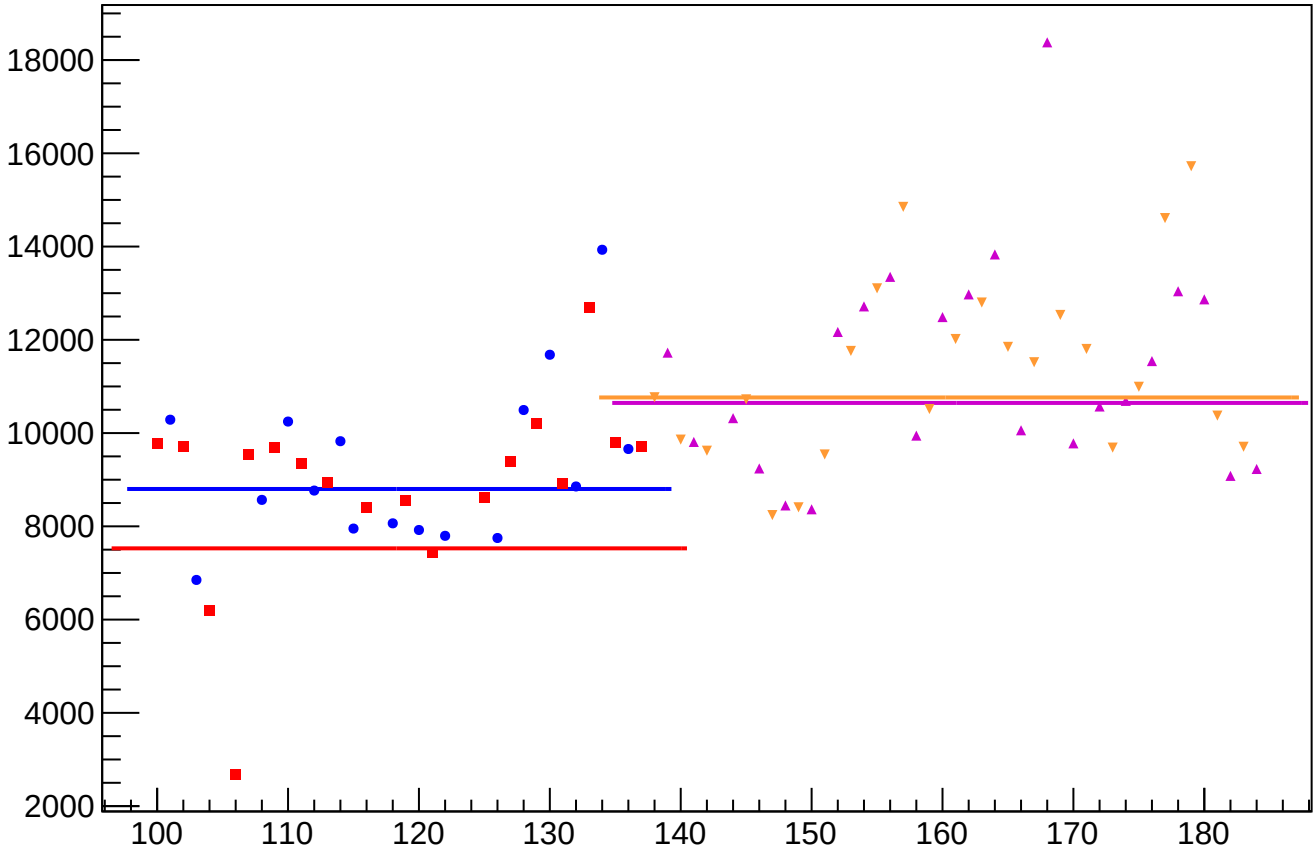
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4480.004+/-2032.619 χ^2/NDF: 41.3/38

All: -310.032+/-1424.211 χ^2/NDF: 79.9/79

- sign -4929.737+/-1996.152 χ^2/NDF: 27.7/40

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

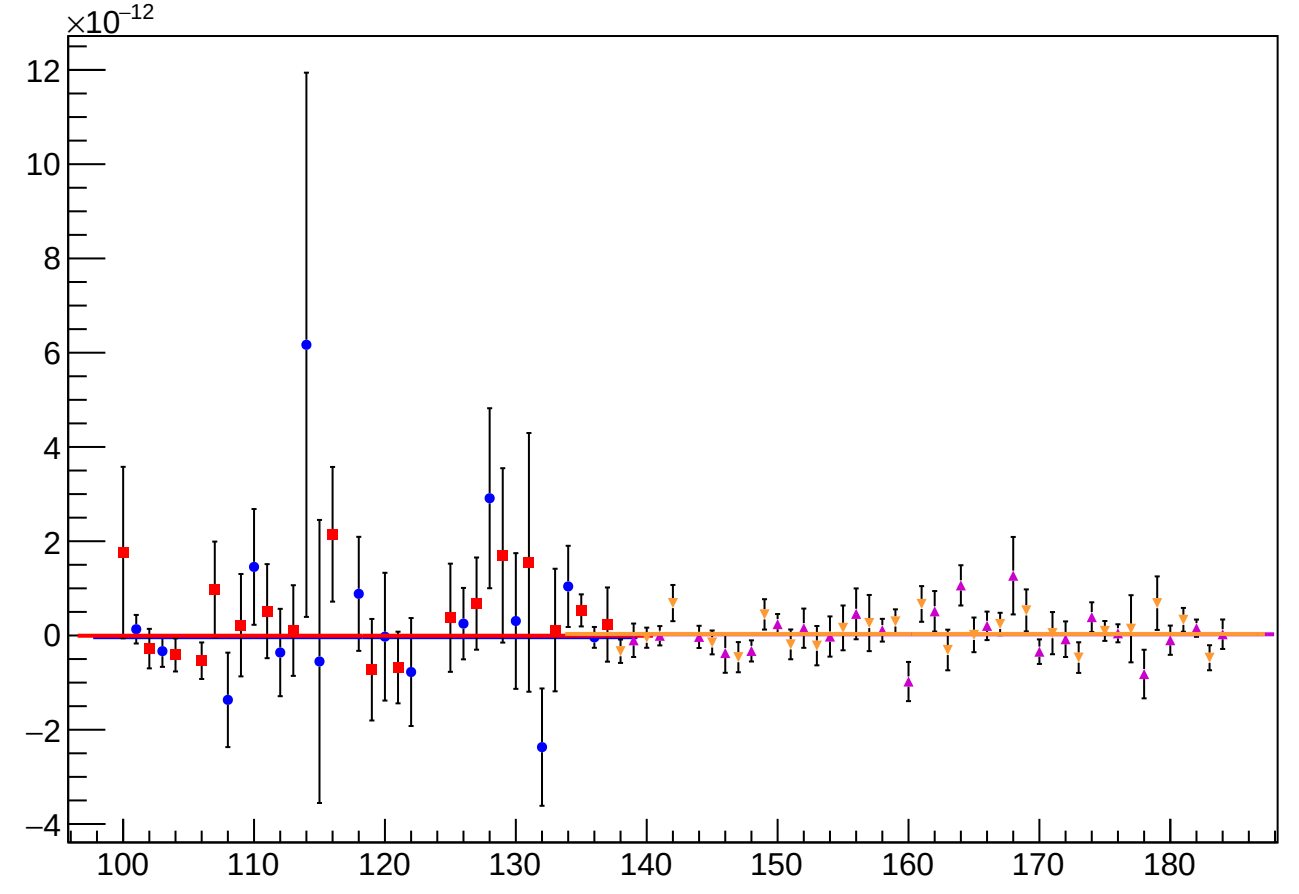
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

\+ sign 10033.026+/-1.437 χ^2/NDF: 1789153.7/38

All: 9677.087+/-0.992 χ^2/NDF: 5934567.3/79

\- sign 9353.497+/-1.370 χ^2/NDF: 4028327.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/22

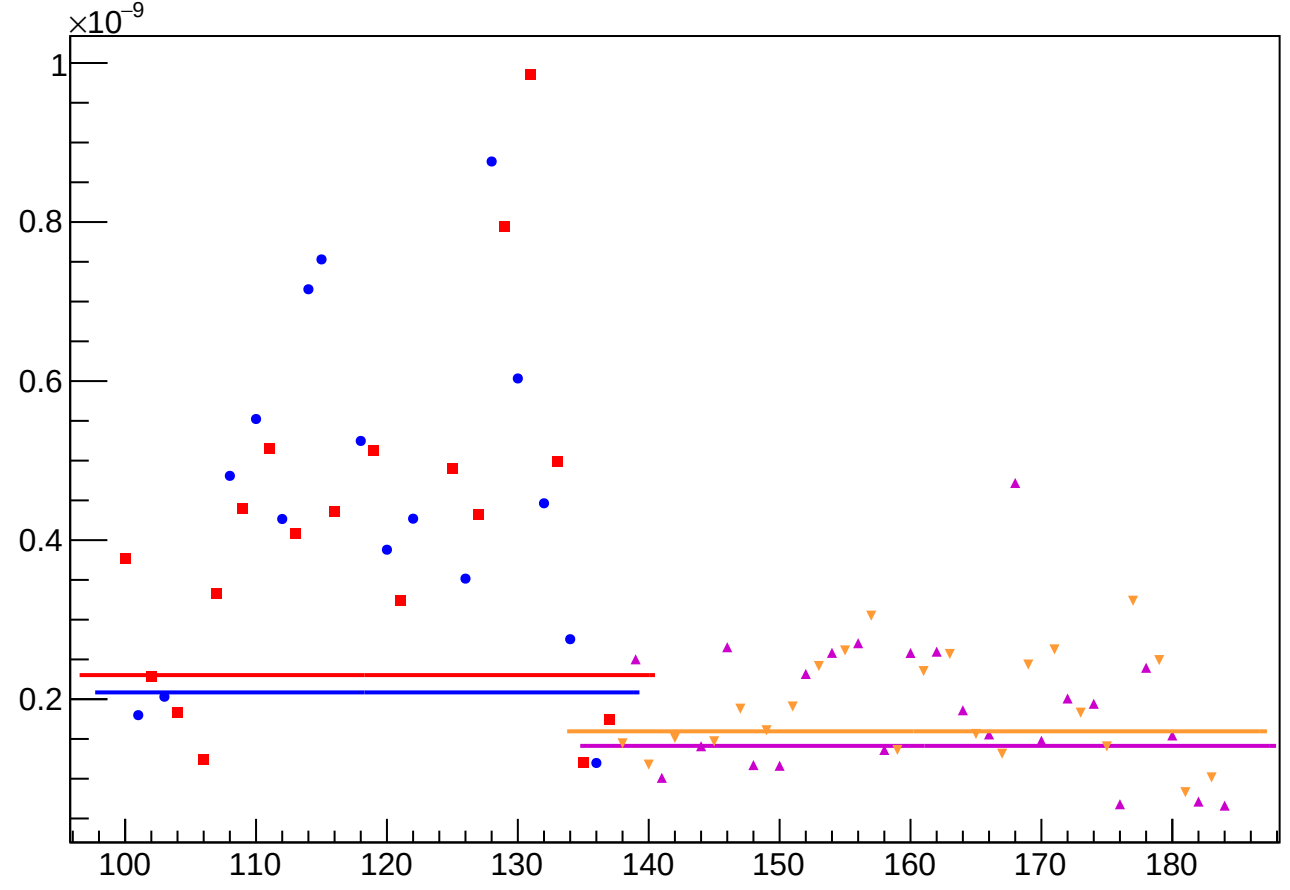
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.7/38

All: 0.000+/-0.000 χ^2/NDF: 82.4/79

- sign 0.000+/-0.000 χ^2/NDF: 41.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1278536.2/22

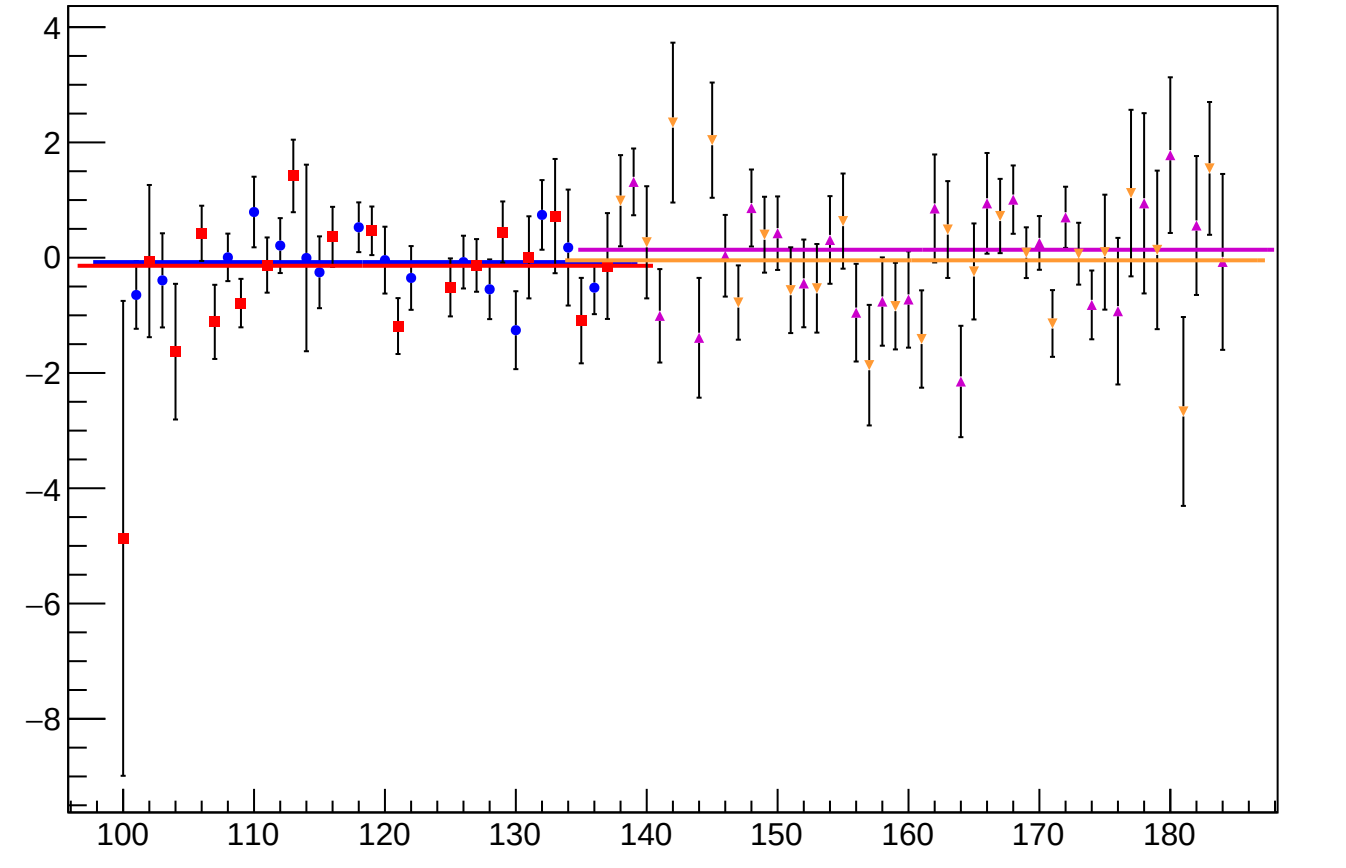
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3107101.4/38

All: 0.000+/-0.000 χ^2/NDF: 7696498.3/79

- sign 0.000+/-0.000 χ^2/NDF: 4519921.2/40



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.046+/-0.162 χ^2/NDF:30.0/22

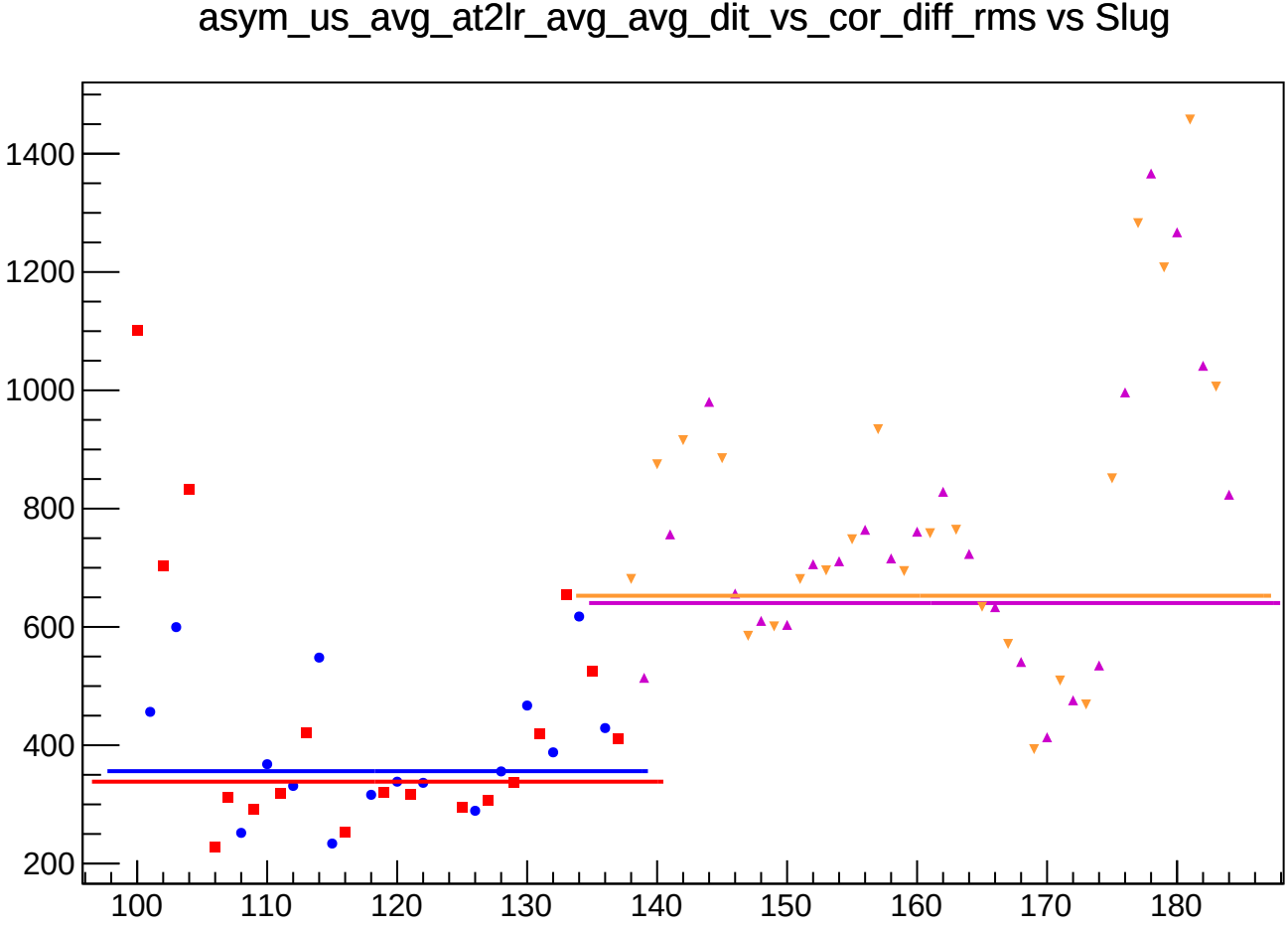
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.063+/-0.106 χ^2/NDF: 42.5/38

All: -0.041+/-0.074 χ^2/NDF: 101.3/79

- sign -0.020+/-0.104 χ^2/NDF: 58.7/40



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 652.736+/-0.115 χ^2/NDF:3115332.4/22

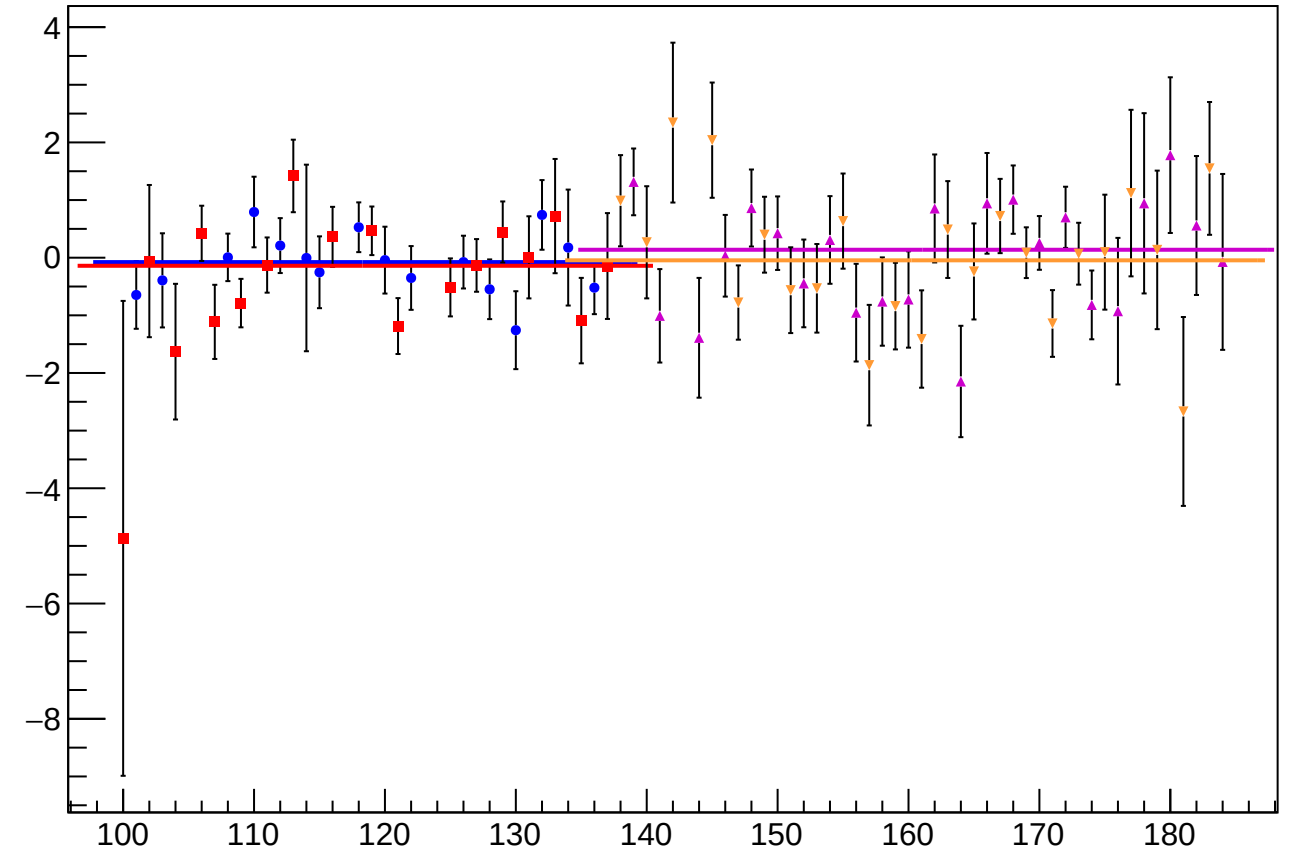
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 482.612+/-0.075 χ^2/NDF: 7731381.9/38

All: 475.766+/-0.052 χ^2/NDF: 15748142.1/79

- sign 469.186+/-0.073 χ^2/NDF: 8000388.0/40



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.046+/-0.162 χ^2/NDF:30.0/22

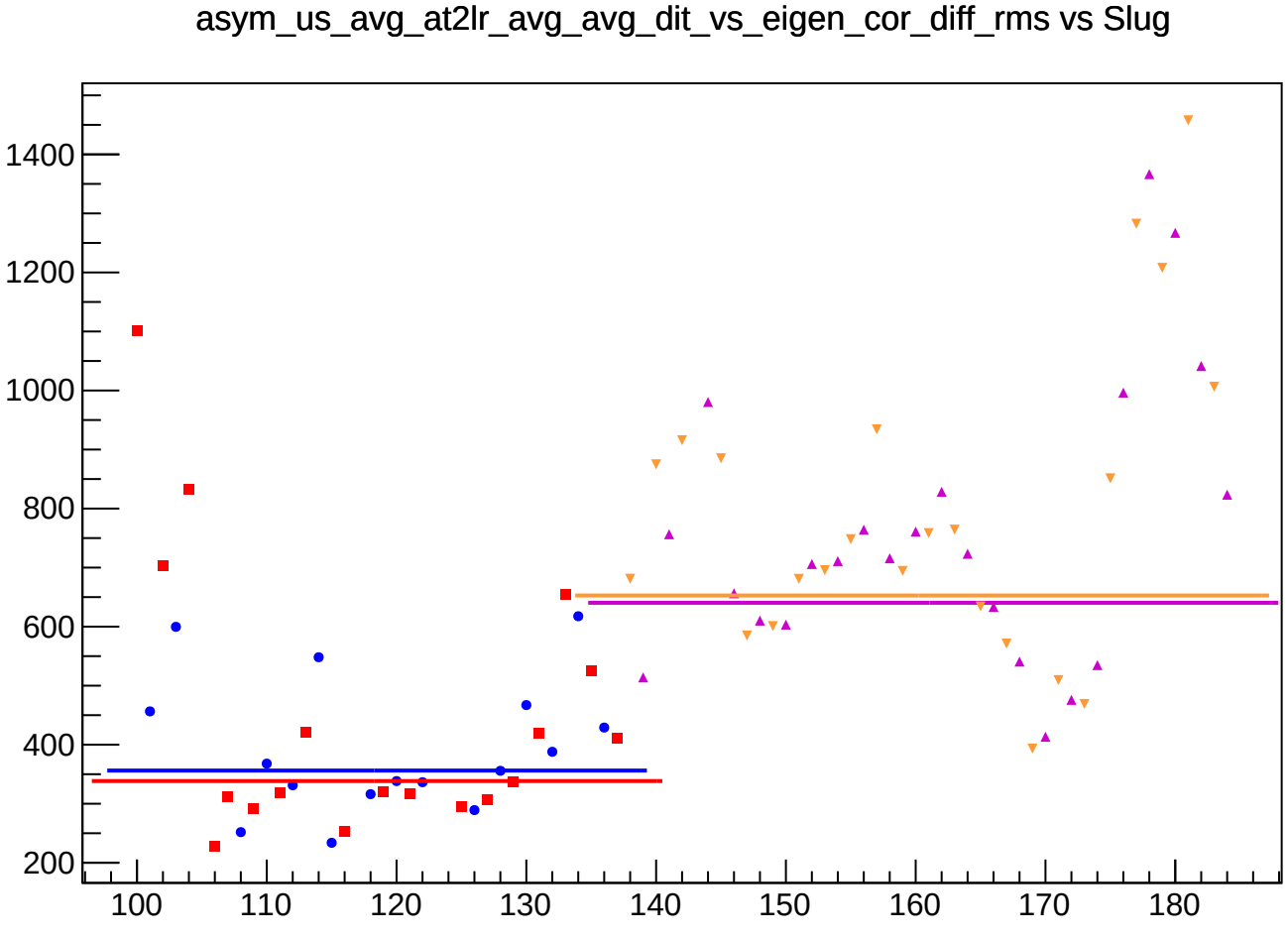
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.063+/-0.106 χ^2/NDF: 42.5/38

All: -0.041+/-0.074 χ^2/NDF: 101.3/79

- sign -0.020+/-0.104 χ^2/NDF: 58.7/40



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 652.736+/-0.115 χ^2/NDF:3115332.4/22

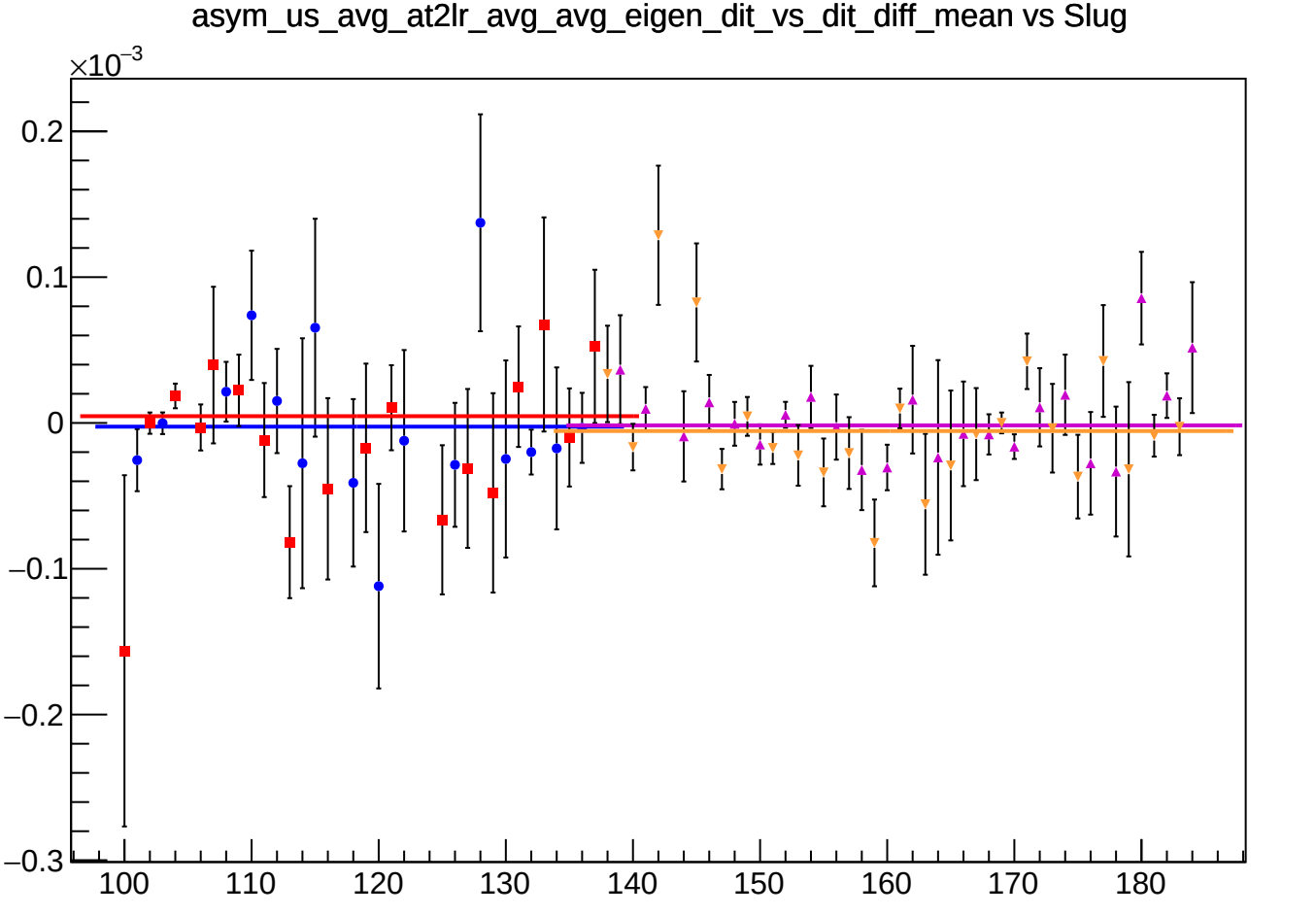
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

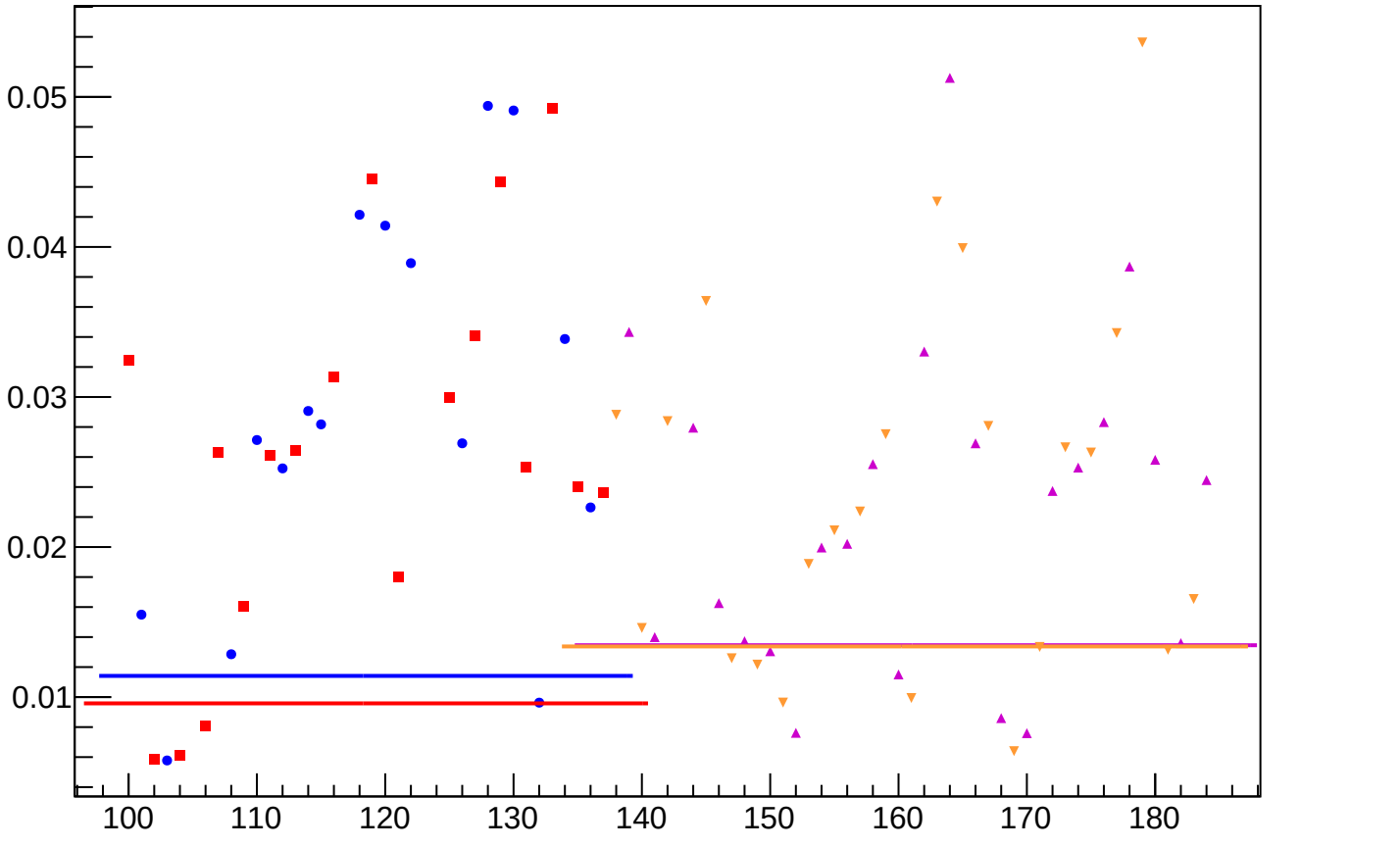
Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 482.612+/-0.075 χ^2/NDF: 7731381.9/38

All: 475.766+/-0.052 χ^2/NDF: 15748142.1/79

- sign 469.186+/-0.073 χ^2/NDF: 8000388.0/40


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:41.5/22
Right Out: 0.000+/-0.000 χ²/NDF: 17.1/17
Left In: -0.000+/-0.000 χ²/NDF:25.6/22
+ sign -0.000+/-0.000 χ²/NDF: 56.7/38
All: -0.000+/-0.000 χ²/NDF: 102.1/79
- sign 0.000+/-0.000 χ²/NDF: 43.8/40



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:8731565.1/22

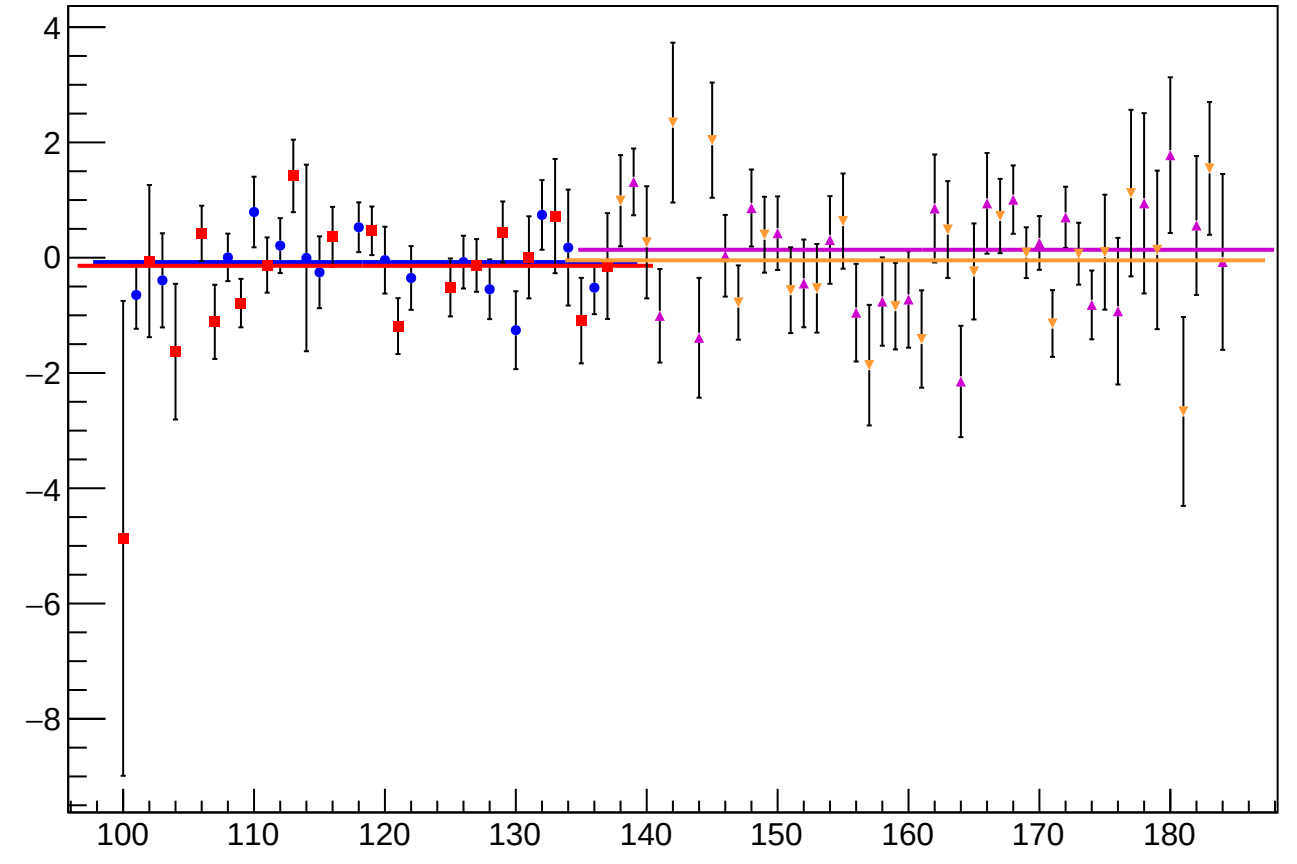
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 14404338.5/38

All: 0.012+/-0.000 χ^2/NDF: 28639969.7/79

- sign 0.012+/-0.000 χ^2/NDF: 14164795.3/40



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.046+/-0.162 χ^2/NDF:30.0/22

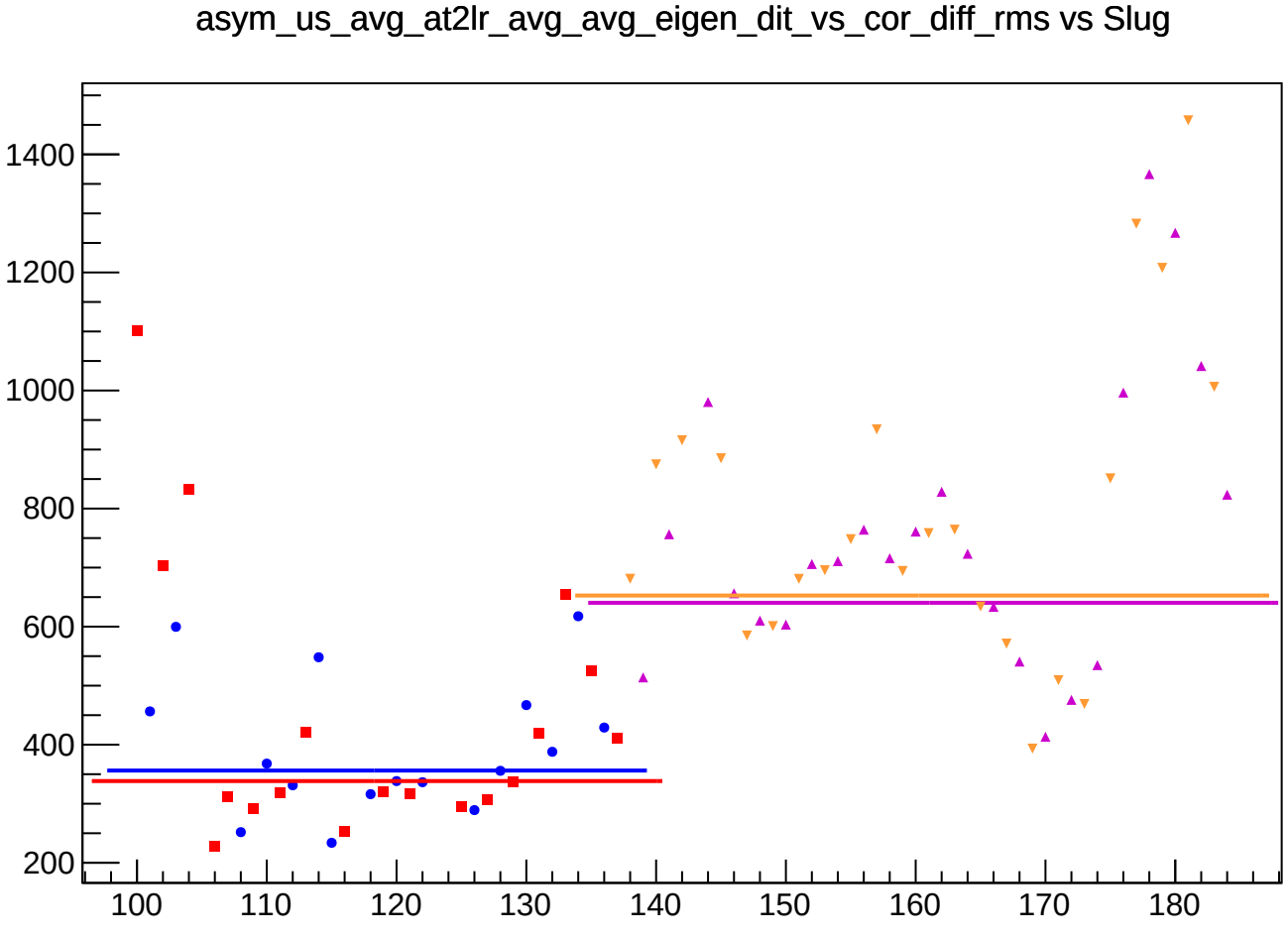
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

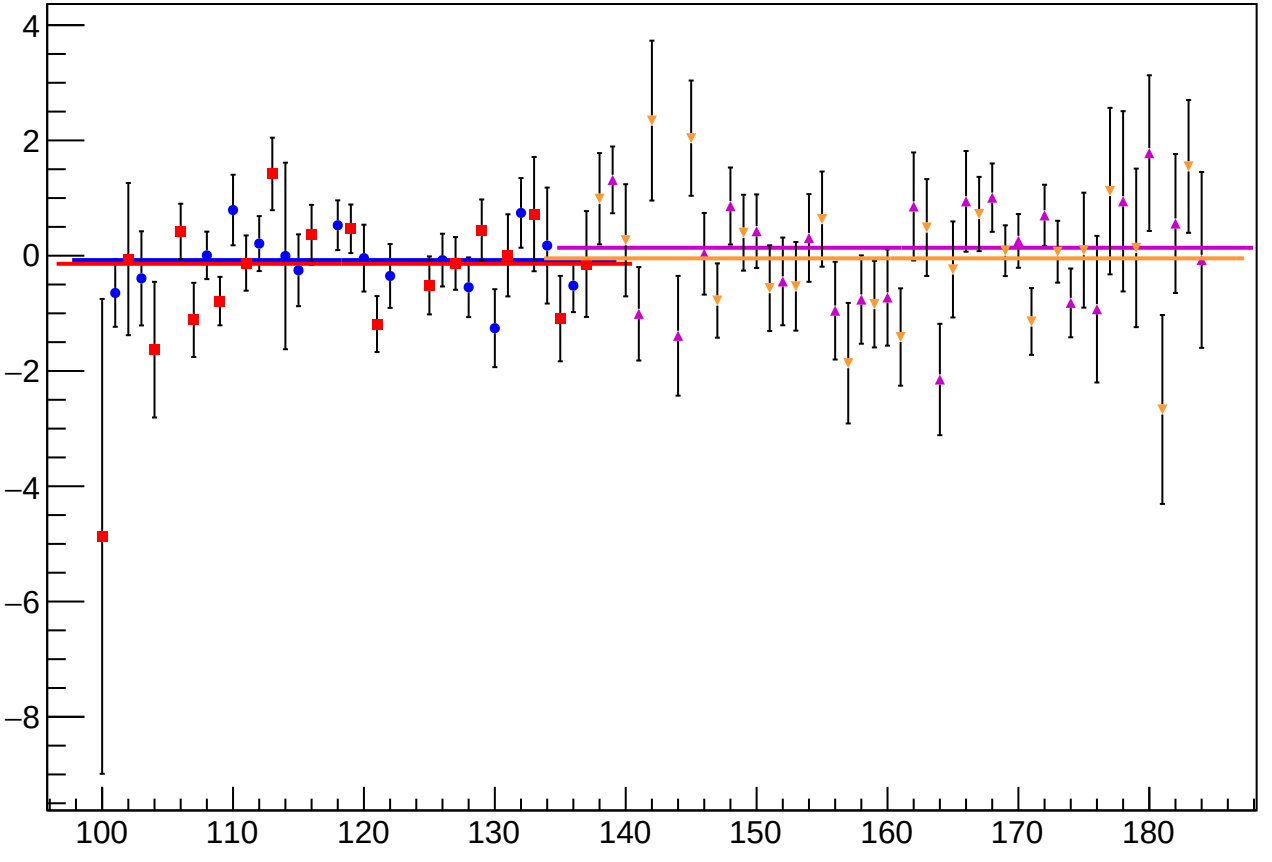
+ sign -0.063+/-0.106 χ^2/NDF: 42.5/38

All: -0.041+/-0.074 χ^2/NDF: 101.3/79

- sign -0.020+/-0.104 χ^2/NDF: 58.7/40


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 652.736+/-0.115 χ²/NDF:3115549.6/22
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 482.610+/-0.075 χ²/NDF: 7731608.6/38
All: 475.764+/-0.052 χ²/NDF: 15748627.5/79
- sign 469.184+/-0.073 χ²/NDF: 8000646.7/40

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.046+/-0.162 χ^2/NDF:30.0/22

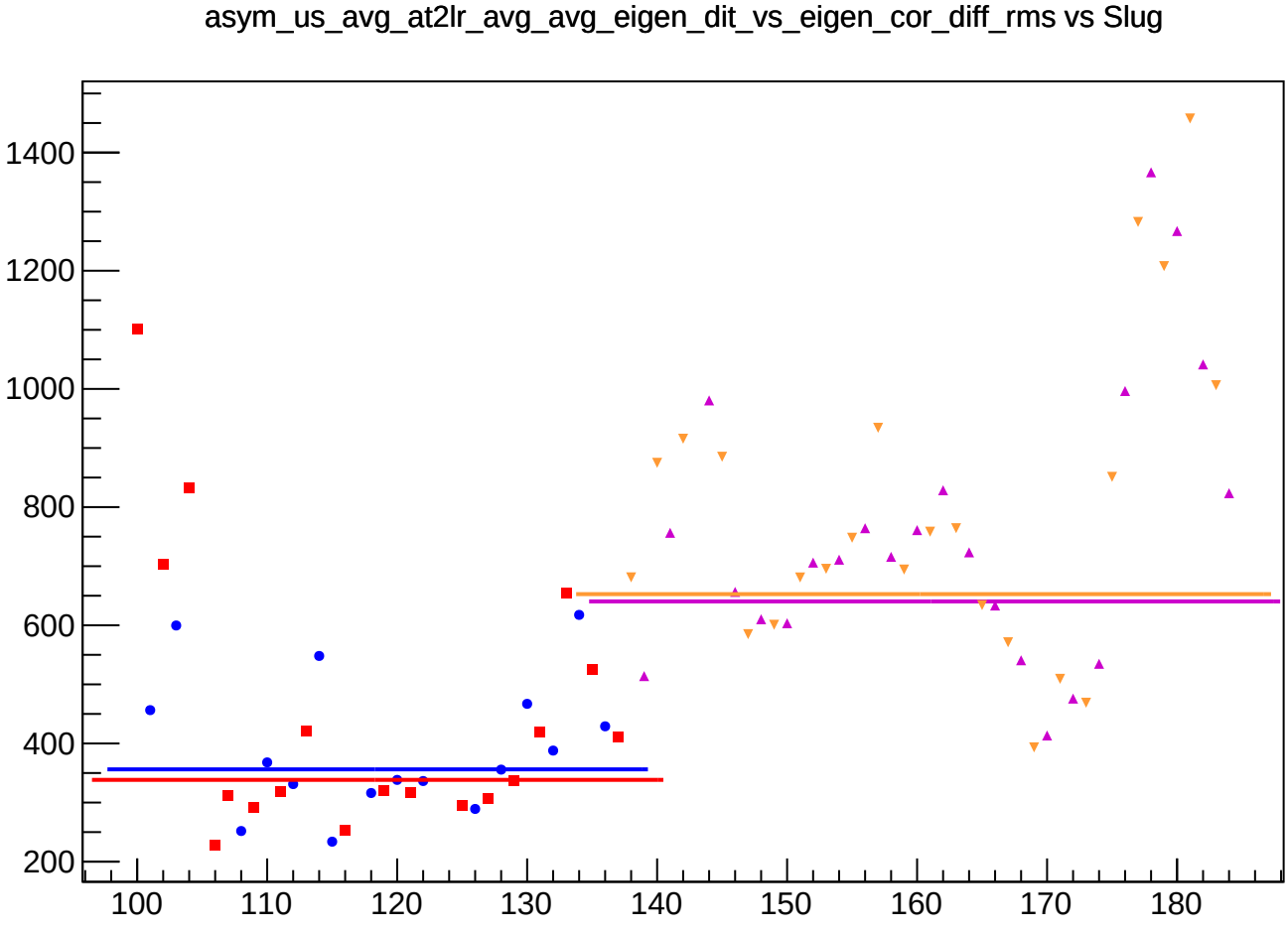
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.063+/-0.106 χ^2/NDF: 42.5/38

All: -0.041+/-0.074 χ^2/NDF: 101.3/79

- sign -0.020+/-0.104 χ^2/NDF: 58.7/40



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 652.736+/-0.115 χ^2/NDF:3115549.6/22

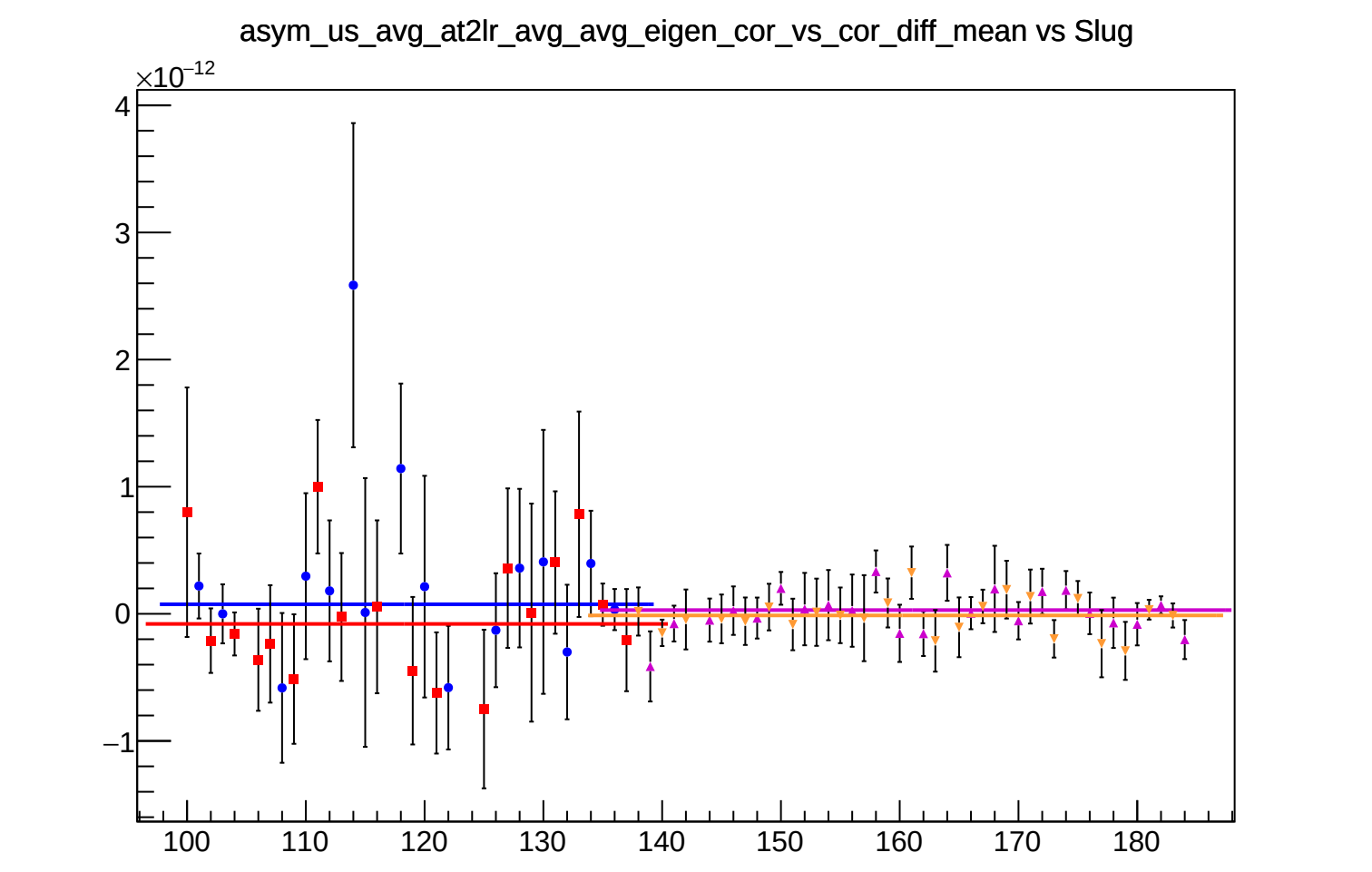
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

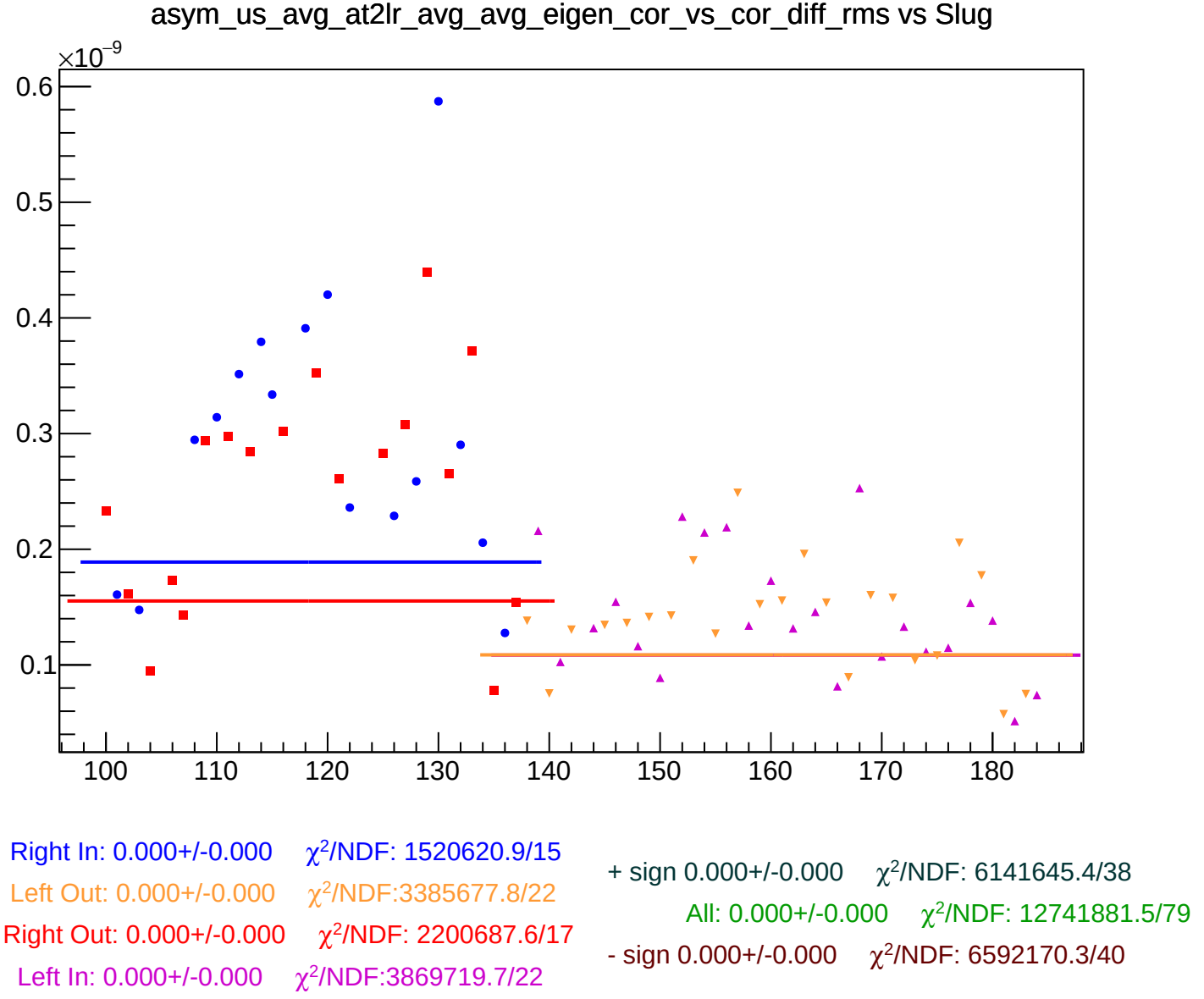
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 482.610+/-0.075 χ^2/NDF: 7731608.6/38

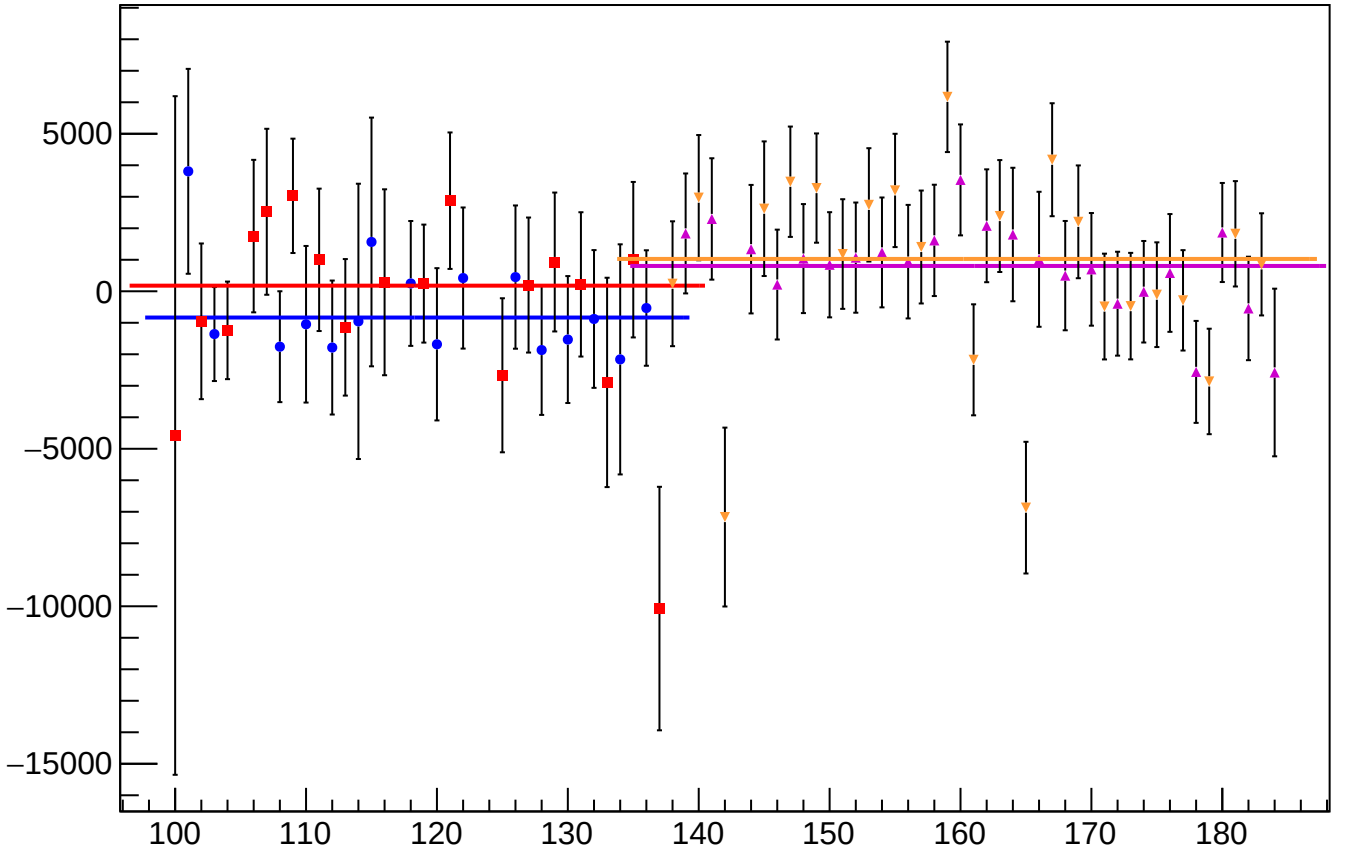
All: 475.764+/-0.052 χ^2/NDF: 15748627.5/79

- sign 469.184+/-0.073 χ^2/NDF: 8000646.7/40


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:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 25.0/38
All: 0.000+/-0.000 χ²/NDF: 57.5/79
- sign 0.000+/-0.000 χ²/NDF: 32.3/40


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:3385677.8/22
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:3869719.7/22
+ sign 0.000+/-0.000 χ²/NDF: 6141645.4/38
All: 0.000+/-0.000 χ²/NDF: 12741881.5/79
- sign 0.000+/-0.000 χ²/NDF: 6592170.3/40

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

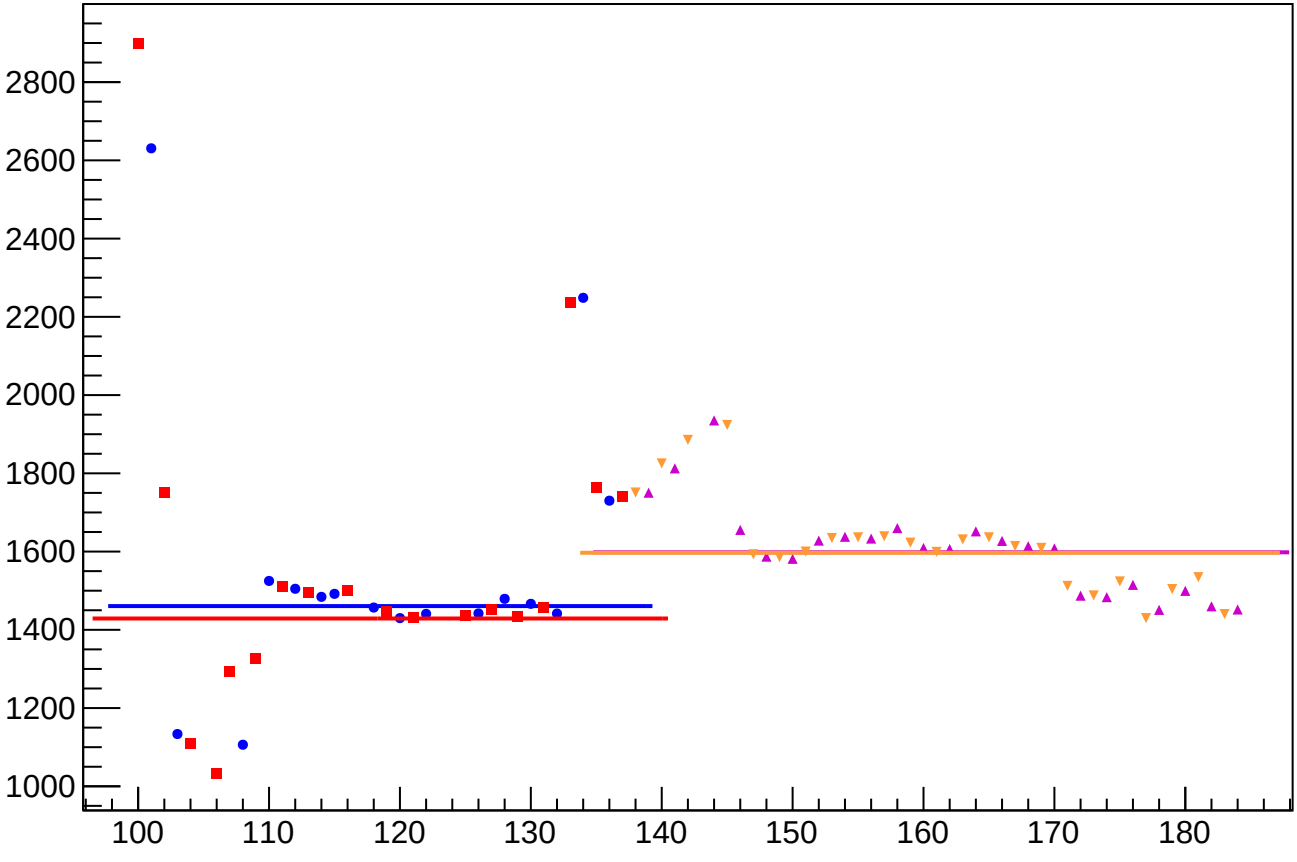
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 445.135+/-310.262 χ^2/NDF: 67.1/38

All: 525.400+/-218.912 χ^2/NDF: 97.0/79

- sign 604.971+/-308.919 χ^2/NDF: 29.8/40

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

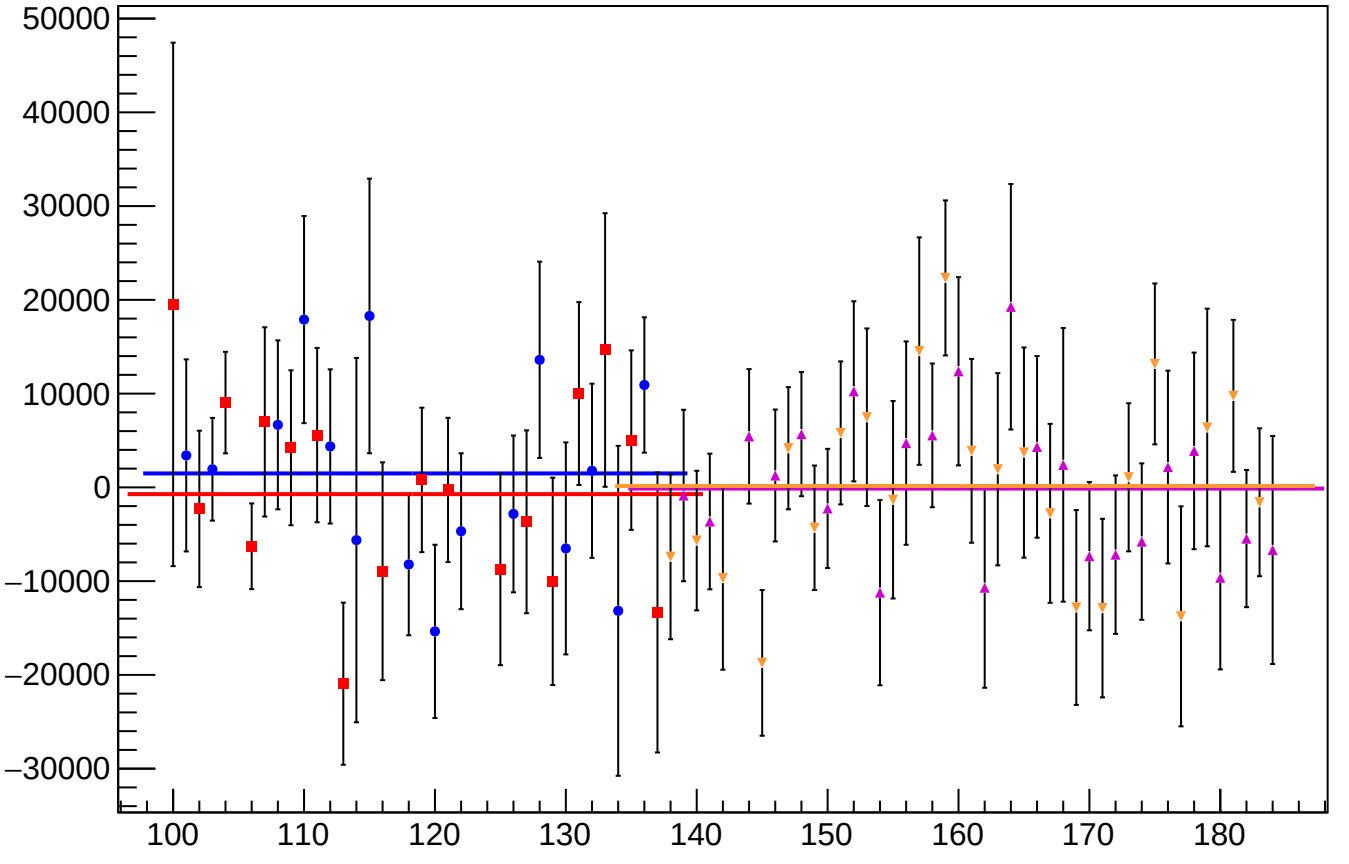
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1554.347+/-0.219 χ^2/NDF: 836701.5/38

All: 1549.027+/-0.155 χ^2/NDF: 1549708.1/79

- sign 1543.777+/-0.218 χ^2/NDF: 711838.2/40



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

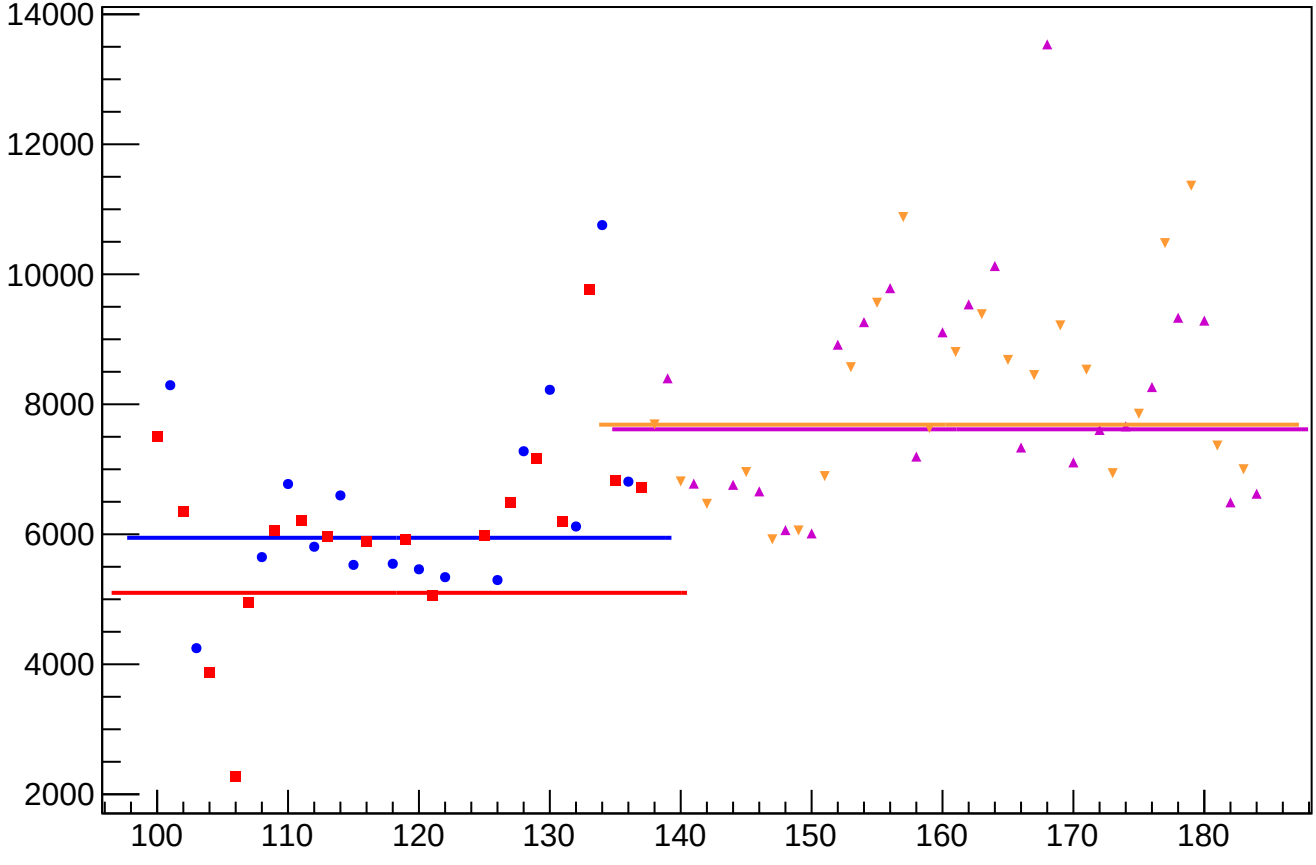
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 679.210+/-1427.090 χ^2/NDF: 42.5/38

All: 112.460+/-979.747 χ^2/NDF: 74.2/79

- sign -392.819+/-1347.477 χ^2/NDF: 31.4/40

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



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

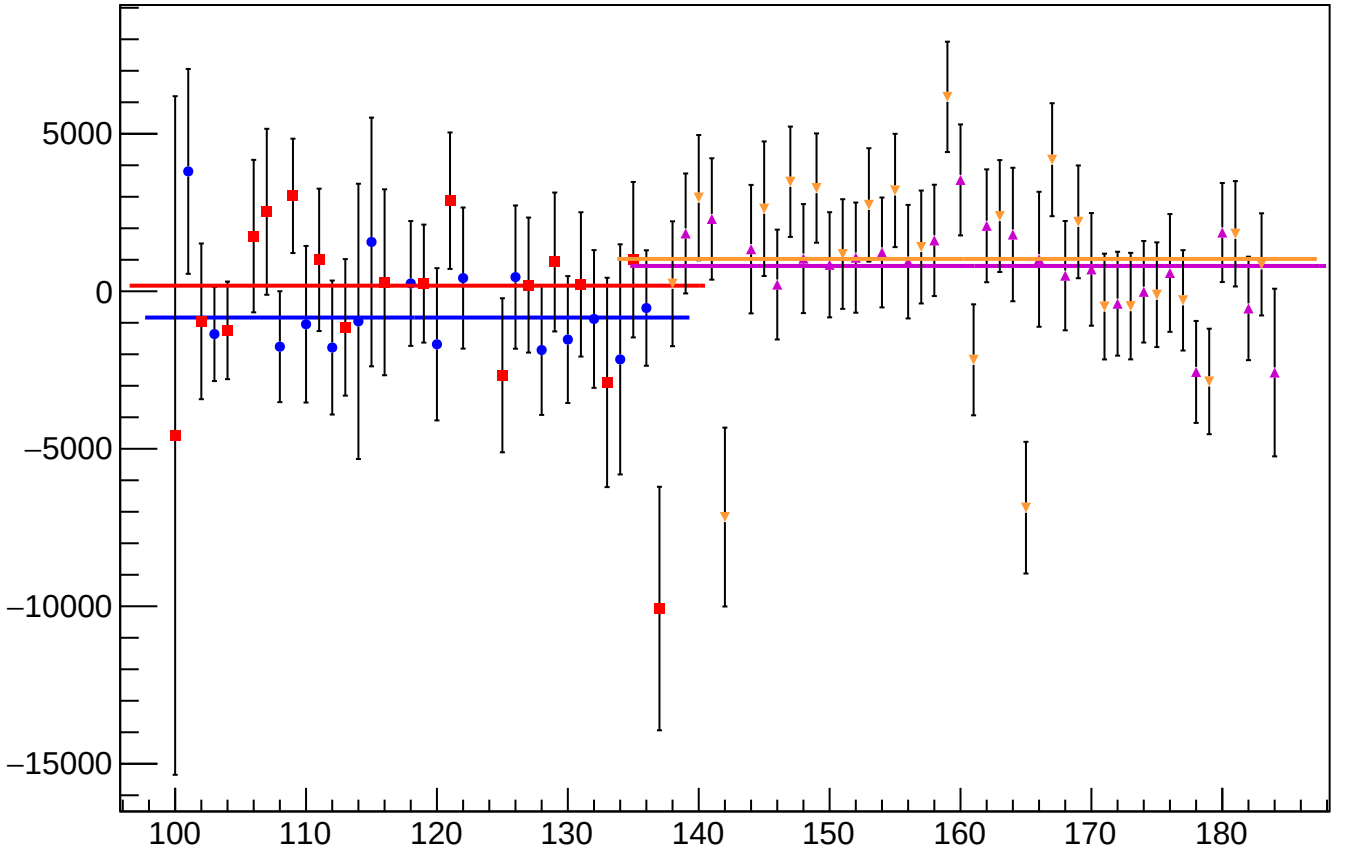
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 6997.530+/-1.009 χ^2/NDF: 2424070.1/38

All: 6727.189+/-0.693 χ^2/NDF: 6989037.3/79

- sign 6486.169+/-0.953 χ^2/NDF: 4429208.7/40

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

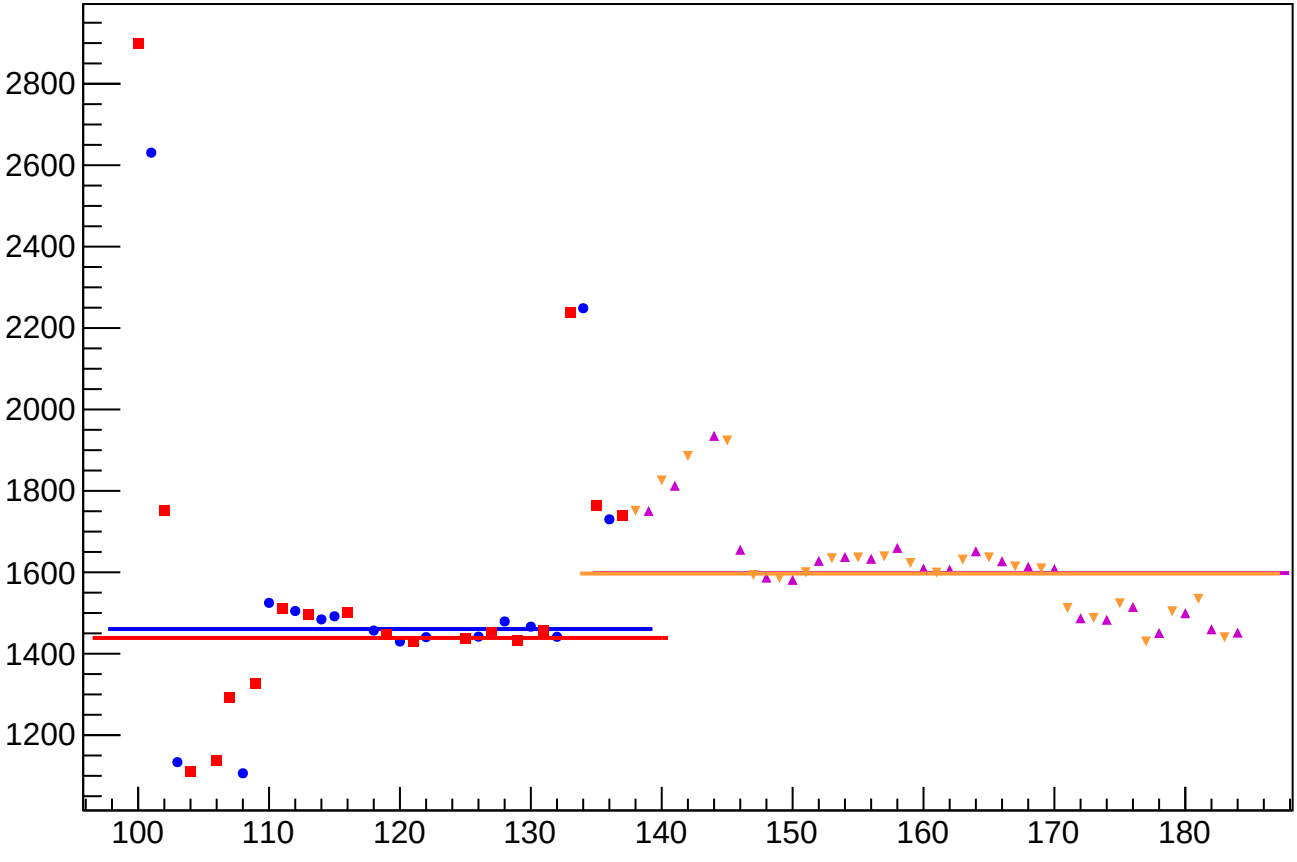
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 445.184+/-310.262 χ^2/NDF: 67.1/38

All: 525.356+/-218.912 χ^2/NDF: 97.0/79

- sign 604.835+/-308.919 χ^2/NDF: 29.8/40

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

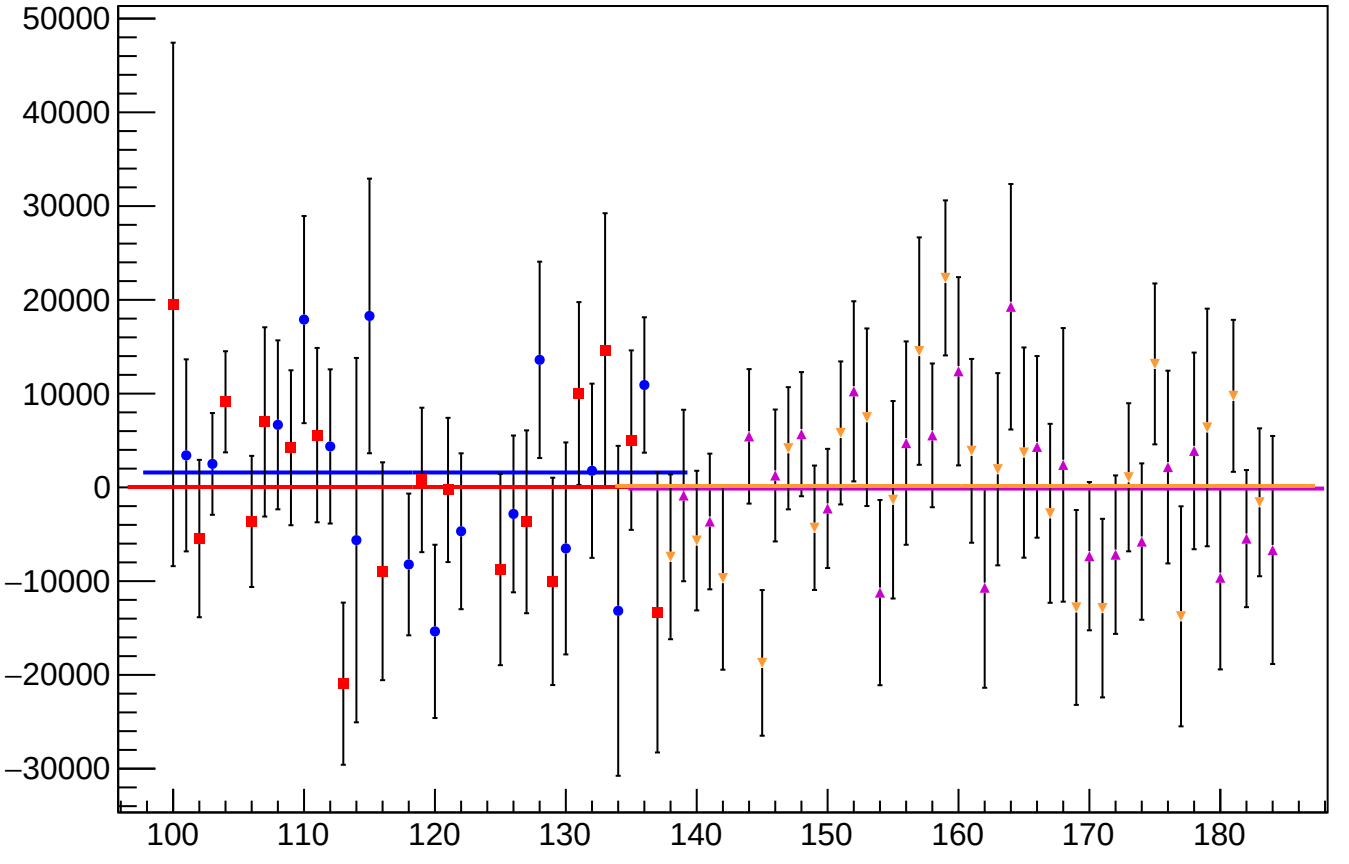
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1554.347+/-0.219 χ^2/NDF: 836701.9/38

All: 1550.800+/-0.155 χ^2/NDF: 1495533.9/79

- sign 1547.288+/-0.218 χ^2/NDF: 658311.7/40



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 149.509+/-1836.132 χ^2/NDF:28.1/22

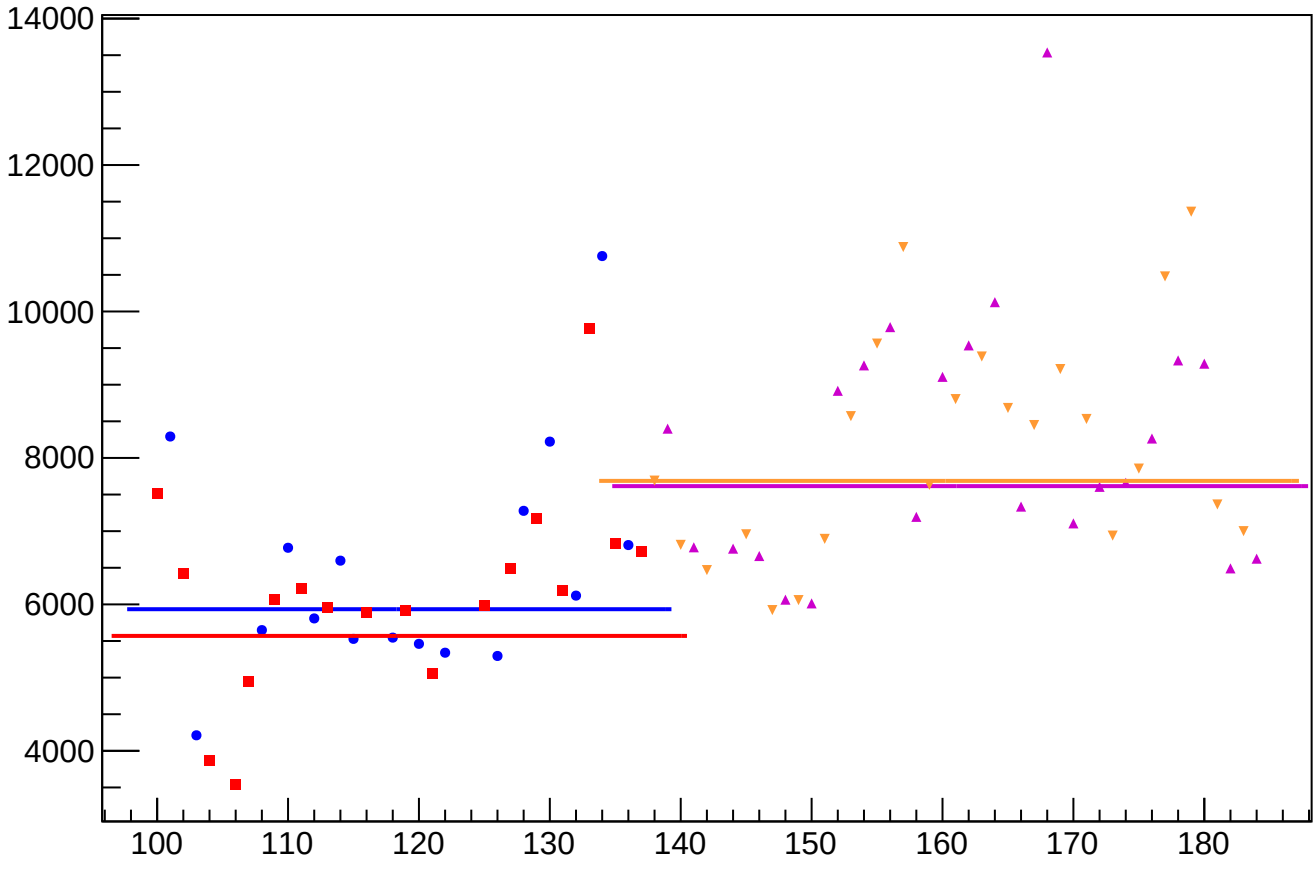
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 720.439+/-1426.150 χ^2/NDF: 42.5/38

All: 319.955+/-992.548 χ^2/NDF: 73.0/79

- sign -56.242+/-1382.231 χ^2/NDF: 30.3/40



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7686.659+/-1.298 χ^2/NDF:1071372.2/22

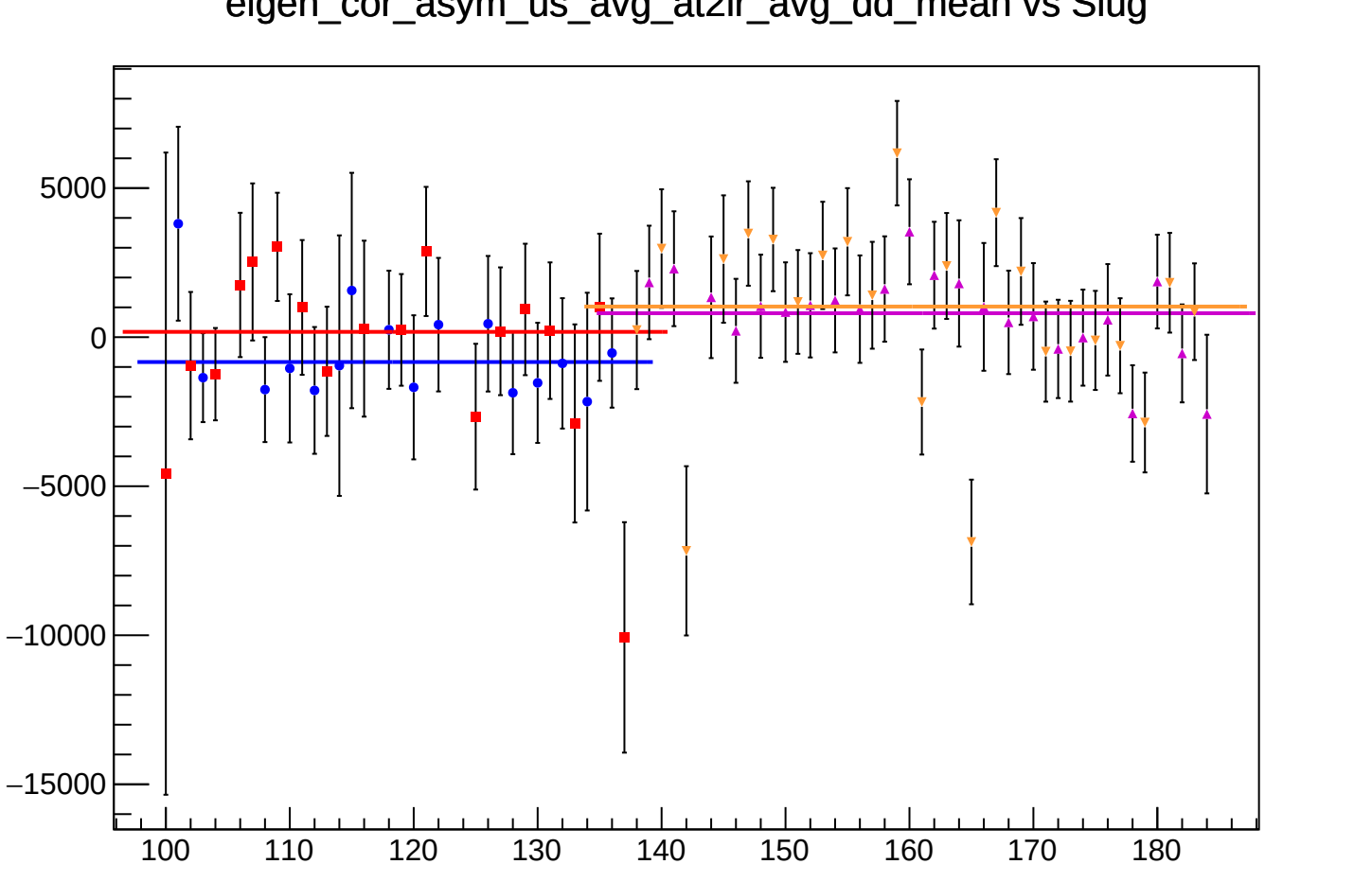
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 6991.437+/-1.008 χ^2/NDF: 2447210.7/38

All: 6870.080+/-0.702 χ^2/NDF: 5490617.3/79

- sign 6756.083+/-0.977 χ^2/NDF: 3015321.0/40



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

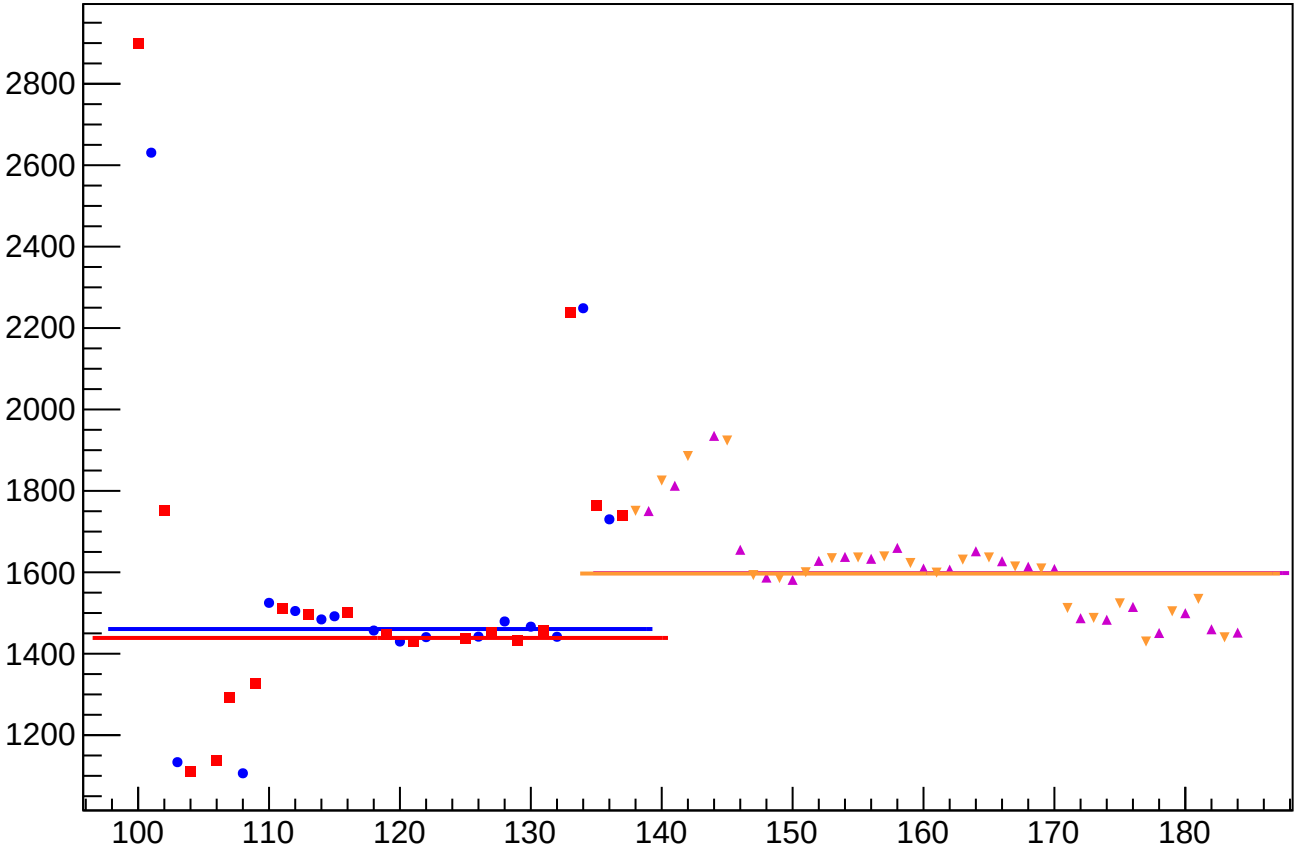
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 445.184+/-310.262 χ^2/NDF: 67.1/38

All: 525.356+/-218.912 χ^2/NDF: 97.0/79

\- sign 604.835+/-308.919 χ^2/NDF: 29.8/40

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

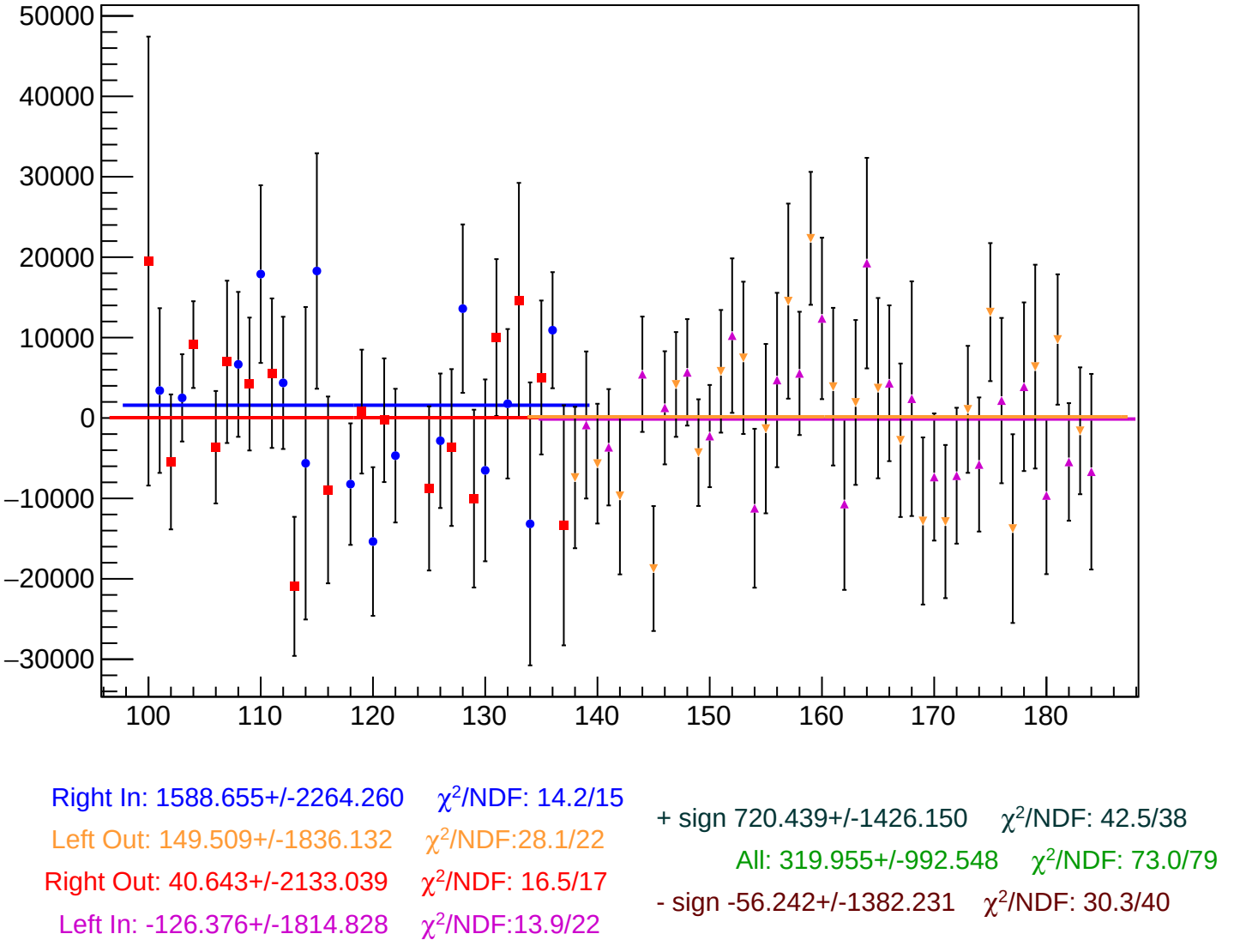
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

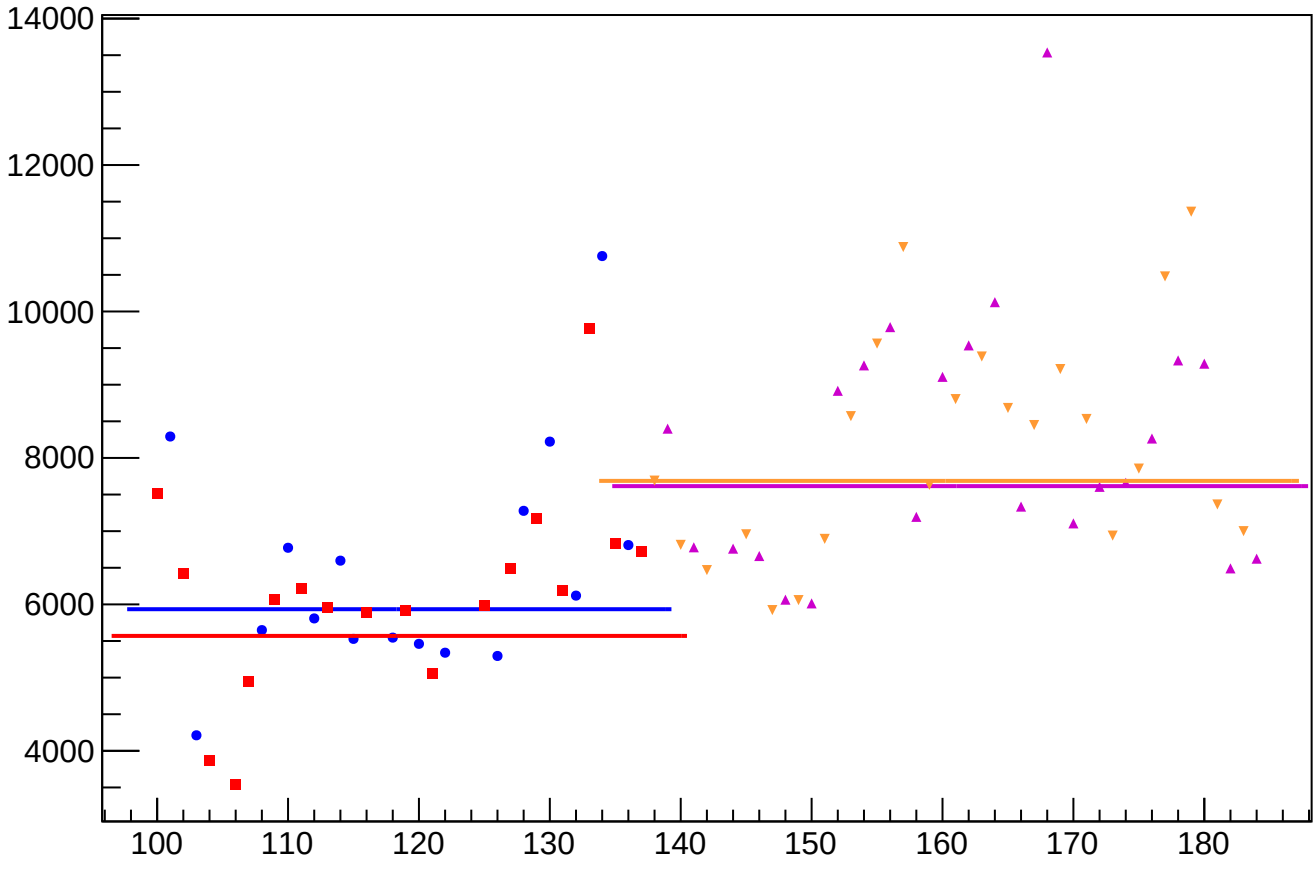
Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1554.347+/-0.219 χ^2/NDF: 836701.9/38

All: 1550.800+/-0.155 χ^2/NDF: 1495533.9/79

- sign 1547.288+/-0.218 χ^2/NDF: 658311.7/40


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: 149.509+/-1836.132 χ²/NDF:28.1/22
Right Out: 40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -126.376+/-1814.828 χ²/NDF:13.9/22
+ sign 720.439+/-1426.150 χ²/NDF: 42.5/38
All: 319.955+/-992.548 χ²/NDF: 73.0/79
- sign -56.242+/-1382.231 χ²/NDF: 30.3/40



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

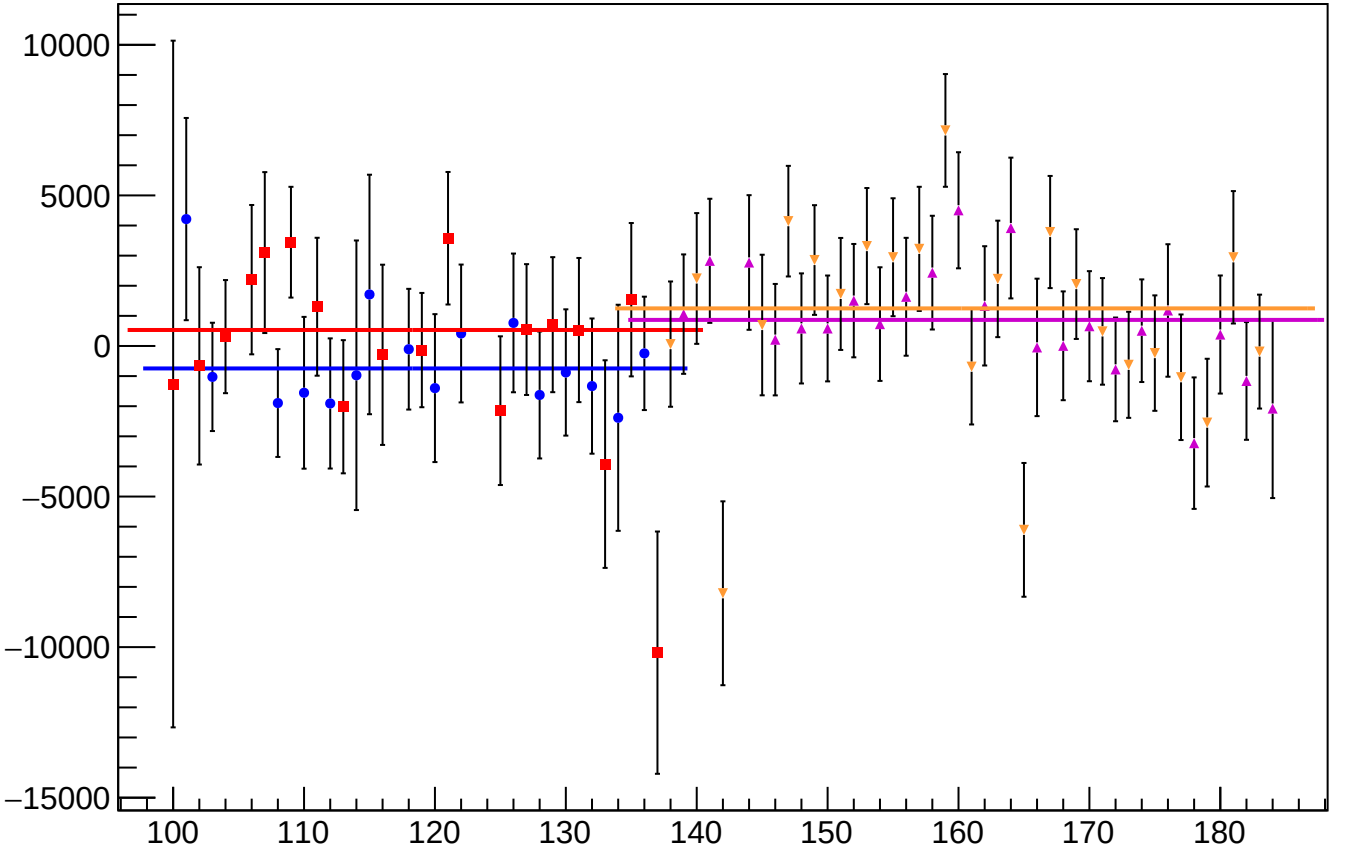
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 6991.437+/-1.008 χ^2/NDF: 2447210.7/38

All: 6870.080+/-0.702 χ^2/NDF: 5490617.3/79

- sign 6756.083+/-0.977 χ^2/NDF: 3015321.0/40

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



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

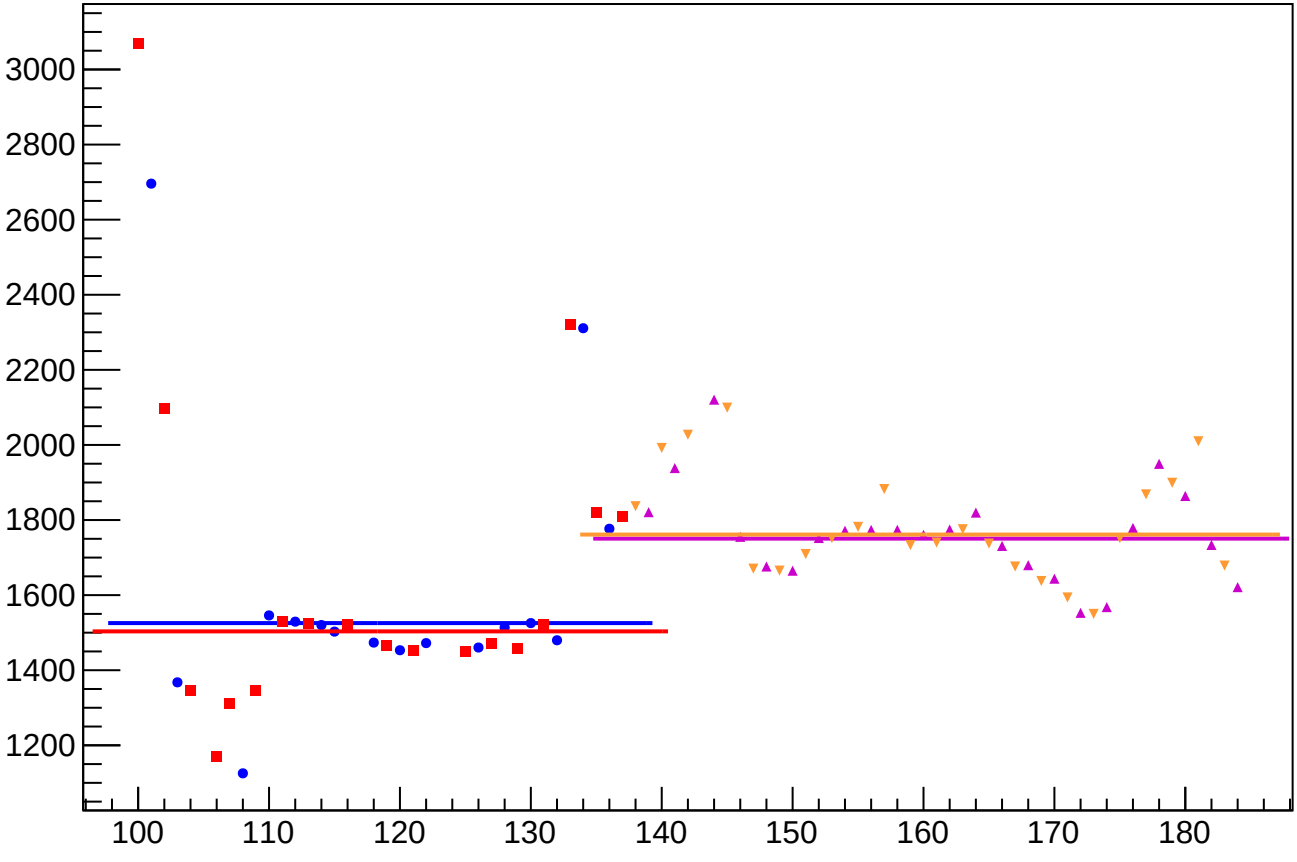
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 574.018+/-336.179 χ^2/NDF: 60.7/38

All: 664.233+/-236.894 χ^2/NDF: 93.9/79

\- sign 753.214+/-333.870 χ^2/NDF: 33.1/40

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

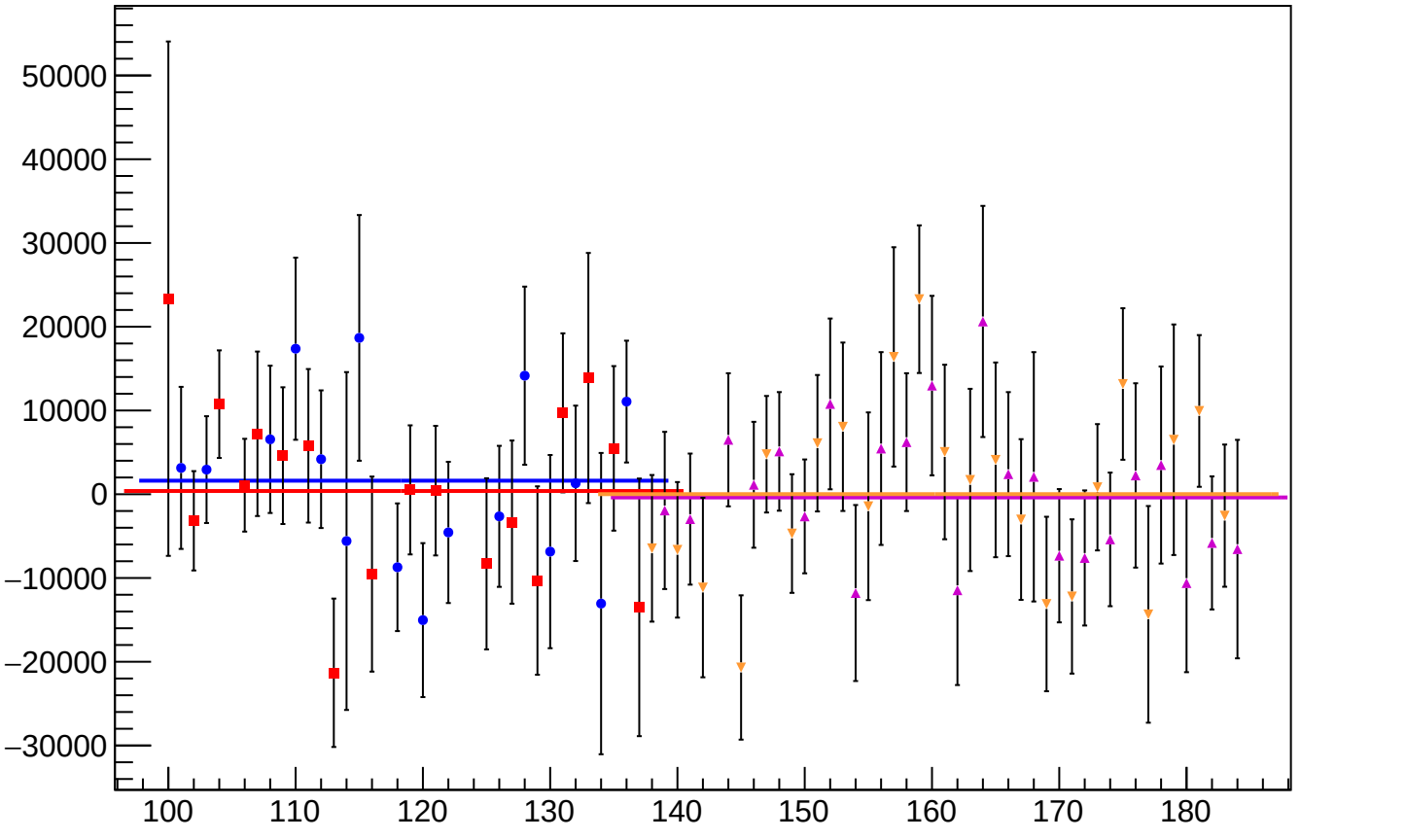
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1681.584+/-0.238 χ^2/NDF: 914313.1/38

All: 1674.336+/-0.168 χ^2/NDF: 1671314.9/79

- sign 1667.188+/-0.236 χ^2/NDF: 755155.4/40



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

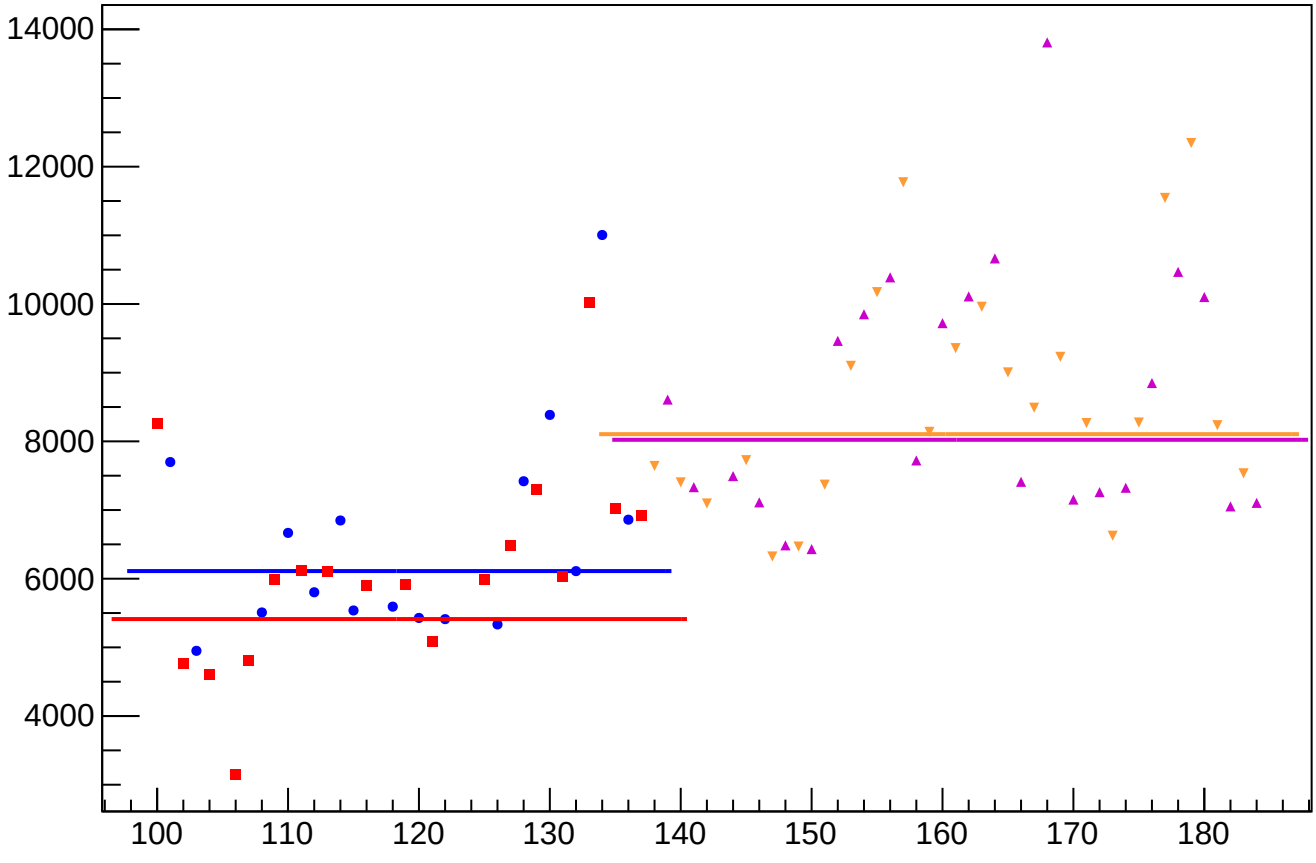
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 671.748+/-1486.489 χ^2/NDF: 42.0/38

All: 301.885+/-1019.855 χ^2/NDF: 71.8/79

- sign -27.042+/-1401.817 χ^2/NDF: 29.7/40

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8104.791+/-1.369 χ^2/NDF:1085727.5/22

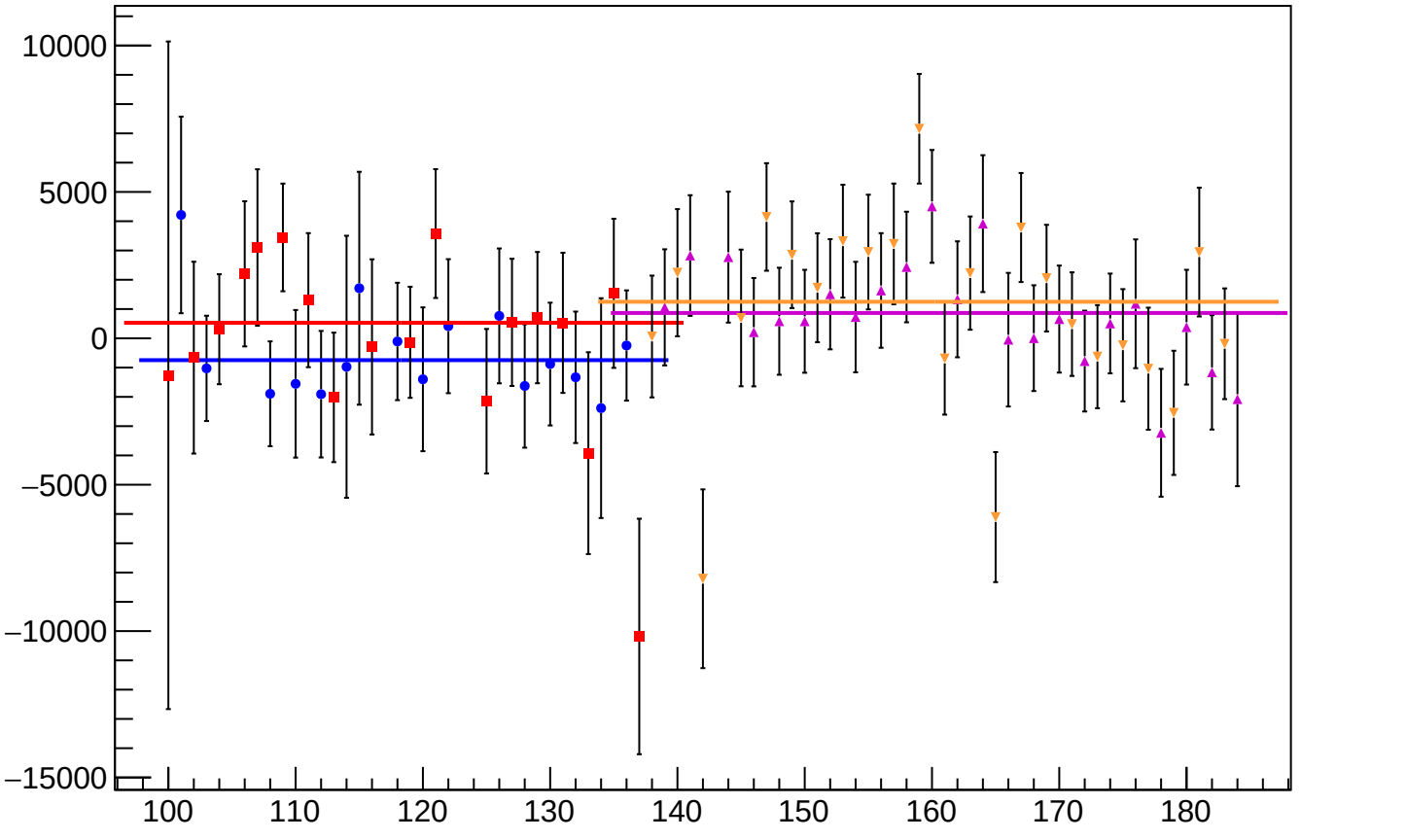
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7286.312+/-1.051 χ^2/NDF: 2428058.4/38

All: 7036.808+/-0.721 χ^2/NDF: 6305811.9/79

- sign 6814.919+/-0.991 χ^2/NDF: 3771298.1/40



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

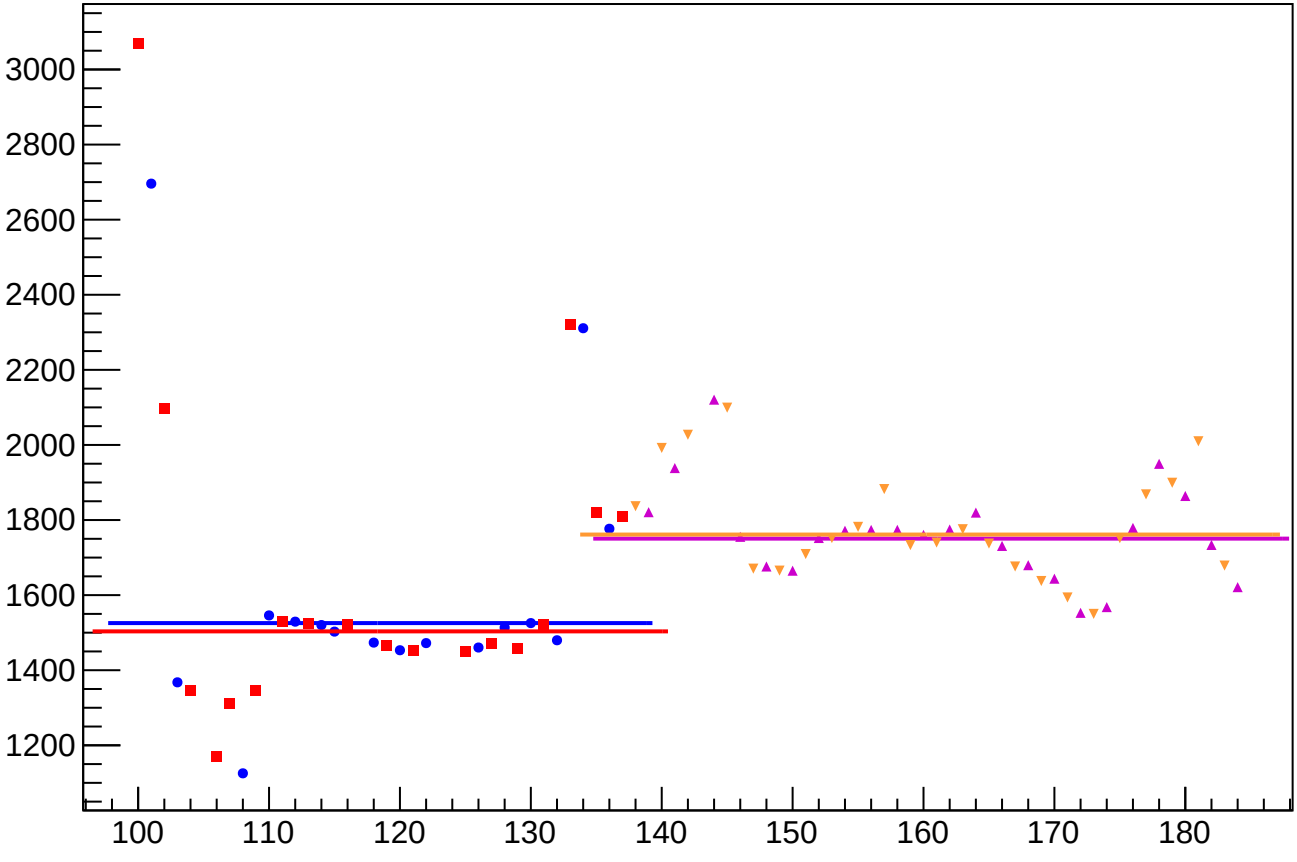
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 574.019+/-336.179 χ^2/NDF: 60.7/38

All: 664.235+/-236.894 χ^2/NDF: 93.9/79

- sign 753.216+/-333.870 χ^2/NDF: 33.1/40

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

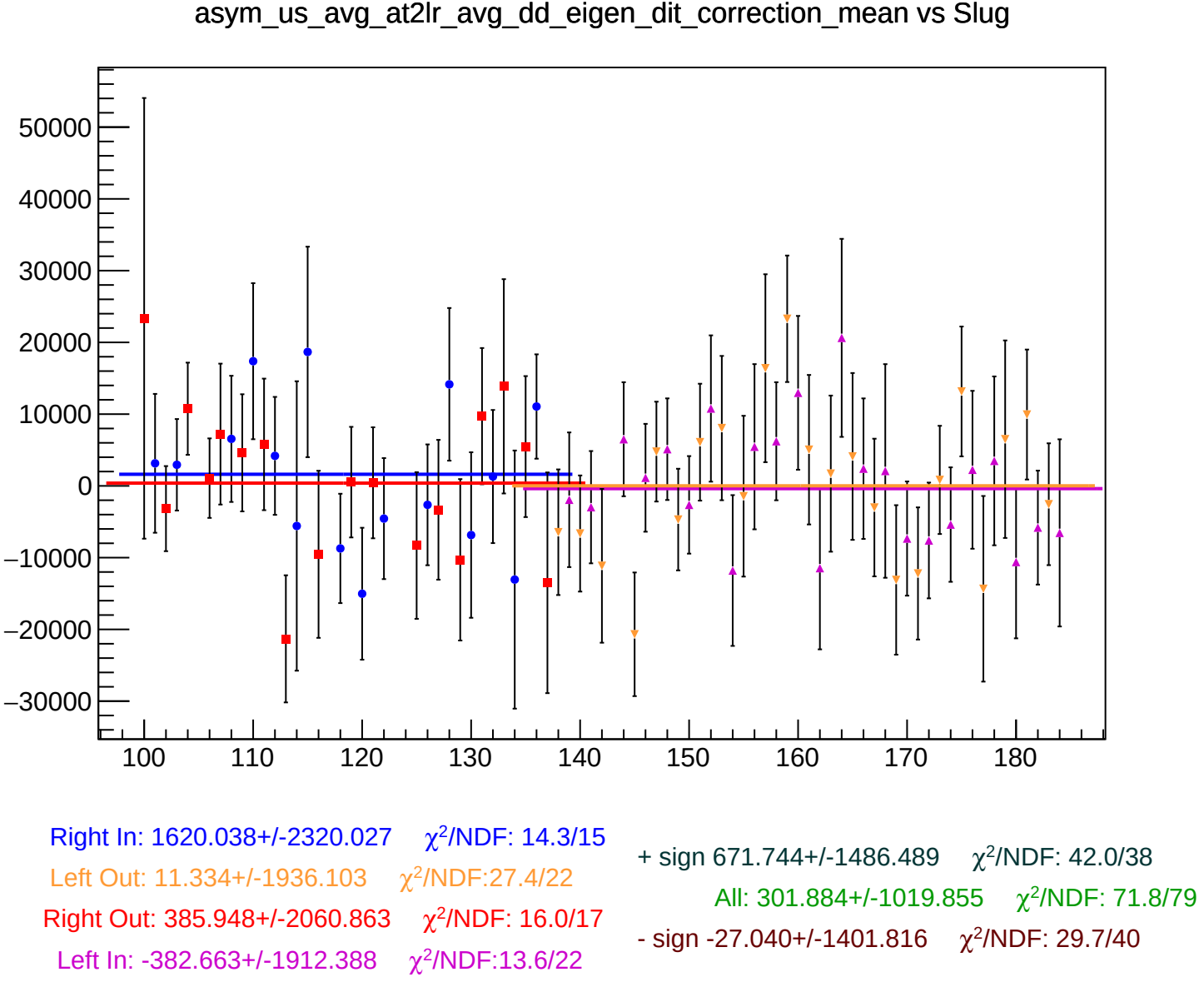
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

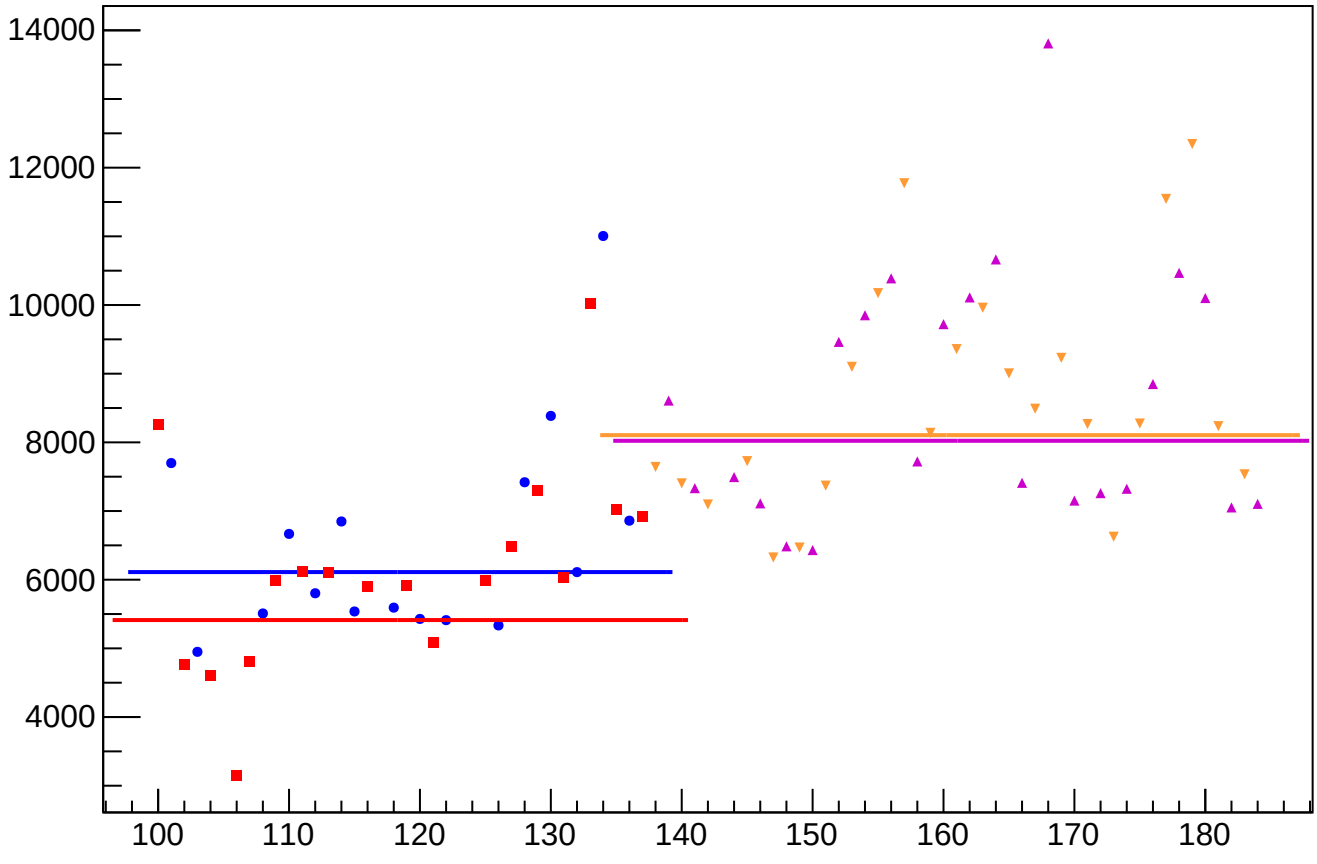
Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1681.586+/-0.238 χ^2/NDF: 914326.0/38

All: 1674.338+/-0.168 χ^2/NDF: 1671341.0/79

- sign 1667.190+/-0.236 χ^2/NDF: 755168.6/40


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: -382.663+/-1912.388 χ²/NDF:13.6/22
+ sign 671.744+/-1486.489 χ²/NDF: 42.0/38
All: 301.884+/-1019.855 χ²/NDF: 71.8/79
- sign -27.040+/-1401.816 χ²/NDF: 29.7/40



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

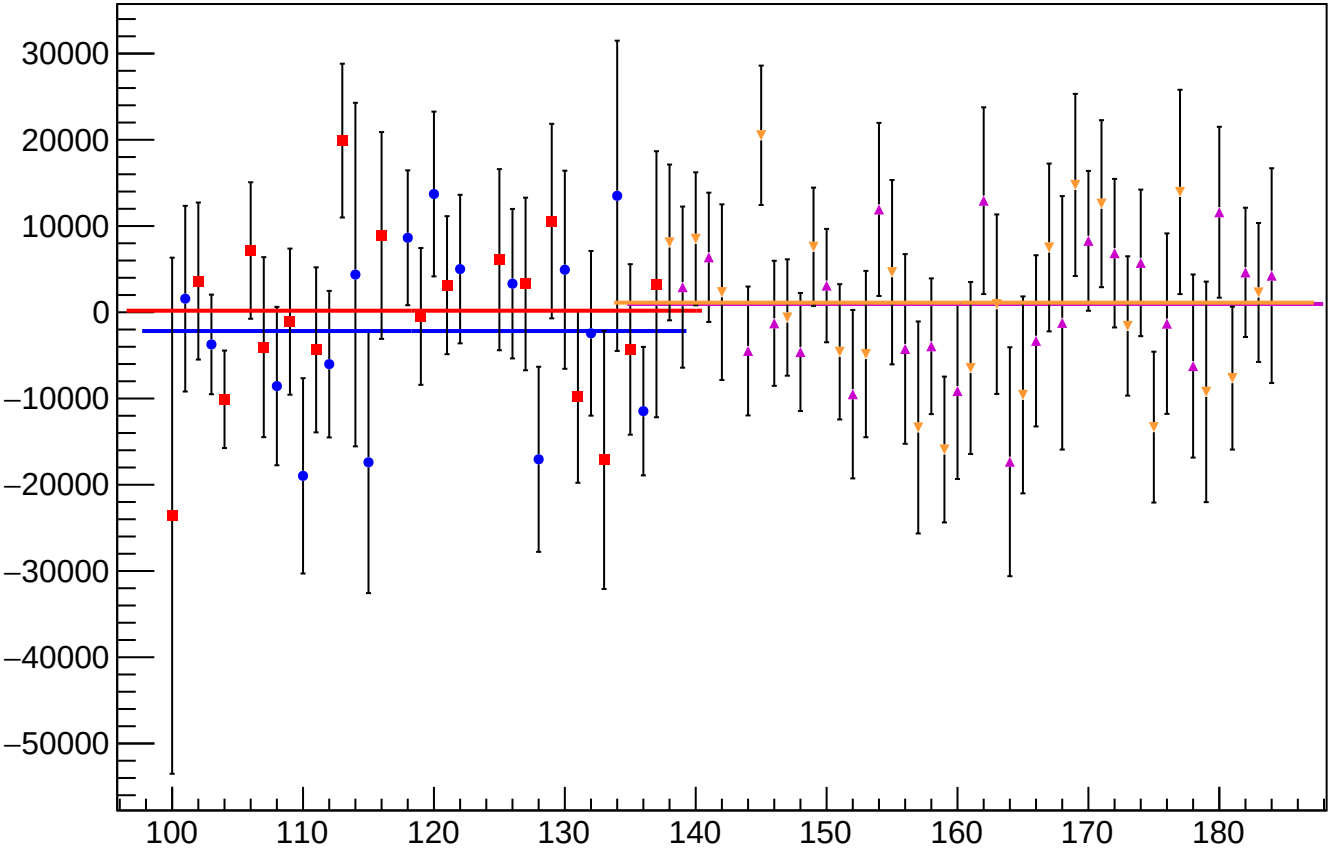
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7286.310+/-1.051 χ^2/NDF: 2428086.8/38

All: 7036.805+/-0.721 χ^2/NDF: 6305877.4/79

- sign 6814.915+/-0.991 χ^2/NDF: 3771334.4/40

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

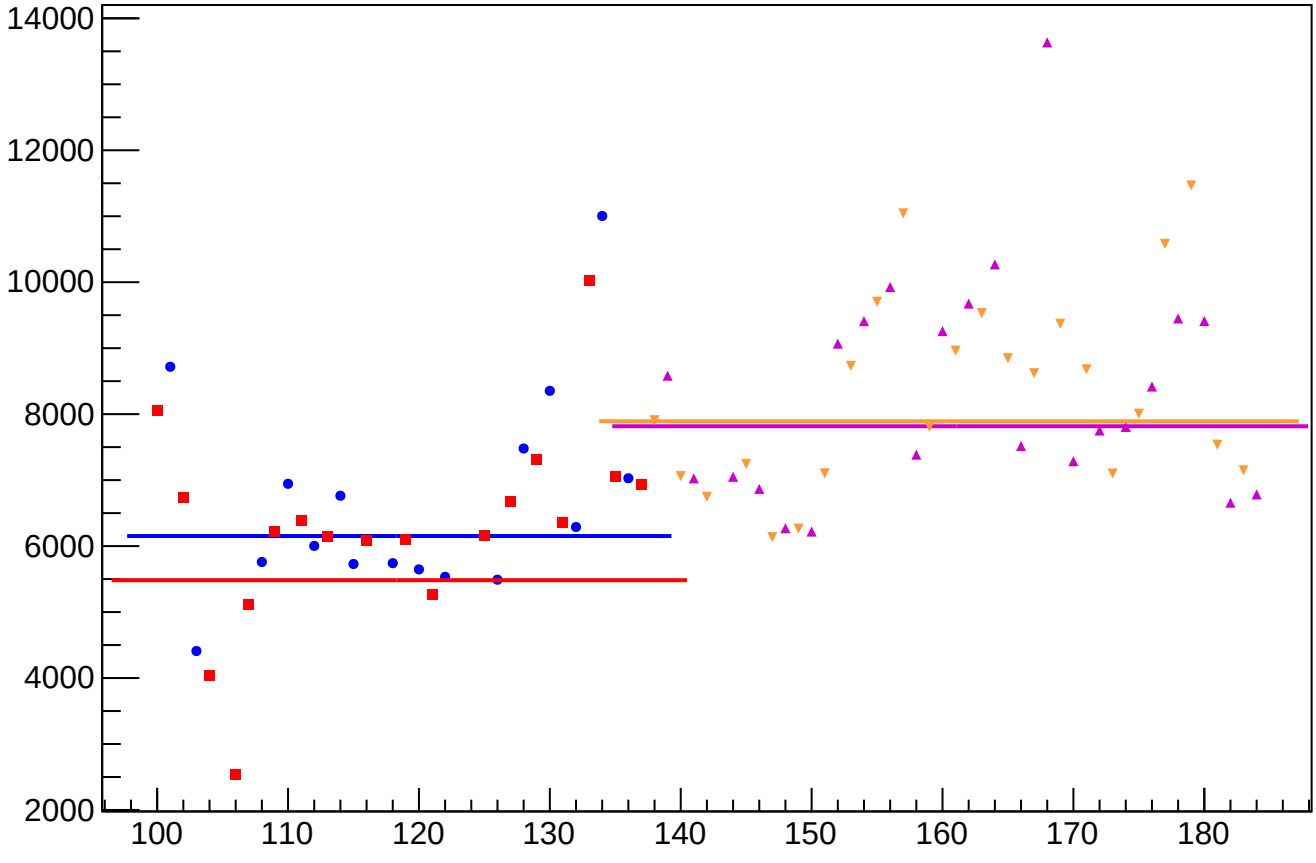
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

\+ sign -169.852+/-1468.376 χ^2/NDF: 41.3/38

All: 248.208+/-1023.740 χ^2/NDF: 68.9/79

\- sign 643.615+/-1428.039 χ^2/NDF: 27.5/40

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7892.328+/-1.331 χ^2/NDF:983971.6/22

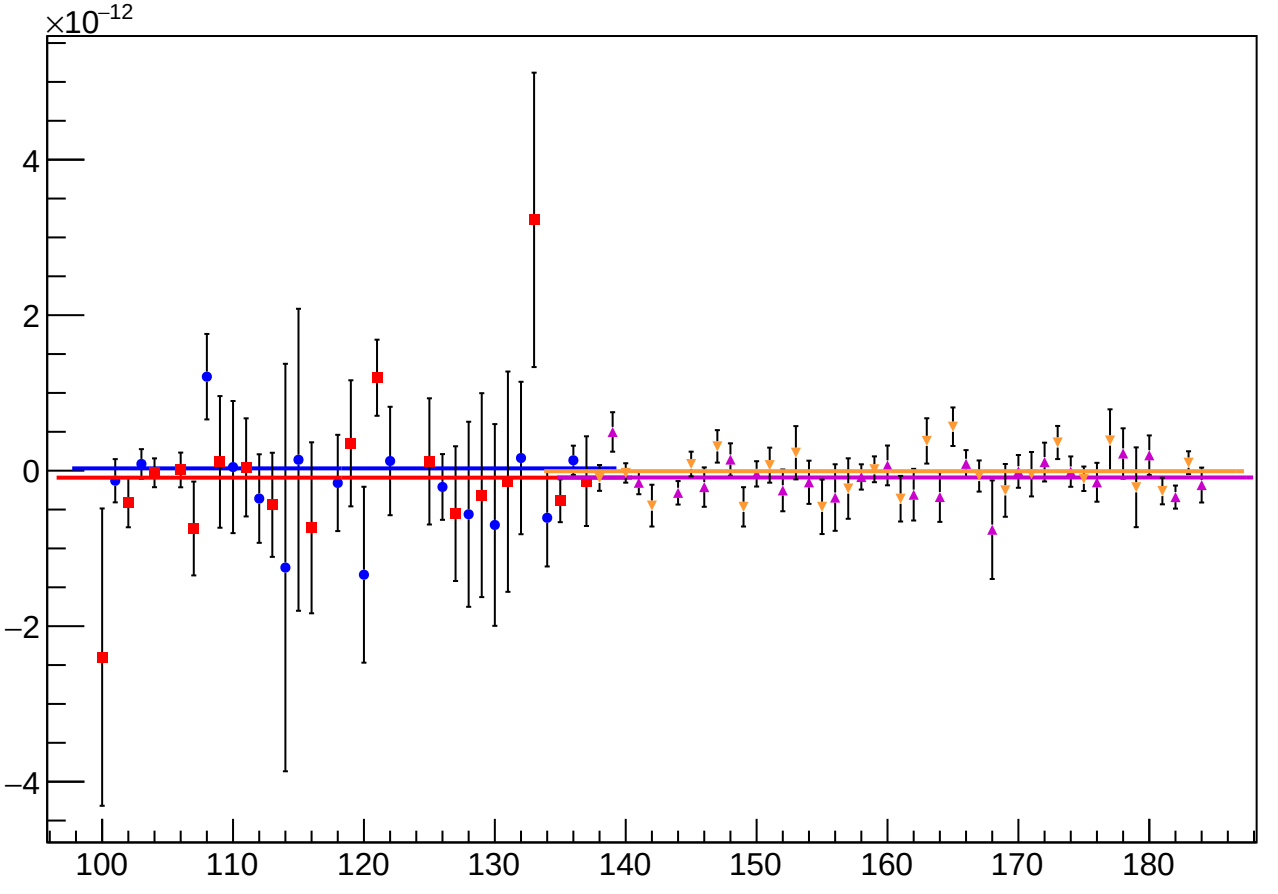
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7211.770+/-1.038 χ^2/NDF: 2276574.7/38

All: 7005.955+/-0.718 χ^2/NDF: 5980894.3/79

- sign 6817.172+/-0.994 χ^2/NDF: 3628985.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.1/22

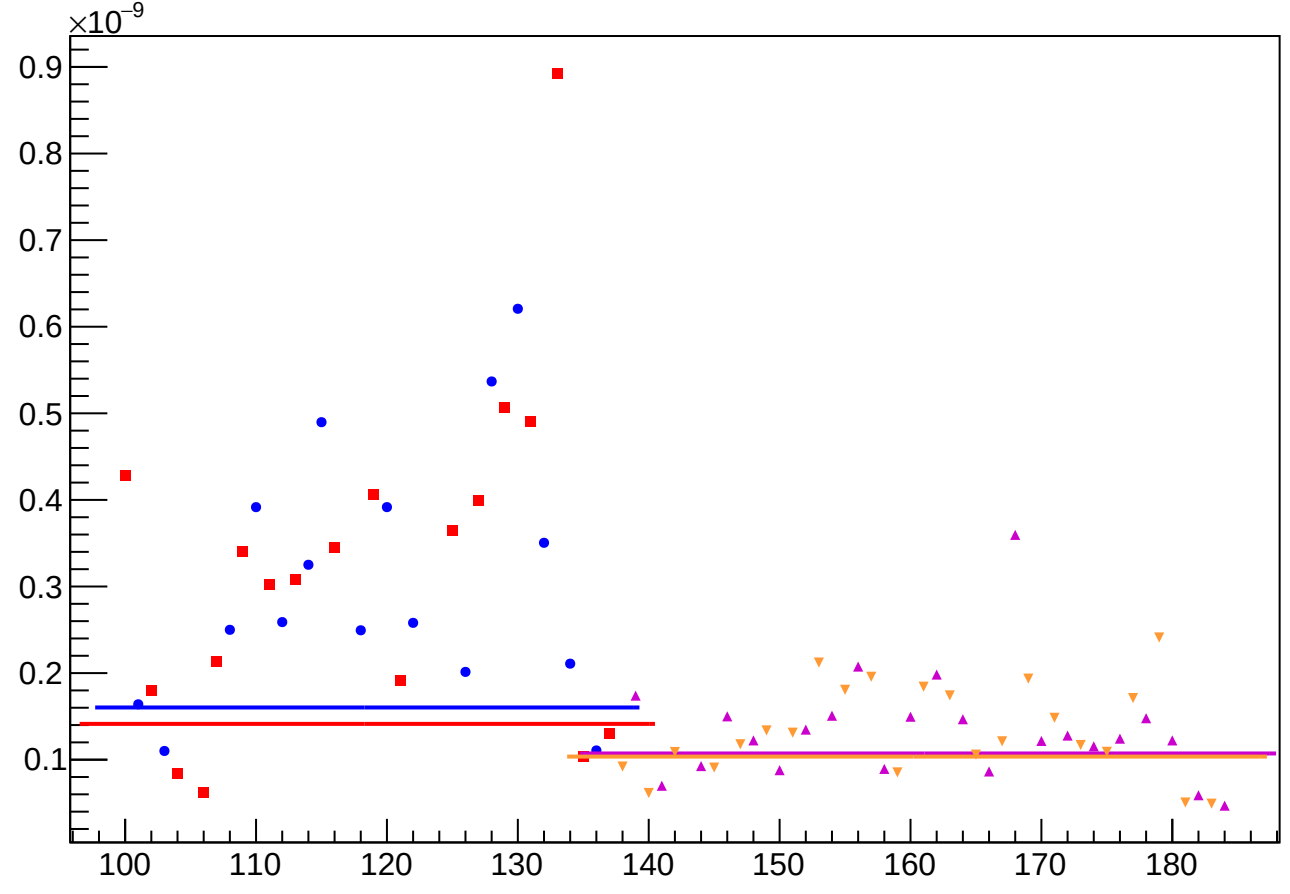
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.8/38

All: -0.000+/-0.000 χ^2/NDF: 75.8/79

- sign -0.000+/-0.000 χ^2/NDF: 35.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1903004.4/22

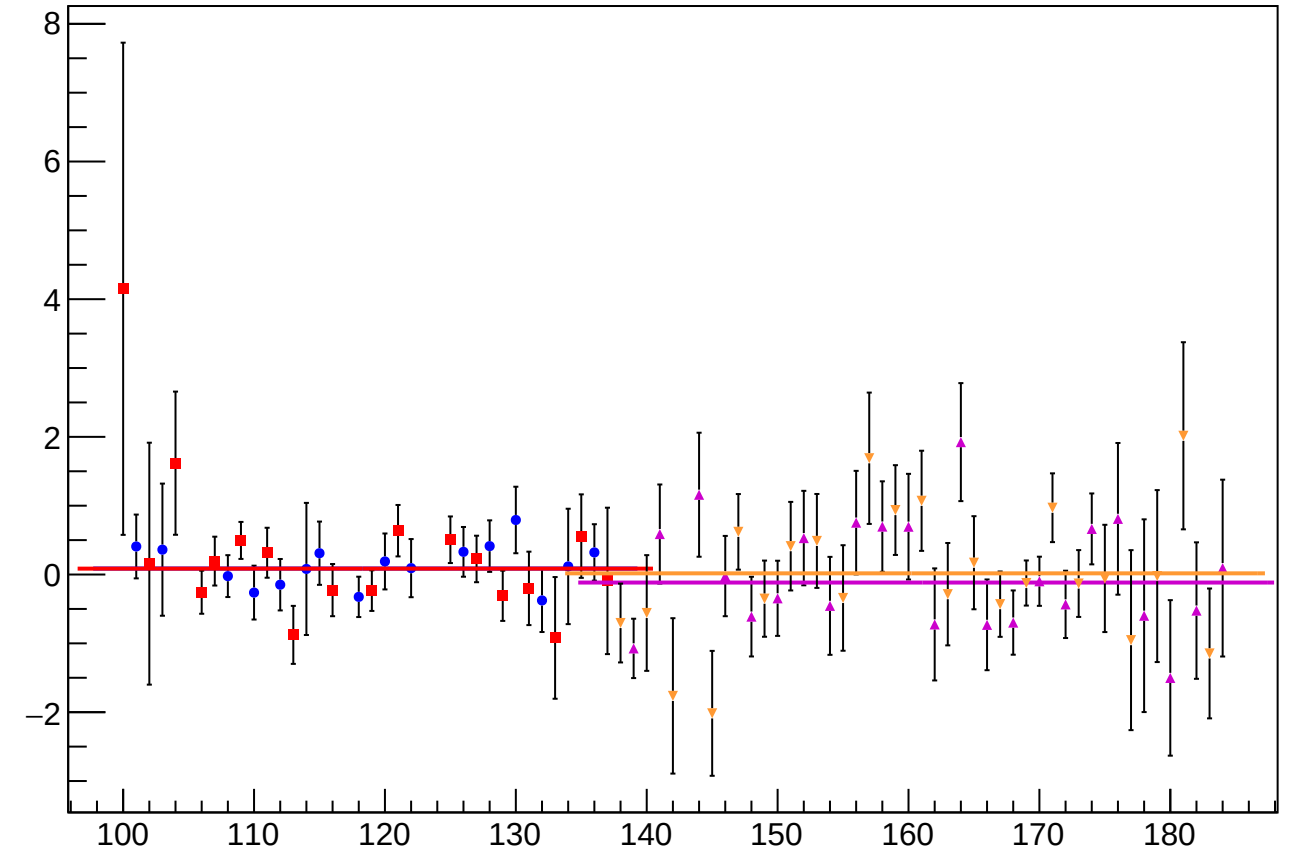
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3738365.0/38

All: 0.000+/-0.000 χ^2/NDF: 7686316.3/79

- sign 0.000+/-0.000 χ^2/NDF: 3947863.5/40



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.017+/-0.135 χ^2/NDF:28.7/22

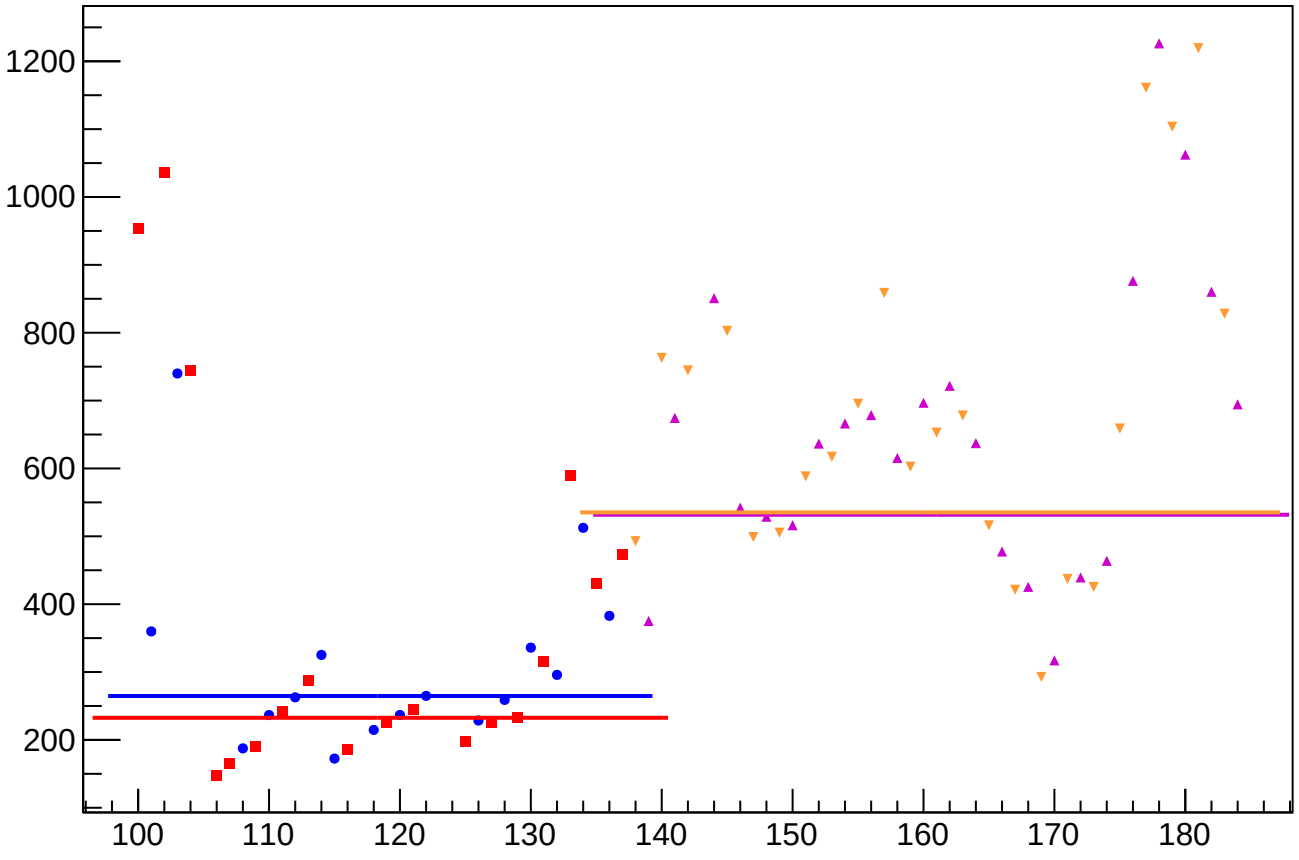
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

\+ sign 0.061+/-0.083 χ^2/NDF: 37.7/38

All: 0.036+/-0.057 χ^2/NDF: 89.0/79

\- sign 0.015+/-0.078 χ^2/NDF: 51.1/40



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 535.286+/-0.095 χ^2/NDF:3936065.6/22

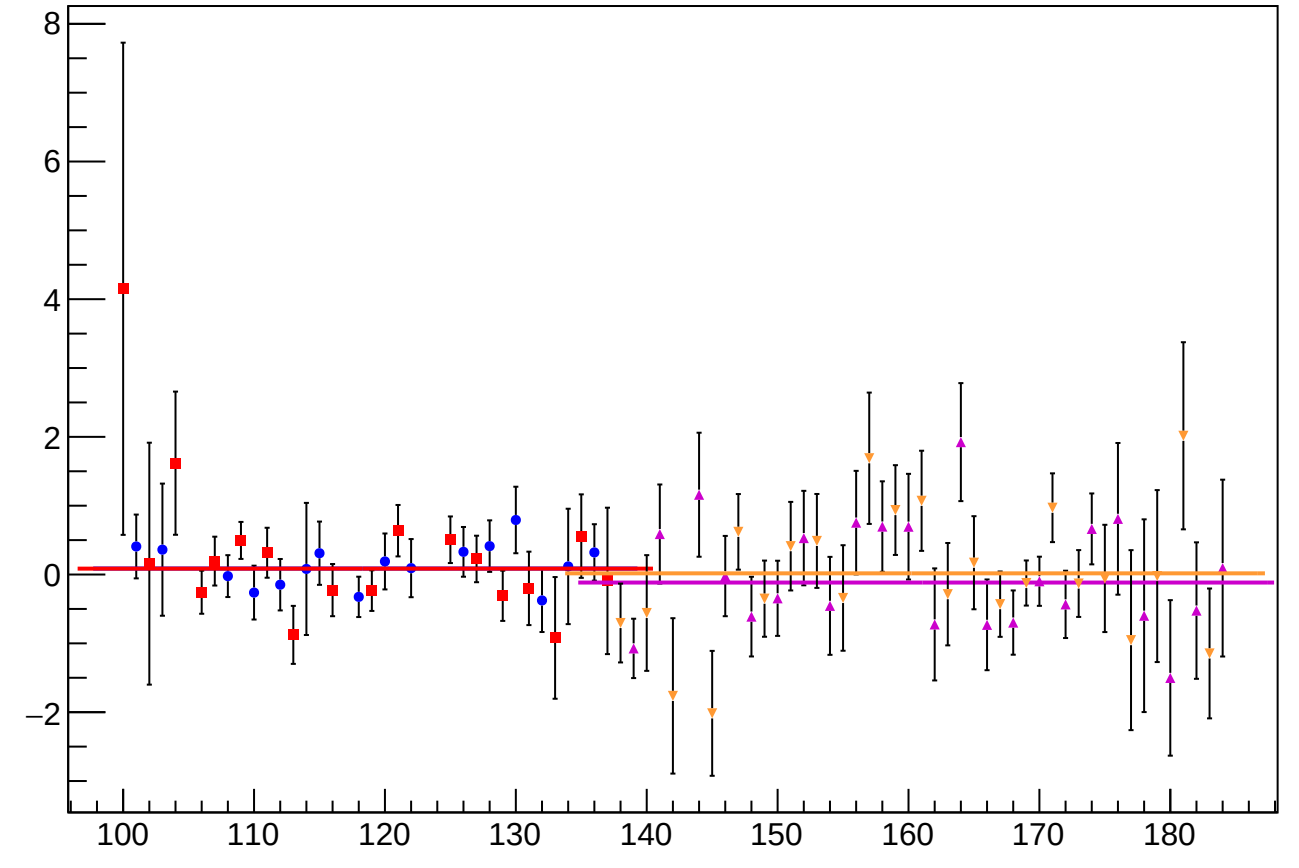
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 367.127+/-0.059 χ^2/NDF: 10242551.8/38

All: 351.505+/-0.040 χ^2/NDF: 22416213.5/79

- sign 337.497+/-0.055 χ^2/NDF: 12038732.8/40



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.017+/-0.135 χ^2/NDF:28.7/22

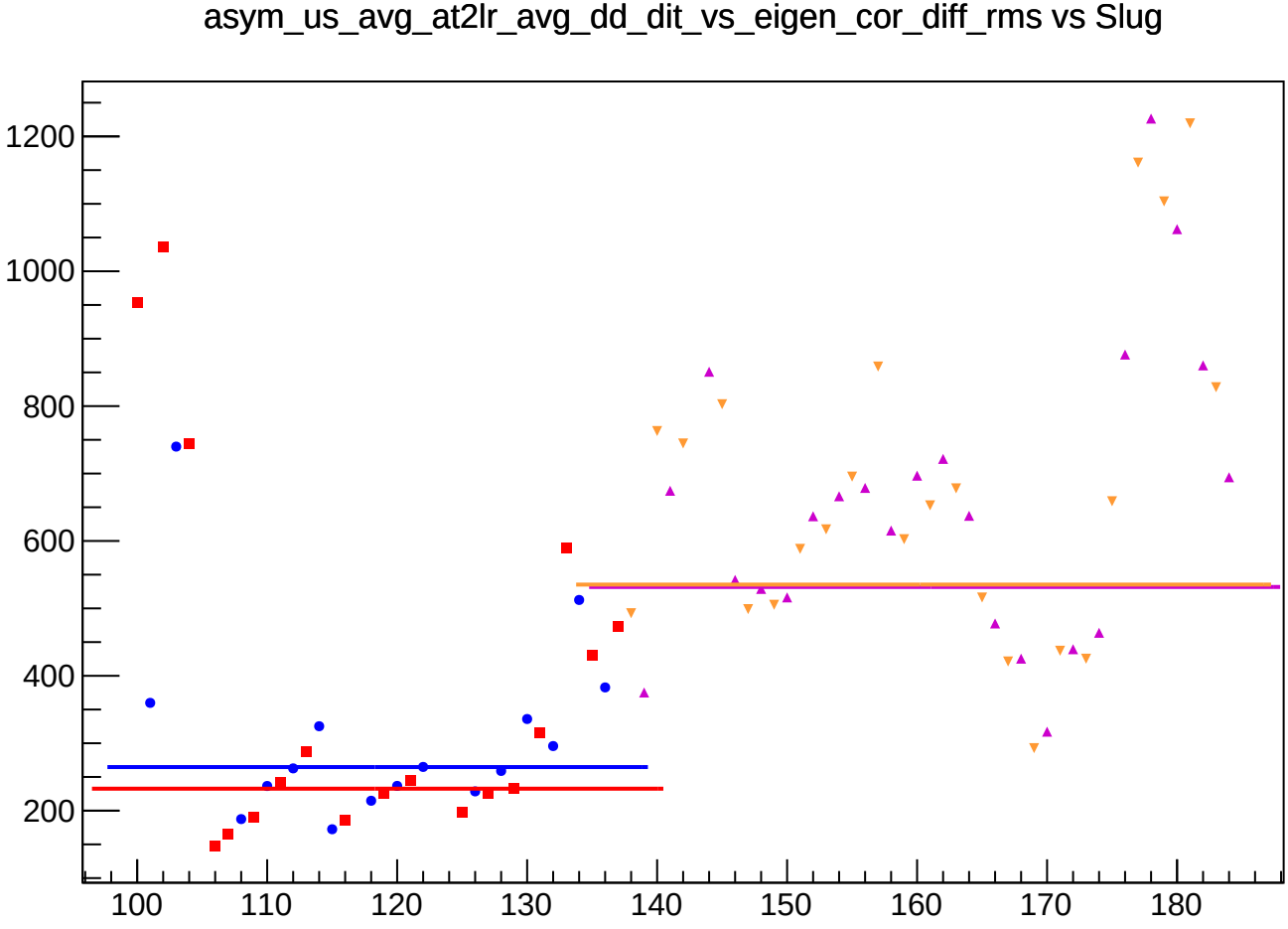
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

\+ sign 0.061+/-0.083 χ^2/NDF: 37.7/38

All: 0.036+/-0.057 χ^2/NDF: 89.0/79

\- sign 0.015+/-0.078 χ^2/NDF: 51.1/40


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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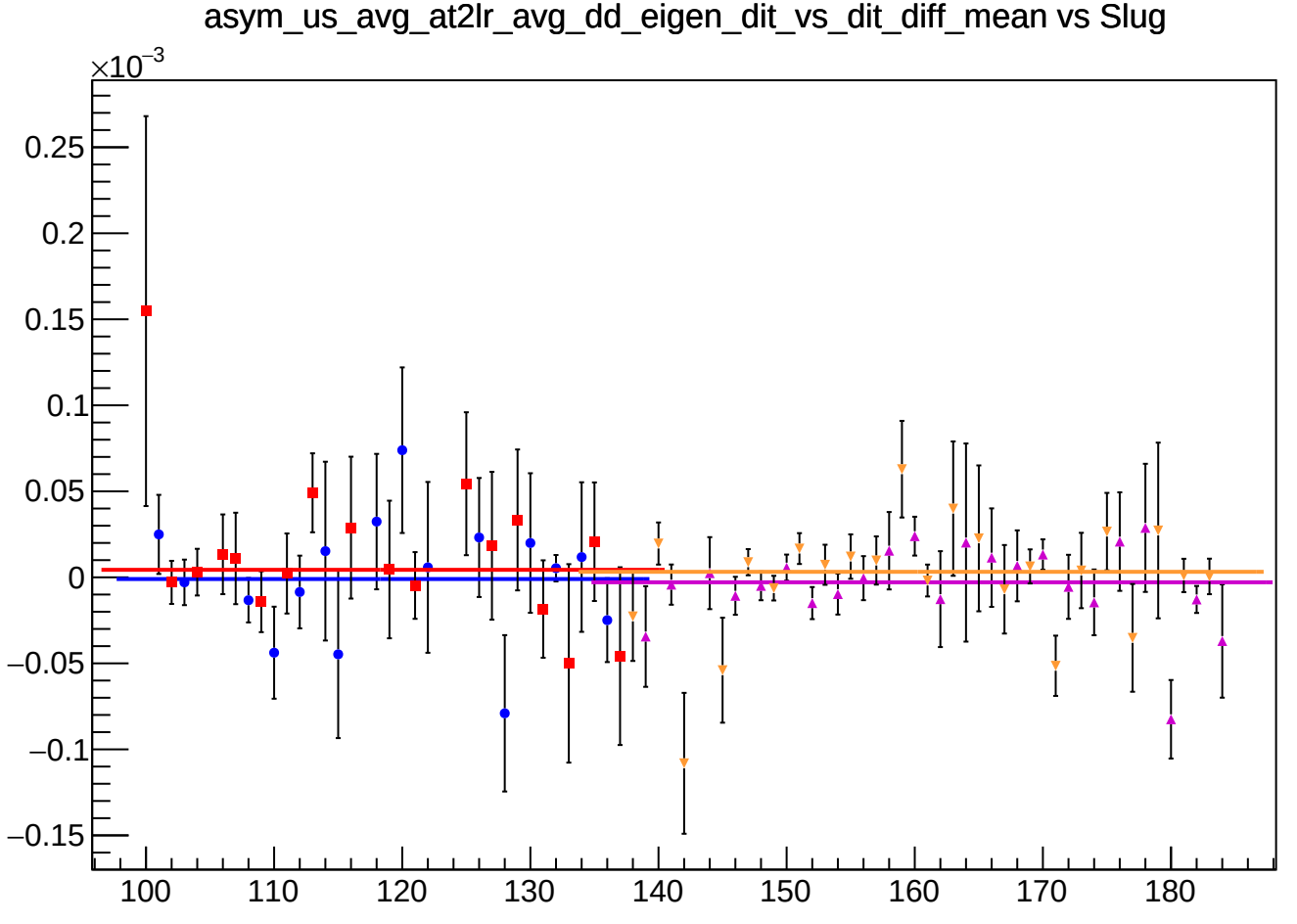
400
200
100
110
120
130
140
150
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 535.286+/-0.095 χ²/NDF:3936065.6/22
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 367.127+/-0.059 χ²/NDF: 10242551.8/38
All: 351.505+/-0.040 χ²/NDF: 22416213.5/79
- sign 337.497+/-0.055 χ²/NDF: 12038732.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.9/22

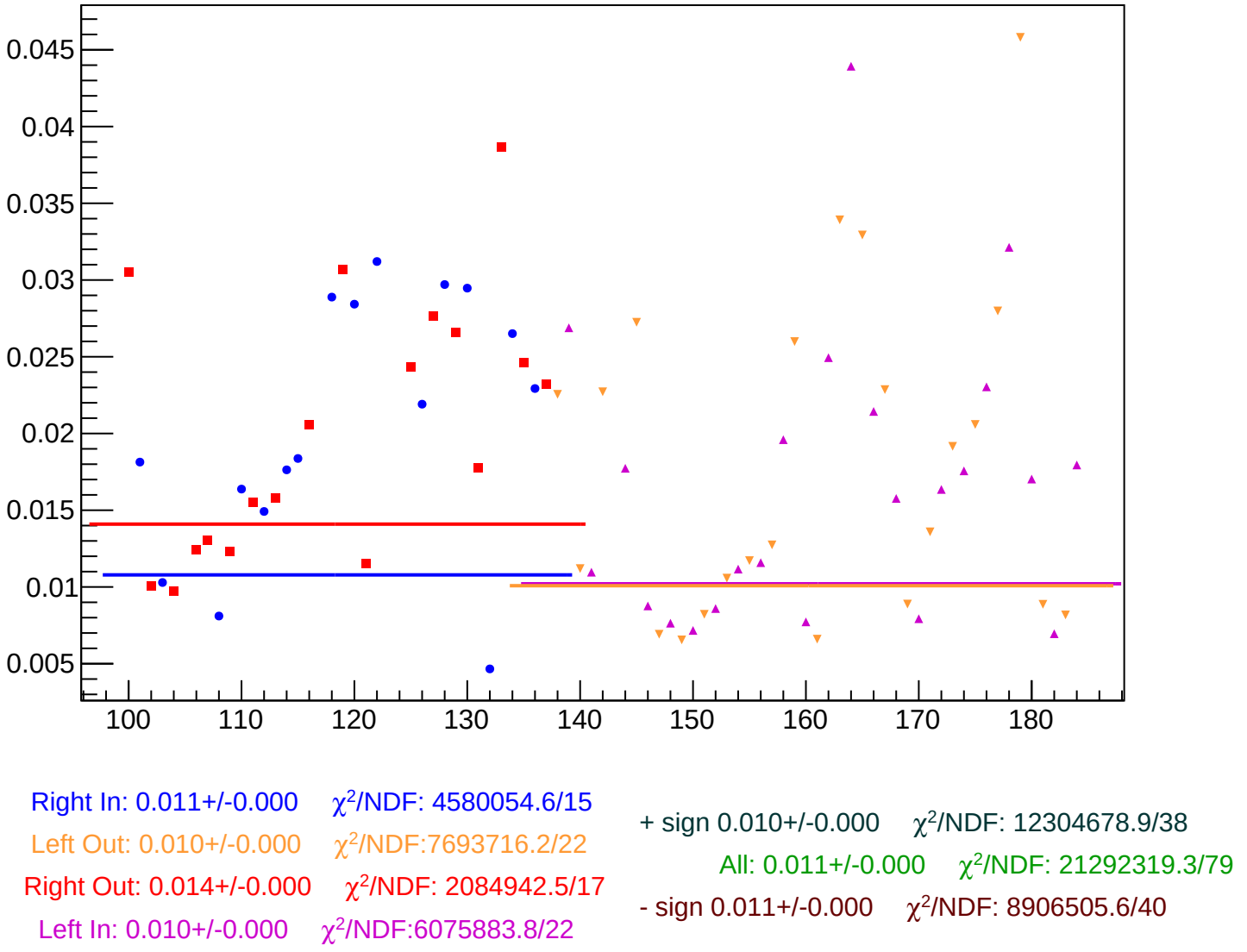
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

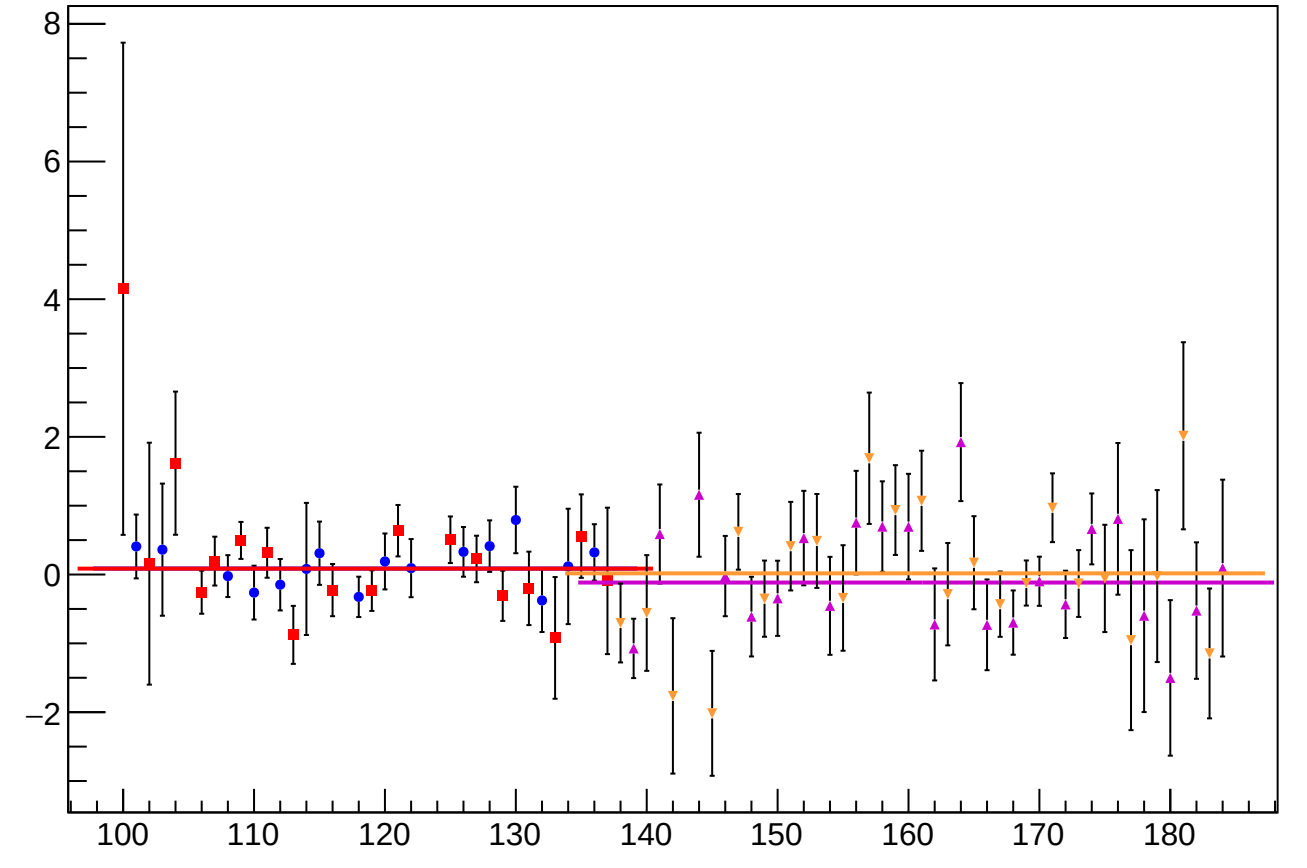
Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/38

All: 0.000+/-0.000 χ^2/NDF: 100.0/79

- sign -0.000+/-0.000 χ^2/NDF: 46.1/40


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:6075883.8/22
+ sign 0.010+/-0.000 χ²/NDF: 12304678.9/38
All: 0.011+/-0.000 χ²/NDF: 21292319.3/79
- sign 0.011+/-0.000 χ²/NDF: 8906505.6/40



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.017+/-0.135 χ^2/NDF:28.7/22

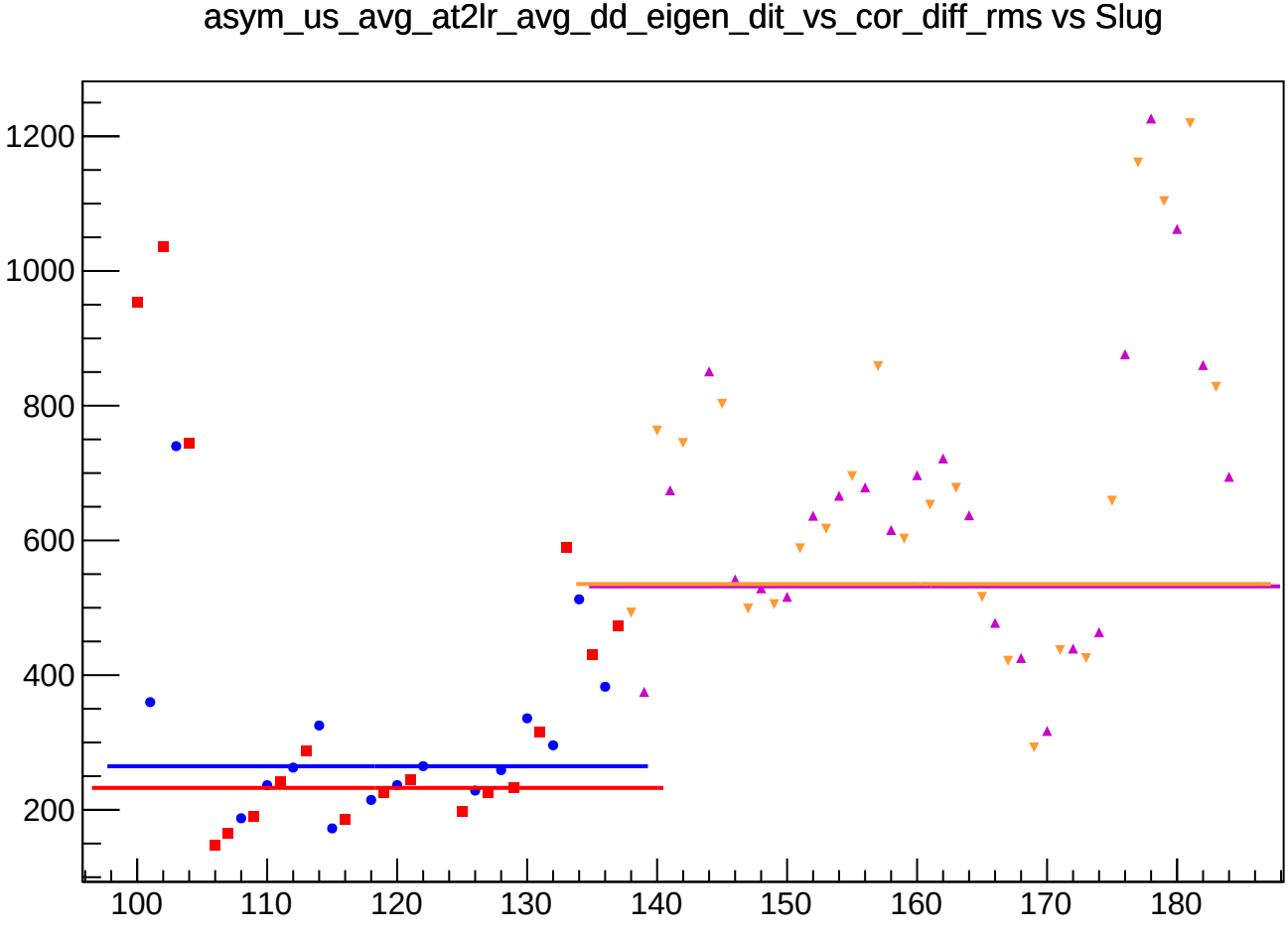
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

\+ sign 0.061+/-0.083 χ^2/NDF: 37.7/38

All: 0.036+/-0.057 χ^2/NDF: 89.0/79

\- sign 0.015+/-0.078 χ^2/NDF: 51.1/40



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 535.287+/-0.095 χ^2/NDF:3936242.0/22

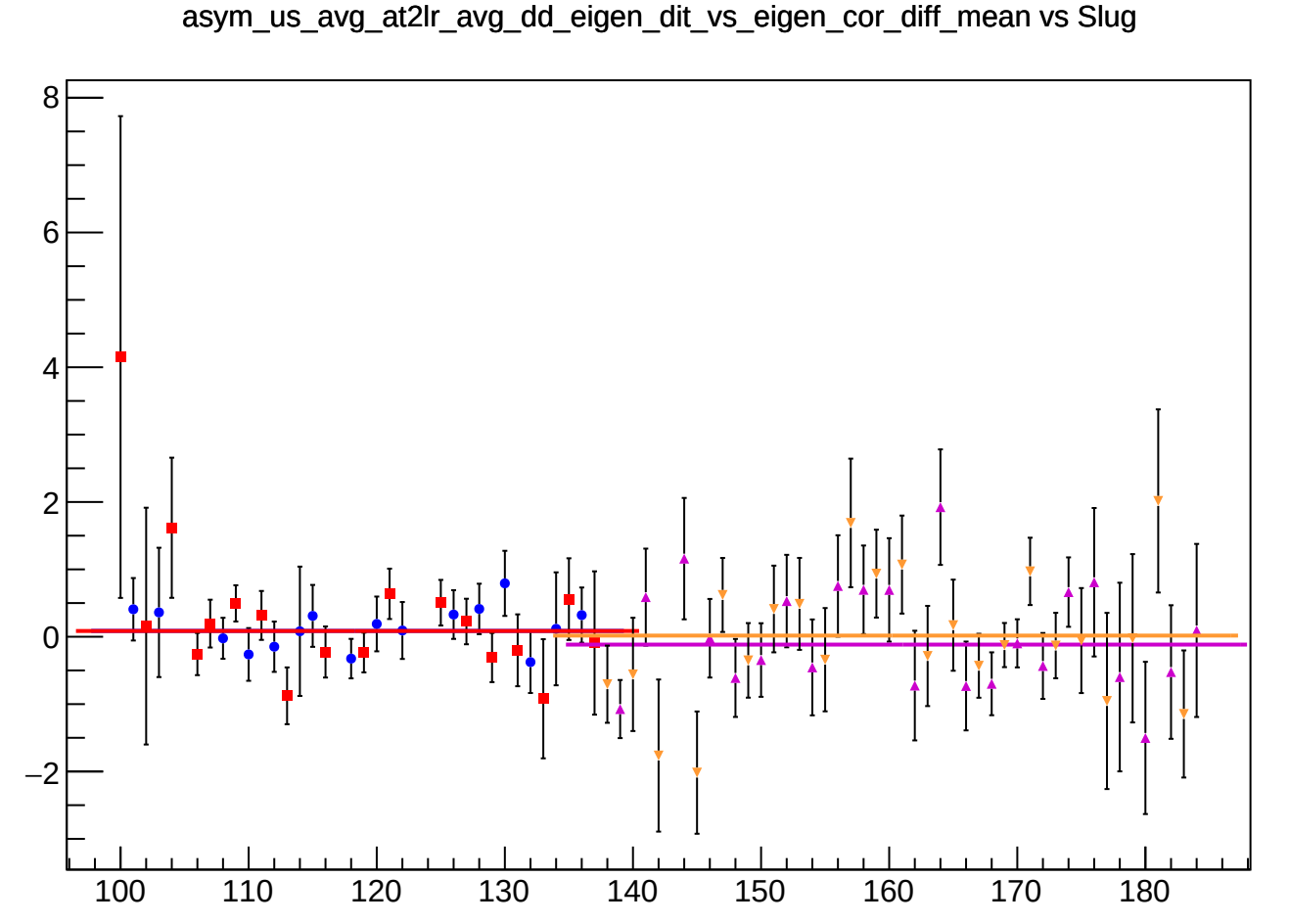
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 367.126+/-0.059 χ^2/NDF: 10242704.8/38

All: 351.505+/-0.040 χ^2/NDF: 22416469.9/79

- sign 337.497+/-0.055 χ^2/NDF: 12038849.8/40



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.017+/-0.135 χ^2/NDF:28.7/22

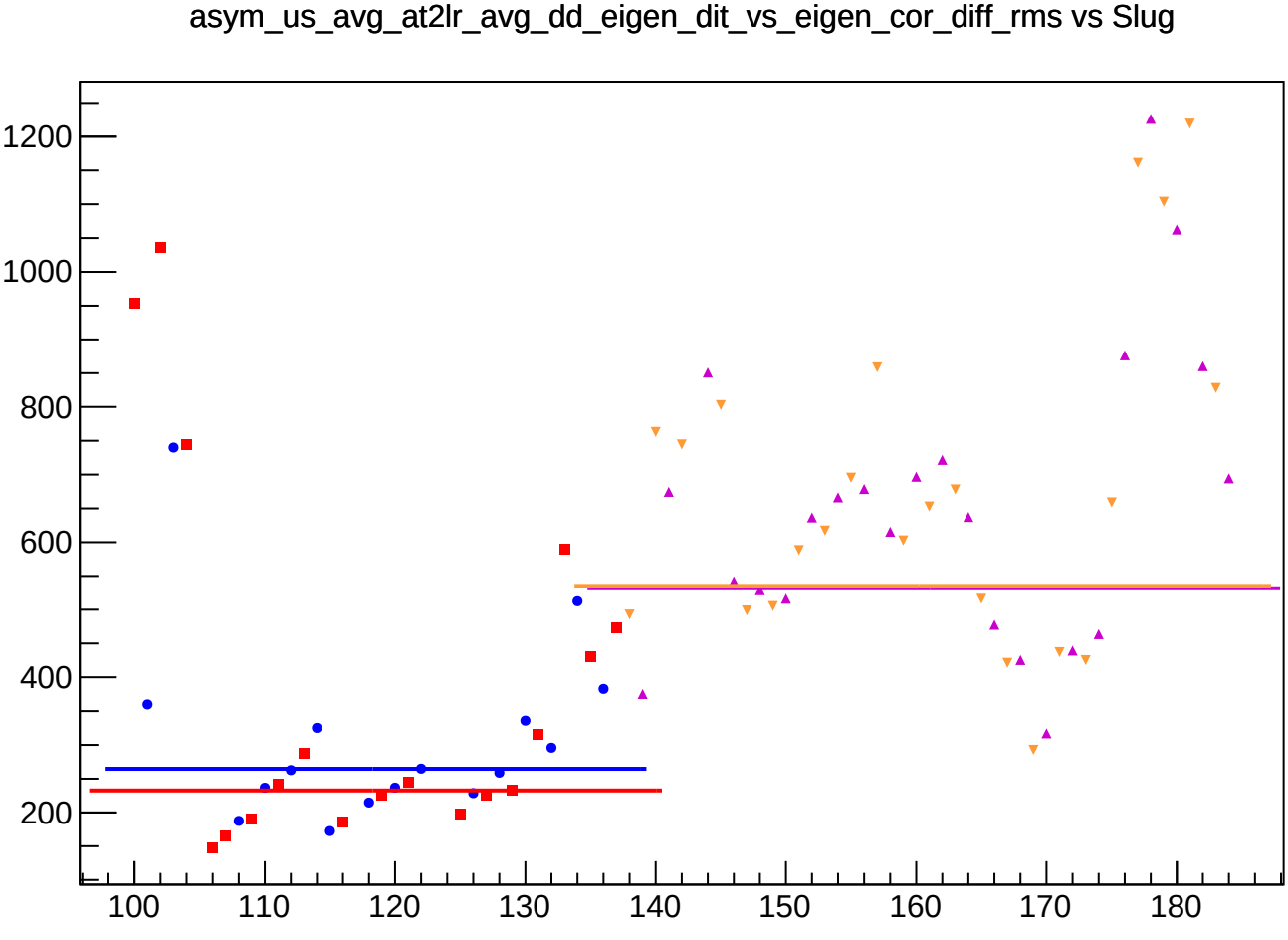
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.061+/-0.083 χ^2/NDF: 37.7/38

All: 0.036+/-0.057 χ^2/NDF: 89.0/79

- sign 0.015+/-0.078 χ^2/NDF: 51.1/40


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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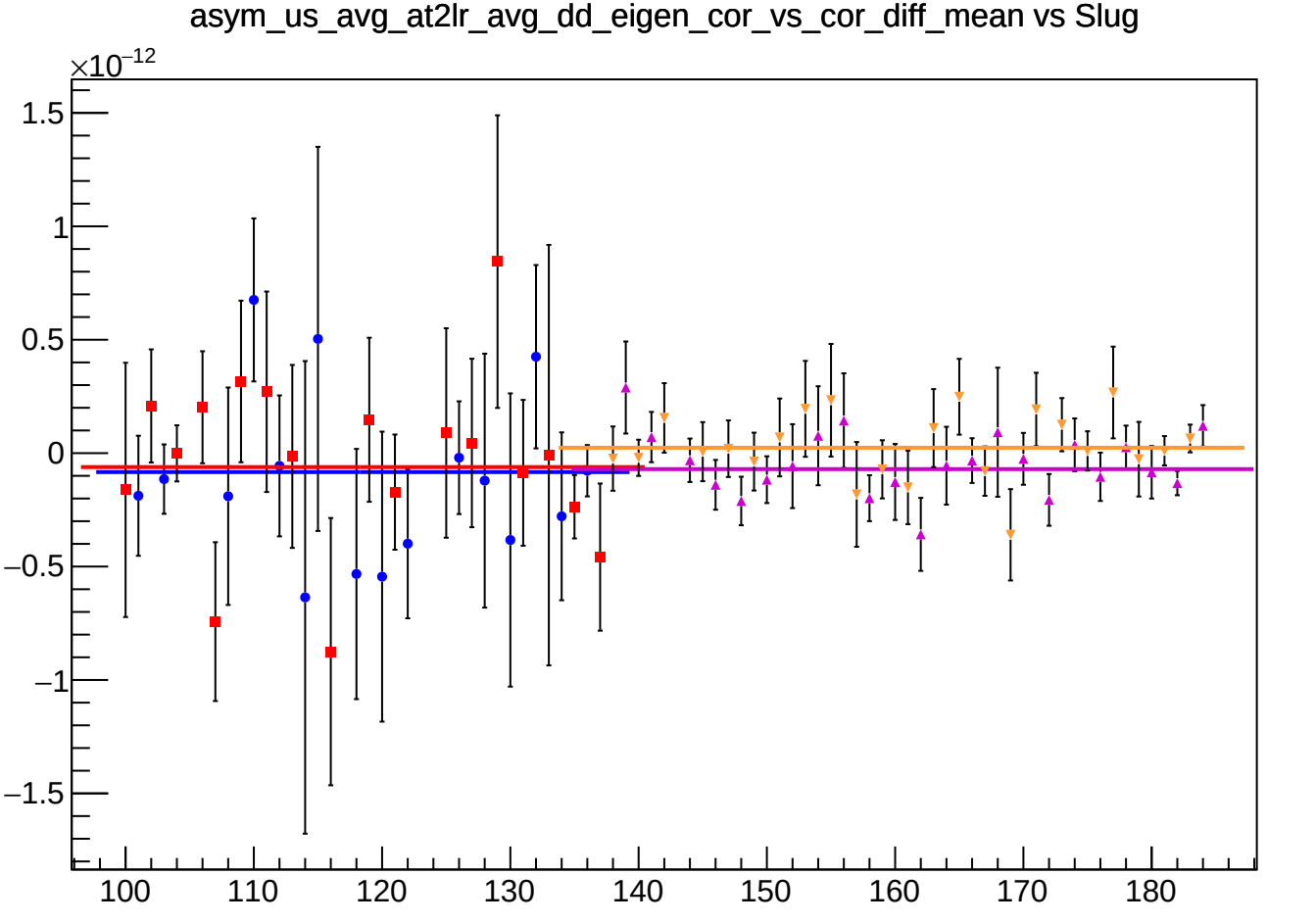
150
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 535.287+/-0.095 χ²/NDF:3936242.0/22
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 367.126+/-0.059 χ²/NDF: 10242704.8/38
All: 351.505+/-0.040 χ²/NDF: 22416469.9/79
- sign 337.497+/-0.055 χ²/NDF: 12038849.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/22

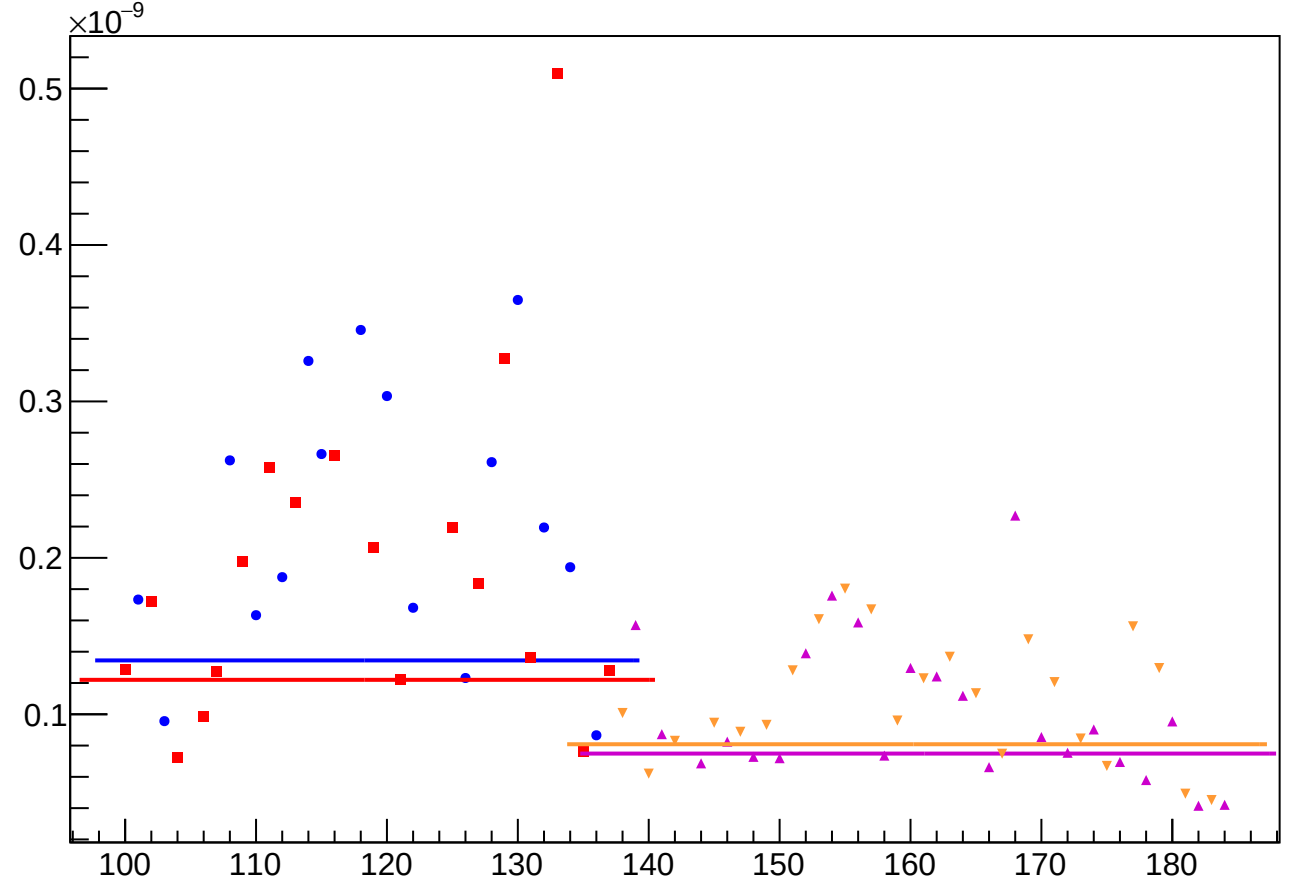
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.7/38

All: -0.000+/-0.000 χ^2/NDF: 73.3/79

- sign -0.000+/-0.000 χ^2/NDF: 39.2/40



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

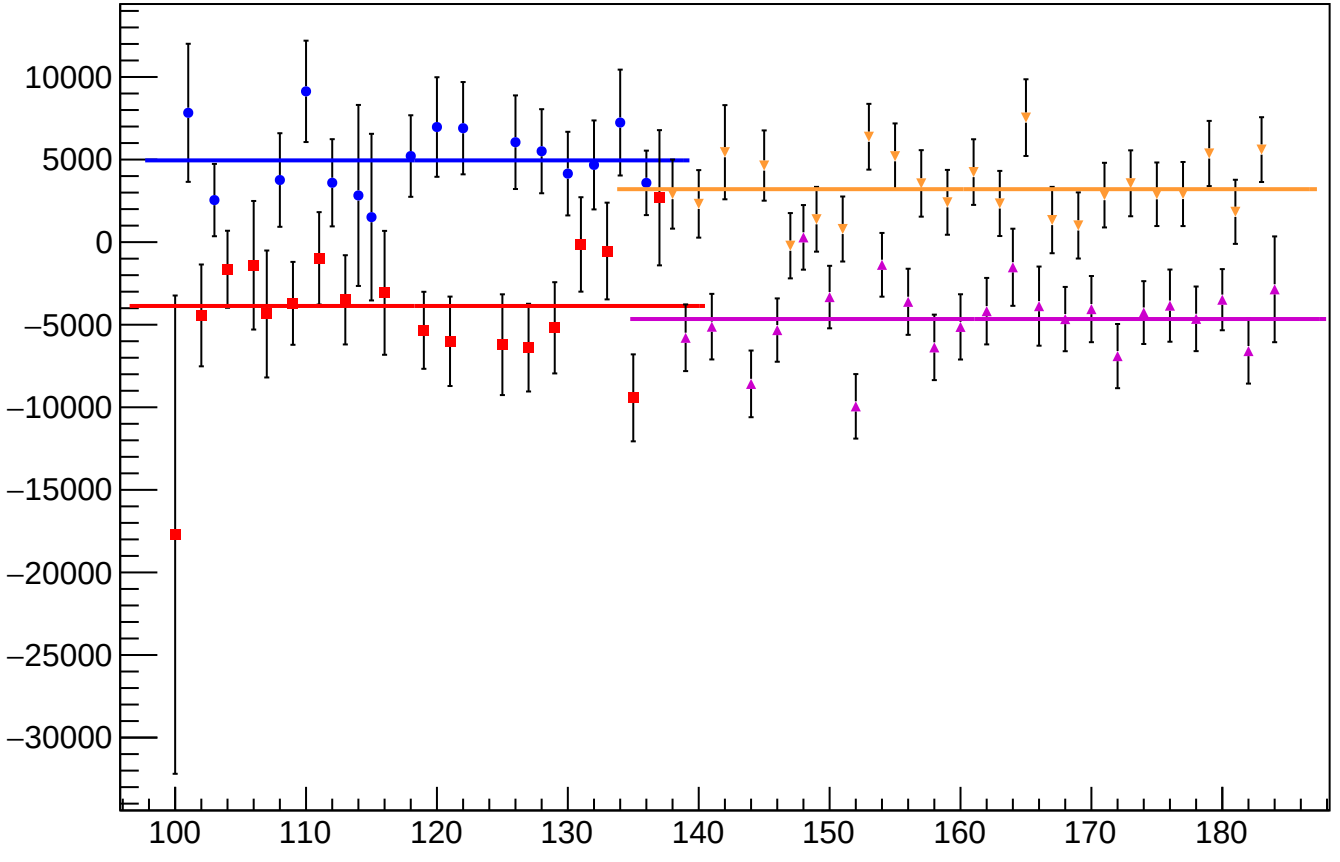
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6588205.5/38

All: 0.000+/-0.000 χ^2/NDF: 13289325.6/79

- sign 0.000+/-0.000 χ^2/NDF: 6613939.0/40

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

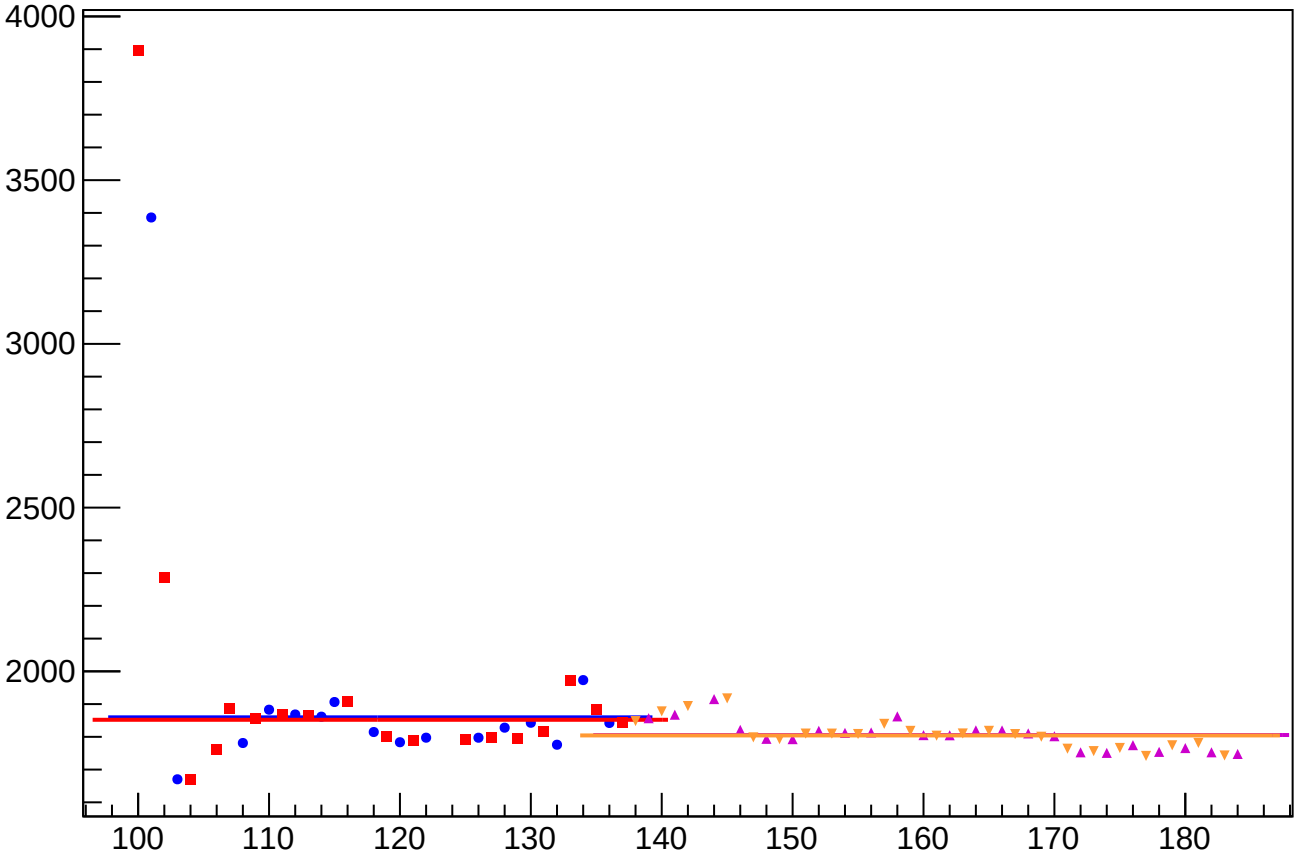
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3672.745+/-361.163 χ^2/NDF: 31.1/38

All: -391.121+/-255.191 χ^2/NDF: 328.8/79

- sign -4442.962+/-360.628 χ^2/NDF: 44.8/40

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

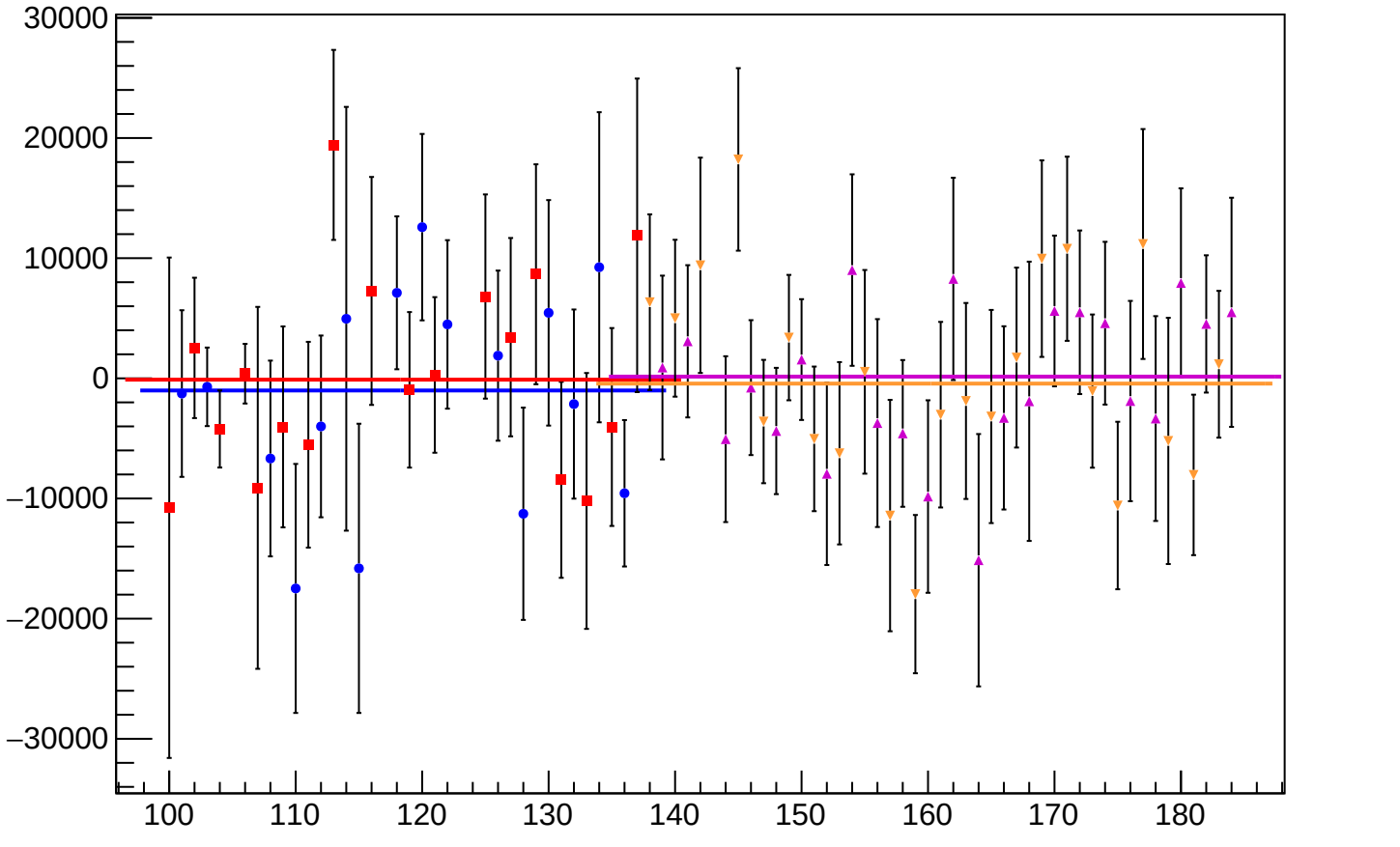
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

\+ sign 1819.038+/-0.255 χ^2/NDF: 321096.8/38

All: 1818.572+/-0.180 χ^2/NDF: 449194.6/79

\- sign 1818.108+/-0.255 χ^2/NDF: 128091.2/40



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -438.310+/-1493.065 χ^2/NDF:28.5/22

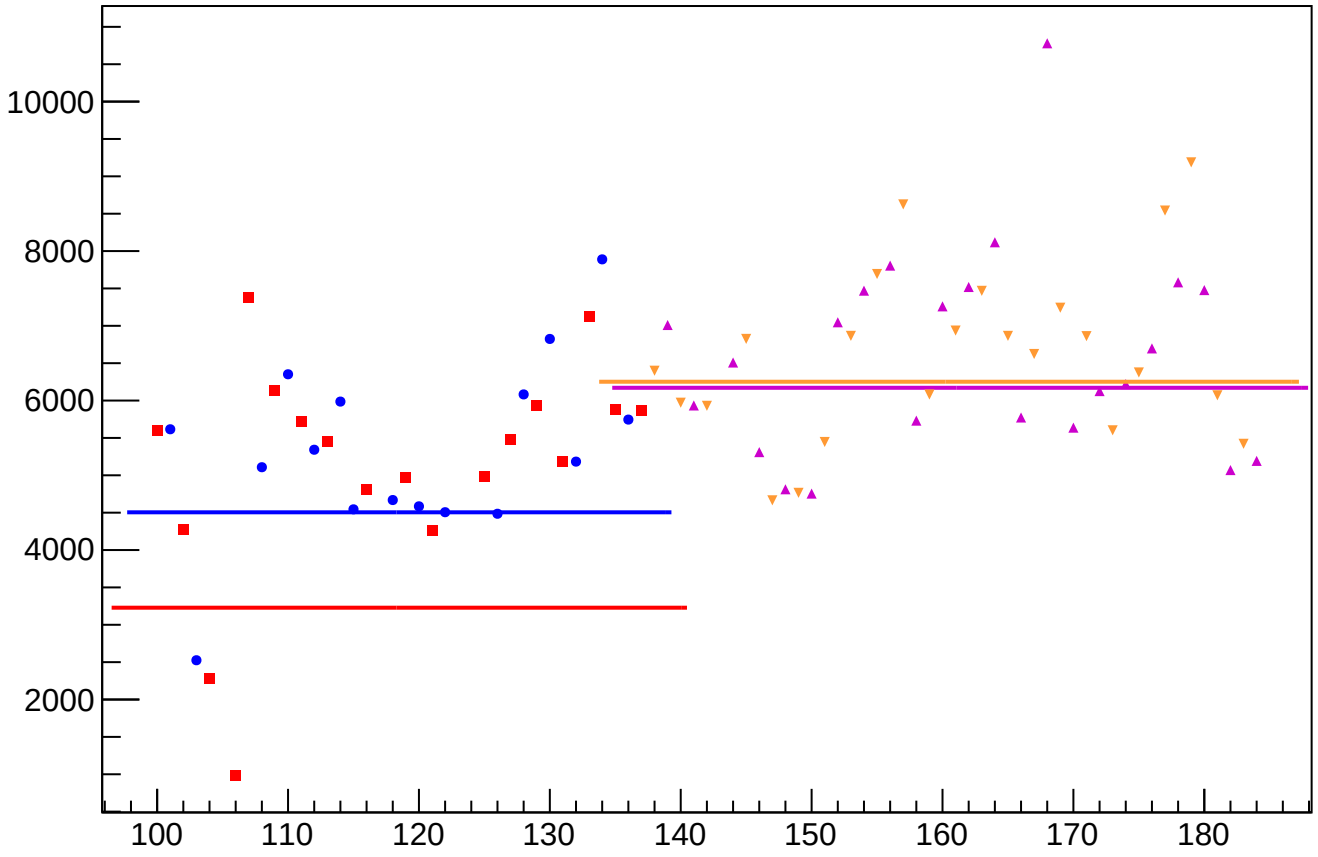
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -677.018+/-1139.691 χ^2/NDF: 43.3/38

All: -296.634+/-763.594 χ^2/NDF: 71.8/79

- sign 13.211+/-1028.603 χ^2/NDF: 28.2/40



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

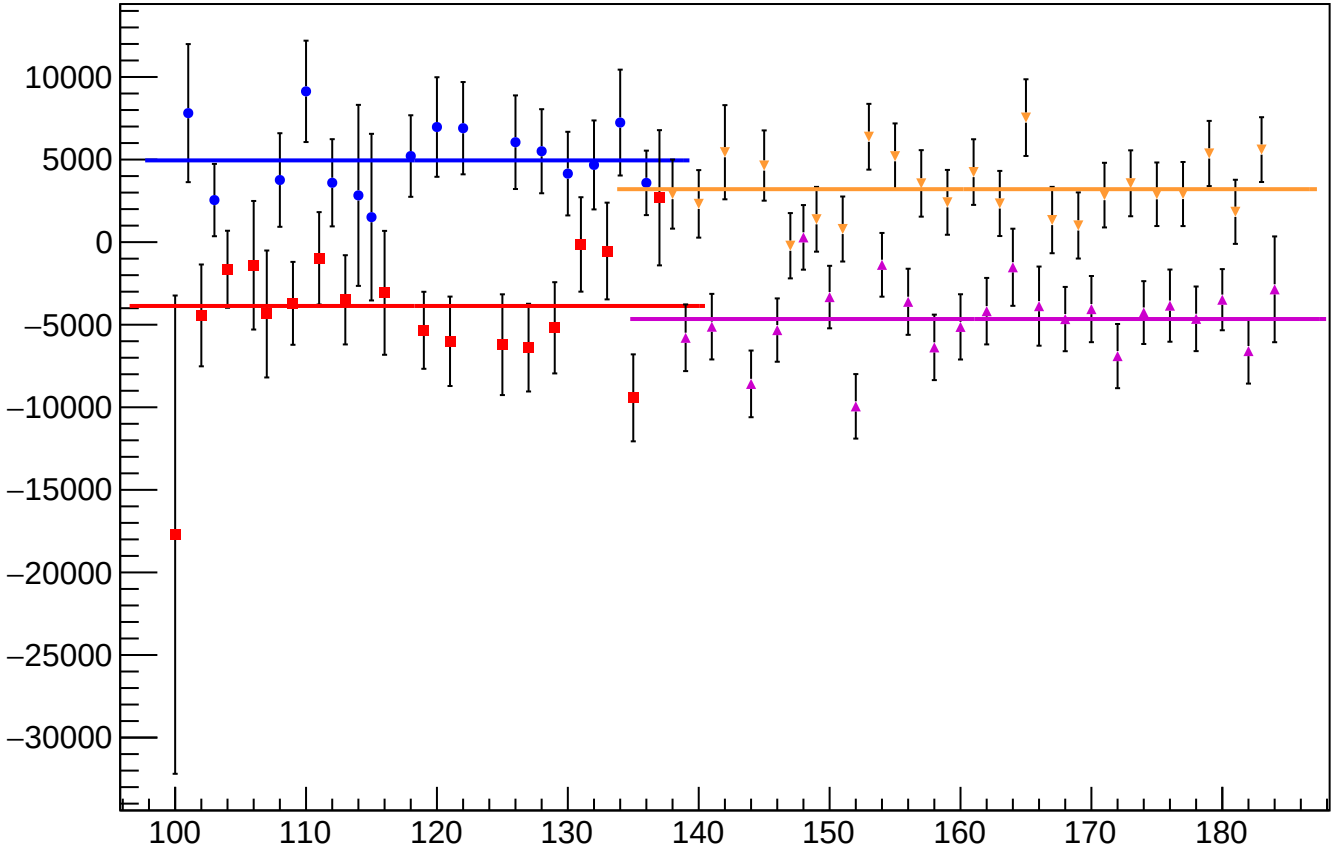
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5522.723+/-0.806 χ^2/NDF: 3520666.8/38

All: 5050.850+/-0.540 χ^2/NDF: 13425516.7/7

- sign 4666.482+/-0.727 χ^2/NDF: 9282725.1/40

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

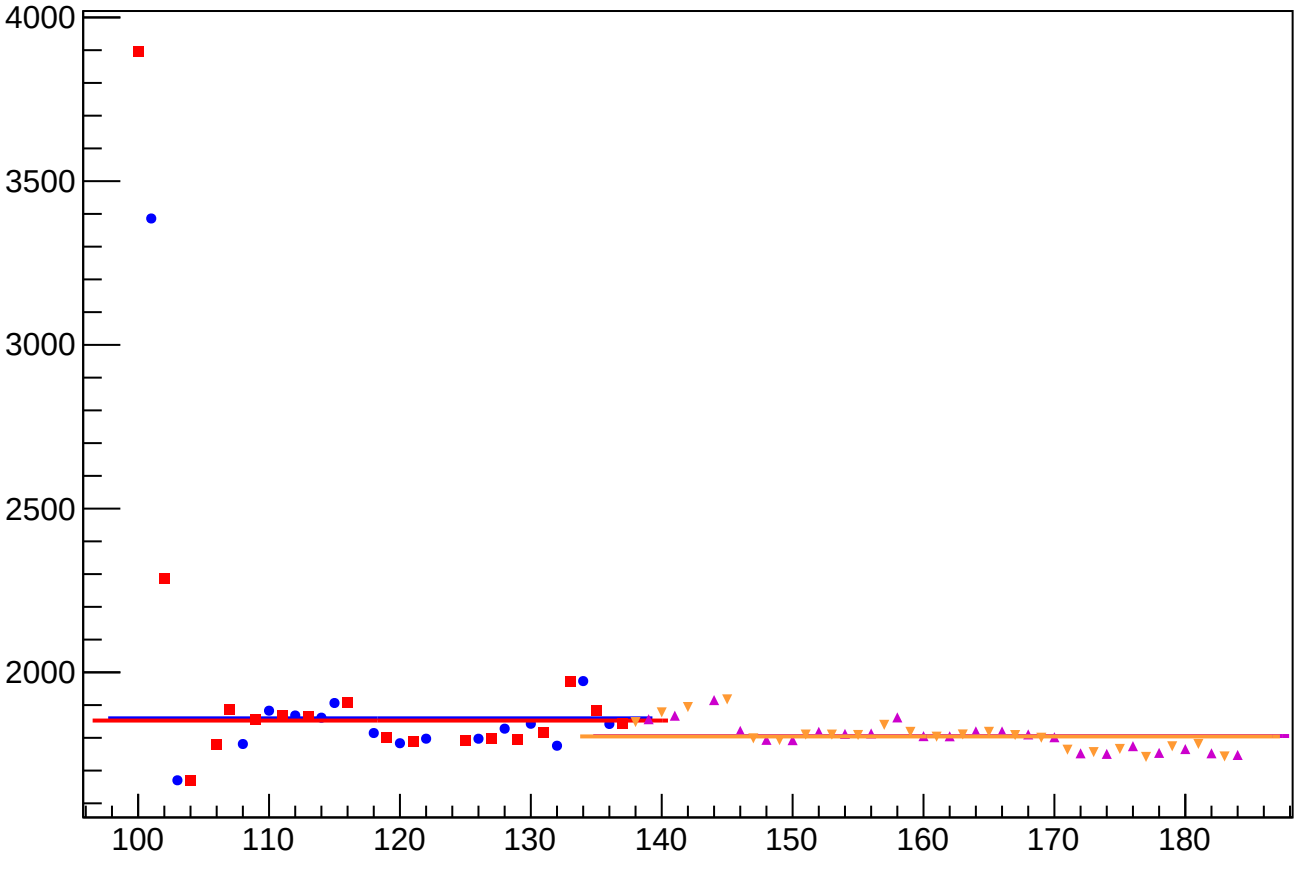
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3672.572+/-361.163 χ^2/NDF: 31.1/38

All: -391.186+/-255.192 χ^2/NDF: 328.7/79

- sign -4442.918+/-360.628 χ^2/NDF: 44.8/40

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

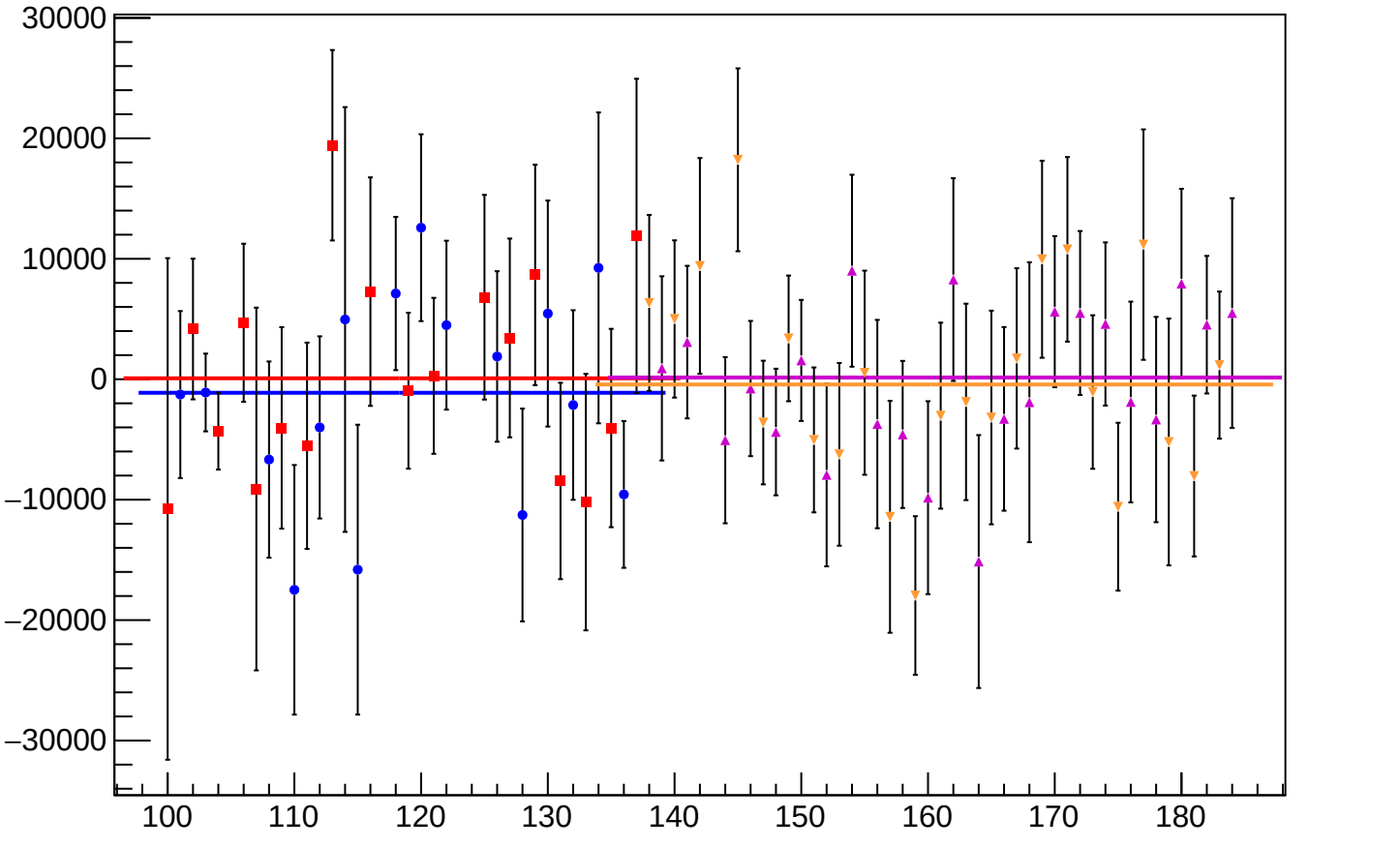
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

\+ sign 1819.038+/-0.255 χ^2/NDF: 321098.6/38

All: 1818.664+/-0.180 χ^2/NDF: 448929.6/79

\- sign 1818.292+/-0.255 χ^2/NDF: 127826.7/40



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

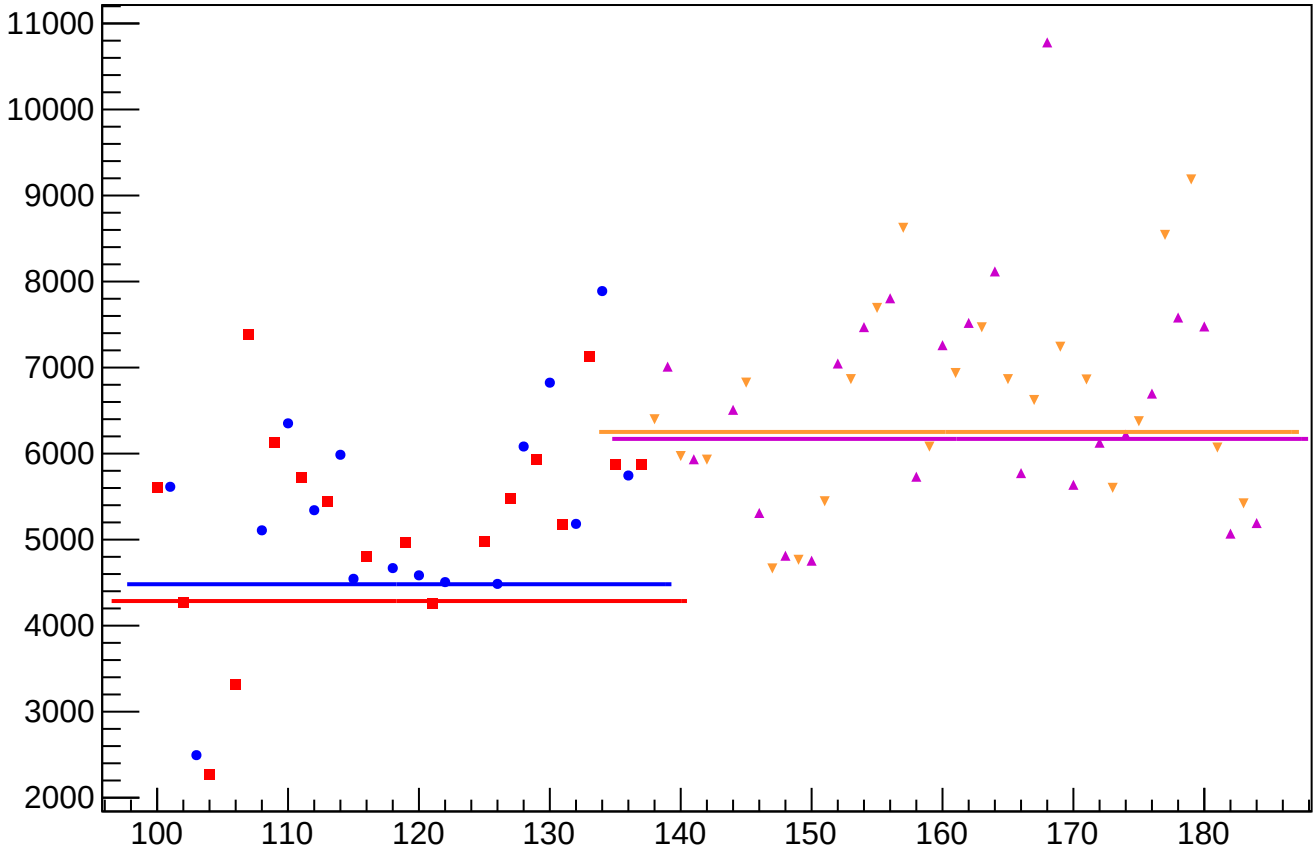
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -726.324+/-1137.986 χ^2/NDF: 43.4/38

All: -296.134+/-795.776 χ^2/NDF: 72.7/79

- sign 115.534+/-1113.218 χ^2/NDF: 29.1/40

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6251.829+/-1.056 χ^2/NDF:1056775.9/22

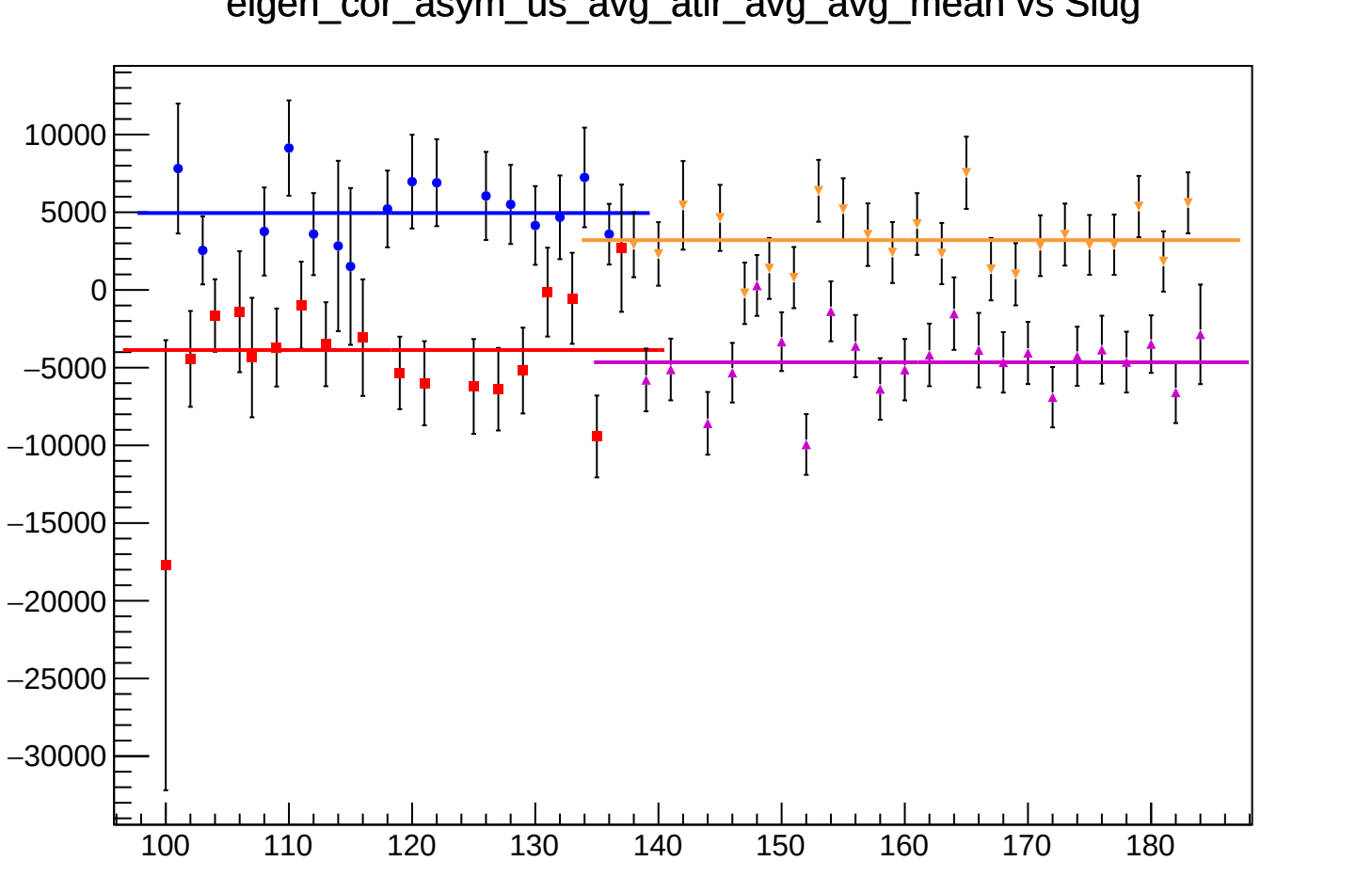
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5509.927+/-0.805 χ^2/NDF: 3597365.6/38

All: 5435.843+/-0.563 χ^2/NDF: 7804405.7/79

- sign 5364.948+/-0.787 χ^2/NDF: 4190452.5/40



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

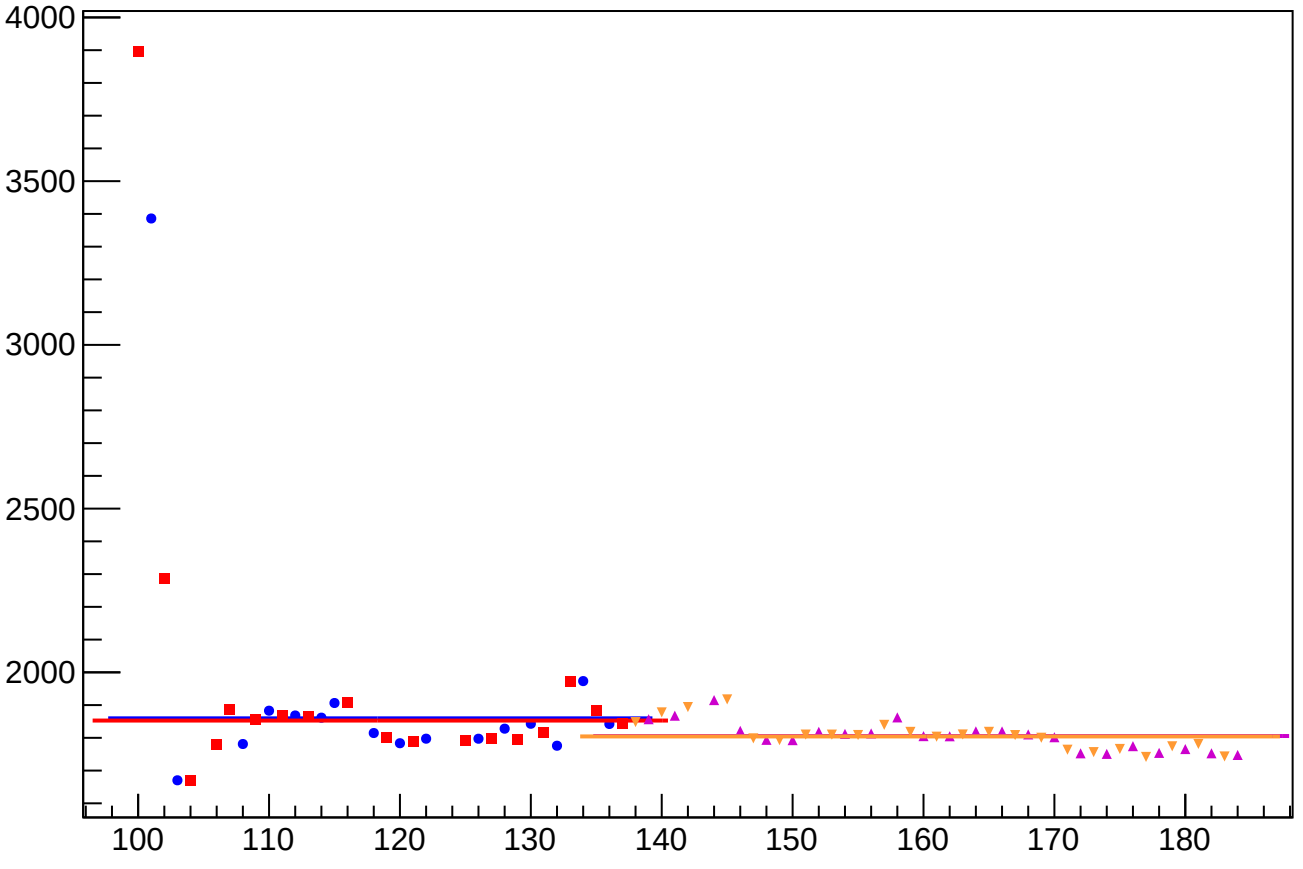
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3672.572+/-361.163 χ^2/NDF: 31.1/38

All: -391.186+/-255.192 χ^2/NDF: 328.7/79

- sign -4442.918+/-360.628 χ^2/NDF: 44.8/40

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

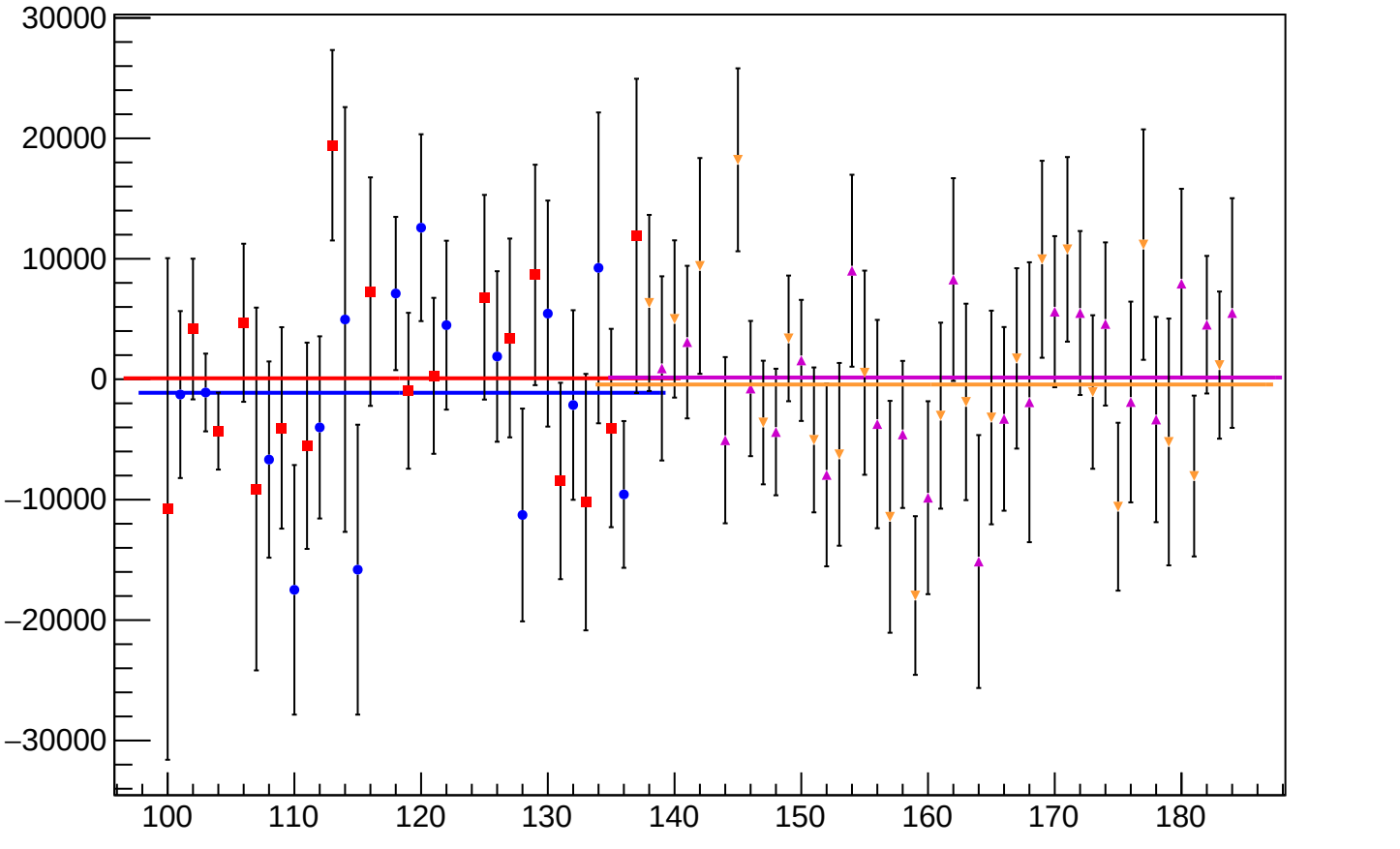
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

\+ sign 1819.038+/-0.255 χ^2/NDF: 321098.6/38

All: 1818.664+/-0.180 χ^2/NDF: 448929.6/79

\- sign 1818.292+/-0.255 χ^2/NDF: 127826.7/40



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -438.307+/-1493.065 χ^2/NDF:28.5/22

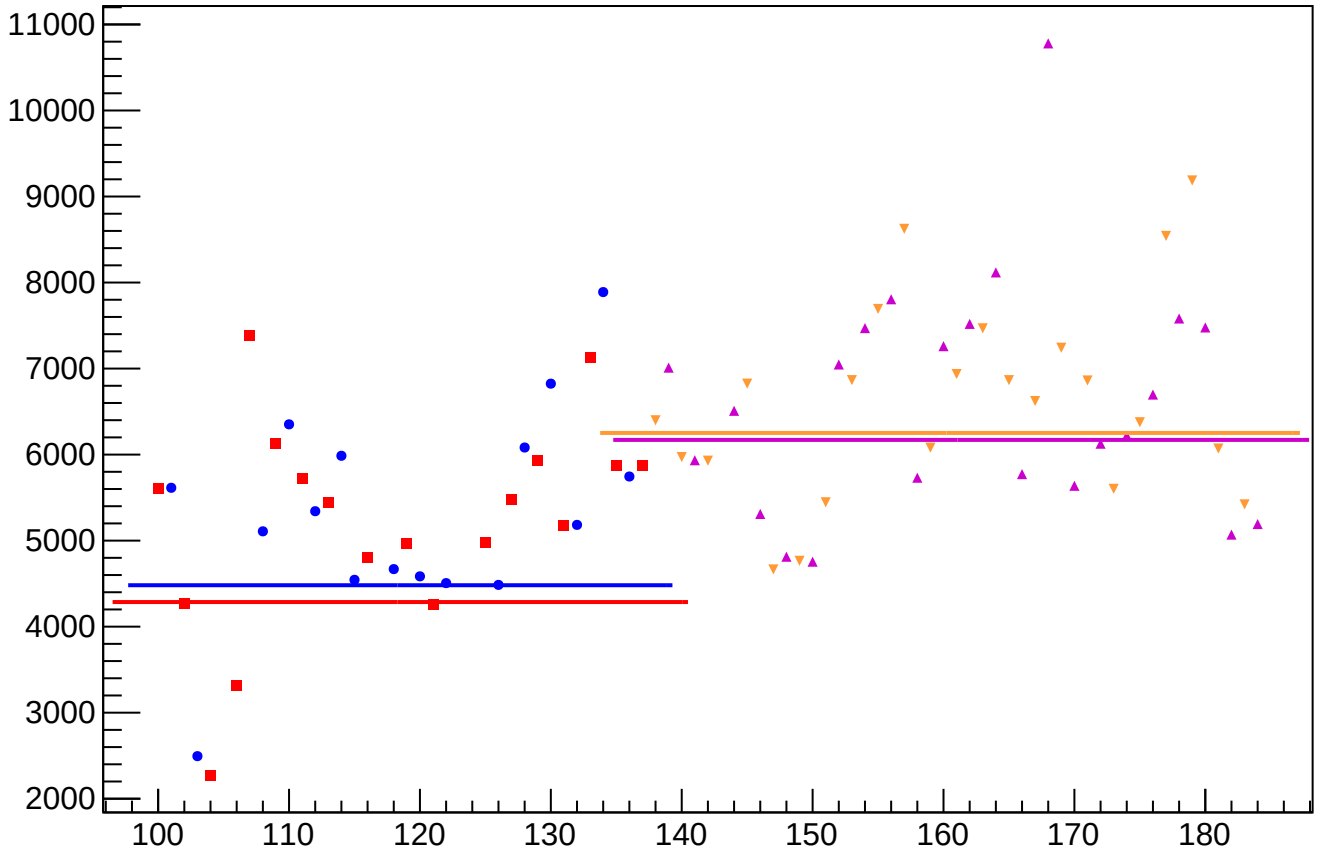
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -726.324+/-1137.986 χ^2/NDF: 43.4/38

All: -296.134+/-795.776 χ^2/NDF: 72.7/79

- sign 115.534+/-1113.218 χ^2/NDF: 29.1/40



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

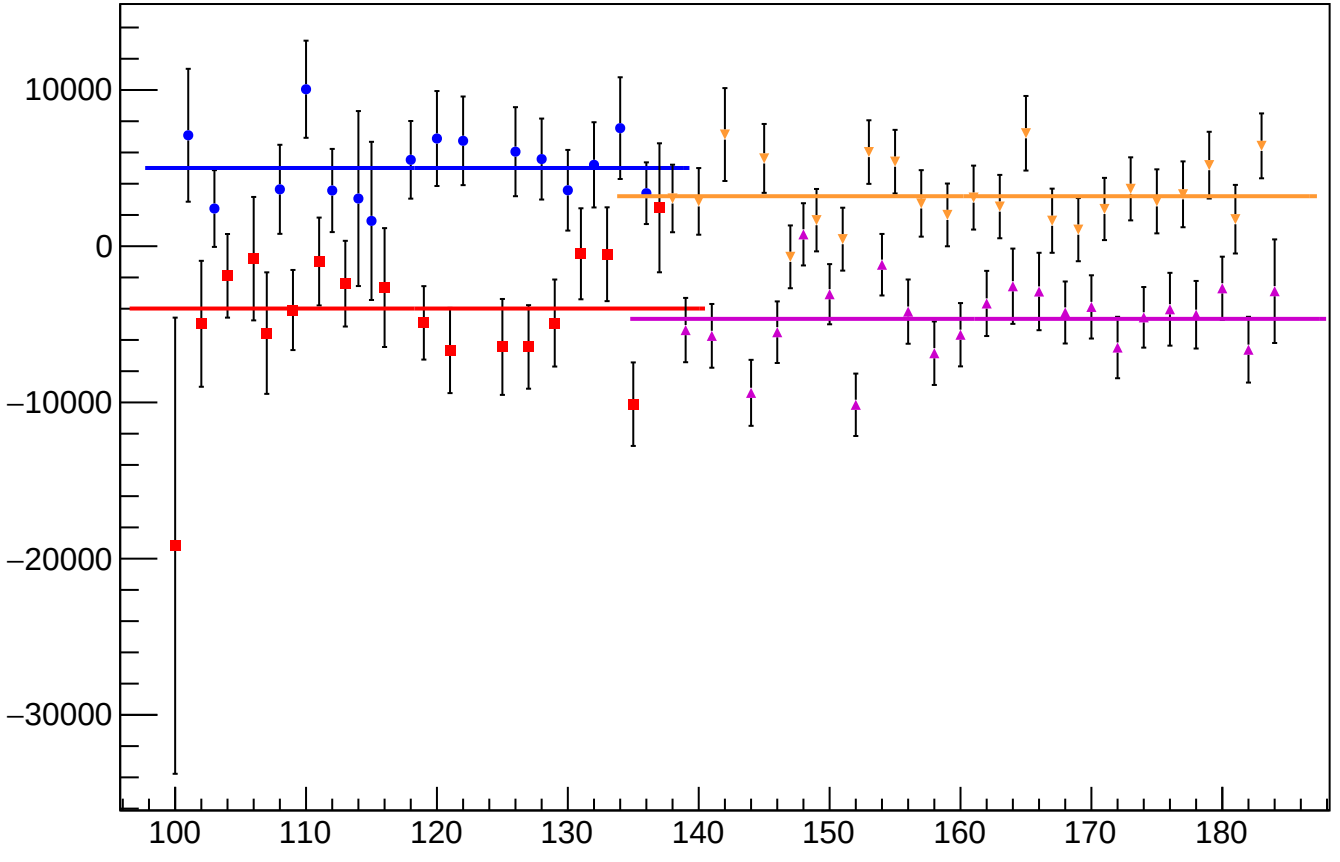
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5509.927+/-0.805 χ^2/NDF: 3597365.6/38

All: 5435.843+/-0.563 χ^2/NDF: 7804405.7/79

- sign 5364.948+/-0.787 χ^2/NDF: 4190452.5/40

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

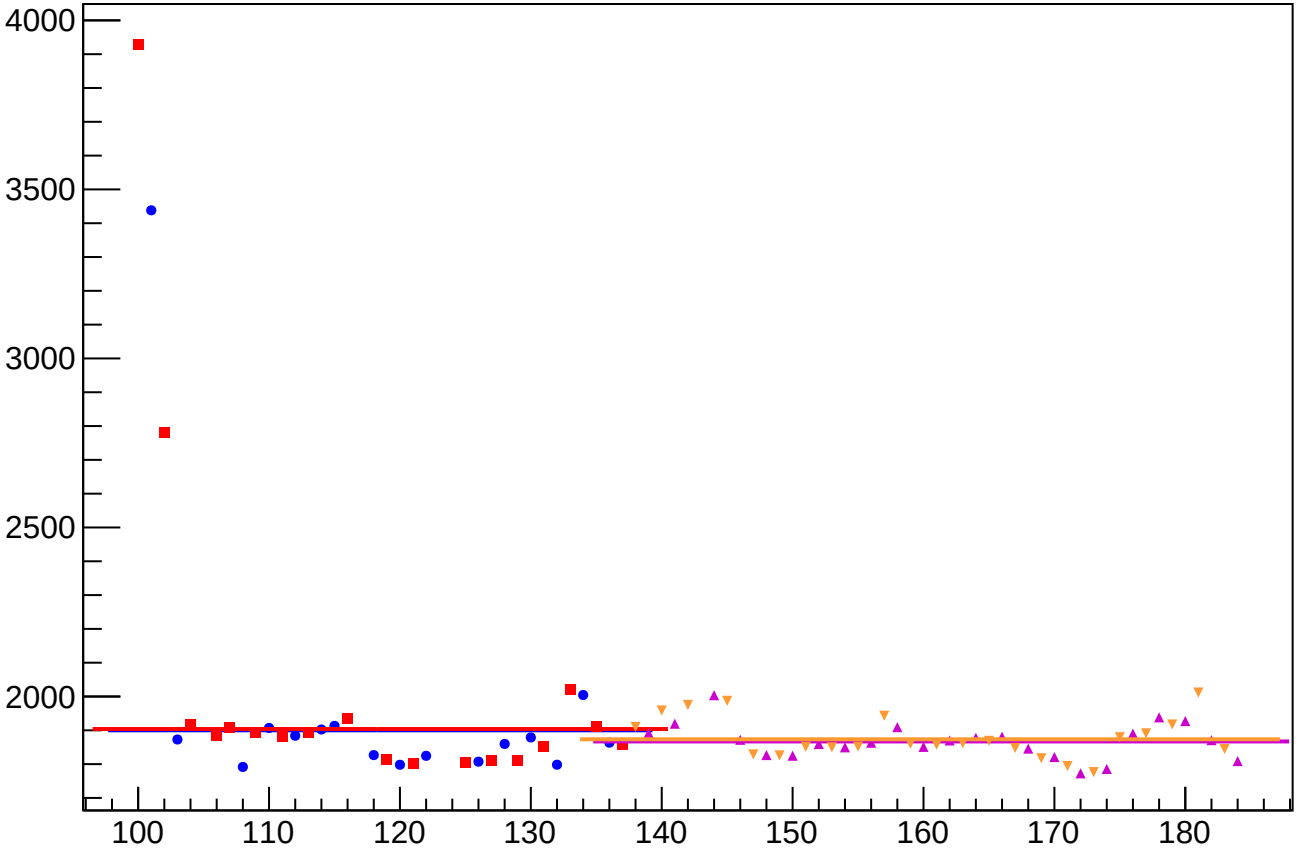
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3695.181+/-373.501 χ^2/NDF: 33.6/38

All: -394.857+/-263.906 χ^2/NDF: 321.6/79

- sign -4472.567+/-372.938 χ^2/NDF: 48.5/40

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

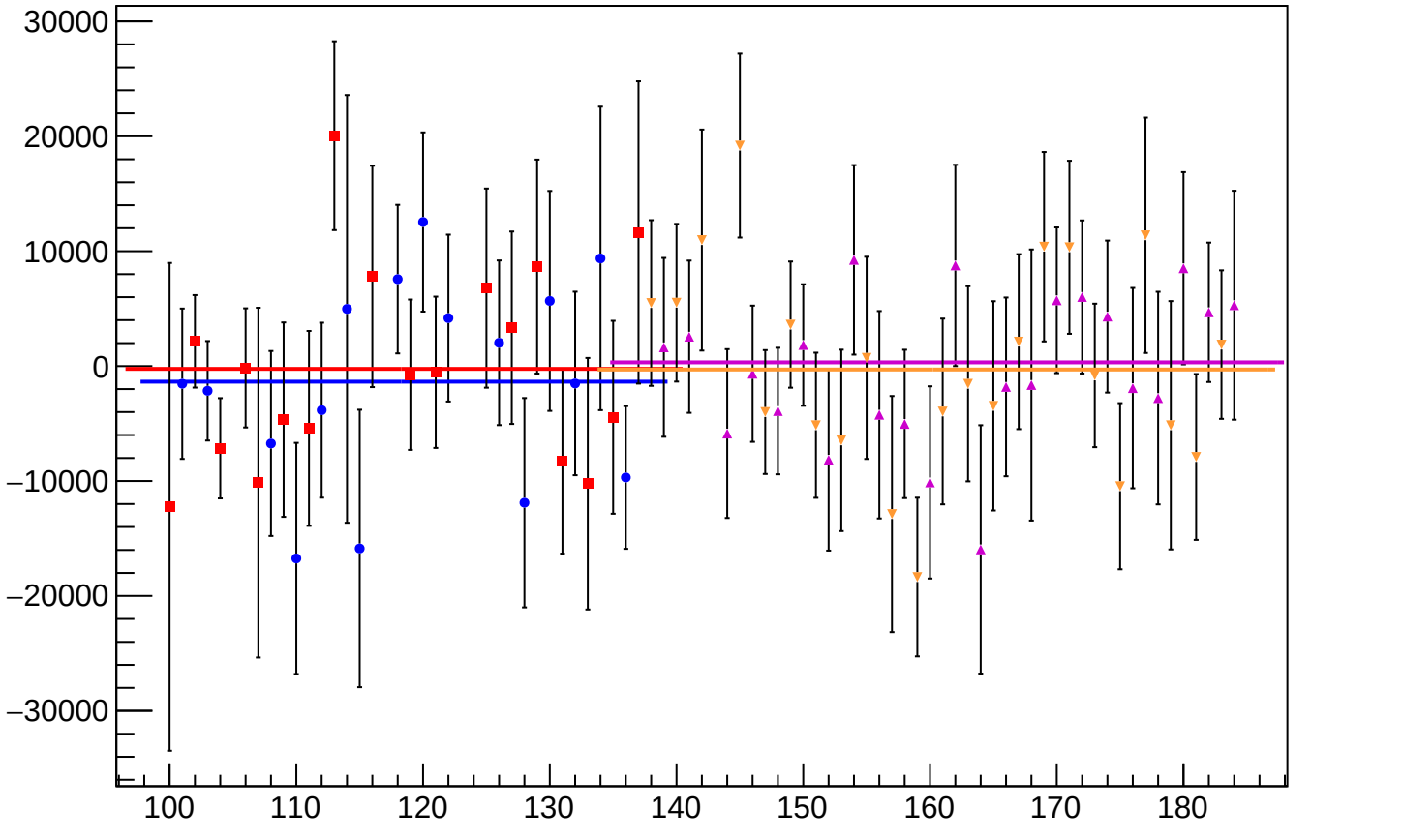
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1880.762+/-0.264 χ^2/NDF: 316127.6/38

All: 1878.868+/-0.187 χ^2/NDF: 497417.5/79

- sign 1876.981+/-0.264 χ^2/NDF: 181187.3/40



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -295.464+/-1550.801 χ^2/NDF:28.0/22

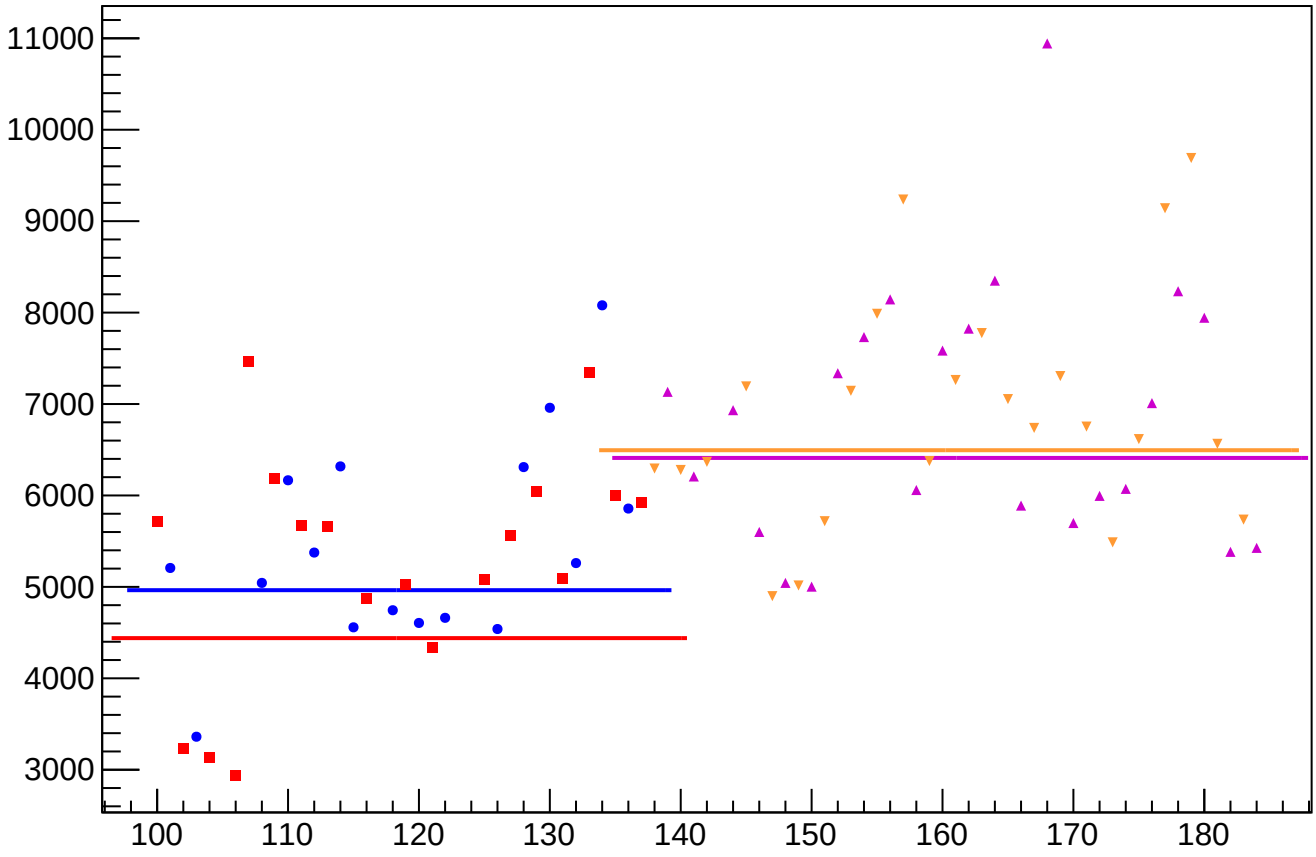
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -720.823+/-1200.398 χ^2/NDF: 42.9/38

All: -303.042+/-826.698 χ^2/NDF: 72.3/79

- sign 73.875+/-1140.181 χ^2/NDF: 29.2/40



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6494.768+/-1.097 χ^2/NDF:1067888.6/22

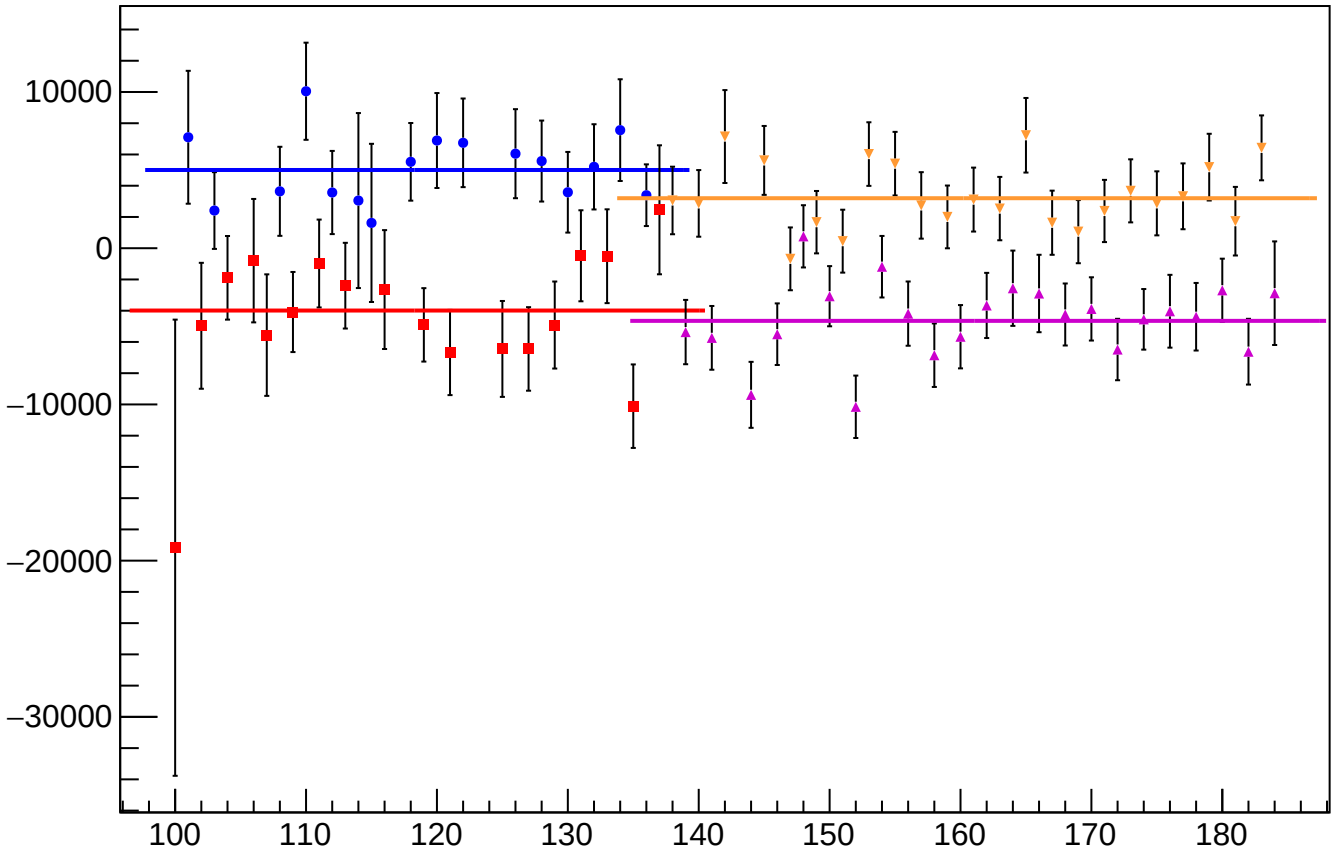
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5881.164+/-0.849 χ^2/NDF: 2476381.3/38

All: 5700.231+/-0.585 χ^2/NDF: 6415639.3/79

- sign 5536.996+/-0.806 χ^2/NDF: 3852827.5/40



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

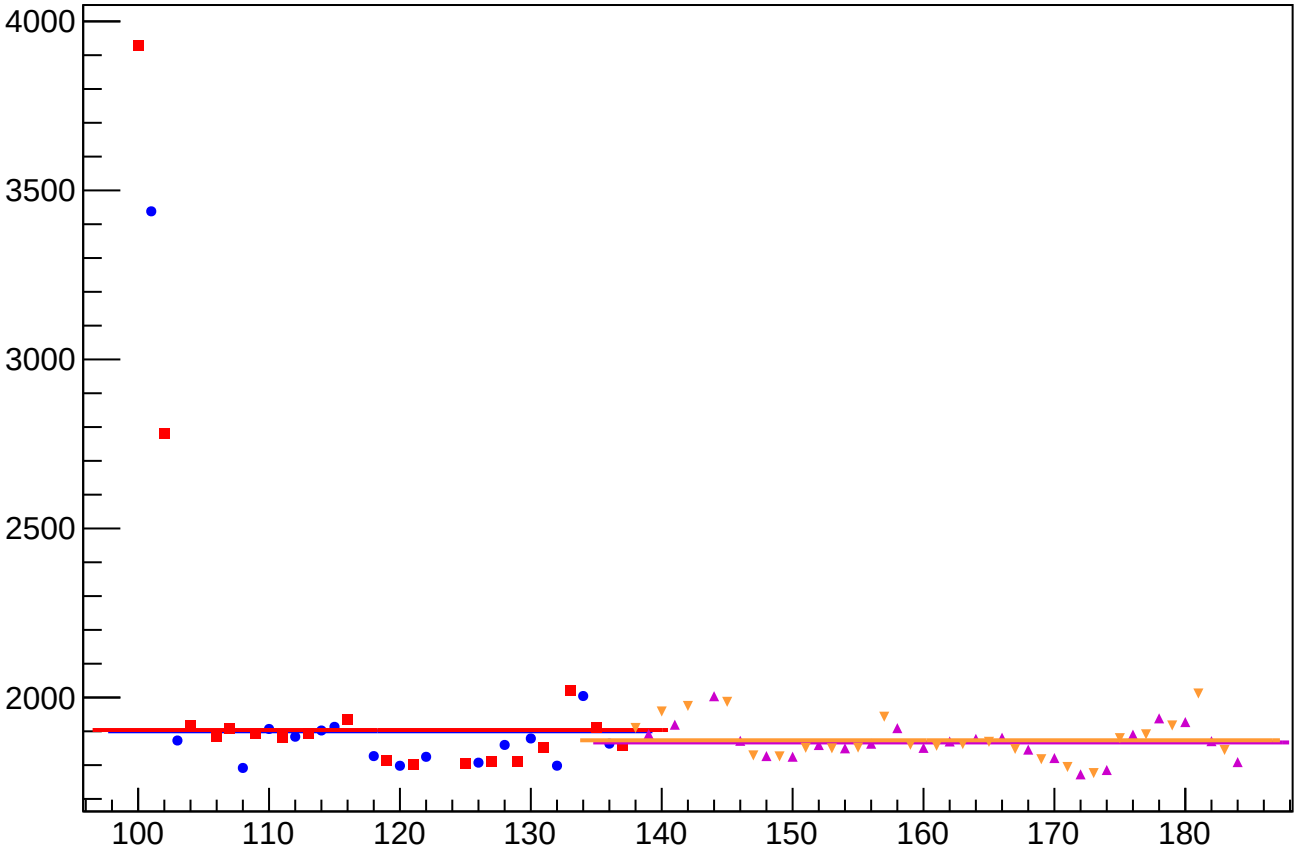
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3695.177+/-373.501 χ^2/NDF: 33.6/38

All: -394.859+/-263.906 χ^2/NDF: 321.6/79

- sign -4472.567+/-372.938 χ^2/NDF: 48.5/40

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

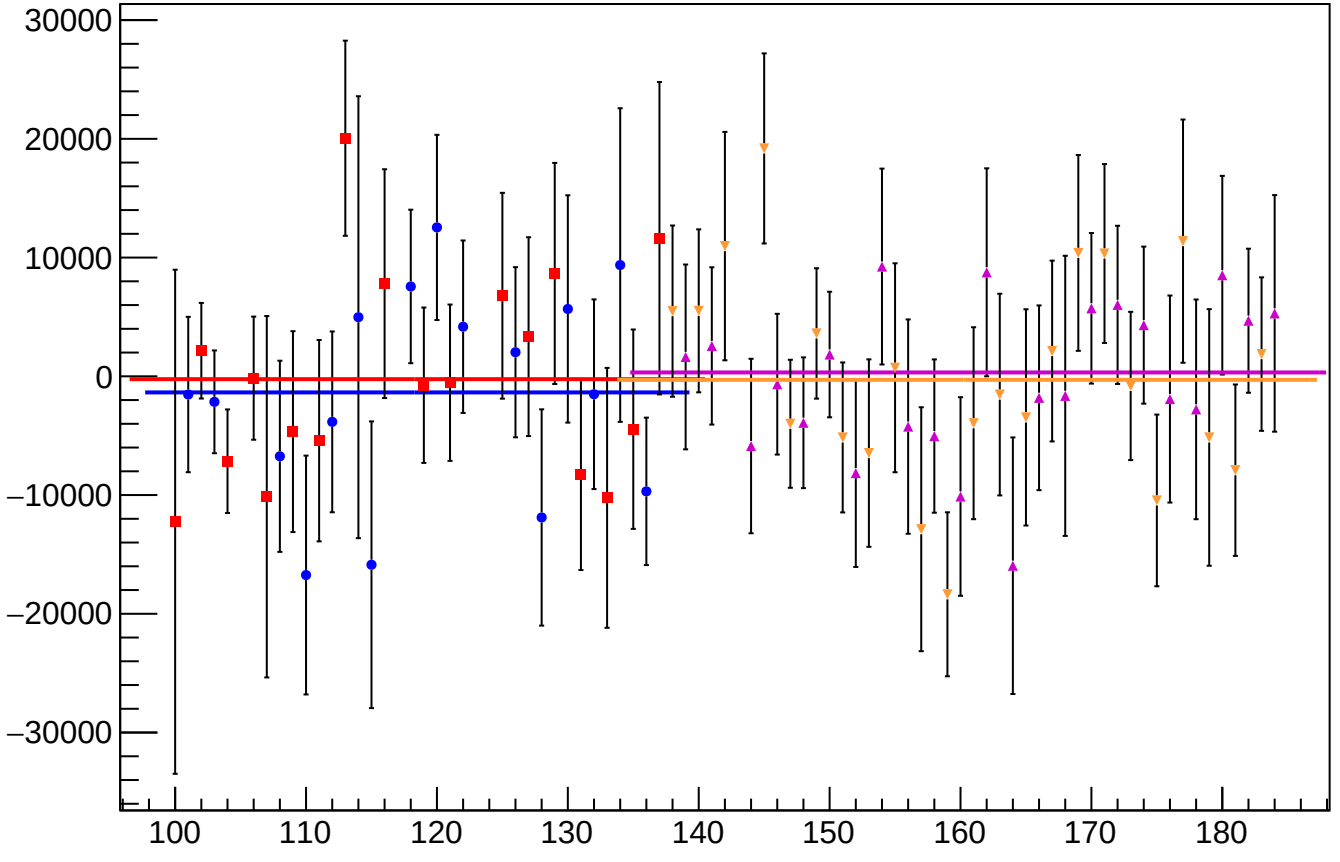
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1880.763+/-0.264 χ^2/NDF: 316128.6/38

All: 1878.869+/-0.187 χ^2/NDF: 497418.6/79

- sign 1876.981+/-0.264 χ^2/NDF: 181187.3/40

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -295.470+/-1550.804 χ^2/NDF:28.0/22

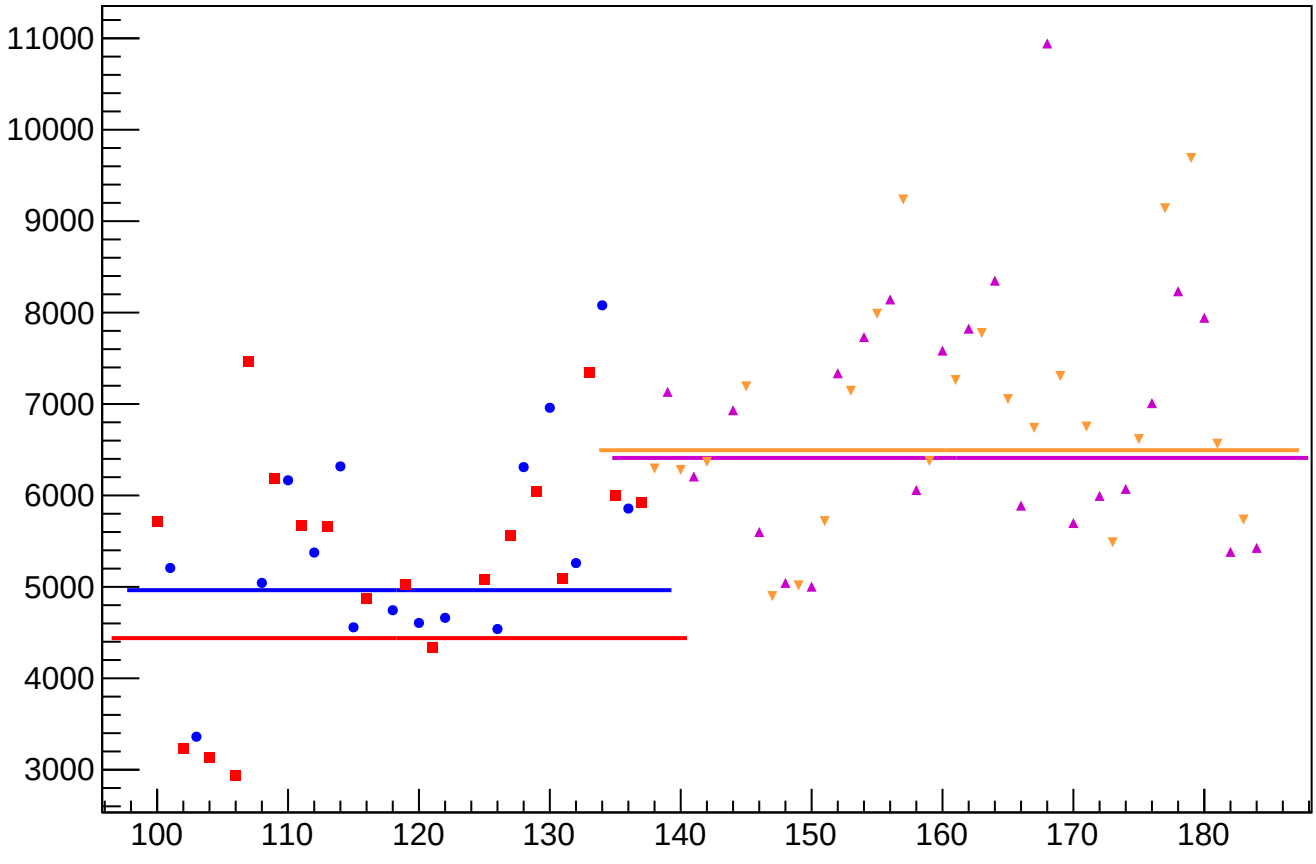
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -720.824+/-1200.398 χ^2/NDF: 42.9/38

All: -303.043+/-826.698 χ^2/NDF: 72.3/79

- sign 73.874+/-1140.181 χ^2/NDF: 29.2/40



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

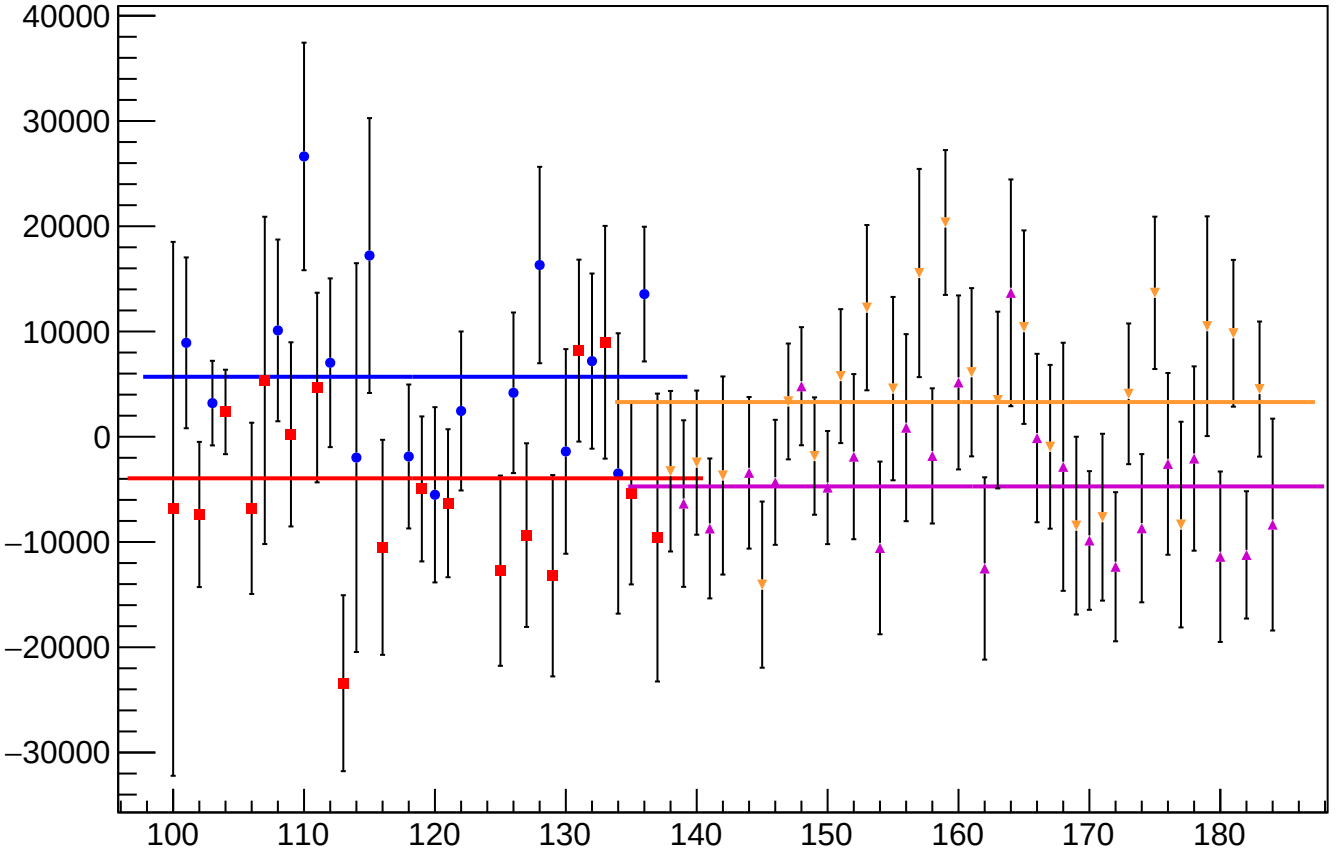
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5881.162+/-0.849 χ^2/NDF: 2476411.7/38

All: 5700.228+/-0.585 χ^2/NDF: 6415707.4/79

- sign 5536.992+/-0.806 χ^2/NDF: 3852864.4/40

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

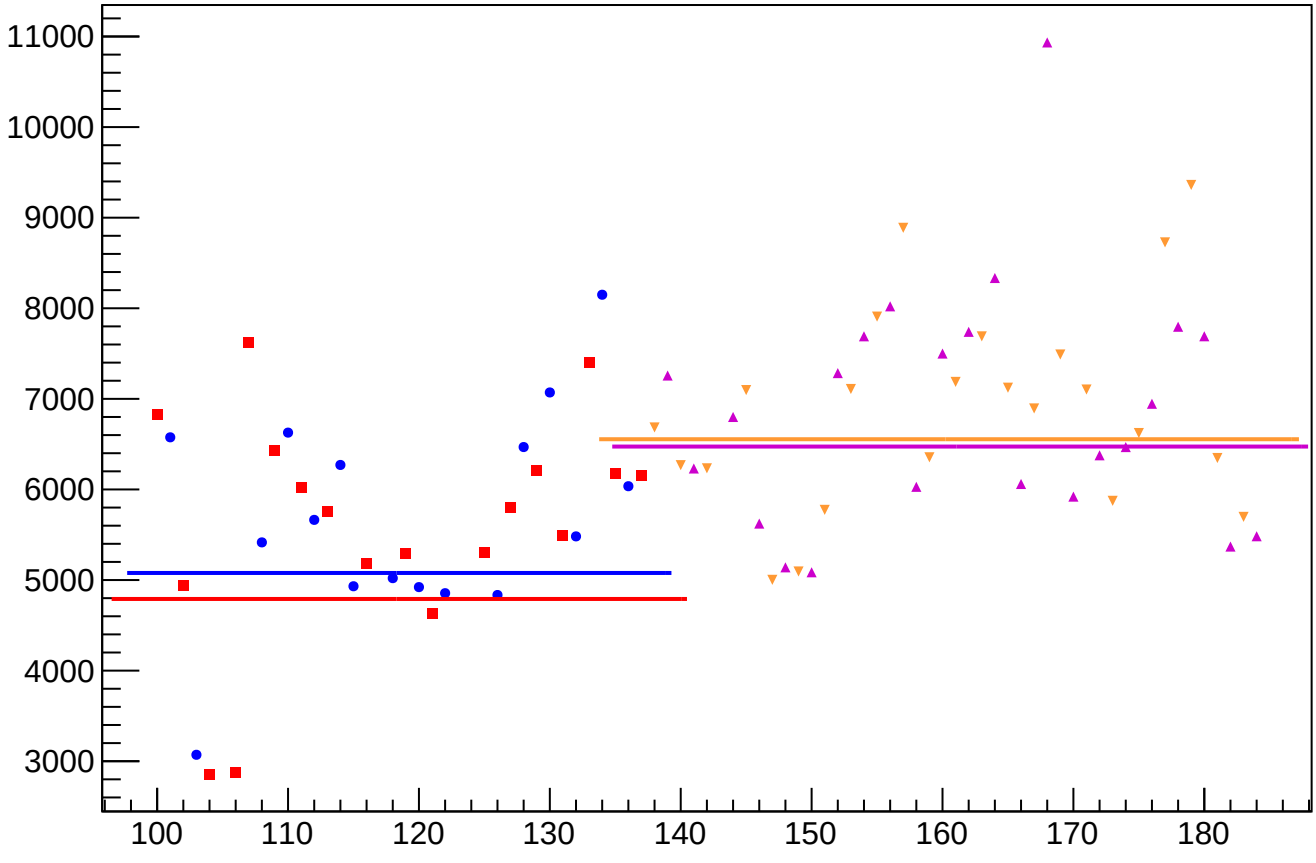
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4227.514+/-1220.697 χ^2/NDF: 40.1/38

All: -165.489+/-856.139 χ^2/NDF: 96.1/79

- sign -4418.346+/-1201.068 χ^2/NDF: 30.5/40

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

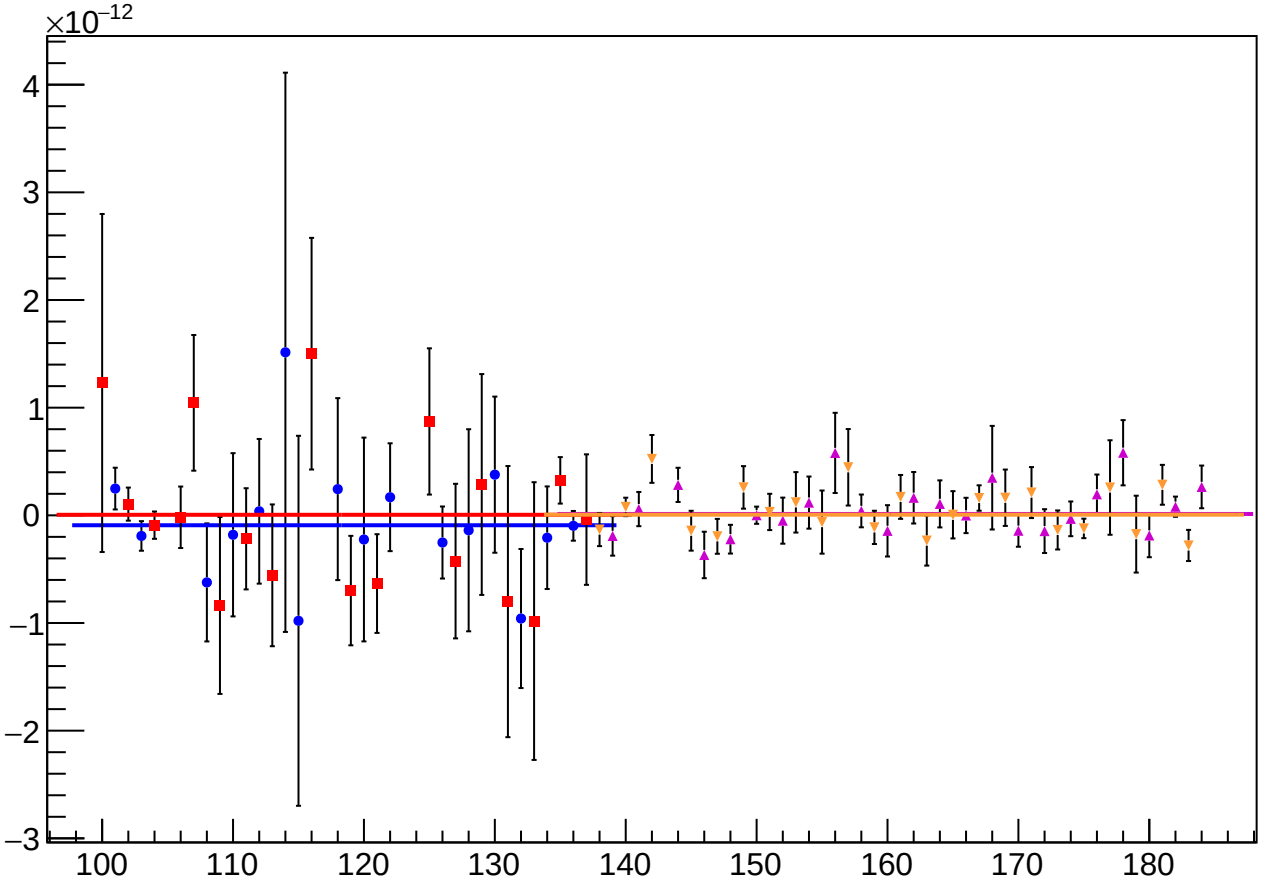
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 5981.308+/-0.863 χ^2/NDF: 2523820.2/38

All: 5888.034+/-0.603 χ^2/NDF: 5738508.6/79

- sign 5799.179+/-0.842 χ^2/NDF: 3191887.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/22

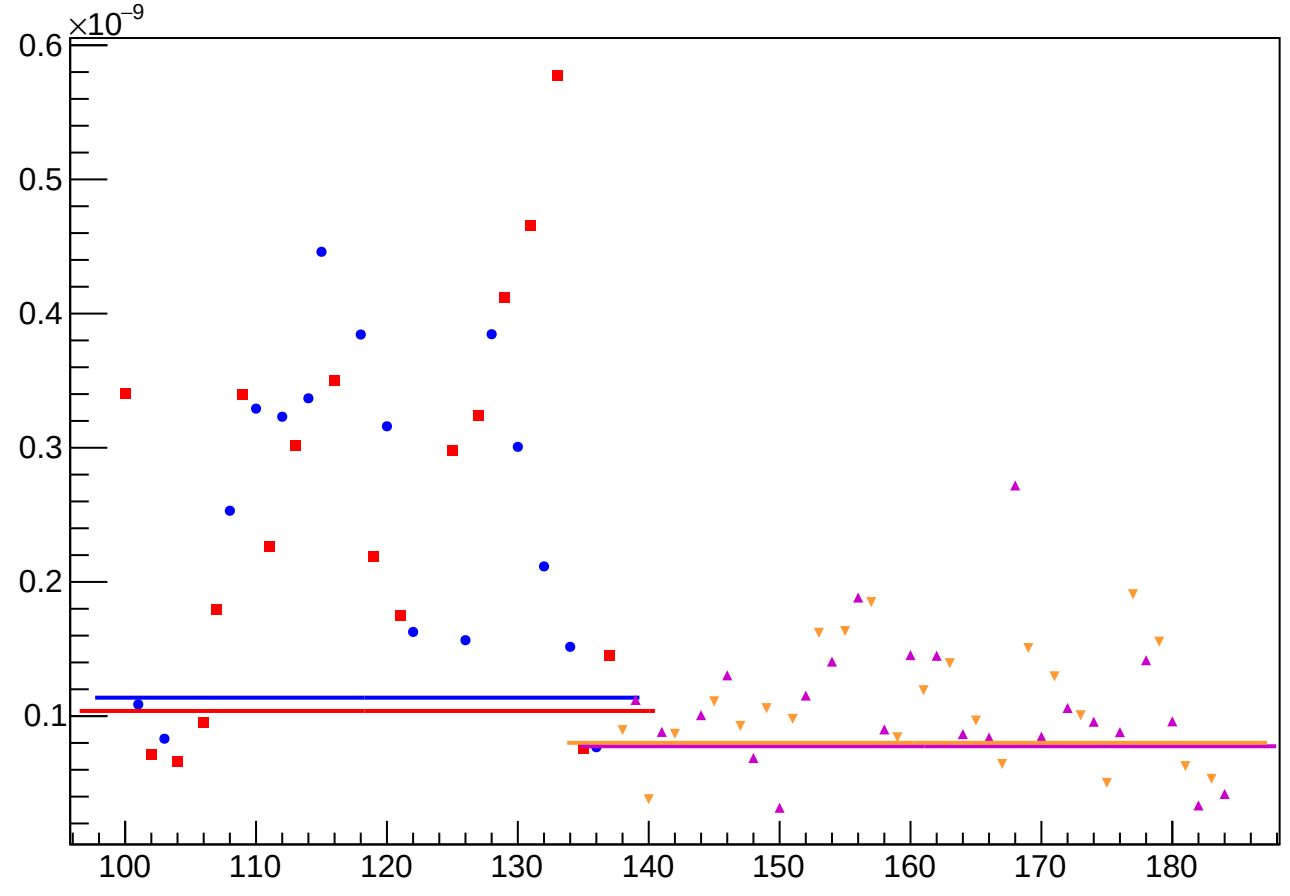
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.6/38

All: 0.000+/-0.000 χ^2/NDF: 78.2/79

- sign 0.000+/-0.000 χ^2/NDF: 41.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2153223.5/22

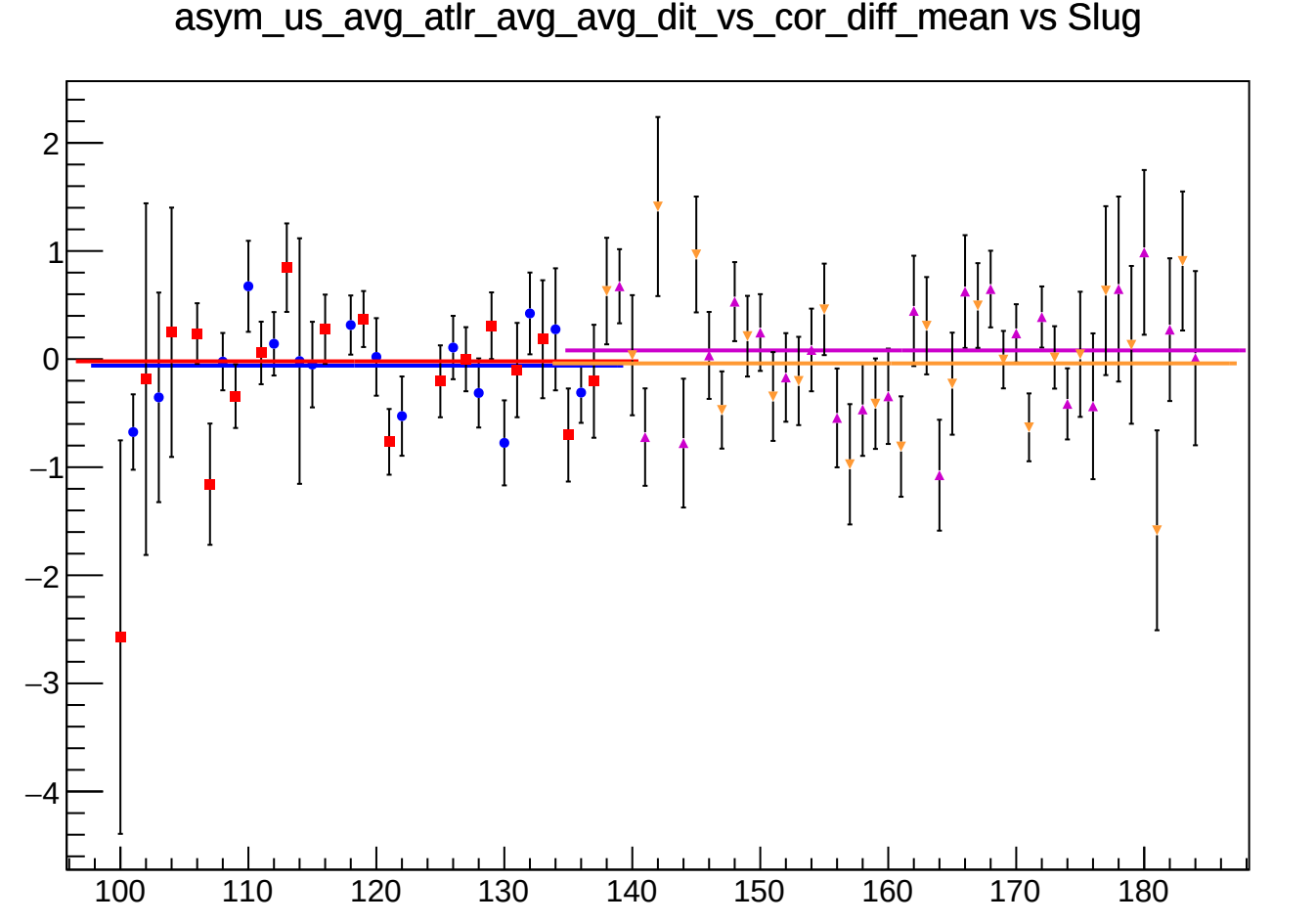
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3988417.5/38

All: 0.000+/-0.000 χ^2/NDF: 8927328.0/79

- sign 0.000+/-0.000 χ^2/NDF: 4923760.3/40



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.040+/-0.091 χ^2/NDF:30.8/22

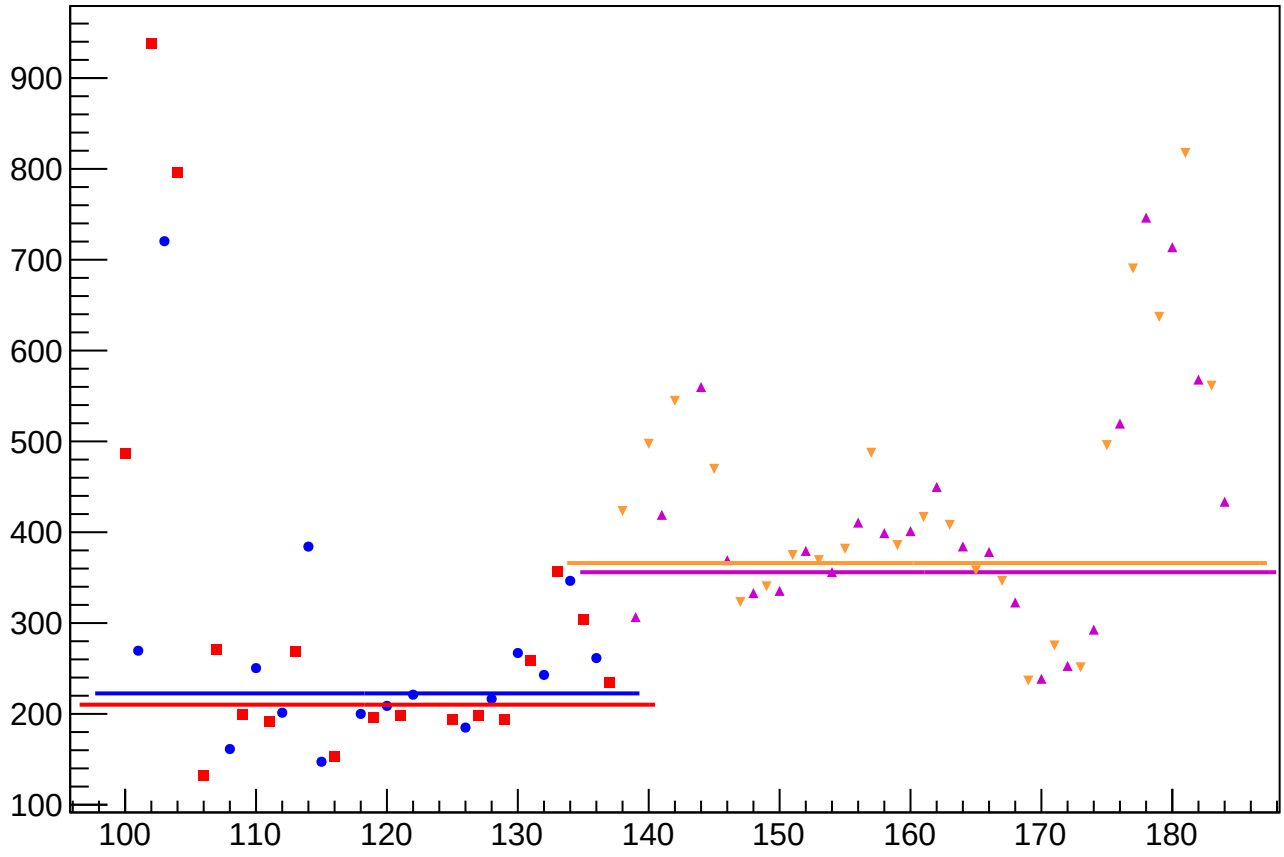
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.050+/-0.064 χ^2/NDF: 48.2/38

All: -0.009+/-0.044 χ^2/NDF: 106.1/79

- sign 0.030+/-0.062 χ^2/NDF: 57.1/40



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 366.072+/-0.064 χ^2/NDF:2834037.2/22

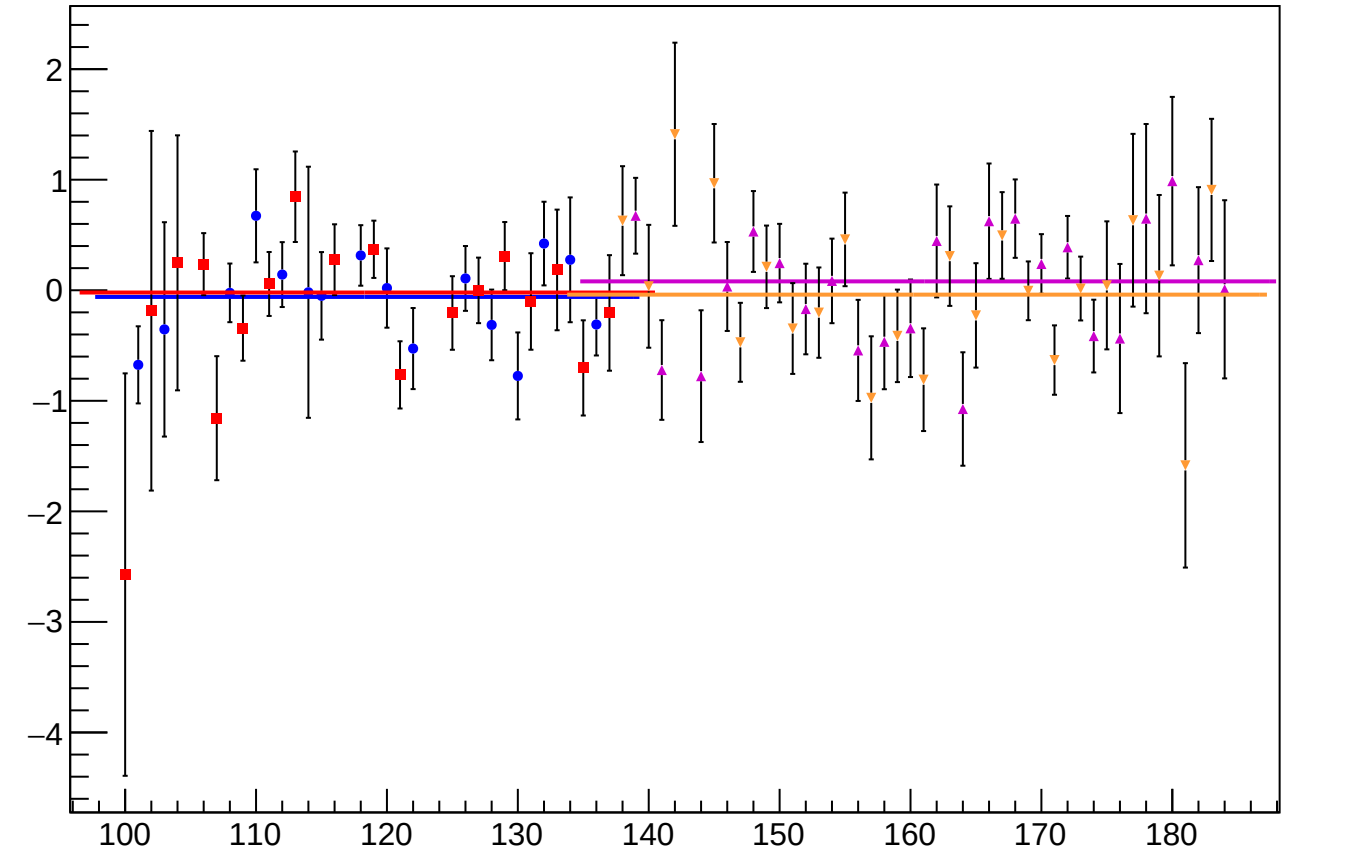
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.437+/-0.045 χ^2/NDF: 6403979.0/38

All: 287.486+/-0.031 χ^2/NDF: 13169801.9/79

- sign 282.776+/-0.044 χ^2/NDF: 6742101.6/40



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.040+/-0.091 χ^2/NDF:30.8/22

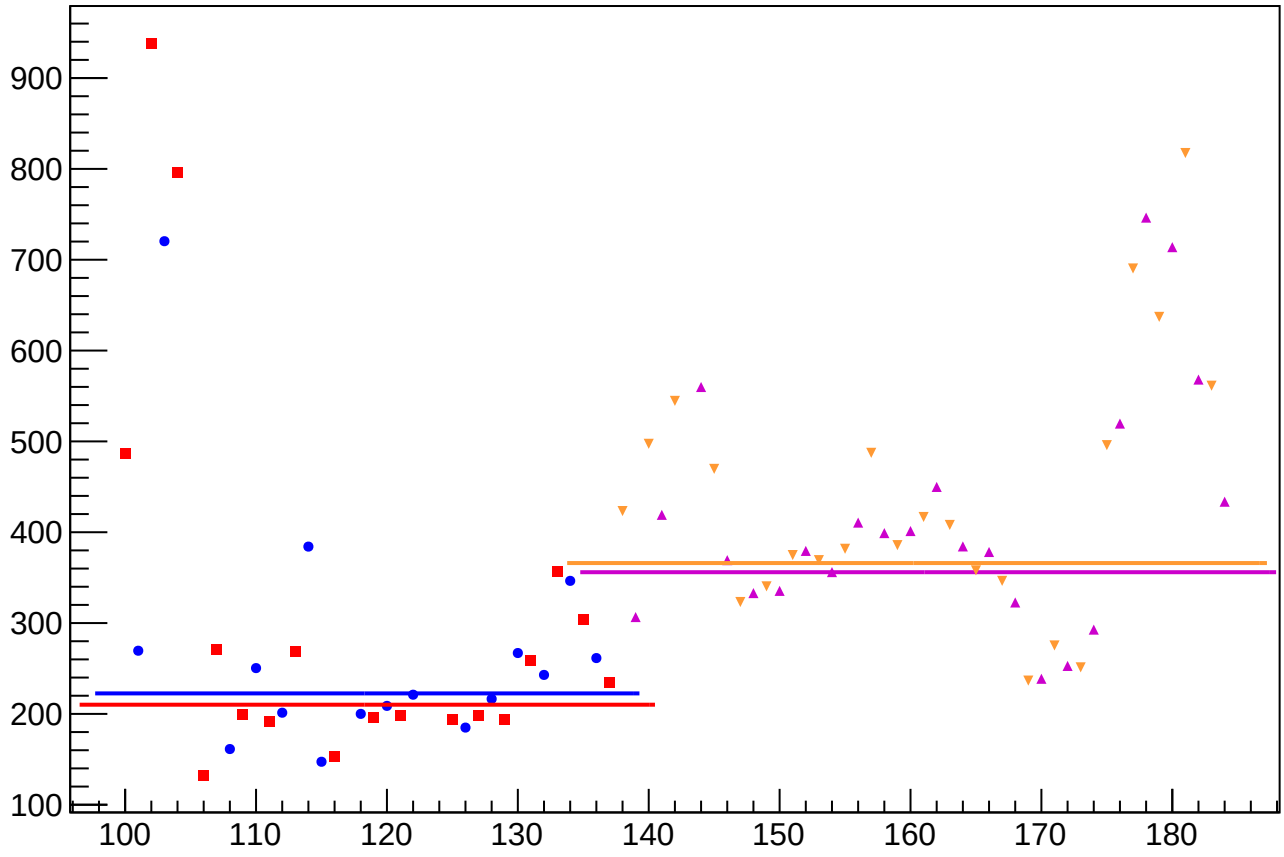
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.050+/-0.064 χ^2/NDF: 48.2/38

All: -0.009+/-0.044 χ^2/NDF: 106.1/79

- sign 0.030+/-0.062 χ^2/NDF: 57.1/40



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 366.072+/-0.064 χ^2/NDF:2834037.2/22

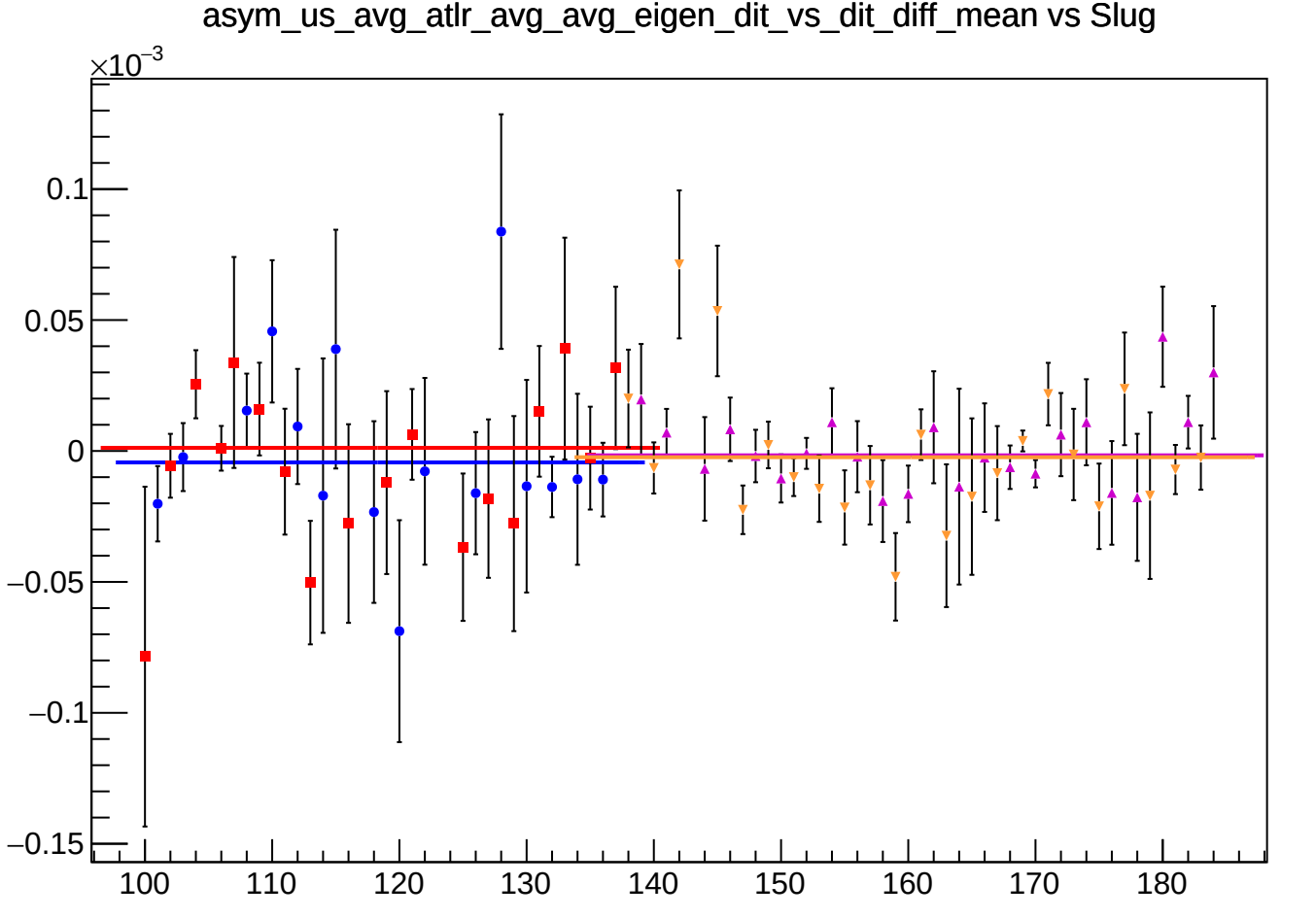
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.437+/-0.045 χ^2/NDF: 6403979.0/38

All: 287.486+/-0.031 χ^2/NDF: 13169801.9/79

- sign 282.776+/-0.044 χ^2/NDF: 6742101.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/22

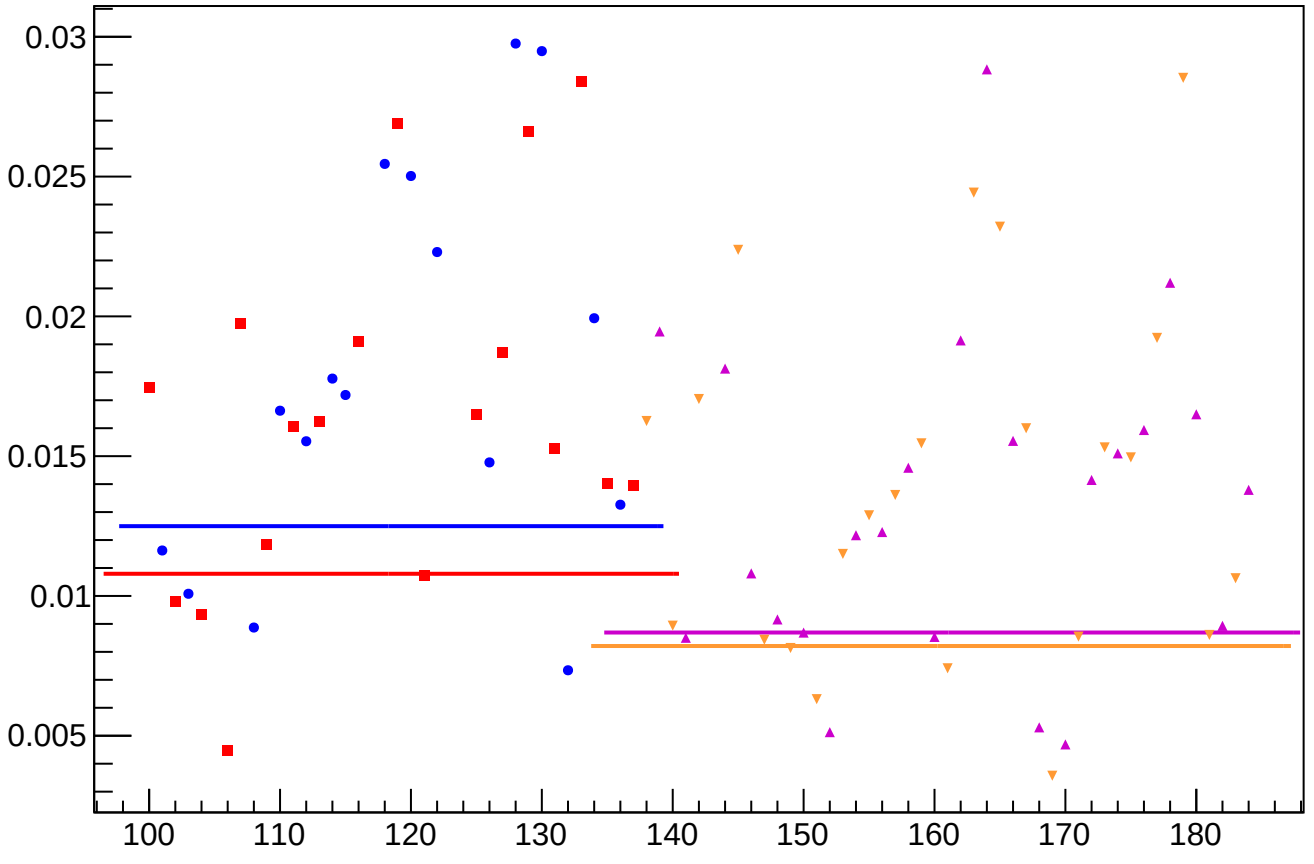
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.1/38

All: -0.000+/-0.000 χ^2/NDF: 96.7/79

- sign -0.000+/-0.000 χ^2/NDF: 38.2/40



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:8777298.7/22

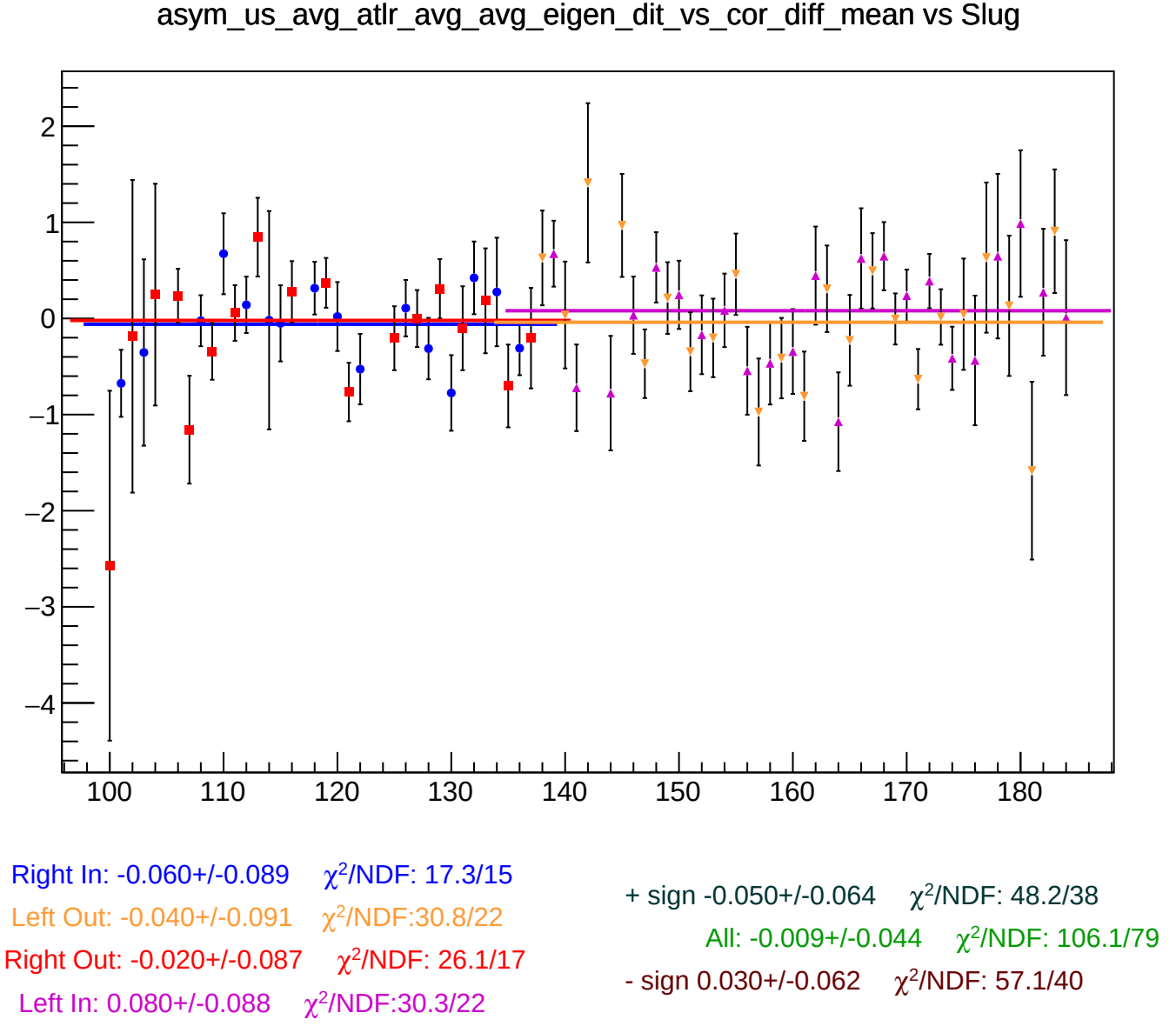
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

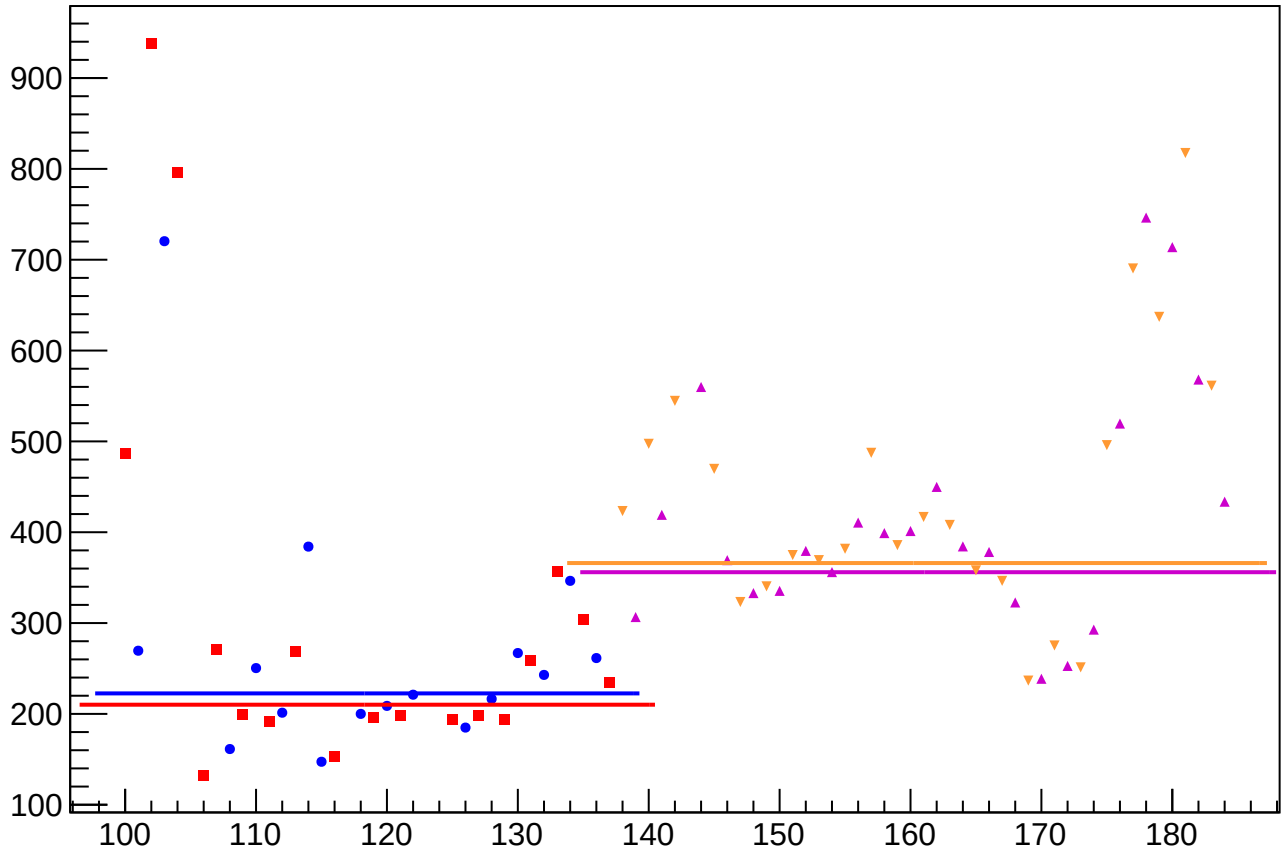
Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 12076797.6/38

All: 0.009+/-0.000 χ^2/NDF: 22281869.1/79

- sign 0.009+/-0.000 χ^2/NDF: 10195254.6/40


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: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.050+/-0.064 χ²/NDF: 48.2/38
All: -0.009+/-0.044 χ²/NDF: 106.1/79
- sign 0.030+/-0.062 χ²/NDF: 57.1/40



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 366.073+/-0.064 χ^2/NDF:2834255.3/22

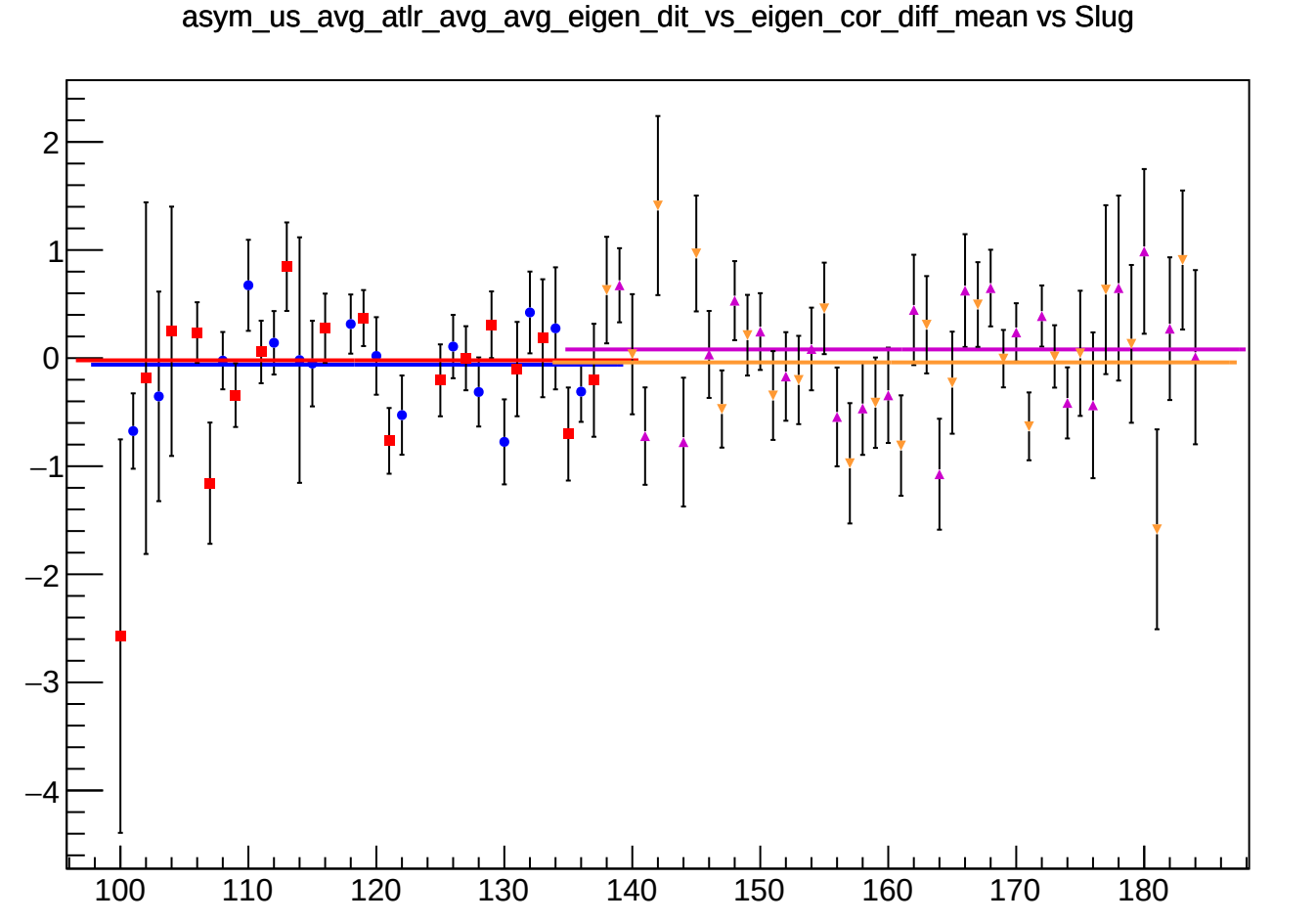
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.436+/-0.045 χ^2/NDF: 6404264.0/38

All: 287.484+/-0.031 χ^2/NDF: 13170404.2/79

- sign 282.774+/-0.044 χ^2/NDF: 6742417.2/40



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.040+/-0.091 χ^2/NDF:30.8/22

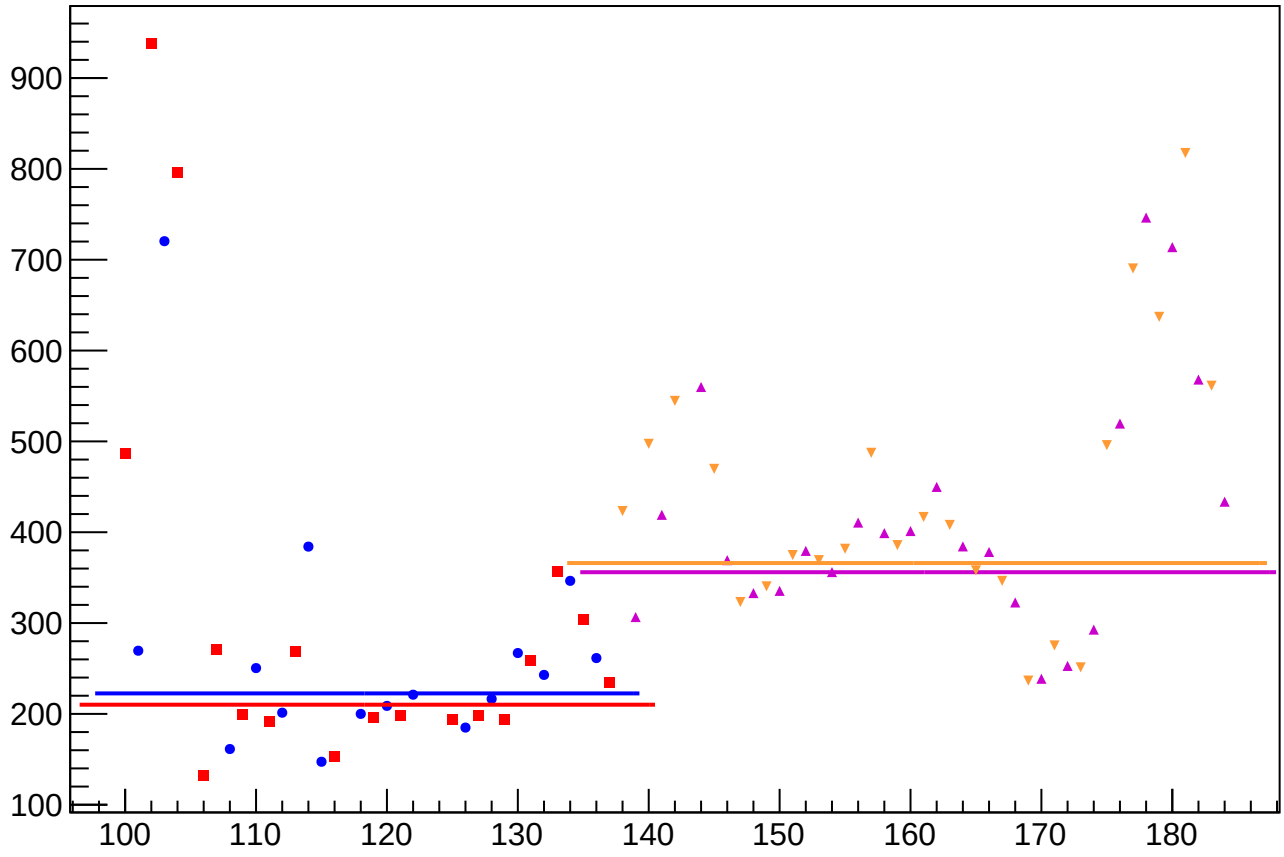
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.050+/-0.064 χ^2/NDF: 48.2/38

All: -0.009+/-0.044 χ^2/NDF: 106.1/79

- sign 0.030+/-0.062 χ^2/NDF: 57.1/40



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 366.073+/-0.064 χ^2/NDF:2834255.3/22

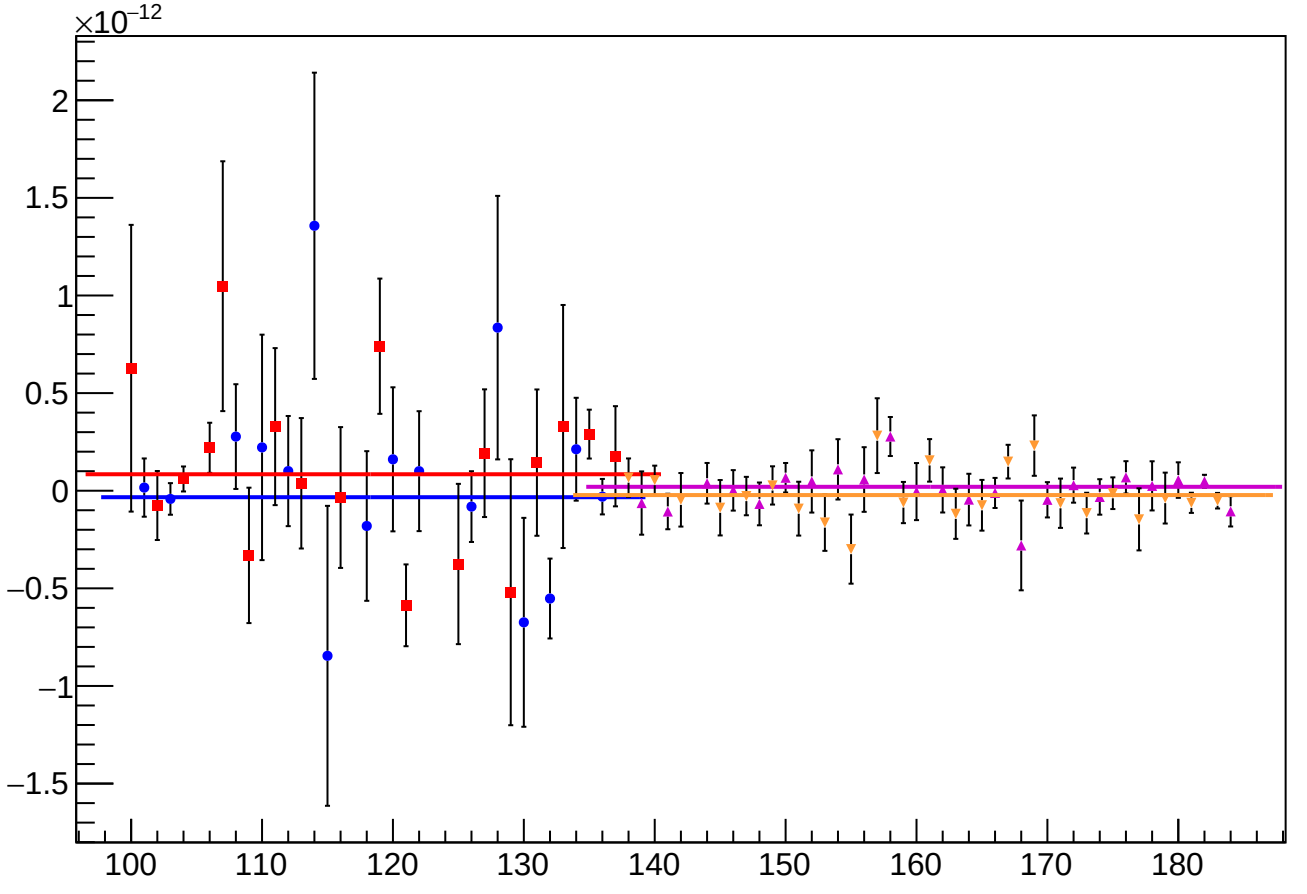
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.436+/-0.045 χ^2/NDF: 6404264.0/38

All: 287.484+/-0.031 χ^2/NDF: 13170404.2/79

- sign 282.774+/-0.044 χ^2/NDF: 6742417.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/22

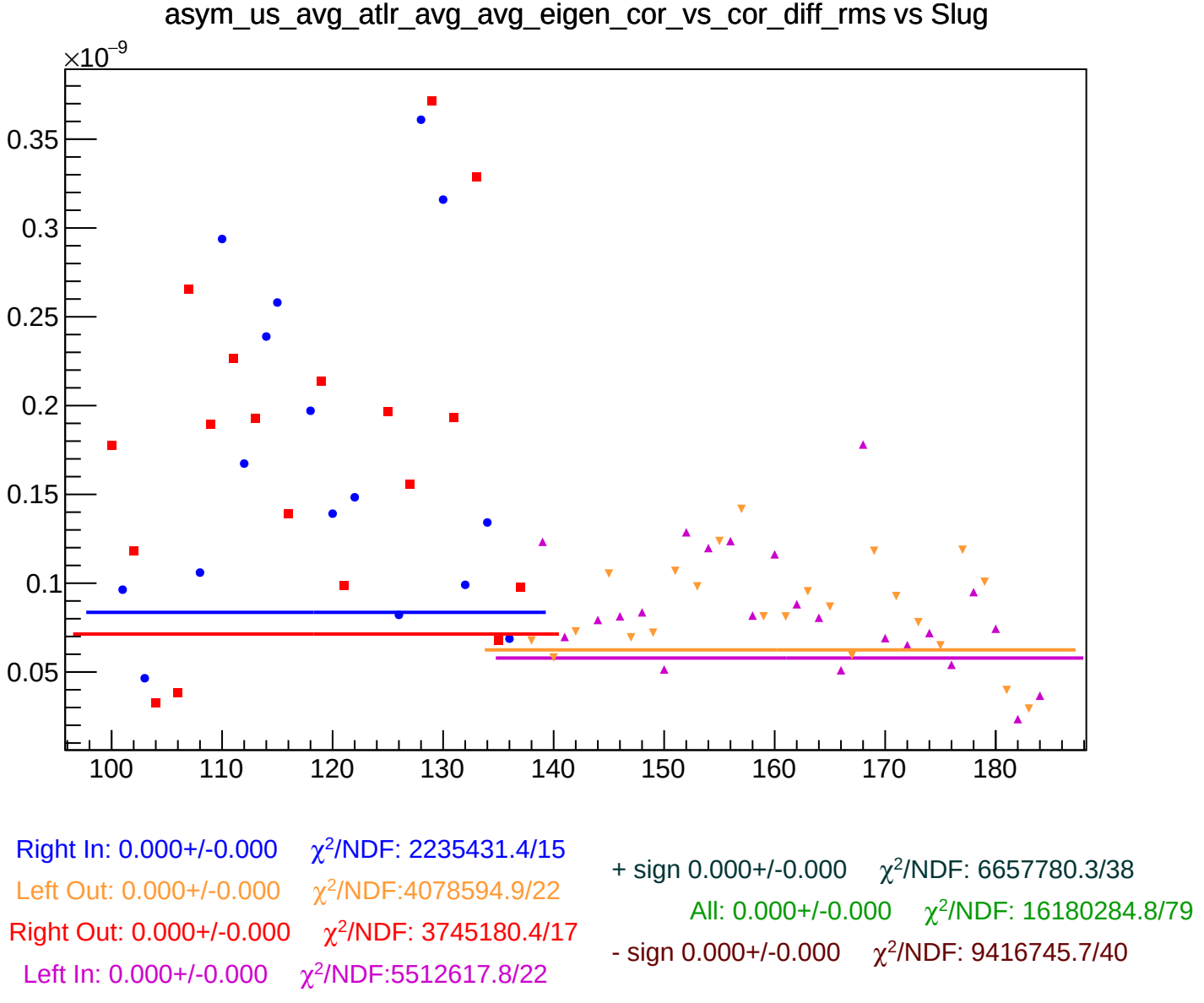
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

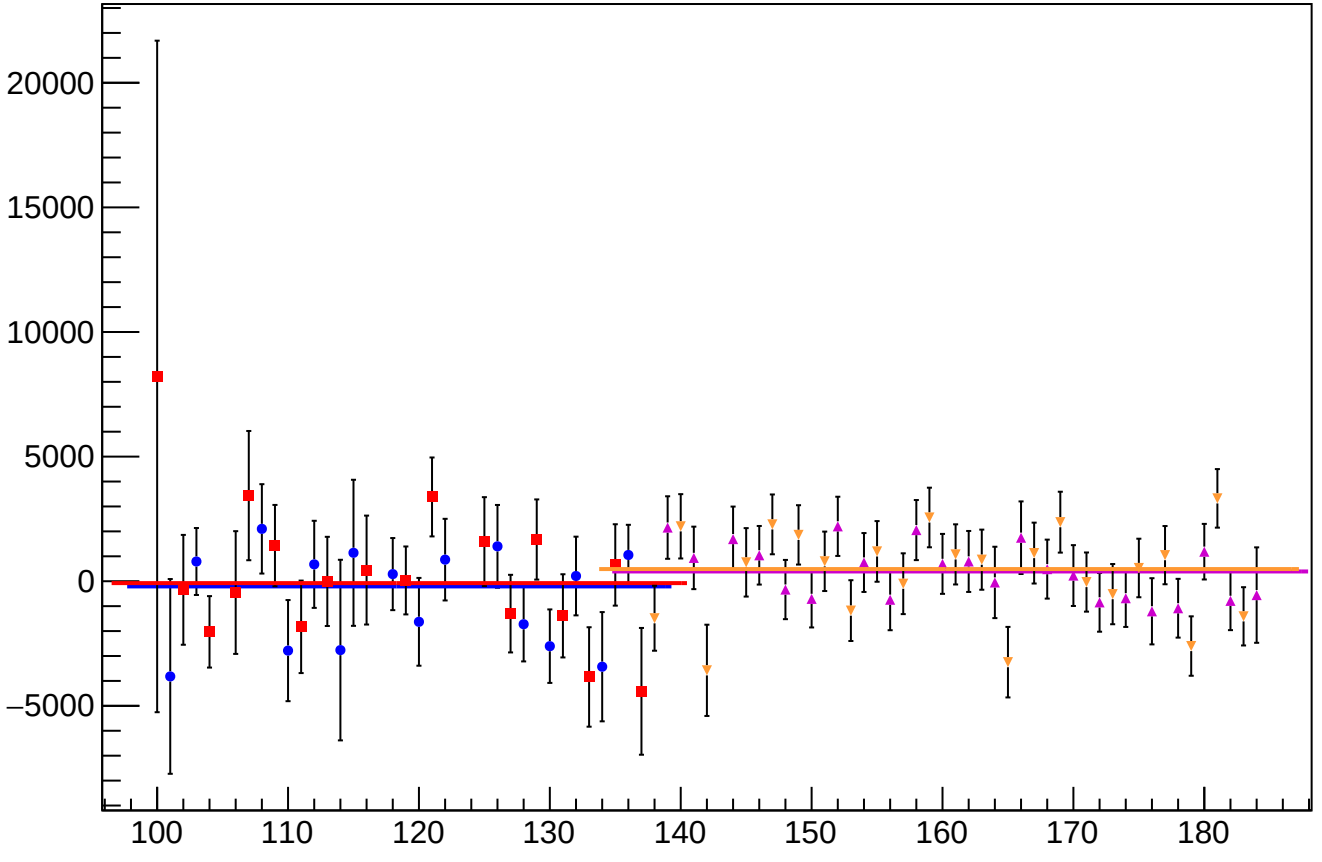
+ sign -0.000+/-0.000 χ^2/NDF: 38.6/38

All: 0.000+/-0.000 χ^2/NDF: 88.1/79

- sign 0.000+/-0.000 χ^2/NDF: 44.8/40


asym_us_avg_atlr_avg_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: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:4078594.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:5512617.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6657780.3/38
All: 0.000+/-0.000 χ²/NDF: 16180284.8/79
- sign 0.000+/-0.000 χ²/NDF: 9416745.7/40

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

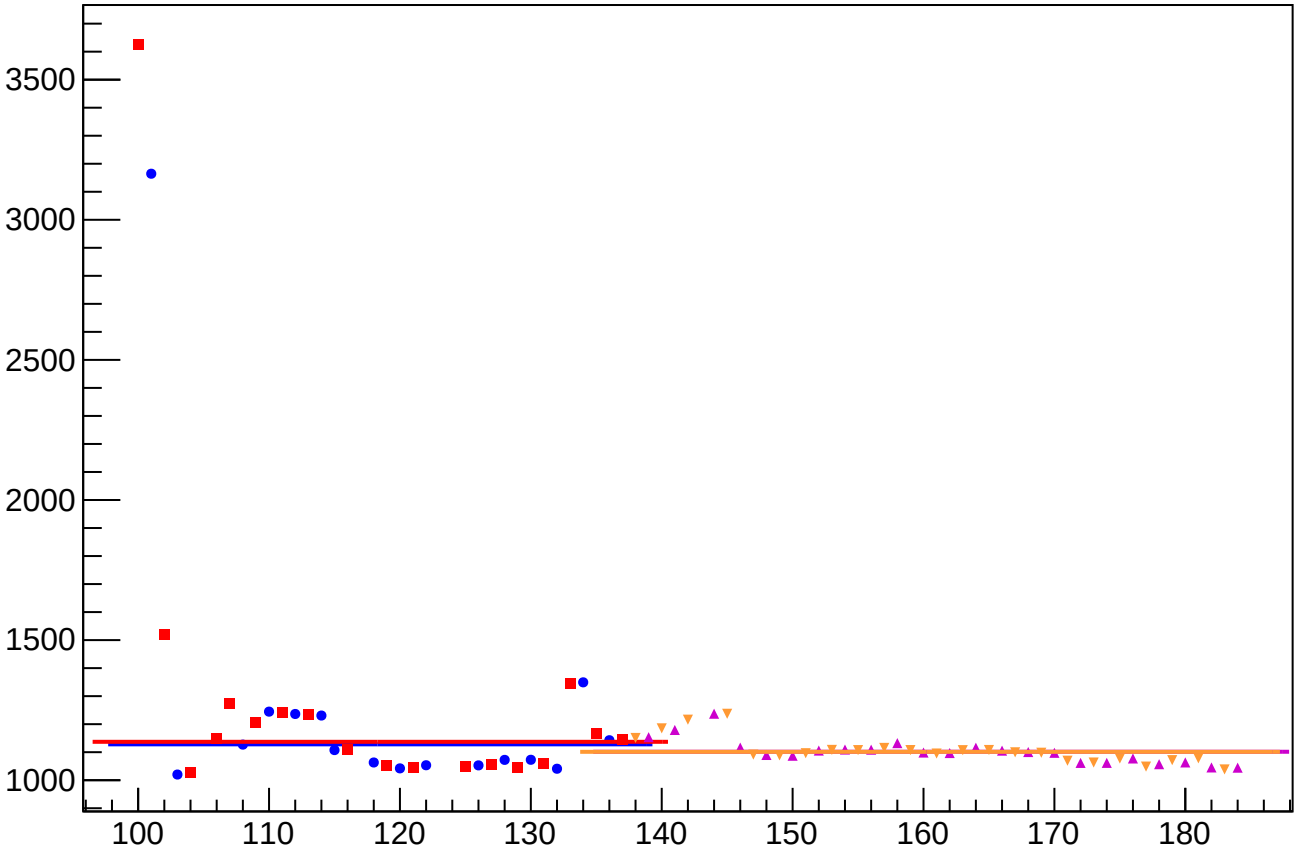
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 303.612+/-220.879 χ^2/NDF: 61.0/38

All: 286.188+/-156.210 χ^2/NDF: 100.4/79

- sign 268.753+/-220.949 χ^2/NDF: 39.3/40

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

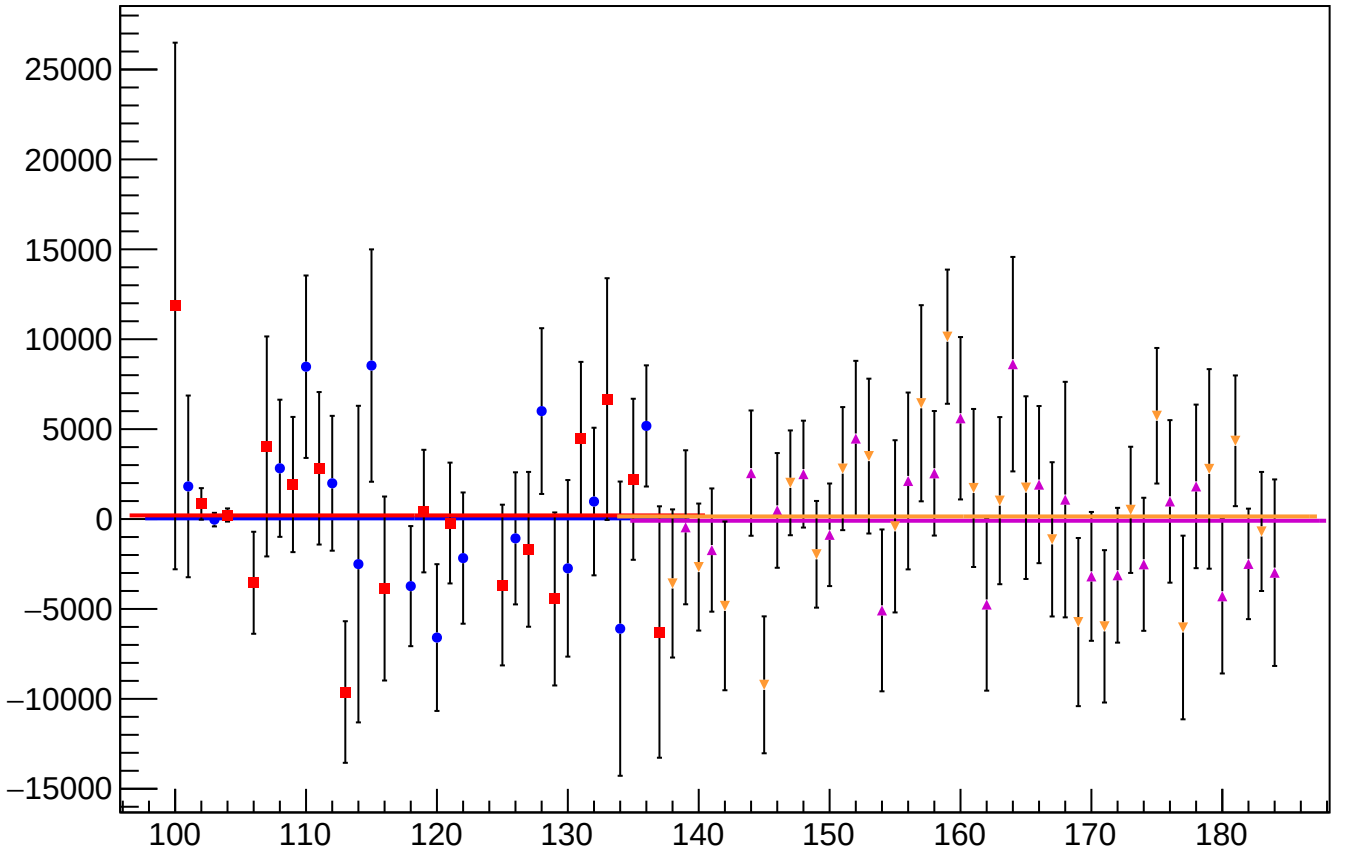
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.386+/-0.156 χ^2/NDF: 682896.4/38

All: 1109.642+/-0.110 χ^2/NDF: 965301.1/79

- sign 1110.898+/-0.156 χ^2/NDF: 282275.3/40



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 143.903+/-828.962 χ^2/NDF:28.6/22

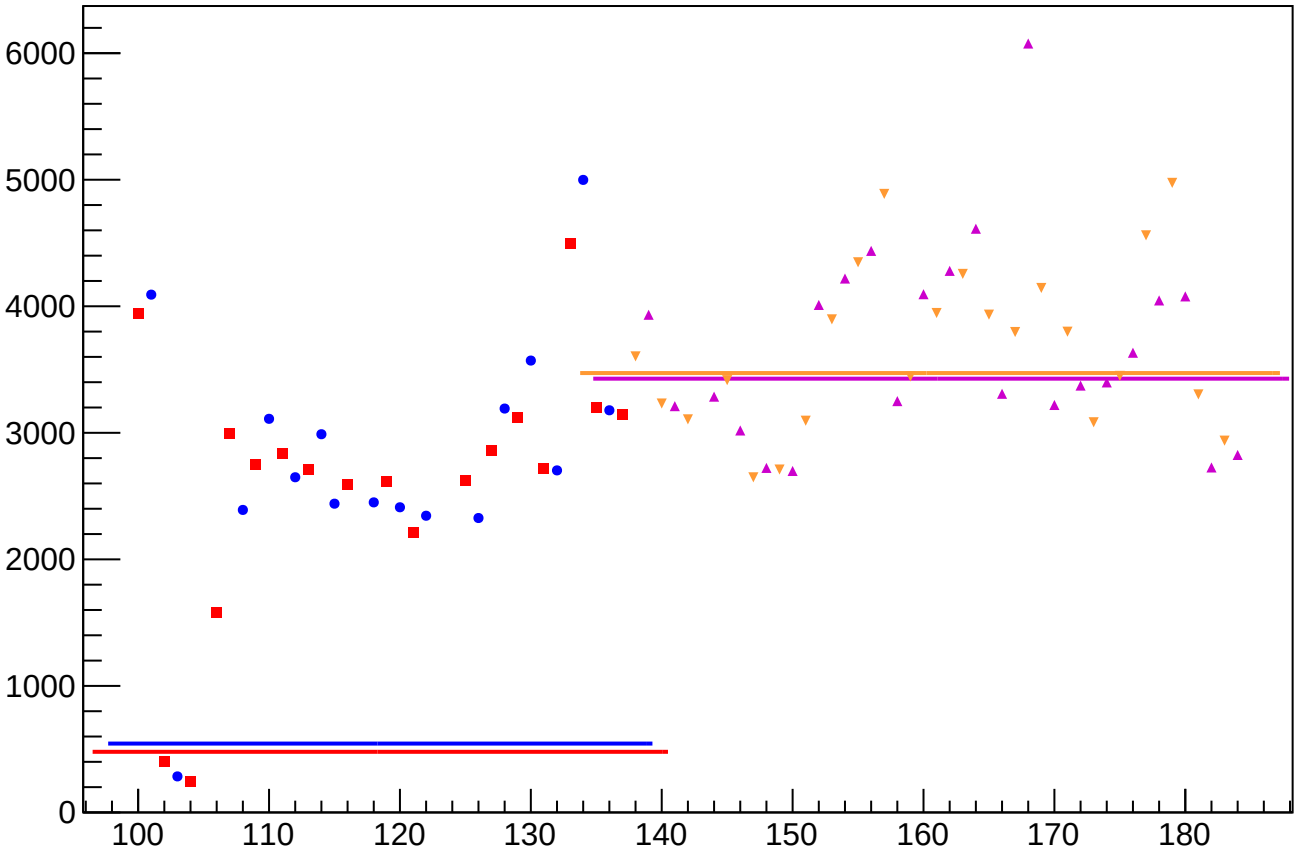
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 54.873+/-328.391 χ^2/NDF: 43.5/38

All: 113.097+/-221.499 χ^2/NDF: 72.9/79

- sign 161.696+/-300.022 χ^2/NDF: 29.4/40



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

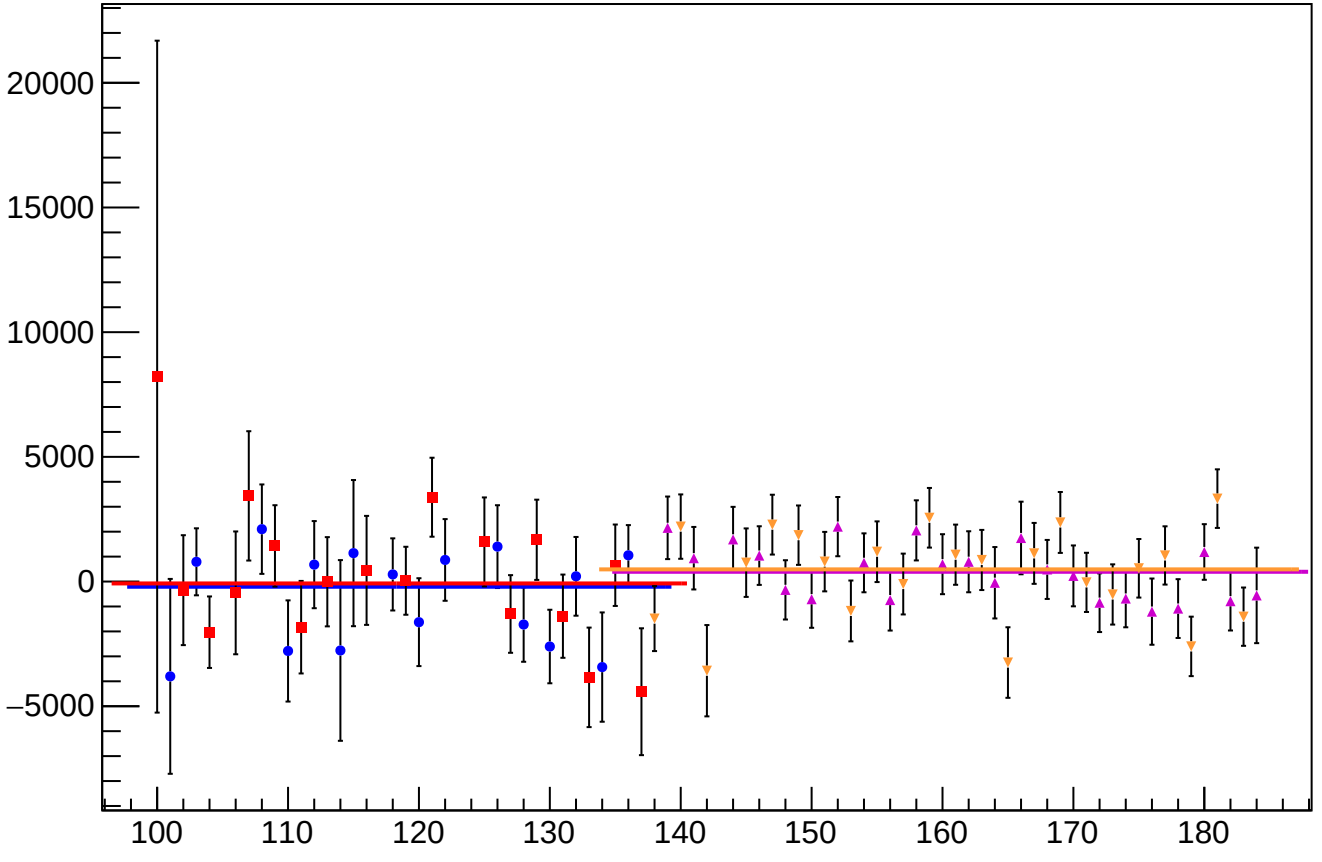
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1003.829+/-0.232 χ^2/NDF: 31759856.8/38

All: 934.519+/-0.157 χ^2/NDF: 64881746.0/79

- sign 876.666+/-0.212 χ^2/NDF: 32958430.3/40

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

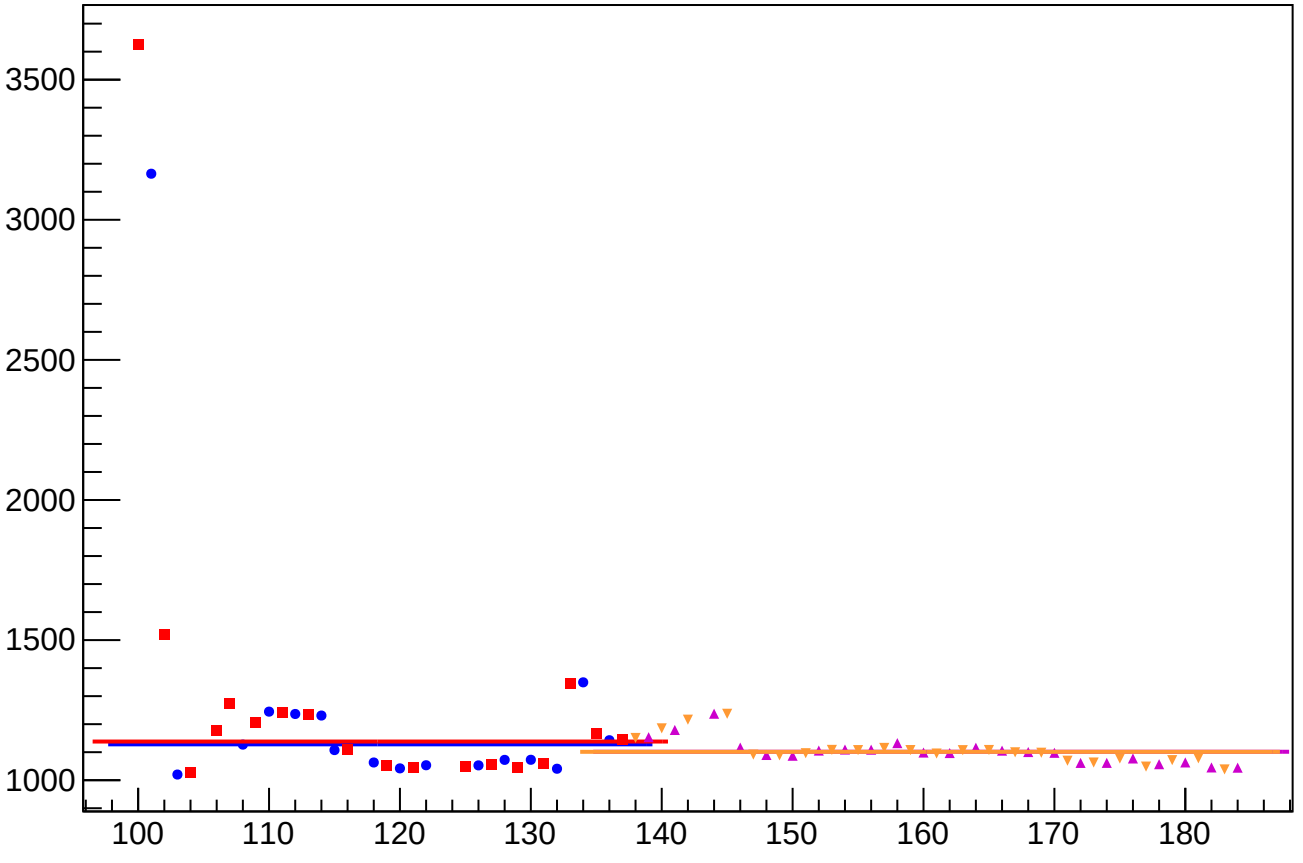
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 303.732+/-220.879 χ^2/NDF: 61.0/38

All: 286.224+/-156.210 χ^2/NDF: 100.4/79

- sign 268.705+/-220.949 χ^2/NDF: 39.3/40

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

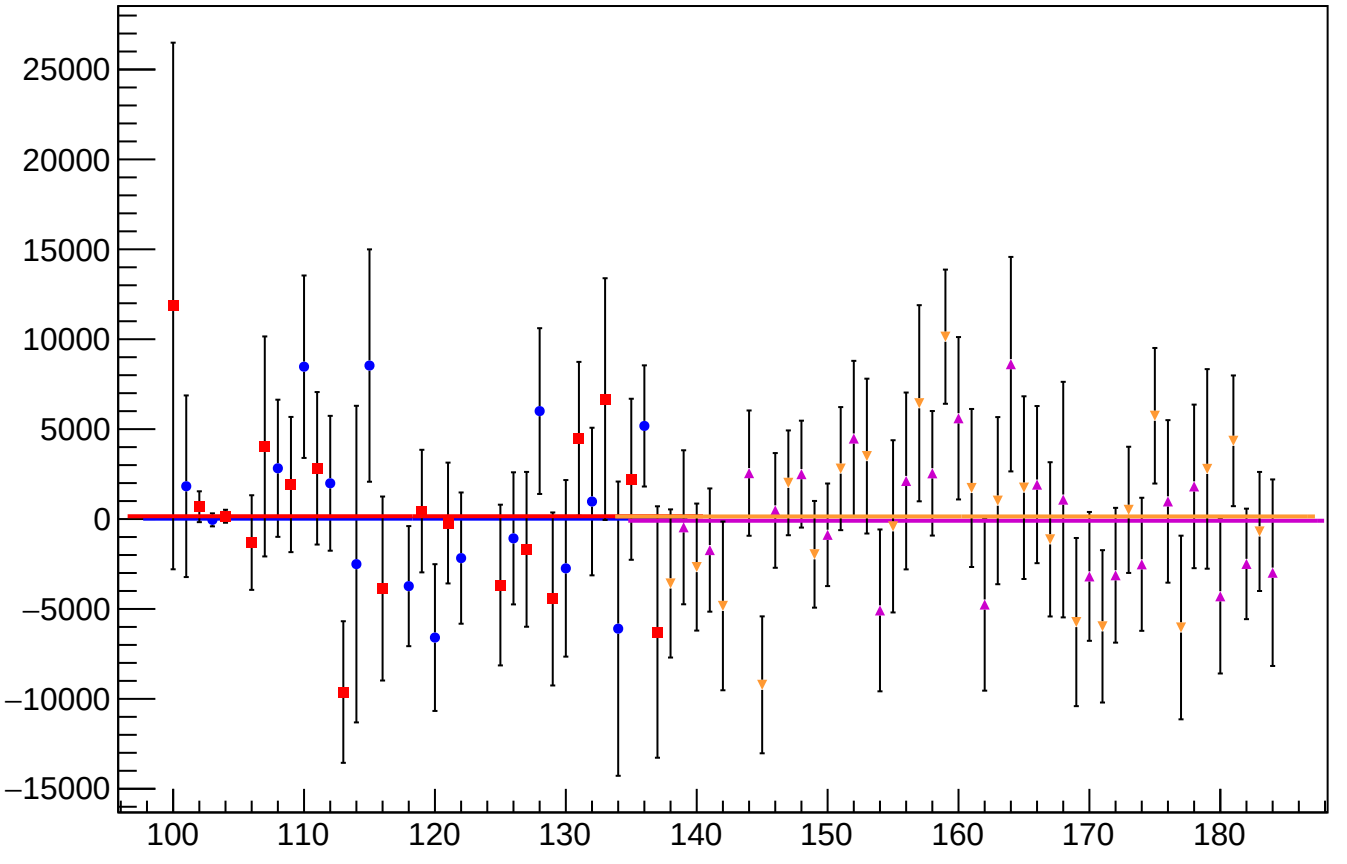
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.385+/-0.156 χ^2/NDF: 682897.4/38

All: 1109.759+/-0.110 χ^2/NDF: 966395.4/79

- sign 1111.133+/-0.156 χ^2/NDF: 283343.3/40



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 143.941+/-828.963 χ^2/NDF:28.6/22

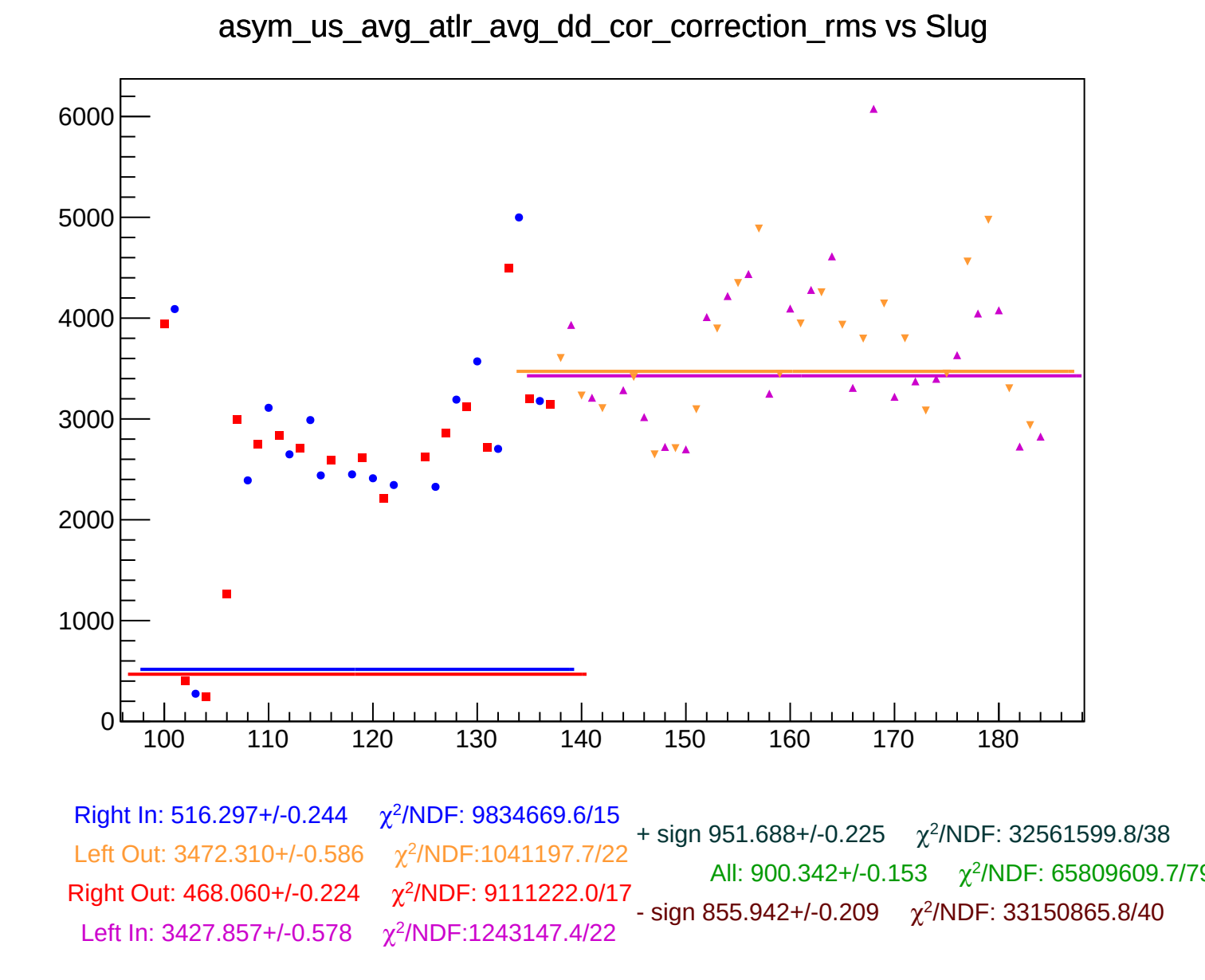
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

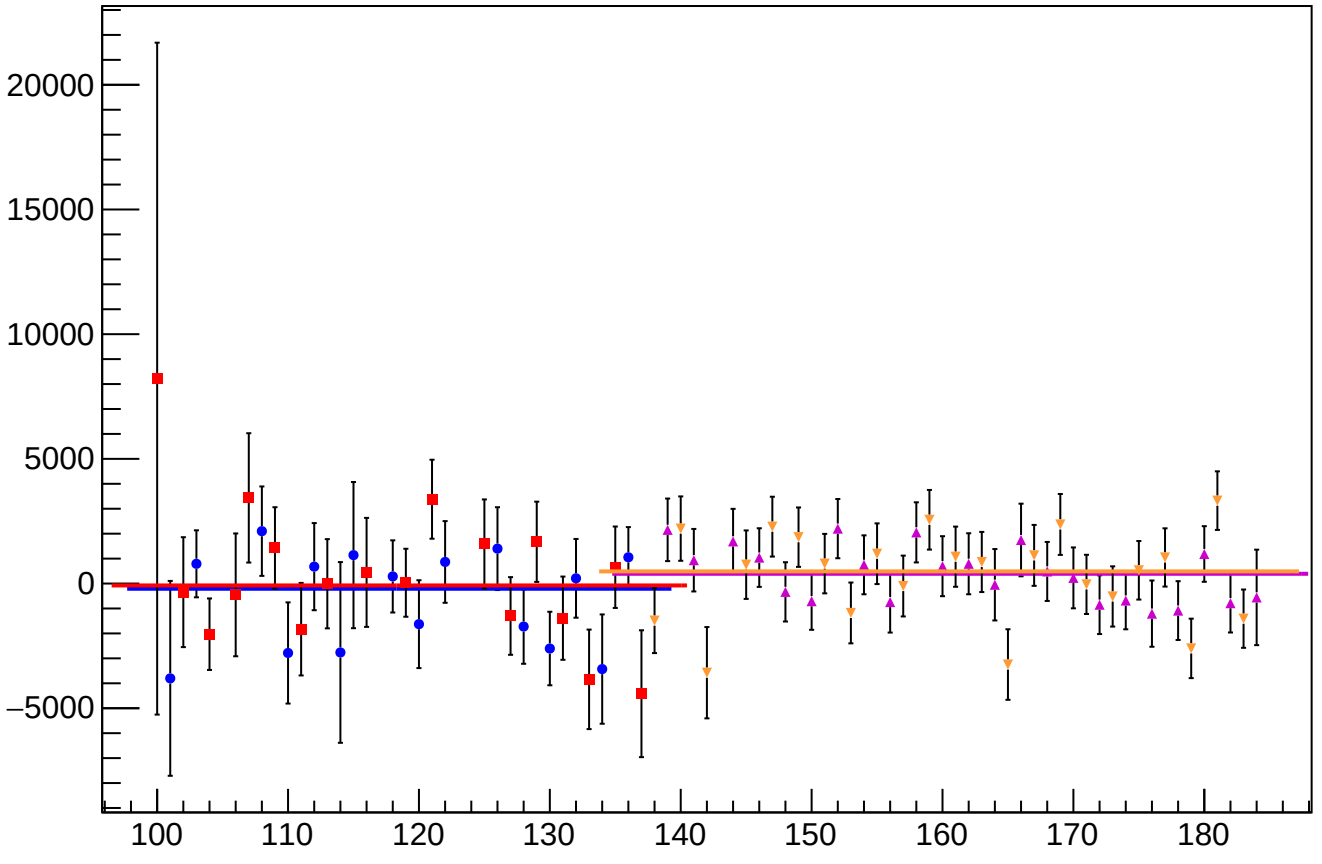
Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 39.658+/-318.143 χ^2/NDF: 43.5/38

All: 84.535+/-216.647 χ^2/NDF: 71.3/79

\- sign 123.341+/-295.842 χ^2/NDF: 27.7/40


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: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 951.688+/-0.225 χ²/NDF: 32561599.8/38
All: 900.342+/-0.153 χ²/NDF: 65809609.7/79
- sign 855.942+/-0.209 χ²/NDF: 33150865.8/40



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 488.178+/-257.621 χ^2/NDF:44.3/22

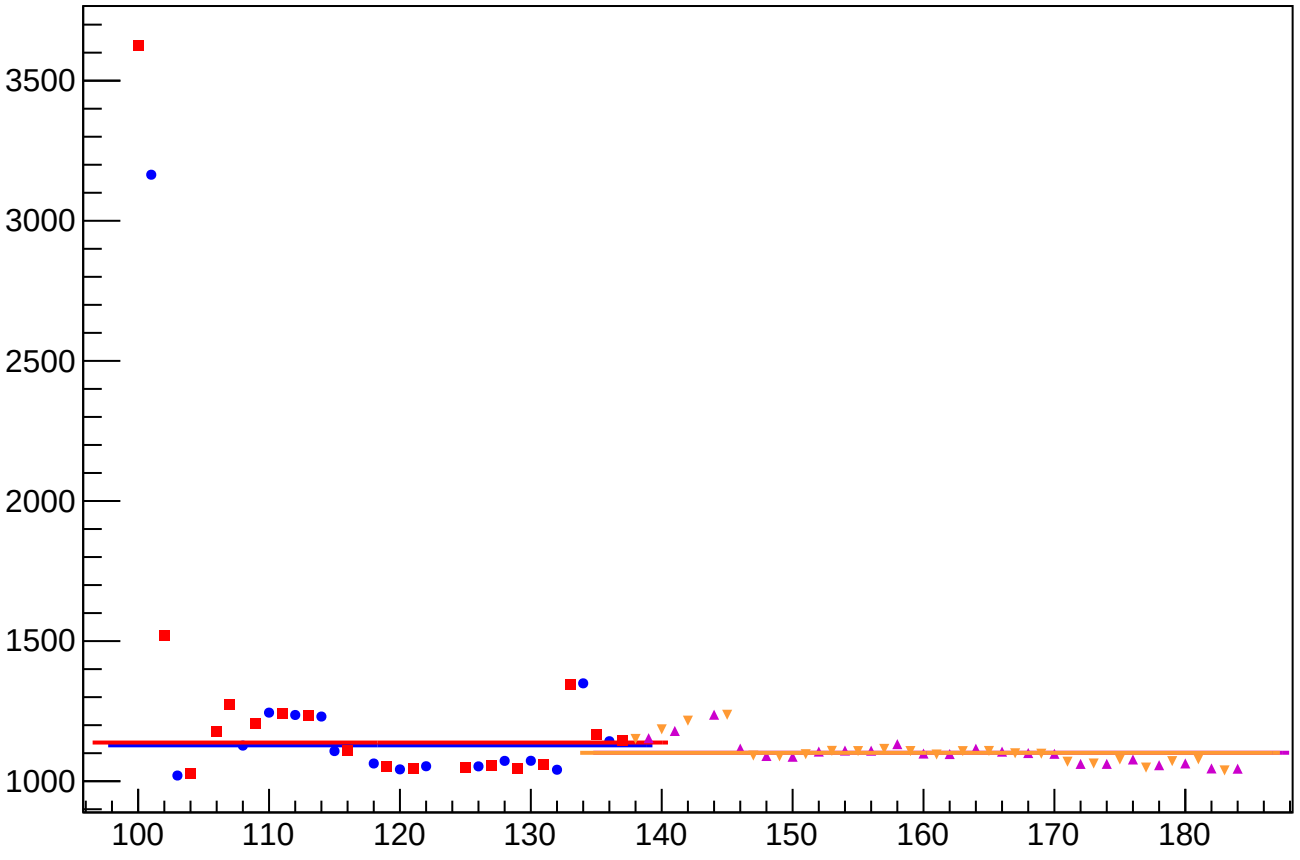
Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 303.732+/-220.879 χ^2/NDF: 61.0/38

All: 286.224+/-156.210 χ^2/NDF: 100.4/79

- sign 268.705+/-220.949 χ^2/NDF: 39.3/40



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1101.315+/-0.182 χ^2/NDF:55814.2/22

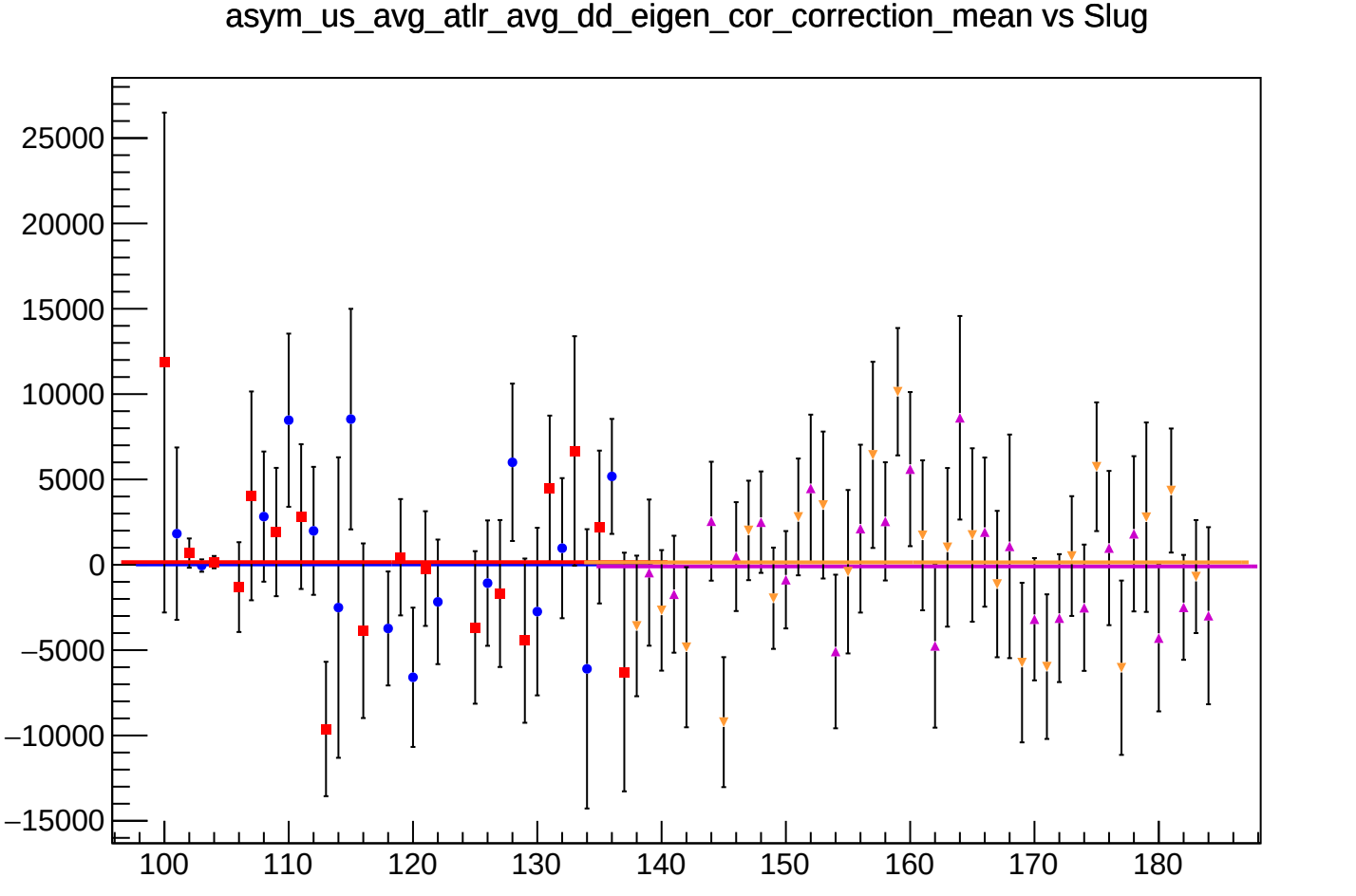
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.385+/-0.156 χ^2/NDF: 682897.4/38

All: 1109.759+/-0.110 χ^2/NDF: 966395.4/79

- sign 1111.133+/-0.156 χ^2/NDF: 283343.3/40



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 143.941+/-828.963 χ^2/NDF:28.6/22

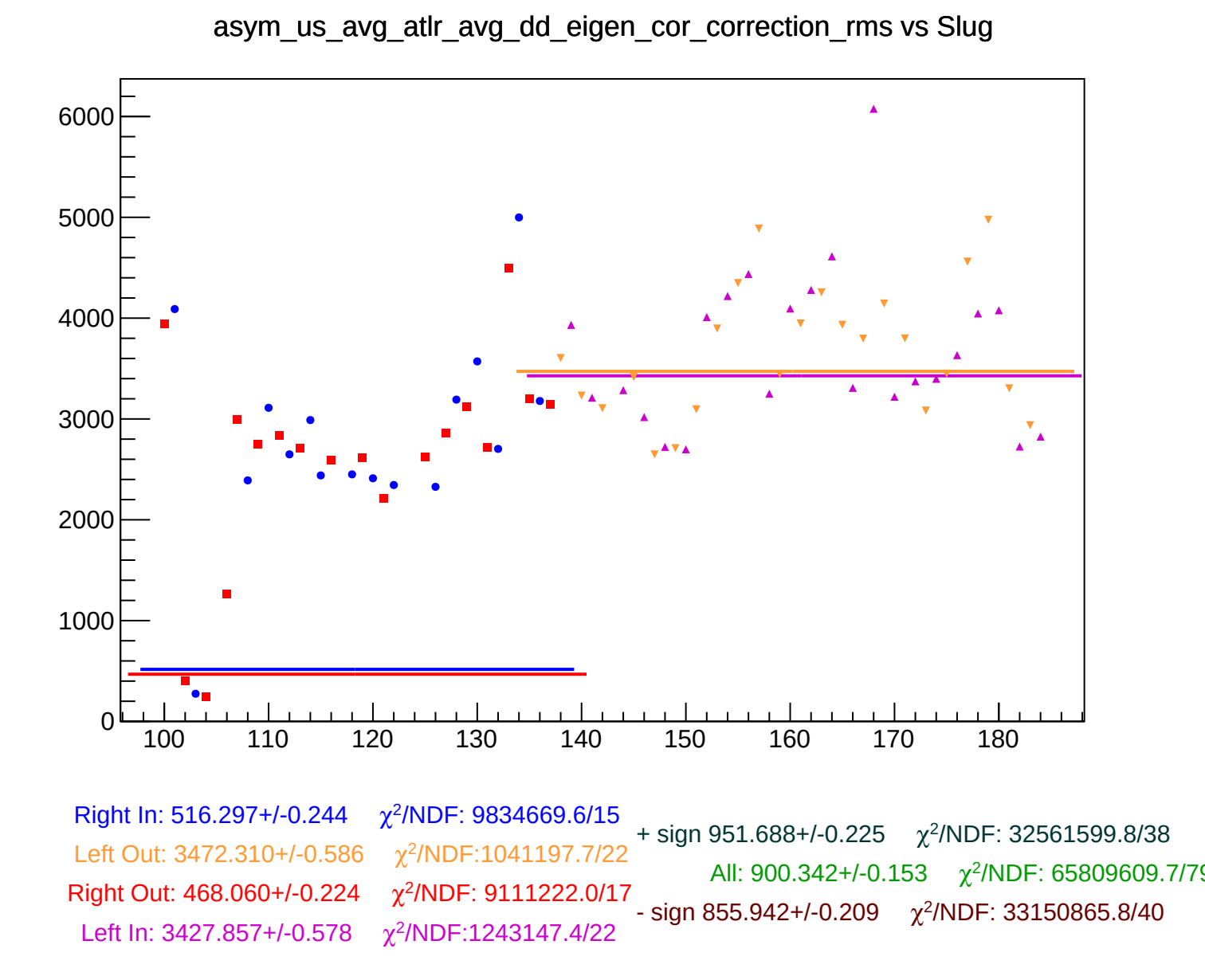
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 39.658+/-318.143 χ^2/NDF: 43.5/38

All: 84.535+/-216.647 χ^2/NDF: 71.3/79

- sign 123.341+/-295.842 χ^2/NDF: 27.7/40


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug
6000
5000
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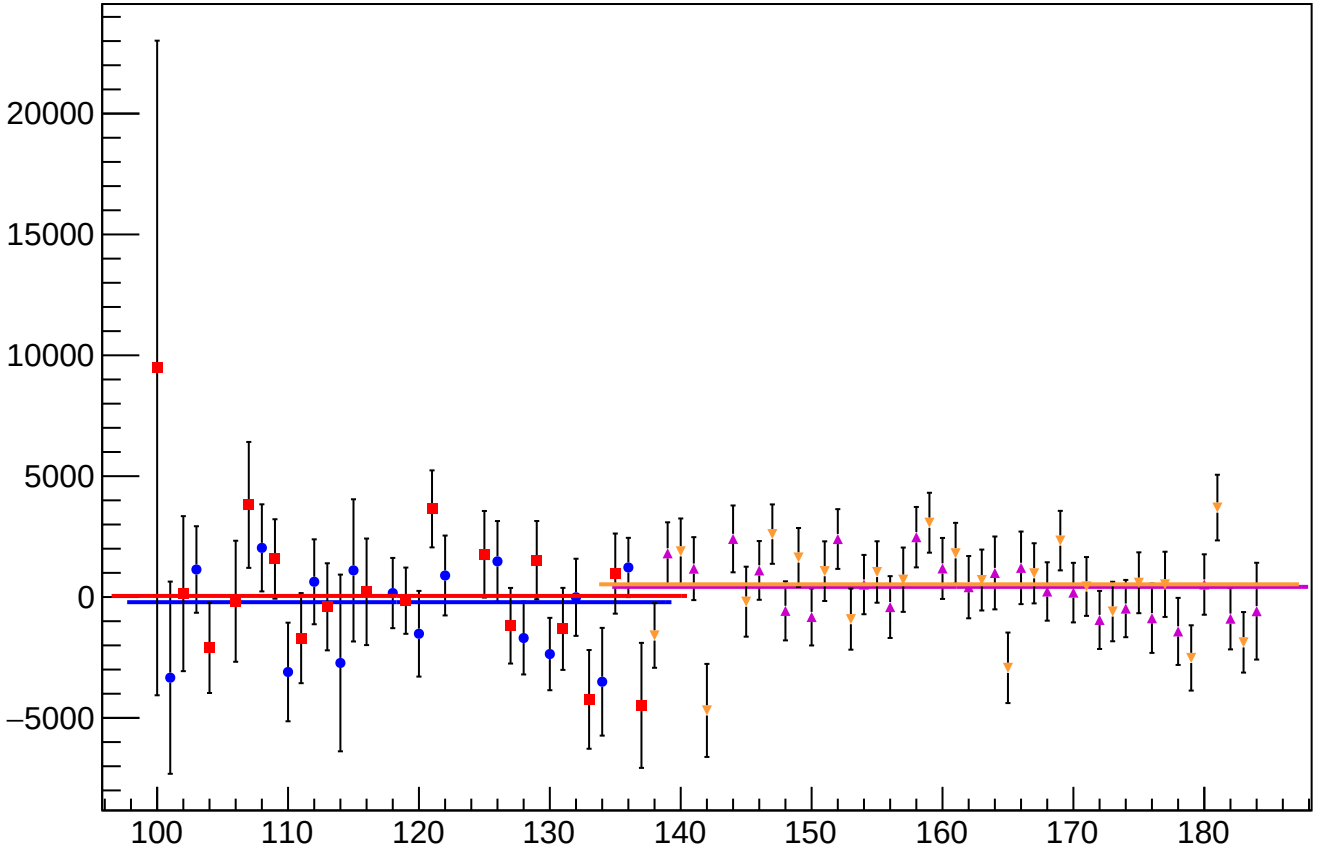
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3472.310+/-0.586 χ²/NDF:1041197.7/22
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 951.688+/-0.225 χ²/NDF: 32561599.8/38
All: 900.342+/-0.153 χ²/NDF: 65809609.7/79
- sign 855.942+/-0.209 χ²/NDF: 33150865.8/40

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

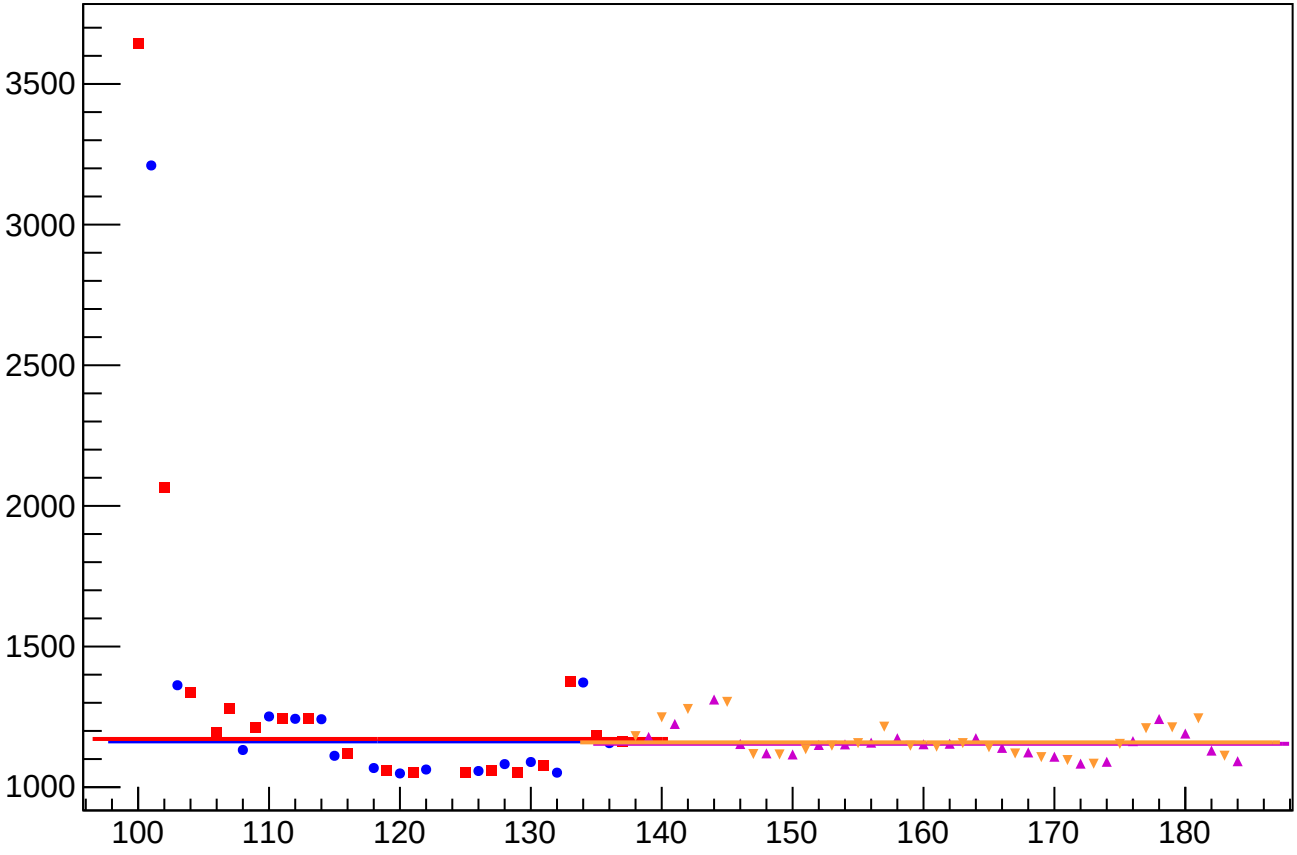
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 324.240+/-231.362 χ^2/NDF: 61.1/38

All: 322.528+/-163.479 χ^2/NDF: 101.2/79

- sign 320.821+/-231.026 χ^2/NDF: 40.2/40

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

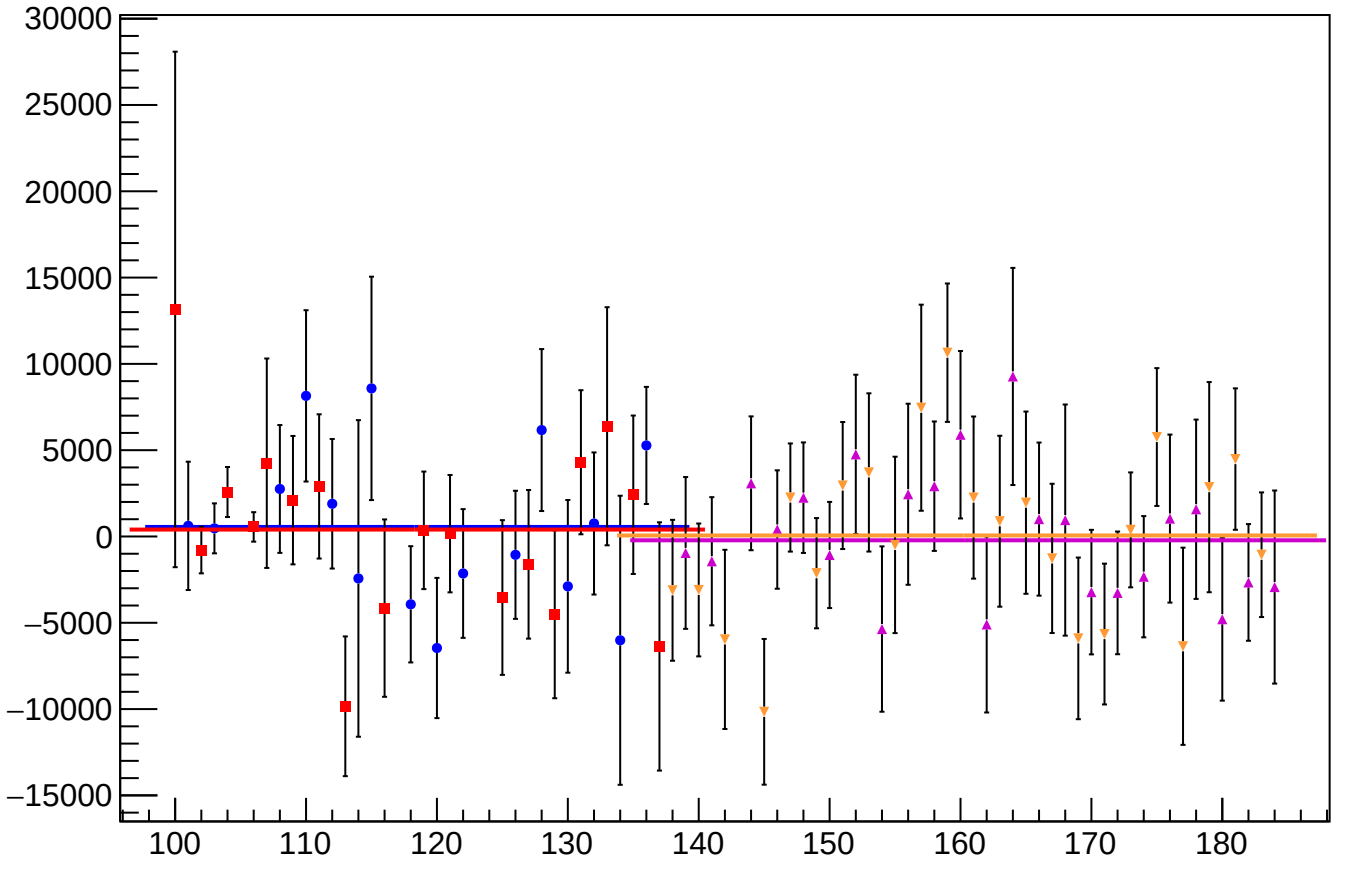
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1160.294+/-0.164 χ^2/NDF: 717276.8/38

All: 1159.556+/-0.116 χ^2/NDF: 1117603.0/79

- sign 1158.821+/-0.163 χ^2/NDF: 400285.6/40



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 59.235+/-877.482 χ^2/NDF:28.1/22

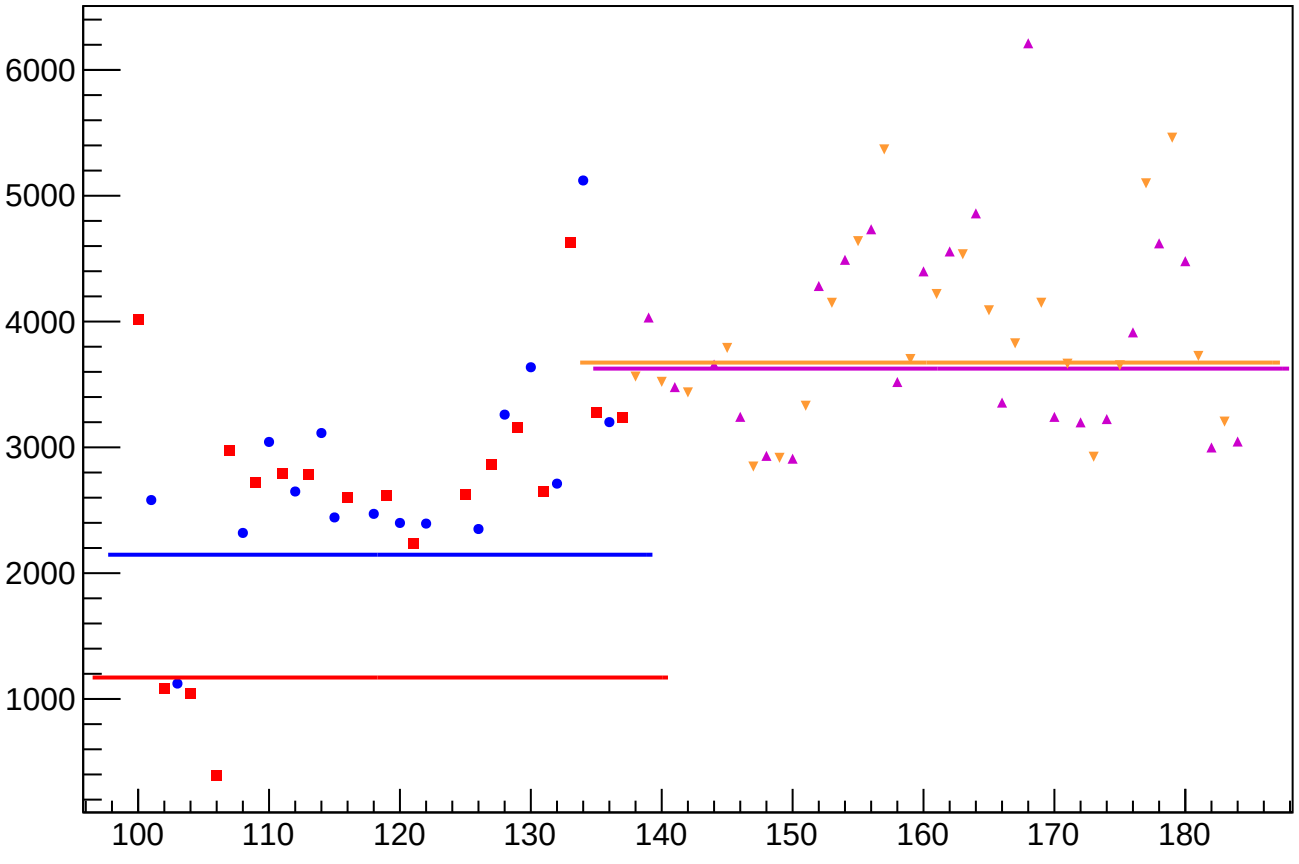
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 306.821+/-619.284 χ^2/NDF: 42.6/38

All: 248.253+/-376.152 χ^2/NDF: 73.1/79

- sign 214.013+/-473.506 χ^2/NDF: 30.4/40



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3673.880+/-0.620 χ^2/NDF:1088160.3/22

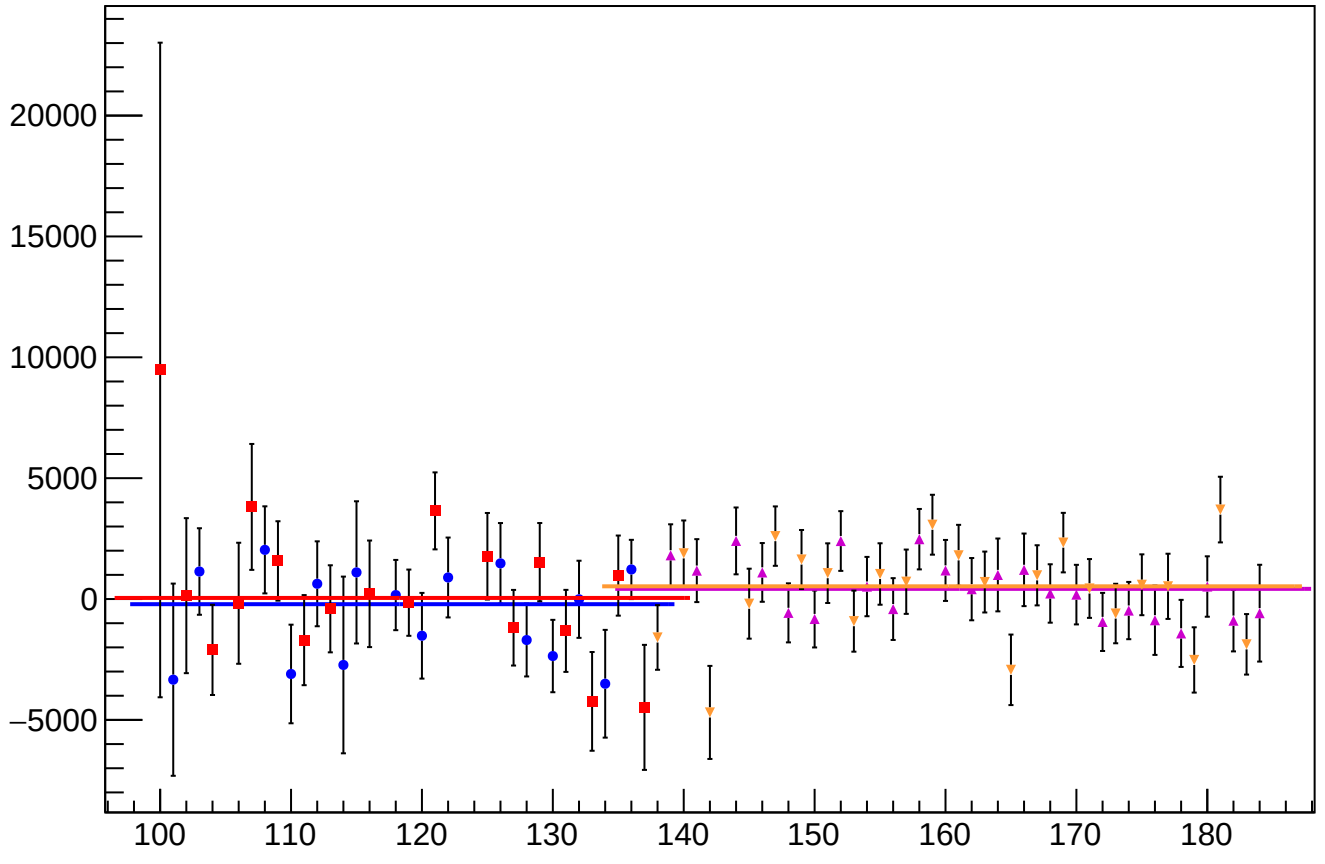
Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2907.324+/-0.438 χ^2/NDF: 6103851.1/38

All: 2275.872+/-0.266 χ^2/NDF: 27763702.4/7

- sign 1906.714+/-0.335 χ^2/NDF: 18364855.8/40



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

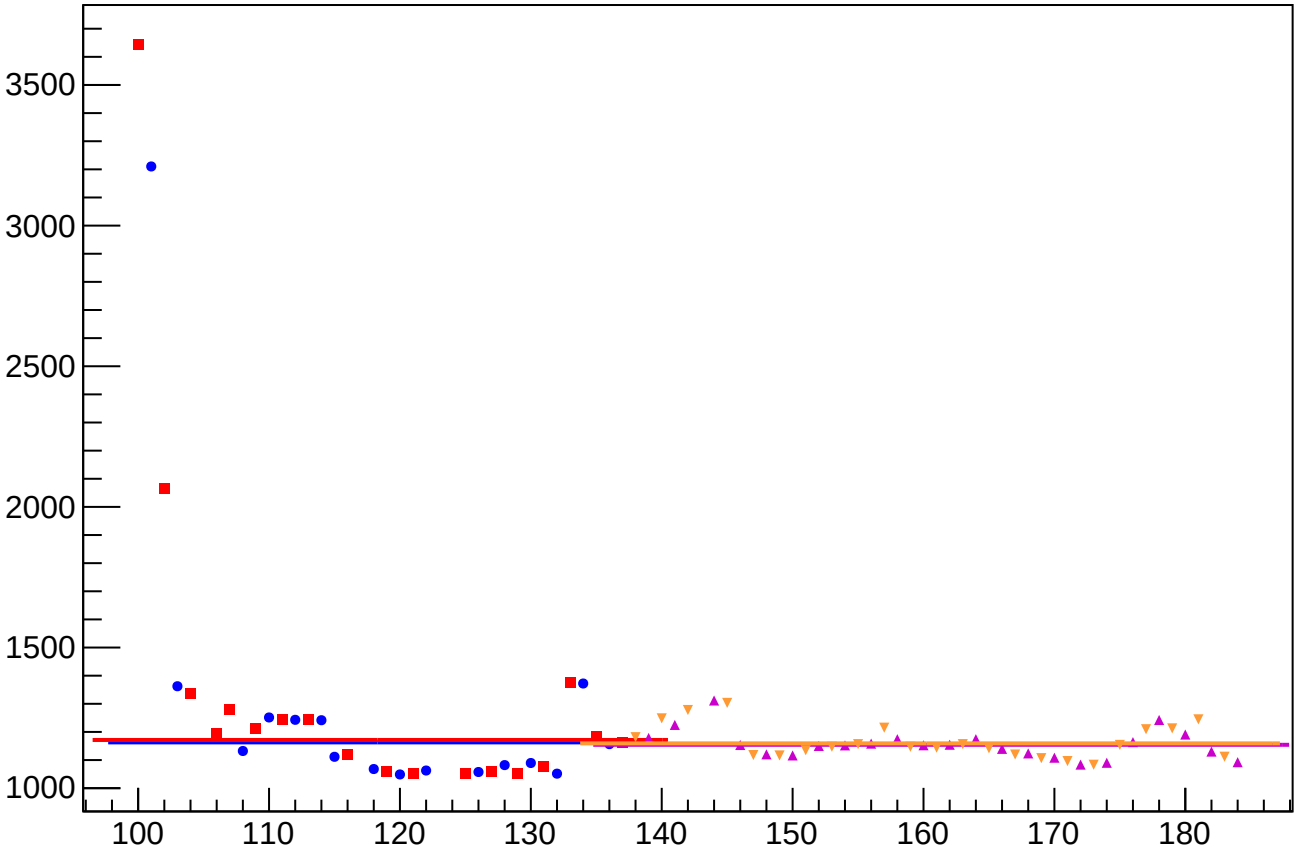
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 324.240+/-231.362 χ^2/NDF: 61.1/38

All: 322.528+/-163.479 χ^2/NDF: 101.2/79

- sign 320.821+/-231.026 χ^2/NDF: 40.2/40

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

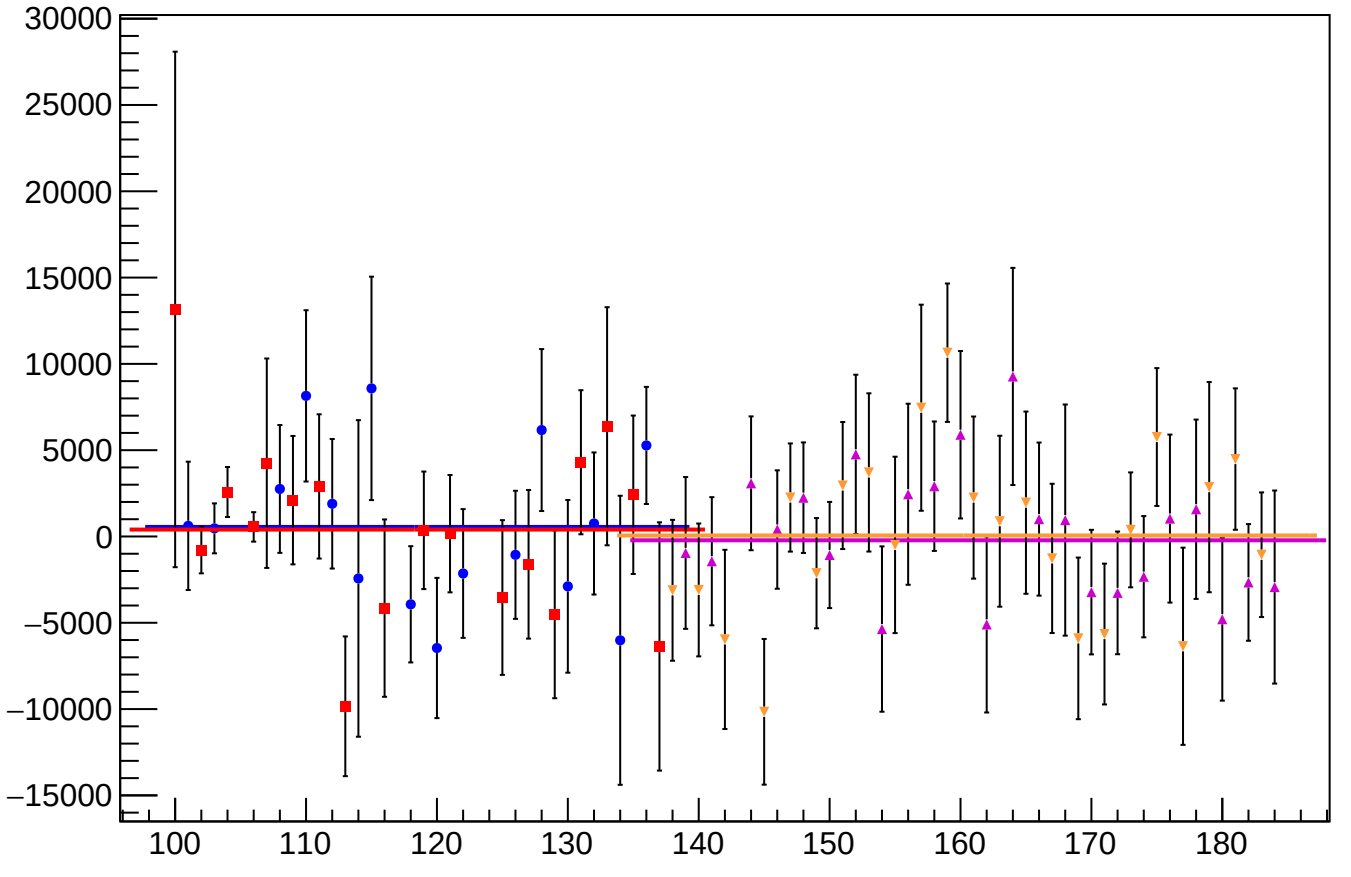
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1160.295+/-0.164 χ^2/NDF: 717279.5/38

All: 1159.557+/-0.116 χ^2/NDF: 1117607.5/79

- sign 1158.822+/-0.163 χ^2/NDF: 400287.5/40



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 59.234+/-877.483 χ^2/NDF:28.1/22

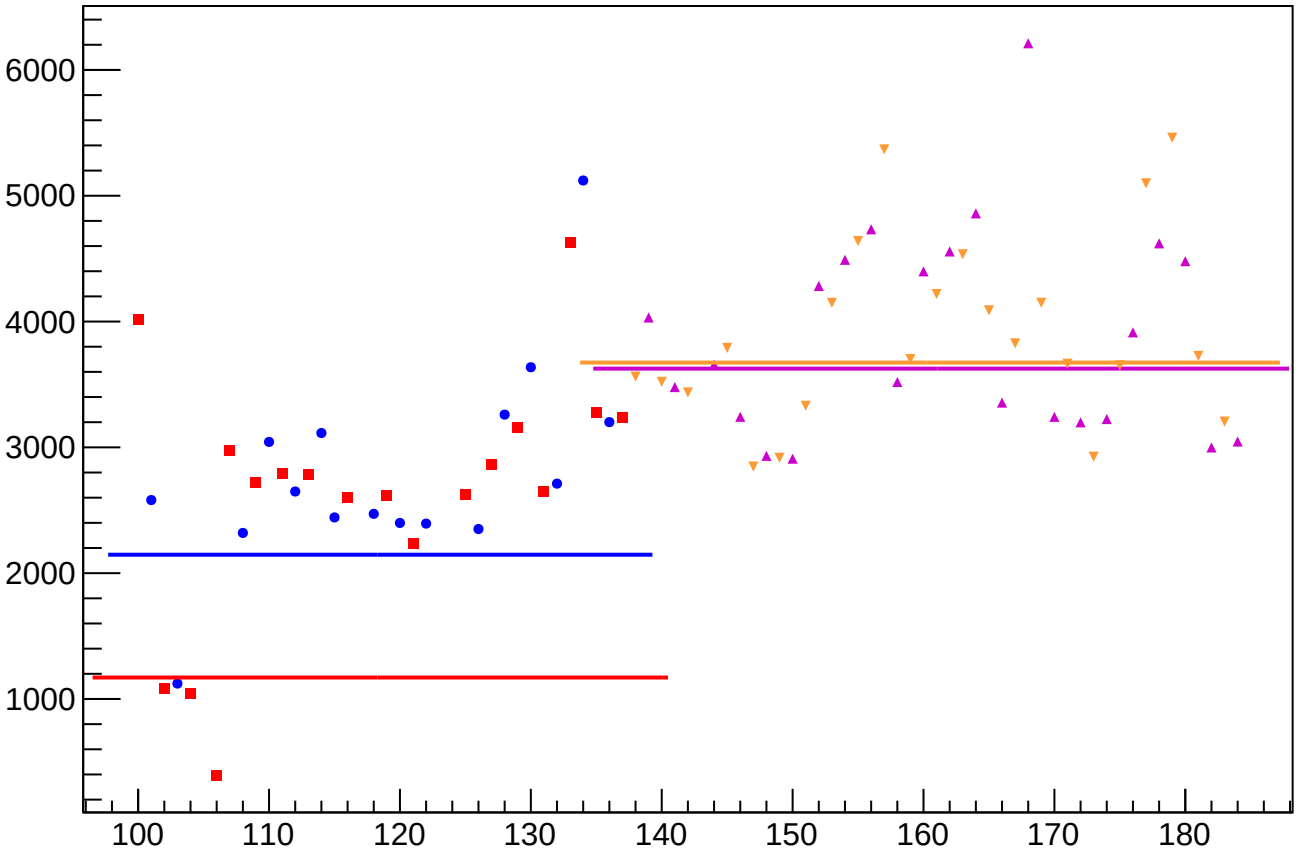
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 306.818+/-619.284 χ^2/NDF: 42.6/38

All: 248.254+/-376.150 χ^2/NDF: 73.1/79

- sign 214.017+/-473.502 χ^2/NDF: 30.4/40



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

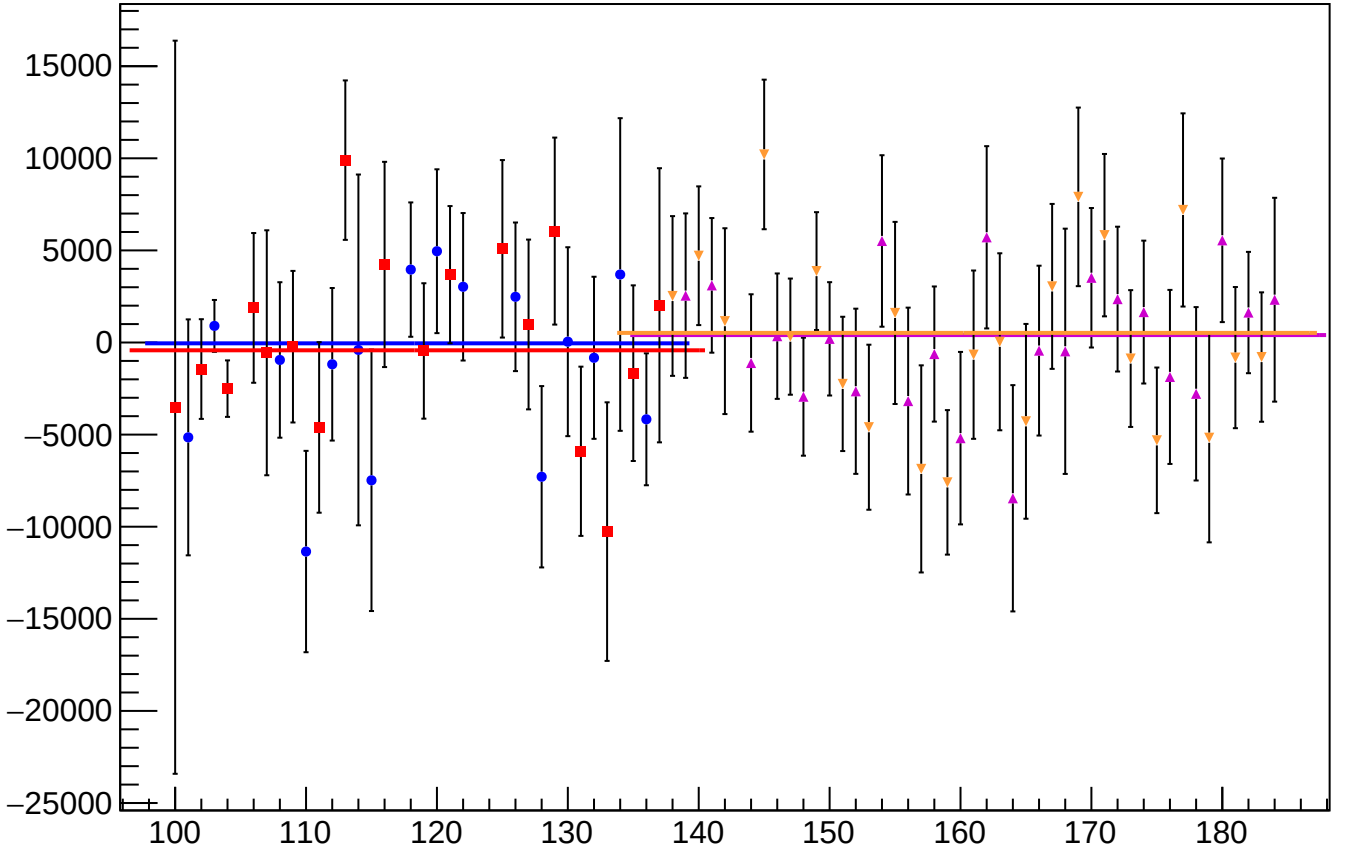
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2907.322+/-0.438 χ^2/NDF: 6103883.4/38

All: 2275.849+/-0.266 χ^2/NDF: 27764382.3/7

- sign 1906.686+/-0.335 χ^2/NDF: 18365303.7/40

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

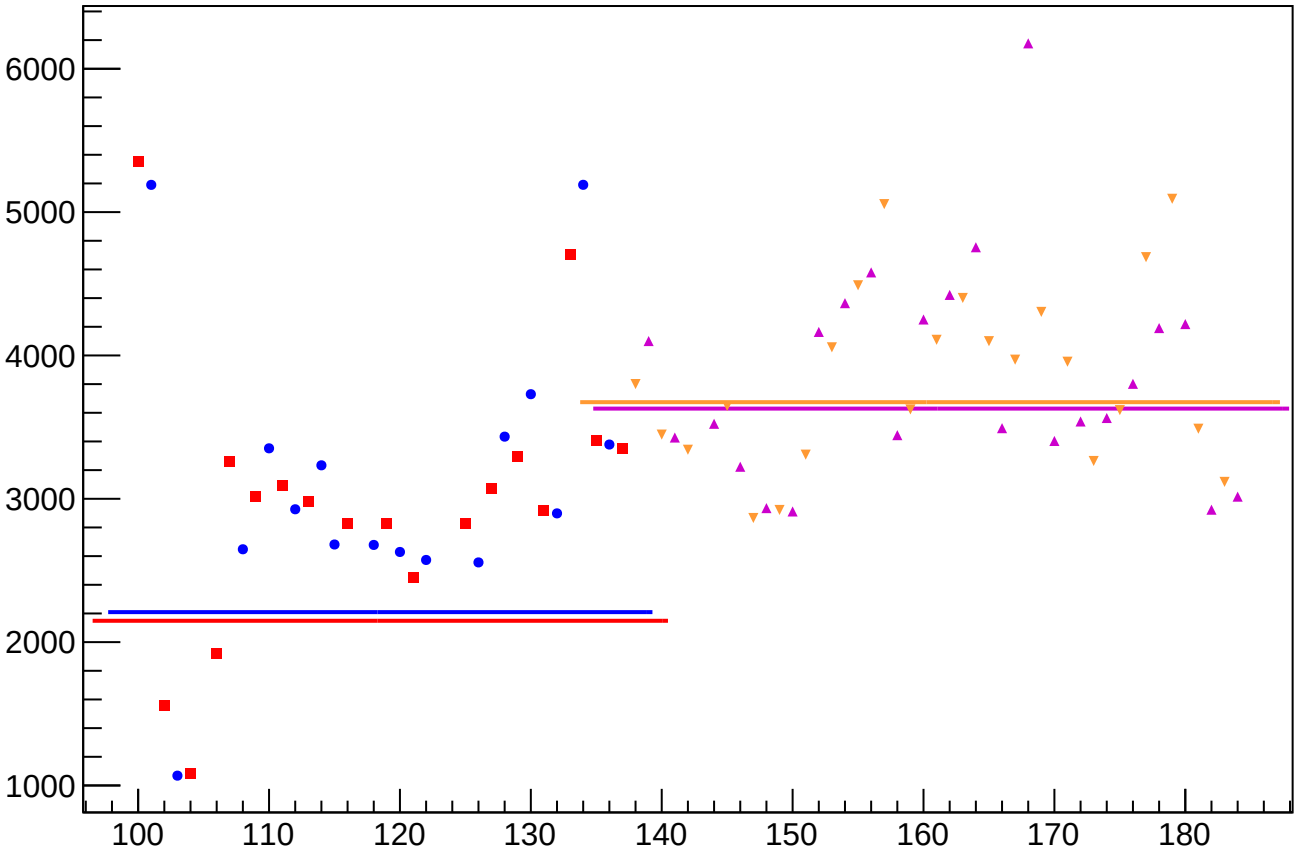
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 253.197+/-633.954 χ^2/NDF: 40.3/38

All: 127.245+/-443.843 χ^2/NDF: 70.5/79

- sign 6.151+/-621.607 χ^2/NDF: 30.1/40



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3674.124+/-0.618 χ^2/NDF:876371.3/22

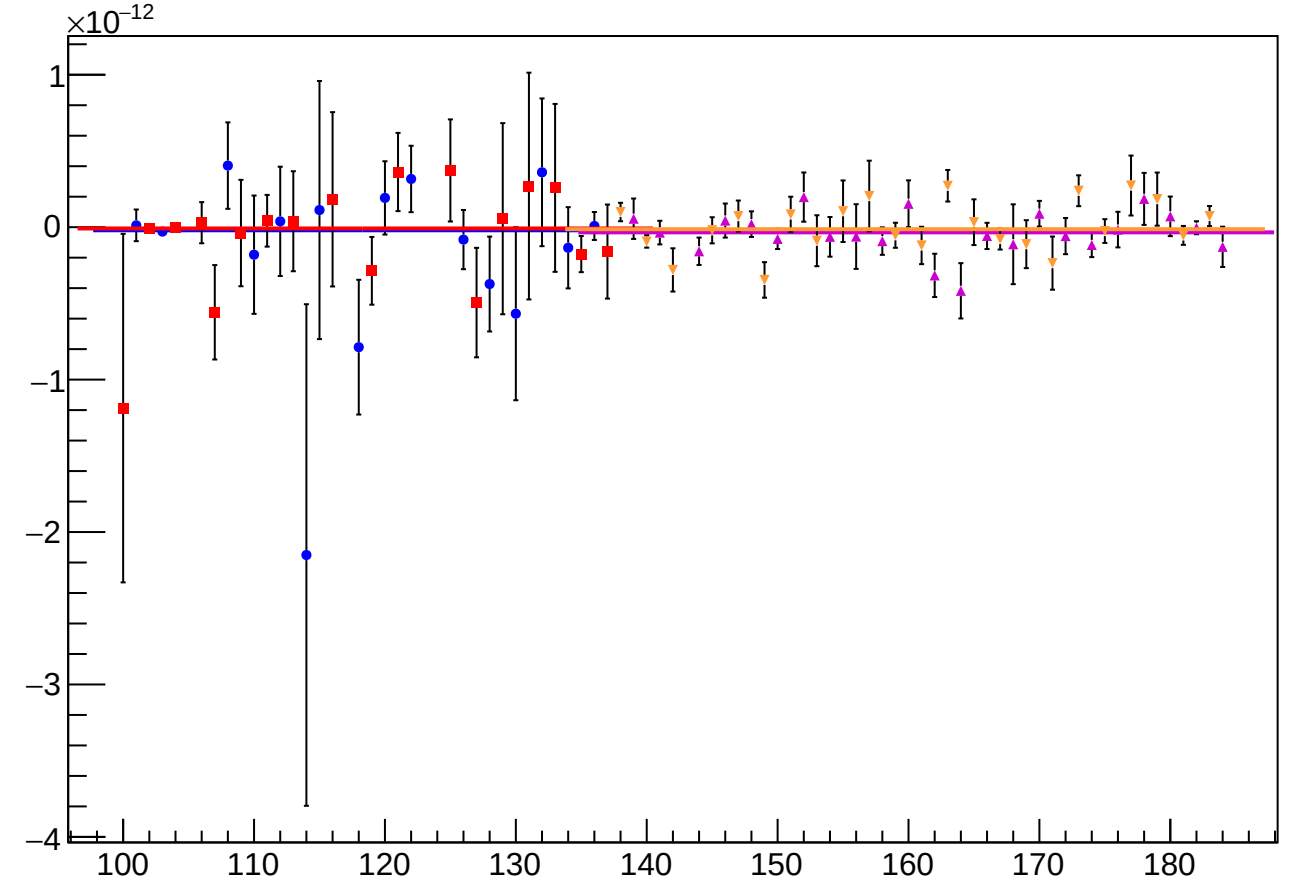
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 2979.713+/-0.448 χ^2/NDF: 6375375.3/38

All: 2947.267+/-0.314 χ^2/NDF: 12548292.9/7

- sign 2916.145+/-0.439 χ^2/NDF: 6162653.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/22

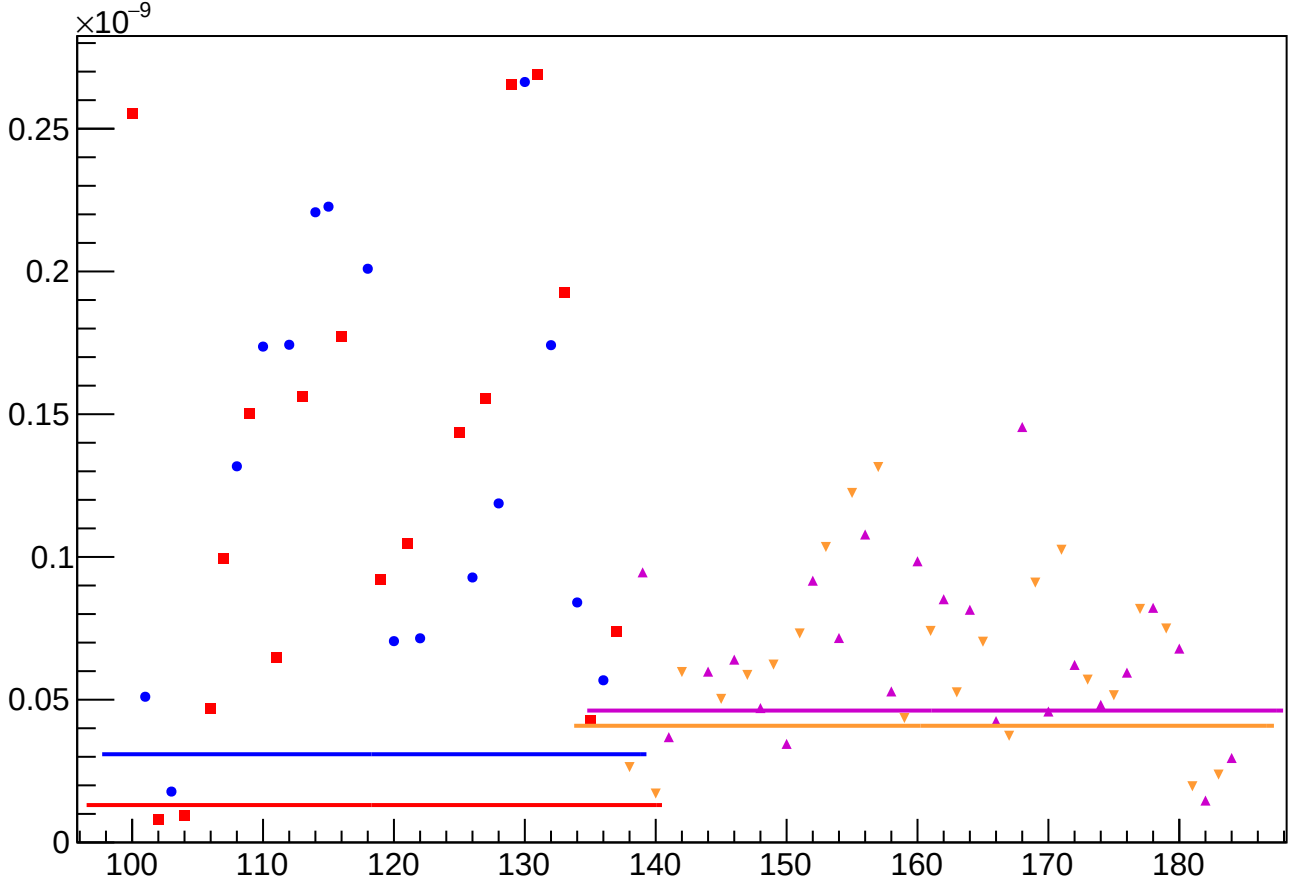
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

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

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/38

All: -0.000+/-0.000 χ^2/NDF: 96.8/79

- sign -0.000+/-0.000 χ^2/NDF: 37.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3375149.9/22

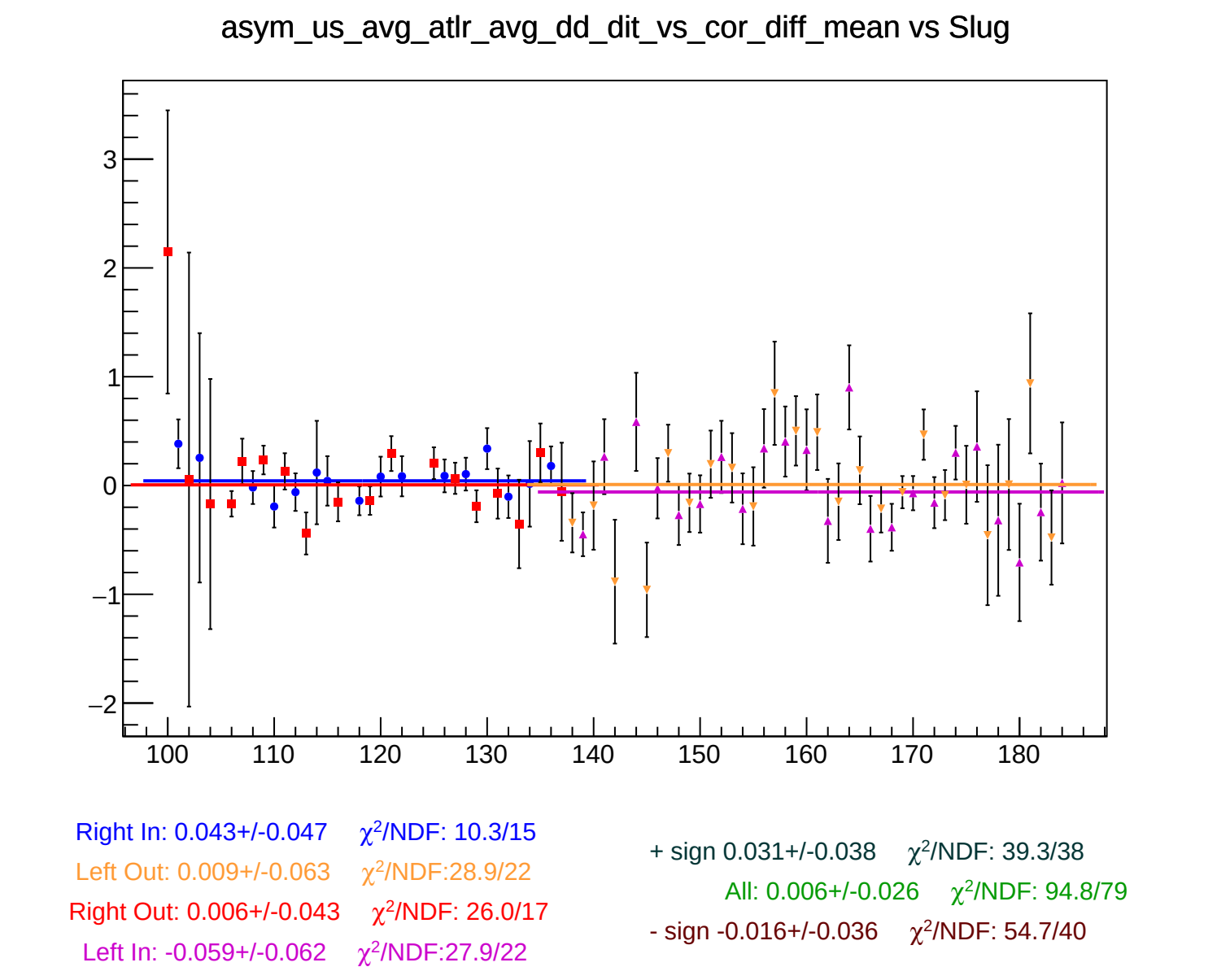
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6571975.3/38

All: 0.000+/-0.000 χ^2/NDF: 17521075.9/79

- sign 0.000+/-0.000 χ^2/NDF: 10096830.0/40


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
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−1
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120
130
140
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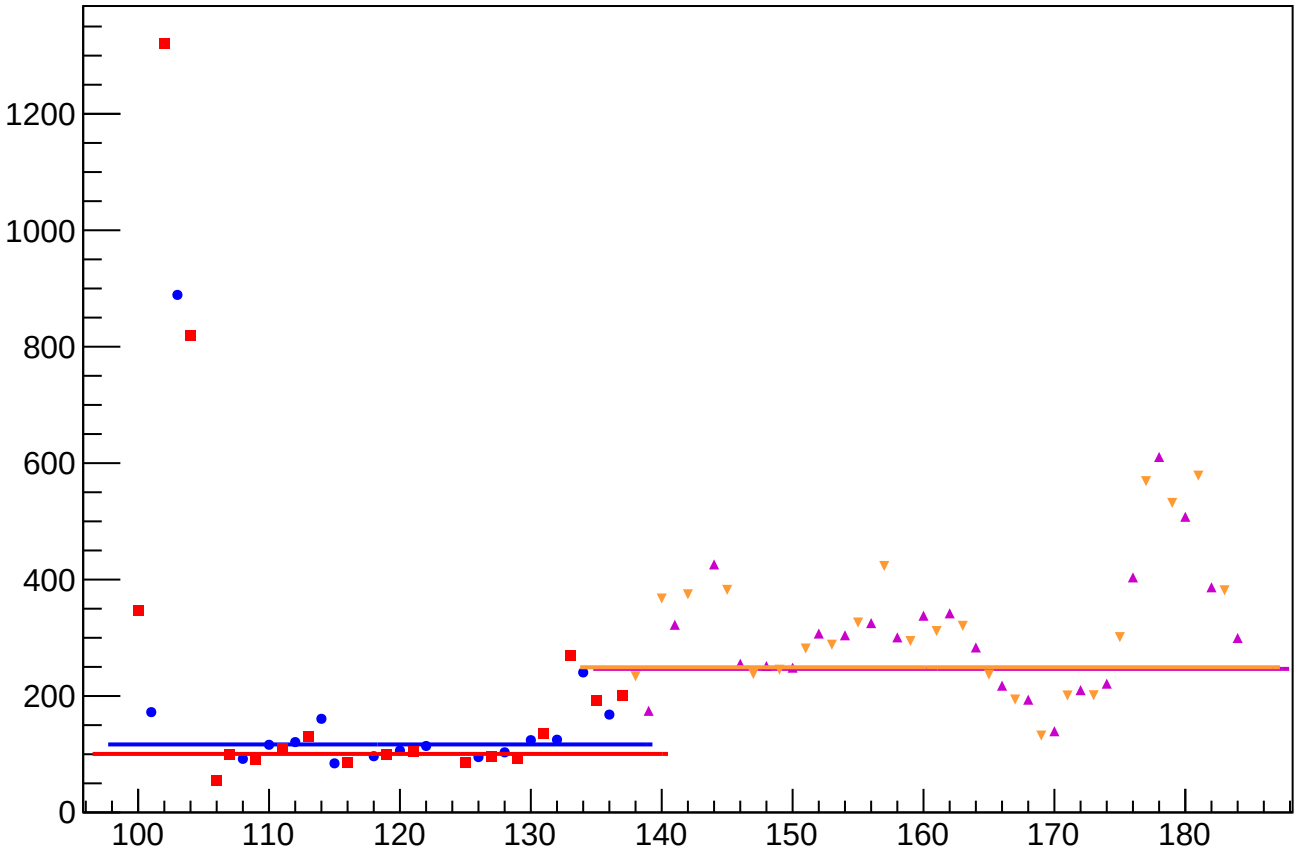
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.009+/-0.063 χ²/NDF:28.9/22
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.031+/-0.038 χ²/NDF: 39.3/38
All: 0.006+/-0.026 χ²/NDF: 94.8/79
- sign -0.016+/-0.036 χ²/NDF: 54.7/40



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306046.7/22

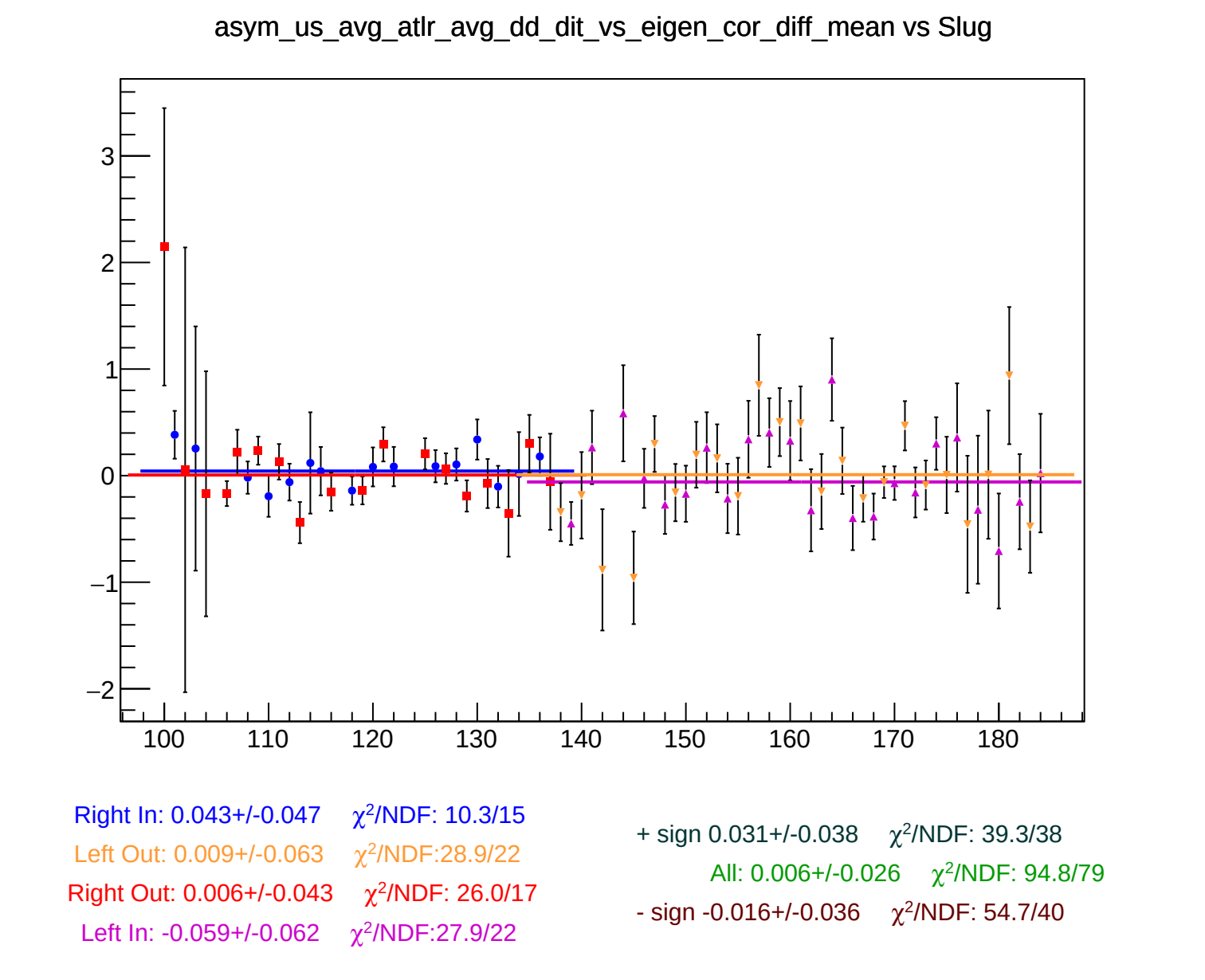
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 164.581+/-0.027 χ^2/NDF: 11543763.8/38

All: 156.036+/-0.018 χ^2/NDF: 25623657.4/79

- sign 148.546+/-0.025 χ^2/NDF: 13889799.1/40


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
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−1
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100
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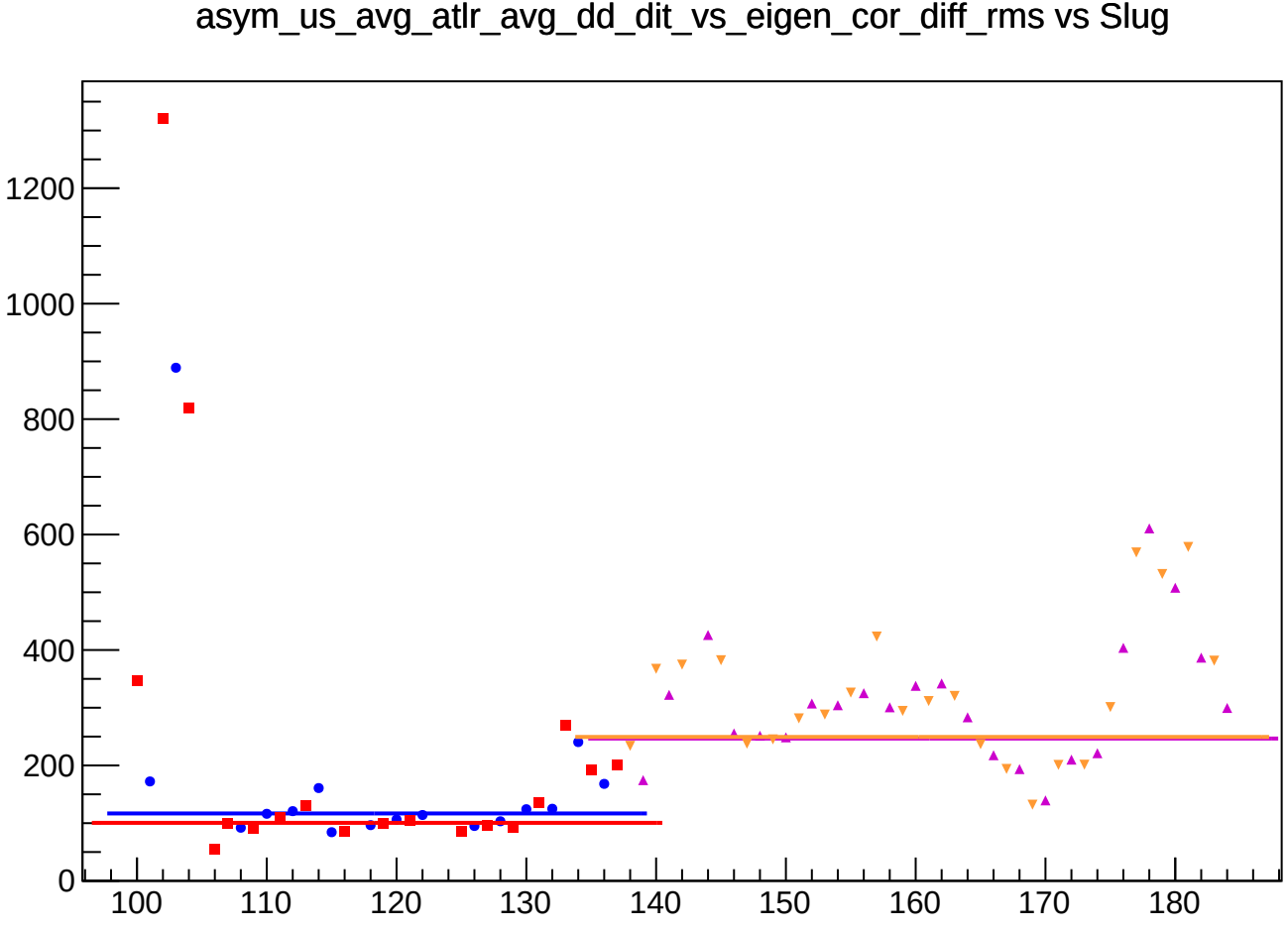
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.009+/-0.063 χ²/NDF:28.9/22
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.031+/-0.038 χ²/NDF: 39.3/38
All: 0.006+/-0.026 χ²/NDF: 94.8/79
- sign -0.016+/-0.036 χ²/NDF: 54.7/40



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306046.7/22

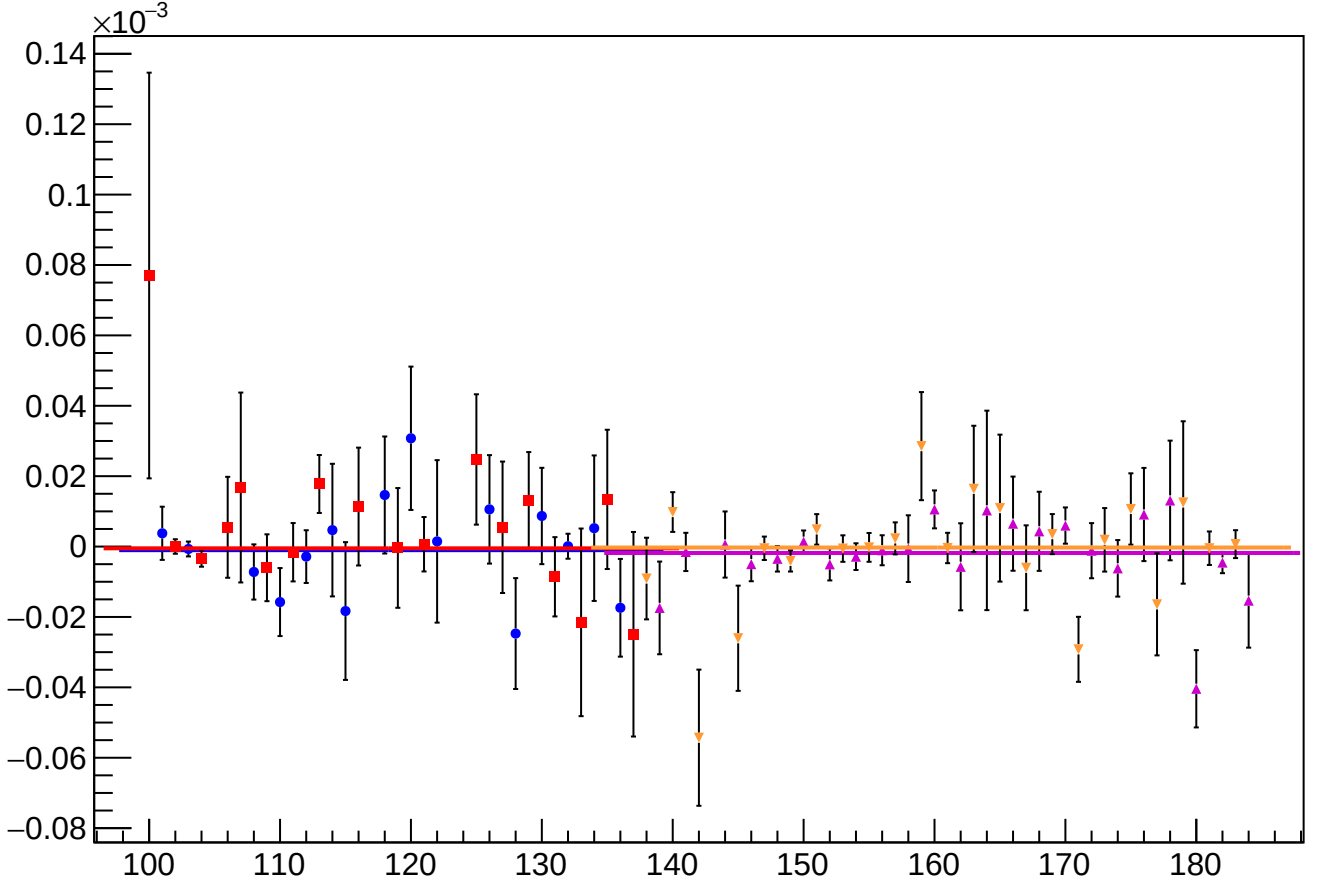
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 164.581+/-0.027 χ^2/NDF: 11543763.8/38

All: 156.036+/-0.018 χ^2/NDF: 25623657.4/79

- sign 148.546+/-0.025 χ^2/NDF: 13889799.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.9/22

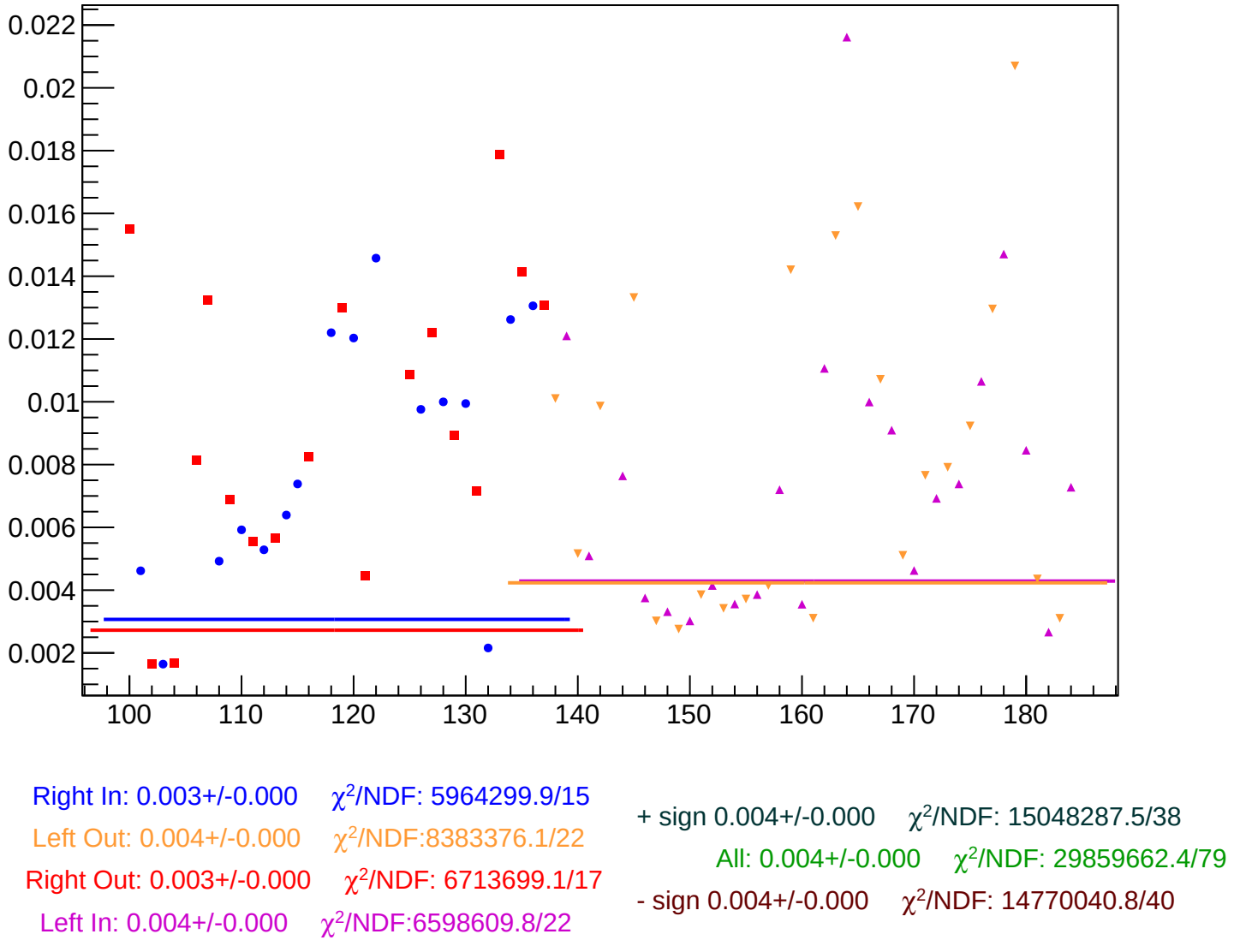
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/38

All: -0.000+/-0.000 χ^2/NDF: 92.7/79

- sign -0.000+/-0.000 χ^2/NDF: 43.8/40


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
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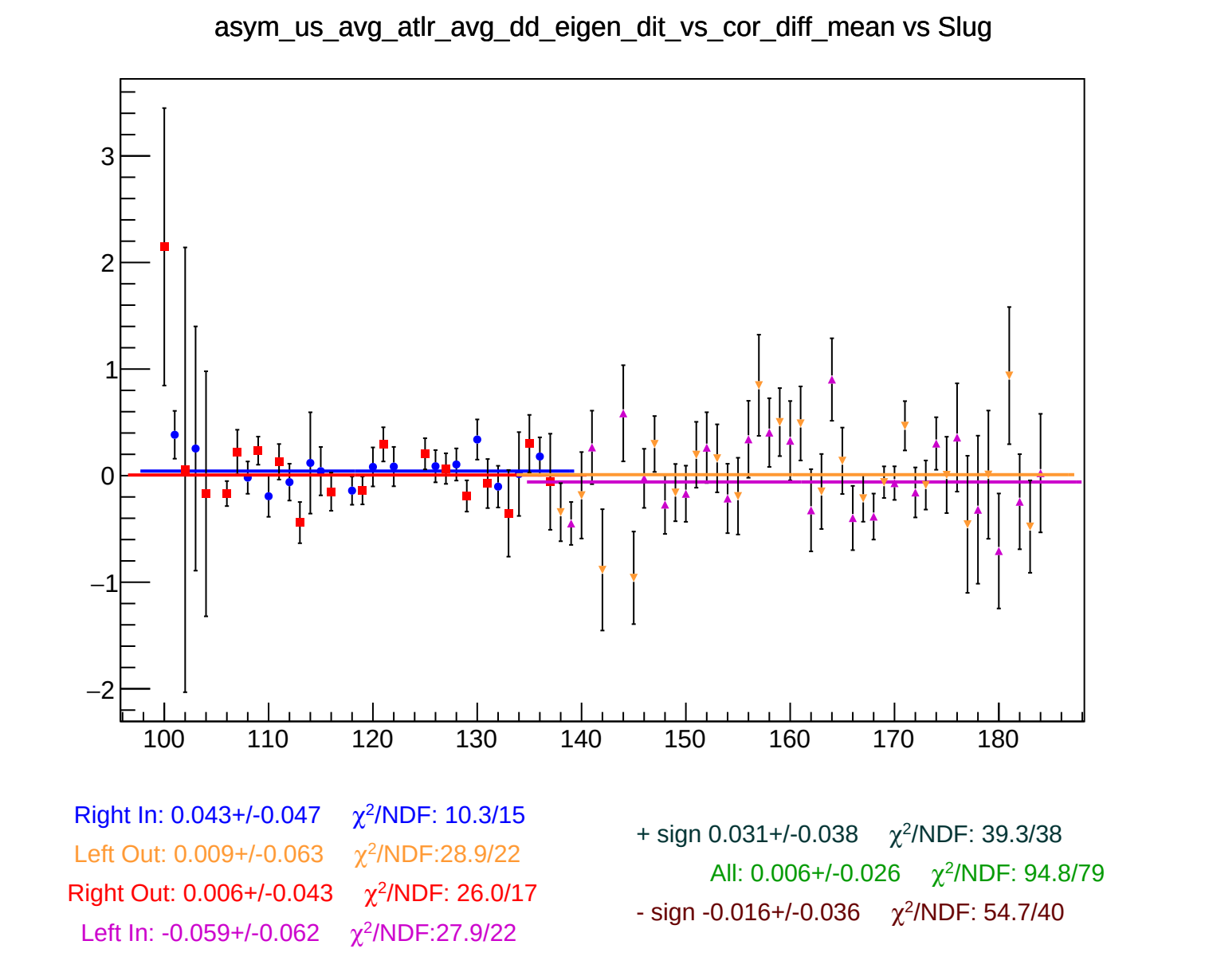
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:8383376.1/22
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
+ sign 0.004+/-0.000 χ²/NDF: 15048287.5/38
All: 0.004+/-0.000 χ²/NDF: 29859662.4/79
- sign 0.004+/-0.000 χ²/NDF: 14770040.8/40


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
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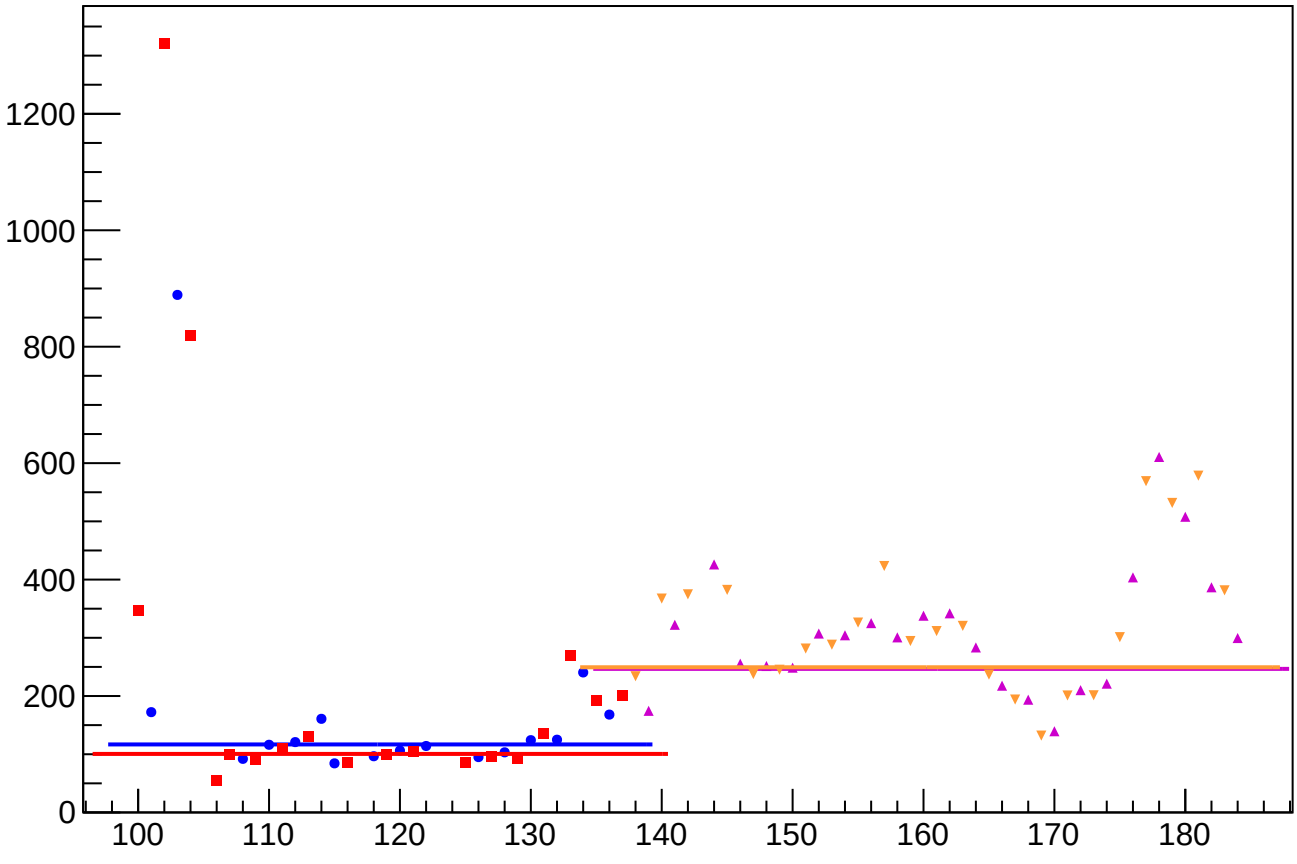
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.009+/-0.063 χ²/NDF:28.9/22
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.031+/-0.038 χ²/NDF: 39.3/38
All: 0.006+/-0.026 χ²/NDF: 94.8/79
- sign -0.016+/-0.036 χ²/NDF: 54.7/40



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306204.0/22

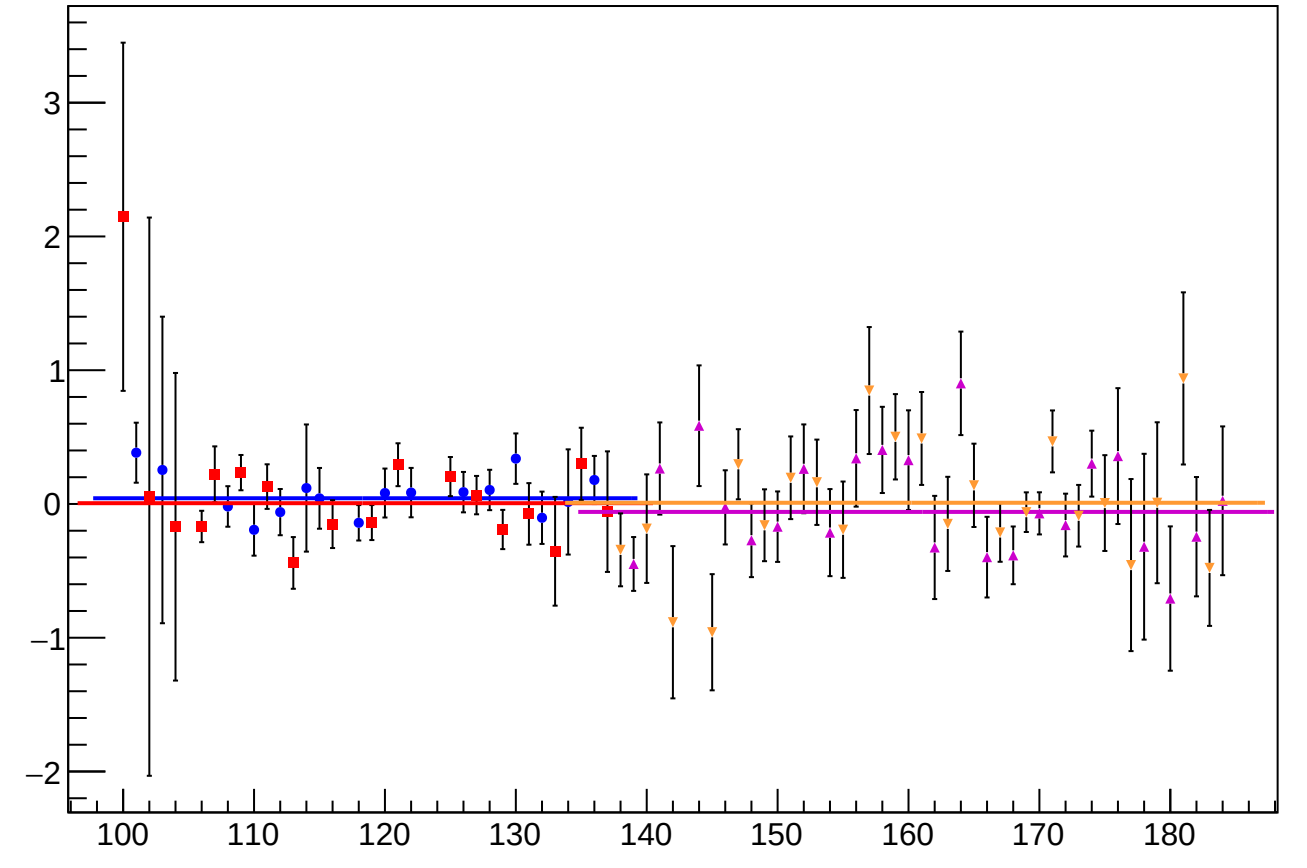
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 164.581+/-0.027 χ^2/NDF: 11543928.9/38

All: 156.036+/-0.018 χ^2/NDF: 25624191.7/79

- sign 148.545+/-0.025 χ^2/NDF: 13890150.1/40



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.009+/-0.063 χ^2/NDF:28.9/22

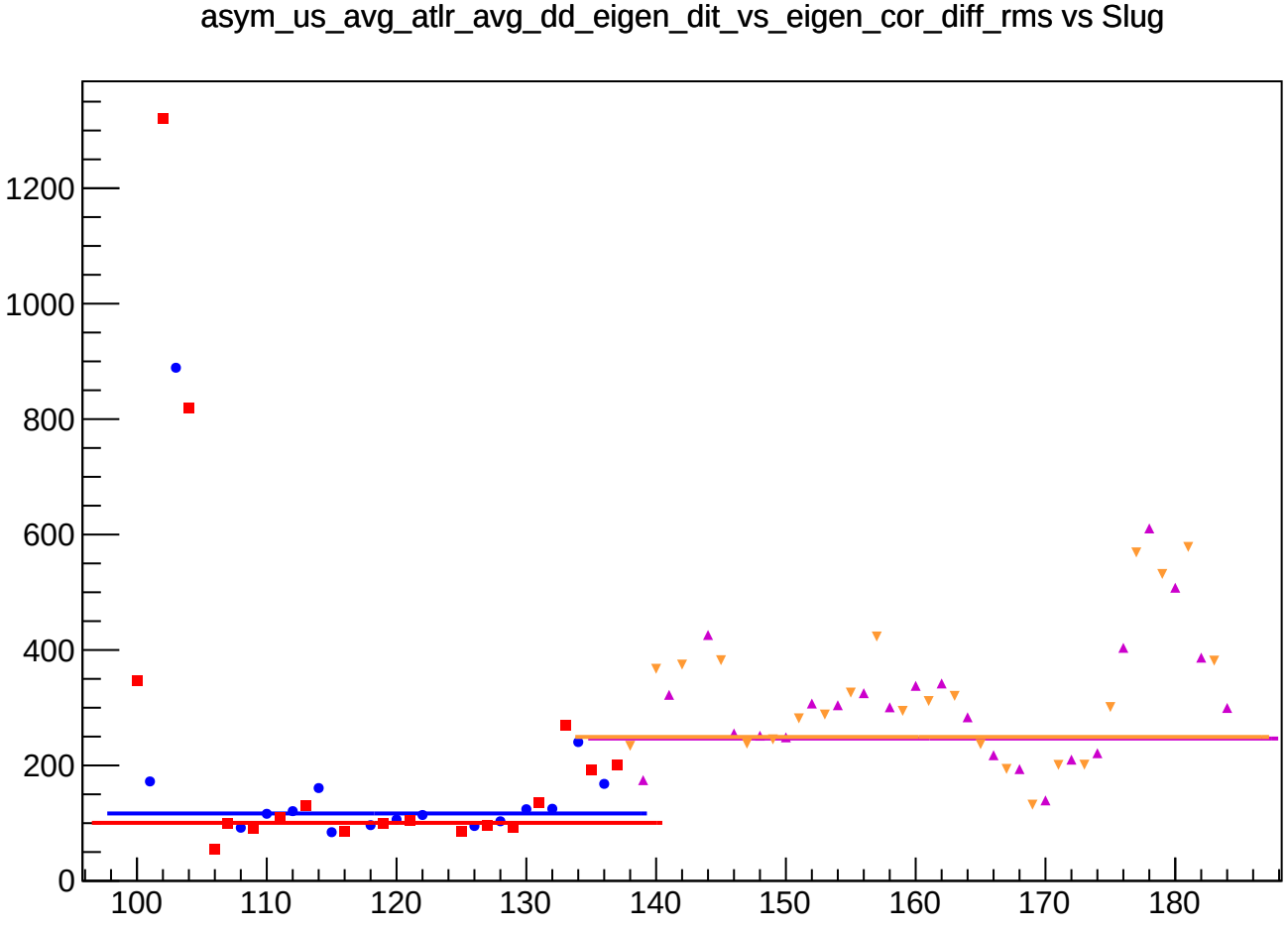
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.031+/-0.038 χ^2/NDF: 39.3/38

All: 0.006+/-0.026 χ^2/NDF: 94.8/79

- sign -0.016+/-0.036 χ^2/NDF: 54.7/40



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 249.381+/-0.045 χ^2/NDF:4306204.0/22

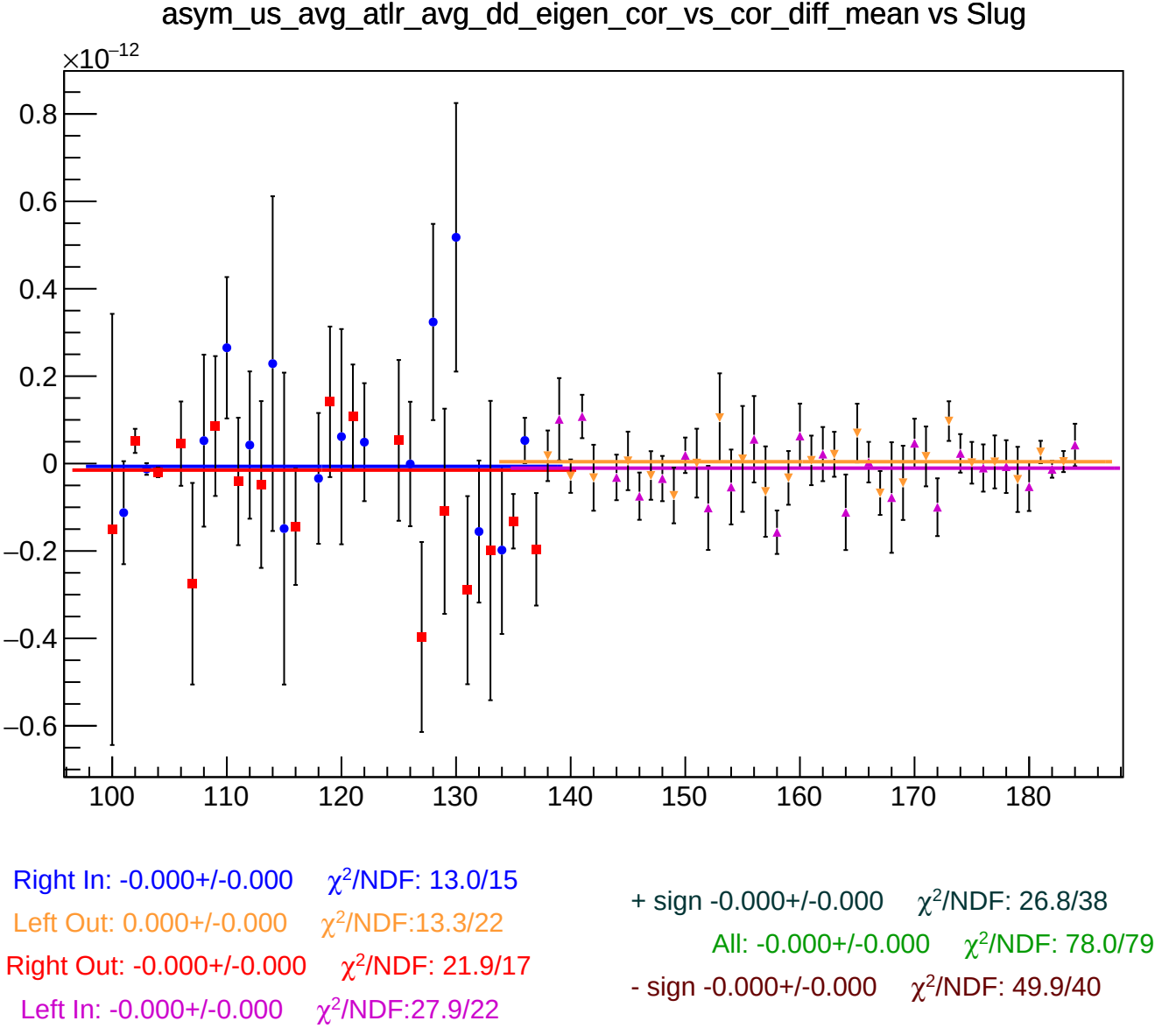
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

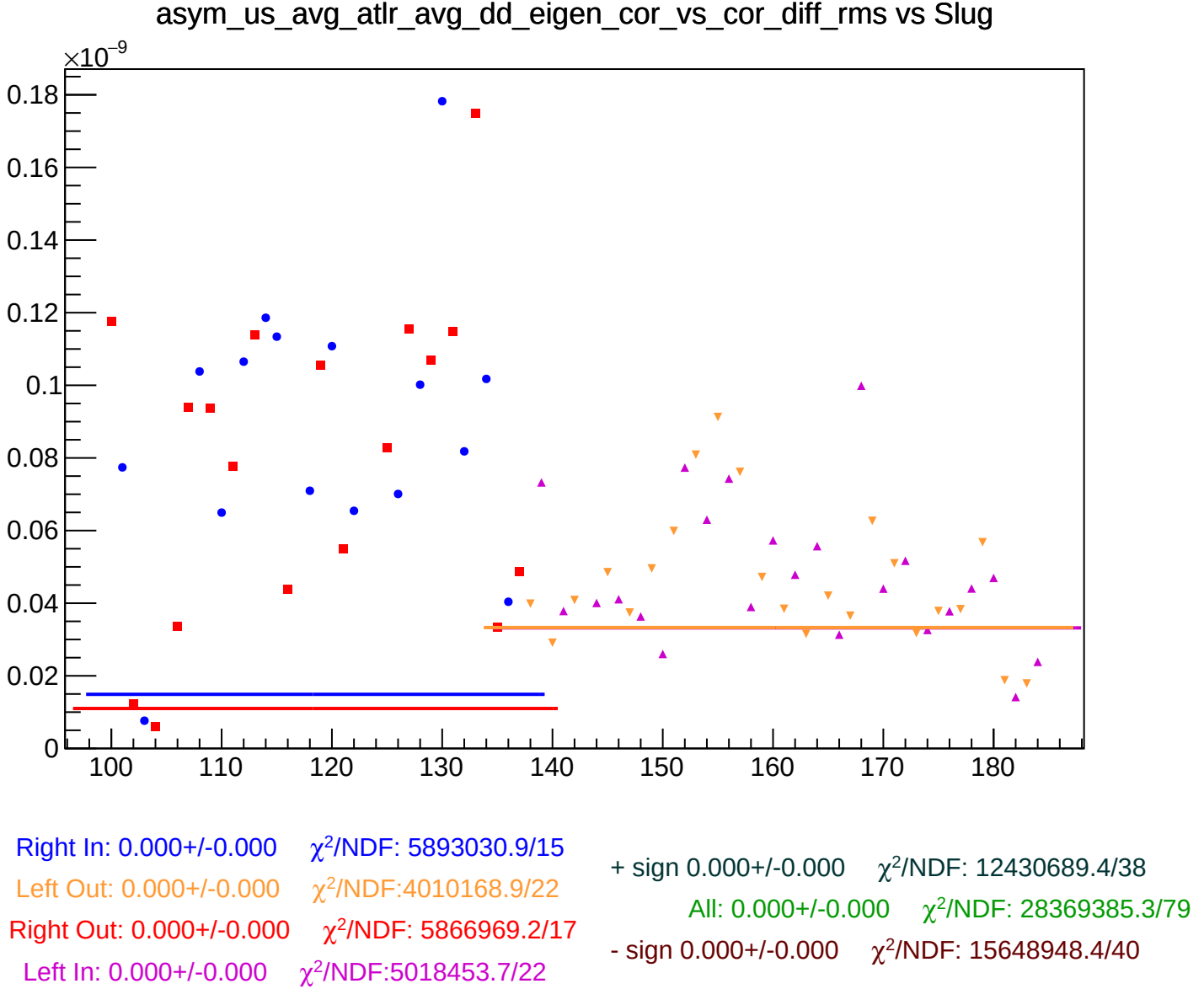
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 164.581+/-0.027 χ^2/NDF: 11543928.9/38

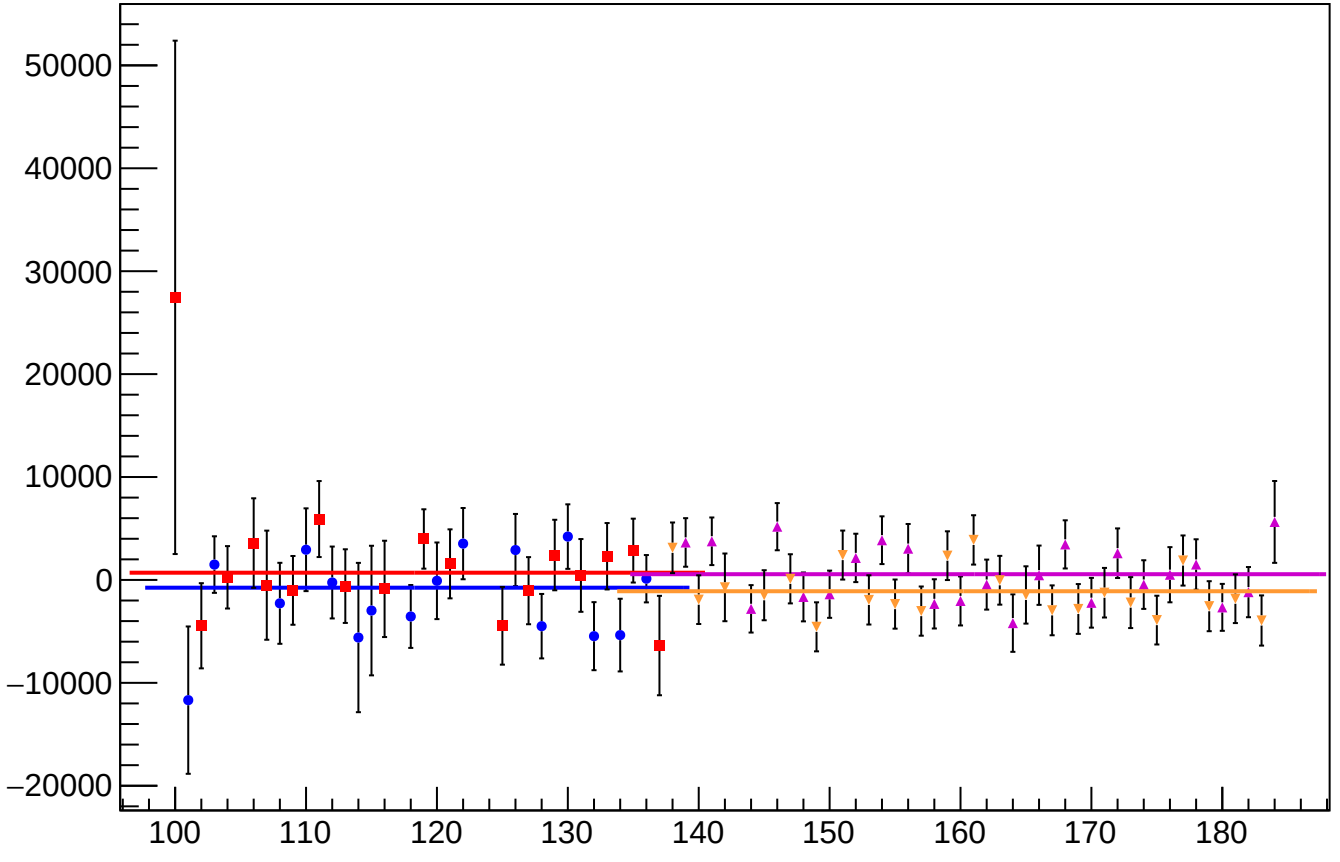
All: 156.036+/-0.018 χ^2/NDF: 25624191.7/79

- sign 148.545+/-0.025 χ^2/NDF: 13890150.1/40


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:27.9/22
+ sign -0.000+/-0.000 χ²/NDF: 26.8/38
All: -0.000+/-0.000 χ²/NDF: 78.0/79
- sign -0.000+/-0.000 χ²/NDF: 49.9/40


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:5018453.7/22
+ sign 0.000+/-0.000 χ²/NDF: 12430689.4/38
All: 0.000+/-0.000 χ²/NDF: 28369385.3/79
- sign 0.000+/-0.000 χ²/NDF: 15648948.4/40

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

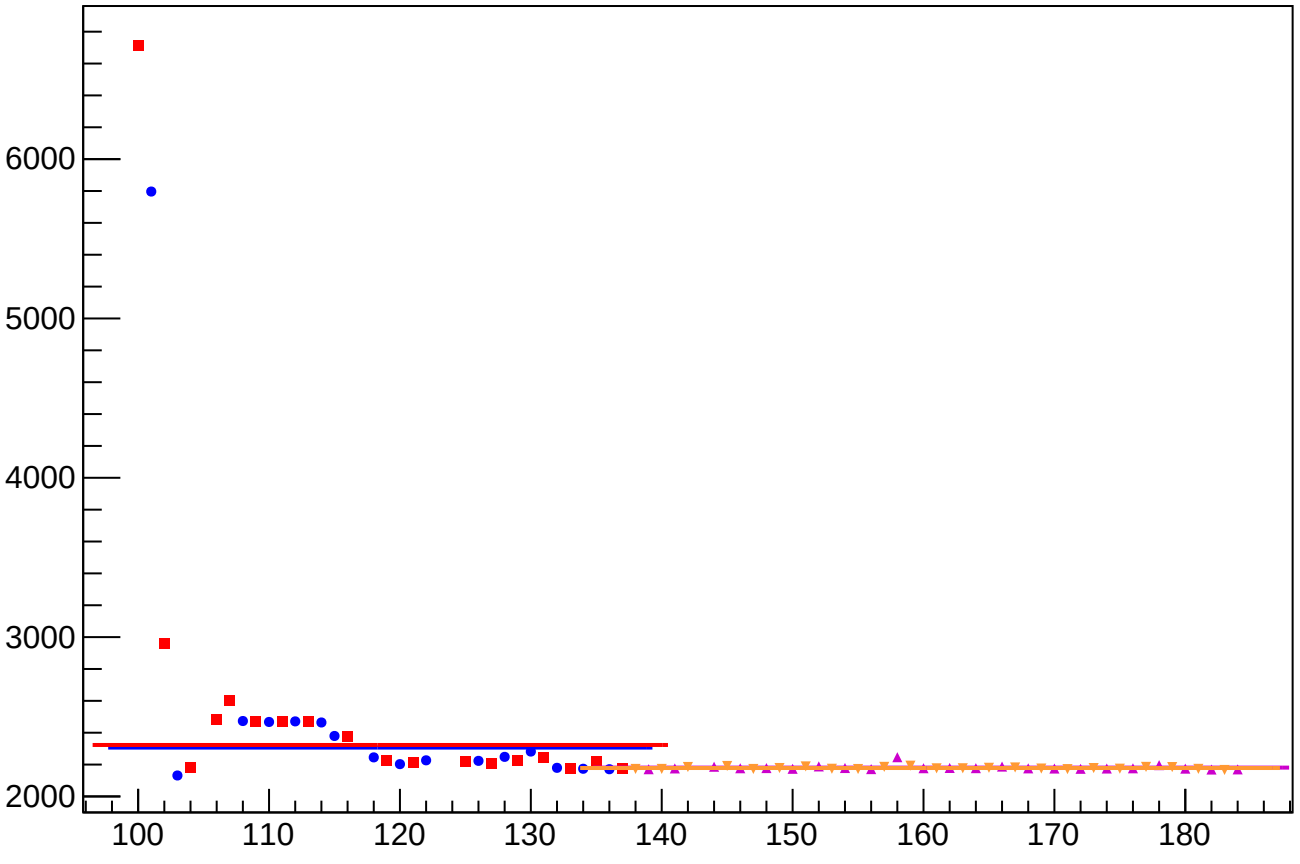
Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

\+ sign -1010.919+/-439.767 χ^2/NDF: 37.4/38

All: -207.506+/-310.794 χ^2/NDF: 85.1/79

\- sign 594.174+/-439.292 χ^2/NDF: 41.1/40



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.420+/-0.360 χ^2/NDF:372.3/22

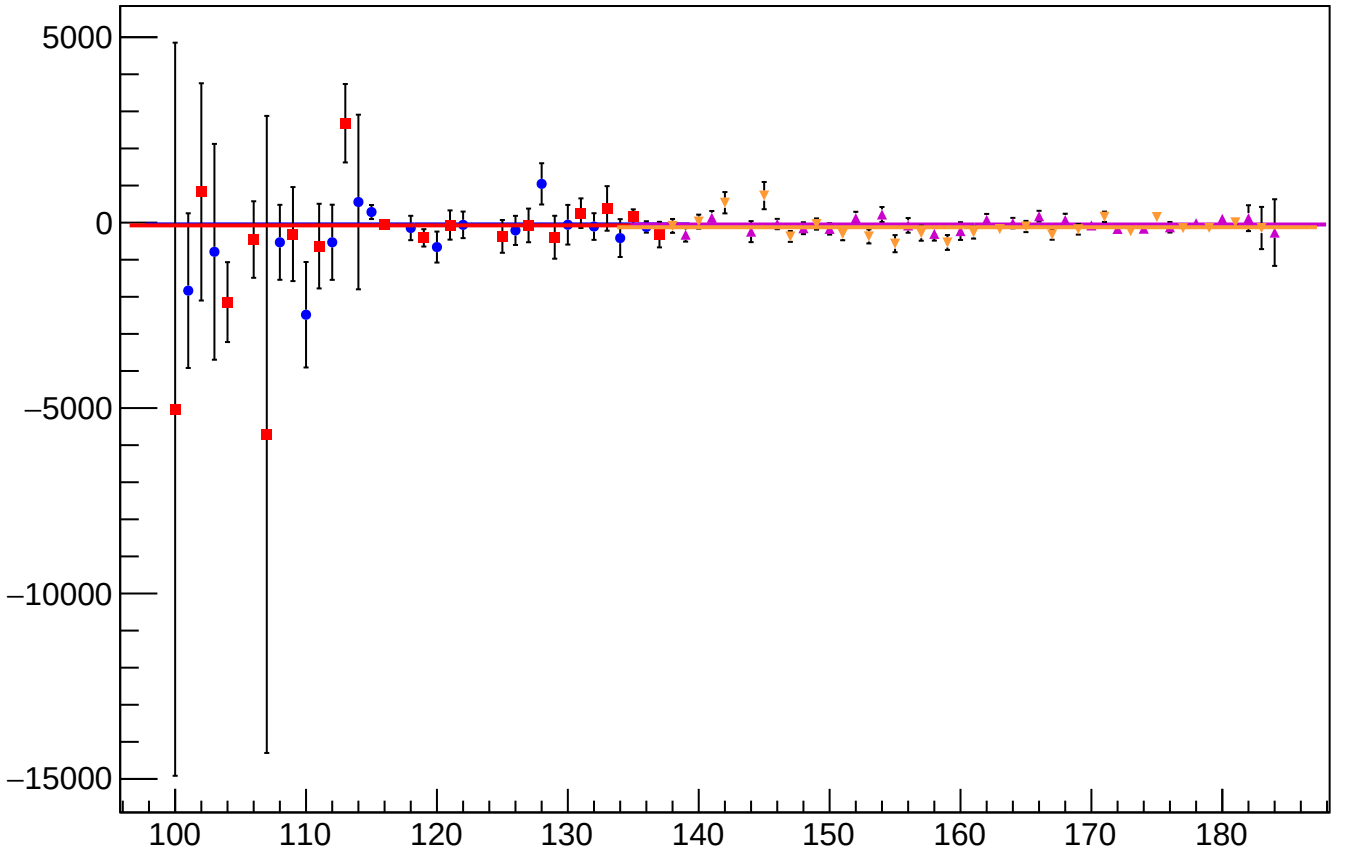
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.983+/-0.311 χ^2/NDF: 546736.7/38

All: 2214.125+/-0.220 χ^2/NDF: 740422.9/79

- sign 2217.259+/-0.311 χ^2/NDF: 193482.3/40



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -124.253+/-31.424 χ^2/NDF:42.2/22

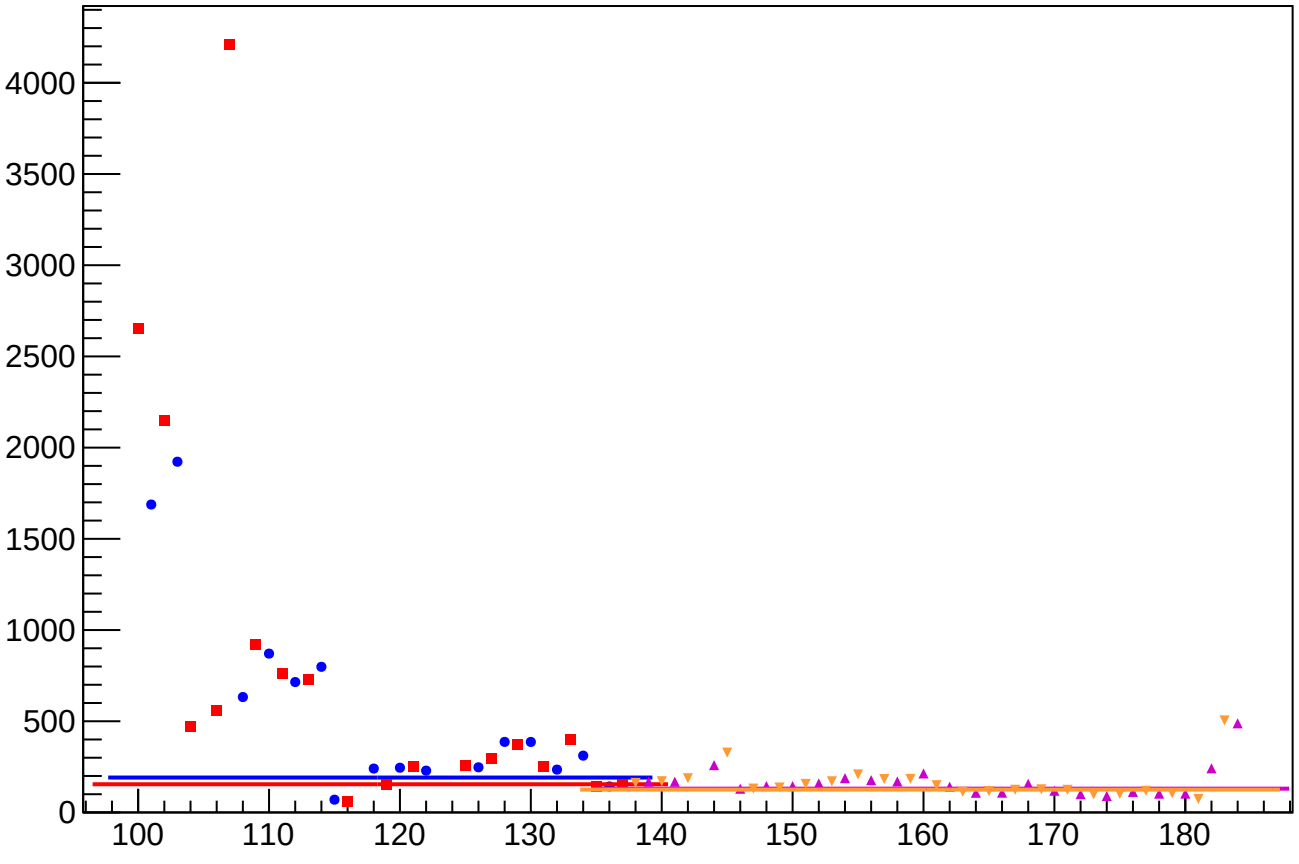
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -116.107+/-29.700 χ^2/NDF: 57.2/38

All: -85.417+/-21.199 χ^2/NDF: 95.4/79

- sign -53.541+/-30.269 χ^2/NDF: 35.9/40



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

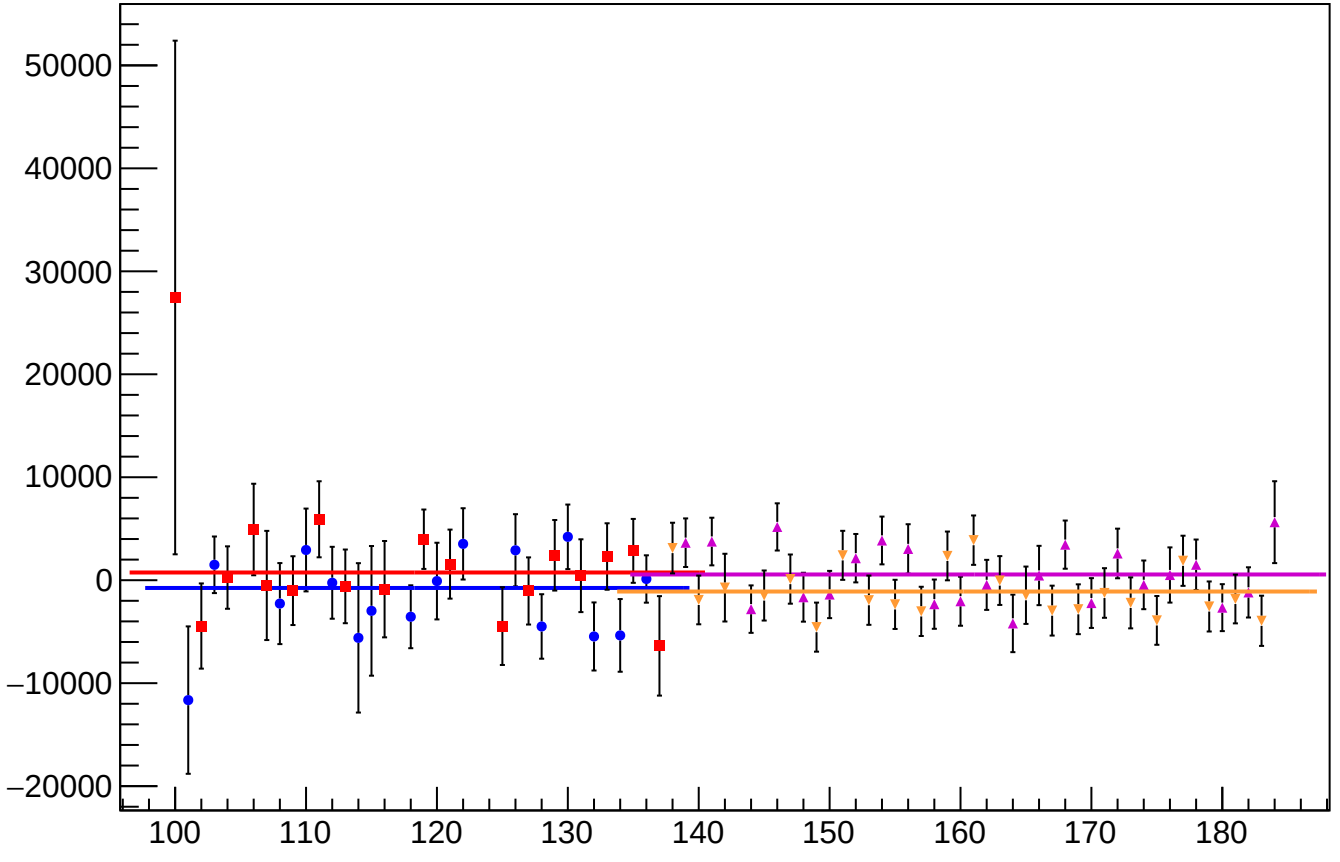
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 132.197+/-0.021 χ^2/NDF: 9665440.1/38

All: 132.939+/-0.015 χ^2/NDF: 18651736.1/79

- sign 133.708+/-0.021 χ^2/NDF: 8983756.5/40

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

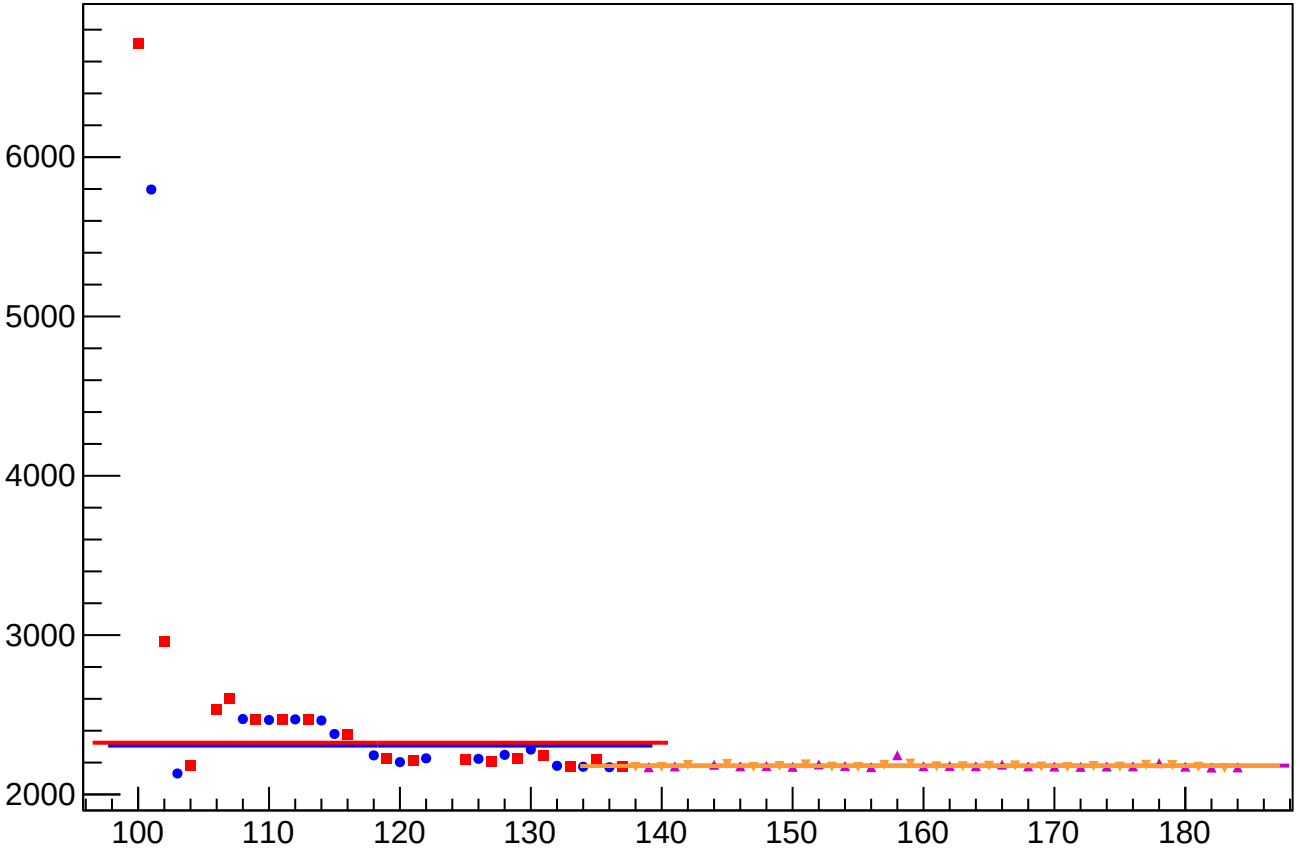
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

\+ sign -1010.643+/-439.767 χ^2/NDF: 37.4/38

All: -201.527+/-310.827 χ^2/NDF: 85.7/79

\- sign 606.184+/-439.385 χ^2/NDF: 41.5/40

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

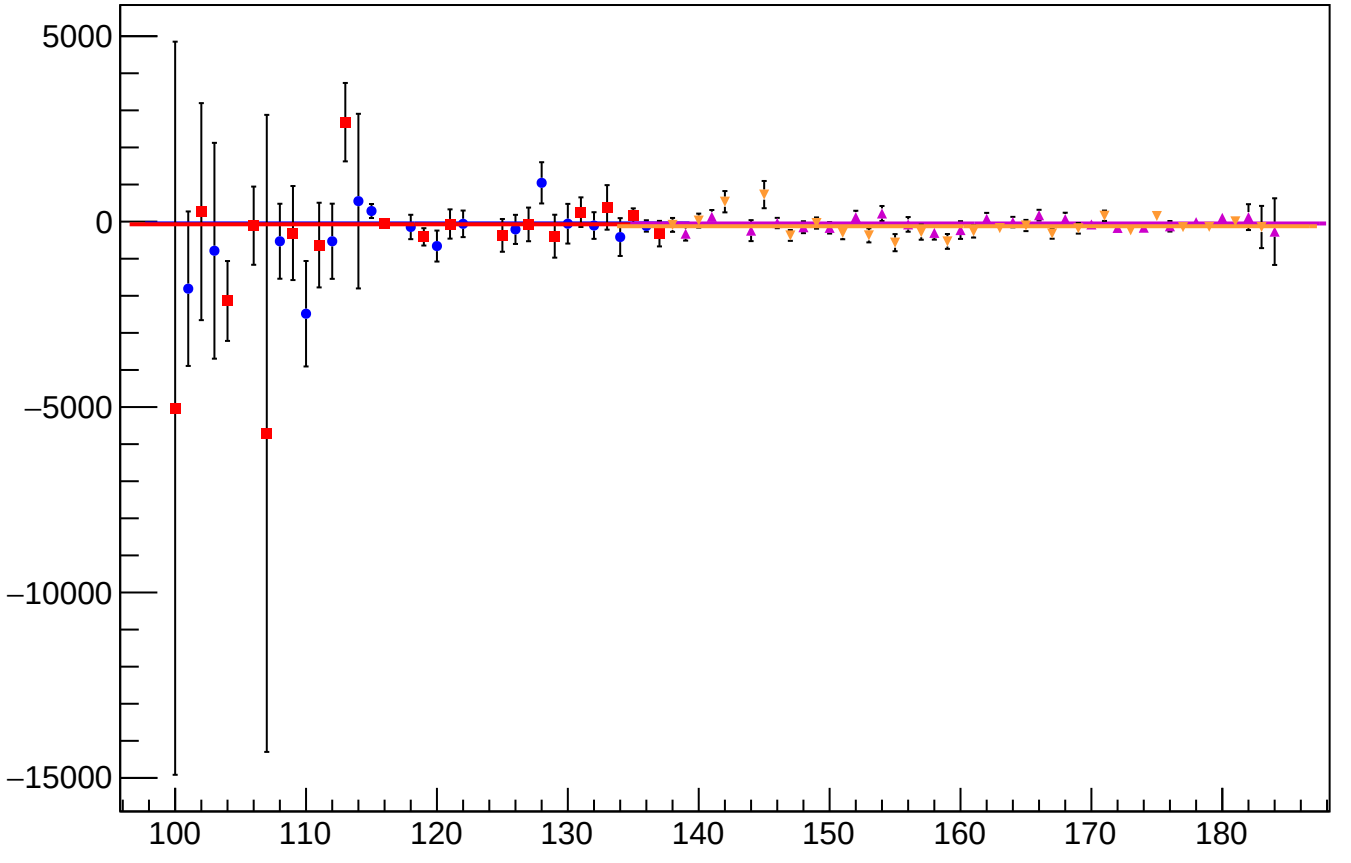
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.983+/-0.311 χ^2/NDF: 546737.0/38

All: 2214.316+/-0.220 χ^2/NDF: 743134.2/79

- sign 2217.642+/-0.311 χ^2/NDF: 196167.7/40



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

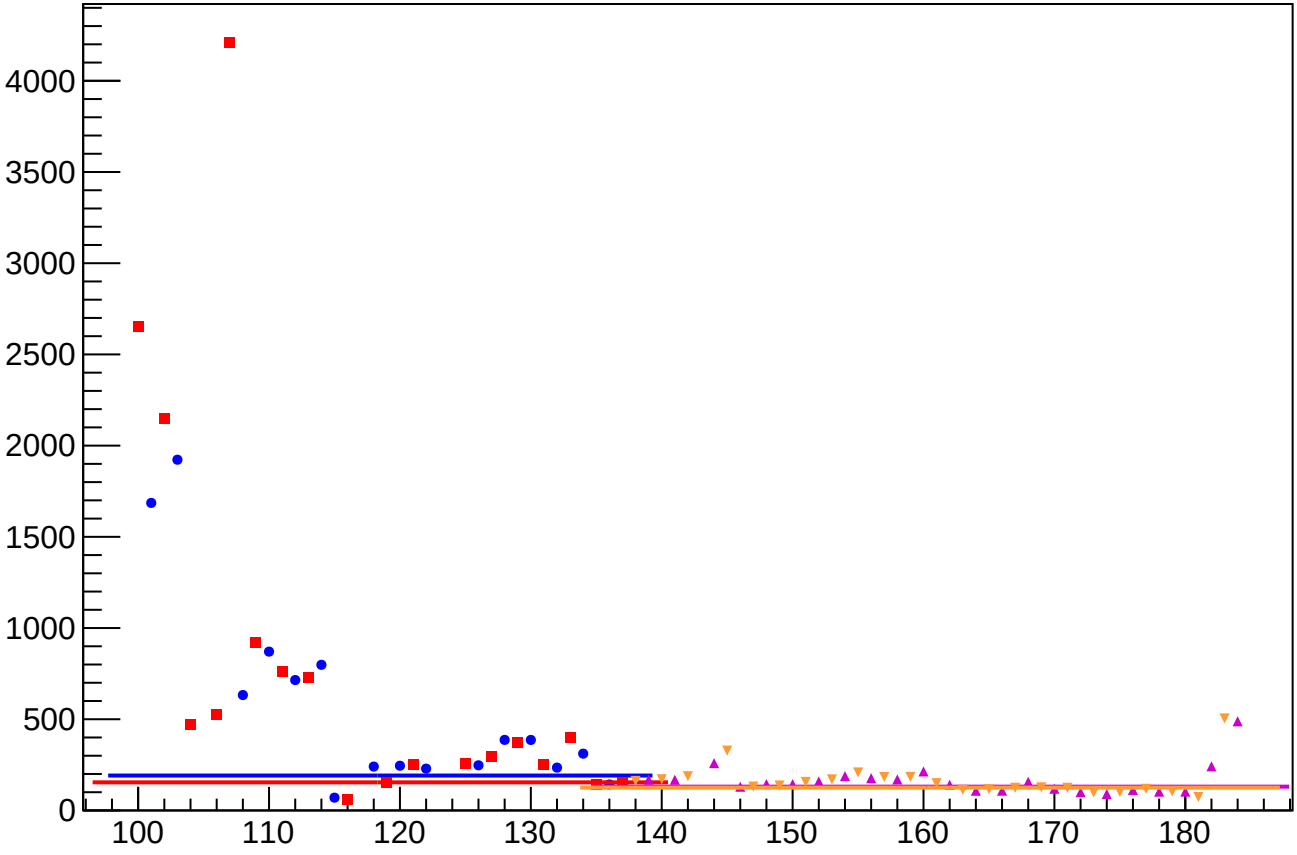
Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.042+/-29.700 χ^2/NDF: 57.2/38

All: -85.208+/-21.199 χ^2/NDF: 95.1/79

- sign -53.182+/-30.268 χ^2/NDF: 35.7/40

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

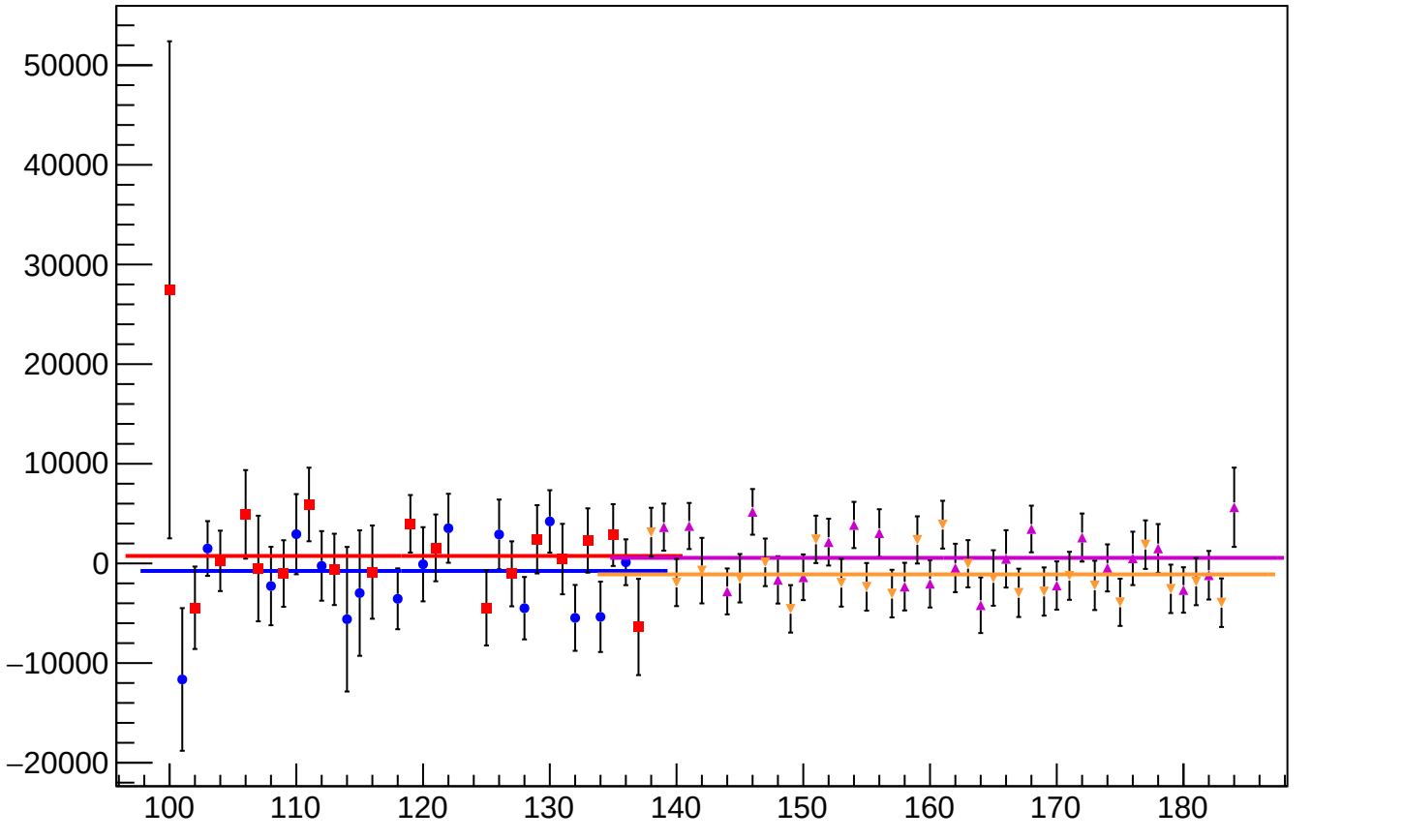
Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.196+/-0.021 χ^2/NDF: 9665783.7/38

All: 132.910+/-0.015 χ^2/NDF: 18599164.2/79

- sign 133.651+/-0.021 χ^2/NDF: 8931025.8/40



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

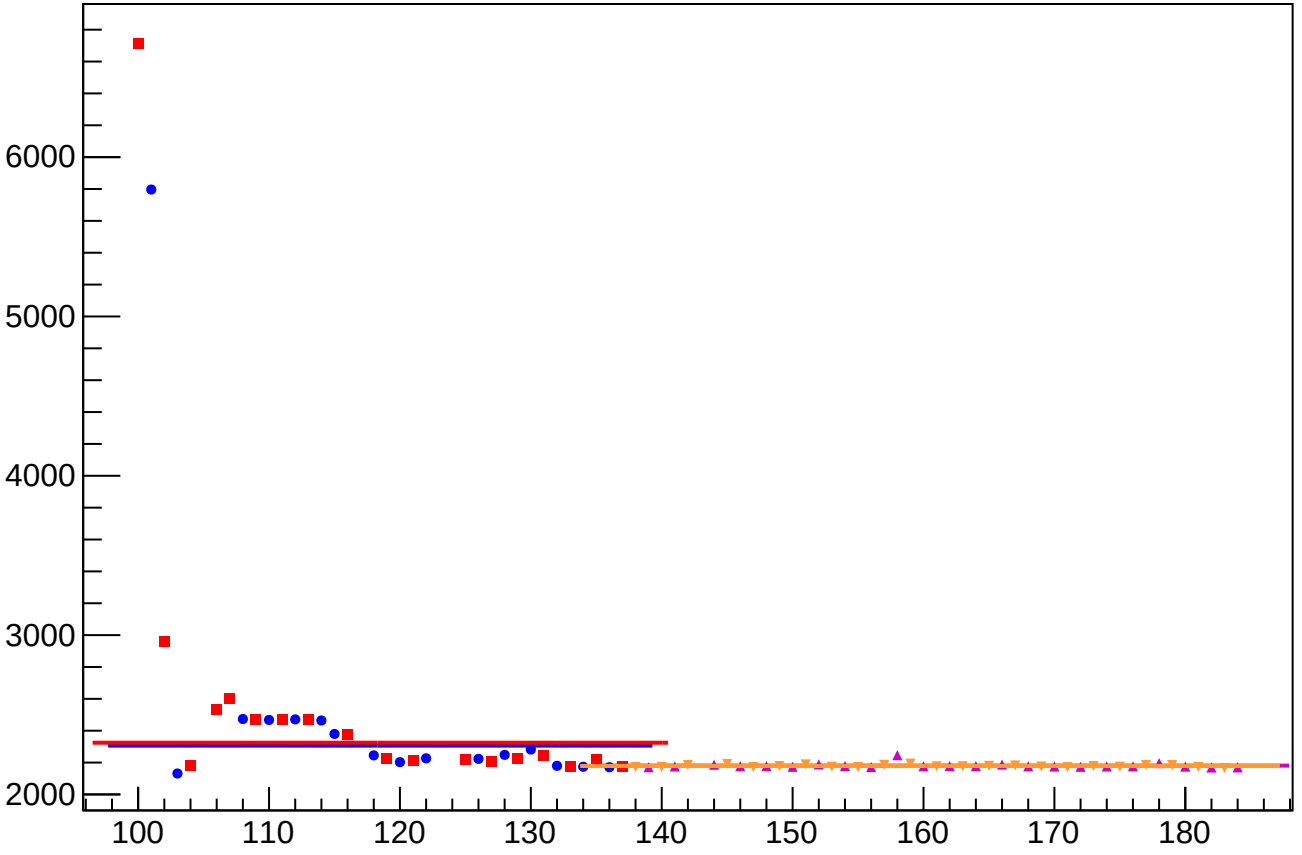
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1010.643+/-439.767 χ^2/NDF: 37.4/38

All: -201.527+/-310.827 χ^2/NDF: 85.7/79

- sign 606.184+/-439.385 χ^2/NDF: 41.5/40

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

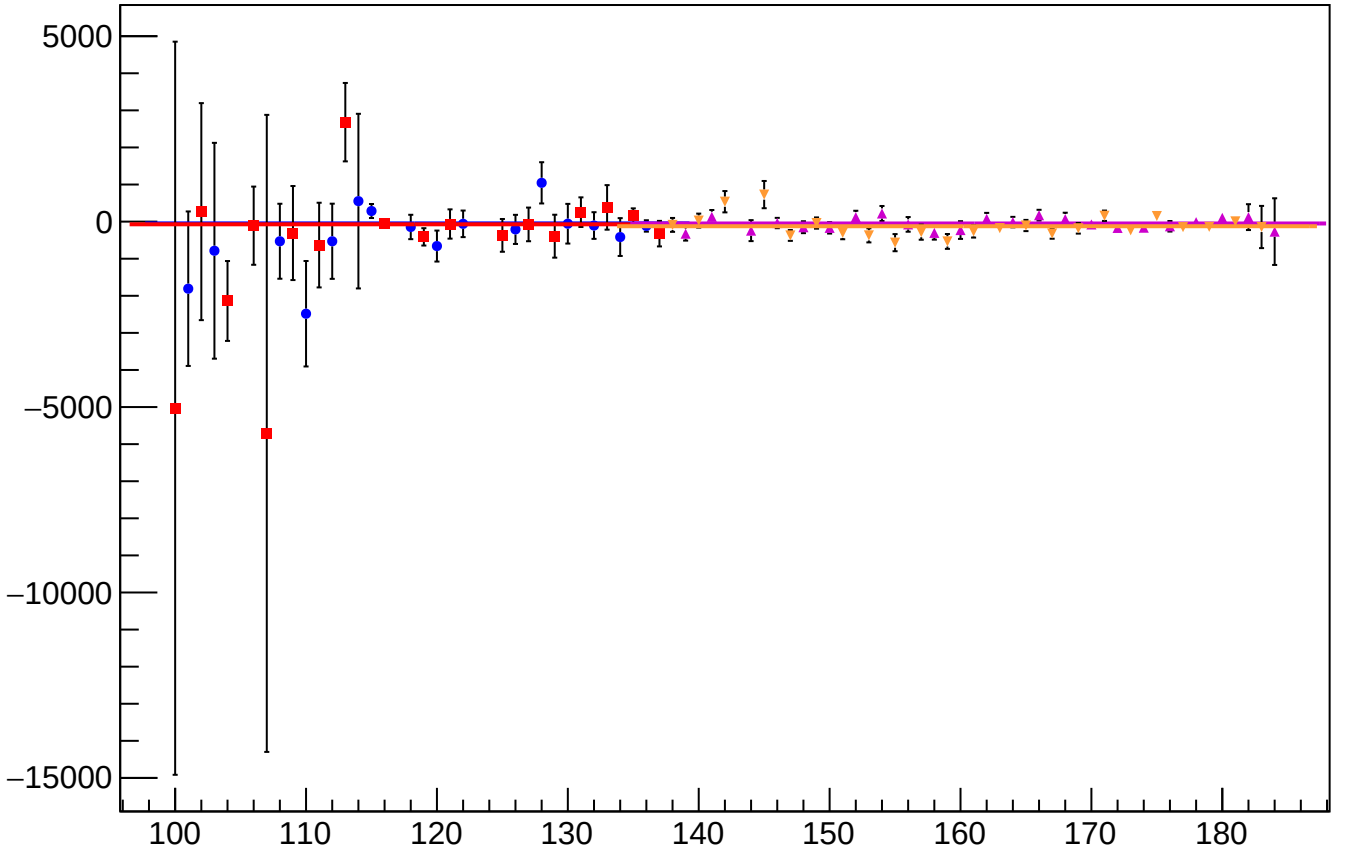
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.983+/-0.311 χ^2/NDF: 546737.0/38

All: 2214.316+/-0.220 χ^2/NDF: 743134.2/79

- sign 2217.642+/-0.311 χ^2/NDF: 196167.7/40



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -124.175+/-31.424 χ^2/NDF:42.2/22

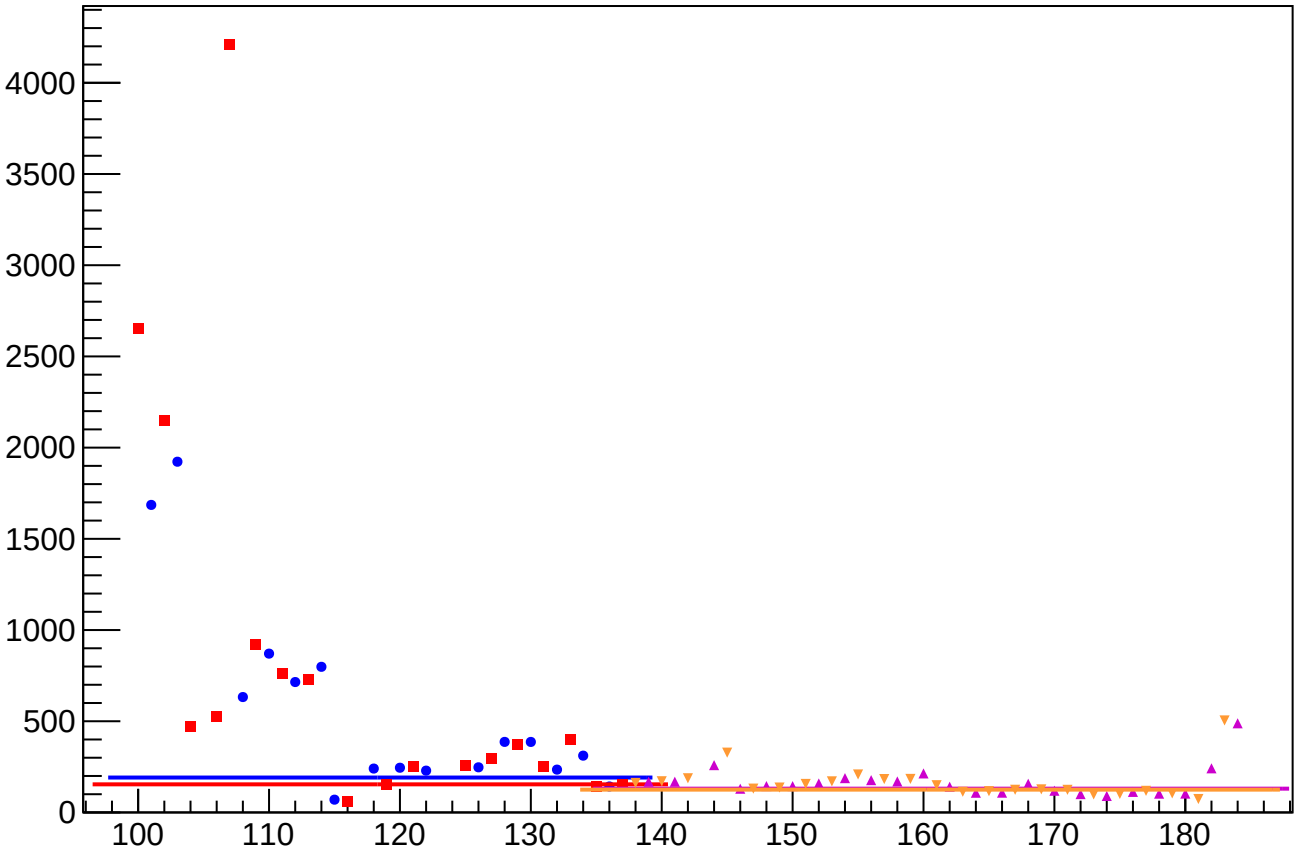
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.042+/-29.700 χ^2/NDF: 57.2/38

All: -85.208+/-21.199 χ^2/NDF: 95.1/79

- sign -53.182+/-30.268 χ^2/NDF: 35.7/40



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

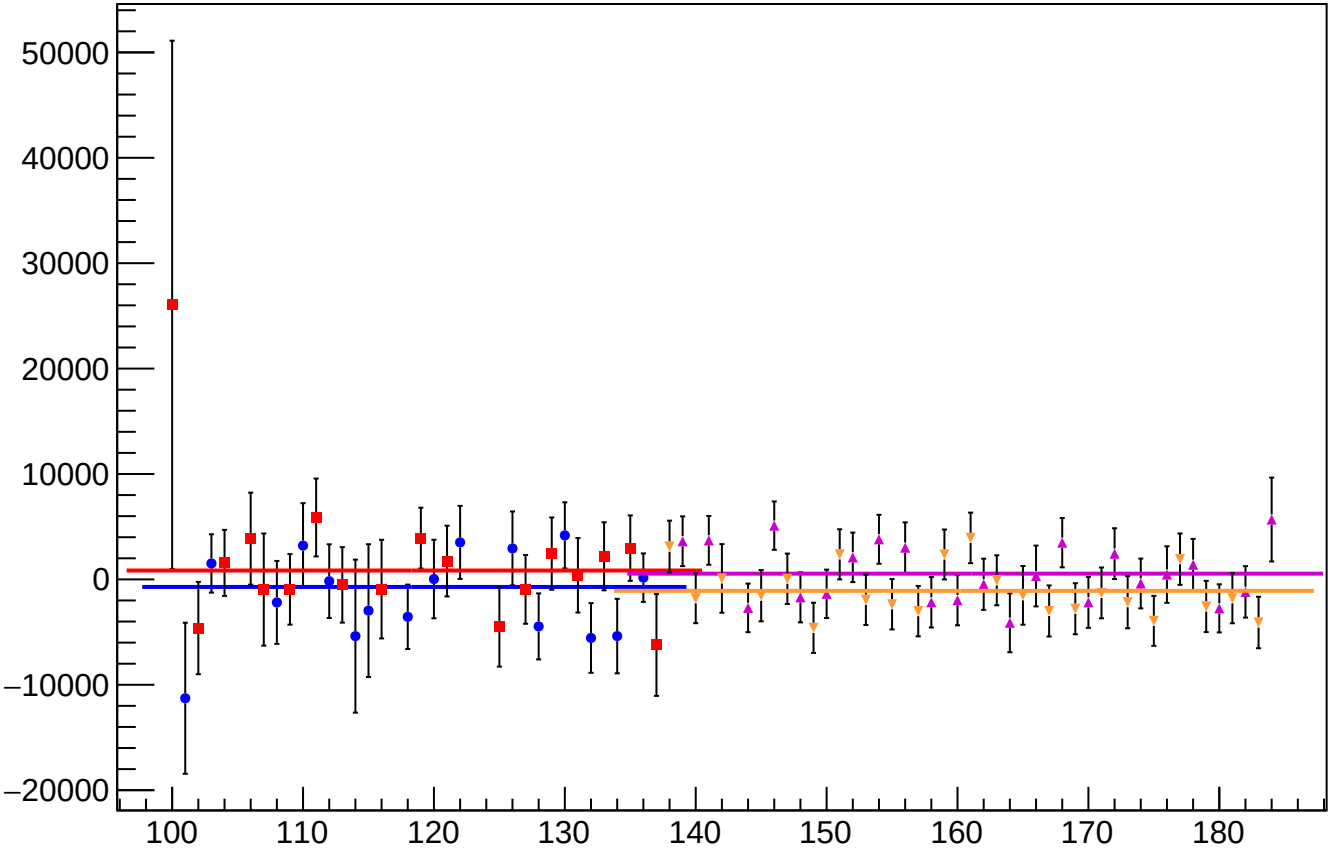
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.196+/-0.021 χ^2/NDF: 9665783.7/38

All: 132.910+/-0.015 χ^2/NDF: 18599164.2/79

- sign 133.651+/-0.021 χ^2/NDF: 8931025.8/40

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

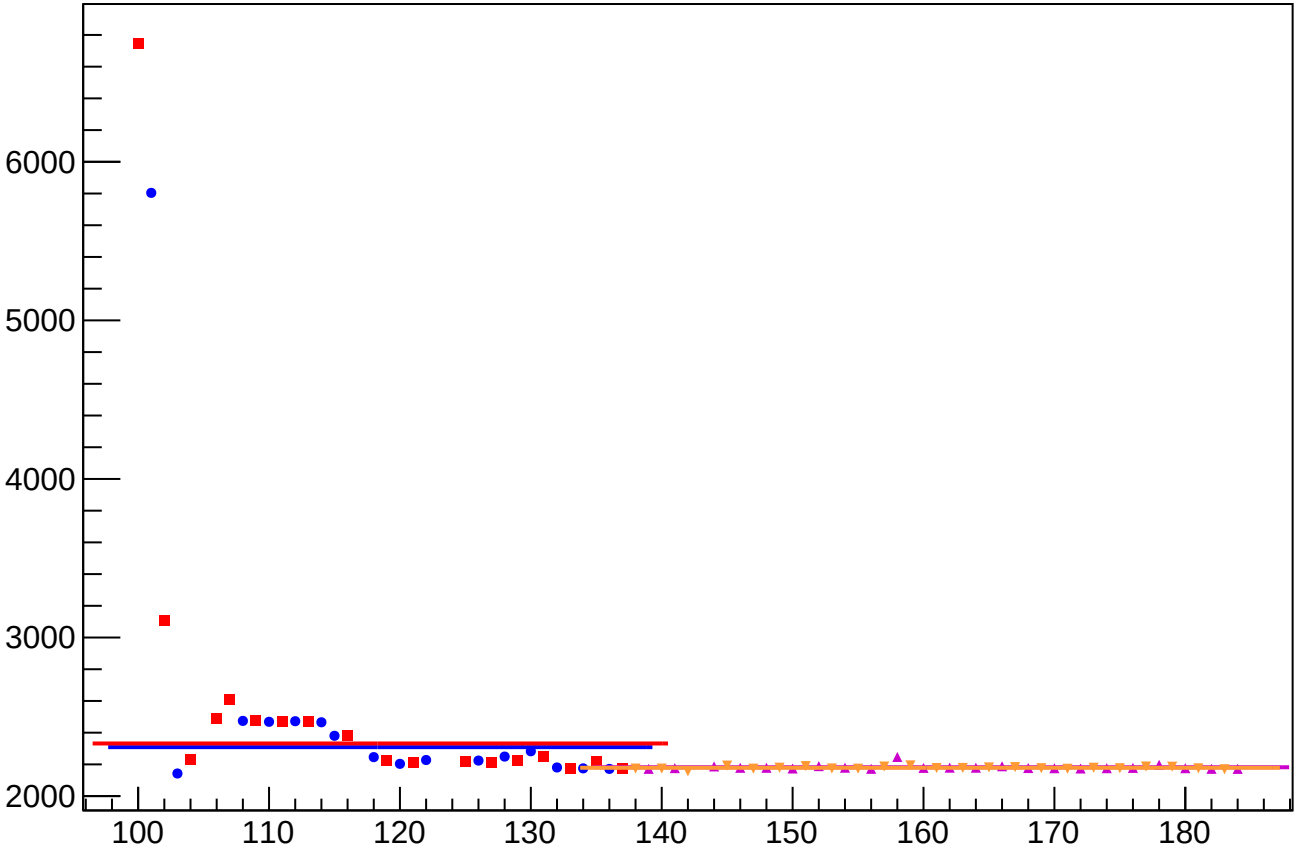
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

\+ sign -994.352+/-439.938 χ^2/NDF: 37.7/38

All: -187.493+/-311.131 χ^2/NDF: 84.6/79

\- sign 619.857+/-440.072 χ^2/NDF: 40.1/40

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

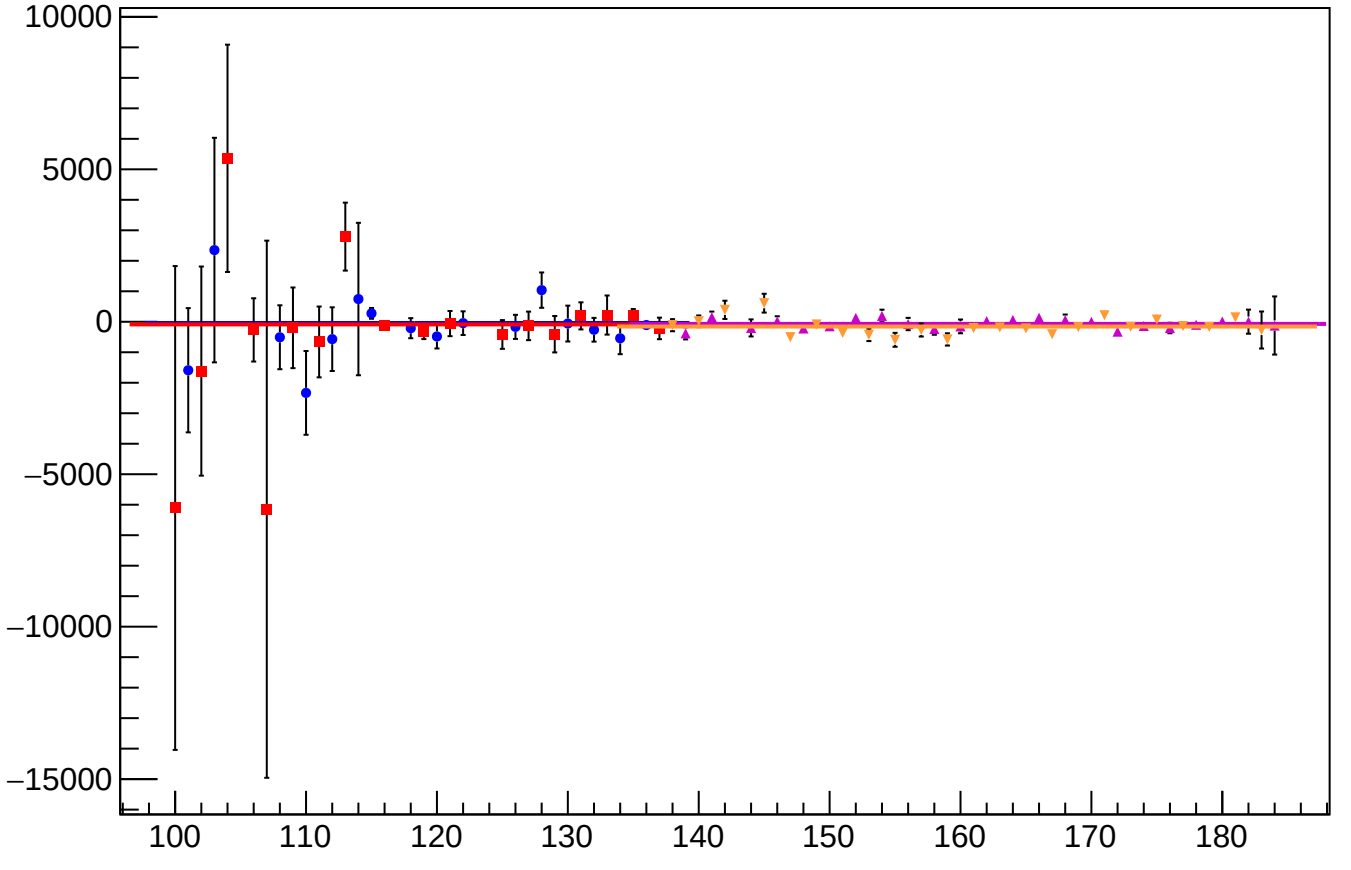
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2211.656+/-0.311 χ^2/NDF: 547283.0/38

All: 2215.796+/-0.220 χ^2/NDF: 760780.3/79

- sign 2219.939+/-0.311 χ^2/NDF: 213142.8/40



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

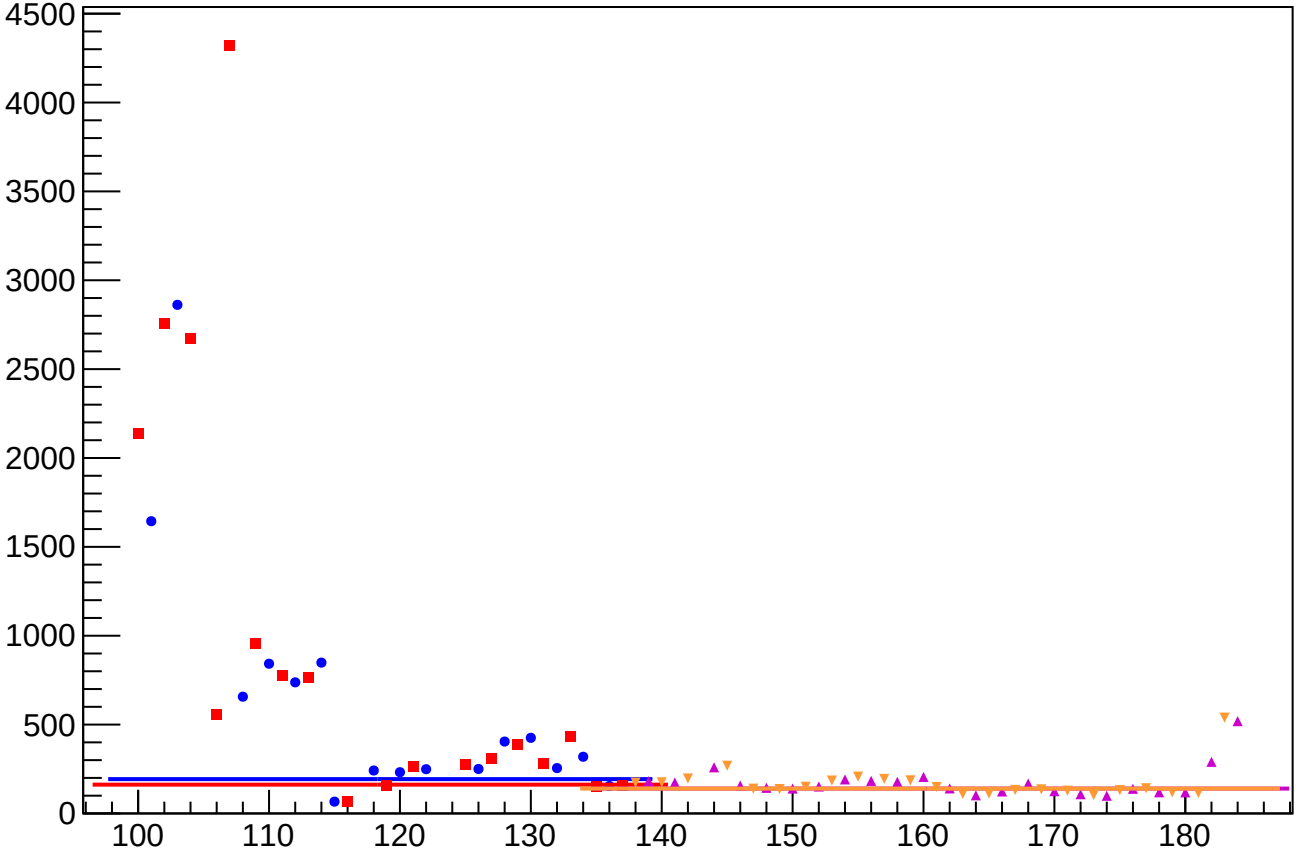
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -142.190+/-31.973 χ^2/NDF: 61.1/38

All: -107.070+/-22.542 χ^2/NDF: 97.5/79

- sign -72.355+/-31.787 χ^2/NDF: 33.9/40

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 139.915+/-0.024 χ^2/NDF:2471048.8/22

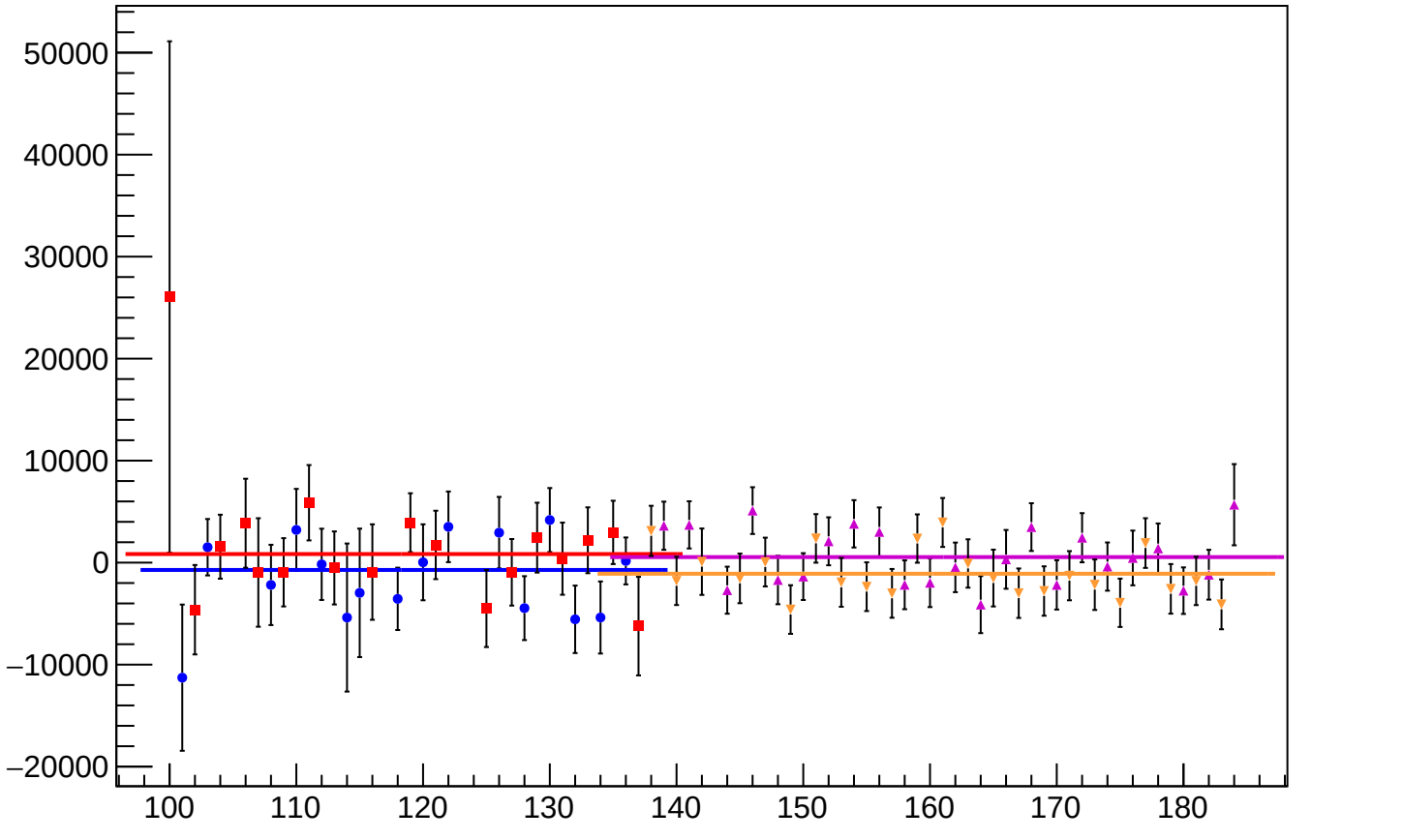
Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 146.300+/-0.023 χ^2/NDF: 8675494.8/38

All: 144.639+/-0.016 χ^2/NDF: 18283377.3/79

- sign 142.996+/-0.022 χ^2/NDF: 9597144.4/40



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1088.561+/-509.235 χ^2/NDF:21.7/22

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

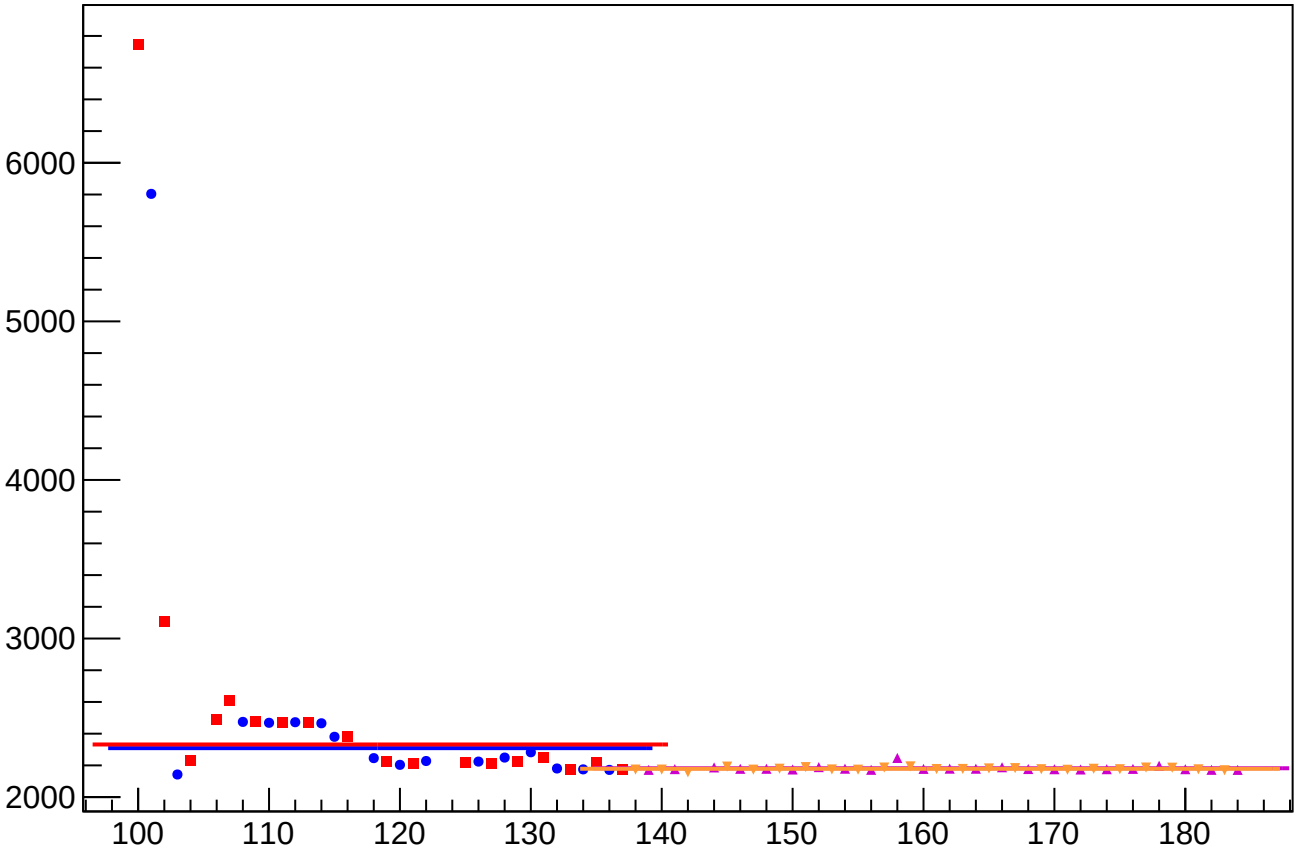
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

\+ sign -994.353+/-439.938 χ^2/NDF: 37.7/38

All: -187.494+/-311.131 χ^2/NDF: 84.6/79

\- sign 619.857+/-440.072 χ^2/NDF: 40.1/40

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

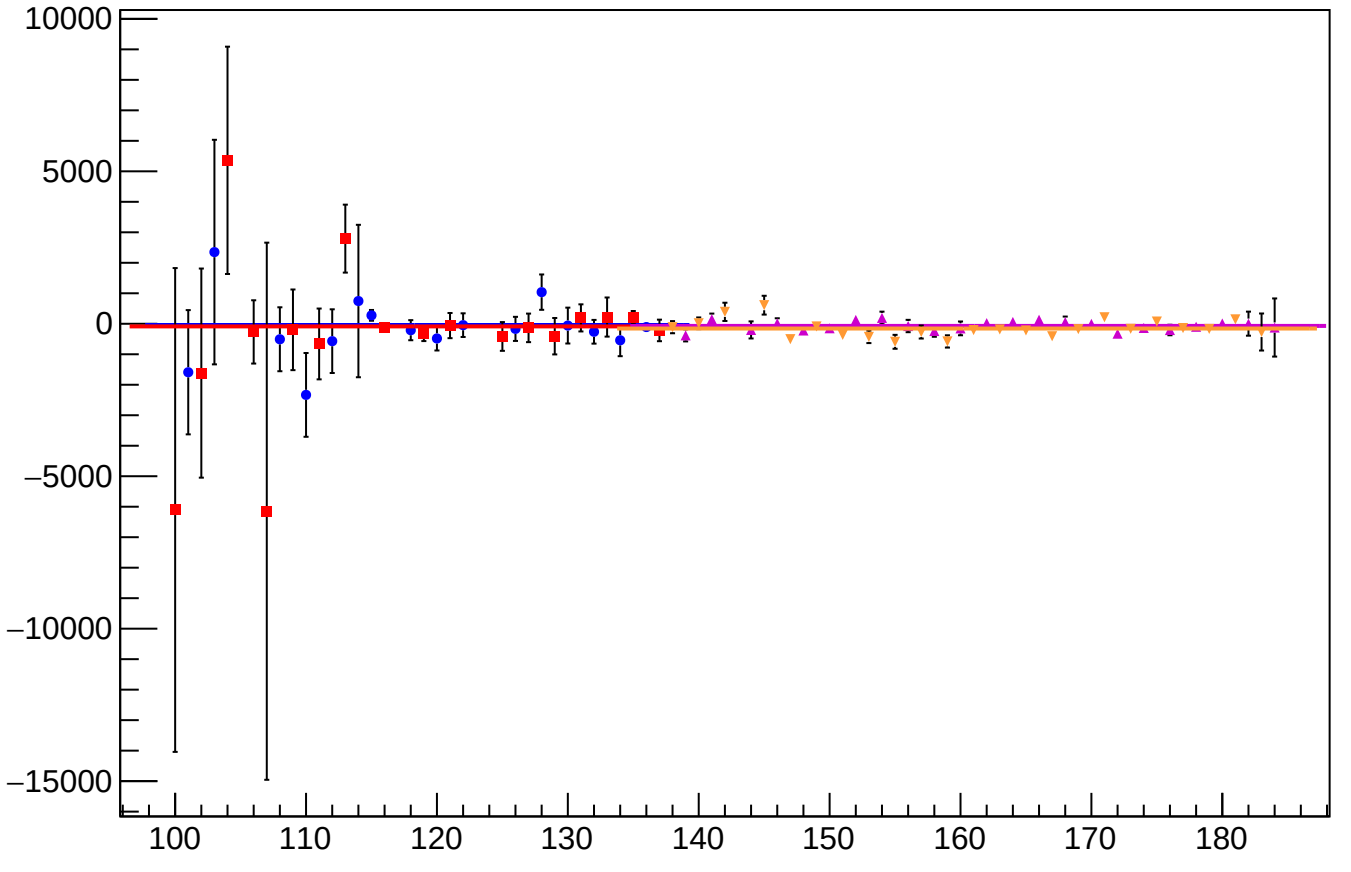
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2211.656+/-0.311 χ^2/NDF: 547283.0/38

All: 2215.796+/-0.220 χ^2/NDF: 760780.2/79

- sign 2219.939+/-0.311 χ^2/NDF: 213142.7/40



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -156.072+/-34.077 χ^2/NDF:45.7/22

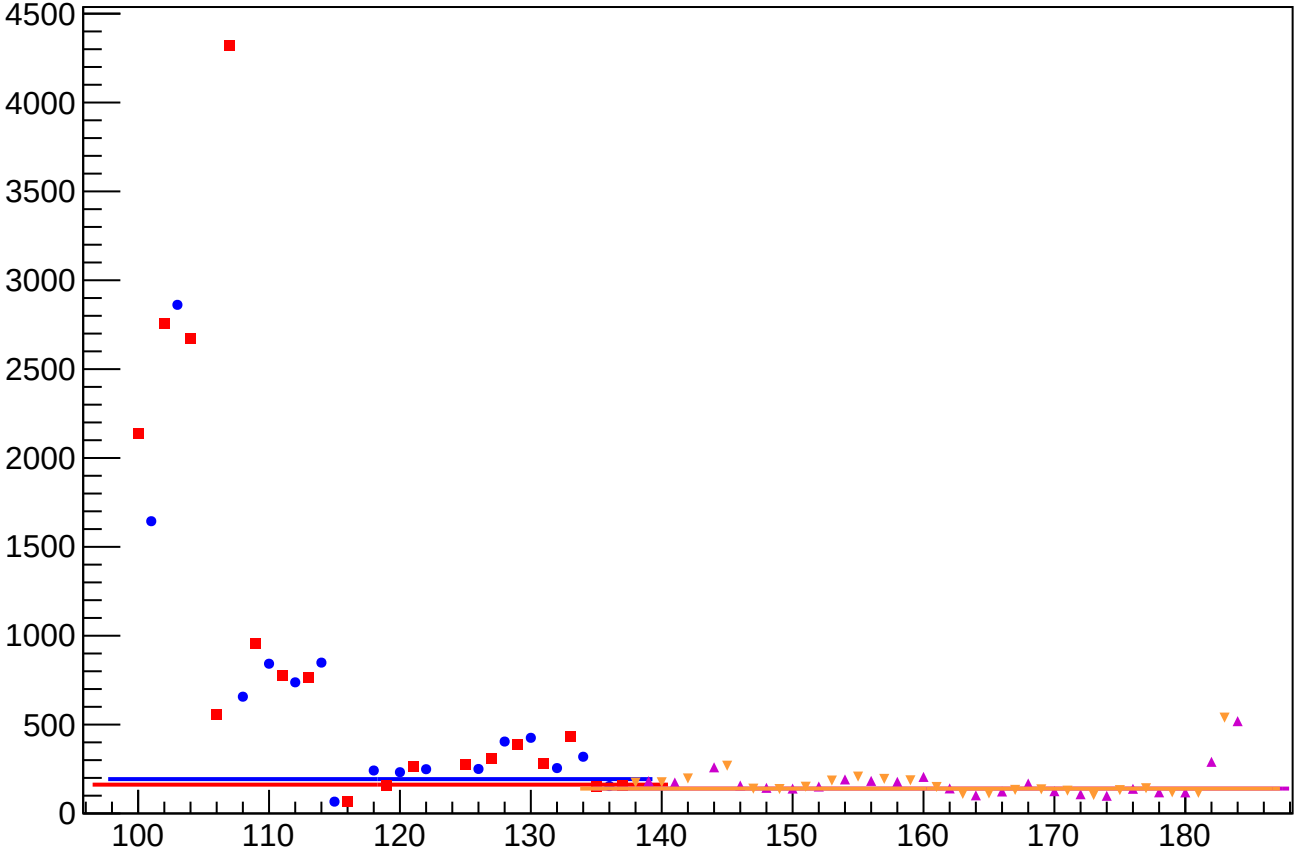
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -142.191+/-31.973 χ^2/NDF: 61.1/38

All: -107.070+/-22.542 χ^2/NDF: 97.5/79

- sign -72.355+/-31.787 χ^2/NDF: 33.9/40



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

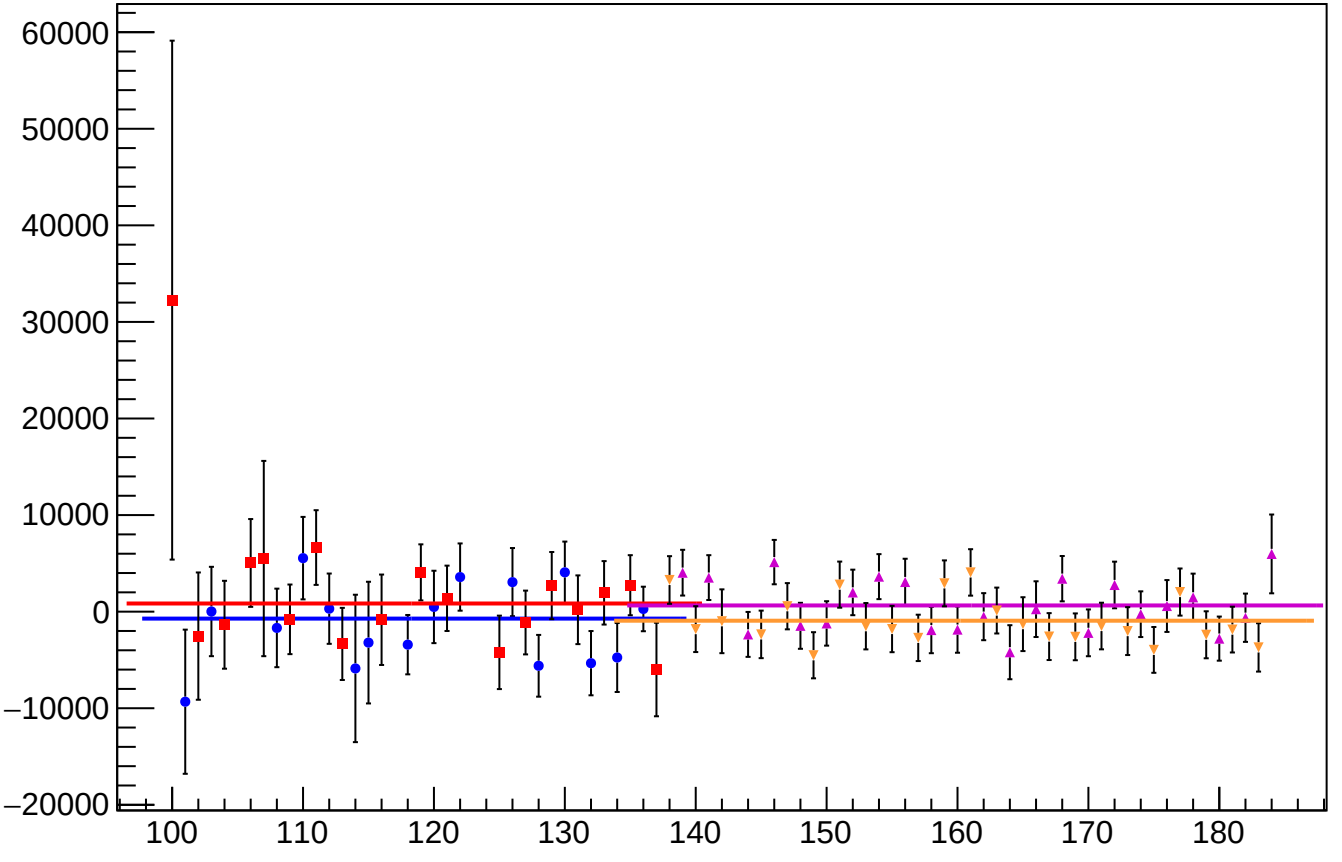
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 146.300+/-0.023 χ^2/NDF: 8675479.0/38

All: 144.639+/-0.016 χ^2/NDF: 18283453.3/79

- sign 142.996+/-0.022 χ^2/NDF: 9597234.2/40

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

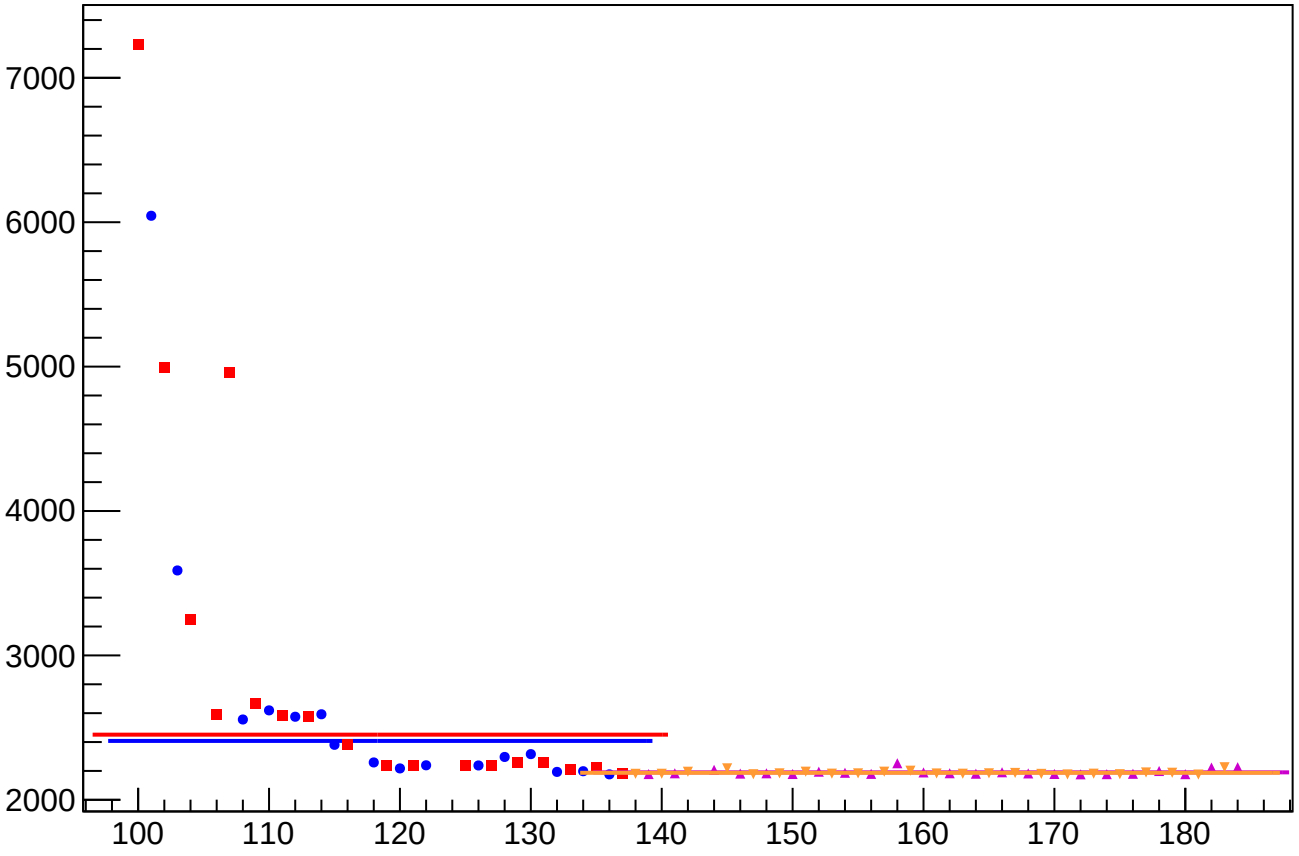
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -885.770+/-446.403 χ^2/NDF: 38.2/38

All: -100.727+/-316.201 χ^2/NDF: 84.4/79

- sign 689.778+/-447.953 χ^2/NDF: 40.0/40

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

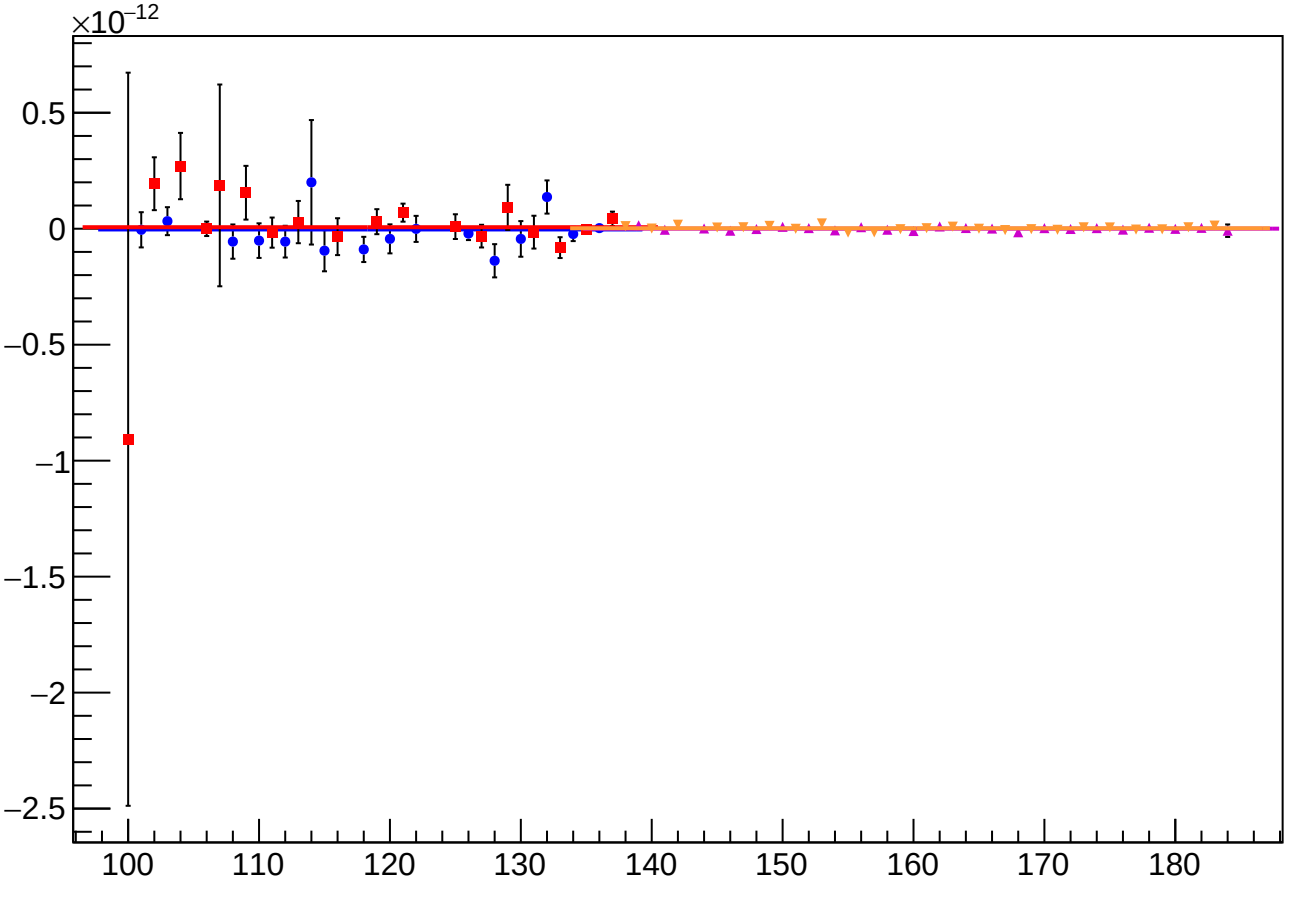
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2239.489+/-0.316 χ^2/NDF: 766574.3/38

All: 2245.171+/-0.224 χ^2/NDF: 1524604.6/79

- sign 2250.892+/-0.317 χ^2/NDF: 757380.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/22

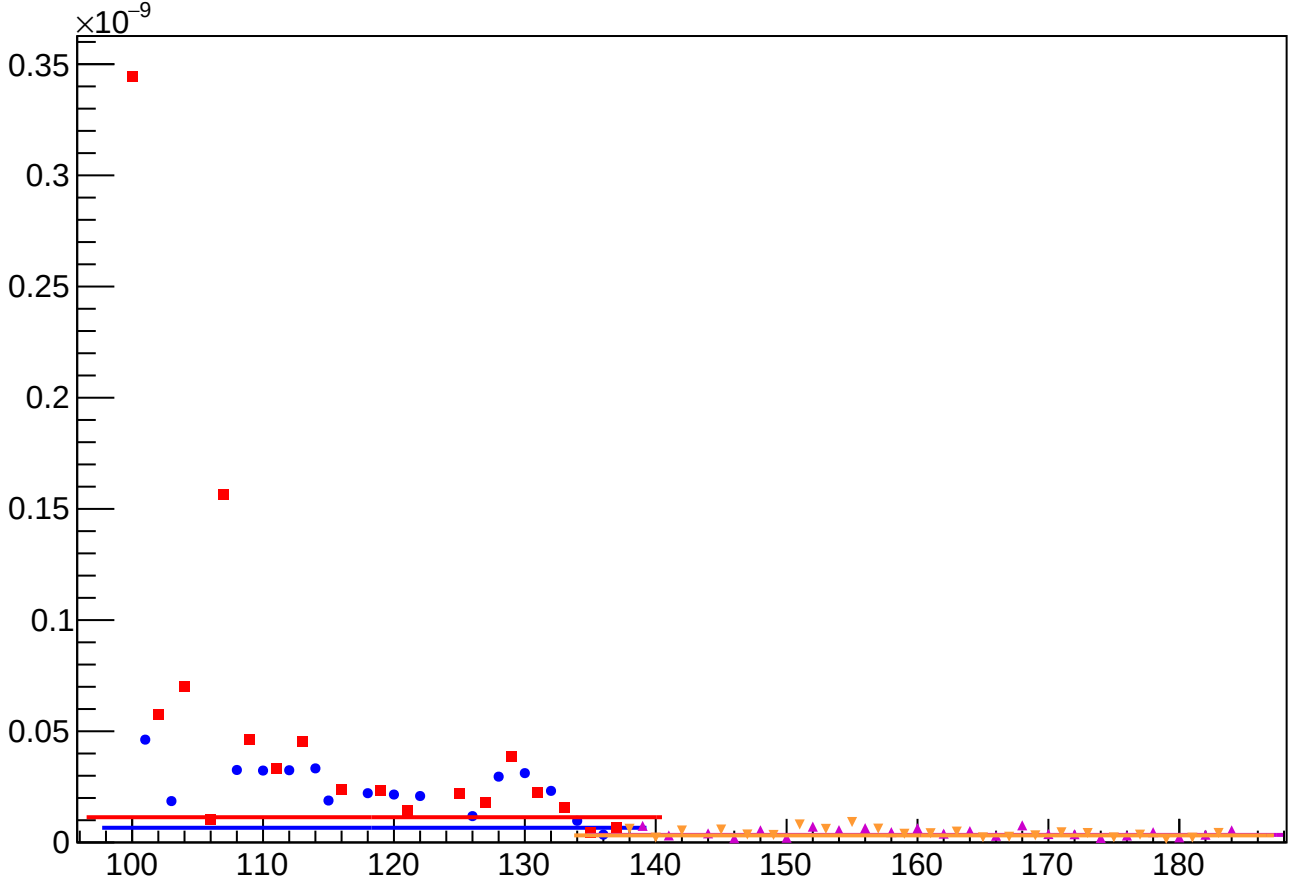
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/38

All: 0.000+/-0.000 χ^2/NDF: 68.6/79

- sign 0.000+/-0.000 χ^2/NDF: 32.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2029200.7/22

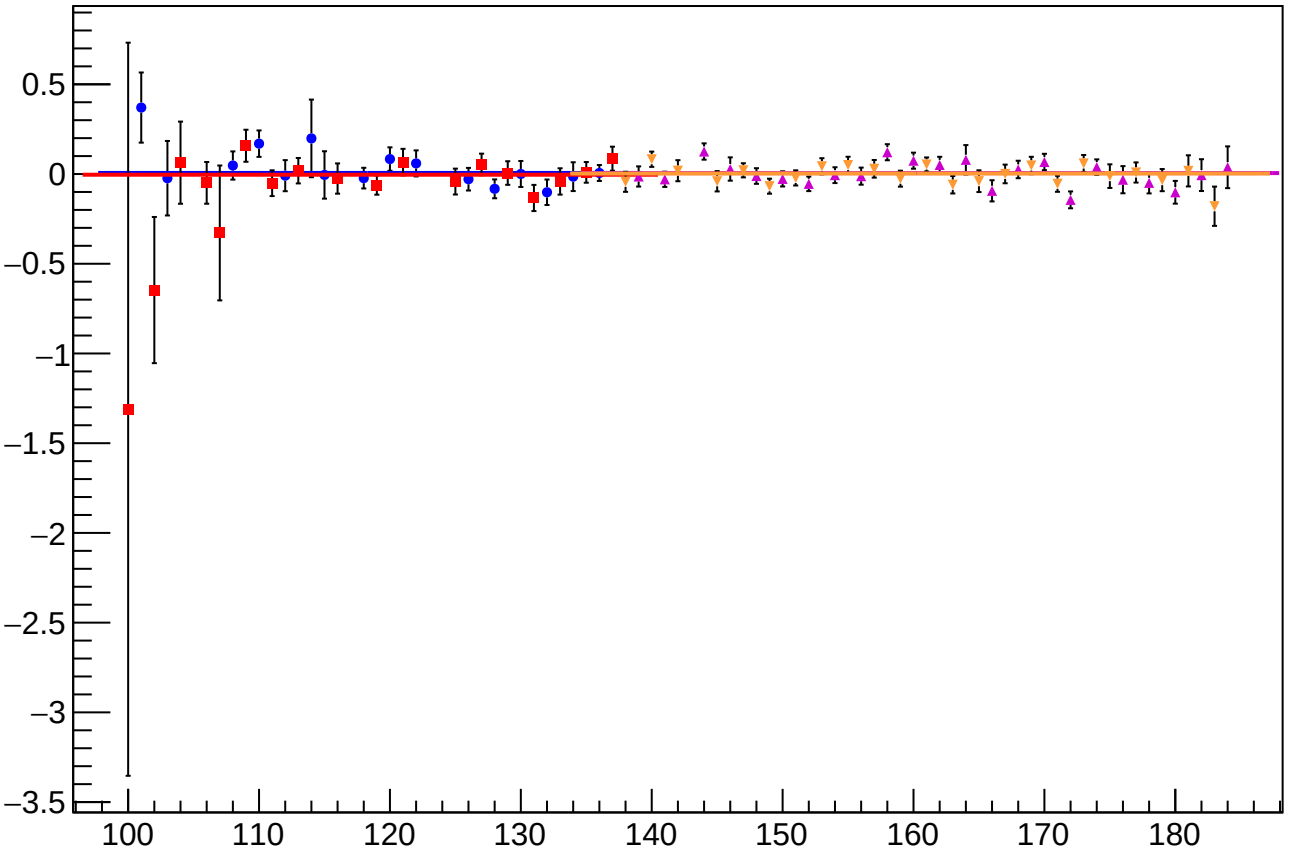
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5446057.6/38

All: 0.000+/-0.000 χ^2/NDF: 11165627.0/79

- sign 0.000+/-0.000 χ^2/NDF: 5693189.9/40



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.7/22

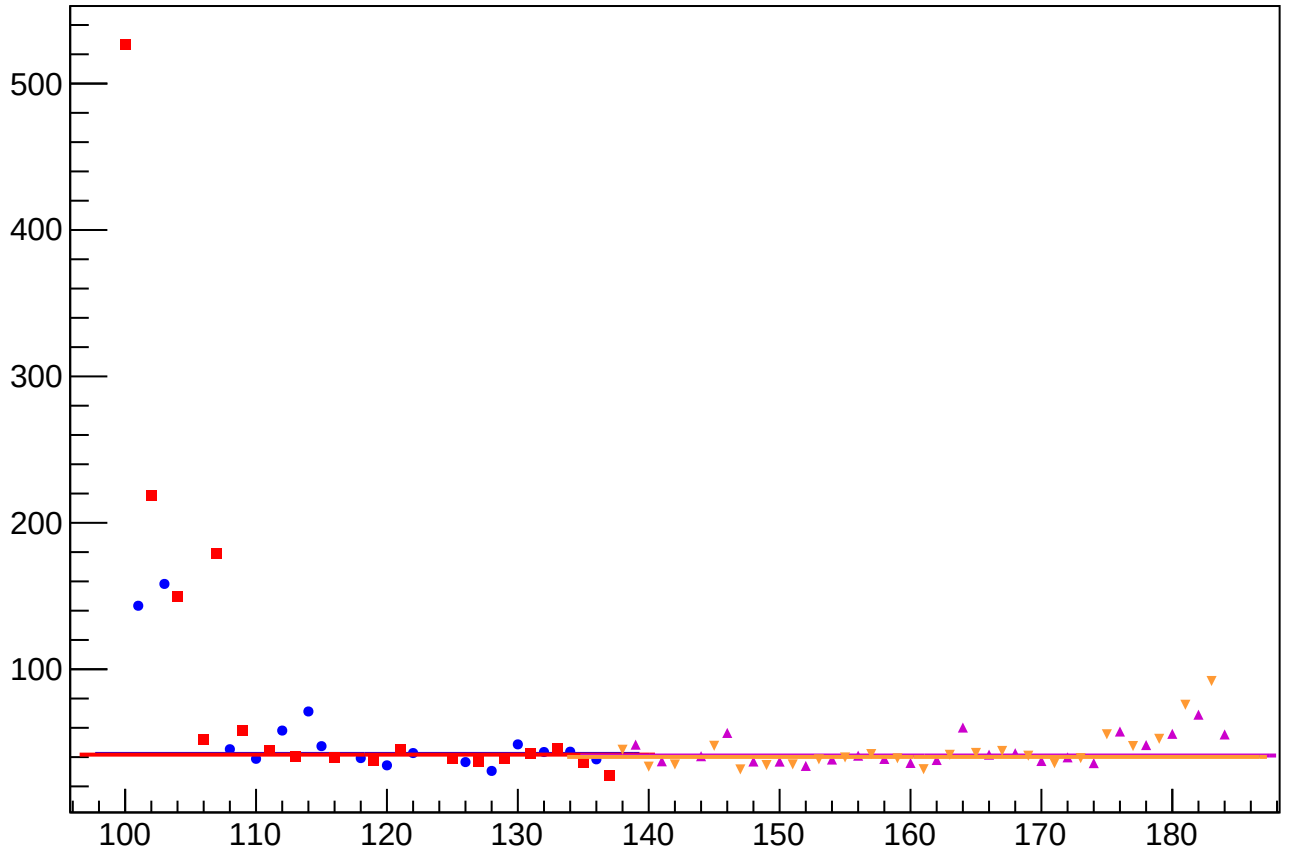
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 38.9/38

All: 0.003+/-0.006 χ^2/NDF: 96.8/79

- sign 0.003+/-0.009 χ^2/NDF: 57.9/40



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 40.126+/-0.007 χ^2/NDF:1421371.2/22

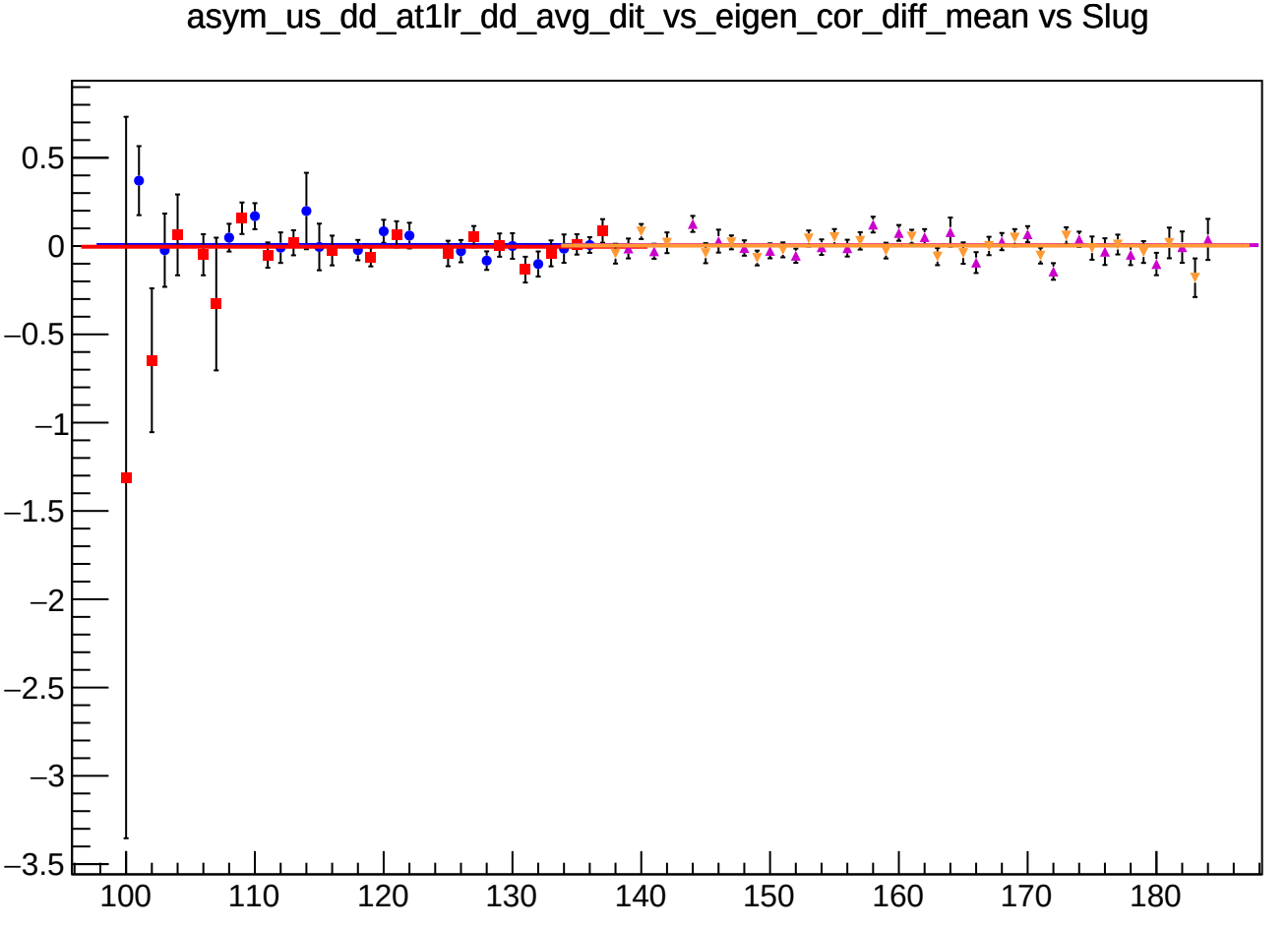
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.626+/-0.006 χ^2/NDF: 2894584.2/38

All: 40.924+/-0.005 χ^2/NDF: 5268672.0/79

- sign 41.231+/-0.006 χ^2/NDF: 2369674.4/40



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.7/22

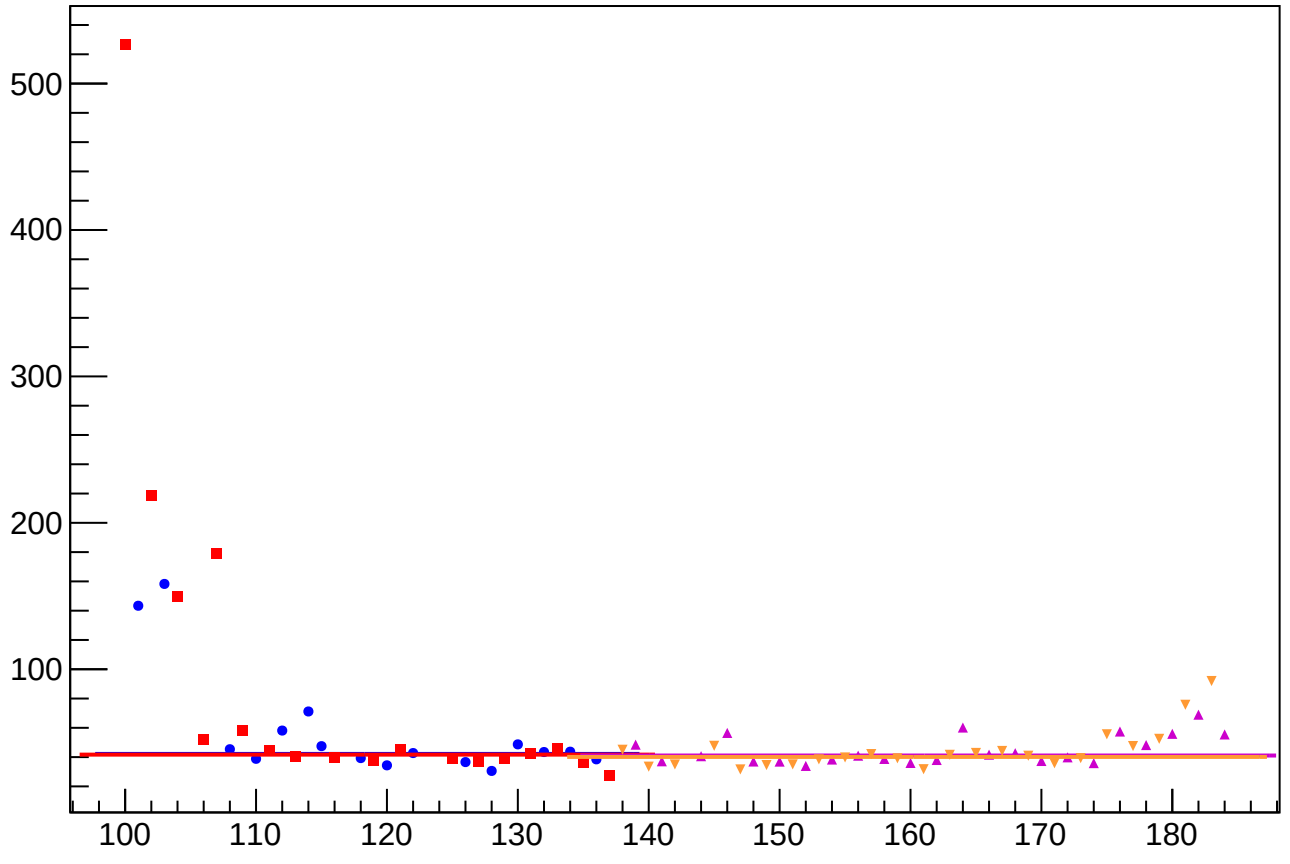
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 38.9/38

All: 0.003+/-0.006 χ^2/NDF: 96.8/79

- sign 0.003+/-0.009 χ^2/NDF: 57.9/40



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 40.126+/-0.007 χ^2/NDF:1421371.2/22

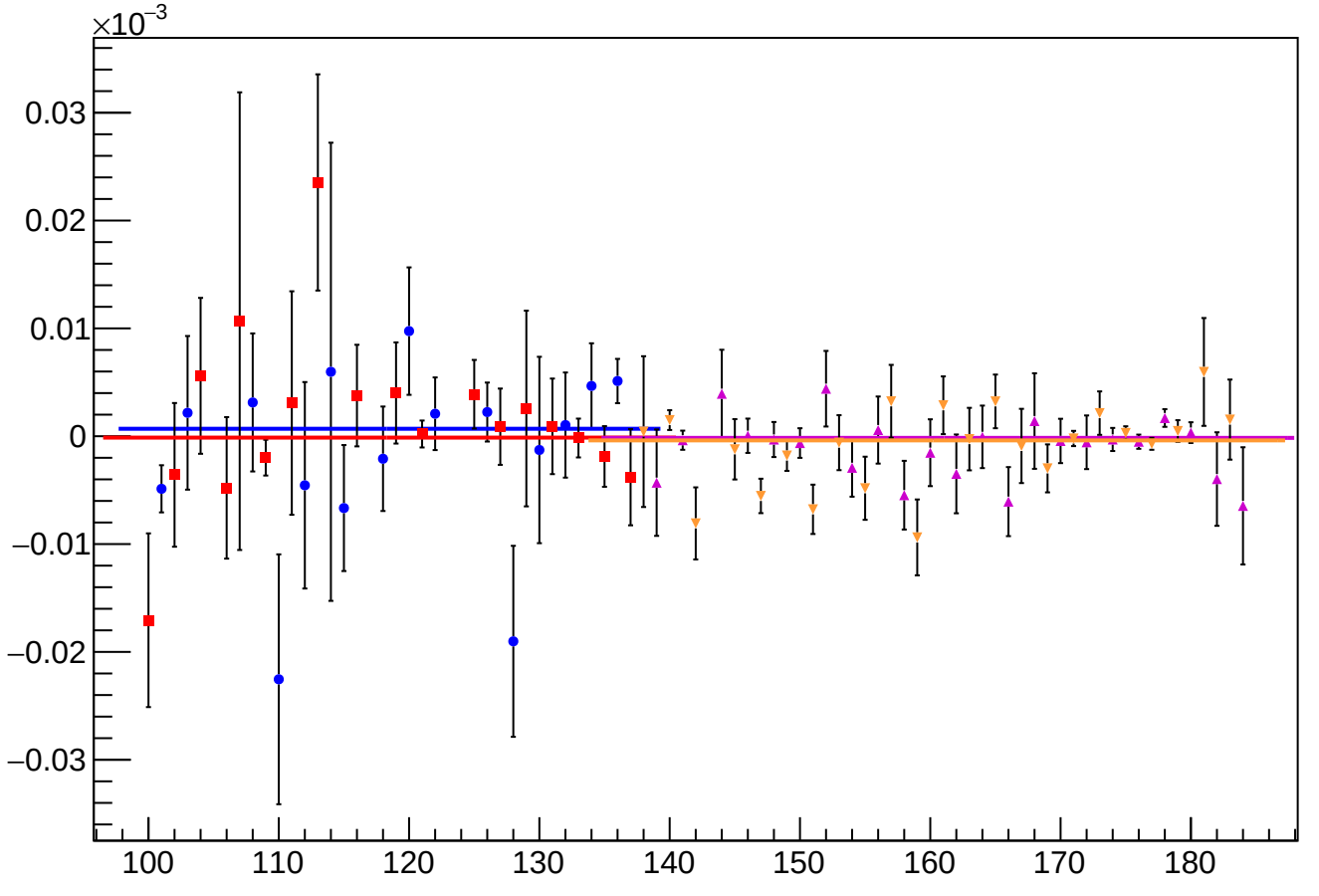
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.626+/-0.006 χ^2/NDF: 2894584.2/38

All: 40.924+/-0.005 χ^2/NDF: 5268672.0/79

- sign 41.231+/-0.006 χ^2/NDF: 2369674.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.6/22

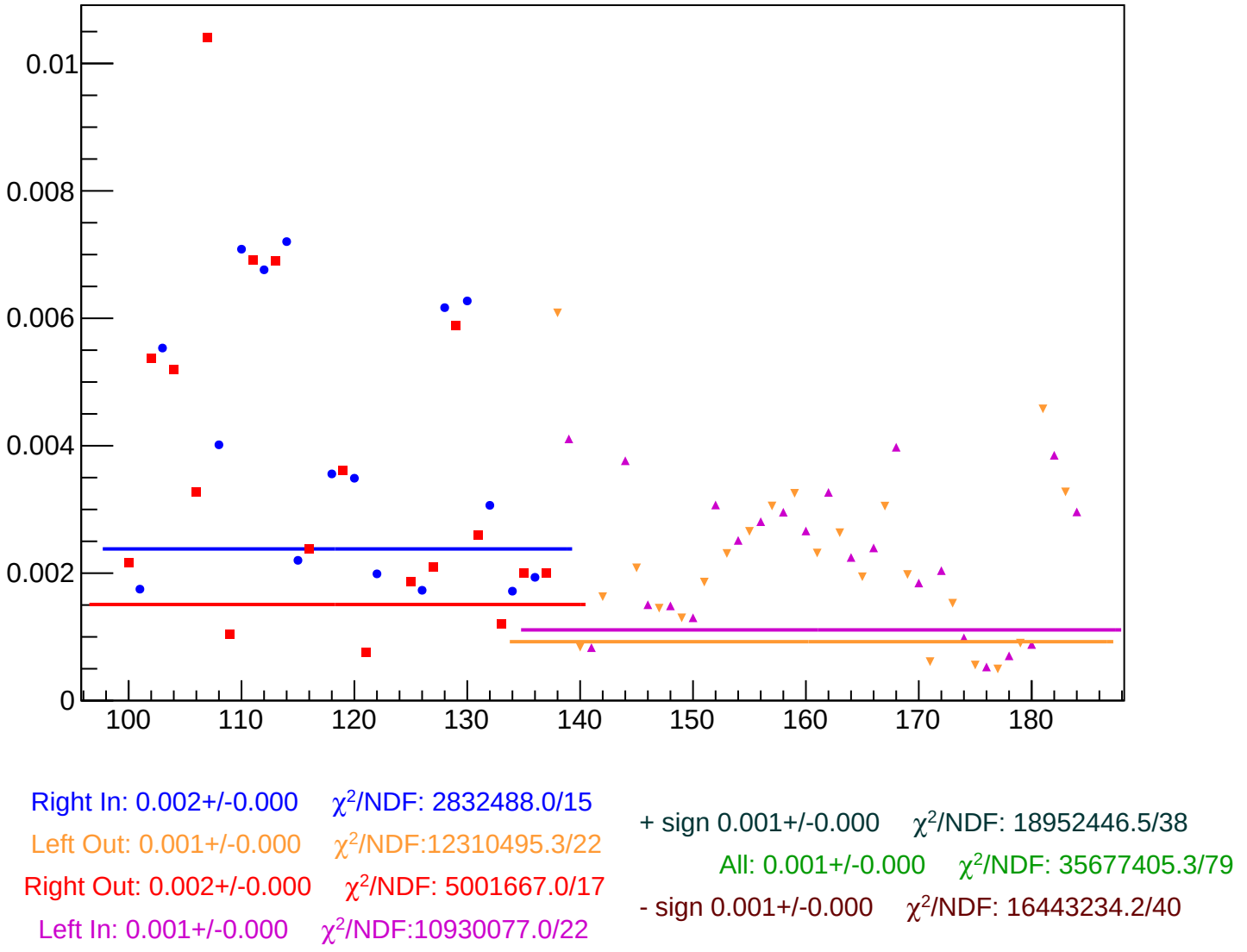
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.1/38

All: -0.000+/-0.000 χ^2/NDF: 114.6/79

- sign -0.000+/-0.000 χ^2/NDF: 37.3/40


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
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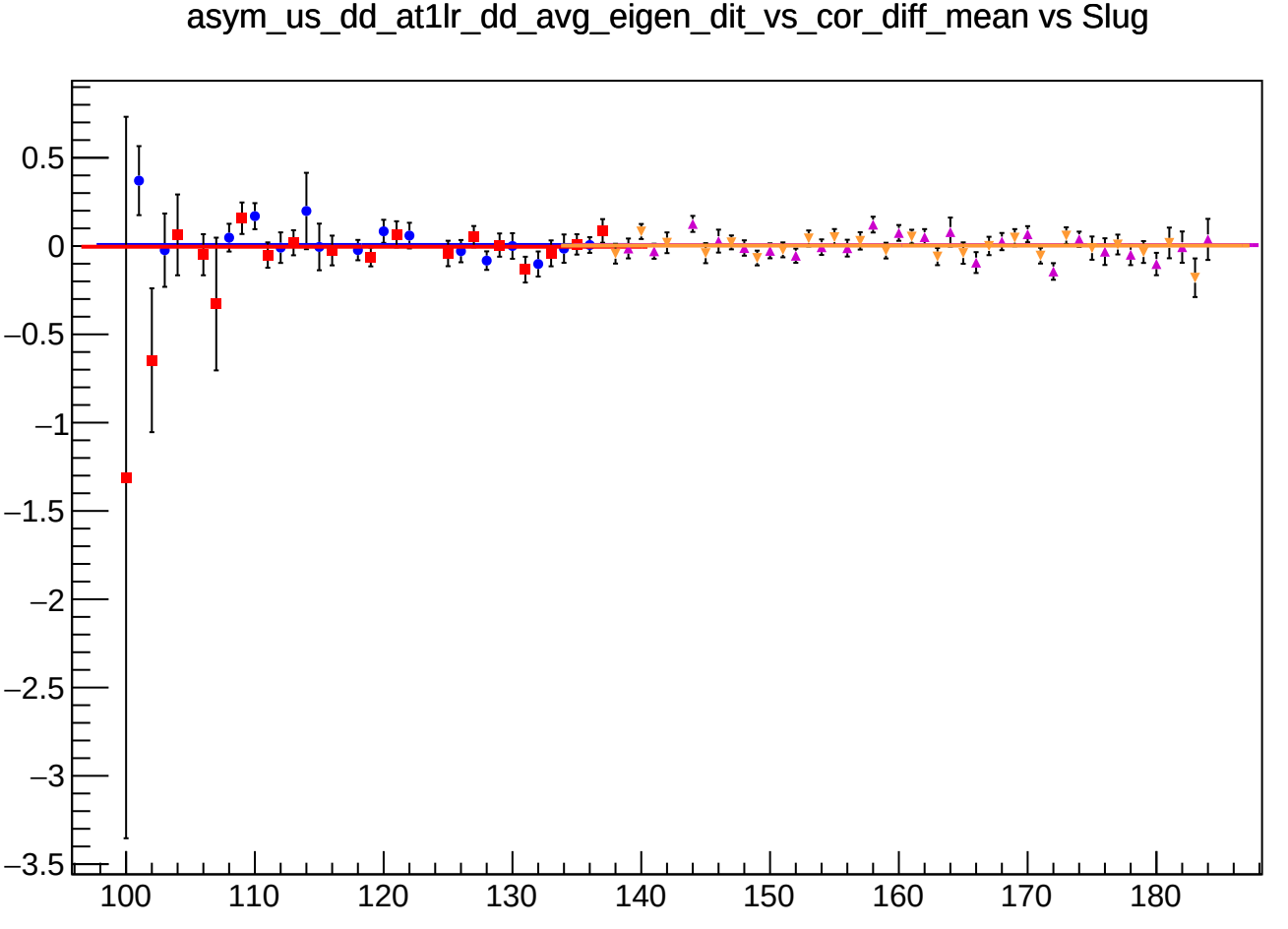
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:12310495.3/22
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 18952446.5/38
All: 0.001+/-0.000 χ²/NDF: 35677405.3/79
- sign 0.001+/-0.000 χ²/NDF: 16443234.2/40



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.7/22

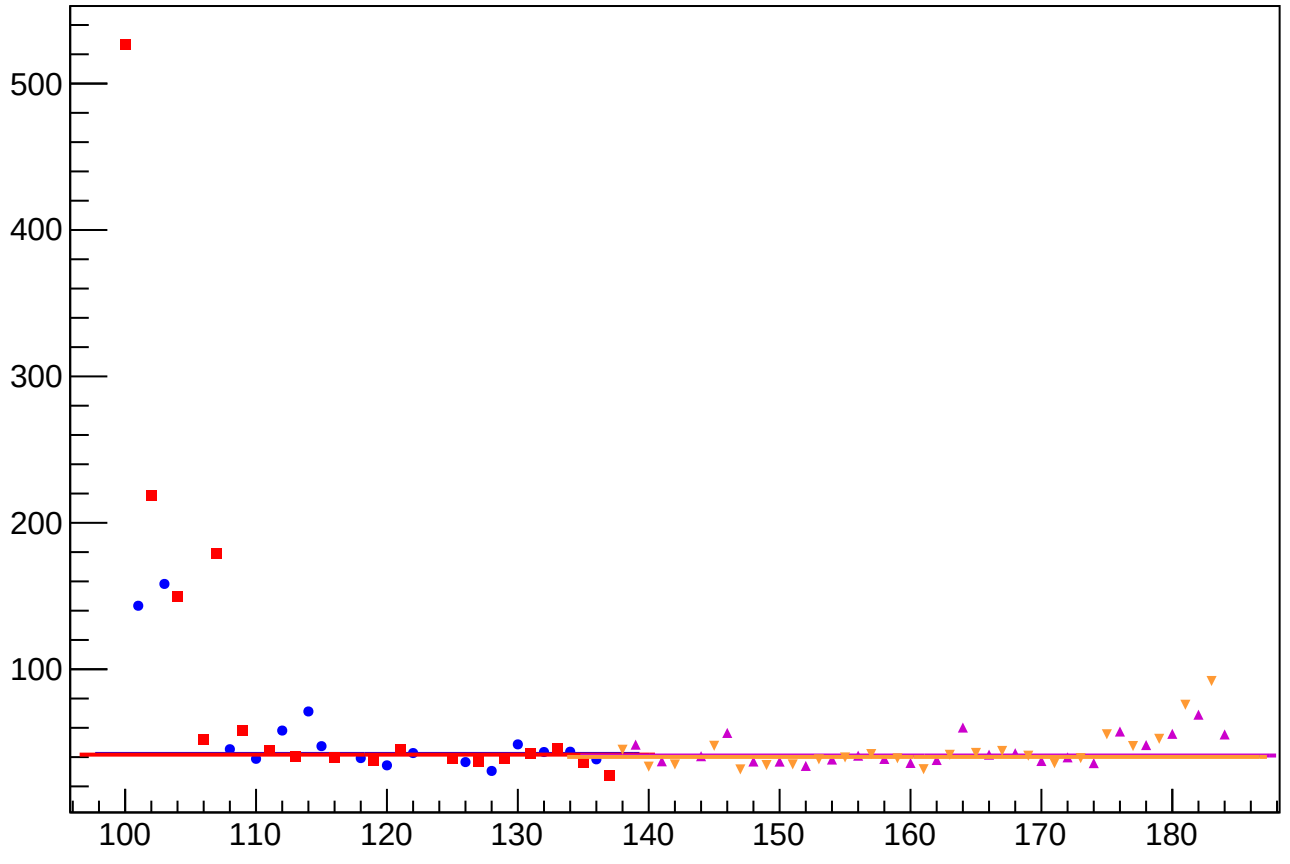
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 38.9/38

All: 0.003+/-0.006 χ^2/NDF: 96.8/79

- sign 0.003+/-0.009 χ^2/NDF: 57.9/40



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 40.126+/-0.007 χ^2/NDF:1421349.4/22

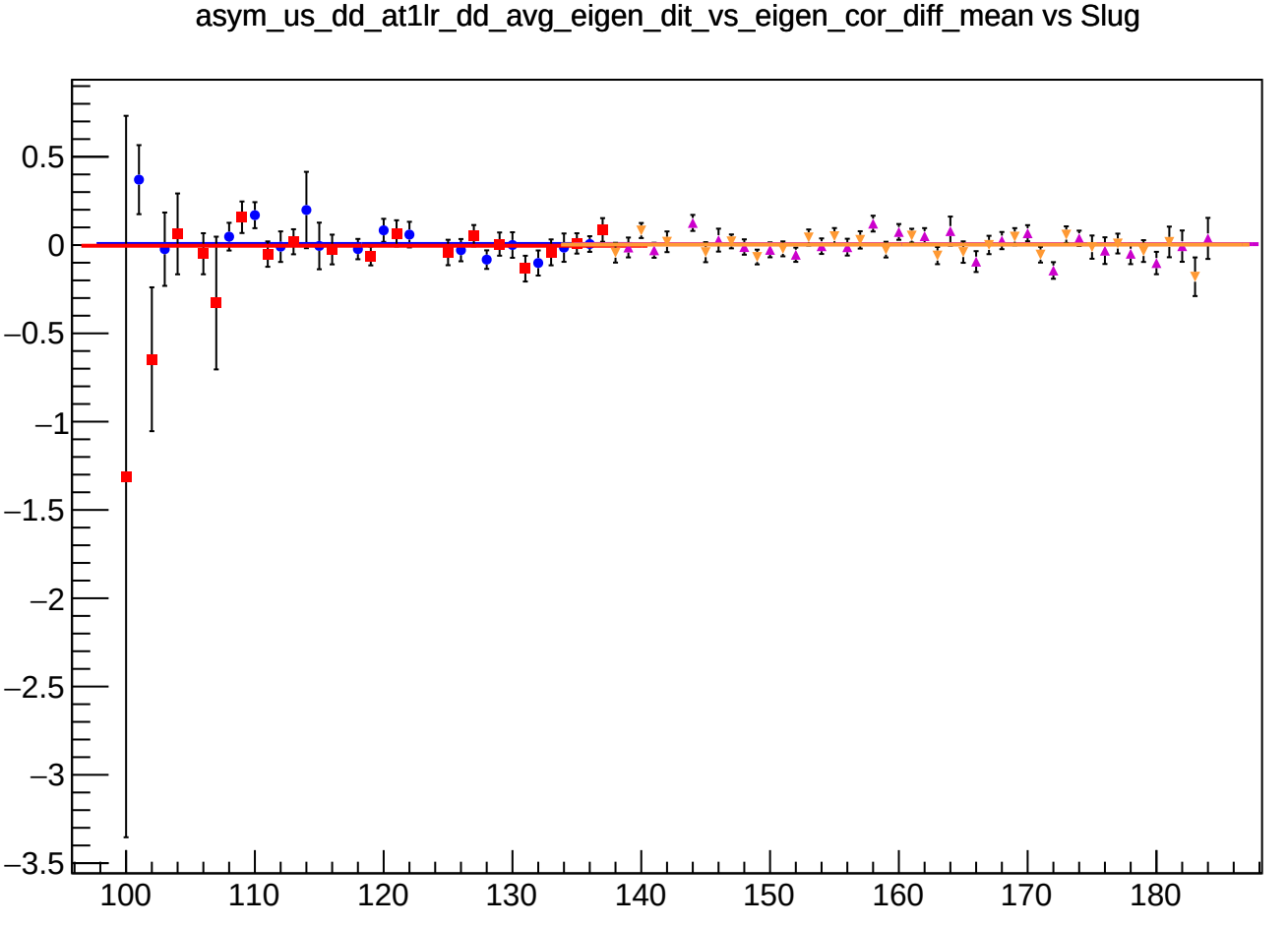
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 40.625+/-0.006 χ^2/NDF: 2894730.1/38

All: 40.923+/-0.005 χ^2/NDF: 5268849.3/79

- sign 41.231+/-0.006 χ^2/NDF: 2369696.8/40



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.010 χ^2/NDF:21.7/22

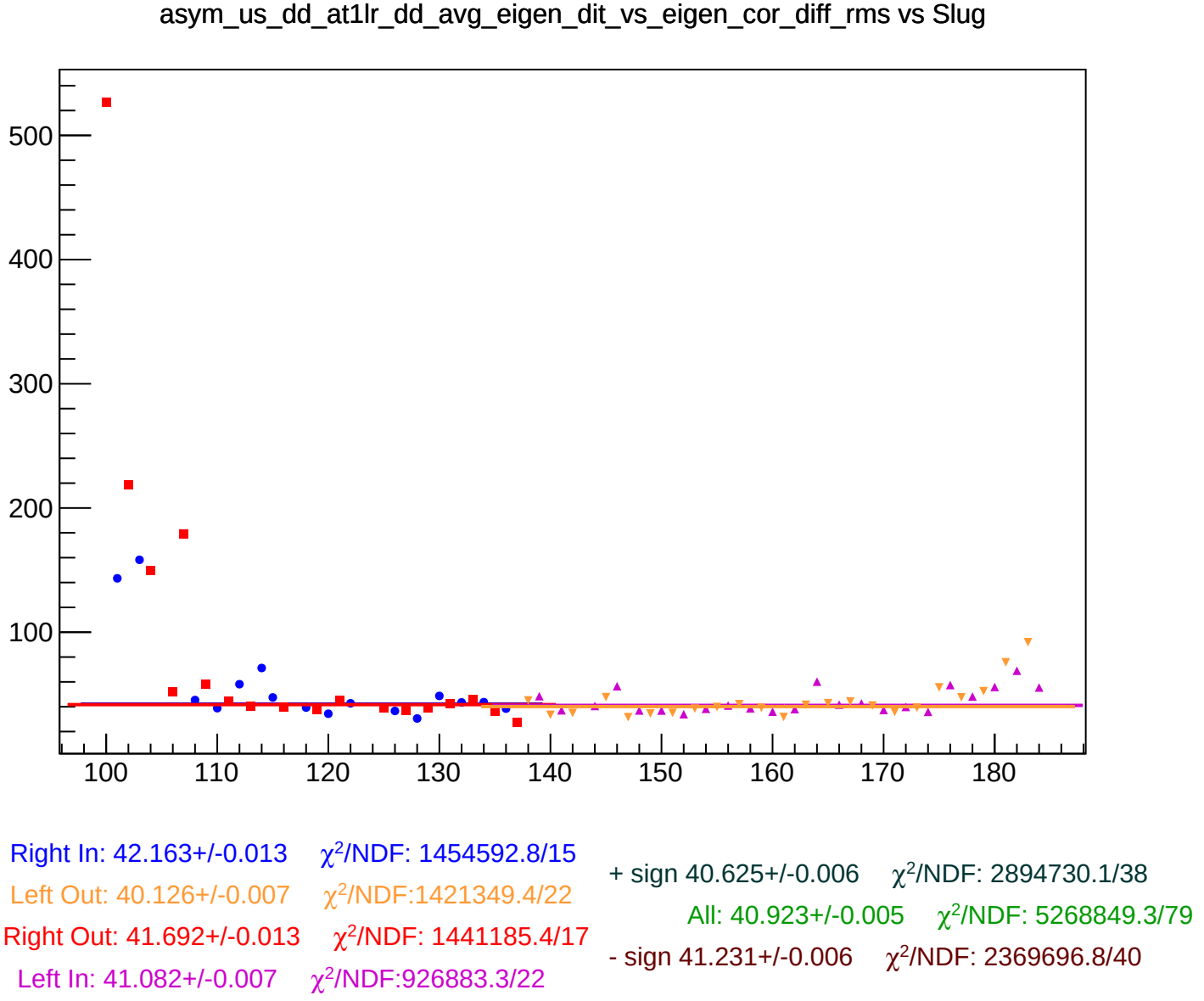
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

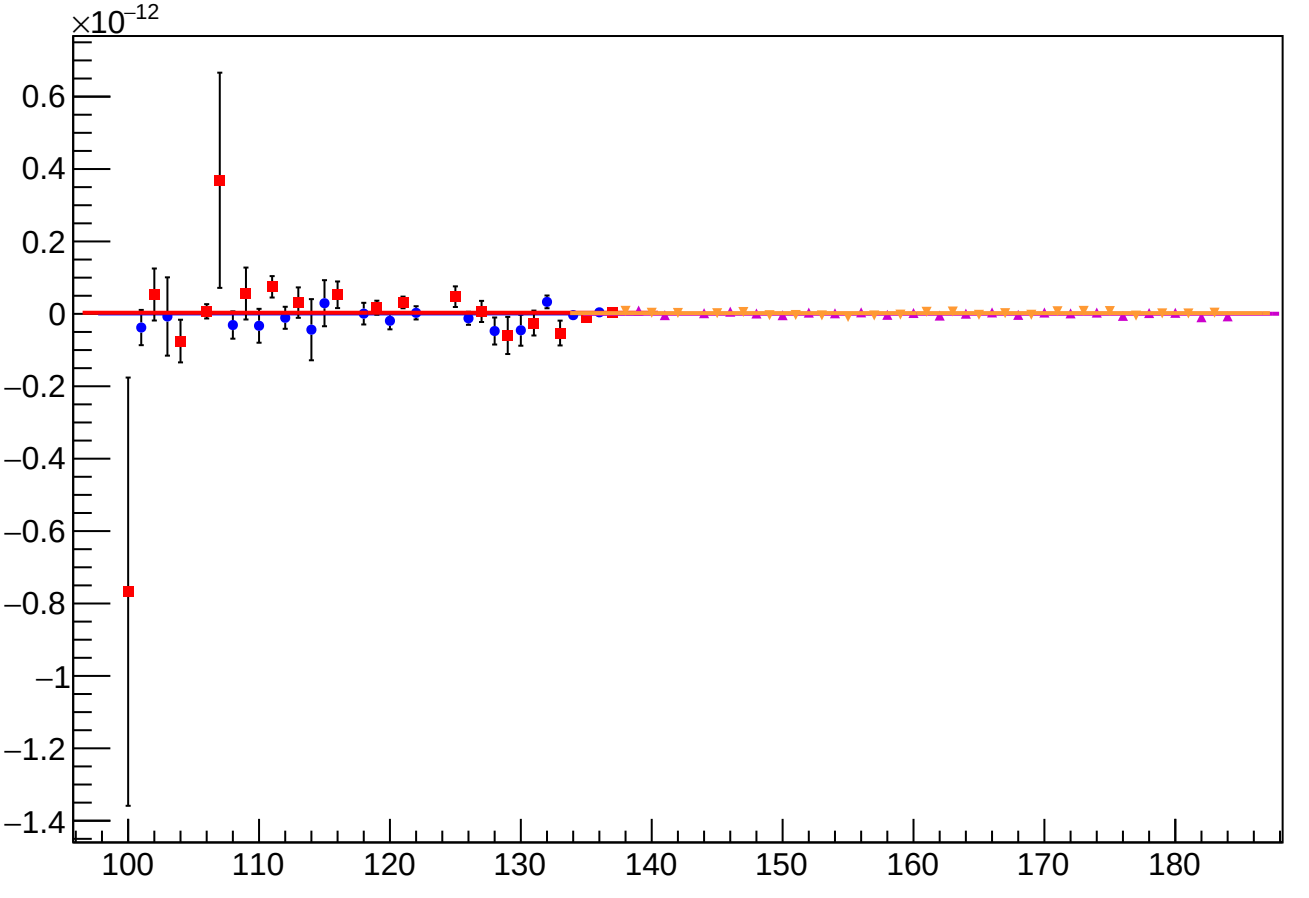
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

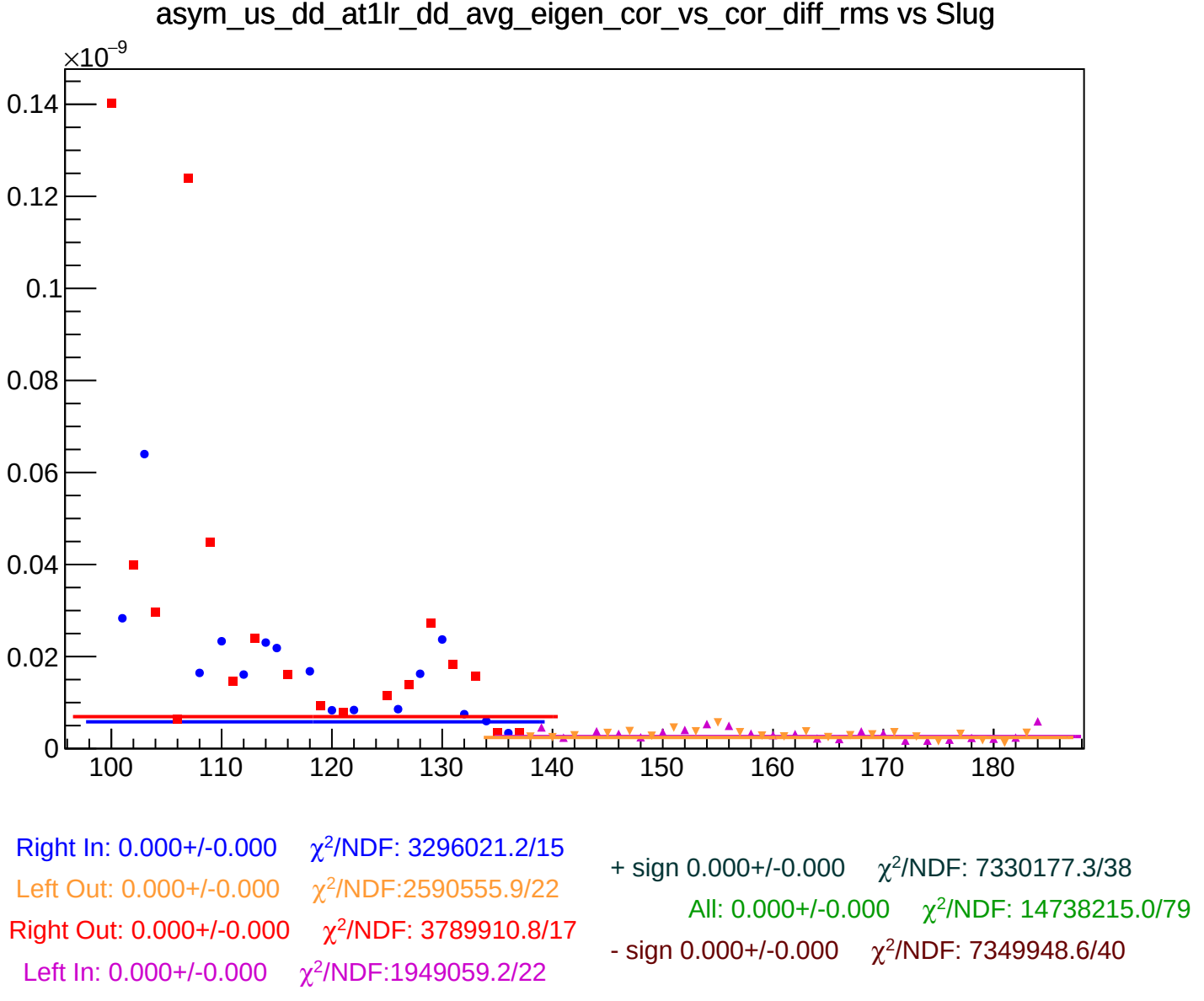
+ sign 0.004+/-0.009 χ^2/NDF: 38.9/38

All: 0.003+/-0.006 χ^2/NDF: 96.8/79

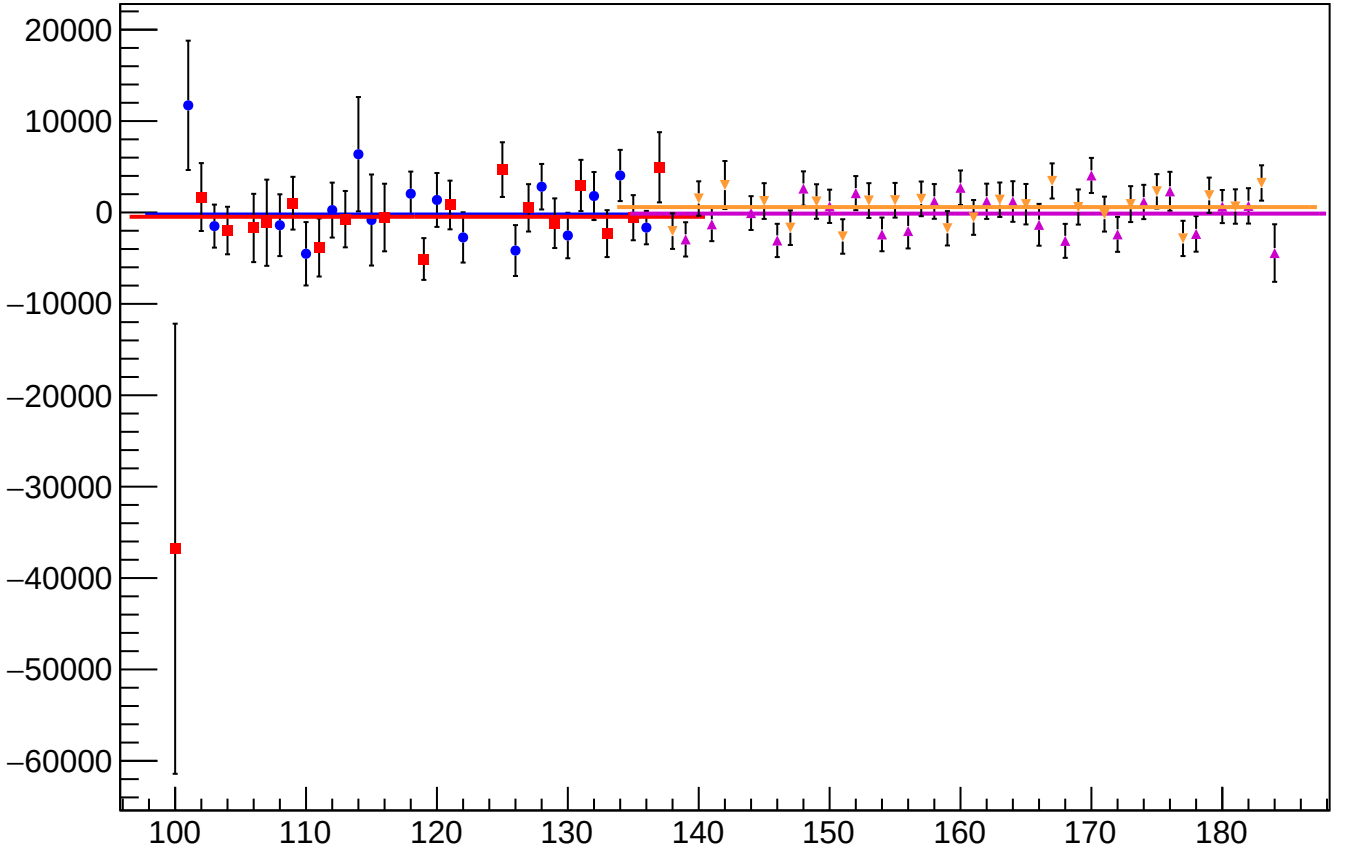
- sign 0.003+/-0.009 χ^2/NDF: 57.9/40


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: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 40.625+/-0.006 χ²/NDF: 2894730.1/38
All: 40.923+/-0.005 χ²/NDF: 5268849.3/79
- sign 41.231+/-0.006 χ²/NDF: 2369696.8/40


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
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: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:24.9/22
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/17
Left In: 0.000+/-0.000 χ²/NDF:23.1/22
+ sign 0.000+/-0.000 χ²/NDF: 35.5/38
All: 0.000+/-0.000 χ²/NDF: 89.7/79
- sign 0.000+/-0.000 χ²/NDF: 52.3/40


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:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 7330177.3/38
All: 0.000+/-0.000 χ²/NDF: 14738215.0/79
- sign 0.000+/-0.000 χ²/NDF: 7349948.6/40

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

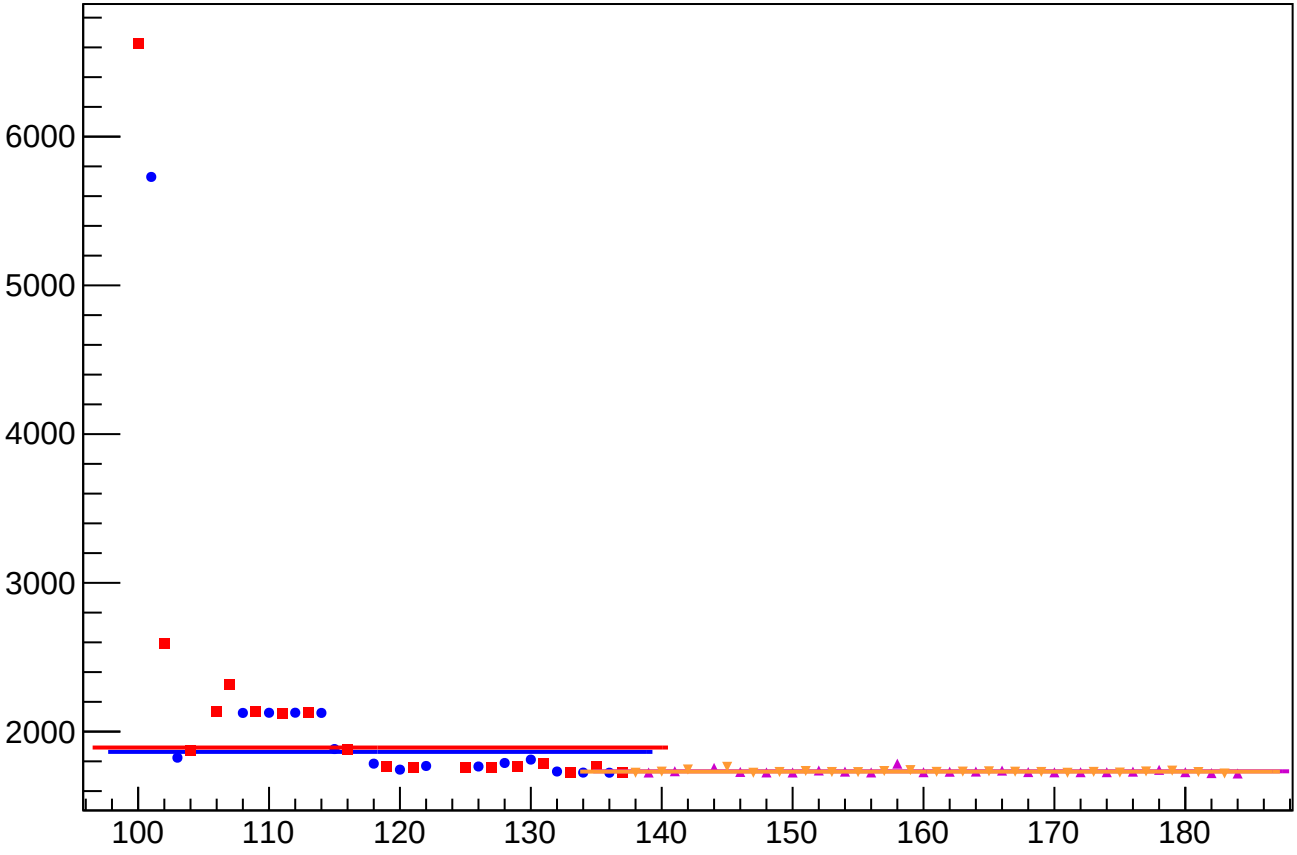
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 389.160+/-351.419 χ^2/NDF: 35.6/38

All: 89.500+/-248.600 χ^2/NDF: 82.5/79

- sign -210.684+/-351.727 χ^2/NDF: 45.5/40

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

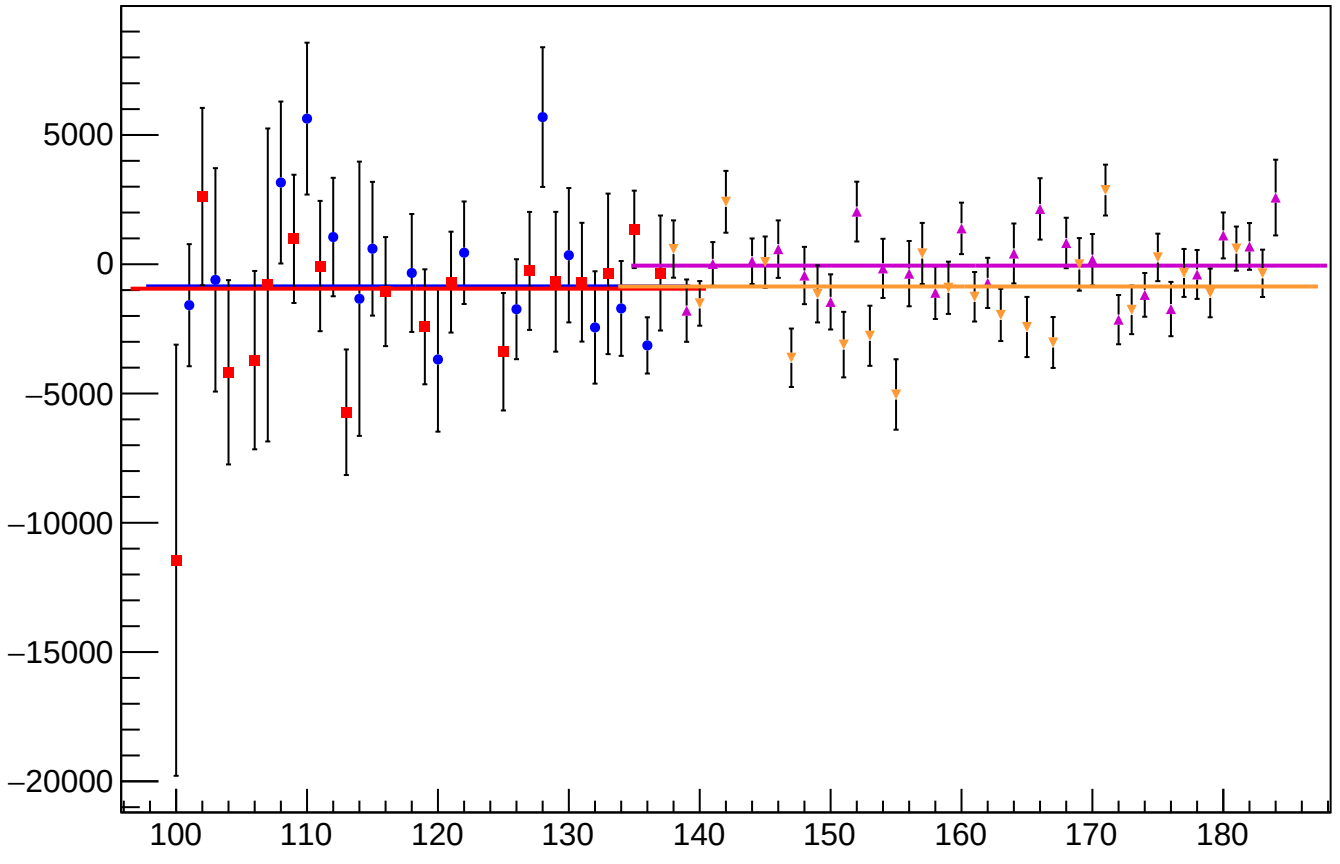
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.602+/-0.248 χ^2/NDF: 728289.5/38

All: 1767.835+/-0.176 χ^2/NDF: 1058912.6/79

- sign 1772.076+/-0.249 χ^2/NDF: 330042.2/40



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -860.408+/-212.770 χ^2/NDF:62.3/22

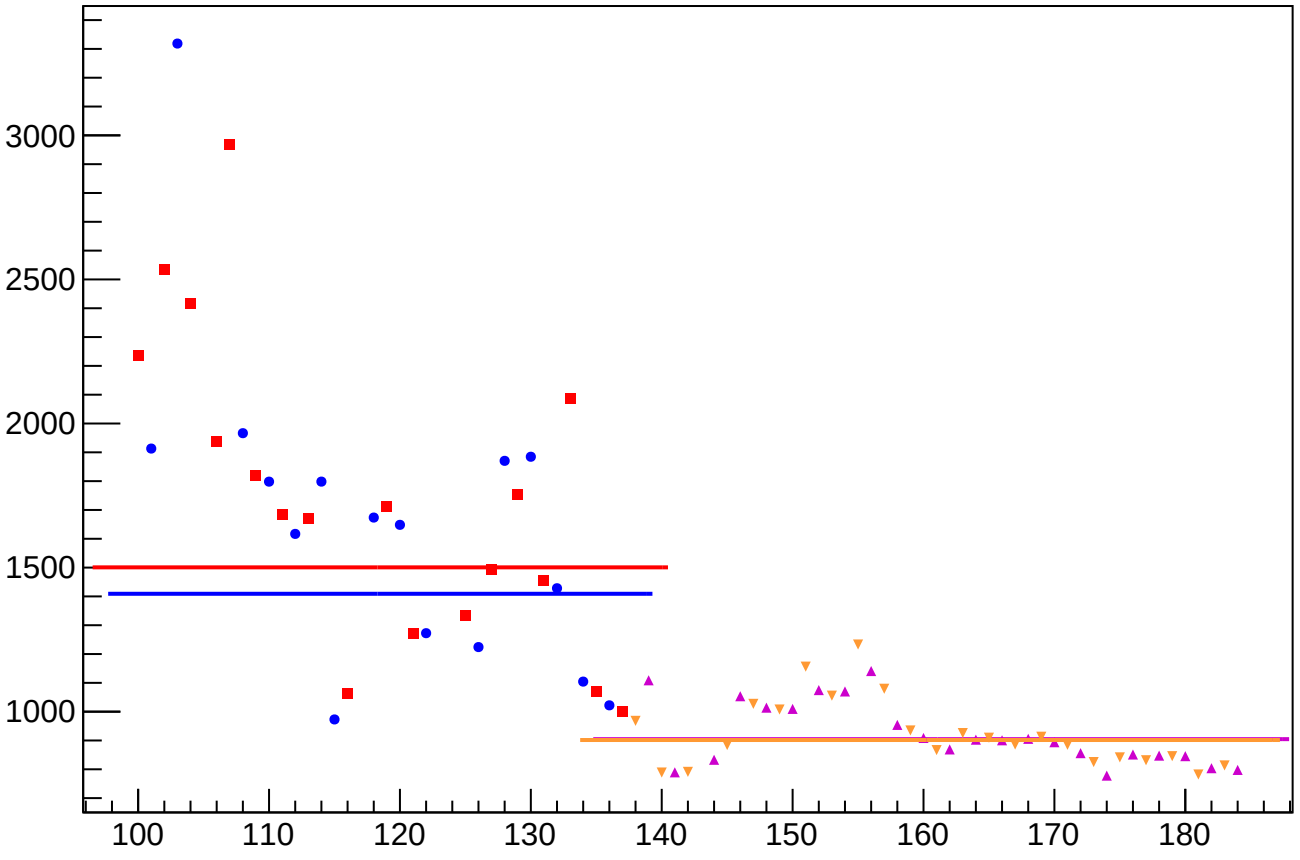
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -860.002+/-198.429 χ^2/NDF: 82.9/38

All: -512.138+/-140.889 χ^2/NDF: 134.7/79

- sign -158.474+/-200.076 χ^2/NDF: 45.6/40



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

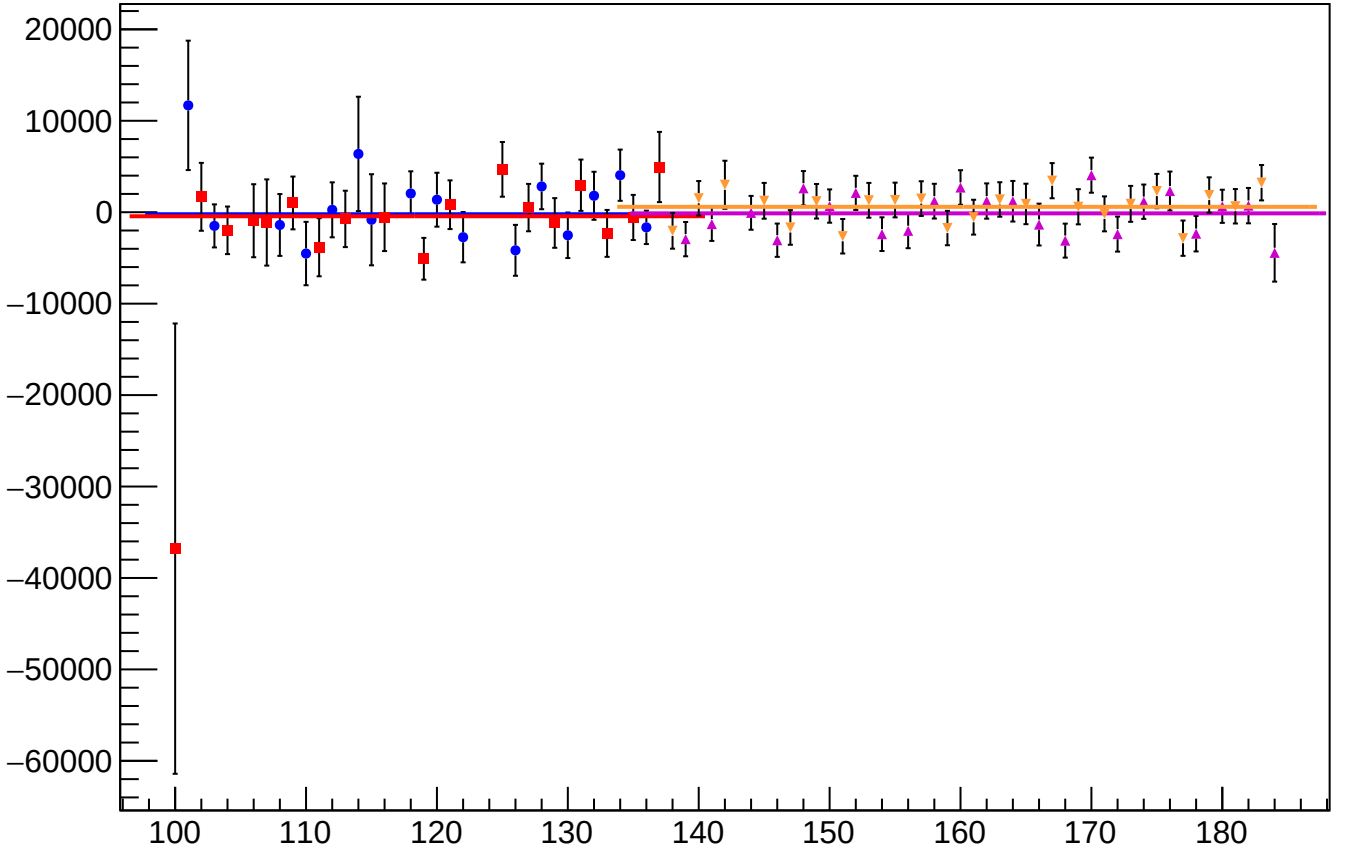
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

\+ sign 967.732+/-0.140 χ^2/NDF: 3136867.8/38

All: 971.155+/-0.100 χ^2/NDF: 6460705.4/79

\- sign 974.635+/-0.141 χ^2/NDF: 3322637.5/40

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

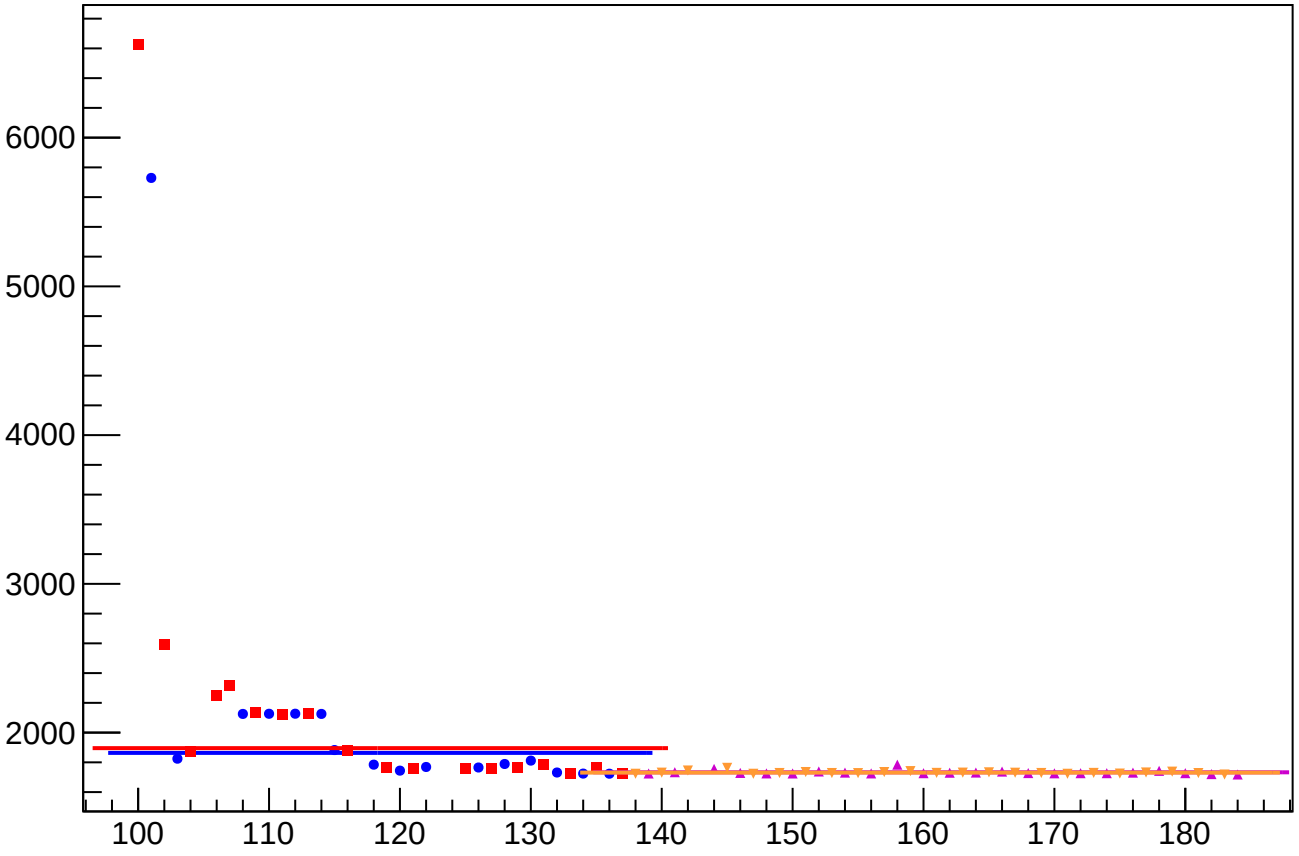
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 389.004+/-351.419 χ^2/NDF: 35.6/38

All: 93.285+/-248.669 χ^2/NDF: 82.4/79

- sign -203.281+/-351.923 χ^2/NDF: 45.4/40

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

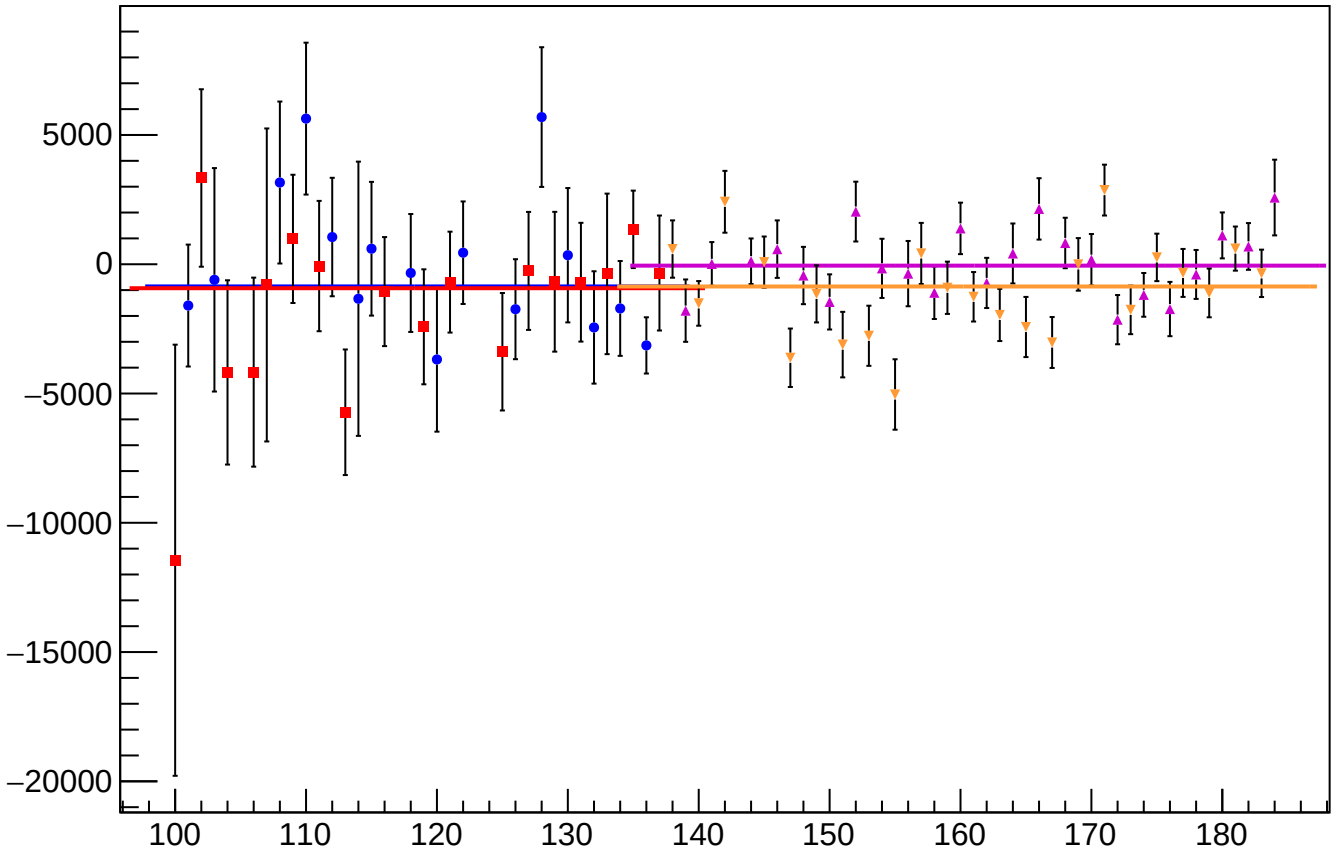
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.602+/-0.248 χ^2/NDF: 728289.3/38

All: 1768.085+/-0.176 χ^2/NDF: 1068897.9/79

- sign 1772.581+/-0.249 χ^2/NDF: 339956.7/40



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -860.392+/-212.771 χ^2/NDF:62.3/22

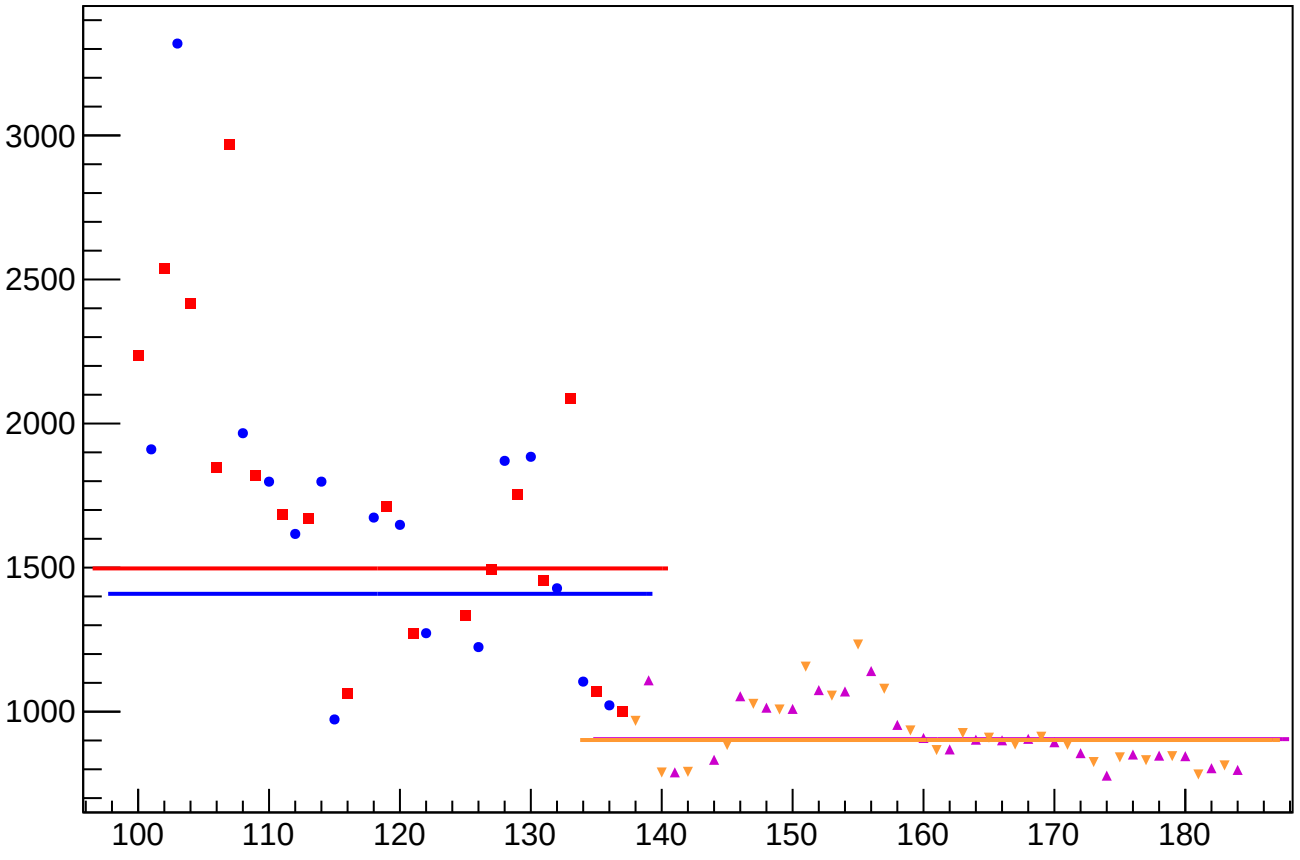
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -860.095+/-198.427 χ^2/NDF: 82.9/38

All: -511.100+/-140.901 χ^2/NDF: 135.3/79

- sign -156.151+/-200.113 χ^2/NDF: 46.1/40



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

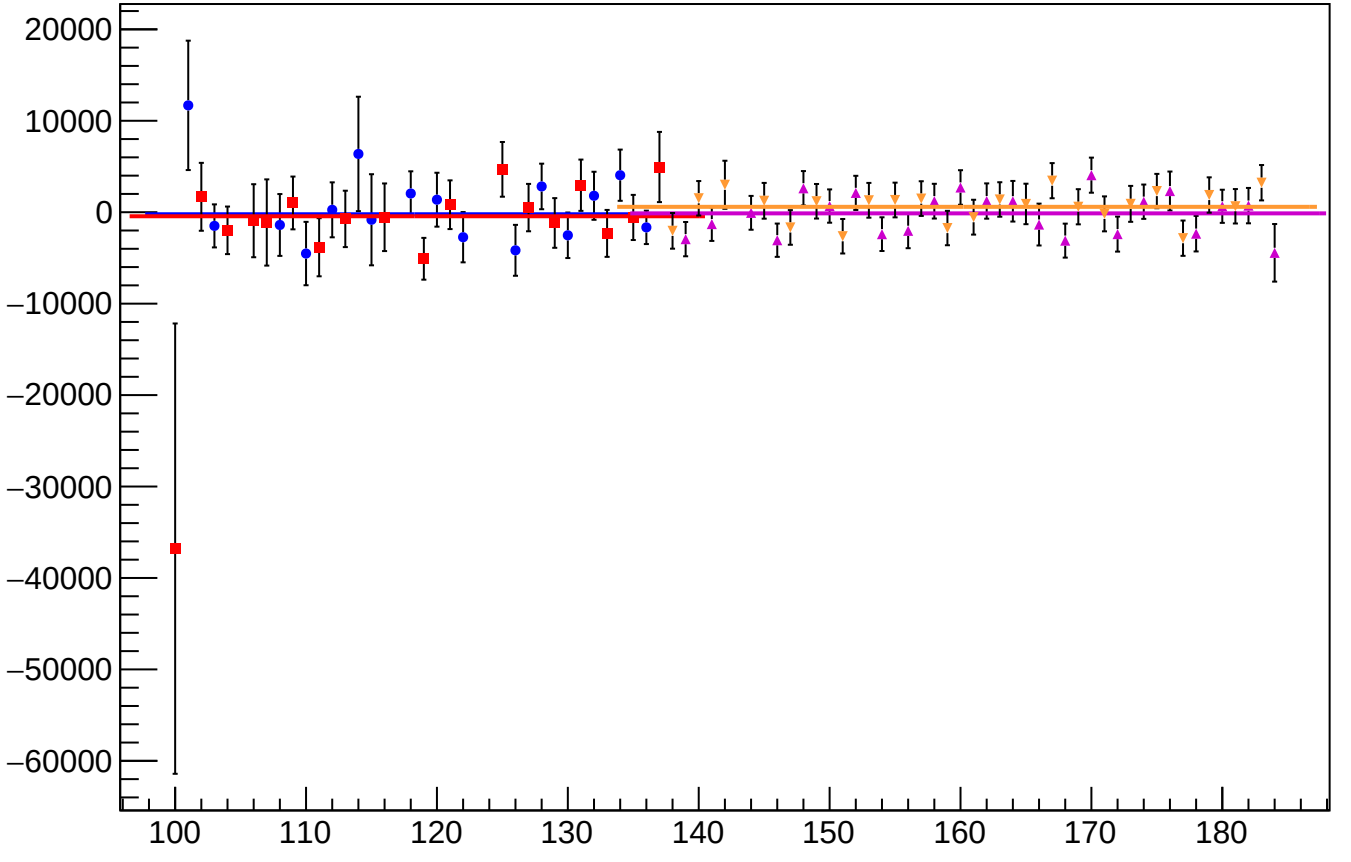
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 967.734+/-0.140 χ^2/NDF: 3135908.3/38

All: 970.845+/-0.100 χ^2/NDF: 6419412.7/79

- sign 974.010+/-0.142 χ^2/NDF: 3282512.3/40

eigen_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

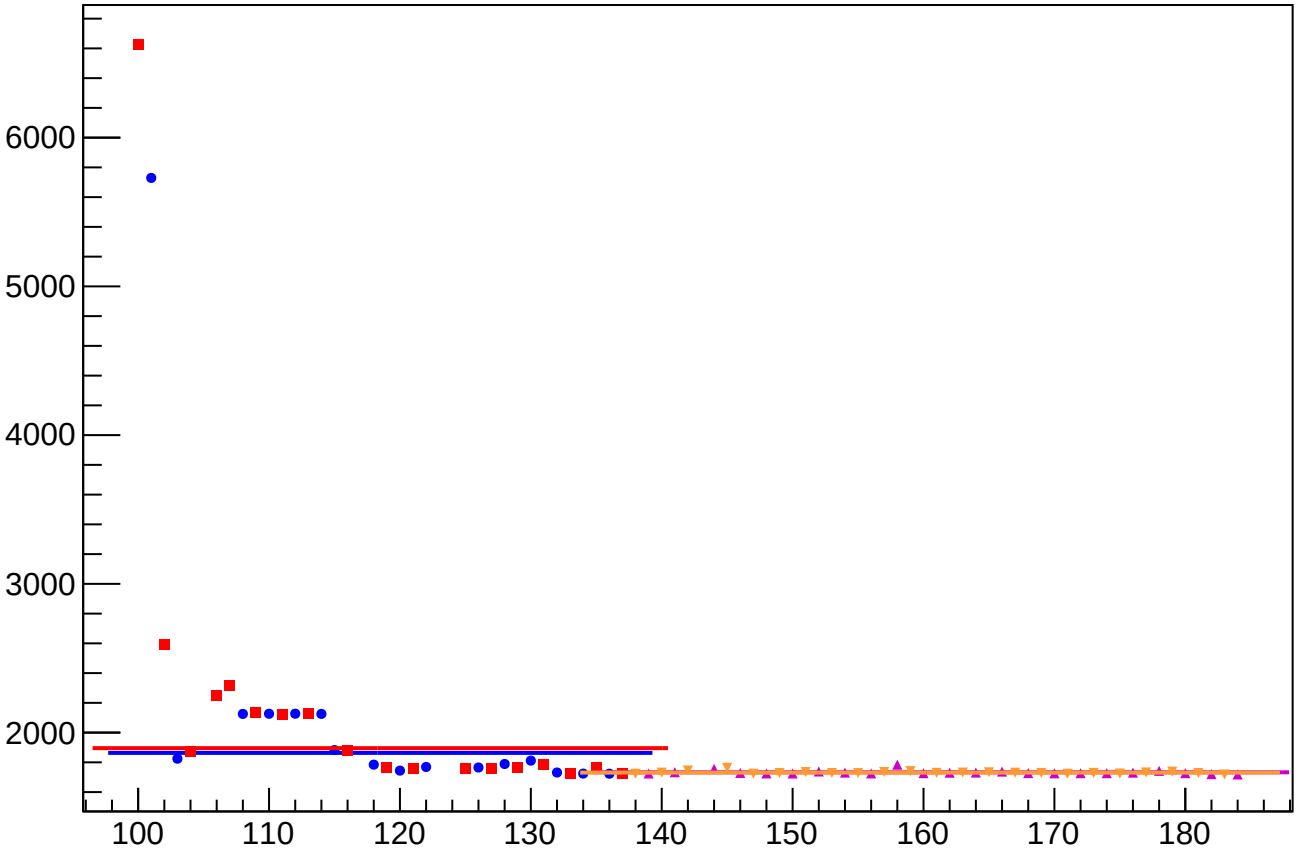
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 389.004+/-351.419 χ^2/NDF: 35.6/38

All: 93.285+/-248.669 χ^2/NDF: 82.4/79

- sign -203.281+/-351.923 χ^2/NDF: 45.4/40

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

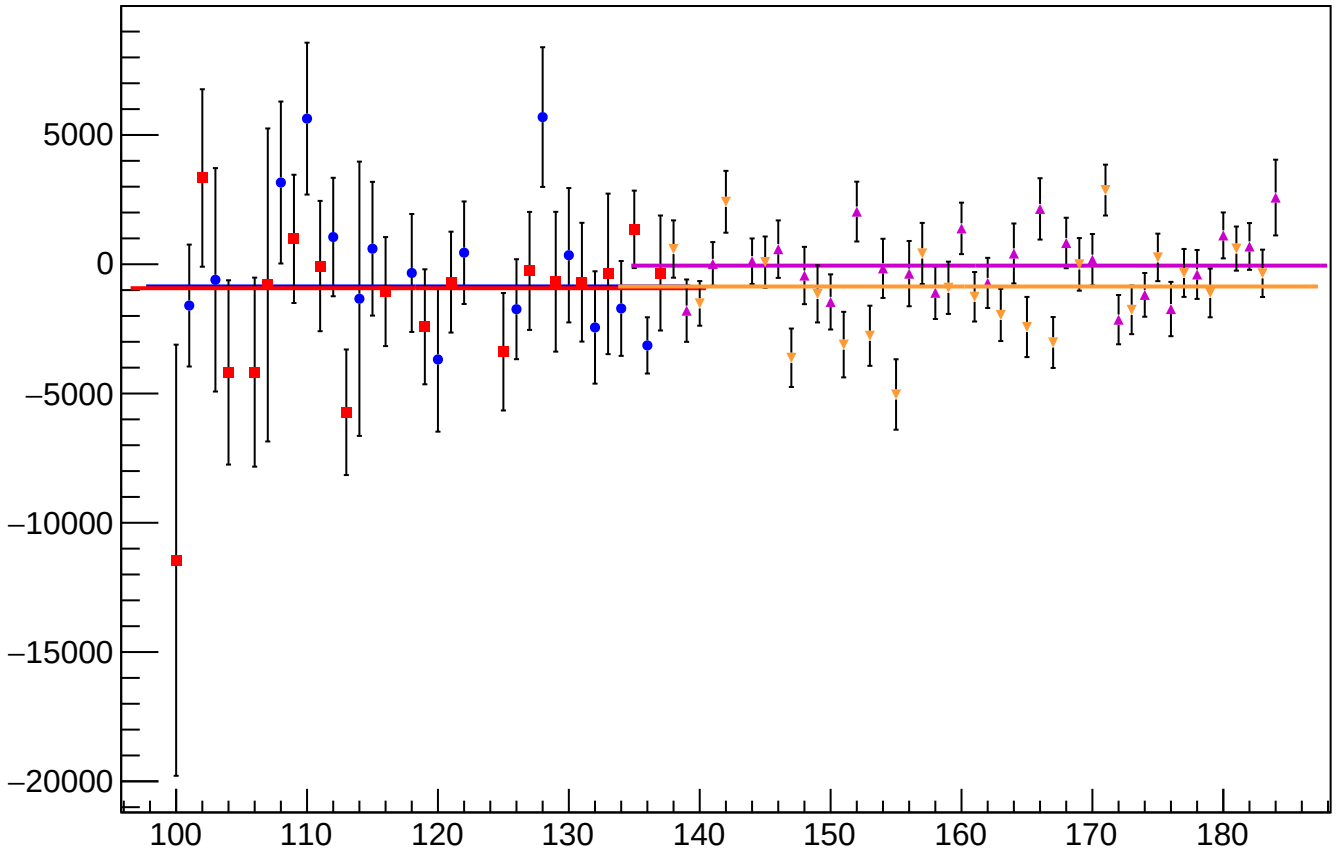
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.602+/-0.248 χ^2/NDF: 728289.3/38

All: 1768.085+/-0.176 χ^2/NDF: 1068897.9/79

- sign 1772.581+/-0.249 χ^2/NDF: 339956.7/40



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -860.392+/-212.771 χ^2/NDF:62.3/22

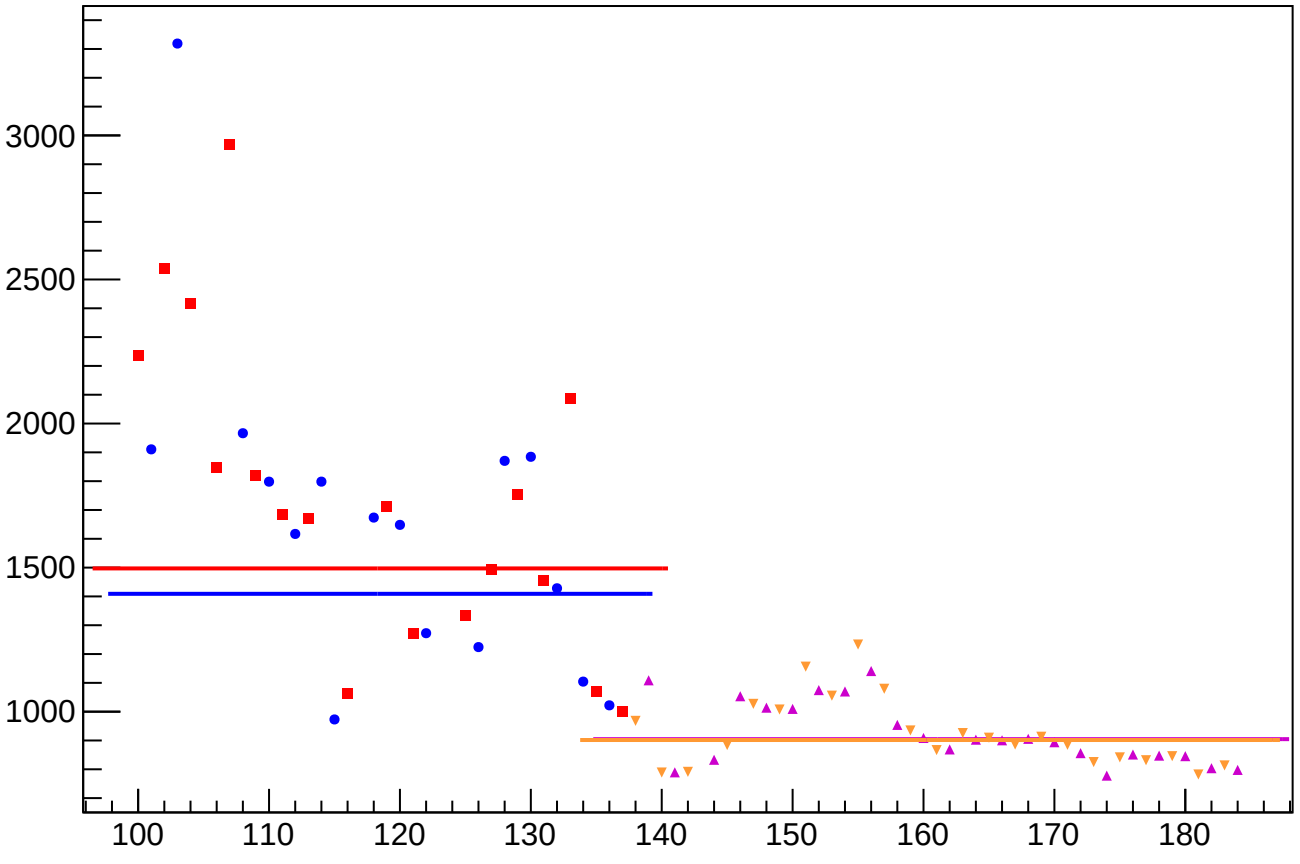
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -860.095+/-198.427 χ^2/NDF: 82.9/38

All: -511.100+/-140.901 χ^2/NDF: 135.3/79

- sign -156.151+/-200.113 χ^2/NDF: 46.1/40



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

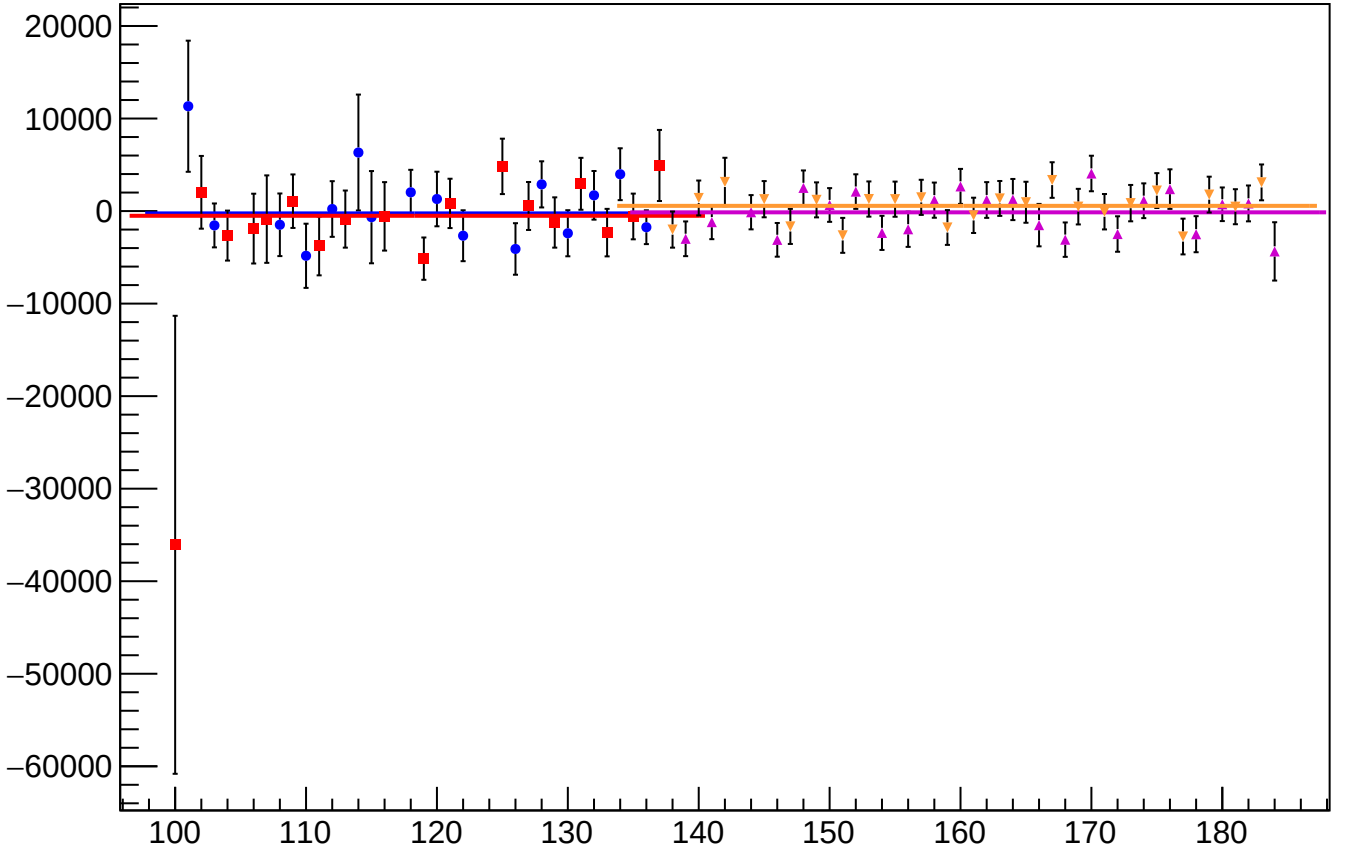
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 967.734+/-0.140 χ^2/NDF: 3135908.3/38

All: 970.845+/-0.100 χ^2/NDF: 6419412.7/79

- sign 974.010+/-0.142 χ^2/NDF: 3282512.3/40

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

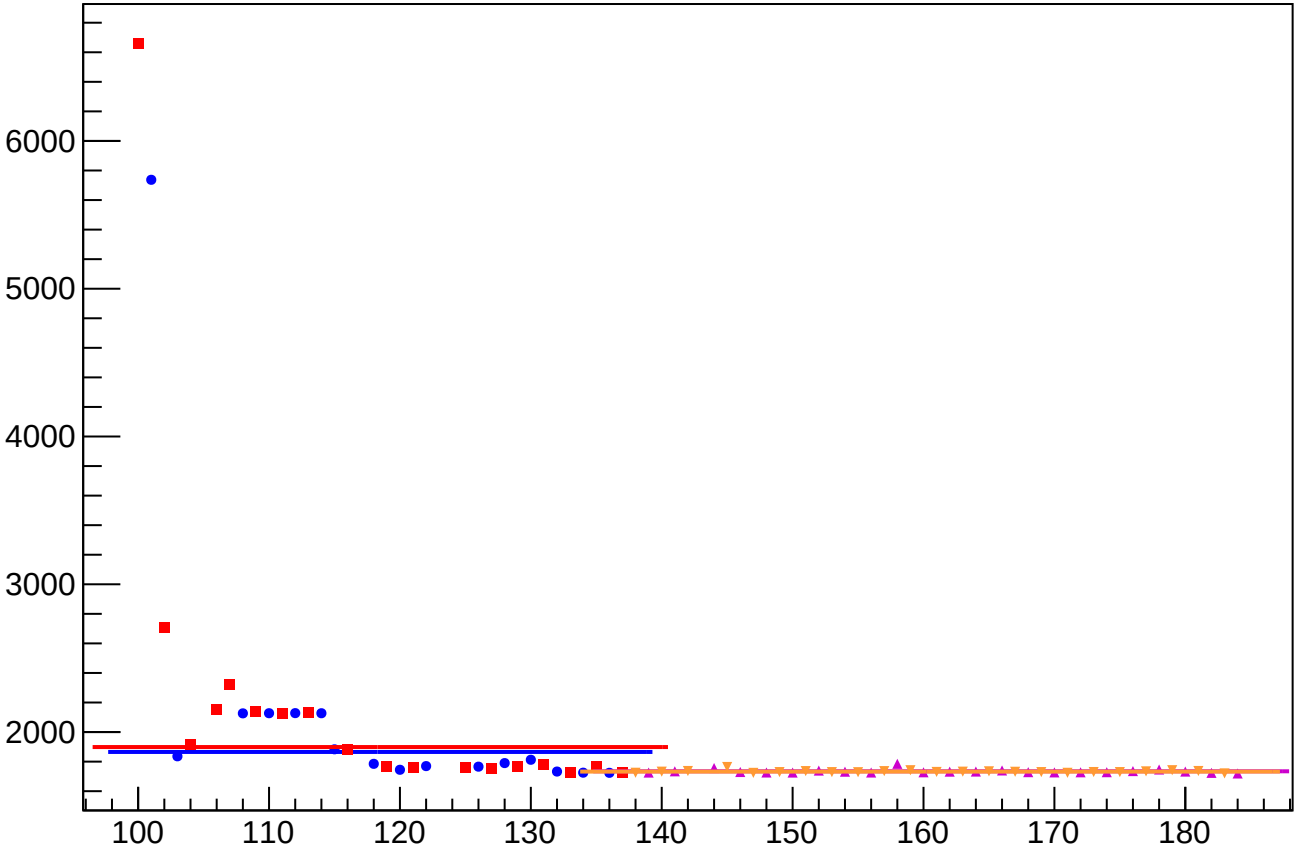
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 363.543+/-351.761 χ^2/NDF: 34.7/38

All: 68.509+/-248.974 χ^2/NDF: 82.2/79

- sign -227.670+/-352.444 χ^2/NDF: 46.2/40

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

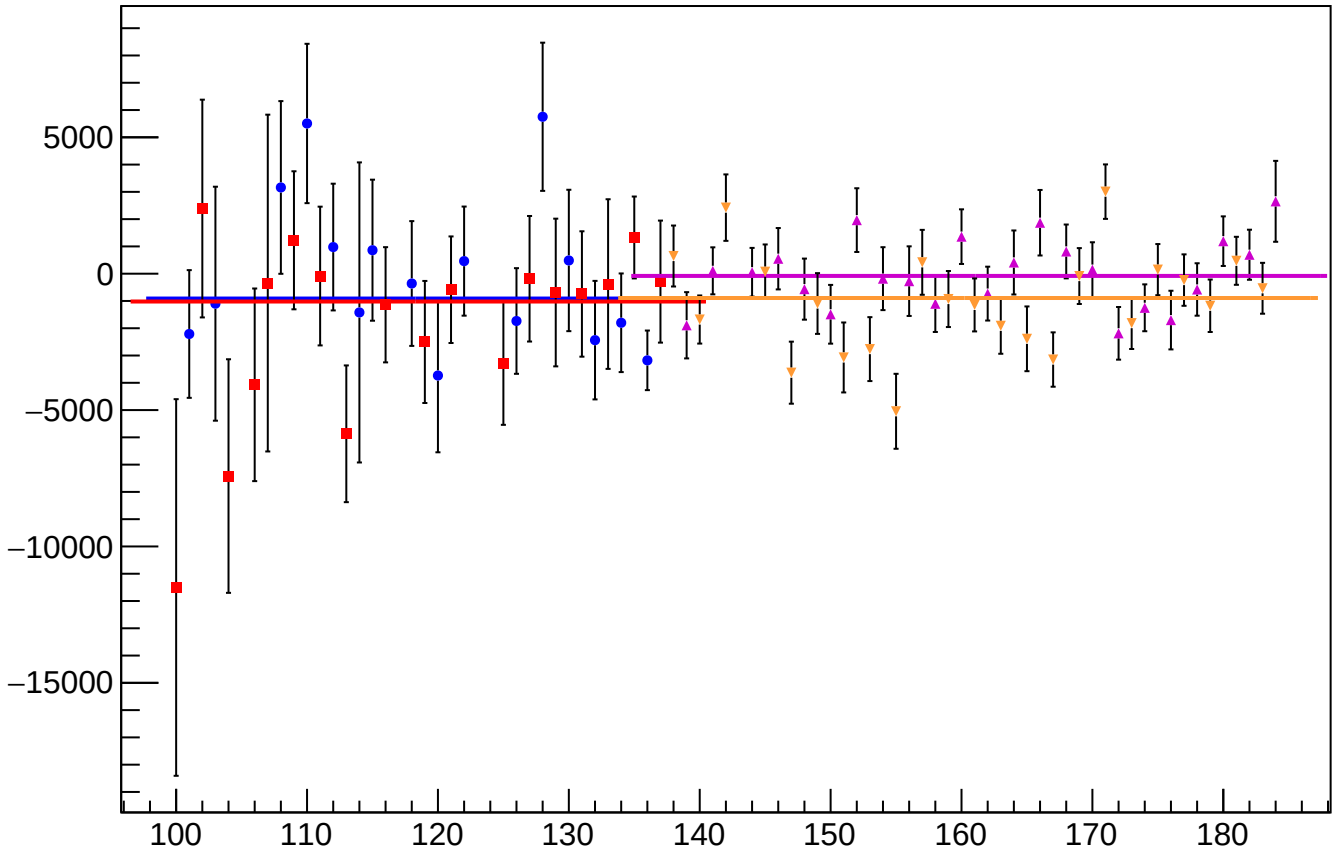
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1765.218+/-0.249 χ^2/NDF: 728677.9/38

All: 1769.788+/-0.176 χ^2/NDF: 1080302.5/79

- sign 1774.376+/-0.249 χ^2/NDF: 350948.1/40



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -891.222+/-215.947 χ^2/NDF:61.6/22

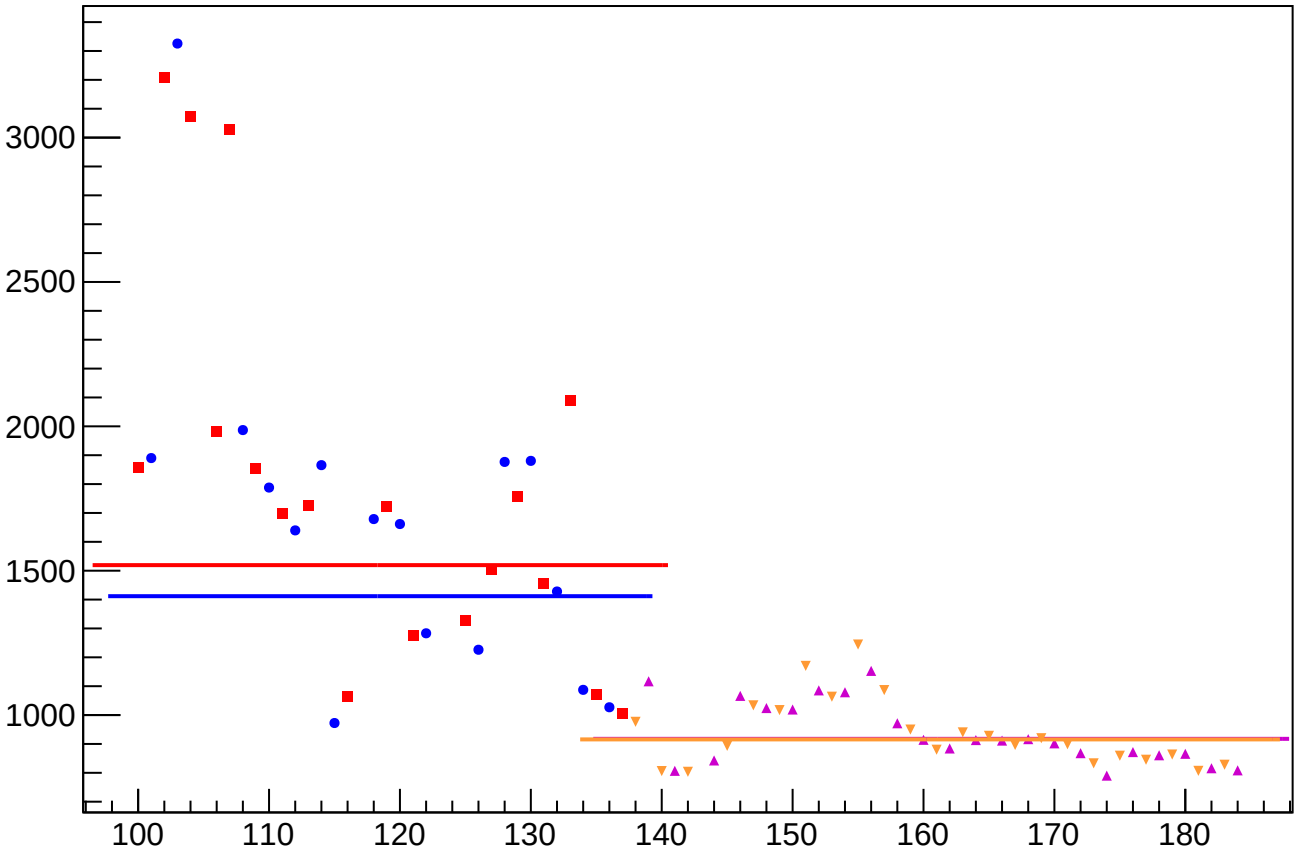
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -893.850+/-201.049 χ^2/NDF: 82.6/38

All: -545.939+/-142.788 χ^2/NDF: 135.7/79

- sign -191.846+/-202.827 χ^2/NDF: 47.1/40



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

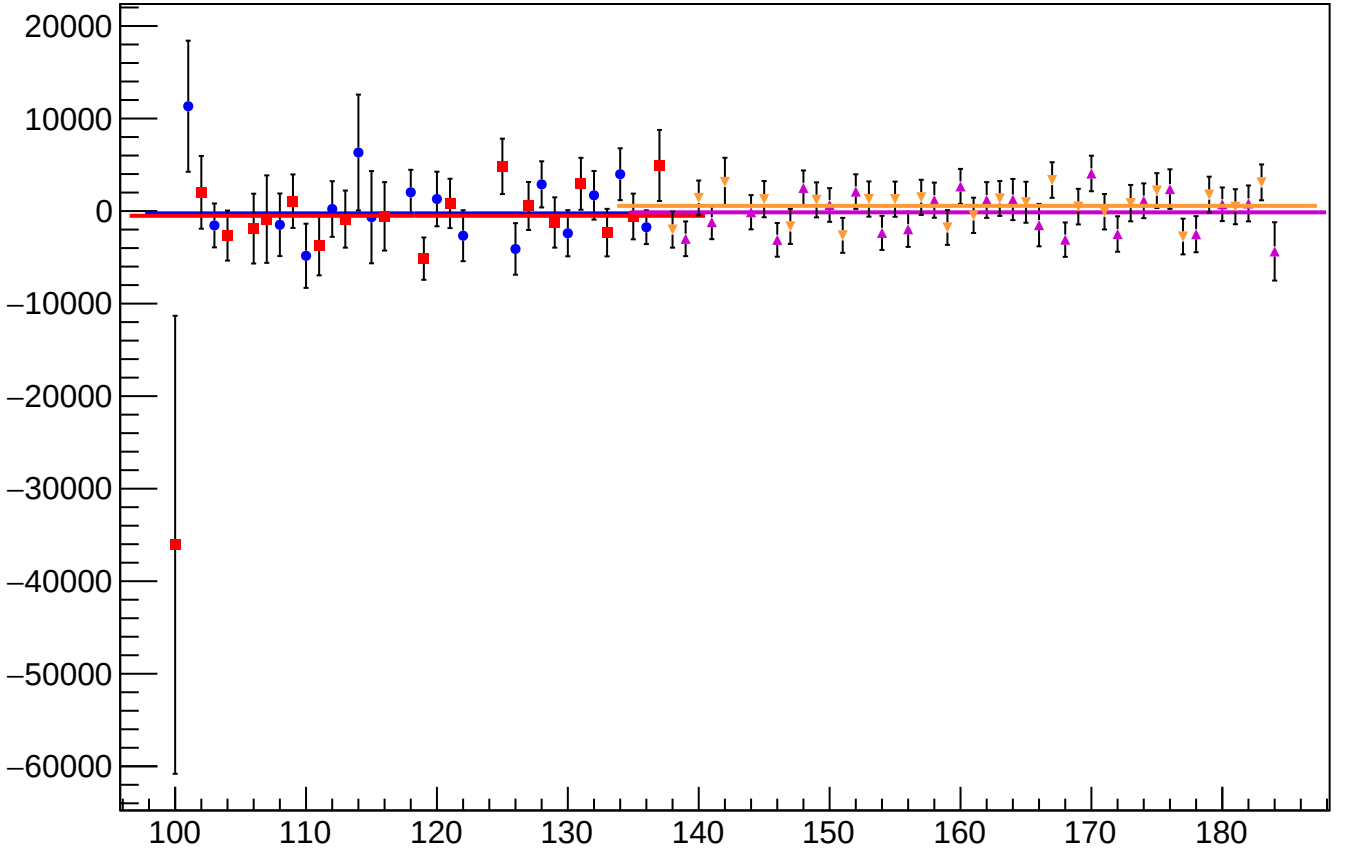
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

\+ sign 981.802+/-0.142 χ^2/NDF: 3038340.4/38

All: 985.068+/-0.101 χ^2/NDF: 6655321.6/79

\- sign 988.391+/-0.143 χ^2/NDF: 3615916.5/40

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 563.813+/-404.960 χ^2/NDF:18.0/22

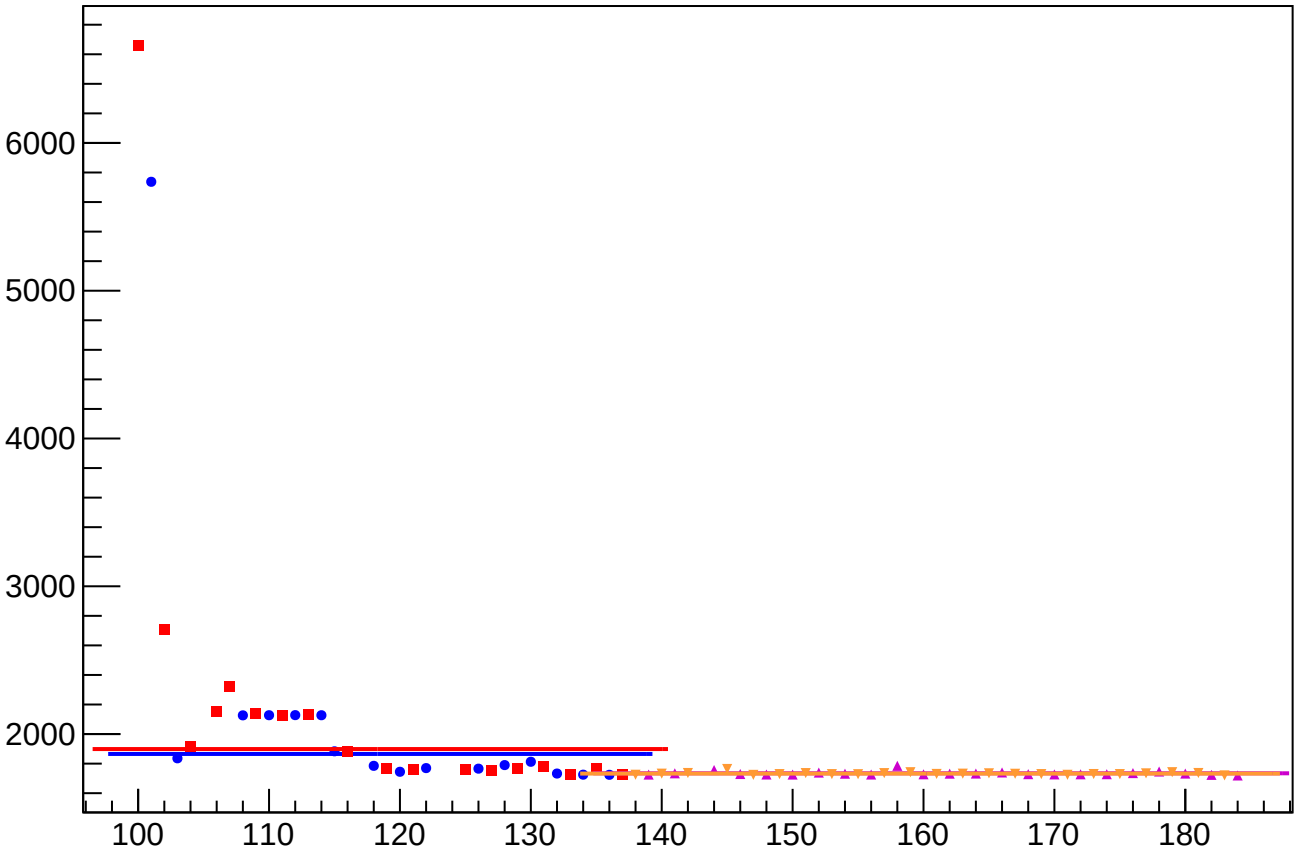
Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 363.543+/-351.761 χ^2/NDF: 34.7/38

All: 68.509+/-248.974 χ^2/NDF: 82.2/79

- sign -227.670+/-352.444 χ^2/NDF: 46.2/40



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.612+/-0.286 χ^2/NDF:868.3/22

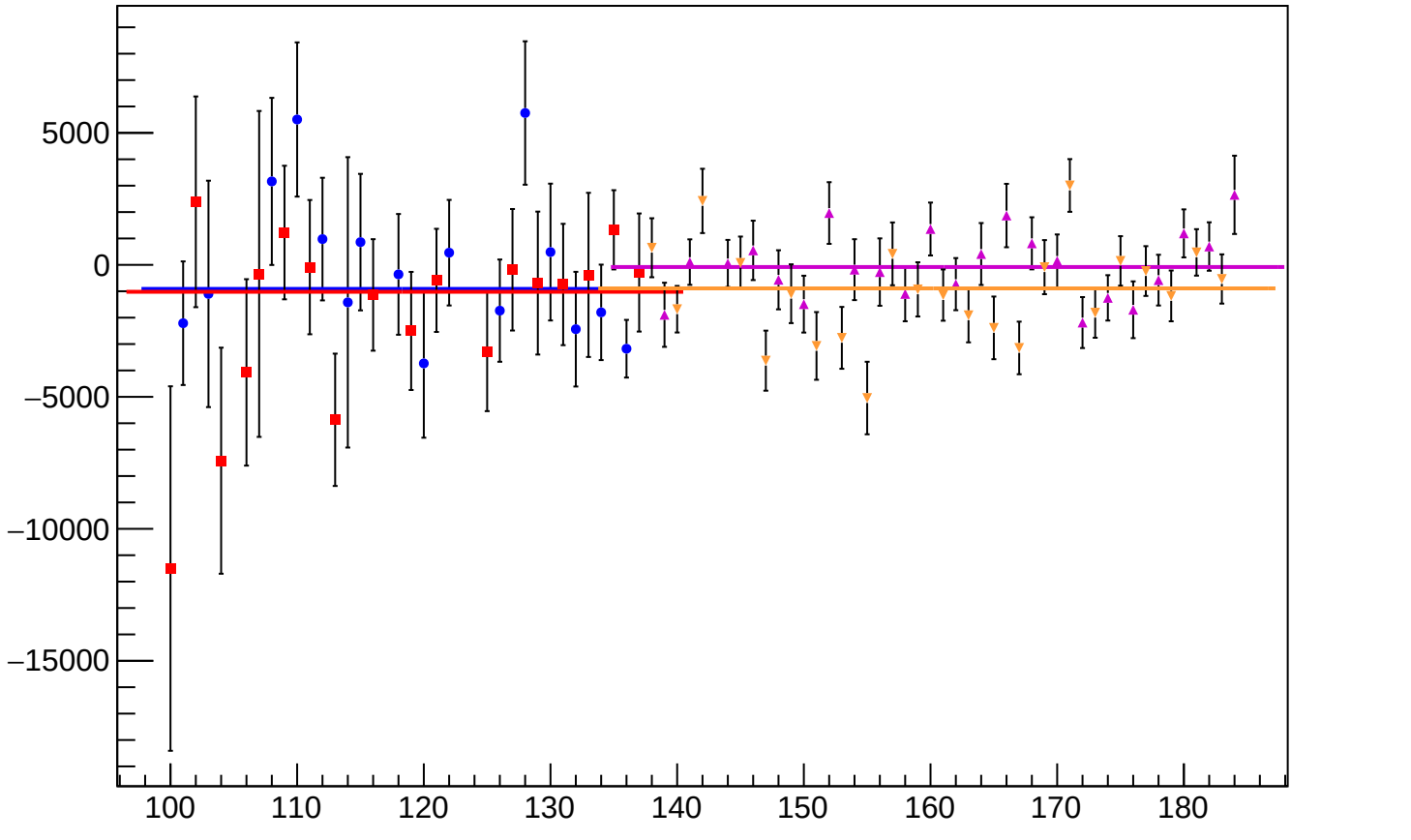
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1765.218+/-0.249 χ^2/NDF: 728677.9/38

All: 1769.788+/-0.176 χ^2/NDF: 1080302.2/79

- sign 1774.376+/-0.249 χ^2/NDF: 350947.8/40



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -891.221+/-215.947 χ^2/NDF:61.6/22

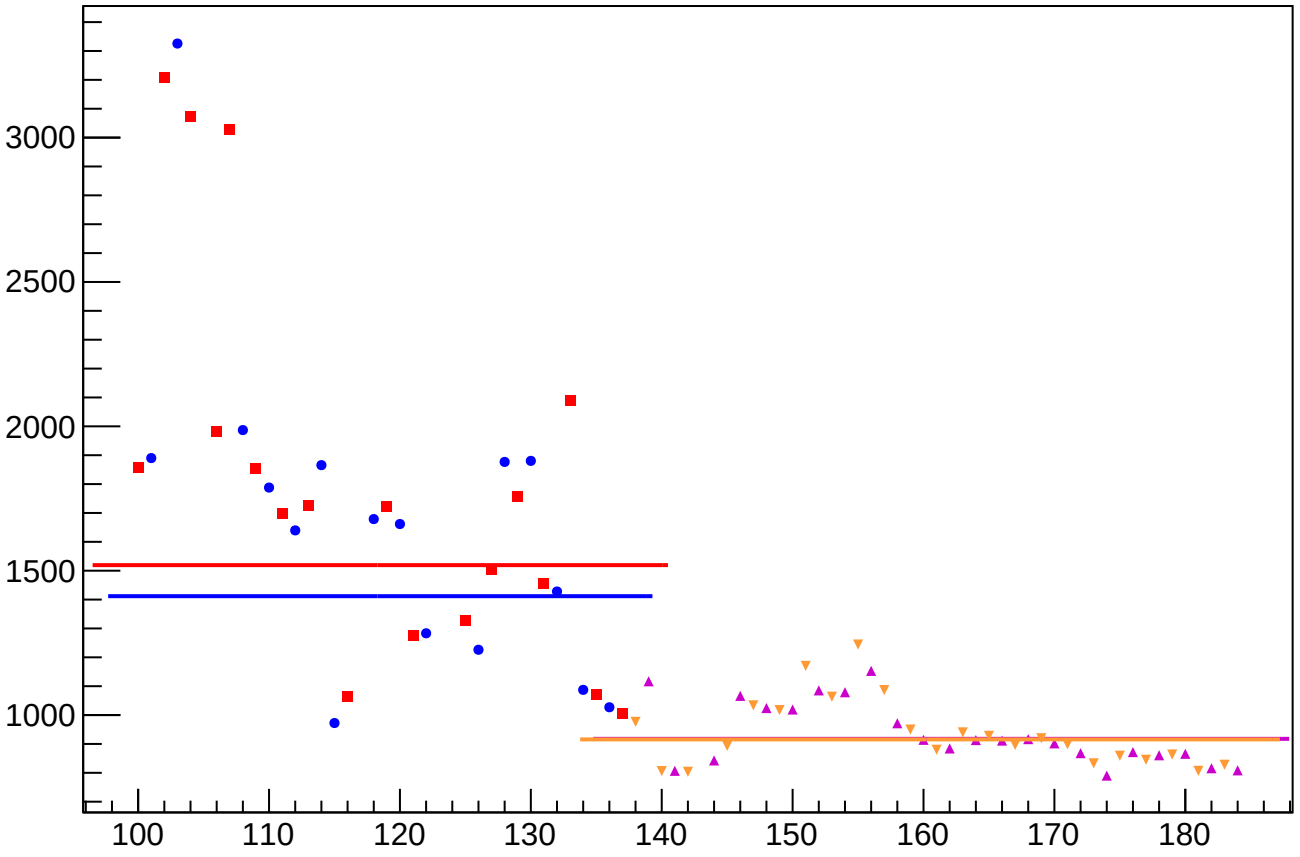
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -893.849+/-201.049 χ^2/NDF: 82.6/38

All: -545.938+/-142.788 χ^2/NDF: 135.7/79

- sign -191.844+/-202.827 χ^2/NDF: 47.1/40



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 915.723+/-0.153 χ^2/NDF:454871.4/22

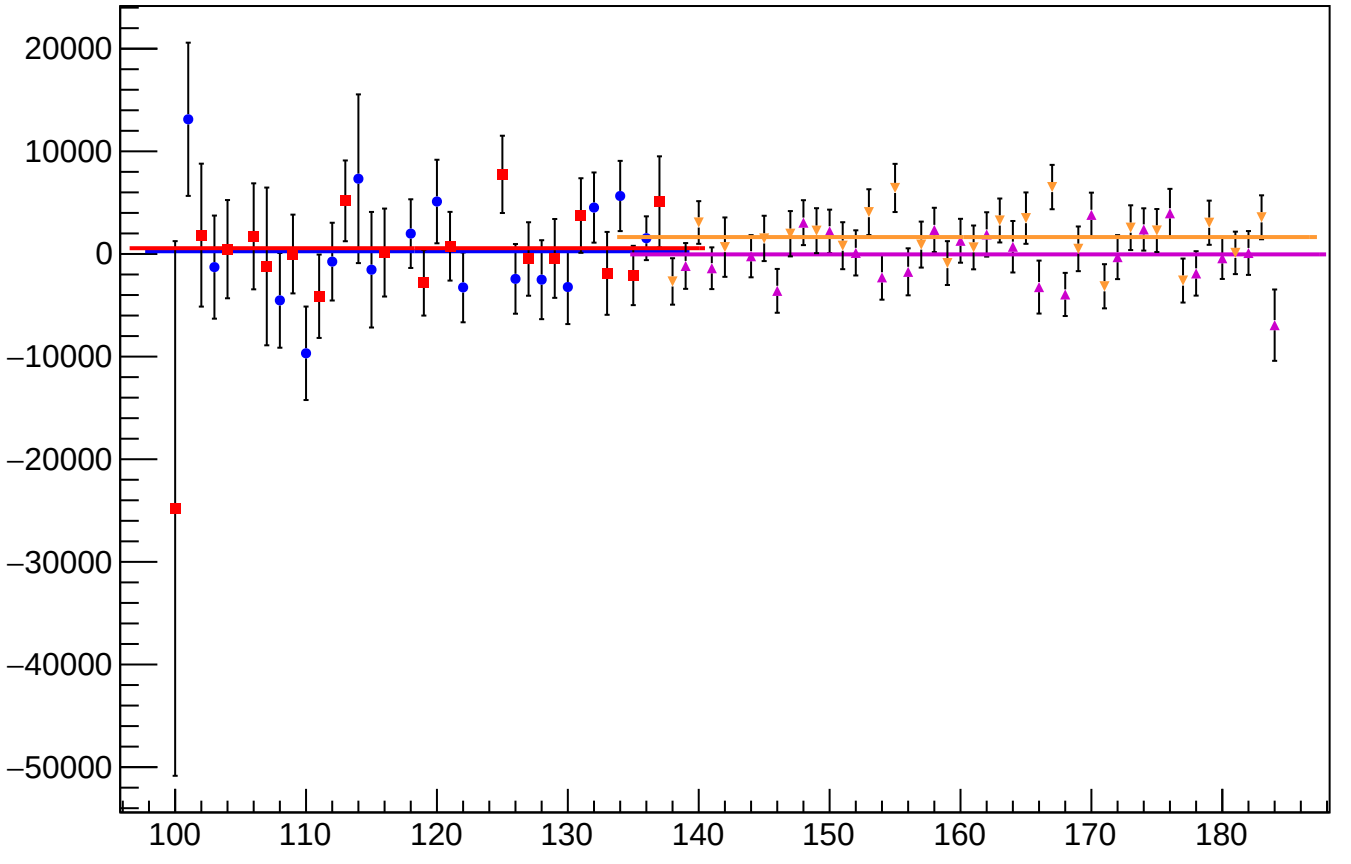
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 981.802+/-0.142 χ^2/NDF: 3038338.0/38

All: 985.067+/-0.101 χ^2/NDF: 6655326.2/79

- sign 988.391+/-0.143 χ^2/NDF: 3615923.5/40



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

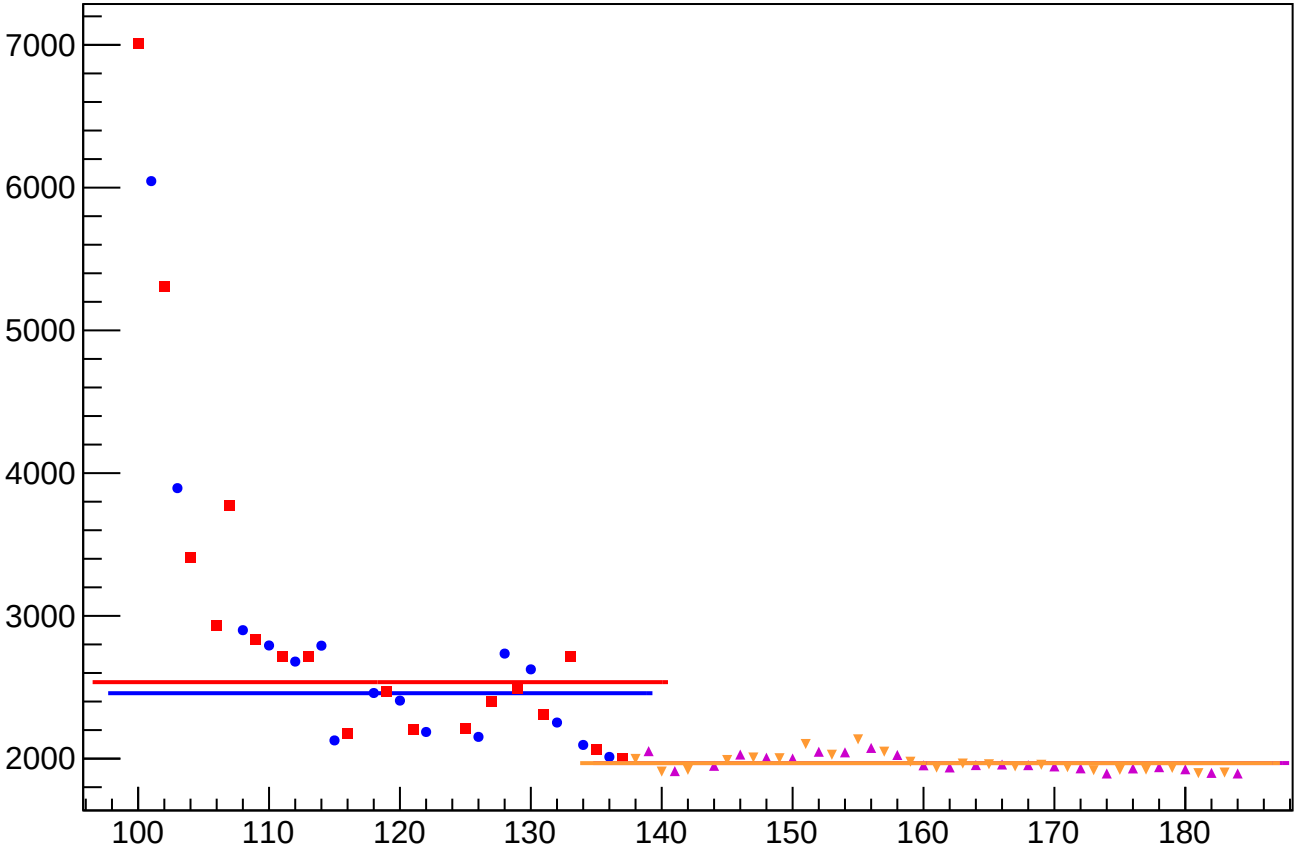
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1380.282+/-413.611 χ^2/NDF: 49.7/38

All: 728.240+/-292.966 χ^2/NDF: 94.6/79

- sign 71.728+/-415.026 χ^2/NDF: 39.9/40

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

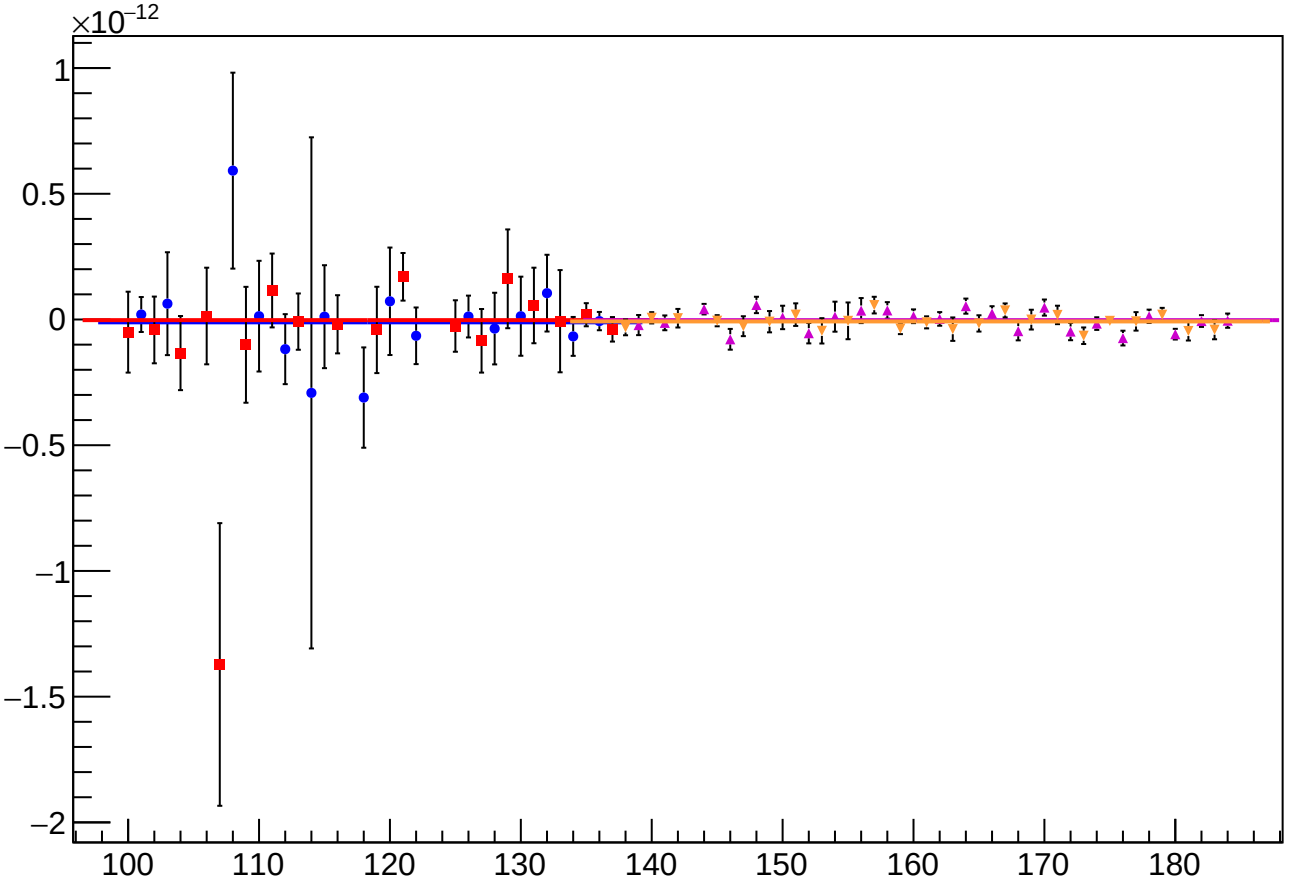
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2062.945+/-0.292 χ^2/NDF: 1302882.9/38

All: 2068.605+/-0.207 χ^2/NDF: 2567630.0/79

- sign 2074.304+/-0.293 χ^2/NDF: 1263995.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/22

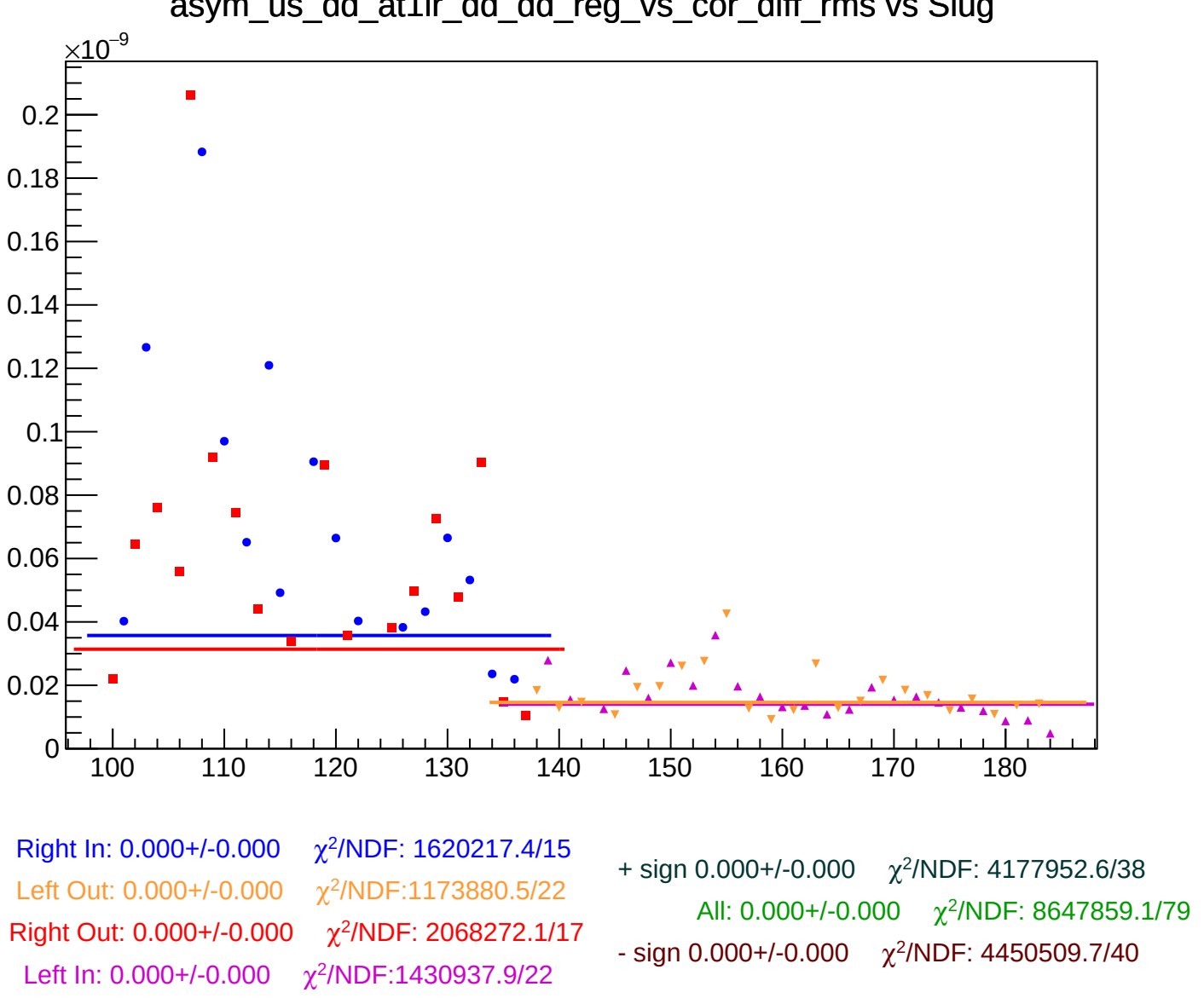
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

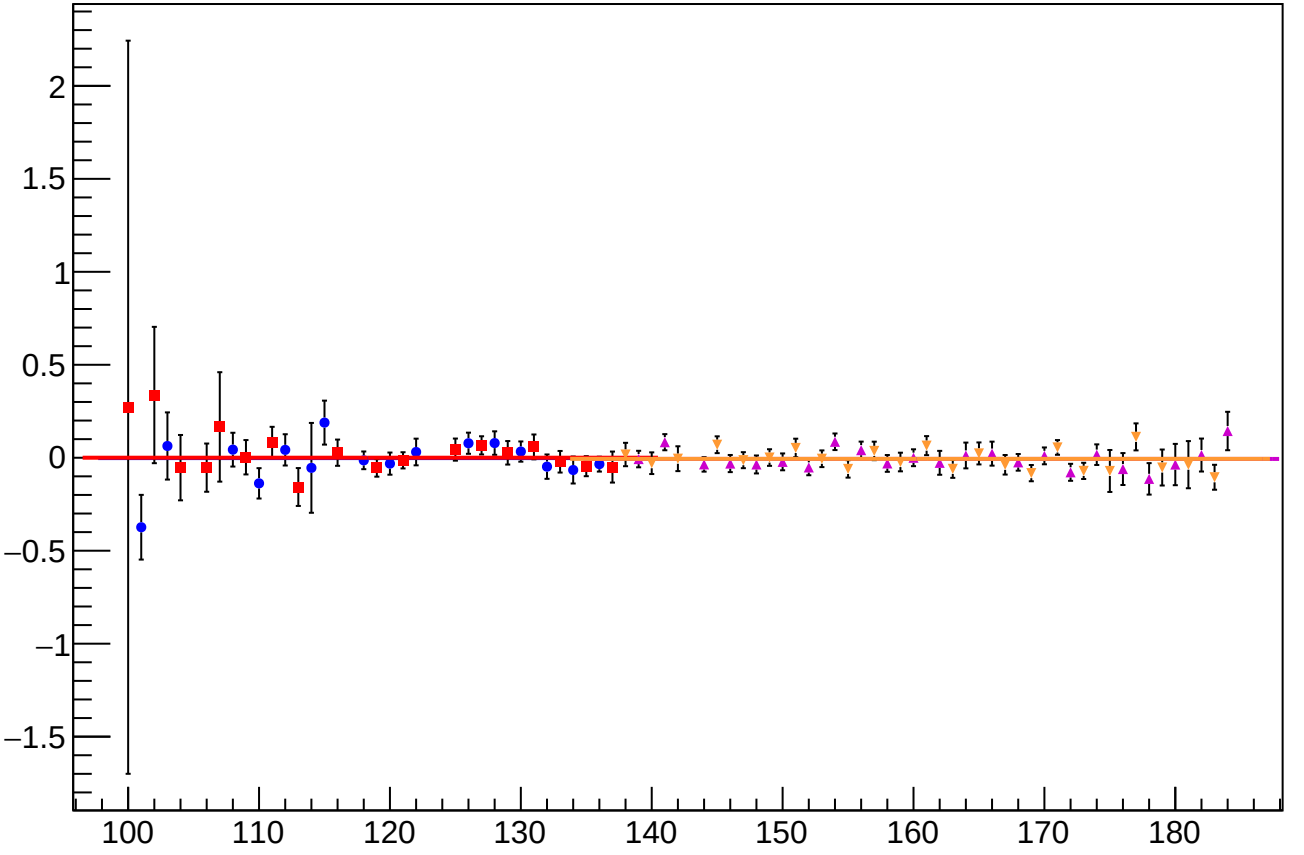
+ sign -0.000+/-0.000 χ^2/NDF: 24.3/38

All: -0.000+/-0.000 χ^2/NDF: 76.8/79

- sign -0.000+/-0.000 χ^2/NDF: 52.2/40


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:1430937.9/22
+ sign 0.000+/-0.000 χ²/NDF: 4177952.6/38
All: 0.000+/-0.000 χ²/NDF: 8647859.1/79
- sign 0.000+/-0.000 χ²/NDF: 4450509.7/40

asym_us_dd_at1lr_dd_dd_dit_vs_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

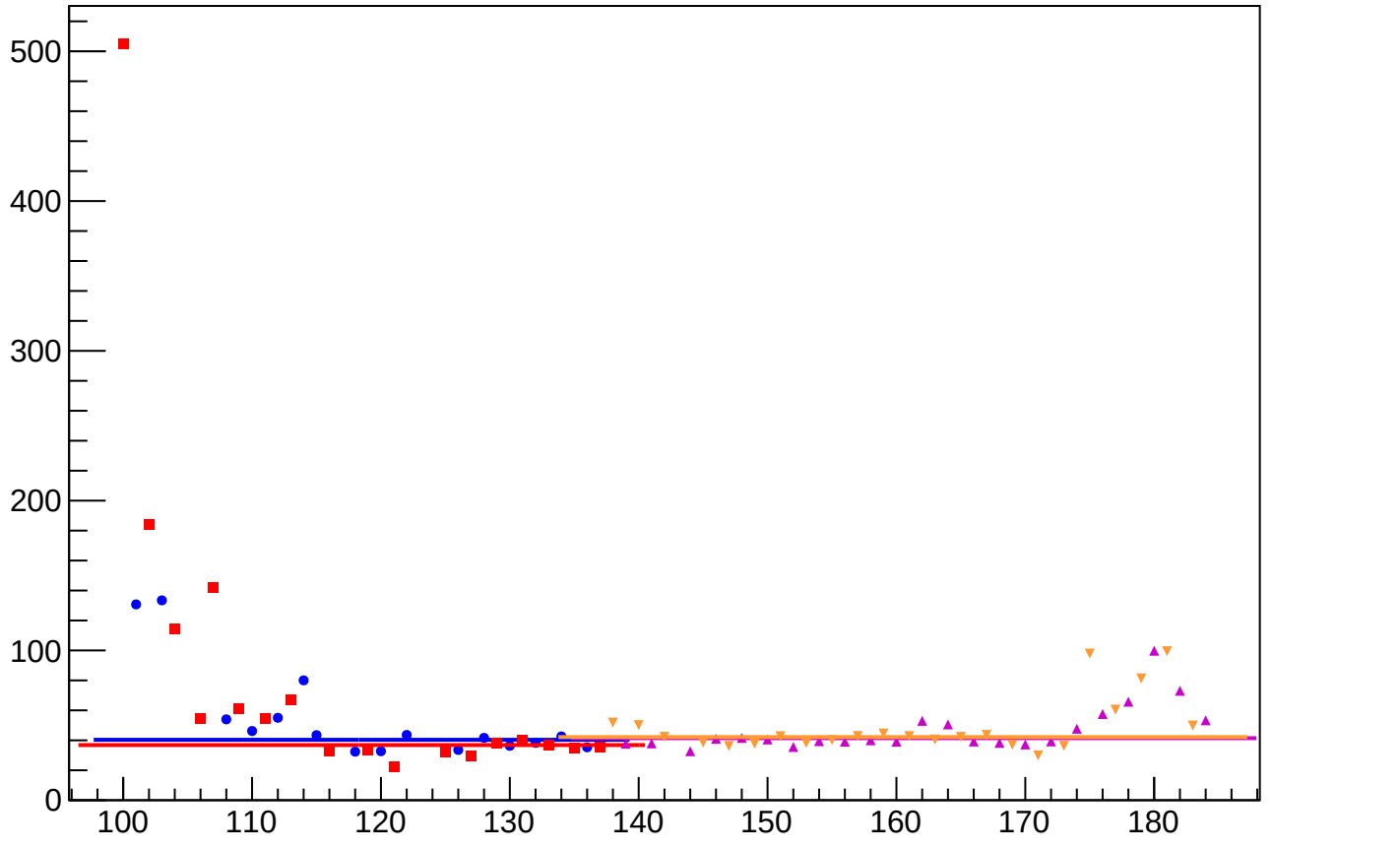
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 40.8/38

All: -0.005+/-0.006 χ^2/NDF: 71.9/79

- sign -0.004+/-0.009 χ^2/NDF: 31.1/40



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

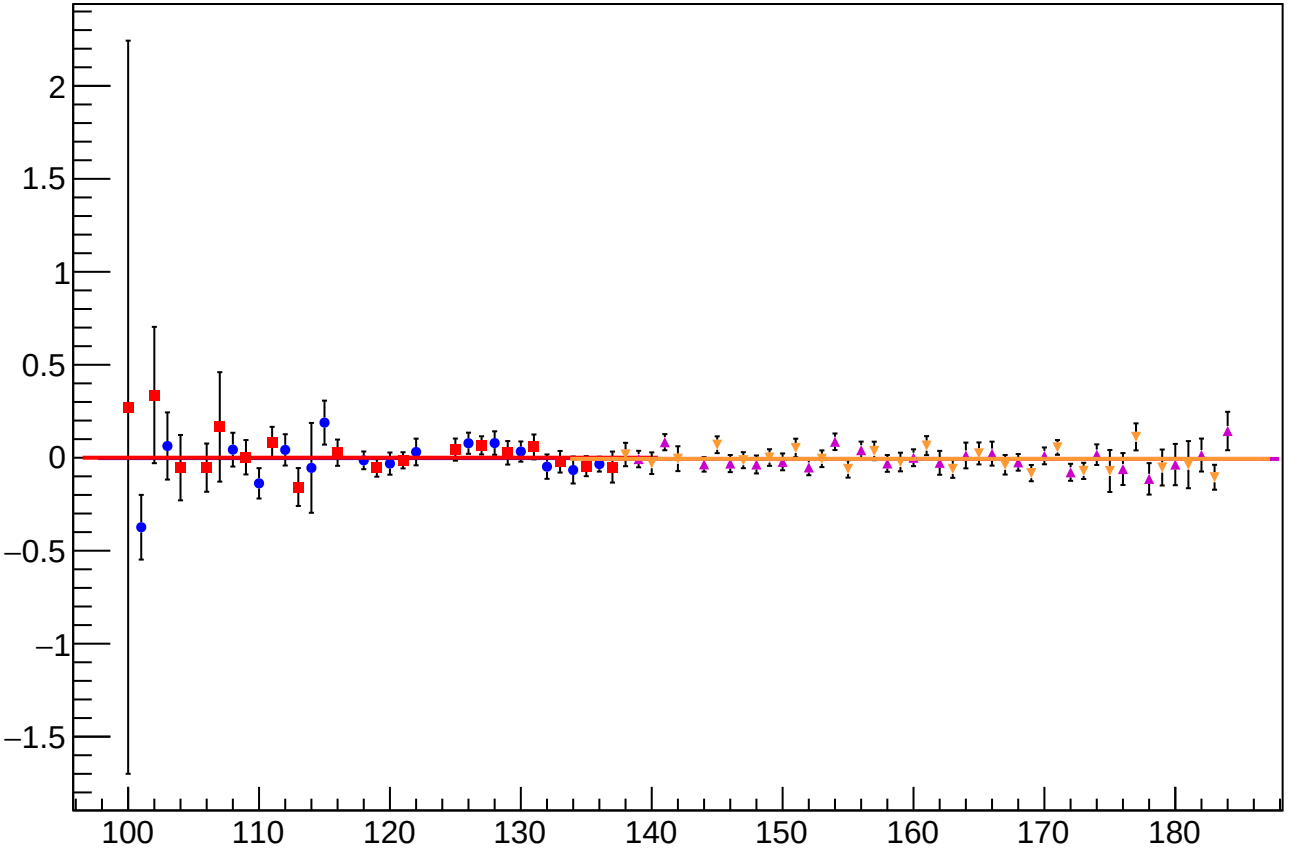
Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.631+/-0.007 χ^2/NDF: 3242813.7/38

All: 40.833+/-0.005 χ^2/NDF: 6628666.3/79

- sign 40.072+/-0.006 χ^2/NDF: 3356751.3/40

asym_us_dd_at1lr_dd_dd_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

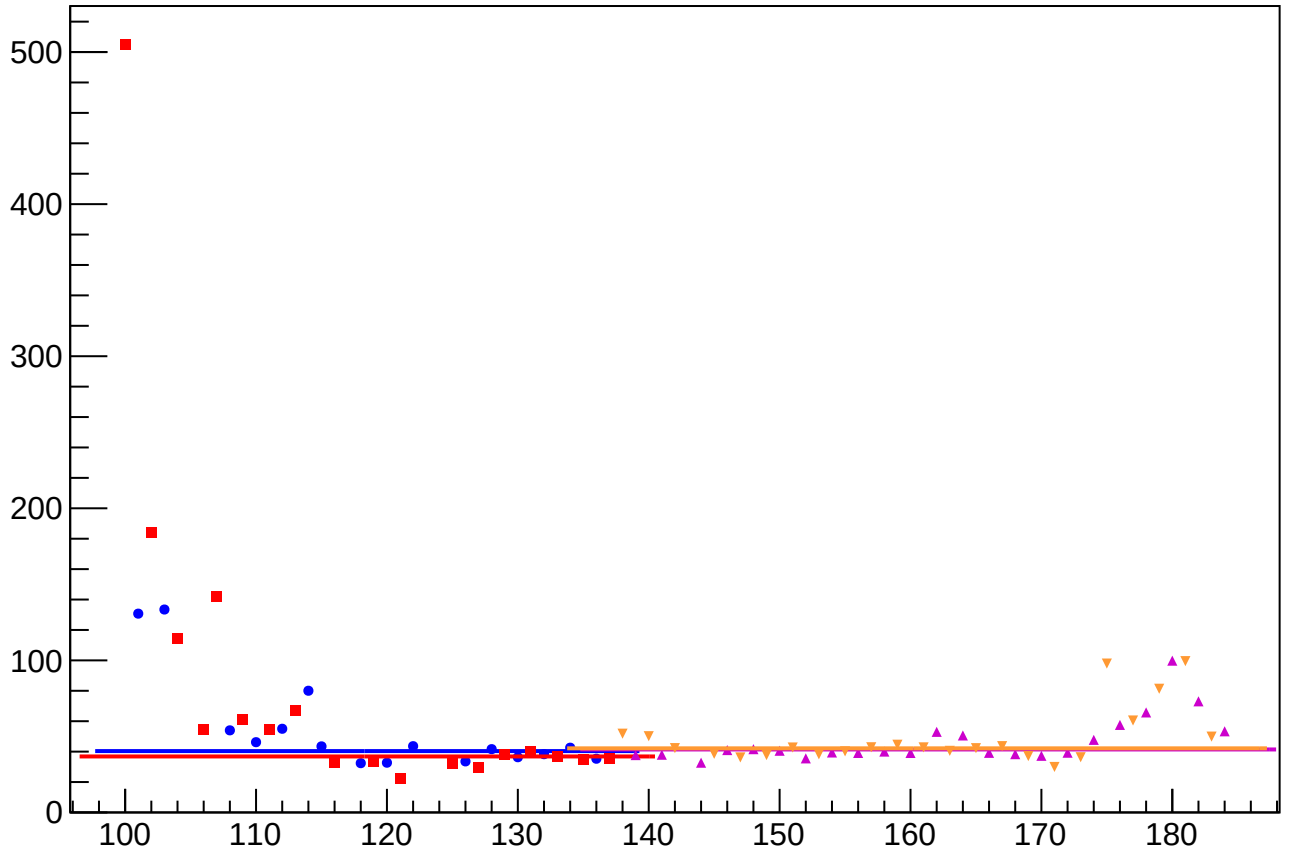
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 40.8/38

All: -0.005+/-0.006 χ^2/NDF: 71.9/79

- sign -0.004+/-0.009 χ^2/NDF: 31.1/40



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 42.161+/-0.008 χ^2/NDF:1816813.9/22

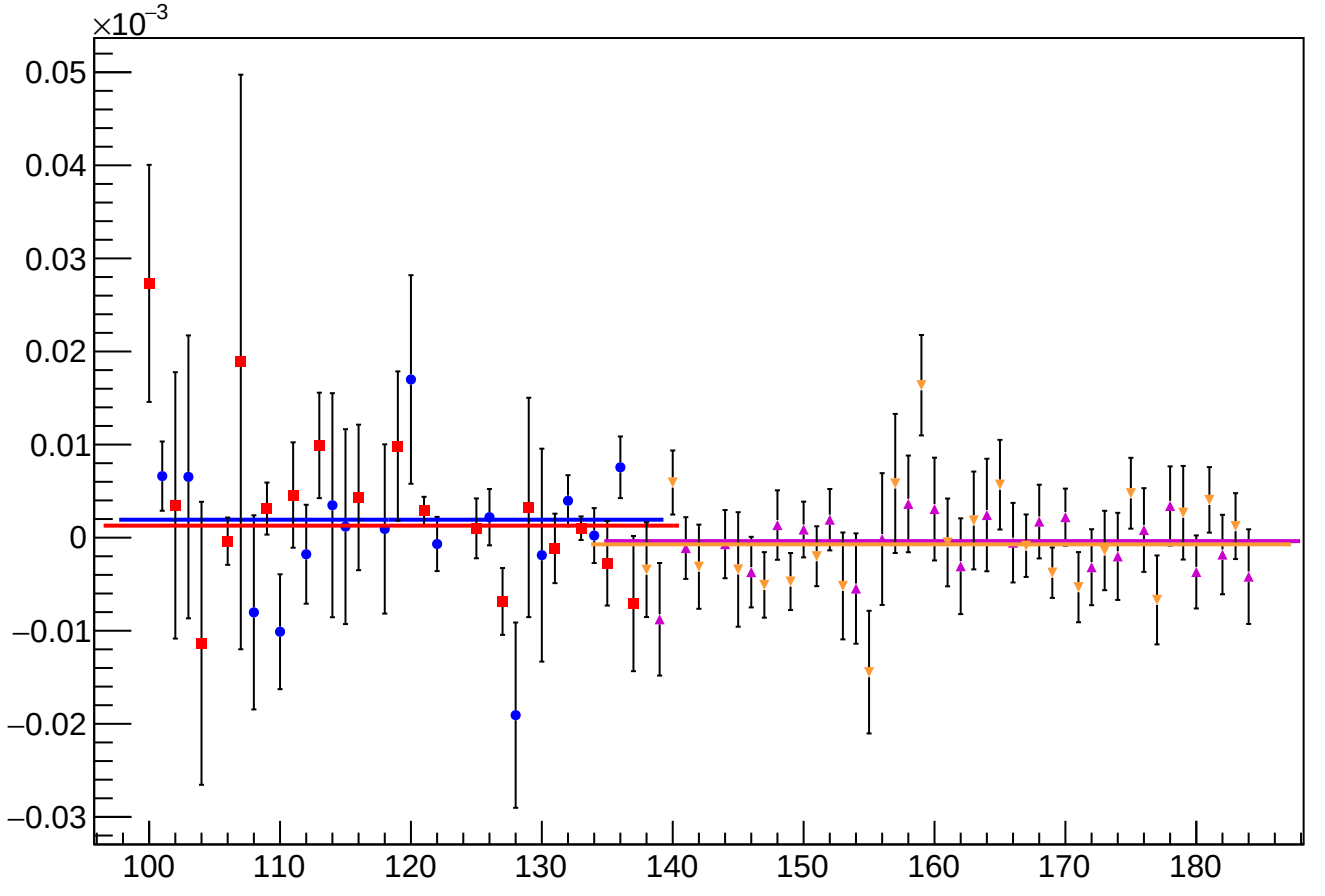
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.631+/-0.007 χ^2/NDF: 3242813.7/38

All: 40.833+/-0.005 χ^2/NDF: 6628666.3/79

\- sign 40.072+/-0.006 χ^2/NDF: 3356751.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.7/22

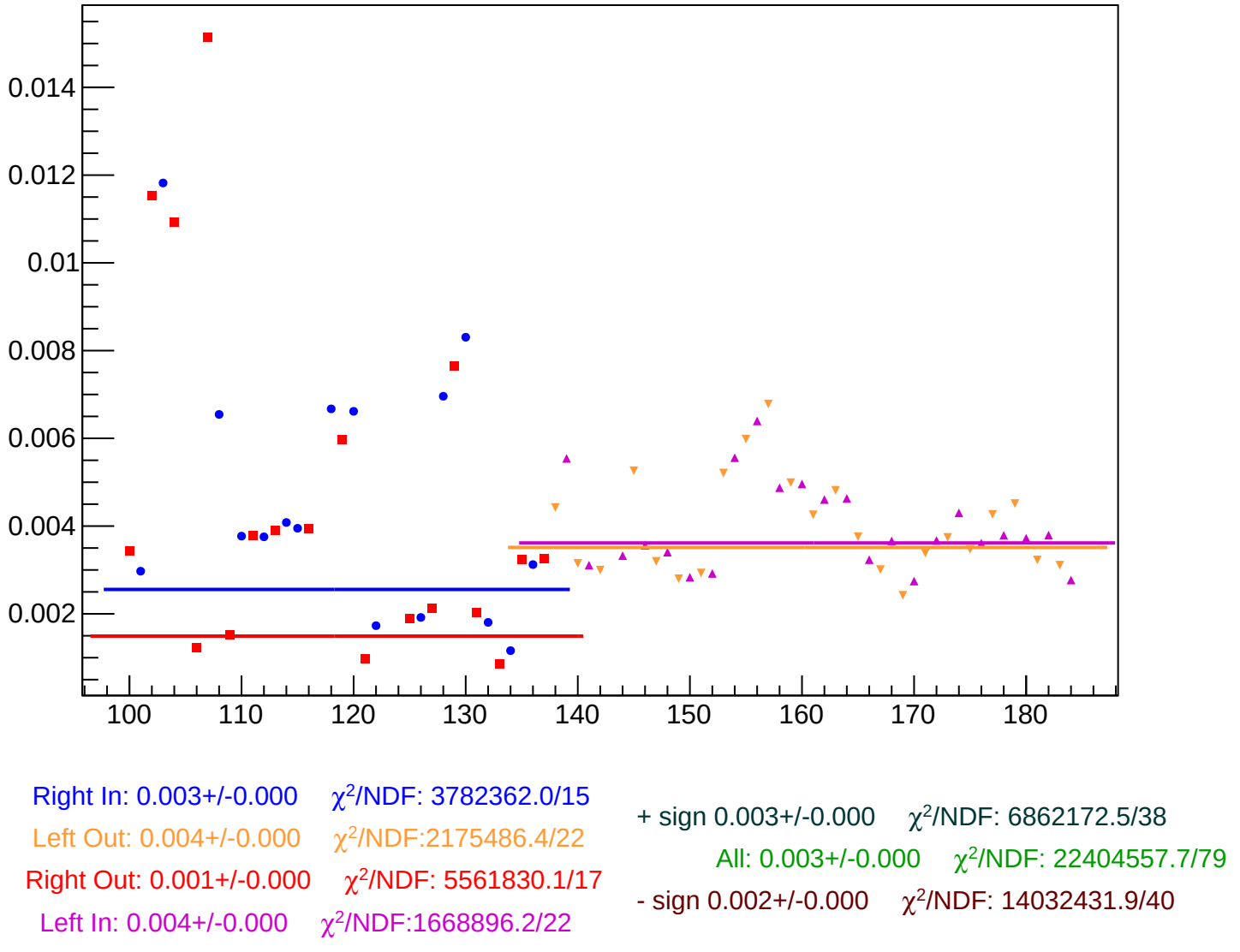
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

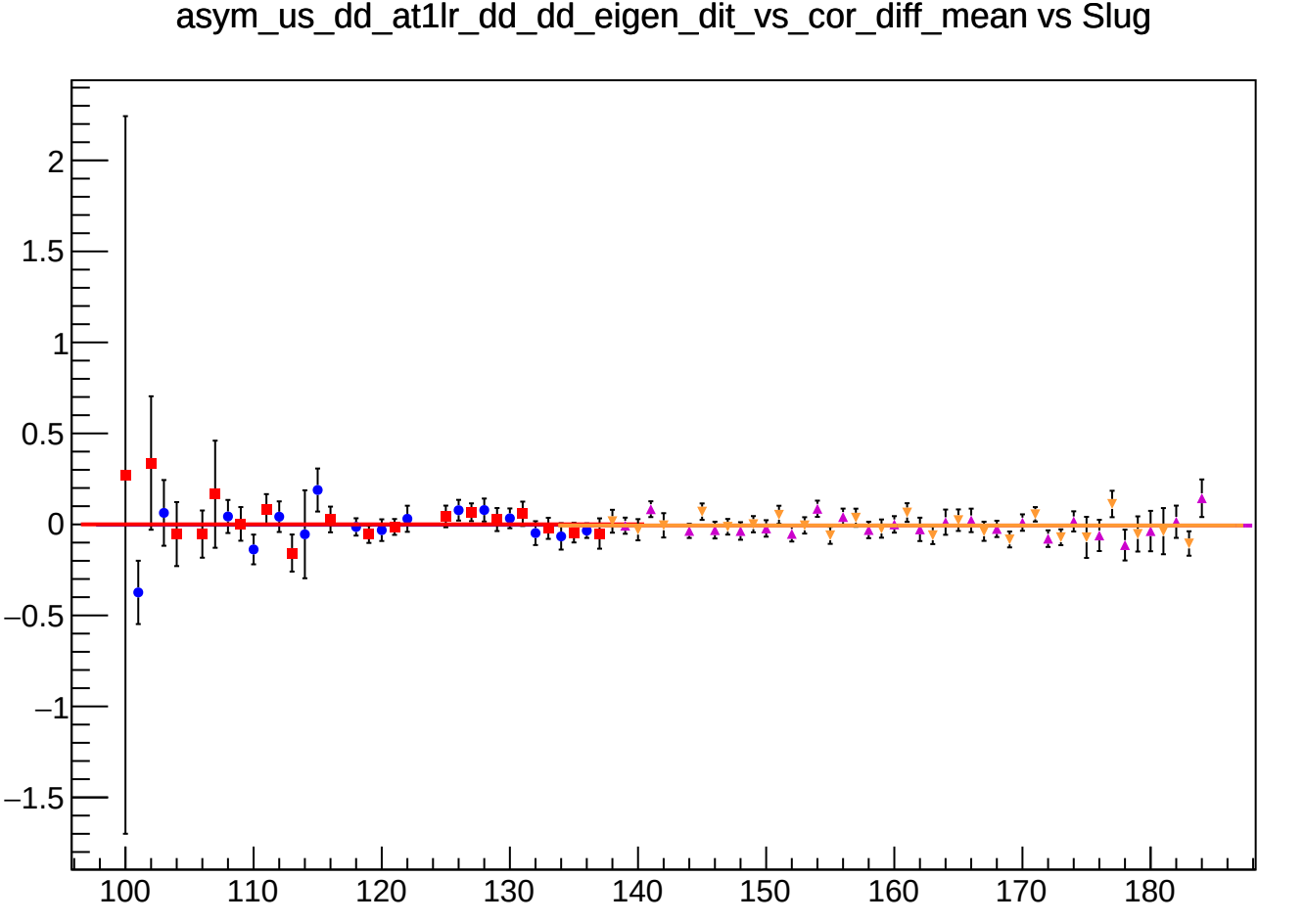
Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/38

All: 0.000+/-0.000 χ^2/NDF: 86.8/79

- sign 0.000+/-0.000 χ^2/NDF: 30.6/40


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:1668896.2/22
+ sign 0.003+/-0.000 χ²/NDF: 6862172.5/38
All: 0.003+/-0.000 χ²/NDF: 22404557.7/79
- sign 0.002+/-0.000 χ²/NDF: 14032431.9/40



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.006+/-0.011 χ^2/NDF:23.7/22

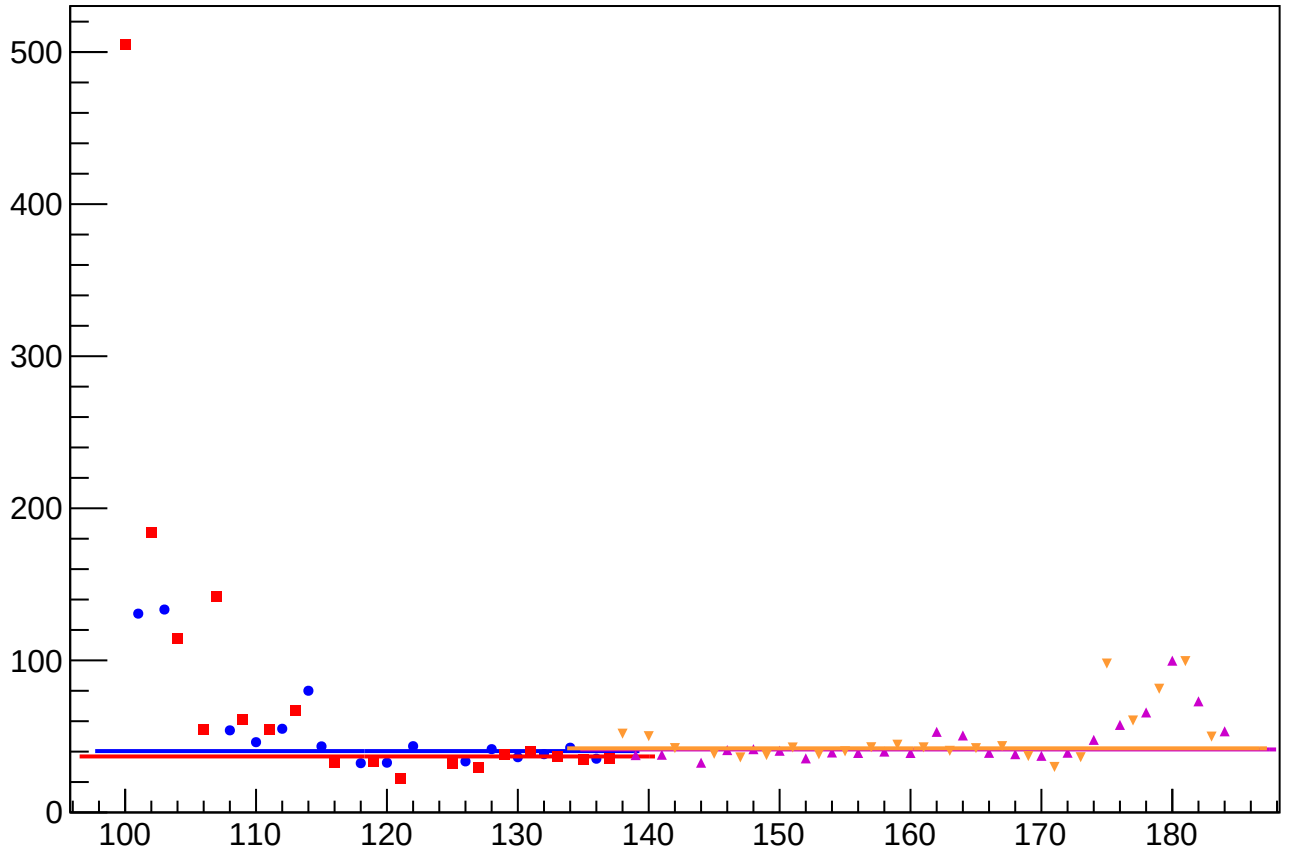
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 40.9/38

All: -0.005+/-0.006 χ^2/NDF: 71.9/79

- sign -0.004+/-0.009 χ^2/NDF: 31.1/40



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 42.161+/-0.008 χ^2/NDF:1816823.4/22

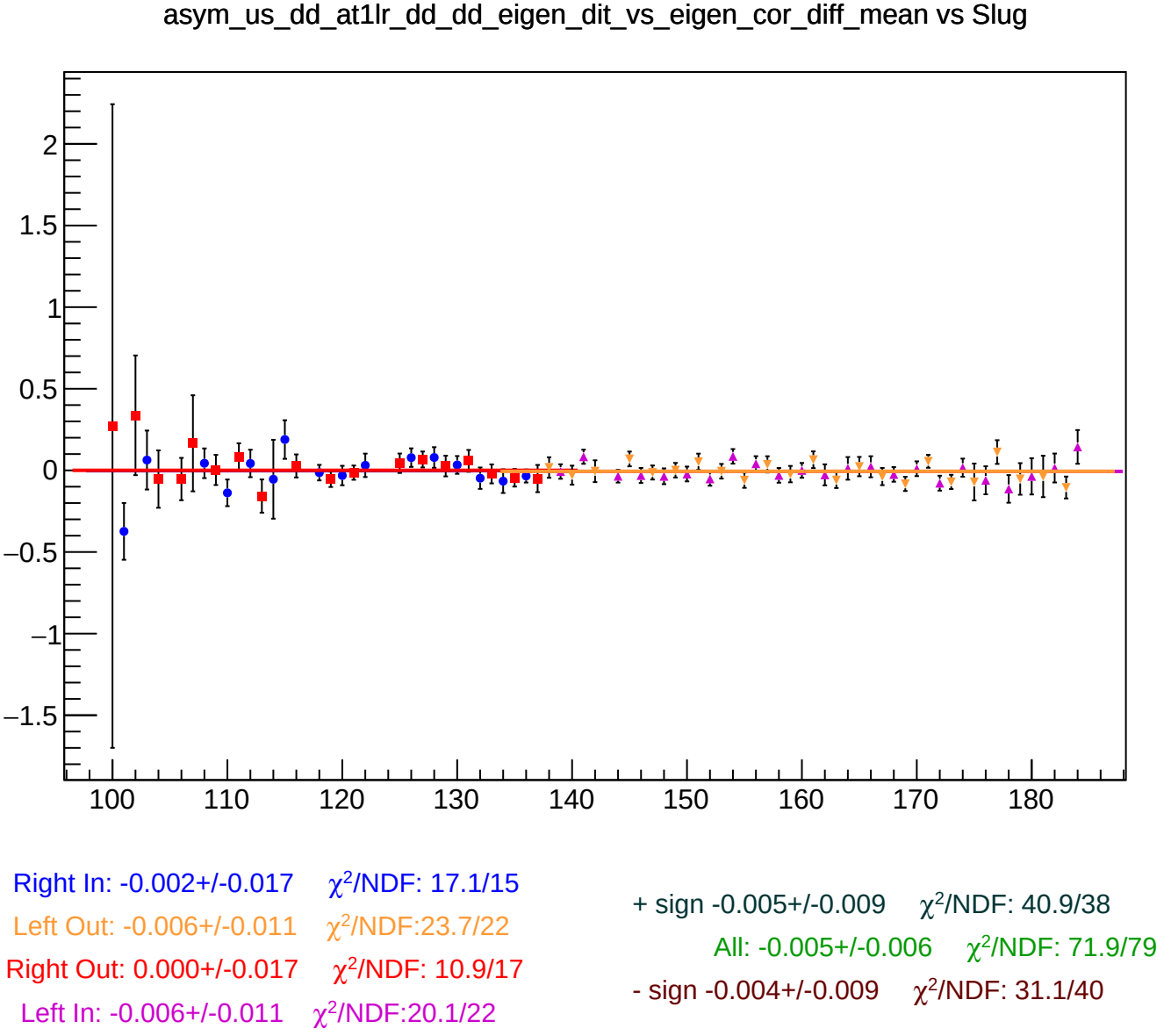
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

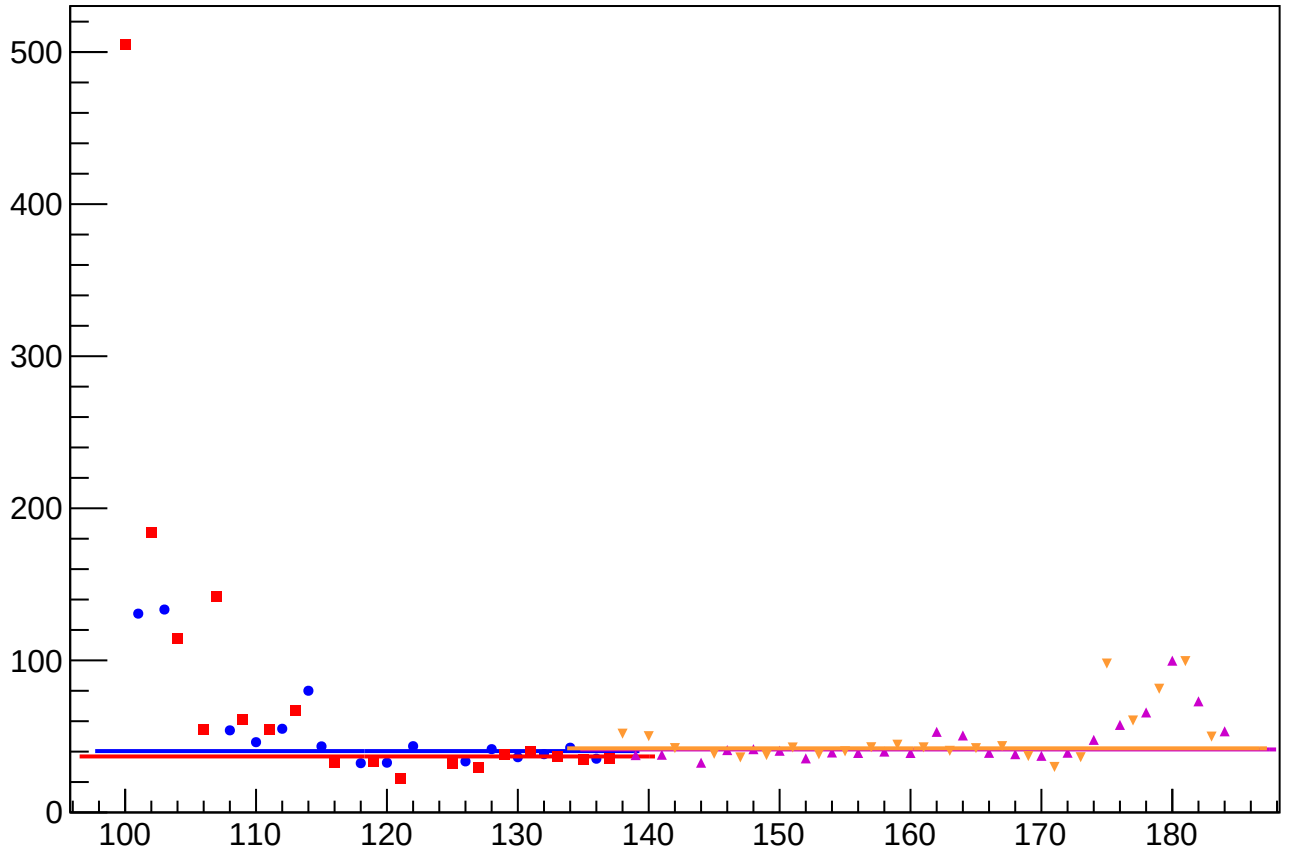
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.631+/-0.007 χ^2/NDF: 3242708.4/38

All: 40.832+/-0.005 χ^2/NDF: 6628539.7/79

\- sign 40.071+/-0.006 χ^2/NDF: 3356716.8/40


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: -0.006+/-0.011 χ²/NDF:23.7/22
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign -0.005+/-0.009 χ²/NDF: 40.9/38
All: -0.005+/-0.006 χ²/NDF: 71.9/79
- sign -0.004+/-0.009 χ²/NDF: 31.1/40



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 42.161+/-0.008 χ^2/NDF:1816823.4/22

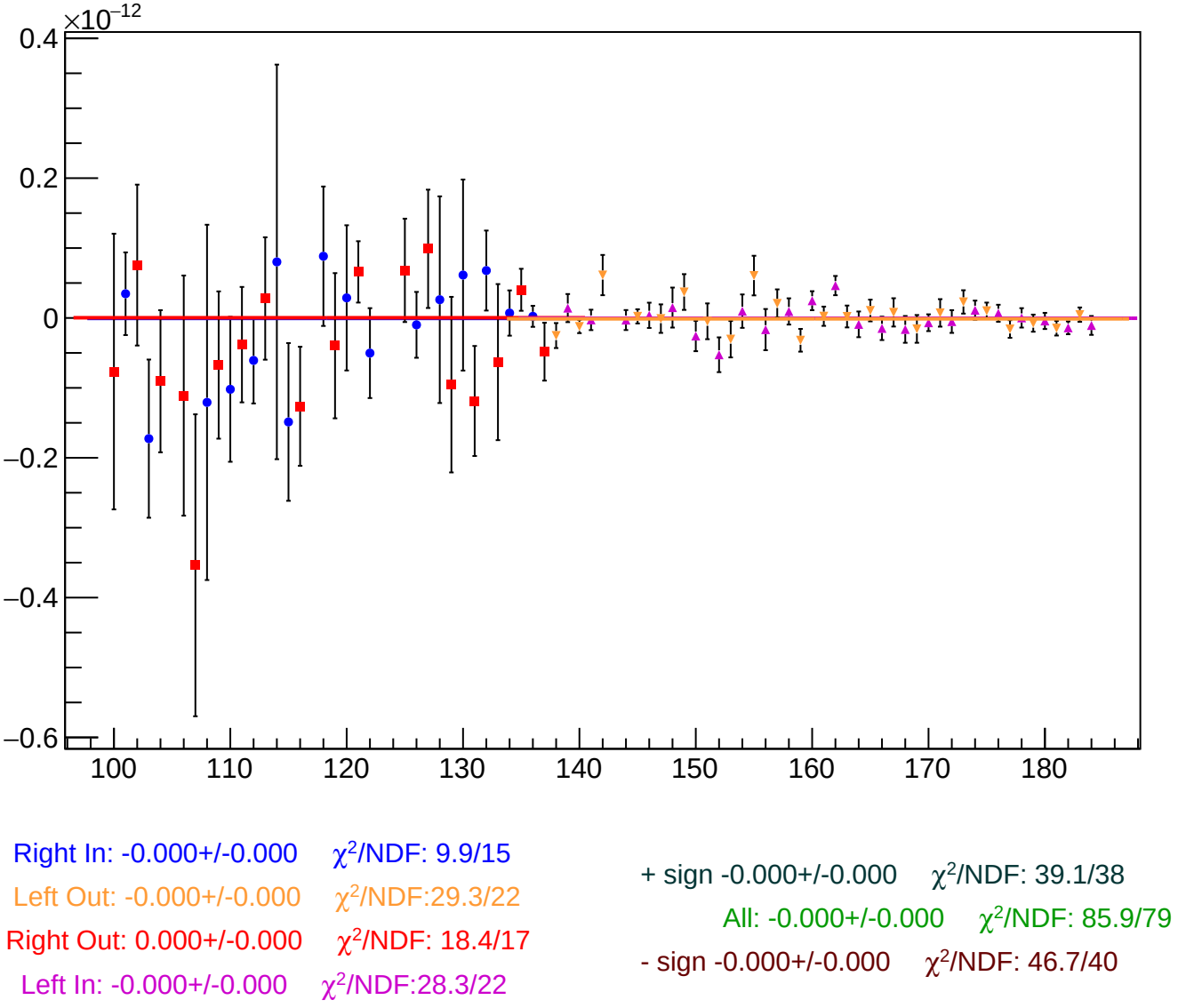
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

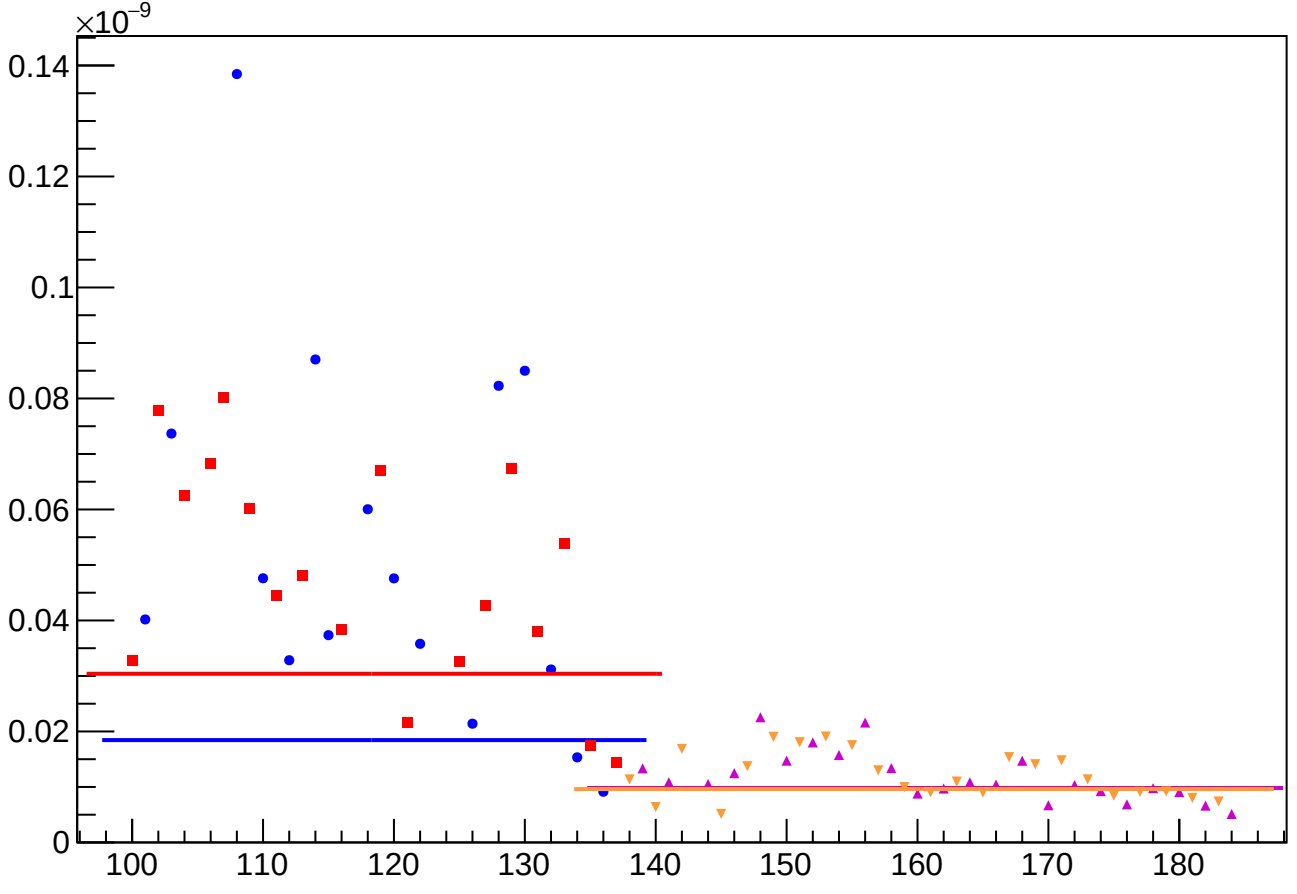
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.631+/-0.007 χ^2/NDF: 3242708.4/38

All: 40.832+/-0.005 χ^2/NDF: 6628539.7/79

\- sign 40.071+/-0.006 χ^2/NDF: 3356716.8/40


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:28.3/22
+ sign -0.000+/-0.000 χ²/NDF: 39.1/38
All: -0.000+/-0.000 χ²/NDF: 85.9/79
- sign -0.000+/-0.000 χ²/NDF: 46.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2430573.4/22

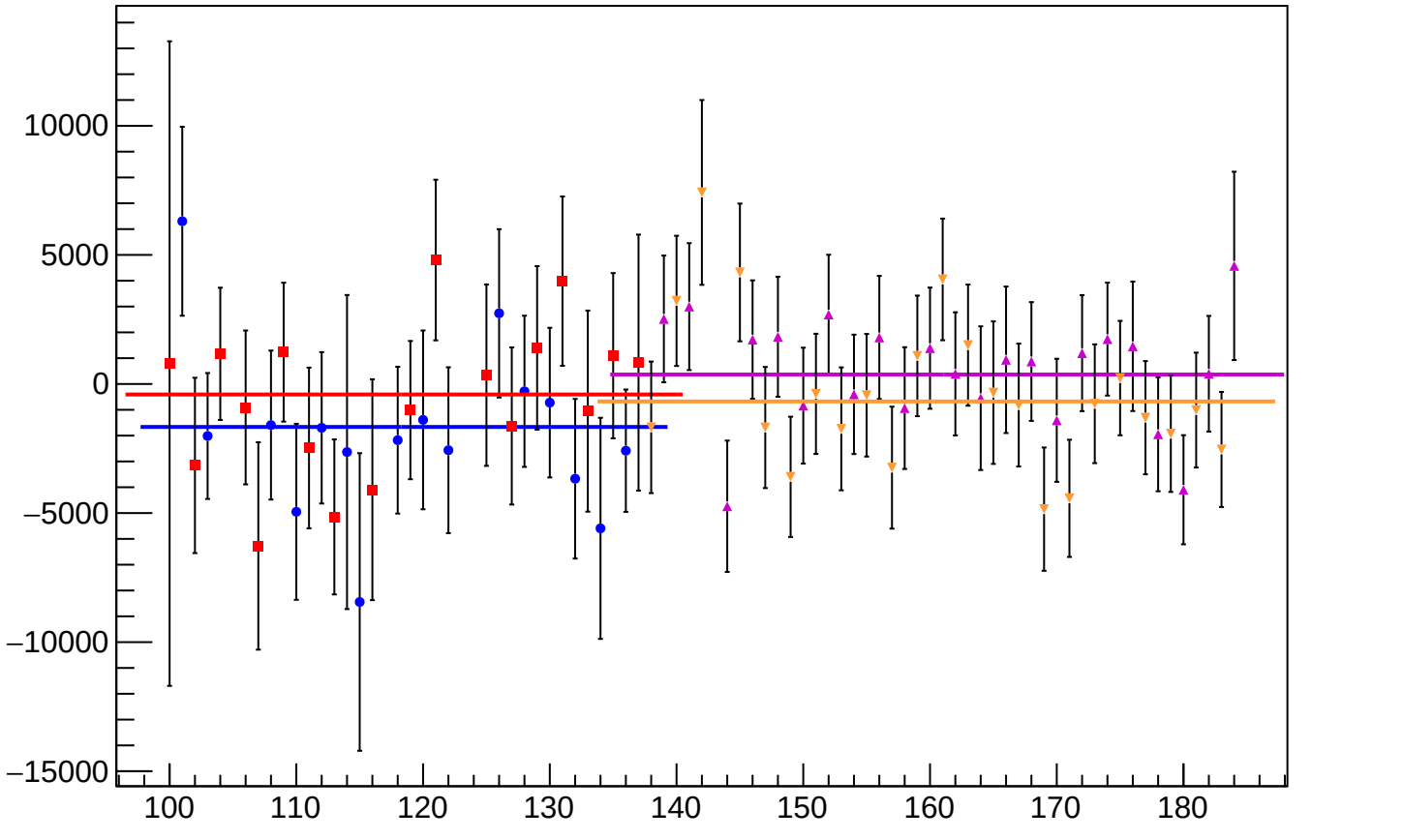
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7541677.4/38

All: 0.000+/-0.000 χ^2/NDF: 15203671.6/79

- sign 0.000+/-0.000 χ^2/NDF: 7649098.2/40



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

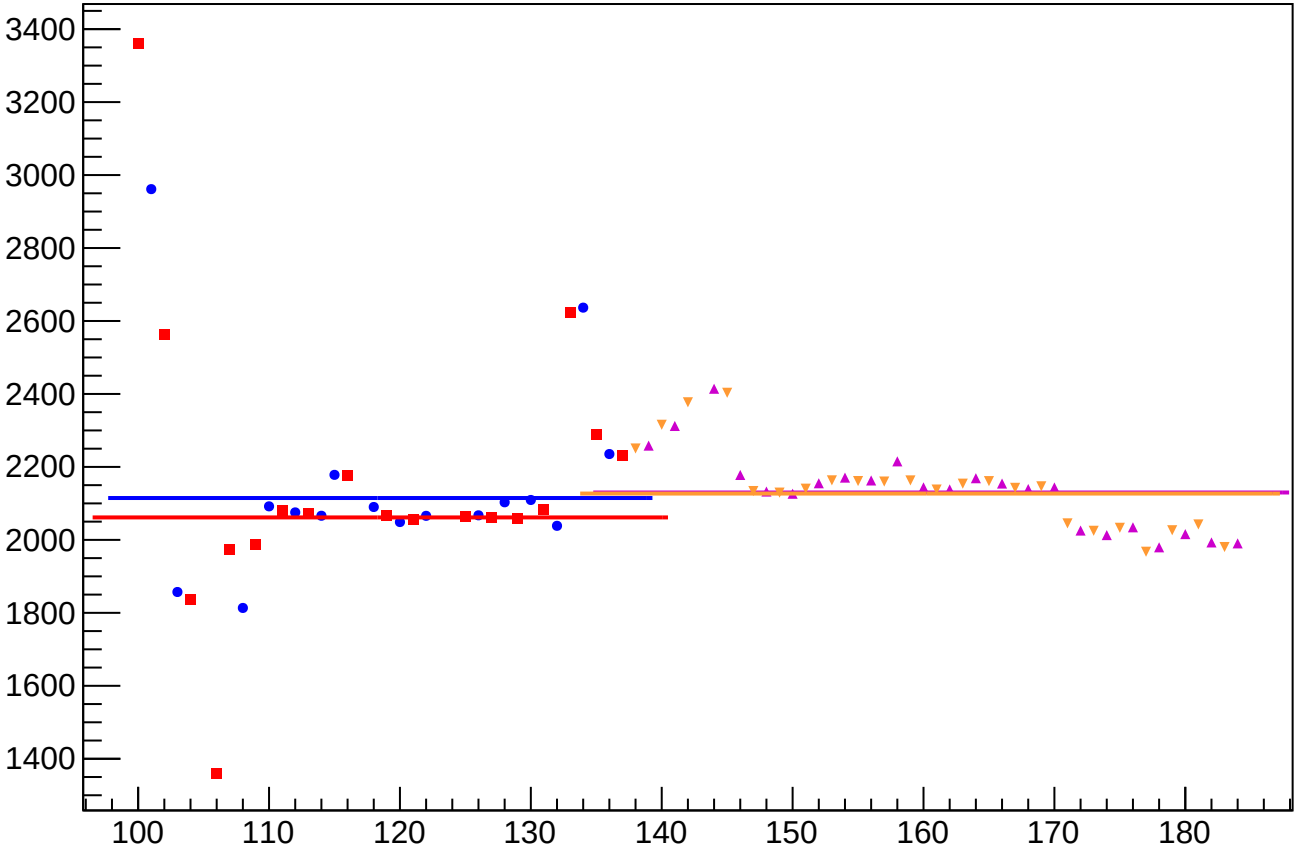
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -955.871+/-421.456 χ^2/NDF: 38.8/38

All: -404.222+/-297.227 χ^2/NDF: 72.9/79

- sign 141.635+/-419.237 χ^2/NDF: 30.7/40

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

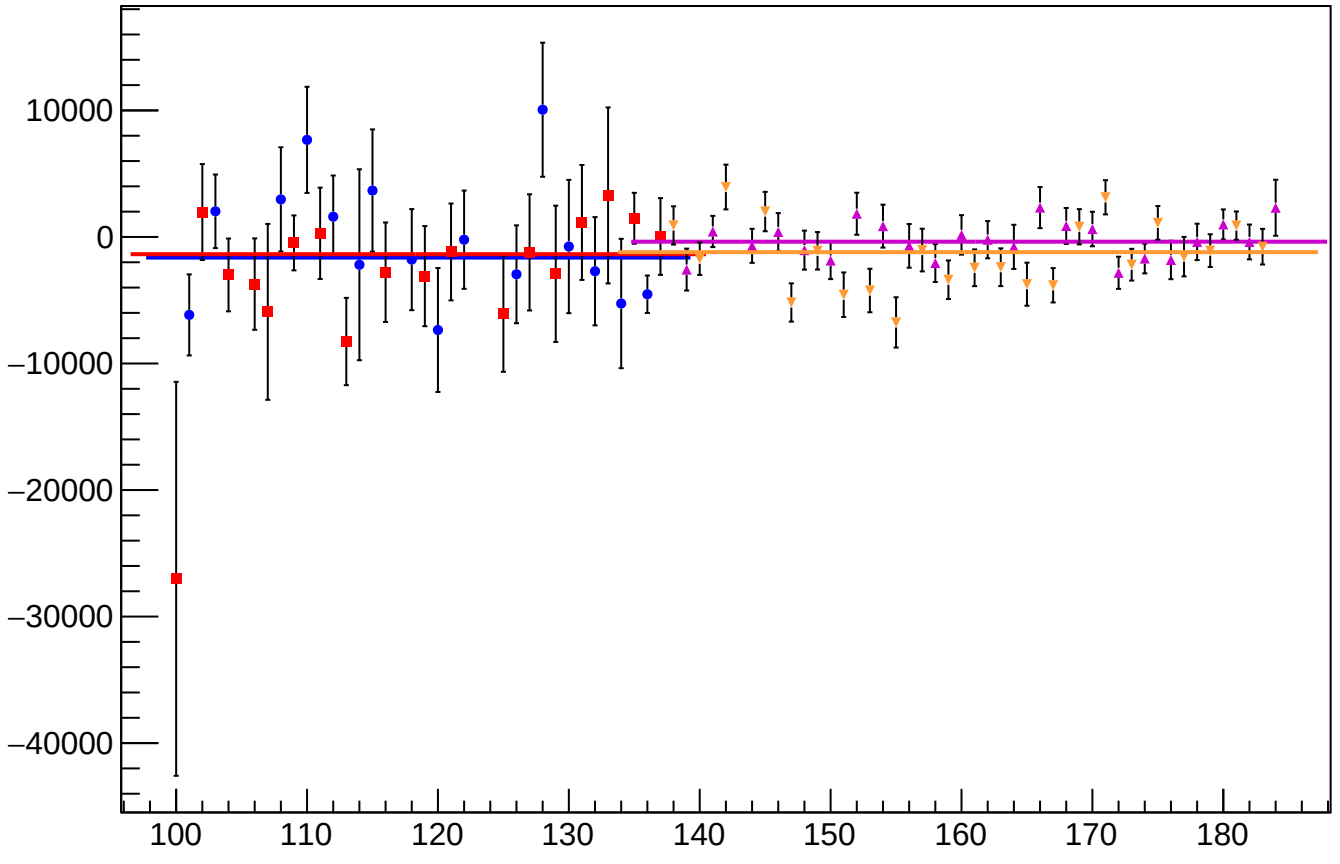
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2123.517+/-0.298 χ^2/NDF: 276246.1/38

All: 2116.728+/-0.210 χ^2/NDF: 622783.7/79

- sign 2110.010+/-0.296 χ^2/NDF: 345505.0/40



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1201.069+/-304.899 χ^2/NDF:65.3/22

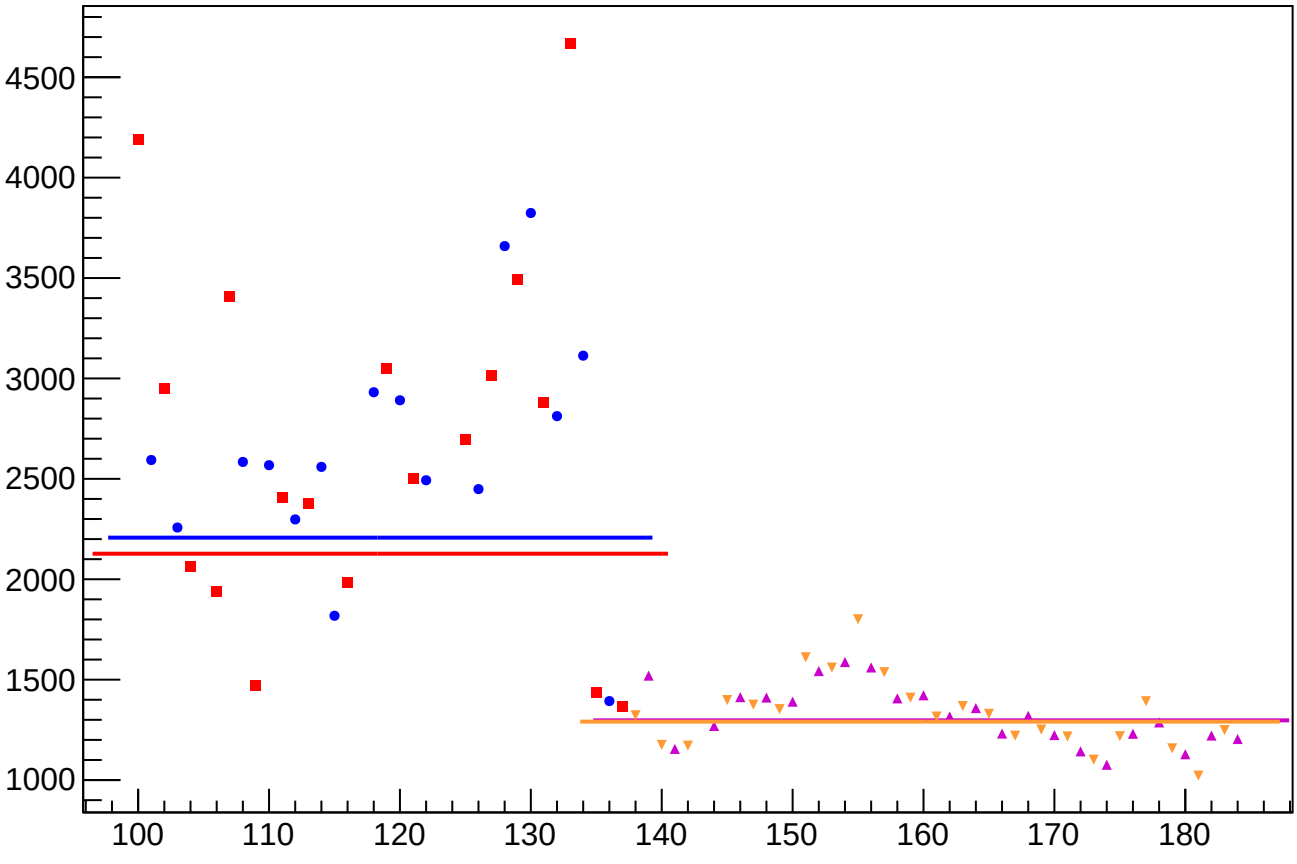
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1248.777+/-287.463 χ^2/NDF: 88.4/38

All: -868.099+/-203.109 χ^2/NDF: 126.9/79

- sign -488.600+/-287.017 χ^2/NDF: 35.0/40



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1291.061+/-0.216 χ^2/NDF:566496.3/22

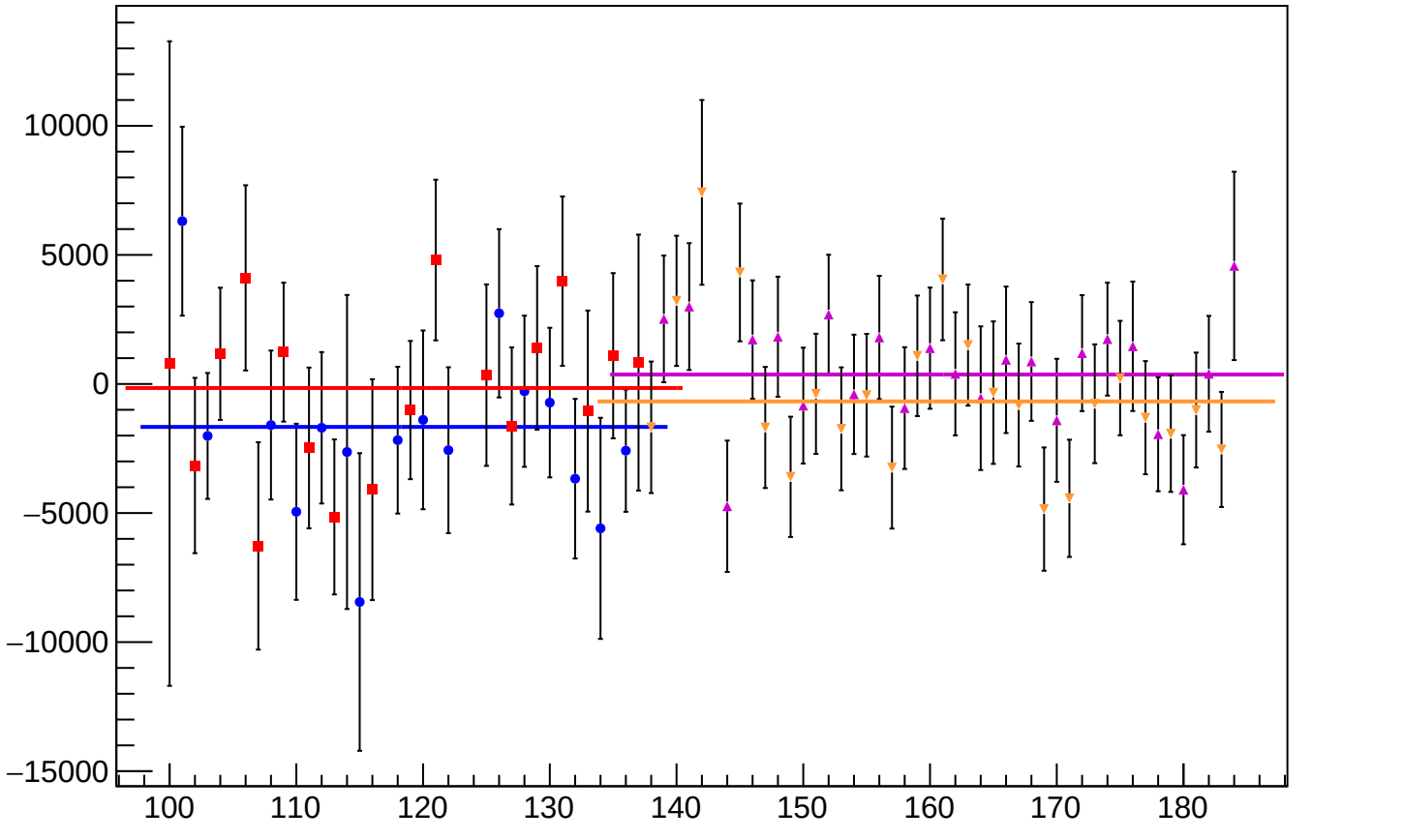
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1392.854+/-0.203 χ^2/NDF: 3822174.3/38

All: 1393.545+/-0.144 χ^2/NDF: 7436488.1/79

- sign 1394.234+/-0.203 χ^2/NDF: 3614290.7/40



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

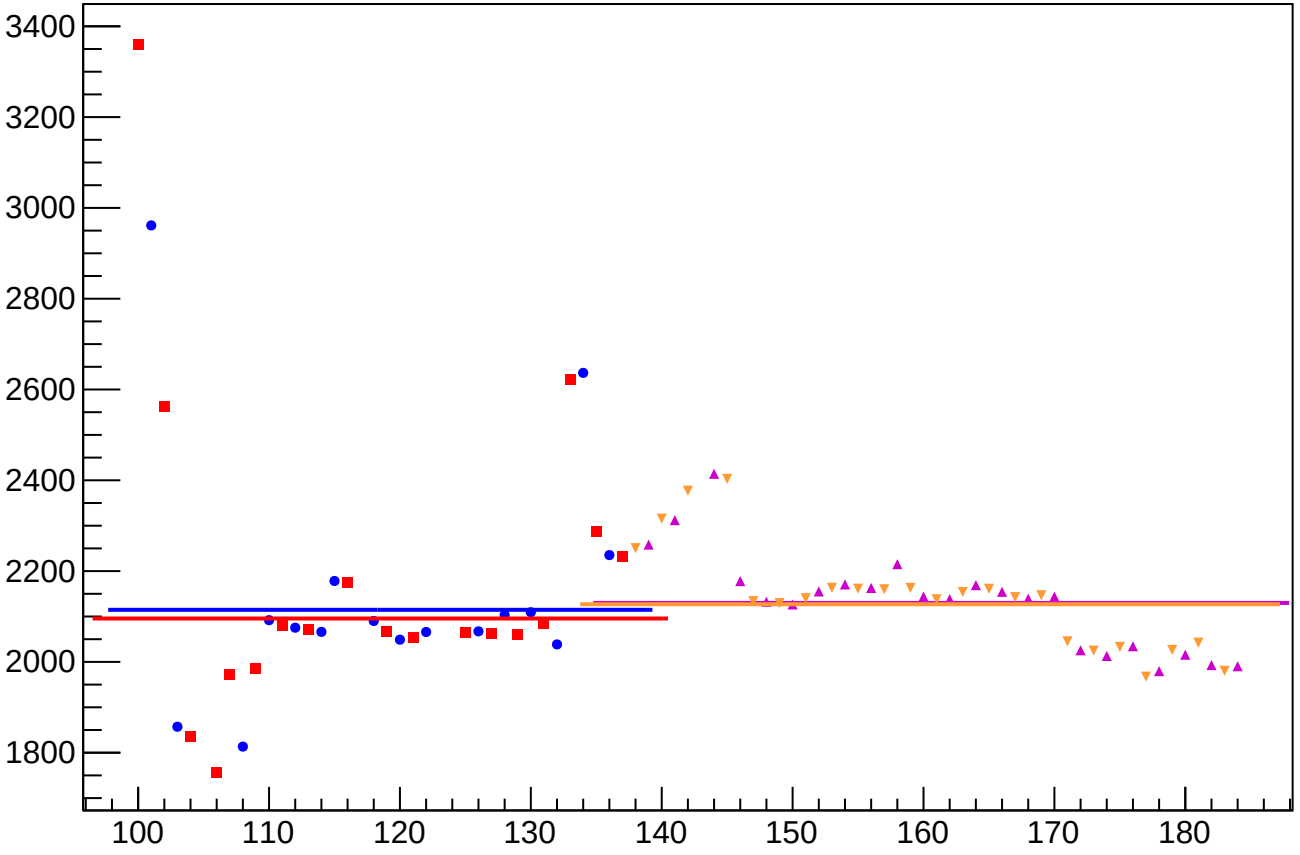
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -955.763+/-421.456 χ^2/NDF: 38.8/38

All: -368.137+/-297.686 χ^2/NDF: 74.5/79

- sign 216.907+/-420.529 χ^2/NDF: 31.8/40

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

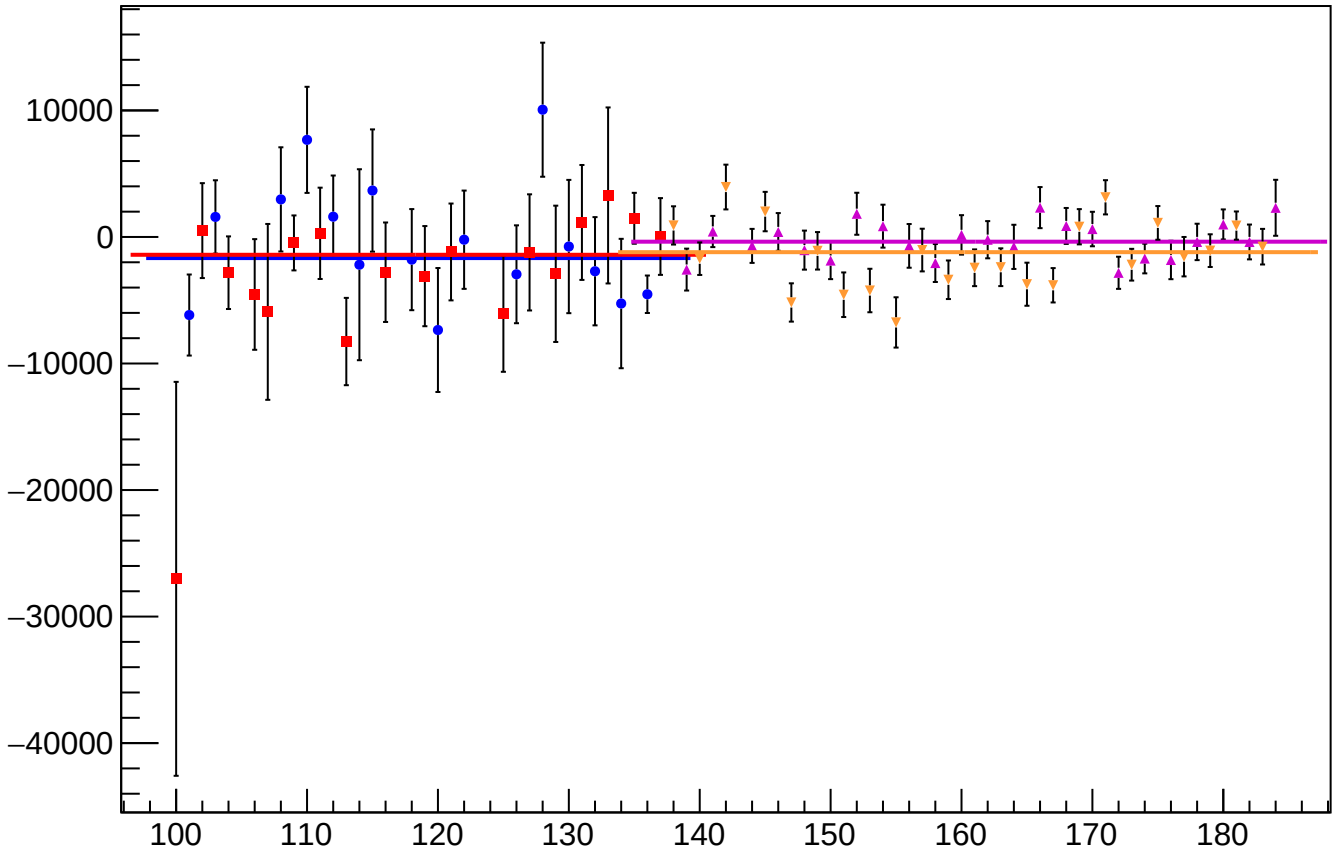
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2123.517+/-0.298 χ^2/NDF: 276246.4/38

All: 2121.788+/-0.210 χ^2/NDF: 513749.2/79

- sign 2120.065+/-0.297 χ^2/NDF: 237435.5/40



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

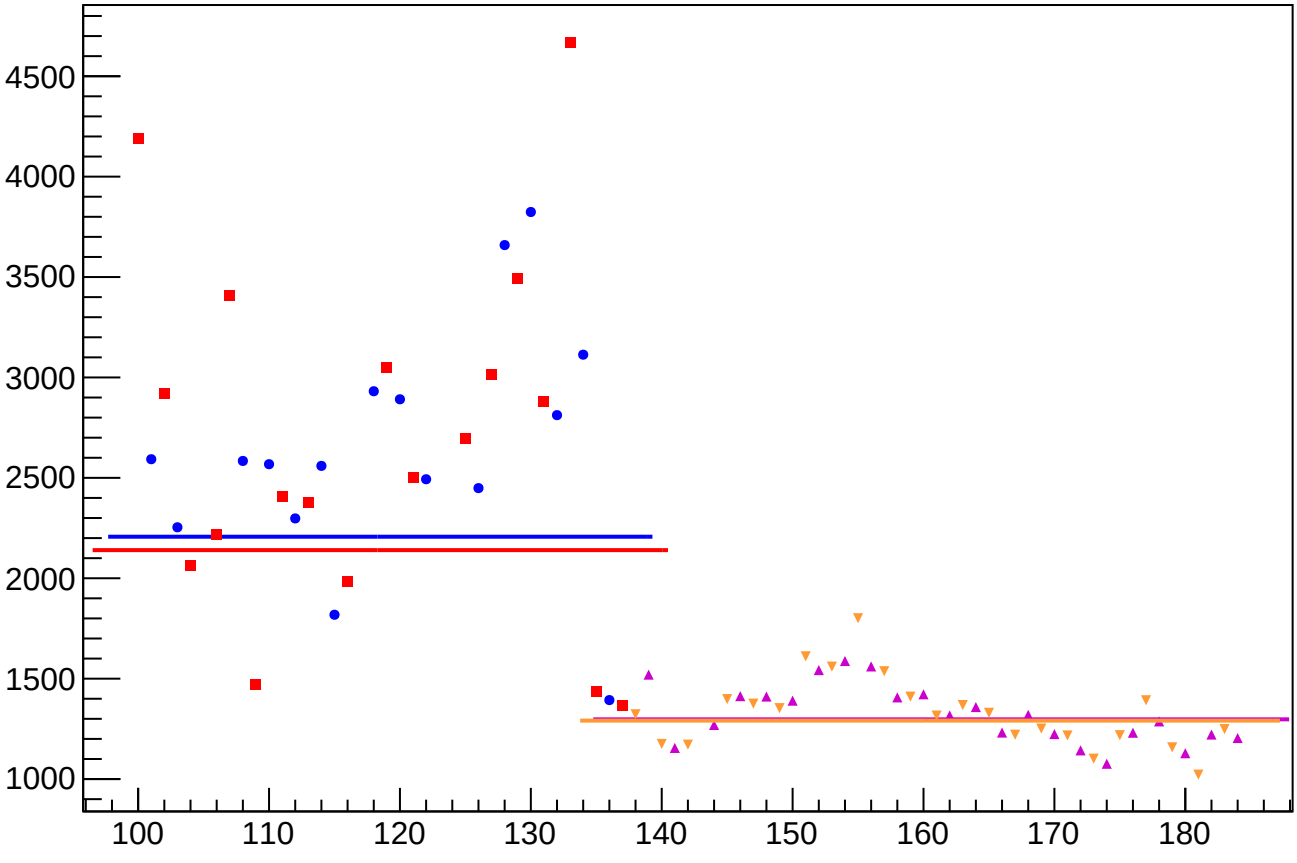
Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

\+ sign -1253.009+/-287.454 χ^2/NDF: 88.1/38

All: -872.378+/-203.199 χ^2/NDF: 126.2/79

\- sign -492.208+/-287.280 χ^2/NDF: 34.6/40

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1291.073+/-0.216 χ^2/NDF:566428.7/22

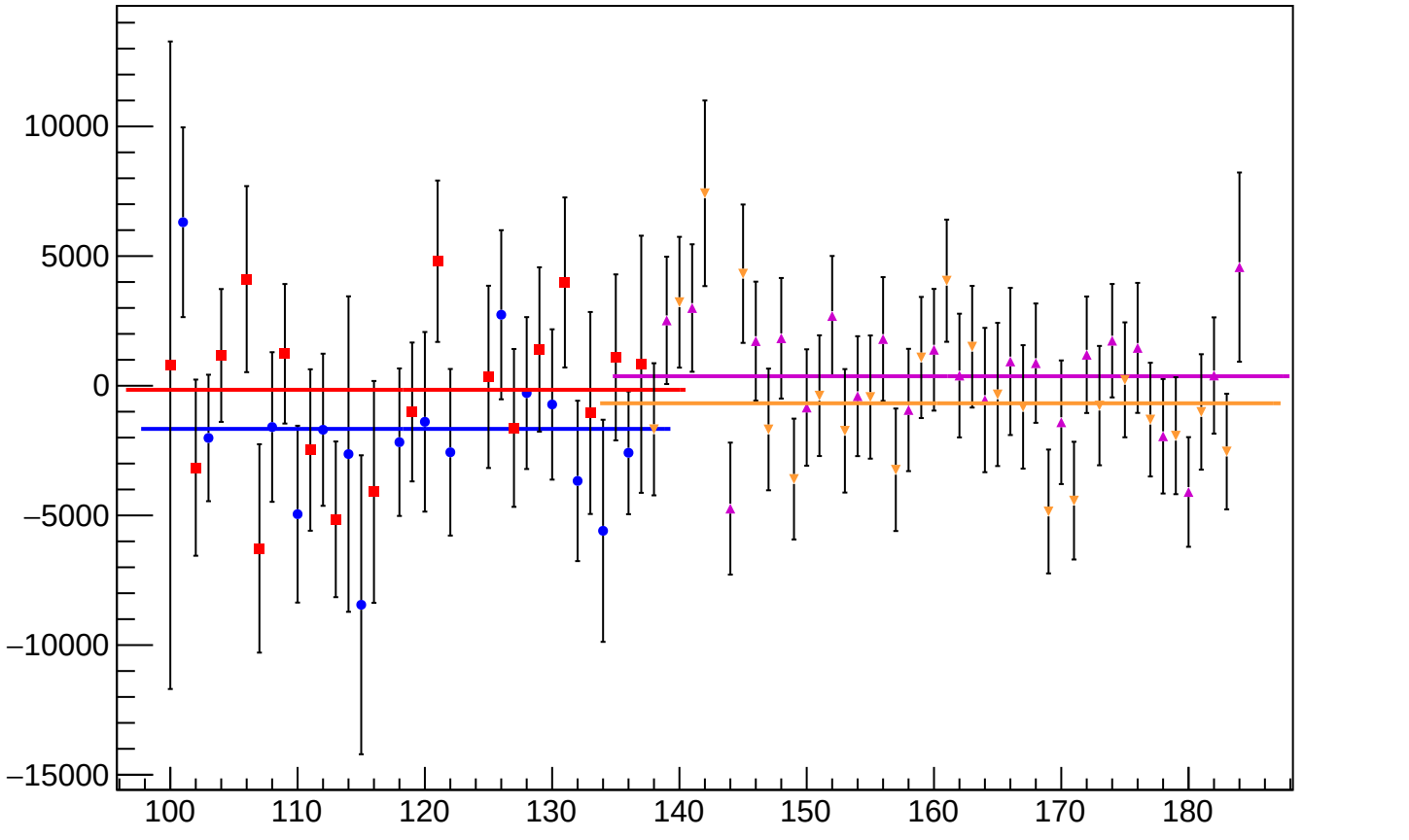
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1392.889+/-0.203 χ^2/NDF: 3821544.1/38

All: 1393.632+/-0.144 χ^2/NDF: 7455288.5/79

- sign 1394.374+/-0.203 χ^2/NDF: 3633717.7/40



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

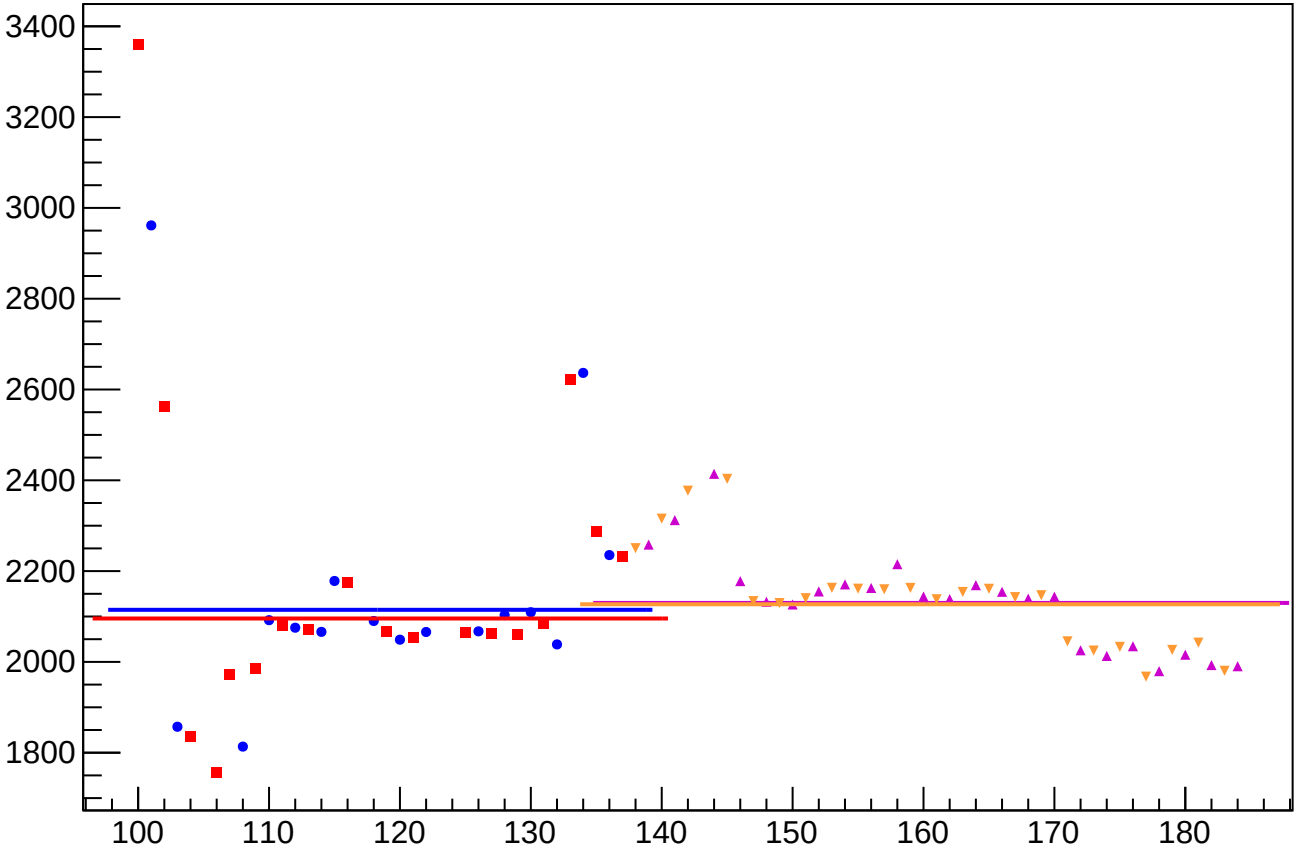
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -955.763+/-421.456 χ^2/NDF: 38.8/38

All: -368.137+/-297.686 χ^2/NDF: 74.5/79

- sign 216.907+/-420.529 χ^2/NDF: 31.8/40

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

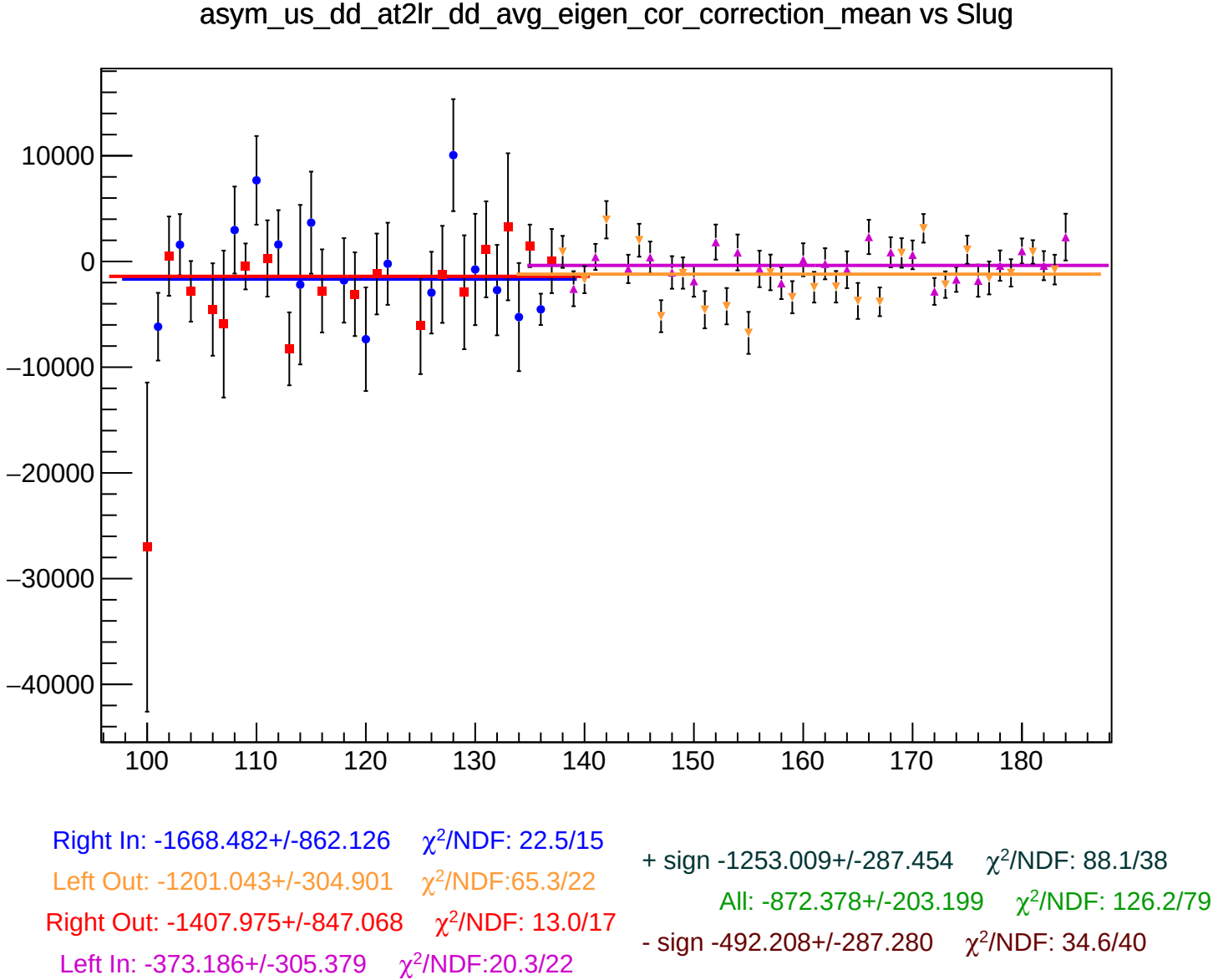
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

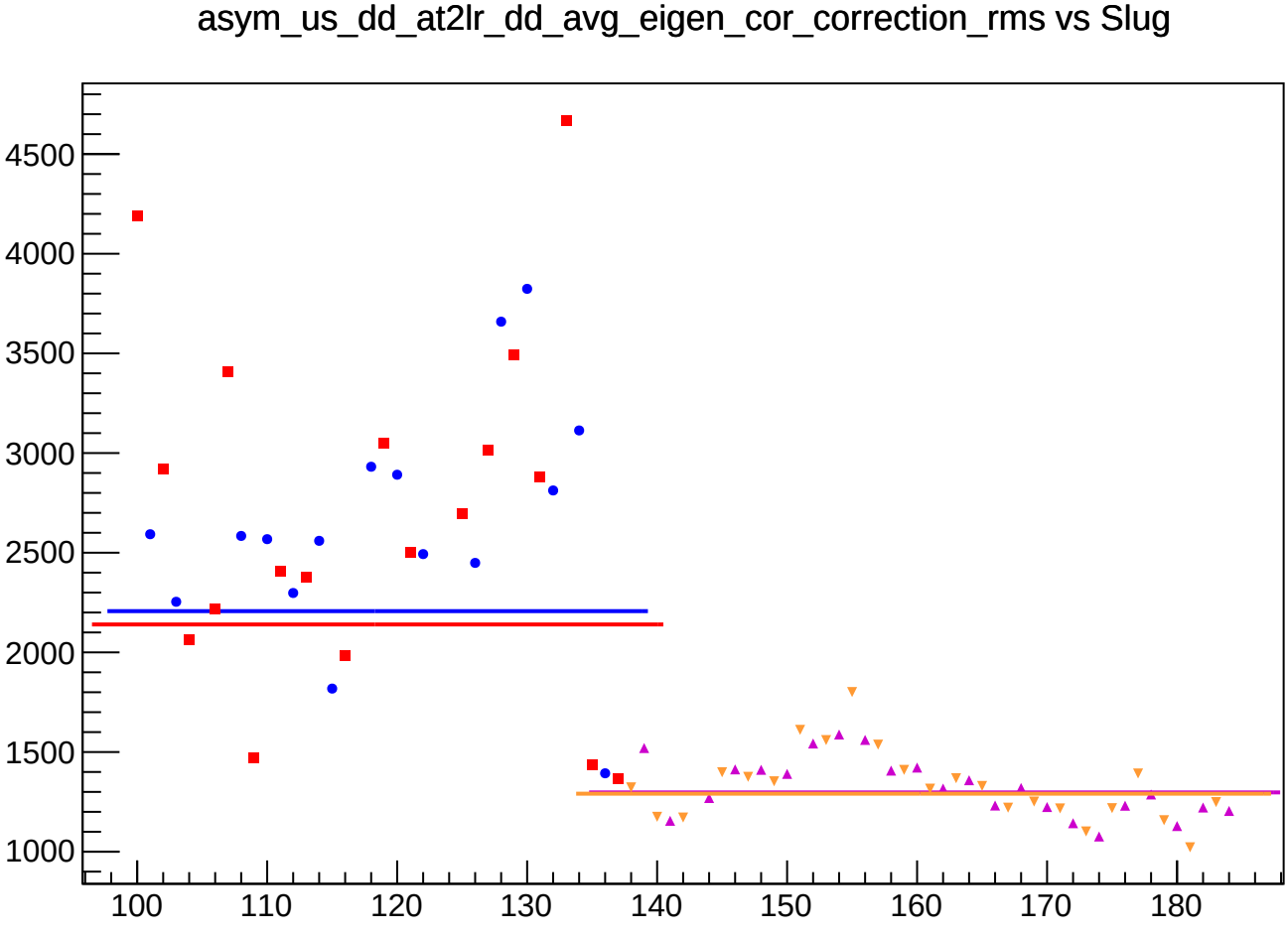
Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2123.517+/-0.298 χ^2/NDF: 276246.4/38

All: 2121.788+/-0.210 χ^2/NDF: 513749.2/79

- sign 2120.065+/-0.297 χ^2/NDF: 237435.5/40


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -1201.043+/-304.901 χ²/NDF:65.3/22
Right Out: -1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: -373.186+/-305.379 χ²/NDF:20.3/22
+ sign -1253.009+/-287.454 χ²/NDF: 88.1/38
All: -872.378+/-203.199 χ²/NDF: 126.2/79
- sign -492.208+/-287.280 χ²/NDF: 34.6/40



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

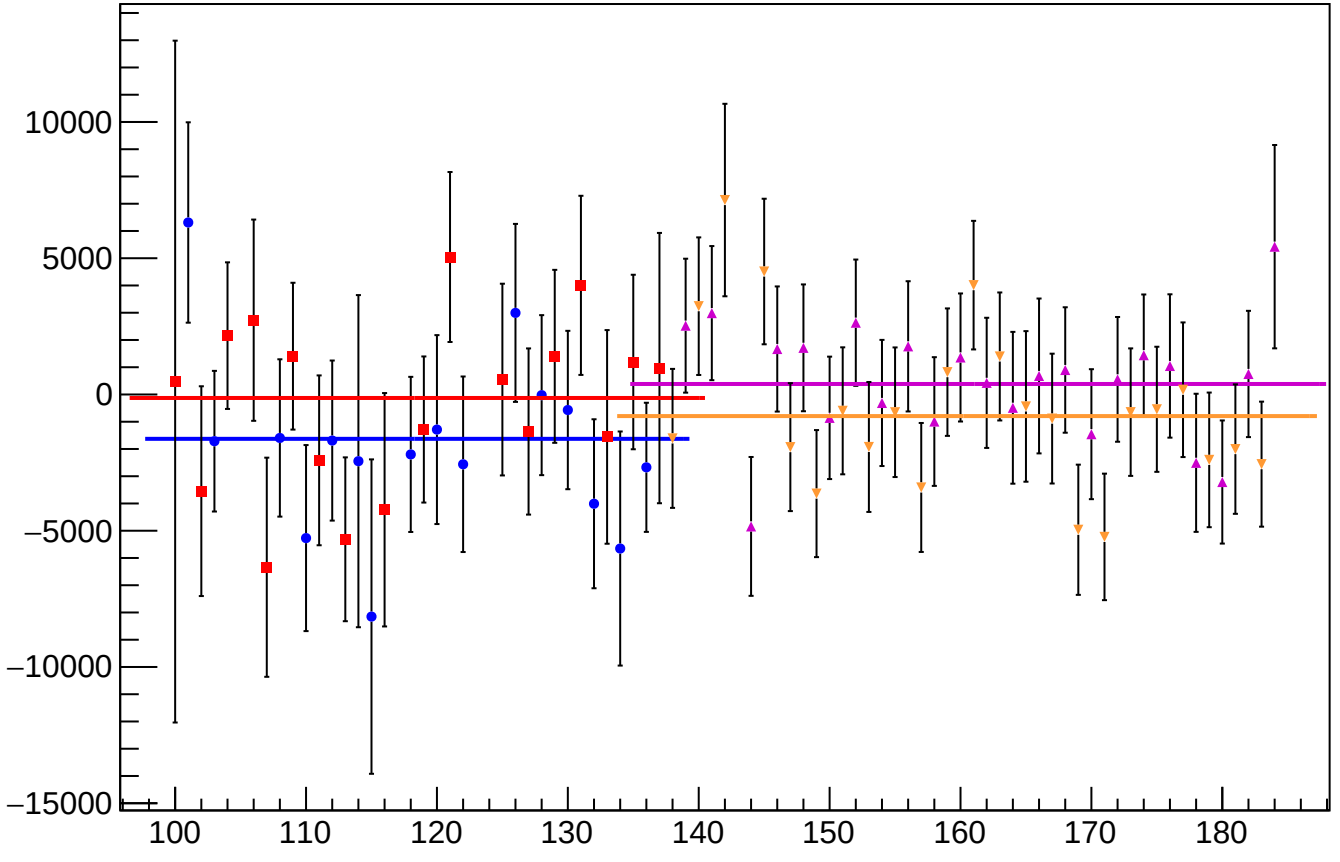
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1392.889+/-0.203 χ^2/NDF: 3821544.1/38

All: 1393.632+/-0.144 χ^2/NDF: 7455288.5/79

- sign 1394.374+/-0.203 χ^2/NDF: 3633717.7/40

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



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

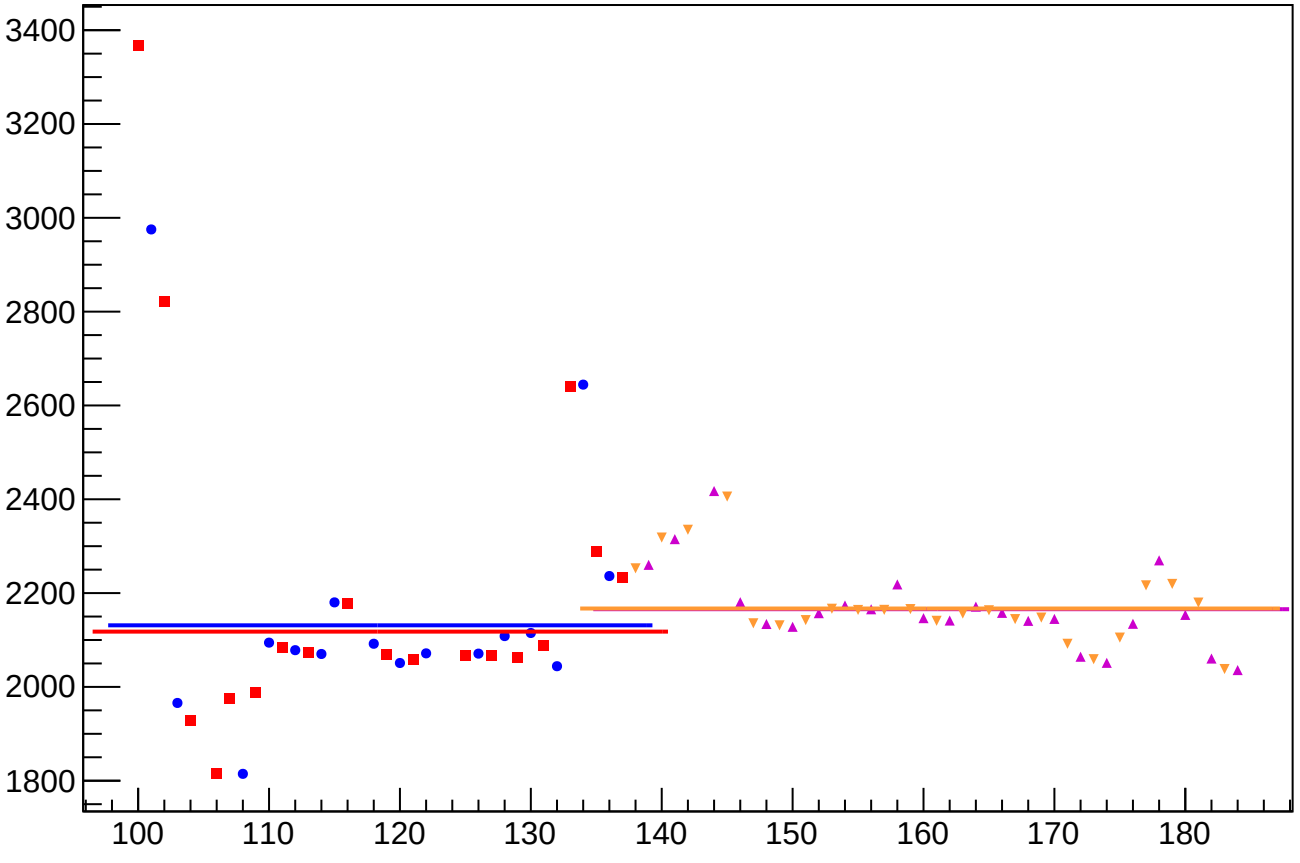
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1032.813+/-427.902 χ^2/NDF: 40.6/38

All: -396.388+/-302.268 χ^2/NDF: 75.5/79

- sign 237.477+/-427.041 χ^2/NDF: 30.5/40

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

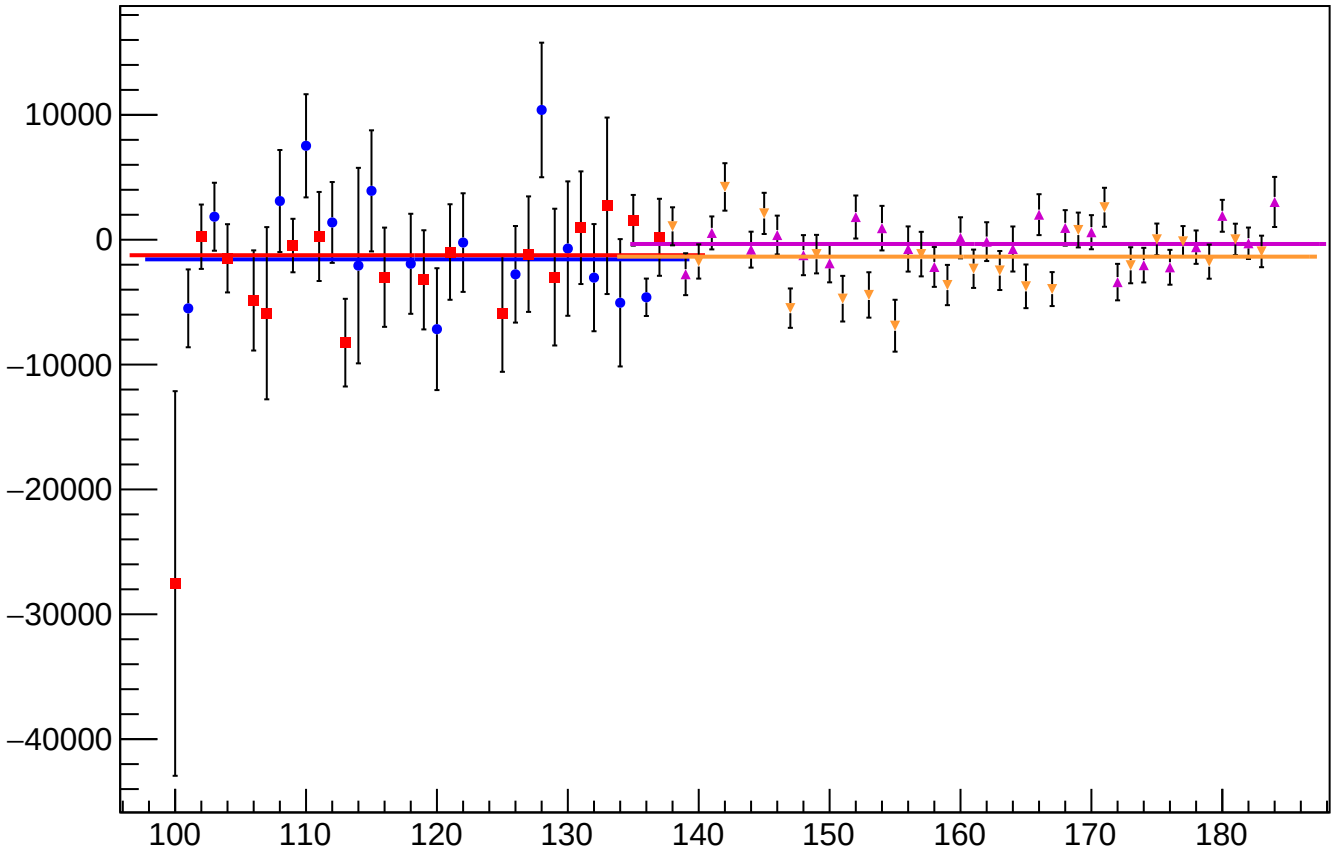
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2156.812+/-0.303 χ^2/NDF: 226308.3/38

All: 2154.346+/-0.214 χ^2/NDF: 447320.0/79

- sign 2151.889+/-0.302 χ^2/NDF: 220879.1/40



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1355.608+/-313.903 χ^2/NDF:56.8/22

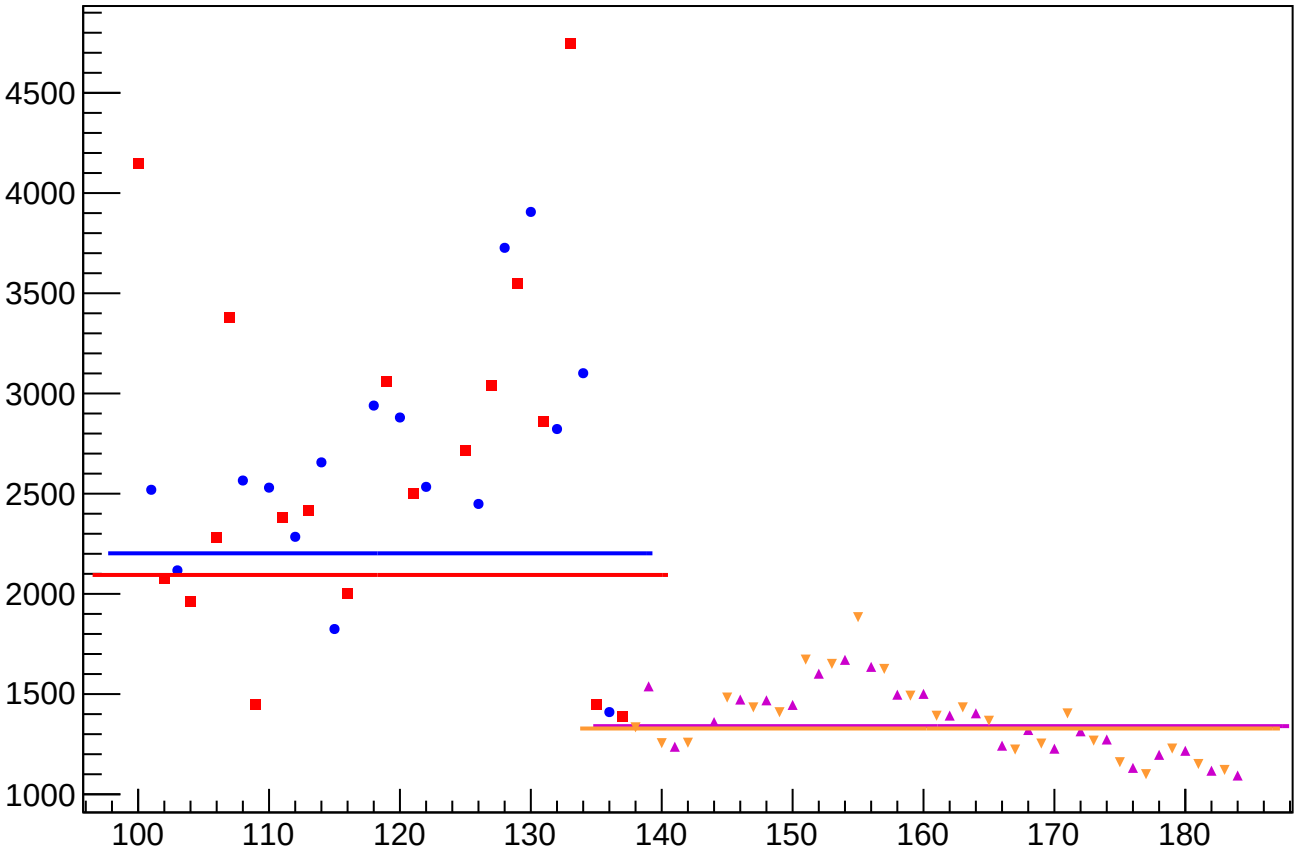
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1380.952+/-294.864 χ^2/NDF: 79.5/38

All: -918.594+/-208.371 χ^2/NDF: 123.3/79

- sign -457.378+/-294.500 χ^2/NDF: 38.9/40



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1328.241+/-0.222 χ^2/NDF:641008.4/22

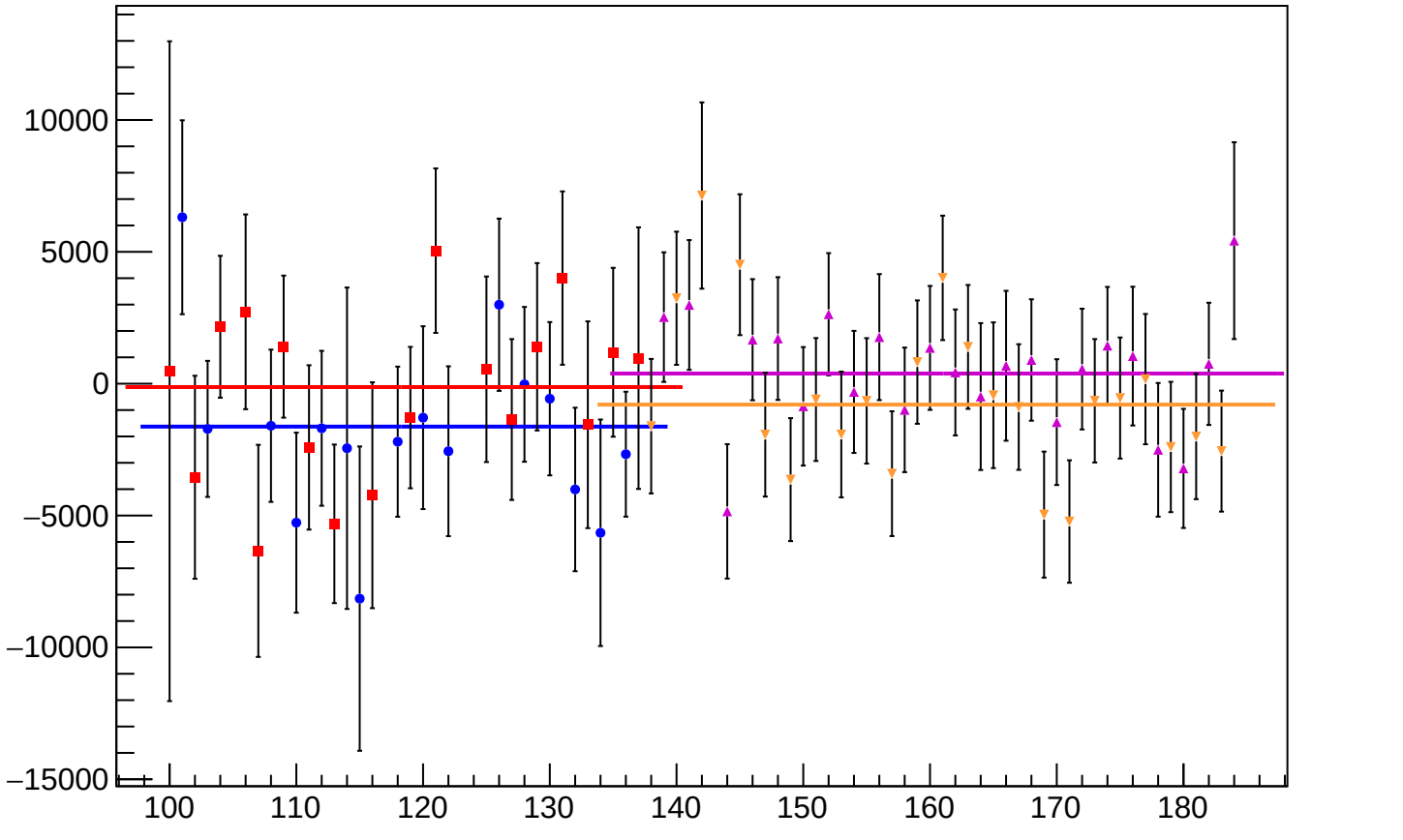
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1431.060+/-0.209 χ^2/NDF: 3688269.8/38

All: 1434.254+/-0.147 χ^2/NDF: 7031670.5/79

- sign 1437.440+/-0.208 χ^2/NDF: 3342932.0/40



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

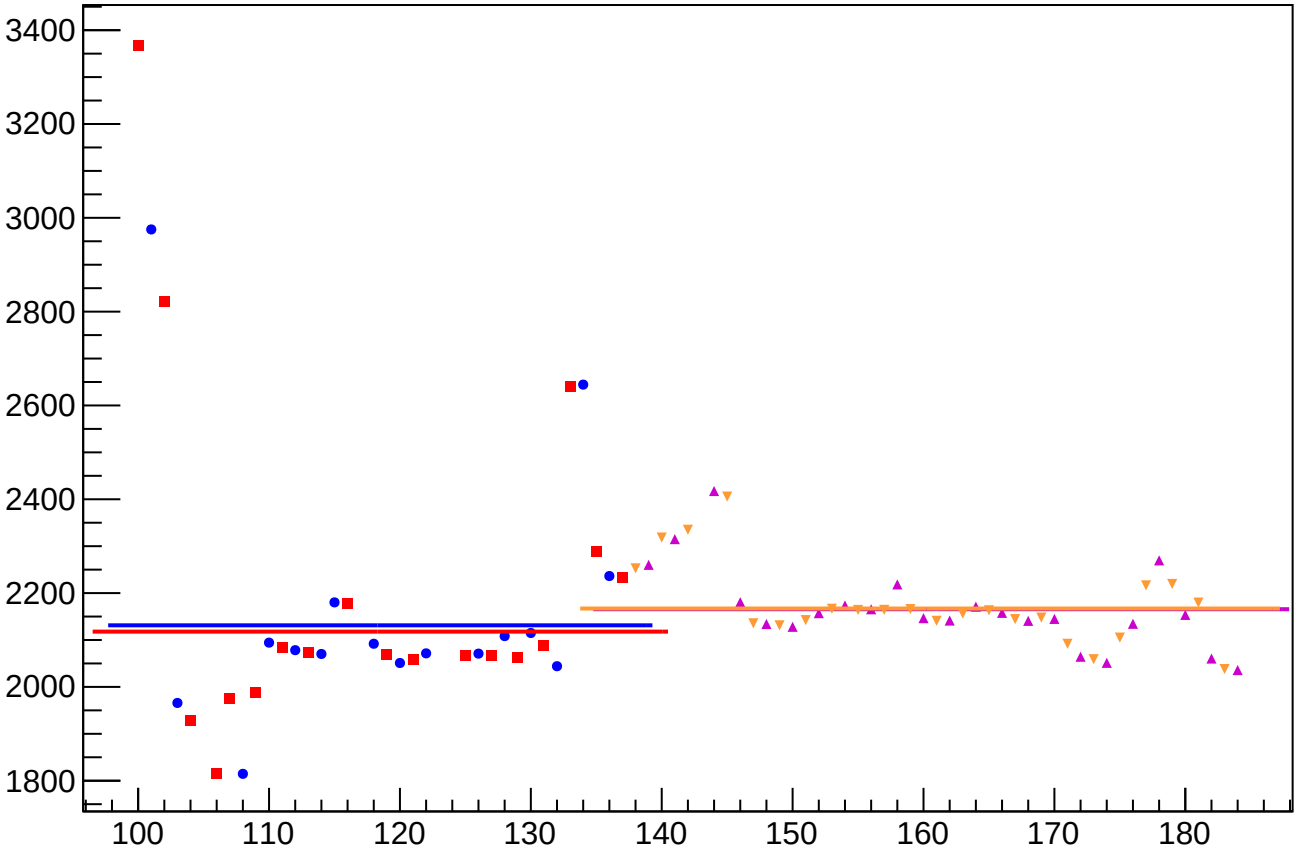
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1032.811+/-427.902 χ^2/NDF: 40.6/38

All: -396.386+/-302.268 χ^2/NDF: 75.5/79

- sign 237.478+/-427.041 χ^2/NDF: 30.5/40

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

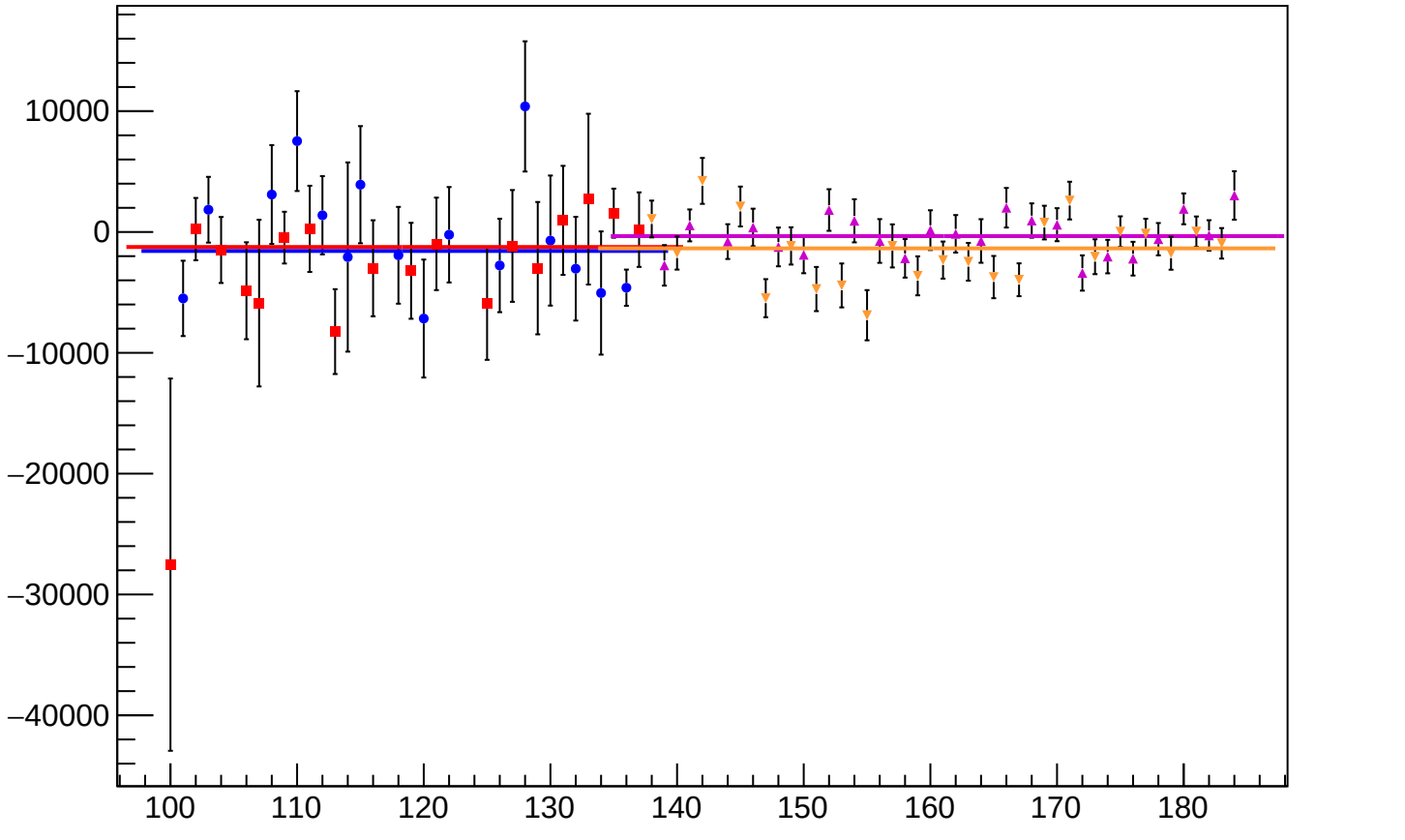
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2156.812+/-0.303 χ^2/NDF: 226308.2/38

All: 2154.345+/-0.214 χ^2/NDF: 447319.8/79

- sign 2151.889+/-0.302 χ^2/NDF: 220878.9/40



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1355.609+/-313.903 χ^2/NDF:56.8/22

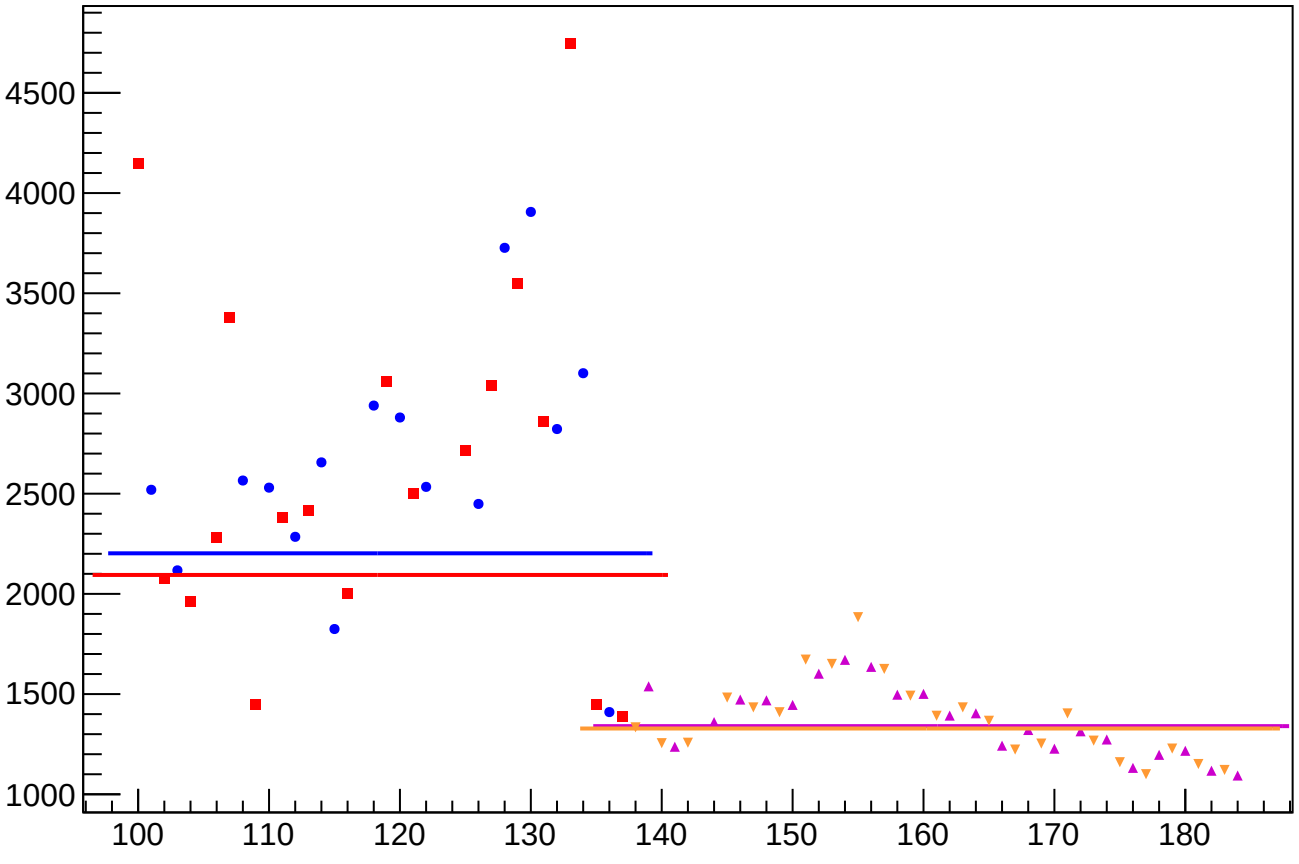
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1380.951+/-294.864 χ^2/NDF: 79.5/38

All: -918.593+/-208.371 χ^2/NDF: 123.3/79

- sign -457.376+/-294.500 χ^2/NDF: 38.9/40



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

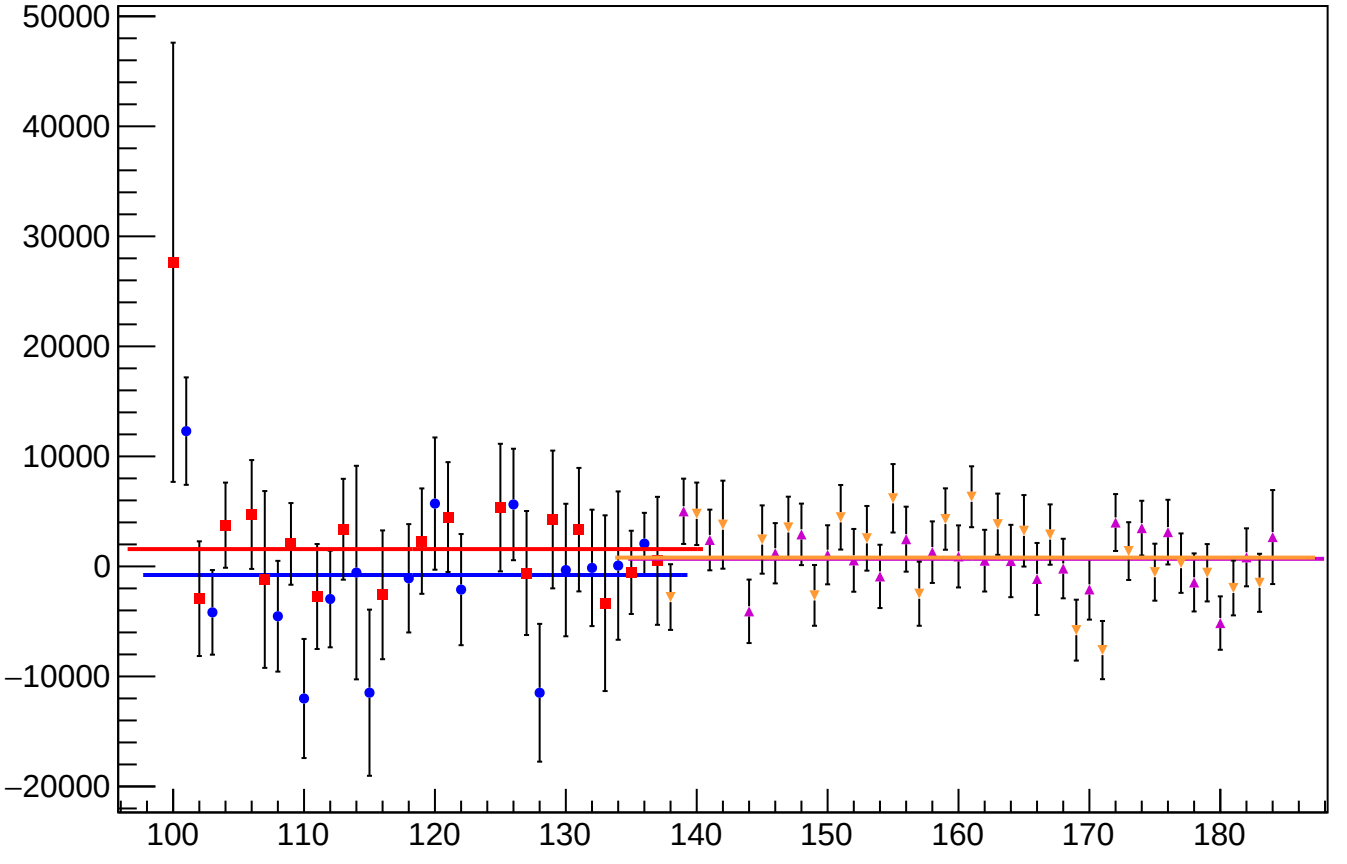
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1431.061+/-0.209 χ^2/NDF: 3688250.2/38

All: 1434.254+/-0.147 χ^2/NDF: 7031656.0/79

- sign 1437.439+/-0.208 χ^2/NDF: 3342937.3/40

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

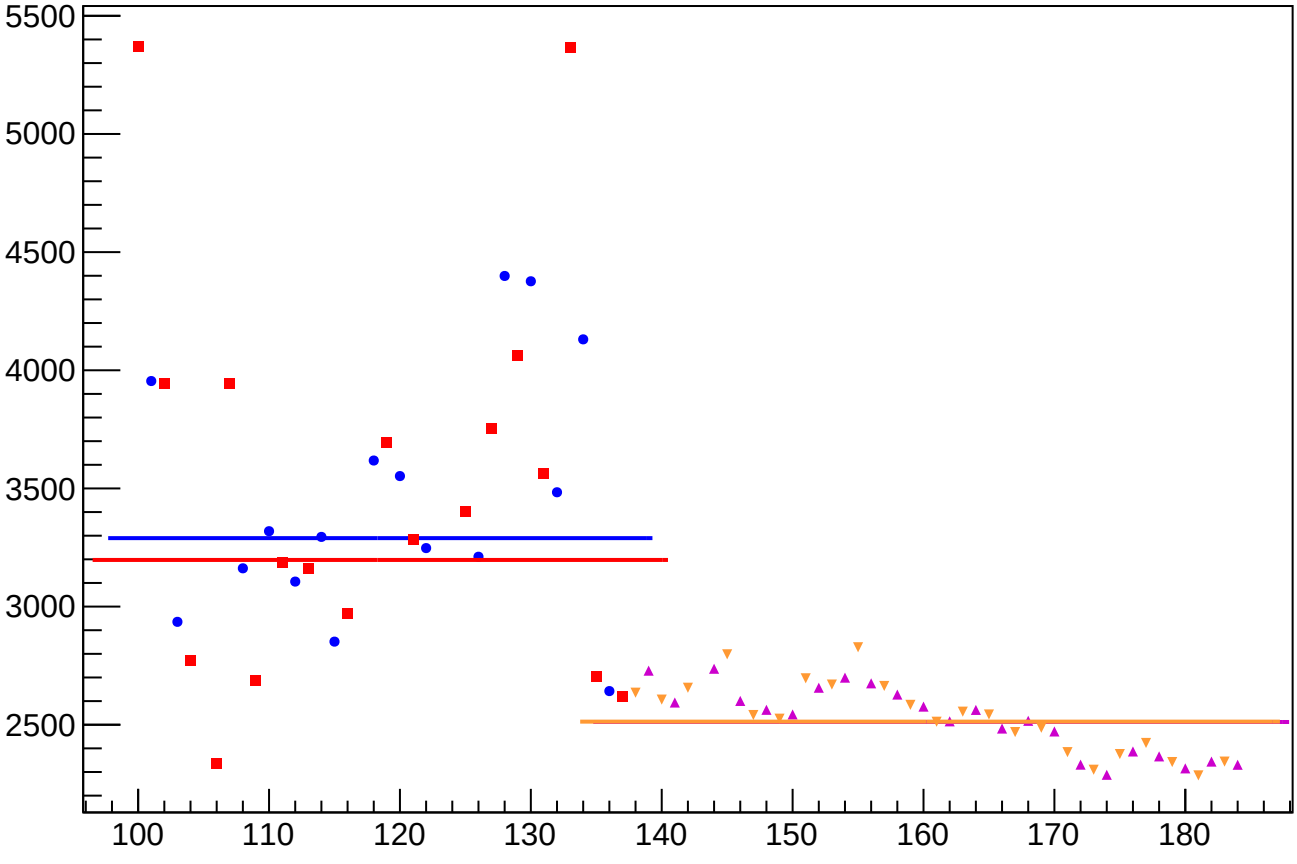
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 511.067+/-531.813 χ^2/NDF: 62.4/38

All: 684.748+/-375.117 χ^2/NDF: 88.1/79

- sign 856.717+/-529.187 χ^2/NDF: 25.5/40

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

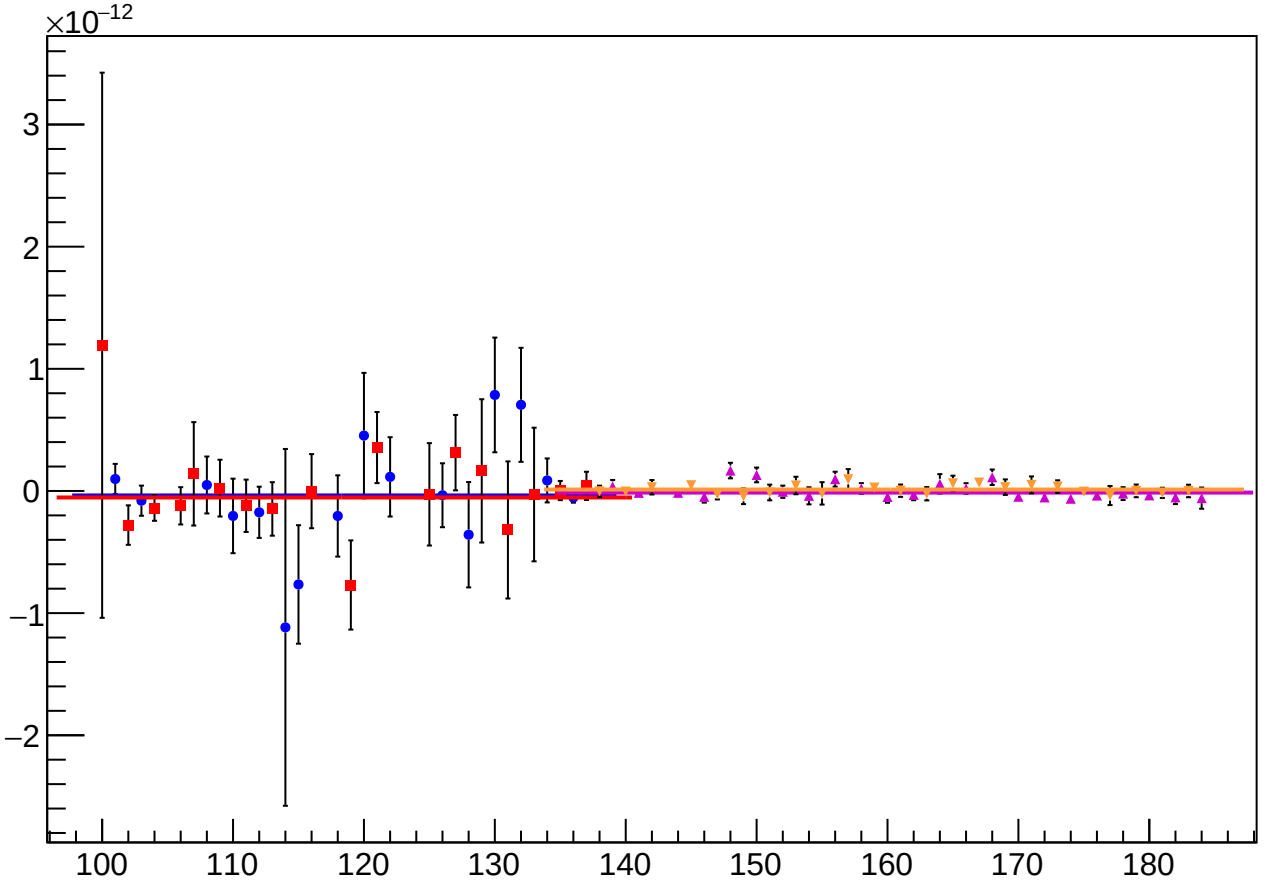
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2655.590+/-0.376 χ^2/NDF: 1111604.2/38

All: 2648.189+/-0.265 χ^2/NDF: 2239499.7/79

- sign 2640.860+/-0.374 χ^2/NDF: 1127124.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/22

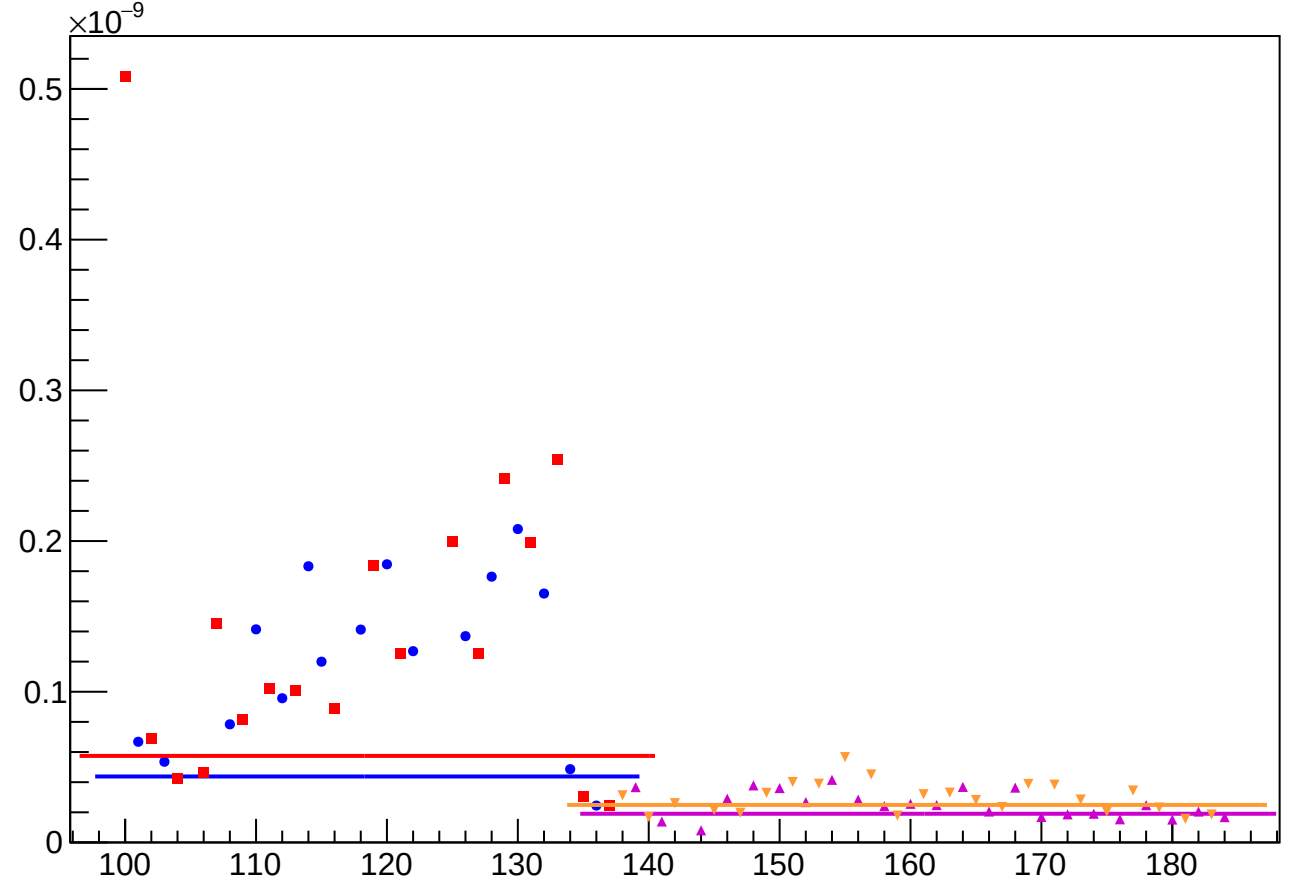
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 24.7/38

All: -0.000+/-0.000 χ^2/NDF: 72.2/79

- sign -0.000+/-0.000 χ^2/NDF: 44.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354144.7/22

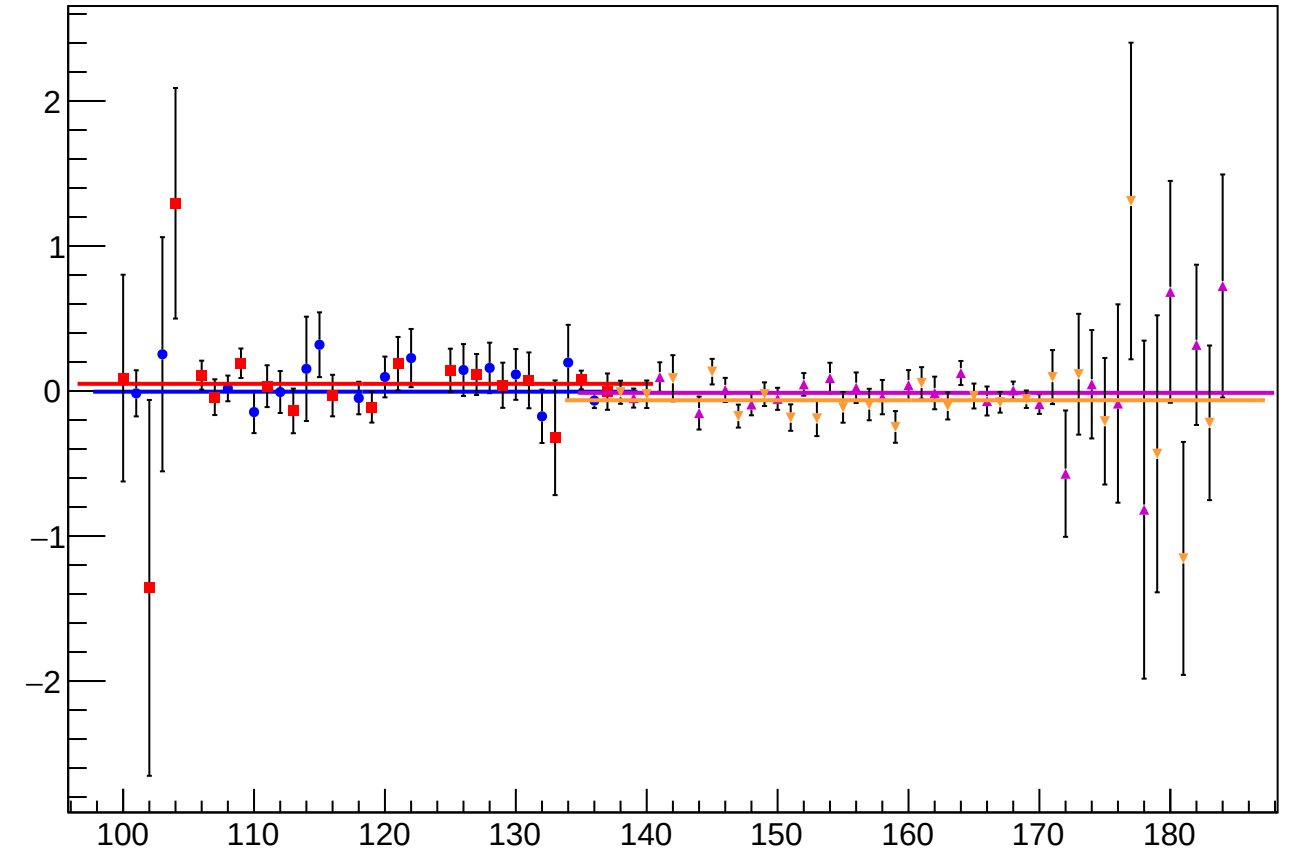
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 4137739.9/38

All: 0.000+/-0.000 χ^2/NDF: 10355674.5/79

- sign 0.000+/-0.000 χ^2/NDF: 5787243.8/40



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:20.9/22

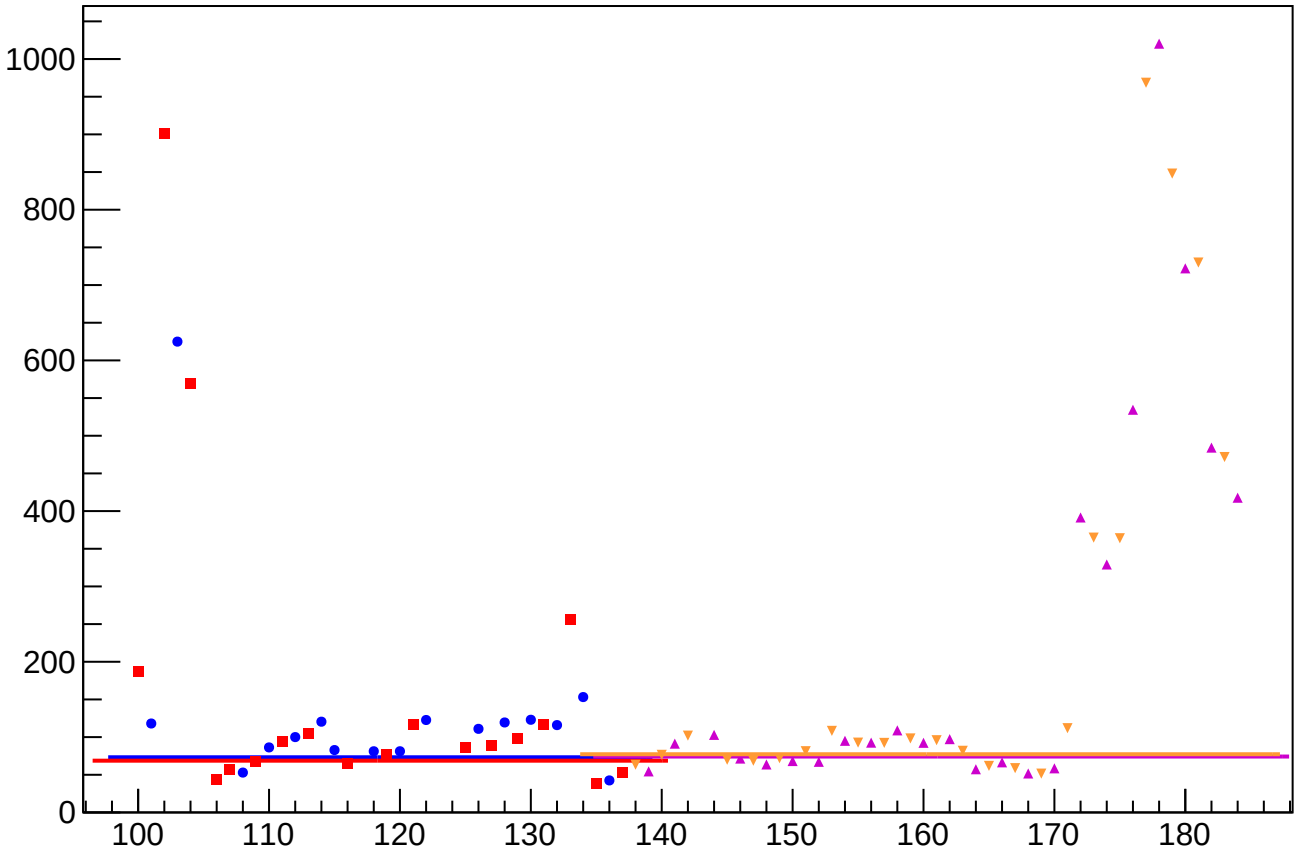
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 33.5/38

All: -0.018+/-0.013 χ^2/NDF: 68.3/79

- sign 0.007+/-0.018 χ^2/NDF: 30.7/40



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003603.2/22

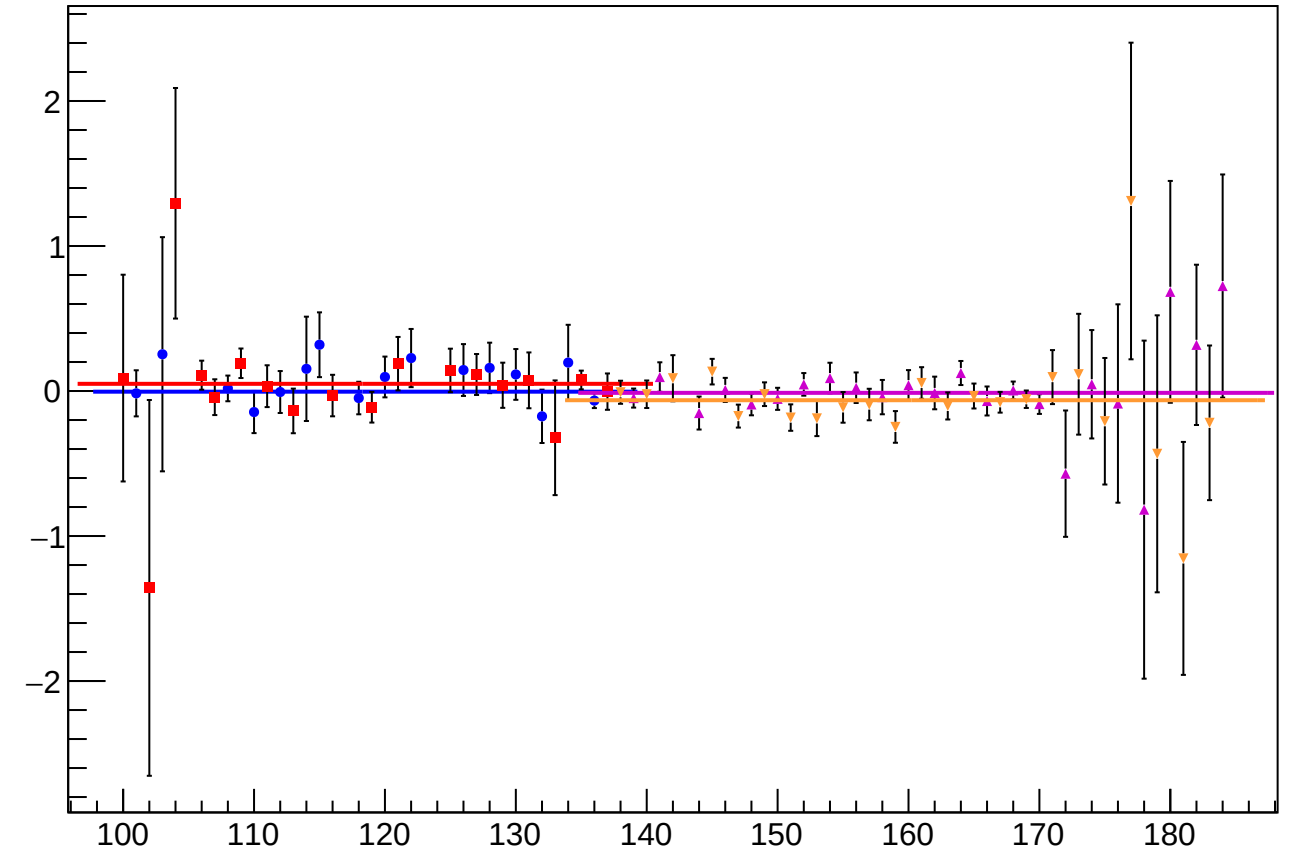
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 75.978+/-0.013 χ^2/NDF: 10879524.5/38

All: 74.187+/-0.009 χ^2/NDF: 22804196.1/79

- sign 72.524+/-0.012 χ^2/NDF: 11887469.2/40



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:20.9/22

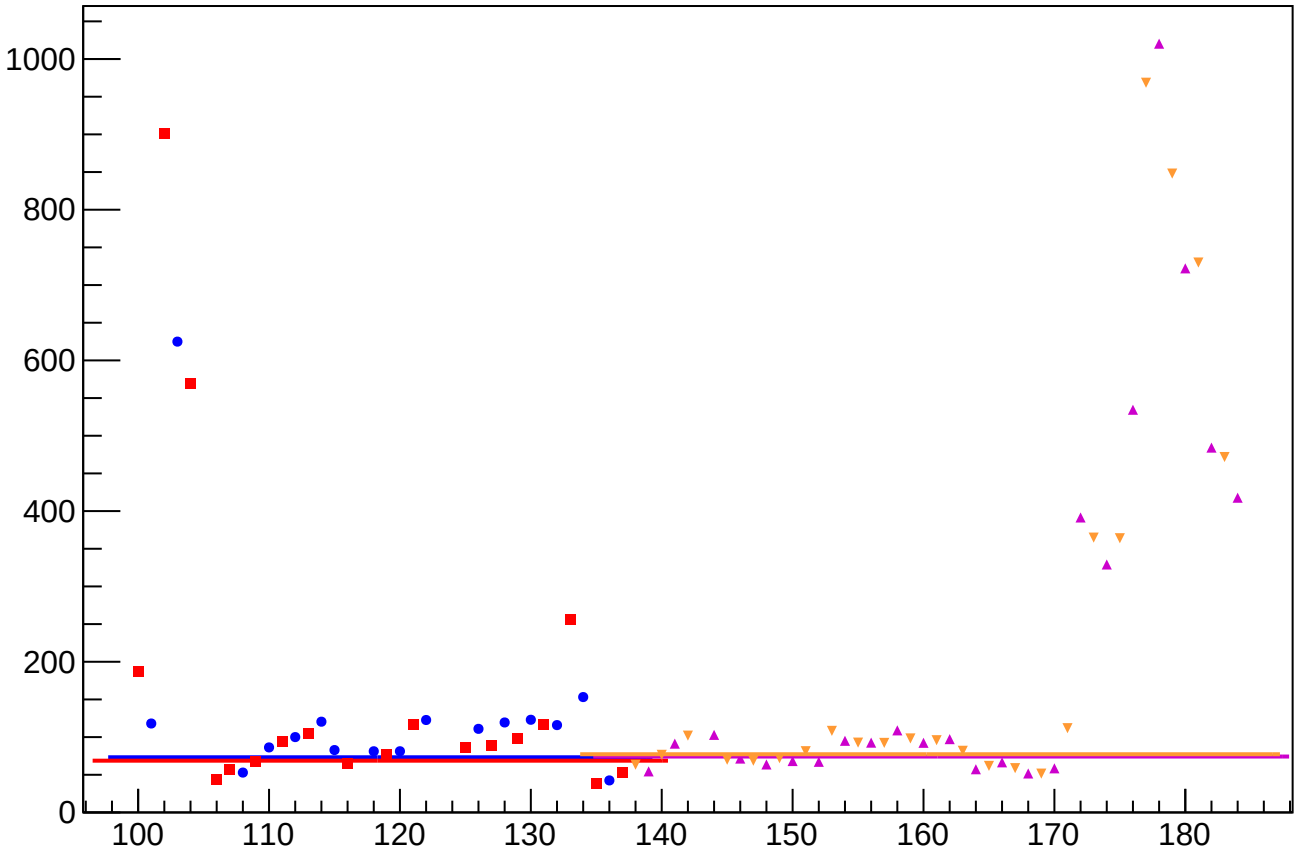
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 33.5/38

All: -0.018+/-0.013 χ^2/NDF: 68.3/79

- sign 0.007+/-0.018 χ^2/NDF: 30.7/40



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003603.2/22

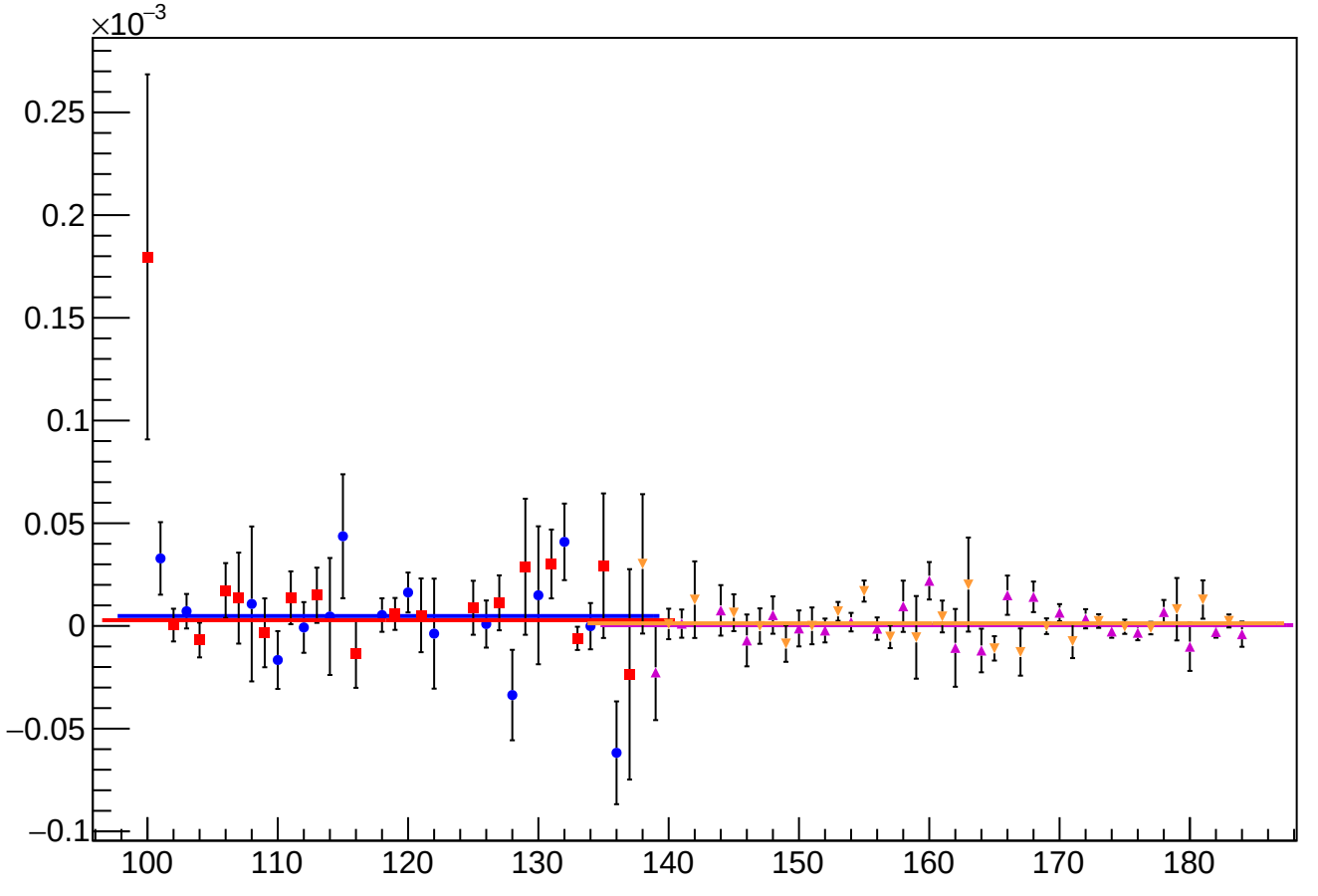
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 75.978+/-0.013 χ^2/NDF: 10879524.5/38

All: 74.187+/-0.009 χ^2/NDF: 22804196.1/79

- sign 72.524+/-0.012 χ^2/NDF: 11887469.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/22

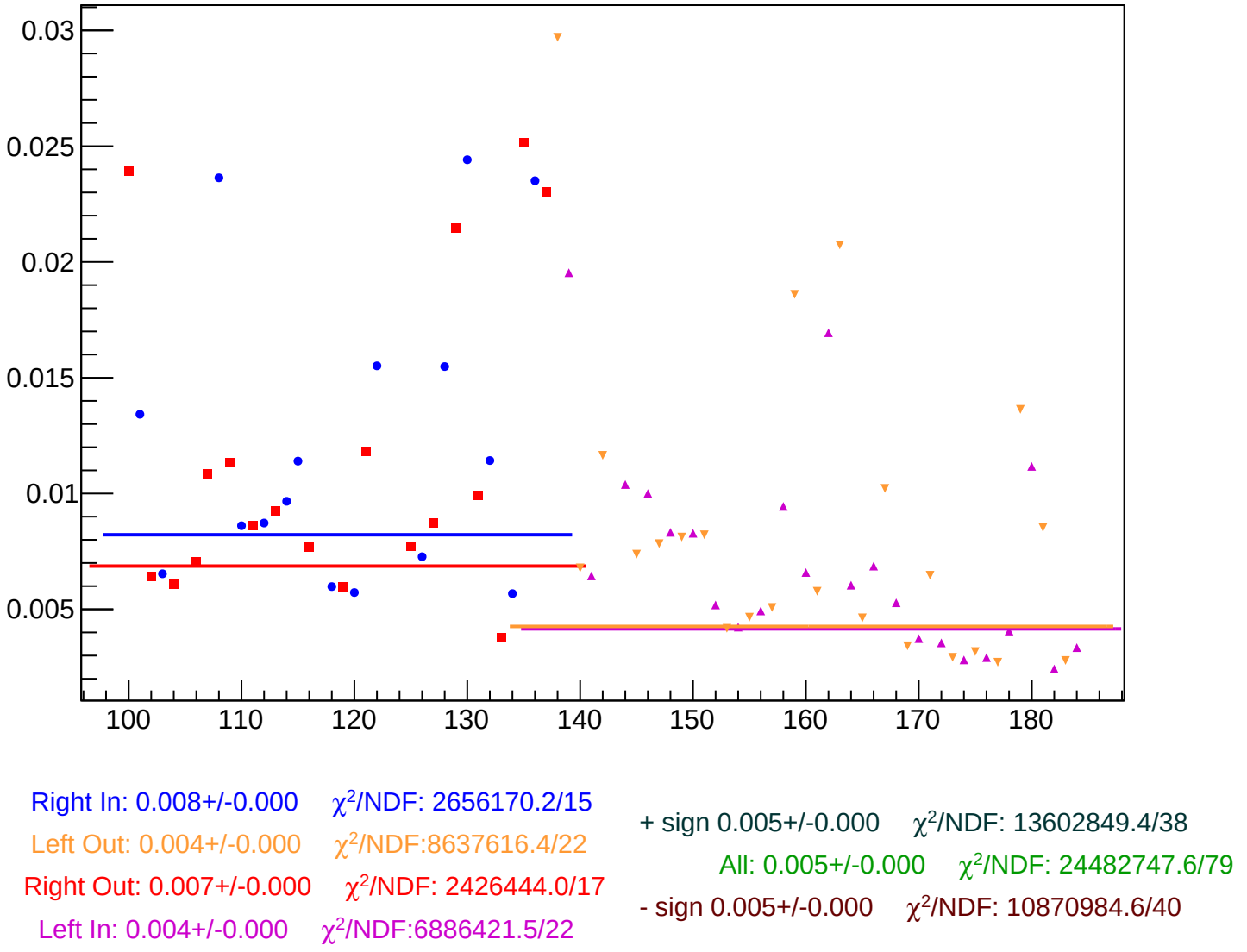
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

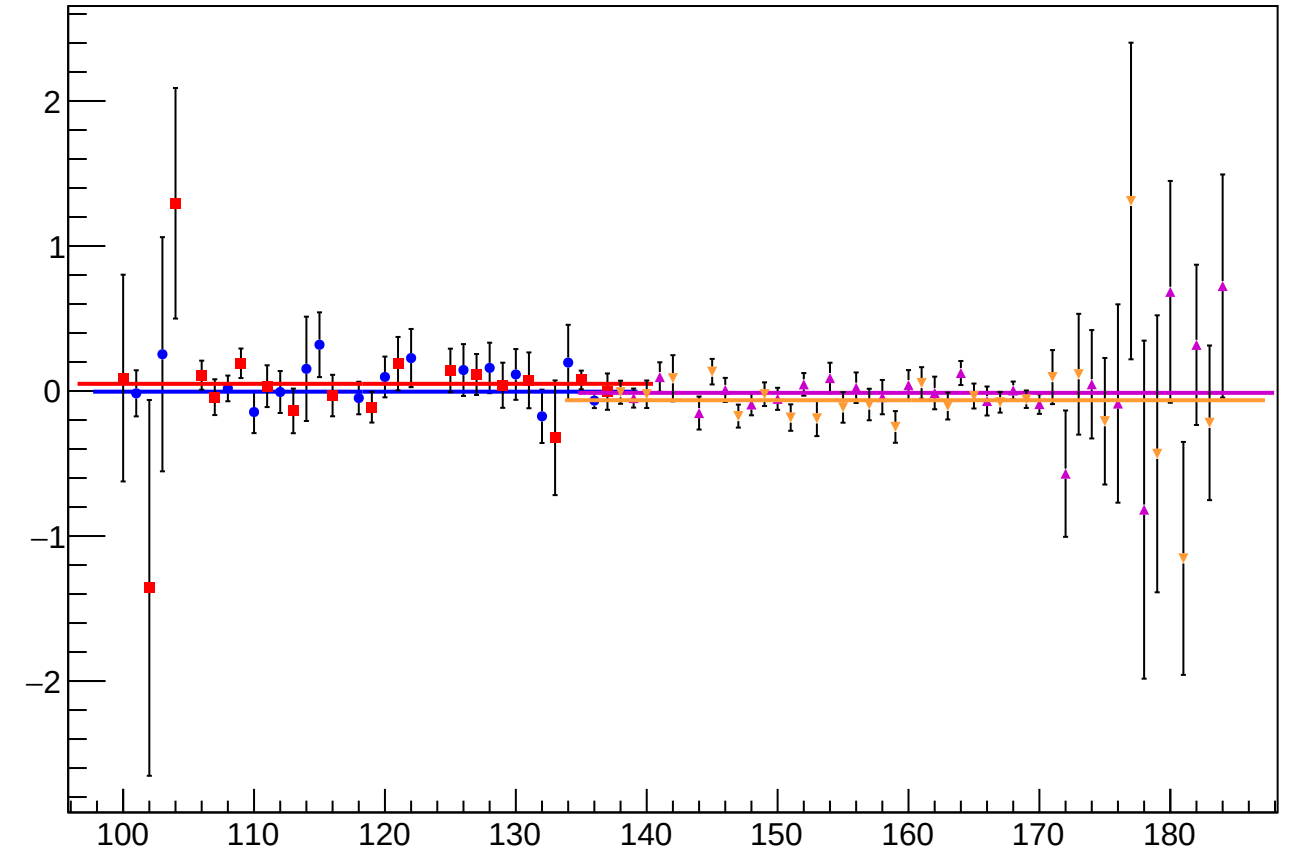
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/38

All: 0.000+/-0.000 χ^2/NDF: 91.6/79

- sign 0.000+/-0.000 χ^2/NDF: 42.0/40


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:6886421.5/22
+ sign 0.005+/-0.000 χ²/NDF: 13602849.4/38
All: 0.005+/-0.000 χ²/NDF: 24482747.6/79
- sign 0.005+/-0.000 χ²/NDF: 10870984.6/40



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:20.9/22

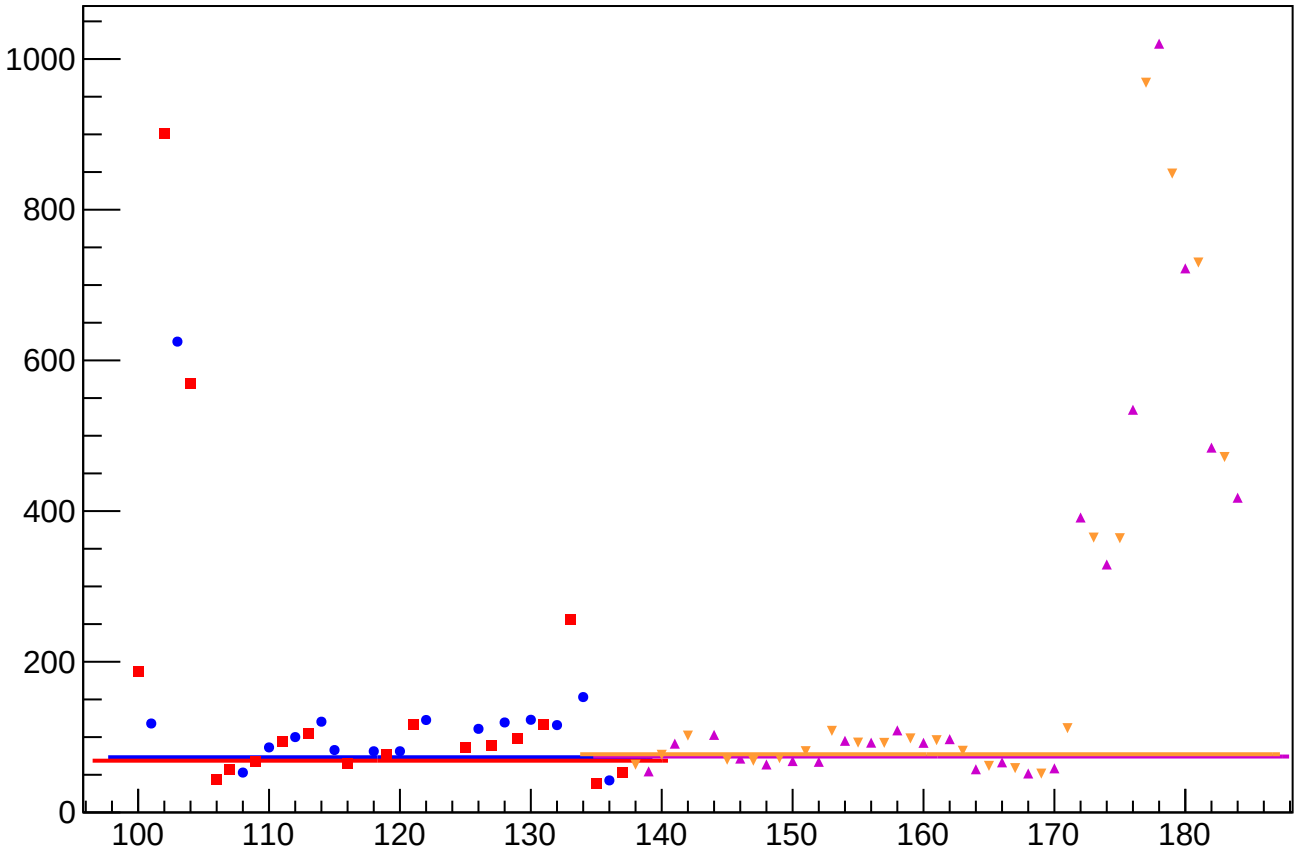
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 33.5/38

All: -0.018+/-0.013 χ^2/NDF: 68.3/79

- sign 0.007+/-0.018 χ^2/NDF: 30.7/40



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

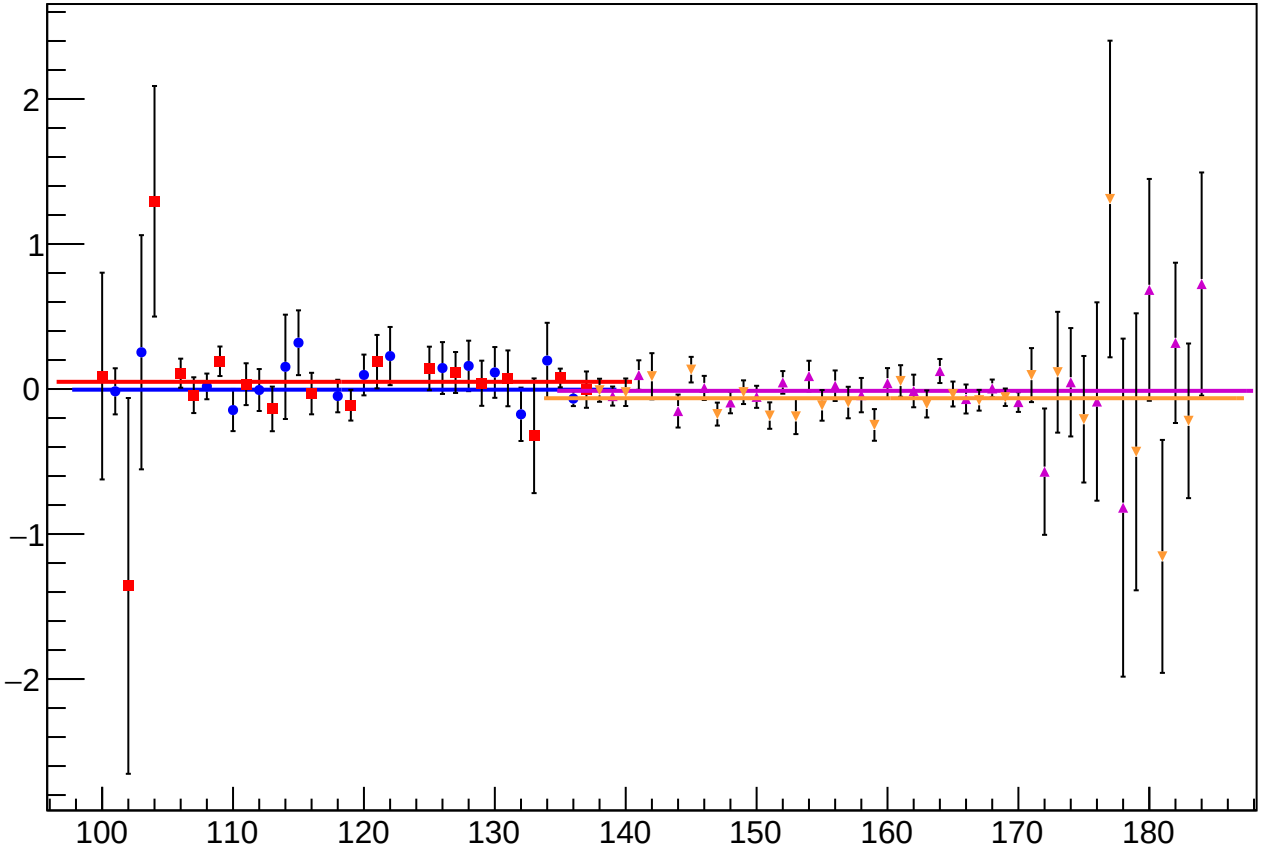
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 75.986+/-0.013 χ^2/NDF: 10876870.4/38

All: 74.190+/-0.009 χ^2/NDF: 22802682.0/79

- sign 72.521+/-0.012 χ^2/NDF: 11888374.2/40

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:20.9/22

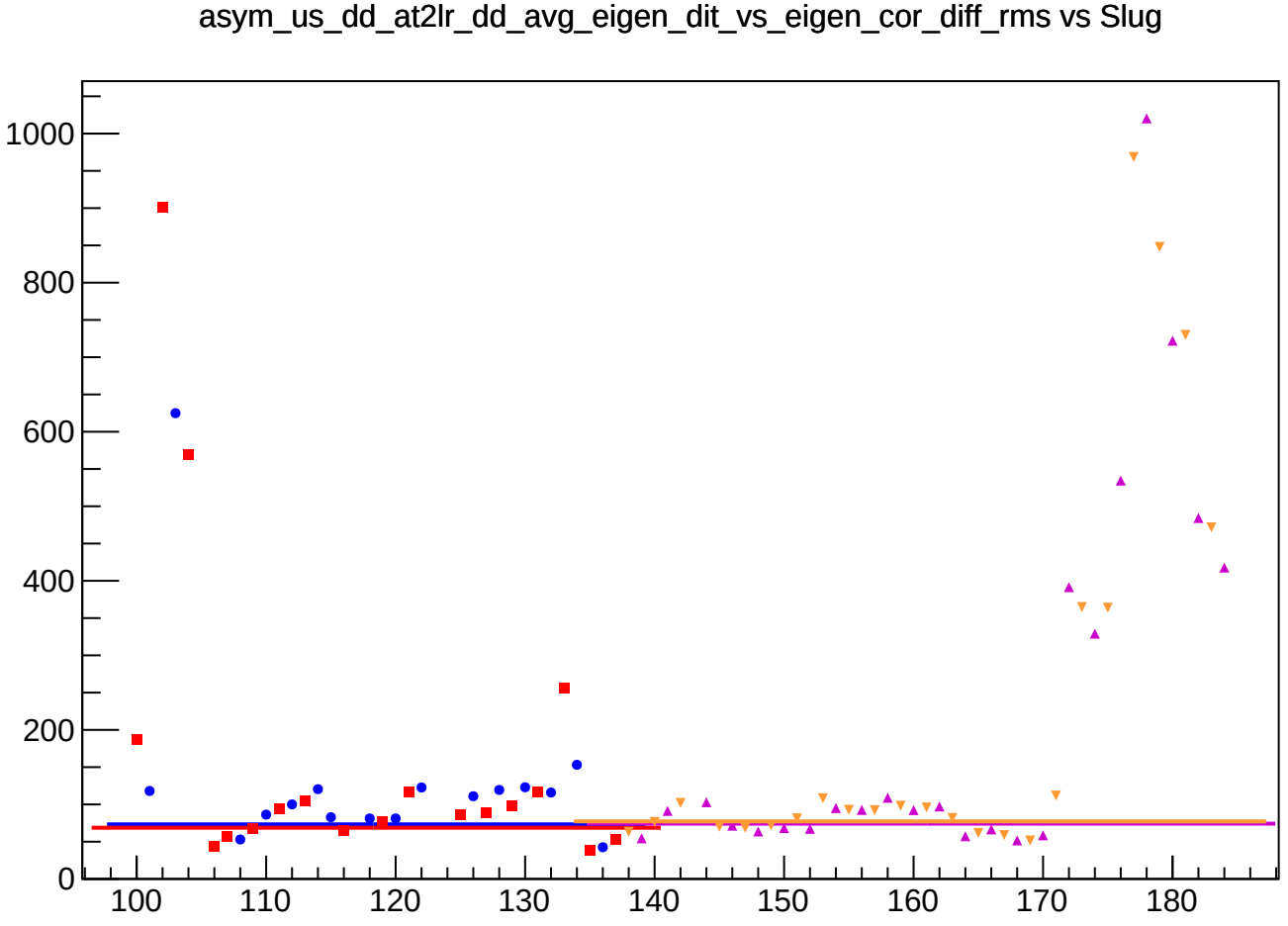
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 33.5/38

All: -0.018+/-0.013 χ^2/NDF: 68.3/79

- sign 0.007+/-0.018 χ^2/NDF: 30.7/40



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.270+/-0.016 χ^2/NDF:8003516.5/22

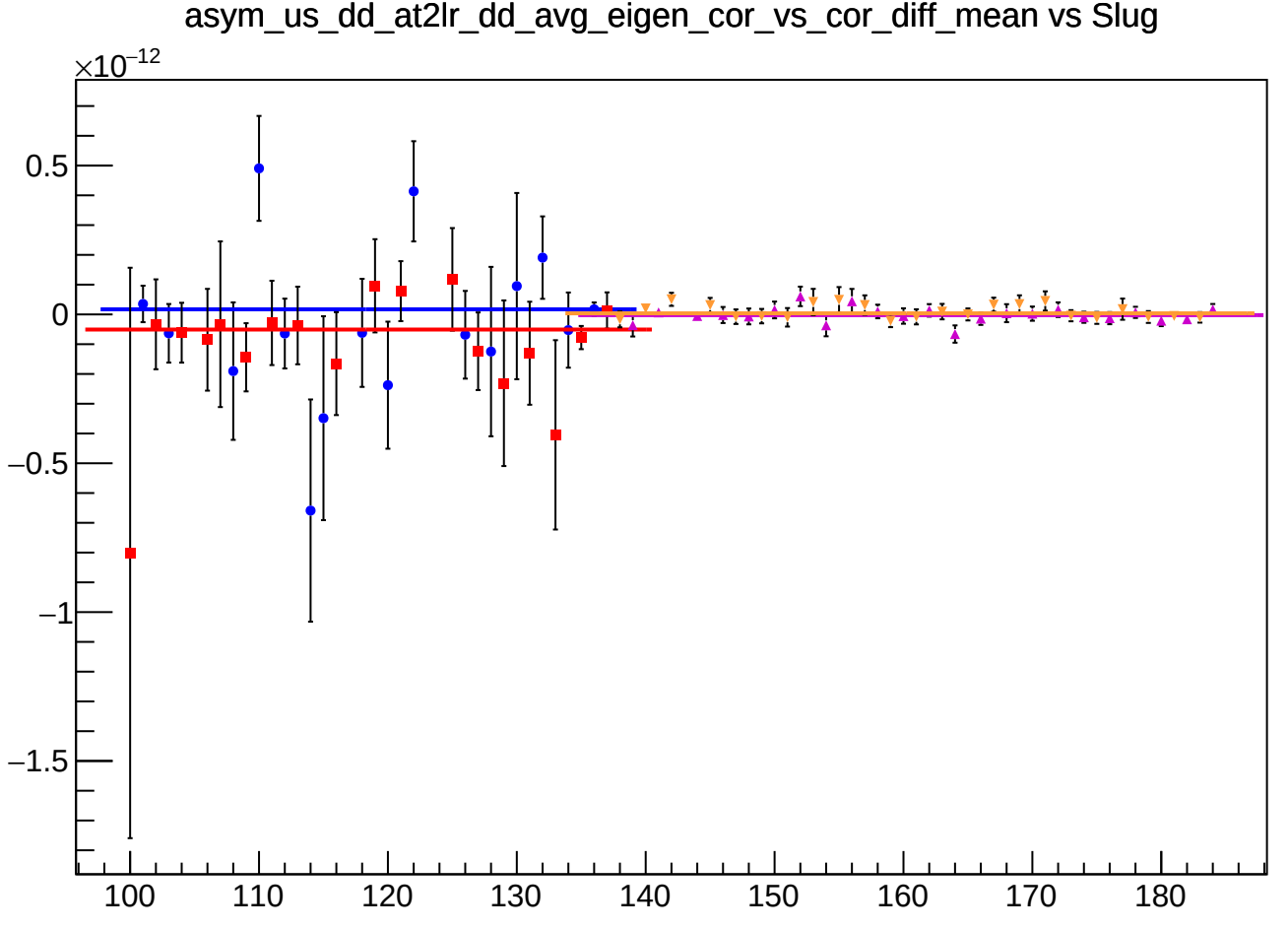
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 75.986+/-0.013 χ^2/NDF: 10876870.4/38

All: 74.190+/-0.009 χ^2/NDF: 22802682.0/79

- sign 72.521+/-0.012 χ^2/NDF: 11888374.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/22

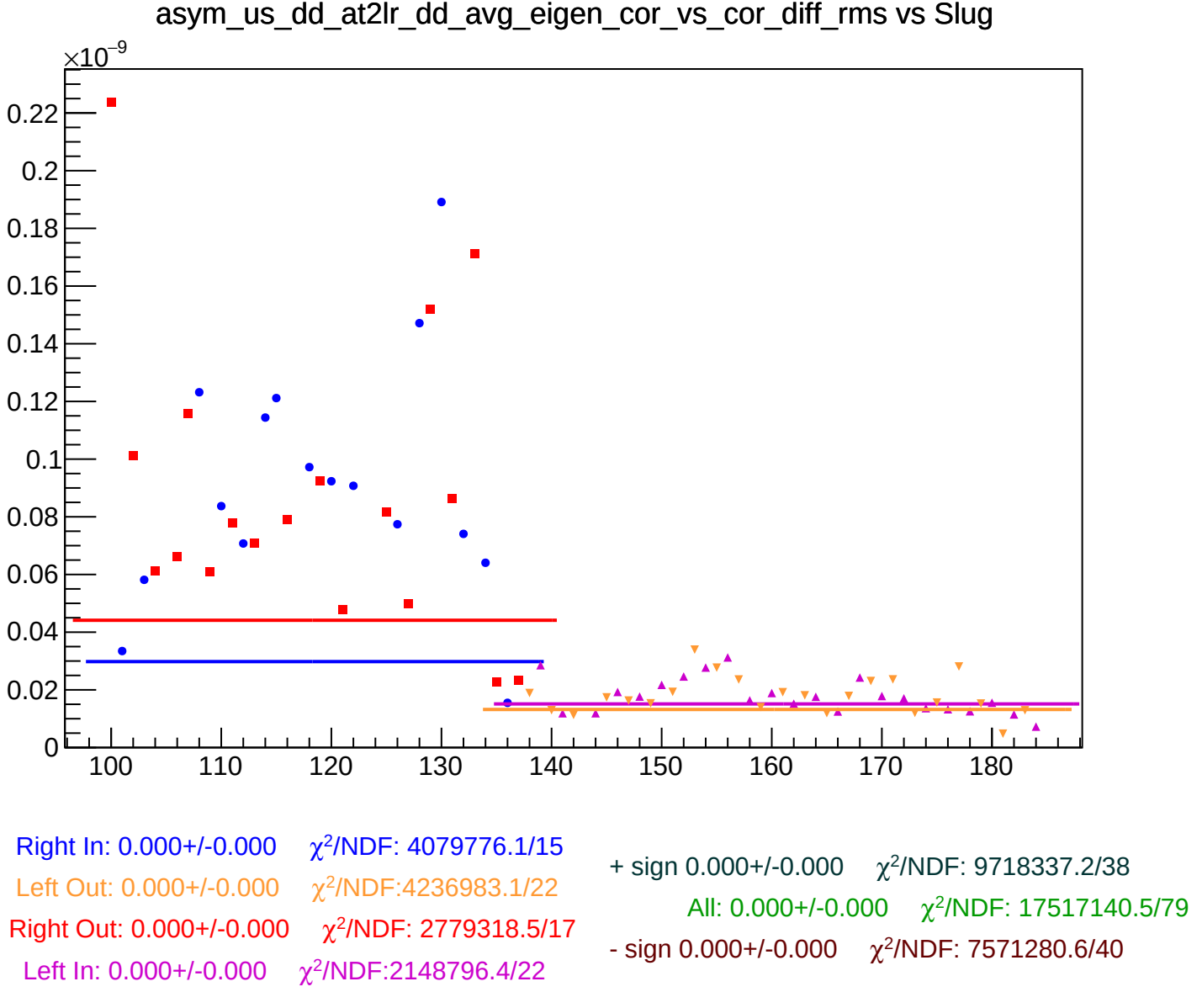
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

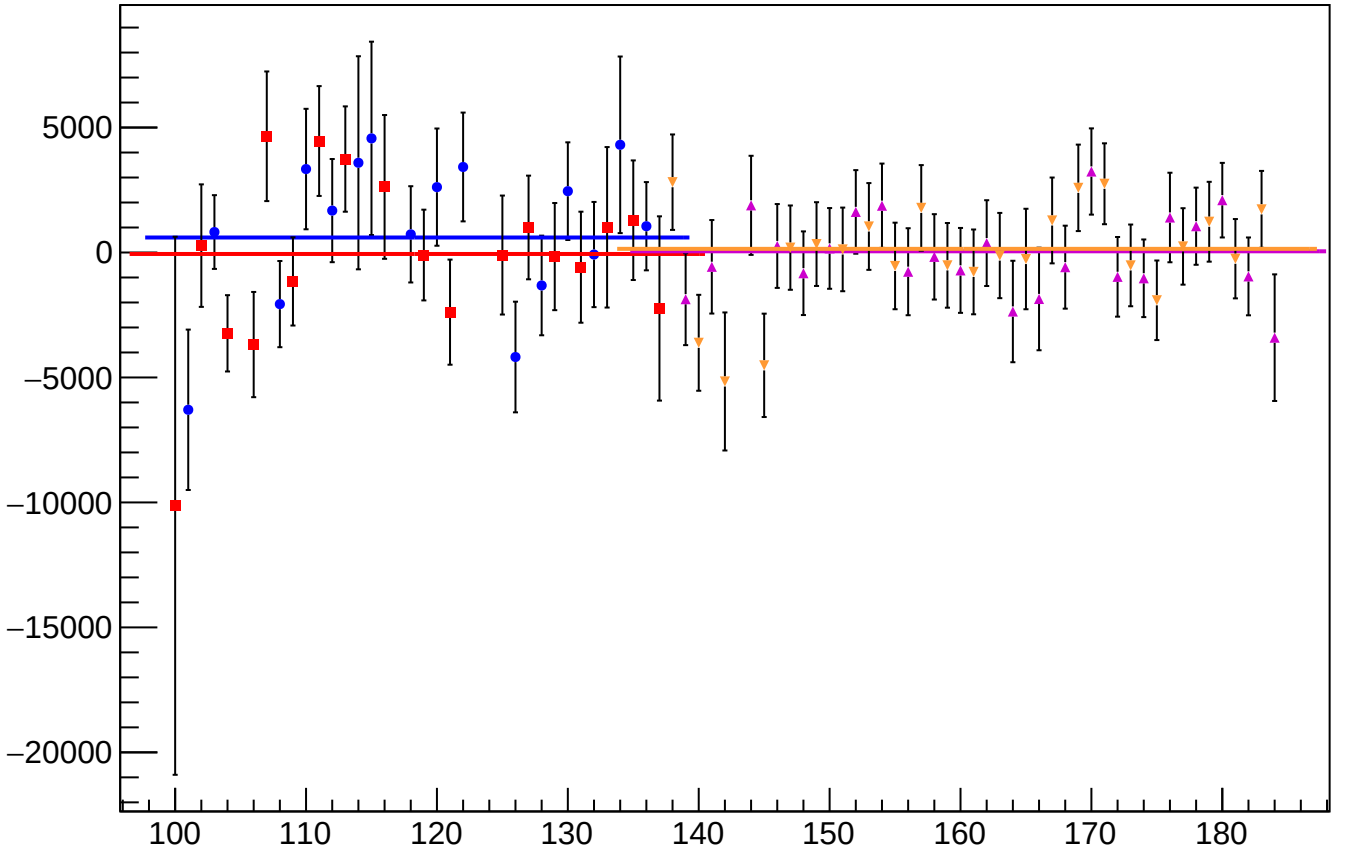
+ sign 0.000+/-0.000 χ^2/NDF: 43.3/38

All: 0.000+/-0.000 χ^2/NDF: 75.4/79

- sign -0.000+/-0.000 χ^2/NDF: 30.3/40


asym_us_dd_at2lr_dd_avg_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
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4236983.1/22
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
+ sign 0.000+/-0.000 χ²/NDF: 9718337.2/38
All: 0.000+/-0.000 χ²/NDF: 17517140.5/79
- sign 0.000+/-0.000 χ²/NDF: 7571280.6/40

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

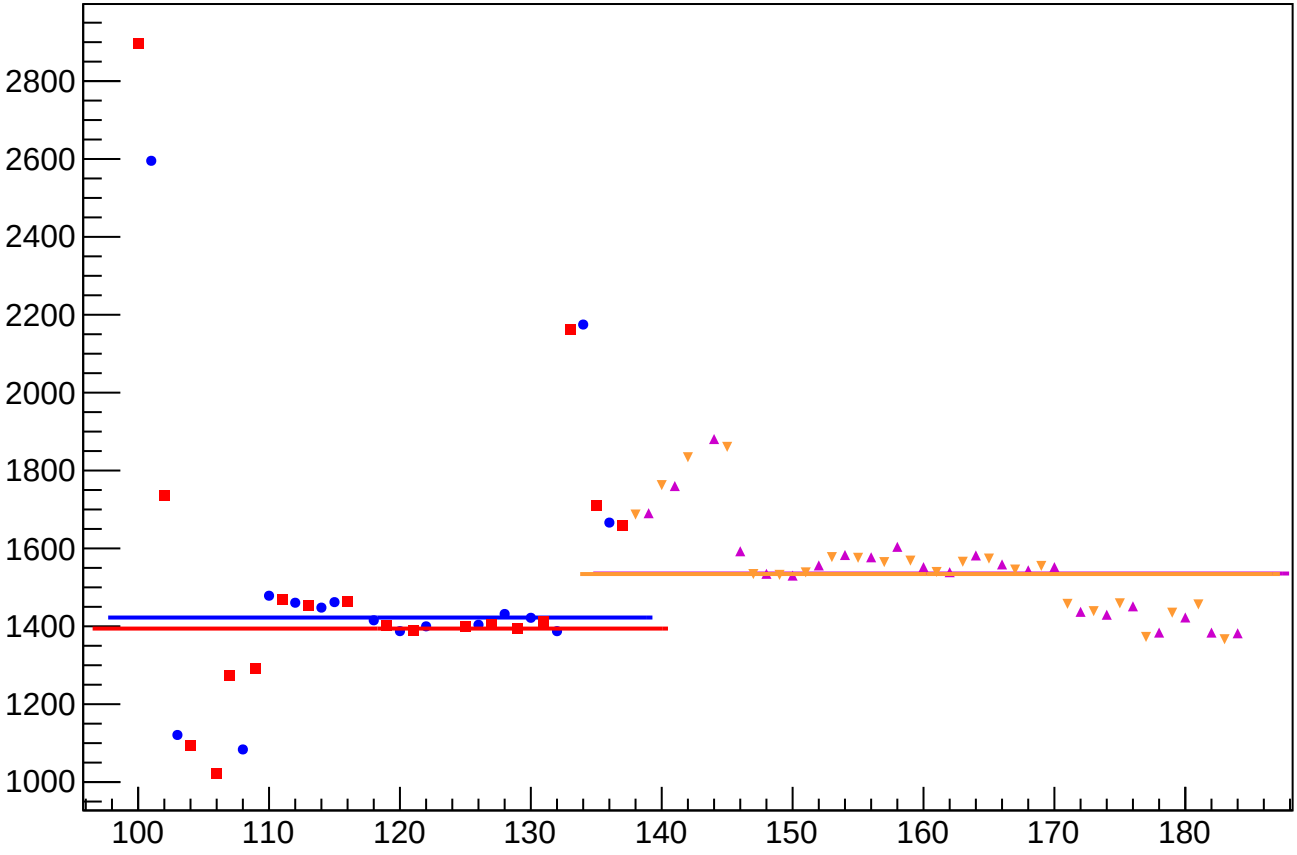
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 285.673+/-299.327 χ^2/NDF: 45.7/38

All: 149.232+/-211.032 χ^2/NDF: 85.4/79

- sign 14.389+/-297.569 χ^2/NDF: 39.3/40

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

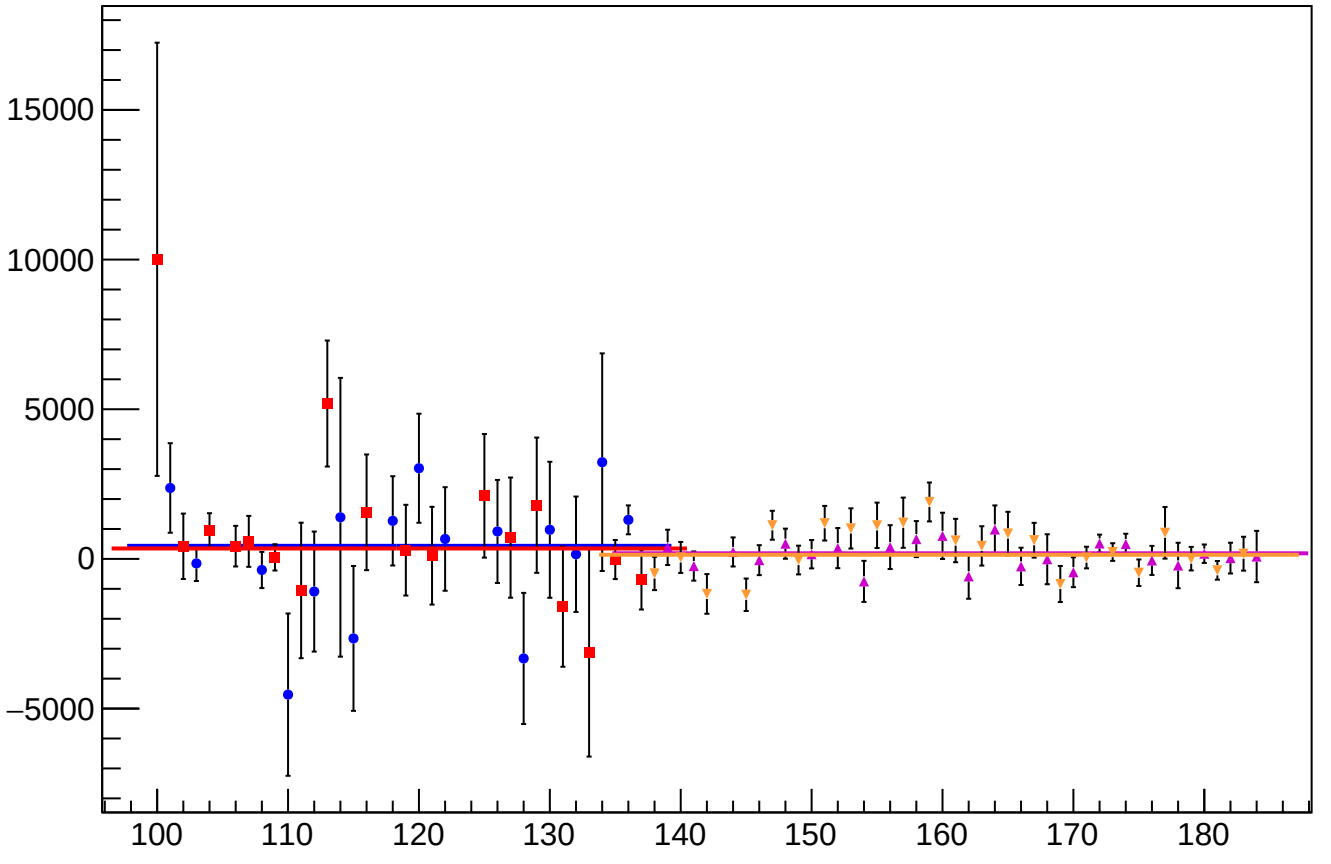
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1499.890+/-0.212 χ^2/NDF: 814109.1/38

All: 1495.428+/-0.149 χ^2/NDF: 1498505.5/79

- sign 1491.019+/-0.210 χ^2/NDF: 683512.9/40



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

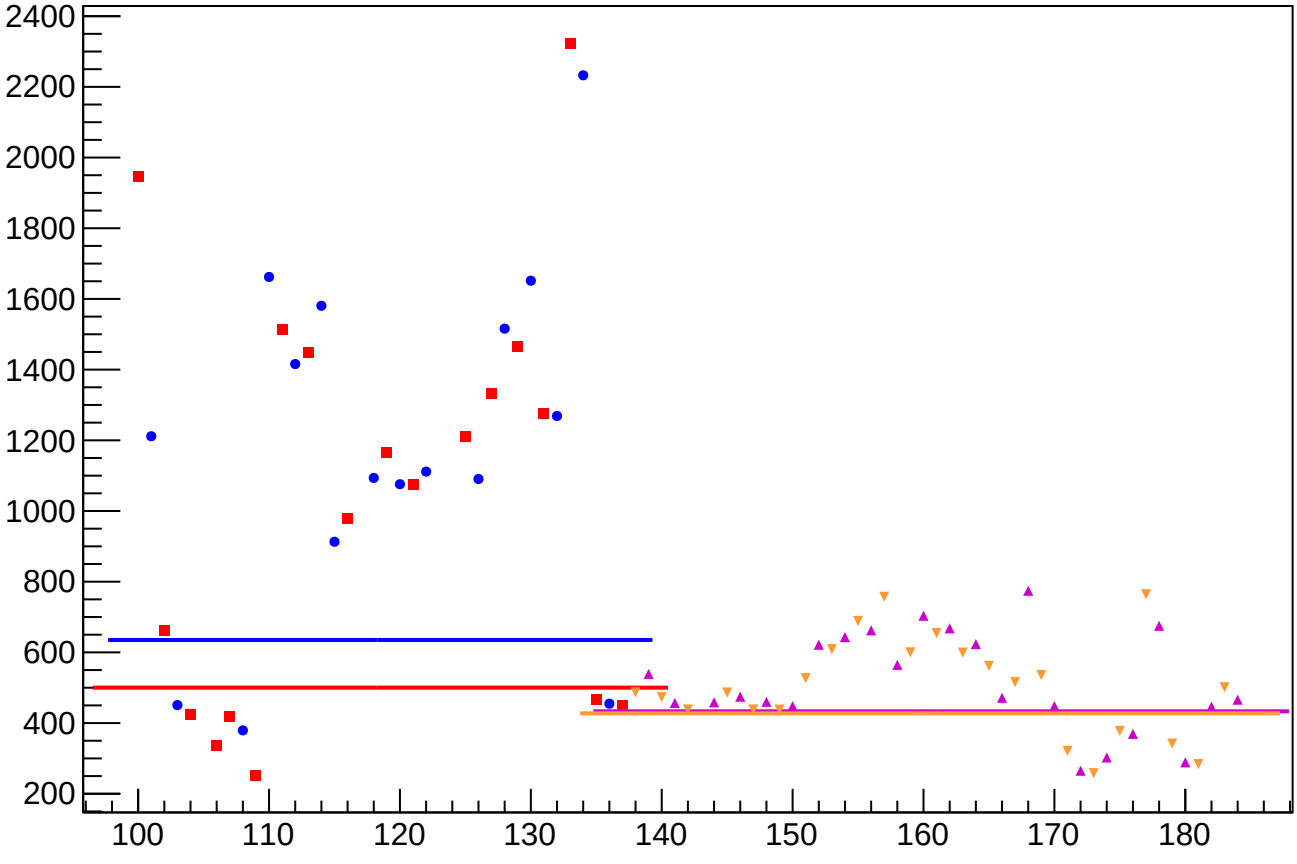
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 176.382+/-98.779 χ^2/NDF: 62.2/38

All: 195.905+/-69.309 χ^2/NDF: 88.2/79

- sign 214.837+/-97.272 χ^2/NDF: 25.9/40

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

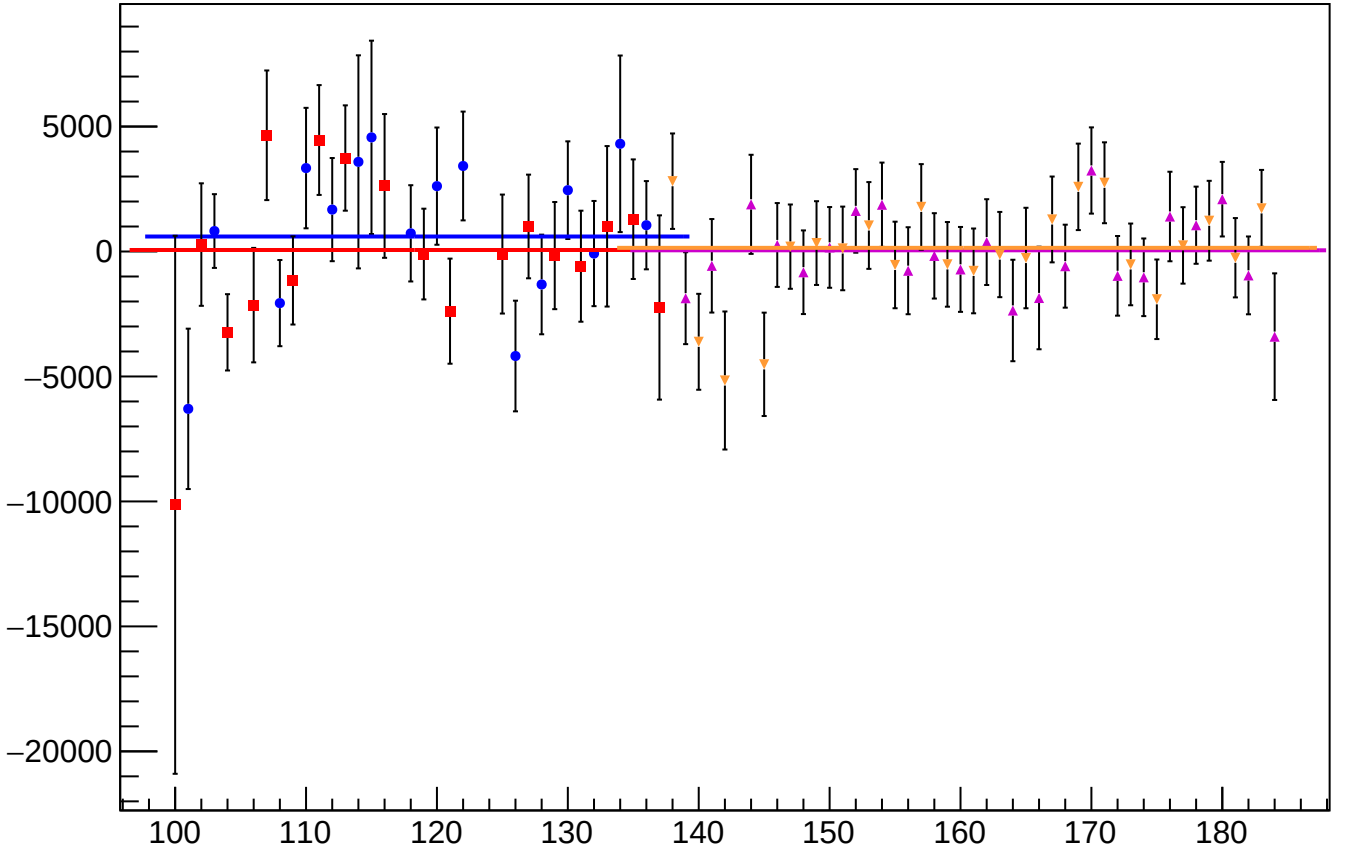
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 454.059+/-0.070 χ^2/NDF: 7926930.4/38

All: 449.398+/-0.049 χ^2/NDF: 15628450.5/79

- sign 444.877+/-0.069 χ^2/NDF: 7692746.5/40

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

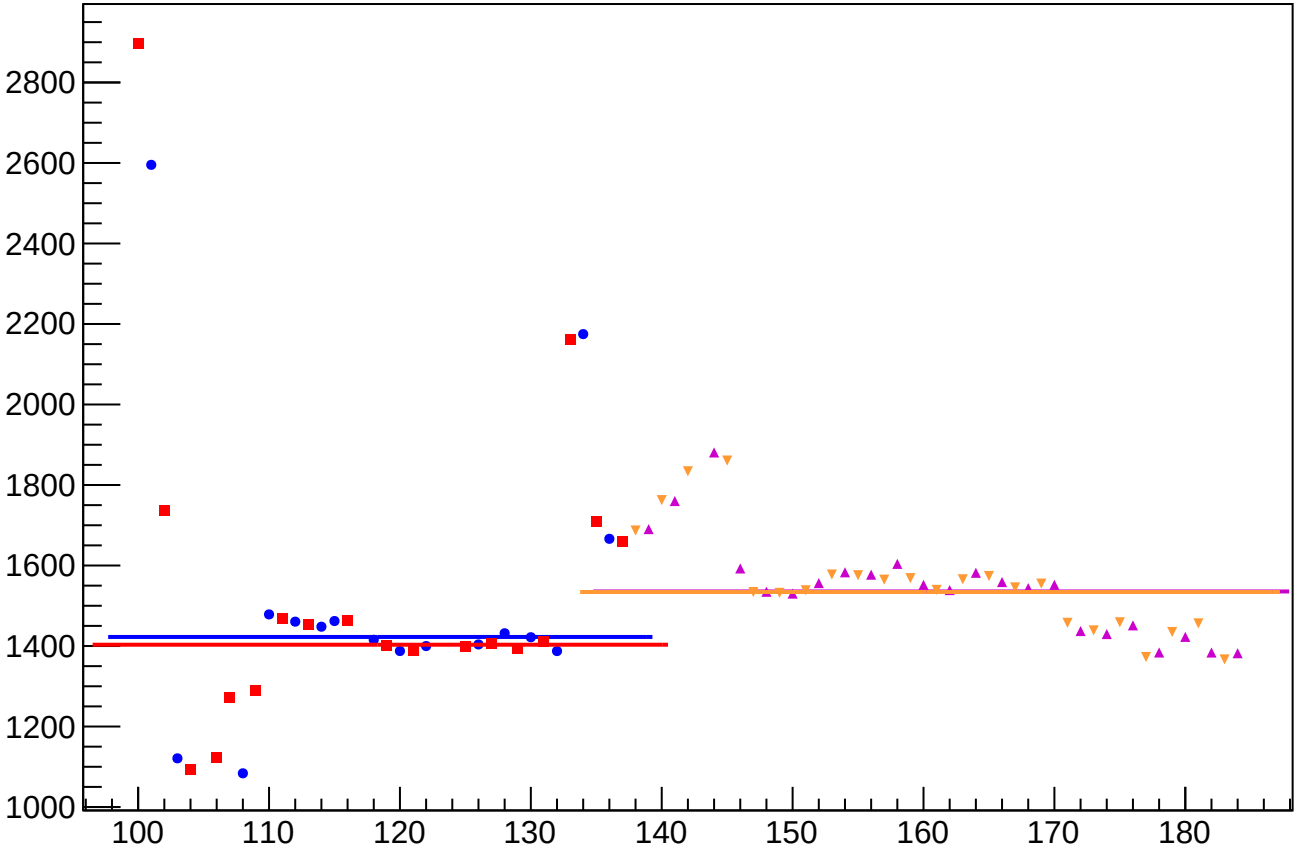
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 285.612+/-299.327 χ^2/NDF: 45.7/38

All: 168.320+/-211.196 χ^2/NDF: 83.1/79

- sign 52.043+/-298.029 χ^2/NDF: 37.1/40

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

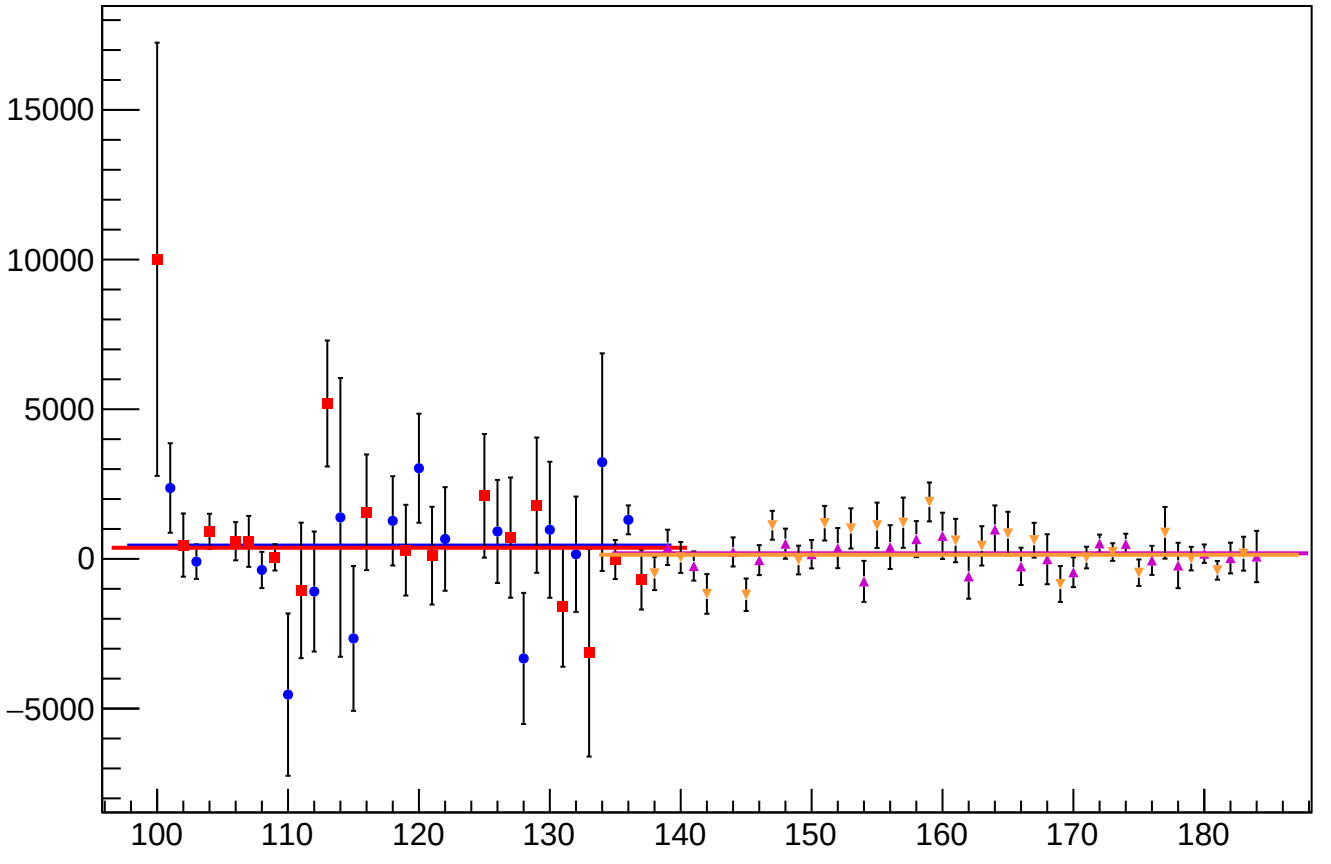
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1499.890+/-0.212 χ^2/NDF: 814109.5/38

All: 1497.007+/-0.149 χ^2/NDF: 1450793.0/79

- sign 1494.150+/-0.211 χ^2/NDF: 636314.2/40



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

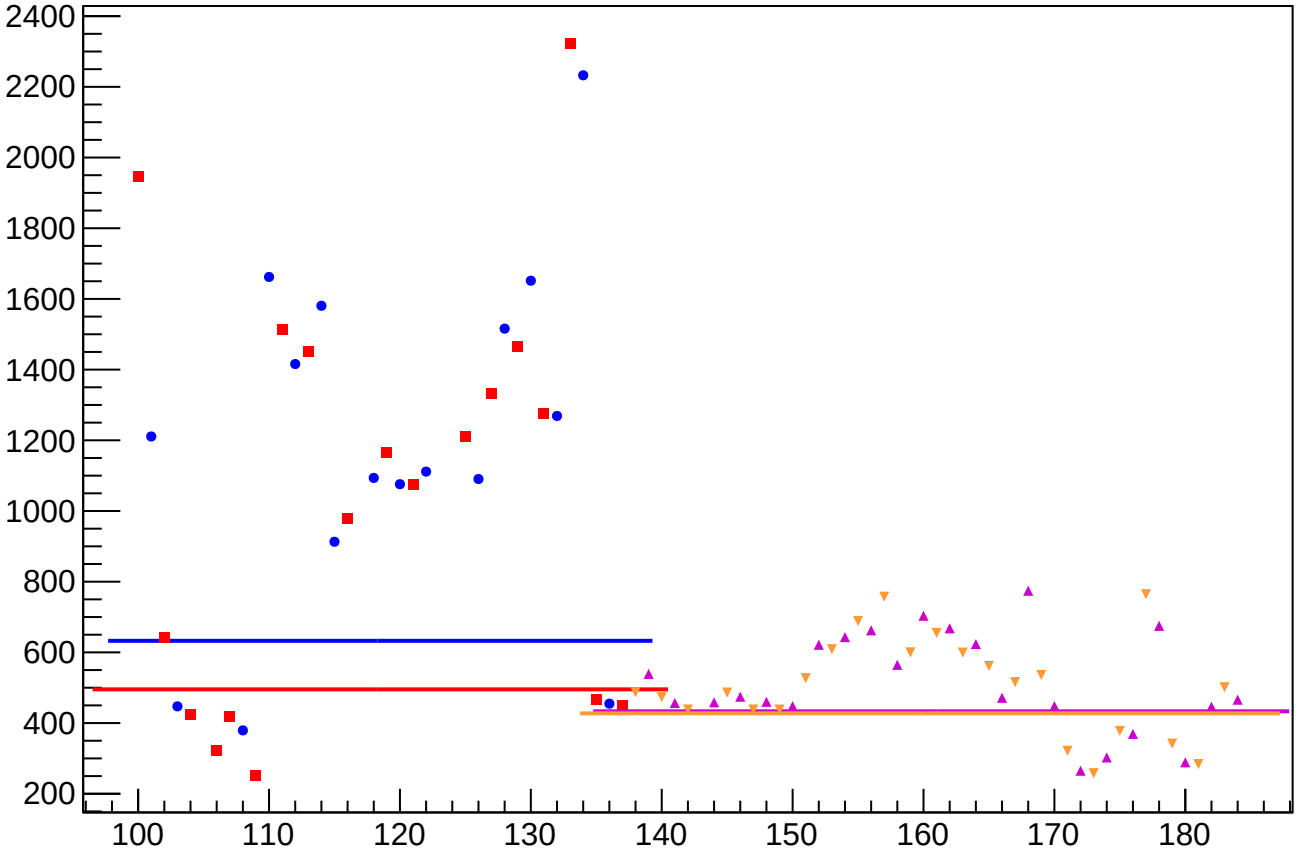
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

\+ sign 177.780+/-98.725 χ^2/NDF: 62.1/38

All: 199.094+/-69.227 χ^2/NDF: 88.3/79

\- sign 219.712+/-97.098 χ^2/NDF: 26.1/40

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 427.439+/-0.075 χ^2/NDF:3186575.1/22

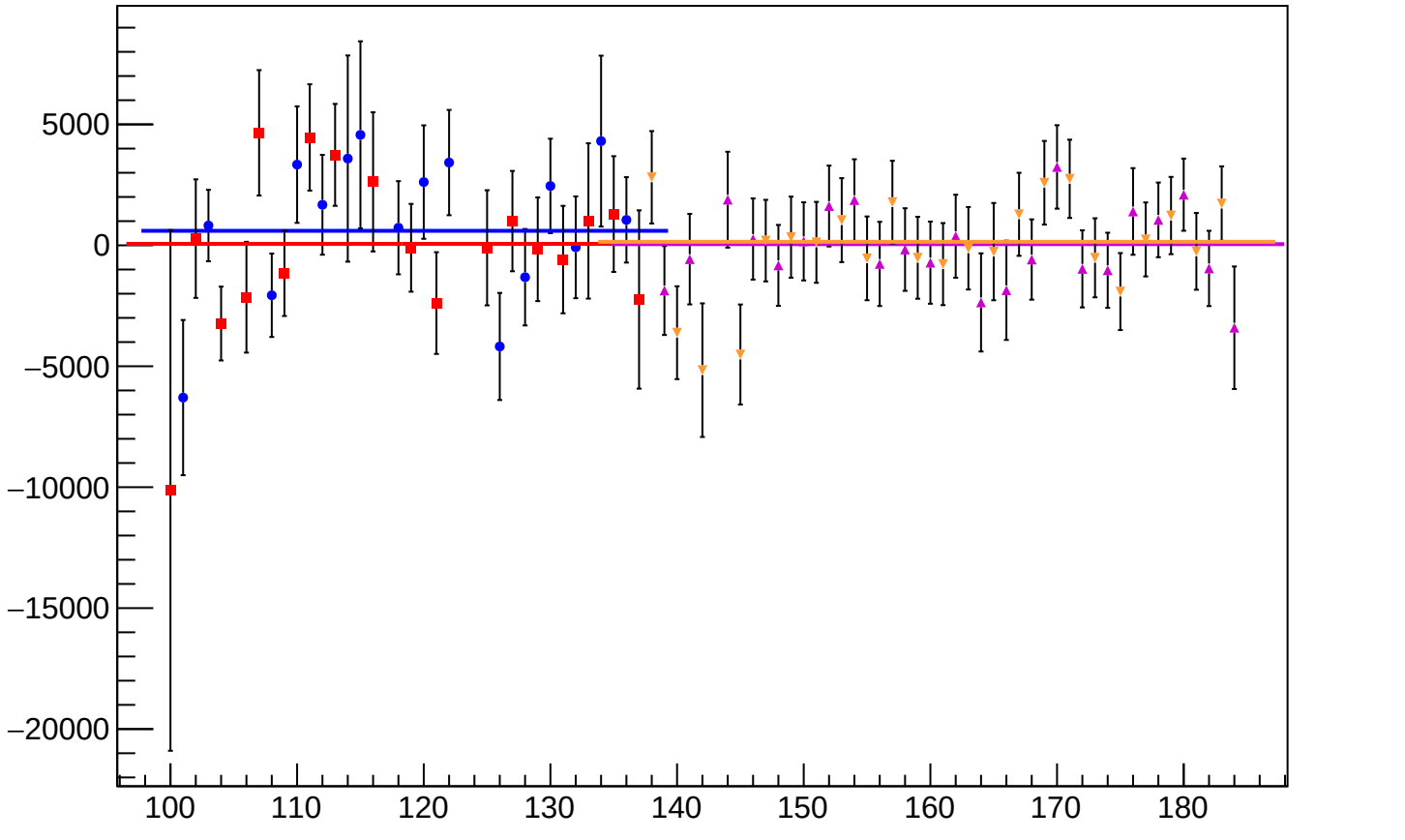
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 453.951+/-0.070 χ^2/NDF: 7927018.4/38

All: 449.006+/-0.049 χ^2/NDF: 15640944.8/79

- sign 444.223+/-0.069 χ^2/NDF: 7704054.7/40



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

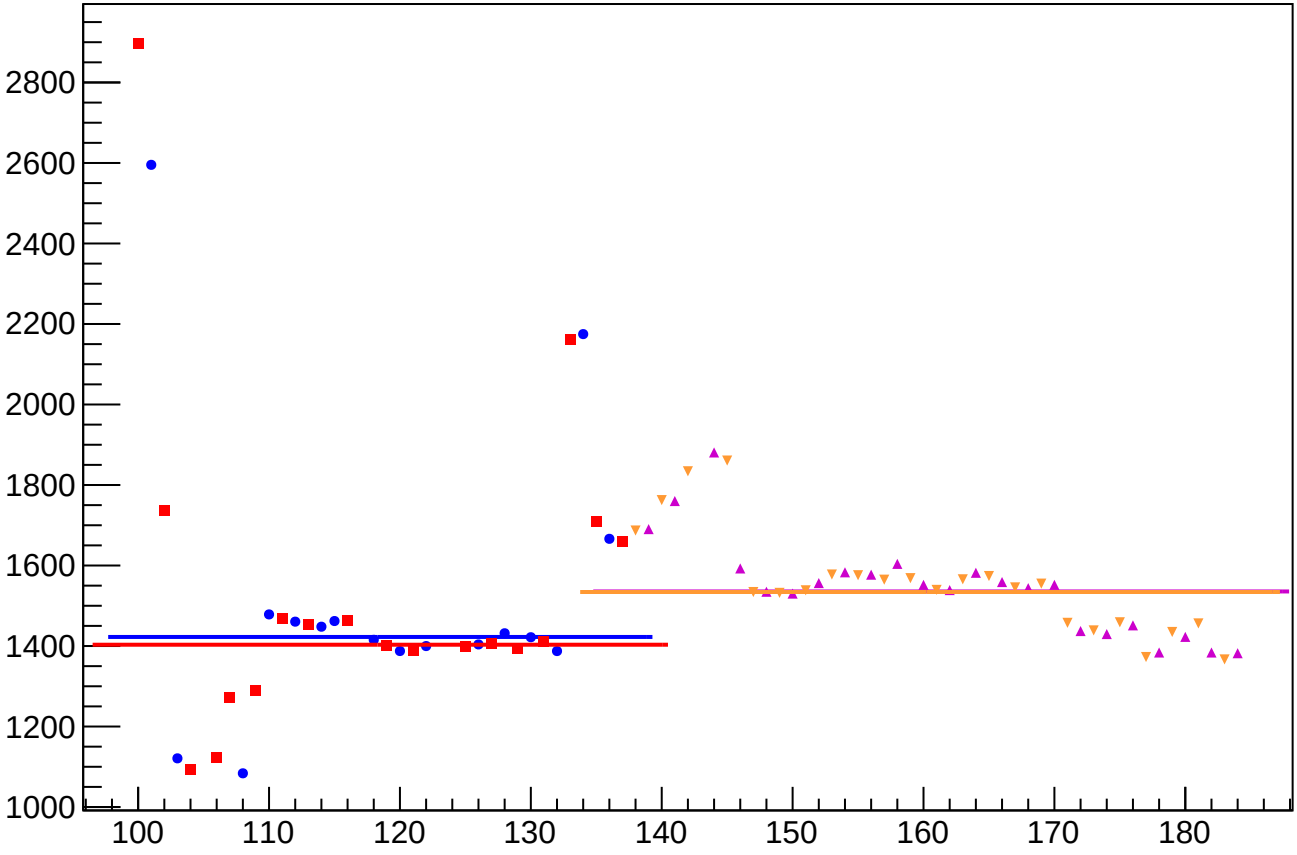
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 285.612+/-299.327 χ^2/NDF: 45.7/38

All: 168.320+/-211.196 χ^2/NDF: 83.1/79

- sign 52.043+/-298.029 χ^2/NDF: 37.1/40

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

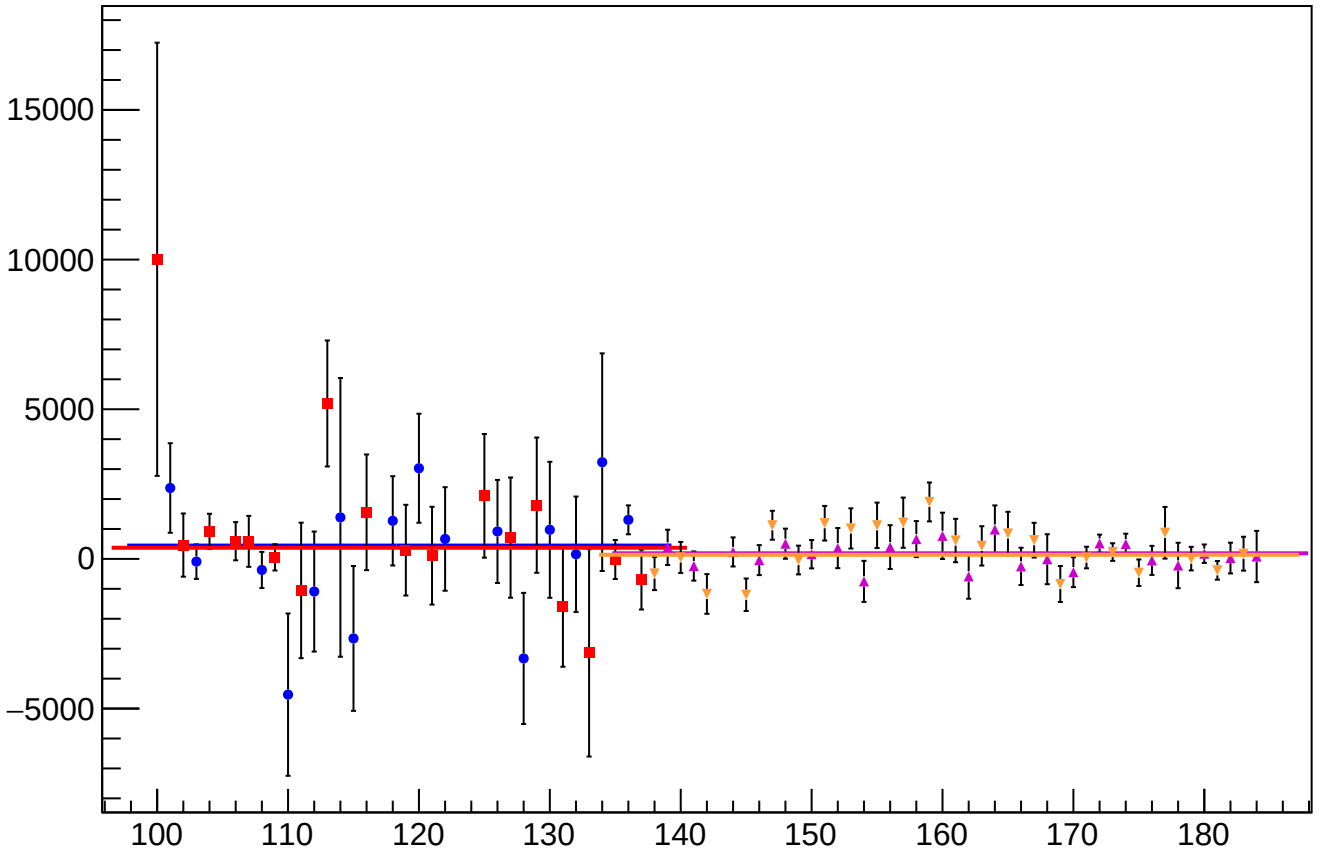
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1499.890+/-0.212 χ^2/NDF: 814109.5/38

All: 1497.007+/-0.149 χ^2/NDF: 1450793.0/79

- sign 1494.150+/-0.211 χ^2/NDF: 636314.2/40



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 138.140+/-105.791 χ^2/NDF:41.8/22

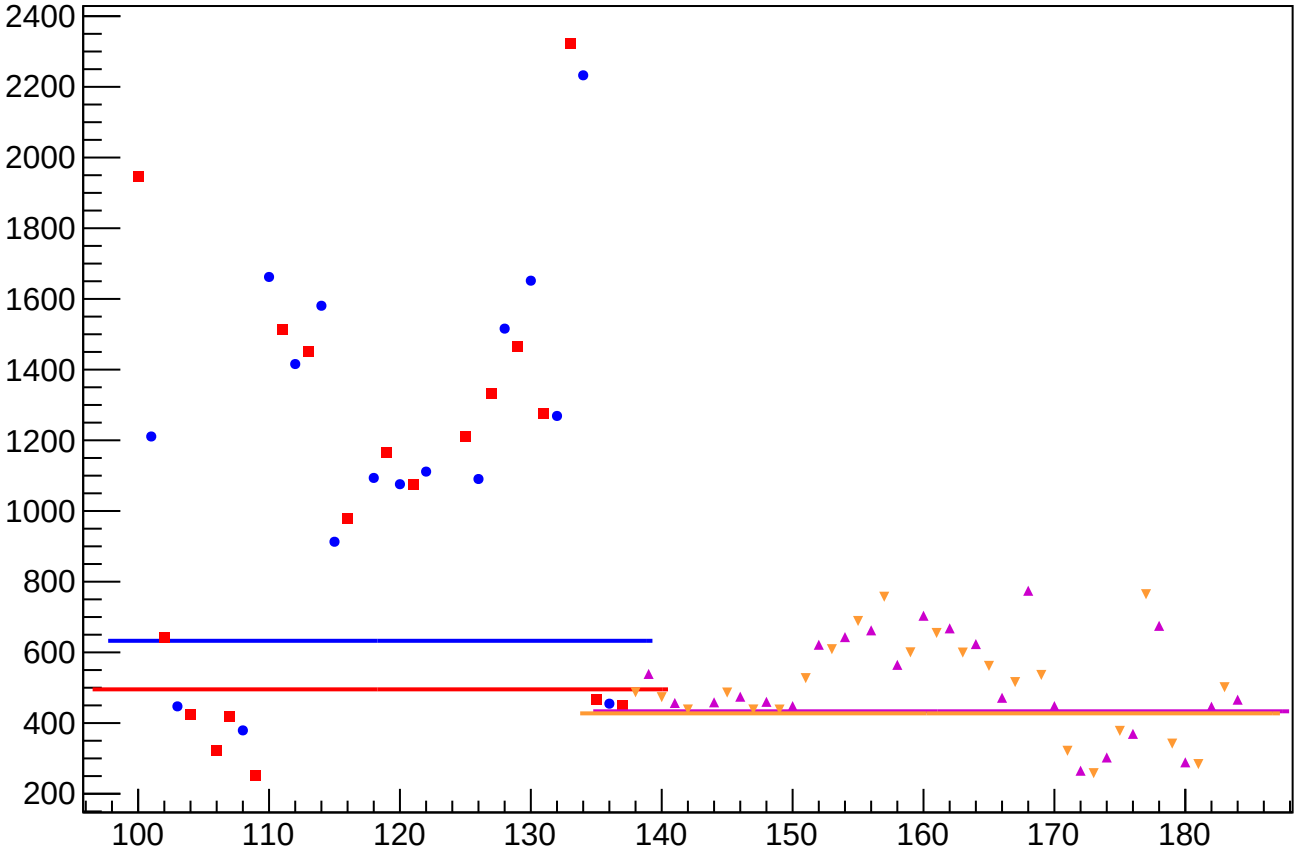
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 177.780+/-98.725 χ^2/NDF: 62.1/38

All: 199.094+/-69.227 χ^2/NDF: 88.3/79

- sign 219.712+/-97.098 χ^2/NDF: 26.1/40



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 427.439+/-0.075 χ^2/NDF:3186575.1/22

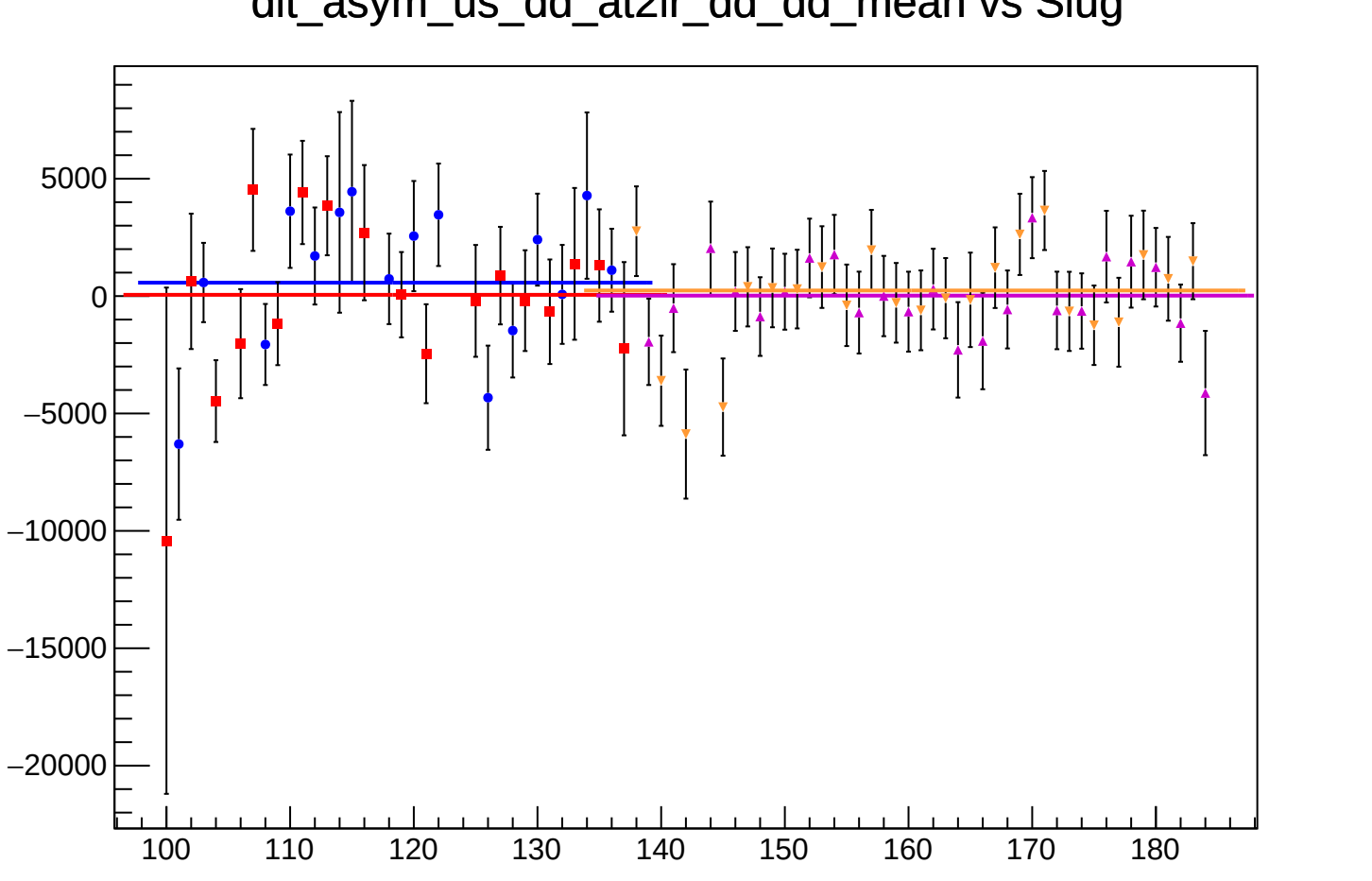
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 453.951+/-0.070 χ^2/NDF: 7927018.4/38

All: 449.006+/-0.049 χ^2/NDF: 15640944.8/79

- sign 444.223+/-0.069 χ^2/NDF: 7704054.7/40



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

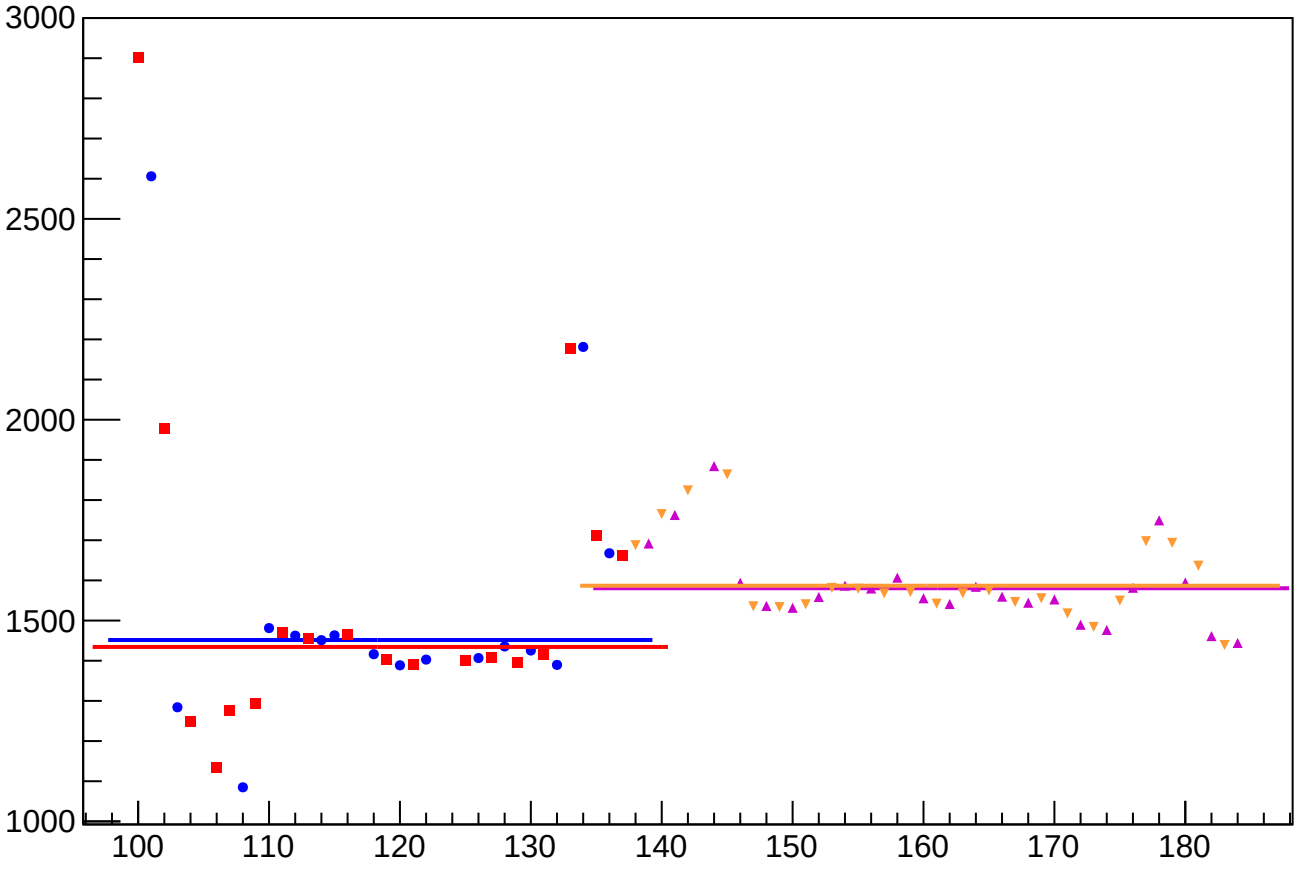
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 342.898+/-307.878 χ^2/NDF: 48.6/38

All: 185.925+/-217.056 χ^2/NDF: 87.6/79

\- sign 30.804+/-306.058 χ^2/NDF: 38.5/40

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

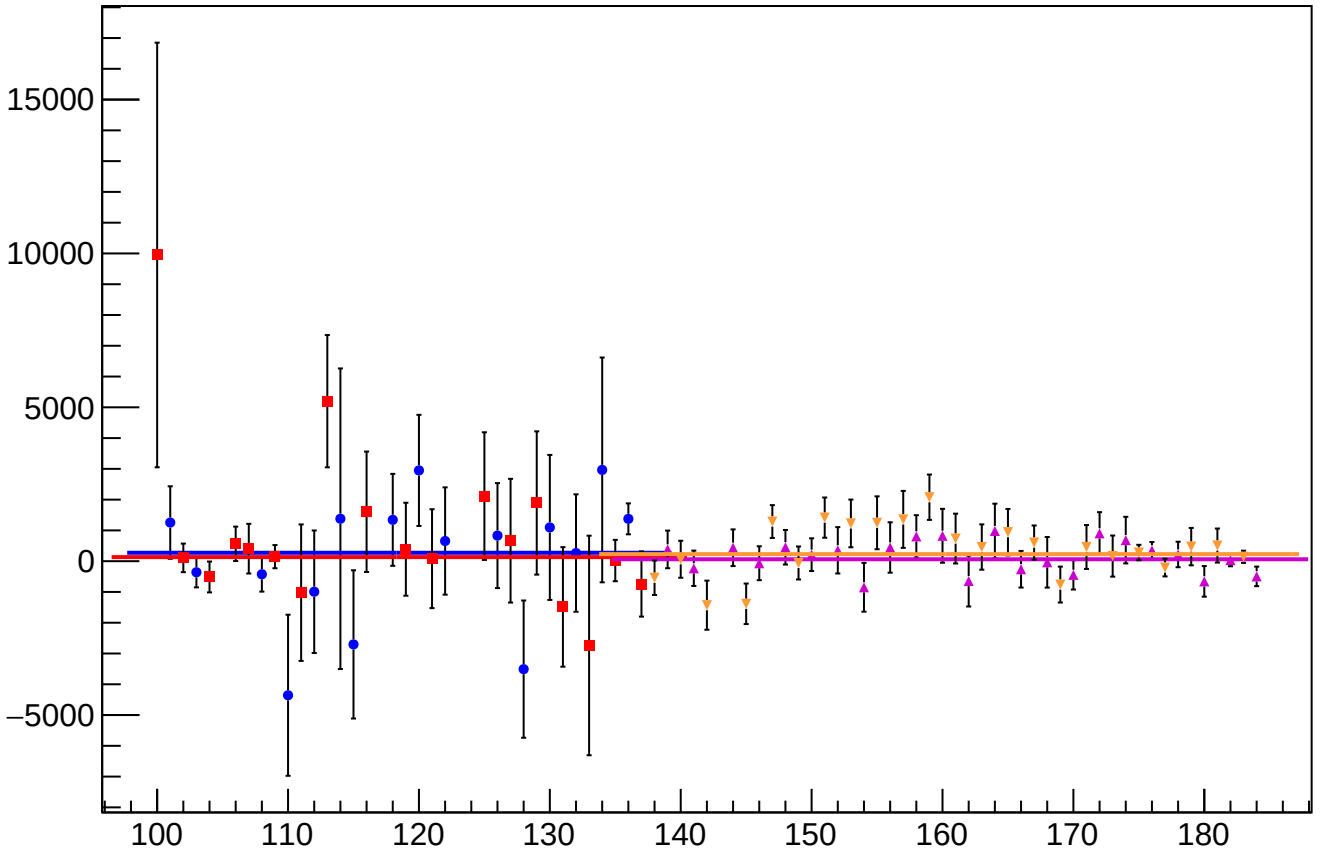
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1544.327+/-0.218 χ^2/NDF: 696715.8/38

All: 1539.352+/-0.153 χ^2/NDF: 1250480.1/79

- sign 1534.435+/-0.216 χ^2/NDF: 552726.0/40



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 229.275+/-99.927 χ^2/NDF:38.4/22

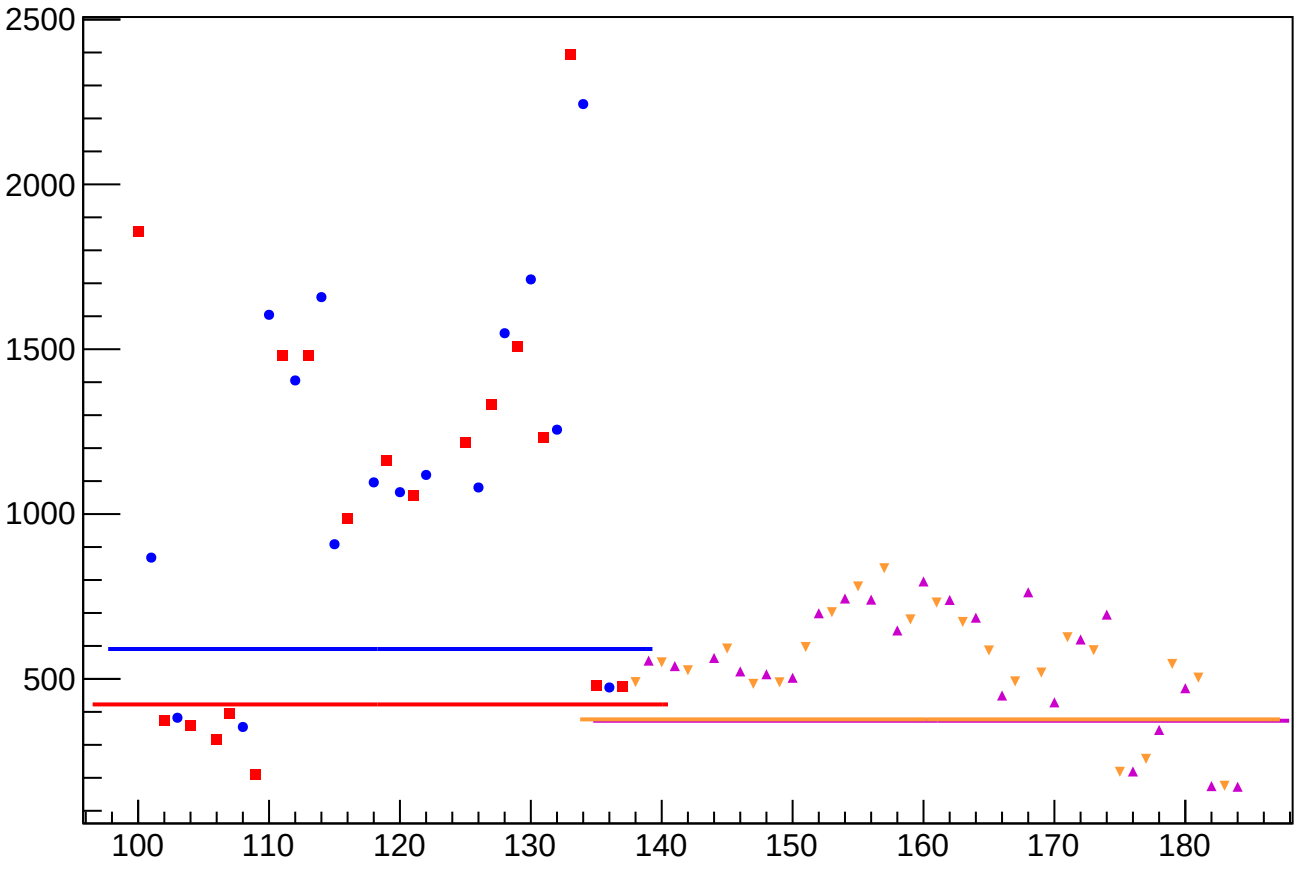
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 234.939+/-93.300 χ^2/NDF: 58.7/38

All: 151.954+/-64.350 χ^2/NDF: 91.7/79

- sign 76.664+/-88.870 χ^2/NDF: 31.6/40



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 377.224+/-0.071 χ^2/NDF:7524806.7/22

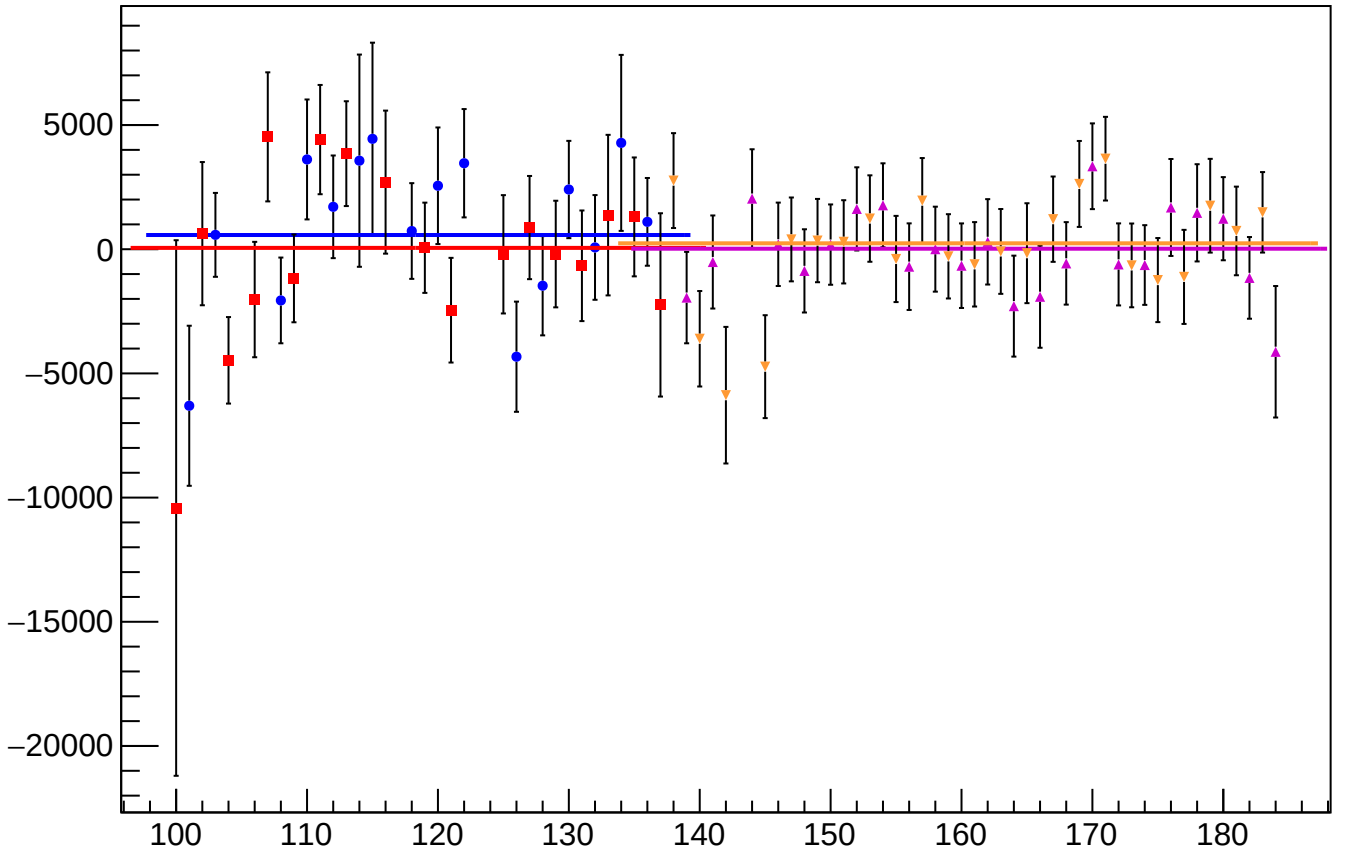
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 404.607+/-0.066 χ^2/NDF: 12581381.3/38

All: 393.447+/-0.046 χ^2/NDF: 25802672.8/79

- sign 383.321+/-0.063 χ^2/NDF: 13166711.7/40



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 238.010+/-371.656 χ^2/NDF:27.5/22

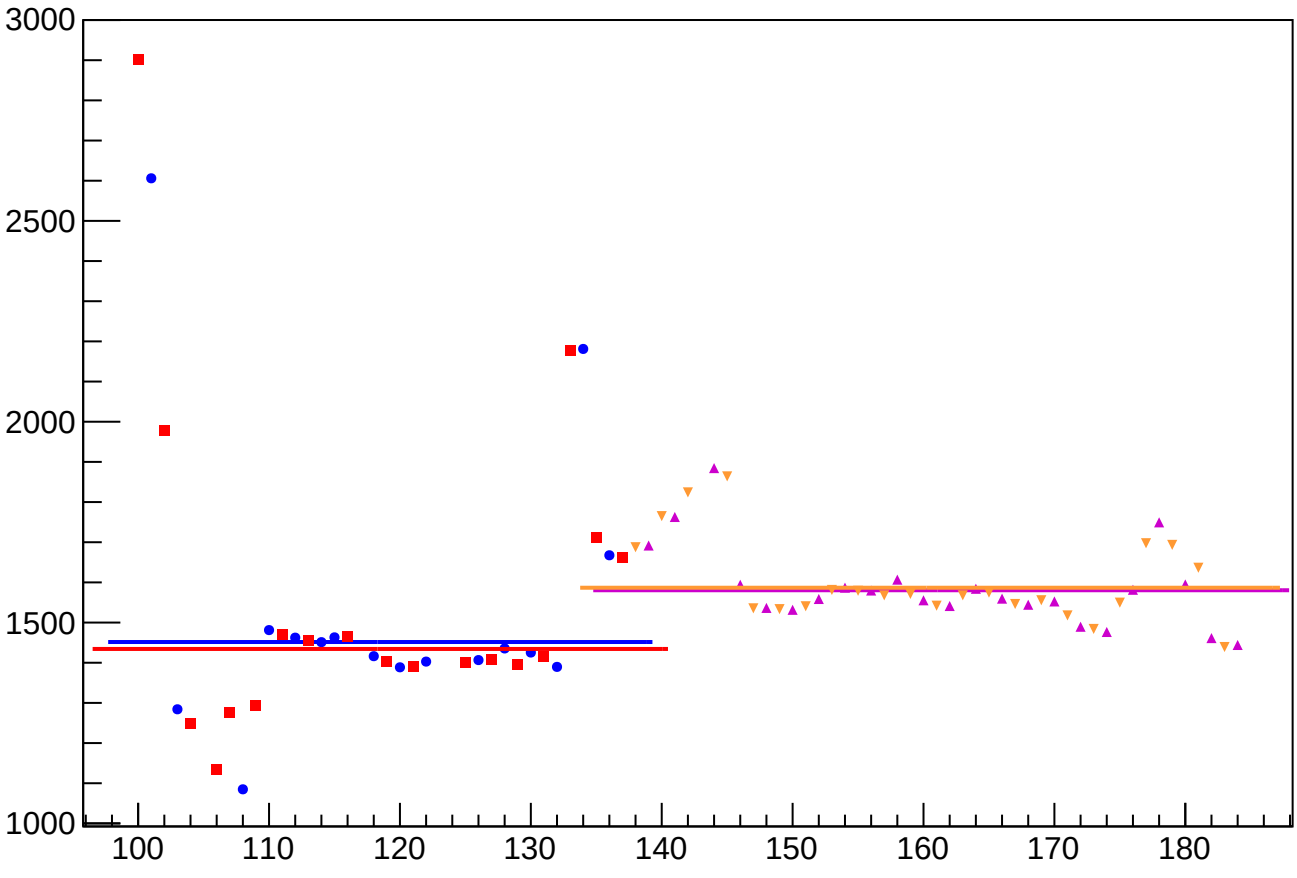
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

\+ sign 342.895+/-307.877 χ^2/NDF: 48.6/38

All: 185.923+/-217.056 χ^2/NDF: 87.6/79

\- sign 30.802+/-306.057 χ^2/NDF: 38.5/40



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1586.733+/-0.263 χ^2/NDF:125892.8/22

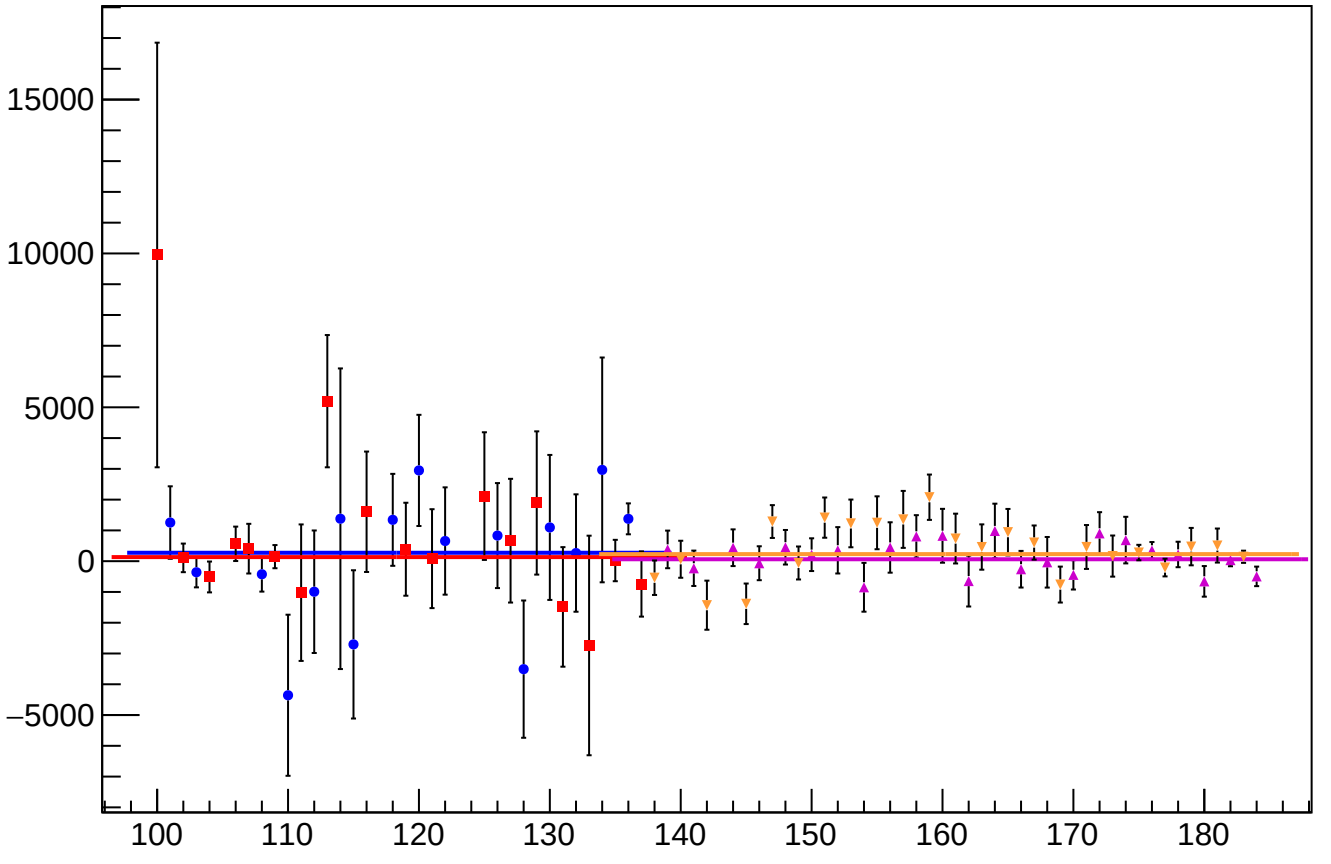
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1544.326+/-0.218 χ^2/NDF: 696715.4/38

All: 1539.351+/-0.153 χ^2/NDF: 1250479.4/79

- sign 1534.435+/-0.216 χ^2/NDF: 552725.7/40



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 229.280+/-99.928 χ^2/NDF:38.4/22

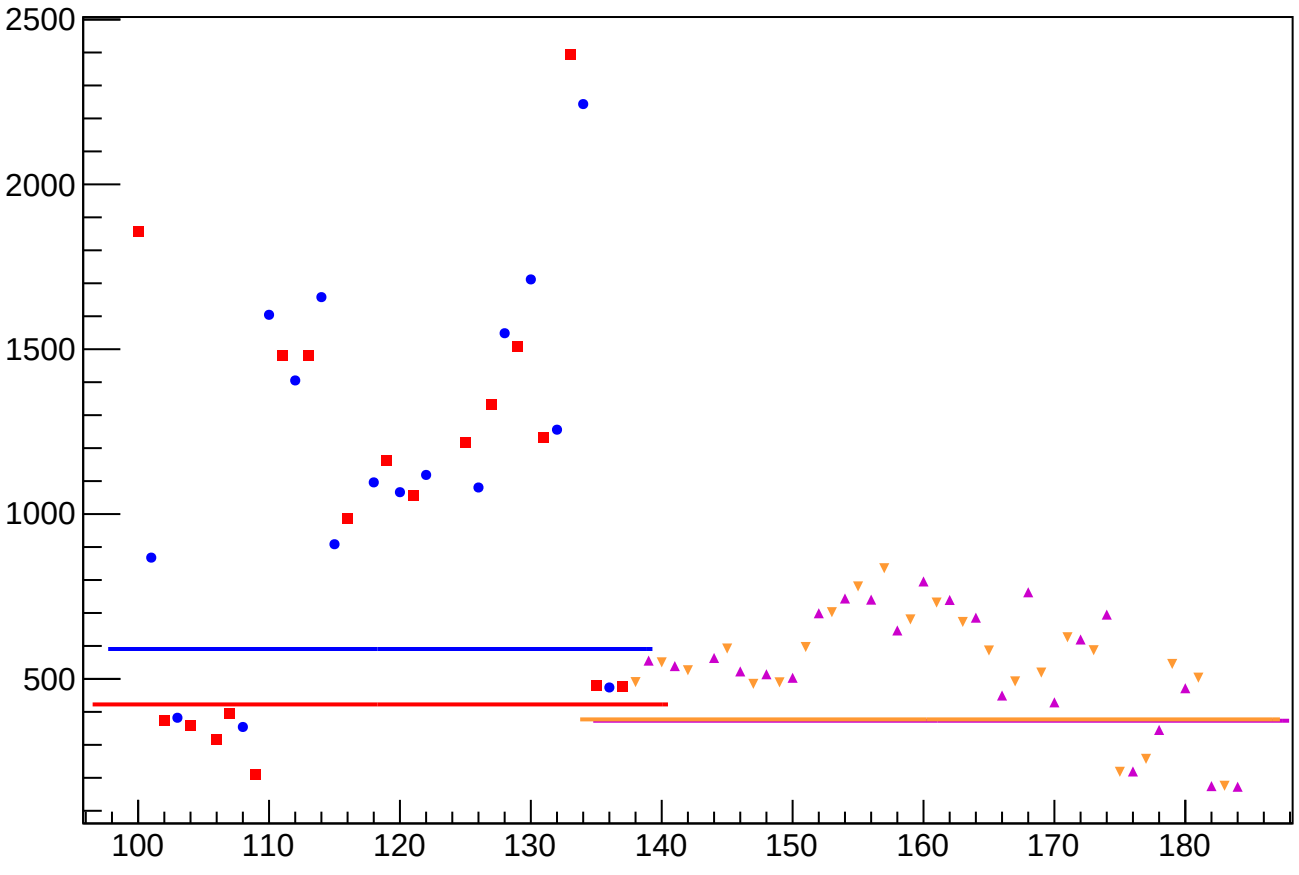
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 234.942+/-93.301 χ^2/NDF: 58.7/38

All: 151.955+/-64.350 χ^2/NDF: 91.7/79

- sign 76.661+/-88.871 χ^2/NDF: 31.6/40



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 377.228+/-0.071 χ^2/NDF:7524631.7/22

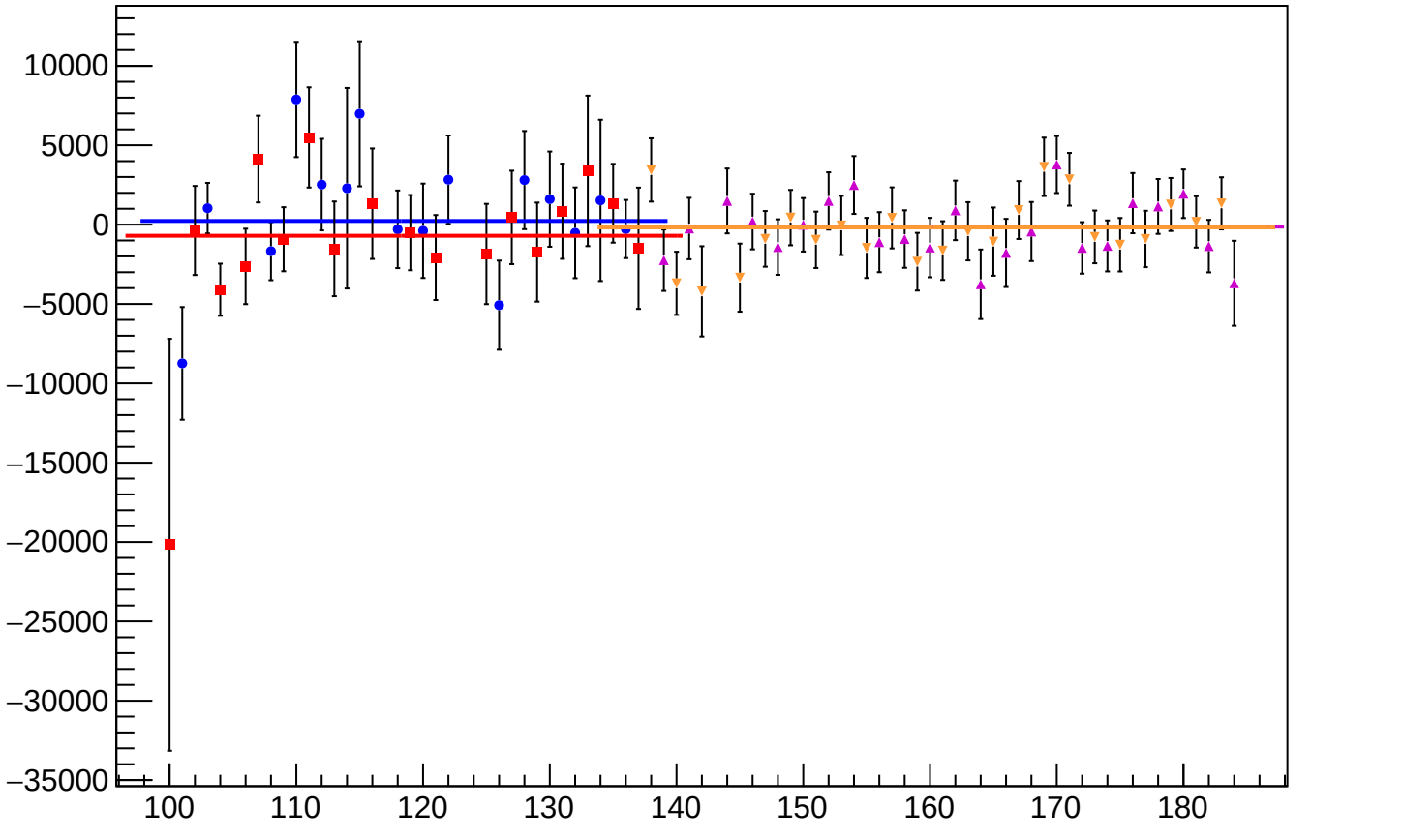
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 404.611+/-0.066 χ^2/NDF: 12581172.3/38

All: 393.451+/-0.046 χ^2/NDF: 25802132.5/79

- sign 383.326+/-0.063 χ^2/NDF: 13166387.4/40



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

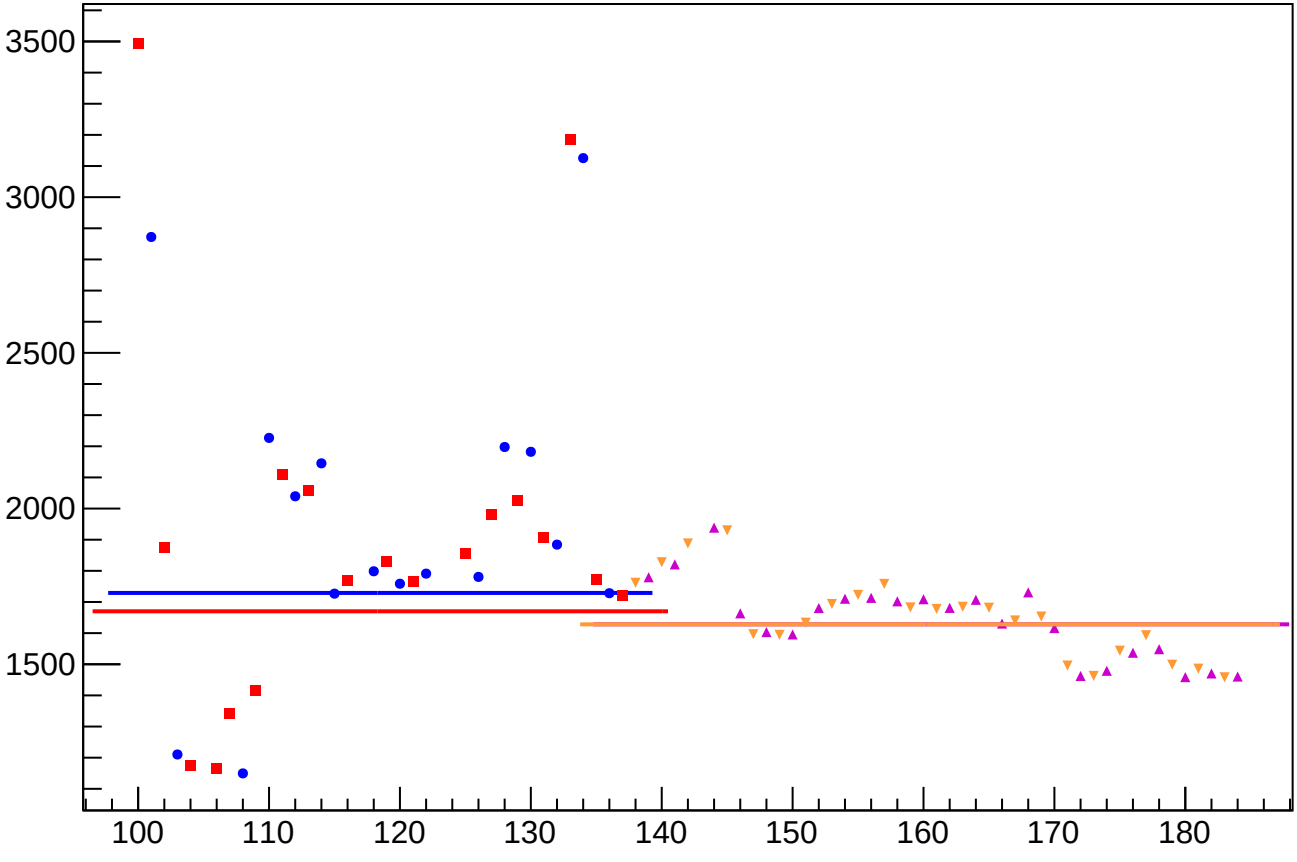
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

\+ sign -77.328+/-331.196 χ^2/NDF: 45.3/38

All: -176.512+/-233.294 χ^2/NDF: 84.3/79

\- sign -274.191+/-328.673 χ^2/NDF: 38.8/40

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

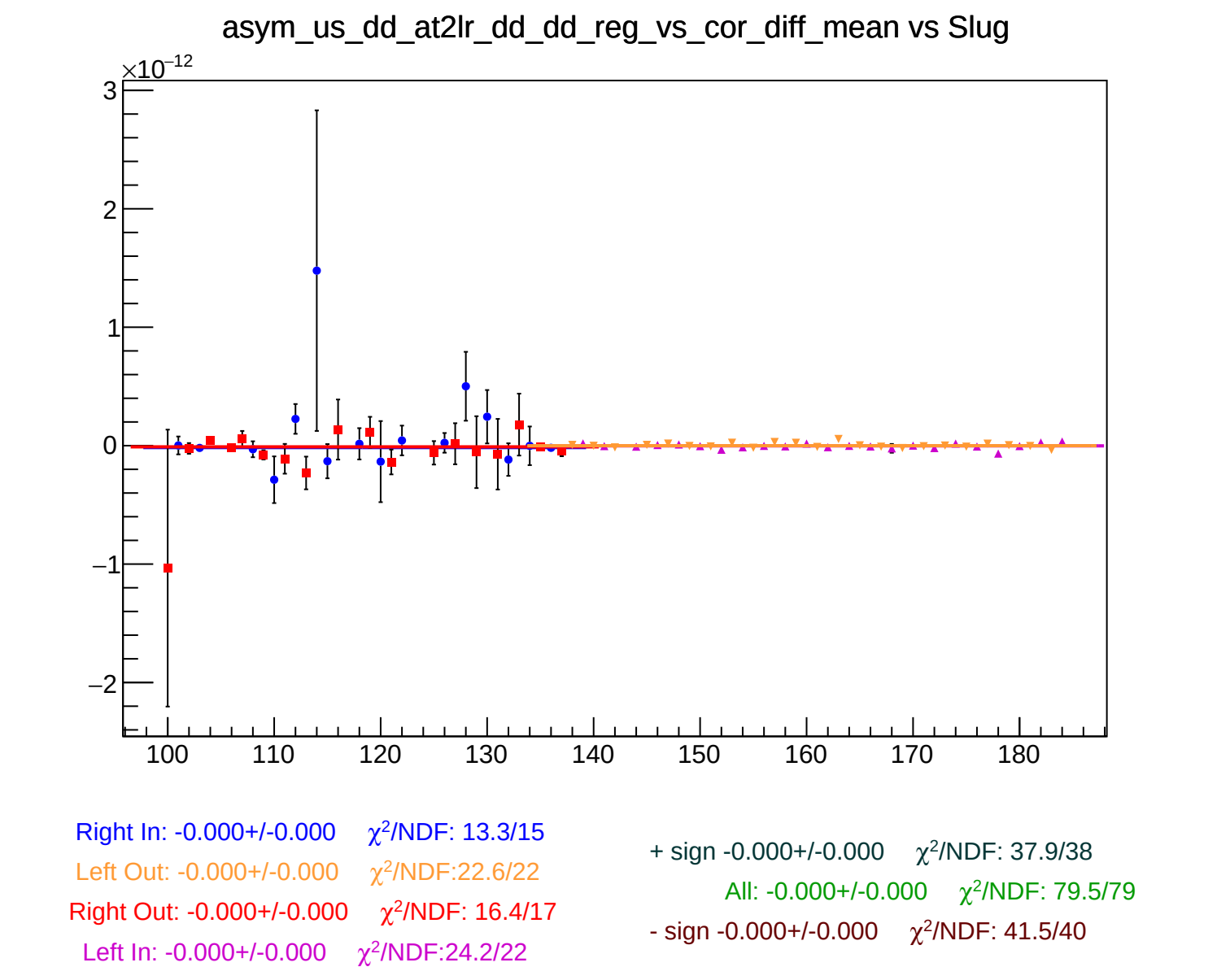
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

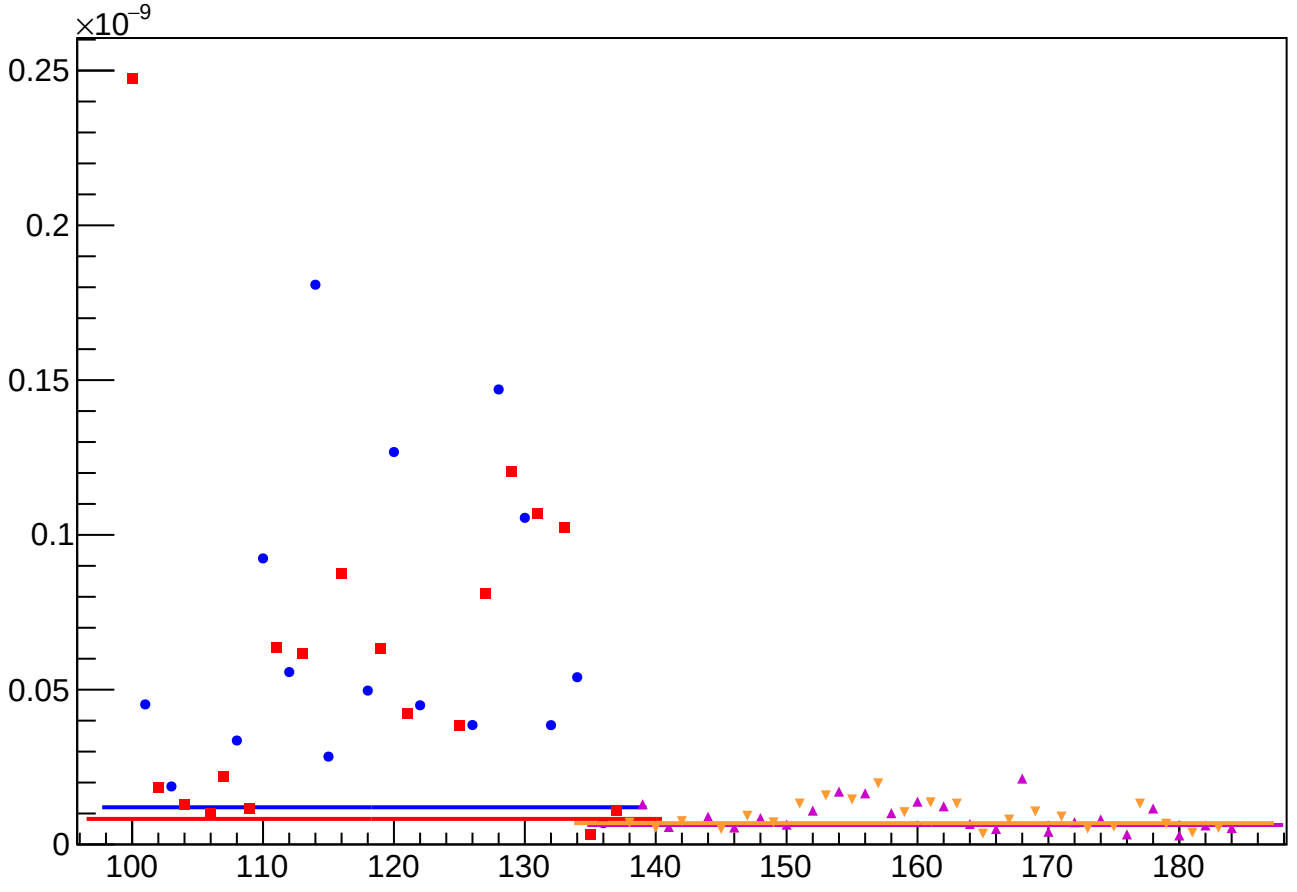
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1653.115+/-0.234 χ^2/NDF: 1174156.7/38

All: 1645.990+/-0.165 χ^2/NDF: 2131514.2/79

- sign 1638.973+/-0.232 χ^2/NDF: 955520.3/40


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:24.2/22
+ sign -0.000+/-0.000 χ²/NDF: 37.9/38
All: -0.000+/-0.000 χ²/NDF: 79.5/79
- sign -0.000+/-0.000 χ²/NDF: 41.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2256537.7/22

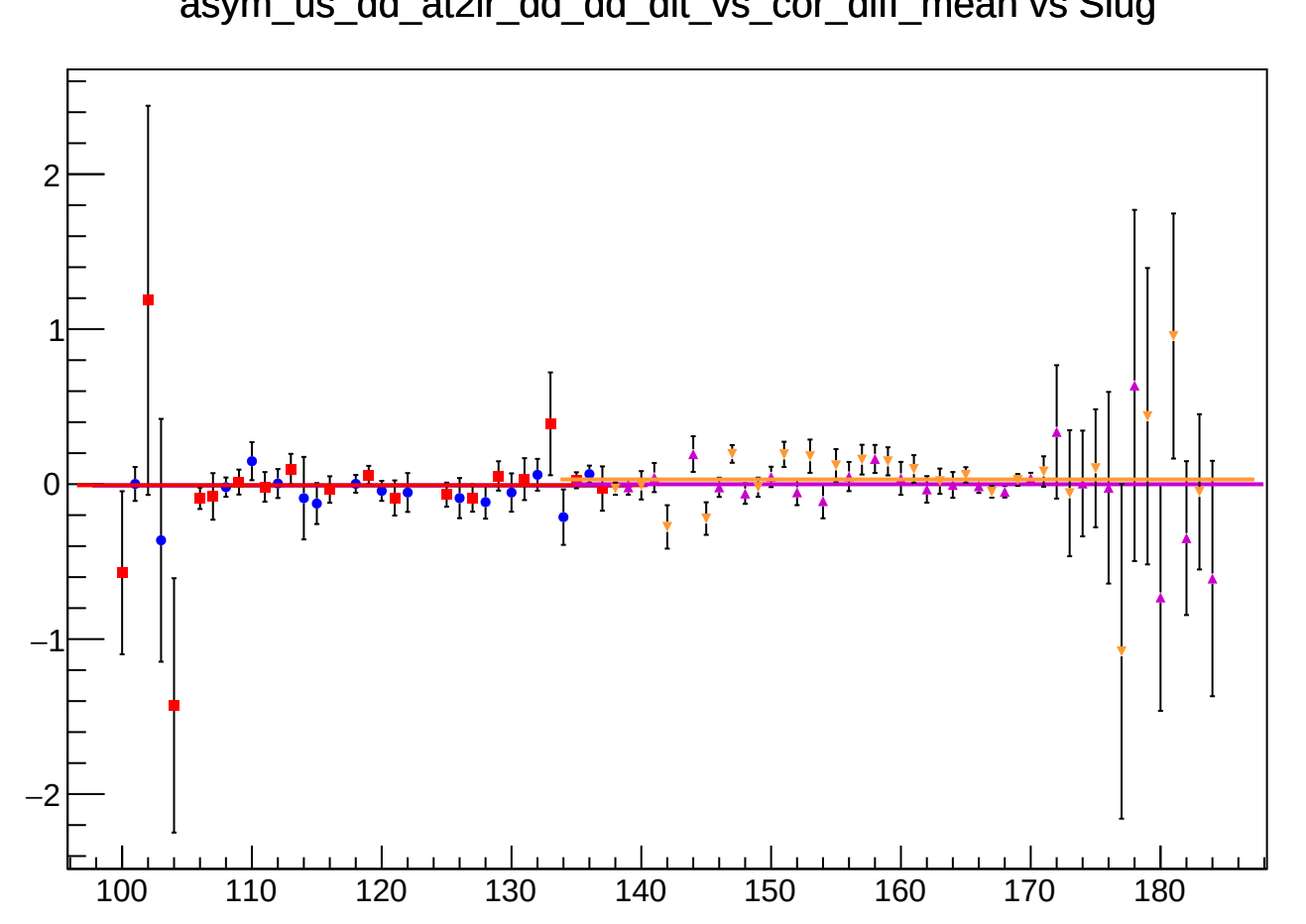
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6143324.9/38

All: 0.000+/-0.000 χ^2/NDF: 12722117.8/79

- sign 0.000+/-0.000 χ^2/NDF: 6491658.8/40



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.2/22

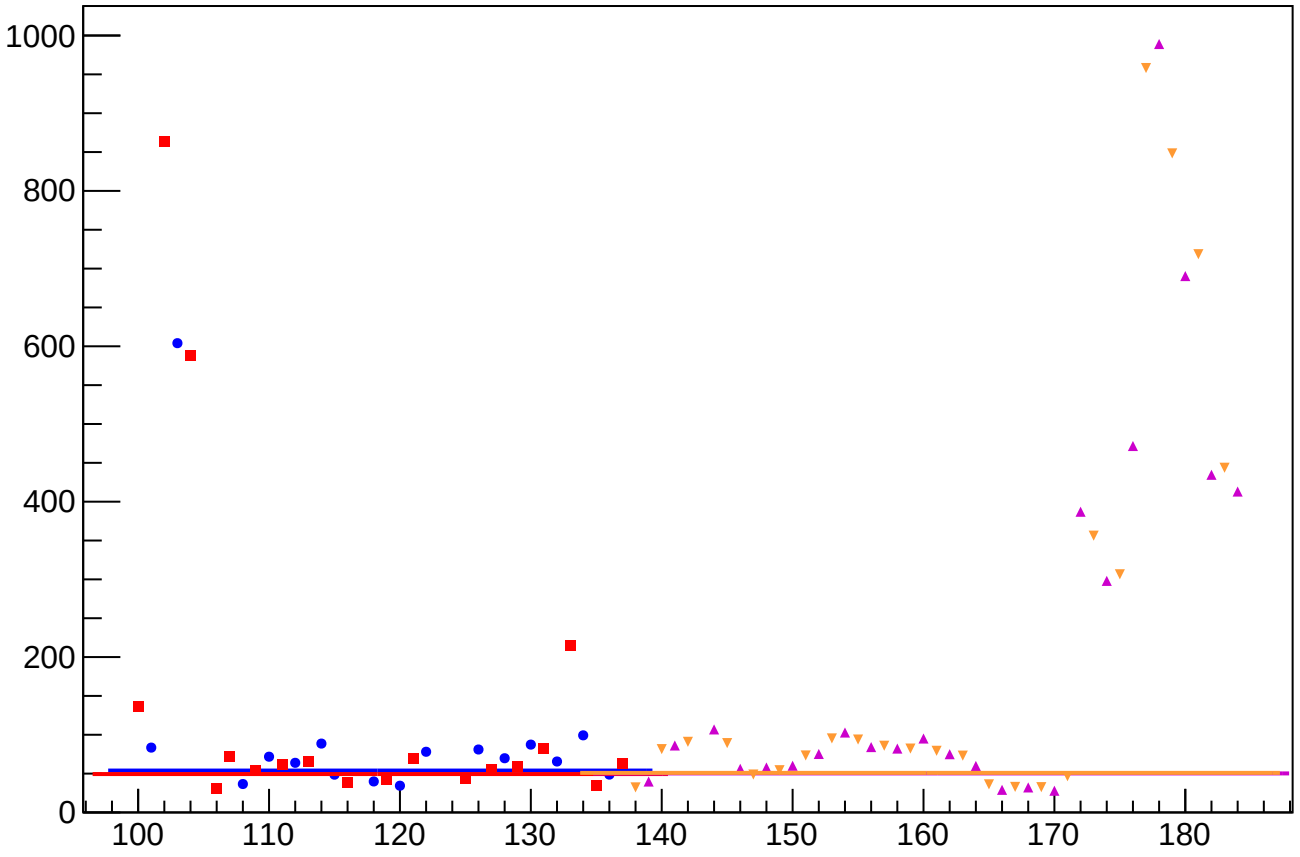
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/38

All: 0.008+/-0.009 χ^2/NDF: 81.5/79

- sign -0.003+/-0.013 χ^2/NDF: 29.7/40



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.945+/-0.011 χ^2/NDF:11344883.5/22

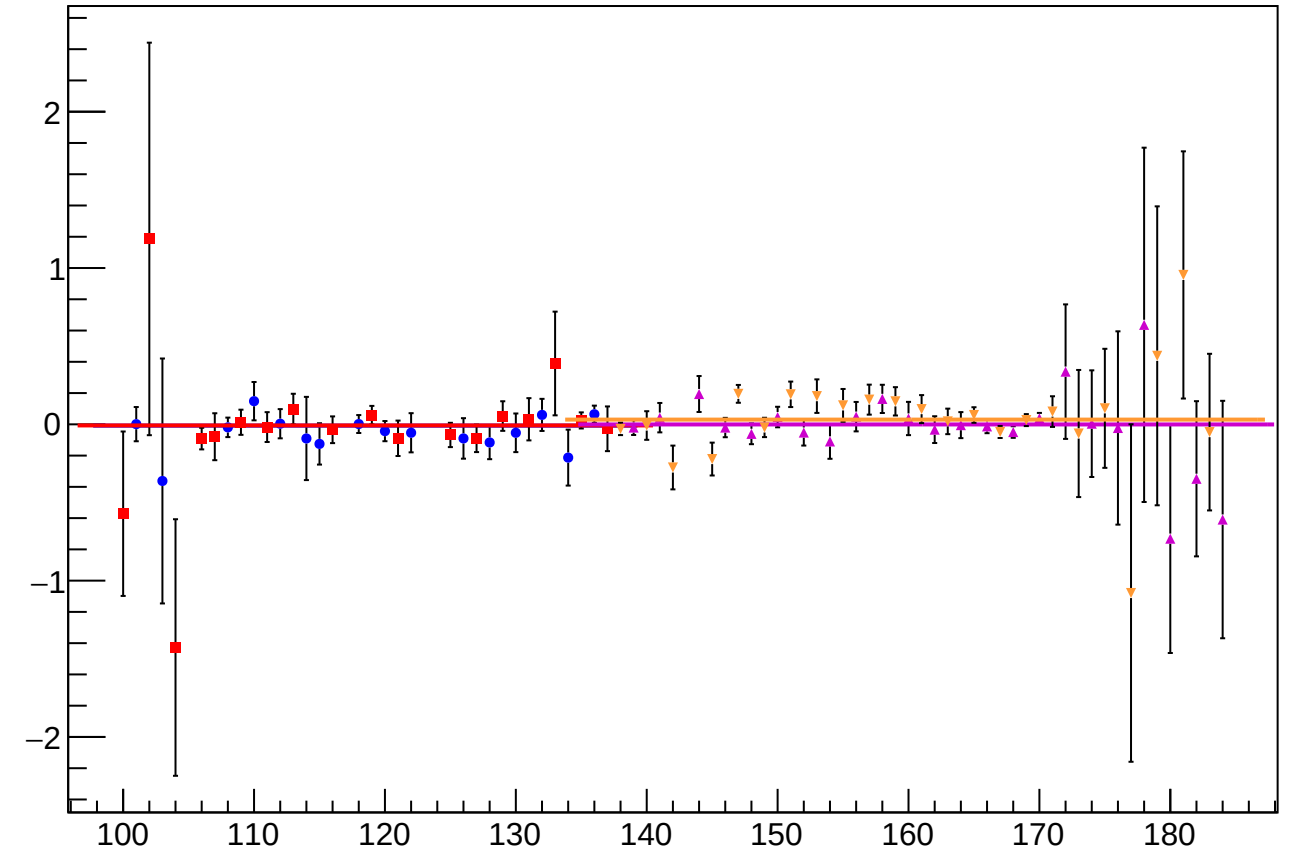
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 51.868+/-0.009 χ^2/NDF: 13582206.6/38

All: 50.906+/-0.006 χ^2/NDF: 28819486.3/79

\- sign 49.984+/-0.009 χ^2/NDF: 15215342.8/40



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.2/22

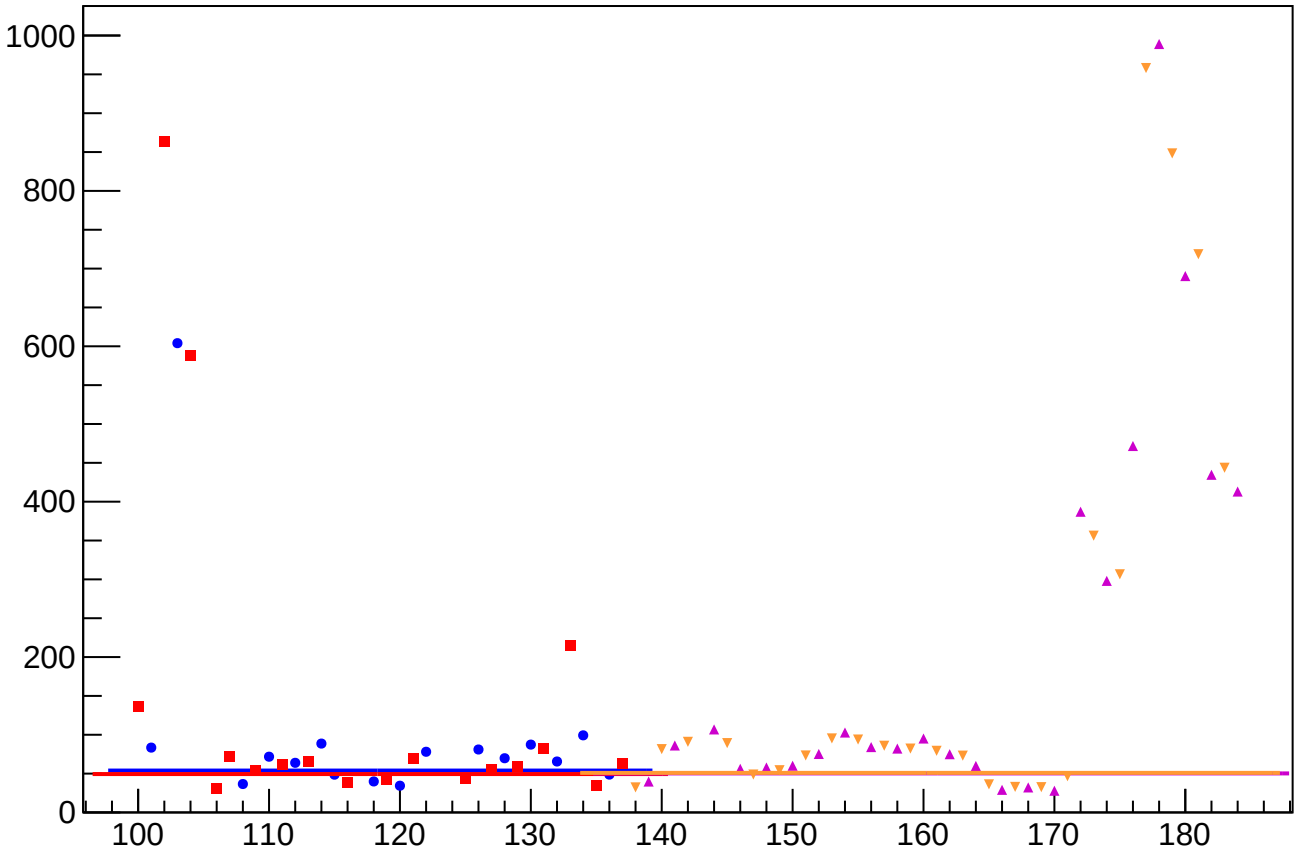
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/38

All: 0.008+/-0.009 χ^2/NDF: 81.5/79

- sign -0.003+/-0.013 χ^2/NDF: 29.7/40



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.945+/-0.011 χ^2/NDF:11344883.5/22

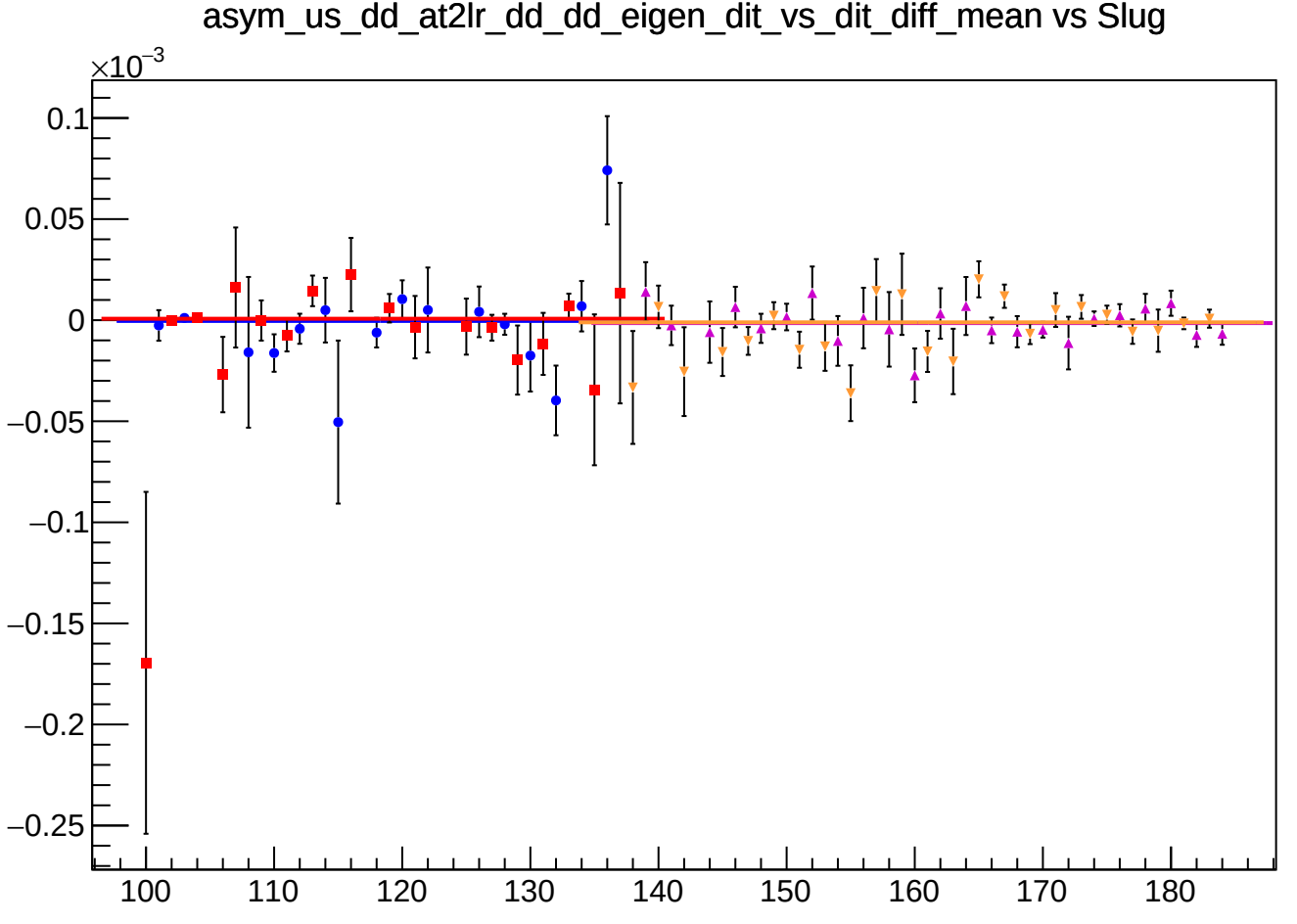
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 51.868+/-0.009 χ^2/NDF: 13582206.6/38

All: 50.906+/-0.006 χ^2/NDF: 28819486.3/79

\- sign 49.984+/-0.009 χ^2/NDF: 15215342.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.1/22

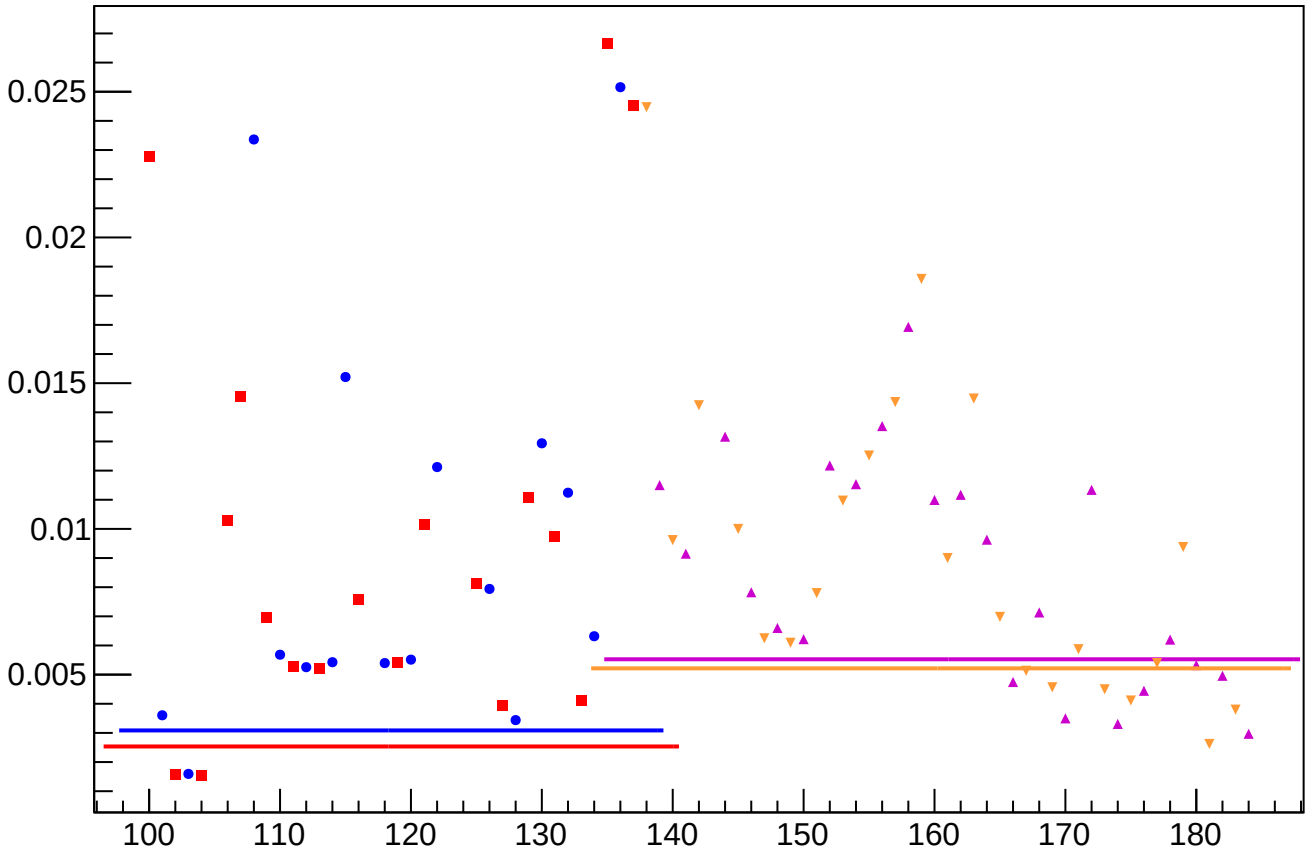
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.3/38

All: -0.000+/-0.000 χ^2/NDF: 94.9/79

- sign -0.000+/-0.000 χ^2/NDF: 35.5/40



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:8125768.0/22

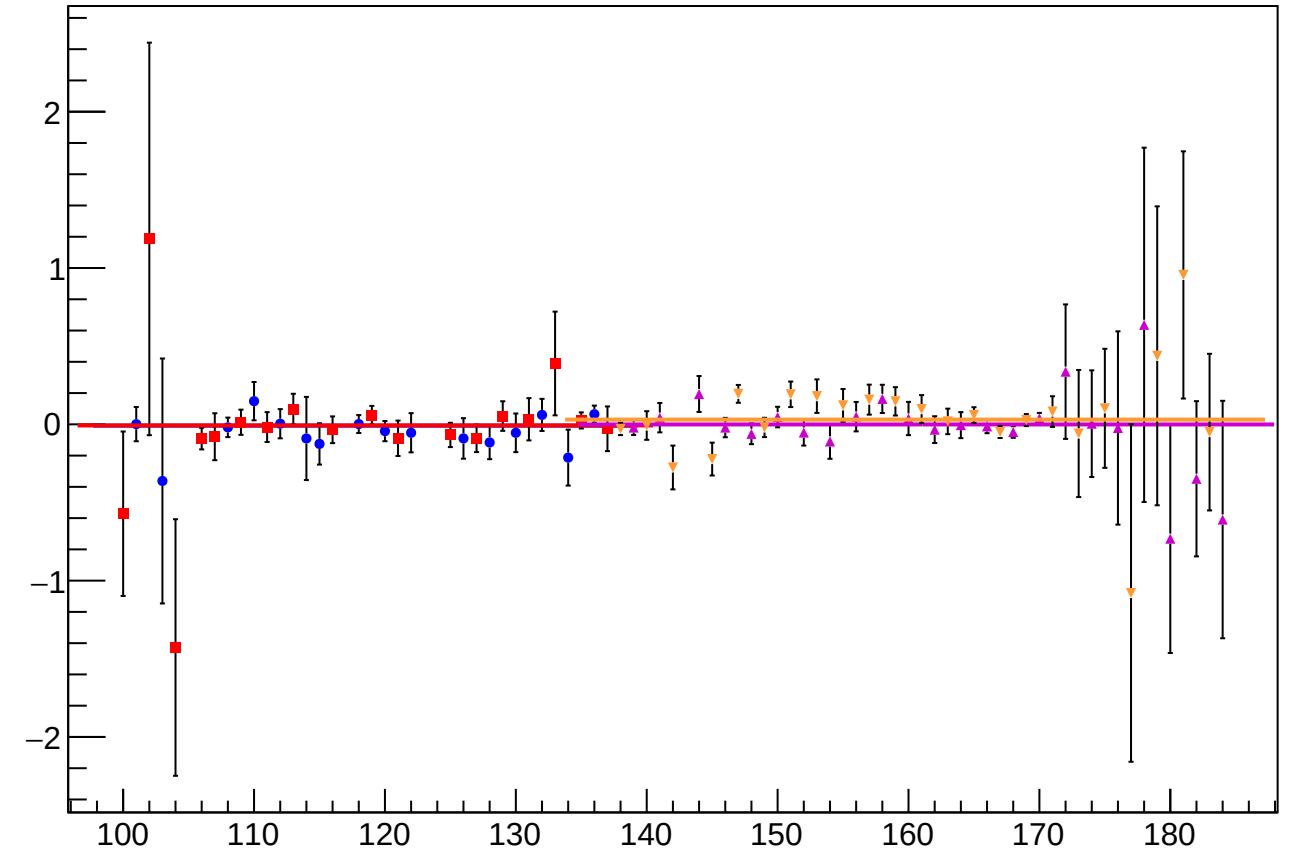
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 15845126.8/38

All: 0.004+/-0.000 χ^2/NDF: 33824391.0/79

- sign 0.004+/-0.000 χ^2/NDF: 17733268.0/40



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.2/22

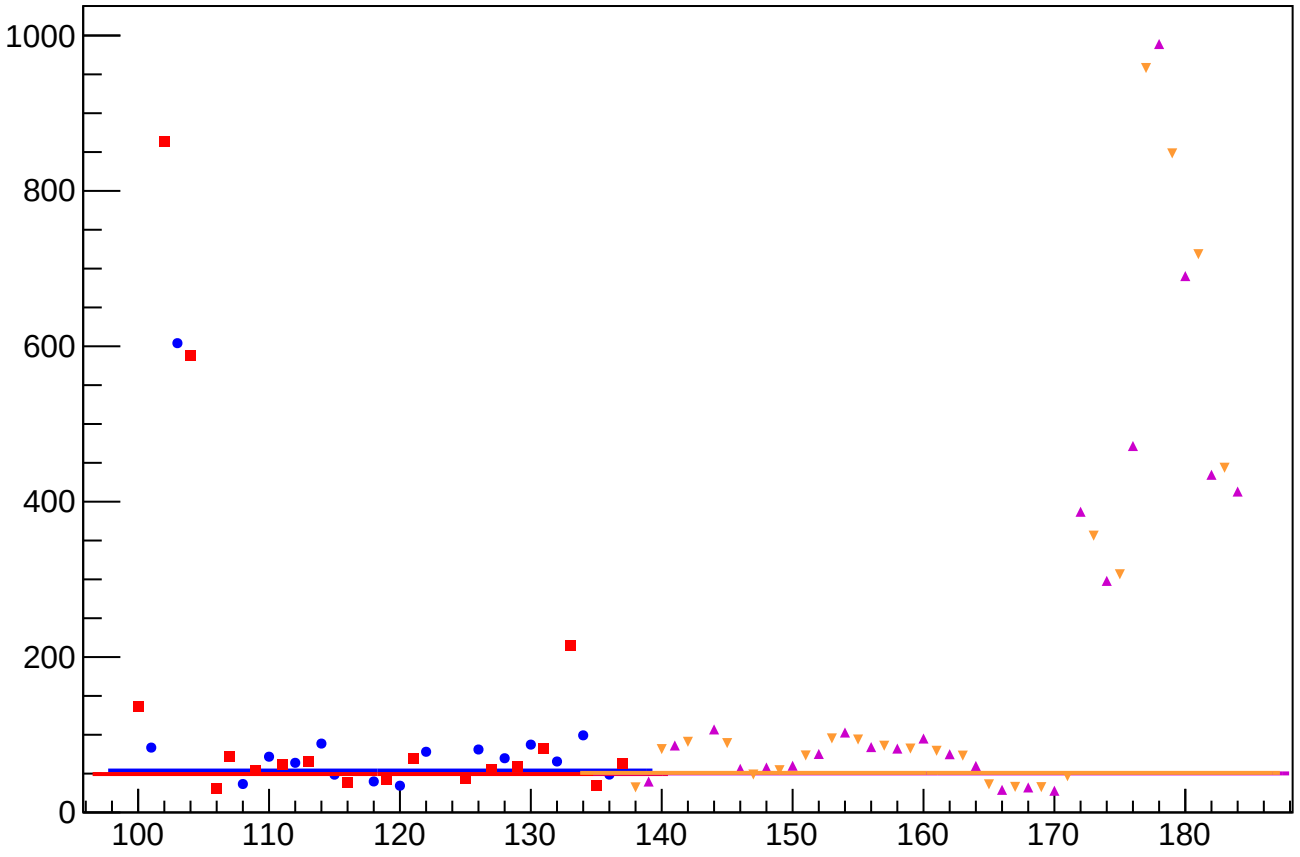
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/38

All: 0.008+/-0.009 χ^2/NDF: 81.5/79

- sign -0.003+/-0.013 χ^2/NDF: 29.7/40



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.948+/-0.011 χ^2/NDF:11344057.1/22

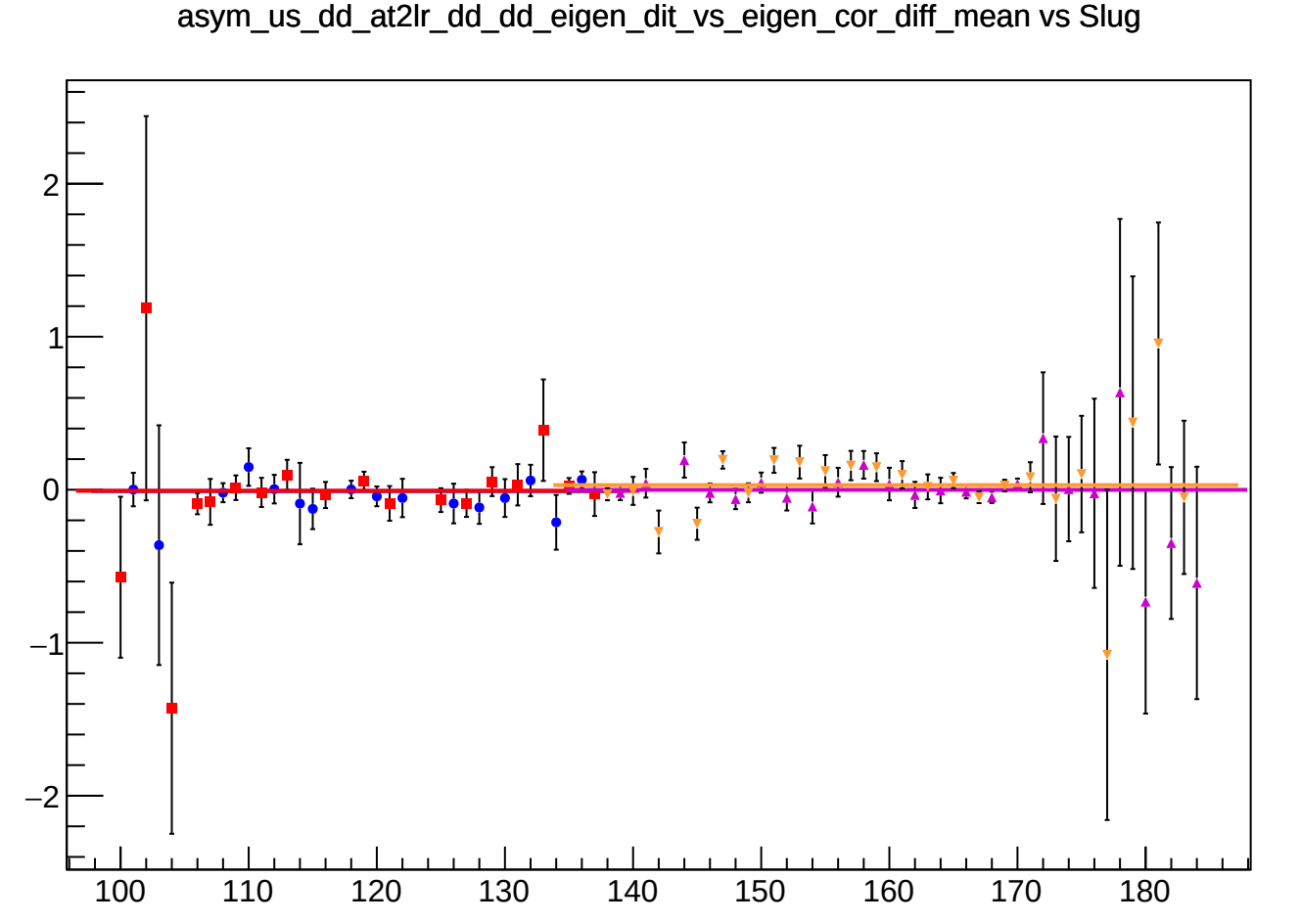
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 51.871+/-0.009 χ^2/NDF: 13580994.5/38

All: 50.907+/-0.006 χ^2/NDF: 28817972.8/79

\- sign 49.985+/-0.009 χ^2/NDF: 15214996.1/40



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:40.2/22

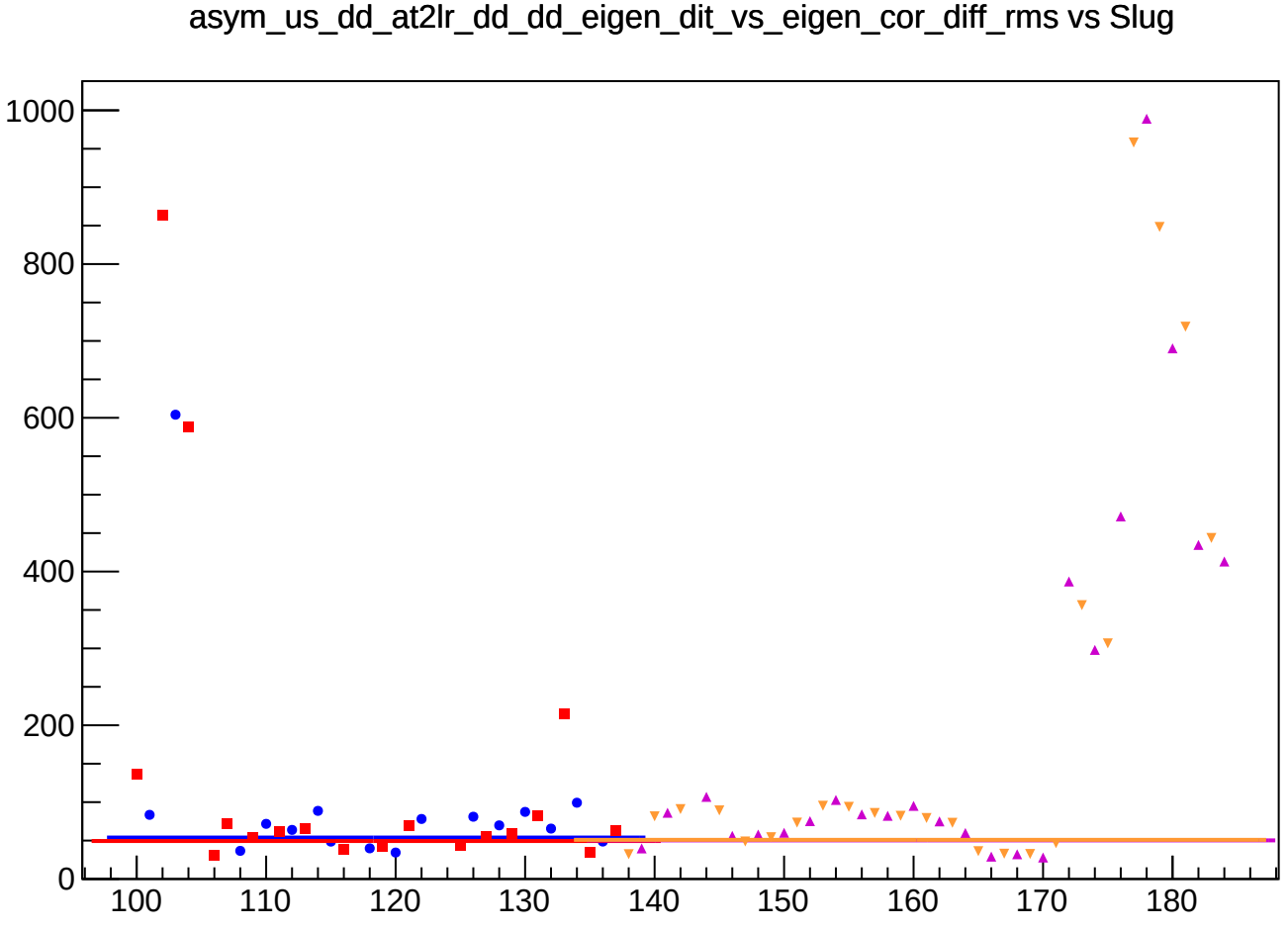
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 50.4/38

All: 0.008+/-0.009 χ^2/NDF: 81.5/79

- sign -0.003+/-0.013 χ^2/NDF: 29.7/40



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.948+/-0.011 χ^2/NDF:11344057.1/22

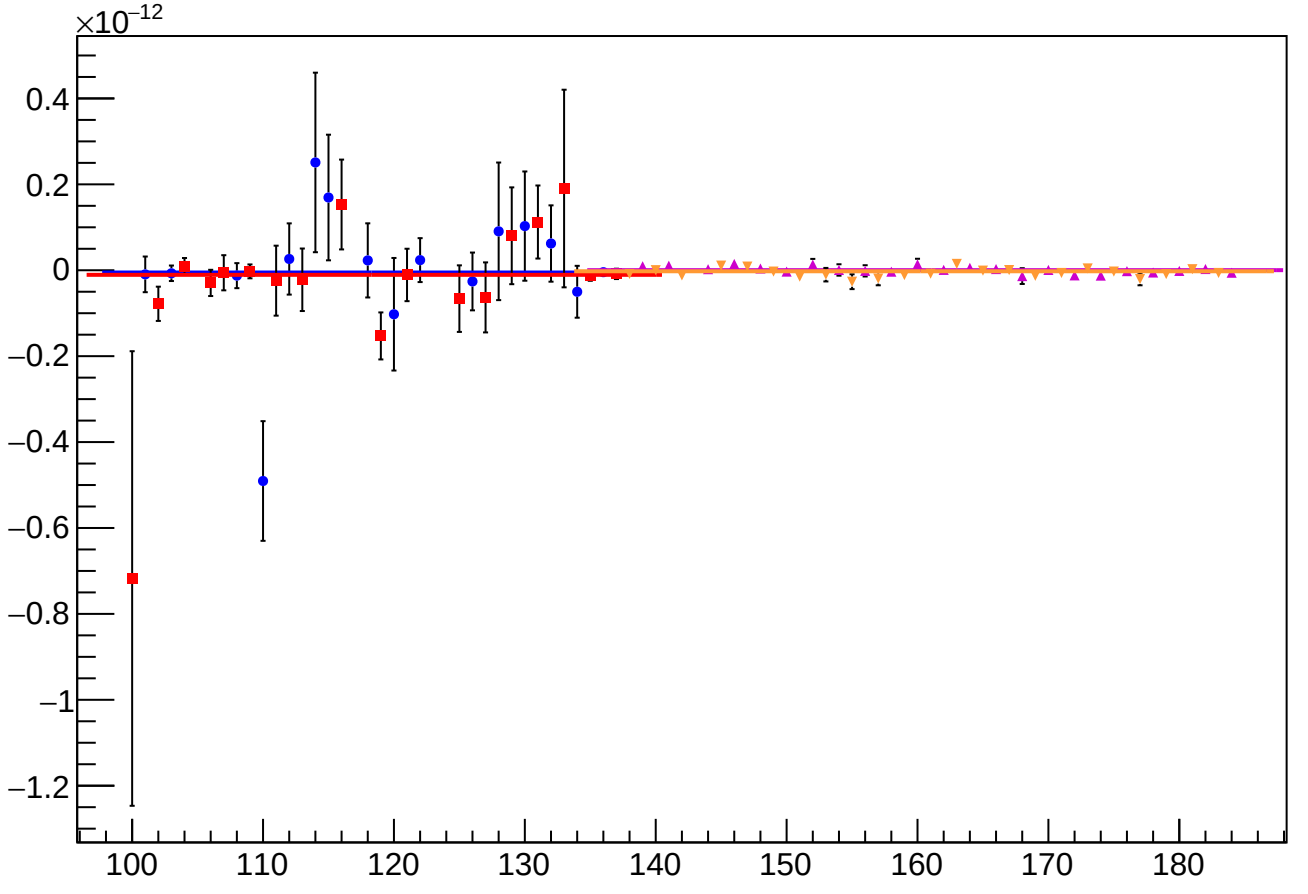
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 51.871+/-0.009 χ^2/NDF: 13580994.5/38

All: 50.907+/-0.006 χ^2/NDF: 28817972.8/79

\- sign 49.985+/-0.009 χ^2/NDF: 15214996.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/22

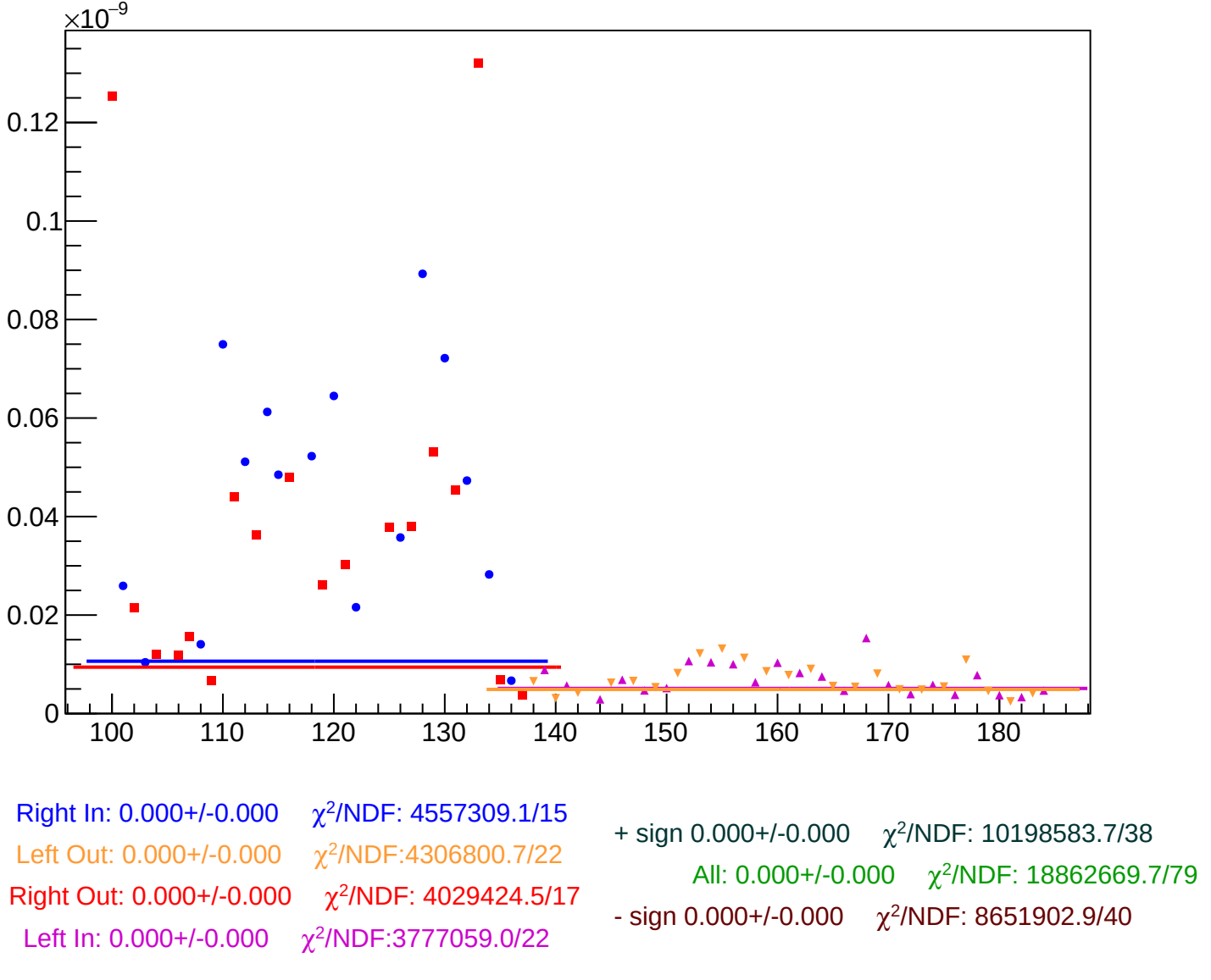
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

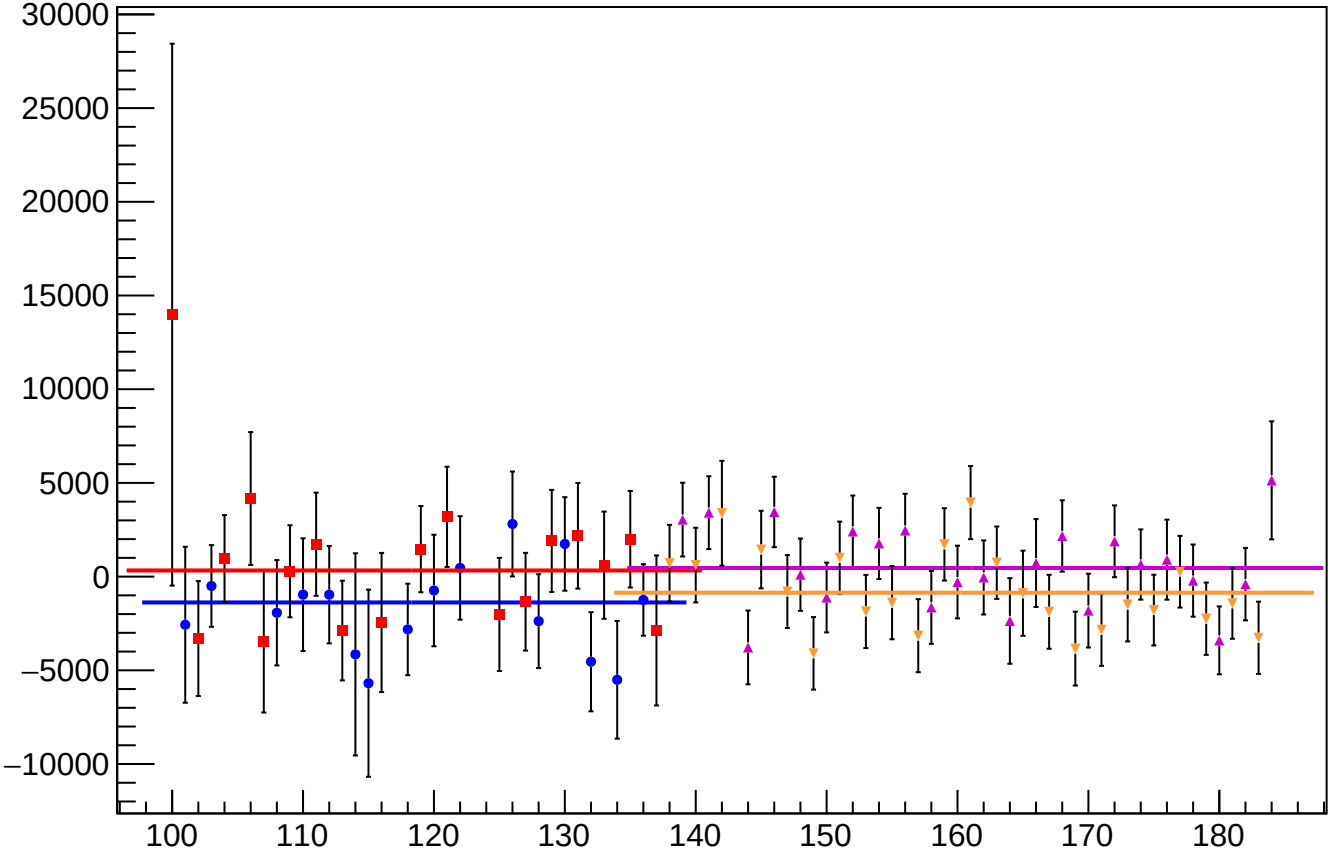
+ sign -0.000+/-0.000 χ^2/NDF: 41.0/38

All: -0.000+/-0.000 χ^2/NDF: 82.9/79

- sign -0.000+/-0.000 χ^2/NDF: 41.0/40


asym_us_dd_at2lr_dd_dd_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: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4306800.7/22
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:3777059.0/22
+ sign 0.000+/-0.000 χ²/NDF: 10198583.7/38
All: 0.000+/-0.000 χ²/NDF: 18862669.7/79
- sign 0.000+/-0.000 χ²/NDF: 8651902.9/40

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

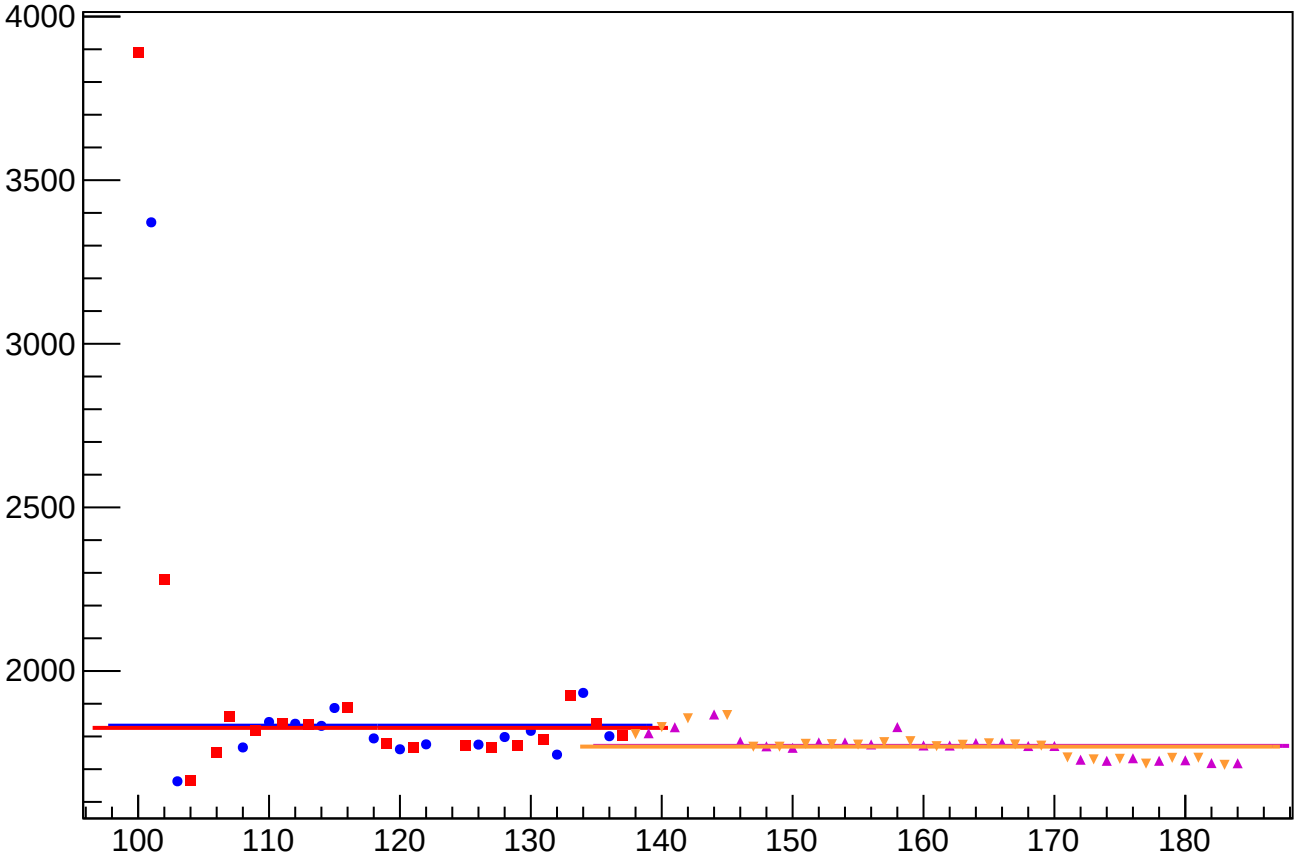
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -997.307+/-354.585 χ^2/NDF: 34.9/38

All: -285.070+/-250.499 χ^2/NDF: 81.2/79

- sign 424.554+/-353.934 χ^2/NDF: 38.3/40

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

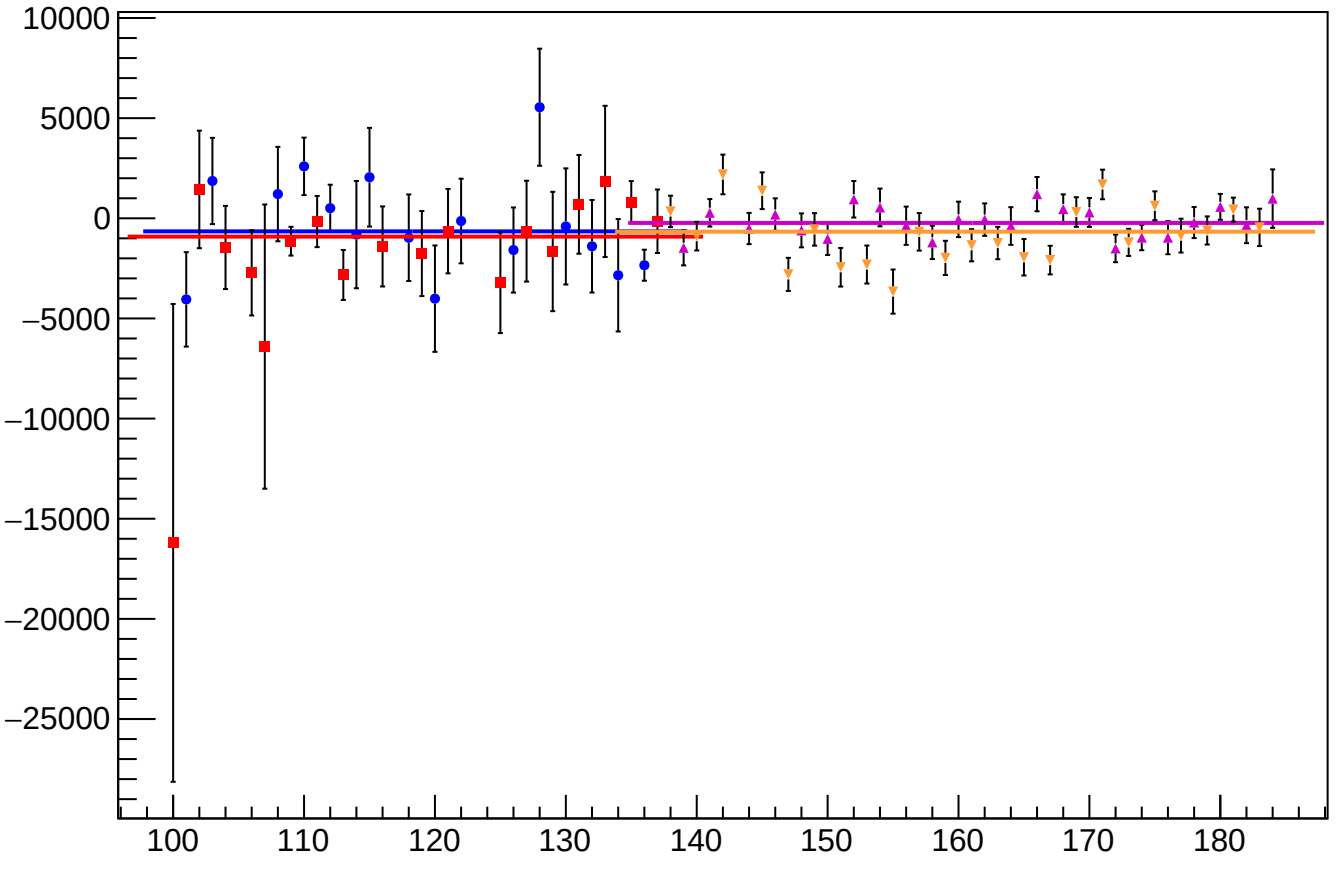
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.936+/-0.251 χ^2/NDF: 323861.5/38

All: 1785.941+/-0.177 χ^2/NDF: 452761.5/79

- sign 1785.946+/-0.250 χ^2/NDF: 128900.0/40



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

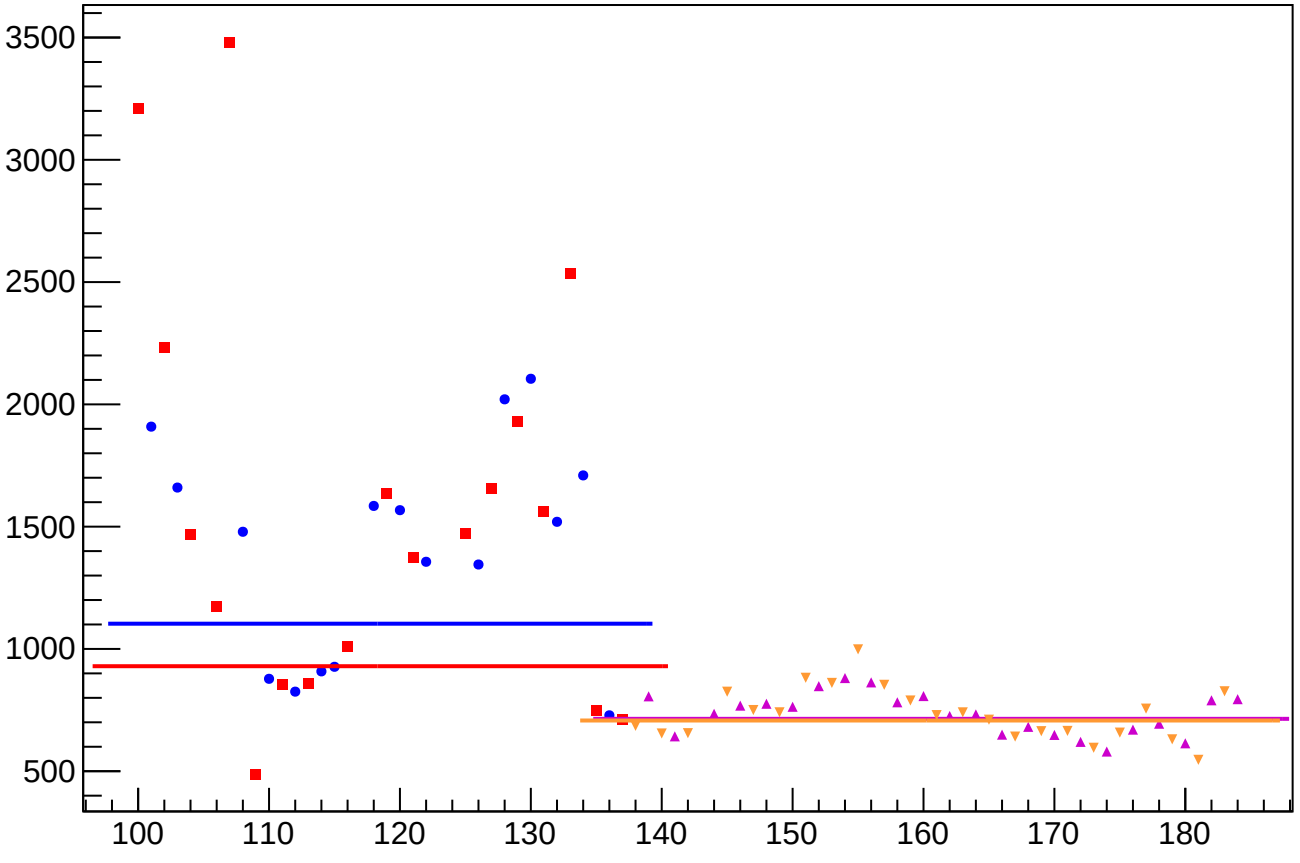
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -665.811+/-156.523 χ^2/NDF: 87.6/38

All: -499.277+/-110.046 χ^2/NDF: 123.8/79

- sign -336.492+/-154.751 χ^2/NDF: 34.0/40

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



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

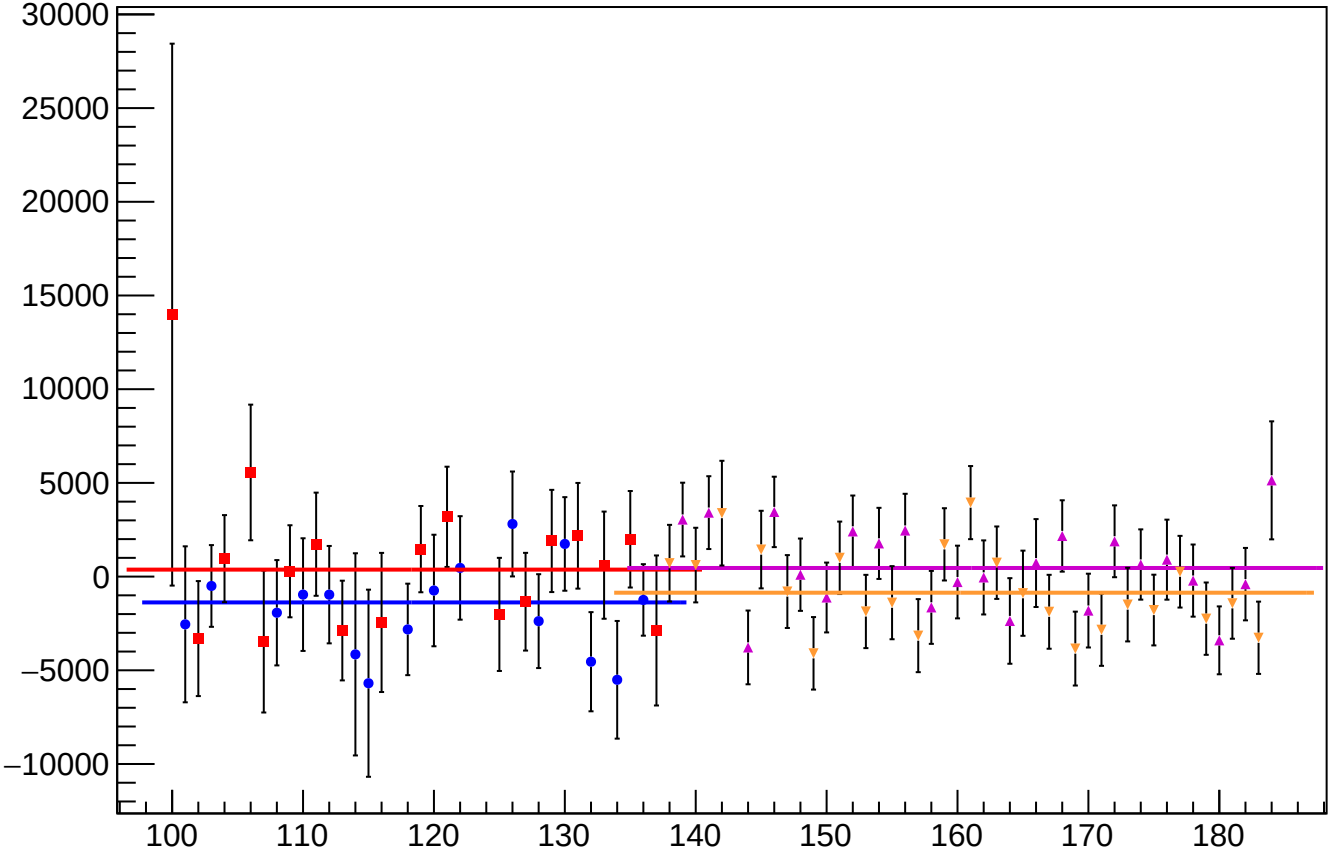
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 756.976+/-0.111 χ^2/NDF: 3972218.8/38

All: 752.163+/-0.078 χ^2/NDF: 8033095.3/79

- sign 747.457+/-0.109 χ^2/NDF: 4057135.9/40

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

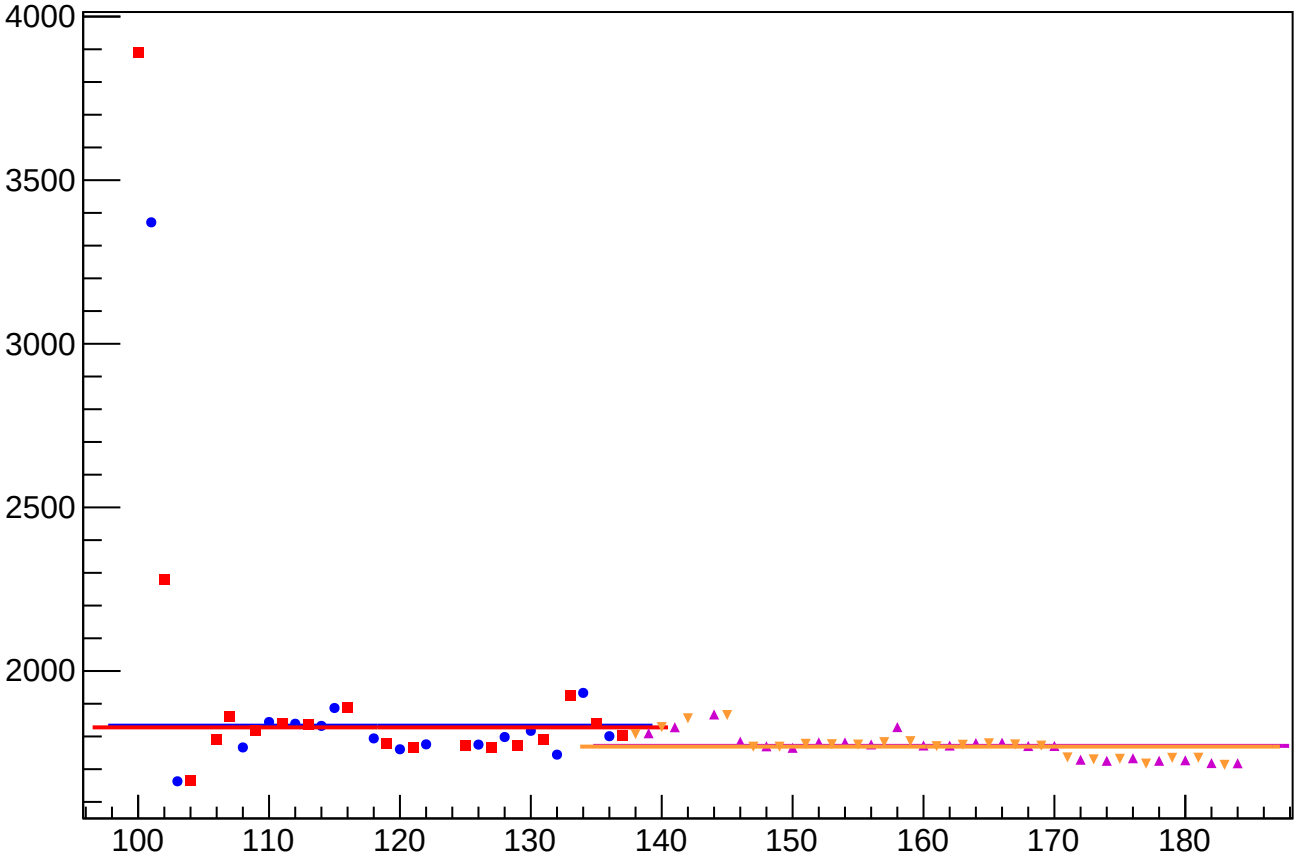
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -997.080+/-354.585 χ^2/NDF: 34.8/38

All: -279.233+/-250.525 χ^2/NDF: 82.3/79

- sign 436.272+/-354.007 χ^2/NDF: 39.2/40

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

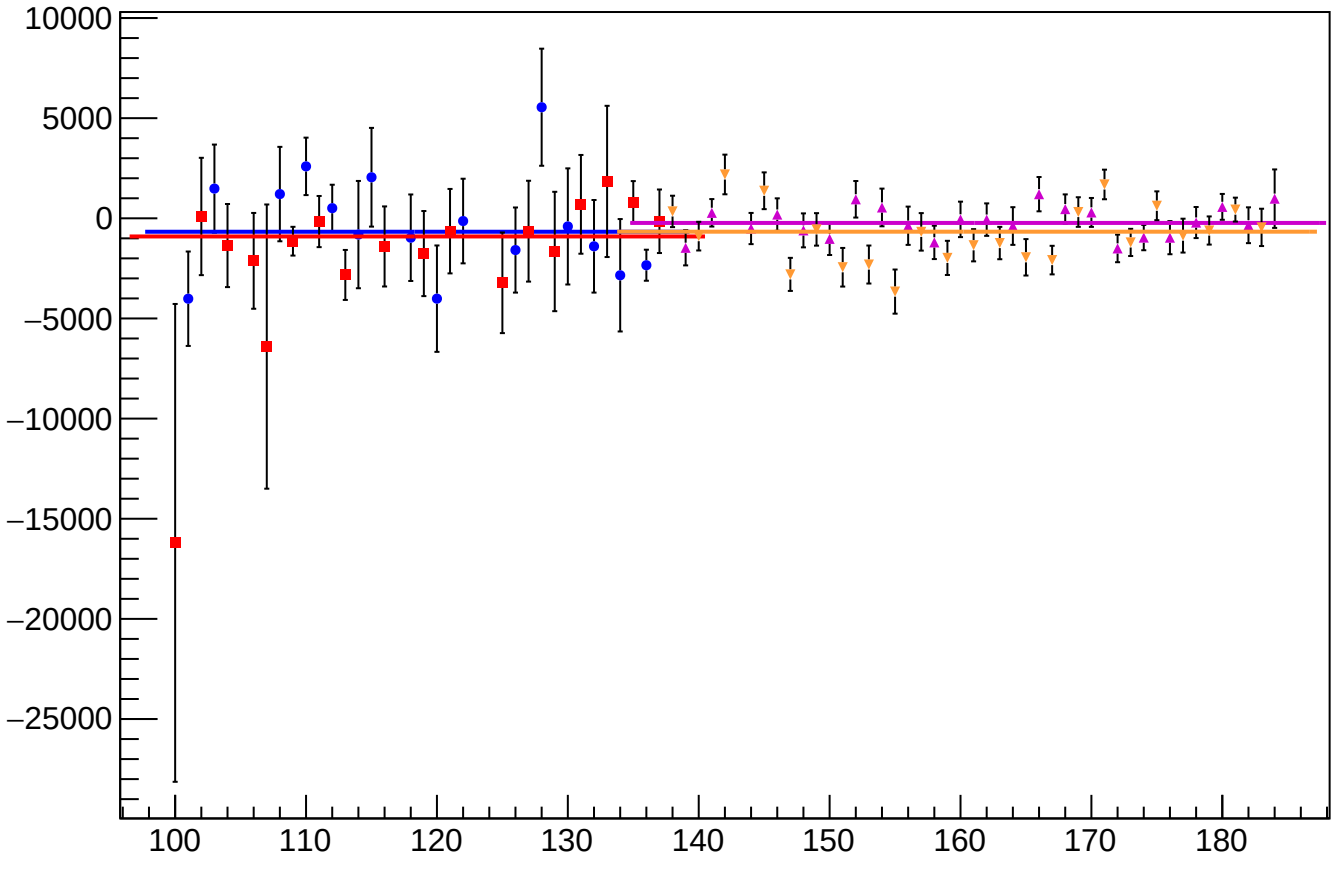
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

\+ sign 1785.936+/-0.251 χ^2/NDF: 323863.3/38

All: 1786.144+/-0.177 χ^2/NDF: 452568.1/79

\- sign 1786.352+/-0.250 χ^2/NDF: 128703.3/40



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -667.786+/-167.362 χ^2/NDF:64.3/22

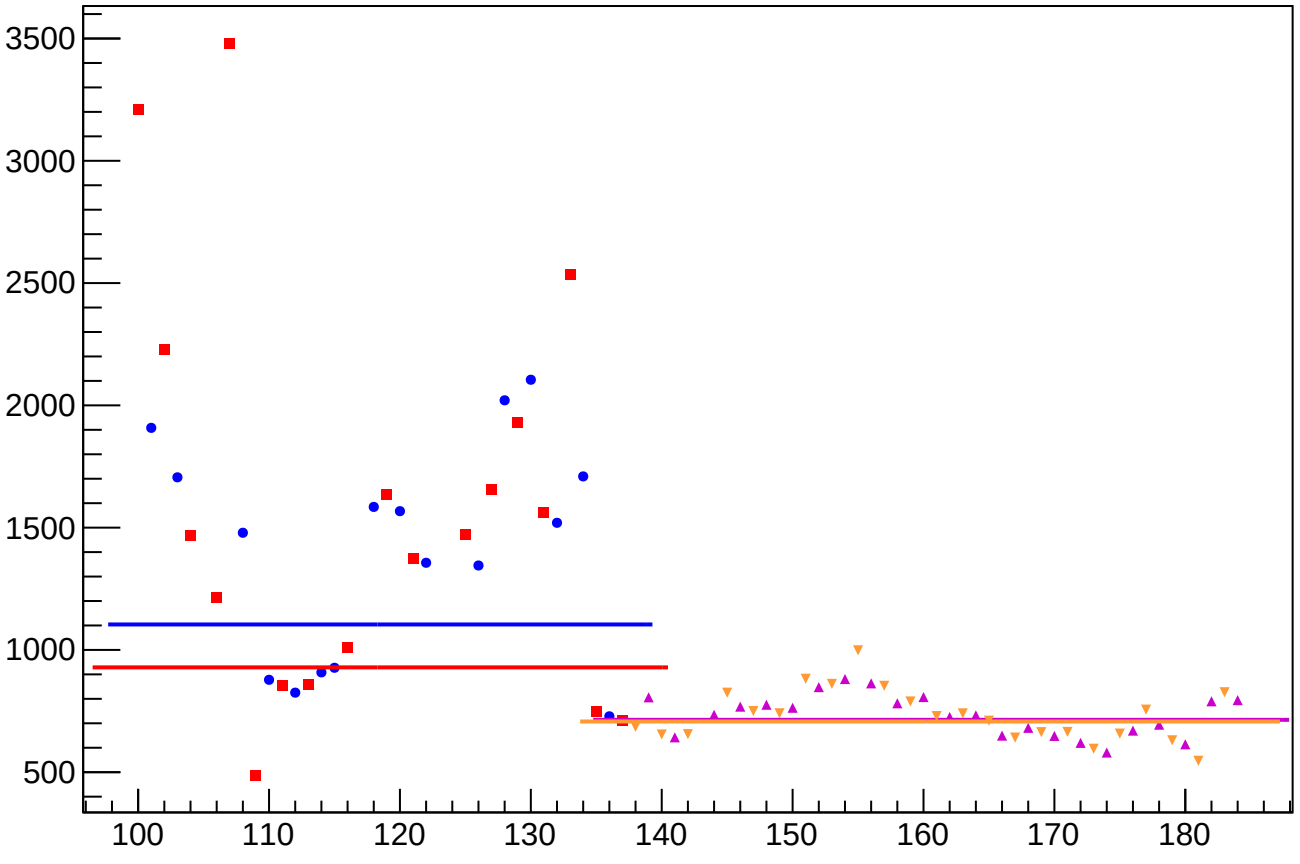
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -668.131+/-156.540 χ^2/NDF: 87.1/38

All: -499.457+/-110.083 χ^2/NDF: 122.3/79

- sign -334.435+/-154.836 χ^2/NDF: 32.9/40



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

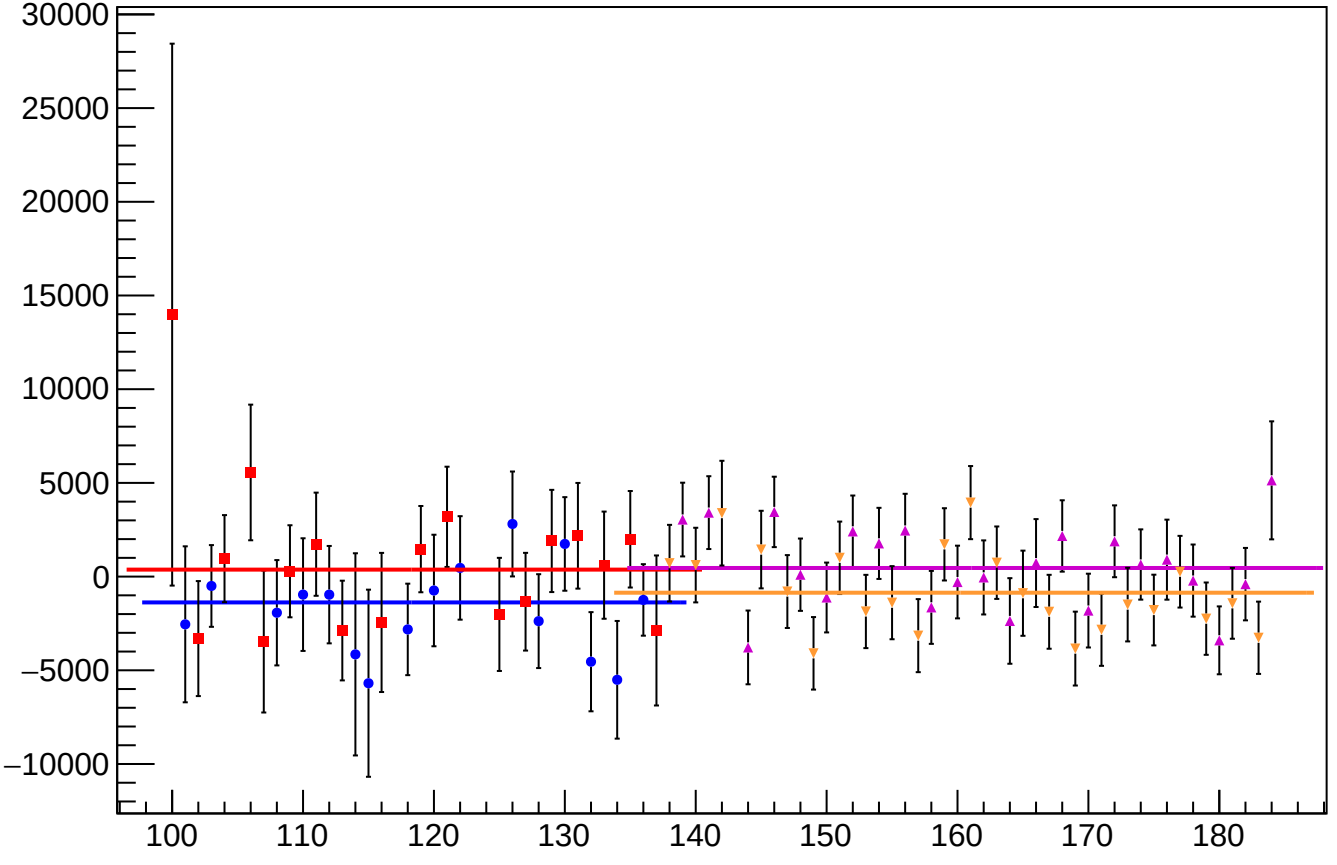
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

\+ sign 757.024+/-0.111 χ^2/NDF: 3992913.0/38

All: 752.034+/-0.078 χ^2/NDF: 8047926.0/79

\- sign 747.152+/-0.109 χ^2/NDF: 4050992.7/40

eigen_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

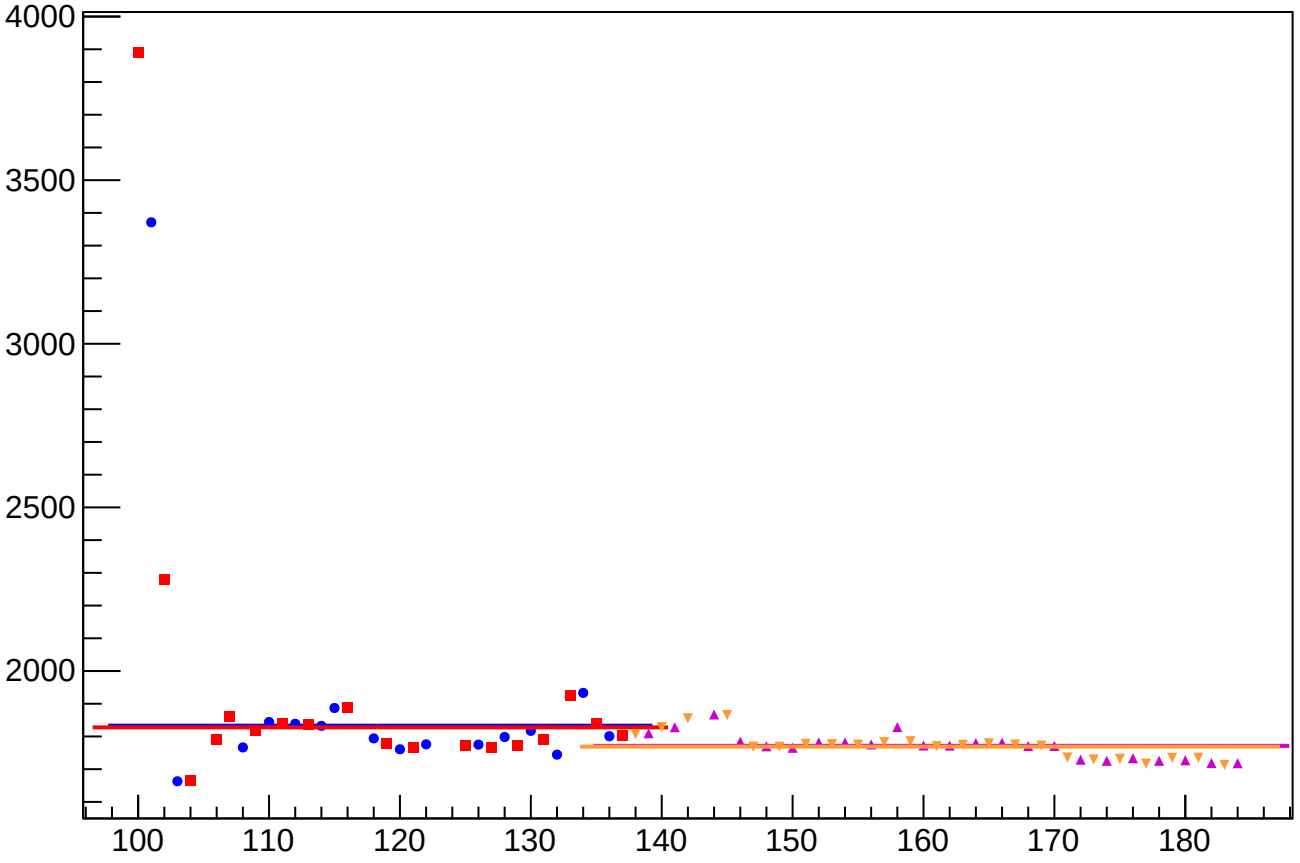
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -997.080+/-354.585 χ^2/NDF: 34.8/38

All: -279.233+/-250.525 χ^2/NDF: 82.3/79

- sign 436.272+/-354.007 χ^2/NDF: 39.2/40

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

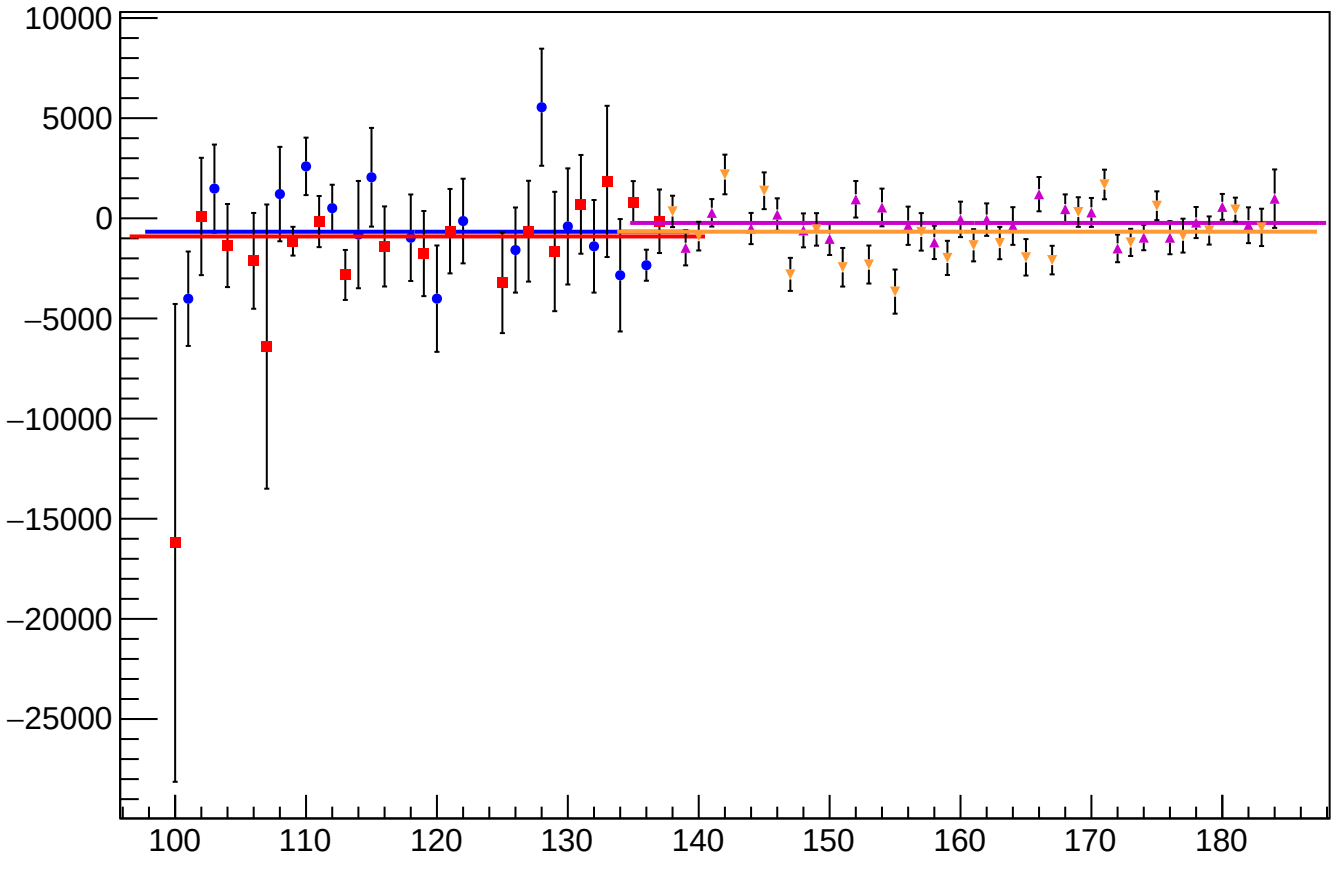
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.936+/-0.251 χ^2/NDF: 323863.3/38

All: 1786.144+/-0.177 χ^2/NDF: 452568.1/79

- sign 1786.352+/-0.250 χ^2/NDF: 128703.3/40



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -667.786+/-167.362 χ^2/NDF:64.3/22

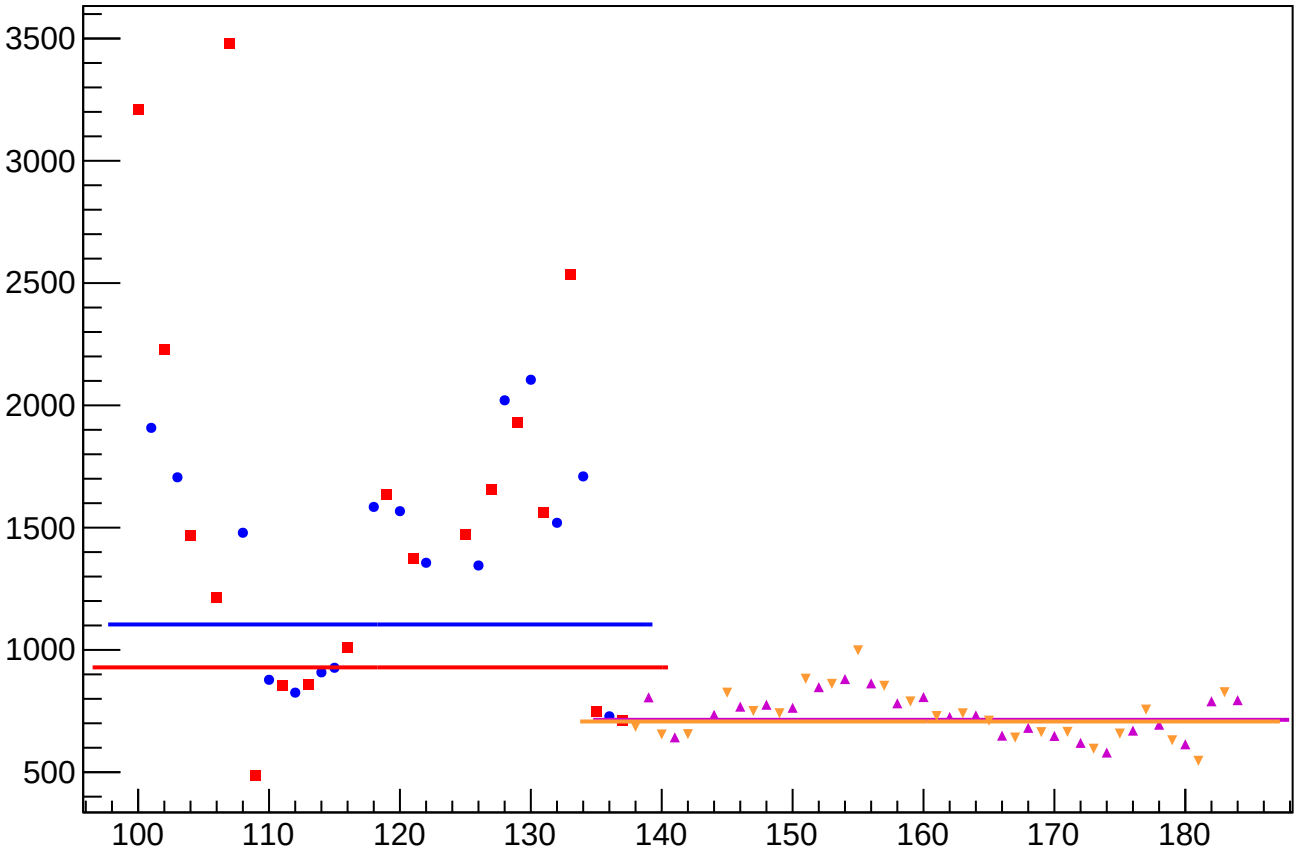
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -668.131+/-156.540 χ^2/NDF: 87.1/38

All: -499.457+/-110.083 χ^2/NDF: 122.3/79

- sign -334.435+/-154.836 χ^2/NDF: 32.9/40



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 707.376+/-0.118 χ^2/NDF:692018.5/22

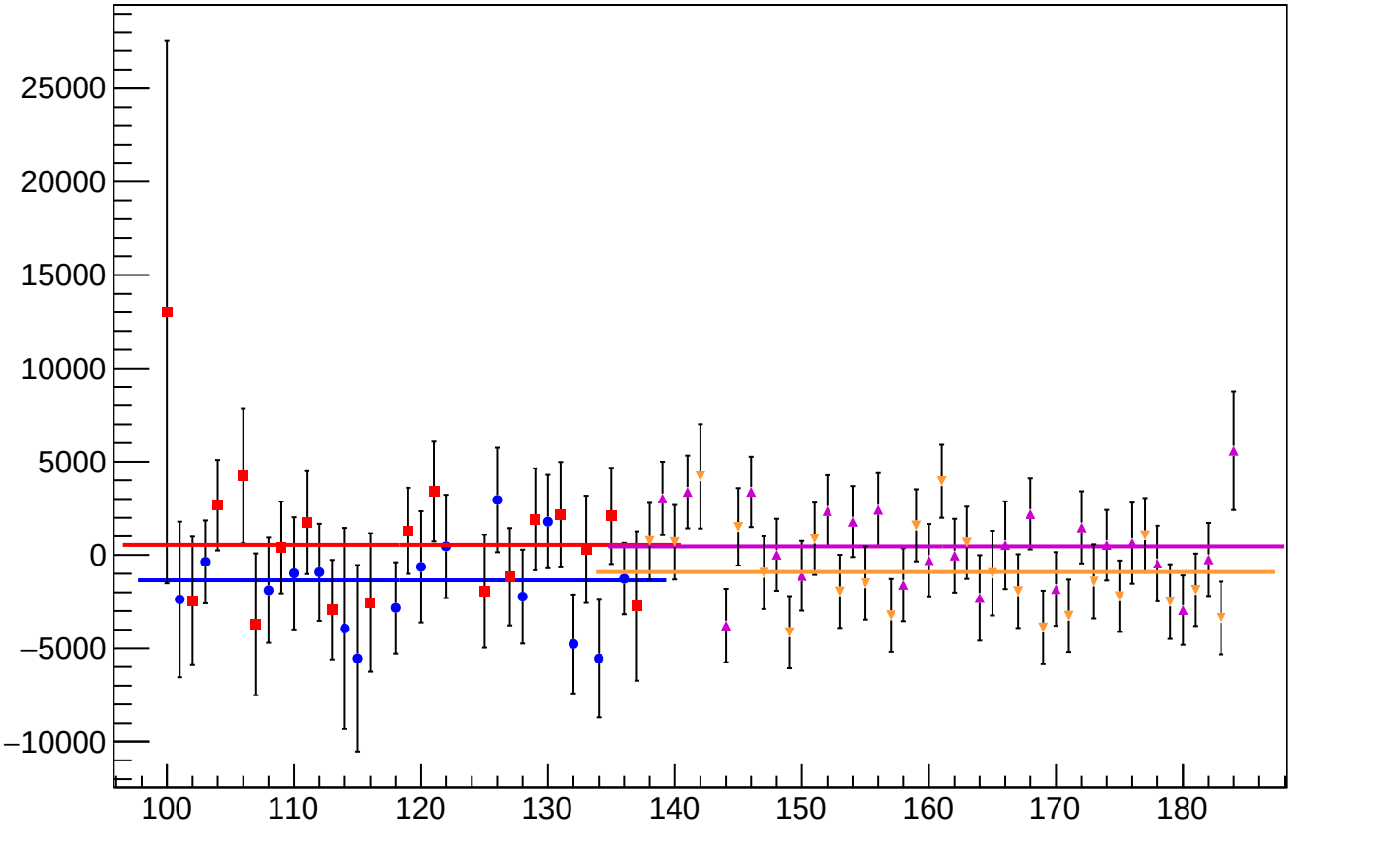
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

\+ sign 757.024+/-0.111 χ^2/NDF: 3992913.0/38

All: 752.034+/-0.078 χ^2/NDF: 8047926.0/79

\- sign 747.152+/-0.109 χ^2/NDF: 4050992.7/40



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

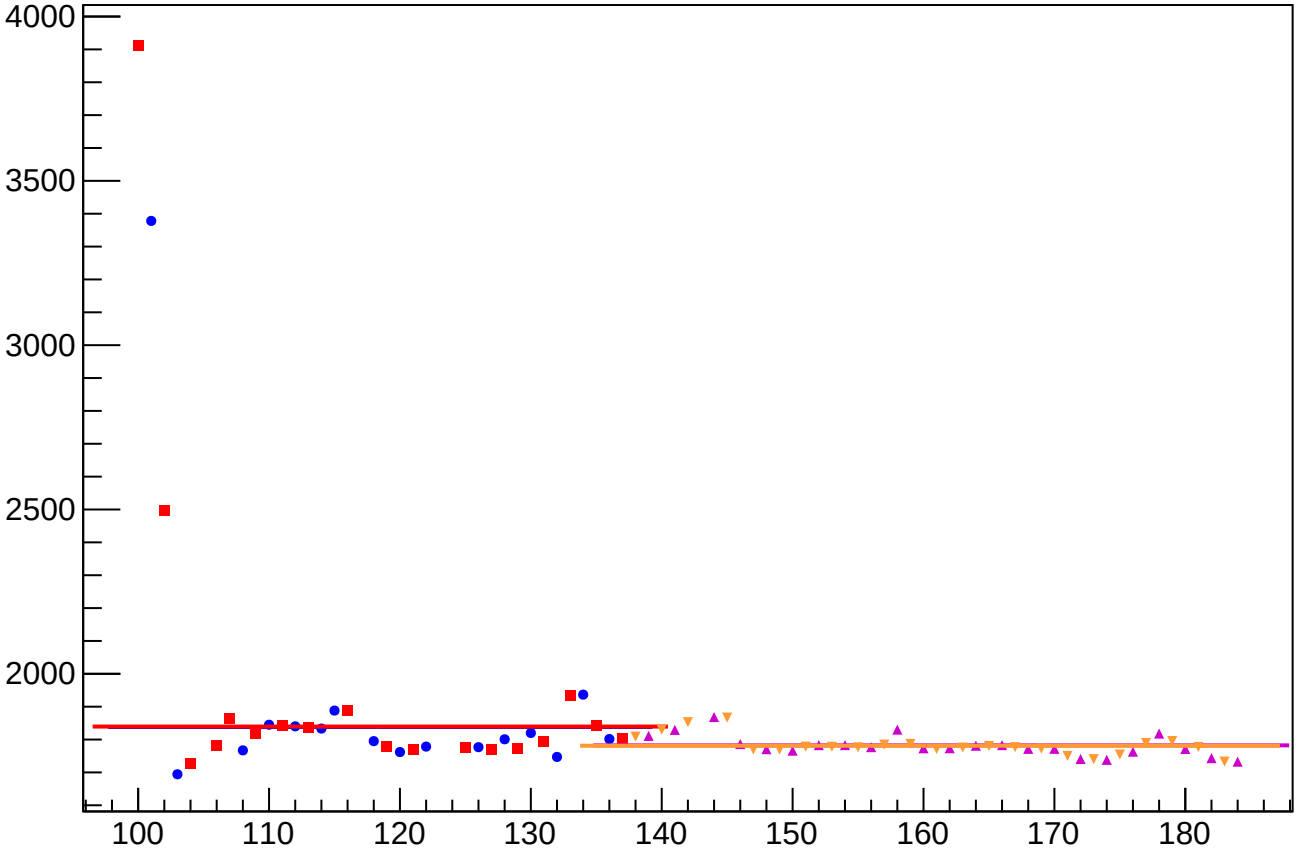
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -1024.126+/-356.615 χ^2/NDF: 37.9/38

All: -274.468+/-252.131 χ^2/NDF: 83.6/79

- sign 474.790+/-356.520 χ^2/NDF: 36.9/40

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

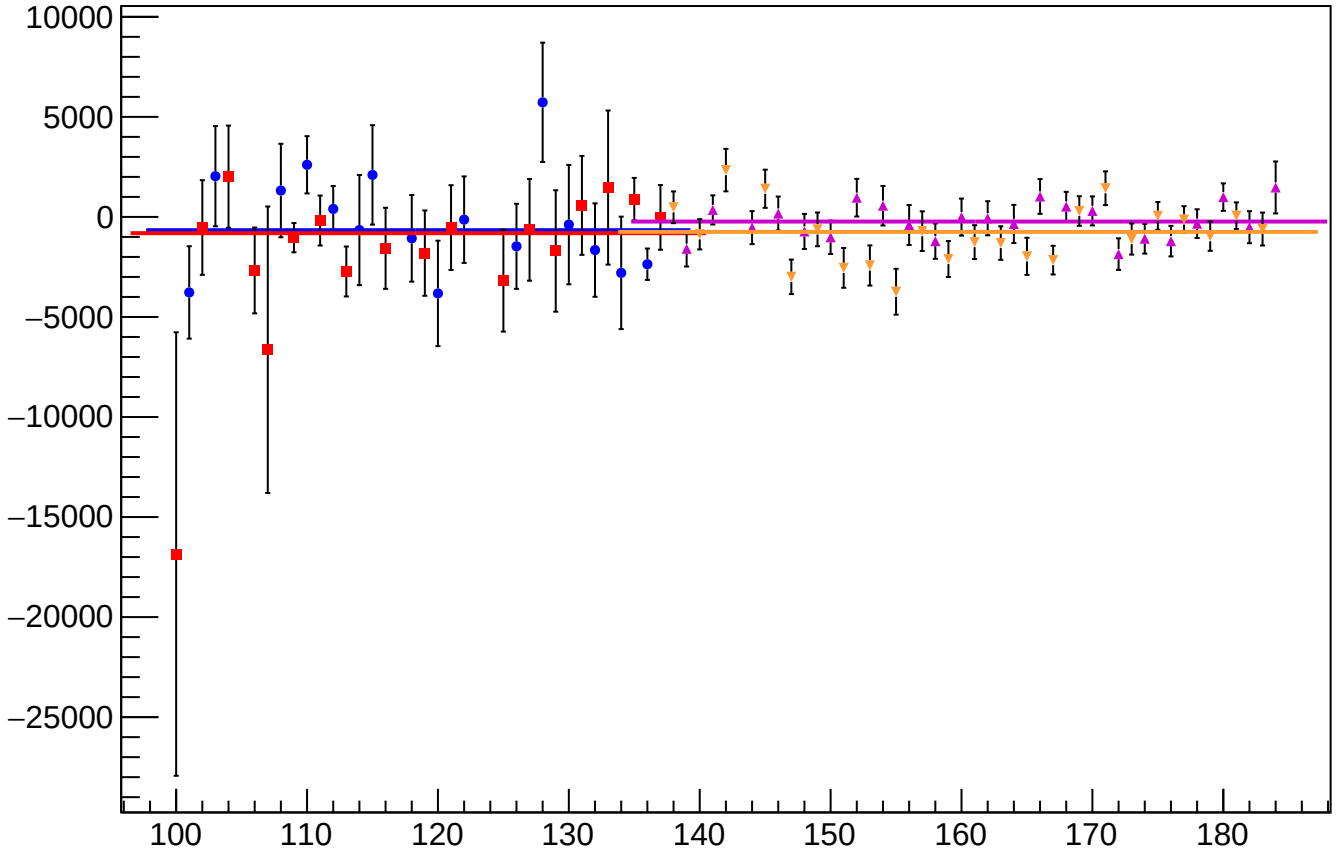
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1796.333+/-0.252 χ^2/NDF: 311697.5/38

All: 1796.932+/-0.178 χ^2/NDF: 461258.2/79

- sign 1797.531+/-0.252 χ^2/NDF: 149549.4/40



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

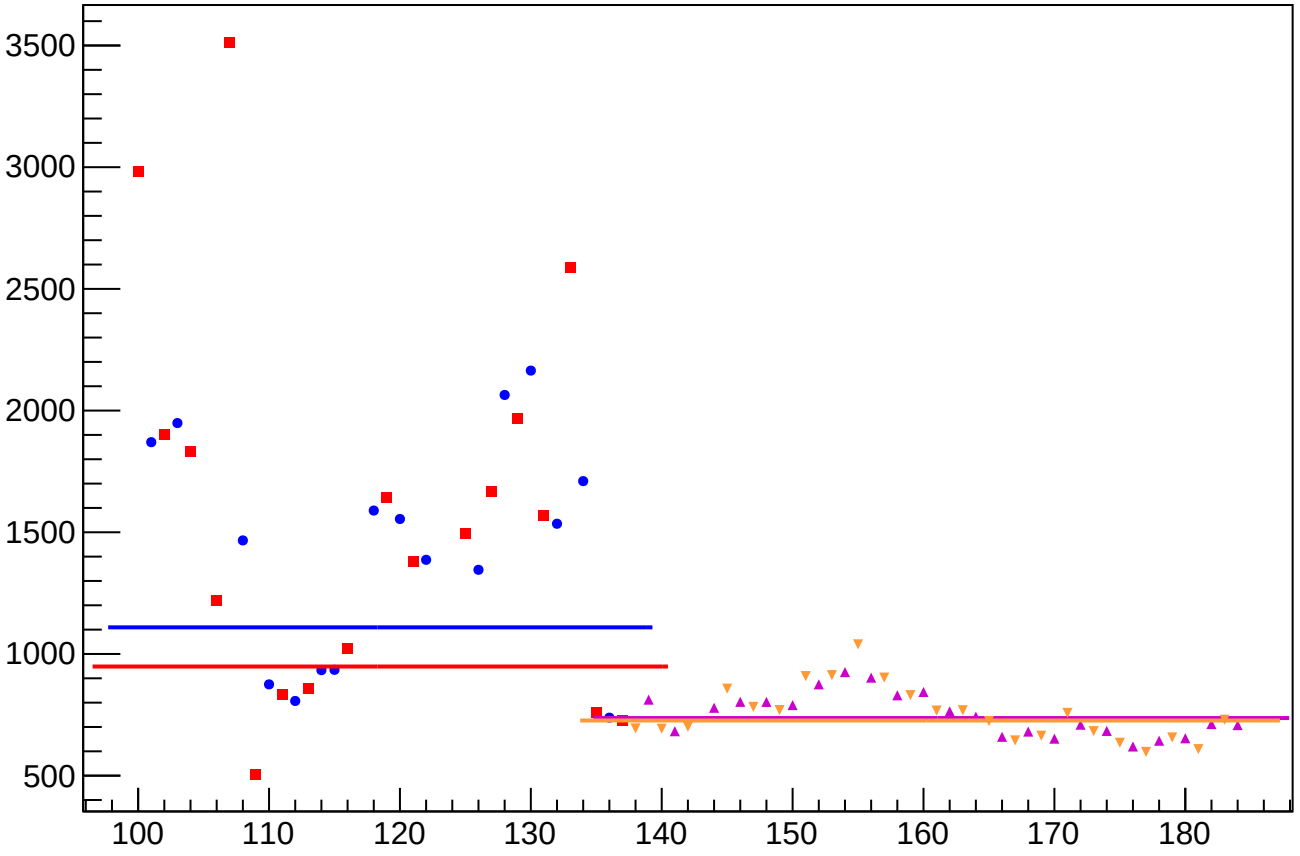
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

\+ sign -736.763+/-160.353 χ^2/NDF: 79.9/38

All: -528.731+/-112.885 χ^2/NDF: 121.4/79

\- sign -324.339+/-158.943 χ^2/NDF: 38.1/40

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



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

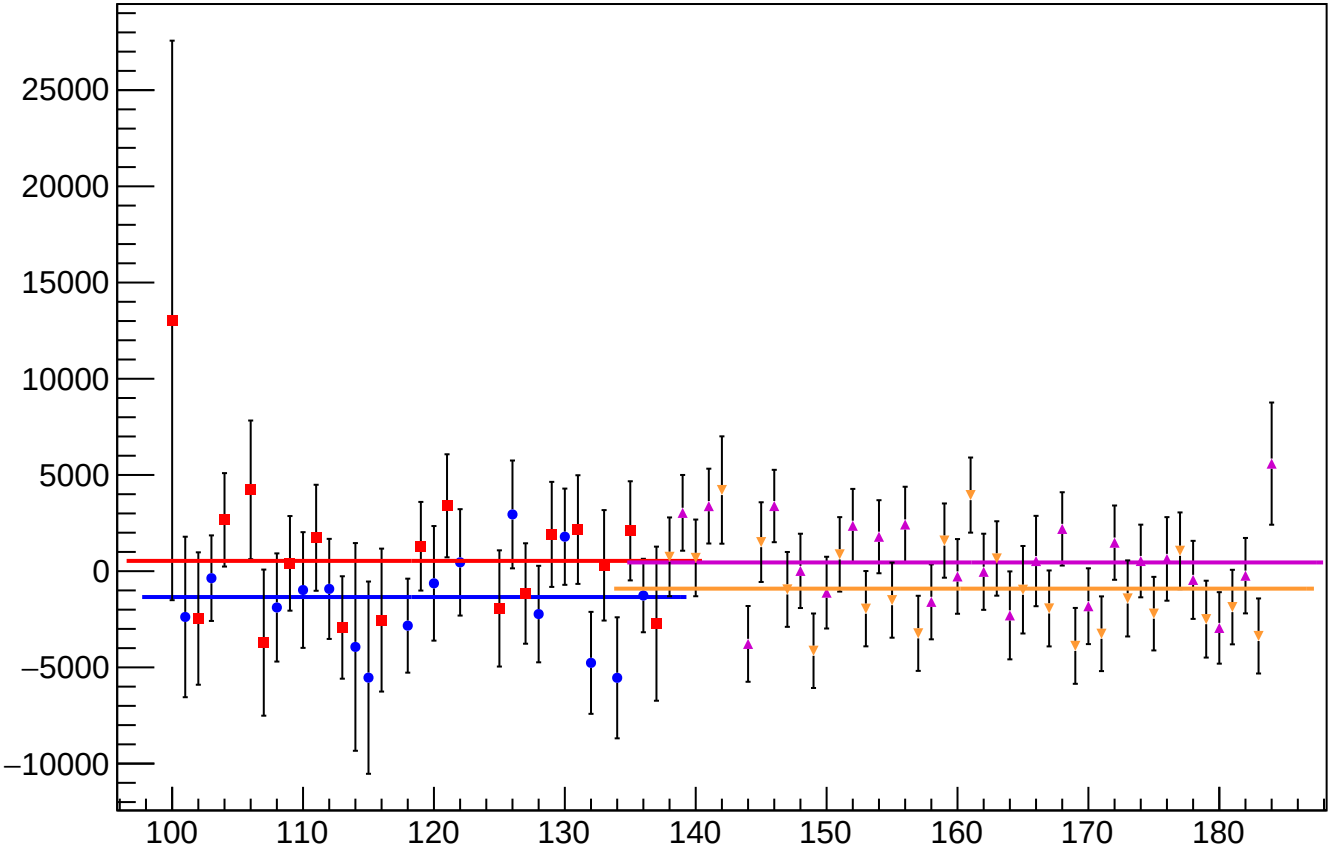
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

\+ sign 776.165+/-0.113 χ^2/NDF: 3940725.1/38

All: 773.366+/-0.080 χ^2/NDF: 7937963.7/79

\- sign 770.615+/-0.112 χ^2/NDF: 3996030.1/40

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



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

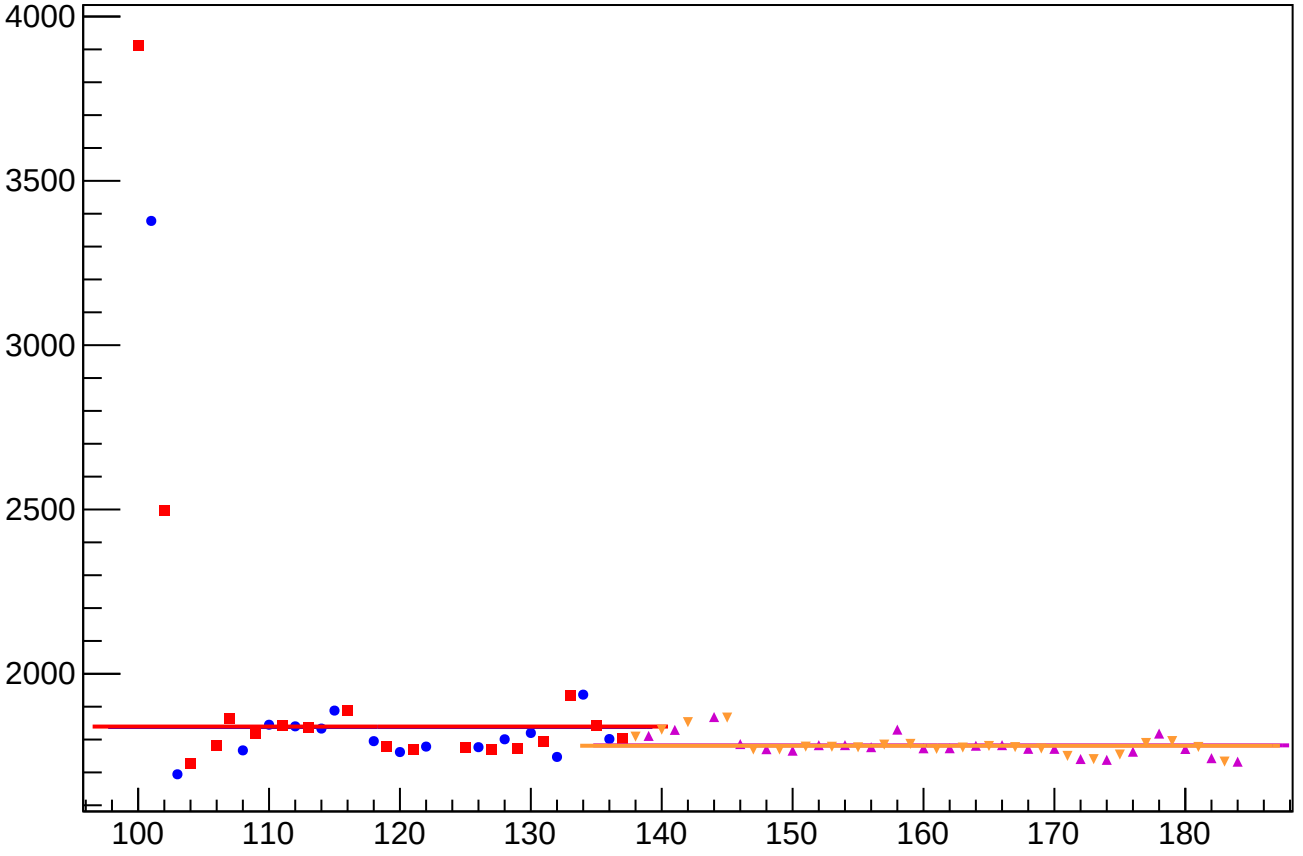
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -1024.125+/-356.615 χ^2/NDF: 37.9/38

All: -274.468+/-252.131 χ^2/NDF: 83.6/79

- sign 474.791+/-356.520 χ^2/NDF: 36.9/40

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

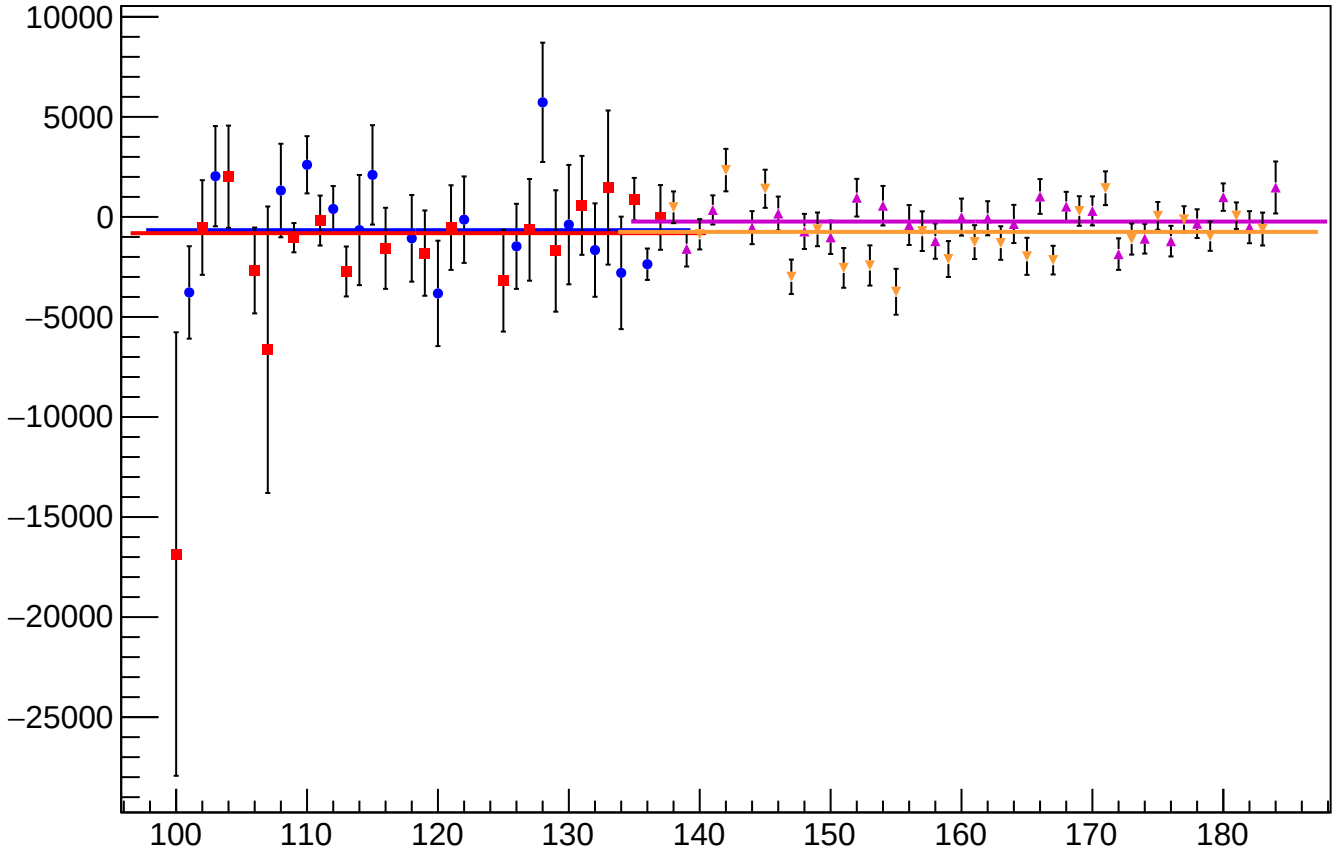
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1796.332+/-0.252 χ^2/NDF: 311697.5/38

All: 1796.932+/-0.178 χ^2/NDF: 461258.3/79

- sign 1797.531+/-0.252 χ^2/NDF: 149549.5/40



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -747.648+/-171.849 χ^2/NDF:57.1/22

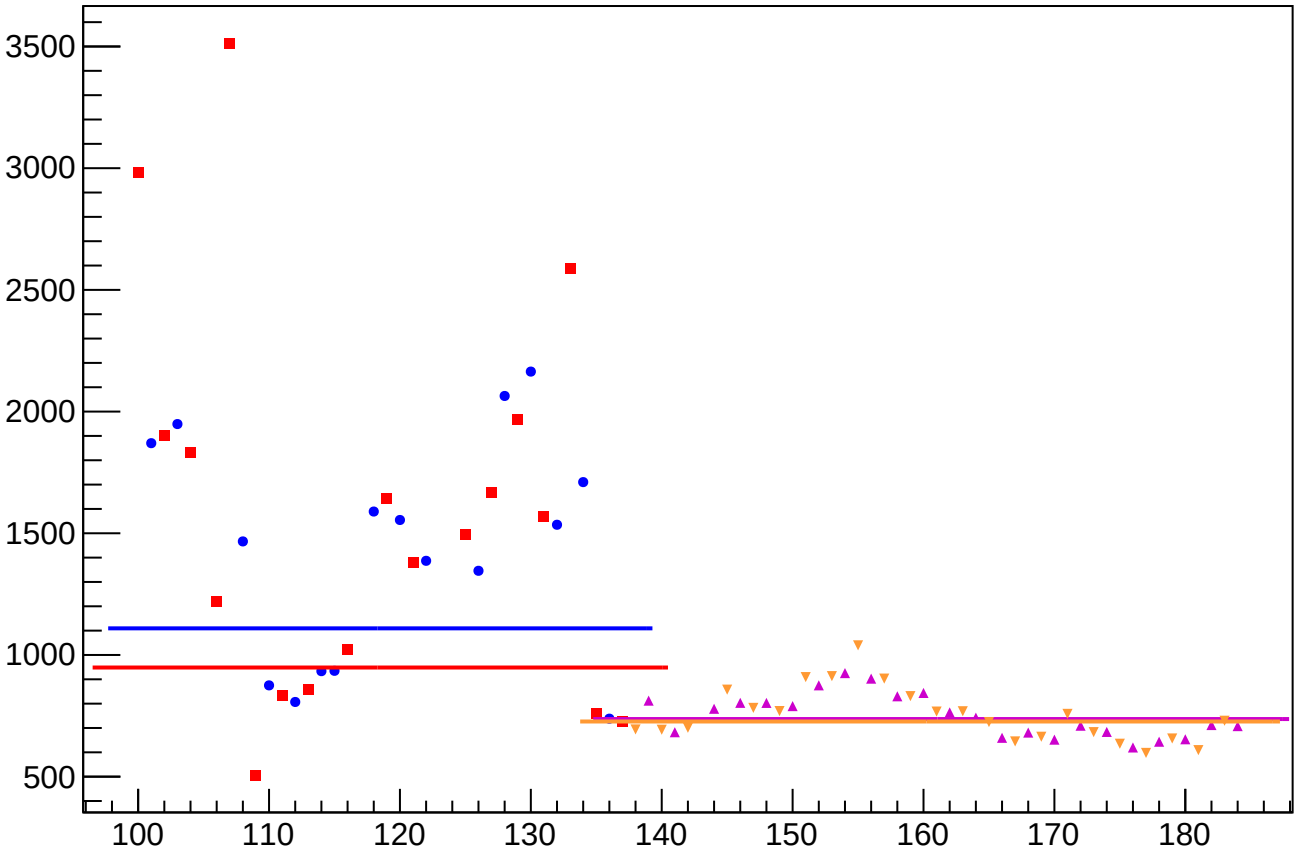
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -736.763+/-160.353 χ^2/NDF: 79.9/38

All: -528.730+/-112.885 χ^2/NDF: 121.4/79

- sign -324.338+/-158.943 χ^2/NDF: 38.1/40



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

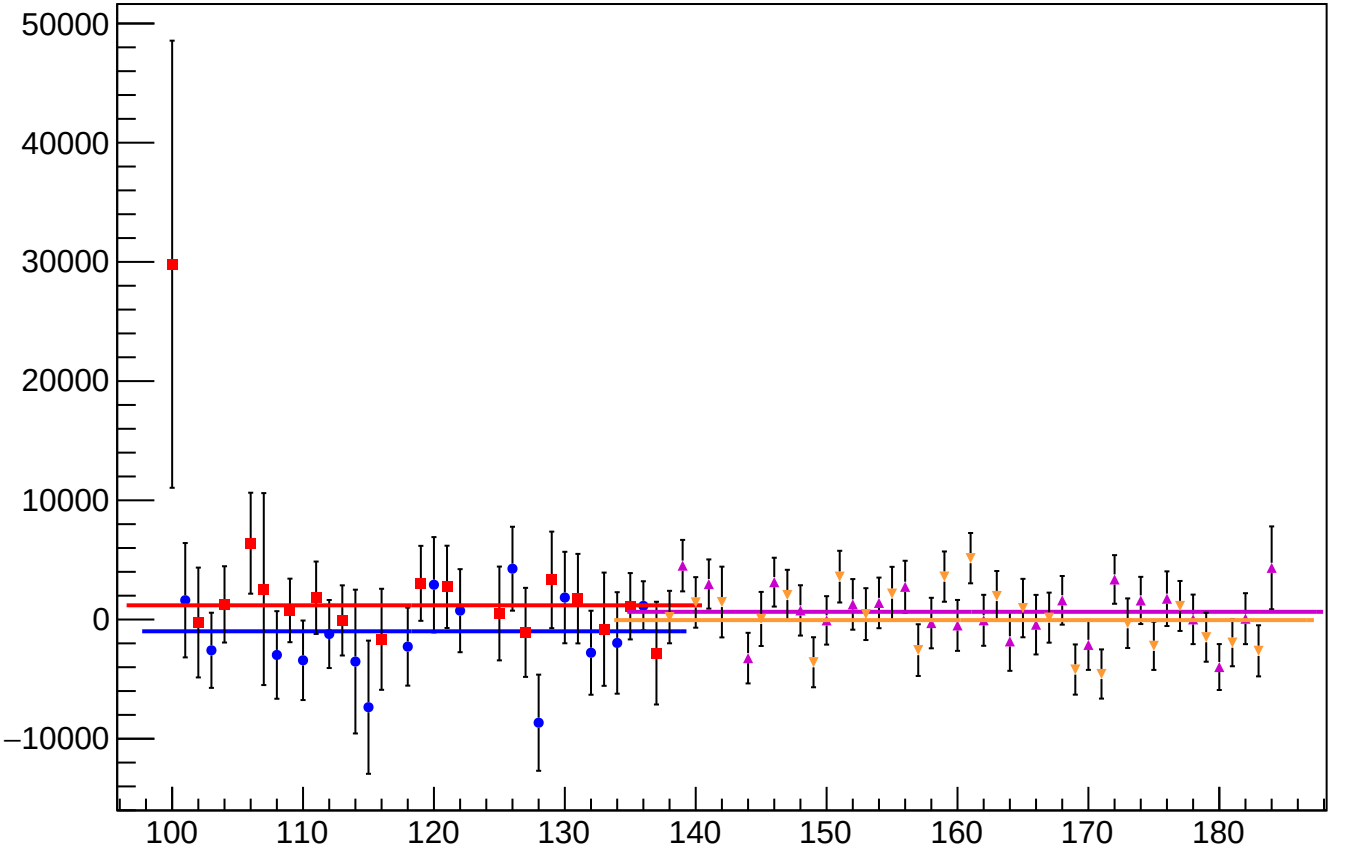
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

\+ sign 776.166+/-0.113 χ^2/NDF: 3940697.3/38

All: 773.366+/-0.080 χ^2/NDF: 7937934.5/79

\- sign 770.615+/-0.112 χ^2/NDF: 3996028.4/40

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

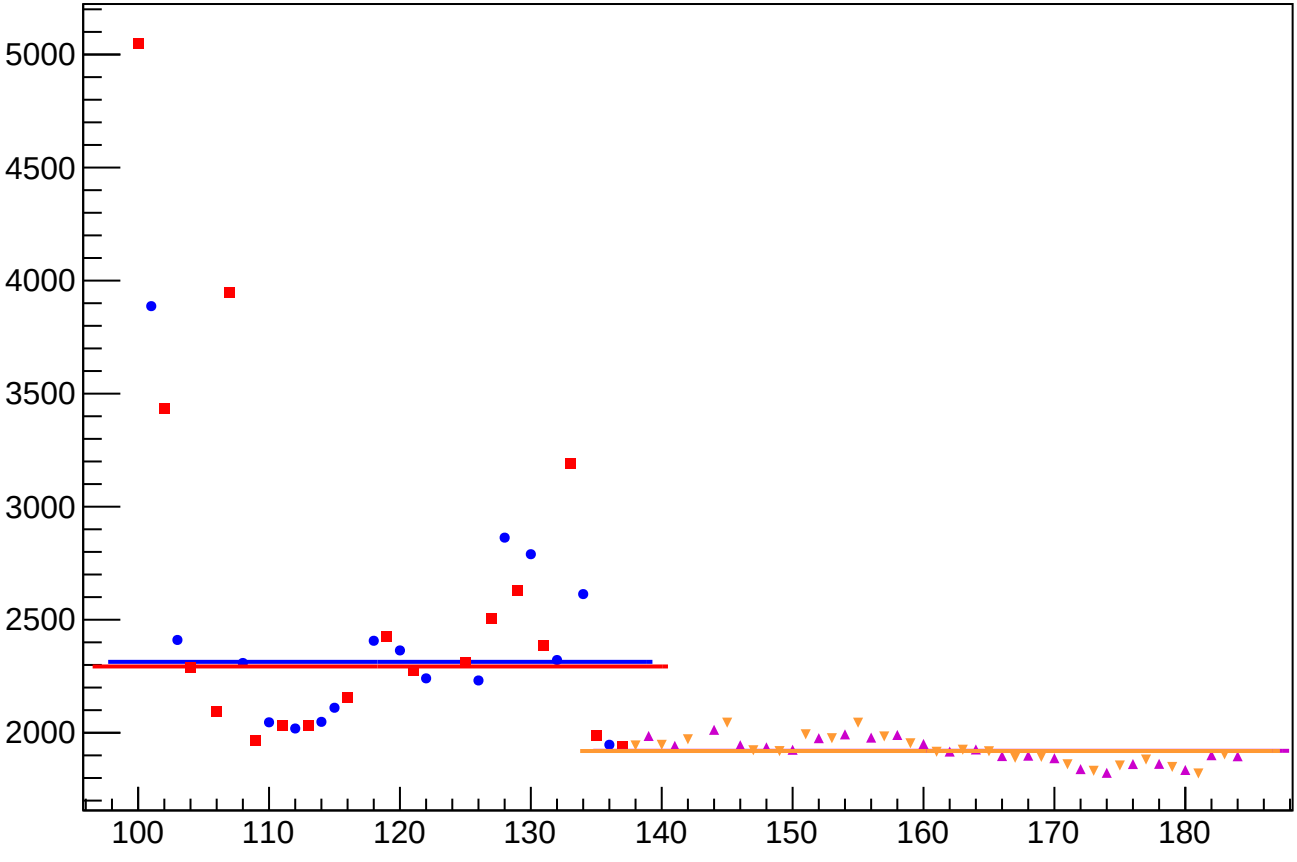
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -245.158+/-399.244 χ^2/NDF: 45.8/38

All: 258.748+/-282.121 χ^2/NDF: 80.0/79

- sign 761.318+/-398.714 χ^2/NDF: 30.9/40

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

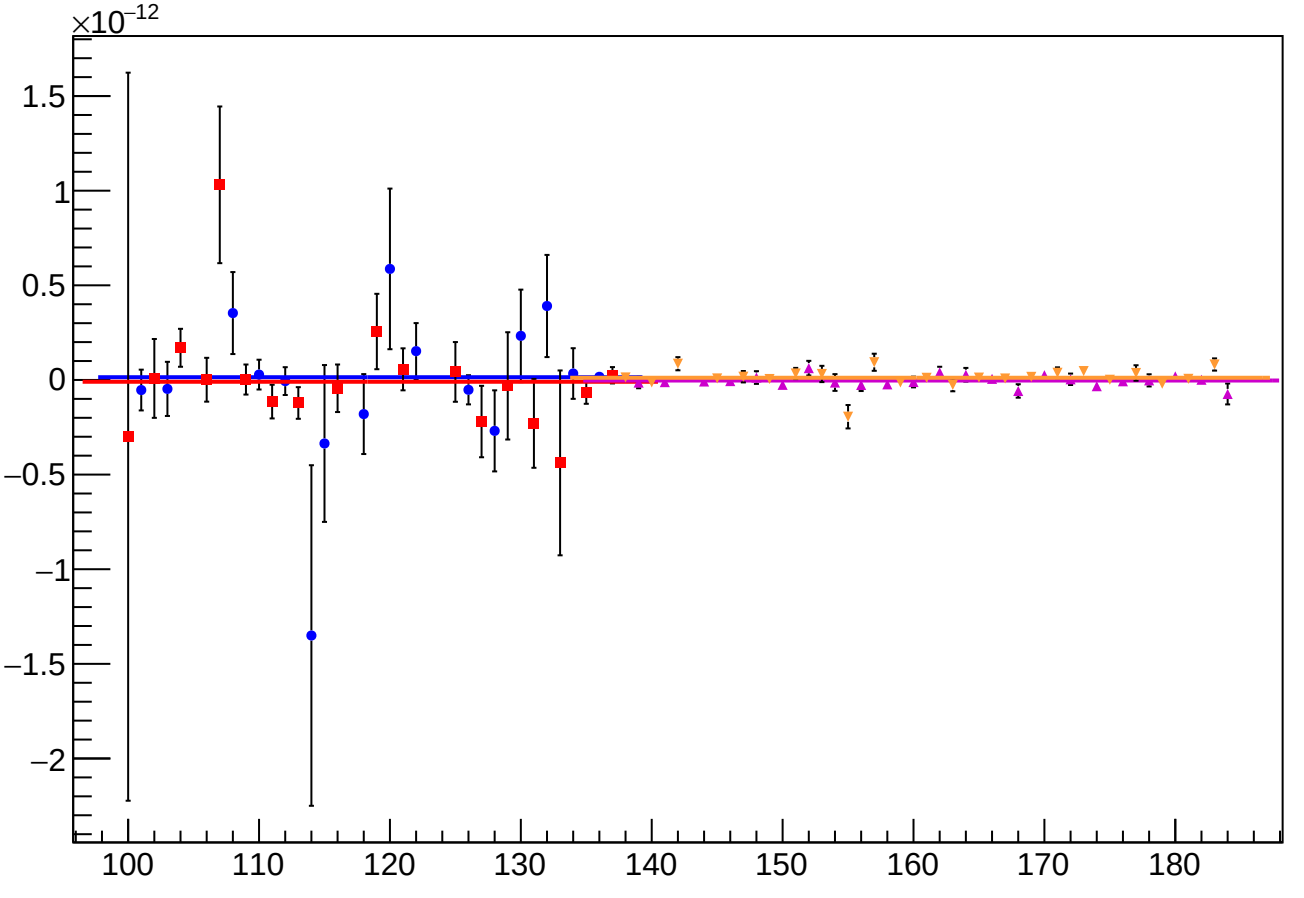
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2001.642+/-0.282 χ^2/NDF: 760685.7/38

All: 2000.065+/-0.199 χ^2/NDF: 1534161.1/79

- sign 1998.492+/-0.282 χ^2/NDF: 773413.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.8/22

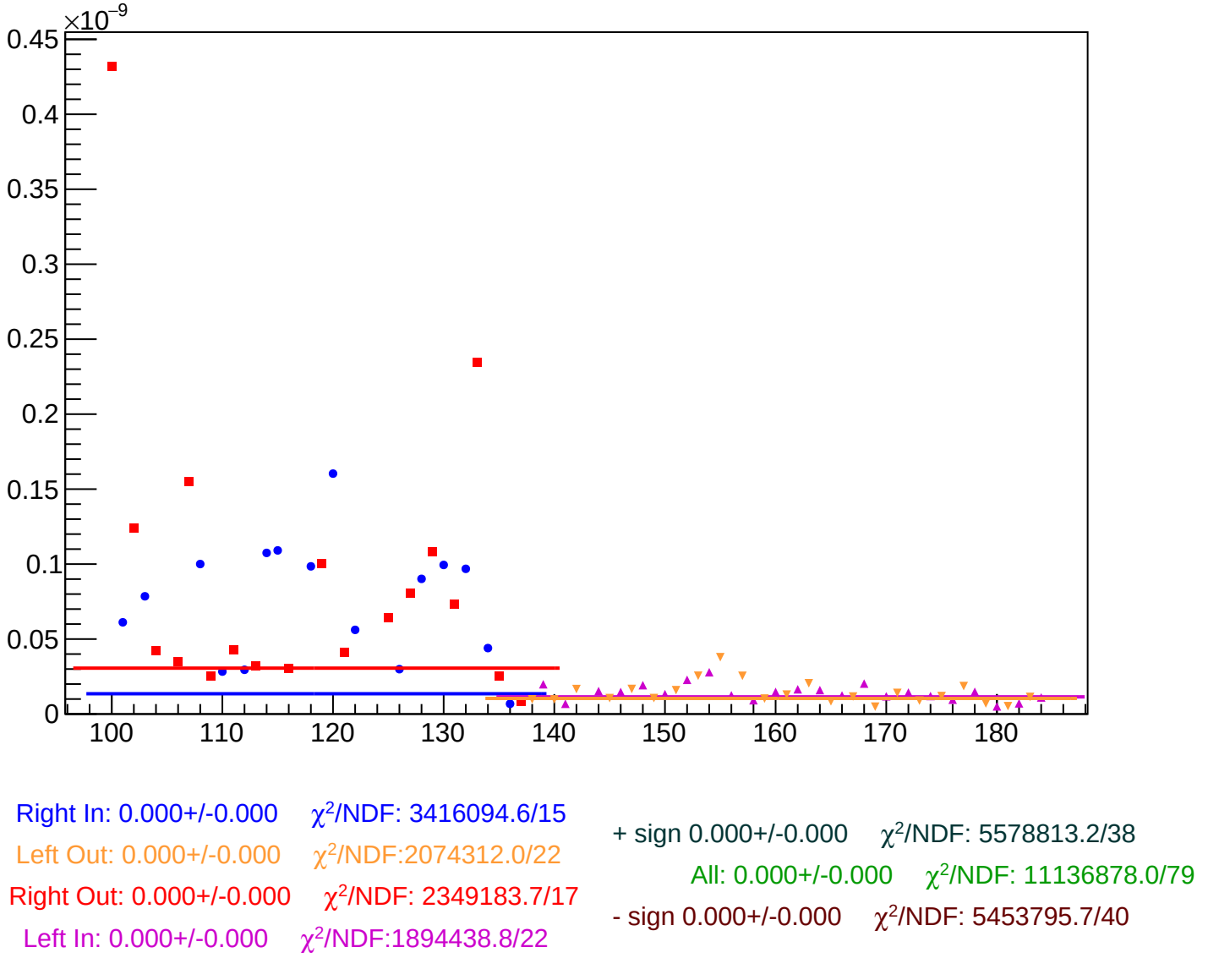
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

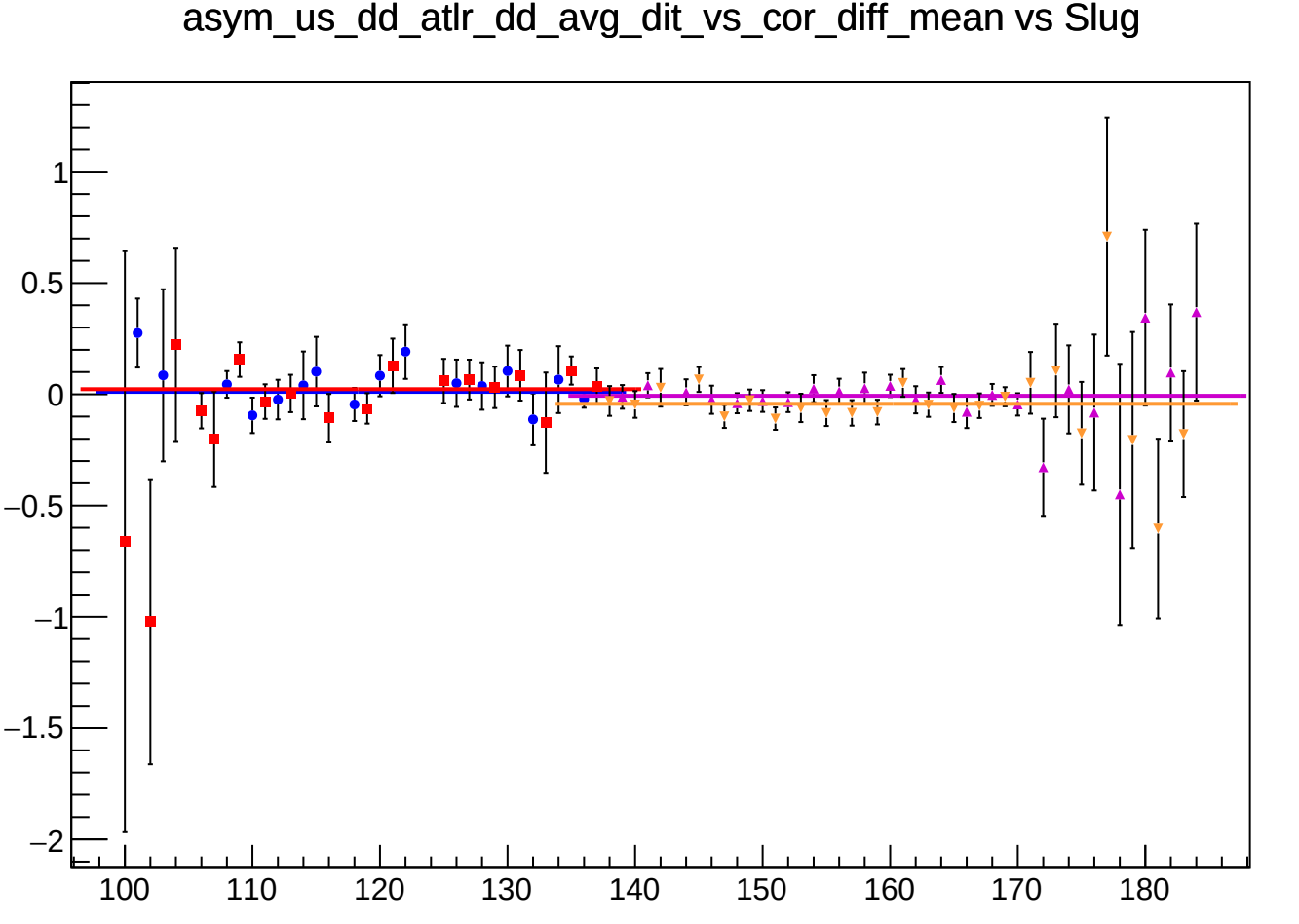
Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/38

All: 0.000+/-0.000 χ^2/NDF: 96.1/79

- sign -0.000+/-0.000 χ^2/NDF: 39.1/40


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:1894438.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5578813.2/38
All: 0.000+/-0.000 χ²/NDF: 11136878.0/79
- sign 0.000+/-0.000 χ²/NDF: 5453795.7/40



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:17.6/22

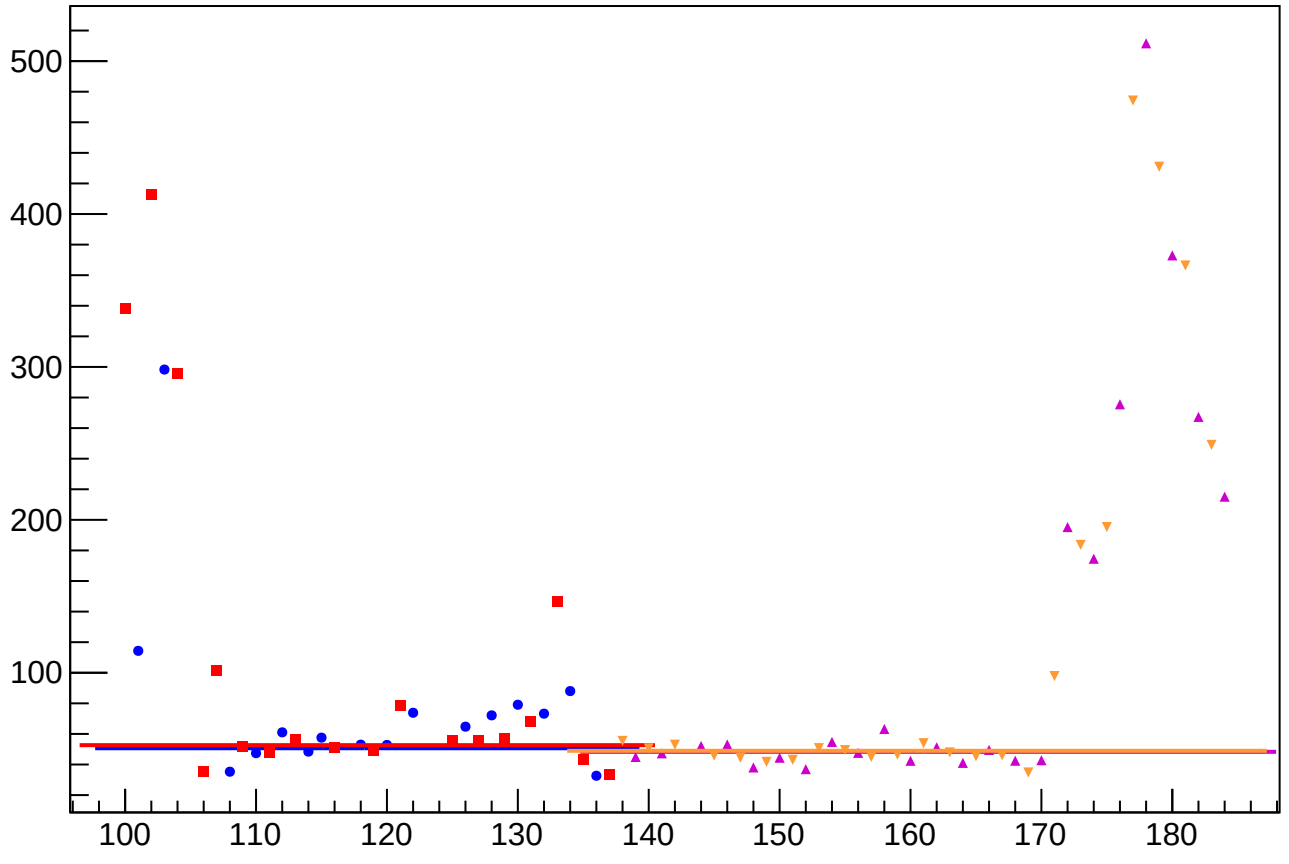
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 33.7/38

All: -0.013+/-0.008 χ^2/NDF: 65.0/79

- sign 0.001+/-0.012 χ^2/NDF: 28.5/40



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.974+/-0.010 χ^2/NDF:6988599.8/22

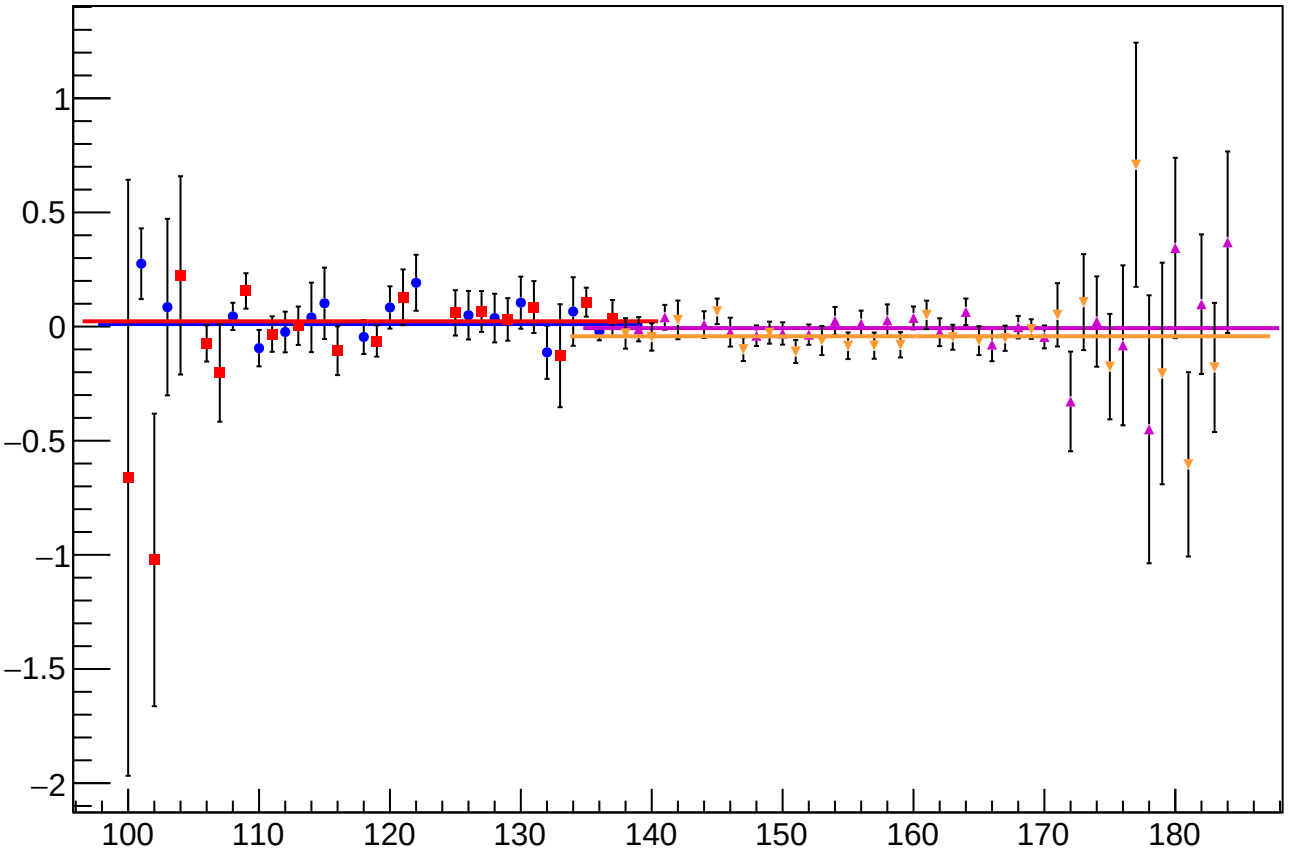
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 49.455+/-0.008 χ^2/NDF: 9263359.3/38

All: 49.437+/-0.006 χ^2/NDF: 18568975.2/79

- sign 49.419+/-0.008 χ^2/NDF: 9305606.0/40



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:17.6/22

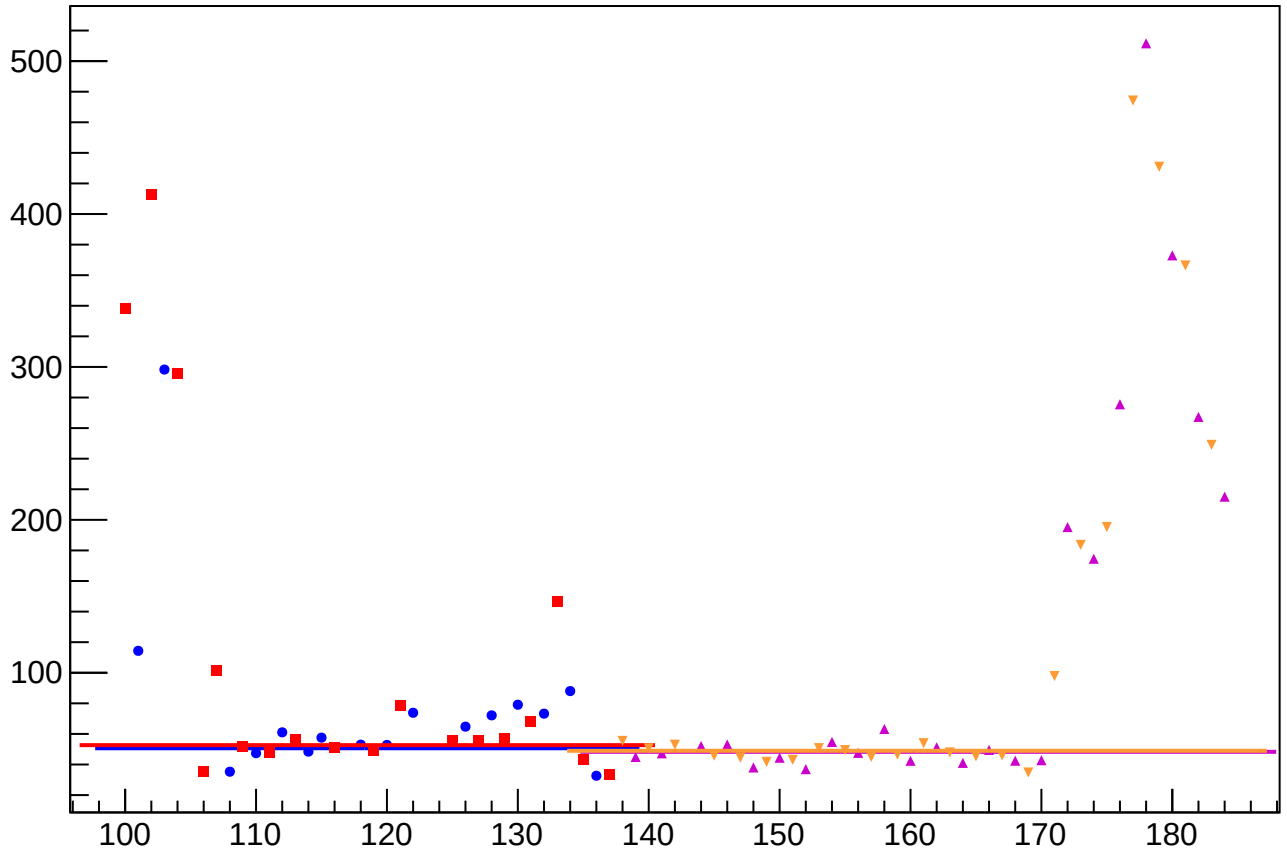
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 33.7/38

All: -0.013+/-0.008 χ^2/NDF: 65.0/79

- sign 0.001+/-0.012 χ^2/NDF: 28.5/40



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.974+/-0.010 χ^2/NDF:6988599.8/22

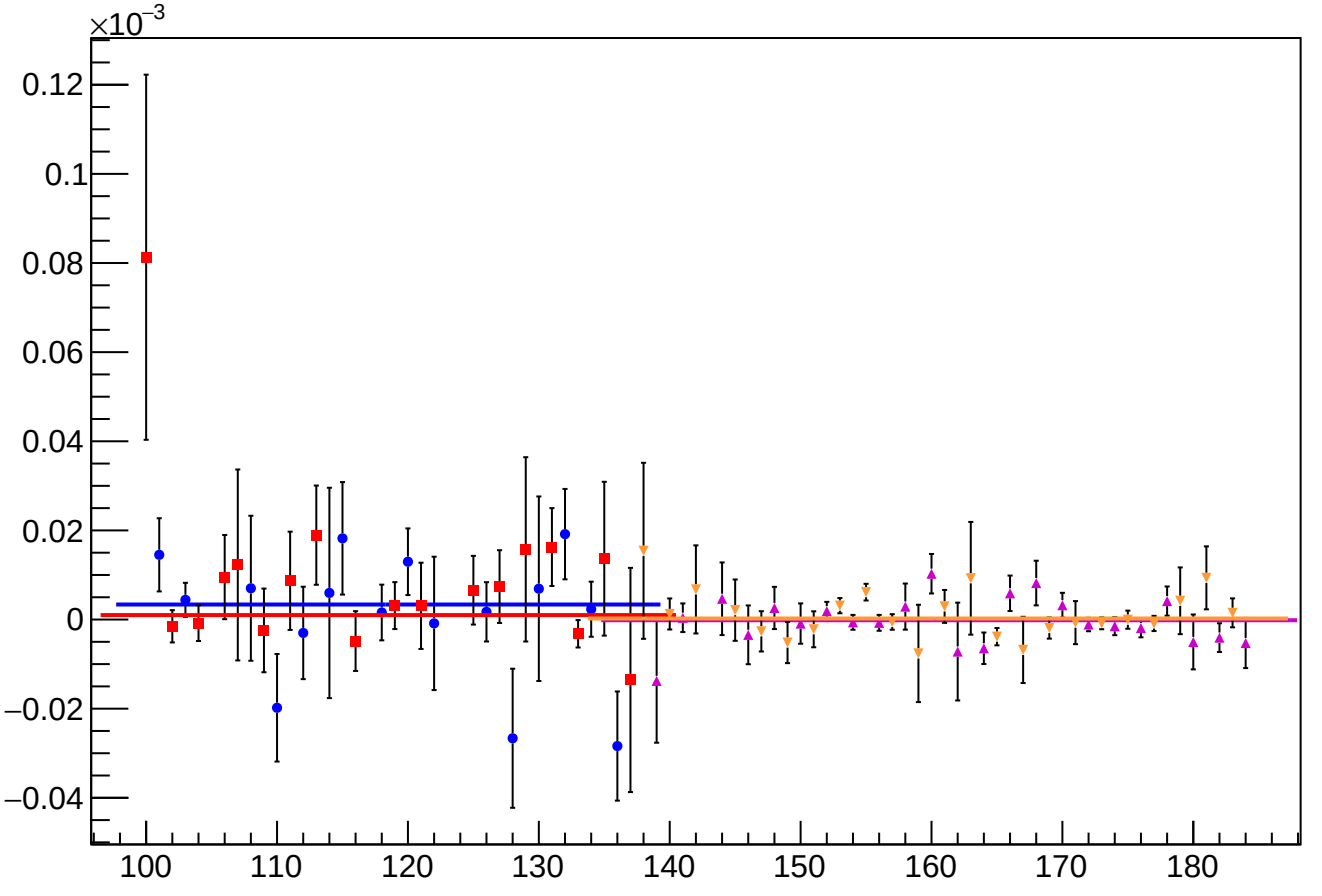
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 49.455+/-0.008 χ^2/NDF: 9263359.3/38

All: 49.437+/-0.006 χ^2/NDF: 18568975.2/79

- sign 49.419+/-0.008 χ^2/NDF: 9305606.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/22

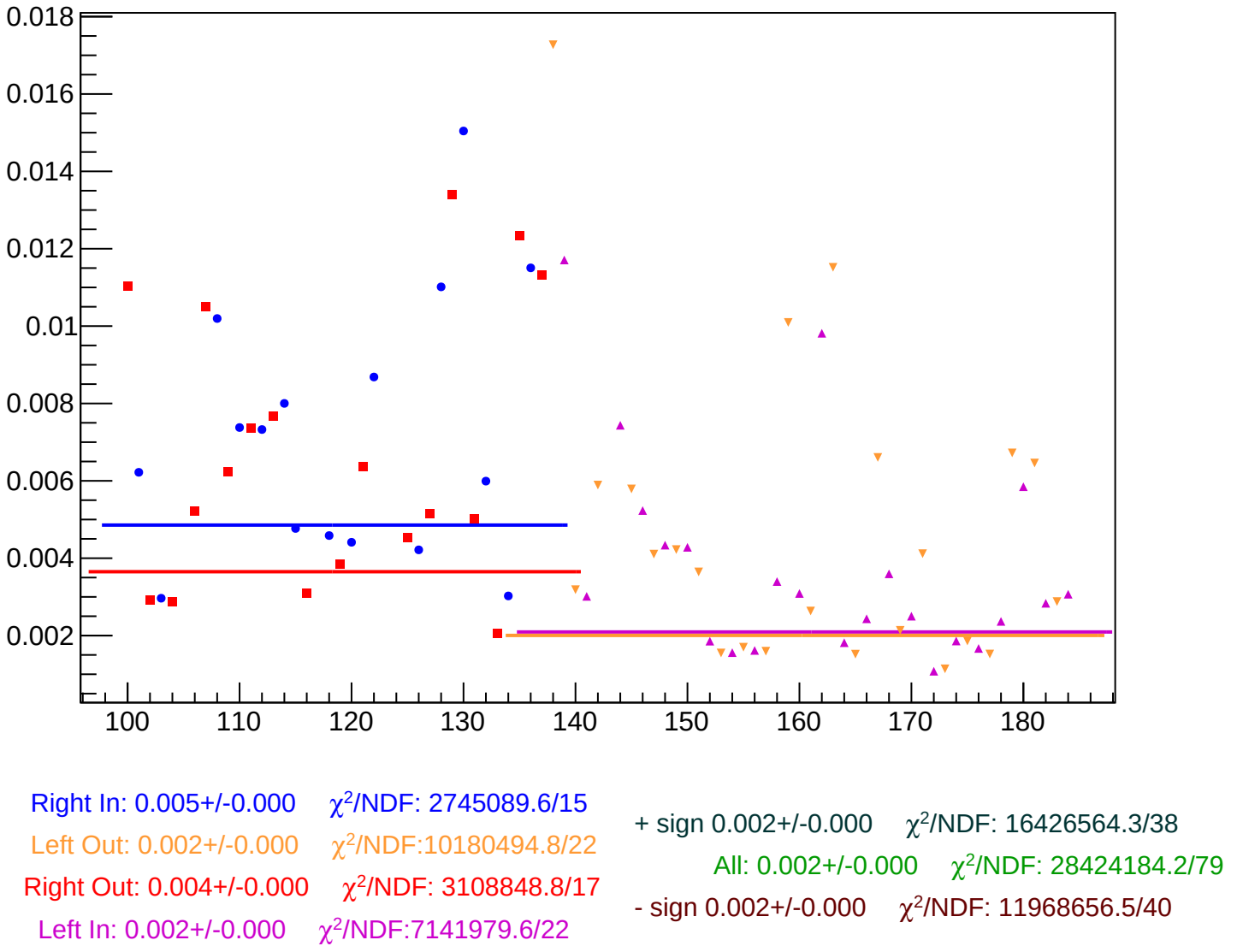
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

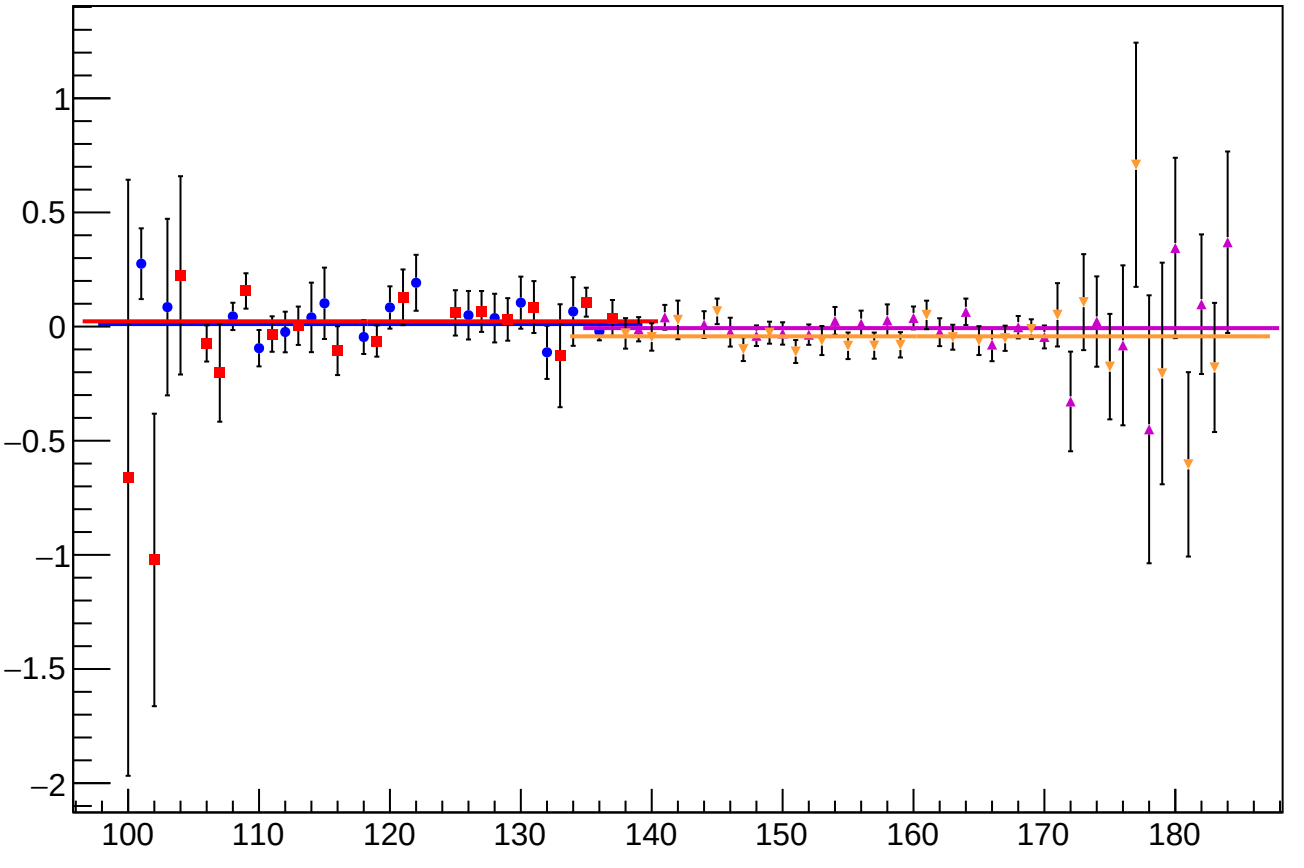
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/38

All: 0.000+/-0.000 χ^2/NDF: 94.9/79

- sign -0.000+/-0.000 χ^2/NDF: 43.0/40


asym_us_dd_atlr_dd_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: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:10180494.8/22
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:7141979.6/22
+ sign 0.002+/-0.000 χ²/NDF: 16426564.3/38
All: 0.002+/-0.000 χ²/NDF: 28424184.2/79
- sign 0.002+/-0.000 χ²/NDF: 11968656.5/40



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:17.6/22

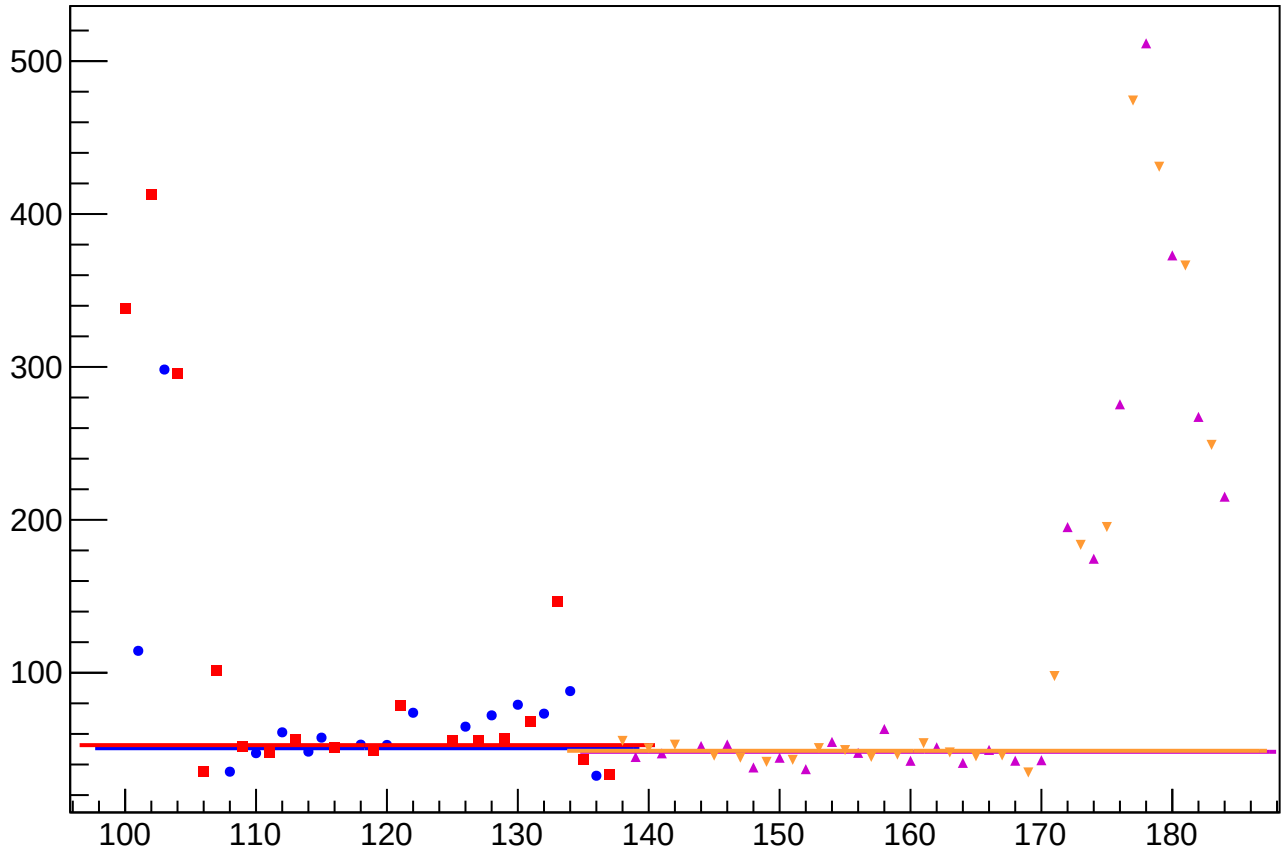
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 33.7/38

All: -0.013+/-0.008 χ^2/NDF: 65.0/79

- sign 0.001+/-0.012 χ^2/NDF: 28.5/40



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.973+/-0.010 χ^2/NDF:6988612.2/22

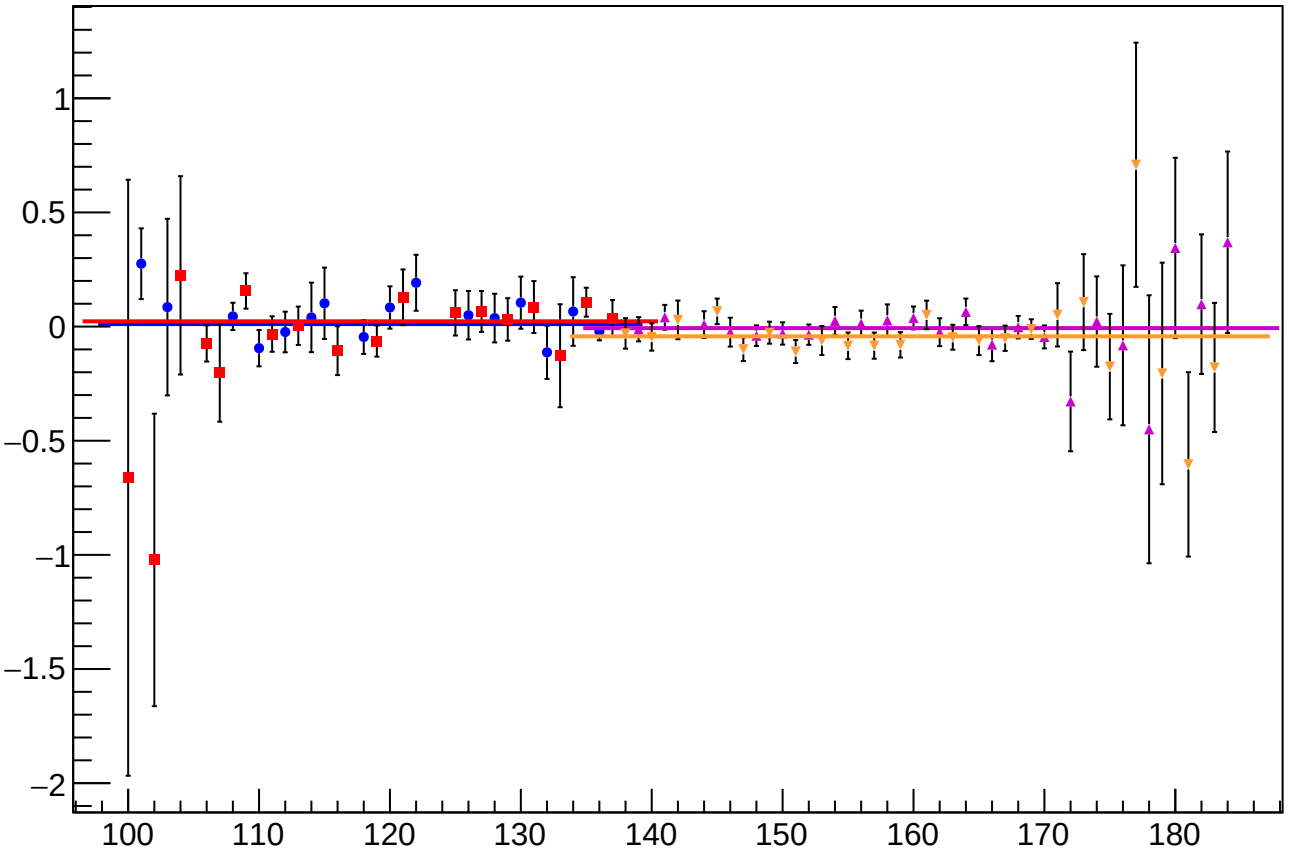
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 49.455+/-0.008 χ^2/NDF: 9263282.3/38

All: 49.437+/-0.006 χ^2/NDF: 18568716.2/79

- sign 49.419+/-0.008 χ^2/NDF: 9305424.2/40



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:17.6/22

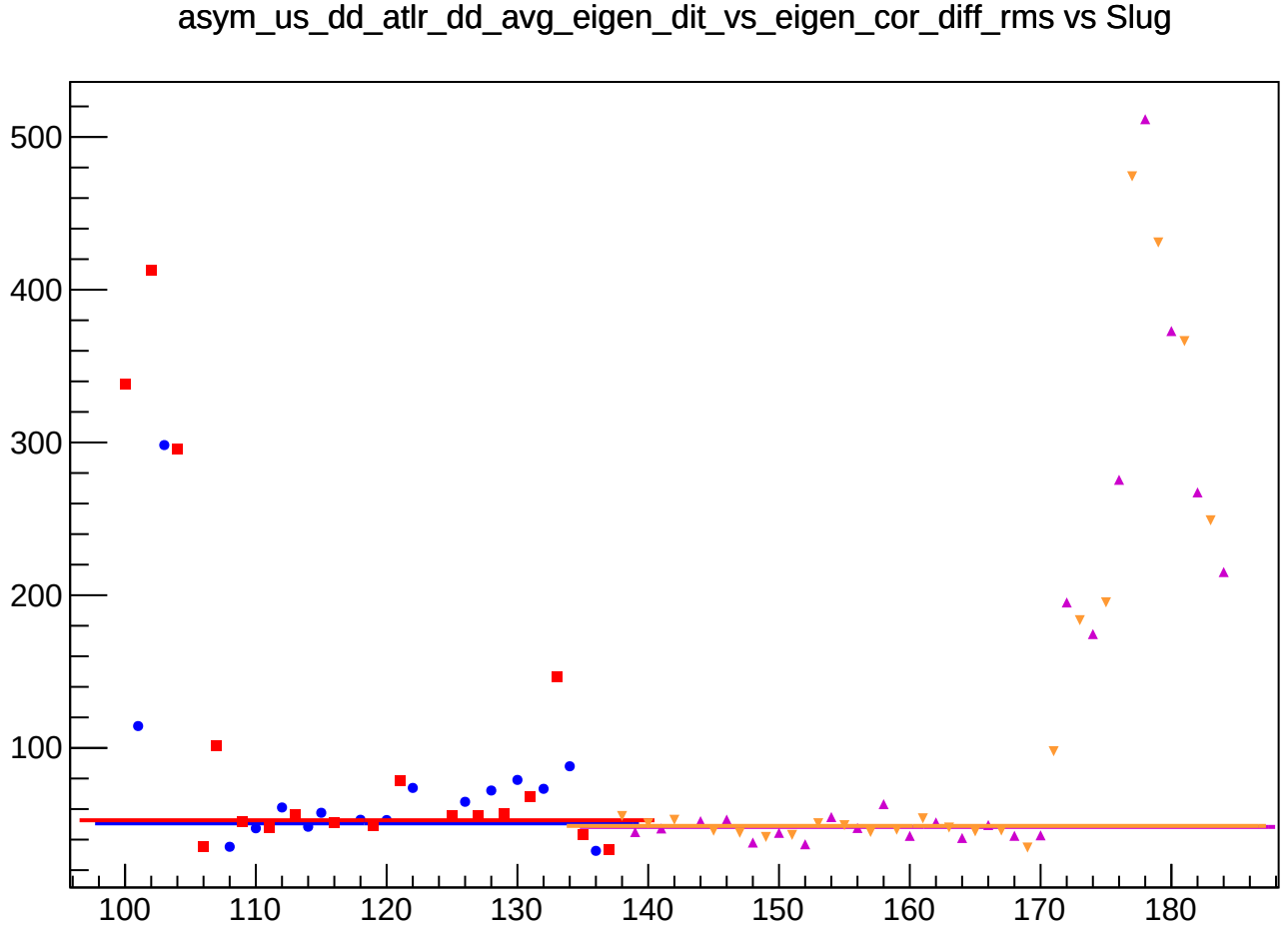
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 33.7/38

All: -0.013+/-0.008 χ^2/NDF: 65.0/79

- sign 0.001+/-0.012 χ^2/NDF: 28.5/40



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.973+/-0.010 χ^2/NDF:6988612.2/22

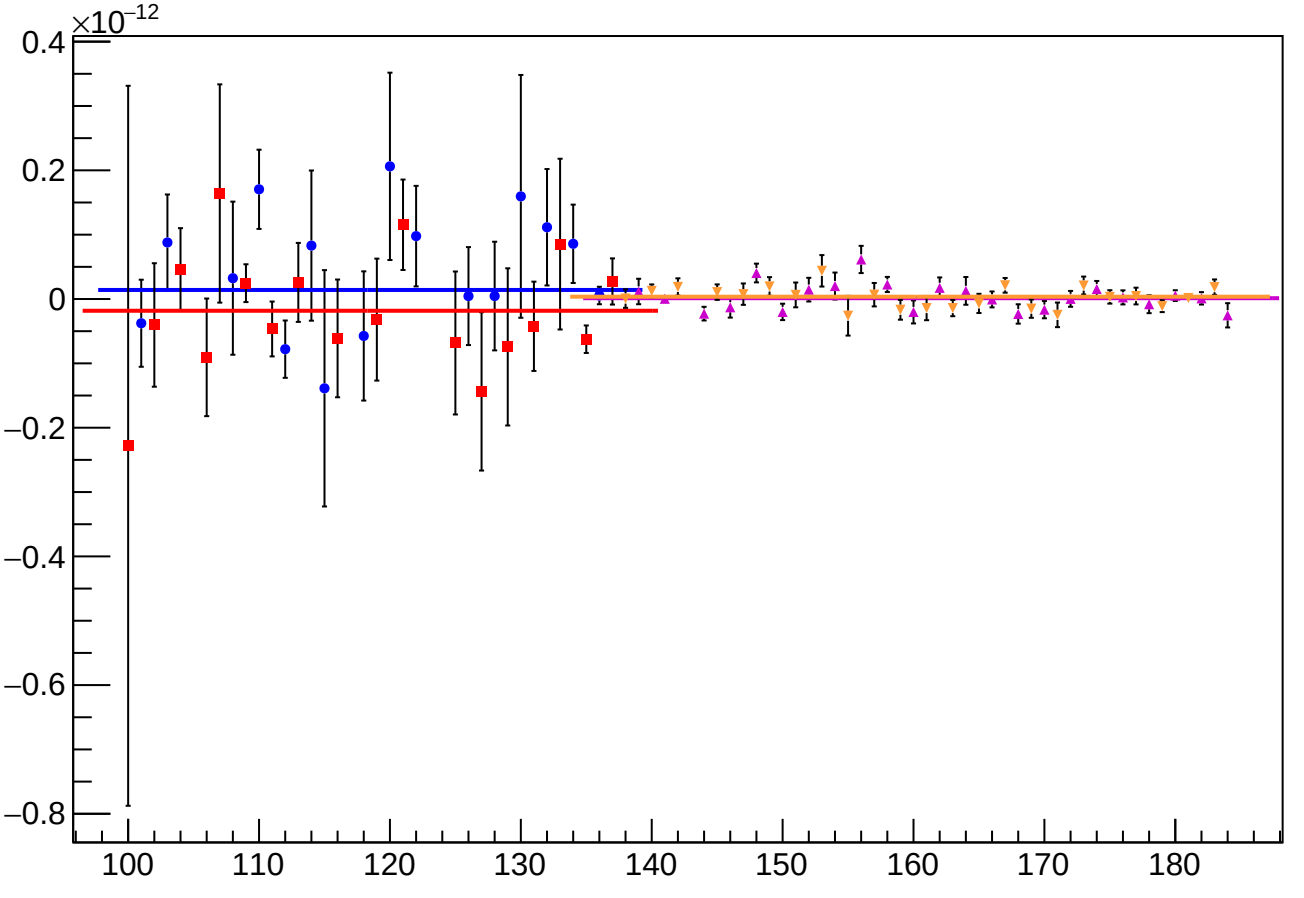
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 49.455+/-0.008 χ^2/NDF: 9263282.3/38

All: 49.437+/-0.006 χ^2/NDF: 18568716.2/79

\- sign 49.419+/-0.008 χ^2/NDF: 9305424.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/22

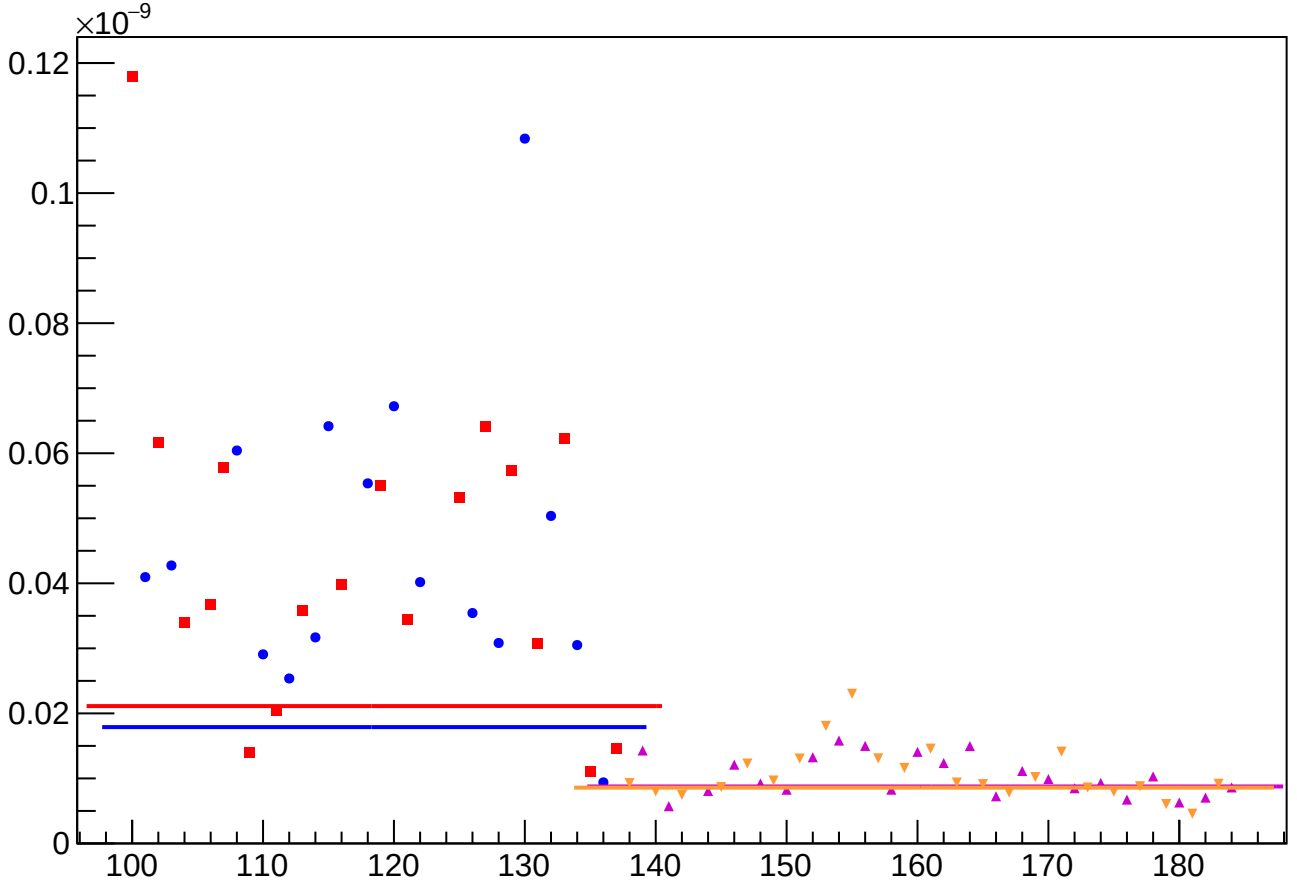
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/38

All: 0.000+/-0.000 χ^2/NDF: 107.1/79

- sign 0.000+/-0.000 χ^2/NDF: 60.4/40



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

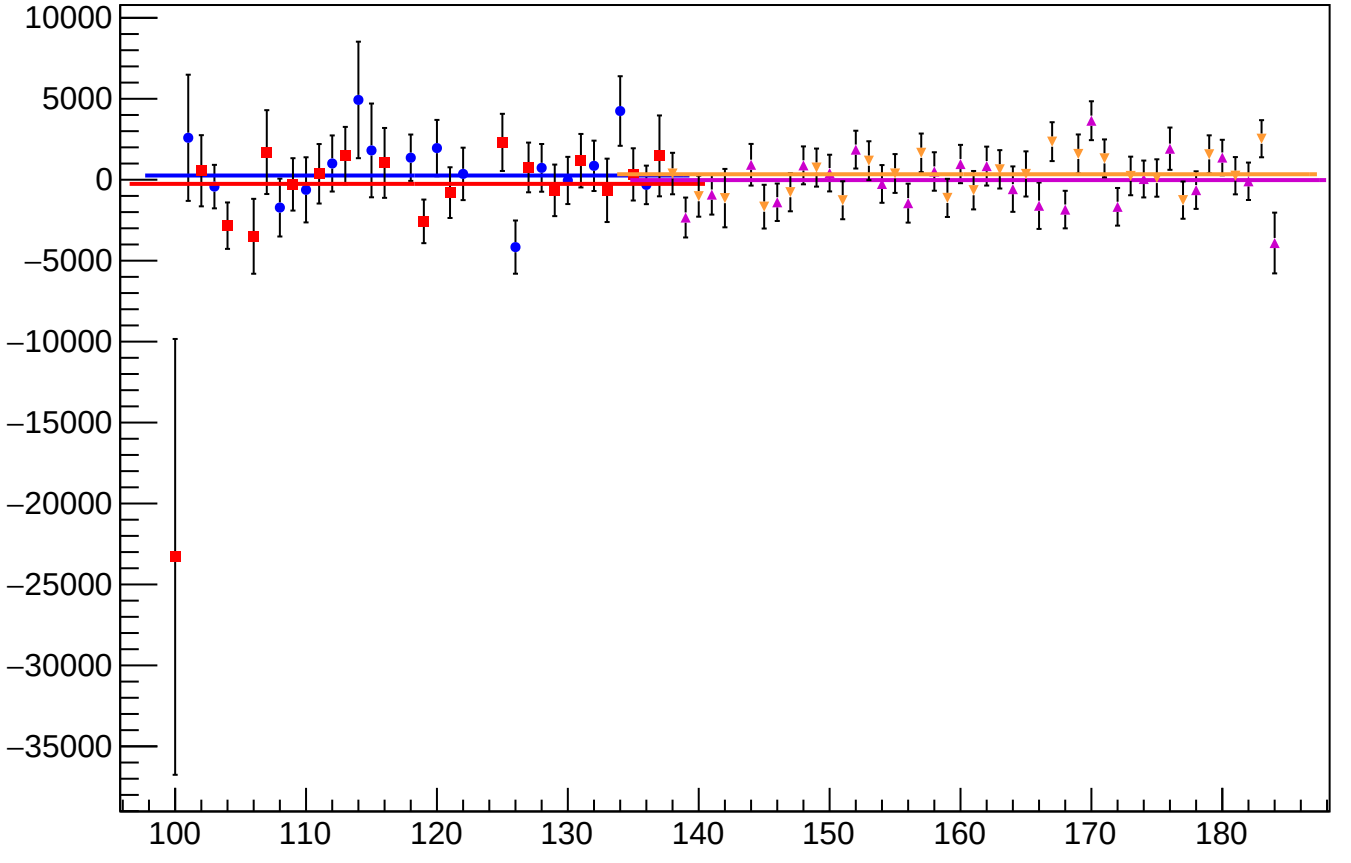
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7171914.7/38

All: 0.000+/-0.000 χ^2/NDF: 13614134.3/79

- sign 0.000+/-0.000 χ^2/NDF: 6434464.4/40

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

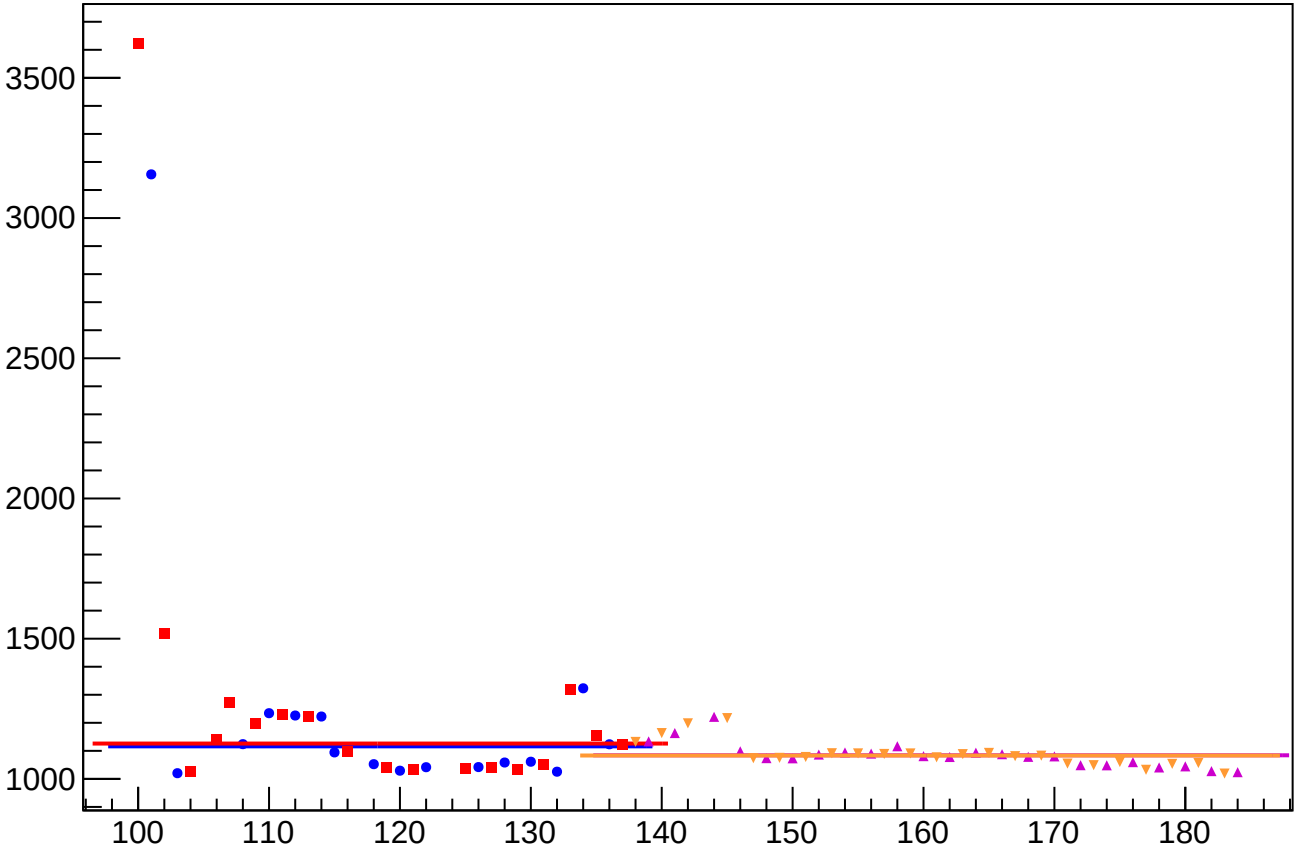
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 318.402+/-217.622 χ^2/NDF: 39.2/38

All: 117.566+/-153.914 χ^2/NDF: 94.3/79

- sign -83.433+/-217.711 χ^2/NDF: 53.4/40

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

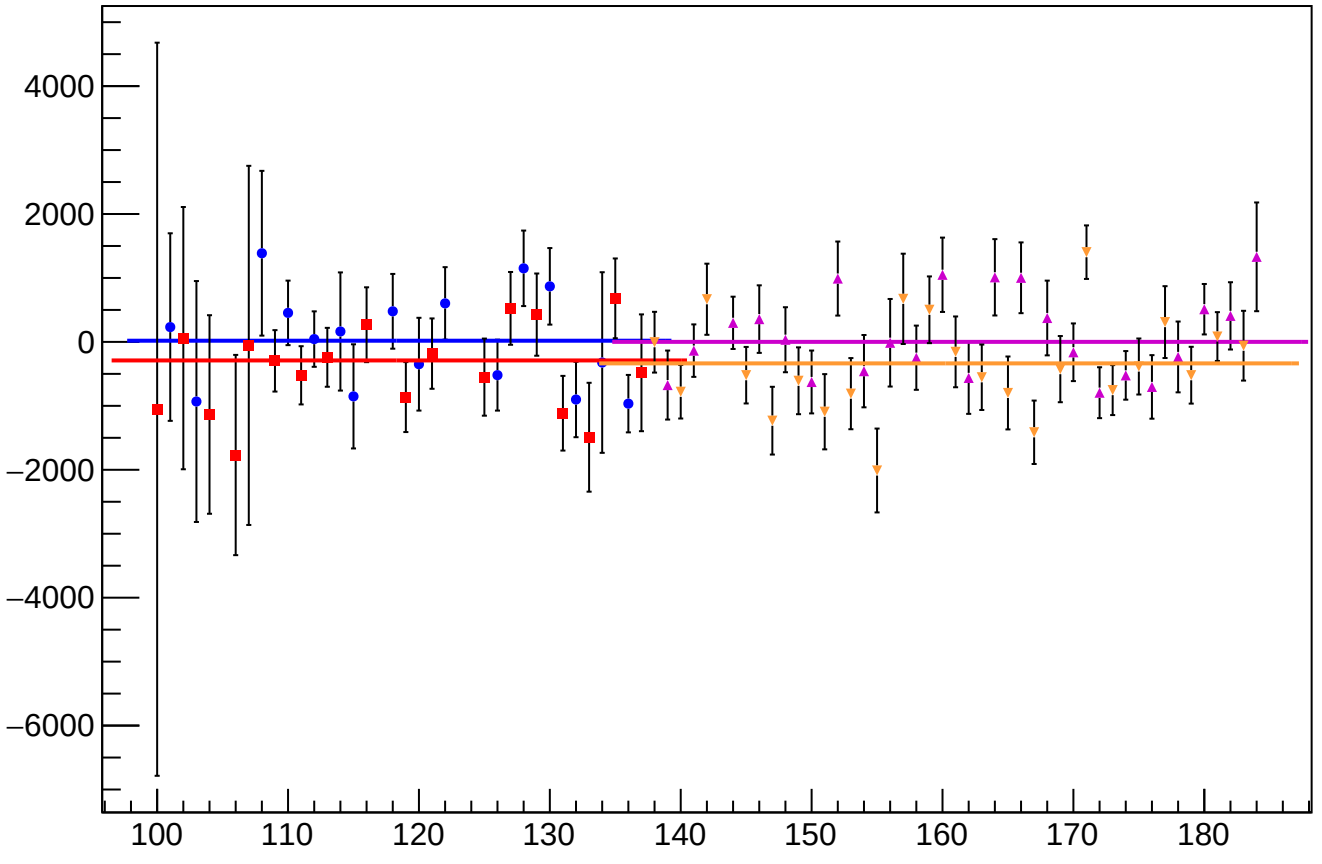
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.998+/-0.154 χ^2/NDF: 687585.0/38

All: 1093.552+/-0.109 χ^2/NDF: 977603.5/79

- sign 1095.107+/-0.154 χ^2/NDF: 289814.5/40



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -336.003+/-103.285 χ^2/NDF:48.8/22

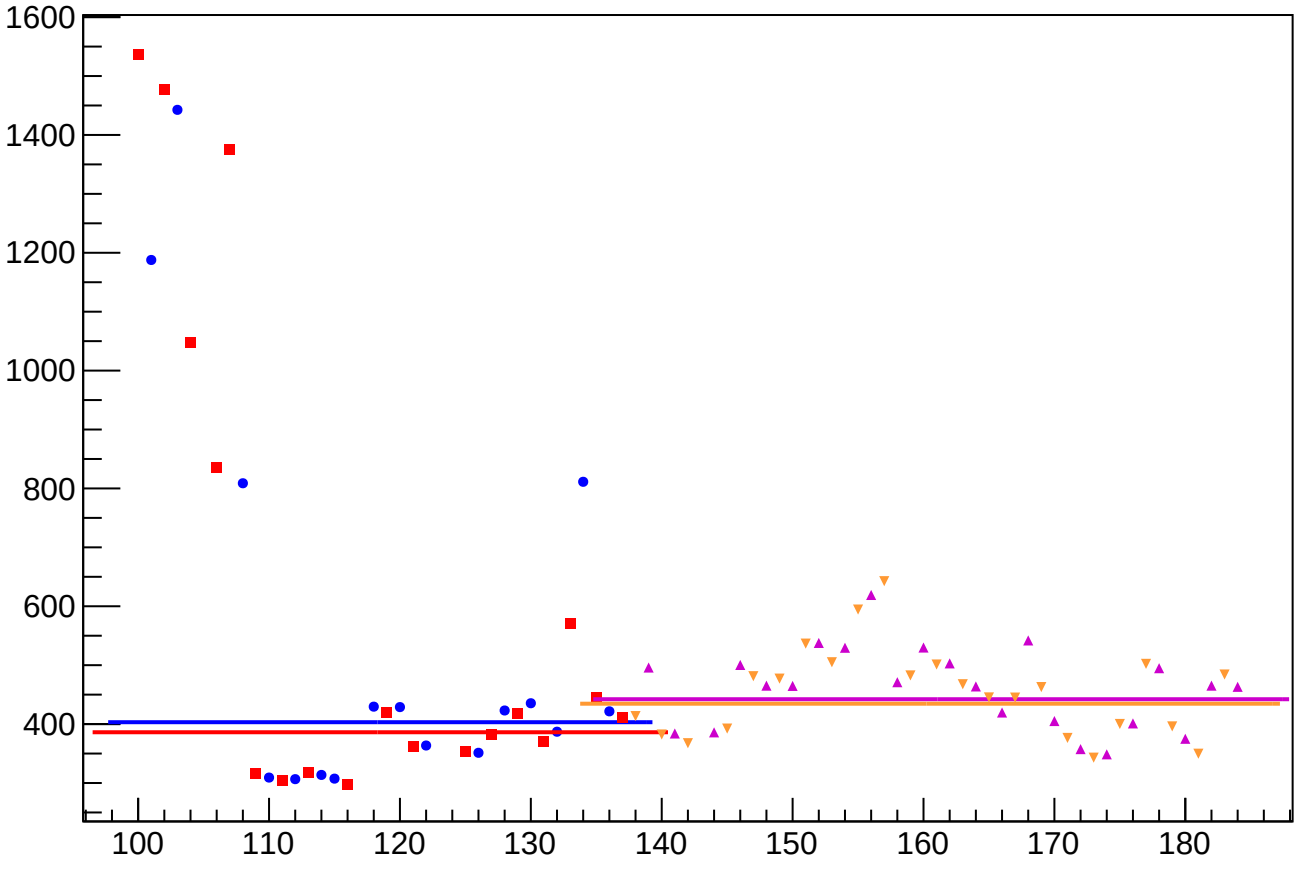
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

\+ sign -232.869+/-86.971 χ^2/NDF: 71.4/38

All: -161.226+/-61.503 χ^2/NDF: 120.5/79

\- sign -89.557+/-86.987 χ^2/NDF: 47.7/40



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

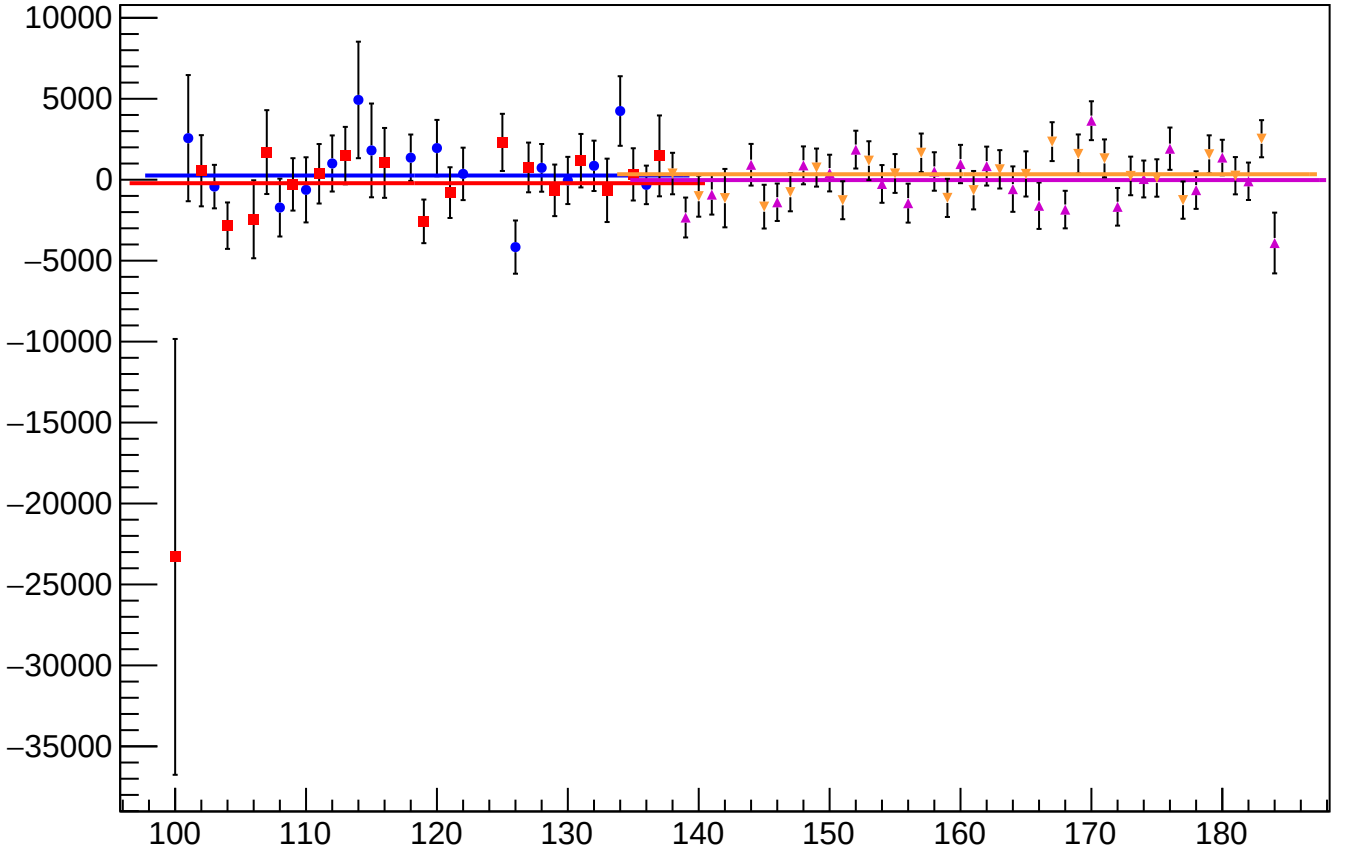
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 425.464+/-0.061 χ^2/NDF: 2739720.8/38

All: 425.142+/-0.043 χ^2/NDF: 5502613.4/79

- sign 424.819+/-0.062 χ^2/NDF: 2762837.7/40

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

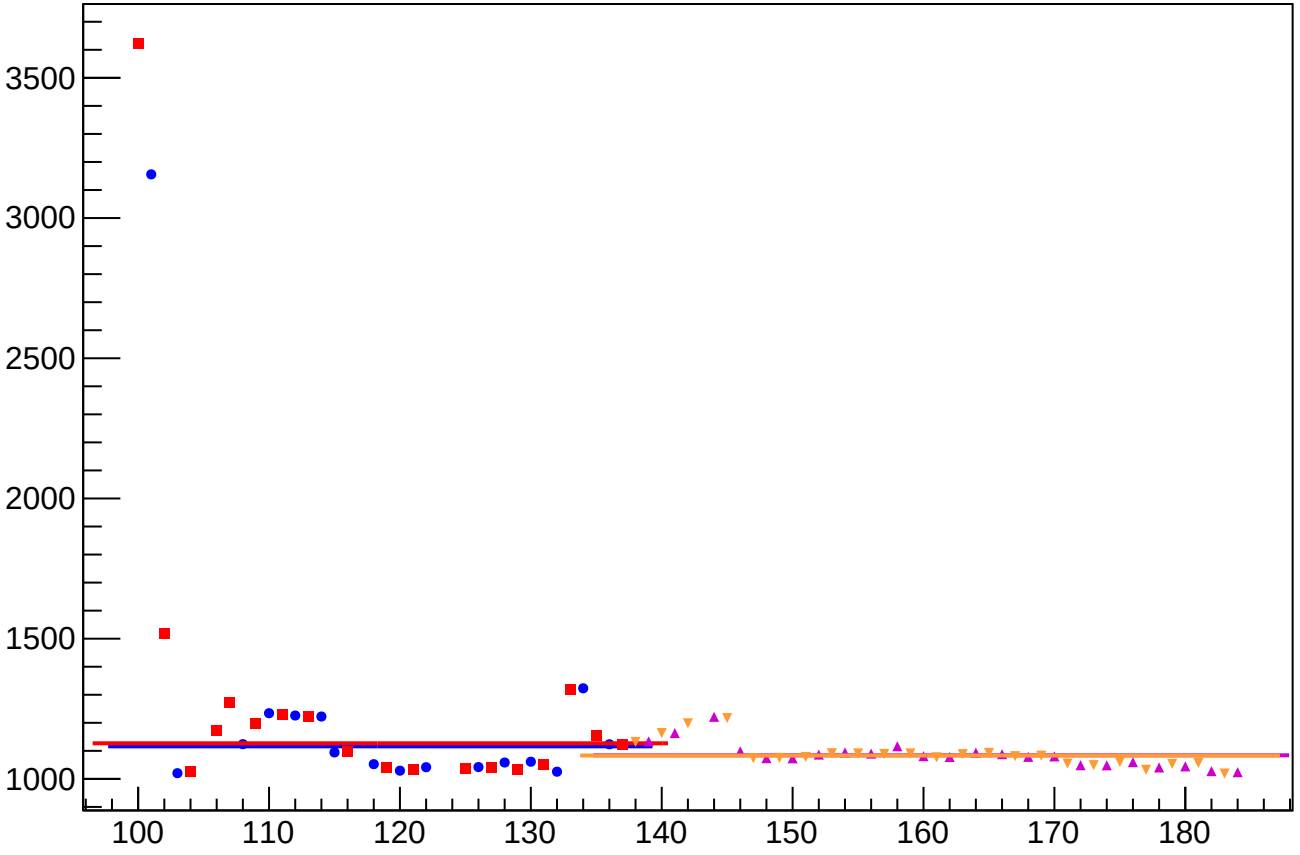
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 318.303+/-217.622 χ^2/NDF: 39.2/38

All: 123.048+/-153.940 χ^2/NDF: 93.0/79

- sign -72.499+/-217.785 χ^2/NDF: 52.2/40

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

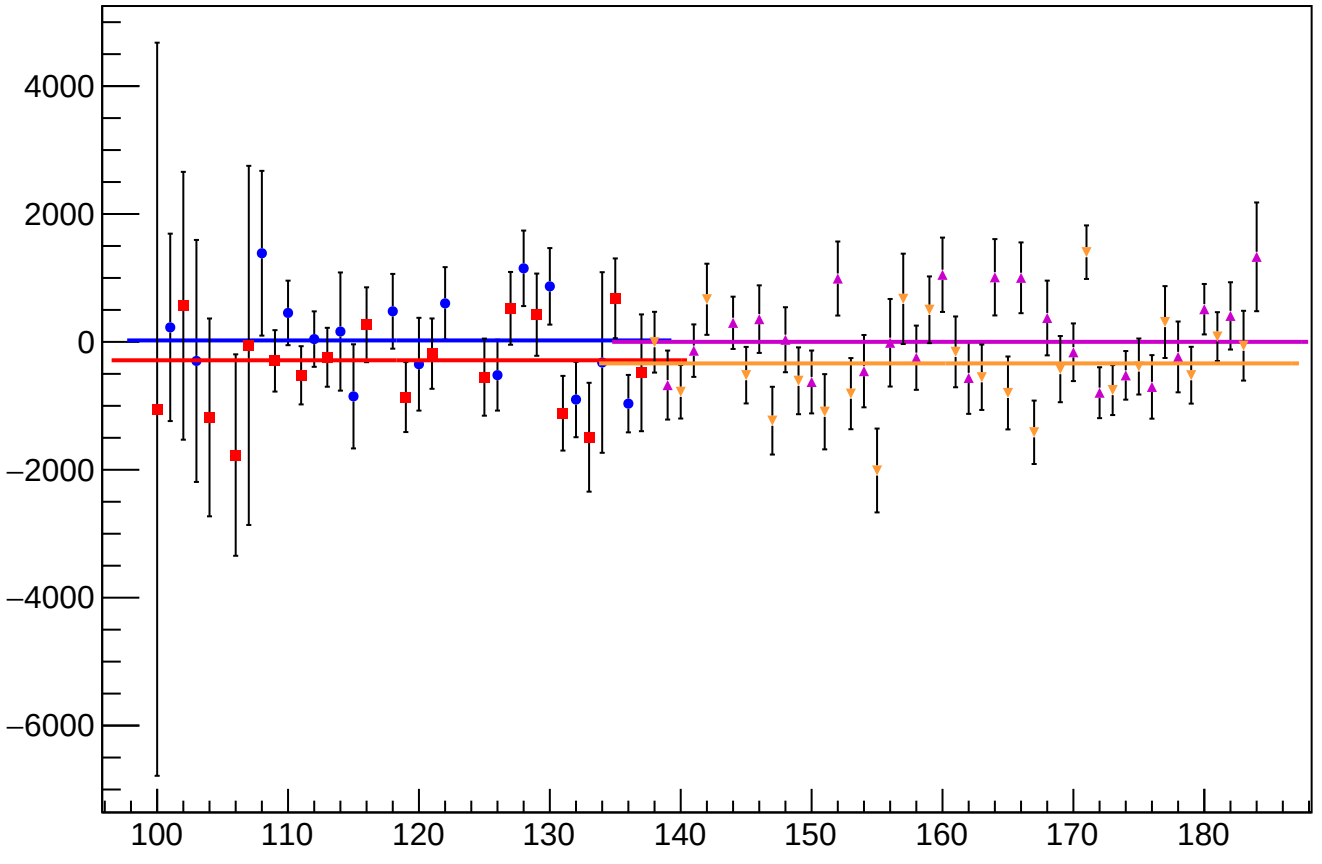
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.998+/-0.154 χ^2/NDF: 687585.9/38

All: 1093.664+/-0.109 χ^2/NDF: 978891.9/79

- sign 1095.333+/-0.154 χ^2/NDF: 291071.4/40



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -336.071+/-103.285 χ^2/NDF:48.8/22

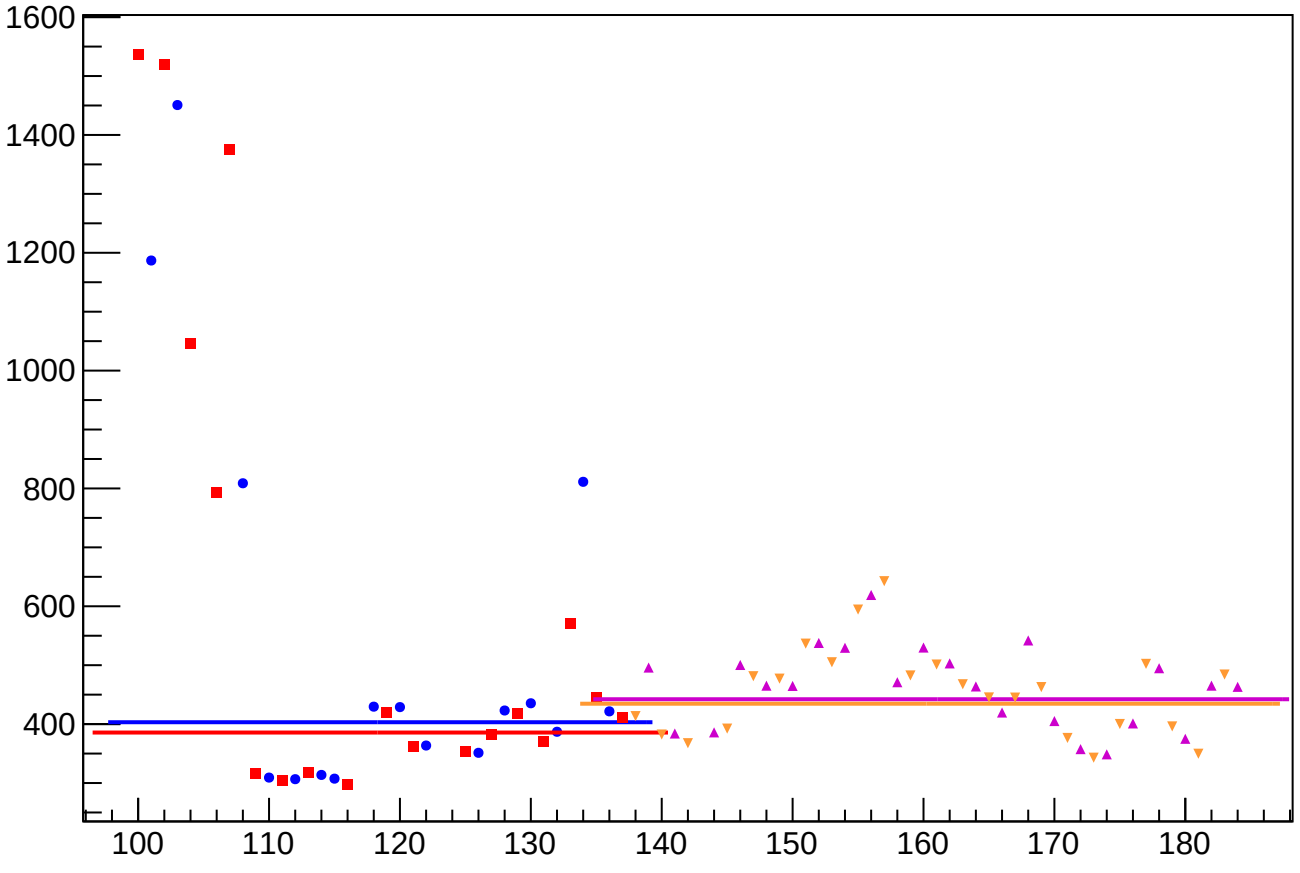
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -231.623+/-86.971 χ^2/NDF: 71.2/38

All: -160.228+/-61.505 χ^2/NDF: 120.5/79

\- sign -88.801+/-86.991 χ^2/NDF: 47.9/40



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 434.599+/-0.073 χ^2/NDF:877569.9/22

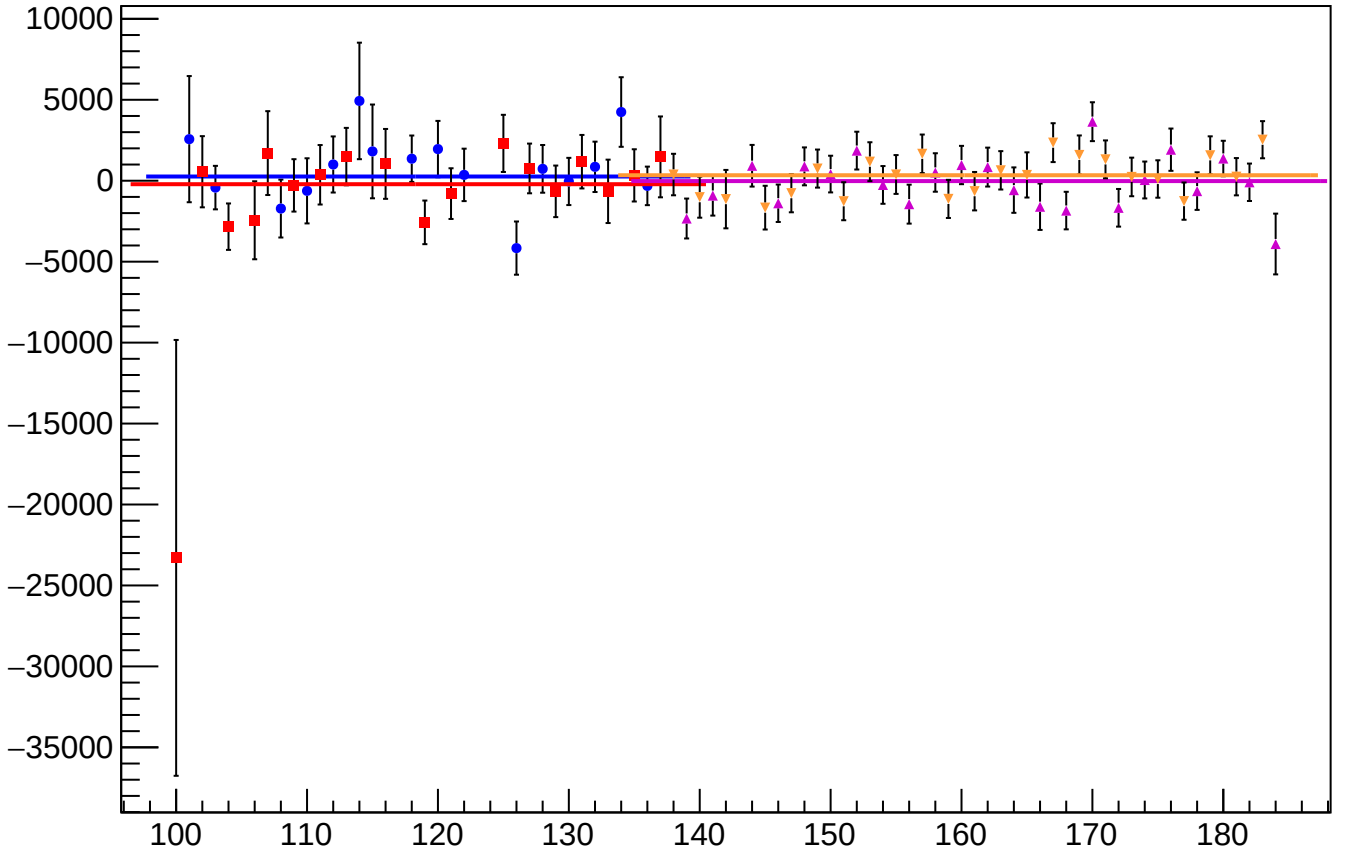
Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 425.458+/-0.061 χ^2/NDF: 2743519.9/38

All: 425.069+/-0.043 χ^2/NDF: 5497276.2/79

- sign 424.680+/-0.062 χ^2/NDF: 2753676.2/40



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

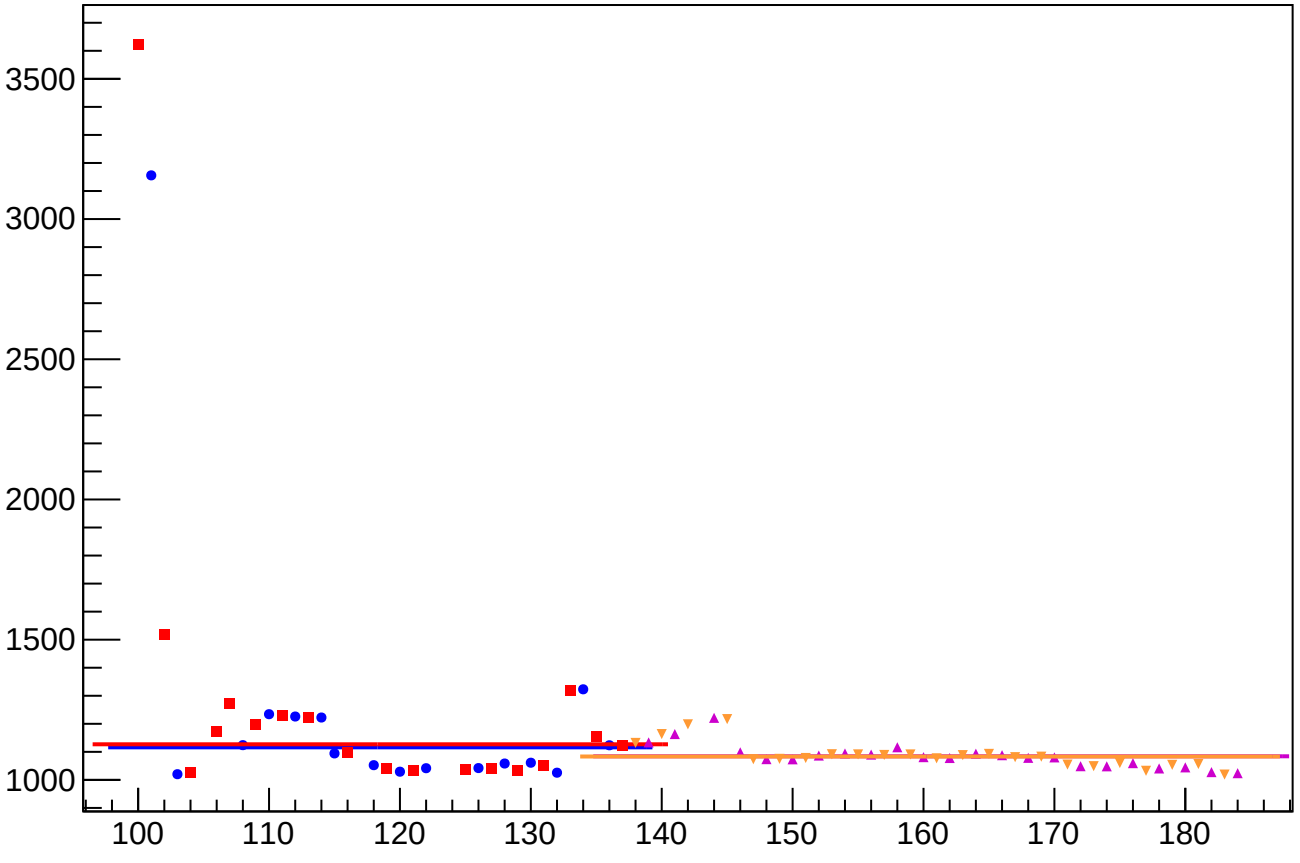
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 318.303+/-217.622 χ^2/NDF: 39.2/38

All: 123.048+/-153.940 χ^2/NDF: 93.0/79

- sign -72.499+/-217.785 χ^2/NDF: 52.2/40

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

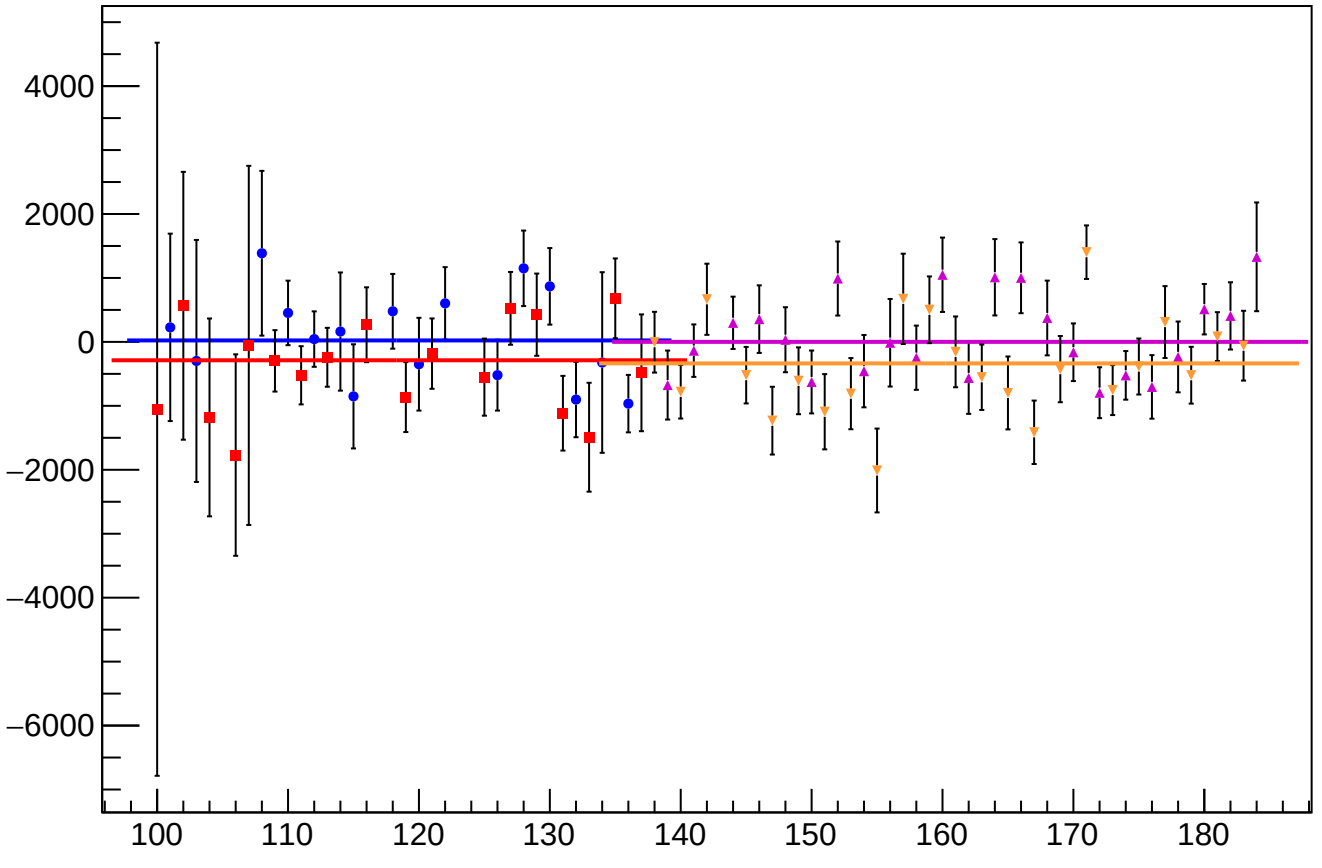
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.998+/-0.154 χ^2/NDF: 687585.9/38

All: 1093.664+/-0.109 χ^2/NDF: 978891.9/79

- sign 1095.333+/-0.154 χ^2/NDF: 291071.4/40



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -336.071+/-103.285 χ^2/NDF:48.8/22

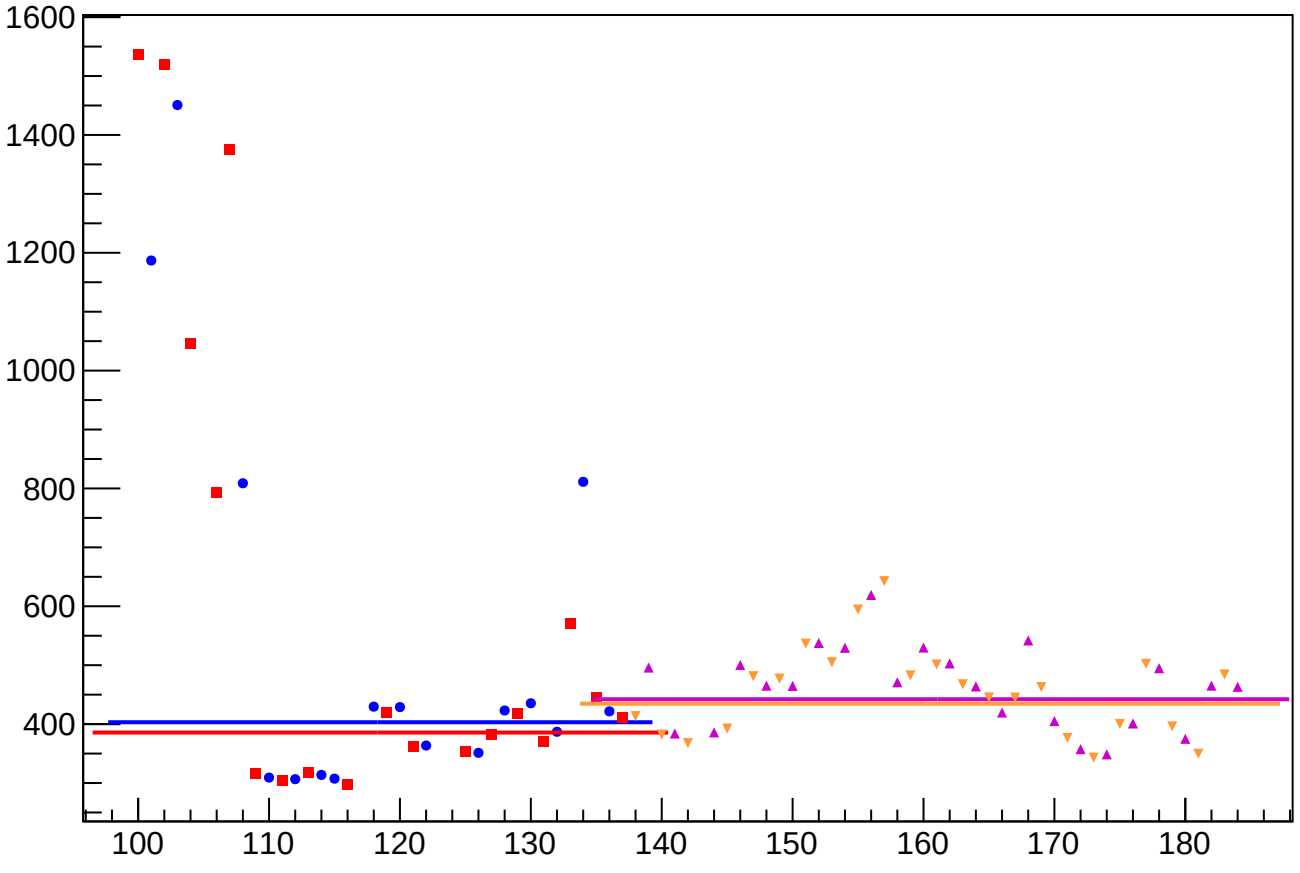
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -231.623+/-86.971 χ^2/NDF: 71.2/38

All: -160.228+/-61.505 χ^2/NDF: 120.5/79

\- sign -88.801+/-86.991 χ^2/NDF: 47.9/40



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

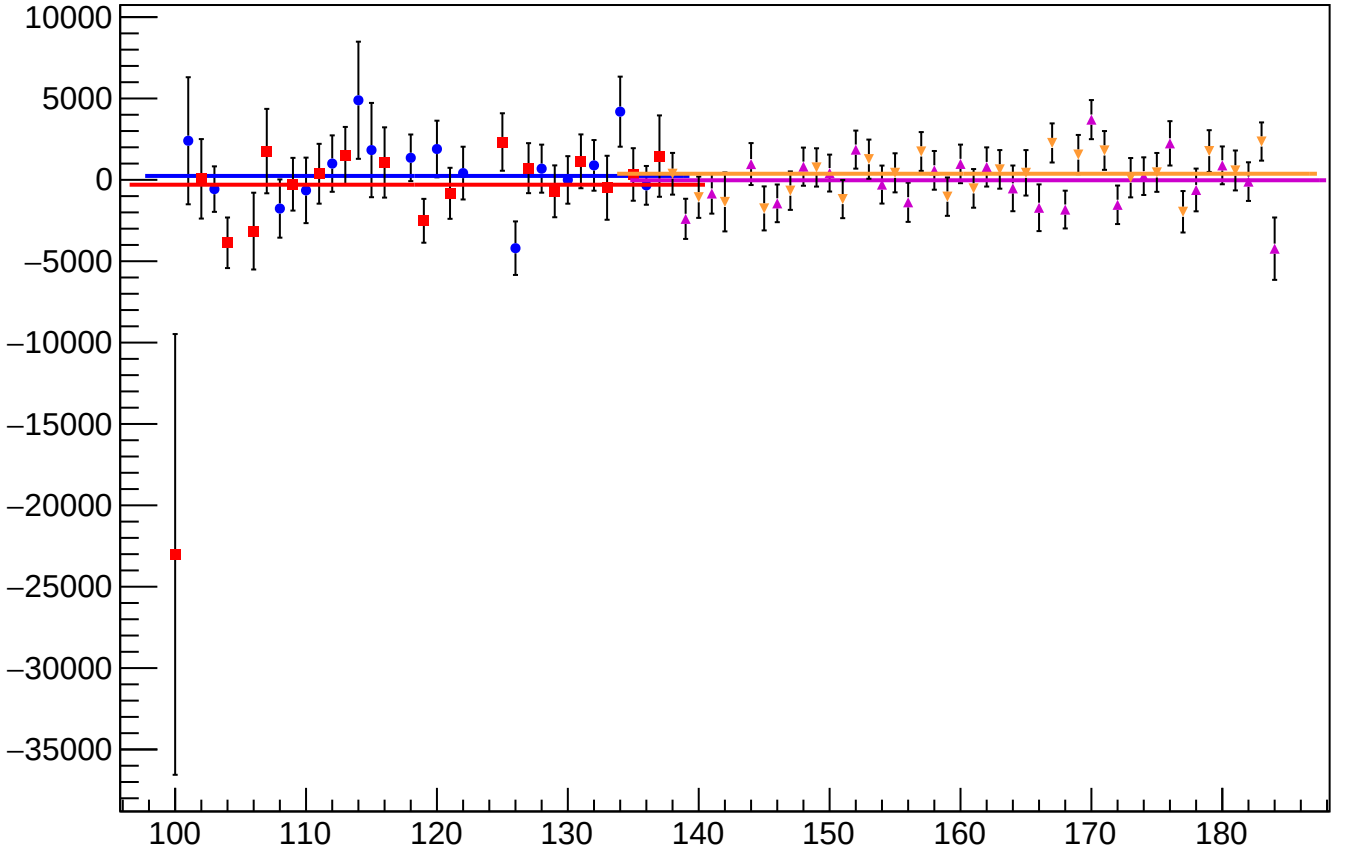
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 425.458+/-0.061 χ^2/NDF: 2743519.9/38

All: 425.069+/-0.043 χ^2/NDF: 5497276.2/79

- sign 424.680+/-0.062 χ^2/NDF: 2753676.2/40

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

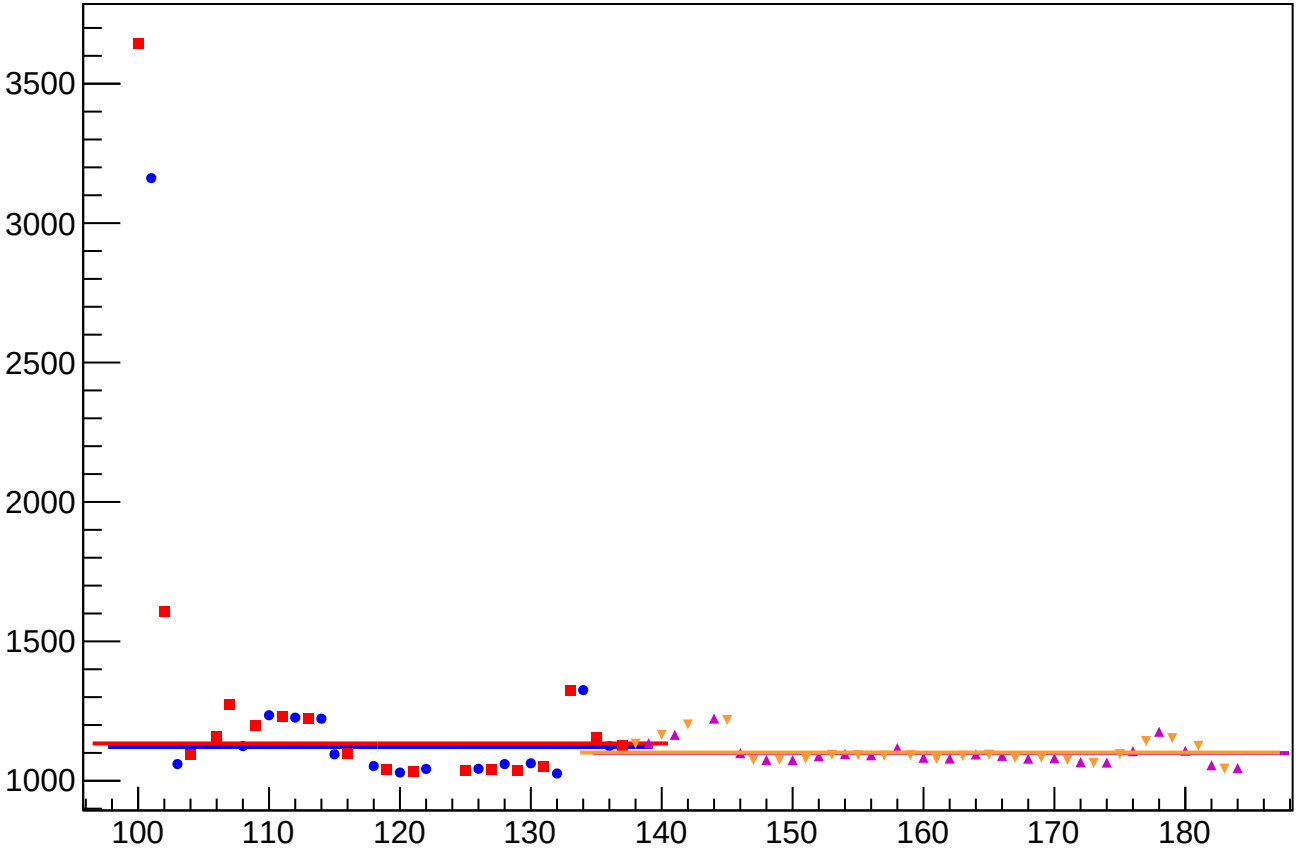
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 339.379+/-220.525 χ^2/NDF: 40.6/38

All: 121.241+/-155.968 χ^2/NDF: 97.4/79

- sign -97.086+/-220.620 χ^2/NDF: 54.8/40

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

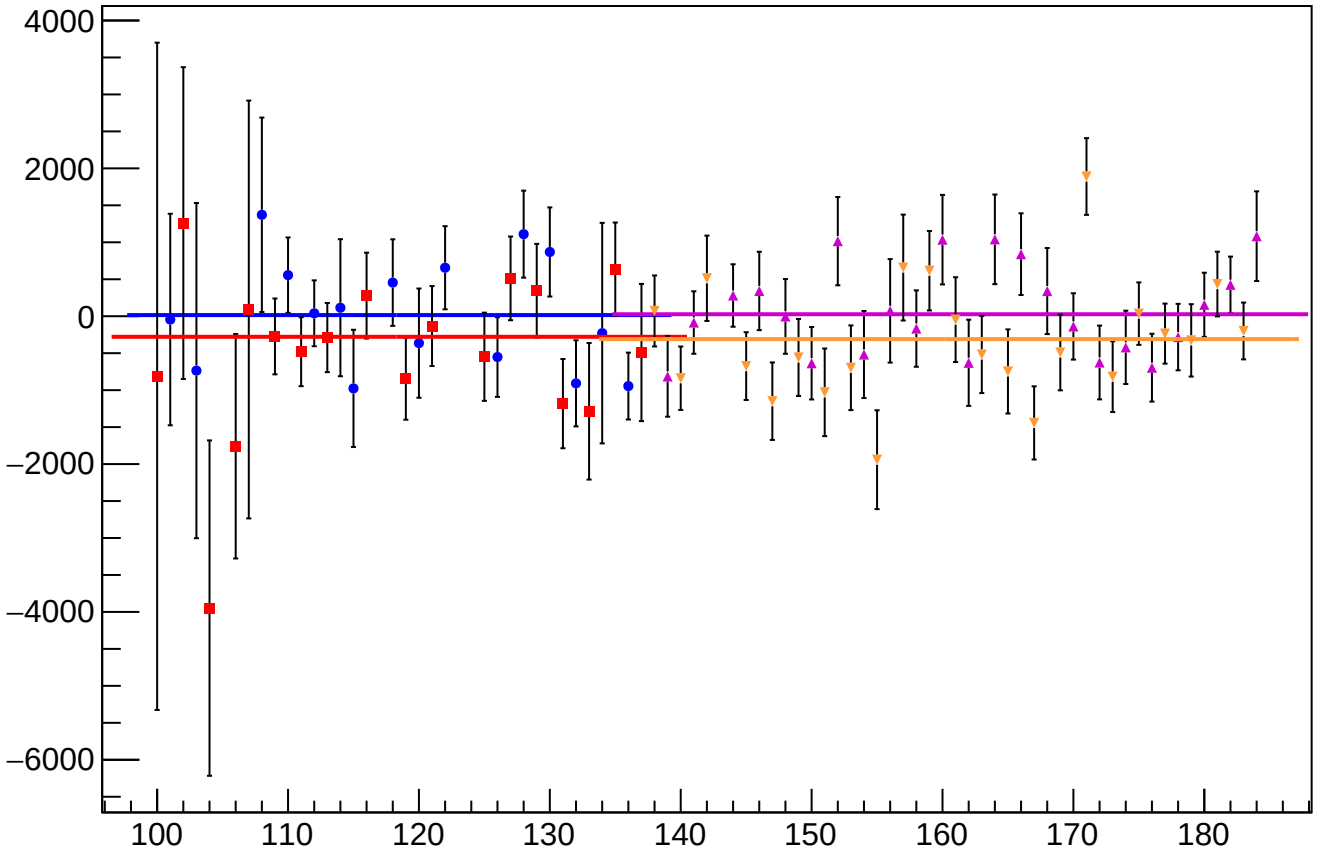
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1106.699+/-0.156 χ^2/NDF: 666632.5/38

All: 1107.556+/-0.110 χ^2/NDF: 948447.3/79

- sign 1108.414+/-0.156 χ^2/NDF: 281754.3/40



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -309.584+/-104.261 χ^2/NDF:49.4/22

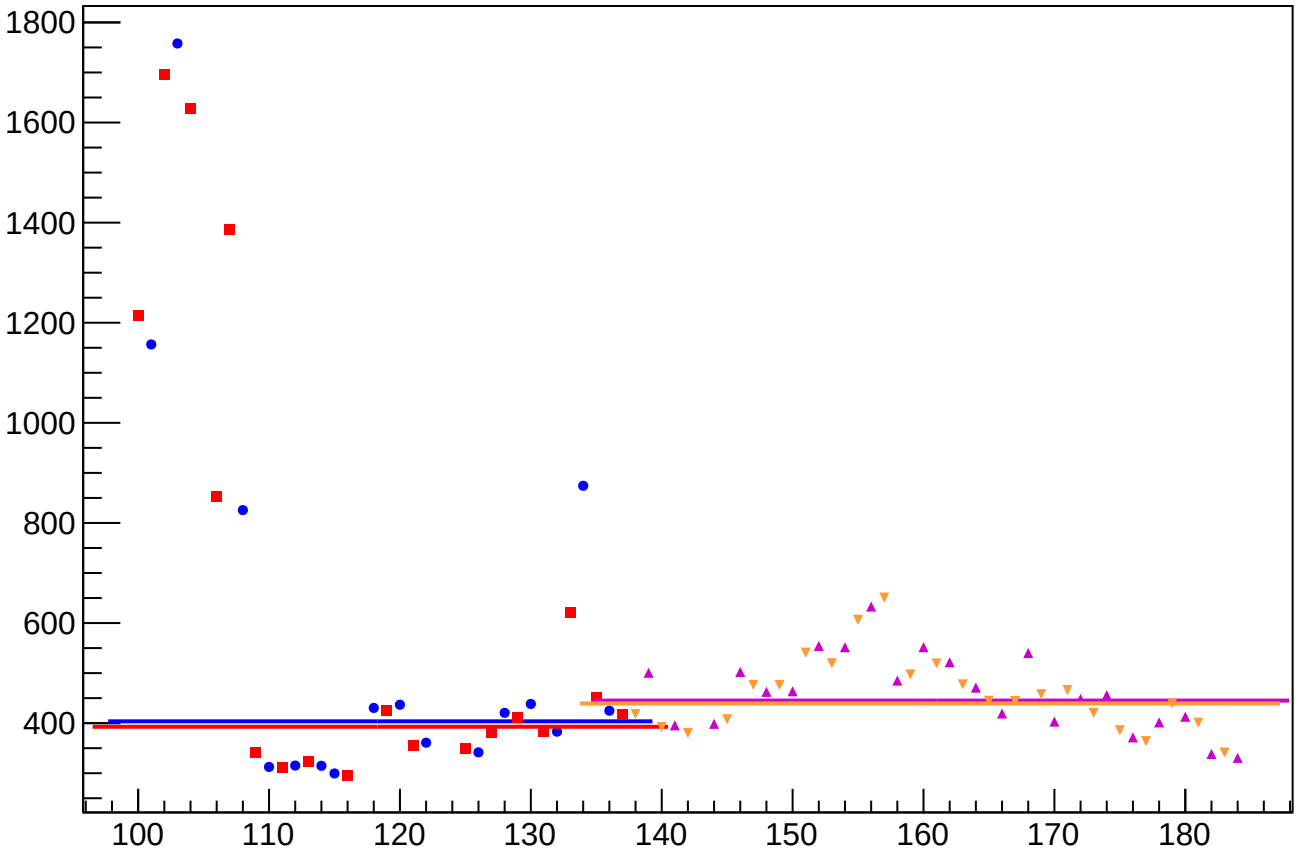
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -214.303+/-87.649 χ^2/NDF: 71.9/38

All: -140.574+/-62.042 χ^2/NDF: 118.8/79

- sign -66.533+/-87.833 χ^2/NDF: 45.5/40



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

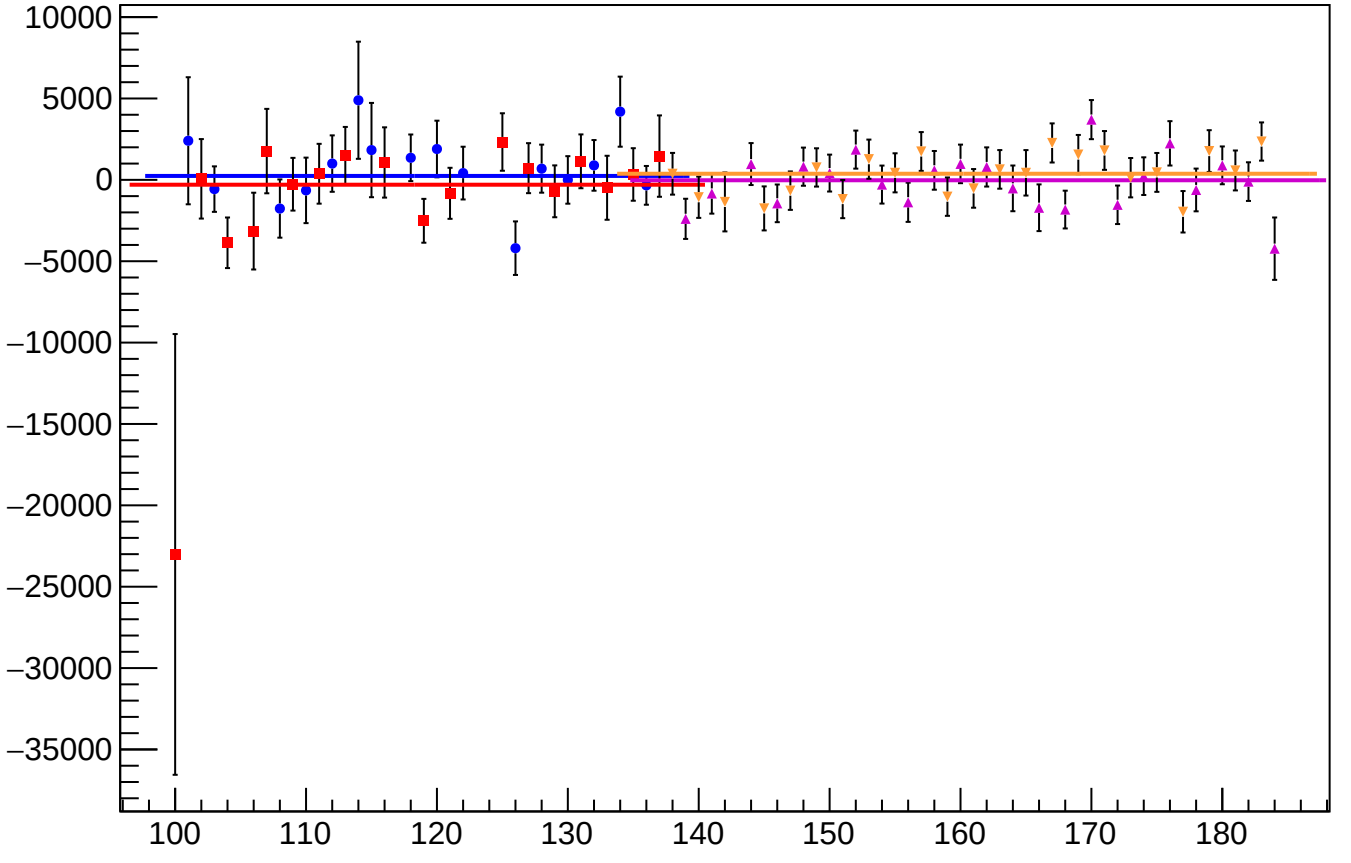
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

\+ sign 428.875+/-0.062 χ^2/NDF: 2804425.6/38

All: 428.996+/-0.044 χ^2/NDF: 6032897.6/79

\- sign 429.118+/-0.062 χ^2/NDF: 3228464.3/40

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

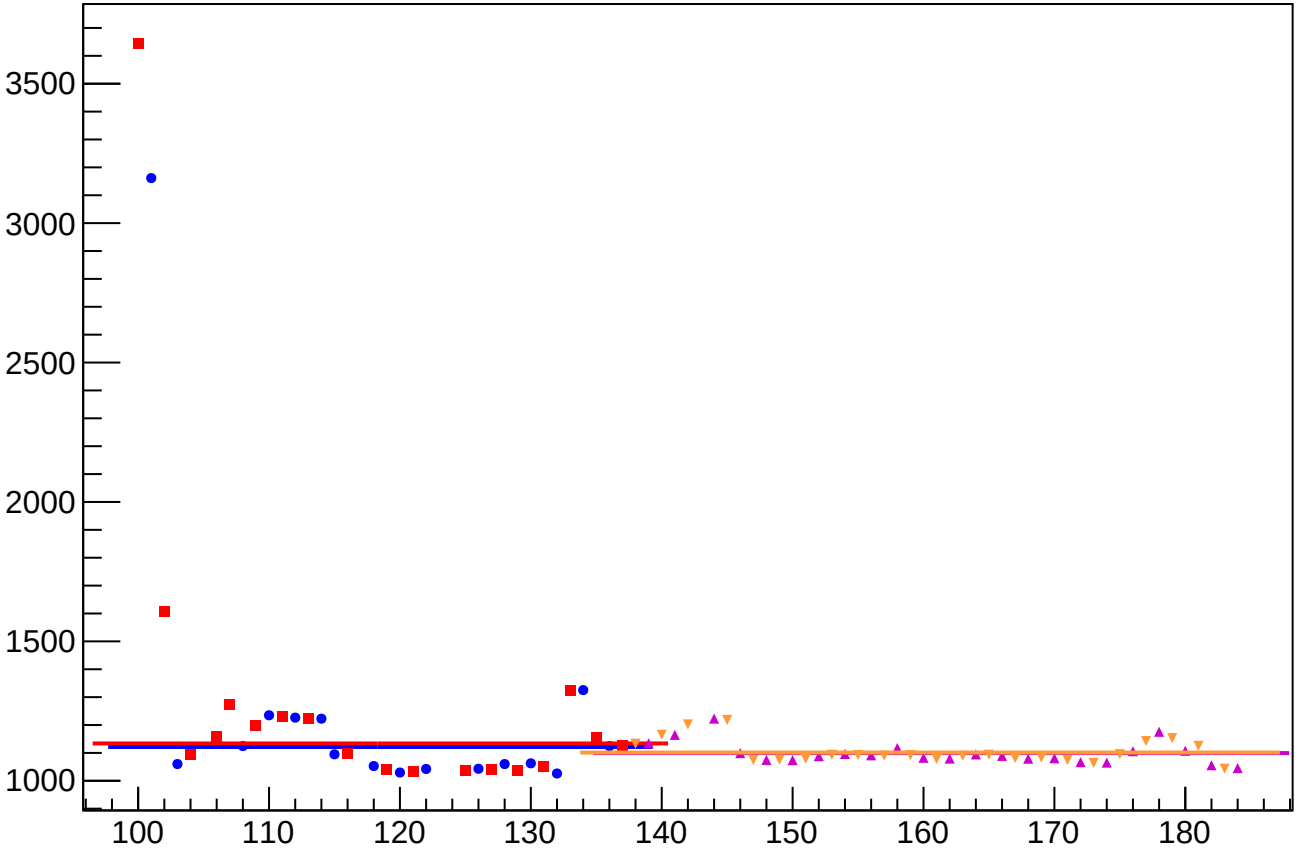
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 339.378+/-220.525 χ^2/NDF: 40.6/38

All: 121.240+/-155.968 χ^2/NDF: 97.4/79

- sign -97.087+/-220.620 χ^2/NDF: 54.8/40

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

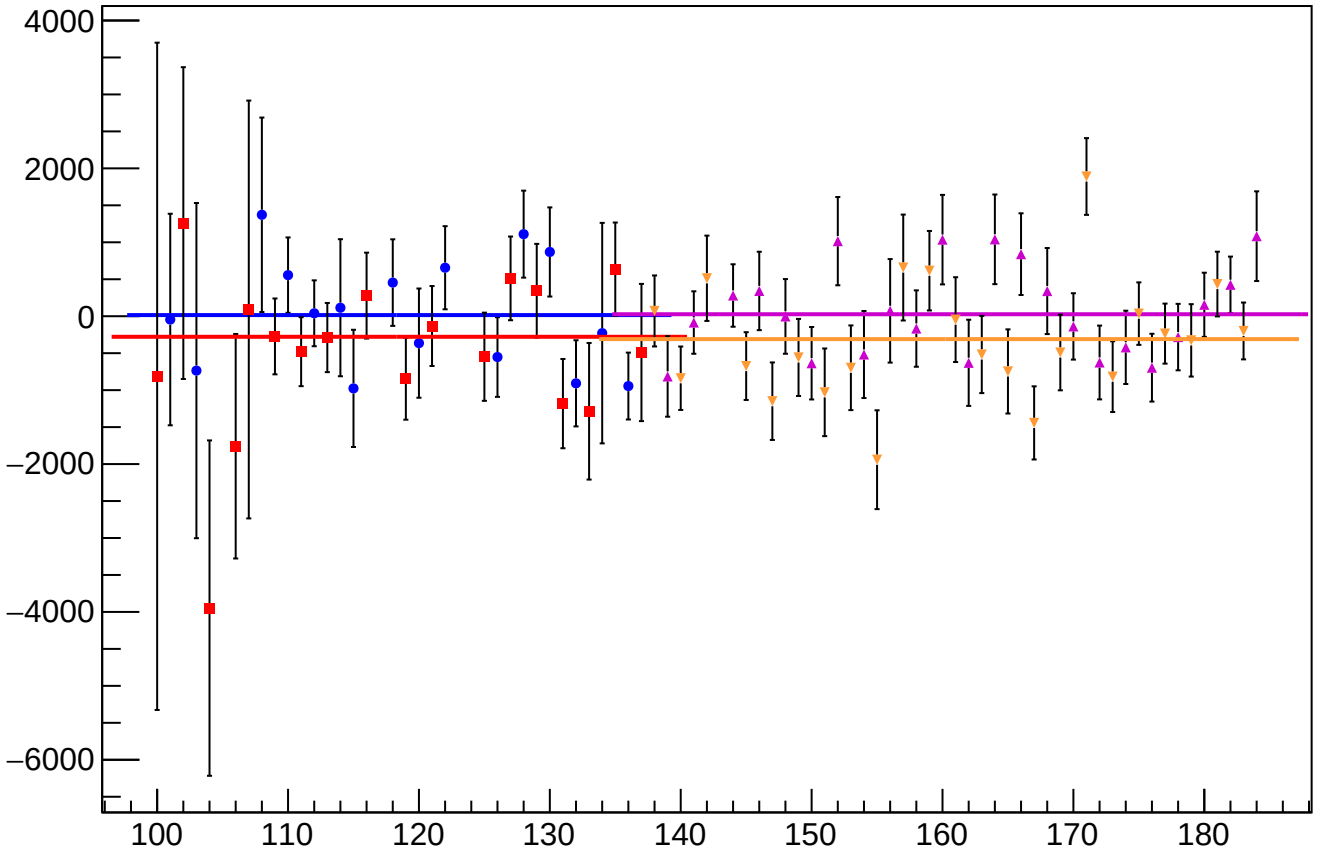
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1106.699+/-0.156 χ^2/NDF: 666632.7/38

All: 1107.556+/-0.110 χ^2/NDF: 948447.7/79

- sign 1108.414+/-0.156 χ^2/NDF: 281754.5/40



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -309.586+/-104.261 χ^2/NDF:49.4/22

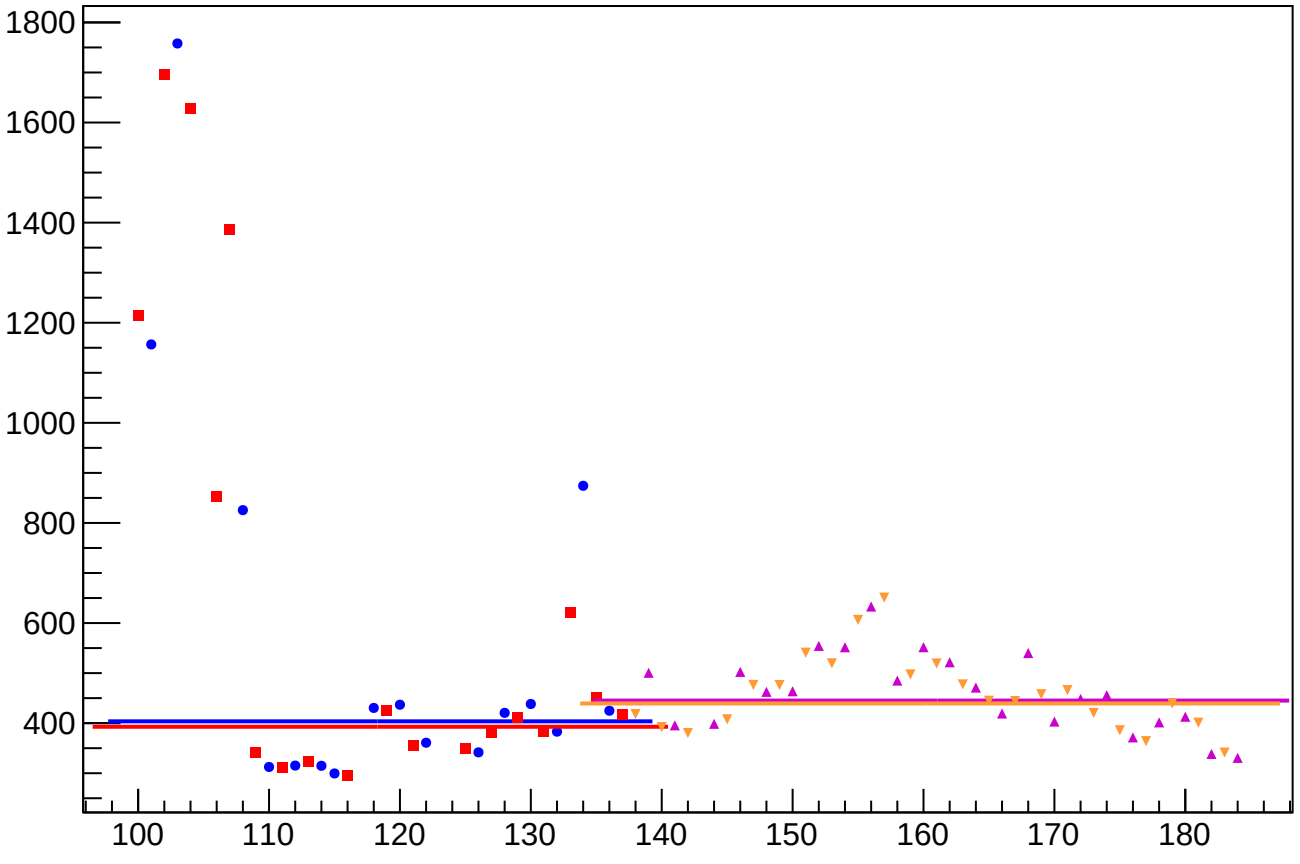
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

\+ sign -214.304+/-87.649 χ^2/NDF: 71.9/38

All: -140.574+/-62.042 χ^2/NDF: 118.8/79

\- sign -66.534+/-87.833 χ^2/NDF: 45.5/40



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

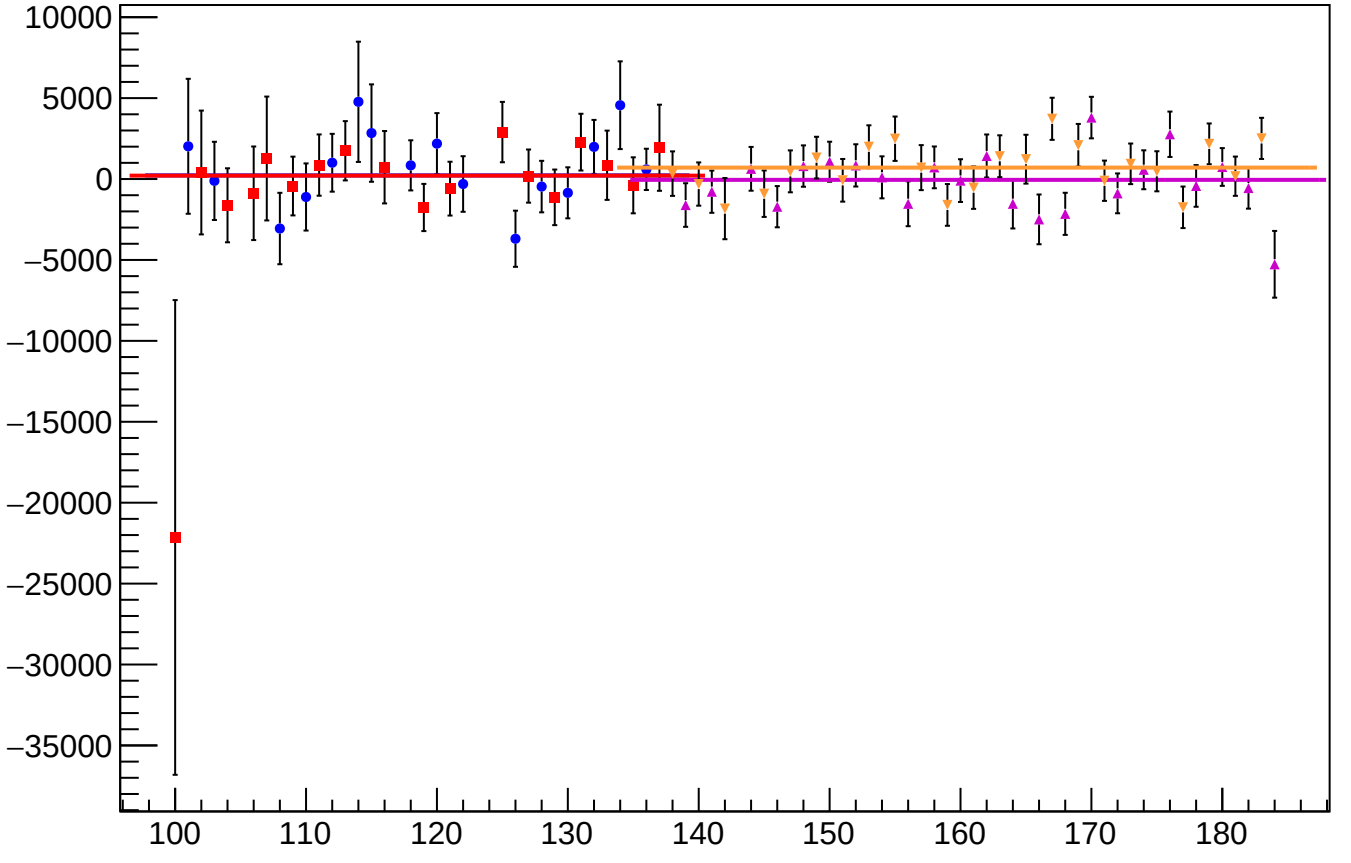
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 428.874+/-0.062 χ^2/NDF: 2804461.9/38

All: 428.995+/-0.044 χ^2/NDF: 6032991.9/79

- sign 429.116+/-0.062 χ^2/NDF: 3228522.4/40

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

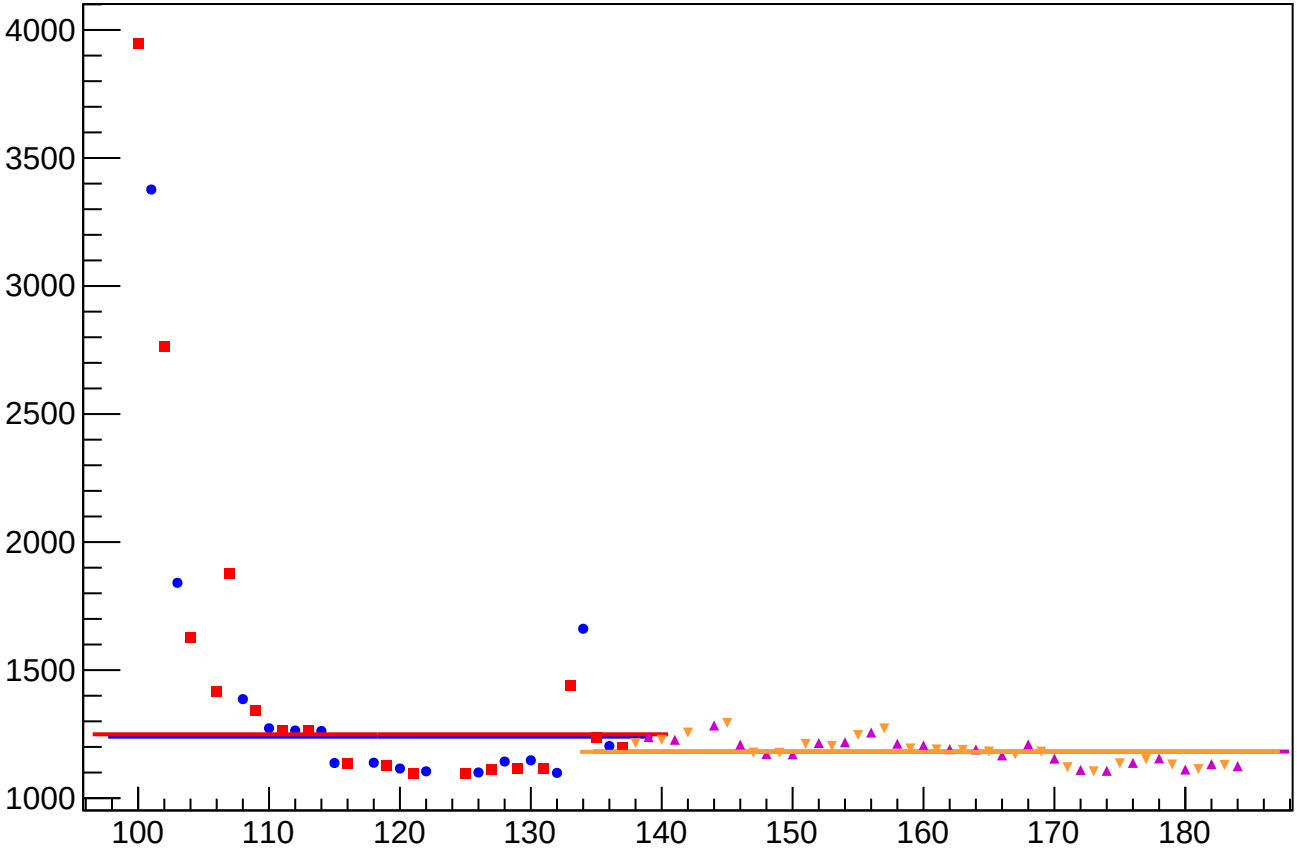
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

\+ sign 584.324+/-238.741 χ^2/NDF: 42.6/38

All: 299.846+/-168.954 χ^2/NDF: 91.6/79

\- sign 14.433+/-239.133 χ^2/NDF: 46.2/40

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

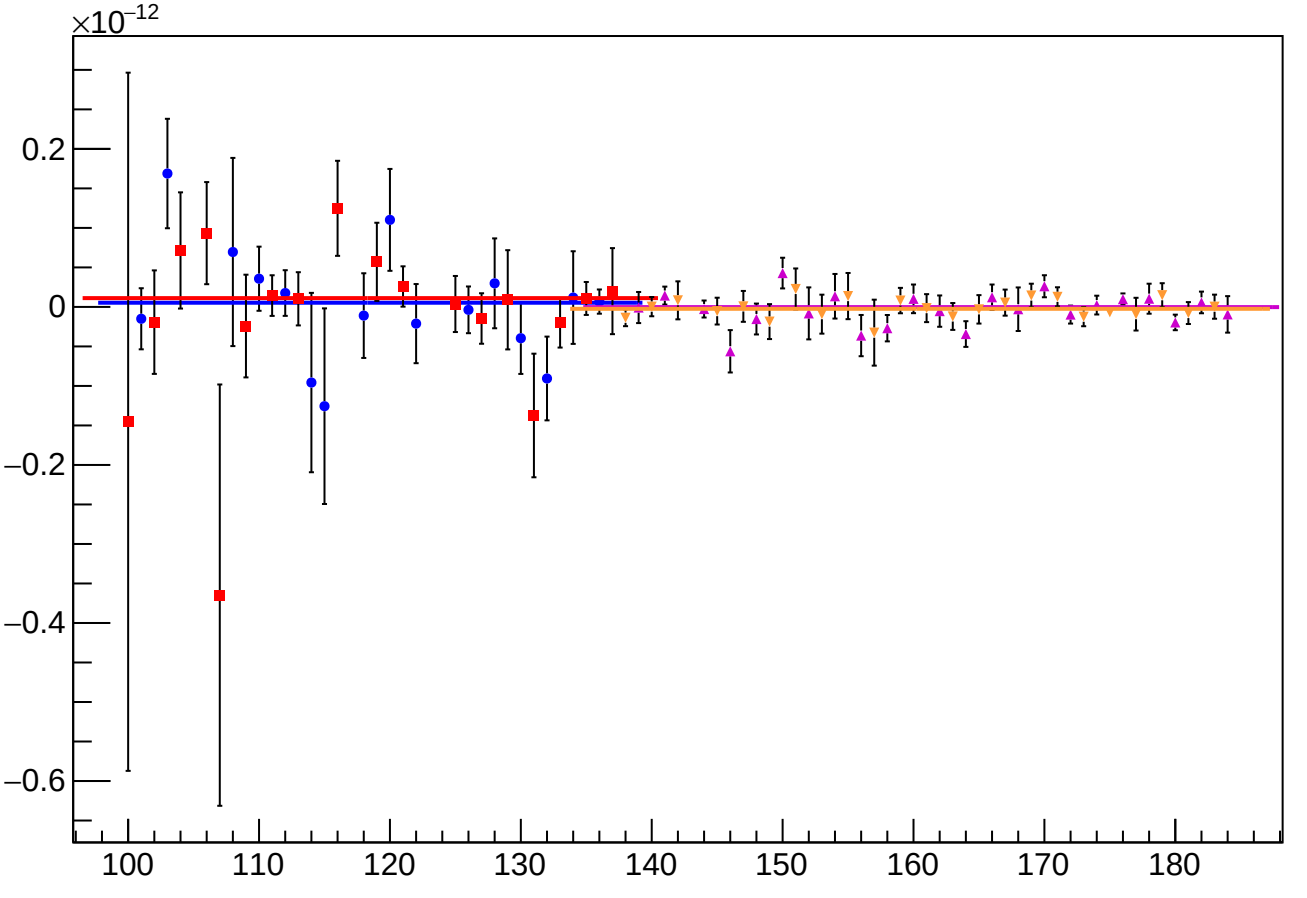
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1195.813+/-0.169 χ^2/NDF: 868772.2/38

All: 1197.319+/-0.119 χ^2/NDF: 1565286.4/79

- sign 1198.831+/-0.169 χ^2/NDF: 696354.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/22

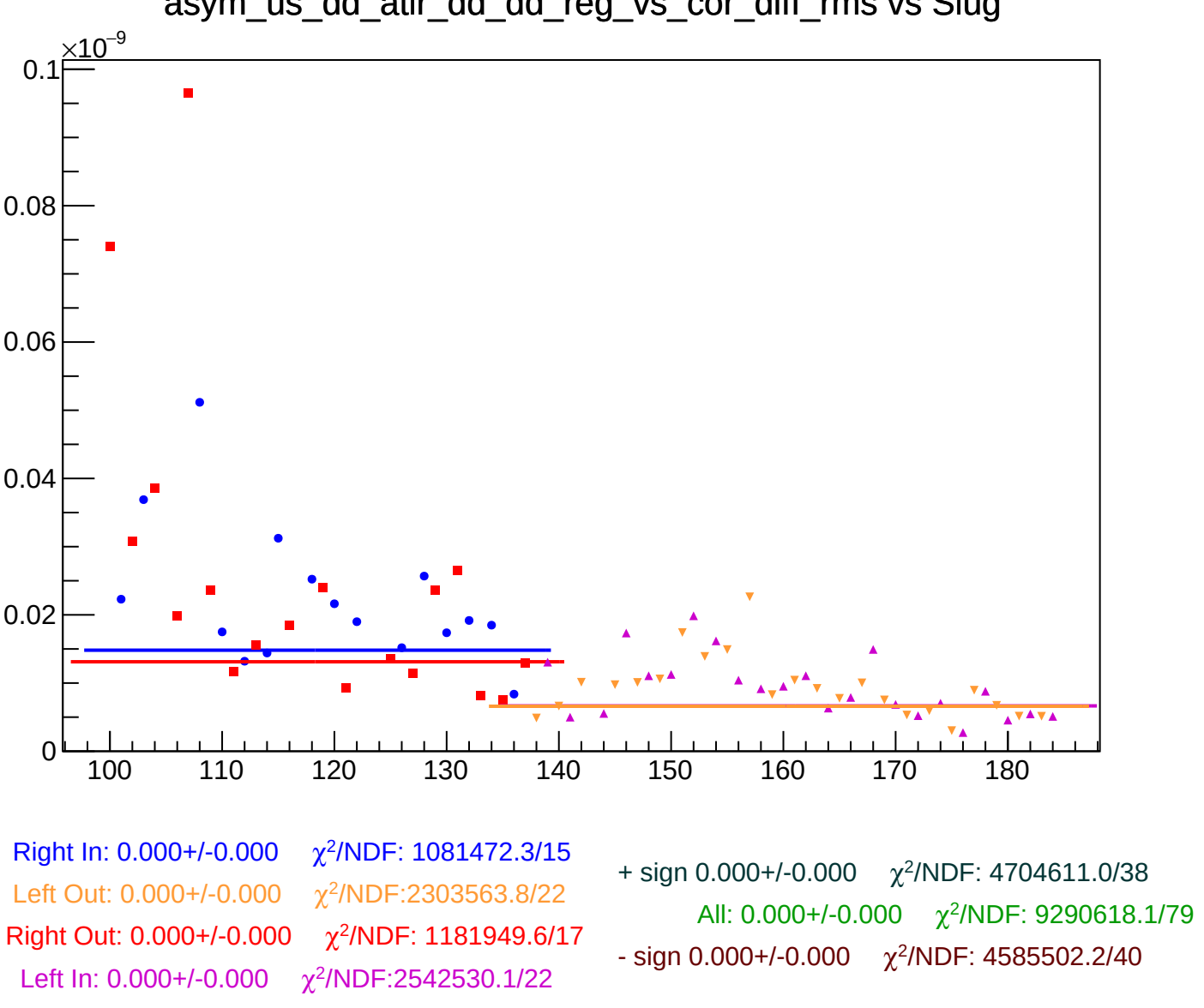
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

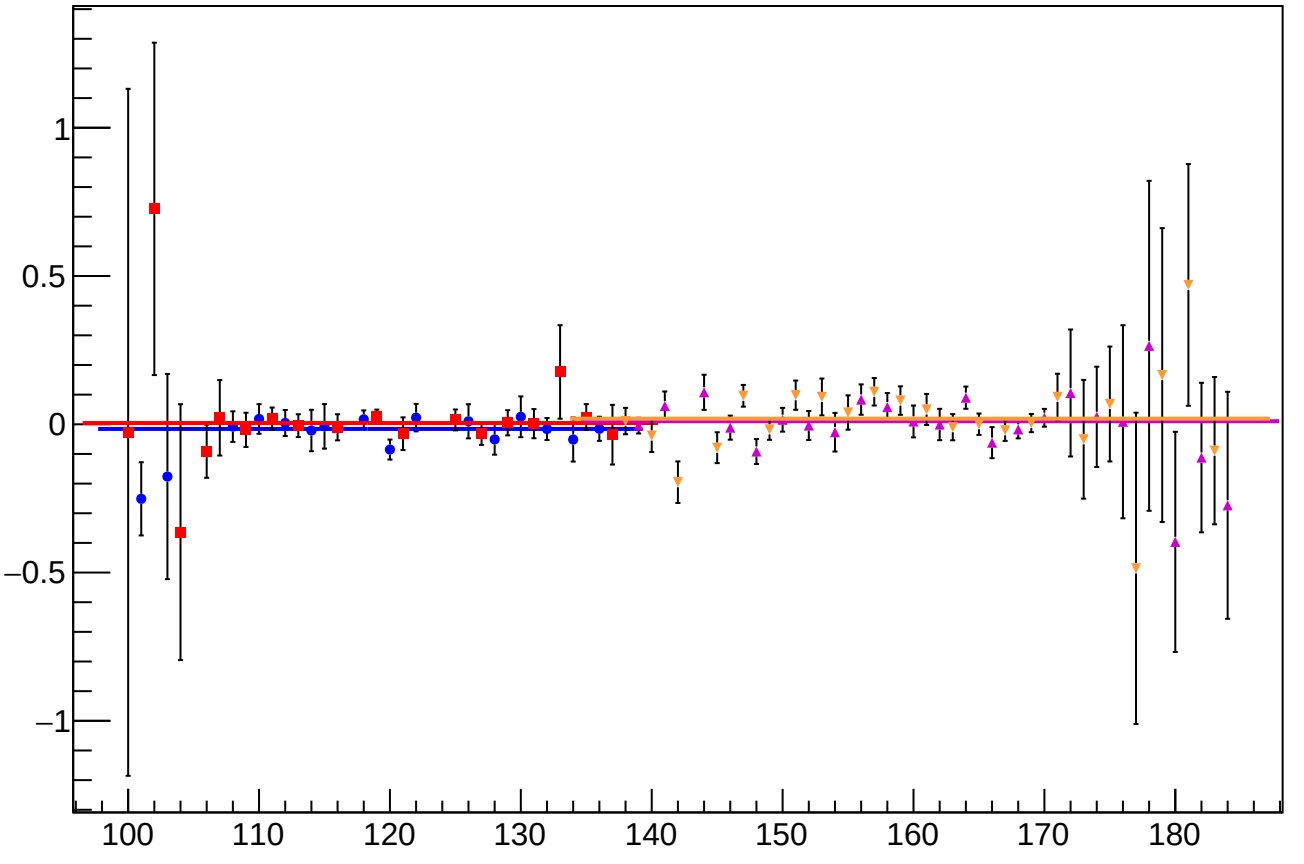
Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/38

All: -0.000+/-0.000 χ^2/NDF: 76.6/79

- sign 0.000+/-0.000 χ^2/NDF: 48.9/40


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:2542530.1/22
+ sign 0.000+/-0.000 χ²/NDF: 4704611.0/38
All: 0.000+/-0.000 χ²/NDF: 9290618.1/79
- sign 0.000+/-0.000 χ²/NDF: 4585502.2/40



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

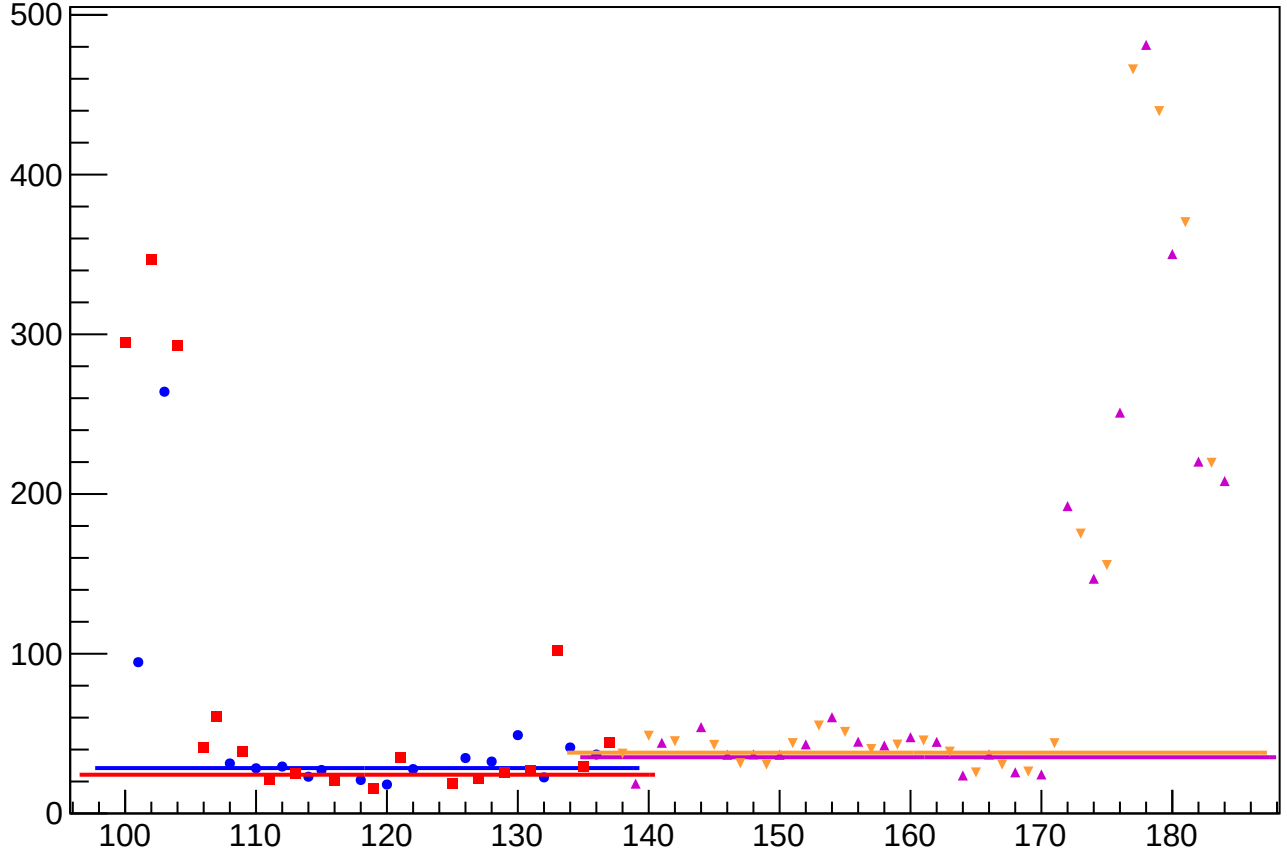
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 51.3/38

All: 0.006+/-0.006 χ^2/NDF: 83.0/79

- sign 0.008+/-0.008 χ^2/NDF: 31.6/40



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.082+/-0.008 χ^2/NDF:7961326.0/22

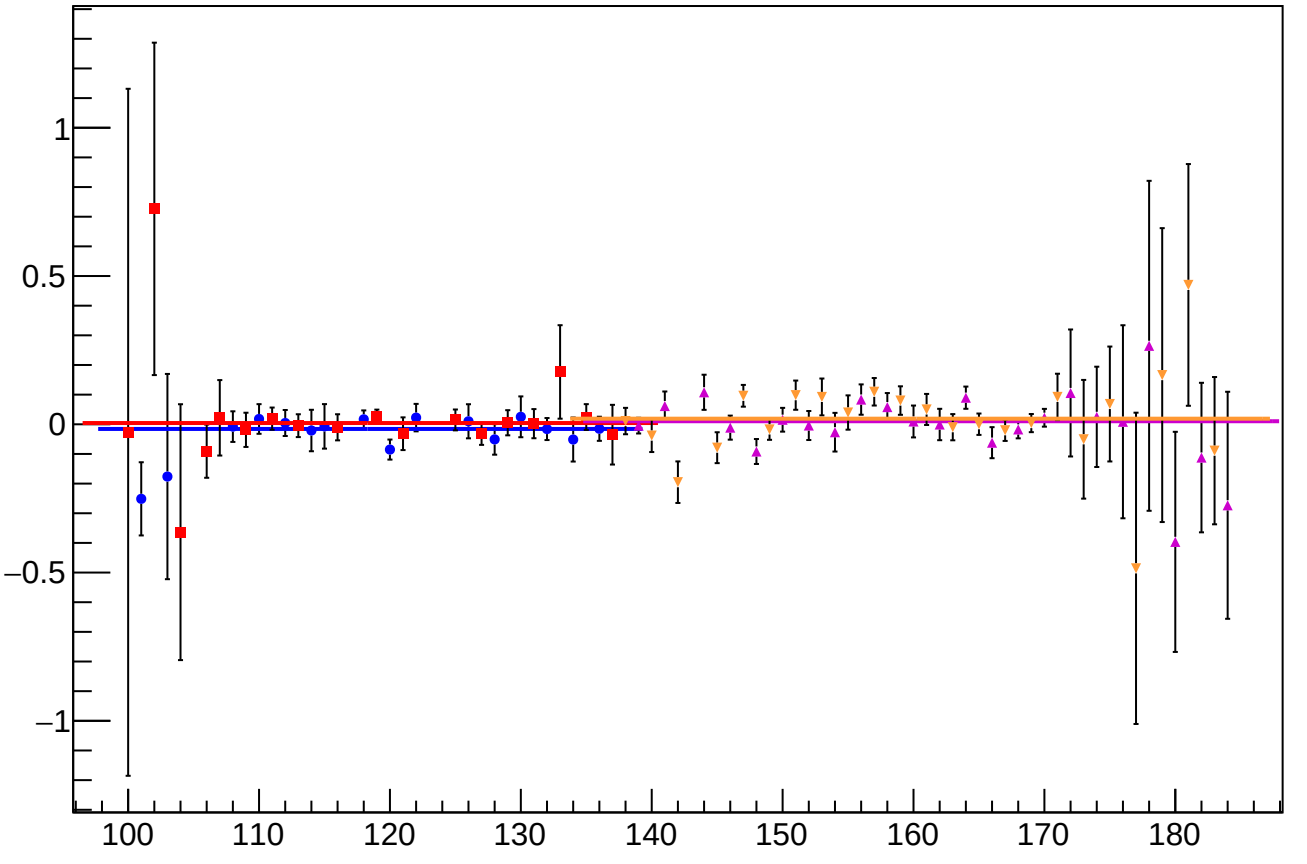
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.869+/-0.006 χ^2/NDF: 10903938.9/38

All: 31.984+/-0.004 χ^2/NDF: 24425011.9/79

- sign 30.316+/-0.005 χ^2/NDF: 13317969.3/40



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

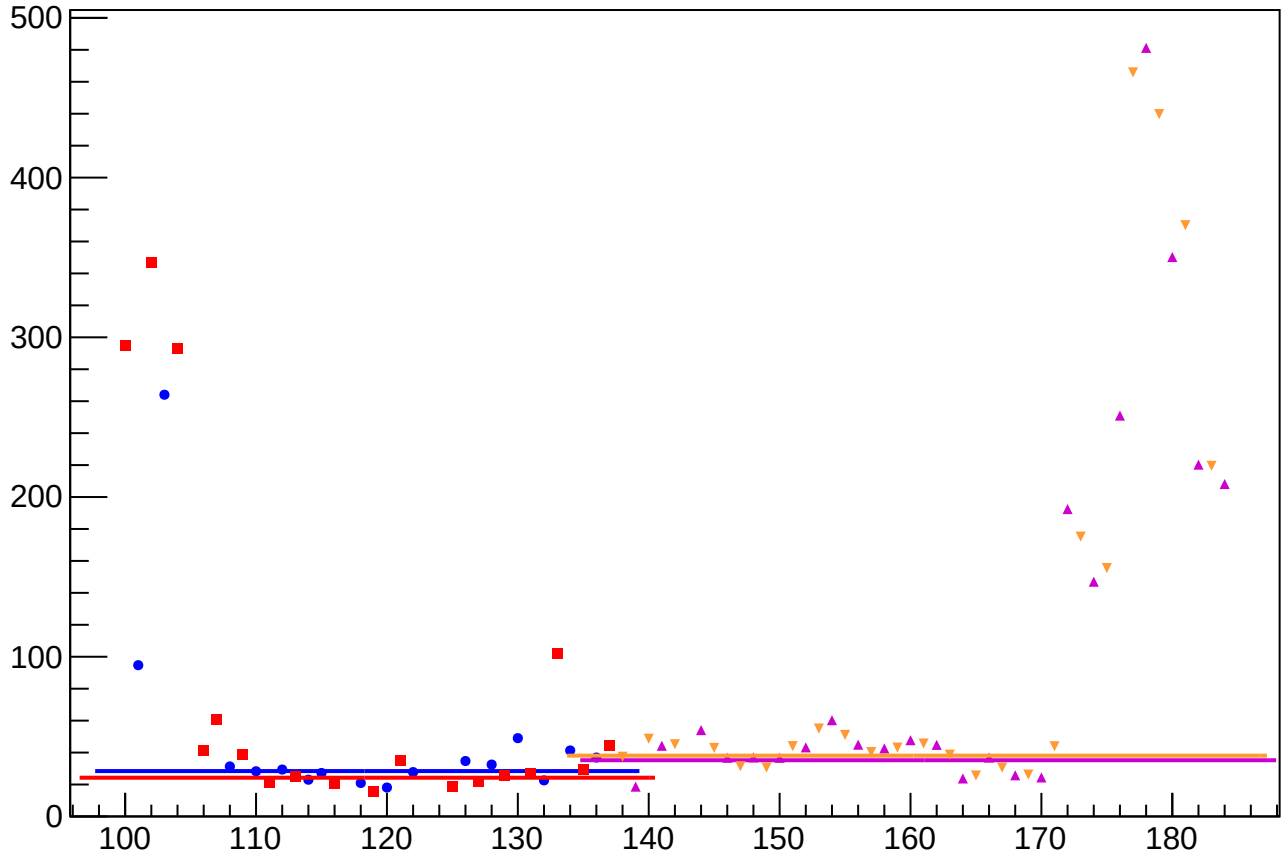
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 51.3/38

All: 0.006+/-0.006 χ^2/NDF: 83.0/79

- sign 0.008+/-0.008 χ^2/NDF: 31.6/40



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.082+/-0.008 χ^2/NDF:7961326.0/22

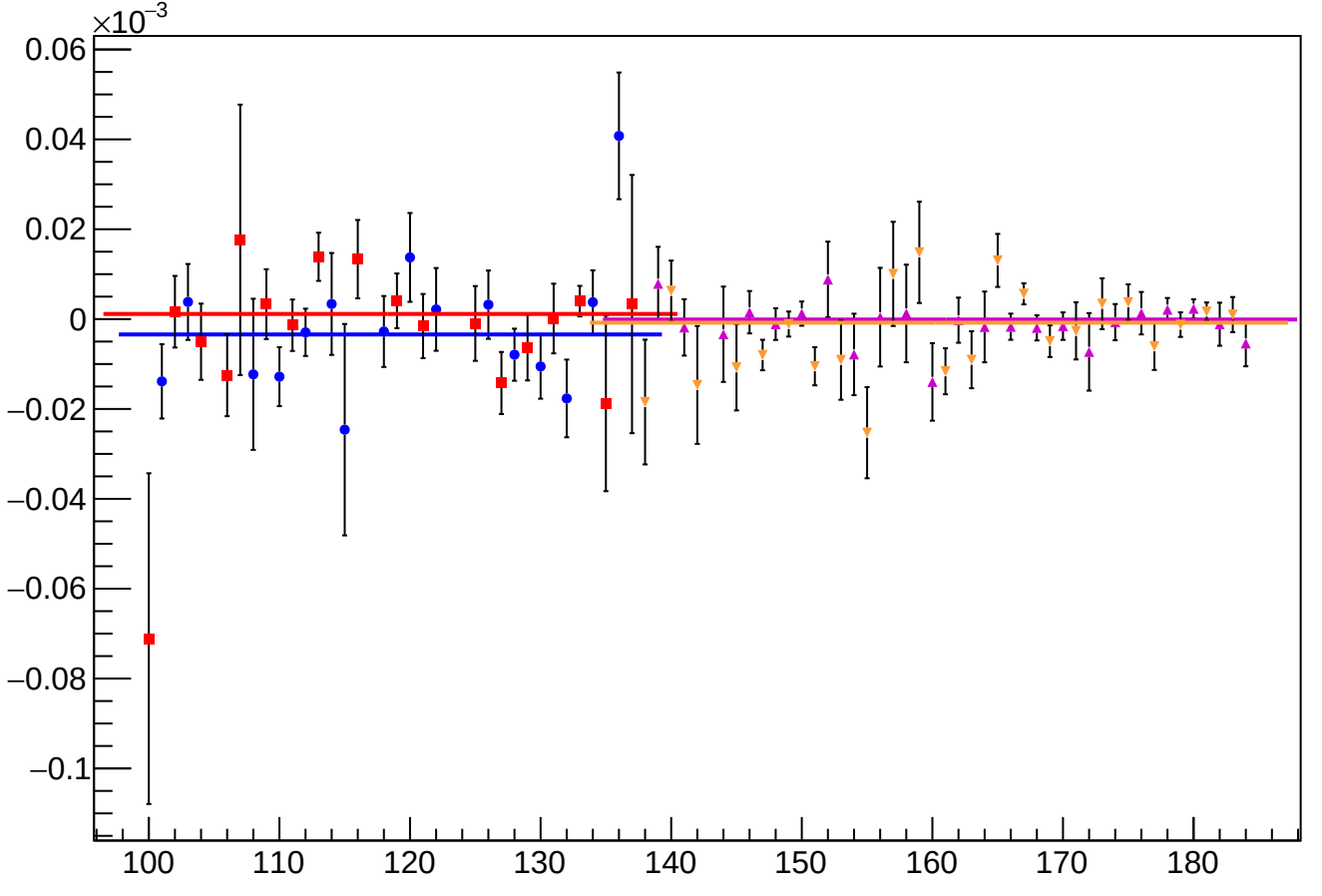
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.869+/-0.006 χ^2/NDF: 10903938.9/38

All: 31.984+/-0.004 χ^2/NDF: 24425011.9/79

- sign 30.316+/-0.005 χ^2/NDF: 13317969.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.3/22

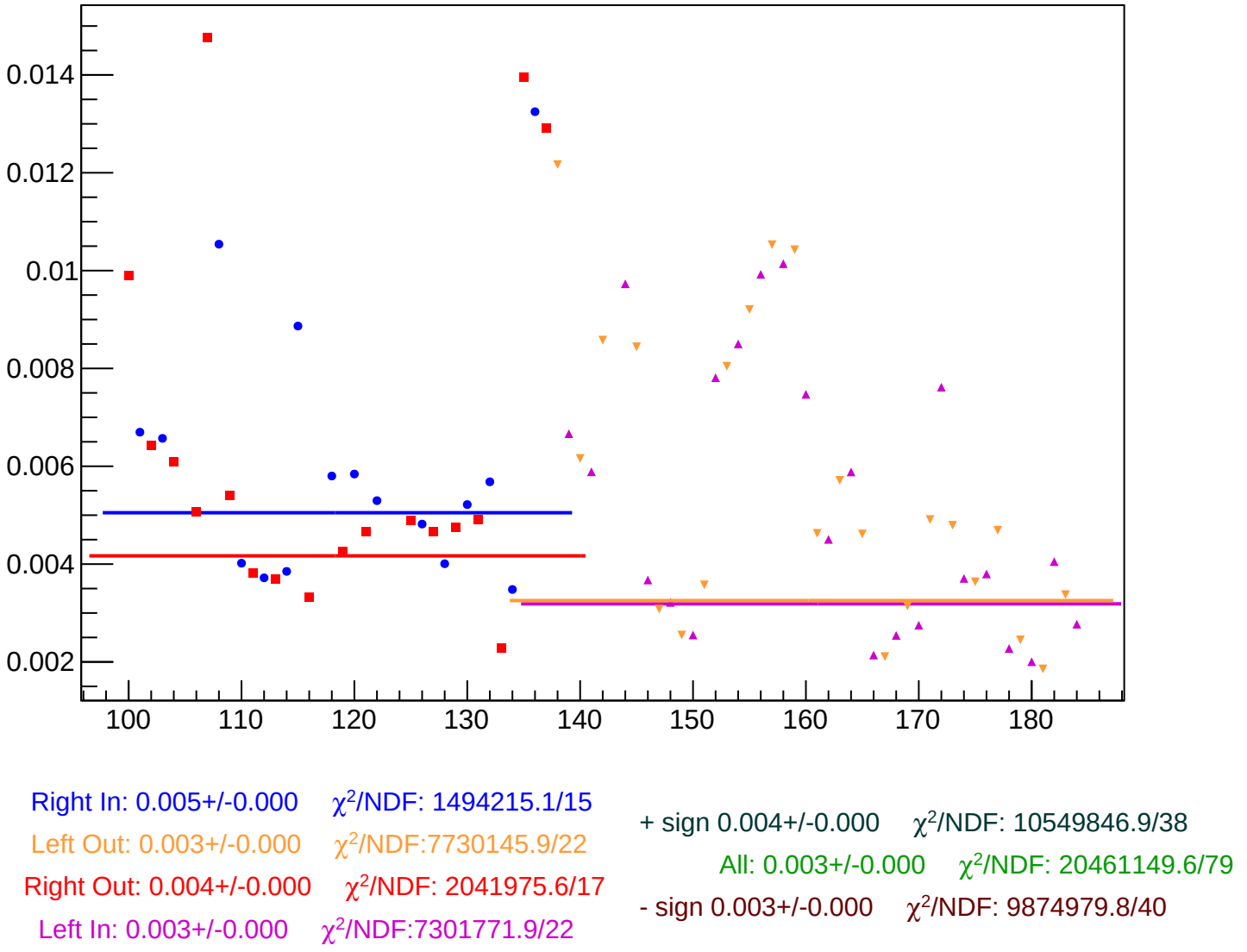
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

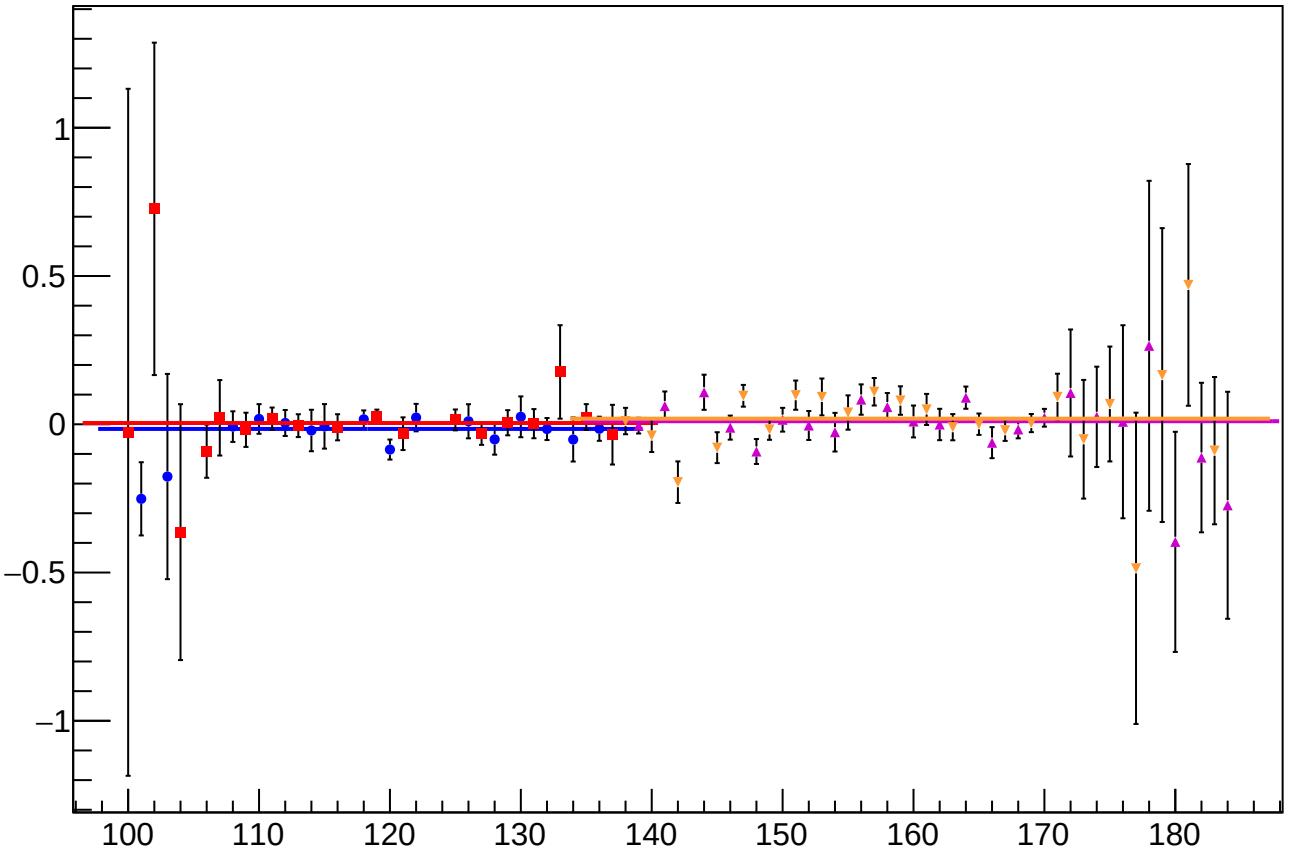
Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.9/38

All: -0.000+/-0.000 χ^2/NDF: 111.8/79

- sign 0.000+/-0.000 χ^2/NDF: 34.4/40


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:7301771.9/22
+ sign 0.004+/-0.000 χ²/NDF: 10549846.9/38
All: 0.003+/-0.000 χ²/NDF: 20461149.6/79
- sign 0.003+/-0.000 χ²/NDF: 9874979.8/40



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

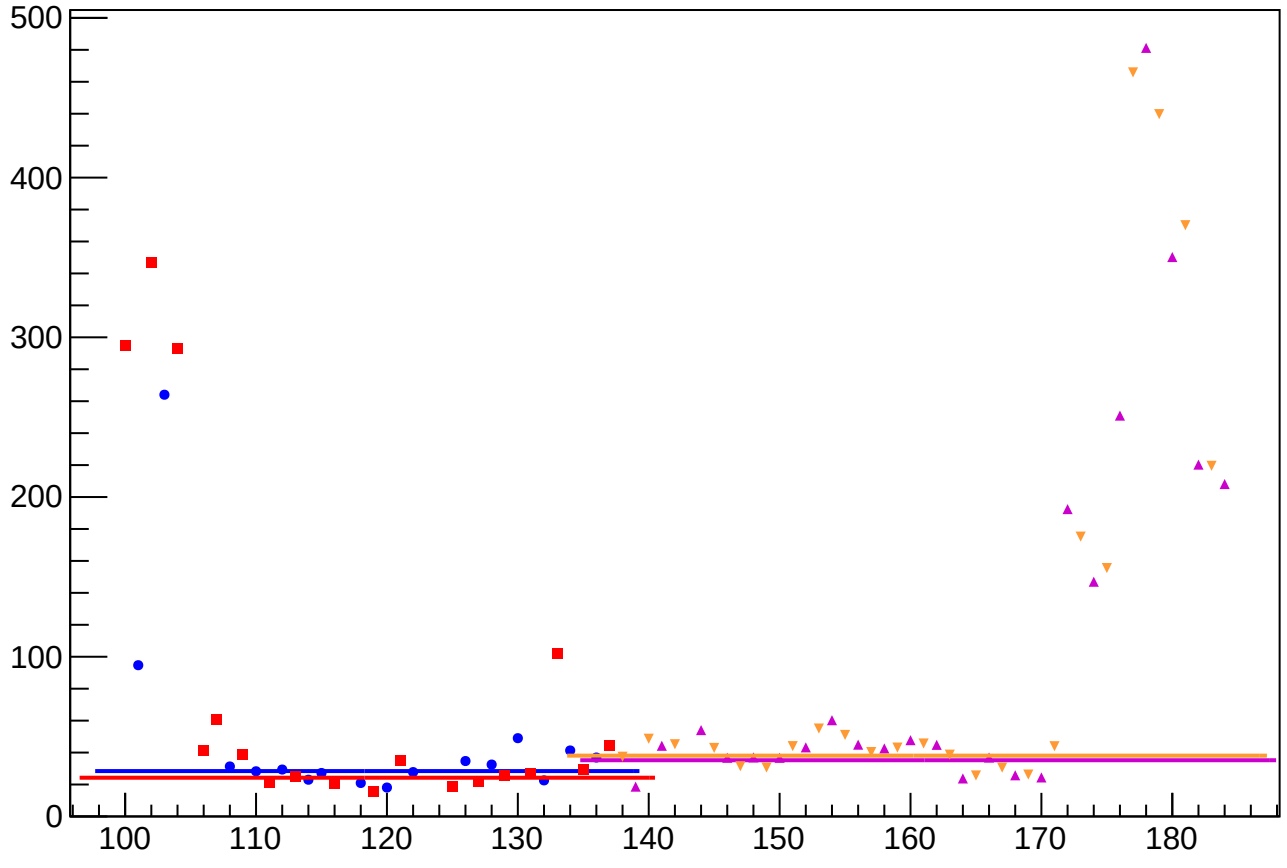
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 51.3/38

All: 0.006+/-0.006 χ^2/NDF: 83.0/79

- sign 0.008+/-0.008 χ^2/NDF: 31.6/40



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.081+/-0.008 χ^2/NDF:7961497.6/22

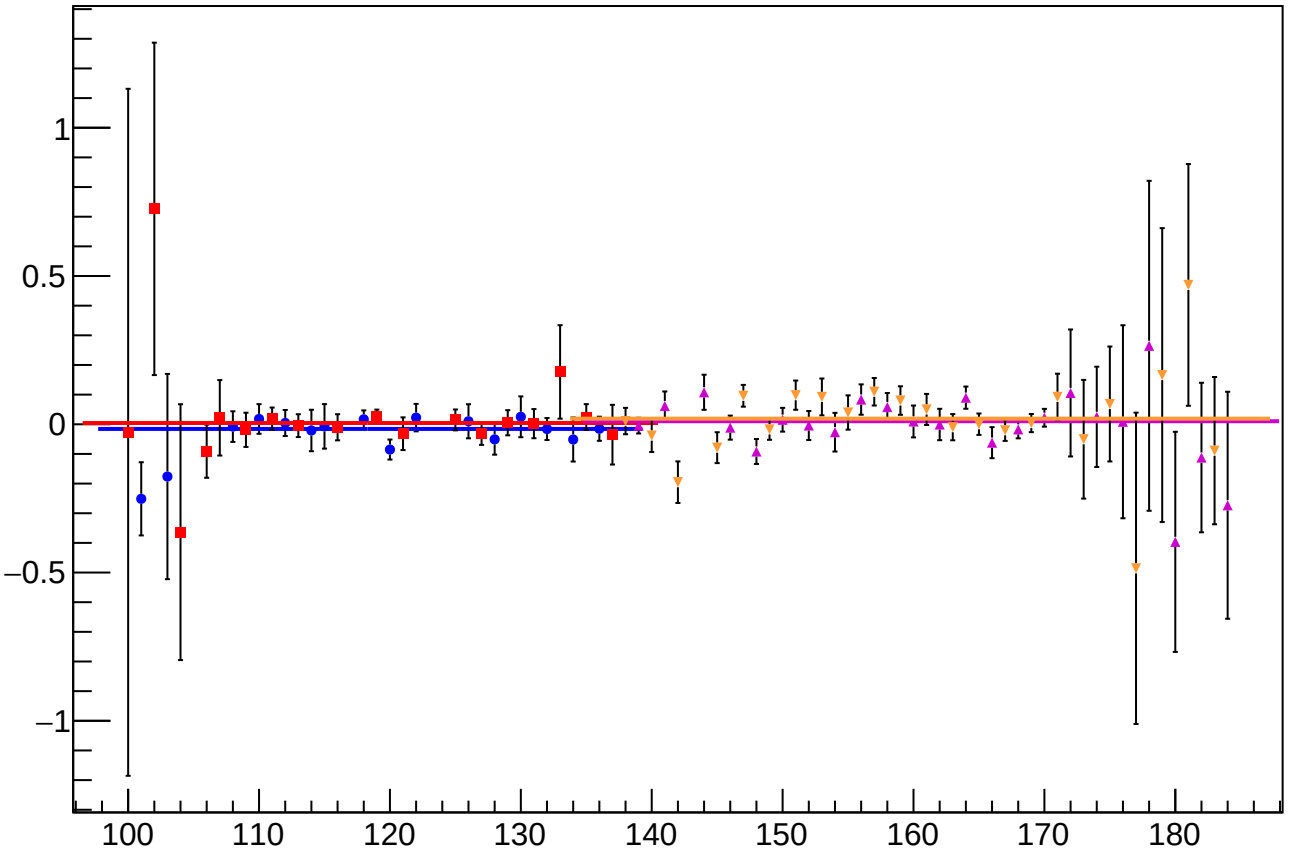
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.869+/-0.006 χ^2/NDF: 10904087.9/38

All: 31.983+/-0.004 χ^2/NDF: 24426227.6/79

- sign 30.315+/-0.005 χ^2/NDF: 13318928.4/40



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:34.9/22

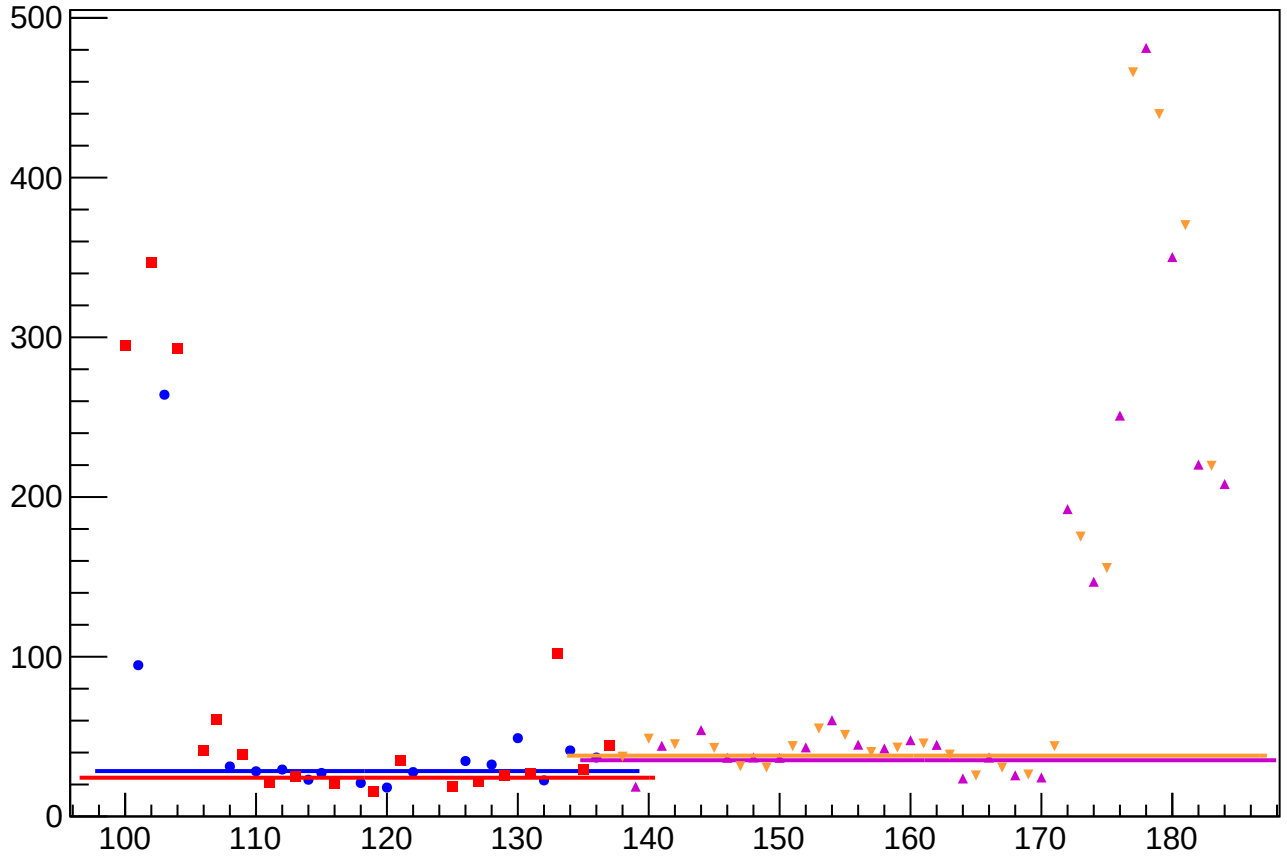
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 51.3/38

All: 0.006+/-0.006 χ^2/NDF: 83.0/79

- sign 0.008+/-0.008 χ^2/NDF: 31.6/40



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.081+/-0.008 χ^2/NDF:7961497.6/22

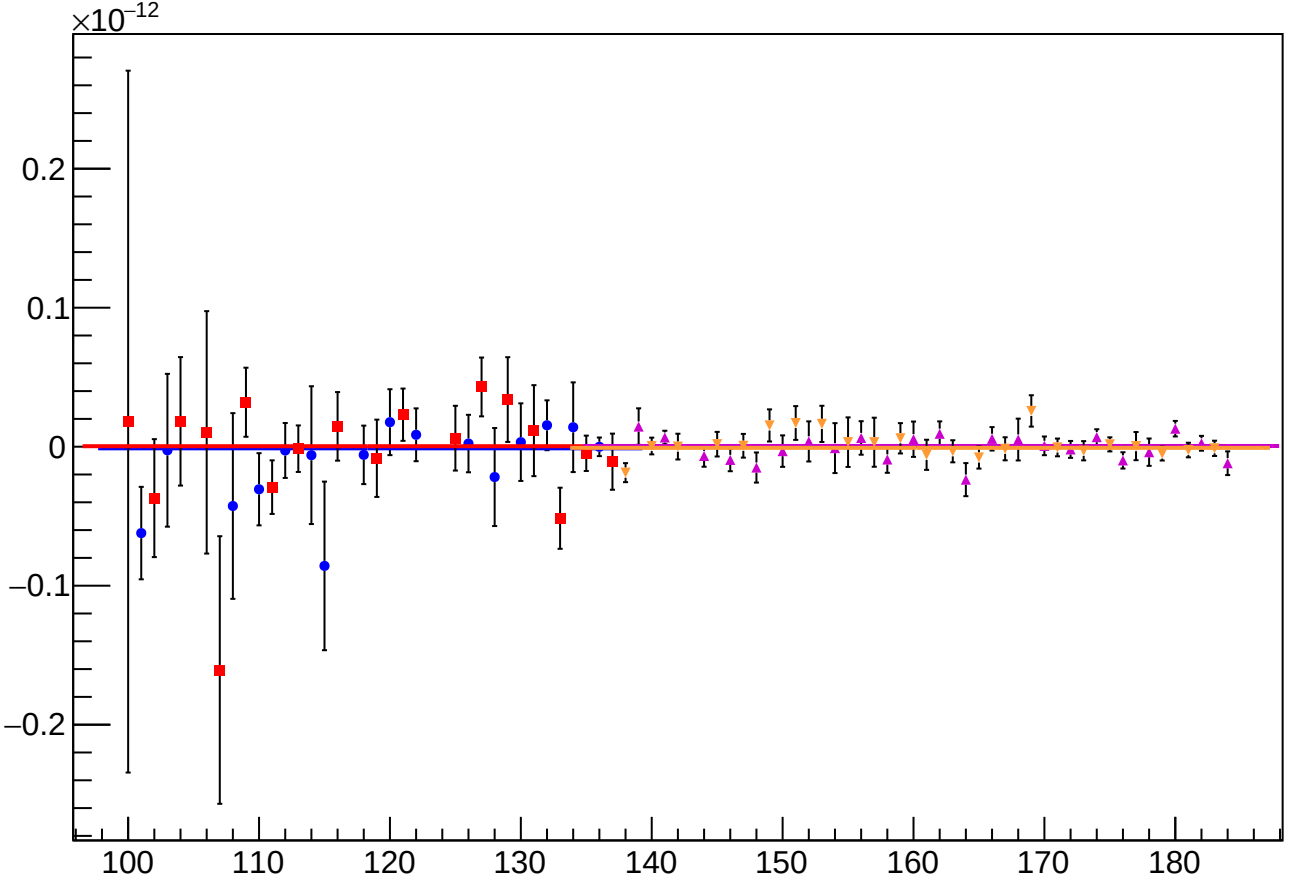
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.869+/-0.006 χ^2/NDF: 10904087.9/38

All: 31.983+/-0.004 χ^2/NDF: 24426227.6/79

- sign 30.315+/-0.005 χ^2/NDF: 13318928.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/22

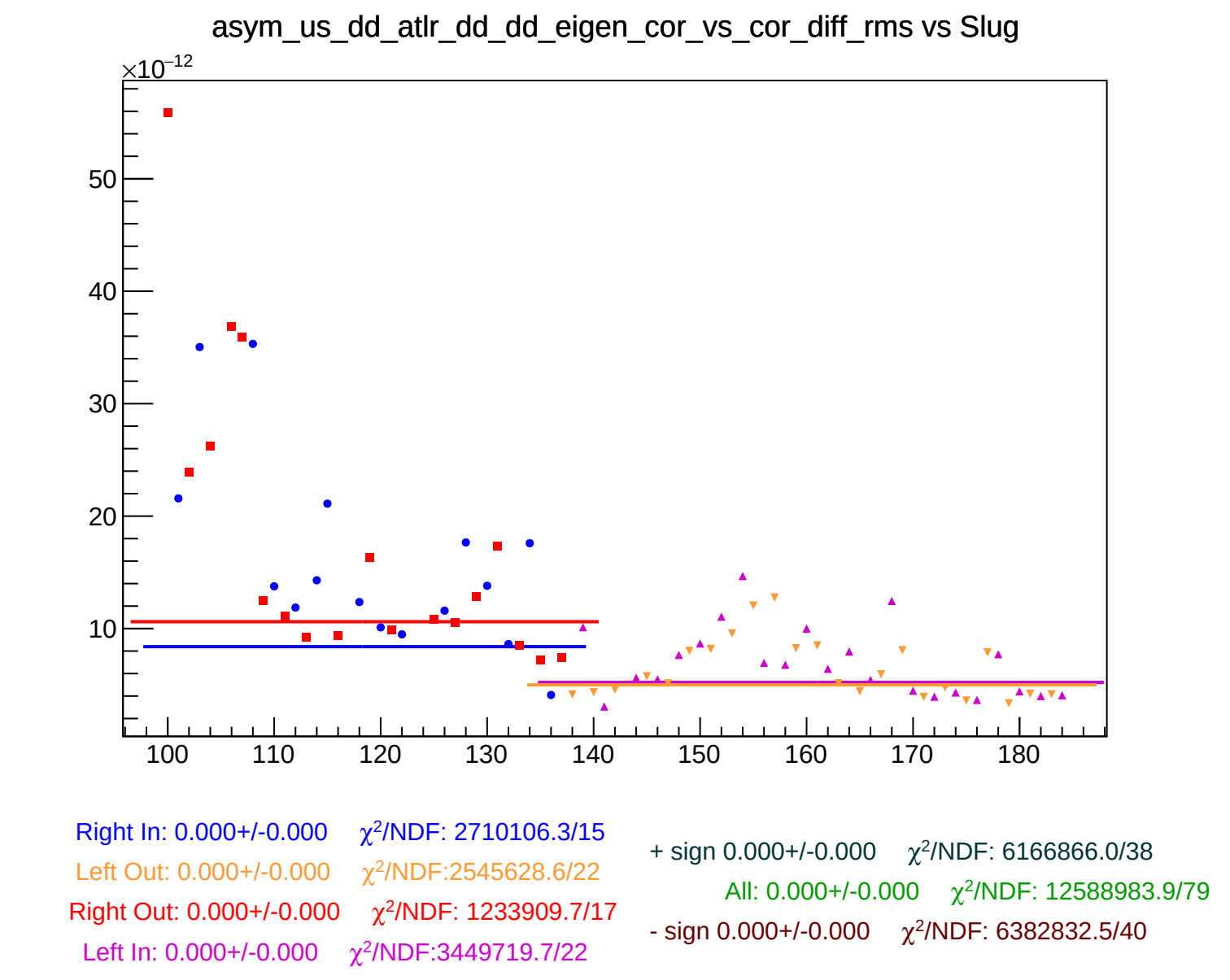
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

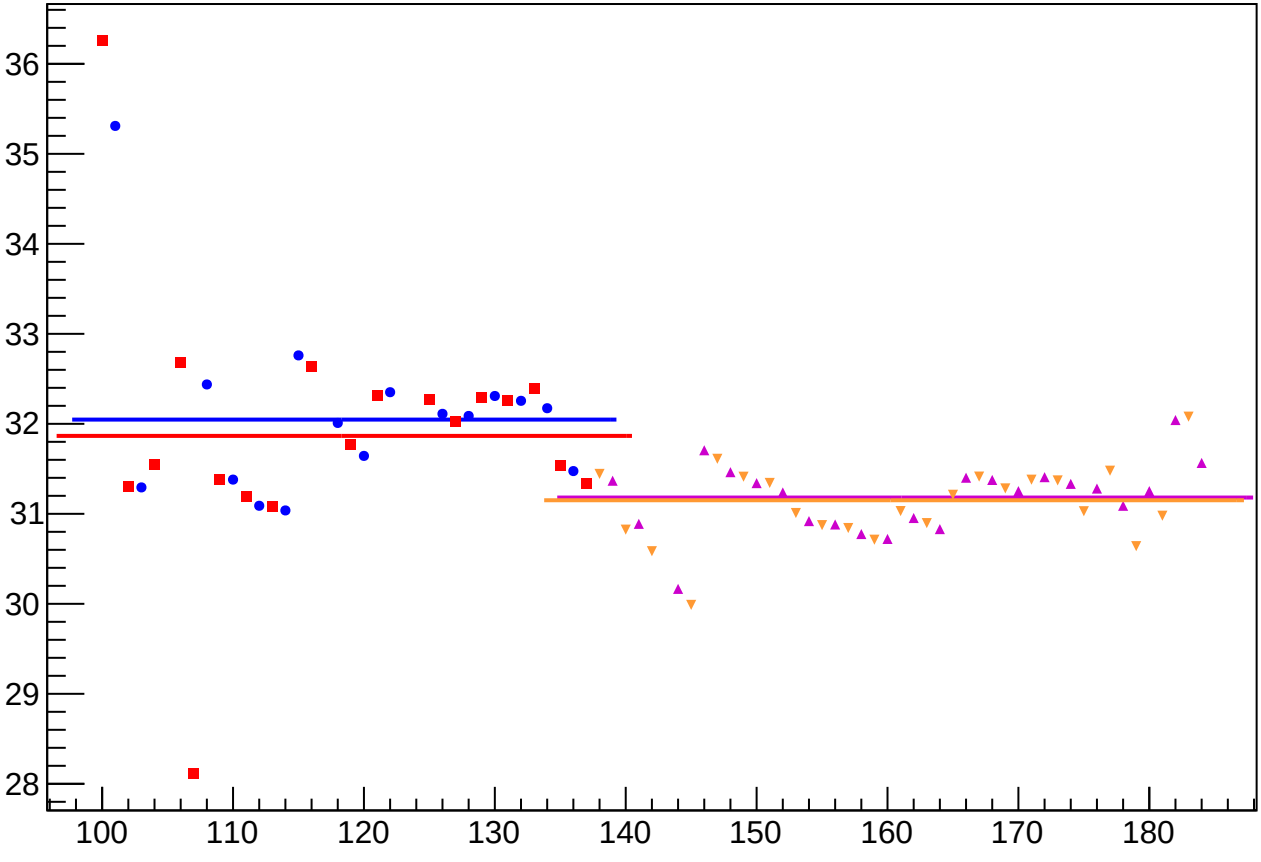
+ sign -0.000+/-0.000 χ^2/NDF: 30.5/38

All: -0.000+/-0.000 χ^2/NDF: 78.2/79

- sign 0.000+/-0.000 χ^2/NDF: 47.3/40


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:3449719.7/22
+ sign 0.000+/-0.000 χ²/NDF: 6166866.0/38
All: 0.000+/-0.000 χ²/NDF: 12588983.9/79
- sign 0.000+/-0.000 χ²/NDF: 6382832.5/40

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

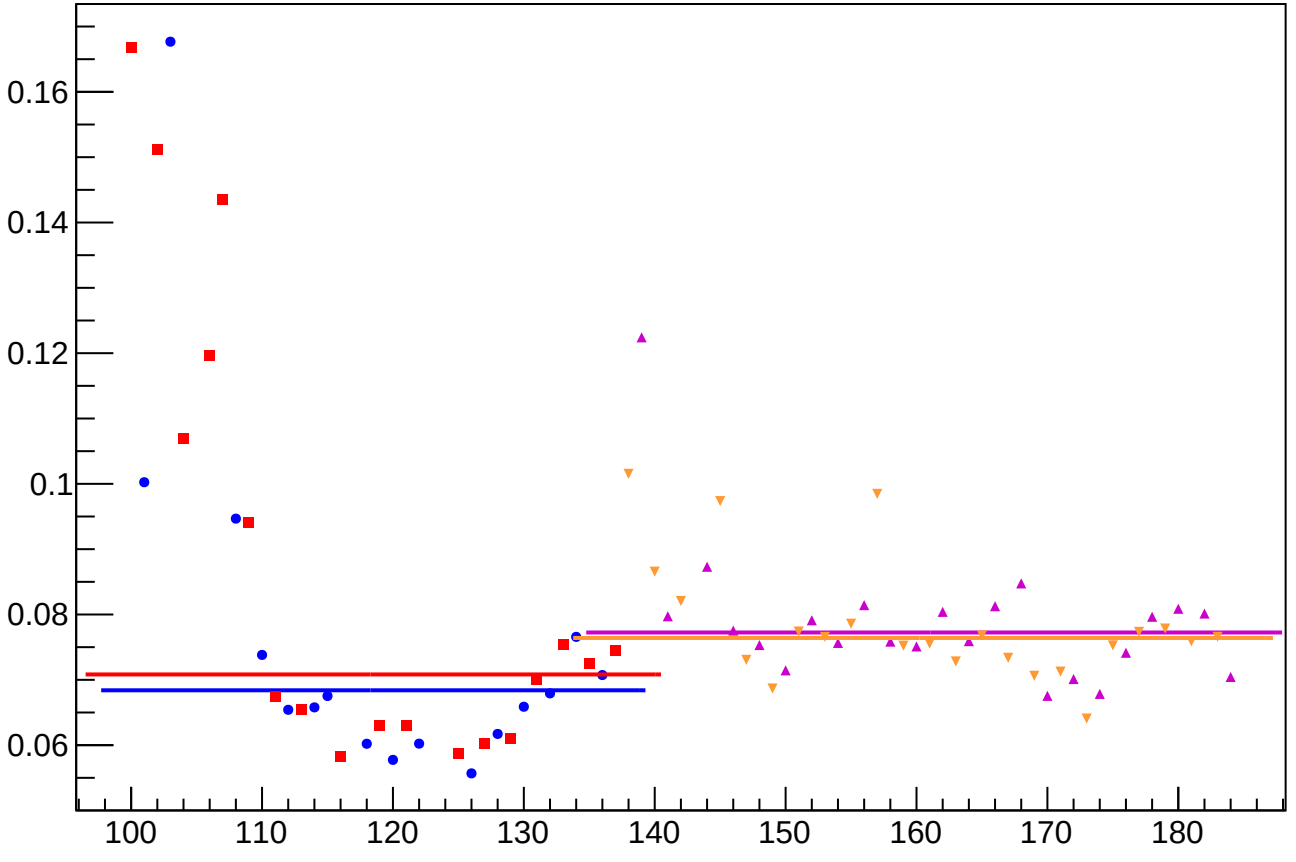
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.439+/-0.000 χ^2/NDF: 2056939464.1/38

All: 31.416+/-0.000 χ^2/NDF: 3325659178.1/7

- sign 31.393+/-0.000 χ^2/NDF: 1264439887.2/40

yield_usl_rms vs Slug



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

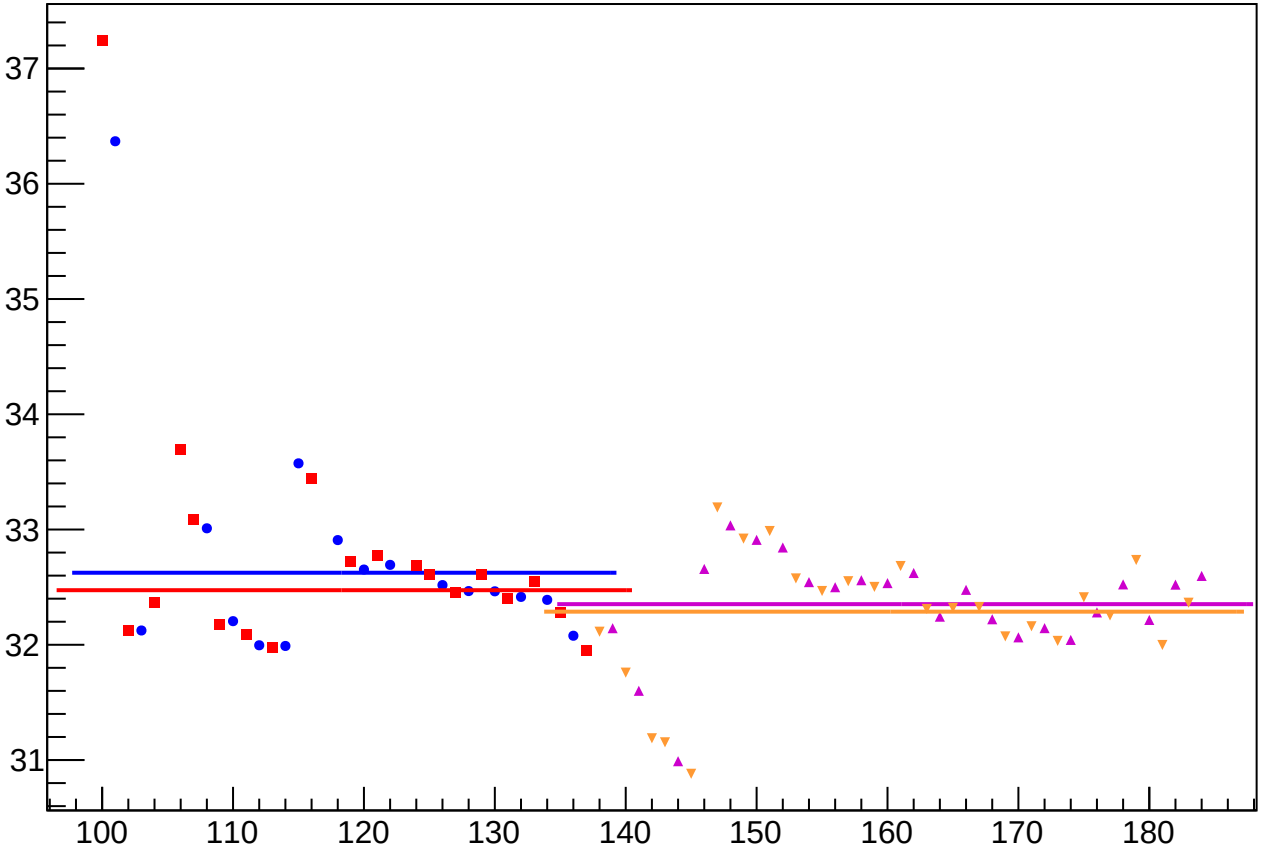
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.074+/-0.000 χ^2/NDF: 1172275.9/38

All: 0.075+/-0.000 χ^2/NDF: 2484693.4/79

- sign 0.075+/-0.000 χ^2/NDF: 1304147.3/40

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

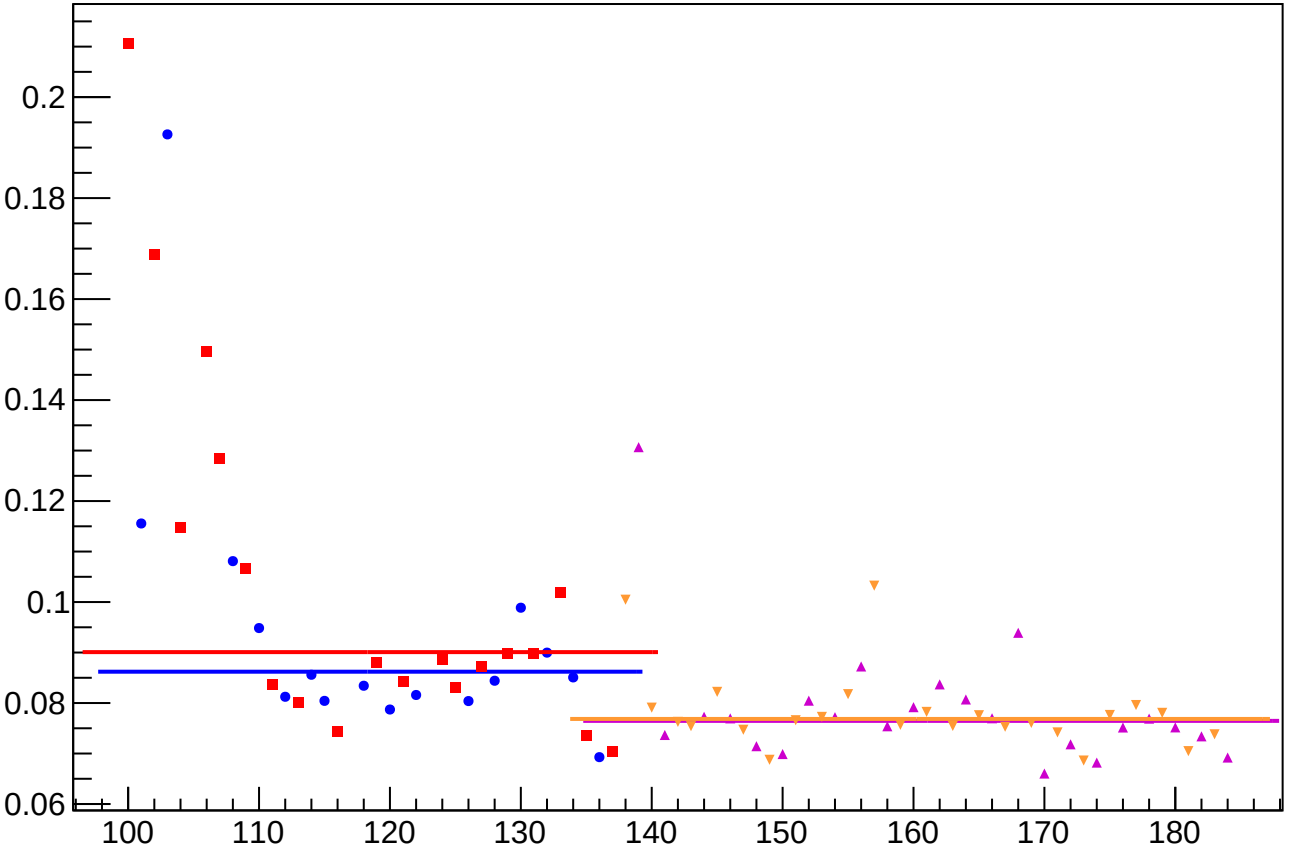
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

\+ sign 32.362+/-0.000 χ^2/NDF: 1648493061.6/39

All: 32.370+/-0.000 χ^2/NDF: 2404797944.5/8

\- sign 32.379+/-0.000 χ^2/NDF: 755813049.9/41

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

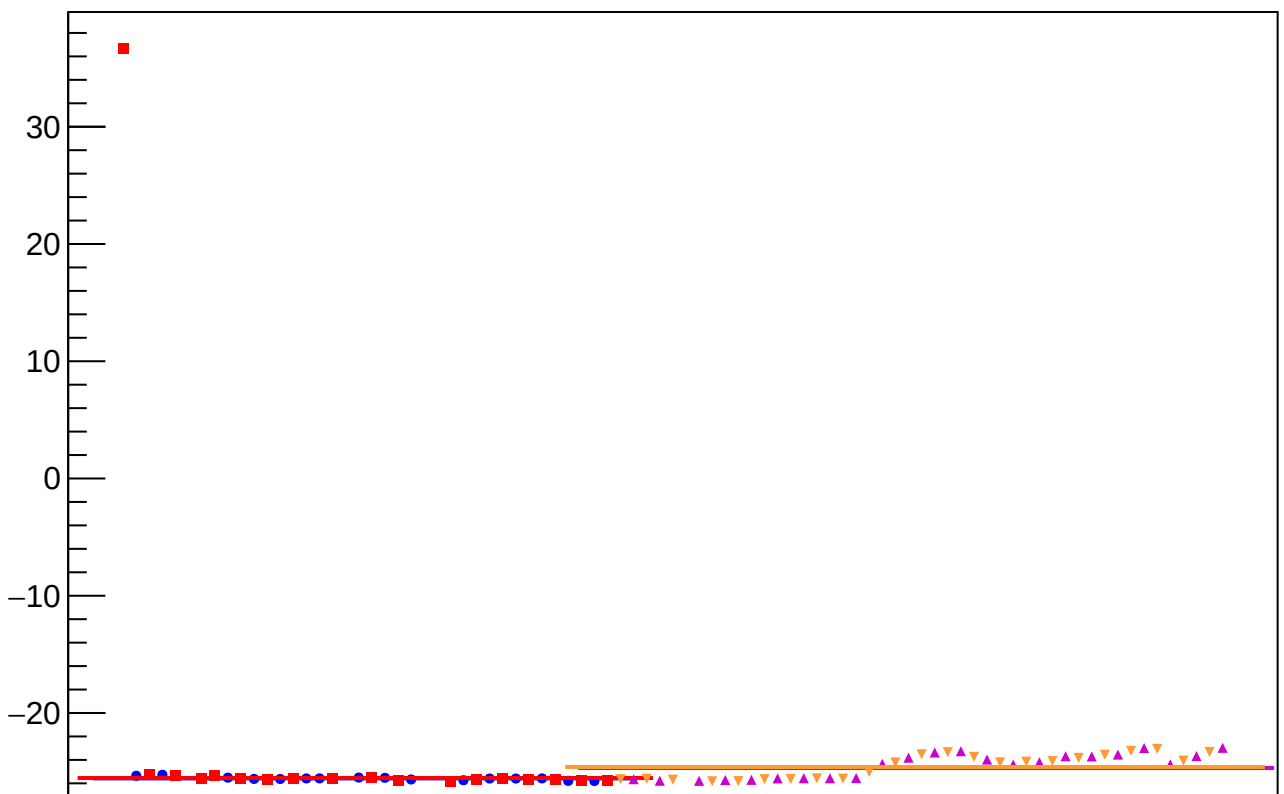
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

\+ sign 0.079+/-0.000 χ^2/NDF: 962036.8/39

All: 0.079+/-0.000 χ^2/NDF: 2298095.5/81

\- sign 0.079+/-0.000 χ^2/NDF: 1335195.8/41

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

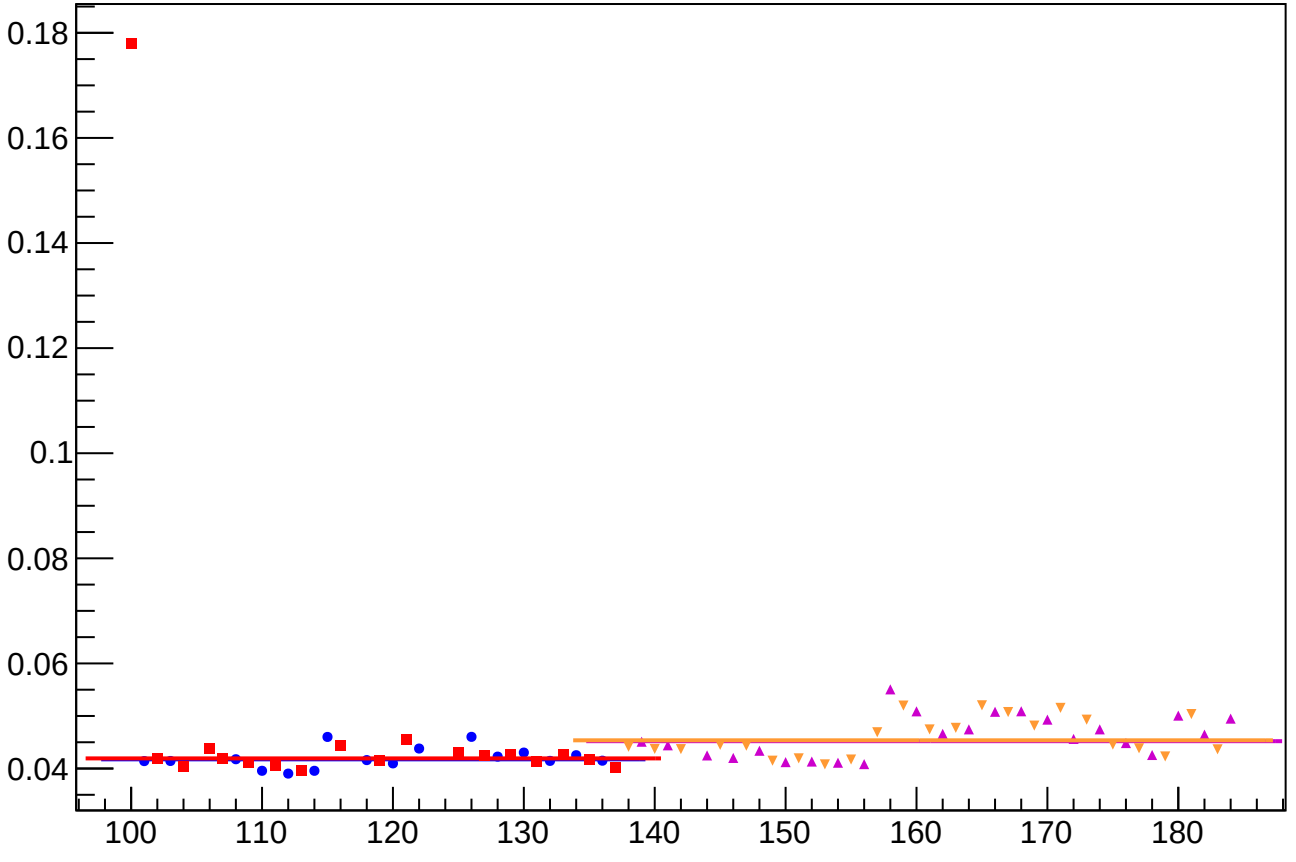
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -24.920+/-0.000 χ^2/NDF: 11651757890.7/38

All: -24.942+/-0.000 χ^2/NDF: 31435571298.2

- sign -24.963+/-0.000 χ^2/NDF: 19772055386.3/40

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

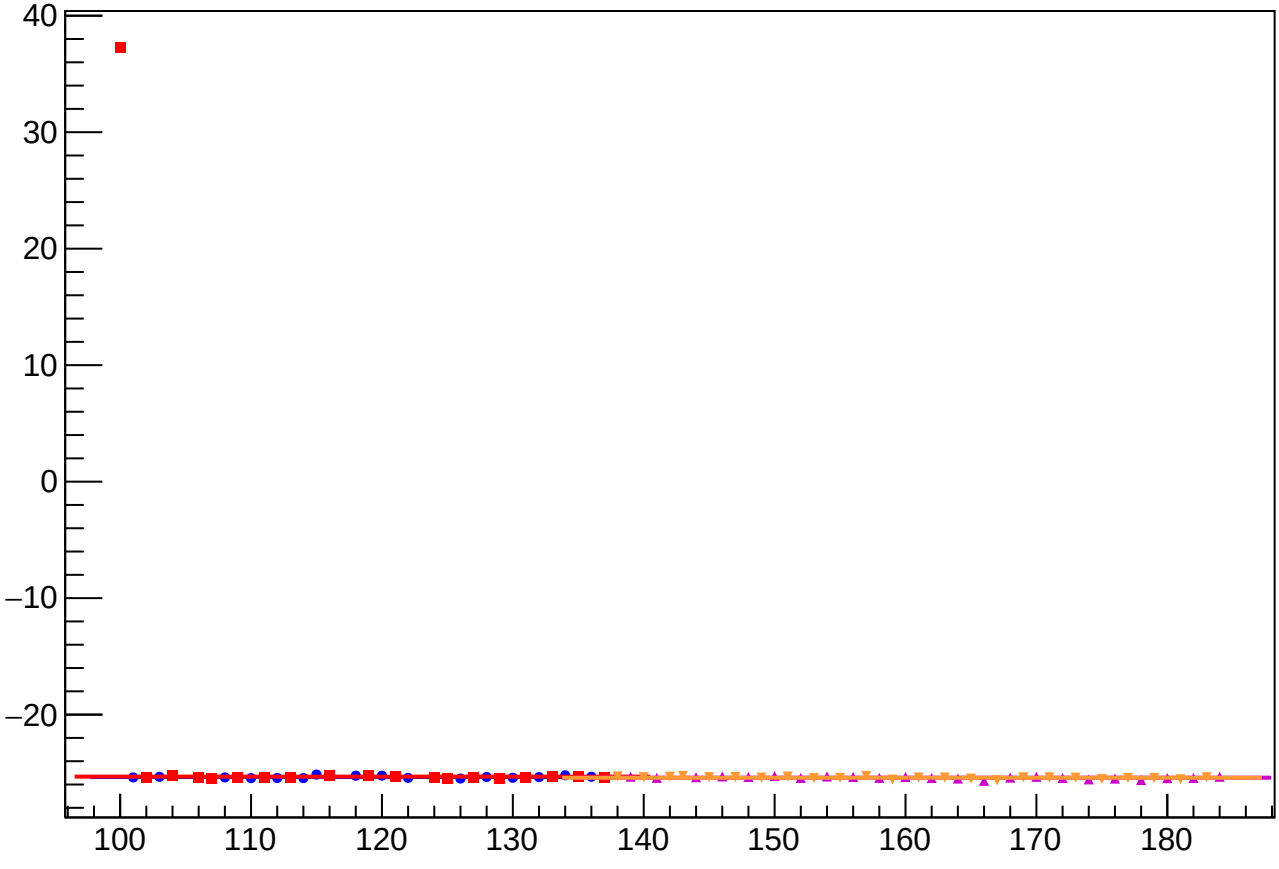
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.044+/-0.000 χ^2/NDF: 297458.4/38

All: 0.044+/-0.000 χ^2/NDF: 702335.0/79

- sign 0.044+/-0.000 χ^2/NDF: 404849.0/40

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

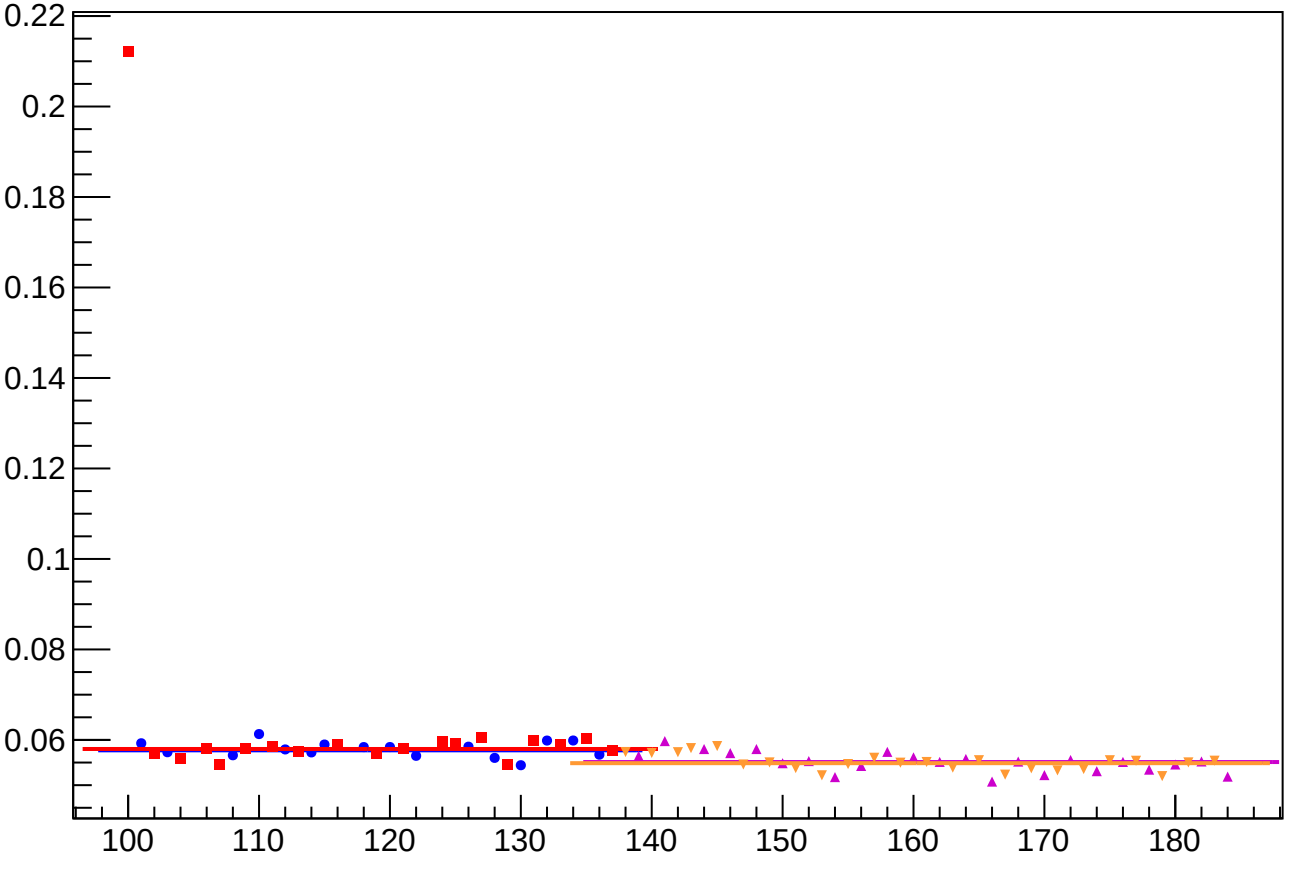
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.403+/-0.000 χ^2/NDF: 70050784.2/39

All: -25.396+/-0.000 χ^2/NDF: 6454927710.7/

- sign -25.389+/-0.000 χ^2/NDF: 6384091957.2/41

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

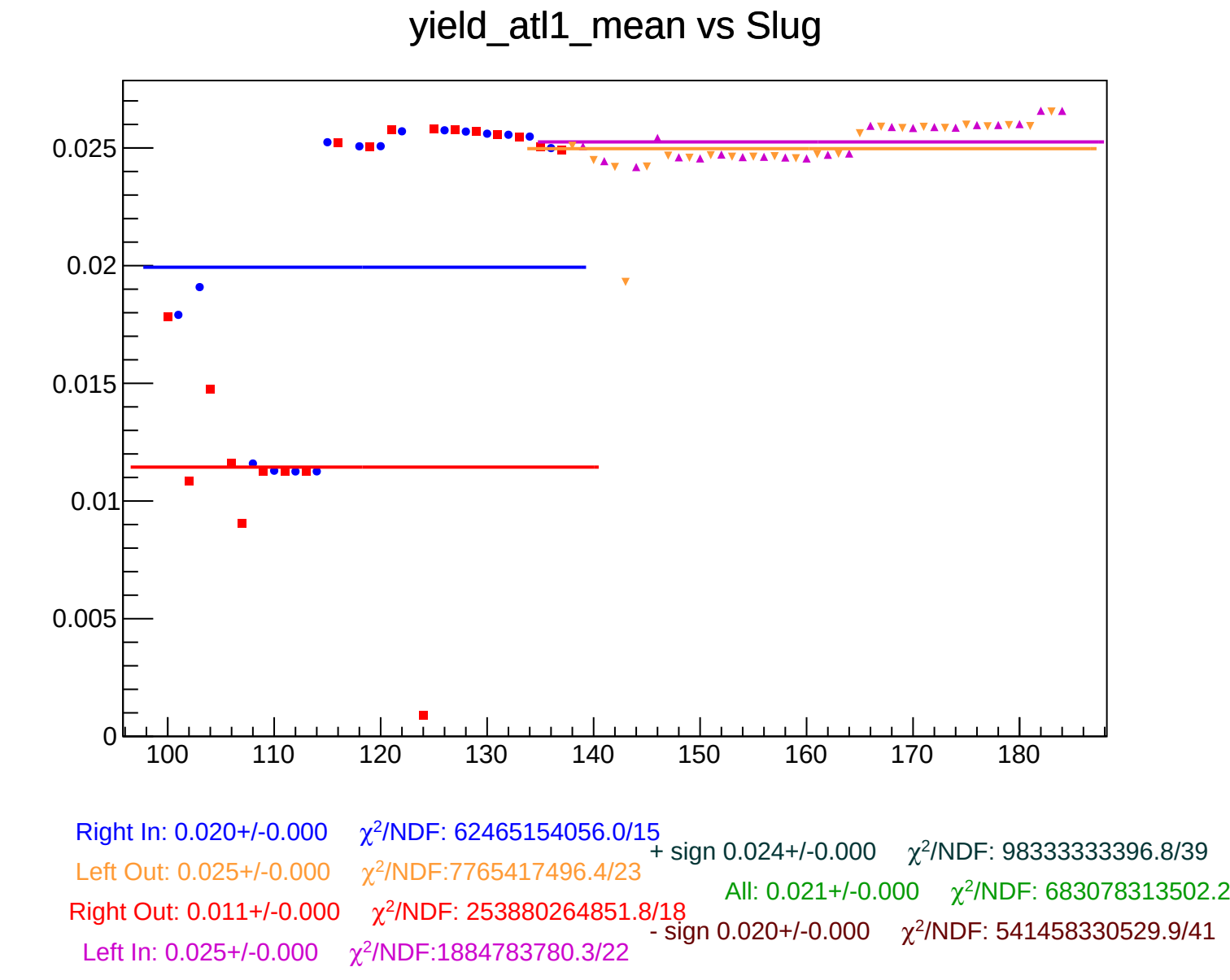
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

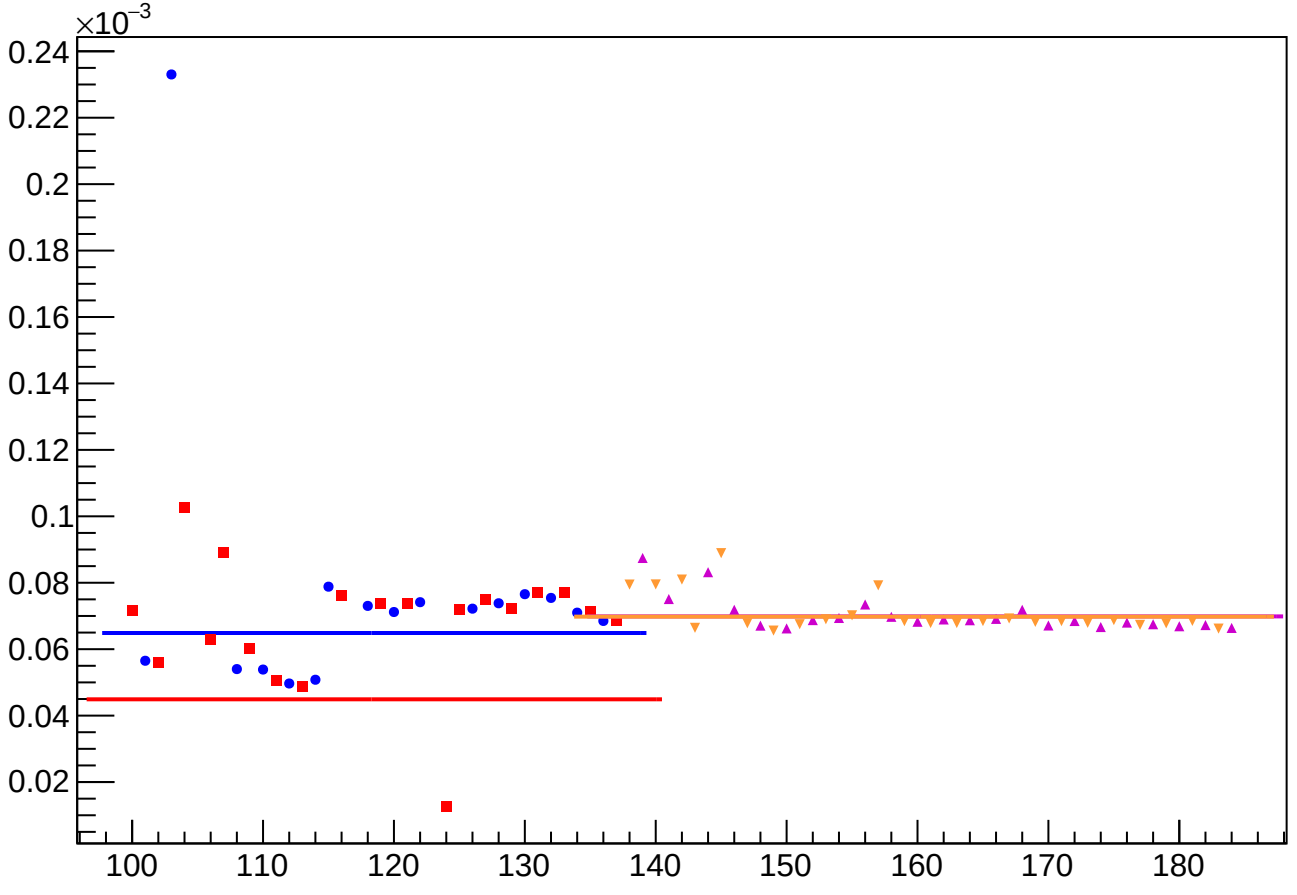
+ sign 0.056+/-0.000 χ^2/NDF: 73700.7/39

All: 0.056+/-0.000 χ^2/NDF: 240779.1/81

- sign 0.056+/-0.000 χ^2/NDF: 166341.2/41


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:1884783780.3/22
+ sign 0.024+/-0.000 χ²/NDF: 98333333396.8/39
All: 0.021+/-0.000 χ²/NDF: 683078313502.2
- sign 0.020+/-0.000 χ²/NDF: 541458330529.9/41

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

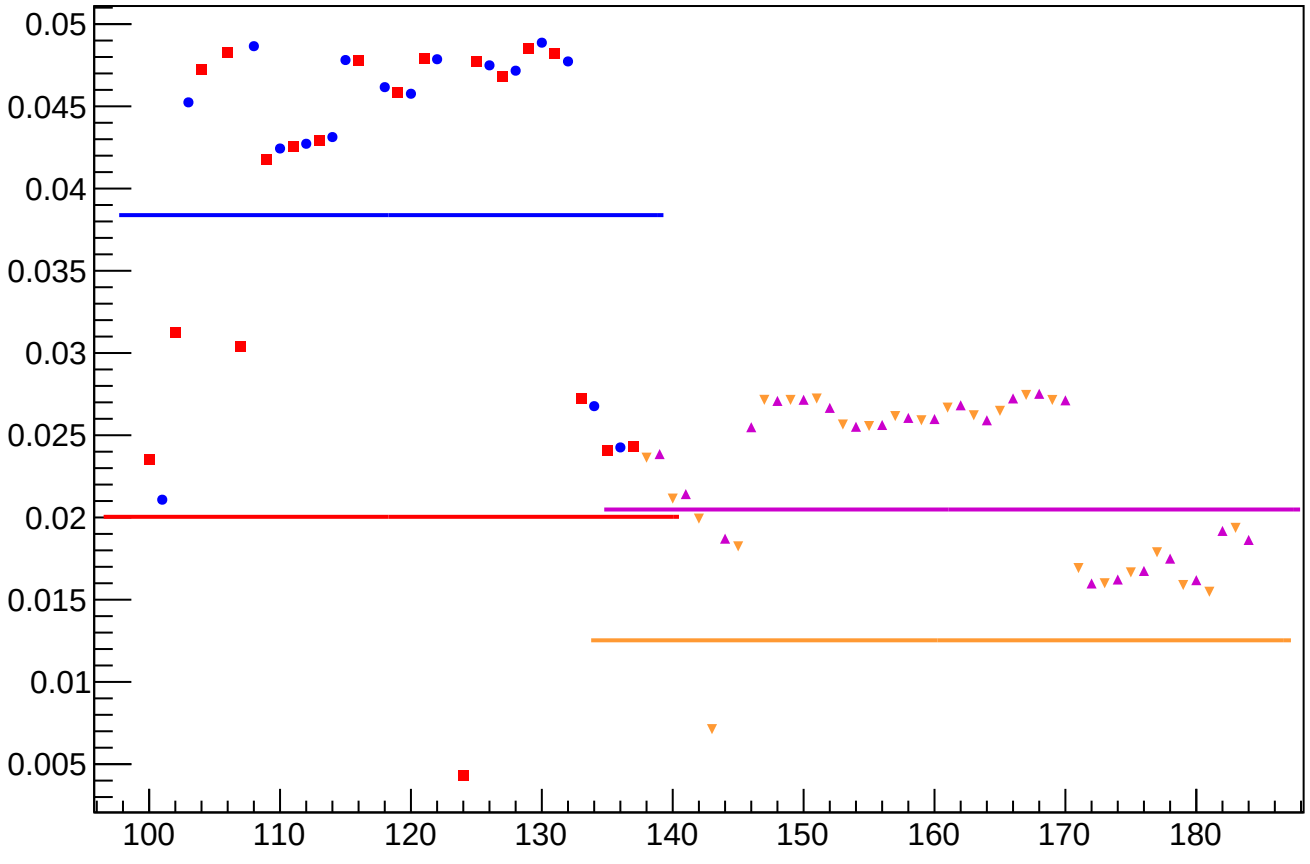
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1056496.3/39

All: 0.000+/-0.000 χ^2/NDF: 7276088.0/81

- sign 0.000+/-0.000 χ^2/NDF: 5787989.1/41



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:36970001164.3/23

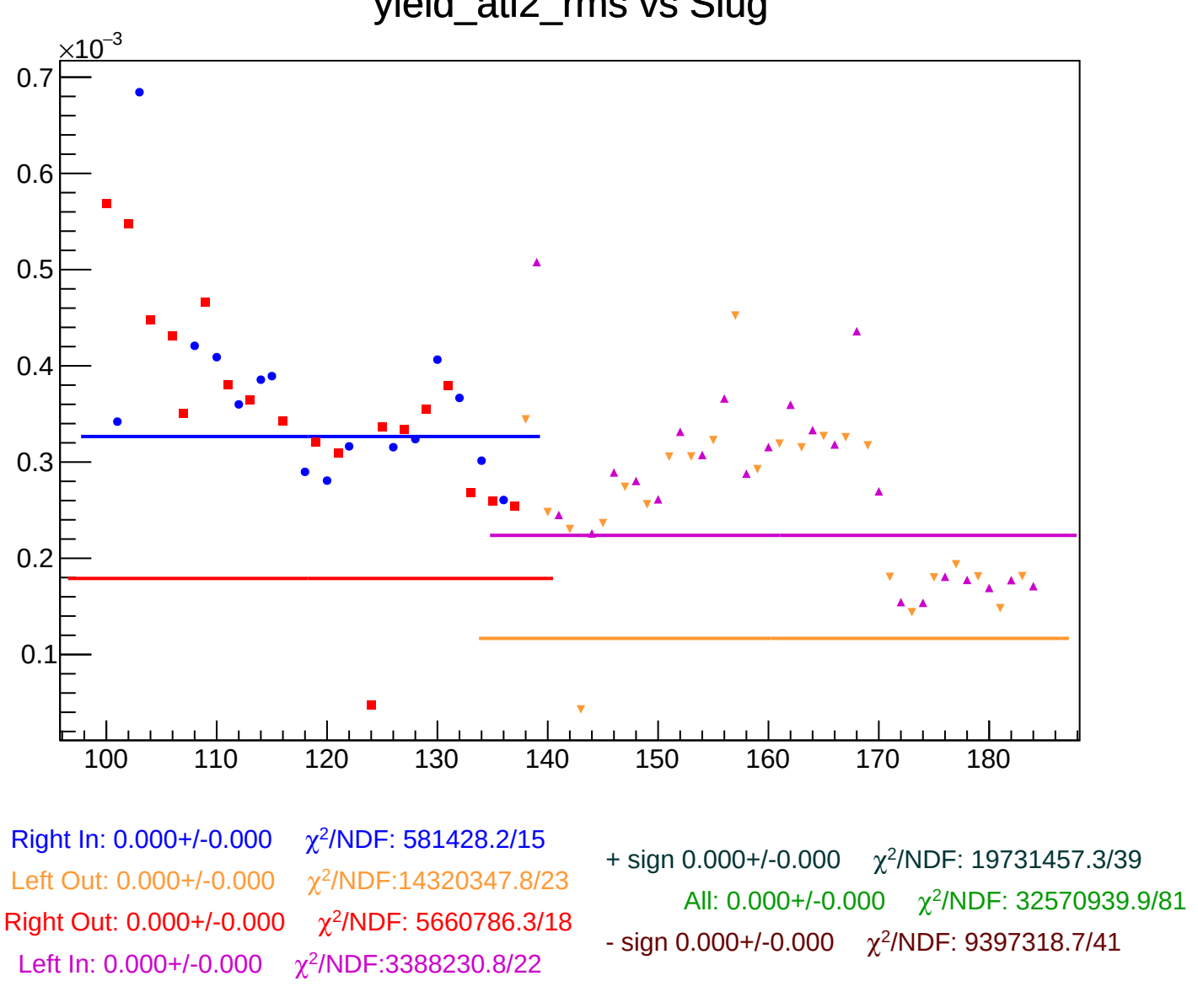
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

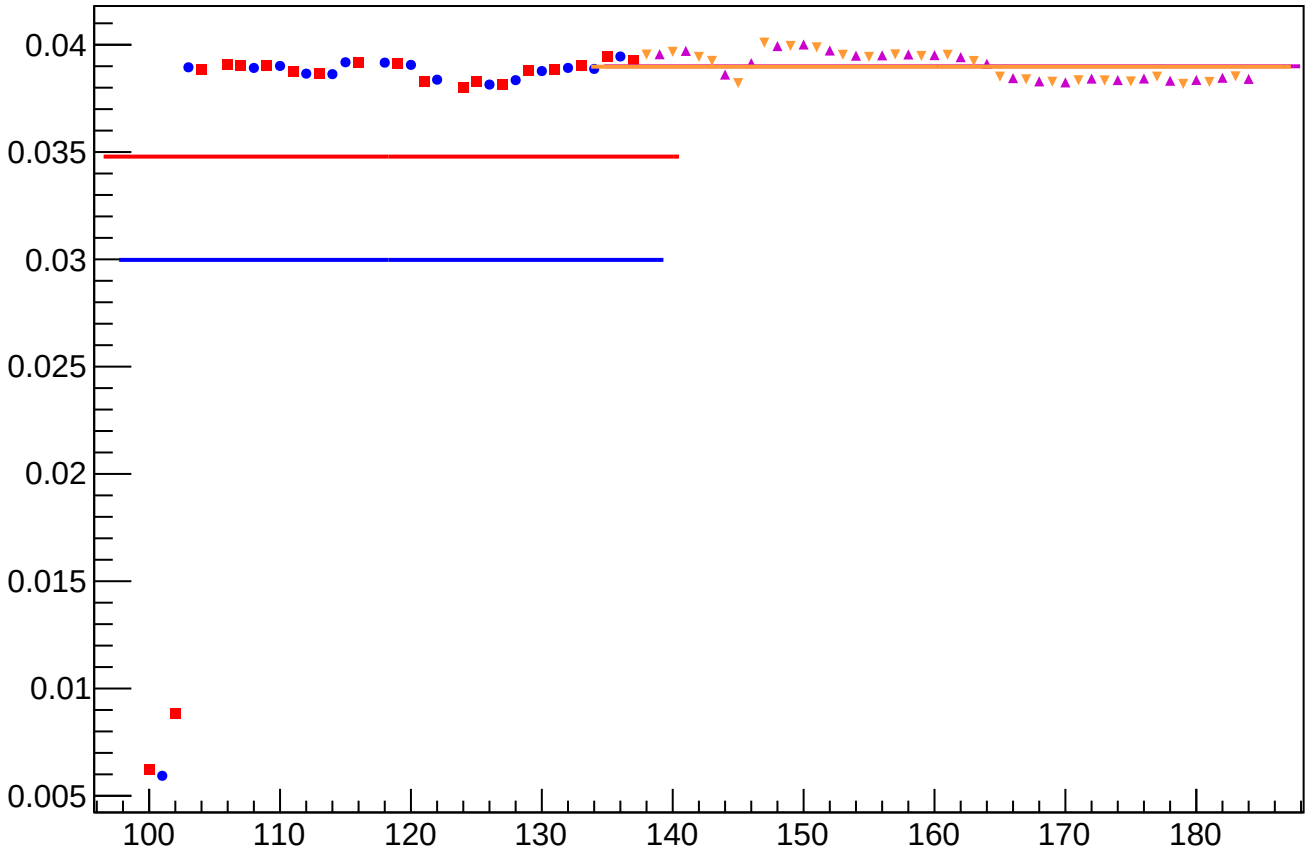
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.014+/-0.000 χ^2/NDF: 80717326300.0/39

All: 0.016+/-0.000 χ^2/NDF: 138768950478.4

- sign 0.020+/-0.000 χ^2/NDF: 48302073705.0/41


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:3388230.8/22
+ sign 0.000+/-0.000 χ²/NDF: 19731457.3/39
All: 0.000+/-0.000 χ²/NDF: 32570939.9/81
- sign 0.000+/-0.000 χ²/NDF: 9397318.7/41



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:475732069.6/23

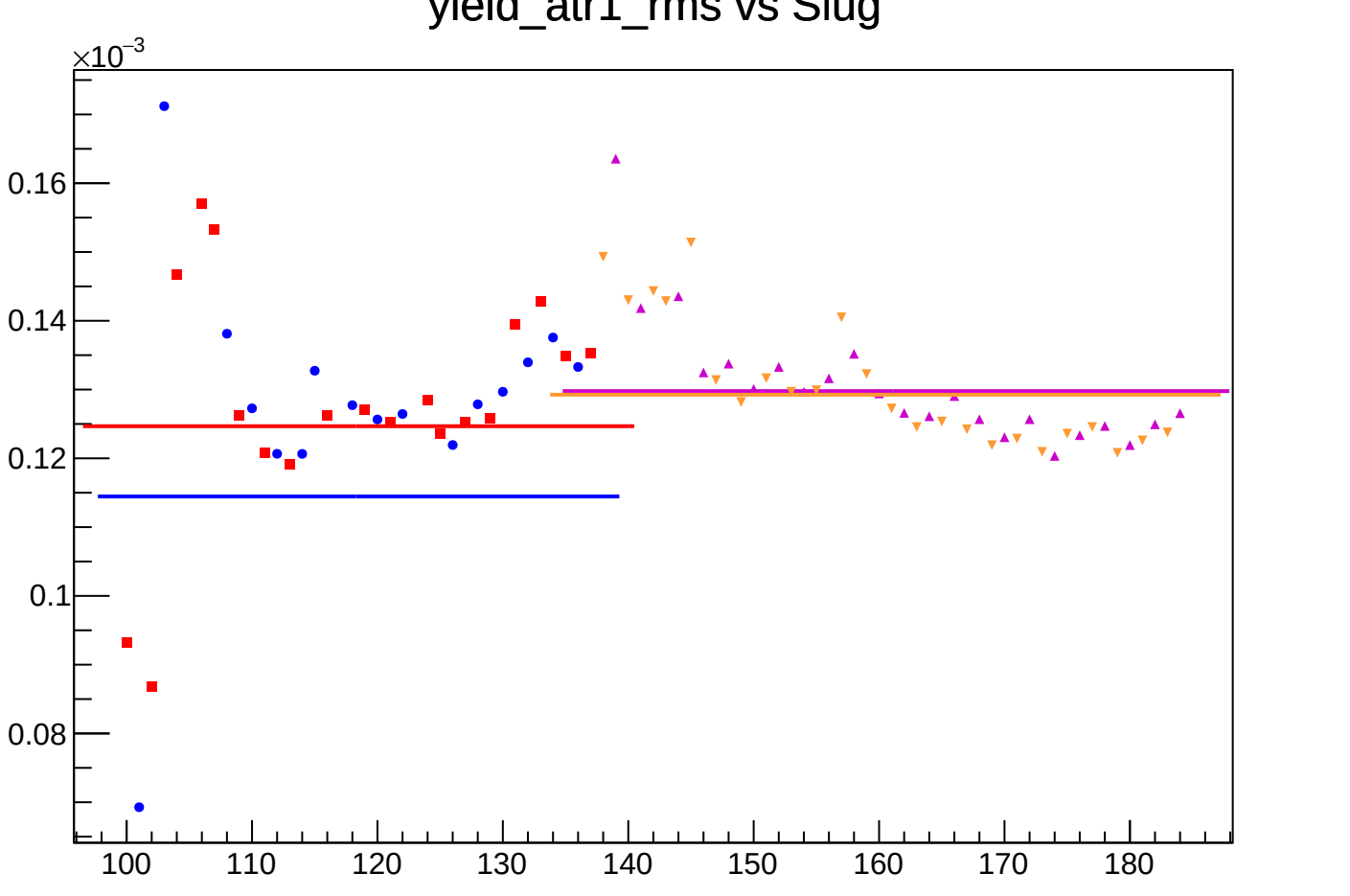
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.036+/-0.000 χ^2/NDF: 137008539377.6/39

All: 0.037+/-0.000 χ^2/NDF: 192217844576.3

- sign 0.038+/-0.000 χ^2/NDF: 53235199356.6/41



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

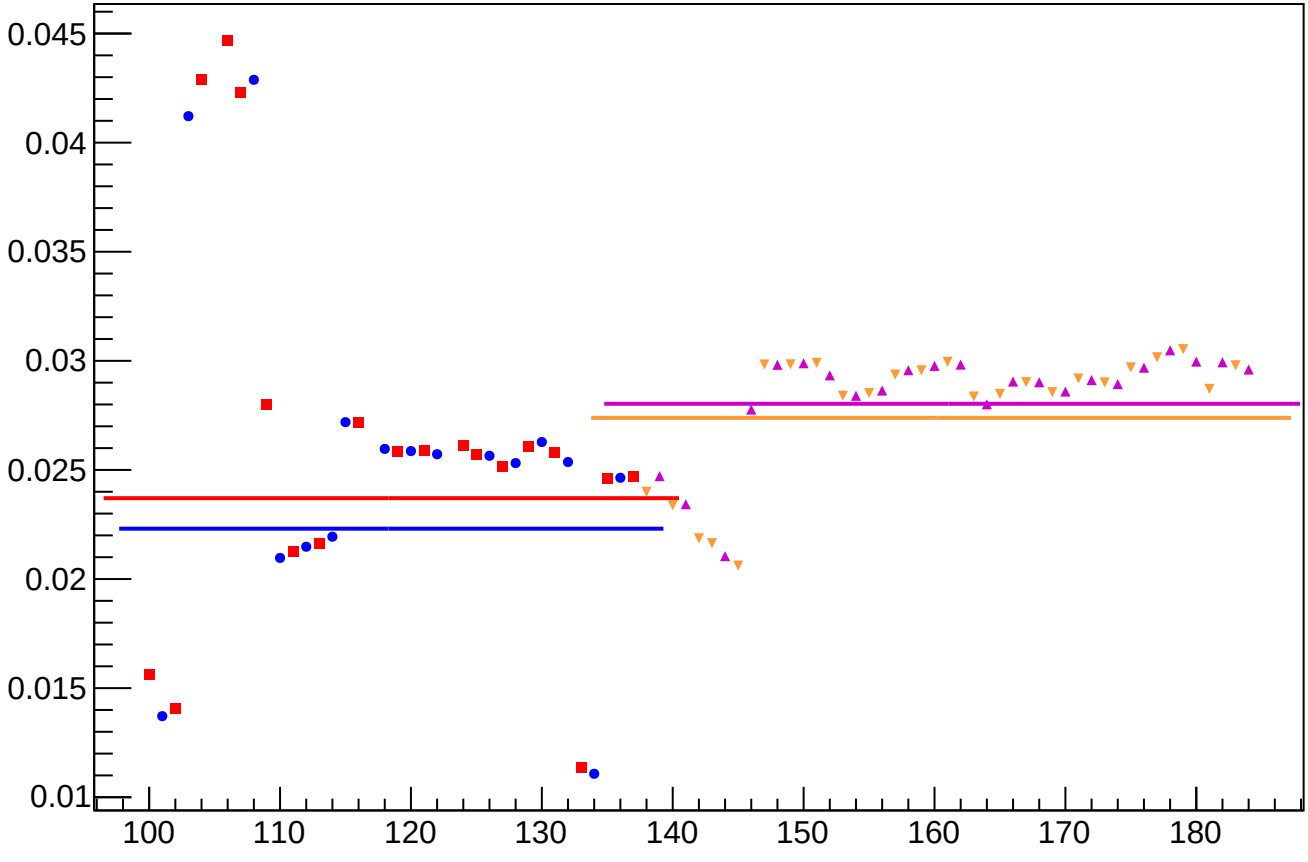
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 1161594.1/39

All: 0.000+/-0.000 χ^2/NDF: 1600864.5/81

- sign 0.000+/-0.000 χ^2/NDF: 418568.4/41

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2224766272.9/23

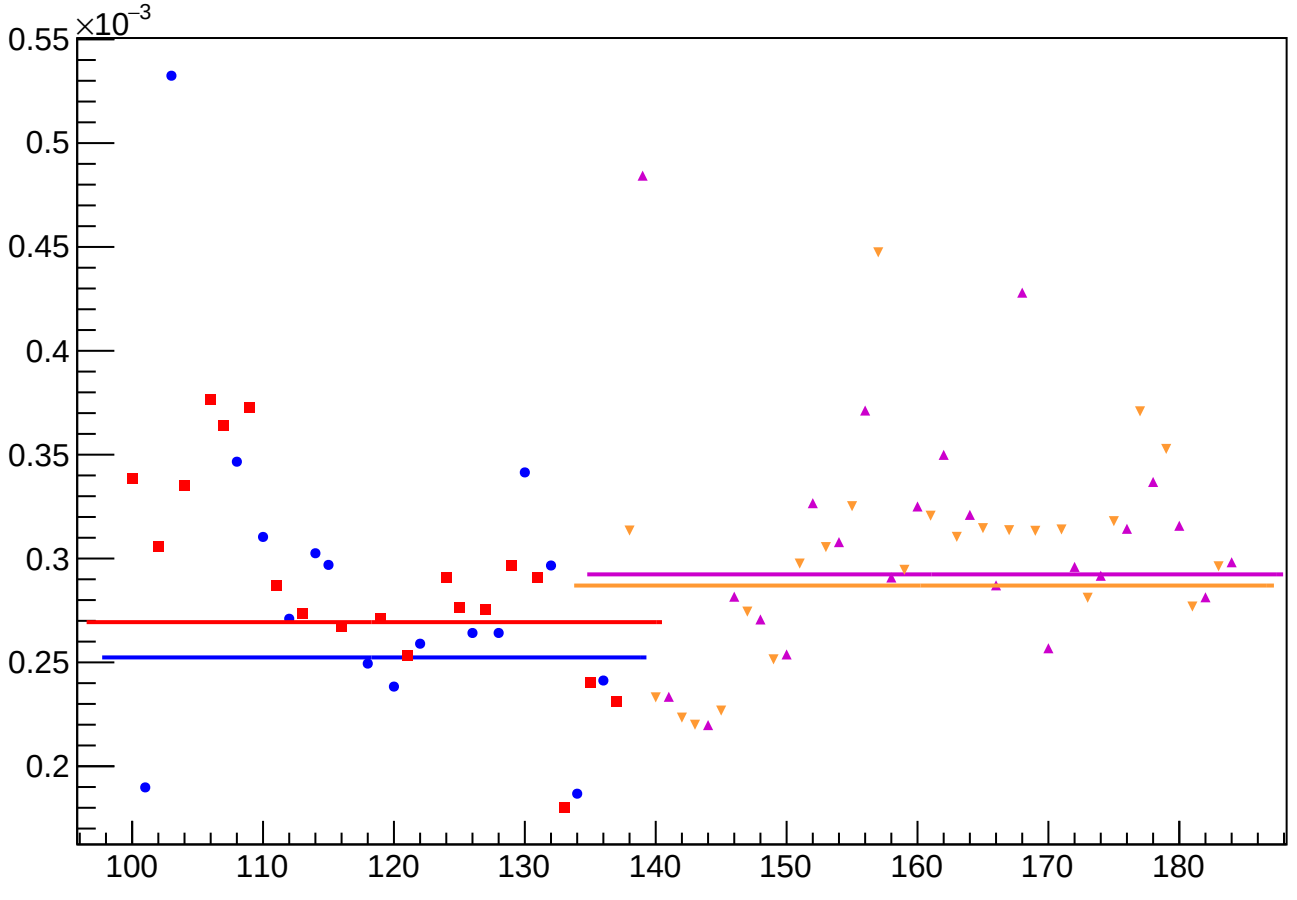
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

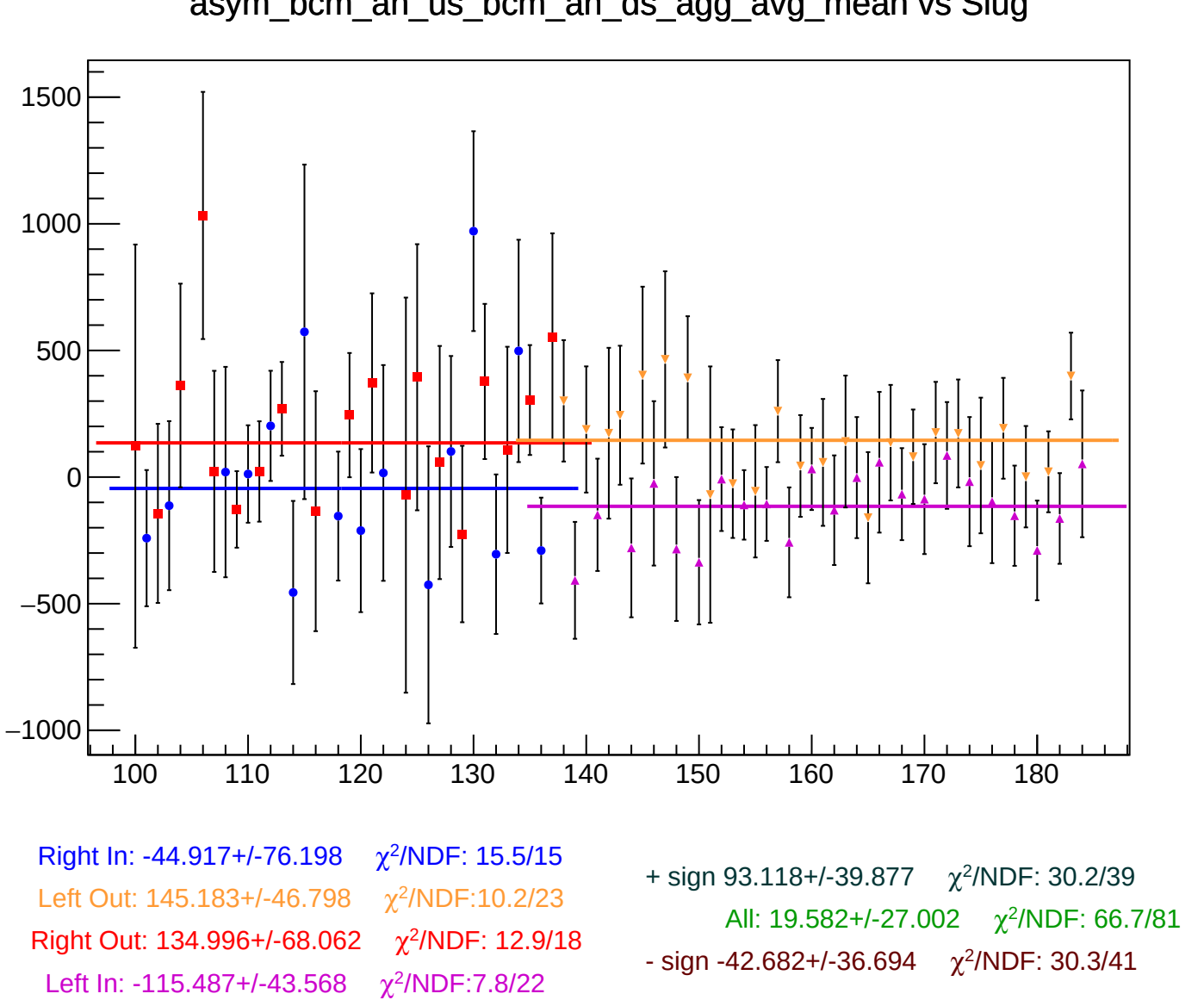
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 8949143160.4/39

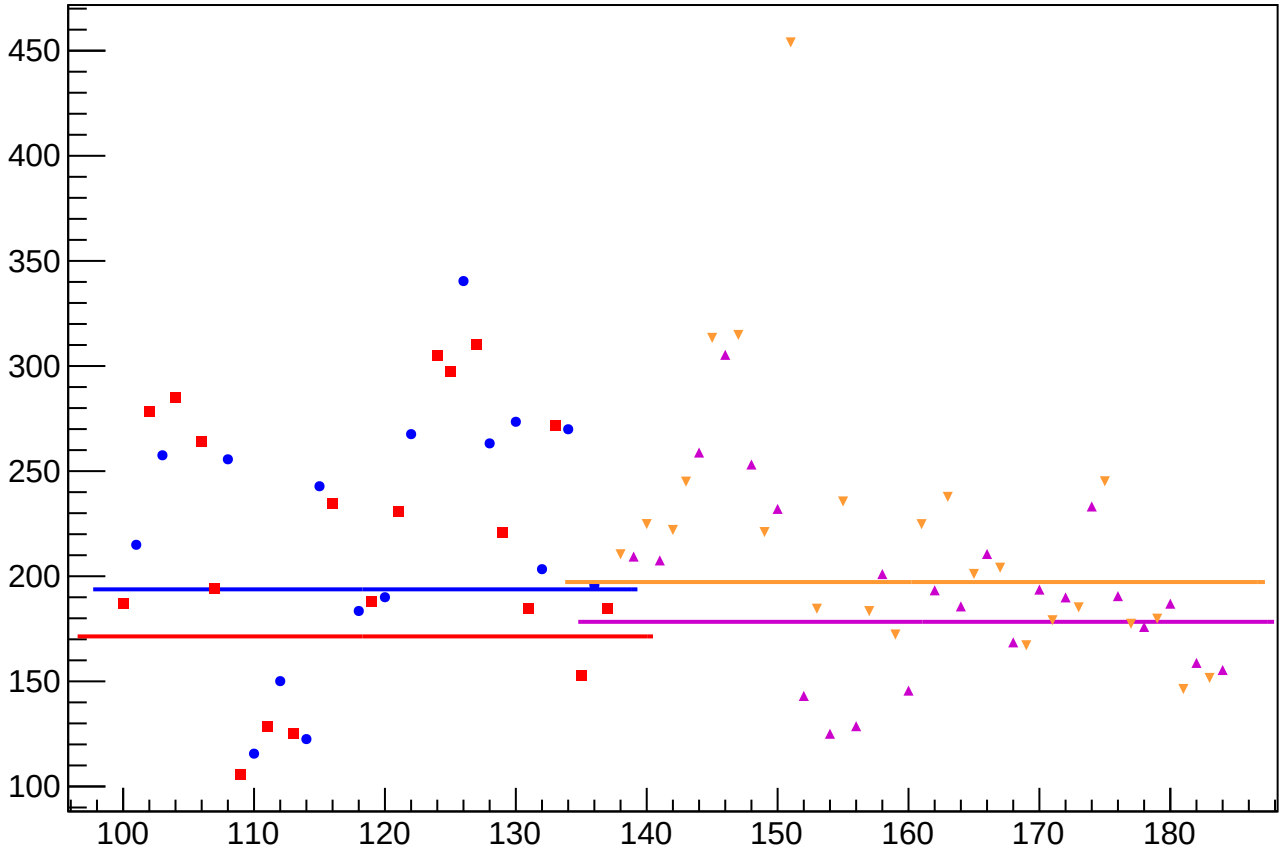
All: 0.026+/-0.000 χ^2/NDF: 17287277751.7/8

- sign 0.027+/-0.000 χ^2/NDF: 8214006931.4/41


yield_atr2_rms vs Slug
×10⁻³
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:815954.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 446359.4/18
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
+ sign 0.000+/-0.000 χ²/NDF: 1682800.5/39
All: 0.000+/-0.000 χ²/NDF: 3189455.1/81
- sign 0.000+/-0.000 χ²/NDF: 1481345.3/41


asym_bcm_an_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: -44.917+/-76.198 χ²/NDF: 15.5/15
Left Out: 145.183+/-46.798 χ²/NDF:10.2/23
Right Out: 134.996+/-68.062 χ²/NDF: 12.9/18
Left In: -115.487+/-43.568 χ²/NDF:7.8/22
+ sign 93.118+/-39.877 χ²/NDF: 30.2/39
All: 19.582+/-27.002 χ²/NDF: 66.7/81
- sign -42.682+/-36.694 χ²/NDF: 30.3/41

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

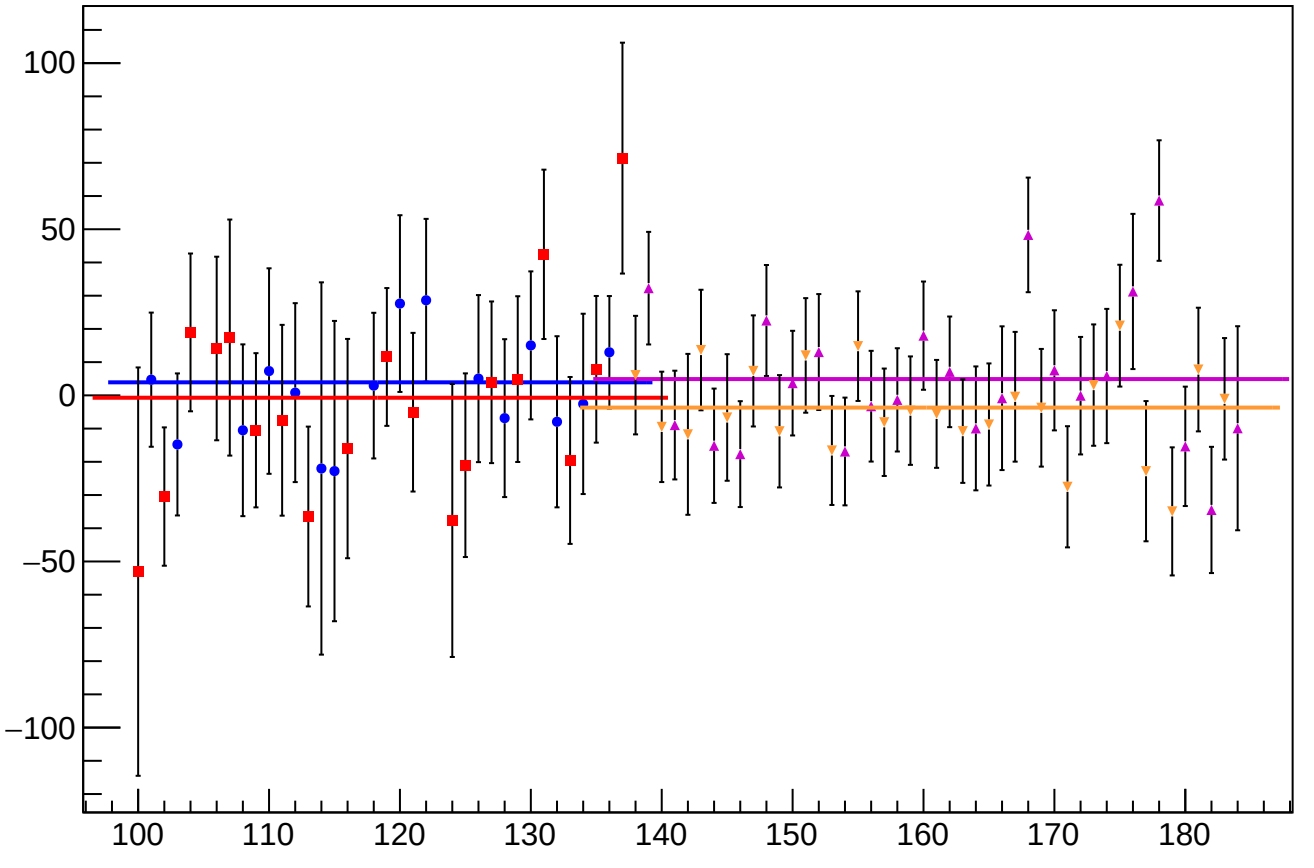
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 196.292+/-0.028 χ^2/NDF: 2819772.5/39

All: 185.467+/-0.019 χ^2/NDF: 6443077.5/81

- sign 176.302+/-0.026 χ^2/NDF: 3351149.2/41



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.678+/-3.624 χ^2/NDF:12.7/23

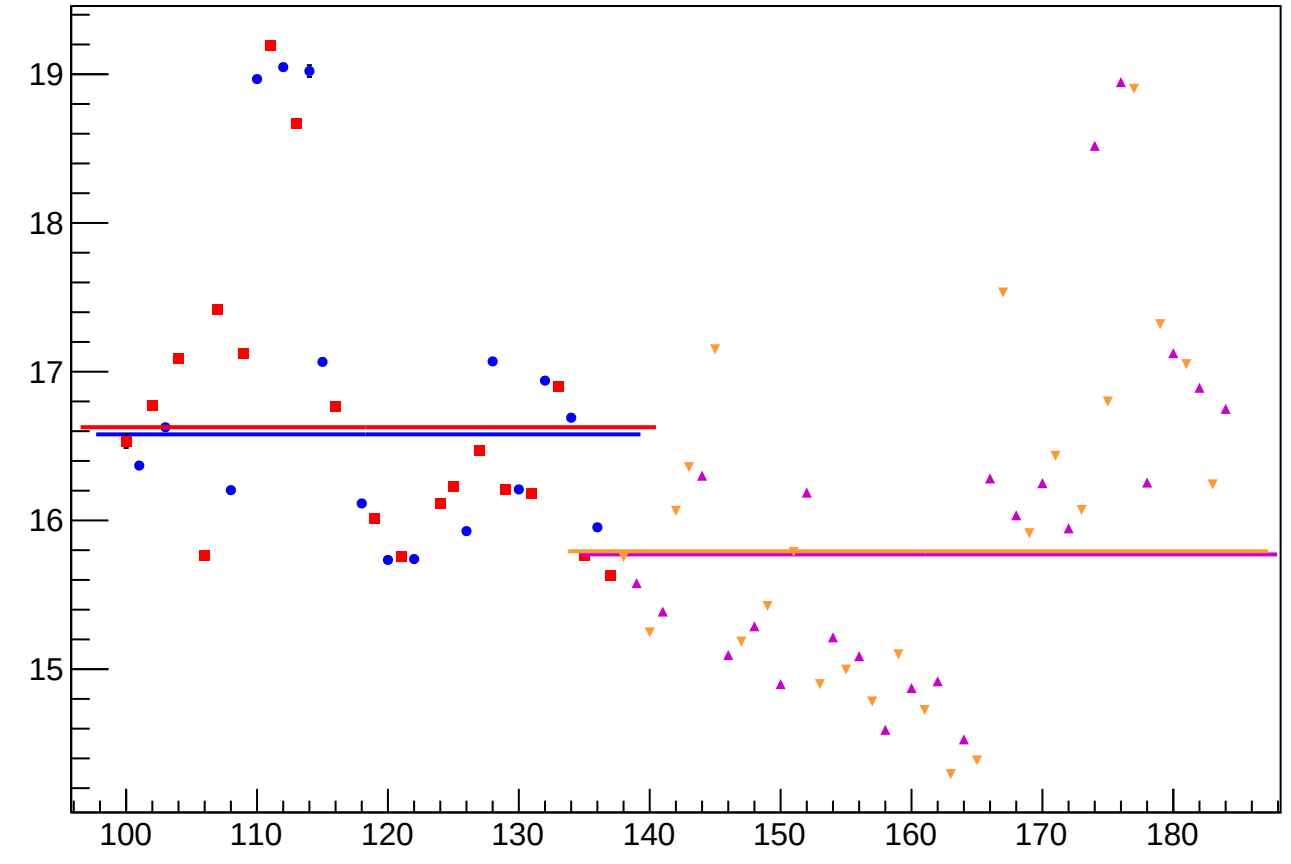
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -1.730+/-3.125 χ^2/NDF: 18.3/39

All: 0.802+/-2.221 χ^2/NDF: 70.1/81

\- sign 3.387+/-3.157 χ^2/NDF: 50.4/41



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.793+/-0.003 χ^2/NDF:170239.2/23

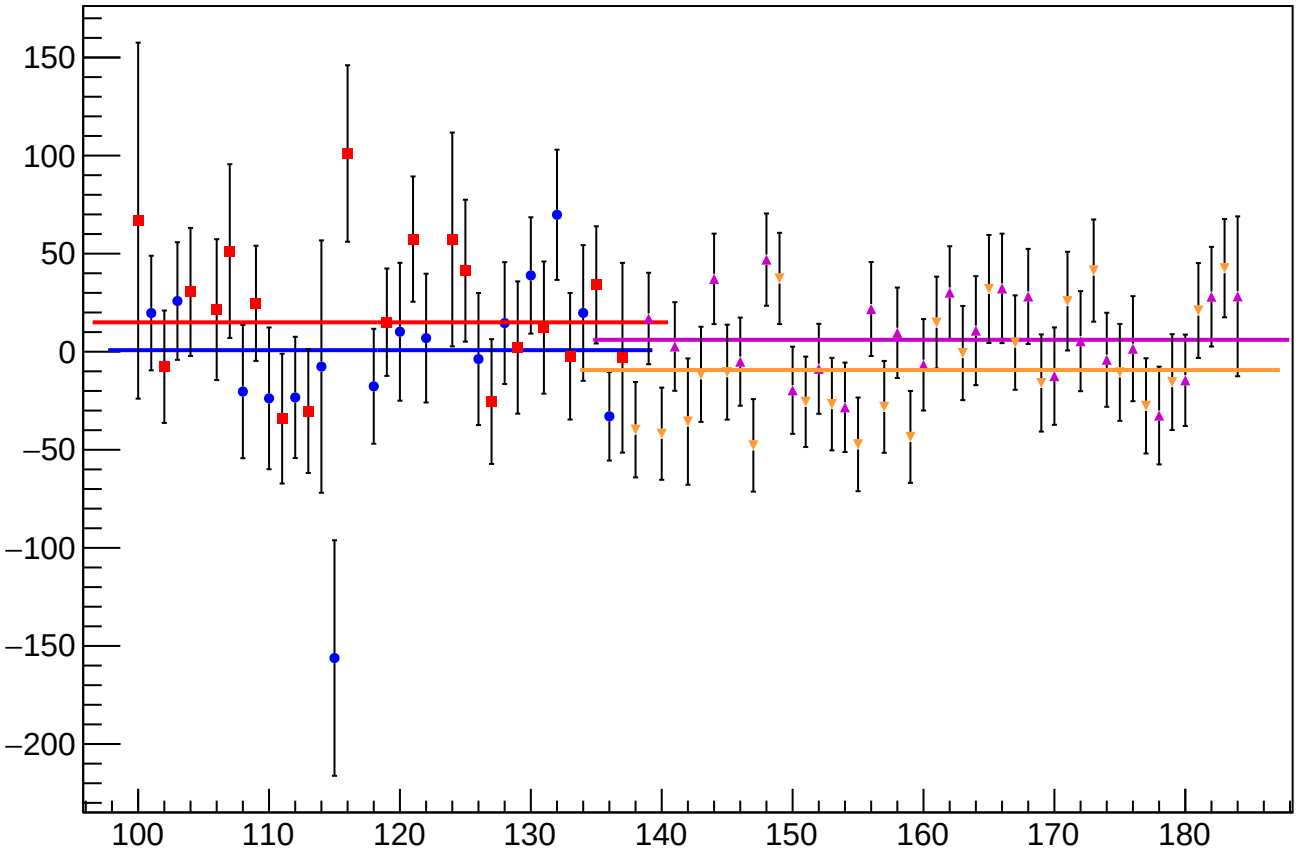
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 15.994+/-0.002 χ^2/NDF: 238932.6/39

All: 15.998+/-0.002 χ^2/NDF: 463474.6/81

- sign 16.002+/-0.002 χ^2/NDF: 224535.3/41



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

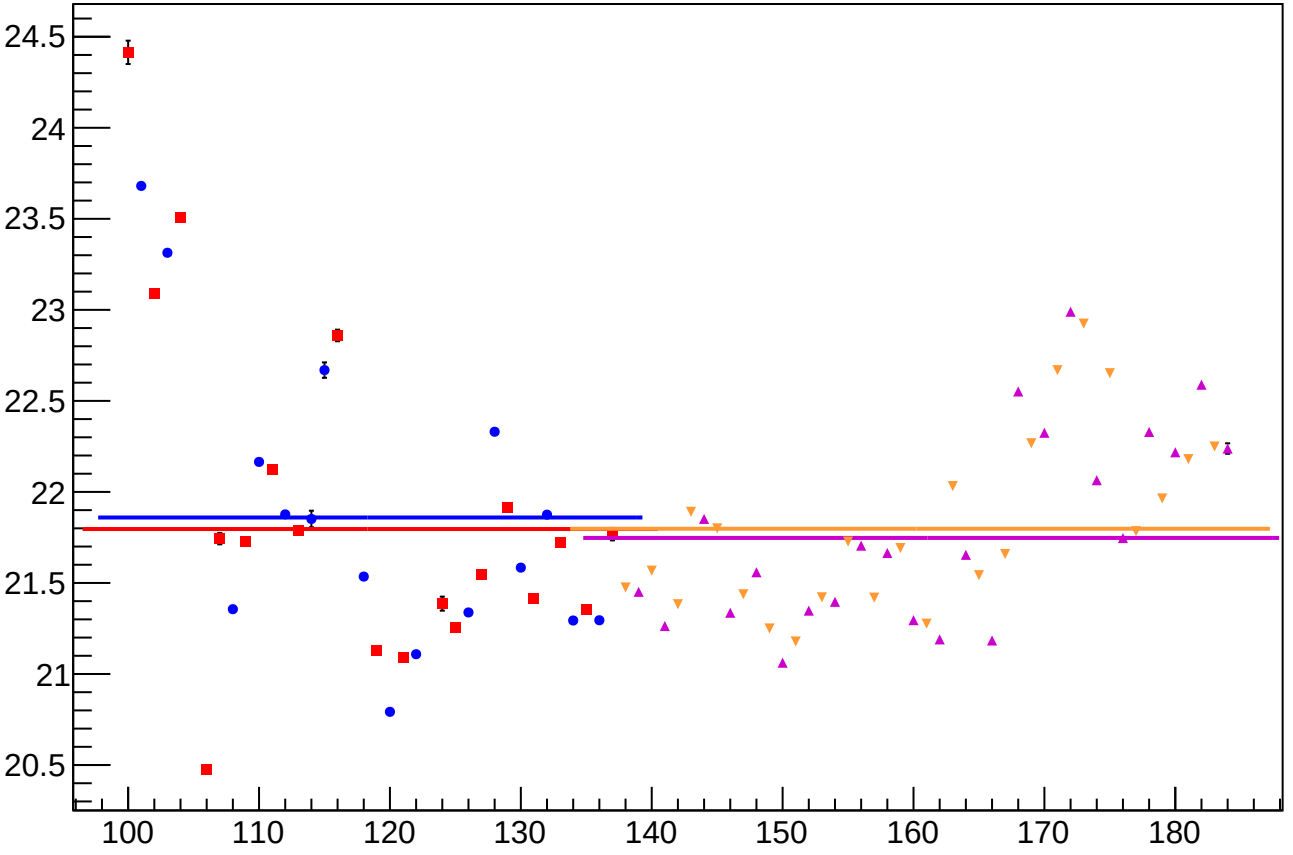
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -6.564+/-4.250 χ^2/NDF: 53.0/39

All: 0.995+/-3.016 χ^2/NDF: 93.6/81

- sign 8.664+/-4.281 χ^2/NDF: 34.2/41

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

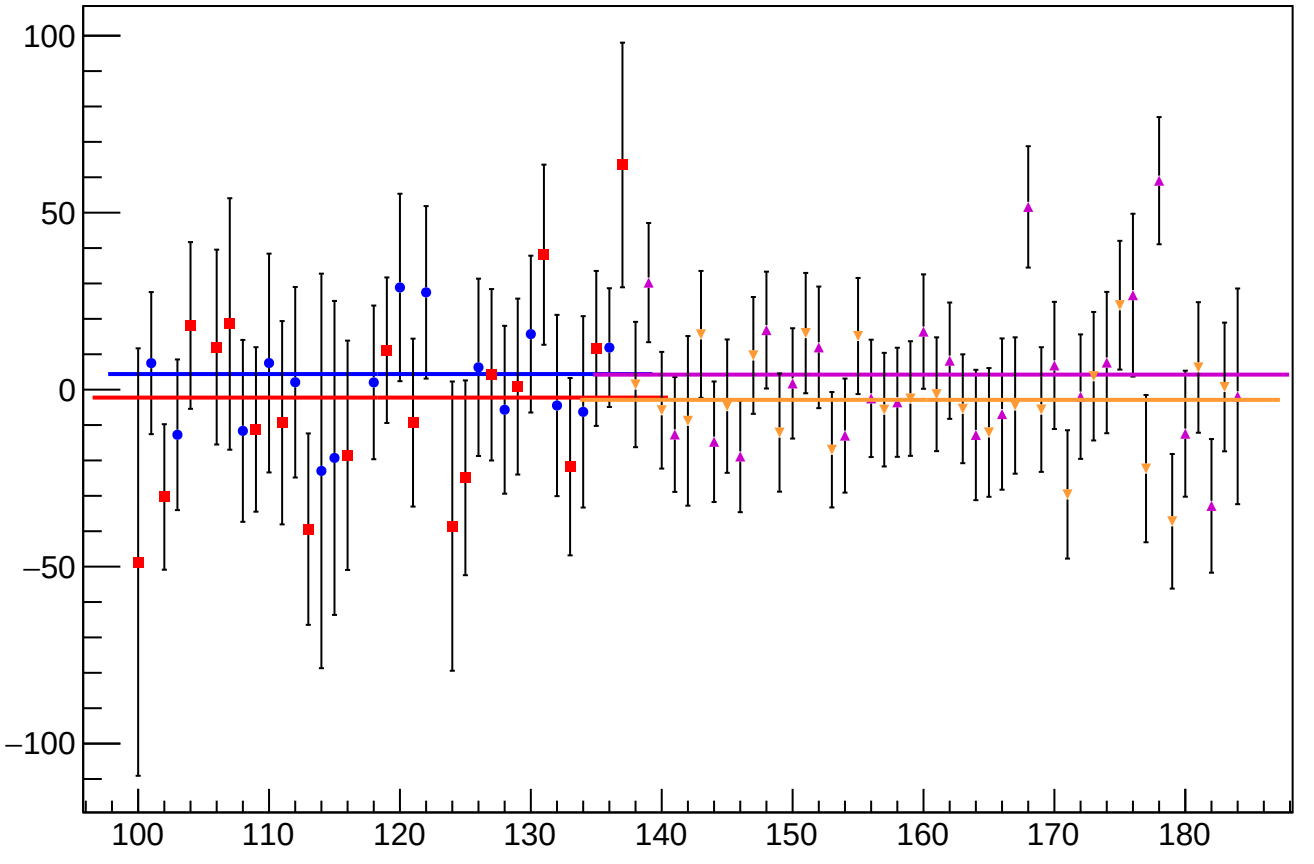
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.815+/-0.003 χ^2/NDF: 36476.9/39

All: 21.788+/-0.002 χ^2/NDF: 76108.6/81

- sign 21.761+/-0.003 χ^2/NDF: 39476.0/41



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.874+/-3.590 χ^2/NDF:14.5/23

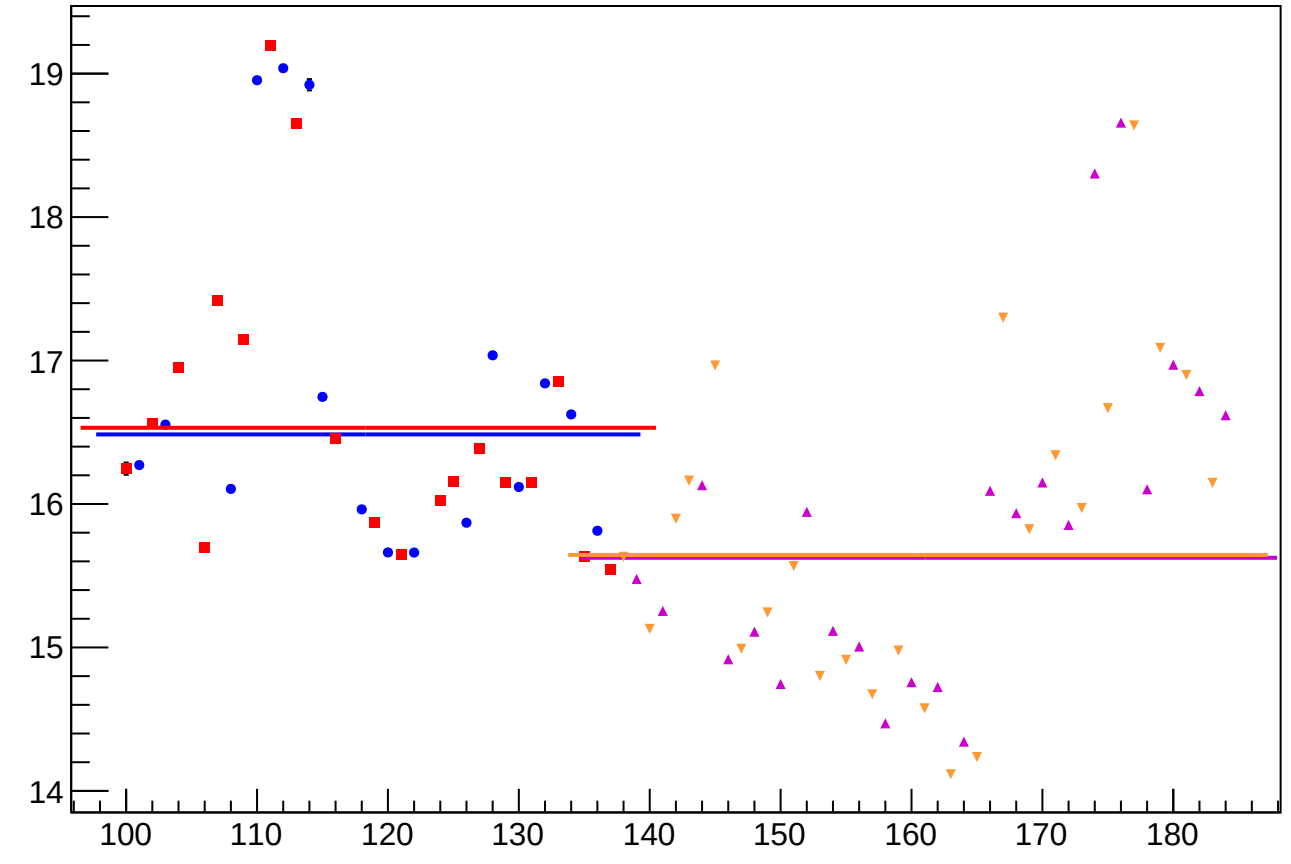
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -1.019+/-3.098 χ^2/NDF: 19.9/39

All: 0.725+/-2.202 χ^2/NDF: 70.6/81

- sign 2.506+/-3.131 χ^2/NDF: 50.1/41



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.645+/-0.003 χ^2/NDF:167236.0/23

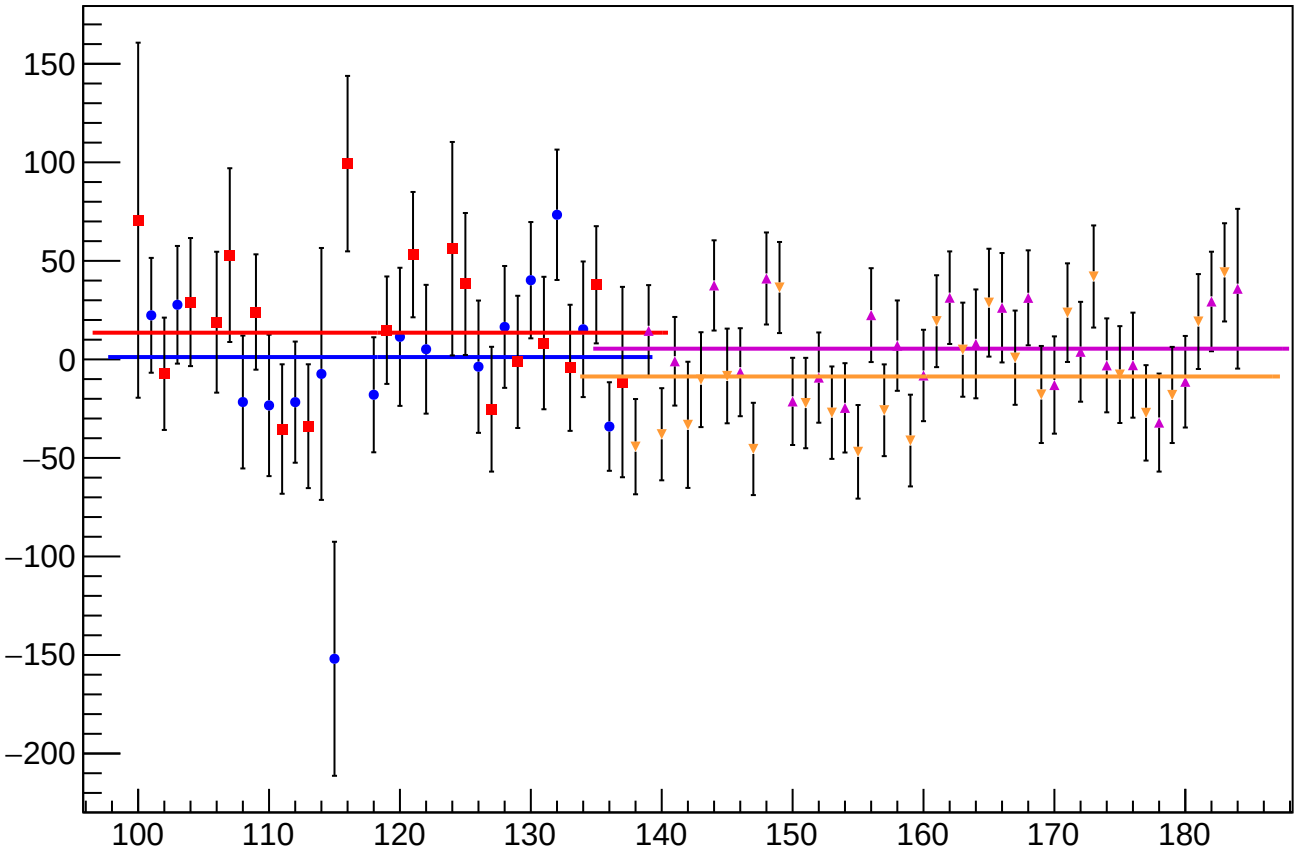
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.859+/-0.002 χ^2/NDF: 242348.9/39

All: 15.864+/-0.002 χ^2/NDF: 472175.3/81

- sign 15.868+/-0.002 χ^2/NDF: 229817.6/41



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -8.672+/-4.960 χ^2/NDF:32.7/23

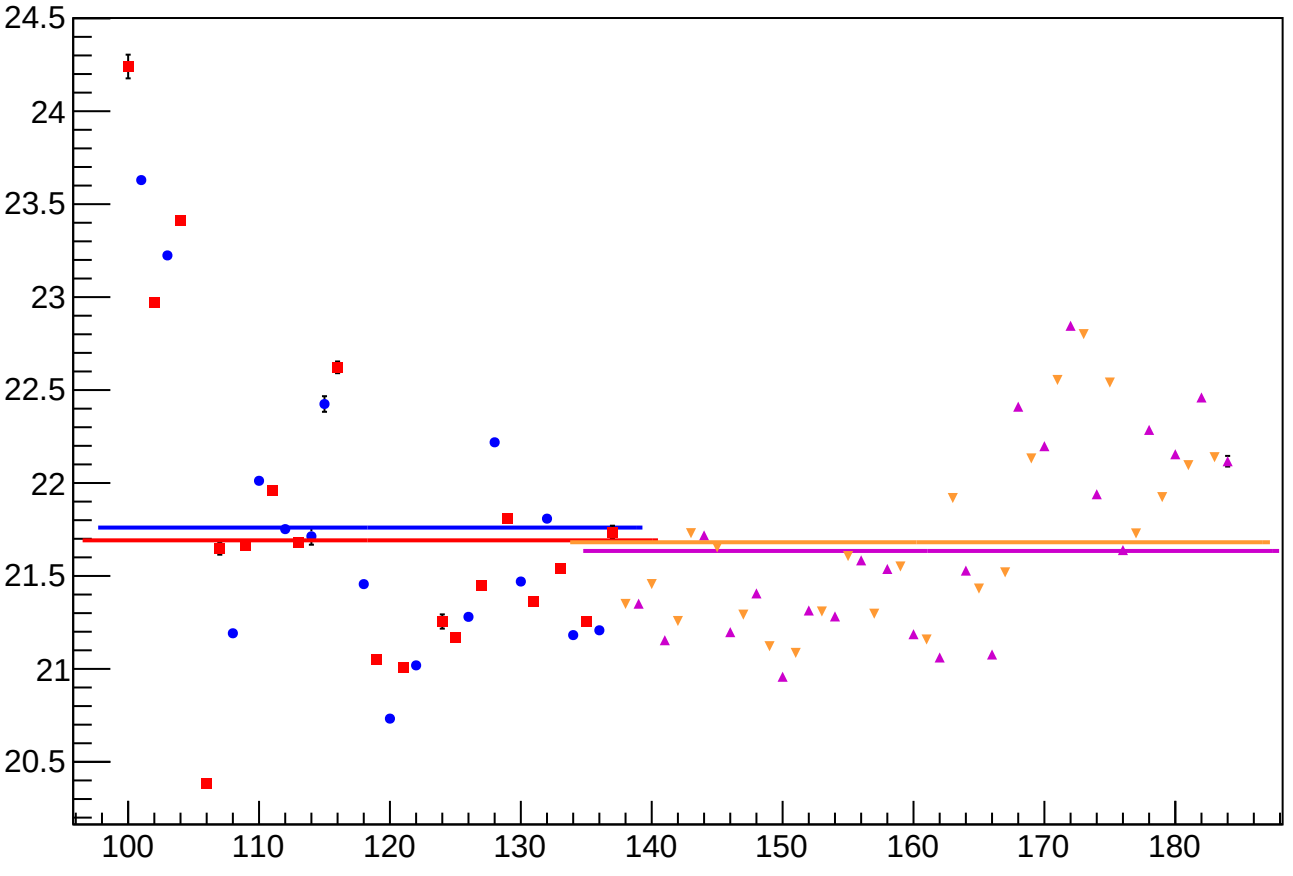
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

\+ sign -5.978+/-4.228 χ^2/NDF: 53.1/39

All: 0.853+/-3.001 χ^2/NDF: 92.4/81

\- sign 7.785+/-4.259 χ^2/NDF: 34.0/41



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

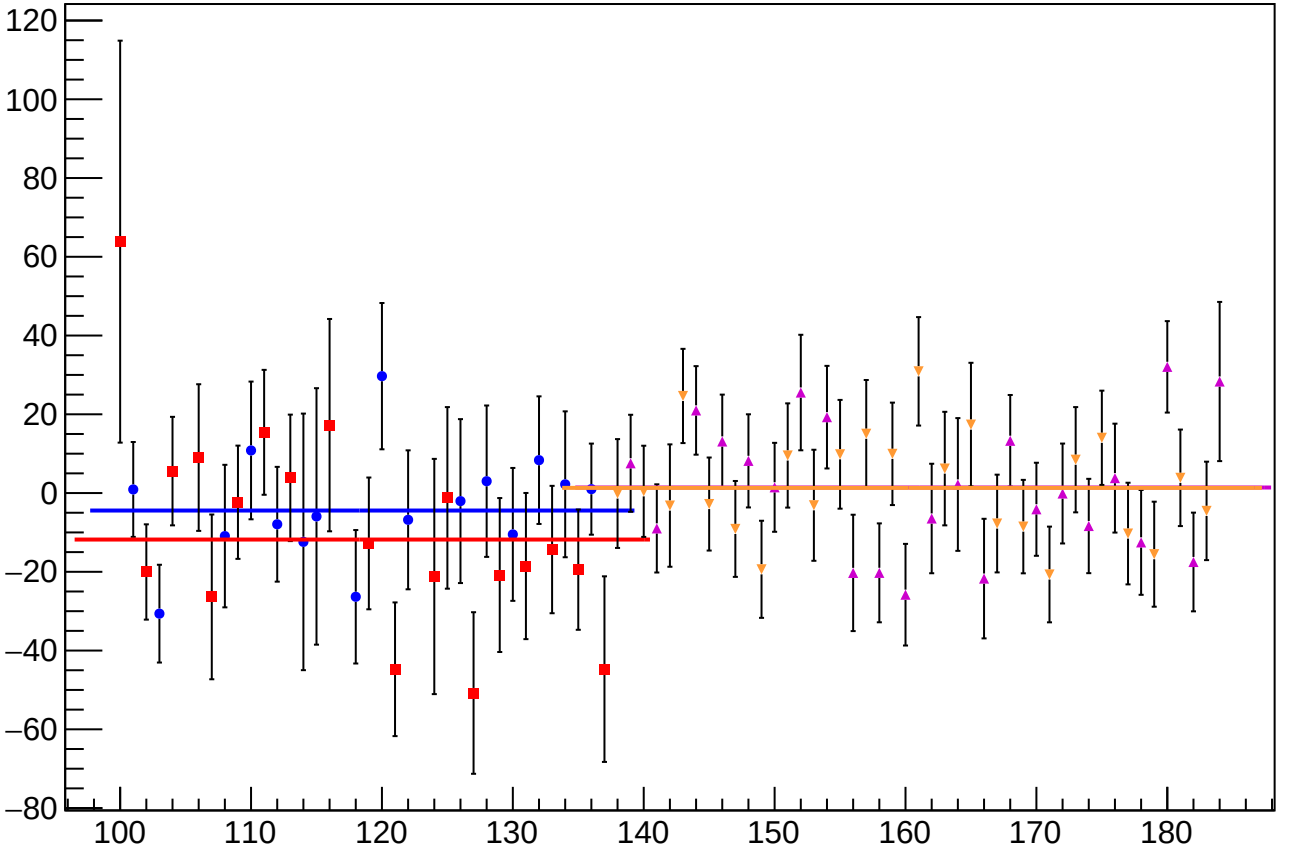
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.703+/-0.003 χ^2/NDF: 37225.1/39

All: 21.677+/-0.002 χ^2/NDF: 76340.3/81

- sign 21.651+/-0.003 χ^2/NDF: 38966.0/41

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

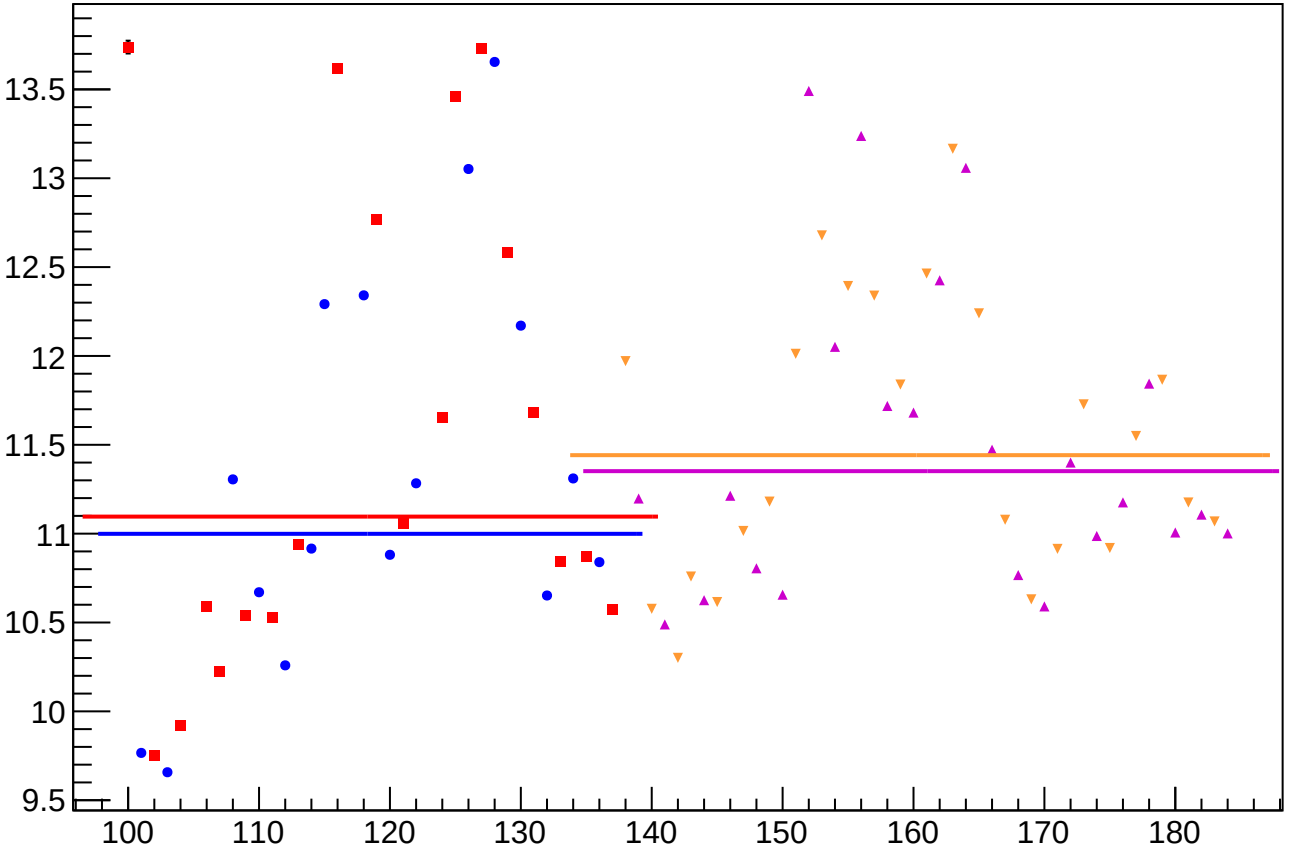
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.355+/-2.225 χ^2/NDF: 37.6/39

All: -1.440+/-1.578 χ^2/NDF: 103.4/81

- sign -2.540+/-2.239 χ^2/NDF: 65.4/41

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

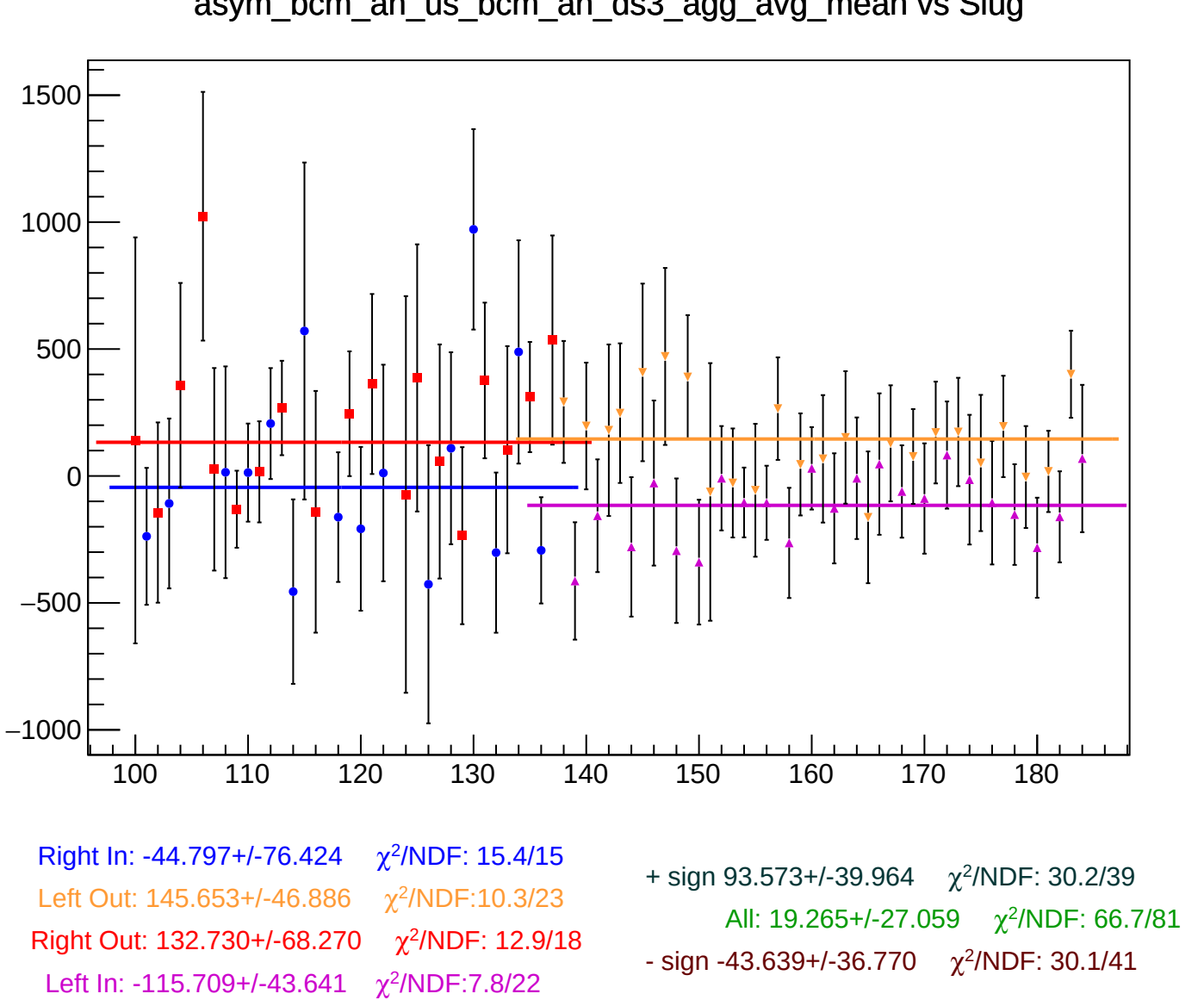
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

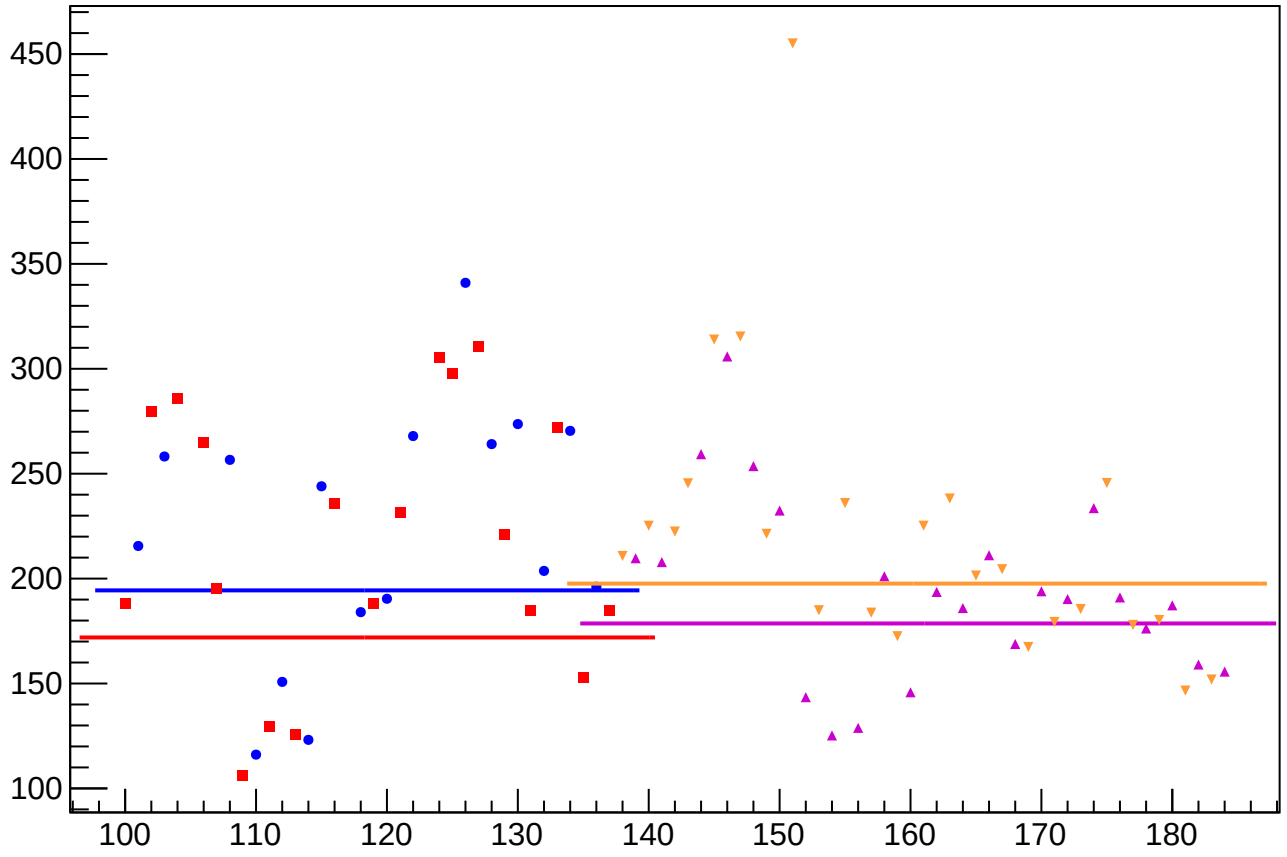
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.313+/-0.002 χ^2/NDF: 305334.3/39

All: 11.294+/-0.001 χ^2/NDF: 644560.1/81

- sign 11.275+/-0.002 χ^2/NDF: 338937.7/41


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: -115.709+/-43.641 χ²/NDF:7.8/22
+ sign 93.573+/-39.964 χ²/NDF: 30.2/39
All: 19.265+/-27.059 χ²/NDF: 66.7/81
- sign -43.639+/-36.770 χ²/NDF: 30.1/41



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 197.615+/-0.033 χ^2/NDF:1768893.6/23

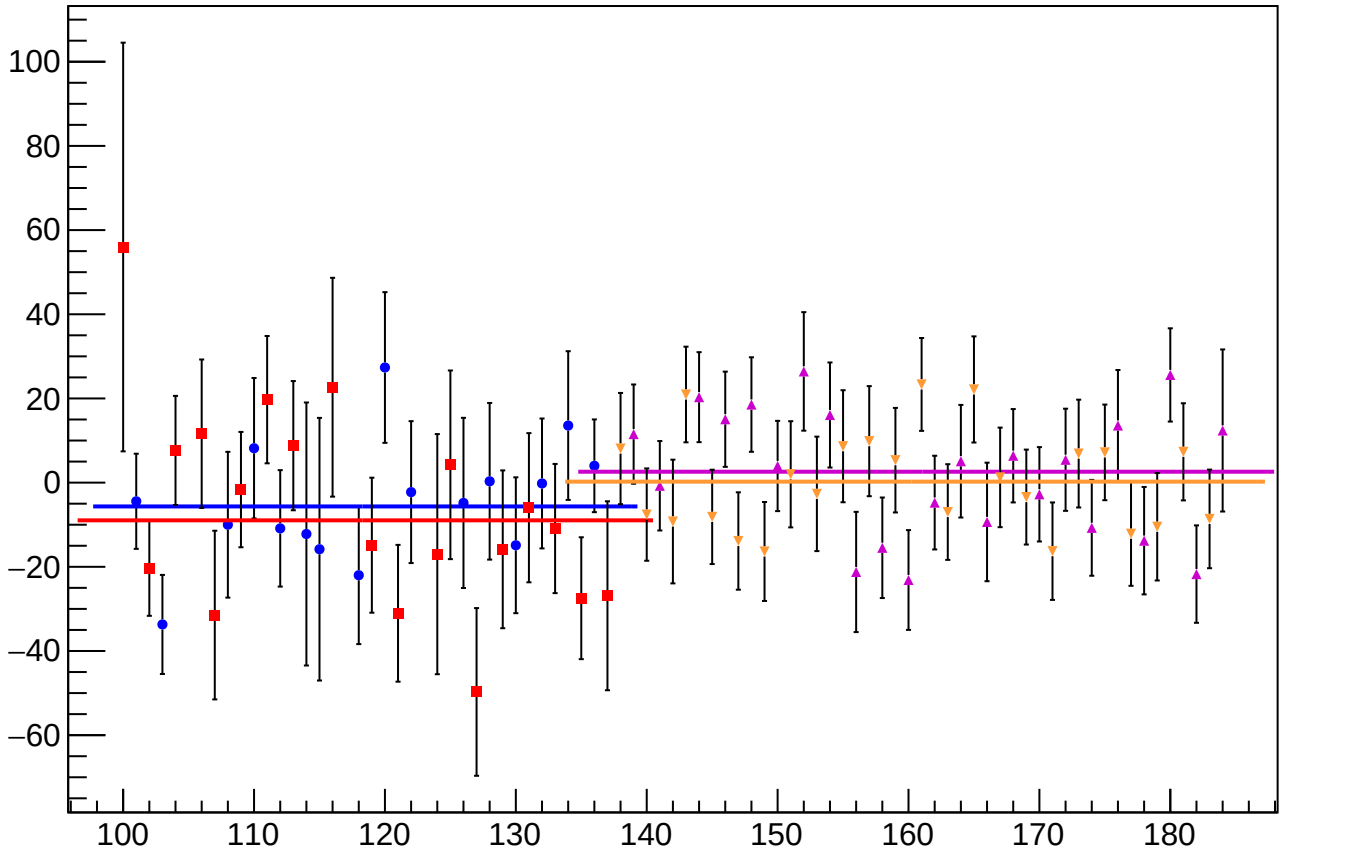
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 196.731+/-0.028 χ^2/NDF: 2813512.3/39

All: 185.873+/-0.019 χ^2/NDF: 6429893.9/81

- sign 176.680+/-0.026 χ^2/NDF: 3343736.1/41



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

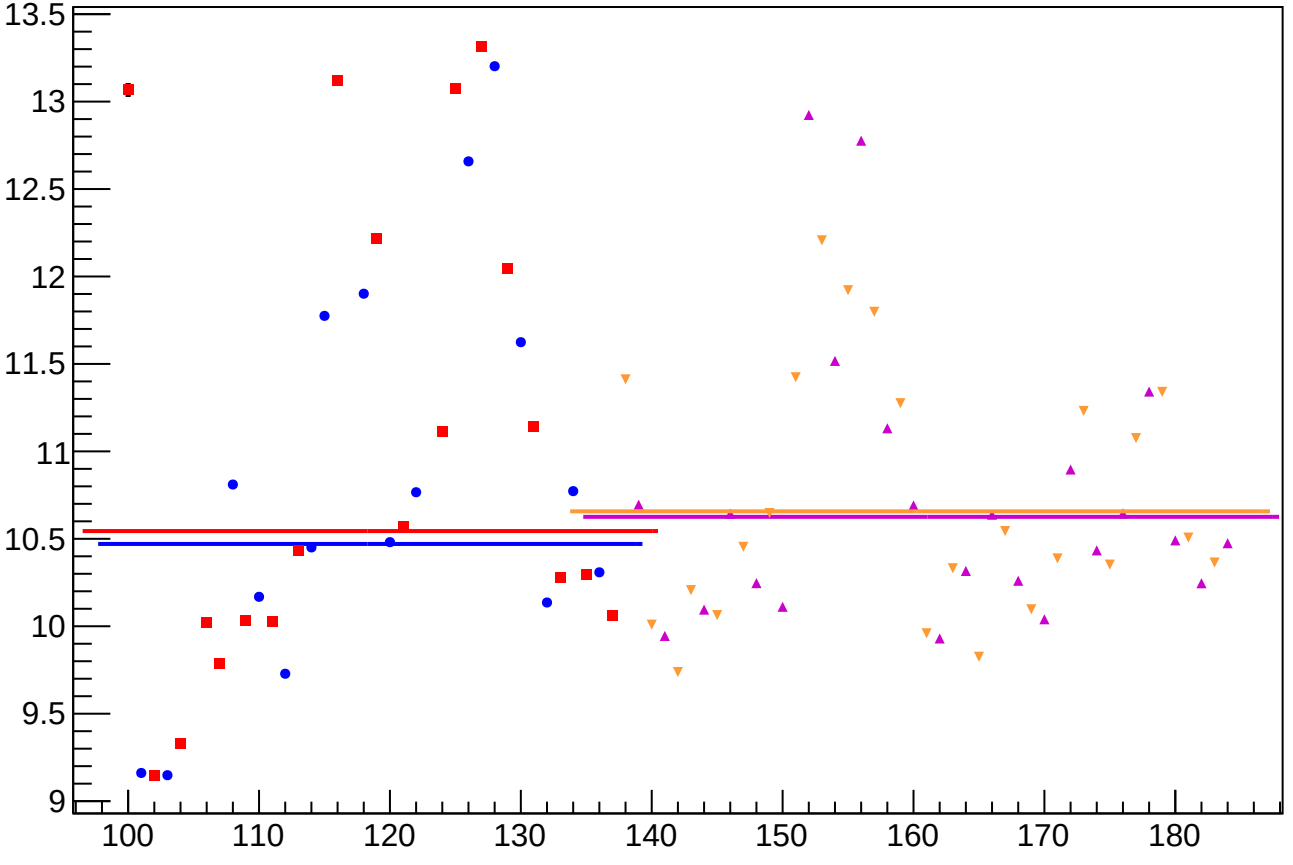
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.422+/-2.089 χ^2/NDF: 38.3/39

All: -1.106+/-1.484 χ^2/NDF: 102.2/81

- sign -0.783+/-2.108 χ^2/NDF: 63.8/41

asym_bcm_an_us_bcm_an_ds3_agg_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

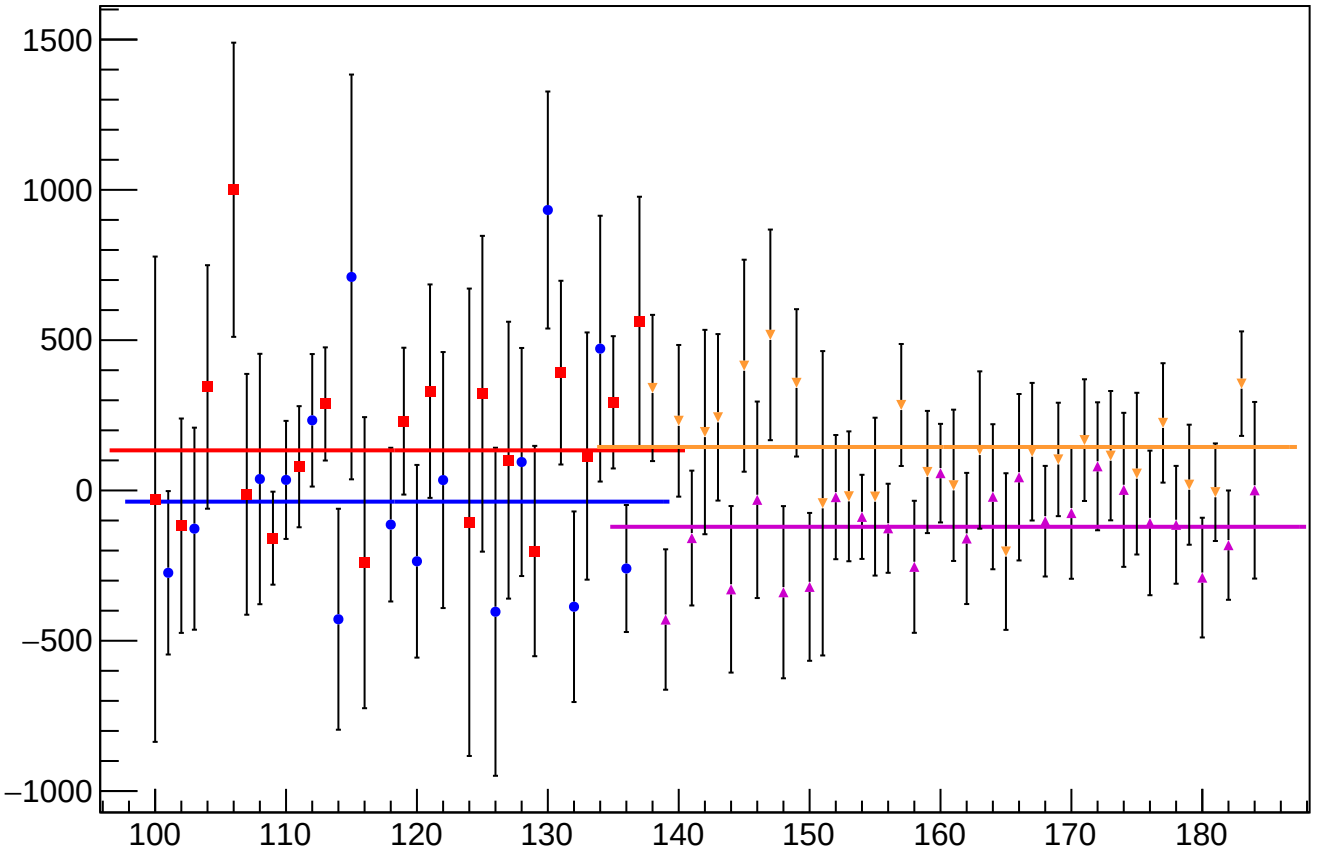
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.605+/-0.001 χ^2/NDF: 302445.0/39

All: 10.603+/-0.001 χ^2/NDF: 649385.1/81

- sign 10.602+/-0.001 χ^2/NDF: 346938.5/41



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 144.610+/-47.190 χ^2/NDF:10.3/23

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

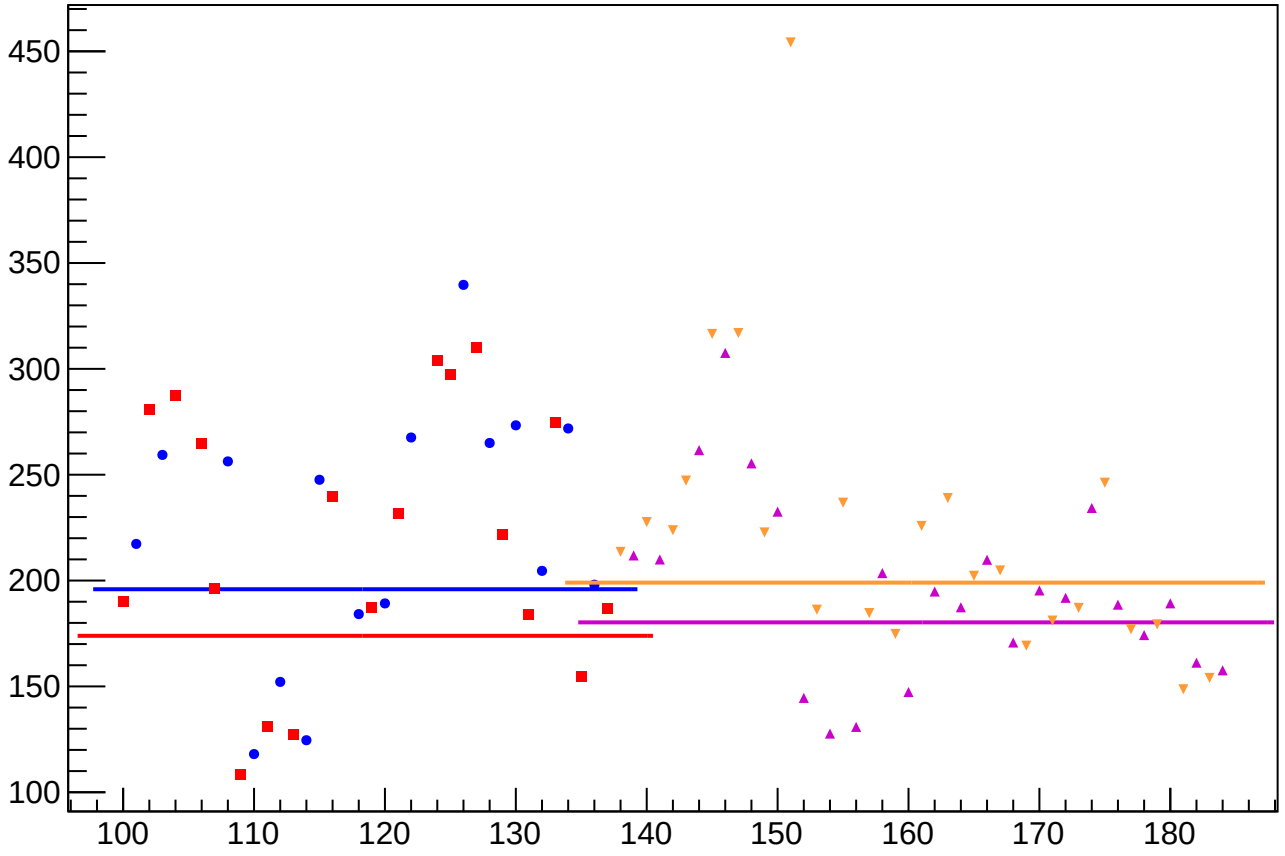
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 94.878+/-40.223 χ^2/NDF: 30.0/39

All: 18.056+/-27.262 χ^2/NDF: 67.5/81

- sign -47.221+/-37.078 χ^2/NDF: 30.8/41

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

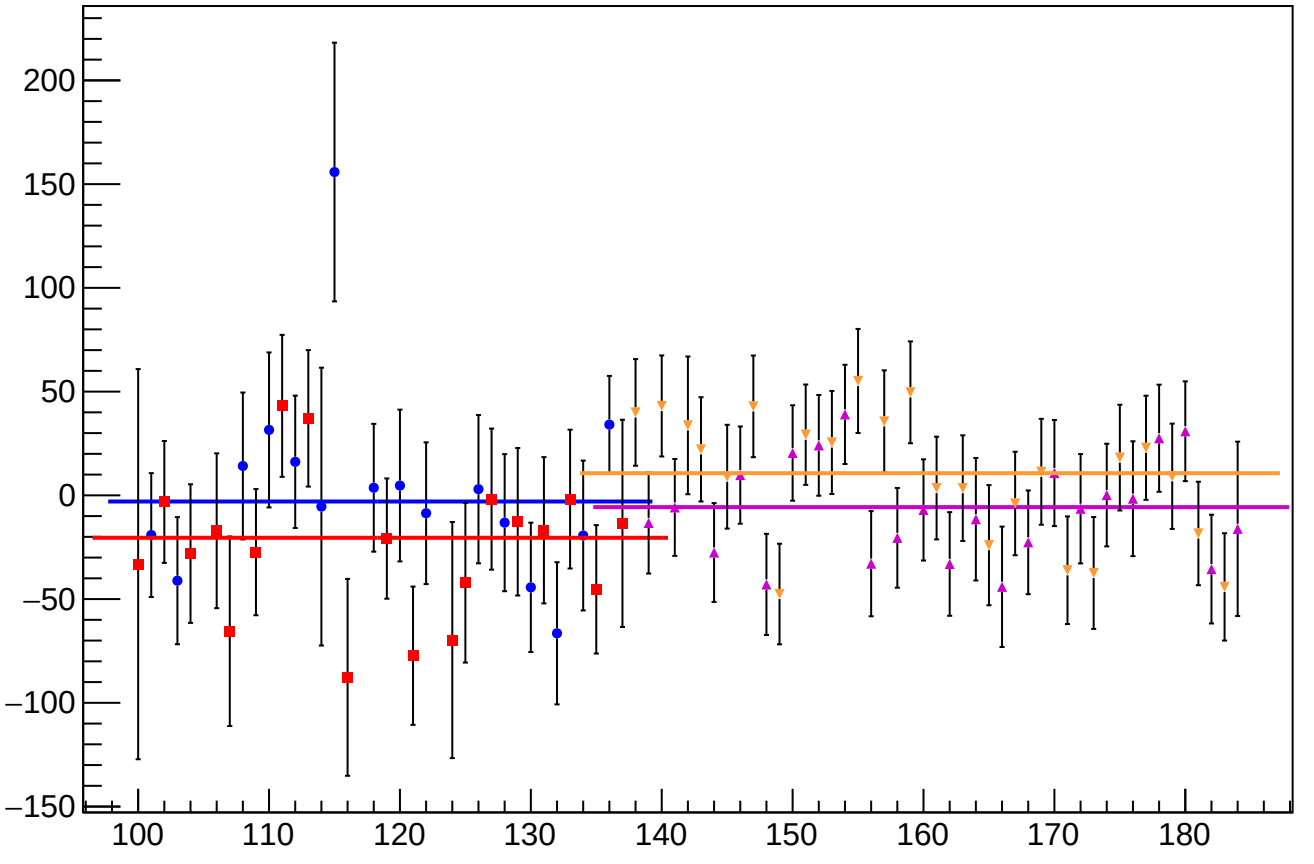
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 198.172+/-0.028 χ^2/NDF: 2754446.7/39

All: 187.488+/-0.019 χ^2/NDF: 6254912.9/81

- sign 178.409+/-0.026 χ^2/NDF: 3239442.8/41



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

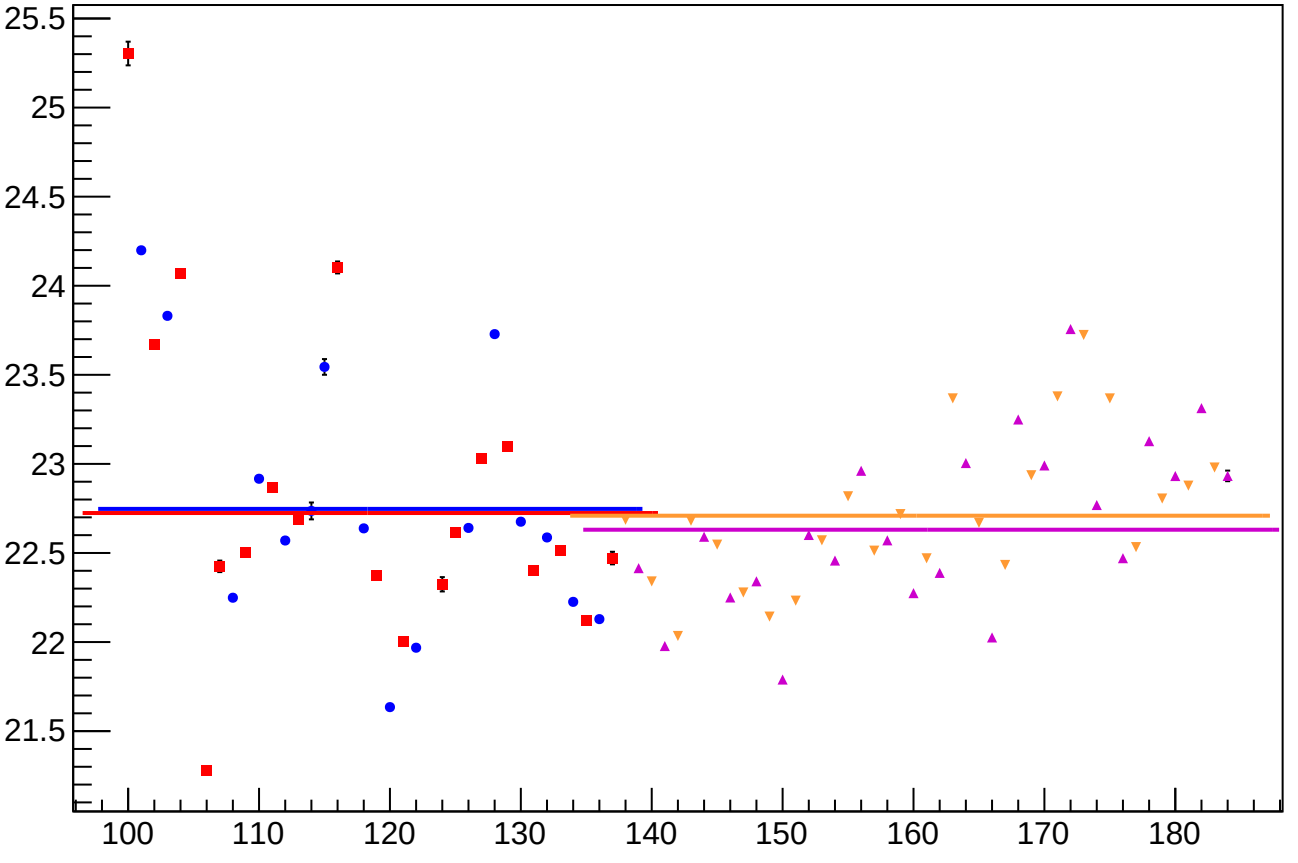
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 6.936+/-4.427 χ^2/NDF: 53.3/39

All: -1.444+/-3.141 χ^2/NDF: 98.8/81

- sign -9.942+/-4.458 χ^2/NDF: 38.4/41

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

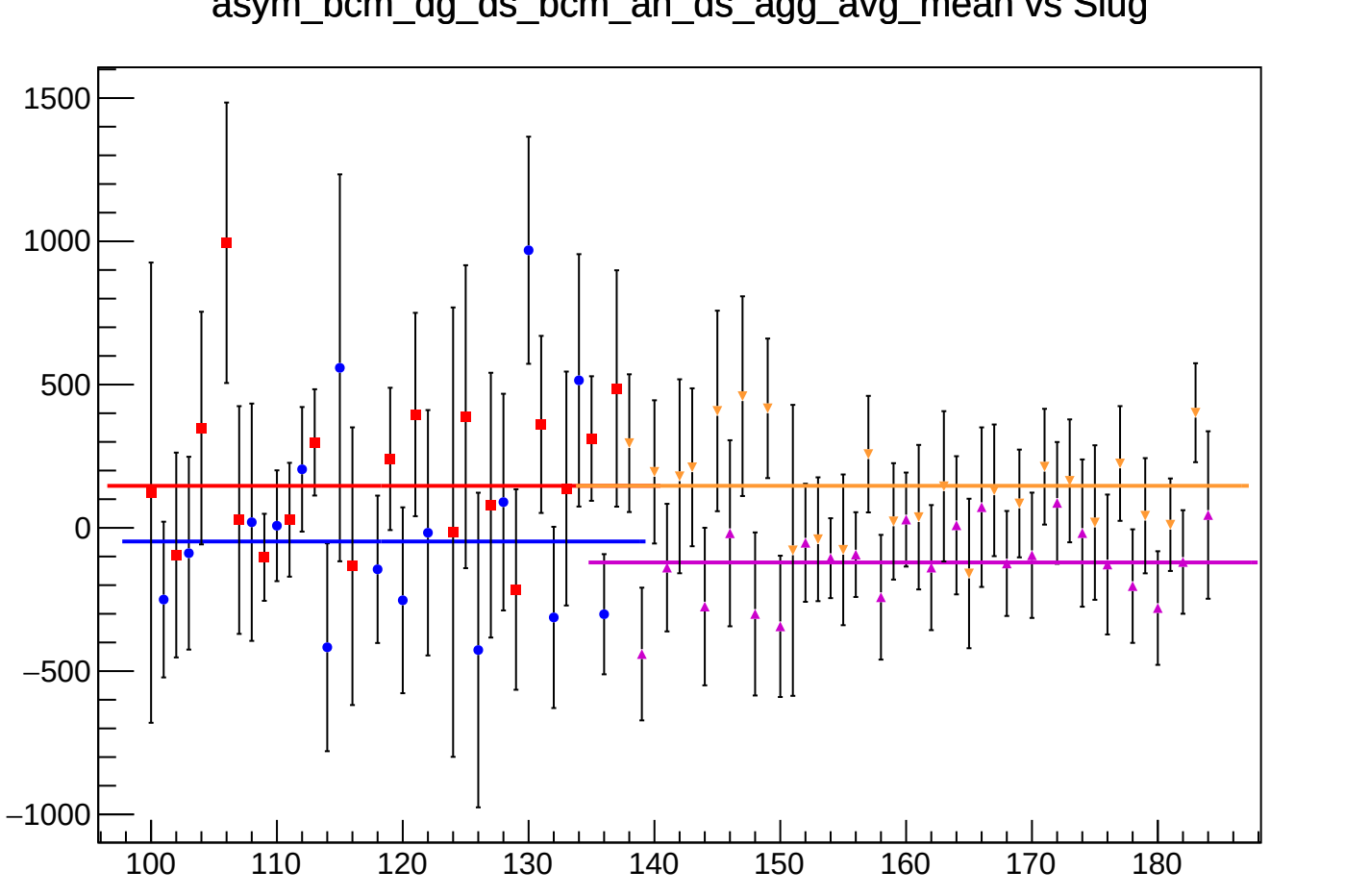
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.720+/-0.003 χ^2/NDF: 26611.3/39

All: 22.689+/-0.002 χ^2/NDF: 56870.4/81

- sign 22.658+/-0.003 χ^2/NDF: 30063.6/41



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 146.697+/-47.115 χ^2/NDF:10.7/23

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

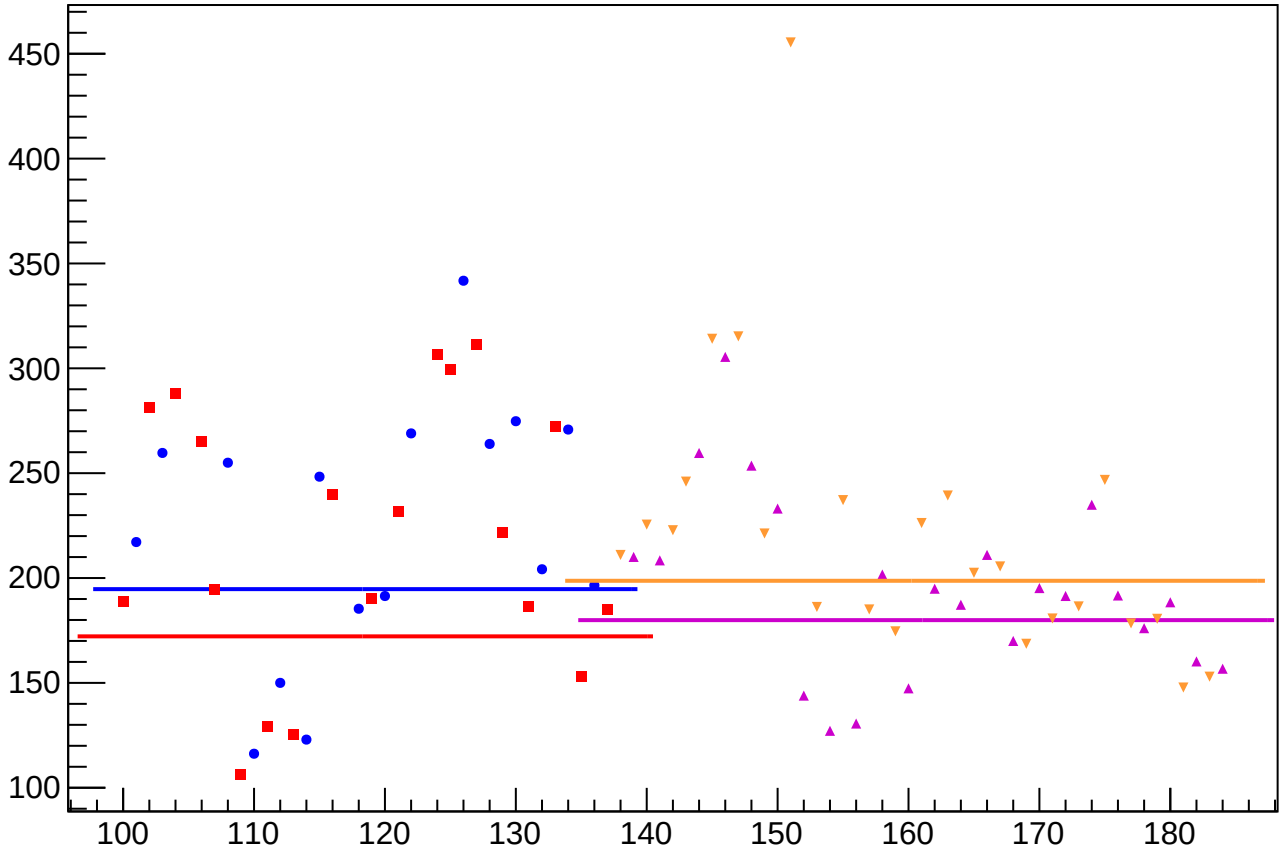
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 93.359+/-40.127 χ^2/NDF: 30.8/39

All: 19.736+/-27.184 χ^2/NDF: 67.3/81

- sign -42.713+/-36.957 χ^2/NDF: 30.3/41

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

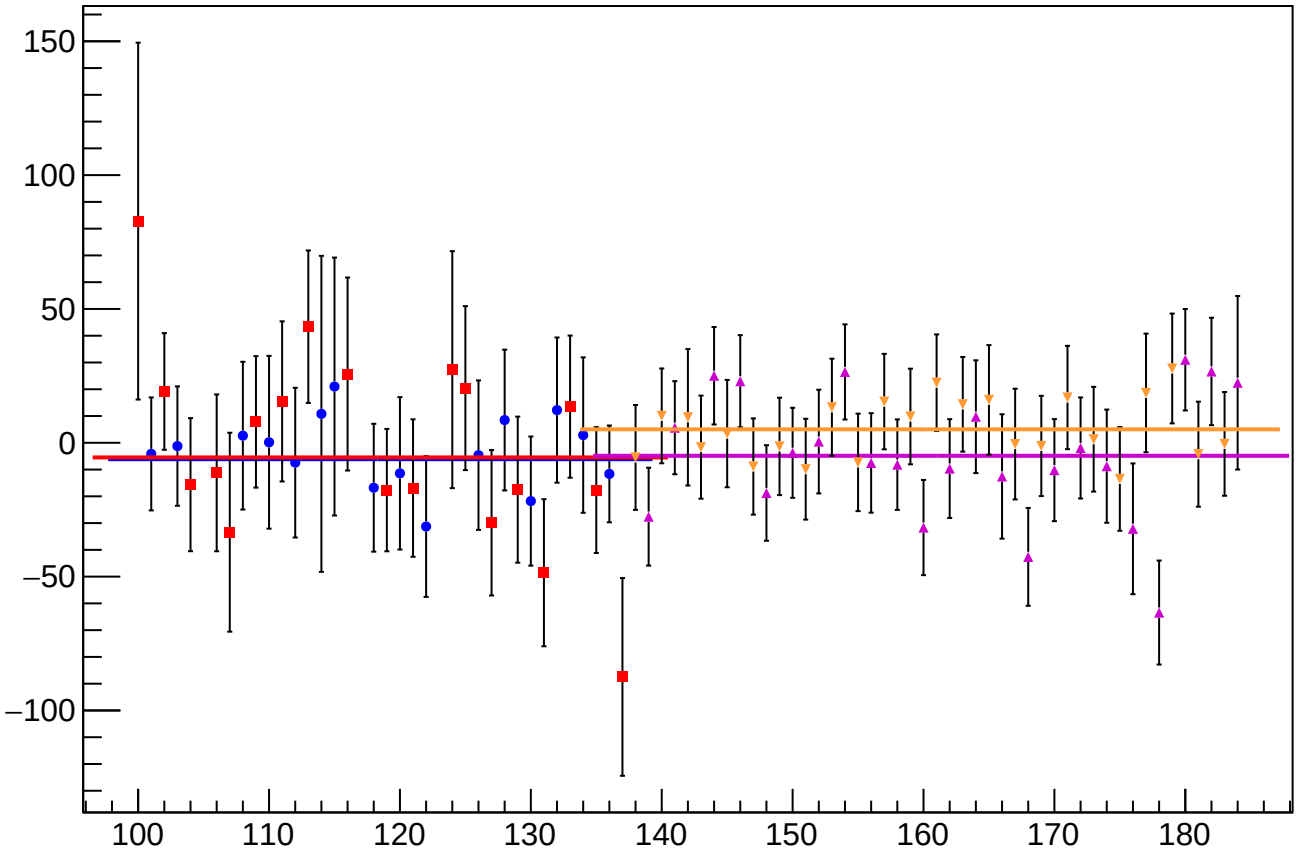
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 197.596+/-0.028 χ^2/NDF: 2796928.5/39

All: 186.812+/-0.019 χ^2/NDF: 6377243.9/81

- sign 177.665+/-0.026 χ^2/NDF: 3313334.2/41



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.026+/-3.915 χ^2/NDF:7.9/23

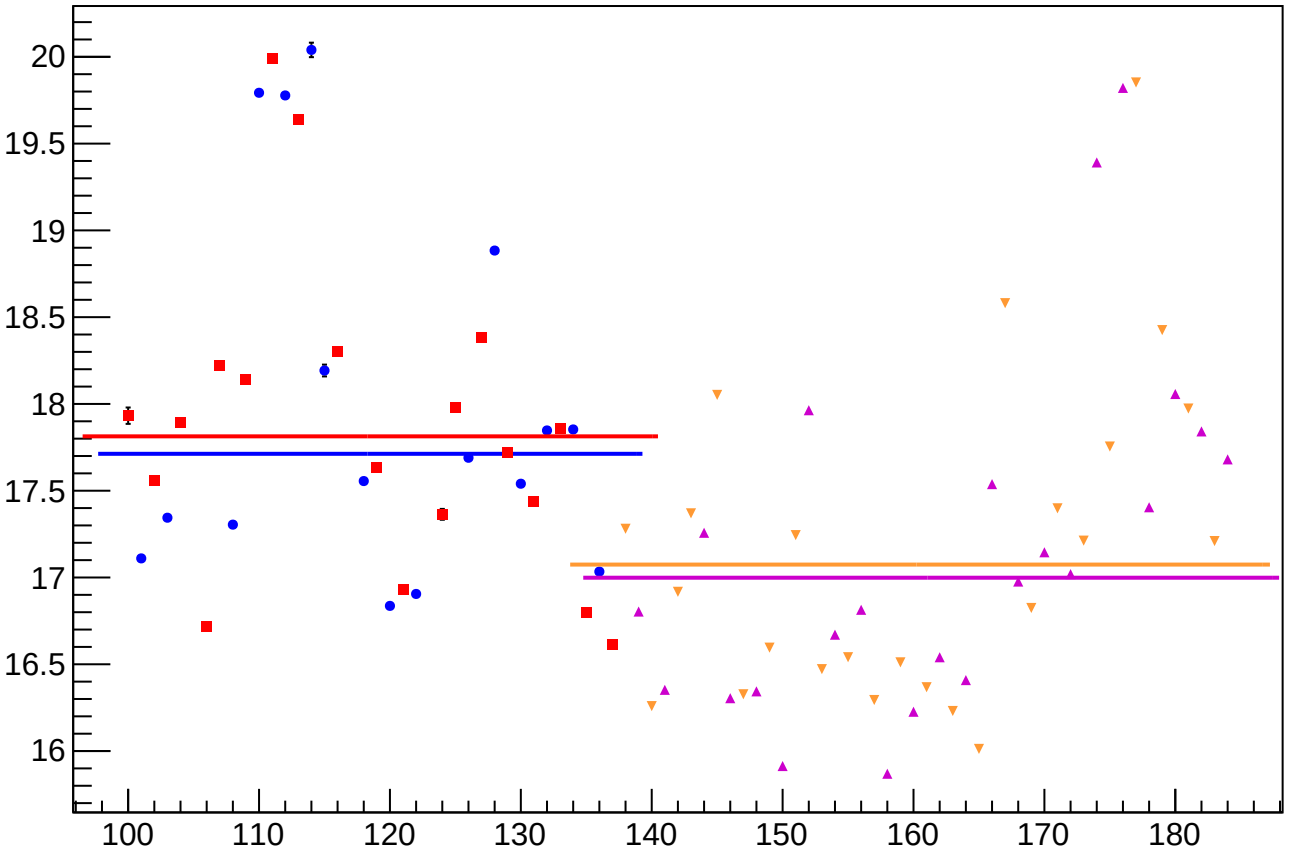
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 2.121+/-3.366 χ^2/NDF: 13.1/39

All: -1.420+/-2.390 χ^2/NDF: 70.1/81

- sign -5.025+/-3.396 χ^2/NDF: 54.7/41



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.074+/-0.003 χ^2/NDF:96023.0/23

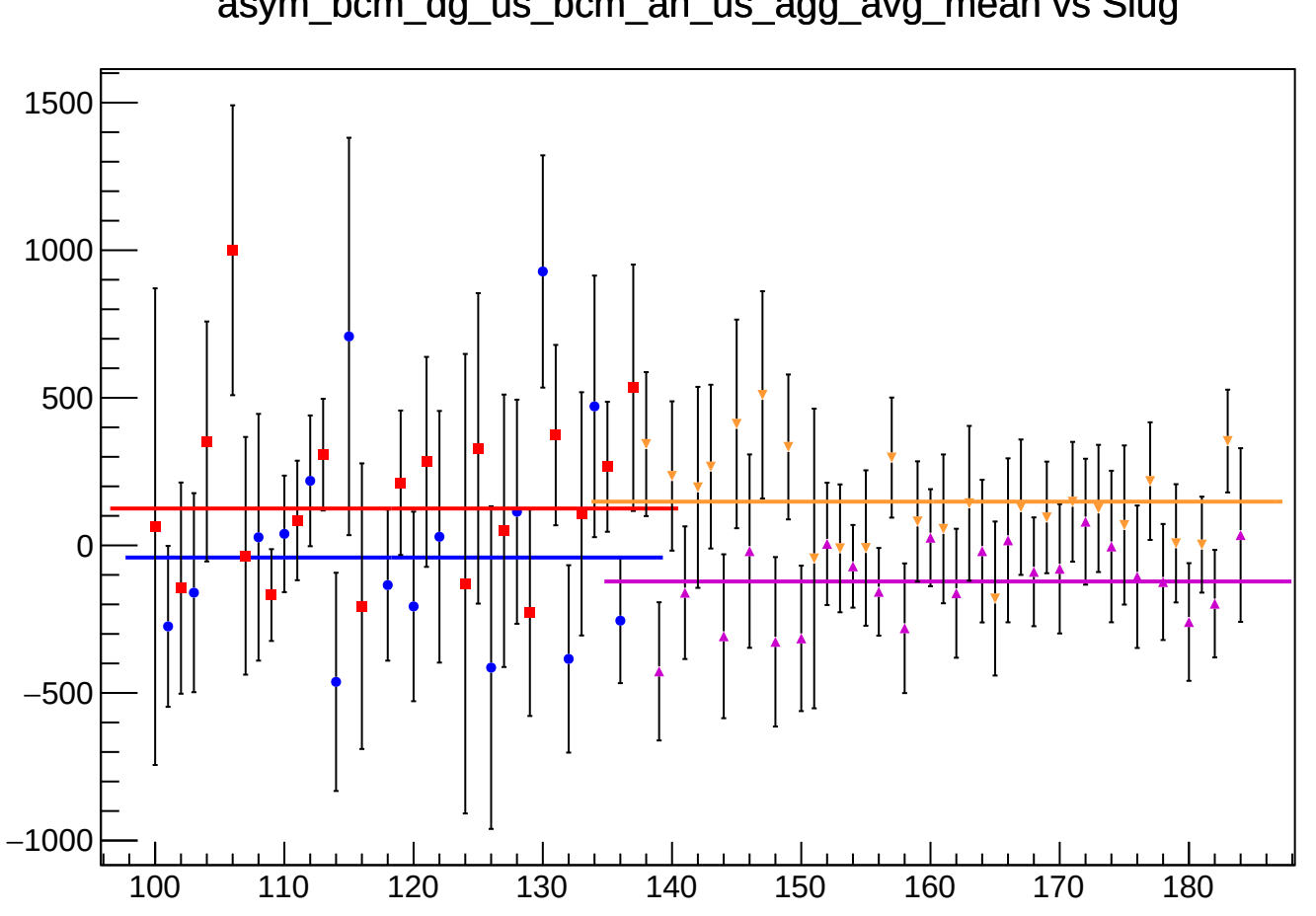
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.241+/-0.002 χ^2/NDF: 145865.3/39

All: 17.231+/-0.002 χ^2/NDF: 305432.9/81

\- sign 17.220+/-0.002 χ^2/NDF: 159531.2/41



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

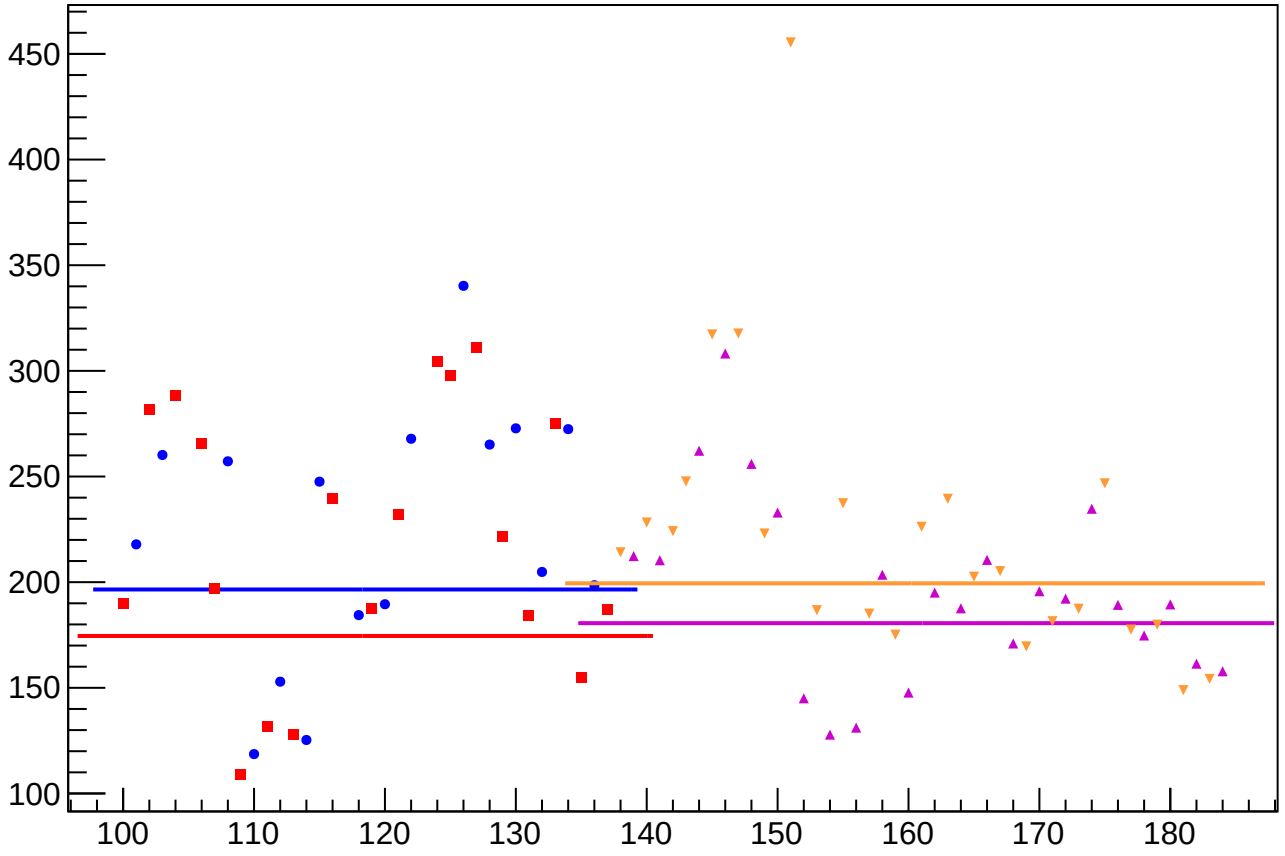
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 96.483+/-40.318 χ^2/NDF: 29.5/39

All: 16.817+/-27.326 χ^2/NDF: 66.6/81

- sign -50.873+/-37.164 χ^2/NDF: 29.9/41

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

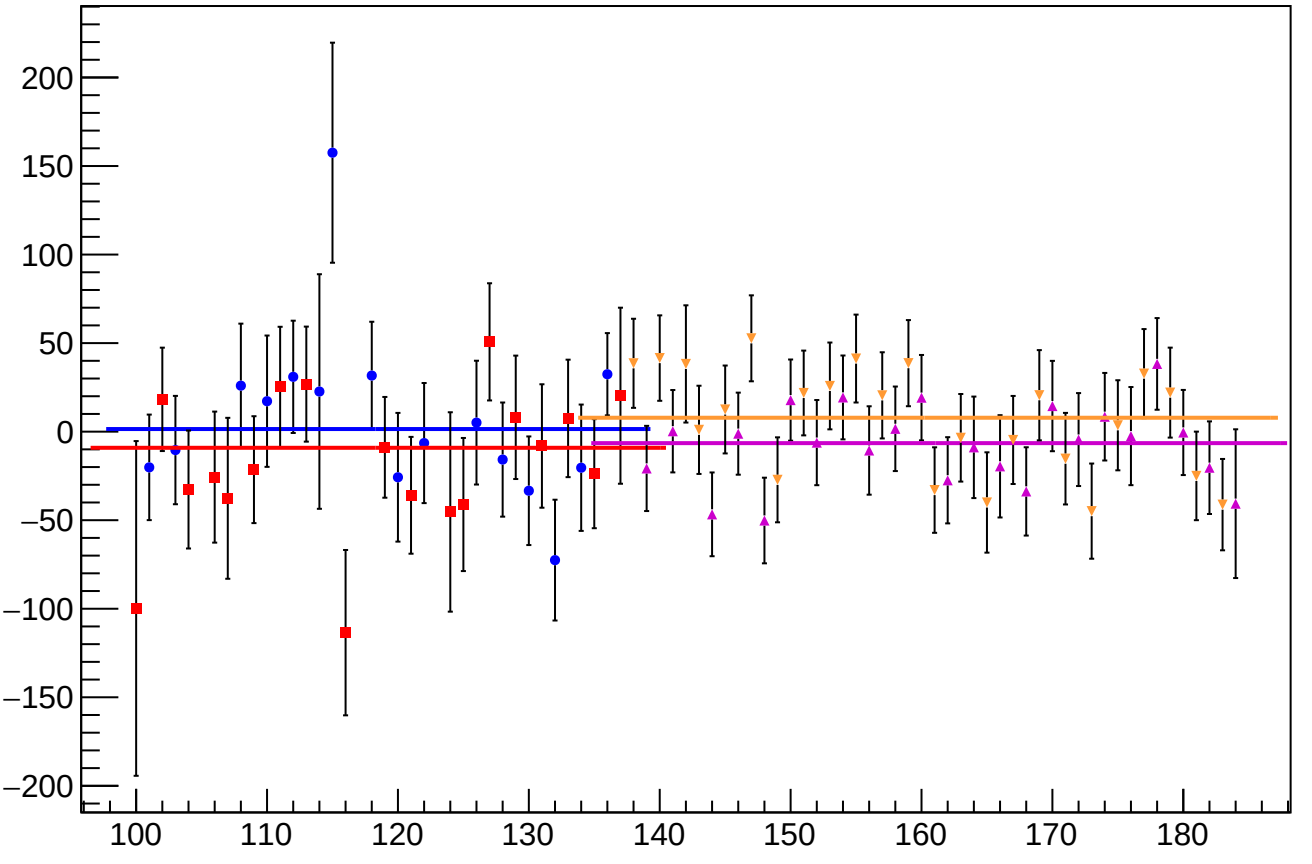
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 198.660+/-0.029 χ^2/NDF: 2745140.1/39

All: 187.949+/-0.019 χ^2/NDF: 6233940.6/81

- sign 178.848+/-0.026 χ^2/NDF: 3227734.0/41



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 7.856+/-5.150 χ^2/NDF:32.3/23

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

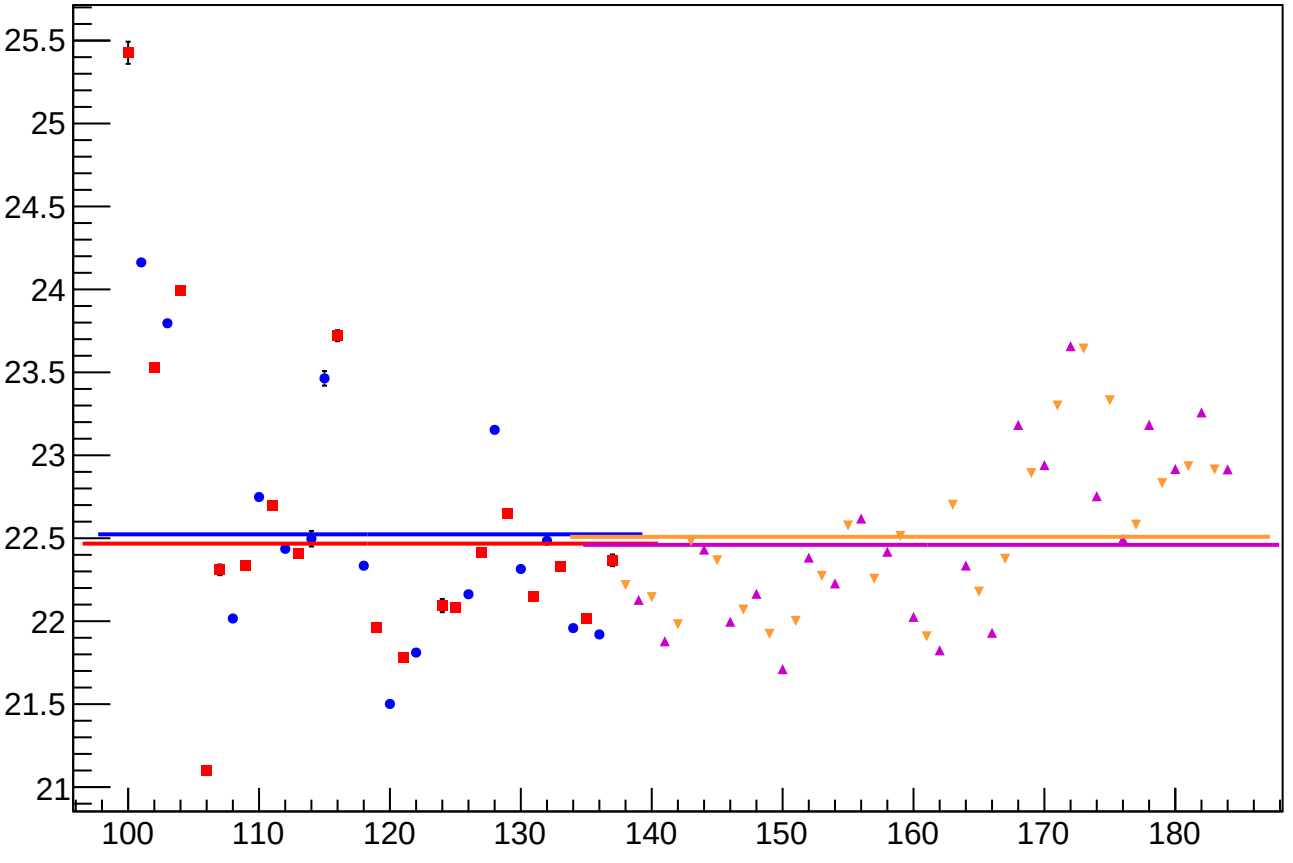
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 6.104+/-4.386 χ^2/NDF: 51.4/39

All: -0.522+/-3.113 χ^2/NDF: 89.9/81

- sign -7.247+/-4.419 χ^2/NDF: 34.0/41

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

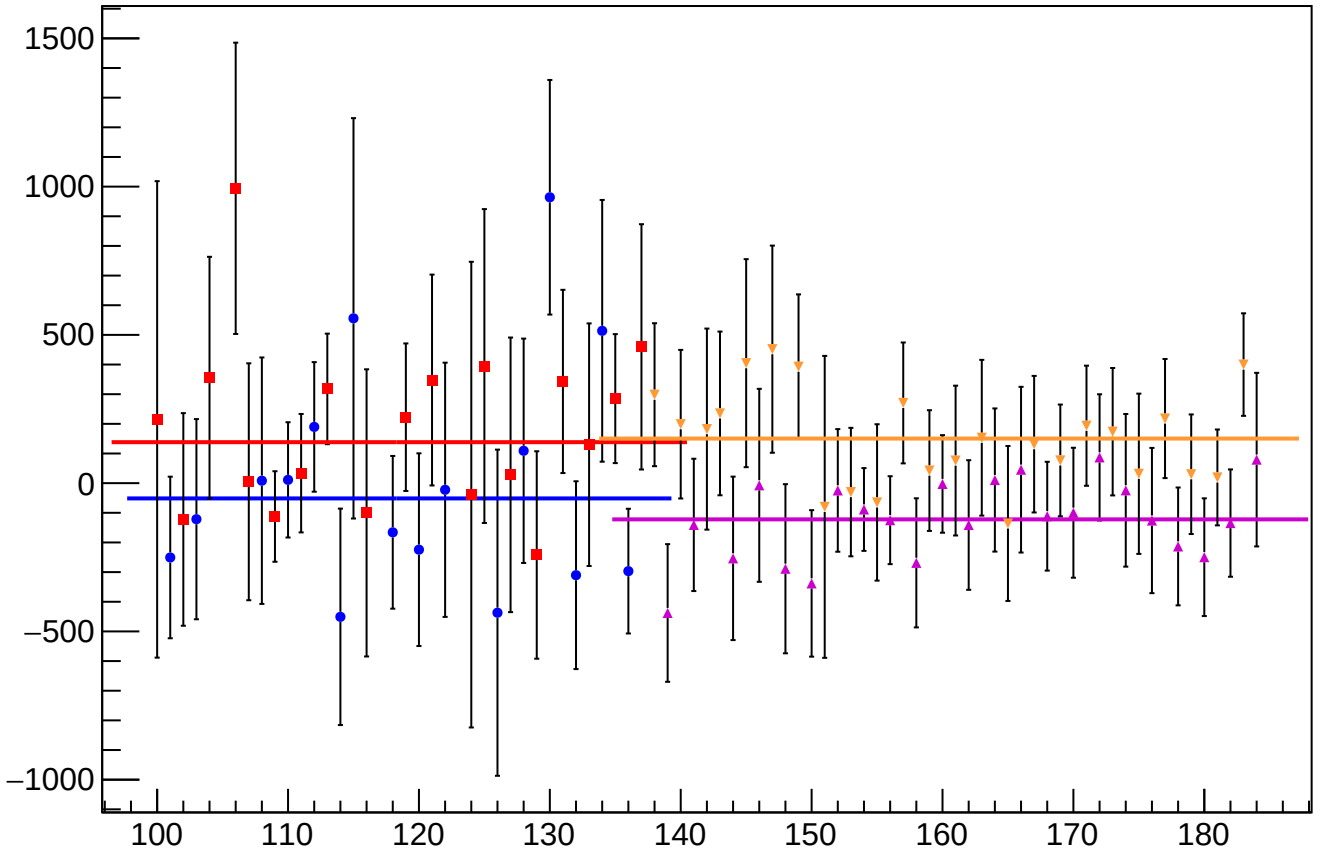
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.513+/-0.003 χ^2/NDF: 31492.3/39

All: 22.488+/-0.002 χ^2/NDF: 66367.9/81

- sign 22.462+/-0.003 χ^2/NDF: 34744.8/41



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 150.369+/-47.217 χ^2/NDF:9.9/23

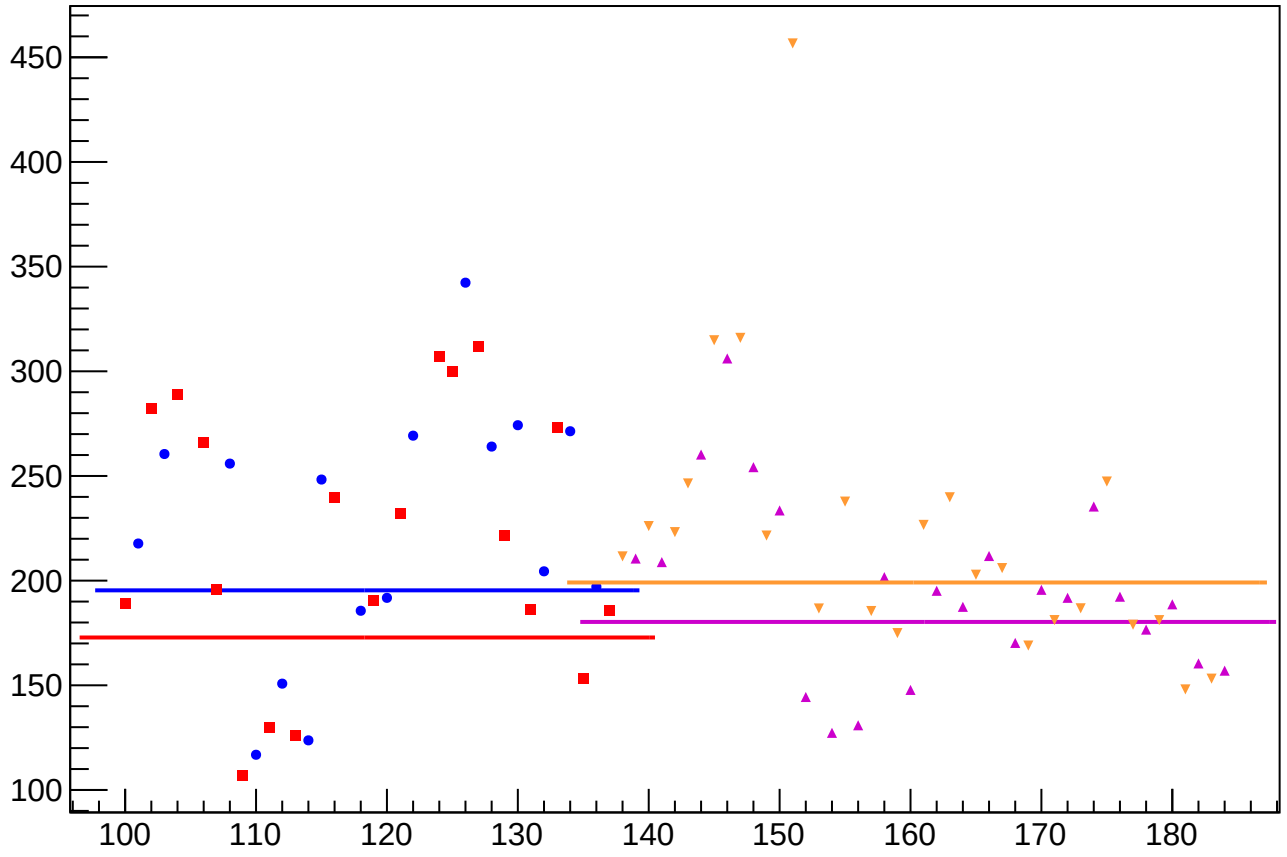
Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 94.995+/-40.223 χ^2/NDF: 30.2/39

All: 18.542+/-27.249 χ^2/NDF: 66.2/81

- sign -46.302+/-37.044 χ^2/NDF: 29.3/41



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 199.117+/-0.033 χ^2/NDF:1742022.0/23

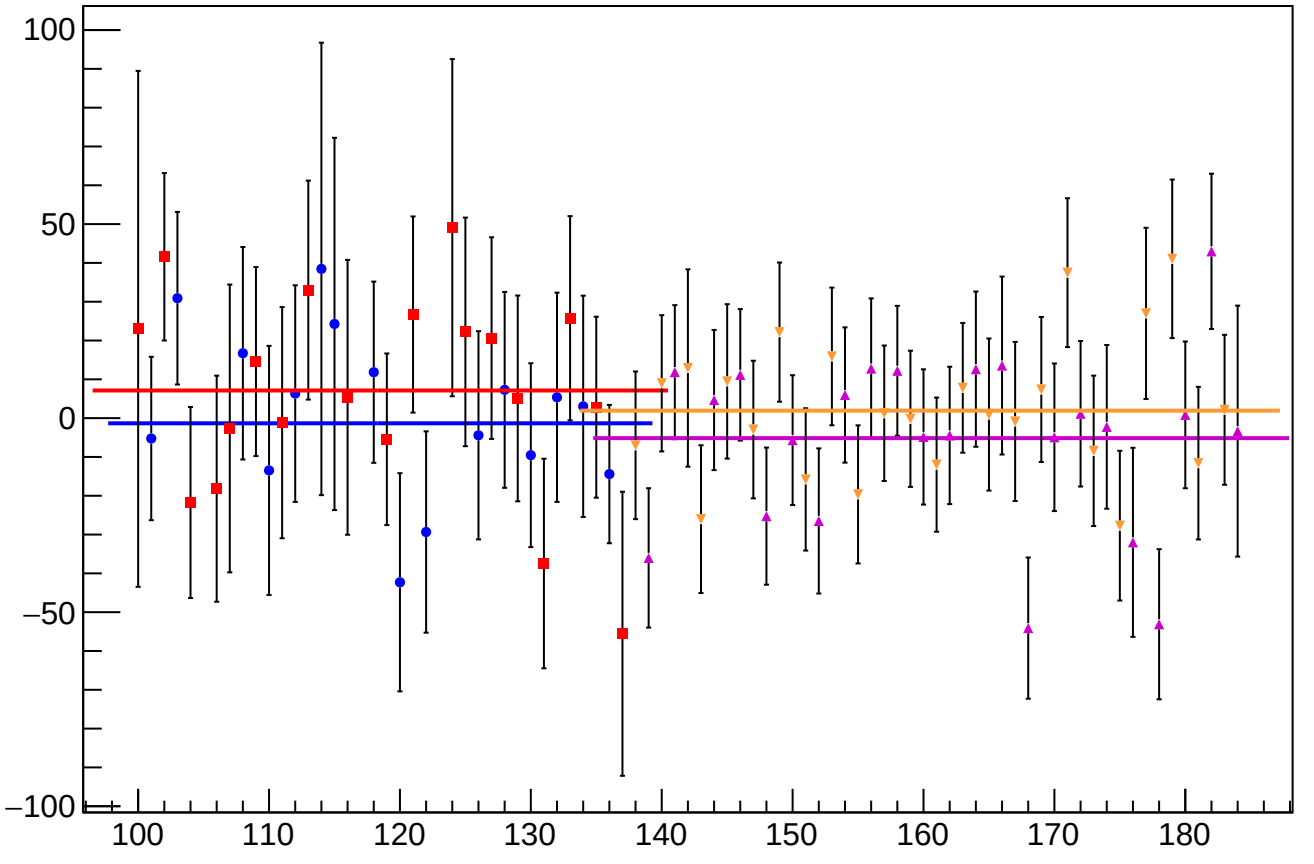
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 198.087+/-0.028 χ^2/NDF: 2786926.7/39

All: 187.276+/-0.019 χ^2/NDF: 6354691.3/81

- sign 178.107+/-0.026 χ^2/NDF: 3300759.1/41



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

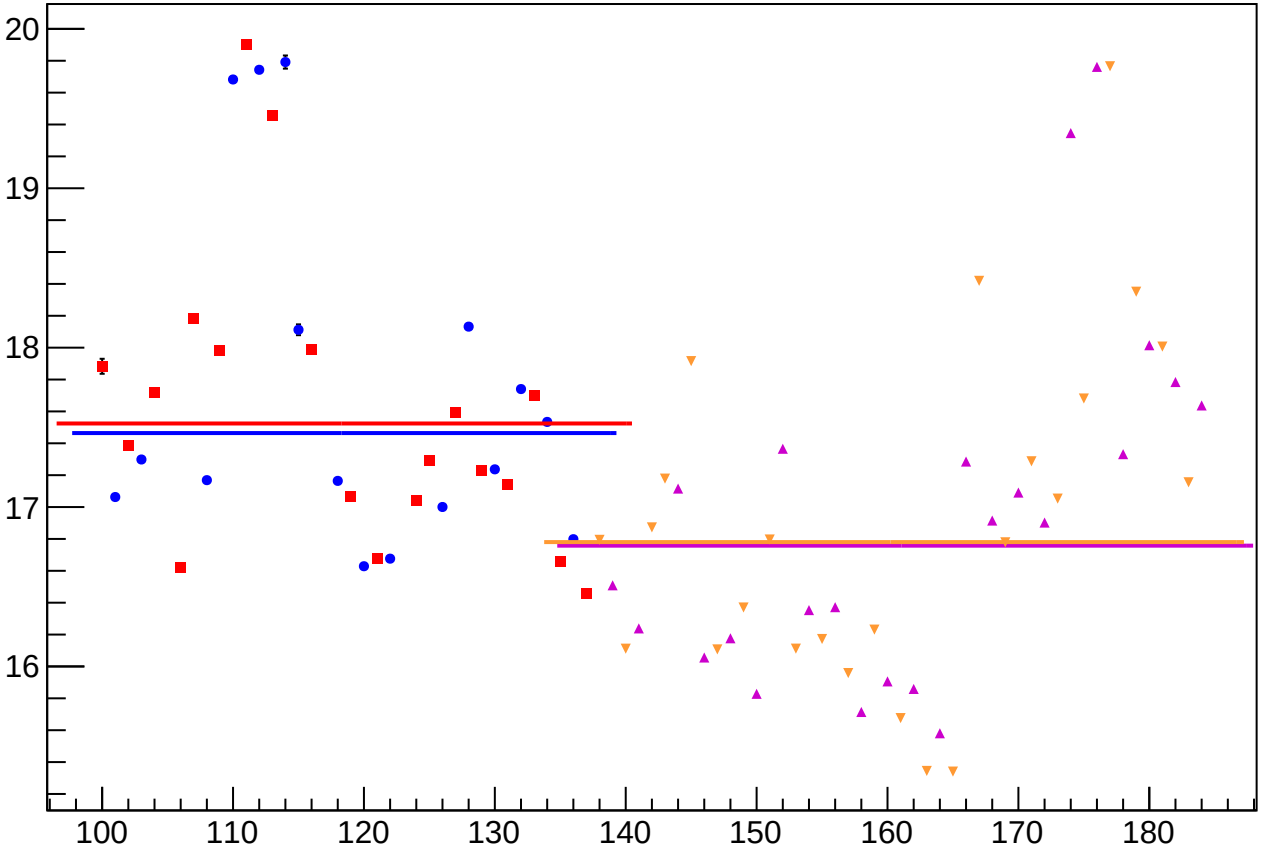
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.086+/-3.311 χ^2/NDF: 27.9/39

All: -0.341+/-2.353 χ^2/NDF: 77.6/81

- sign -1.798+/-3.346 χ^2/NDF: 49.4/41

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

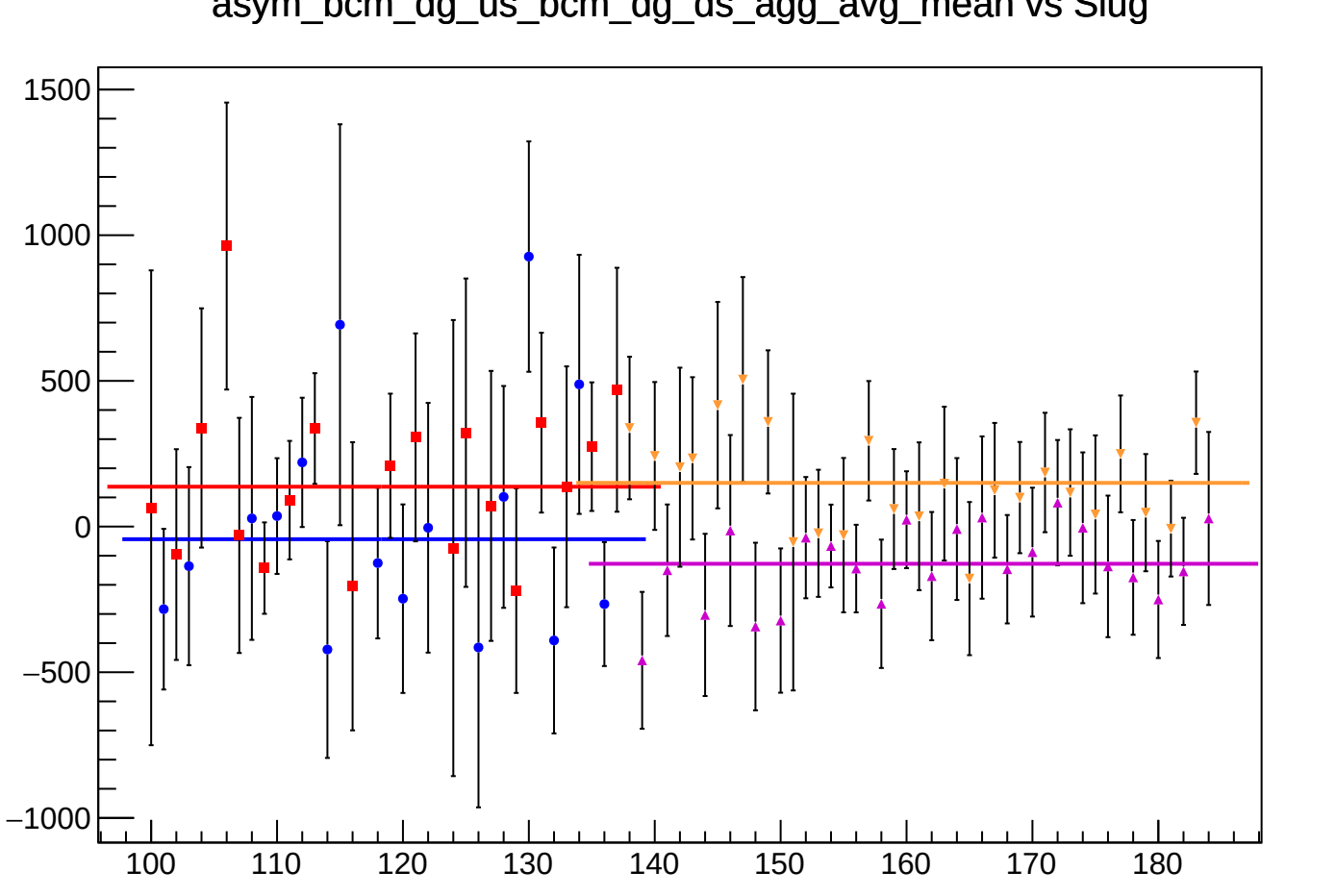
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.958+/-0.002 χ^2/NDF: 188500.1/39

All: 16.962+/-0.002 χ^2/NDF: 367382.4/81

- sign 16.967+/-0.002 χ^2/NDF: 178874.4/41



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

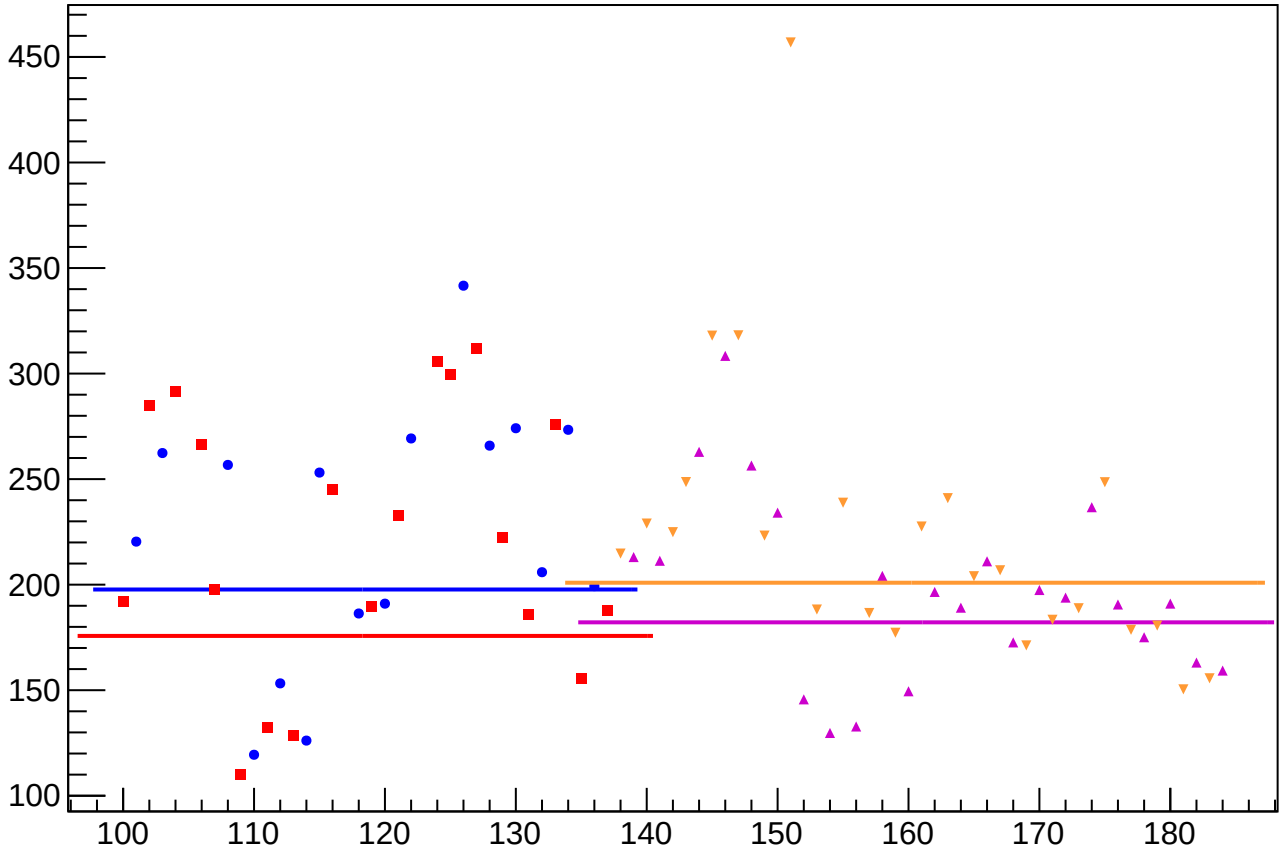
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 97.014+/-40.581 χ^2/NDF: 29.9/39

All: 17.019+/-27.518 χ^2/NDF: 66.8/81

- sign -51.076+/-37.441 χ^2/NDF: 29.6/41

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

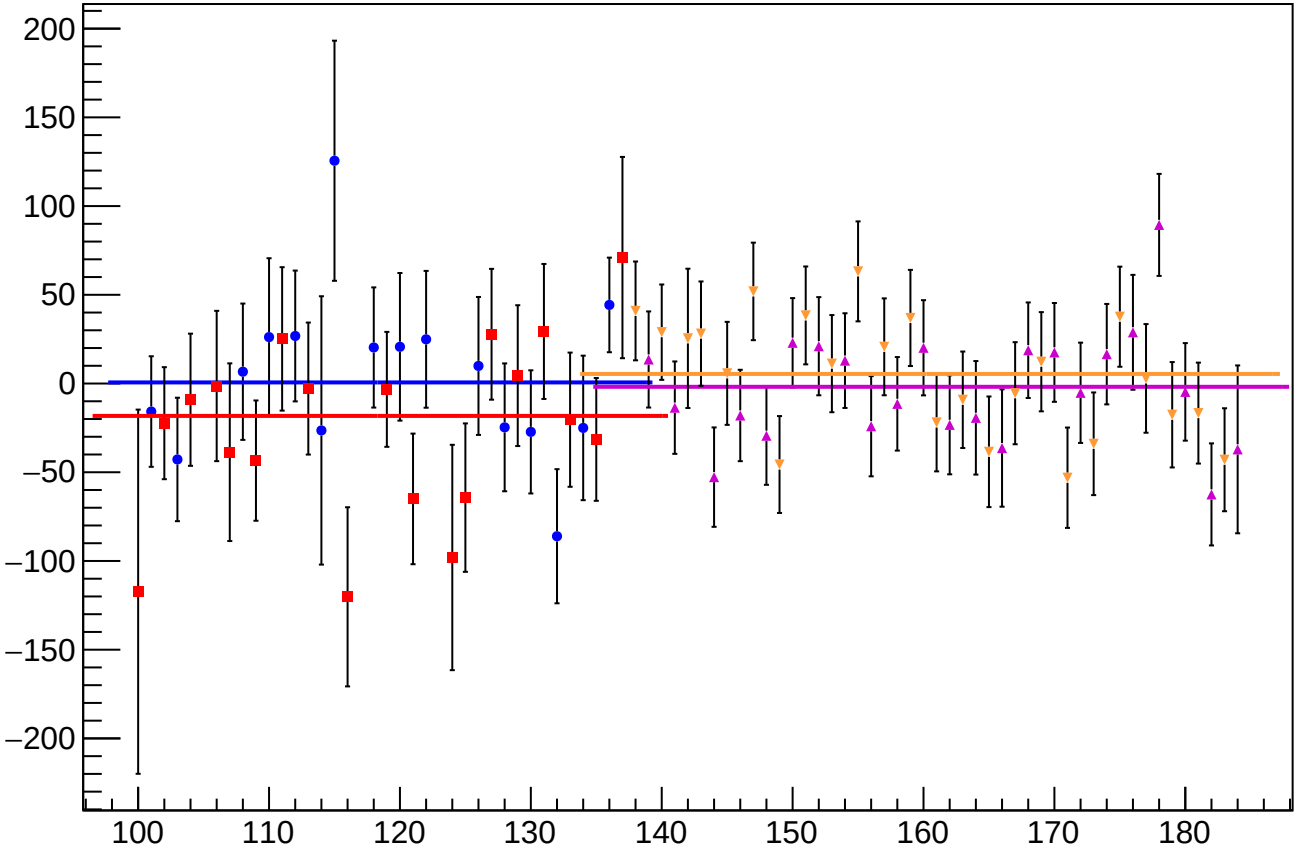
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 200.040+/-0.029 χ^2/NDF: 2716182.3/39

All: 189.369+/-0.019 χ^2/NDF: 6159266.8/81

- sign 180.286+/-0.026 χ^2/NDF: 3187074.1/41

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 5.411+/-5.826 χ^2/NDF:31.8/23

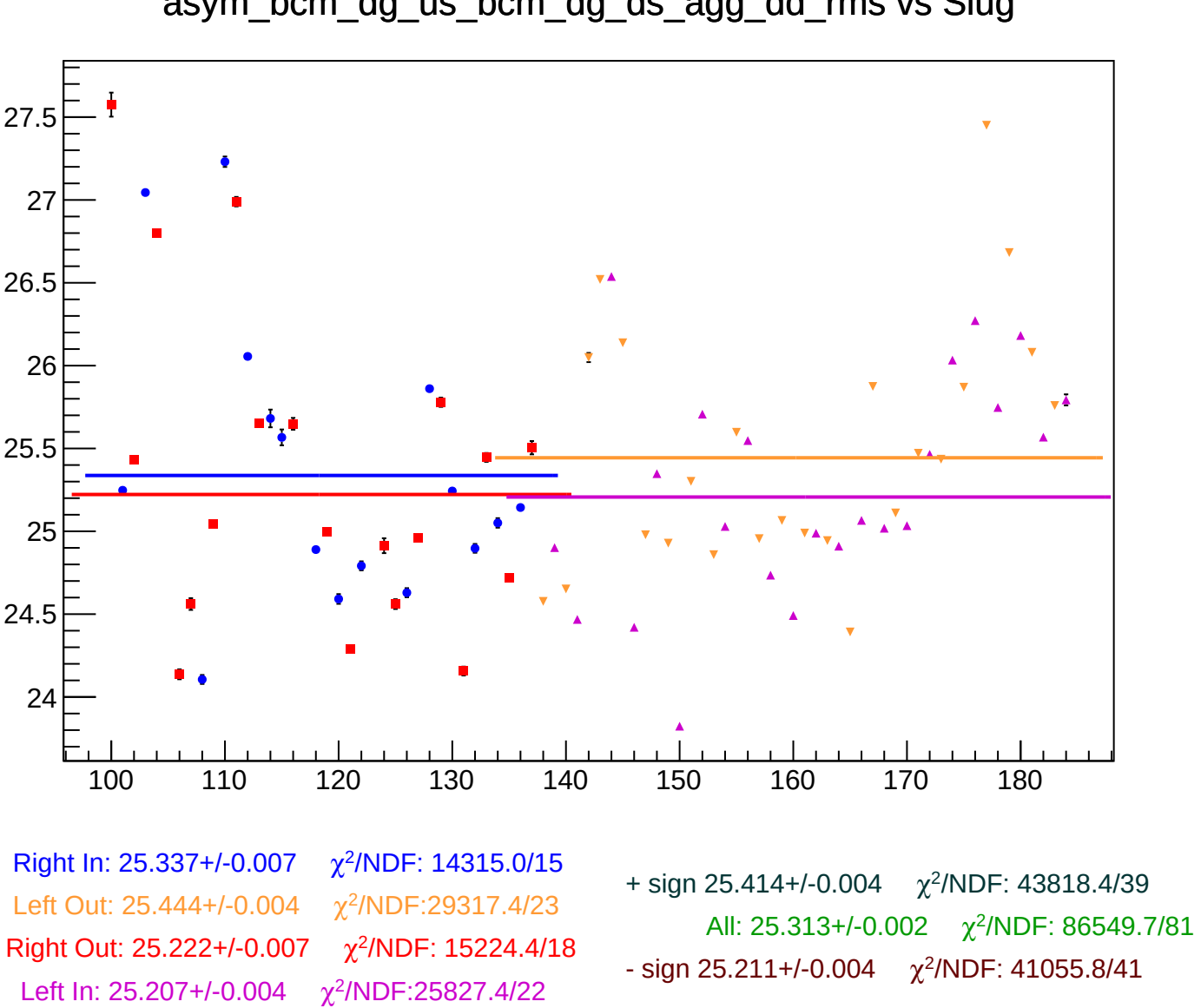
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

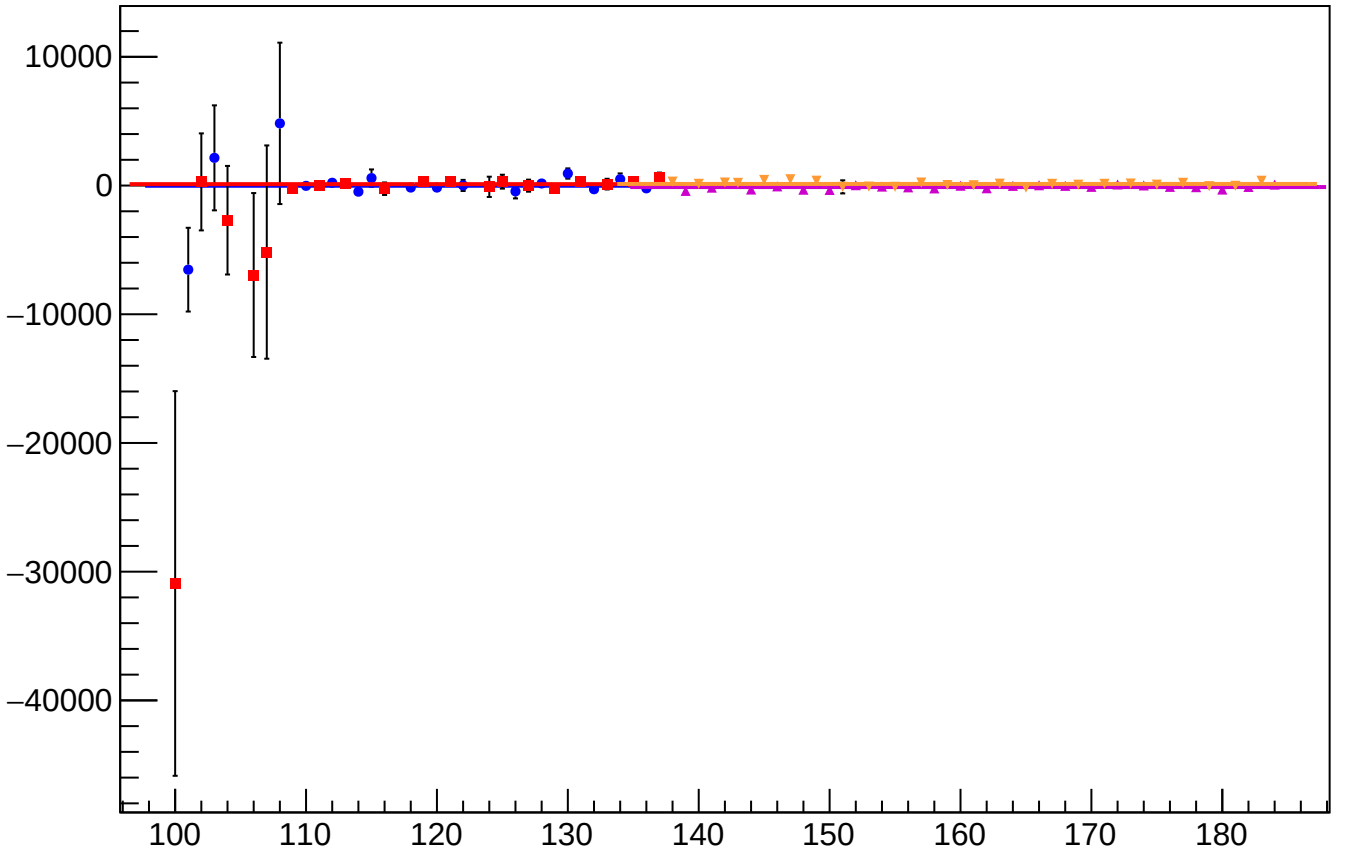
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 4.086+/-4.955 χ^2/NDF: 48.8/39

All: -1.255+/-3.507 χ^2/NDF: 99.4/81

- sign -6.614+/-4.964 χ^2/NDF: 48.3/41


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: 25.207+/-0.004 χ²/NDF:25827.4/22
+ sign 25.414+/-0.004 χ²/NDF: 43818.4/39
All: 25.313+/-0.002 χ²/NDF: 86549.7/81
- sign 25.211+/-0.004 χ²/NDF: 41055.8/41



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 123.392+/-47.496 χ^2/NDF:11.0/23

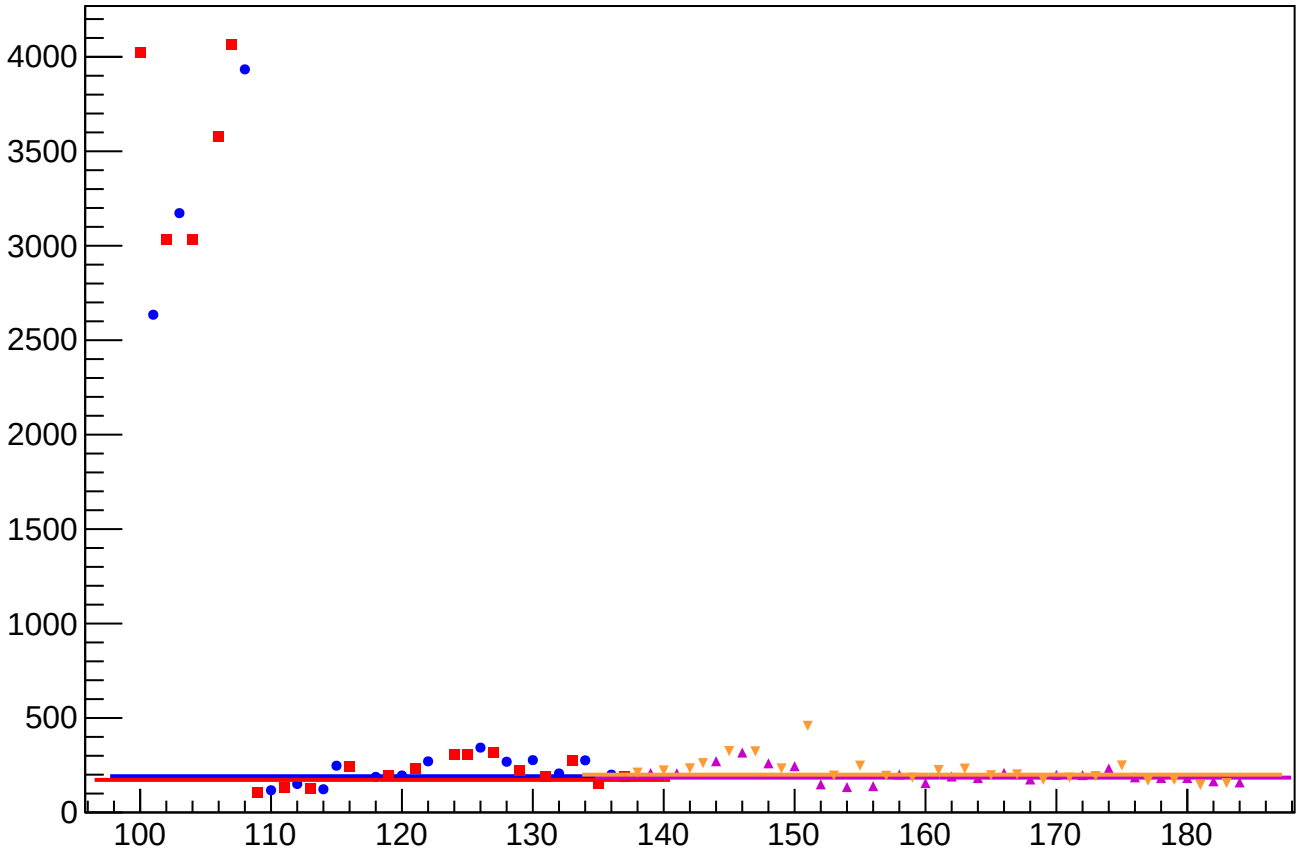
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

\+ sign 90.179+/-41.427 χ^2/NDF: 31.4/39

All: 9.759+/-28.360 χ^2/NDF: 66.8/81

\- sign -61.174+/-38.907 χ^2/NDF: 28.3/41



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 200.079+/-0.034 χ^2/NDF:1858417.5/23

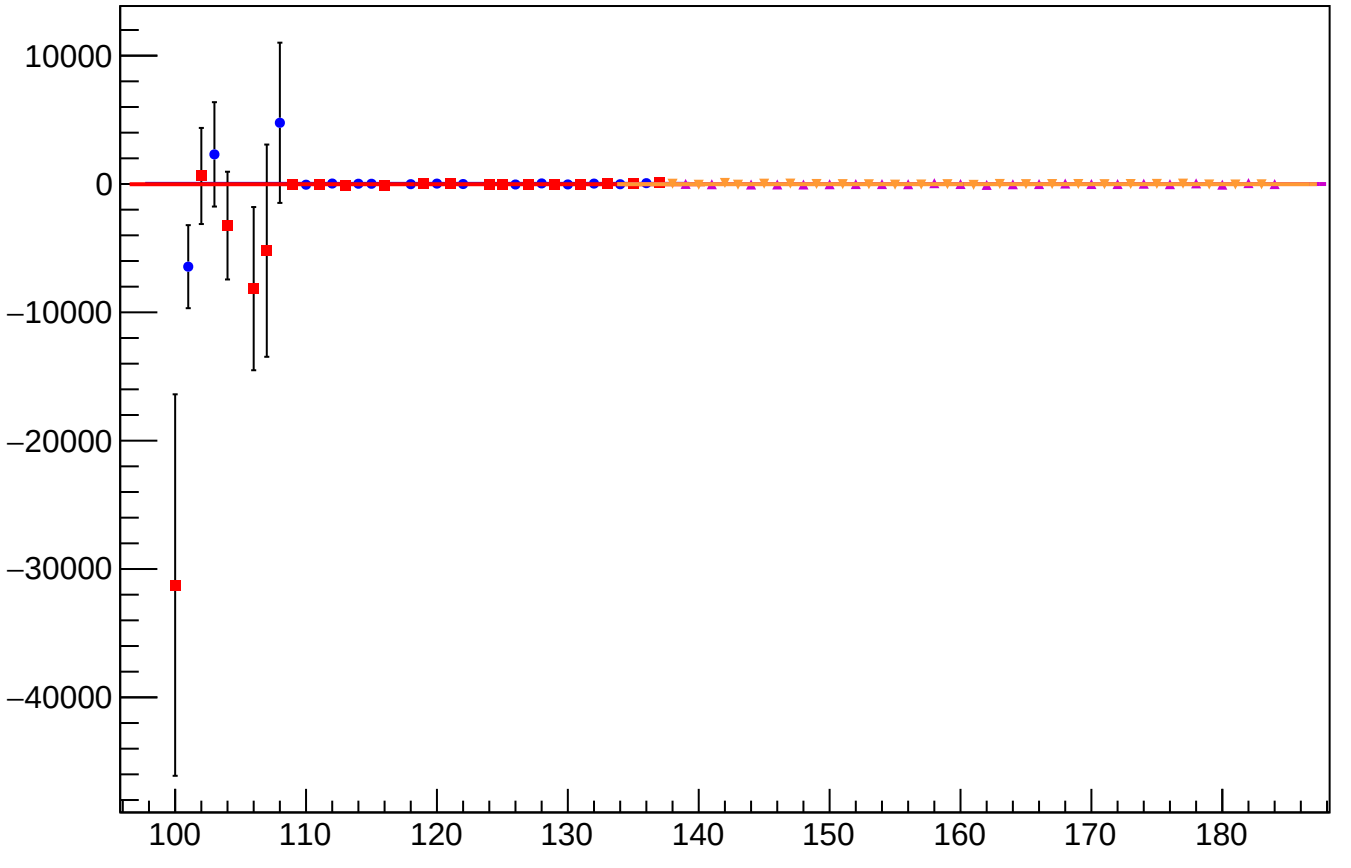
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 198.083+/-0.029 χ^2/NDF: 5694984.7/39

All: 189.238+/-0.020 χ^2/NDF: 11651132.4/81

- sign 181.436+/-0.028 χ^2/NDF: 5784559.6/41



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

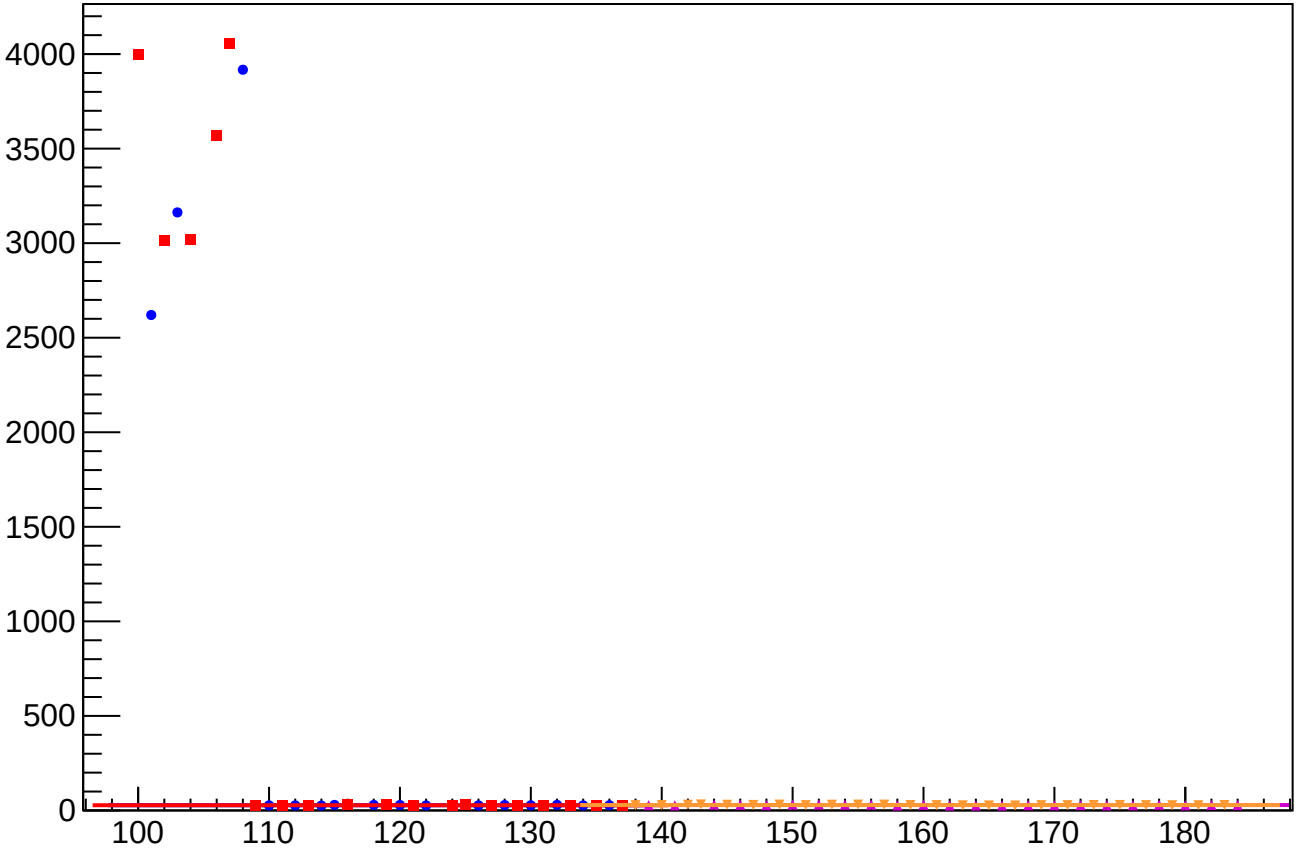
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.481+/-5.717 χ^2/NDF: 40.6/39

All: -7.292+/-4.082 χ^2/NDF: 95.2/81

- sign -6.057+/-5.829 χ^2/NDF: 54.4/41

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

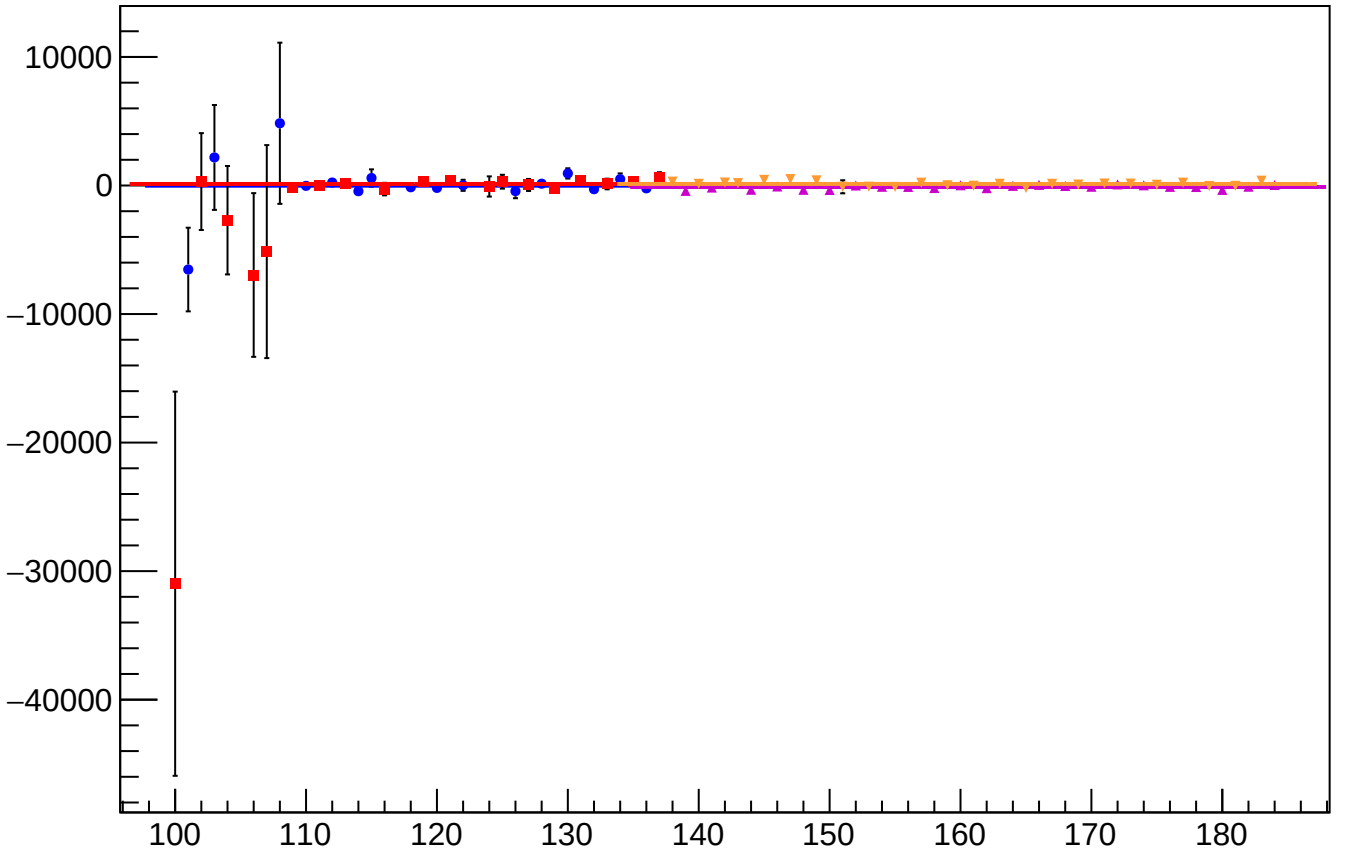
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.359+/-0.004 χ^2/NDF: 3363551.7/39

All: 28.352+/-0.003 χ^2/NDF: 7054169.0/81

- sign 28.345+/-0.004 χ^2/NDF: 3690610.7/41



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 119.775+/-47.393 χ^2/NDF:11.9/23

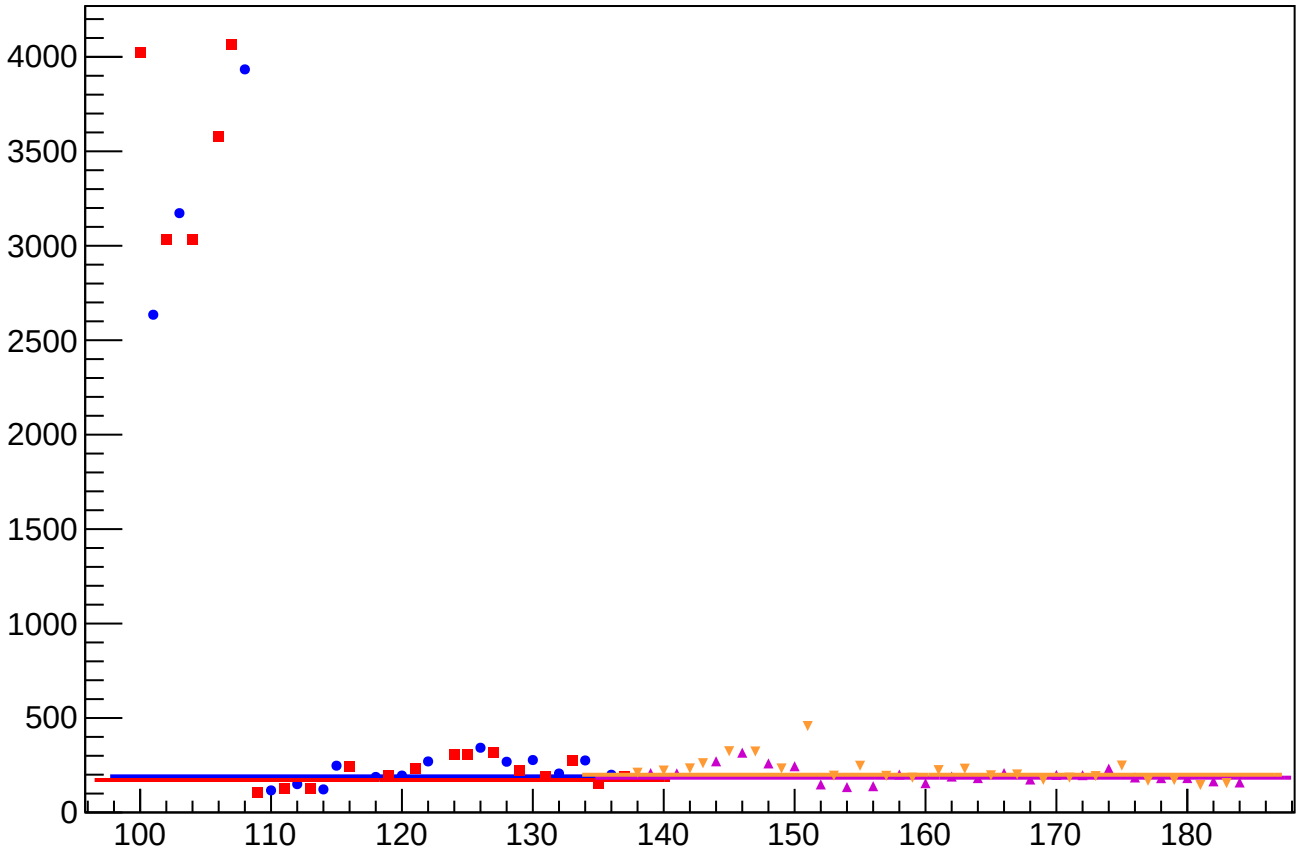
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 87.938+/-41.330 χ^2/NDF: 32.1/39

All: 10.409+/-28.296 χ^2/NDF: 68.4/81

- sign -57.995+/-38.822 χ^2/NDF: 29.7/41



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 199.650+/-0.034 χ^2/NDF:1857950.6/23

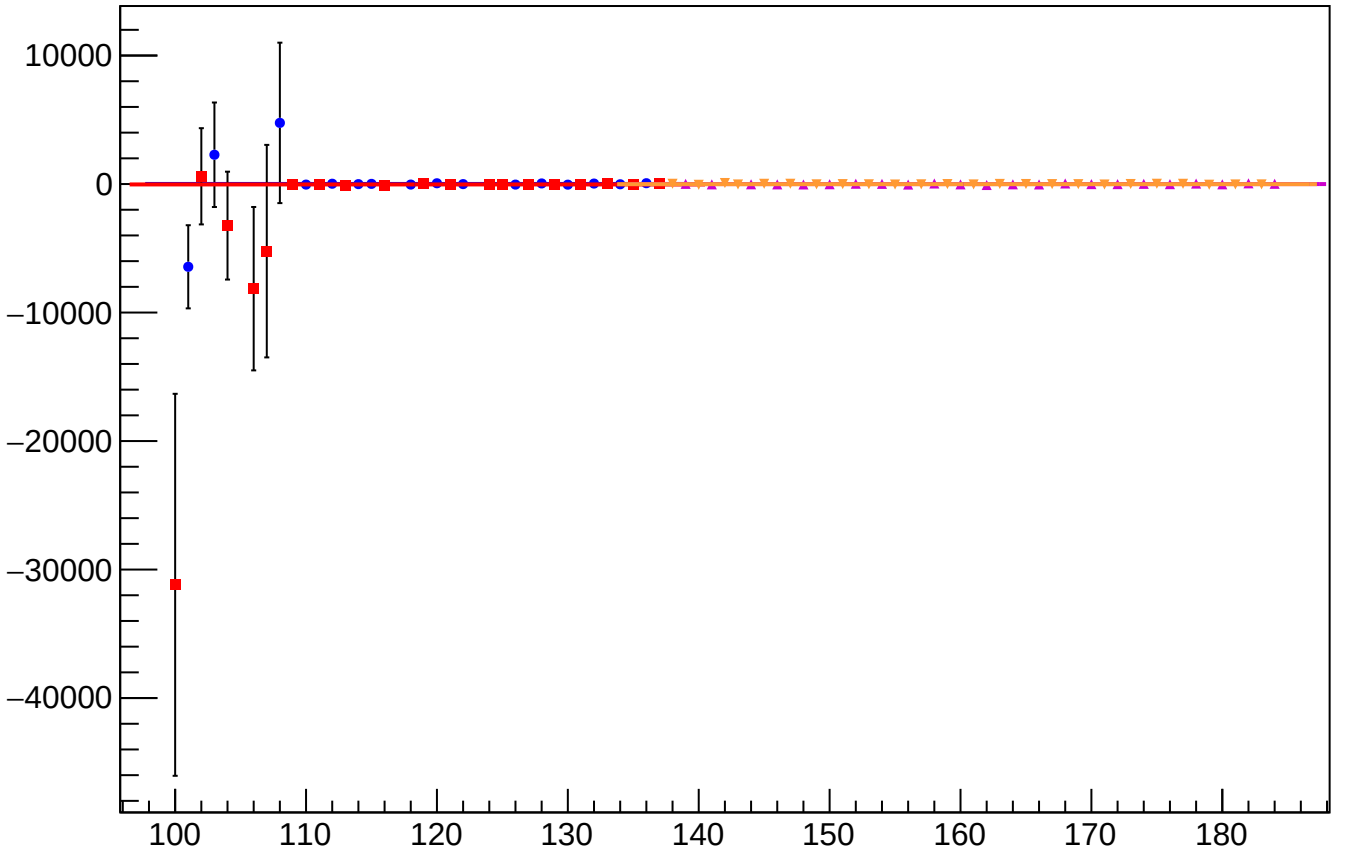
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 197.595+/-0.029 χ^2/NDF: 5707603.7/39

All: 188.786+/-0.020 χ^2/NDF: 11675760.5/81

- sign 181.014+/-0.027 χ^2/NDF: 5797138.4/41



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -11.016+/-6.585 χ^2/NDF:16.7/23

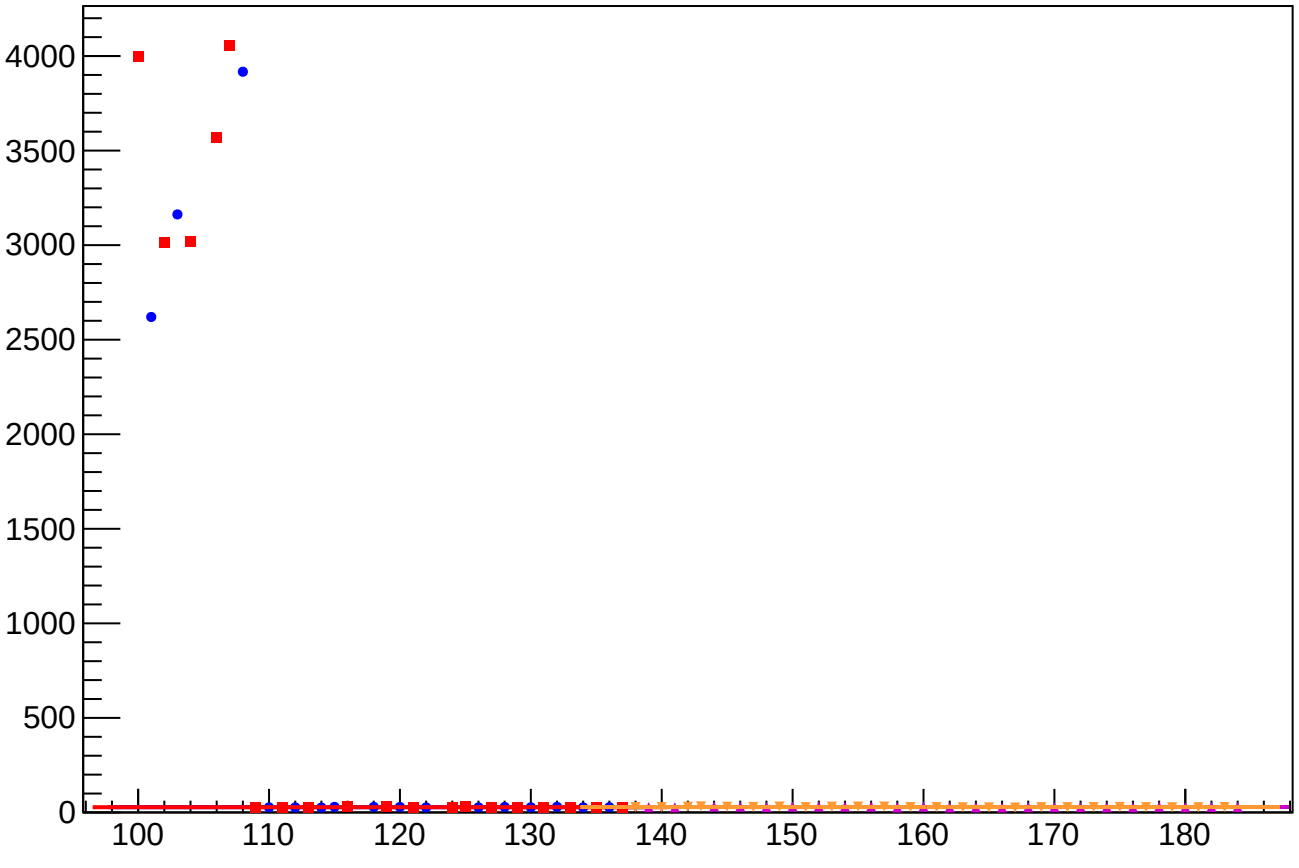
Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.840+/-5.746 χ^2/NDF: 36.6/39

All: -8.123+/-4.103 χ^2/NDF: 83.1/81

- sign -9.457+/-5.860 χ^2/NDF: 46.4/41



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.709+/-0.005 χ^2/NDF:98855.4/23

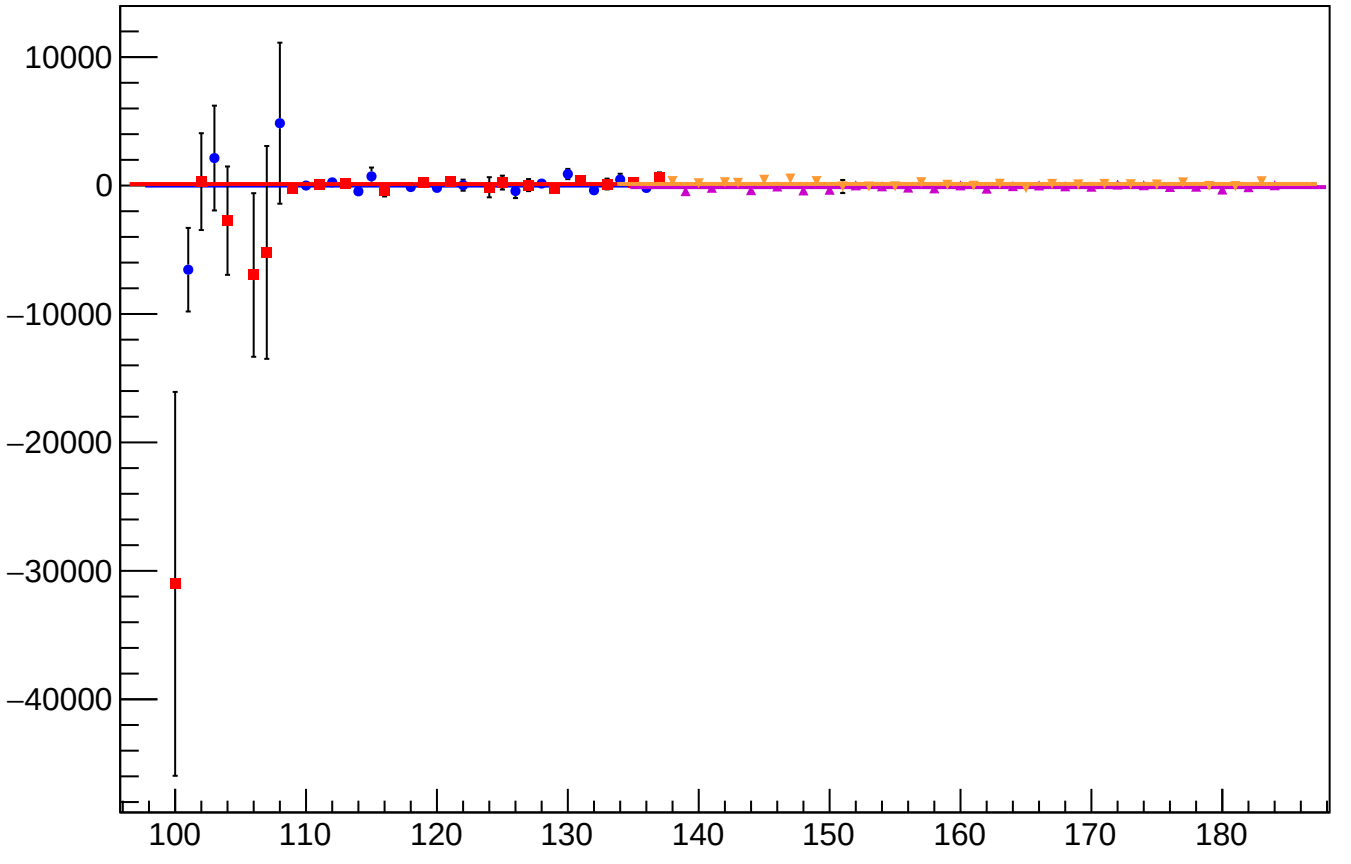
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.498+/-0.004 χ^2/NDF: 3373354.8/39

All: 28.495+/-0.003 χ^2/NDF: 7069566.4/81

- sign 28.492+/-0.004 χ^2/NDF: 3696210.3/41



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 123.186+/-47.868 χ^2/NDF:11.3/23

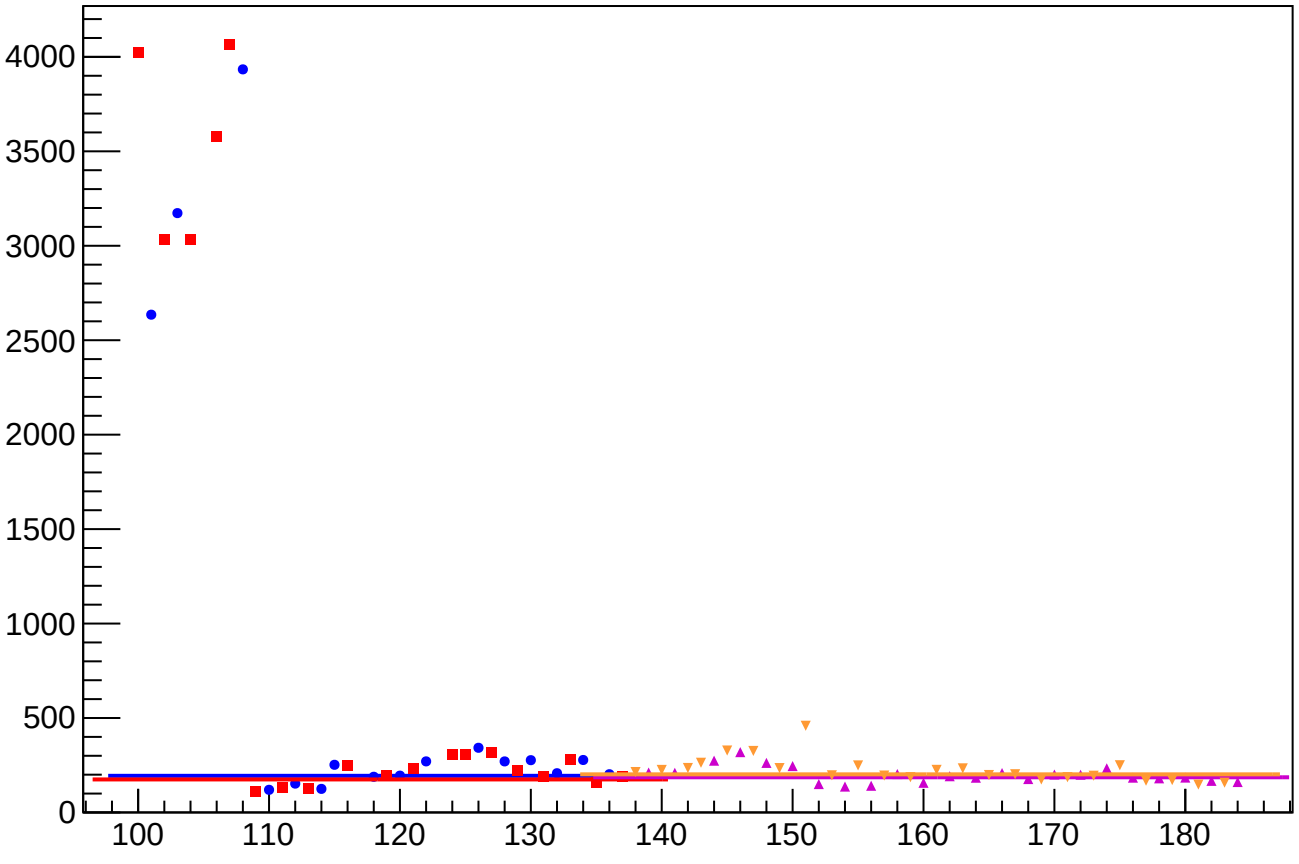
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 93.126+/-41.769 χ^2/NDF: 31.2/39

All: 9.746+/-28.611 χ^2/NDF: 67.9/81

- sign -63.963+/-39.272 χ^2/NDF: 29.1/41



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 201.750+/-0.034 χ^2/NDF:1838215.8/23

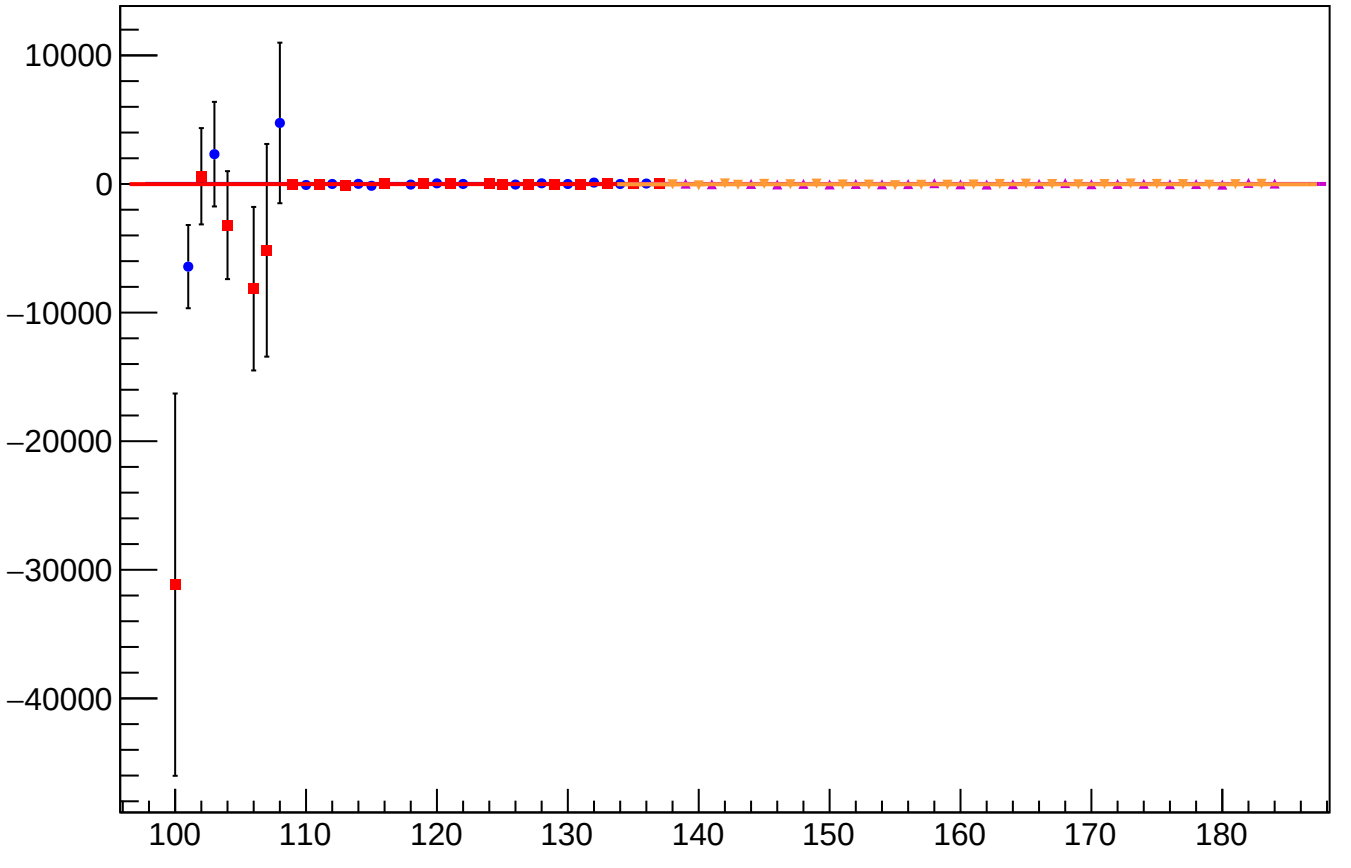
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 199.888+/-0.030 χ^2/NDF: 5635365.7/39

All: 191.110+/-0.020 χ^2/NDF: 11505797.8/81

- sign 183.351+/-0.028 χ^2/NDF: 5704034.4/41



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

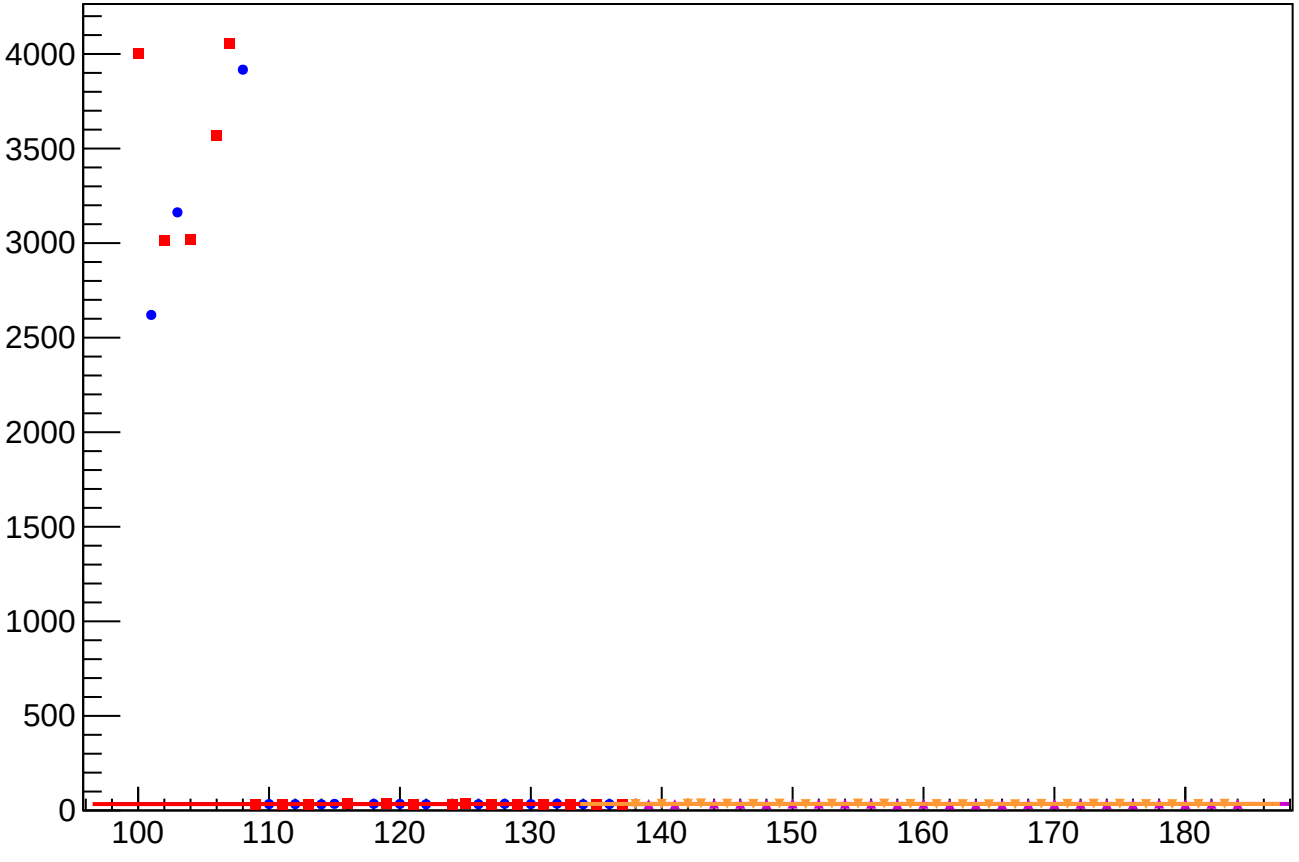
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -15.435+/-6.906 χ^2/NDF: 42.7/39

All: -7.547+/-4.934 χ^2/NDF: 88.5/81

- sign 0.678+/-7.052 χ^2/NDF: 43.1/41

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

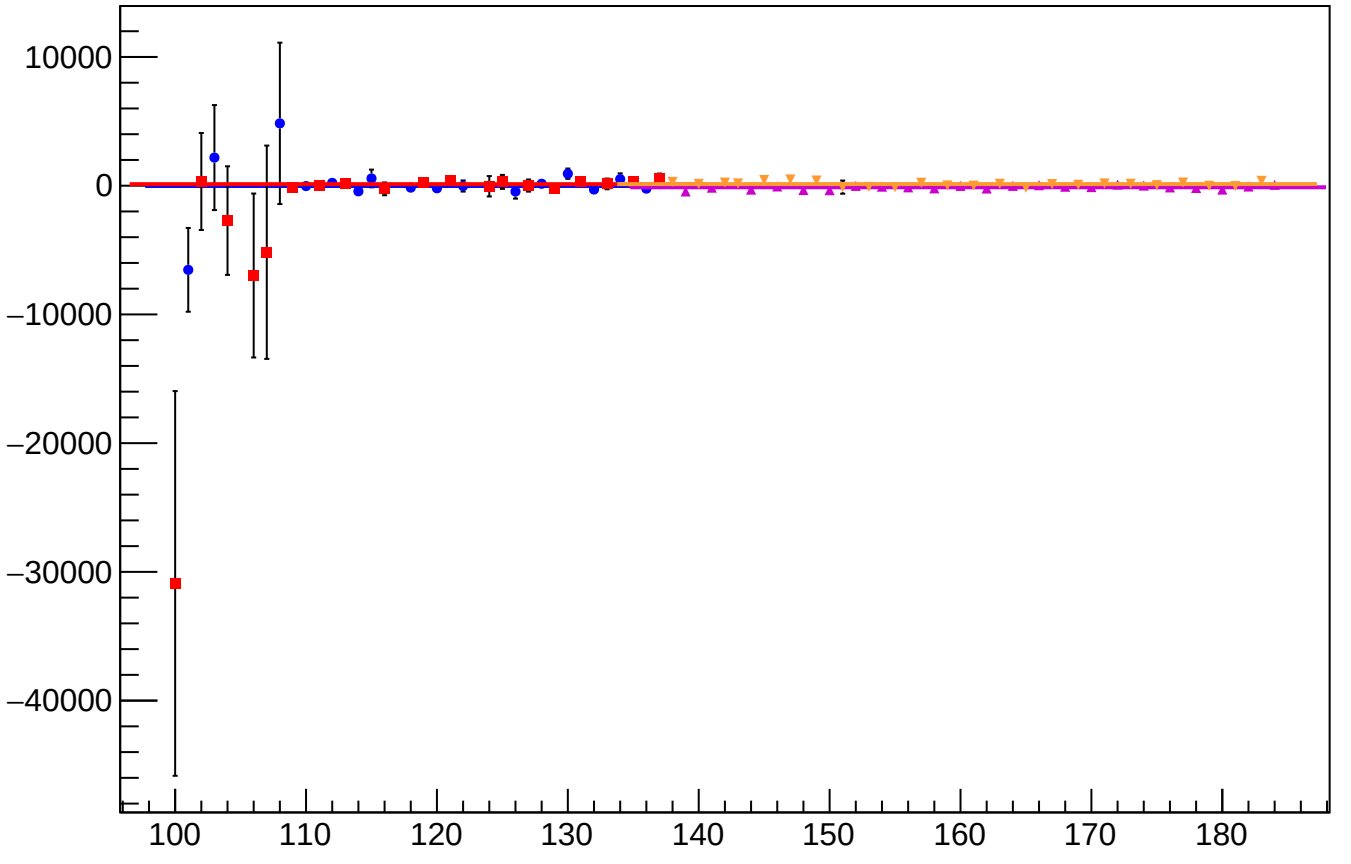
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.305+/-0.005 χ^2/NDF: 3290927.6/39

All: 34.330+/-0.003 χ^2/NDF: 6881707.8/81

- sign 34.355+/-0.005 χ^2/NDF: 3590730.2/41



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 125.516+/-47.799 χ^2/NDF:11.6/23

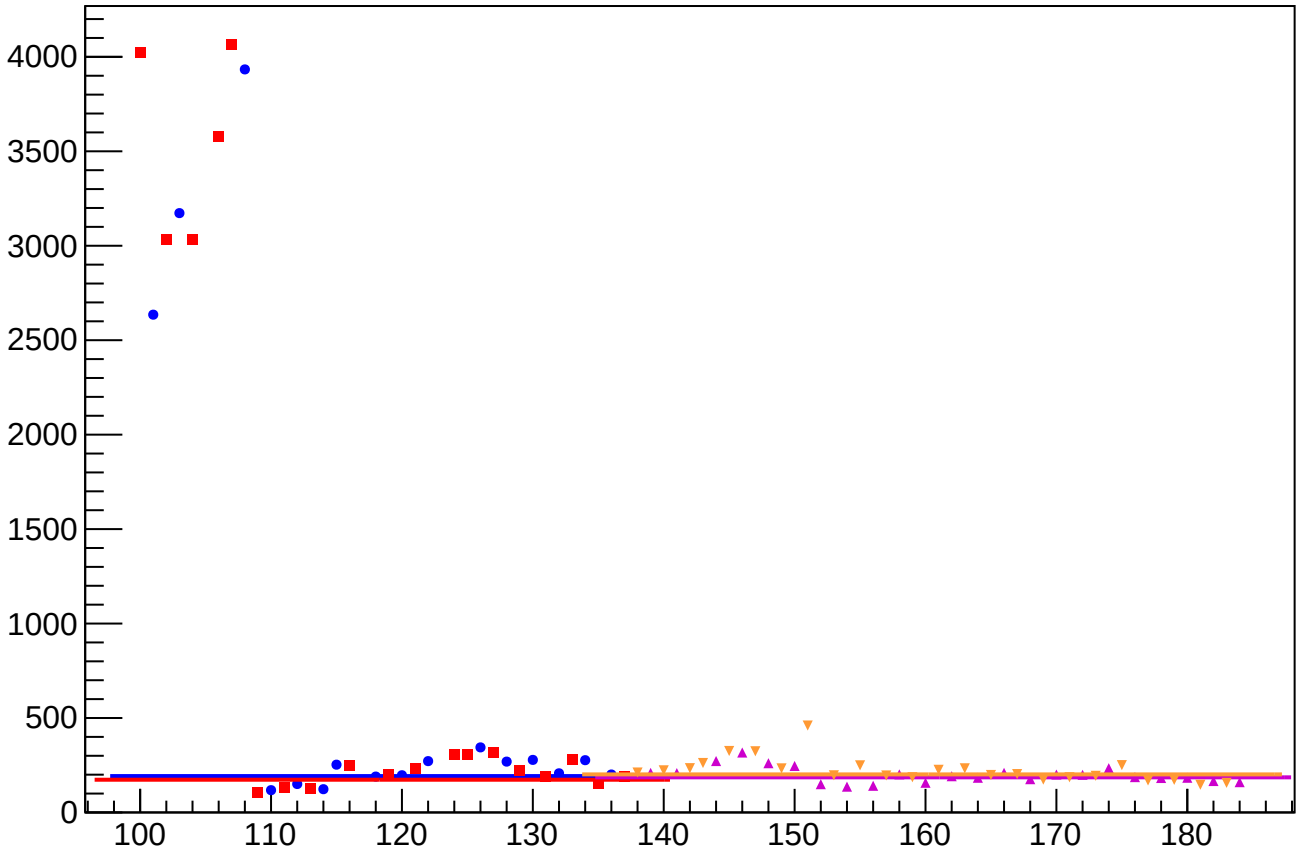
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 90.709+/-41.671 χ^2/NDF: 31.9/39

All: 9.453+/-28.538 χ^2/NDF: 67.6/81

- sign -62.322+/-39.164 χ^2/NDF: 28.5/41



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 201.455+/-0.034 χ^2/NDF:1833373.1/23

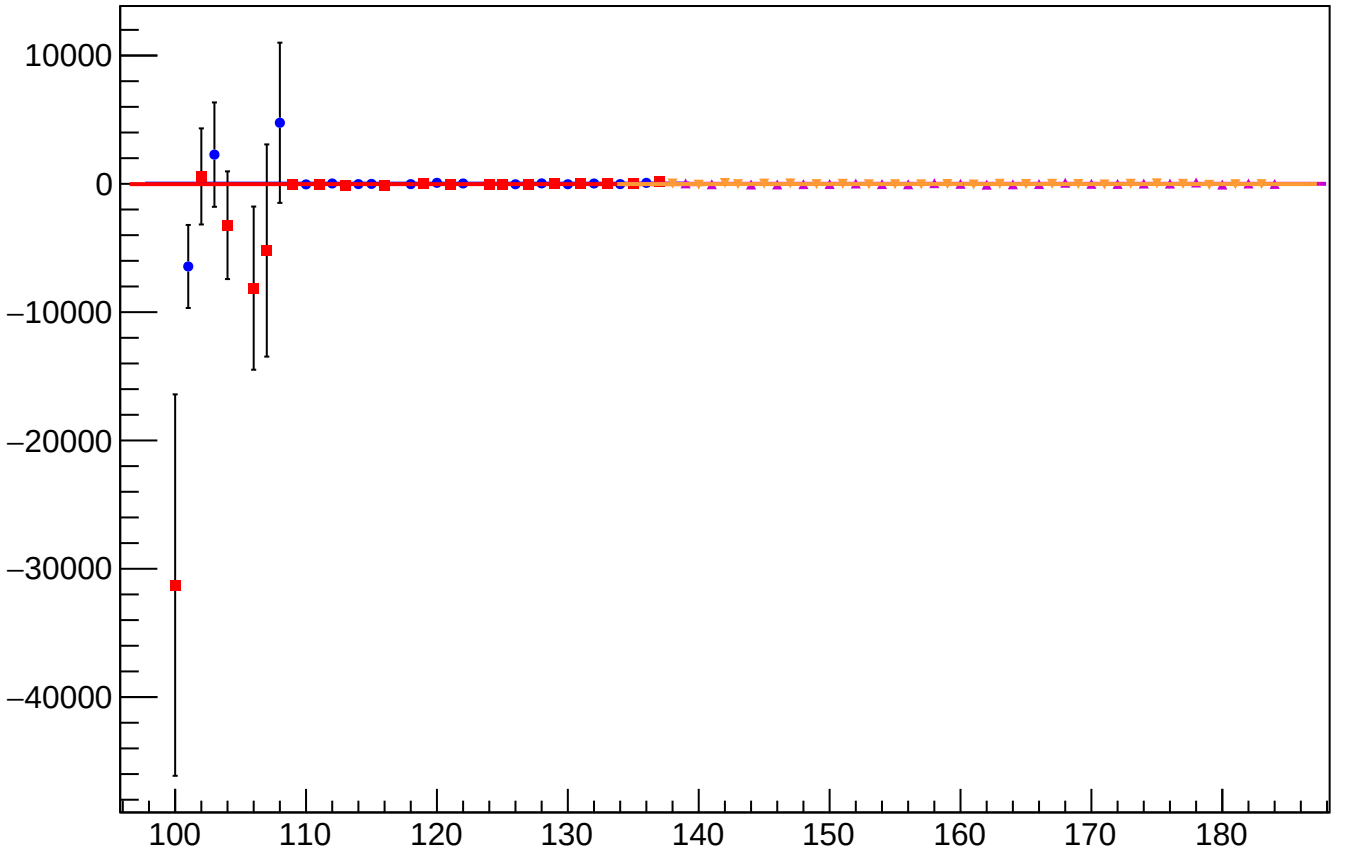
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 199.320+/-0.029 χ^2/NDF: 5672781.5/39

All: 190.509+/-0.020 χ^2/NDF: 11592998.1/81

- sign 182.726+/-0.028 χ^2/NDF: 5751814.8/41



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

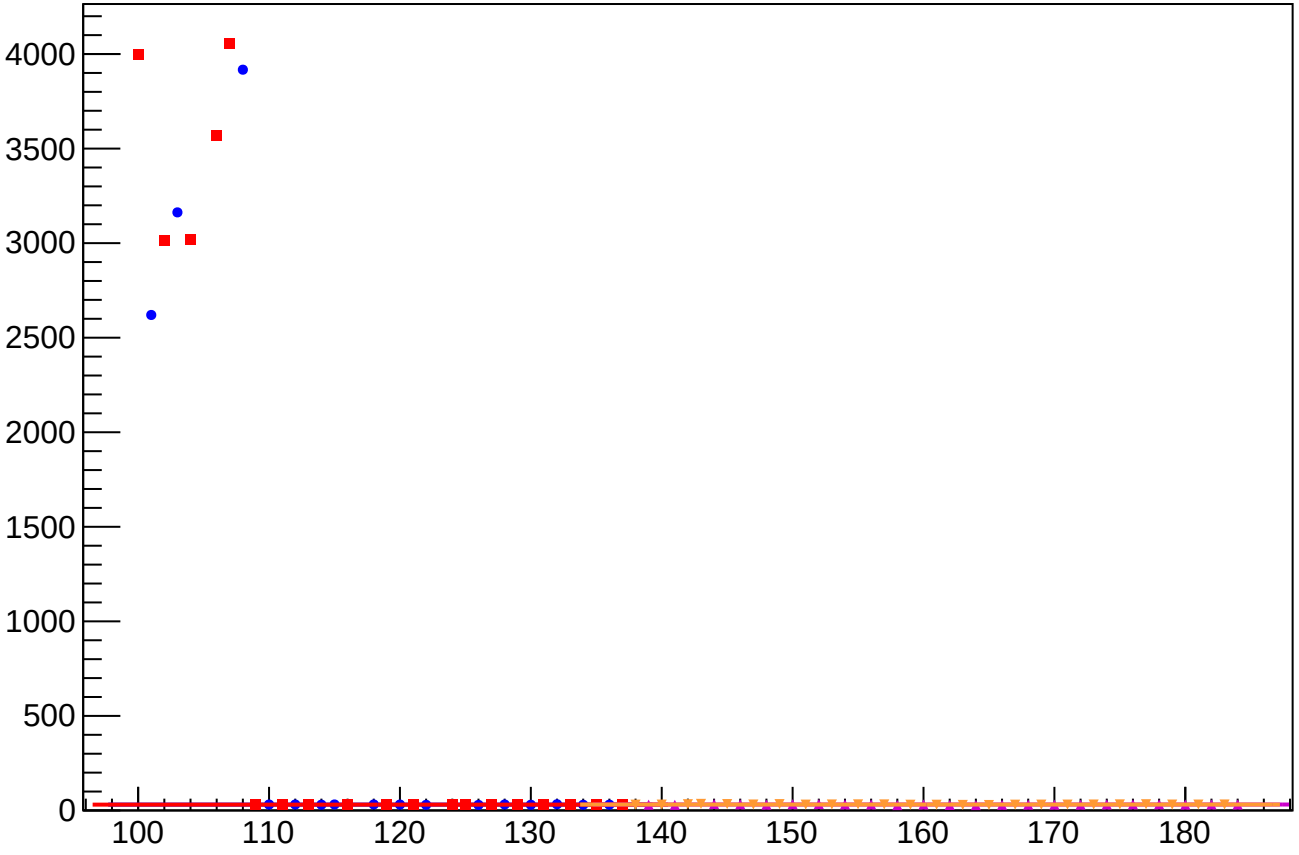
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -10.407+/-6.293 χ^2/NDF: 39.1/39

All: -6.993+/-4.493 χ^2/NDF: 106.9/81

\- sign -3.441+/-6.418 χ^2/NDF: 67.2/41

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

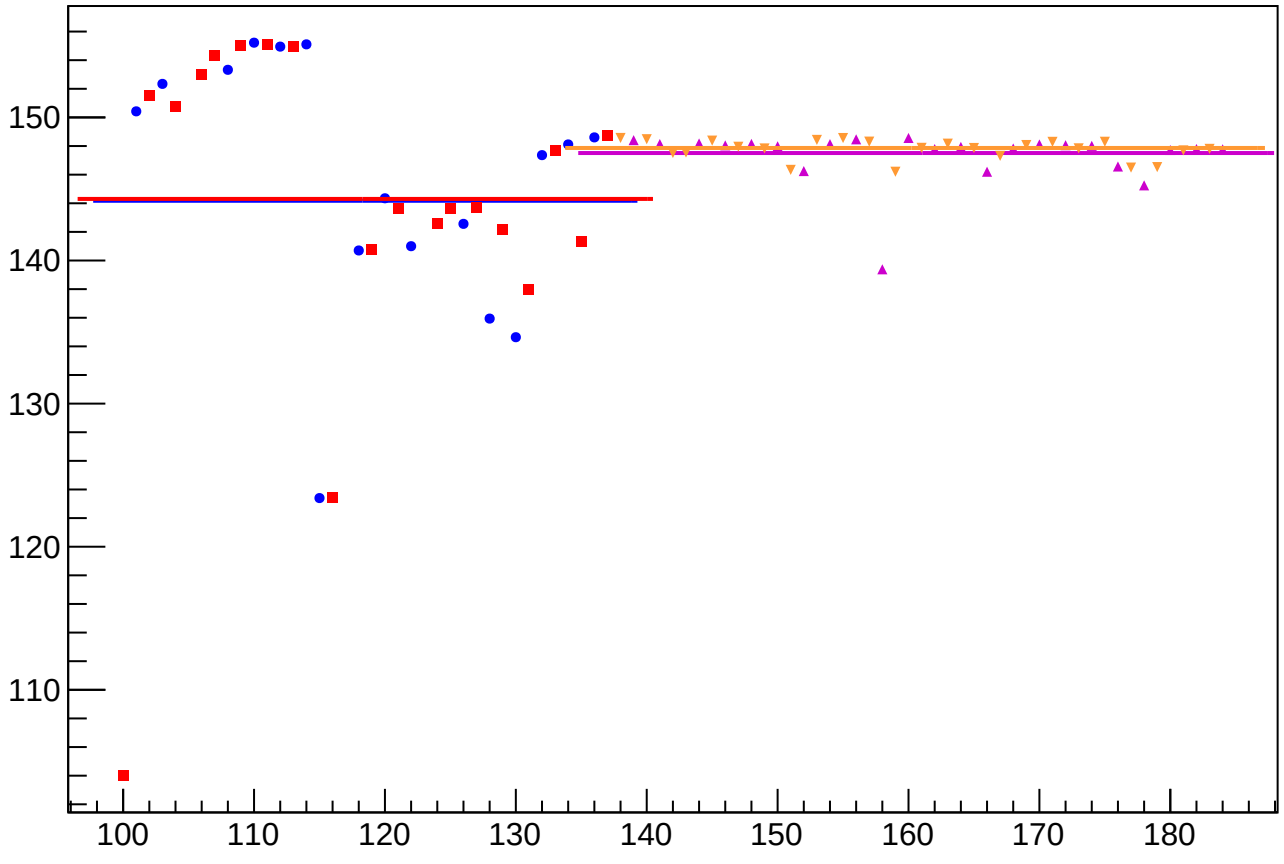
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.237+/-0.004 χ^2/NDF: 3316841.3/39

All: 31.237+/-0.003 χ^2/NDF: 6941493.3/81

\- sign 31.237+/-0.005 χ^2/NDF: 3624652.0/41



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.865+/-0.000 χ^2/NDF:44898278.6/23

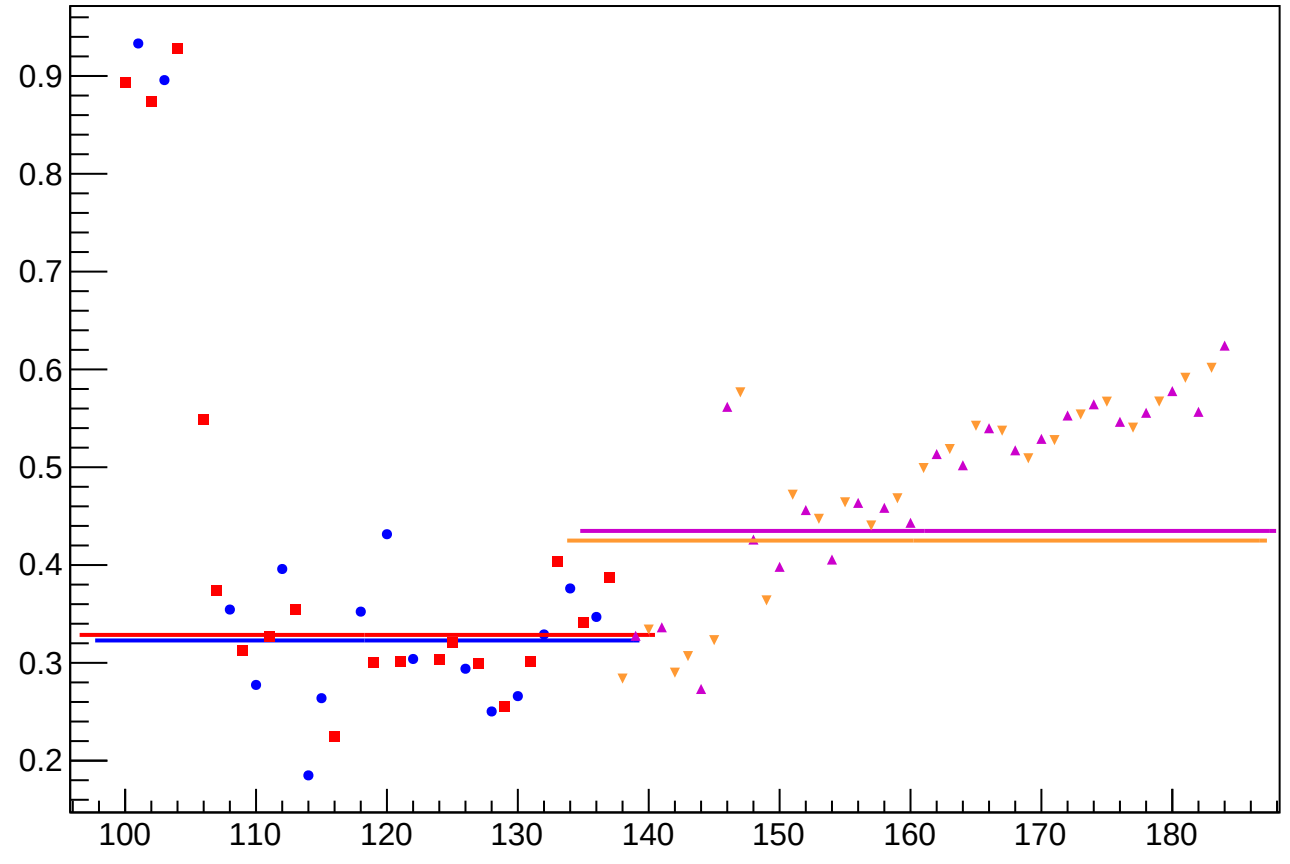
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.493+/-0.000 χ^2/NDF: 4257530039.6/39

All: 146.384+/-0.000 χ^2/NDF: 9187752480.7

- sign 146.268+/-0.000 χ^2/NDF: 4926422813.2/41



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.425+/-0.000 χ^2/NDF:2199377.3/23

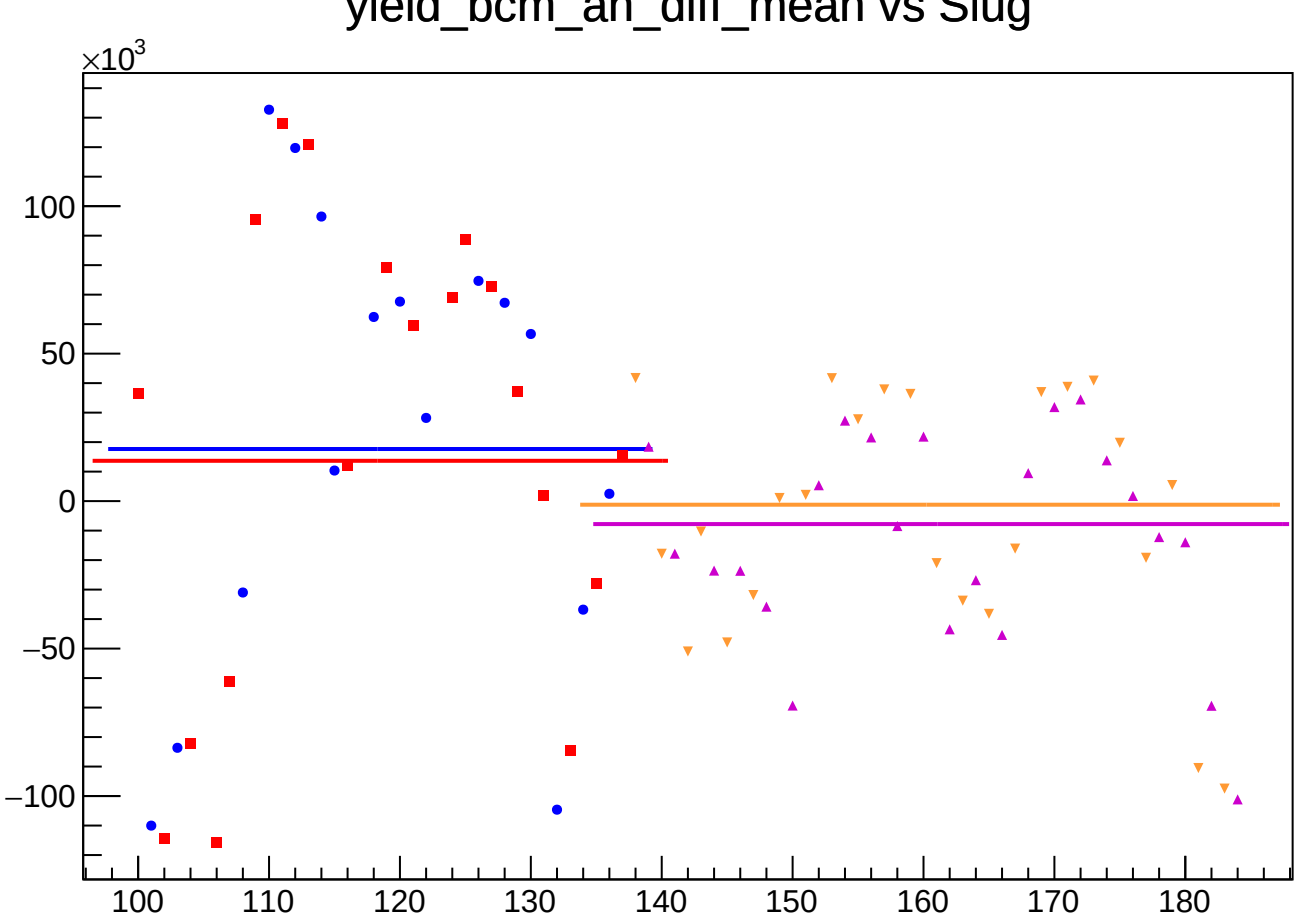
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.387+/-0.000 χ^2/NDF: 4343165.2/39

All: 0.390+/-0.000 χ^2/NDF: 8210324.1/81

- sign 0.394+/-0.000 χ^2/NDF: 3860592.9/41



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

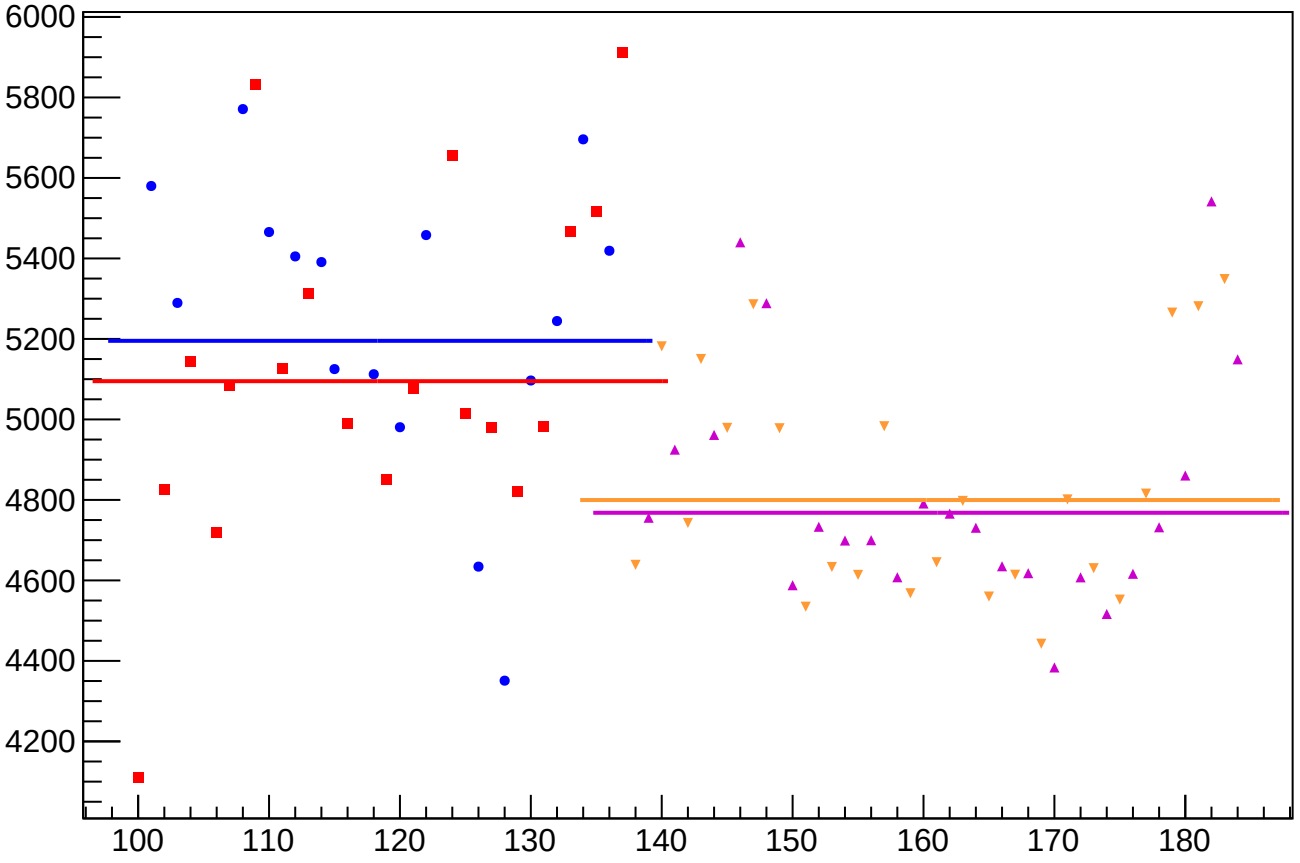
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 3329.643+/-0.984 χ^2/NDF: 2611503409.6/39

All: 571.010+/-0.696 χ^2/NDF: 5338433788.9

- sign -2184.040+/-0.984 χ^2/NDF: 2711234780.5/41

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

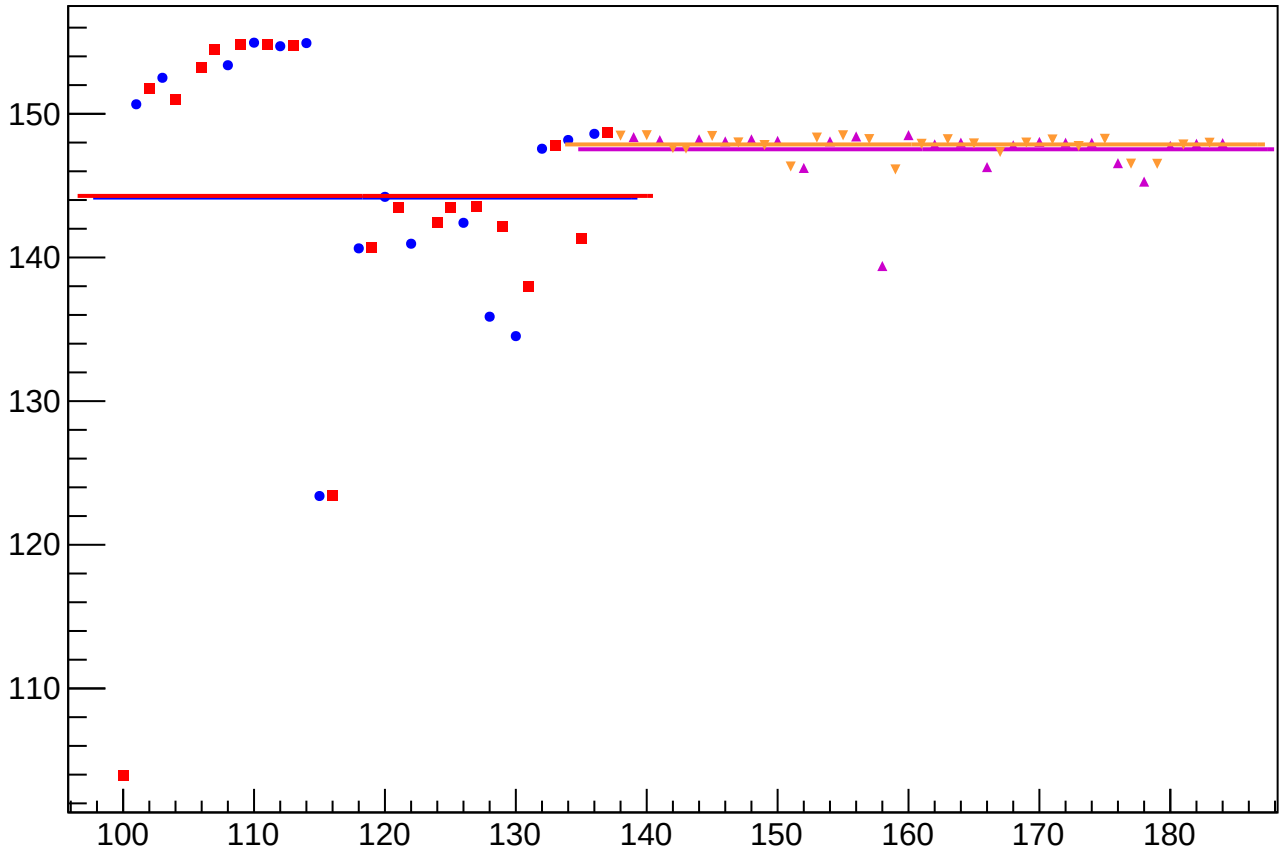
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

\+ sign 4894.999+/-0.696 χ^2/NDF: 249325.5/39

All: 4874.218+/-0.492 χ^2/NDF: 455213.5/81

\- sign 4853.465+/-0.696 χ^2/NDF: 204106.7/41



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

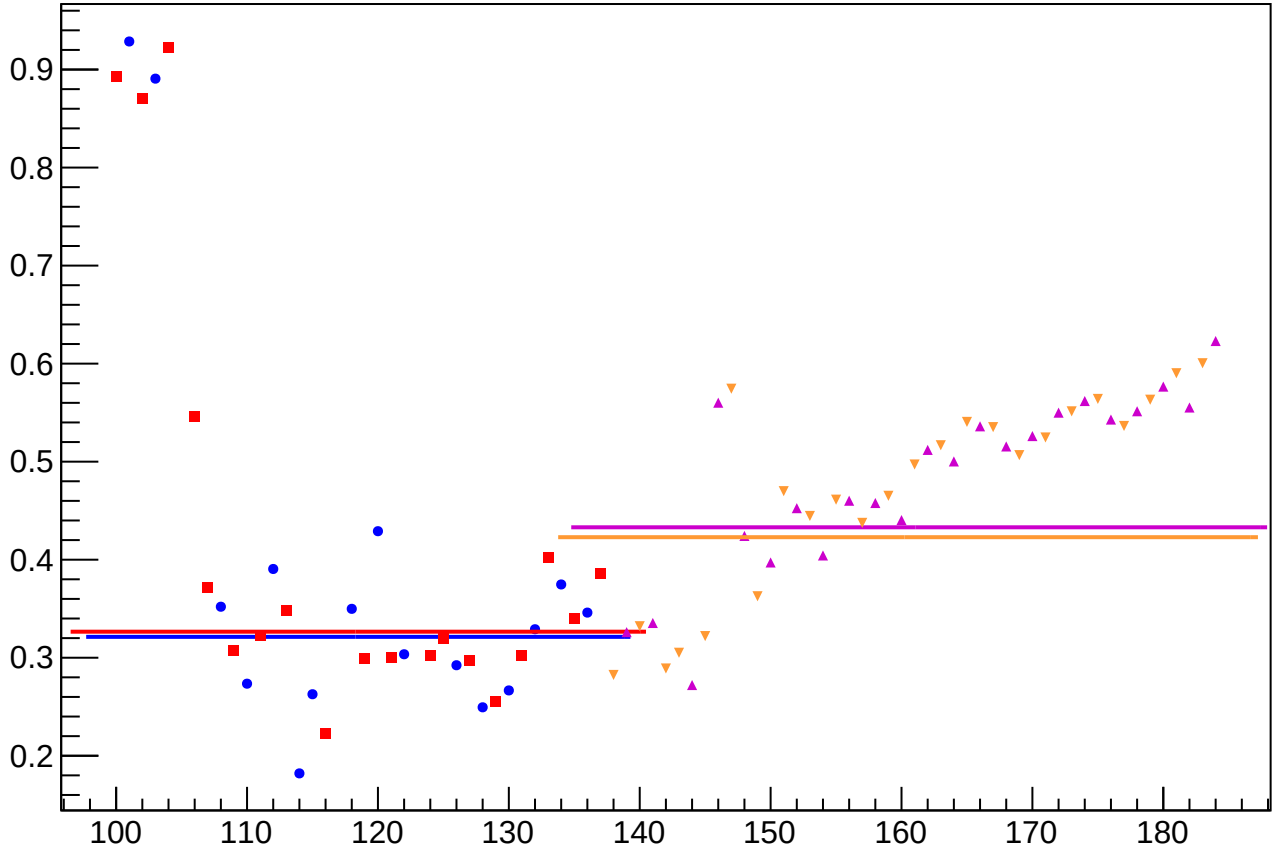
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.494+/-0.000 χ^2/NDF: 4304445818.3/39

All: 146.386+/-0.000 χ^2/NDF: 9273589447.7

- sign 146.271+/-0.000 χ^2/NDF: 4965376917.1/41

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

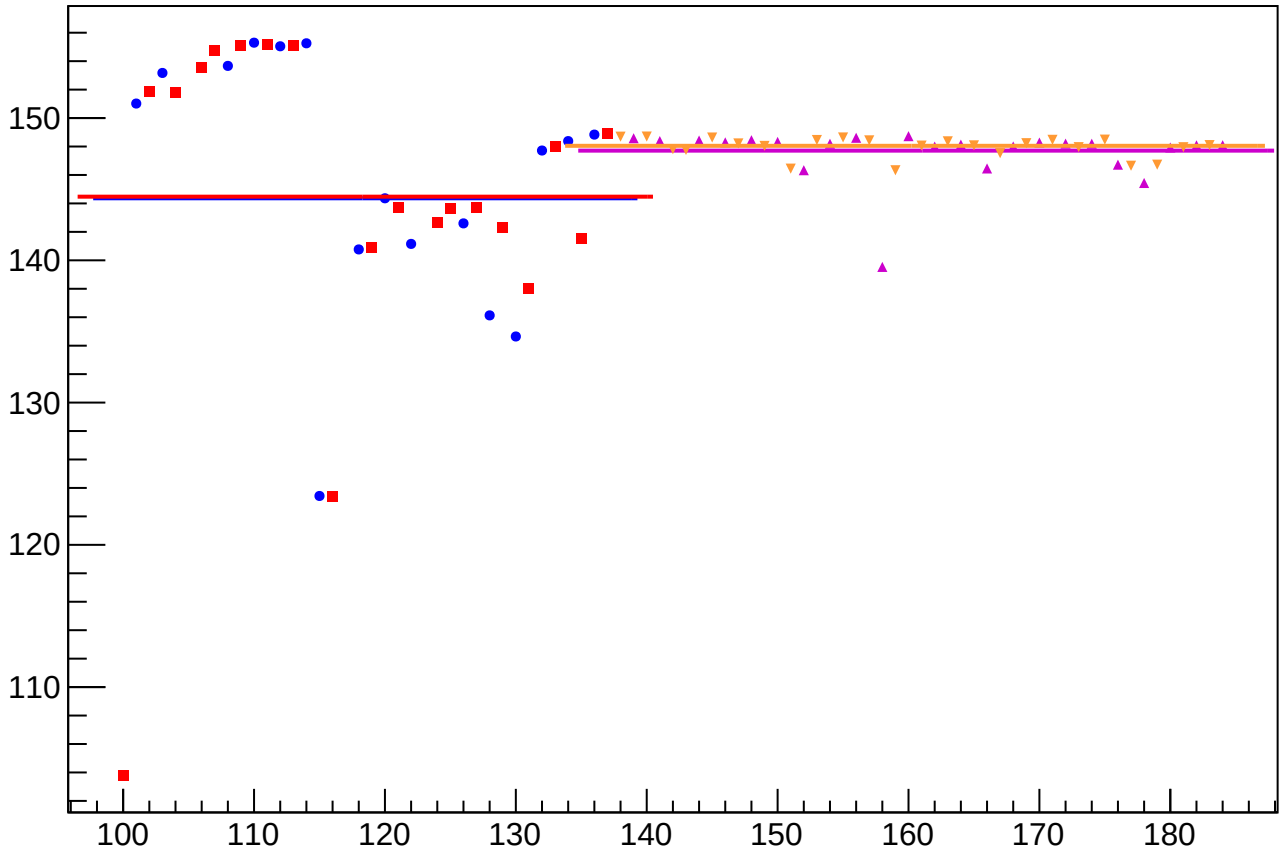
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.385+/-0.000 χ^2/NDF: 4344838.5/39

All: 0.388+/-0.000 χ^2/NDF: 8217632.3/81

- sign 0.392+/-0.000 χ^2/NDF: 3866341.1/41



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

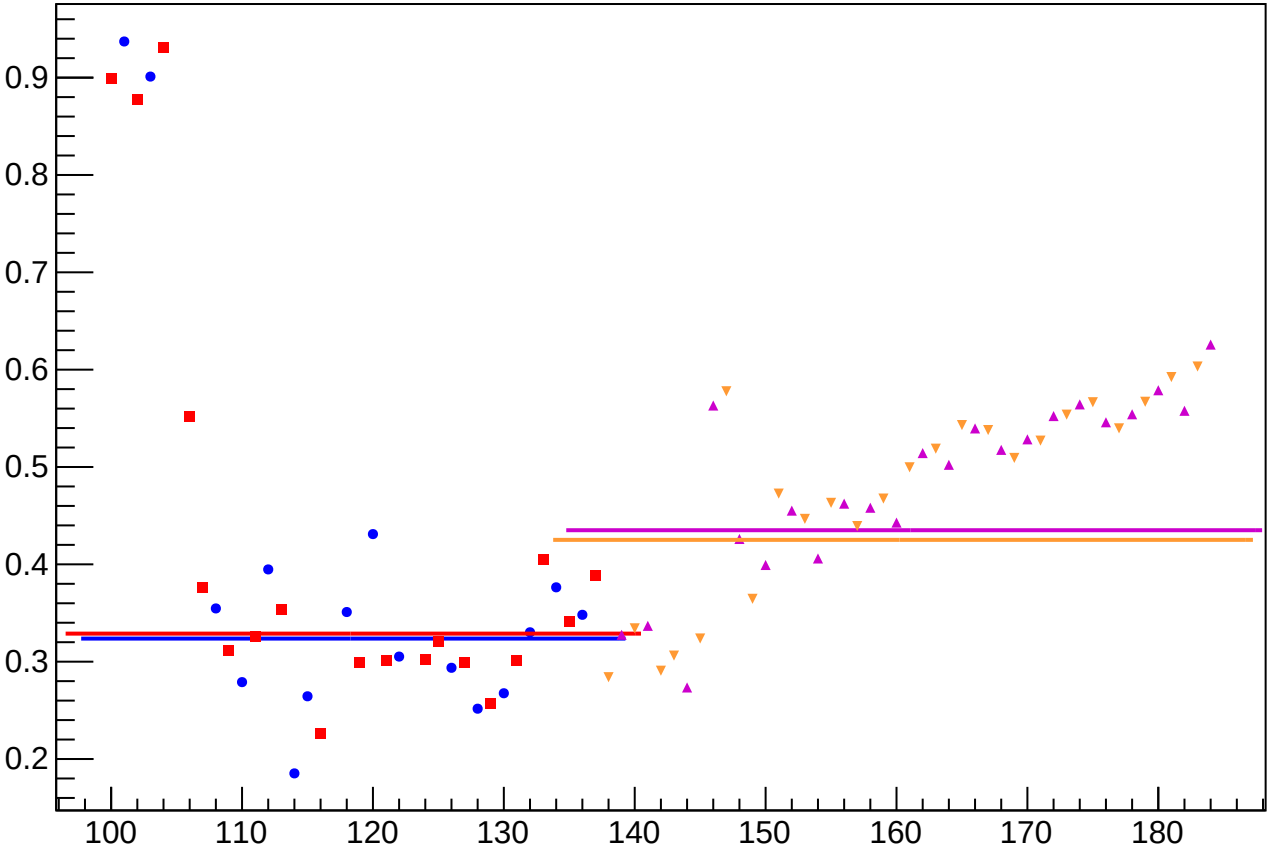
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.681+/-0.000 χ^2/NDF: 4289850327.5/39

All: 146.572+/-0.000 χ^2/NDF: 9248965144.1

- sign 146.457+/-0.000 χ^2/NDF: 4955352115.1/41

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

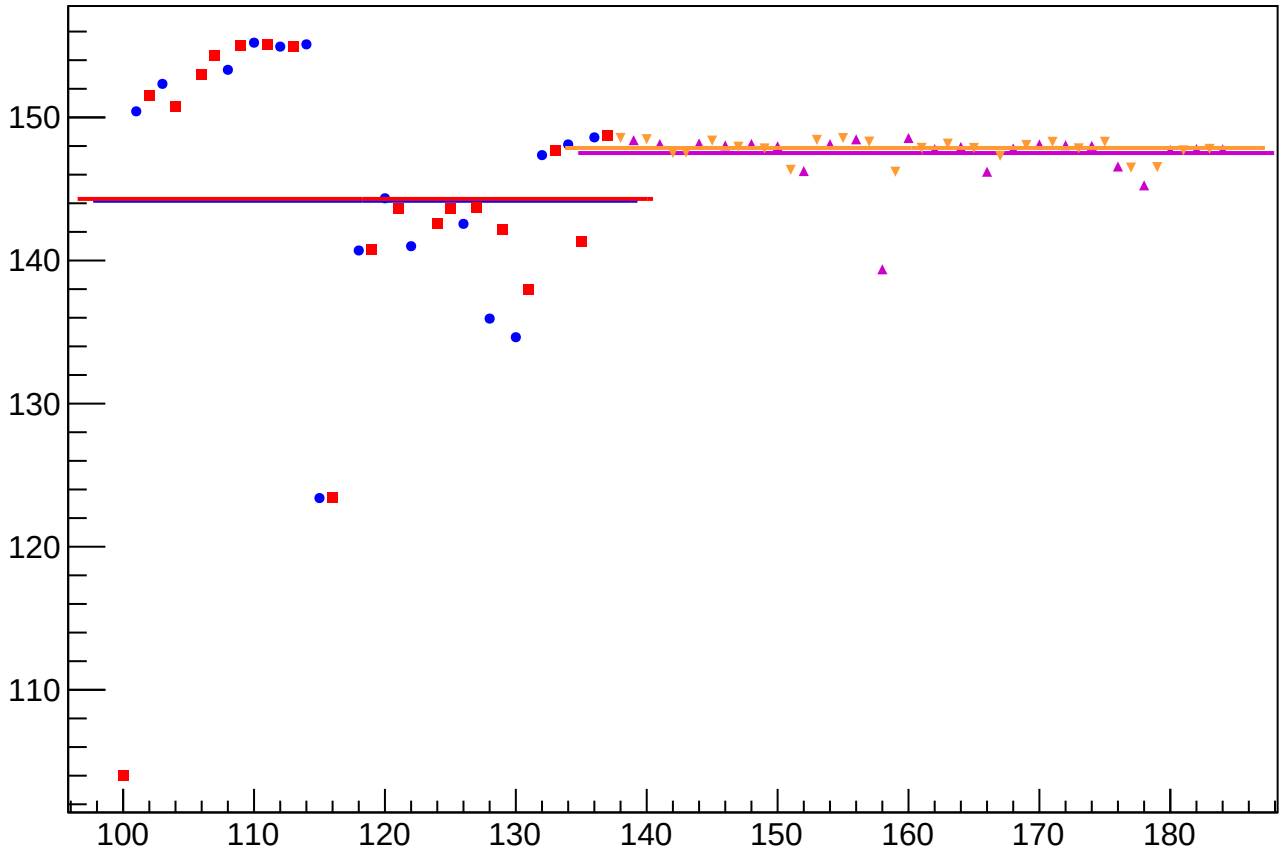
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.388+/-0.000 χ^2/NDF: 4324668.6/39

All: 0.391+/-0.000 χ^2/NDF: 8182972.7/81

- sign 0.394+/-0.000 χ^2/NDF: 3852234.1/41



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.865+/-0.000 χ^2/NDF:44898278.6/23

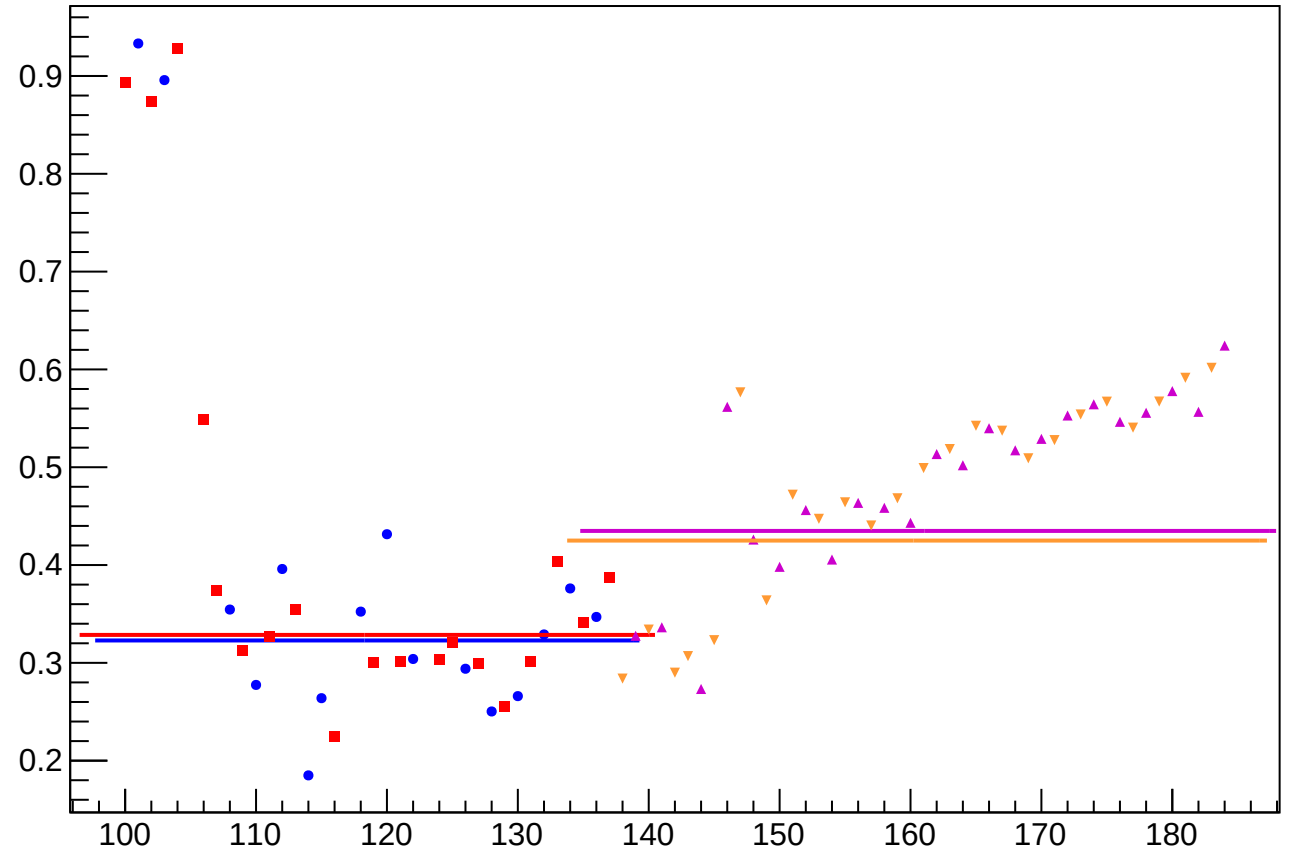
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.493+/-0.000 χ^2/NDF: 4257530039.6/39

All: 146.384+/-0.000 χ^2/NDF: 9187752480.7

- sign 146.268+/-0.000 χ^2/NDF: 4926422813.2/41



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.425+/-0.000 χ^2/NDF:2199377.3/23

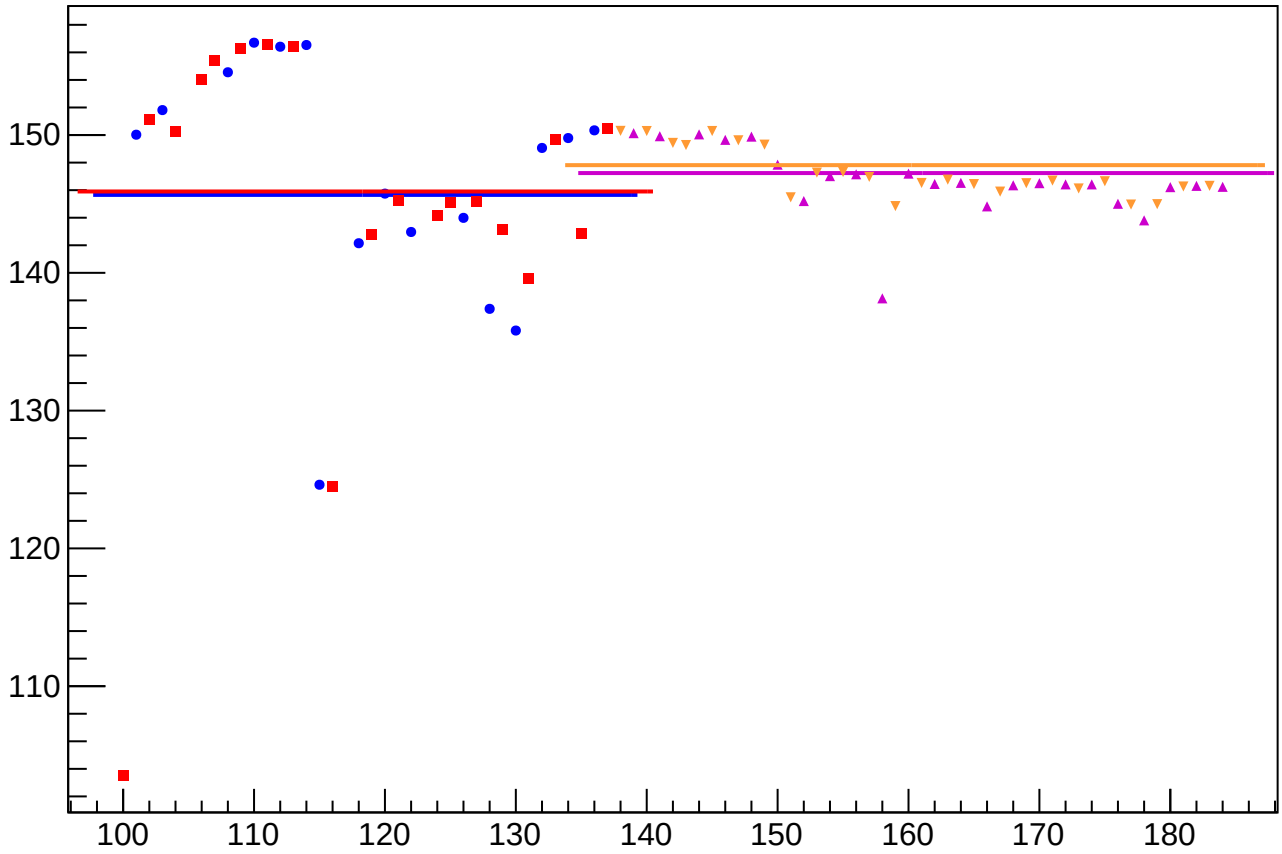
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.387+/-0.000 χ^2/NDF: 4343165.2/39

All: 0.390+/-0.000 χ^2/NDF: 8210324.1/81

- sign 0.394+/-0.000 χ^2/NDF: 3860592.9/41



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

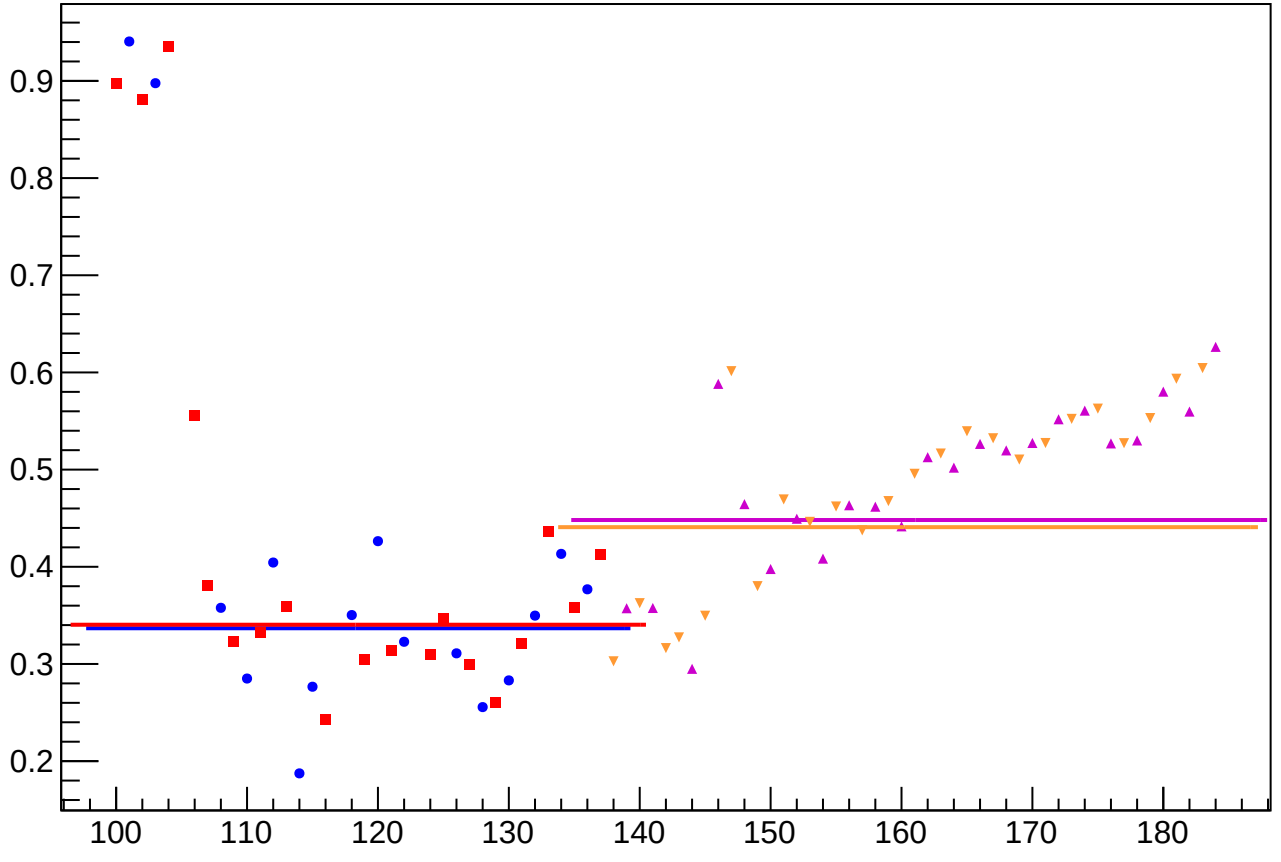
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 147.025+/-0.000 χ^2/NDF: 3961800034.6/39

All: 146.881+/-0.000 χ^2/NDF: 8507622105.2

- sign 146.730+/-0.000 χ^2/NDF: 4539708812.4/41

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

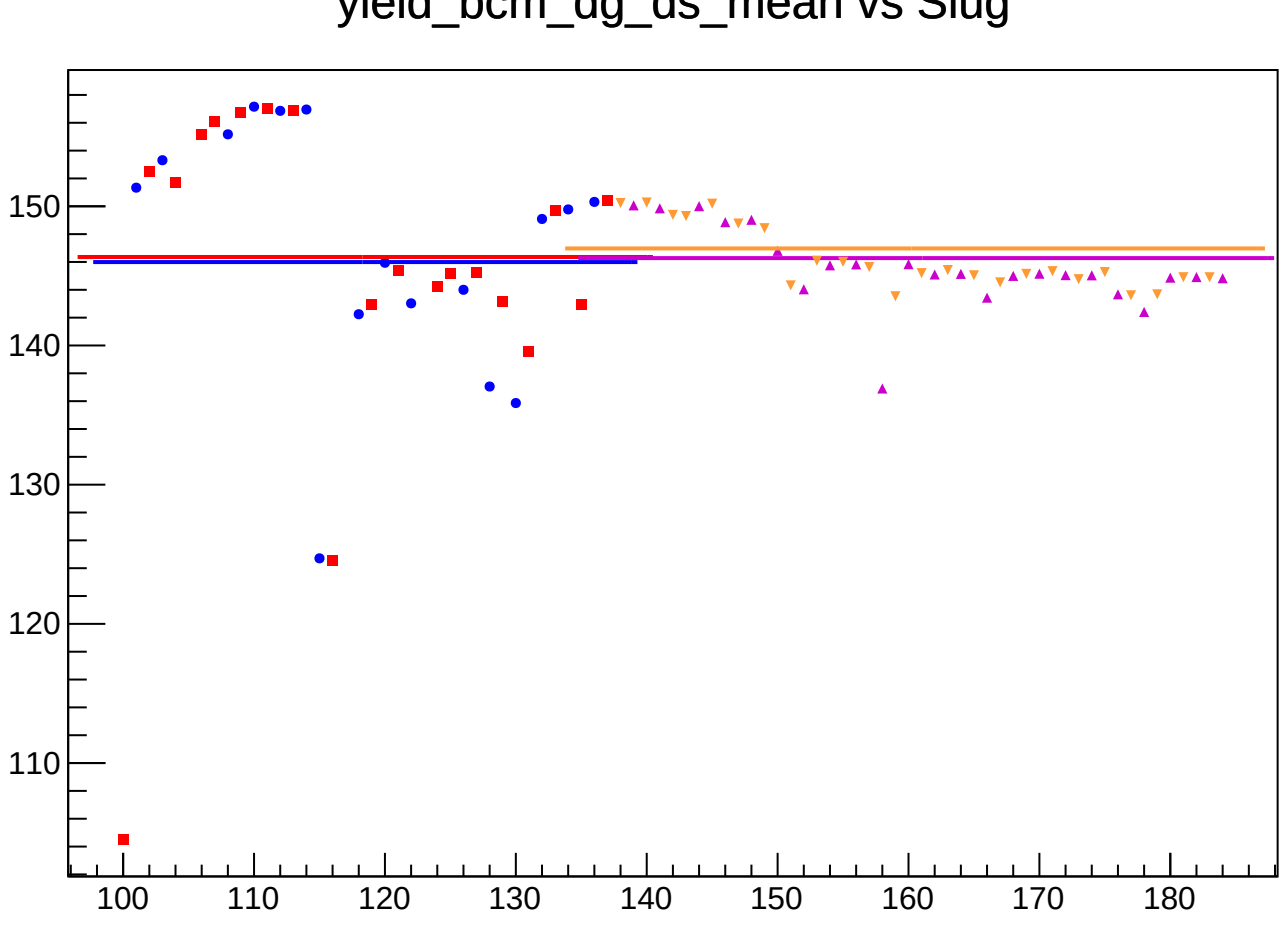
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.403+/-0.000 χ^2/NDF: 3742508.9/39

All: 0.405+/-0.000 χ^2/NDF: 7122075.3/81

- sign 0.407+/-0.000 χ^2/NDF: 3377006.7/41



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 146.971+/-0.000 χ^2/NDF:539693475.1/23

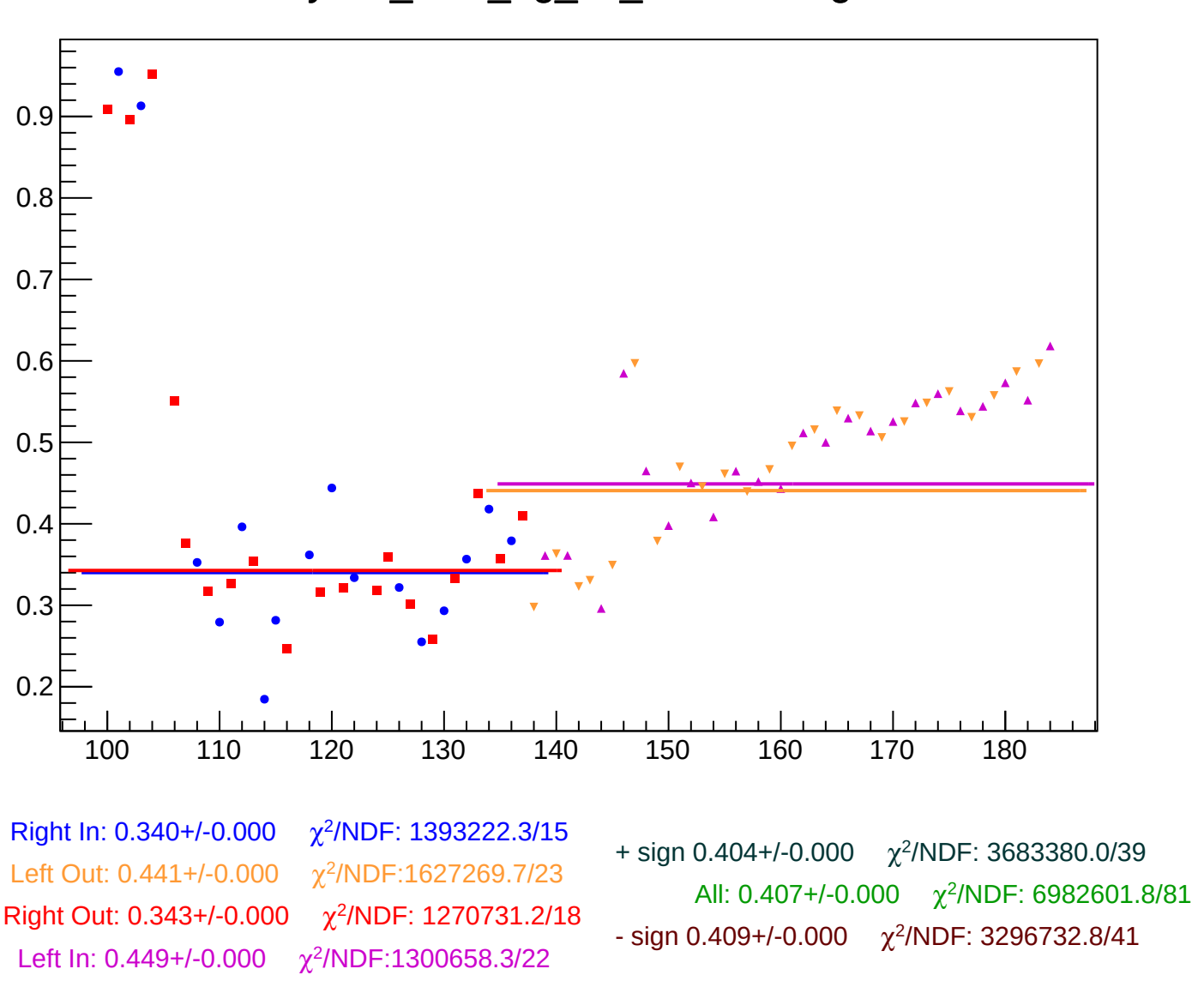
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

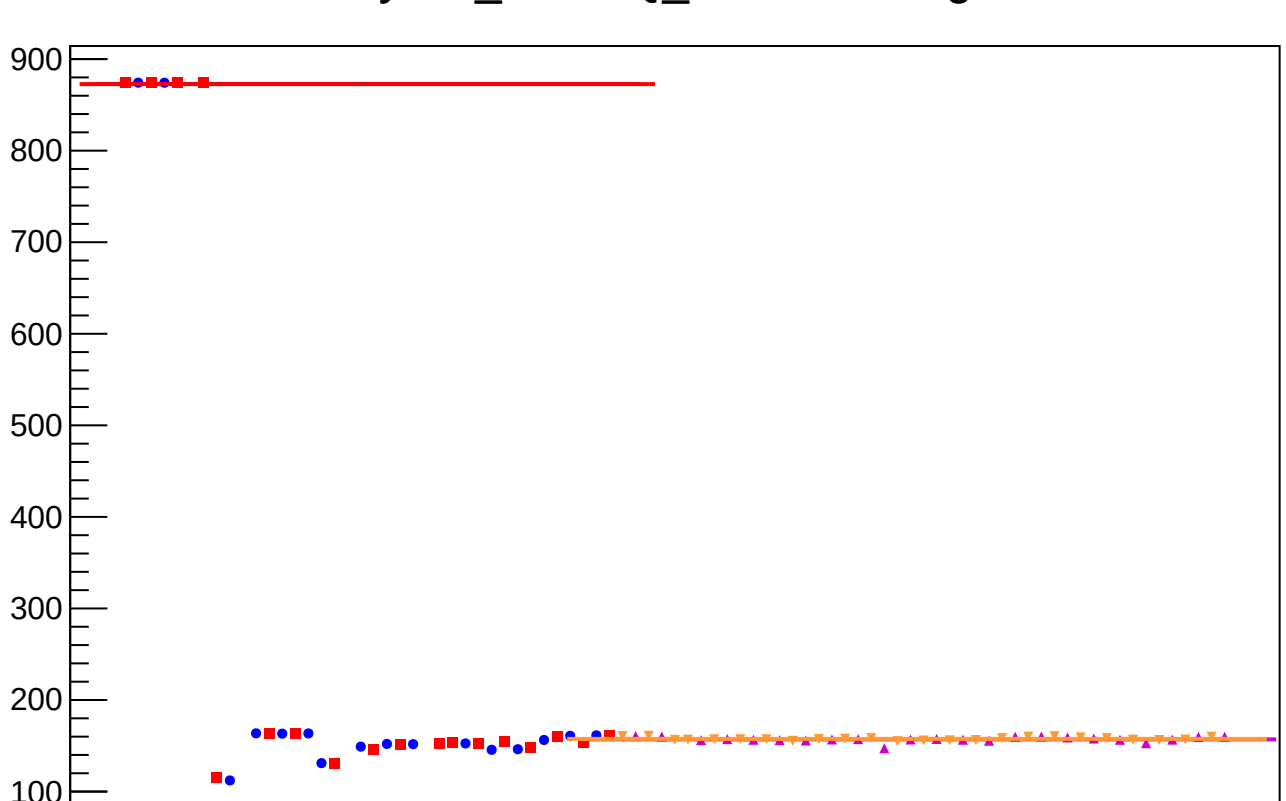
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.618+/-0.000 χ^2/NDF: 4192693545.0/39

All: 146.466+/-0.000 χ^2/NDF: 8987873943.5

- sign 146.308+/-0.000 χ^2/NDF: 4788492384.6/41


yield_bcm_dg_ds_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: 0.340+/-0.000 χ²/NDF: 1393222.3/15
Left Out: 0.441+/-0.000 χ²/NDF:1627269.7/23
Right Out: 0.343+/-0.000 χ²/NDF: 1270731.2/18
Left In: 0.449+/-0.000 χ²/NDF:1300658.3/22
+ sign 0.404+/-0.000 χ²/NDF: 3683380.0/39
All: 0.407+/-0.000 χ²/NDF: 6982601.8/81
- sign 0.409+/-0.000 χ²/NDF: 3296732.8/41



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

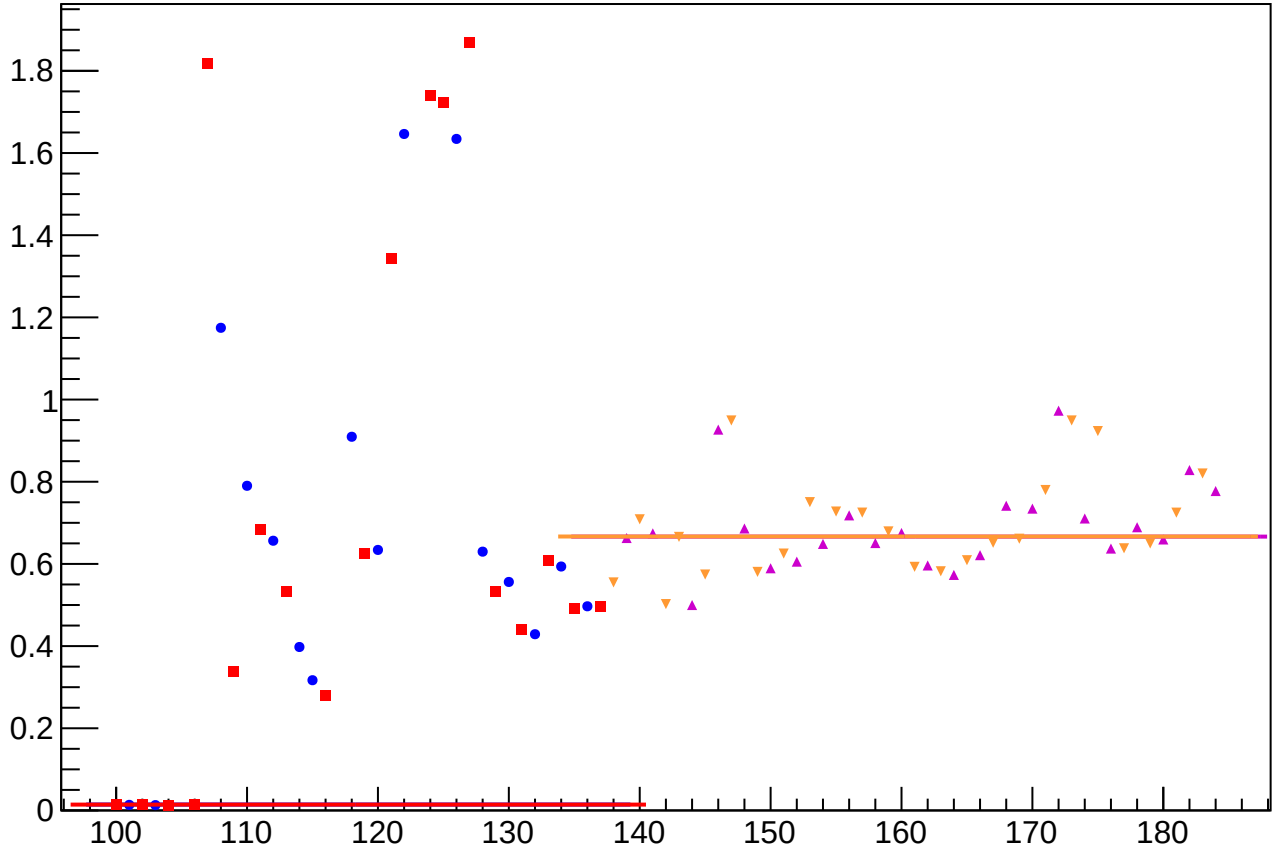
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.480+/-0.000 χ^2/NDF: 24223853399967.

All: 869.684+/-0.000 χ^2/NDF: 49925568249

- sign 869.861+/-0.000 χ^2/NDF: 25701156631049.

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

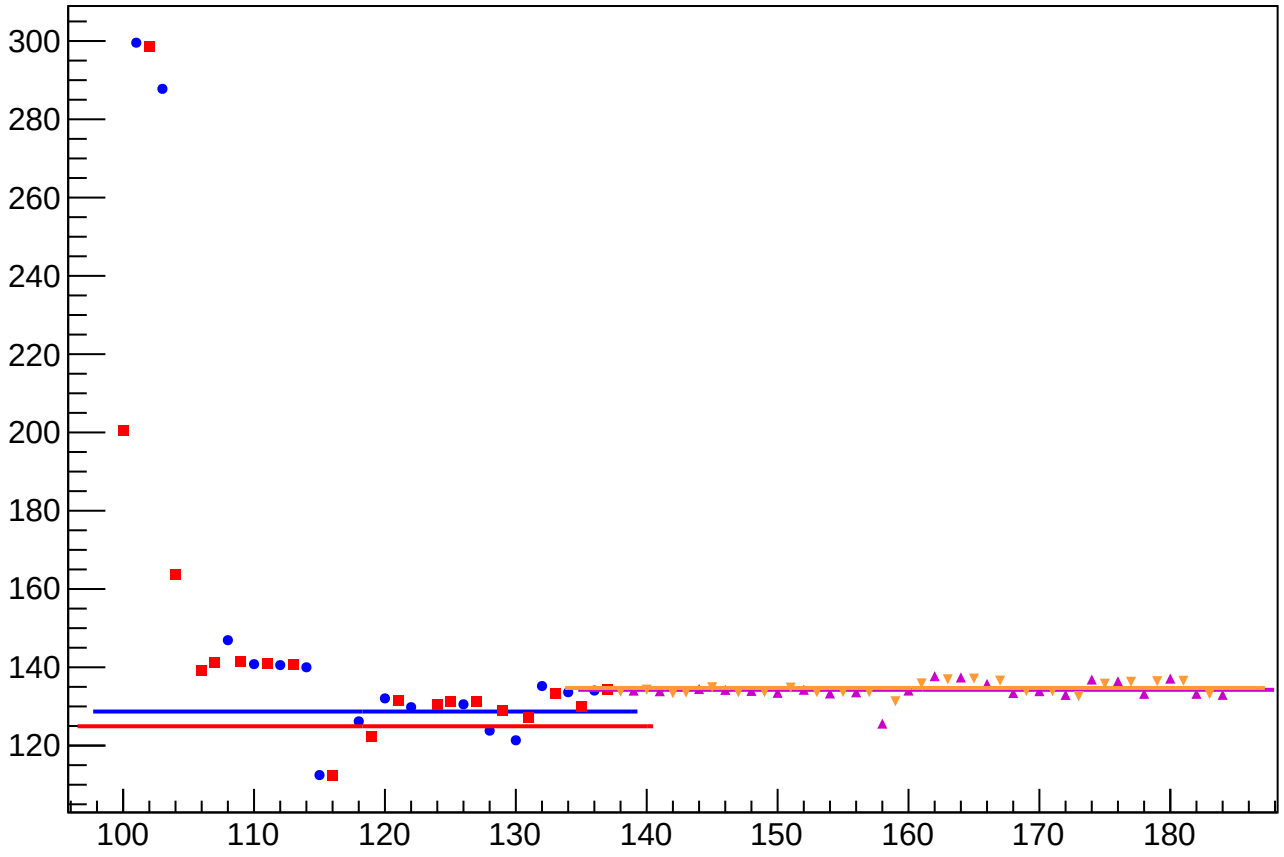
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.017+/-0.000 χ^2/NDF: 38628322.0/39

All: 0.017+/-0.000 χ^2/NDF: 76041985.5/81

- sign 0.017+/-0.000 χ^2/NDF: 37410678.4/41

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

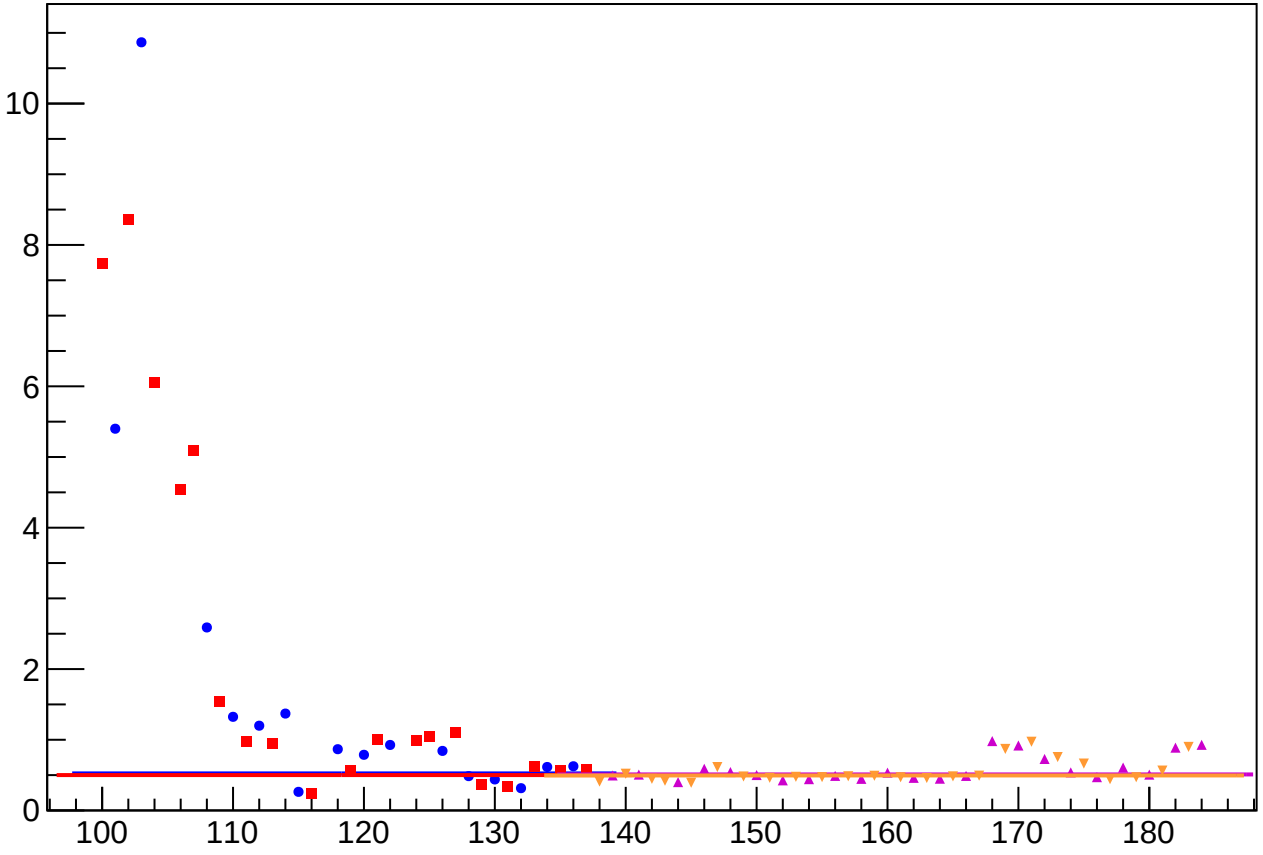
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 133.715+/-0.000 χ^2/NDF: 2218740012.7/39

All: 133.127+/-0.000 χ^2/NDF: 5103524544.9

- sign 132.495+/-0.000 χ^2/NDF: 2827386911.3/41

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

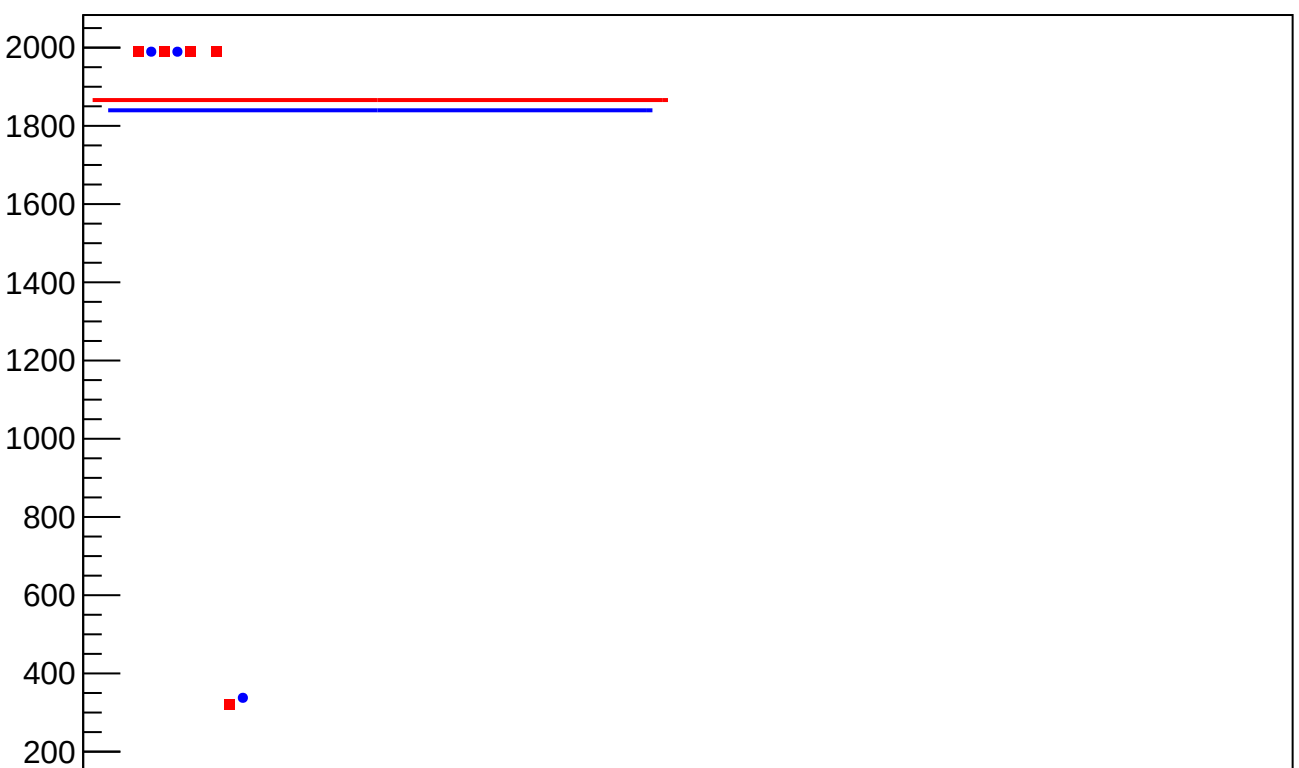
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.500+/-0.000 χ^2/NDF: 5619293.0/39

All: 0.504+/-0.000 χ^2/NDF: 11995522.9/81

- sign 0.508+/-0.000 χ^2/NDF: 6371495.0/41

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

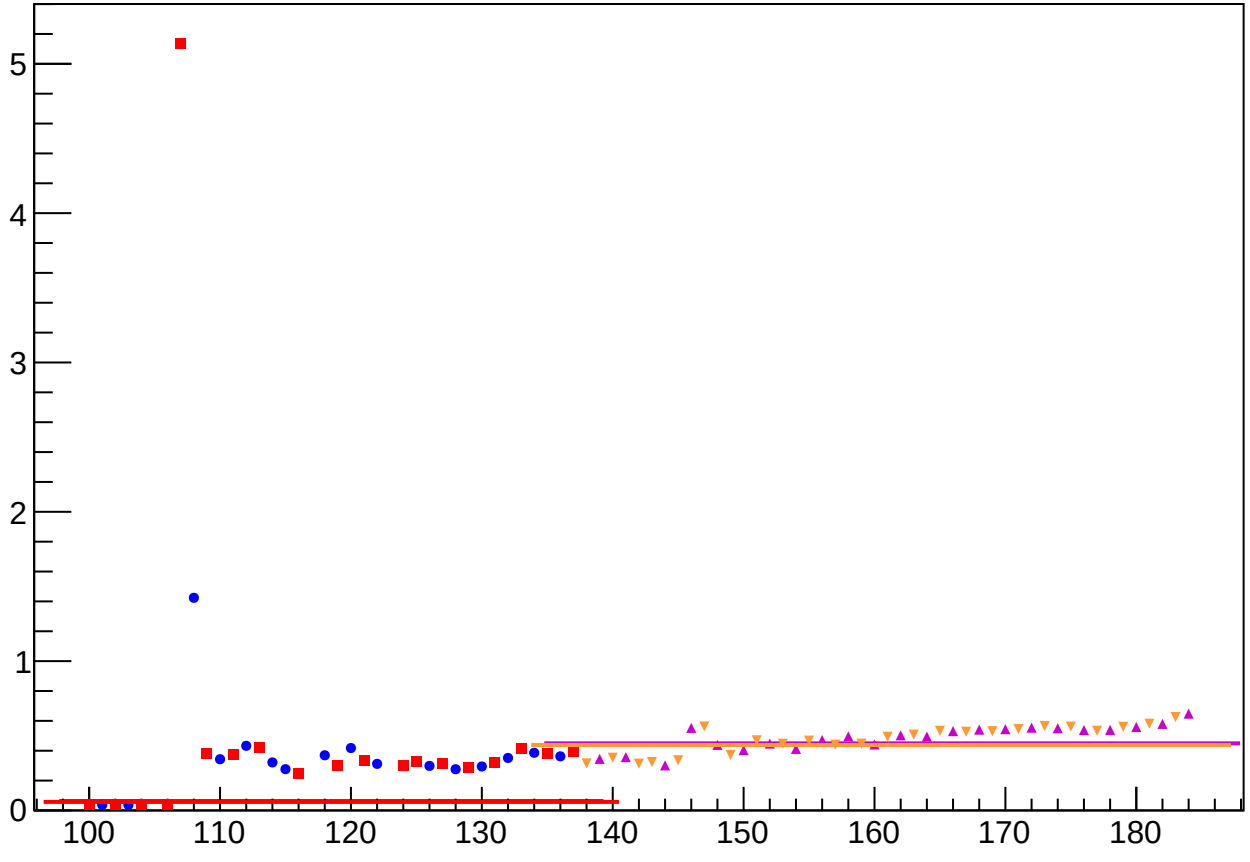
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1602.752+/-0.000 χ^2/NDF: 3760276929758 7

All: 1638.763+/-0.000 χ^2/NDF: 7453765374 5

- sign 1670.542+/-0.000 χ^2/NDF: 36773133418106

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

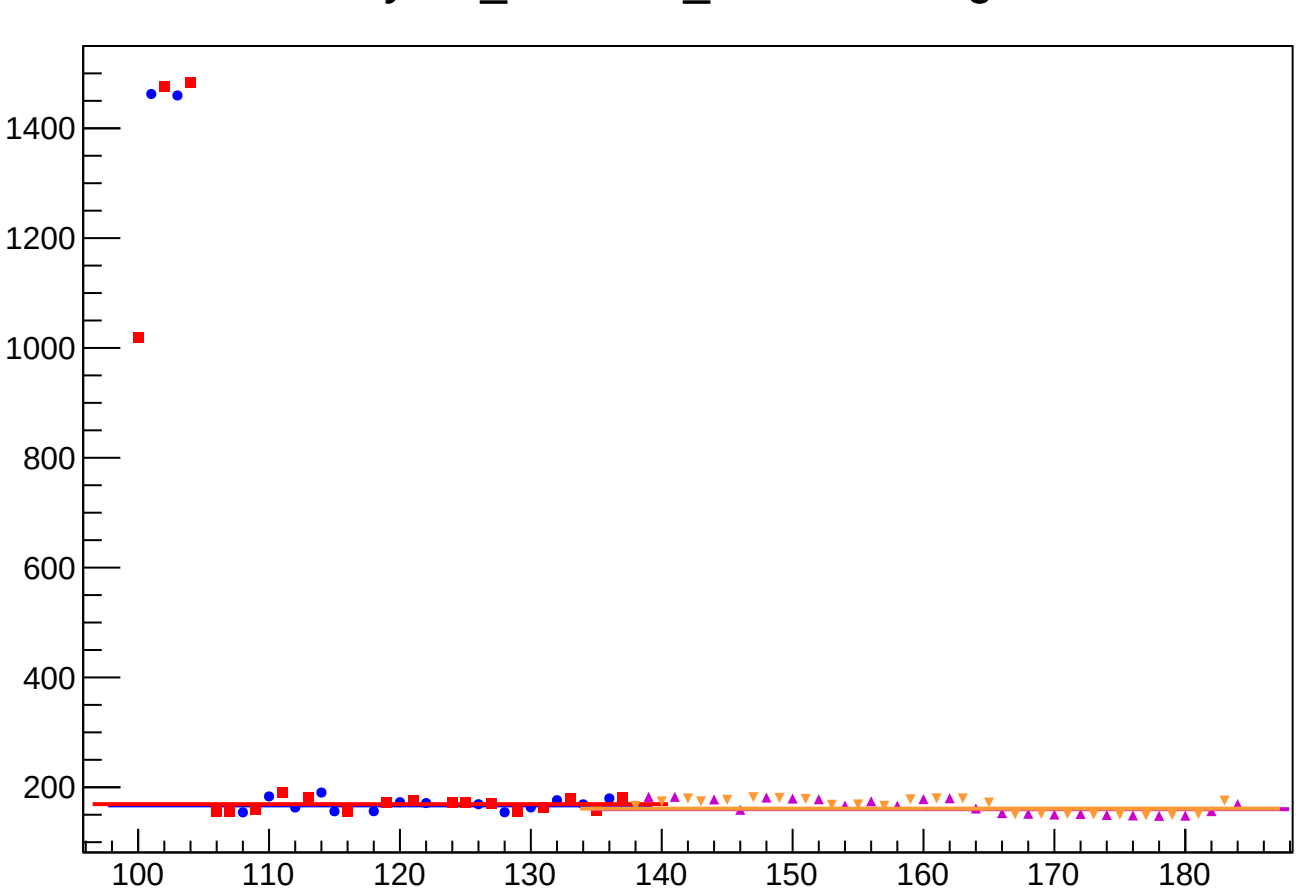
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.114+/-0.000 χ^2/NDF: 32377496.1/39

All: 0.107+/-0.000 χ^2/NDF: 64706286.7/81

- sign 0.102+/-0.000 χ^2/NDF: 32217414.0/41



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

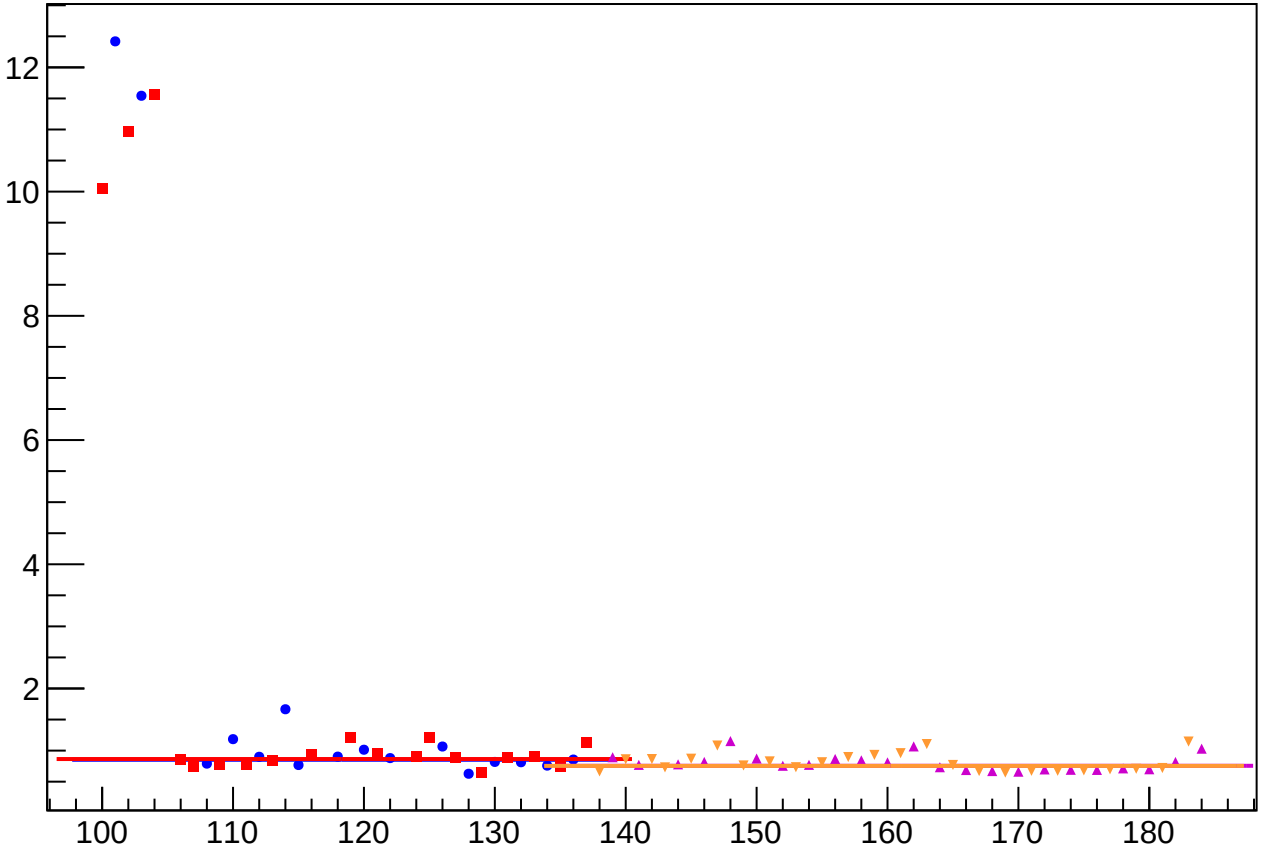
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.142+/-0.000 χ^2/NDF: 18476556974.4/39

All: 161.998+/-0.000 χ^2/NDF: 38901698070.

- sign 161.851+/-0.000 χ^2/NDF: 20423889168.9/41

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: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.772+/-0.000 χ^2/NDF: 3045096.9/39

All: 0.774+/-0.000 χ^2/NDF: 5832559.1/81

- sign 0.776+/-0.000 χ^2/NDF: 2786917.3/41

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

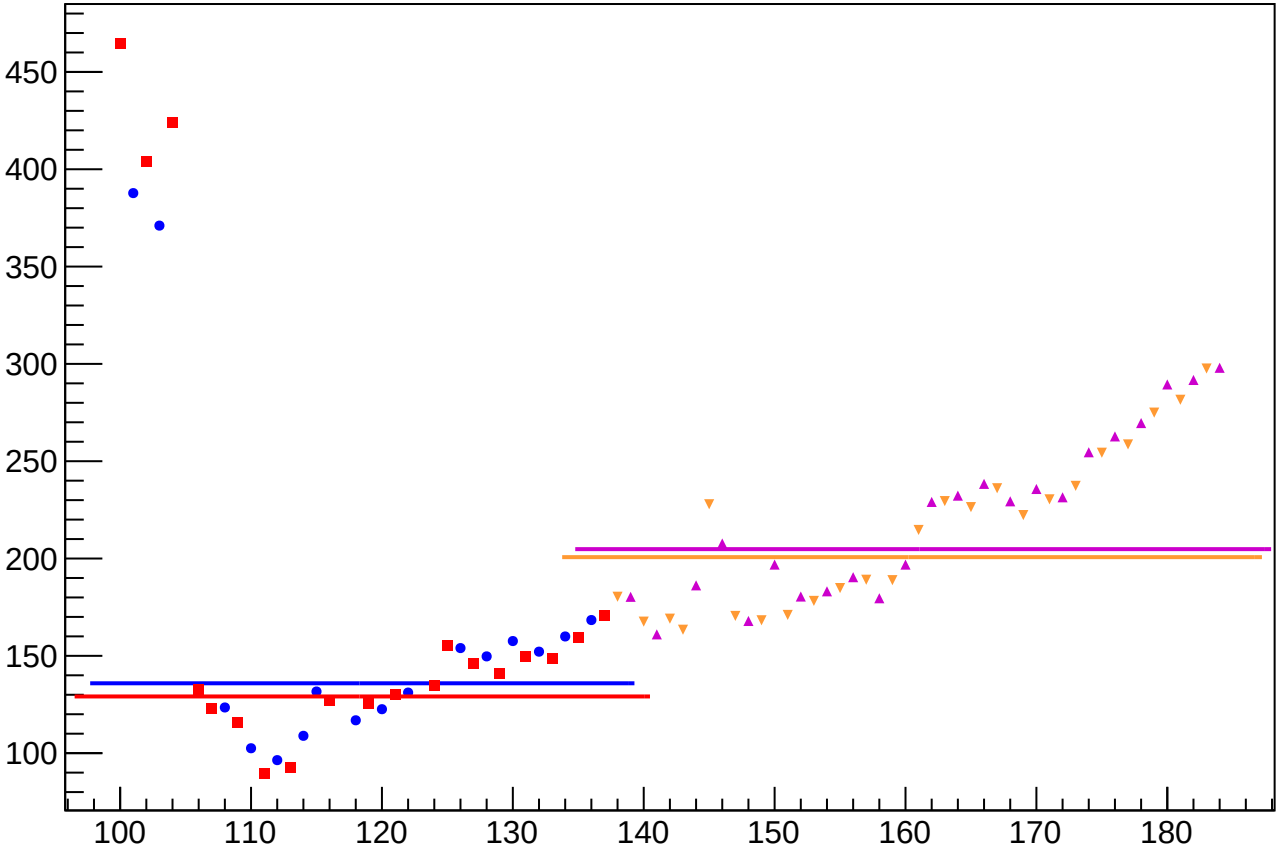
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160223.643+/-0.036 χ^2/NDF: 11397993909

All: 159732.979+/-0.025 χ^2/NDF: 2253888

- sign 159250.353+/-0.035 χ^2/NDF: 111031536020

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

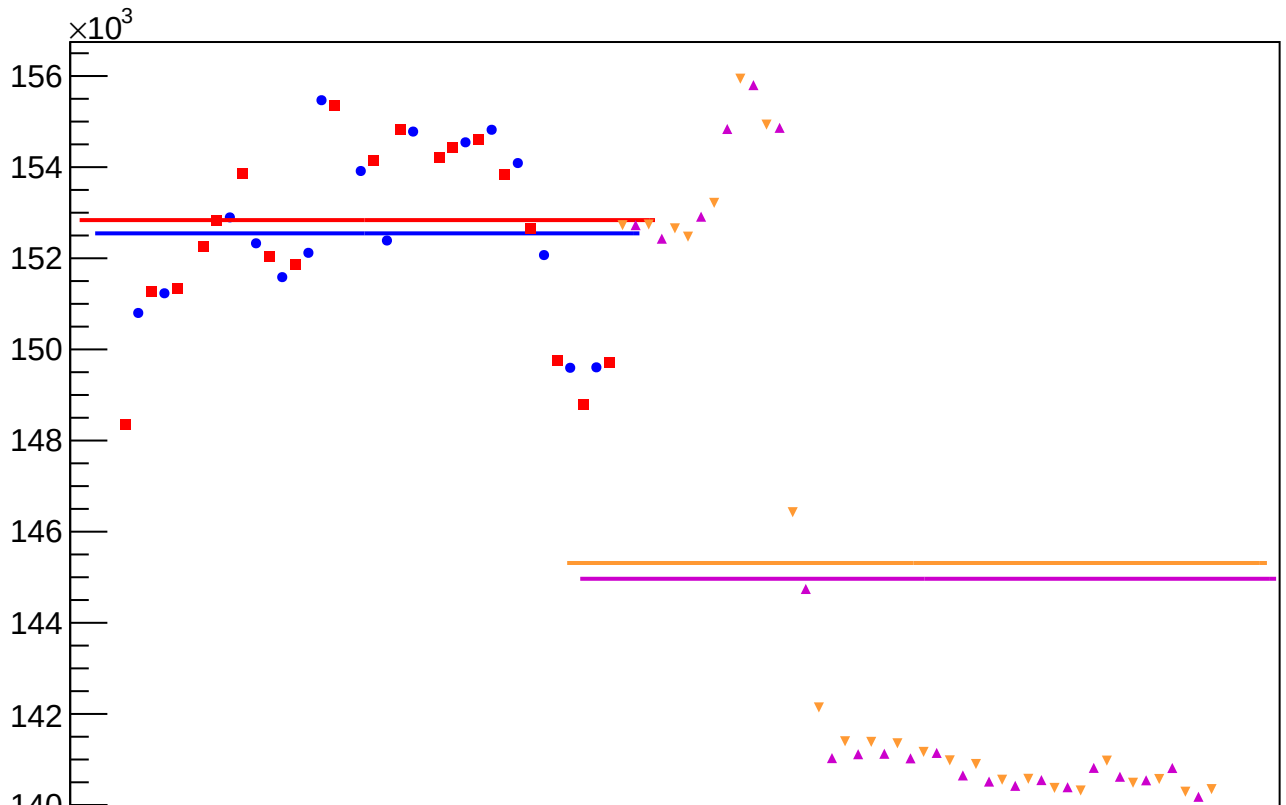
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 173.209+/-0.025 χ^2/NDF: 4213757.2/39

All: 170.875+/-0.018 χ^2/NDF: 9195970.6/81

- sign 168.578+/-0.025 χ^2/NDF: 4965124.8/41



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

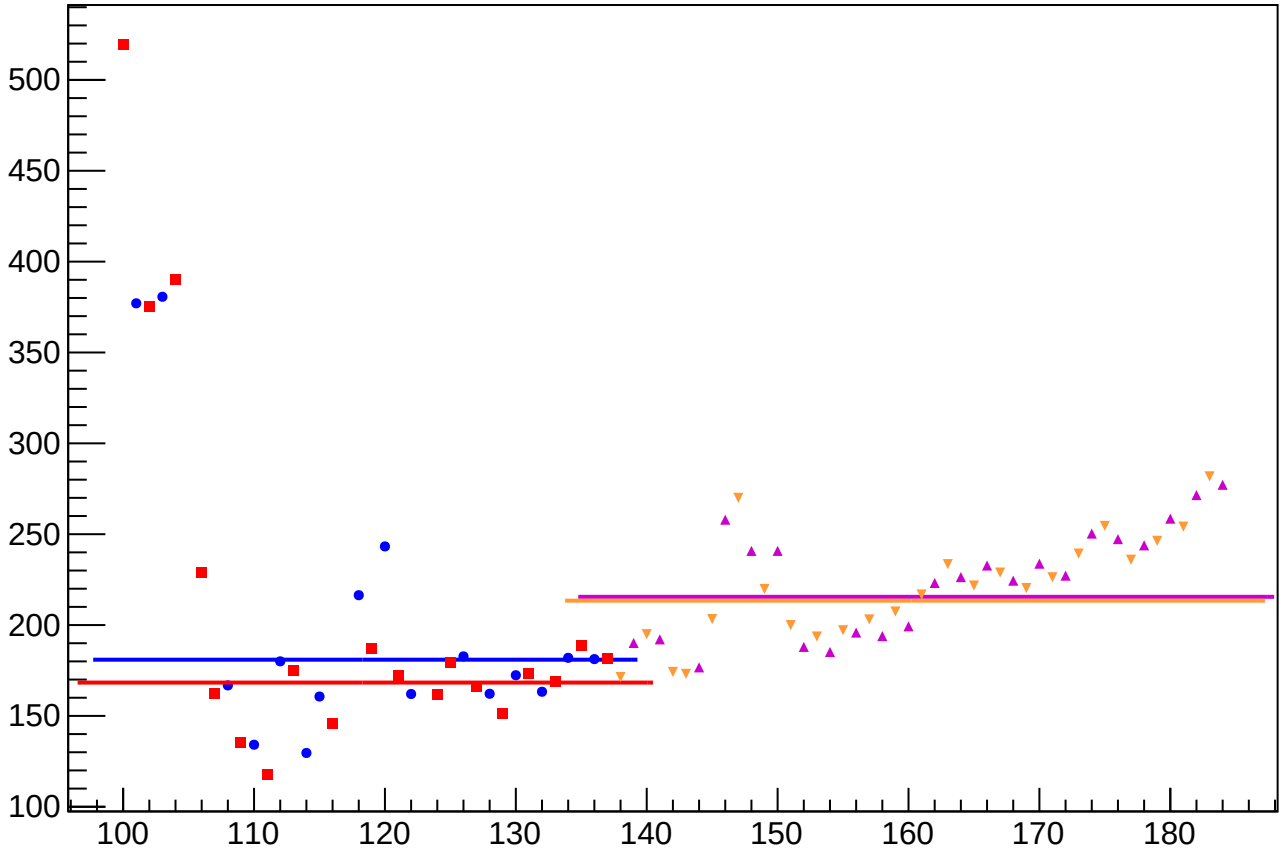
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147613.428+/-0.041 χ^2/NDF: 21035963446.4

All: 147751.562+/-0.029 χ^2/NDF: 43719493

- sign 147887.390+/-0.041 χ^2/NDF: 22660963215.2

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

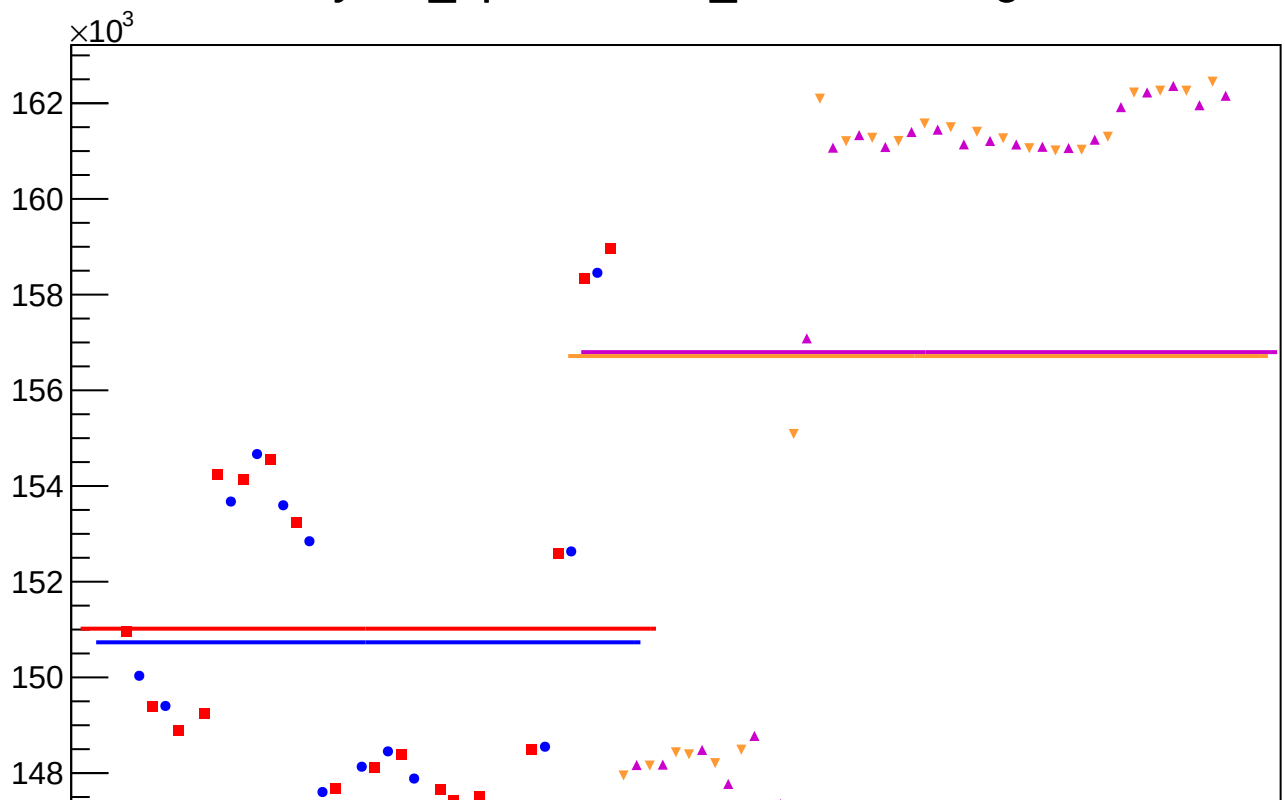
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.086+/-0.029 χ^2/NDF: 1802073.5/39

All: 200.535+/-0.020 χ^2/NDF: 4137478.4/81

- sign 198.027+/-0.029 χ^2/NDF: 2320015.1/41



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

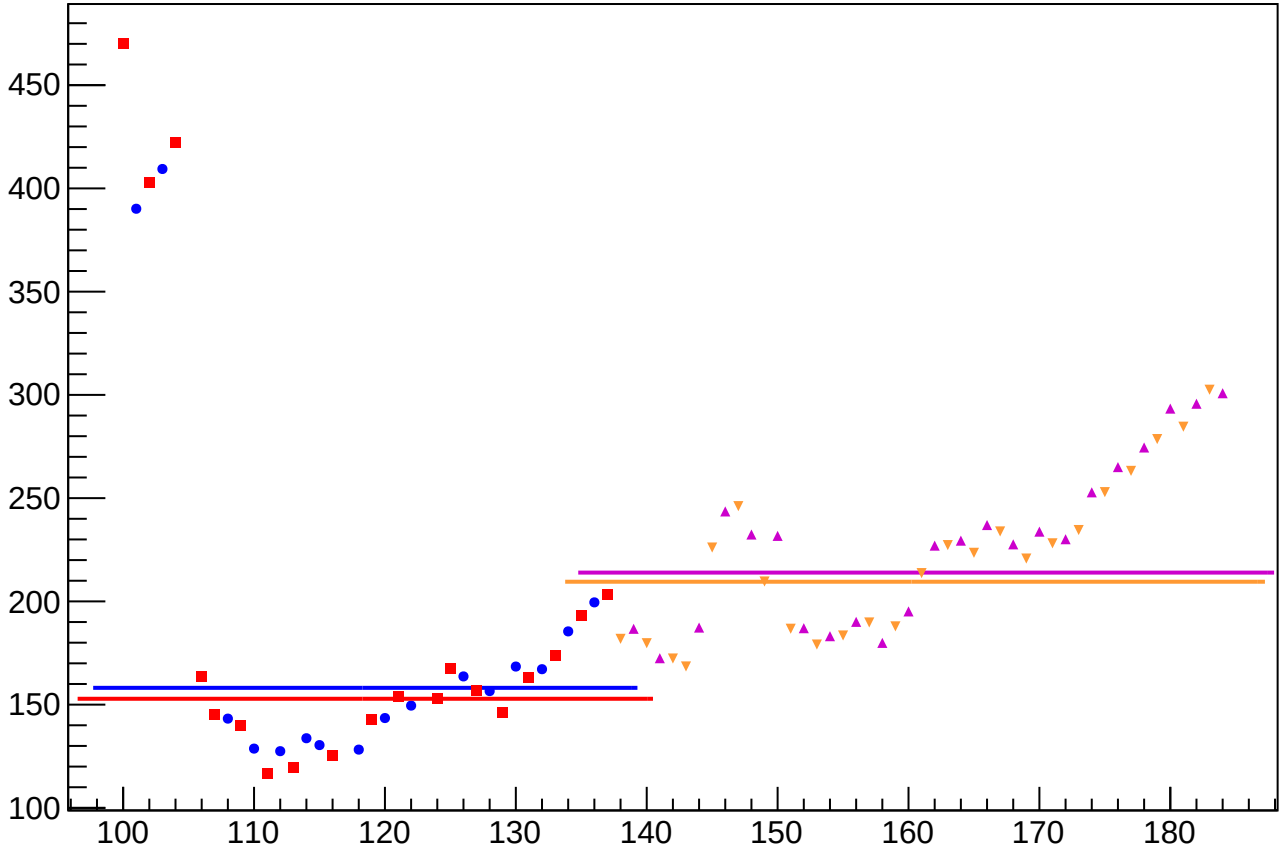
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154467.771+/-0.039 χ^2/NDF: 25221057418.

All: 154423.771+/-0.027 χ^2/NDF: 4823907

- sign 154379.098+/-0.039 χ^2/NDF: 23015395456.

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

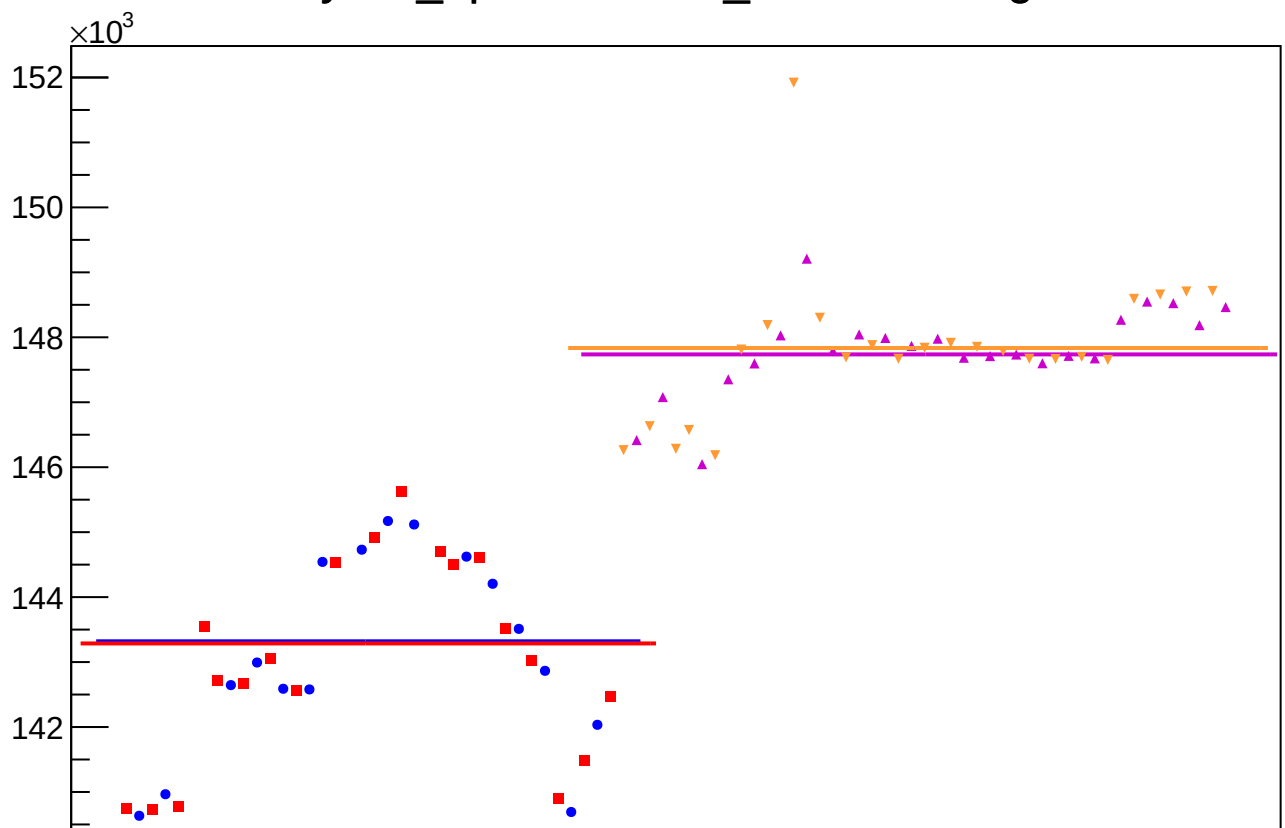
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 190.212+/-0.027 χ^2/NDF: 2978533.4/39

All: 189.298+/-0.019 χ^2/NDF: 6363390.7/81

- sign 188.371+/-0.027 χ^2/NDF: 3382596.2/41



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

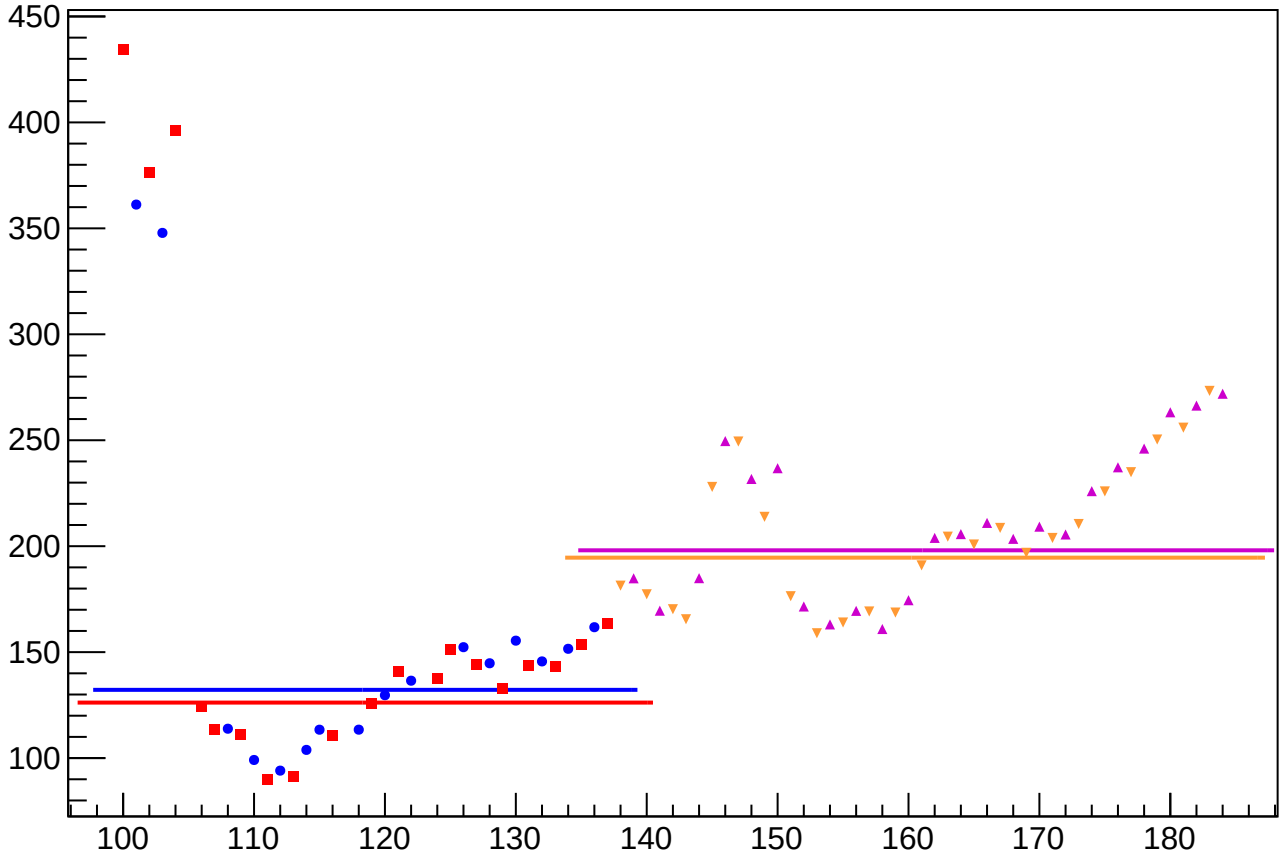
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 145934.662+/-0.034 χ^2/NDF: 5453320064.4

All: 145780.067+/-0.024 χ^2/NDF: 10556381

- sign 145627.658+/-0.034 χ^2/NDF: 5063106252.1/

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

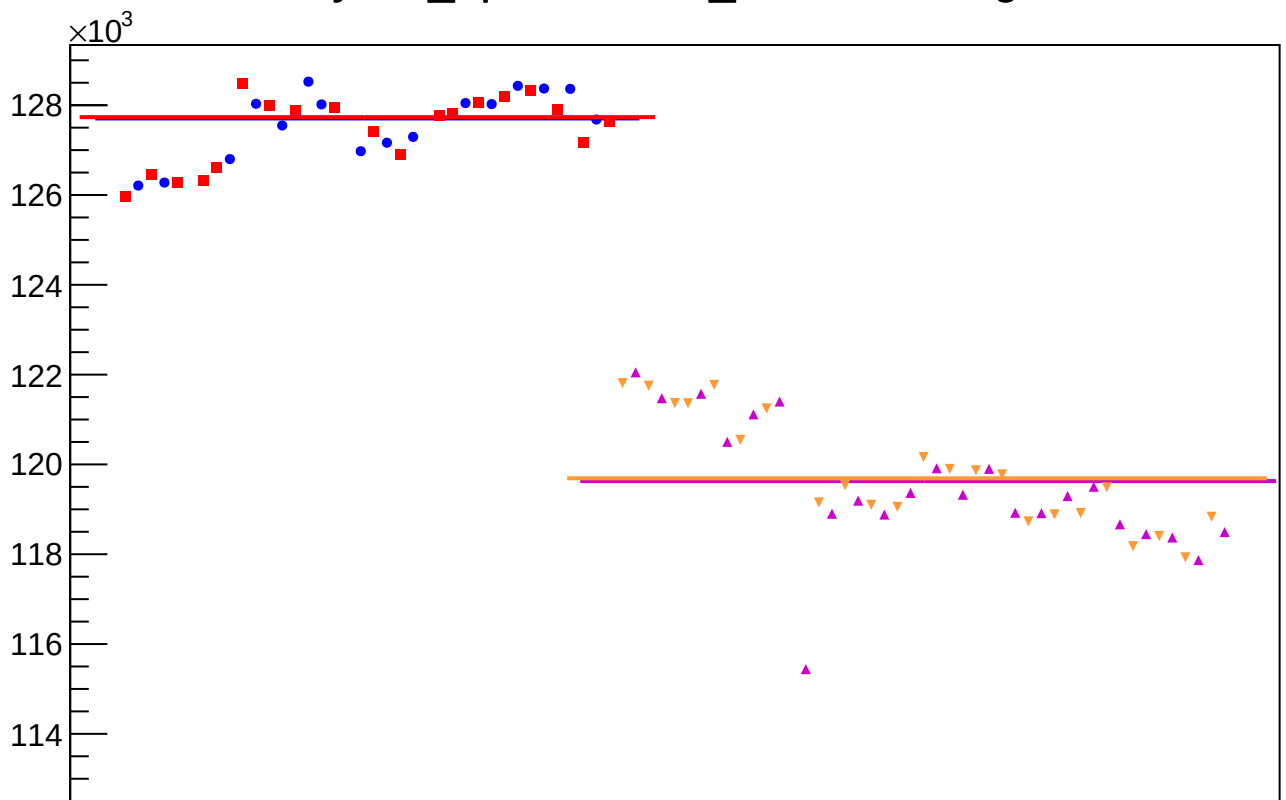
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 168.331+/-0.024 χ^2/NDF: 3837533.6/39

All: 166.147+/-0.017 χ^2/NDF: 8497989.3/81

- sign 163.994+/-0.024 χ^2/NDF: 4644511.6/41



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

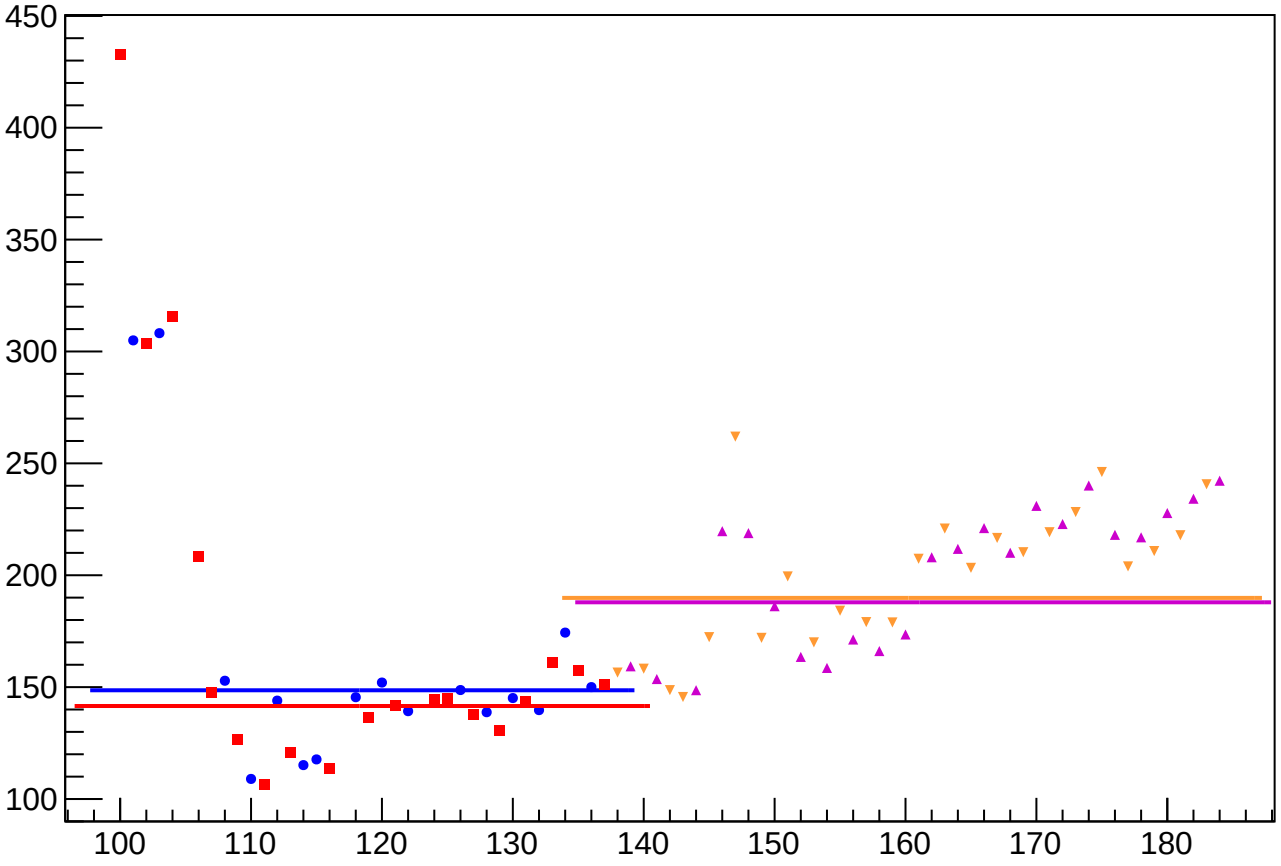
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122631.191+/-0.035 χ^2/NDF: 14003202670.

All: 122759.980+/-0.025 χ^2/NDF: 28491701

- sign 122884.567+/-0.035 χ^2/NDF: 14462431826.

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

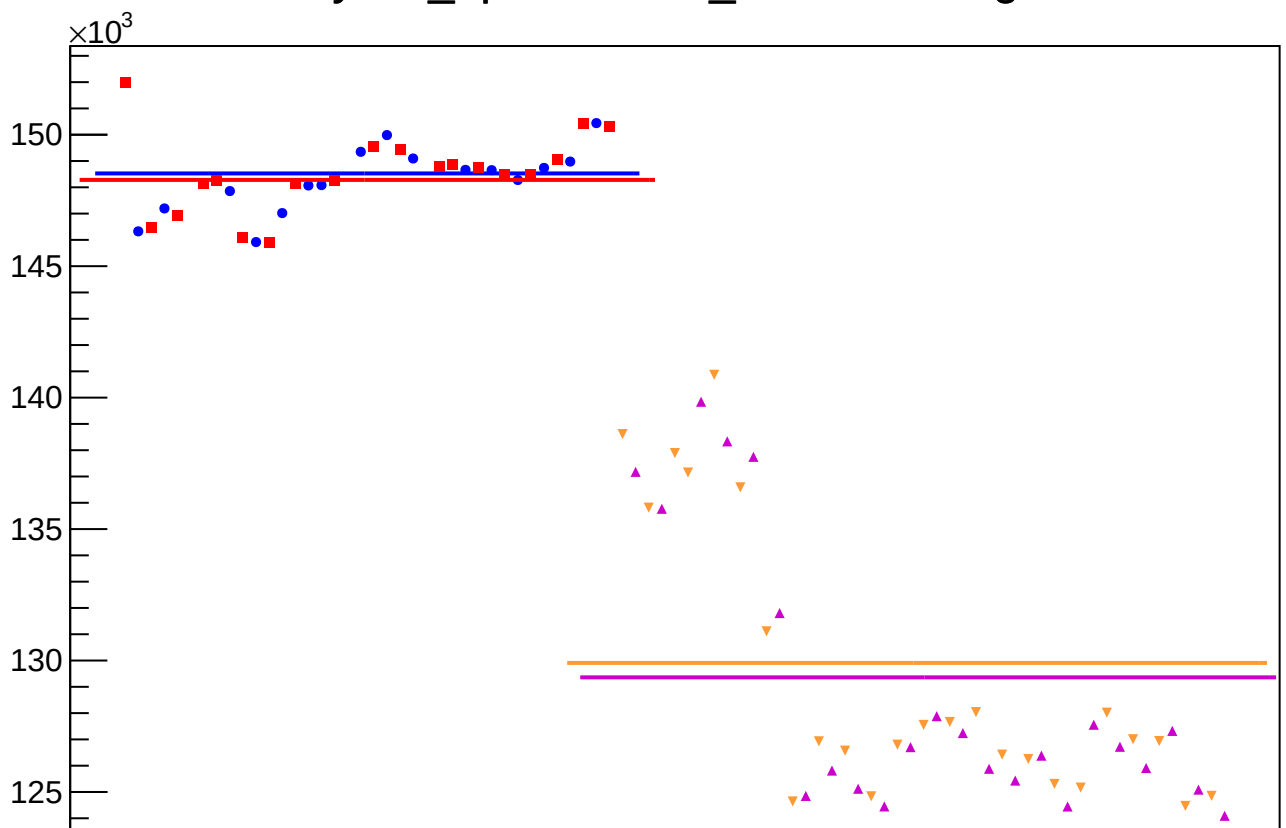
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 174.732+/-0.025 χ^2/NDF: 2364849.8/39

All: 171.969+/-0.018 χ^2/NDF: 5168588.3/81

- sign 169.296+/-0.025 χ^2/NDF: 2779747.4/41



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

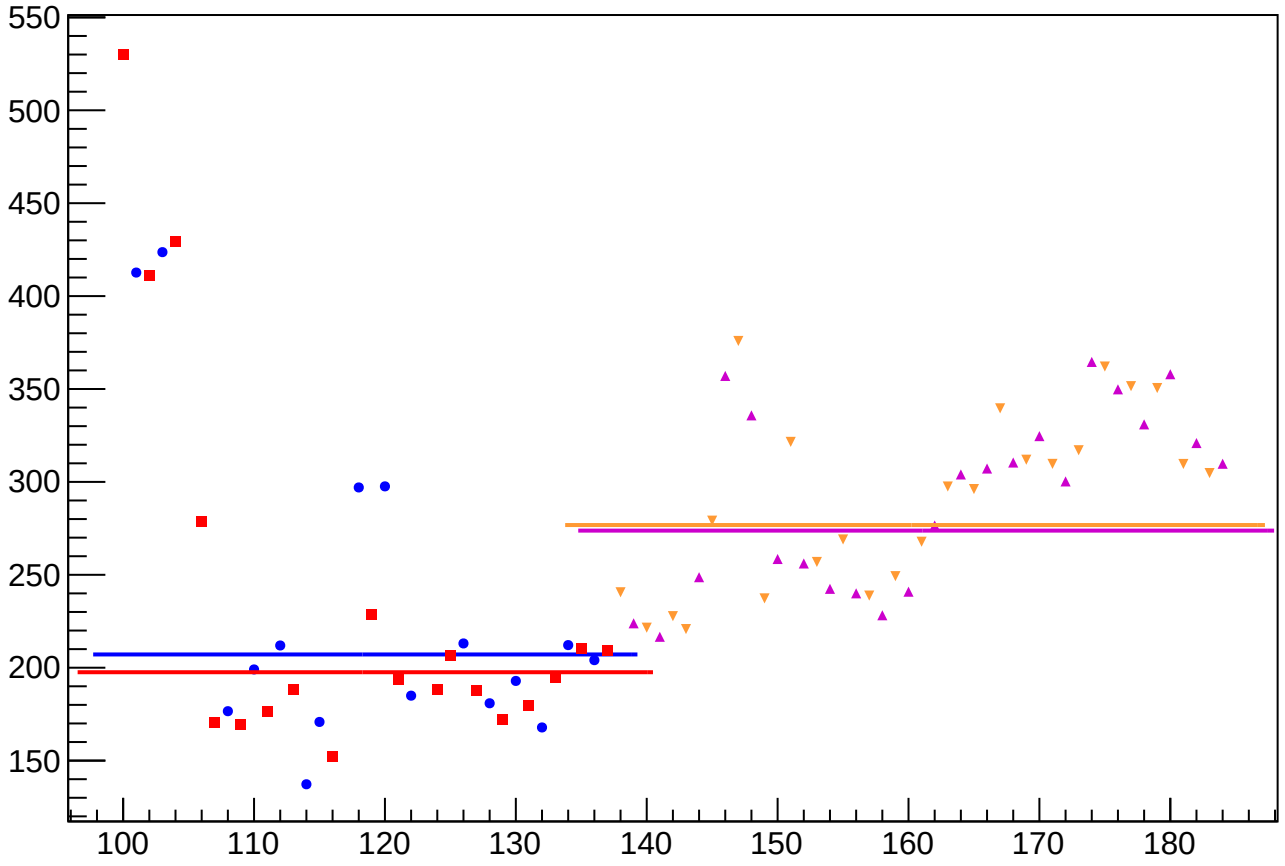
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 137044.713+/-0.051 χ^2/NDF: 38735960569.5

All: 137190.638+/-0.036 χ^2/NDF: 80983111

- sign 137330.819+/-0.050 χ^2/NDF: 42230925941.5

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

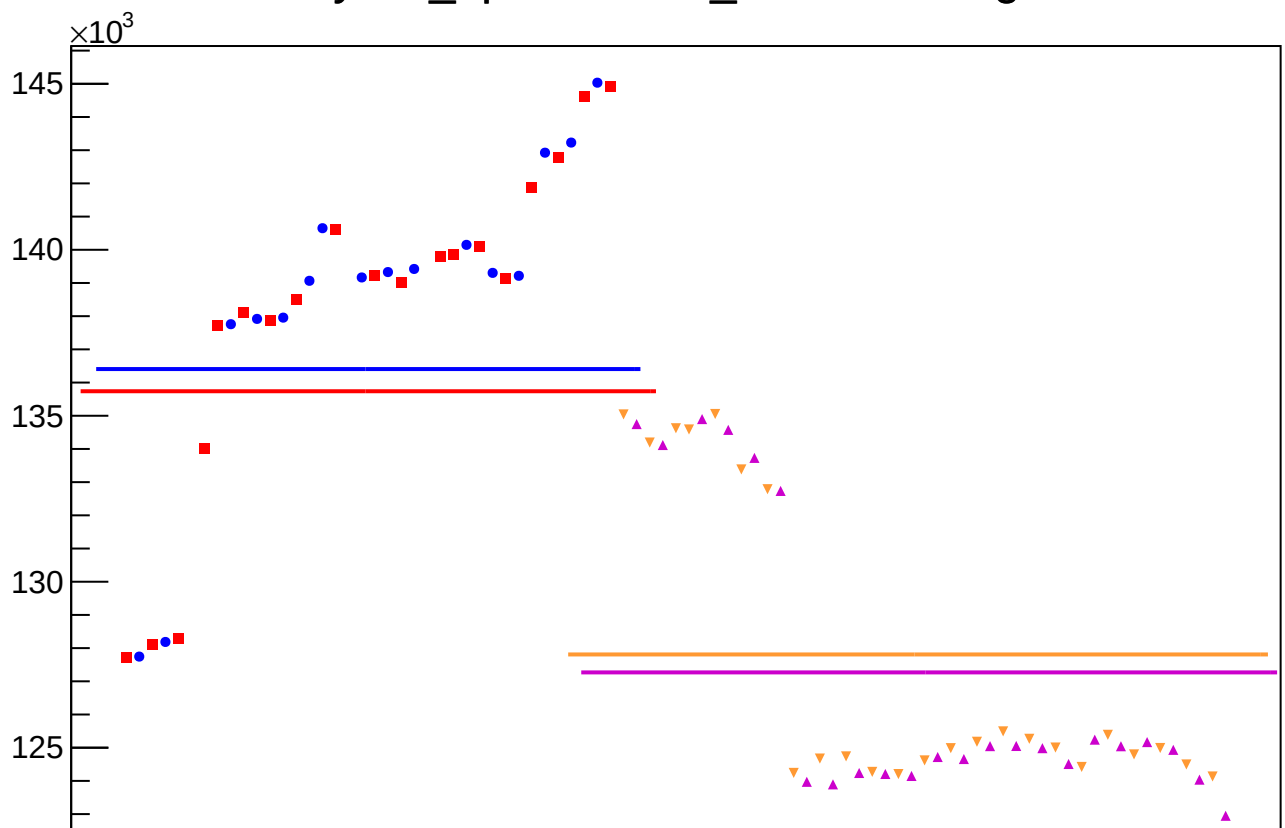
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

\+ sign 250.092+/-0.036 χ^2/NDF: 2807899.4/39

All: 245.802+/-0.025 χ^2/NDF: 5889579.9/81

\- sign 241.681+/-0.035 χ^2/NDF: 3053636.3/41



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

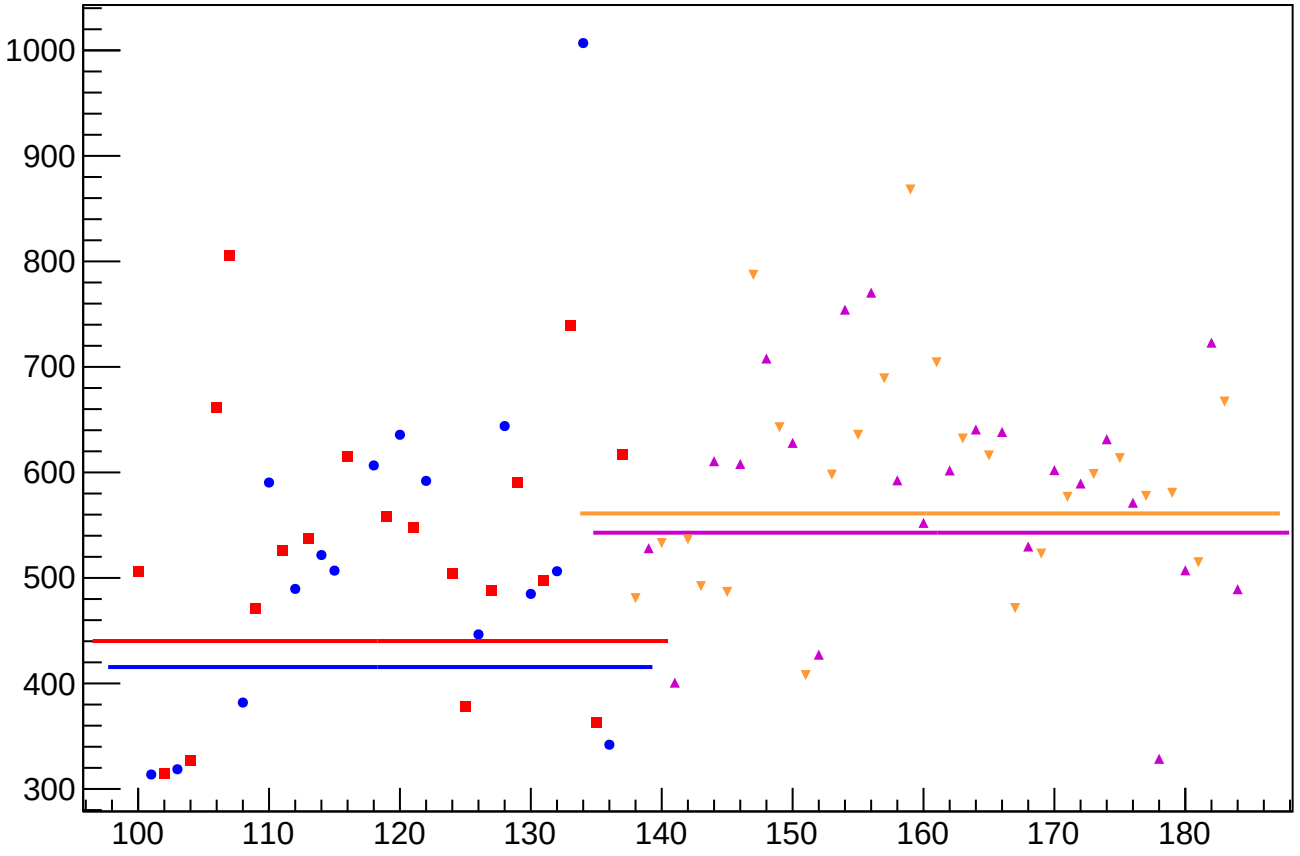
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131227.712+/-0.106 χ^2/NDF: 4224195808.0

All: 130870.895+/-0.076 χ^2/NDF: 78155930

- sign 130495.370+/-0.109 χ^2/NDF: 3568270198.9/

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

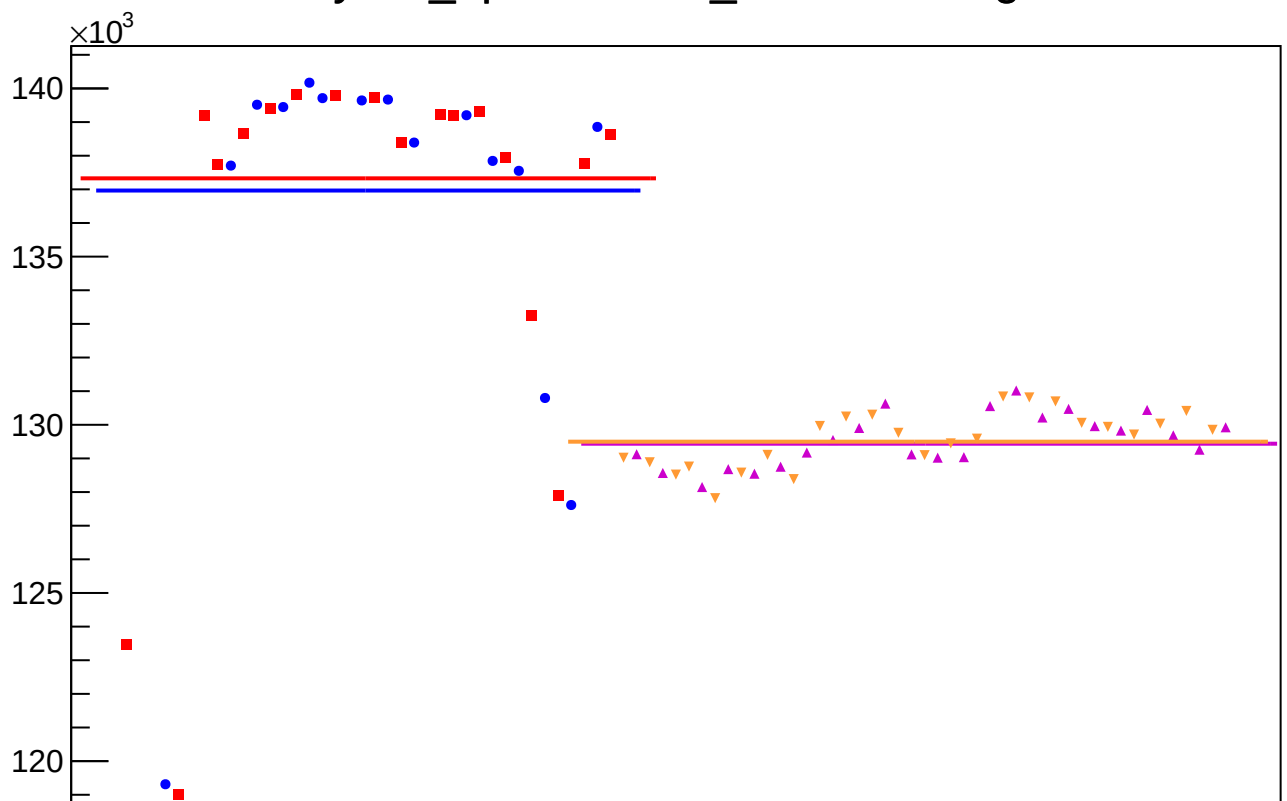
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 503.244+/-0.075 χ^2/NDF: 2858056.5/39

All: 503.497+/-0.054 χ^2/NDF: 5603543.0/81

- sign 503.763+/-0.077 χ^2/NDF: 2745463.3/41



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

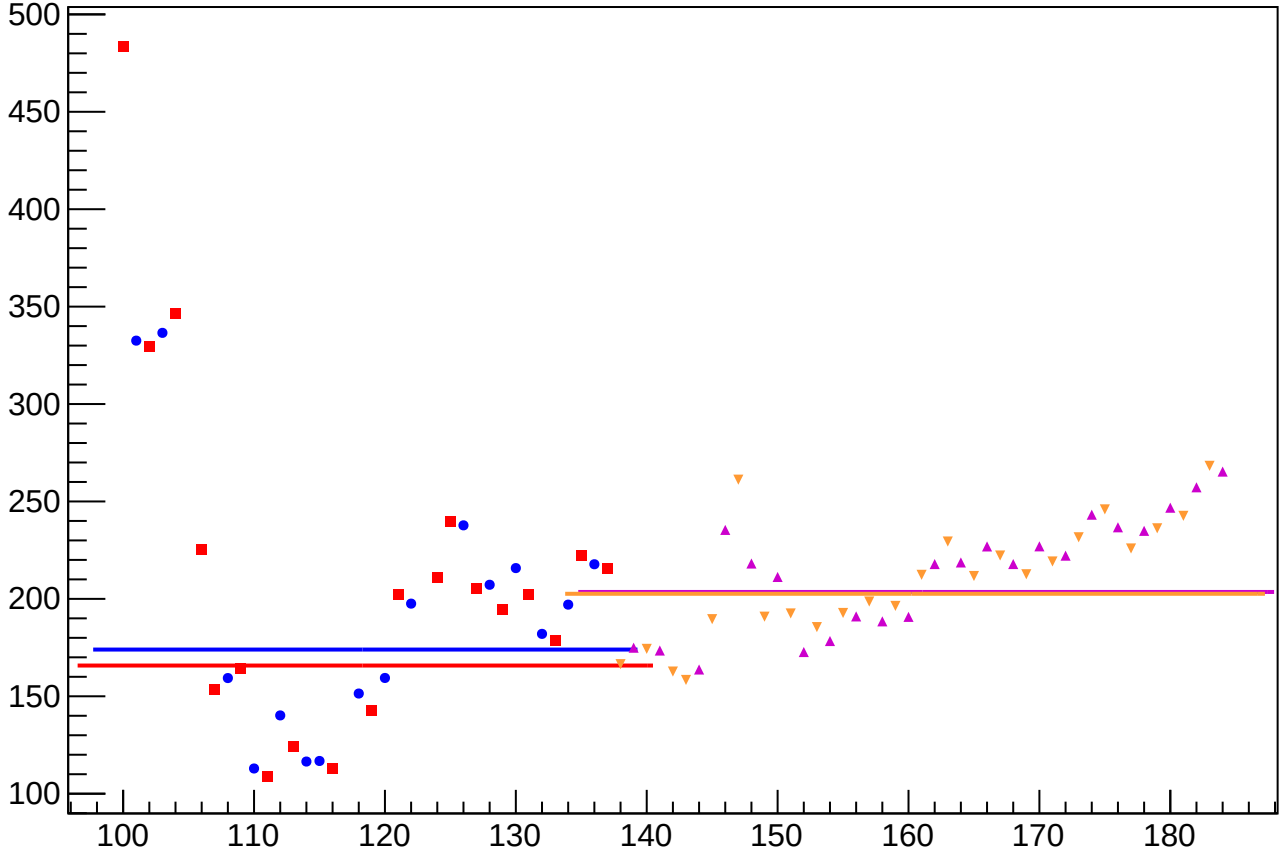
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131843.458+/-0.039 χ^2/NDF: 13970164602.

All: 132031.930+/-0.028 χ^2/NDF: 29380646

- sign 132219.345+/-0.039 χ^2/NDF: 15364091631.7

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

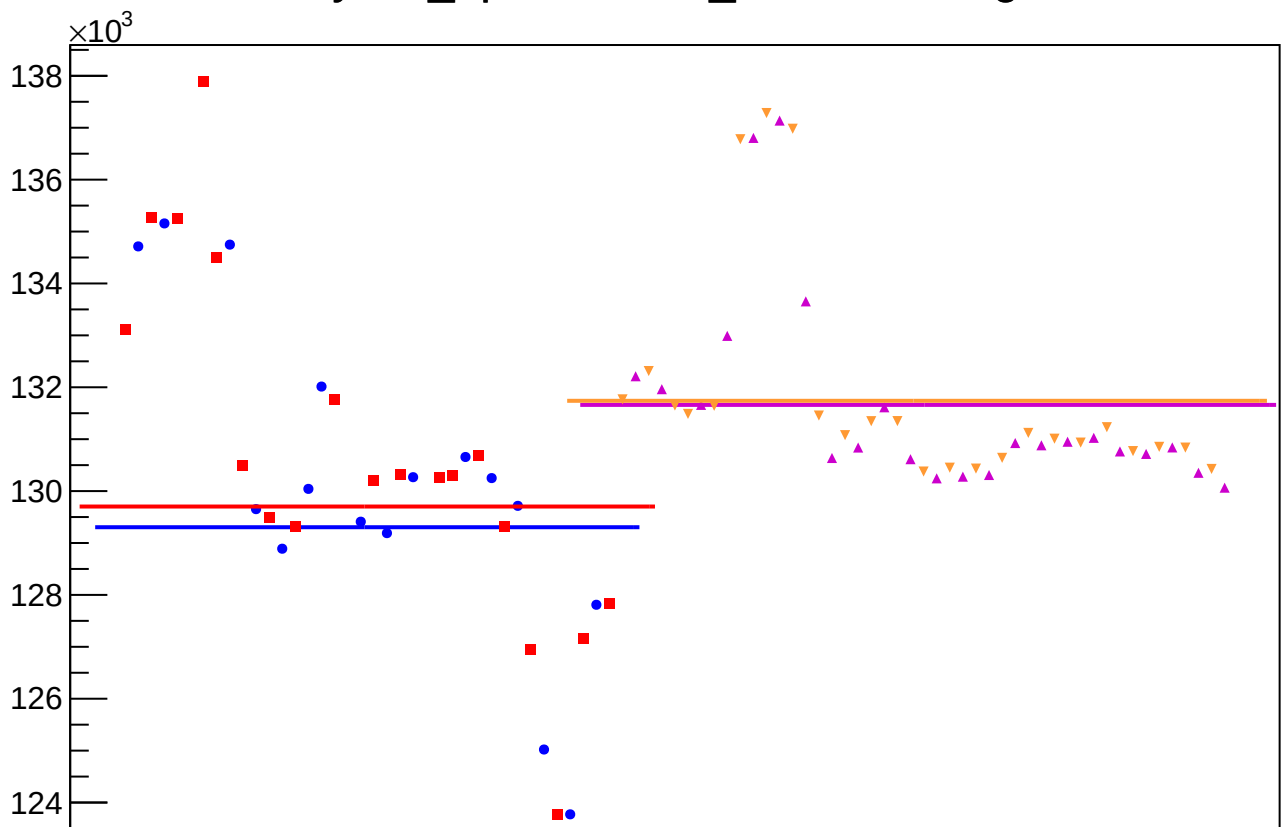
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 193.617+/-0.028 χ^2/NDF: 2147608.7/39

All: 191.919+/-0.020 χ^2/NDF: 4683127.2/81

- sign 190.231+/-0.028 χ^2/NDF: 2527991.4/41



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

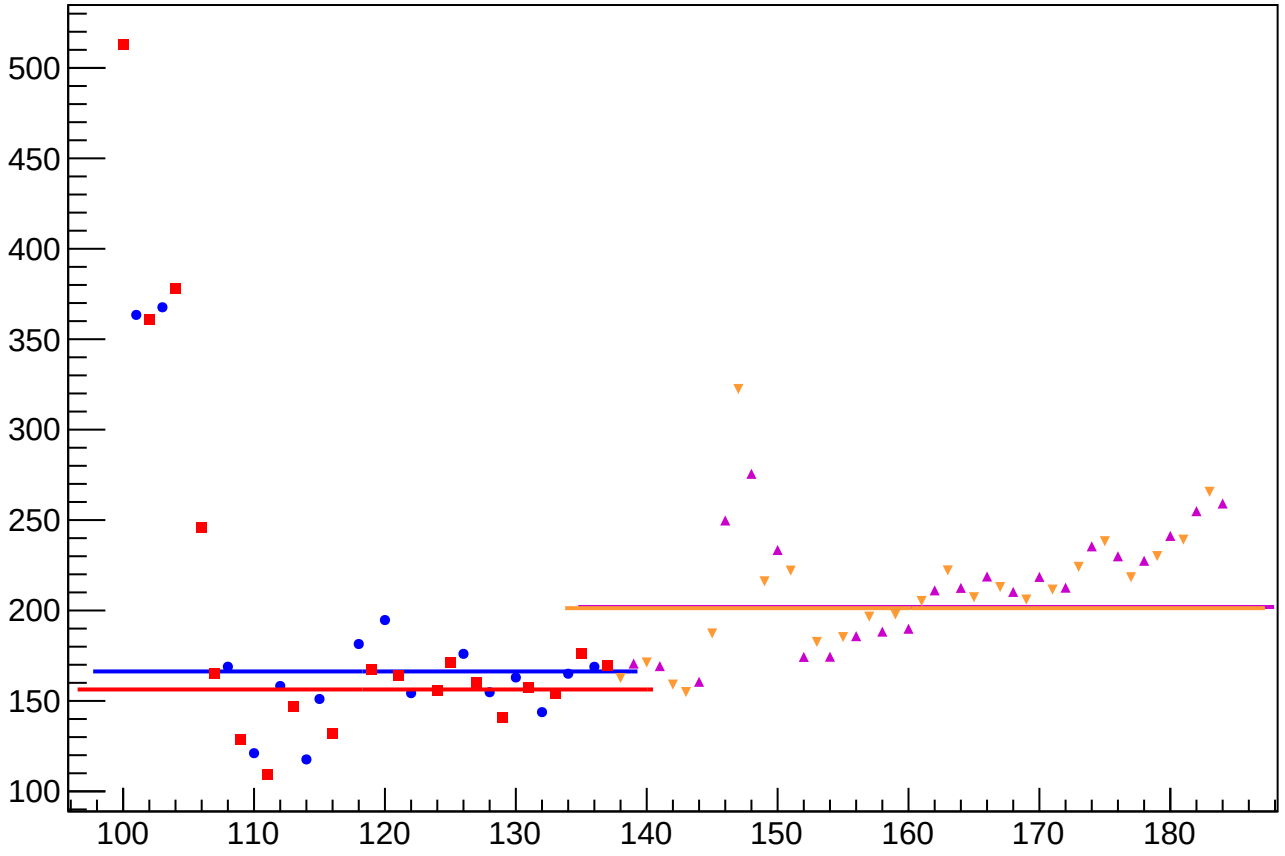
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 130922.312+/-0.038 χ^2/NDF: 3966317193.5

All: 130919.405+/-0.027 χ^2/NDF: 75359820

- sign 130916.559+/-0.038 χ^2/NDF: 3569669639.8/

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

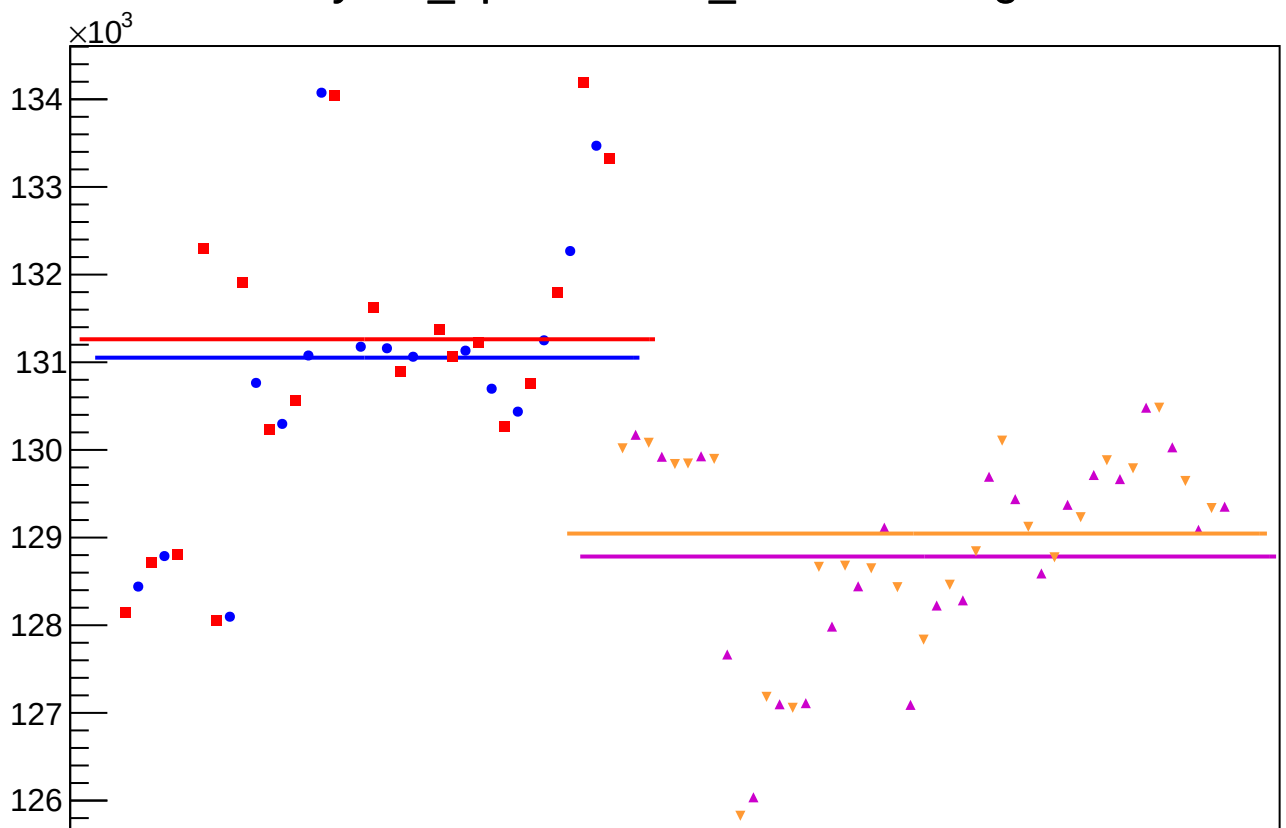
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 189.553+/-0.027 χ^2/NDF: 2186251.8/39

All: 187.058+/-0.019 χ^2/NDF: 4859738.4/81

- sign 184.616+/-0.027 χ^2/NDF: 2656731.4/41



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

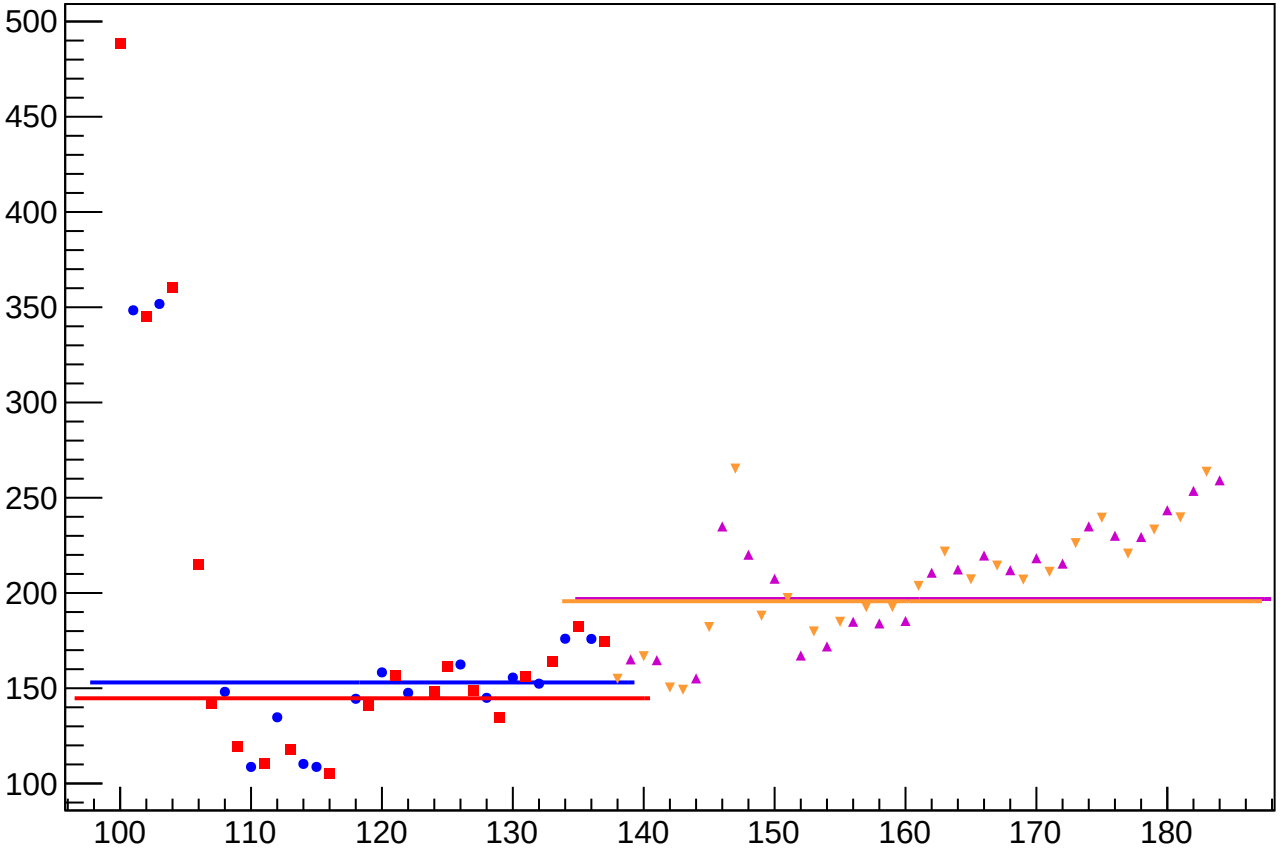
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129772.078+/-0.036 χ^2/NDF: 1751938292.8

All: 129781.811+/-0.026 χ^2/NDF: 41473760

- sign 129791.356+/-0.036 χ^2/NDF: 2395296783.7/

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

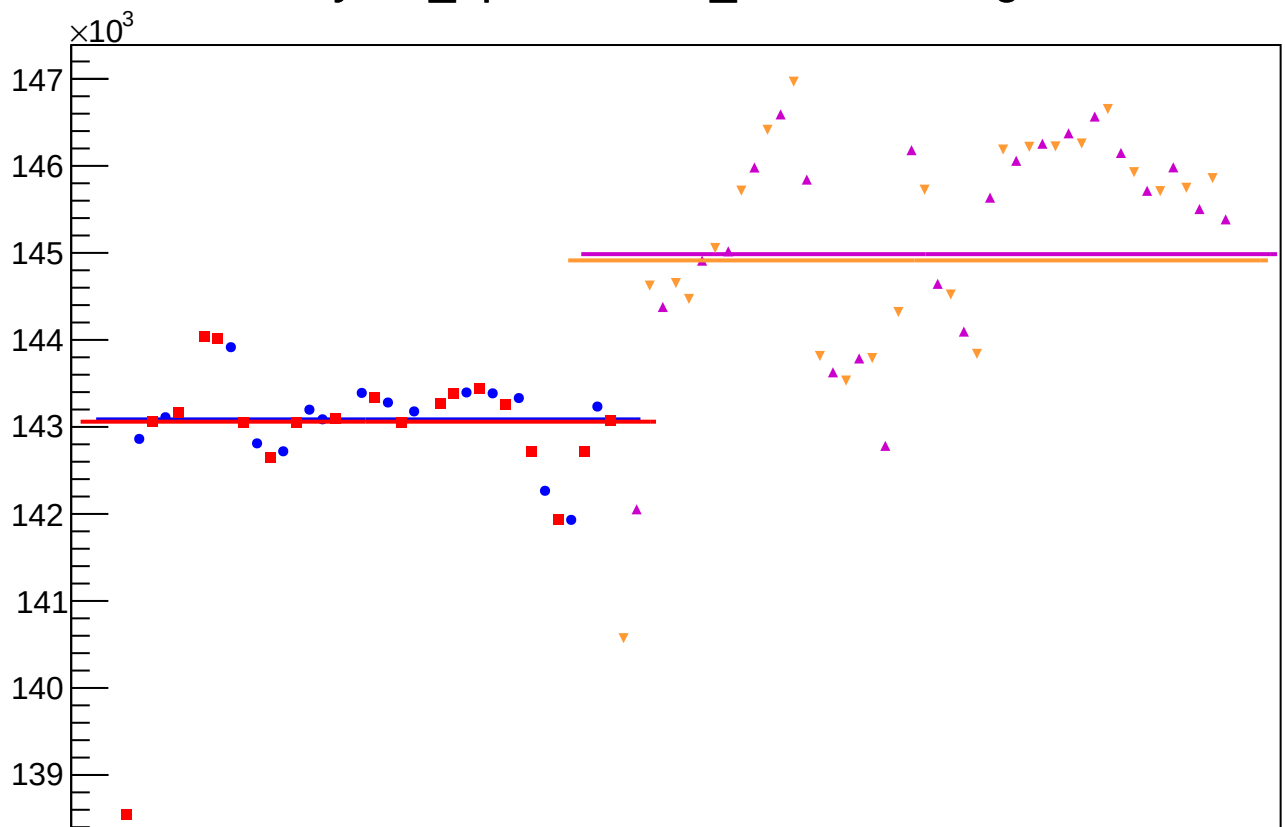
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 180.252+/-0.026 χ^2/NDF: 2580134.7/39

All: 177.932+/-0.018 χ^2/NDF: 5636443.2/81

- sign 175.657+/-0.026 χ^2/NDF: 3040290.2/41



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

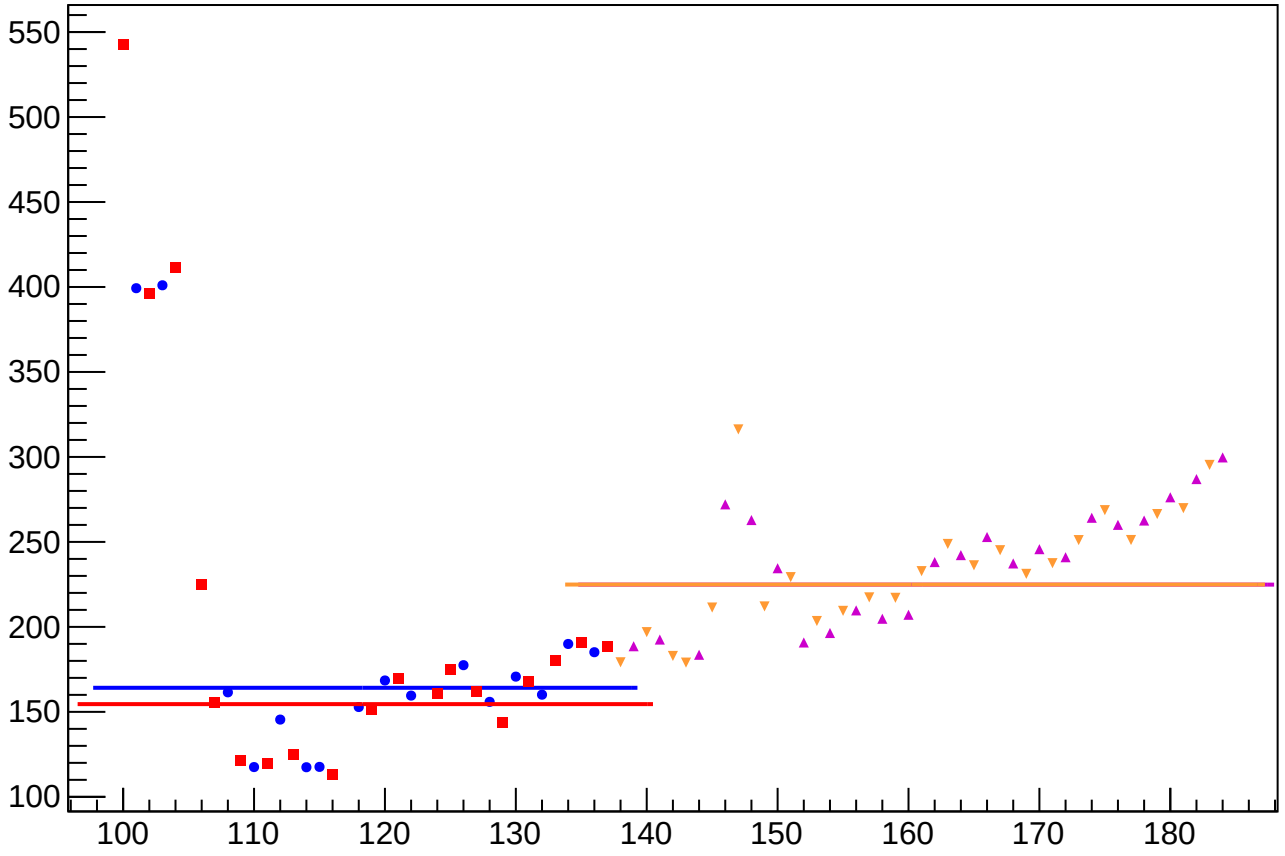
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144194.279+/-0.041 χ^2/NDF: 1358551525.1/

All: 144167.604+/-0.029 χ^2/NDF: 25958787

- sign 144141.814+/-0.040 χ^2/NDF: 1236488005.6/

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

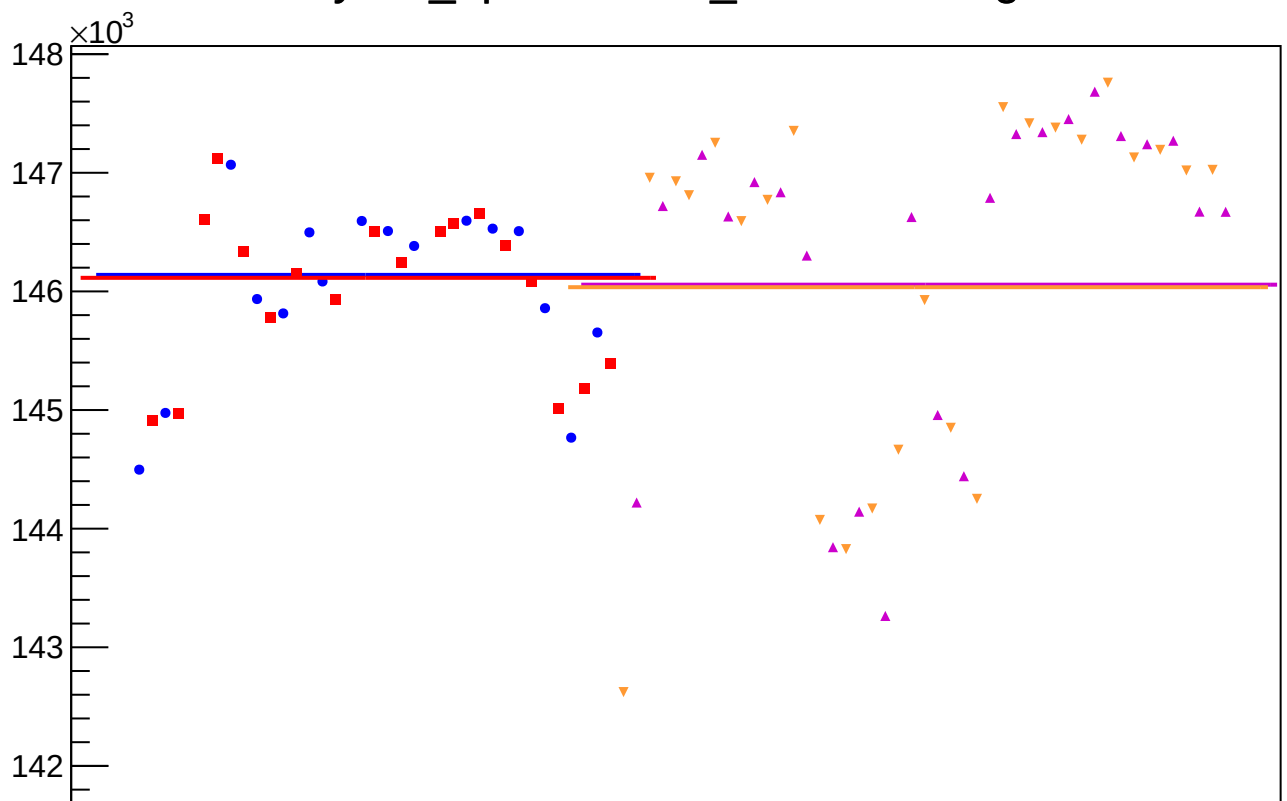
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 200.998+/-0.029 χ^2/NDF: 2933440.3/39

All: 197.468+/-0.020 χ^2/NDF: 6563134.0/81

- sign 194.055+/-0.028 χ^2/NDF: 3600296.7/41



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

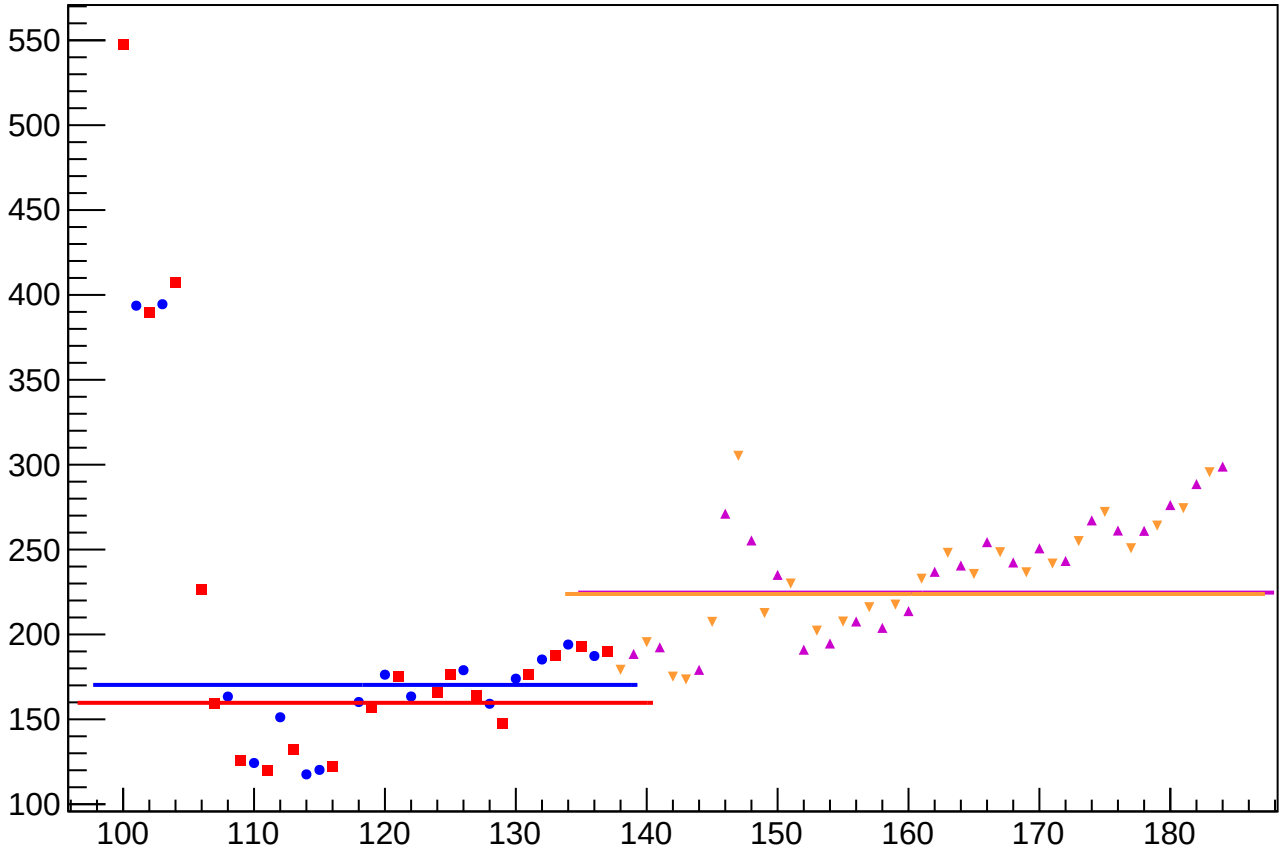
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146074.370+/-0.041 χ^2/NDF: 953562300.7/3

All: 146077.815+/-0.029 χ^2/NDF: 17259140

- sign 146081.159+/-0.041 χ^2/NDF: 772337993.2/4

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

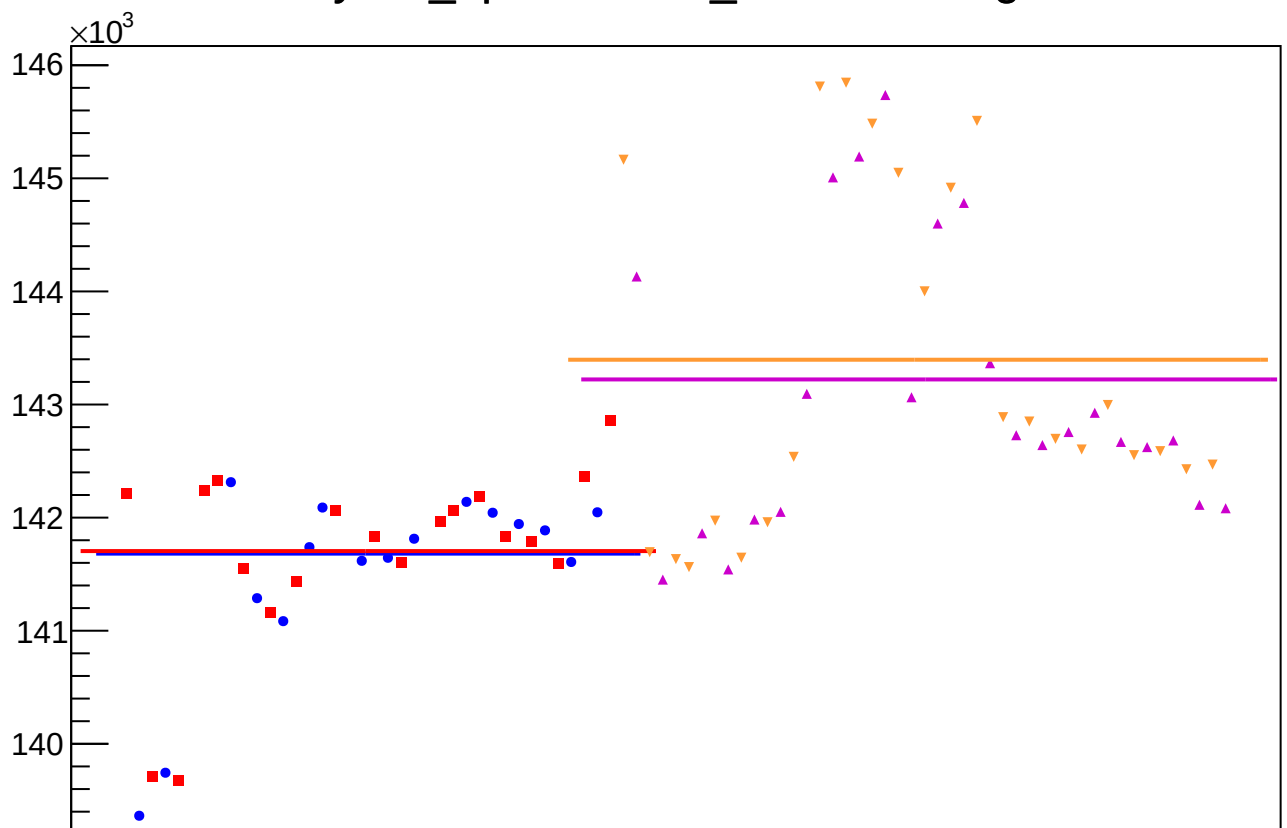
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 203.746+/-0.029 χ^2/NDF: 2667327.6/39

All: 200.399+/-0.020 χ^2/NDF: 5986548.1/81

- sign 197.150+/-0.029 χ^2/NDF: 3293302.2/41



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

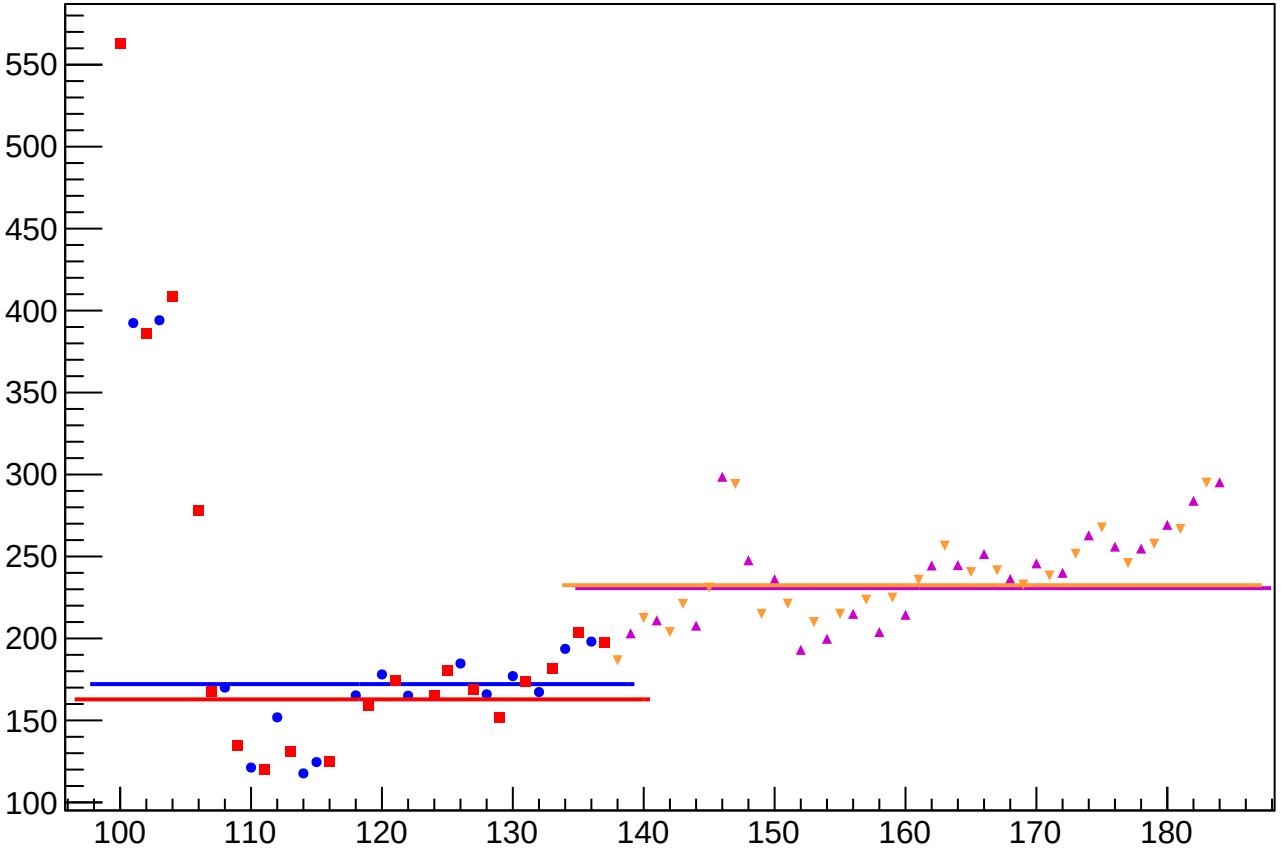
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142737.571+/-0.042 χ^2/NDF: 1233254410.3

All: 142655.898+/-0.030 χ^2/NDF: 21718332

- sign 142577.023+/-0.042 χ^2/NDF: 931254930.2/4

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

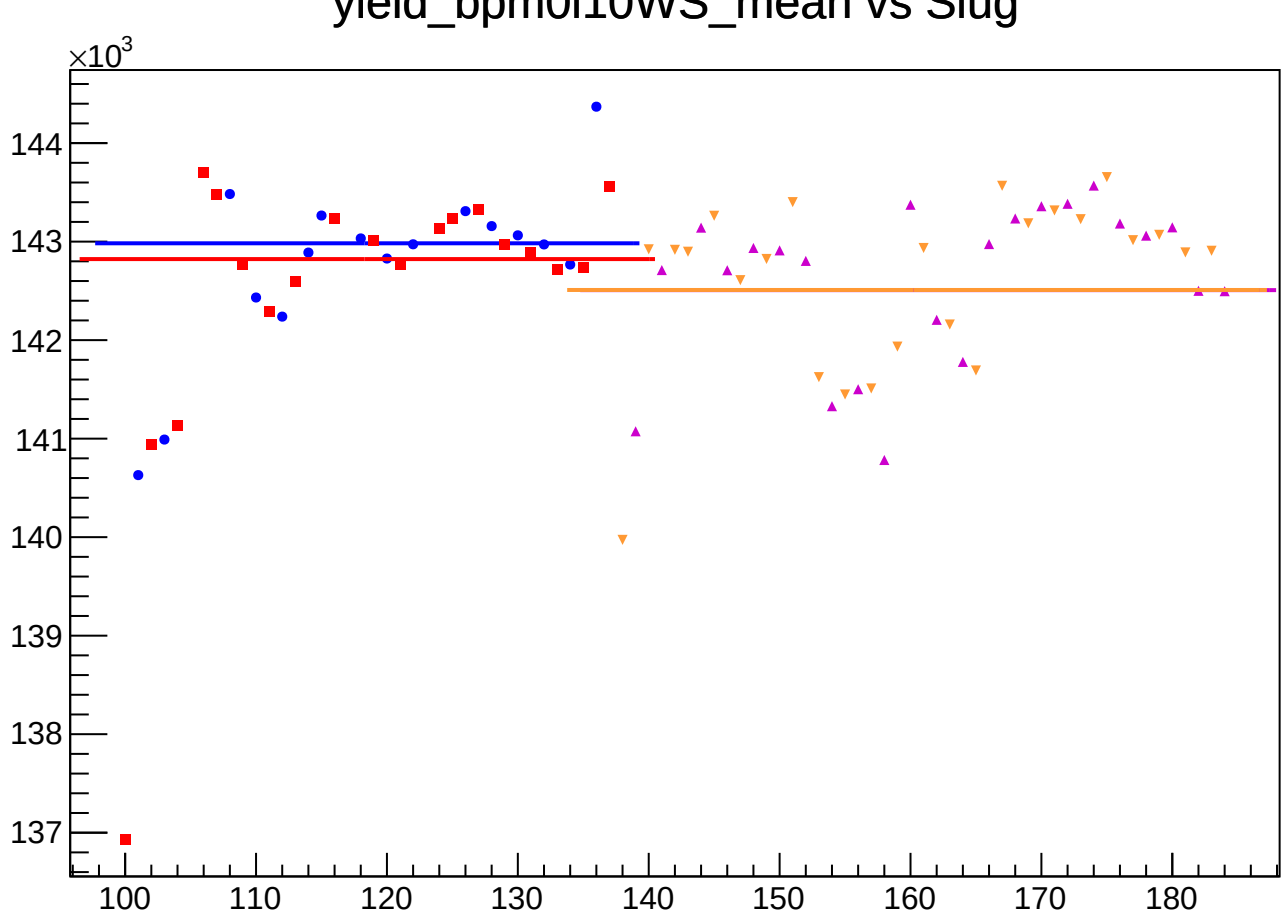
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 209.299+/-0.030 χ^2/NDF: 2454500.6/39

All: 205.518+/-0.021 χ^2/NDF: 5604904.5/81

- sign 201.867+/-0.029 χ^2/NDF: 3119013.8/41



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

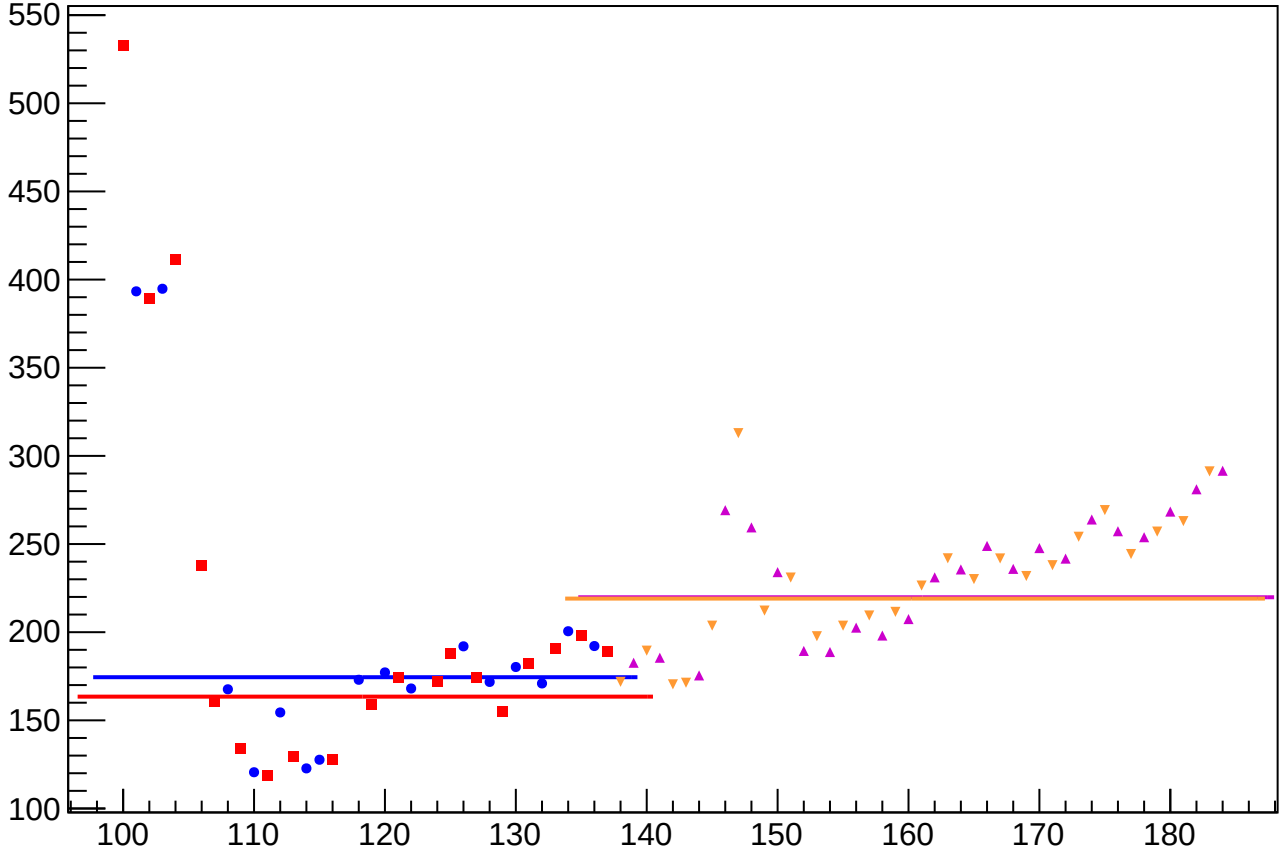
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142676.674+/-0.041 χ^2/NDF: 475939897.9/3

All: 142655.041+/-0.029 χ^2/NDF: 82384935

- sign 142633.972+/-0.041 χ^2/NDF: 347362377.9/4

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

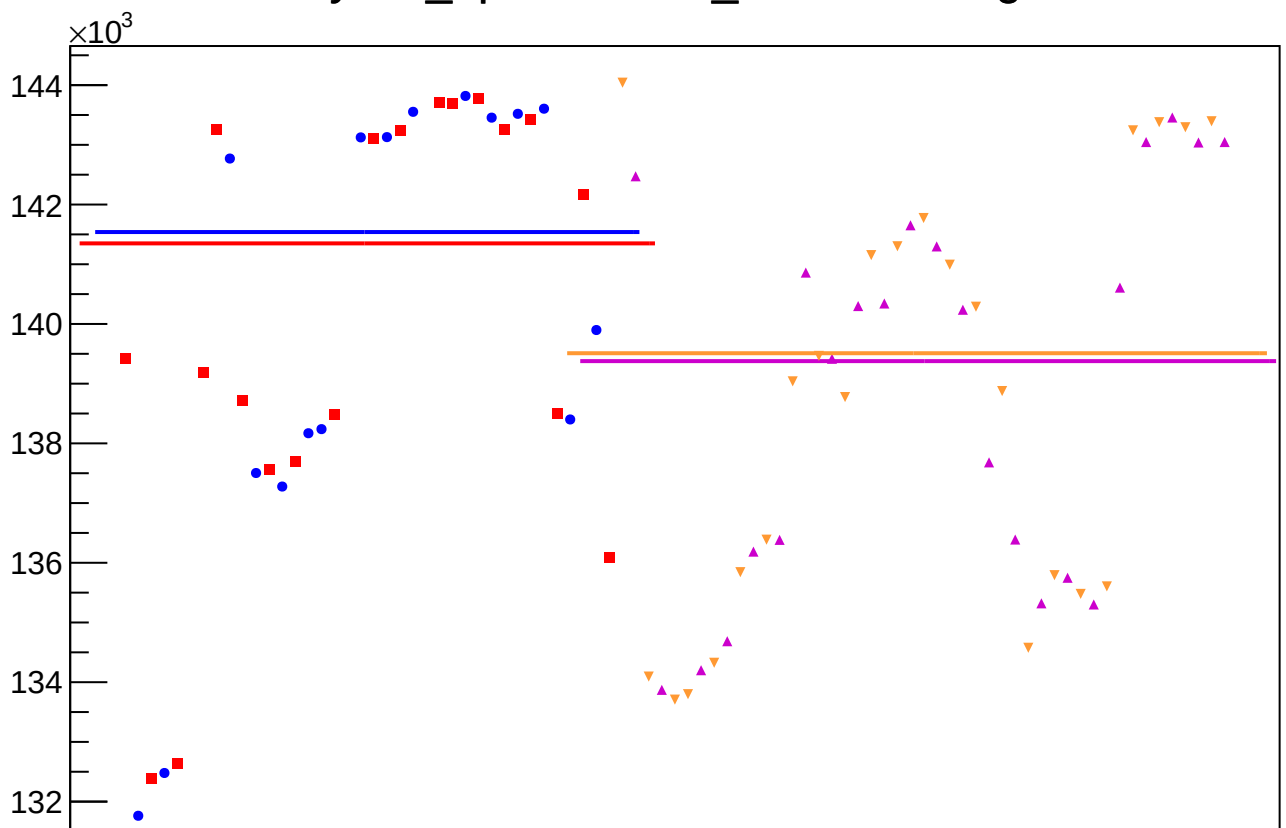
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 203.295+/-0.029 χ^2/NDF: 2459839.3/39

All: 200.210+/-0.020 χ^2/NDF: 5498223.7/81

- sign 197.206+/-0.029 χ^2/NDF: 3016137.7/41



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

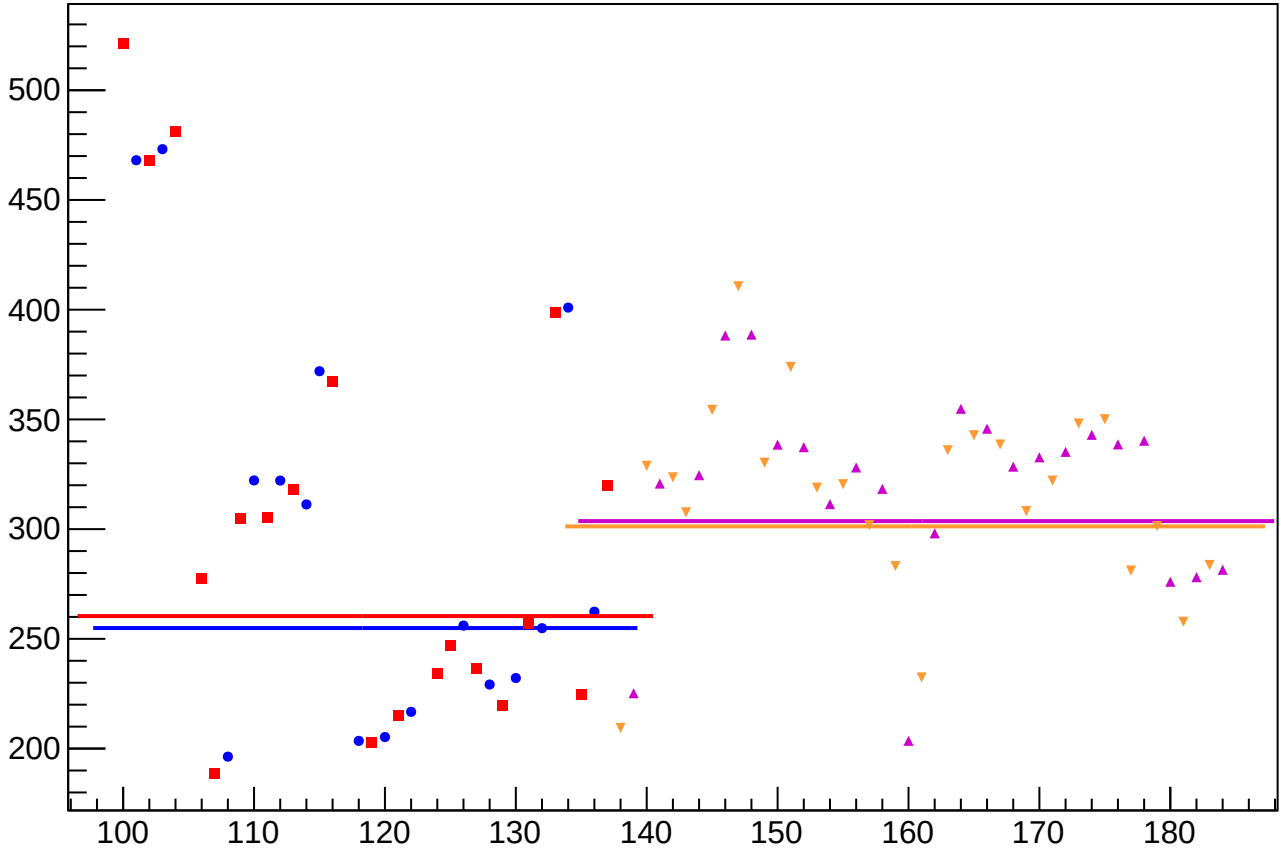
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 140177.557+/-0.058 χ^2/NDF: 3762226618.5

All: 140116.773+/-0.041 χ^2/NDF: 68629031

- sign 140053.162+/-0.059 χ^2/NDF: 3098414887.5/

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

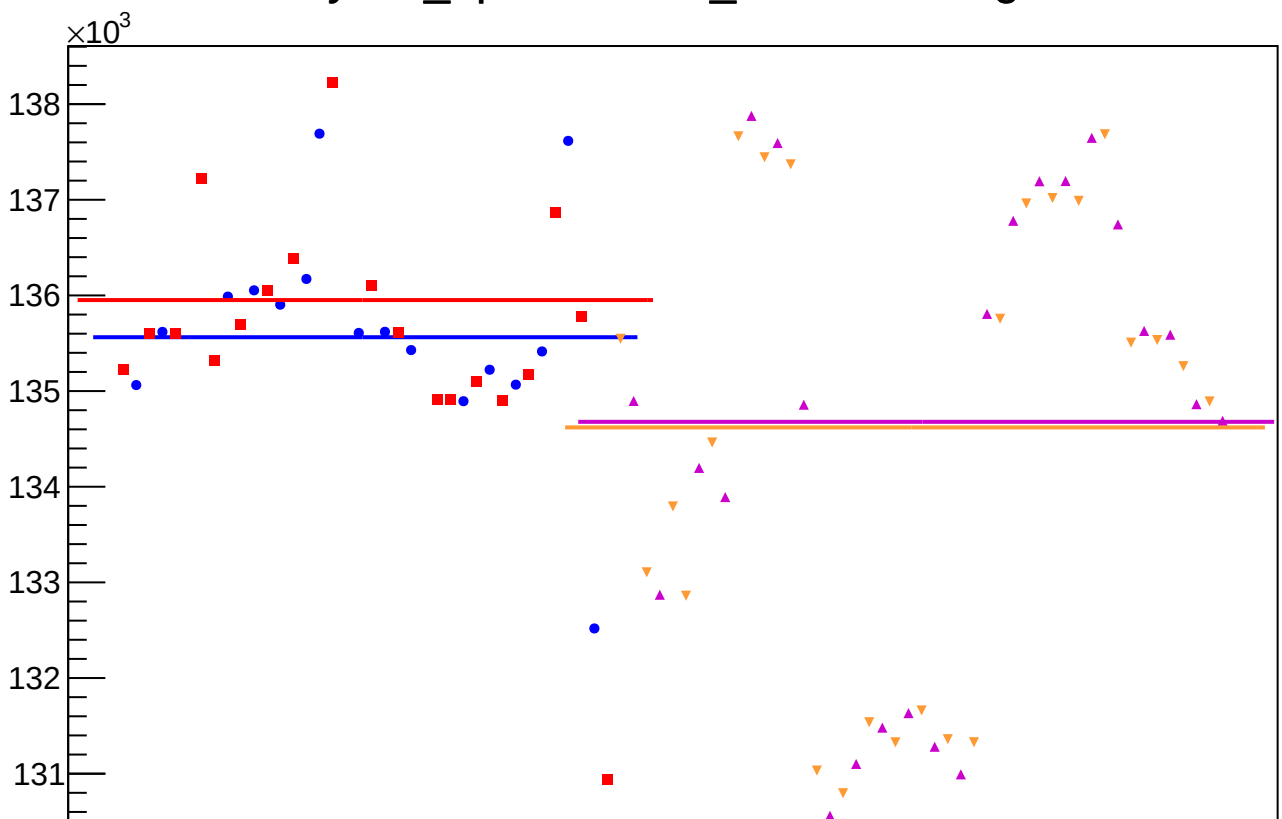
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

\+ sign 286.008+/-0.041 χ^2/NDF: 2108232.0/39

All: 287.385+/-0.029 χ^2/NDF: 4321387.7/81

\- sign 288.827+/-0.042 χ^2/NDF: 2210832.0/41



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

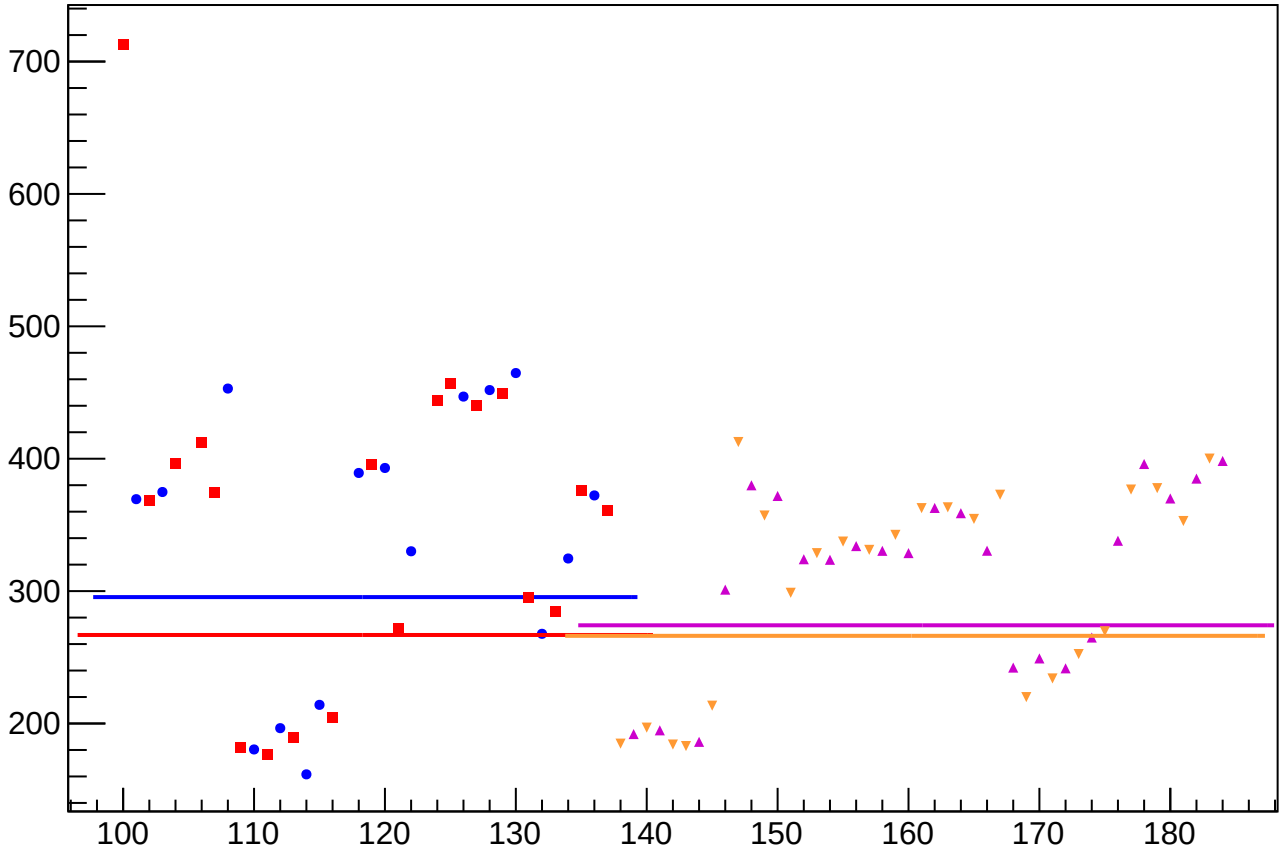
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134832.930+/-0.056 χ^2/NDF: 1344775030.5

All: 134935.432+/-0.040 χ^2/NDF: 26419916

- sign 135039.367+/-0.057 χ^2/NDF: 1290525179.3/

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

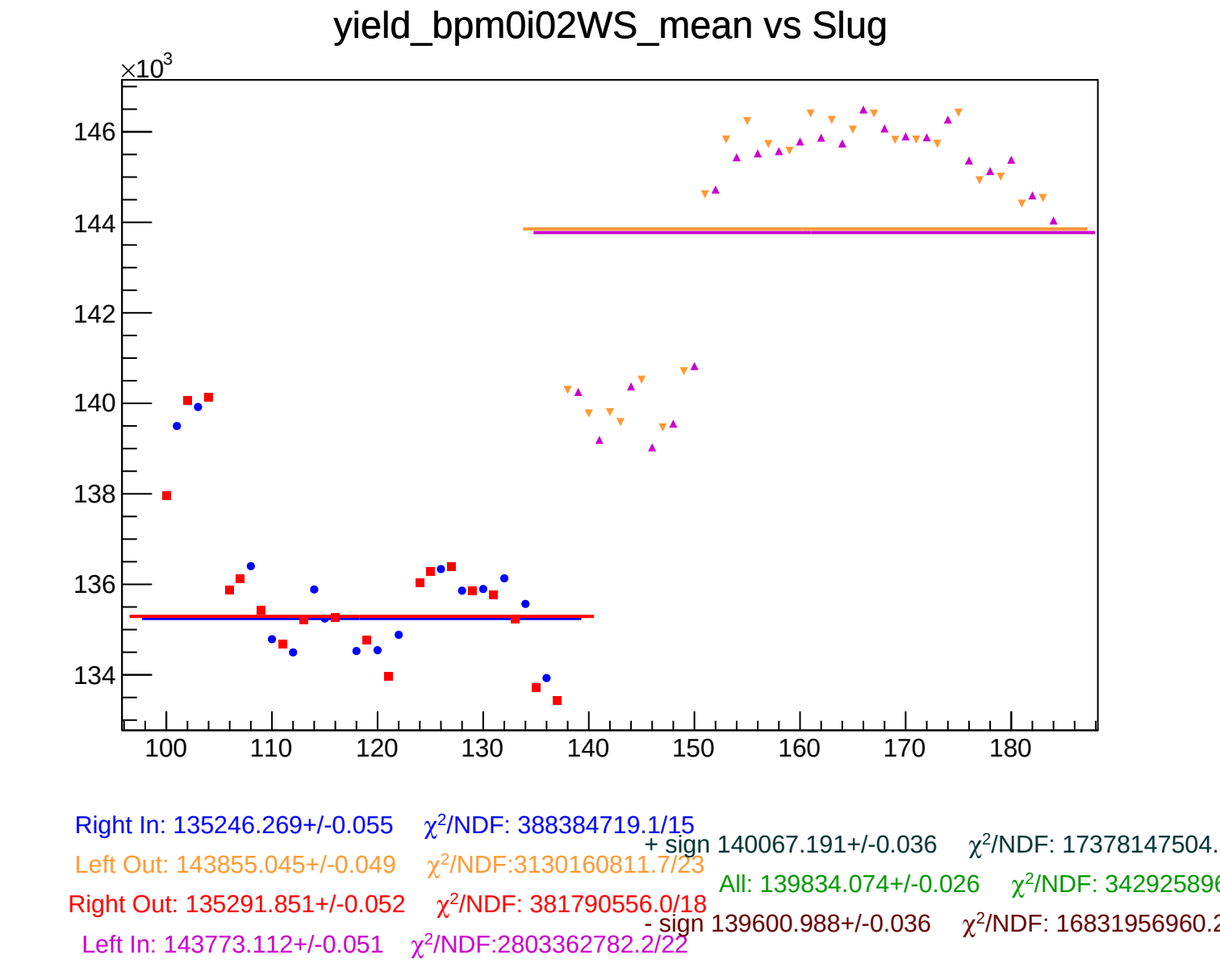
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

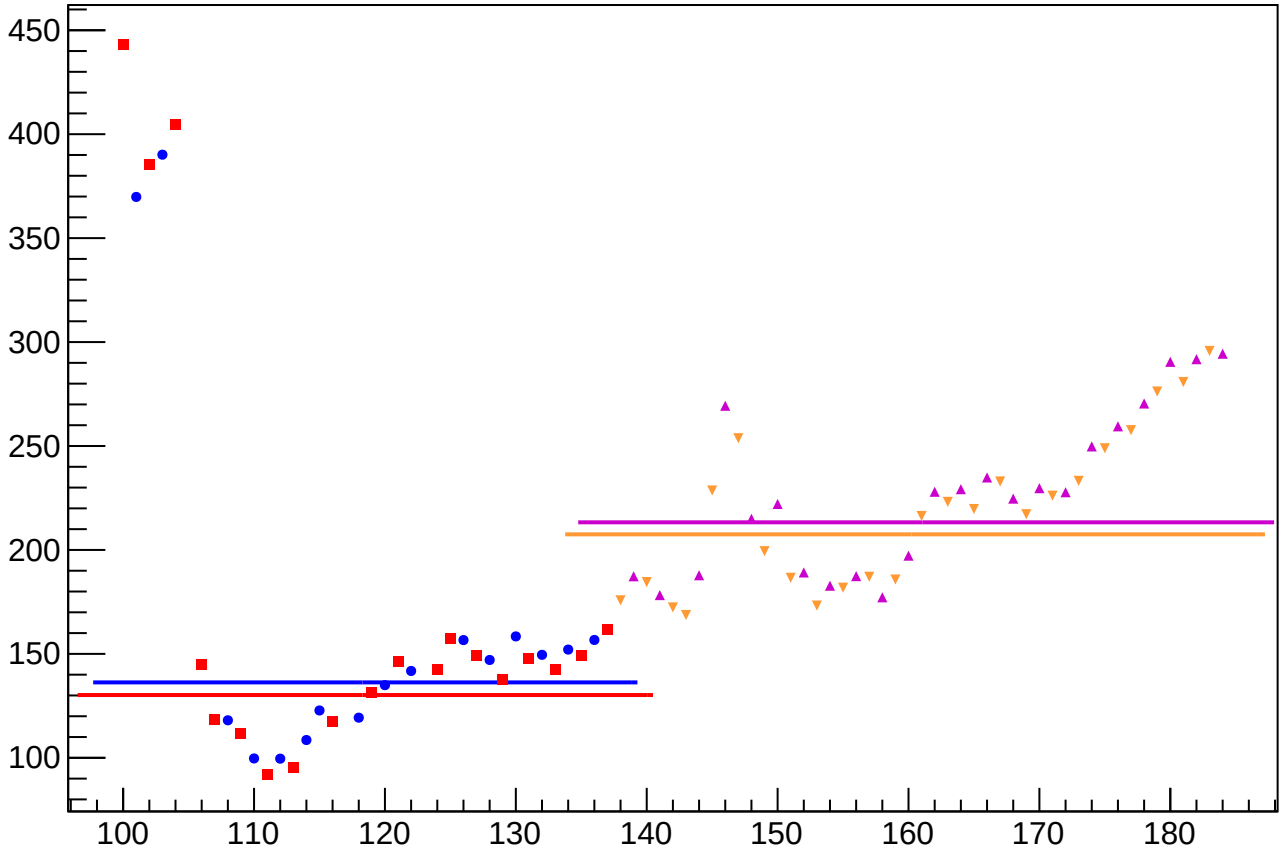
+ sign 272.827+/-0.040 χ^2/NDF: 4318231.9/39

All: 272.468+/-0.028 χ^2/NDF: 8240000.8/81

- sign 272.104+/-0.040 χ^2/NDF: 3921604.8/41


yield_bpm0i02WS_mean vs Slug
×10^3
146
144
142
140
138
136
134
100
110
120
130
140
150
160
170
180
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 143855.045+/-0.049 χ²/NDF:3130160811.7/23
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
+ sign 140067.191+/-0.036 χ²/NDF: 17378147504.
All: 139834.074+/-0.026 χ²/NDF: 34292589
- sign 139600.988+/-0.036 χ²/NDF: 16831956960.2

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

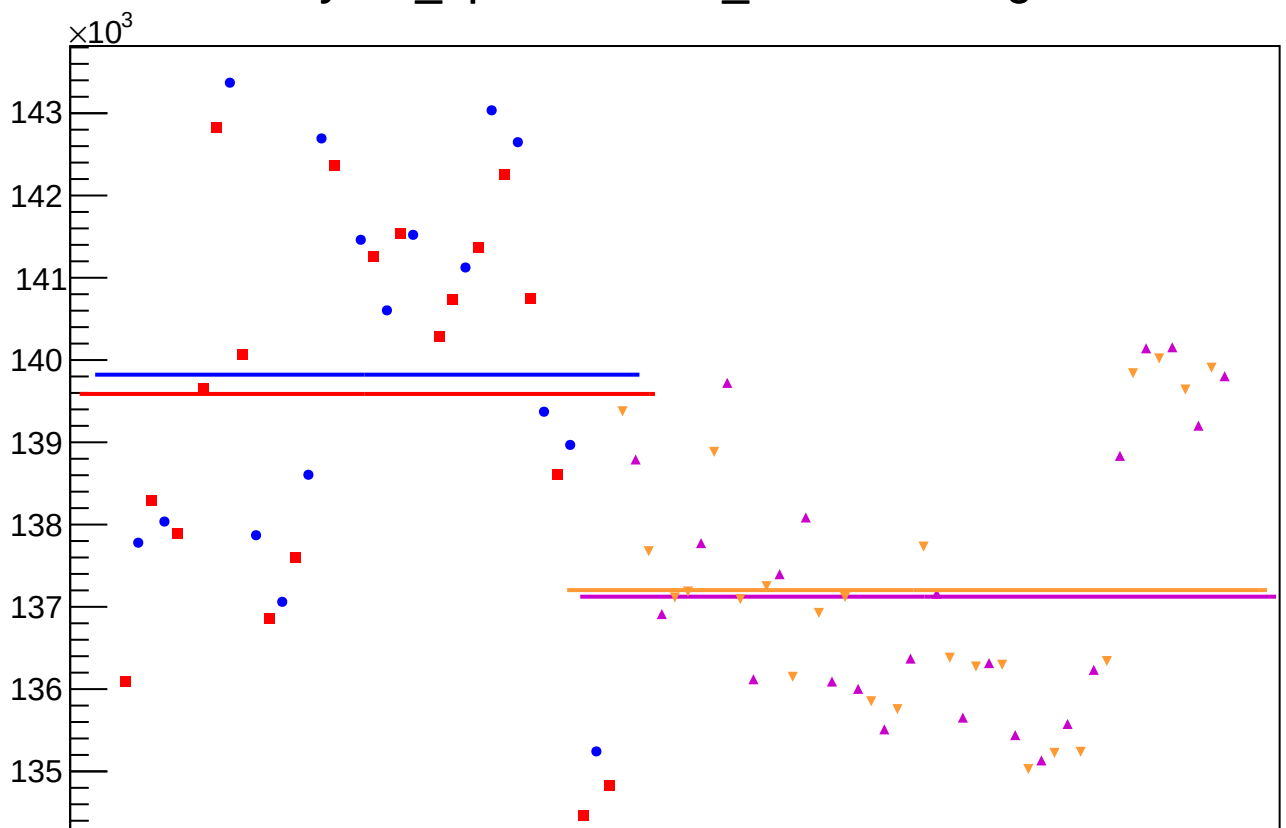
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 176.164+/-0.026 χ^2/NDF: 4230079.2/39

All: 174.291+/-0.018 χ^2/NDF: 9246203.6/81

- sign 172.418+/-0.026 χ^2/NDF: 5005471.2/41



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

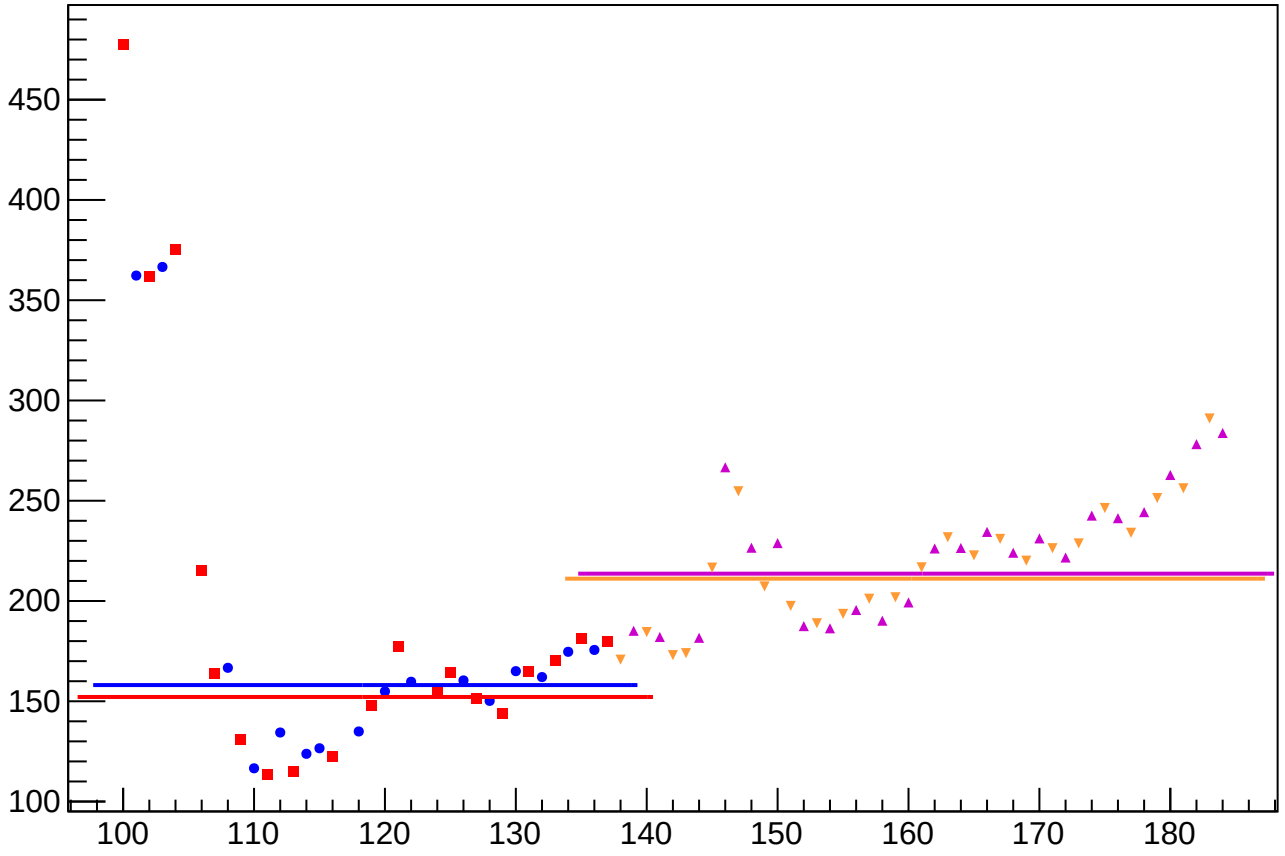
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138204.361+/-0.039 χ^2/NDF: 3616937993.8

All: 138182.461+/-0.027 χ^2/NDF: 6947023

- sign 138160.509+/-0.039 χ^2/NDF: 3329622995.2/

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

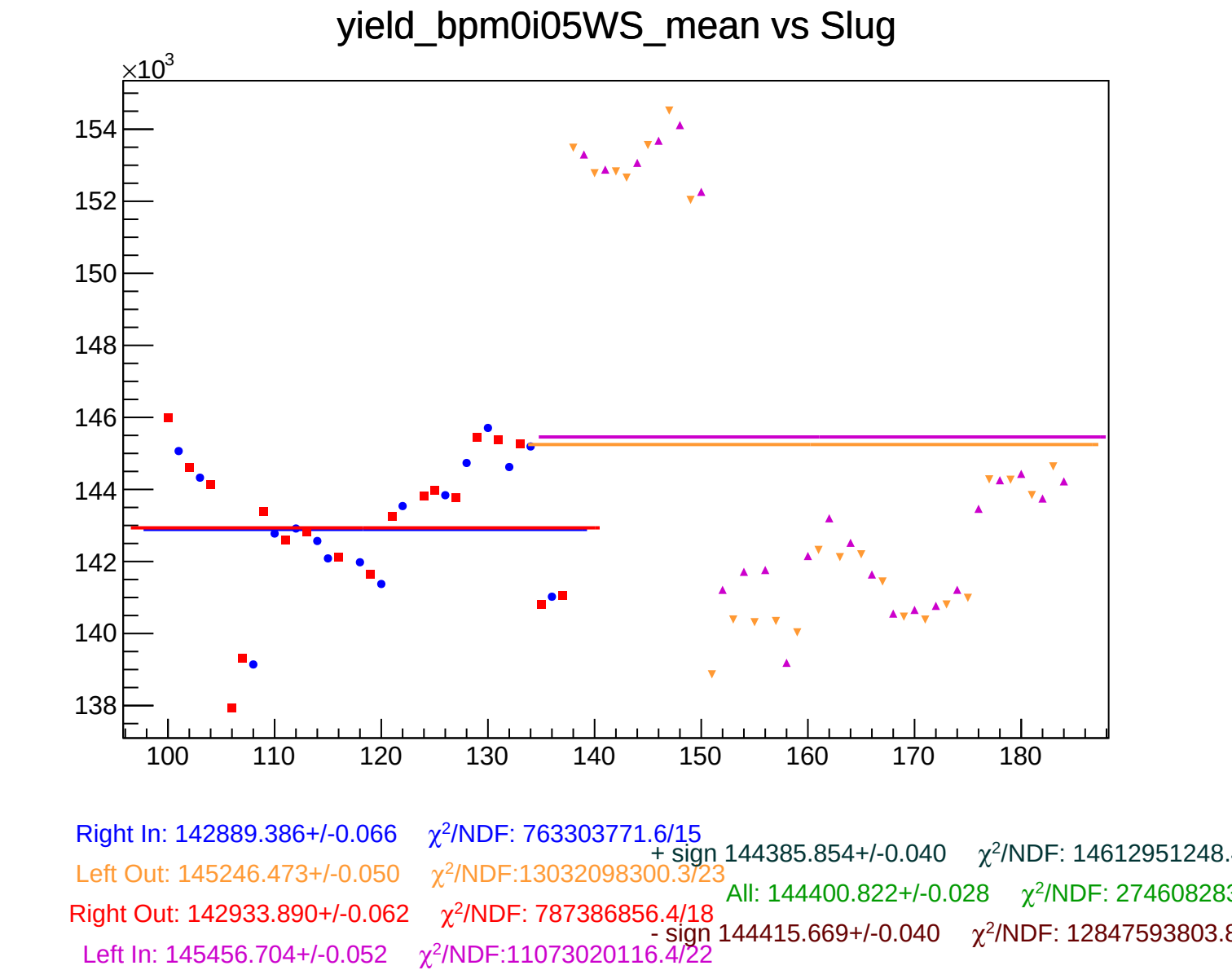
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

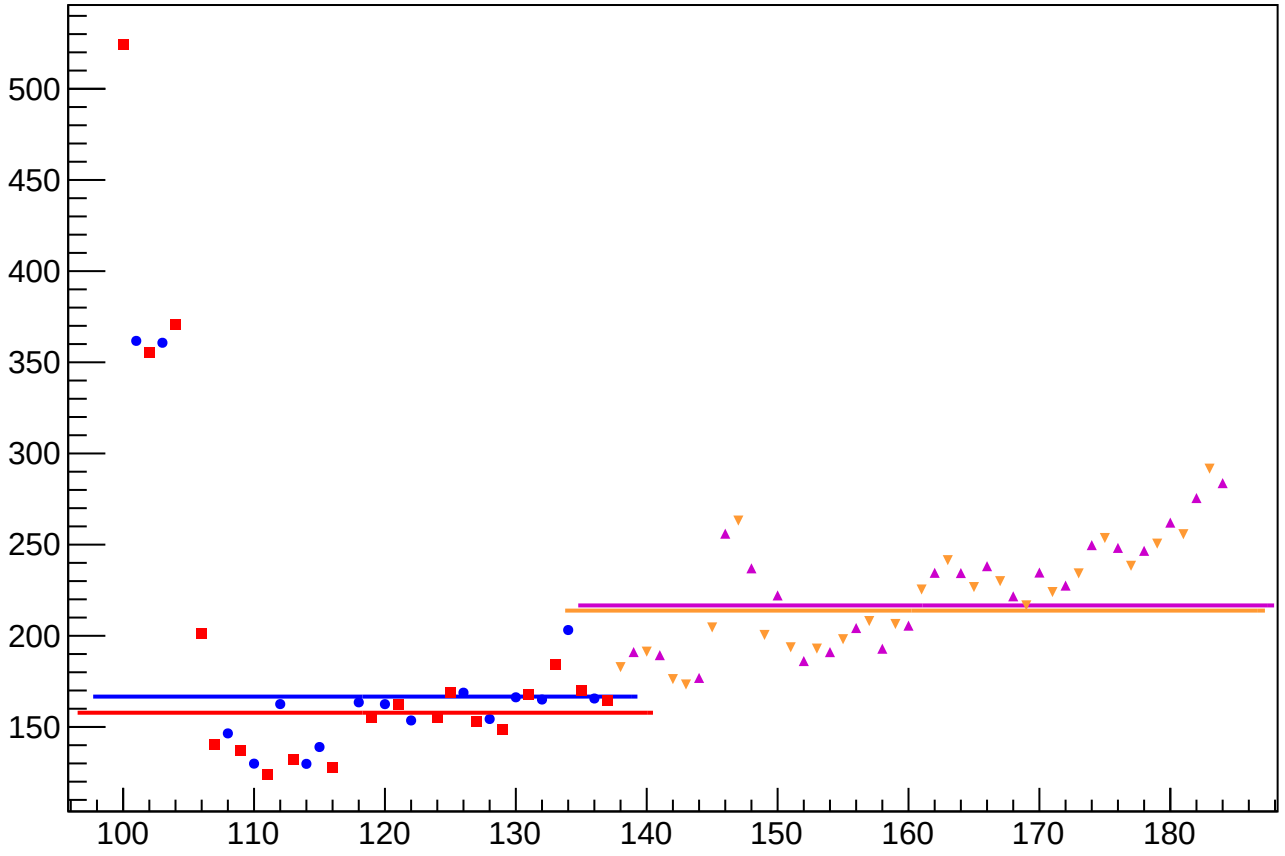
+ sign 190.858+/-0.027 χ^2/NDF: 2544929.7/39

All: 189.312+/-0.019 χ^2/NDF: 5630032.5/81

- sign 187.762+/-0.027 χ^2/NDF: 3078707.6/41


yield_bpm0i05WS_mean vs Slug
×10^3
154
152
150
148
146
144
142
140
138
100
110
120
130
140
150
160
170
180
Right In: 142889.386+/-0.066 χ²/NDF: 763303771.6/15
Left Out: 145246.473+/-0.050 χ²/NDF:13032098300.3/23
Right Out: 142933.890+/-0.062 χ²/NDF: 787386856.4/18
Left In: 145456.704+/-0.052 χ²/NDF:11073020116.4/22
+ sign 144385.854+/-0.040 χ²/NDF: 14612951248.
All: 144400.822+/-0.028 χ²/NDF: 27460283
- sign 144415.669+/-0.040 χ²/NDF: 12847593803.8

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

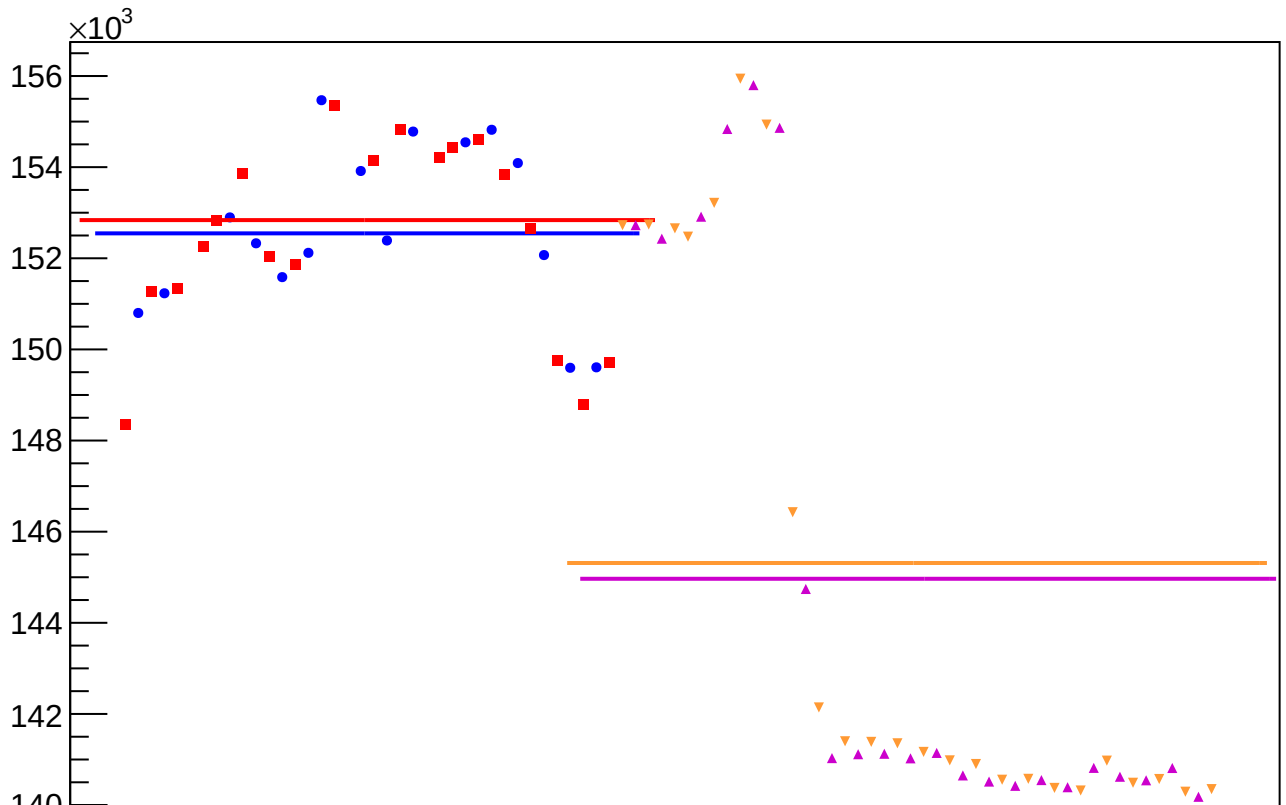
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 196.599+/-0.028 χ^2/NDF: 2127224.7/39

All: 194.477+/-0.020 χ^2/NDF: 4822307.7/81

- sign 192.372+/-0.028 χ^2/NDF: 2683691.9/41



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

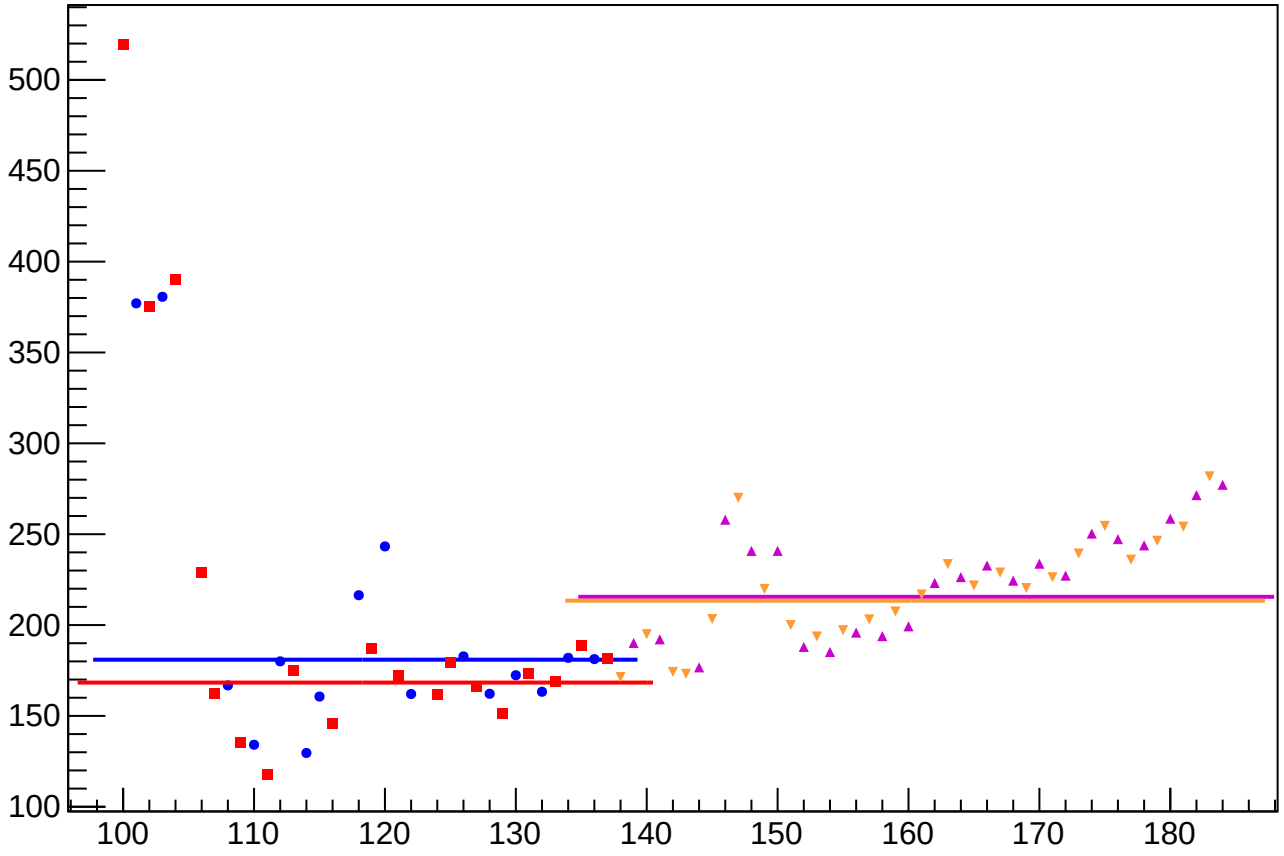
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147613.428+/-0.041 χ^2/NDF: 21035963446.4

All: 147751.562+/-0.029 χ^2/NDF: 43719493

- sign 147887.390+/-0.041 χ^2/NDF: 22660963215.2

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

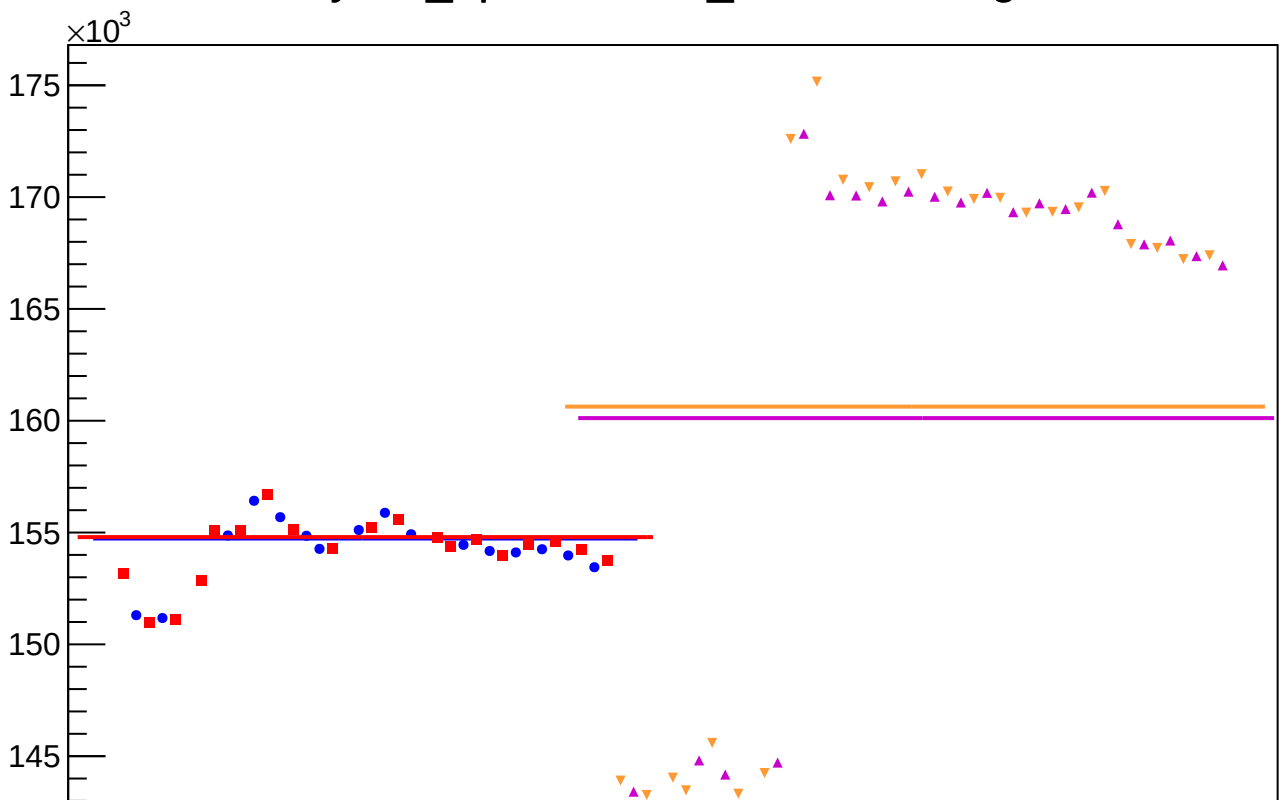
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.086+/-0.029 χ^2/NDF: 1802073.5/39

All: 200.535+/-0.020 χ^2/NDF: 4137478.4/81

- sign 198.027+/-0.029 χ^2/NDF: 2320015.1/41



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

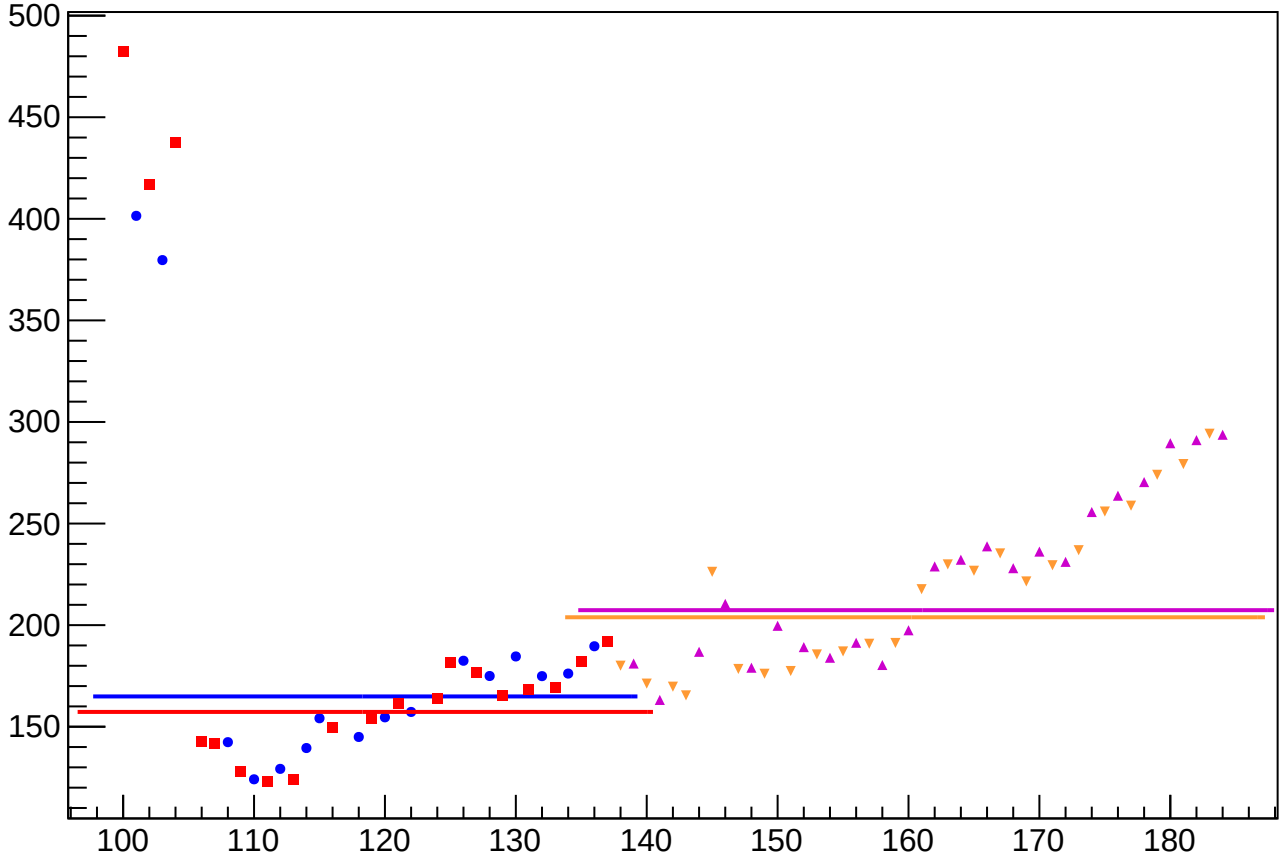
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 158583.318+/-0.038 χ^2/NDF: 79651493843.

All: 158297.823+/-0.027 χ^2/NDF: 15120969

- sign 158012.533+/-0.038 χ^2/NDF: 71447794920.7

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

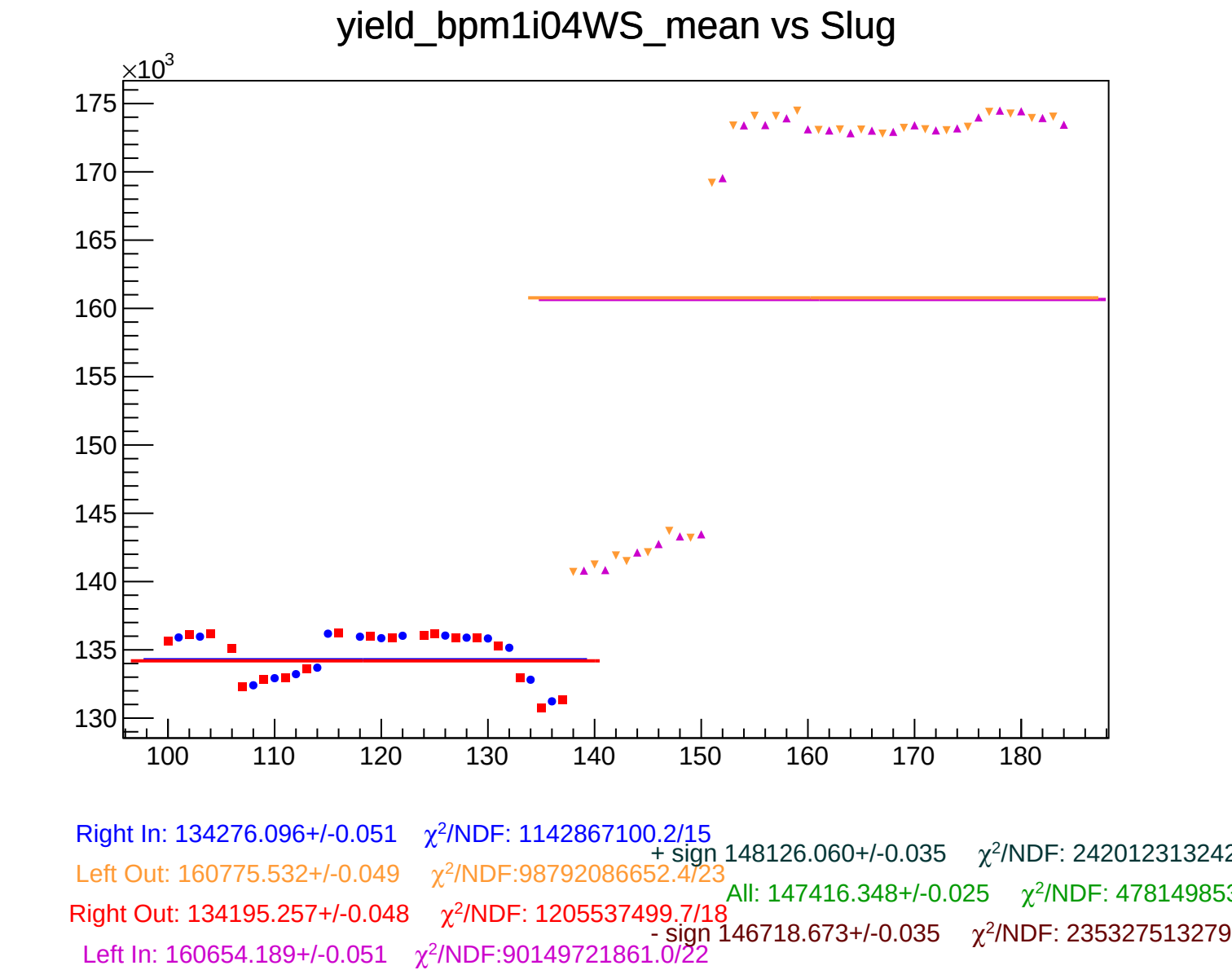
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

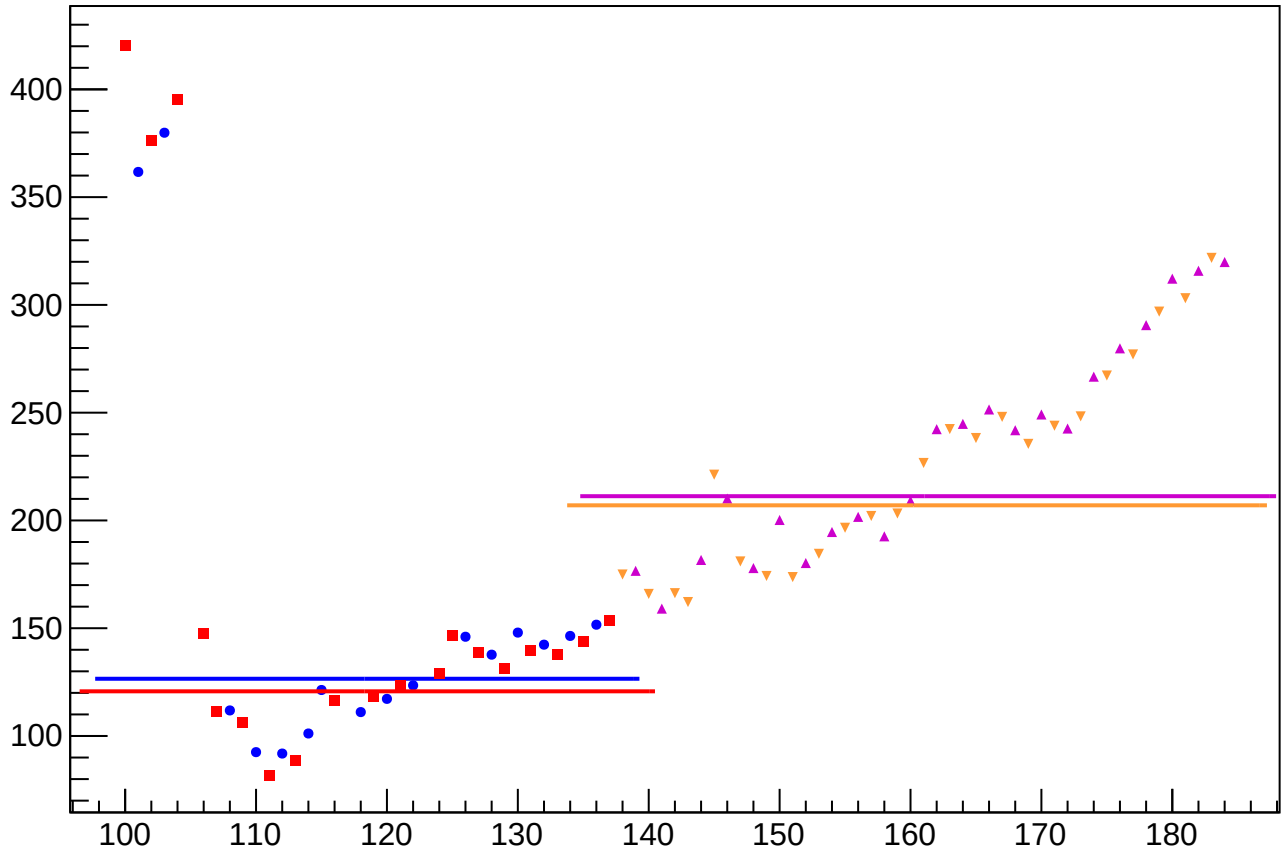
Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 190.341+/-0.027 χ^2/NDF: 2564854.5/39

All: 188.949+/-0.019 χ^2/NDF: 5594840.3/81

- sign 187.557+/-0.027 χ^2/NDF: 3024733.9/41


yield_bpm1i04WS_mean vs Slug
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
170
180
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 160775.532+/-0.049 χ²/NDF:98792086652.4723
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 160654.189+/-0.051 χ²/NDF:90149721861.0/22
+ sign 148126.060+/-0.035 χ²/NDF: 242012313242
All: 147416.348+/-0.025 χ²/NDF: 47814985
- sign 146718.673+/-0.035 χ²/NDF: 235327513279



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 207.017+/-0.034 χ^2/NDF:1435645.1/23

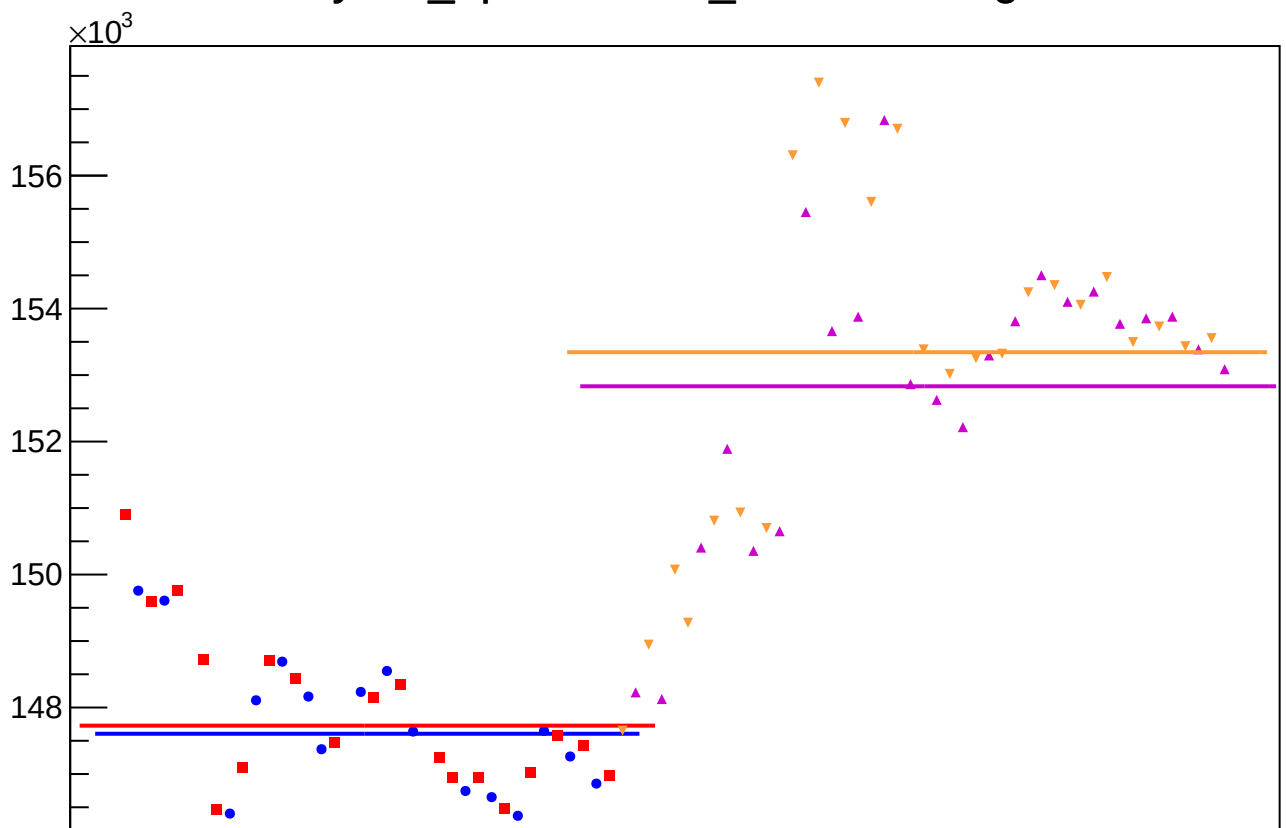
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 168.606+/-0.025 χ^2/NDF: 5533095.8/39

All: 166.068+/-0.017 χ^2/NDF: 11863300.1/81

- sign 163.573+/-0.025 χ^2/NDF: 6309481.5/41



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

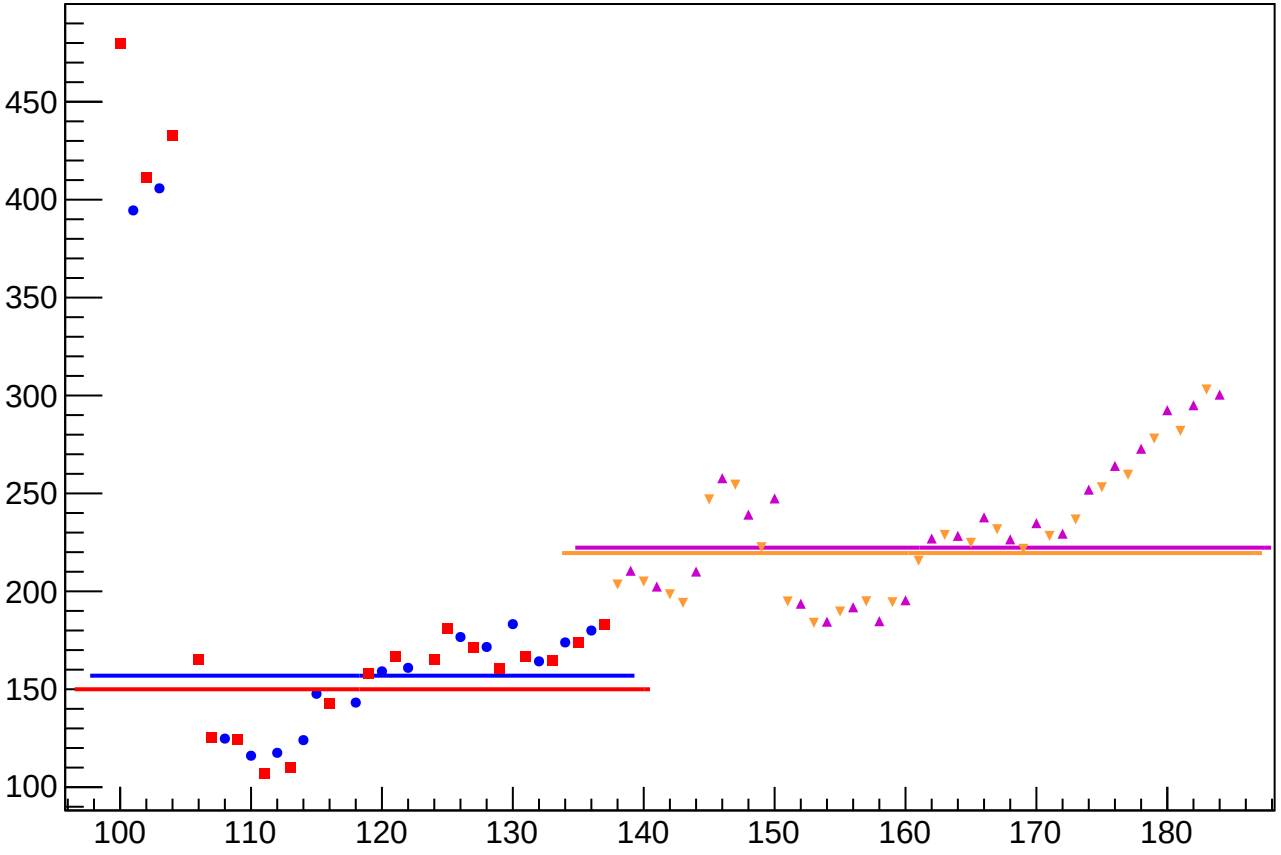
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151049.787+/-0.040 χ^2/NDF: 8242714384.4

All: 150803.188+/-0.028 χ^2/NDF: 14590095

- sign 150558.784+/-0.039 χ^2/NDF: 6269782279.4/

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: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 194.514+/-0.028 χ^2/NDF: 3118706.9/39

All: 192.300+/-0.020 χ^2/NDF: 6953059.1/81

- sign 190.106+/-0.028 χ^2/NDF: 3821843.0/41

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

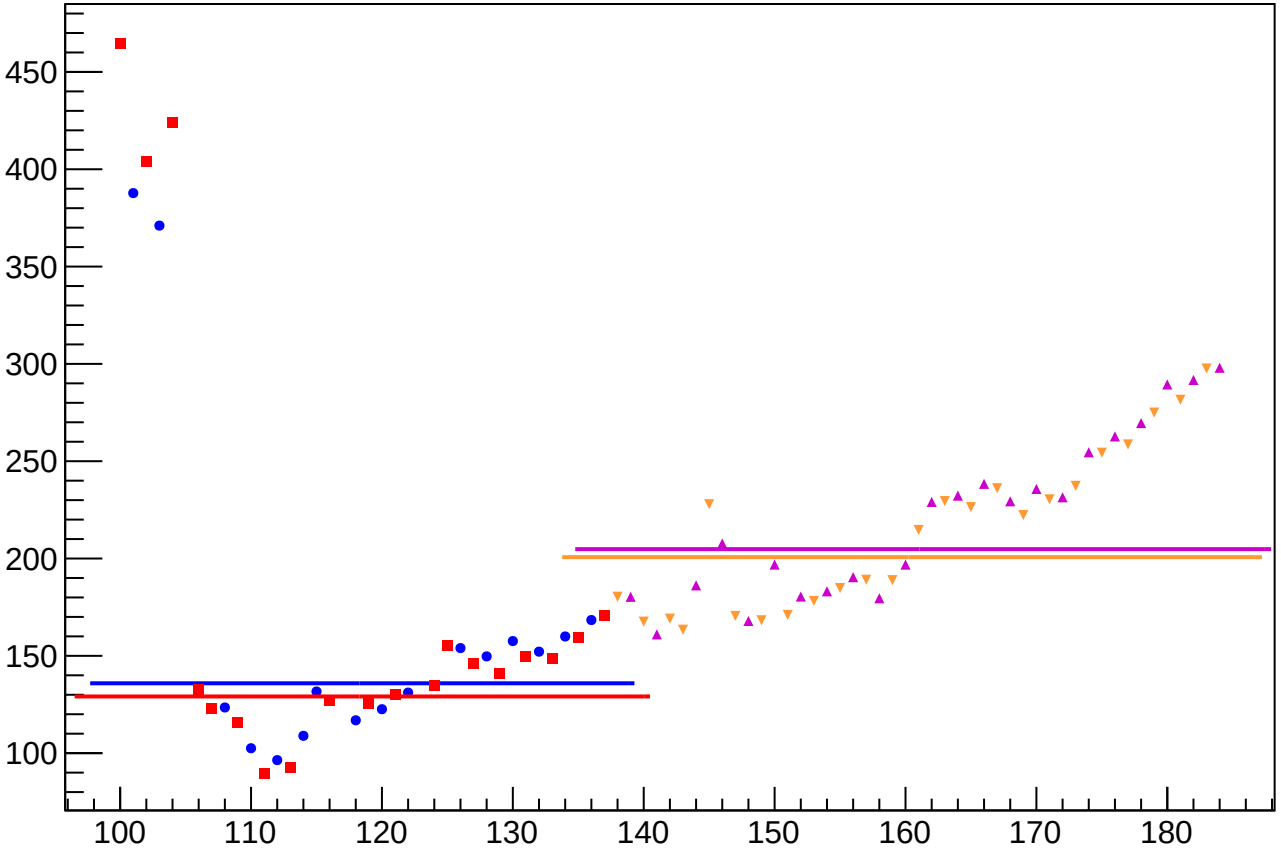
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160223.643+/-0.036 χ^2/NDF: 11397993909

All: 159732.979+/-0.025 χ^2/NDF: 2253888

- sign 159250.353+/-0.035 χ^2/NDF: 111031536020

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

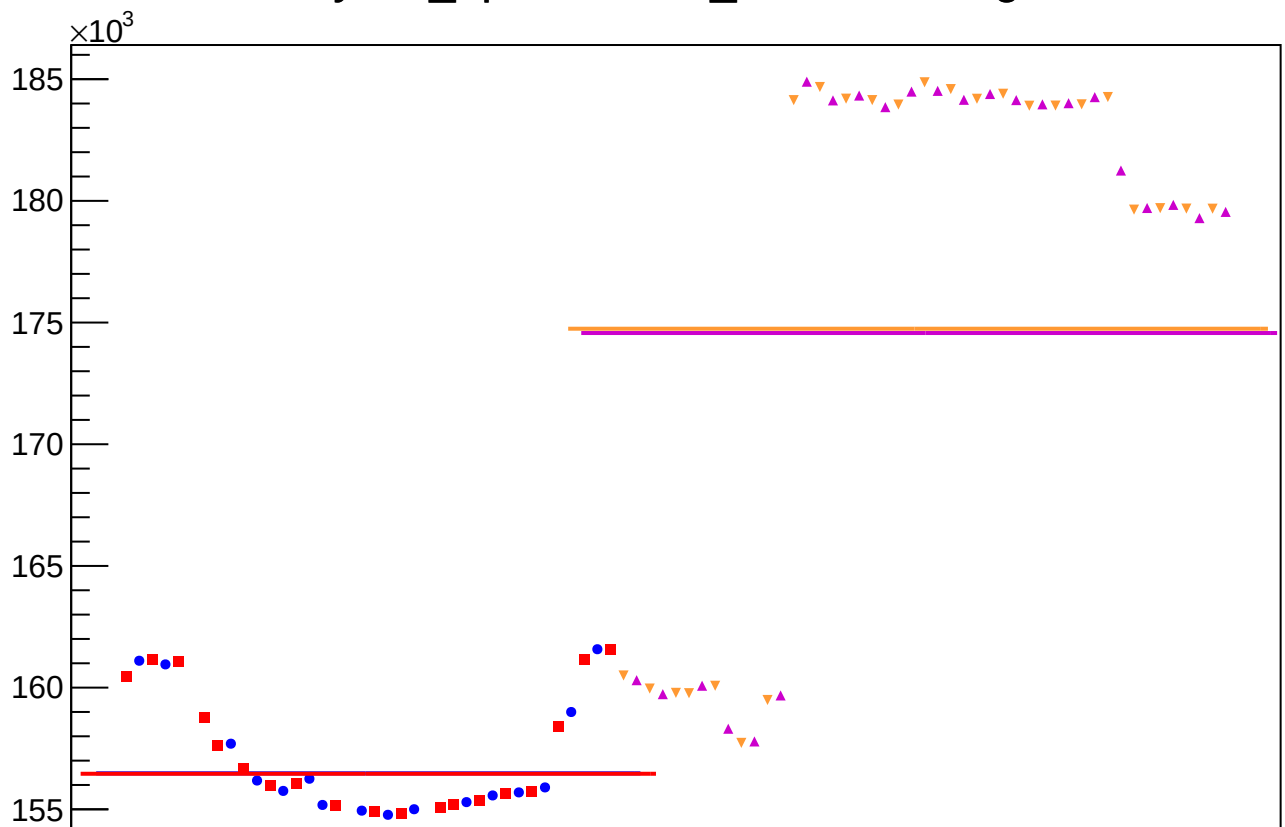
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 173.209+/-0.025 χ^2/NDF: 4213757.2/39

All: 170.875+/-0.018 χ^2/NDF: 9195970.6/81

- sign 168.578+/-0.025 χ^2/NDF: 4965124.8/41



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

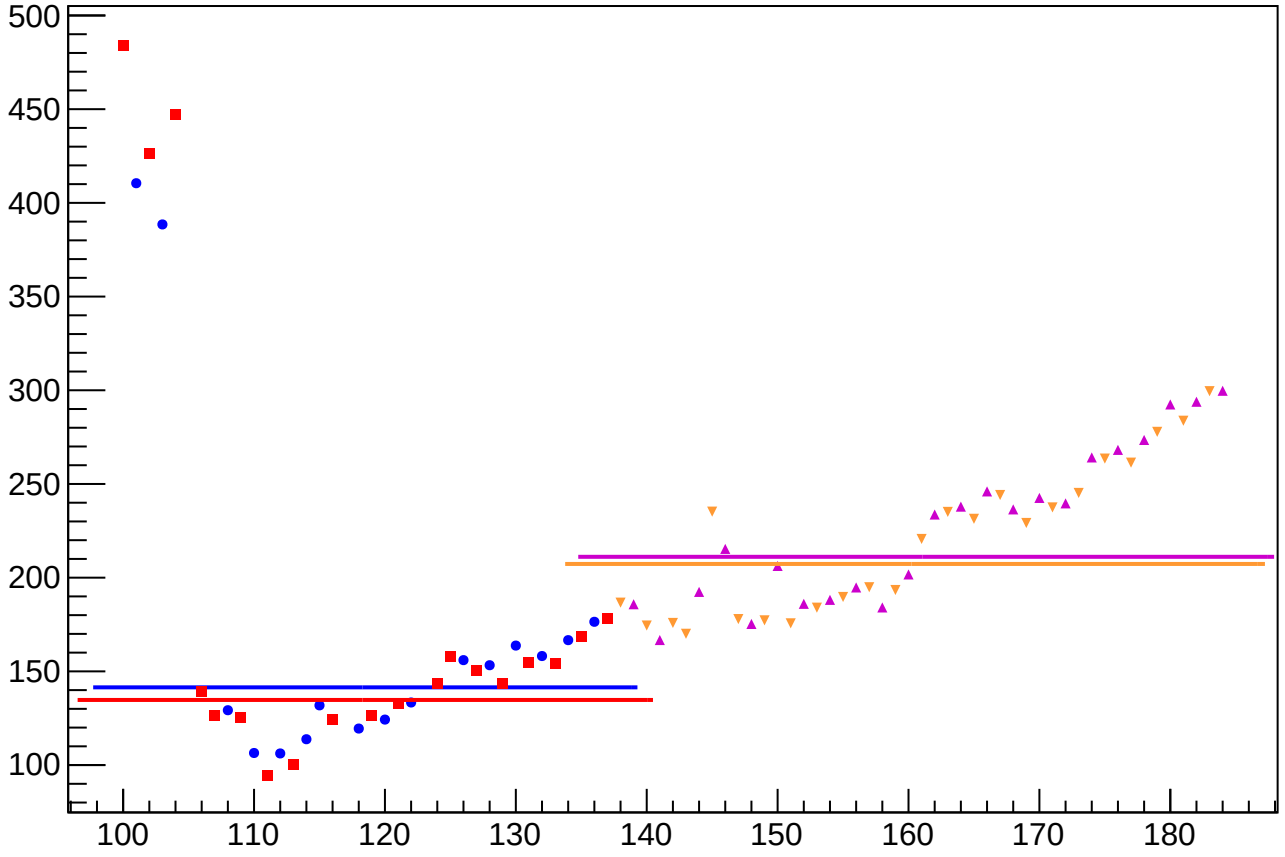
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167070.366+/-0.037 χ^2/NDF: 11929966441

All: 166532.698+/-0.026 χ^2/NDF: 2368112

- sign 166003.458+/-0.037 χ^2/NDF: 11708865852

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

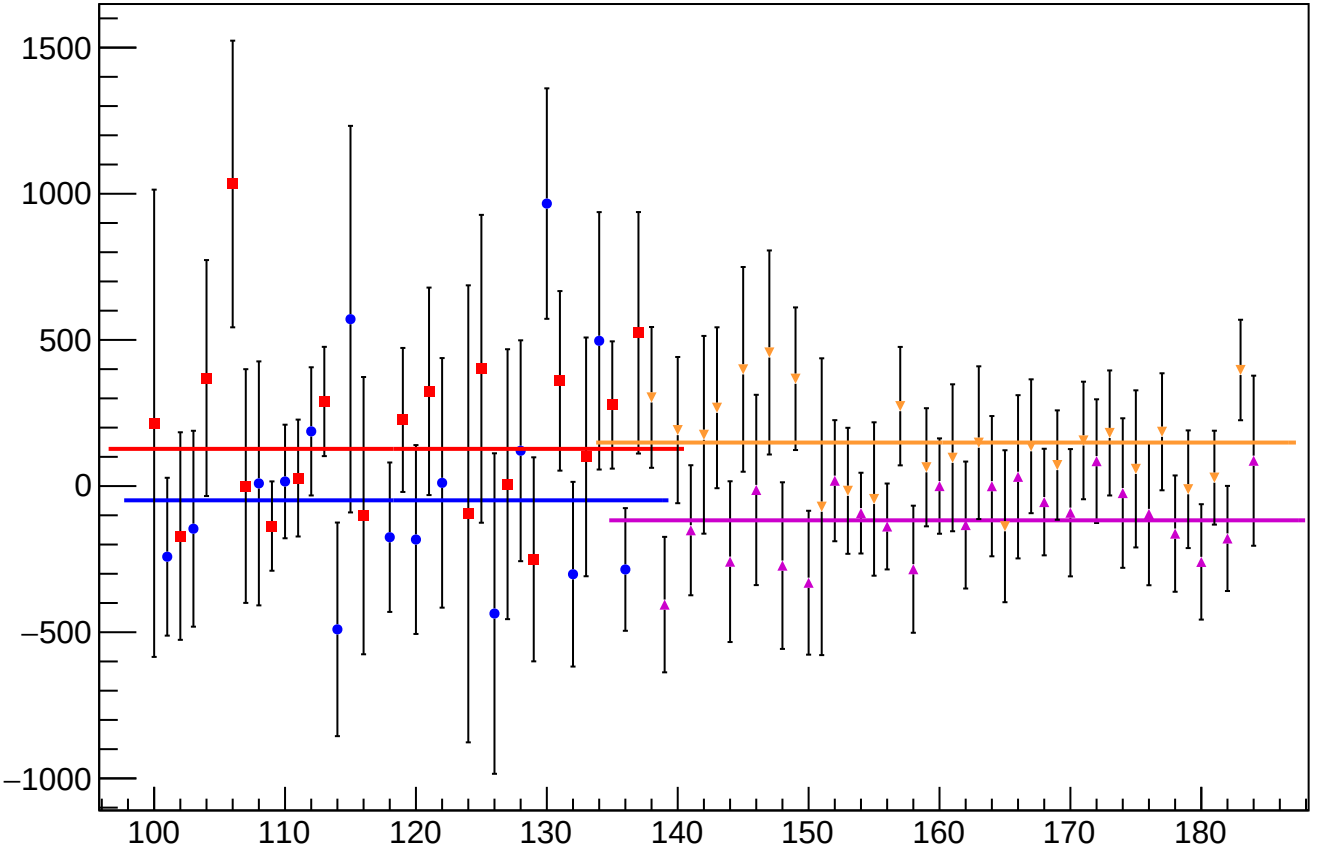
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 179.649+/-0.026 χ^2/NDF: 4032634.8/39

All: 177.305+/-0.018 χ^2/NDF: 8800330.9/81

- sign 174.999+/-0.026 χ^2/NDF: 4751629.4/41

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

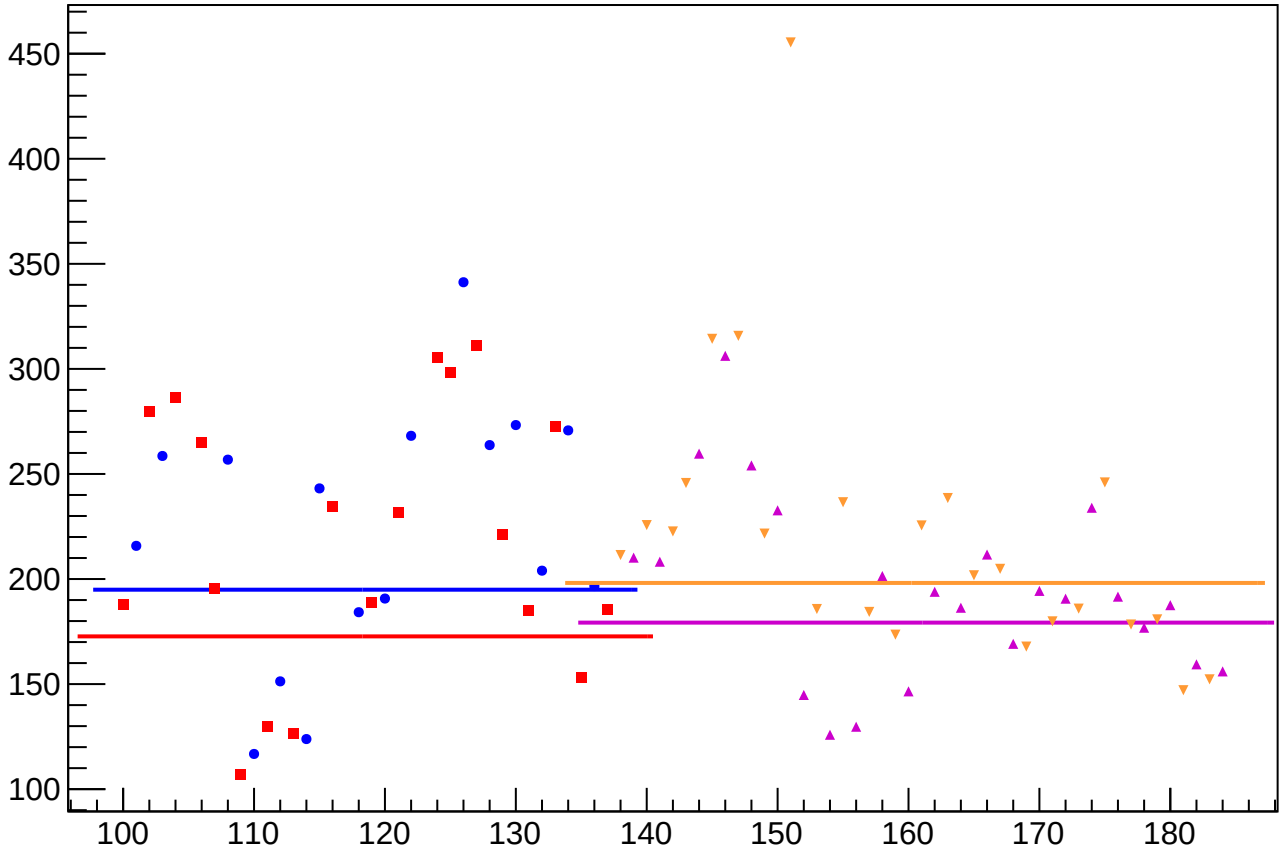
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 94.829+/-40.059 χ^2/NDF: 29.7/39

All: 18.464+/-27.136 χ^2/NDF: 65.8/81

- sign -46.293+/-36.889 χ^2/NDF: 29.4/41

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

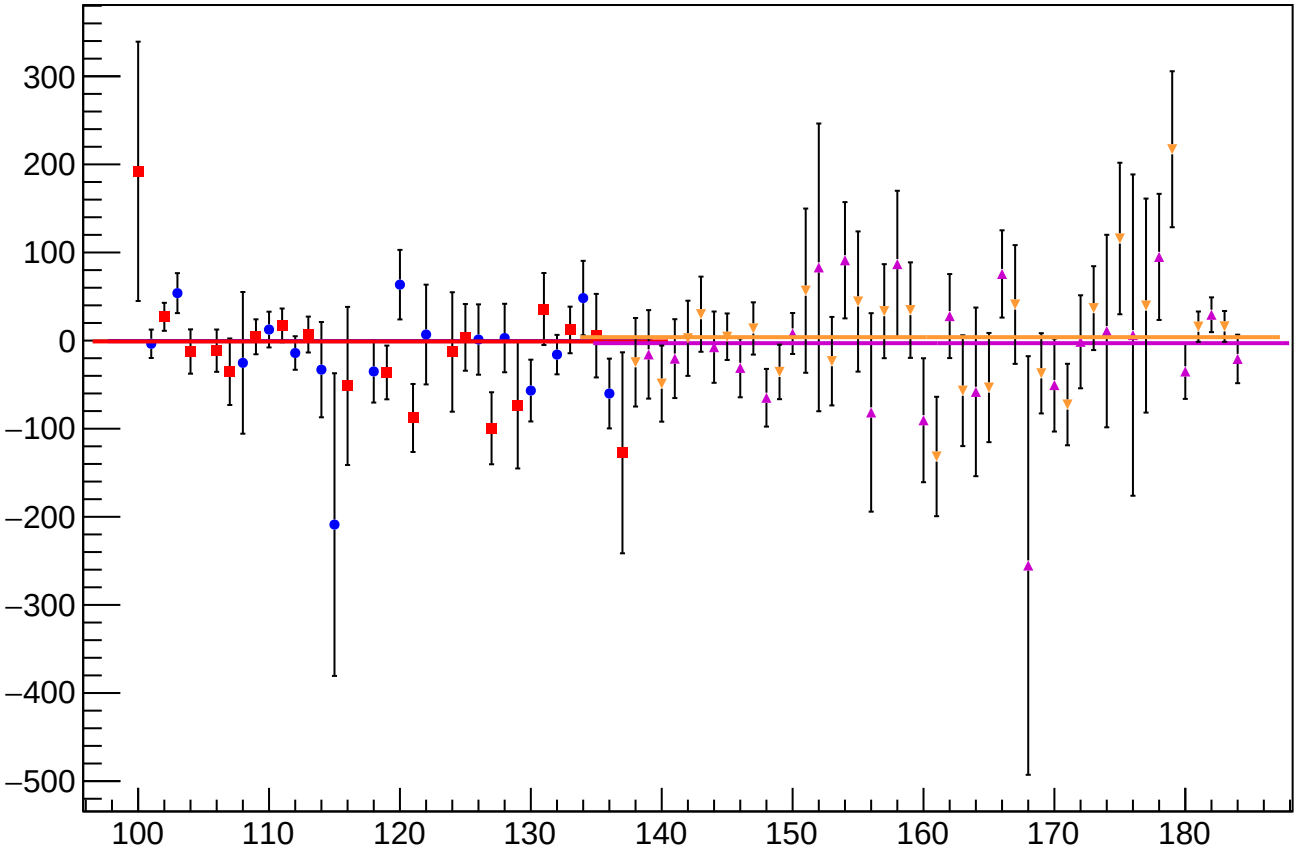
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 197.259+/-0.028 χ^2/NDF: 2790826.7/39

All: 186.489+/-0.019 χ^2/NDF: 6358355.4/81

- sign 177.356+/-0.026 χ^2/NDF: 3300363.8/41

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

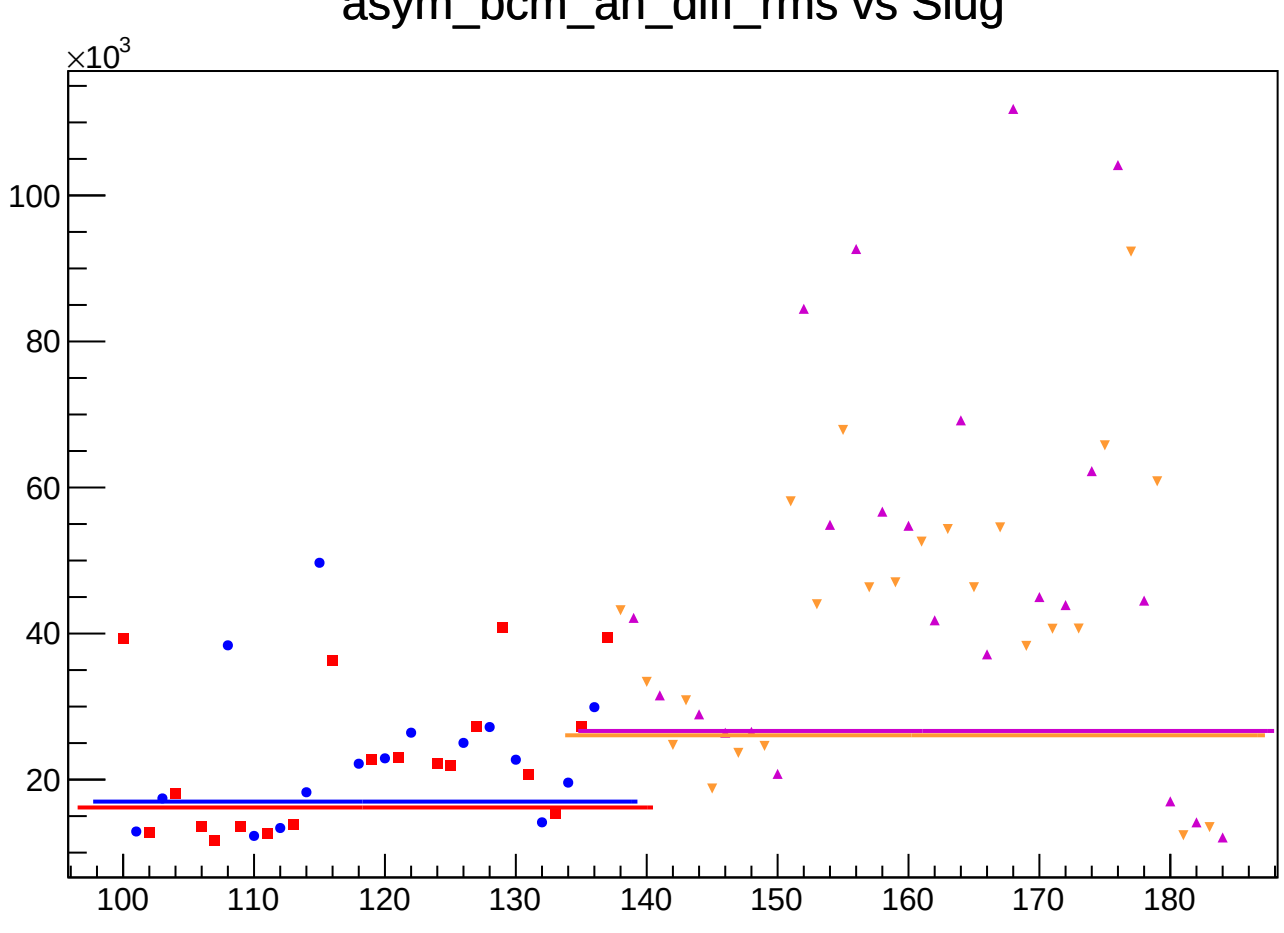
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

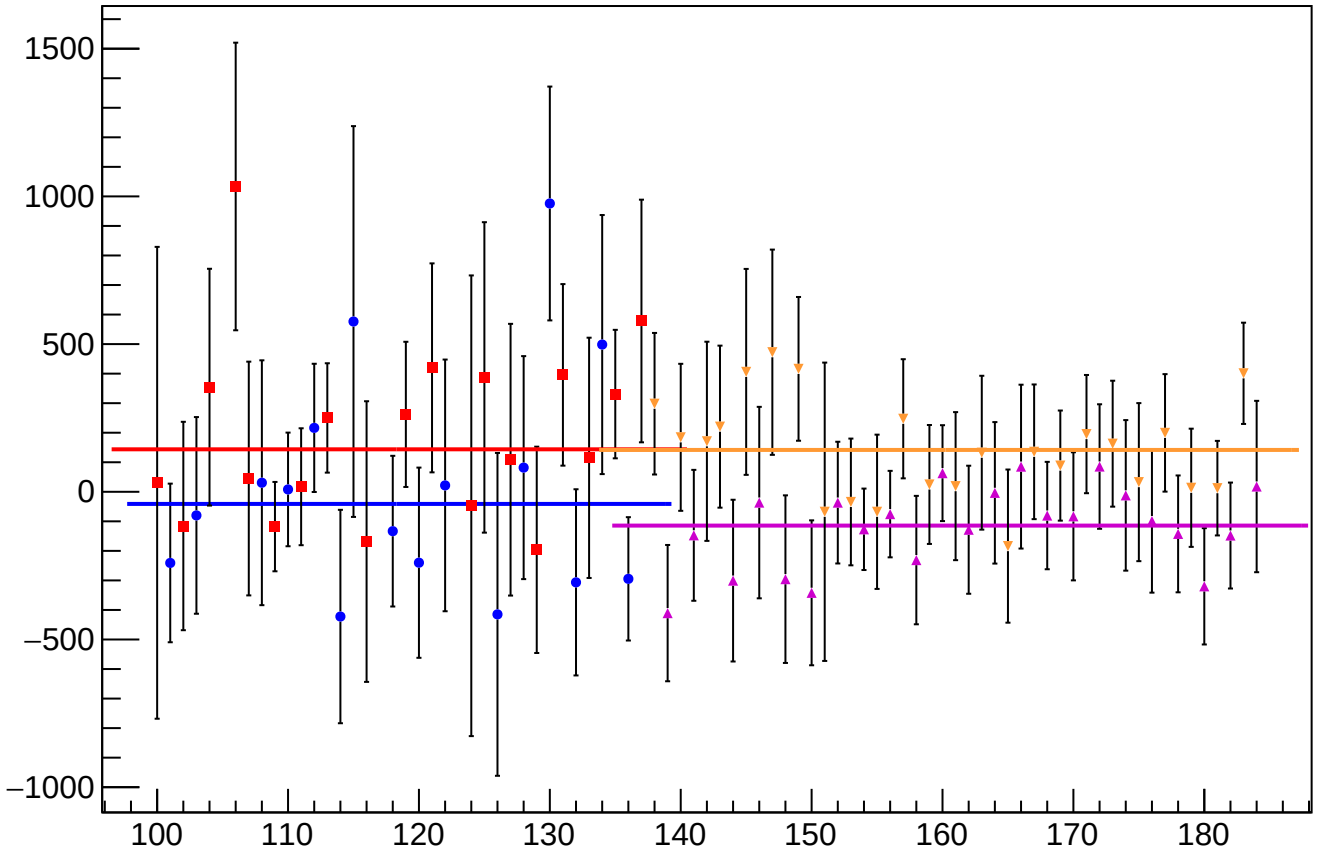
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 1.492+/-5.353 χ^2/NDF: 43.2/39

All: -0.083+/-3.792 χ^2/NDF: 87.9/81

- sign -1.669+/-5.373 χ^2/NDF: 44.6/41


asym_bcm_an_diff_rms vs Slug
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 26067.116+/-5.532 χ²/NDF:7563654.8/23
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
+ sign 21237.492+/-3.785 χ²/NDF: 10190680.6/39
All: 20647.754+/-2.682 χ²/NDF: 19146018.5
- sign 20053.540+/-3.800 χ²/NDF: 8906607.1/41



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

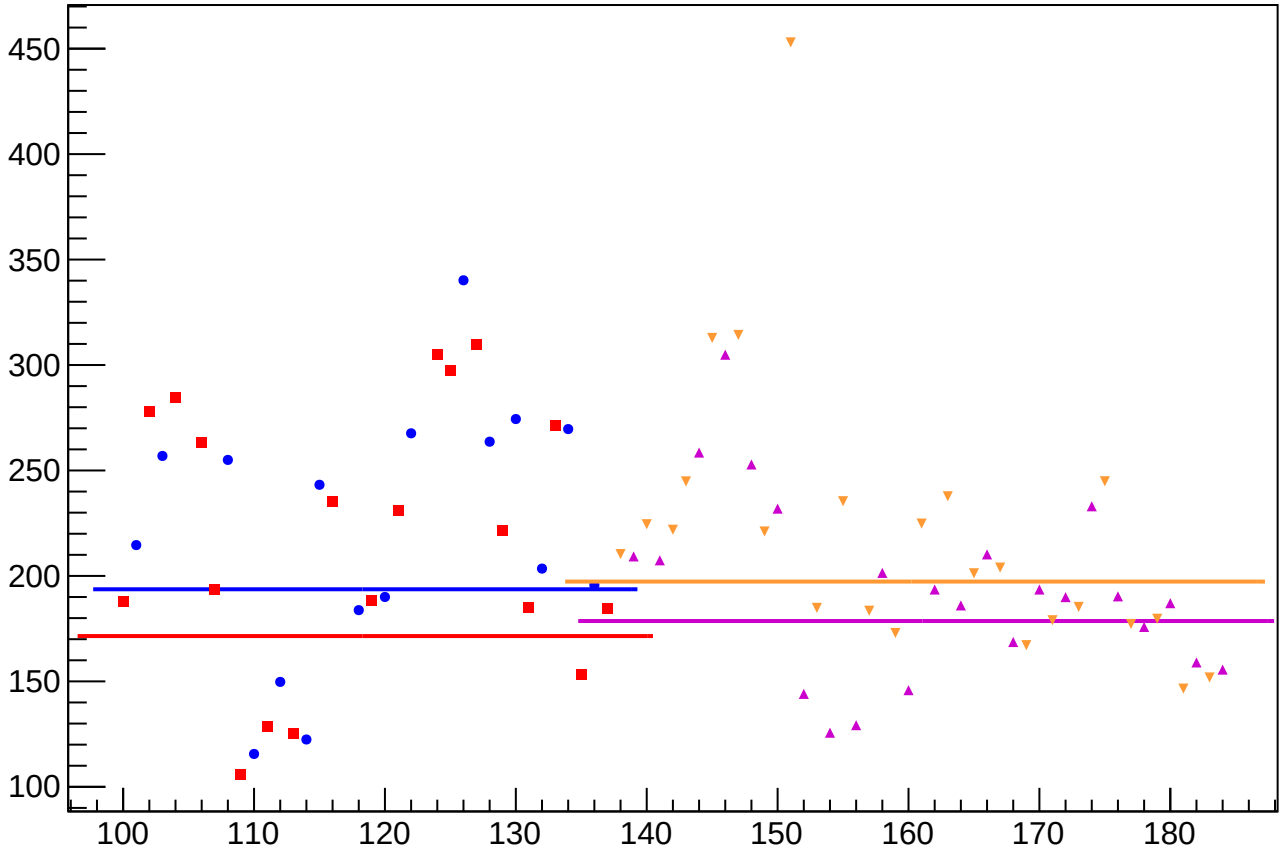
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 91.605+/-39.875 χ^2/NDF: 30.6/39

All: 20.811+/-27.015 χ^2/NDF: 68.0/81

- sign -39.249+/-36.728 χ^2/NDF: 31.6/41

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

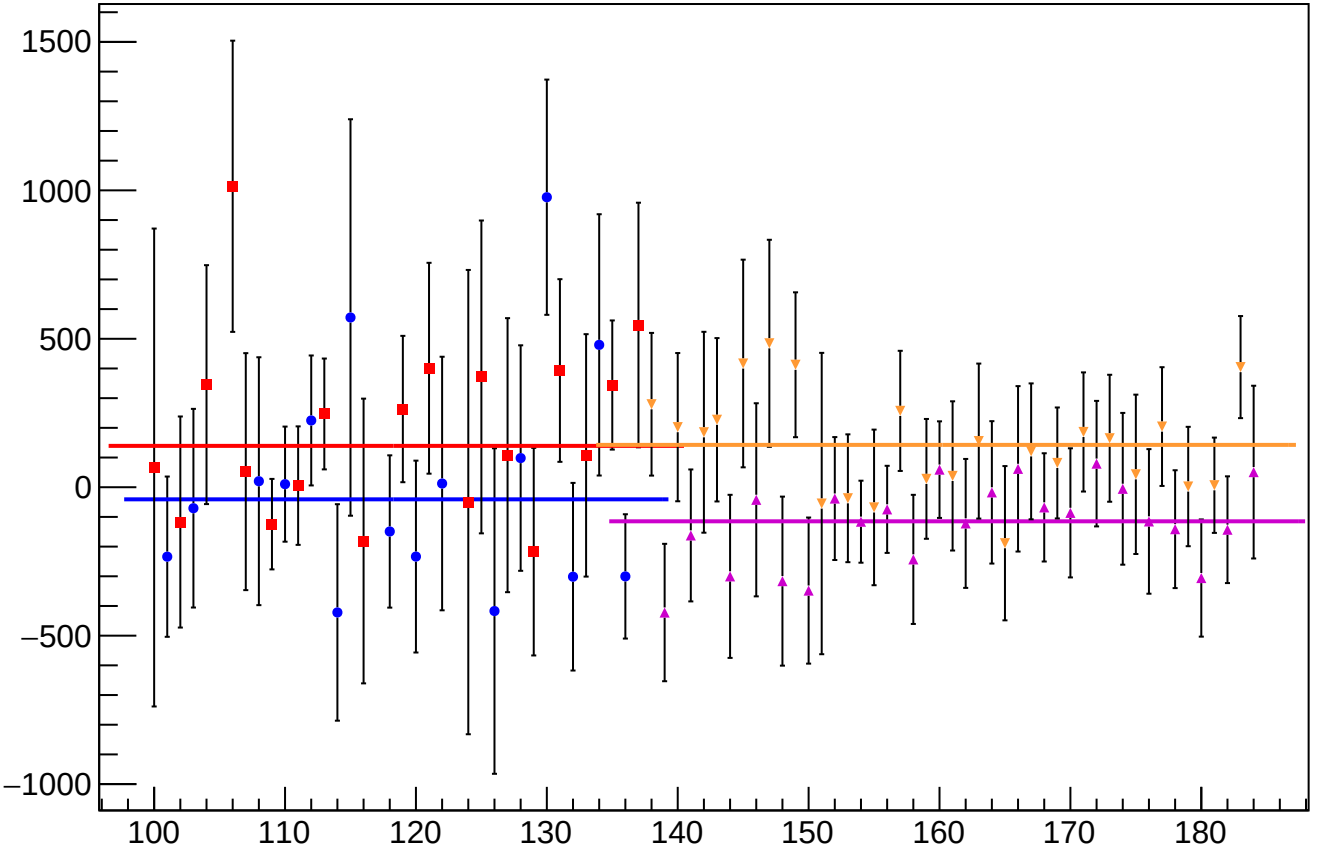
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

\+ sign 196.320+/-0.028 χ^2/NDF: 2810262.5/39

All: 185.621+/-0.019 χ^2/NDF: 6396876.9/81

\- sign 176.544+/-0.026 χ^2/NDF: 3320446.2/41

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

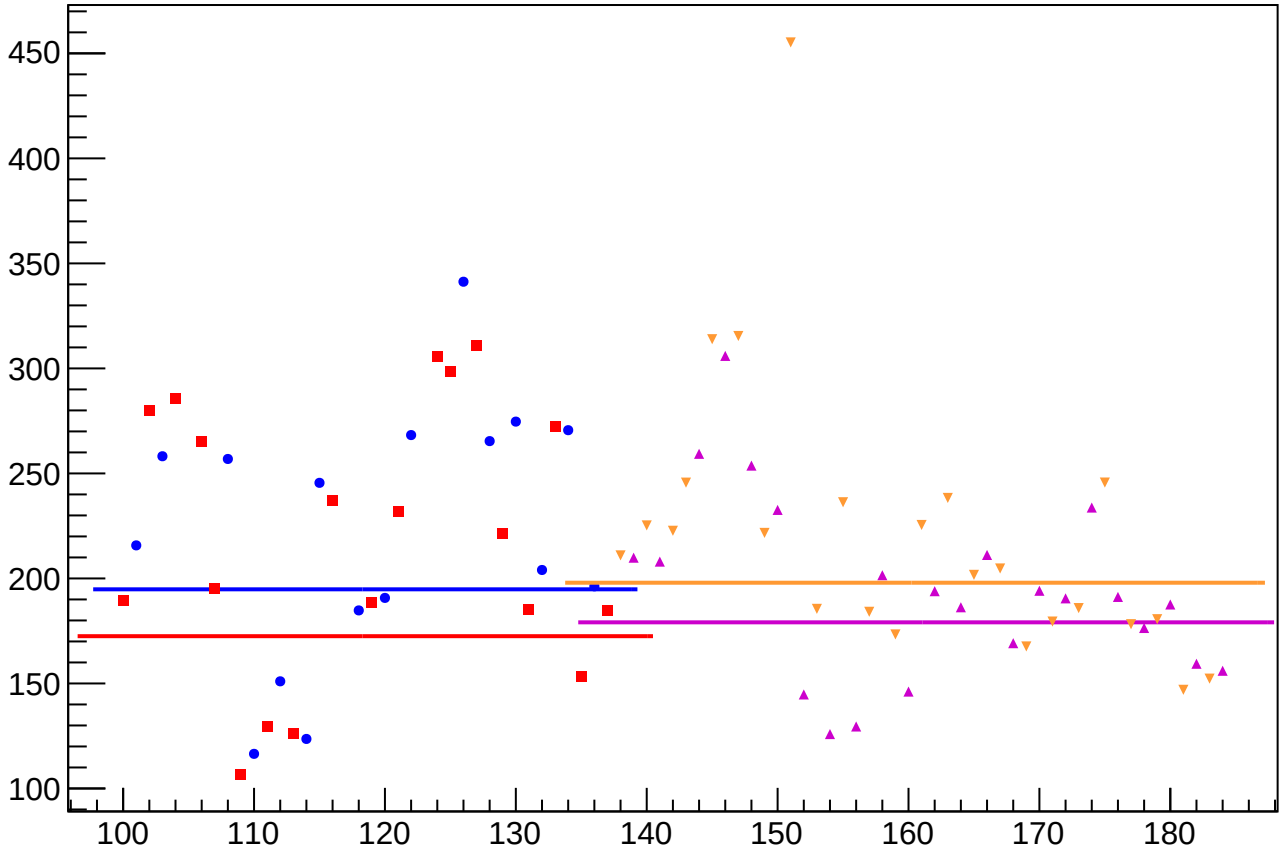
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 92.501+/-40.032 χ^2/NDF: 30.7/39

All: 20.173+/-27.116 χ^2/NDF: 67.8/81

- sign -41.147+/-36.859 χ^2/NDF: 31.1/41

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

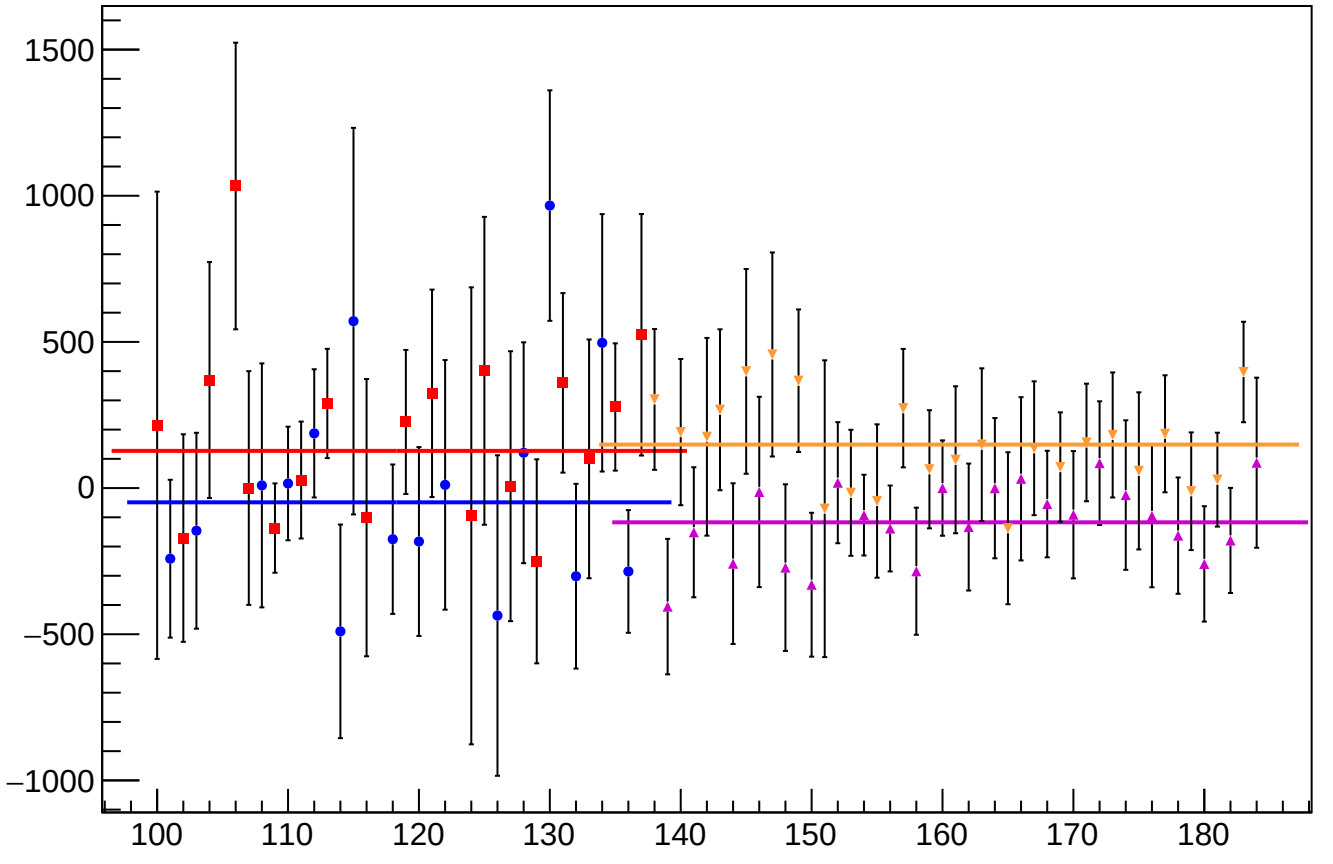
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 197.105+/-0.028 χ^2/NDF: 2800446.4/39

All: 186.327+/-0.019 χ^2/NDF: 6379455.7/81

- sign 177.189+/-0.026 χ^2/NDF: 3311101.7/41



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

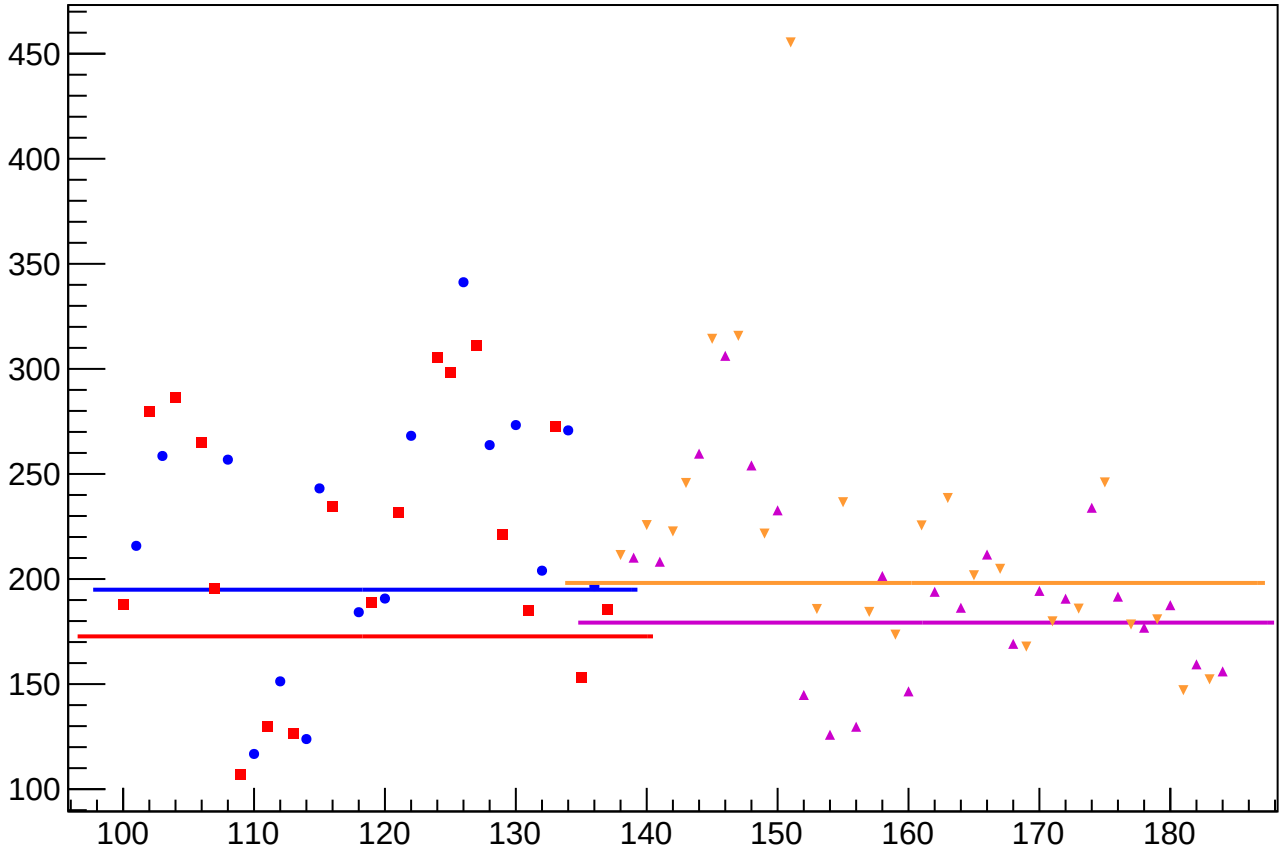
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 94.829+/-40.059 χ^2/NDF: 29.7/39

All: 18.464+/-27.136 χ^2/NDF: 65.8/81

- sign -46.293+/-36.889 χ^2/NDF: 29.4/41

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

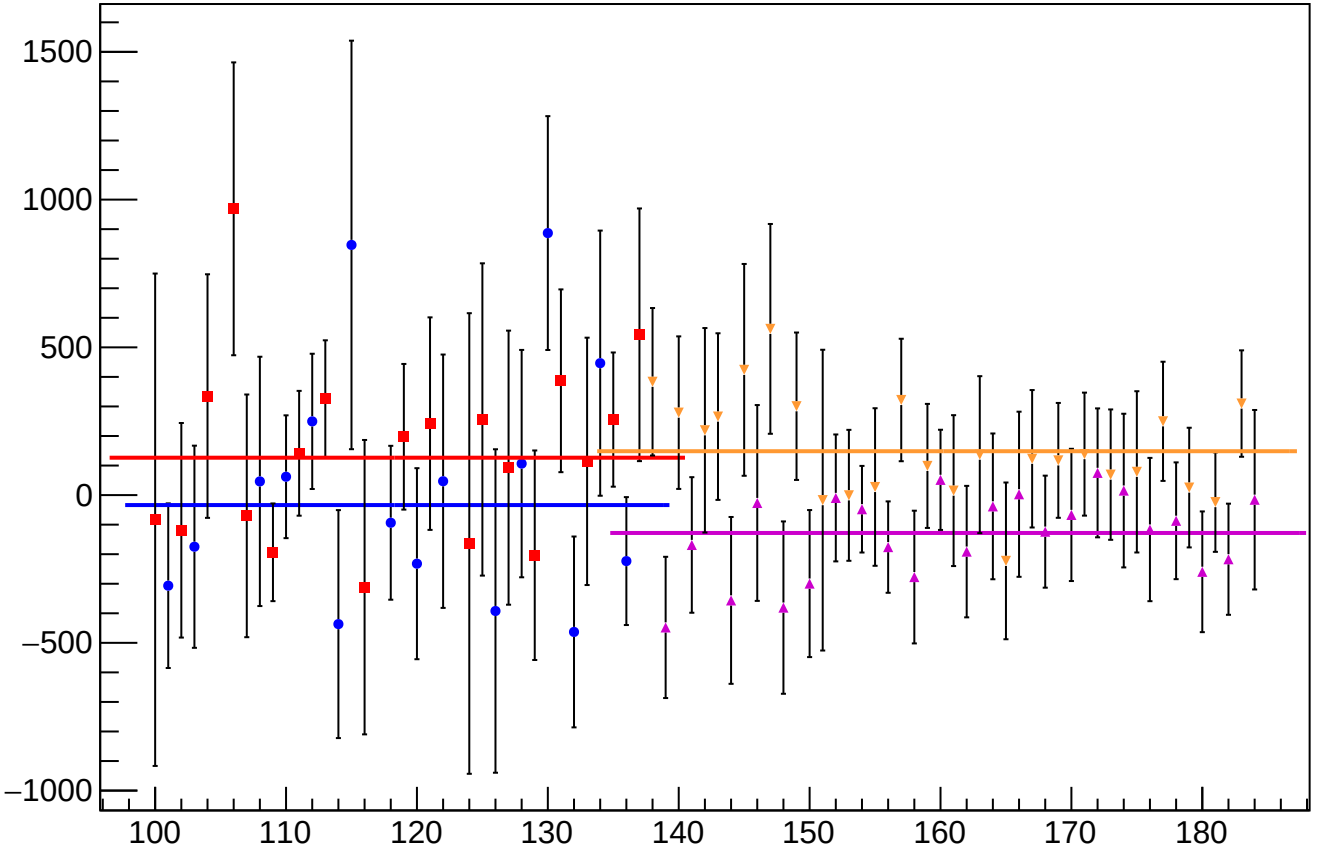
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 197.259+/-0.028 χ^2/NDF: 2790826.7/39

All: 186.489+/-0.019 χ^2/NDF: 6358355.4/81

- sign 177.356+/-0.026 χ^2/NDF: 3300363.8/41

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

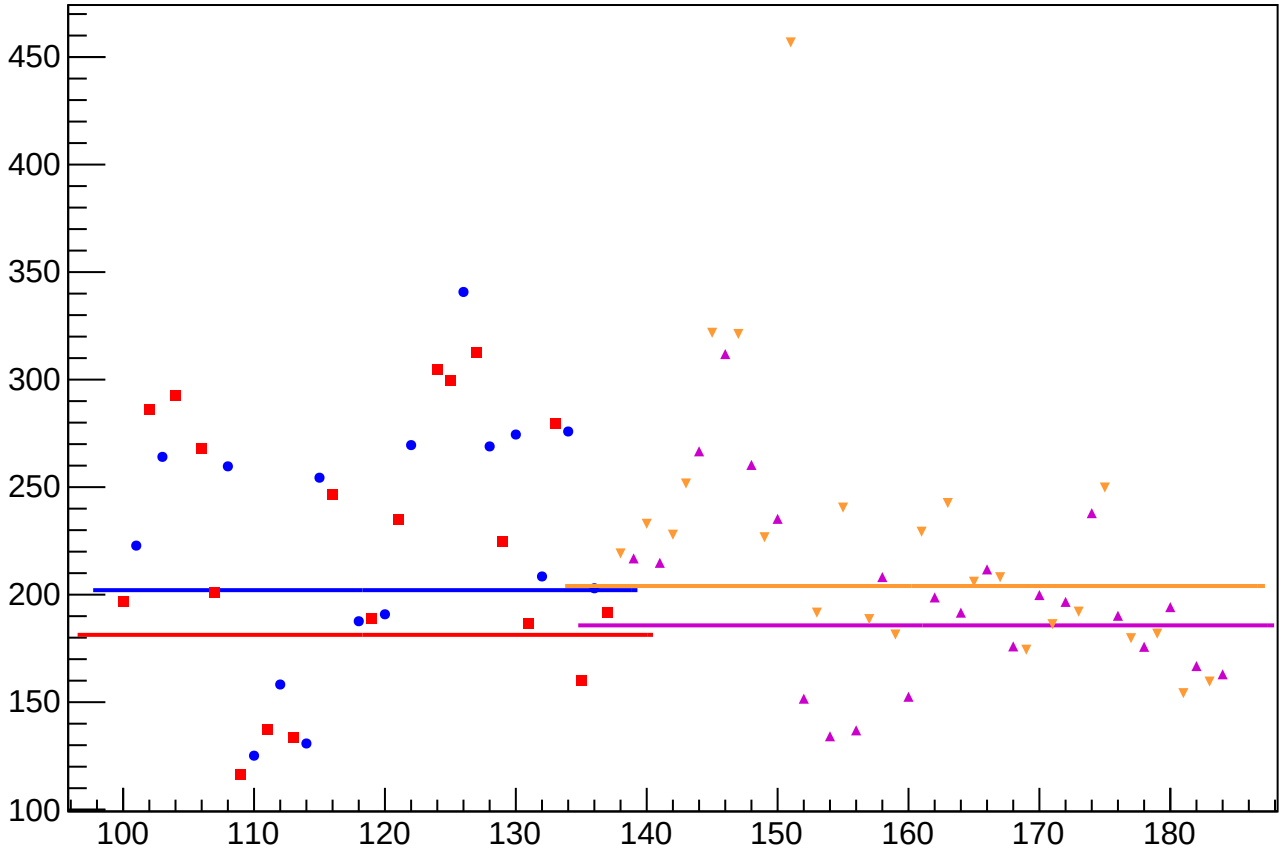
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 98.952+/-41.198 χ^2/NDF: 29.8/39

All: 16.043+/-28.002 χ^2/NDF: 67.6/81

- sign -55.150+/-38.177 χ^2/NDF: 30.3/41

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

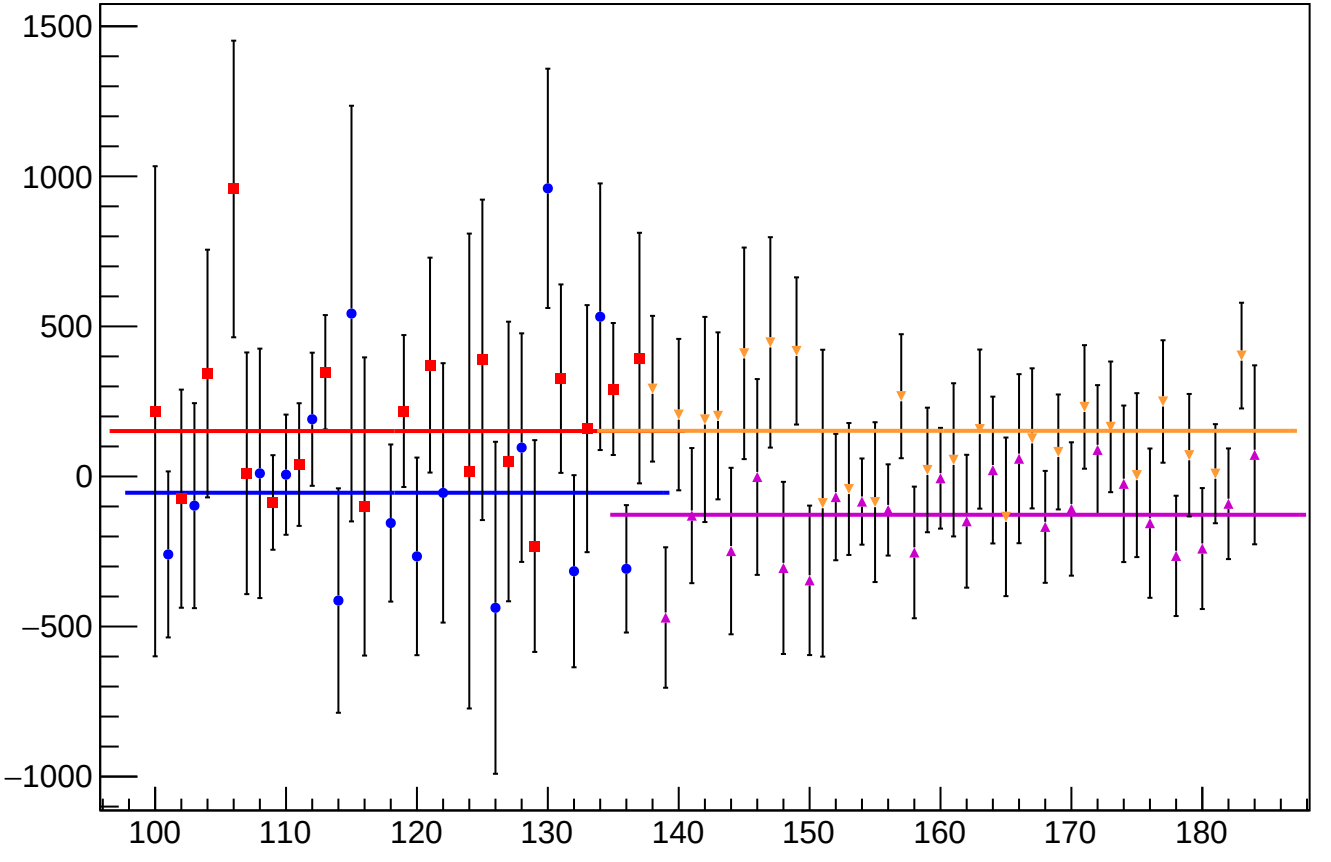
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 203.495+/-0.029 χ^2/NDF: 2567509.7/39

All: 193.251+/-0.020 χ^2/NDF: 5733285.9/81

- sign 184.454+/-0.027 χ^2/NDF: 2935917.6/41

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

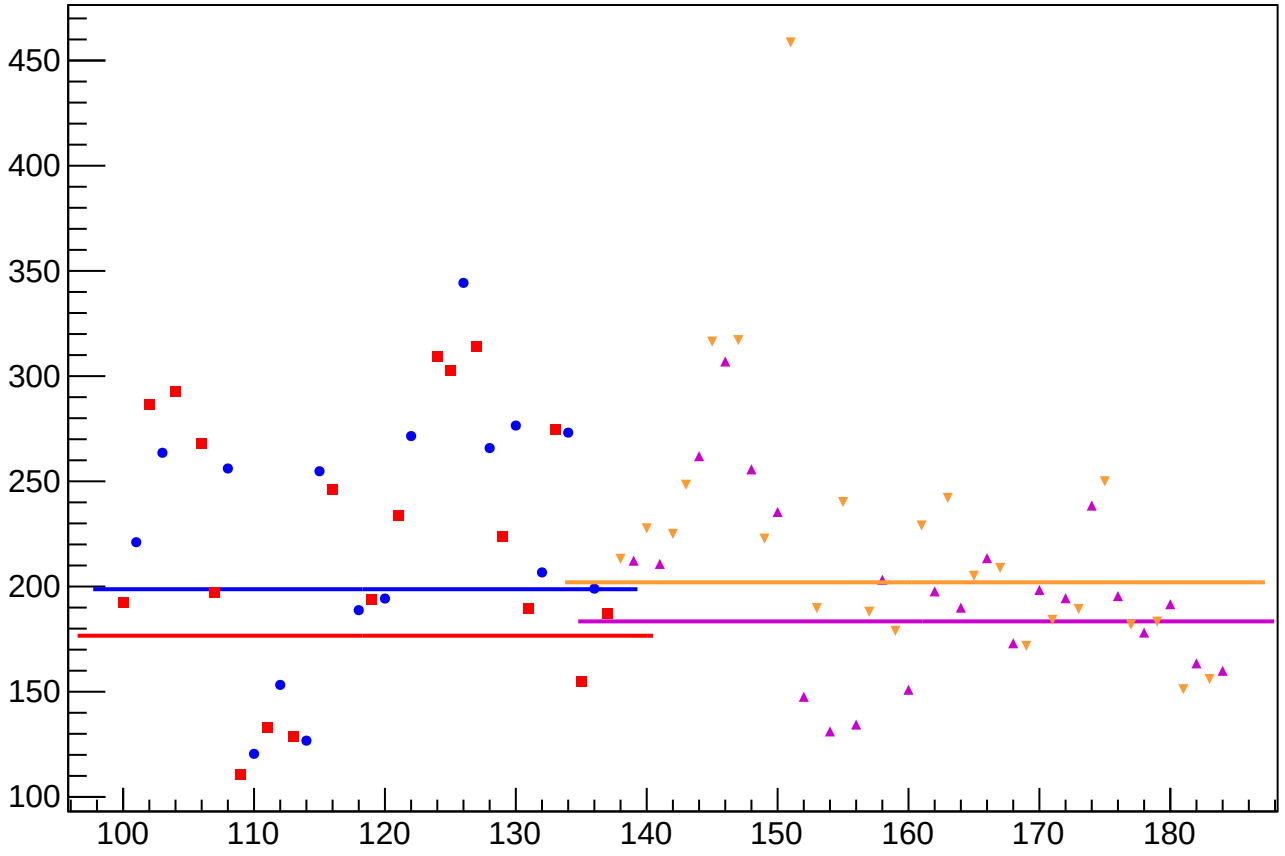
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 95.631+/-40.776 χ^2/NDF: 30.6/39

All: 18.824+/-27.665 χ^2/NDF: 66.7/81

- sign -46.684+/-37.657 χ^2/NDF: 29.5/41

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

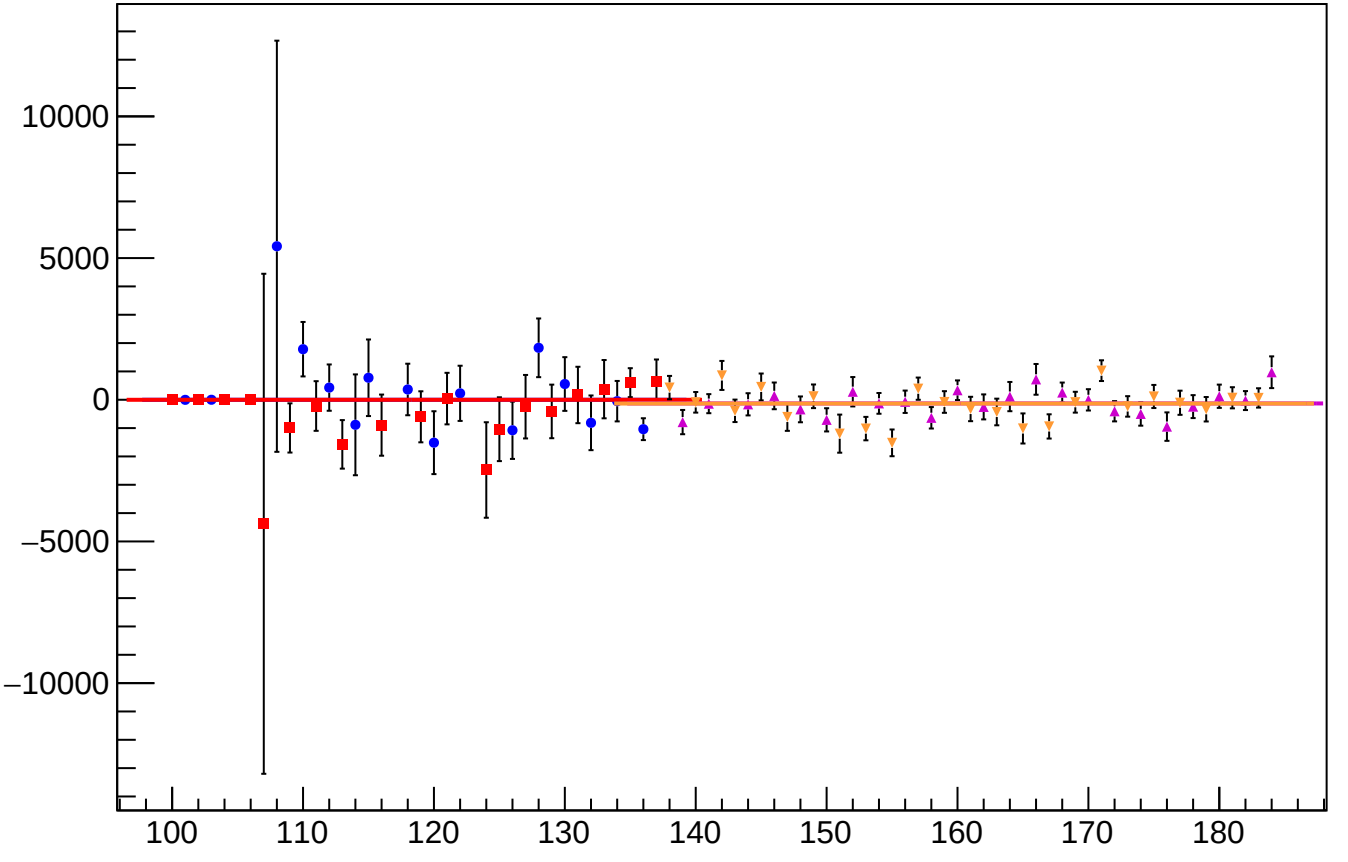
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 201.107+/-0.029 χ^2/NDF: 2676906.8/39

All: 190.502+/-0.020 χ^2/NDF: 6067455.1/81

- sign 181.456+/-0.027 χ^2/NDF: 3139869.6/41

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

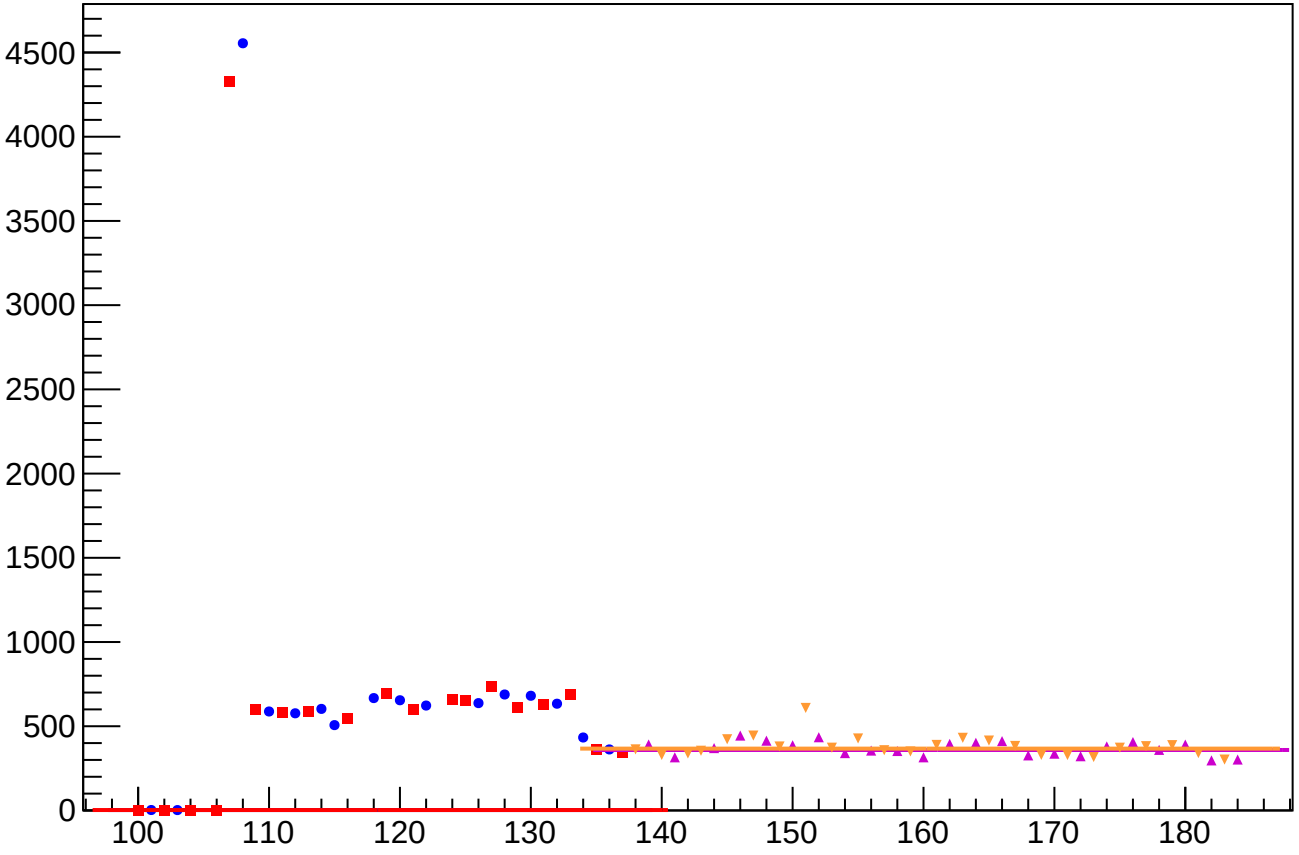
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.325+/-2.170 χ^2/NDF: 67.0/39

All: -1.392+/-1.479 χ^2/NDF: 107.8/81

- sign -1.450+/-2.022 χ^2/NDF: 40.8/41

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

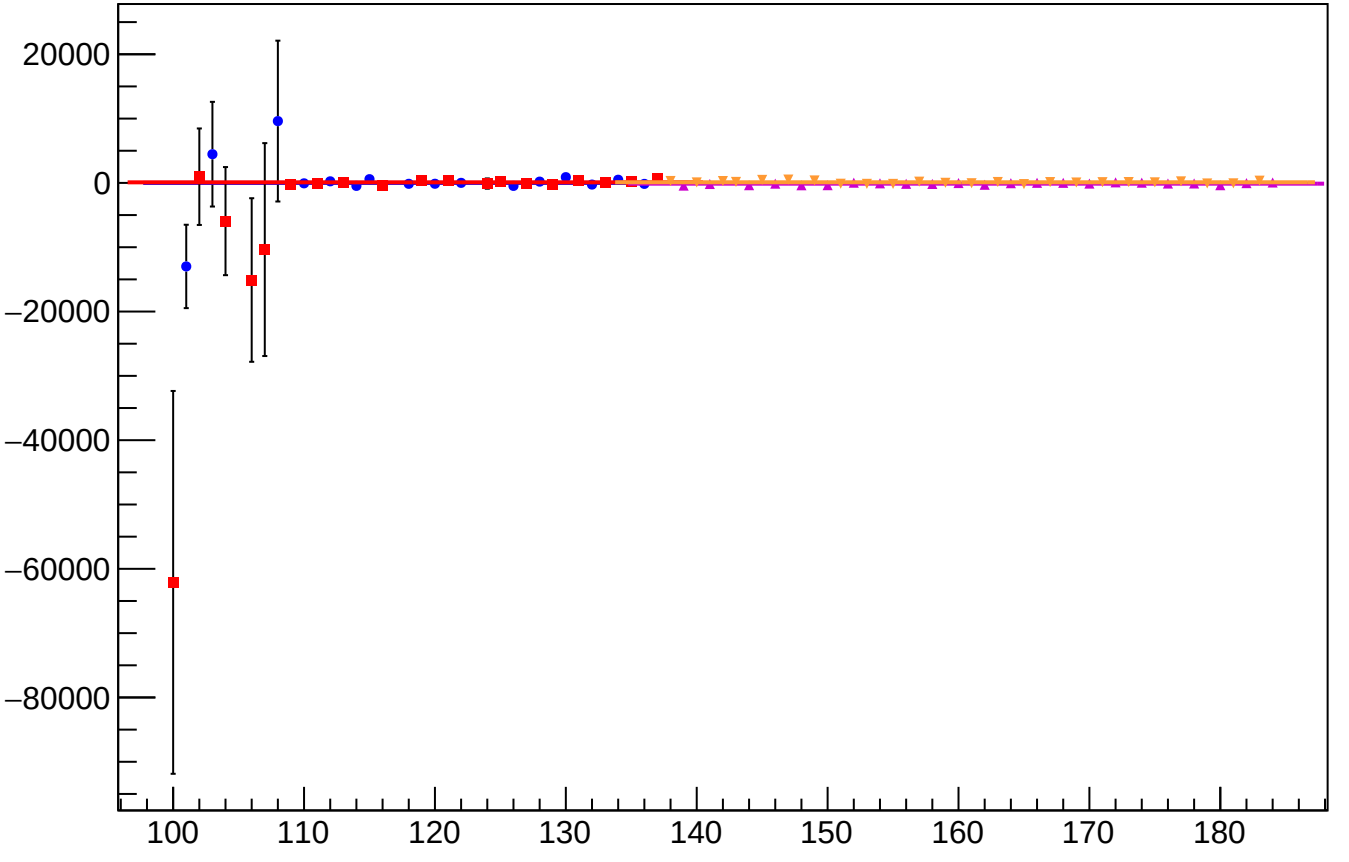
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.714+/-0.002 χ^2/NDF: 48953935.9/39

All: 2.687+/-0.001 χ^2/NDF: 96058064.6/81

- sign 2.664+/-0.001 χ^2/NDF: 47103555.1/41

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

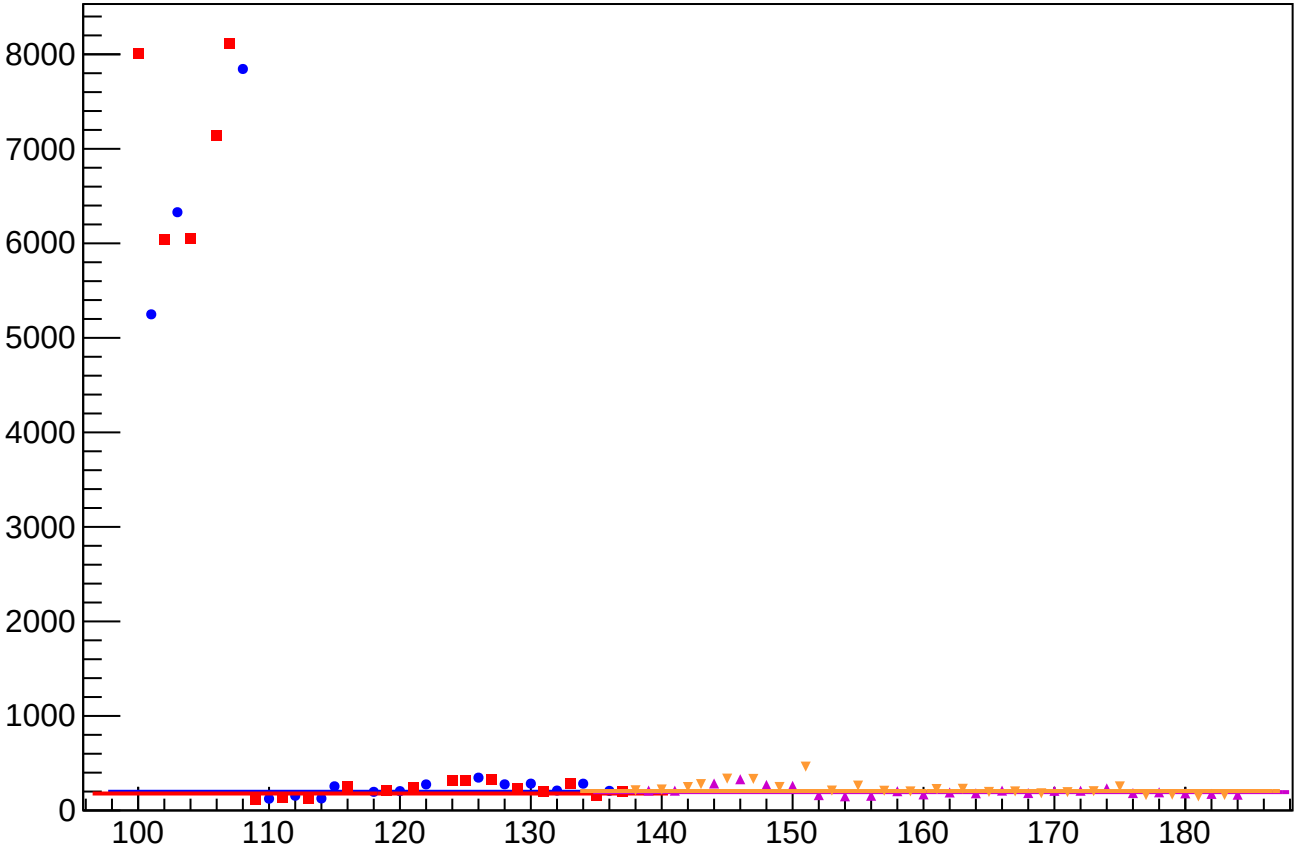
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 75.545+/-42.659 χ^2/NDF: 30.5/39

All: 0.533+/-29.448 χ^2/NDF: 65.4/81

- sign -67.747+/-40.700 χ^2/NDF: 29.0/41

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

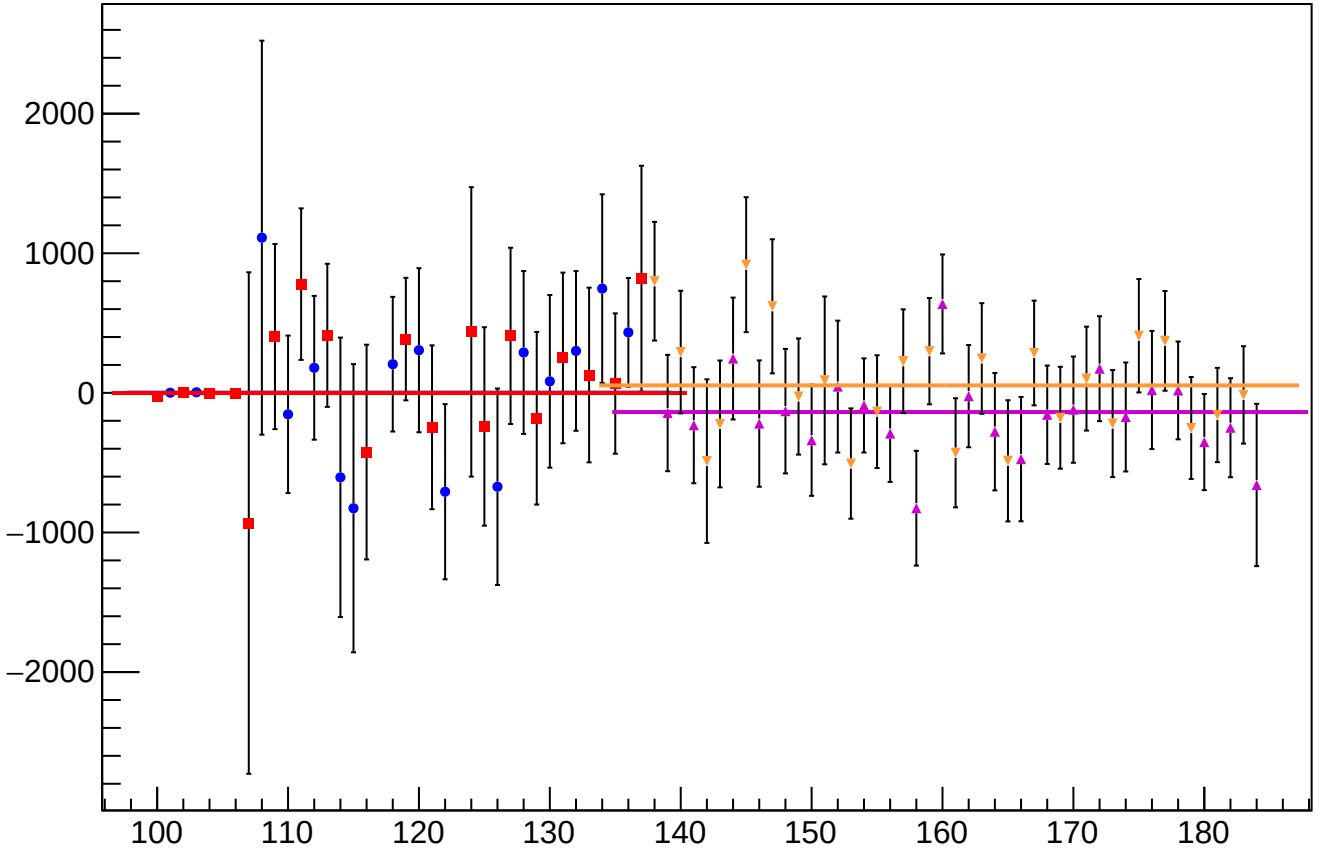
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 203.664+/-0.030 χ^2/NDF: 5911162.4/39

All: 196.643+/-0.021 χ^2/NDF: 11673054.8/81

- sign 190.252+/-0.029 χ^2/NDF: 5658406.2/41

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

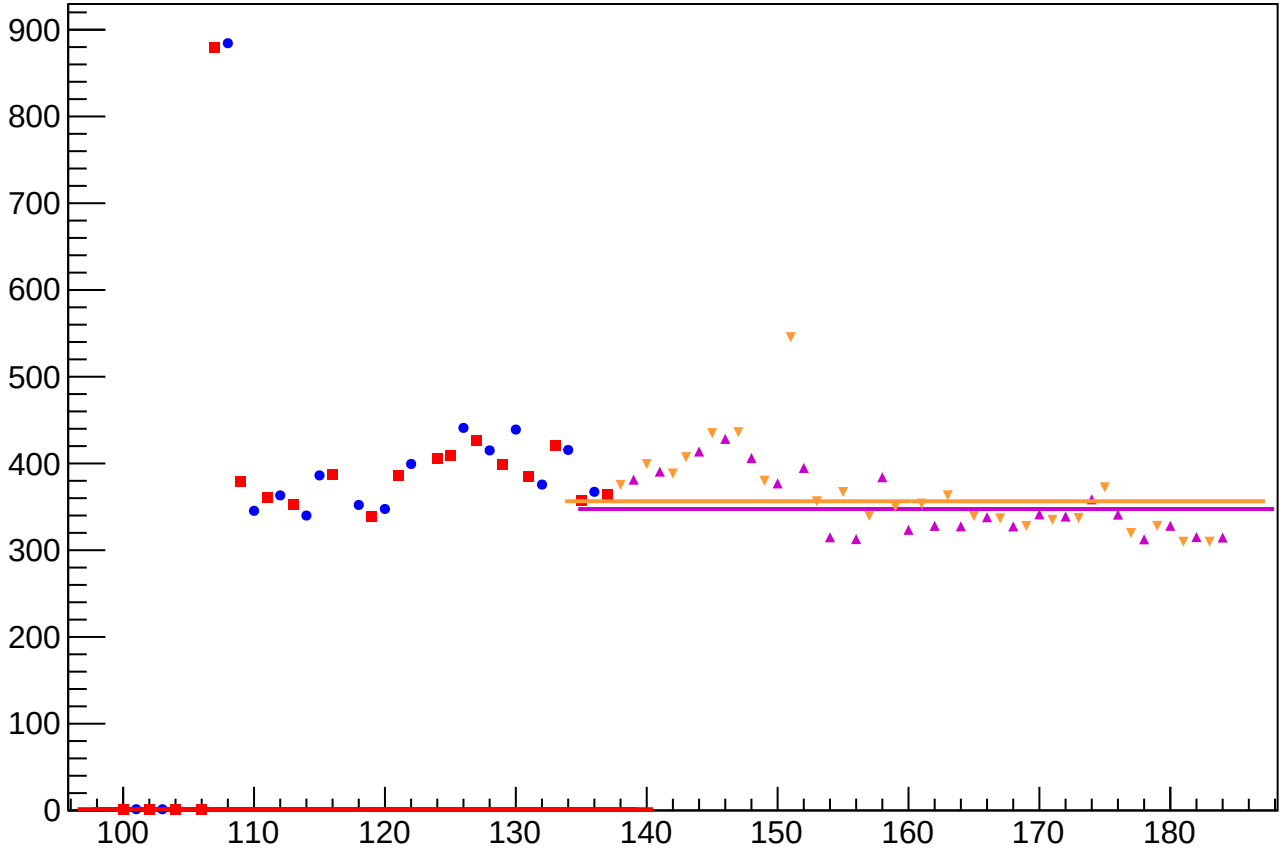
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

\+ sign 1.477+/-1.660 χ^2/NDF: 27.7/39

All: 0.060+/-1.124 χ^2/NDF: 53.1/81

\- sign -1.141+/-1.528 χ^2/NDF: 24.1/41

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

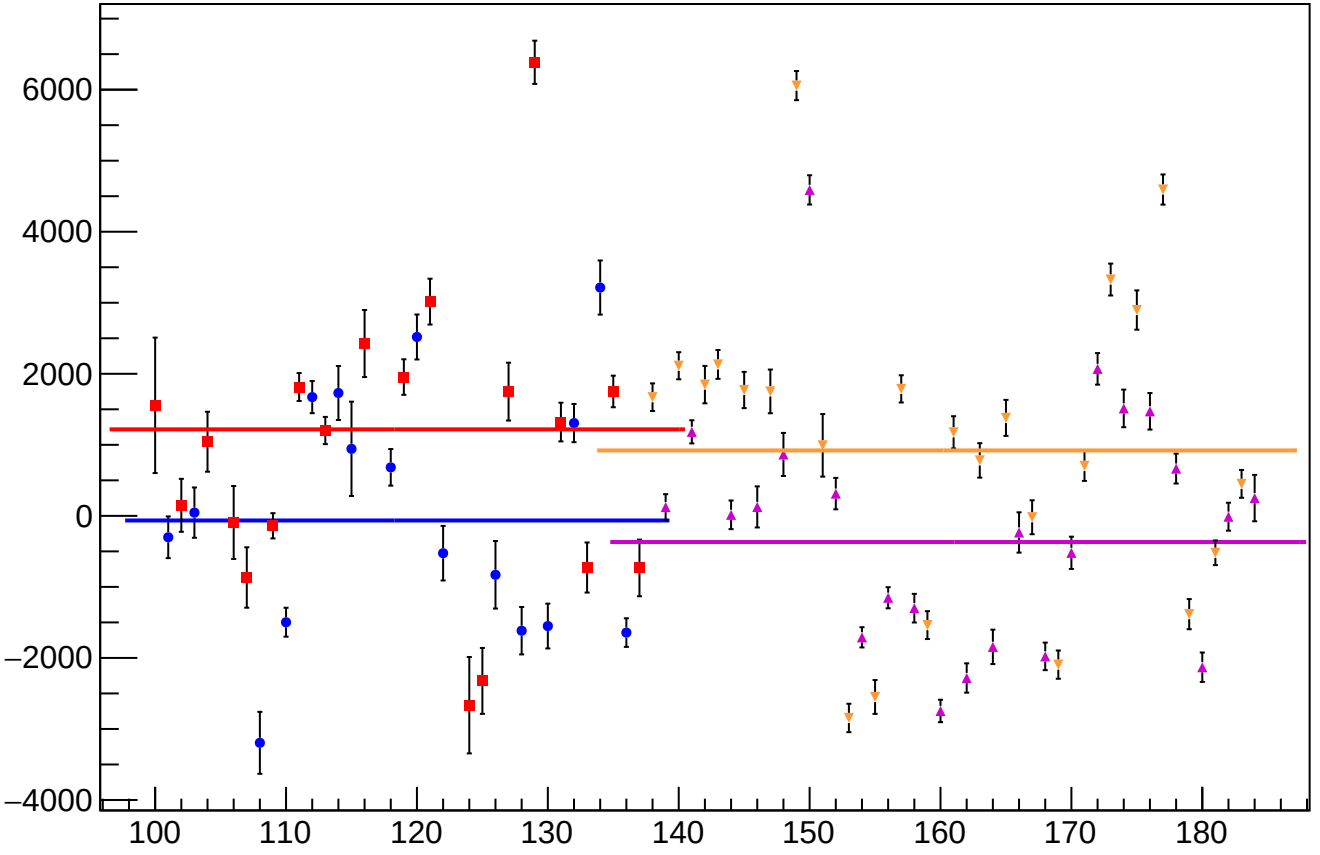
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.615+/-0.001 χ^2/NDF: 49431279.0/39

All: 1.600+/-0.001 χ^2/NDF: 96550127.7/81

- sign 1.587+/-0.001 χ^2/NDF: 47118548.6/41

asym_bcm0l02_mean vs Slug



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

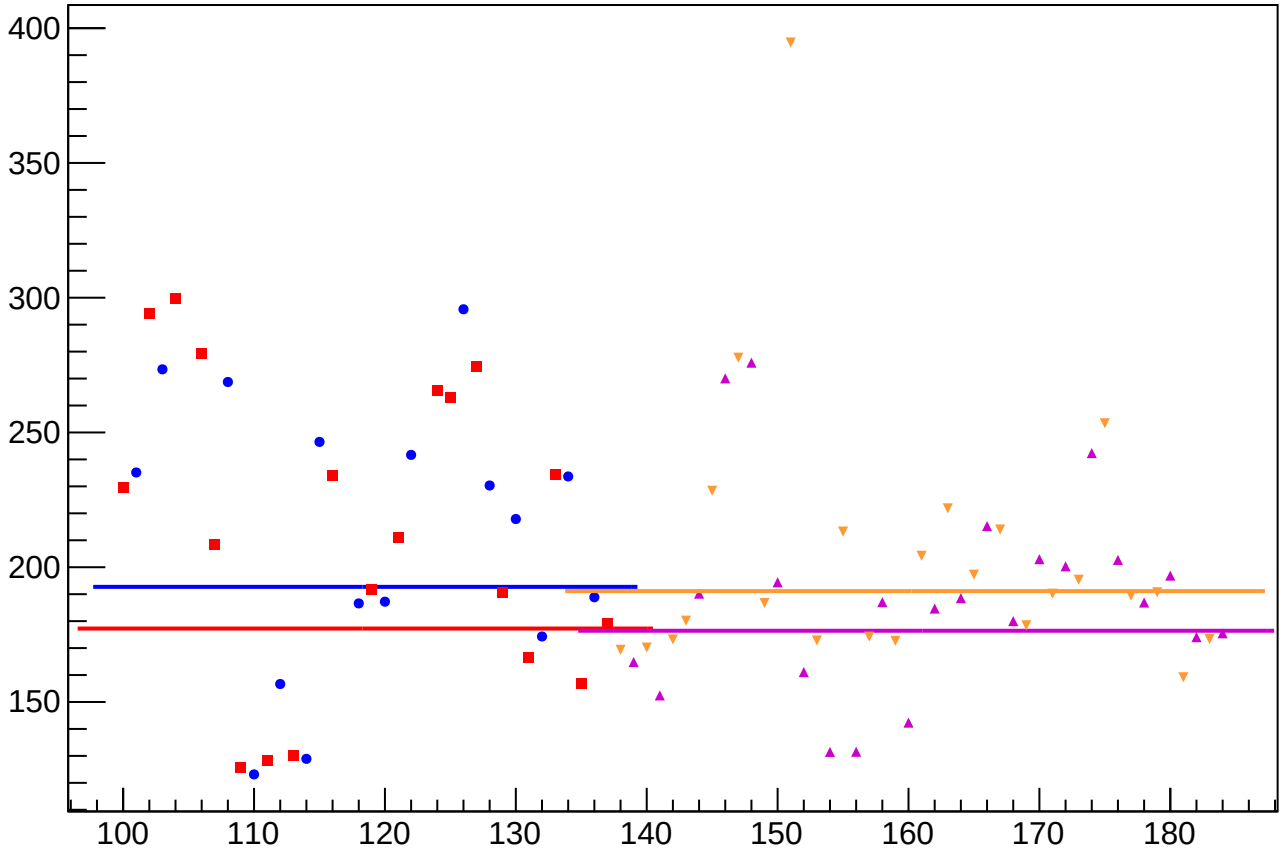
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 660.684+/-38.493 χ^2/NDF: 2996.9/39

All: 348.539+/-26.414 χ^2/NDF: 5690.7/81

- sign 70.751+/-36.313 χ^2/NDF: 2569.5/41

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

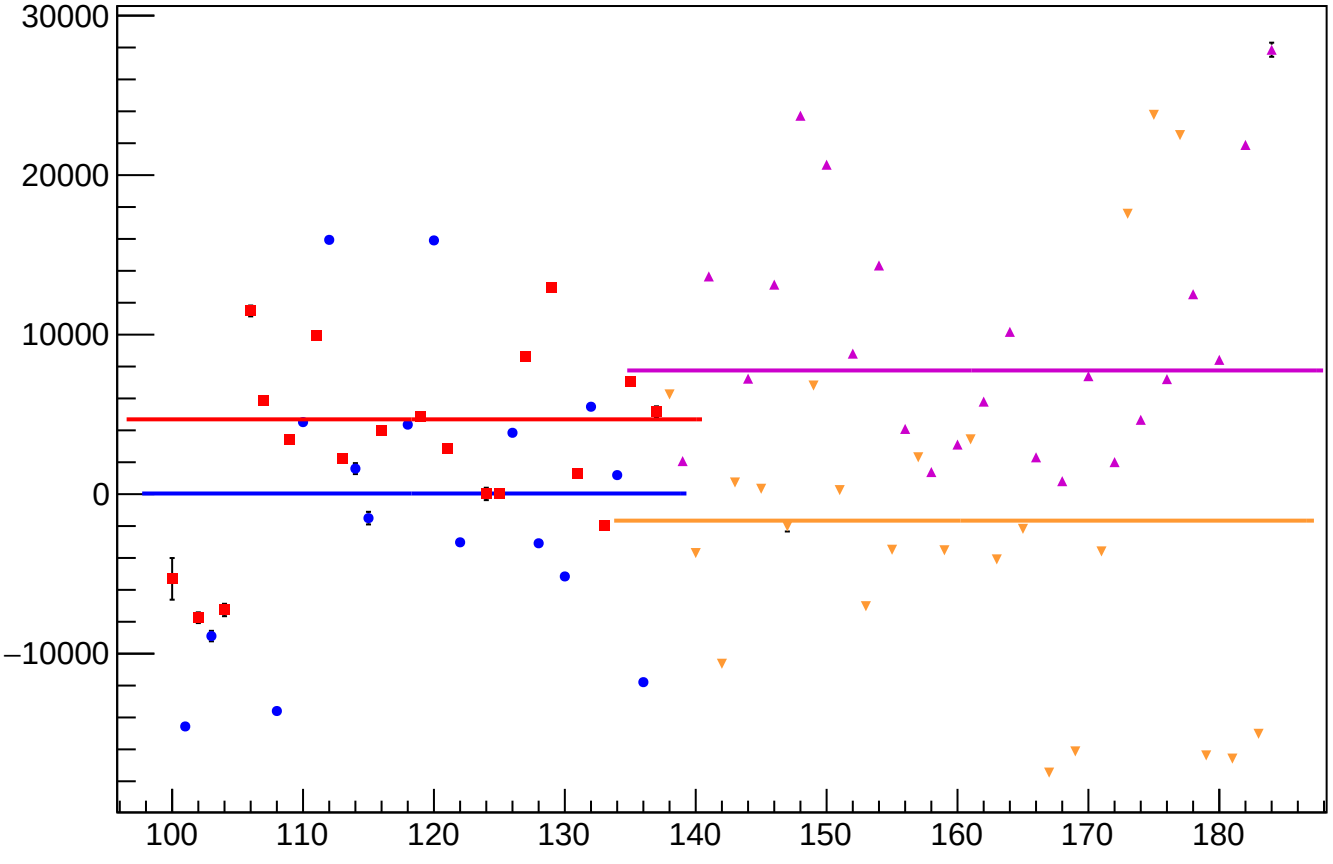
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 191.555+/-0.027 χ^2/NDF: 1772922.0/39

All: 183.673+/-0.019 χ^2/NDF: 4415469.7/81

- sign 176.658+/-0.026 χ^2/NDF: 2484045.3/41

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

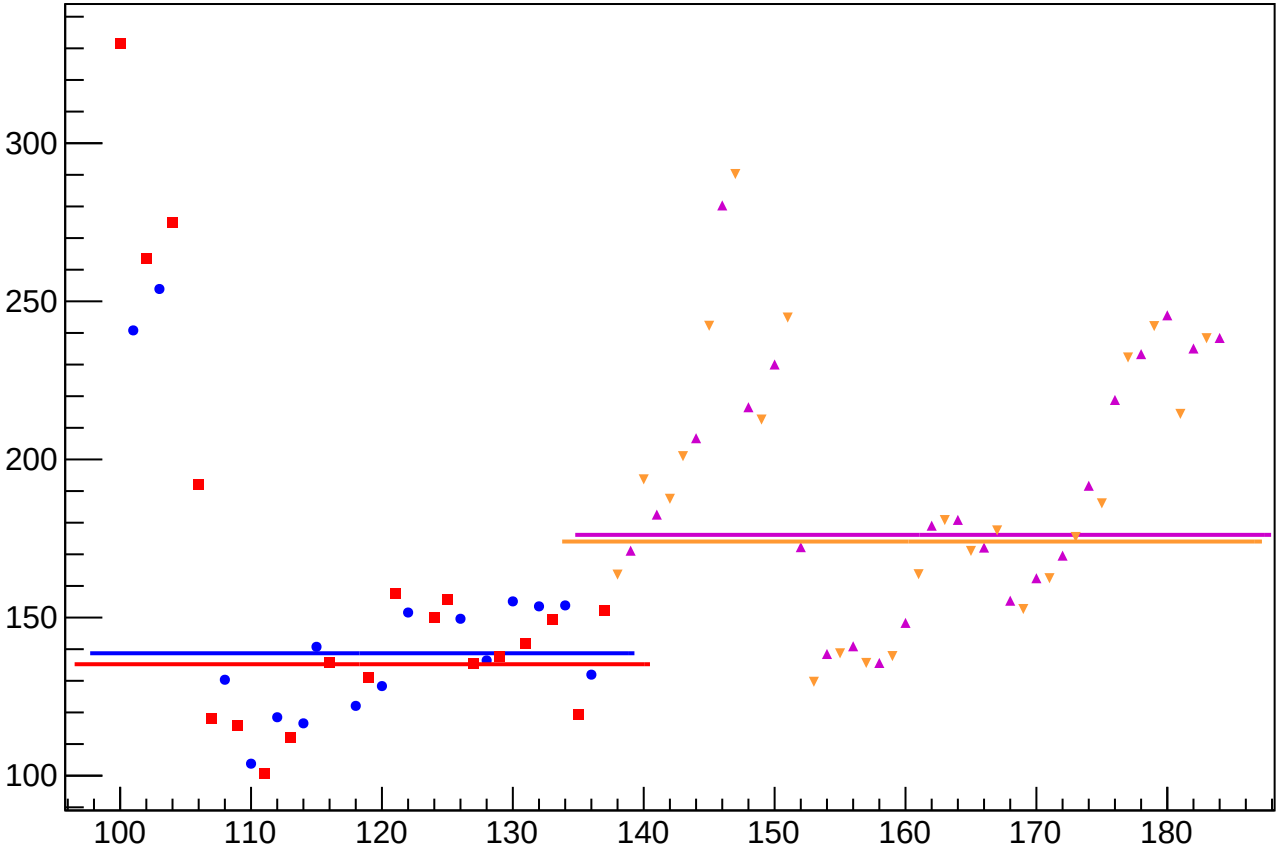
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1039.880+/-32.734 χ^2/NDF: 95881.8/39

All: 2717.194+/-23.227 χ^2/NDF: 155563.8/81

- sign 6527.331+/-32.964 χ^2/NDF: 33148.9/41

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

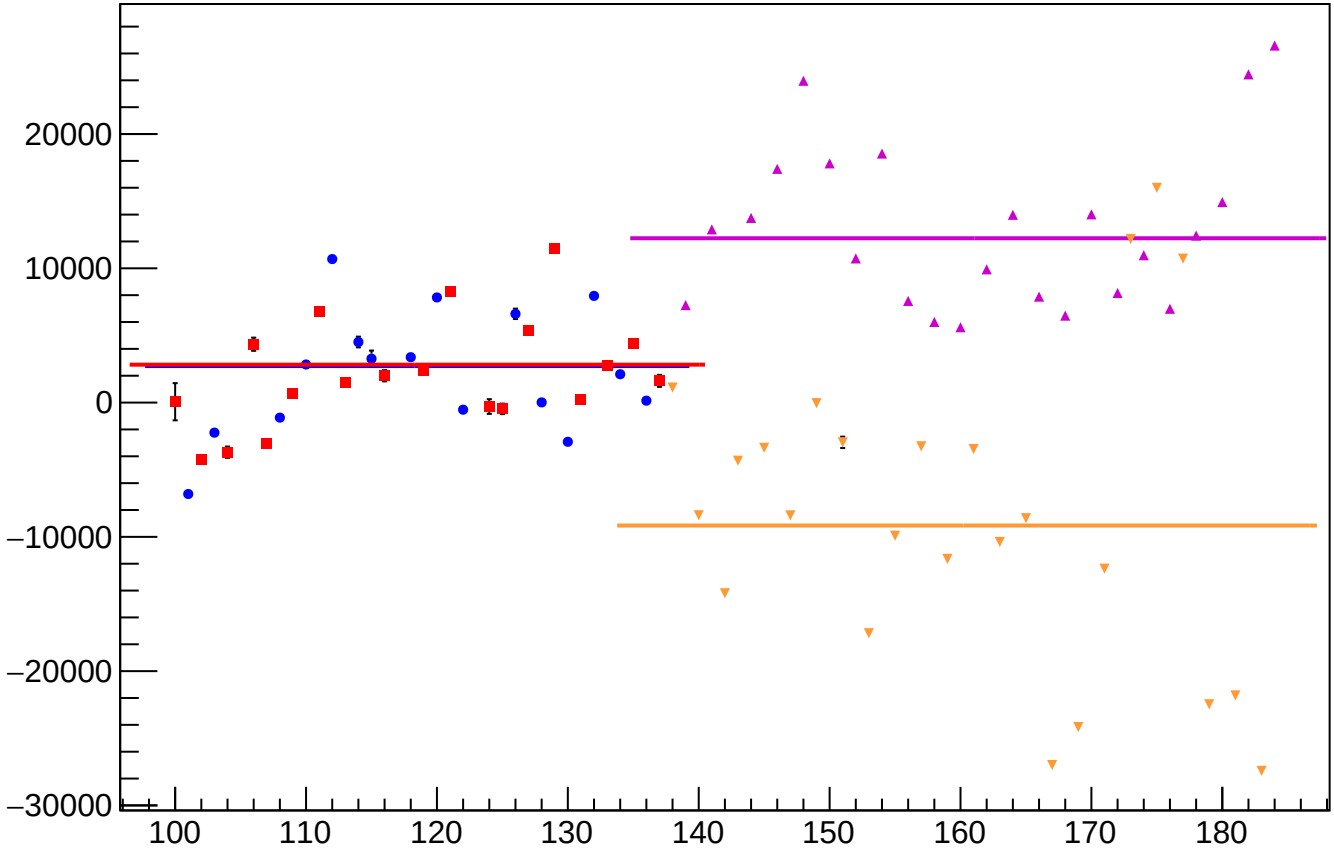
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.155+/-0.023 χ^2/NDF: 2822458.3/39

All: 160.469+/-0.016 χ^2/NDF: 5820815.4/81

- sign 159.774+/-0.023 χ^2/NDF: 2996591.1/41

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

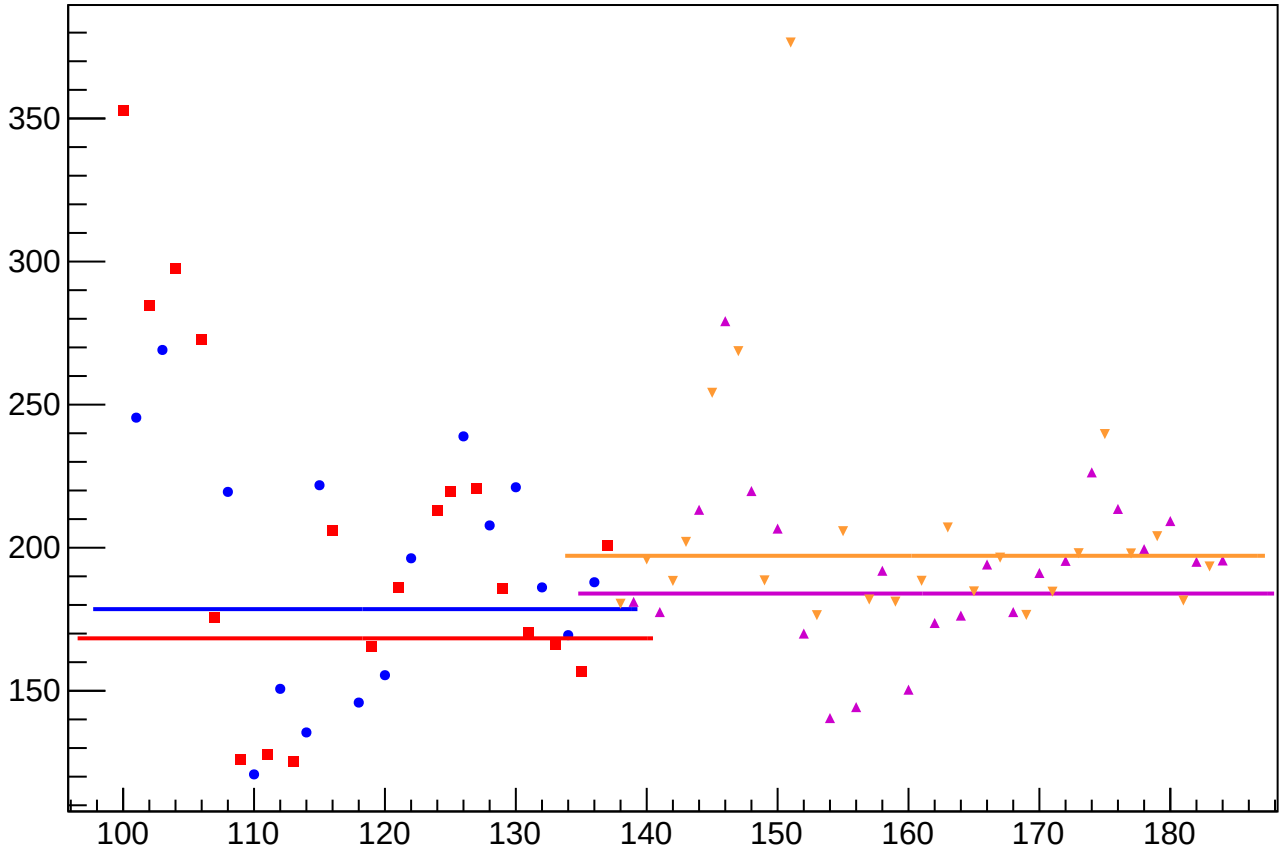
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -5515.985+/-38.335 χ^2/NDF: 86961.3/39

All: 2226.166+/-26.442 χ^2/NDF: 198238.9/81

- sign 9252.776+/-36.521 χ^2/NDF: 33471.5/41

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

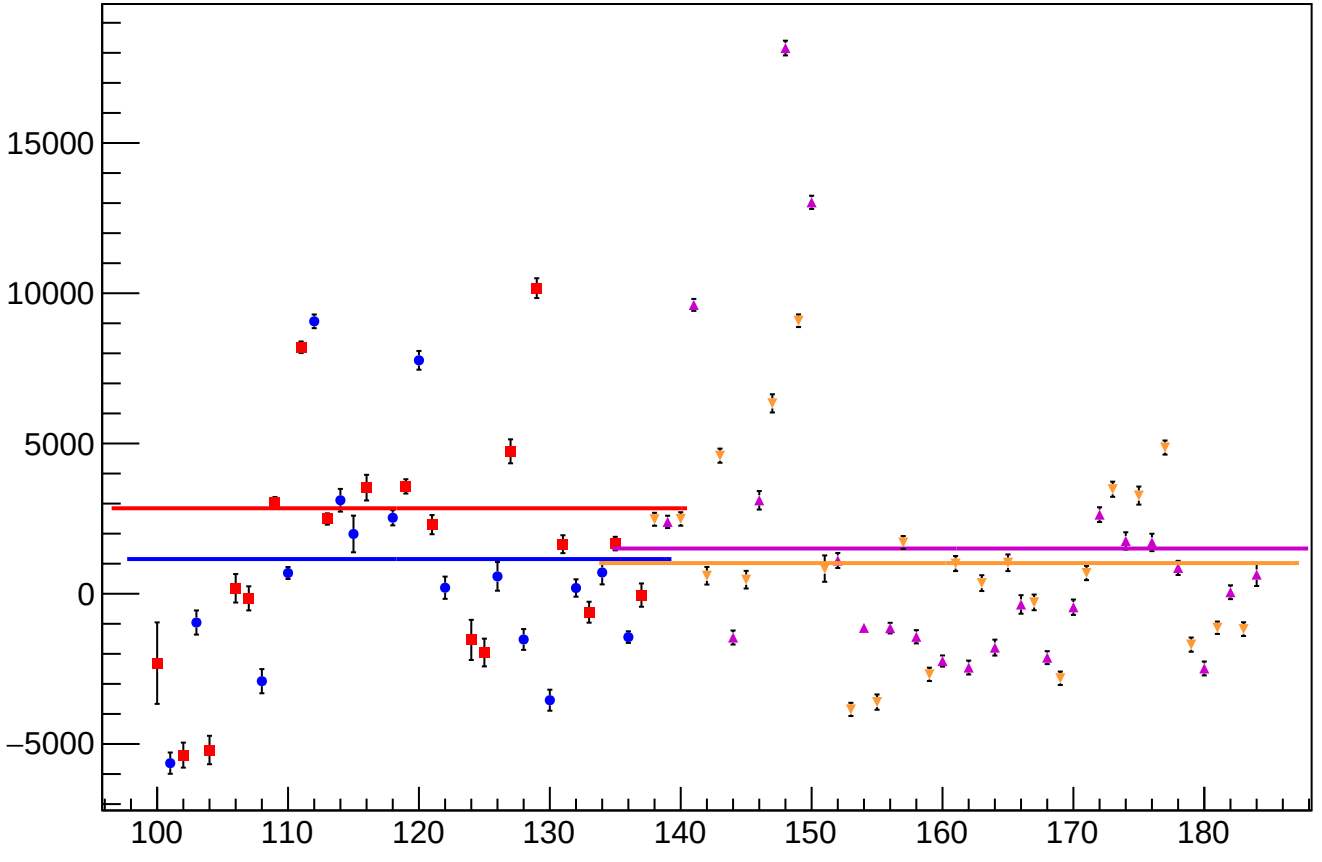
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.469+/-0.027 χ^2/NDF: 1507380.2/39

All: 184.944+/-0.019 χ^2/NDF: 3506727.5/81

- sign 179.022+/-0.026 χ^2/NDF: 1888808.2/41

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

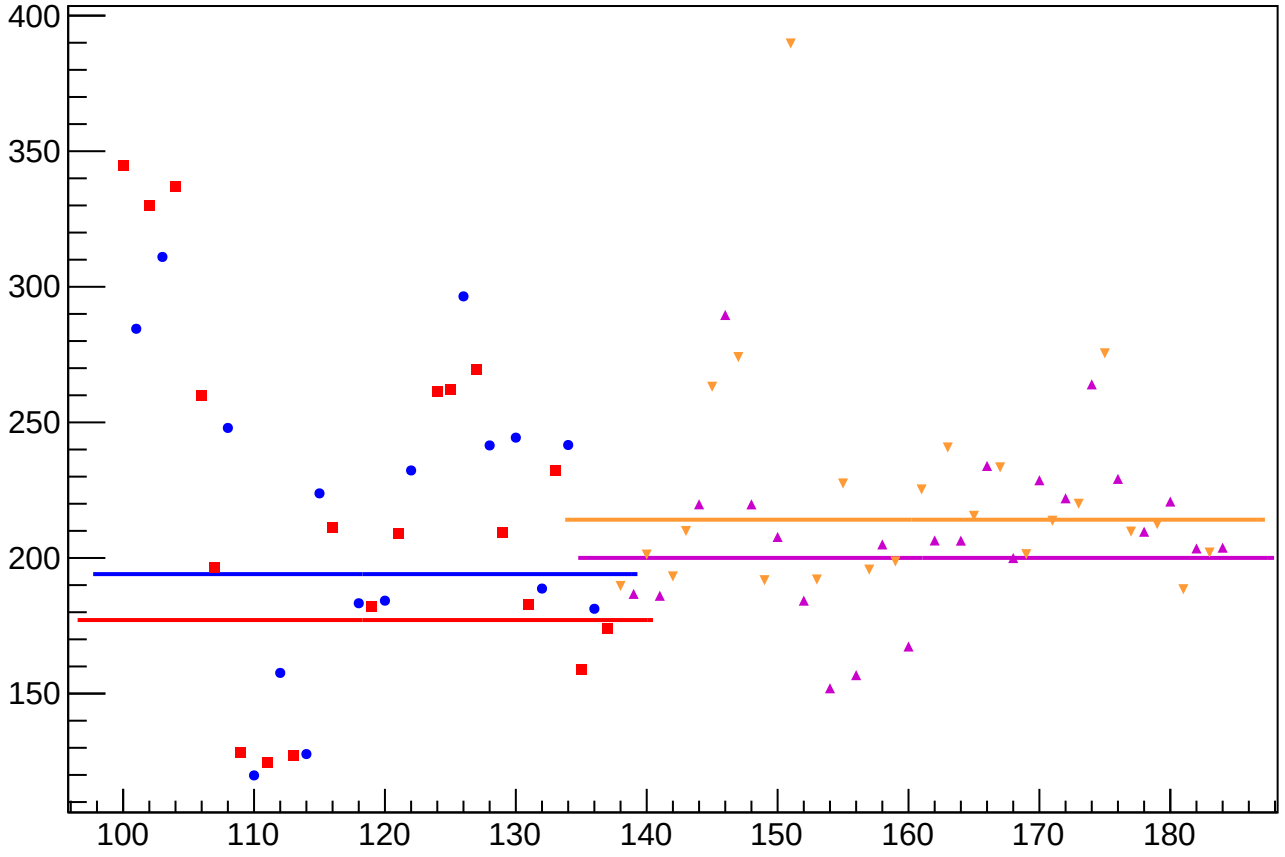
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1060.395+/-41.762 χ^2/NDF: 6936.2/39

All: 1525.738+/-28.681 χ^2/NDF: 21357.8/81

\- sign 1941.134+/-39.457 χ^2/NDF: 14186.6/41

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

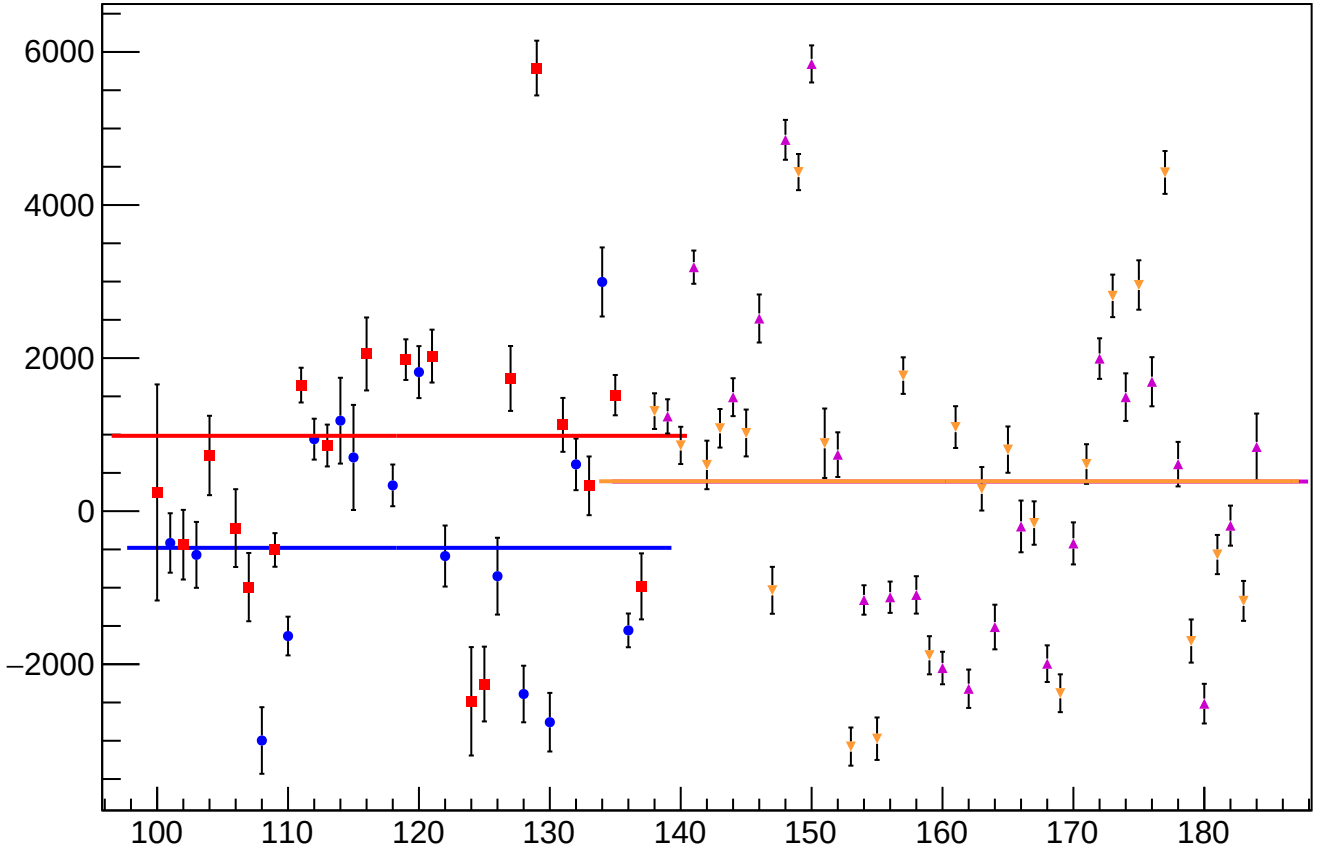
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.052+/-0.030 χ^2/NDF: 1795009.9/39

All: 199.871+/-0.020 χ^2/NDF: 4233311.5/81

- sign 192.567+/-0.028 χ^2/NDF: 2293021.1/41

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

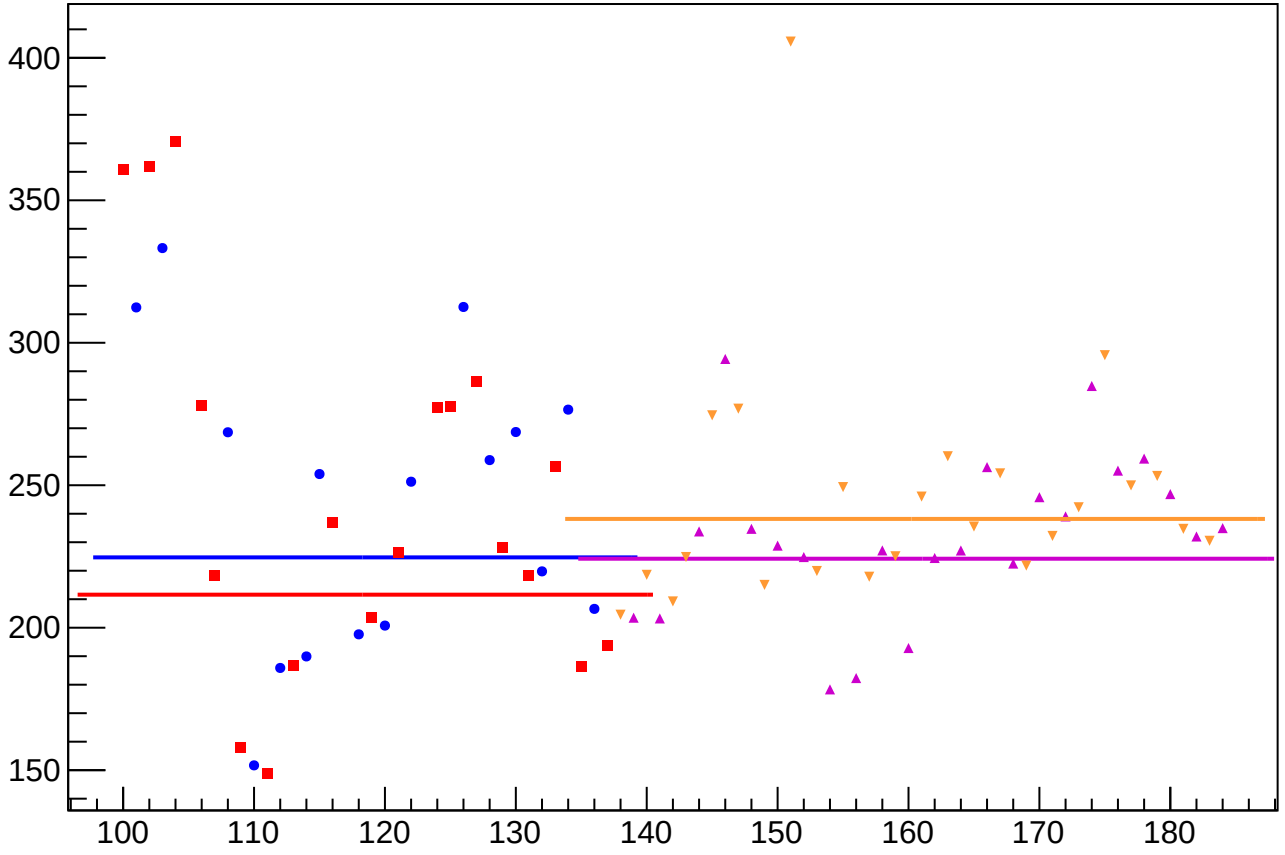
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign 138.482+/-46.663 χ^2/NDF: 1771.6/39

All: 363.105+/-32.260 χ^2/NDF: 4056.2/81

- sign 568.749+/-44.649 χ^2/NDF: 2240.2/41

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

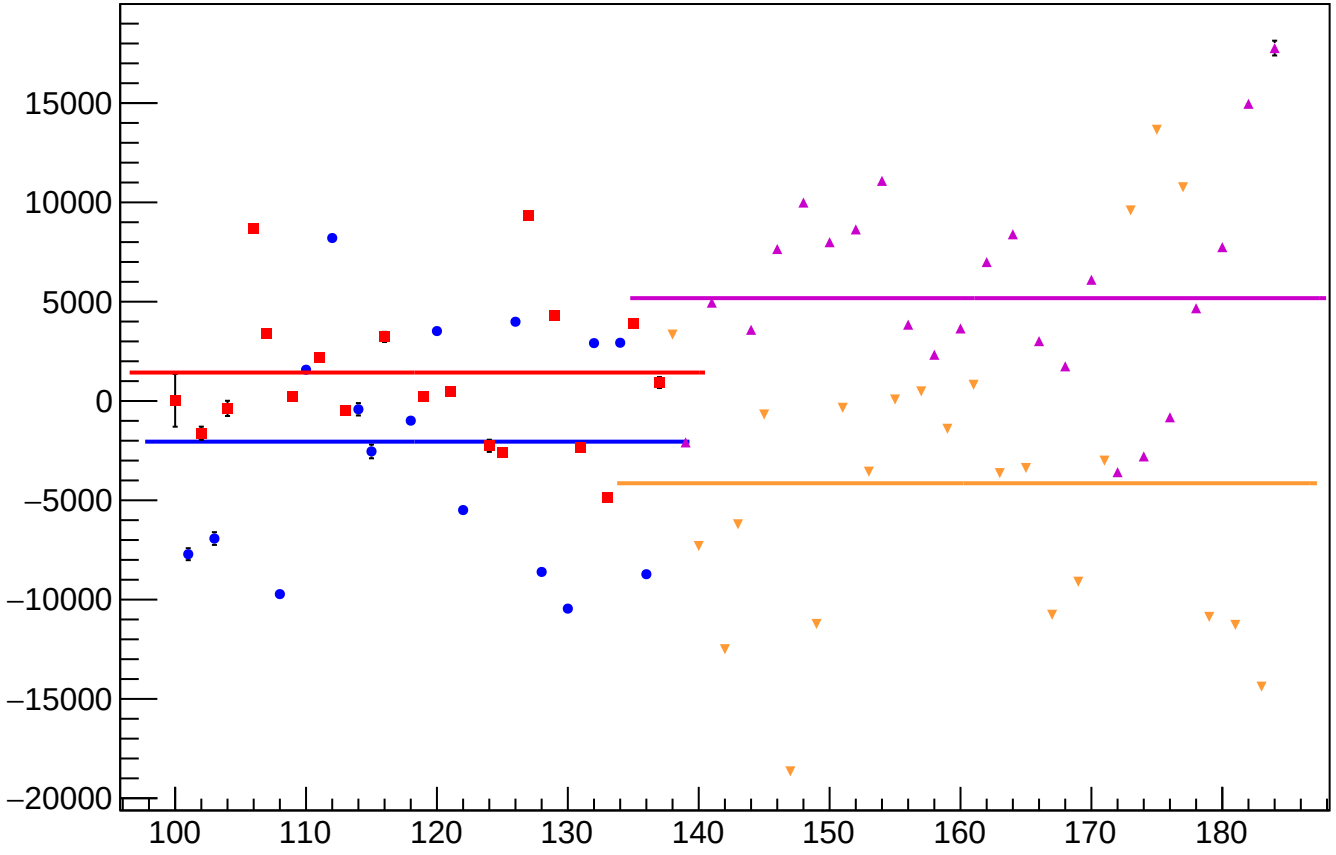
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.269+/-0.033 χ^2/NDF: 1255555.2/39

All: 227.015+/-0.023 χ^2/NDF: 2878090.8/81

- sign 220.373+/-0.032 χ^2/NDF: 1529940.9/41

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

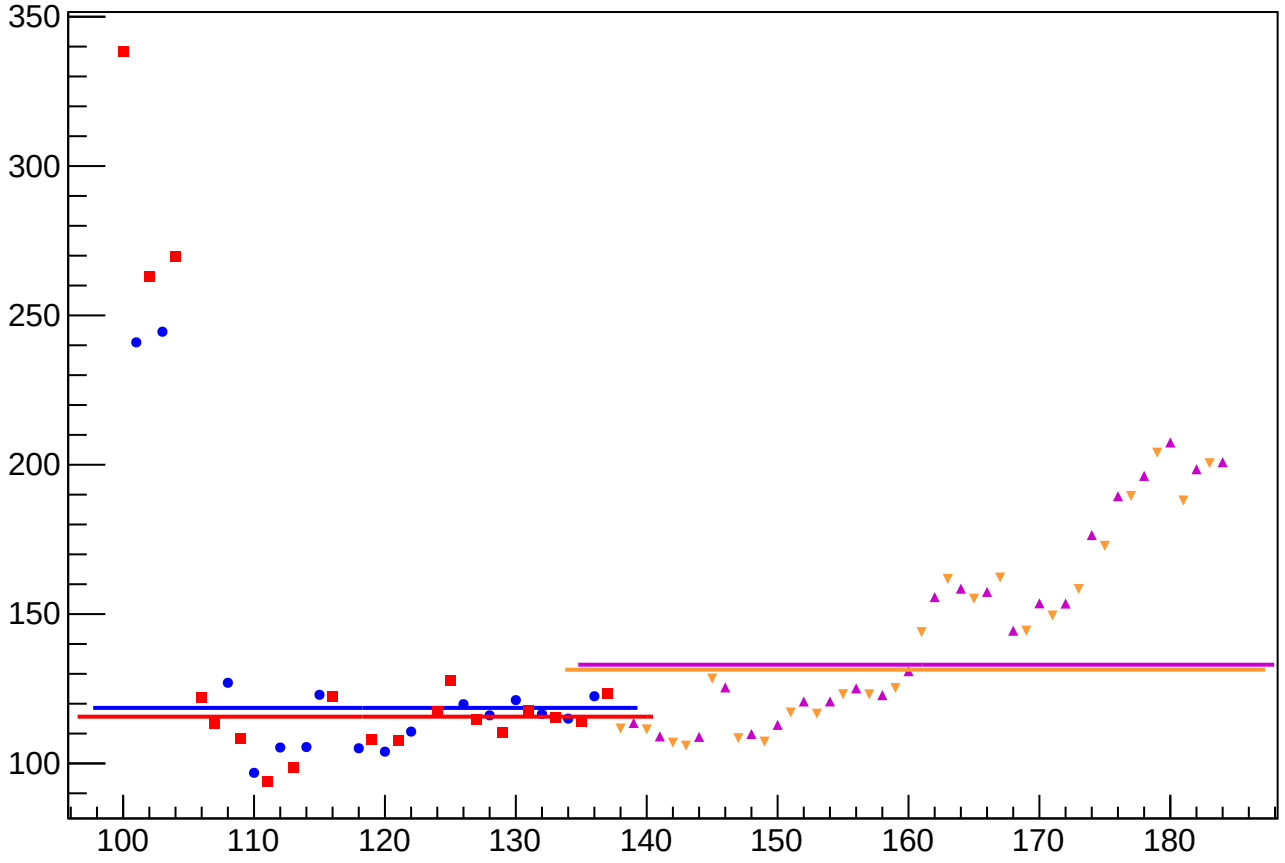
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3503.229+/-25.788 χ^2/NDF: 74094.9/39

All: 172.608+/-18.312 χ^2/NDF: 144652.3/81

- sign 3911.857+/-26.009 χ^2/NDF: 29569.7/41

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

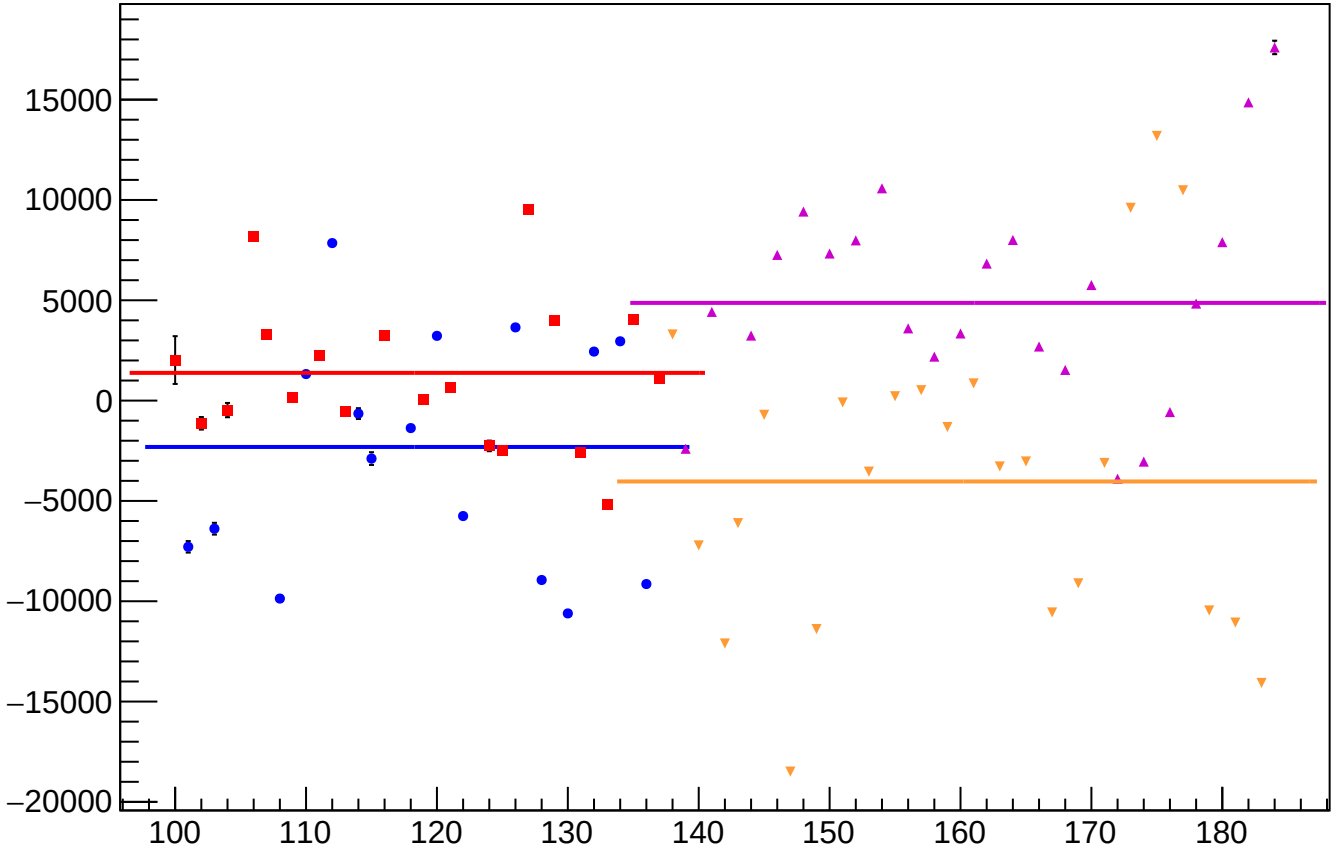
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.484+/-0.018 χ^2/NDF: 2323503.5/39

All: 127.332+/-0.013 χ^2/NDF: 4806463.8/81

- sign 127.177+/-0.018 χ^2/NDF: 2482819.8/41

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

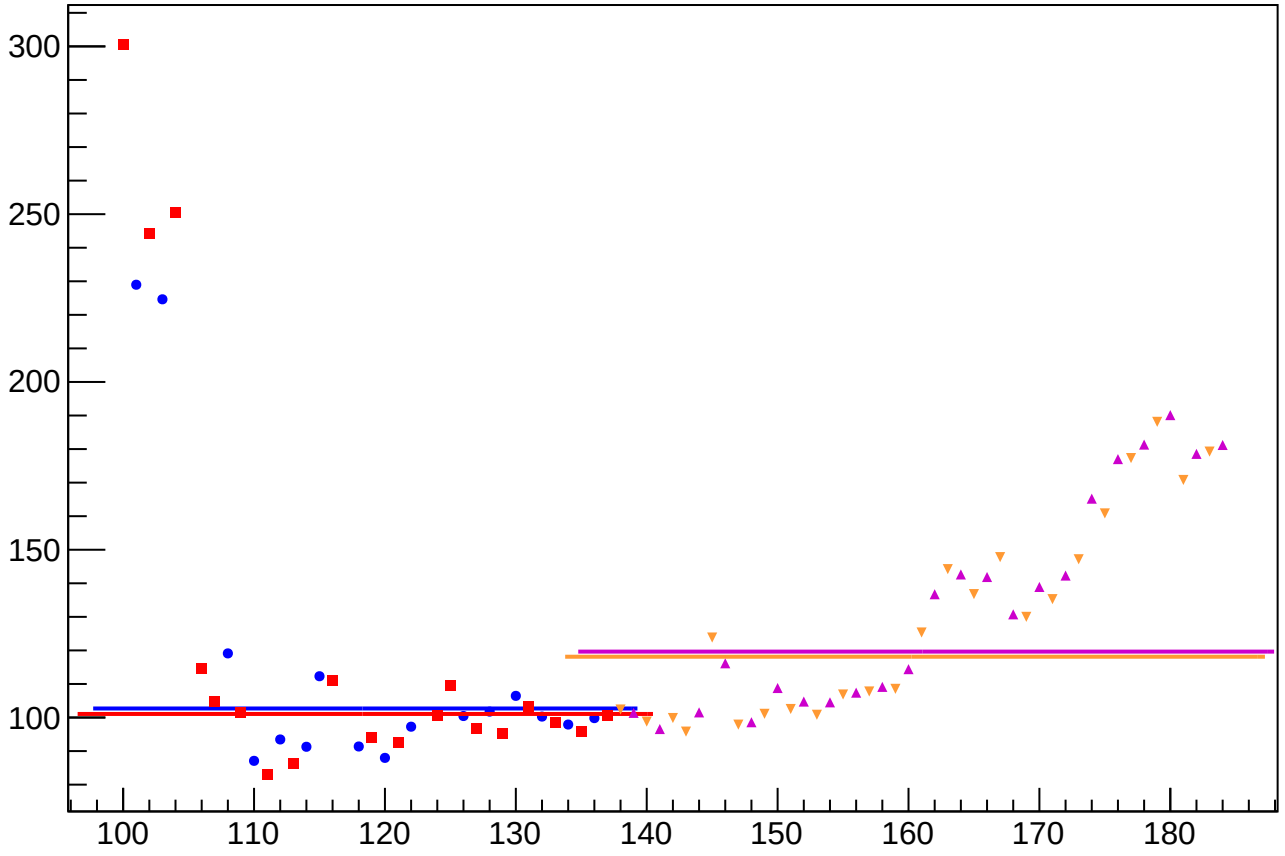
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -3482.469+/-22.994 χ^2/NDF: 88178.1/39

All: 46.492+/-16.347 χ^2/NDF: 171407.6/81

- sign 3652.403+/-23.243 χ^2/NDF: 35607.8/41

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

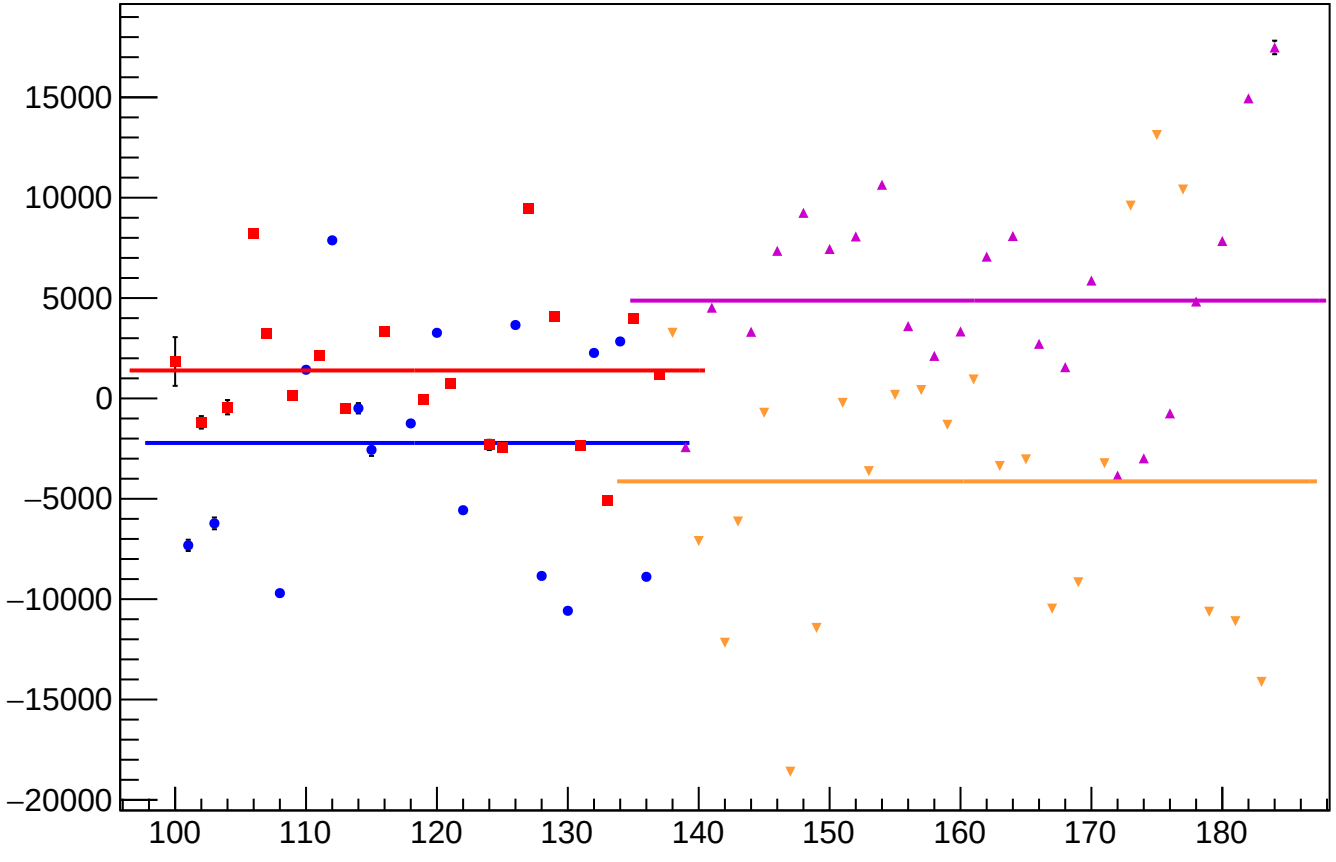
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 113.204+/-0.016 χ^2/NDF: 2586751.5/39

All: 113.182+/-0.012 χ^2/NDF: 5320017.5/81

- sign 113.159+/-0.016 χ^2/NDF: 2733262.2/41

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

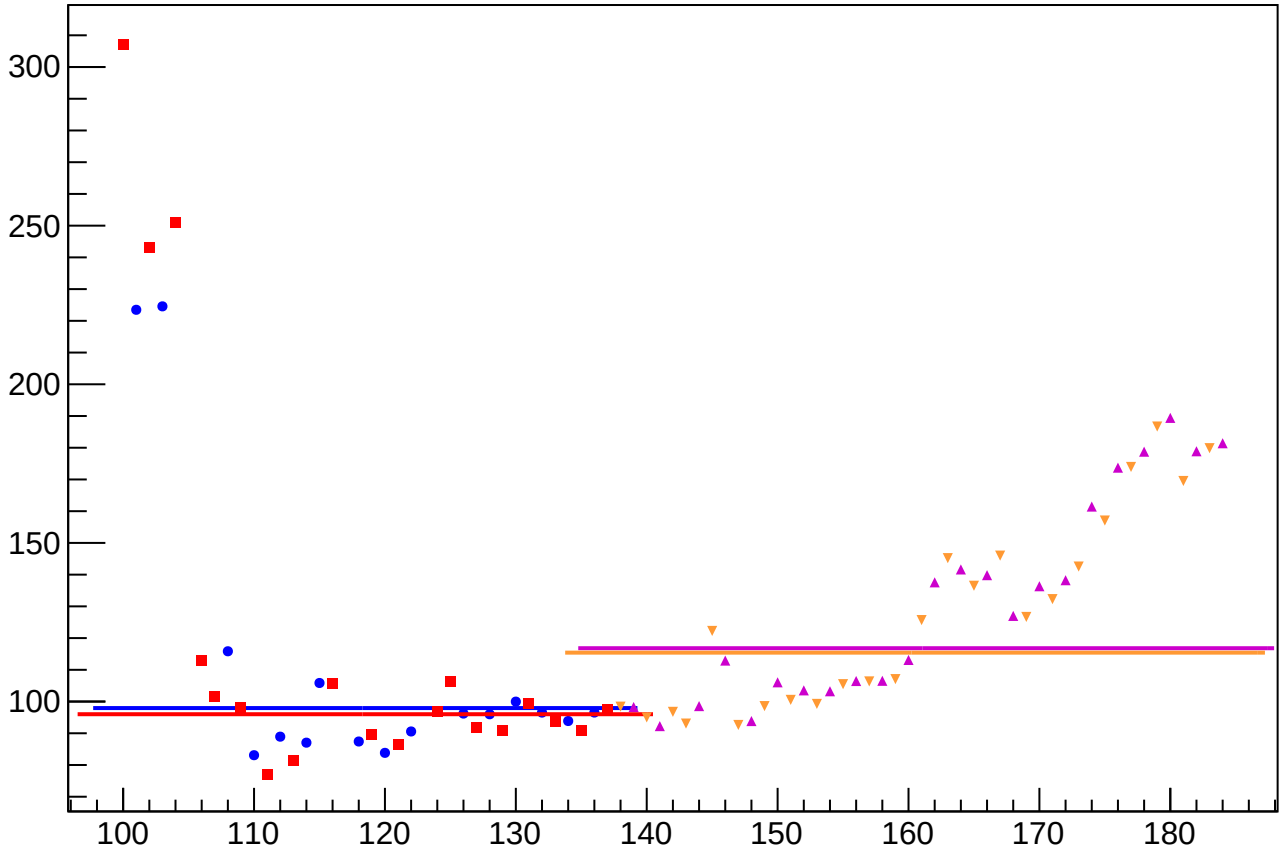
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -3503.565+/-22.367 χ^2/NDF: 94077.0/39

All: 28.081+/-15.882 χ^2/NDF: 181922.2/81

- sign 3619.596+/-22.556 χ^2/NDF: 37560.6/41

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

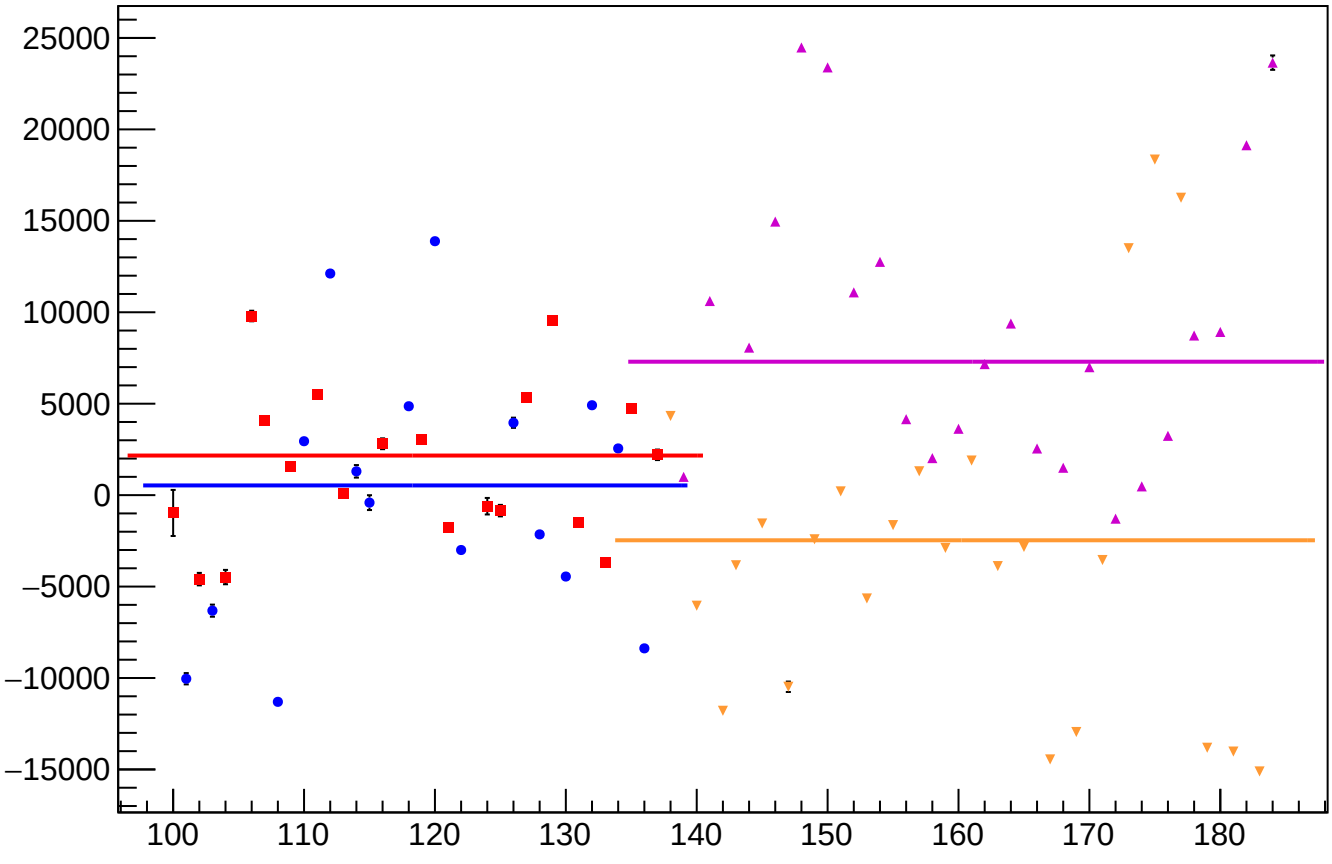
Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 109.680+/-0.016 χ^2/NDF: 2818637.0/39

All: 109.498+/-0.011 χ^2/NDF: 5840950.6/81

- sign 109.314+/-0.016 χ^2/NDF: 3022048.3/41



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

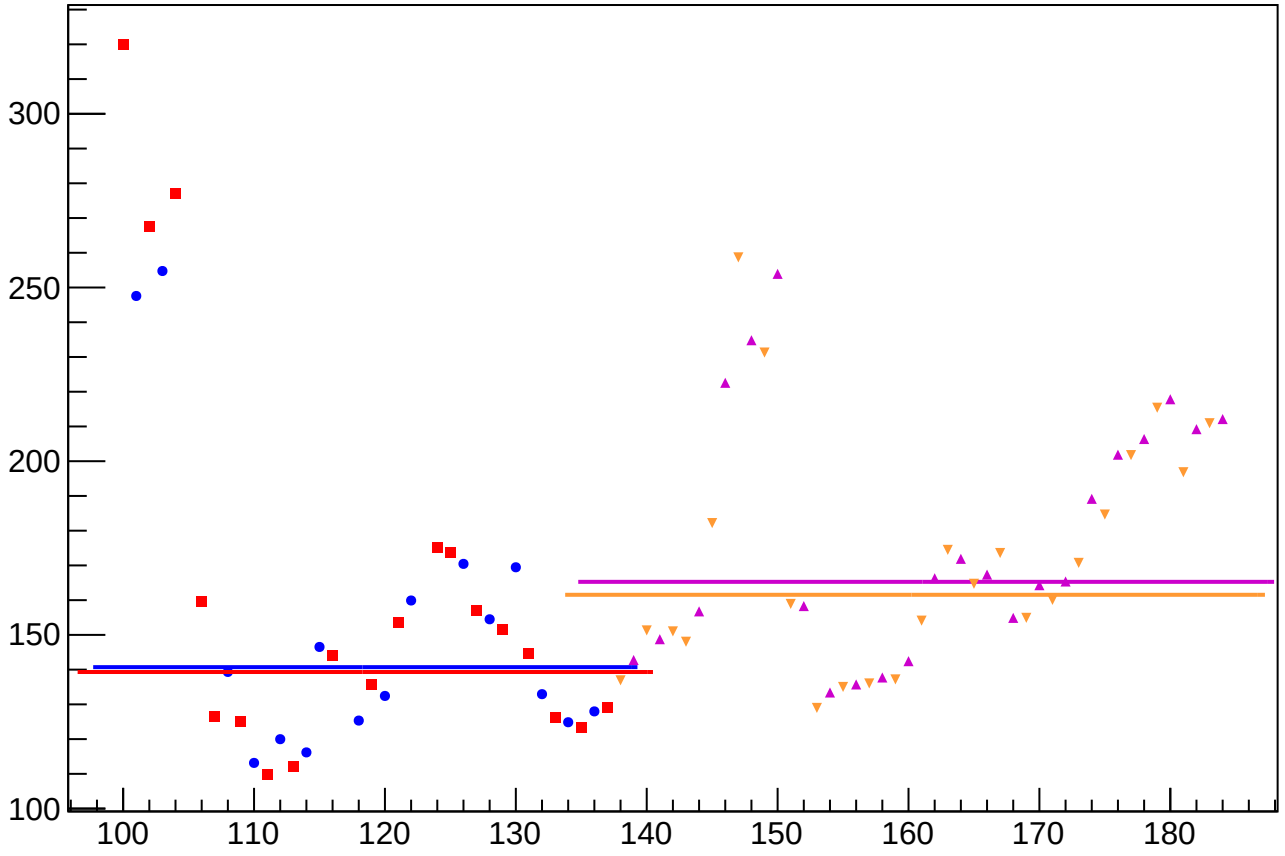
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -1503.317+/-31.124 χ^2/NDF: 67315.2/39

All: 1912.248+/-22.246 χ^2/NDF: 127598.5/81

- sign 5479.592+/-31.808 χ^2/NDF: 35662.0/41

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

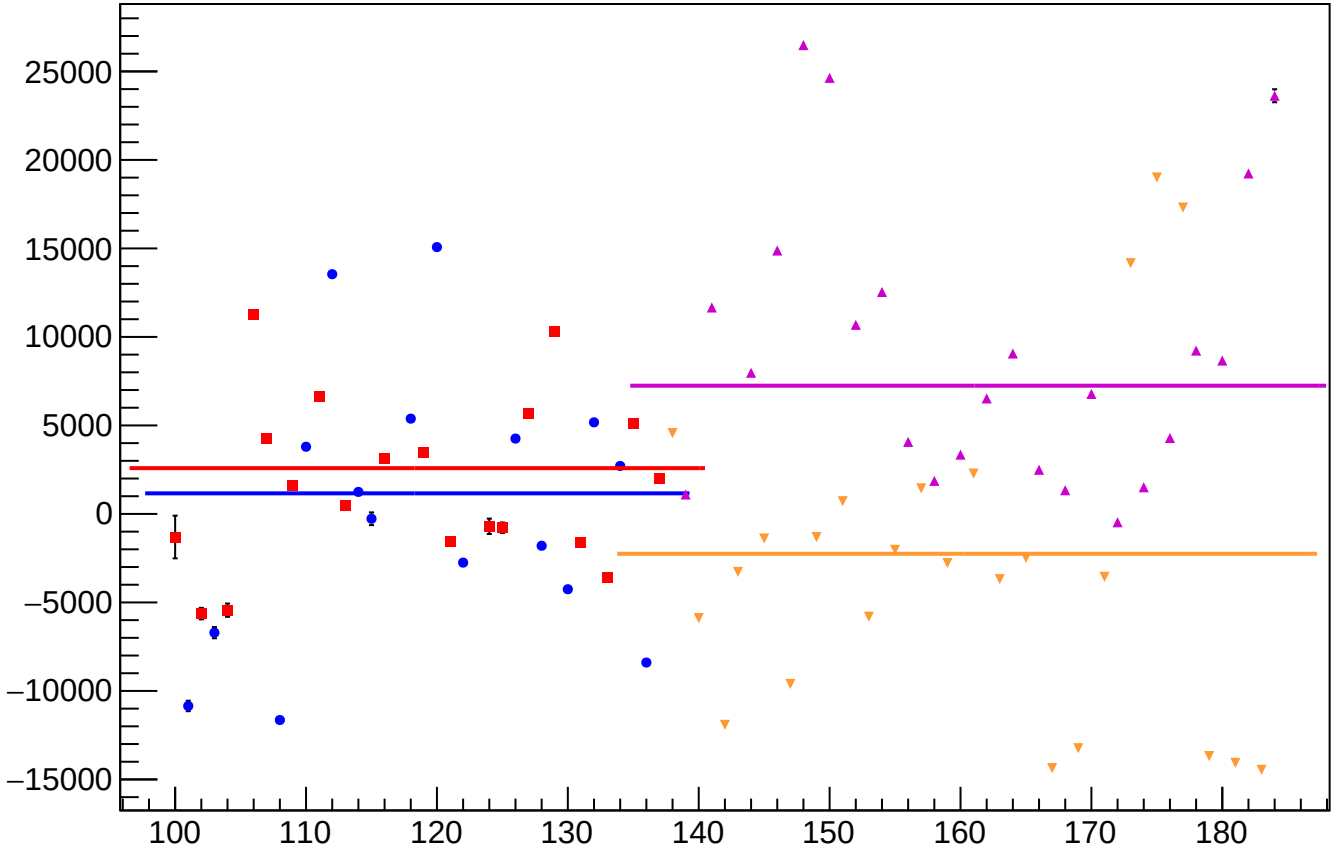
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 154.839+/-0.022 χ^2/NDF: 1986483.5/39

All: 155.447+/-0.016 χ^2/NDF: 4274016.2/81

- sign 156.083+/-0.022 χ^2/NDF: 2285967.5/41

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

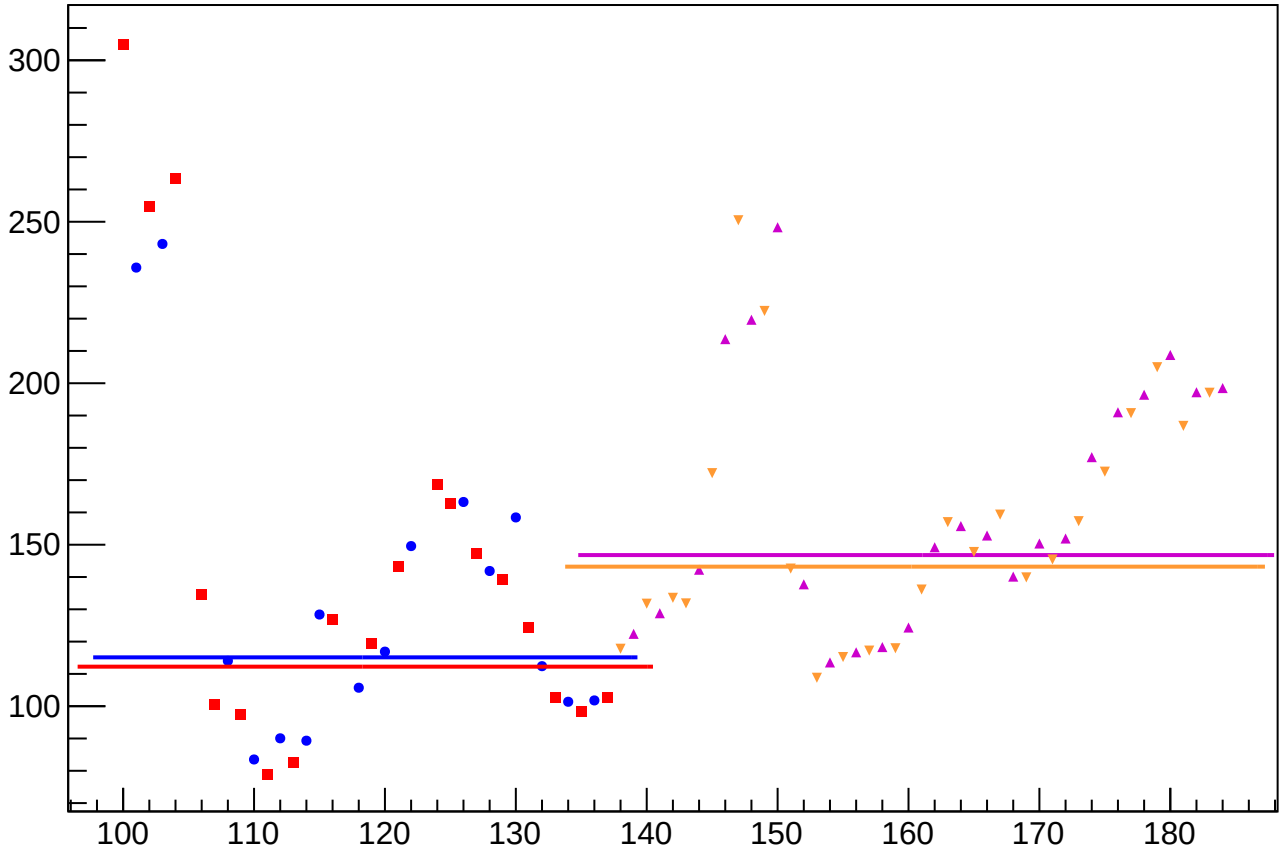
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign -1051.987+/-27.226 χ^2/NDF: 91499.1/39

All: 2128.984+/-19.415 χ^2/NDF: 164562.8/81

- sign 5420.615+/-27.695 χ^2/NDF: 45287.1/41

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

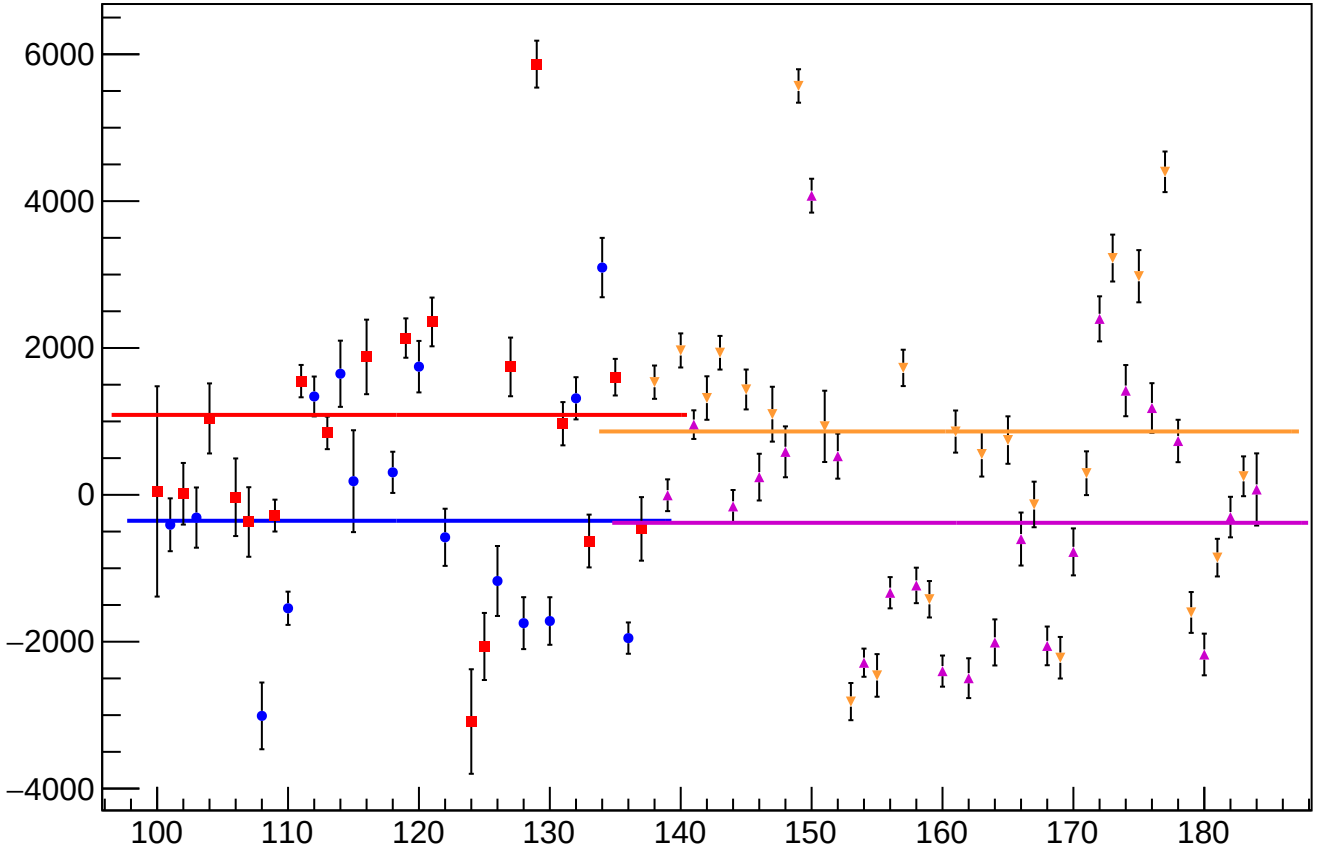
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 133.341+/-0.019 χ^2/NDF: 3220324.7/39

All: 133.302+/-0.014 χ^2/NDF: 6984676.0/81

- sign 133.262+/-0.020 χ^2/NDF: 3764342.9/41

asym_bpm0l01WS_mean vs Slug



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

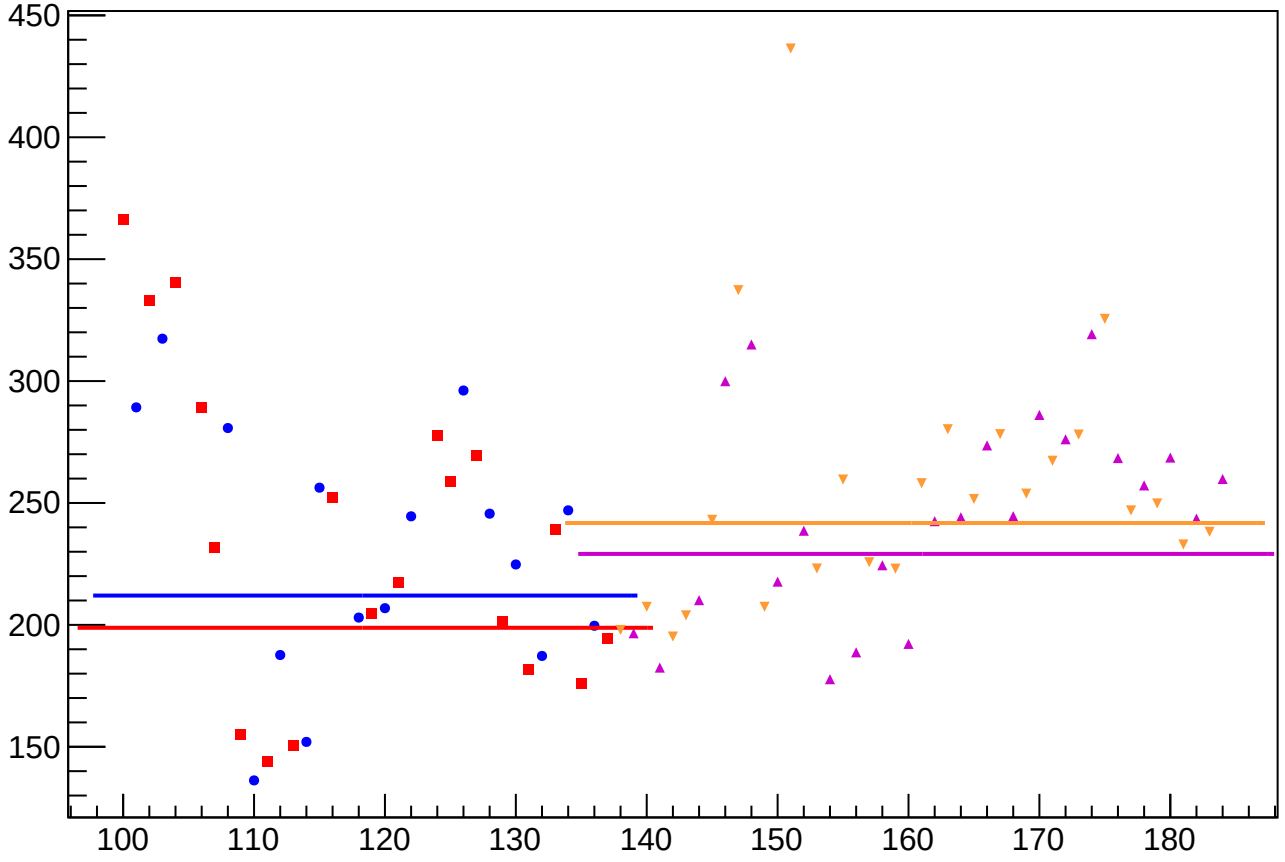
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 471.287+/-46.627 χ^2/NDF: 1952.4/39

All: 289.361+/-32.274 χ^2/NDF: 3654.2/81

- sign 122.029+/-44.718 χ^2/NDF: 1672.7/41

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

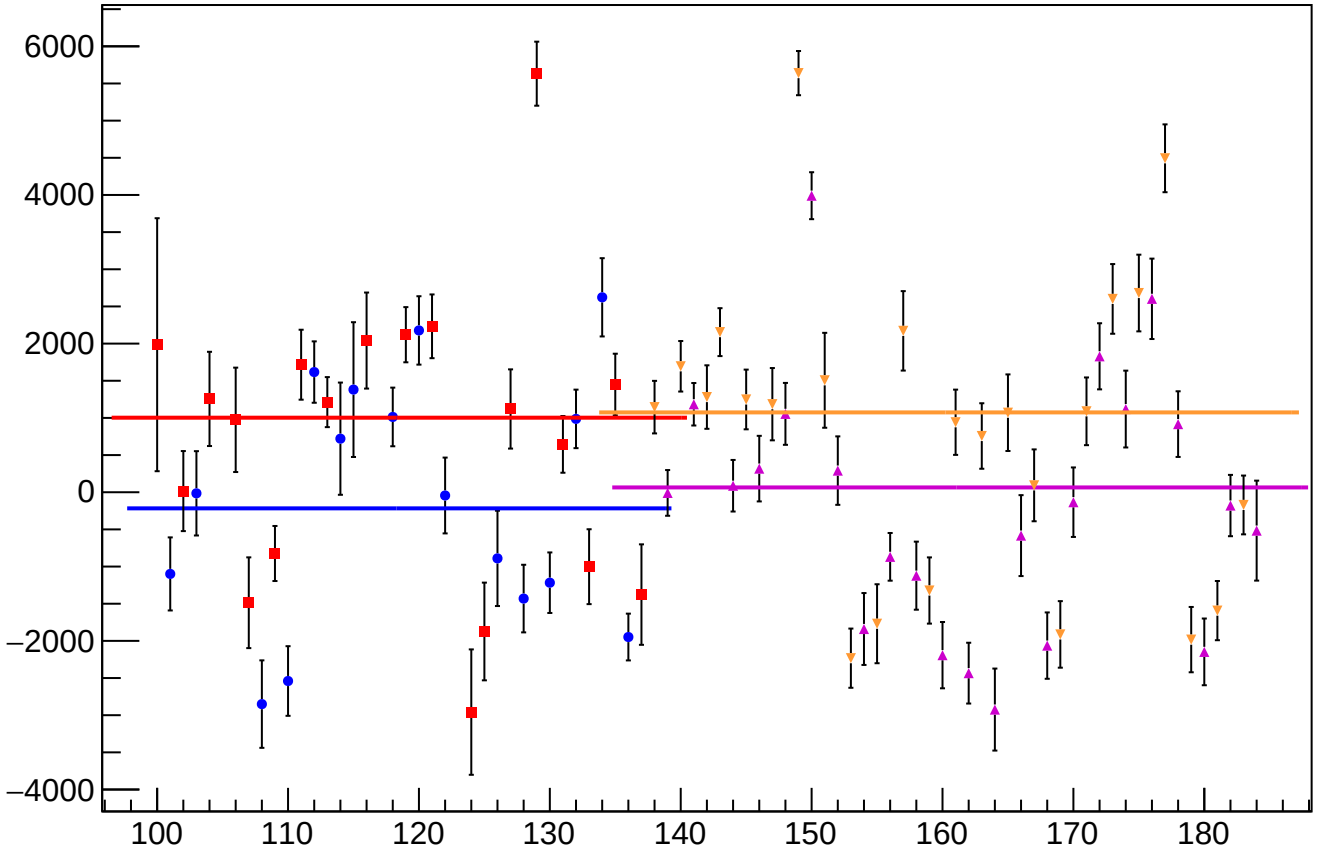
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.196+/-0.033 χ^2/NDF: 1854614.3/39

All: 225.185+/-0.023 χ^2/NDF: 4191923.8/81

- sign 218.737+/-0.032 χ^2/NDF: 2250500.8/41

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

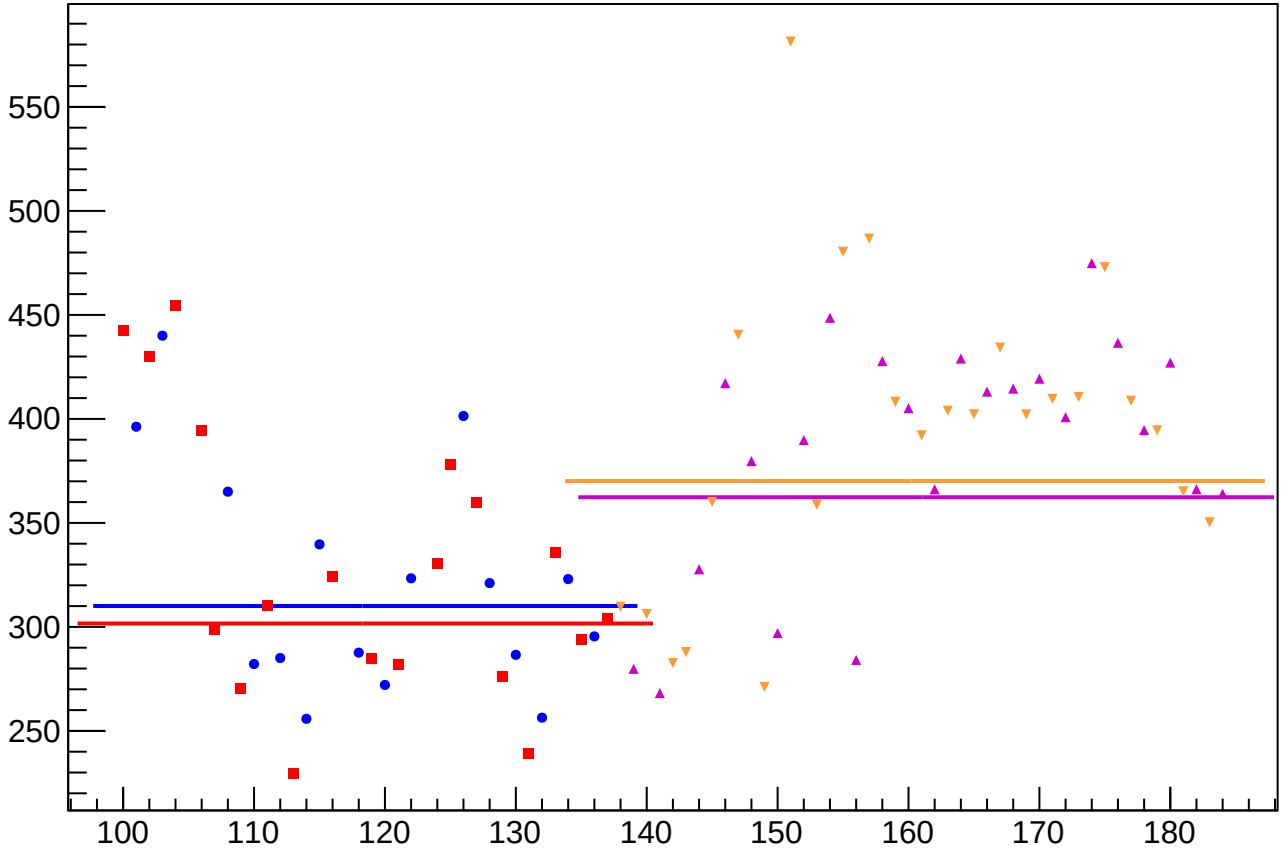
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 621.959+/-69.766 χ^2/NDF: 880.9/39

All: 515.368+/-48.984 χ^2/NDF: 1577.7/81

- sign 411.737+/-68.791 χ^2/NDF: 692.1/41

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

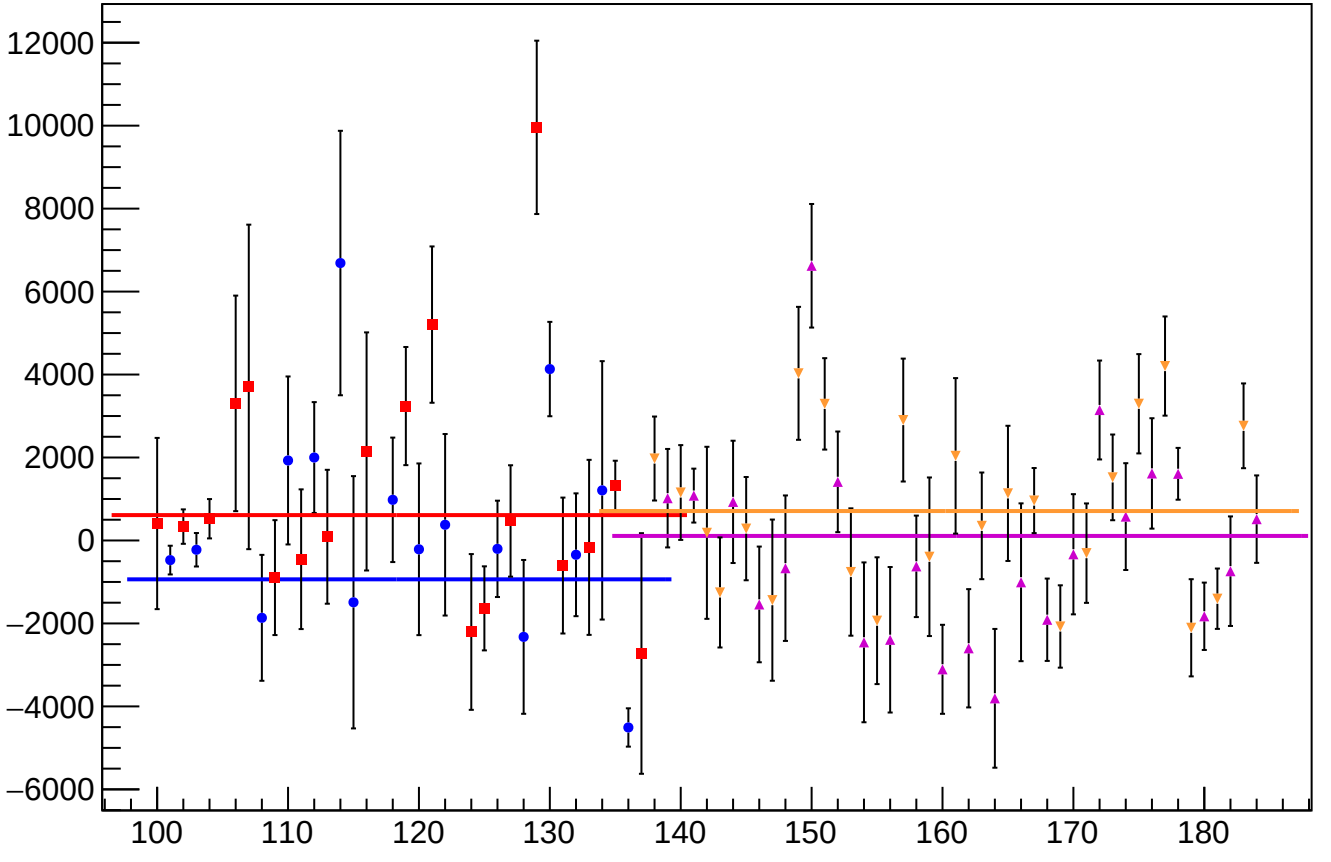
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 349.095+/-0.049 χ^2/NDF: 1890245.7/39

All: 344.427+/-0.035 χ^2/NDF: 3844174.1/81

- sign 339.888+/-0.049 χ^2/NDF: 1936266.2/41

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

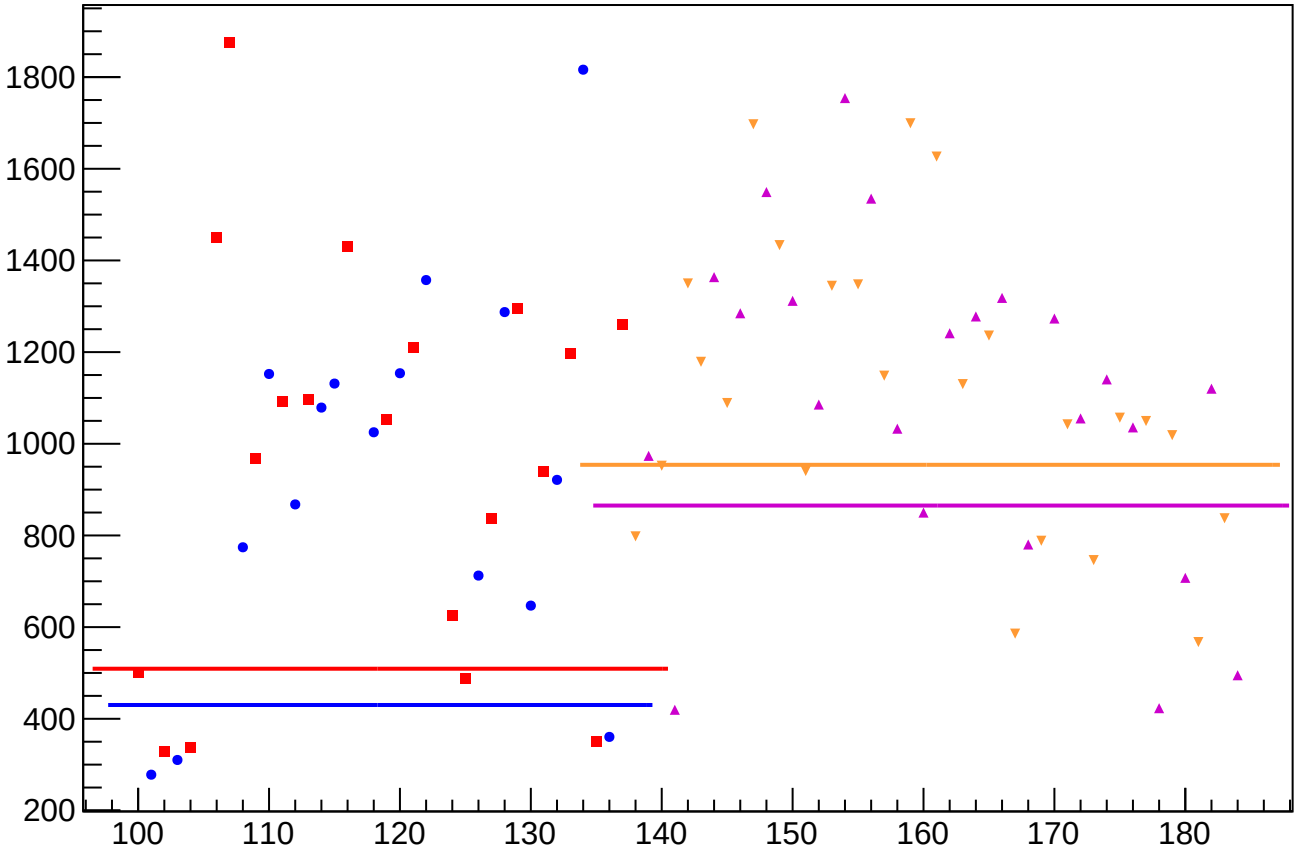
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -257.672+/-156.902 χ^2/NDF: 190.8/39

All: 35.496+/-114.185 χ^2/NDF: 316.4/81

- sign 365.586+/-166.489 χ^2/NDF: 118.1/41

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

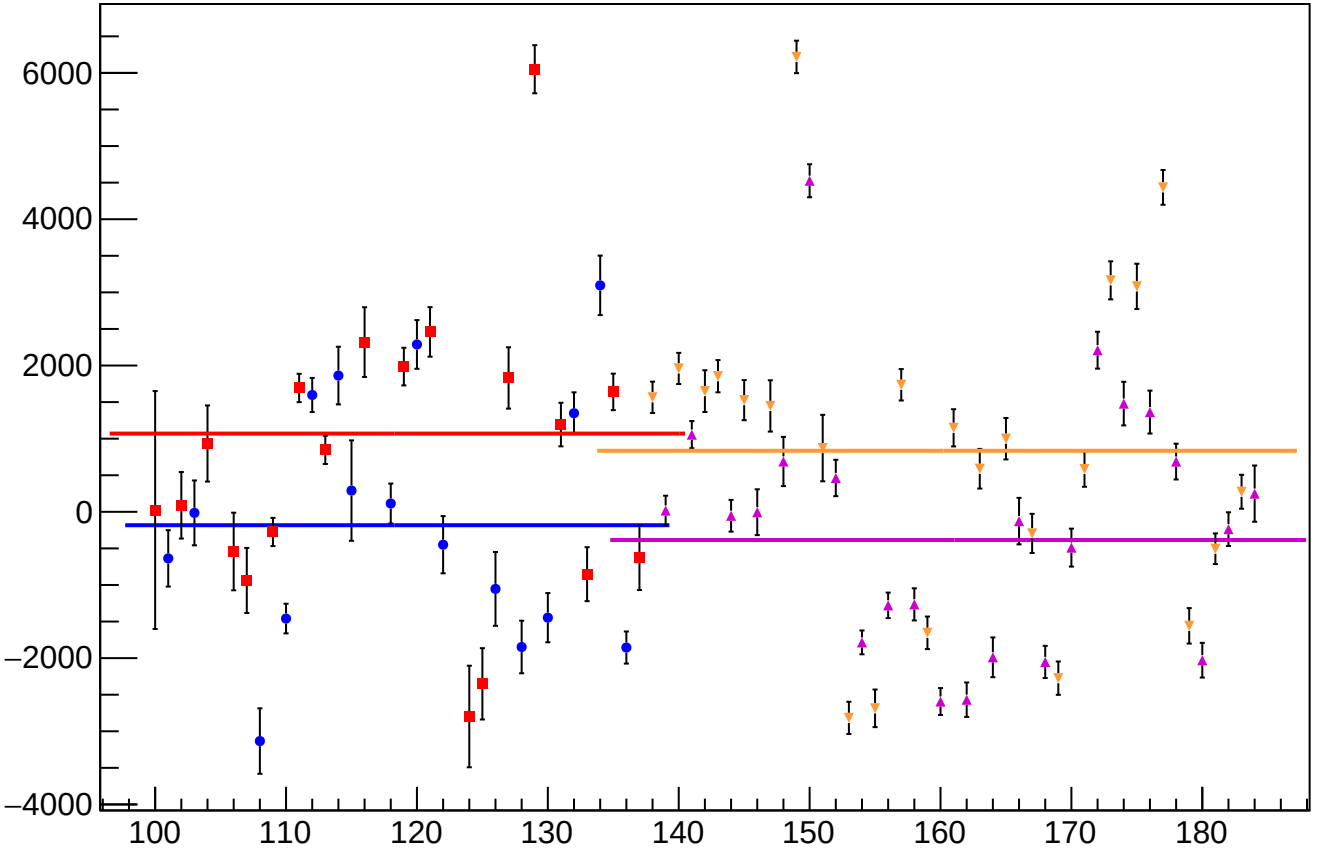
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 646.306+/-0.111 χ^2/NDF: 11769452.2/39

All: 663.891+/-0.081 χ^2/NDF: 22574018.2/81

- sign 683.690+/-0.118 χ^2/NDF: 10751157.7/41

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

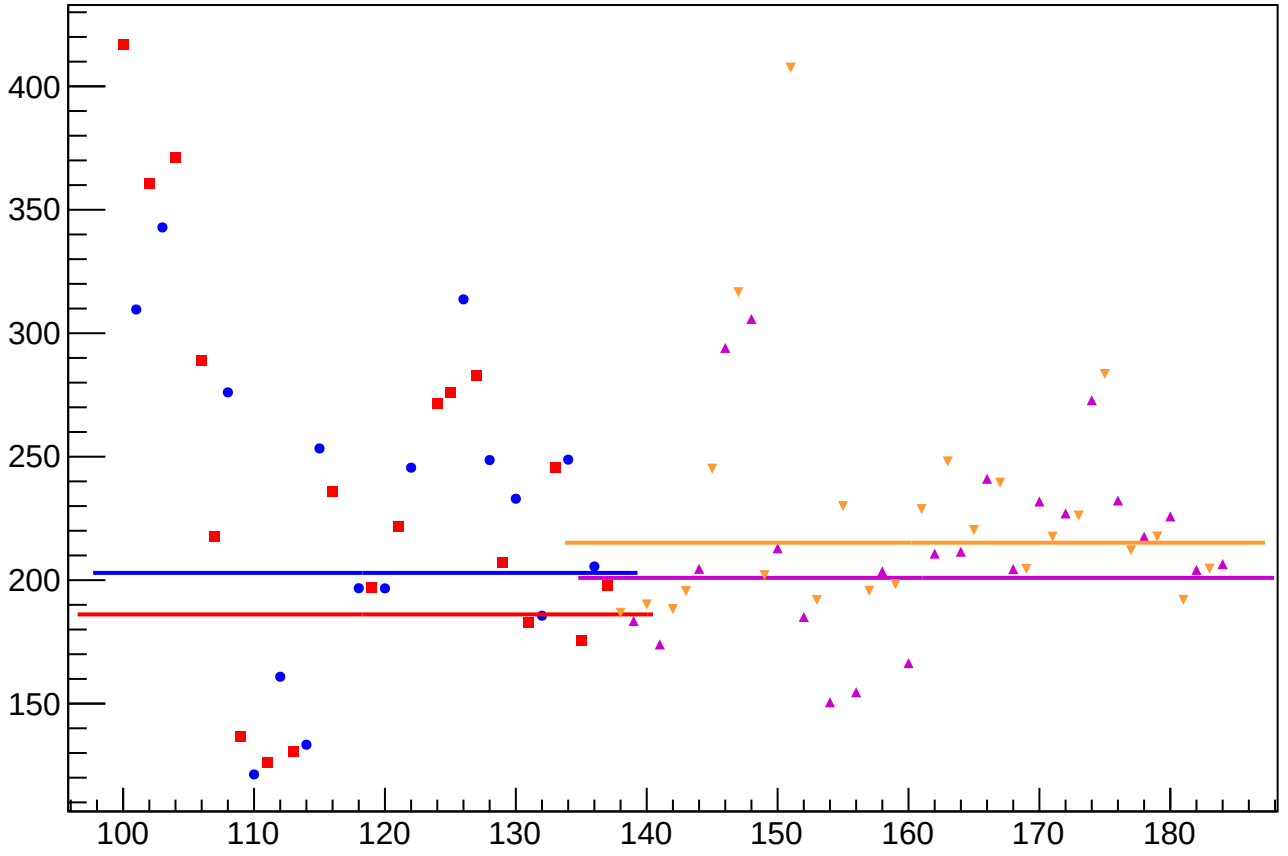
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 545.031+/-42.613 χ^2/NDF: 2519.6/39

All: 289.162+/-29.311 χ^2/NDF: 4609.0/81

- sign 59.395+/-40.381 χ^2/NDF: 2020.9/41

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

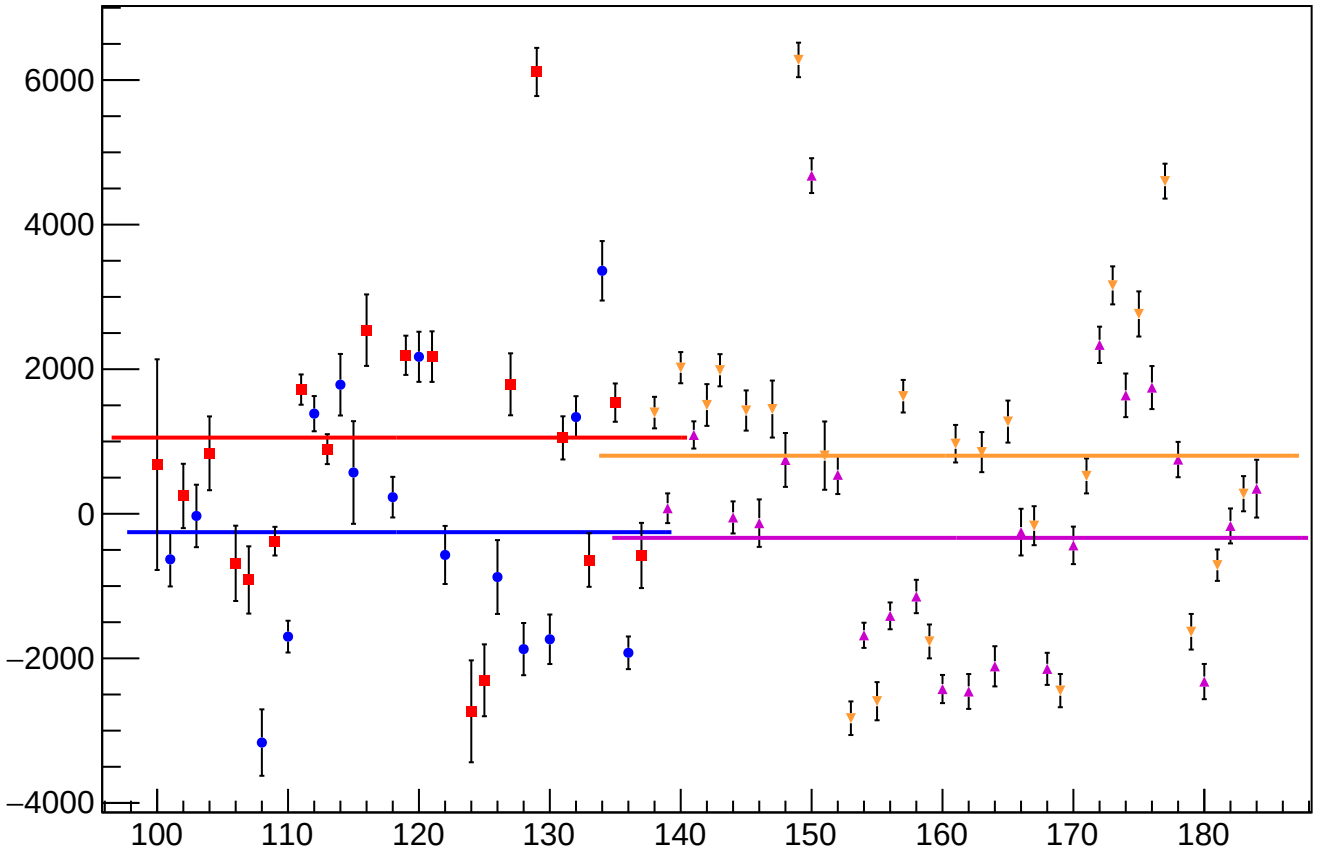
Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 211.696+/-0.030 χ^2/NDF: 2002041.2/39

All: 203.637+/-0.021 χ^2/NDF: 4782232.4/81

- sign 196.399+/-0.029 χ^2/NDF: 2644413.6/41



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

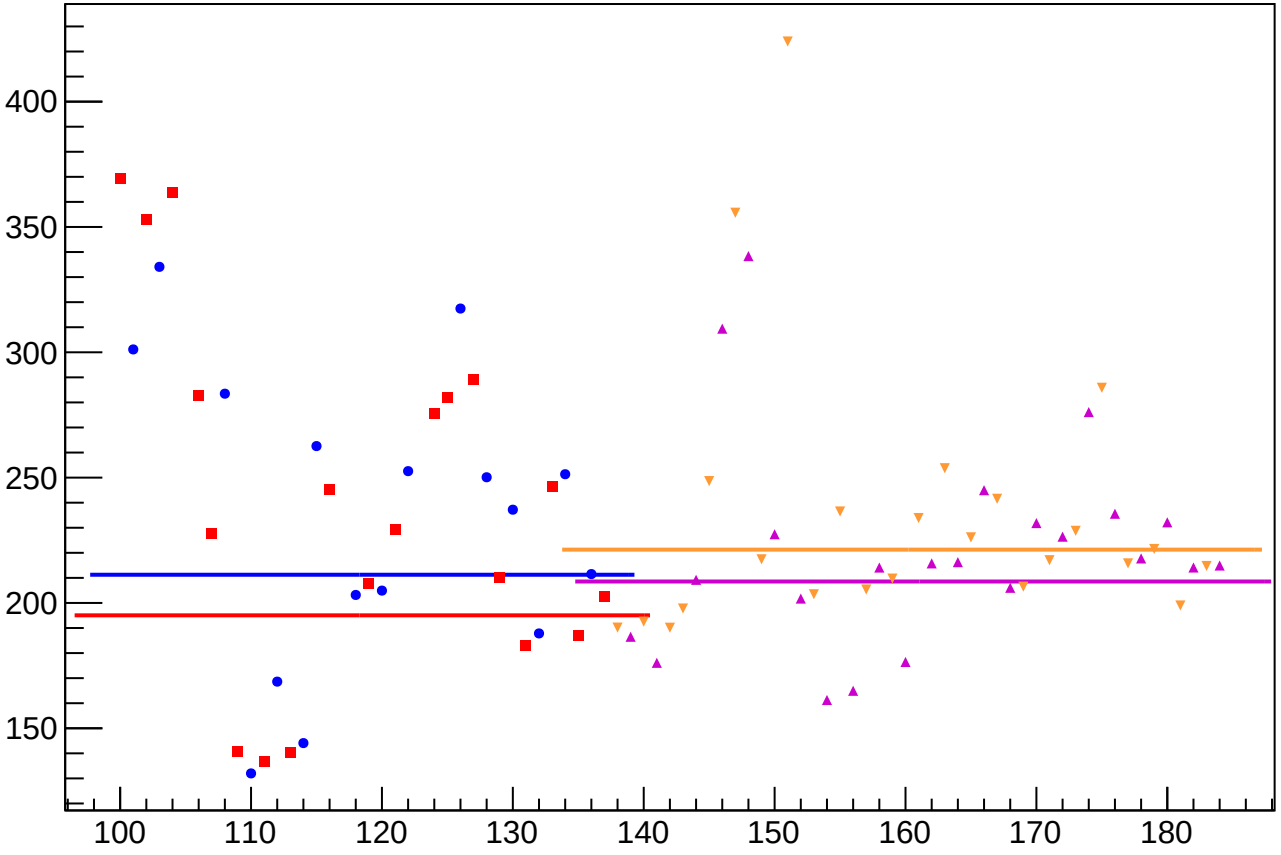
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 504.191+/-43.872 χ^2/NDF: 2411.5/39

All: 286.533+/-30.293 χ^2/NDF: 4383.5/81

- sign 88.200+/-41.879 χ^2/NDF: 1924.9/41

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

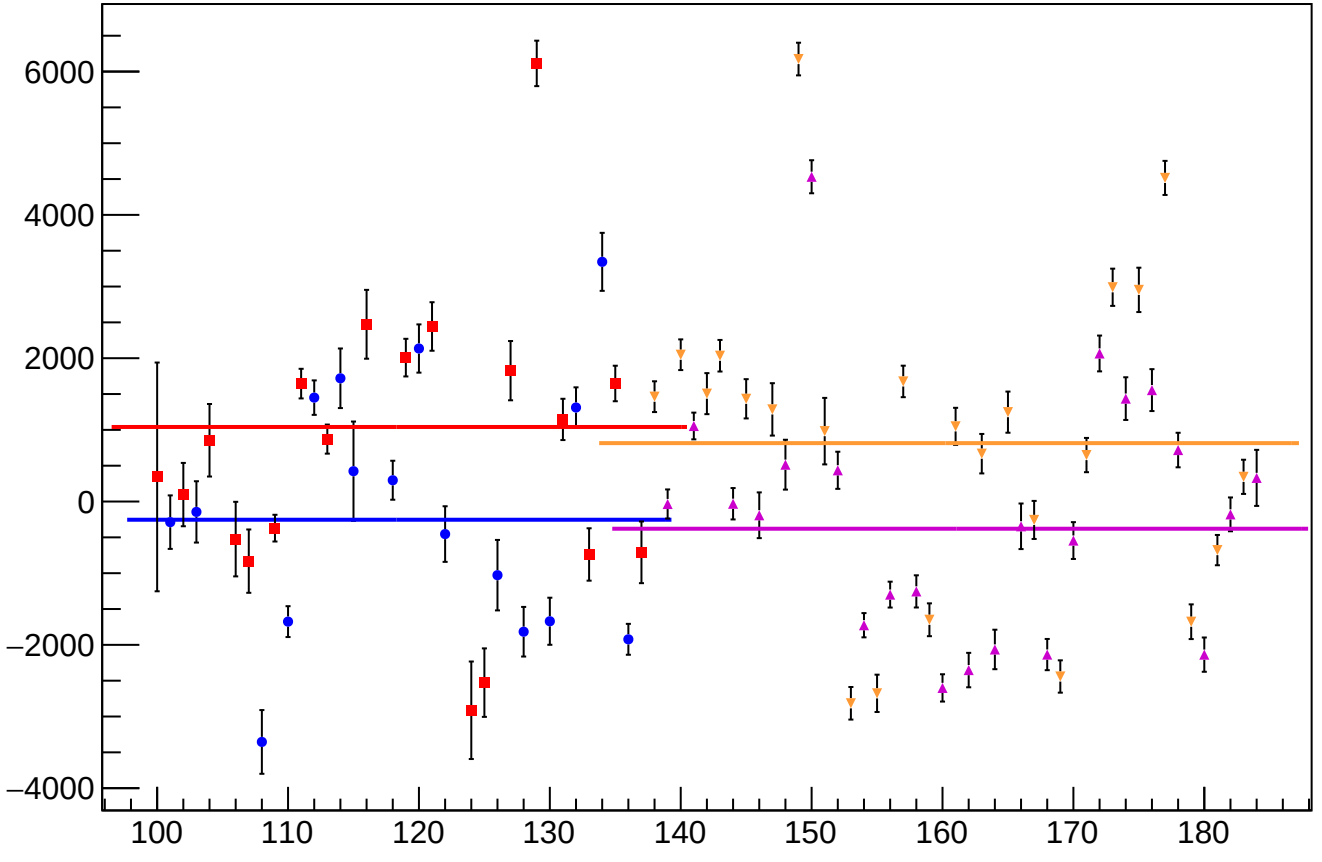
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 218.434+/-0.031 χ^2/NDF: 1844681.0/39

All: 211.120+/-0.021 χ^2/NDF: 4315377.8/81

- sign 204.455+/-0.030 χ^2/NDF: 2364449.6/41

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

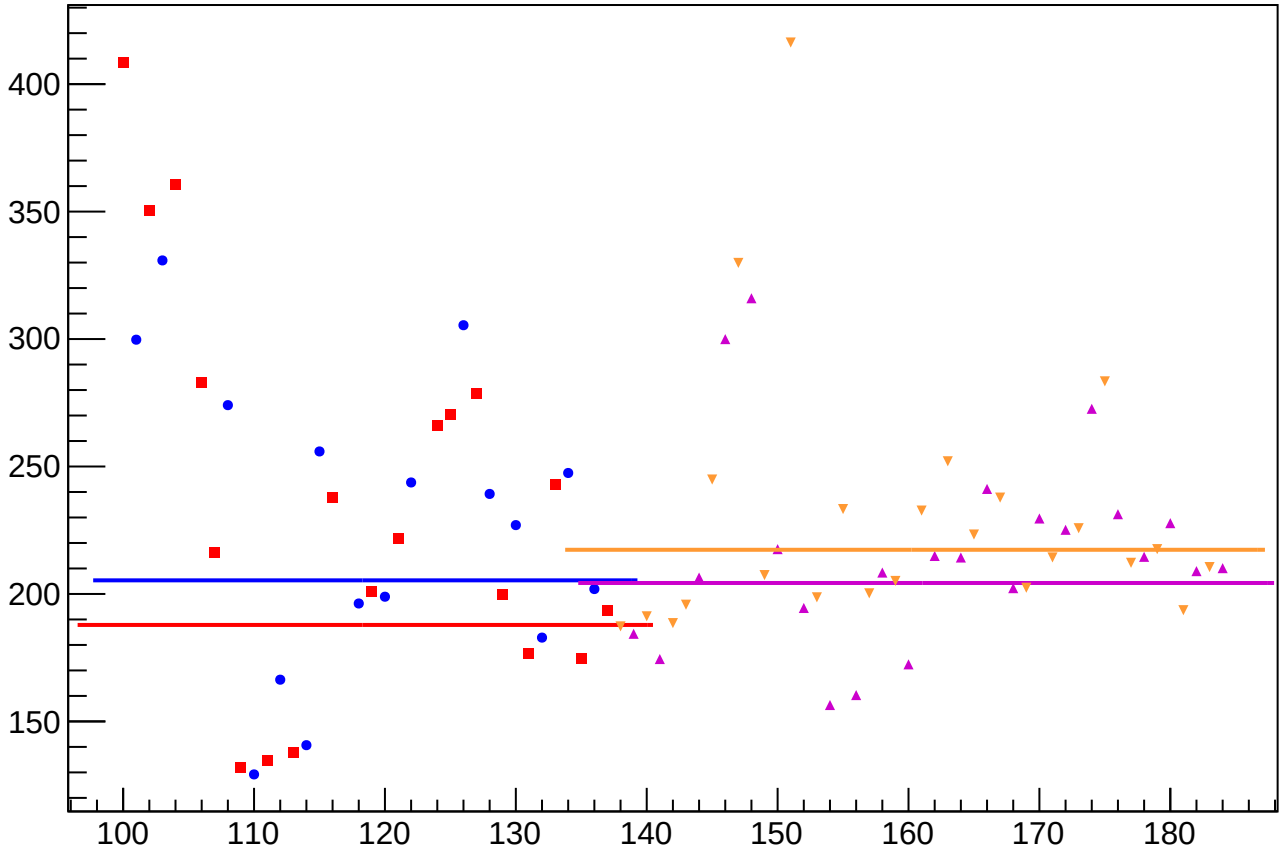
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 508.268+/-42.965 χ^2/NDF: 2511.7/39

All: 273.222+/-29.606 χ^2/NDF: 4561.7/81

- sign 60.722+/-40.852 χ^2/NDF: 1993.1/41

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

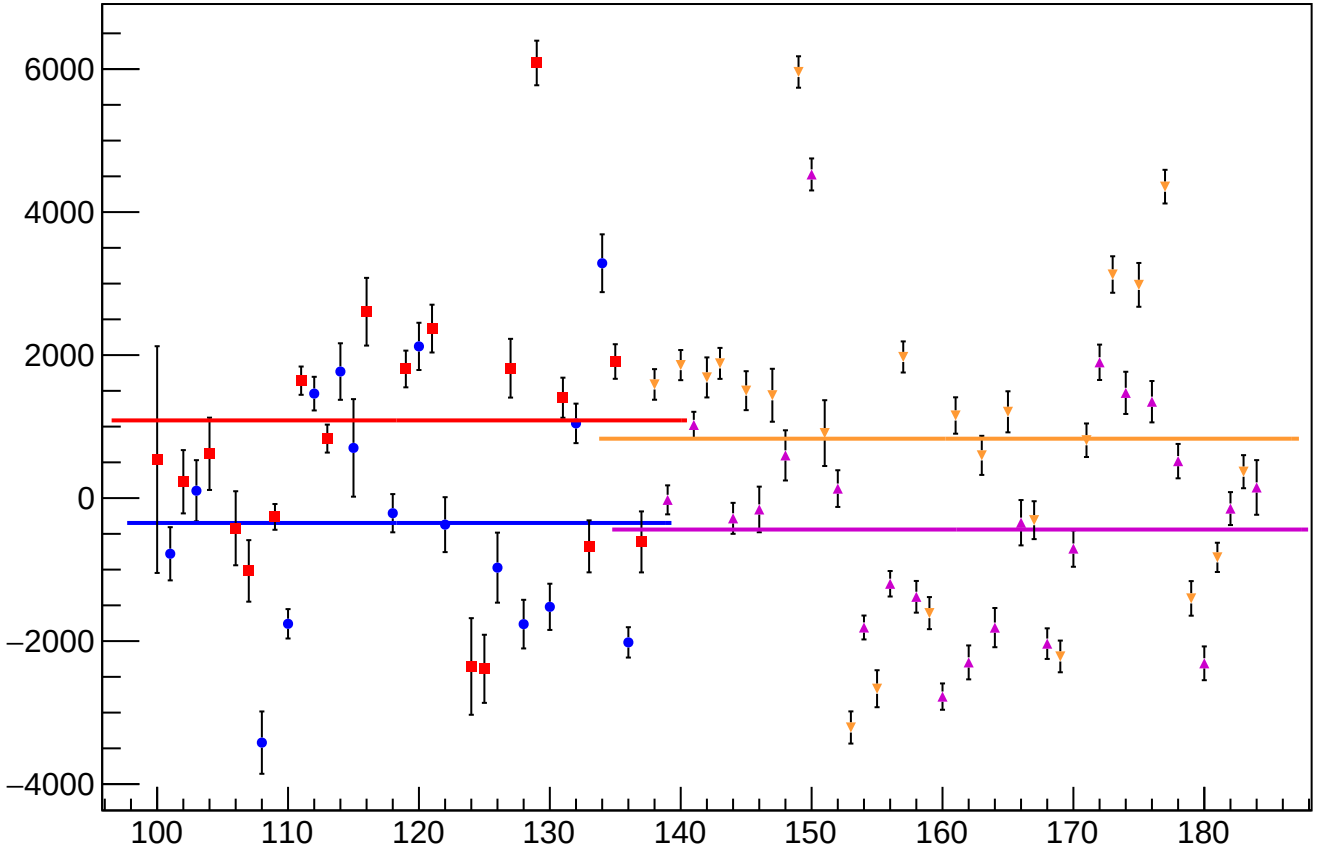
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 213.893+/-0.030 χ^2/NDF: 1819104.0/39

All: 206.179+/-0.021 χ^2/NDF: 4363437.0/81

- sign 199.204+/-0.029 χ^2/NDF: 2421555.4/41

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

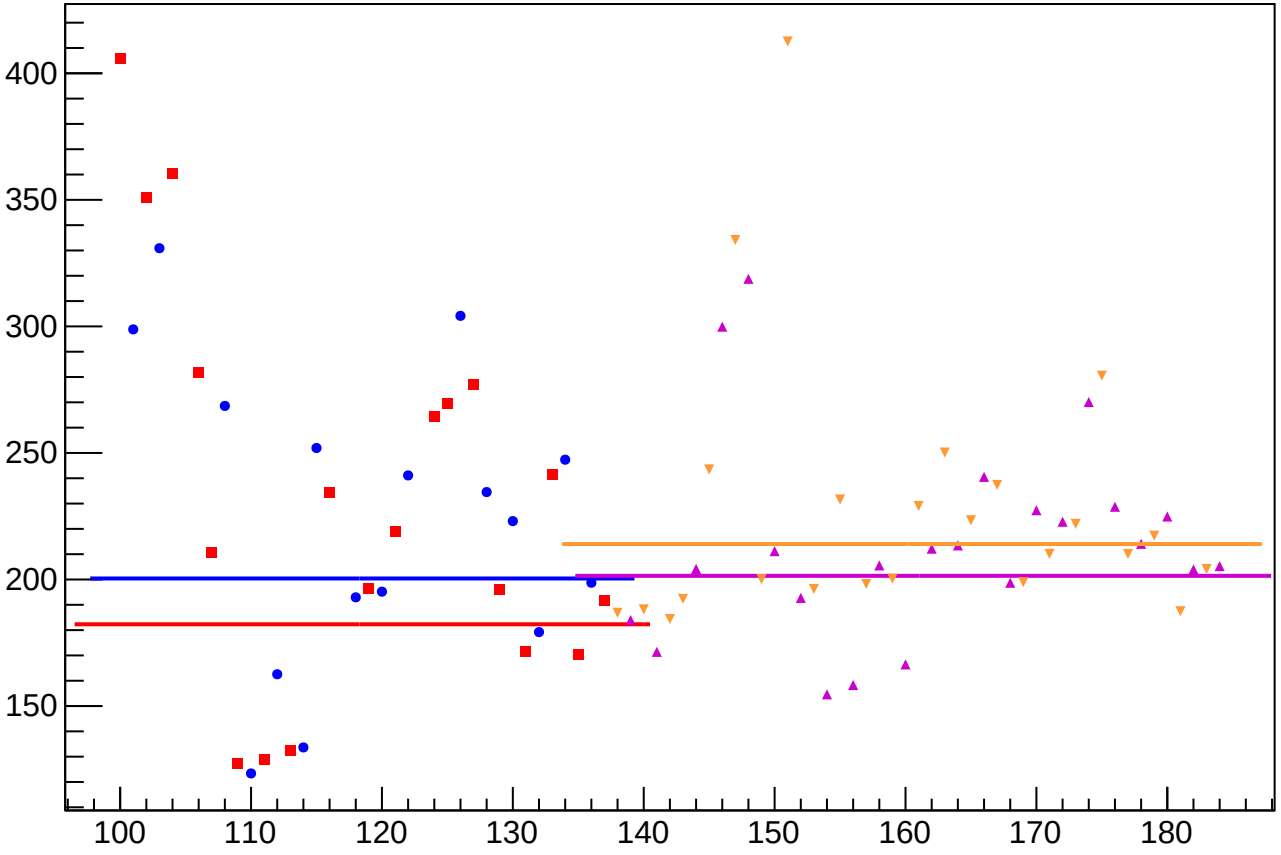
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 489.668+/-42.271 χ^2/NDF: 2599.0/39

All: 254.098+/-29.117 χ^2/NDF: 4732.0/81

- sign 41.428+/-40.164 χ^2/NDF: 2073.9/41

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

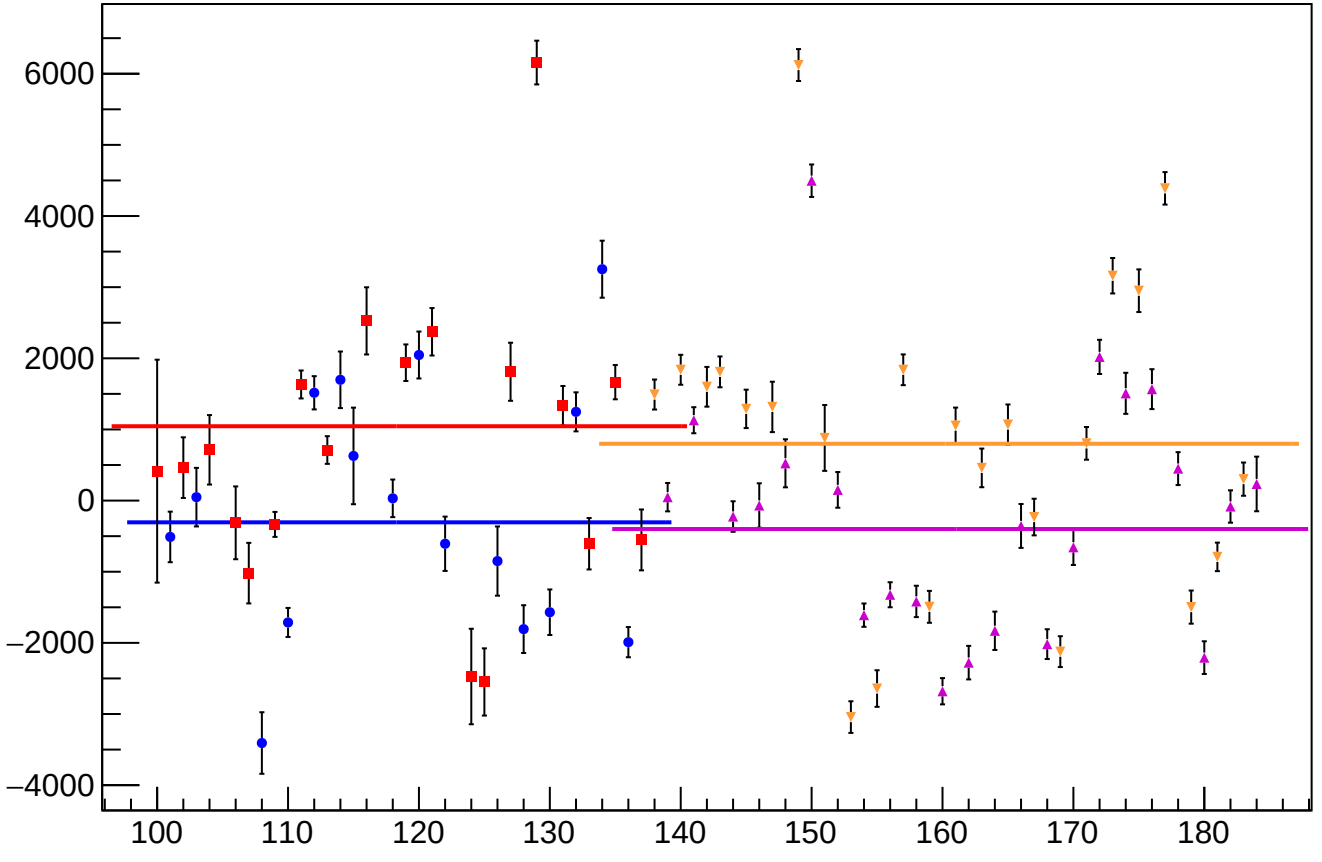
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 210.067+/-0.030 χ^2/NDF: 1963920.2/39

All: 202.365+/-0.021 χ^2/NDF: 4697518.3/81

- sign 195.411+/-0.028 χ^2/NDF: 2607246.5/41

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

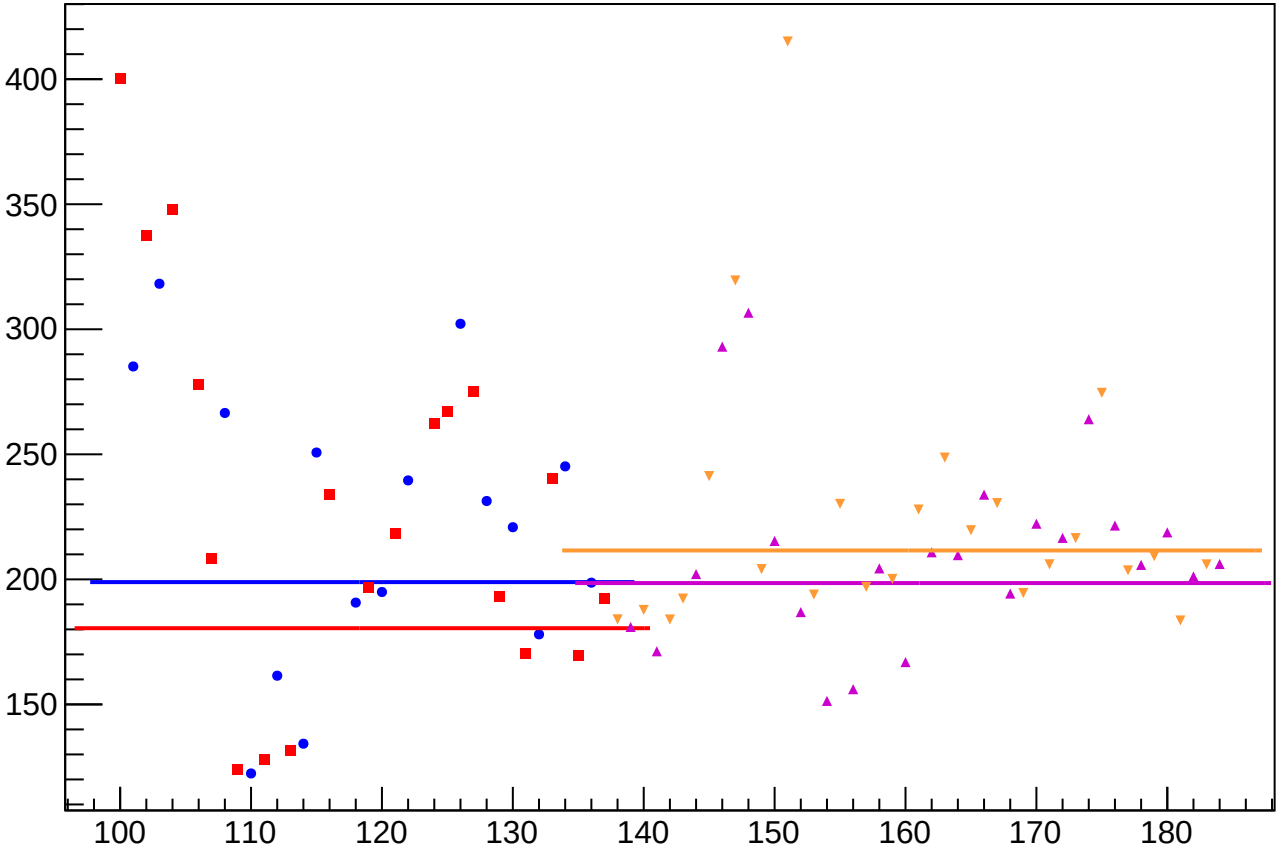
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 480.378+/-41.811 χ^2/NDF: 2588.7/39

All: 255.075+/-28.763 χ^2/NDF: 4713.9/81

- sign 52.650+/-39.631 χ^2/NDF: 2070.1/41

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

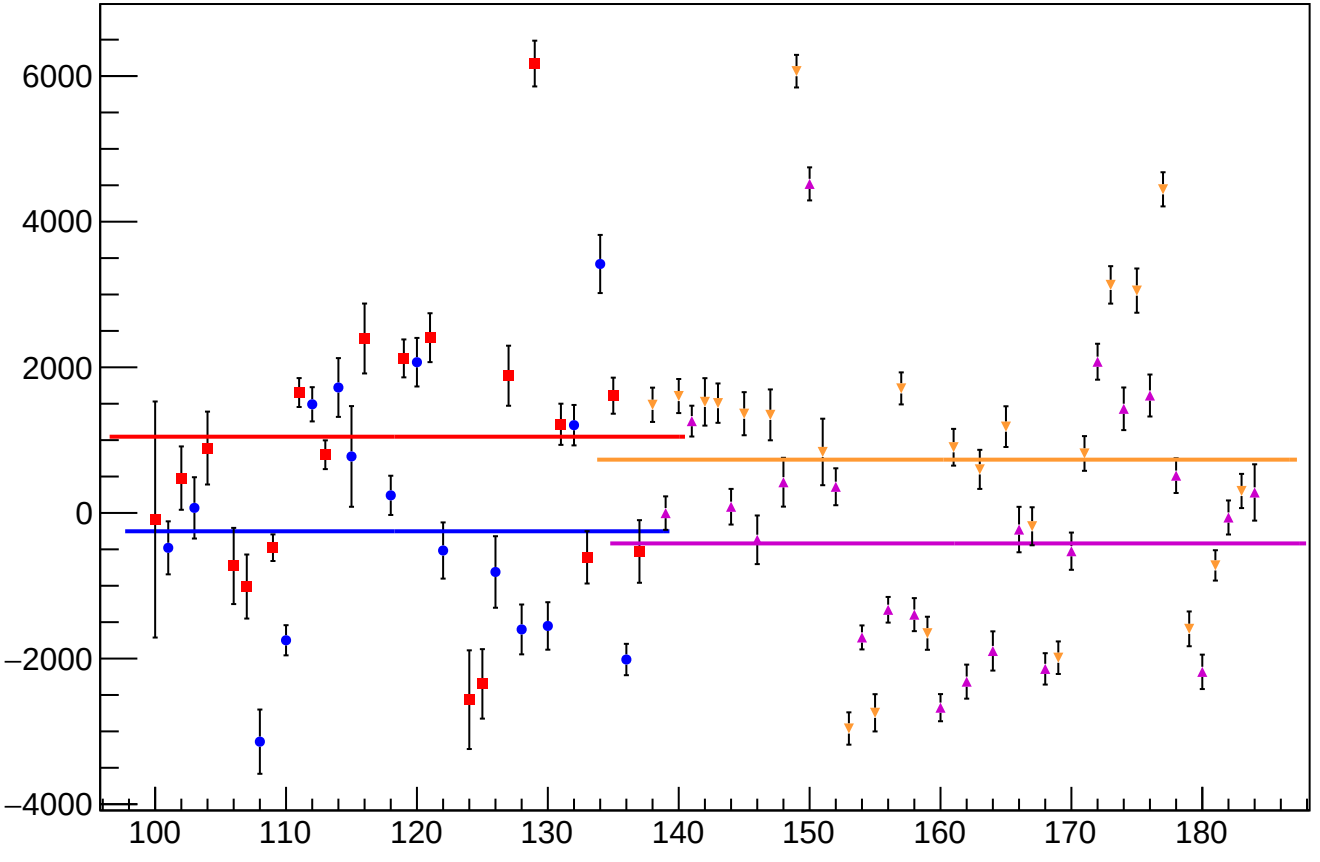
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 207.908+/-0.030 χ^2/NDF: 1885124.8/39

All: 199.988+/-0.020 χ^2/NDF: 4551513.7/81

- sign 192.872+/-0.028 χ^2/NDF: 2530141.2/41

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

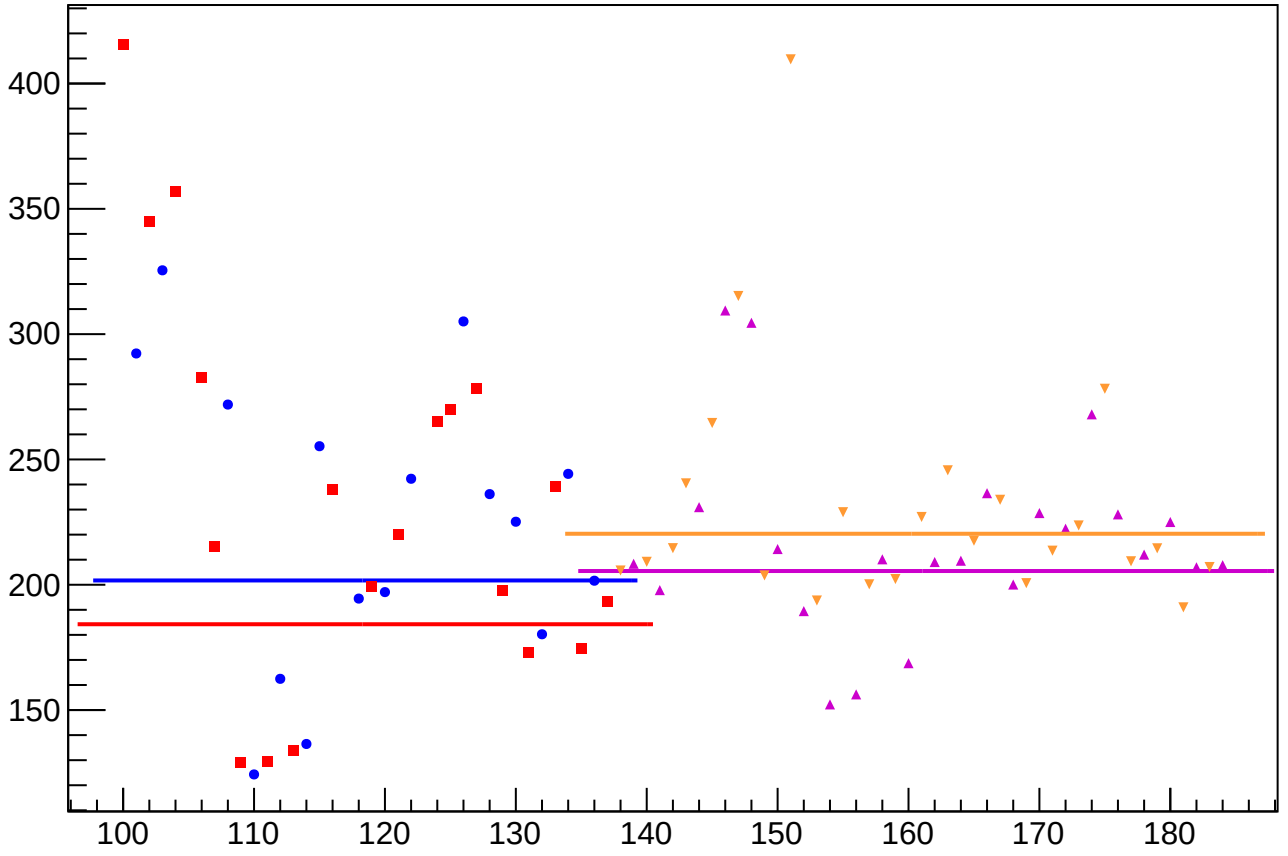
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 438.275+/-43.148 χ^2/NDF: 2461.7/39

All: 233.714+/-29.660 χ^2/NDF: 4572.3/81

- sign 50.470+/-40.838 χ^2/NDF: 2068.0/41

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

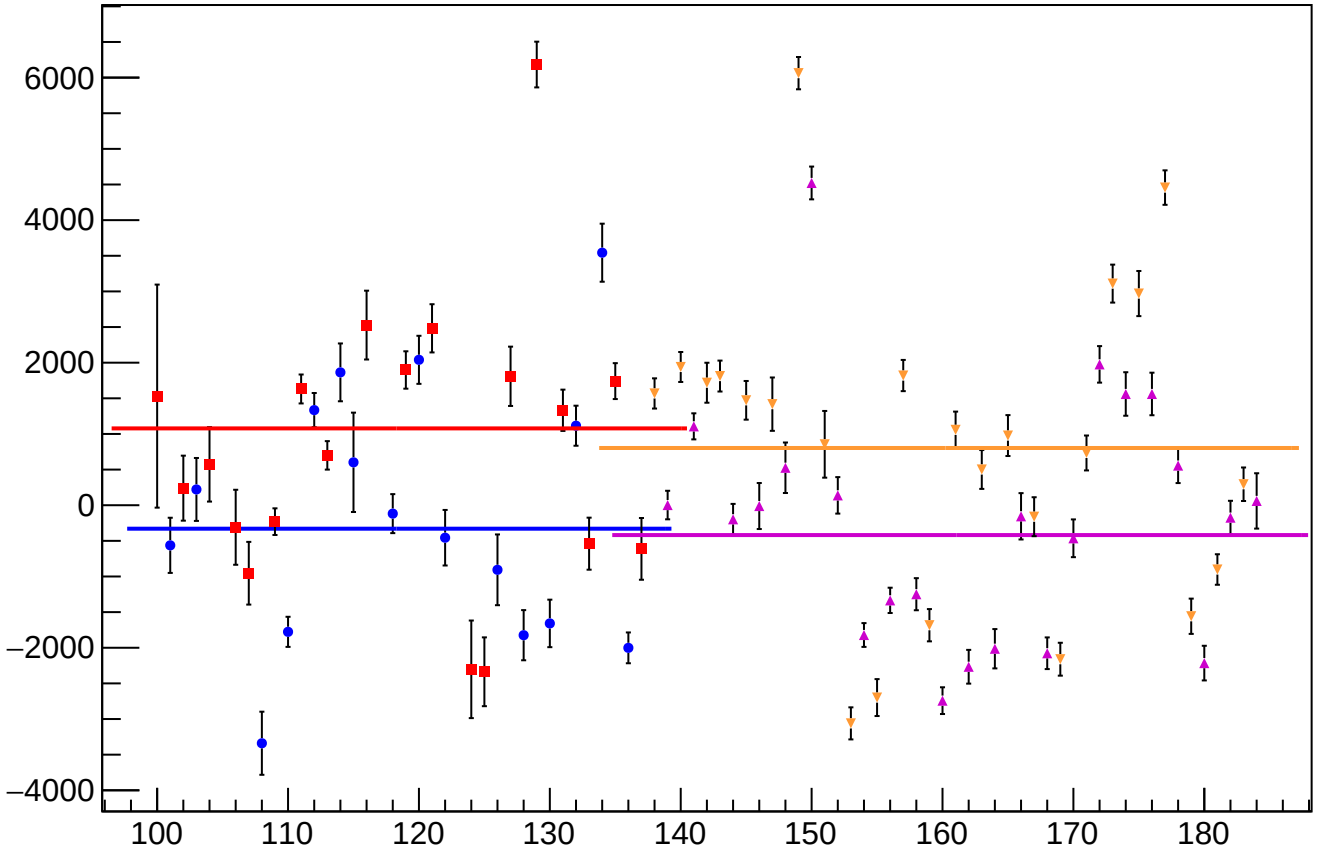
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 214.786+/-0.031 χ^2/NDF: 1800041.9/39

All: 206.293+/-0.021 χ^2/NDF: 4482369.0/81

- sign 198.685+/-0.029 χ^2/NDF: 2535431.2/41

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

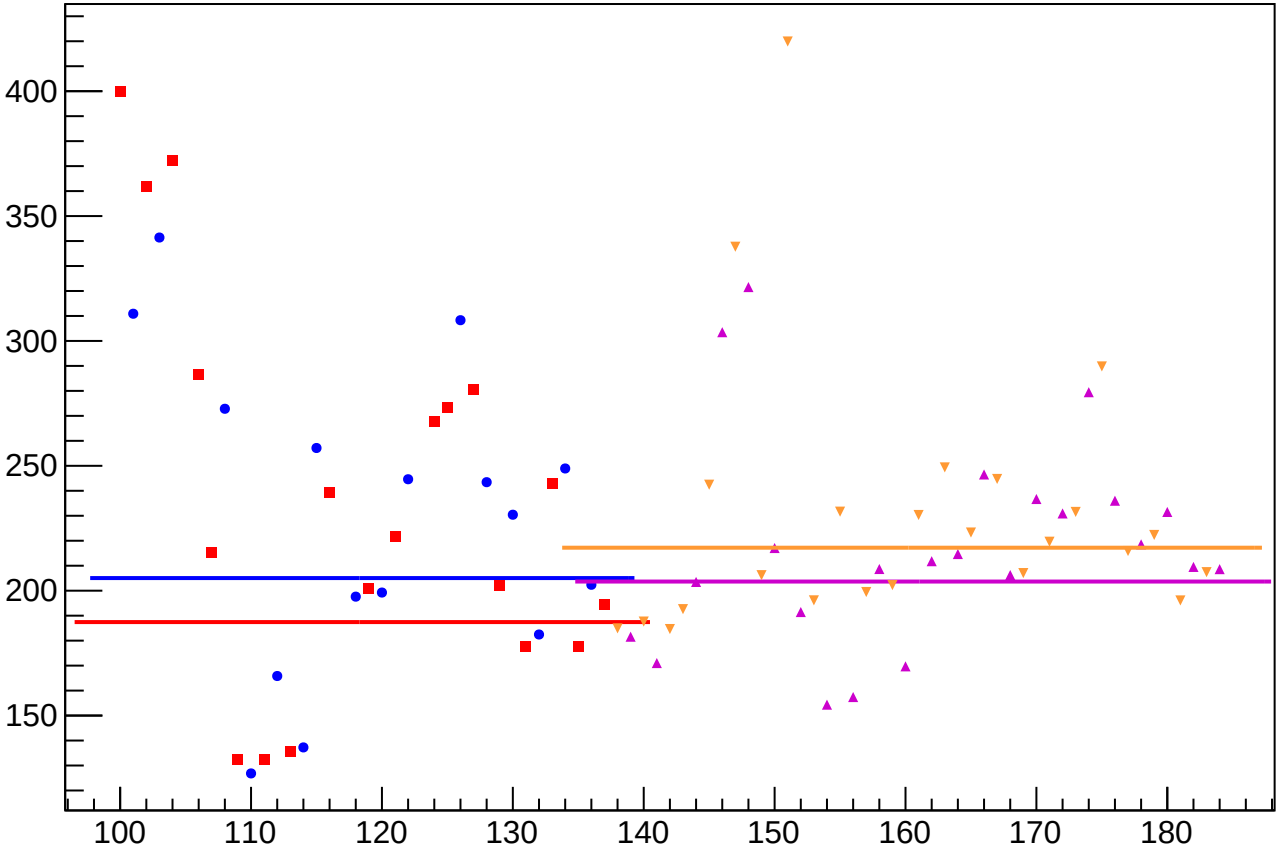
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

\+ sign 478.662+/-43.014 χ^2/NDF: 2509.2/39

All: 250.344+/-29.617 χ^2/NDF: 4562.8/81

\- sign 44.506+/-40.841 χ^2/NDF: 2000.0/41

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

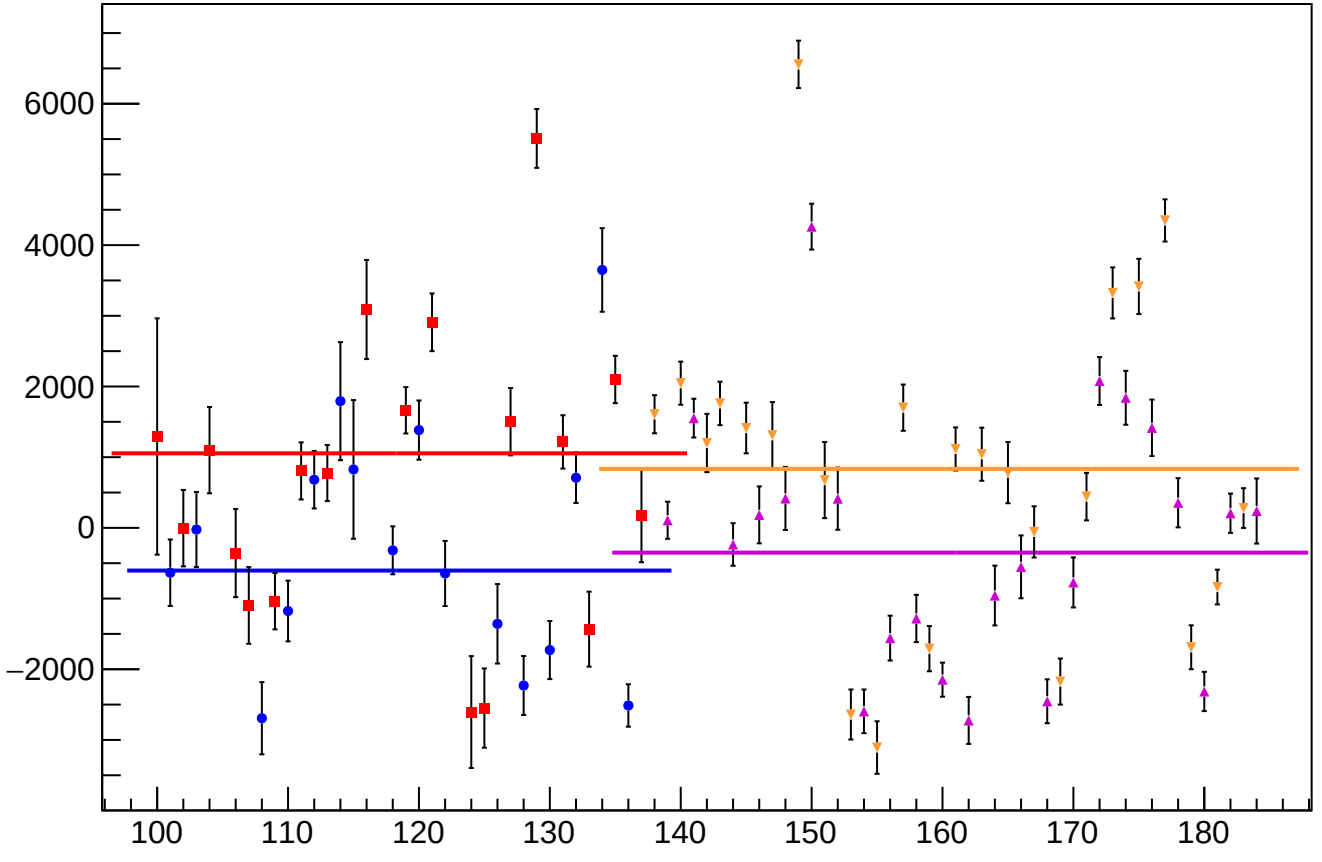
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 213.728+/-0.030 χ^2/NDF: 1977429.2/39

All: 205.791+/-0.021 χ^2/NDF: 4750546.3/81

- sign 198.636+/-0.029 χ^2/NDF: 2643633.3/41

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

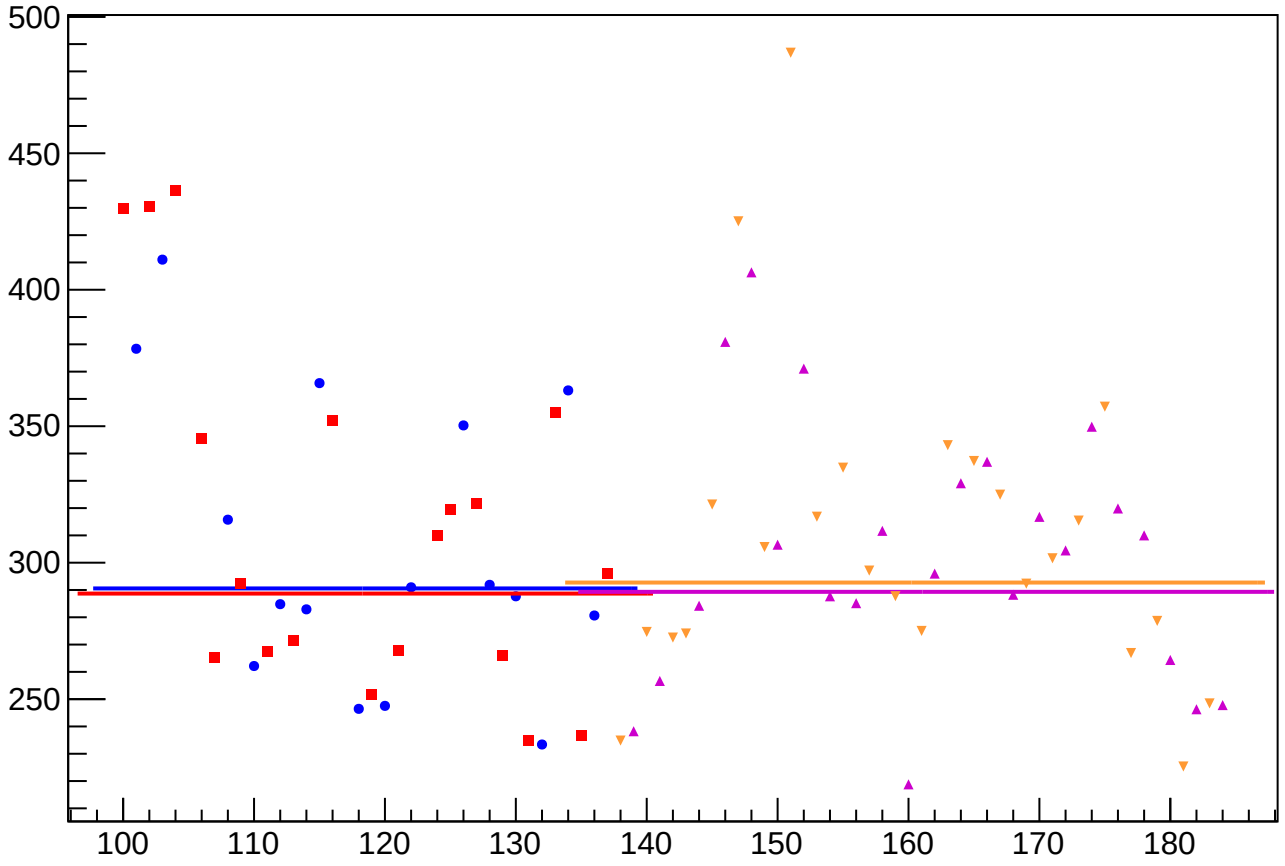
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 437.340+/-58.157 χ^2/NDF: 1363.0/39

All: 246.500+/-41.131 χ^2/NDF: 2458.0/81

- sign 55.524+/-58.178 χ^2/NDF: 1073.5/41

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

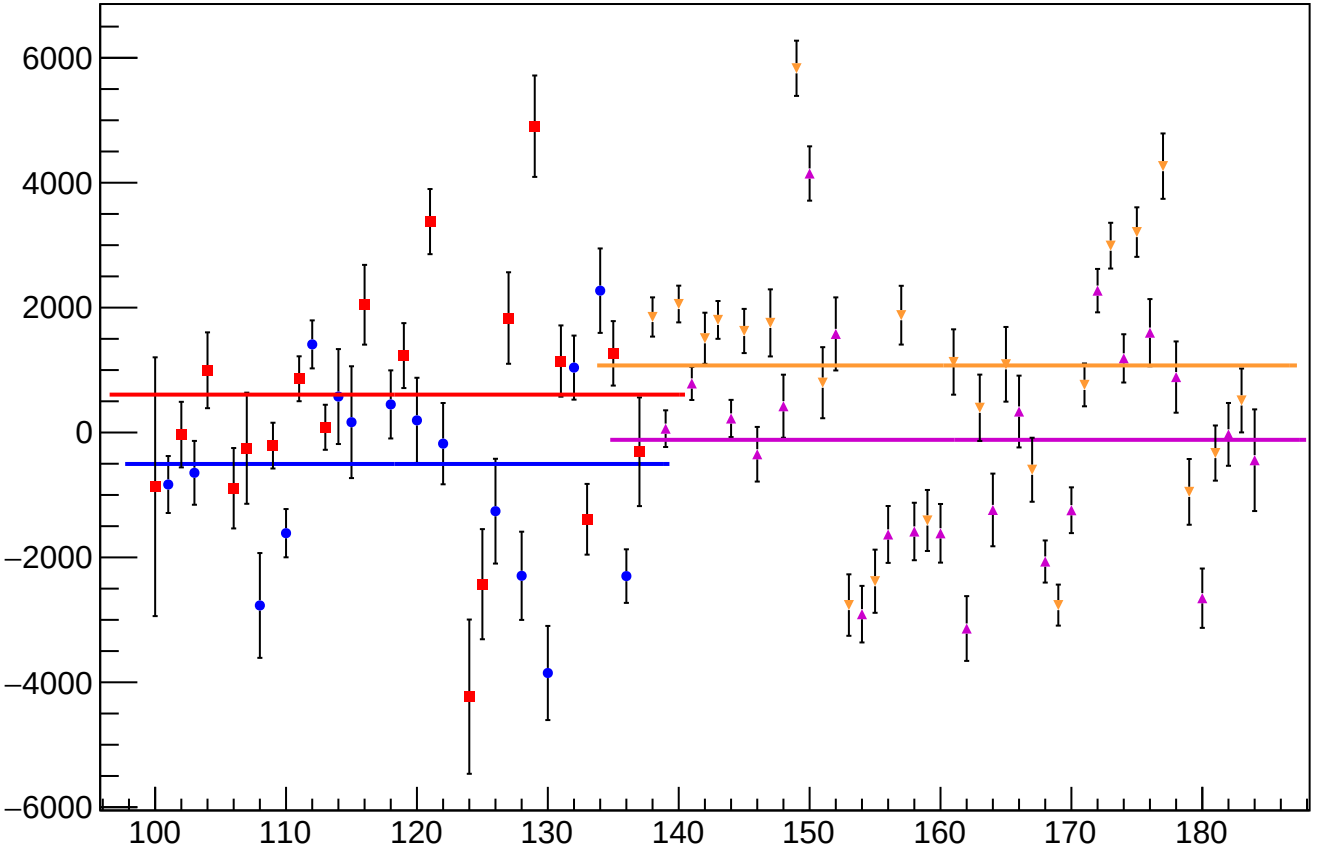
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 292.130+/-0.041 χ^2/NDF: 1304379.4/39

All: 290.634+/-0.029 χ^2/NDF: 2604774.7/81

- sign 289.138+/-0.041 χ^2/NDF: 1297749.0/41

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

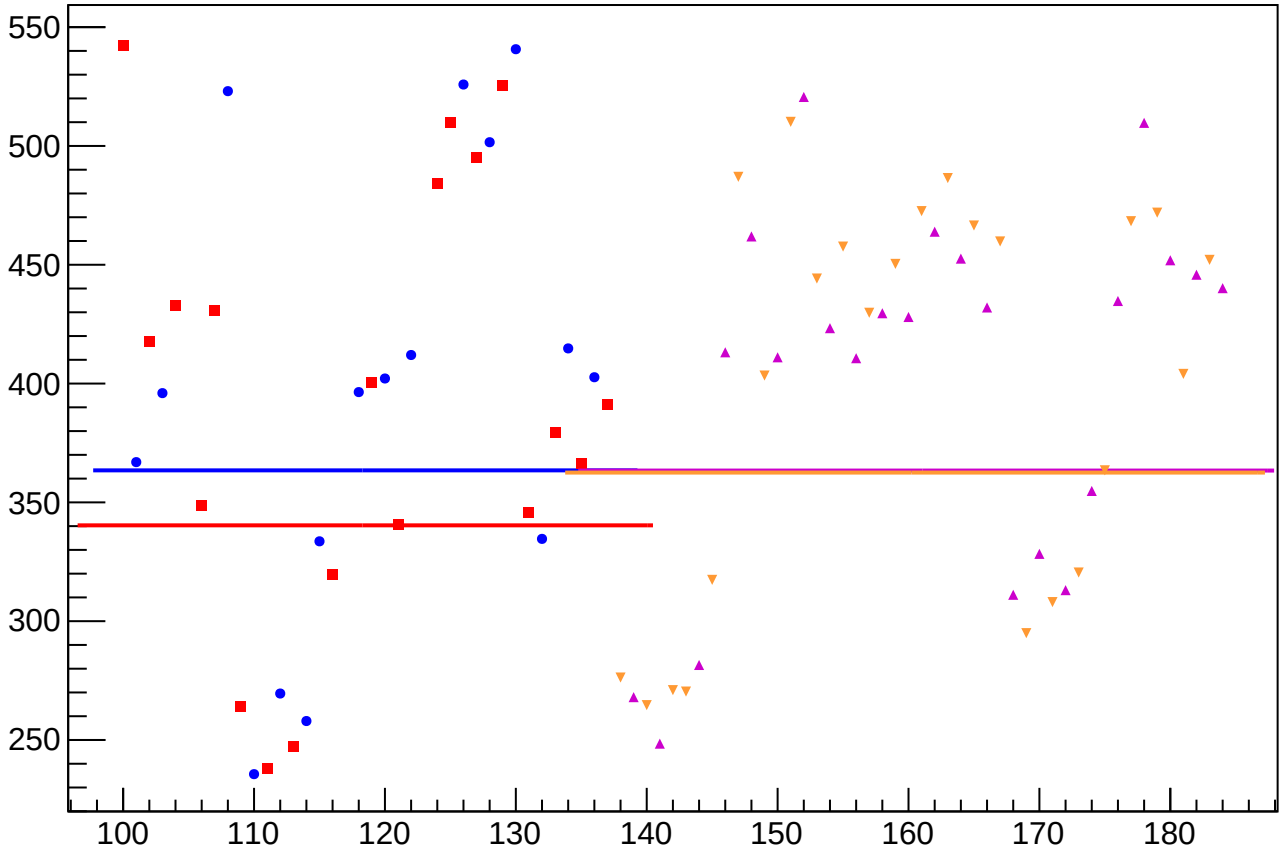
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 645.092+/-73.030 χ^2/NDF: 760.3/39

All: 375.265+/-51.451 χ^2/NDF: 1304.4/81

- sign 109.348+/-72.498 χ^2/NDF: 517.0/41

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

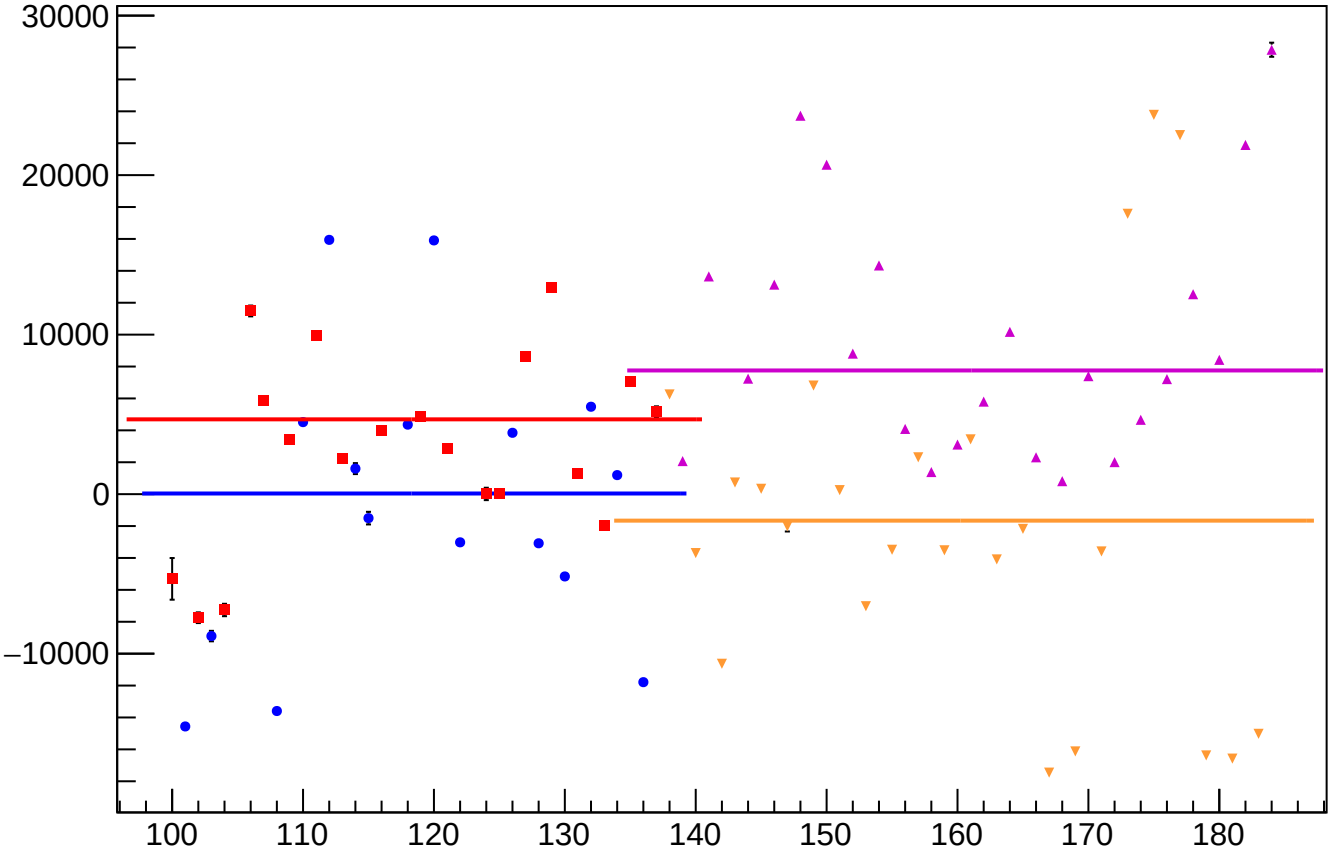
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 362.793+/-0.052 χ^2/NDF: 2699609.0/39

All: 359.459+/-0.036 χ^2/NDF: 5319195.4/81

- sign 356.173+/-0.051 χ^2/NDF: 2611309.3/41

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

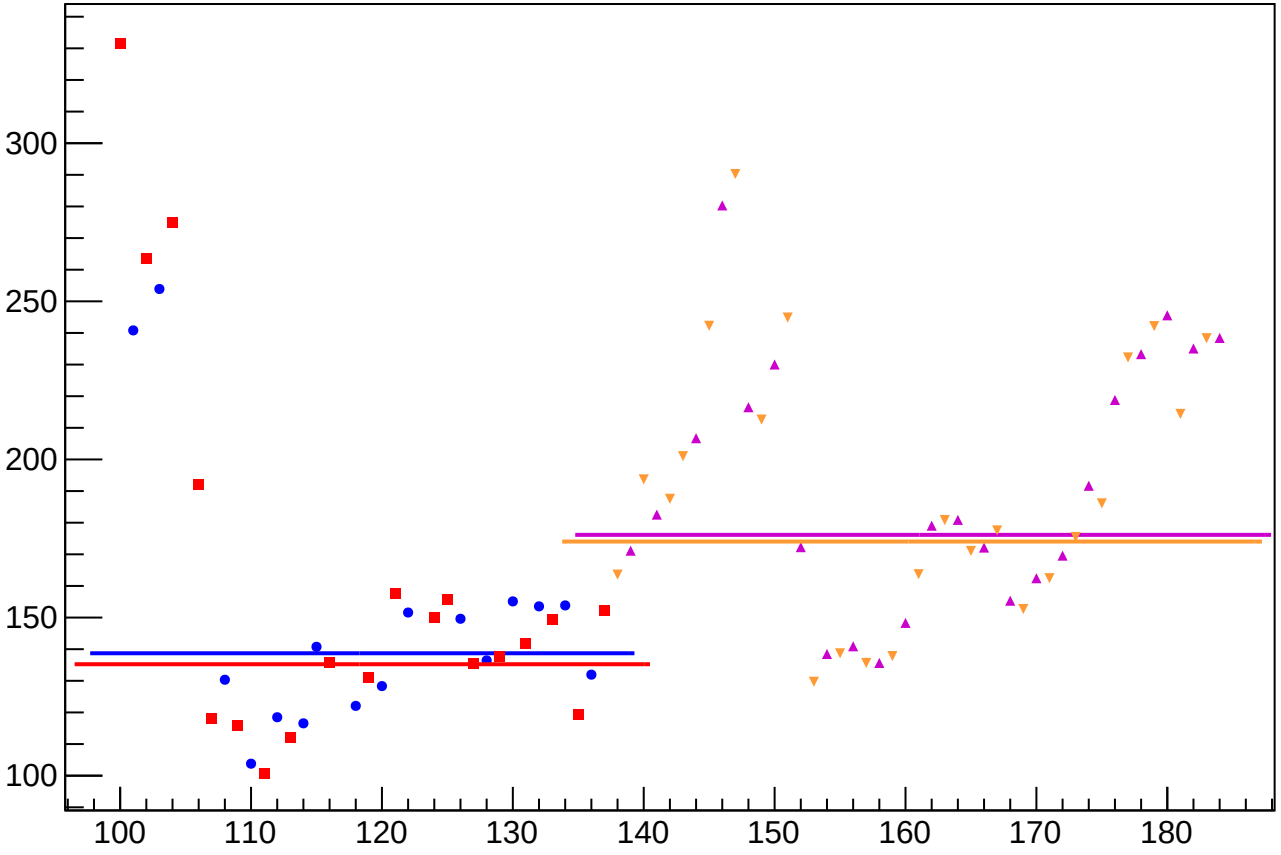
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1039.880+/-32.734 χ^2/NDF: 95881.8/39

All: 2717.194+/-23.227 χ^2/NDF: 155563.8/81

- sign 6527.331+/-32.964 χ^2/NDF: 33148.9/41

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

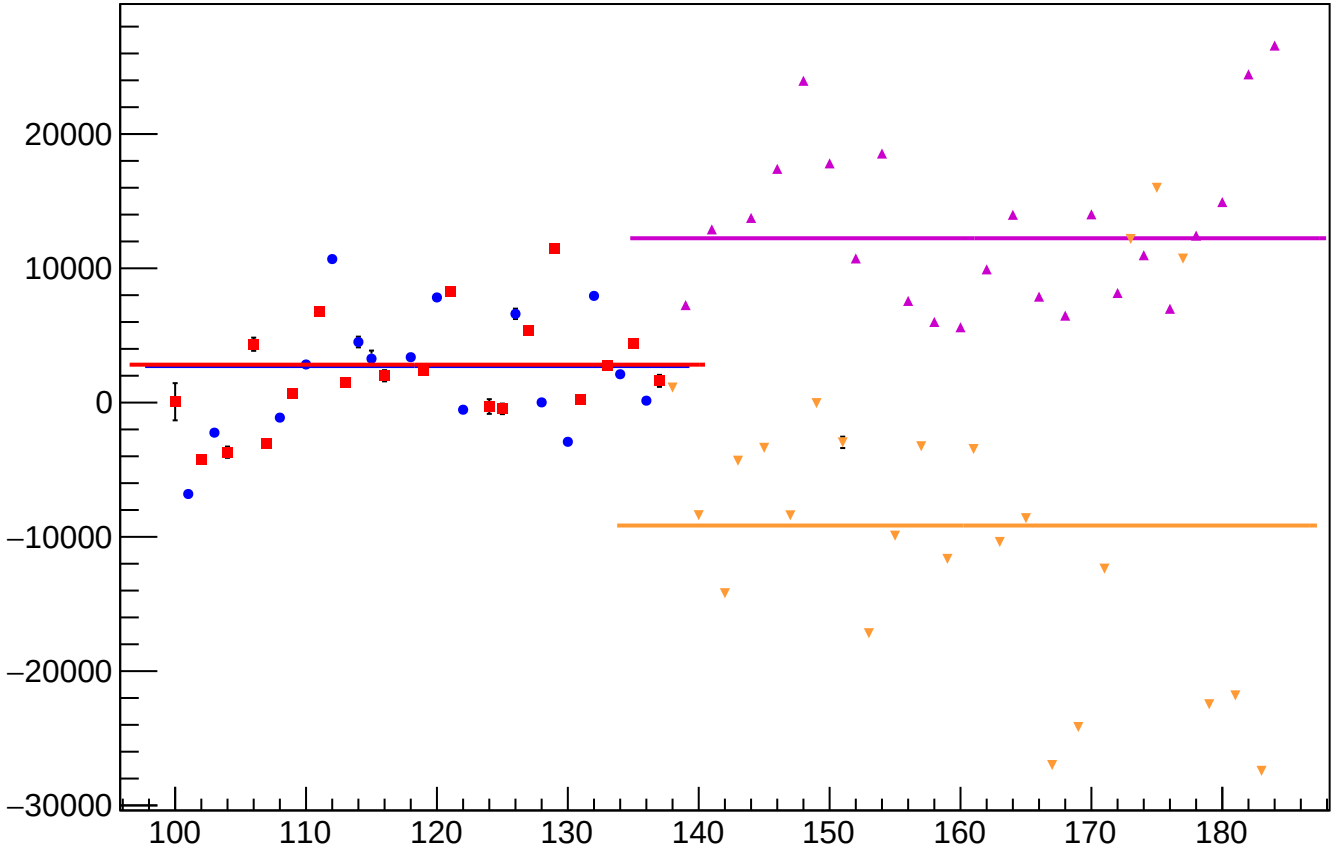
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.155+/-0.023 χ^2/NDF: 2822458.3/39

All: 160.469+/-0.016 χ^2/NDF: 5820815.4/81

- sign 159.774+/-0.023 χ^2/NDF: 2996591.1/41

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

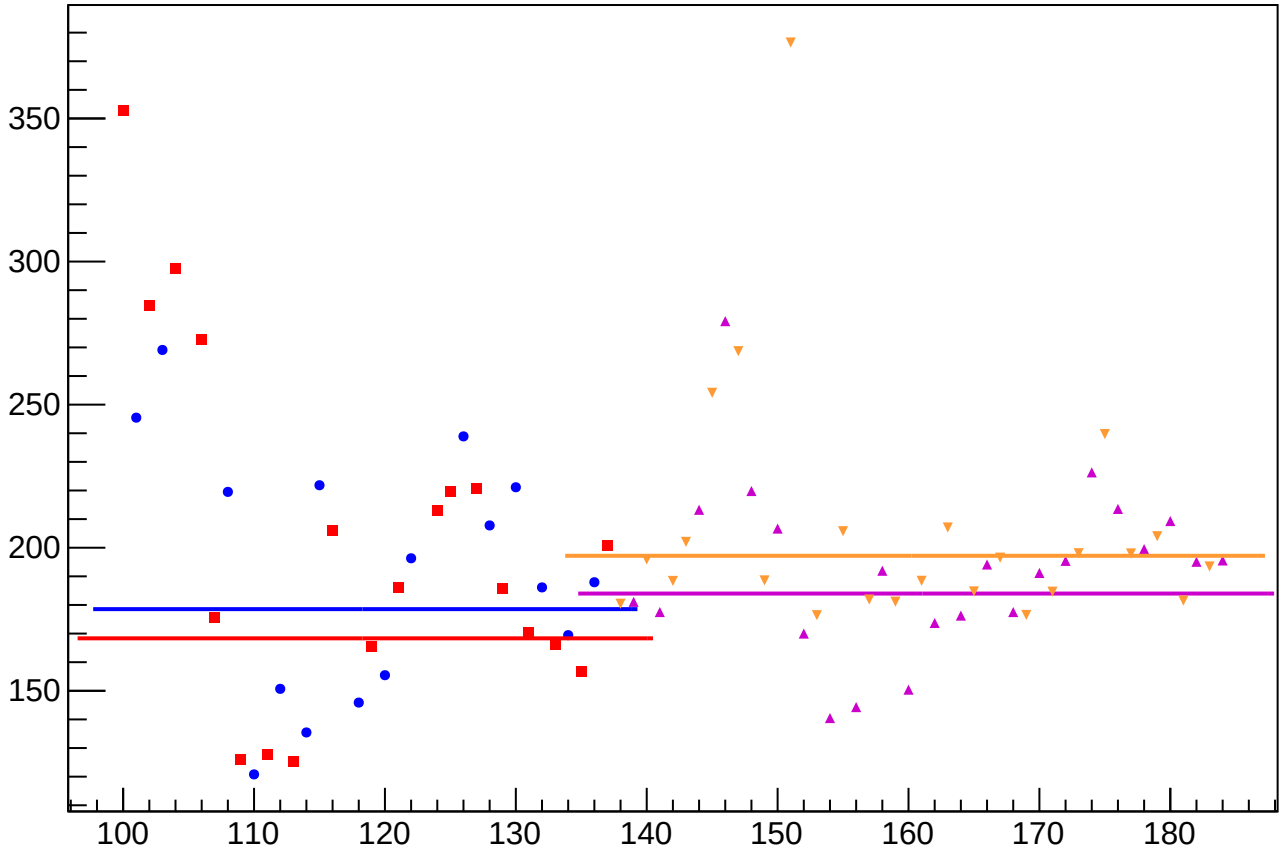
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -5515.985+/-38.335 χ^2/NDF: 86961.3/39

All: 2226.166+/-26.442 χ^2/NDF: 198238.9/81

- sign 9252.776+/-36.521 χ^2/NDF: 33471.5/41

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

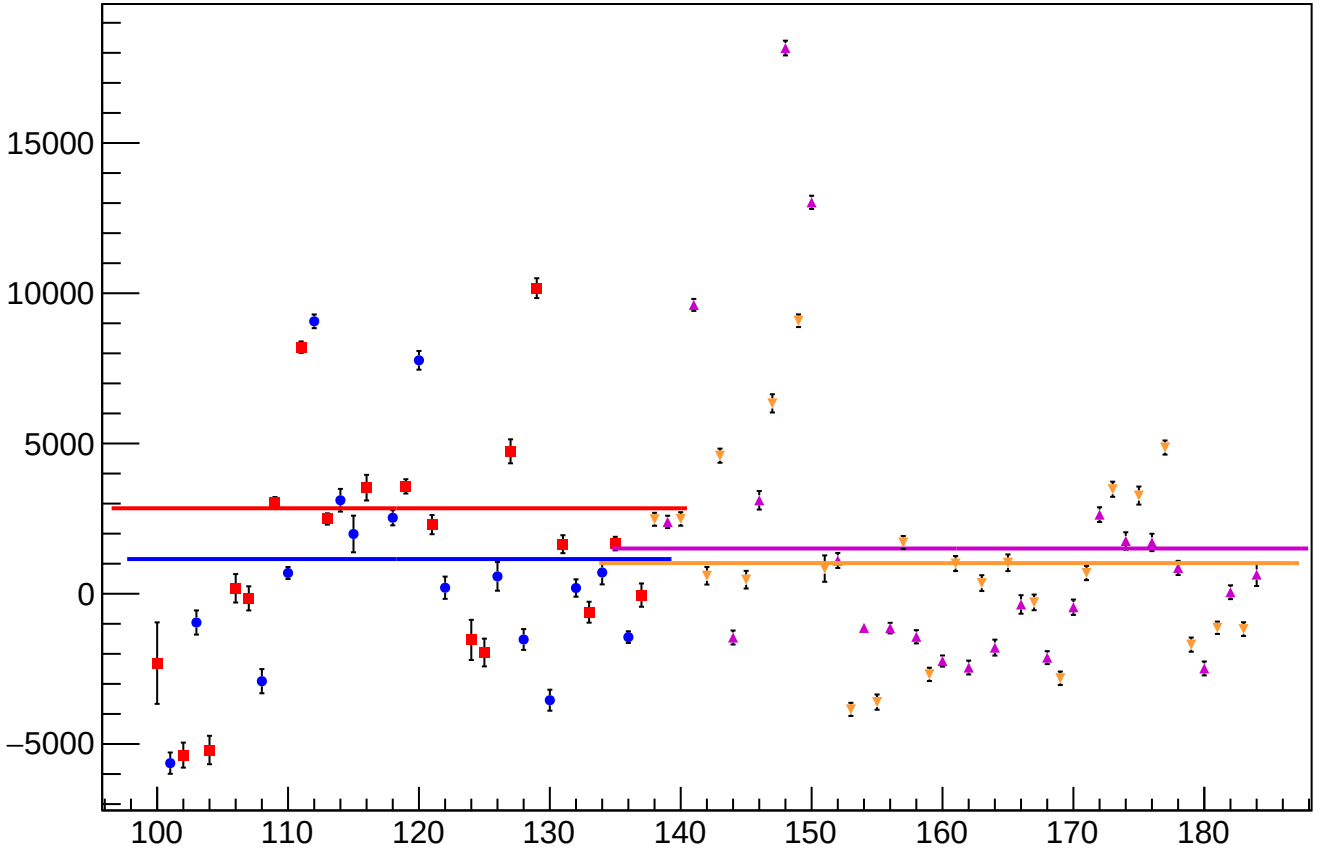
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.469+/-0.027 χ^2/NDF: 1507380.2/39

All: 184.944+/-0.019 χ^2/NDF: 3506727.5/81

- sign 179.022+/-0.026 χ^2/NDF: 1888808.2/41

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

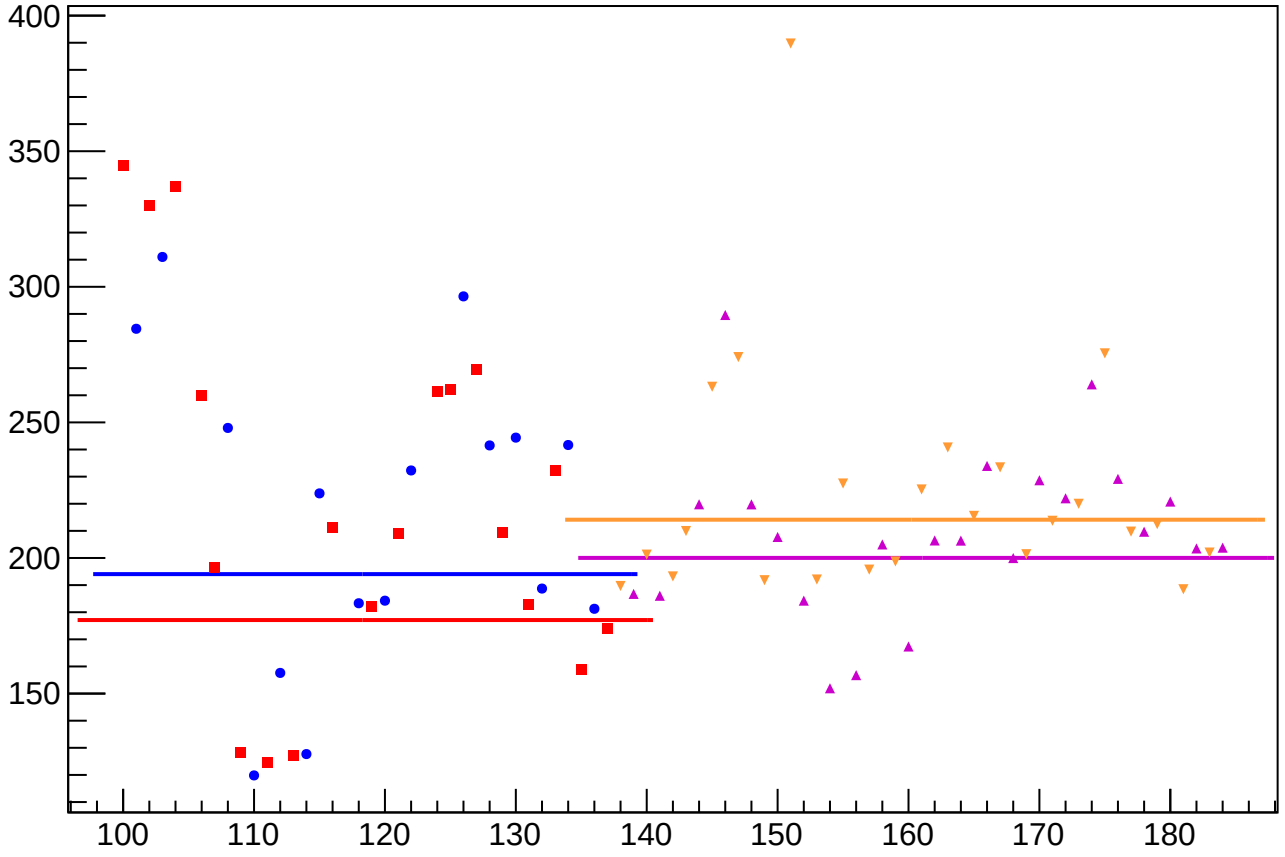
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1060.395+/-41.762 χ^2/NDF: 6936.2/39

All: 1525.738+/-28.681 χ^2/NDF: 21357.8/81

\- sign 1941.134+/-39.457 χ^2/NDF: 14186.6/41

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

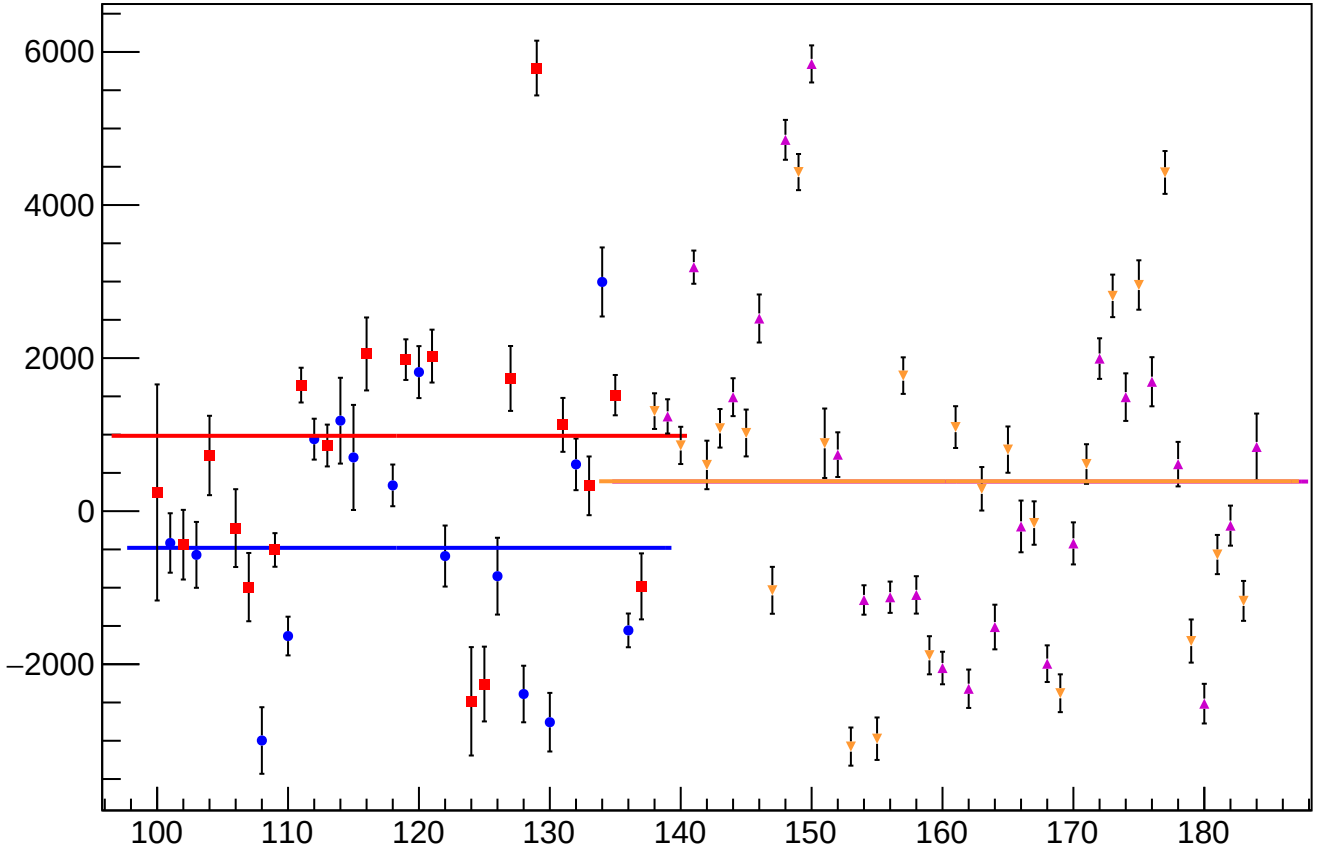
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.052+/-0.030 χ^2/NDF: 1795009.9/39

All: 199.871+/-0.020 χ^2/NDF: 4233311.5/81

- sign 192.567+/-0.028 χ^2/NDF: 2293021.1/41

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

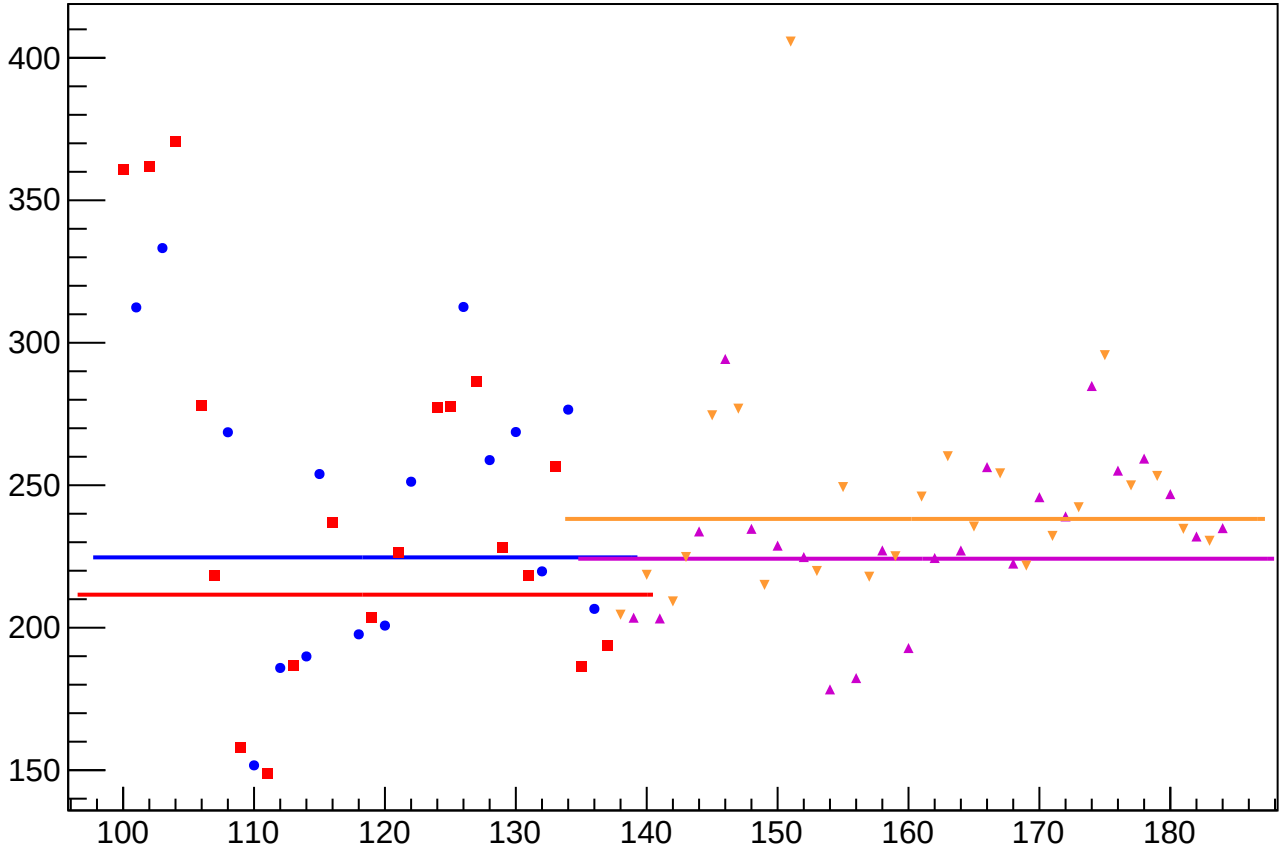
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign 138.482+/-46.663 χ^2/NDF: 1771.6/39

All: 363.105+/-32.260 χ^2/NDF: 4056.2/81

- sign 568.749+/-44.649 χ^2/NDF: 2240.2/41

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

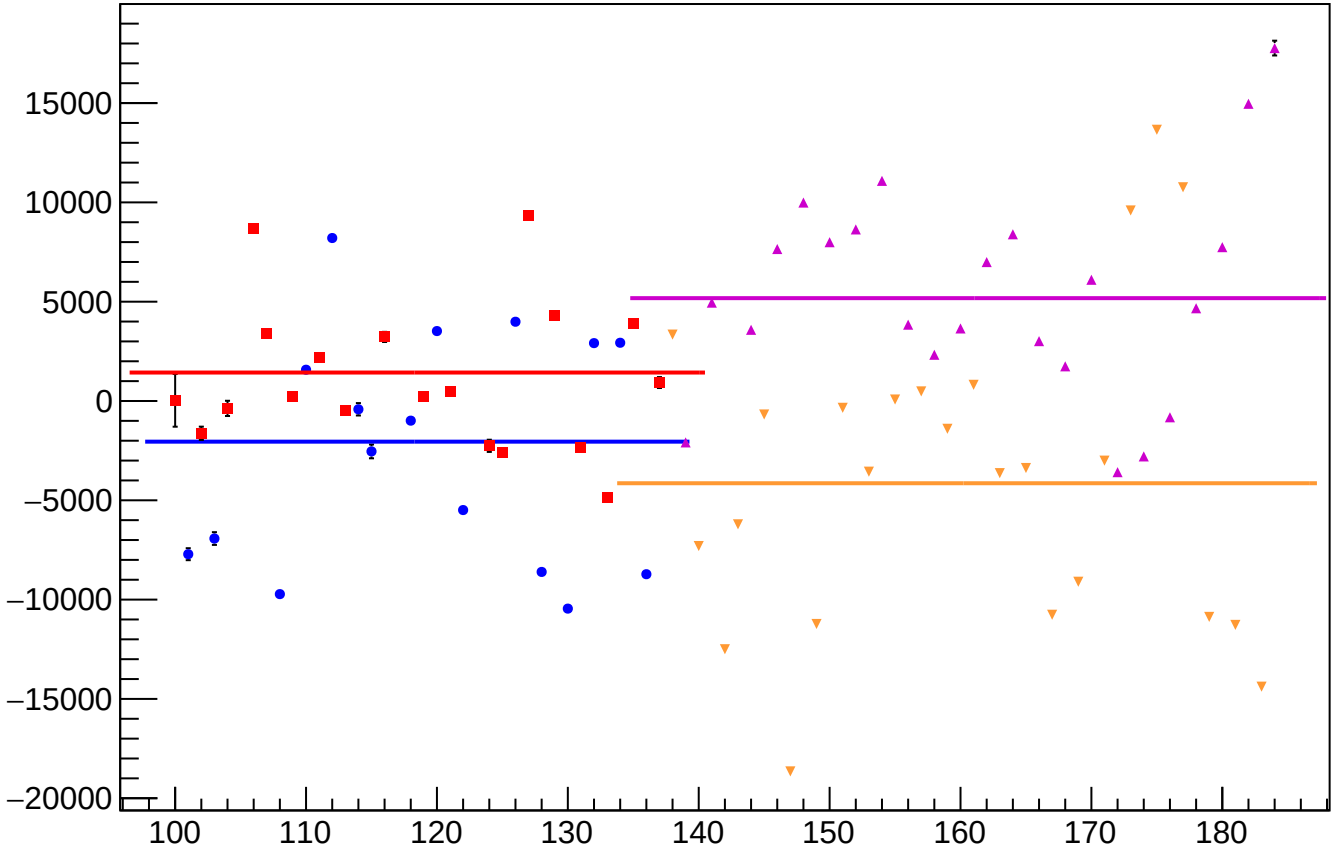
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.269+/-0.033 χ^2/NDF: 1255555.2/39

All: 227.015+/-0.023 χ^2/NDF: 2878090.8/81

- sign 220.373+/-0.032 χ^2/NDF: 1529940.9/41

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

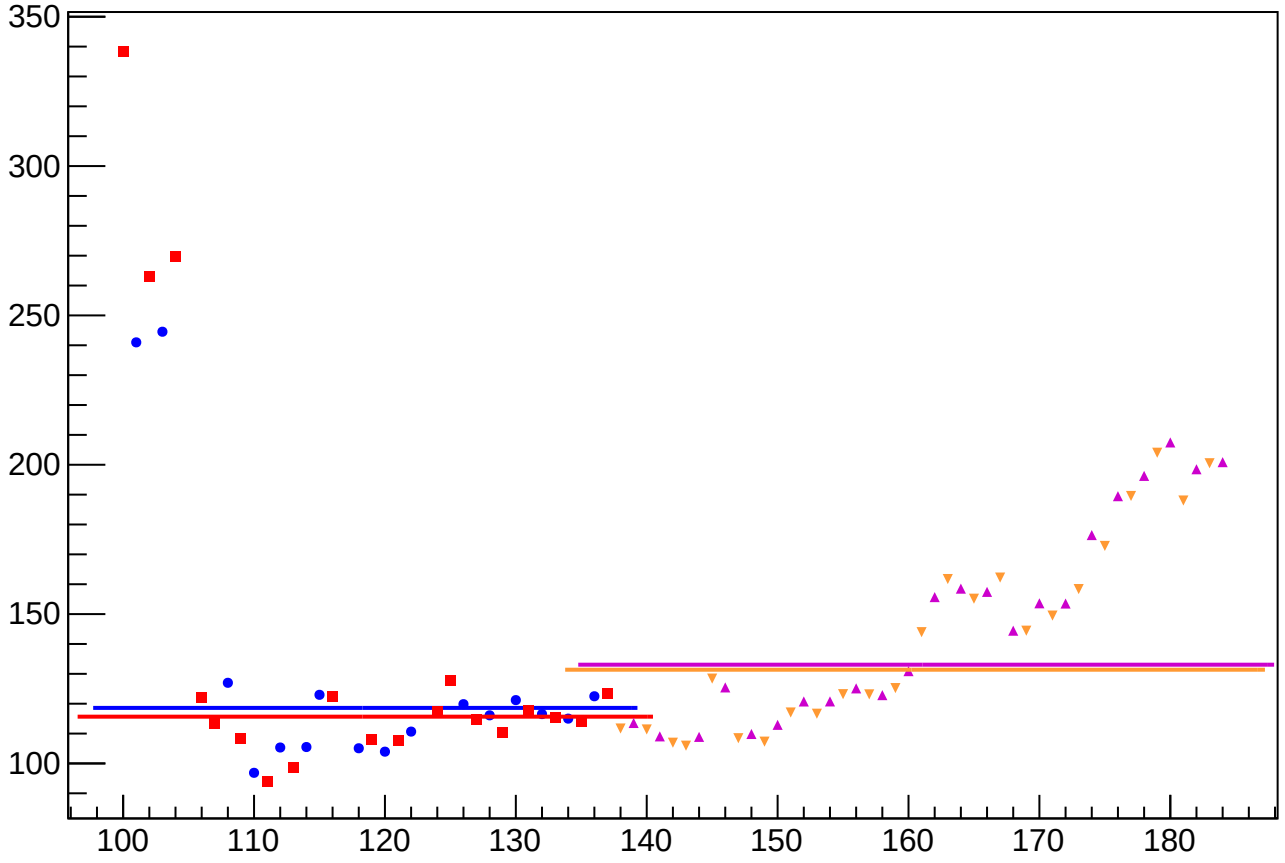
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3503.229+/-25.788 χ^2/NDF: 74094.9/39

All: 172.608+/-18.312 χ^2/NDF: 144652.3/81

- sign 3911.857+/-26.009 χ^2/NDF: 29569.7/41

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

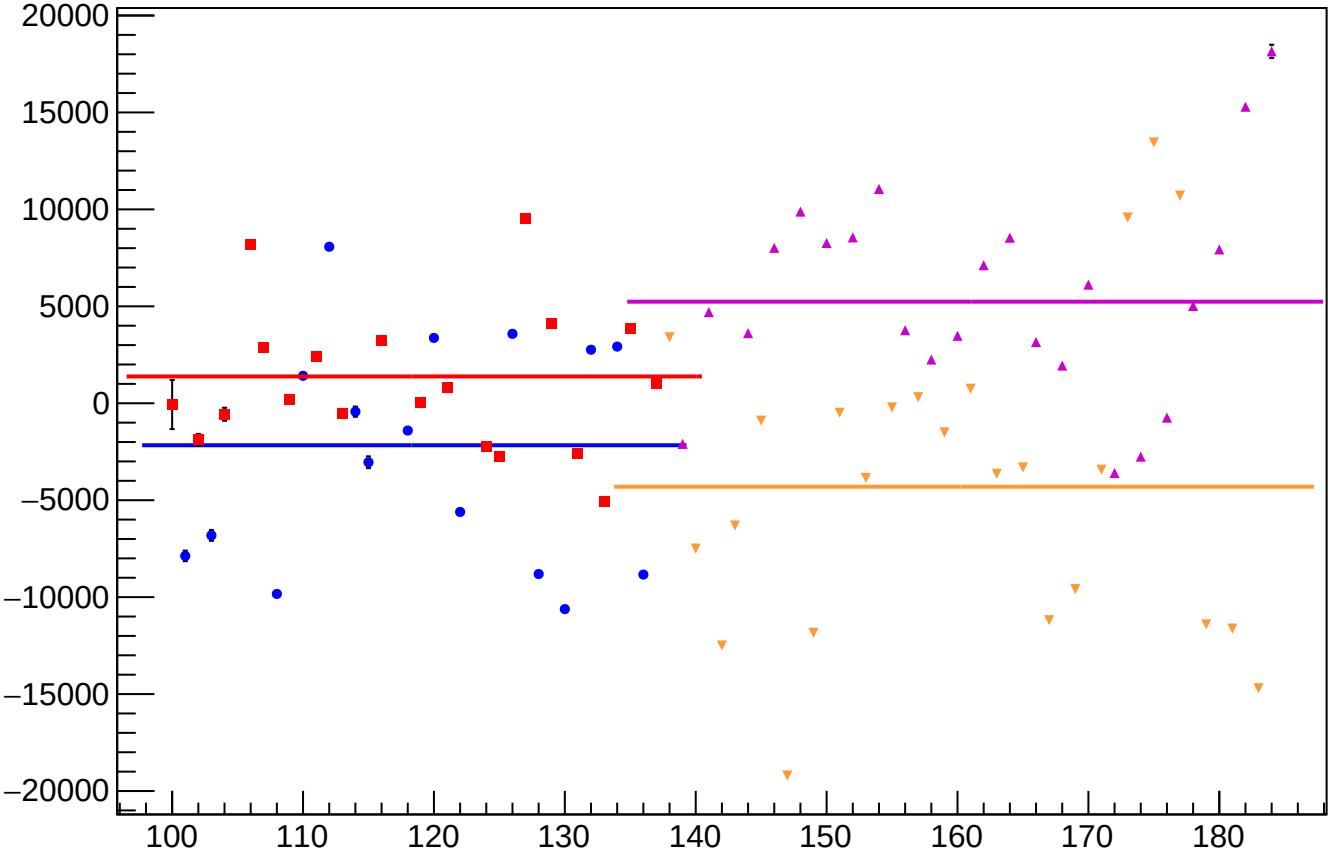
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.484+/-0.018 χ^2/NDF: 2323503.5/39

All: 127.332+/-0.013 χ^2/NDF: 4806463.8/81

- sign 127.177+/-0.018 χ^2/NDF: 2482819.8/41

asym_bpm1i04WS_mean vs Slug



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

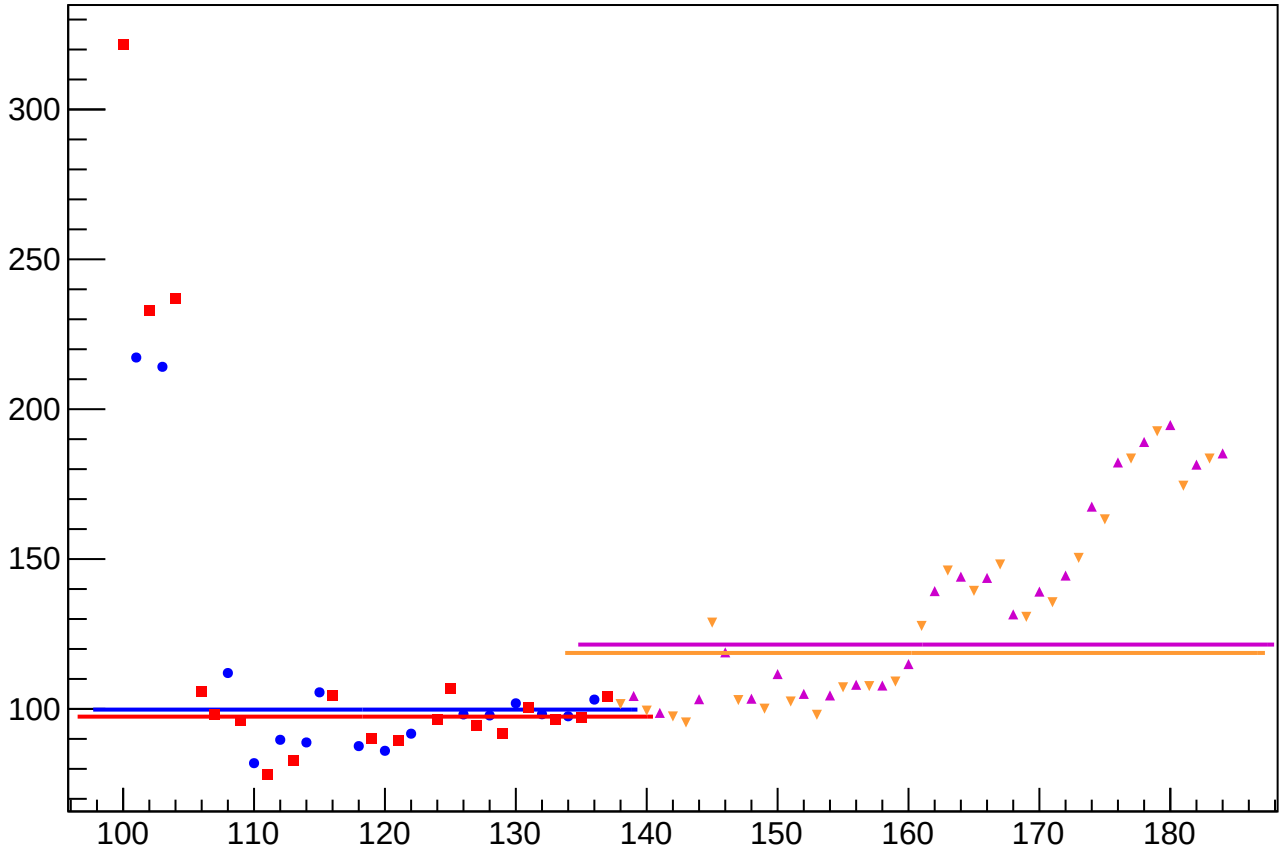
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -3590.936+/-22.890 χ^2/NDF: 91040.4/39

All: 60.781+/-16.285 χ^2/NDF: 180472.3/81

- sign 3803.638+/-23.174 χ^2/NDF: 37894.9/41

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

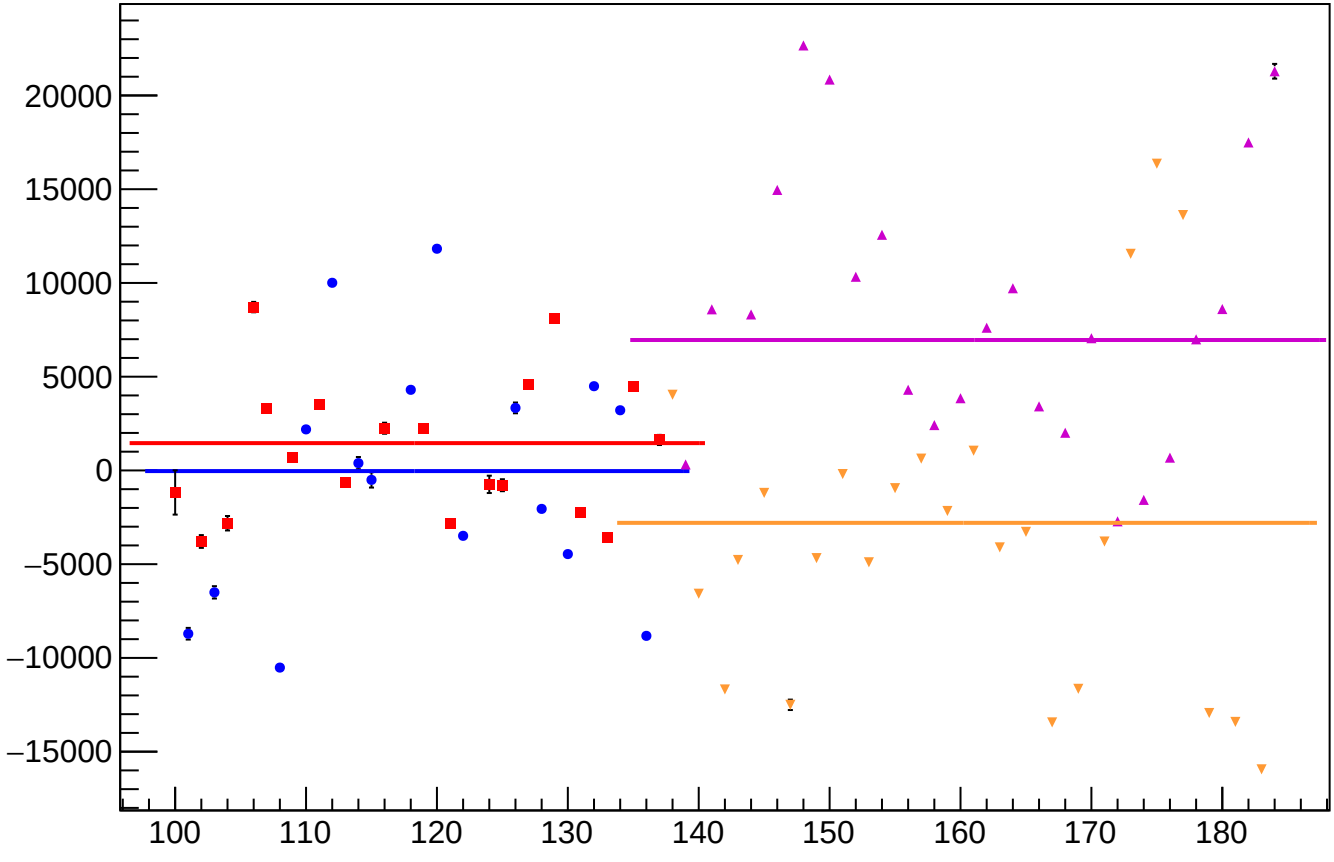
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 112.370+/-0.016 χ^2/NDF: 2803717.2/39

All: 112.442+/-0.012 χ^2/NDF: 5762219.1/81

- sign 112.516+/-0.016 χ^2/NDF: 2958462.1/41

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

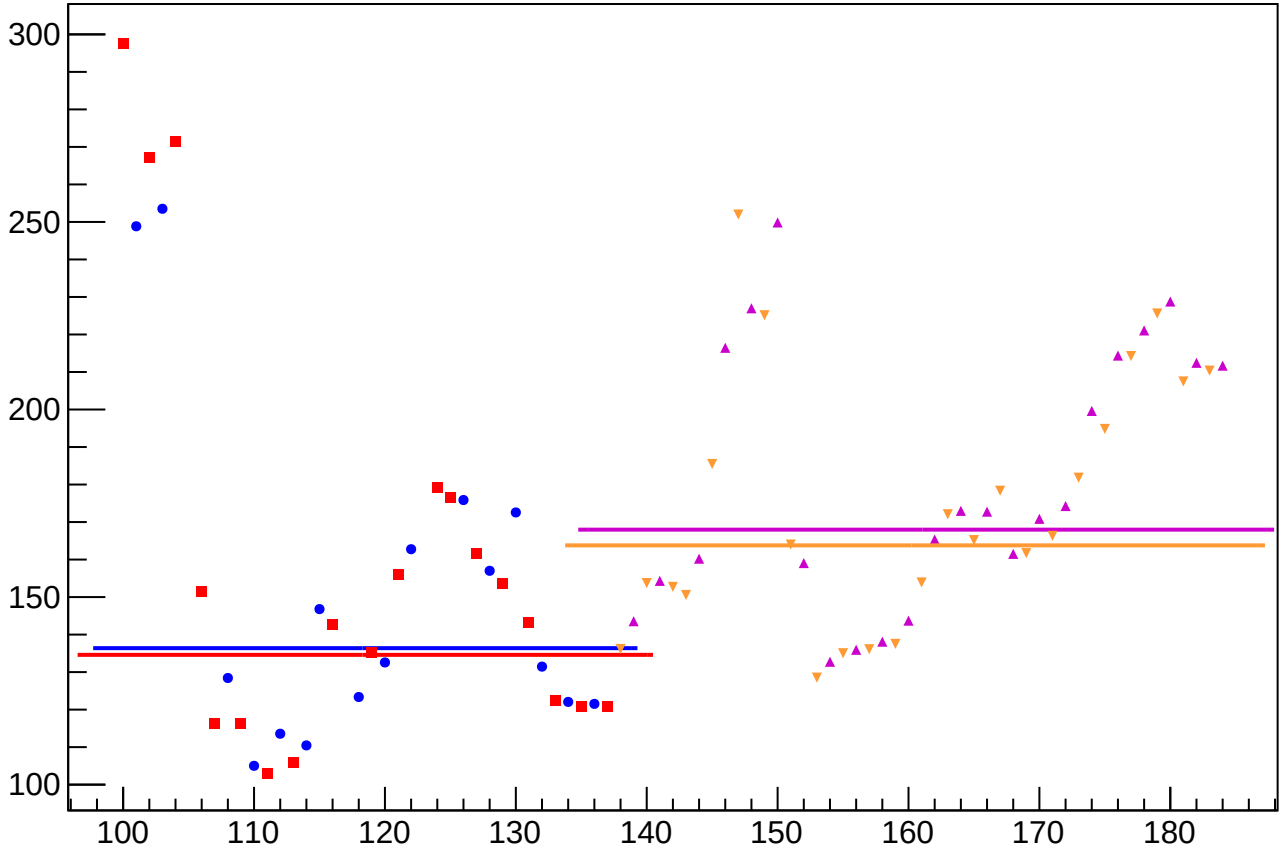
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -1857.634+/-31.163 χ^2/NDF: 55346.6/39

All: 1448.332+/-22.262 χ^2/NDF: 111791.5/81

- sign 4893.793+/-31.814 χ^2/NDF: 33462.1/41

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

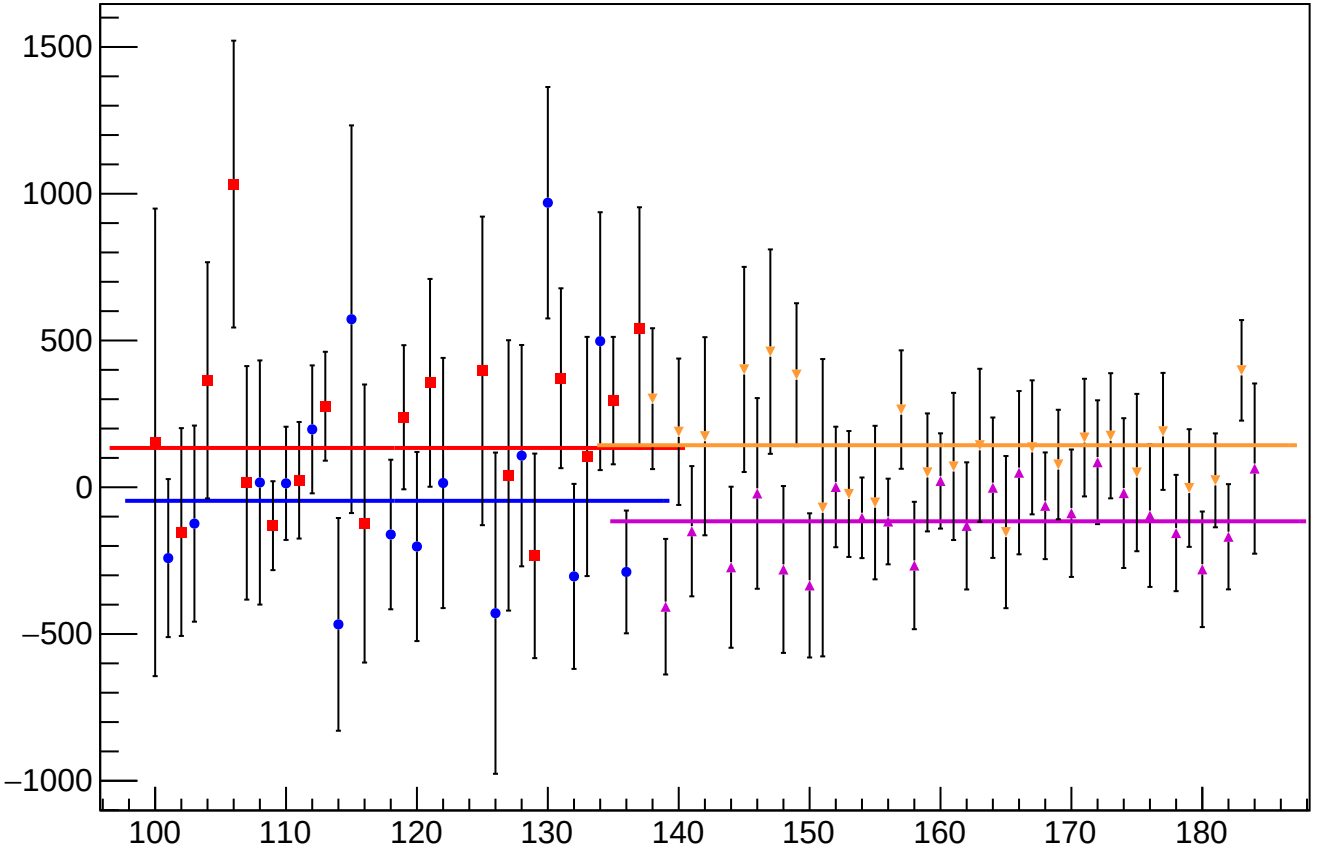
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 154.476+/-0.022 χ^2/NDF: 2344732.0/39

All: 154.956+/-0.016 χ^2/NDF: 5004028.4/81

- sign 155.456+/-0.022 χ^2/NDF: 2658328.2/41

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

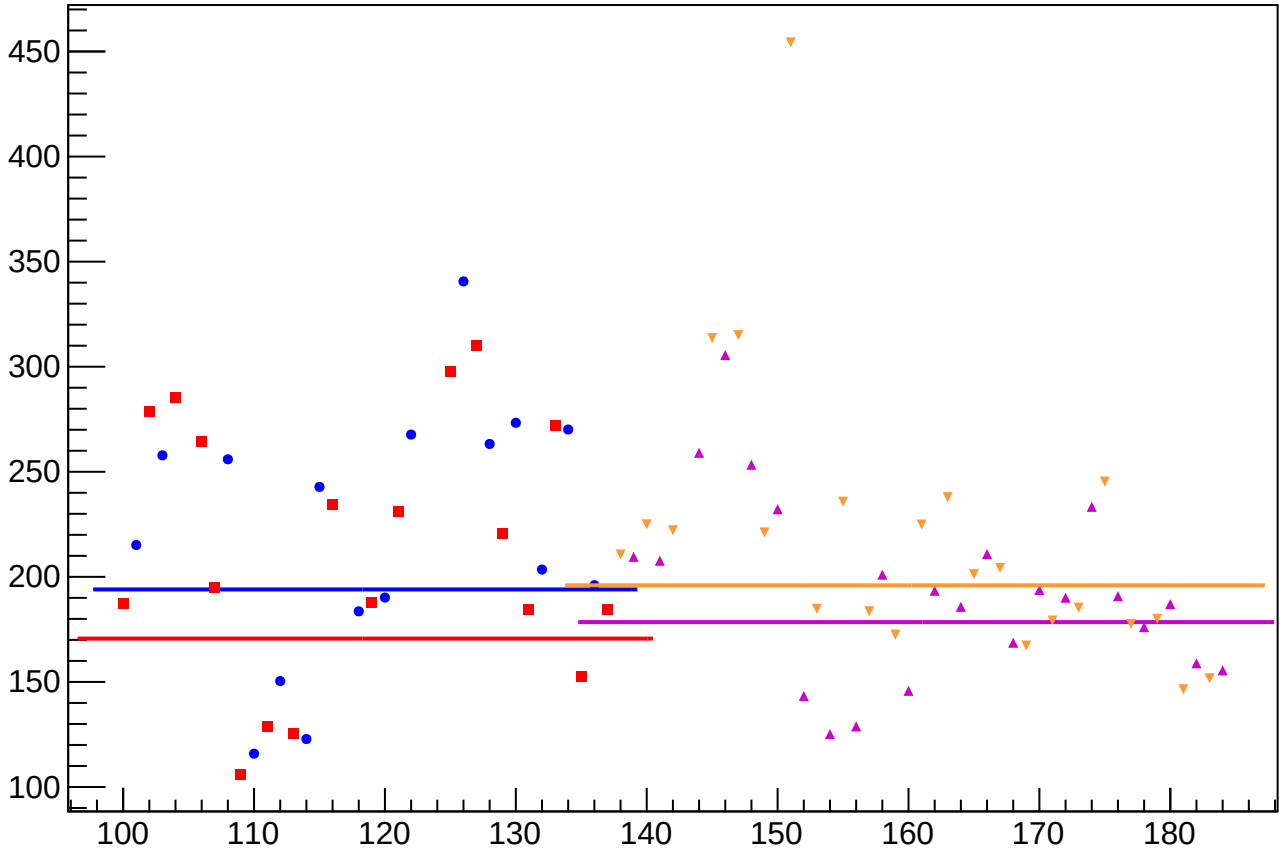
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 90.245+/-40.342 χ^2/NDF: 29.7/38

All: 17.035+/-27.176 χ^2/NDF: 65.7/79

- sign -43.786+/-36.771 χ^2/NDF: 29.9/40

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

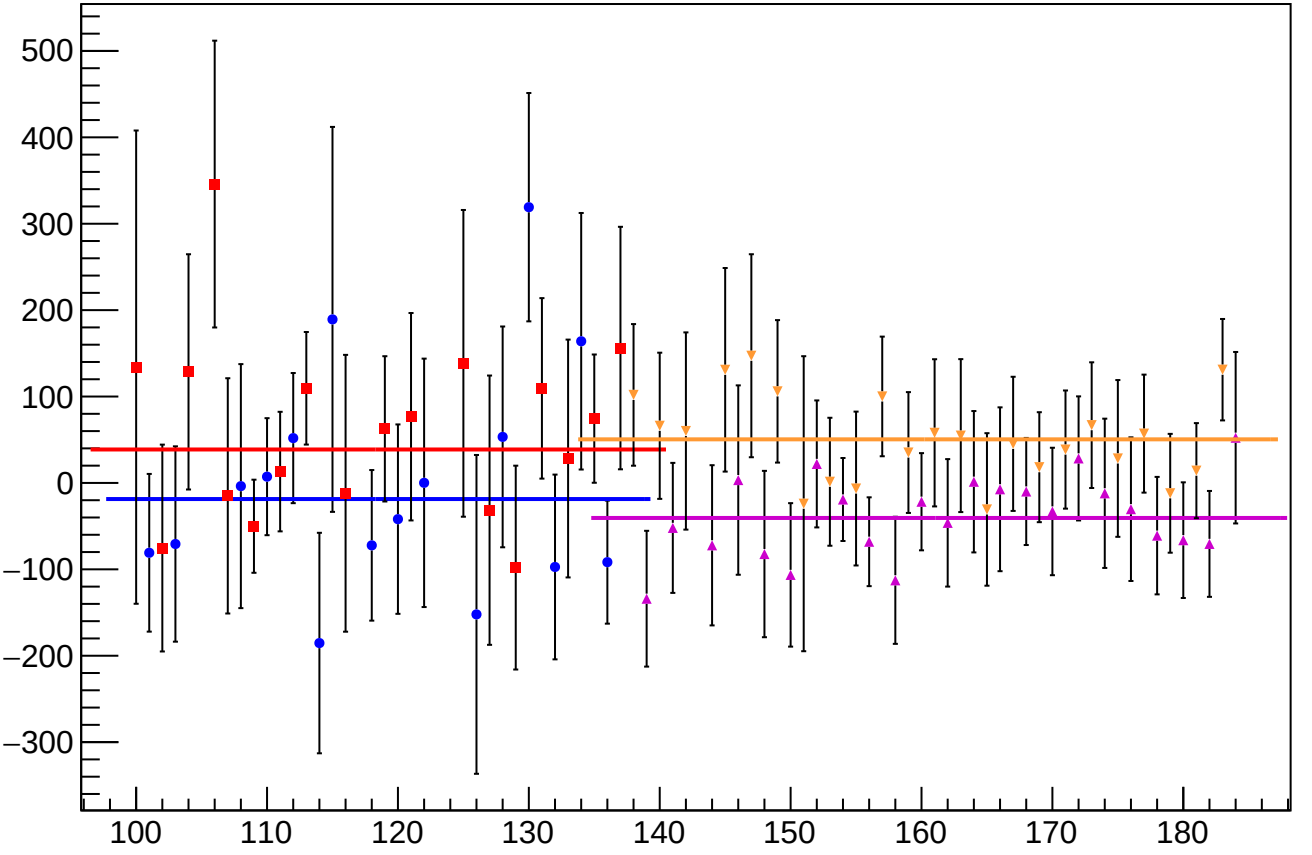
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 195.435+/-0.029 χ^2/NDF: 2750158.6/38

All: 184.932+/-0.019 χ^2/NDF: 6287050.6/79

- sign 176.207+/-0.026 χ^2/NDF: 3288735.4/40

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

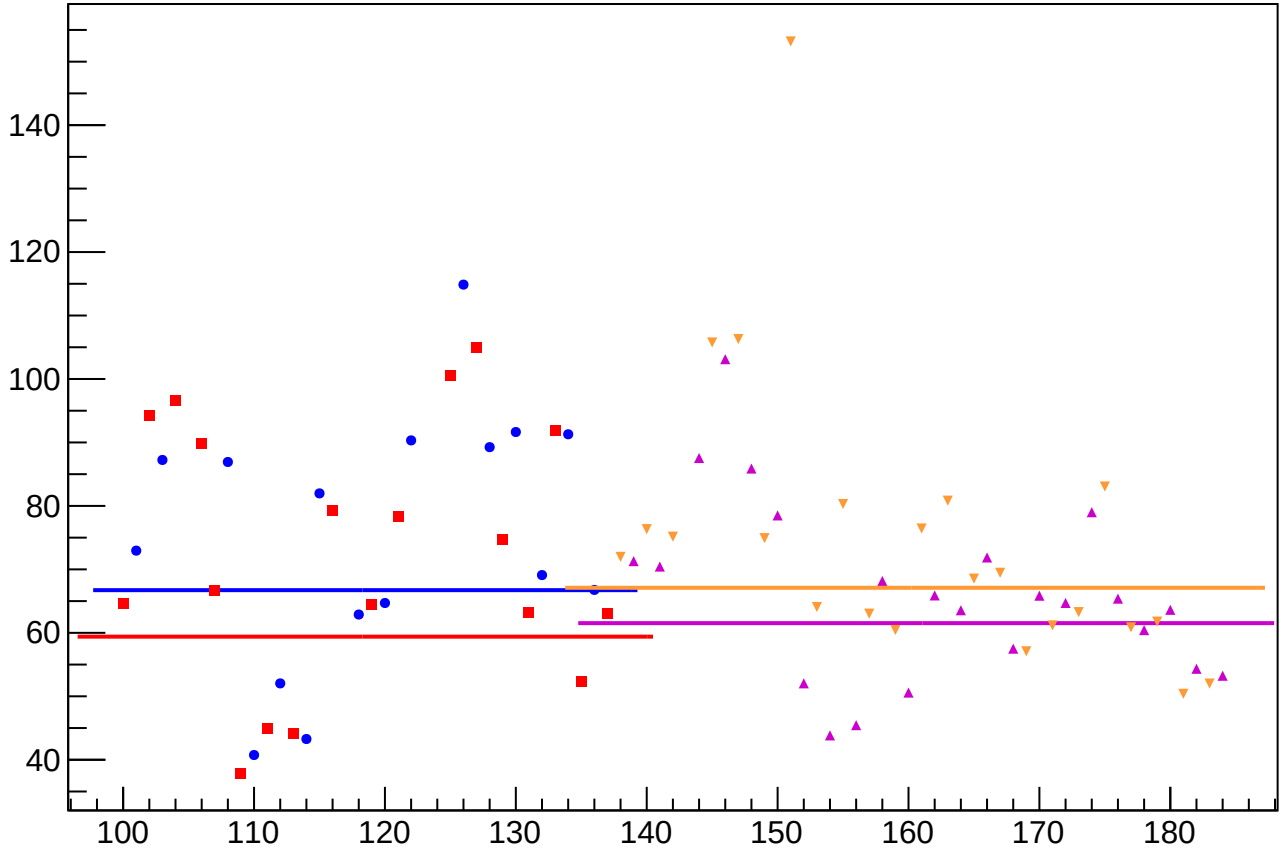
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 31.189+/-13.794 χ^2/NDF: 28.3/38

All: 4.557+/-9.325 χ^2/NDF: 63.7/79

- sign -17.854+/-12.654 χ^2/NDF: 28.5/40

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

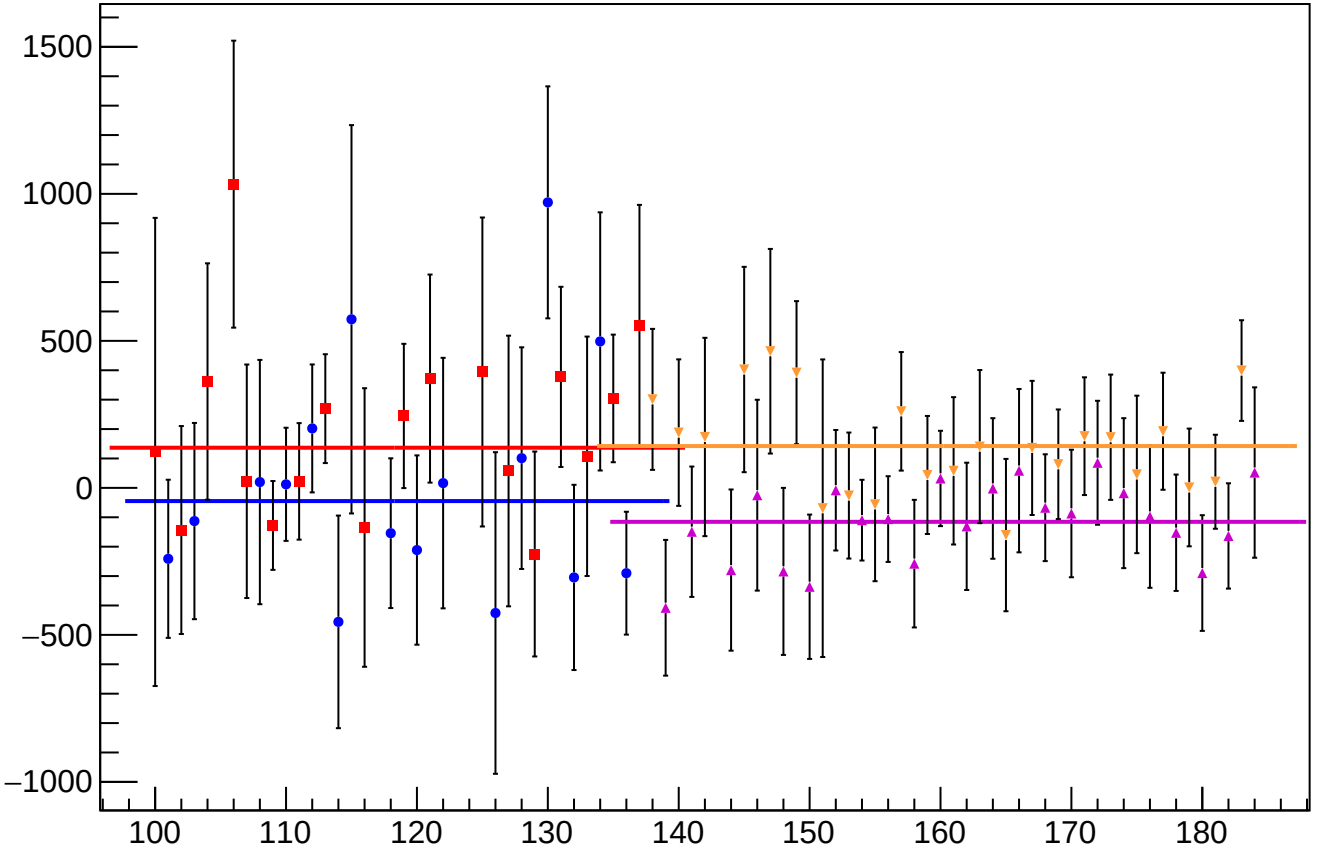
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 66.994+/-0.010 χ^2/NDF: 2576571.1/38

All: 63.696+/-0.007 χ^2/NDF: 5733987.2/79

- sign 60.920+/-0.009 χ^2/NDF: 2946778.9/40

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

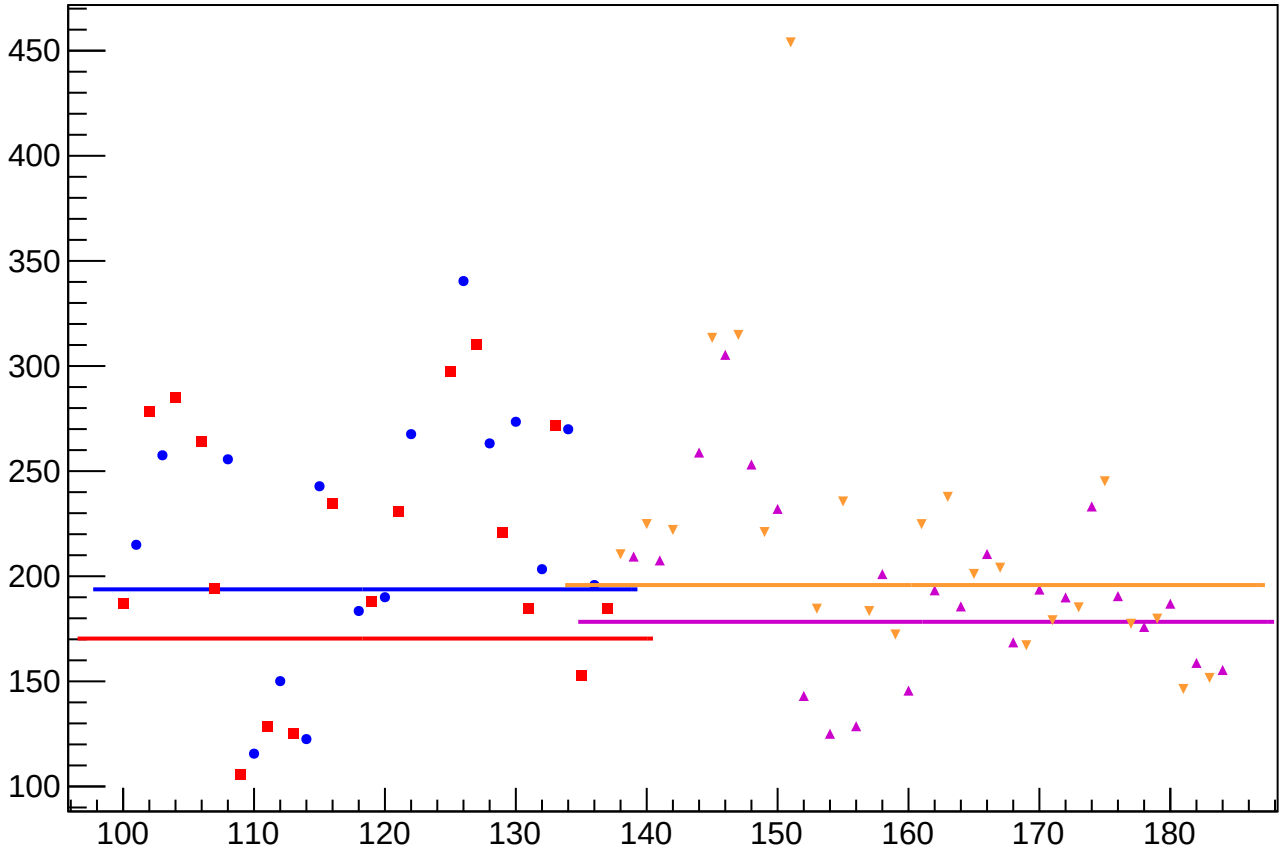
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 89.862+/-40.305 χ^2/NDF: 29.9/38

All: 17.495+/-27.150 χ^2/NDF: 66.1/79

- sign -42.618+/-36.735 χ^2/NDF: 30.3/40

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

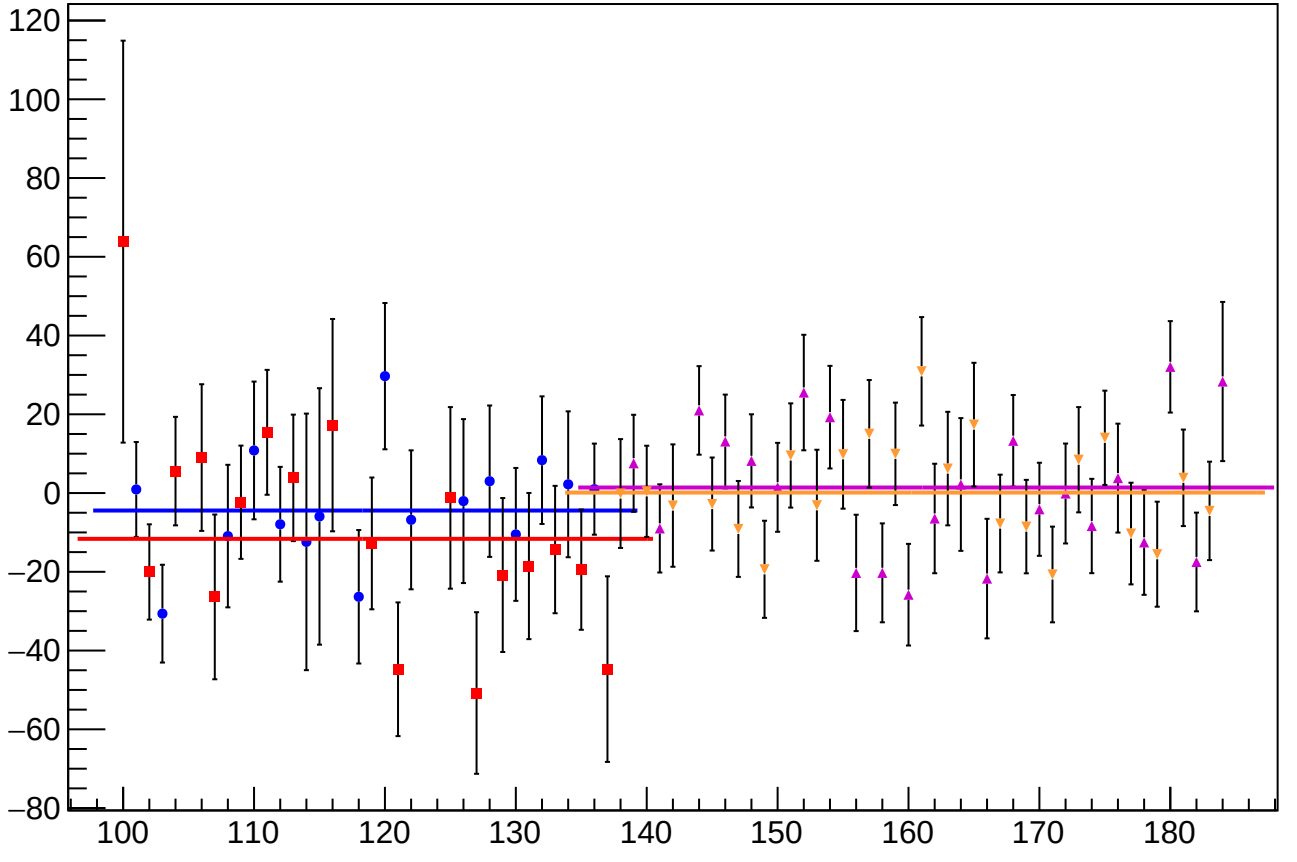
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 195.242+/-0.028 χ^2/NDF: 2755427.8/38

All: 184.740+/-0.019 χ^2/NDF: 6300655.6/79

- sign 176.017+/-0.026 χ^2/NDF: 3296662.6/40

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

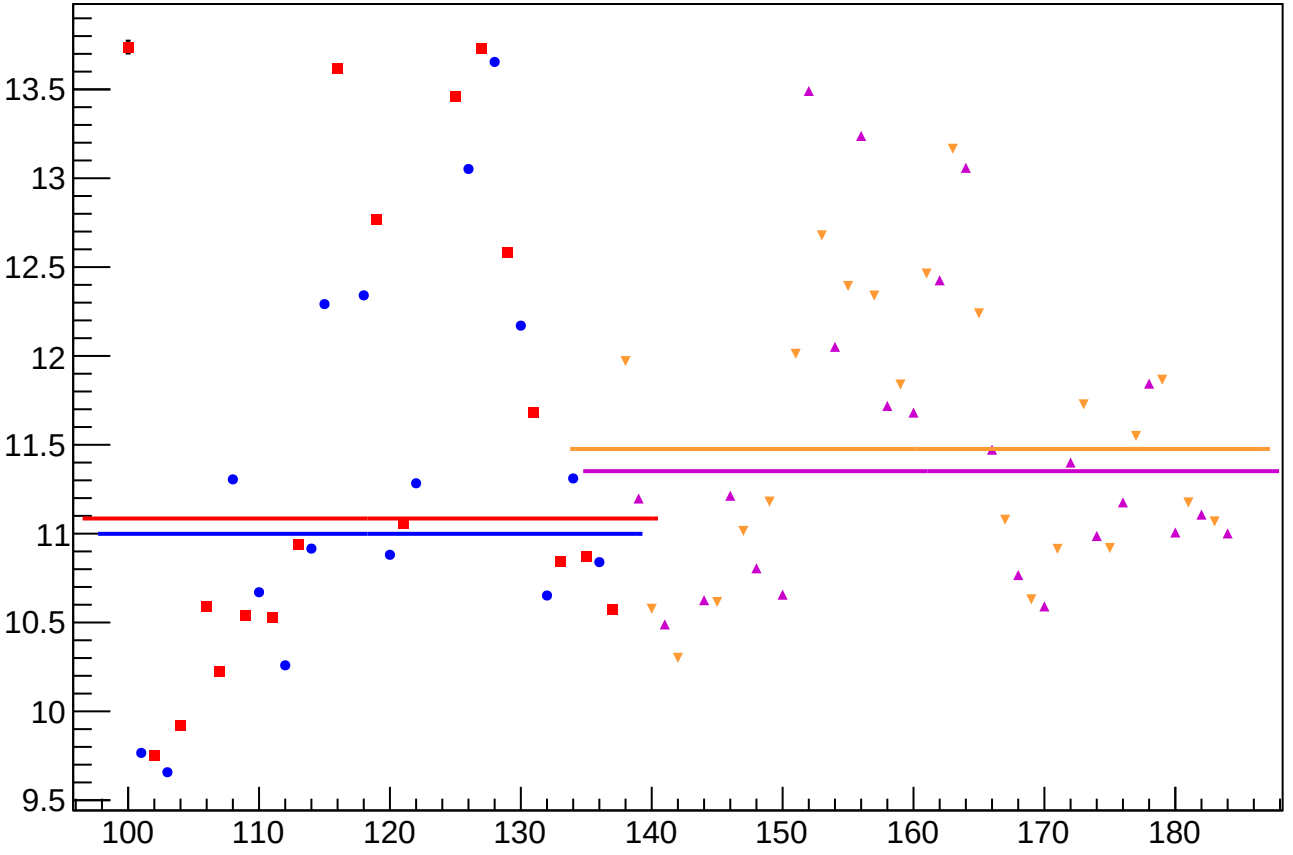
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.251+/-2.265 χ^2/NDF: 33.1/38

All: -1.848+/-1.595 χ^2/NDF: 98.2/79

- sign -2.434+/-2.246 χ^2/NDF: 65.0/40

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

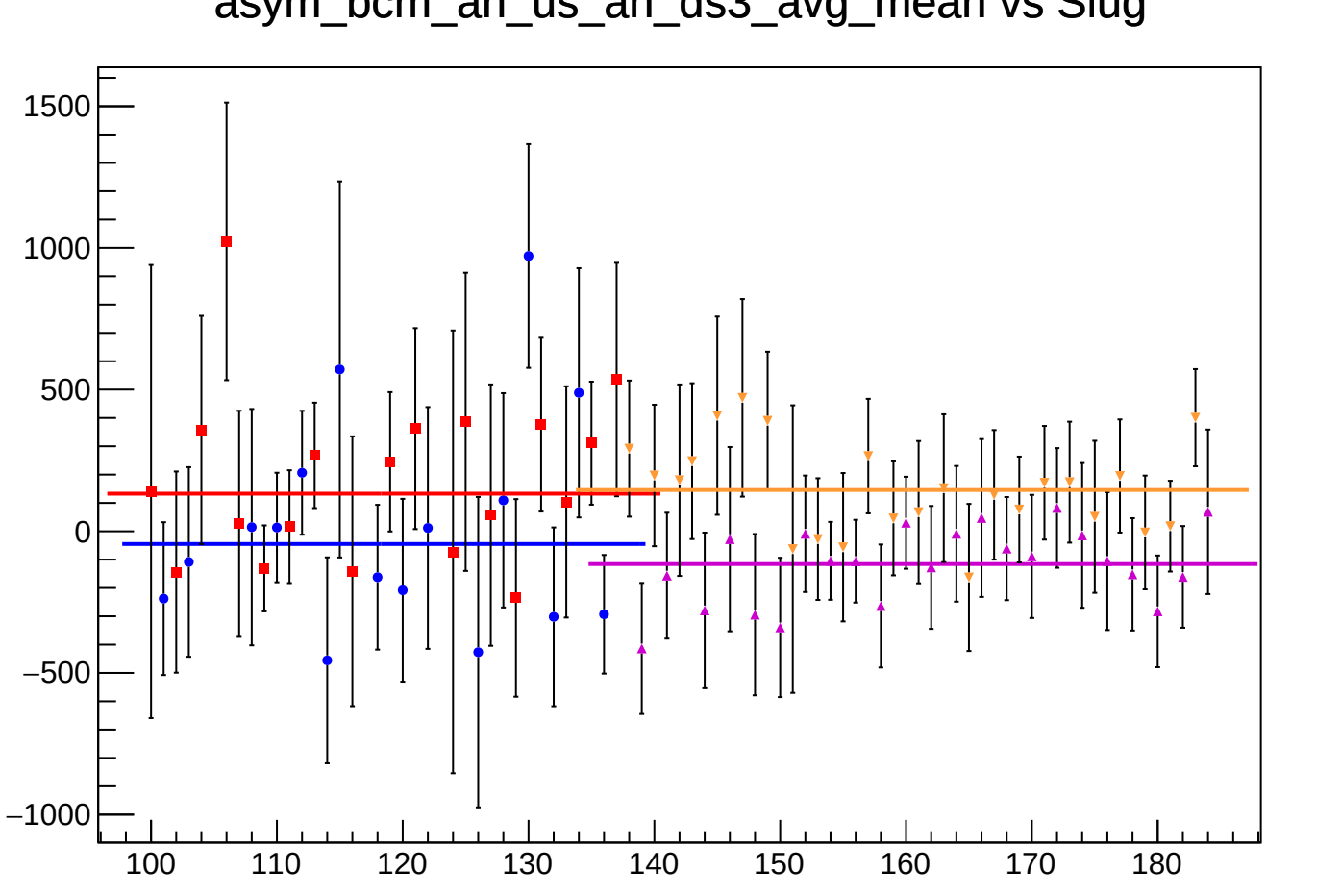
Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.333+/-0.002 χ^2/NDF: 300884.9/38

All: 11.303+/-0.001 χ^2/NDF: 640208.9/79

- sign 11.273+/-0.002 χ^2/NDF: 338619.1/40



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

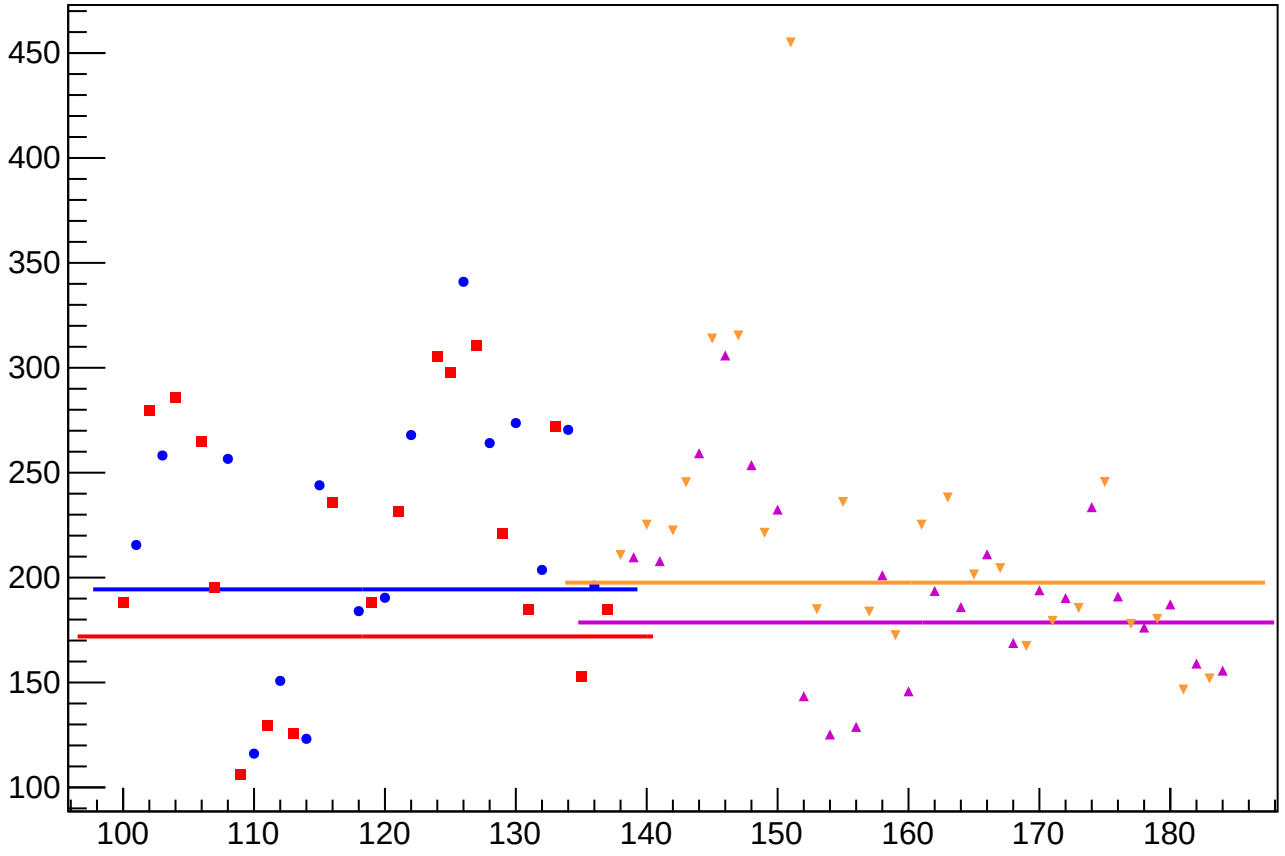
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 93.573+/-39.964 χ^2/NDF: 30.2/39

All: 19.265+/-27.059 χ^2/NDF: 66.7/81

- sign -43.639+/-36.770 χ^2/NDF: 30.1/41

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

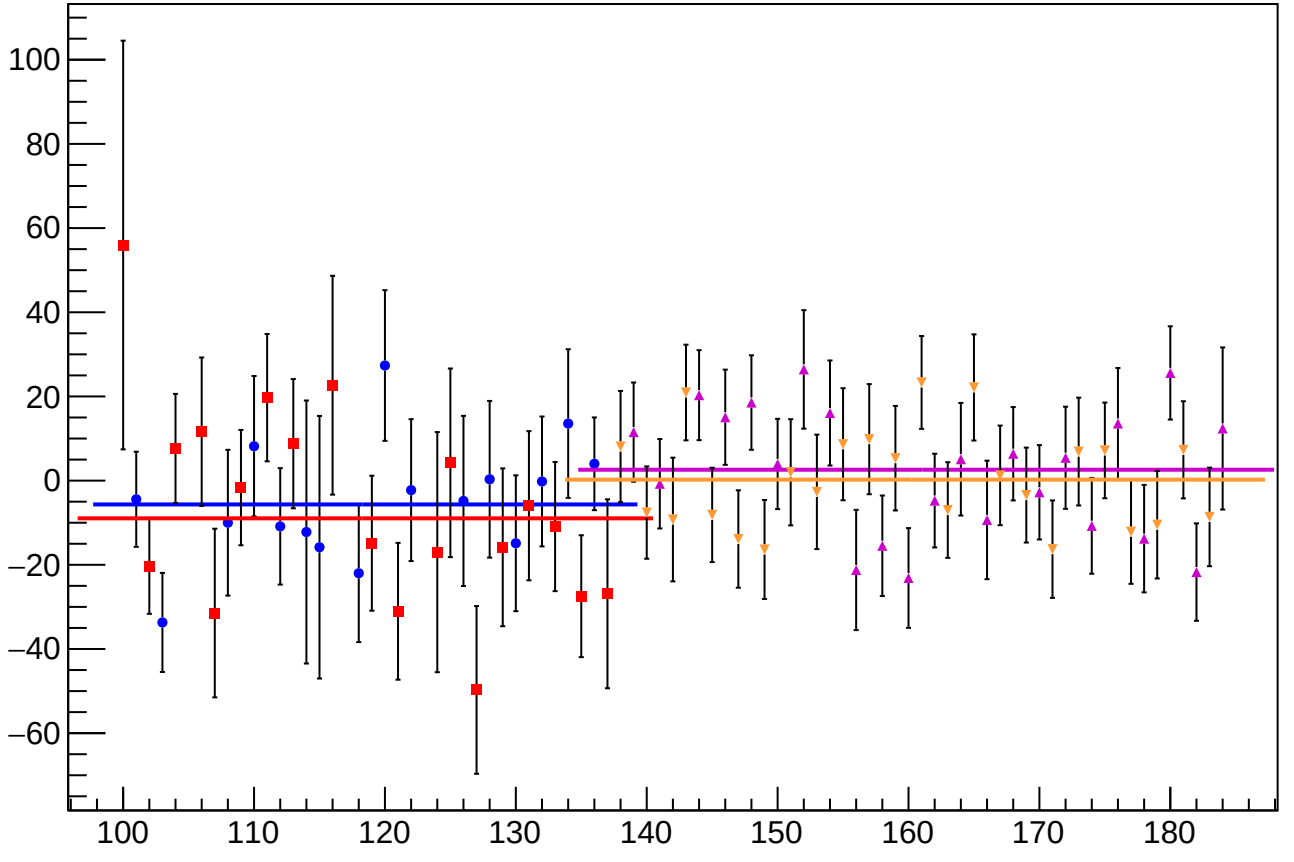
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 196.731+/-0.028 χ^2/NDF: 2813512.3/39

All: 185.873+/-0.019 χ^2/NDF: 6429893.9/81

- sign 176.680+/-0.026 χ^2/NDF: 3343736.1/41

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

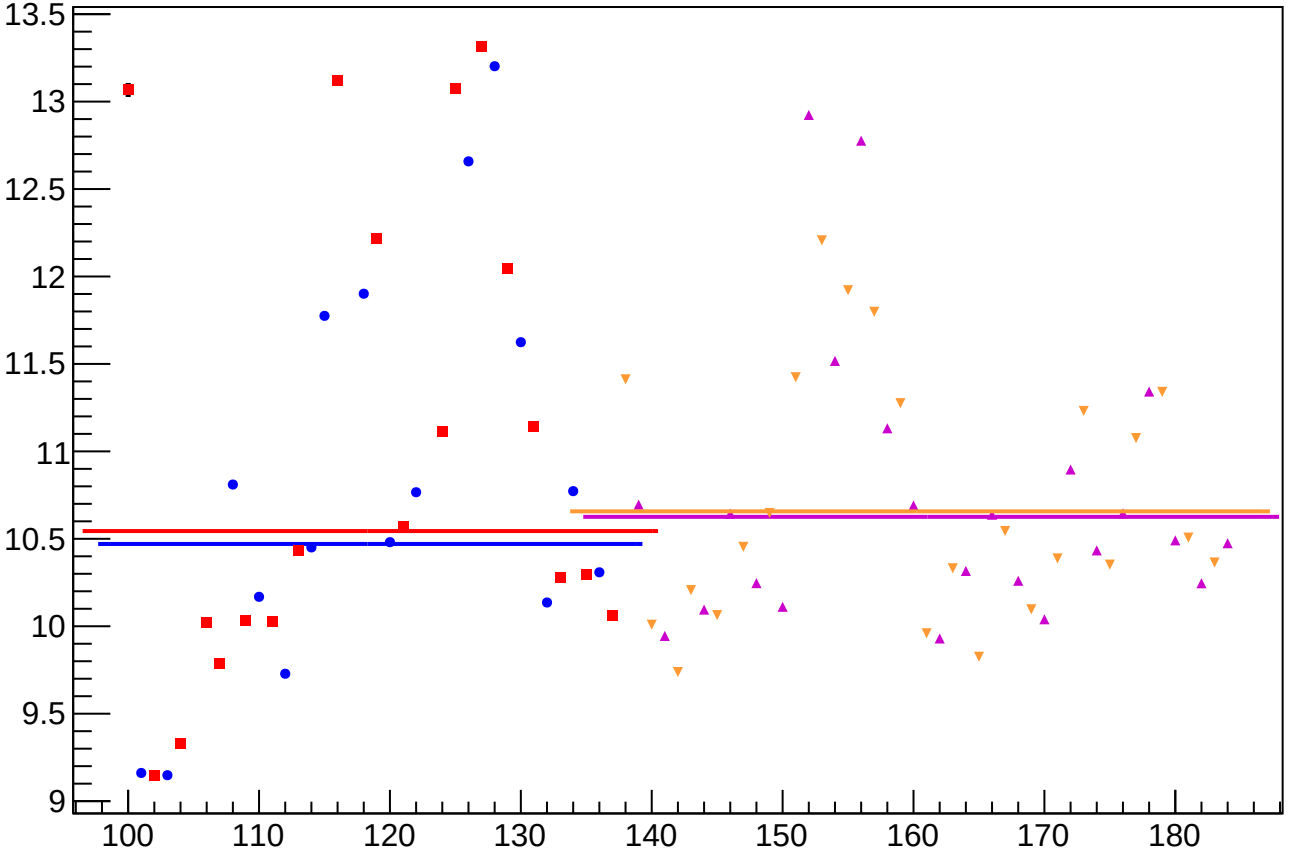
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.422+/-2.089 χ^2/NDF: 38.3/39

All: -1.106+/-1.484 χ^2/NDF: 102.2/81

- sign -0.783+/-2.108 χ^2/NDF: 63.8/41

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

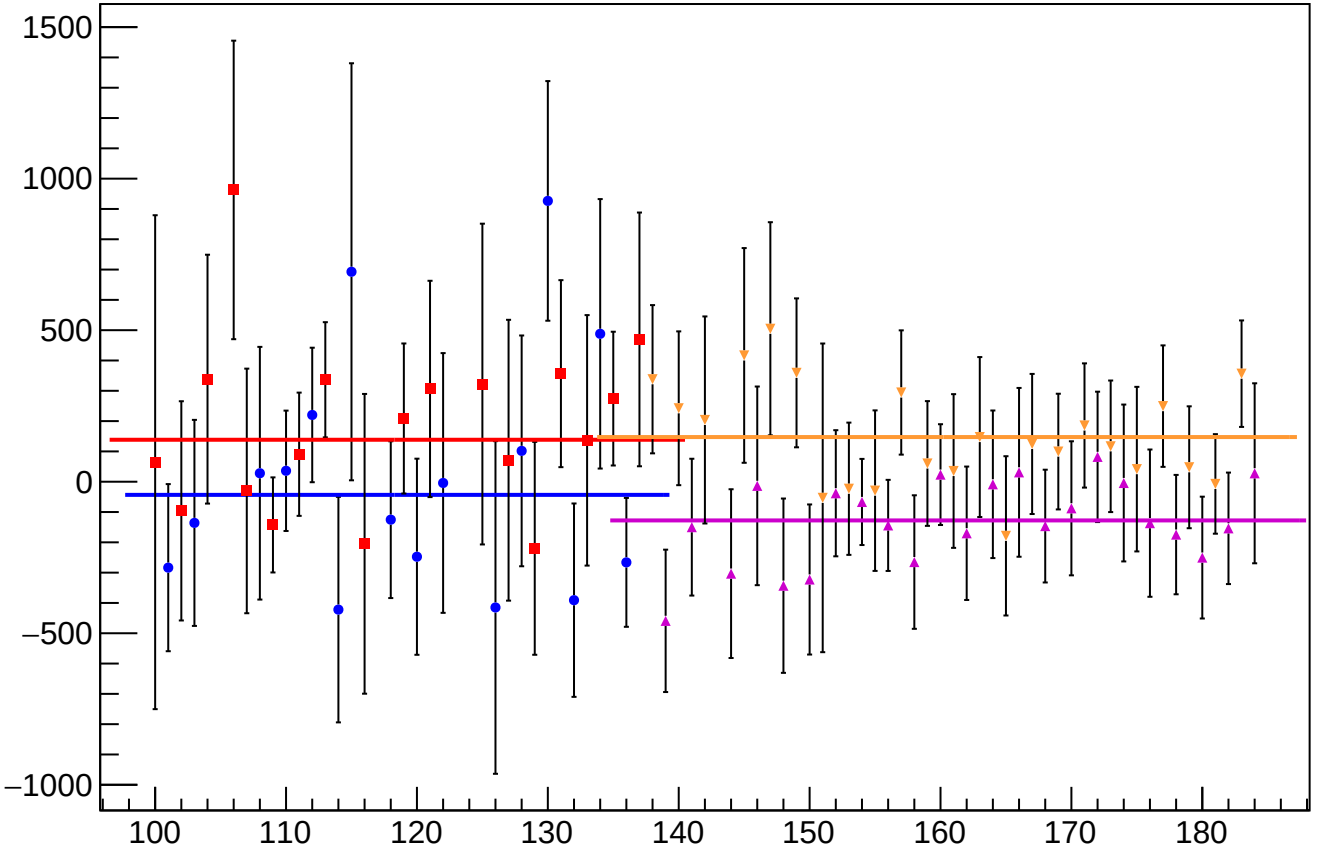
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.605+/-0.001 χ^2/NDF: 302445.0/39

All: 10.603+/-0.001 χ^2/NDF: 649385.1/81

- sign 10.602+/-0.001 χ^2/NDF: 346938.5/41

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

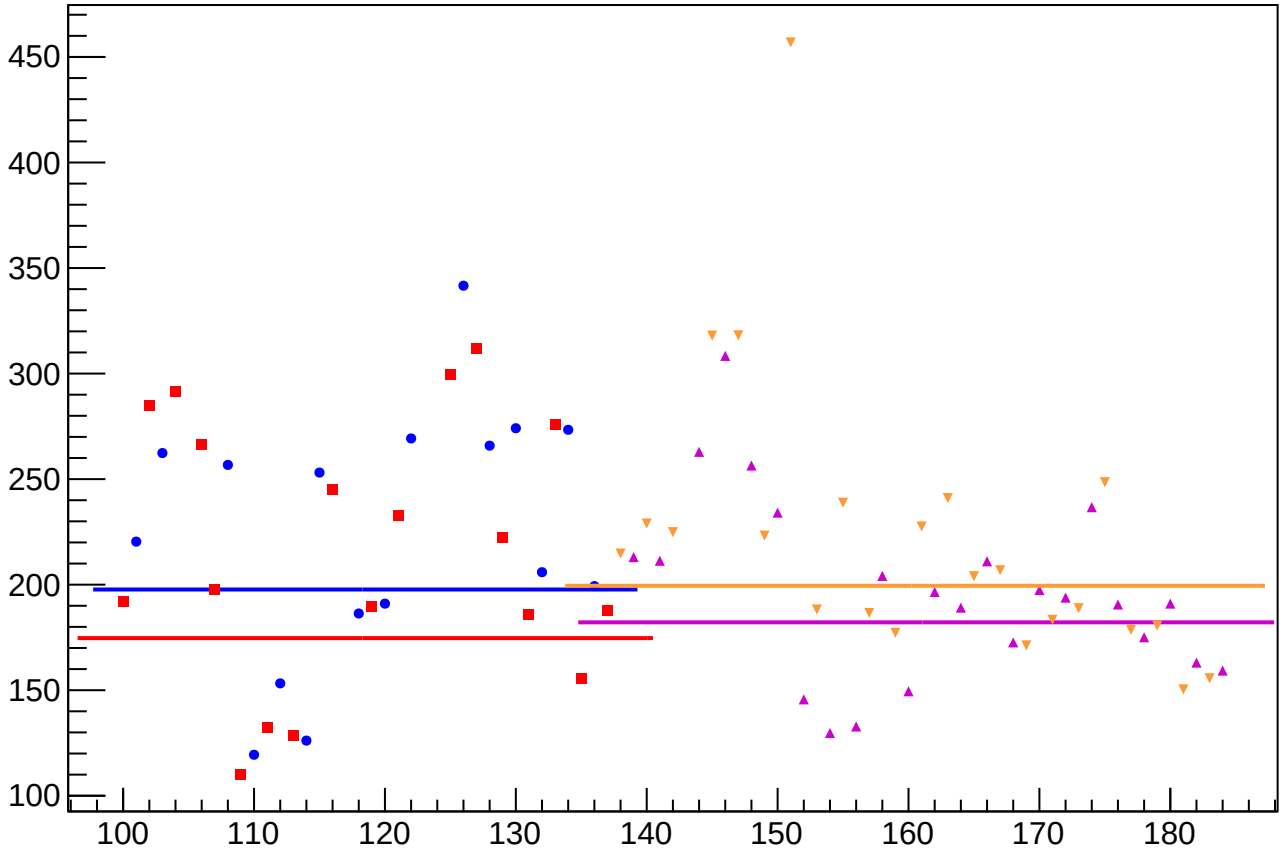
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 94.040+/-41.019 χ^2/NDF: 29.7/38

All: 14.989+/-27.671 χ^2/NDF: 66.1/79

- sign -51.024+/-37.484 χ^2/NDF: 29.6/40

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

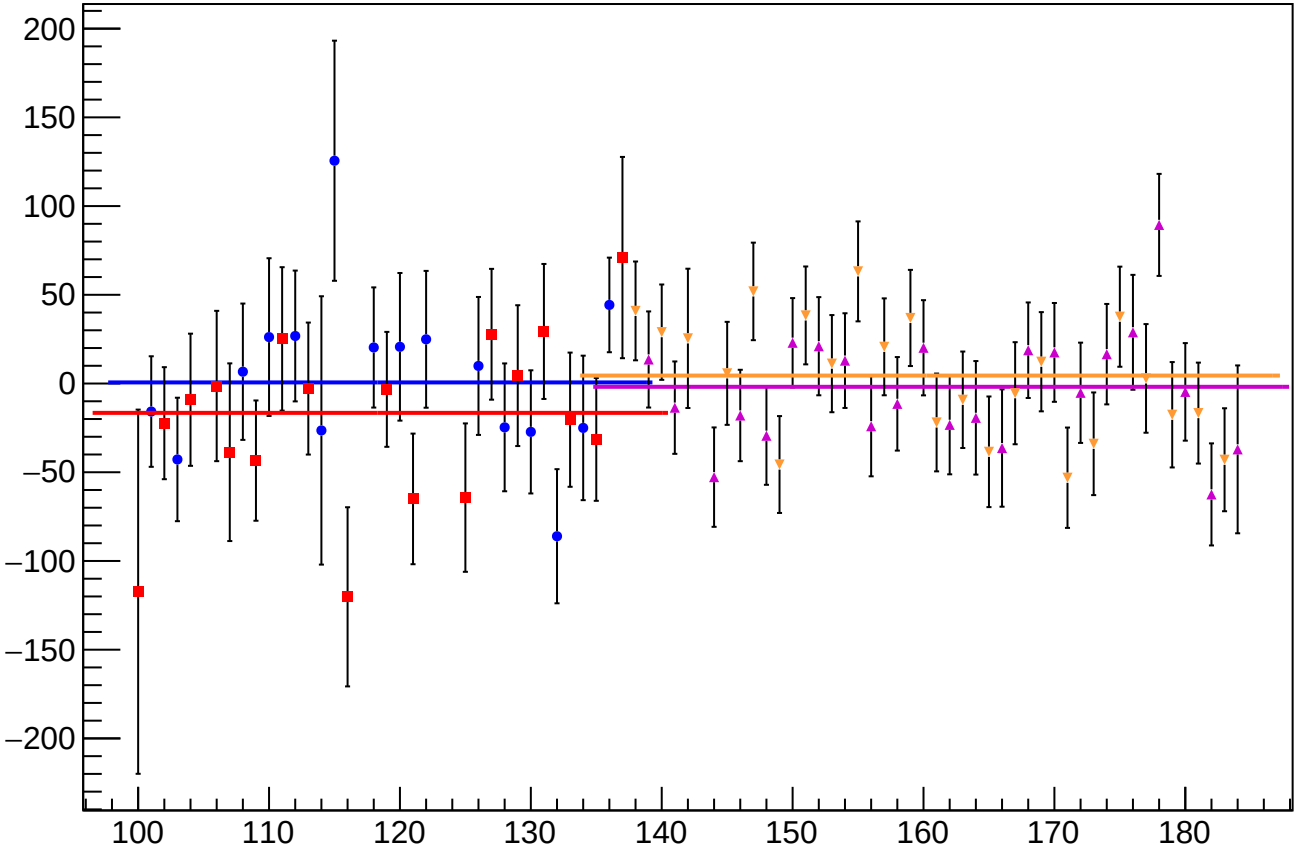
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 198.987+/-0.029 χ^2/NDF: 2654041.3/38

All: 188.639+/-0.020 χ^2/NDF: 6023021.3/79

- sign 179.998+/-0.027 χ^2/NDF: 3135405.7/40

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

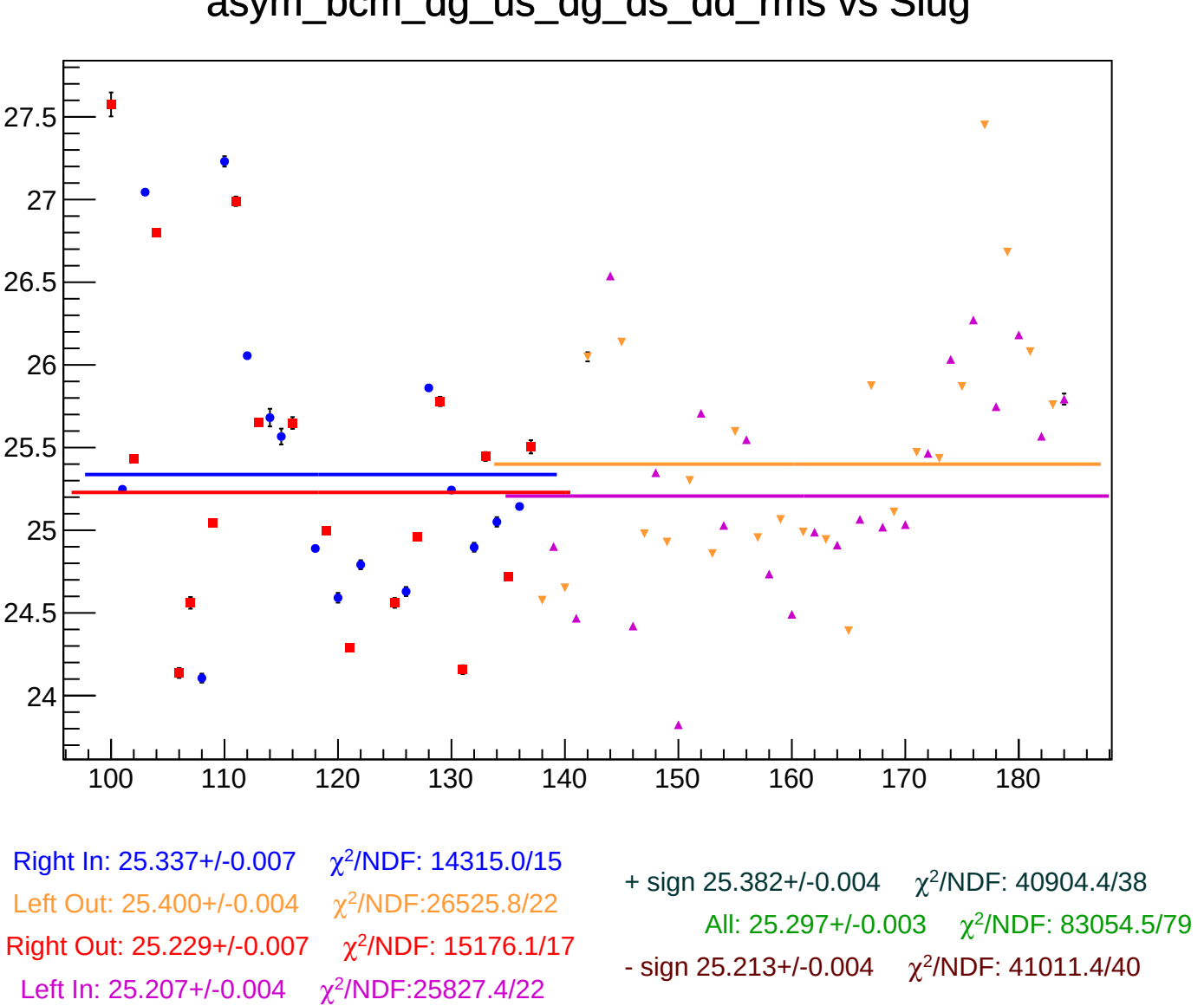
Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

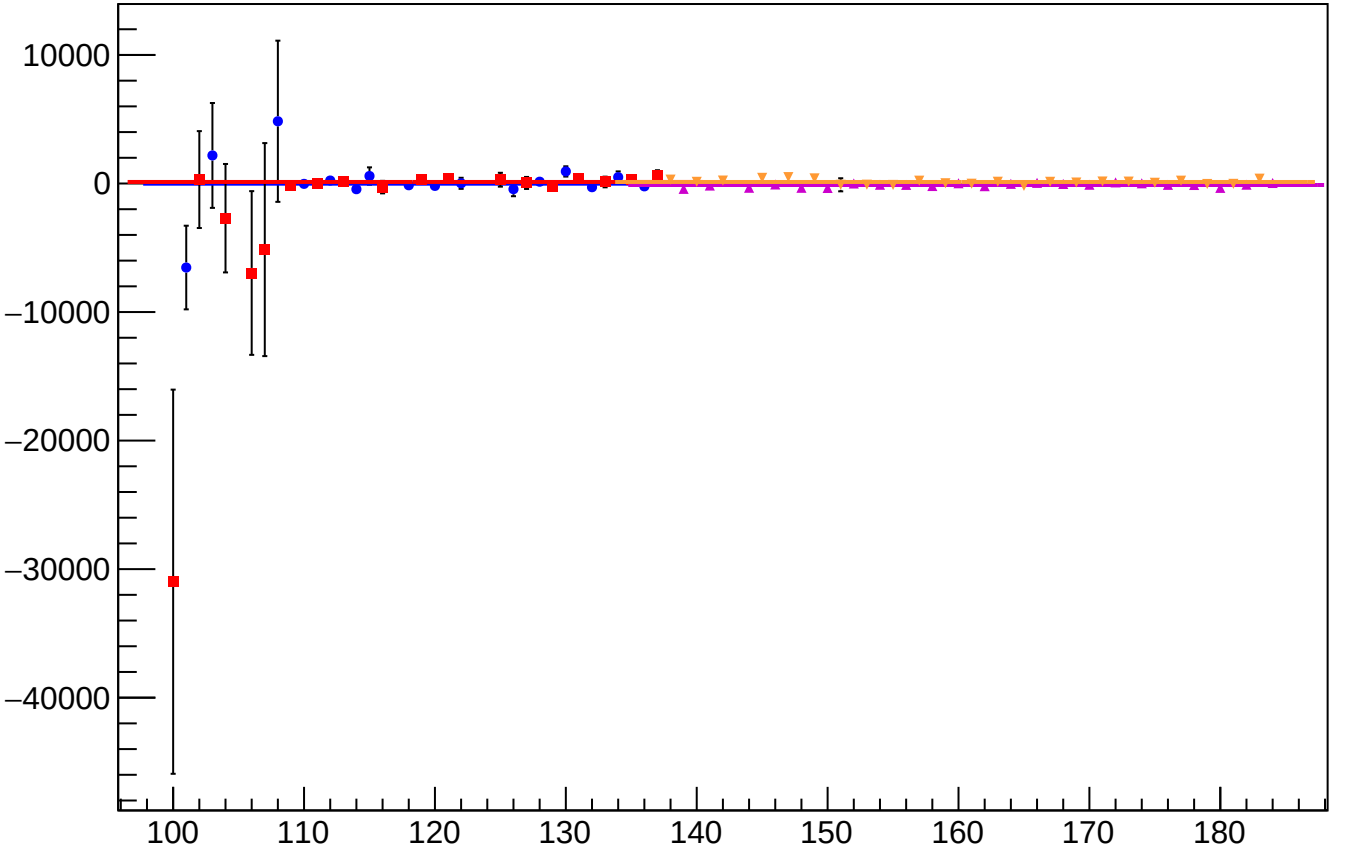
+ sign 3.383+/-5.027 χ^2/NDF: 48.1/38

All: -1.380+/-3.538 χ^2/NDF: 96.1/79

- sign -6.052+/-4.979 χ^2/NDF: 46.2/40


asym_bcm_dg_us_dg_ds_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: 25.400+/-0.004 χ²/NDF:26525.8/22
Right Out: 25.229+/-0.007 χ²/NDF: 15176.1/17
Left In: 25.207+/-0.004 χ²/NDF:25827.4/22
+ sign 25.382+/-0.004 χ²/NDF: 40904.4/38
All: 25.297+/-0.003 χ²/NDF: 83054.5/79
- sign 25.213+/-0.004 χ²/NDF: 41011.4/40

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

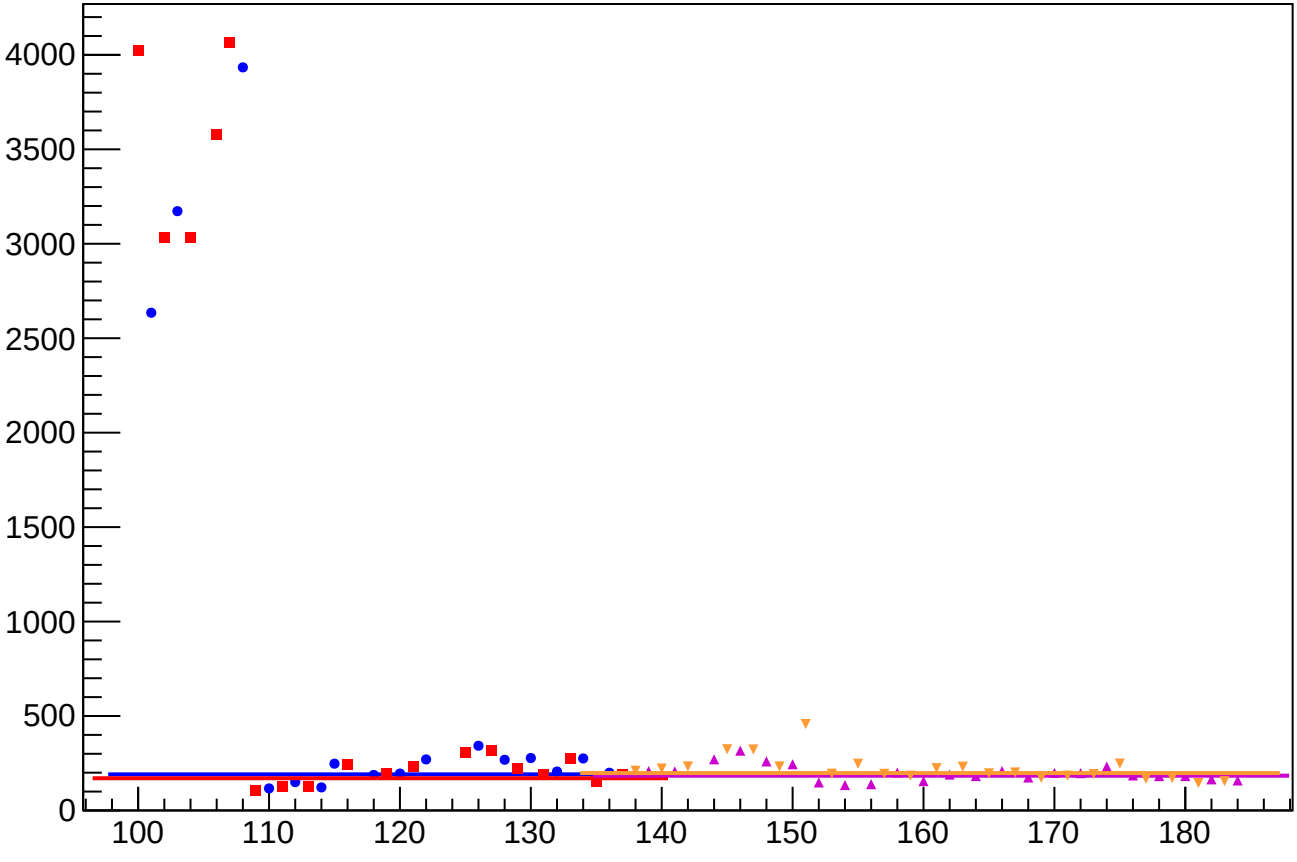
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 85.929+/-41.751 χ^2/NDF: 32.0/38

All: 8.852+/-28.449 χ^2/NDF: 68.0/79

- sign -57.951+/-38.869 χ^2/NDF: 29.7/40

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

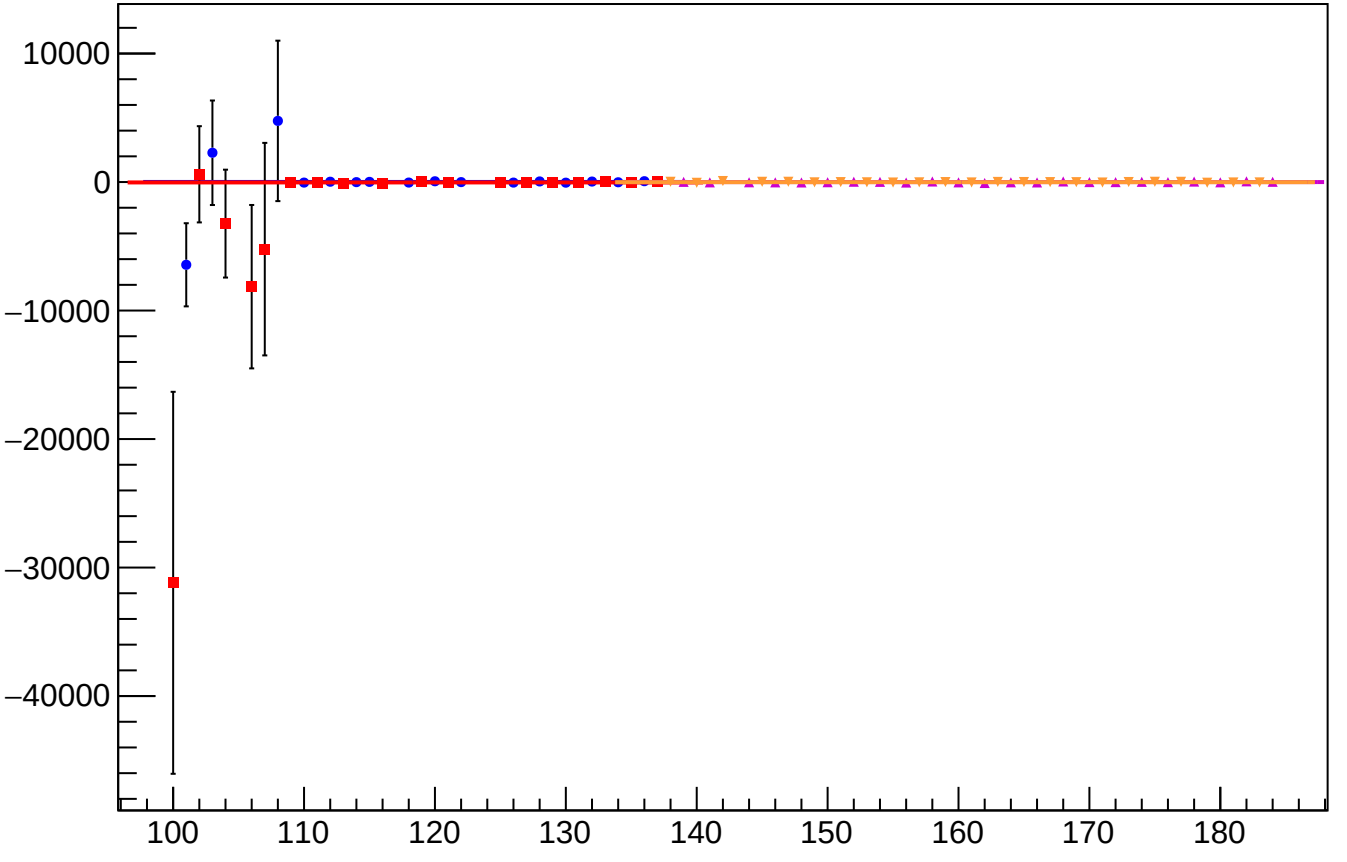
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 196.309+/-0.030 χ^2/NDF: 5612986.5/38

All: 187.950+/-0.020 χ^2/NDF: 11508094.1/79

- sign 180.705+/-0.027 χ^2/NDF: 5745470.7/40

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

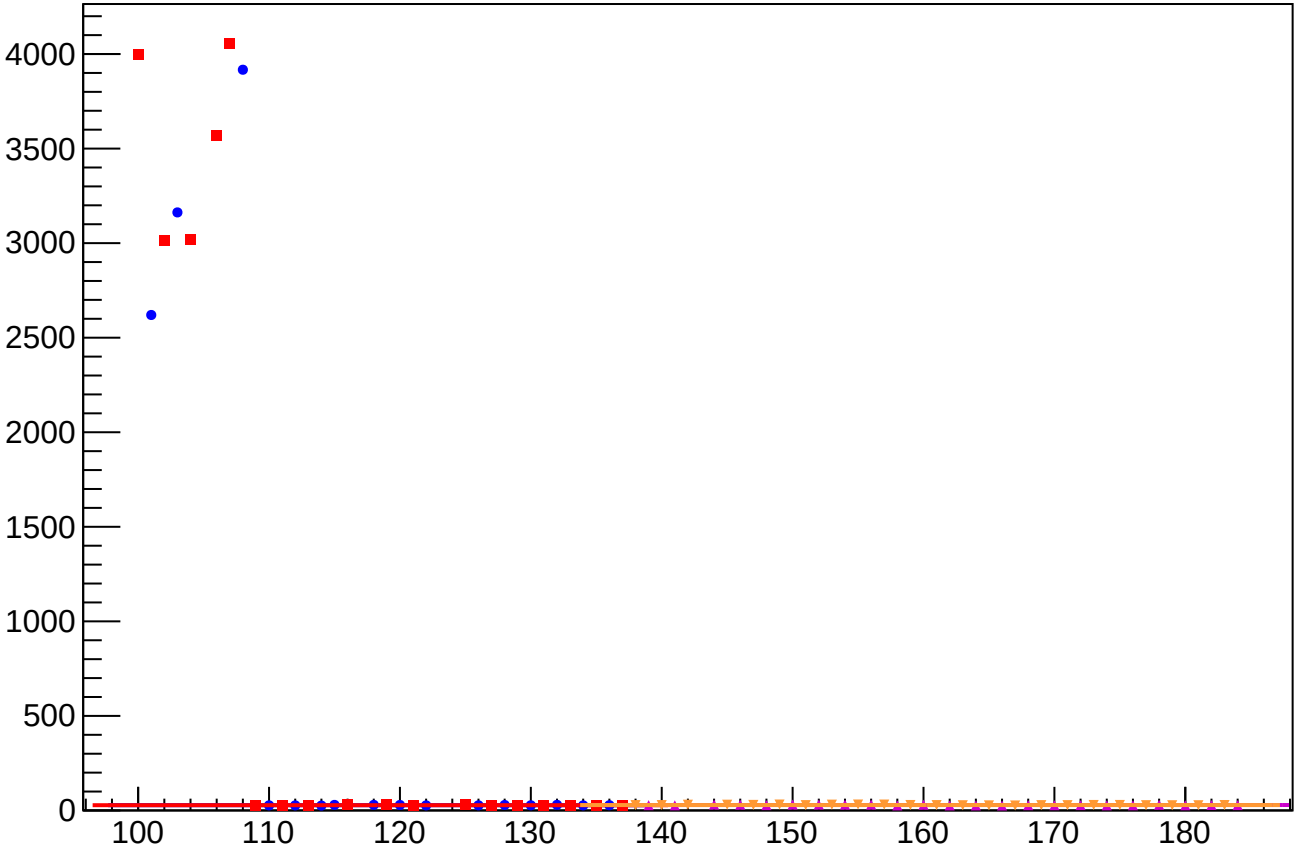
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.131+/-5.822 χ^2/NDF: 36.1/38

All: -7.673+/-4.138 χ^2/NDF: 82.4/79

- sign -9.247+/-5.881 χ^2/NDF: 46.2/40

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

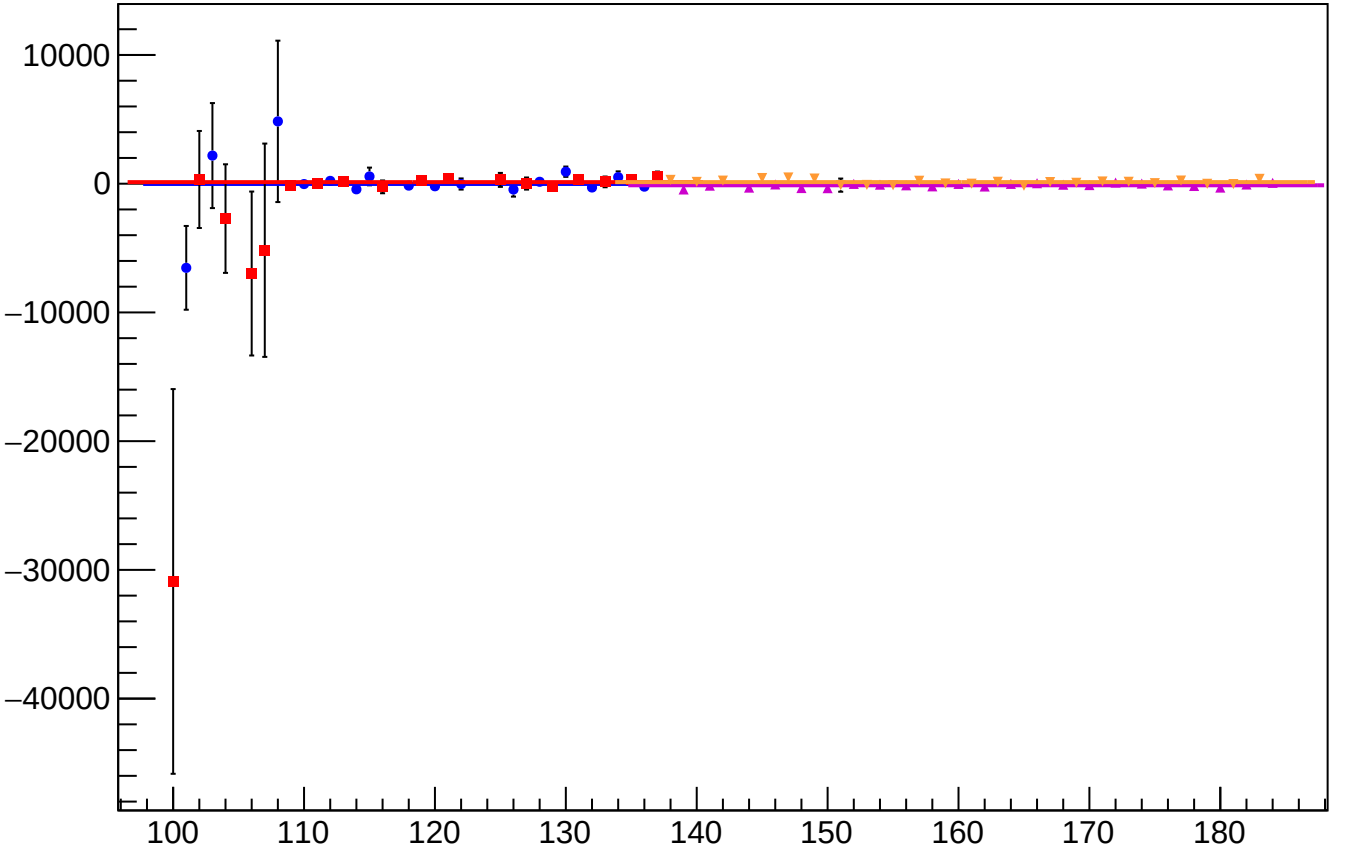
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.404+/-0.004 χ^2/NDF: 3353321.9/38

All: 28.453+/-0.003 χ^2/NDF: 7048807.9/79

\- sign 28.503+/-0.004 χ^2/NDF: 3695203.7/40

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

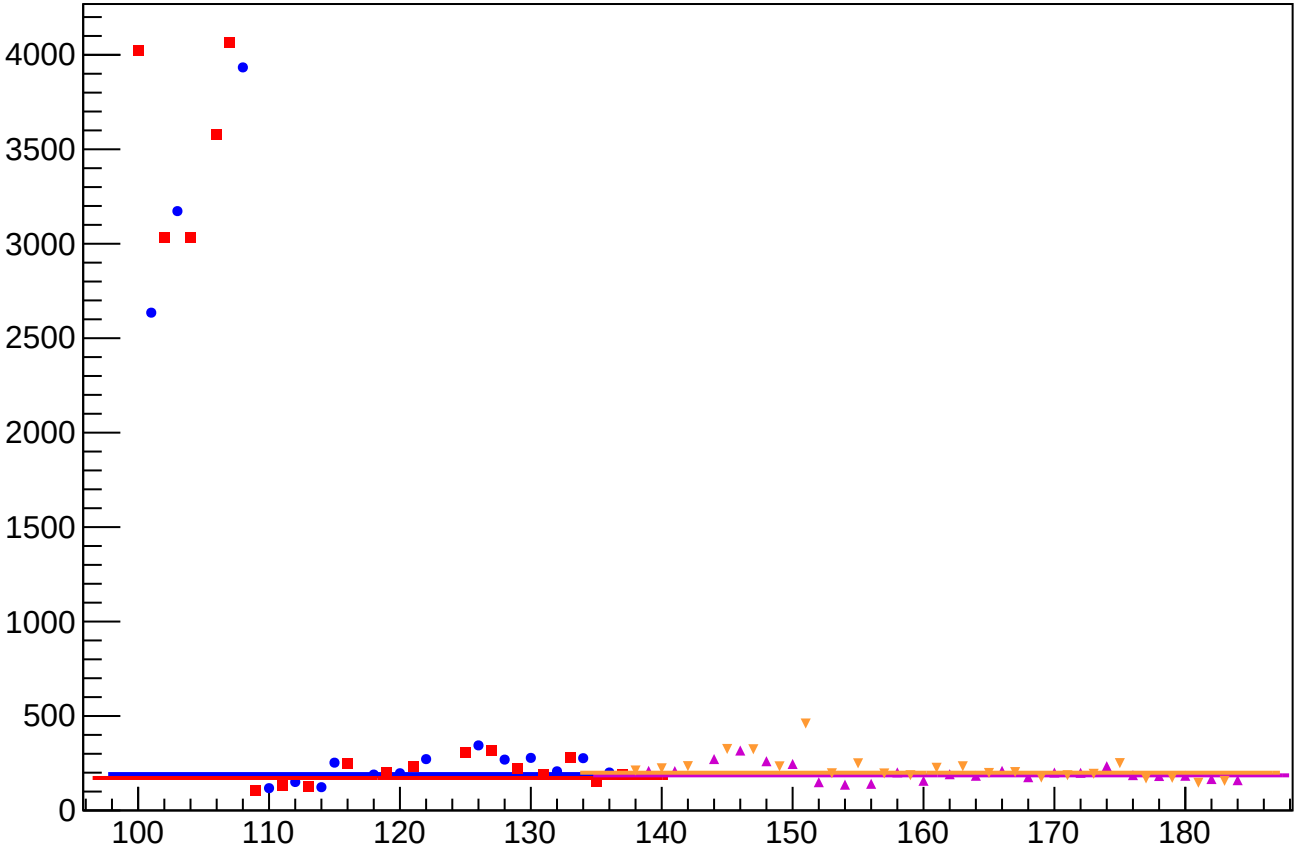
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 88.929+/-42.098 χ^2/NDF: 31.8/38

All: 7.917+/-28.693 χ^2/NDF: 67.2/79

- sign -62.368+/-39.212 χ^2/NDF: 28.5/40

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

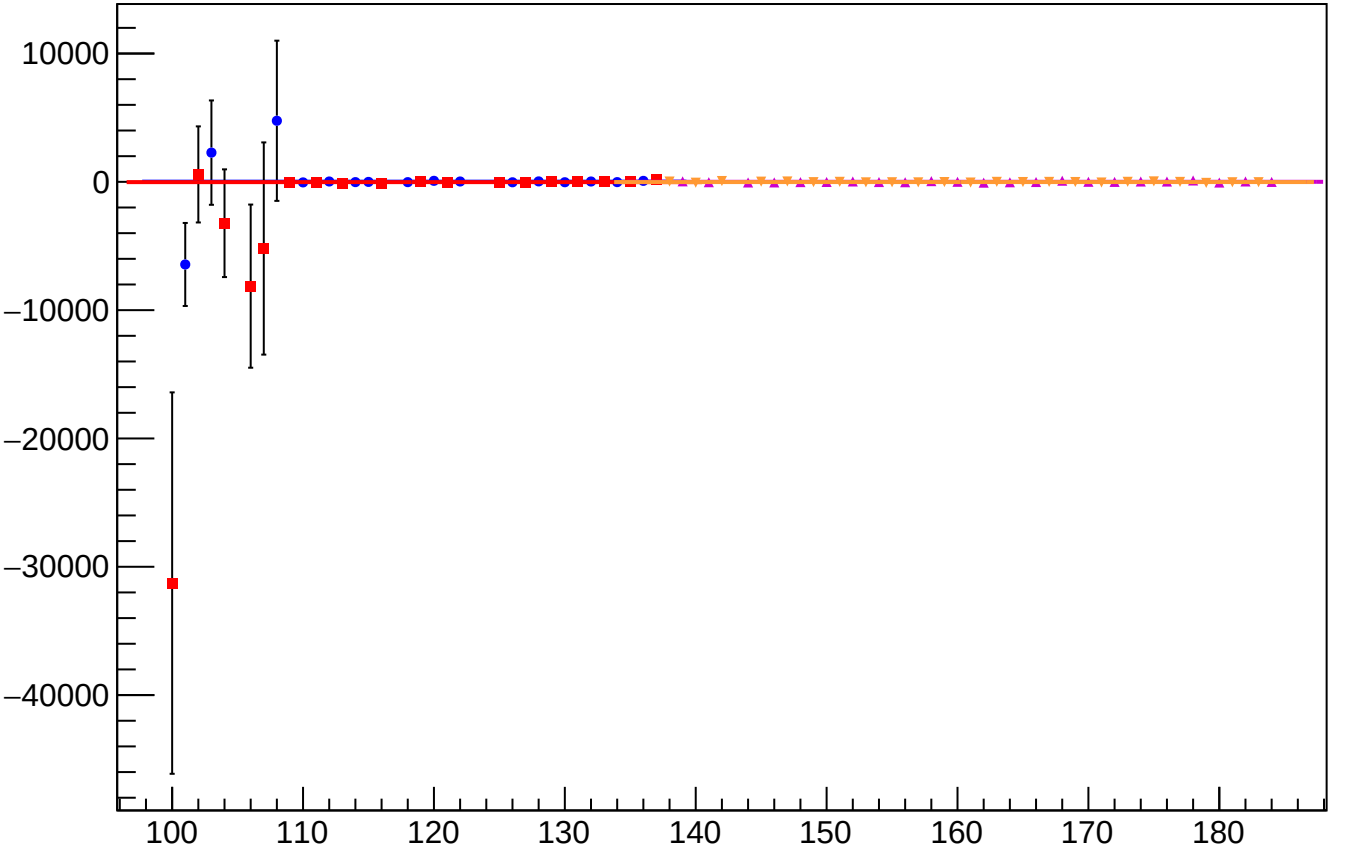
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 198.032+/-0.030 χ^2/NDF: 5580088.5/38

All: 189.670+/-0.020 χ^2/NDF: 11428063.0/79

- sign 182.415+/-0.028 χ^2/NDF: 5700602.7/40

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

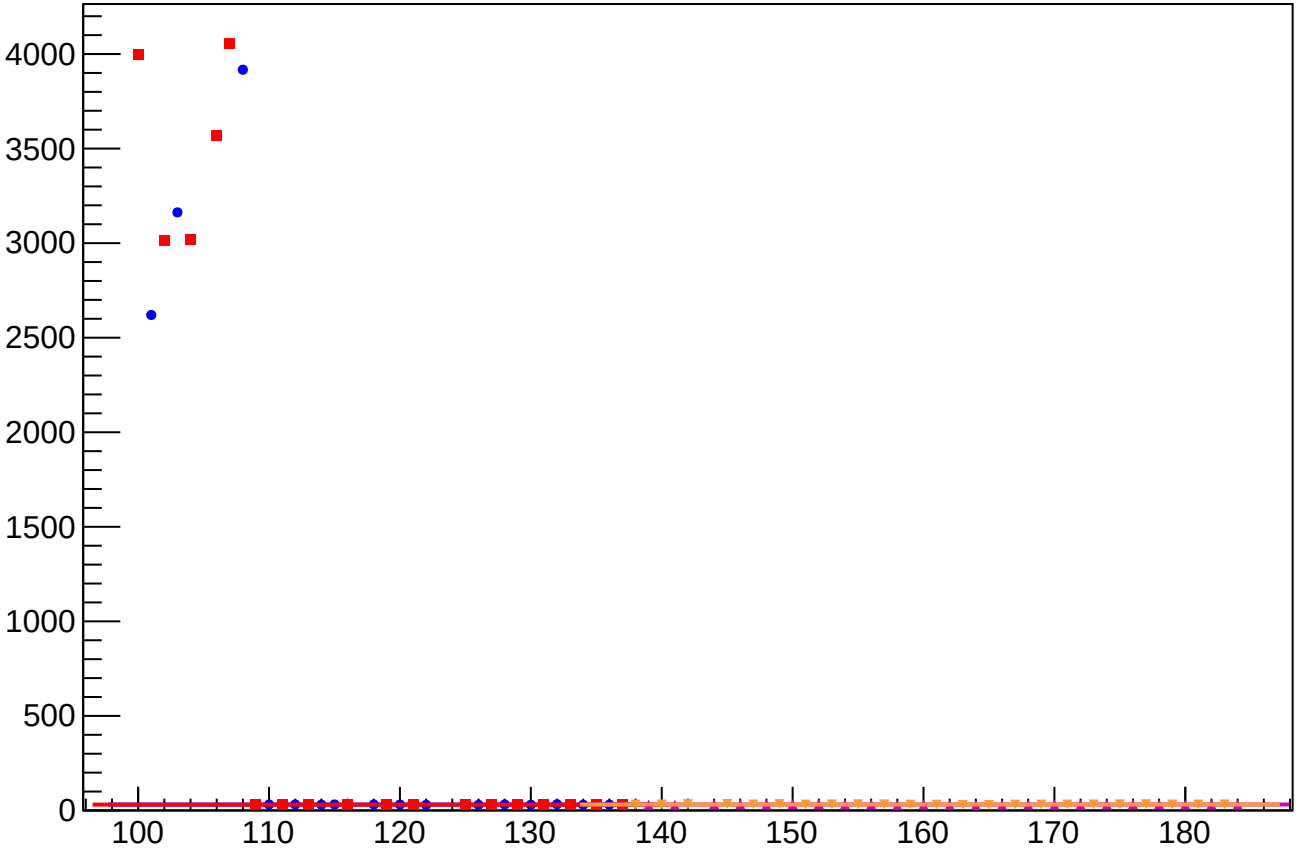
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -9.881+/-6.378 χ^2/NDF: 38.9/38

All: -6.471+/-4.532 χ^2/NDF: 105.9/79

- sign -2.993+/-6.441 χ^2/NDF: 66.5/40

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

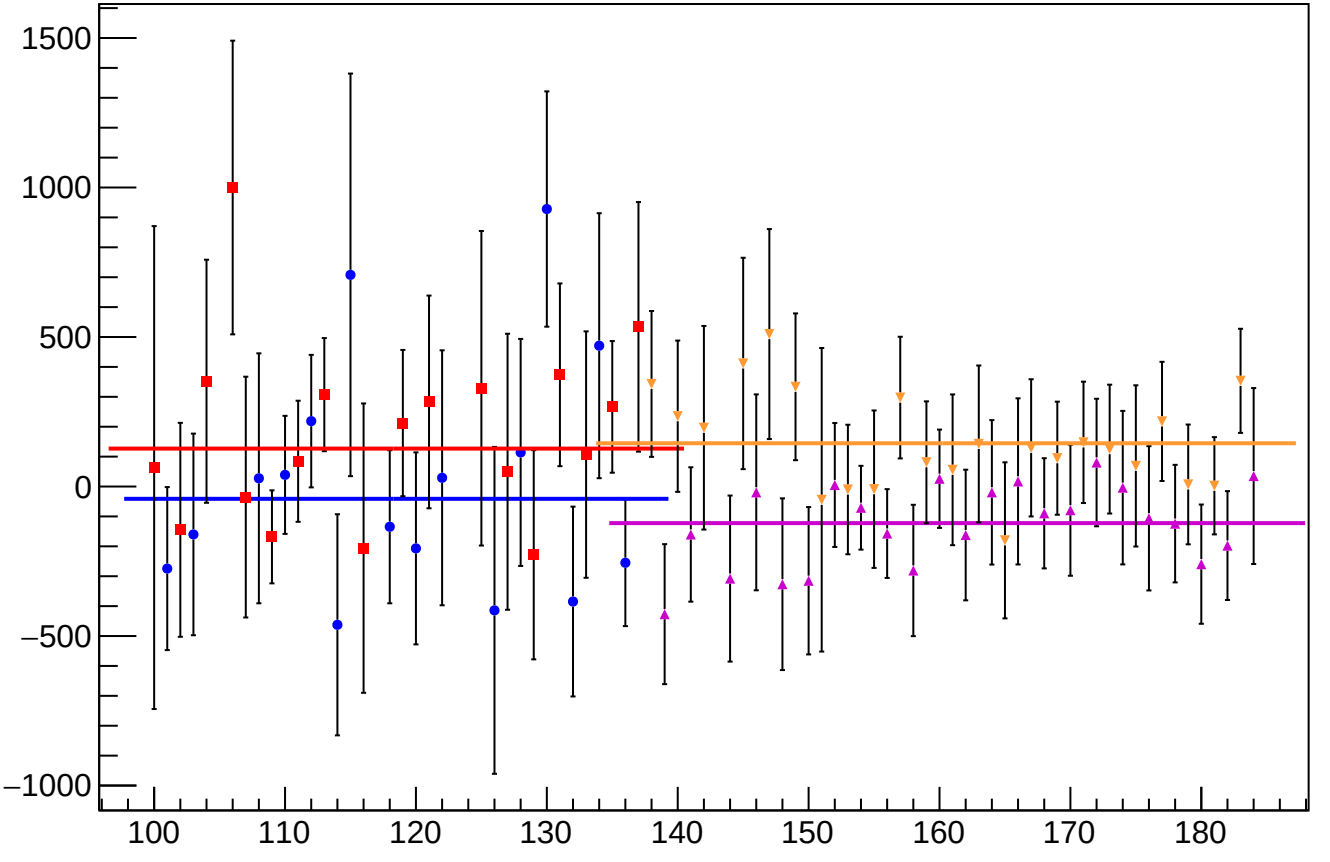
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.143+/-0.005 χ^2/NDF: 3300408.4/38

All: 31.194+/-0.003 χ^2/NDF: 6924695.7/79

- sign 31.246+/-0.005 χ^2/NDF: 3624029.8/40

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

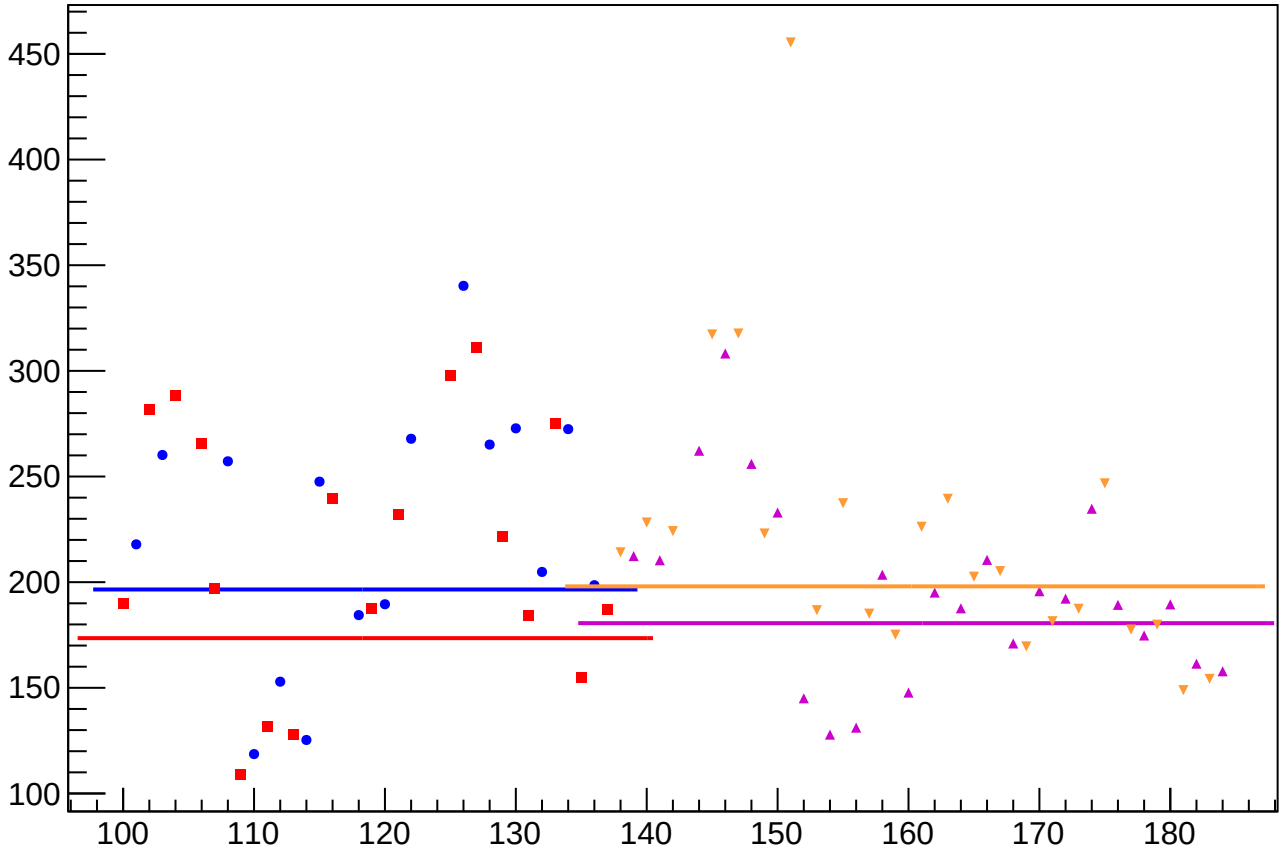
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 92.809+/-40.751 χ^2/NDF: 29.1/38

All: 14.548+/-27.477 χ^2/NDF: 65.7/79

- sign -50.692+/-37.207 χ^2/NDF: 29.8/40

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

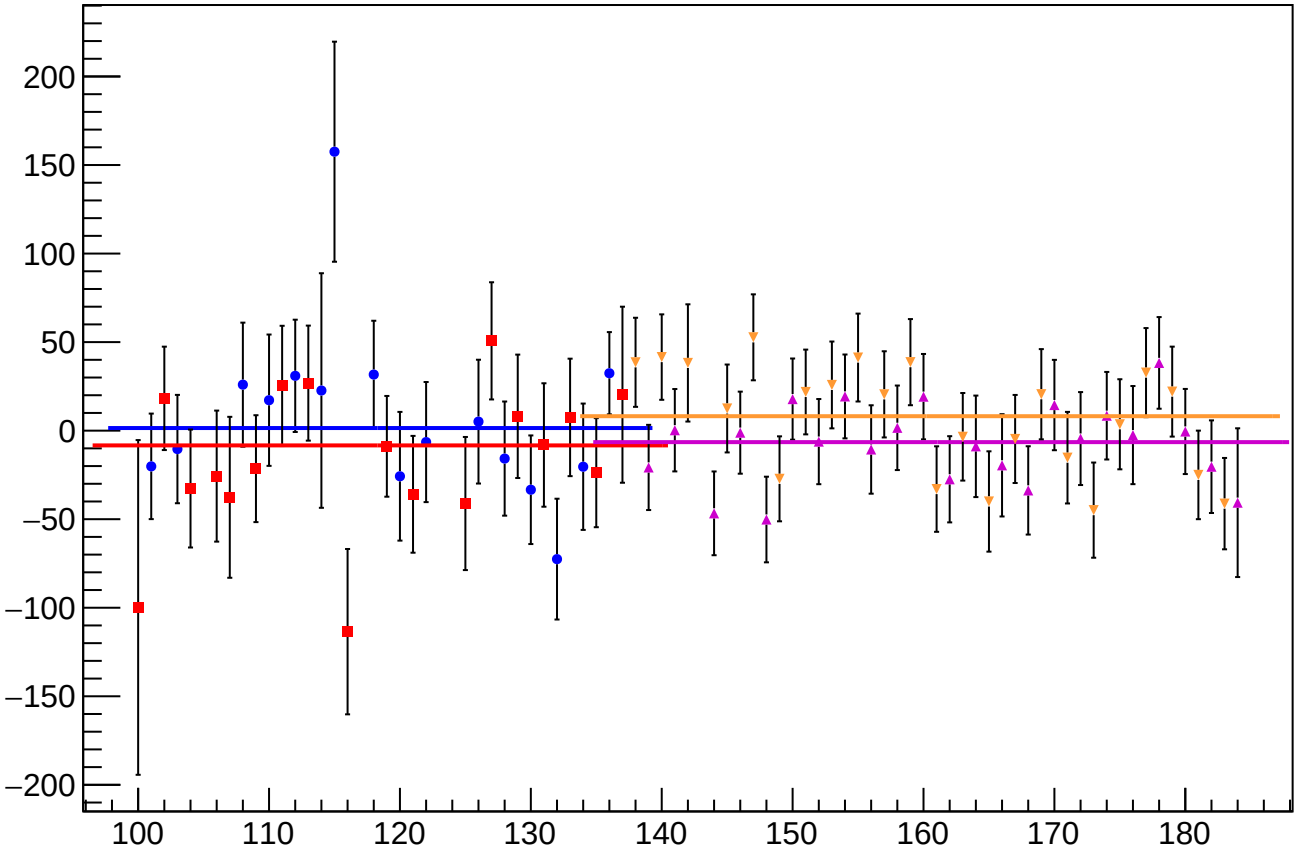
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 197.602+/-0.029 χ^2/NDF: 2681353.5/38

All: 187.218+/-0.019 χ^2/NDF: 6095151.1/79

- sign 178.562+/-0.026 χ^2/NDF: 3175680.7/40

asym_bcm_dg_us_an_us_dd_mean vs Slug



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

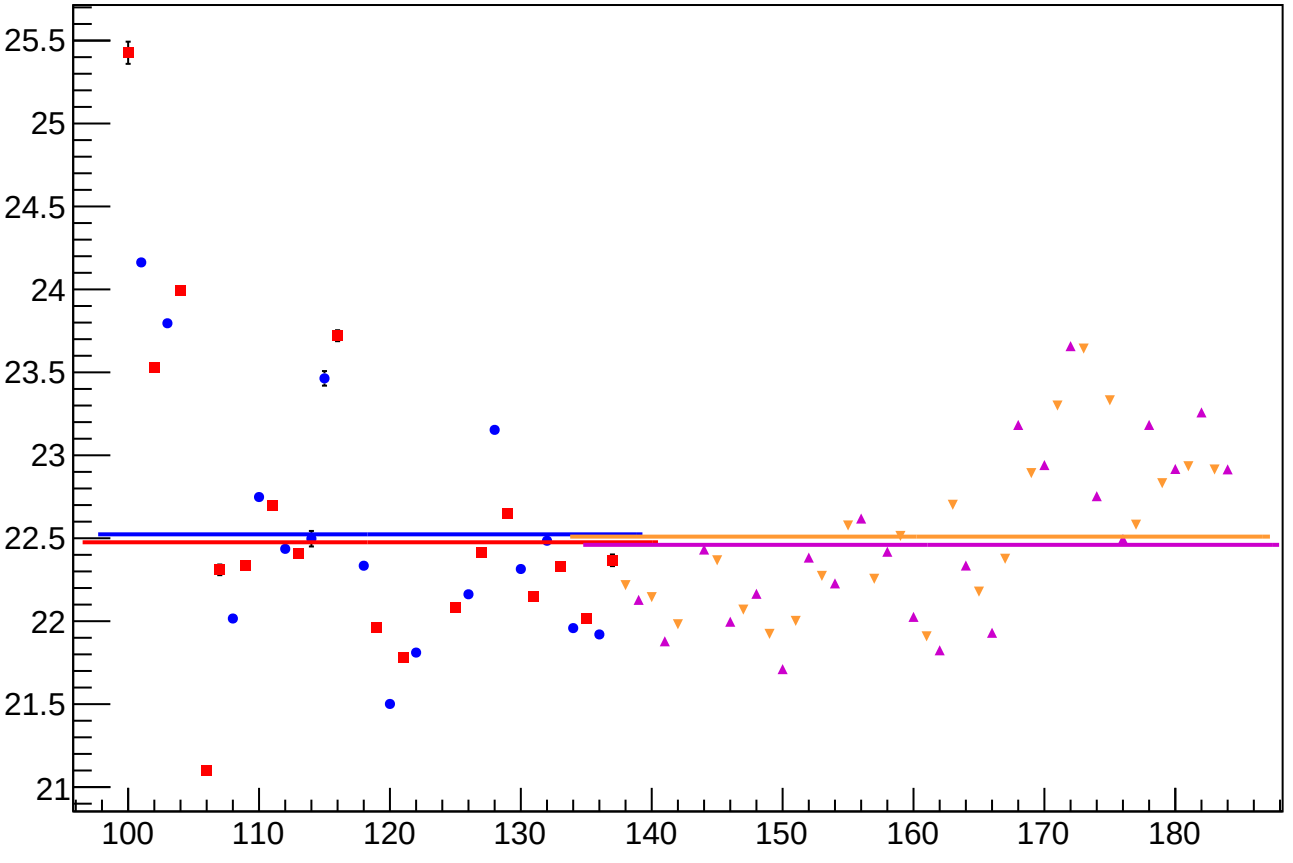
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 6.266+/-4.456 χ^2/NDF: 51.3/38

All: -0.407+/-3.142 χ^2/NDF: 89.3/79

- sign -7.010+/-4.433 χ^2/NDF: 33.5/40

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

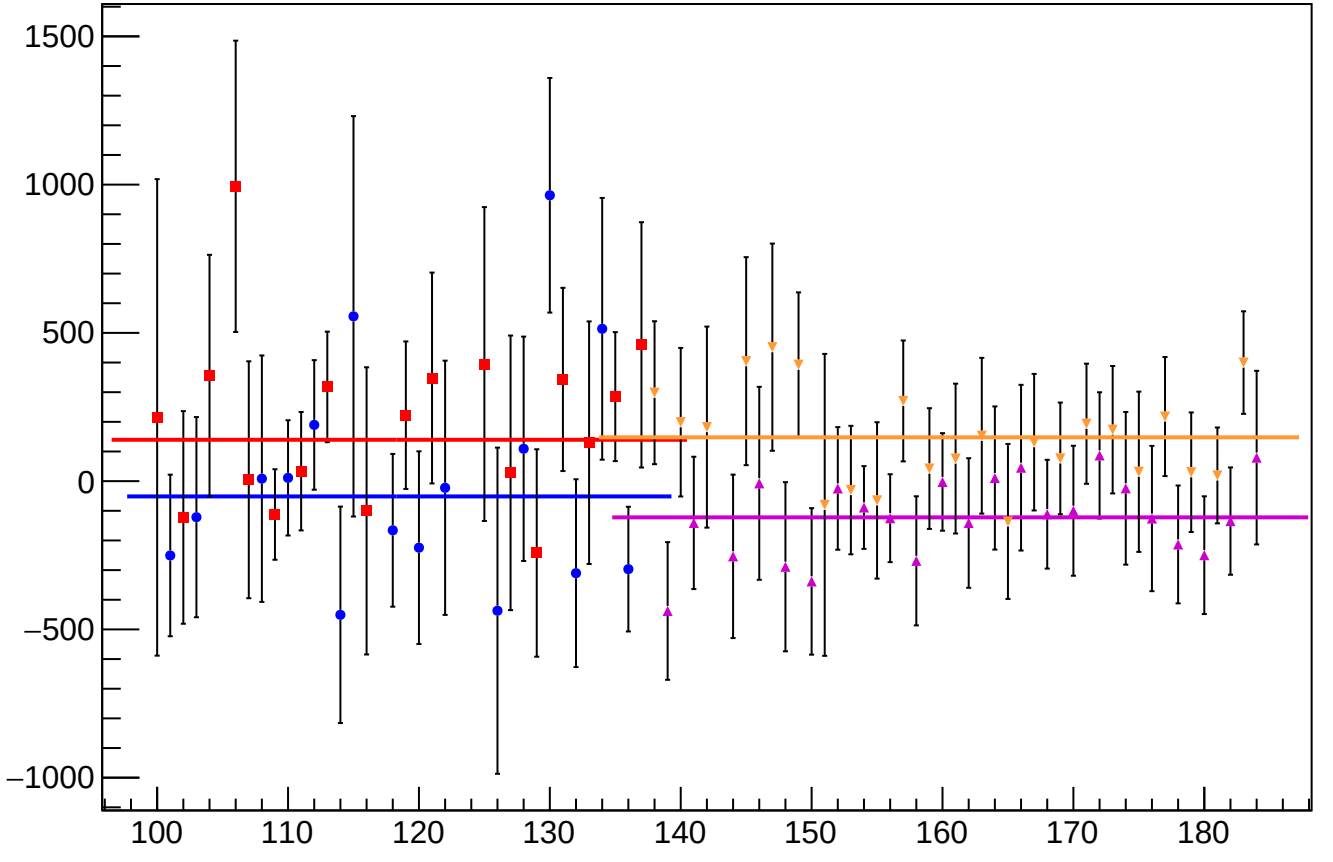
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.514+/-0.003 χ^2/NDF: 31489.1/38

All: 22.489+/-0.002 χ^2/NDF: 66269.7/79

\- sign 22.465+/-0.003 χ^2/NDF: 34658.7/40

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

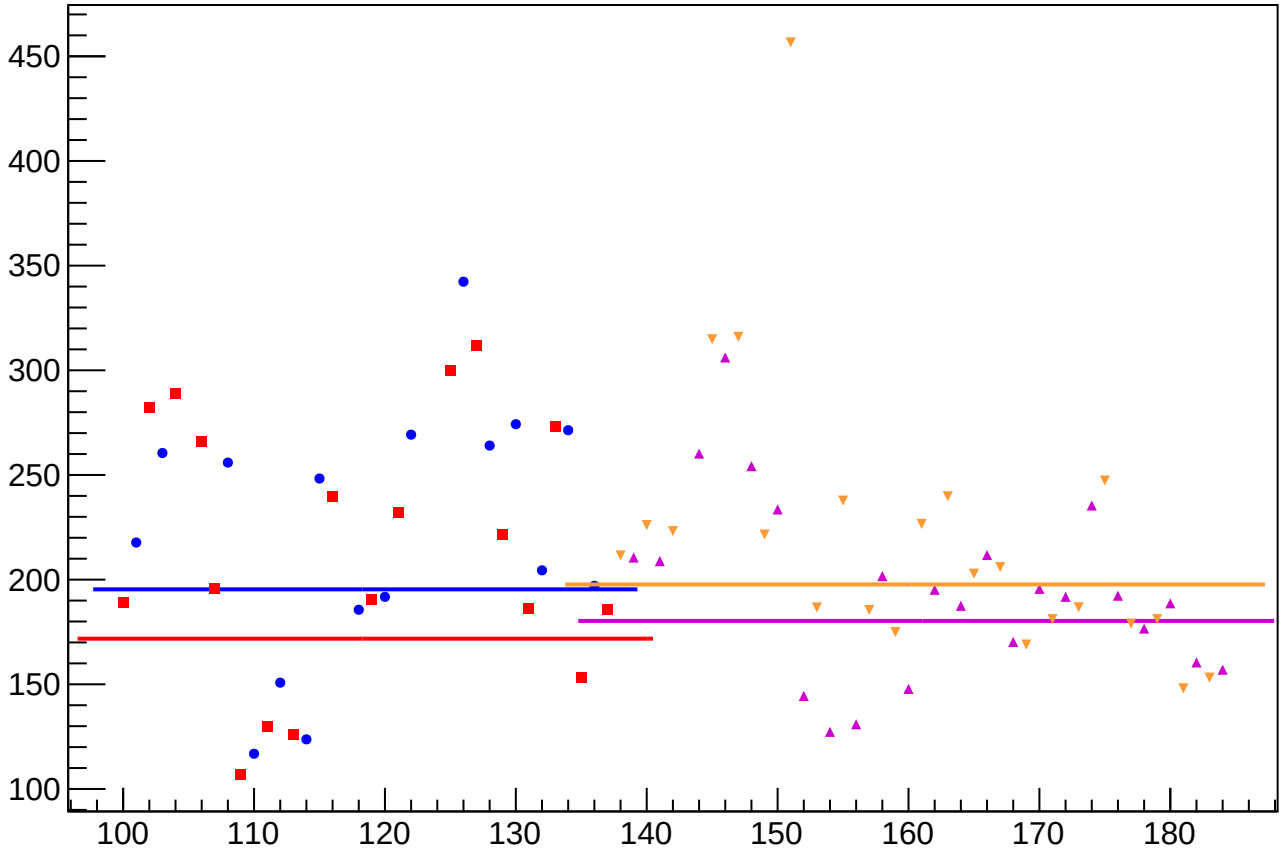
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 91.954+/-40.657 χ^2/NDF: 30.0/38

All: 16.478+/-27.399 χ^2/NDF: 65.5/79

- sign -46.319+/-37.085 χ^2/NDF: 29.3/40

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

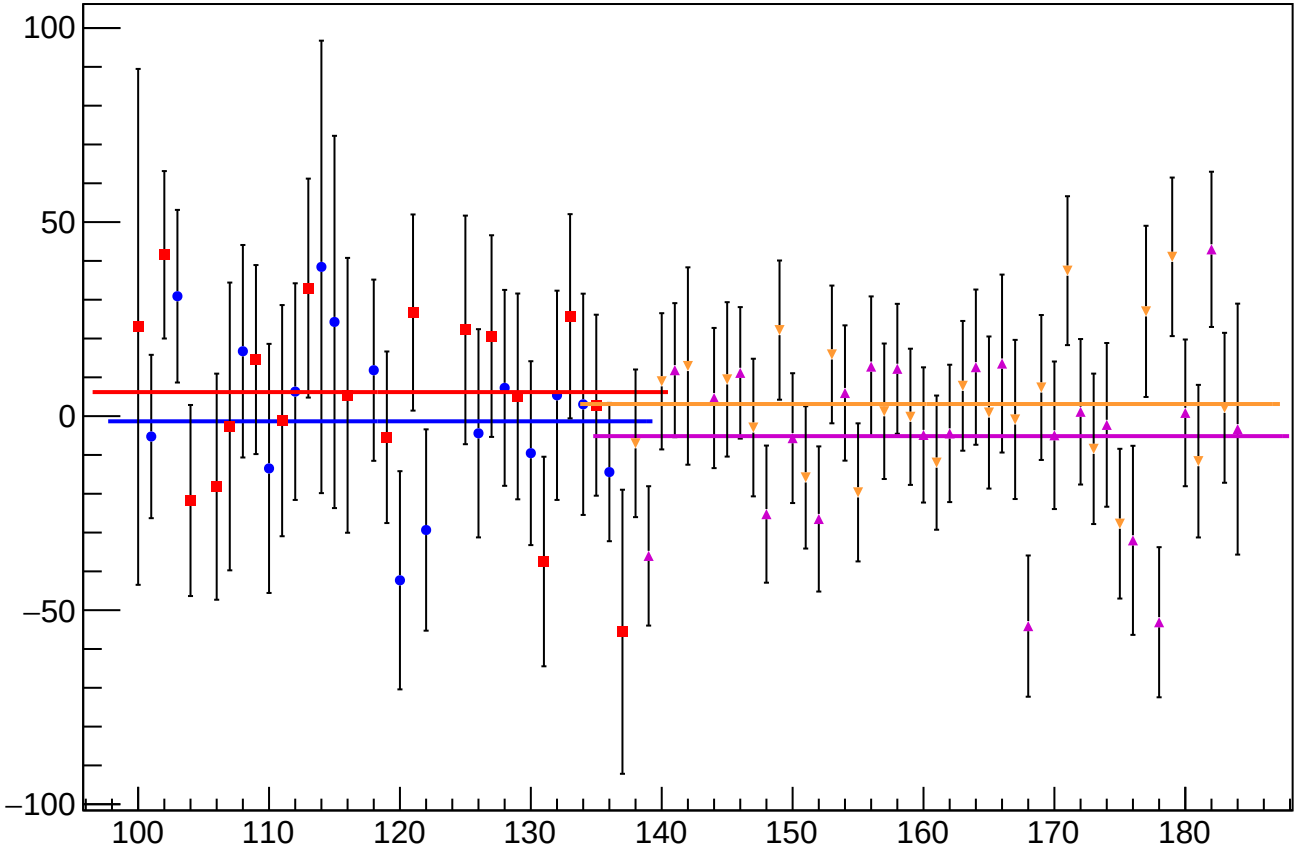
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 197.039+/-0.029 χ^2/NDF: 2724271.4/38

All: 186.548+/-0.019 χ^2/NDF: 6215024.2/79

- sign 177.820+/-0.026 χ^2/NDF: 3246815.5/40

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

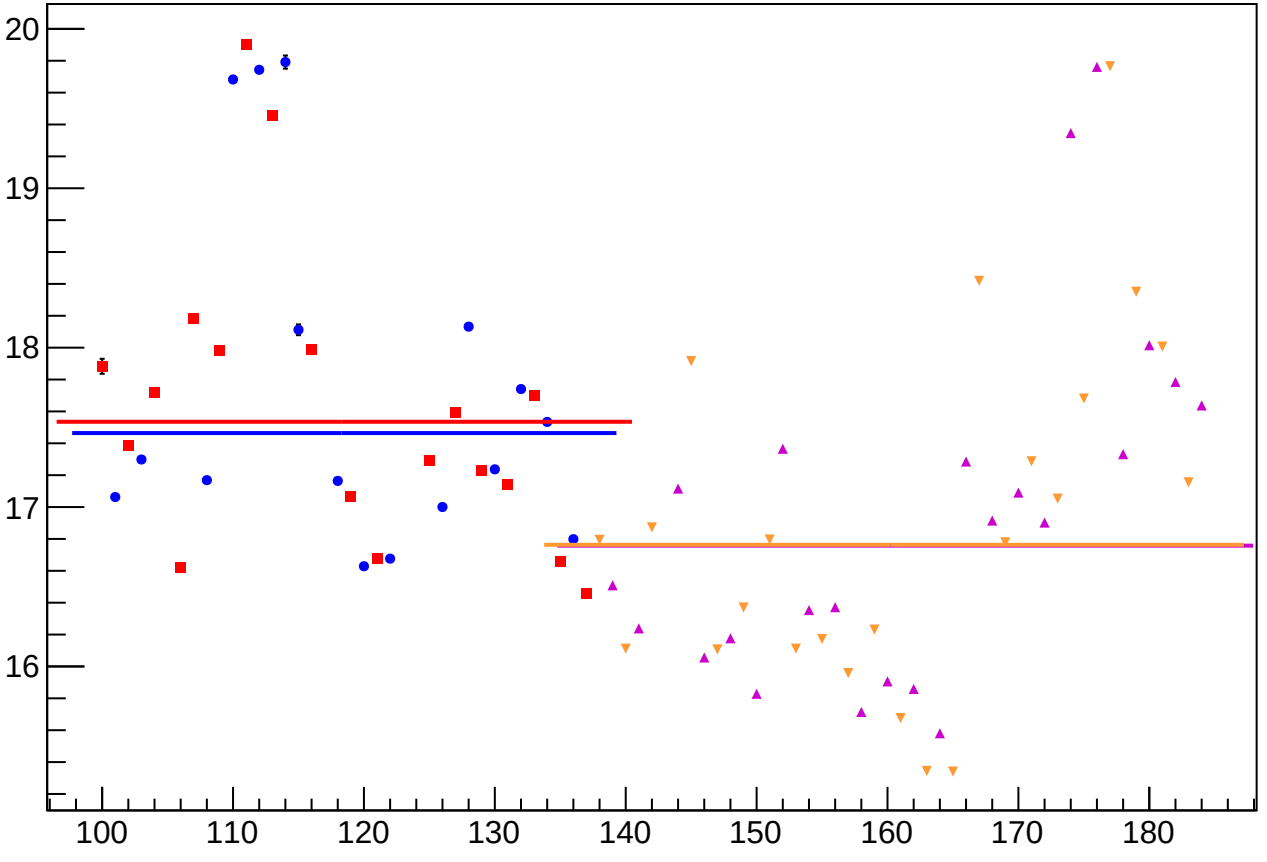
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.931+/-3.362 χ^2/NDF: 25.8/38

All: -0.089+/-2.375 χ^2/NDF: 74.5/79

- sign -2.101+/-3.356 χ^2/NDF: 48.0/40

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

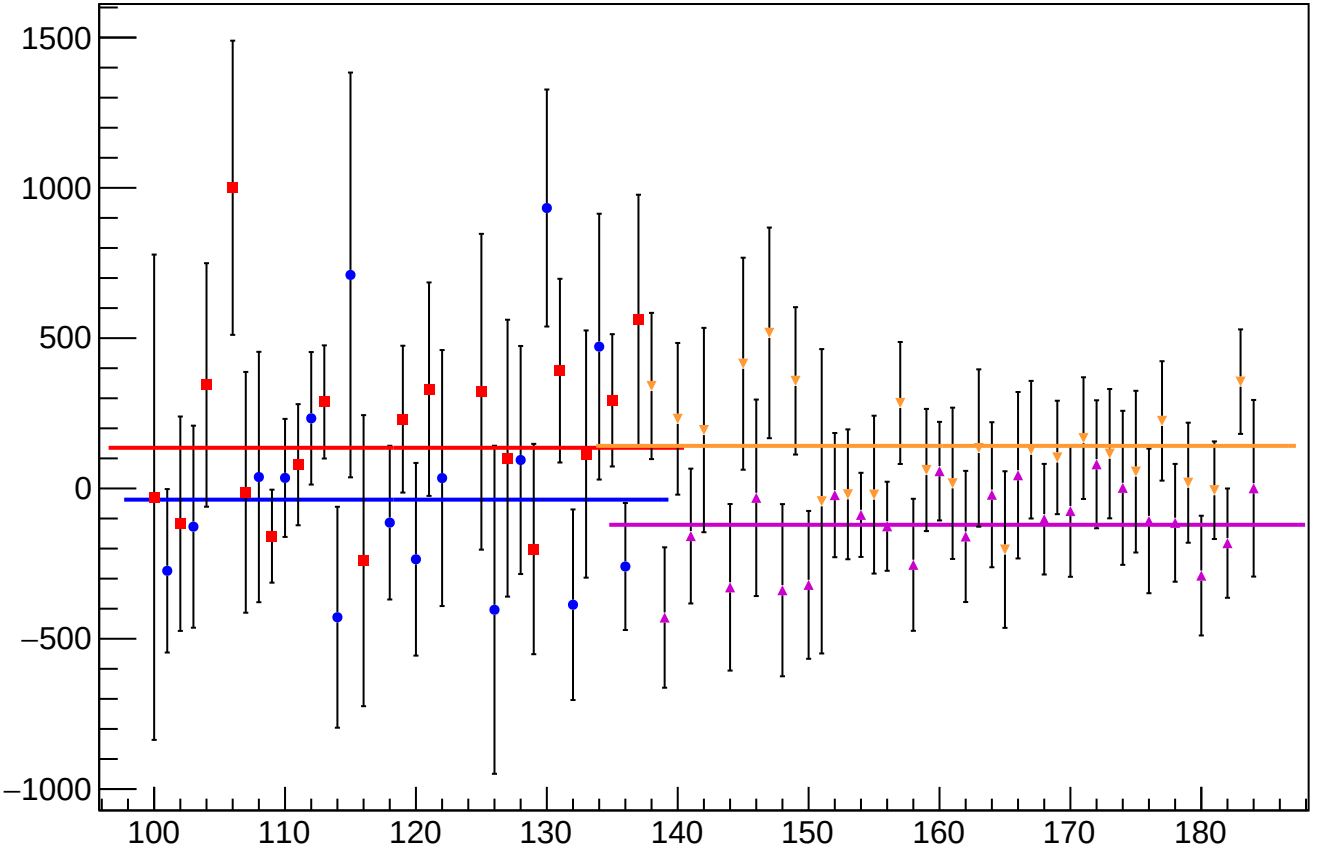
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.951+/-0.002 χ^2/NDF: 188223.4/38

All: 16.959+/-0.002 χ^2/NDF: 367113.8/79

- sign 16.967+/-0.002 χ^2/NDF: 178868.3/40

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

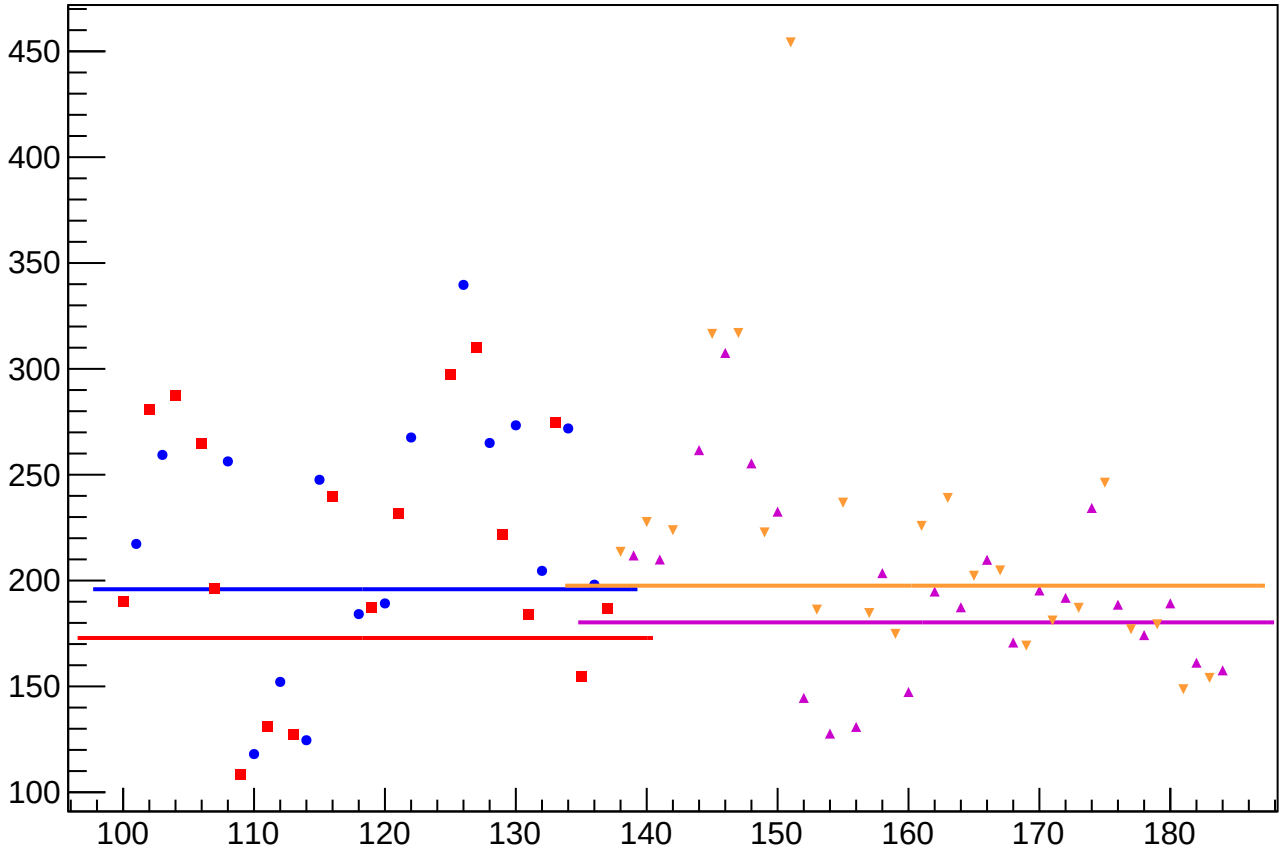
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 91.681+/-40.654 χ^2/NDF: 29.7/38

All: 16.004+/-27.412 χ^2/NDF: 66.8/79

- sign -47.087+/-37.120 χ^2/NDF: 30.8/40

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

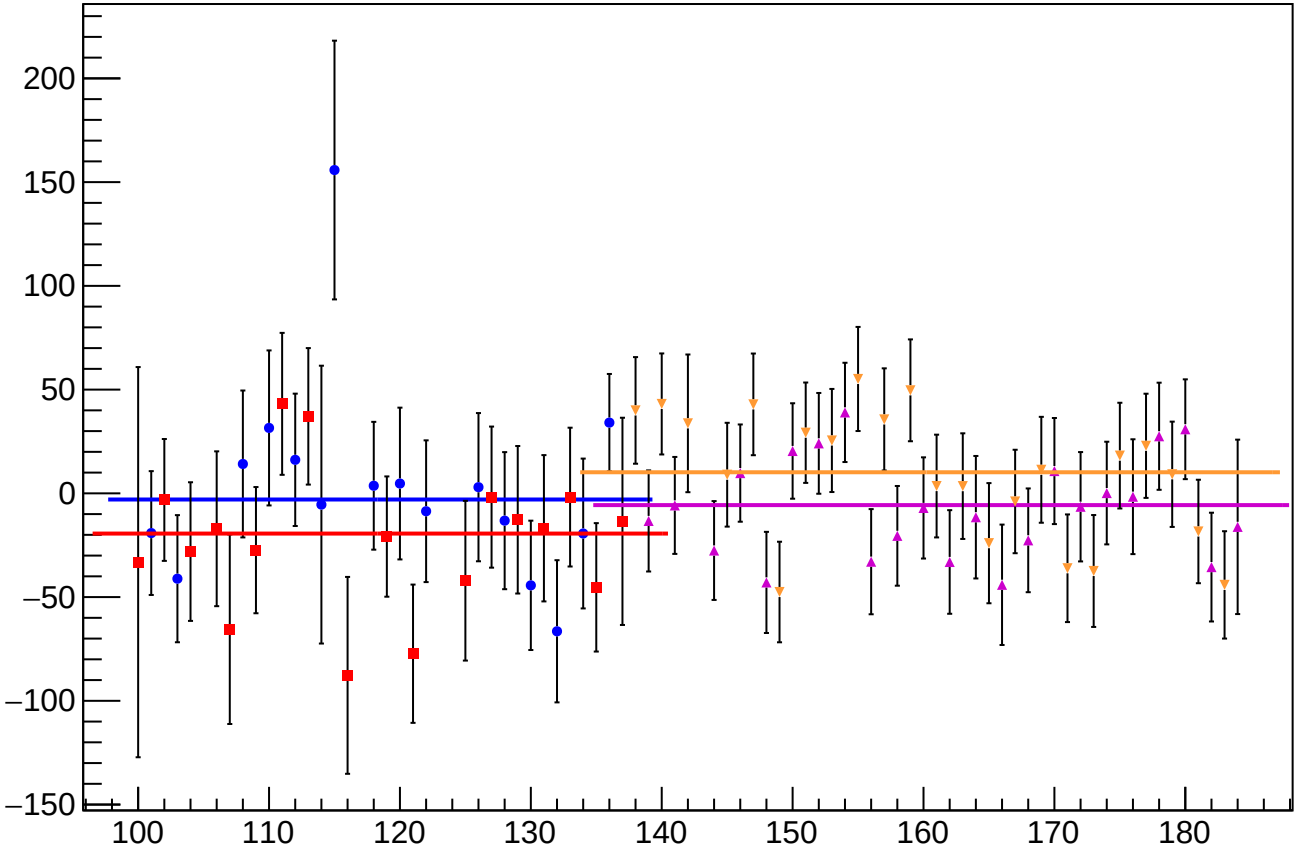
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 197.115+/-0.029 χ^2/NDF: 2690348.2/38

All: 186.758+/-0.019 χ^2/NDF: 6115608.6/79

- sign 178.123+/-0.026 χ^2/NDF: 3187227.0/40

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

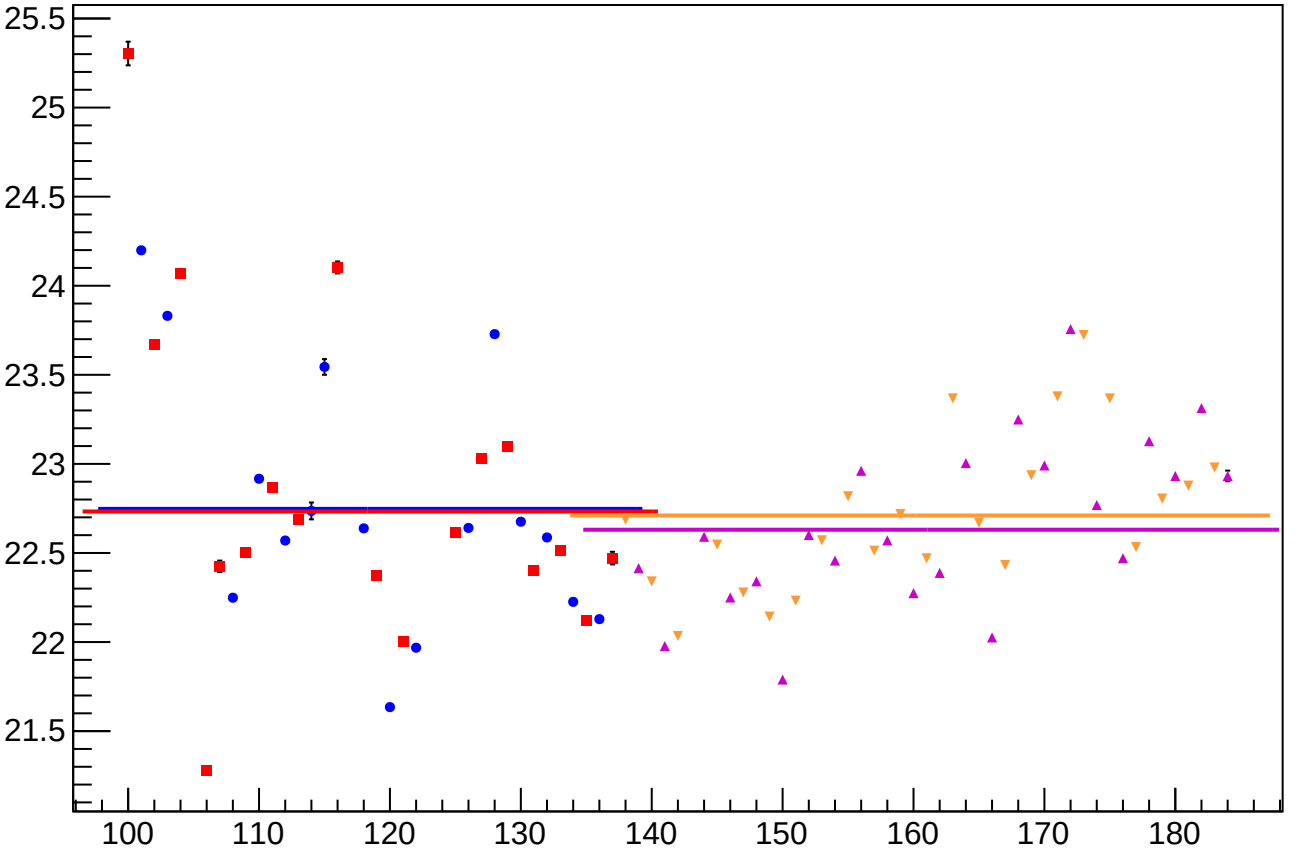
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 6.448+/-4.497 χ^2/NDF: 52.9/38

All: -1.608+/-3.171 χ^2/NDF: 96.5/79

- sign -9.572+/-4.471 χ^2/NDF: 37.2/40

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

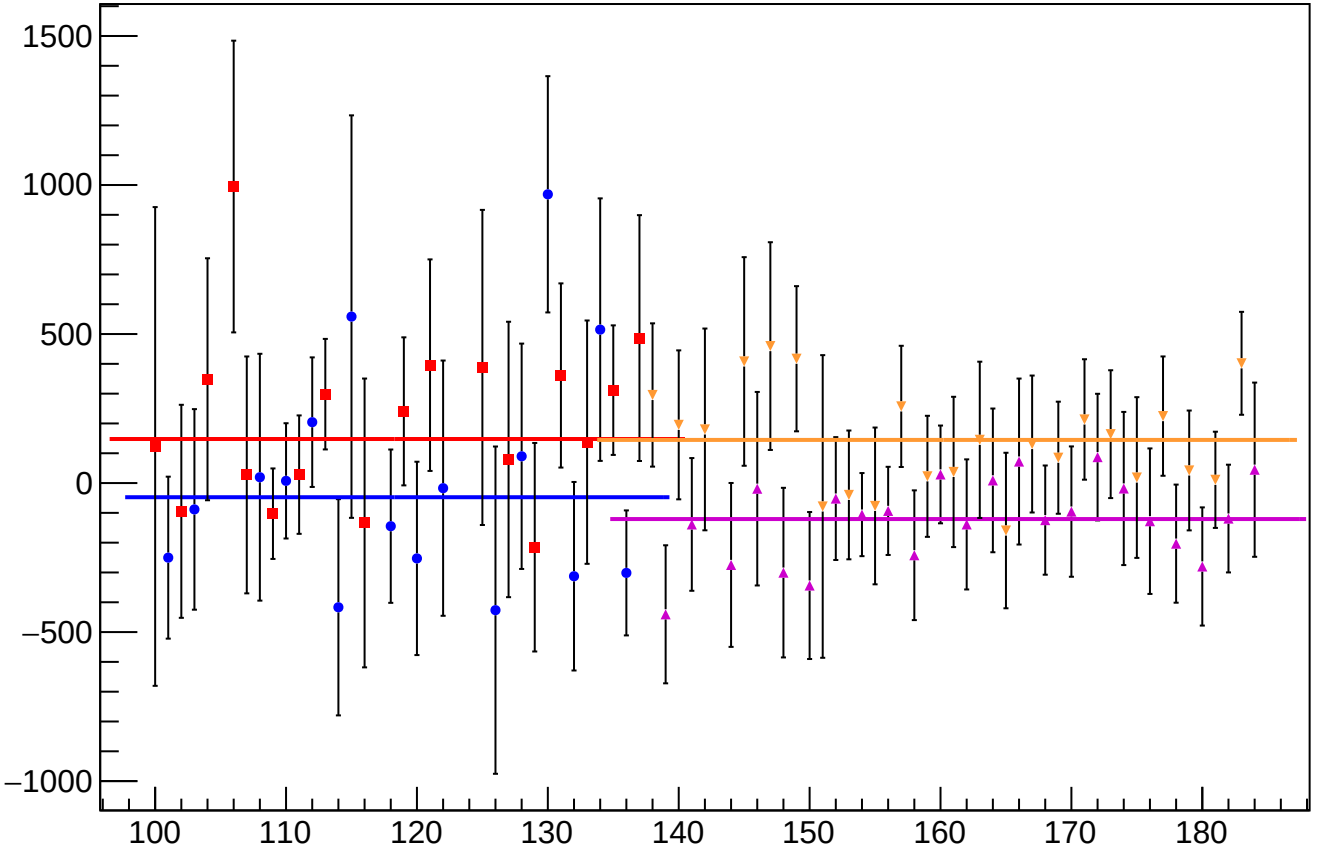
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.721+/-0.003 χ^2/NDF: 26606.4/38

All: 22.690+/-0.002 χ^2/NDF: 56787.7/79

- sign 22.660+/-0.003 χ^2/NDF: 29994.6/40

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

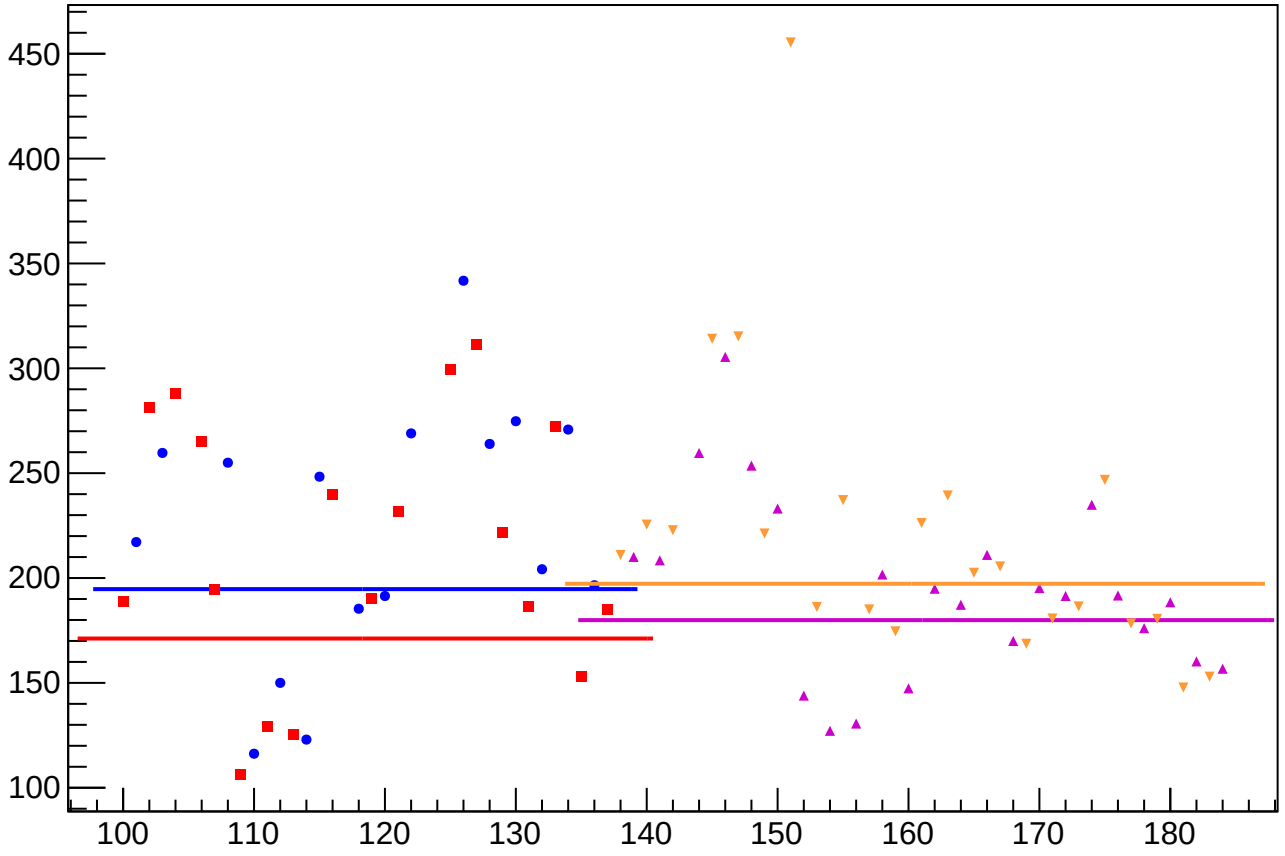
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 90.803+/-40.559 χ^2/NDF: 30.6/38

All: 17.893+/-27.334 χ^2/NDF: 66.8/79

- sign -42.774+/-36.998 χ^2/NDF: 30.3/40

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

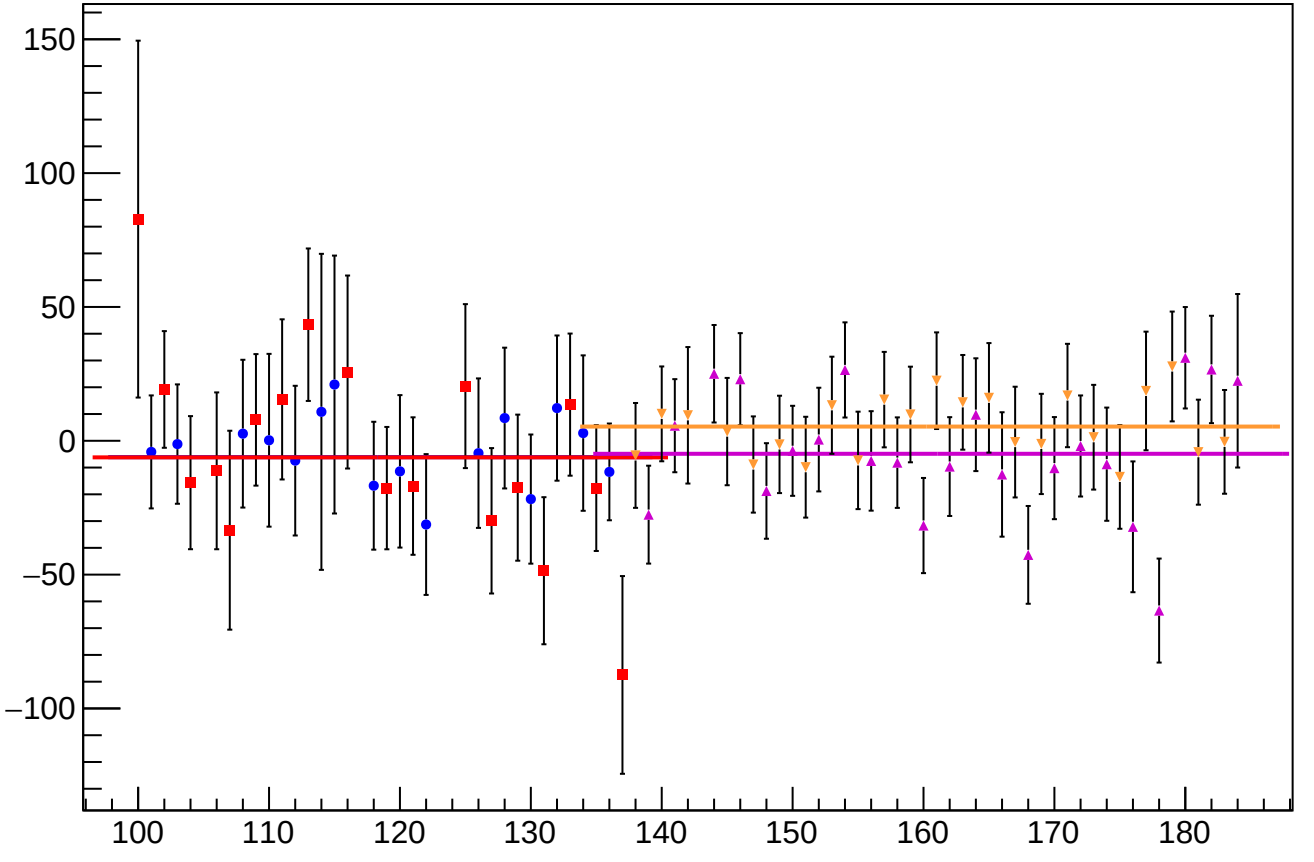
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 196.548+/-0.029 χ^2/NDF: 2733959.3/38

All: 186.084+/-0.019 χ^2/NDF: 6237049.6/79

- sign 177.378+/-0.026 χ^2/NDF: 3259220.3/40

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

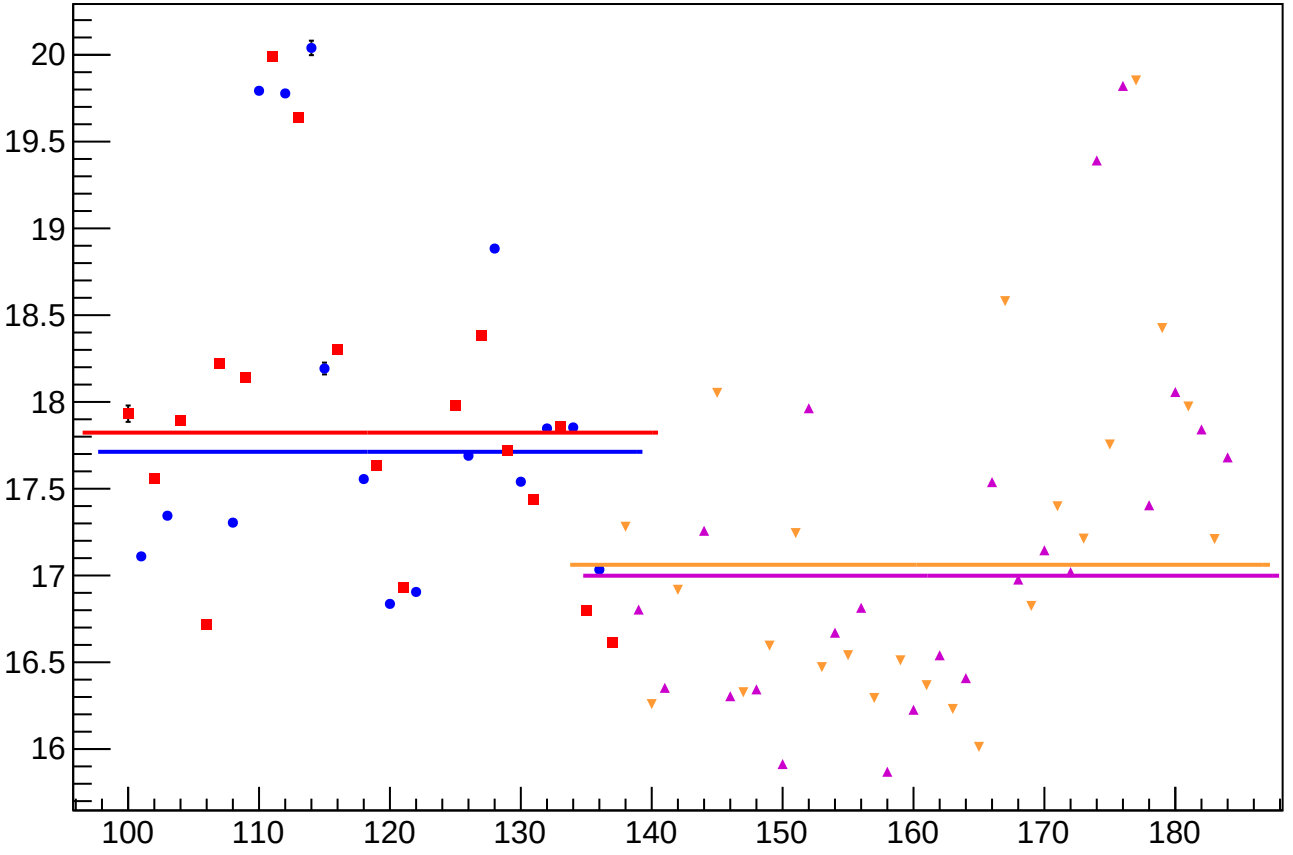
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 2.239+/-3.418 χ^2/NDF: 13.1/38

All: -1.503+/-2.413 χ^2/NDF: 69.6/79

- sign -5.216+/-3.406 χ^2/NDF: 54.2/40

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

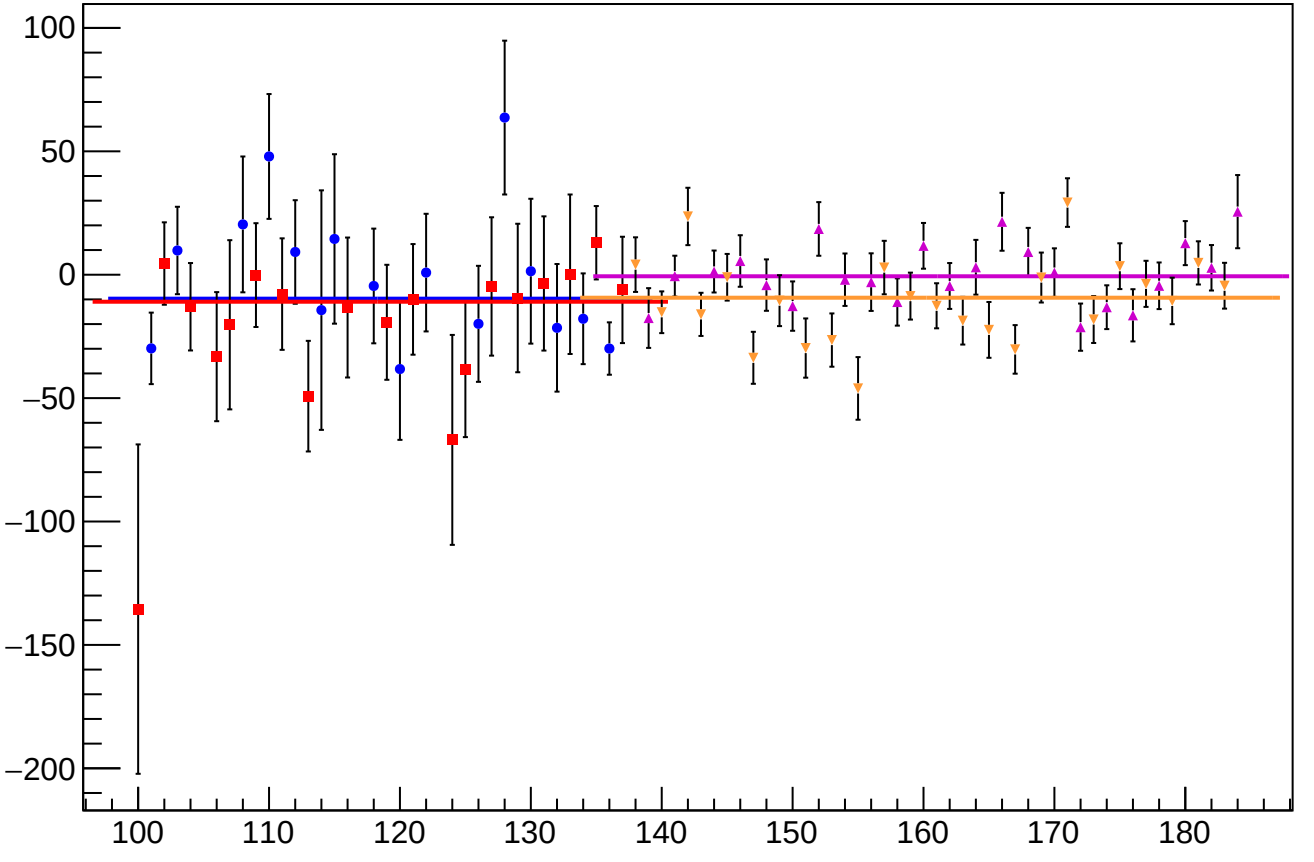
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.237+/-0.002 χ^2/NDF: 145772.9/38

All: 17.228+/-0.002 χ^2/NDF: 305308.4/79

\- sign 17.220+/-0.002 χ^2/NDF: 159510.1/40

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

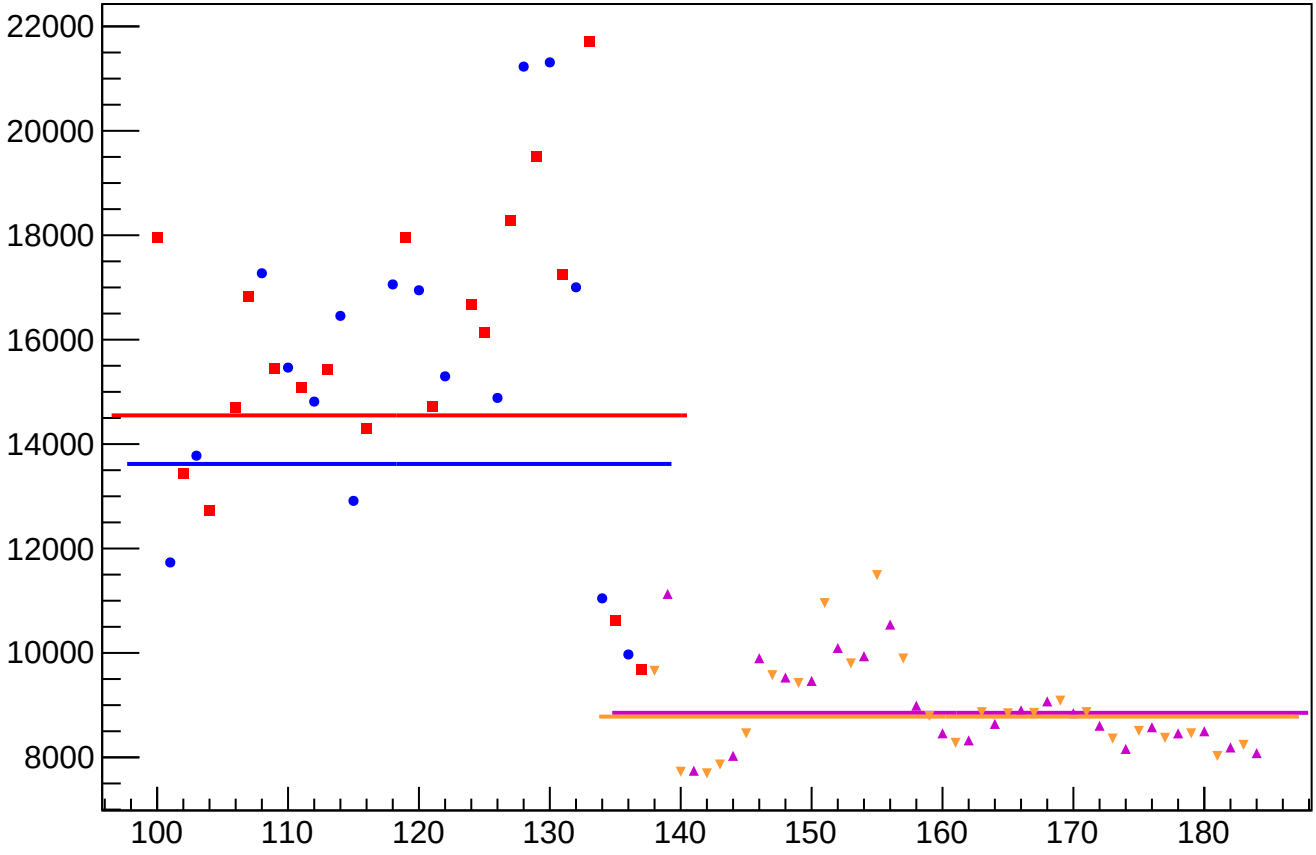
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.367+/-1.886 χ^2/NDF: 82.7/39

All: -5.763+/-1.353 χ^2/NDF: 136.9/81

- sign -1.944+/-1.942 χ^2/NDF: 46.7/41

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

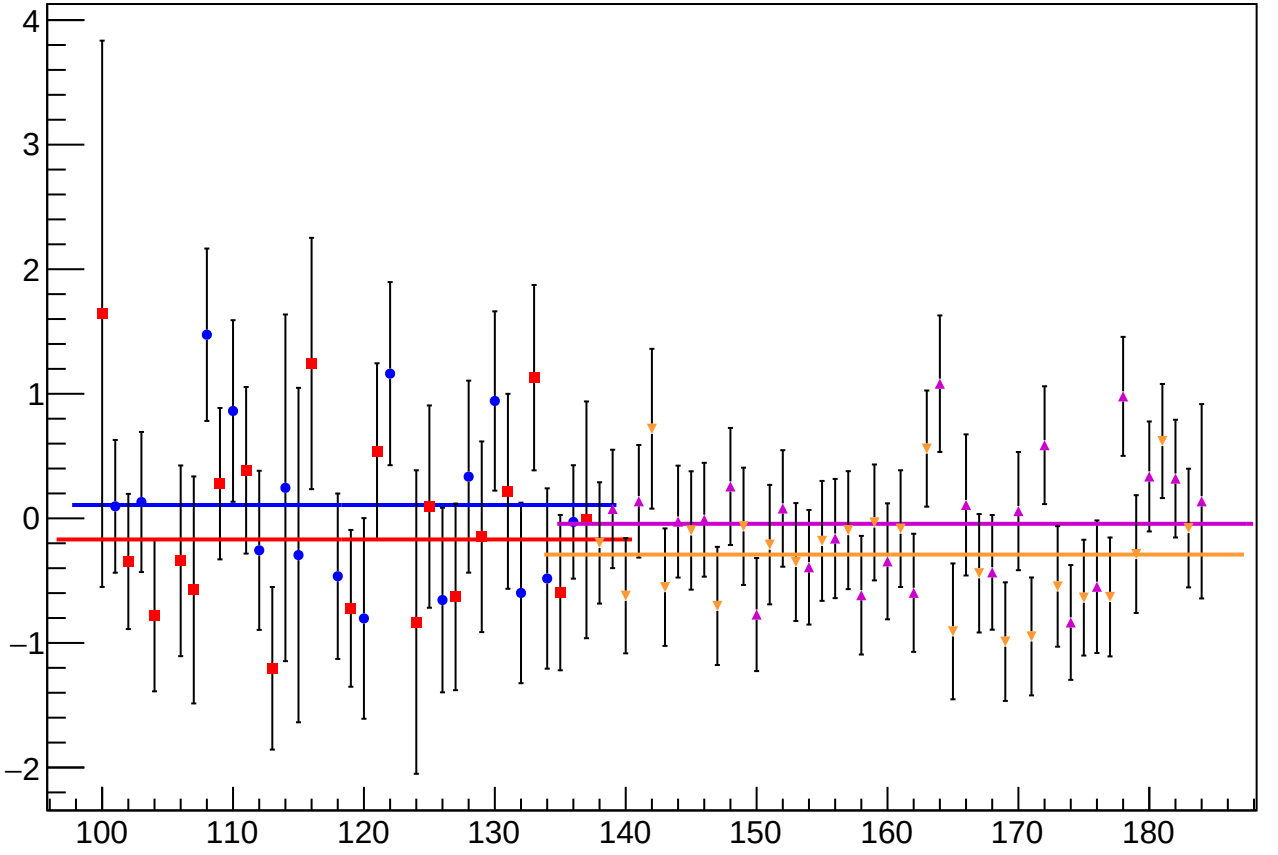
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9409.309+/-1.334 χ^2/NDF: 2578399.5/39

All: 9492.109+/-0.957 χ^2/NDF: 5358168.4/81

- sign 9579.877+/-1.373 χ^2/NDF: 2771830.3/41

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

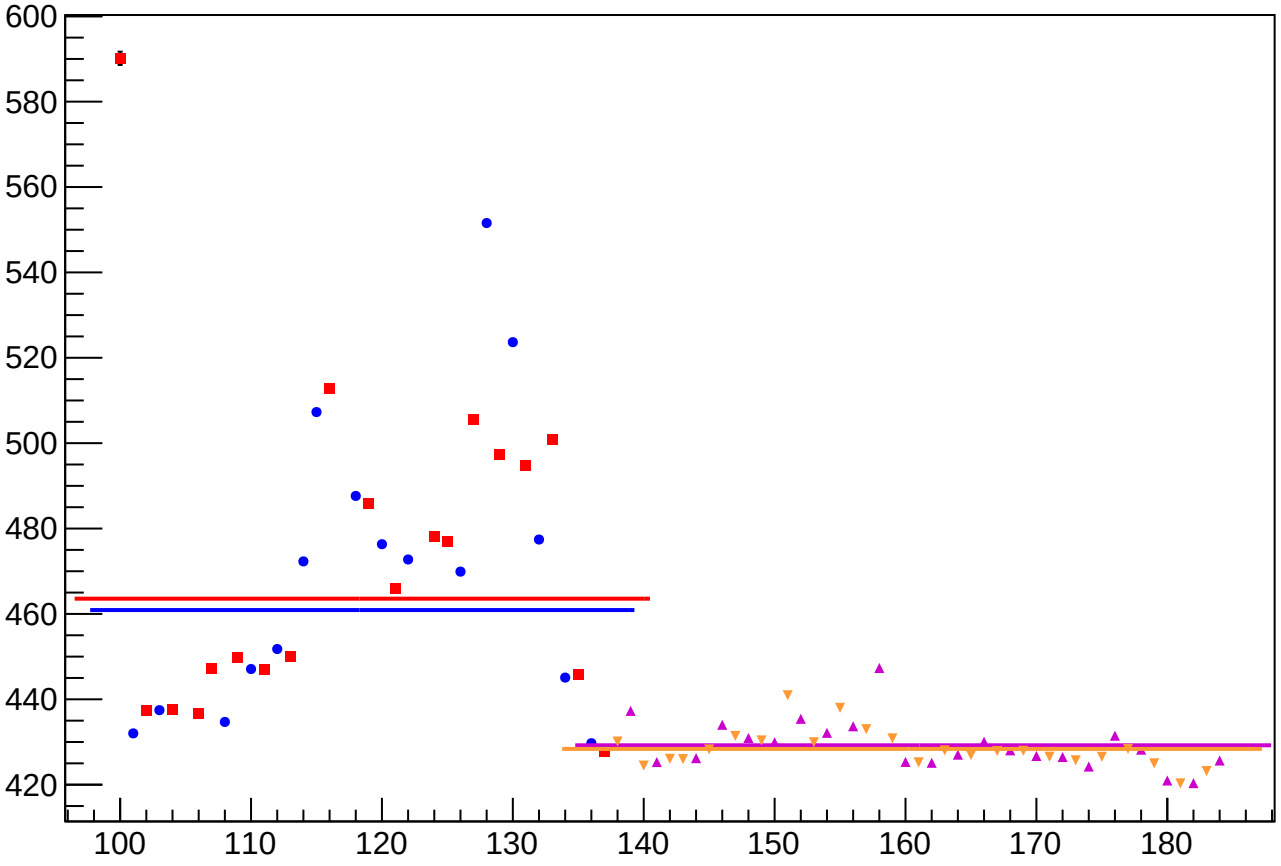
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.193+/-0.085 χ^2/NDF: 37.3/39

All: -0.135+/-0.061 χ^2/NDF: 76.5/81

- sign -0.076+/-0.086 χ^2/NDF: 38.3/41

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

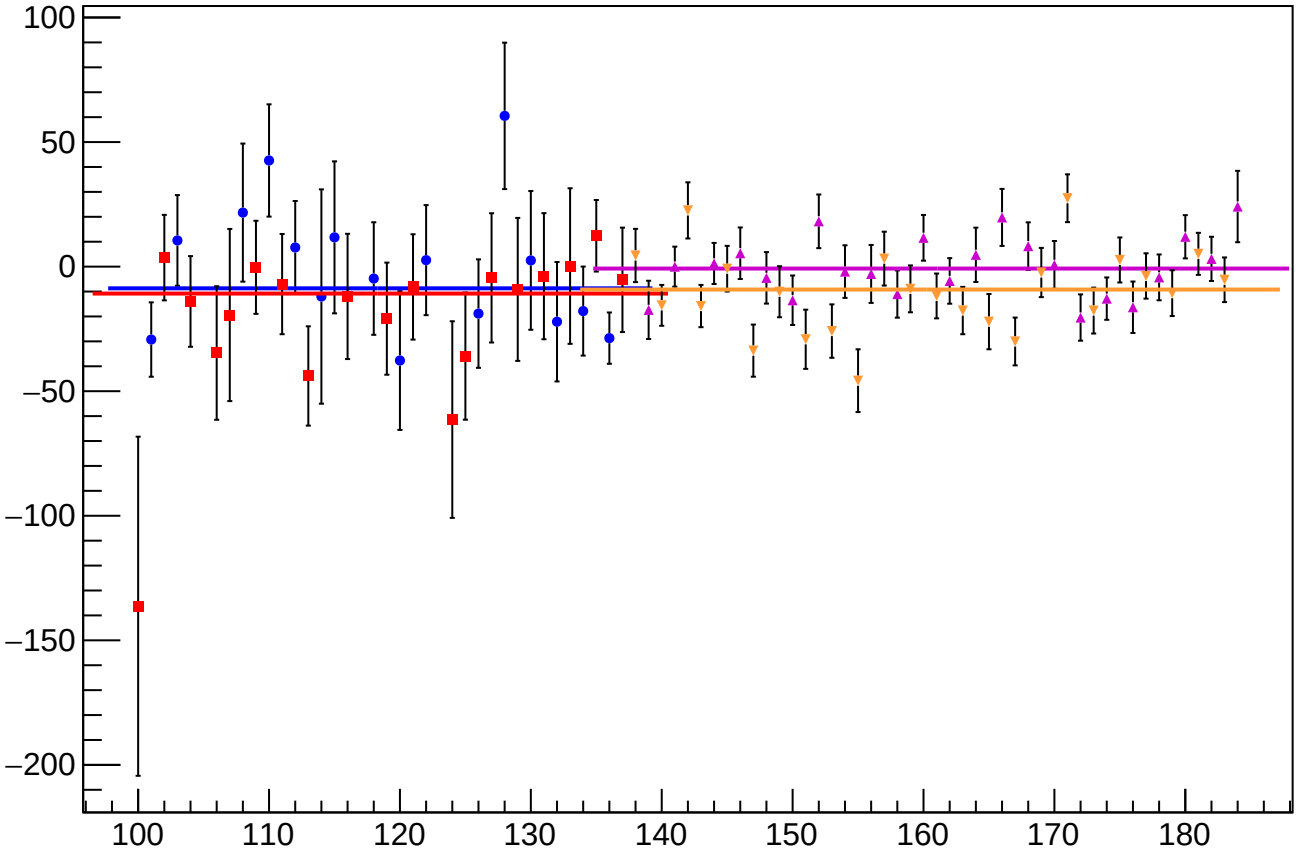
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 436.369+/-0.060 χ^2/NDF: 133060.5/39

All: 437.238+/-0.043 χ^2/NDF: 253282.6/81

- sign 438.131+/-0.061 χ^2/NDF: 119799.3/41

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

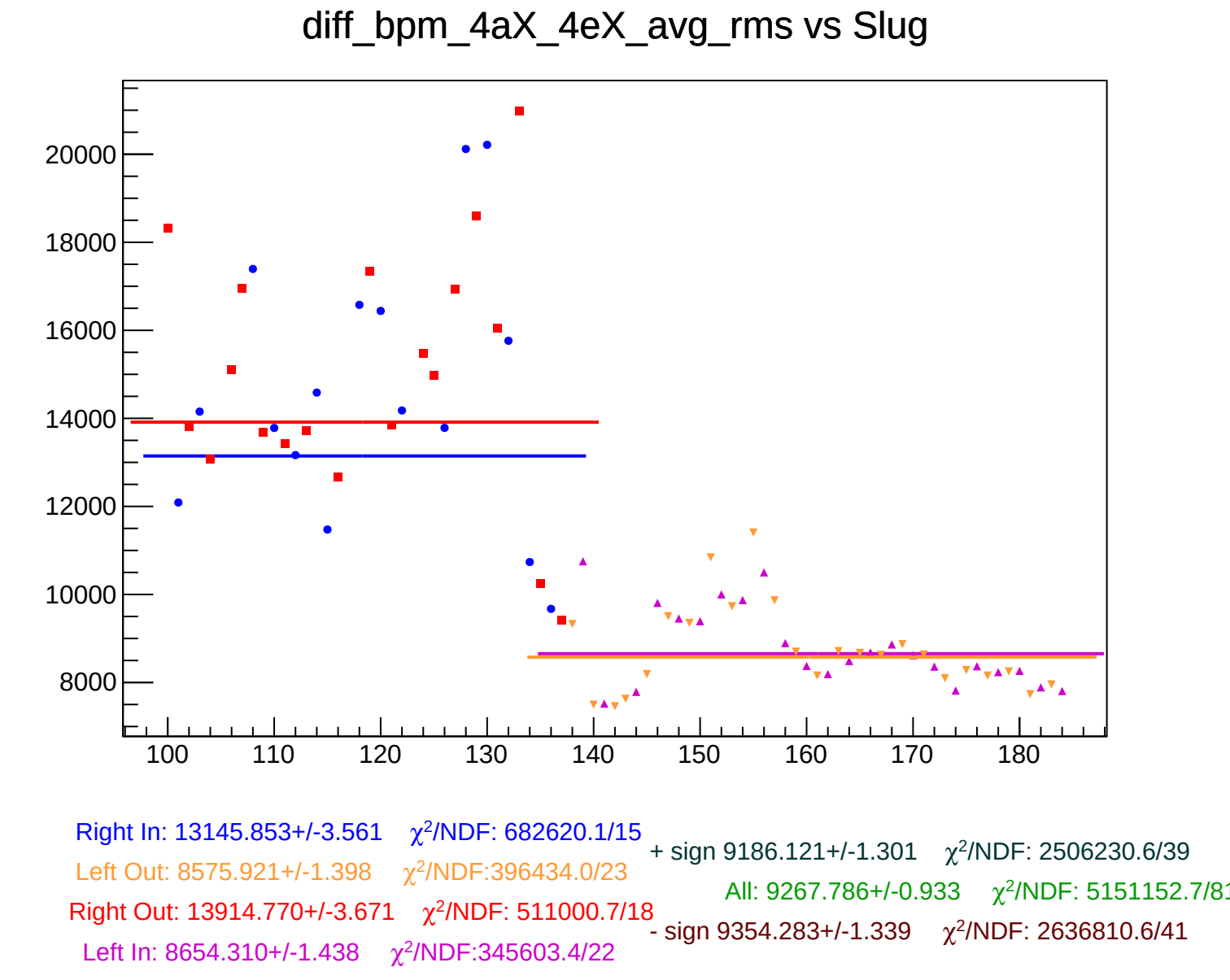
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

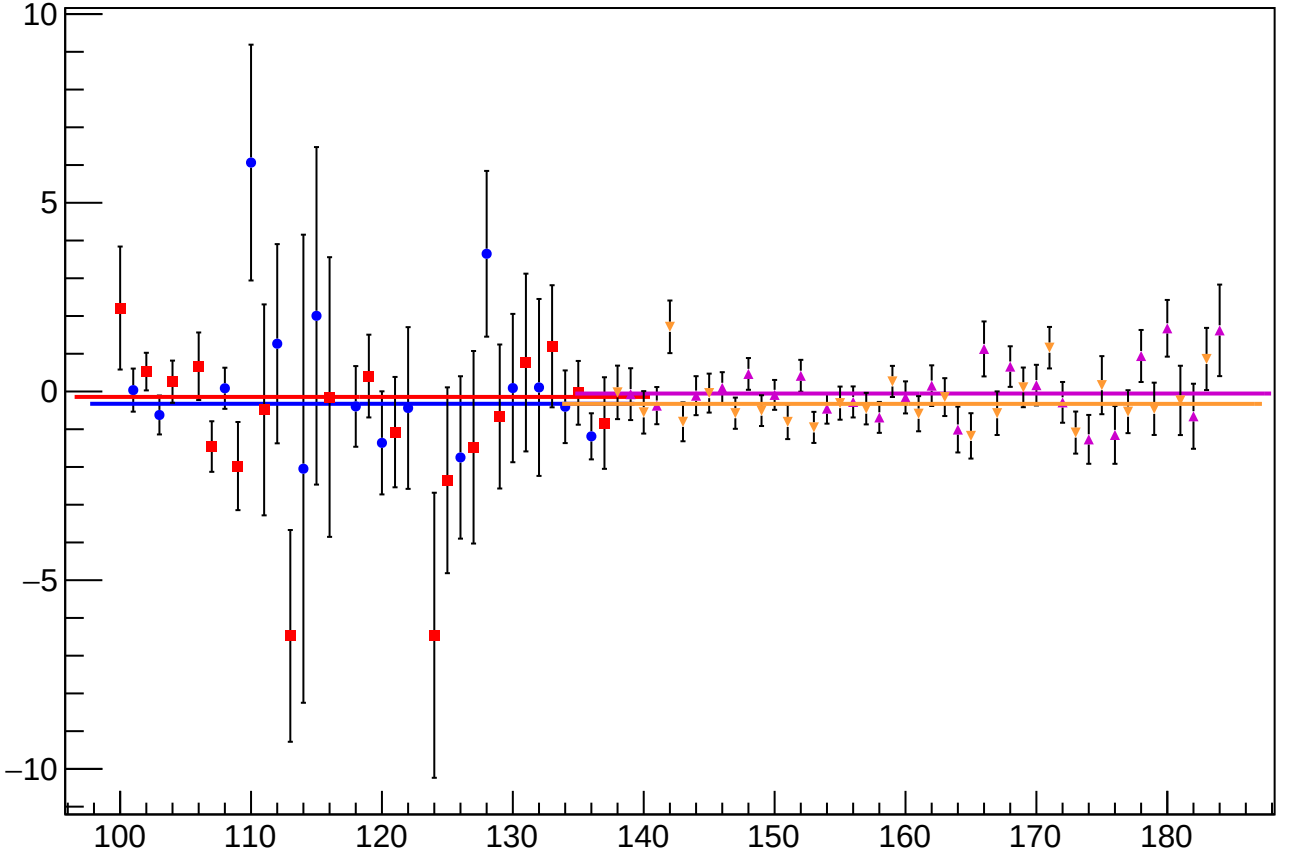
+ sign -9.135+/-1.840 χ^2/NDF: 82.4/39

All: -5.722+/-1.320 χ^2/NDF: 135.9/81

- sign -2.108+/-1.894 χ^2/NDF: 46.4/41


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: 8654.310+/-1.438 χ²/NDF:345603.4/22
+ sign 9186.121+/-1.301 χ²/NDF: 2506230.6/39
All: 9267.786+/-0.933 χ²/NDF: 5151152.7/81
- sign 9354.283+/-1.339 χ²/NDF: 2636810.6/41

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

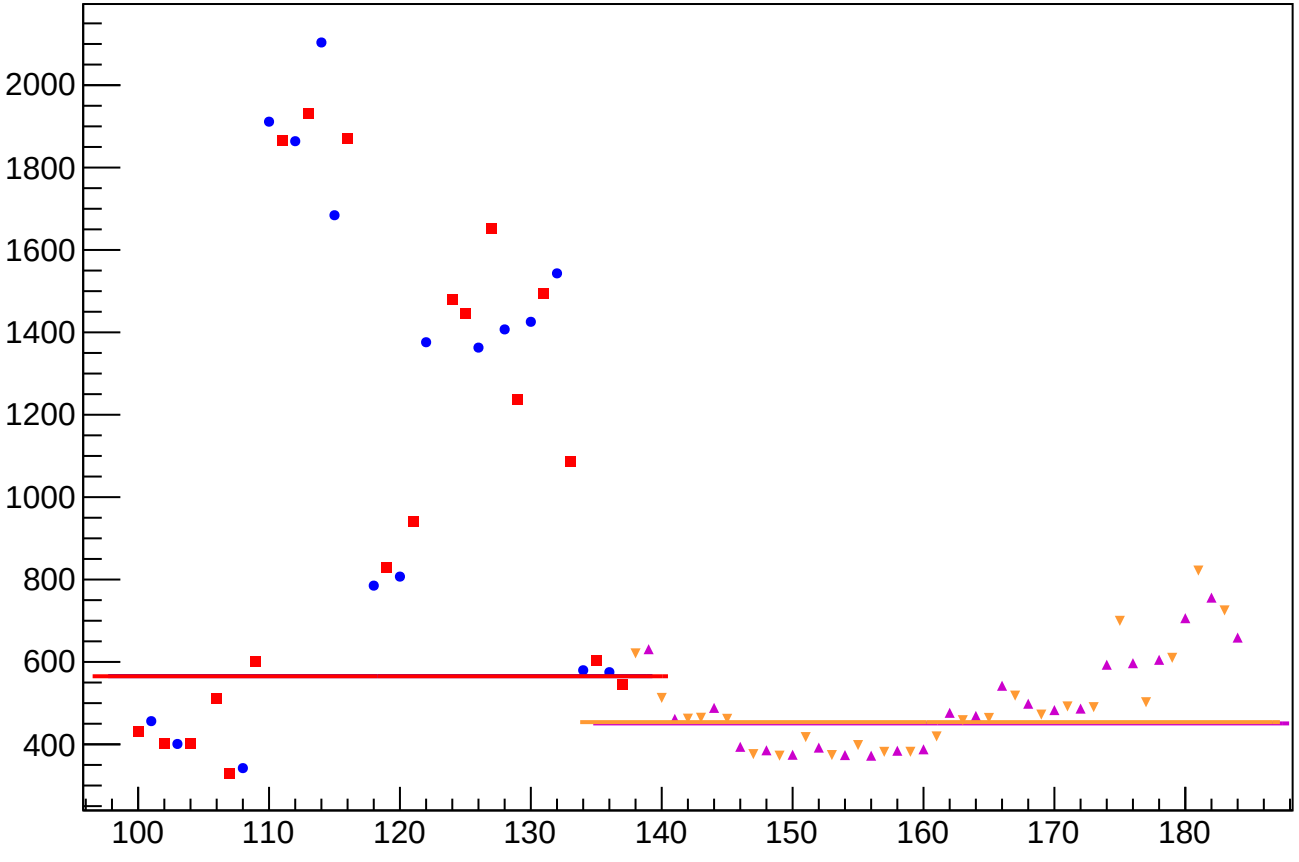
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.328+/-0.098 χ^2/NDF: 43.9/39

All: -0.200+/-0.069 χ^2/NDF: 99.8/81

- sign -0.069+/-0.099 χ^2/NDF: 52.4/41

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

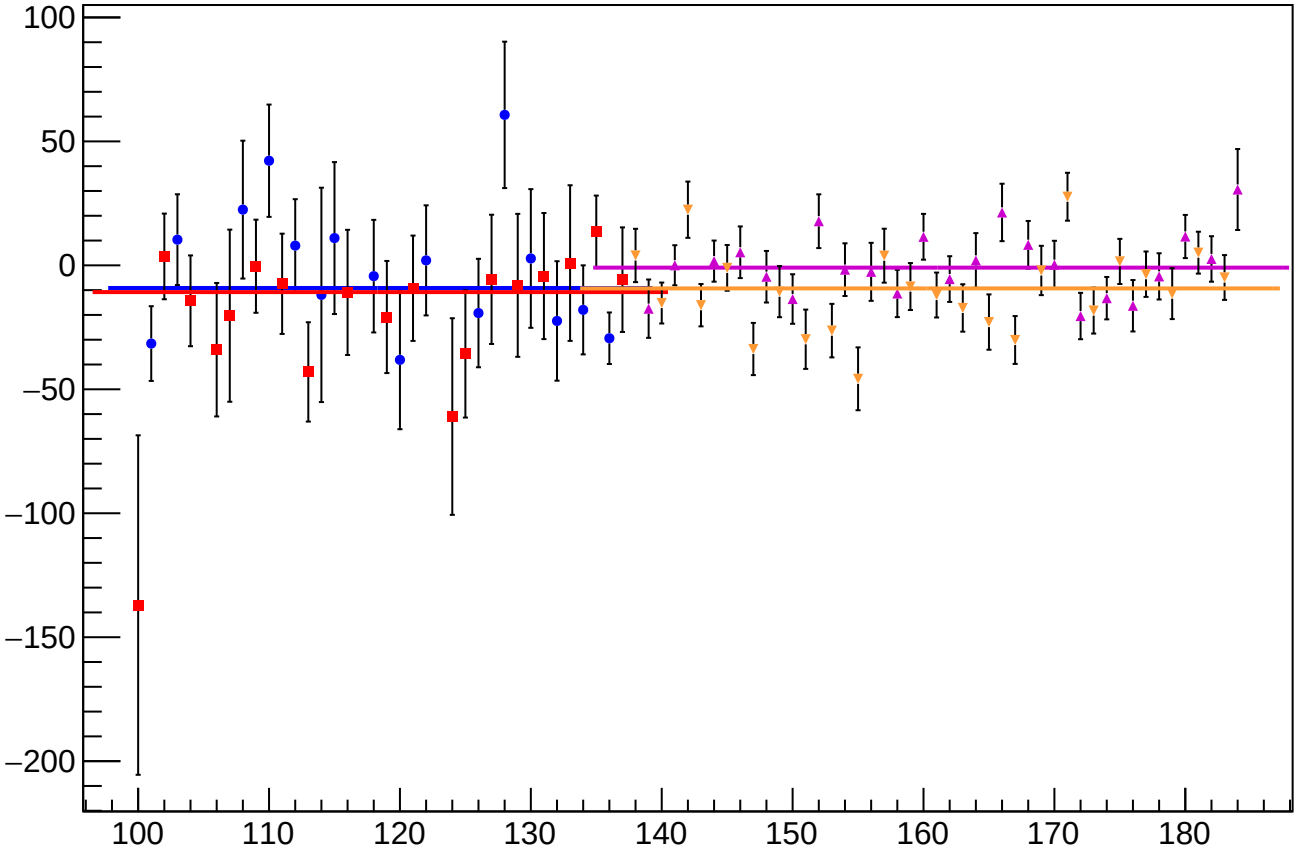
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 471.757+/-0.069 χ^2/NDF: 5242381.8/39

All: 470.648+/-0.049 χ^2/NDF: 10652926.4/81

- sign 469.510+/-0.070 χ^2/NDF: 5410021.6/41

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -9.299+/-1.998 χ^2/NDF:59.9/23

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

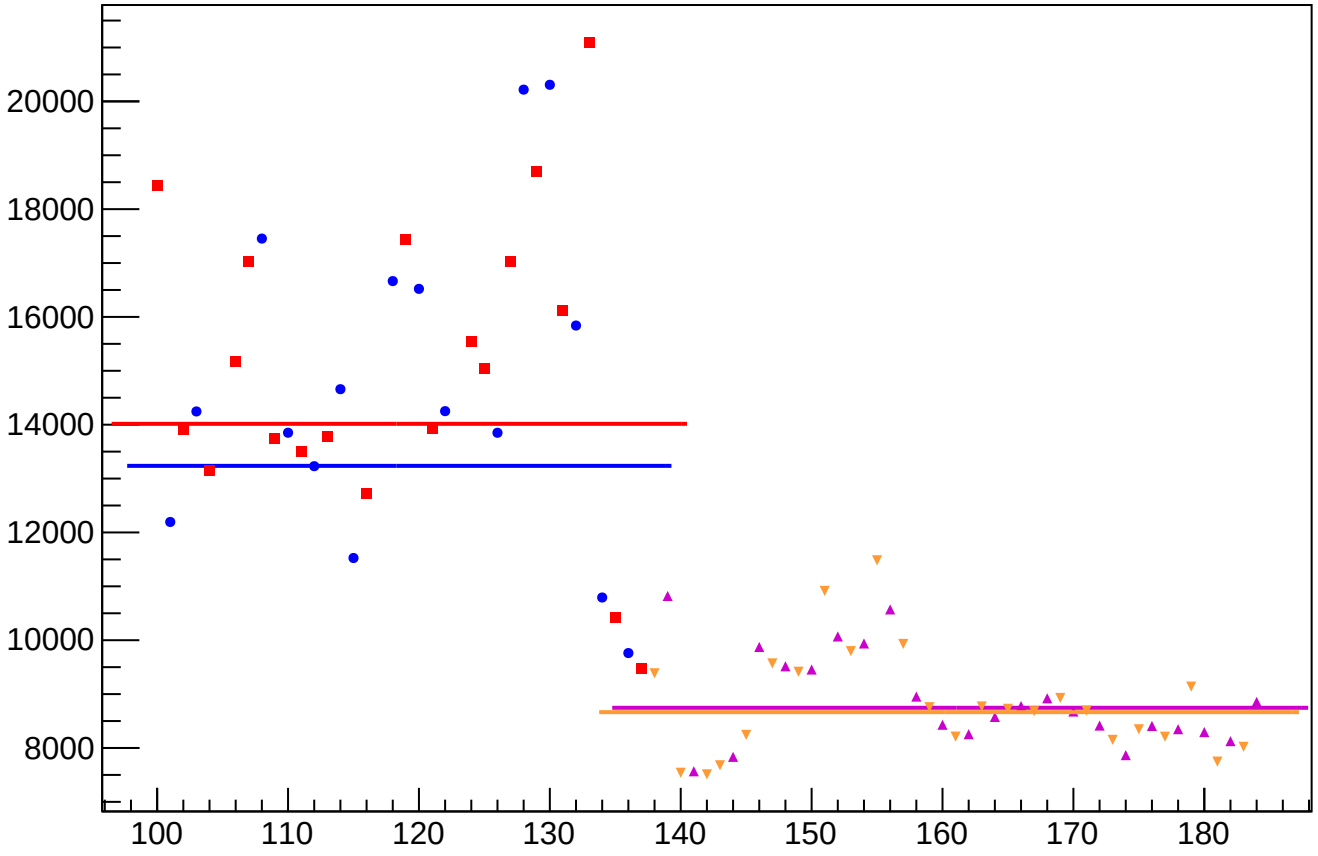
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.277+/-1.859 χ^2/NDF: 82.7/39

All: -5.862+/-1.333 χ^2/NDF: 136.2/81

- sign -2.246+/-1.913 χ^2/NDF: 46.6/41

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8664.943+/-1.413 χ^2/NDF:400202.2/23

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

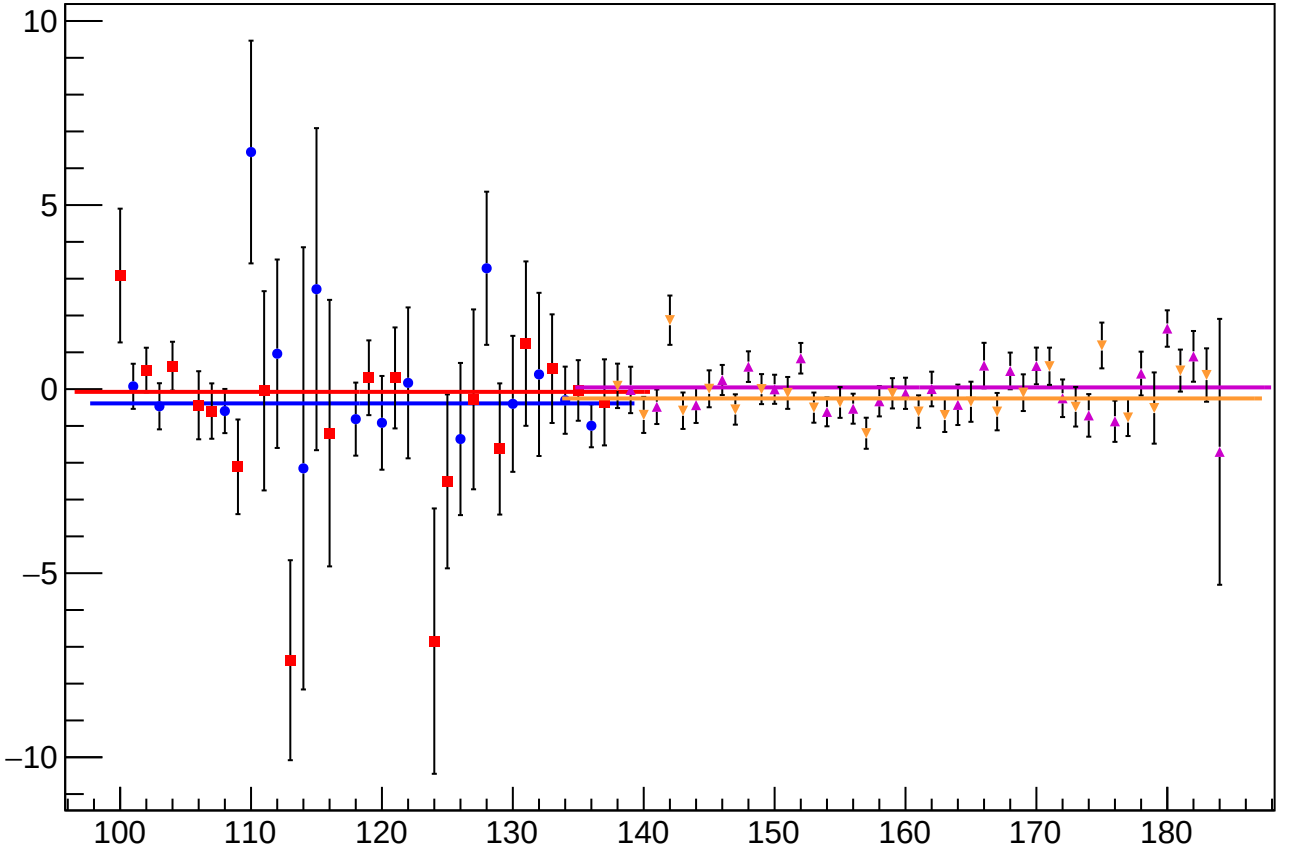
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9279.664+/-1.315 χ^2/NDF: 2481485.4/39

All: 9363.311+/-0.943 χ^2/NDF: 5080016.9/81

- sign 9451.888+/-1.353 χ^2/NDF: 2590194.4/41

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

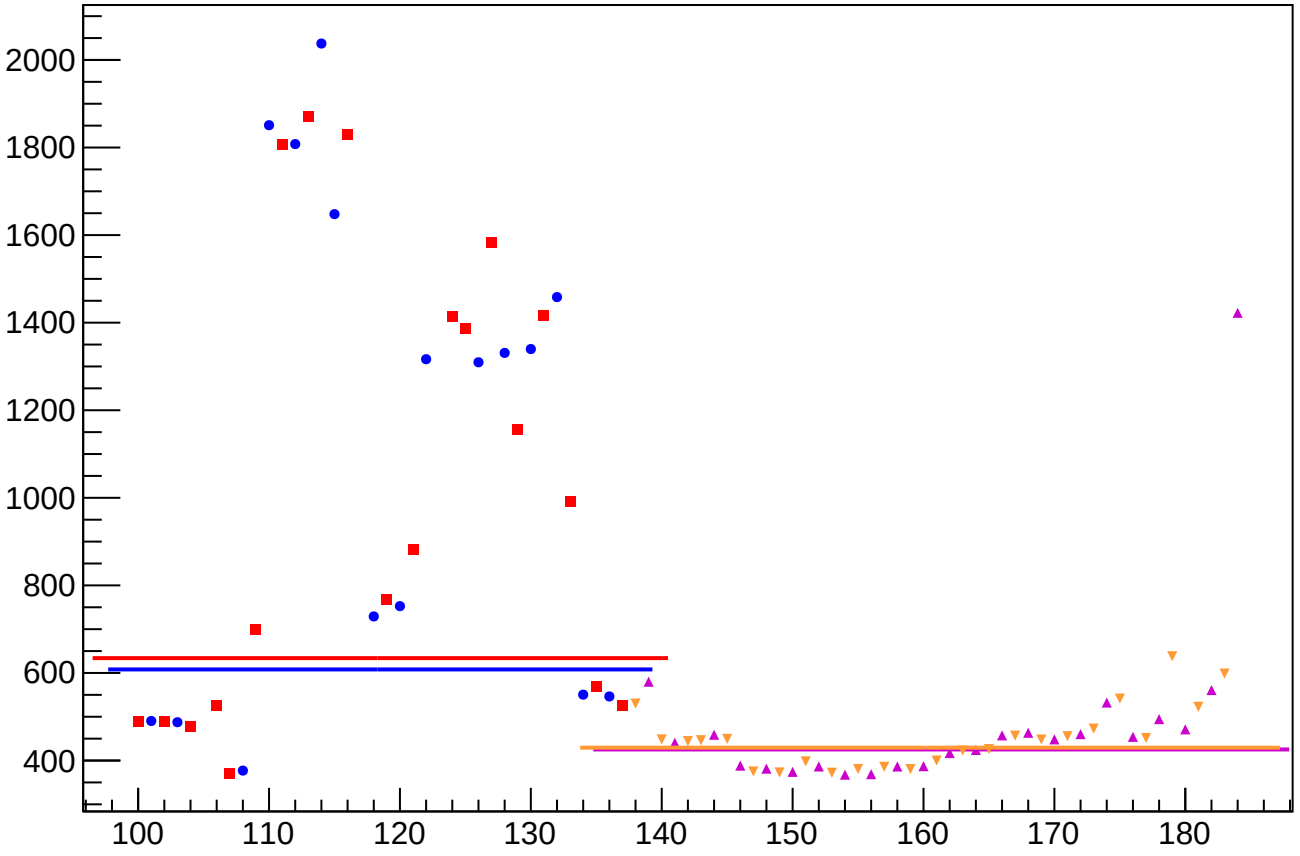
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.271+/-0.094 χ^2/NDF: 44.9/39

All: -0.122+/-0.067 χ^2/NDF: 106.9/81

- sign 0.031+/-0.095 χ^2/NDF: 56.9/41

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

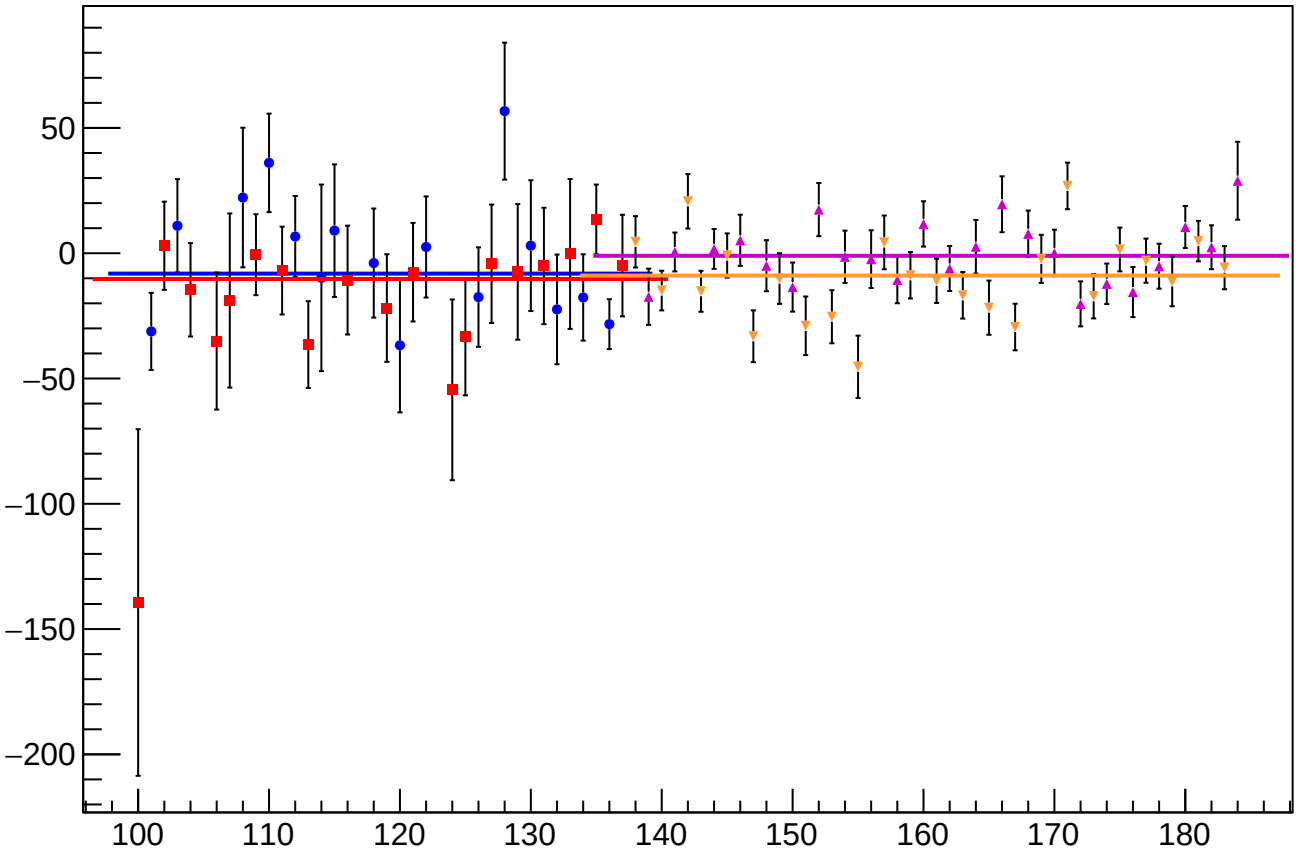
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 453.402+/-0.066 χ^2/NDF: 4323516.2/39

All: 452.768+/-0.047 χ^2/NDF: 8912716.7/81

- sign 452.119+/-0.067 χ^2/NDF: 4589015.1/41



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

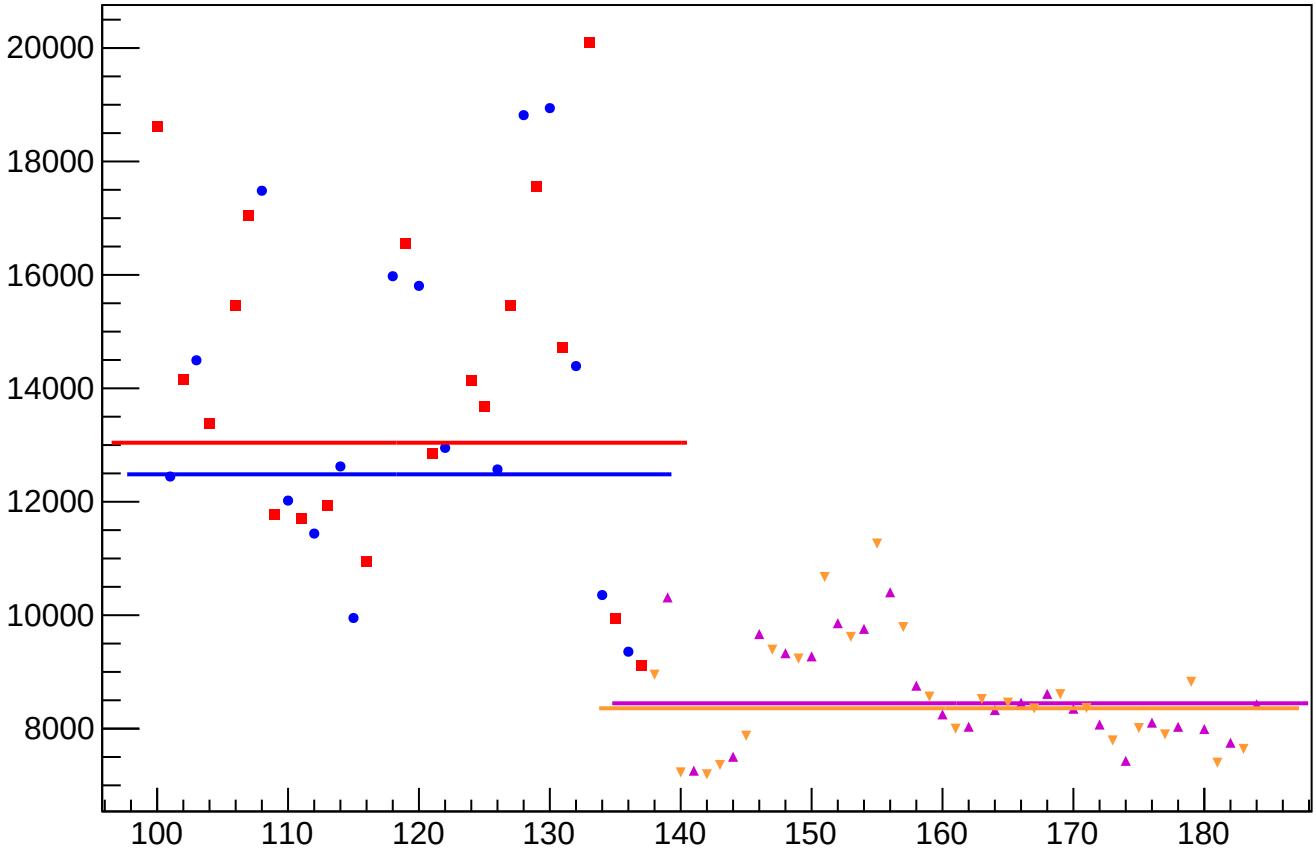
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.803+/-1.789 χ^2/NDF: 83.4/39

All: -5.665+/-1.283 χ^2/NDF: 136.3/81

- sign -2.347+/-1.840 χ^2/NDF: 46.6/41

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8358.985+/-1.364 χ^2/NDF:462384.7/23

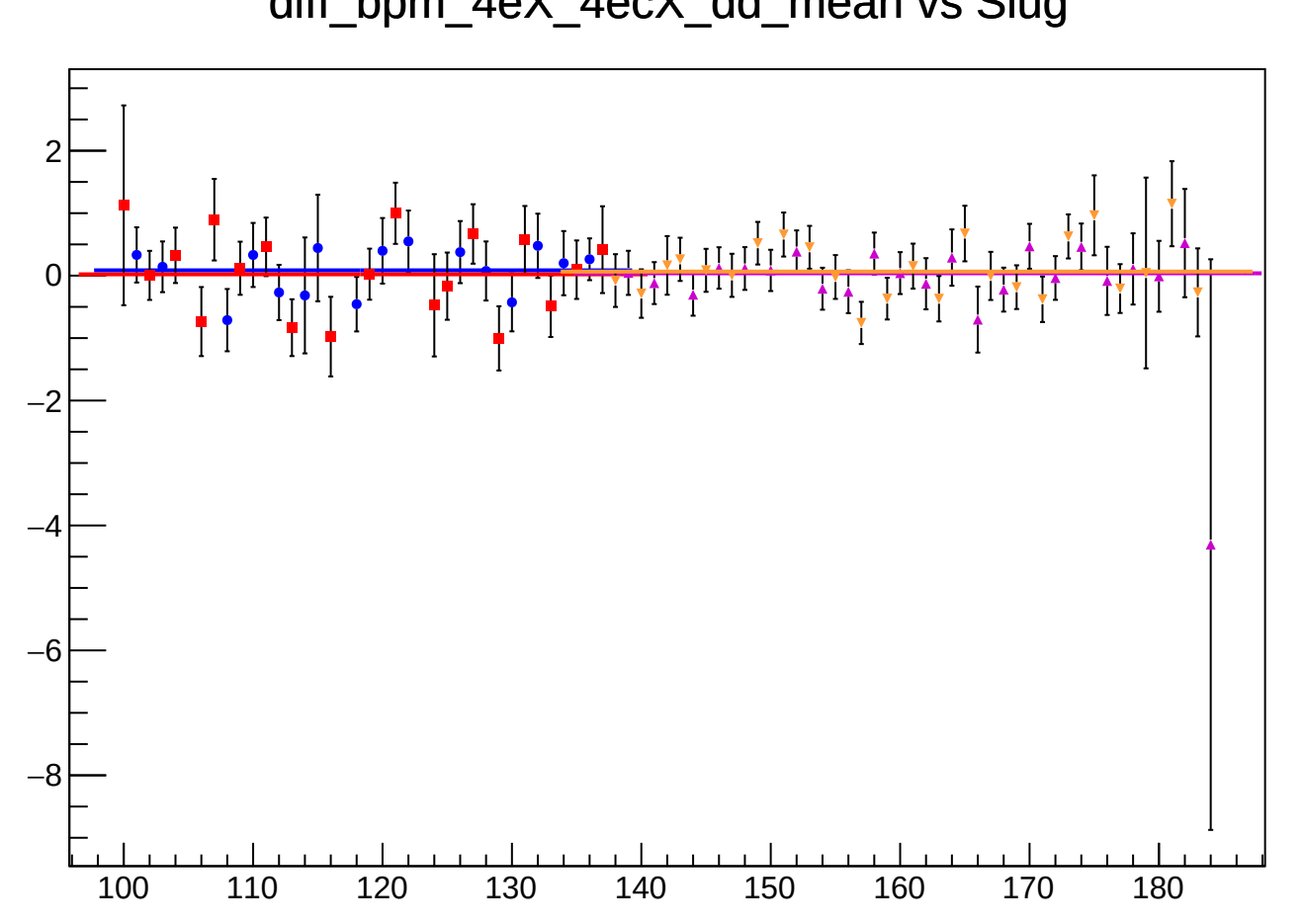
Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 8937.072+/-1.265 χ^2/NDF: 2415117.0/39

All: 9016.947+/-0.907 χ^2/NDF: 4874071.7/81

- sign 9101.401+/-1.301 χ^2/NDF: 2450753.2/41



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

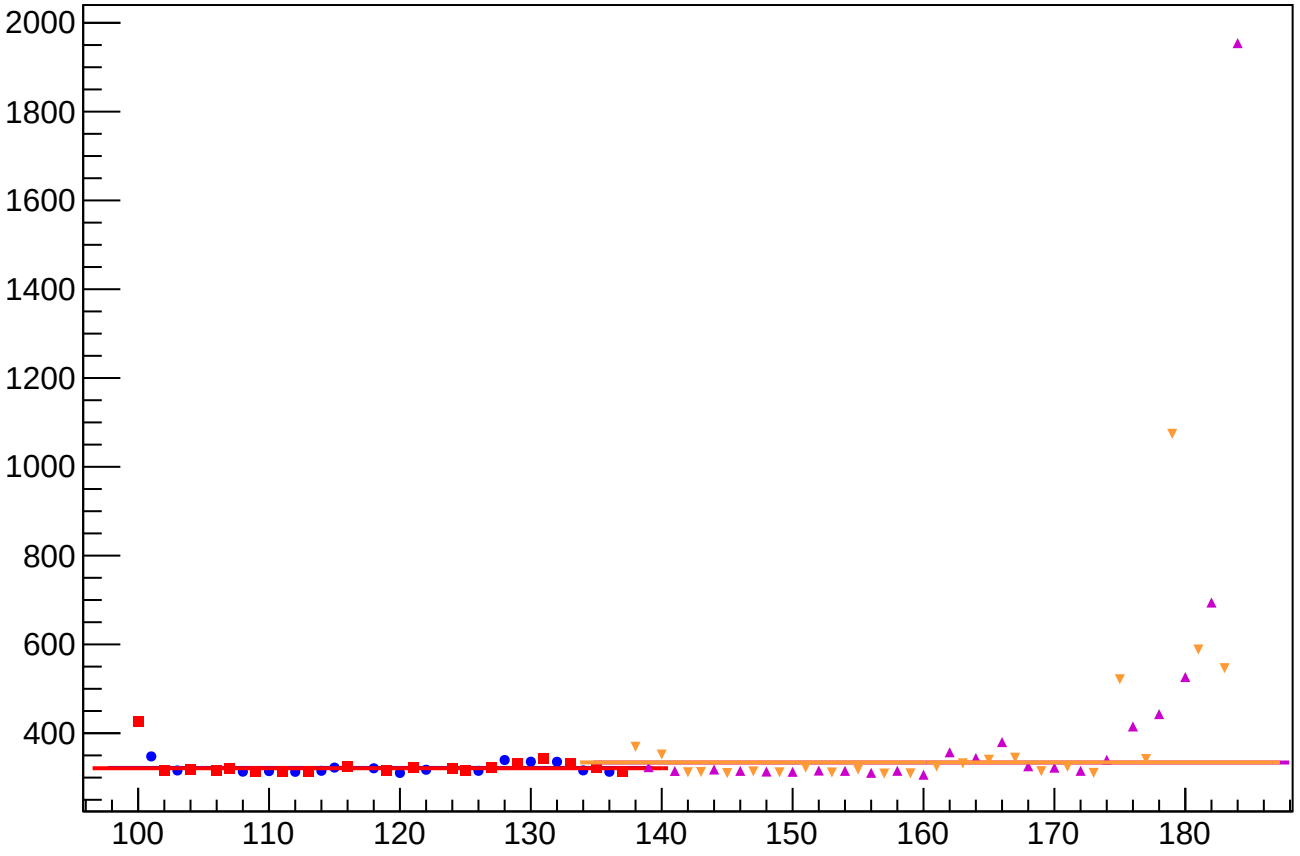
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.071+/-0.066 χ^2/NDF: 37.4/39

All: 0.052+/-0.047 χ^2/NDF: 73.6/81

- sign 0.032+/-0.067 χ^2/NDF: 36.0/41

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

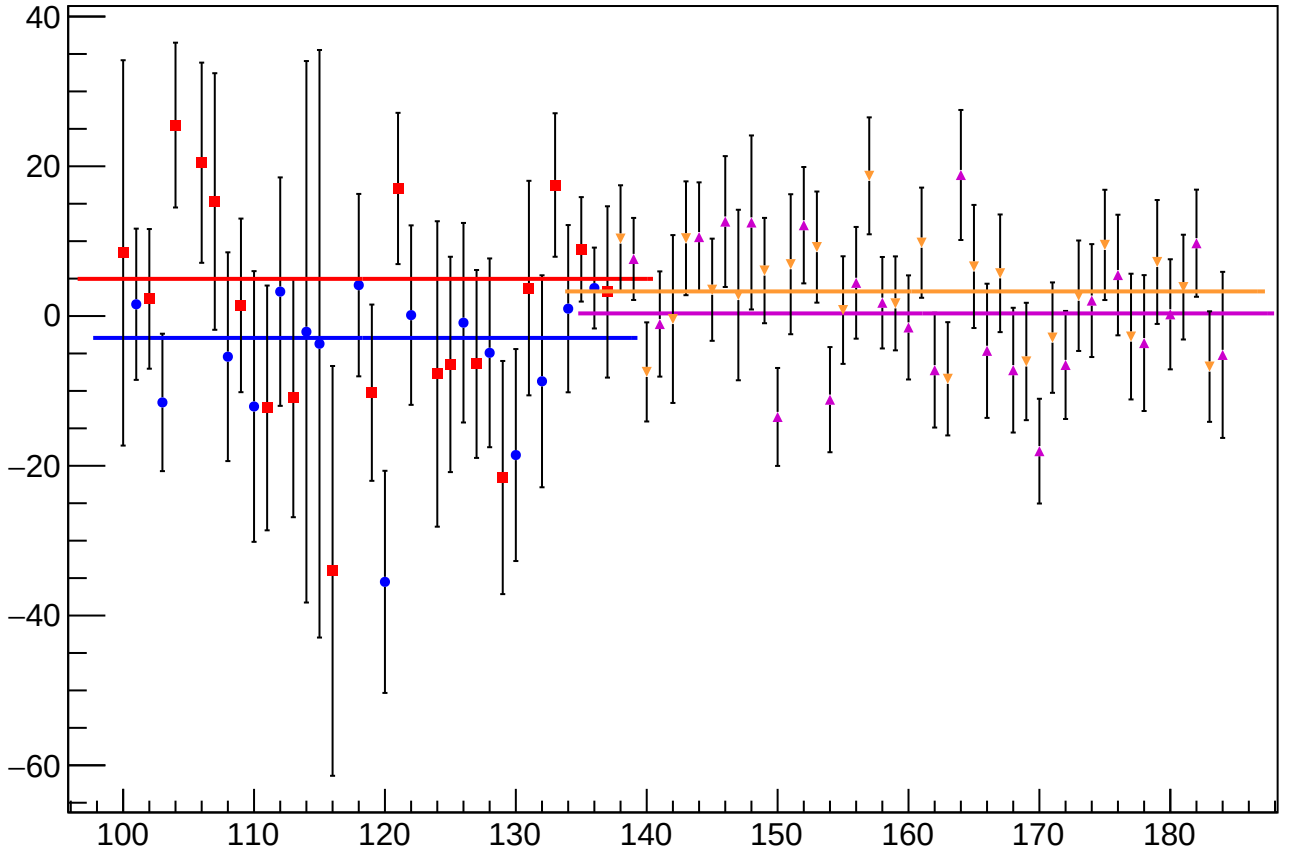
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 330.387+/-0.047 χ^2/NDF: 1247210.9/39

All: 330.111+/-0.033 χ^2/NDF: 2331163.0/81

- sign 329.834+/-0.047 χ^2/NDF: 1083883.1/41

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

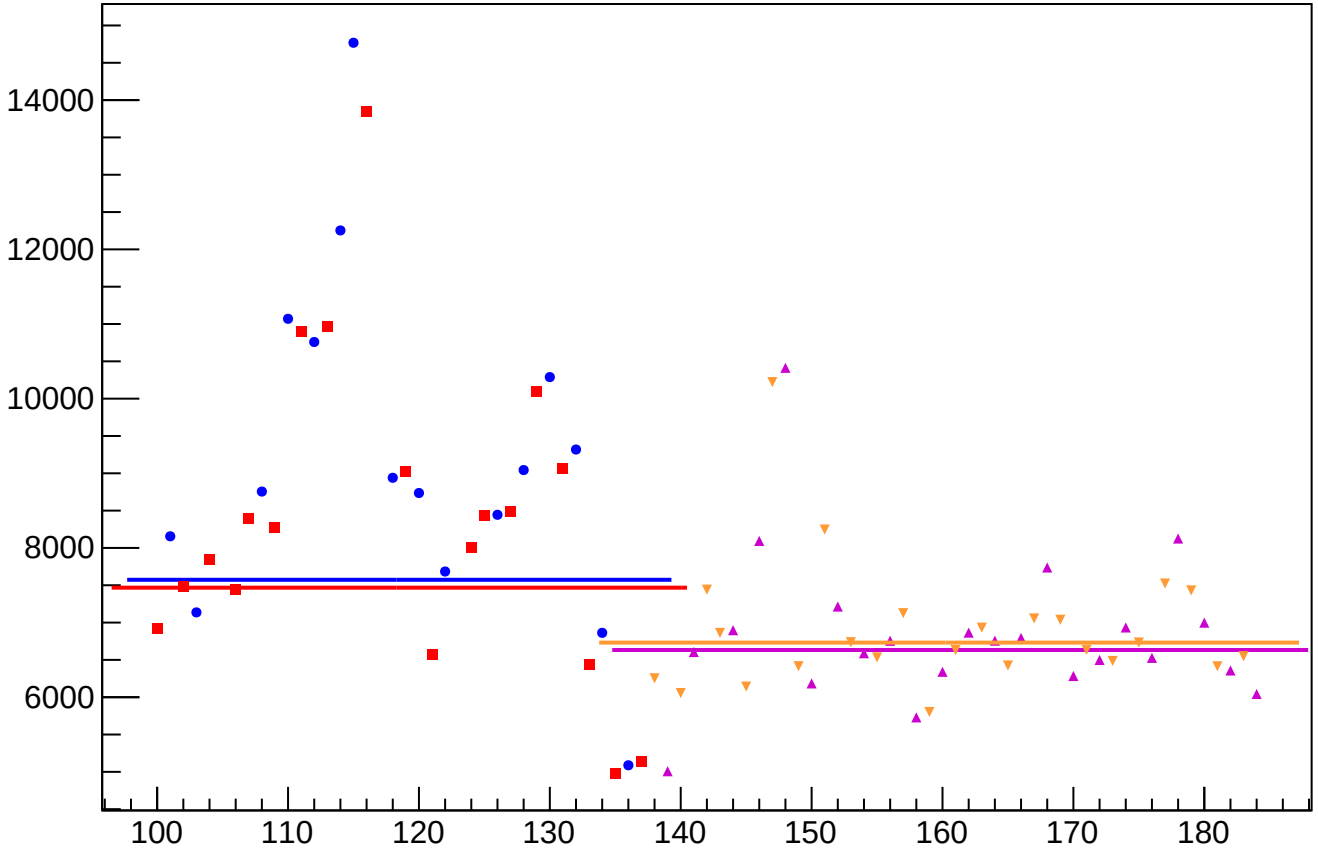
Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.911+/-1.371 χ^2/NDF: 31.9/39

All: 1.675+/-0.969 χ^2/NDF: 87.2/81

- sign 1.439+/-1.371 χ^2/NDF: 55.2/41

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6731.745+/-1.099 χ^2/NDF:399365.4/23

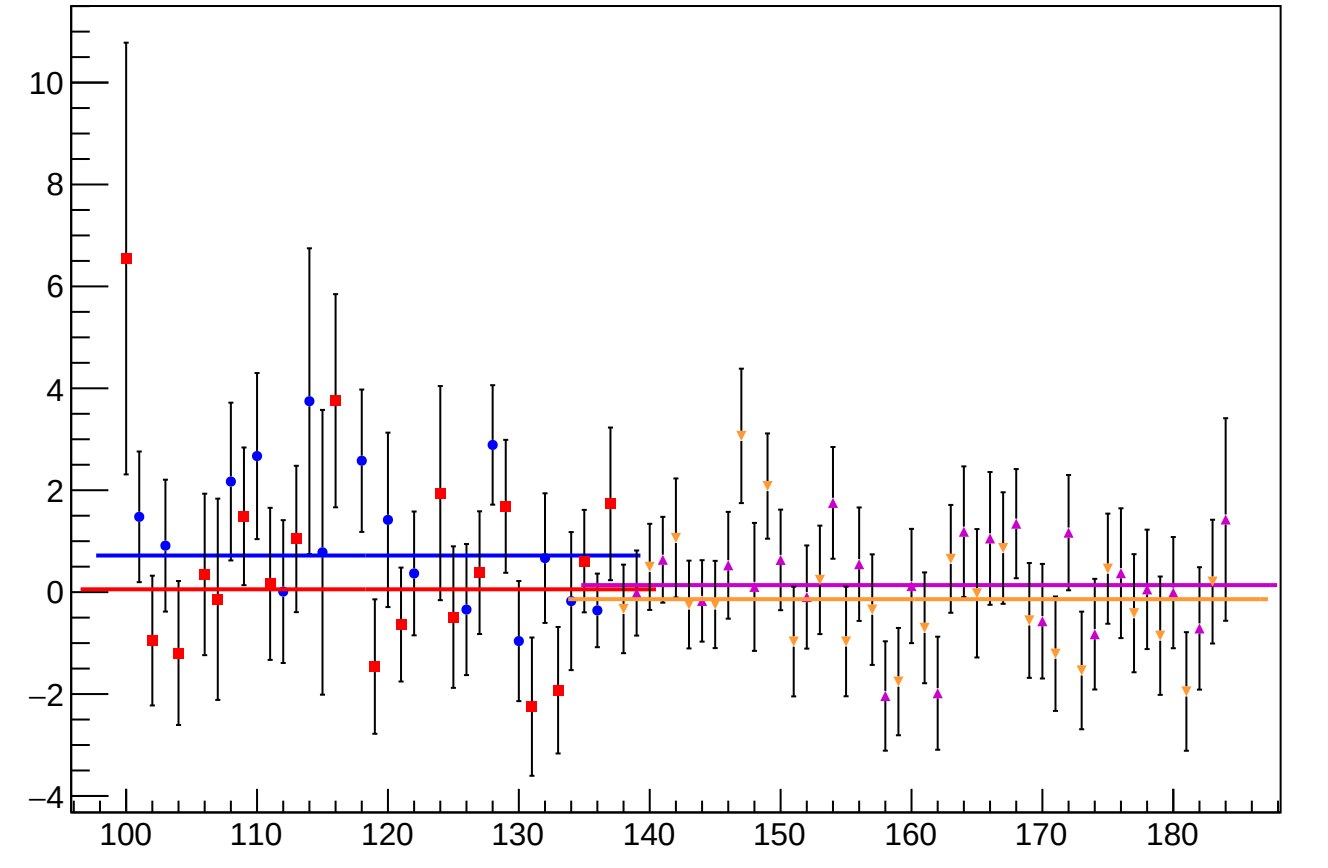
Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6918.456+/-0.969 χ^2/NDF: 1427032.8/39

All: 6873.980+/-0.686 χ^2/NDF: 3022647.1/81

- sign 6829.495+/-0.970 χ^2/NDF: 1591404.0/41



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

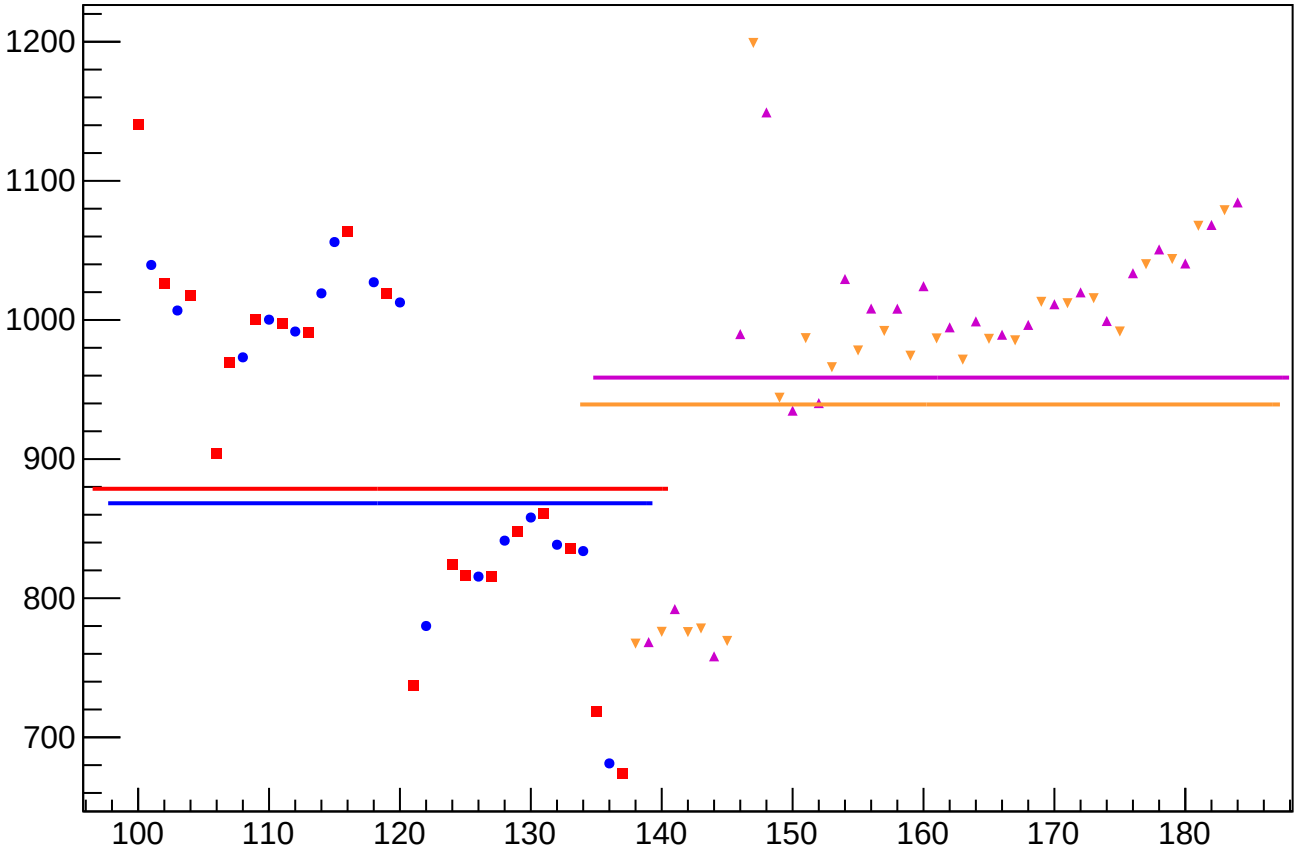
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.124+/-0.180 χ^2/NDF: 43.0/39

All: 0.118+/-0.129 χ^2/NDF: 79.3/81

- sign 0.111+/-0.185 χ^2/NDF: 36.3/41

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

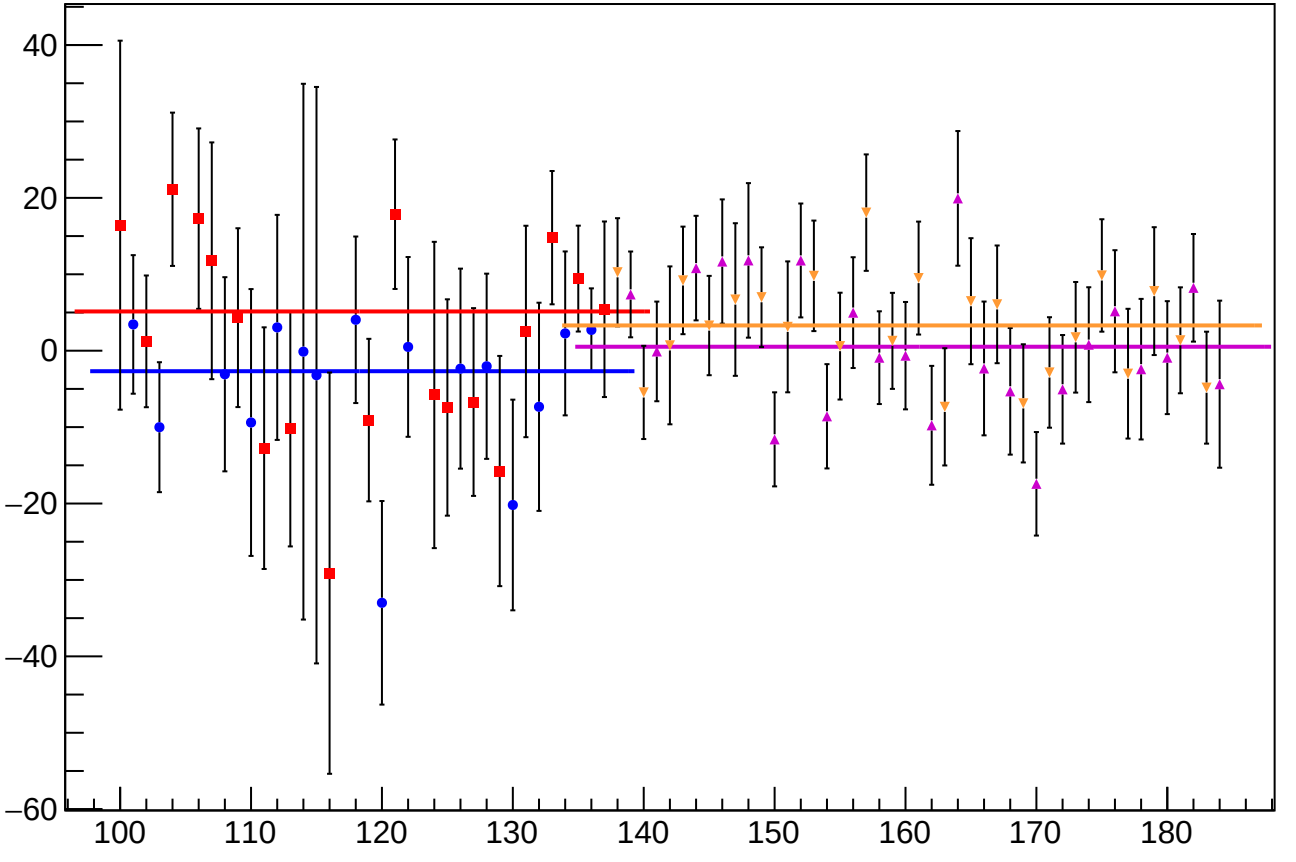
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

\+ sign 917.536+/-0.128 χ^2/NDF: 926601.2/39

All: 924.808+/-0.091 χ^2/NDF: 1744865.3/81

\- sign 932.453+/-0.131 χ^2/NDF: 811591.1/41

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

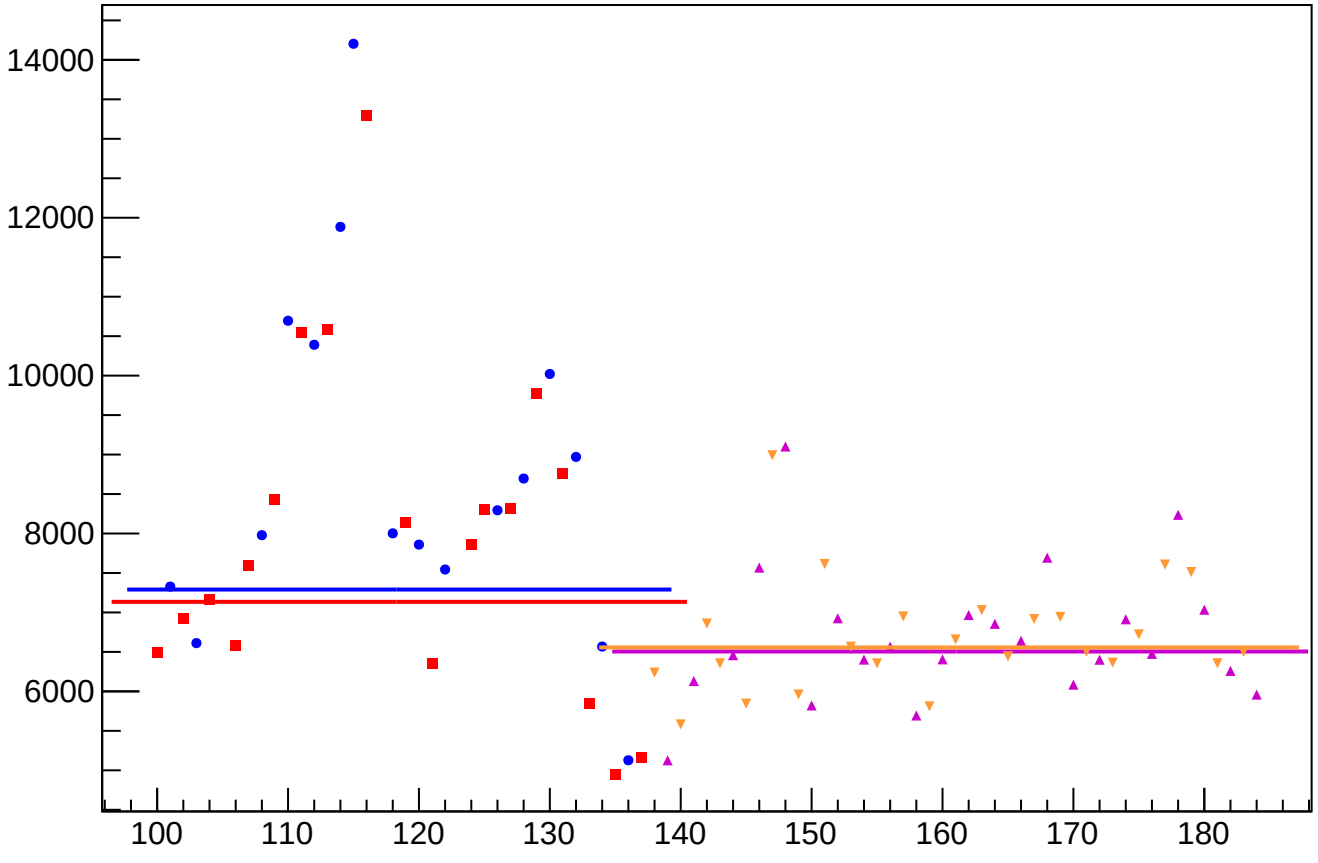
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.945+/-1.329 χ^2/NDF: 31.0/39

All: 1.799+/-0.941 χ^2/NDF: 82.6/81

- sign 1.652+/-1.333 χ^2/NDF: 51.5/41

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

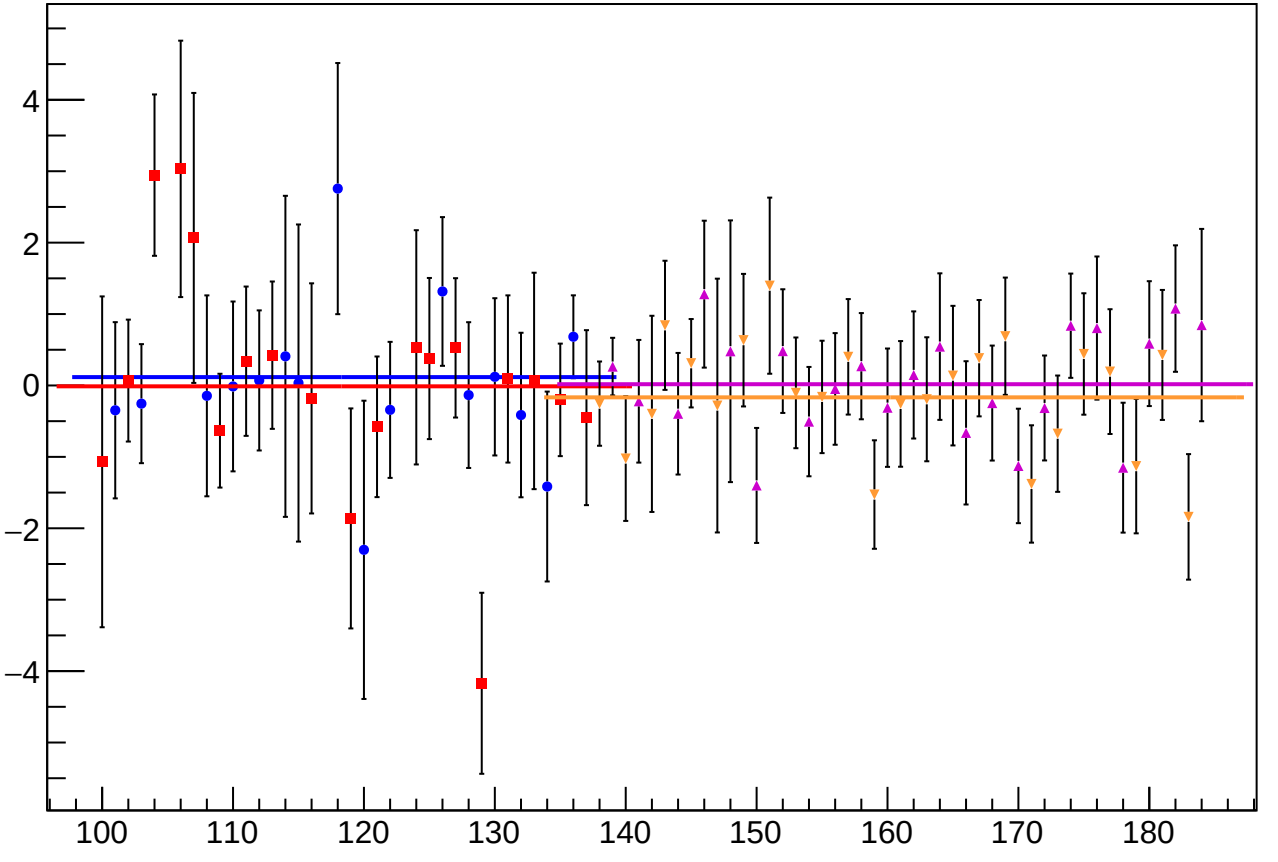
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6723.700+/-0.940 χ^2/NDF: 1239842.8/39

All: 6691.676+/-0.666 χ^2/NDF: 2632955.4/81

- sign 6659.460+/-0.943 χ^2/NDF: 1390784.3/41

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

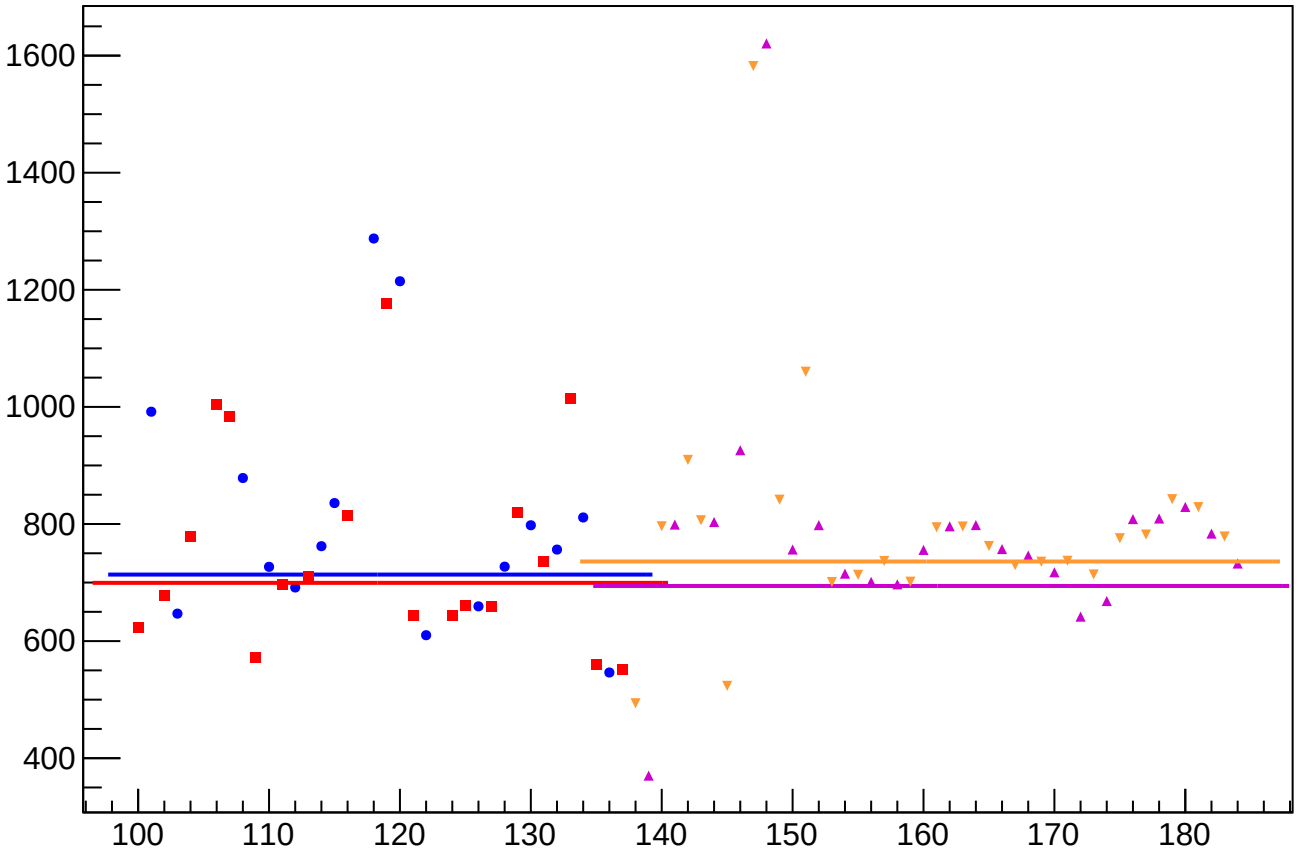
Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.085+/-0.147 χ^2/NDF: 27.8/39

All: -0.037+/-0.102 χ^2/NDF: 68.4/81

- sign 0.009+/-0.142 χ^2/NDF: 40.4/41



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

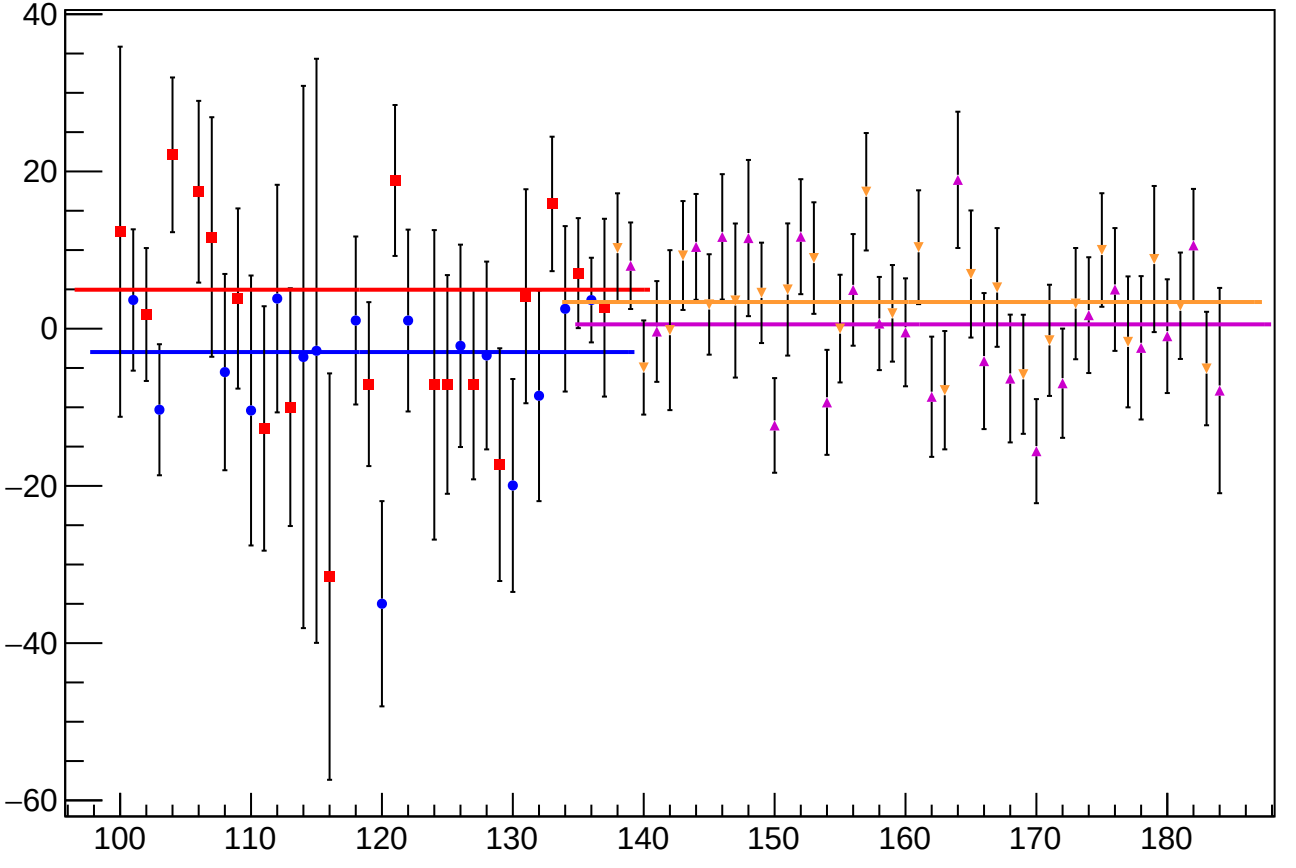
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 729.555+/-0.104 χ^2/NDF: 2044613.0/39

All: 712.136+/-0.072 χ^2/NDF: 4900982.3/81

- sign 695.714+/-0.101 χ^2/NDF: 2801439.7/41

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

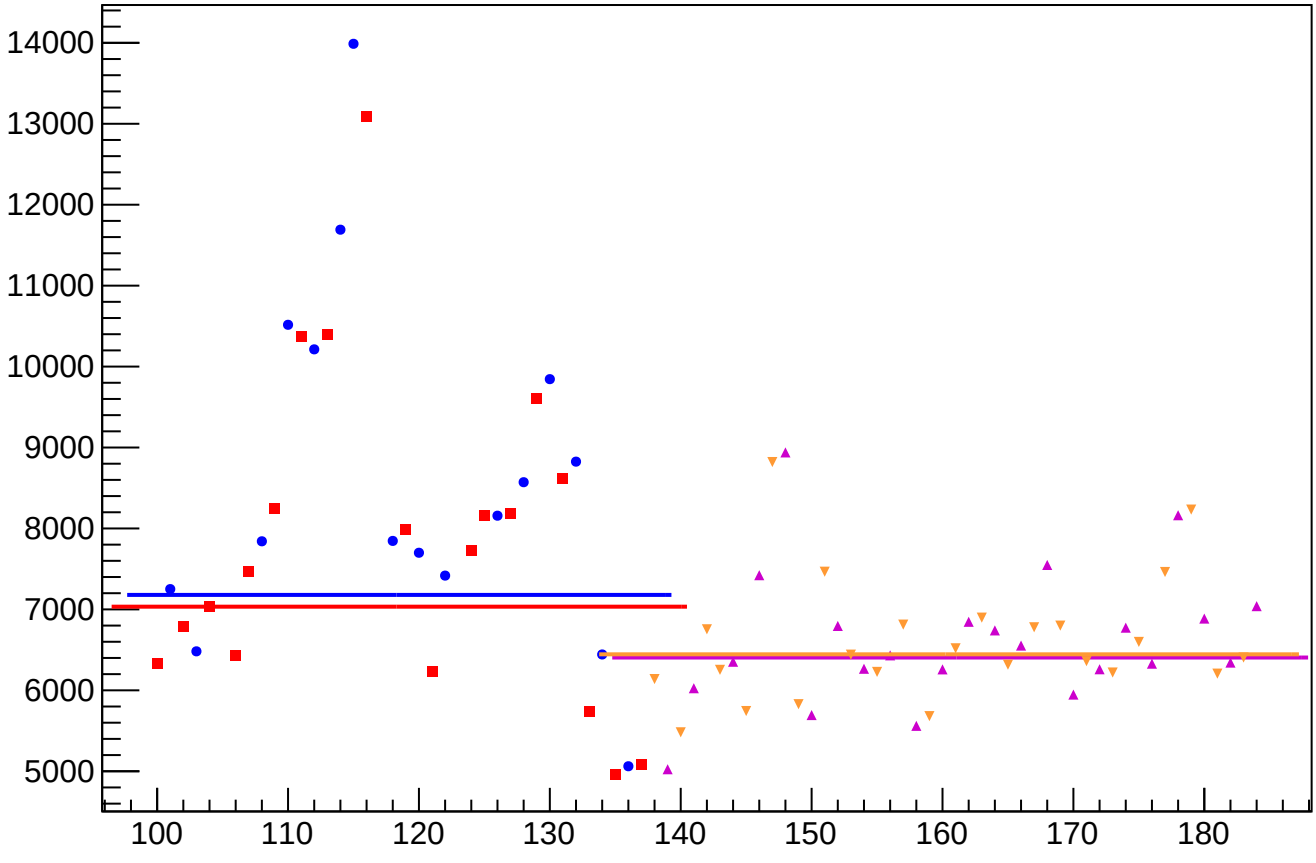
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.946+/-1.309 χ^2/NDF: 32.3/39

All: 1.789+/-0.927 χ^2/NDF: 86.5/81

- sign 1.630+/-1.314 χ^2/NDF: 54.1/41

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

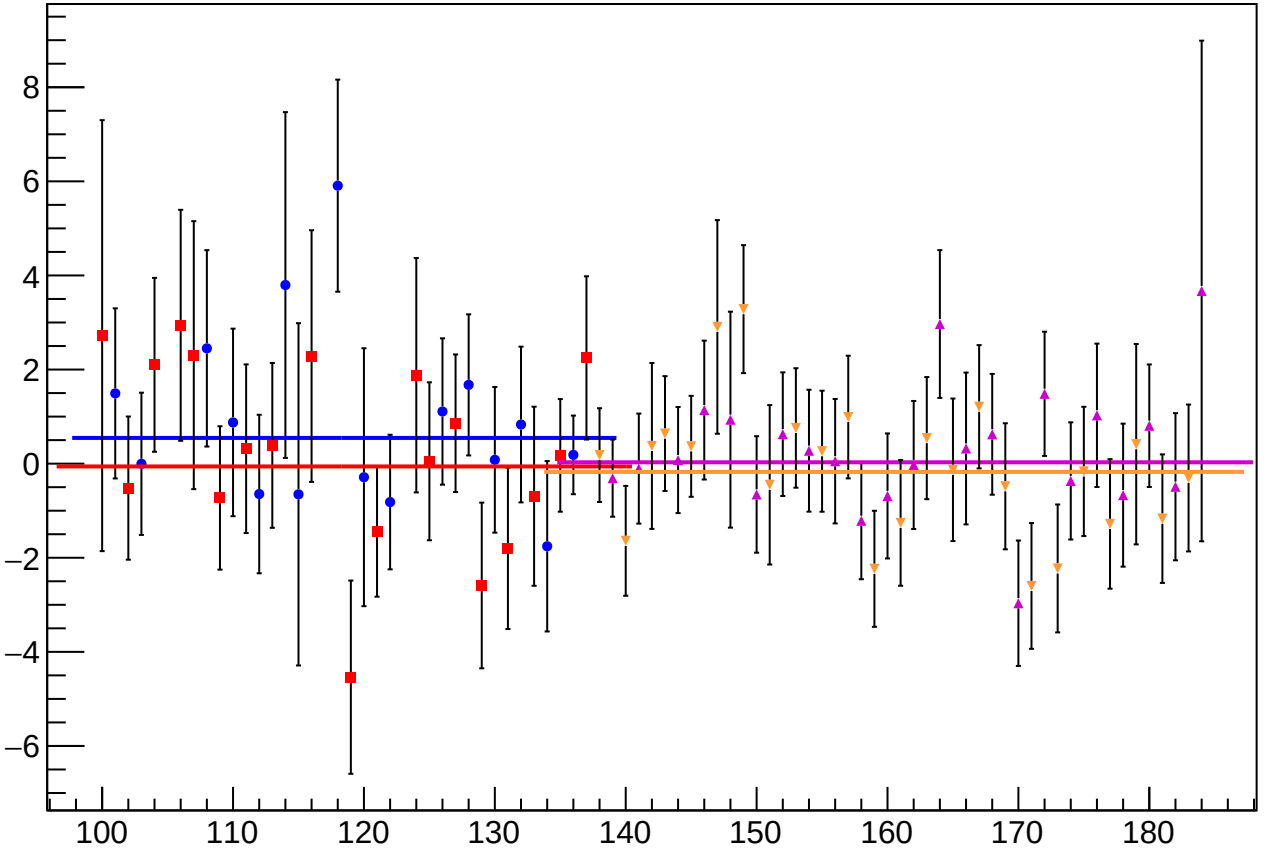
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6611.583+/-0.925 χ^2/NDF: 1284717.4/39

All: 6585.560+/-0.656 χ^2/NDF: 2662426.9/81

- sign 6559.324+/-0.929 χ^2/NDF: 1376121.2/41

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

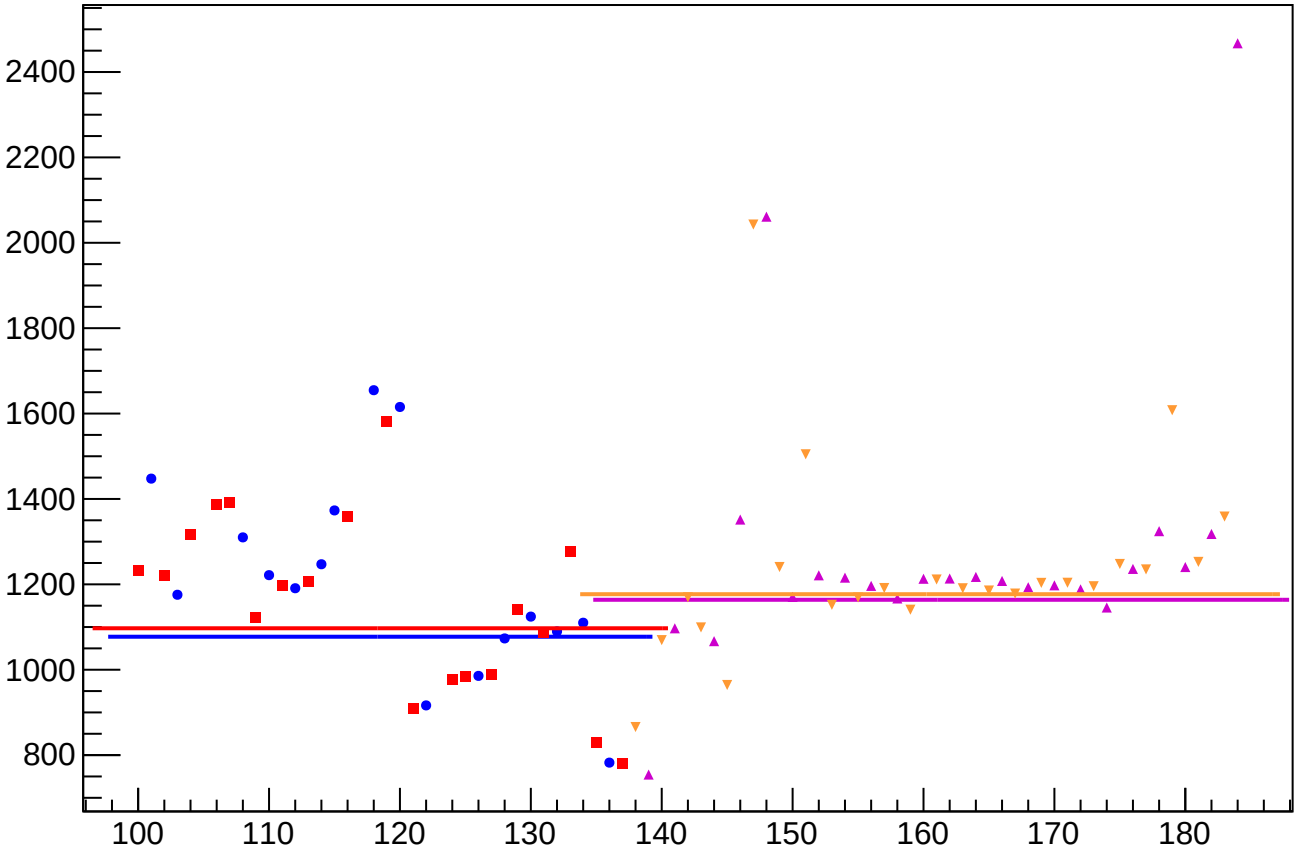
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.048+/-0.229 χ^2/NDF: 38.1/39

All: 0.025+/-0.162 χ^2/NDF: 69.5/81

- sign 0.001+/-0.230 χ^2/NDF: 31.3/41

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

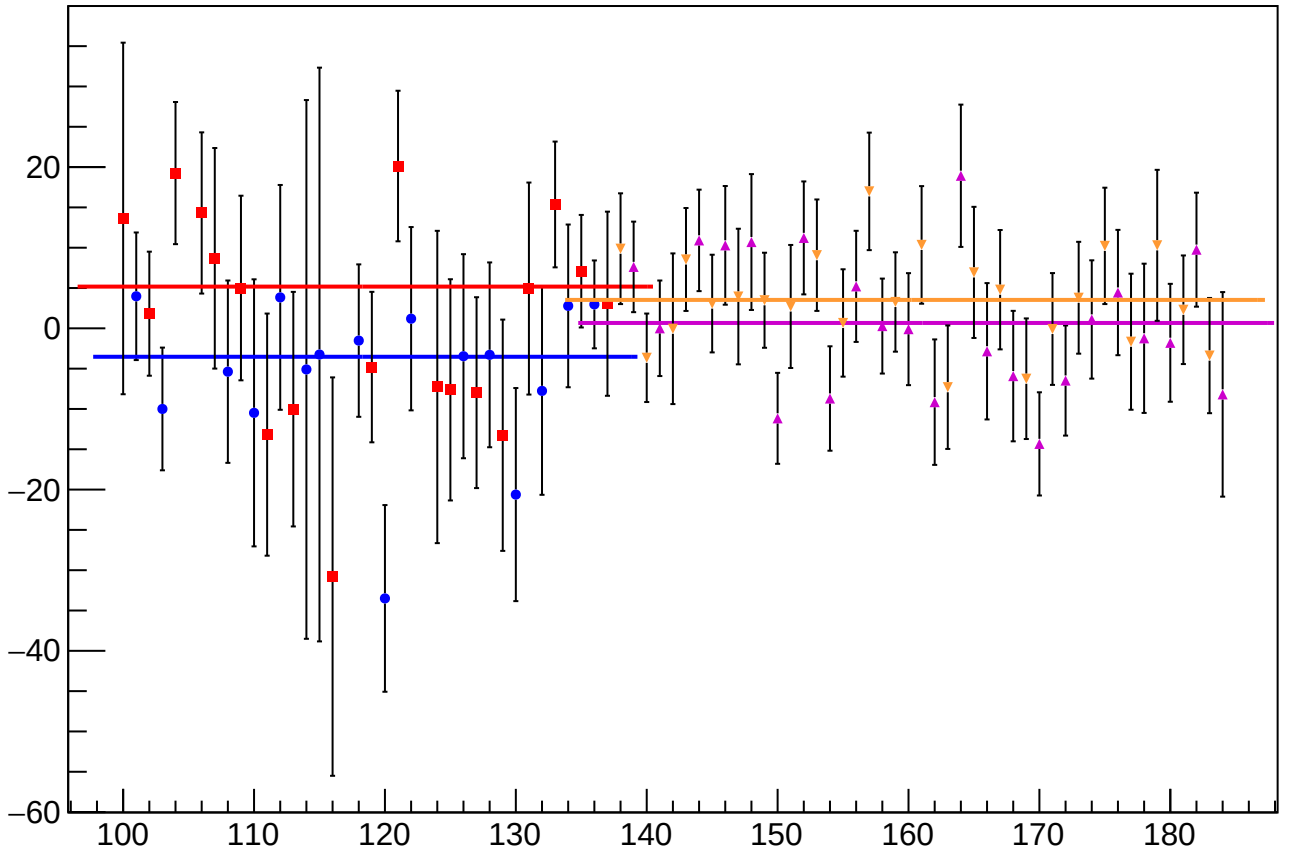
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1146.070+/-0.162 χ^2/NDF: 1527046.1/39

All: 1144.384+/-0.115 χ^2/NDF: 3100216.7/81

- sign 1142.673+/-0.163 χ^2/NDF: 1572951.2/41



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

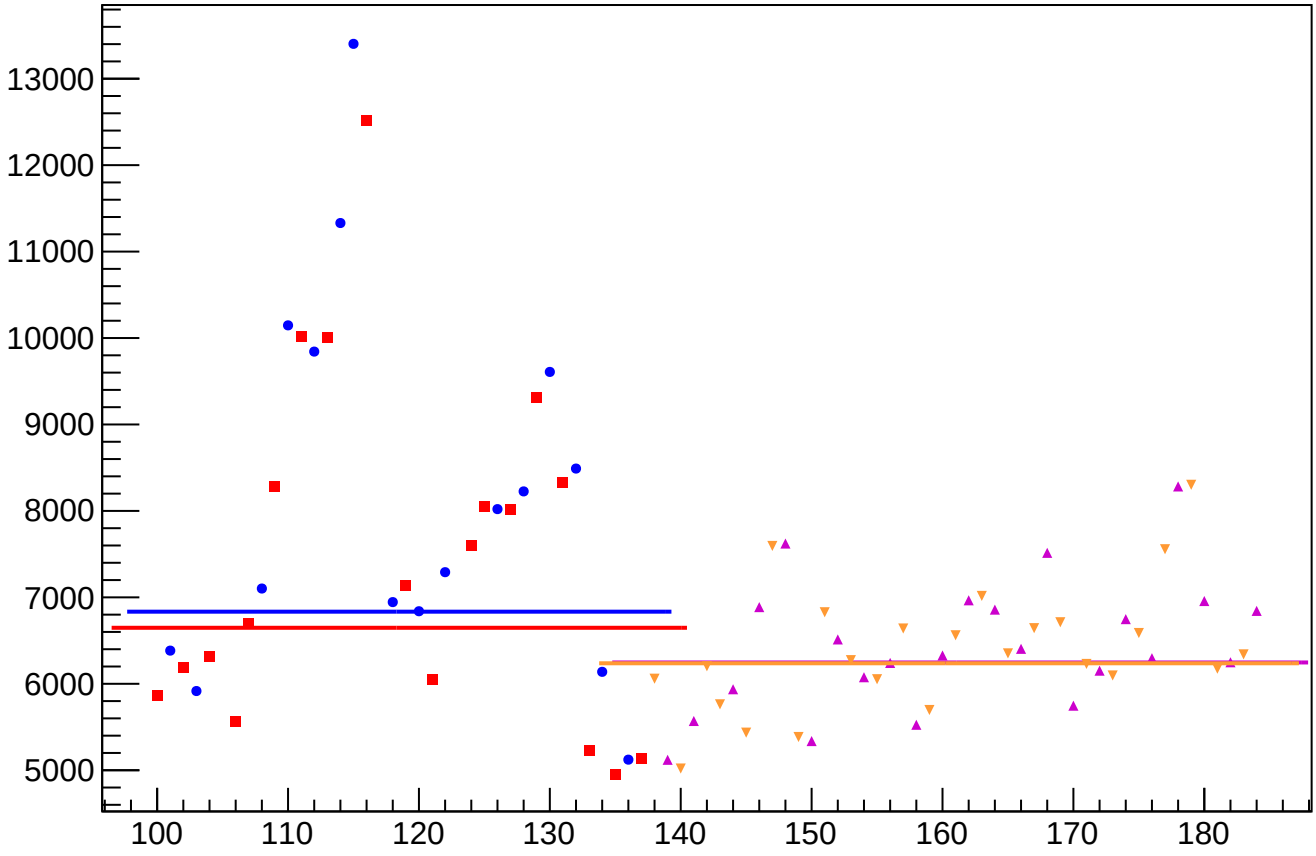
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.876+/-1.262 χ^2/NDF: 33.6/39

All: 1.850+/-0.895 χ^2/NDF: 86.6/81

- sign 1.824+/-1.271 χ^2/NDF: 53.0/41

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

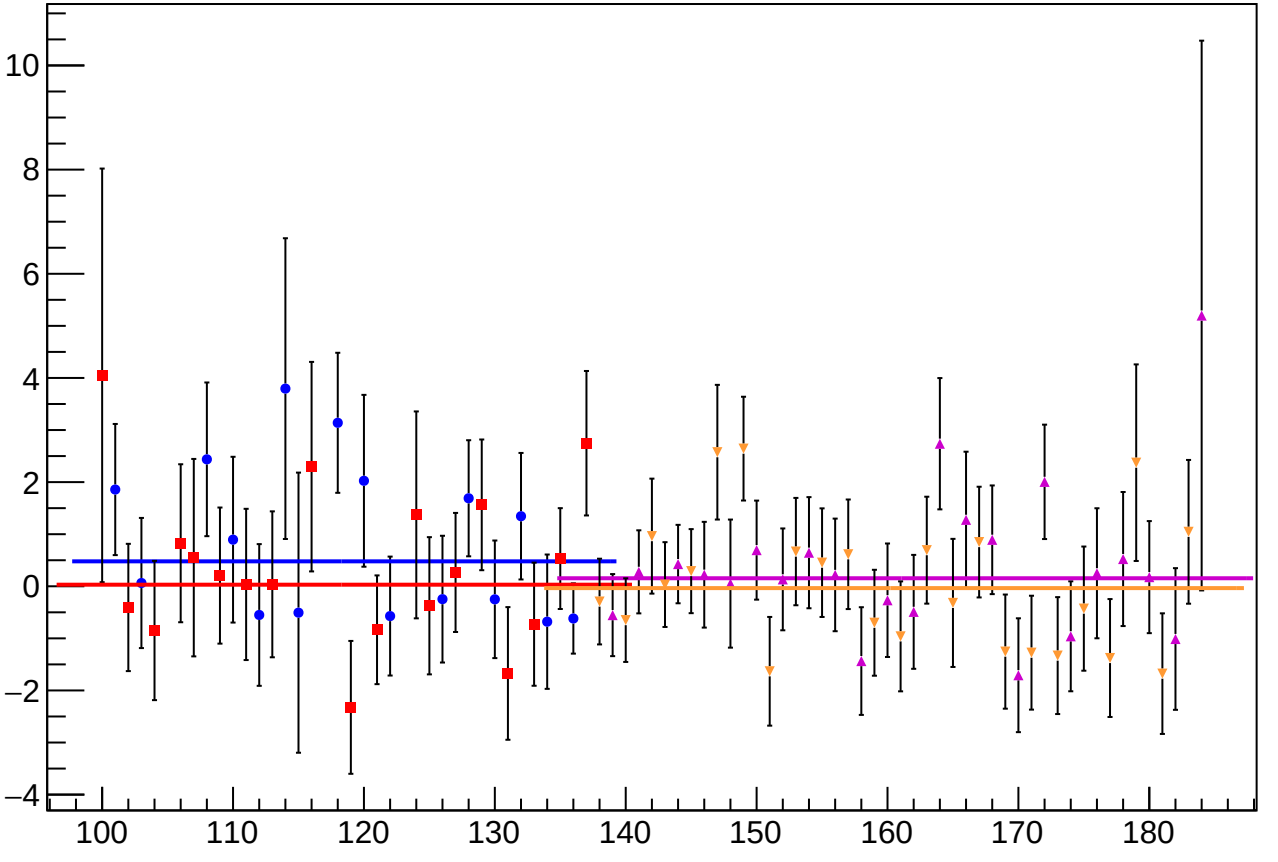
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

\+ sign 6376.984+/-0.892 χ^2/NDF: 1239431.0/39

All: 6363.475+/-0.633 χ^2/NDF: 2548022.9/81

\- sign 6349.771+/-0.898 χ^2/NDF: 1308129.9/41

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

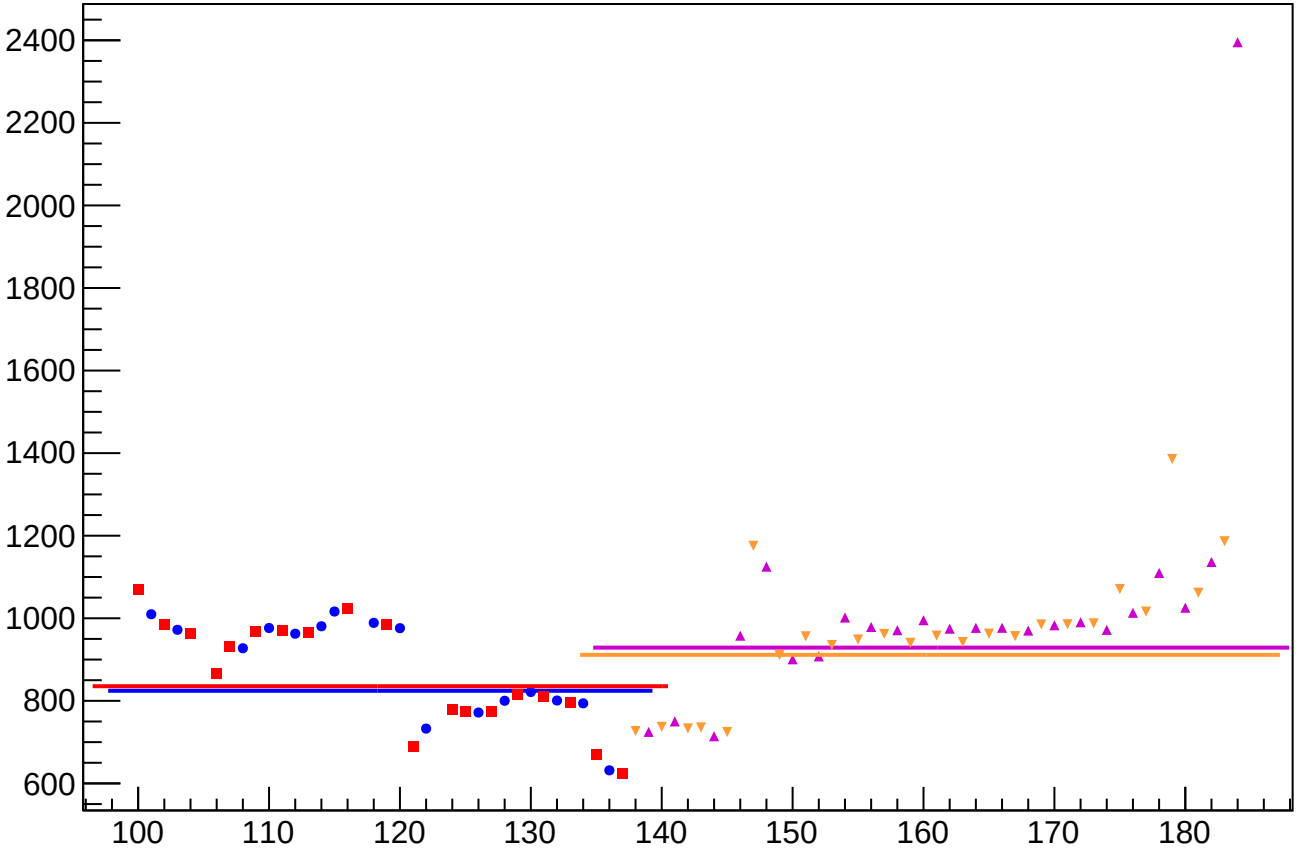
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.129+/-0.176 χ^2/NDF: 47.0/39

All: 0.121+/-0.126 χ^2/NDF: 81.3/81

- sign 0.112+/-0.180 χ^2/NDF: 34.2/41

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

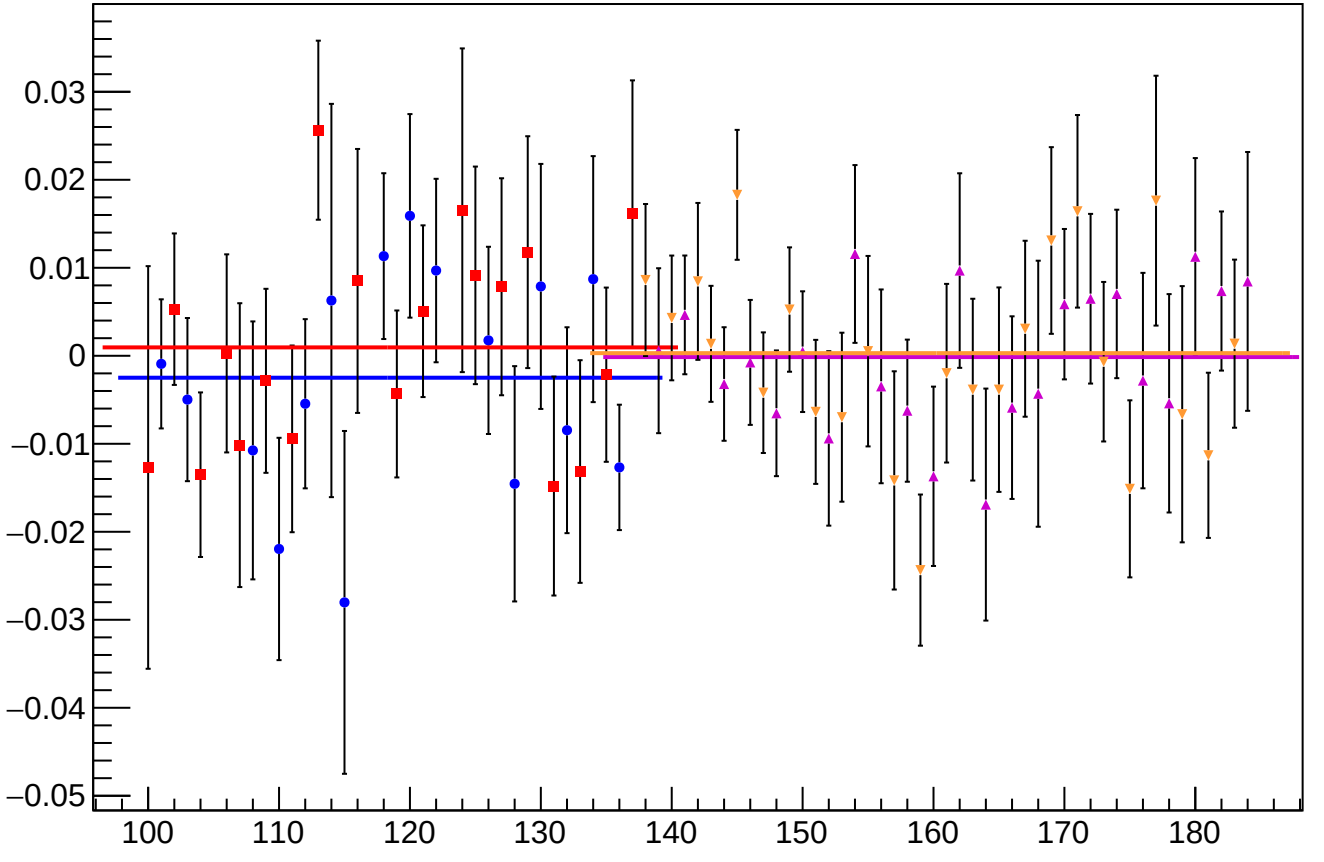
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 883.632+/-0.124 χ^2/NDF: 1349730.1/39

All: 890.265+/-0.089 χ^2/NDF: 2565229.0/81

- sign 897.204+/-0.127 χ^2/NDF: 1209666.2/41

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

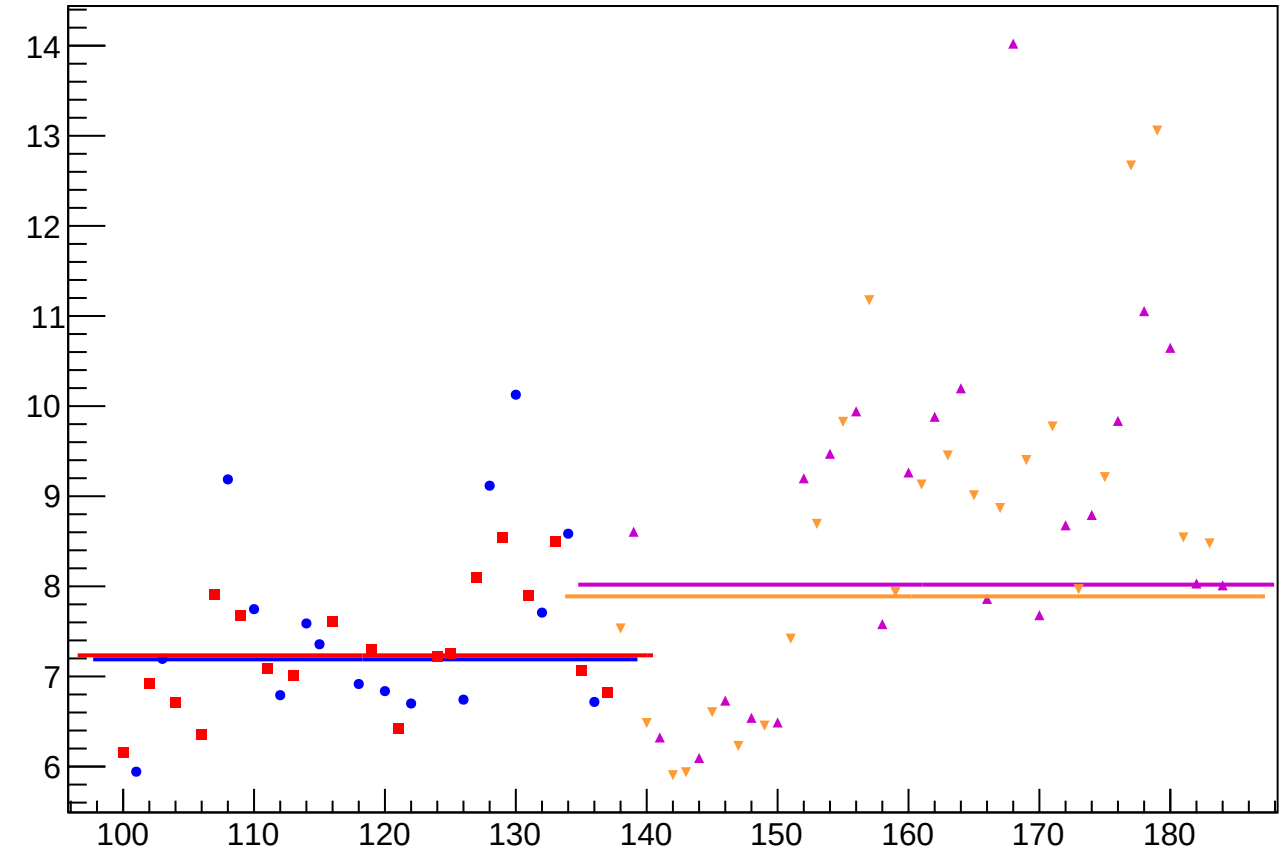
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.001+/-0.002 χ^2/NDF: 45.5/39

All: -0.000+/-0.001 χ^2/NDF: 75.8/81

- sign 0.000+/-0.002 χ^2/NDF: 30.2/41



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.889+/-0.001 χ^2/NDF:1586968.9/23

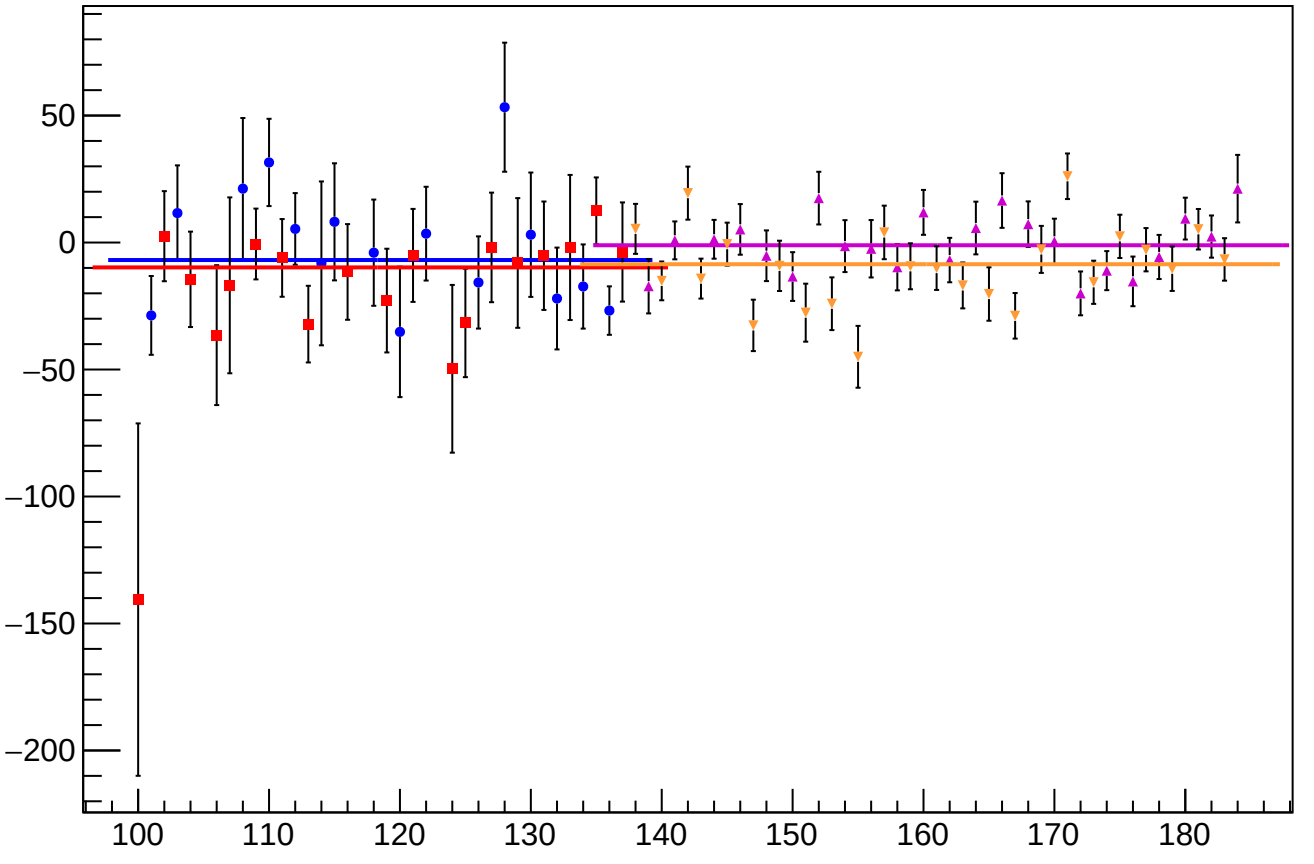
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.666+/-0.001 χ^2/NDF: 1955218.5/39

All: 7.707+/-0.001 χ^2/NDF: 3634753.8/81

- sign 7.751+/-0.001 χ^2/NDF: 1676499.8/41



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

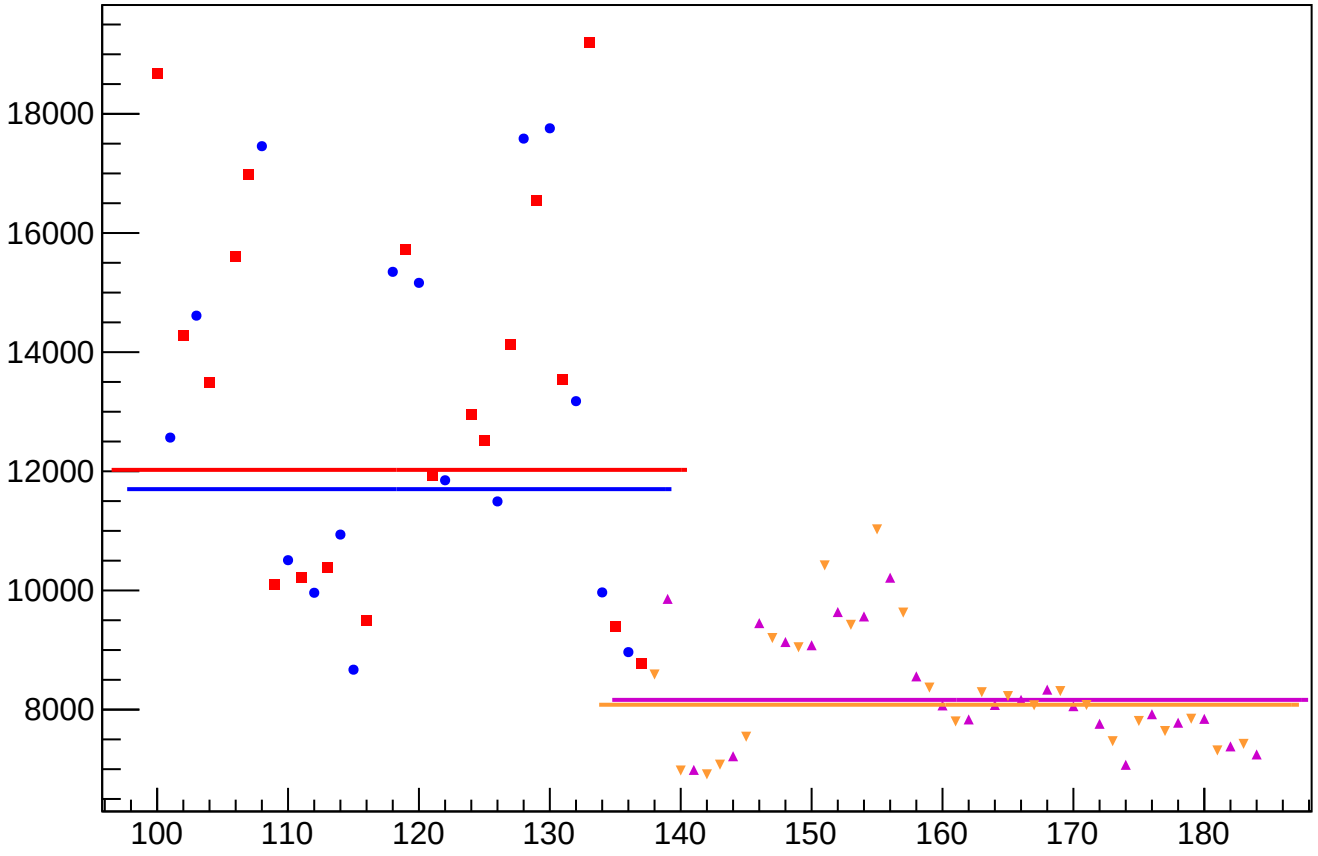
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.295+/-1.723 χ^2/NDF: 84.0/39

All: -5.427+/-1.234 χ^2/NDF: 135.6/81

- sign -2.407+/-1.768 χ^2/NDF: 46.0/41

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8081.734+/-1.319 χ^2/NDF:490539.3/23

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

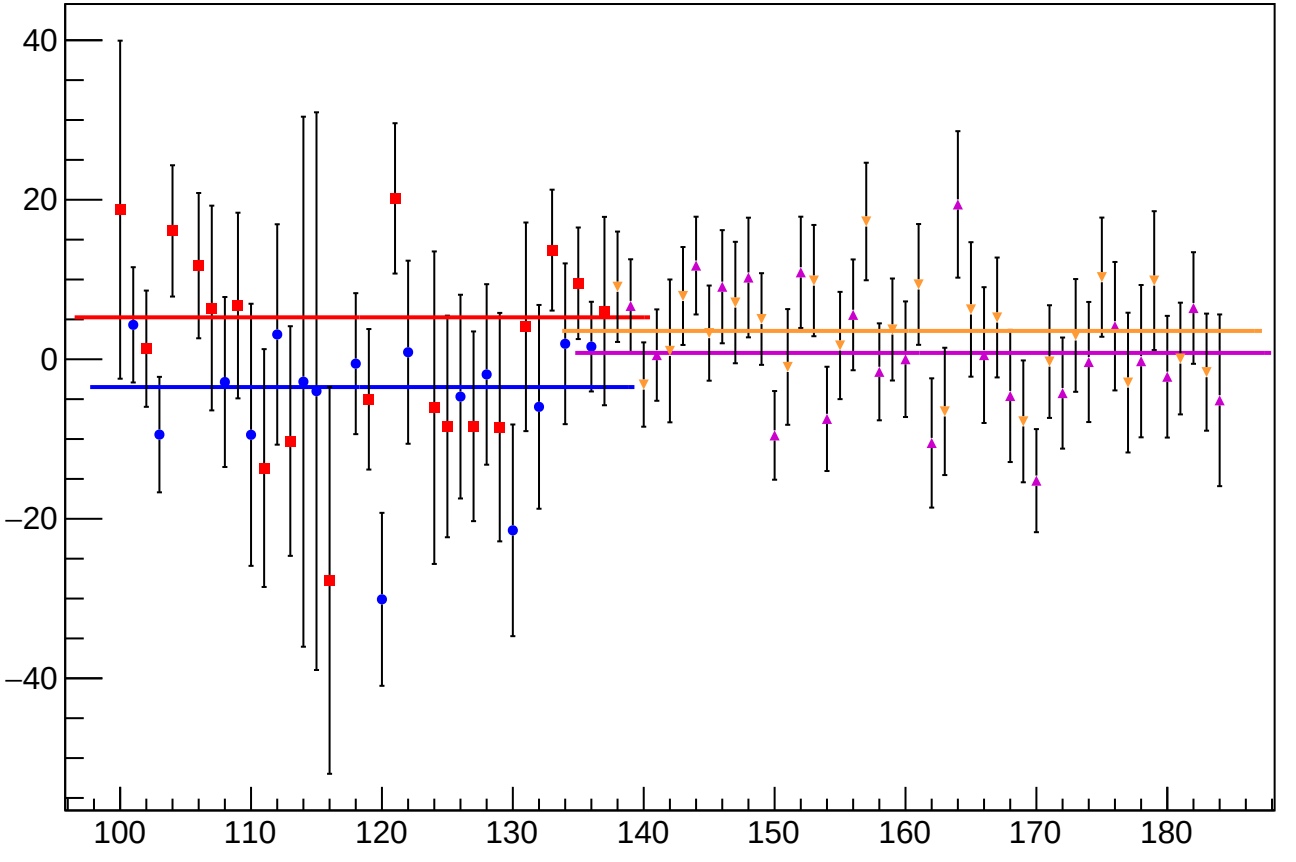
Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8614.761+/-1.218 χ^2/NDF: 2339412.8/39

All: 8682.889+/-0.872 χ^2/NDF: 4700160.6/81

- sign 8754.633+/-1.250 χ^2/NDF: 2354324.7/41

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

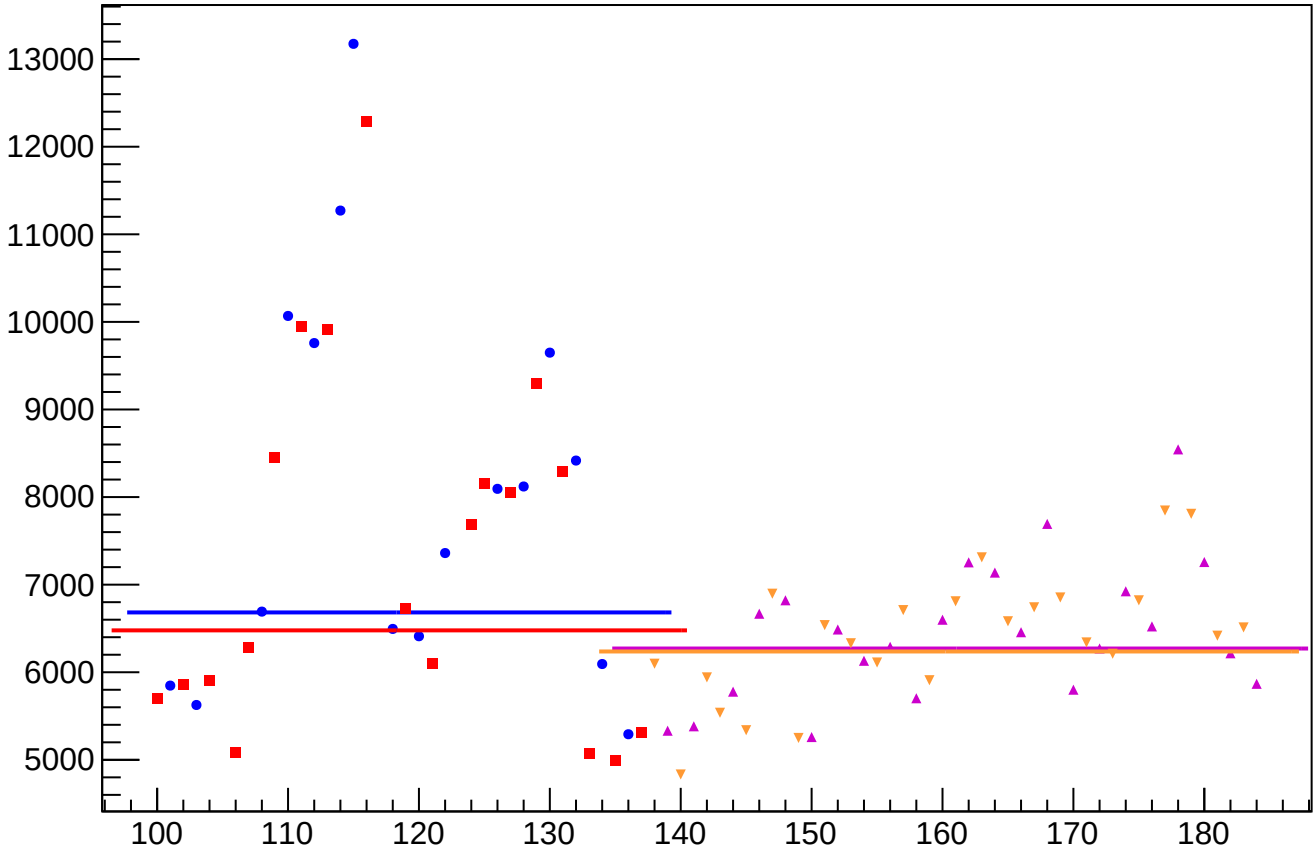
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.850+/-1.255 χ^2/NDF: 32.6/39

All: 1.920+/-0.891 χ^2/NDF: 81.1/81

- sign 1.991+/-1.265 χ^2/NDF: 48.5/41

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

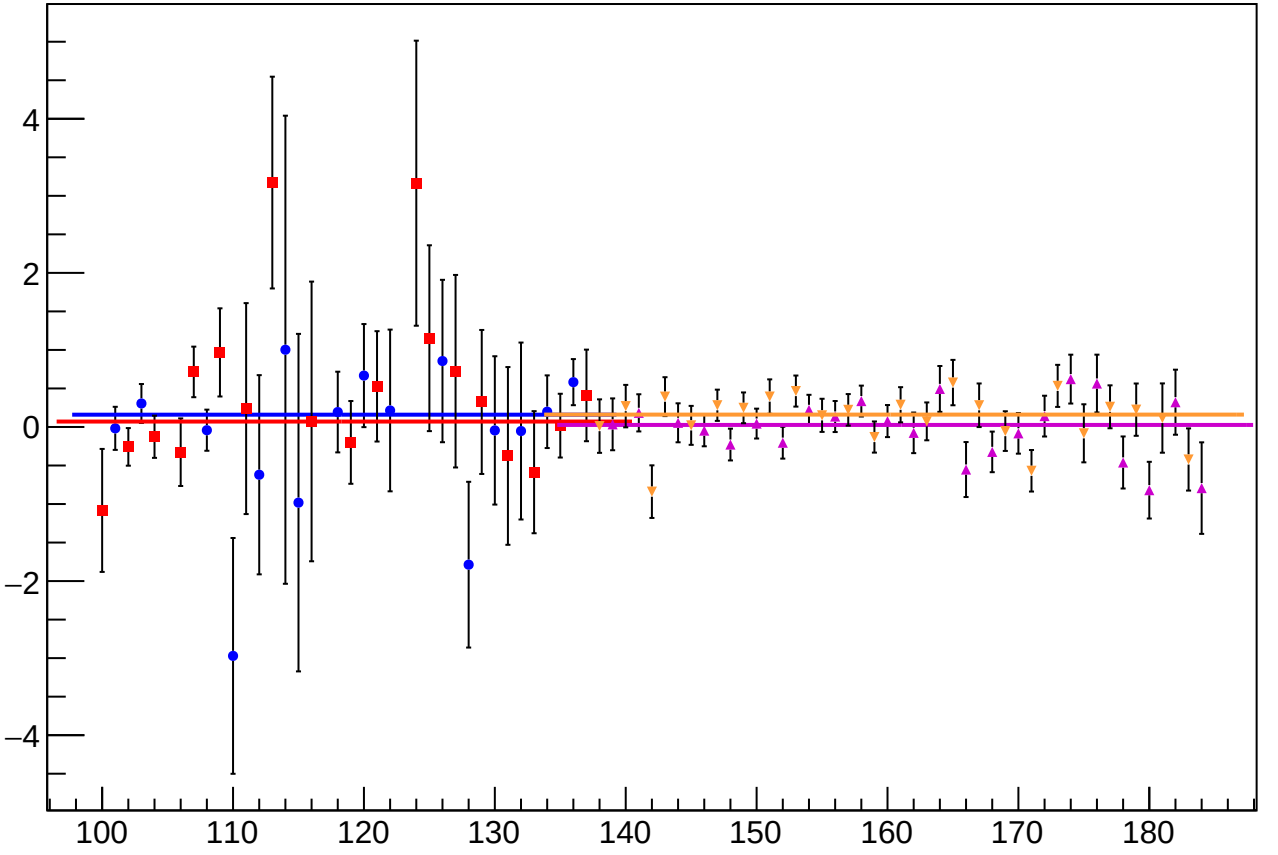
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6345.252+/-0.887 χ^2/NDF: 1268636.4/39

All: 6335.855+/-0.630 χ^2/NDF: 2623330.7/81

- sign 6326.301+/-0.895 χ^2/NDF: 1354468.2/41

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.161+/-0.052 χ^2/NDF:31.4/23

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

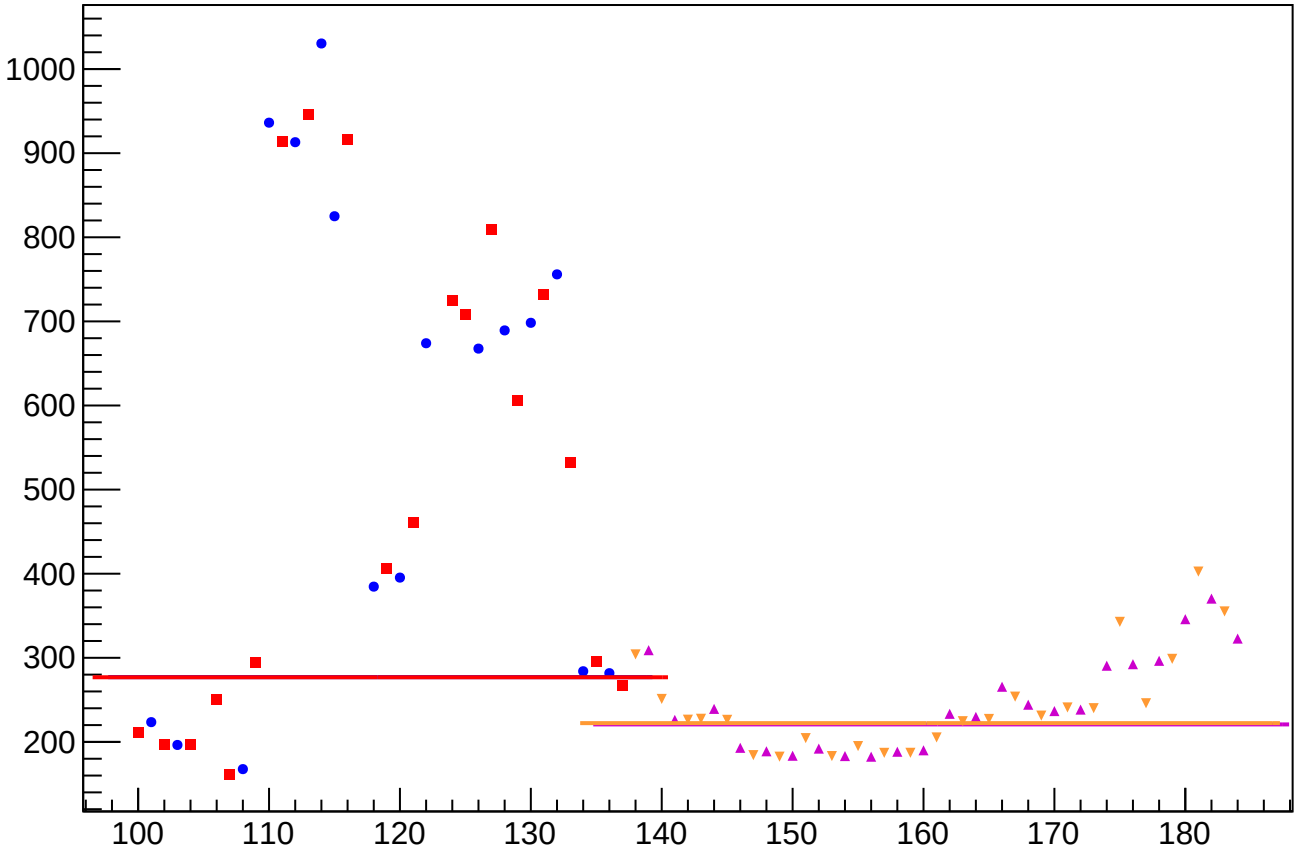
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.160+/-0.048 χ^2/NDF: 43.9/39

All: 0.098+/-0.034 χ^2/NDF: 99.8/81

- sign 0.034+/-0.048 χ^2/NDF: 52.4/41

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

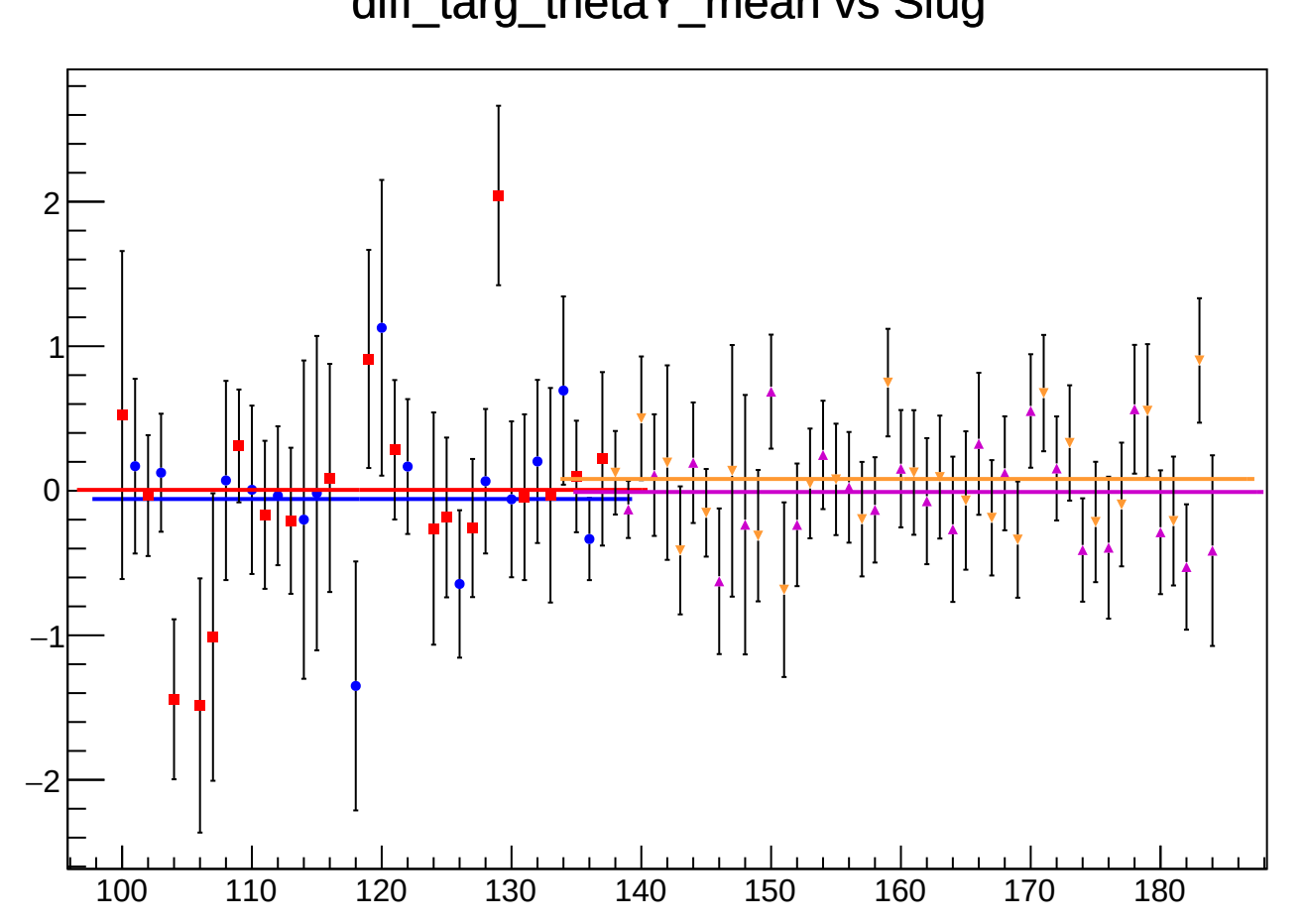
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 231.084+/-0.034 χ^2/NDF: 5242381.8/39

All: 230.540+/-0.024 χ^2/NDF: 10652926.4/81

- sign 229.983+/-0.034 χ^2/NDF: 5410021.6/41



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

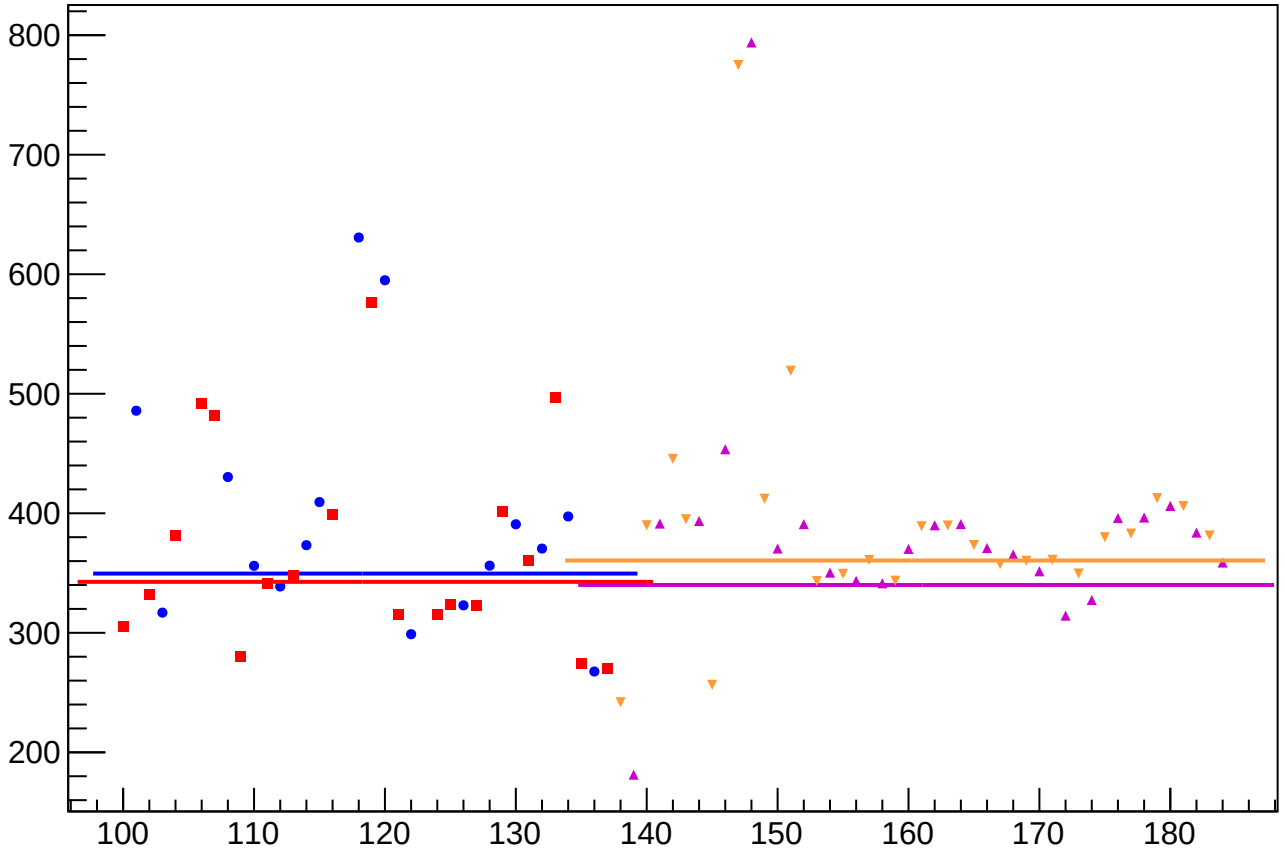
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.042+/-0.072 χ^2/NDF: 27.8/39

All: 0.018+/-0.050 χ^2/NDF: 68.4/81

- sign -0.004+/-0.070 χ^2/NDF: 40.4/41

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

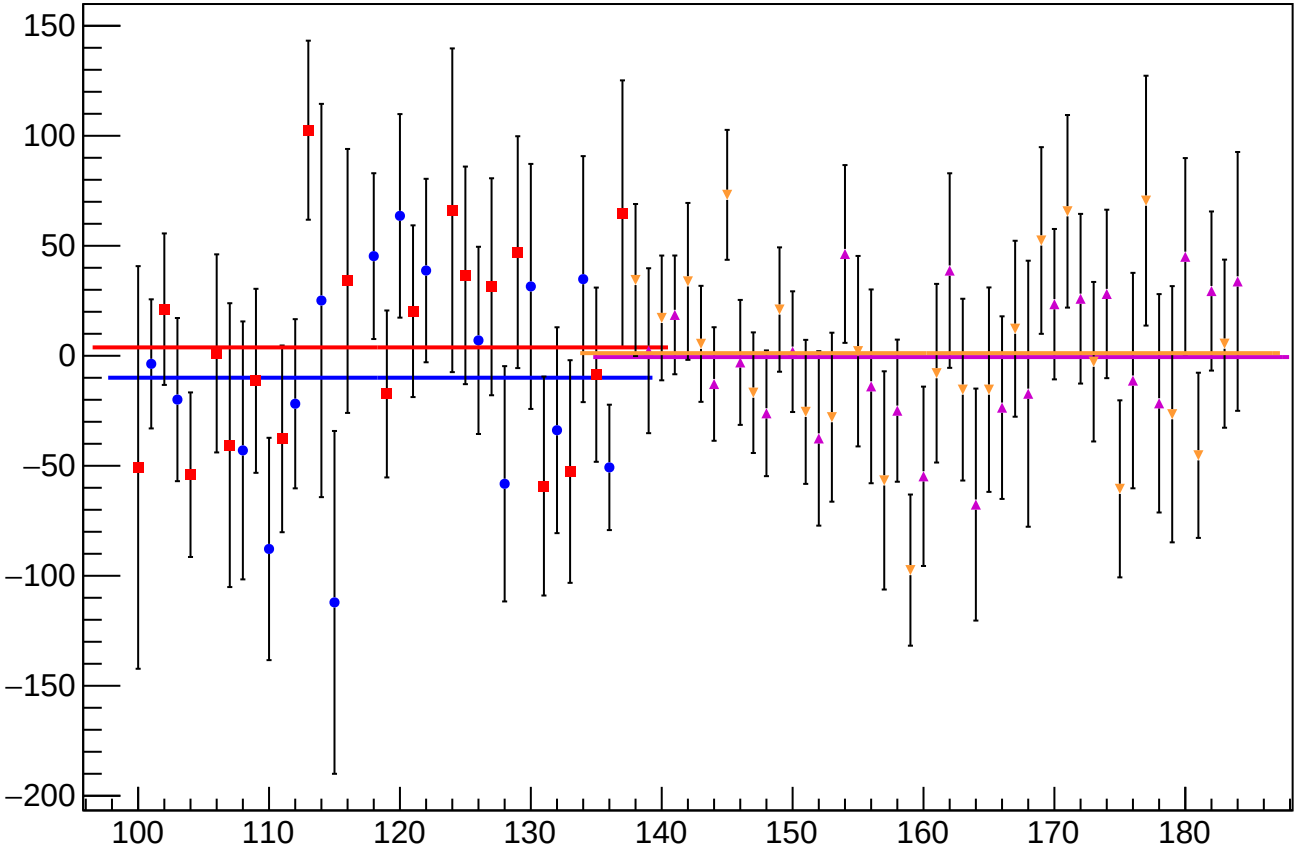
Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

\+ sign 357.362+/-0.051 χ^2/NDF: 2044613.0/39

All: 348.830+/-0.035 χ^2/NDF: 4900982.3/81

\- sign 340.786+/-0.049 χ^2/NDF: 2801439.7/41

diff_bpmE_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

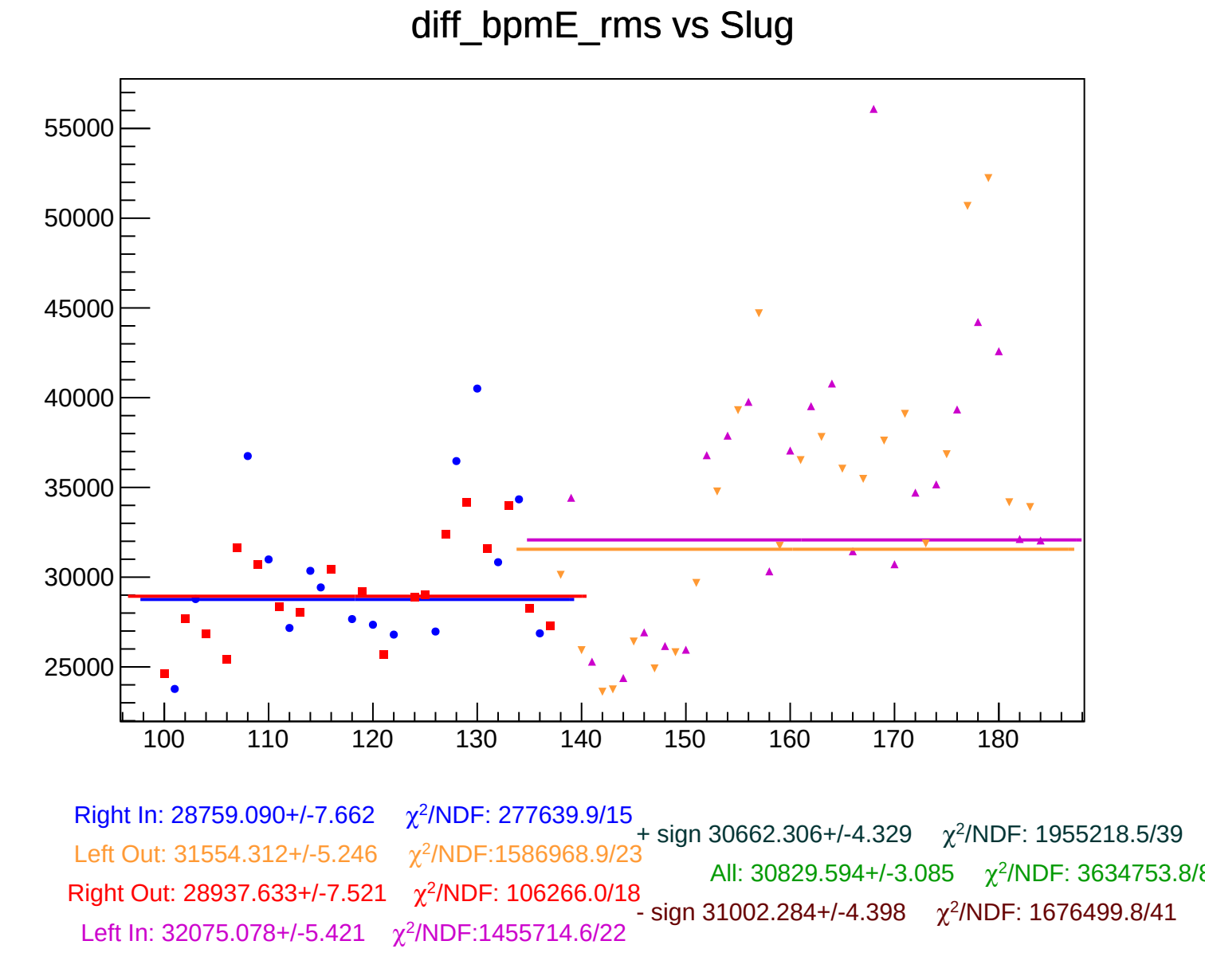
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

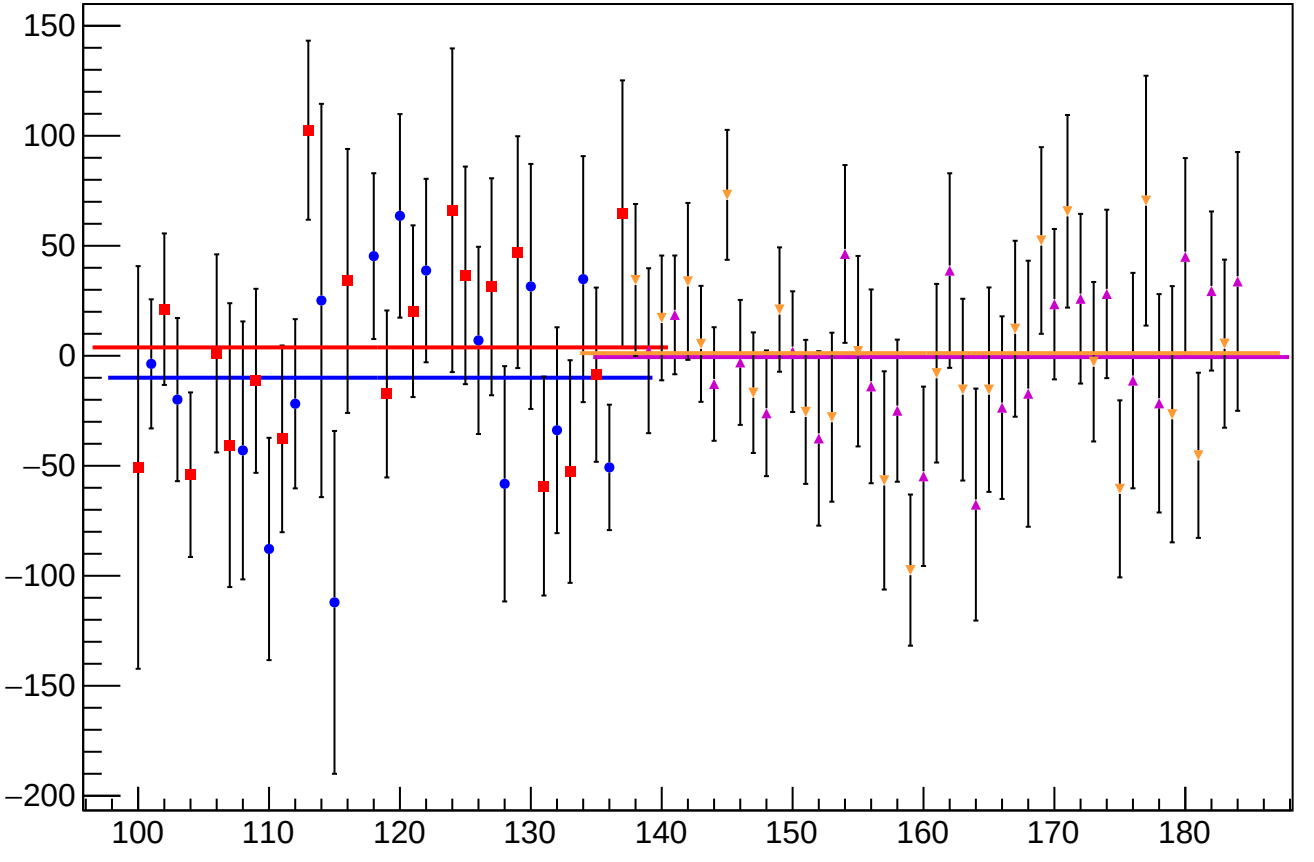
\+ sign -2.364+/-6.121 χ^2/NDF: 45.5/39

All: -0.749+/-4.363 χ^2/NDF: 75.8/81

\- sign 0.918+/-6.220 χ^2/NDF: 30.2/41


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: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30662.306+/-4.329 χ²/NDF: 1955218.5/39
All: 30829.594+/-3.085 χ²/NDF: 3634753.8/8
- sign 31002.284+/-4.398 χ²/NDF: 1676499.8/41

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

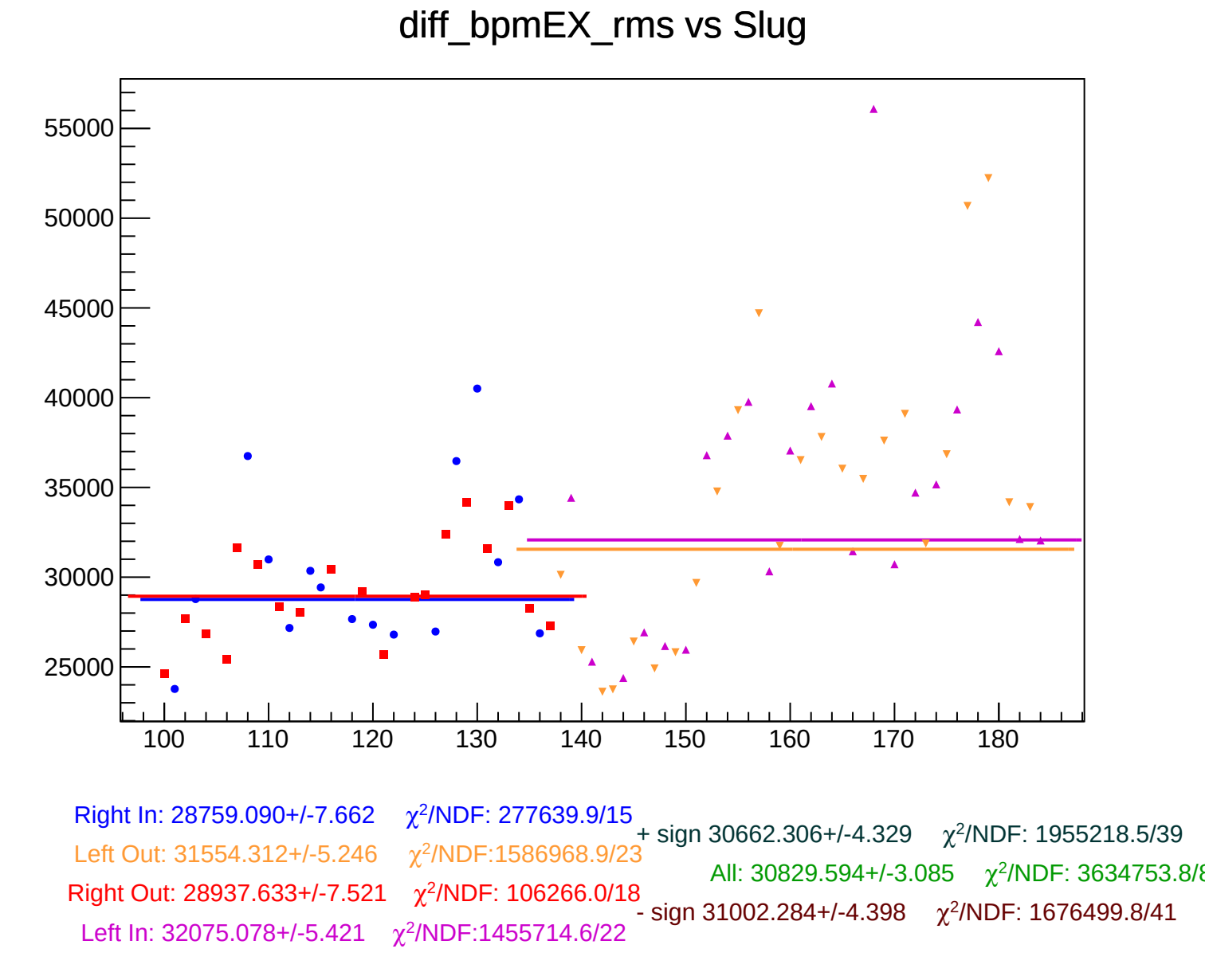
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

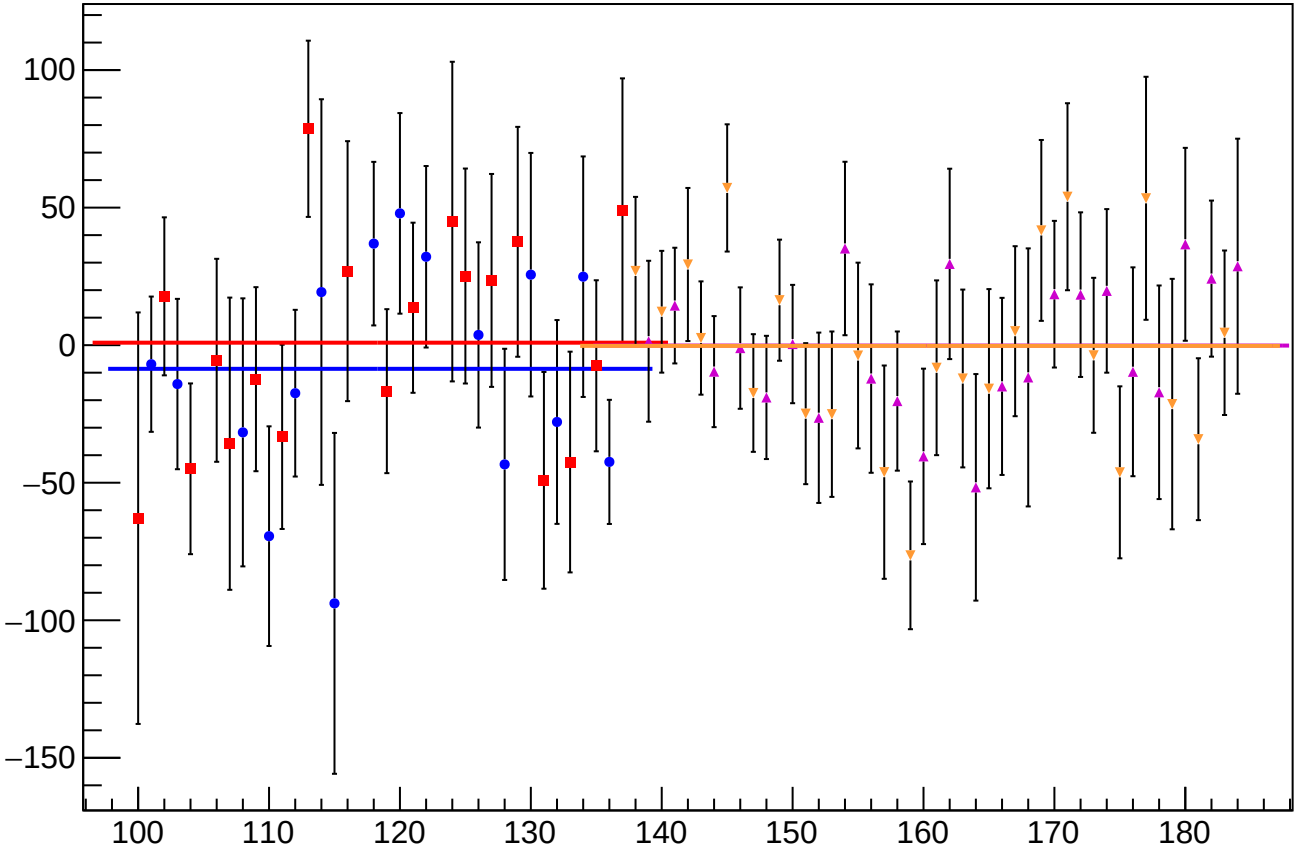
+ sign -2.364+/-6.121 χ^2/NDF: 45.5/39

All: -0.749+/-4.363 χ^2/NDF: 75.8/81

- sign 0.918+/-6.220 χ^2/NDF: 30.2/41


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: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30662.306+/-4.329 χ²/NDF: 1955218.5/39
All: 30829.594+/-3.085 χ²/NDF: 3634753.8/8
- sign 31002.284+/-4.398 χ²/NDF: 1676499.8/41

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -0.255+/-5.788 χ^2/NDF:30.7/23

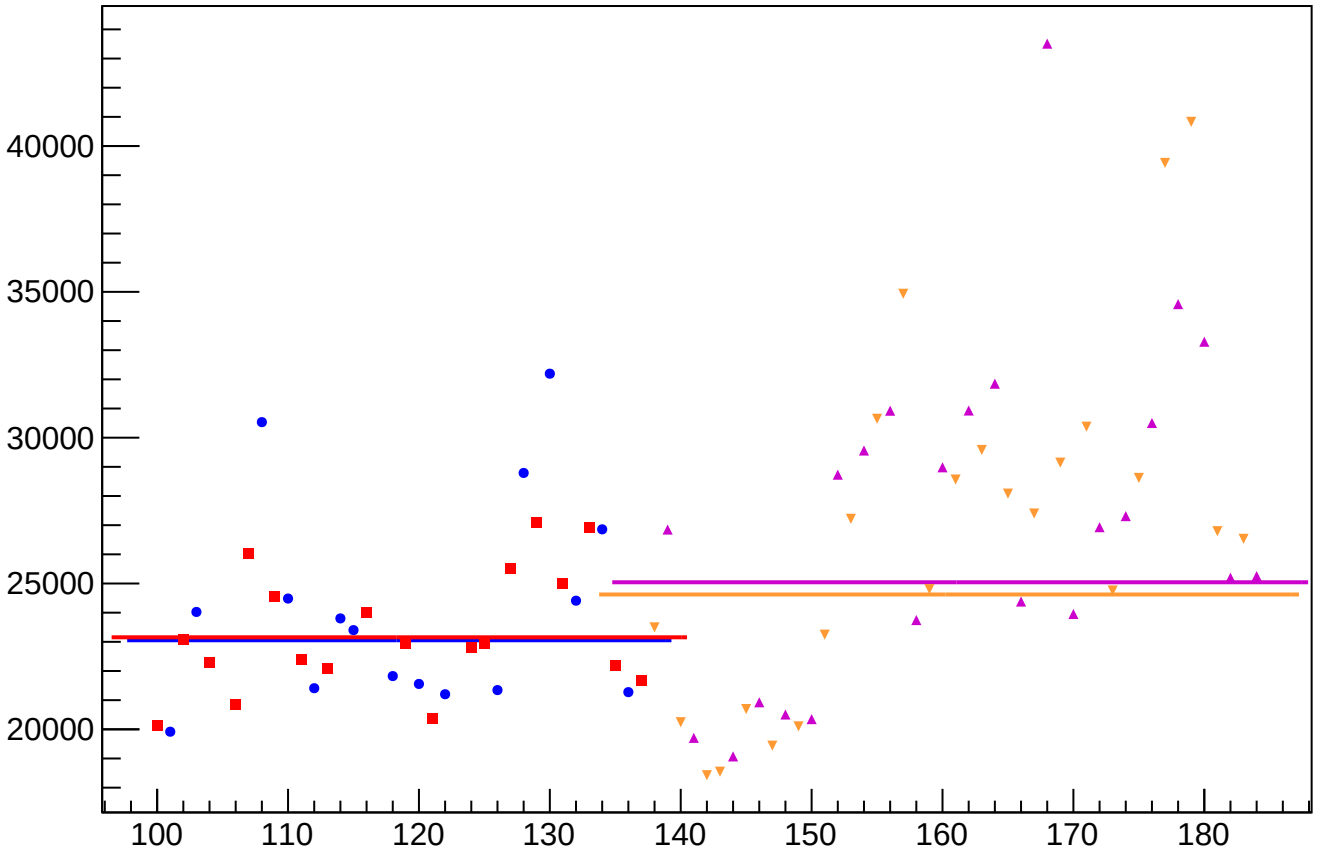
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -2.824+/-4.815 χ^2/NDF: 46.9/39

All: -1.336+/-3.433 χ^2/NDF: 76.8/81

- sign 0.201+/-4.895 χ^2/NDF: 29.7/41



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 24623.330+/-4.093 χ^2/NDF:1577824.7/23

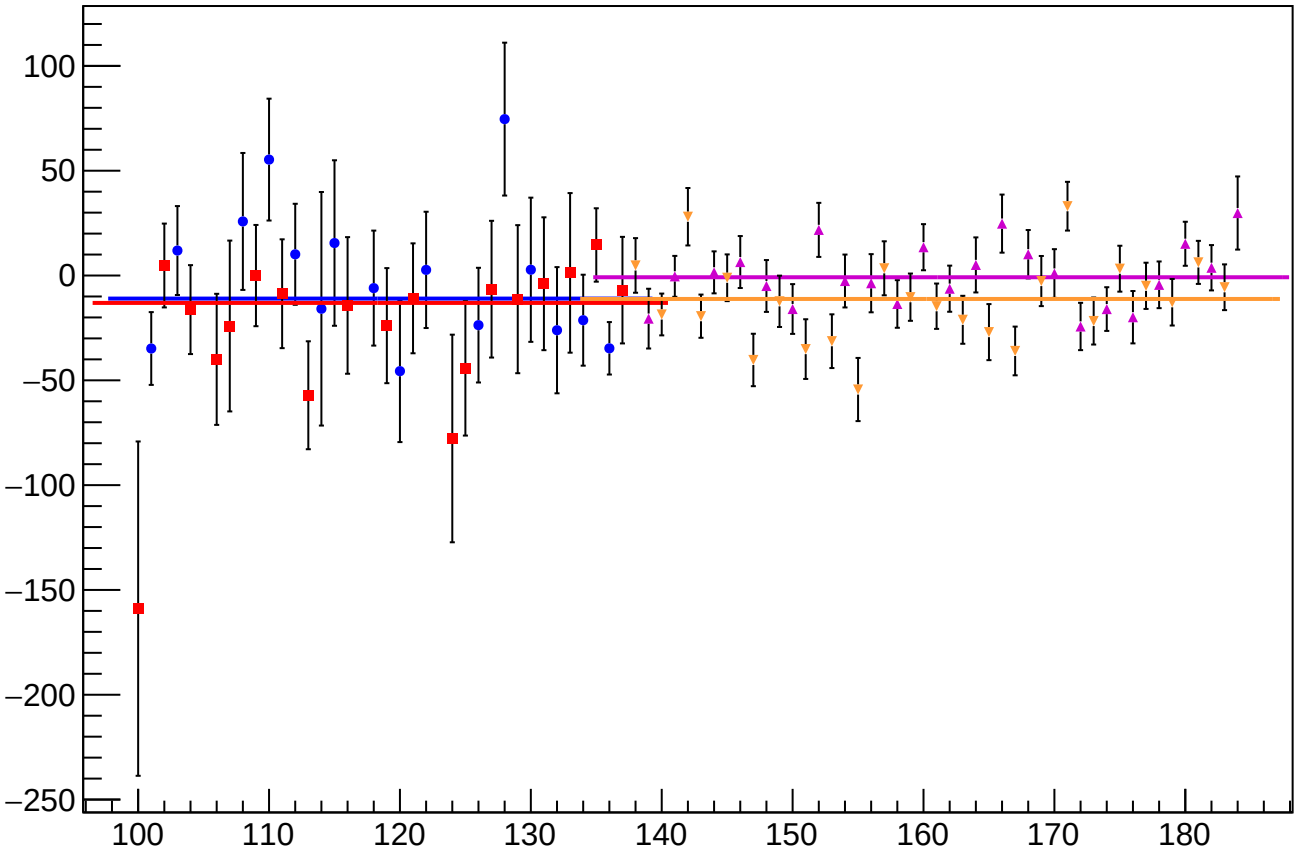
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

\+ sign 24140.168+/-3.405 χ^2/NDF: 1884540.5/39

All: 24276.442+/-2.427 χ^2/NDF: 3489154.0/8

\- sign 24417.244+/-3.461 χ^2/NDF: 1601356.5/41



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

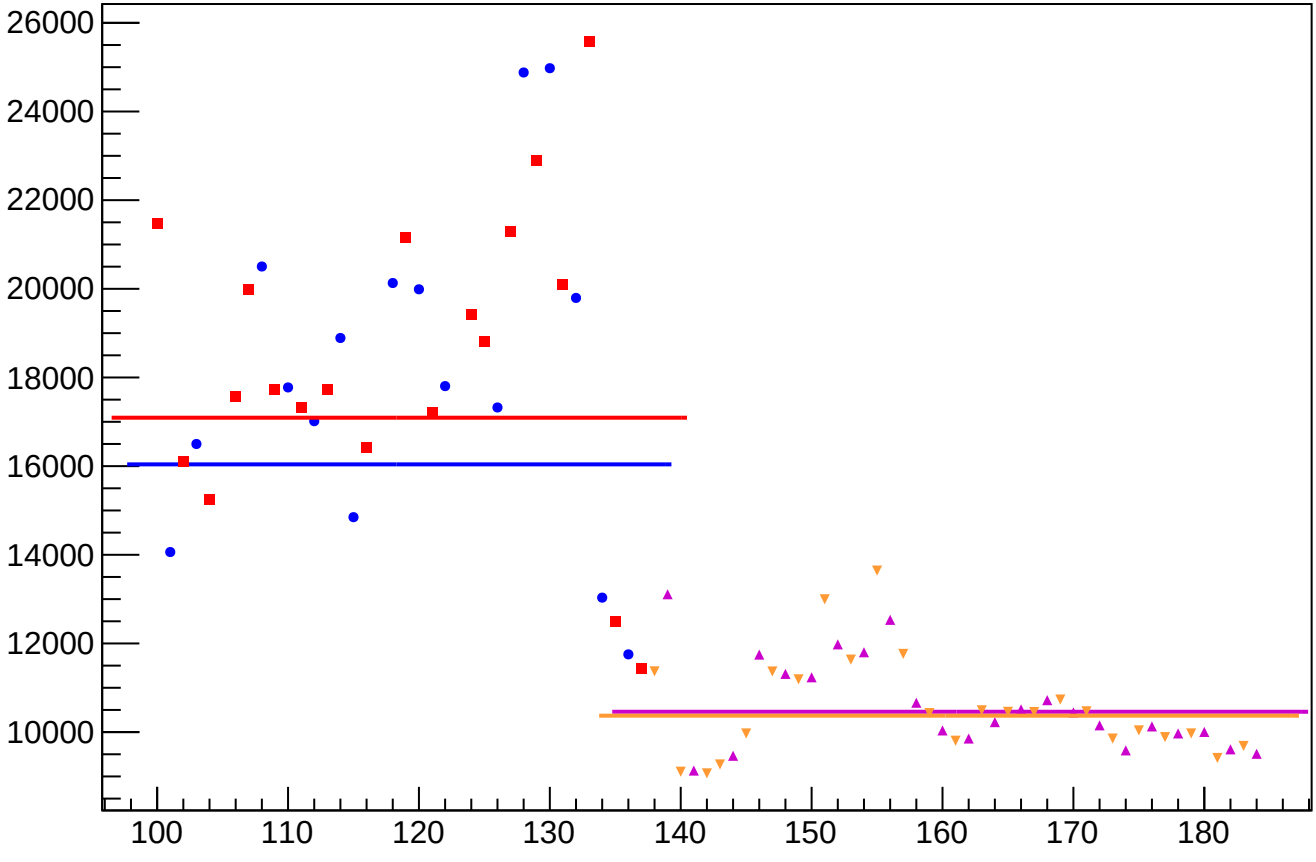
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.156+/-2.227 χ^2/NDF: 81.9/39

All: -6.909+/-1.598 χ^2/NDF: 135.8/81

- sign -2.407+/-2.293 χ^2/NDF: 46.5/41

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

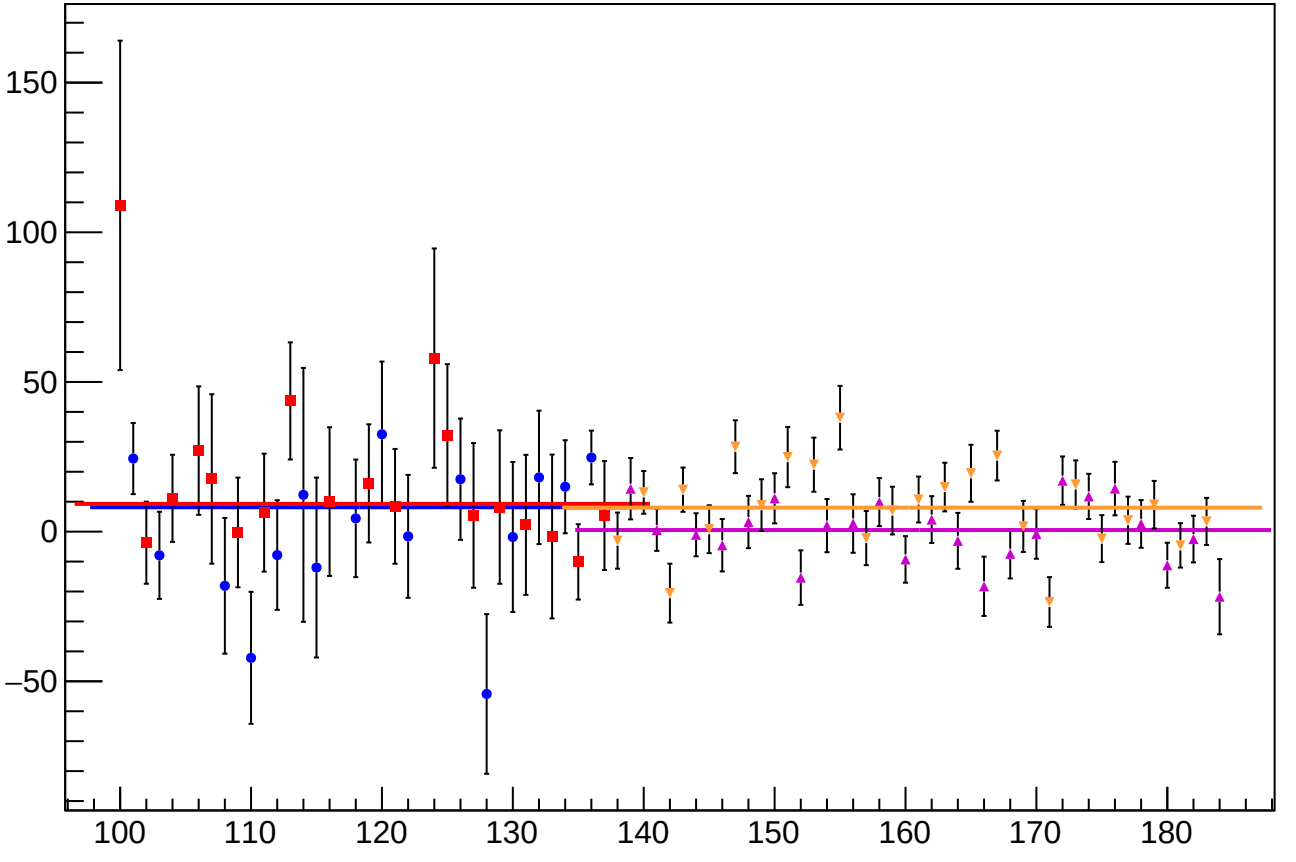
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11113.073+/-1.575 χ^2/NDF: 2557140.5/39

All: 11211.297+/-1.130 χ^2/NDF: 5297172.6/8

- sign 11315.394+/-1.621 χ^2/NDF: 2732020.5/41

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

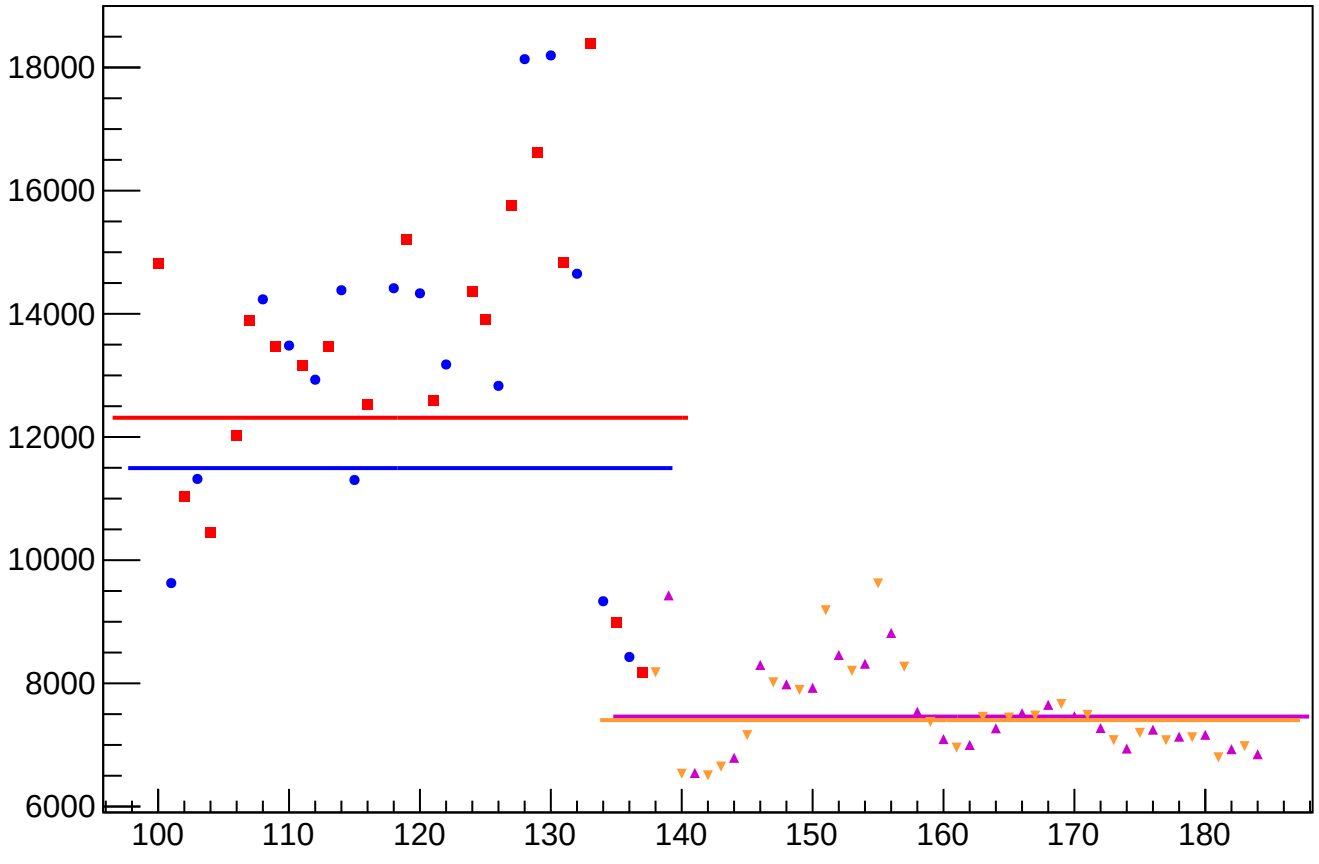
Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 8.034+/-1.591 χ^2/NDF: 81.3/39

All: 4.928+/-1.141 χ^2/NDF: 135.6/81

- sign 1.636+/-1.638 χ^2/NDF: 46.5/41



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7403.288+/-1.205 χ^2/NDF:321878.5/23

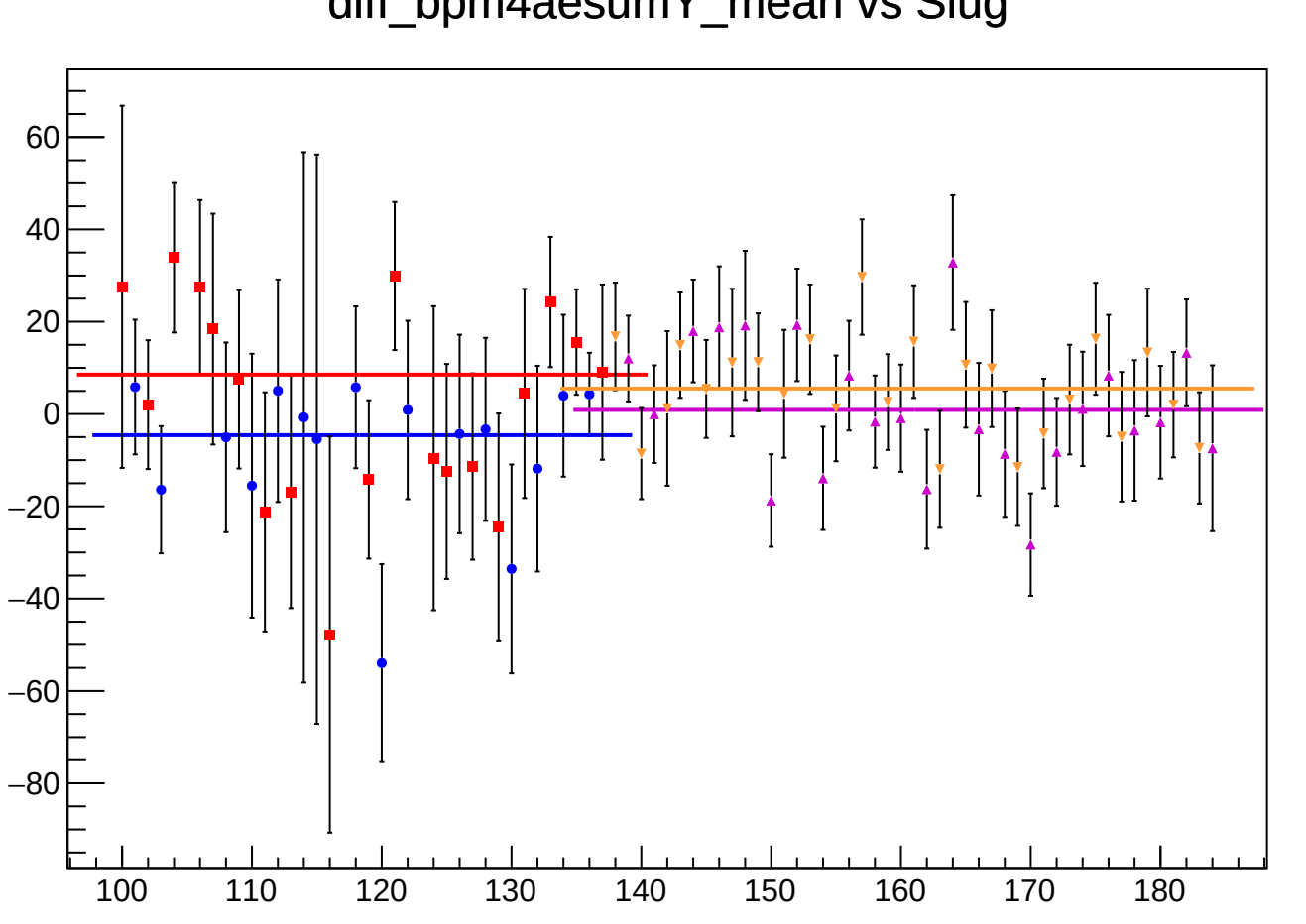
Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 7932.529+/-1.125 χ^2/NDF: 2602186.7/39

All: 8001.095+/-0.807 χ^2/NDF: 5430377.0/81

- sign 8073.764+/-1.158 χ^2/NDF: 2820535.6/41



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

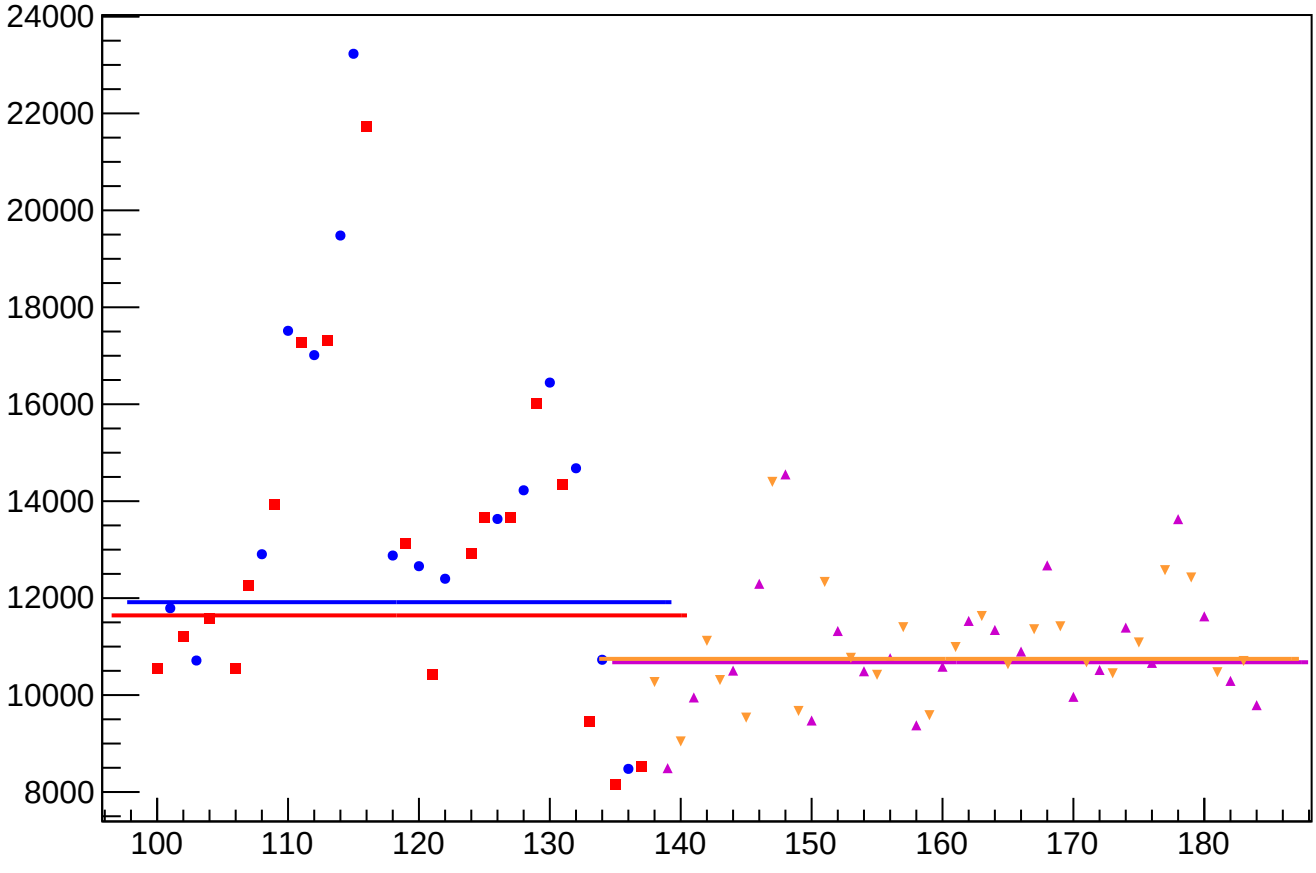
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.215+/-2.177 χ^2/NDF: 31.2/39

All: 3.000+/-1.542 χ^2/NDF: 82.5/81

- sign 2.783+/-2.185 χ^2/NDF: 51.3/41

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

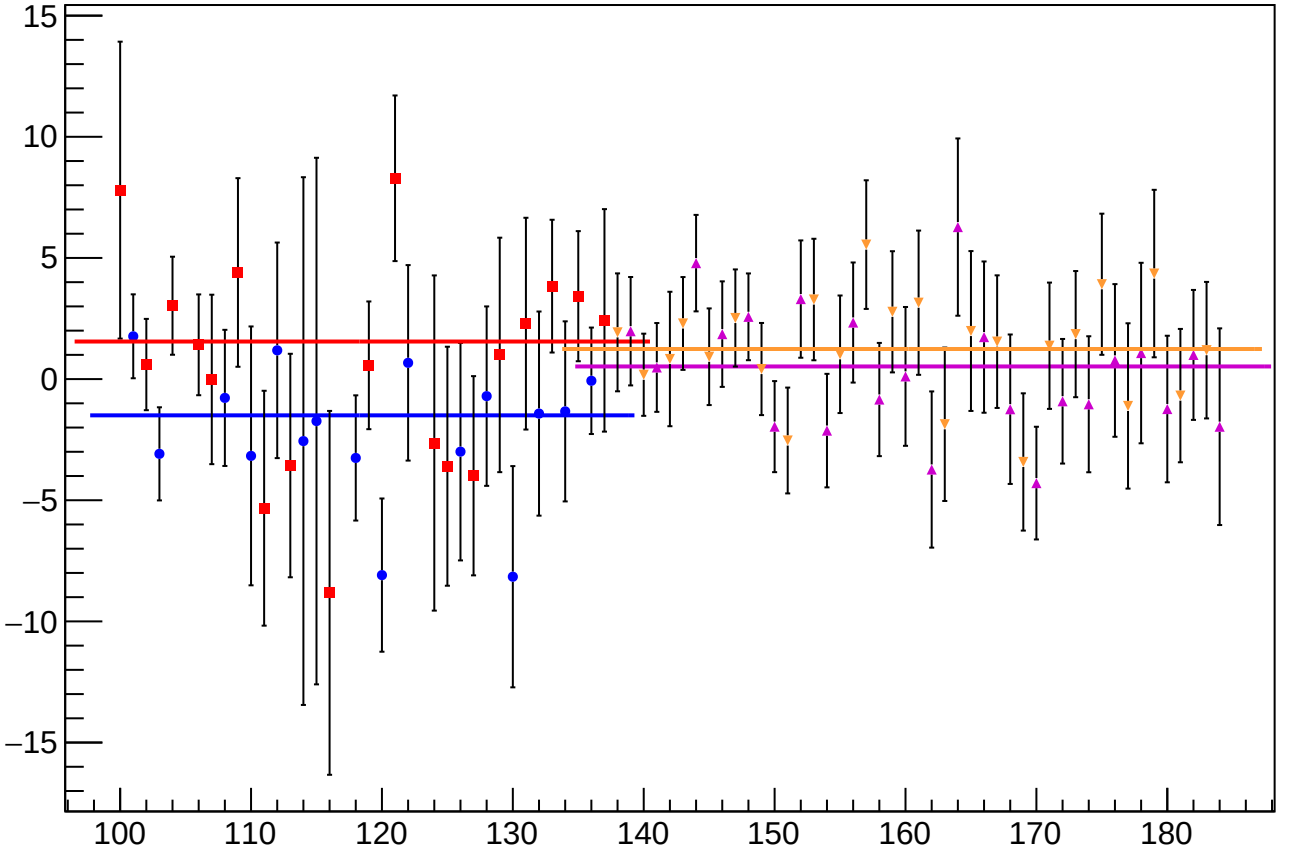
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

\+ sign 11014.203+/-1.539 χ^2/NDF: 1216220.4/39

All: 10965.419+/-1.090 χ^2/NDF: 2582043.4/8

\- sign 10916.287+/-1.545 χ^2/NDF: 1363807.5/41

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

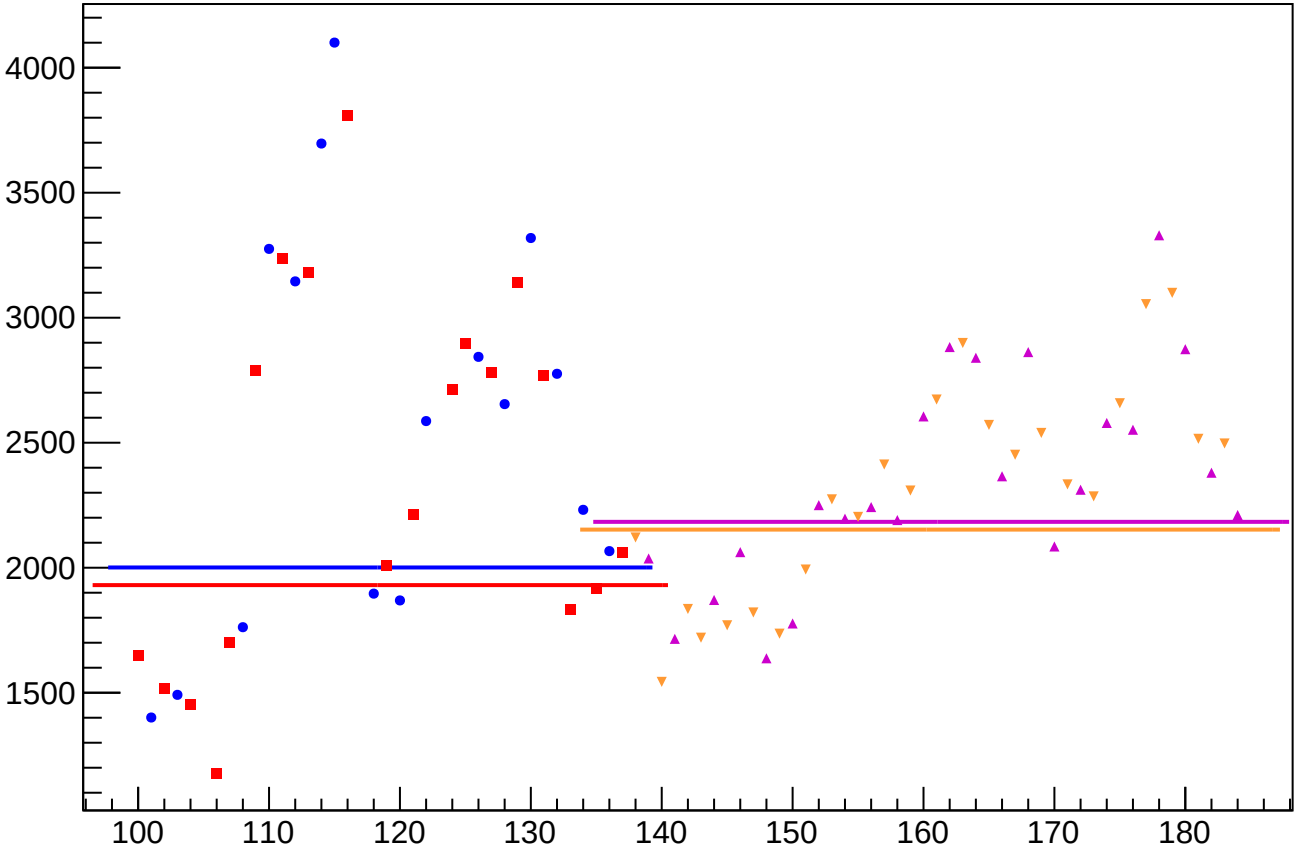
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.433+/-0.423 χ^2/NDF: 36.2/39

All: 0.645+/-0.300 χ^2/NDF: 76.6/81

- sign 0.859+/-0.426 χ^2/NDF: 39.9/41

diff_bpm4aediffY_rms vs Slug



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

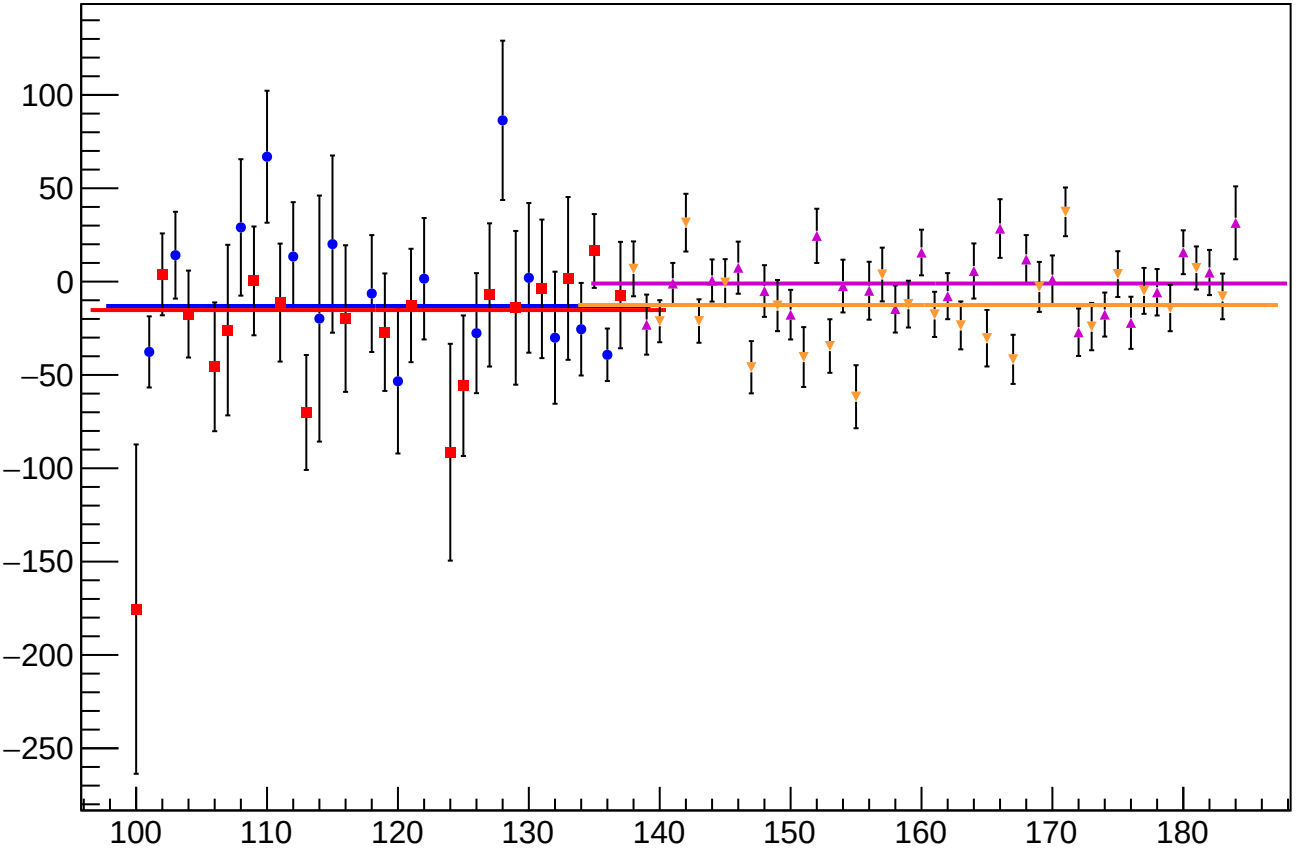
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2107.733+/-0.299 χ^2/NDF: 2592434.7/39

All: 2104.166+/-0.212 χ^2/NDF: 5313852.7/81

- sign 2100.544+/-0.301 χ^2/NDF: 2721131.2/41

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

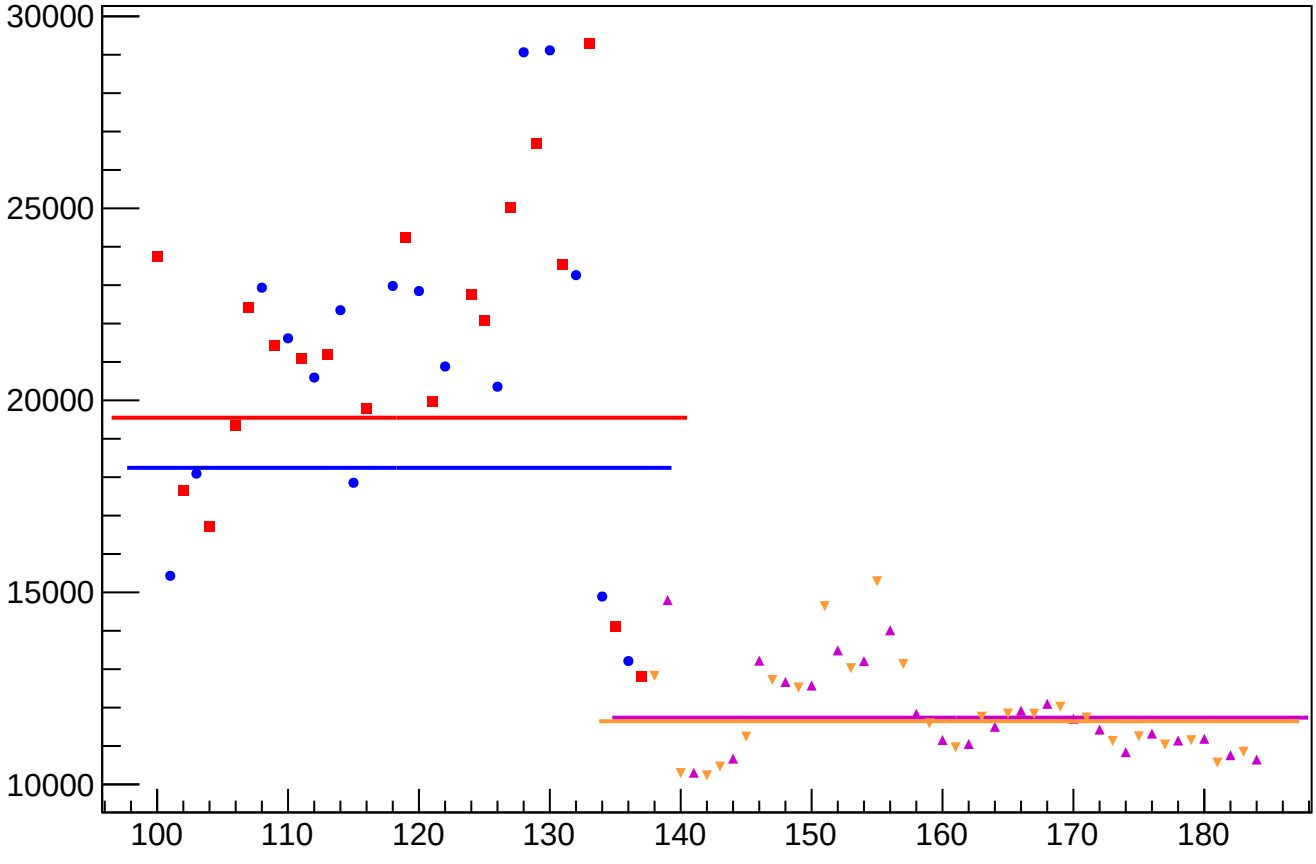
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.605+/-2.506 χ^2/NDF: 83.1/39

All: -7.842+/-1.798 χ^2/NDF: 137.0/81

- sign -2.792+/-2.581 χ^2/NDF: 46.5/41

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

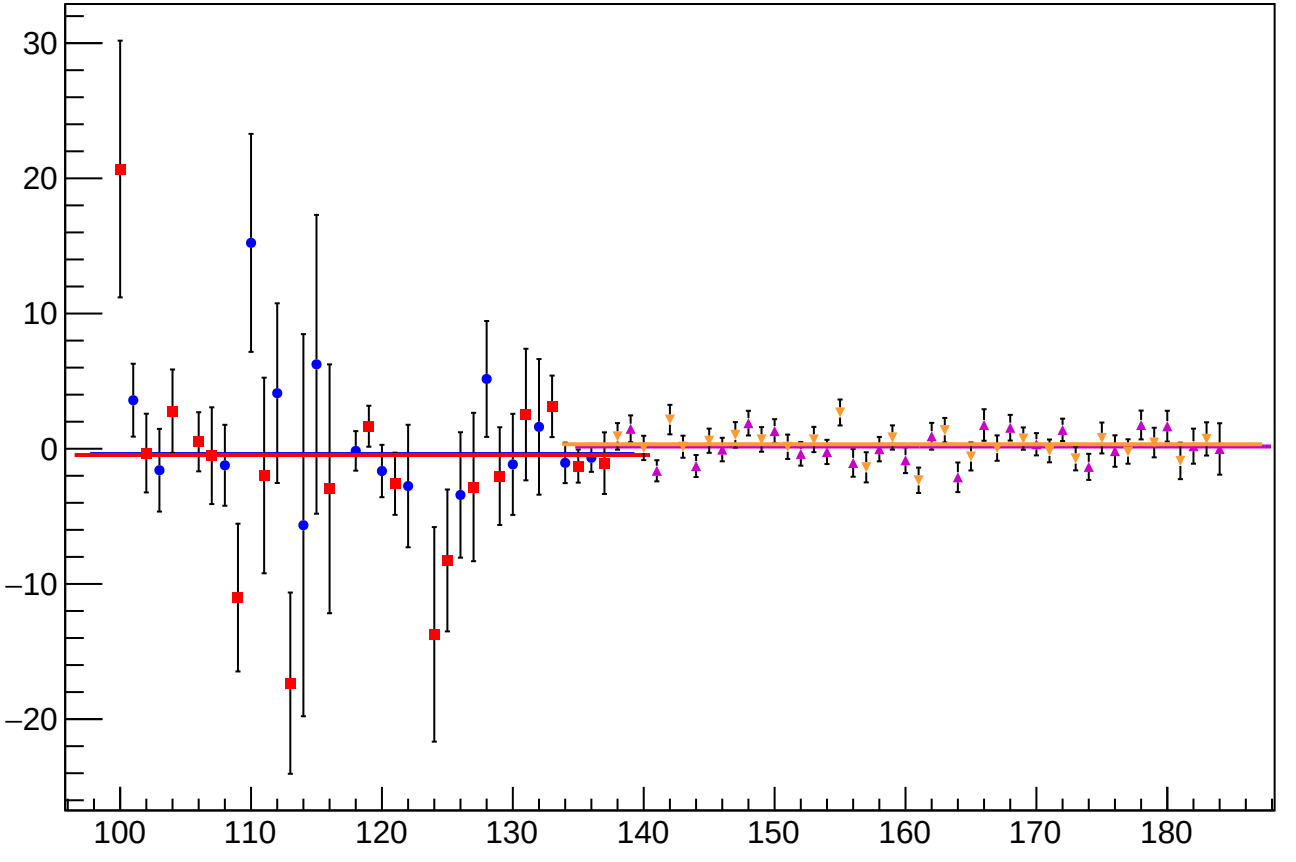
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12484.397+/-1.772 χ^2/NDF: 2711419.9/39

All: 12593.331+/-1.271 χ^2/NDF: 5647944.1/8

- sign 12708.831+/-1.825 χ^2/NDF: 2928738.9/41

diff_bpmtargetdiffX_mean vs Slug



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

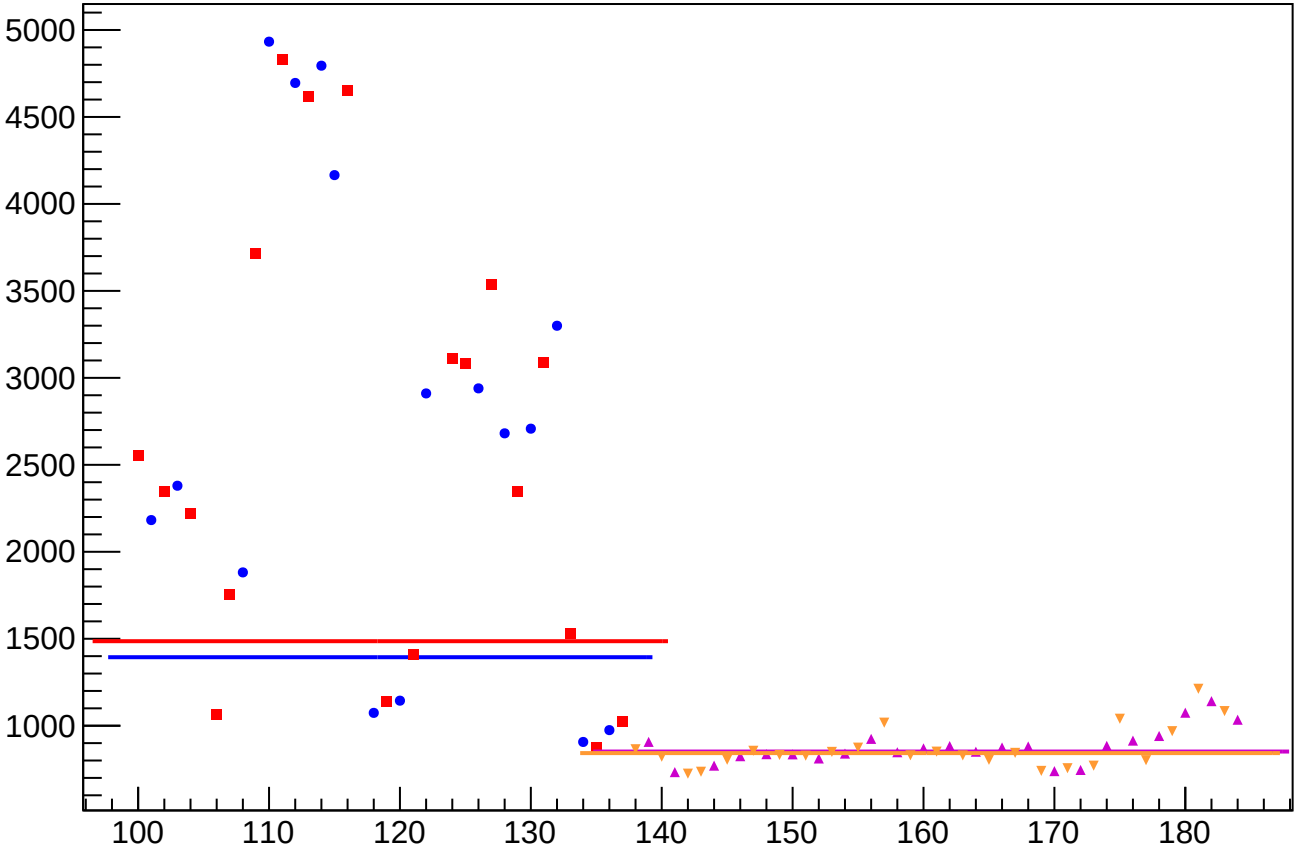
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.264+/-0.185 χ^2/NDF: 38.3/39

All: 0.189+/-0.133 χ^2/NDF: 104.0/81

- sign 0.108+/-0.191 χ^2/NDF: 65.3/41

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

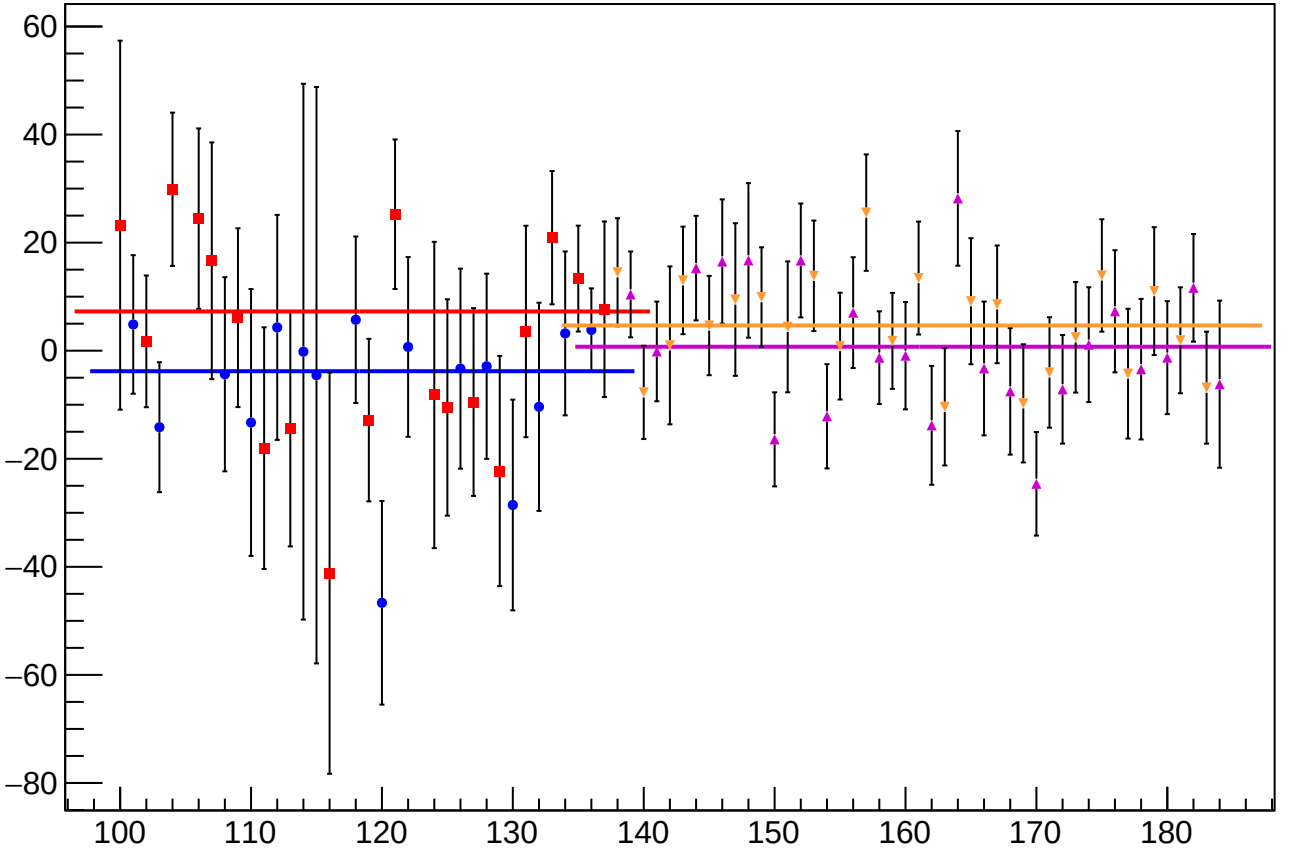
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 895.251+/-0.131 χ^2/NDF: 5410930.3/39

All: 902.147+/-0.094 χ^2/NDF: 11018262.9/81

- sign 909.504+/-0.135 χ^2/NDF: 5601613.6/41

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

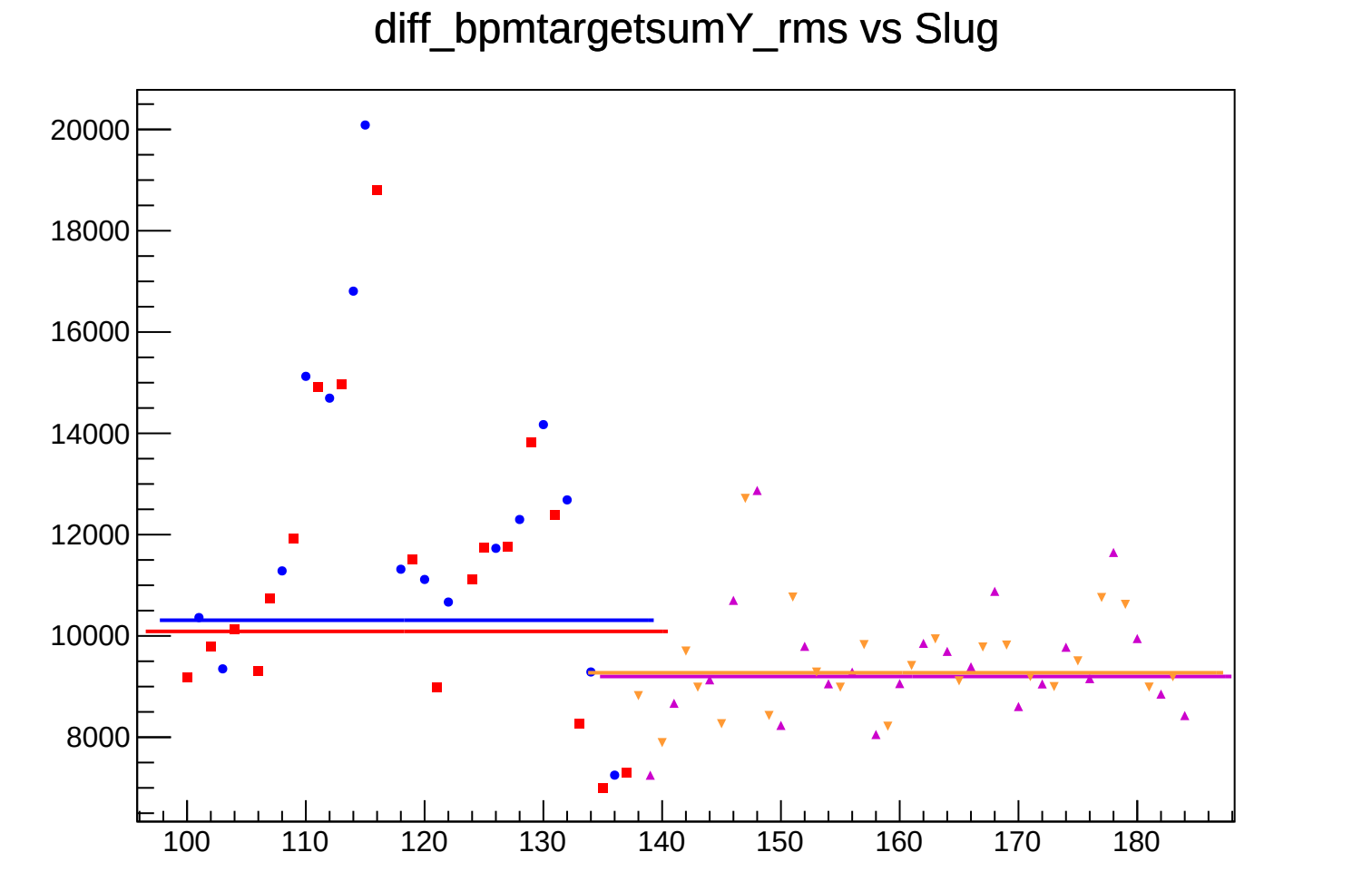
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

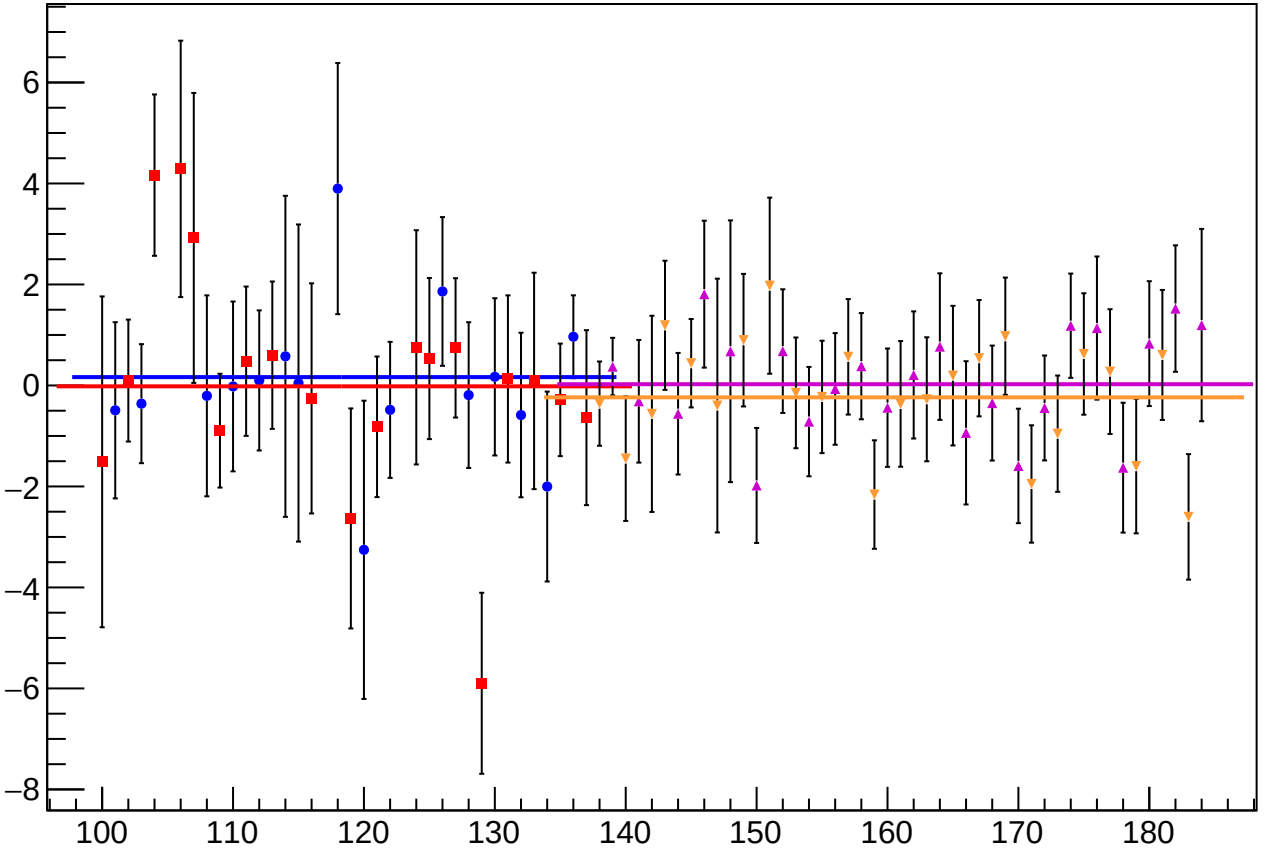
+ sign 2.751+/-1.880 χ^2/NDF: 31.0/39

All: 2.544+/-1.331 χ^2/NDF: 82.6/81

- sign 2.336+/-1.886 χ^2/NDF: 51.5/41


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: 9199.542+/-1.535 χ²/NDF:515496.8/22
+ sign 9508.751+/-1.329 χ²/NDF: 1239842.8/39
All: 9463.462+/-0.941 χ²/NDF: 2632955.4/81
- sign 9417.901+/-1.333 χ²/NDF: 1390784.3/41

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

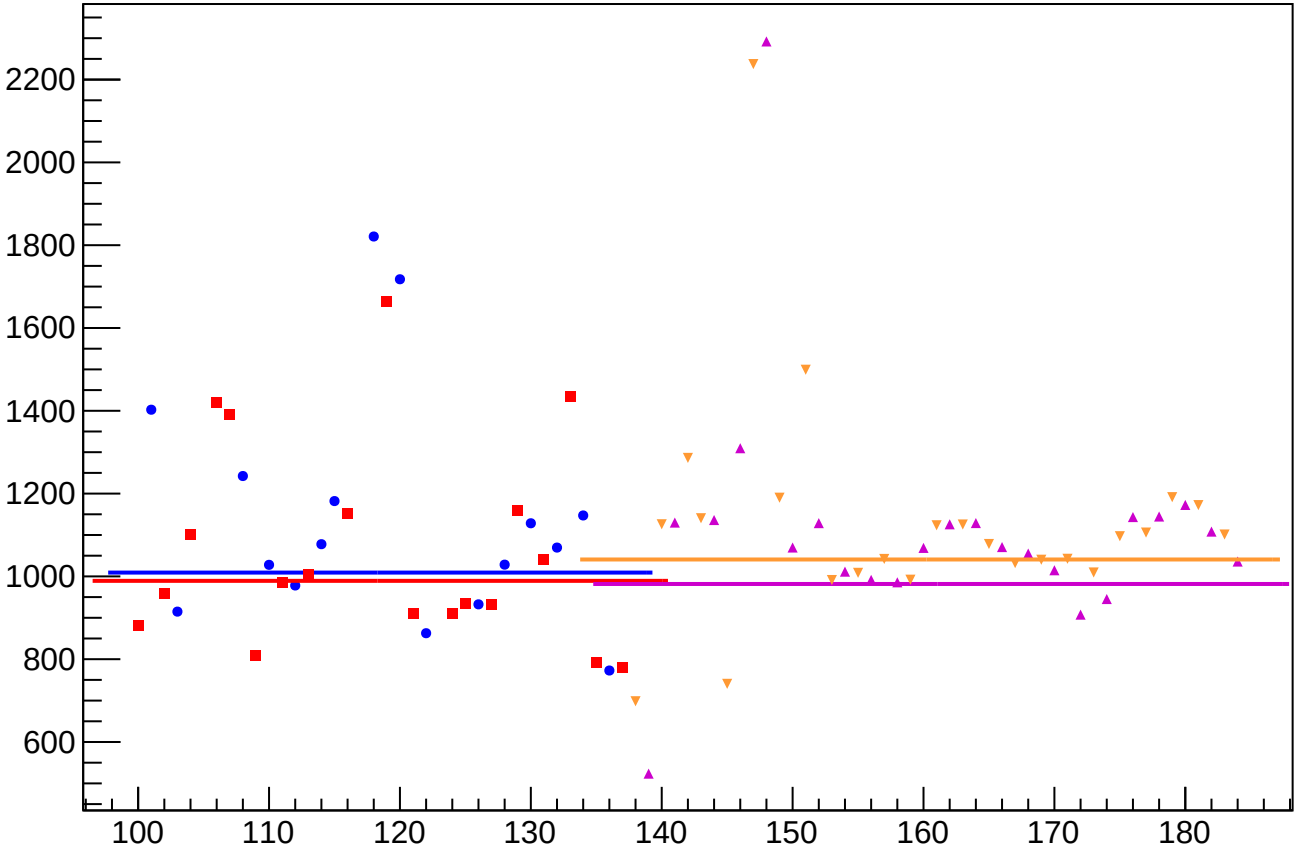
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

\+ sign -0.120+/-0.207 χ^2/NDF: 27.8/39

All: -0.052+/-0.144 χ^2/NDF: 68.4/81

\- sign 0.012+/-0.201 χ^2/NDF: 40.4/41

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

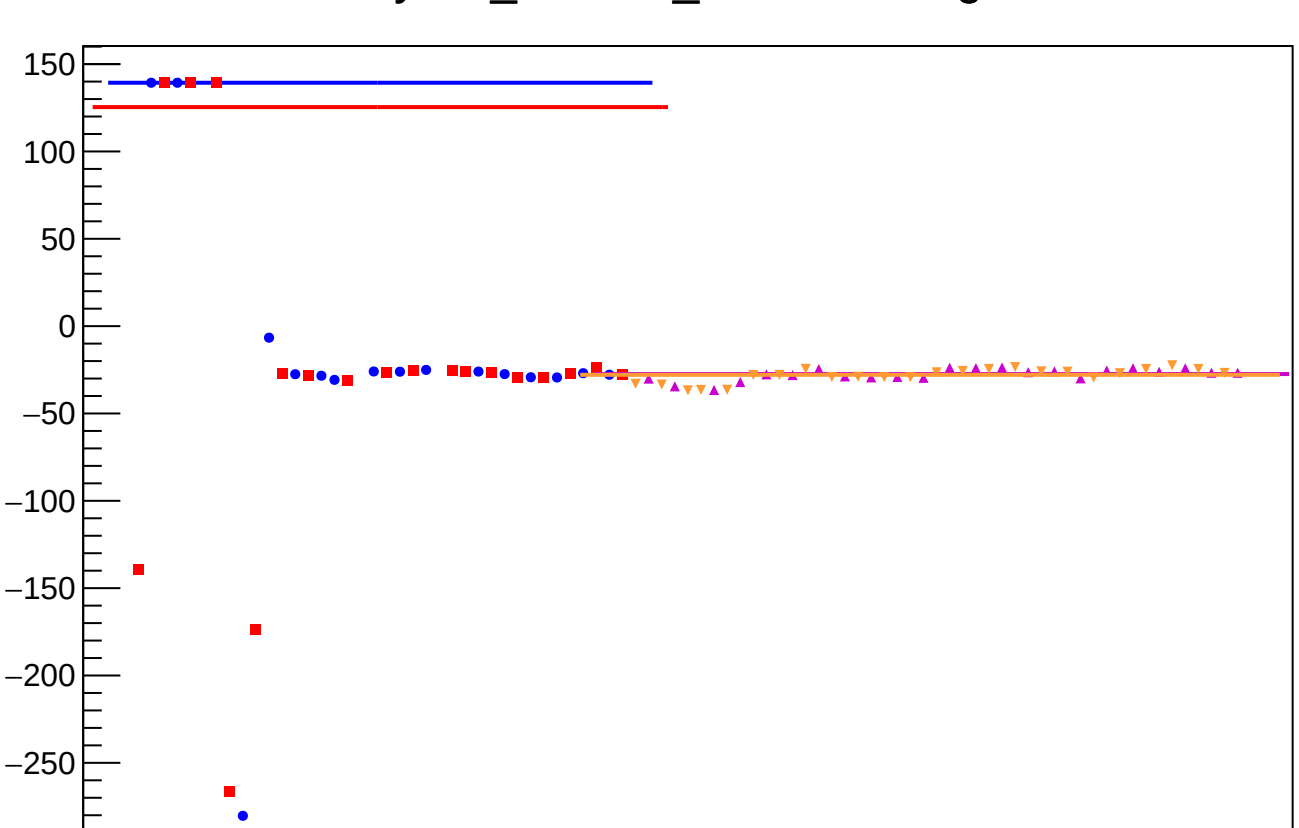
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 1031.747+/-0.147 χ^2/NDF: 2044613.0/39

All: 1007.113+/-0.102 χ^2/NDF: 4900982.3/81

- sign 983.888+/-0.142 χ^2/NDF: 2801439.7/41



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

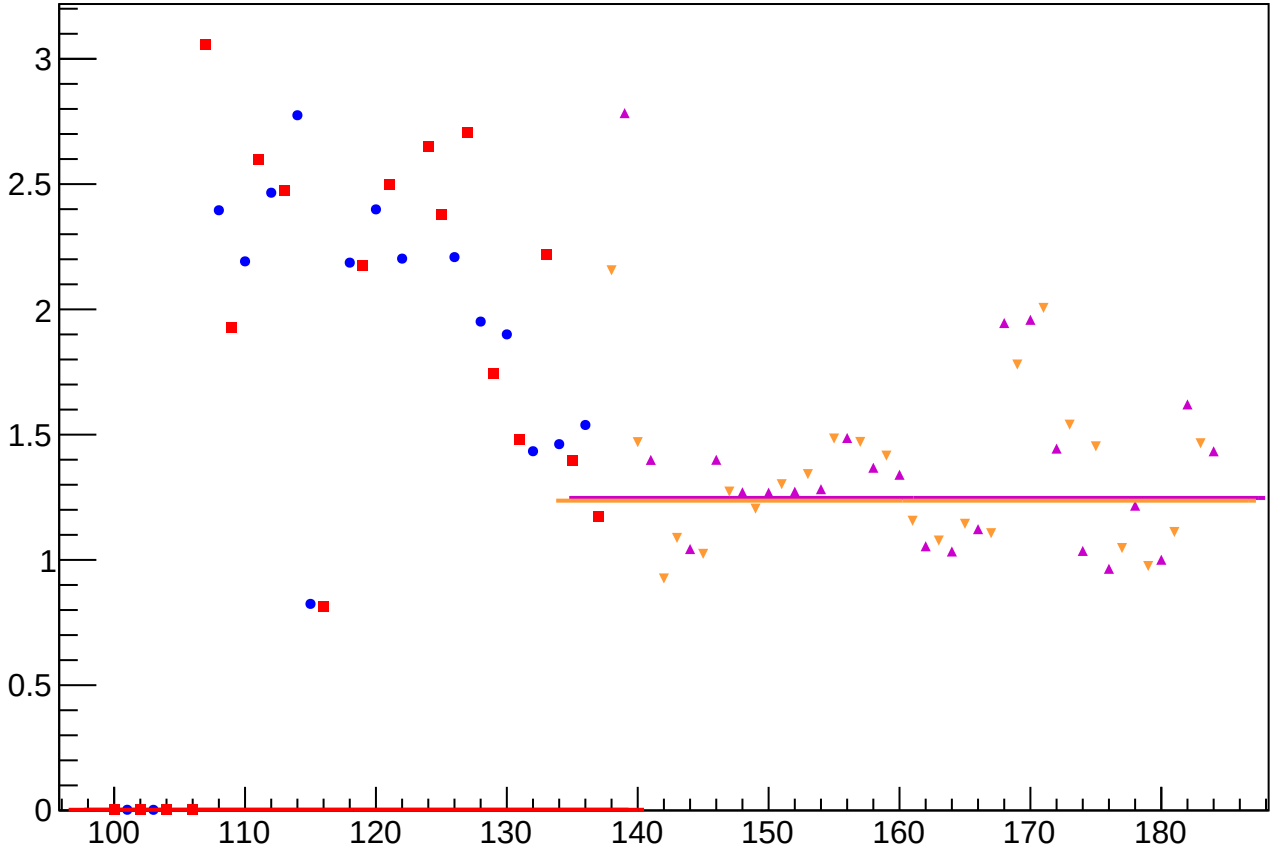
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.328+/-0.000 χ^2/NDF: 319865056196.1/3

All: 131.810+/-0.000 χ^2/NDF: 79348580224

- sign 125.385+/-0.000 χ^2/NDF: 774386773505497

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

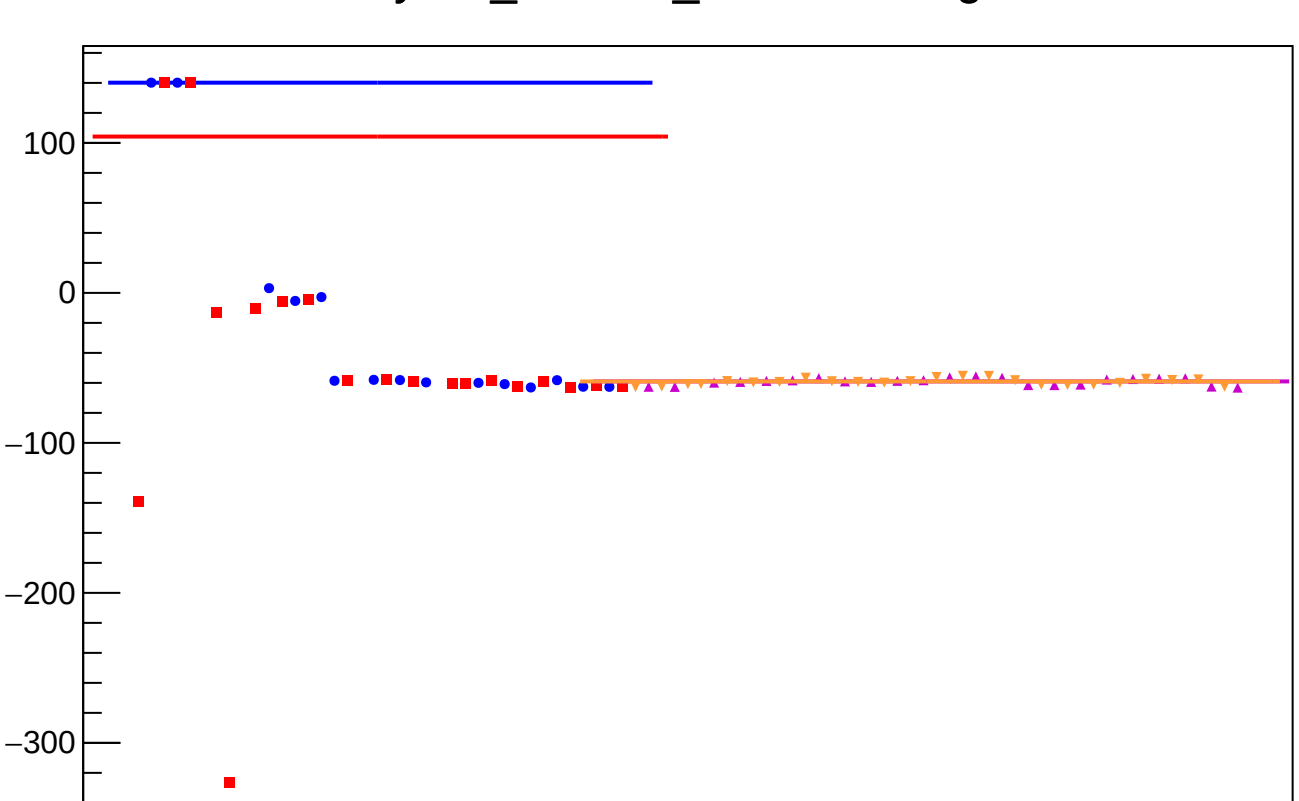
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 40429806.4/39

All: 0.003+/-0.000 χ^2/NDF: 79931335.7/81

- sign 0.003+/-0.000 χ^2/NDF: 39501160.7/41



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

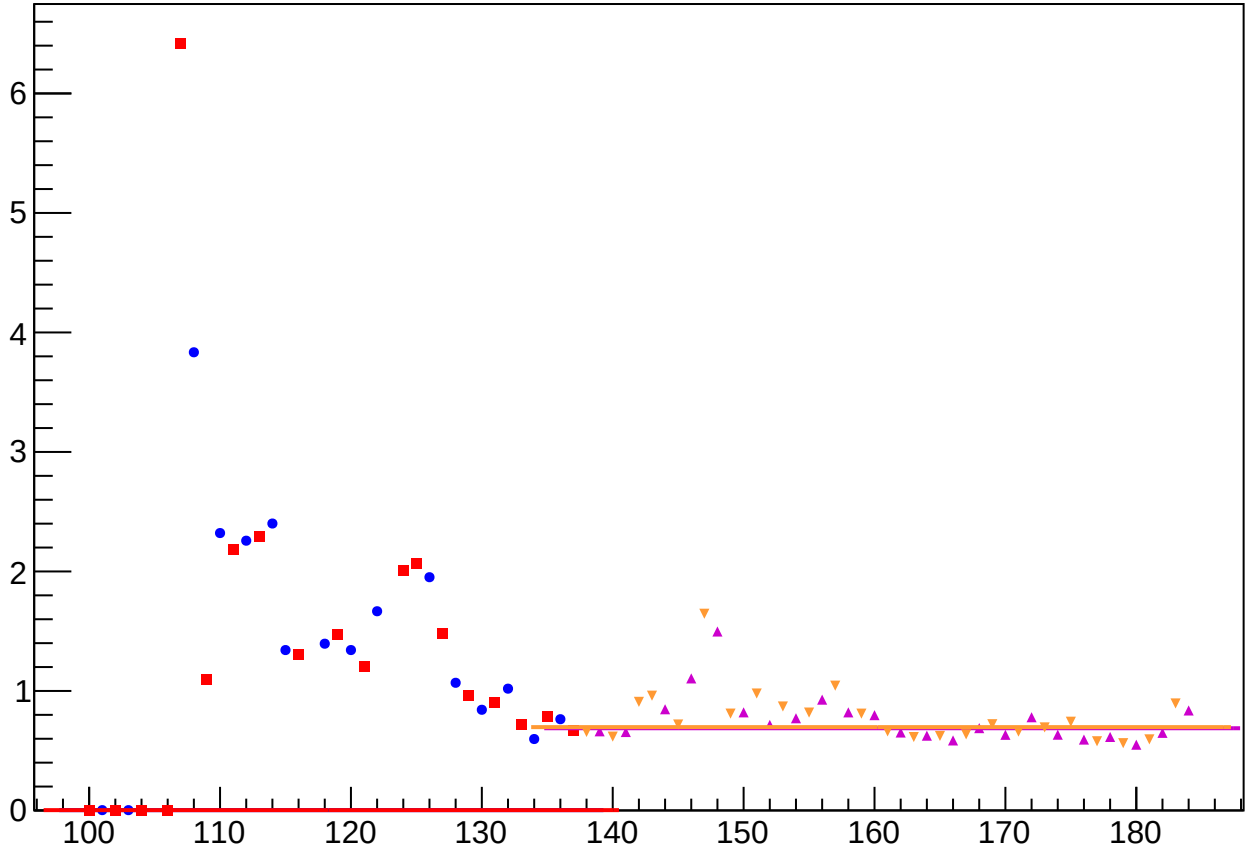
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.107+/-0.000 χ^2/NDF: 1471722719527.3

All: 120.801+/-0.000 χ^2/NDF: 13829833167

- sign 104.199+/-0.000 χ^2/NDF: 125825894756956

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

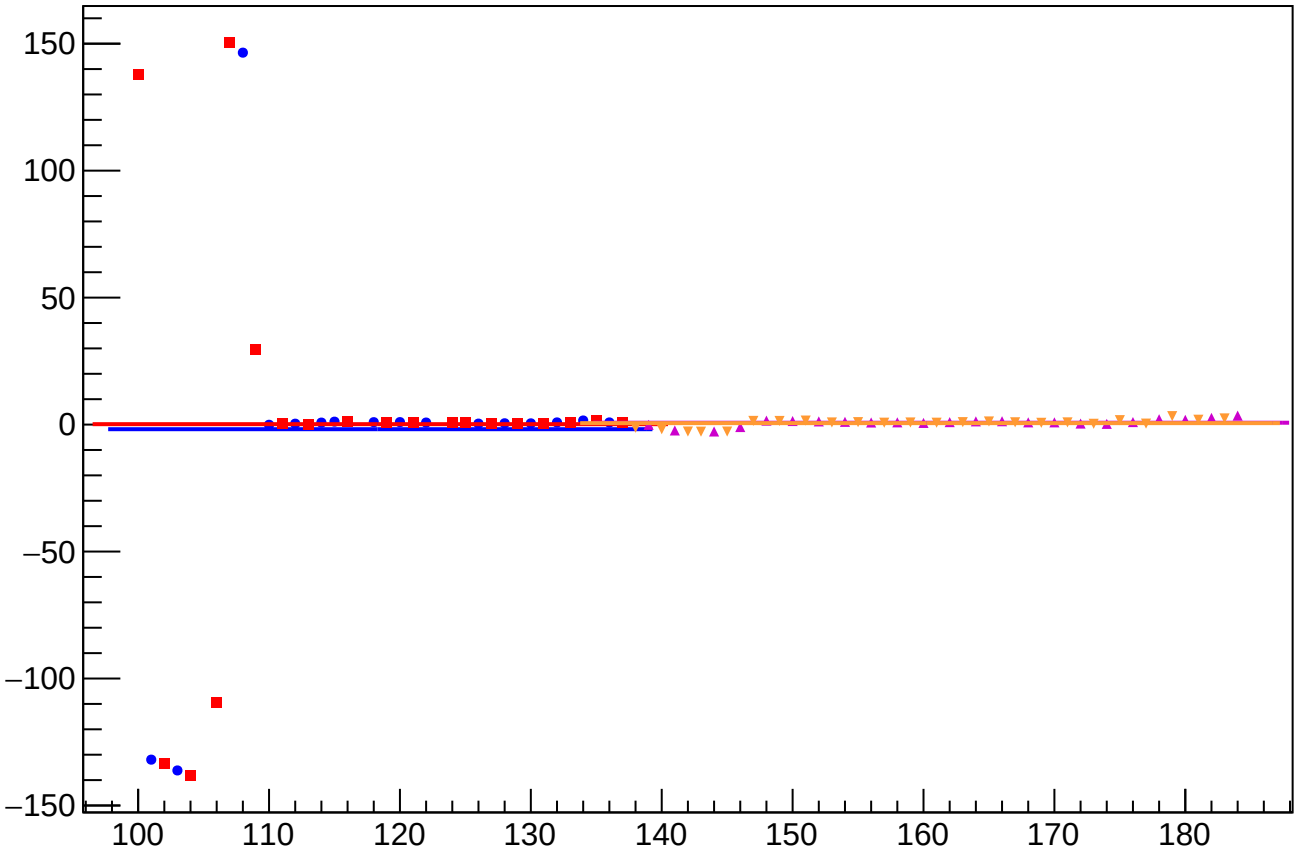
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 43153359.7/39

All: 0.003+/-0.000 χ^2/NDF: 84731229.1/81

- sign 0.003+/-0.000 χ^2/NDF: 41577337.0/41



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

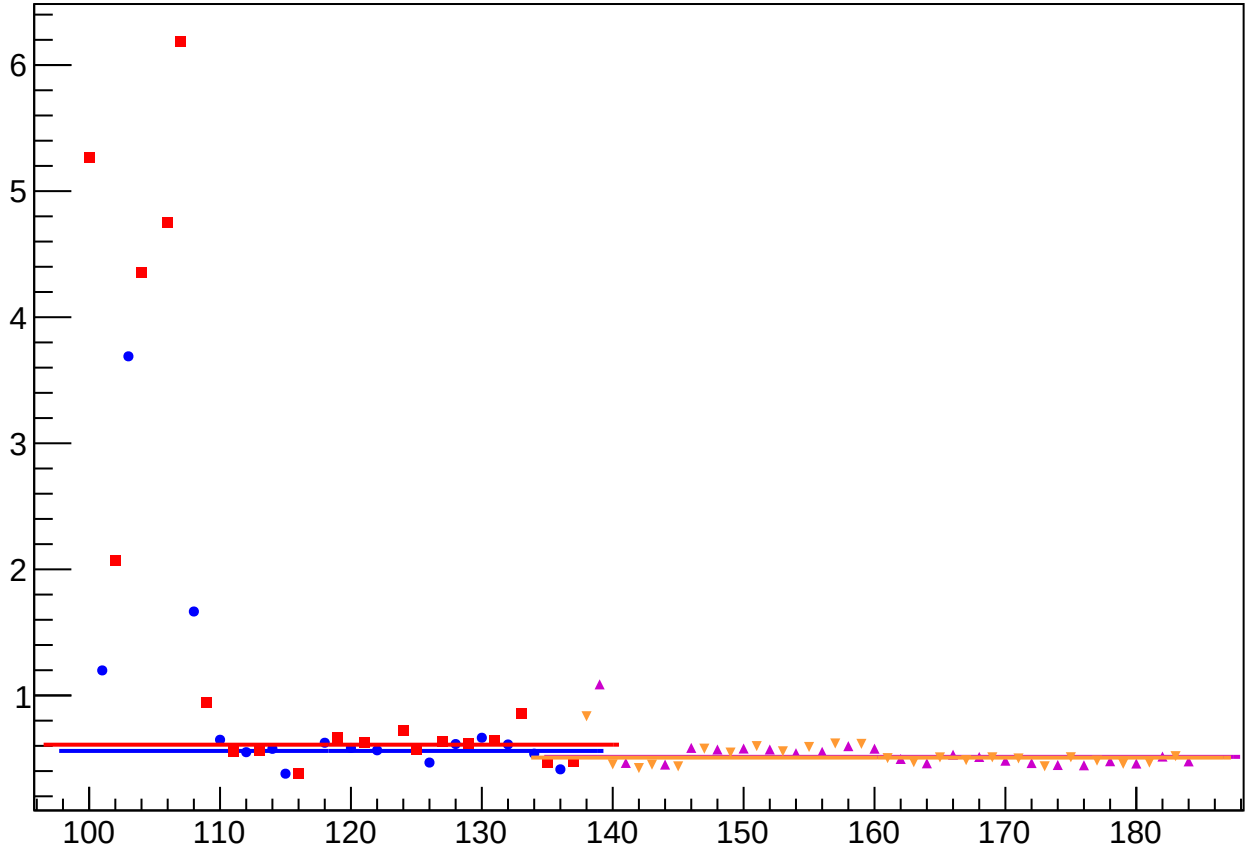
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.065+/-0.000 χ^2/NDF: 10114043463.9/39

All: 0.331+/-0.000 χ^2/NDF: 13845208125.4/8

- sign 0.623+/-0.000 χ^2/NDF: 3719860211.2/41

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

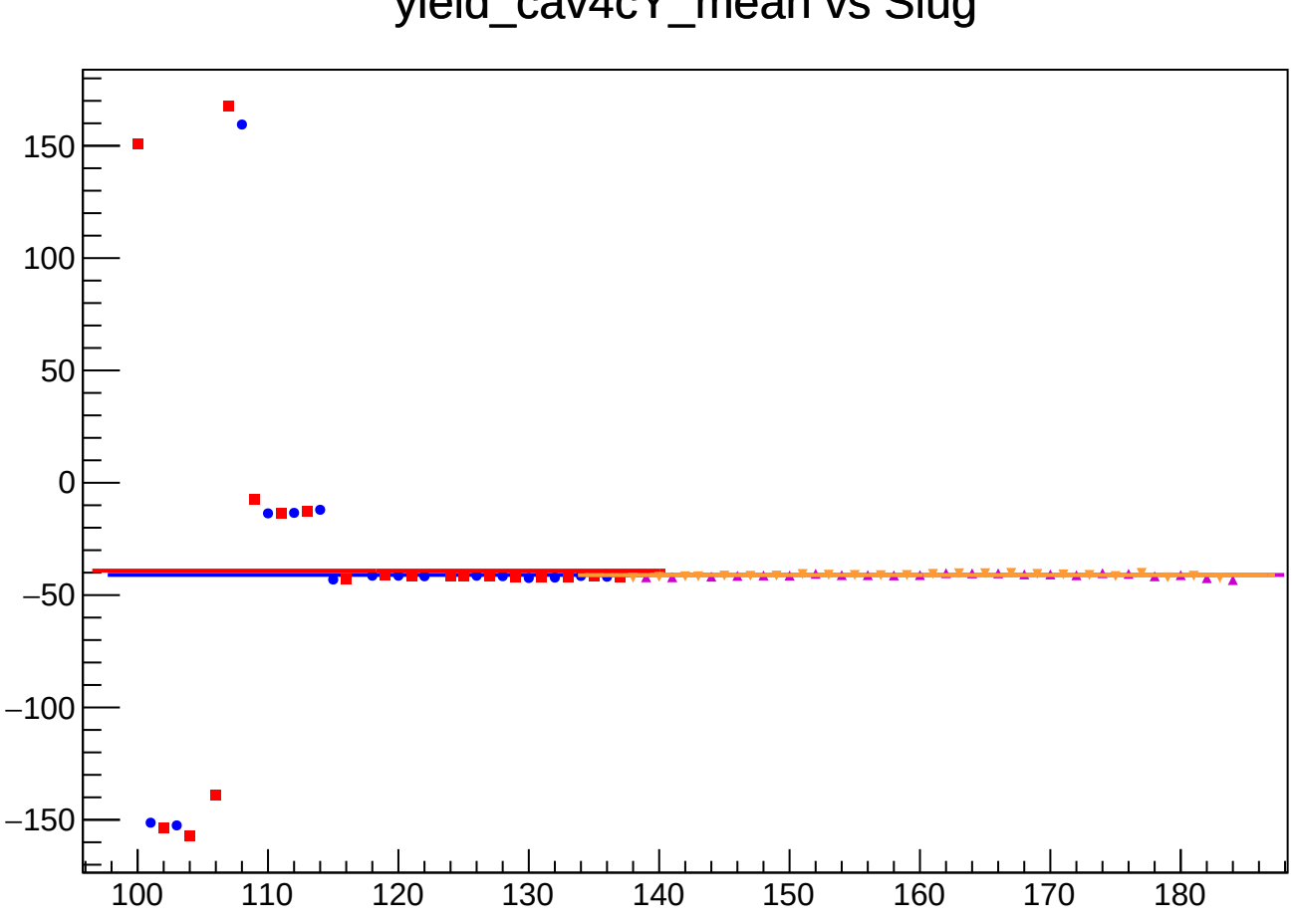
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.518+/-0.000 χ^2/NDF: 2223748.2/39

All: 0.525+/-0.000 χ^2/NDF: 5667083.8/81

- sign 0.531+/-0.000 χ^2/NDF: 3430772.2/41



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

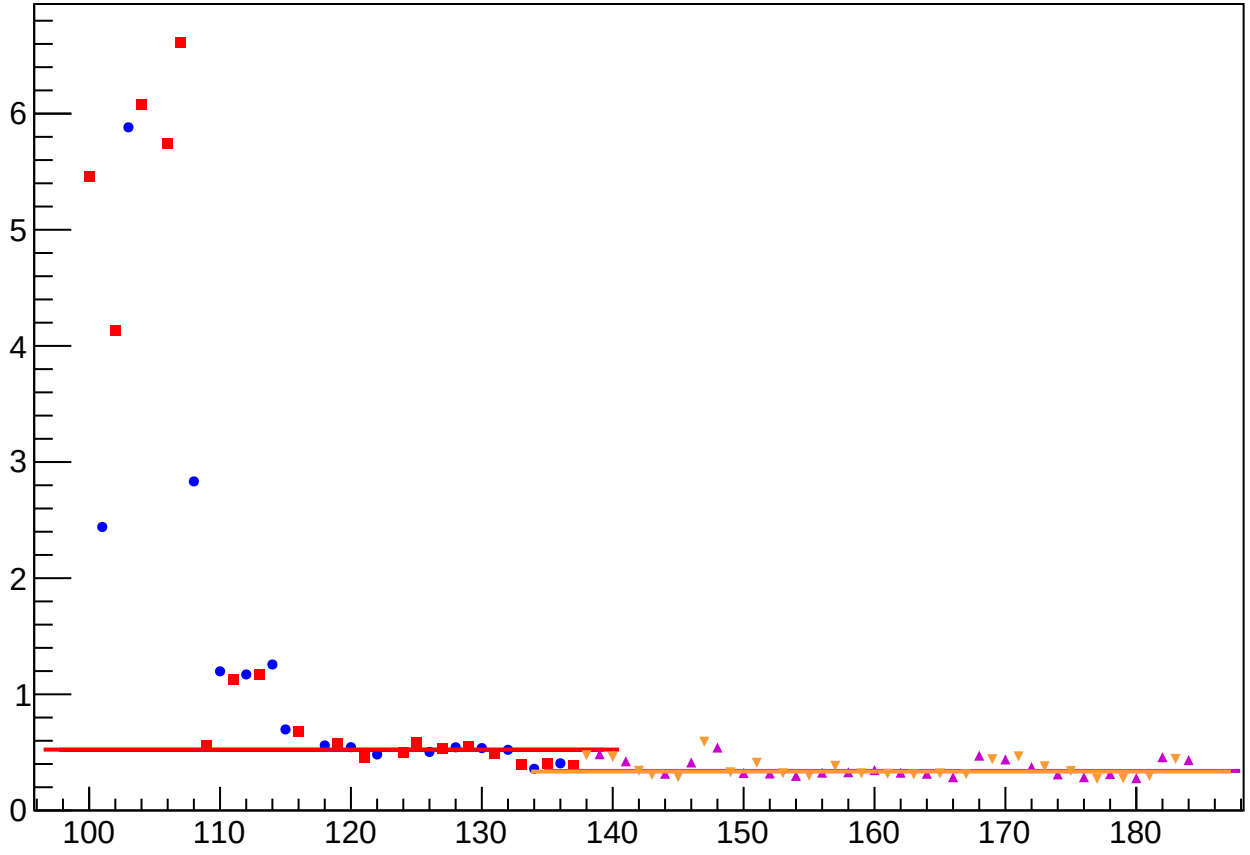
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -41.079+/-0.000 χ^2/NDF: 3509911951.4/39

All: -40.953+/-0.000 χ^2/NDF: 6106460231.3/

- sign -40.818+/-0.000 χ^2/NDF: 2590791335.4/41

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

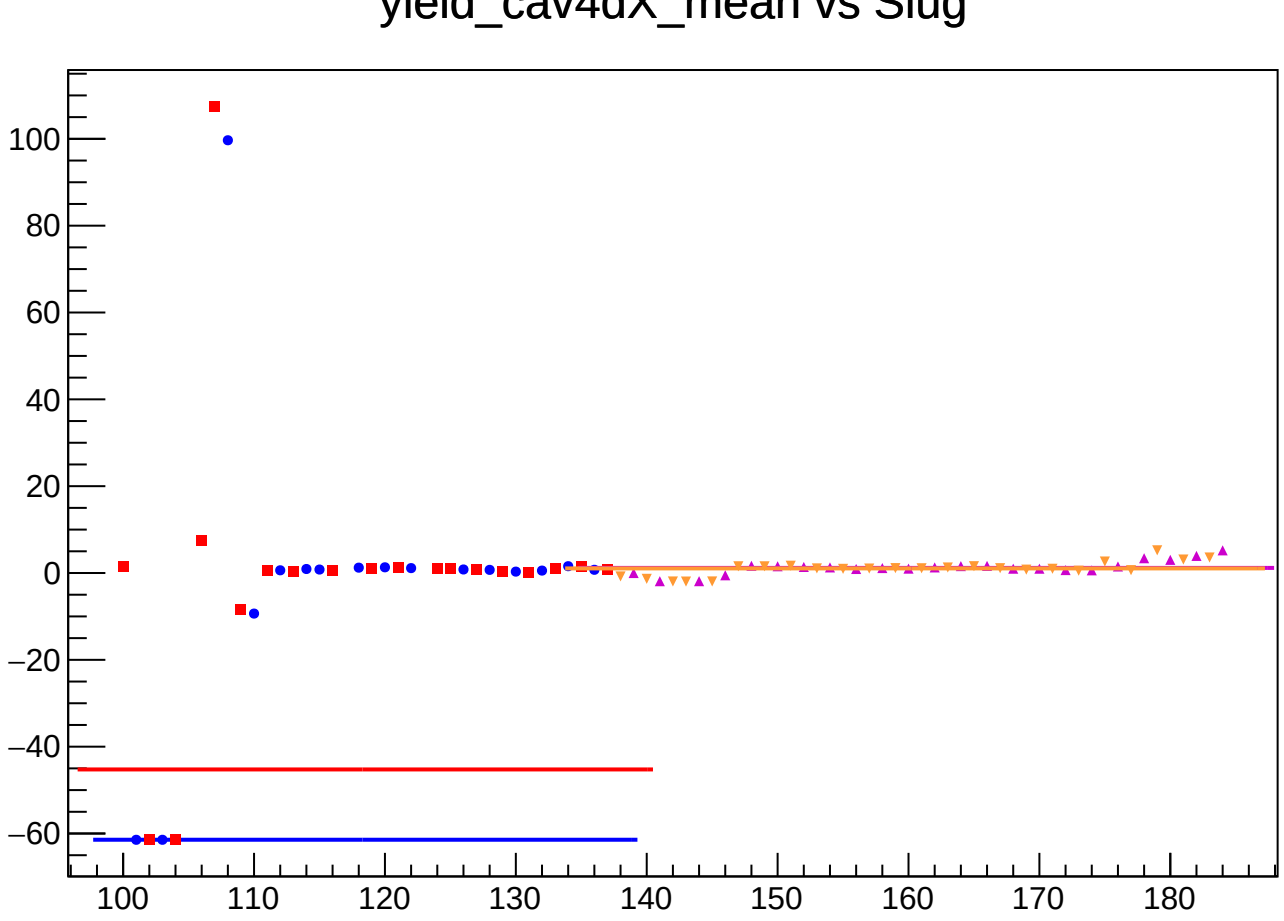
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.355+/-0.000 χ^2/NDF: 5317613.0/39

All: 0.357+/-0.000 χ^2/NDF: 10729507.0/81

- sign 0.360+/-0.000 χ^2/NDF: 5406205.1/41



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

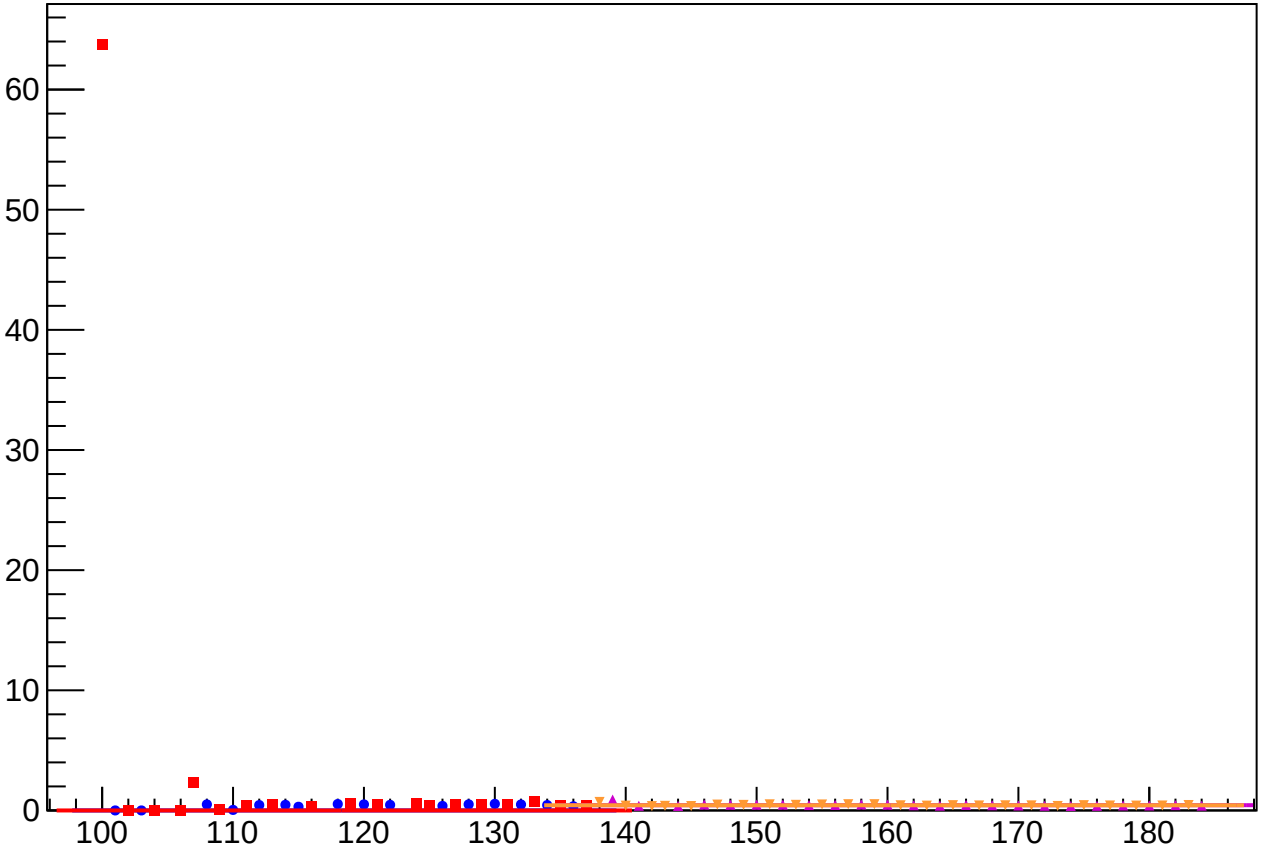
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.422+/-0.000 χ^2/NDF: 598330028815.3/3

All: -52.738+/-0.000 χ^2/NDF: 409587496088

- sign -45.237+/-0.000 χ^2/NDF: 358036894982618.

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

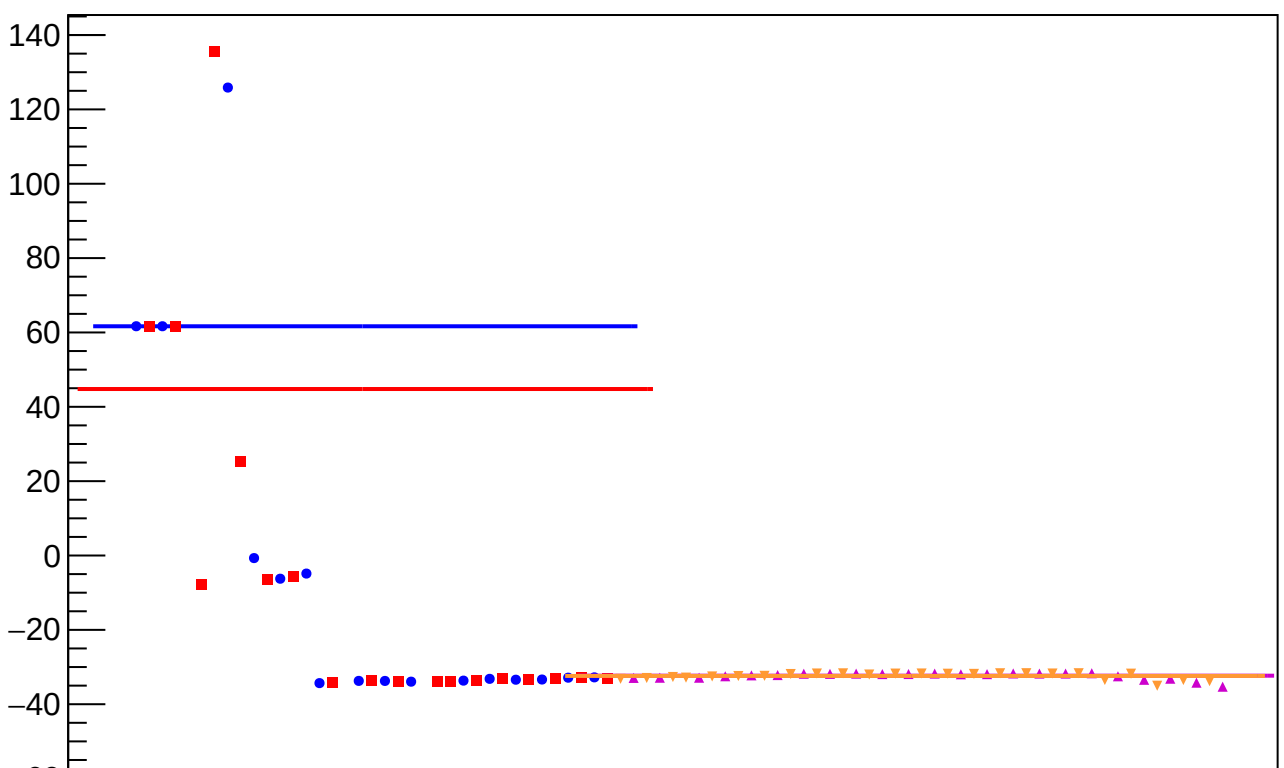
Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 40463751.6/39

All: 0.002+/-0.000 χ^2/NDF: 79952365.6/81

- sign 0.002+/-0.000 χ^2/NDF: 39488447.3/41

yield_cav4dY_mean vs Slug



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

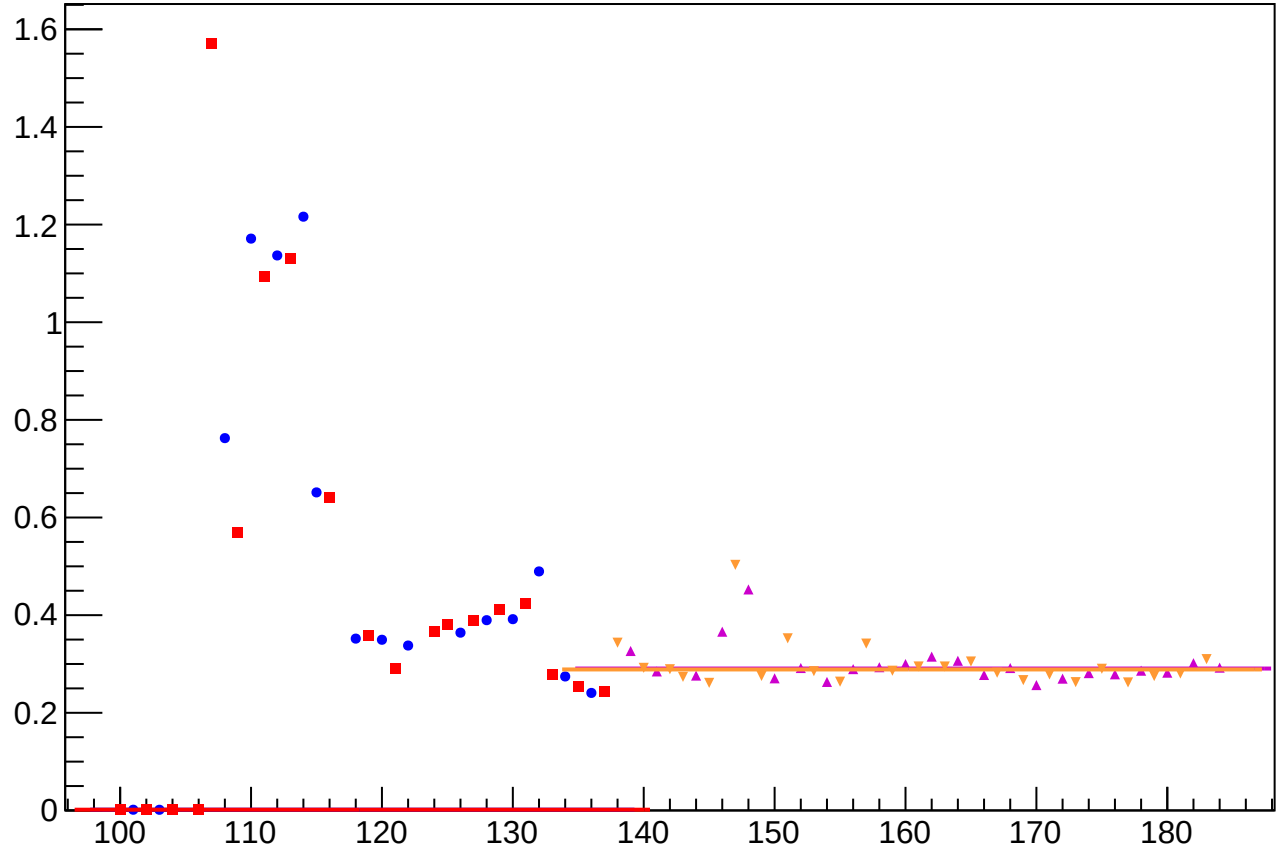
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.601+/-0.000 χ^2/NDF: 2295580372069.7/3

All: 52.638+/-0.000 χ^2/NDF: 420636602460

- sign 44.744+/-0.000 χ^2/NDF: 367322594558826.8

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

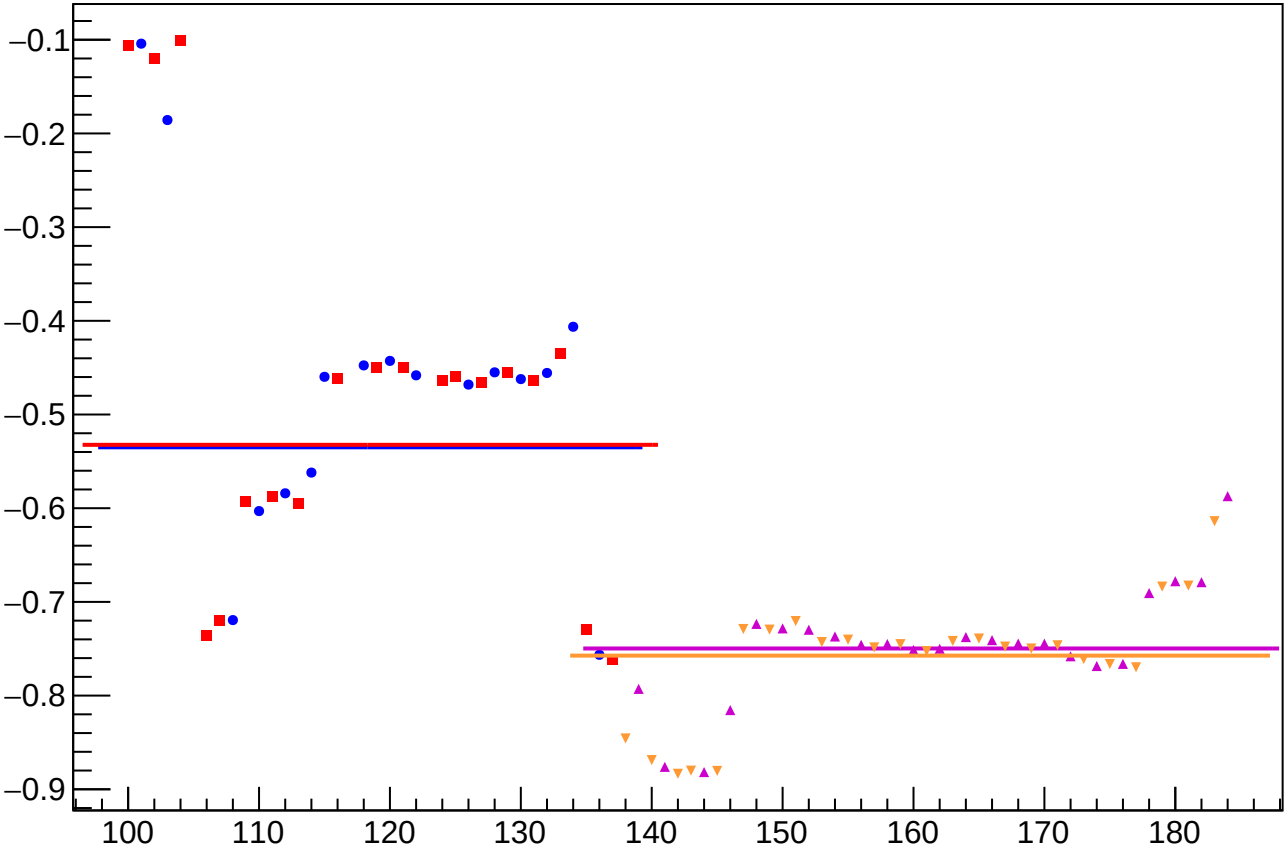
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 47480564.9/39

All: 0.002+/-0.000 χ^2/NDF: 92948208.3/81

- sign 0.002+/-0.000 χ^2/NDF: 45467602.6/41

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

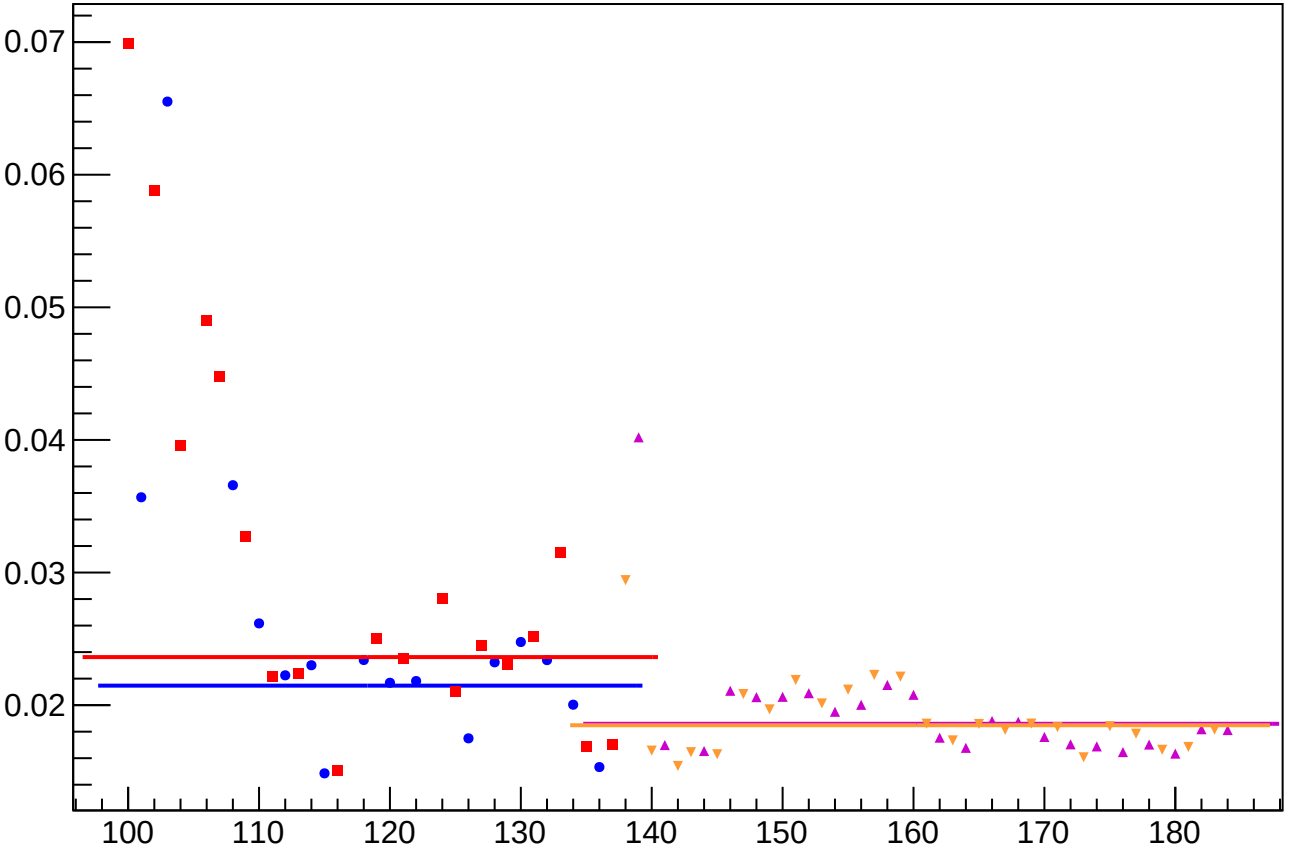
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.712+/-0.000 χ^2/NDF: 951551554.9/39

All: -0.710+/-0.000 χ^2/NDF: 1689126307.8/8

- sign -0.708+/-0.000 χ^2/NDF: 737256633.4/41

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

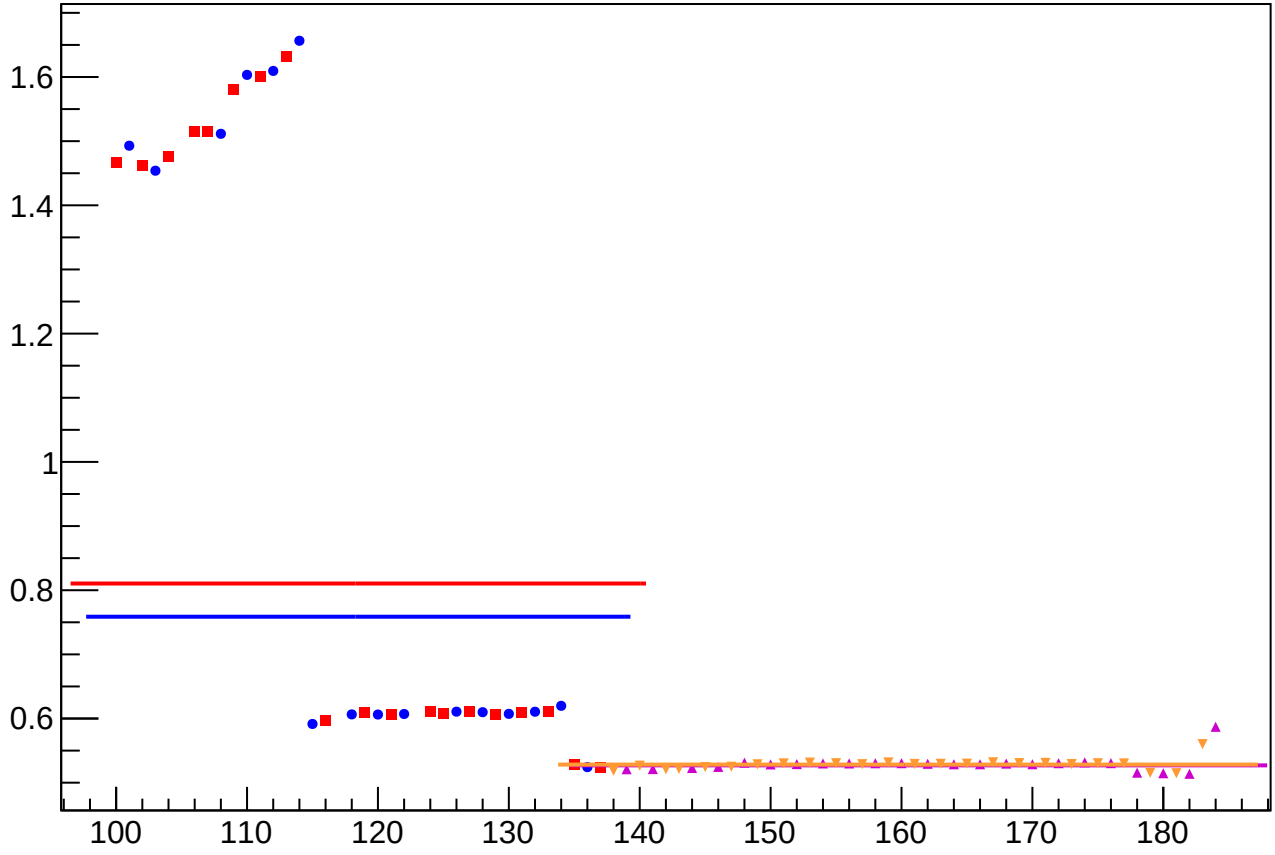
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1810579.9/39

All: 0.019+/-0.000 χ^2/NDF: 4247859.3/81

- sign 0.020+/-0.000 χ^2/NDF: 2425956.0/41

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

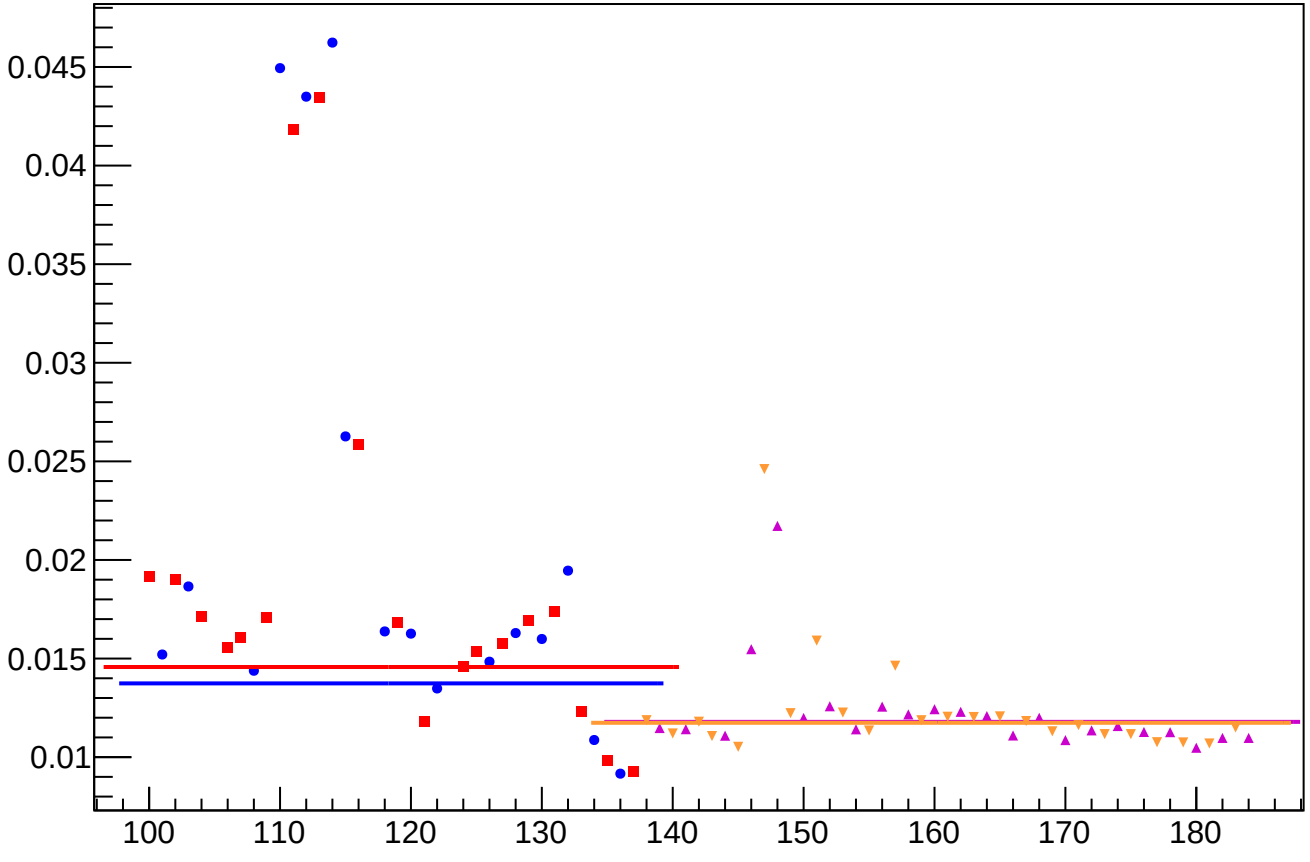
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.573+/-0.000 χ^2/NDF: 5667166439.3/39

All: 0.576+/-0.000 χ^2/NDF: 12370036060.1/8

- sign 0.580+/-0.000 χ^2/NDF: 6697835746.8/41

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

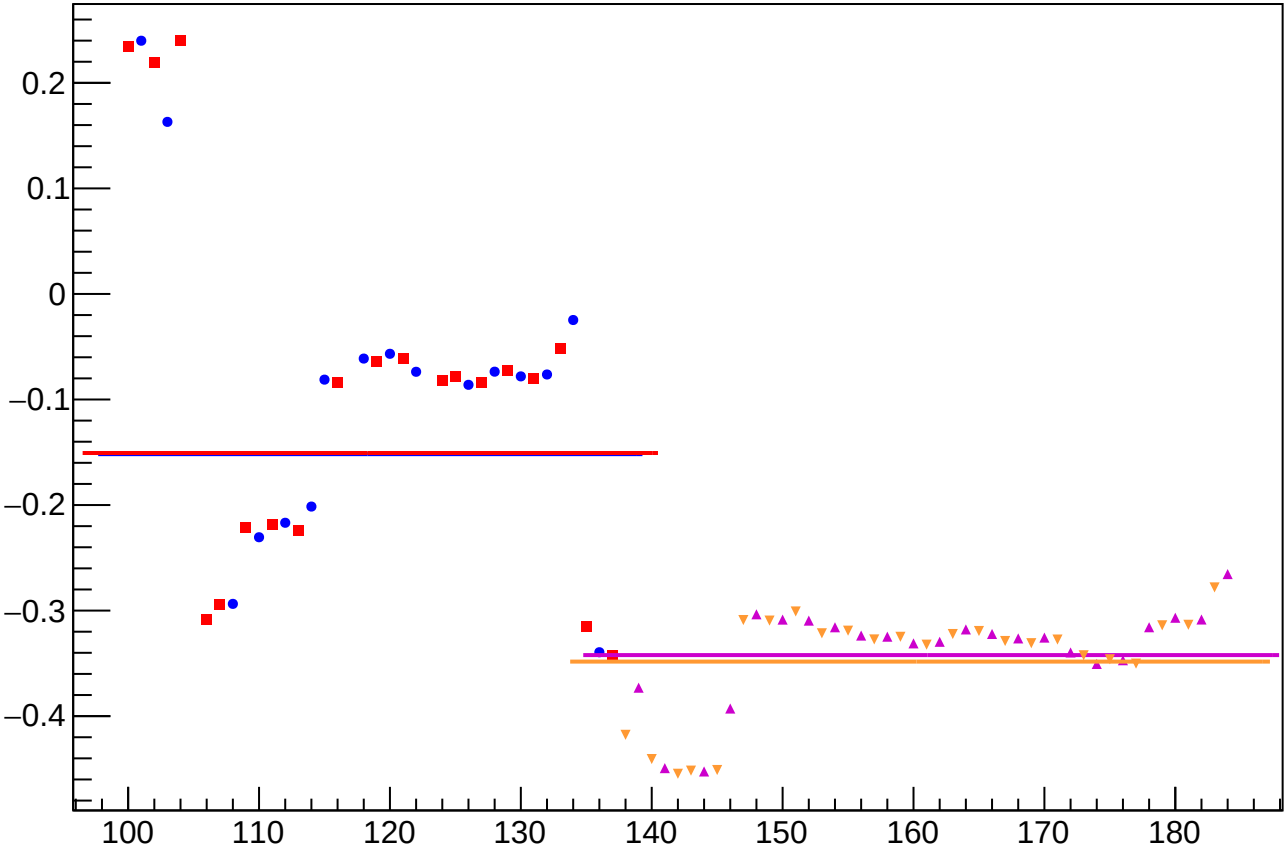
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2551466.1/39

All: 0.012+/-0.000 χ^2/NDF: 4900933.9/81

- sign 0.012+/-0.000 χ^2/NDF: 2343854.1/41

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

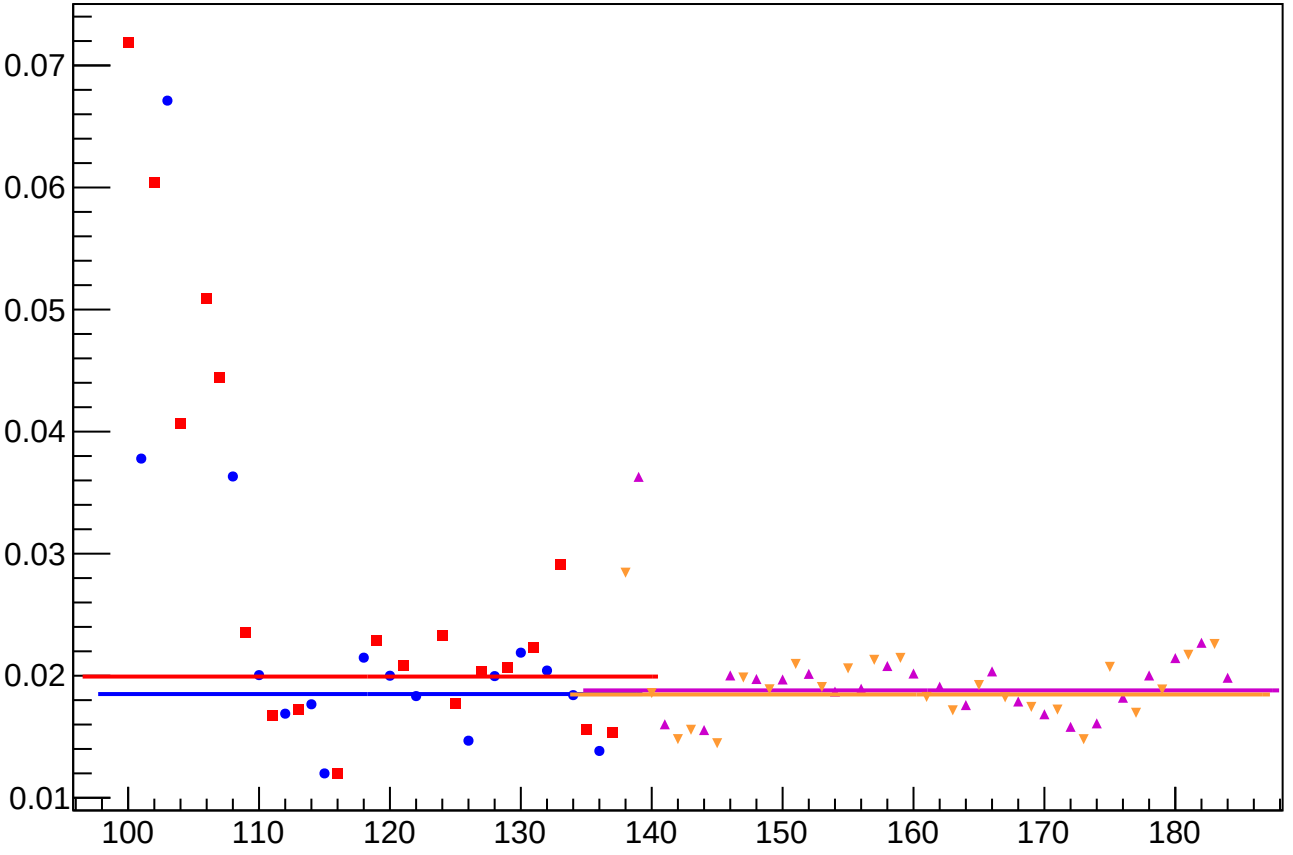
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.299+/-0.000 χ^2/NDF: 842921195.7/39

All: -0.297+/-0.000 χ^2/NDF: 1510845361.3/8

- sign -0.295+/-0.000 χ^2/NDF: 667576053.3/41

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

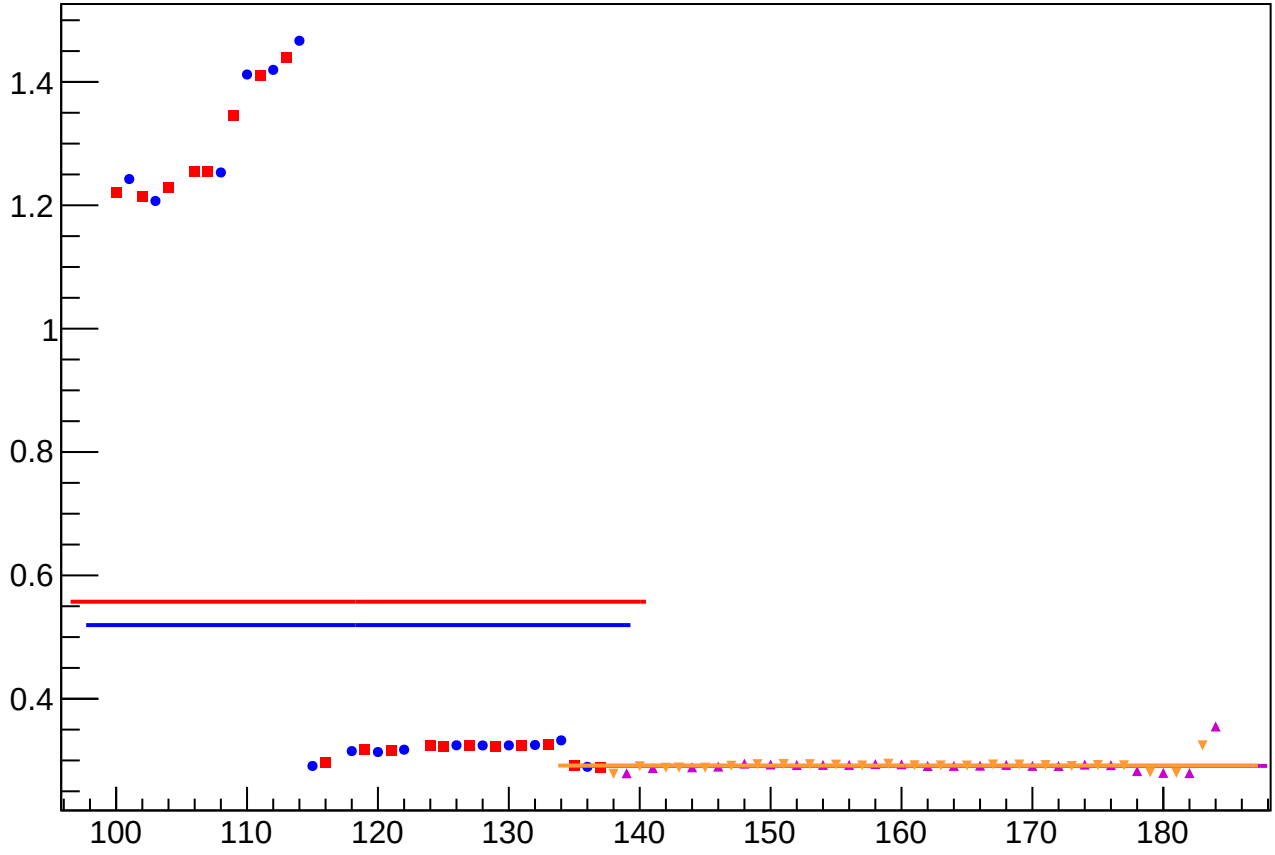
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.018+/-0.000 χ^2/NDF: 2008174.3/39

All: 0.019+/-0.000 χ^2/NDF: 4322307.3/81

- sign 0.019+/-0.000 χ^2/NDF: 2292892.0/41

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

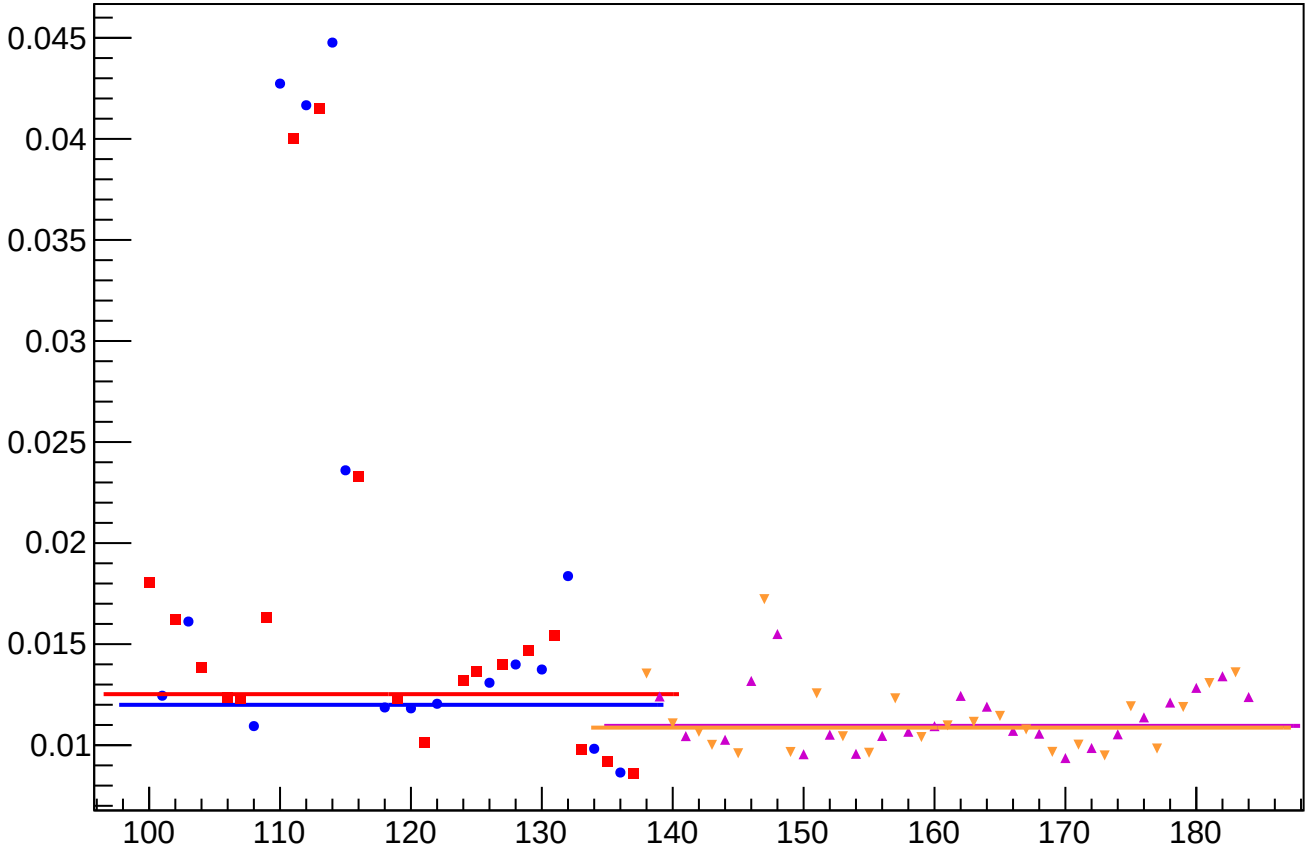
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.340+/-0.000 χ^2/NDF: 8015584158.2/39

All: 0.344+/-0.000 χ^2/NDF: 16954819828.1/8

- sign 0.348+/-0.000 χ^2/NDF: 8933955306.5/41

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

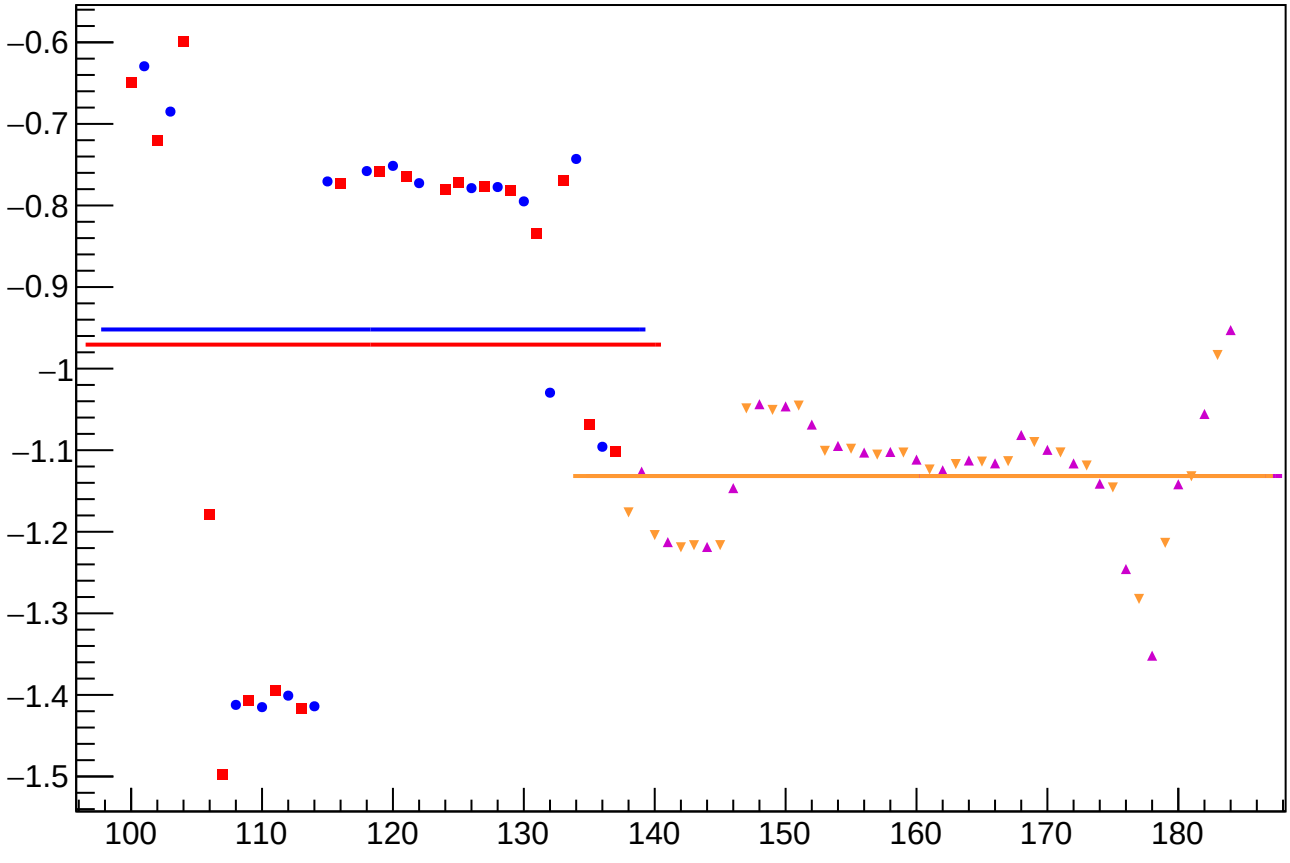
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2218890.4/39

All: 0.011+/-0.000 χ^2/NDF: 4322815.2/81

- sign 0.011+/-0.000 χ^2/NDF: 2097810.3/41

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

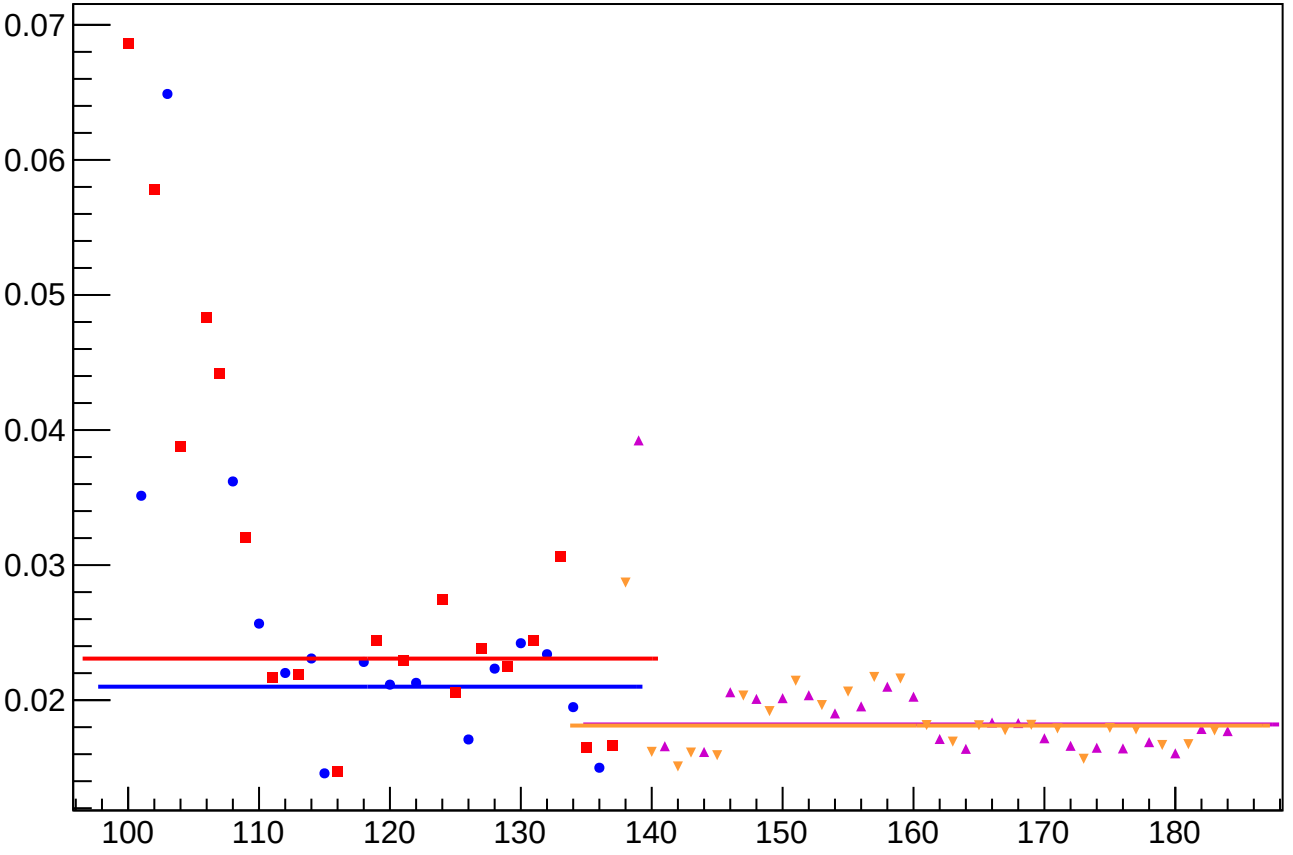
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.095+/-0.000 χ^2/NDF: 1227505078.6/39

All: -1.098+/-0.000 χ^2/NDF: 2422422987.9/8

- sign -1.101+/-0.000 χ^2/NDF: 1193806048.1/41

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

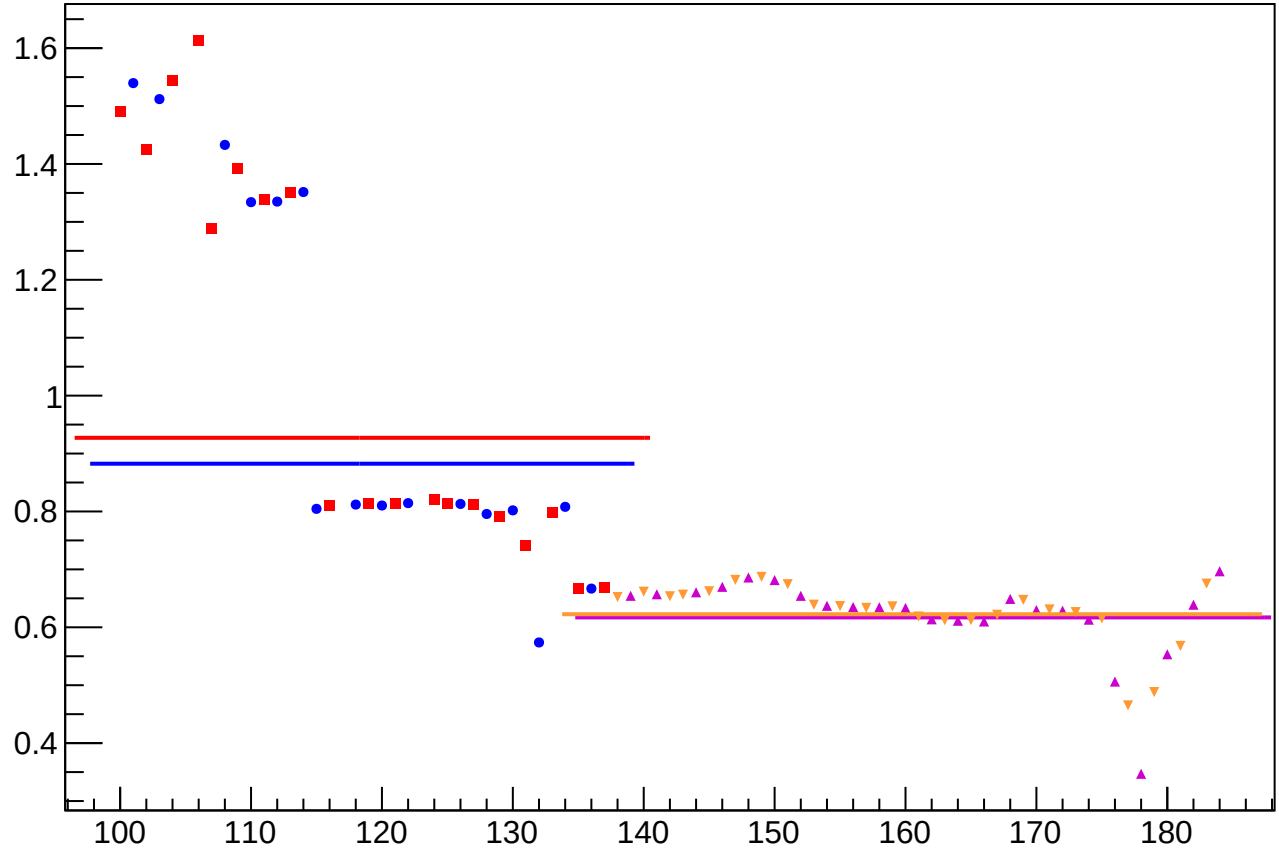
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1800730.8/39

All: 0.019+/-0.000 χ^2/NDF: 4217840.2/81

- sign 0.019+/-0.000 χ^2/NDF: 2407168.5/41

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

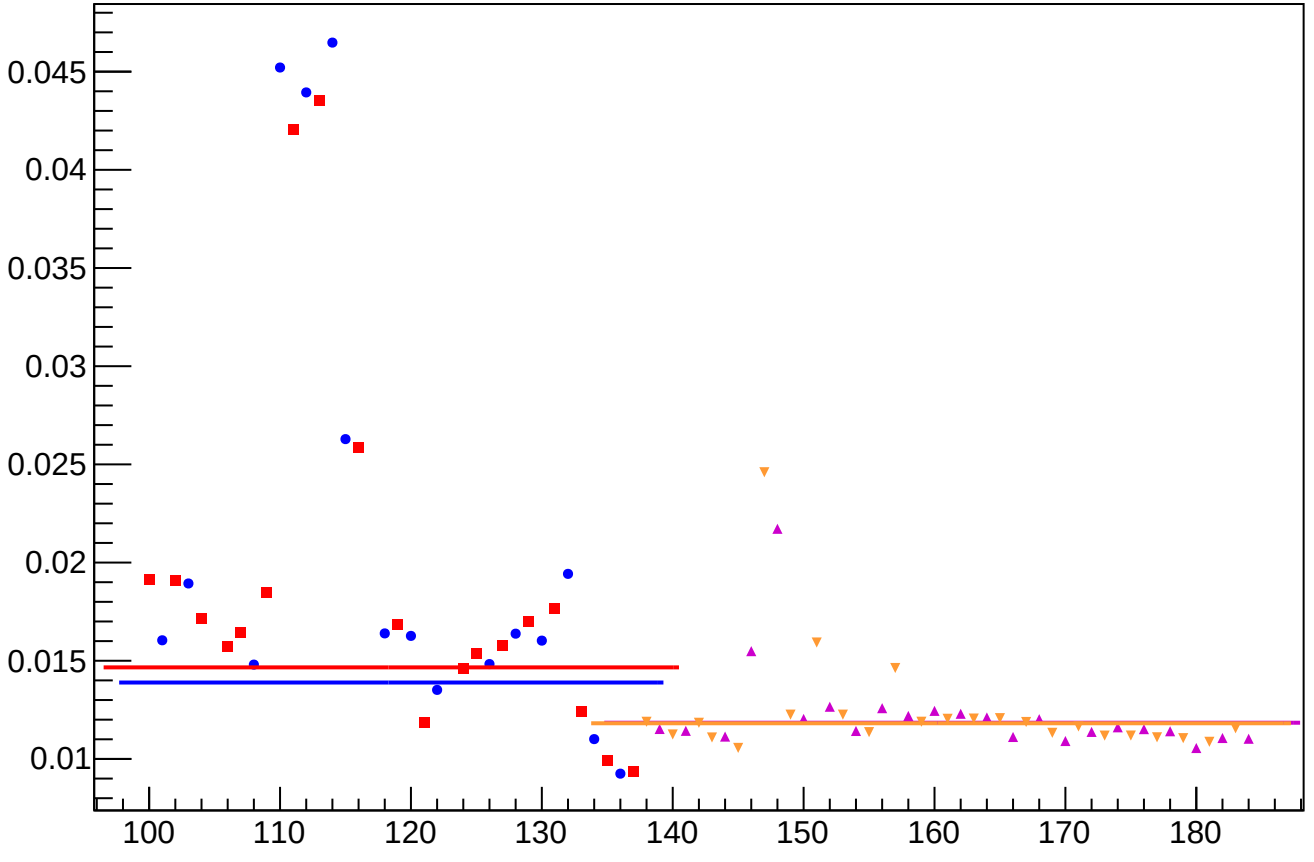
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.672+/-0.000 χ^2/NDF: 4853026461.6/39

All: 0.674+/-0.000 χ^2/NDF: 10518775024.4/8

- sign 0.675+/-0.000 χ^2/NDF: 5664982054.0/41

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

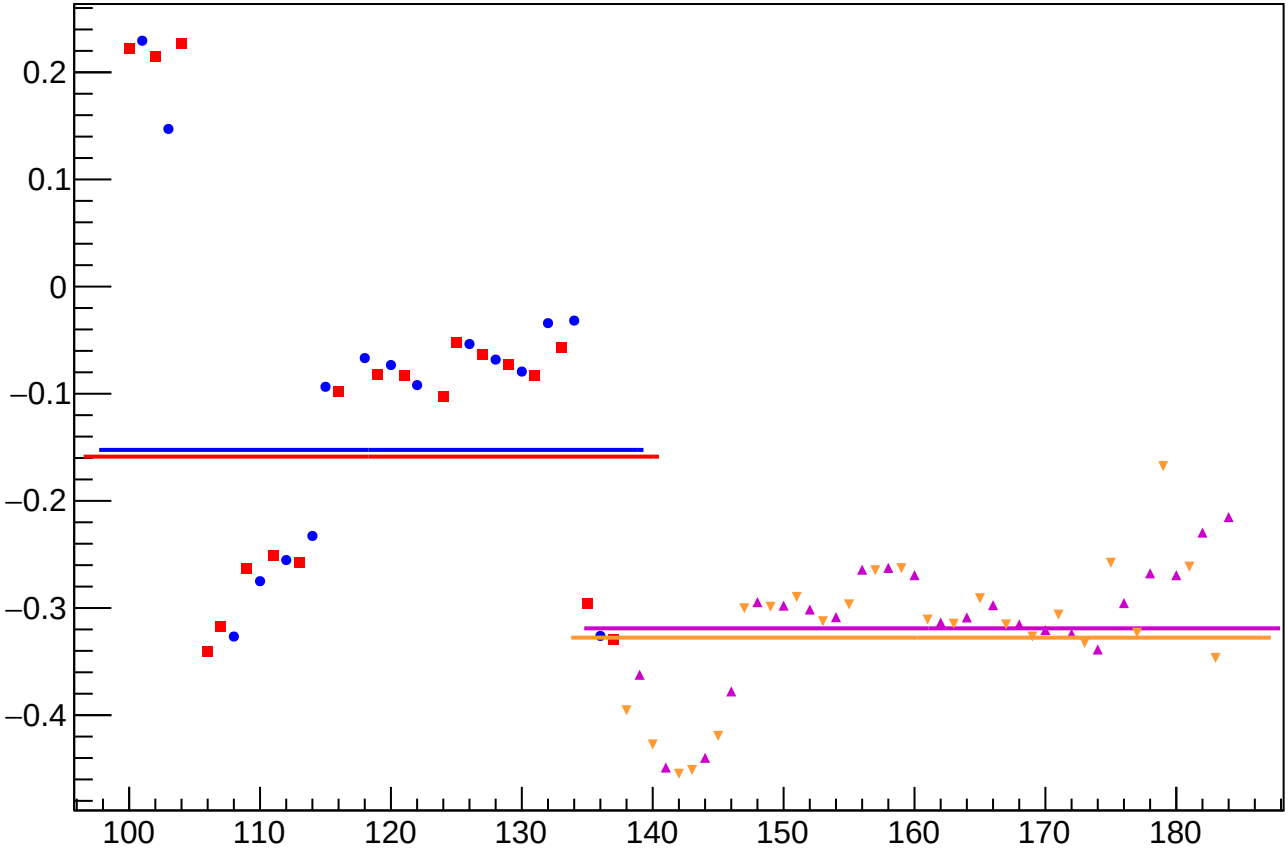
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2532832.0/39

All: 0.012+/-0.000 χ^2/NDF: 4885253.8/81

- sign 0.012+/-0.000 χ^2/NDF: 2348334.5/41

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.328+/-0.000 χ^2/NDF:164558476.1/23

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

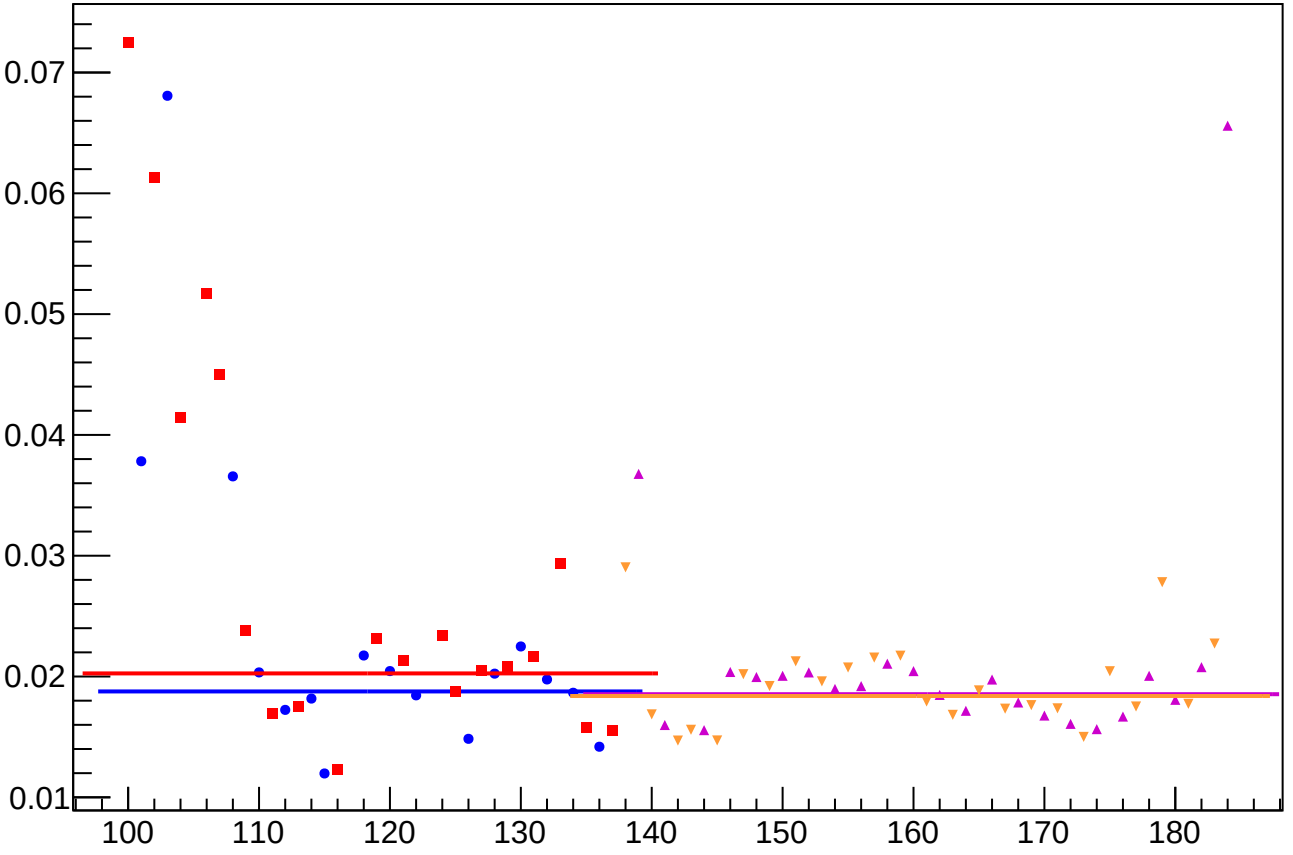
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.284+/-0.000 χ^2/NDF: 783964335.6/39

All: -0.282+/-0.000 χ^2/NDF: 1369961866.6/8

- sign -0.281+/-0.000 χ^2/NDF: 585739285.8/41

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

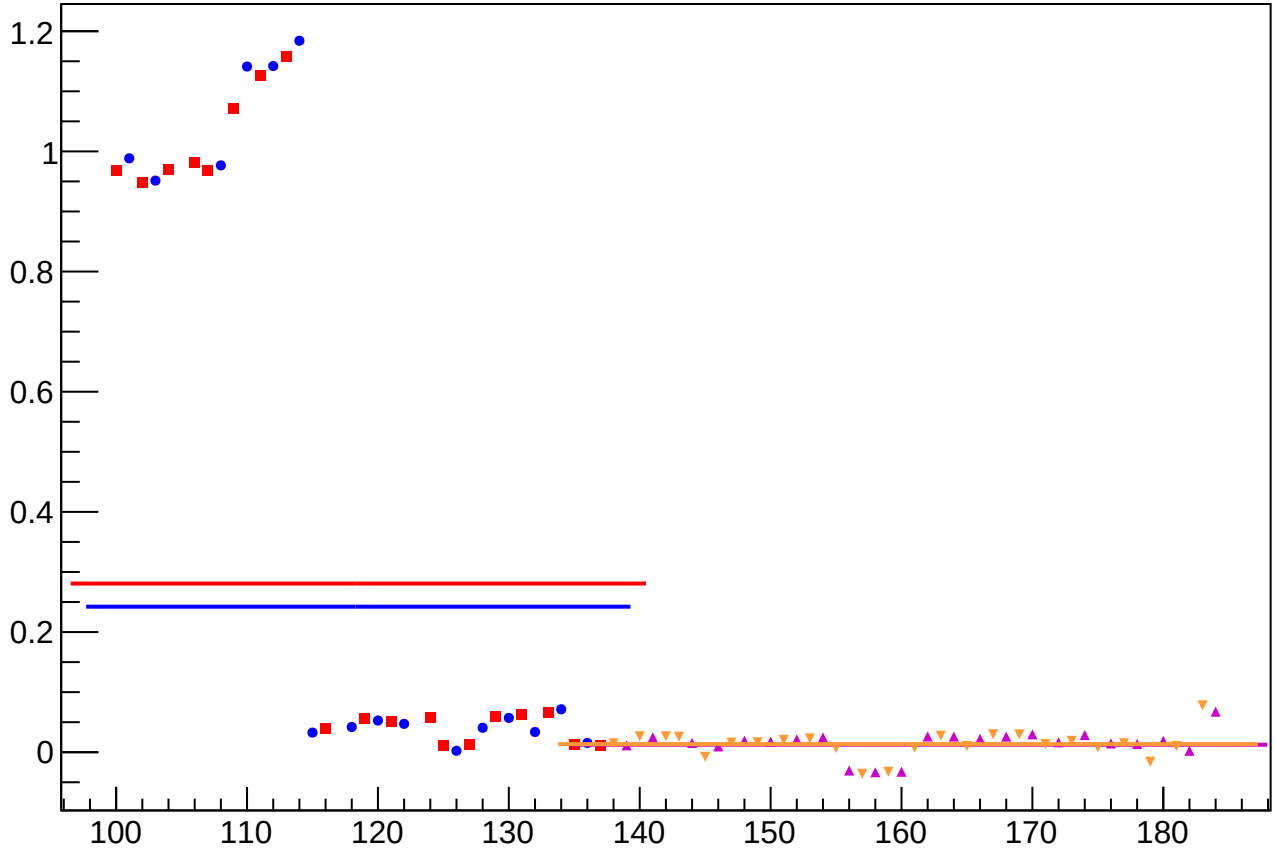
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 2086203.6/39

All: 0.019+/-0.000 χ^2/NDF: 4621940.6/81

- sign 0.019+/-0.000 χ^2/NDF: 2523249.5/41

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

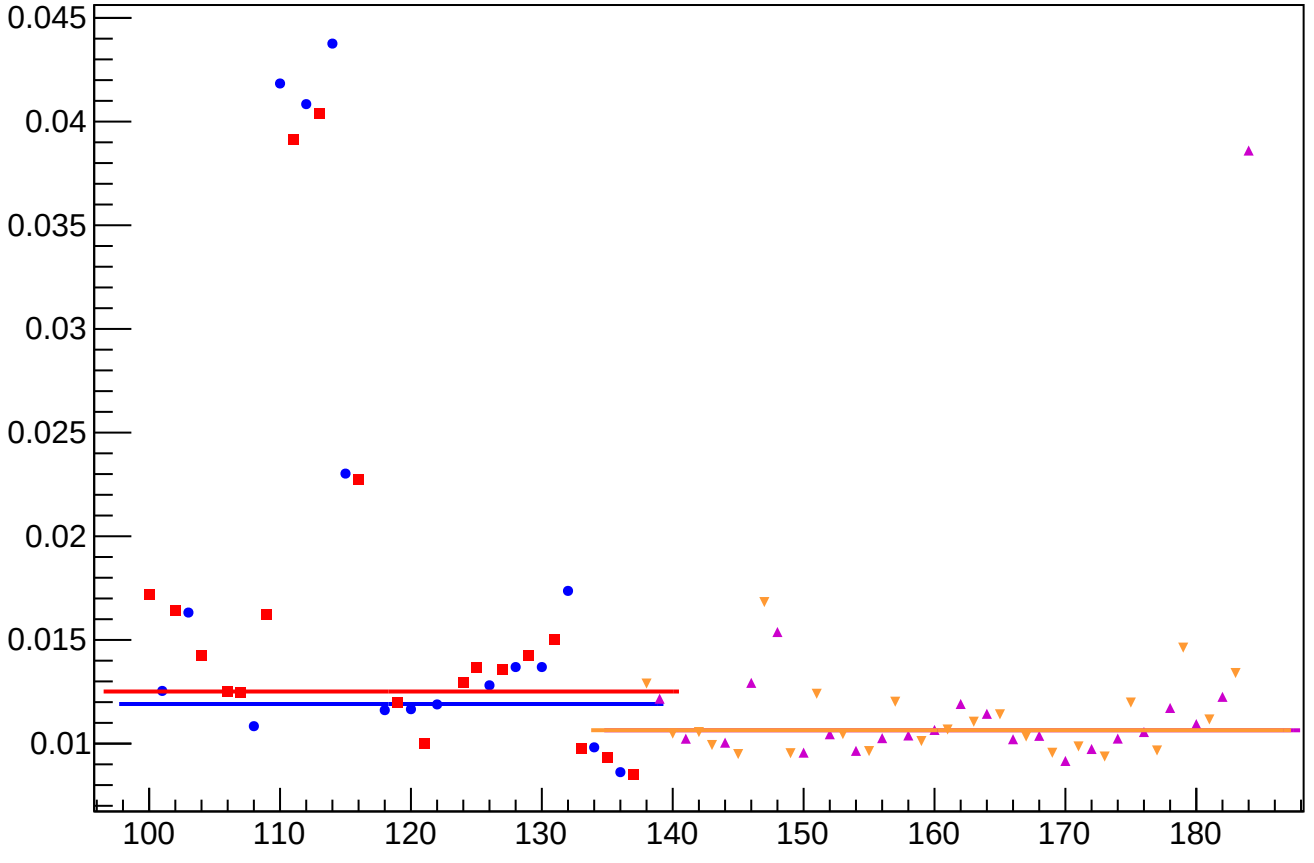
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.062+/-0.000 χ^2/NDF: 8302953008.8/39

All: 0.065+/-0.000 χ^2/NDF: 17358684308.7/8

- sign 0.068+/-0.000 χ^2/NDF: 9052581763.4/41

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

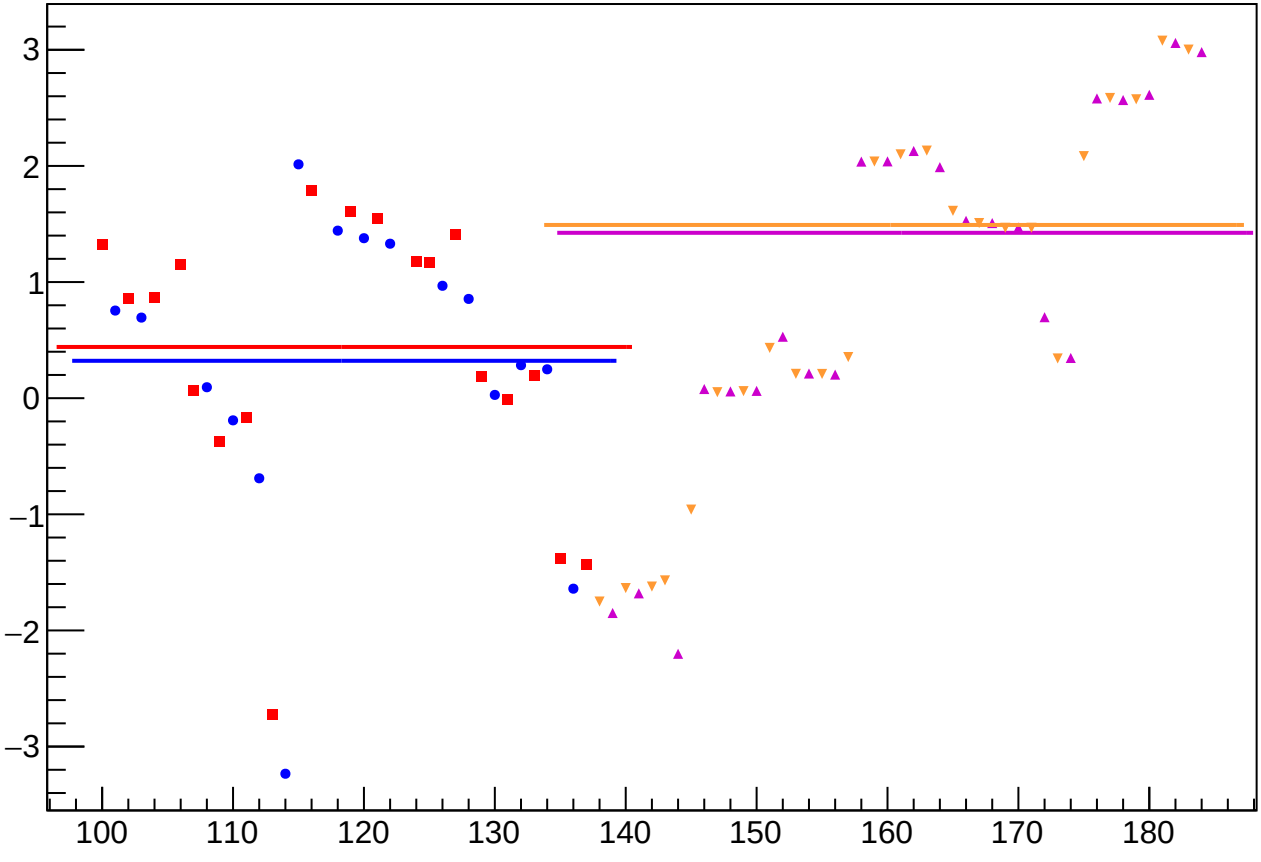
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2178242.4/39

All: 0.011+/-0.000 χ^2/NDF: 4362486.5/81

- sign 0.011+/-0.000 χ^2/NDF: 2181757.8/41

yield_bpm1X_mean vs Slug



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

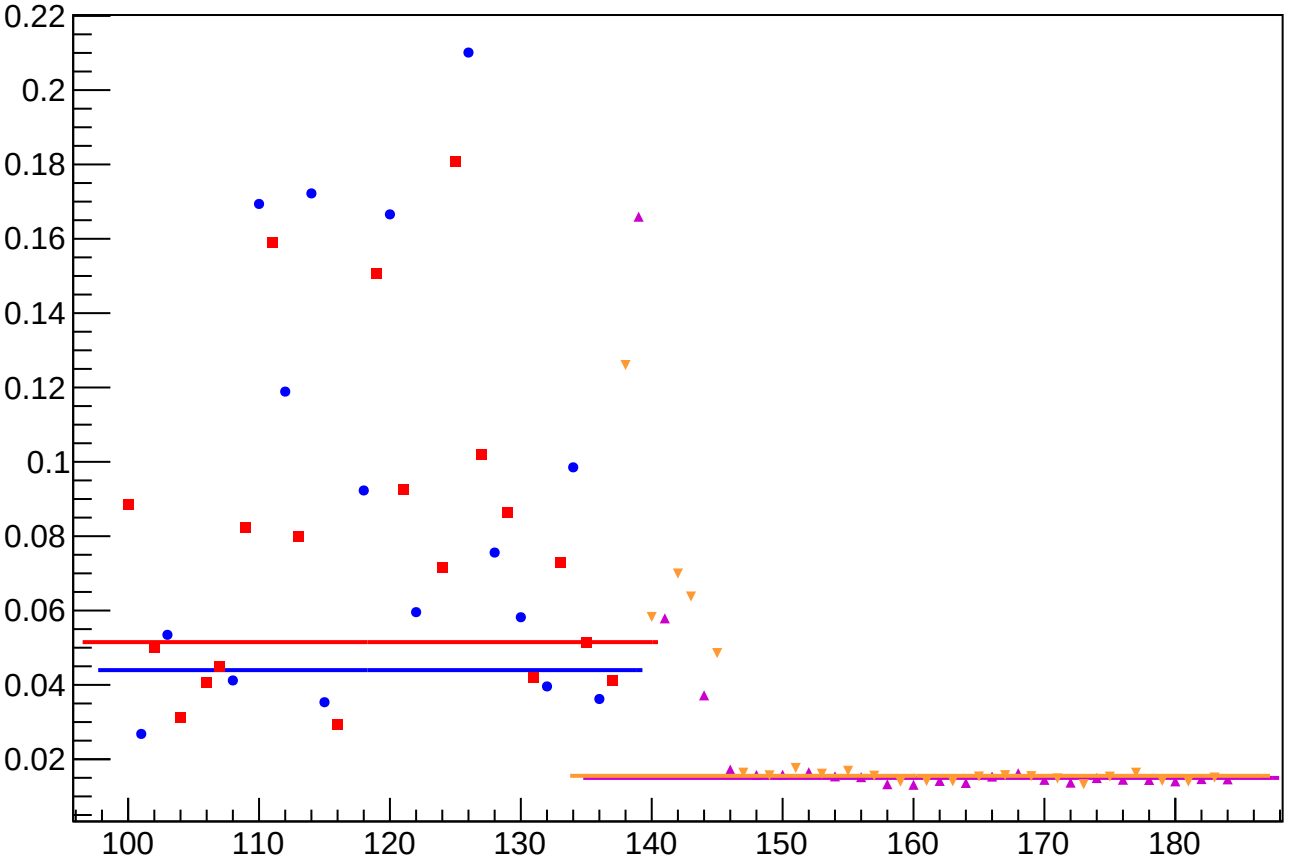
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.454+/-0.000 χ^2/NDF: 70012123825.5/39

All: 1.426+/-0.000 χ^2/NDF: 141500501359.2

- sign 1.399+/-0.000 χ^2/NDF: 71392252753.5/41

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

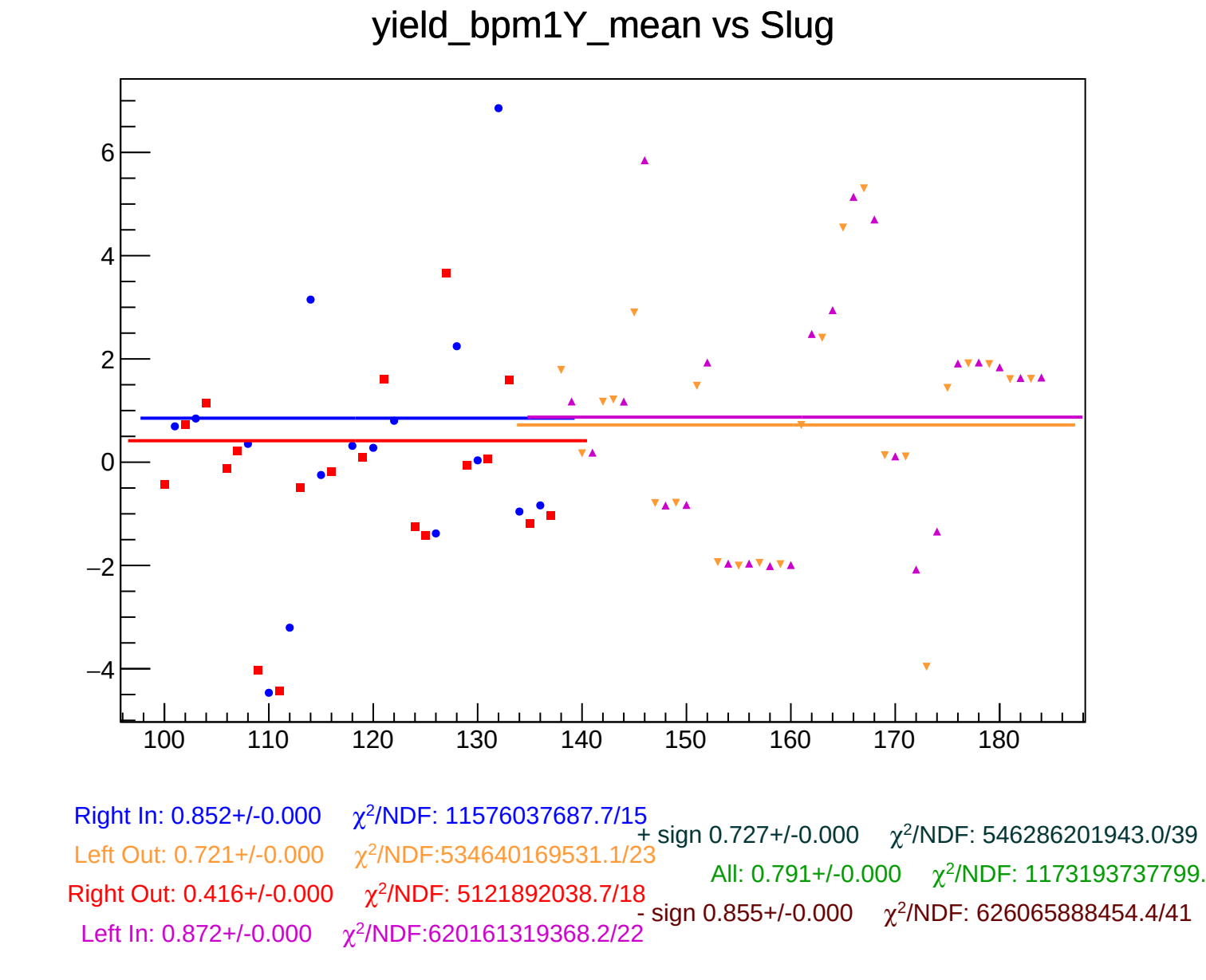
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

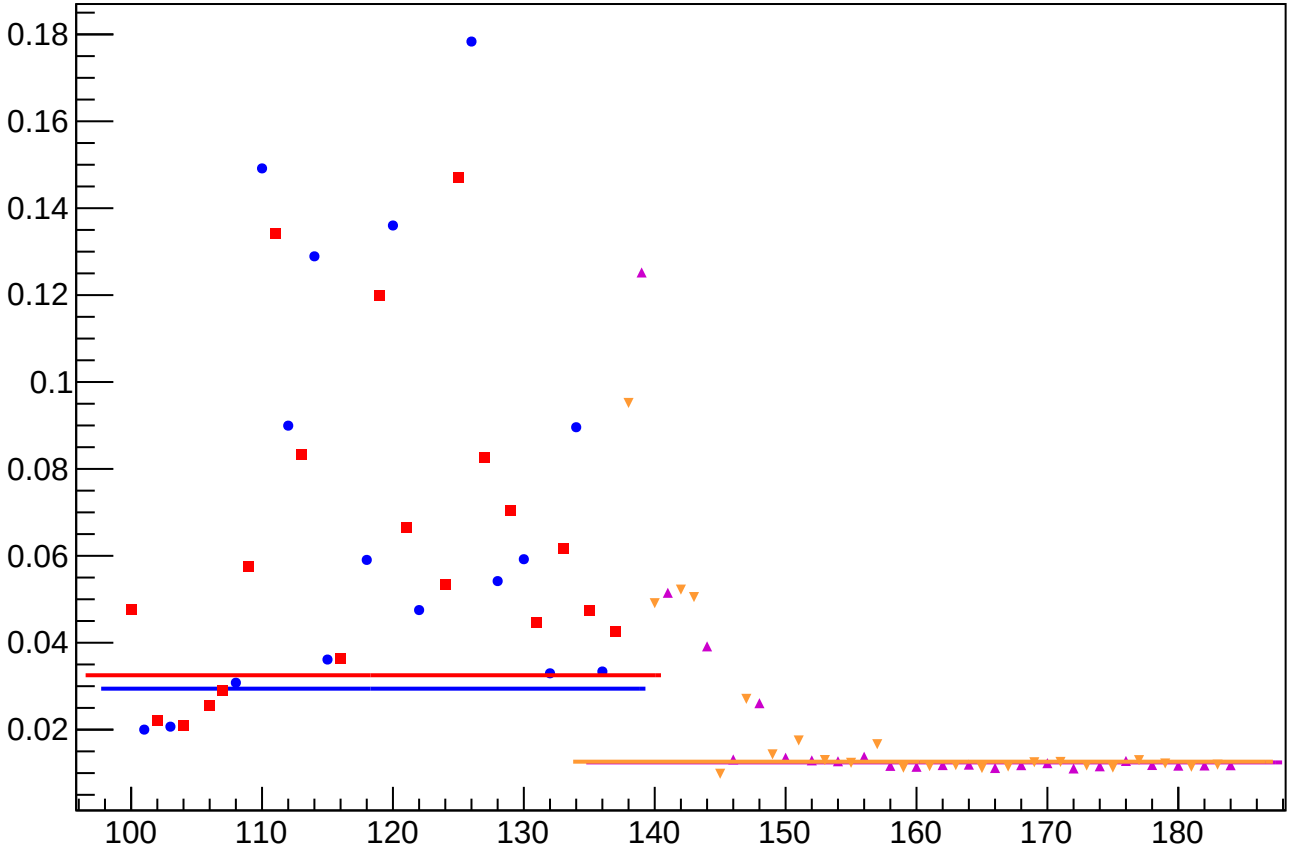
+ sign 0.016+/-0.000 χ^2/NDF: 8876496.1/39

All: 0.016+/-0.000 χ^2/NDF: 17724181.6/81

- sign 0.016+/-0.000 χ^2/NDF: 8829465.2/41


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: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.727+/-0.000 χ²/NDF: 546286201943.0/39
All: 0.791+/-0.000 χ²/NDF: 1173193737799.
- sign 0.855+/-0.000 χ²/NDF: 626065888454.4/41

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

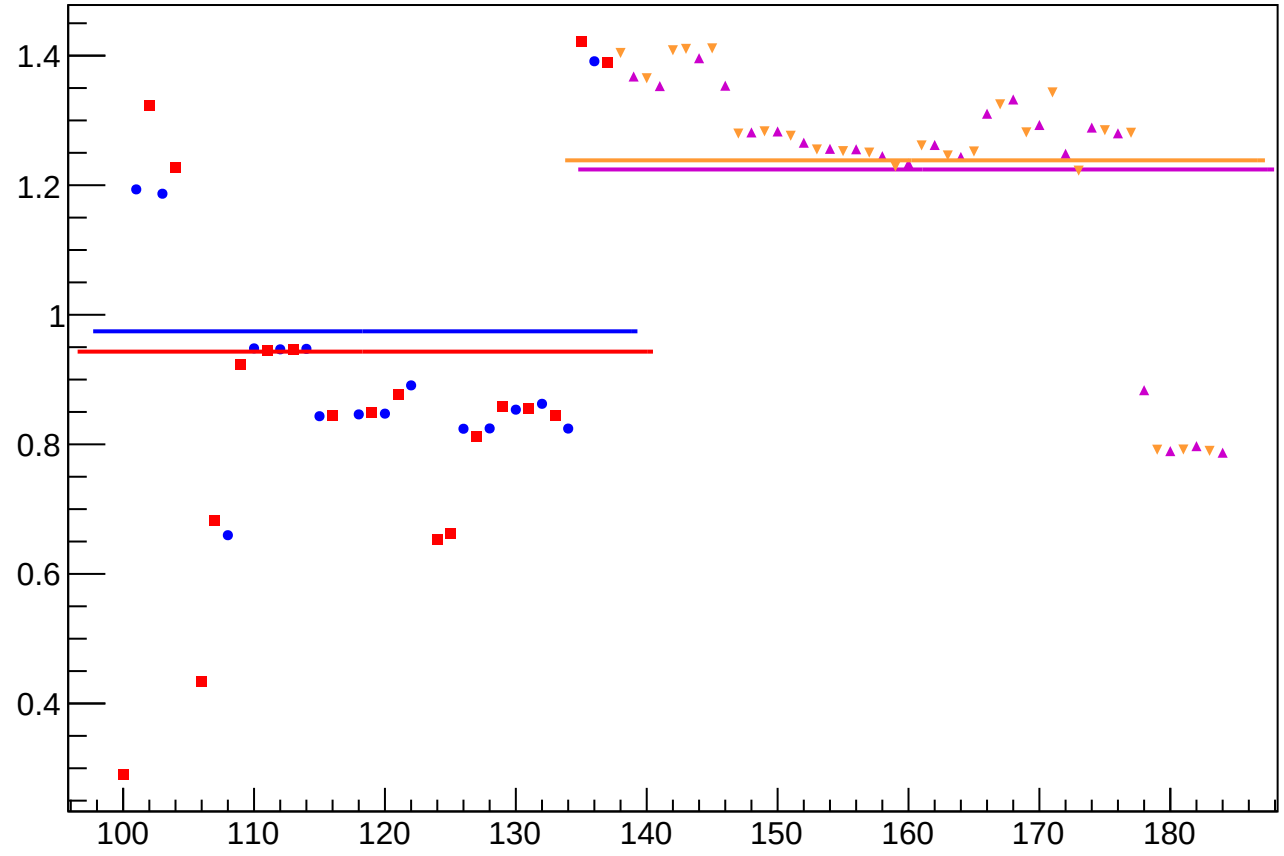
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.013+/-0.000 χ^2/NDF: 8687832.2/39

All: 0.013+/-0.000 χ^2/NDF: 17782113.3/81

- sign 0.013+/-0.000 χ^2/NDF: 9092990.3/41

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

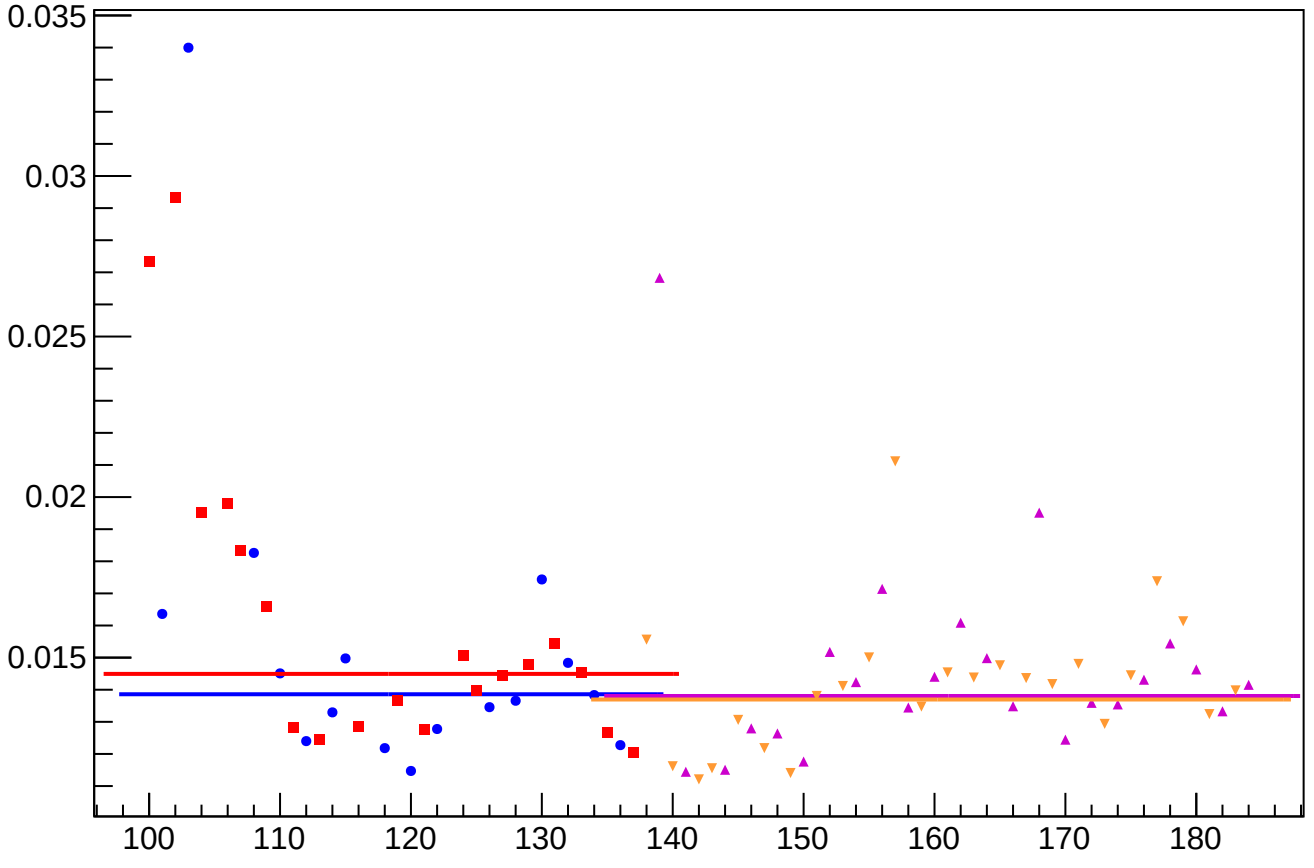
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.168+/-0.000 χ^2/NDF: 5959198745.1/39

All: 1.159+/-0.000 χ^2/NDF: 12079664606.7/8

- sign 1.150+/-0.000 χ^2/NDF: 6101291266.6/41

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

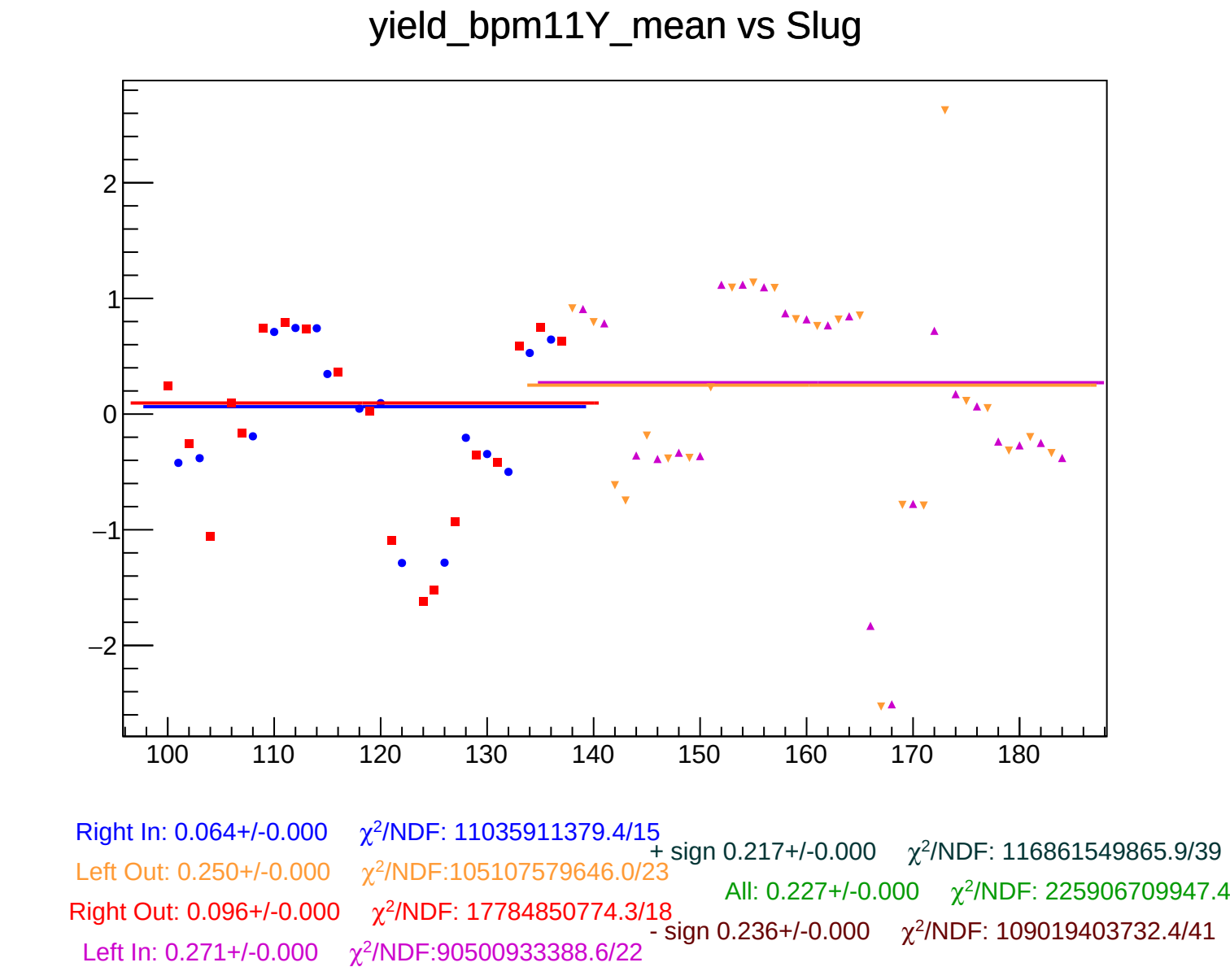
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

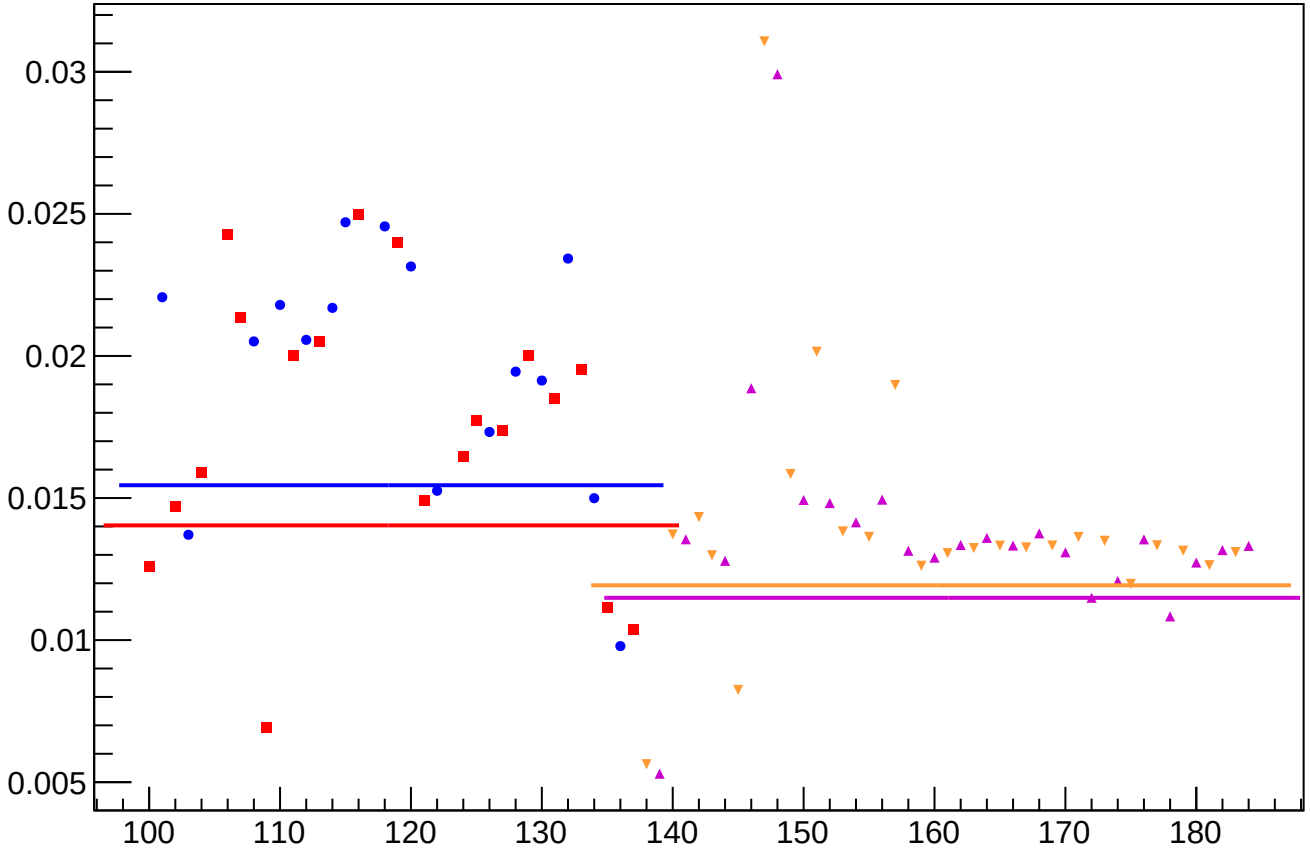
+ sign 0.014+/-0.000 χ^2/NDF: 1143640.0/39

All: 0.014+/-0.000 χ^2/NDF: 2586619.9/81

- sign 0.014+/-0.000 χ^2/NDF: 1435732.5/41


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: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.217+/-0.000 χ²/NDF: 116861549865.9/39
All: 0.227+/-0.000 χ²/NDF: 225906709947.4
- sign 0.236+/-0.000 χ²/NDF: 109019403732.4/41

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

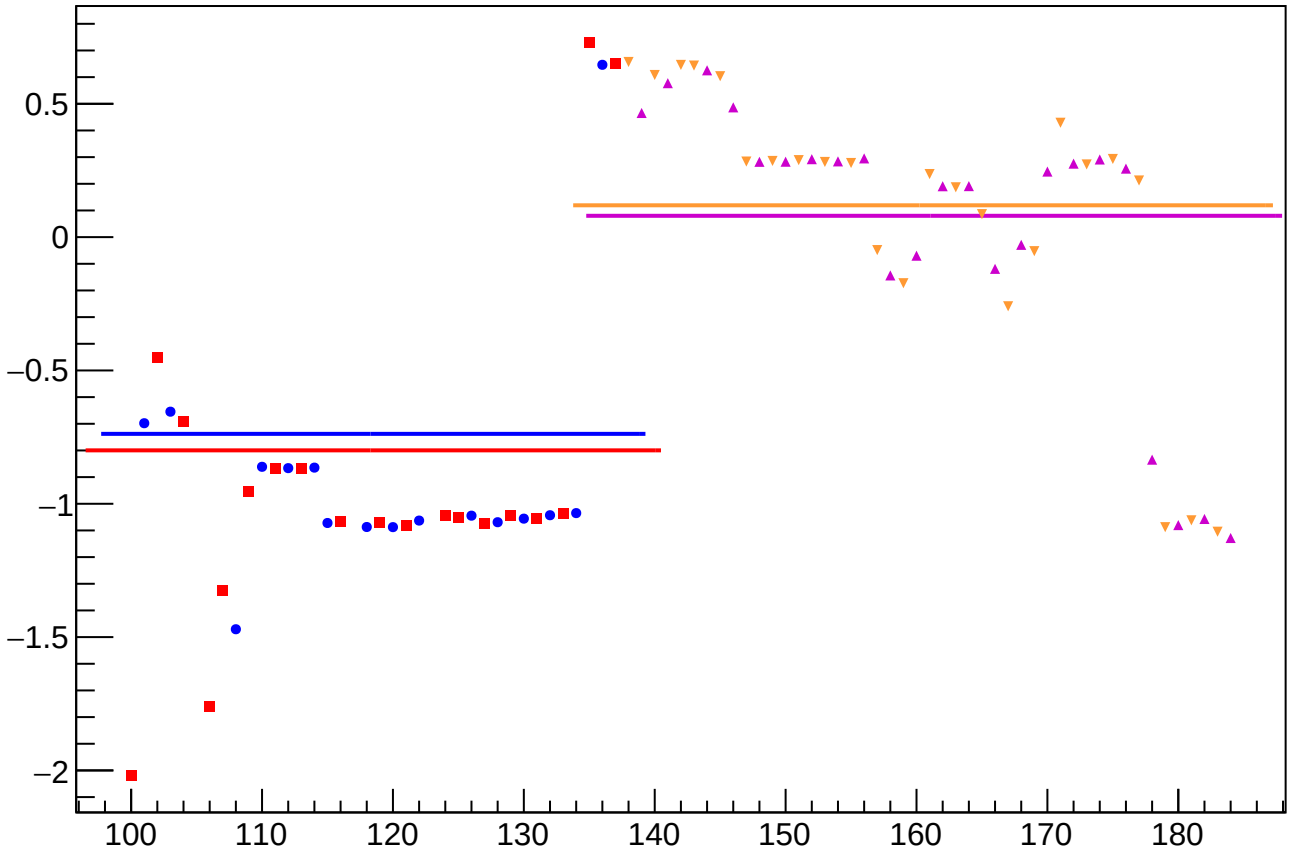
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.013+/-0.000 χ^2/NDF: 5064499.7/39

All: 0.012+/-0.000 χ^2/NDF: 10775752.8/81

- sign 0.012+/-0.000 χ^2/NDF: 5667198.9/41



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.119+/-0.000 χ^2/NDF:3554508911.9/23

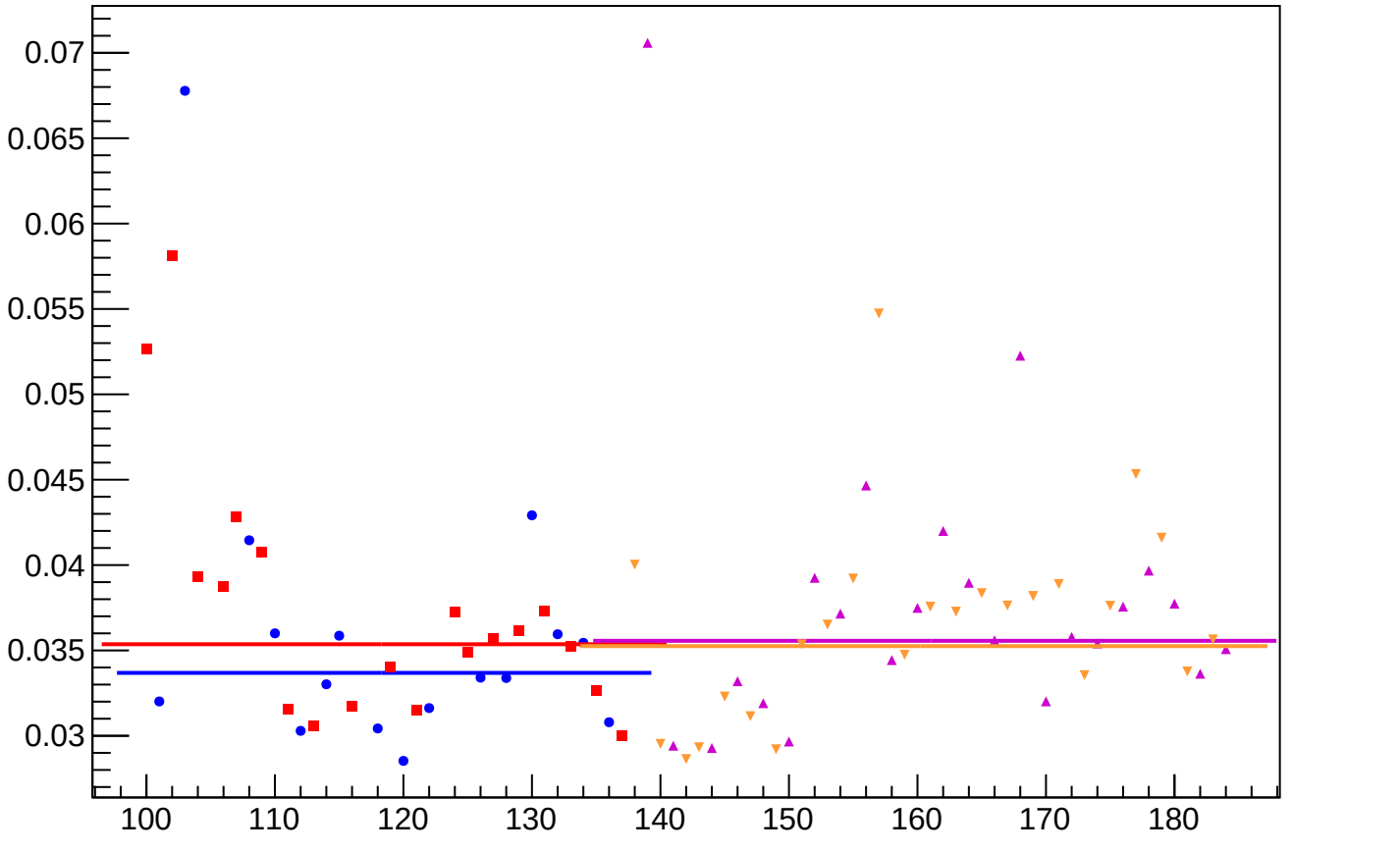
Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

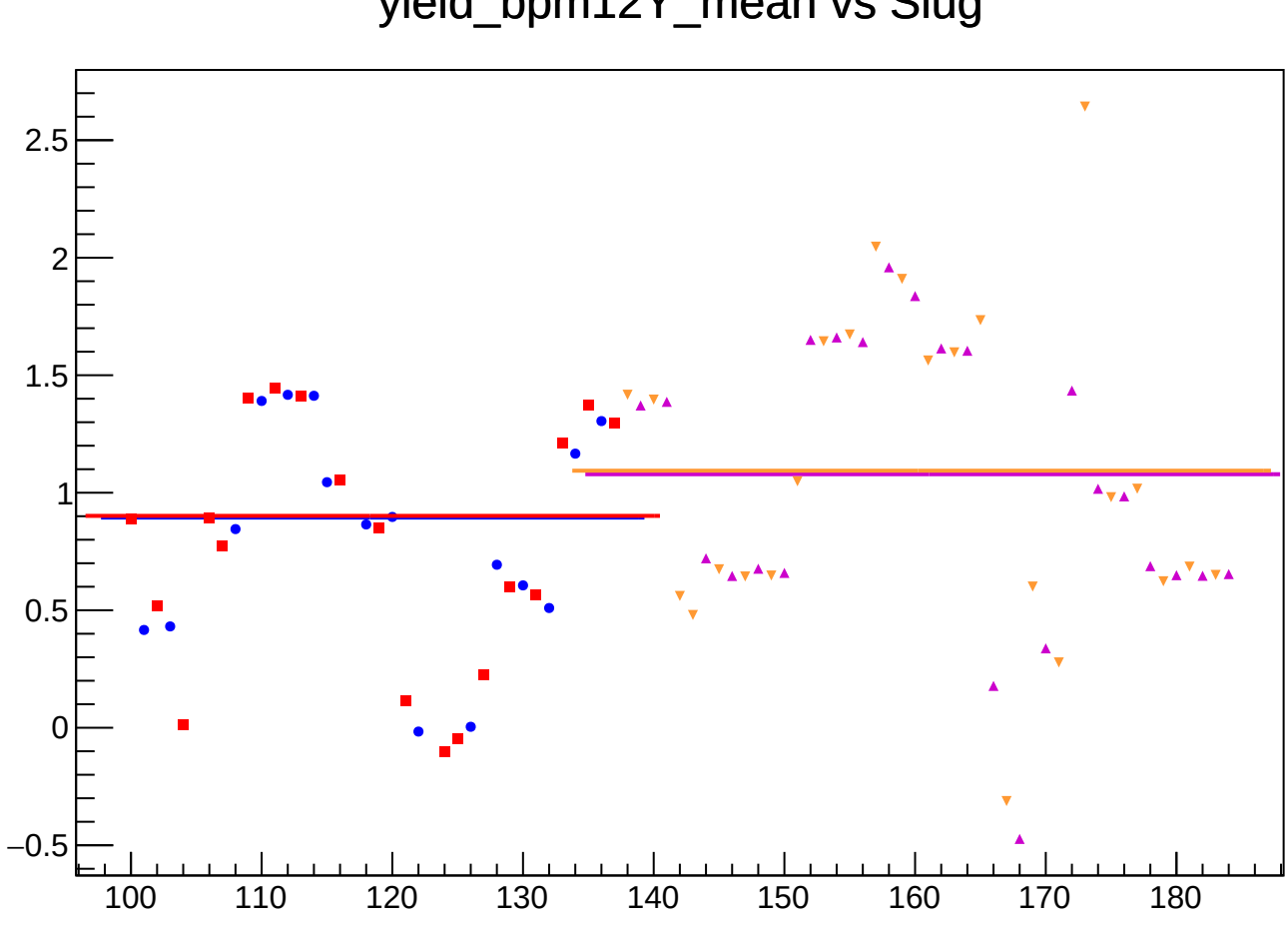
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.133+/-0.000 χ^2/NDF: 8508731235.0/39

All: -0.153+/-0.000 χ^2/NDF: 16523258829.8/

- sign -0.174+/-0.000 χ^2/NDF: 7998599363.6/41


yield_bpm12X_rms vs Slug
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
100
110
120
130
140
150
160
170
180
Right In: 0.034+/-0.000 χ²/NDF: 420227.2/15
Left Out: 0.035+/-0.000 χ²/NDF:606464.5/23
Right Out: 0.035+/-0.000 χ²/NDF: 296353.9/18
Left In: 0.036+/-0.000 χ²/NDF:960383.5/22
+ sign 0.035+/-0.000 χ²/NDF: 1045965.7/39
All: 0.035+/-0.000 χ²/NDF: 2312346.6/81
- sign 0.036+/-0.000 χ²/NDF: 1257034.4/41



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

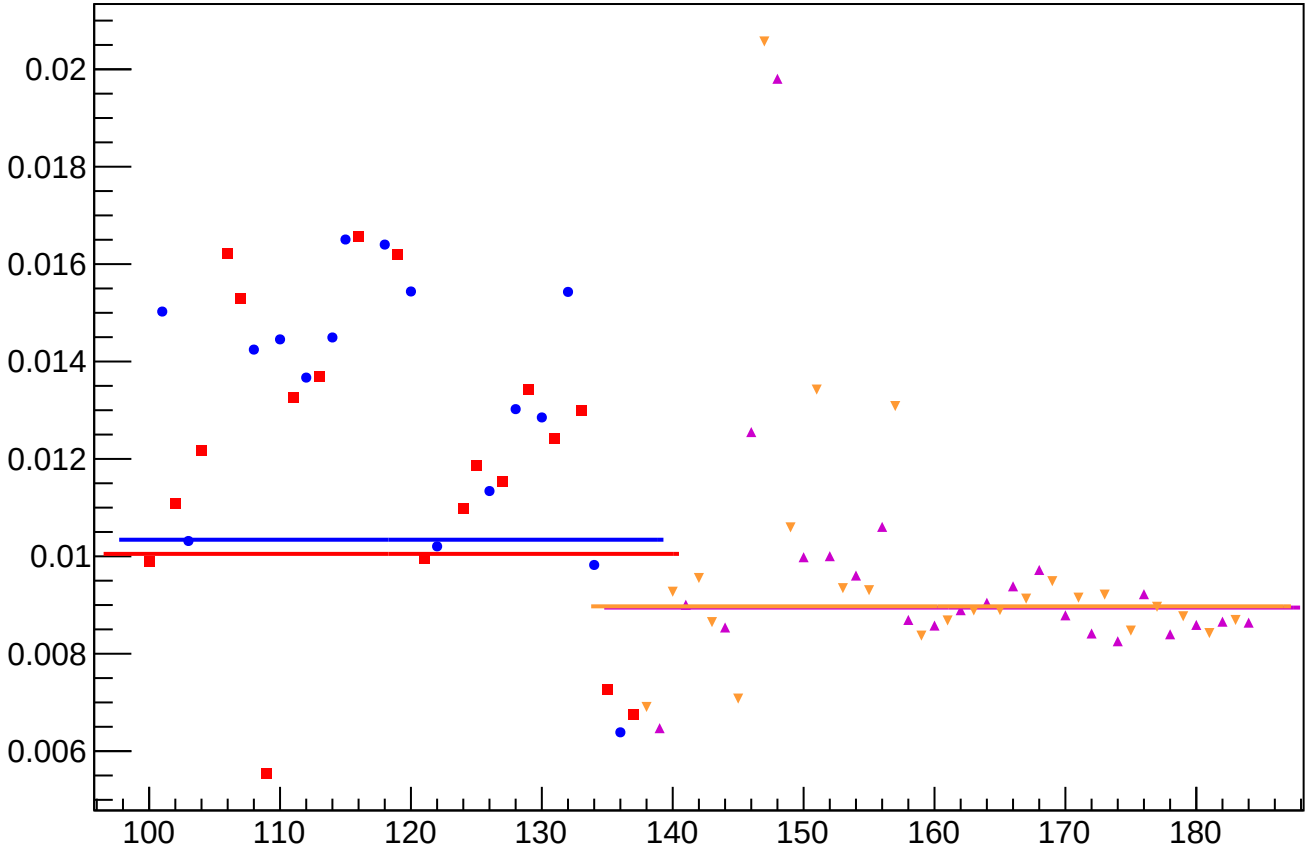
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.054+/-0.000 χ^2/NDF: 107807192308.3/39

All: 1.047+/-0.000 χ^2/NDF: 201281000628.7

- sign 1.039+/-0.000 χ^2/NDF: 93446609196.1/41

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

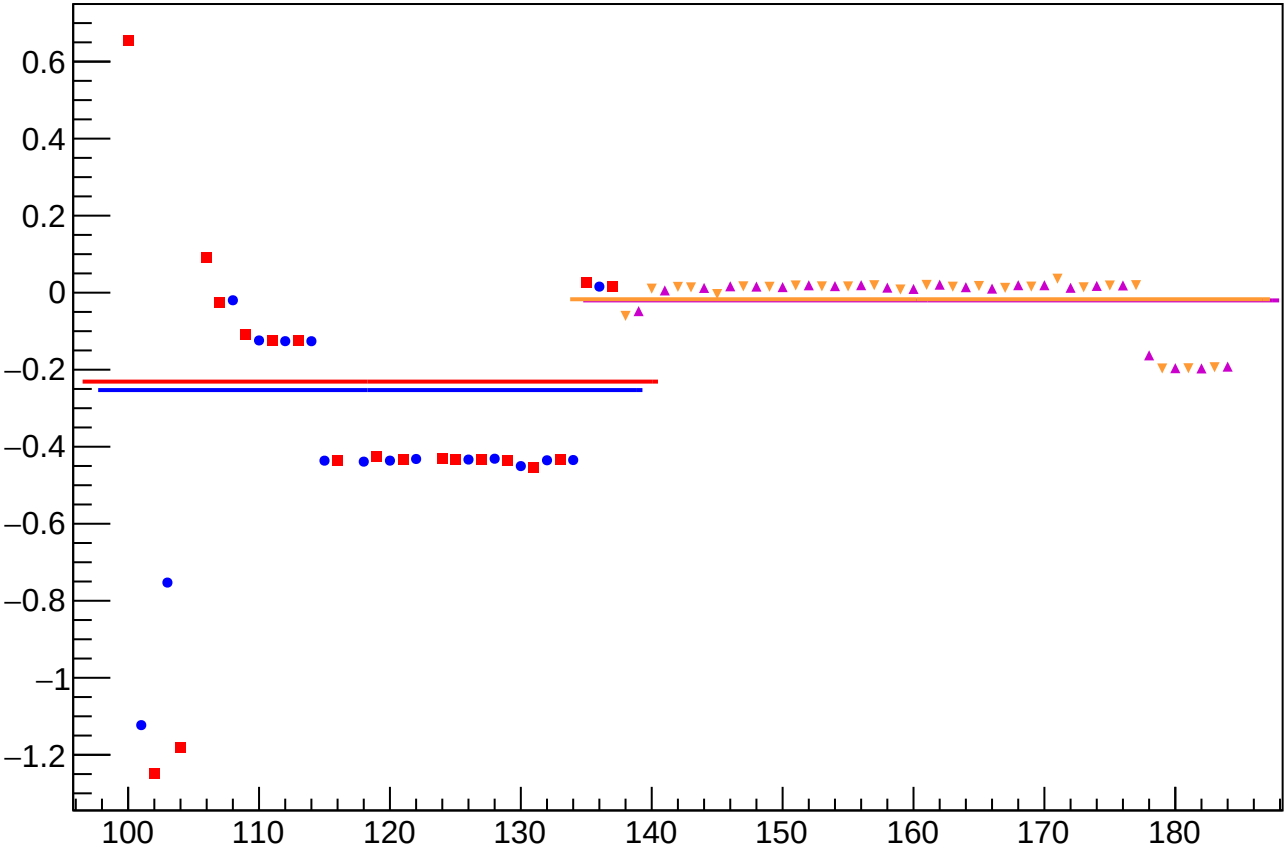
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2663609.5/39

All: 0.009+/-0.000 χ^2/NDF: 5082221.3/81

- sign 0.009+/-0.000 χ^2/NDF: 2417726.5/41

yield_bpm16X_mean vs Slug



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

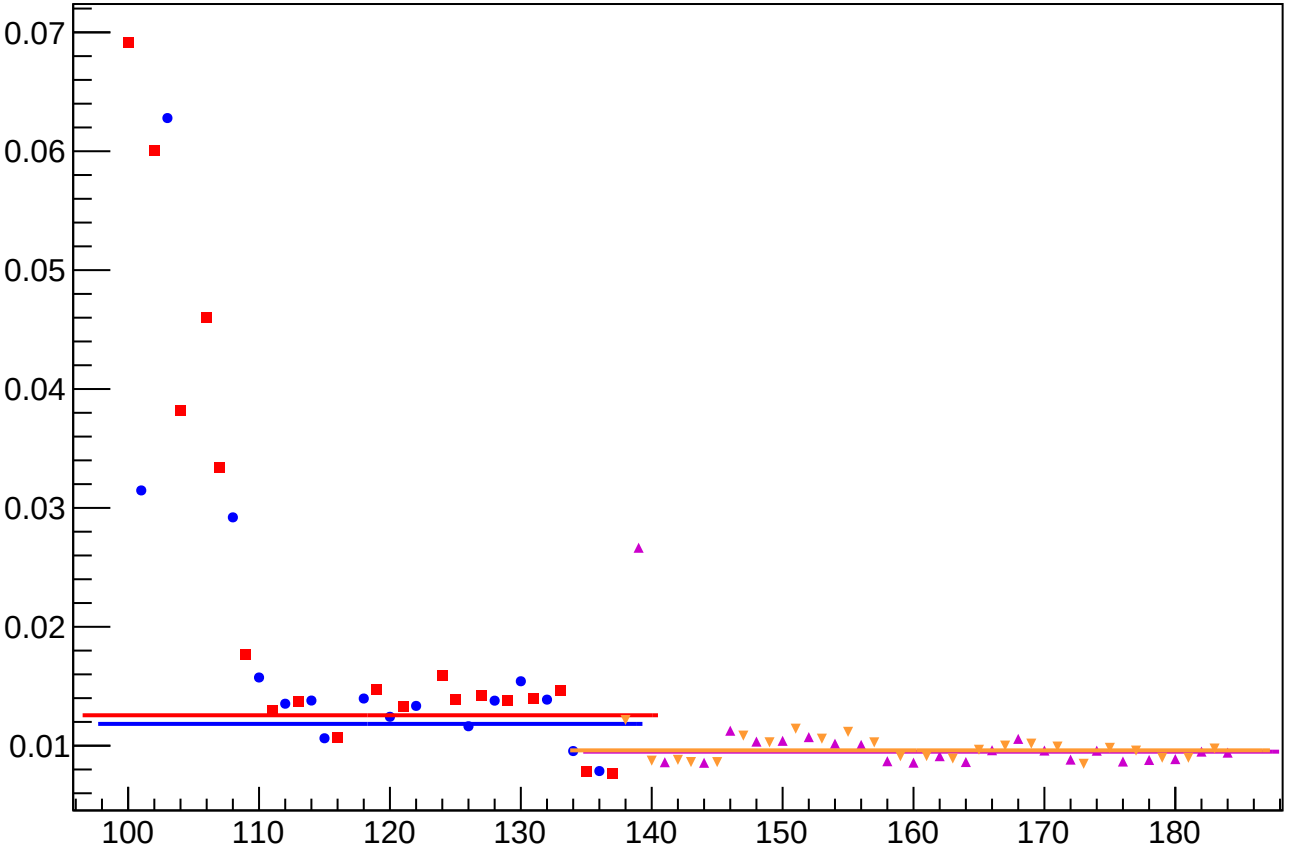
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.057+/-0.000 χ^2/NDF: 4657474414.3/39

All: -0.055+/-0.000 χ^2/NDF: 8639831379.9/8

- sign -0.053+/-0.000 χ^2/NDF: 3981182319.9/41

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

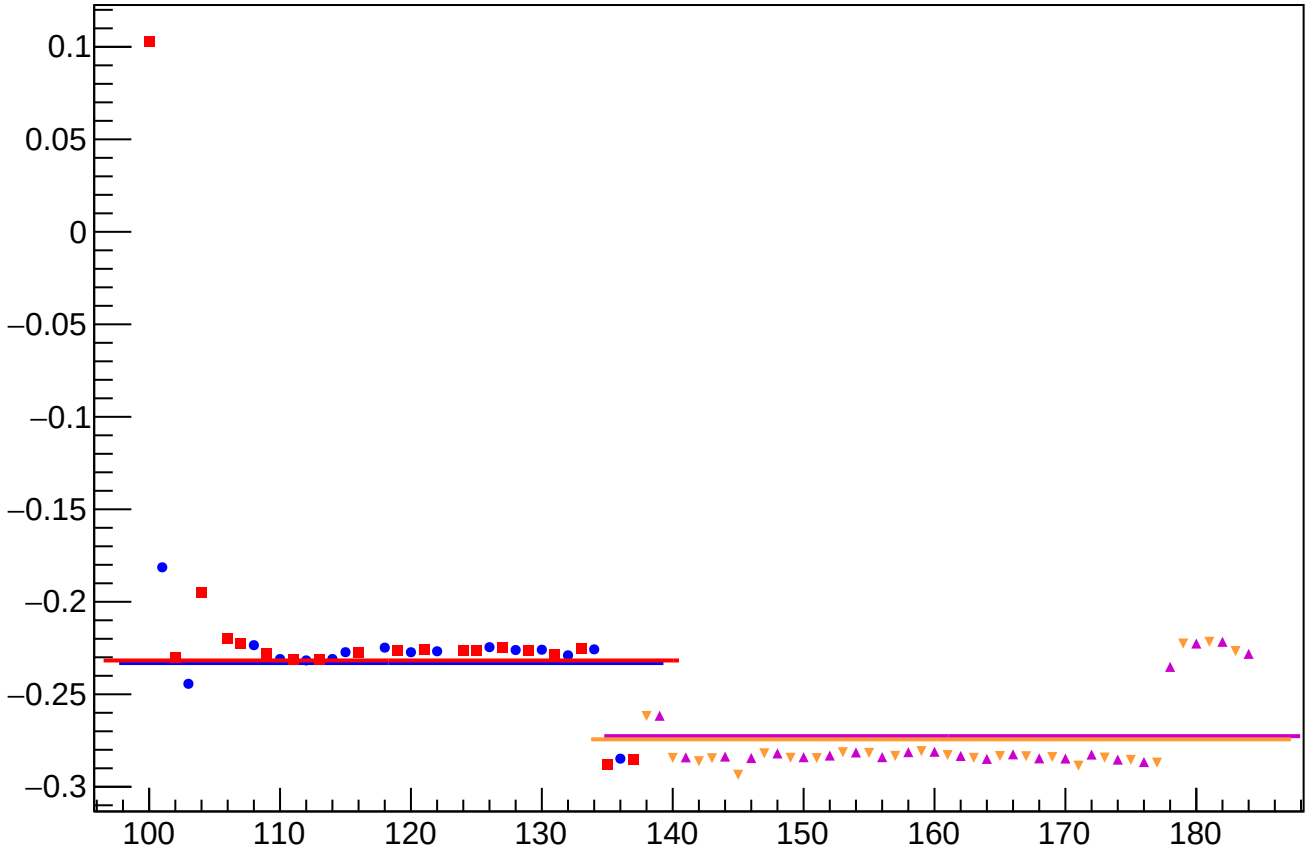
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 2505311.2/39

All: 0.010+/-0.000 χ^2/NDF: 6124250.9/81

- sign 0.010+/-0.000 χ^2/NDF: 3618939.6/41

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

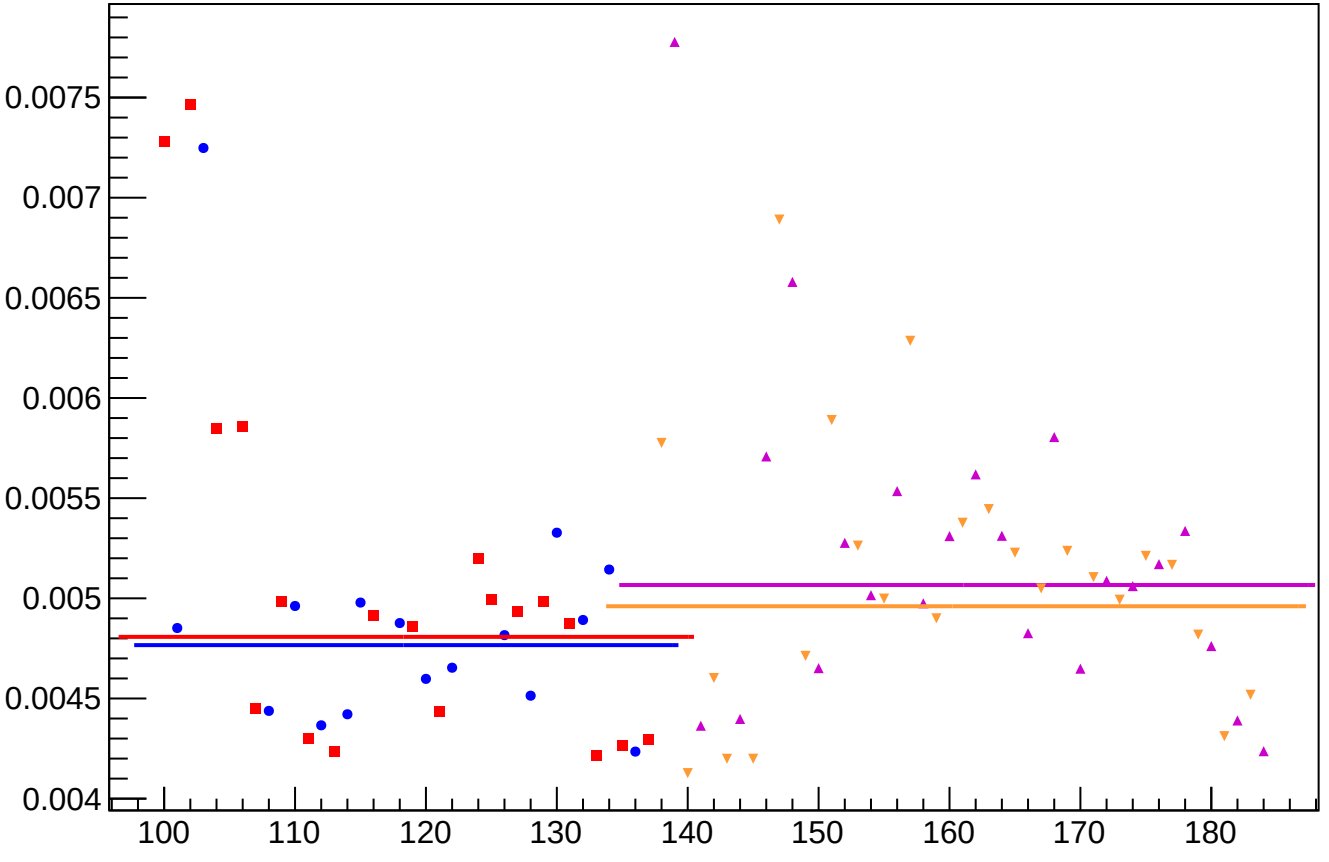
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.263+/-0.000 χ^2/NDF: 913607344.0/39

All: -0.262+/-0.000 χ^2/NDF: 1877538853.4/8

- sign -0.260+/-0.000 χ^2/NDF: 960832841.3/41

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

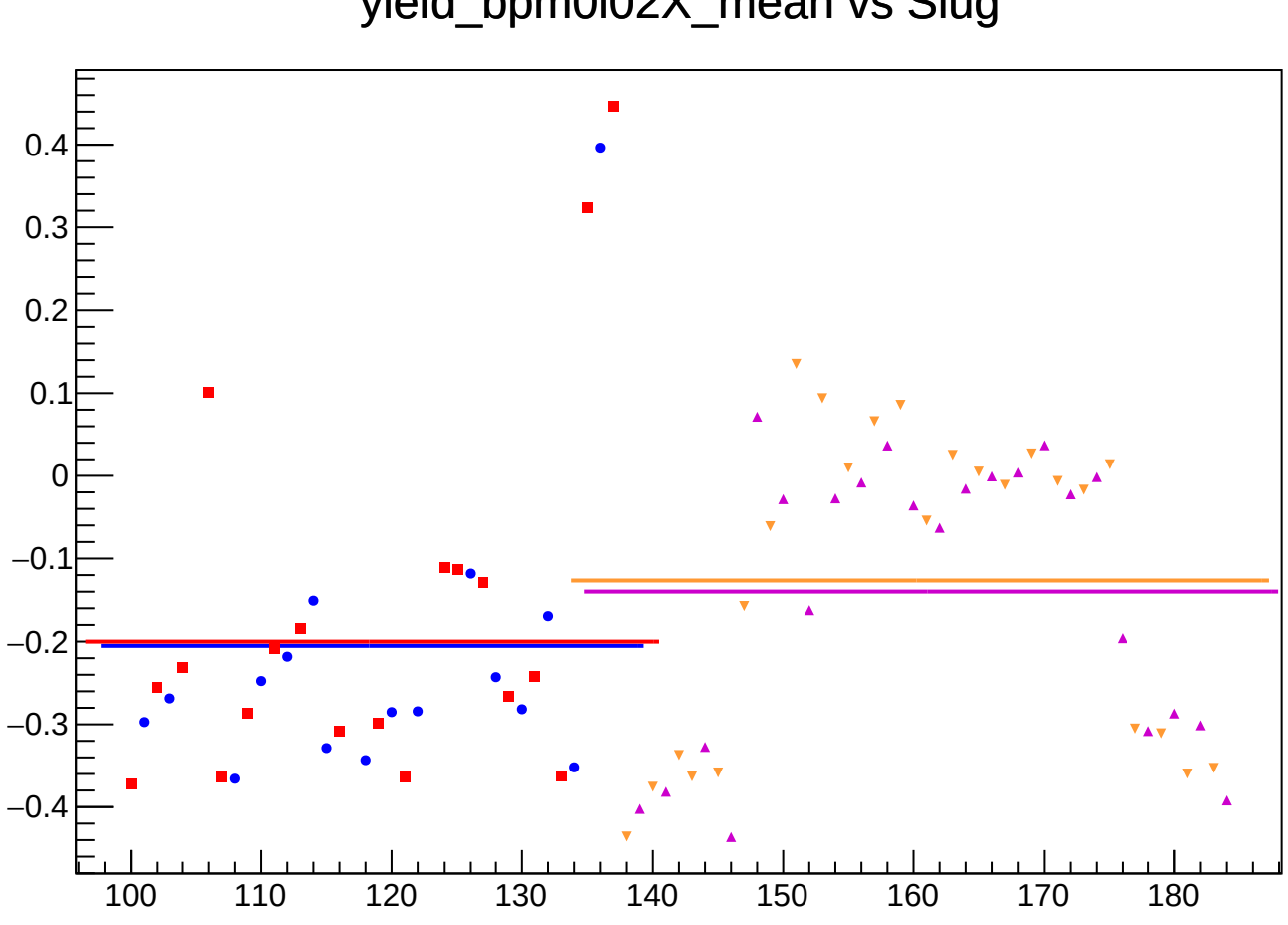
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 727005.5/39

All: 0.005+/-0.000 χ^2/NDF: 1593901.9/81

- sign 0.005+/-0.000 χ^2/NDF: 860243.8/41



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

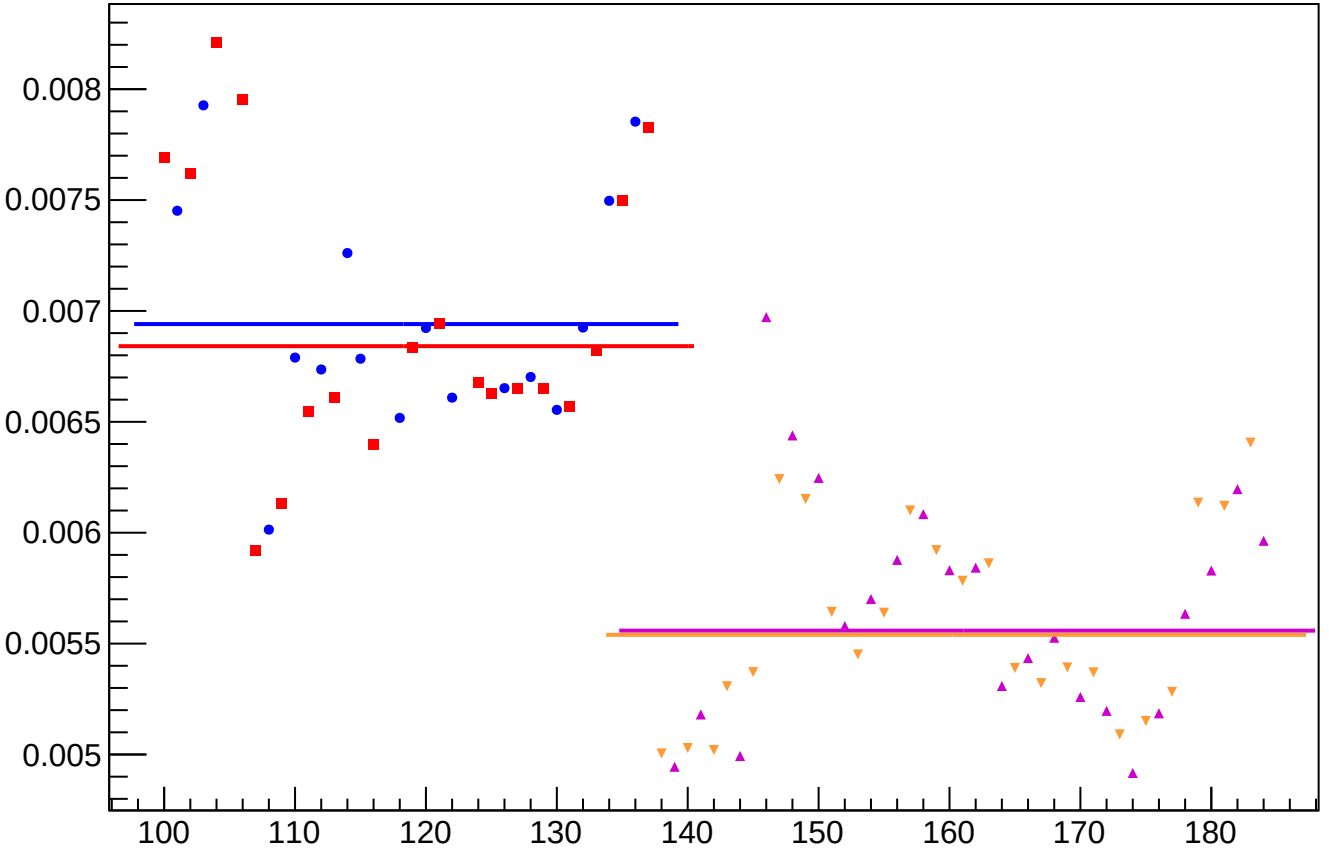
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.142+/-0.000 χ^2/NDF: 27824353400.5/39

All: -0.147+/-0.000 χ^2/NDF: 48702629820.7/

- sign -0.153+/-0.000 χ^2/NDF: 20836327790.1/41

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:198067.4/23

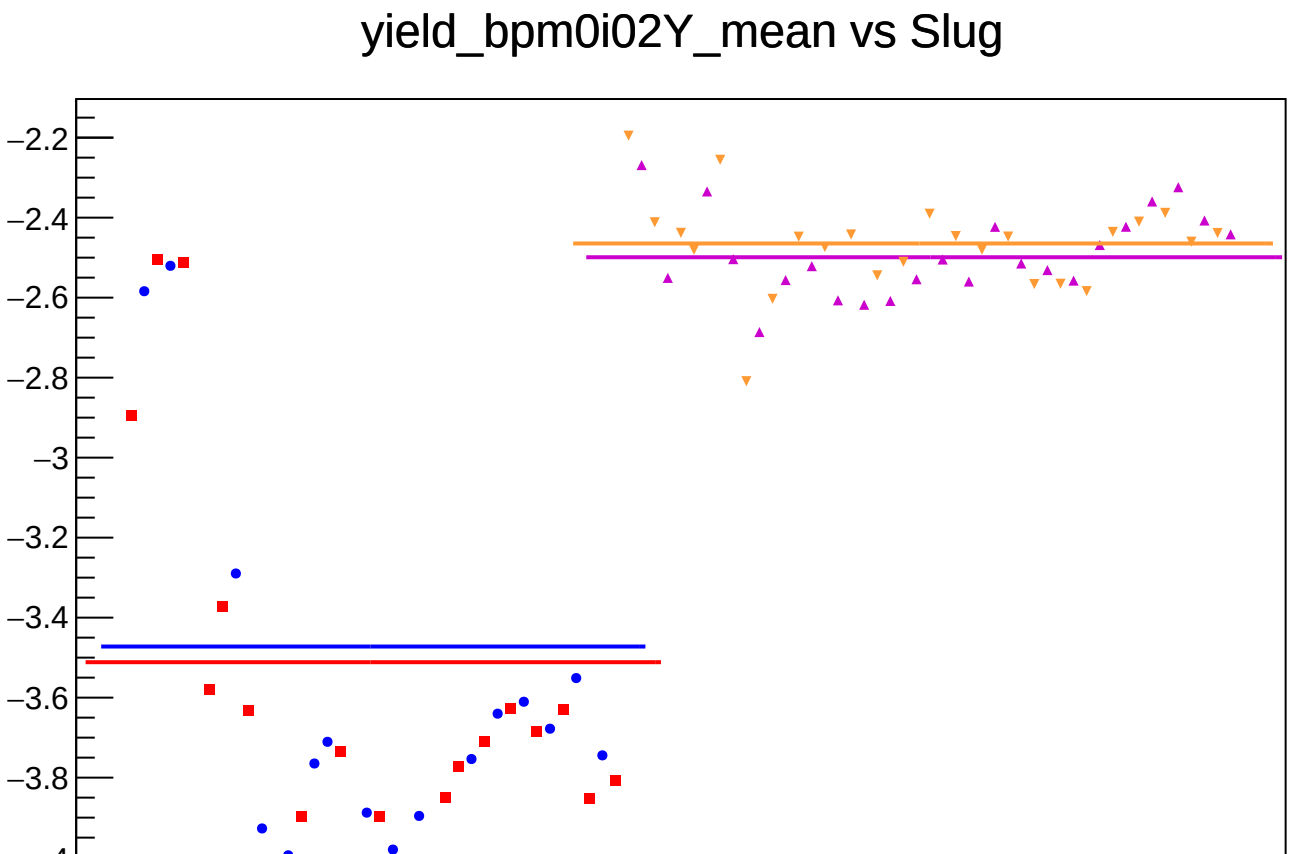
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 742862.8/39

All: 0.006+/-0.000 χ^2/NDF: 1501552.5/81

- sign 0.006+/-0.000 χ^2/NDF: 758455.8/41



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

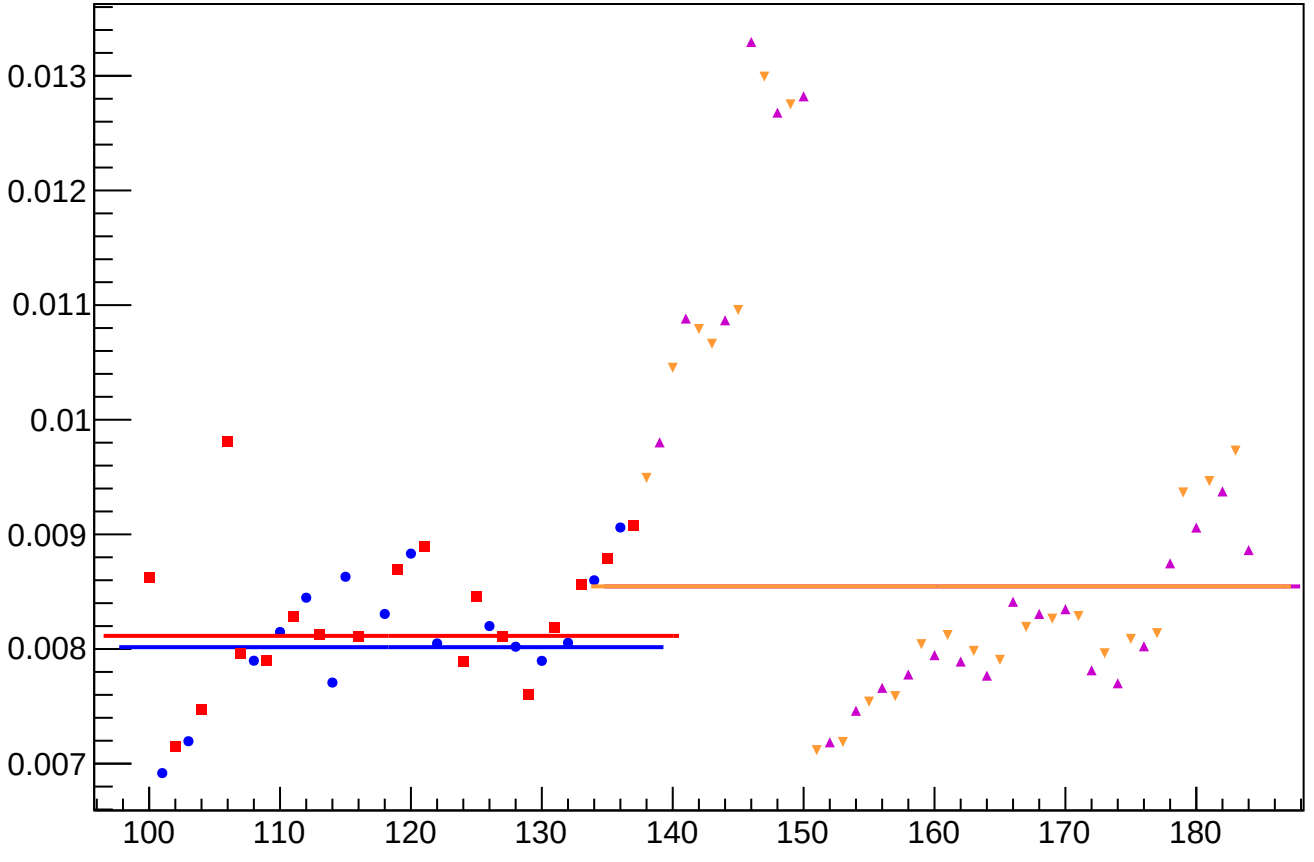
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.775+/-0.000 χ^2/NDF: 108127191234.5/39

All: -2.797+/-0.000 χ^2/NDF: 216204527108.3

- sign -2.819+/-0.000 χ^2/NDF: 107746755825.3/41

yield_bpm0i02Y_rms vs Slug



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

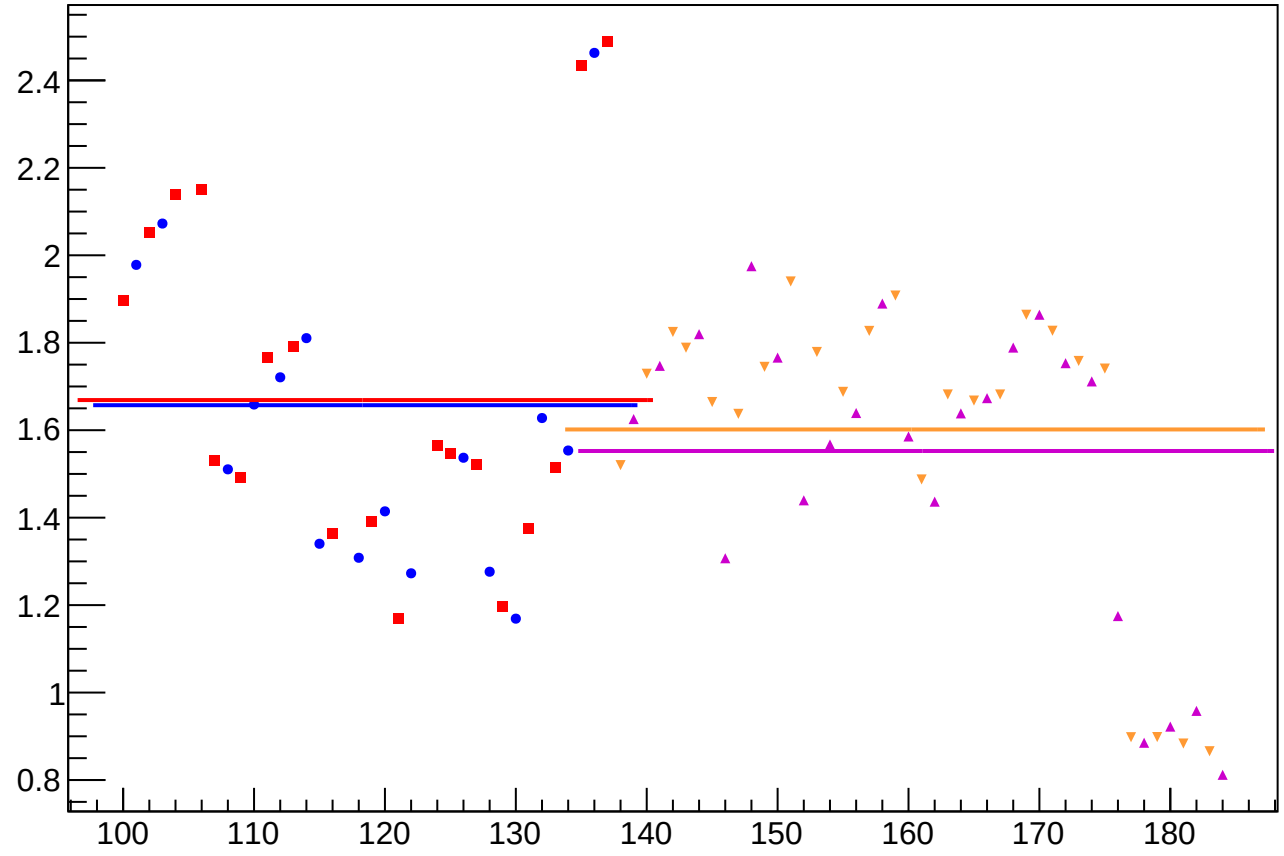
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 946401.1/39

All: 0.008+/-0.000 χ^2/NDF: 1955971.5/81

- sign 0.008+/-0.000 χ^2/NDF: 1009321.5/41

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

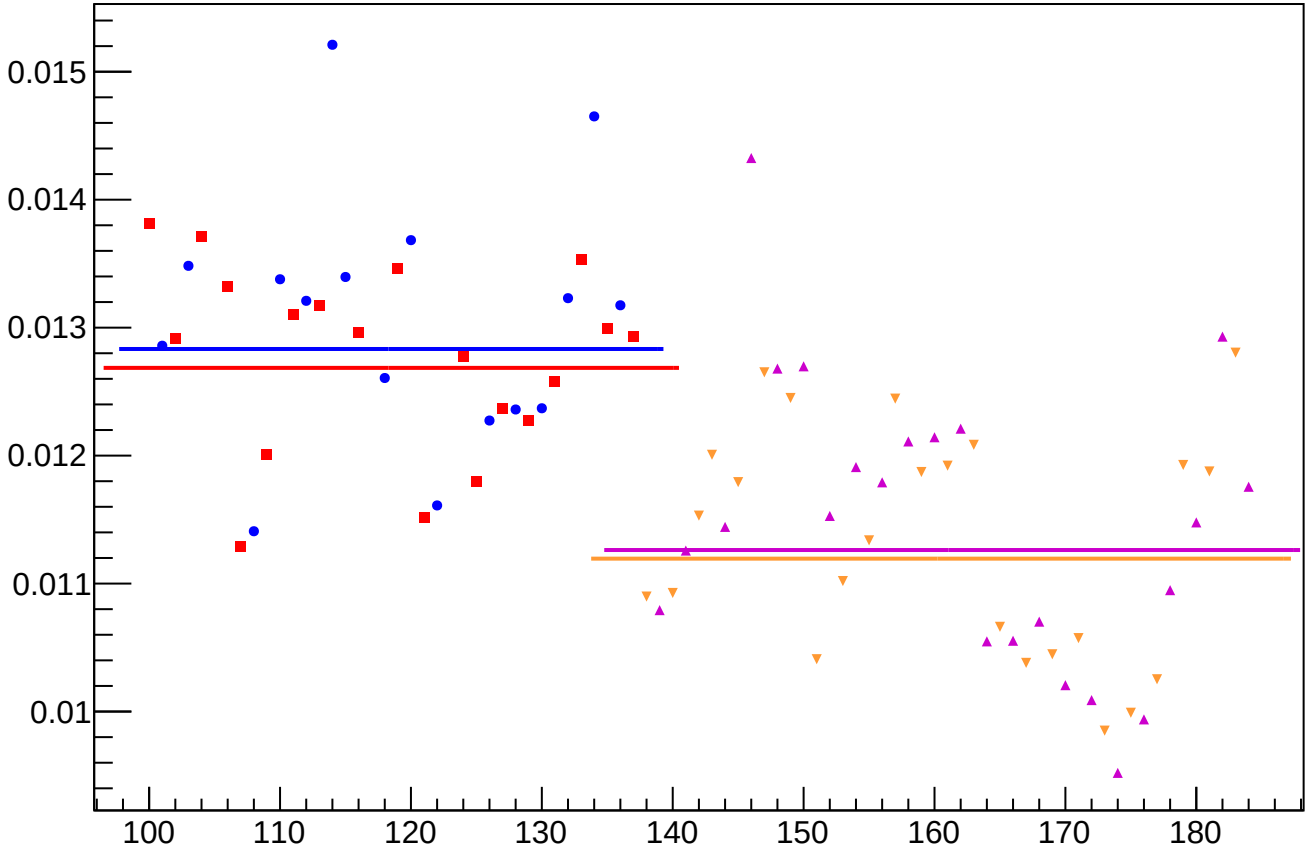
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.614+/-0.000 χ^2/NDF: 22652398177.1/39

All: 1.598+/-0.000 χ^2/NDF: 43624976084.5/8

- sign 1.581+/-0.000 χ^2/NDF: 20871649863.7/41

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

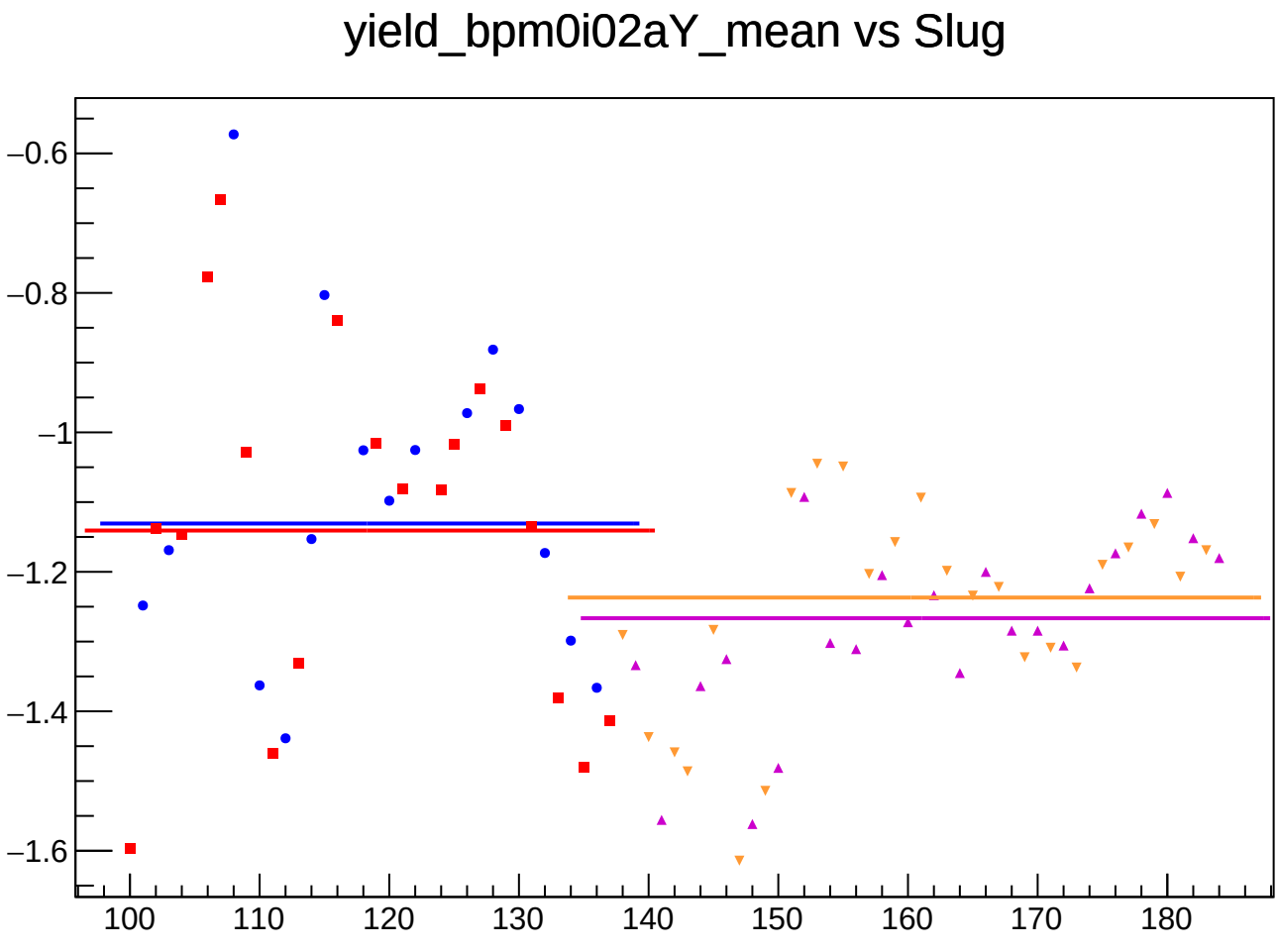
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 451389.6/39

All: 0.012+/-0.000 χ^2/NDF: 943517.1/81

- sign 0.012+/-0.000 χ^2/NDF: 491712.2/41



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

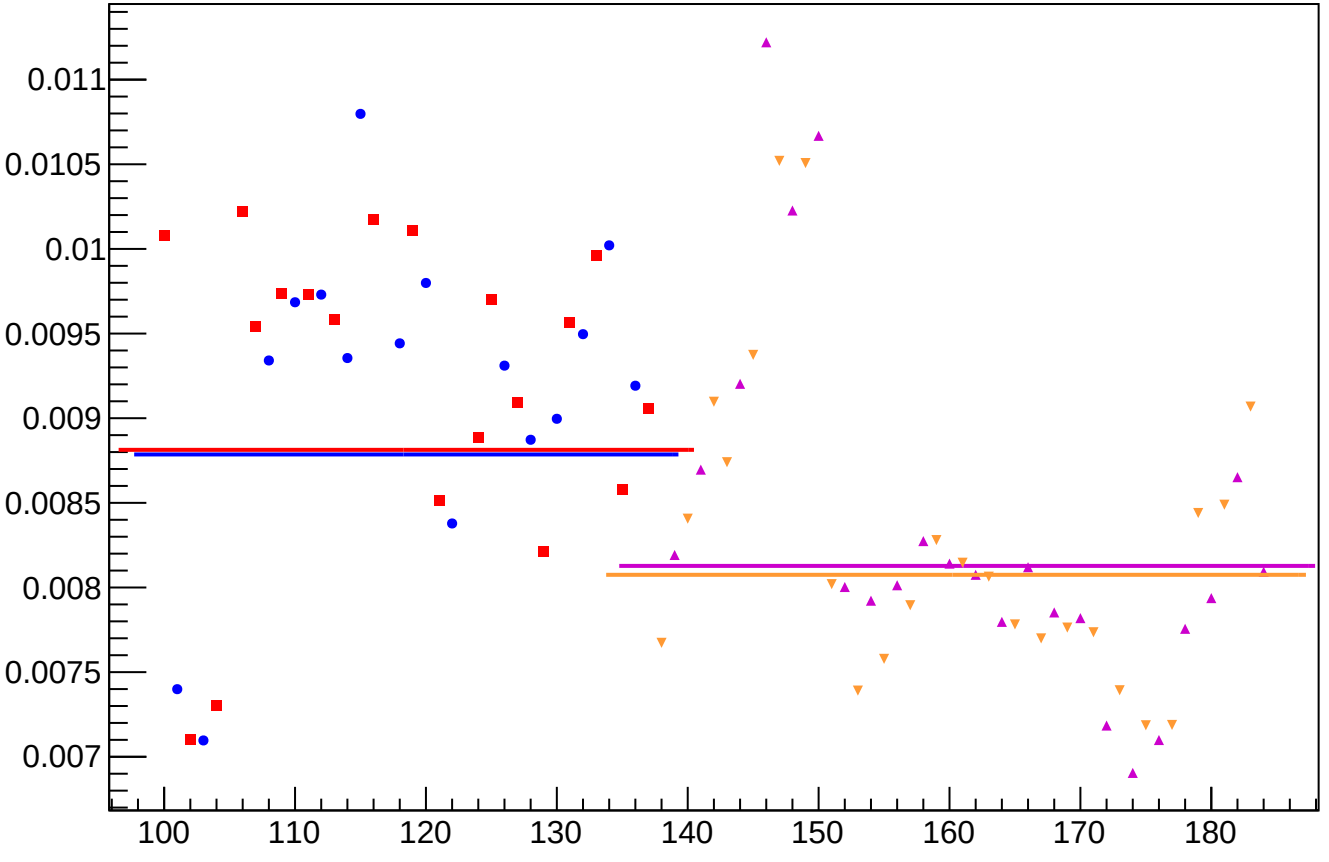
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.211+/-0.000 χ^2/NDF: 9517225562.0/39

All: -1.222+/-0.000 χ^2/NDF: 17884147635.8/

- sign -1.234+/-0.000 χ^2/NDF: 8269489459.9/41

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

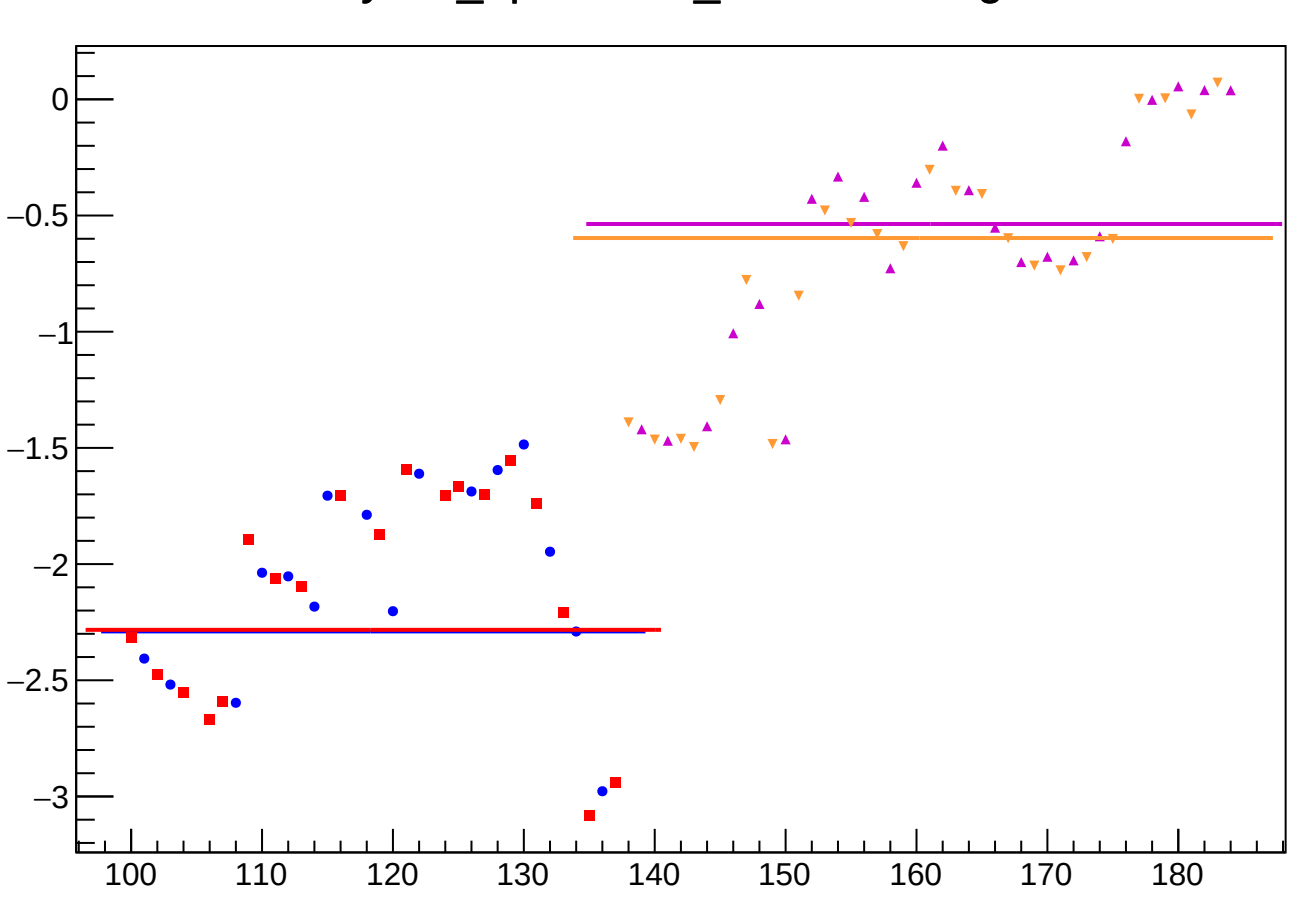
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 562995.9/39

All: 0.008+/-0.000 χ^2/NDF: 1239961.0/81

- sign 0.008+/-0.000 χ^2/NDF: 675924.7/41



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

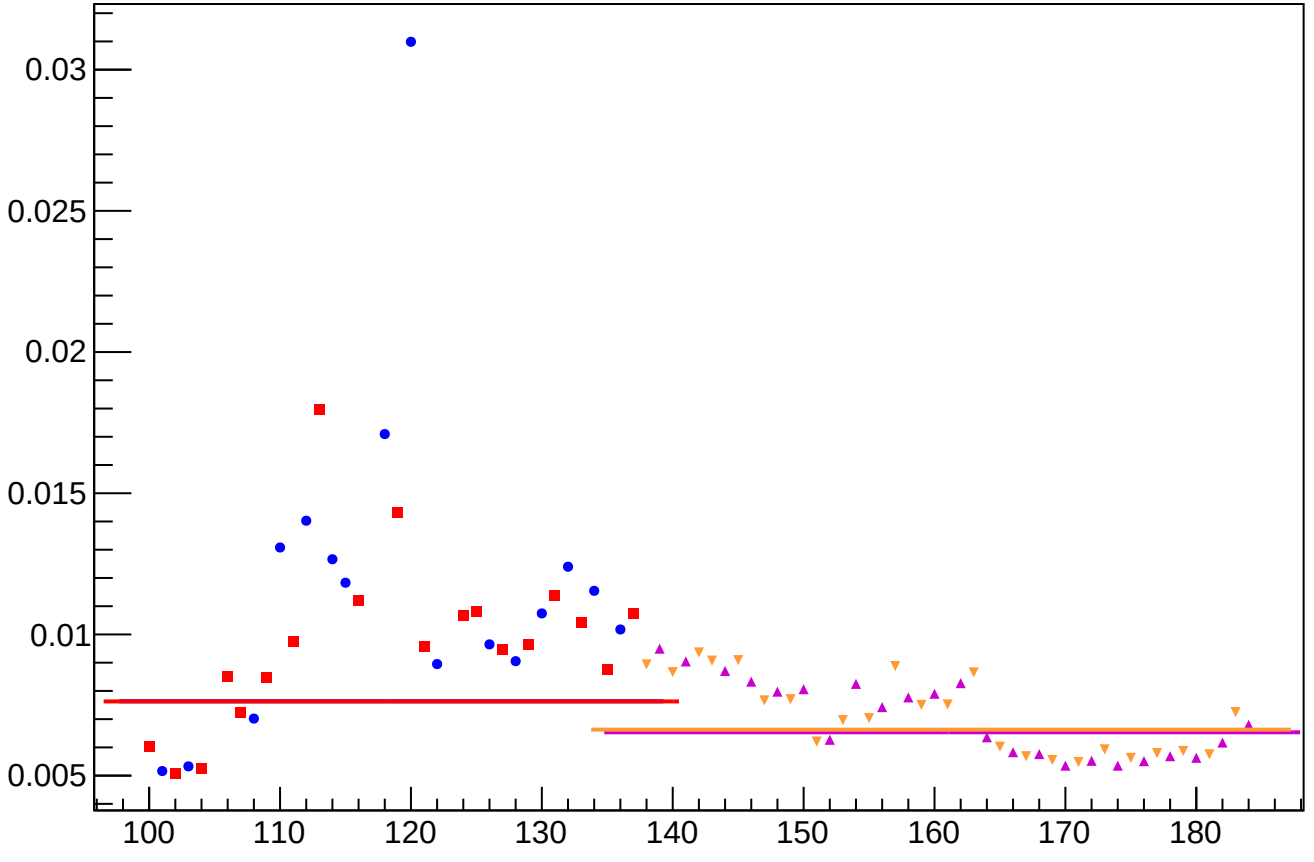
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.916+/-0.000 χ^2/NDF: 289502543783.7/39

All: -0.904+/-0.000 χ^2/NDF: 608079978483.6

- sign -0.893+/-0.000 χ^2/NDF: 318458788346.5/41

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

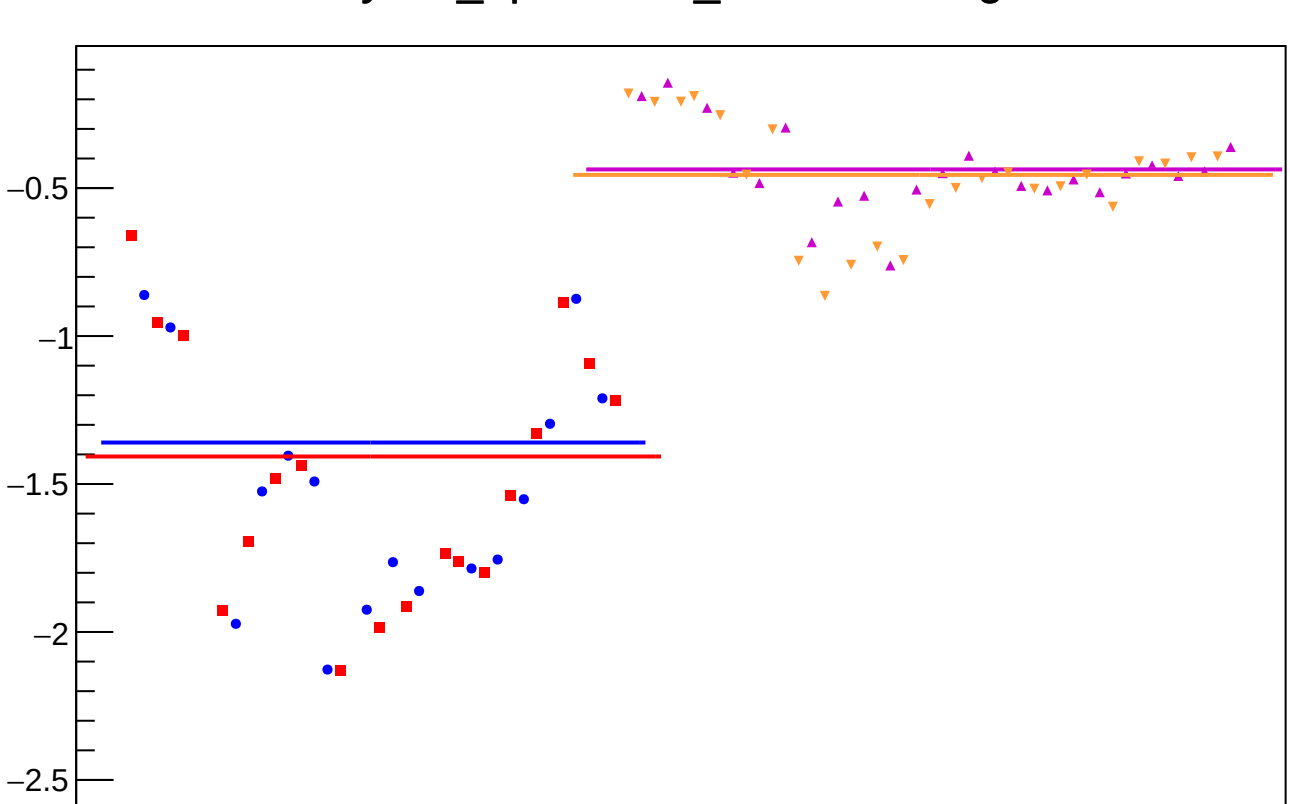
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2922284.3/39

All: 0.007+/-0.000 χ^2/NDF: 5573949.5/81

- sign 0.007+/-0.000 χ^2/NDF: 2649999.7/41



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

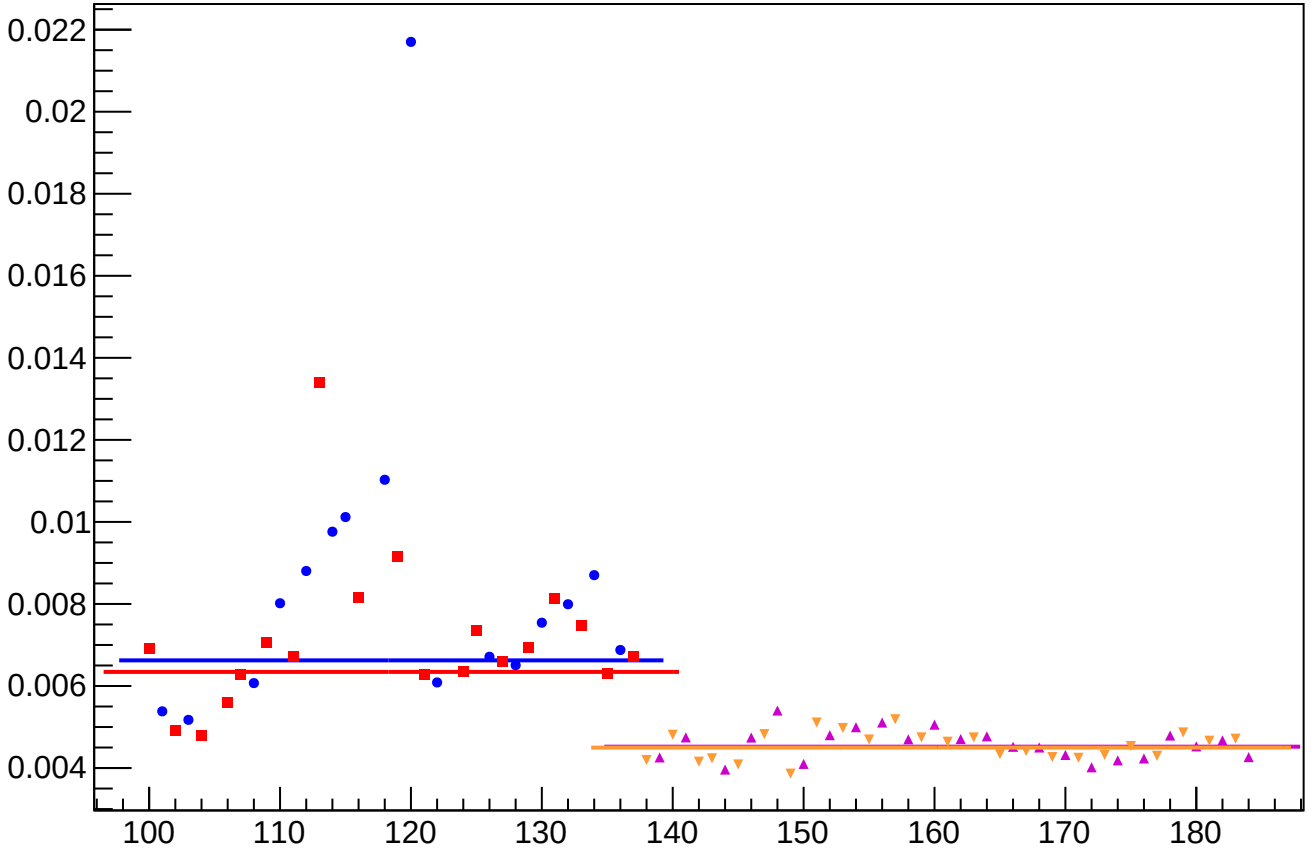
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.576+/-0.000 χ^2/NDF: 143918151218.2/39

All: -0.582+/-0.000 χ^2/NDF: 311014098507.6

- sign -0.589+/-0.000 χ^2/NDF: 167005646622.4/41

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

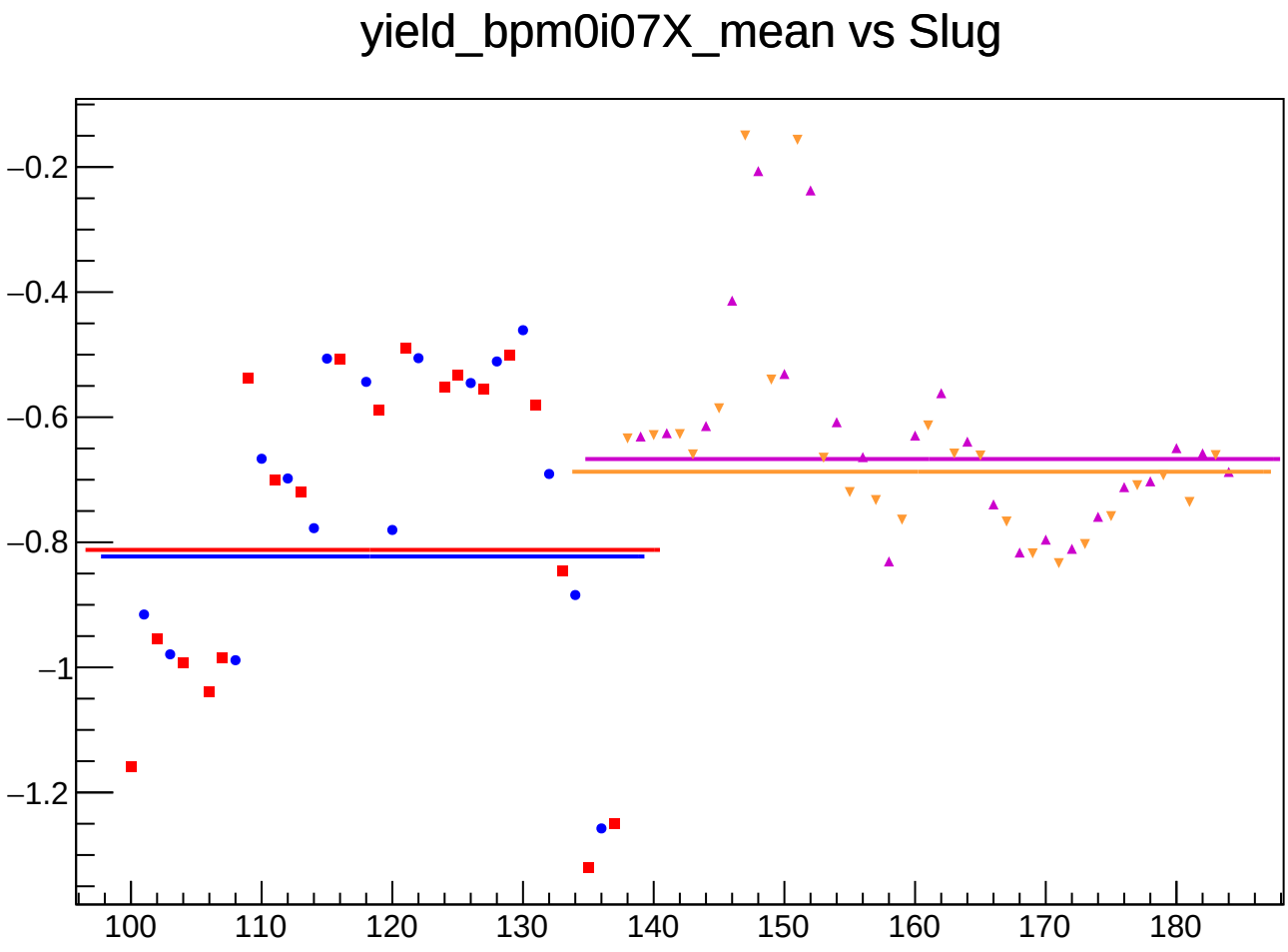
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 1916316.0/39

All: 0.005+/-0.000 χ^2/NDF: 3510005.7/81

- sign 0.005+/-0.000 χ^2/NDF: 1593027.5/41



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

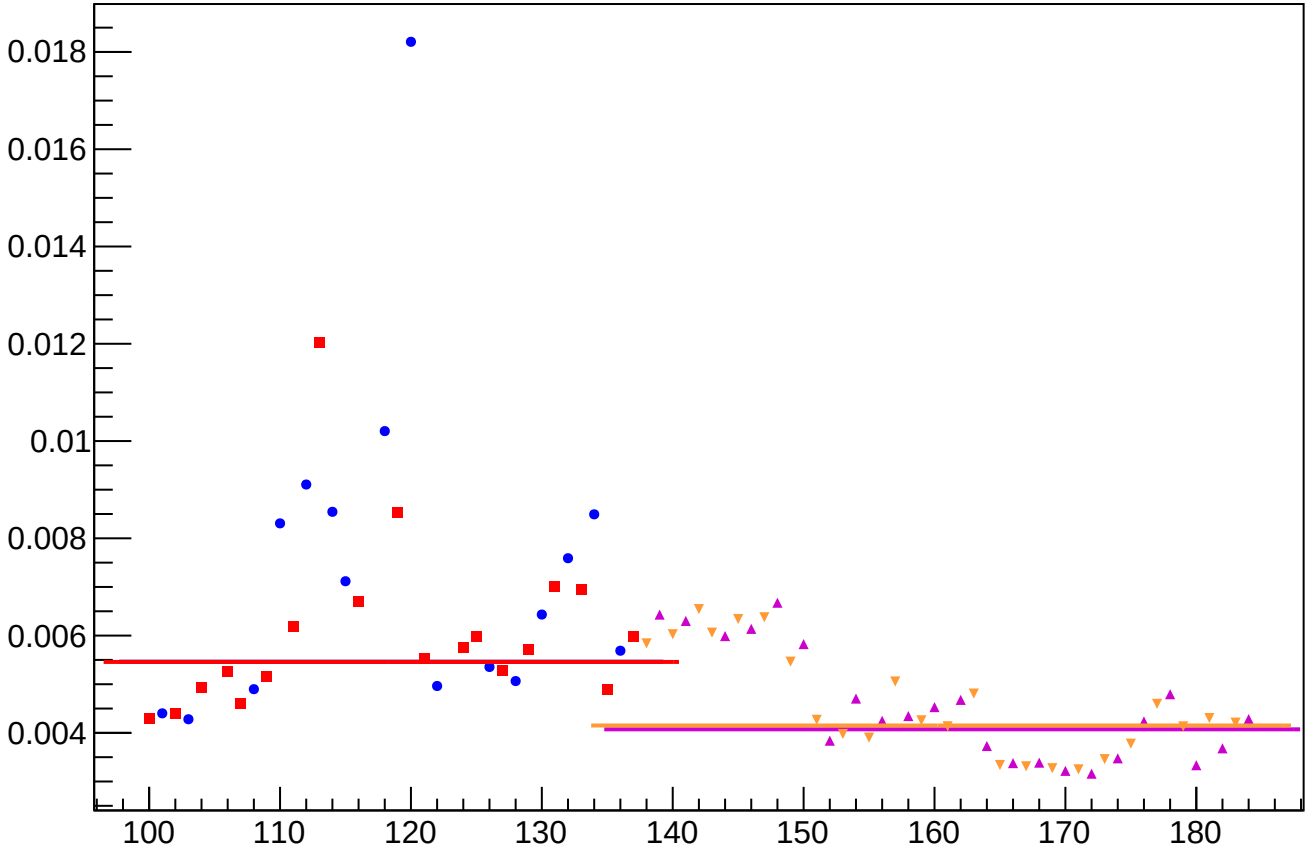
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 37530931456.9/39

All: -0.701+/-0.000 χ^2/NDF: 78563373654.7/

- sign -0.692+/-0.000 χ^2/NDF: 40869180035.7/41

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

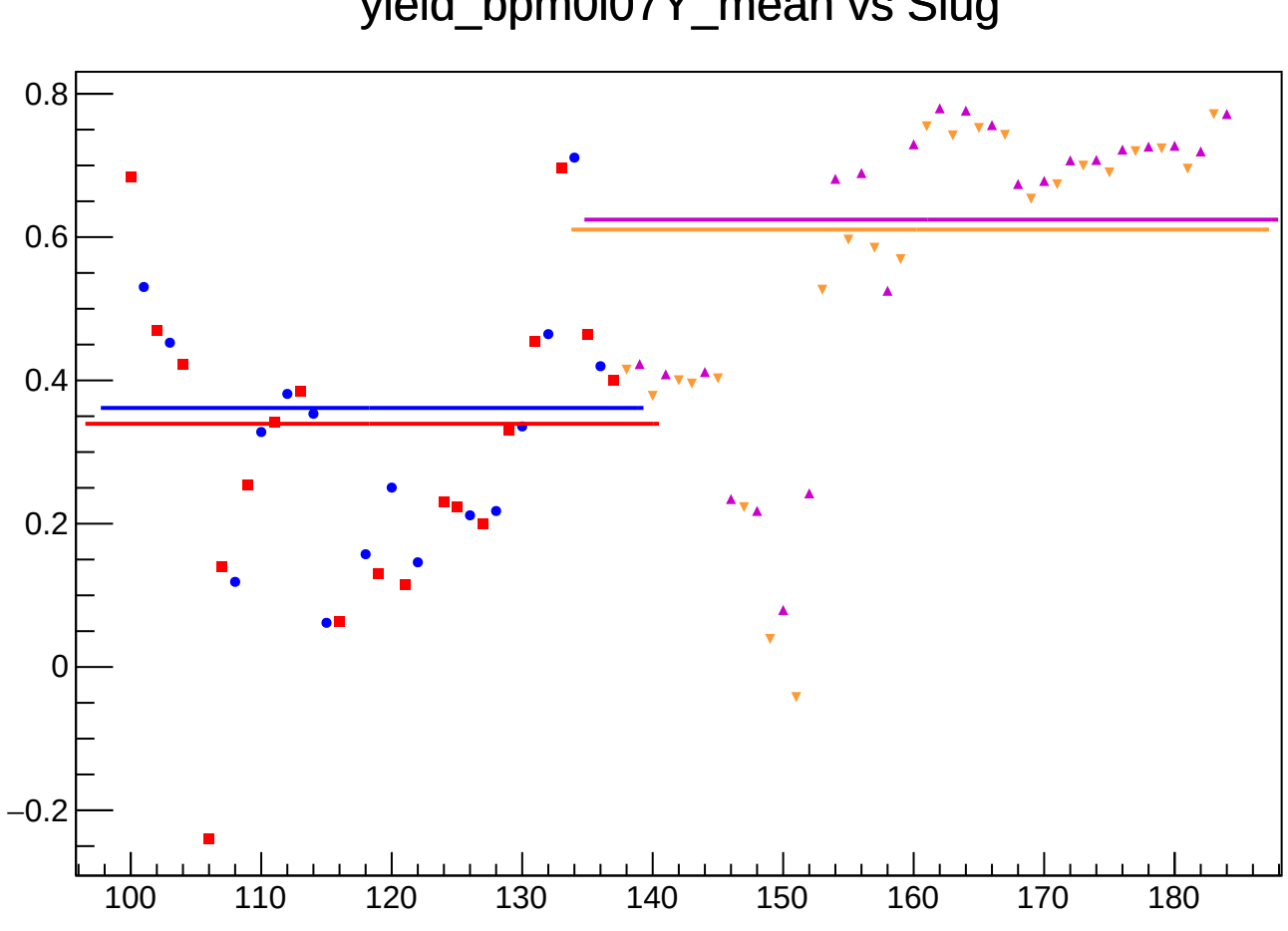
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 2999216.5/39

All: 0.004+/-0.000 χ^2/NDF: 5899087.5/81

- sign 0.004+/-0.000 χ^2/NDF: 2897104.6/41



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

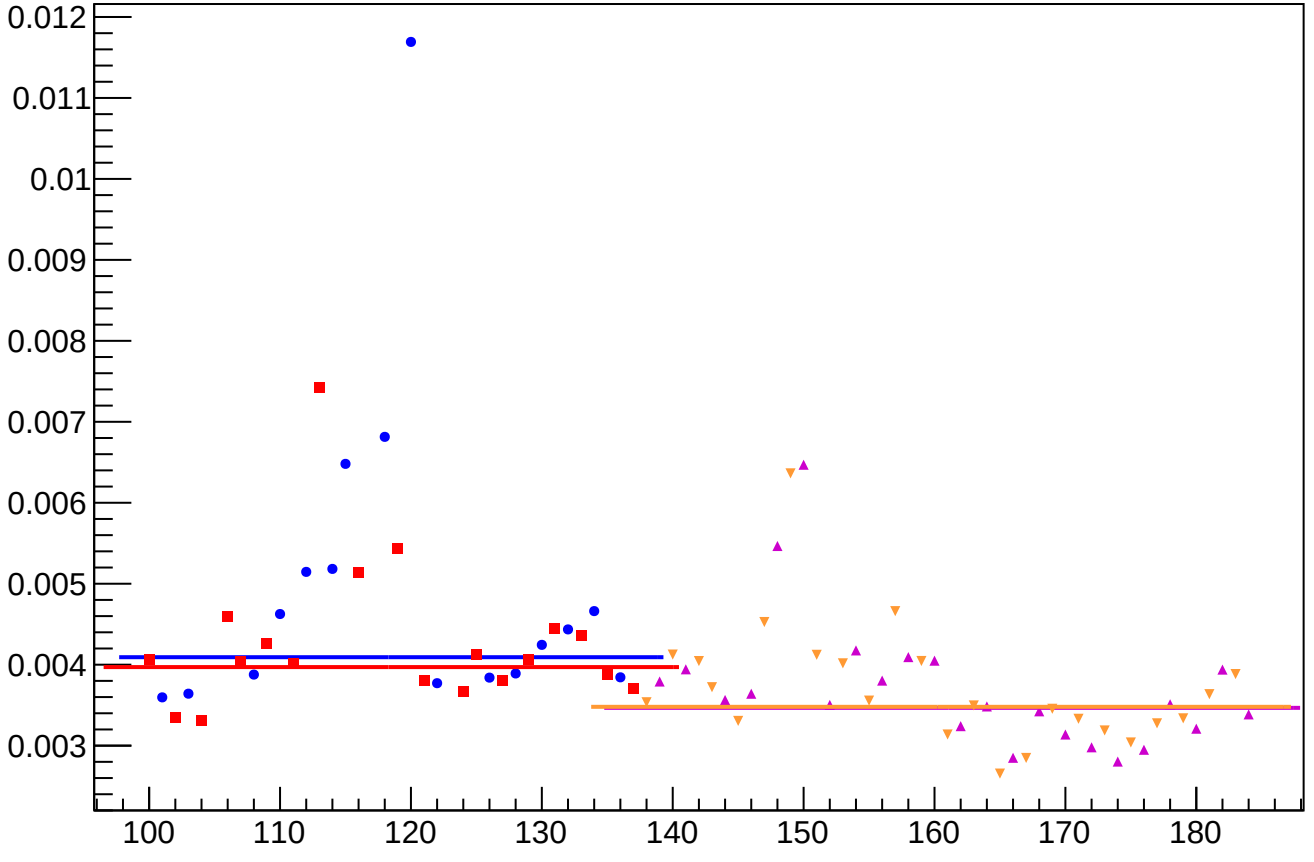
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.556+/-0.000 χ^2/NDF: 71925412295.8/39

All: 0.556+/-0.000 χ^2/NDF: 149335401835.4

- sign 0.555+/-0.000 χ^2/NDF: 77409210131.1/41

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

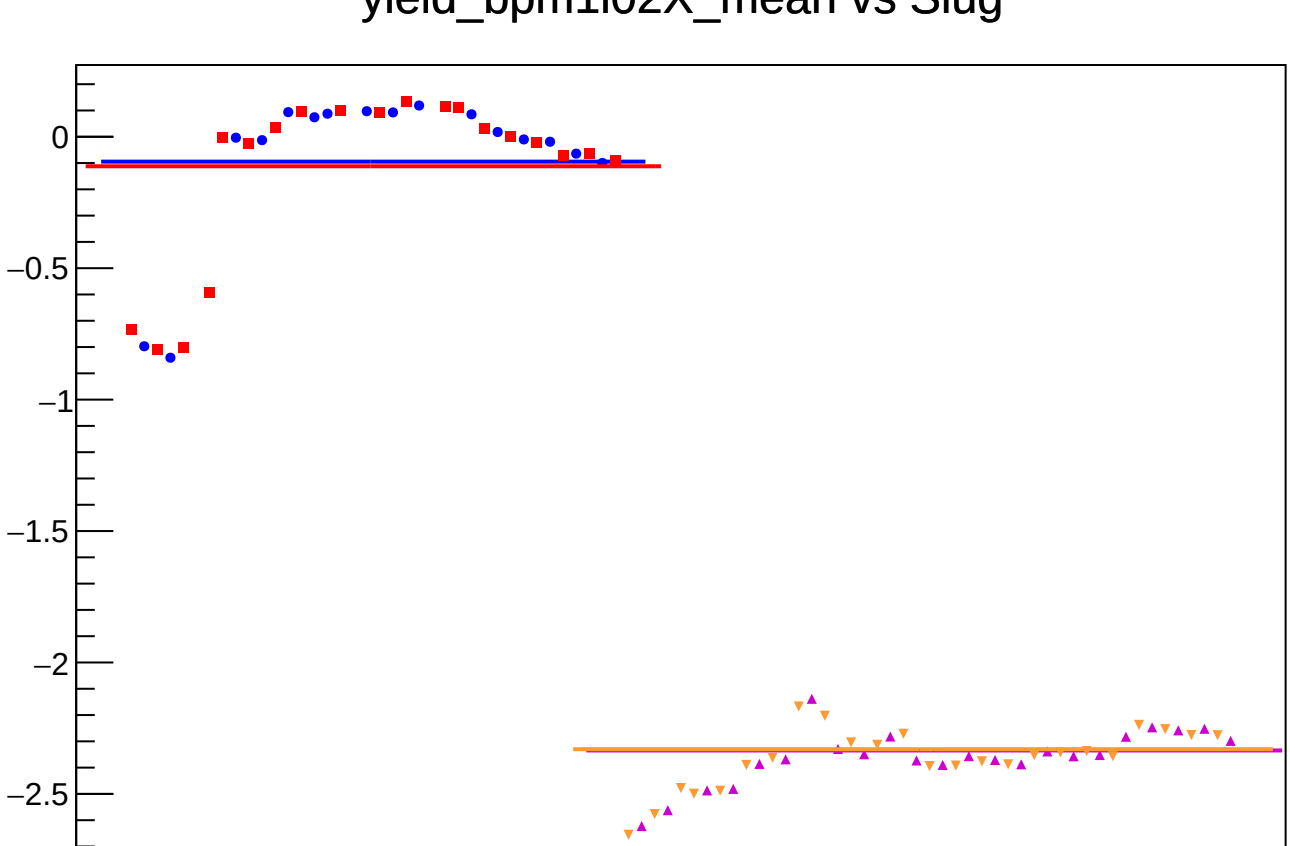
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.004+/-0.000 χ^2/NDF: 1532821.6/39

All: 0.004+/-0.000 χ^2/NDF: 2897727.0/81

- sign 0.004+/-0.000 χ^2/NDF: 1363916.4/41



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

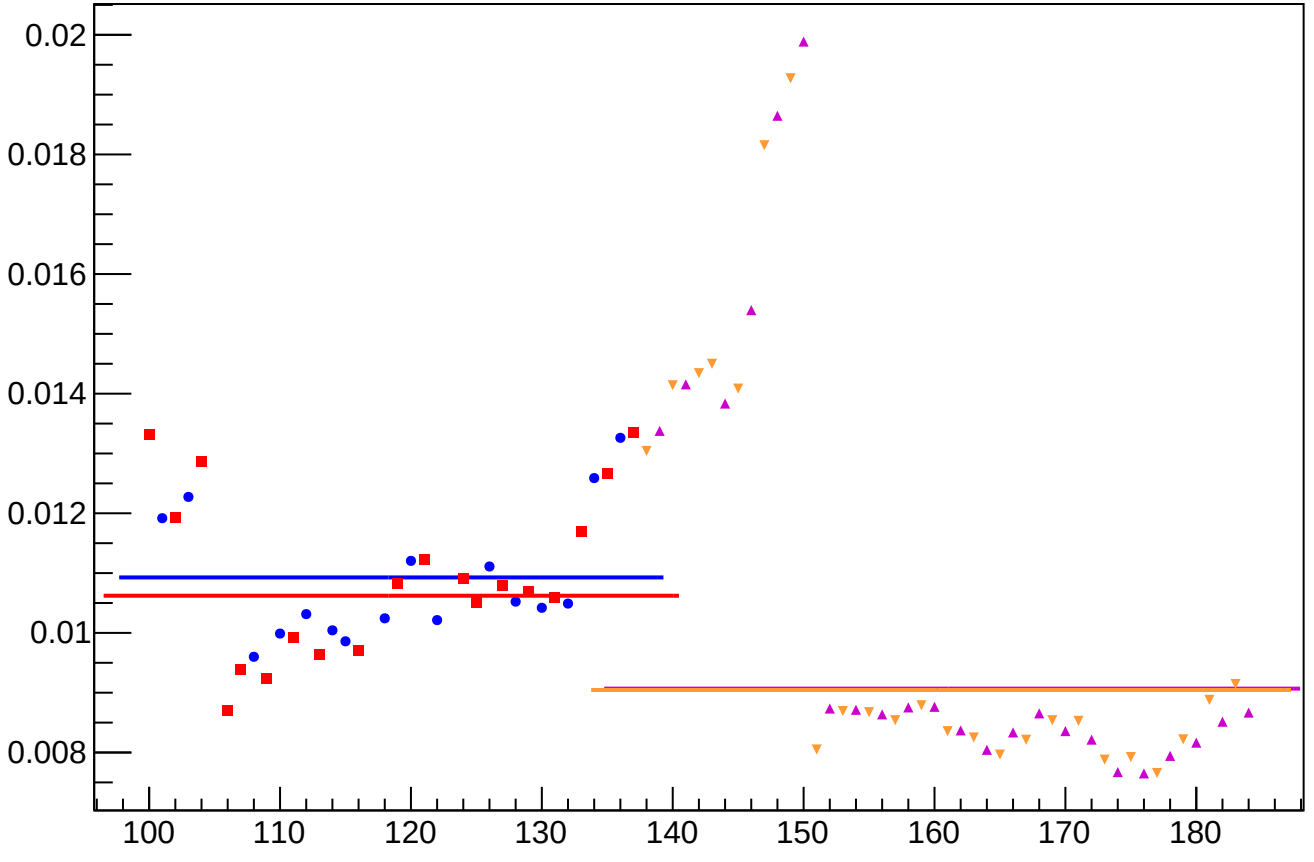
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.852+/-0.000 χ^2/NDF: 241712378562.4/39

All: -1.828+/-0.000 χ^2/NDF: 495651767421.

- sign -1.805+/-0.000 χ^2/NDF: 253635383962.2/41

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

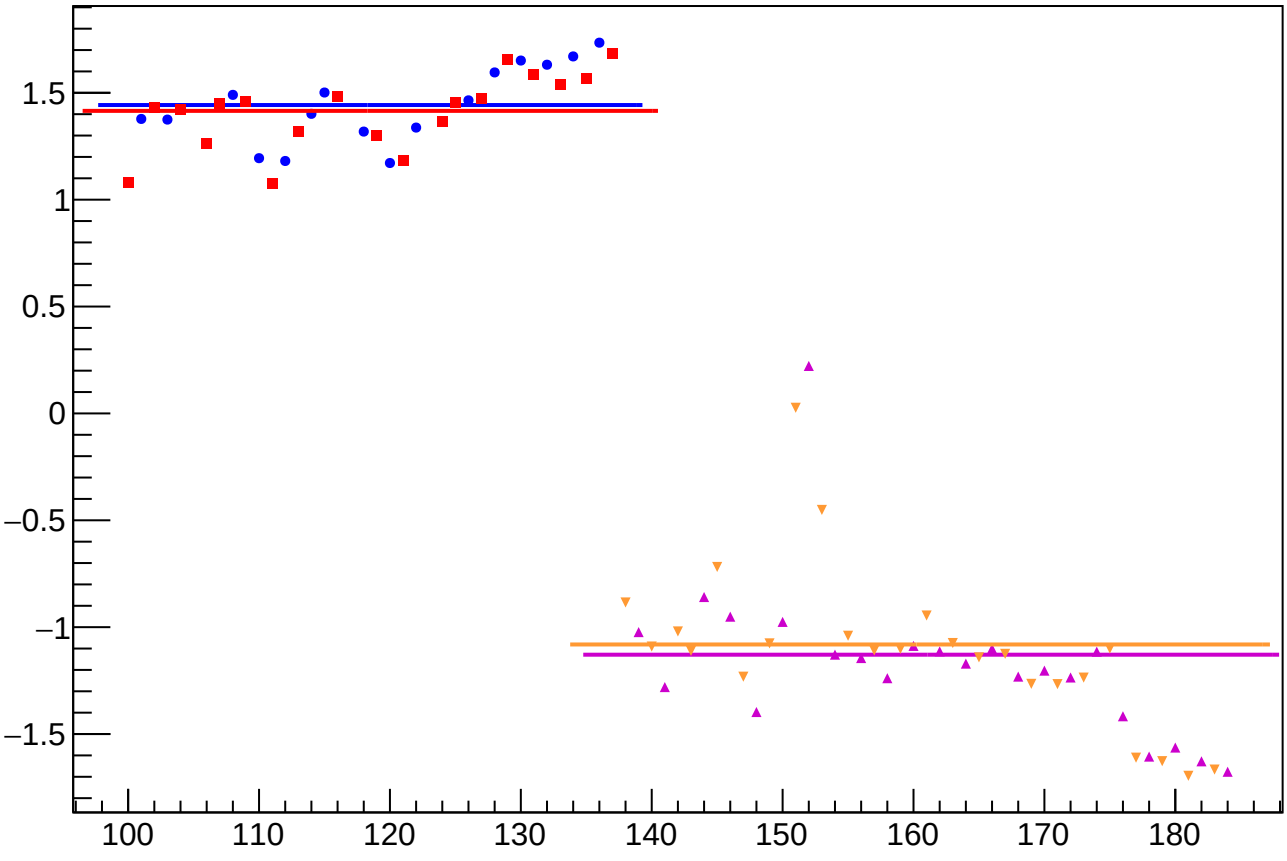
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.009+/-0.000 χ^2/NDF: 2517332.1/39

All: 0.009+/-0.000 χ^2/NDF: 5082220.3/81

- sign 0.009+/-0.000 χ^2/NDF: 2564863.3/41

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

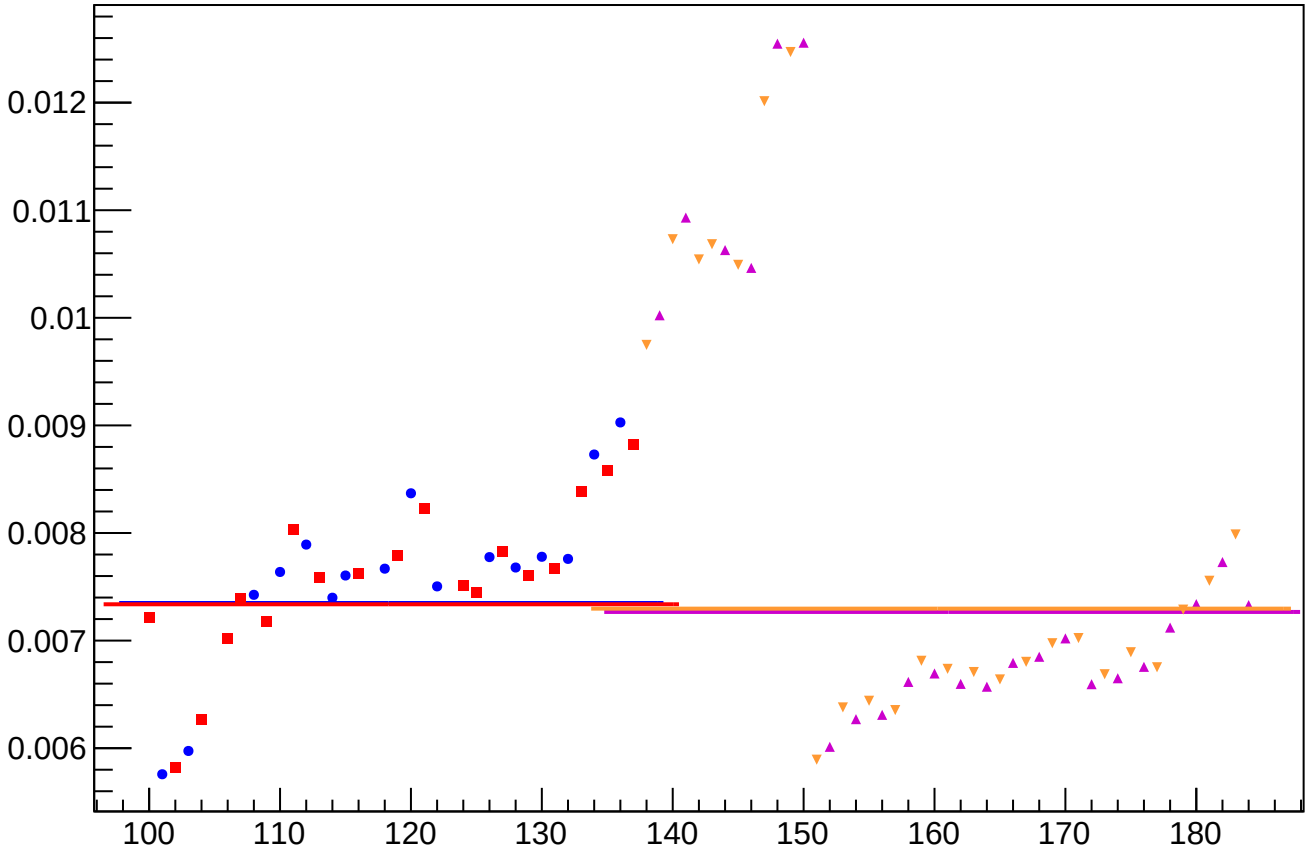
Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.383+/-0.000 χ^2/NDF: 666018847824.2/39

All: -0.384+/-0.000 χ^2/NDF: 1354610860940

- sign -0.384+/-0.000 χ^2/NDF: 688591708181.7/41



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1501686.1/23

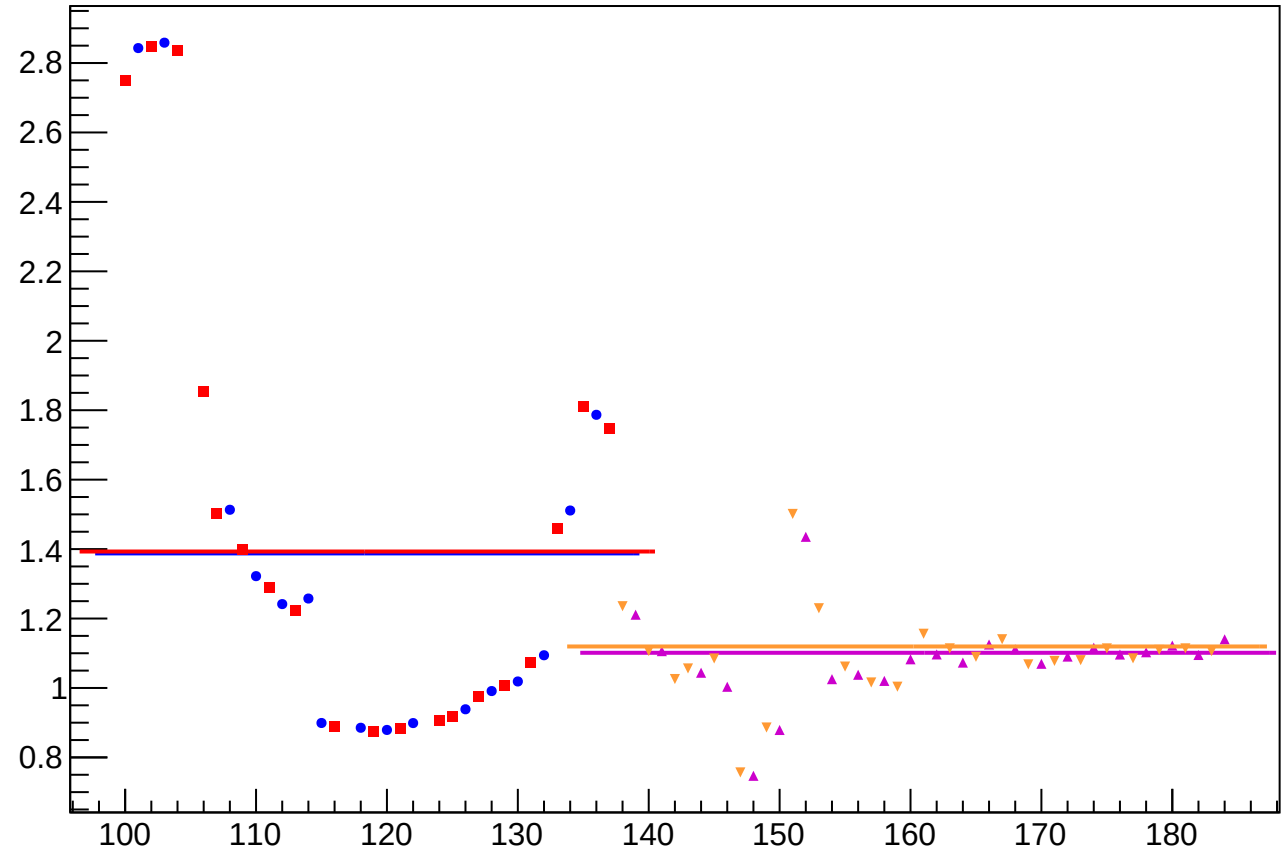
Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1773068.9/39

All: 0.007+/-0.000 χ^2/NDF: 3529792.2/81

- sign 0.007+/-0.000 χ^2/NDF: 1756444.5/41



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

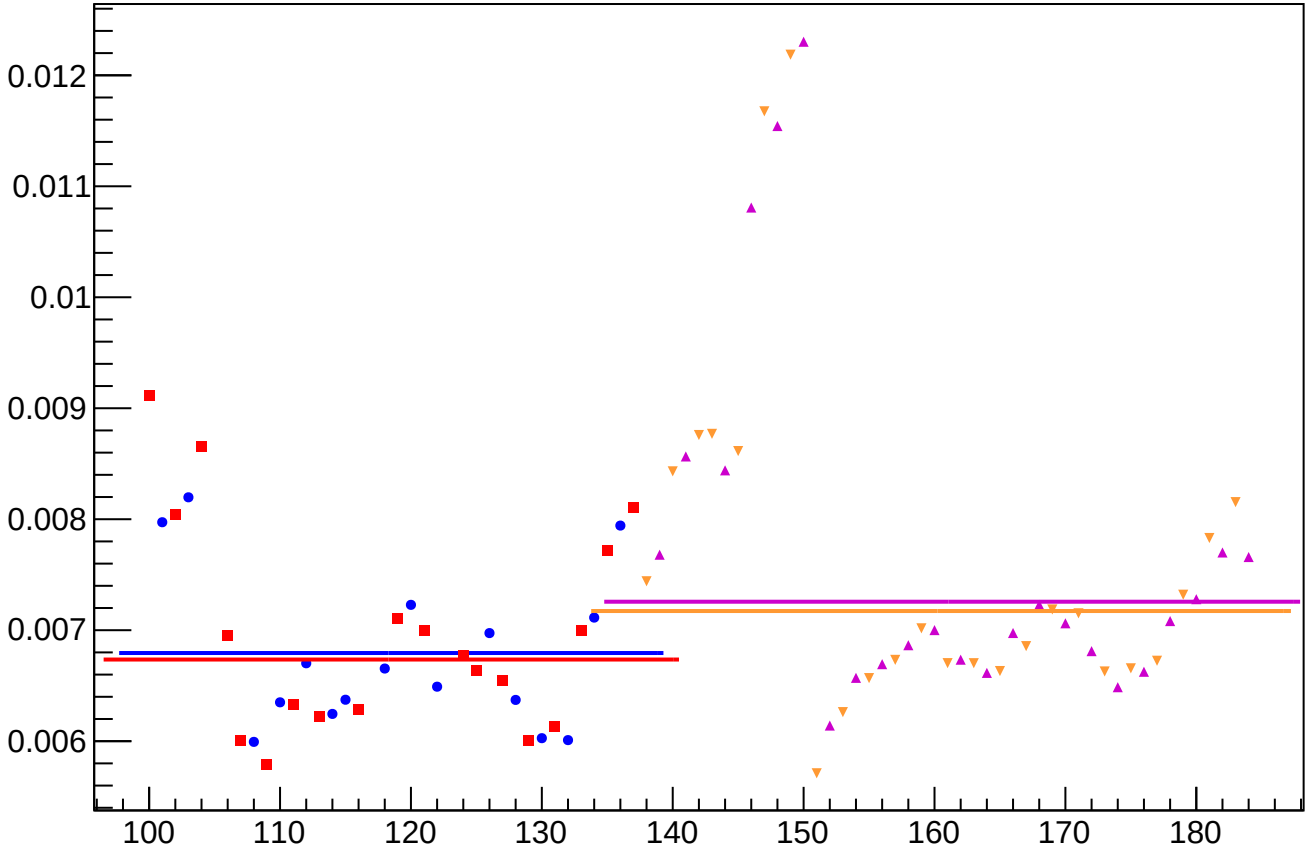
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.201+/-0.000 χ^2/NDF: 71830933633.6/39

All: 1.199+/-0.000 χ^2/NDF: 140674986988.4

- sign 1.197+/-0.000 χ^2/NDF: 68840371270.6/41

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:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1083000.3/39

All: 0.007+/-0.000 χ^2/NDF: 2257745.9/81

- sign 0.007+/-0.000 χ^2/NDF: 1174357.6/41

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

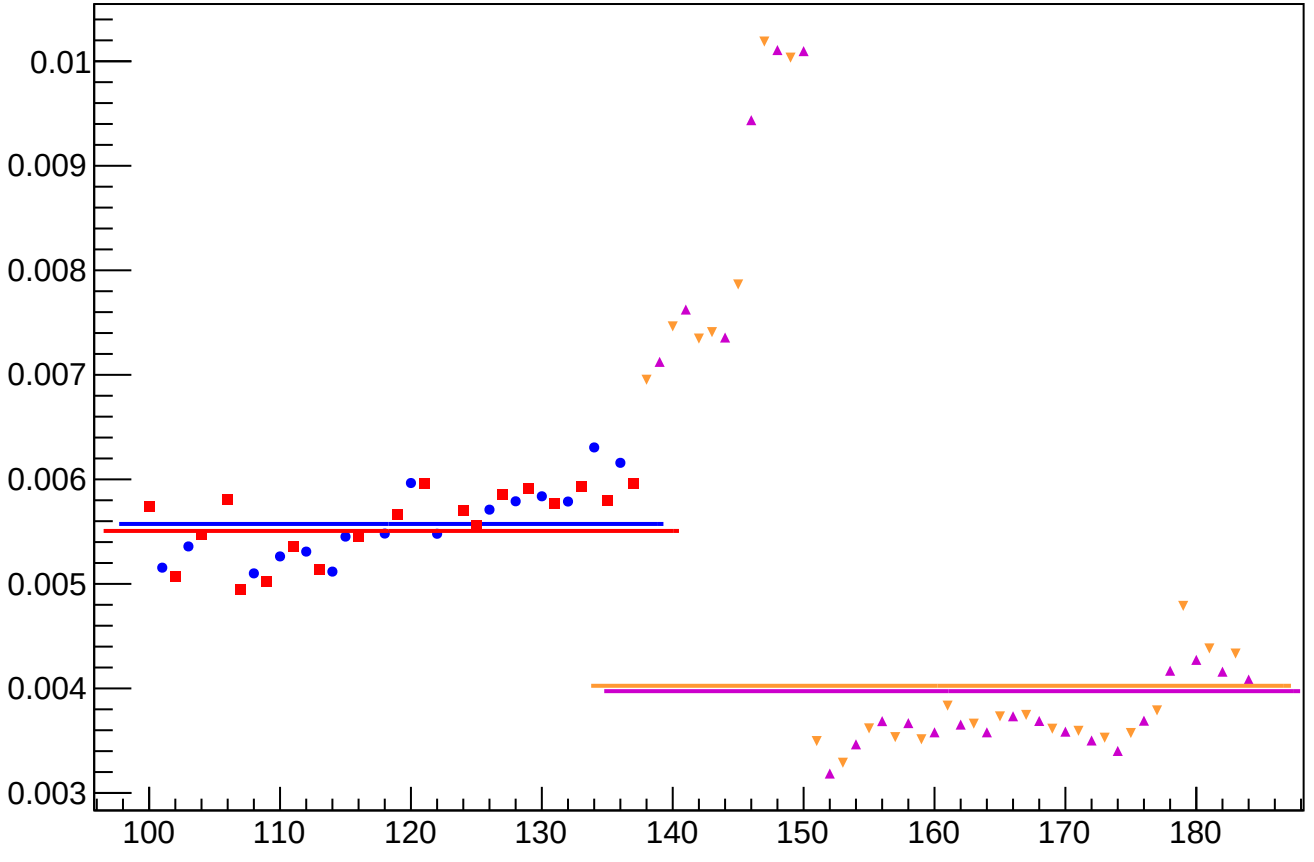
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.156+/-0.000 χ^2/NDF: 2123876919679.0/39

All: 1.173+/-0.000 χ^2/NDF: 4361004141050.

- sign 1.190+/-0.000 χ^2/NDF: 2236390607996.8/41

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

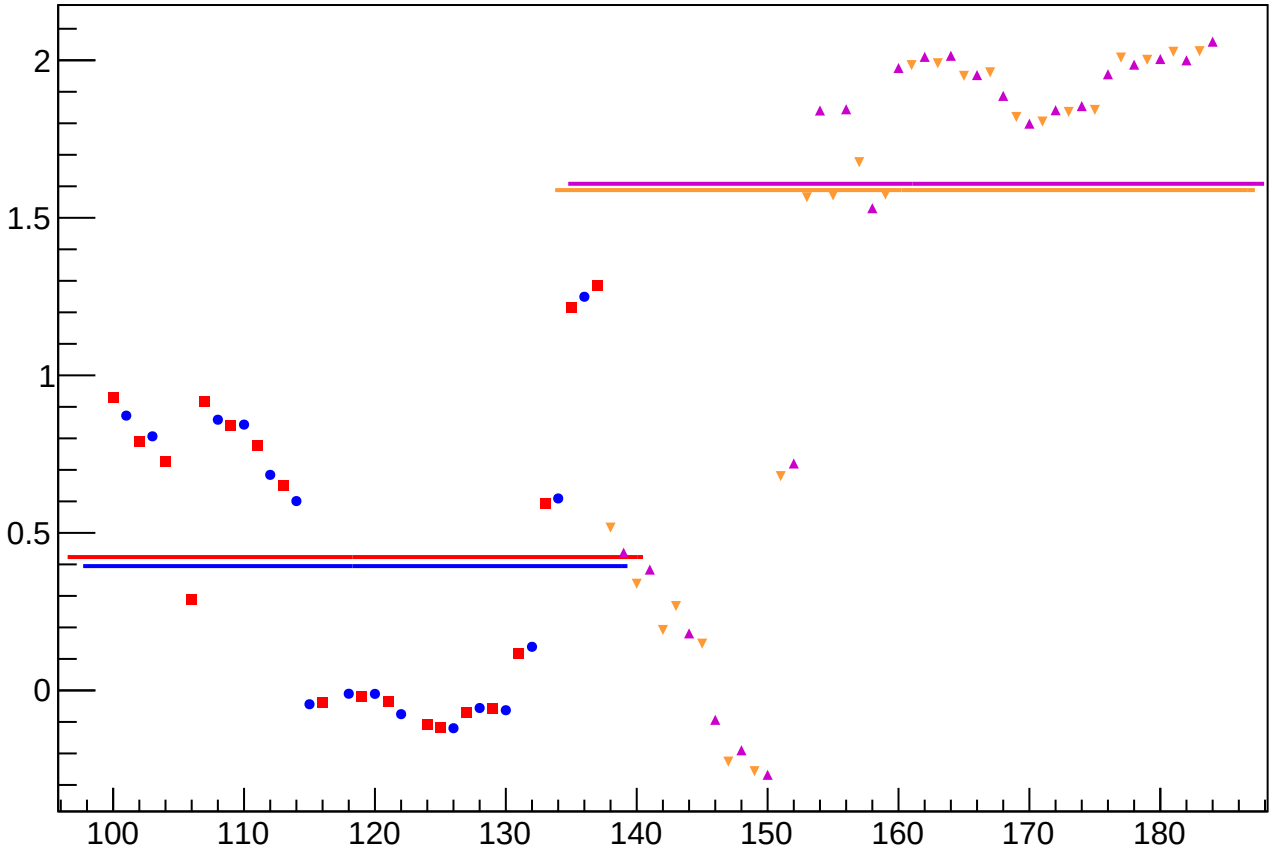
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 3927428.8/39

All: 0.004+/-0.000 χ^2/NDF: 8025442.0/81

- sign 0.004+/-0.000 χ^2/NDF: 4095900.3/41

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

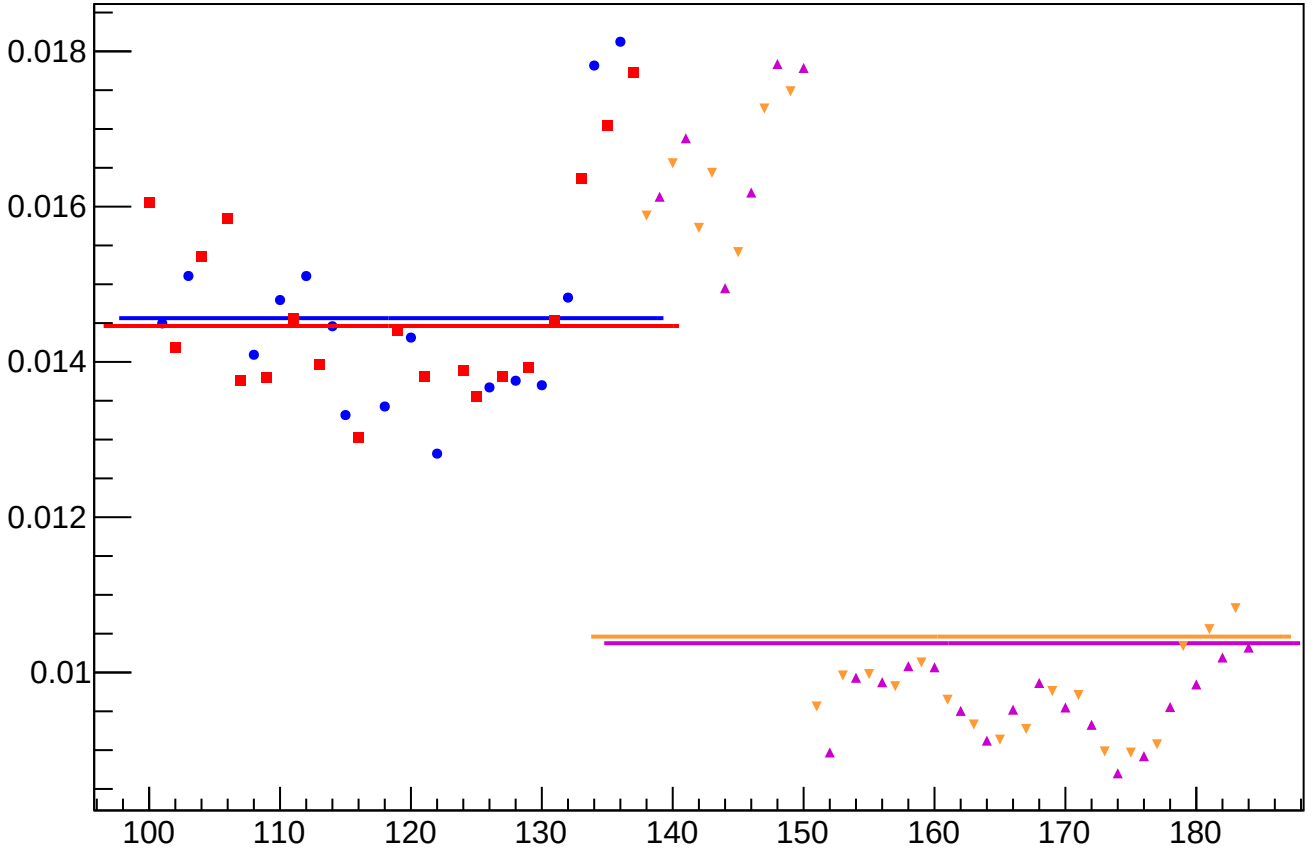
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.386+/-0.000 χ^2/NDF: 109149486632.5/39

All: 1.392+/-0.000 χ^2/NDF: 222635916816.3

- sign 1.397+/-0.000 χ^2/NDF: 113475527820.3/41

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

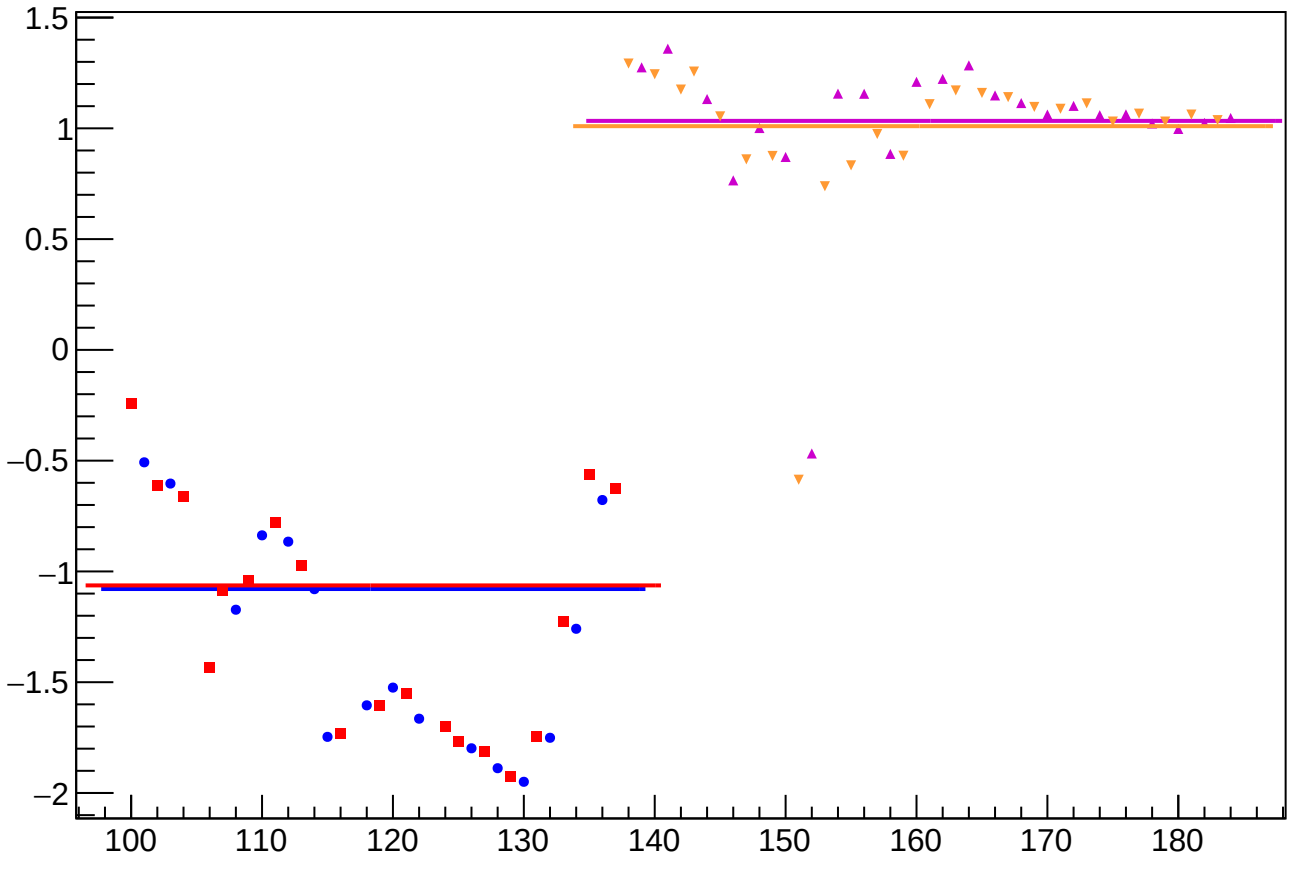
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2729108.6/39

All: 0.011+/-0.000 χ^2/NDF: 5473075.5/81

- sign 0.011+/-0.000 χ^2/NDF: 2743481.1/41



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

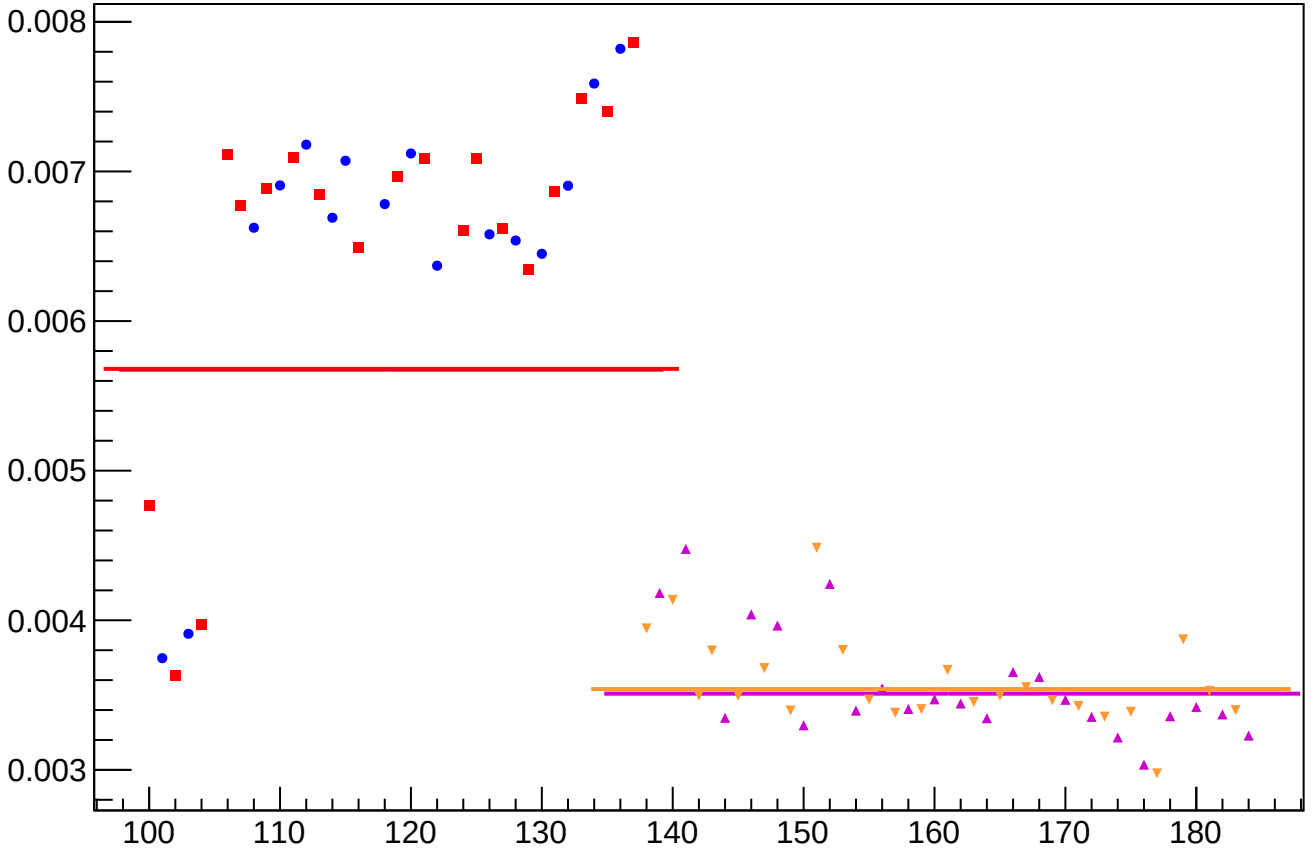
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.749+/-0.000 χ^2/NDF: 925592604226.7/39

All: 0.755+/-0.000 χ^2/NDF: 1865954153071.

- sign 0.763+/-0.000 χ^2/NDF: 940209750521.2/41

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

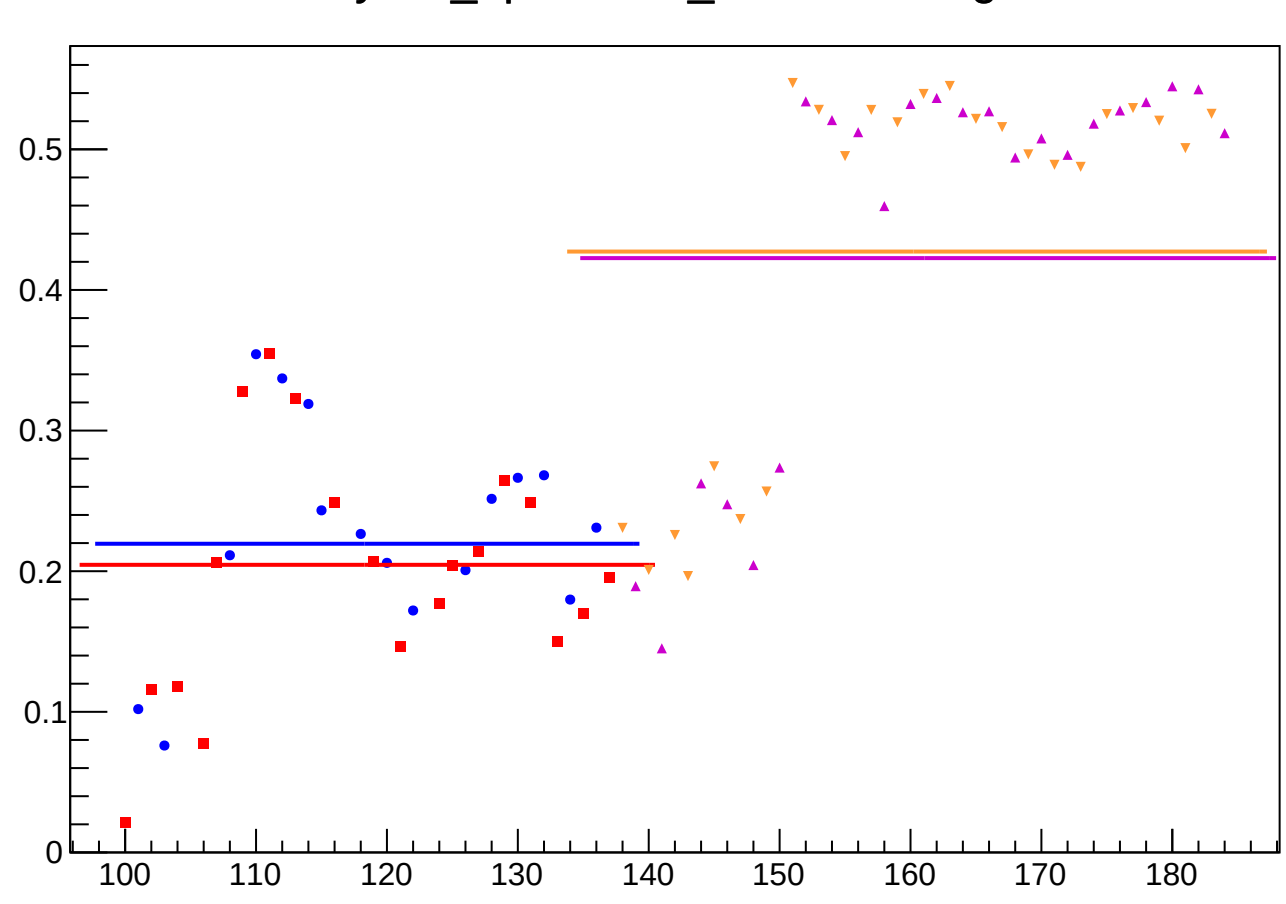
Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 2736593.9/39

All: 0.004+/-0.000 χ^2/NDF: 5642817.3/81

- sign 0.004+/-0.000 χ^2/NDF: 2905759.7/41



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

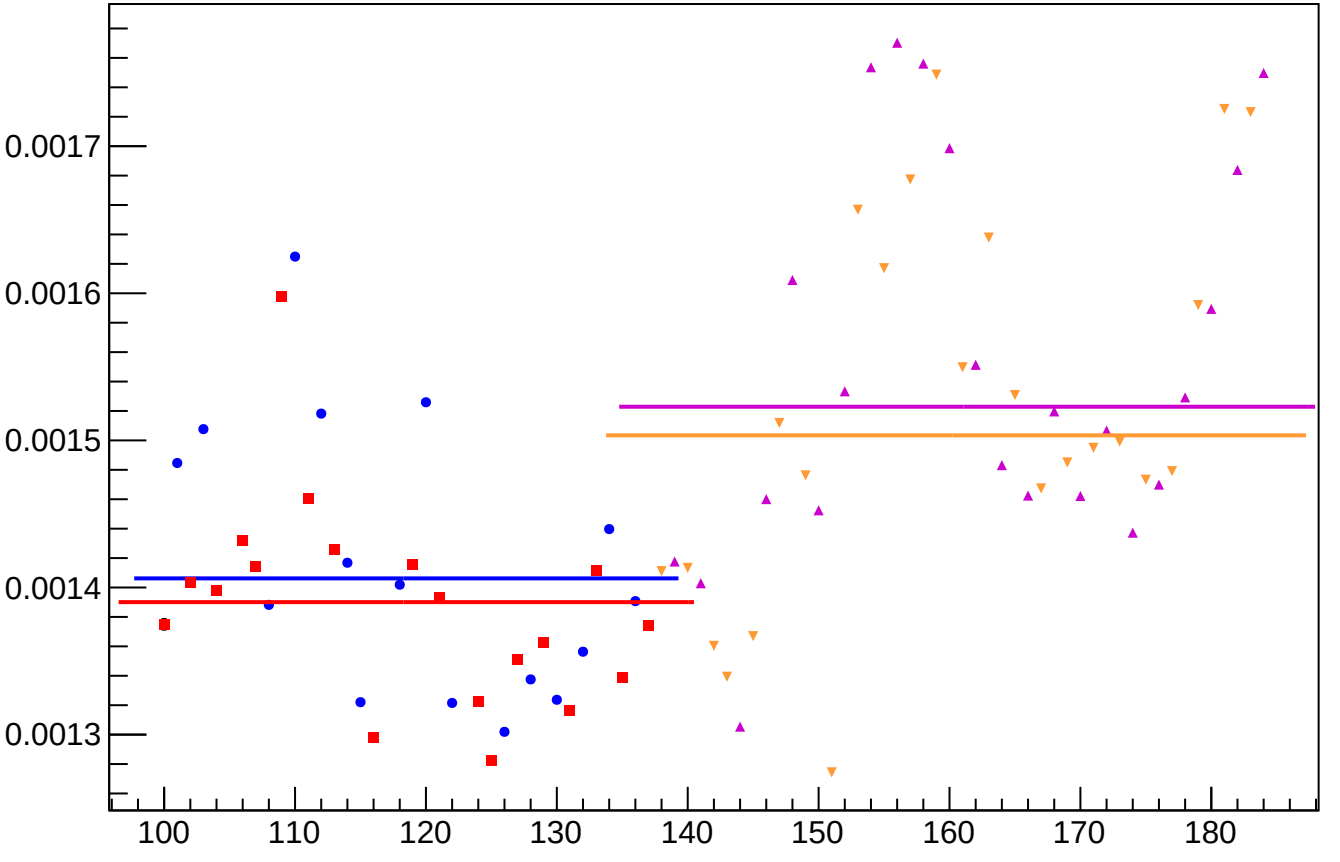
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.366+/-0.000 χ^2/NDF: 276724041662.4/39

All: 0.358+/-0.000 χ^2/NDF: 579574633346.2

- sign 0.351+/-0.000 χ^2/NDF: 301587739614.0/41

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

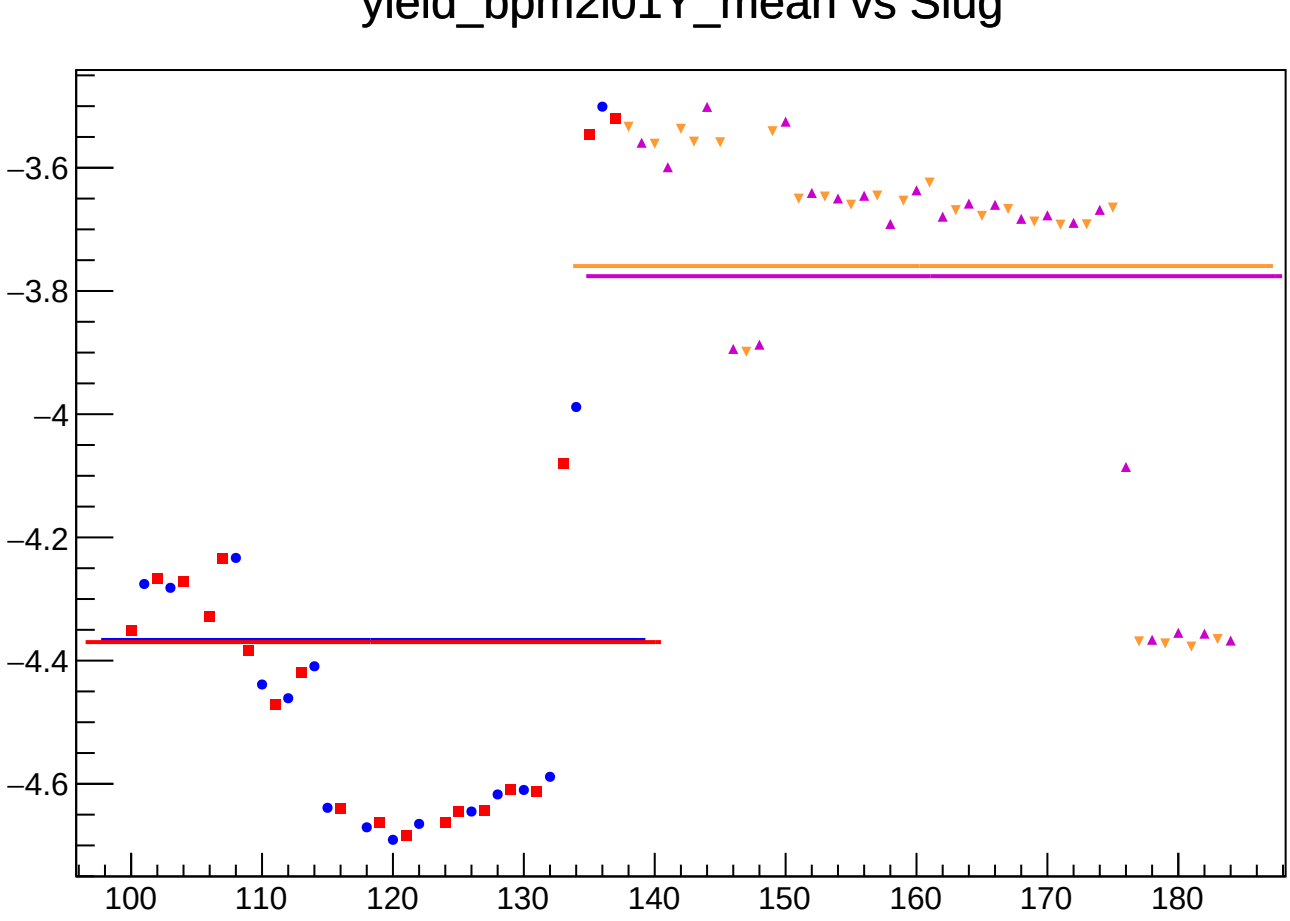
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 360010.3/39

All: 0.001+/-0.000 χ^2/NDF: 719603.3/81

- sign 0.001+/-0.000 χ^2/NDF: 359342.1/41



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

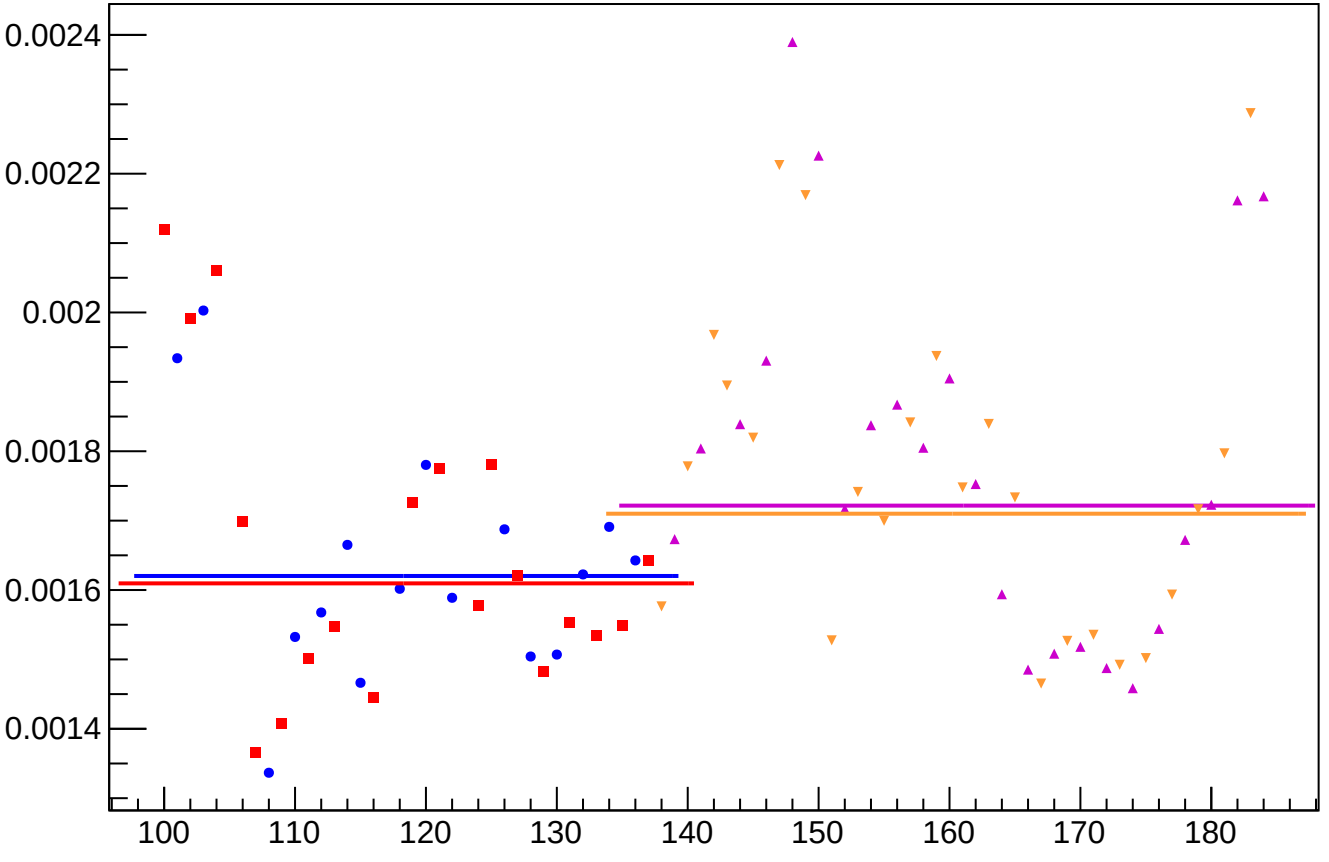
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.938+/-0.000 χ^2/NDF: 1499490315950.2/3

All: -3.951+/-0.000 χ^2/NDF: 2863550045267

- sign -3.964+/-0.000 χ^2/NDF: 1361191421770.2/41

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

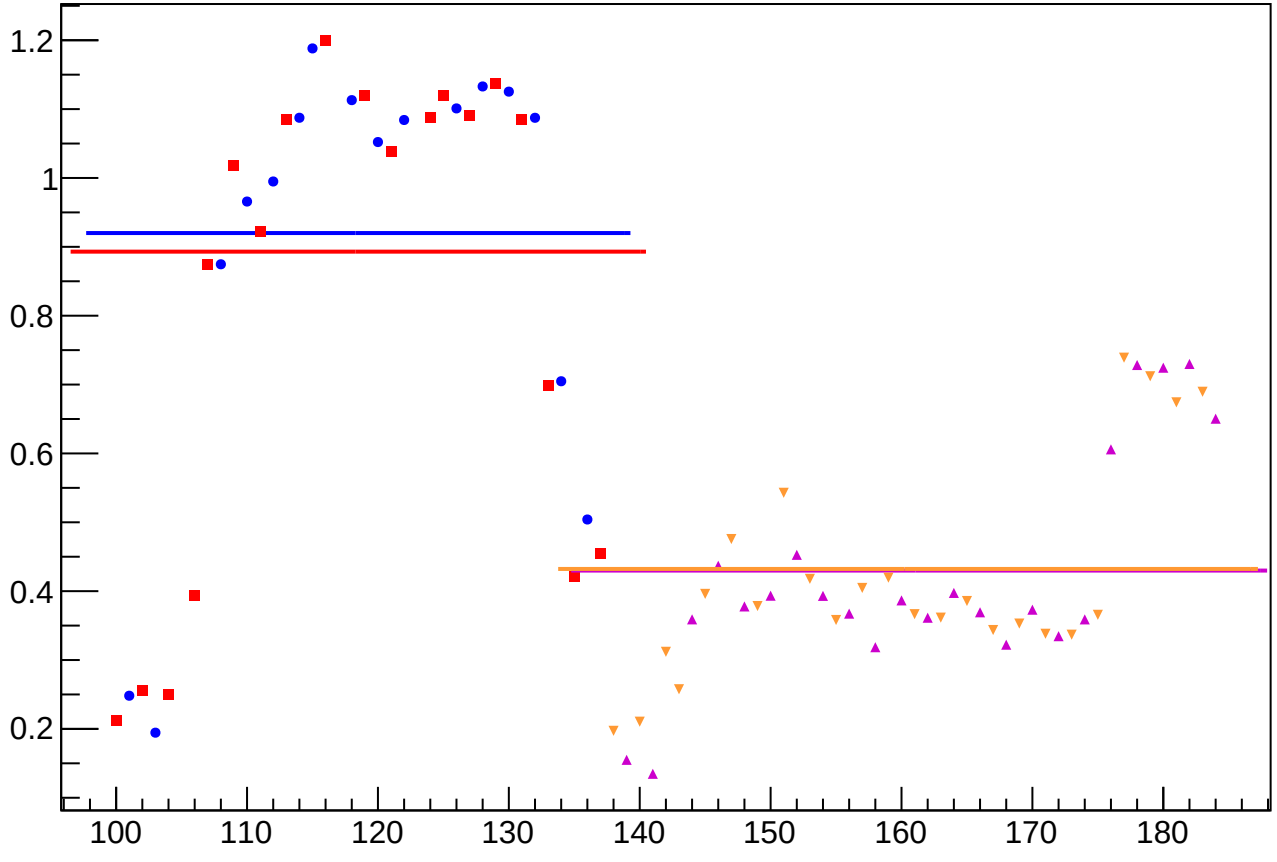
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 695886.6/39

All: 0.002+/-0.000 χ^2/NDF: 1509932.8/81

- sign 0.002+/-0.000 χ^2/NDF: 813985.9/41

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

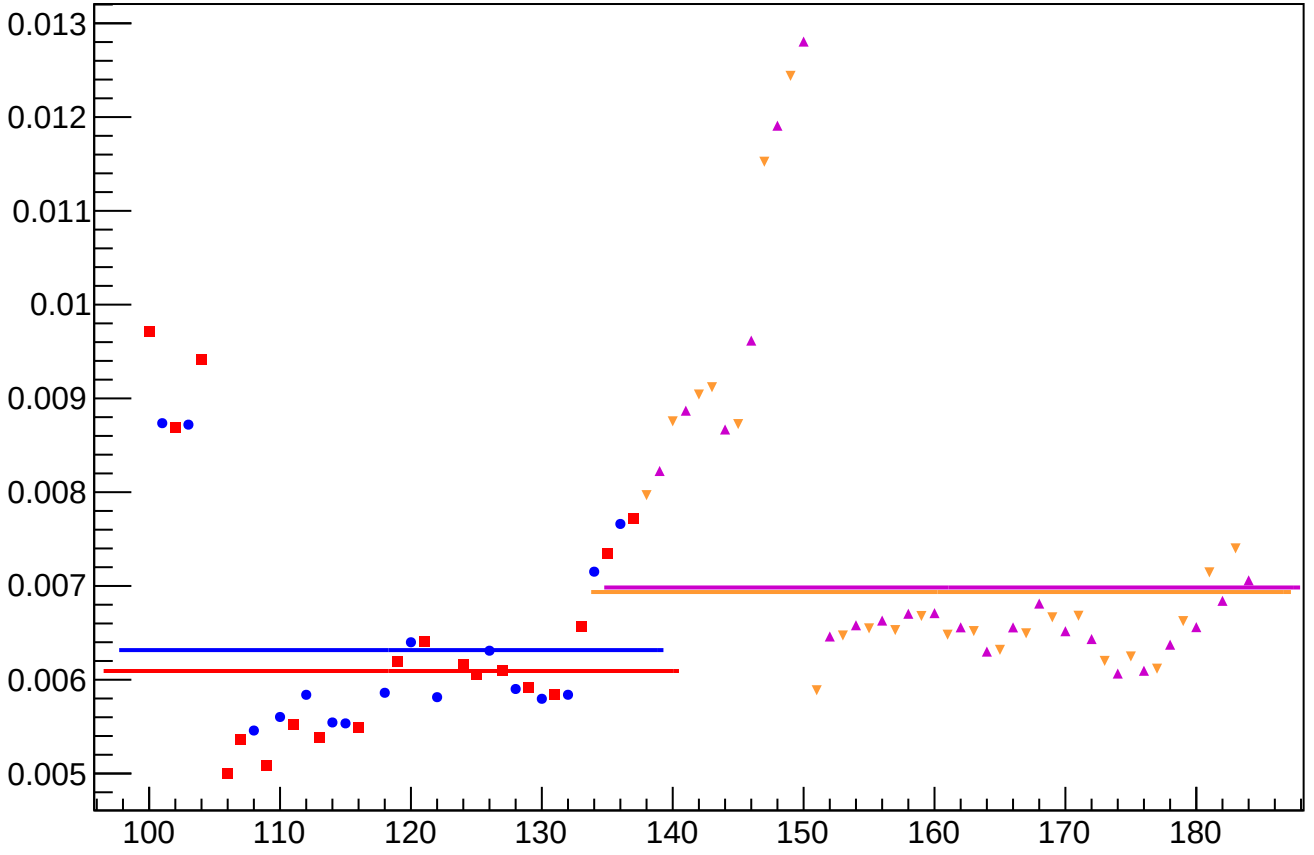
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.586+/-0.000 χ^2/NDF: 51553549183.0/39

All: 0.589+/-0.000 χ^2/NDF: 105471397220.7

- sign 0.592+/-0.000 χ^2/NDF: 53905916164.4/41

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

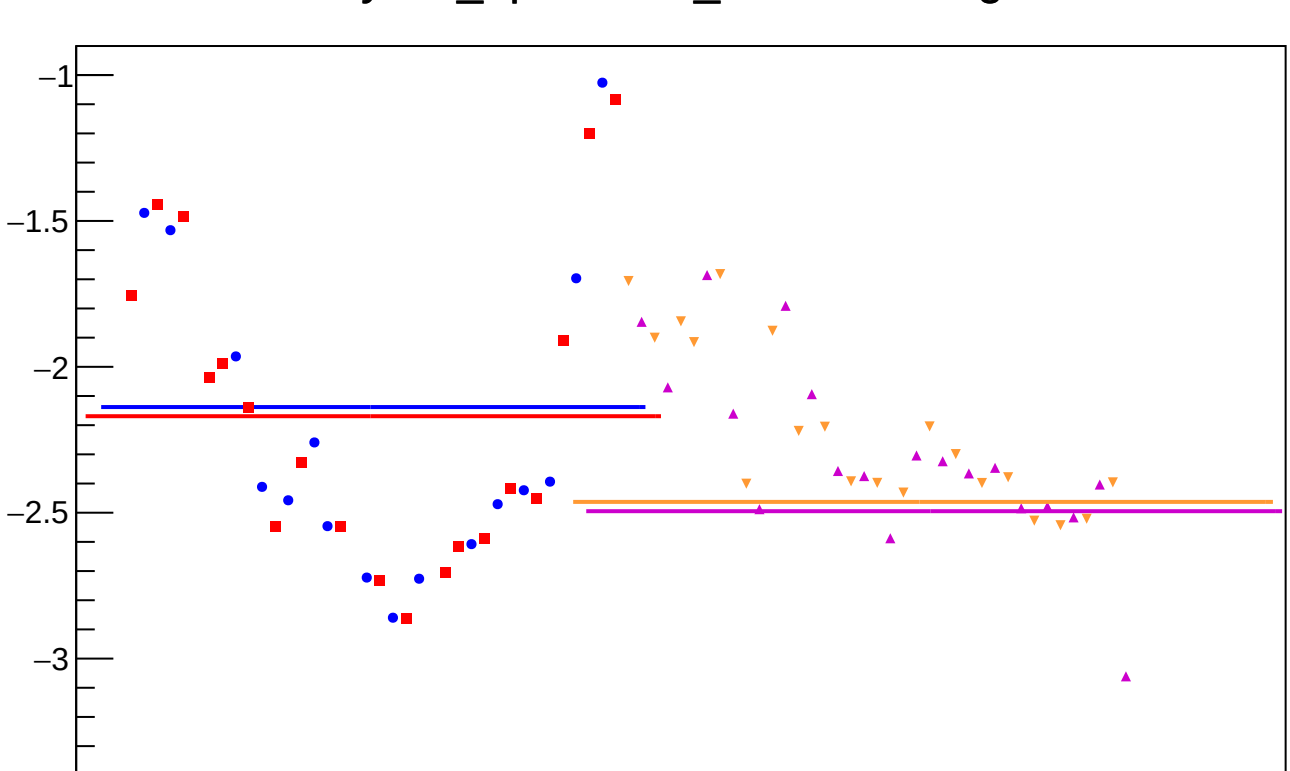
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 1516333.3/39

All: 0.007+/-0.000 χ^2/NDF: 3292801.0/81

- sign 0.007+/-0.000 χ^2/NDF: 1773822.3/41



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

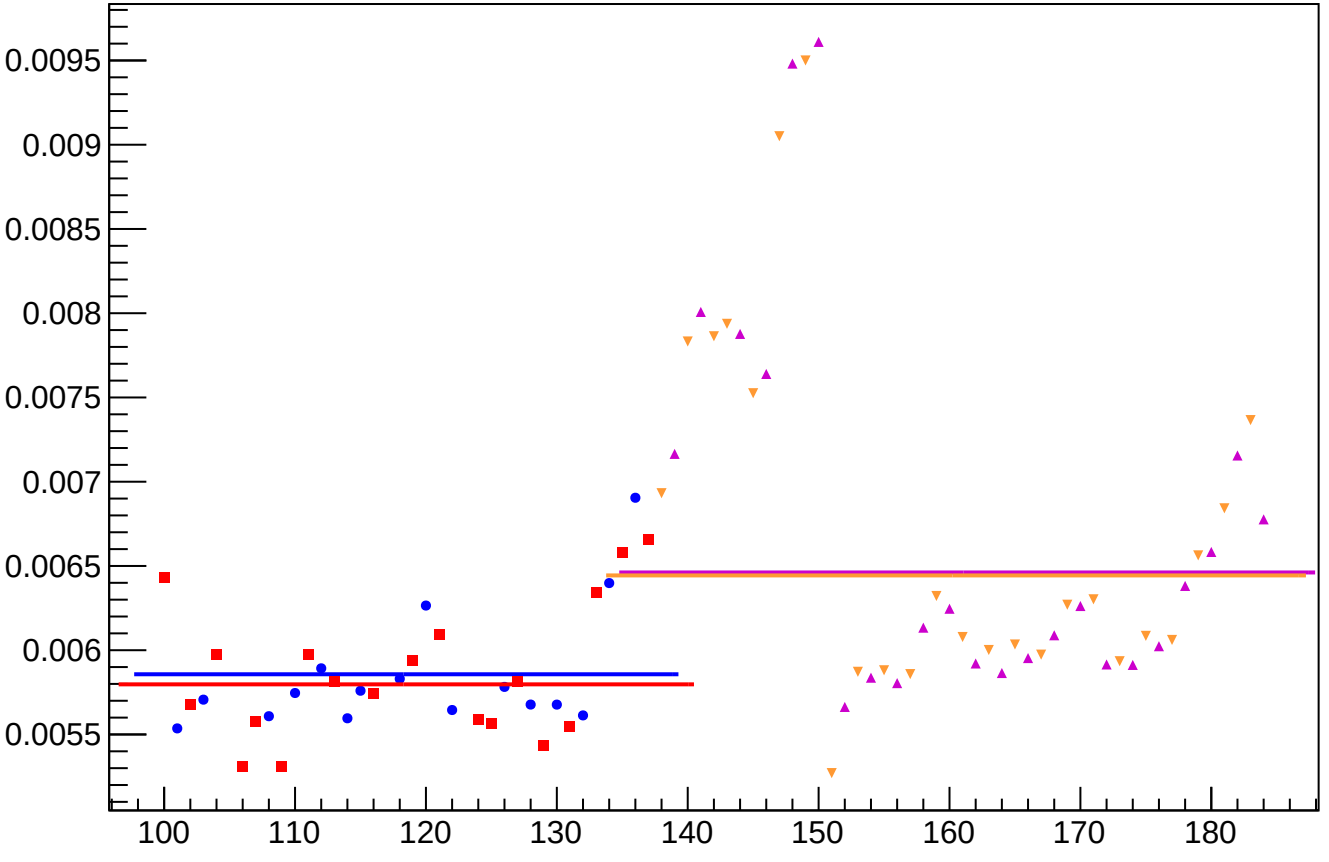
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.360+/-0.000 χ^2/NDF: 197779486119.1/39

All: -2.372+/-0.000 χ^2/NDF: 367657304718.5

- sign -2.384+/-0.000 χ^2/NDF: 169684358658.2/41

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

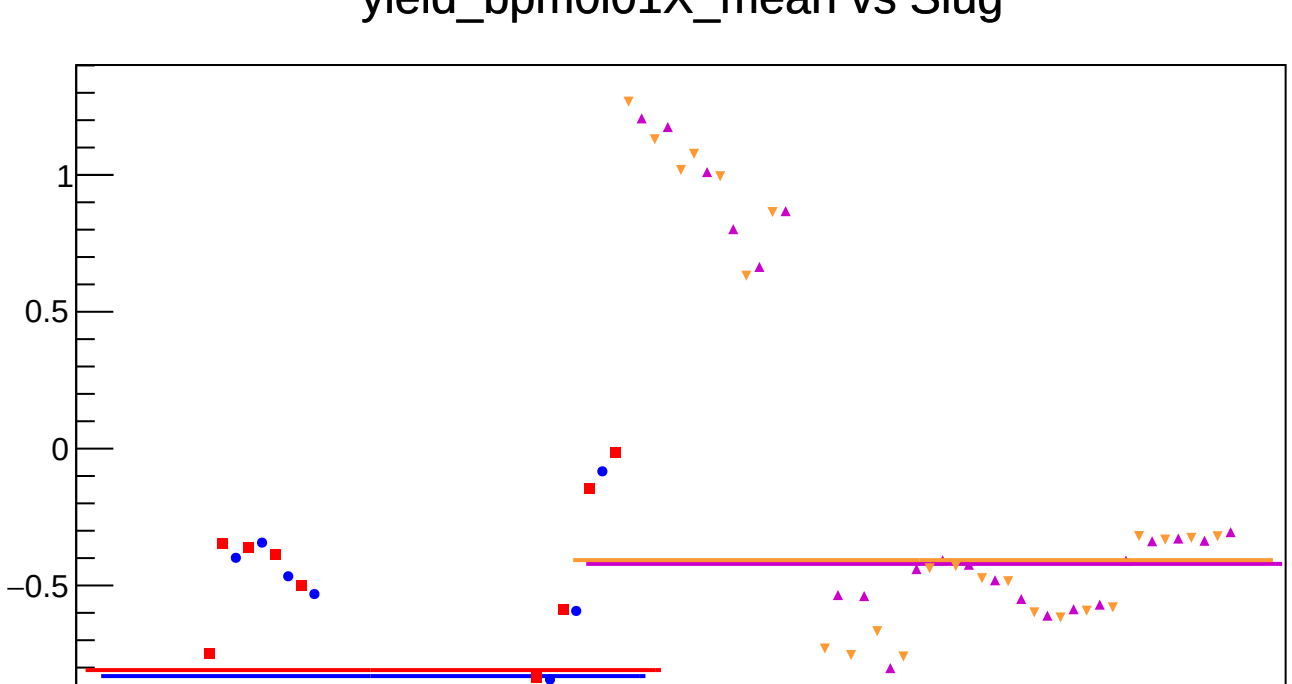
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 867578.6/39

All: 0.006+/-0.000 χ^2/NDF: 1773897.2/81

- sign 0.006+/-0.000 χ^2/NDF: 905995.8/41



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

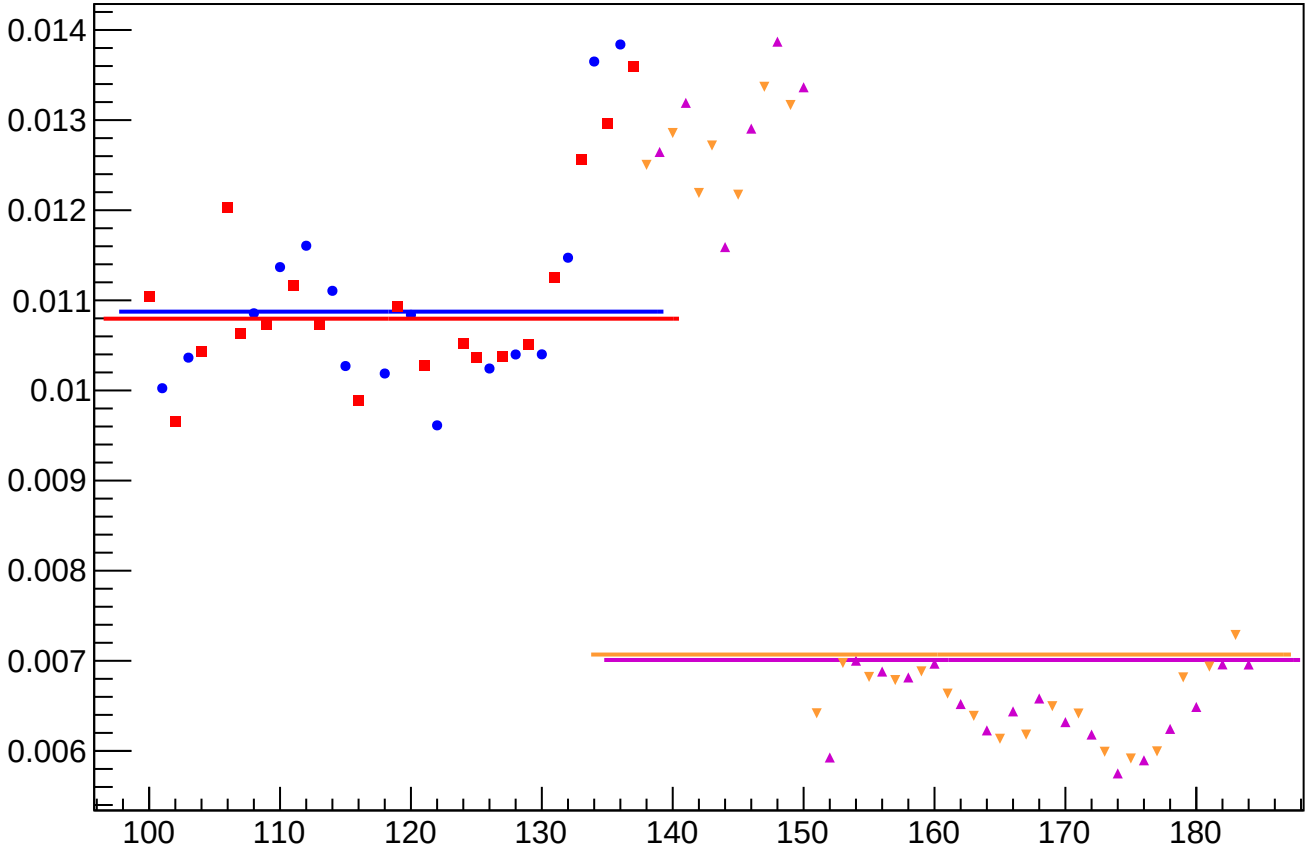
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.469+/-0.000 χ^2/NDF: 97824322767.2/39

All: -0.475+/-0.000 χ^2/NDF: 204138262762.9

- sign -0.481+/-0.000 χ^2/NDF: 106285071485.5/41

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

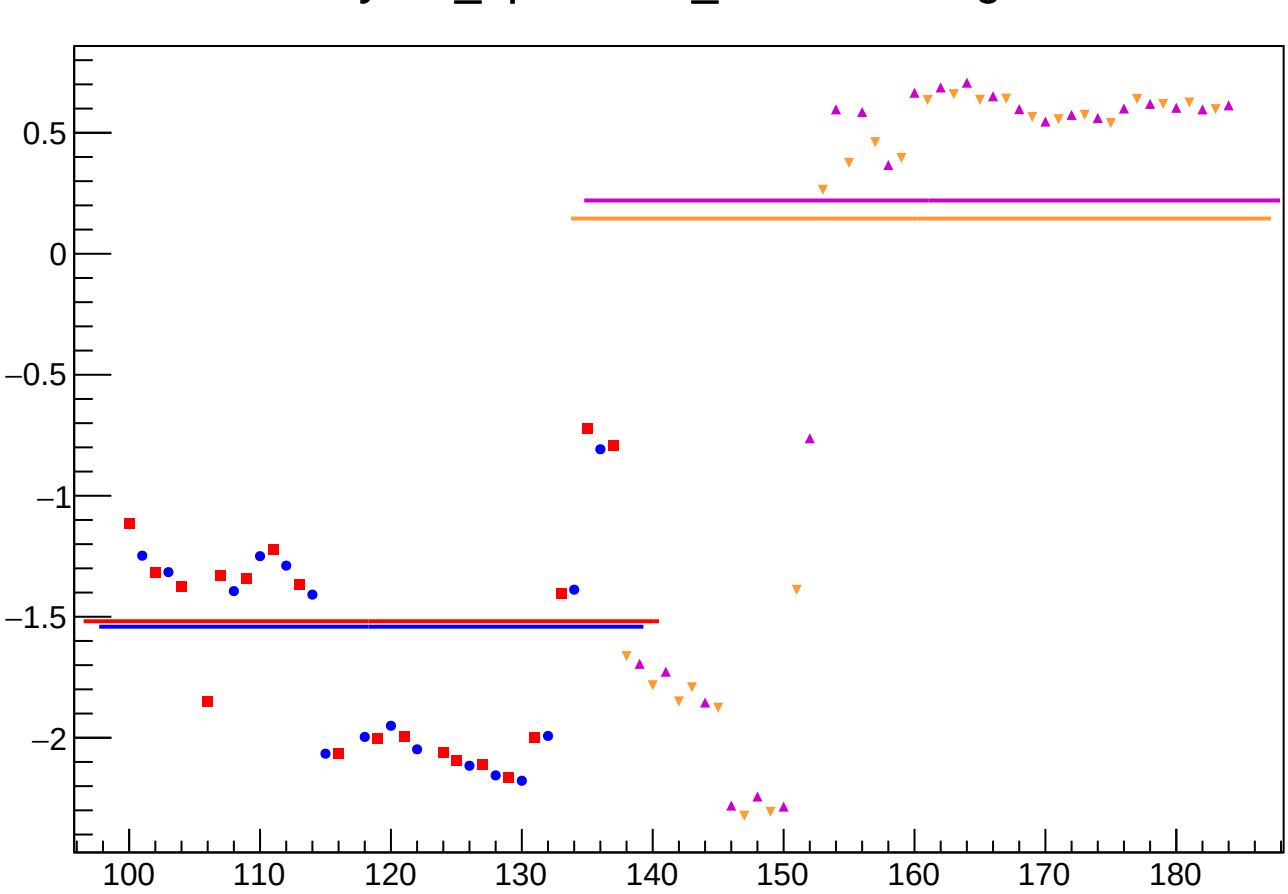
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4014306.8/39

All: 0.008+/-0.000 χ^2/NDF: 8075564.4/81

- sign 0.008+/-0.000 χ^2/NDF: 4060879.2/41



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

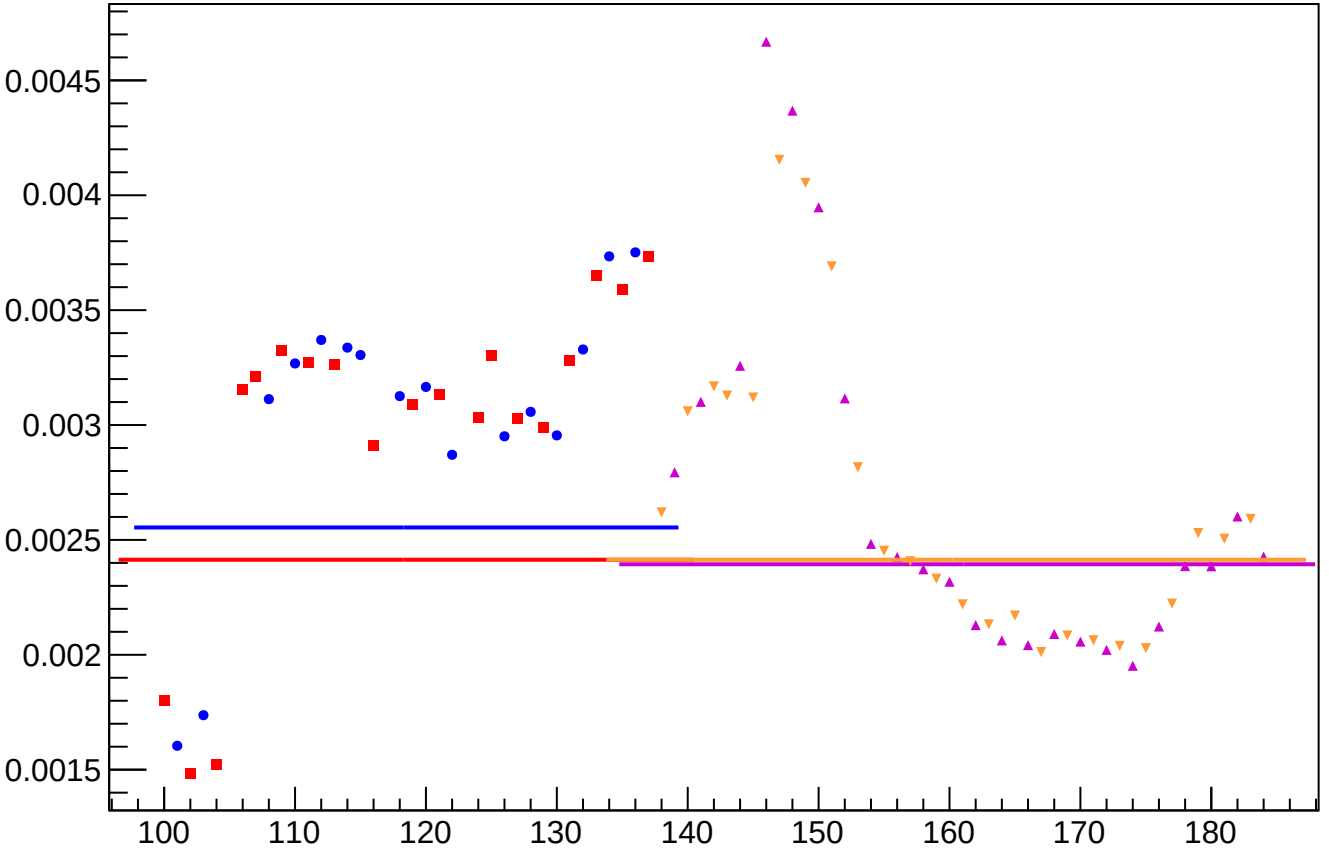
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.265+/-0.000 χ^2/NDF: 4550414078973.8/3

All: -0.255+/-0.000 χ^2/NDF: 9071356766242

- sign -0.245+/-0.000 χ^2/NDF: 4520141239132.2/41

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

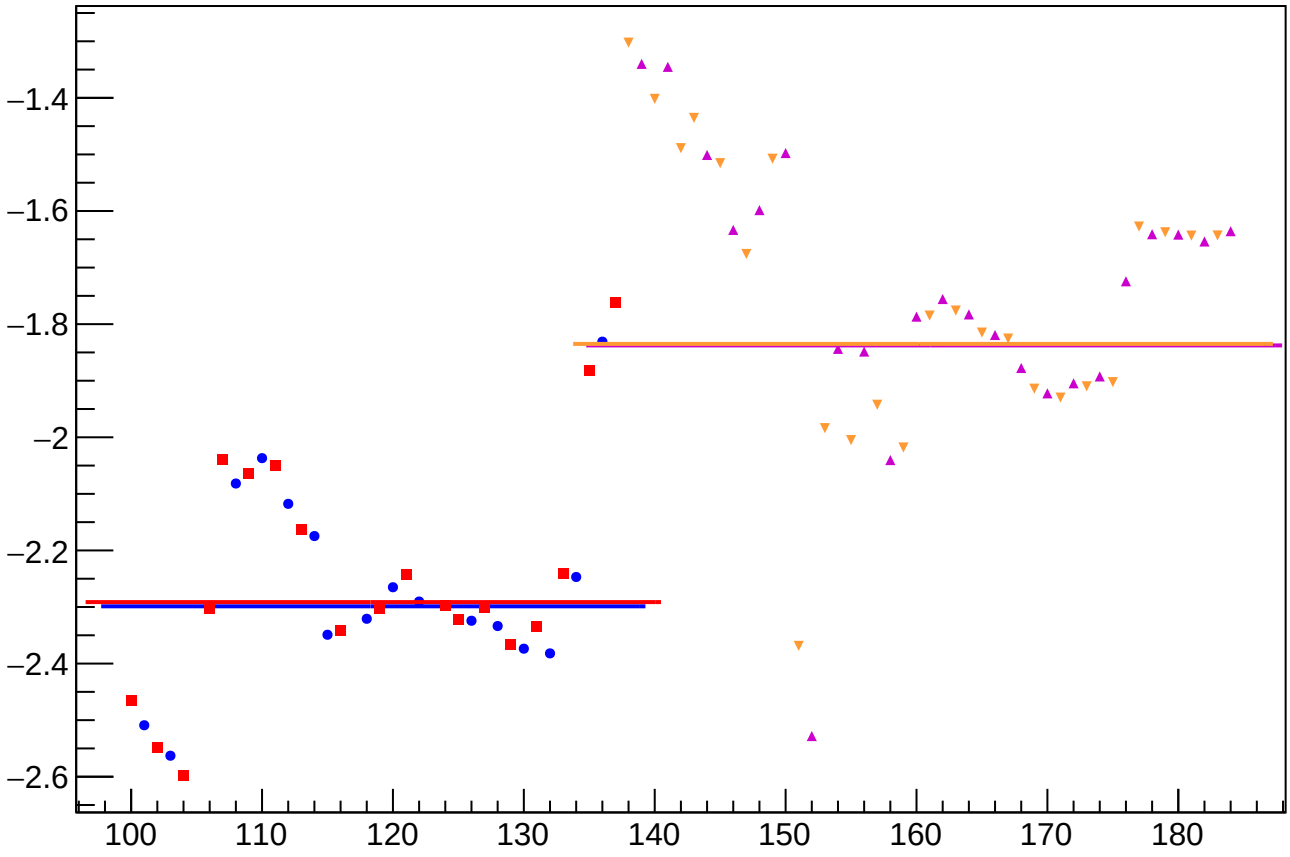
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 2419685.7/39

All: 0.002+/-0.000 χ^2/NDF: 5385679.2/81

- sign 0.002+/-0.000 χ^2/NDF: 2957001.3/41



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

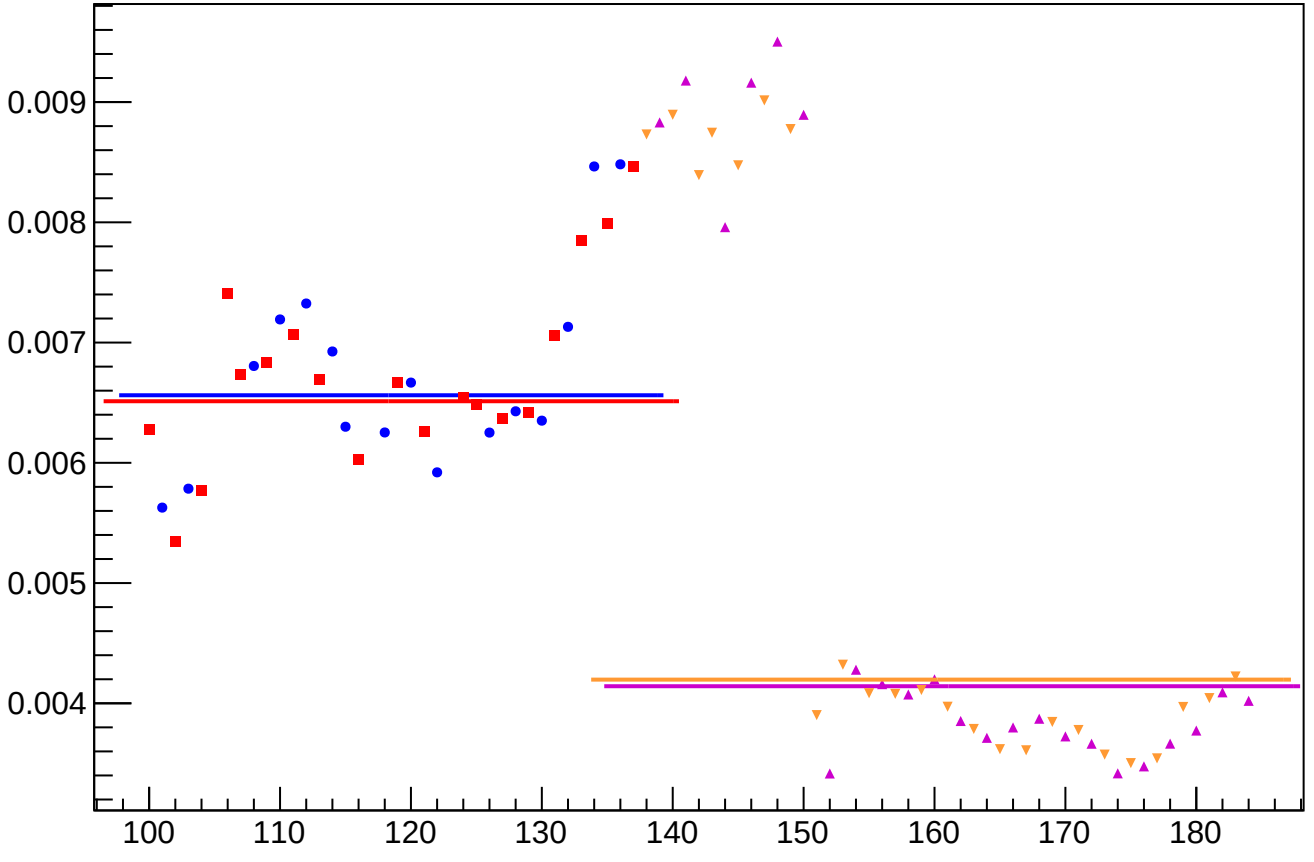
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.901+/-0.000 χ^2/NDF: 73530626291.9/39

All: -1.904+/-0.000 χ^2/NDF: 163070440289.1

- sign -1.906+/-0.000 χ^2/NDF: 89527271860.4/41

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

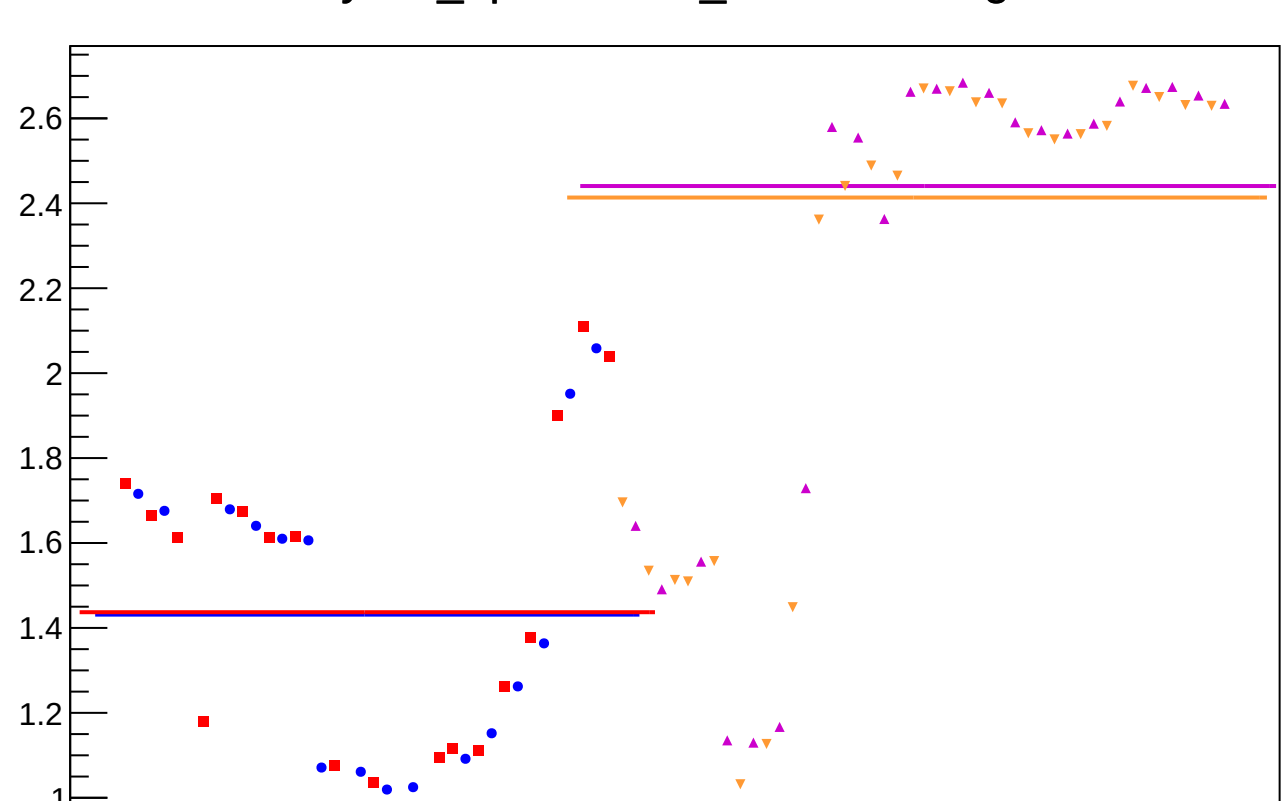
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4853562.4/39

All: 0.005+/-0.000 χ^2/NDF: 9830578.2/81

- sign 0.005+/-0.000 χ^2/NDF: 4975587.4/41



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

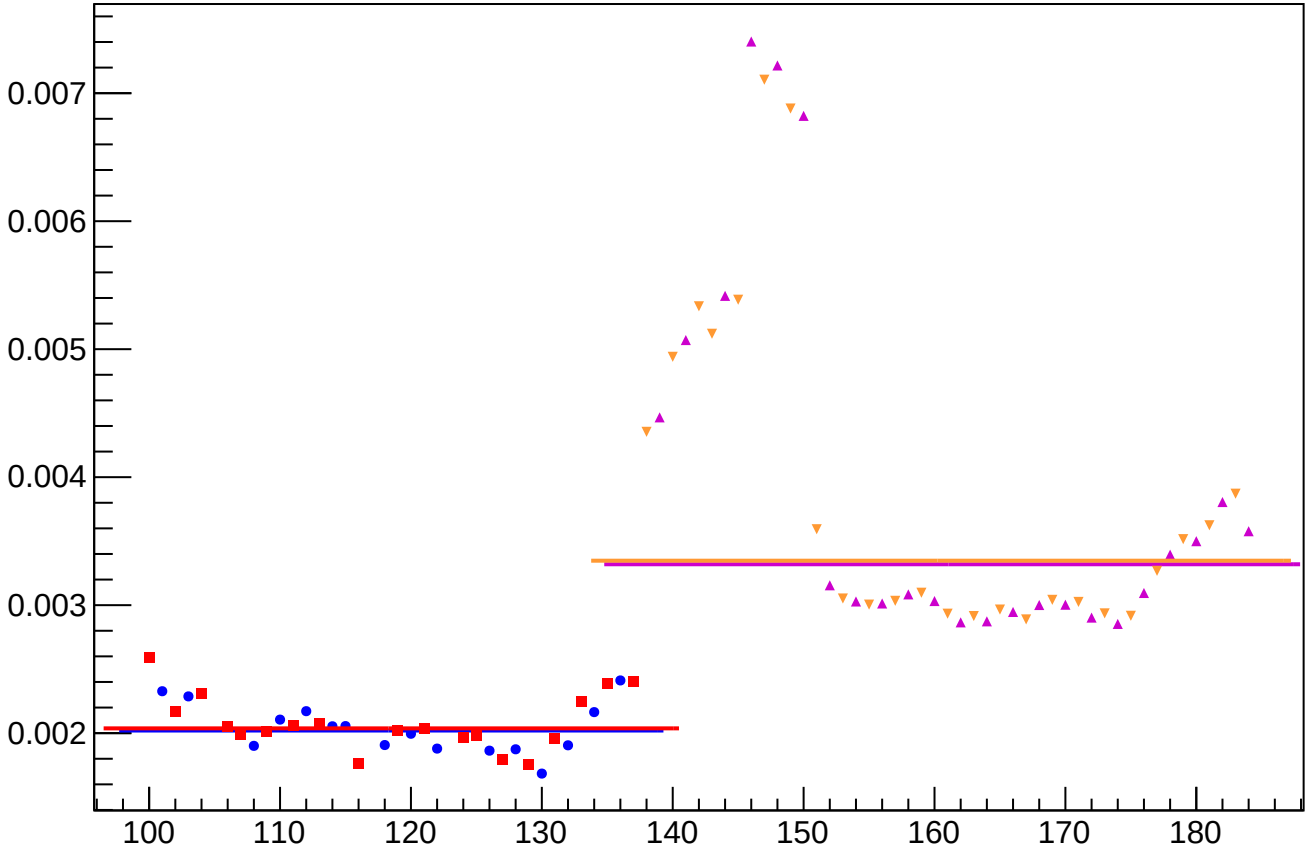
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.908+/-0.000 χ^2/NDF: 1192829867981.7/39

All: 1.911+/-0.000 χ^2/NDF: 2388817805521.

- sign 1.915+/-0.000 χ^2/NDF: 1195920656041.7/41

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1813706.1/23

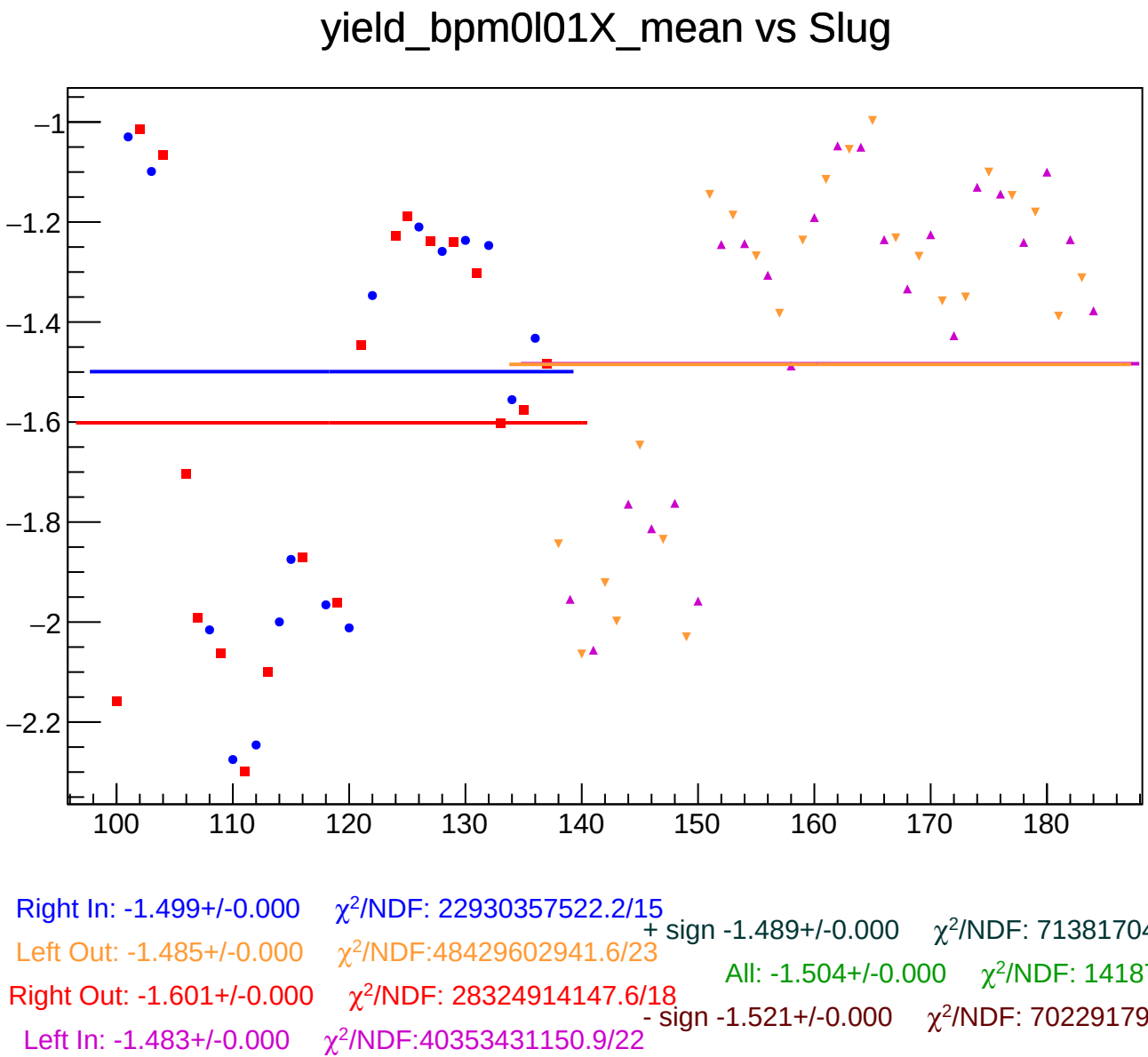
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

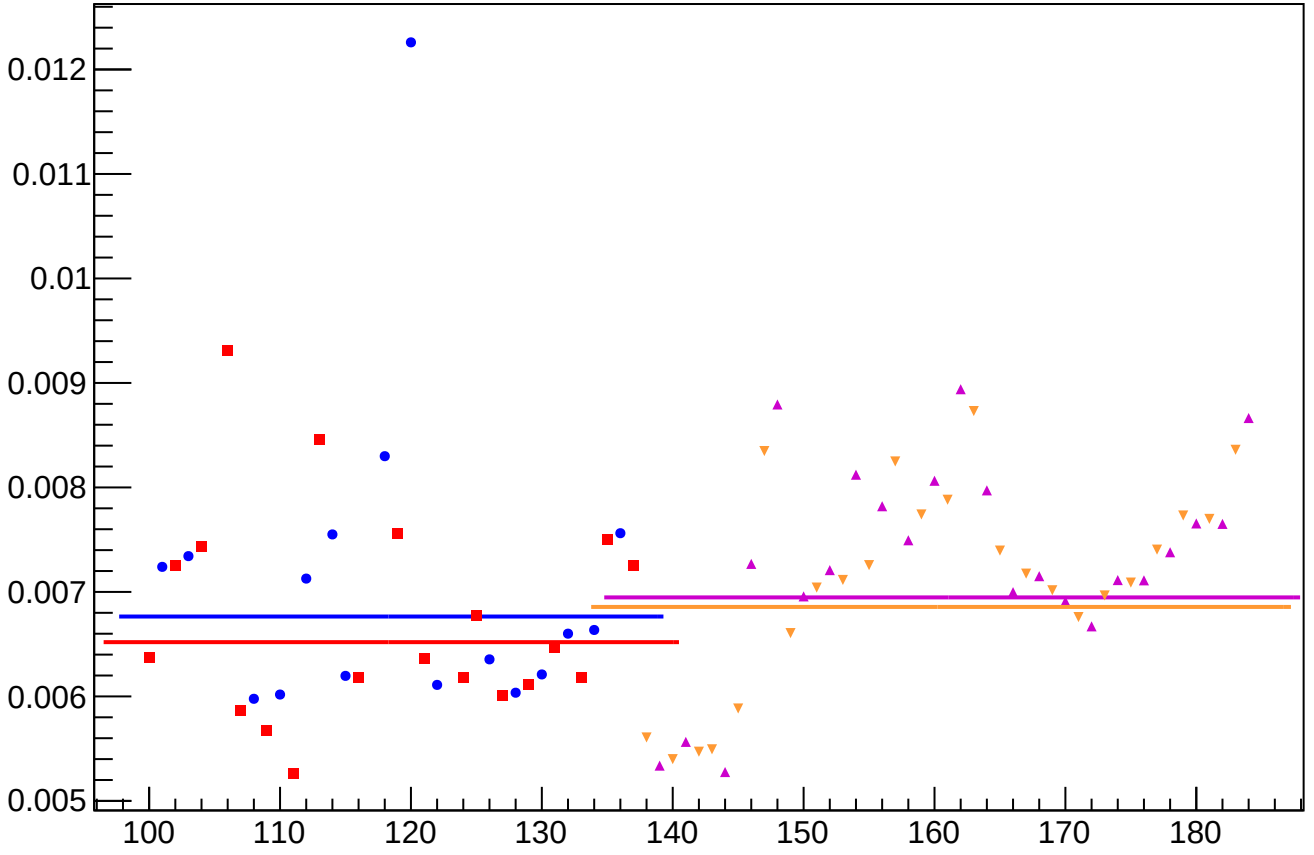
+ sign 0.003+/-0.000 χ^2/NDF: 4747881.8/39

All: 0.003+/-0.000 χ^2/NDF: 9471108.4/81

- sign 0.003+/-0.000 χ^2/NDF: 4722318.9/41


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: -1.483+/-0.000 χ²/NDF:40353431150.9/22
+ sign -1.489+/-0.000 χ²/NDF: 71381704602.3/39
All: -1.504+/-0.000 χ²/NDF: 141875915351.5
- sign -1.521+/-0.000 χ²/NDF: 70229179858.2/41

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

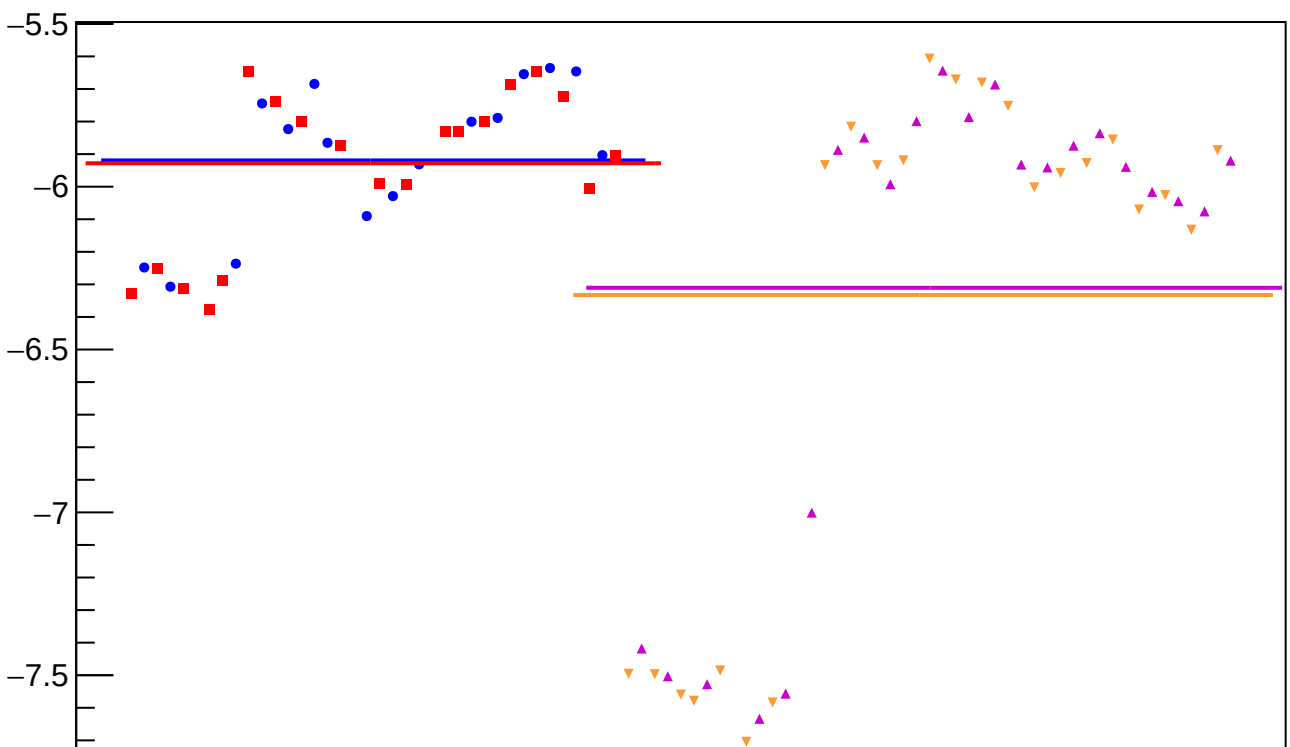
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 957682.4/39

All: 0.007+/-0.000 χ^2/NDF: 1990786.5/81

- sign 0.007+/-0.000 χ^2/NDF: 1032920.6/41



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

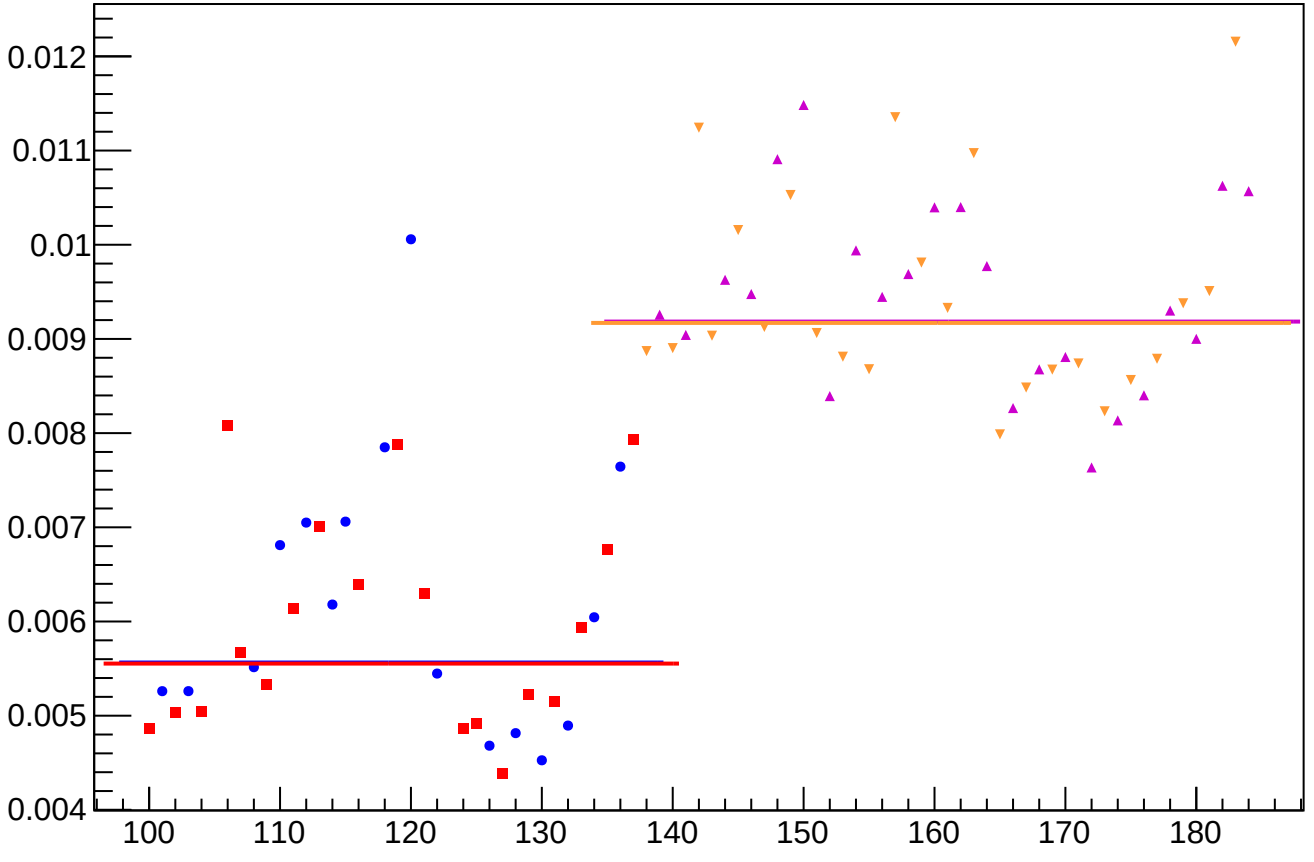
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.122+/-0.000 χ^2/NDF: 138415233684.9/39

All: -6.114+/-0.000 χ^2/NDF: 257093576881.

- sign -6.106+/-0.000 χ^2/NDF: 118629132055.9/41

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

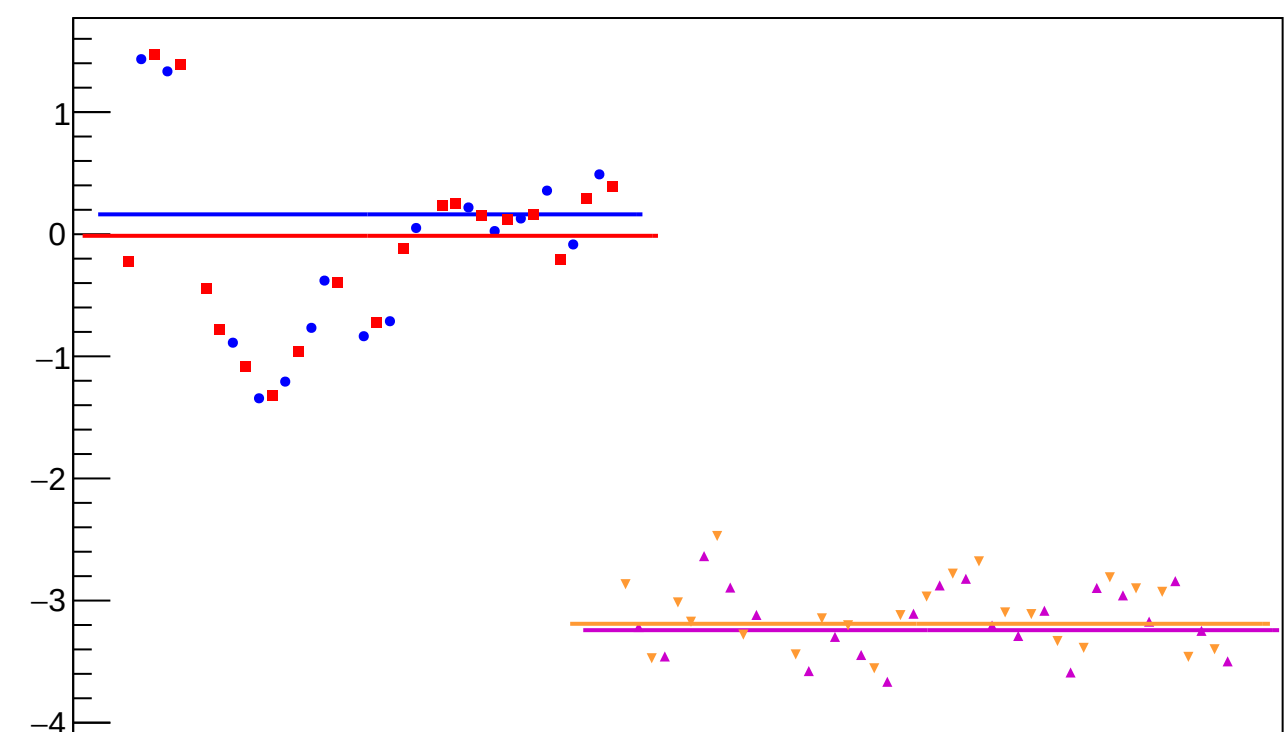
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3323009.9/39

All: 0.007+/-0.000 χ^2/NDF: 6589352.7/81

- sign 0.007+/-0.000 χ^2/NDF: 3263265.1/41



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

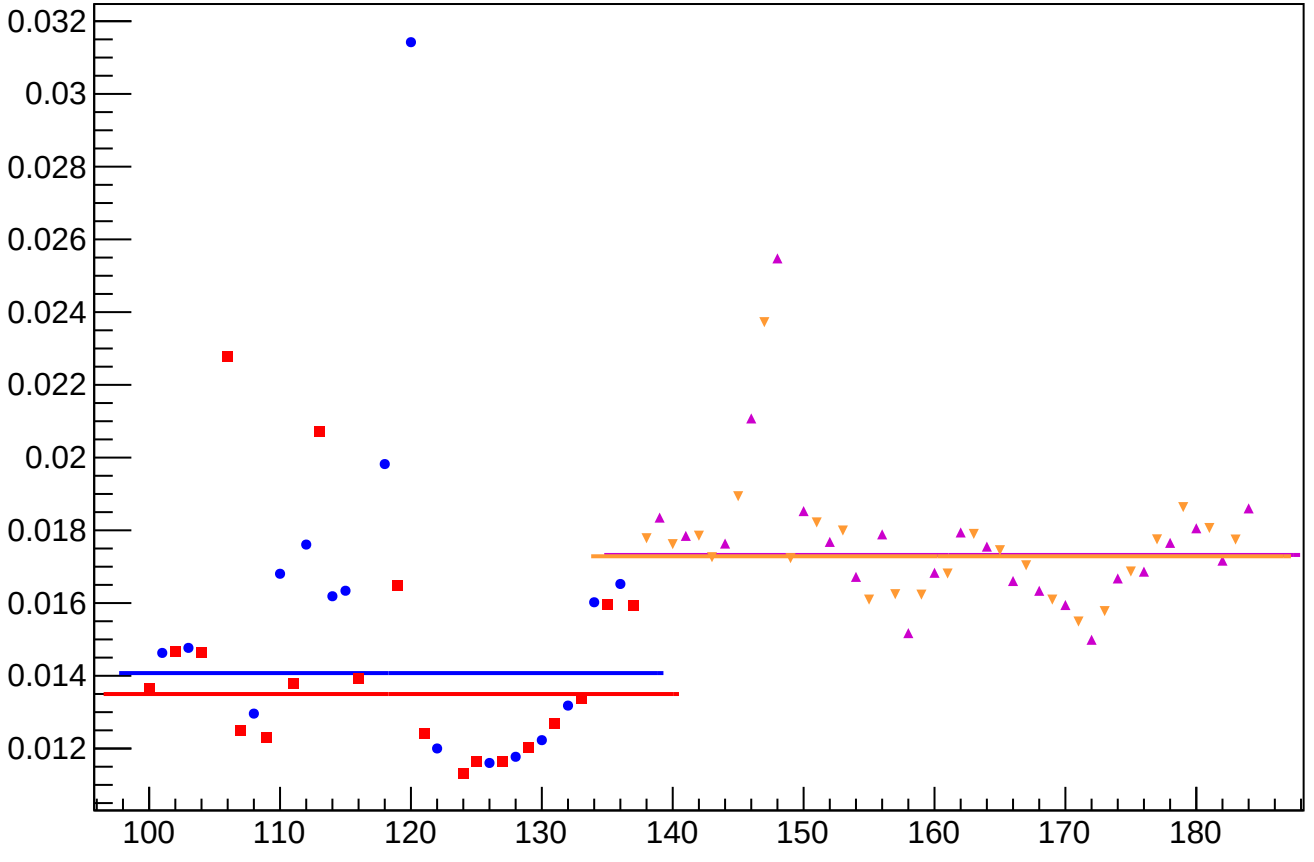
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.044+/-0.000 χ^2/NDF: 262912458896.8/39

All: -2.015+/-0.000 χ^2/NDF: 530443212644.

- sign -1.986+/-0.000 χ^2/NDF: 267370908193.9/41

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

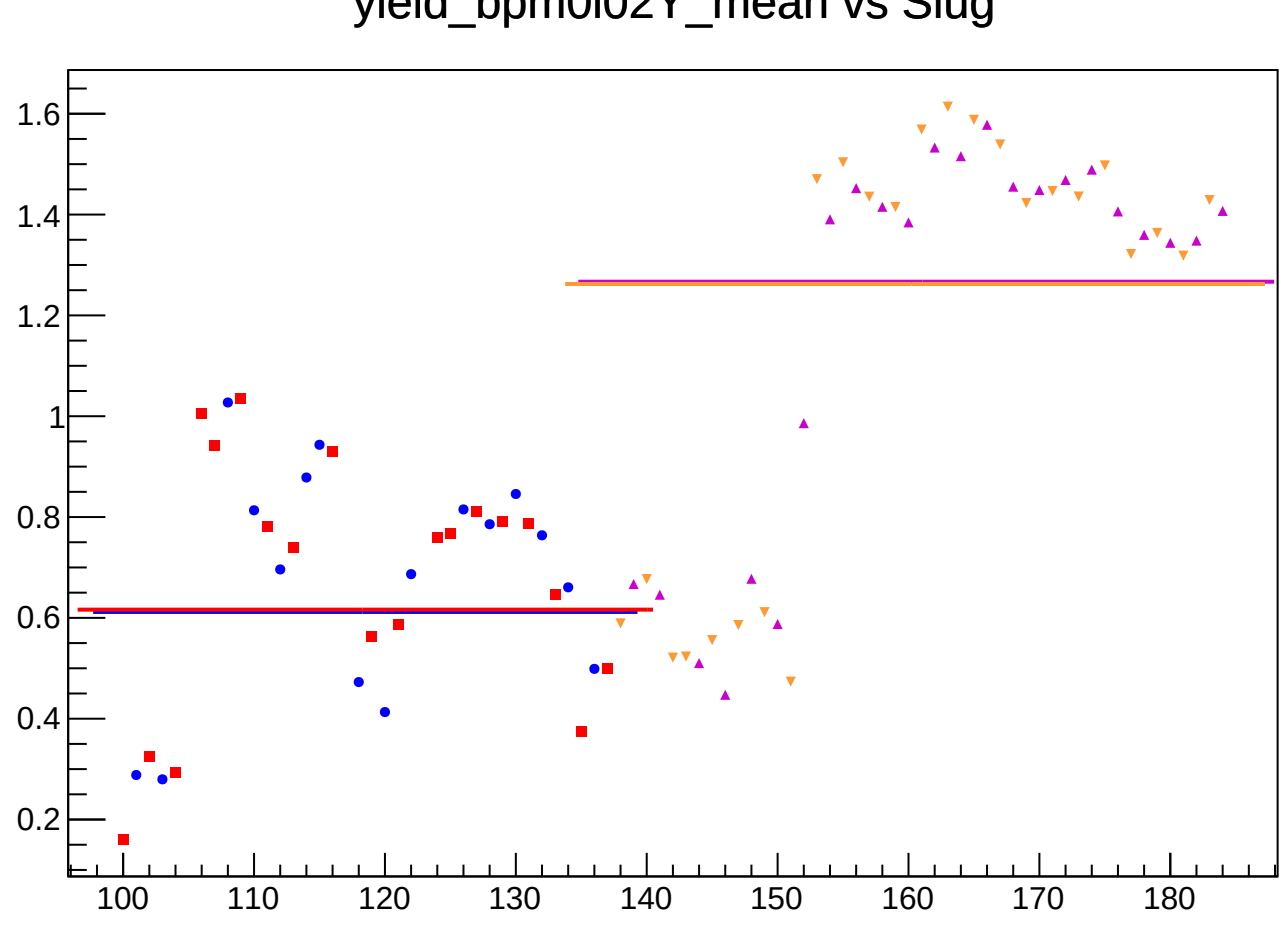
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1113652.4/39

All: 0.016+/-0.000 χ^2/NDF: 2434649.8/81

- sign 0.016+/-0.000 χ^2/NDF: 1309203.3/41



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

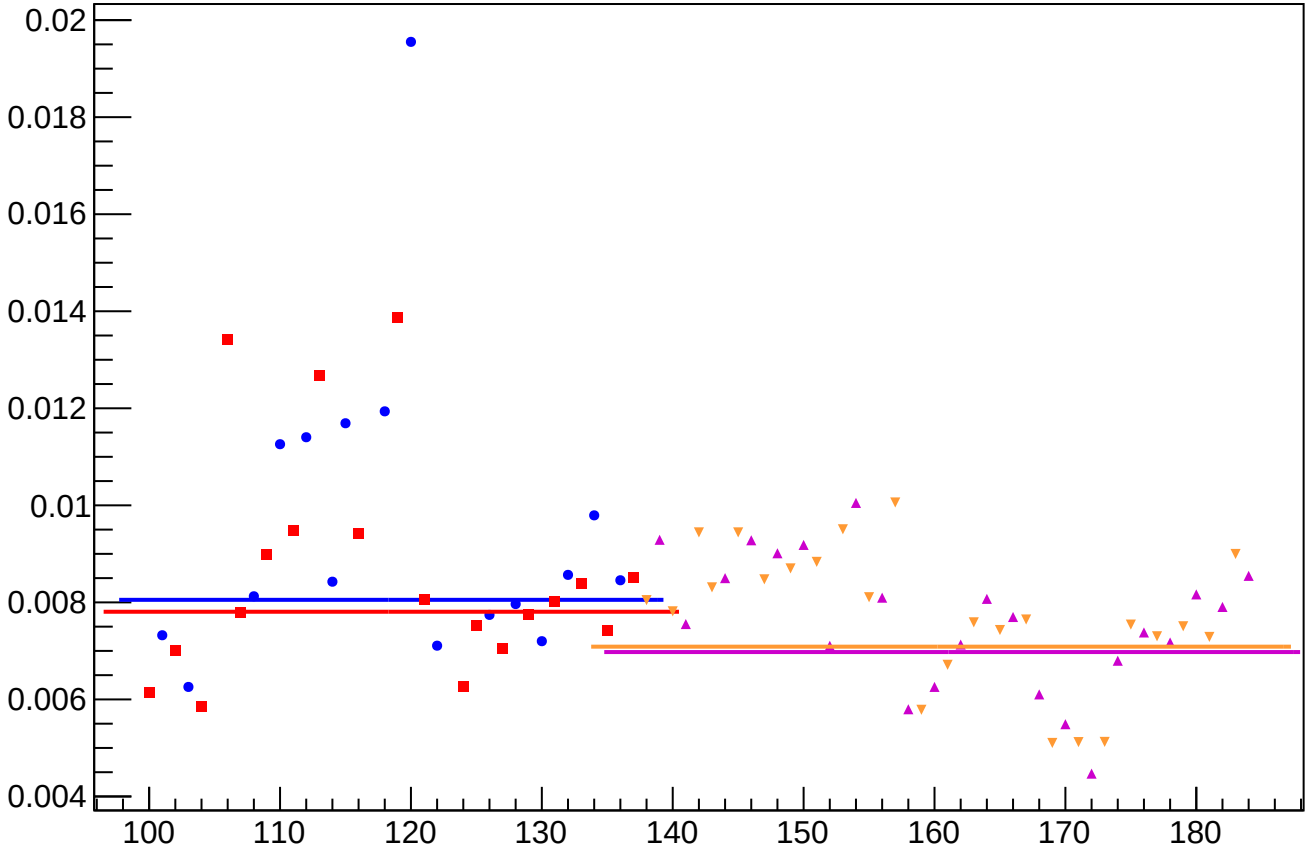
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.119+/-0.000 χ^2/NDF: 82349650819.3/39

All: 1.115+/-0.000 χ^2/NDF: 160248691749.9

- sign 1.111+/-0.000 χ^2/NDF: 77885174199.5/41

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

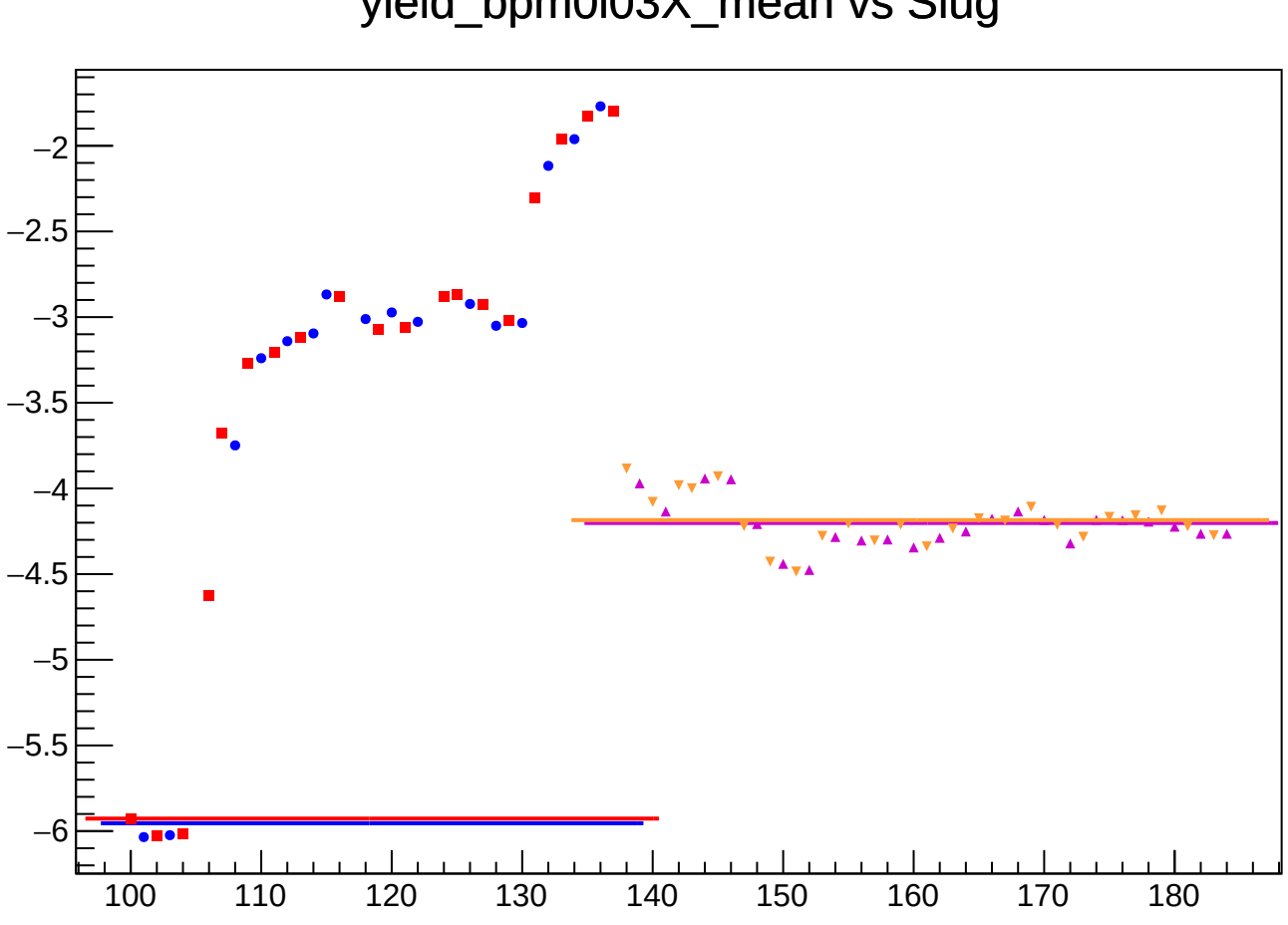
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 2209795.0/39

All: 0.007+/-0.000 χ^2/NDF: 4371178.9/81

- sign 0.007+/-0.000 χ^2/NDF: 2154622.3/41



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

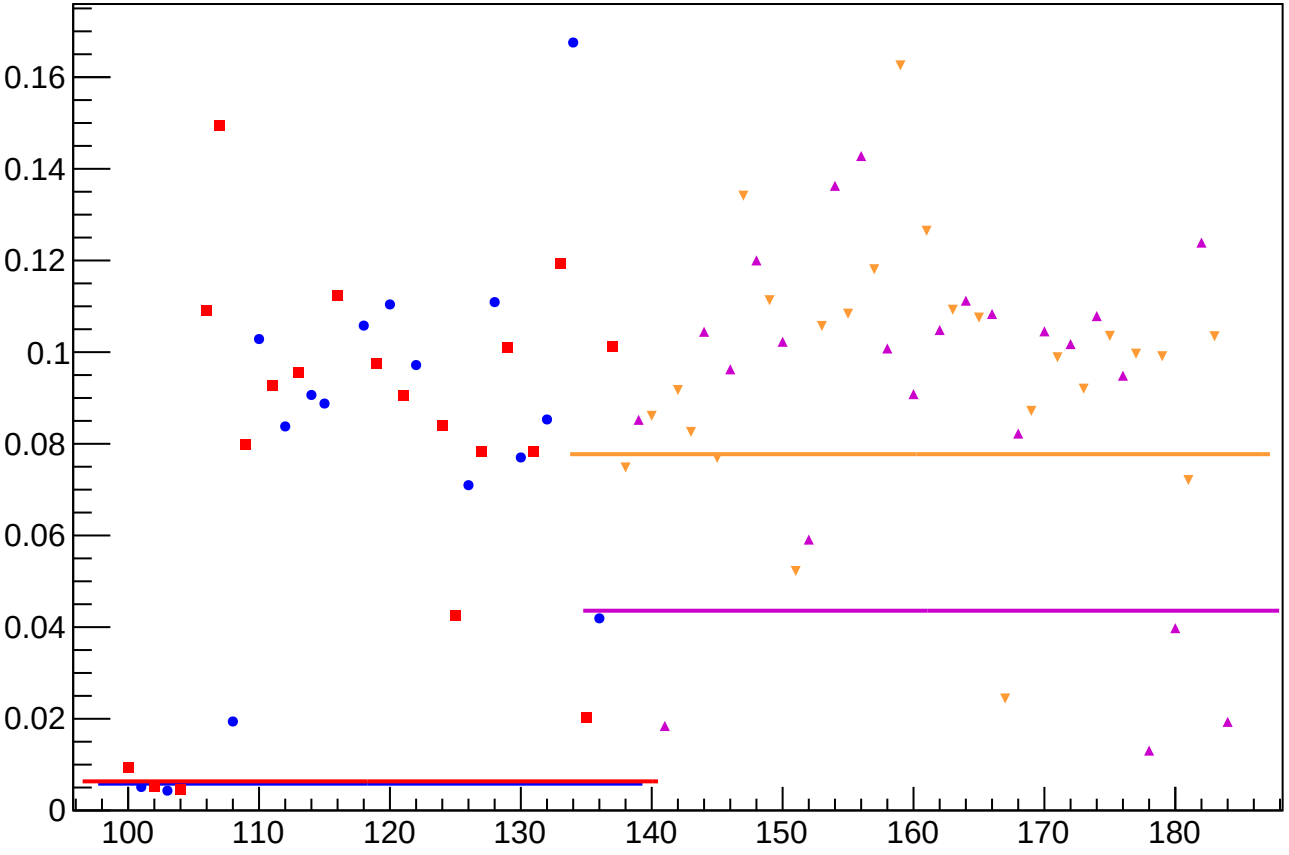
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -5.880+/-0.000 χ^2/NDF: 19932770252.4/39

All: -5.831+/-0.000 χ^2/NDF: 45276677124.1/

- sign -5.775+/-0.000 χ^2/NDF: 25069368554.5/41

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

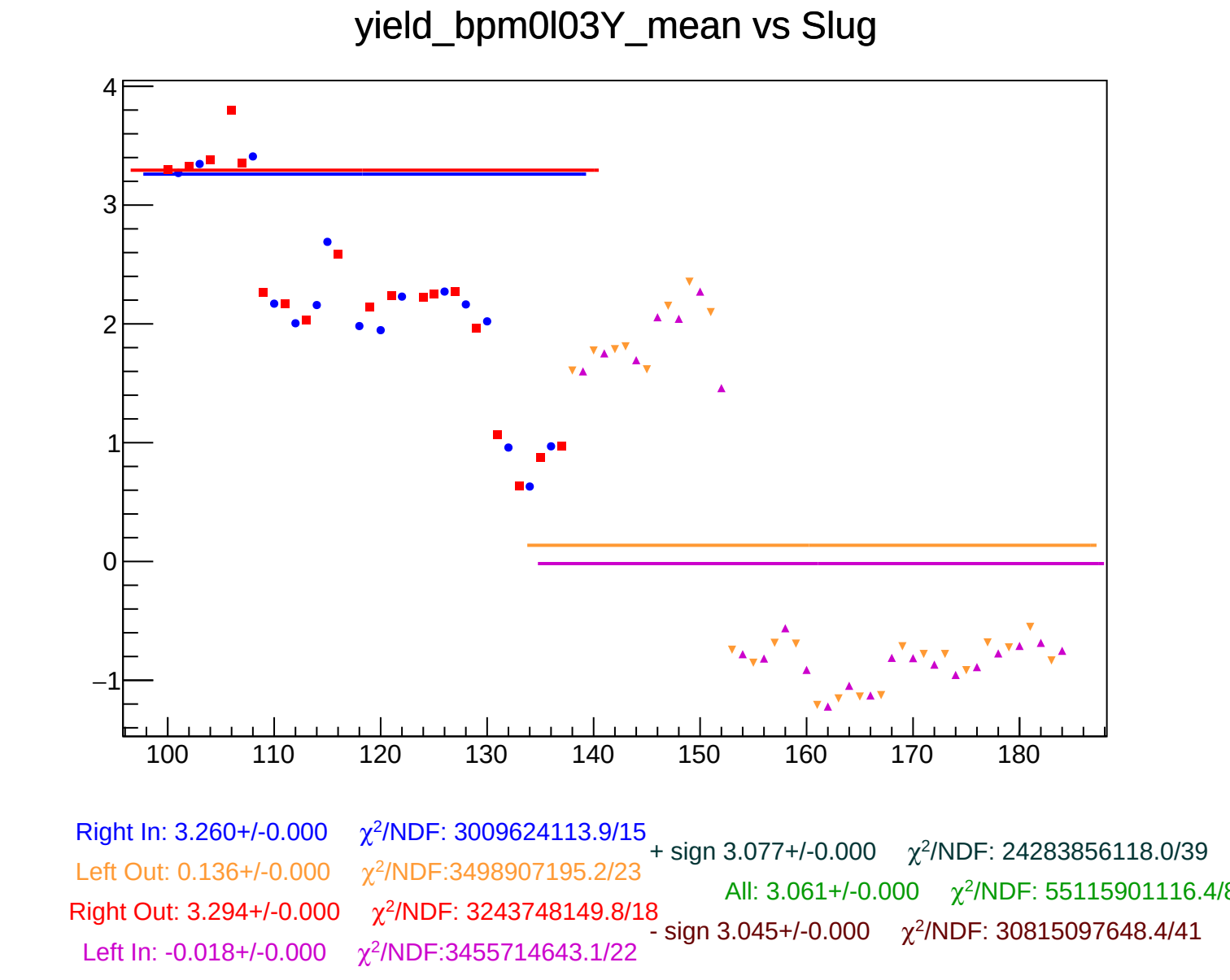
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

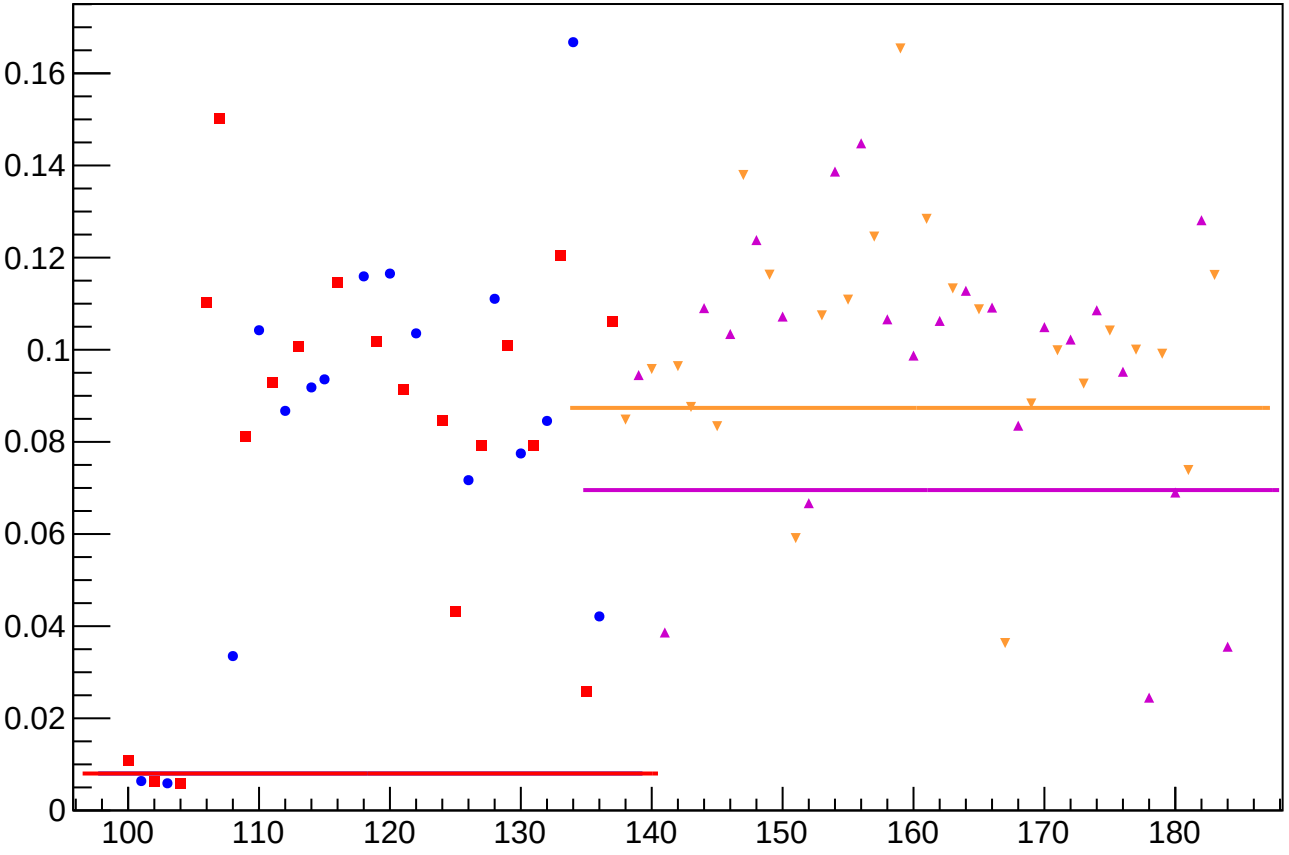
+ sign 0.009+/-0.000 χ^2/NDF: 35841555.6/39

All: 0.009+/-0.000 χ^2/NDF: 67730687.3/81

- sign 0.010+/-0.000 χ^2/NDF: 31859970.9/41


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: -0.018+/-0.000 χ²/NDF:3455714643.1/22
+ sign 3.077+/-0.000 χ²/NDF: 24283856118.0/39
All: 3.061+/-0.000 χ²/NDF: 55115901116.4/8
- sign 3.045+/-0.000 χ²/NDF: 30815097648.4/41

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

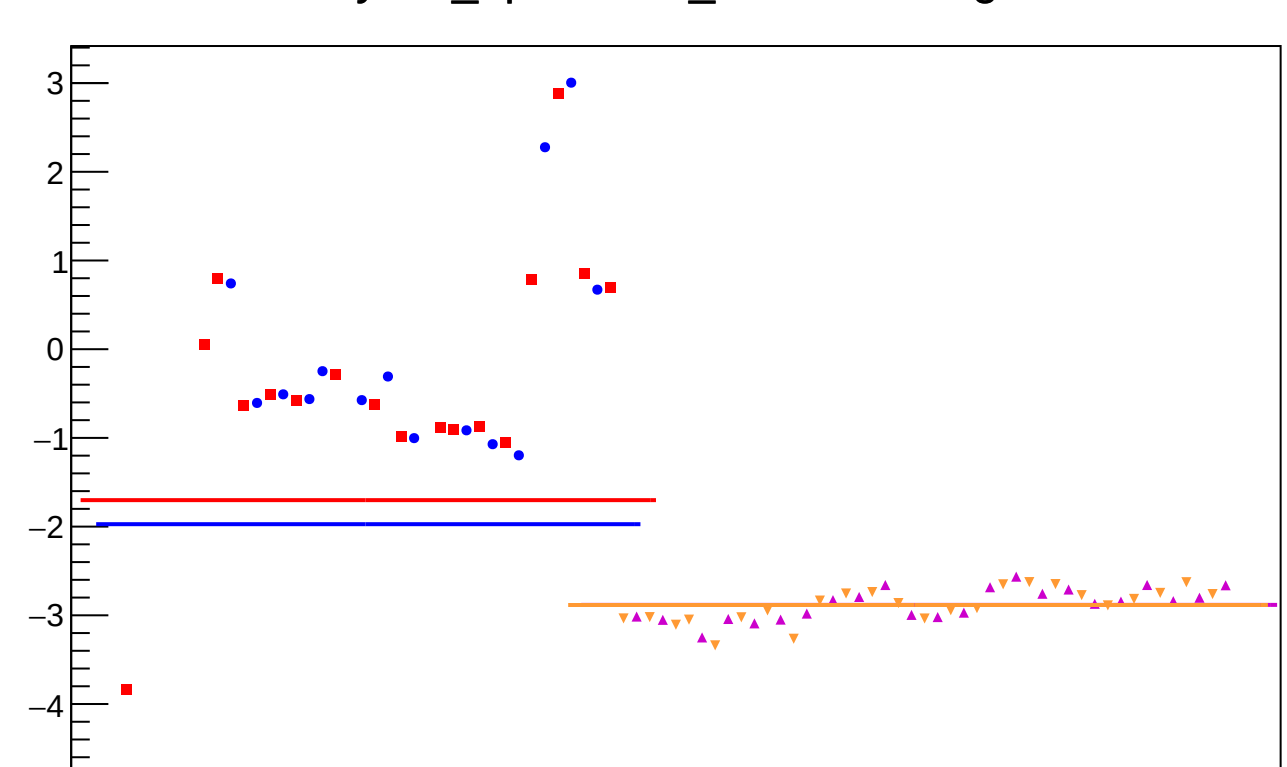
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 34365849.5/39

All: 0.013+/-0.000 χ^2/NDF: 66252697.6/81

- sign 0.013+/-0.000 χ^2/NDF: 31886803.7/41



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

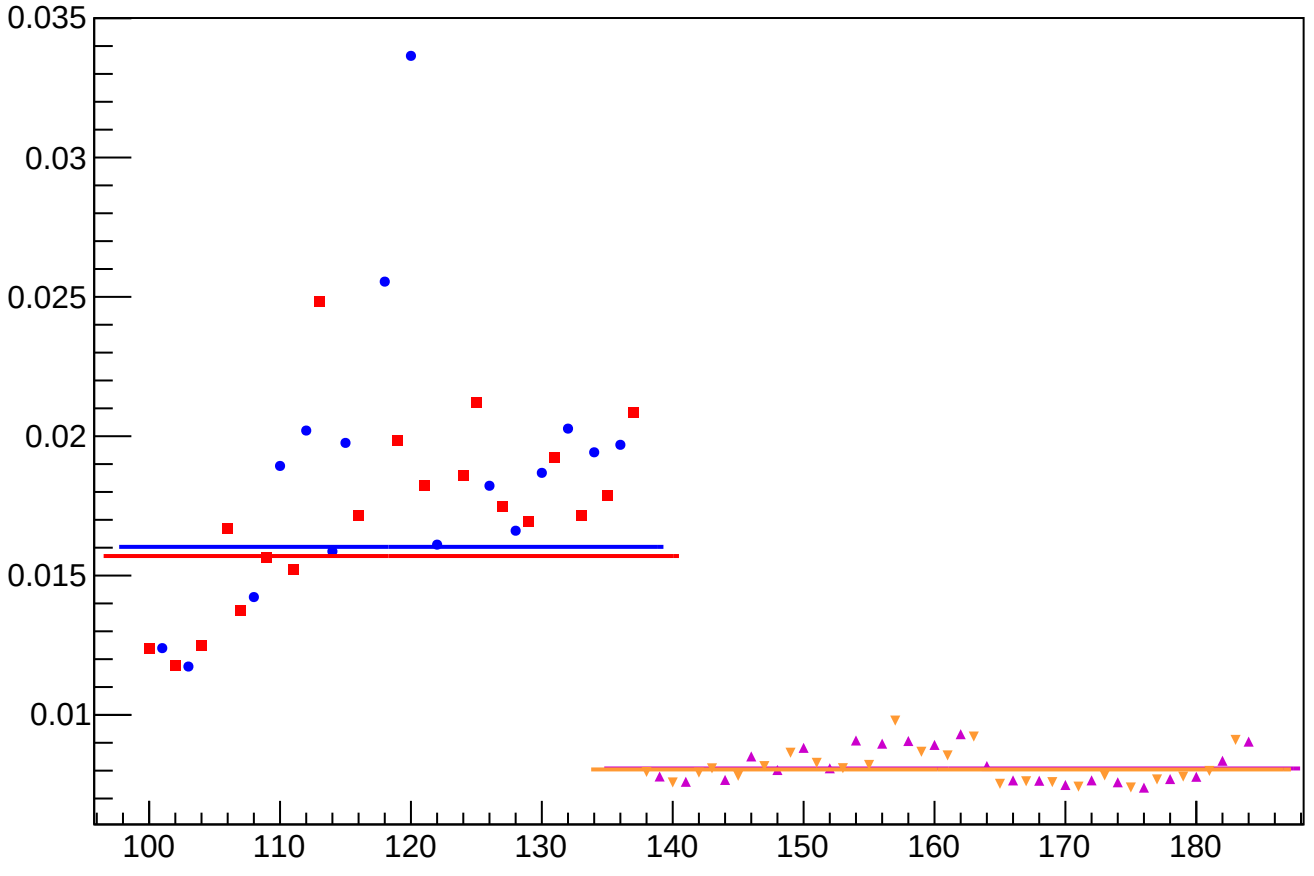
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.816+/-0.000 χ^2/NDF: 189743529814.4/39

All: -2.797+/-0.000 χ^2/NDF: 399257339147.4

- sign -2.778+/-0.000 χ^2/NDF: 209305447536.6/41

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

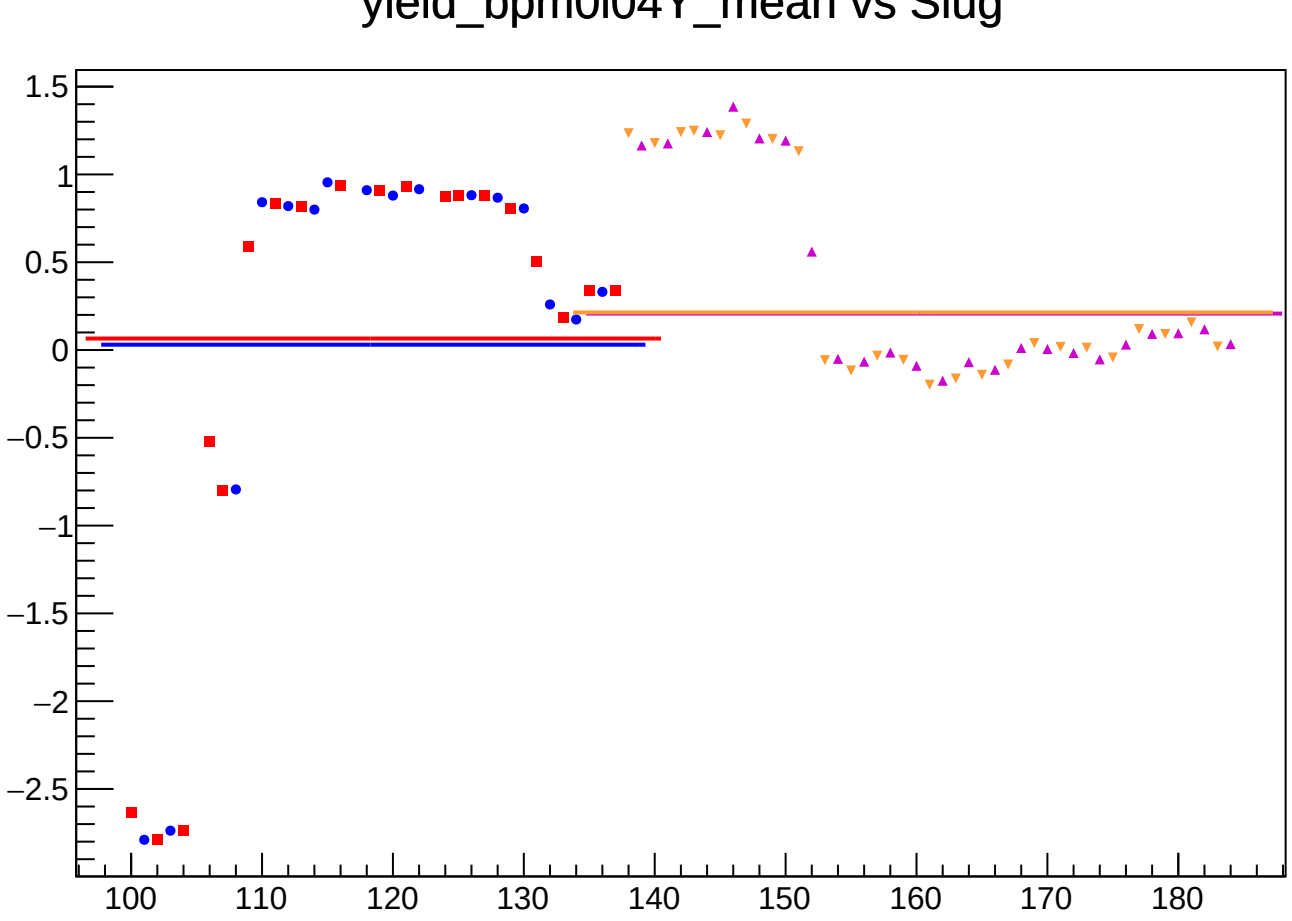
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 3581860.0/39

All: 0.009+/-0.000 χ^2/NDF: 7009845.1/81

- sign 0.009+/-0.000 χ^2/NDF: 3424327.1/41



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

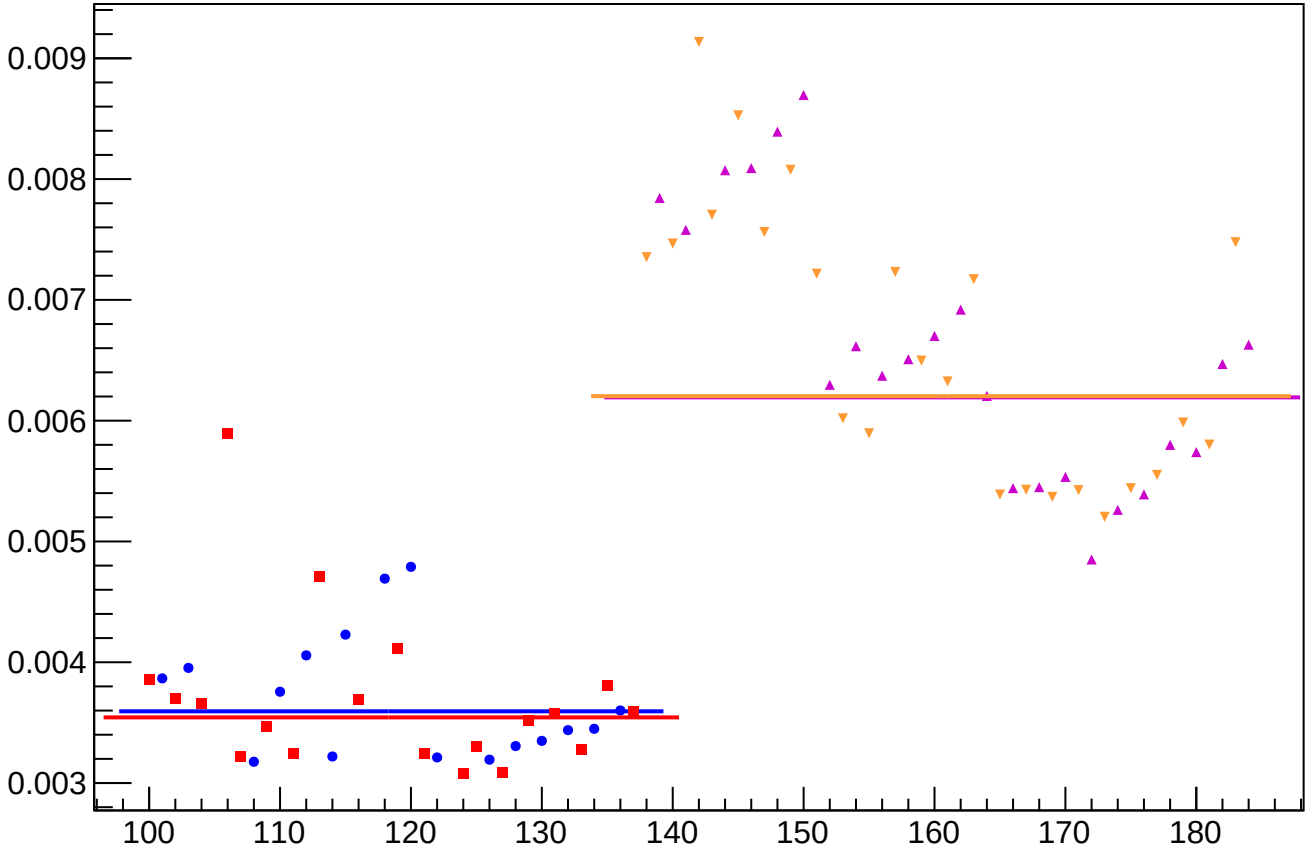
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.113+/-0.000 χ^2/NDF: 962317424408.8/39

All: 0.119+/-0.000 χ^2/NDF: 1989779990881.

- sign 0.126+/-0.000 χ^2/NDF: 1027386351303.5/41

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

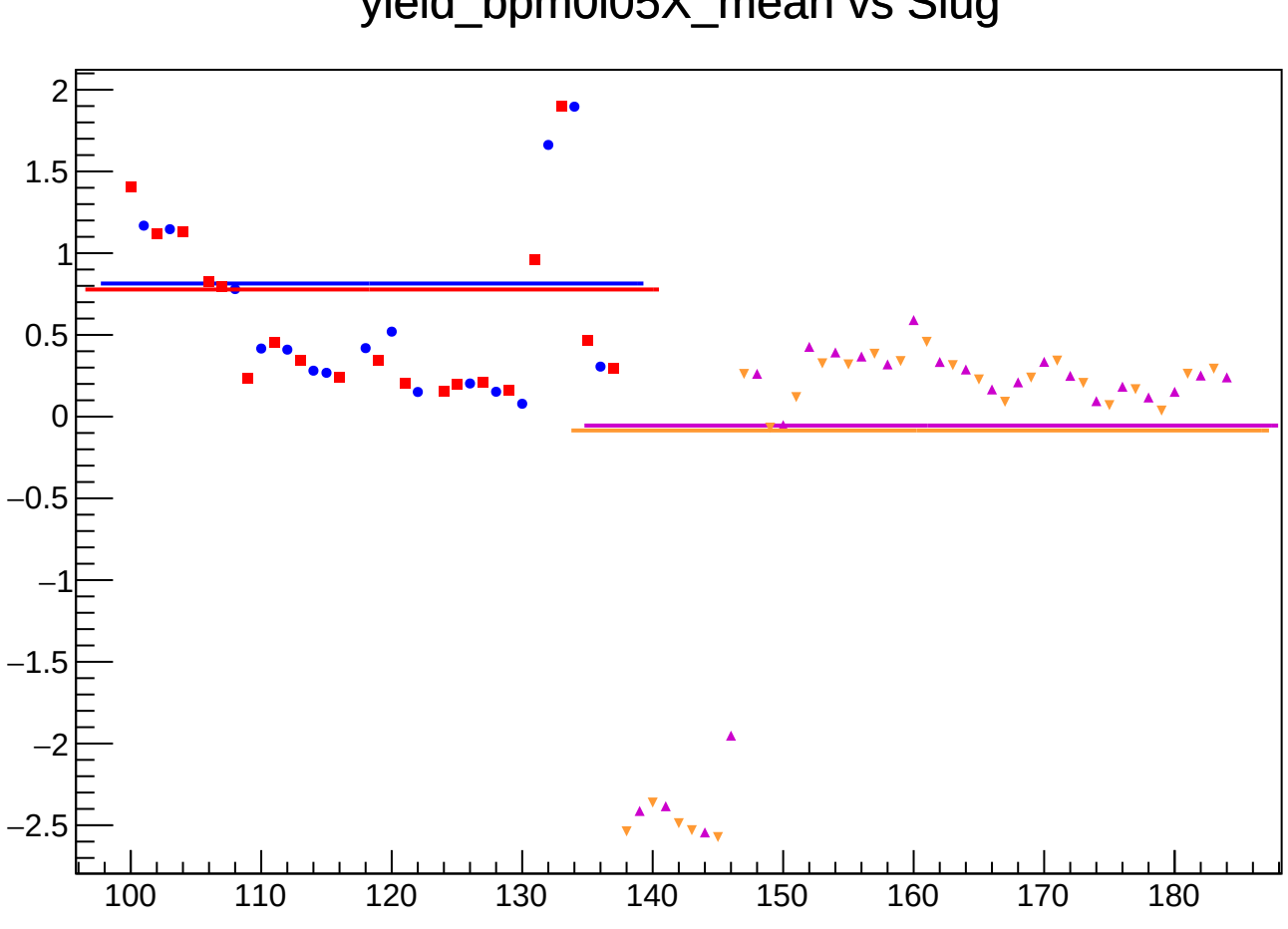
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4151184.1/39

All: 0.005+/-0.000 χ^2/NDF: 8538280.0/81

- sign 0.005+/-0.000 χ^2/NDF: 4377257.7/41



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

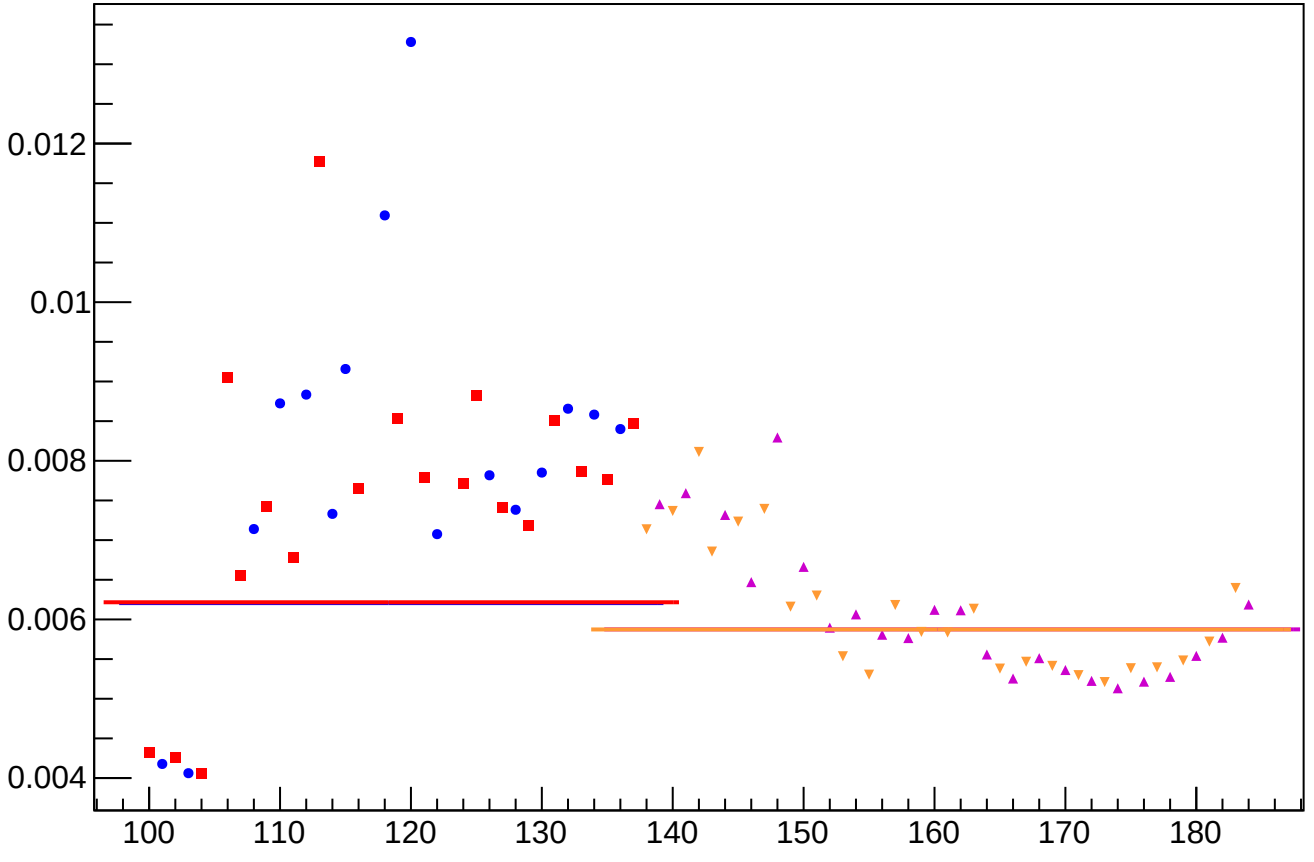
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.116+/-0.000 χ^2/NDF: 513704527786.0/39

All: 0.132+/-0.000 χ^2/NDF: 977244398044.5

- sign 0.148+/-0.000 χ^2/NDF: 463224494595.8/41

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:448333.0/23

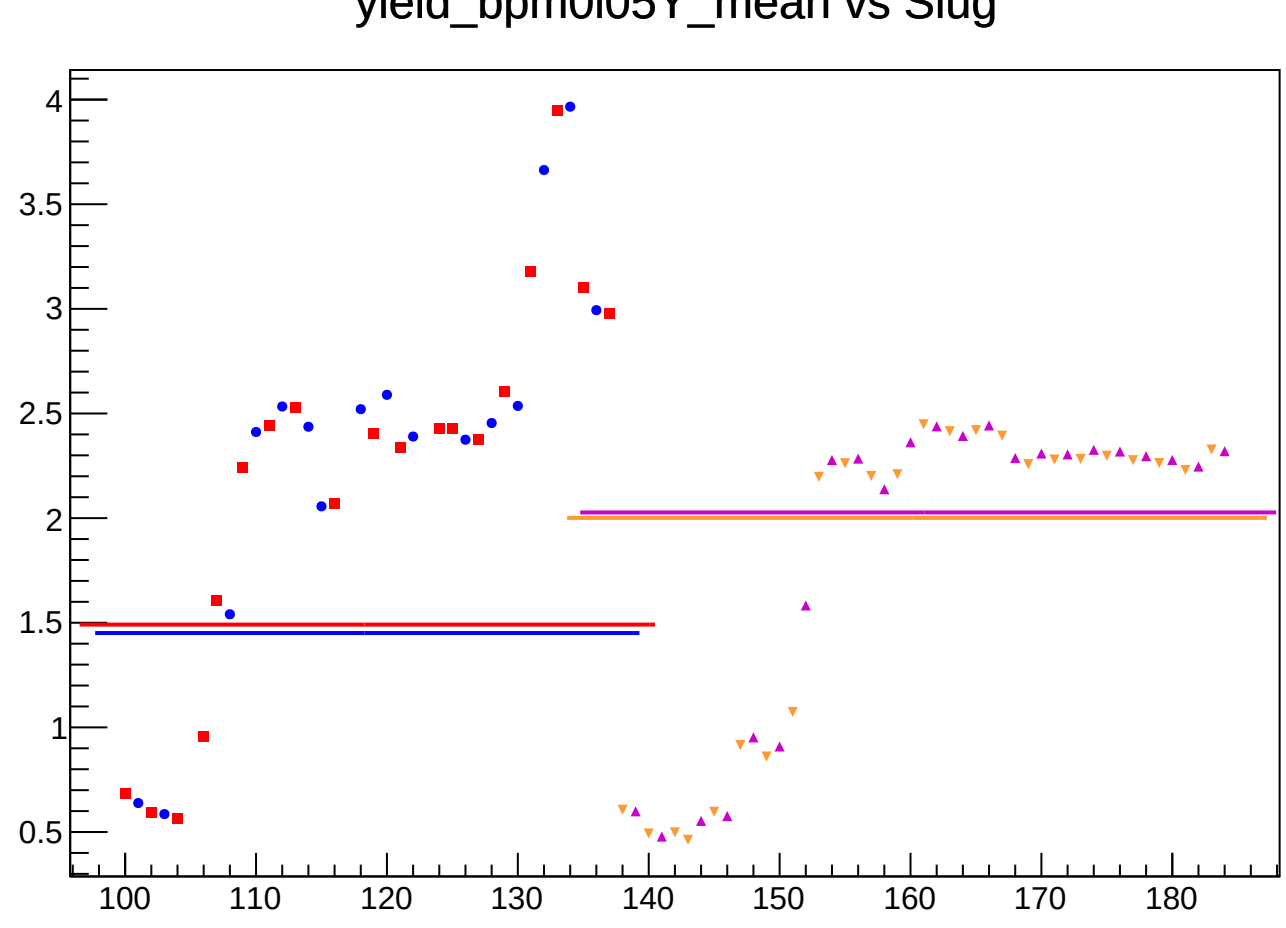
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1896986.3/39

All: 0.006+/-0.000 χ^2/NDF: 3607543.2/81

- sign 0.006+/-0.000 χ^2/NDF: 1710496.6/41



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

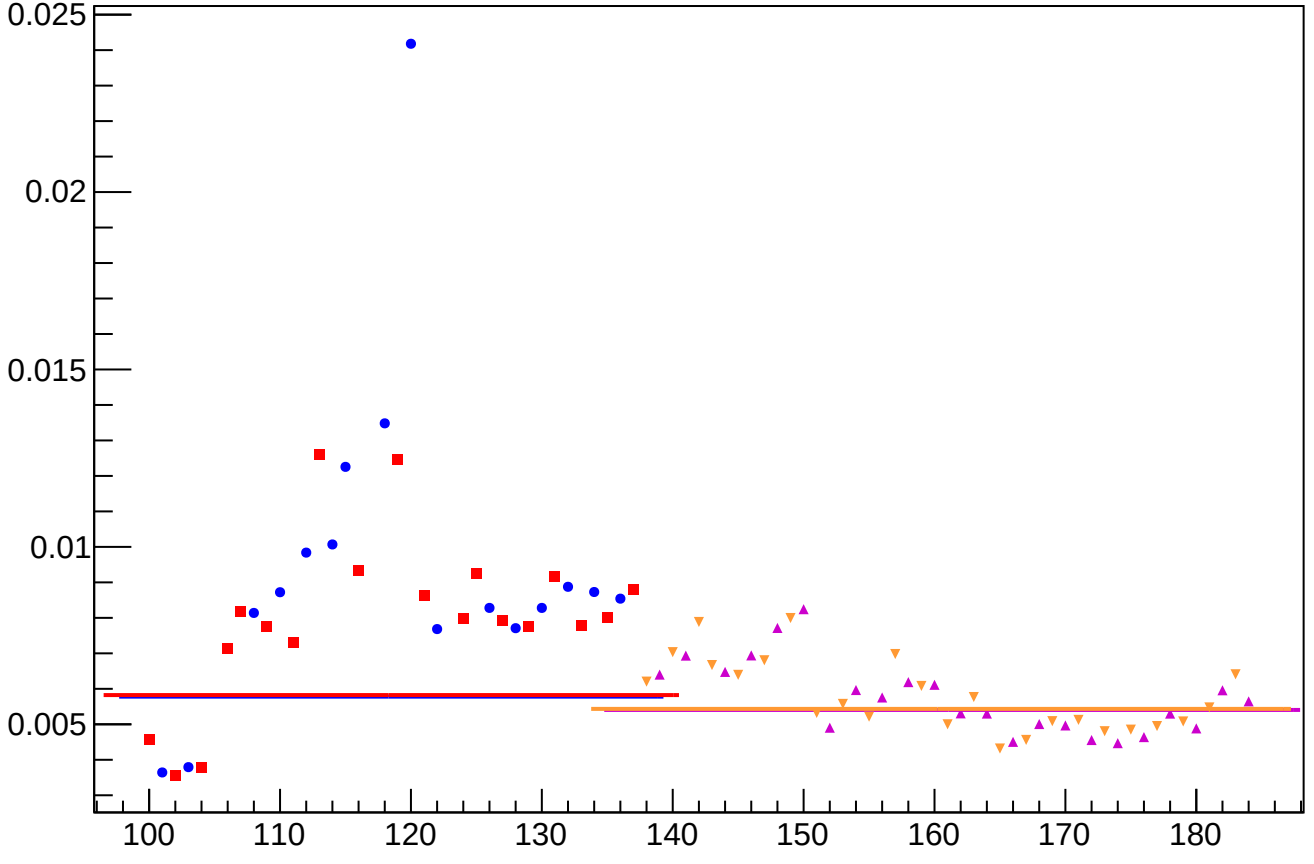
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.883+/-0.000 χ^2/NDF: 423981830237.7/39

All: 1.893+/-0.000 χ^2/NDF: 841078548677.5

- sign 1.902+/-0.000 χ^2/NDF: 416966558050.1/41

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

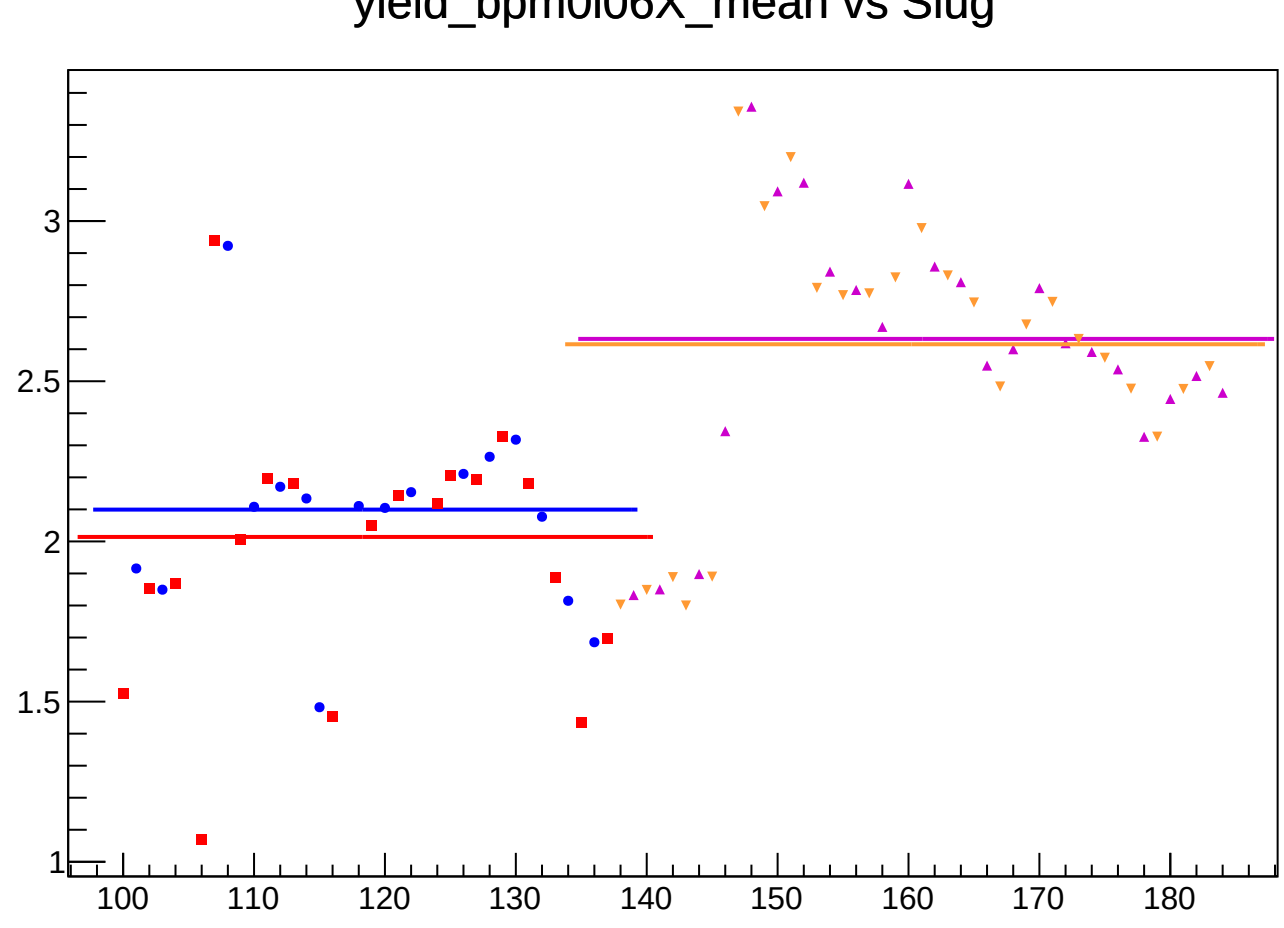
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 2981323.4/39

All: 0.006+/-0.000 χ^2/NDF: 5795658.5/81

- sign 0.006+/-0.000 χ^2/NDF: 2814306.3/41



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

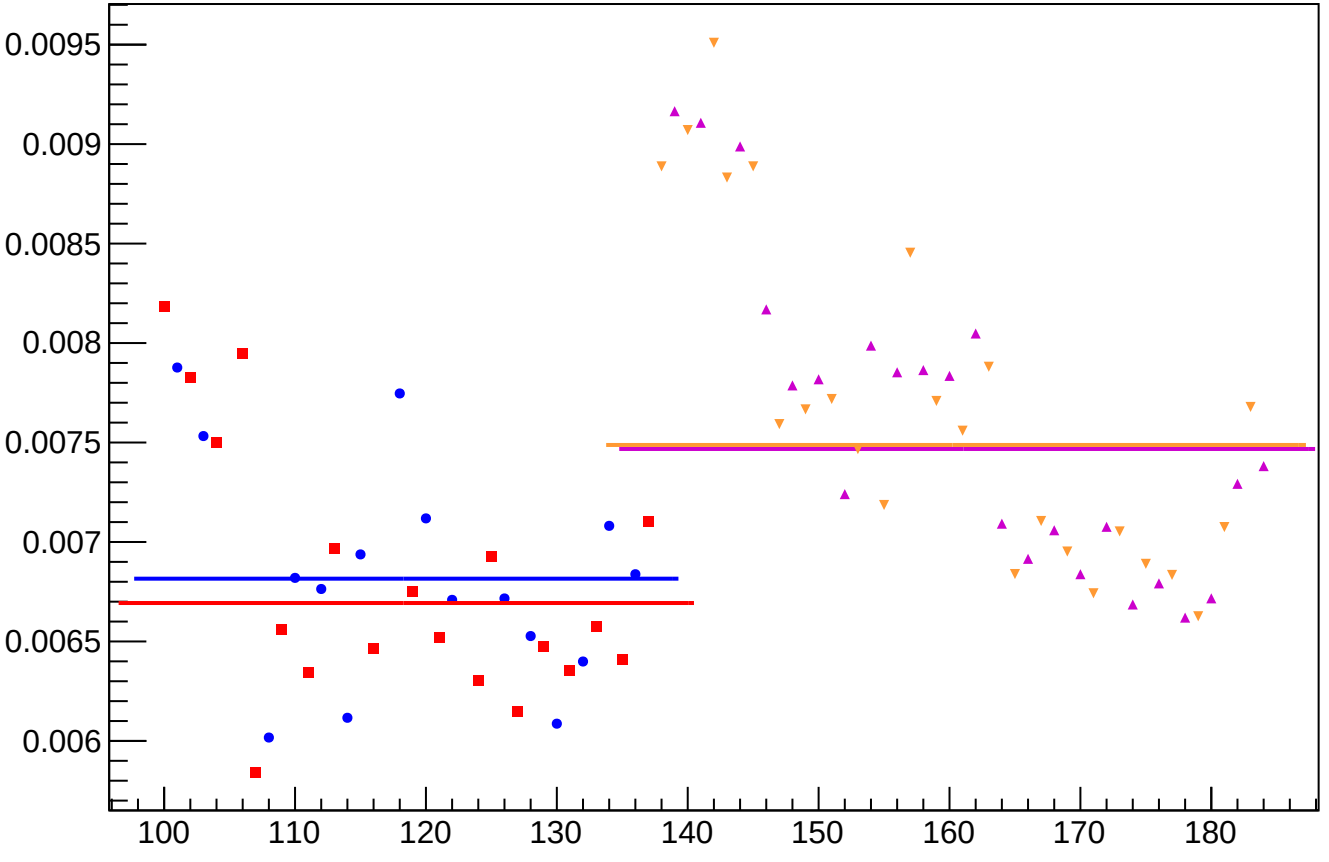
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.453+/-0.000 χ^2/NDF: 87041671136.9/39

All: 2.437+/-0.000 χ^2/NDF: 187670865505.1

- sign 2.422+/-0.000 χ^2/NDF: 100414055322.2/41

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:329749.6/23

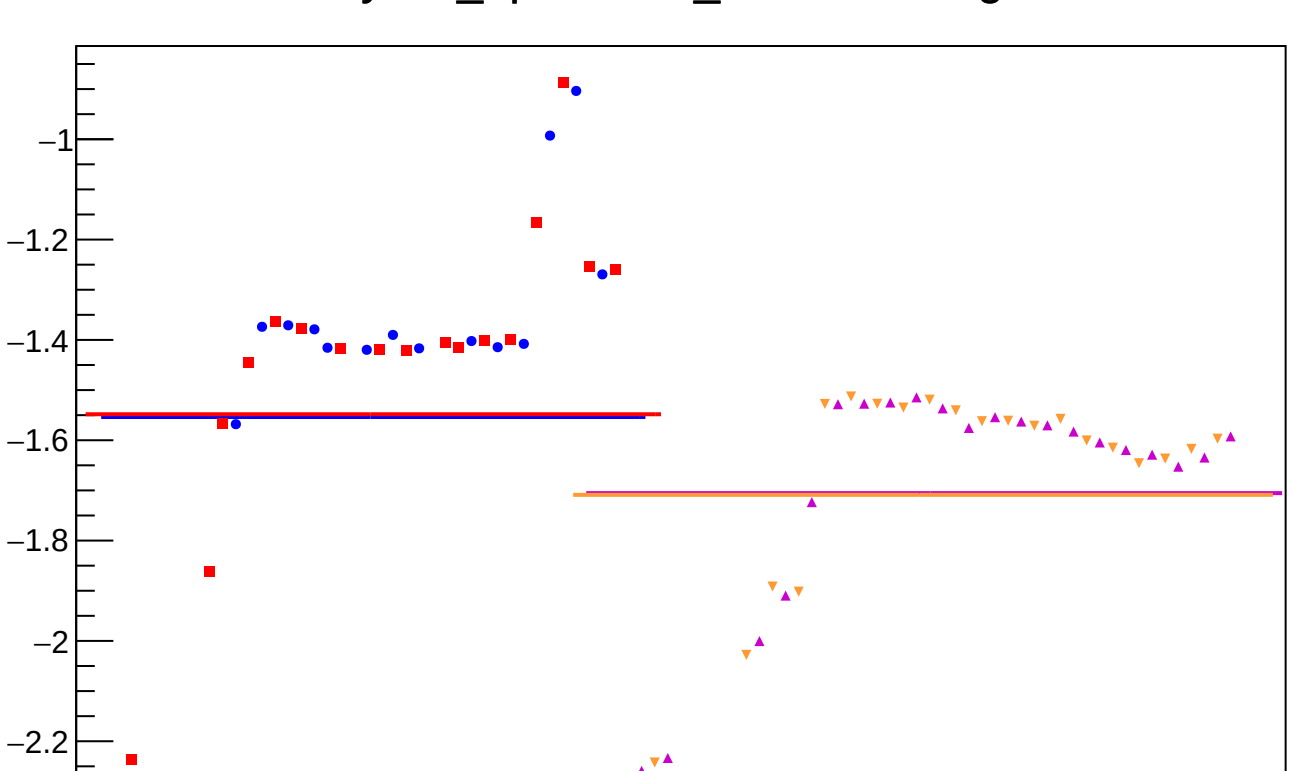
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 507469.3/39

All: 0.007+/-0.000 χ^2/NDF: 1045905.6/81

- sign 0.007+/-0.000 χ^2/NDF: 536074.1/41



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.709+/-0.000 χ^2/NDF:151493101798.9/23

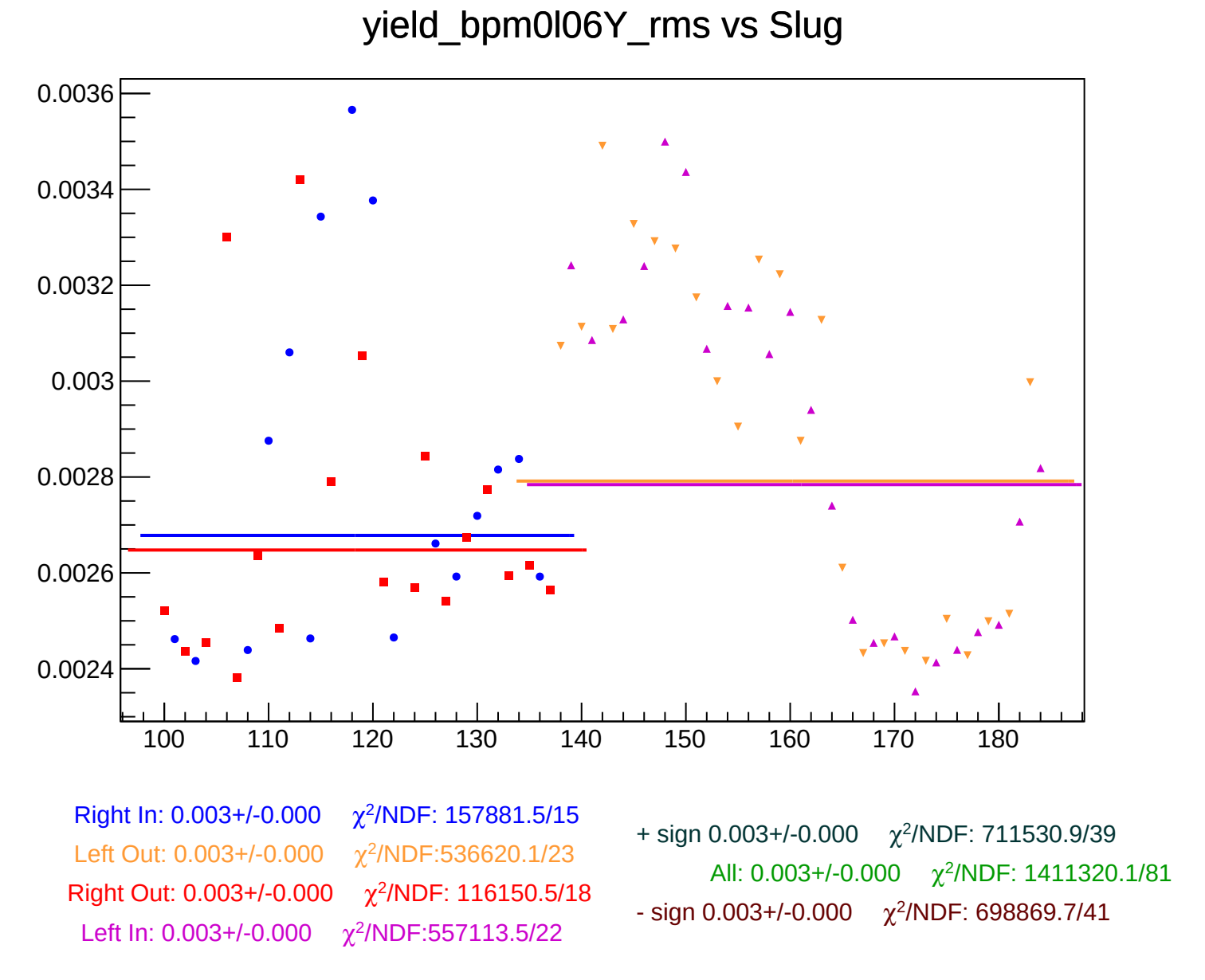
Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

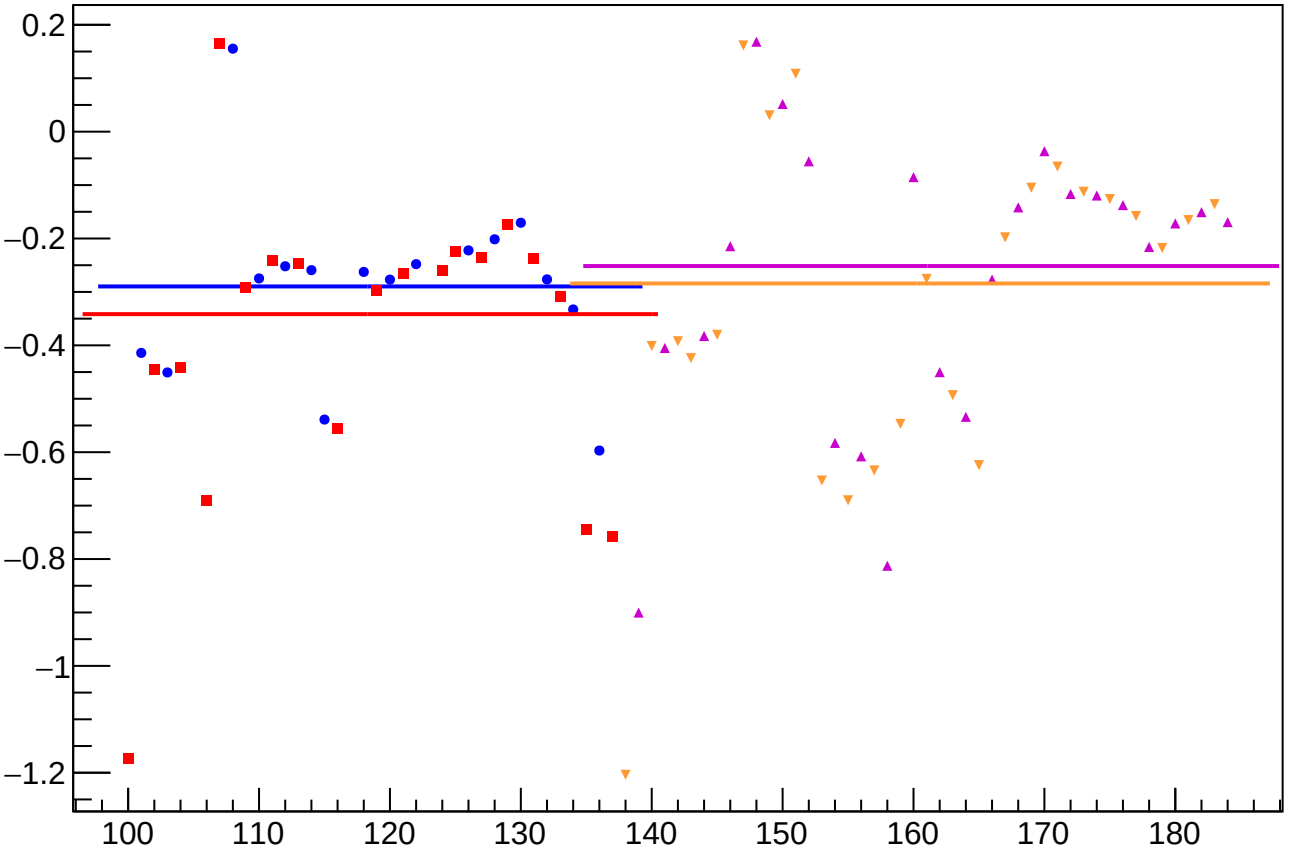
+ sign -1.663+/-0.000 χ^2/NDF: 342623933308.6/39

All: -1.660+/-0.000 χ^2/NDF: 670987101720.2

- sign -1.656+/-0.000 χ^2/NDF: 328279736880.3/41


yield_bpm0l06Y_rms vs Slug
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 157881.5/15
Left Out: 0.003+/-0.000 χ²/NDF:536620.1/23
Right Out: 0.003+/-0.000 χ²/NDF: 116150.5/18
Left In: 0.003+/-0.000 χ²/NDF:557113.5/22
+ sign 0.003+/-0.000 χ²/NDF: 711530.9/39
All: 0.003+/-0.000 χ²/NDF: 1411320.1/81
- sign 0.003+/-0.000 χ²/NDF: 698869.7/41

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

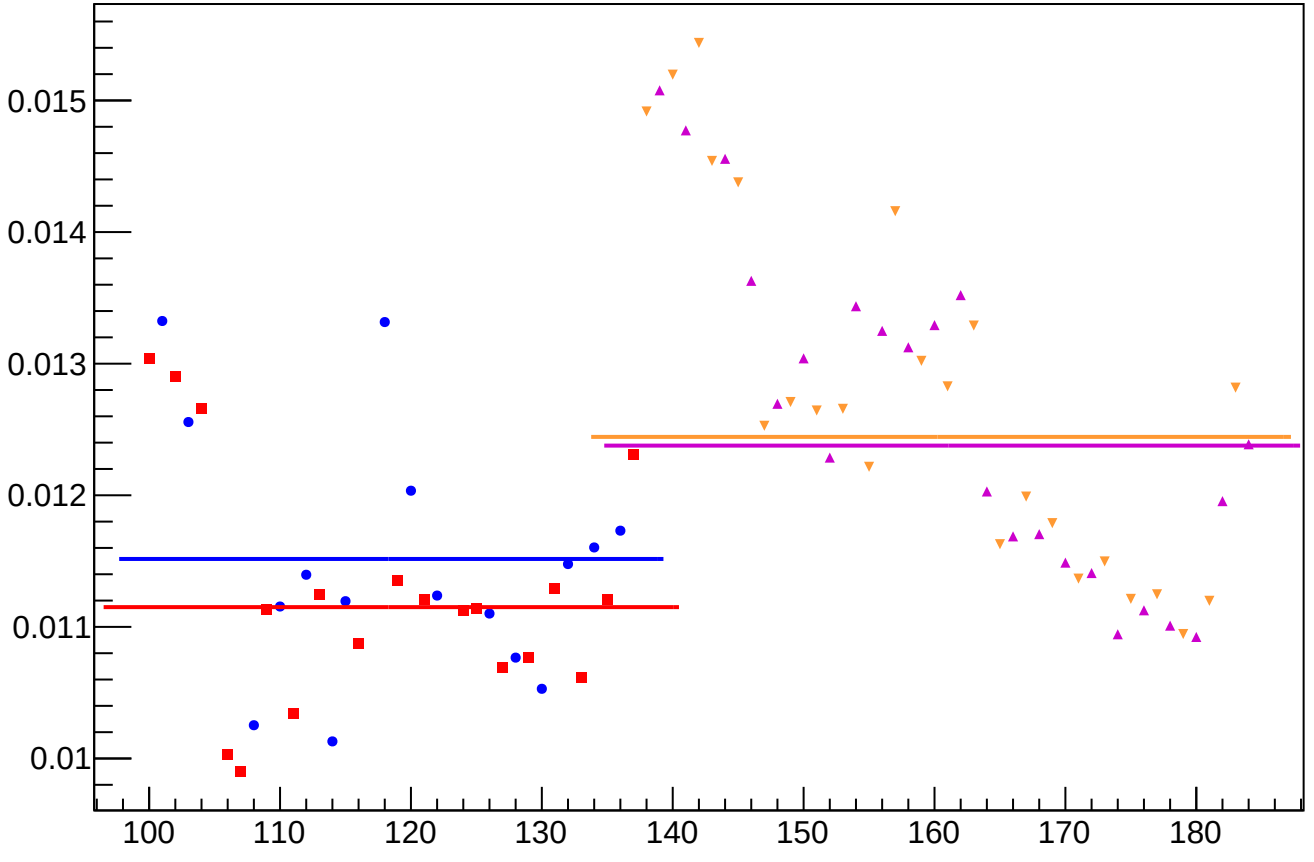
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.286+/-0.000 χ^2/NDF: 10972264374.4/39

All: -0.284+/-0.000 χ^2/NDF: 21061780923.4/

- sign -0.282+/-0.000 χ^2/NDF: 10088375793.9/41

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.012+/-0.000 χ^2/NDF:339227.2/23

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

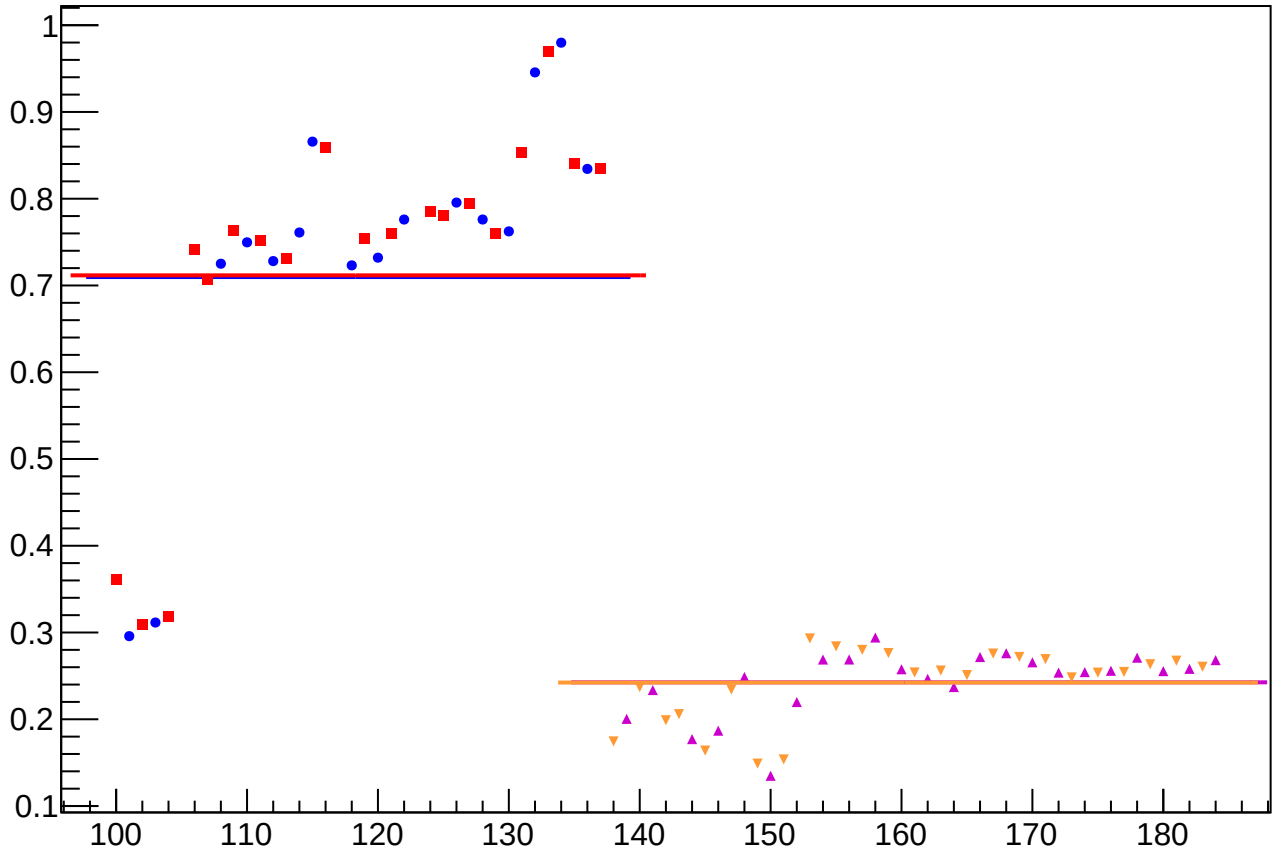
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 485420.4/39

All: 0.012+/-0.000 χ^2/NDF: 1005390.5/81

- sign 0.012+/-0.000 χ^2/NDF: 513370.6/41

yield_bpm0l07Y_mean vs Slug



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

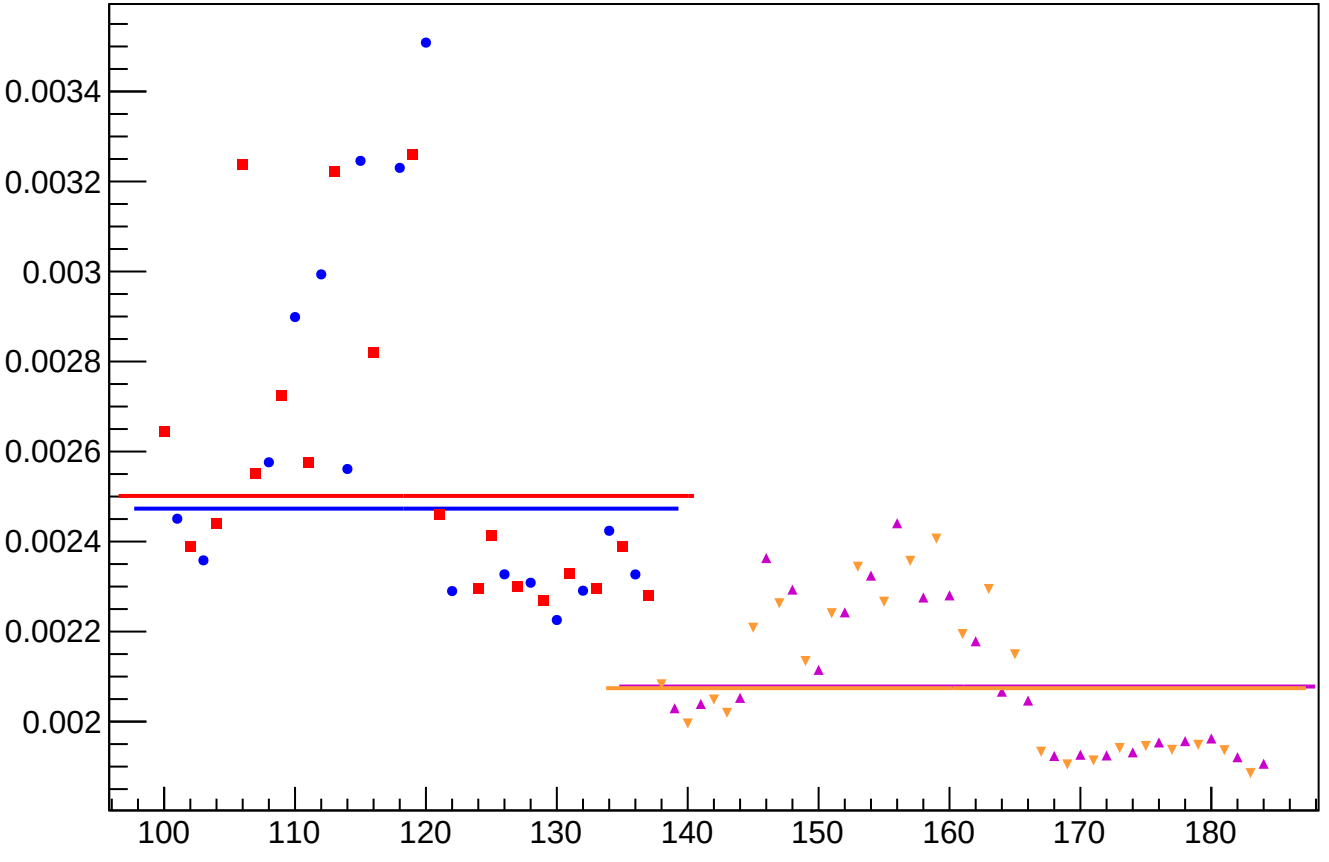
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.337+/-0.000 χ^2/NDF: 250251552057.6/39

All: 0.339+/-0.000 χ^2/NDF: 495308547879.3

- sign 0.342+/-0.000 χ^2/NDF: 244999264094.7/41

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

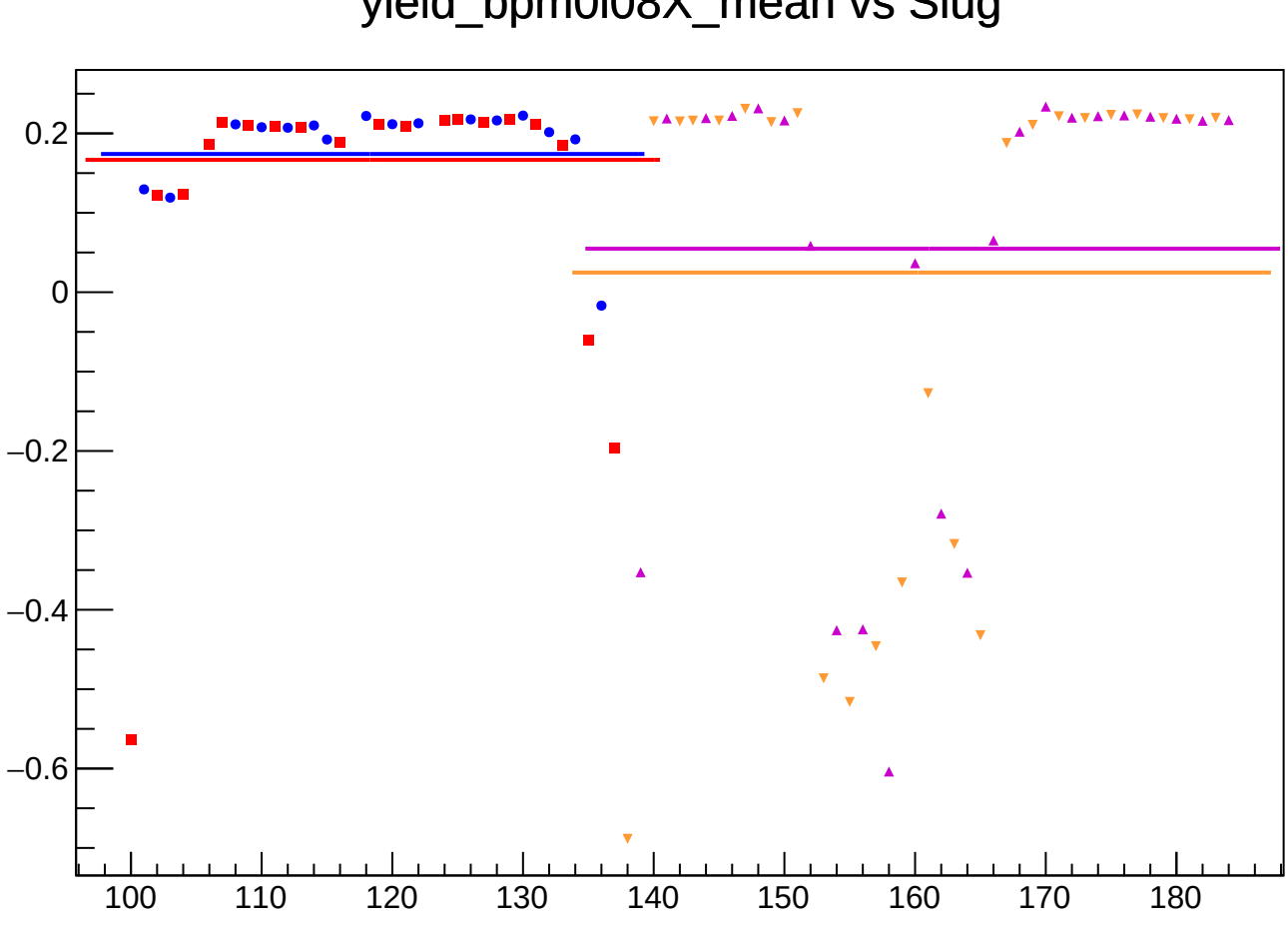
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 719888.9/39

All: 0.002+/-0.000 χ^2/NDF: 1427605.7/81

- sign 0.002+/-0.000 χ^2/NDF: 706900.4/41



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

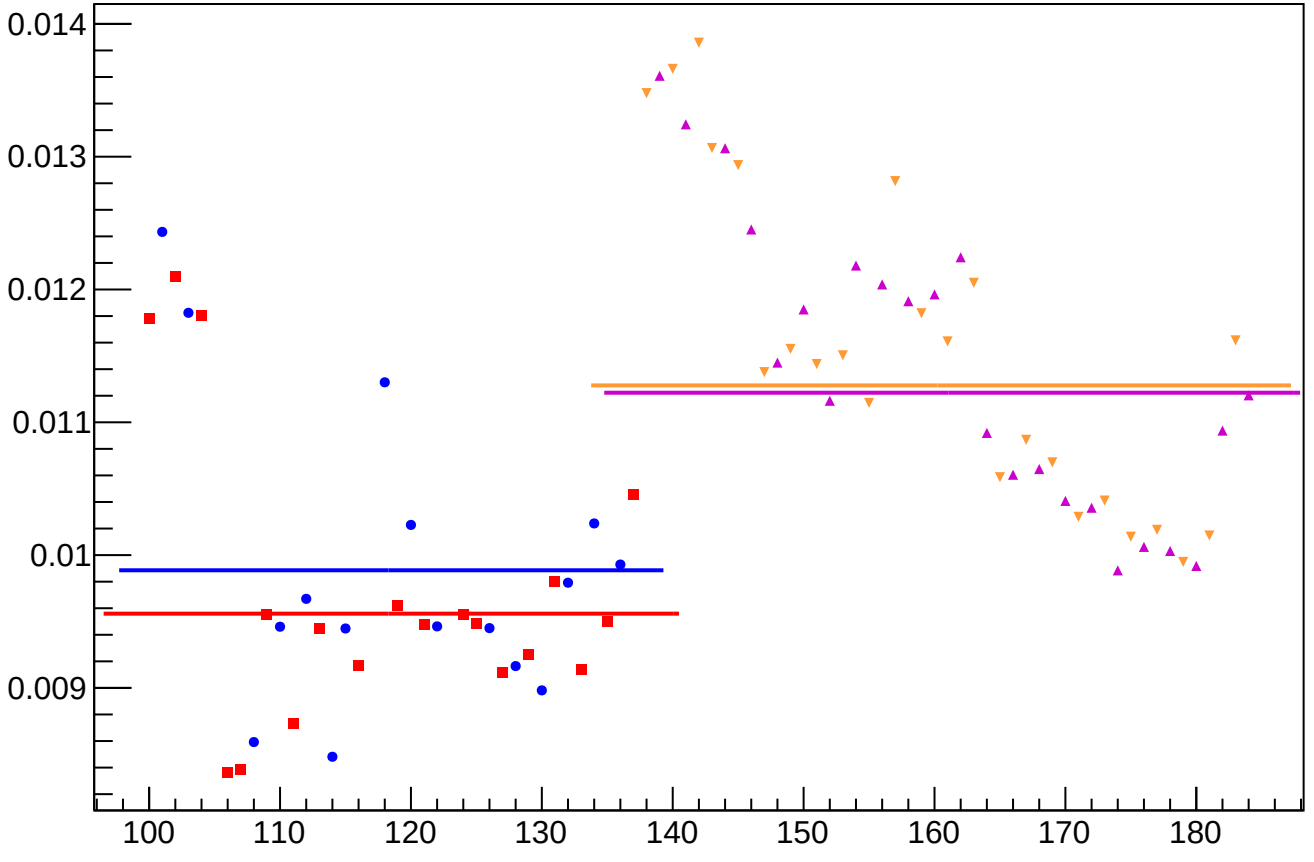
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.074+/-0.000 χ^2/NDF: 14360145199.1/39

All: 0.085+/-0.000 χ^2/NDF: 25635016090.0/8

- sign 0.096+/-0.000 χ^2/NDF: 11225616549.8/41

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

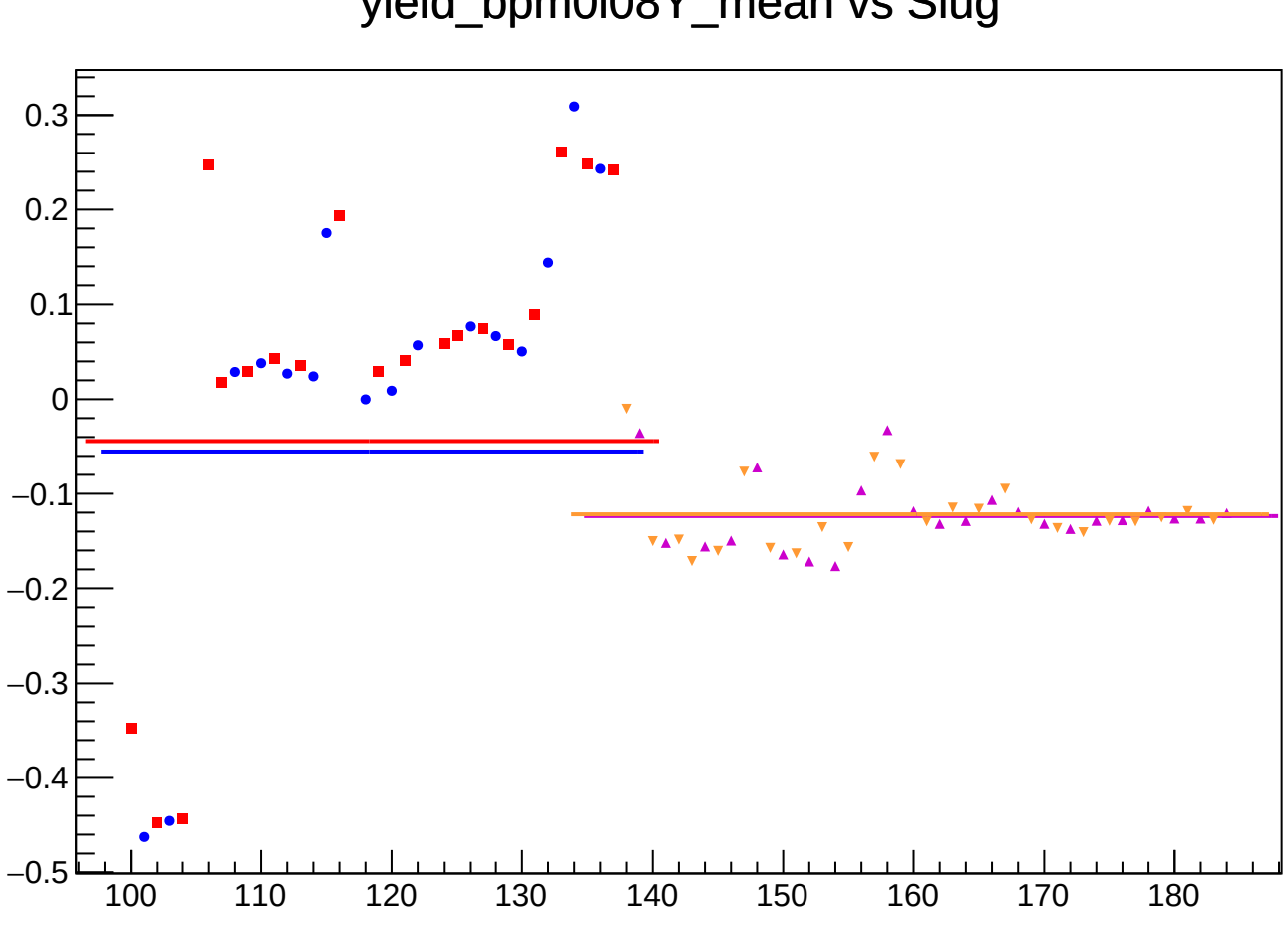
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

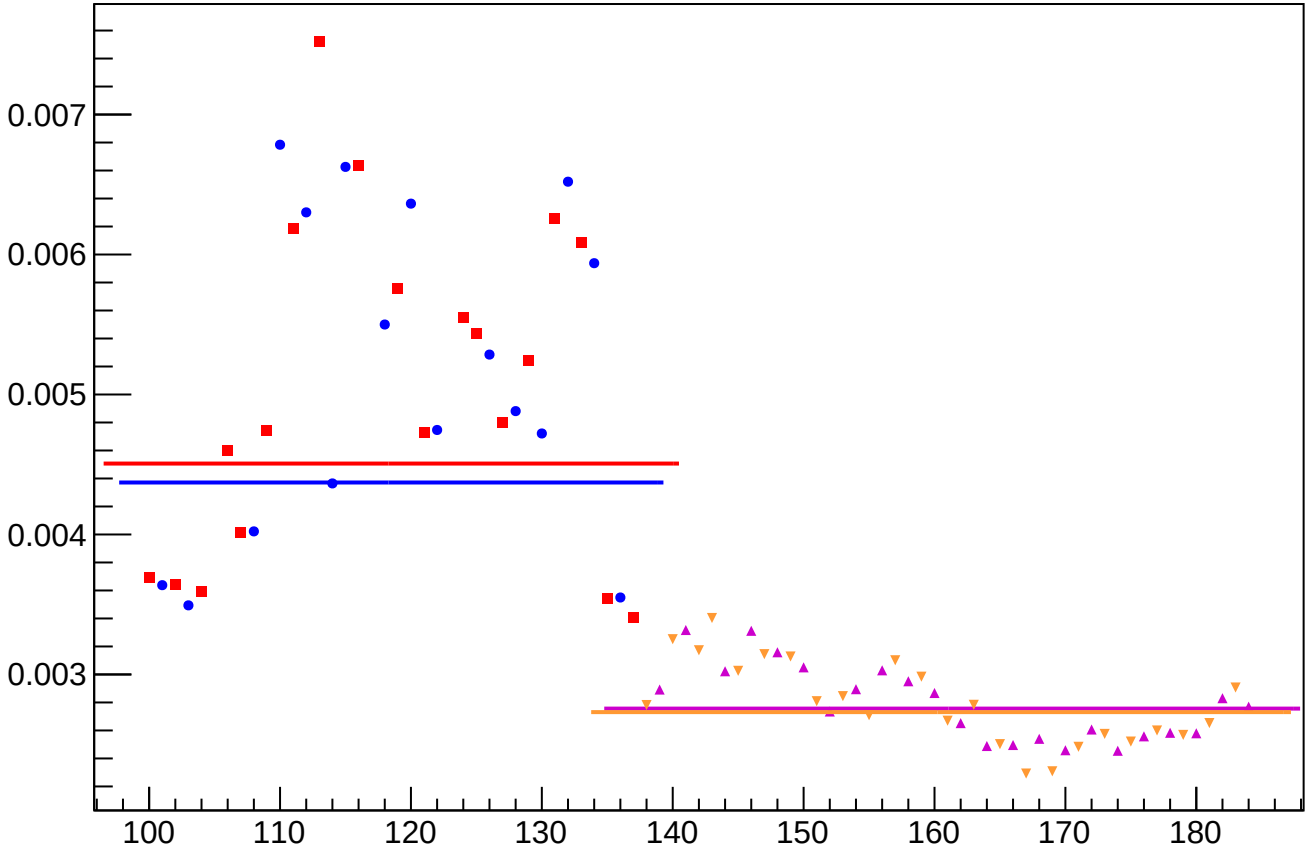
+ sign 0.011+/-0.000 χ^2/NDF: 656896.0/39

All: 0.011+/-0.000 χ^2/NDF: 1394317.1/81

- sign 0.011+/-0.000 χ^2/NDF: 728843.7/41


yield_bpm0l08Y_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.122+/-0.000 χ²/NDF:2922511134.4/23
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.124+/-0.000 χ²/NDF:2809457047.2/22
+ sign -0.114+/-0.000 χ²/NDF: 28248814224.3/39
All: -0.114+/-0.000 χ²/NDF: 54935626721.7/
- sign -0.114+/-0.000 χ²/NDF: 26686812419.1/41

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

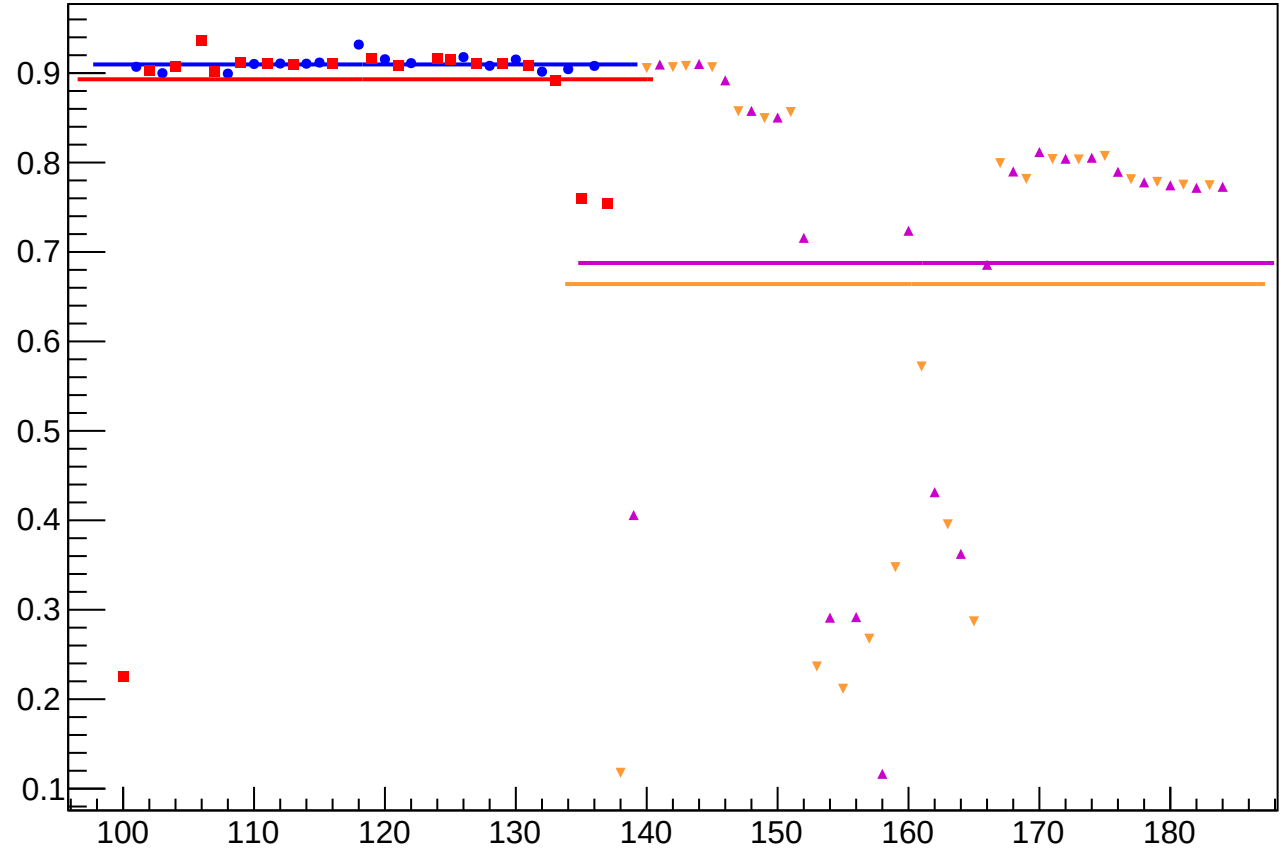
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 2569198.1/39

All: 0.003+/-0.000 χ^2/NDF: 5267552.2/81

- sign 0.003+/-0.000 χ^2/NDF: 2692604.0/41

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

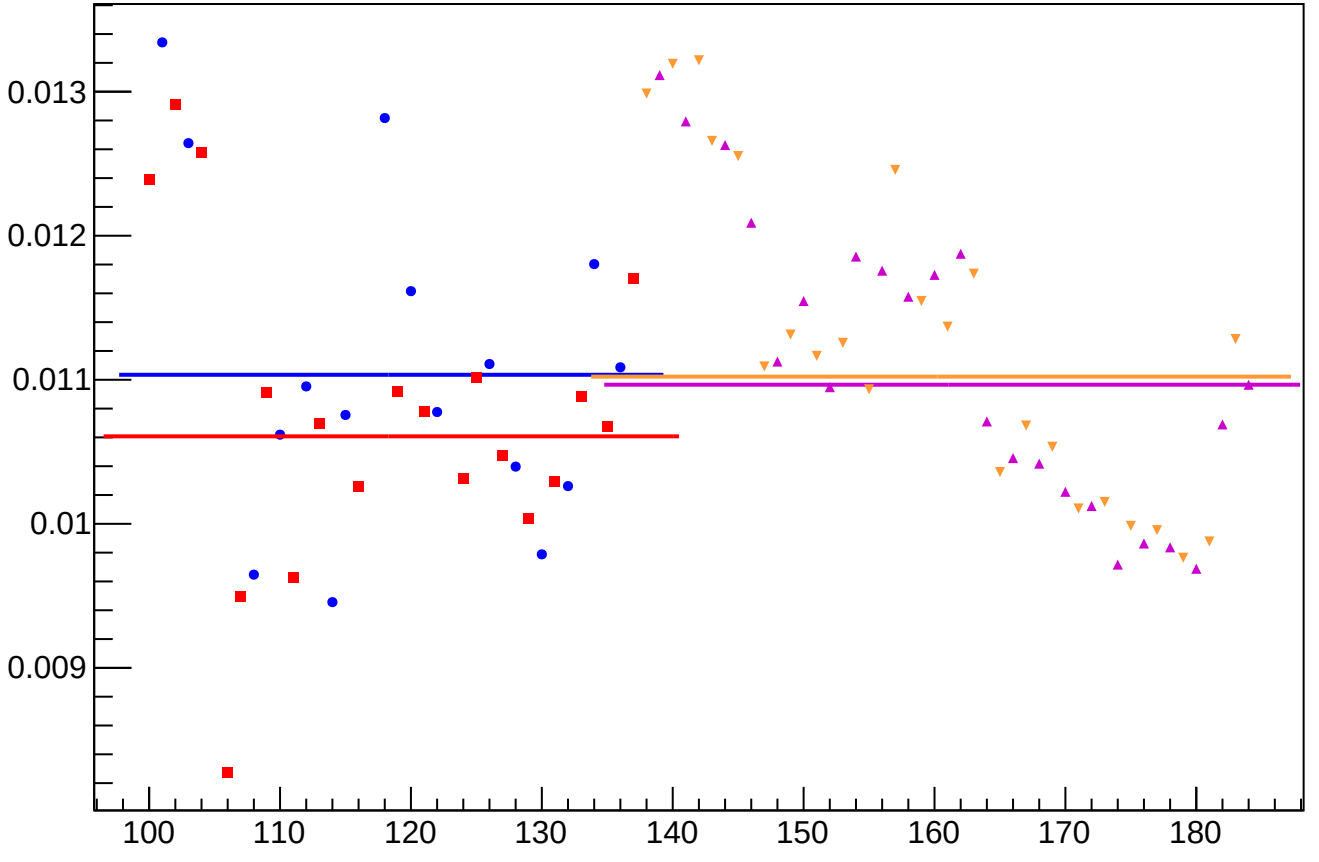
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.731+/-0.000 χ^2/NDF: 11662863431.4/39

All: 0.741+/-0.000 χ^2/NDF: 20902061816.4/8

- sign 0.751+/-0.000 χ^2/NDF: 9200990260.2/41

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:297955.9/23

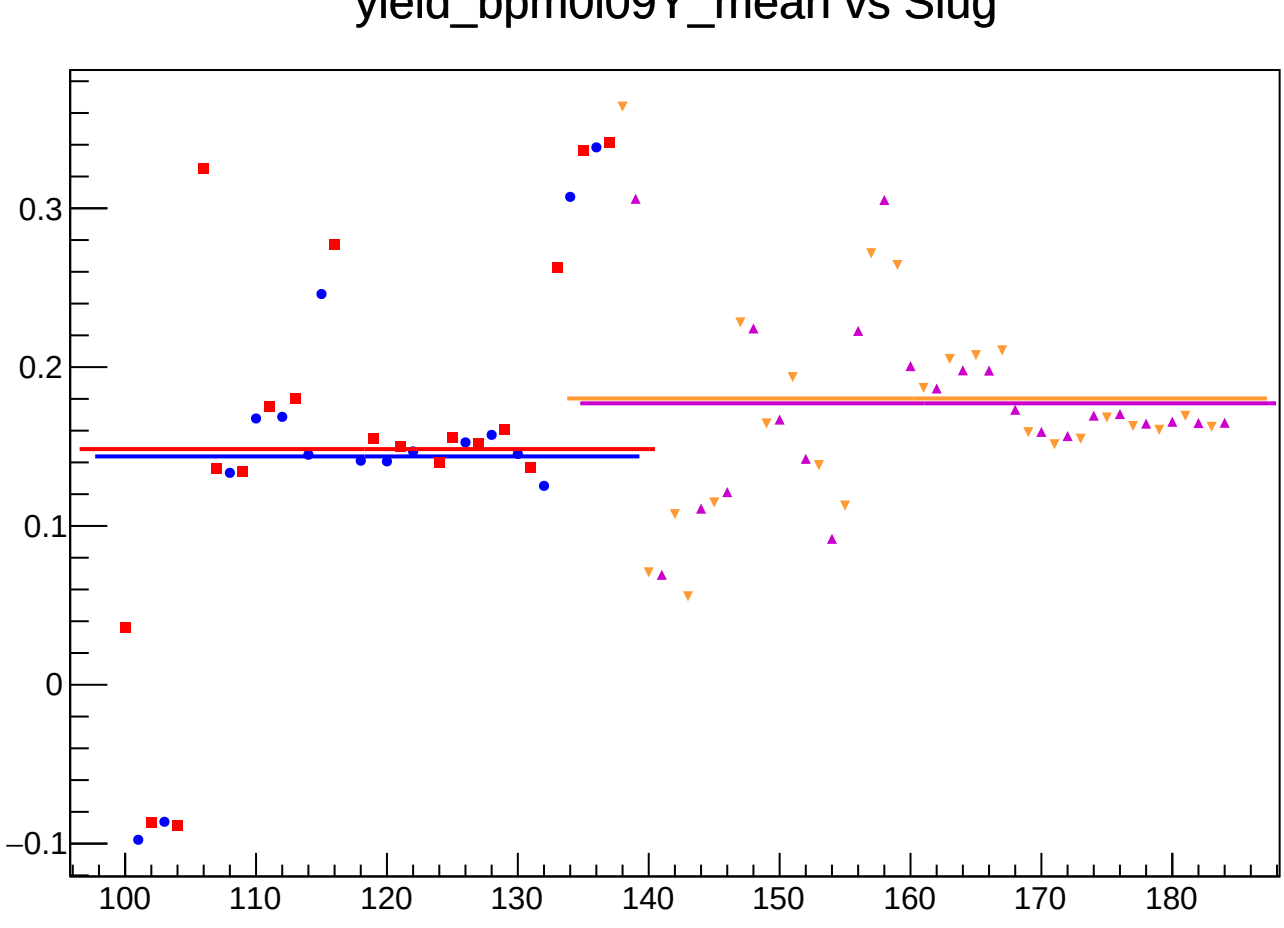
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 428322.6/39

All: 0.011+/-0.000 χ^2/NDF: 877283.8/81

- sign 0.011+/-0.000 χ^2/NDF: 443012.1/41



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

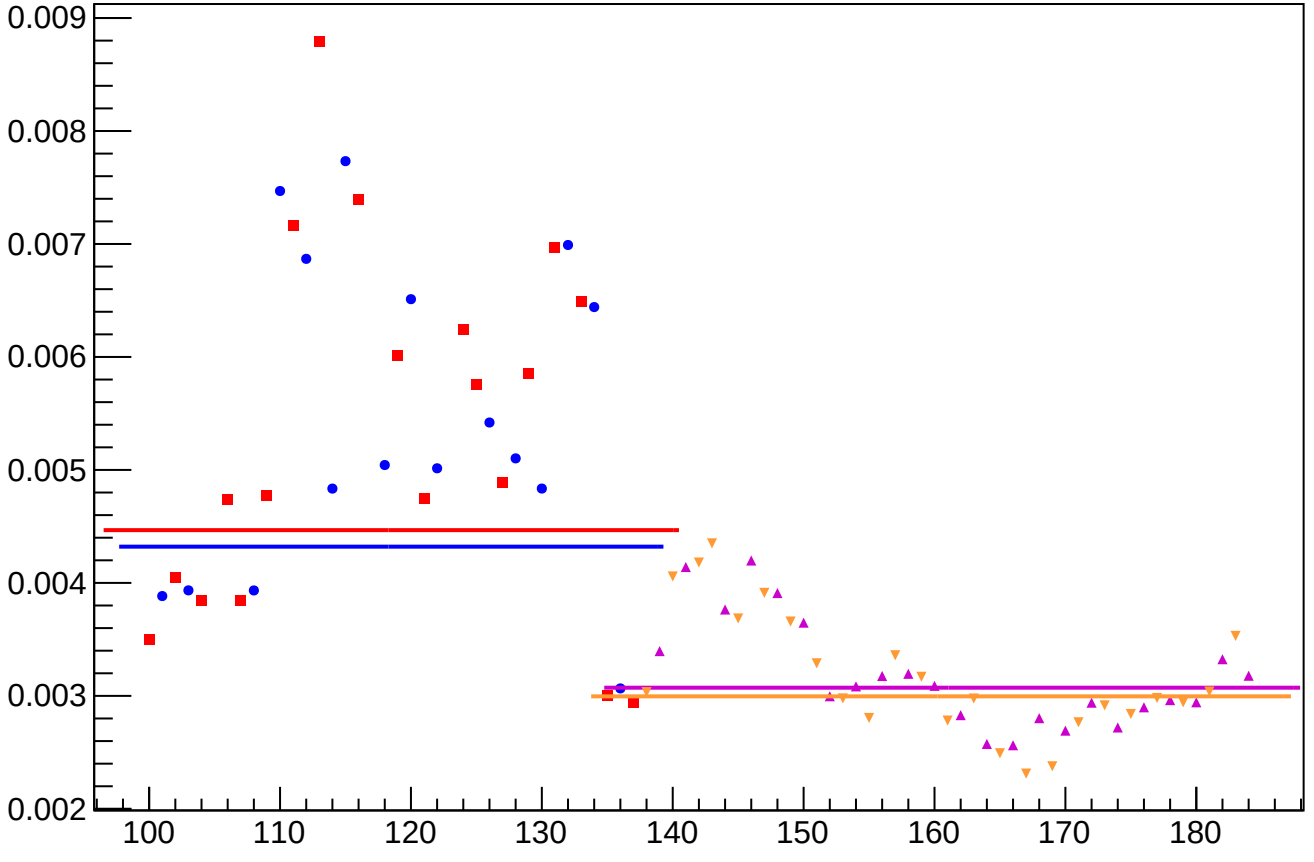
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.175+/-0.000 χ^2/NDF: 14664089555.3/39

All: 0.174+/-0.000 χ^2/NDF: 26630618617.8/8

- sign 0.173+/-0.000 χ^2/NDF: 11961214119.9/41

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

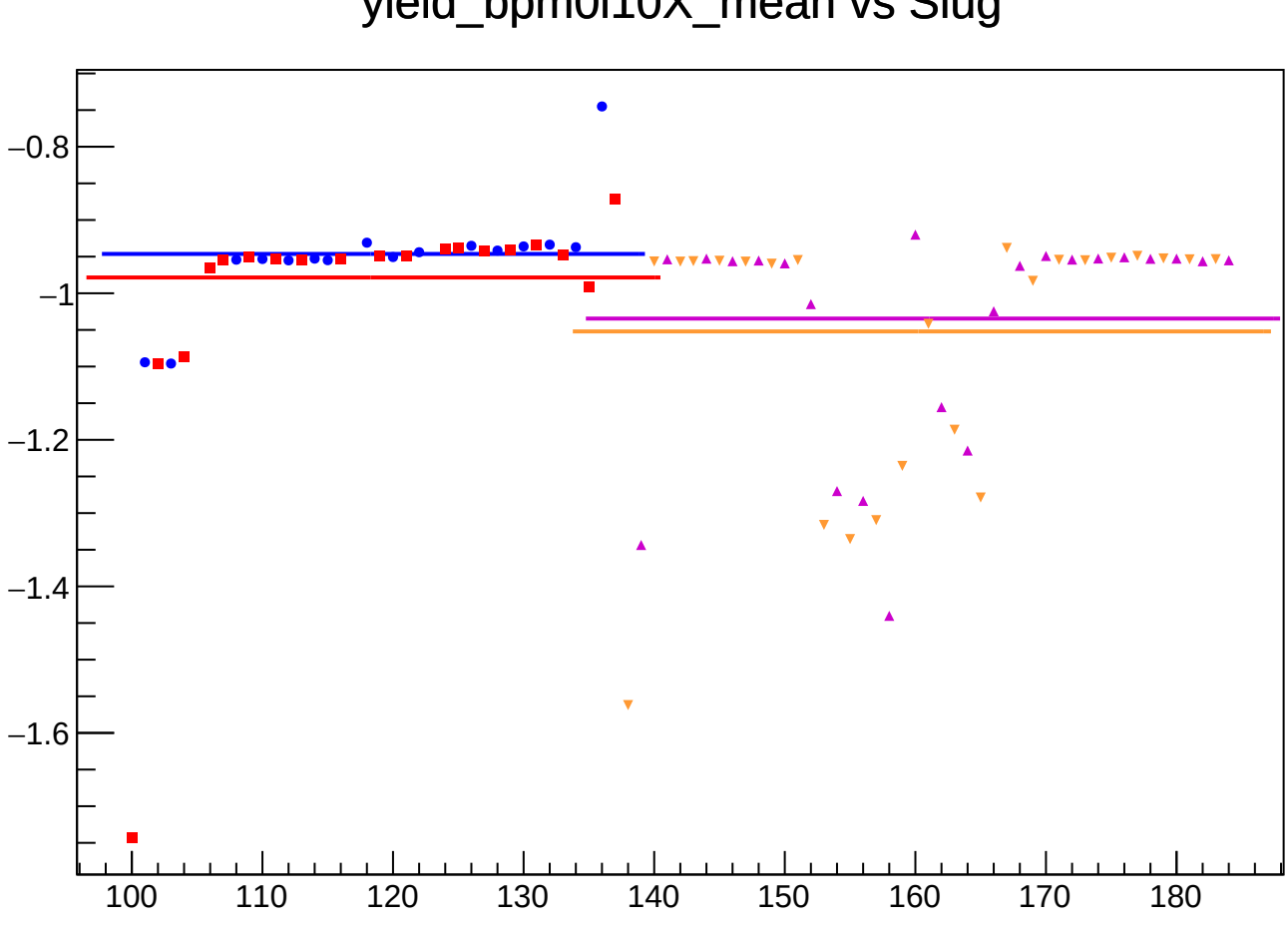
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 2685291.8/39

All: 0.003+/-0.000 χ^2/NDF: 5369390.7/81

- sign 0.003+/-0.000 χ^2/NDF: 2664114.4/41



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

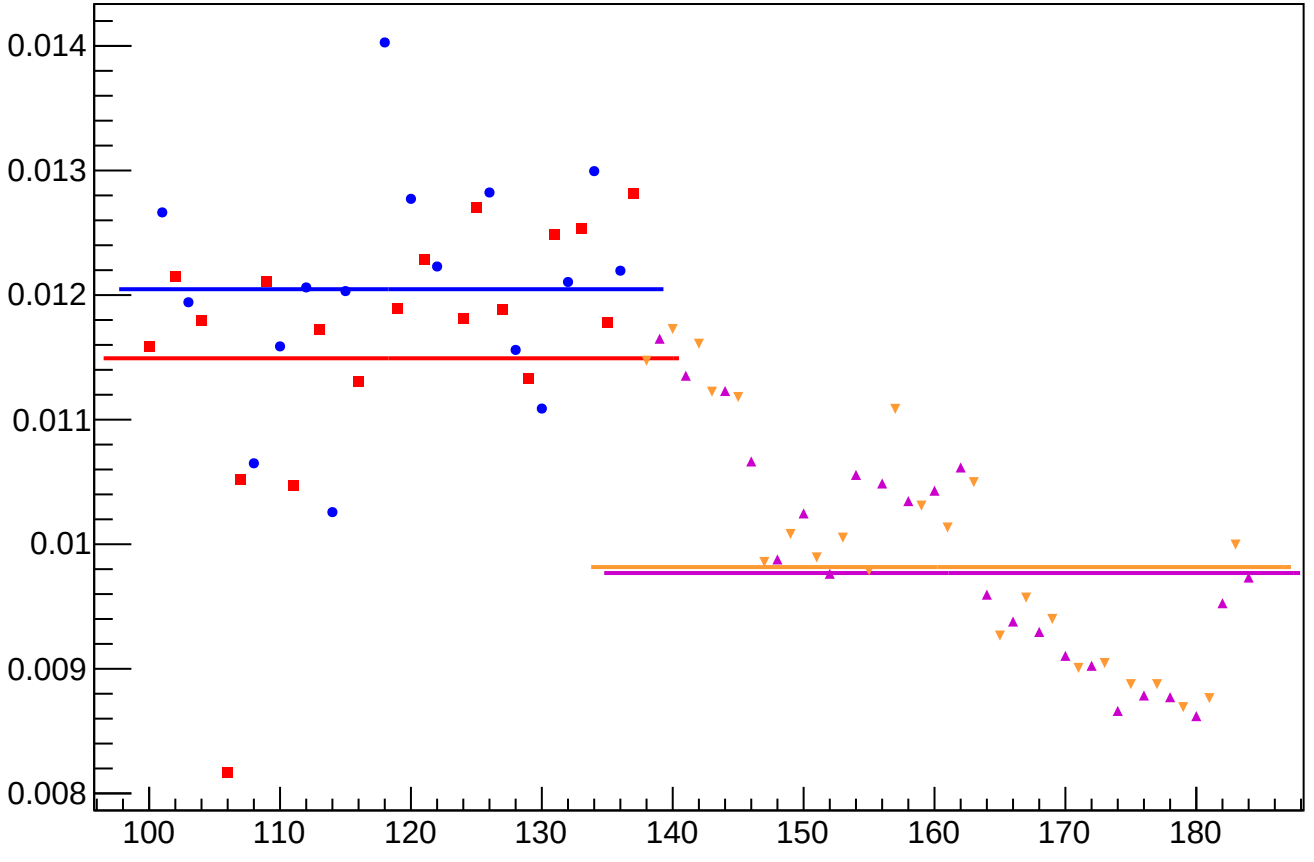
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.031+/-0.000 χ^2/NDF: 5887322130.7/39

All: -1.026+/-0.000 χ^2/NDF: 10415843172.1/

- sign -1.022+/-0.000 χ^2/NDF: 4518558531.5/41

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

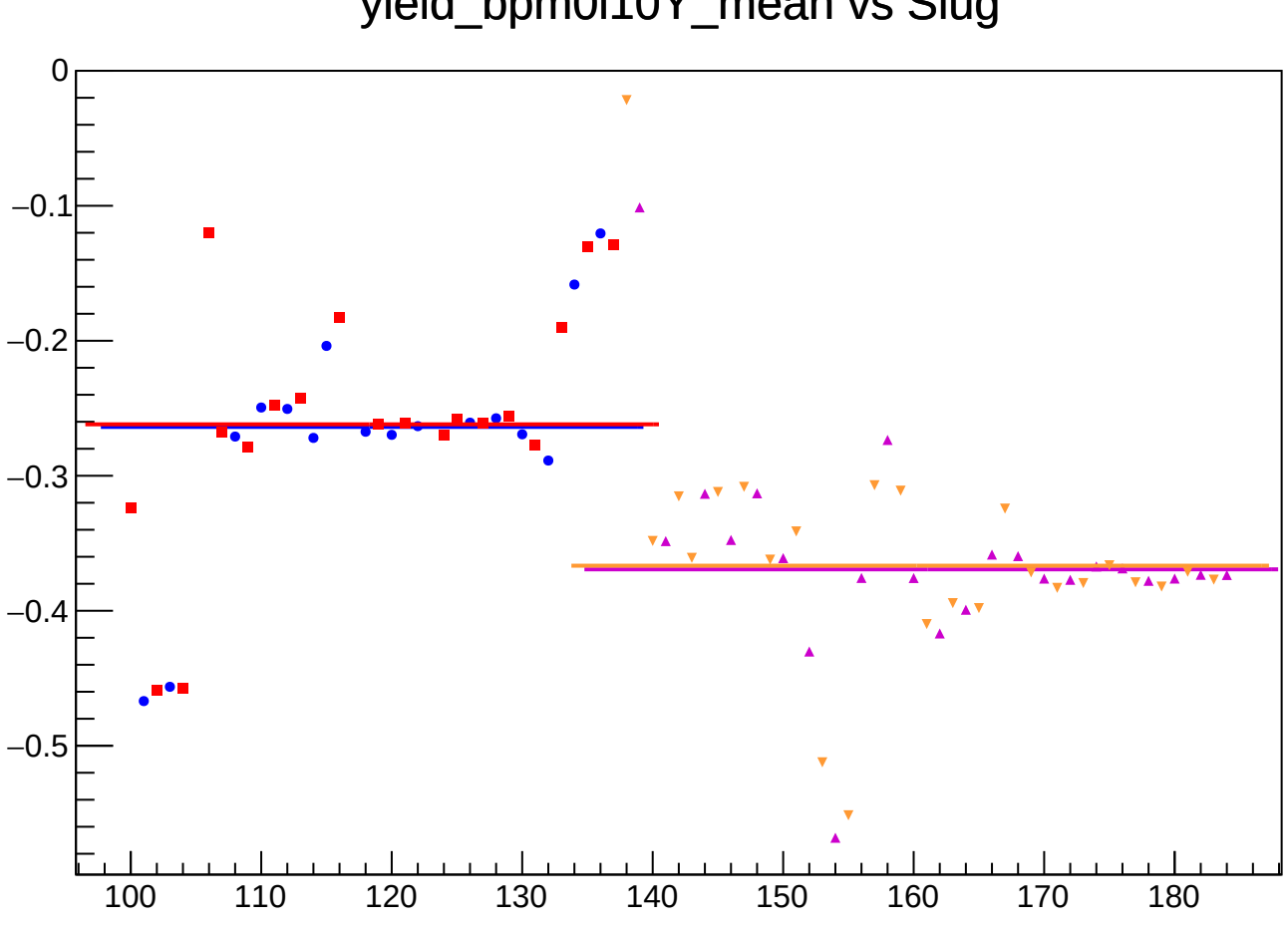
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 731956.5/39

All: 0.010+/-0.000 χ^2/NDF: 1416308.4/81

- sign 0.010+/-0.000 χ^2/NDF: 681915.4/41



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

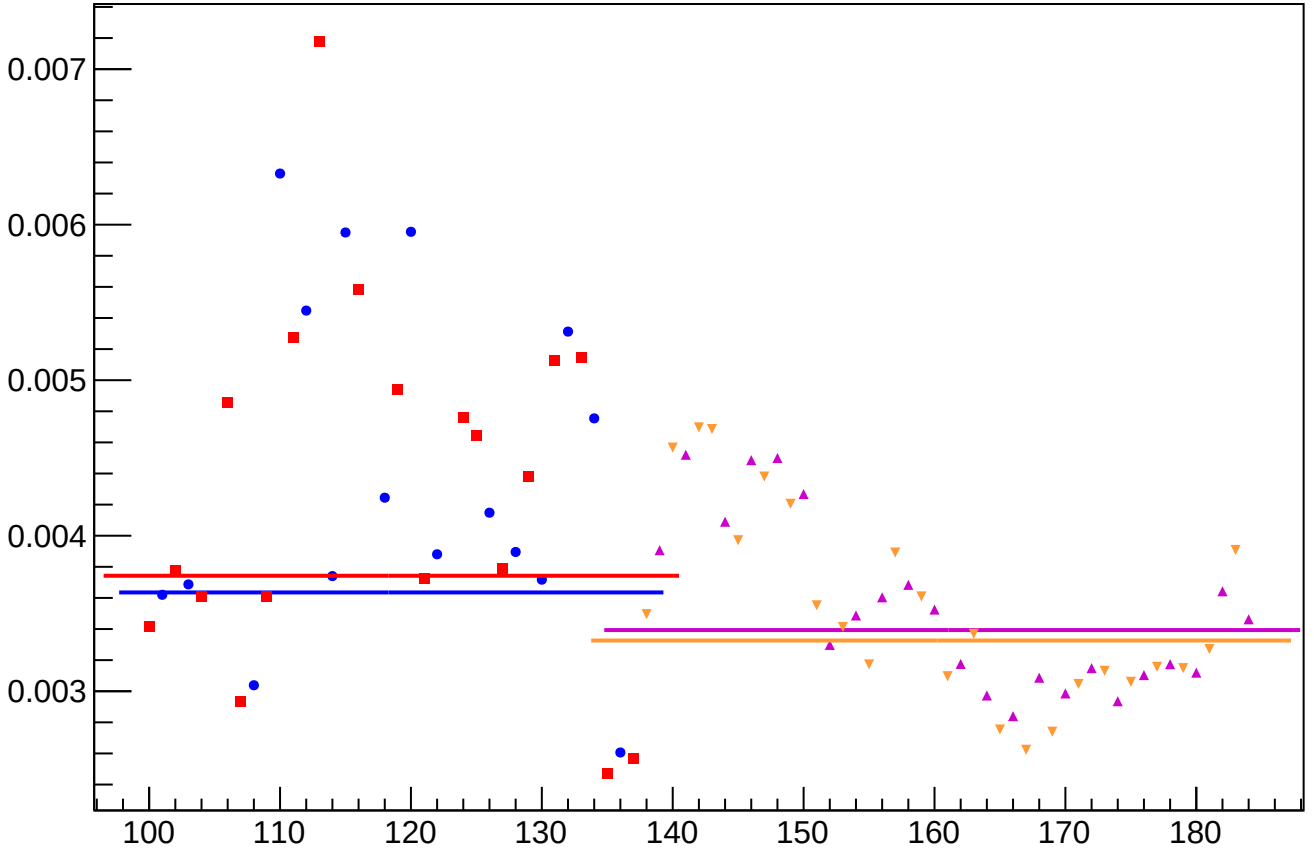
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.344+/-0.000 χ^2/NDF: 21658659825.9/39

All: -0.344+/-0.000 χ^2/NDF: 38311229502.2/

- sign -0.345+/-0.000 χ^2/NDF: 16652386217.9/41

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:843017.8/23

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

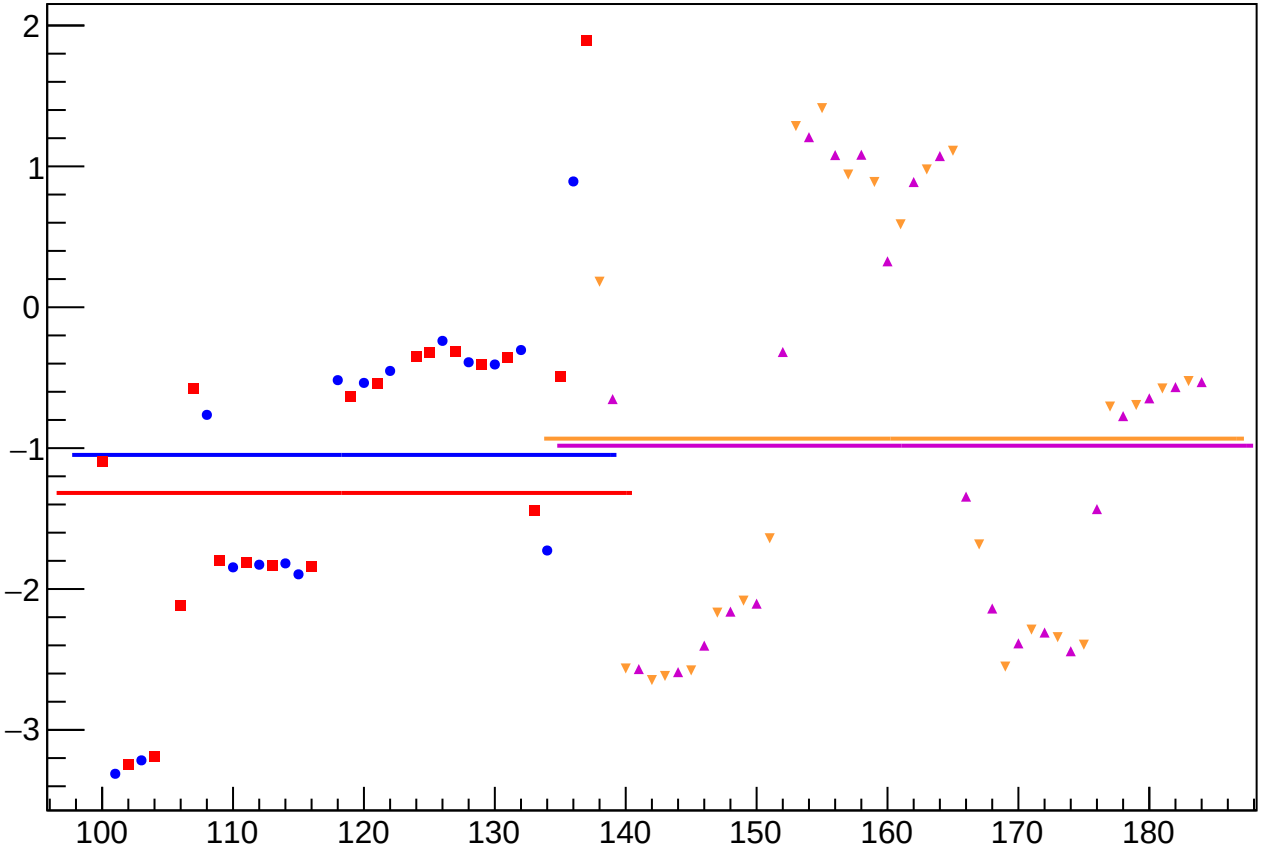
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1636810.5/39

All: 0.003+/-0.000 χ^2/NDF: 3257688.6/81

- sign 0.003+/-0.000 χ^2/NDF: 1608514.0/41

yield_bpm0r03X_mean vs Slug



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

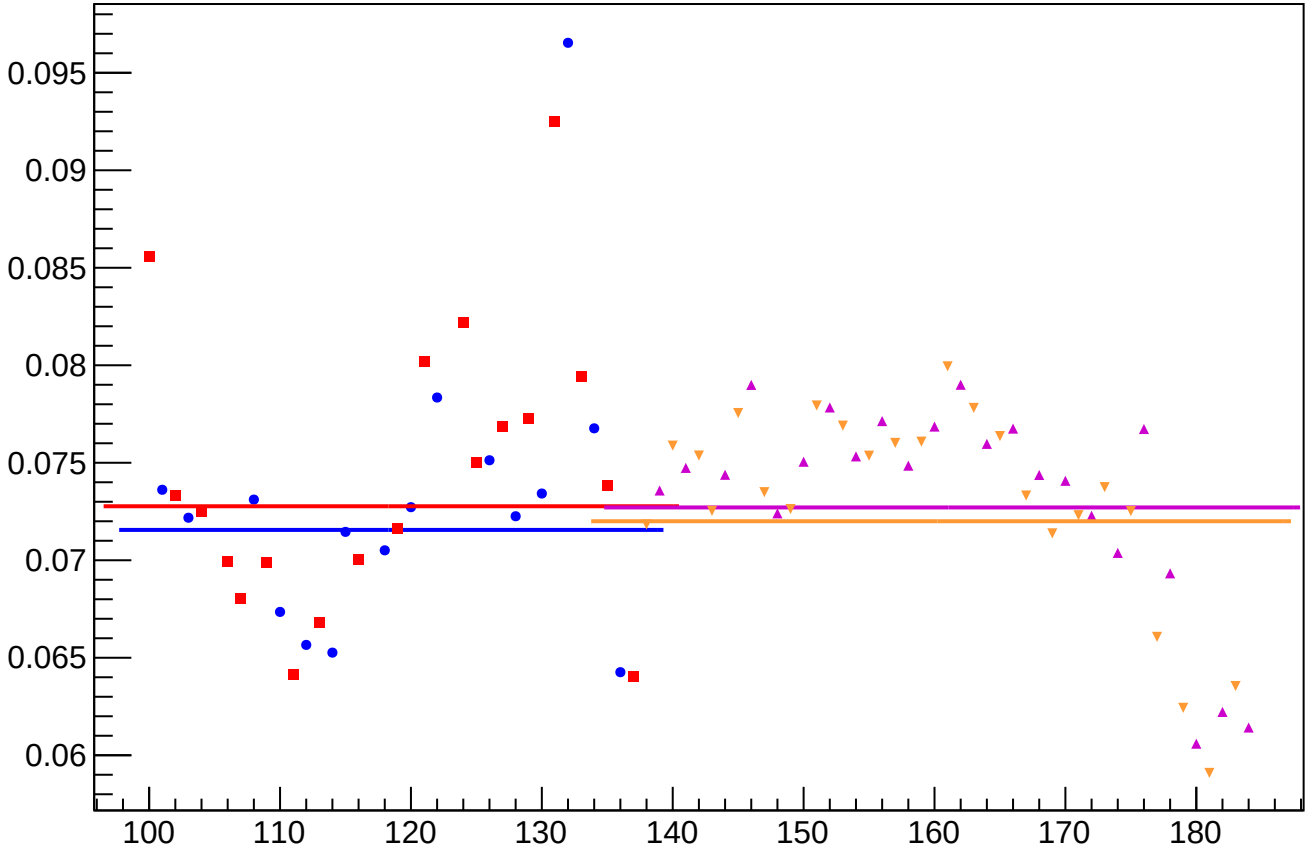
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -0.964+/-0.000 χ^2/NDF: 9601308144.9/39

All: -1.020+/-0.000 χ^2/NDF: 17510294517.2/

- sign -1.079+/-0.000 χ^2/NDF: 7876717742.3/41

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

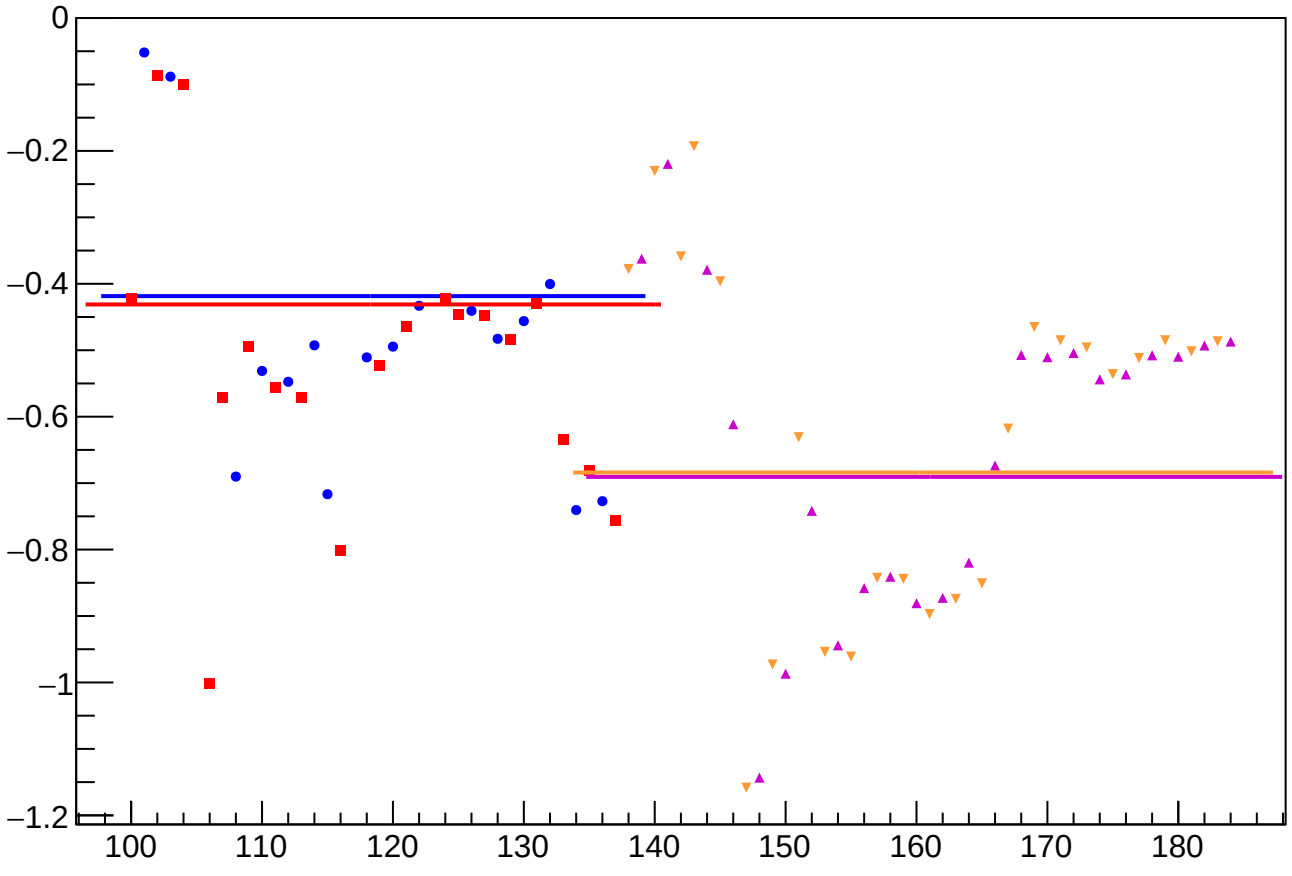
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 334863.7/39

All: 0.072+/-0.000 χ^2/NDF: 632250.2/81

- sign 0.073+/-0.000 χ^2/NDF: 293890.5/41



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

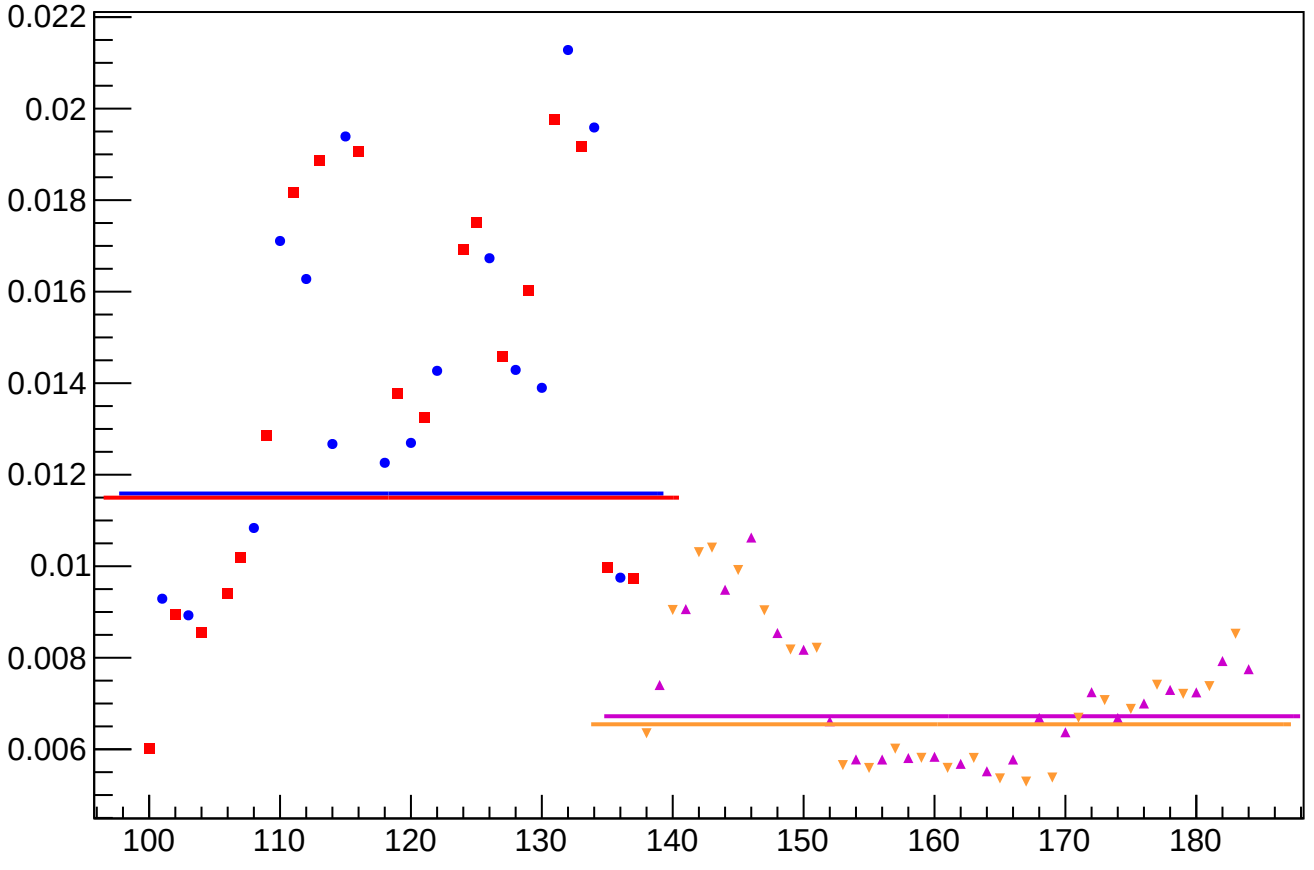
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.658+/-0.000 χ^2/NDF: 27570874202.6/39

All: -0.660+/-0.000 χ^2/NDF: 50363833119.6/

- sign -0.662+/-0.000 χ^2/NDF: 22788783789.0/41

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

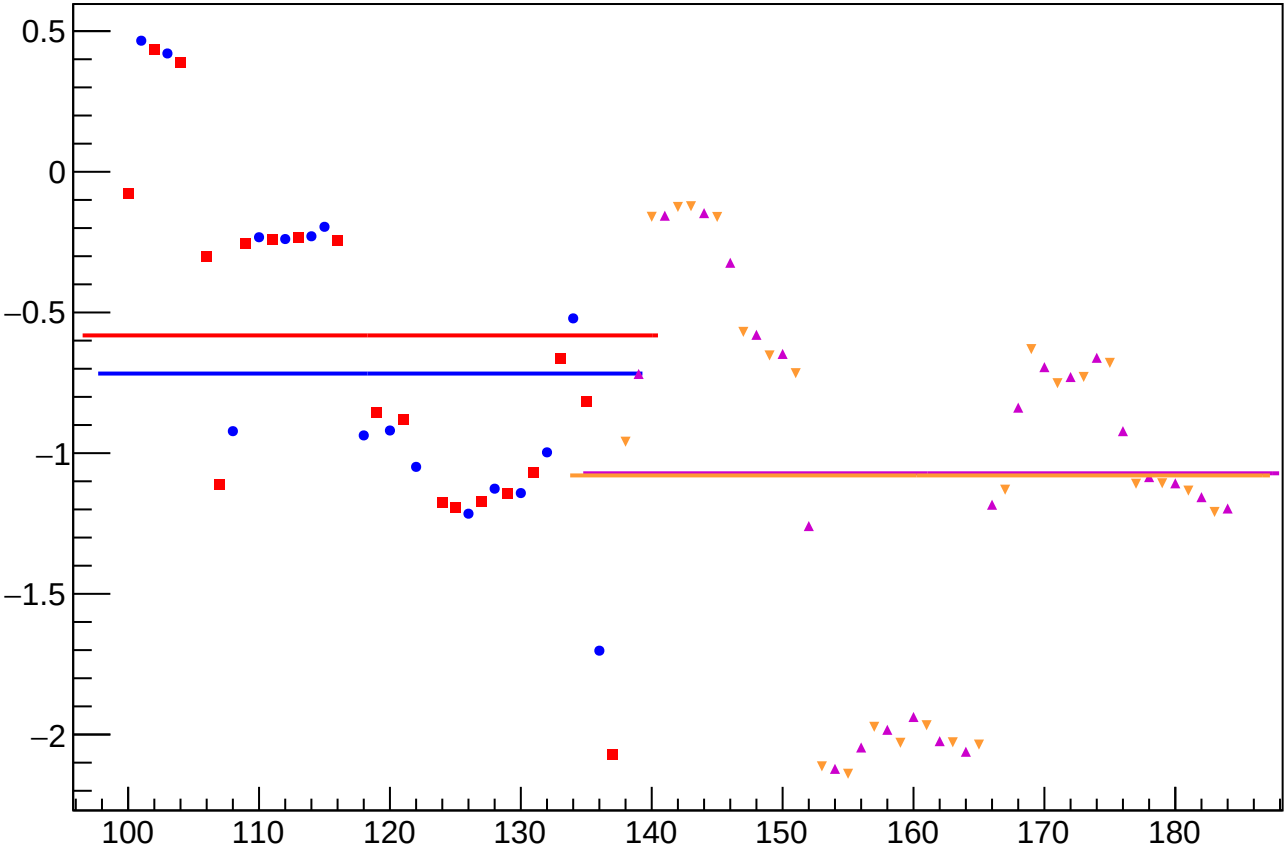
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4206786.9/39

All: 0.007+/-0.000 χ^2/NDF: 8195676.2/81

- sign 0.007+/-0.000 χ^2/NDF: 3971604.4/41

yield_bpm0r05X_mean vs Slug



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

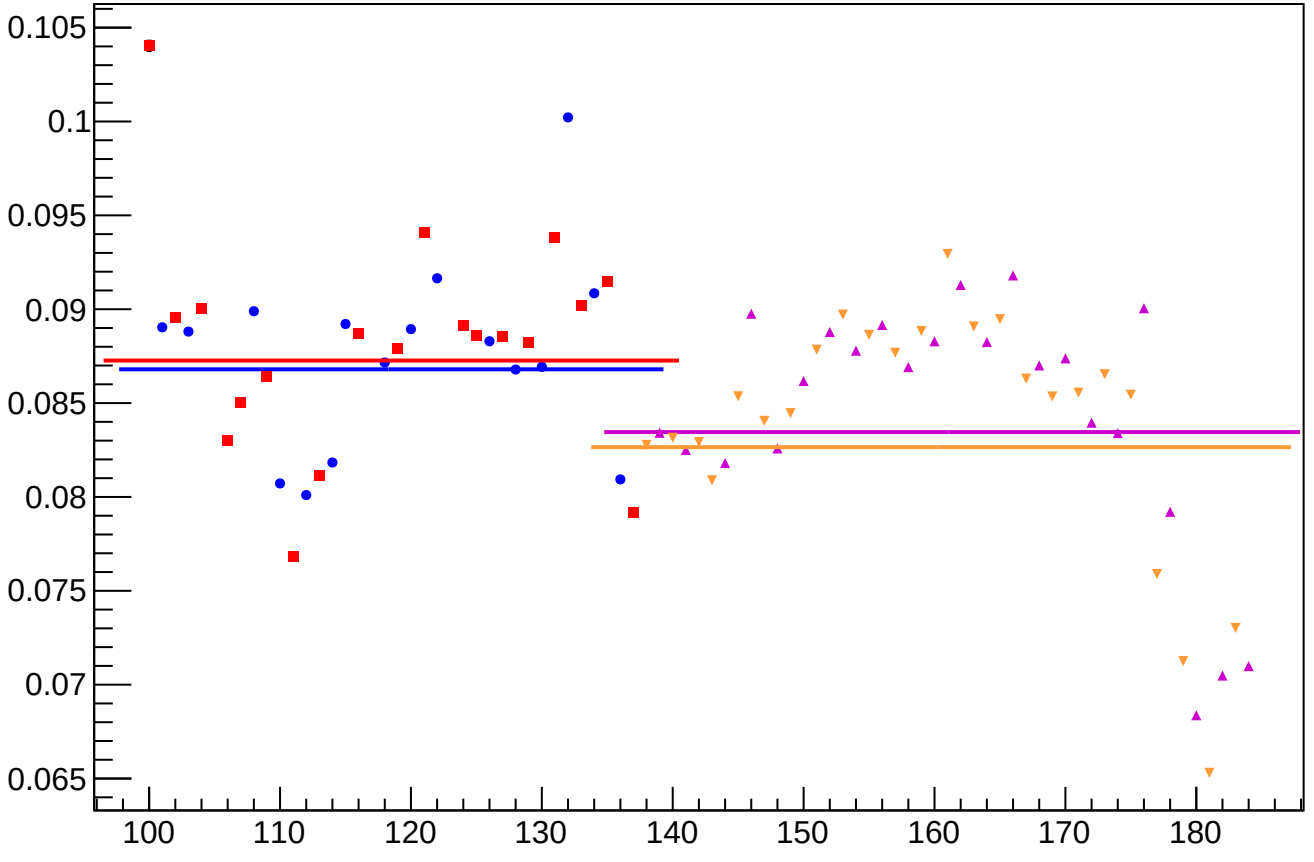
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.986+/-0.000 χ^2/NDF: 1681928862.0/39

All: -0.962+/-0.000 χ^2/NDF: 3174494317.6/8

- sign -0.938+/-0.000 χ^2/NDF: 1488227157.2/41

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

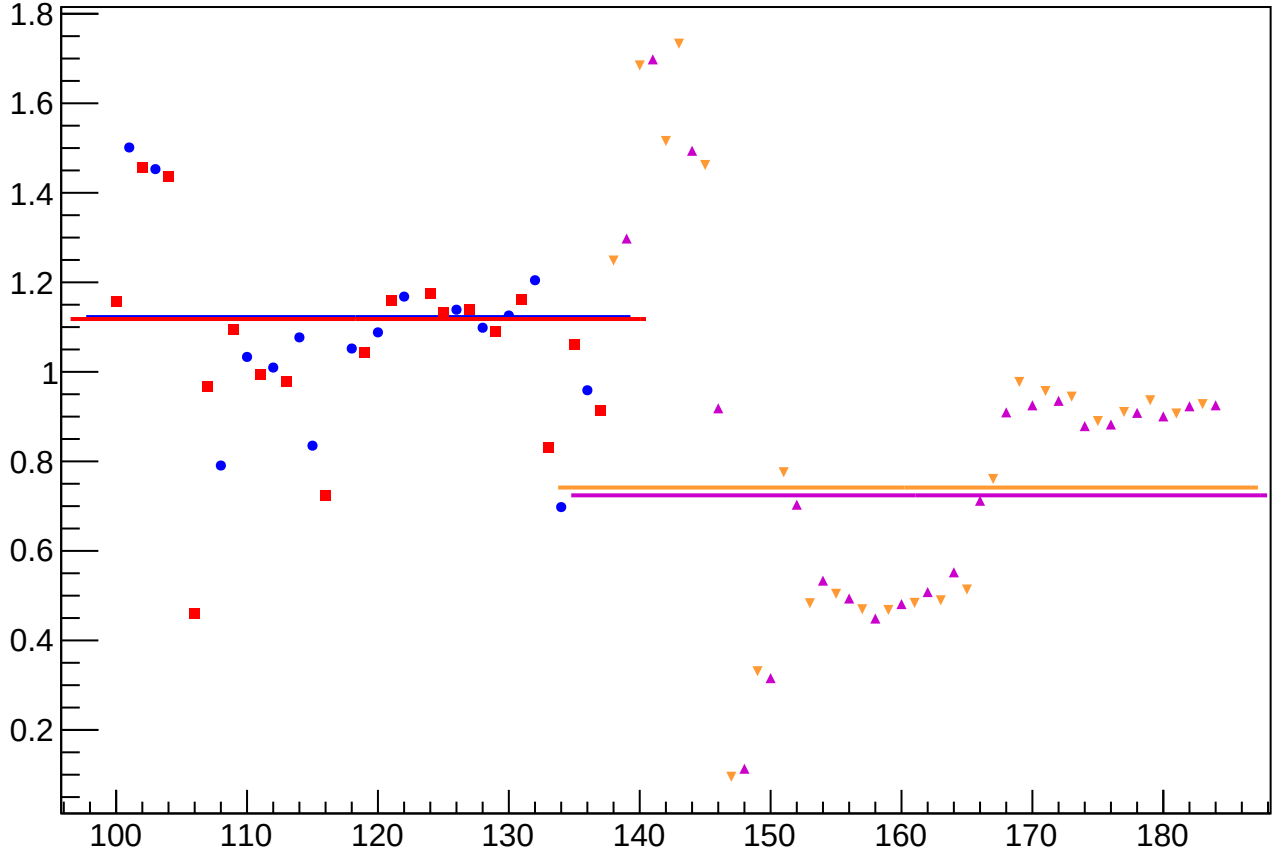
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 356442.4/39

All: 0.084+/-0.000 χ^2/NDF: 663883.6/81

- sign 0.084+/-0.000 χ^2/NDF: 305198.3/41

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

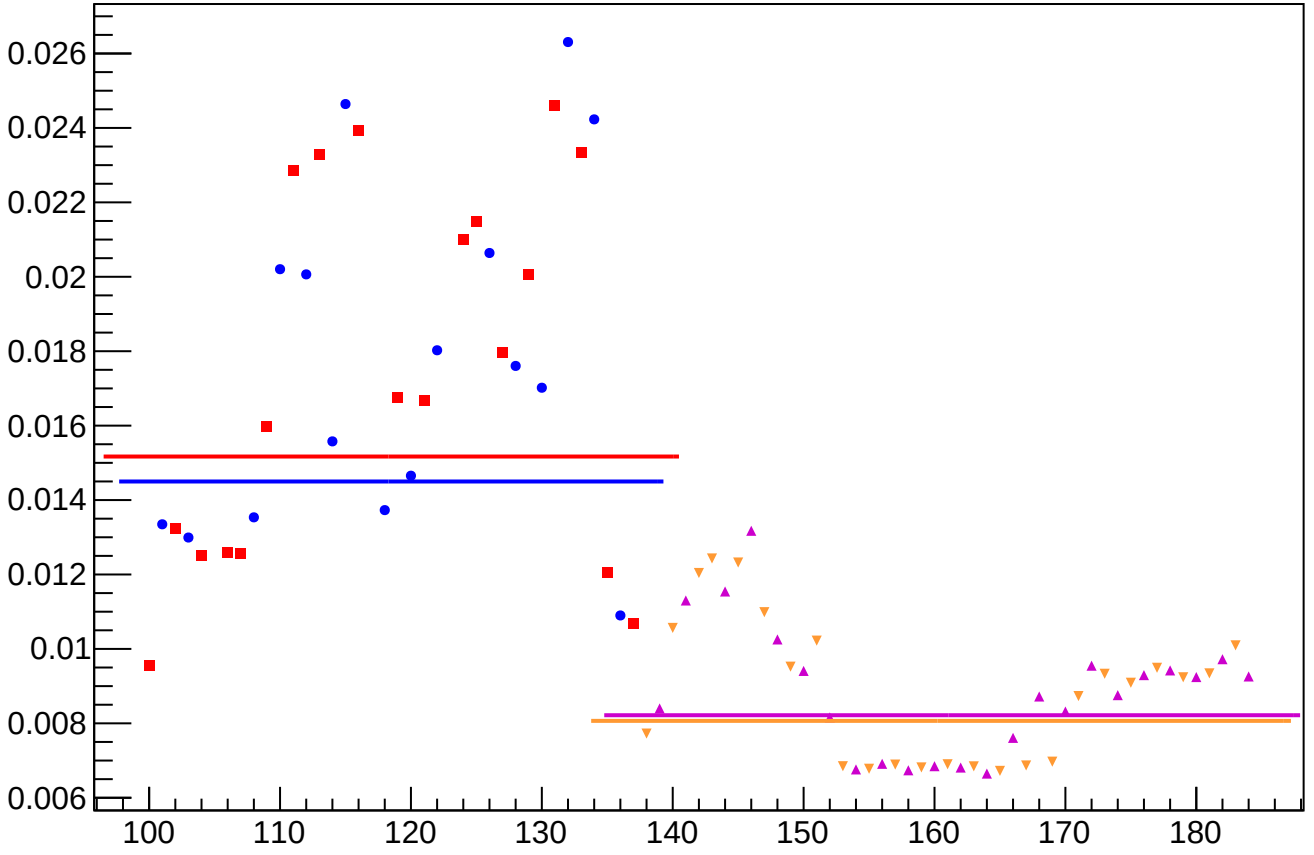
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.778+/-0.000 χ^2/NDF: 37679466510.4/39

All: 0.771+/-0.000 χ^2/NDF: 68672876665.7/8

- sign 0.762+/-0.000 χ^2/NDF: 30958949947.6/41

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

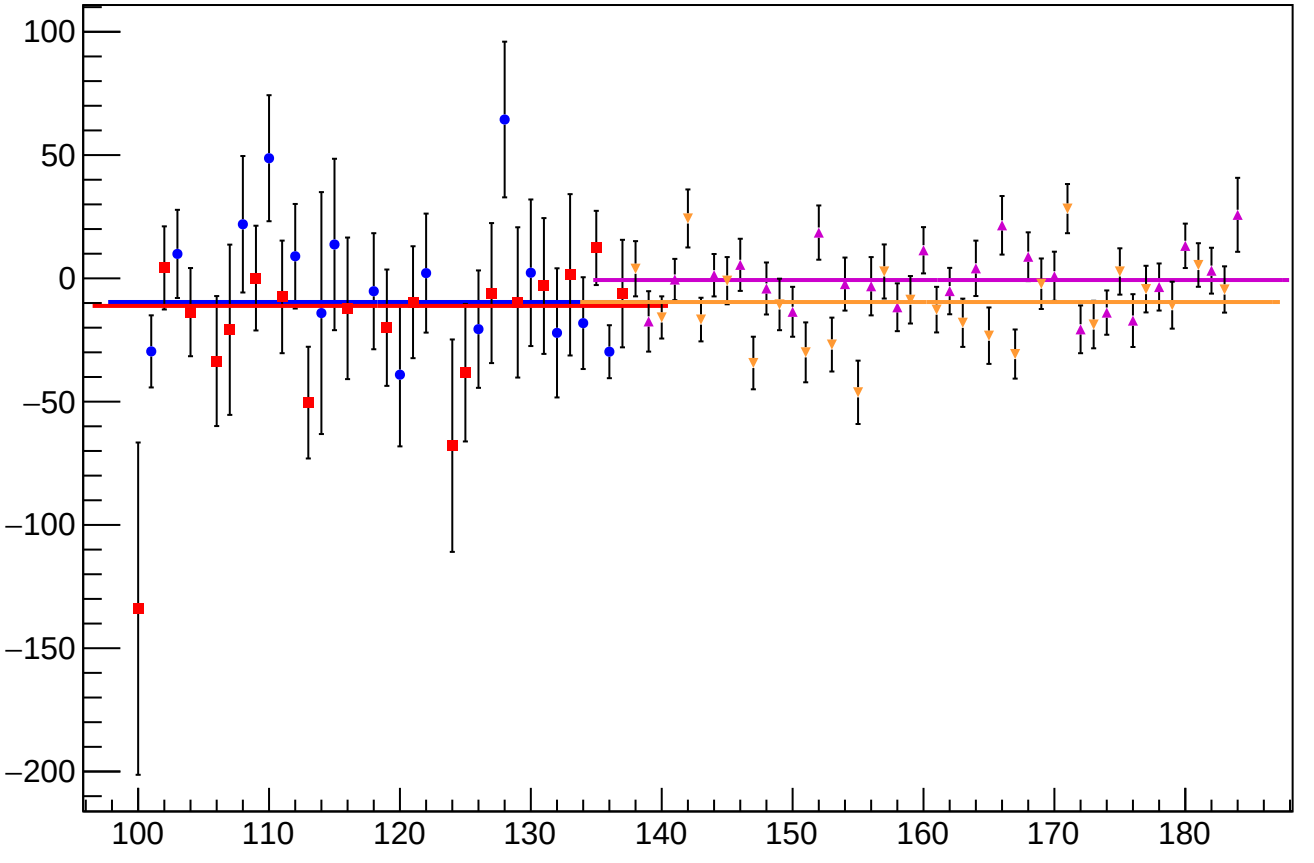
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4224526.6/39

All: 0.009+/-0.000 χ^2/NDF: 8555880.7/81

- sign 0.009+/-0.000 χ^2/NDF: 4318478.2/41

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

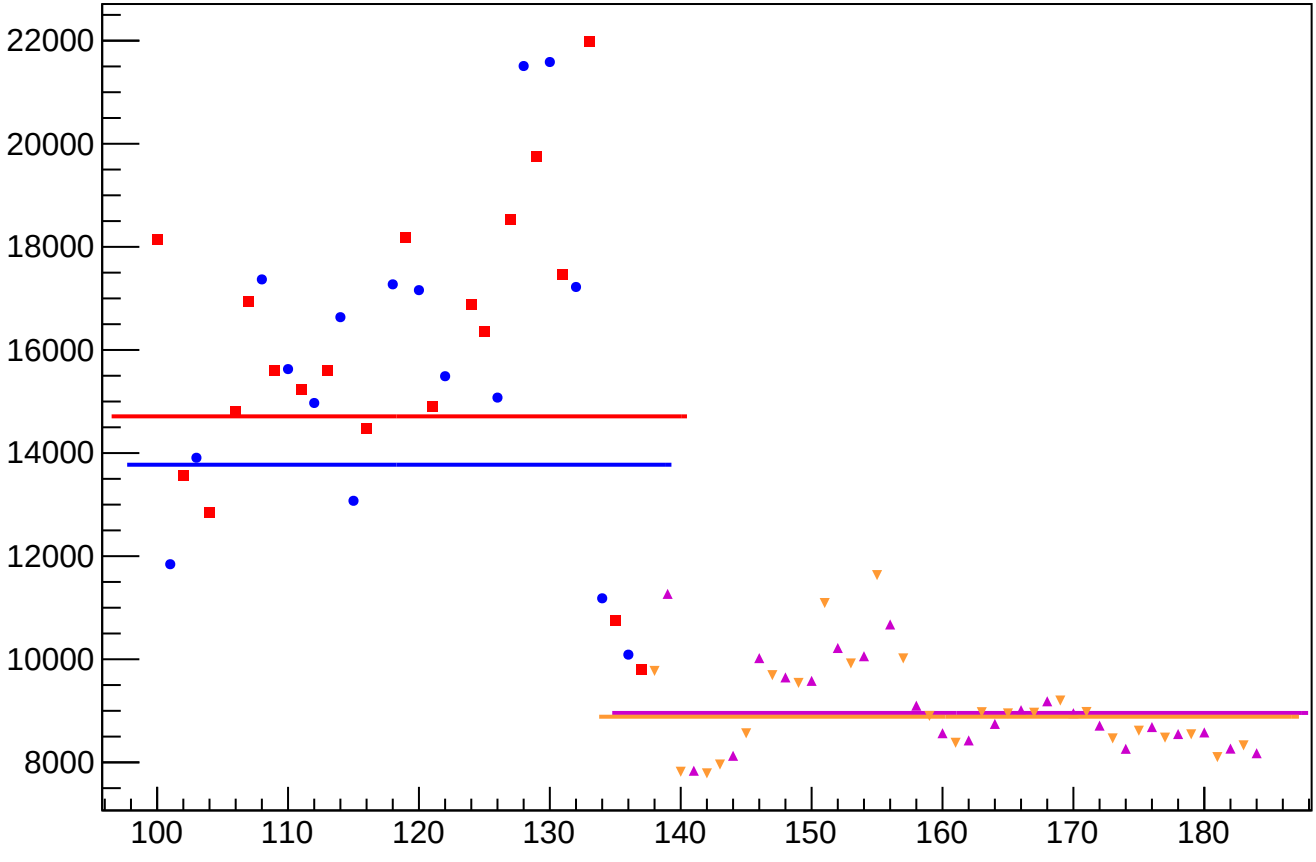
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.595+/-1.909 χ^2/NDF: 81.6/39

All: -5.917+/-1.369 χ^2/NDF: 135.8/81

- sign -2.018+/-1.965 χ^2/NDF: 46.5/41

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8885.547+/-1.447 χ^2/NDF:343961.4/23

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

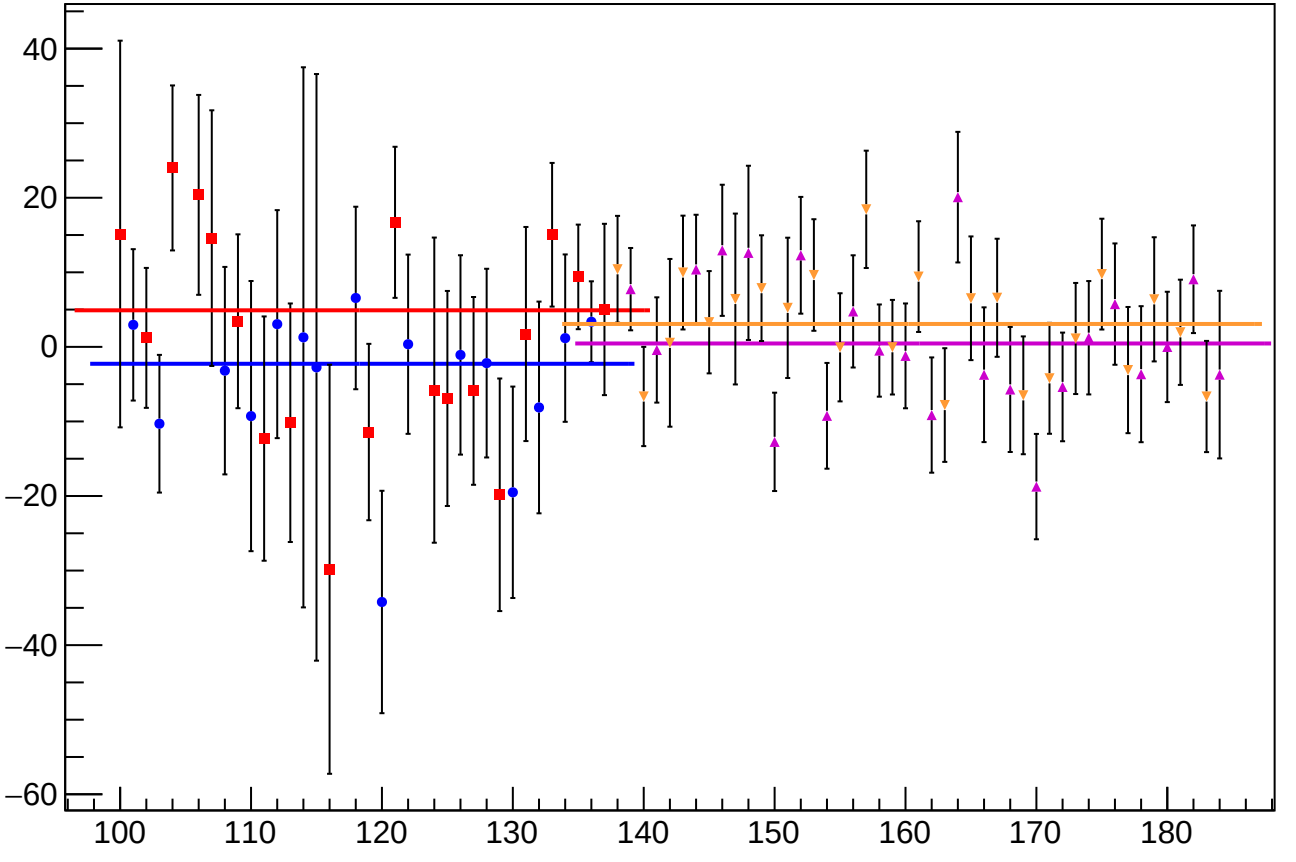
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9521.859+/-1.350 χ^2/NDF: 2576674.2/39

All: 9605.394+/-0.968 χ^2/NDF: 5354510.0/81

- sign 9693.930+/-1.390 χ^2/NDF: 2769945.9/41

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

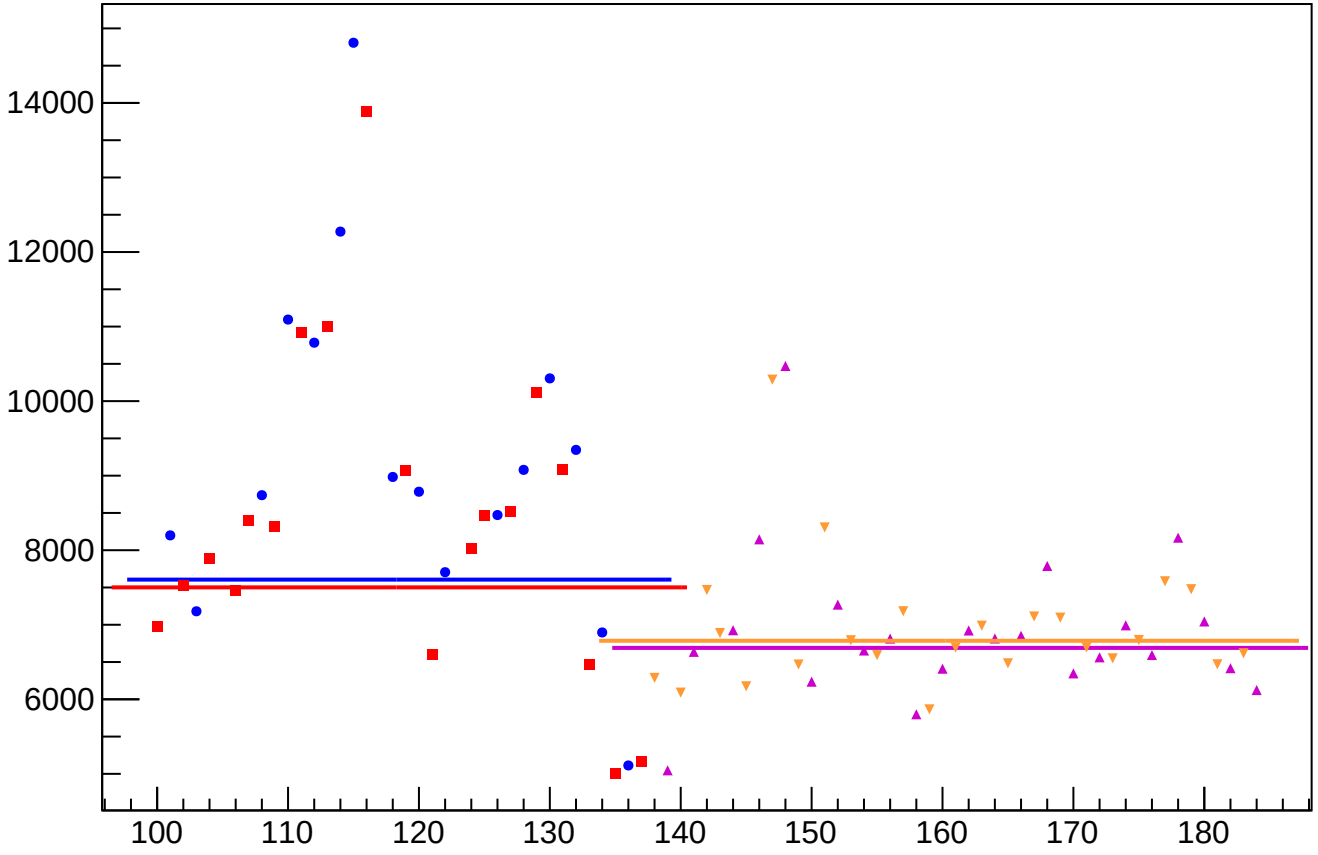
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.881+/-1.380 χ^2/NDF: 30.4/39

All: 1.696+/-0.976 χ^2/NDF: 82.7/81

- sign 1.511+/-1.381 χ^2/NDF: 52.2/41

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

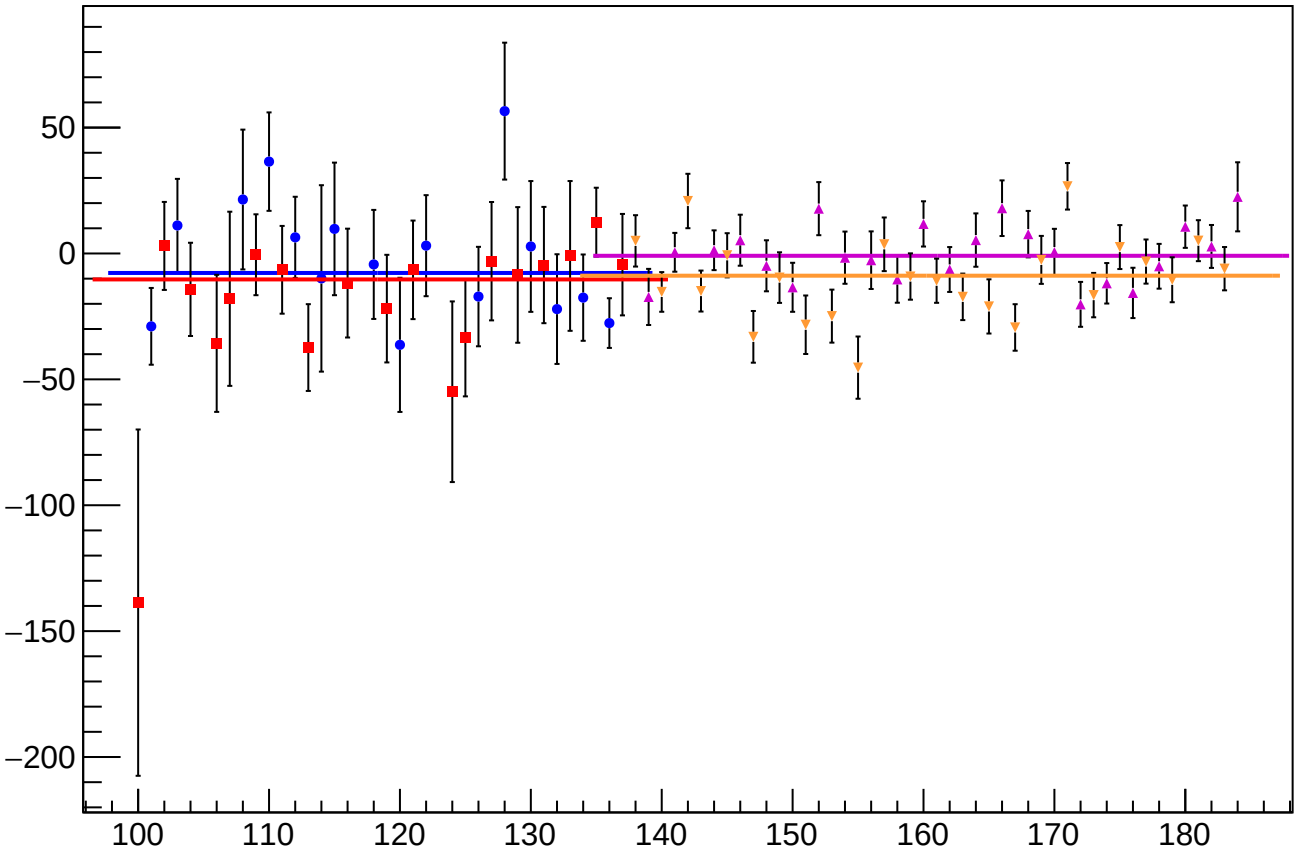
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6968.237+/-0.976 χ^2/NDF: 1410639.1/39

All: 6925.218+/-0.690 χ^2/NDF: 2983422.6/81

- sign 6882.154+/-0.977 χ^2/NDF: 1568897.1/41



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

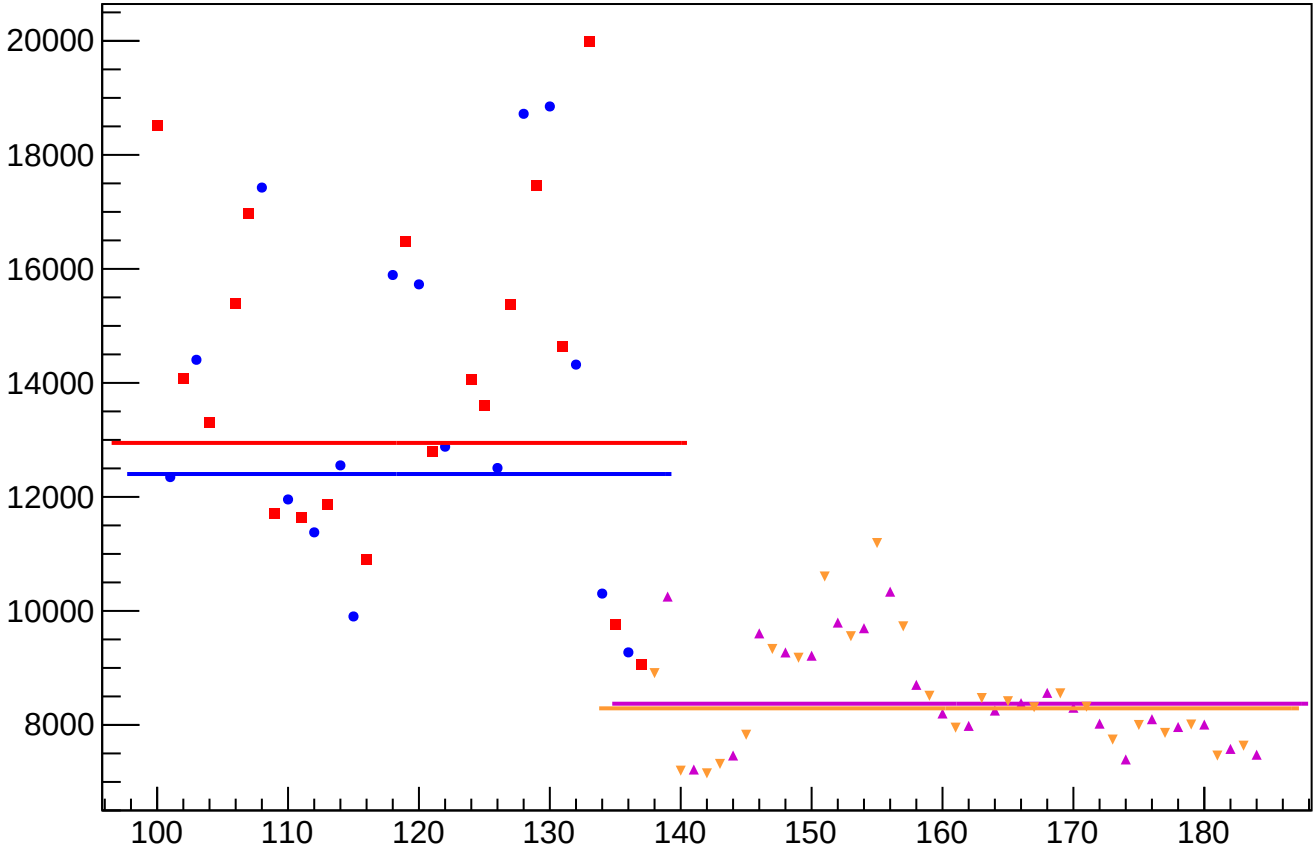
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

\+ sign -8.673+/-1.774 χ^2/NDF: 83.3/39

All: -5.552+/-1.272 χ^2/NDF: 135.9/81

\- sign -2.253+/-1.824 χ^2/NDF: 46.2/41

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8291.112+/-1.352 χ^2/NDF:449241.6/23

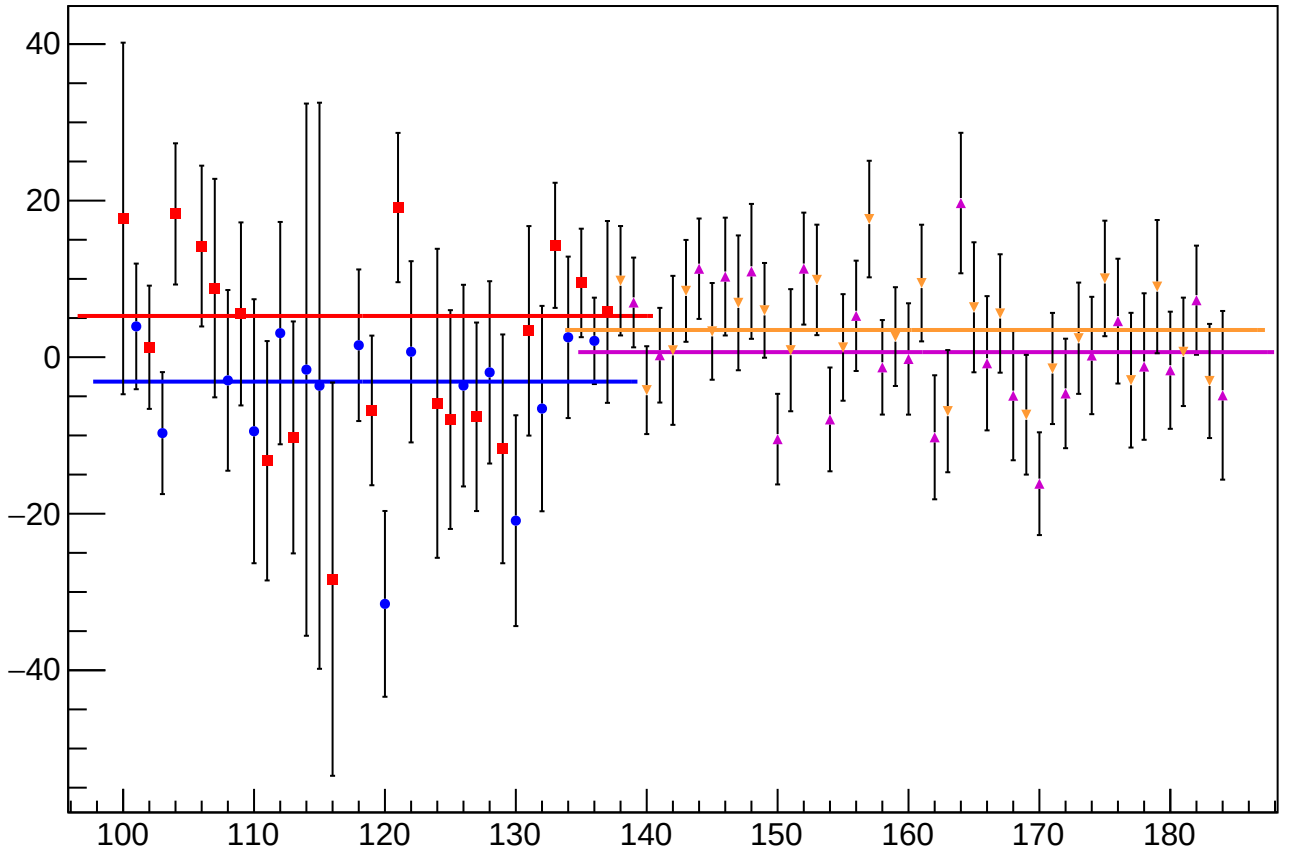
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 8864.969+/-1.254 χ^2/NDF: 2417287.8/39

All: 8941.321+/-0.899 χ^2/NDF: 4906317.1/81

- sign 9022.010+/-1.290 χ^2/NDF: 2481409.8/41



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

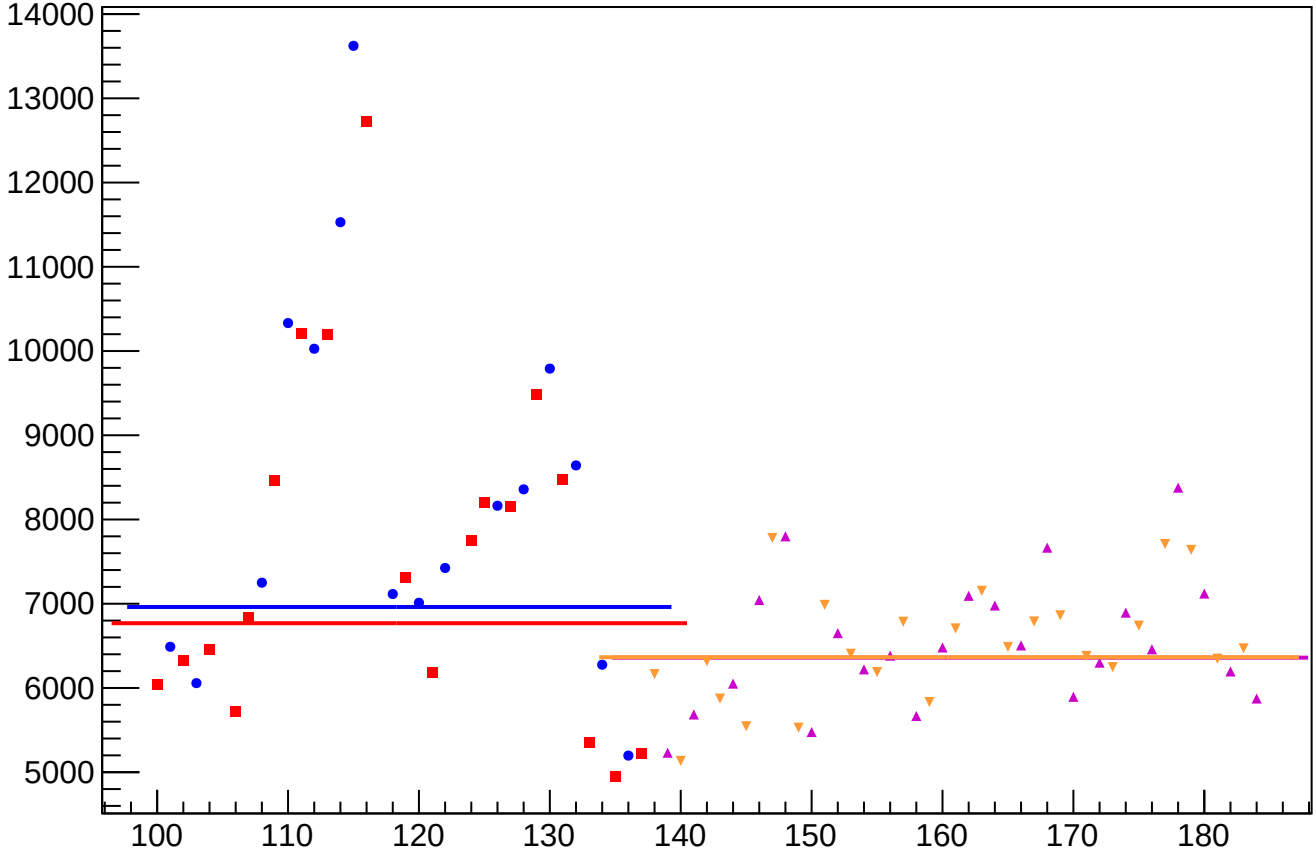
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.929+/-1.285 χ^2/NDF: 31.8/39

All: 1.880+/-0.911 χ^2/NDF: 81.9/81

- sign 1.830+/-1.293 χ^2/NDF: 50.1/41

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

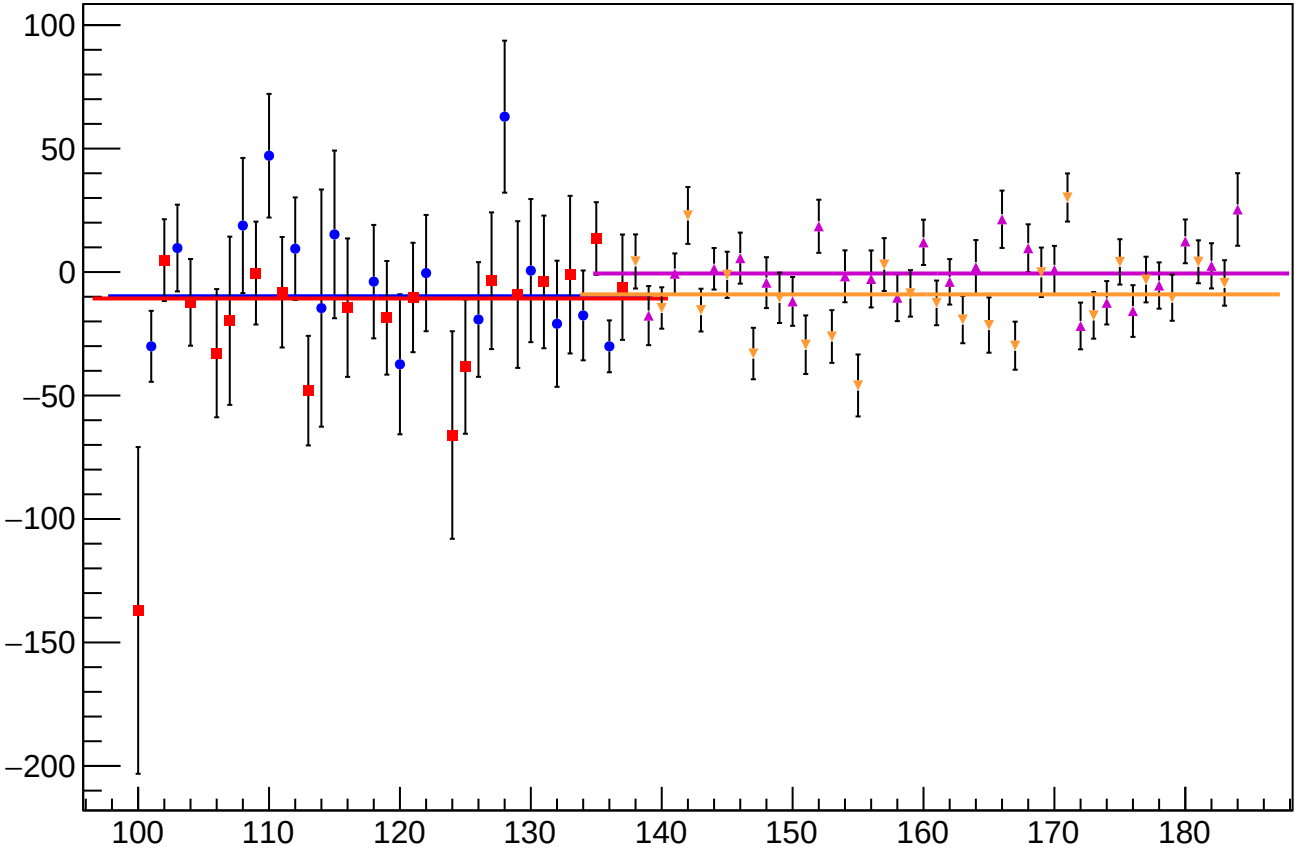
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6504.732+/-0.909 χ^2/NDF: 1184651.7/39

All: 6484.885+/-0.645 χ^2/NDF: 2495774.3/81

- sign 6464.805+/-0.914 χ^2/NDF: 1310163.2/41

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

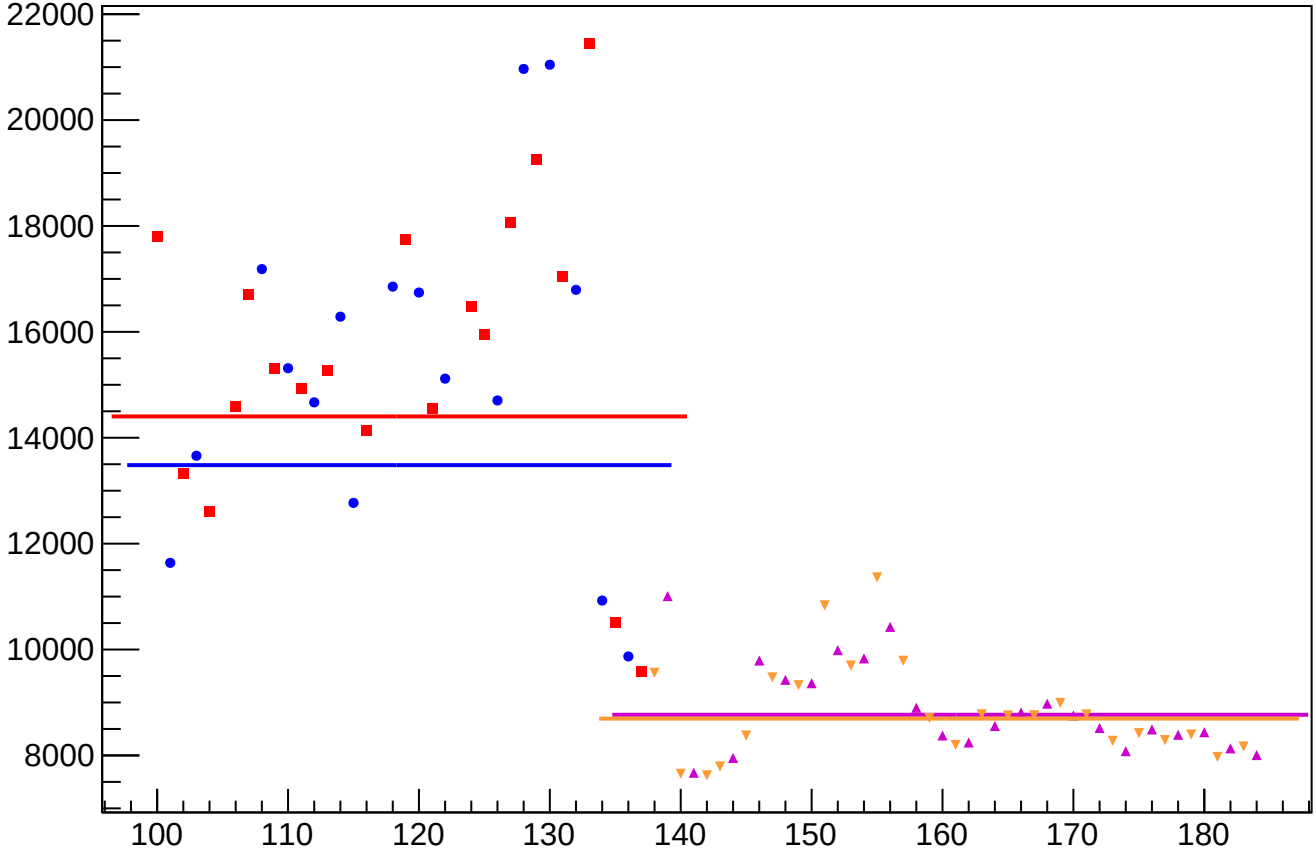
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.140+/-1.868 χ^2/NDF: 83.6/39

All: -5.612+/-1.340 χ^2/NDF: 137.9/81

- sign -1.872+/-1.923 χ^2/NDF: 47.0/41

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

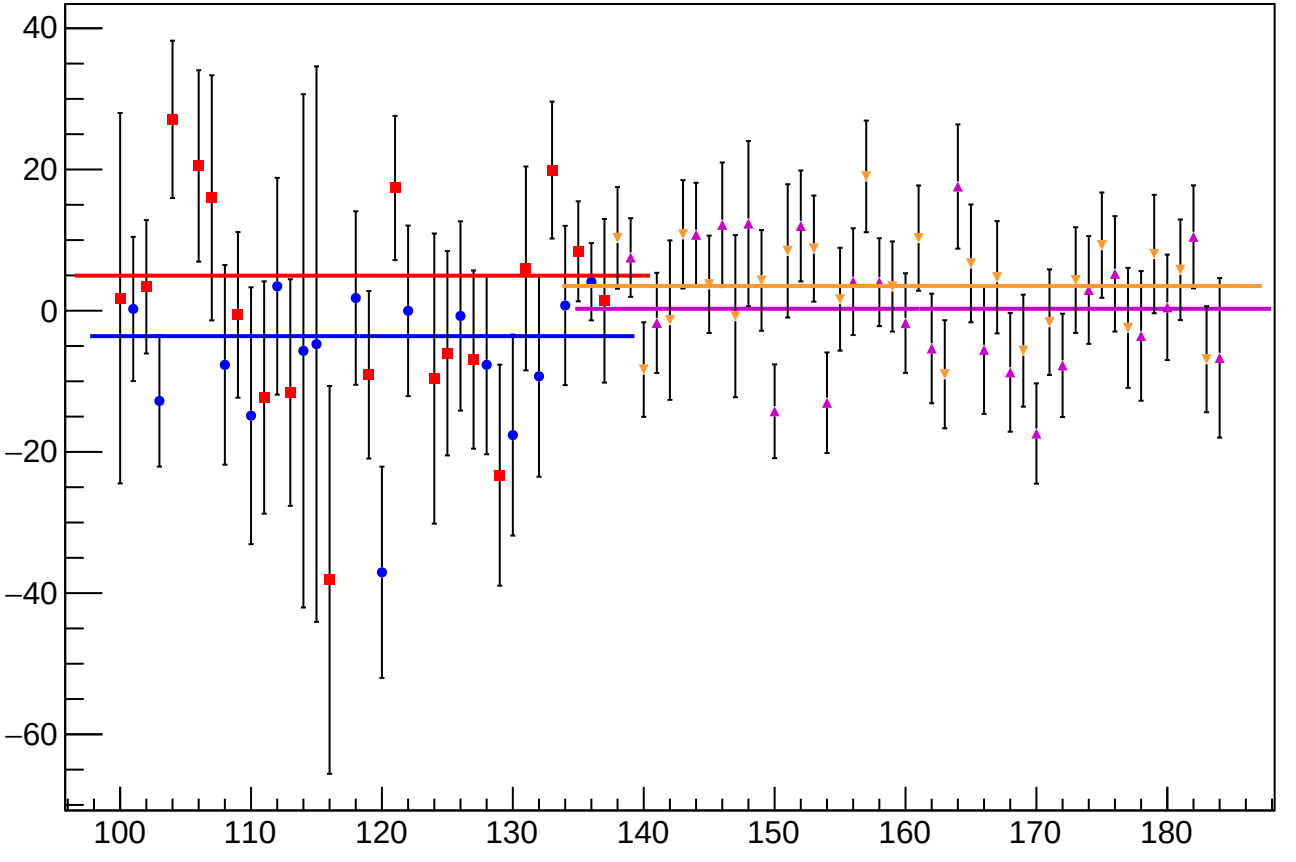
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9318.552+/-1.321 χ^2/NDF: 2568488.4/39

All: 9400.587+/-0.947 χ^2/NDF: 5337779.1/81

- sign 9487.546+/-1.360 χ^2/NDF: 2761343.5/41

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

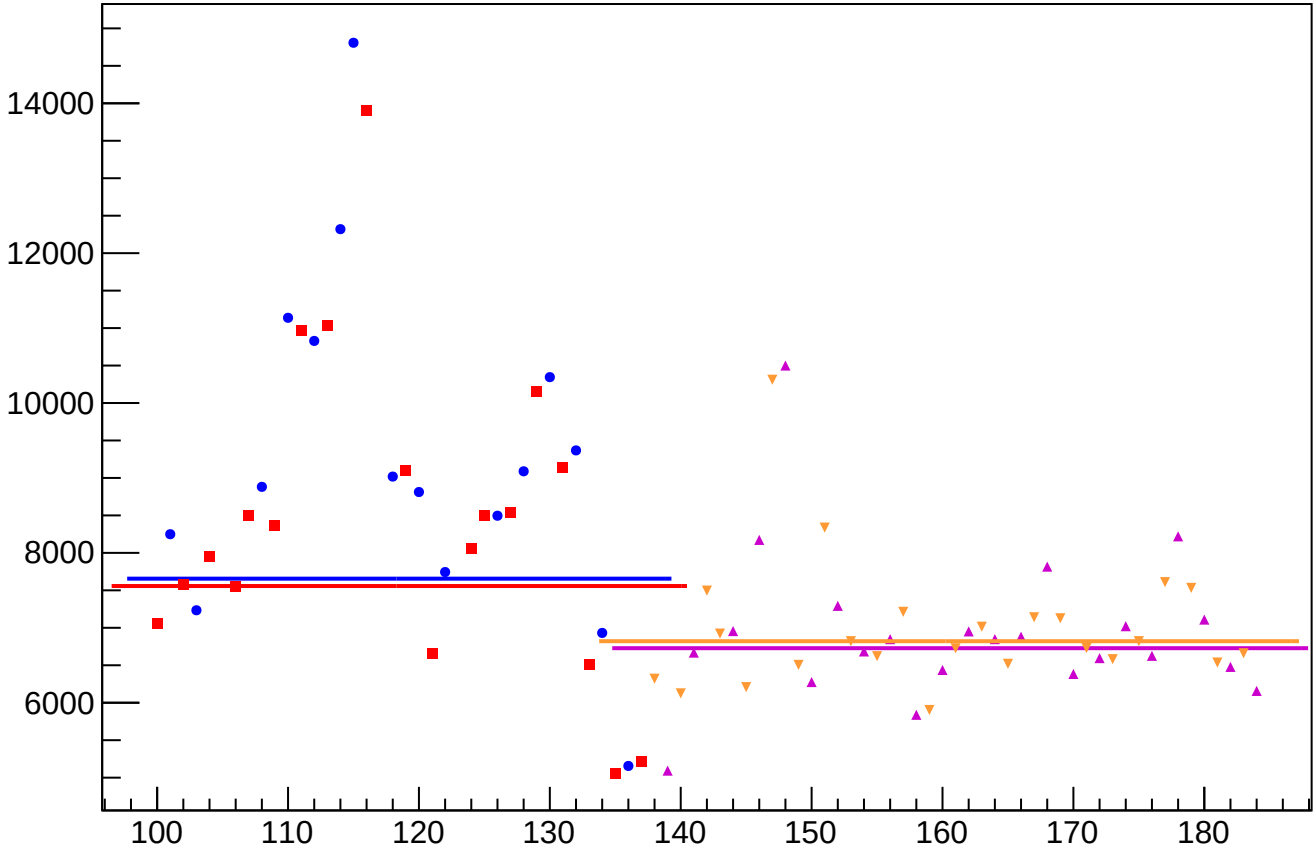
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.920+/-1.388 χ^2/NDF: 33.9/39

All: 1.651+/-0.982 χ^2/NDF: 91.6/81

- sign 1.381+/-1.389 χ^2/NDF: 57.7/41

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

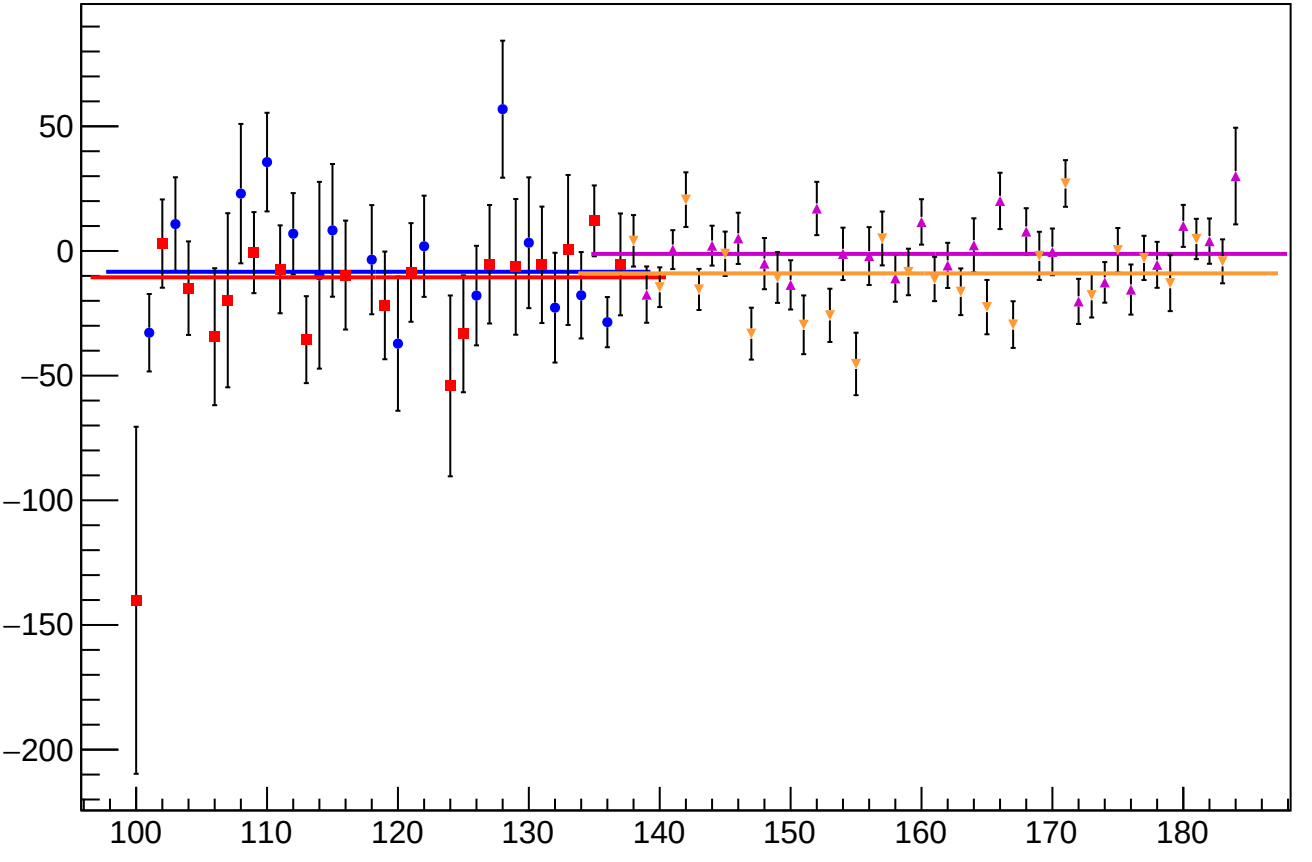
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 7007.177+/-0.981 χ^2/NDF: 1396275.1/39

All: 6965.757+/-0.694 χ^2/NDF: 2948606.3/81

- sign 6924.255+/-0.982 χ^2/NDF: 1548765.2/41

diff_bpm4ecX_mean vs Slug



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

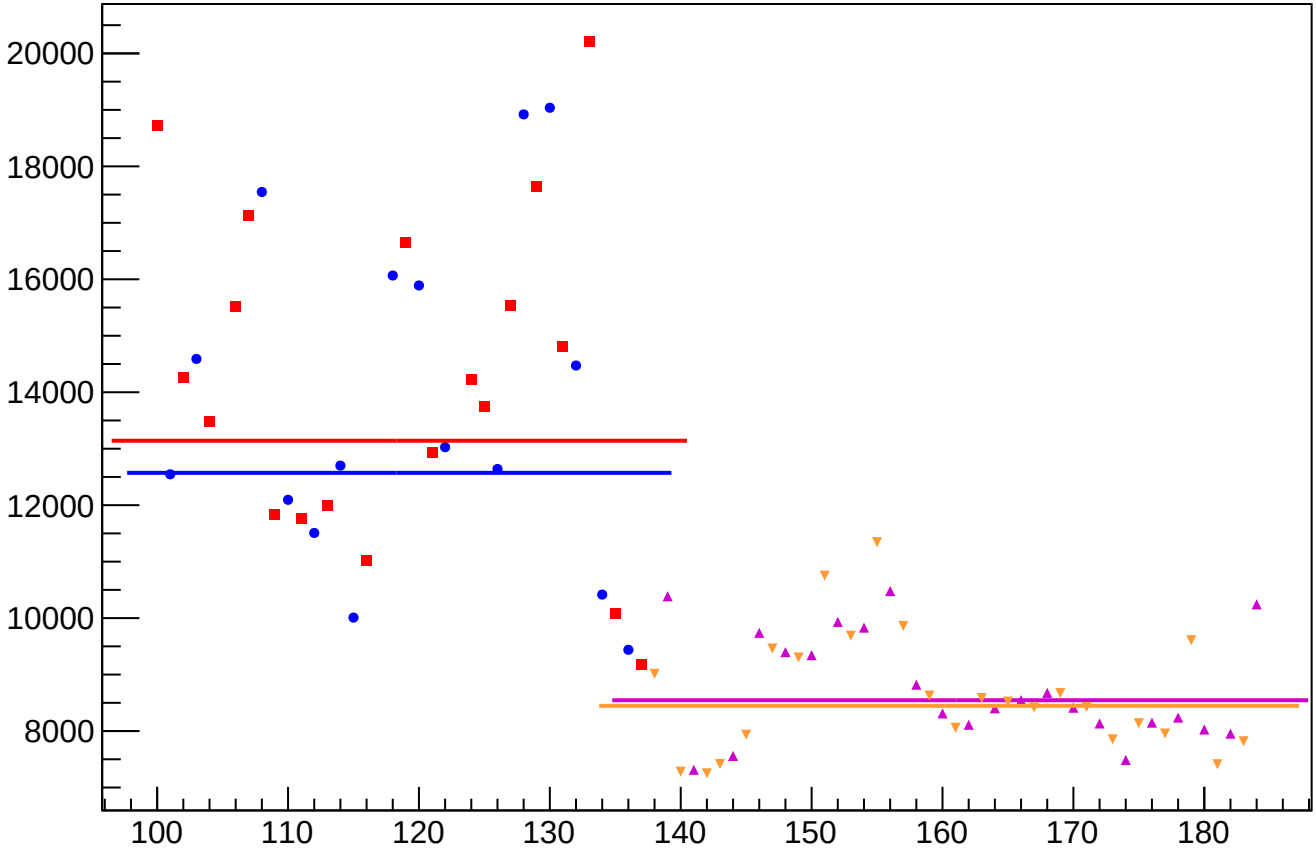
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

\+ sign -8.894+/-1.810 χ^2/NDF: 83.4/39

All: -5.800+/-1.298 χ^2/NDF: 134.0/81

\- sign -2.525+/-1.862 χ^2/NDF: 44.6/41

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

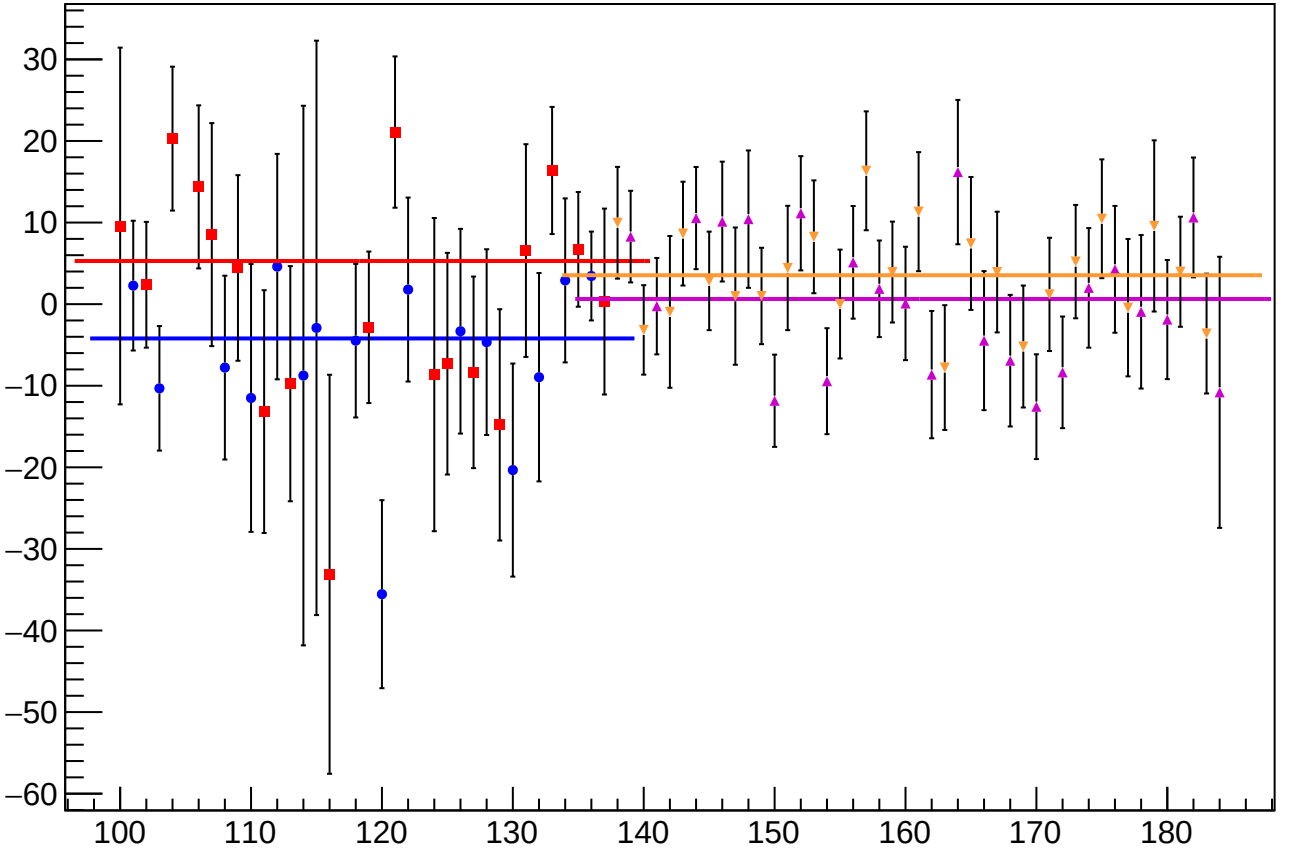
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9030.043+/-1.280 χ^2/NDF: 2403122.7/39

All: 9115.650+/-0.918 χ^2/NDF: 4836487.5/81

- sign 9206.280+/-1.317 χ^2/NDF: 2424151.9/41

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

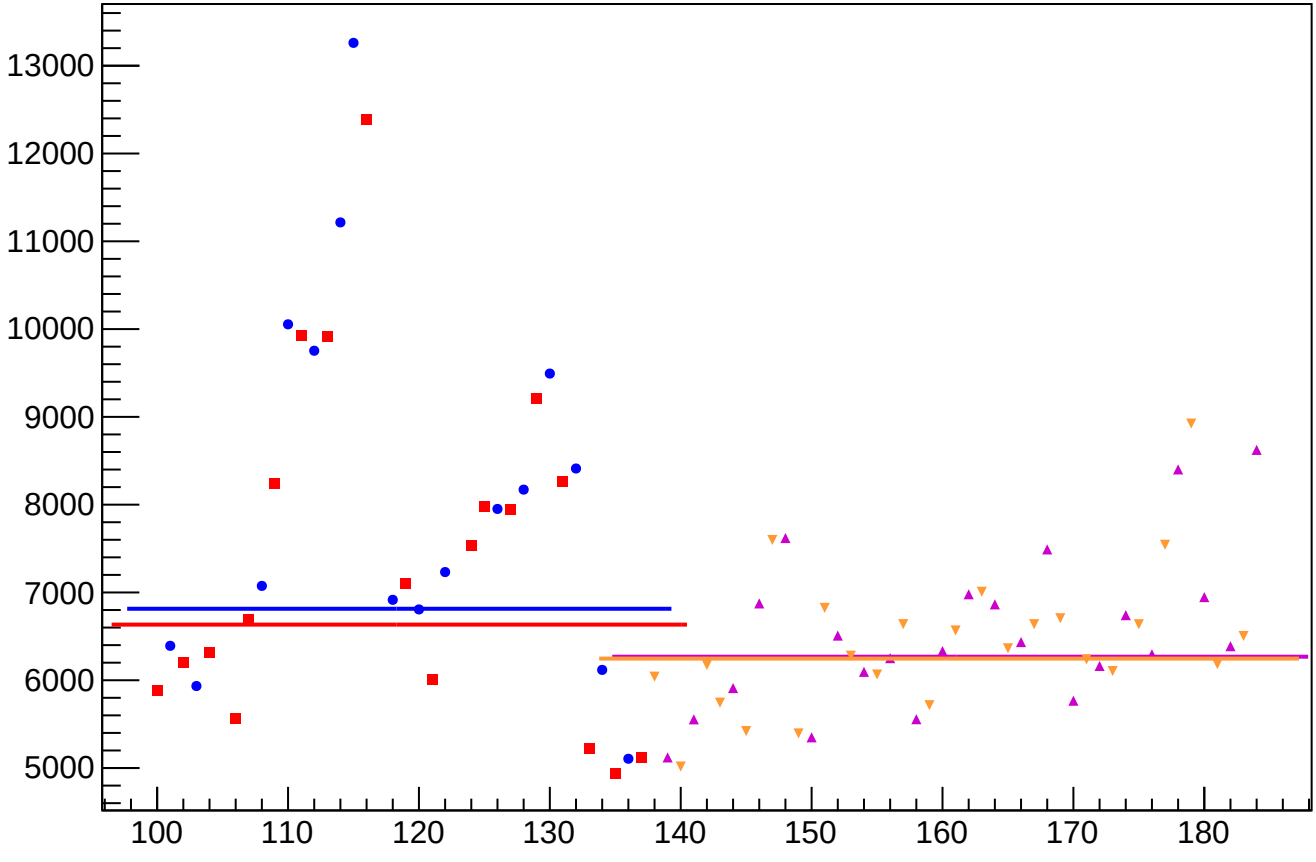
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.713+/-1.264 χ^2/NDF: 35.5/39

All: 1.777+/-0.898 χ^2/NDF: 89.7/81

- sign 1.842+/-1.275 χ^2/NDF: 54.1/41

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

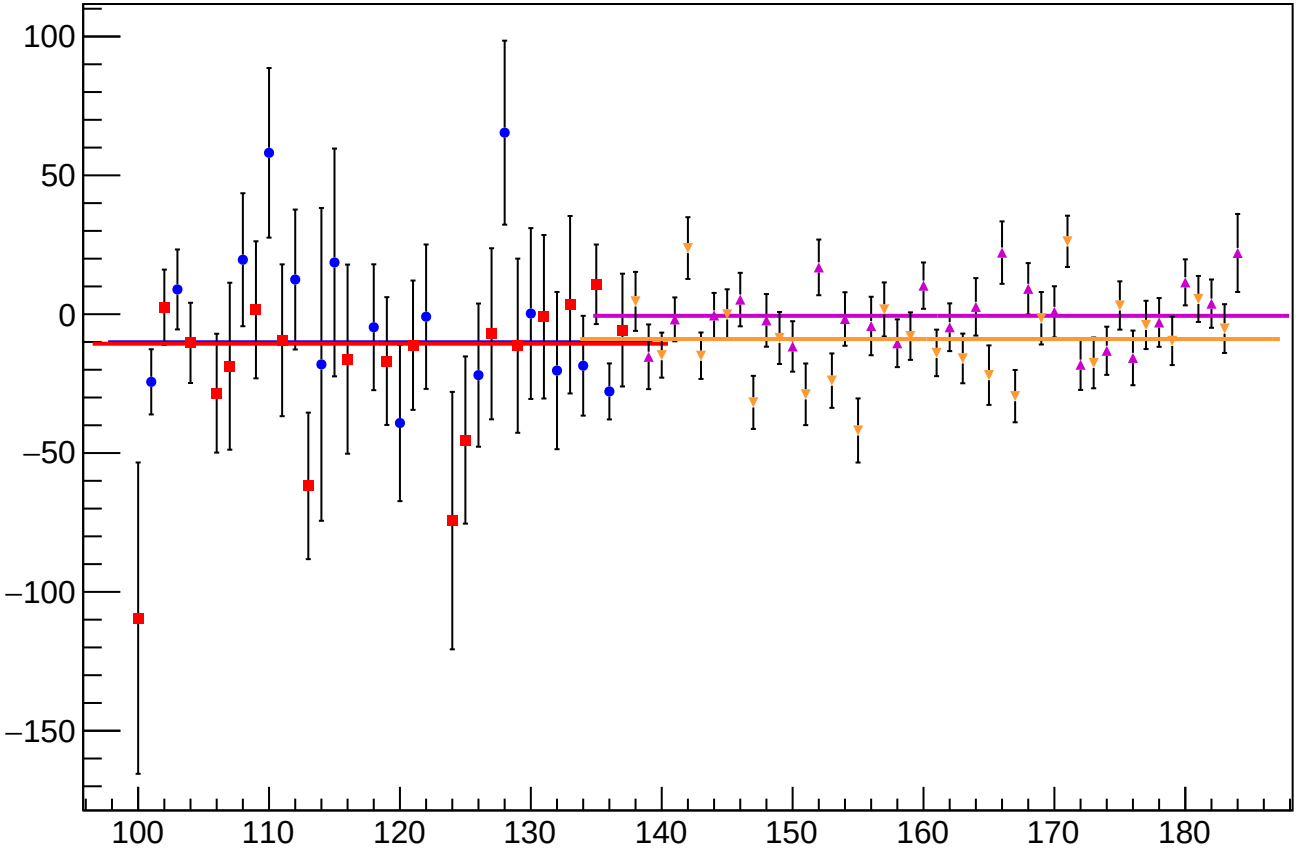
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6380.834+/-0.894 χ^2/NDF: 1250116.2/39

All: 6372.067+/-0.635 χ^2/NDF: 2569570.8/81

- sign 6363.150+/-0.902 χ^2/NDF: 1319260.5/41

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

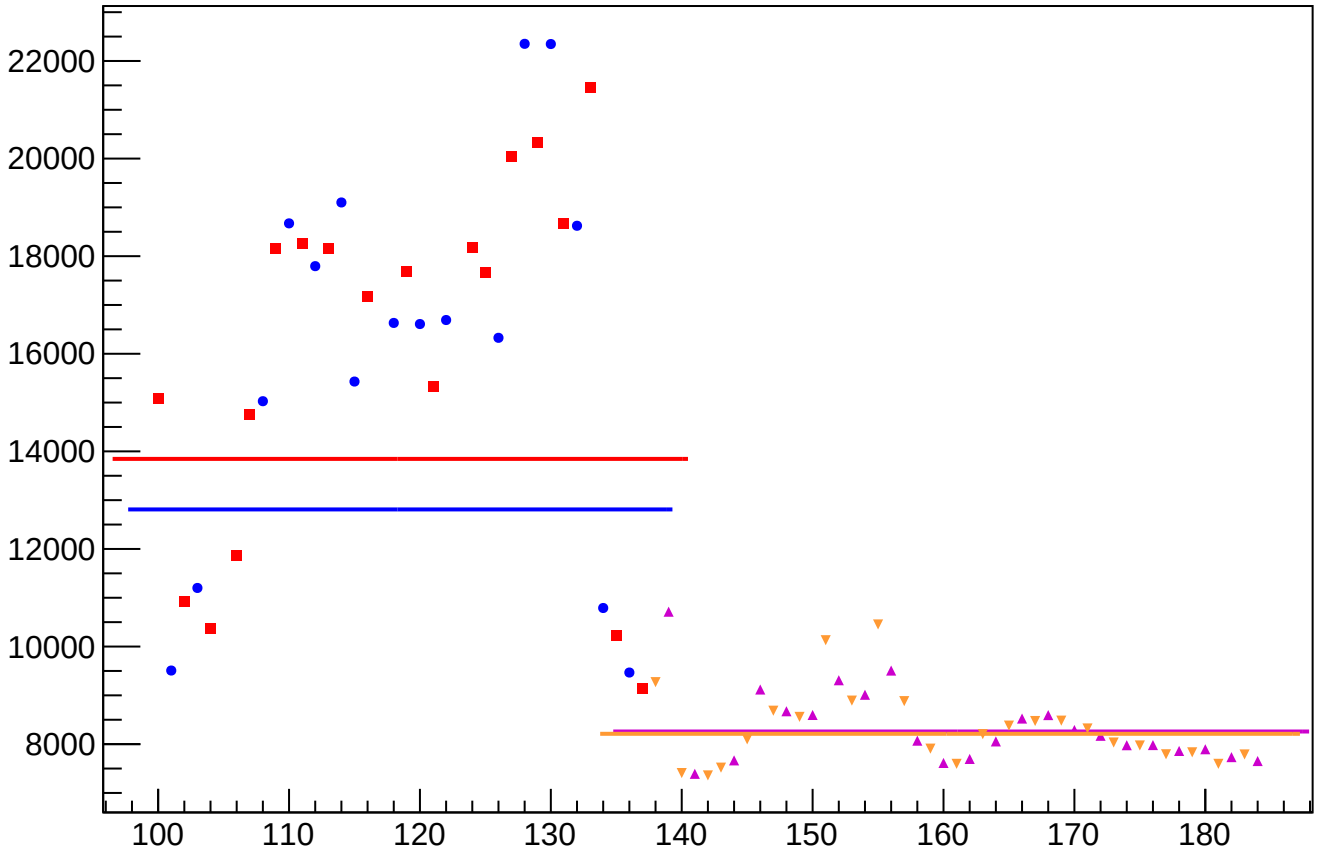
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -9.078+/-1.768 χ^2/NDF: 82.9/39

All: -5.533+/-1.268 χ^2/NDF: 137.6/81

- sign -1.777+/-1.820 χ^2/NDF: 46.4/41



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8211.976+/-1.336 χ^2/NDF:270906.8/23

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

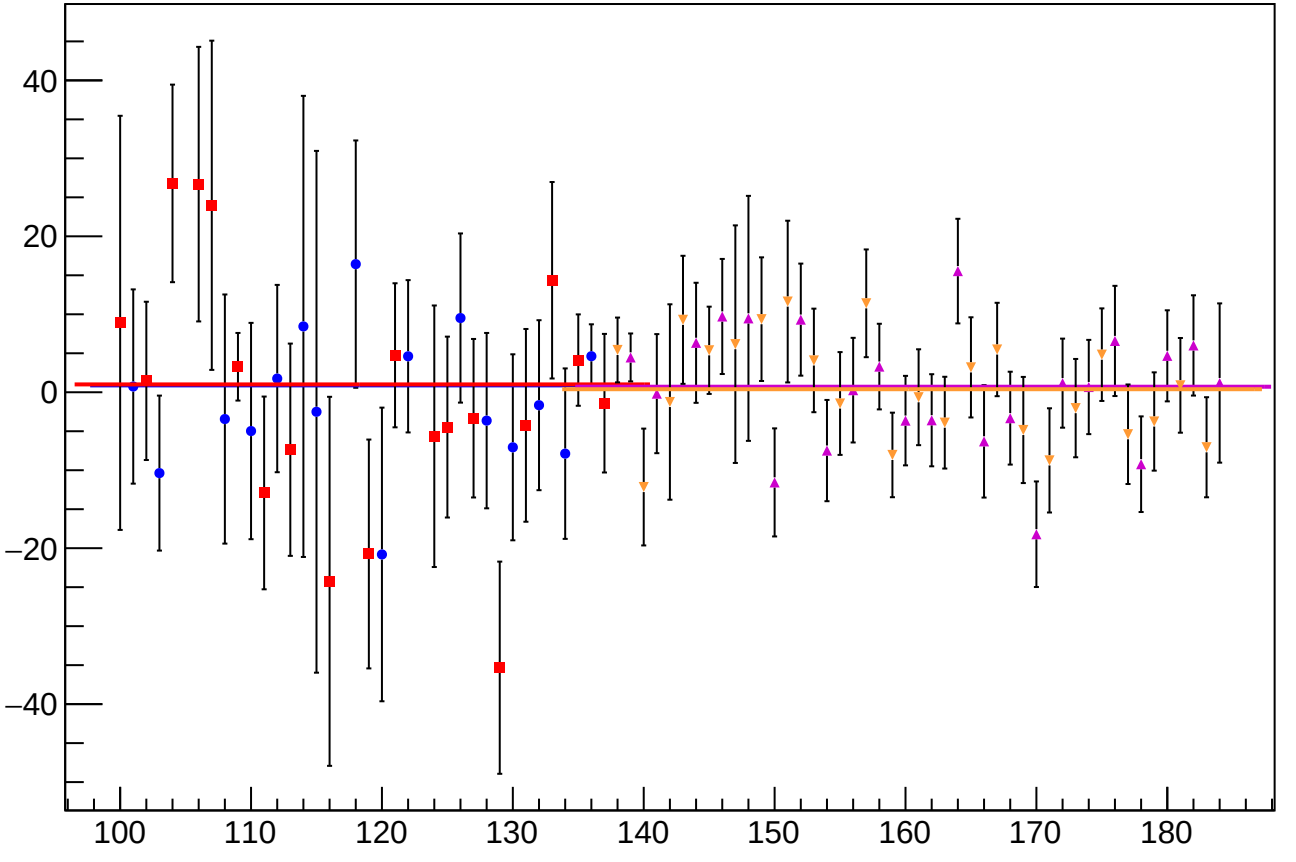
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 8783.124+/-1.250 χ^2/NDF: 2990232.9/39

All: 8851.372+/-0.897 χ^2/NDF: 6325334.6/81

- sign 8923.658+/-1.287 χ^2/NDF: 3328967.0/41

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

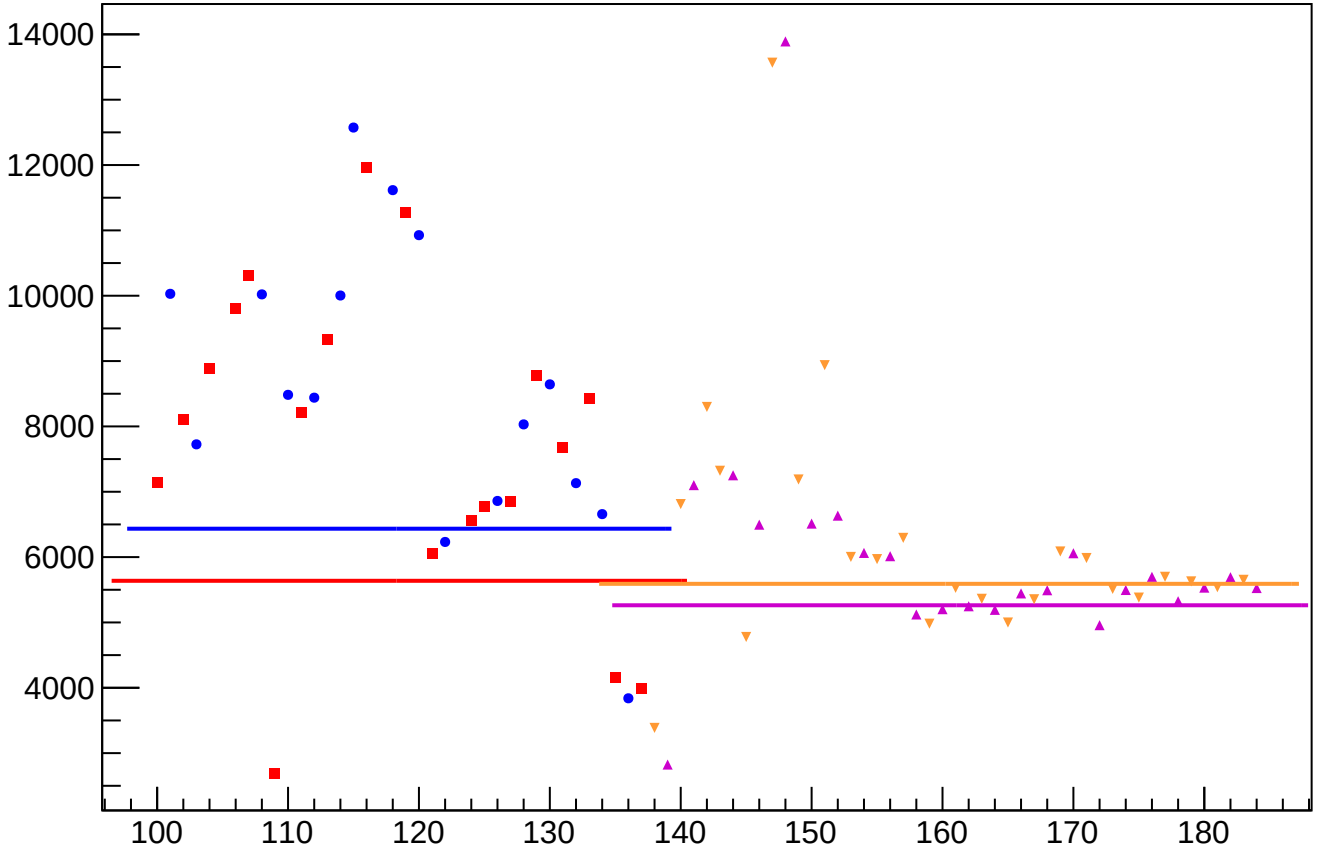
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.495+/-1.181 χ^2/NDF: 28.3/39

All: 0.644+/-0.816 χ^2/NDF: 80.5/81

- sign 0.780+/-1.128 χ^2/NDF: 52.2/41

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5590.902+/-0.941 χ^2/NDF:1783136.7/23

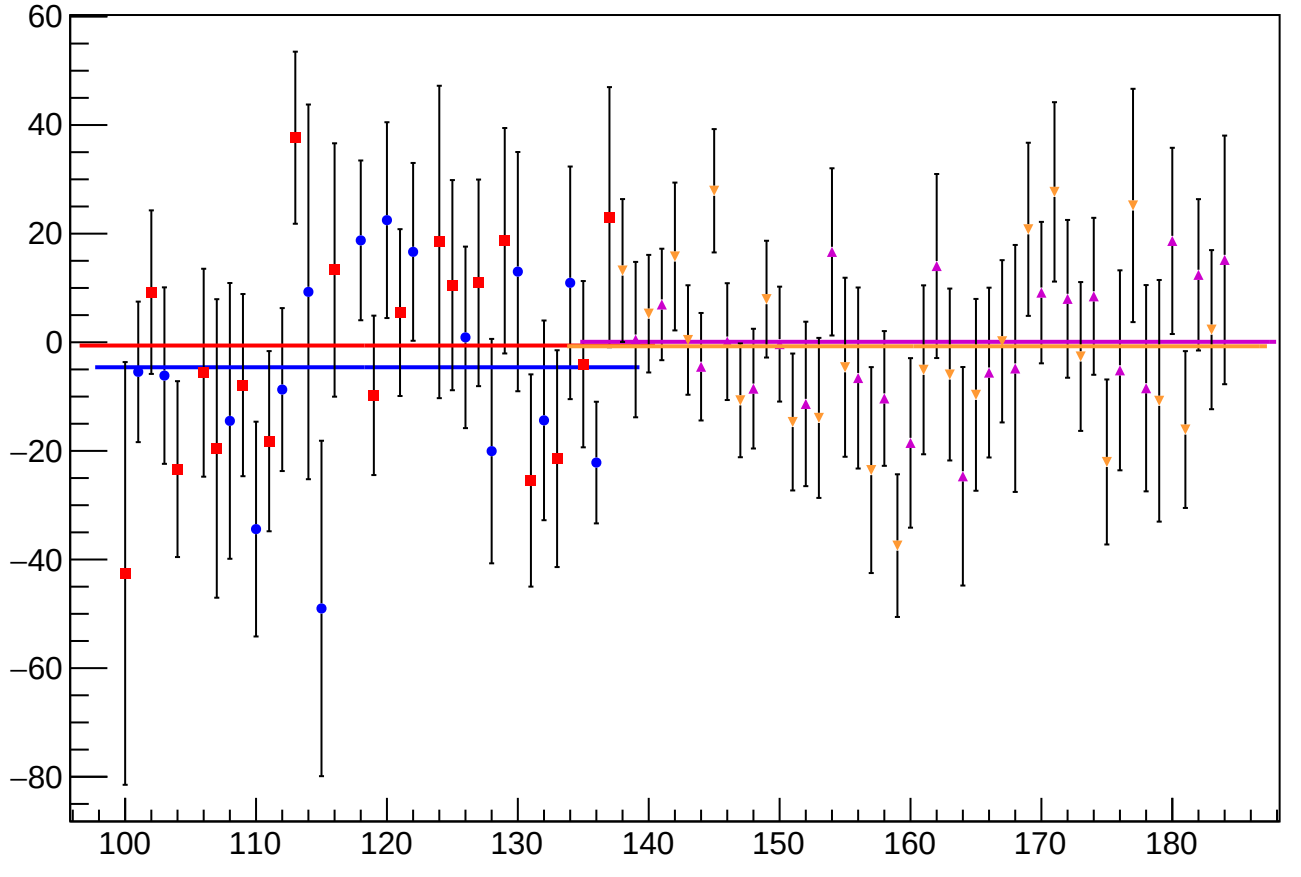
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5769.619+/-0.835 χ^2/NDF: 3704134.6/39

All: 5550.973+/-0.577 χ^2/NDF: 8880738.9/81

- sign 5351.699+/-0.797 χ^2/NDF: 5045587.2/41



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.737+/-2.829 χ^2/NDF:32.2/23

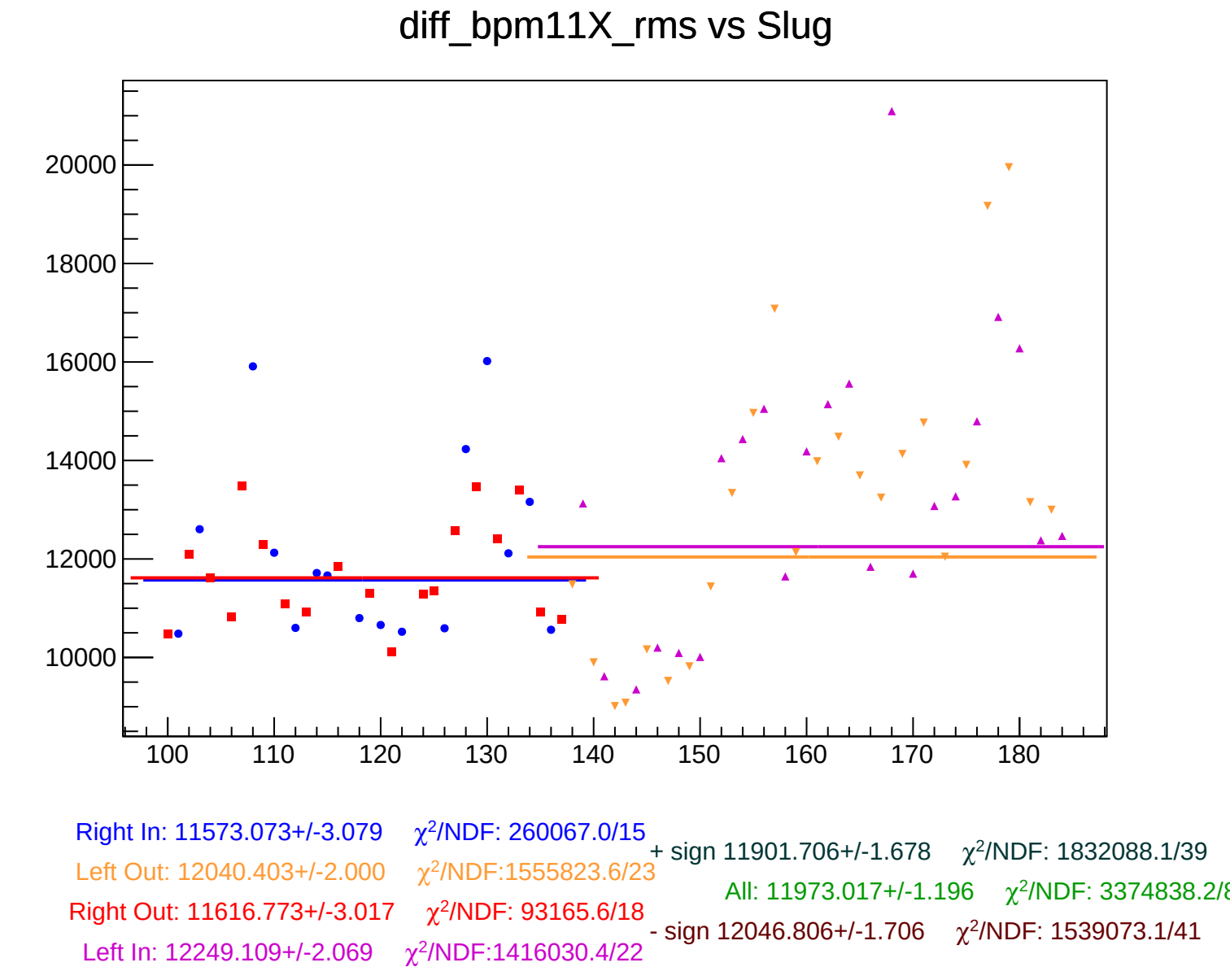
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

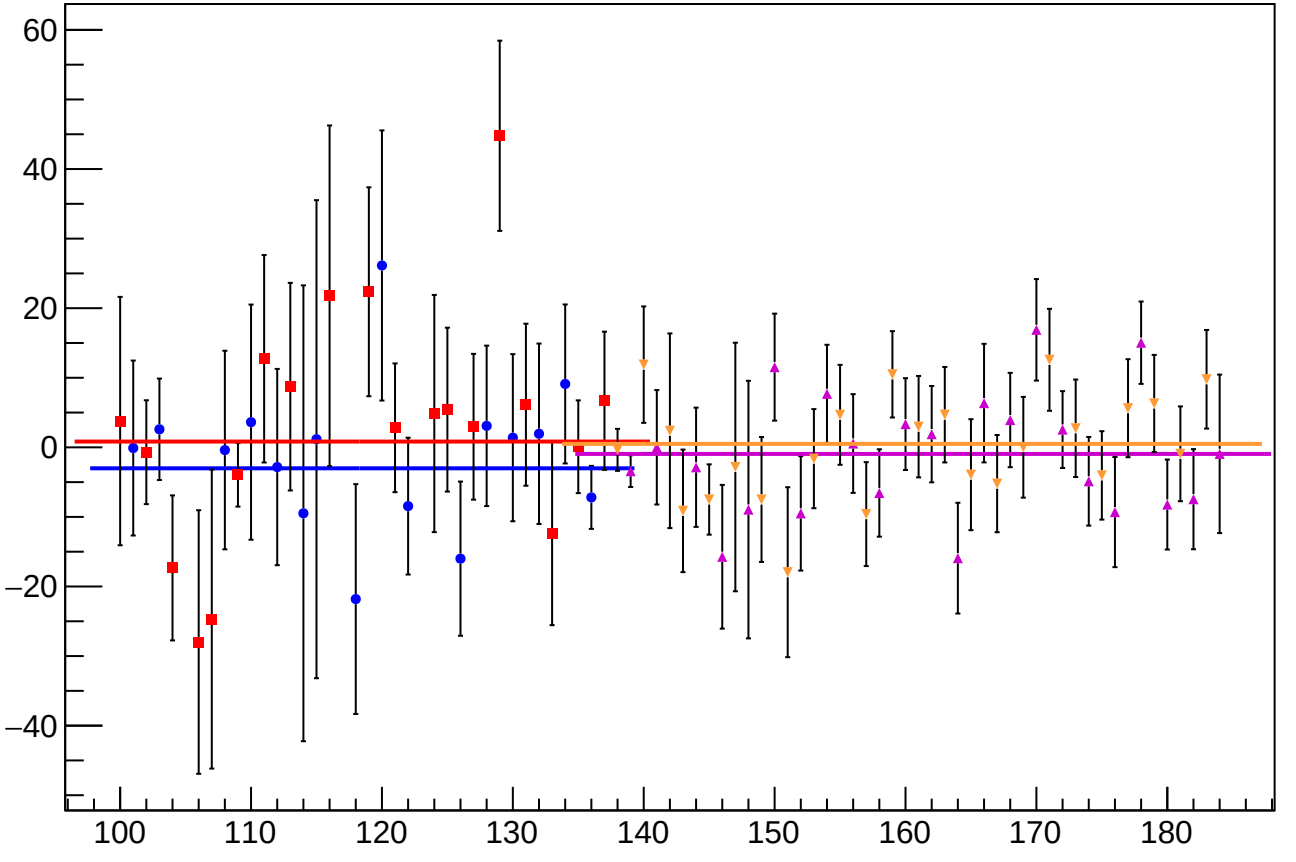
+ sign -1.884+/-2.372 χ^2/NDF: 48.5/39

All: -1.024+/-1.692 χ^2/NDF: 78.2/81

- sign -0.134+/-2.413 χ^2/NDF: 29.4/41


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: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 11901.706+/-1.678 χ²/NDF: 1832088.1/39
All: 11973.017+/-1.196 χ²/NDF: 3374838.2/8
- sign 12046.806+/-1.706 χ²/NDF: 1539073.1/41

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

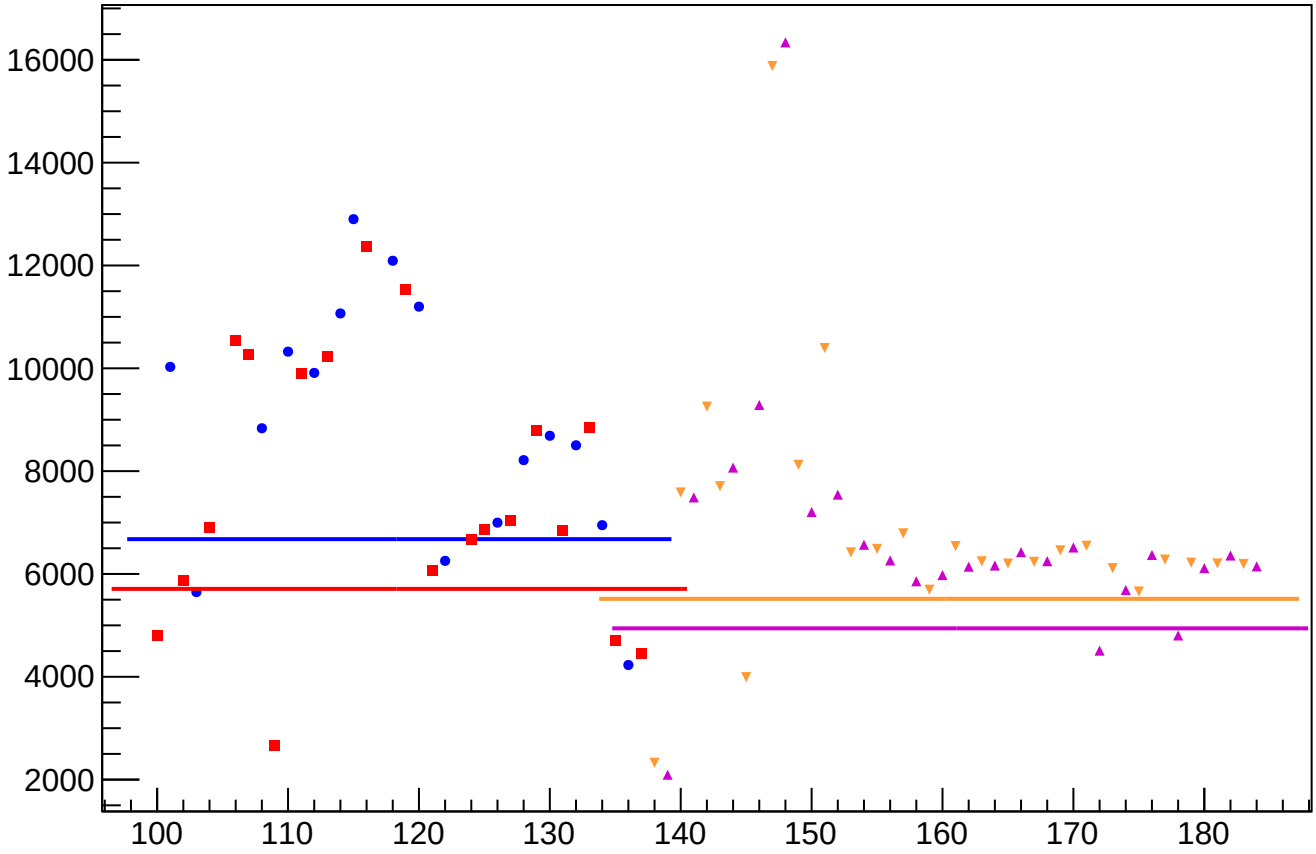
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign -0.246+/-1.222 χ^2/NDF: 31.4/39

All: -0.400+/-0.831 χ^2/NDF: 87.9/81

- sign -0.533+/-1.134 χ^2/NDF: 56.4/41

diff_bpm11Y_rms vs Slug



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

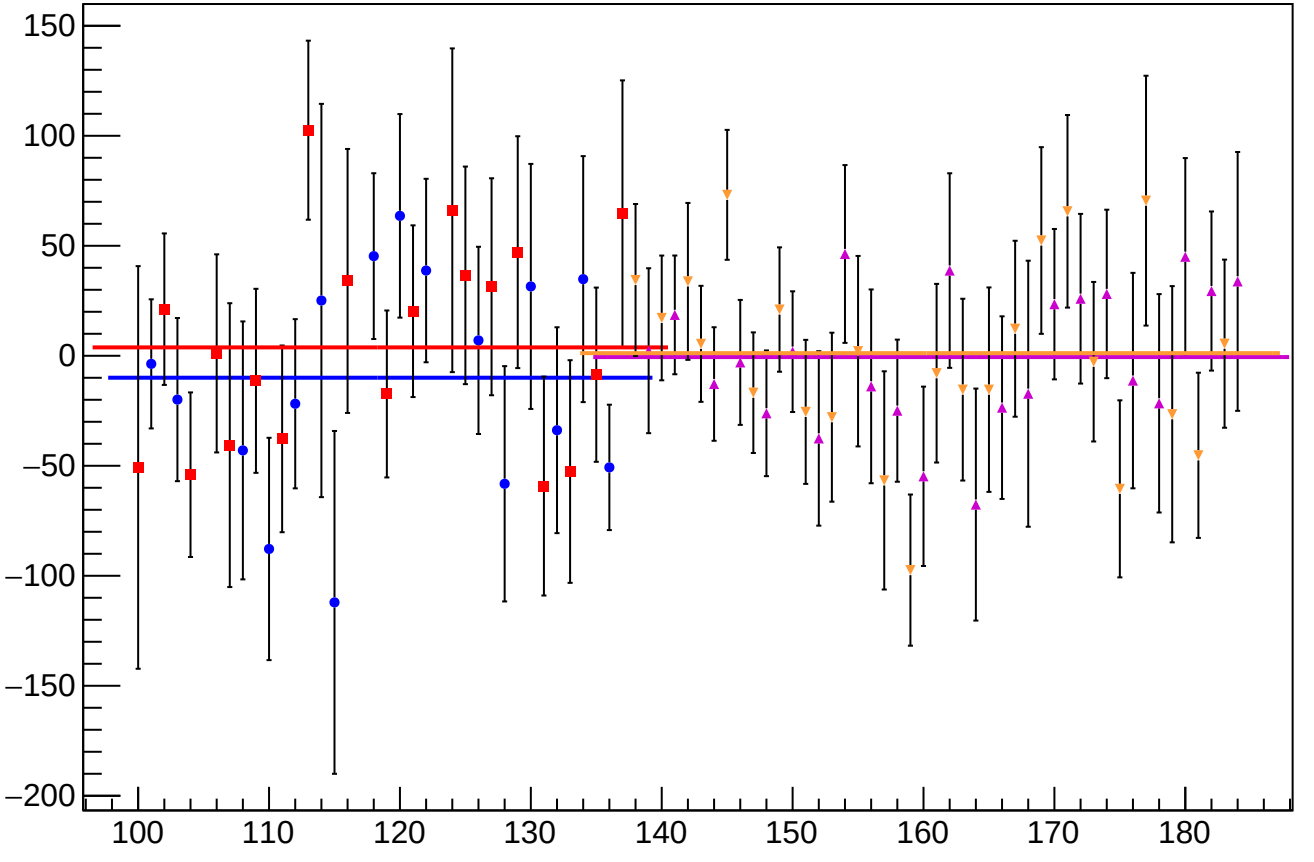
Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5762.425+/-0.864 χ^2/NDF: 6237408.8/39

All: 5417.523+/-0.588 χ^2/NDF: 14934773.4/8

- sign 5120.512+/-0.802 χ^2/NDF: 8400794.2/41

diff_bpm12X_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

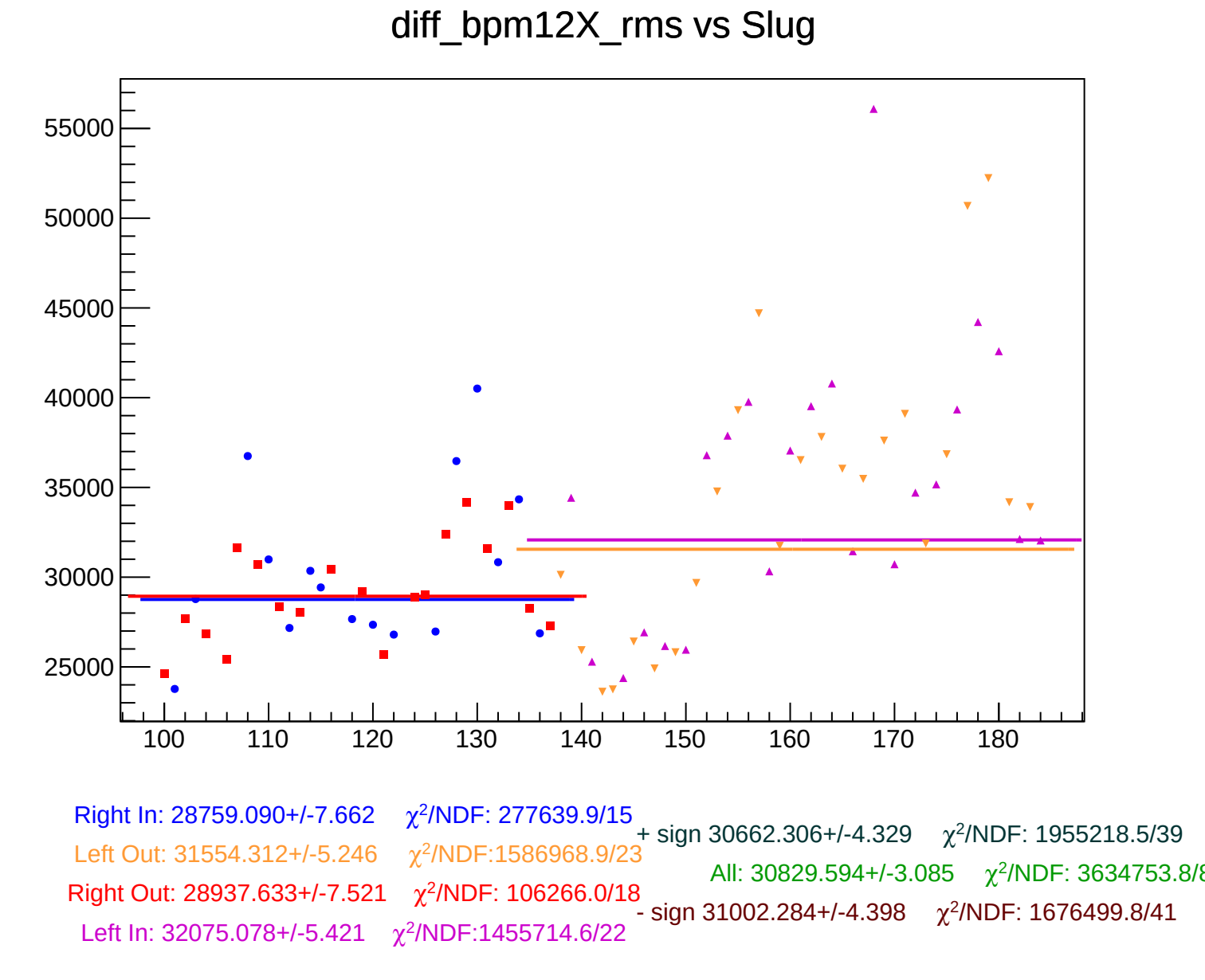
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

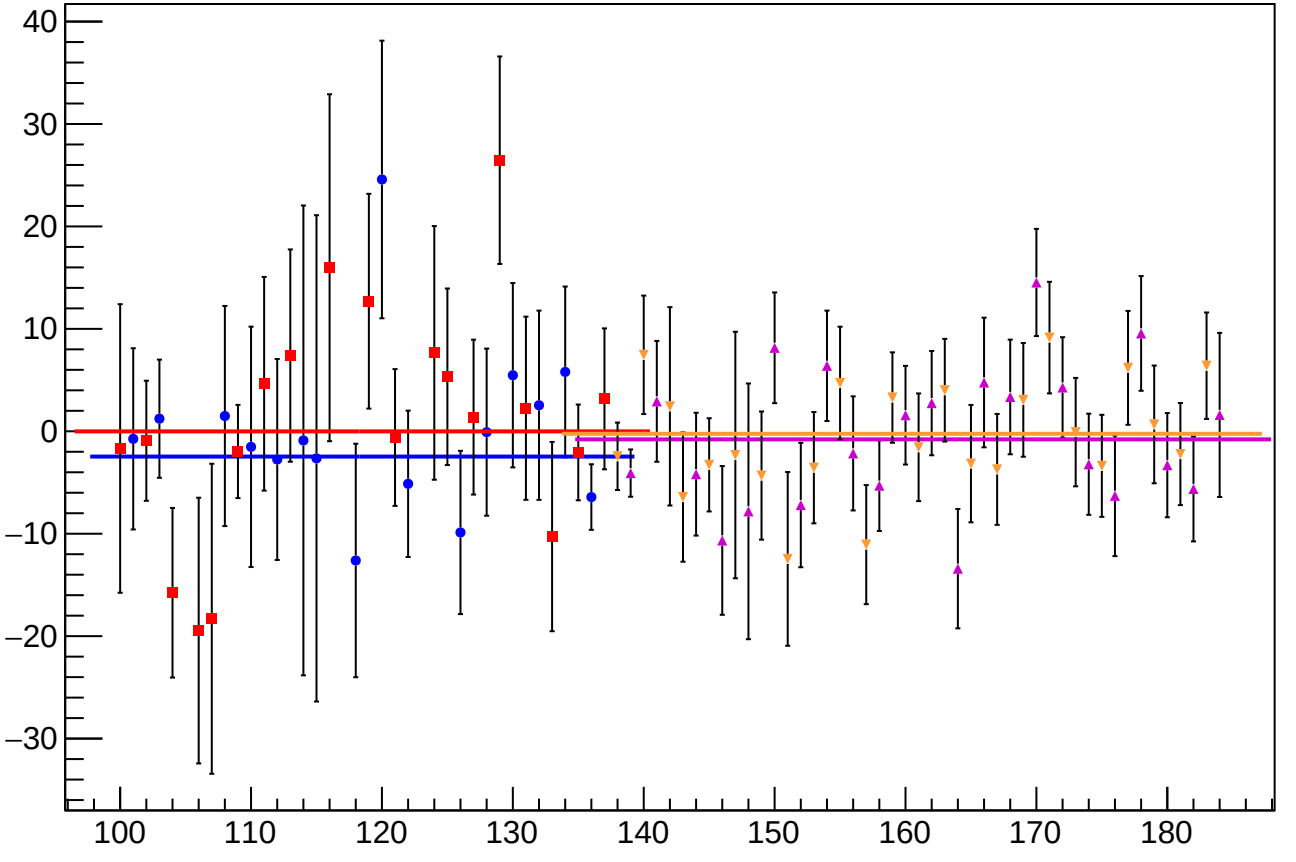
+ sign -2.364+/-6.121 χ^2/NDF: 45.5/39

All: -0.749+/-4.363 χ^2/NDF: 75.8/81

- sign 0.918+/-6.220 χ^2/NDF: 30.2/41


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: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30662.306+/-4.329 χ²/NDF: 1955218.5/39
All: 30829.594+/-3.085 χ²/NDF: 3634753.8/8
- sign 31002.284+/-4.398 χ²/NDF: 1676499.8/41

diff_bpm12Y_mean vs Slug



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

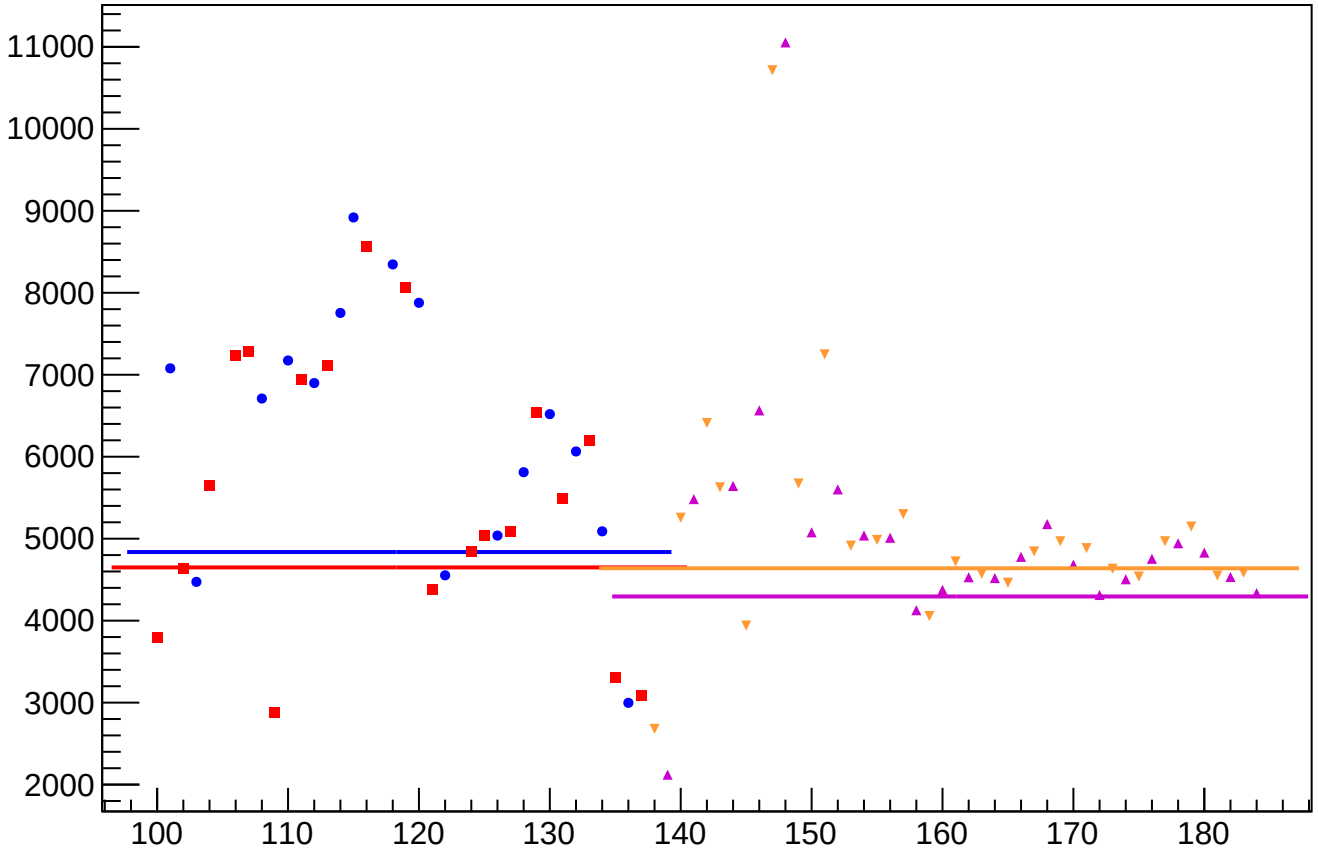
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.796+/-0.955 χ^2/NDF: 30.9/39

All: -0.690+/-0.662 χ^2/NDF: 84.8/81

- sign -0.592+/-0.917 χ^2/NDF: 53.9/41

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4638.969+/-0.779 χ^2/NDF:1762832.2/23

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

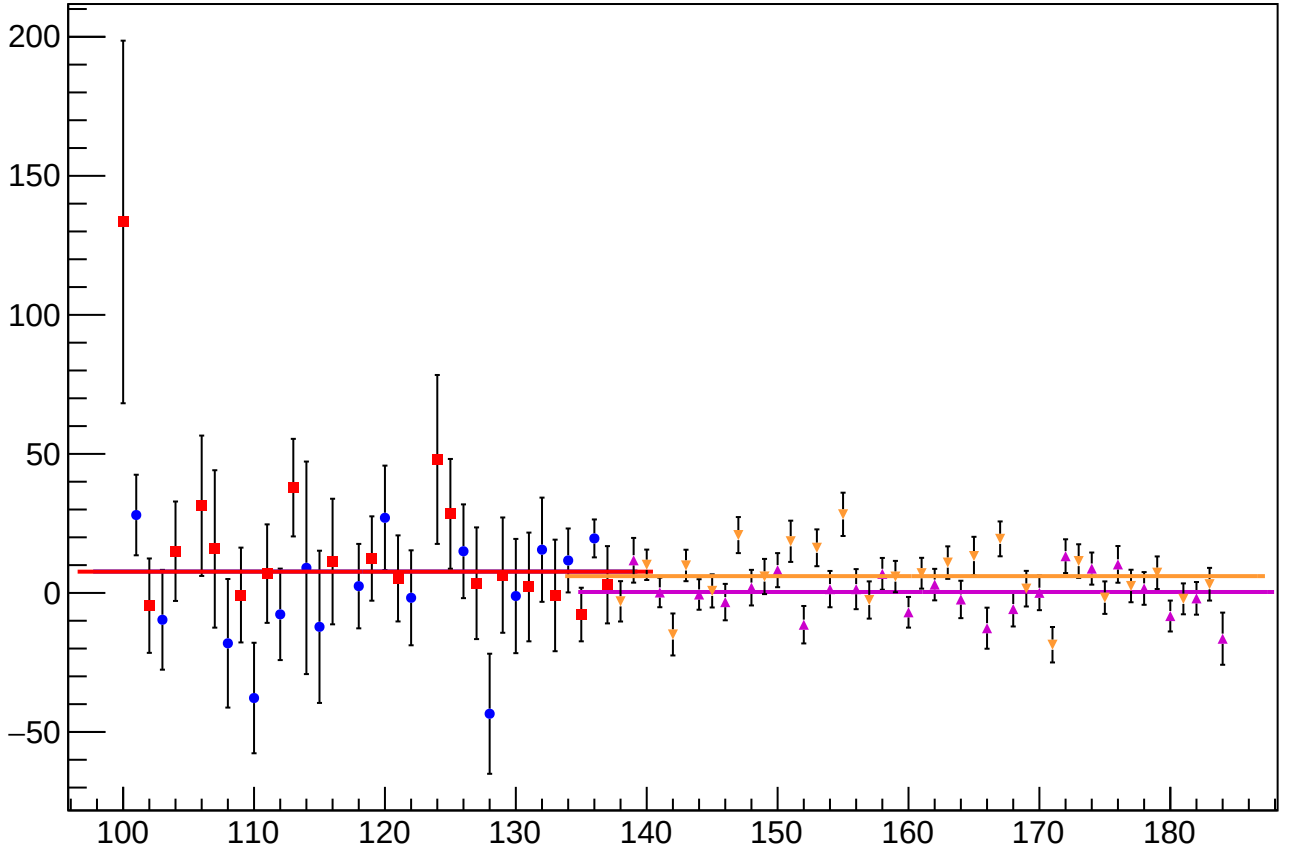
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4688.266+/-0.676 χ^2/NDF: 3326685.0/39

All: 4530.156+/-0.468 χ^2/NDF: 8018415.5/81

- sign 4384.358+/-0.649 χ^2/NDF: 4586437.1/41

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

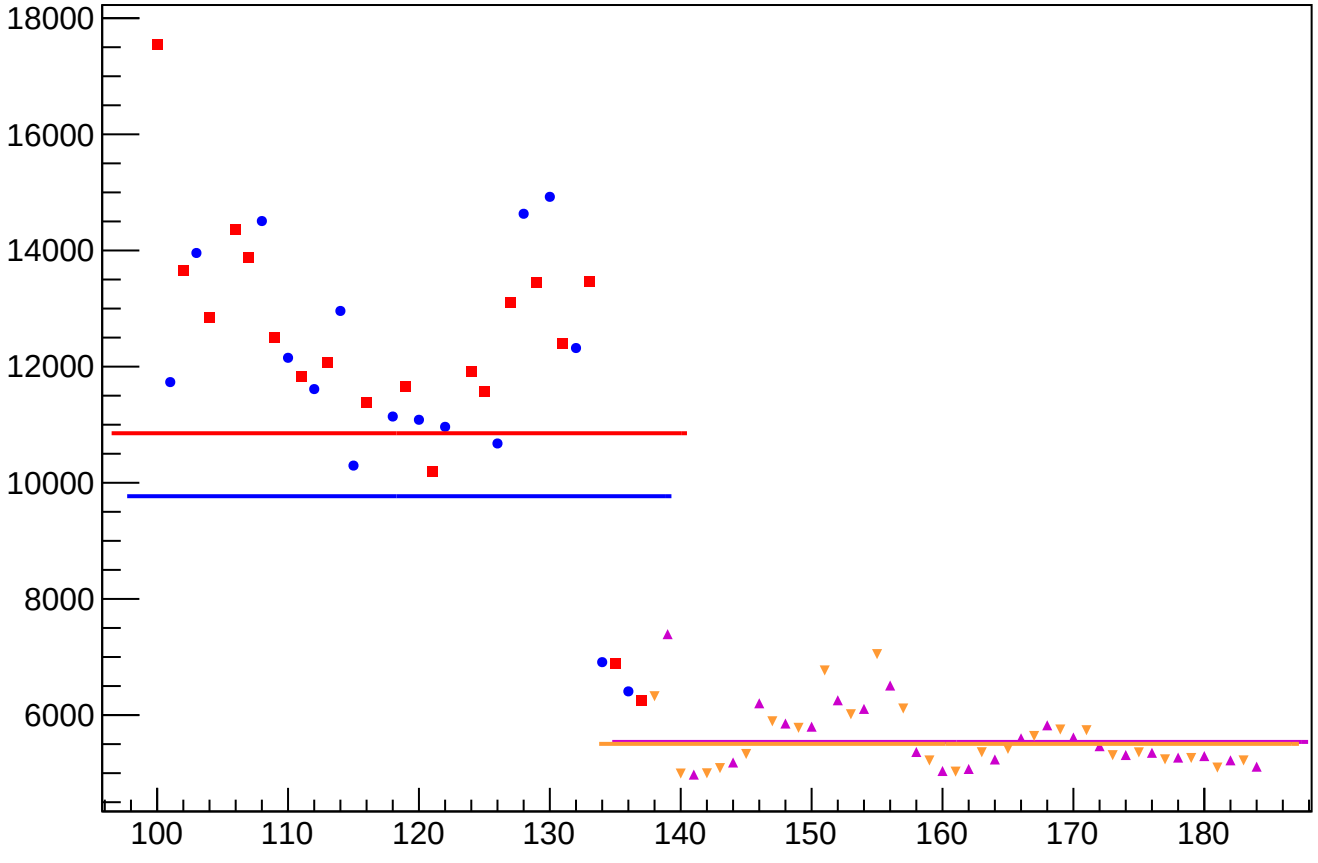
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.207+/-1.203 χ^2/NDF: 80.3/39

All: 3.685+/-0.863 χ^2/NDF: 136.2/81

- sign 1.006+/-1.240 χ^2/NDF: 46.8/41

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

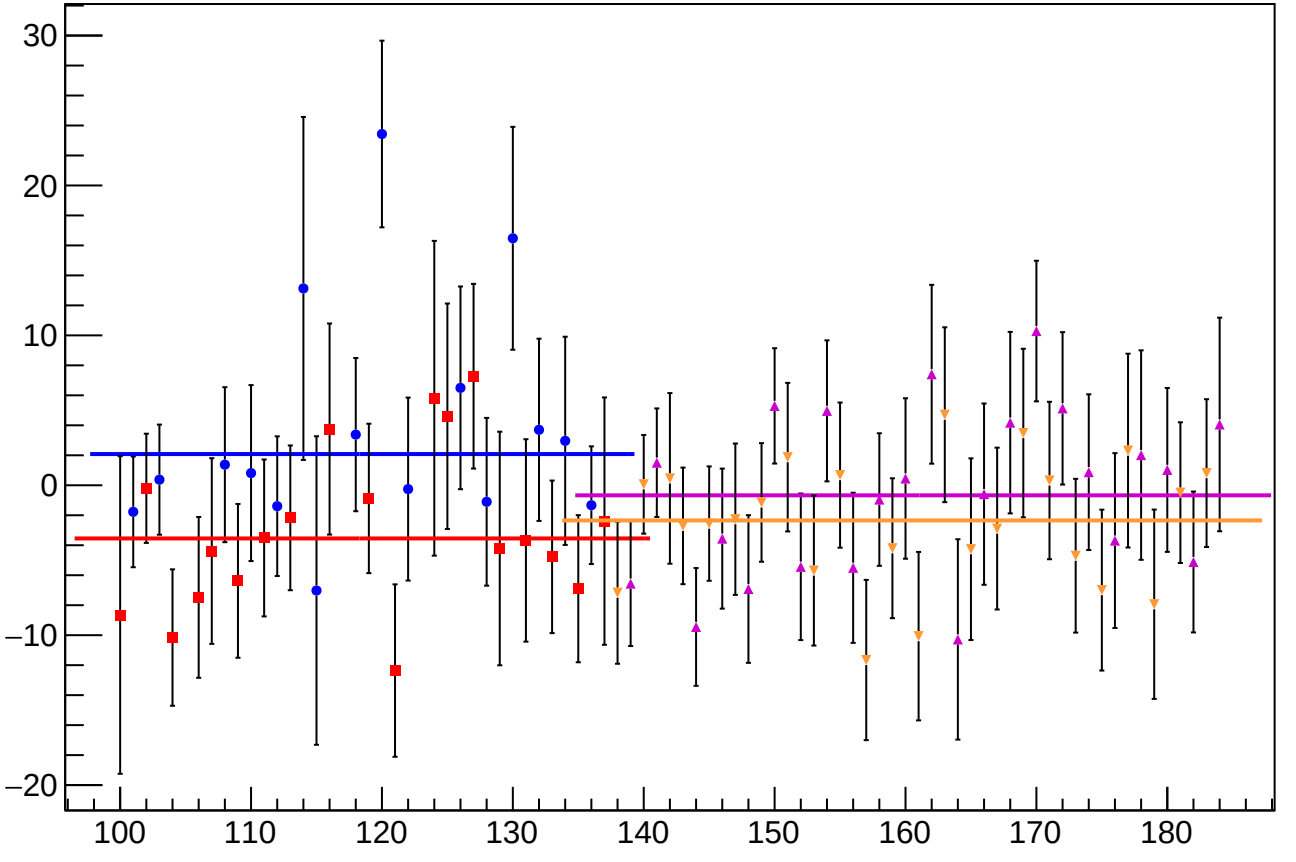
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5927.134+/-0.850 χ^2/NDF: 3754832.1/39

All: 5974.107+/-0.610 χ^2/NDF: 7994619.3/81

- sign 6024.028+/-0.877 χ^2/NDF: 4233494.1/41

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

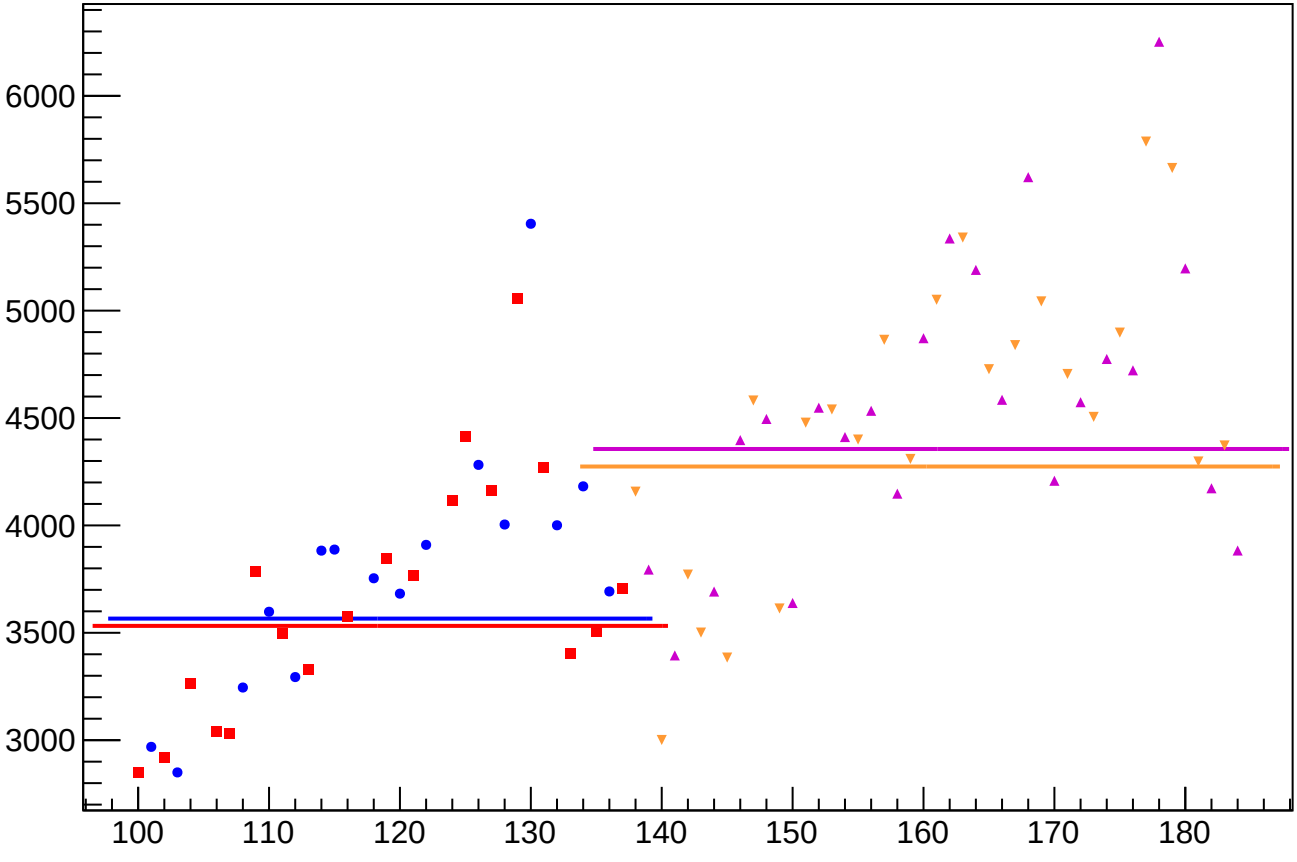
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.779+/-0.800 χ^2/NDF: 42.2/39

All: -1.272+/-0.569 χ^2/NDF: 87.8/81

- sign -1.776+/-0.809 χ^2/NDF: 44.8/41

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

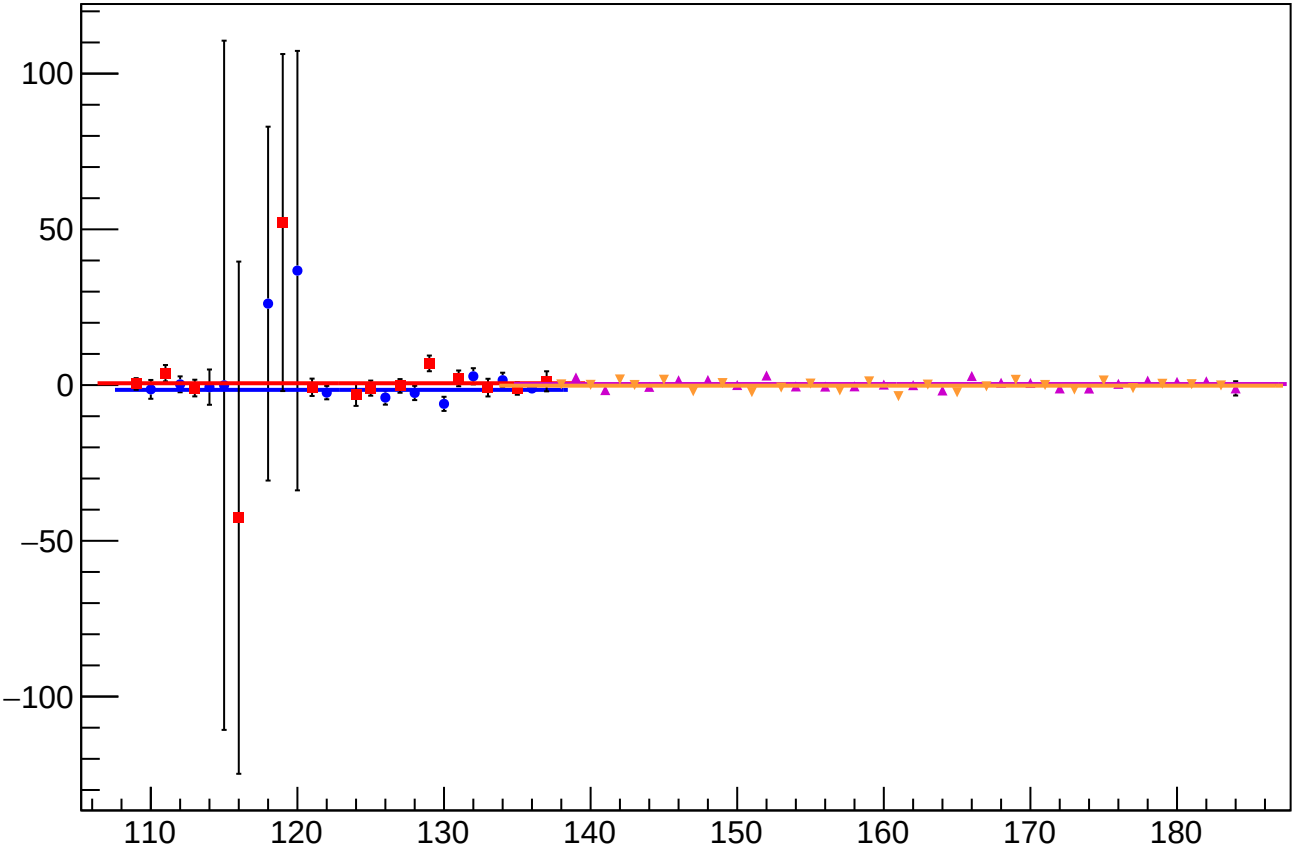
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 4023.641+/-0.566 χ^2/NDF: 1728557.6/39

All: 4031.303+/-0.402 χ^2/NDF: 3241644.6/81

- sign 4039.127+/-0.572 χ^2/NDF: 1512716.5/41

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

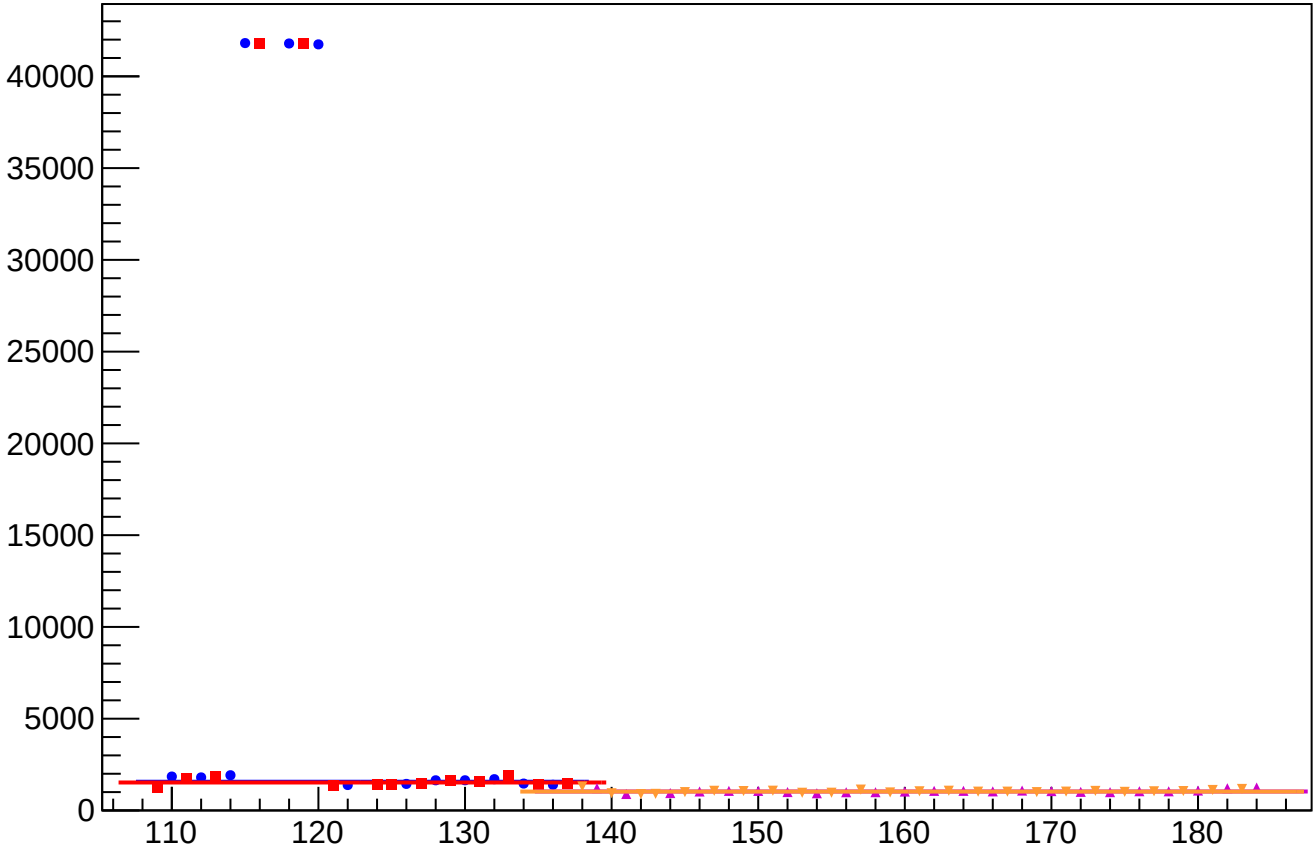
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

\+ sign -0.315+/-0.225 χ^2/NDF: 47.7/36

All: 0.015+/-0.161 χ^2/NDF: 94.4/73

\- sign 0.359+/-0.229 χ^2/NDF: 42.2/36

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

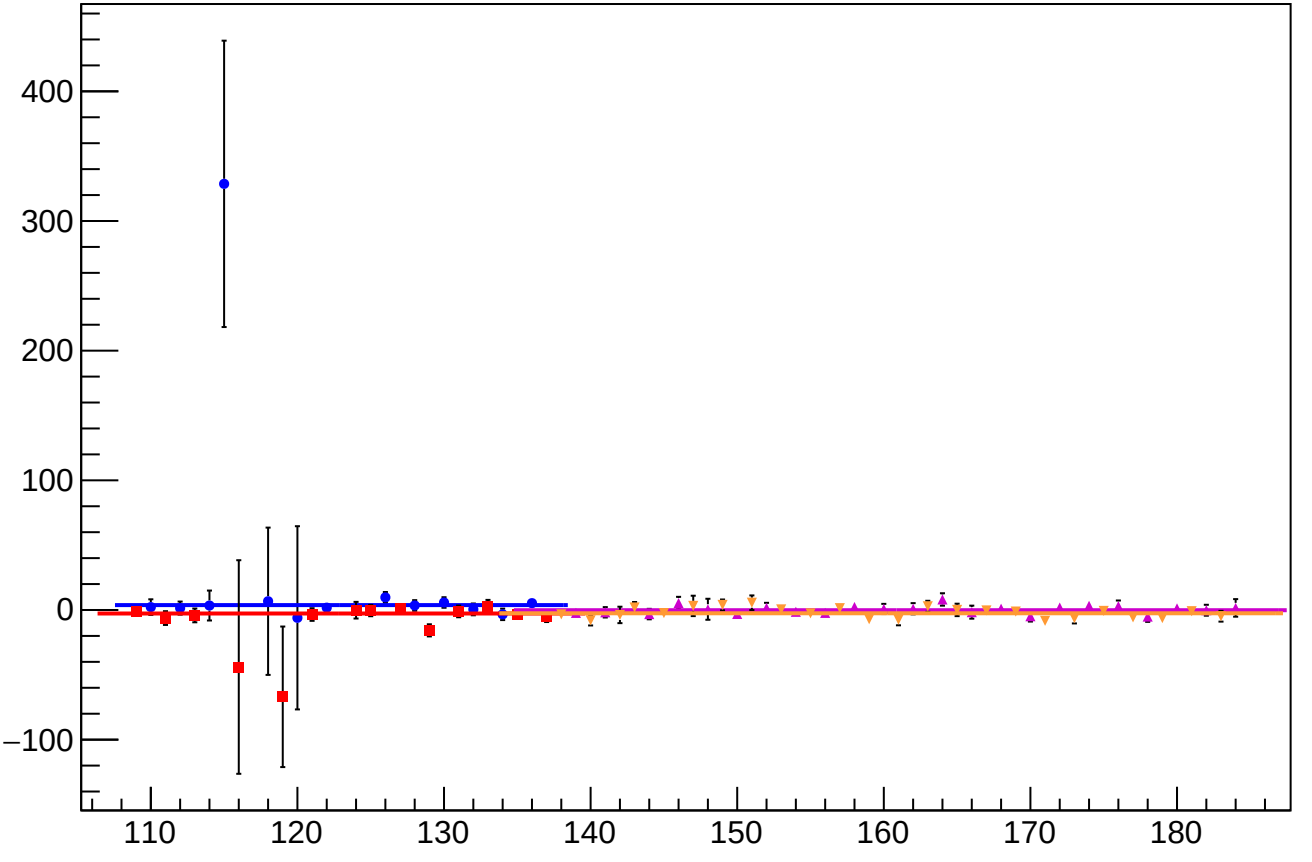
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1079.605+/-0.159 χ^2/NDF: 3203541.7/36

All: 1081.256+/-0.114 χ^2/NDF: 5972102.2/73

- sign 1082.972+/-0.162 χ^2/NDF: 2768340.8/36

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

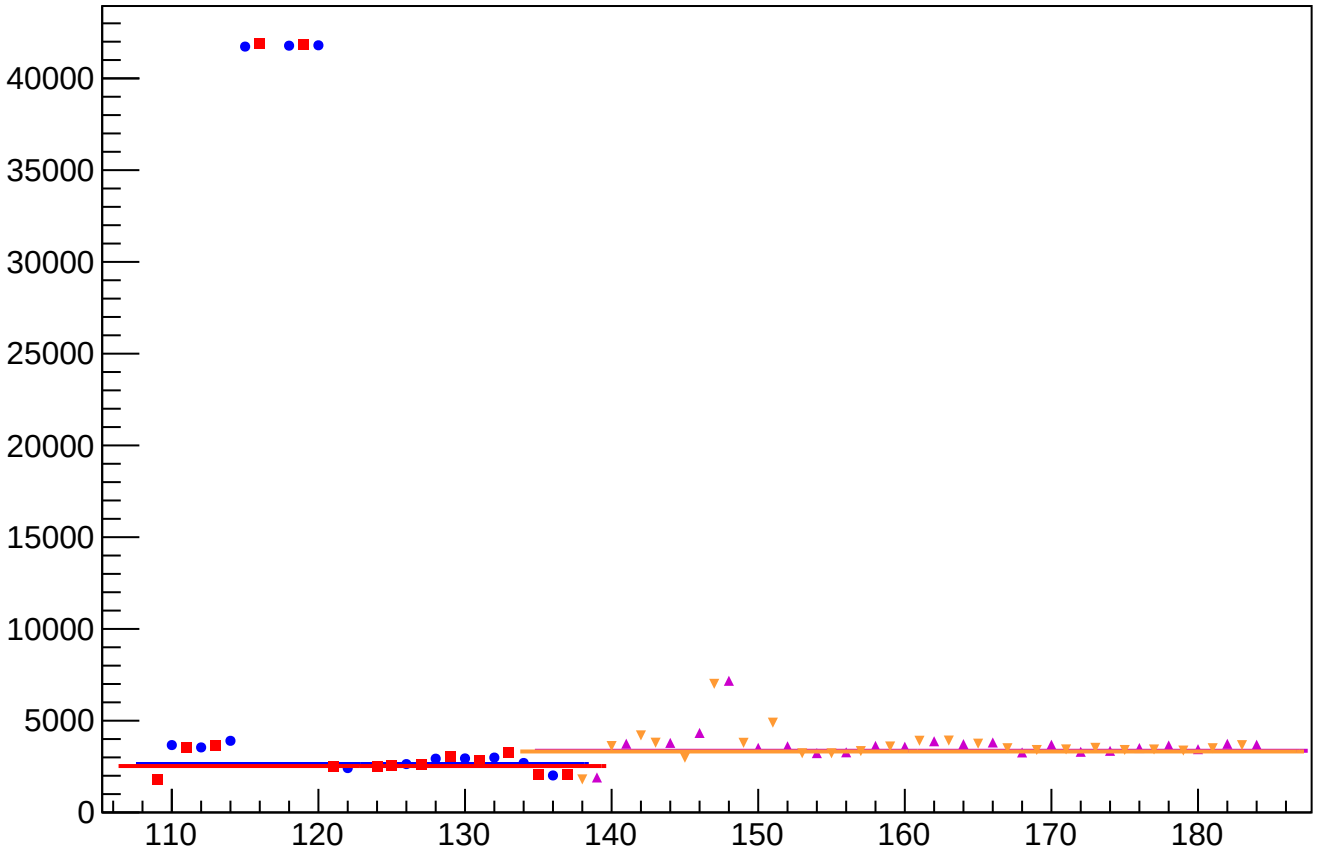
Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.742+/-0.665 χ^2/NDF: 54.1/36

All: -0.847+/-0.473 χ^2/NDF: 83.5/73

- sign -0.955+/-0.673 χ^2/NDF: 29.3/36



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

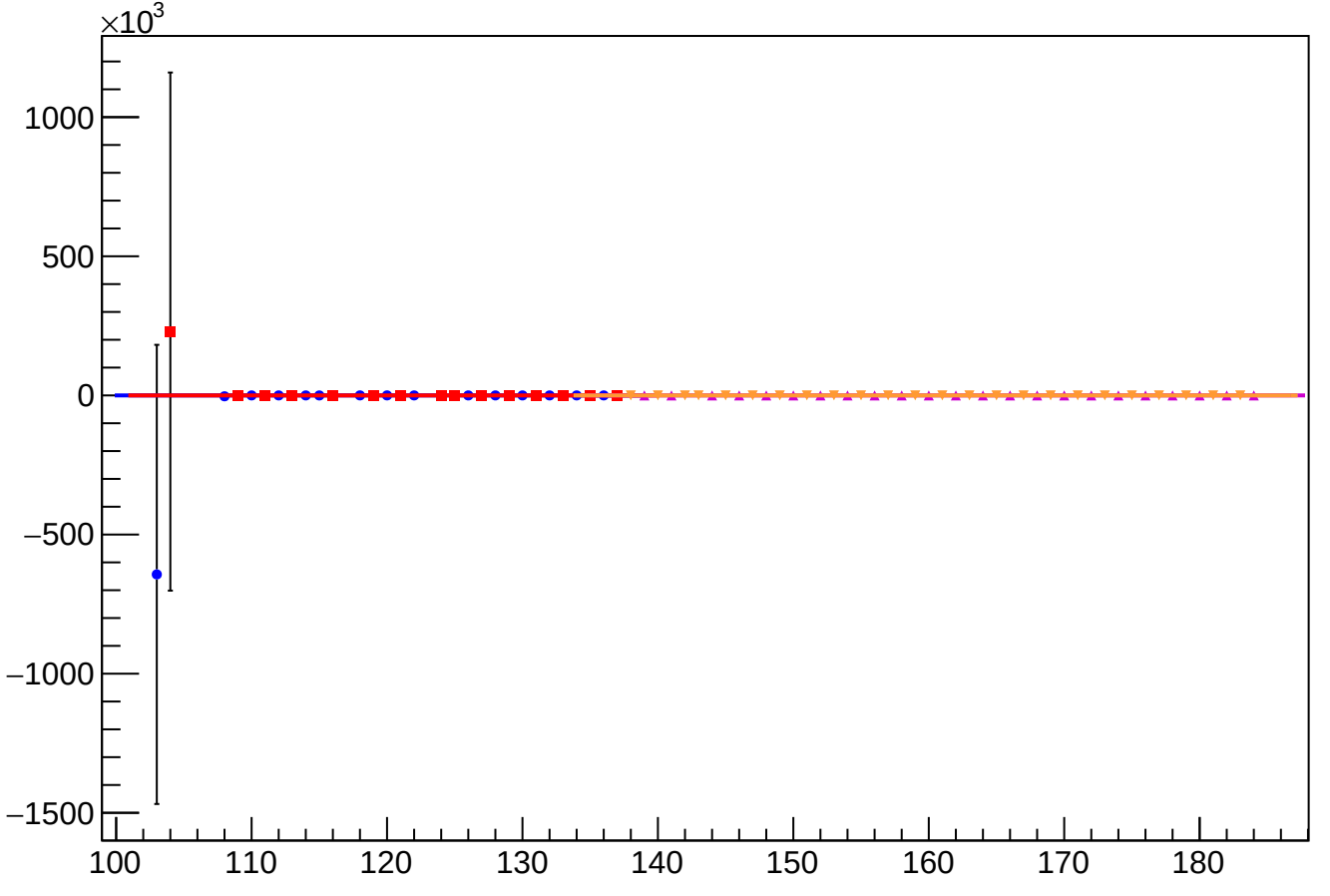
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 3128.588+/-0.470 χ^2/NDF: 4506653.8/36

All: 3116.360+/-0.335 χ^2/NDF: 8759480.9/73

- sign 3103.845+/-0.476 χ^2/NDF: 4251459.9/36

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

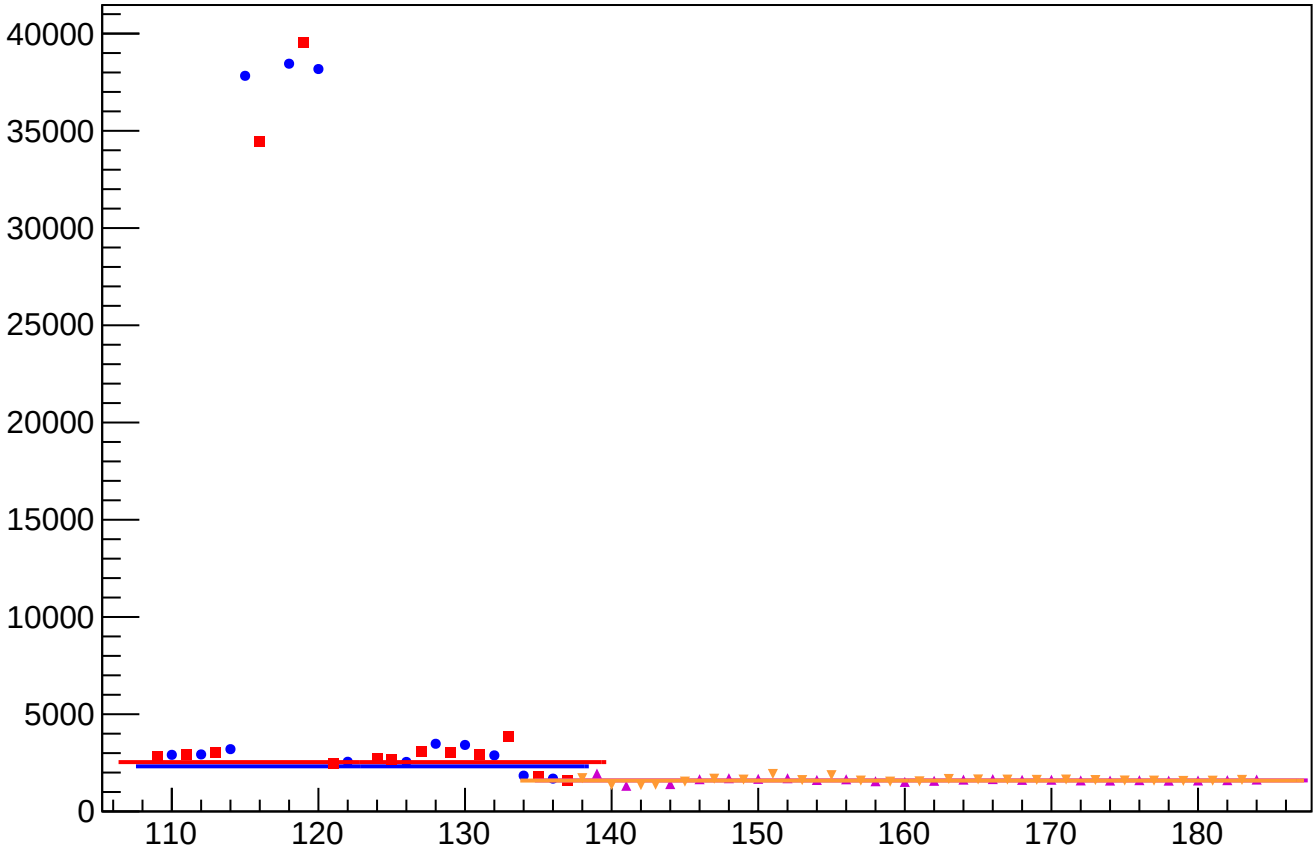
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.567+/-0.347 χ^2/NDF: 68.6/38

All: -0.912+/-0.249 χ^2/NDF: 122.2/76

- sign -0.217+/-0.358 χ^2/NDF: 46.3/37

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

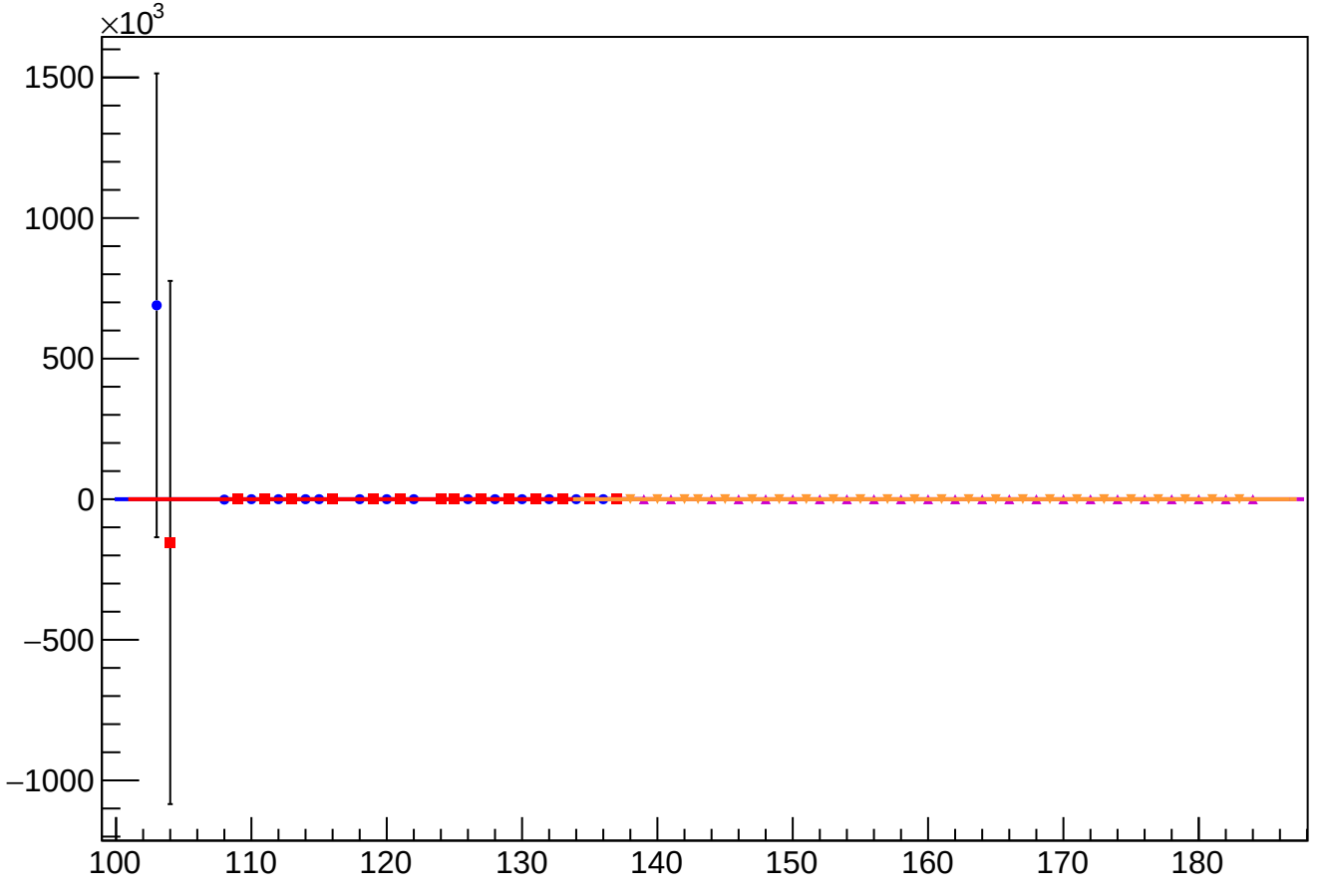
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1658.254+/-0.246 χ^2/NDF: 3458358.5/36

All: 1667.989+/-0.176 χ^2/NDF: 6799601.1/73

- sign 1678.317+/-0.253 χ^2/NDF: 3338004.4/36

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

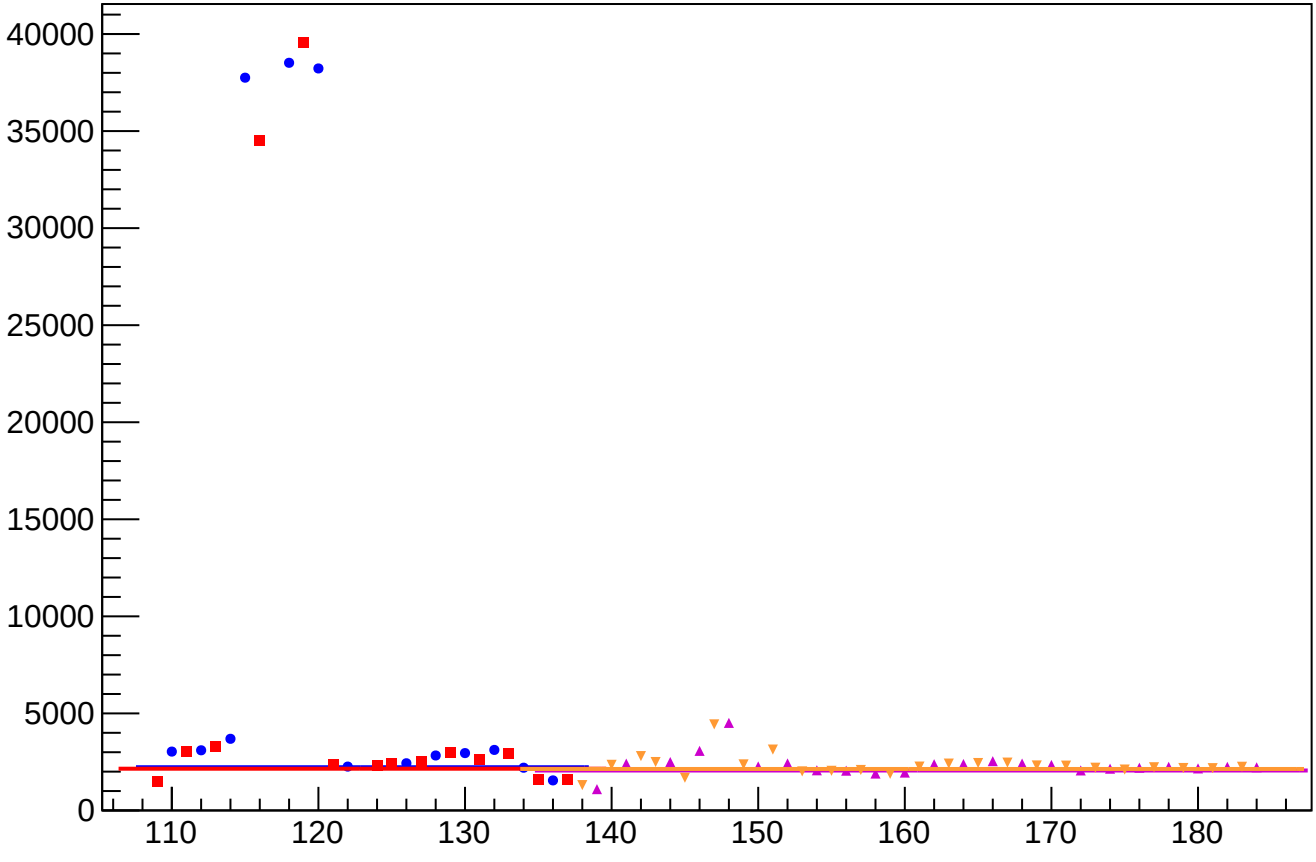
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.724+/-0.458 χ^2/NDF: 33.5/38

All: -0.484+/-0.322 χ^2/NDF: 69.3/76

- sign -0.249+/-0.452 χ^2/NDF: 35.2/37

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

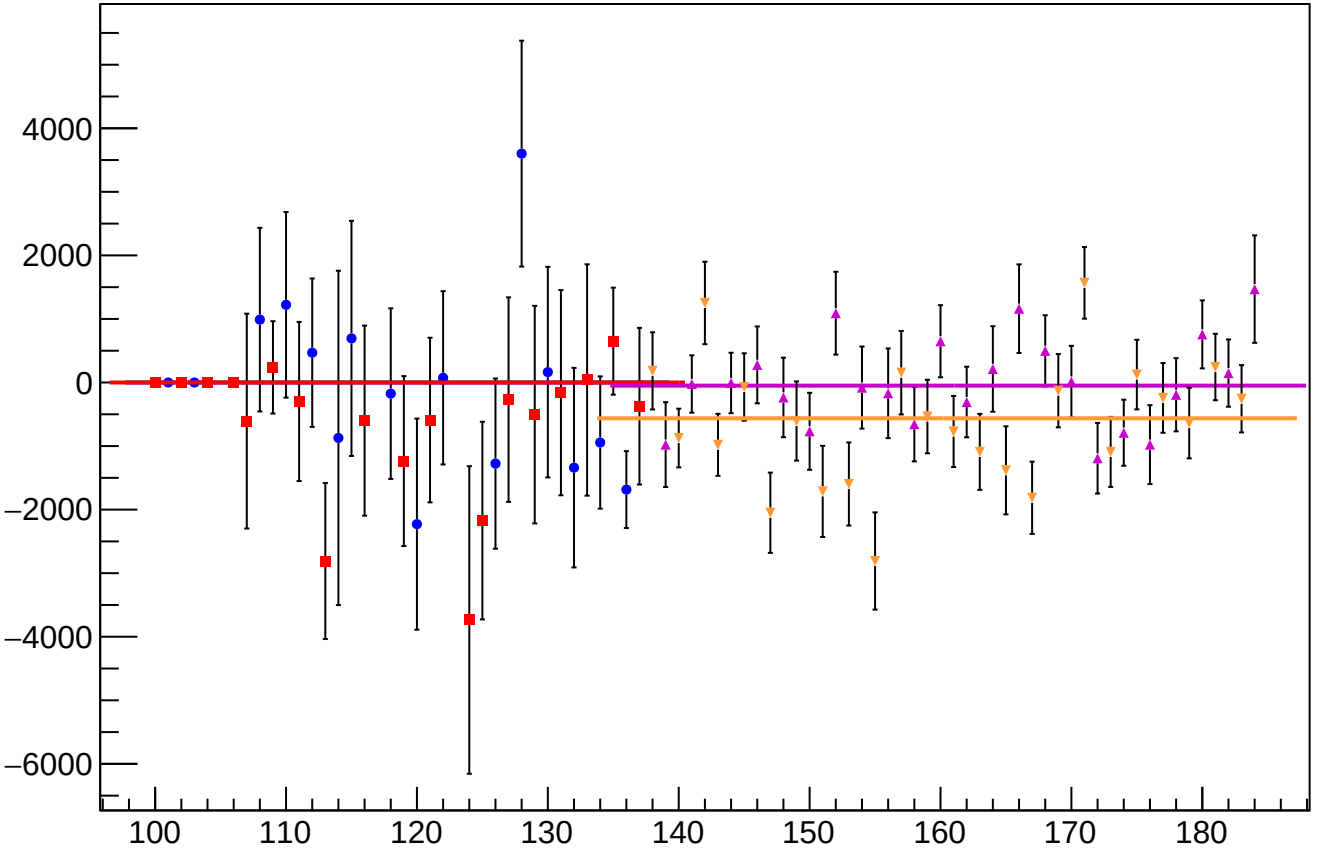
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2153.355+/-0.324 χ^2/NDF: 4010796.5/36

All: 2113.919+/-0.228 χ^2/NDF: 8577737.6/73

- sign 2075.361+/-0.320 χ^2/NDF: 4537564.7/36

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

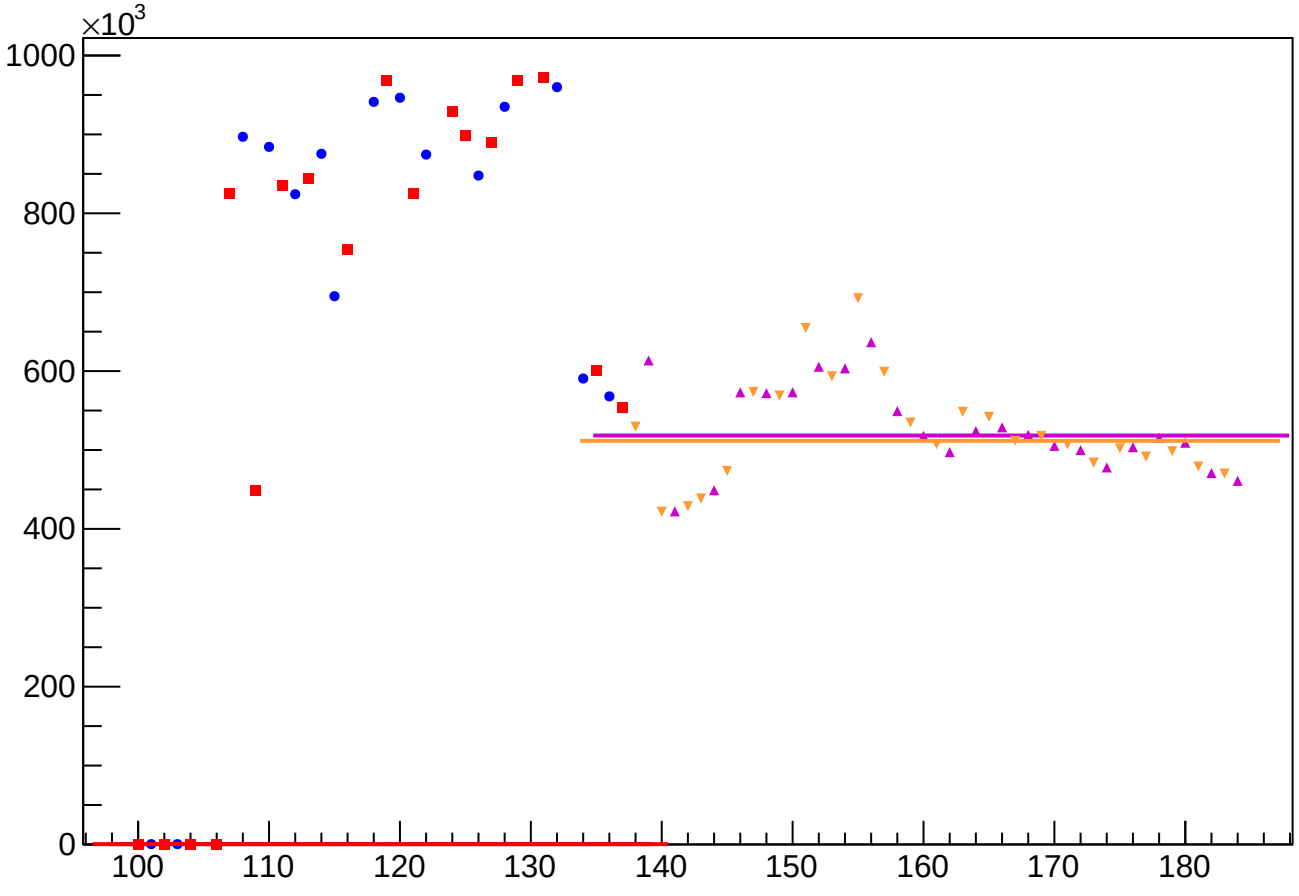
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 99.9/39

All: 0.167+/-0.241 χ^2/NDF: 143.5/81

- sign 0.096+/-0.328 χ^2/NDF: 43.5/41



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

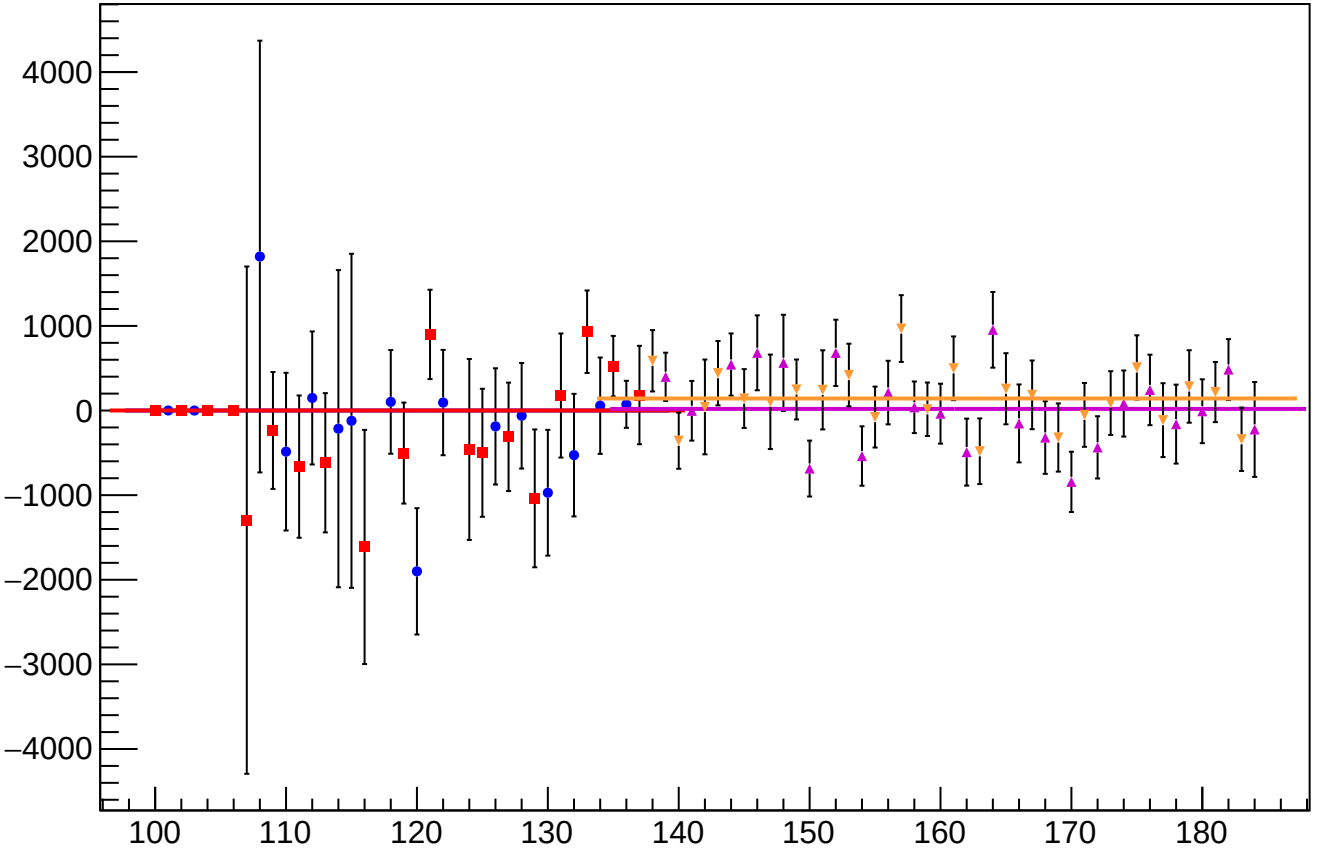
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.515+/-0.251 χ^2/NDF: 46447506.9/38

All: 399.982+/-0.170 χ^2/NDF: 90580248.6/79

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40

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

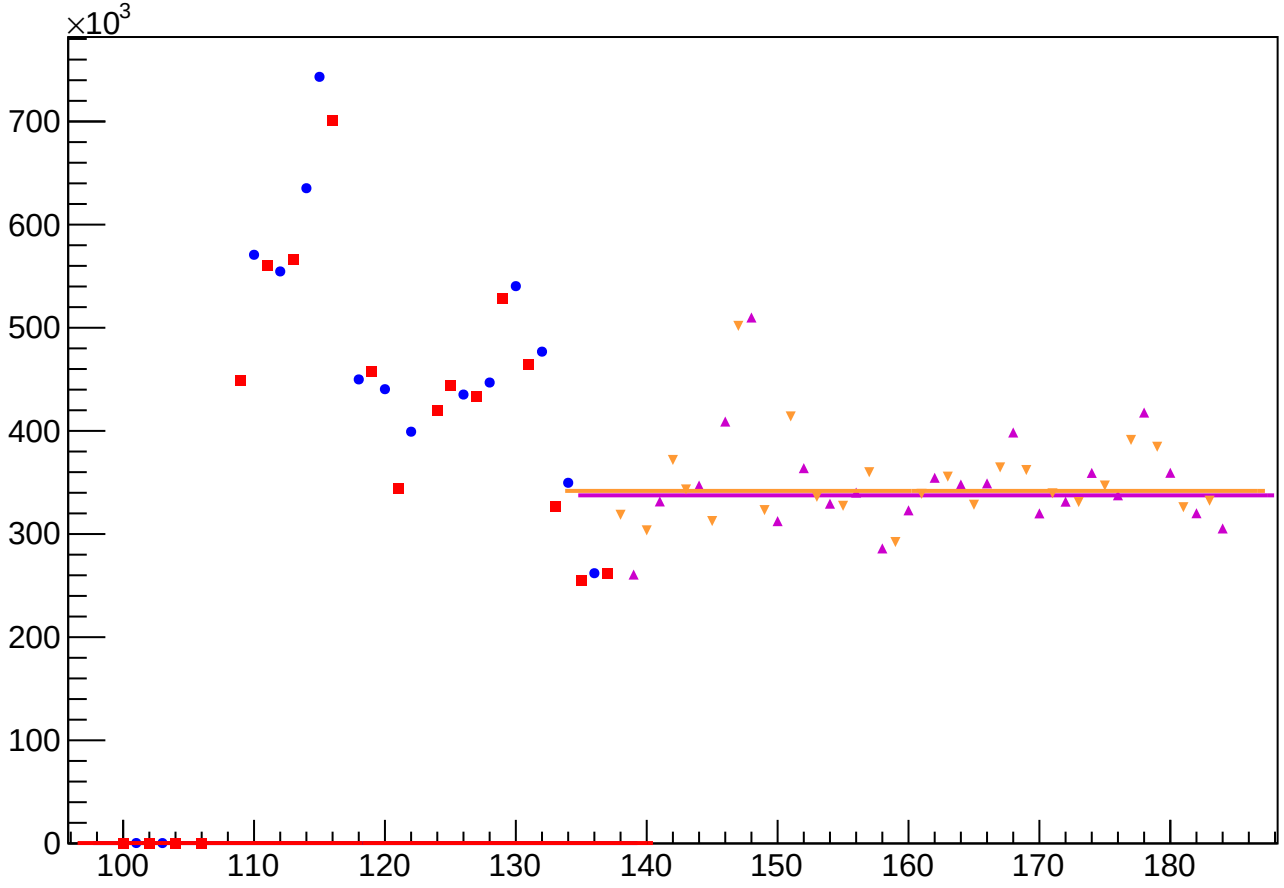
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 32.0/39

All: 0.312+/-0.237 χ^2/NDF: 82.5/81

- sign 0.599+/-0.324 χ^2/NDF: 48.7/41

diff_cav4bY_rms vs Slug



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

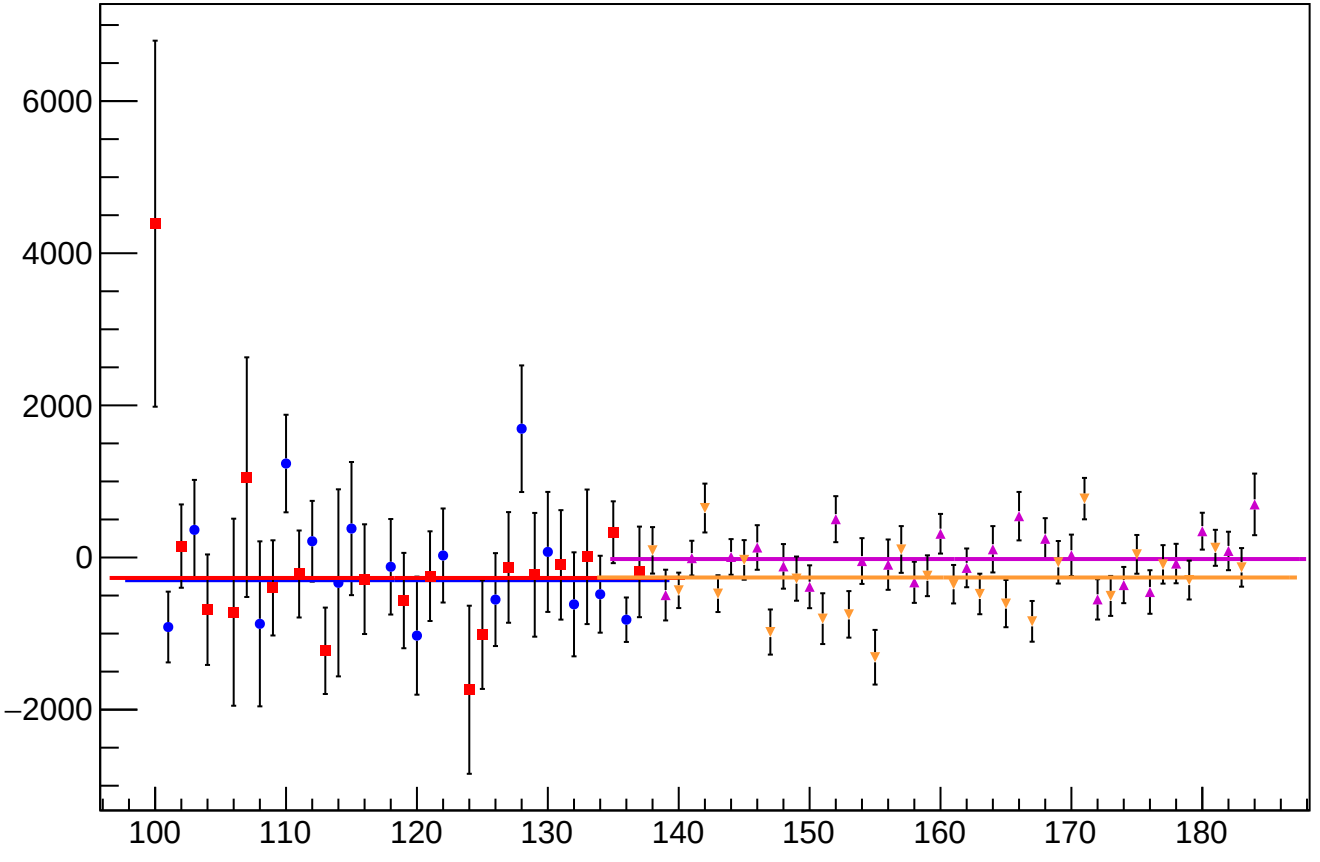
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 396.885+/-0.245 χ^2/NDF: 48986375.2/38

All: 395.095+/-0.167 χ^2/NDF: 96379970.8/79

- sign 393.539+/-0.229 χ^2/NDF: 47393496.3/40

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

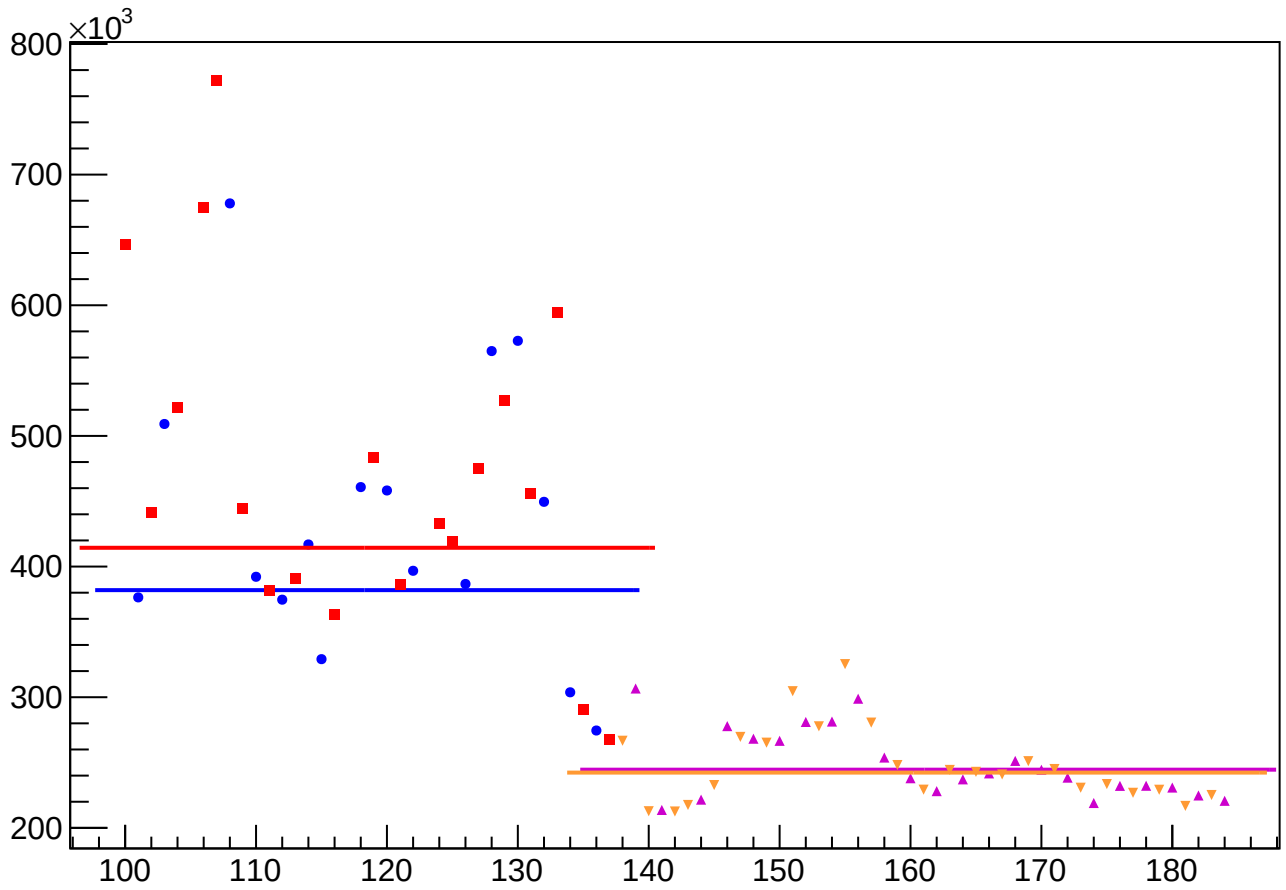
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -267.183+/-52.237 χ^2/NDF: 81.1/39

All: -161.982+/-37.532 χ^2/NDF: 134.2/81

- sign -49.715+/-53.962 χ^2/NDF: 44.7/41



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

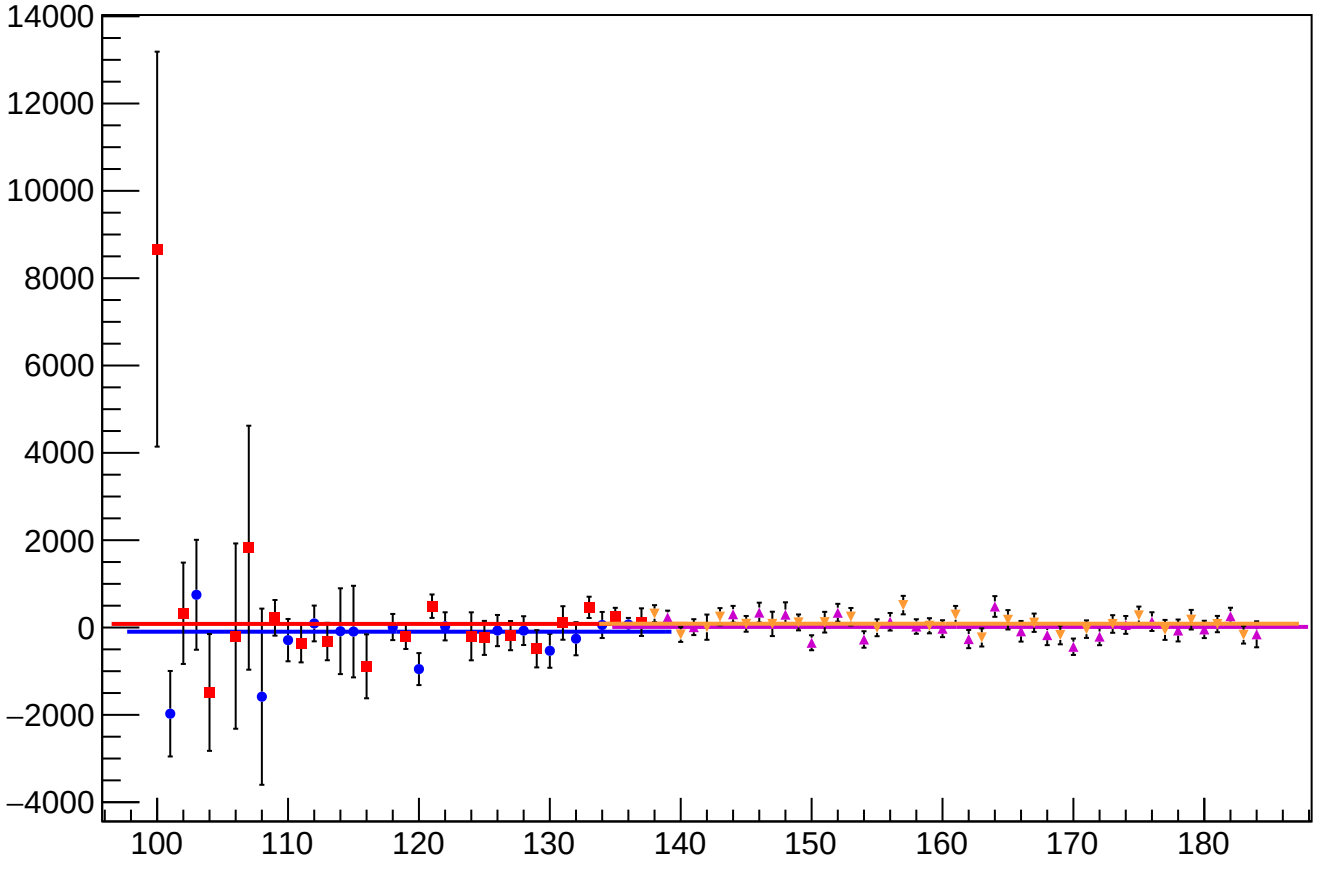
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 259853.367+/-36.938 χ^2/NDF: 2815776.9/39

All: 262200.168+/-26.540 χ^2/NDF: 6018249.

- sign 264704.606+/-38.158 χ^2/NDF: 3194128.6/41

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

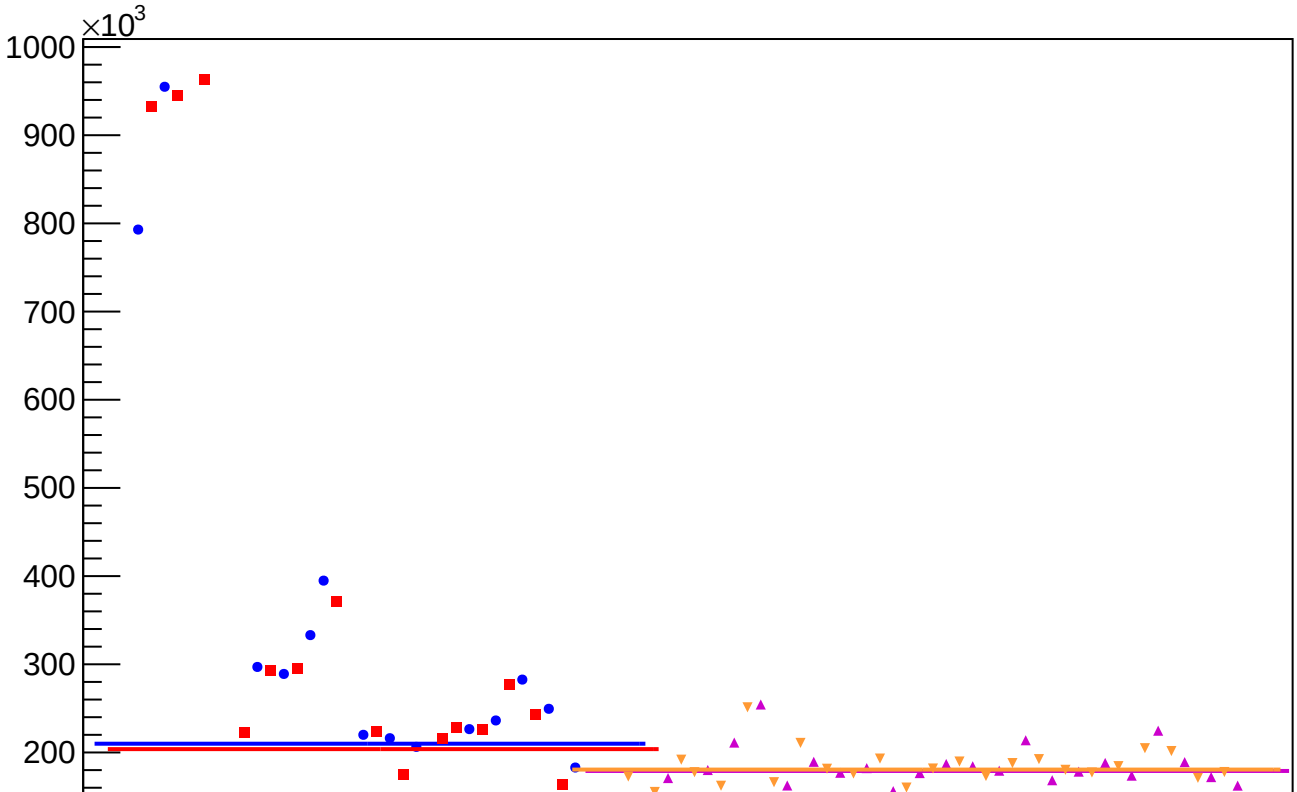
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 53.758+/-37.658 χ^2/NDF: 34.9/39

All: 40.537+/-26.755 χ^2/NDF: 87.9/81

- sign 27.060+/-38.019 χ^2/NDF: 52.8/41

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

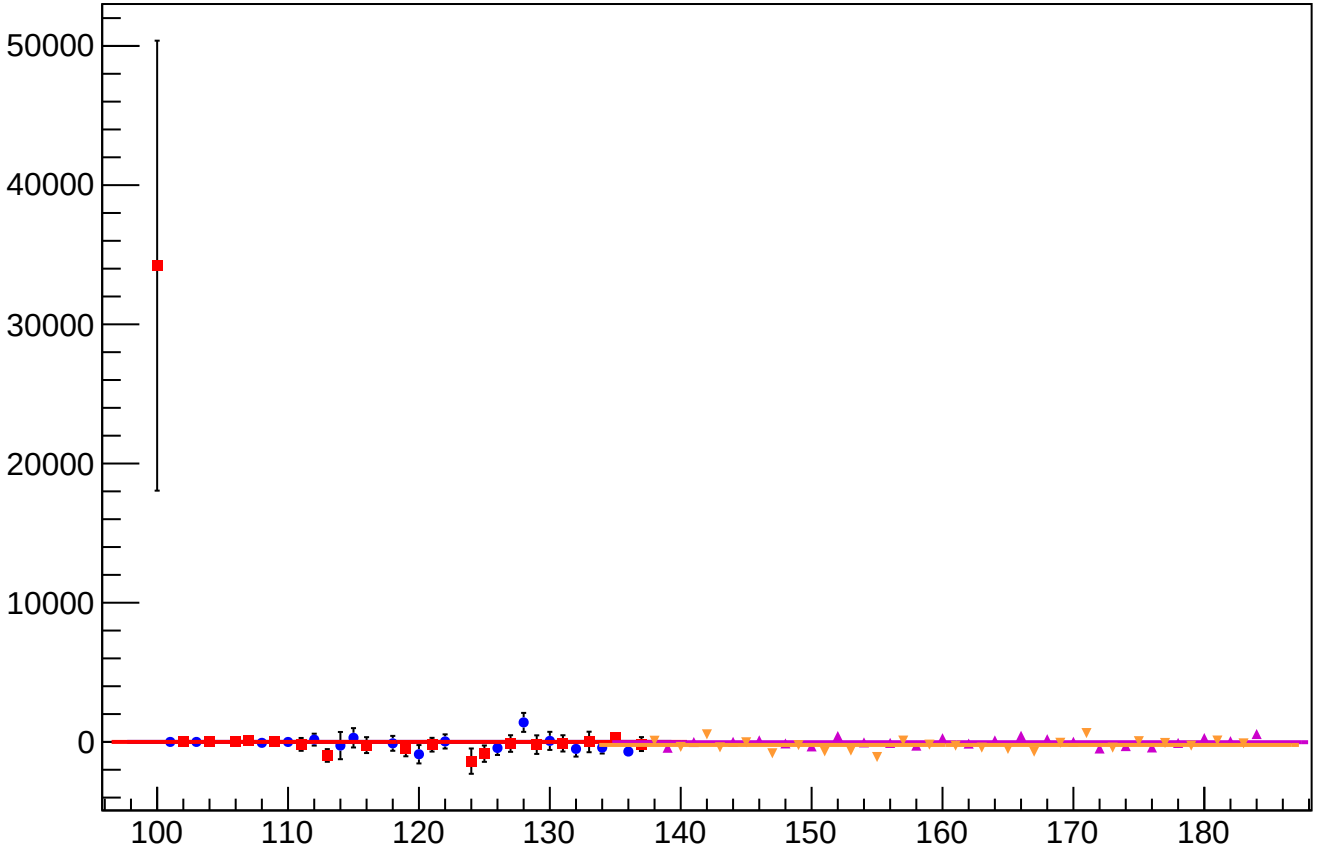
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 185911.697+/-26.637 χ^2/NDF: 2482560.8/38

All: 184817.308+/-18.926 χ^2/NDF: 5187754.

- sign 183701.478+/-26.896 χ^2/NDF: 2701784.1/39

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

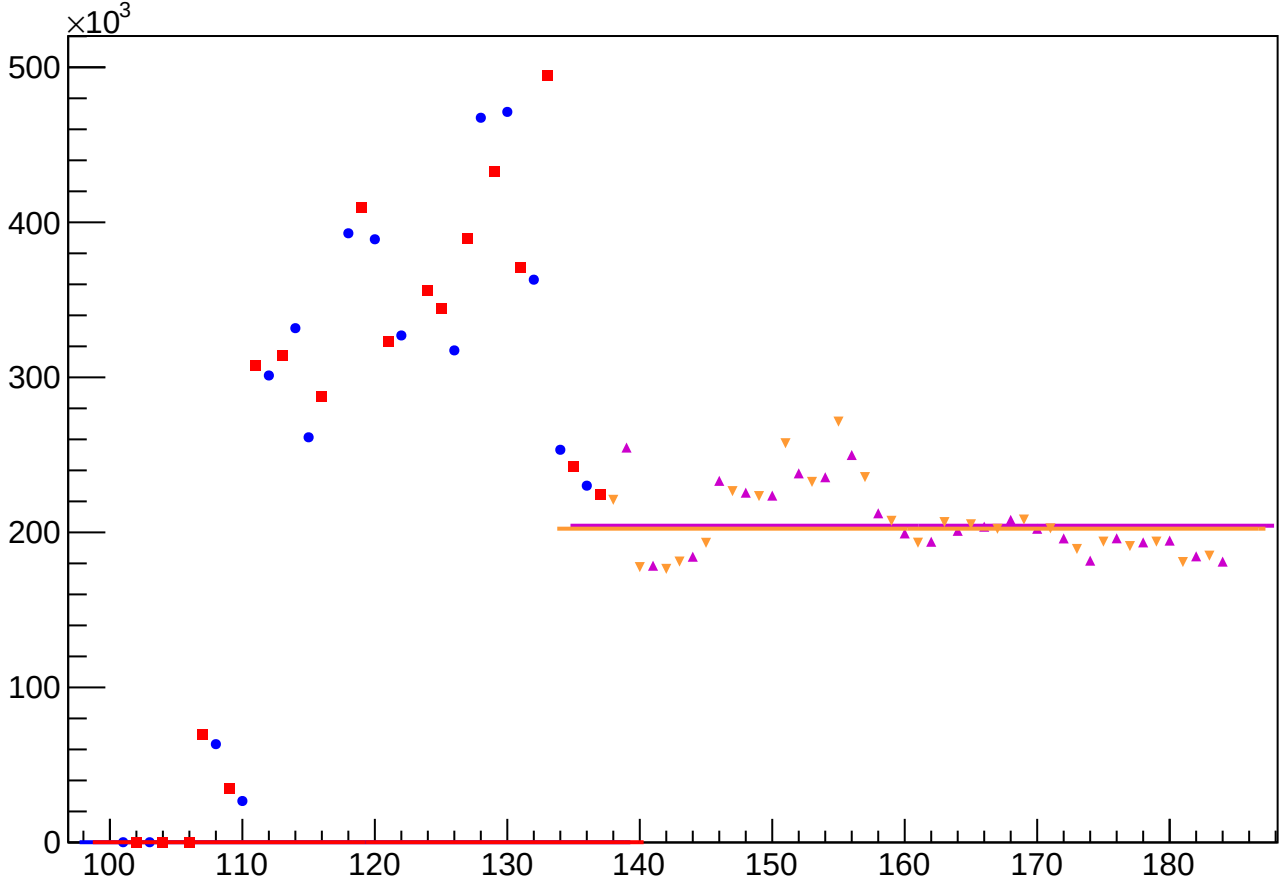
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 99.5/39

All: -0.208+/-0.117 χ^2/NDF: 146.6/81

- sign -0.355+/-0.160 χ^2/NDF: 45.2/41

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

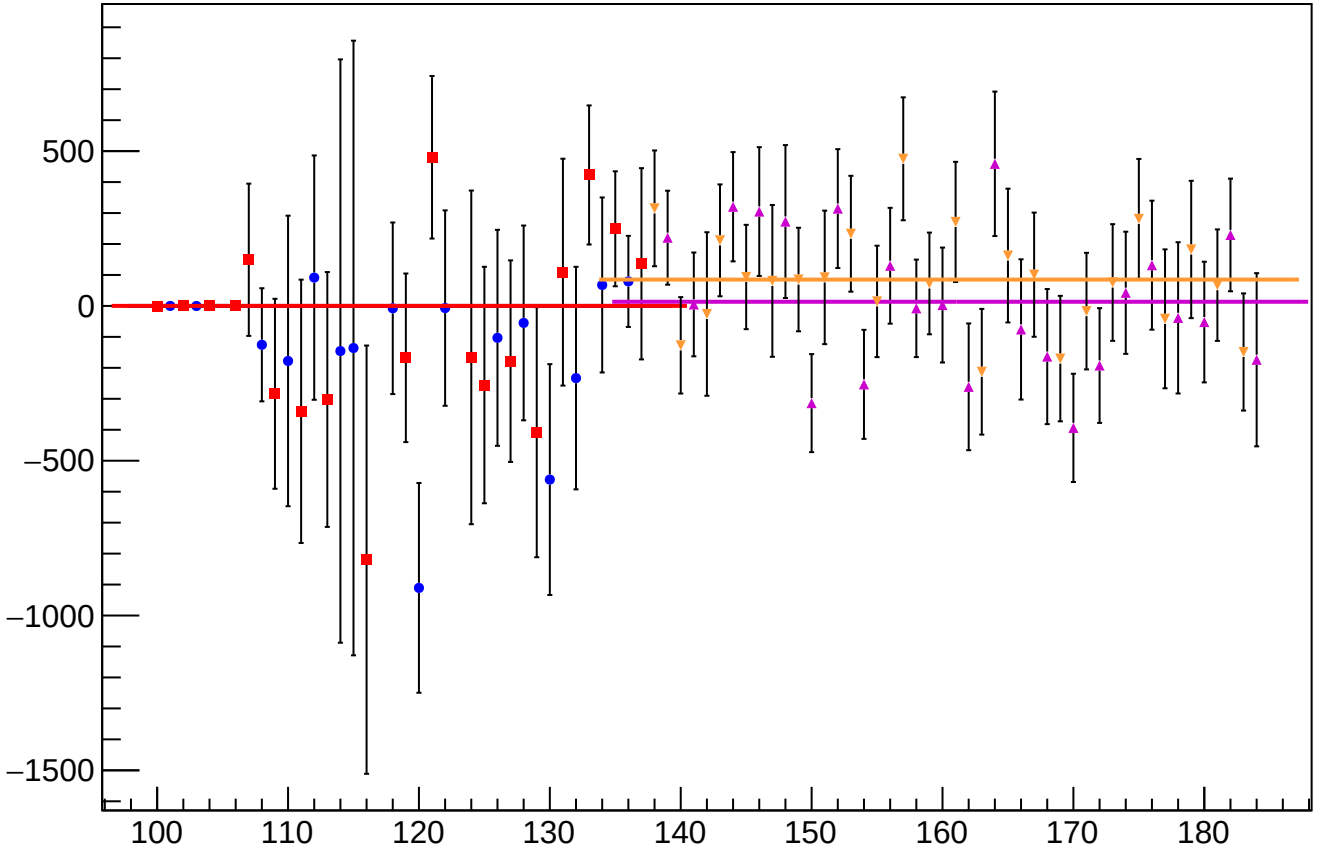
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 151.847+/-0.122 χ^2/NDF: 49281547.6/39

All: 151.740+/-0.083 χ^2/NDF: 97073042.0/80

- sign 151.647+/-0.113 χ^2/NDF: 47791493.0/40

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

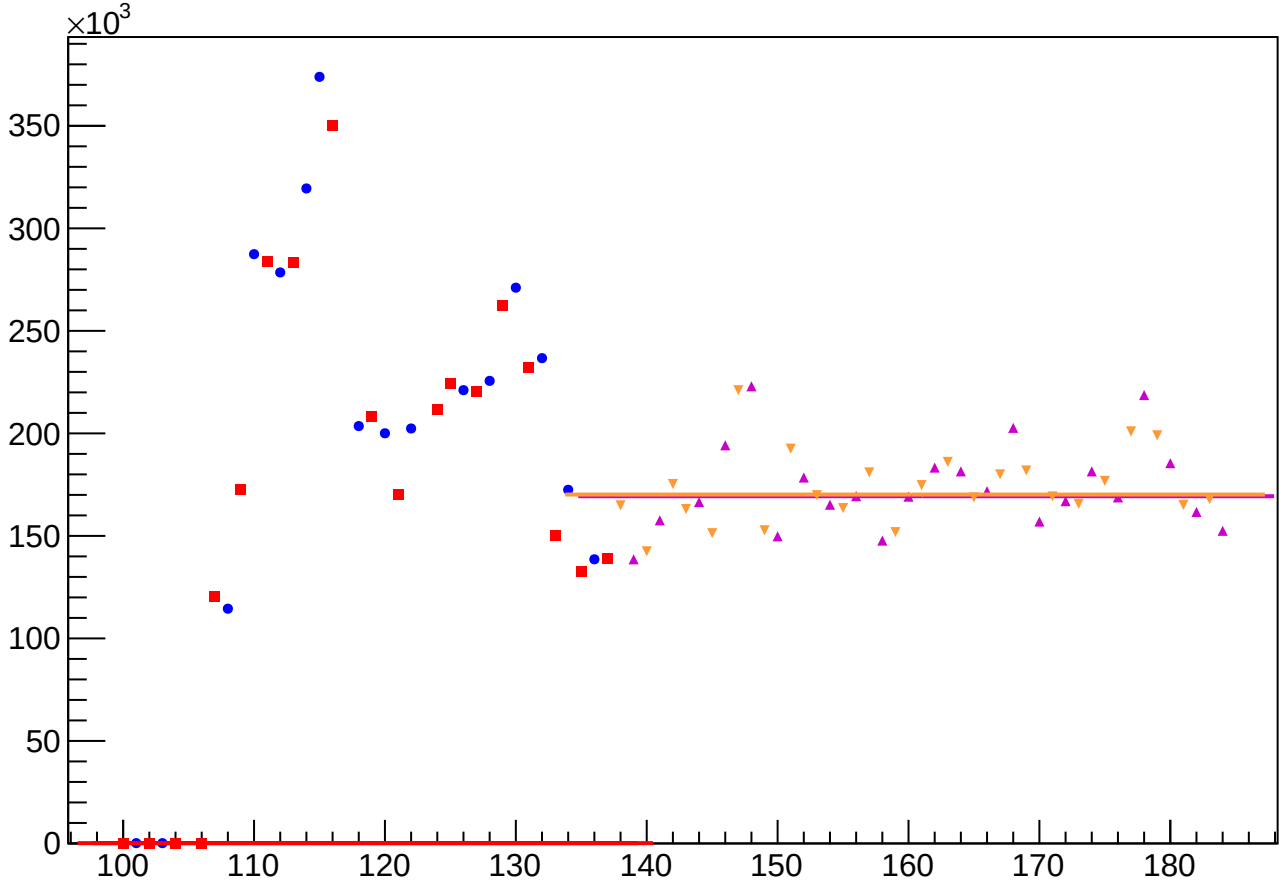
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 32.8/39

All: 0.036+/-0.121 χ^2/NDF: 81.4/81

- sign 0.126+/-0.166 χ^2/NDF: 48.0/41

diff_cav4dY_rms vs Slug



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

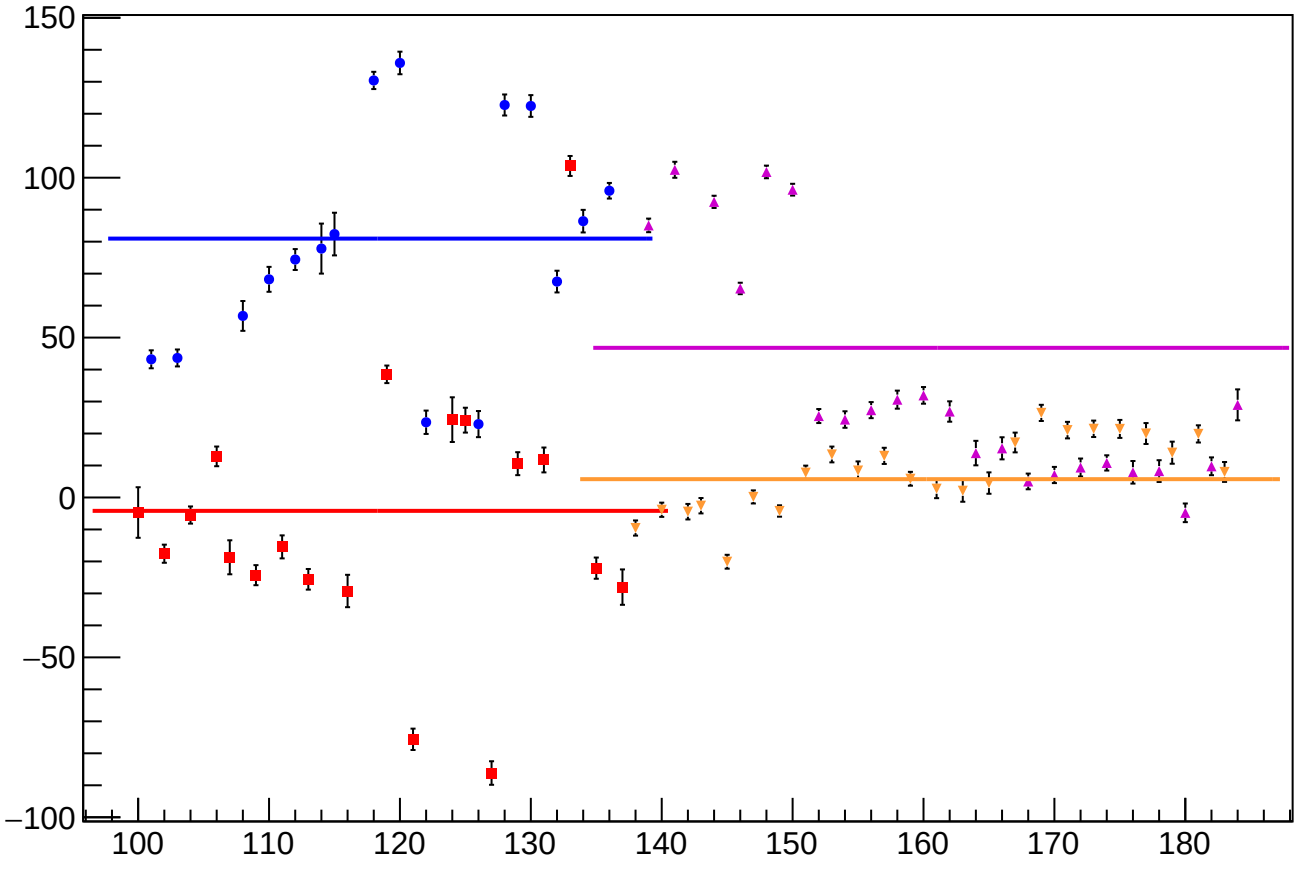
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 156.928+/-0.125 χ^2/NDF: 49799931.2/39

All: 158.081+/-0.086 χ^2/NDF: 97515990.4/81

- sign 159.099+/-0.118 χ^2/NDF: 47715899.7/41

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

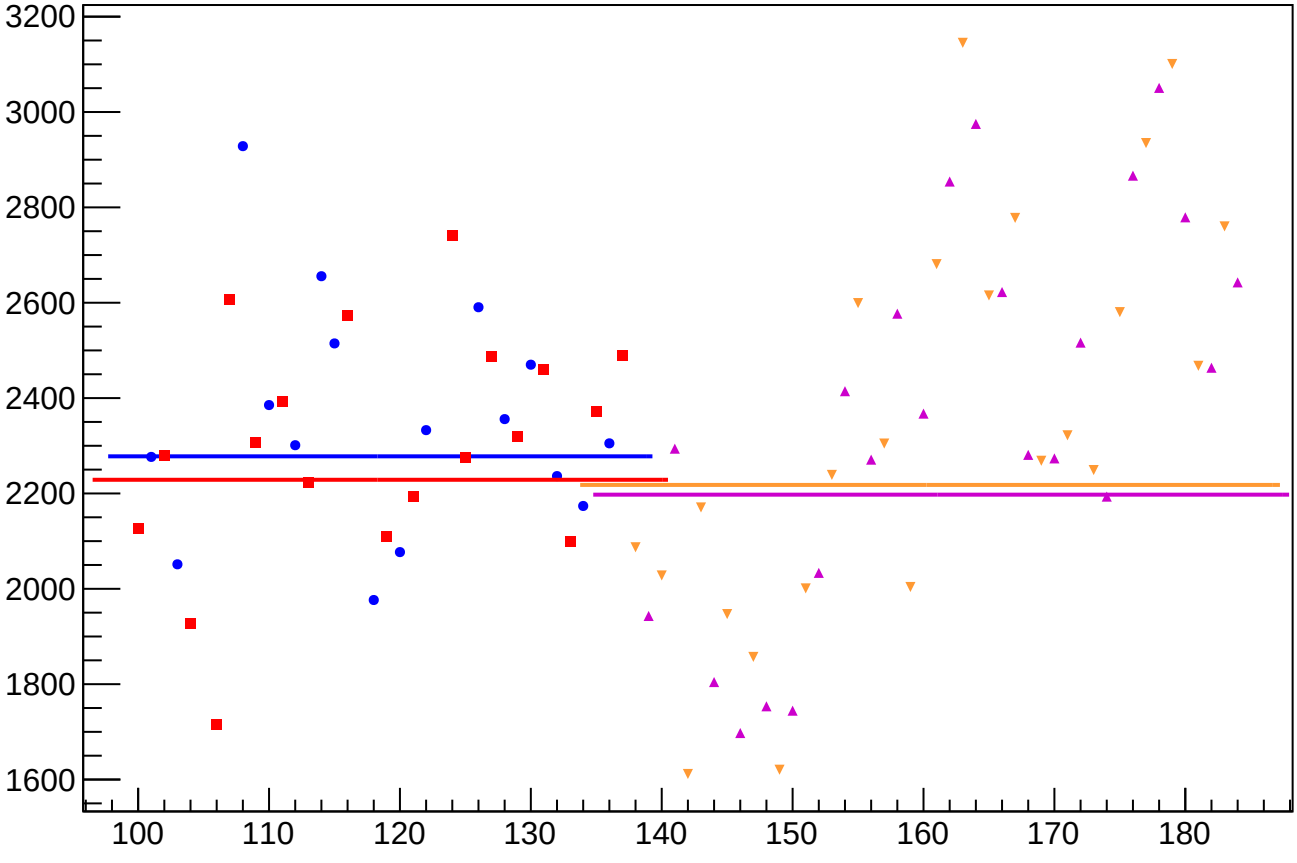
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 25.970+/-0.442 χ^2/NDF: 8049.1/39

All: 28.983+/-0.312 χ^2/NDF: 18779.7/81

- sign 31.998+/-0.442 χ^2/NDF: 10637.5/41

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

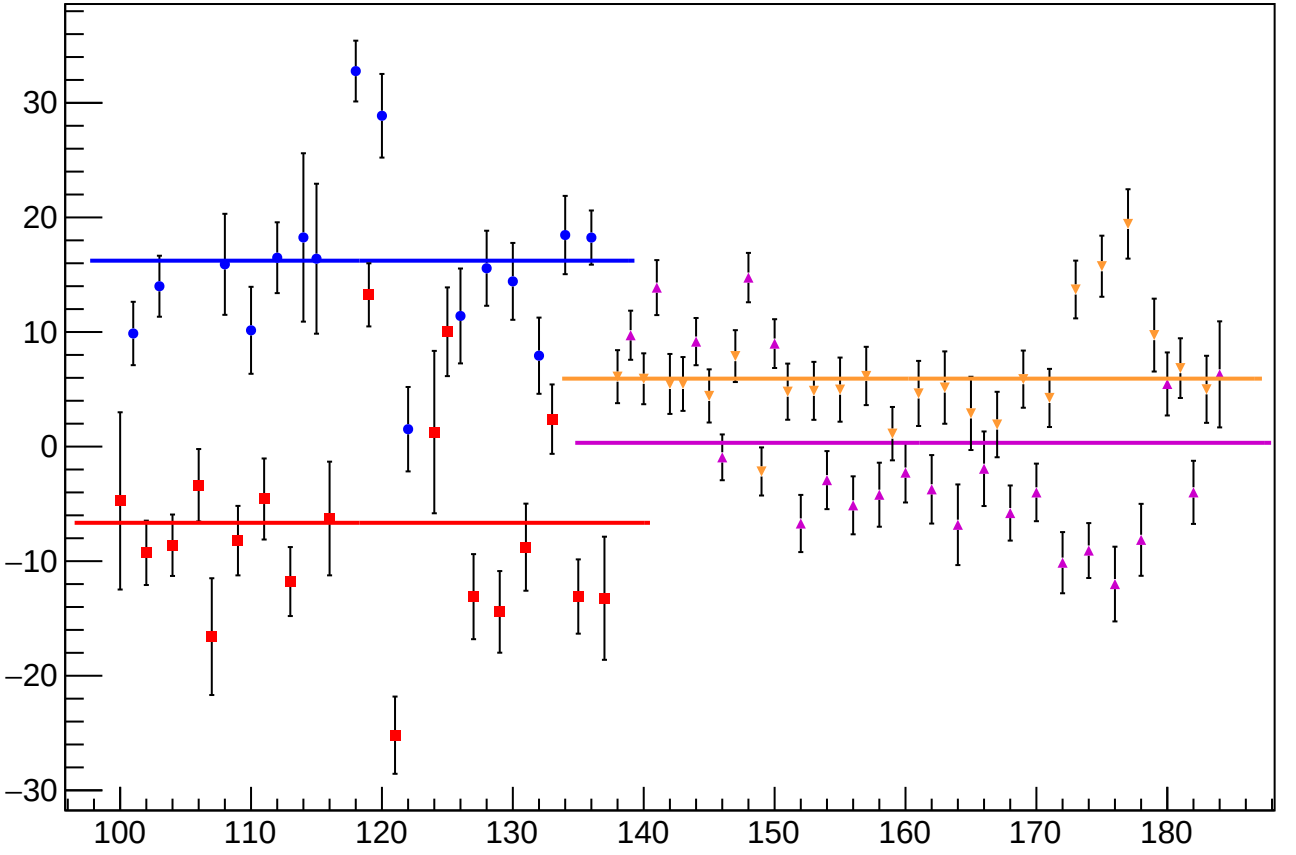
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2234.032+/-0.312 χ^2/NDF: 1295957.2/39

All: 2220.288+/-0.221 χ^2/NDF: 2557687.9/81

- sign 2206.533+/-0.312 χ^2/NDF: 1257855.8/41

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

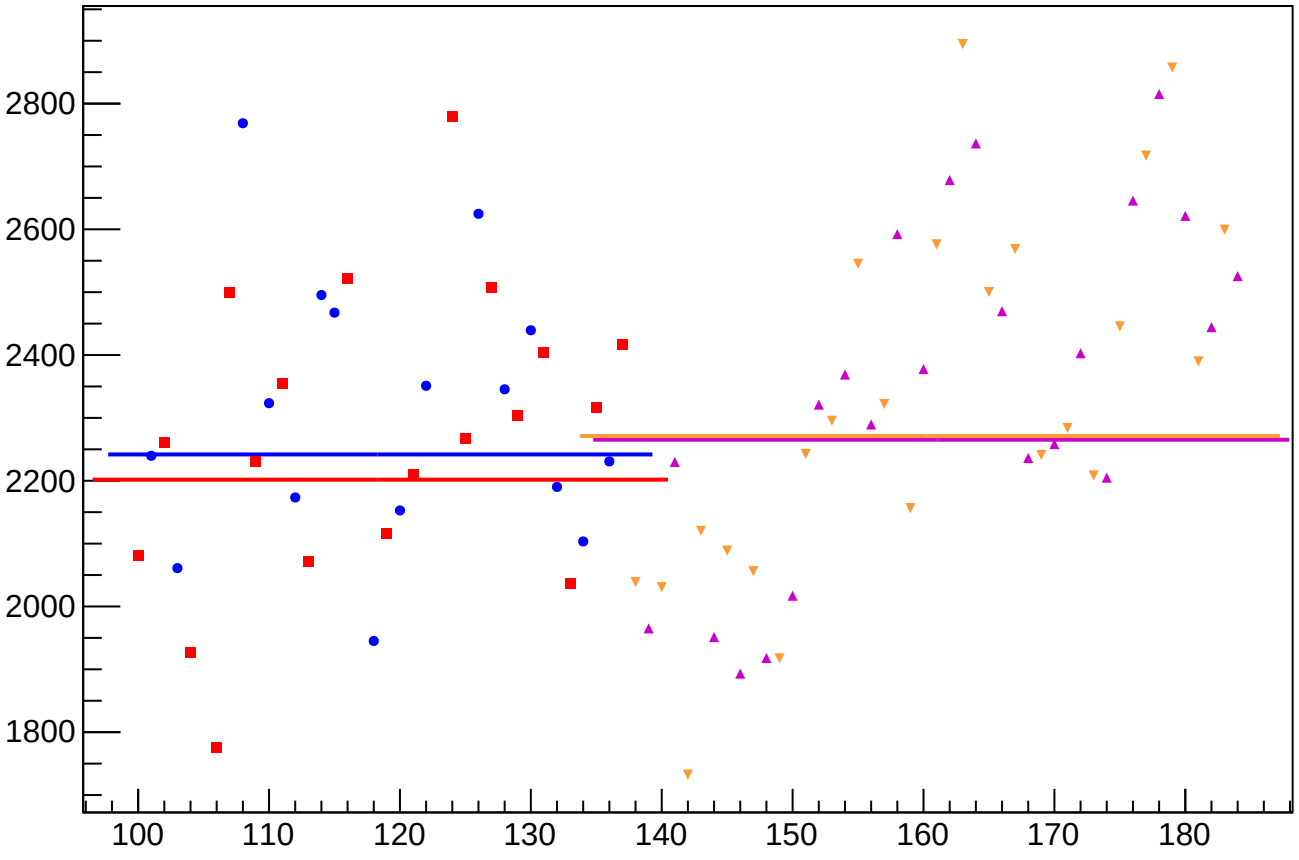
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.825+/-0.444 χ^2/NDF: 262.2/39

All: 3.540+/-0.315 χ^2/NDF: 958.0/81

- sign -1.792+/-0.446 χ^2/NDF: 411.3/41



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2271.144+/-0.370 χ^2/NDF:532932.1/23

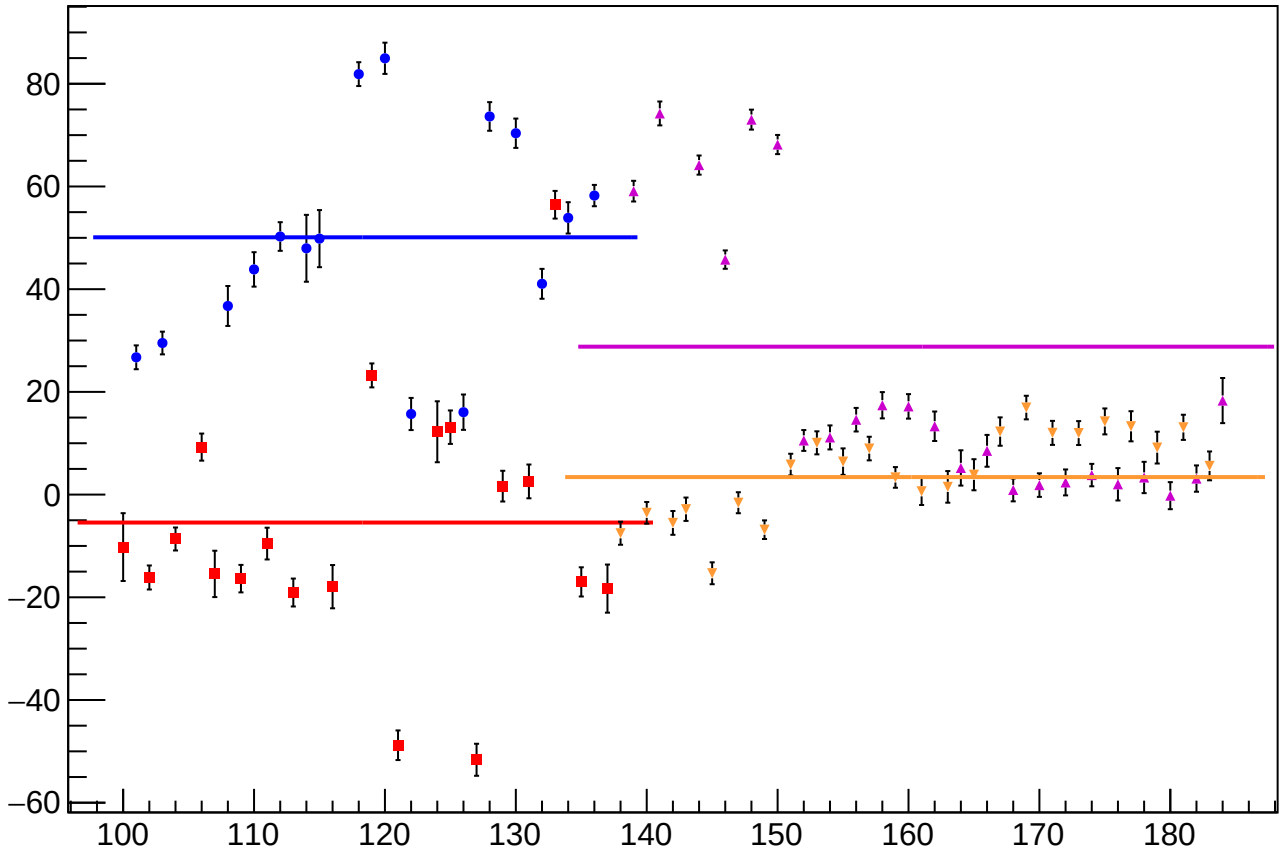
Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2262.909+/-0.314 χ^2/NDF: 636951.1/39

All: 2254.472+/-0.223 χ^2/NDF: 1272677.5/81

- sign 2245.962+/-0.315 χ^2/NDF: 634276.5/41



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

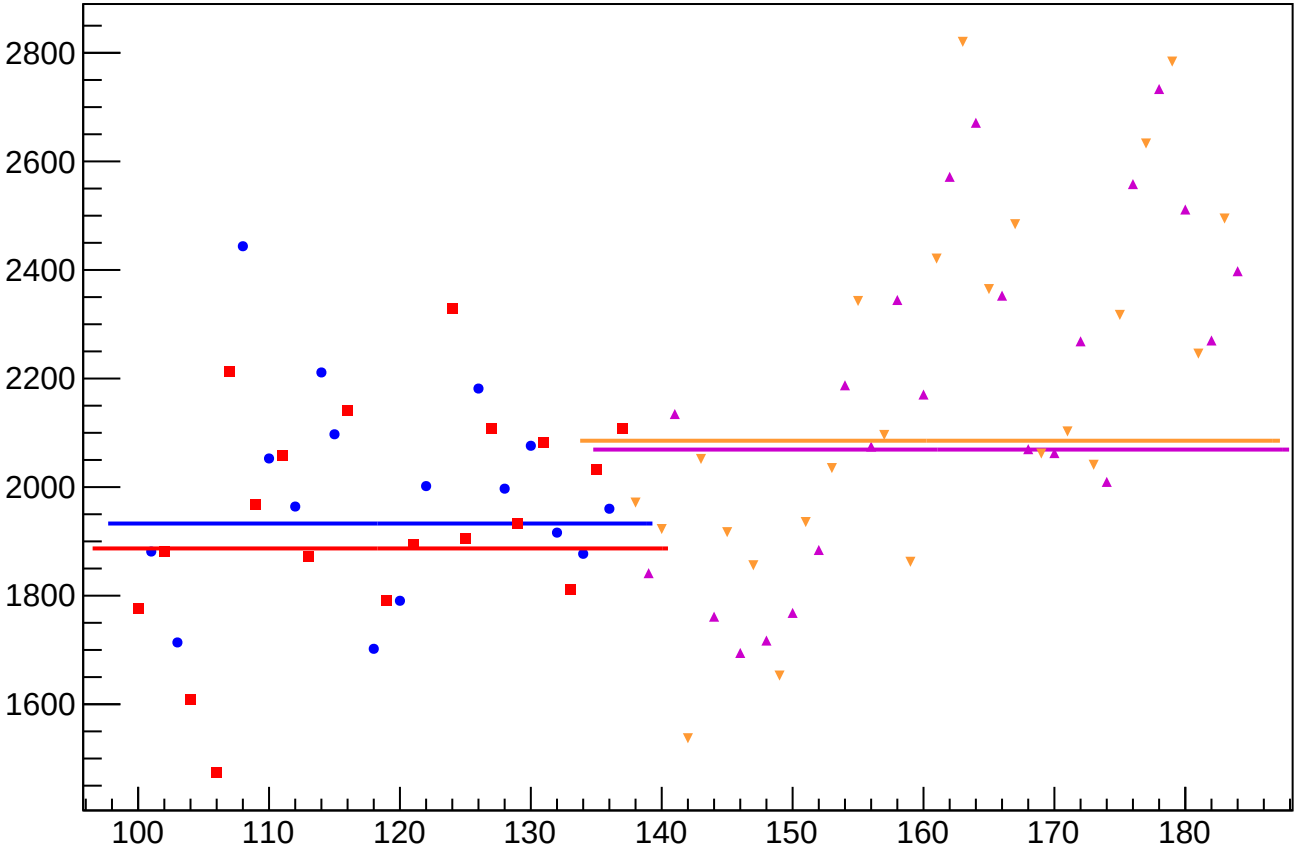
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 17.837+/-0.401 χ^2/NDF: 4090.2/39

All: 17.613+/-0.284 χ^2/NDF: 10287.3/81

\- sign 17.390+/-0.401 χ^2/NDF: 6196.5/41

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

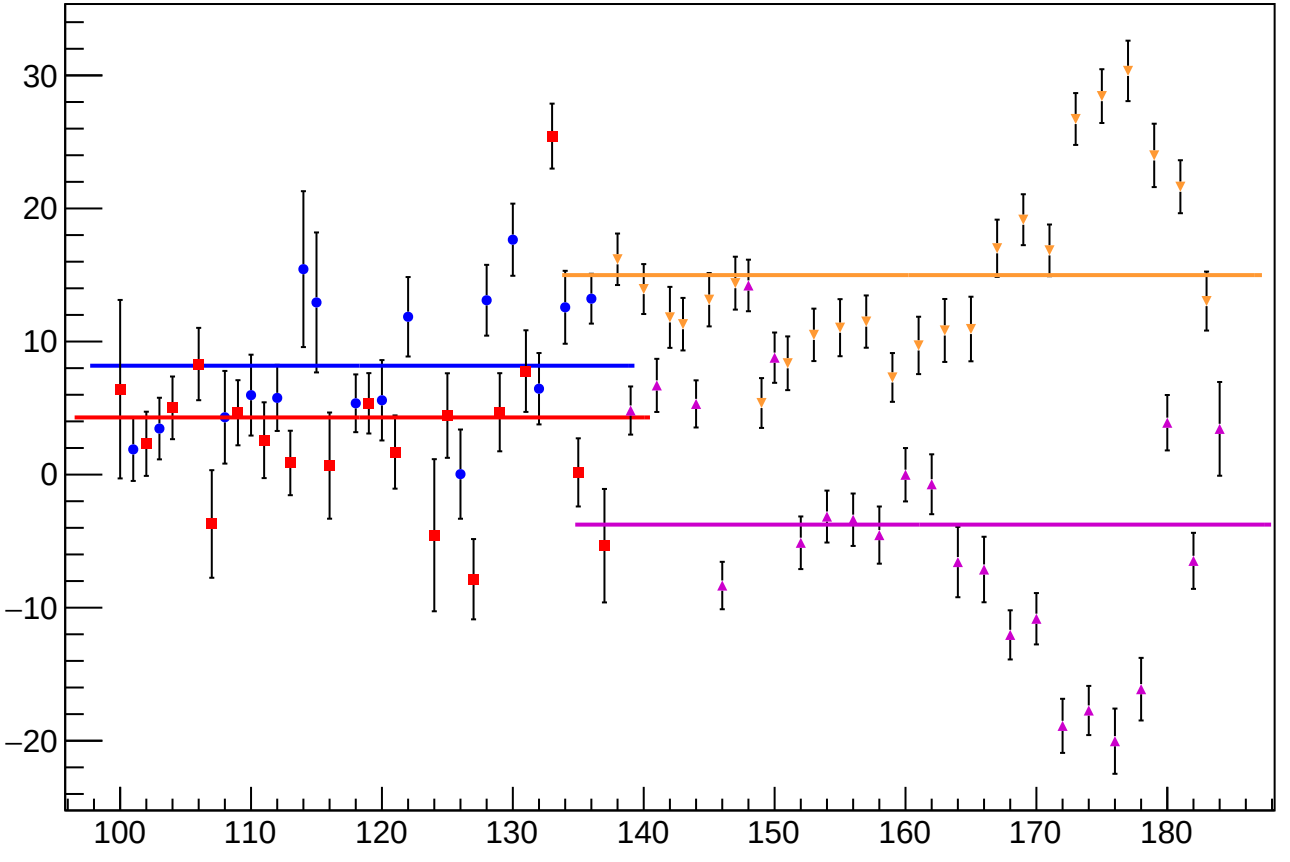
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 2038.311+/-0.284 χ^2/NDF: 948334.8/39

All: 2023.344+/-0.201 χ^2/NDF: 1906881.9/81

- sign 2008.423+/-0.283 χ^2/NDF: 952994.9/41

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 14.992+/-0.418 χ^2/NDF:244.3/23

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

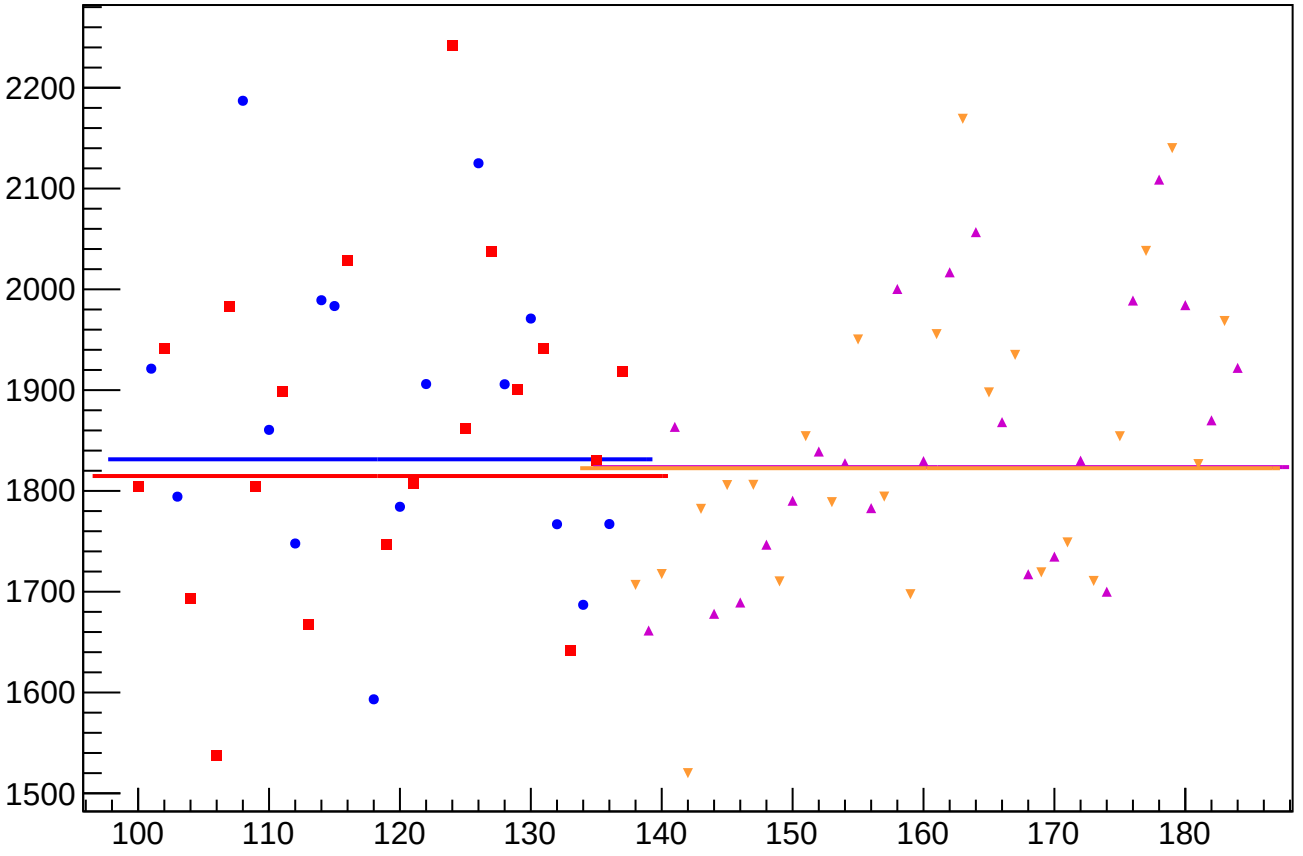
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.137+/-0.357 χ^2/NDF: 368.5/39

All: 5.929+/-0.253 χ^2/NDF: 1868.3/81

- sign -1.403+/-0.360 χ^2/NDF: 676.7/41

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

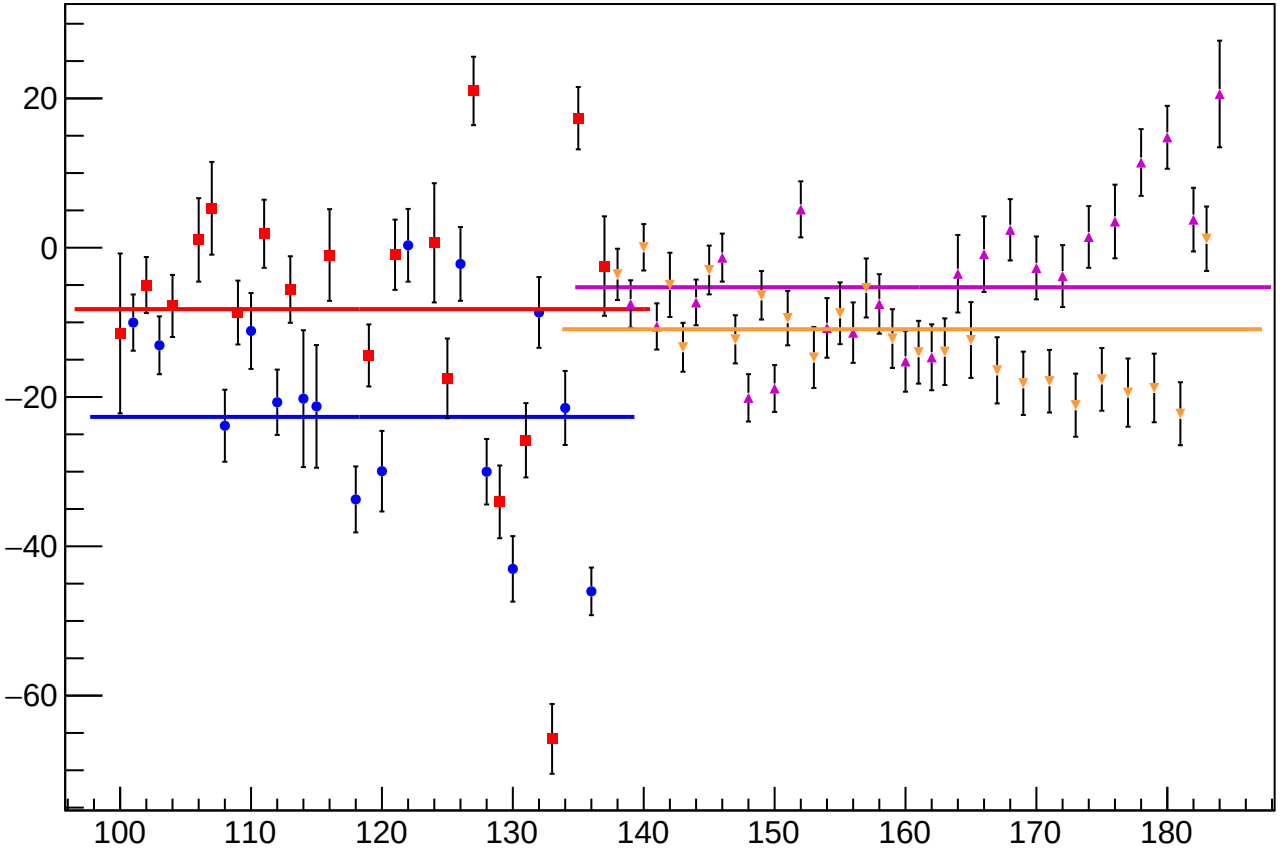
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1824.933+/-0.252 χ^2/NDF: 297651.8/39

All: 1823.002+/-0.179 χ^2/NDF: 552527.3/81

- sign 1821.038+/-0.254 χ^2/NDF: 254757.3/41

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

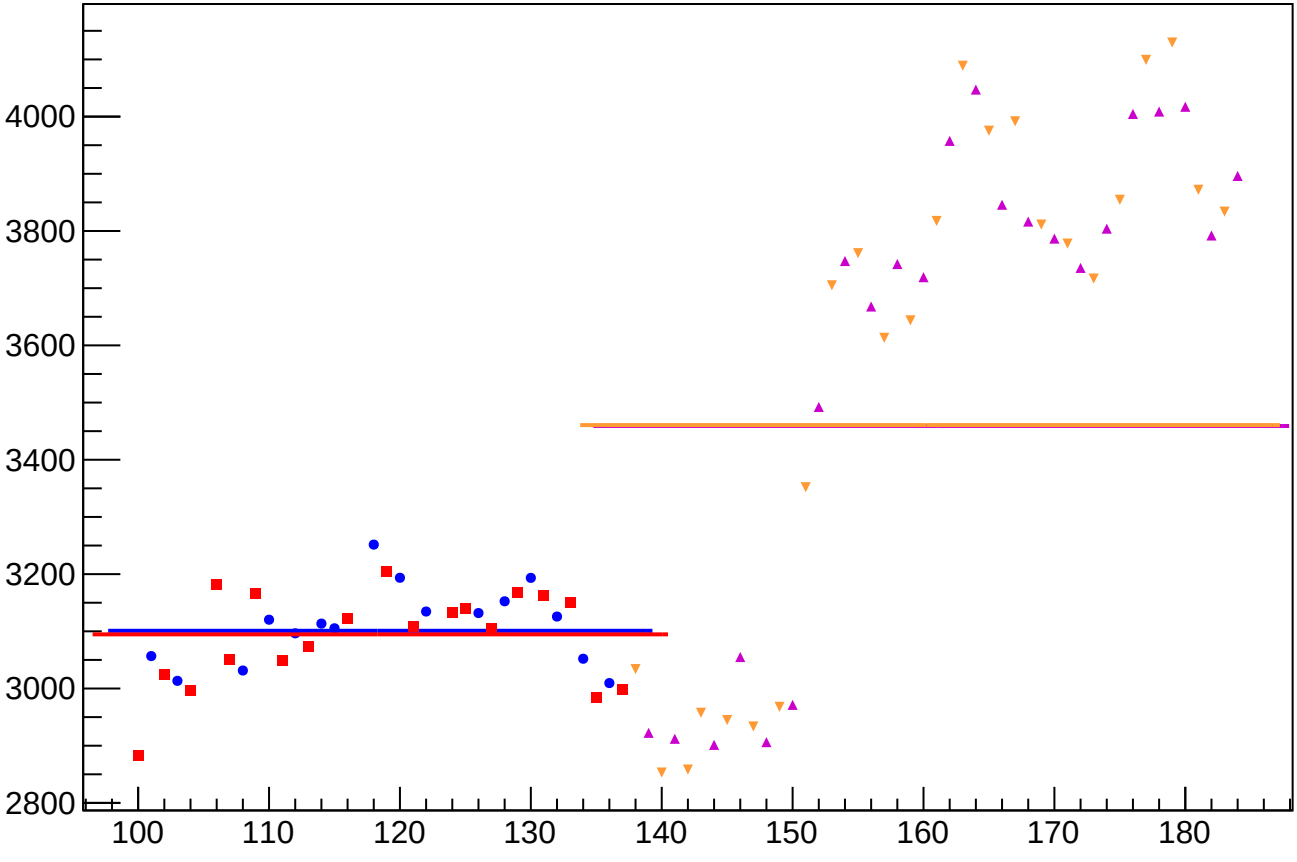
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -14.726+/-0.656 χ^2/NDF: 296.4/39

All: -10.538+/-0.465 χ^2/NDF: 811.3/81

- sign -6.295+/-0.660 χ^2/NDF: 432.9/41

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

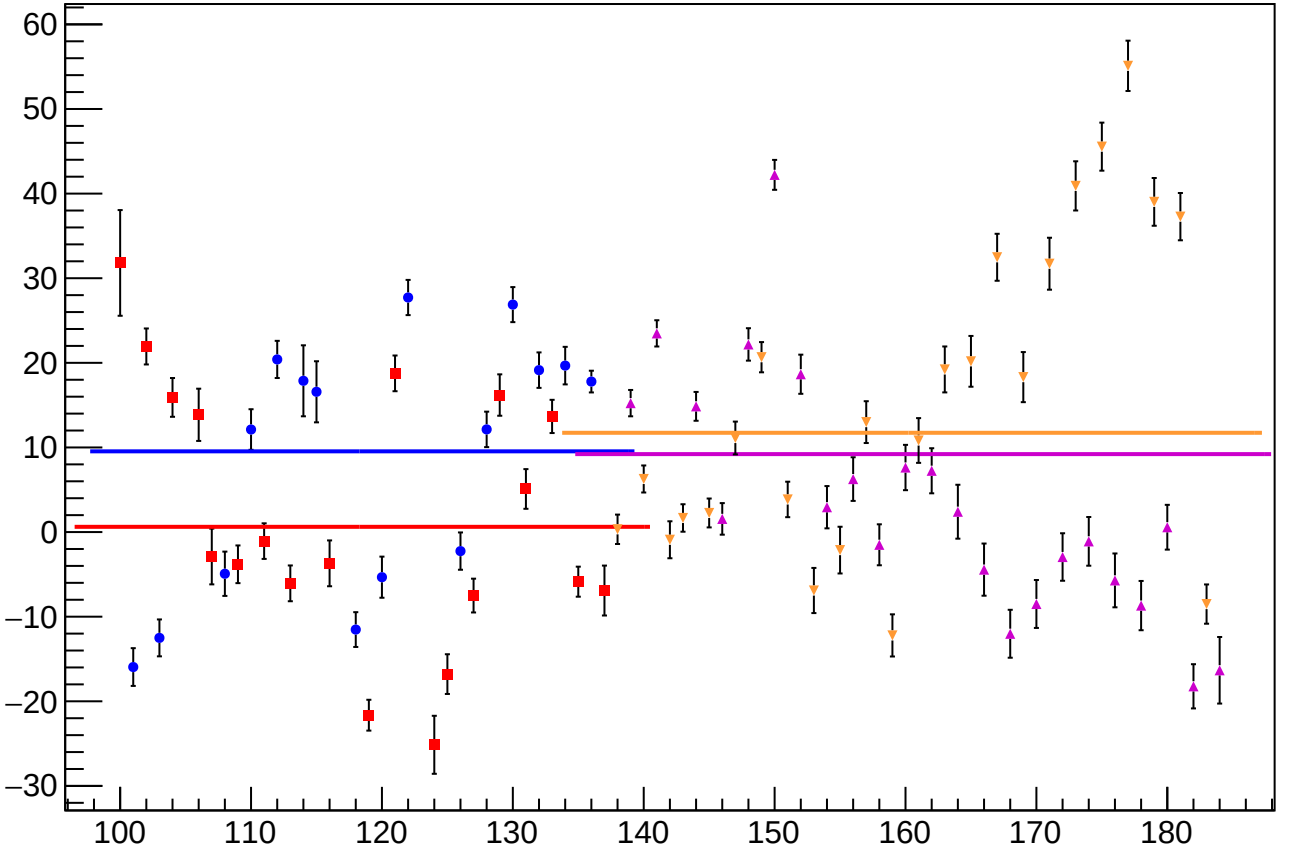
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3343.920+/-0.464 χ^2/NDF: 778322.5/39

All: 3339.159+/-0.329 χ^2/NDF: 1507484.8/81

- sign 3334.336+/-0.467 χ^2/NDF: 728950.4/41

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

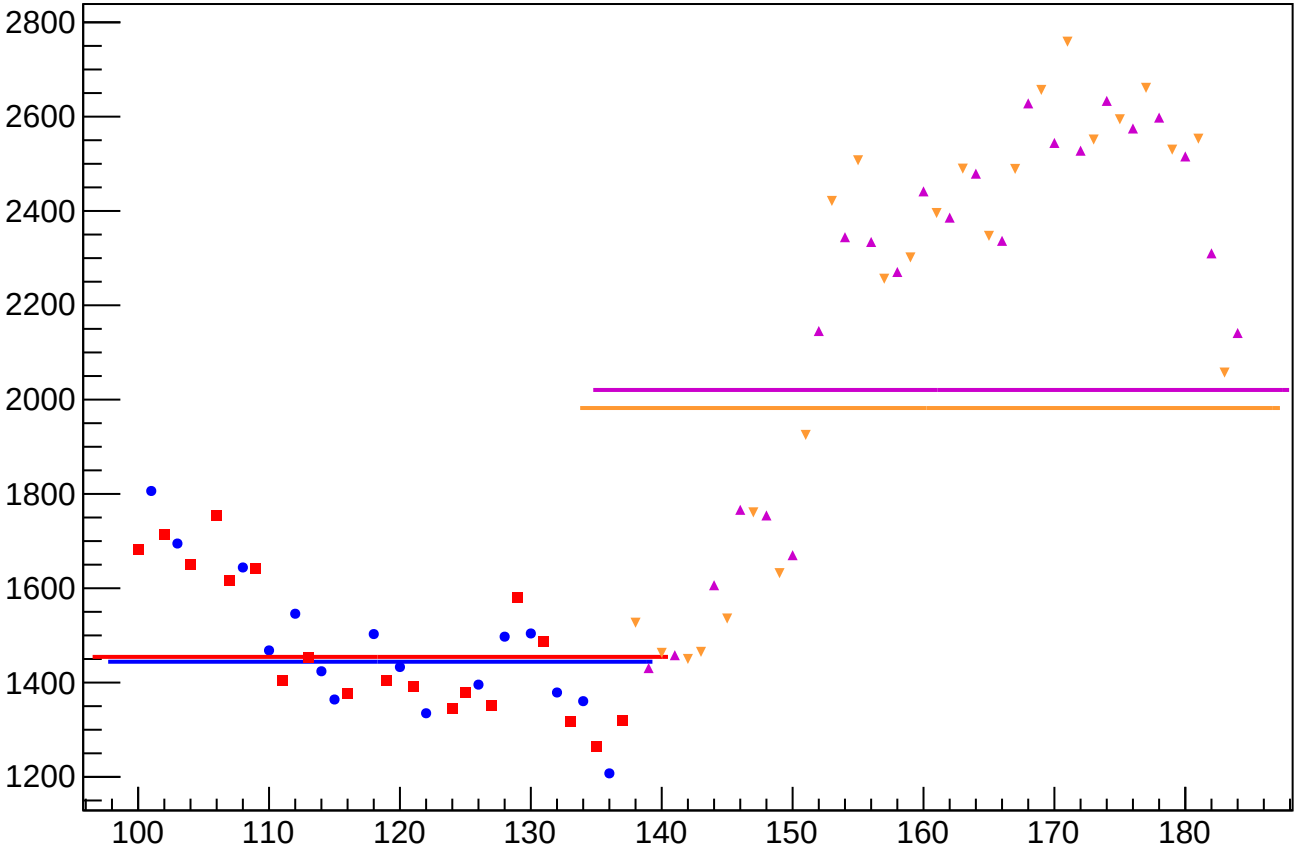
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 10.798+/-0.353 χ^2/NDF: 1899.0/39

All: 8.109+/-0.252 χ^2/NDF: 3765.2/81

\- sign 5.340+/-0.359 χ^2/NDF: 1748.6/41

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

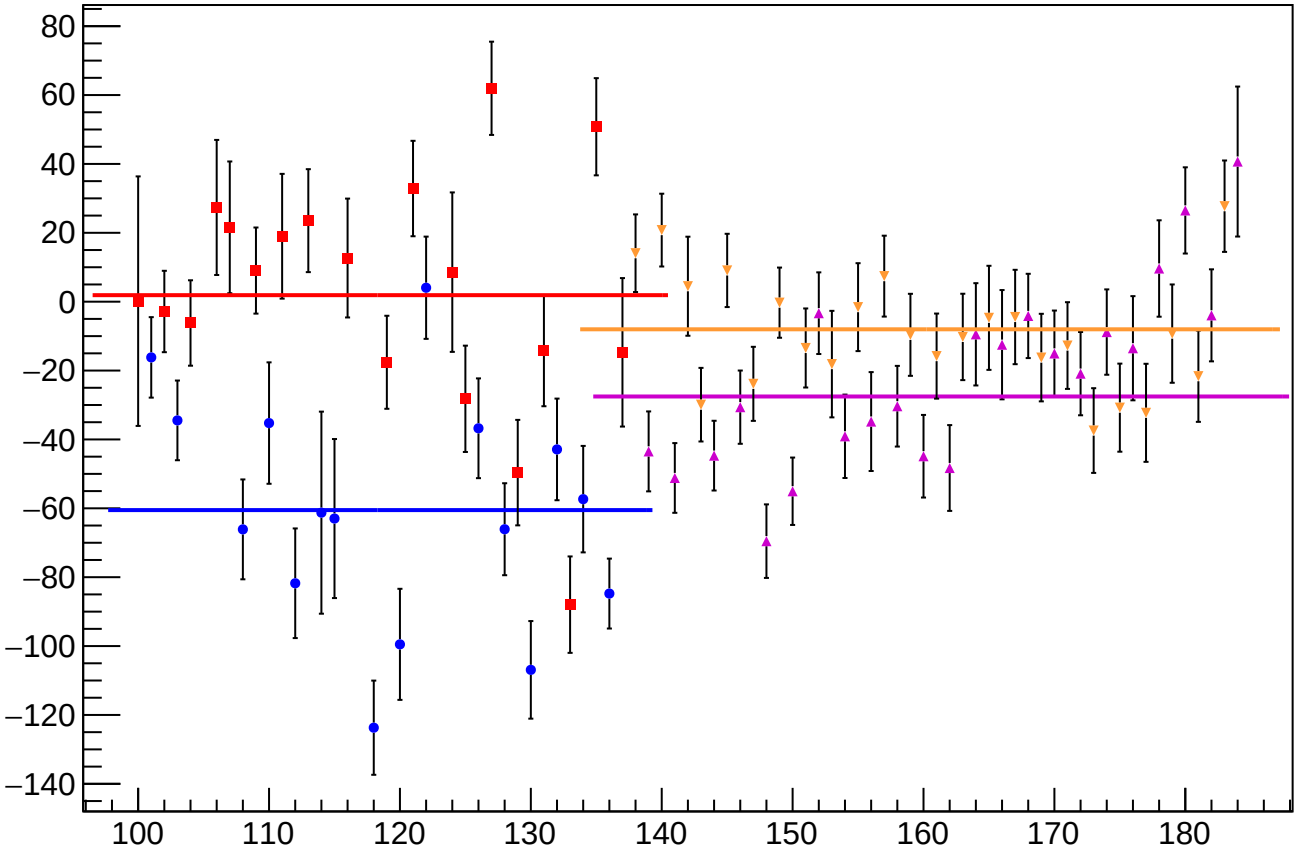
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1752.853+/-0.250 χ^2/NDF: 3290940.6/39

All: 1759.020+/-0.178 χ^2/NDF: 6283326.0/81

- sign 1765.369+/-0.254 χ^2/NDF: 2991149.4/41

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

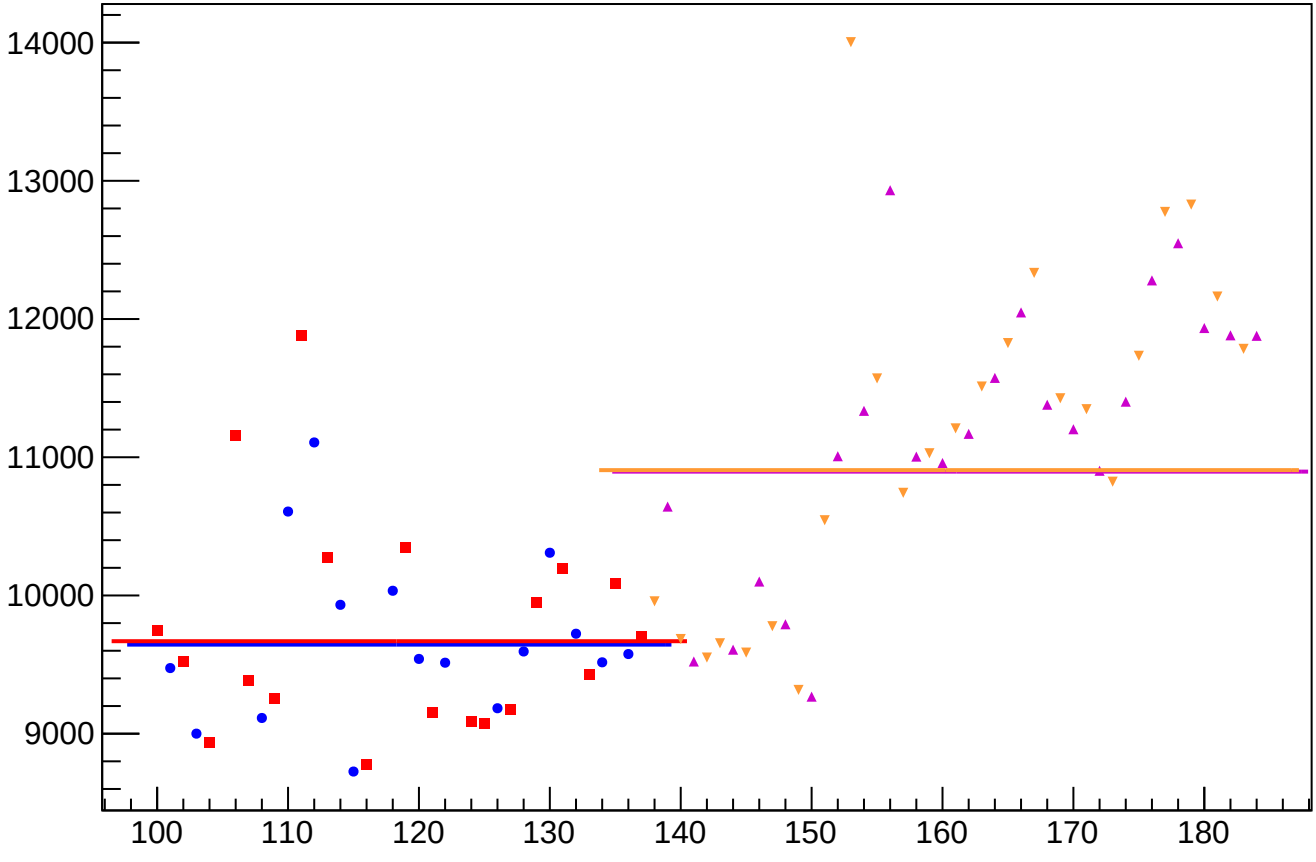
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -25.211+/-2.058 χ^2/NDF: 279.0/39

All: -21.361+/-1.461 χ^2/NDF: 528.3/81

- sign -17.454+/-2.073 χ^2/NDF: 242.2/41

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10906.700+/-1.774 χ^2/NDF:422483.3/23

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

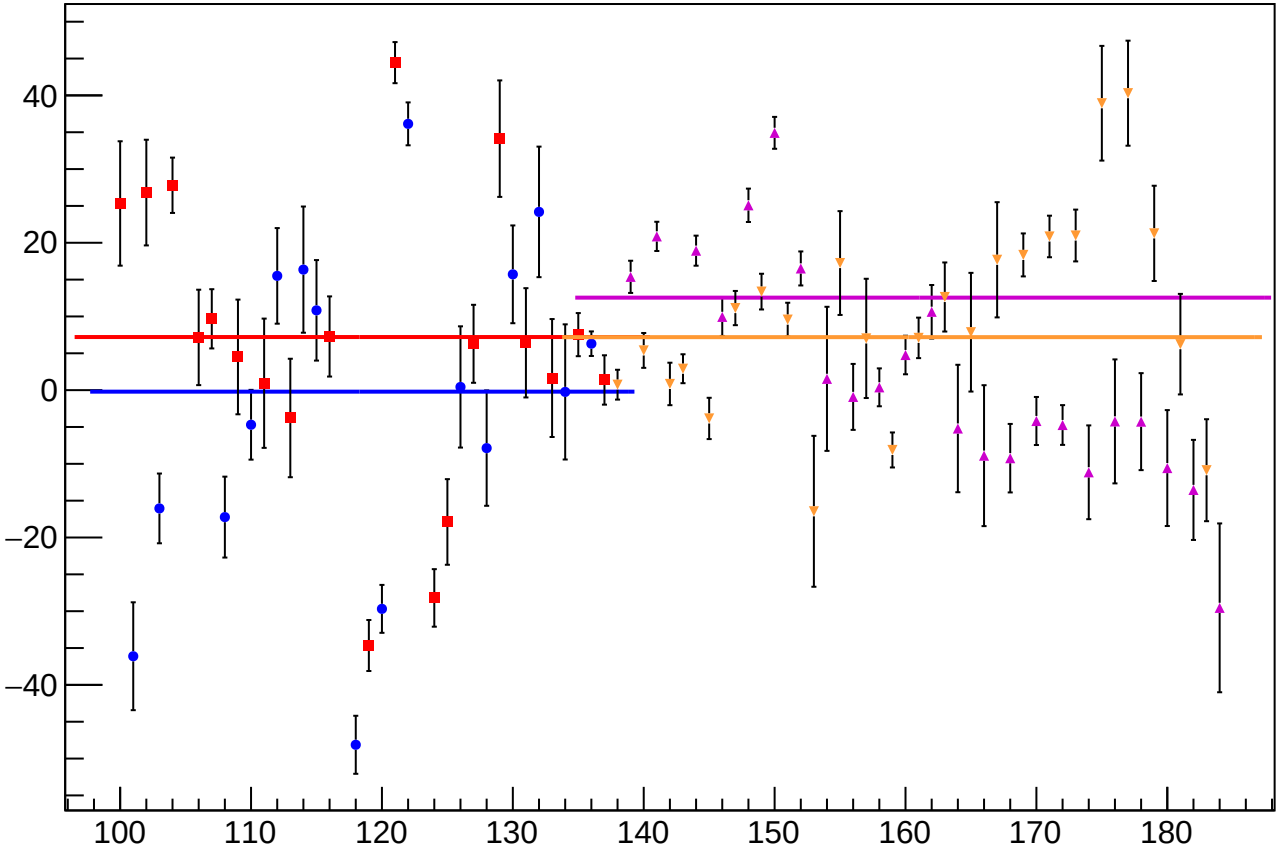
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10493.331+/-1.455 χ^2/NDF: 632302.2/39

All: 10484.684+/-1.033 χ^2/NDF: 1168026.1/8

- sign 10475.910+/-1.466 χ^2/NDF: 535652.8/41

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

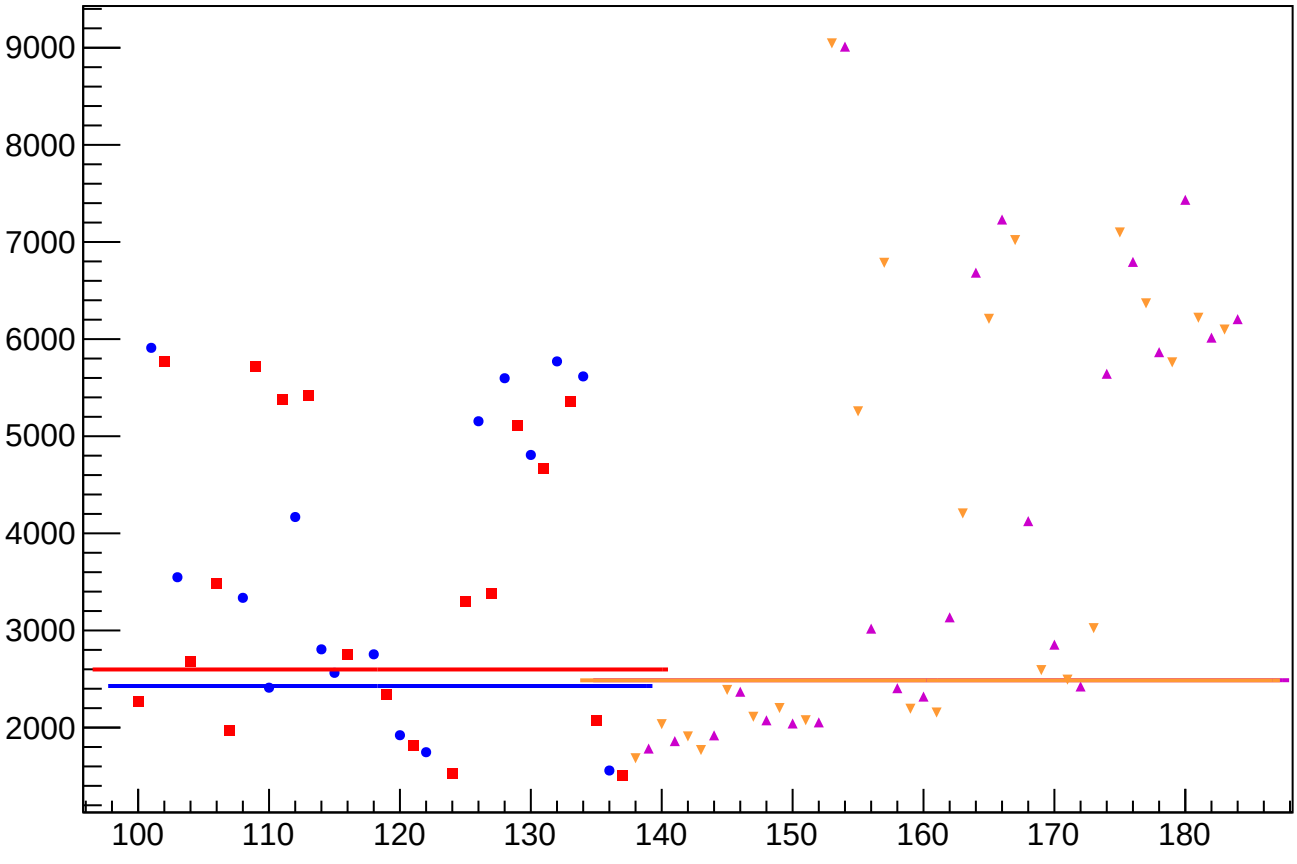
Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 5.108+/-0.555 χ^2/NDF: 711.4/39

All: 8.054+/-0.395 χ^2/NDF: 1644.3/81

- sign 11.085+/-0.563 χ^2/NDF: 875.7/41



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

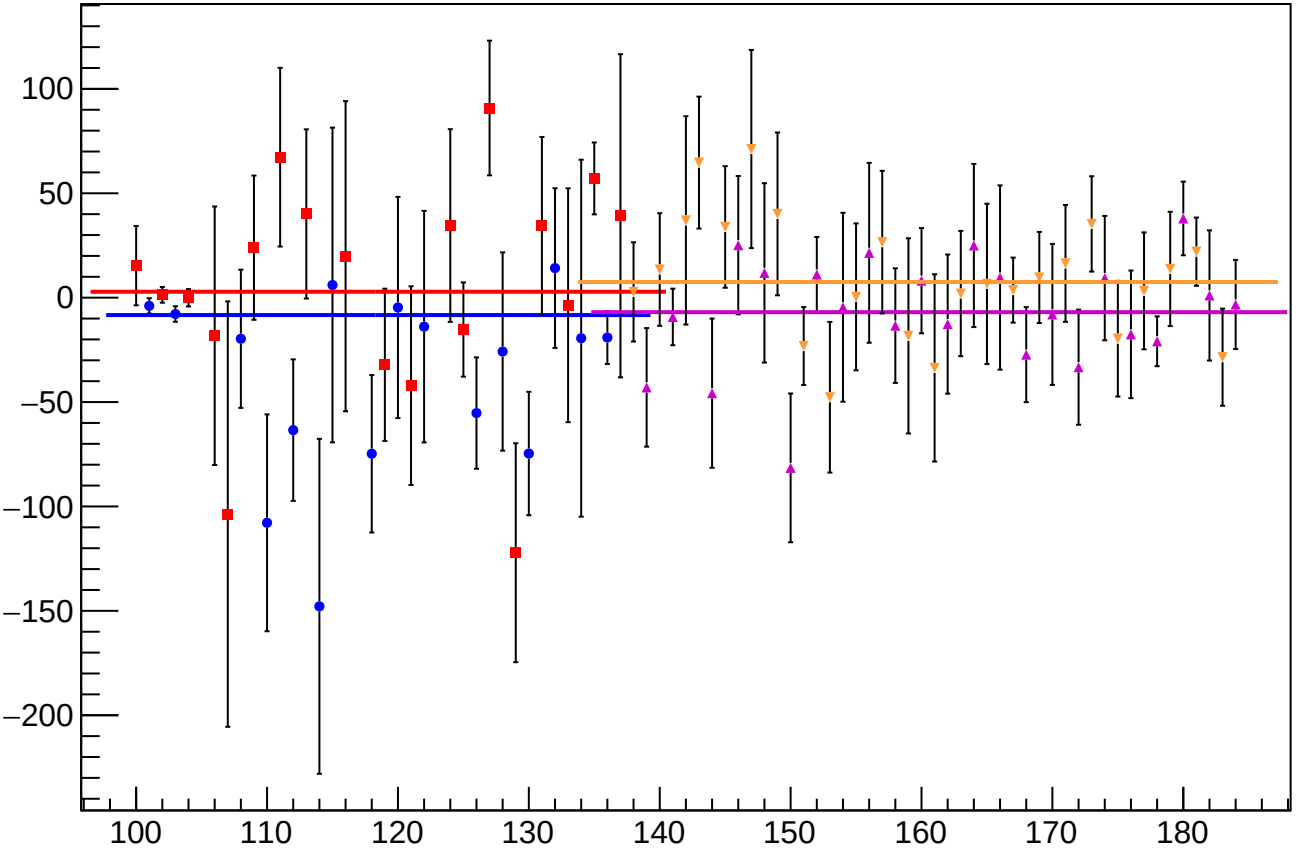
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2469.986+/-0.392 χ^2/NDF: 9824837.4/39

All: 2493.699+/-0.279 χ^2/NDF: 18466047.5/8

- sign 2518.090+/-0.398 χ^2/NDF: 8633795.8/41

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

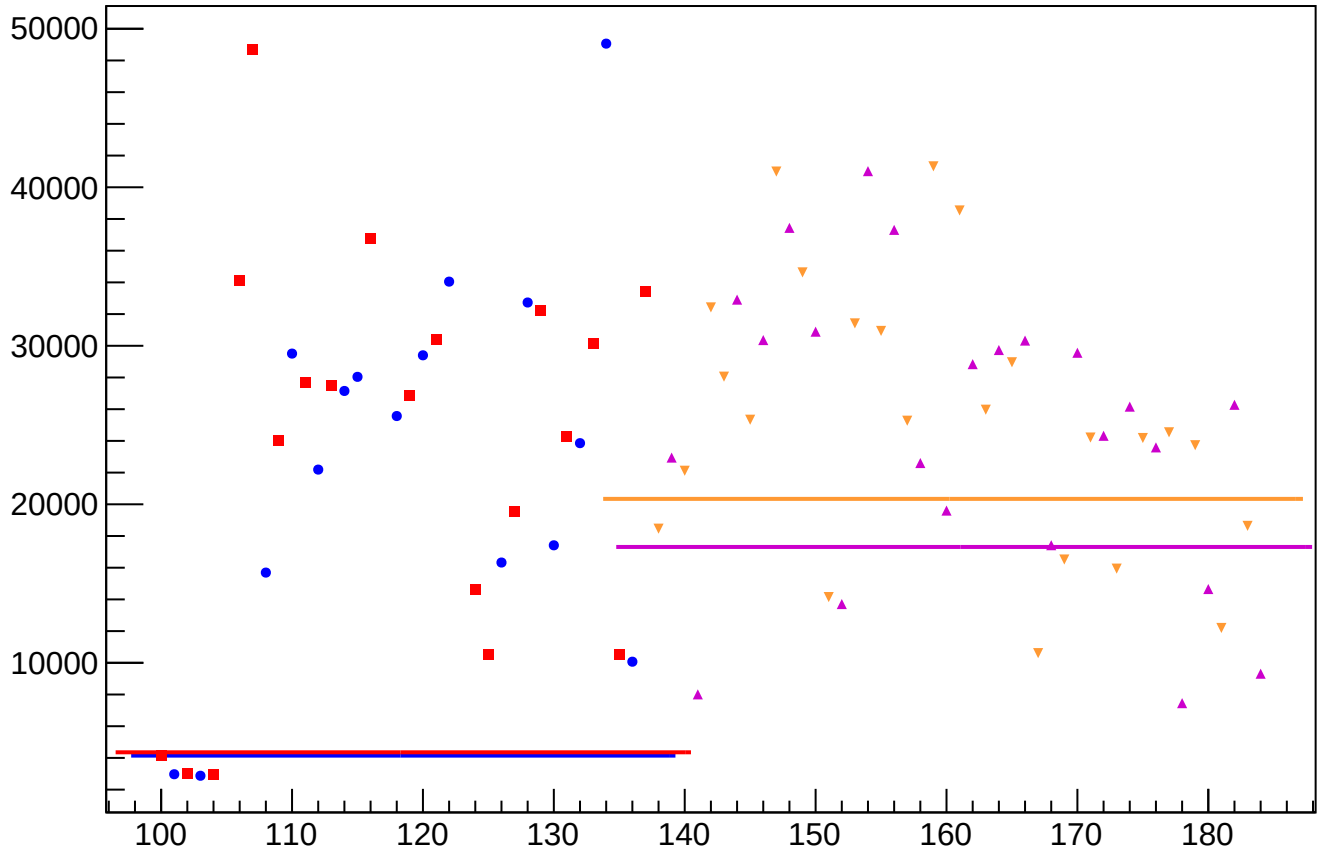
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

\+ sign -5.573+/-2.271 χ^2/NDF: 49.9/39

All: -2.499+/-1.631 χ^2/NDF: 110.3/81

\- sign 0.773+/-2.343 χ^2/NDF: 56.6/41



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

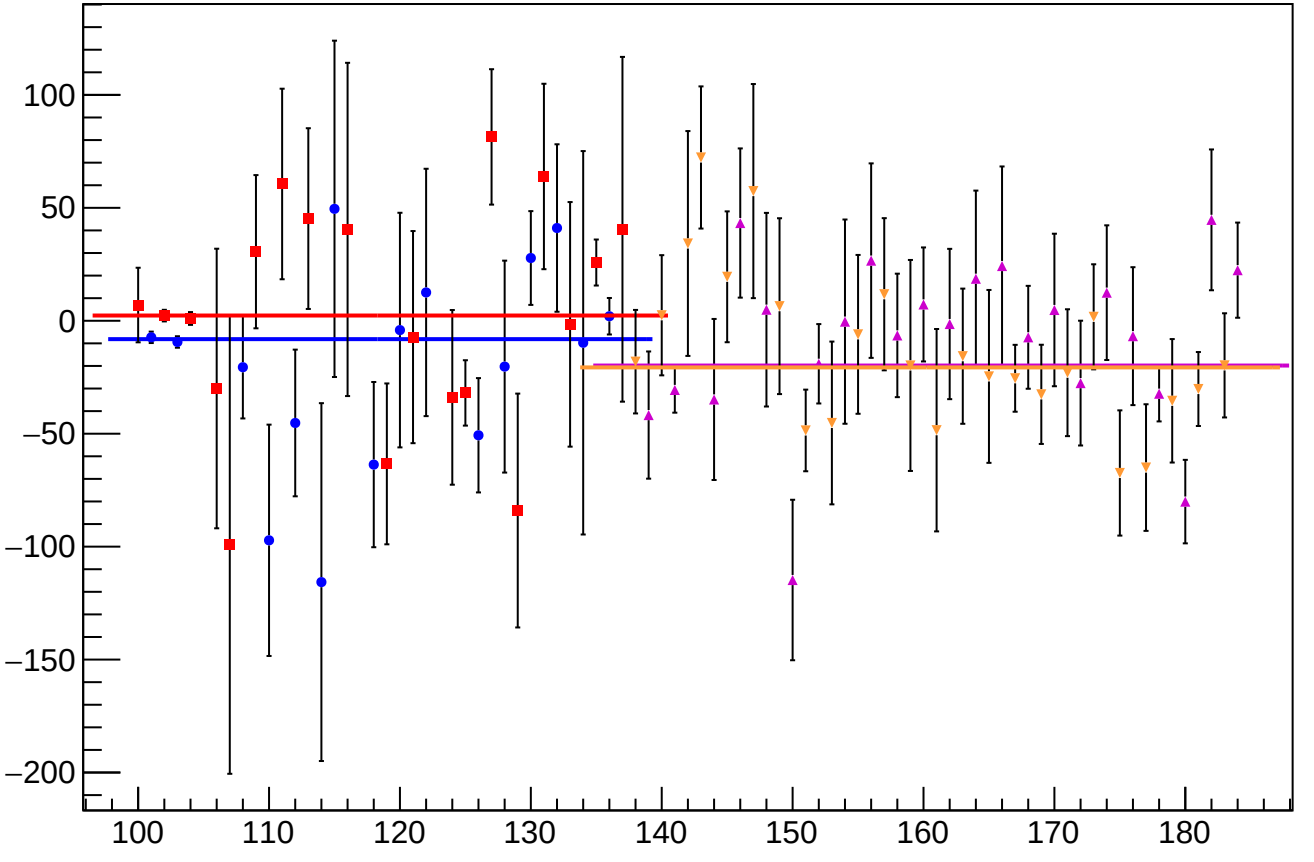
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 6969.338+/-1.606 χ^2/NDF: 25552763.5/39

All: 7032.386+/-1.153 χ^2/NDF: 50108788.0/8

- sign 7099.506+/-1.657 χ^2/NDF: 24552842.2/41

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

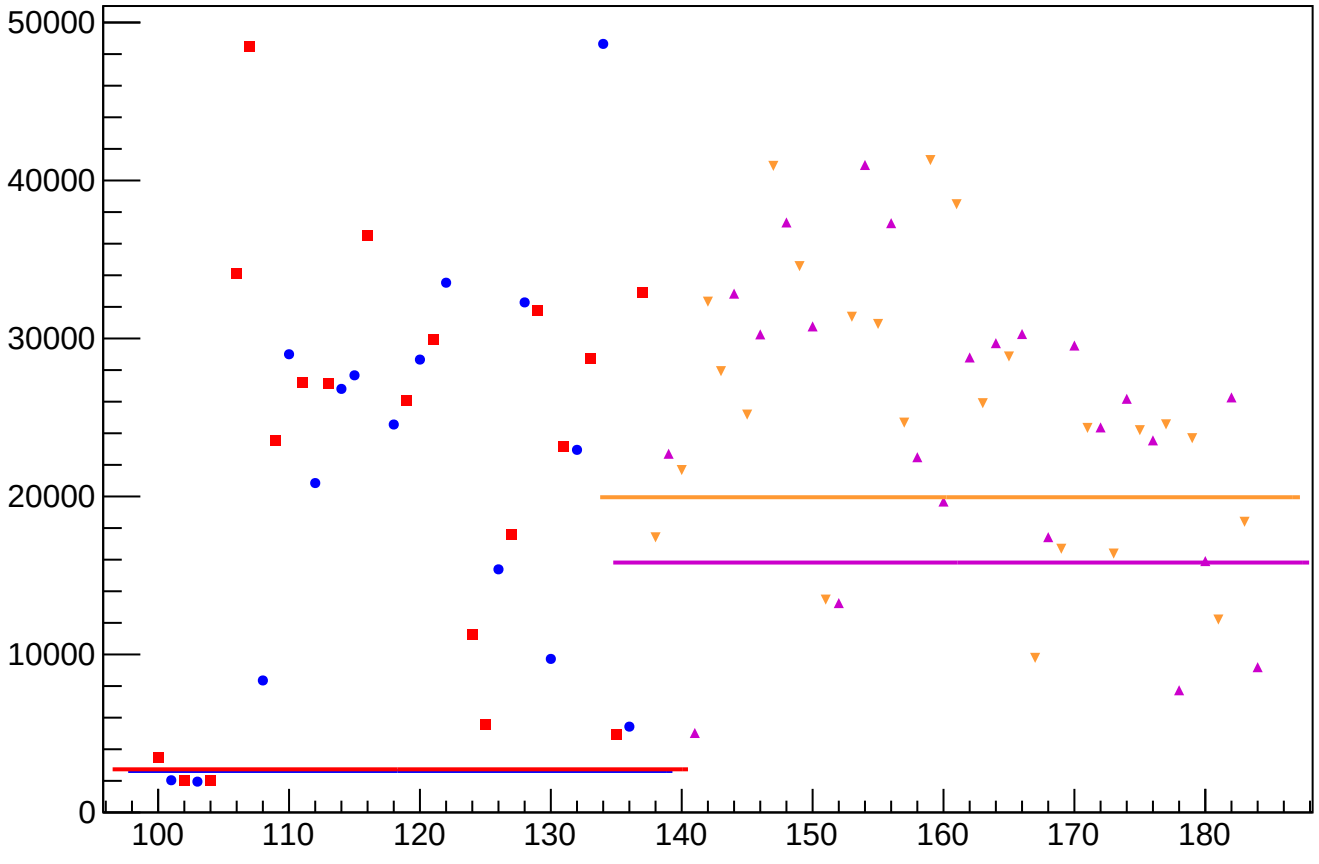
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -9.295+/-1.639 χ^2/NDF: 51.5/39

All: -5.033+/-1.181 χ^2/NDF: 157.3/81

- sign -0.418+/-1.705 χ^2/NDF: 91.7/41



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 19951.769+/-3.802 χ^2/NDF:4341687.9/23

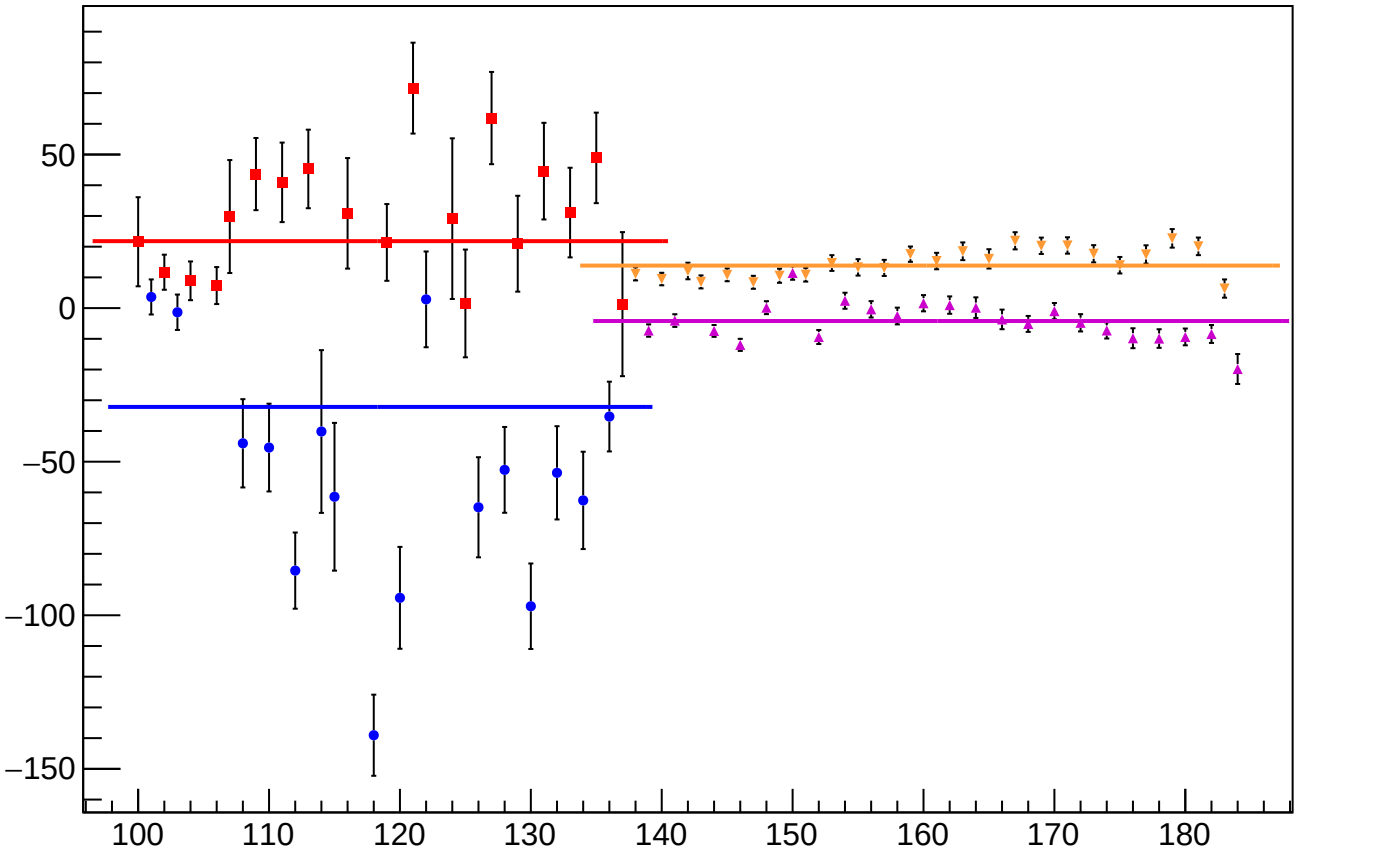
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 4235.060+/-1.159 χ^2/NDF: 29955334.8/39

All: 4290.660+/-0.835 χ^2/NDF: 59135996.2/8

- sign 4350.869+/-1.206 χ^2/NDF: 29175865.0/41



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

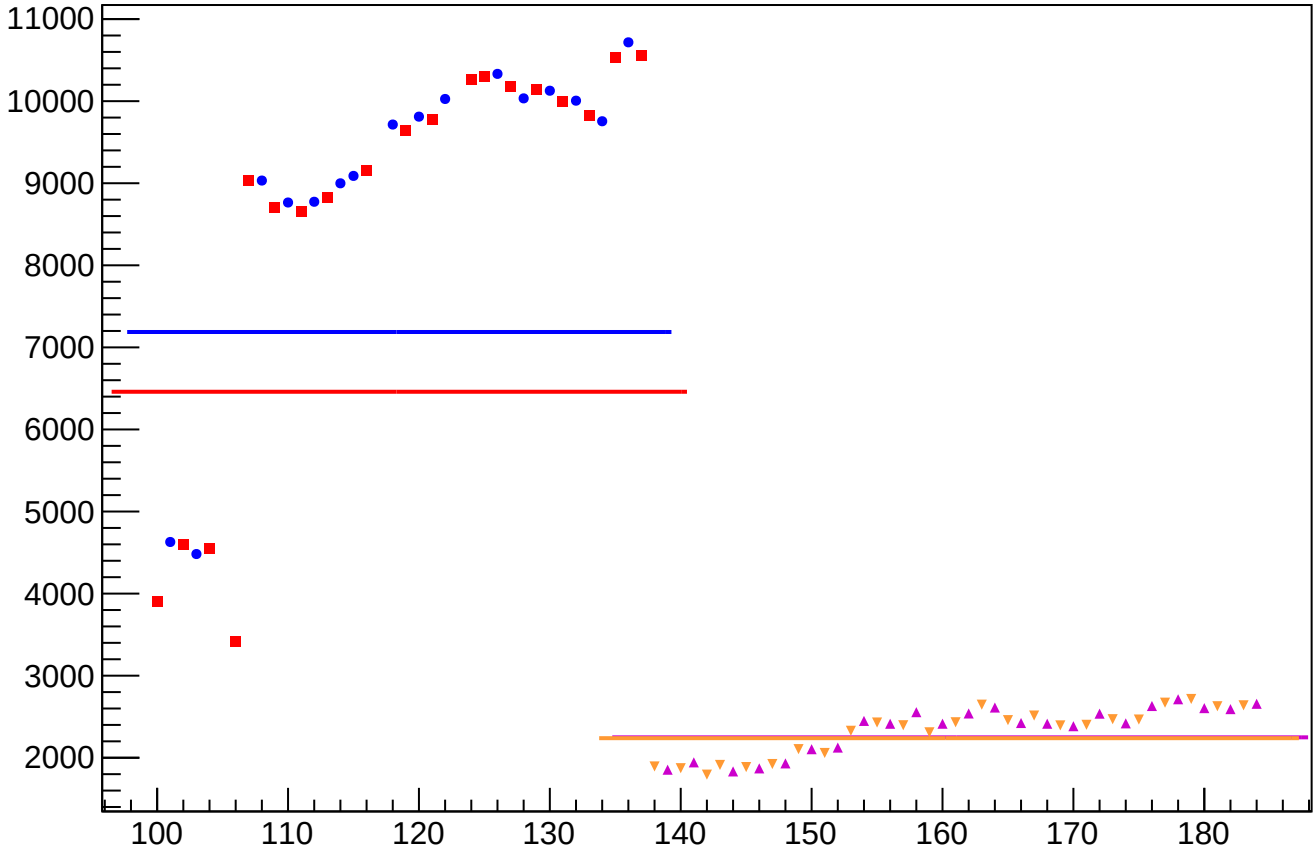
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 12.373+/-0.508 χ^2/NDF: 536.1/39

All: 4.784+/-0.363 χ^2/NDF: 1263.8/81

- sign -3.131+/-0.519 χ^2/NDF: 272.1/41

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

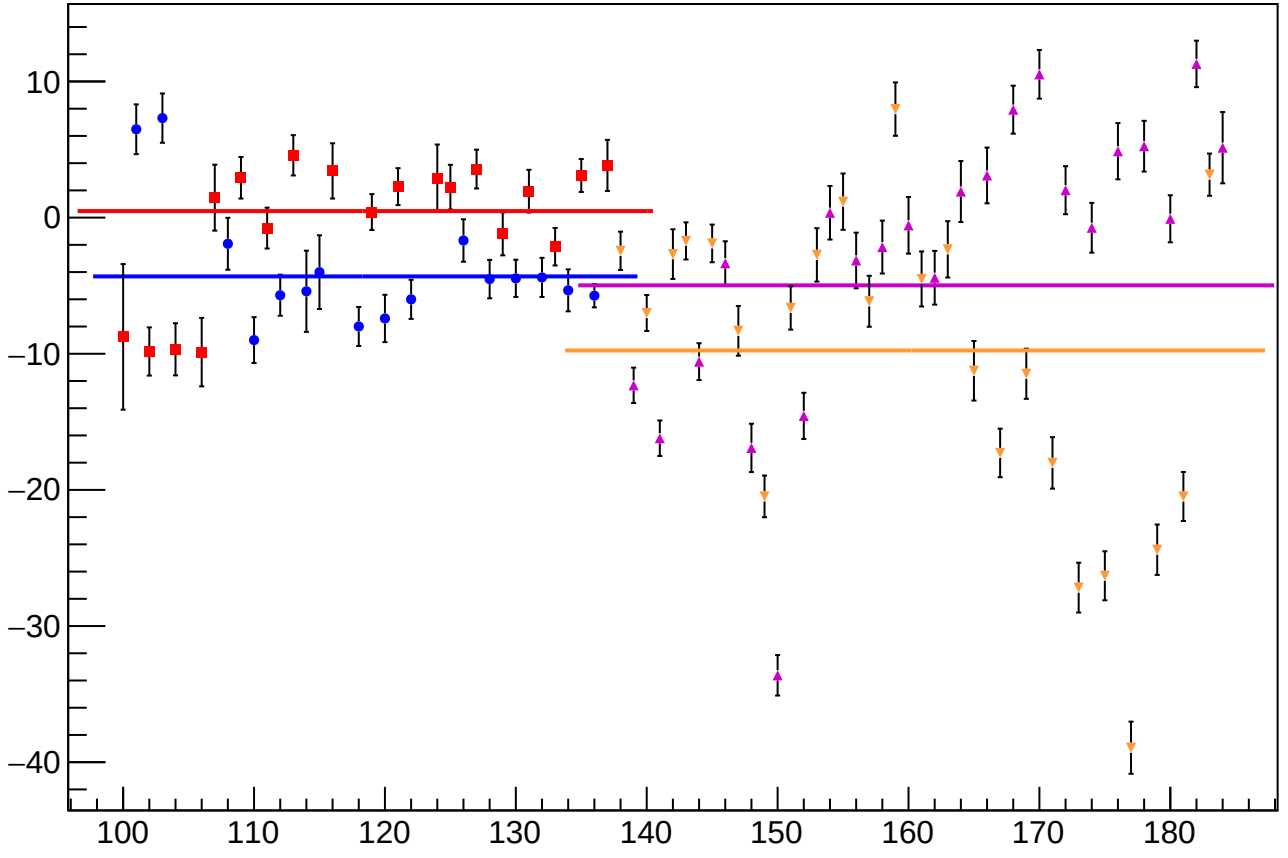
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2396.761+/-0.359 χ^2/NDF: 8224169.4/39

All: 2409.131+/-0.257 χ^2/NDF: 16344015.5/8

- sign 2422.033+/-0.367 χ^2/NDF: 8117425.5/41

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

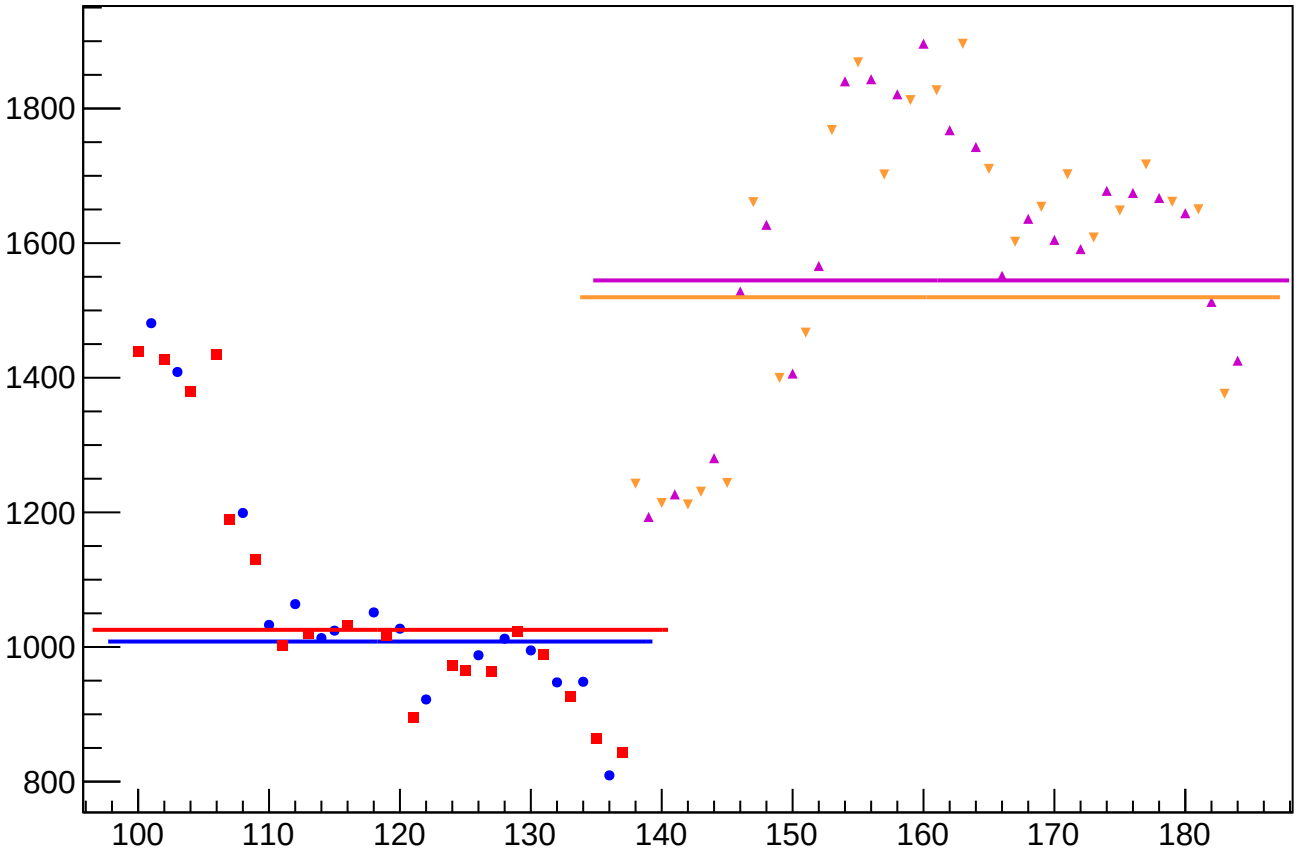
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

\+ sign -7.244+/-0.258 χ^2/NDF: 1139.5/39

All: -4.838+/-0.184 χ^2/NDF: 2470.7/81

\- sign -2.350+/-0.263 χ^2/NDF: 1154.6/41



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

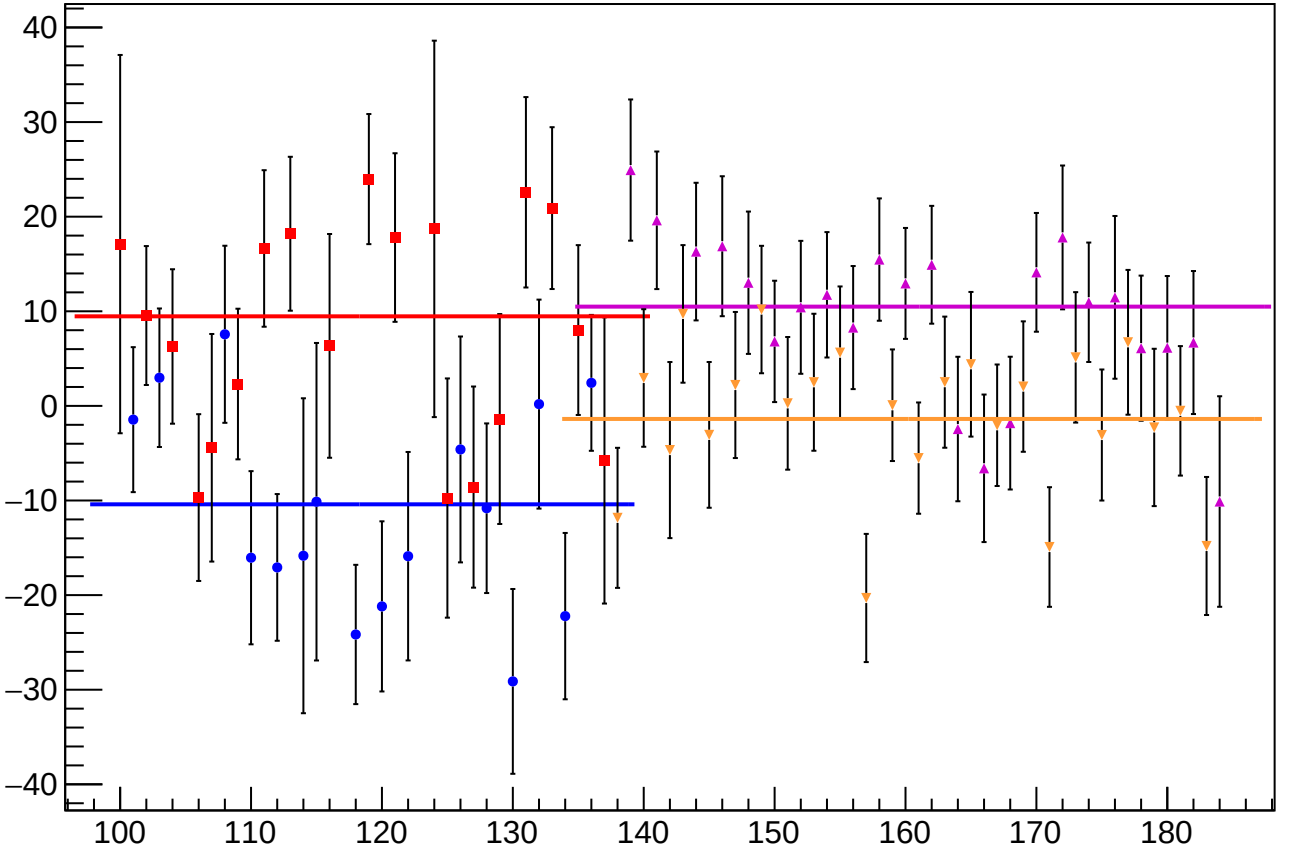
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1283.158+/-0.183 χ^2/NDF: 3156517.7/39

All: 1288.907+/-0.130 χ^2/NDF: 6093794.5/81

- sign 1294.857+/-0.186 χ^2/NDF: 2935258.6/41

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

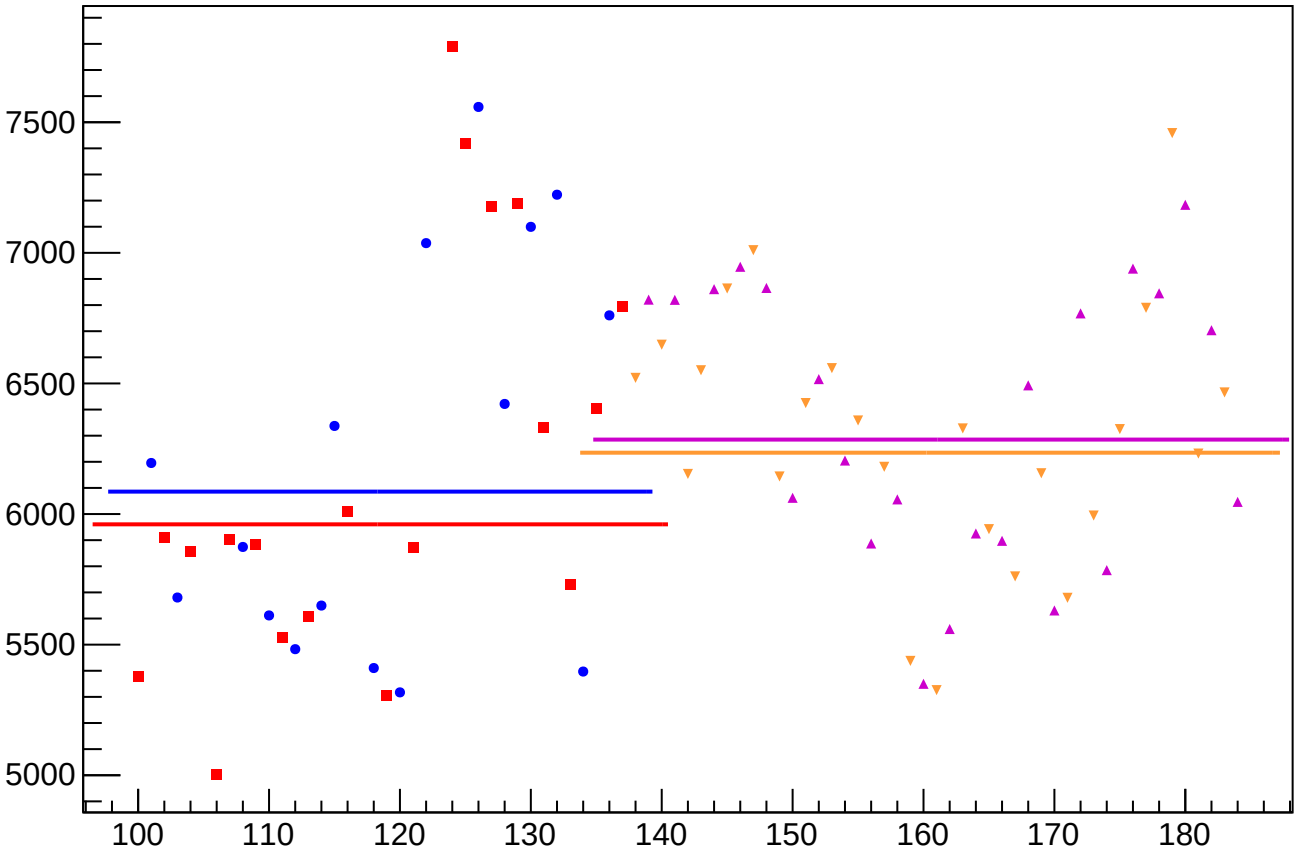
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -3.944+/-1.216 χ^2/NDF: 64.8/39

All: 3.052+/-0.863 χ^2/NDF: 182.0/81

- sign 10.171+/-1.226 χ^2/NDF: 50.4/41



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

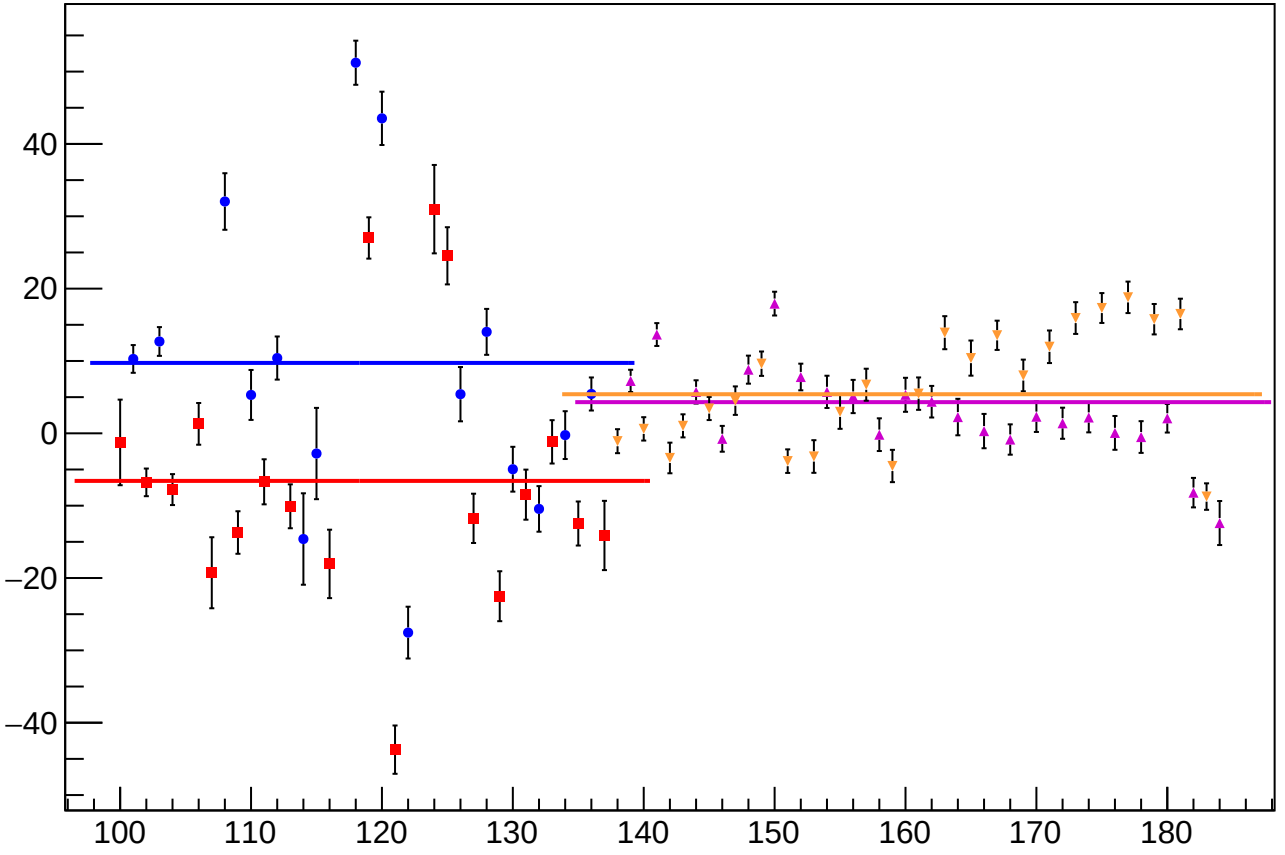
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6192.527+/-0.860 χ^2/NDF: 411463.5/39

All: 6188.014+/-0.610 χ^2/NDF: 869782.2/81

- sign 6183.422+/-0.867 χ^2/NDF: 458263.0/41

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

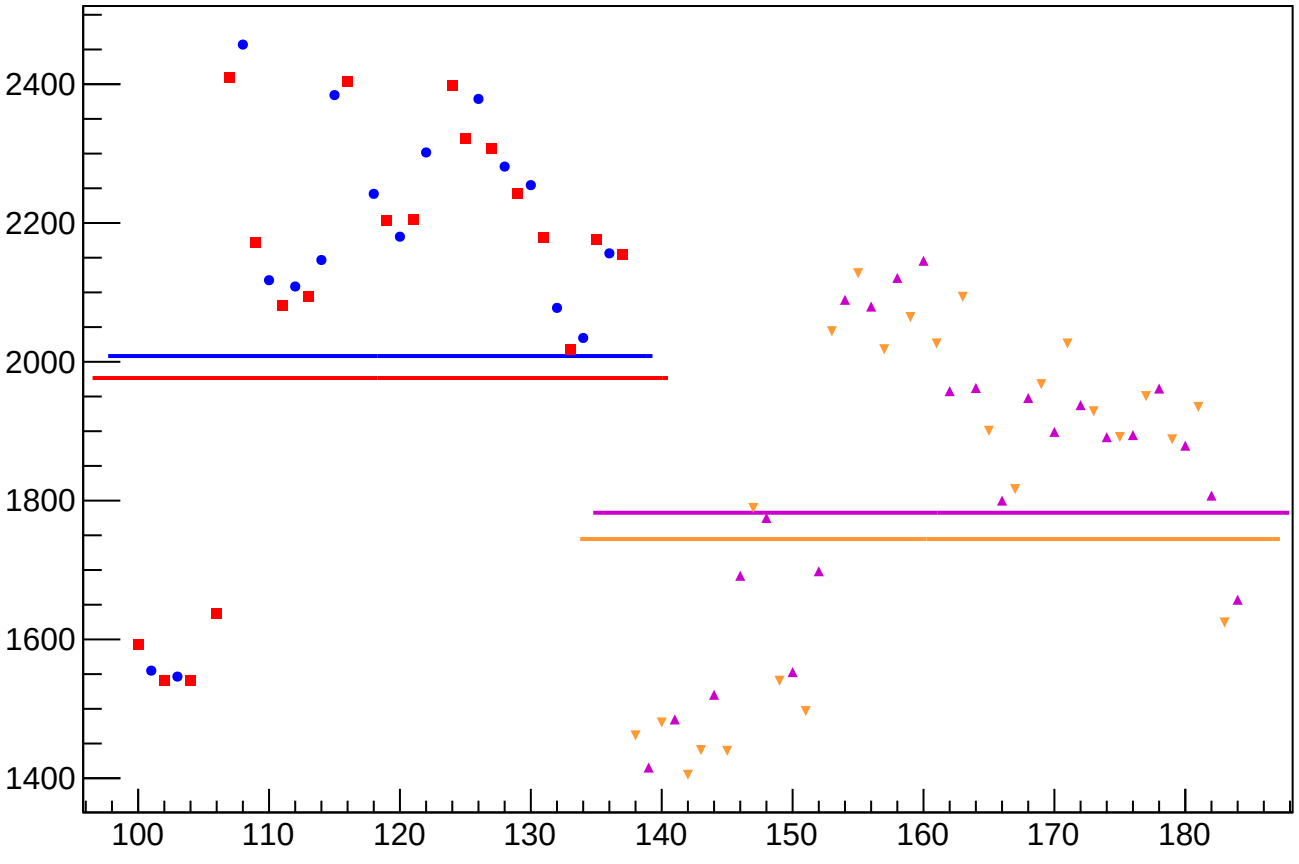
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 6.367+/-0.356 χ^2/NDF: 912.9/39

All: 4.039+/-0.255 χ^2/NDF: 1811.5/81

- sign 1.604+/-0.364 χ^2/NDF: 811.1/41



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

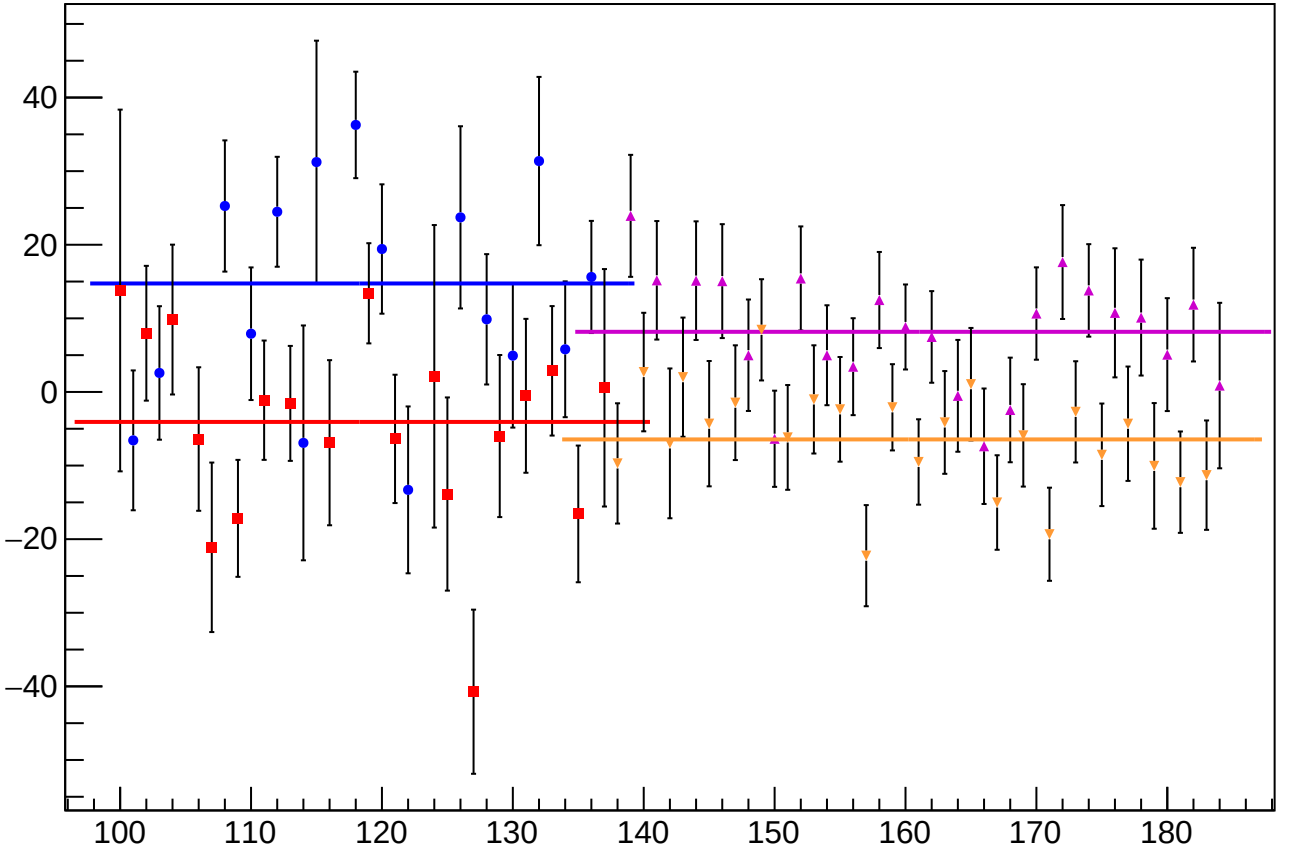
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1803.309+/-0.252 χ^2/NDF: 1297058.6/39

All: 1816.730+/-0.180 χ^2/NDF: 2308856.4/81

- sign 1830.775+/-0.257 χ^2/NDF: 1005979.8/41

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -6.448+/-1.469 χ^2/NDF:23.5/23

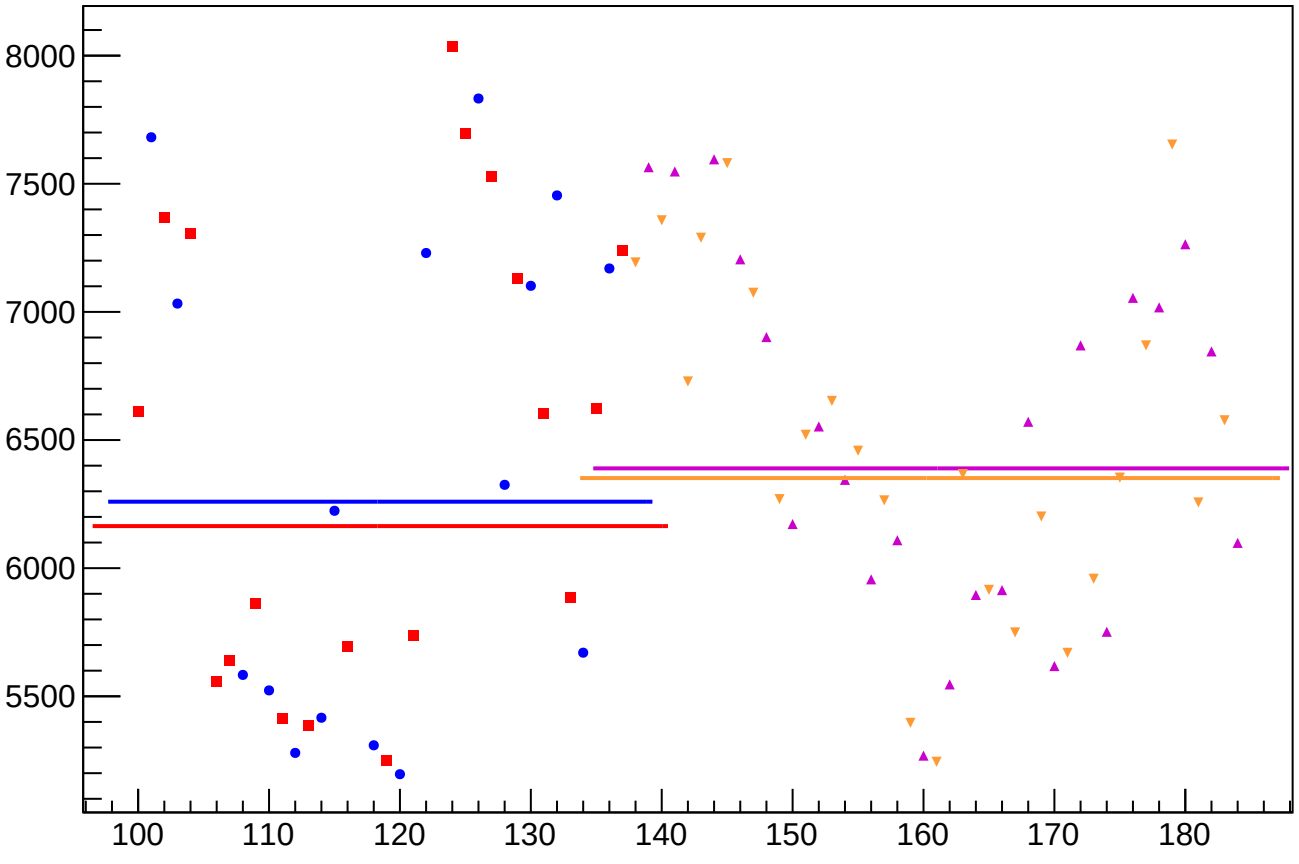
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -0.525+/-1.247 χ^2/NDF: 115.2/39

All: 1.928+/-0.885 χ^2/NDF: 197.5/81

- sign 4.424+/-1.258 χ^2/NDF: 74.5/41



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

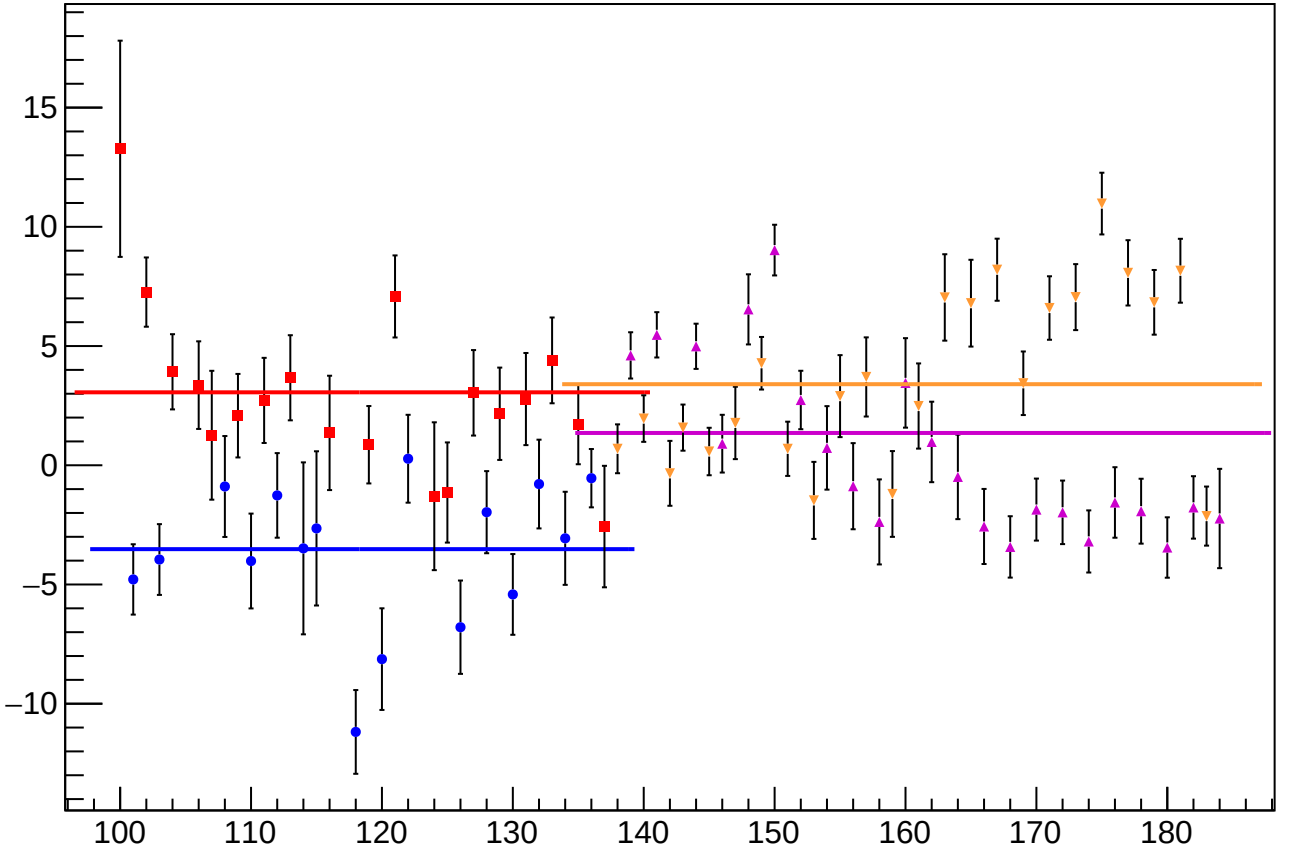
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6325.826+/-0.881 χ^2/NDF: 695677.9/39

All: 6323.176+/-0.626 χ^2/NDF: 1394136.3/81

- sign 6320.479+/-0.889 χ^2/NDF: 698440.2/41

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

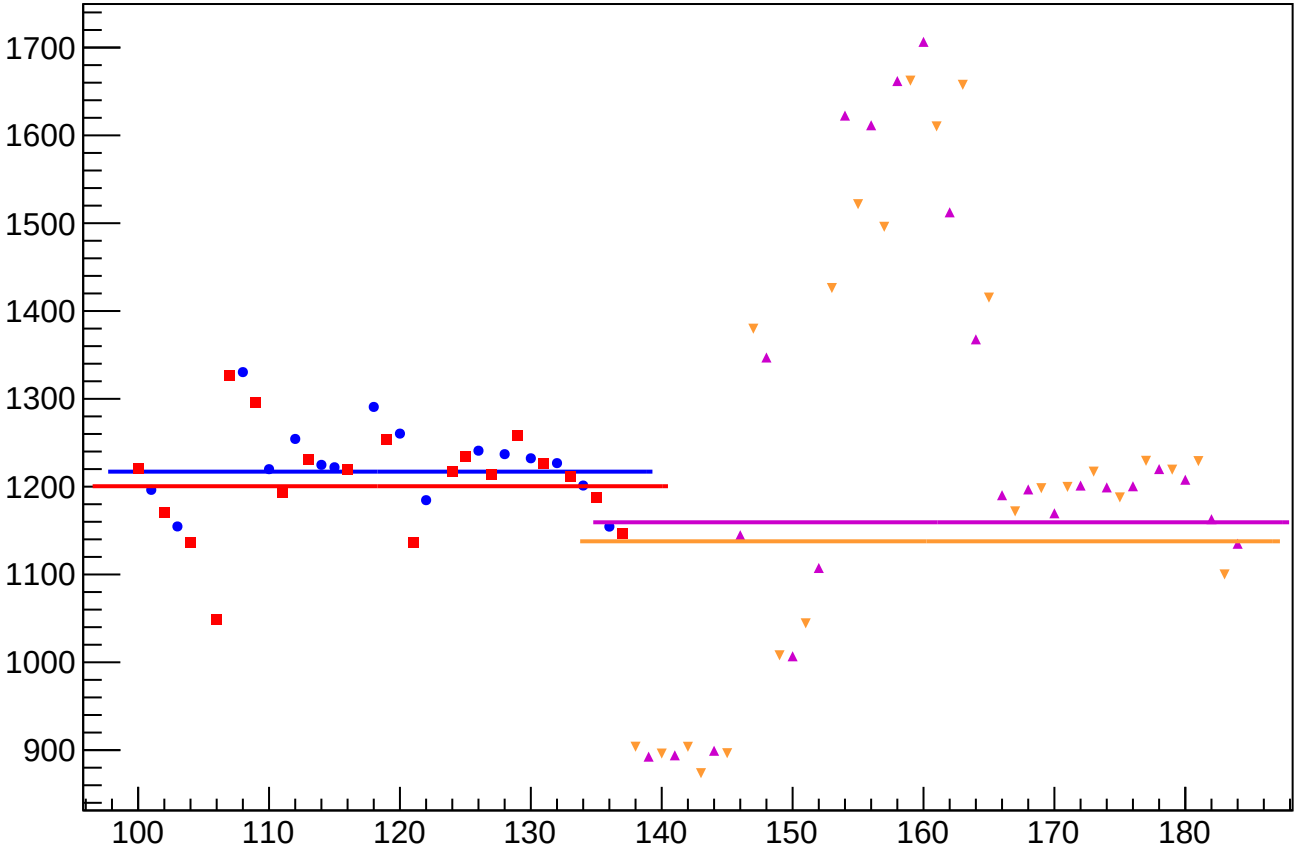
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.619+/-0.230 χ^2/NDF: 389.2/39

All: 1.727+/-0.164 χ^2/NDF: 631.5/81

- sign 1.840+/-0.234 χ^2/NDF: 241.9/41

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

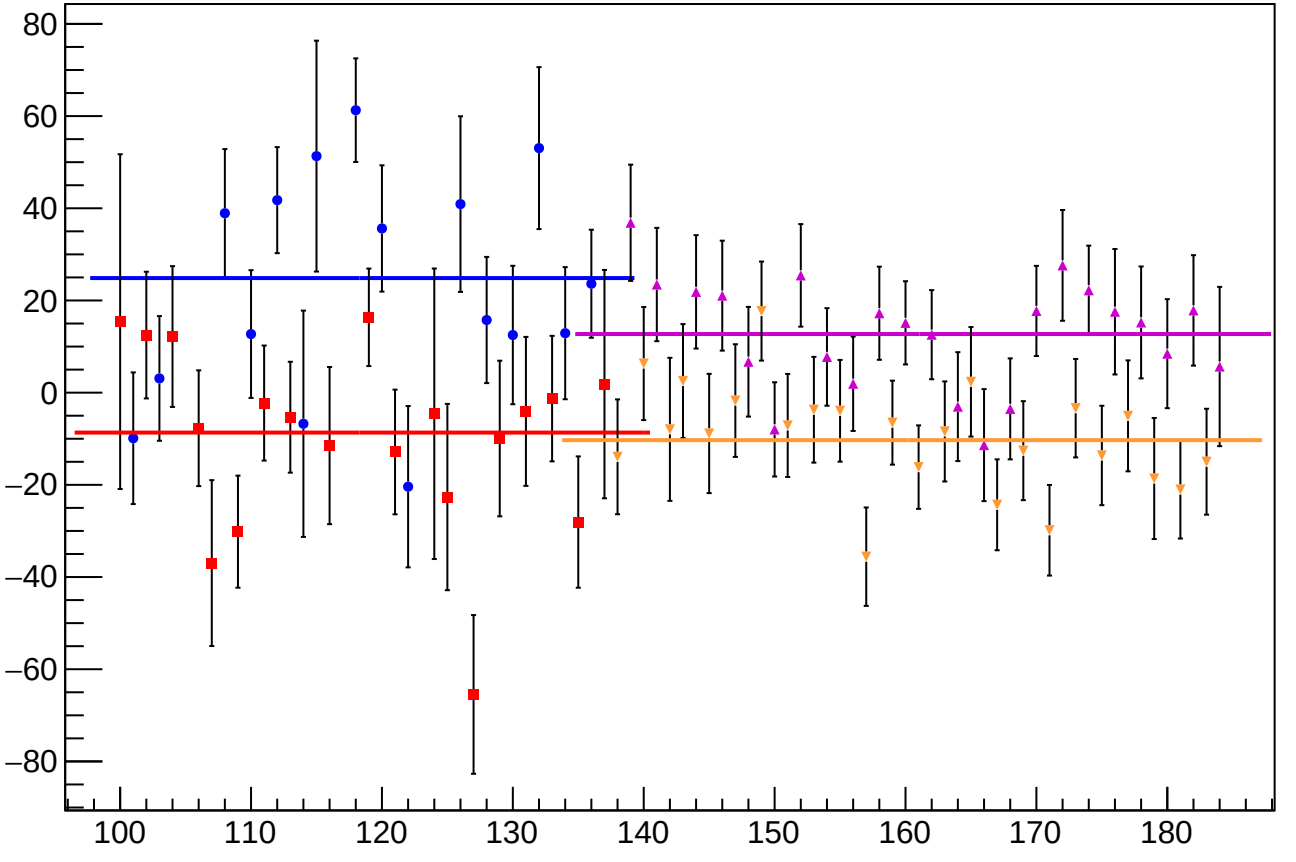
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1158.202+/-0.162 χ^2/NDF: 1536295.5/39

All: 1164.545+/-0.116 χ^2/NDF: 2849406.7/81

- sign 1171.131+/-0.165 χ^2/NDF: 1310000.1/41

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

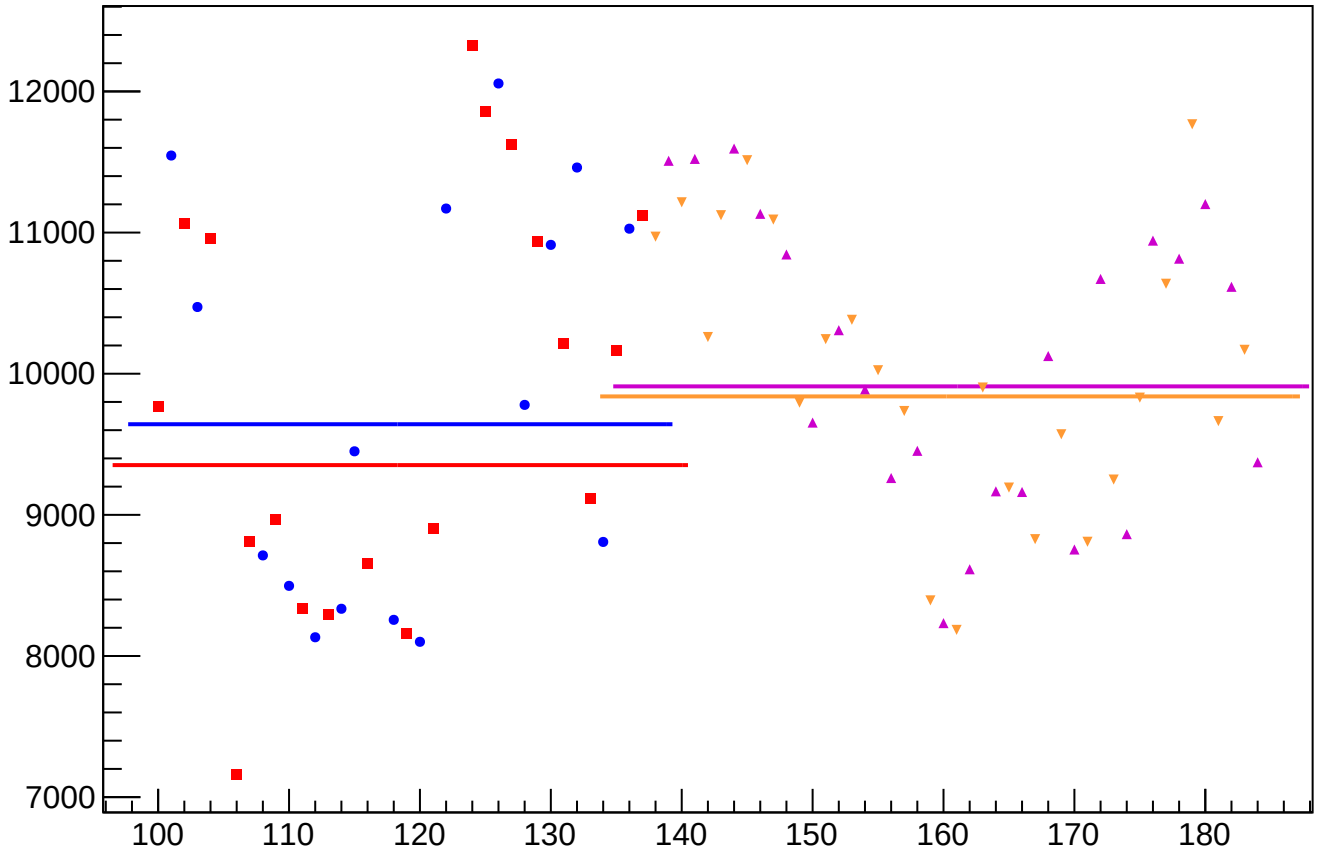
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -0.382+/-1.927 χ^2/NDF: 132.3/39

All: 2.786+/-1.366 χ^2/NDF: 218.2/81

- sign 5.990+/-1.938 χ^2/NDF: 80.4/41



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

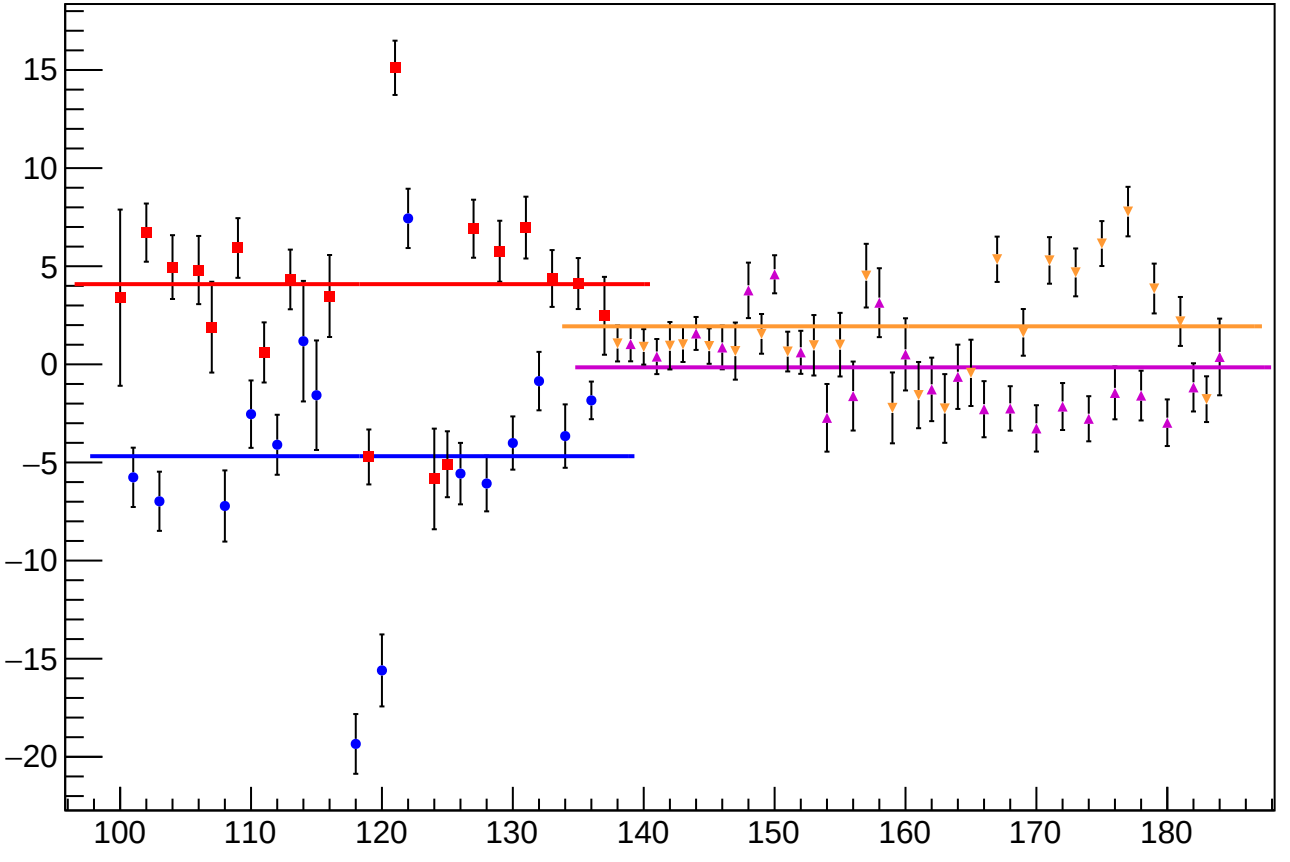
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9783.538+/-1.363 χ^2/NDF: 638446.9/39

All: 9759.261+/-0.966 χ^2/NDF: 1365979.7/81

- sign 9734.714+/-1.370 χ^2/NDF: 726894.5/41

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

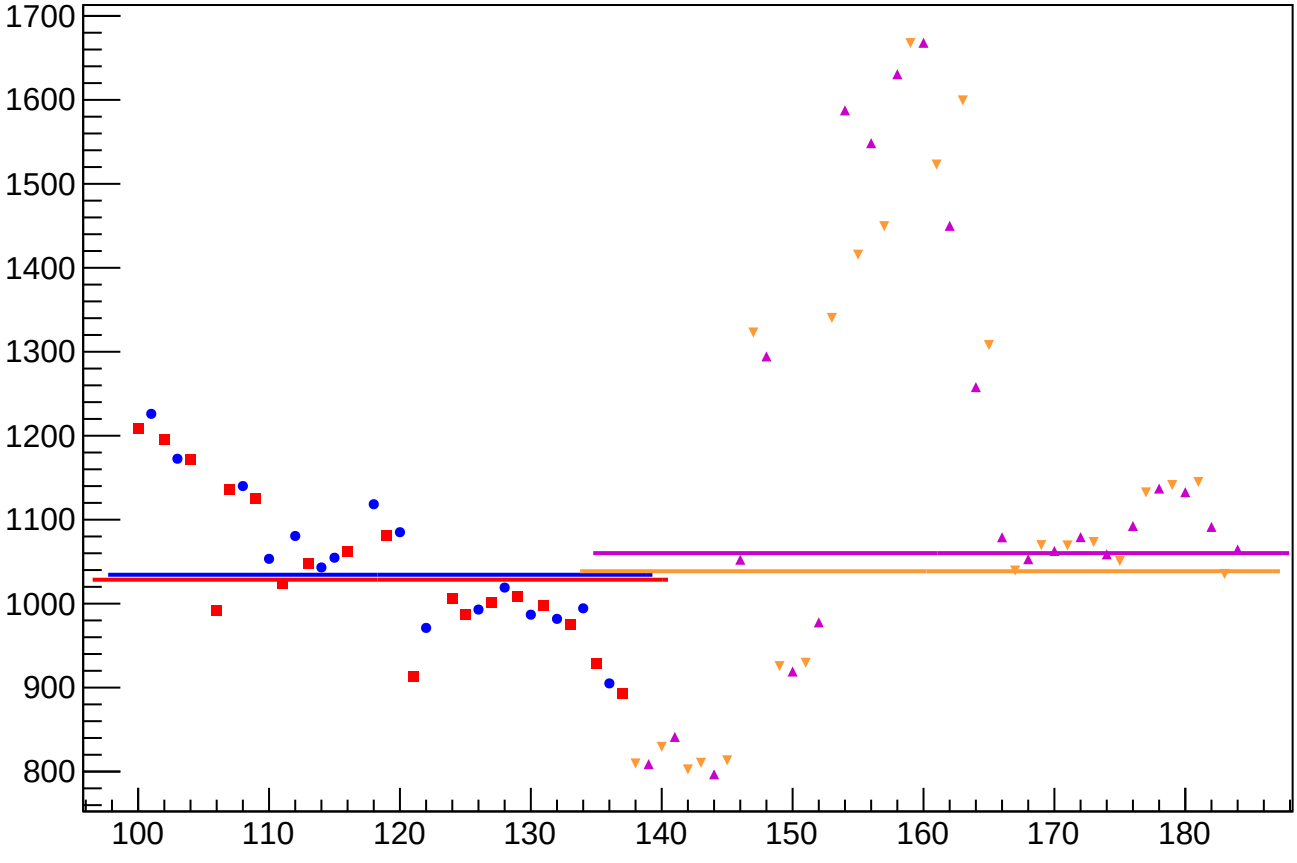
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.042+/-0.206 χ^2/NDF: 528.9/39

All: 0.598+/-0.148 χ^2/NDF: 874.5/81

- sign 1.178+/-0.211 χ^2/NDF: 330.8/41

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

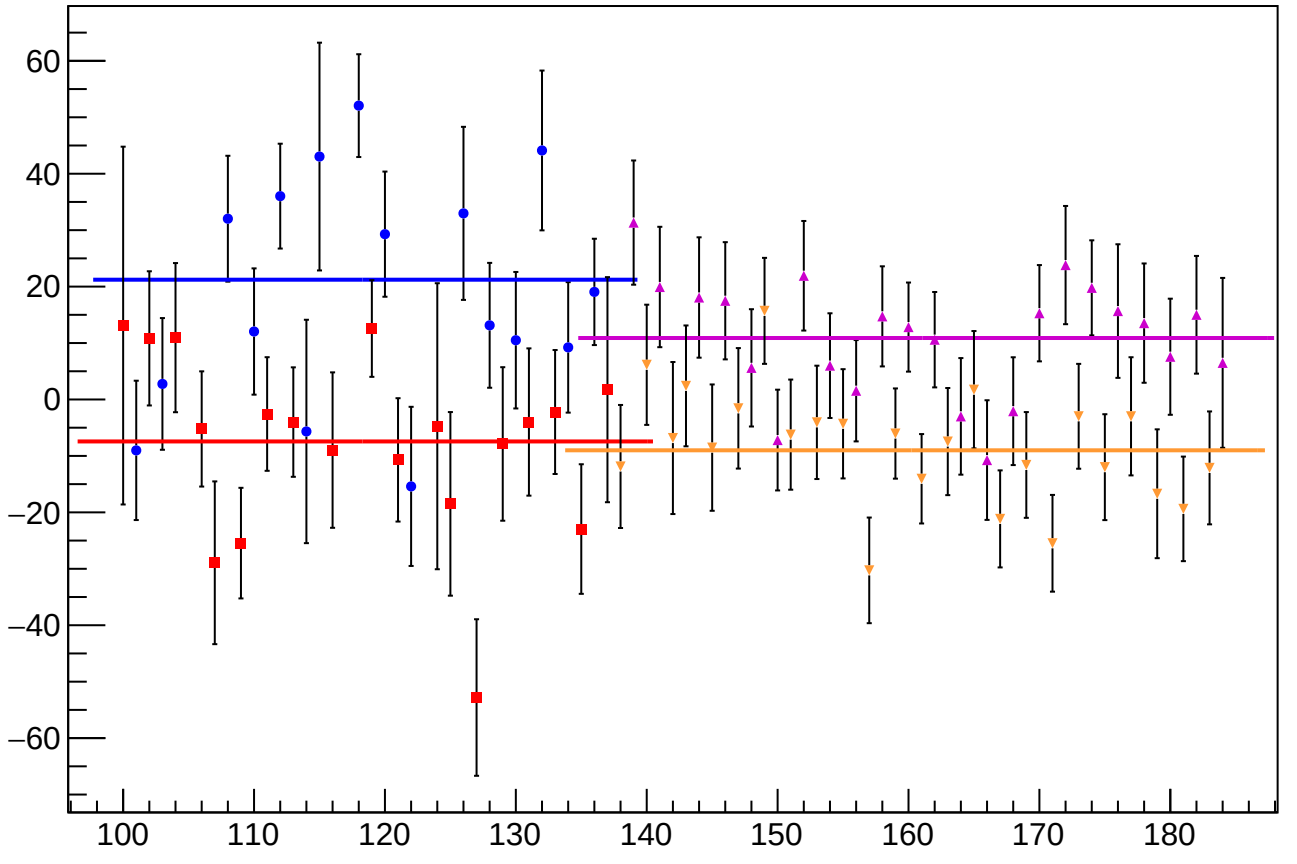
Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1037.403+/-0.146 χ^2/NDF: 1820037.5/39

All: 1043.683+/-0.104 χ^2/NDF: 3458373.1/81

- sign 1050.229+/-0.149 χ^2/NDF: 1634557.0/41



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

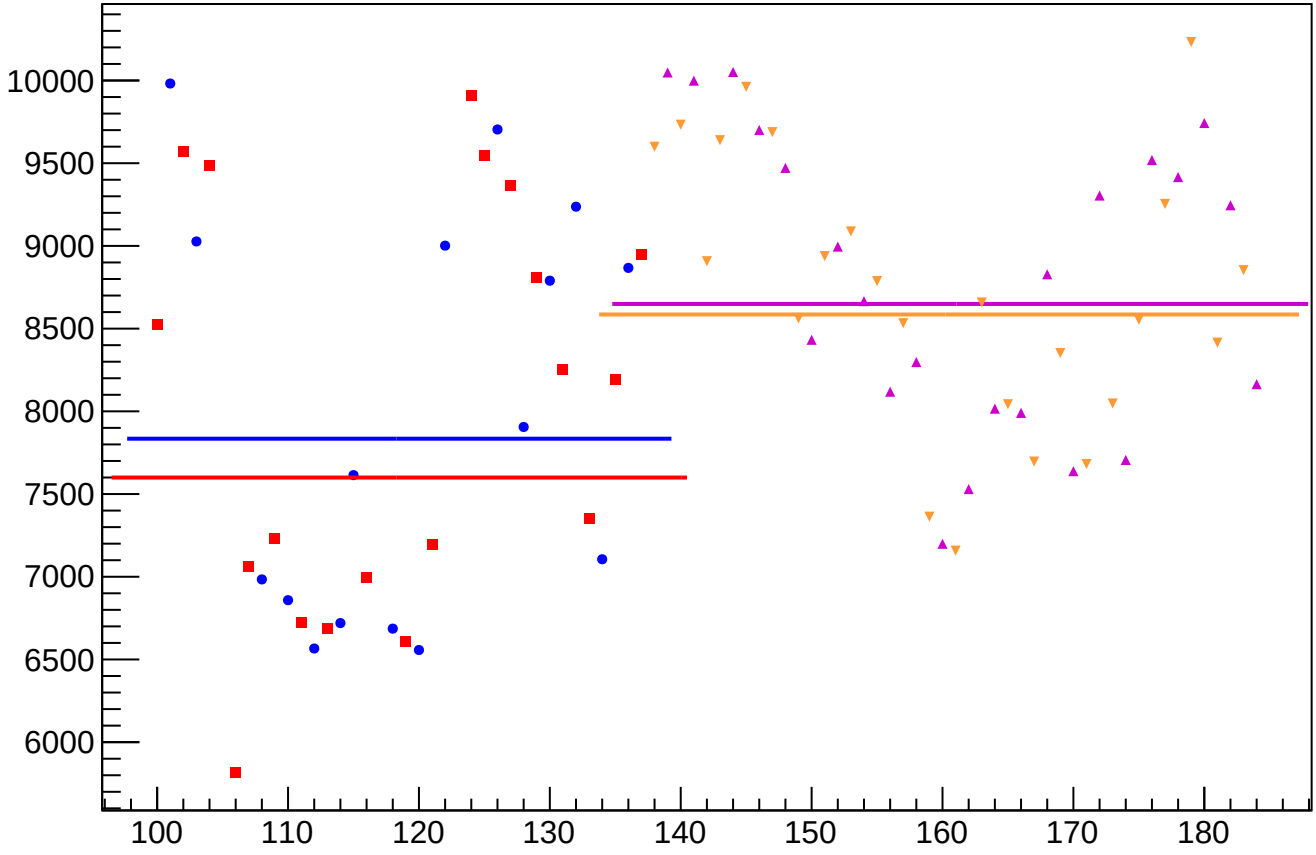
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign 0.403+/-1.647 χ^2/NDF: 138.8/39

All: 2.473+/-1.166 χ^2/NDF: 223.1/81

- sign 4.557+/-1.652 χ^2/NDF: 81.2/41

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

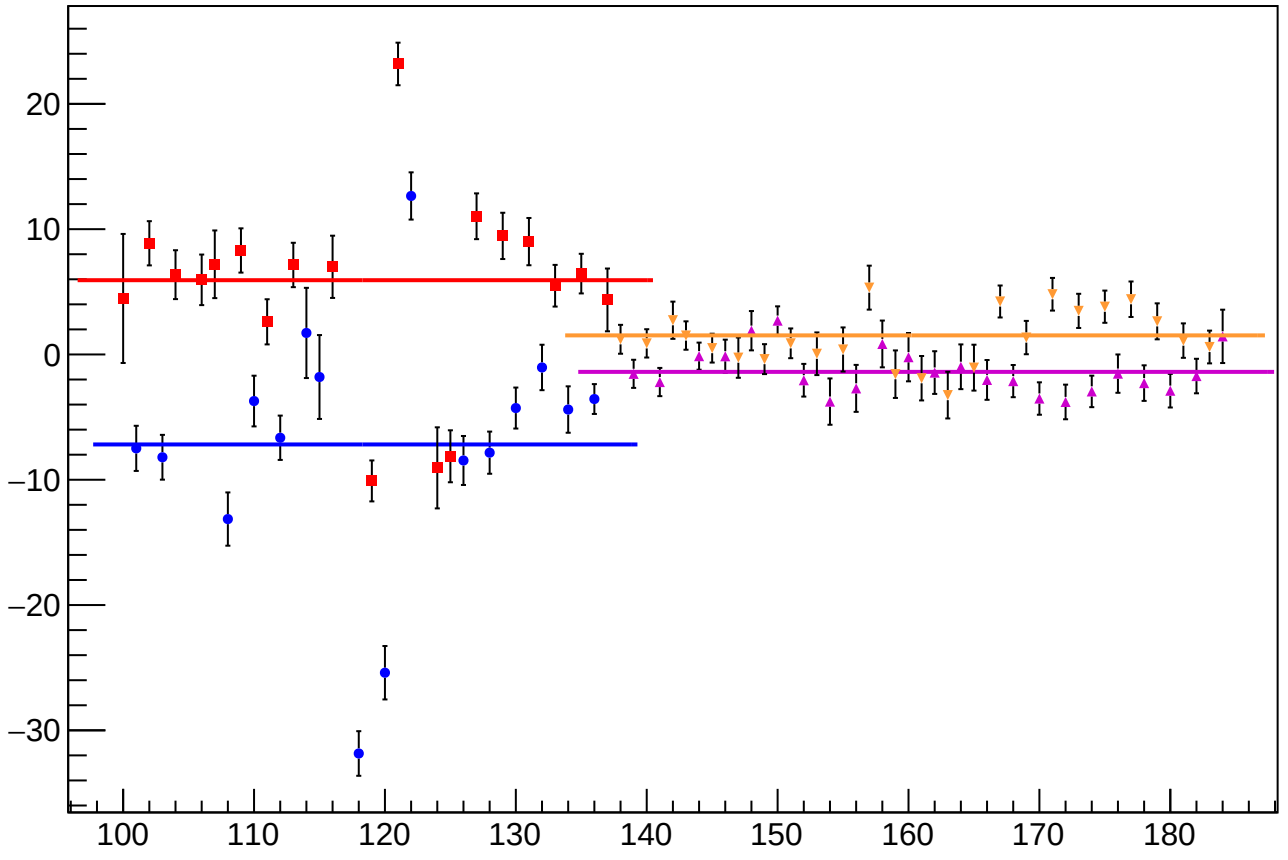
Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8351.775+/-1.164 χ^2/NDF: 749264.8/39

All: 8319.236+/-0.825 χ^2/NDF: 1655570.7/81

- sign 8286.482+/-1.168 χ^2/NDF: 904739.1/41



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.523+/-0.283 χ^2/NDF:48.1/23

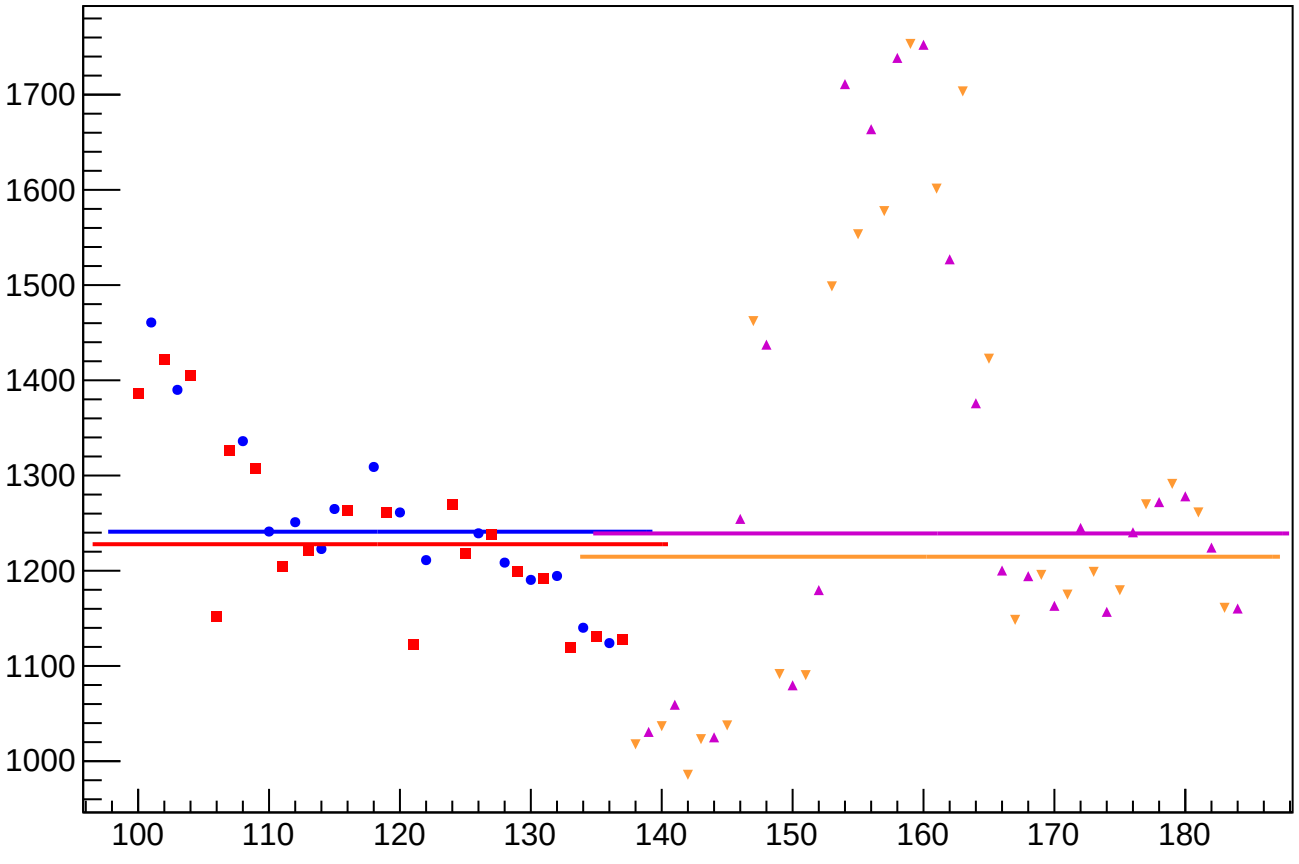
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -0.848+/-0.241 χ^2/NDF: 728.3/39

All: -0.037+/-0.172 χ^2/NDF: 1263.0/81

- sign 0.808+/-0.246 χ^2/NDF: 511.6/41



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

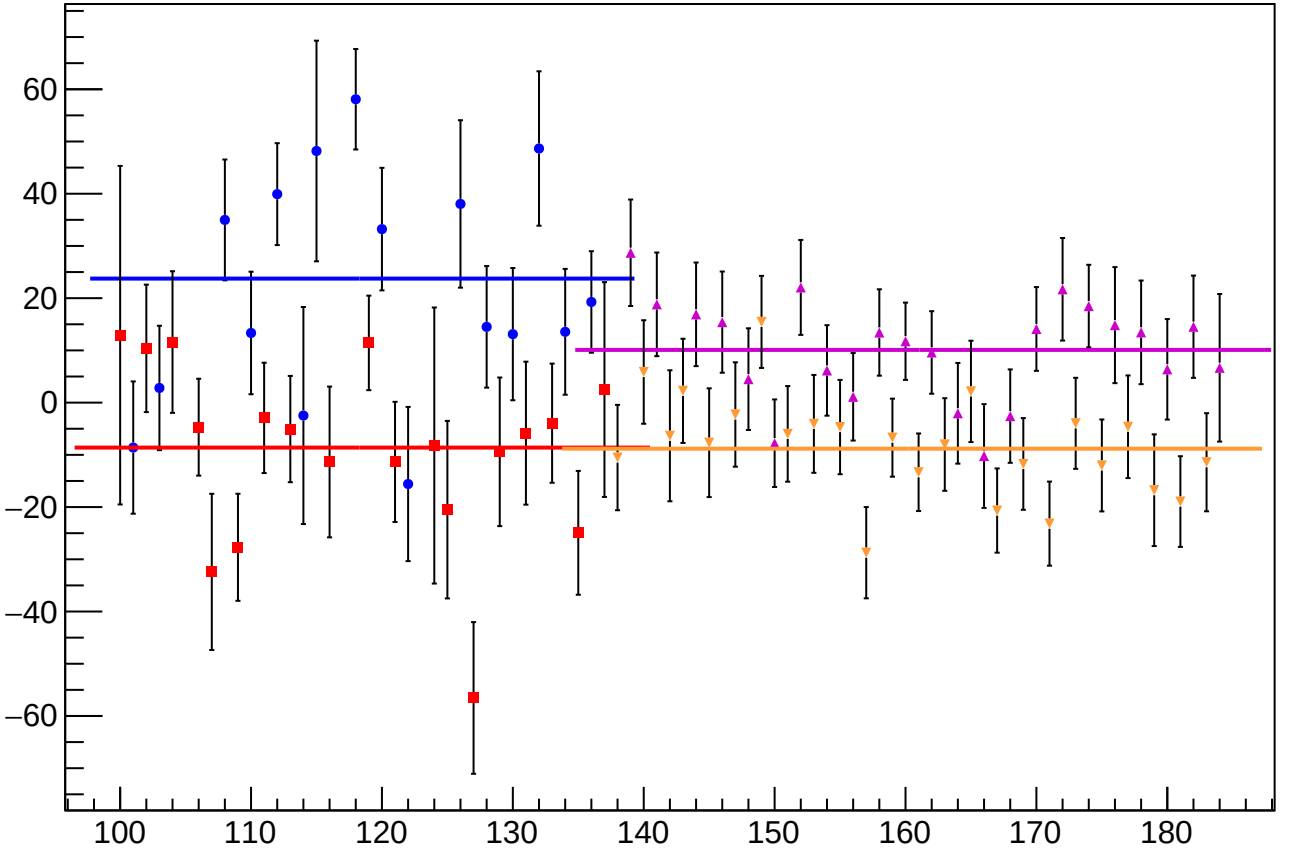
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1221.884+/-0.171 χ^2/NDF: 1094791.0/39

All: 1228.691+/-0.122 χ^2/NDF: 2066863.6/81

- sign 1235.777+/-0.174 χ^2/NDF: 968823.2/41

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

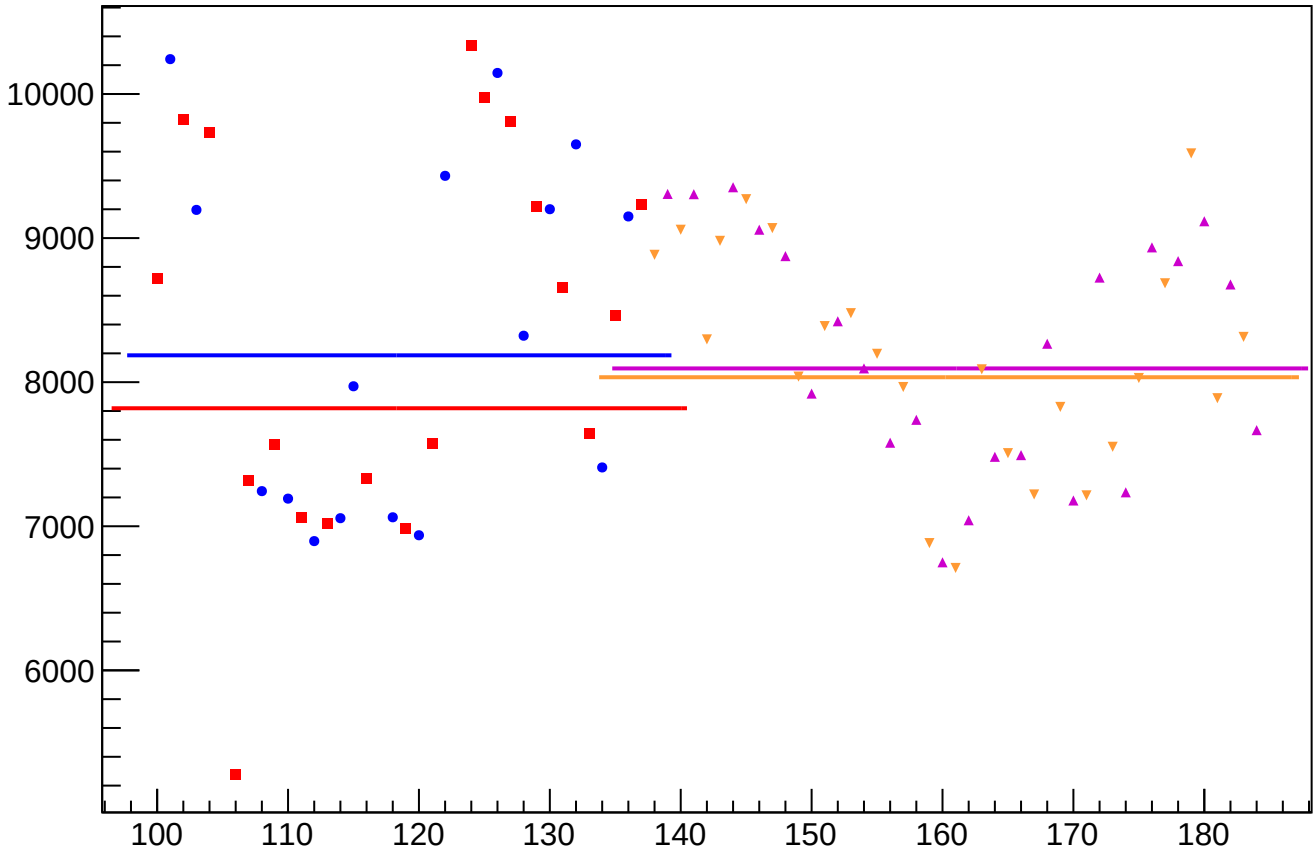
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -0.145+/-1.590 χ^2/NDF: 152.5/39

All: 2.133+/-1.126 χ^2/NDF: 240.4/81

- sign 4.428+/-1.596 χ^2/NDF: 83.8/41



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

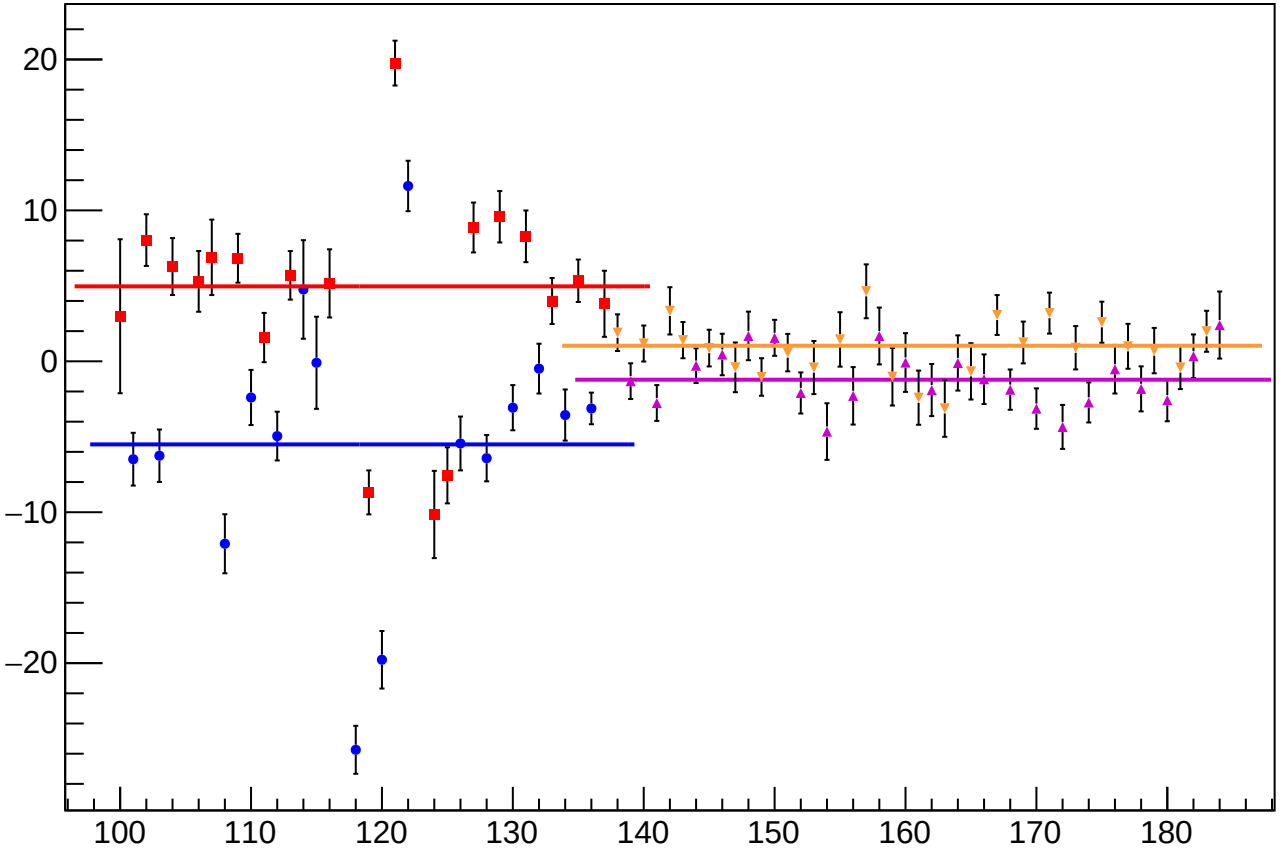
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8074.728+/-1.124 χ^2/NDF: 625204.9/39

All: 8043.286+/-0.796 χ^2/NDF: 1429896.4/81

- sign 8011.626+/-1.128 χ^2/NDF: 803122.3/41

diff_bpm0l09Y_mean vs Slug



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

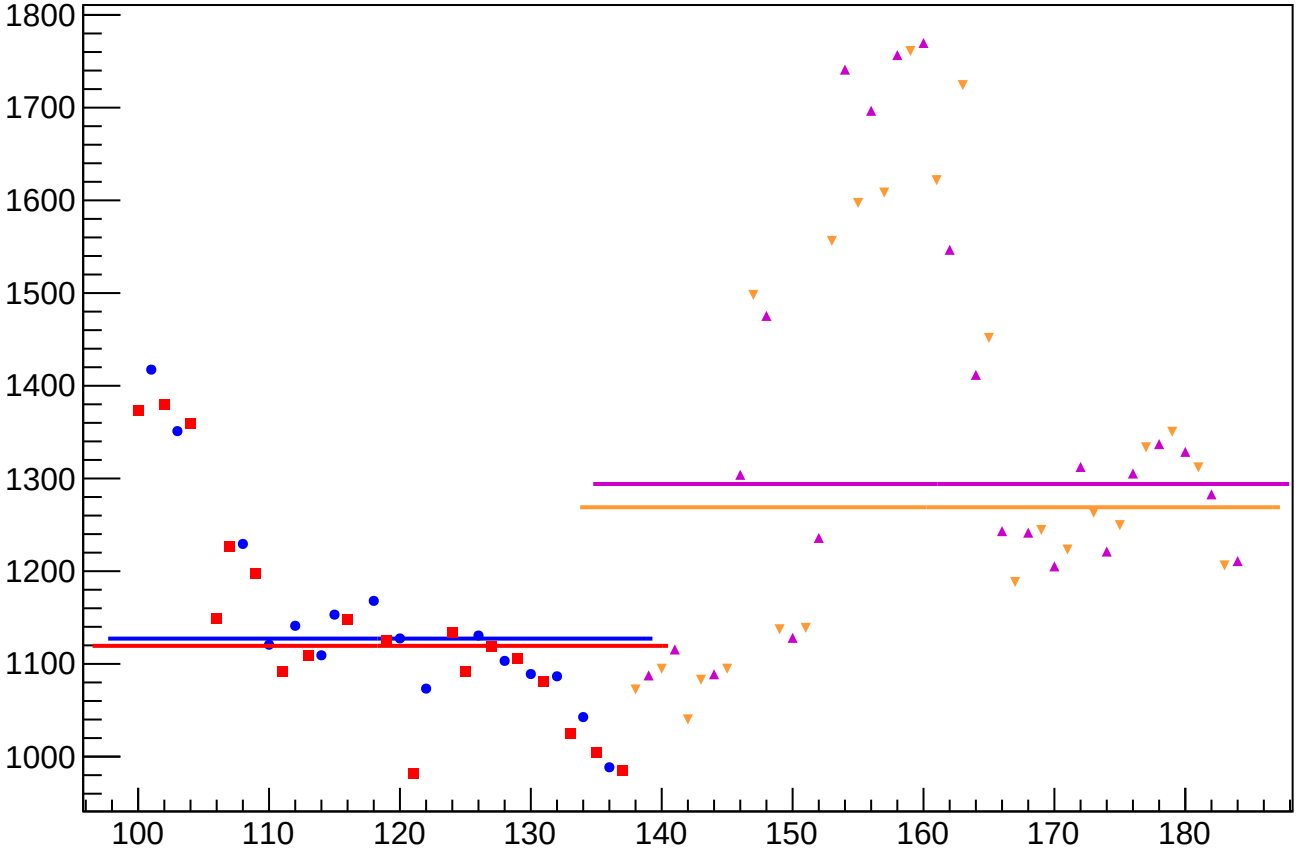
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.119+/-0.241 χ^2/NDF: 561.4/39

All: -0.079+/-0.172 χ^2/NDF: 1065.4/81

- sign 0.997+/-0.246 χ^2/NDF: 466.3/41

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

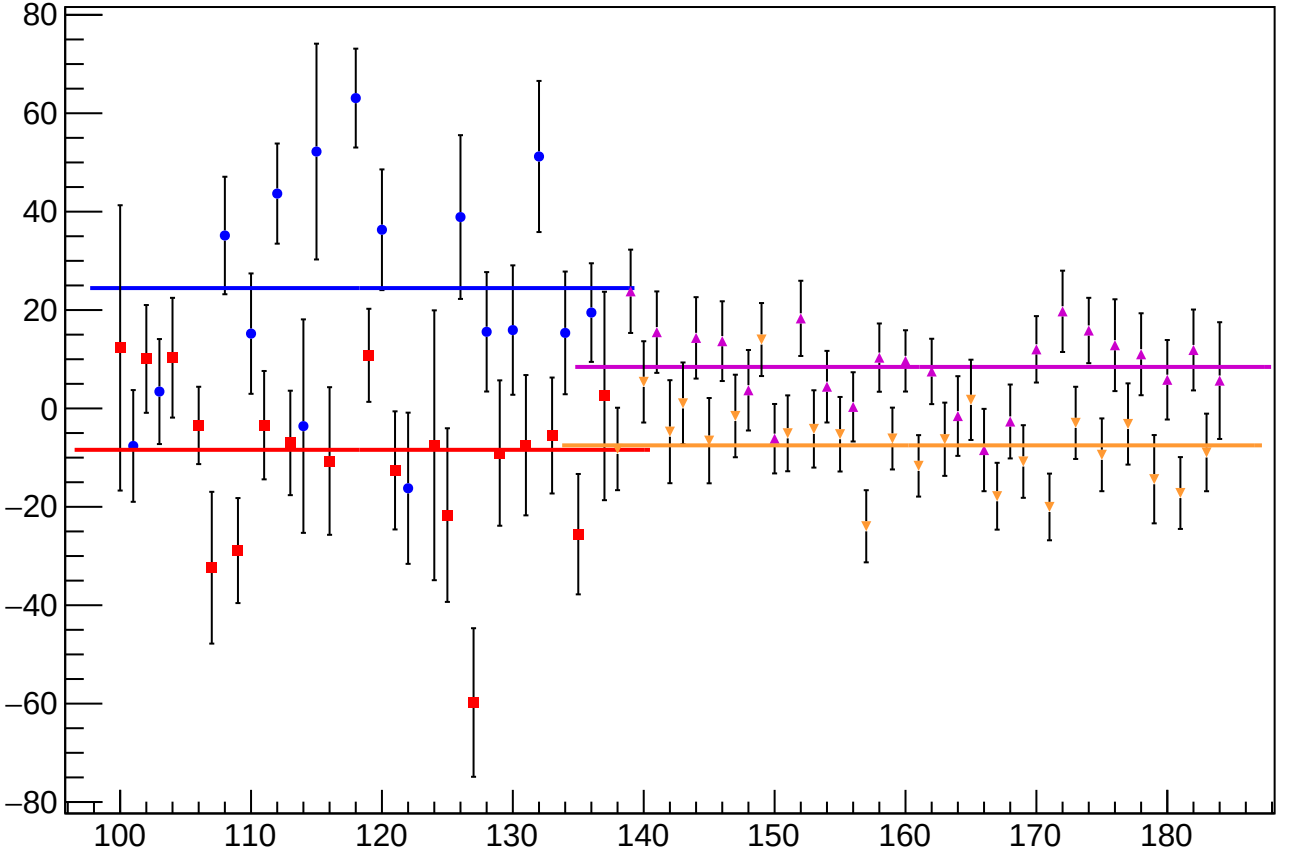
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1222.338+/-0.171 χ^2/NDF: 1167657.0/39

All: 1226.855+/-0.122 χ^2/NDF: 2300407.1/81

- sign 1231.529+/-0.174 χ^2/NDF: 1131325.7/41

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

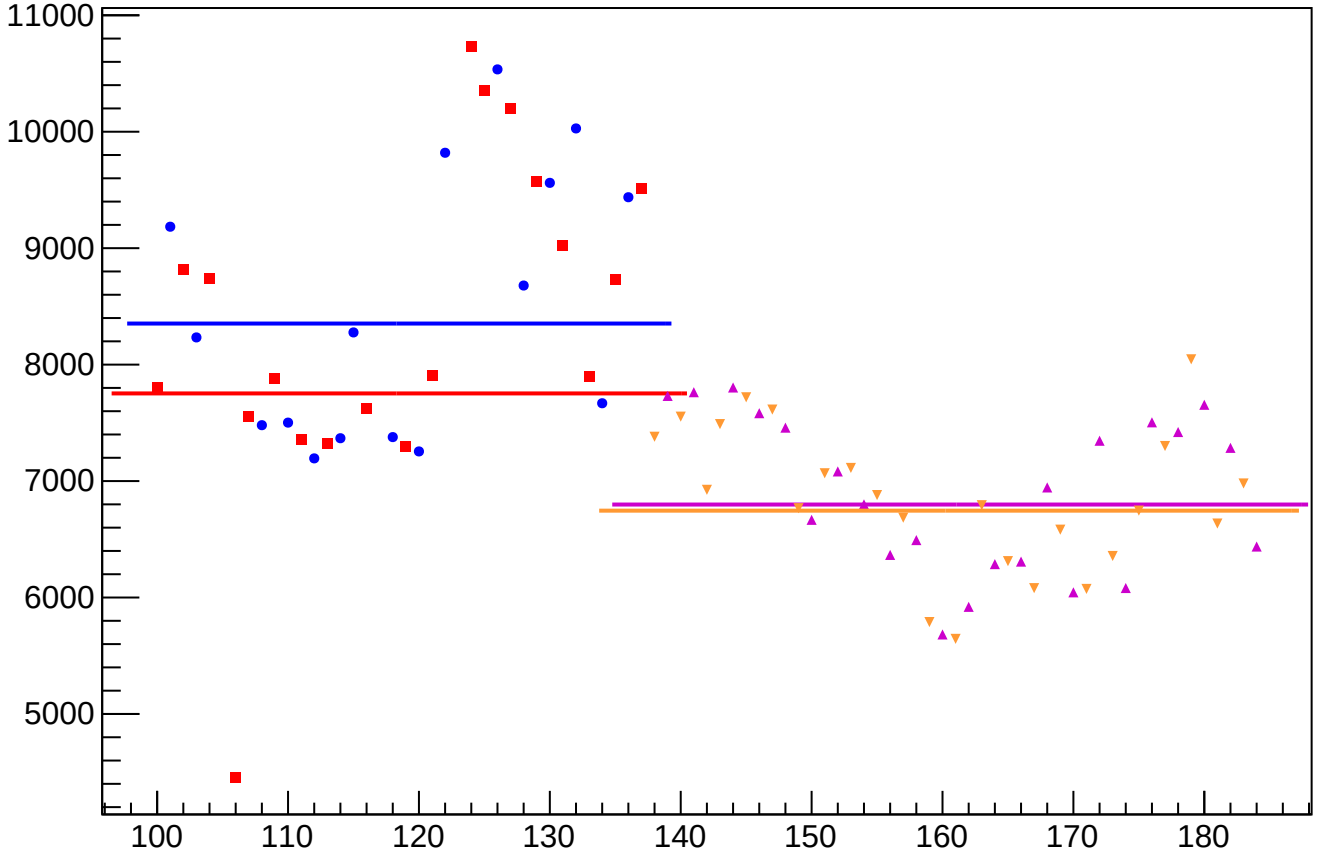
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -1.174+/-1.396 χ^2/NDF: 160.4/39

All: 1.632+/-0.989 χ^2/NDF: 250.4/81

- sign 4.469+/-1.403 χ^2/NDF: 81.9/41

diff_bpm0l10X_rms vs Slug



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

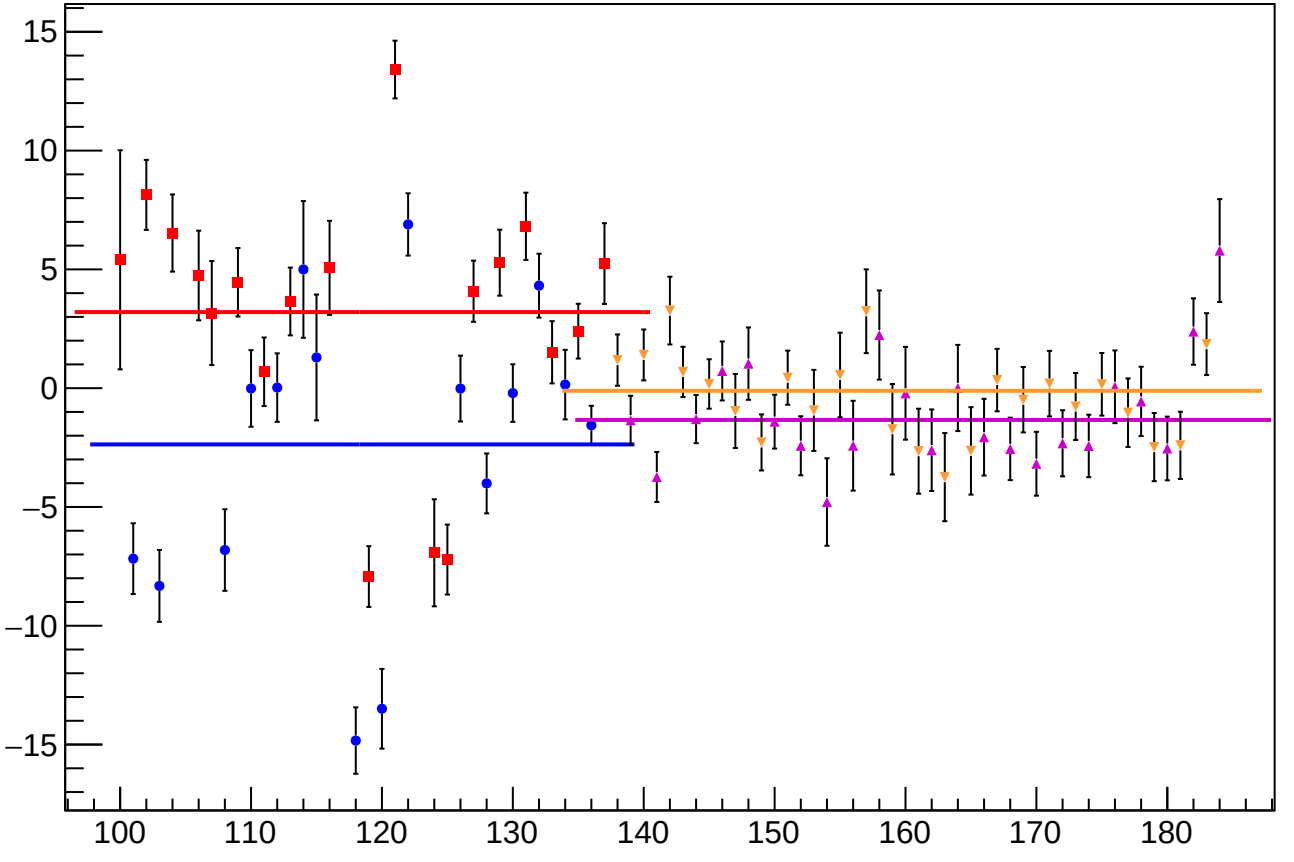
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7064.130+/-0.987 χ^2/NDF: 956730.9/39

All: 7043.799+/-0.700 χ^2/NDF: 2065484.7/81

- sign 7023.250+/-0.992 χ^2/NDF: 1107900.3/41

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

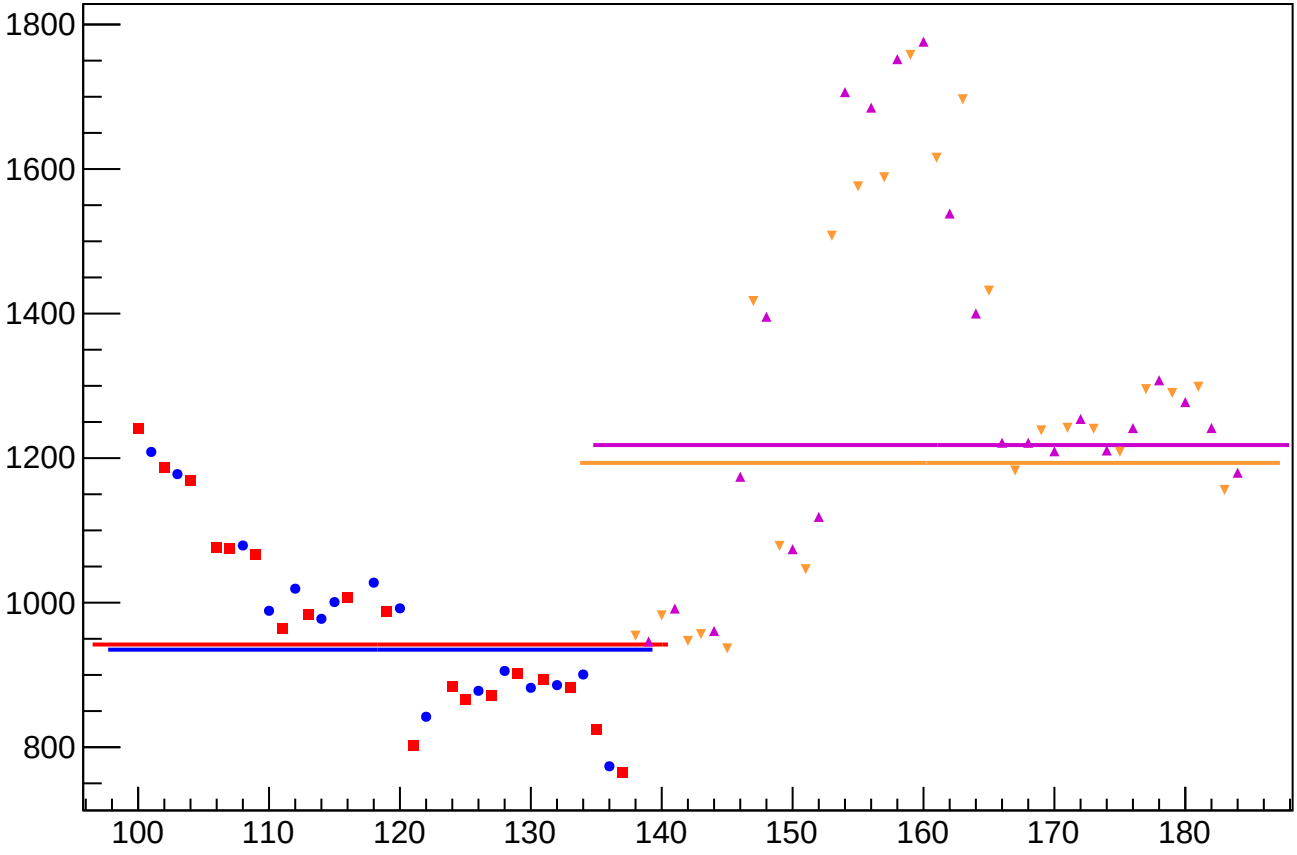
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -0.985+/-0.218 χ^2/NDF: 315.6/39

All: -0.240+/-0.156 χ^2/NDF: 734.9/81

- sign 0.535+/-0.222 χ^2/NDF: 395.5/41

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

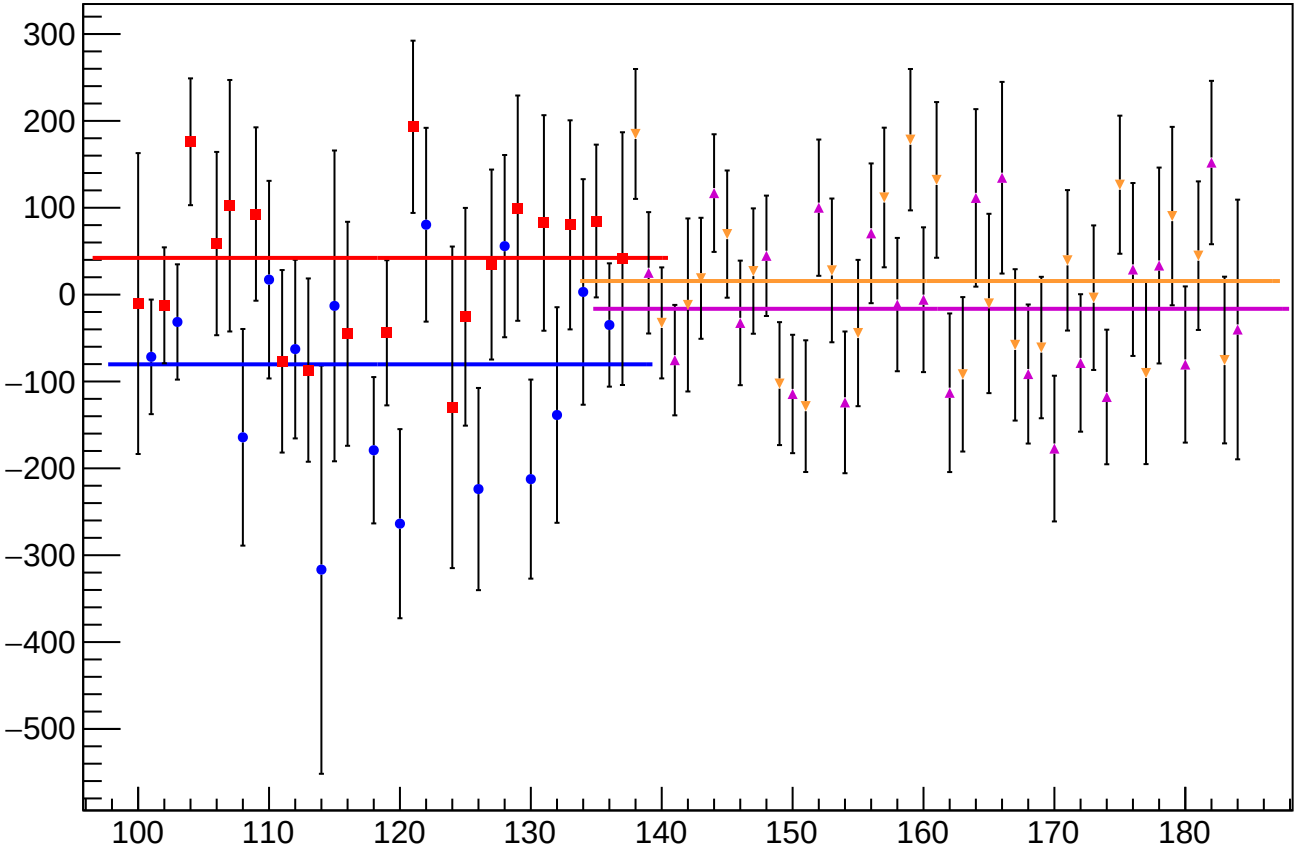
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1093.229+/-0.154 χ^2/NDF: 2239393.3/39

All: 1098.638+/-0.110 χ^2/NDF: 4348280.5/81

- sign 1104.259+/-0.157 χ^2/NDF: 2106380.9/41

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

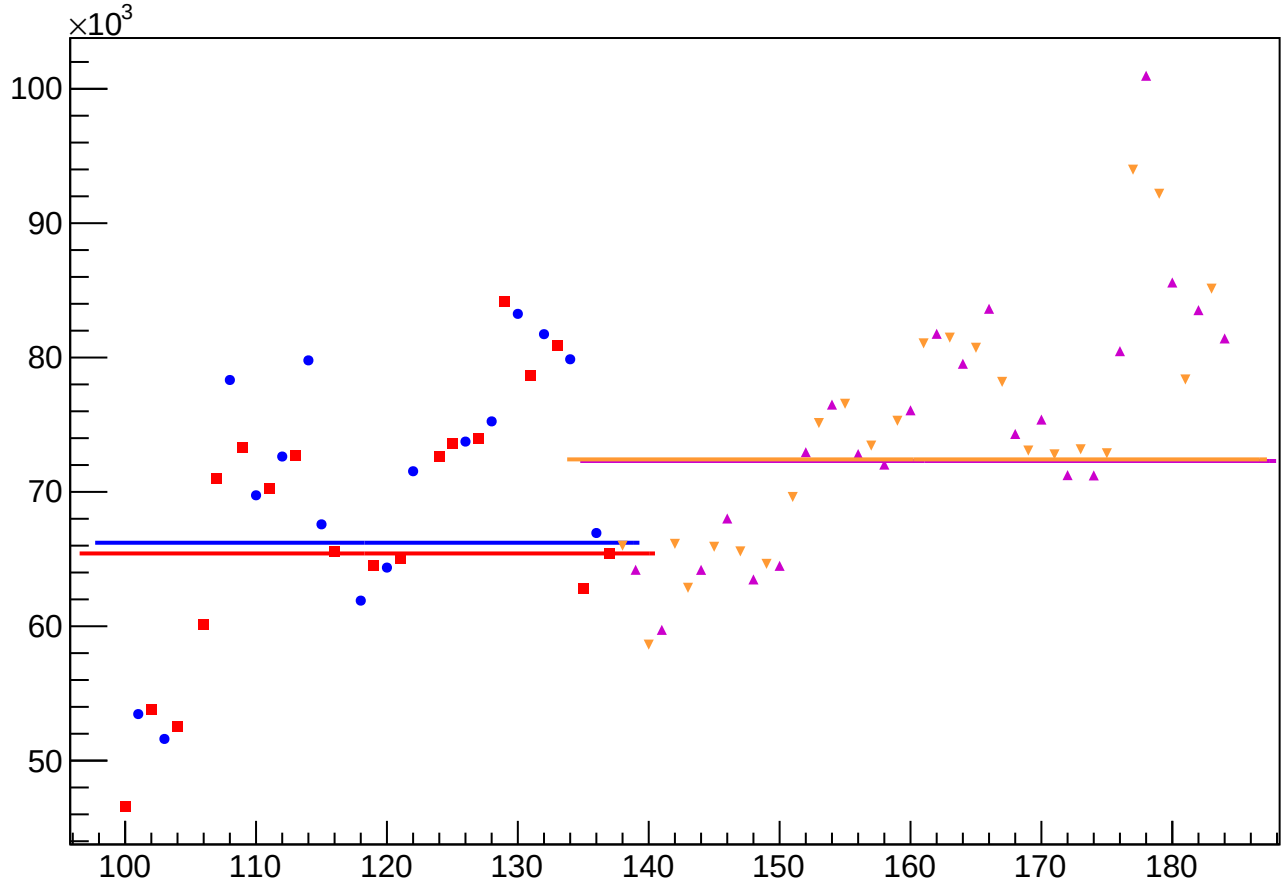
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -14.063+/-13.866 χ^2/NDF: 53.2/39

All: -5.503+/-9.820 χ^2/NDF: 99.6/81

- sign 3.111+/-13.910 χ^2/NDF: 45.6/41



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

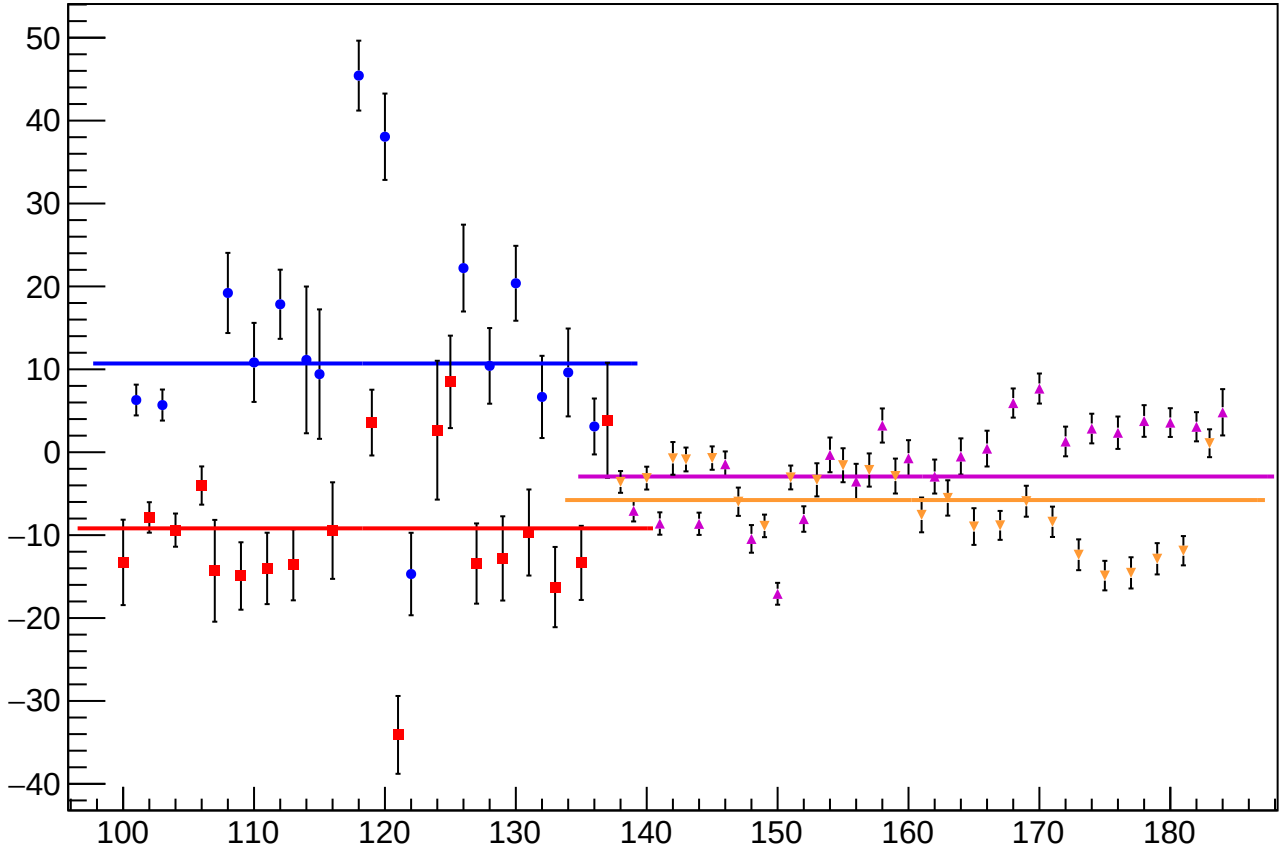
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 70497.623+/-9.804 χ^2/NDF: 912820.7/39

All: 70257.790+/-6.944 χ^2/NDF: 1815917.8/8

- sign 70016.424+/-9.836 χ^2/NDF: 901896.6/41

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

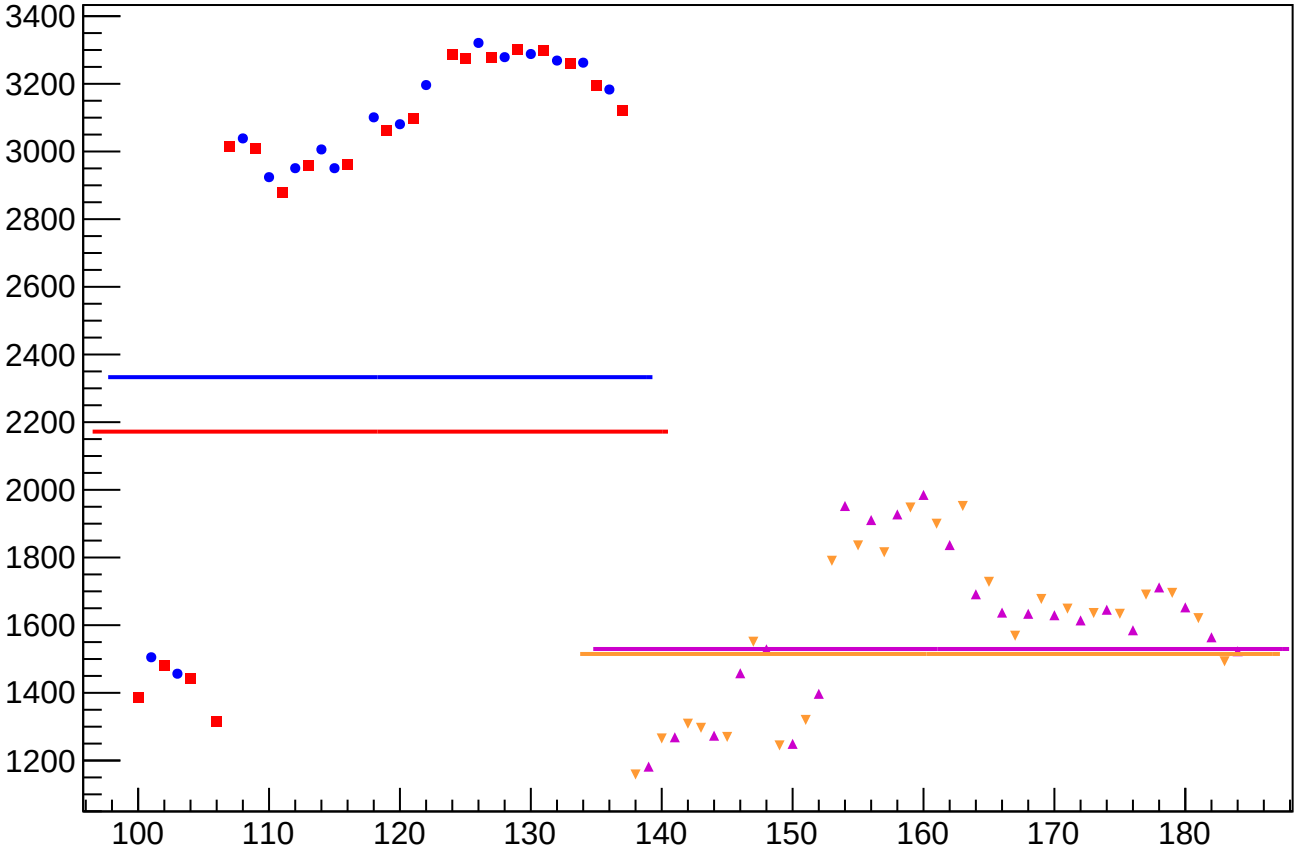
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -3.672+/-0.328 χ^2/NDF: 603.3/39

All: -3.779+/-0.234 χ^2/NDF: 1056.3/81

- sign -3.890+/-0.333 χ^2/NDF: 452.7/41

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

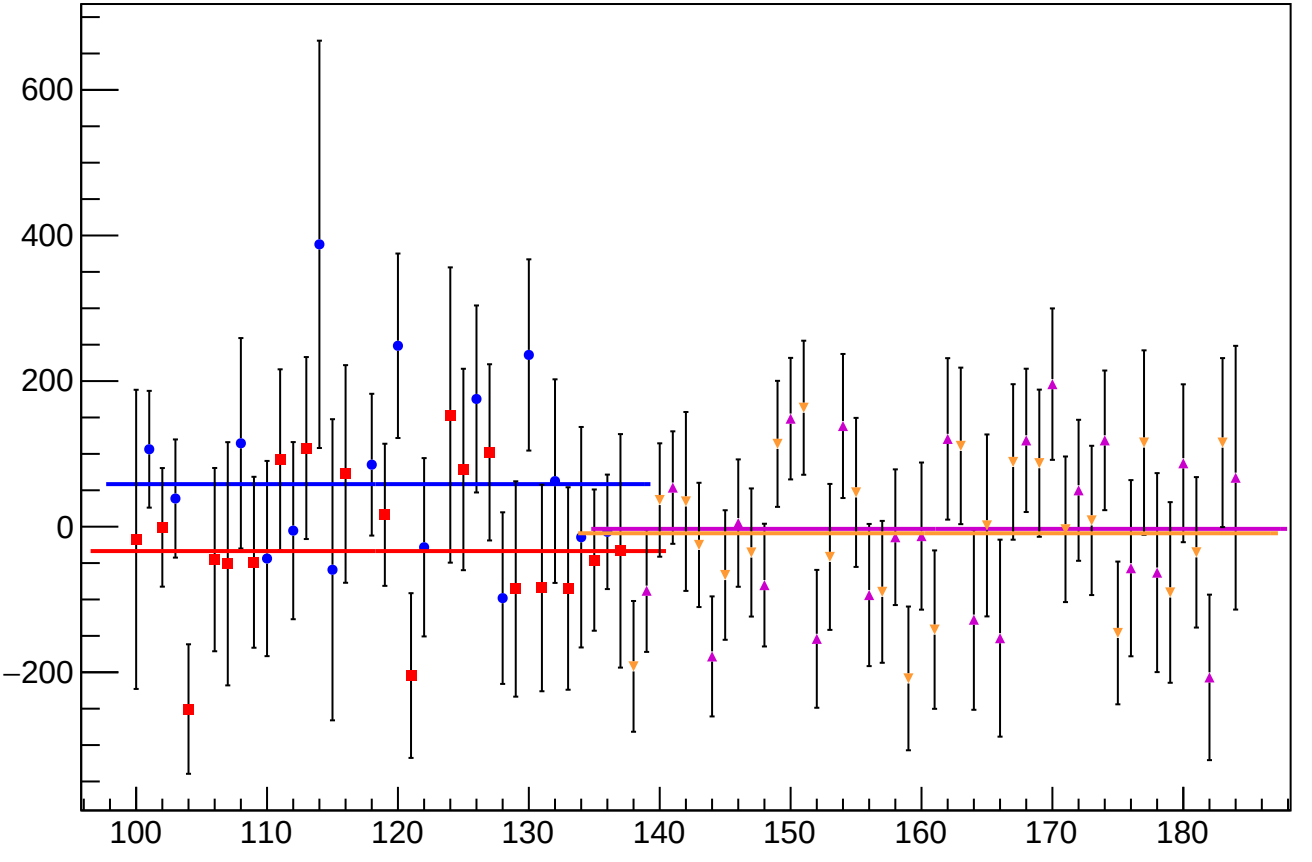
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1619.052+/-0.232 χ^2/NDF: 3962959.0/39

All: 1623.640+/-0.165 χ^2/NDF: 7742939.3/81

- sign 1628.364+/-0.236 χ^2/NDF: 3779188.3/41

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

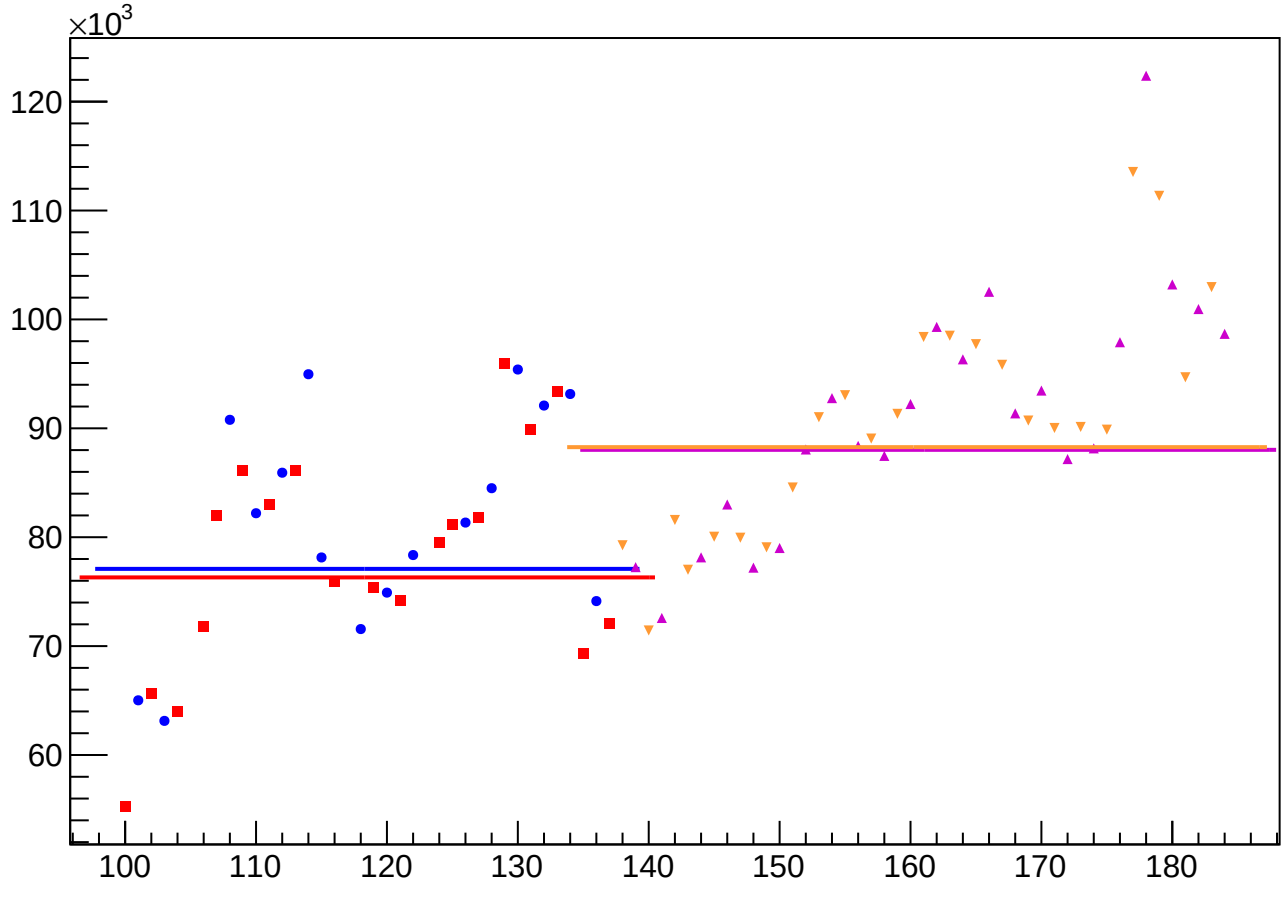
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 13.291+/-16.638 χ^2/NDF: 39.9/39

All: -0.201+/-11.779 χ^2/NDF: 87.3/81

- sign -13.757+/-16.678 χ^2/NDF: 46.1/41



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

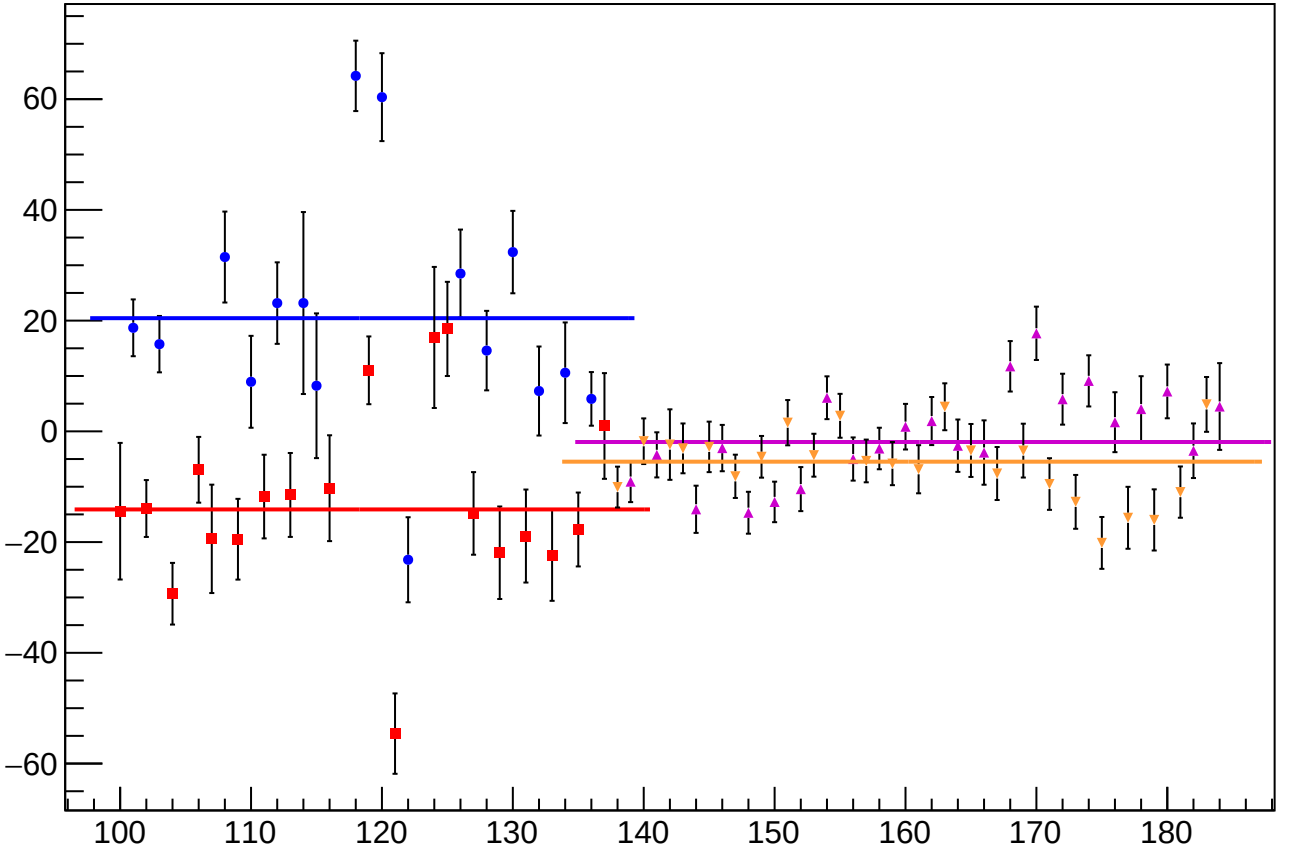
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 84570.356+/-11.765 χ^2/NDF: 919817.3/39

All: 84235.291+/-8.329 χ^2/NDF: 1865811.5/8

- sign 83898.614+/-11.793 χ^2/NDF: 944368.0/41

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

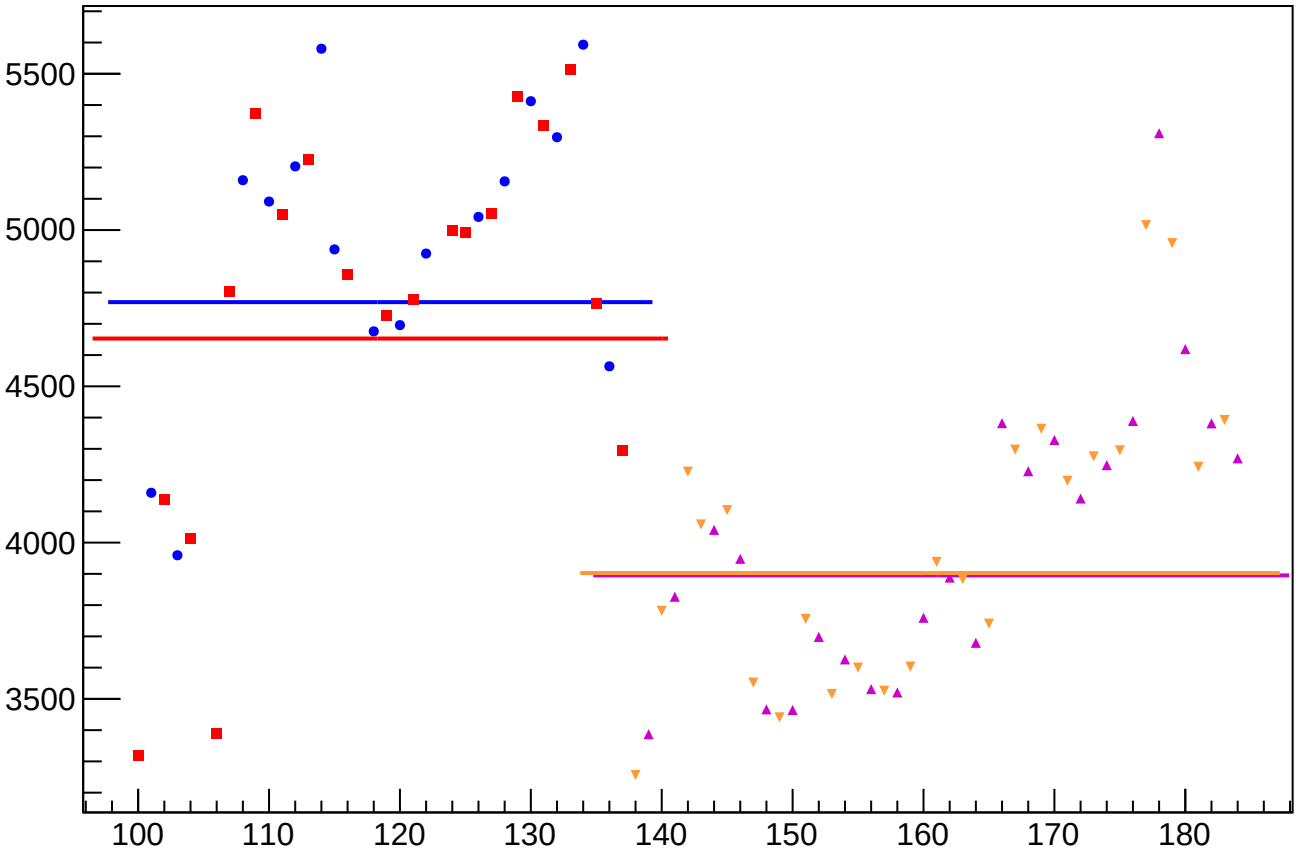
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.220+/-0.802 χ^2/NDF: 339.2/39

All: -2.411+/-0.569 χ^2/NDF: 560.5/81

- sign -4.631+/-0.808 χ^2/NDF: 206.3/41



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3902.716+/-0.636 χ^2/NDF:436127.3/23

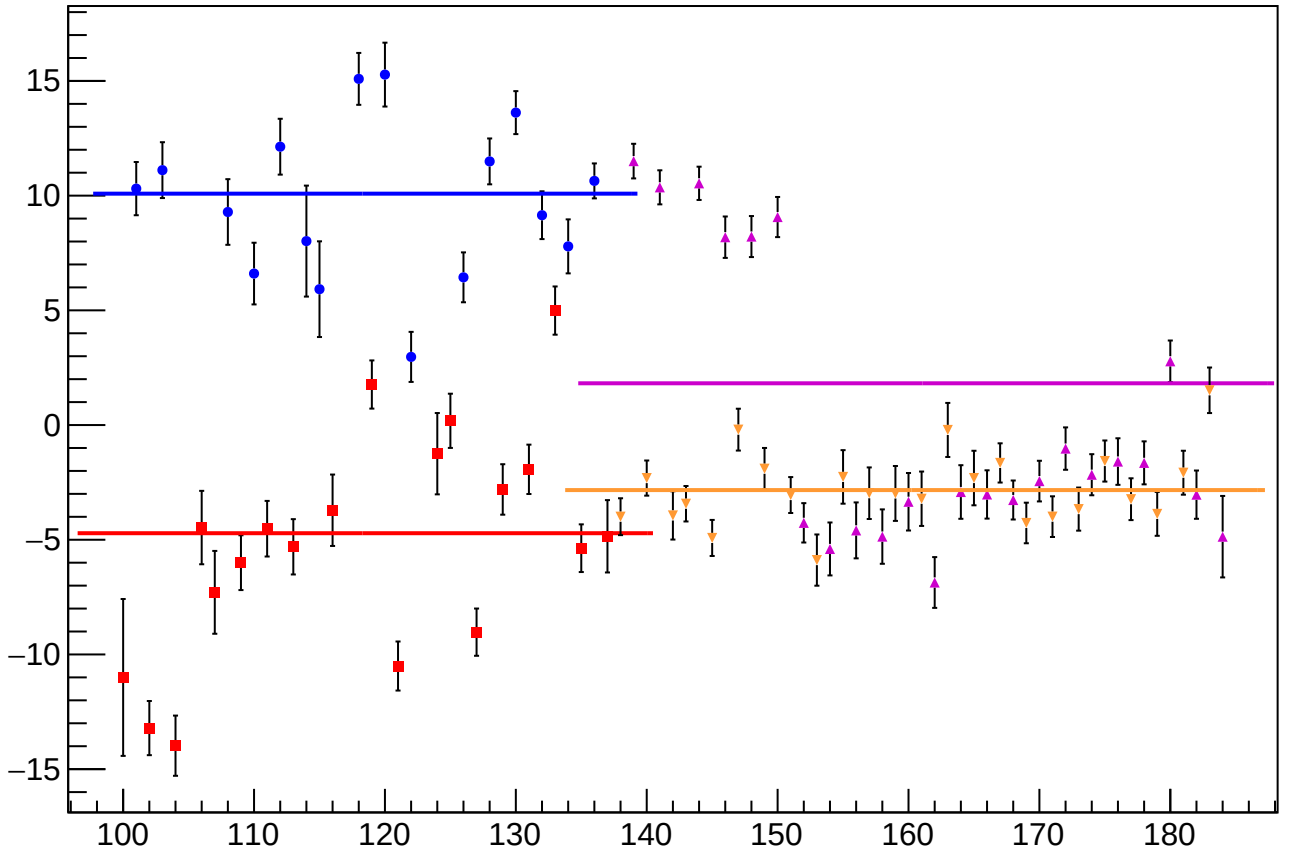
Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 4078.485+/-0.567 χ^2/NDF: 964935.7/39

All: 4071.096+/-0.403 χ^2/NDF: 1944491.6/81

- sign 4063.605+/-0.571 χ^2/NDF: 979214.4/41



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

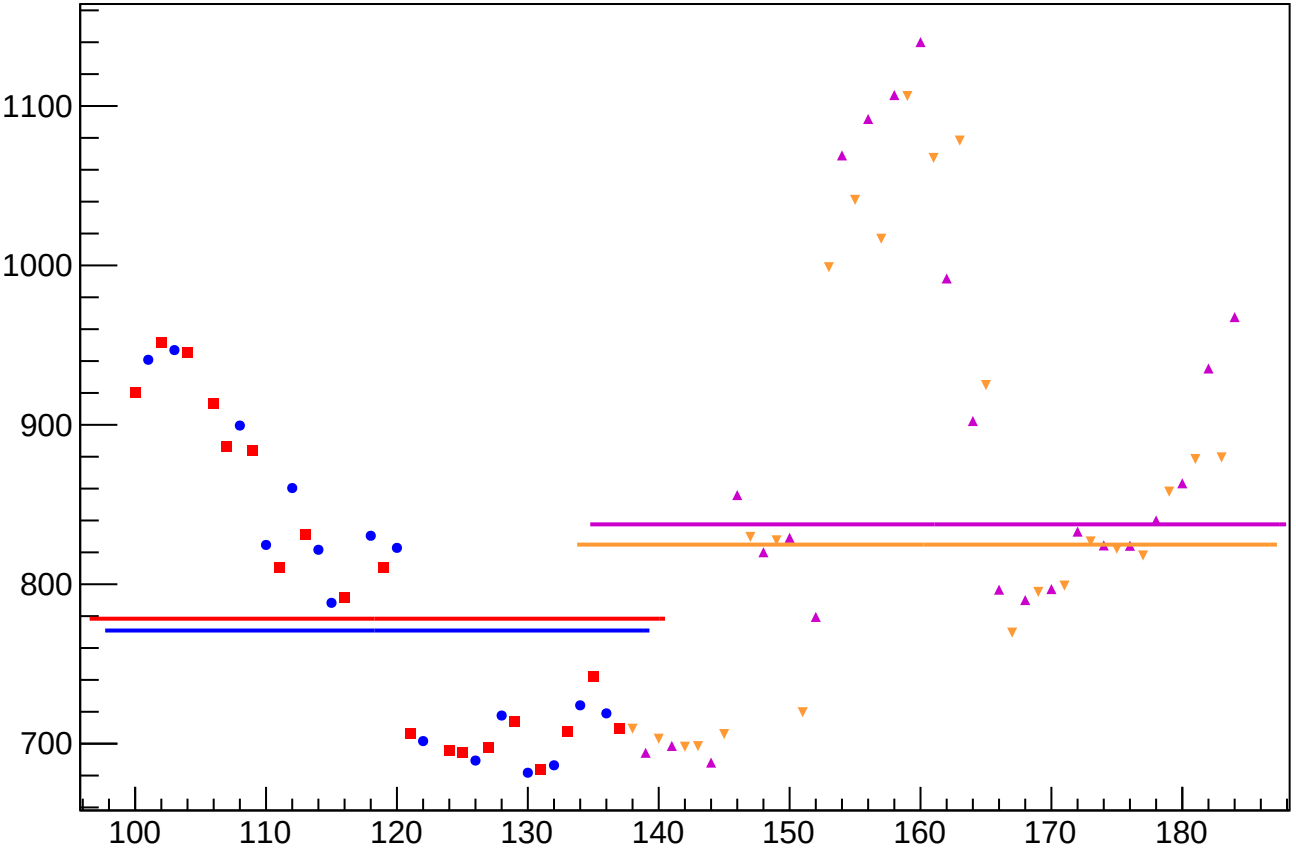
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.109+/-0.159 χ^2/NDF: 1582.8/39

All: 0.419+/-0.114 χ^2/NDF: 3310.6/81

- sign -0.302+/-0.163 χ^2/NDF: 1689.4/41

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

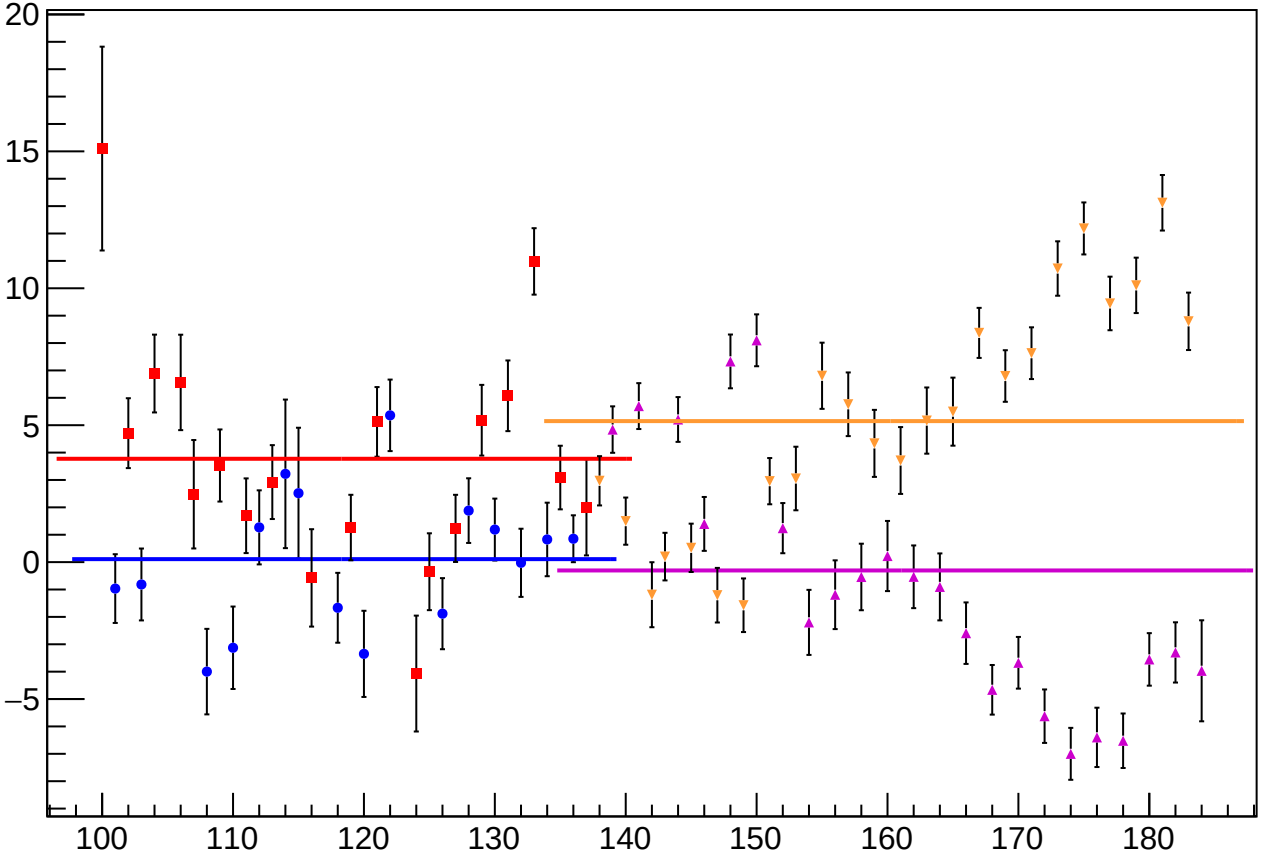
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

\+ sign 808.421+/-0.113 χ^2/NDF: 1001490.8/39

All: 813.278+/-0.081 χ^2/NDF: 1973905.6/81

\- sign 818.353+/-0.115 χ^2/NDF: 968613.6/41

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

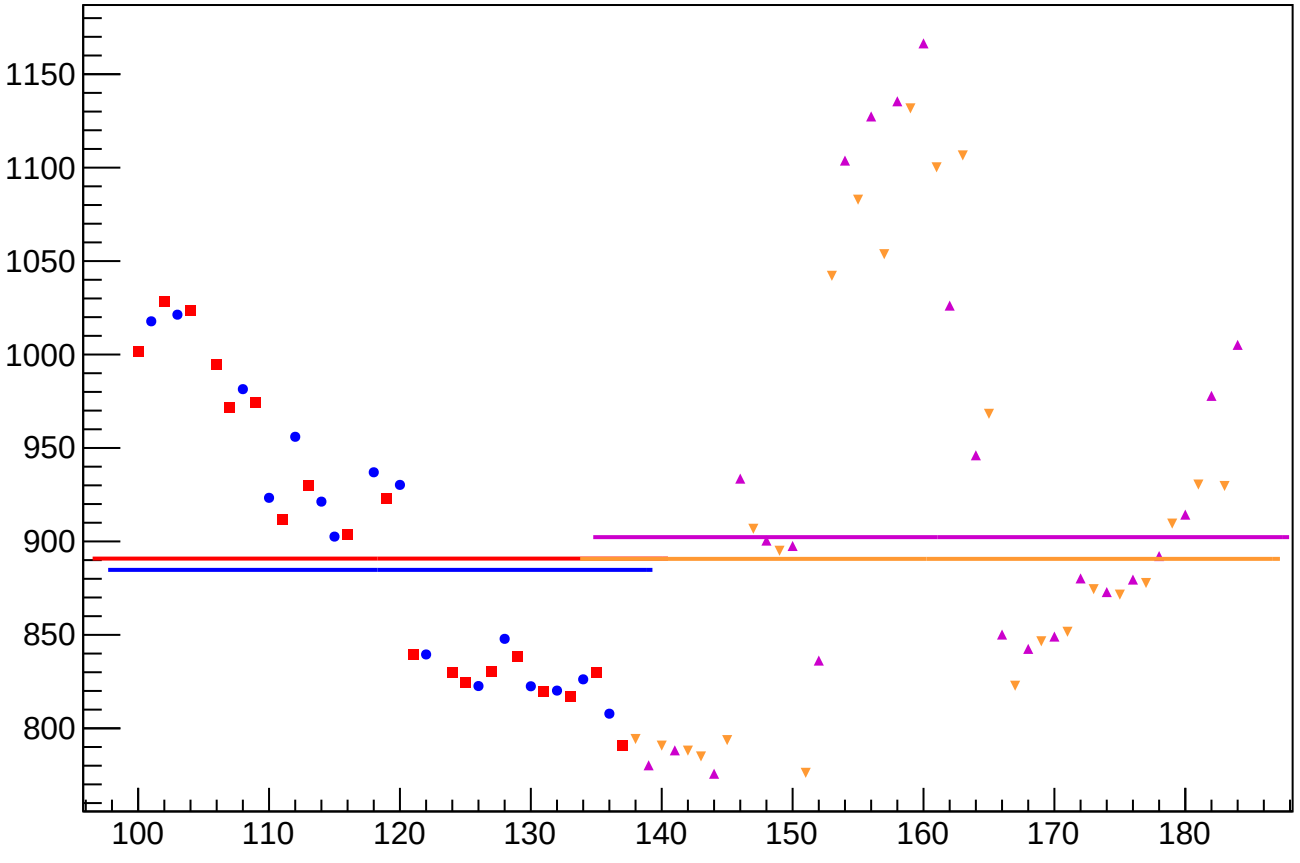
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 3.740+/-0.174 χ^2/NDF: 653.6/39

All: 2.355+/-0.125 χ^2/NDF: 1486.7/81

- sign 0.913+/-0.178 χ^2/NDF: 704.5/41

diff_bpm2i01Y_rms vs Slug



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

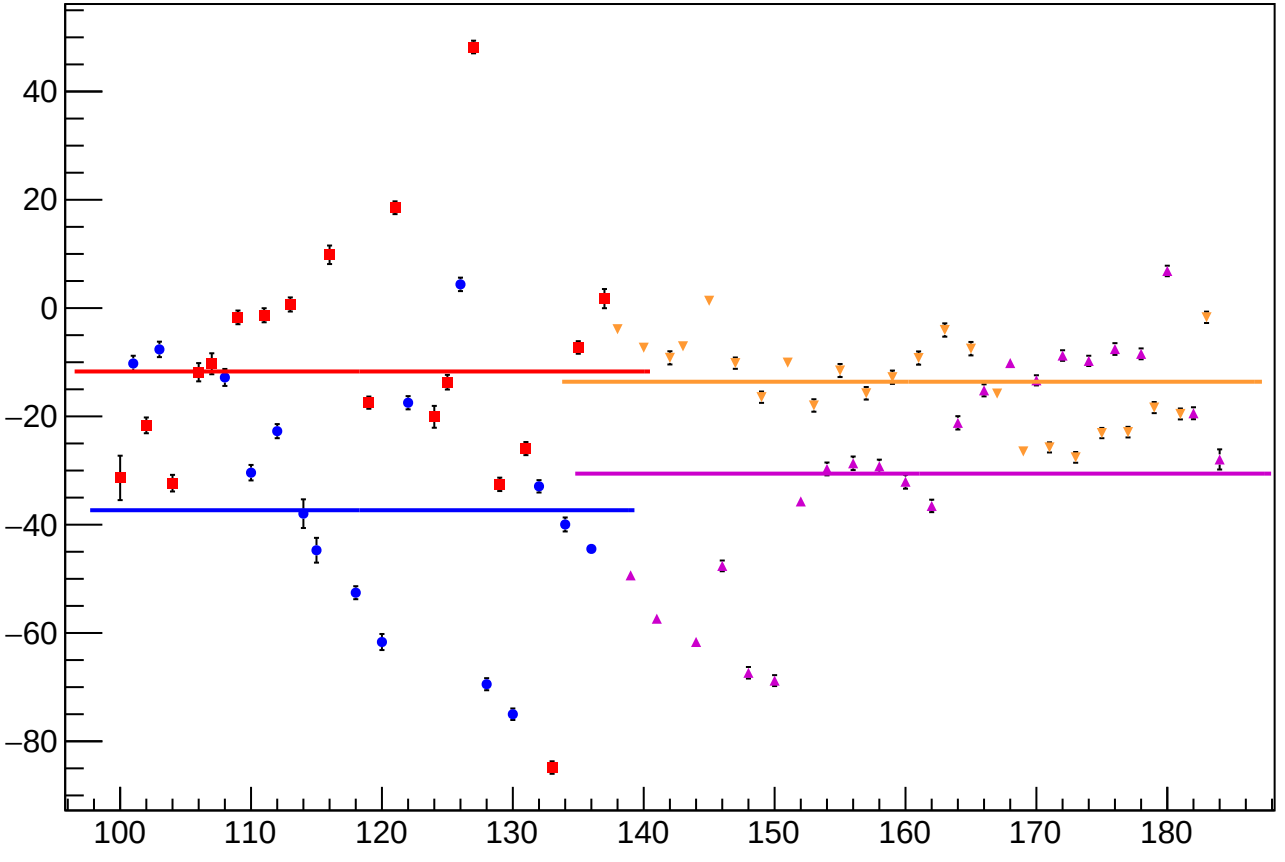
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 889.020+/-0.123 χ^2/NDF: 620010.8/39

All: 893.841+/-0.088 χ^2/NDF: 1217556.7/81

- sign 898.867+/-0.126 χ^2/NDF: 594426.6/41

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

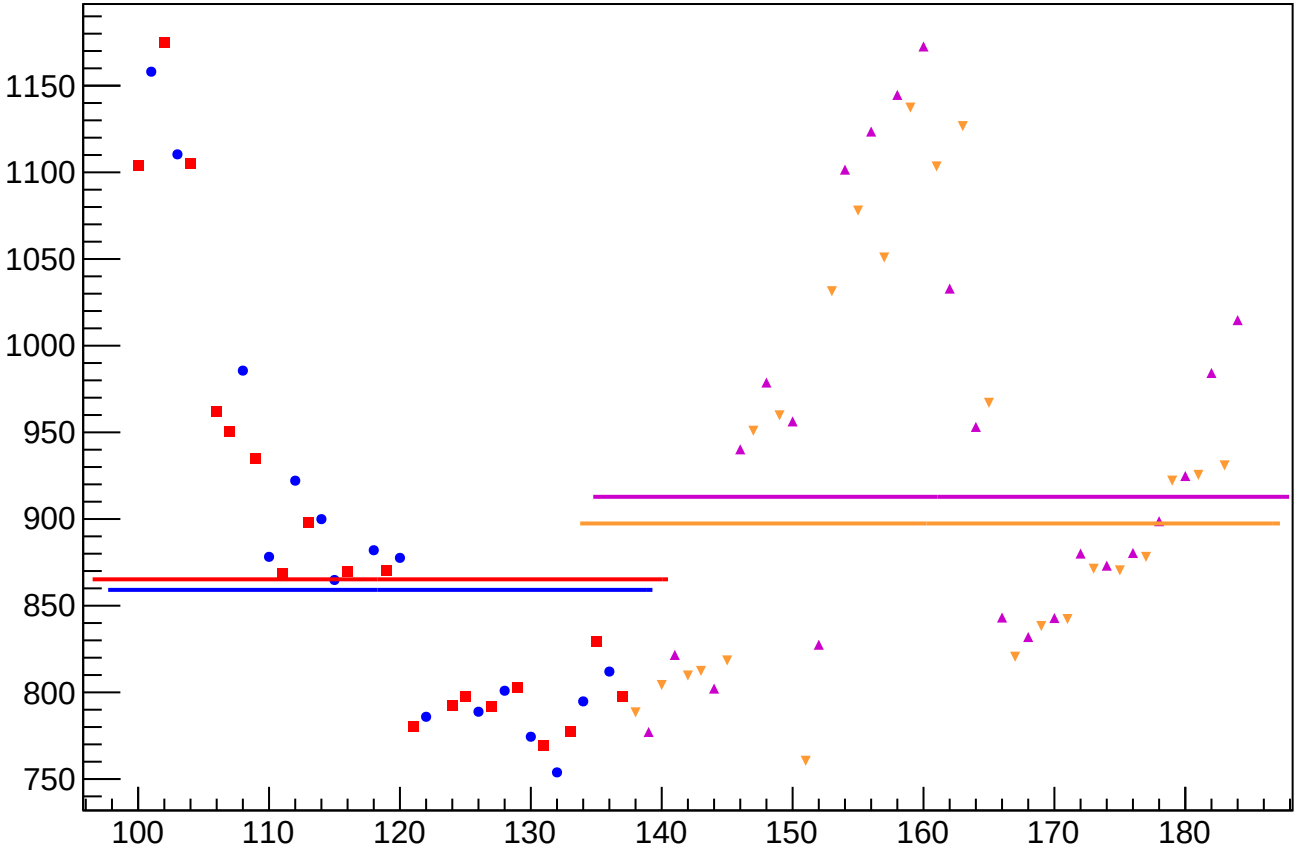
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -20.555+/-0.174 χ^2/NDF: 10630.0/39

All: -22.553+/-0.125 χ^2/NDF: 32164.4/81

\- sign -24.644+/-0.178 χ^2/NDF: 21265.1/41

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

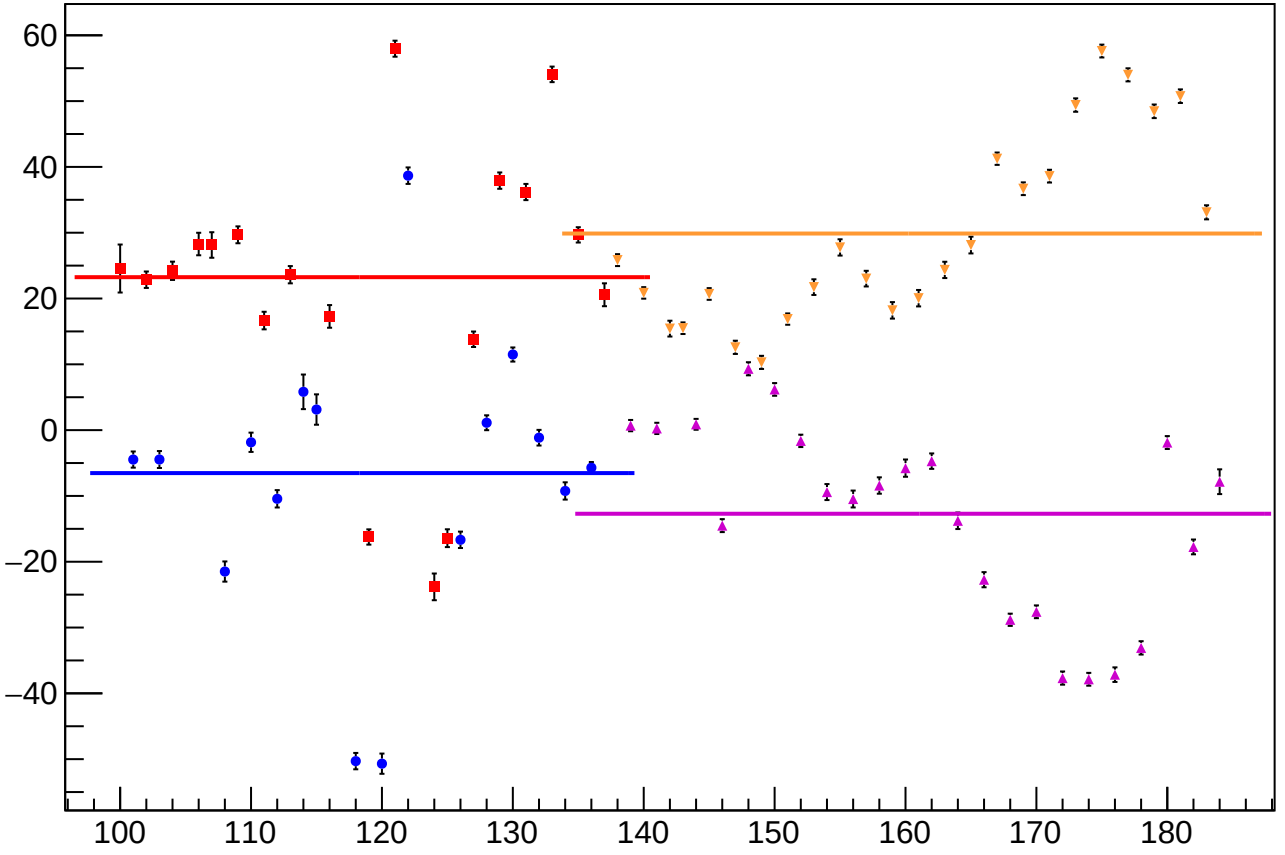
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 886.204+/-0.123 χ^2/NDF: 764628.4/39

All: 891.900+/-0.088 χ^2/NDF: 1503448.7/81

- sign 897.861+/-0.126 χ^2/NDF: 734444.1/41

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

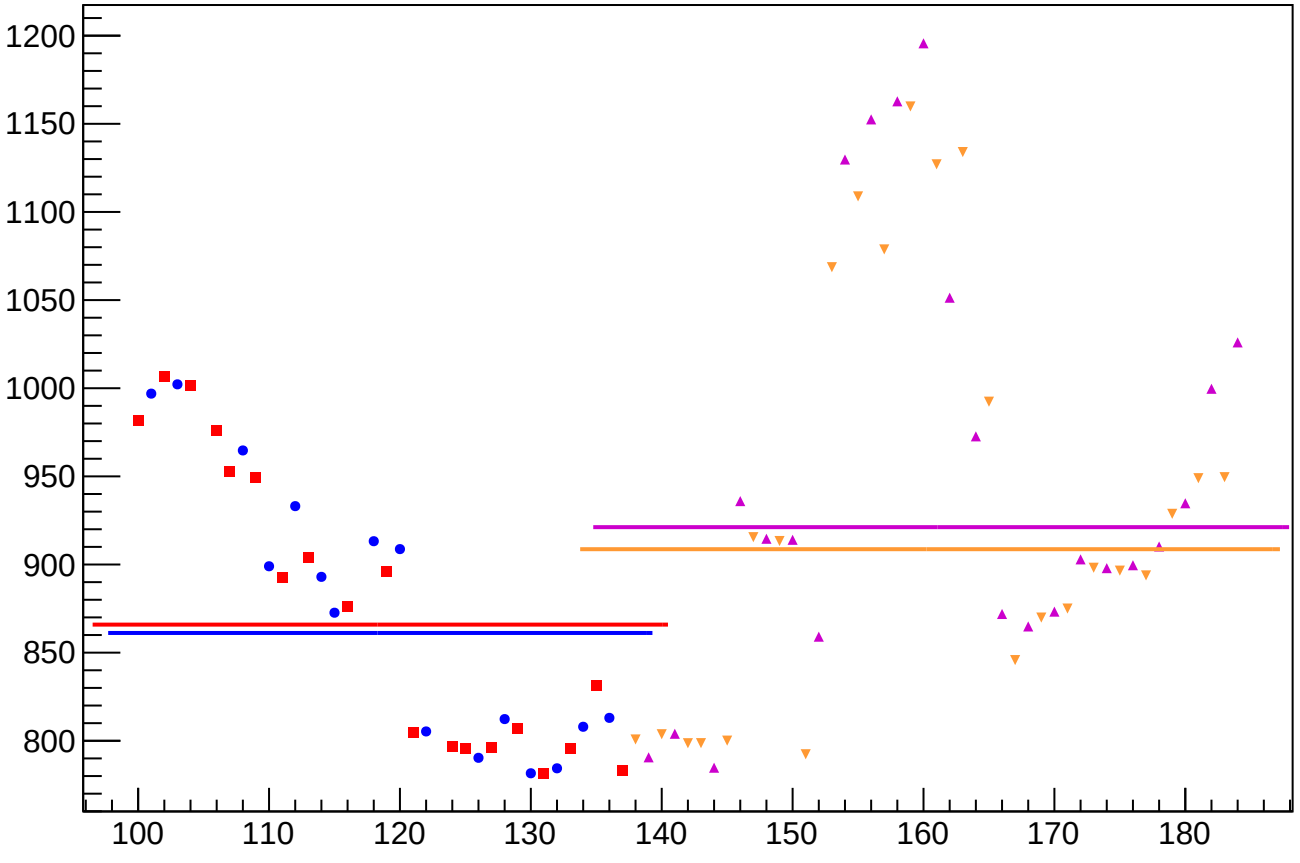
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 18.990+/-0.176 χ^2/NDF: 17527.5/39

All: 9.080+/-0.125 χ^2/NDF: 42037.7/81

- sign -1.229+/-0.179 χ^2/NDF: 18015.3/41

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

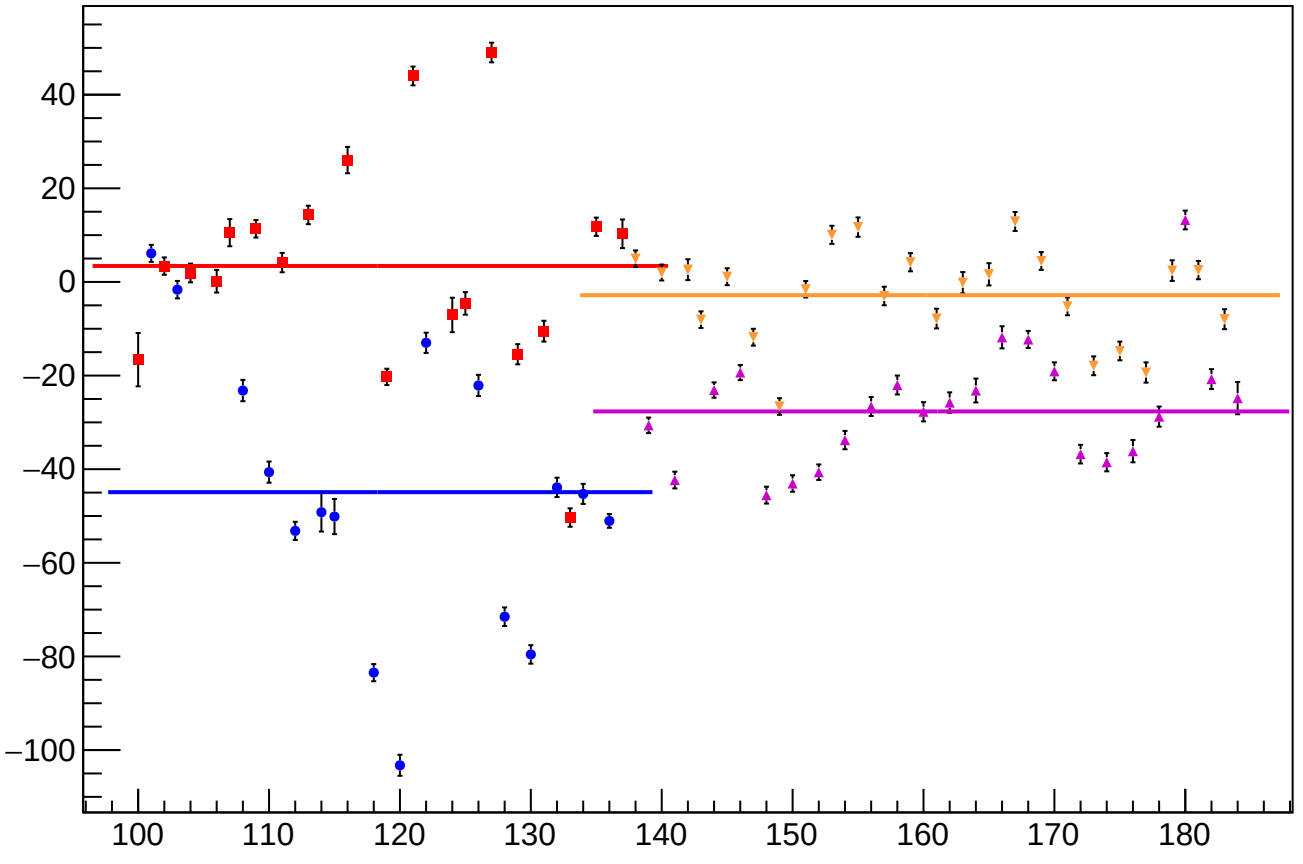
Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 894.479+/-0.124 χ^2/NDF: 683029.5/39

All: 898.922+/-0.089 χ^2/NDF: 1342805.9/81

- sign 903.543+/-0.127 χ^2/NDF: 657165.8/41



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

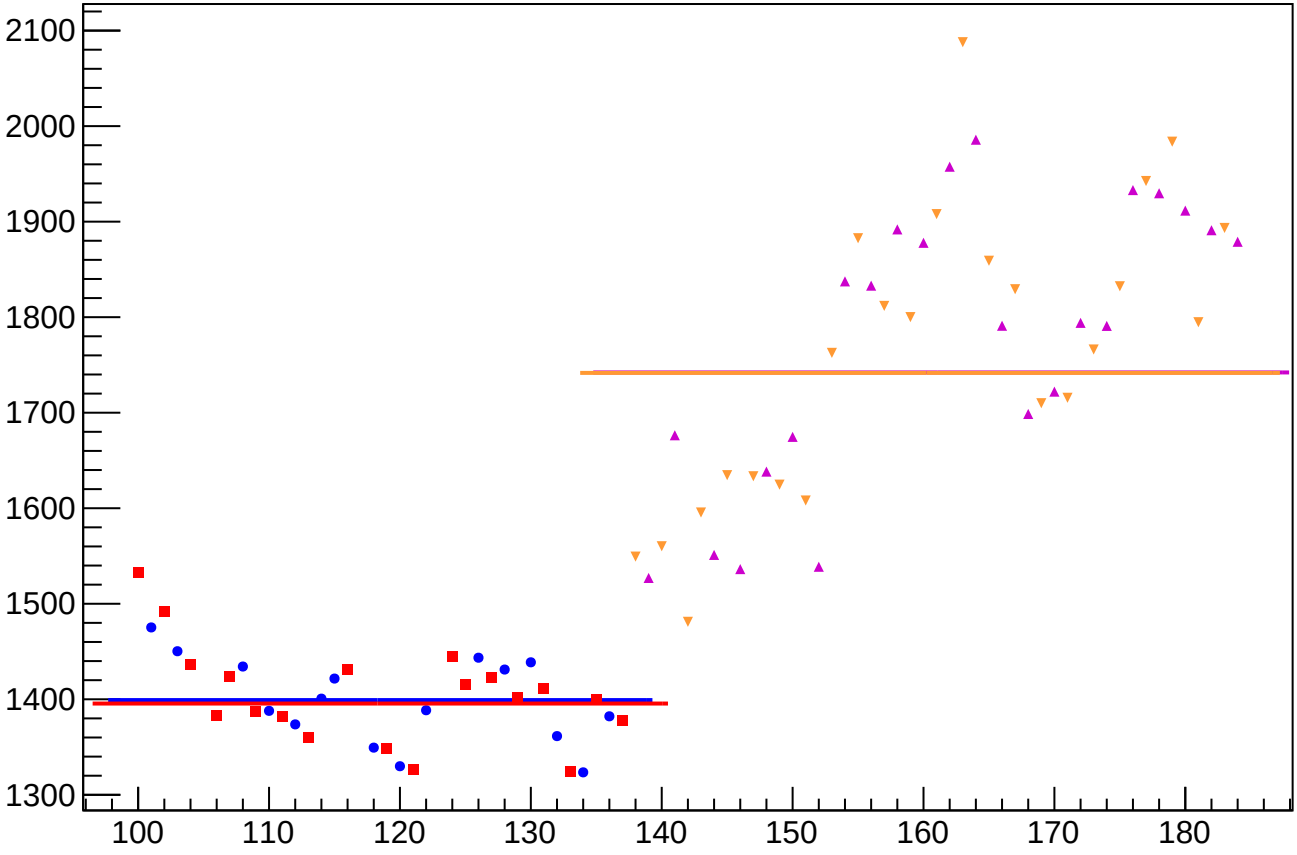
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -18.465+/-0.317 χ^2/NDF: 8108.1/39

All: -16.983+/-0.225 χ^2/NDF: 13509.9/81

- sign -15.484+/-0.319 χ^2/NDF: 5357.8/41

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

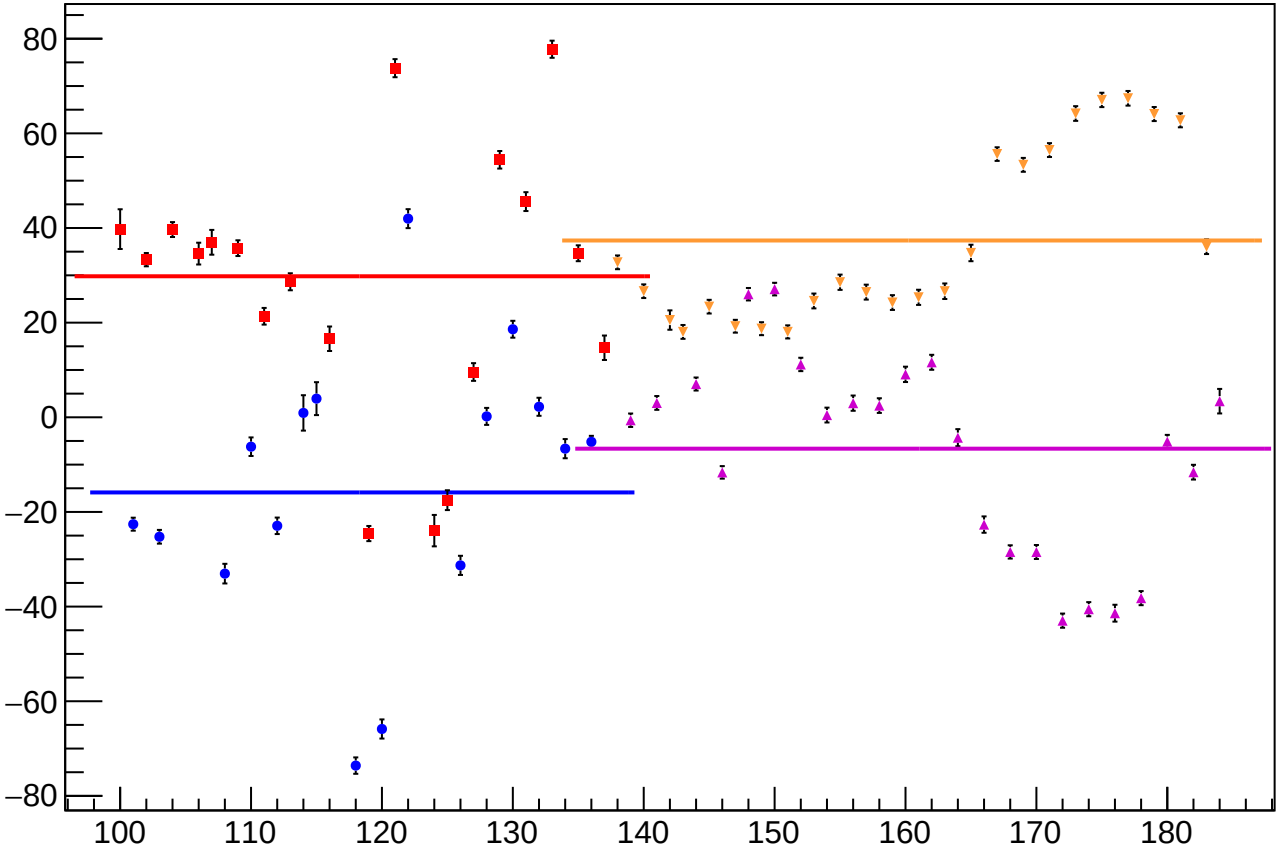
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1614.382+/-0.224 χ^2/NDF: 821967.6/39

All: 1610.376+/-0.159 χ^2/NDF: 1664087.1/81

- sign 1606.325+/-0.225 χ^2/NDF: 841476.8/41

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

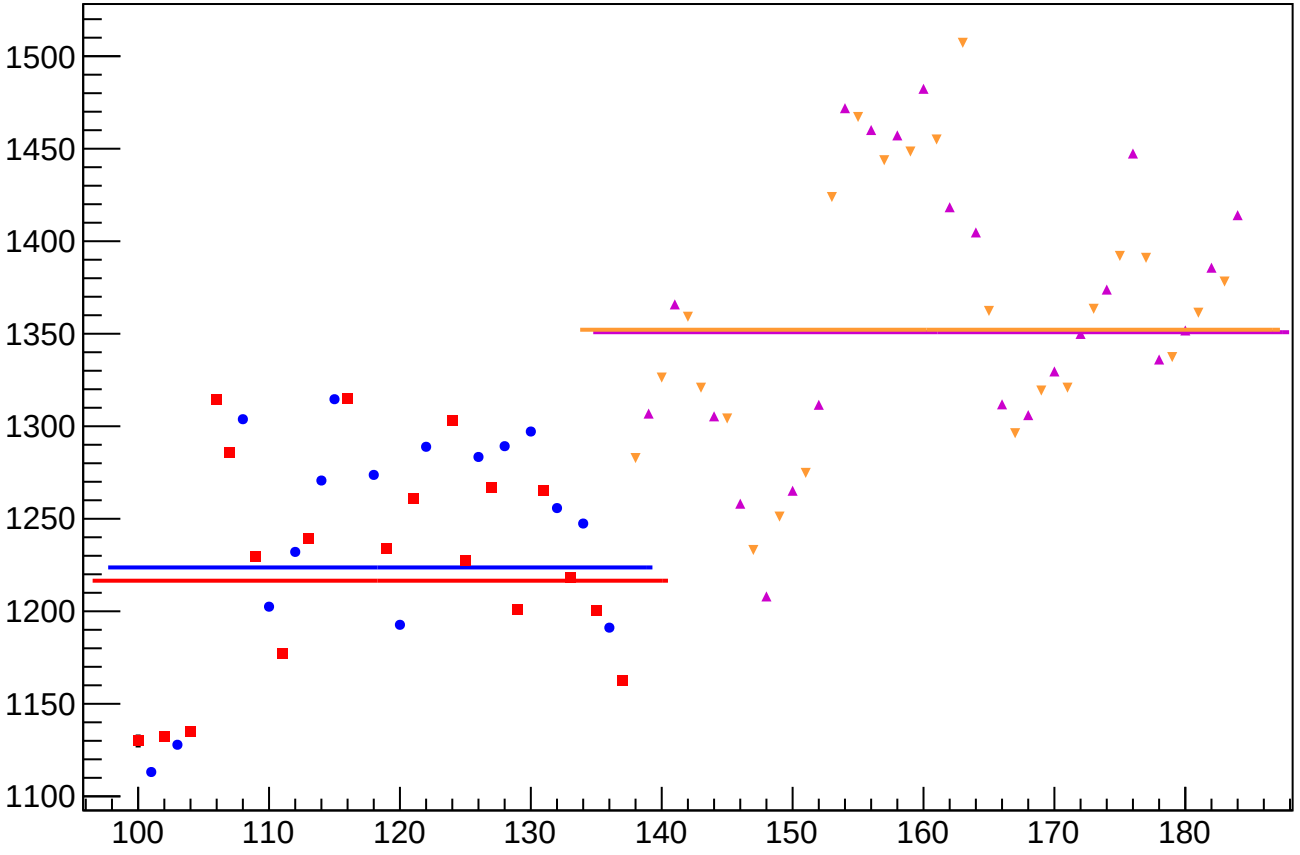
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

\+ sign 20.510+/-0.256 χ^2/NDF: 16221.2/39

All: 13.101+/-0.182 χ^2/NDF: 30459.3/81

\- sign 5.609+/-0.258 χ^2/NDF: 12555.1/41

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

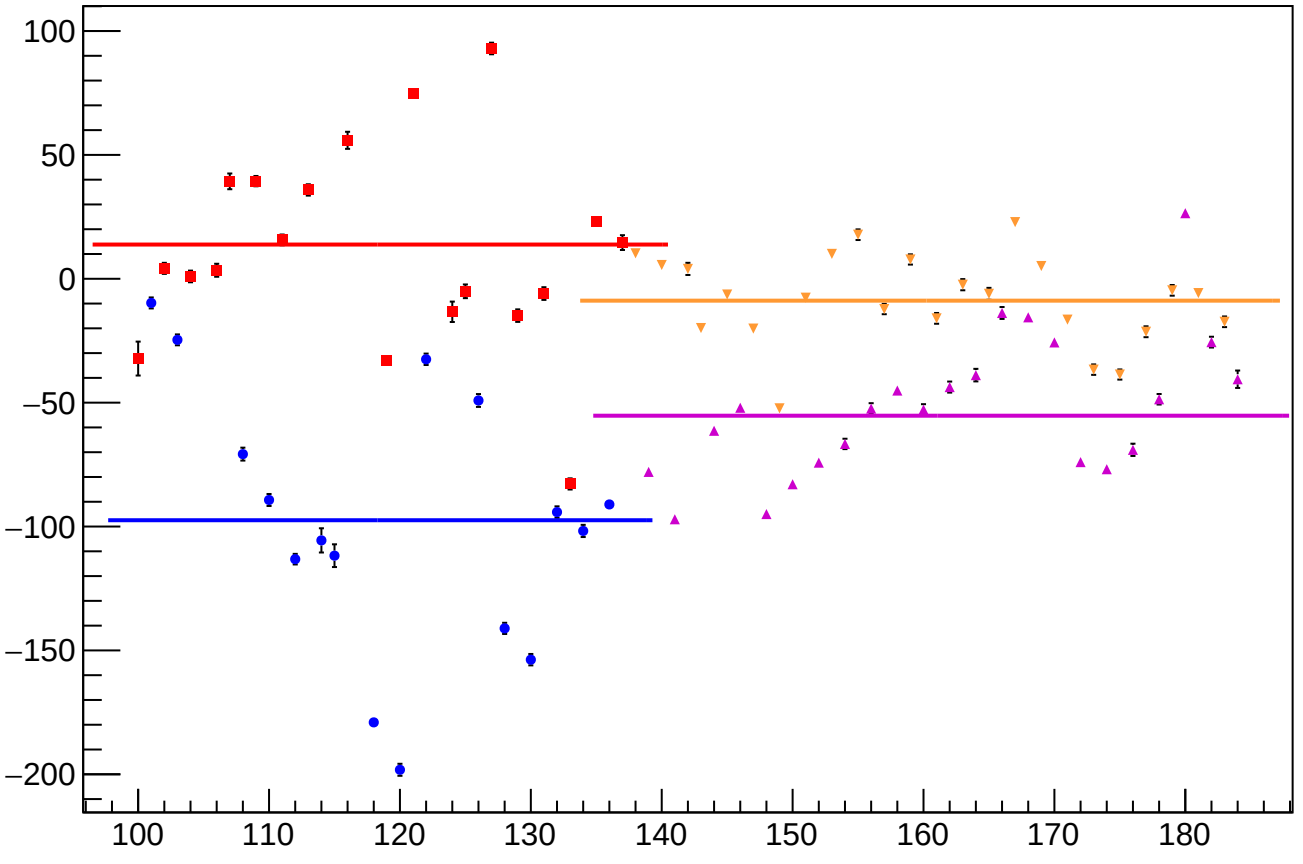
Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1311.503+/-0.181 χ^2/NDF: 253861.5/39

All: 1308.623+/-0.128 χ^2/NDF: 513675.2/81

- sign 1305.710+/-0.182 χ^2/NDF: 259305.0/41



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

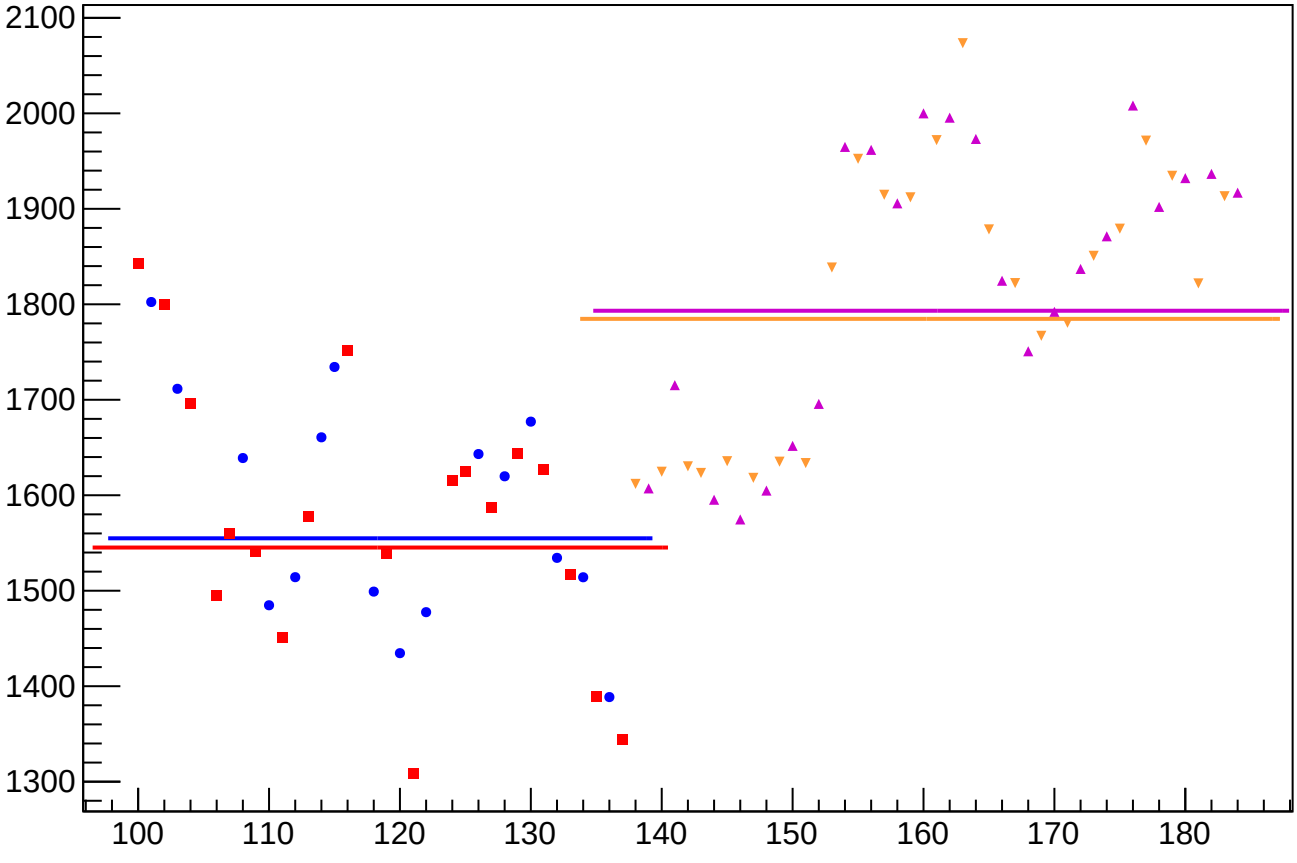
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -38.369+/-0.335 χ^2/NDF: 25850.8/39

All: -34.558+/-0.238 χ^2/NDF: 45807.5/81

- sign -30.680+/-0.337 χ^2/NDF: 19694.9/41

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

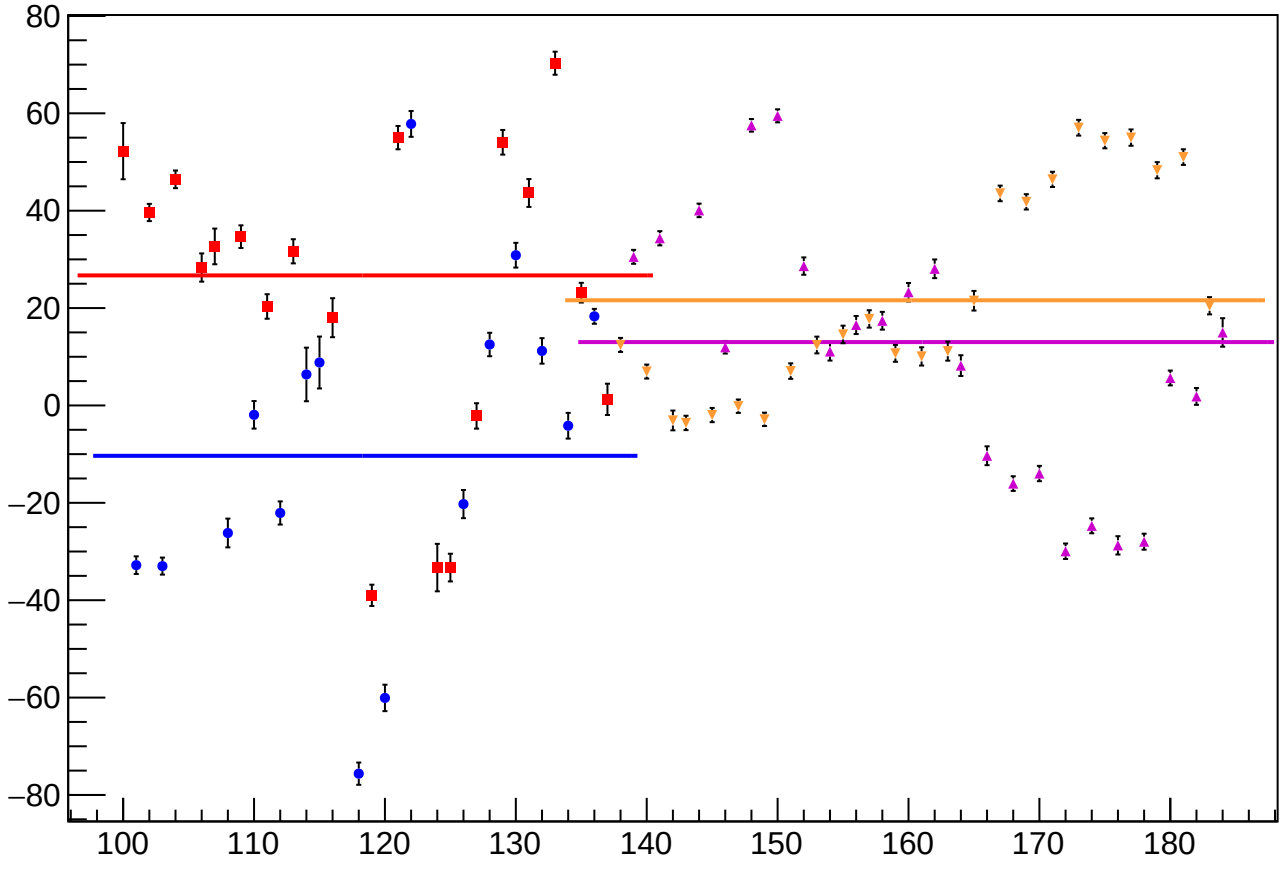
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1708.135+/-0.237 χ^2/NDF: 533781.6/39

All: 1706.573+/-0.168 χ^2/NDF: 1143075.8/81

- sign 1704.984+/-0.239 χ^2/NDF: 609206.2/41



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

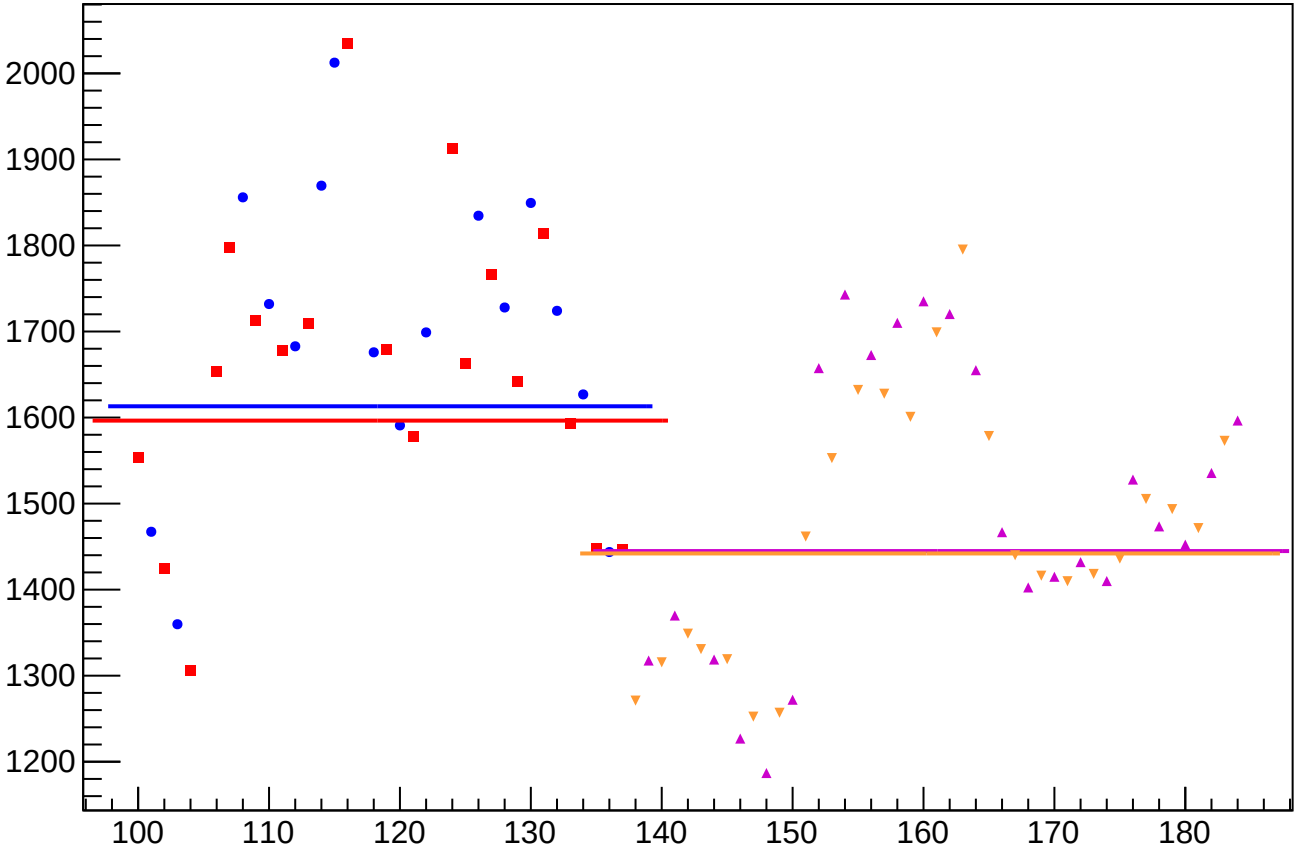
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 14.181+/-0.291 χ^2/NDF: 9320.6/39

All: 15.307+/-0.207 χ^2/NDF: 18927.2/81

- sign 16.460+/-0.294 χ^2/NDF: 9576.2/41

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

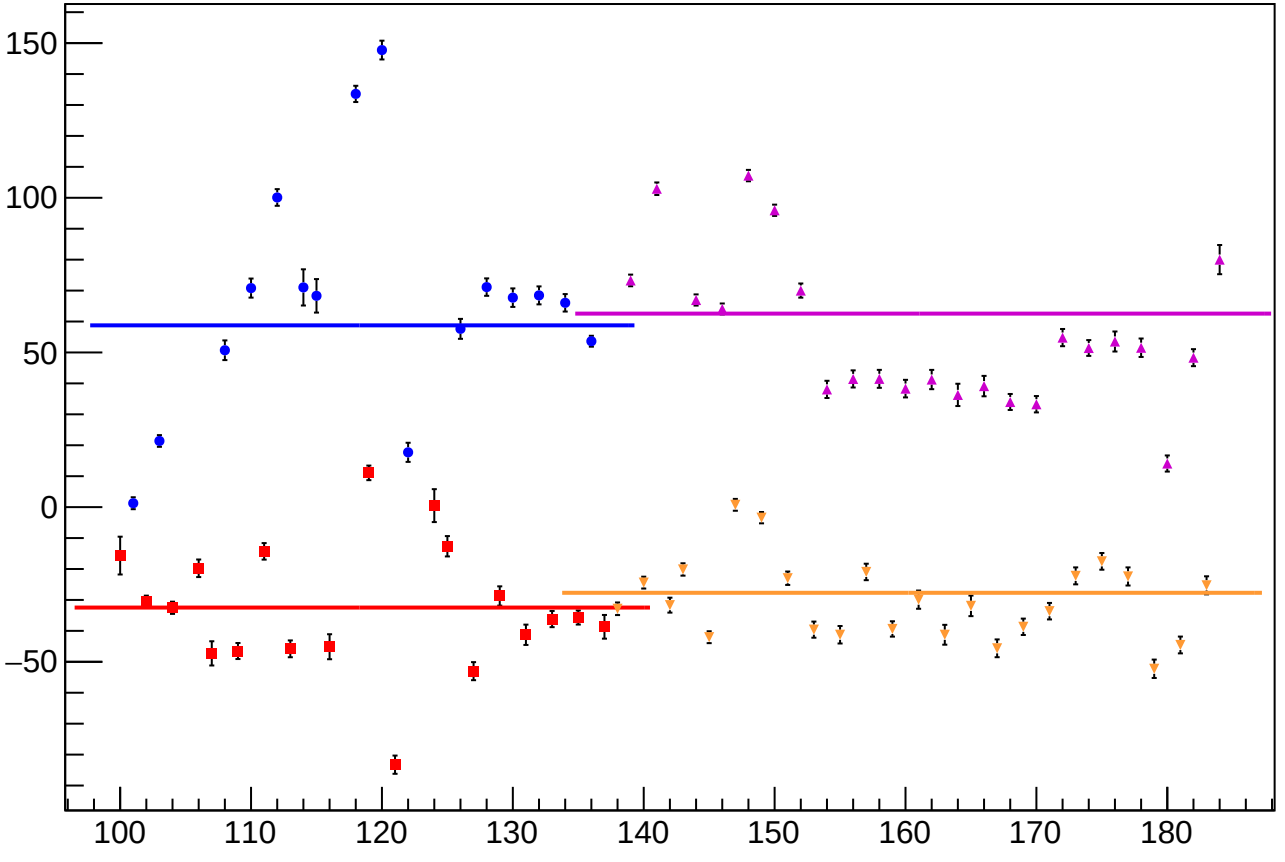
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1481.767+/-0.206 χ^2/NDF: 625307.3/39

All: 1482.364+/-0.146 χ^2/NDF: 1371348.8/81

- sign 1482.975+/-0.208 χ^2/NDF: 746024.4/41

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

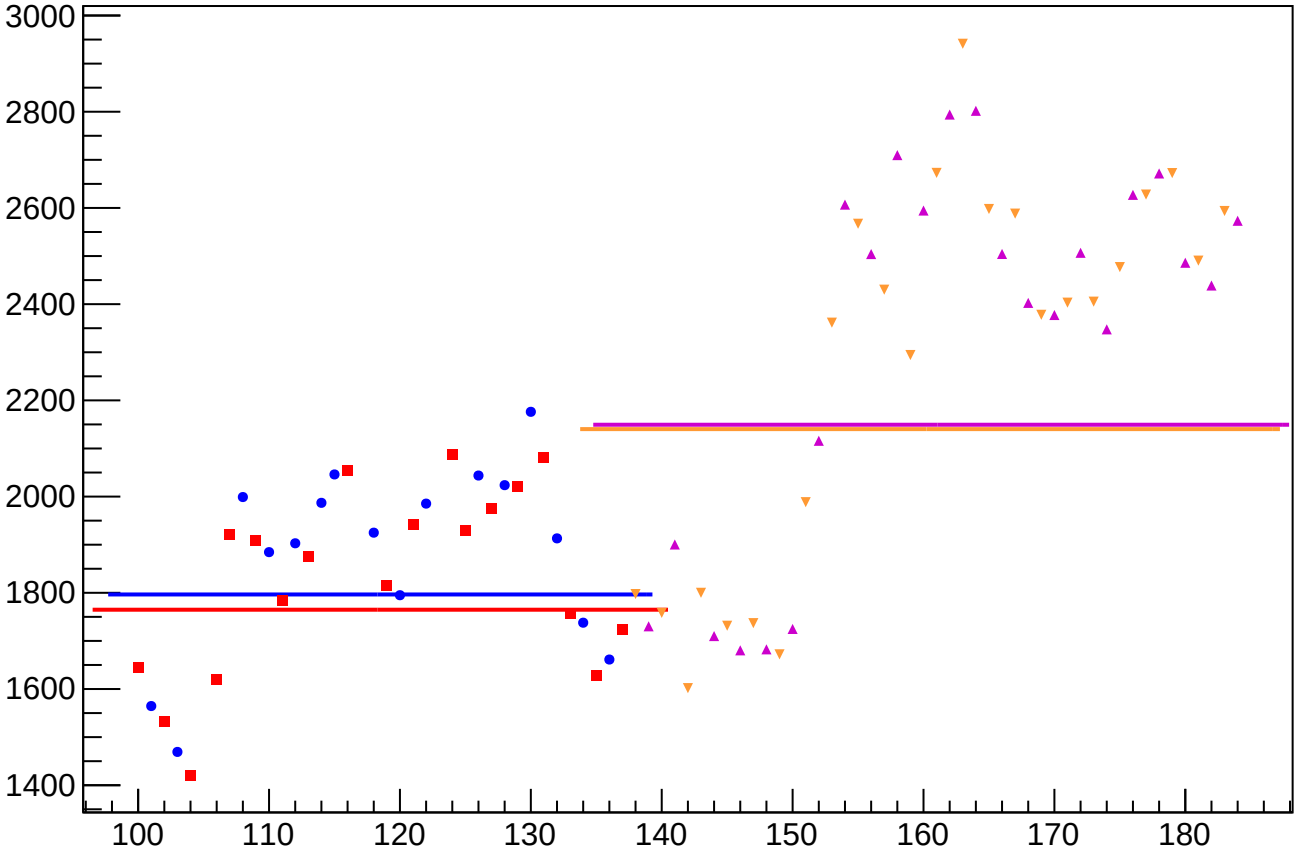
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 2.967+/-0.400 χ^2/NDF: 14876.7/39

All: 14.491+/-0.284 χ^2/NDF: 33159.9/81

- sign 26.088+/-0.402 χ^2/NDF: 16621.8/41

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

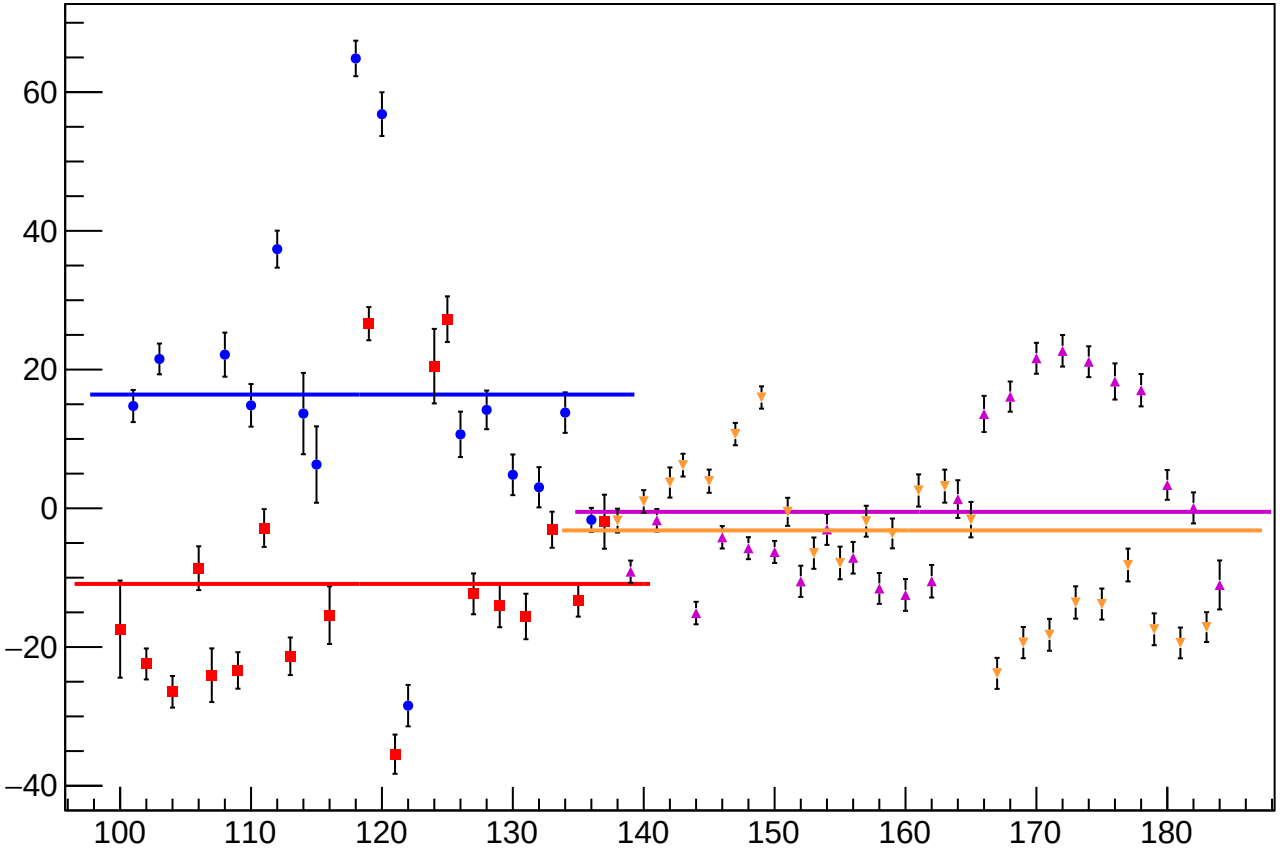
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2018.369+/-0.283 χ^2/NDF: 1797520.1/39

All: 2010.104+/-0.201 χ^2/NDF: 3688246.8/81

- sign 2001.787+/-0.284 χ^2/NDF: 1889017.5/41

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

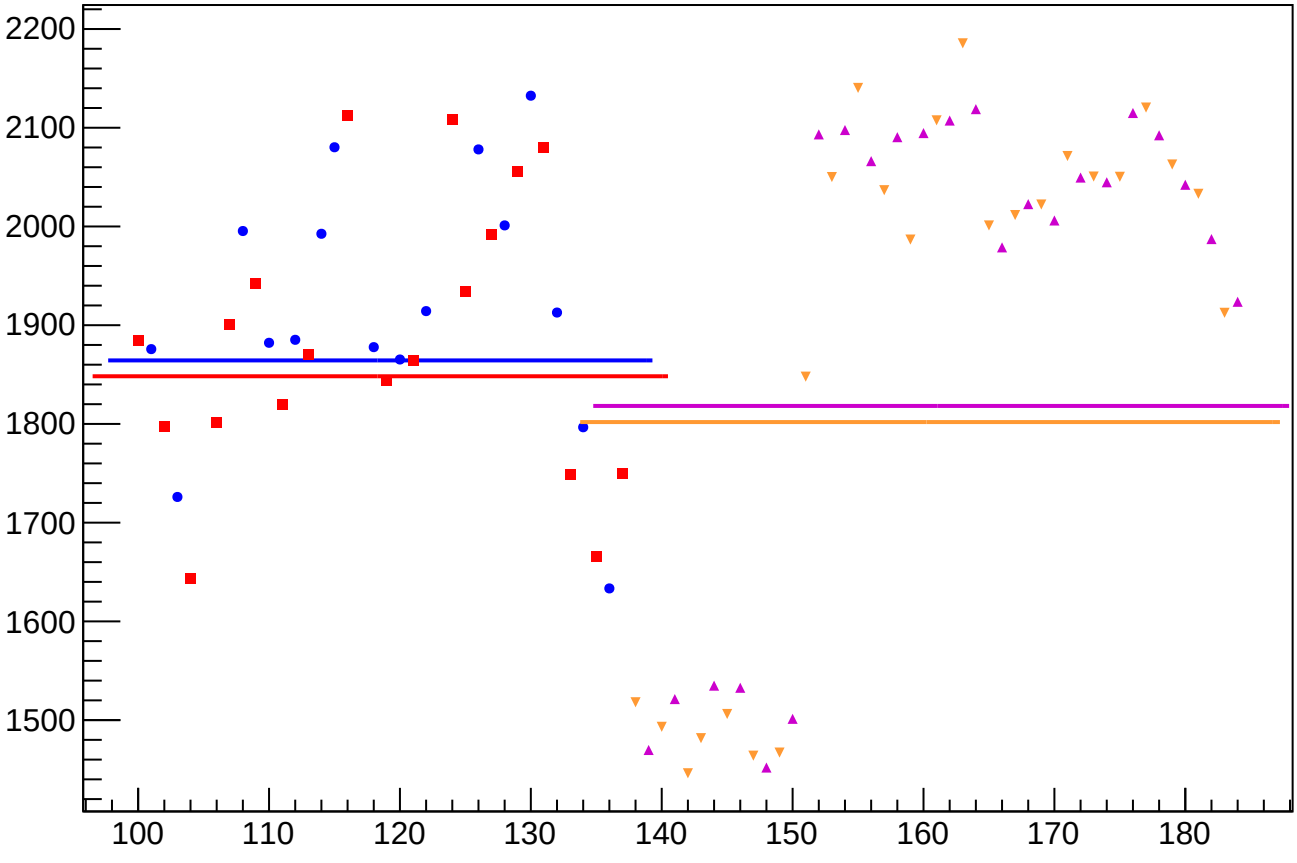
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.006+/-0.358 χ^2/NDF: 2224.1/39

All: -0.709+/-0.255 χ^2/NDF: 3896.4/81

- sign -3.499+/-0.363 χ^2/NDF: 1555.6/41

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

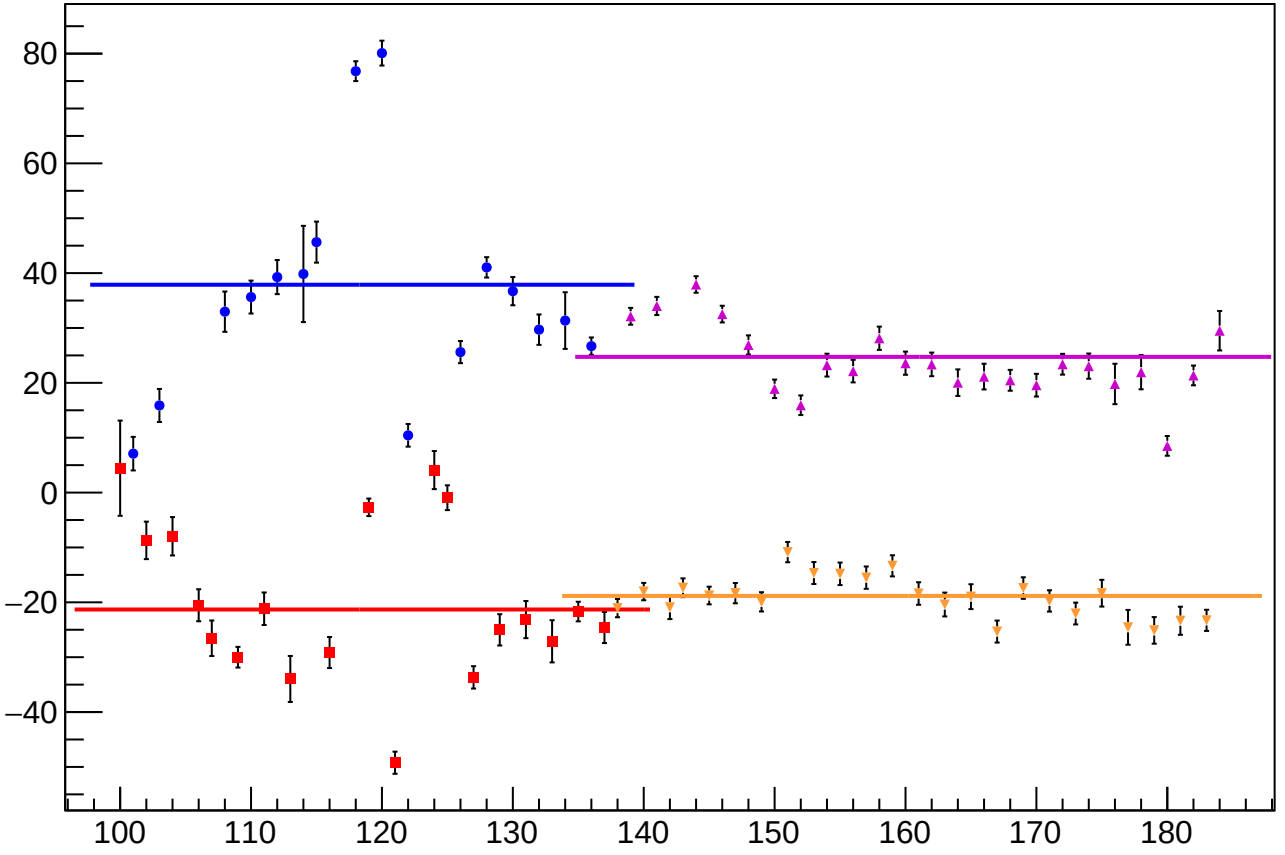
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1818.438+/-0.253 χ^2/NDF: 991891.1/39

All: 1822.598+/-0.180 χ^2/NDF: 1910563.8/81

- sign 1826.873+/-0.256 χ^2/NDF: 918124.5/41

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

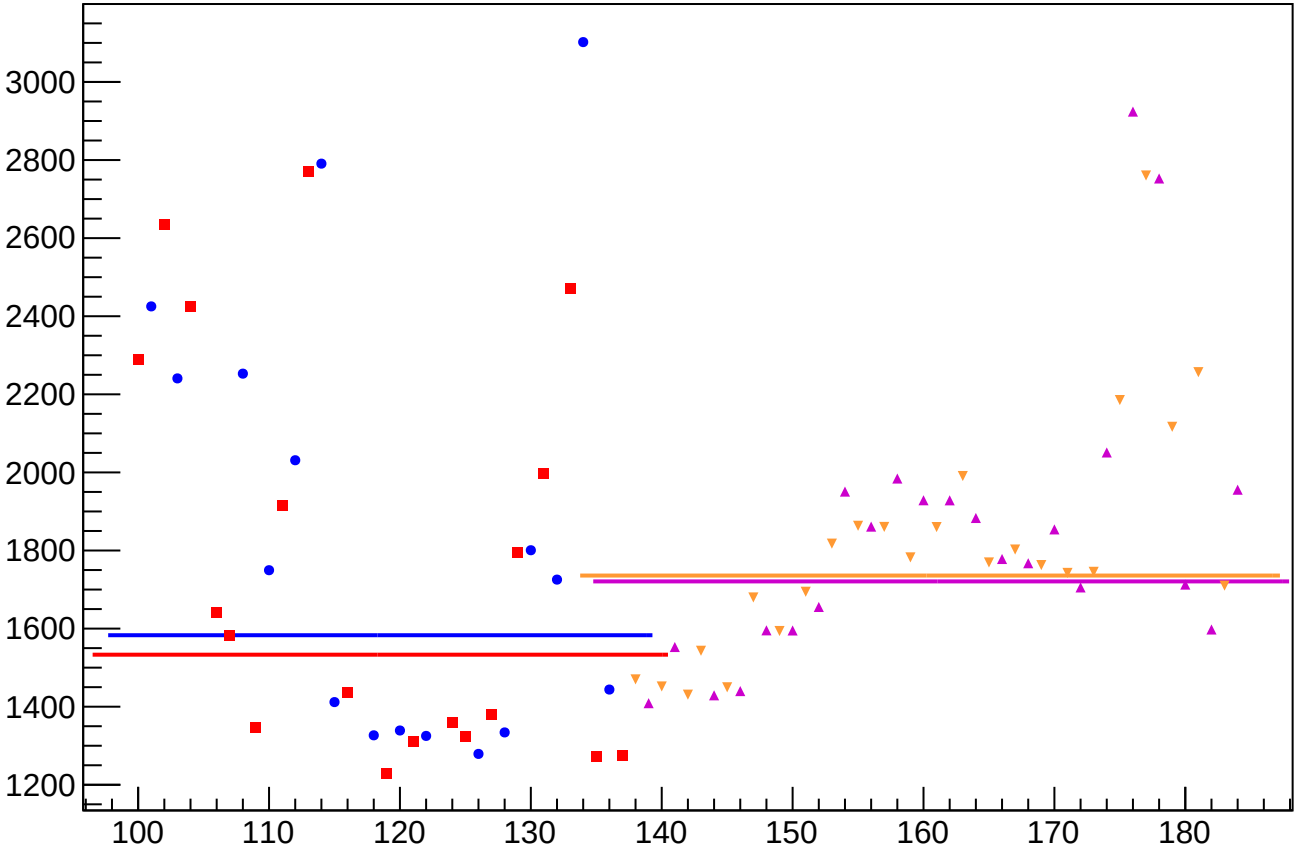
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.044+/-0.339 χ^2/NDF: 7170.0/39

All: 3.965+/-0.239 χ^2/NDF: 12772.8/81

\- sign 9.900+/-0.337 χ^2/NDF: 4977.0/41

diff_bpm0i07X_rms vs Slug



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

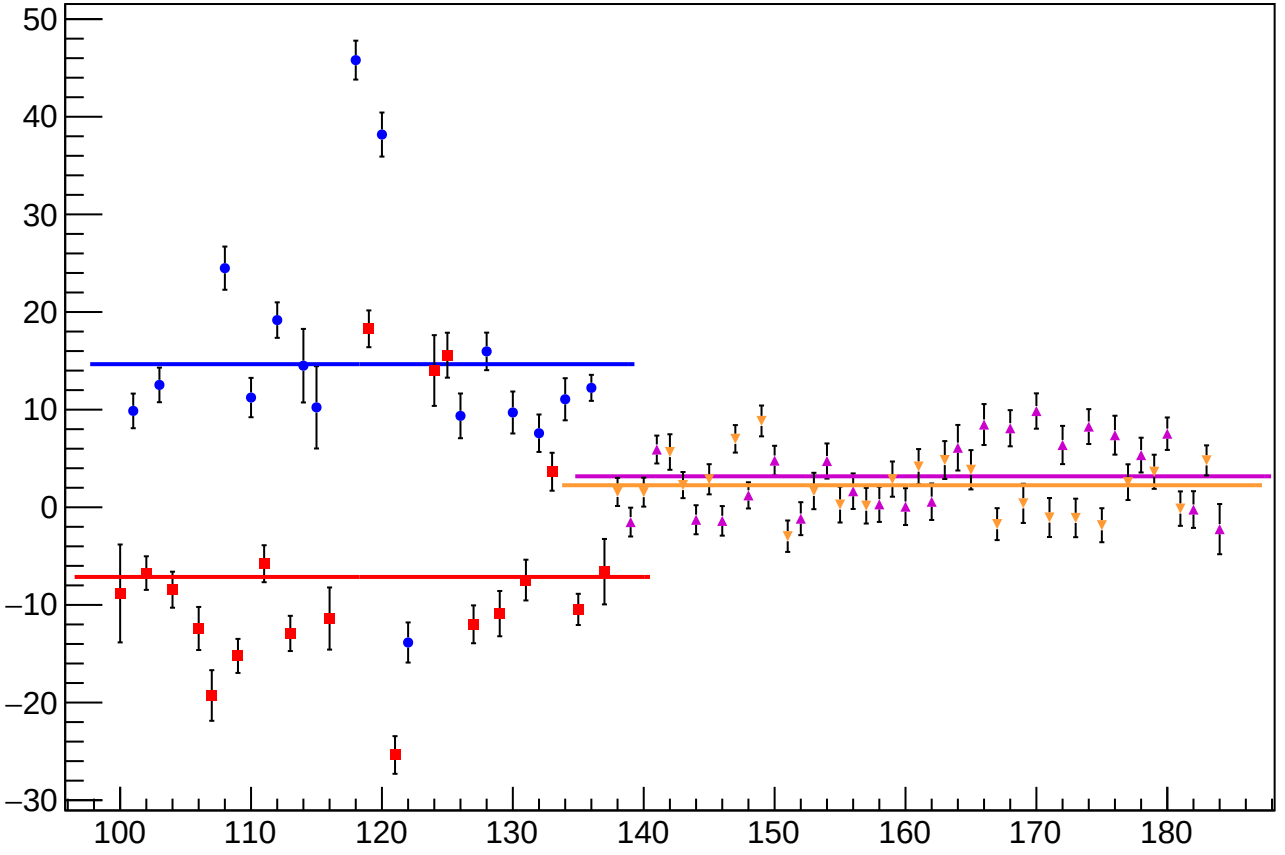
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1690.633+/-0.239 χ^2/NDF: 1599184.3/39

All: 1675.425+/-0.169 χ^2/NDF: 3577788.2/81

- sign 1660.402+/-0.238 χ^2/NDF: 1970584.5/41

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

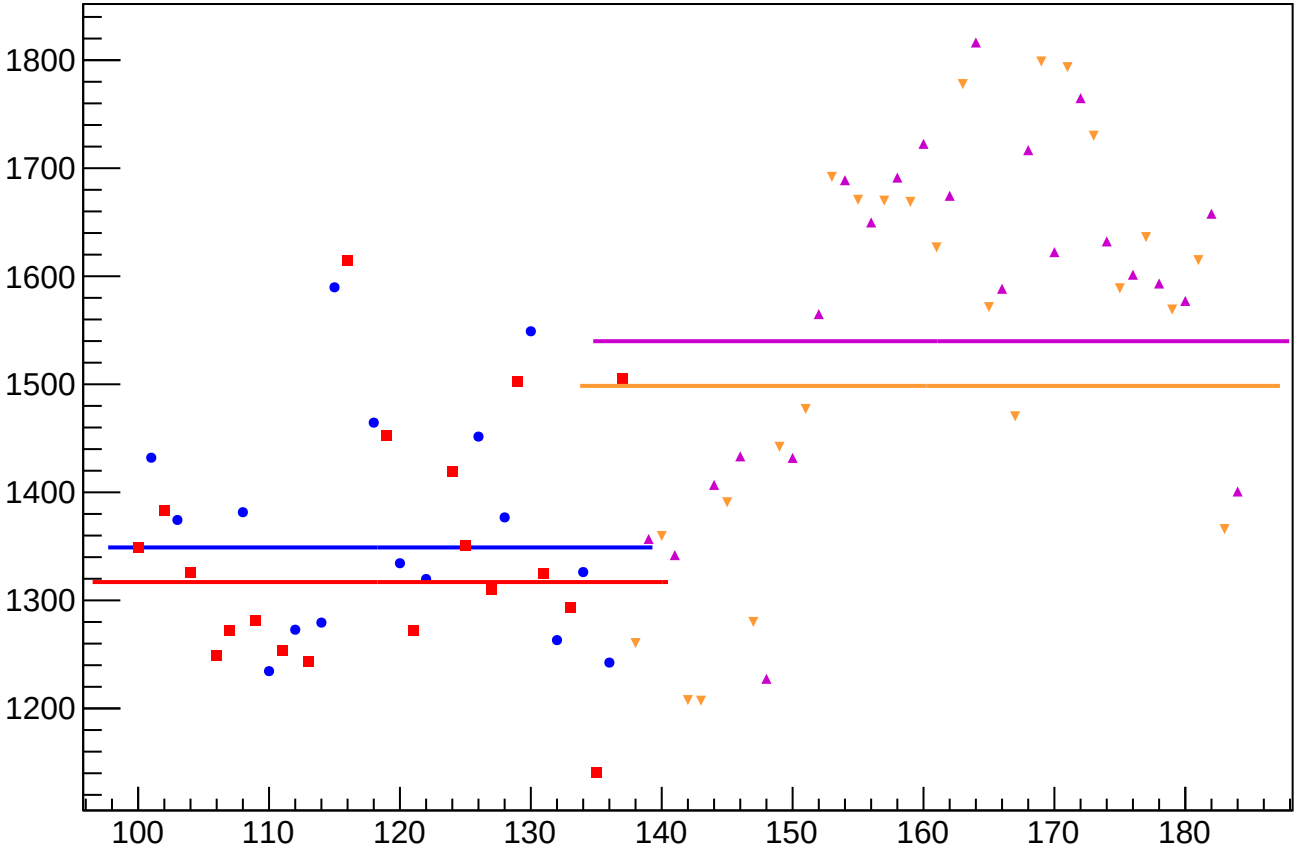
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 6.225+/-0.285 χ^2/NDF: 1098.4/39

All: 2.897+/-0.203 χ^2/NDF: 2285.9/81

- sign -0.539+/-0.290 χ^2/NDF: 911.0/41

diff_bpm0i07Y_rms vs Slug



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

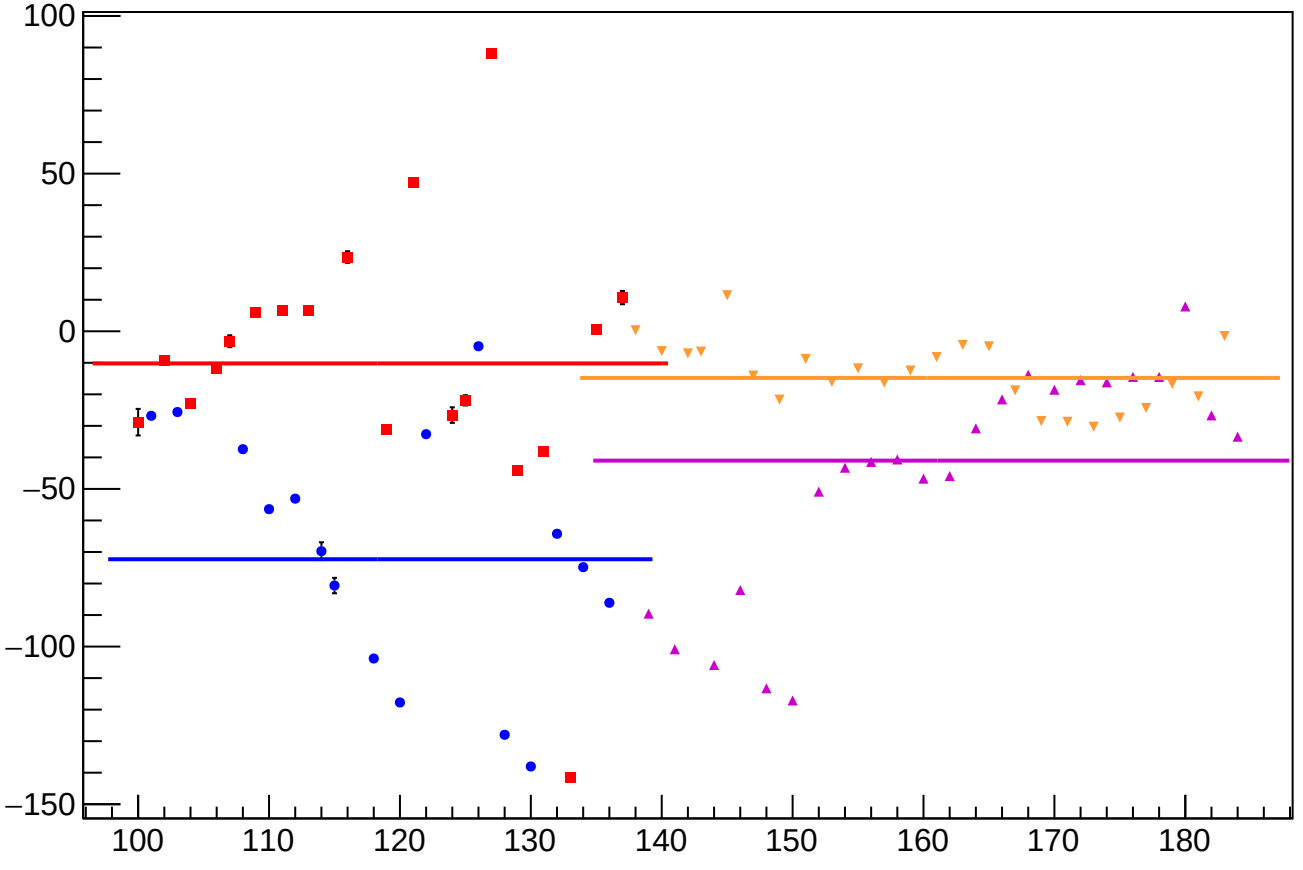
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1450.684+/-0.202 χ^2/NDF: 755745.7/39

All: 1455.079+/-0.144 χ^2/NDF: 1496347.6/81

- sign 1459.617+/-0.205 χ^2/NDF: 739637.6/41

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

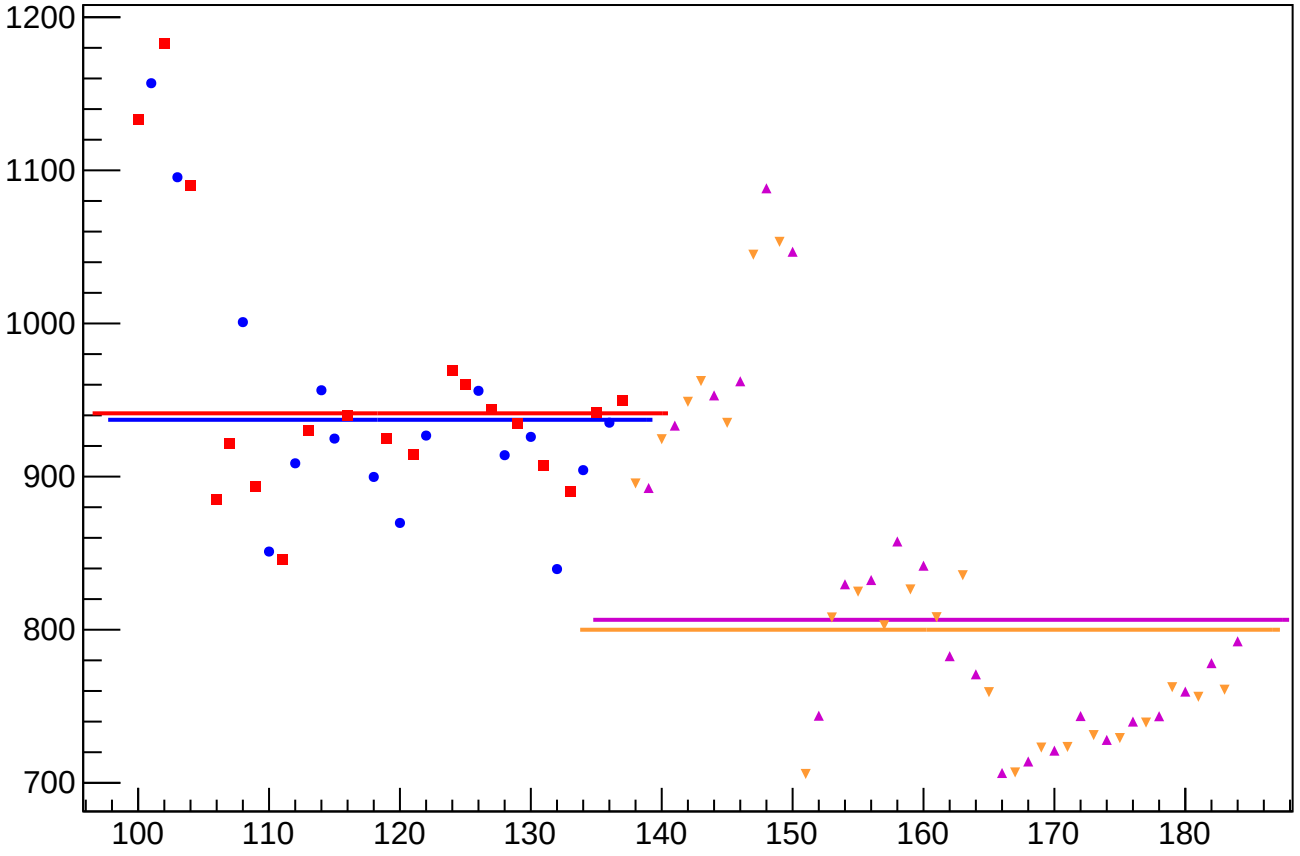
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -27.308+/-0.163 χ^2/NDF: 36423.0/39

All: -30.512+/-0.116 χ^2/NDF: 93467.9/81

- sign -33.844+/-0.166 χ^2/NDF: 56256.7/41

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

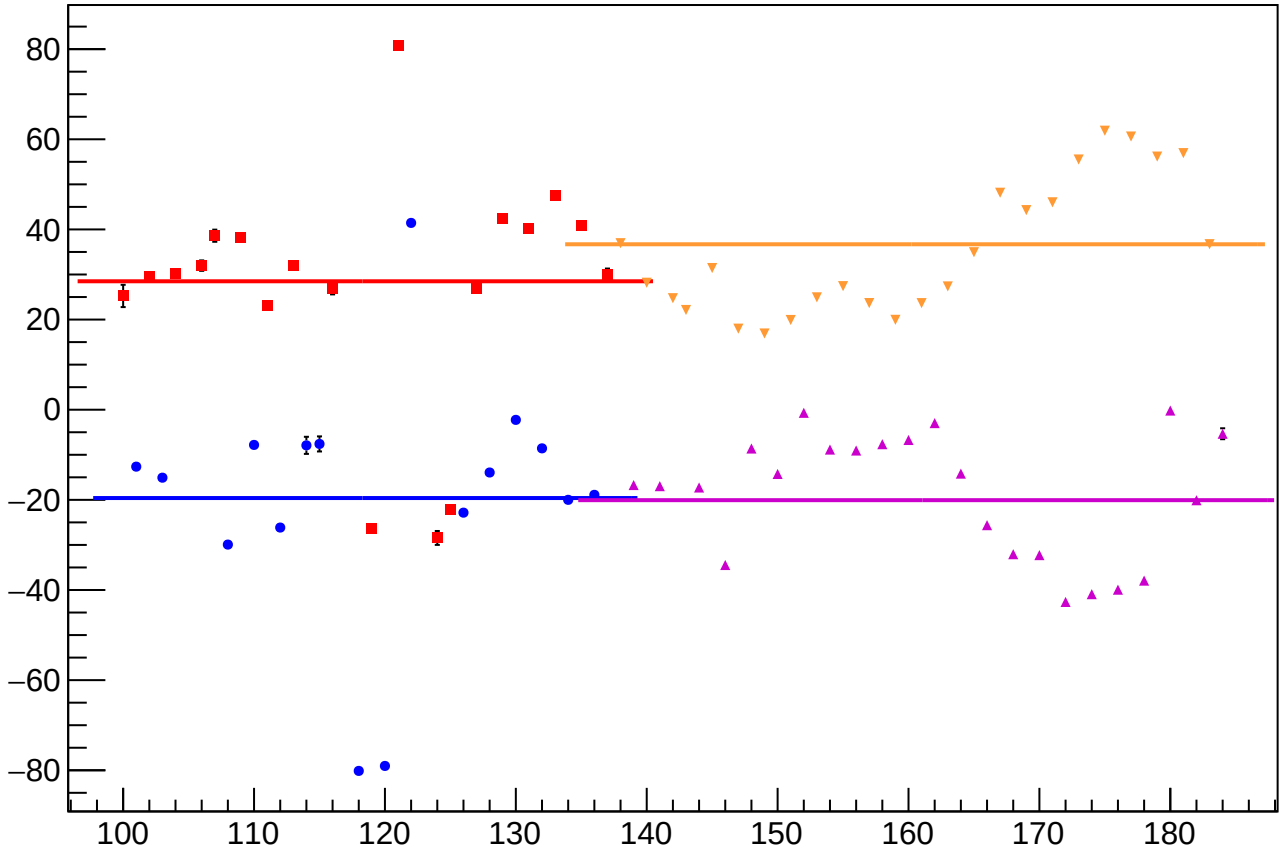
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 829.827+/-0.115 χ^2/NDF: 842432.4/39

All: 833.768+/-0.082 χ^2/NDF: 1692185.3/81

- sign 837.868+/-0.118 χ^2/NDF: 847367.0/41



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

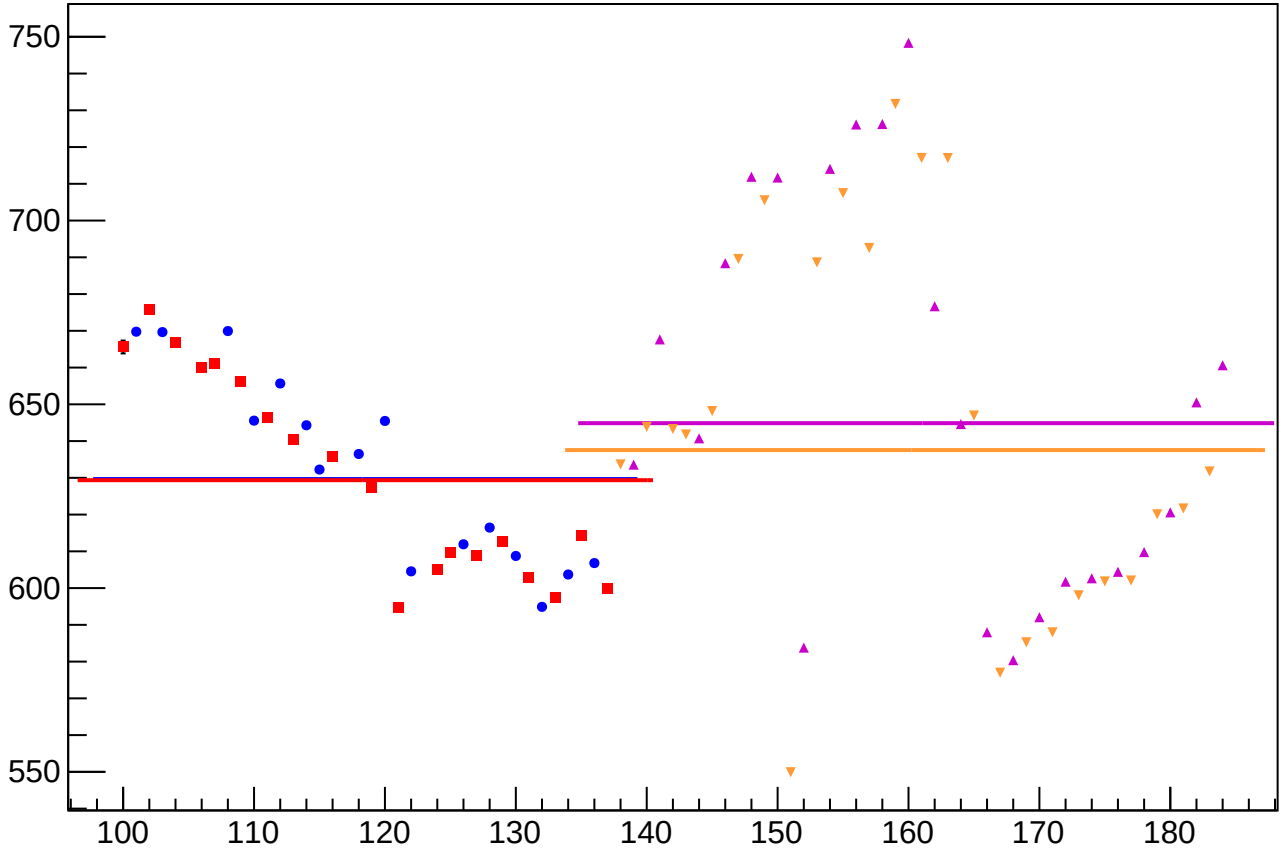
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 20.871+/-0.124 χ^2/NDF: 64993.8/39

All: 7.974+/-0.089 χ^2/NDF: 139689.2/81

- sign -5.381+/-0.126 χ^2/NDF: 52720.7/41

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

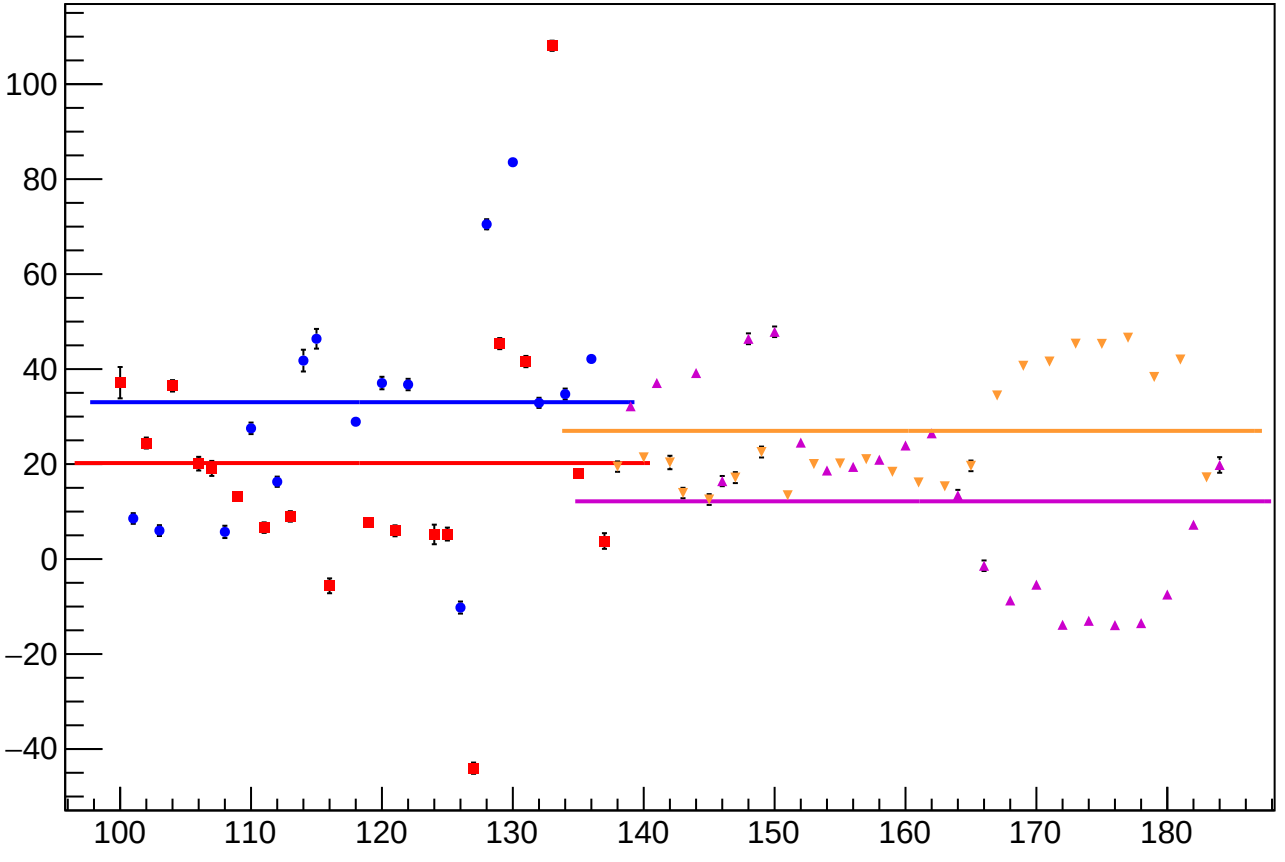
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 635.329+/-0.088 χ^2/NDF: 263484.1/39

All: 637.713+/-0.063 χ^2/NDF: 527700.2/81

- sign 640.181+/-0.089 χ^2/NDF: 262714.8/41

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

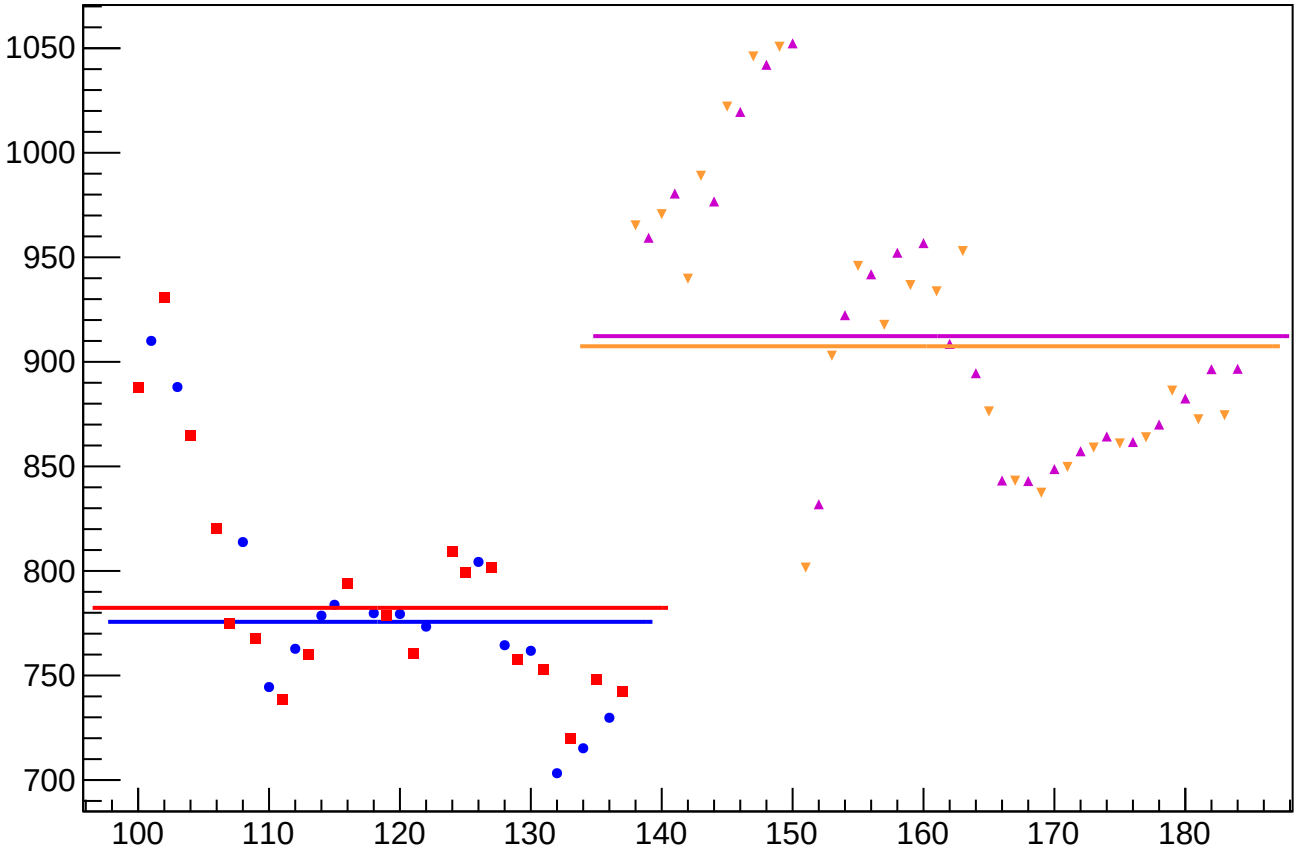
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 29.058+/-0.169 χ^2/NDF: 10351.3/39

All: 22.146+/-0.120 χ^2/NDF: 34673.0/81

\- sign 15.046+/-0.171 χ^2/NDF: 20926.0/41

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

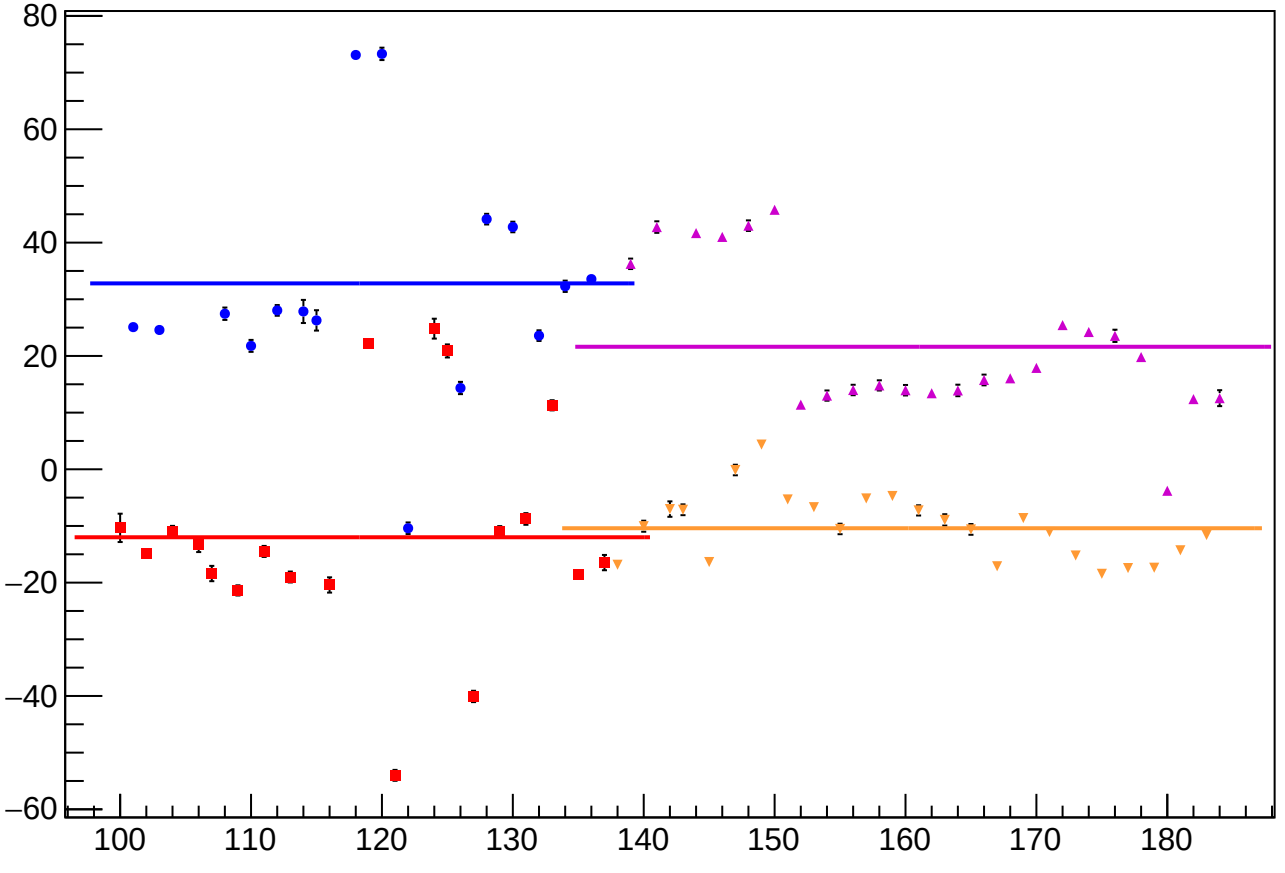
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 862.420+/-0.119 χ^2/NDF: 542799.2/39

All: 864.058+/-0.085 χ^2/NDF: 1047464.1/81

- sign 865.740+/-0.121 χ^2/NDF: 504283.7/41

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

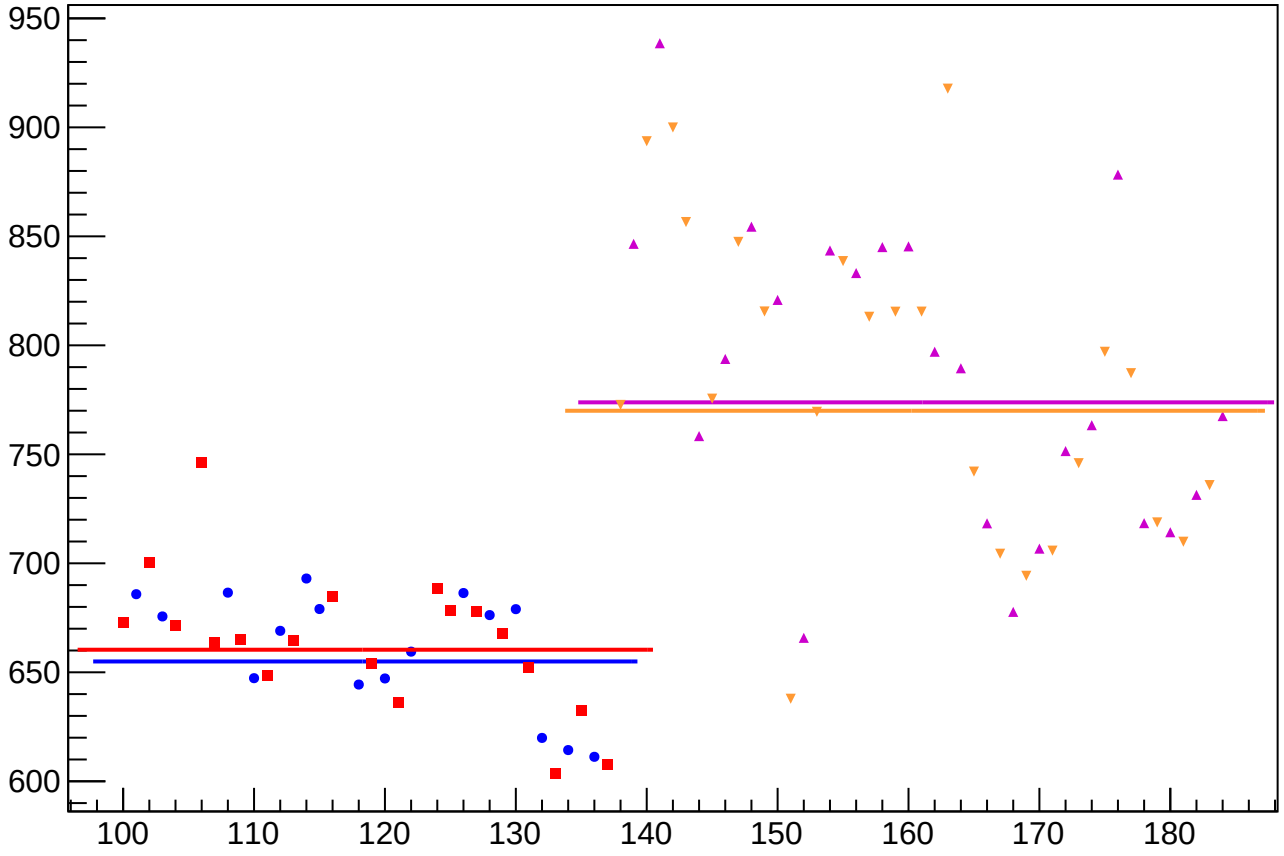
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 4.560+/-0.143 χ^2/NDF: 27878.8/39

All: 6.960+/-0.102 χ^2/NDF: 52633.4/81

- sign 9.426+/-0.145 χ^2/NDF: 24185.6/41

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

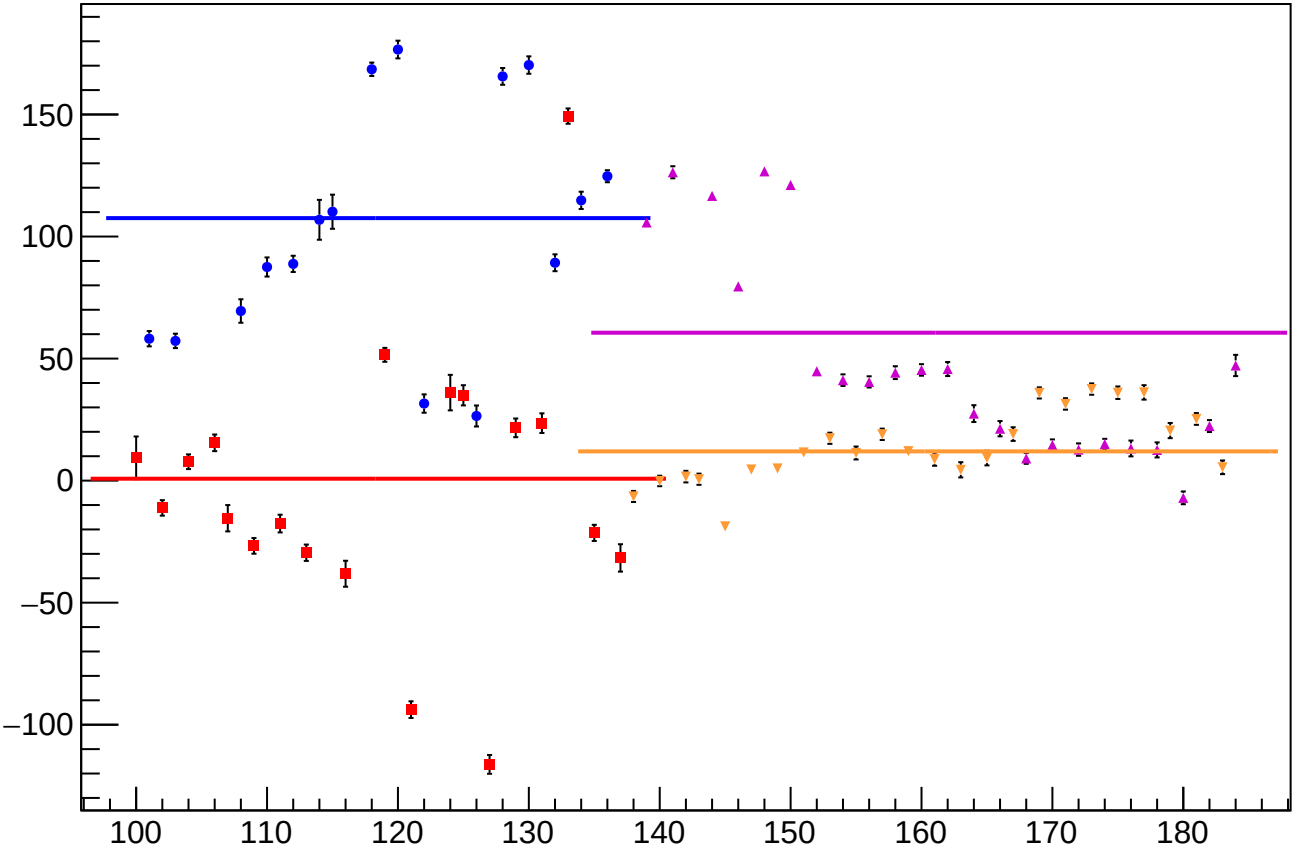
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 730.157+/-0.101 χ^2/NDF: 622843.8/39

All: 731.398+/-0.072 χ^2/NDF: 1218732.9/81

- sign 732.673+/-0.103 χ^2/NDF: 595585.1/41

diff_bpm1i06X_mean vs Slug



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

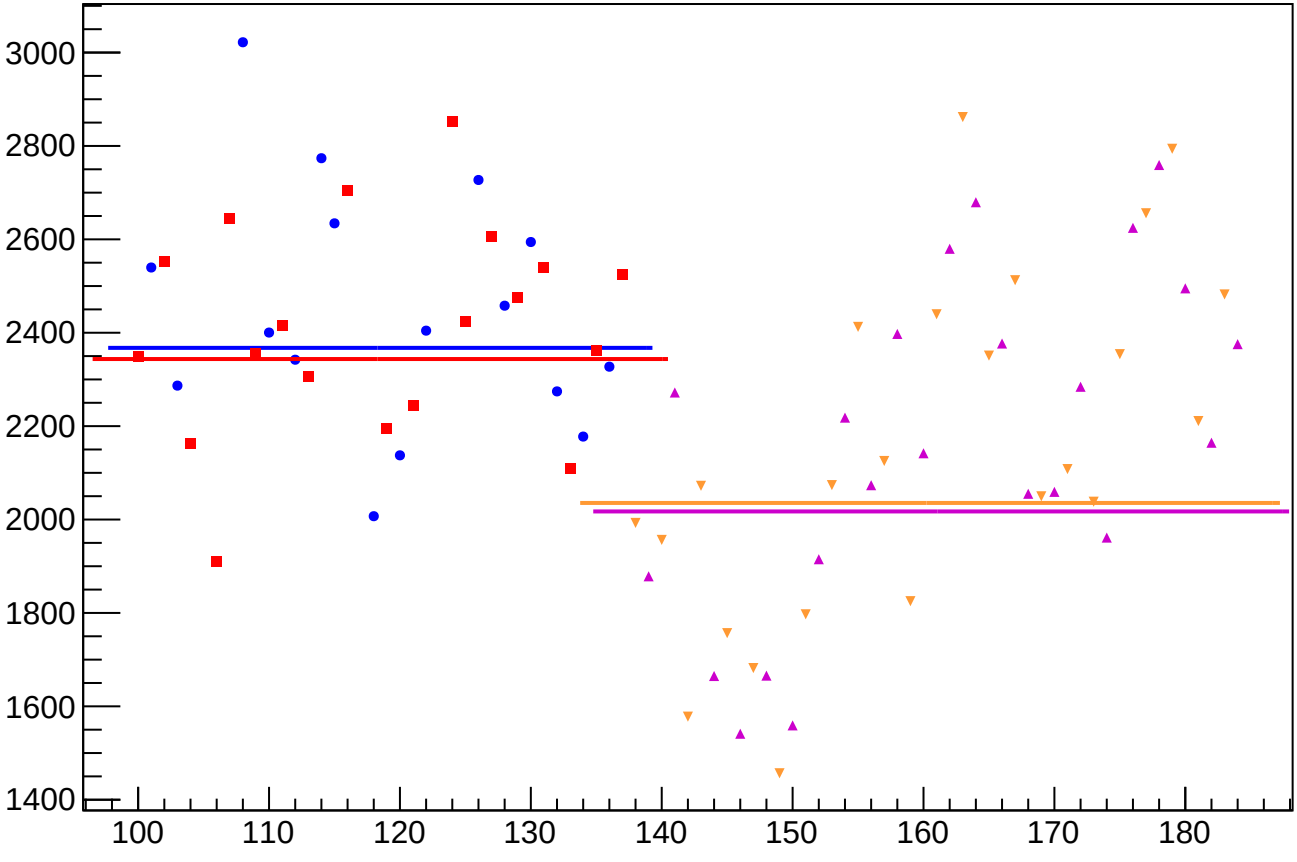
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

\+ sign 33.276+/-0.418 χ^2/NDF: 12958.3/39

All: 39.793+/-0.296 χ^2/NDF: 30528.3/81

\- sign 46.371+/-0.420 χ^2/NDF: 17081.2/41

diff_bpm1i06X_rms vs Slug



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

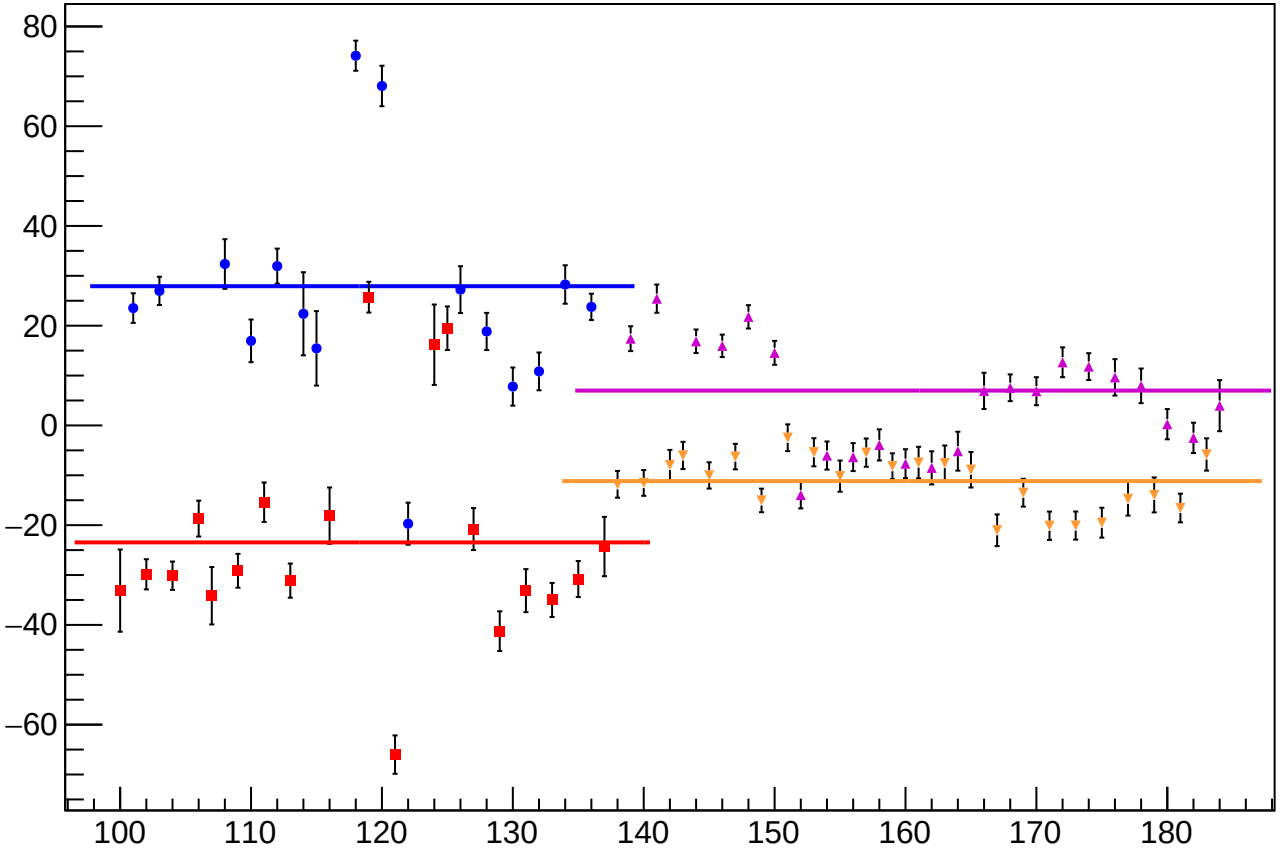
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2109.538+/-0.296 χ^2/NDF: 1460088.0/39

All: 2102.283+/-0.209 χ^2/NDF: 2842732.9/81

- sign 2094.961+/-0.297 χ^2/NDF: 1381433.8/41

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

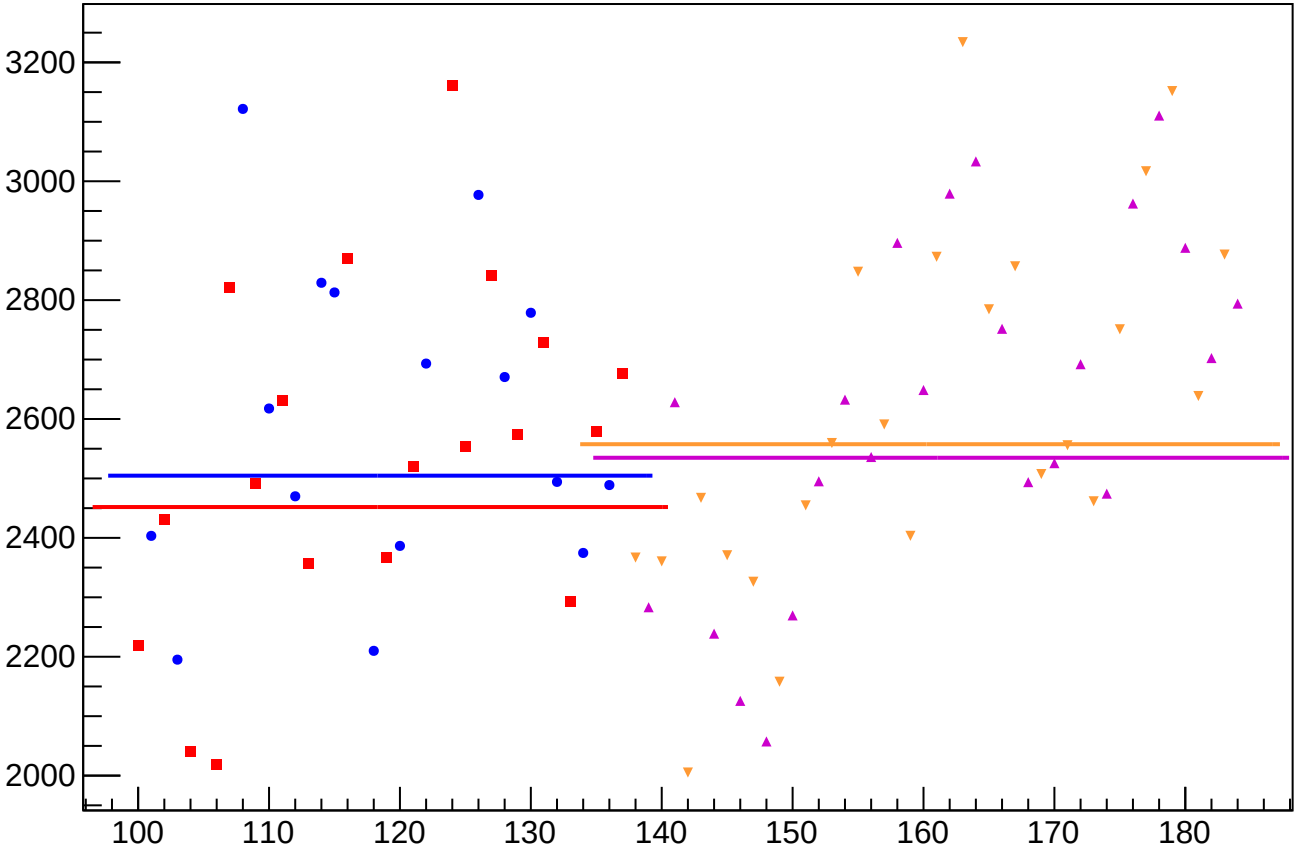
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

\+ sign -0.077+/-0.499 χ^2/NDF: 1857.5/39

All: -1.194+/-0.353 χ^2/NDF: 3565.0/81

\- sign -2.311+/-0.499 χ^2/NDF: 1697.5/41

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

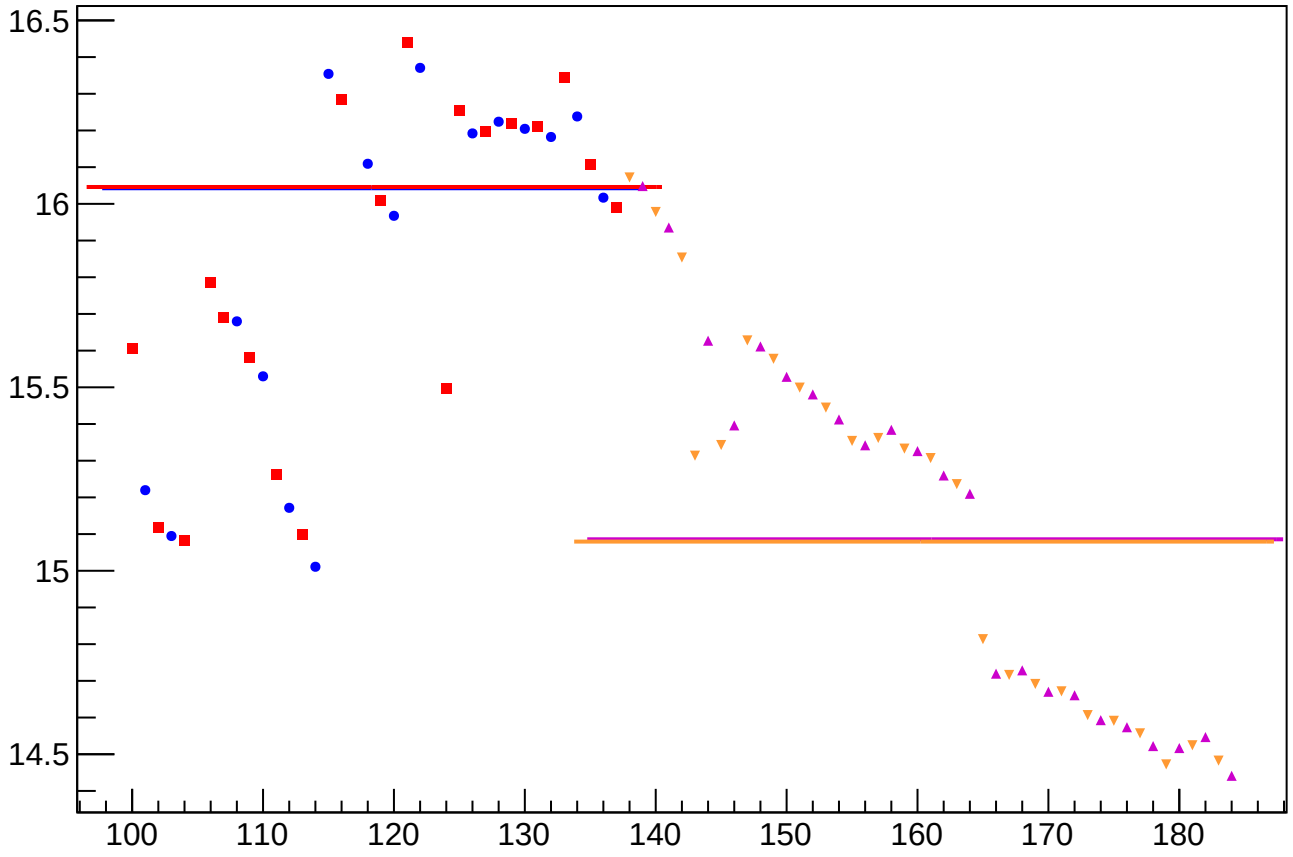
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2542.579+/-0.353 χ^2/NDF: 578667.0/39

All: 2526.020+/-0.249 χ^2/NDF: 1211651.9/81

- sign 2509.465+/-0.353 χ^2/NDF: 628578.0/41



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

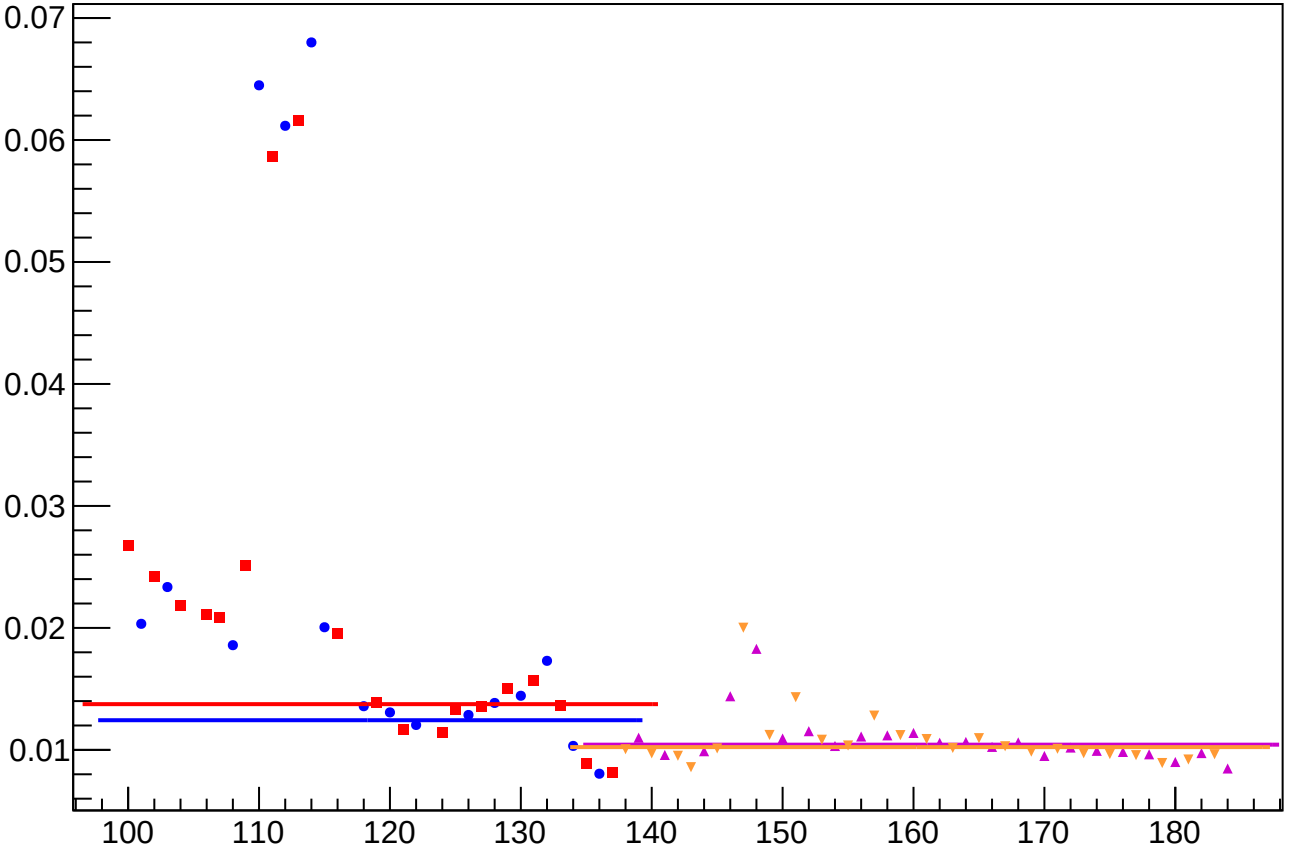
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.246+/-0.000 χ^2/NDF: 73014458083.2/39

All: 15.243+/-0.000 χ^2/NDF: 139373435538.

- sign 15.239+/-0.000 χ^2/NDF: 66355319136.2/41

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

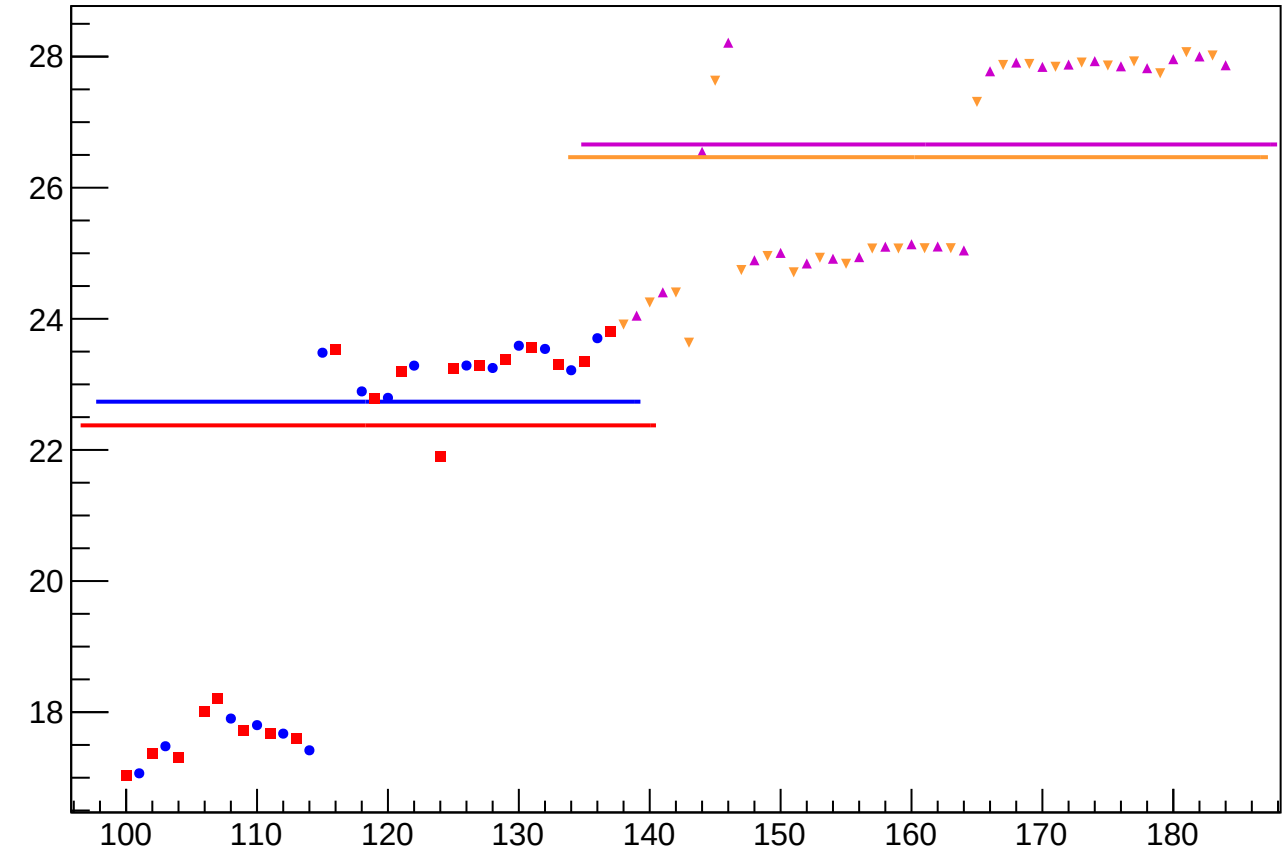
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3360873.6/39

All: 0.011+/-0.000 χ^2/NDF: 6771316.4/81

- sign 0.011+/-0.000 χ^2/NDF: 3386095.1/41



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

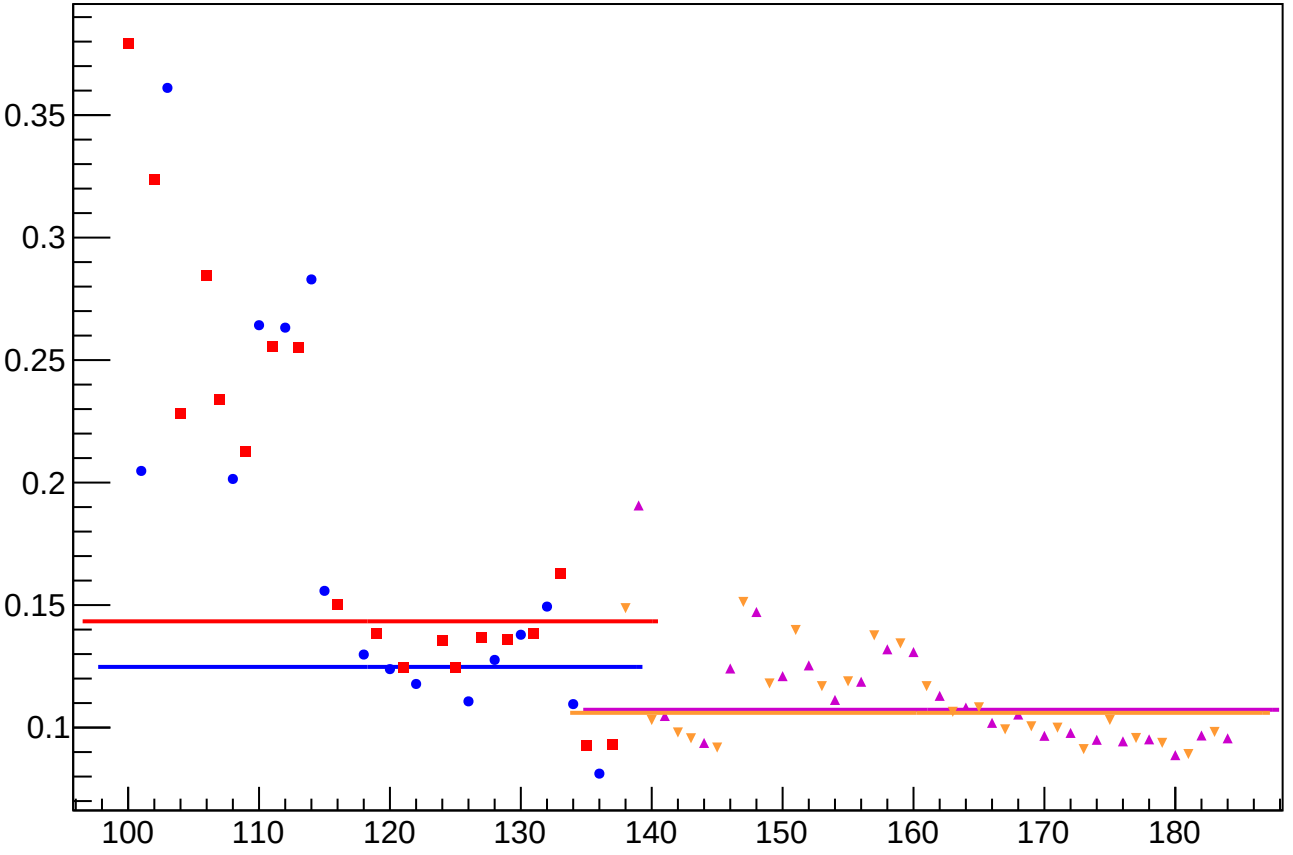
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.754+/-0.000 χ^2/NDF: 8915876451.3/39

All: 25.837+/-0.000 χ^2/NDF: 17302002938.2

- sign 25.929+/-0.000 χ^2/NDF: 8359709432.5/41

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

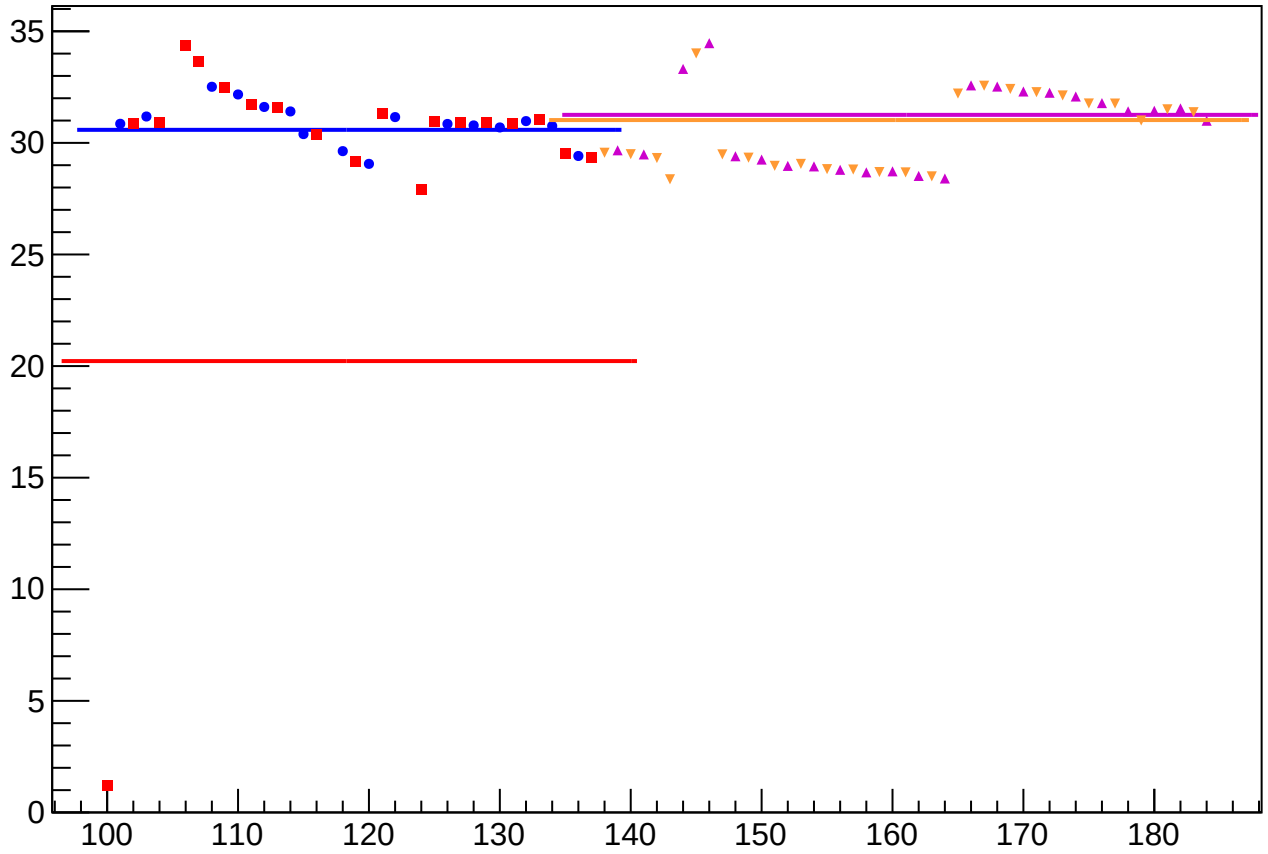
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.110+/-0.000 χ^2/NDF: 2692855.2/39

All: 0.111+/-0.000 χ^2/NDF: 5751960.5/81

- sign 0.113+/-0.000 χ^2/NDF: 3034043.3/41

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 31.022+/-0.000 χ^2/NDF:11866953625.6/23

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

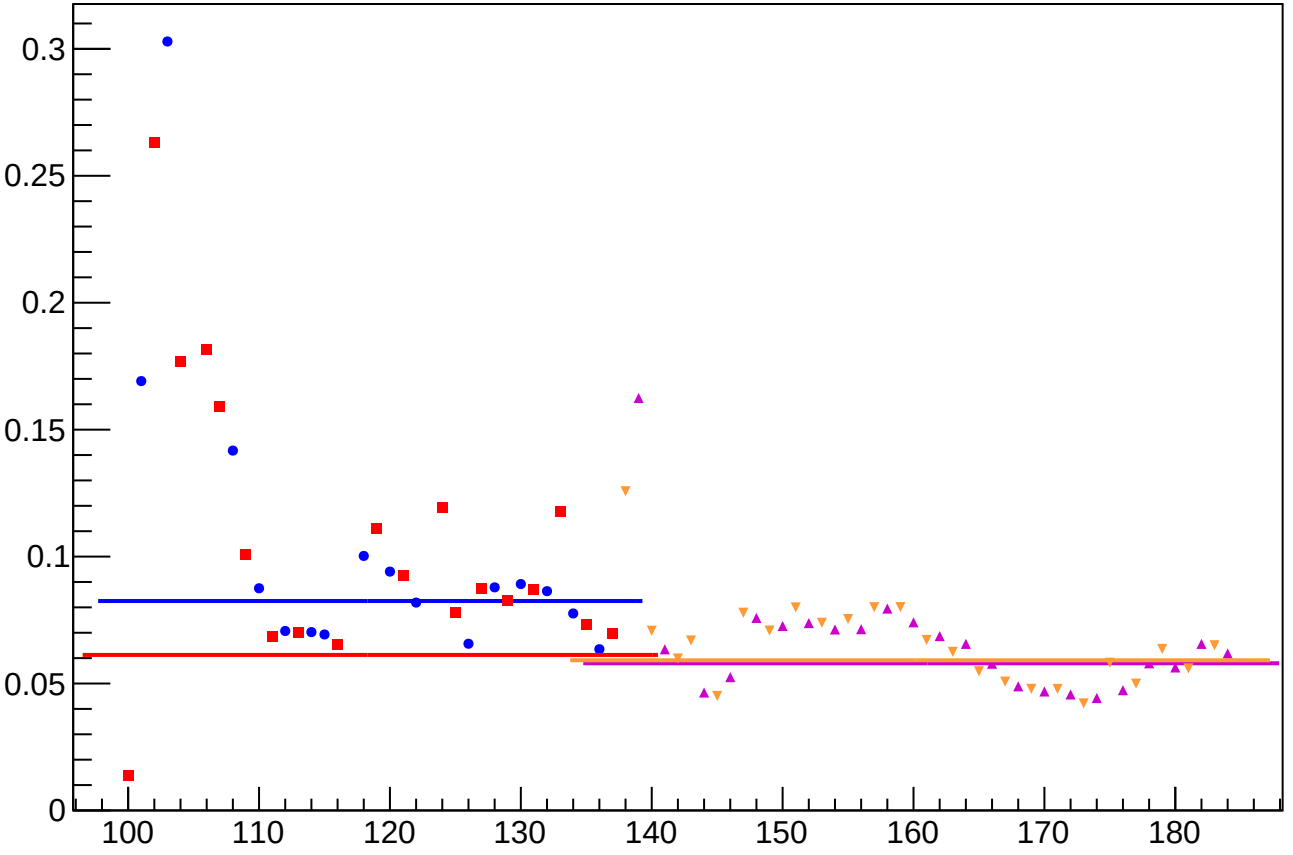
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.954+/-0.000 χ^2/NDF: 12644440827.3/39

All: 29.929+/-0.000 χ^2/NDF: 361465113587.

- sign 28.954+/-0.000 χ^2/NDF: 338642550953.2/41

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

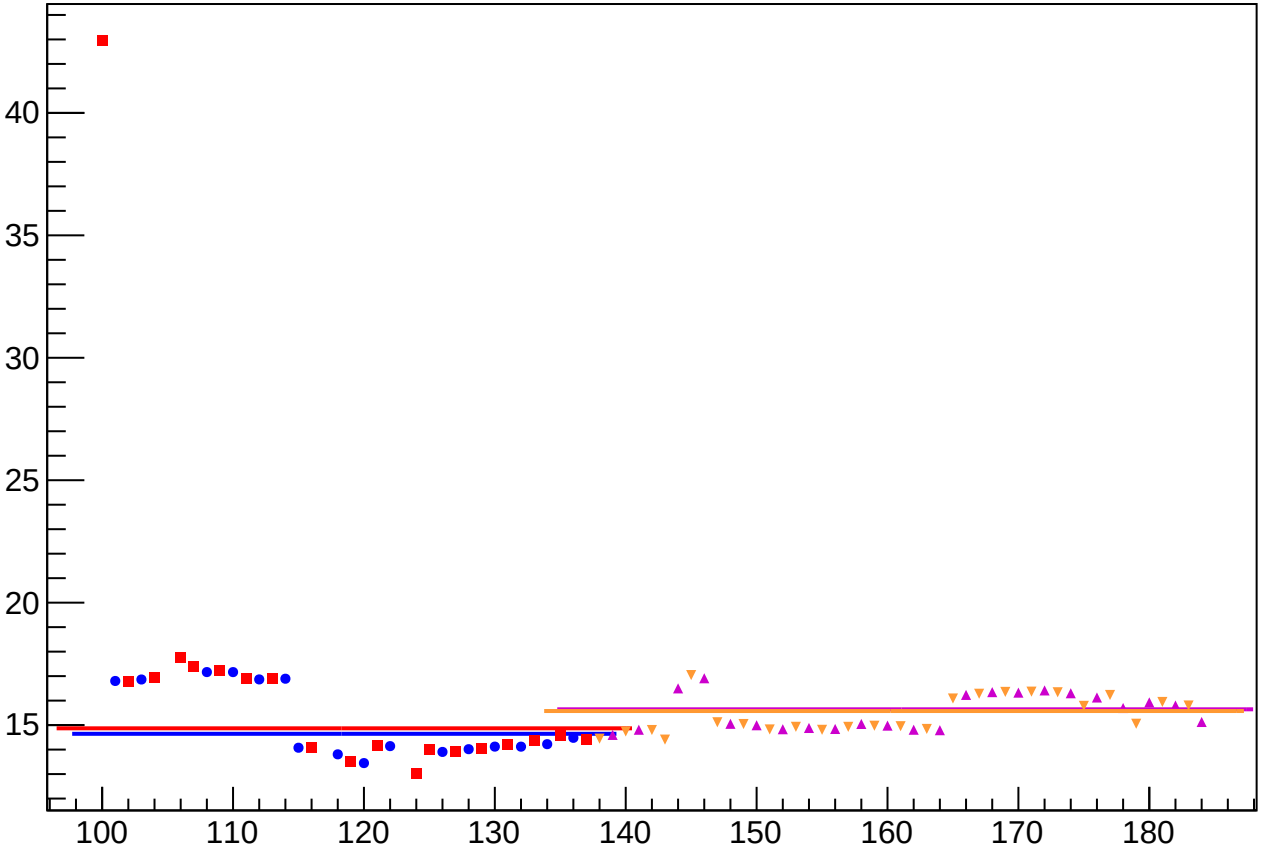
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.063+/-0.000 χ^2/NDF: 3493528.6/39

All: 0.061+/-0.000 χ^2/NDF: 9329255.5/81

- sign 0.059+/-0.000 χ^2/NDF: 5749362.2/41

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

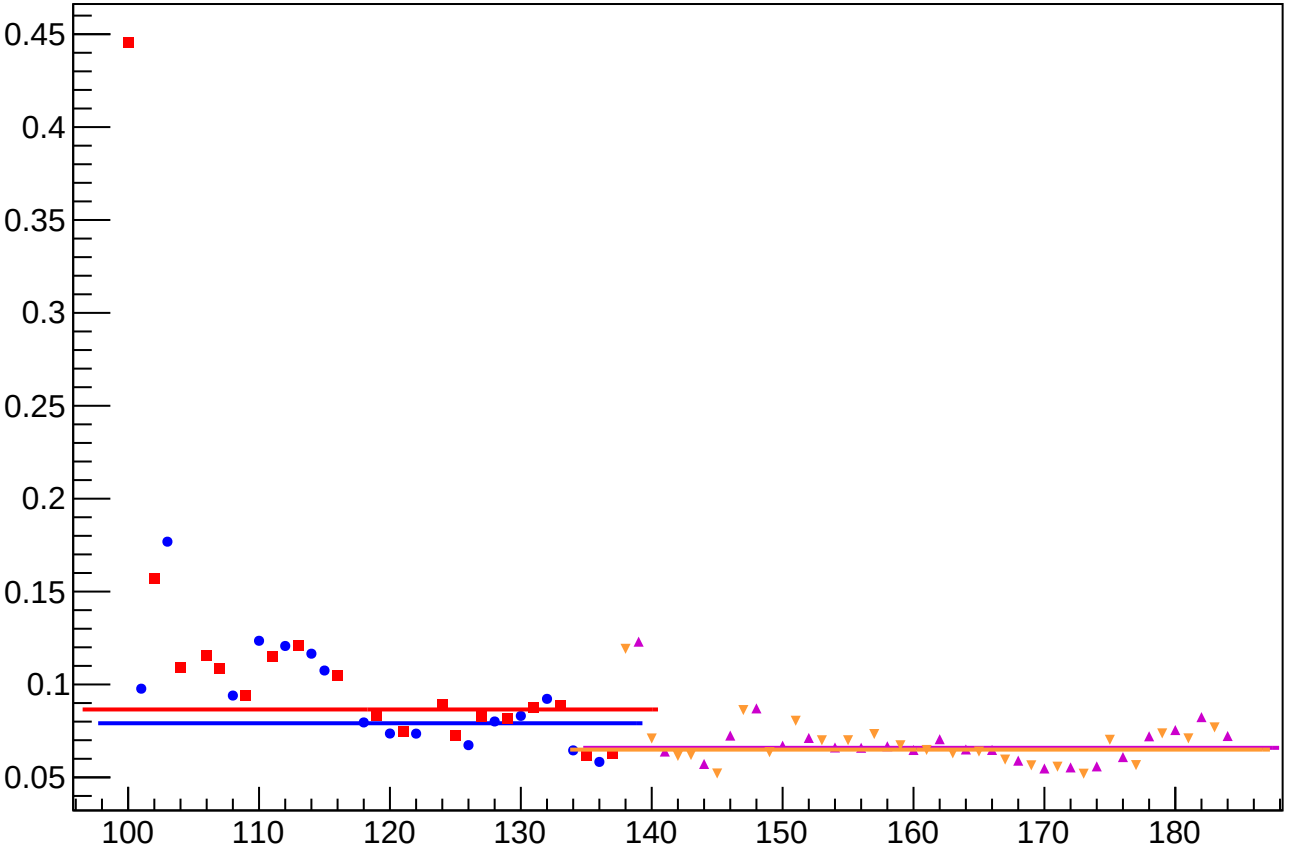
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.392+/-0.000 χ^2/NDF: 4051281621.8/39

All: 15.444+/-0.000 χ^2/NDF: 8069040116.6/8

- sign 15.500+/-0.000 χ^2/NDF: 3990917749.8/41

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

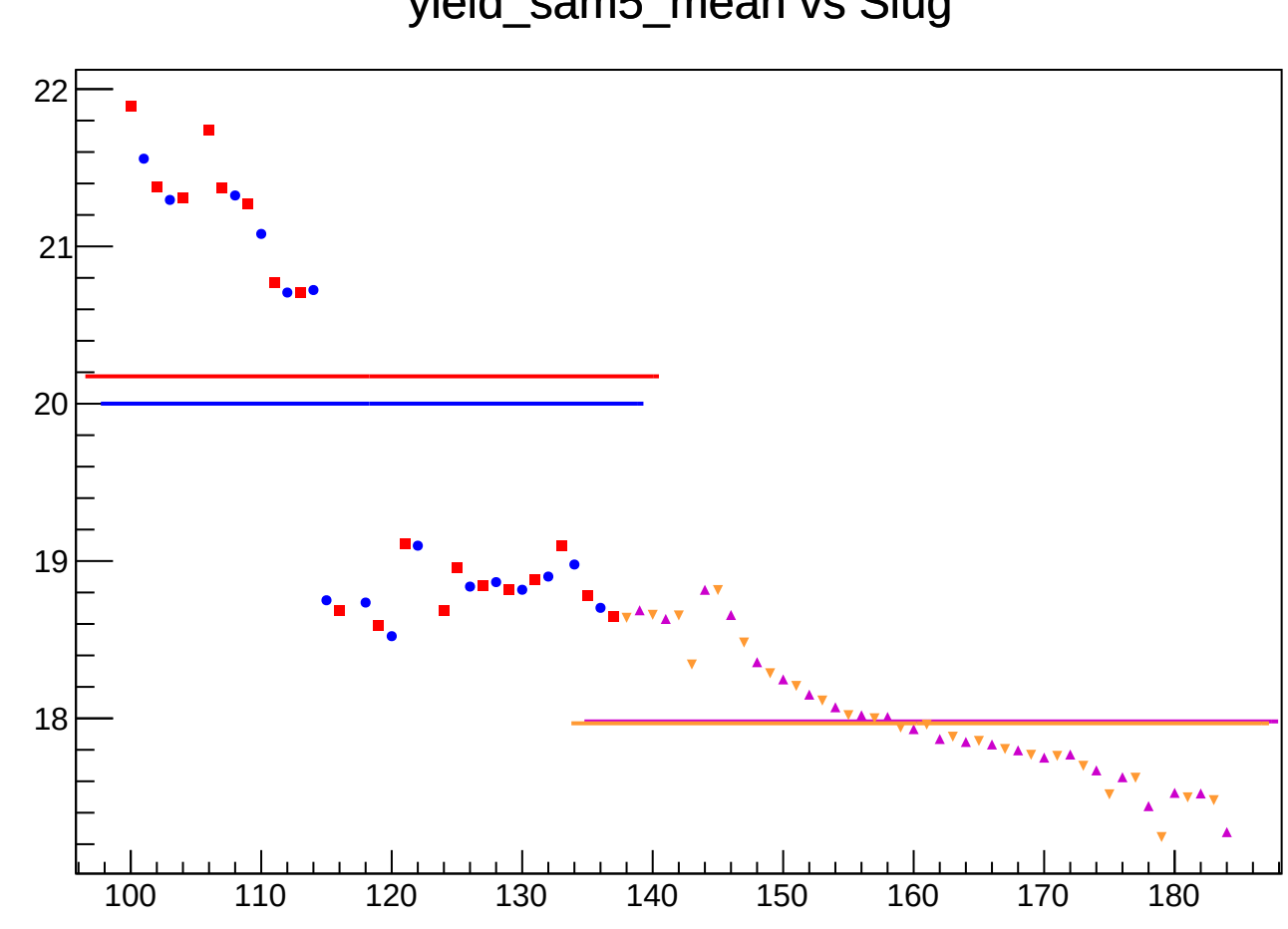
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.068+/-0.000 χ^2/NDF: 2064782.5/39

All: 0.069+/-0.000 χ^2/NDF: 4234250.2/81

- sign 0.070+/-0.000 χ^2/NDF: 2150853.1/41



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

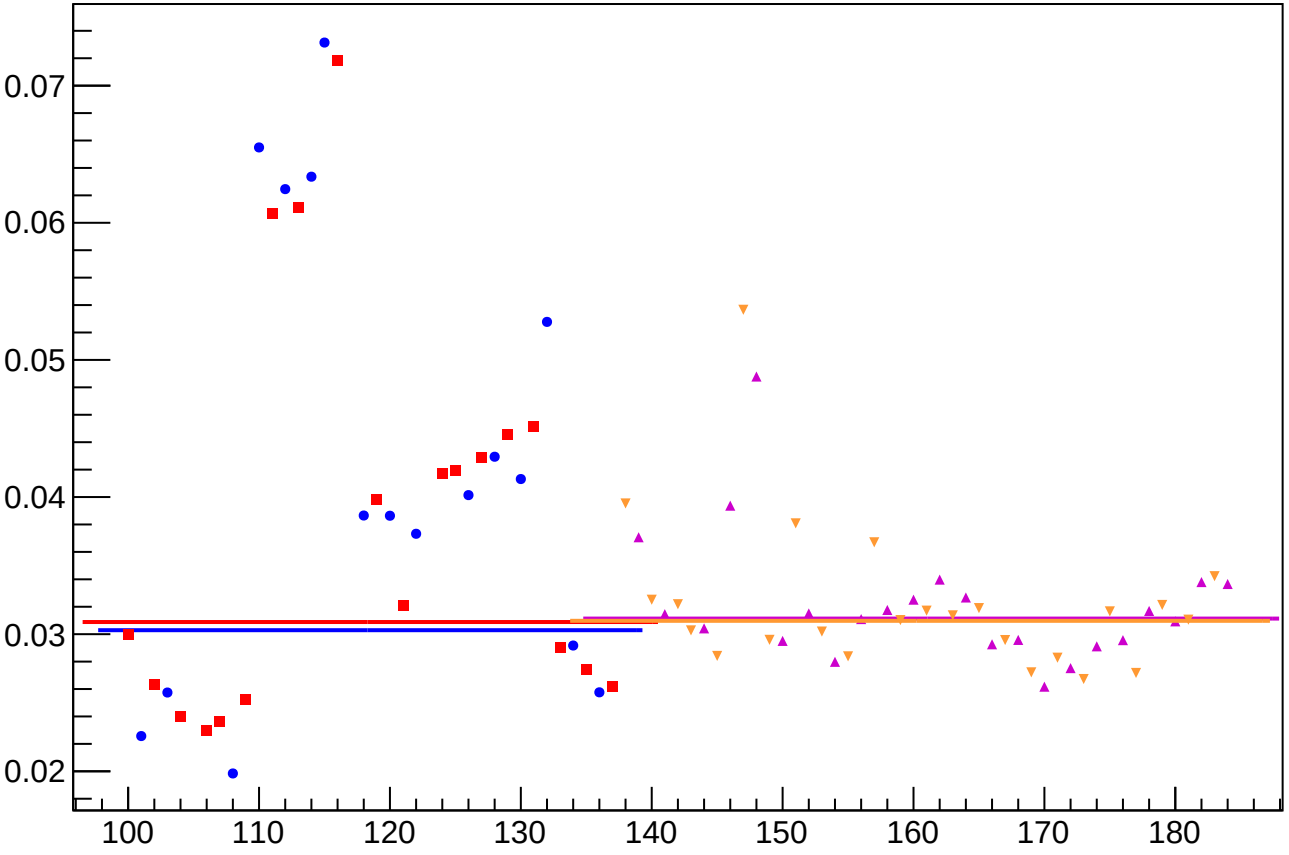
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.490+/-0.000 χ^2/NDF: 33834411314.9/39

All: 18.528+/-0.000 χ^2/NDF: 70041296246.1

- sign 18.567+/-0.000 χ^2/NDF: 36133706660.0/41

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

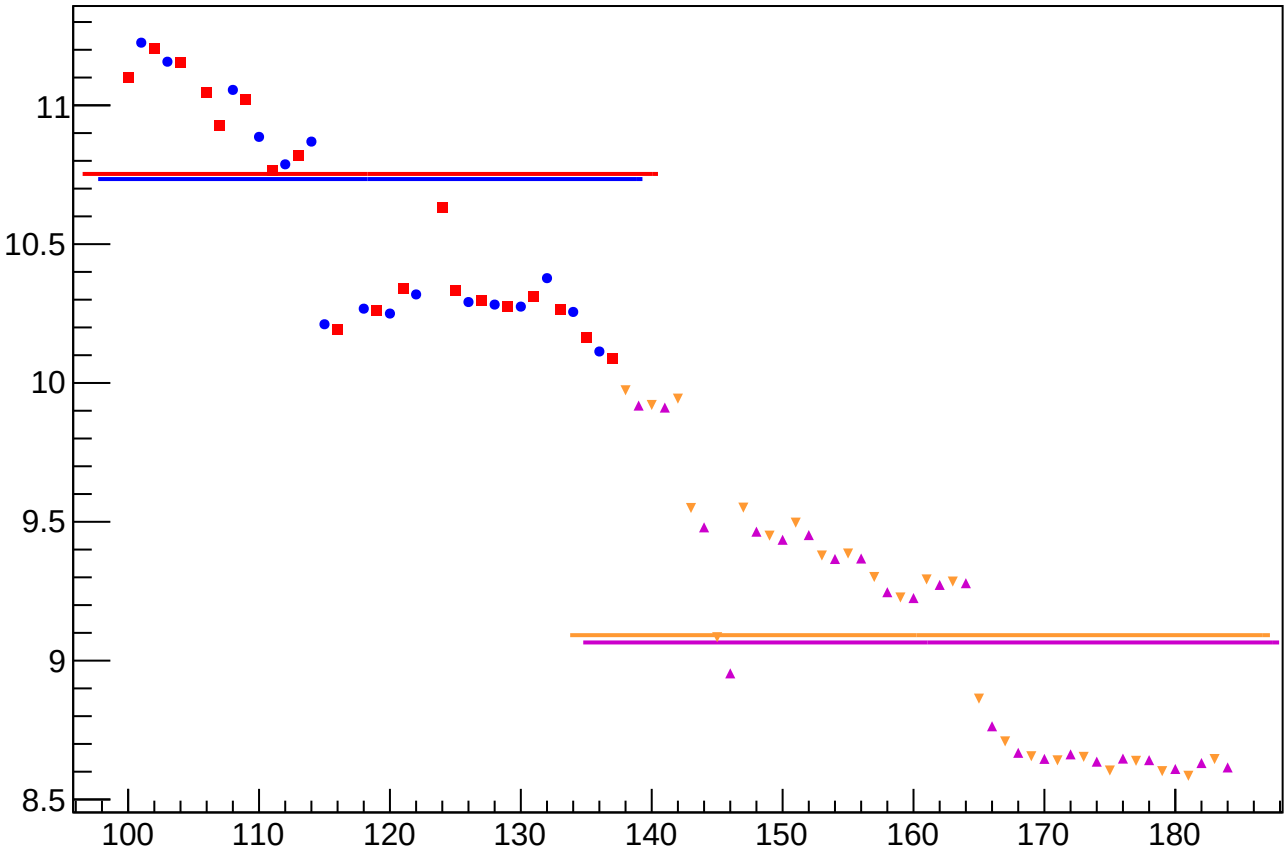
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2071404.0/39

All: 0.031+/-0.000 χ^2/NDF: 3761482.5/81

- sign 0.031+/-0.000 χ^2/NDF: 1688248.5/41



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

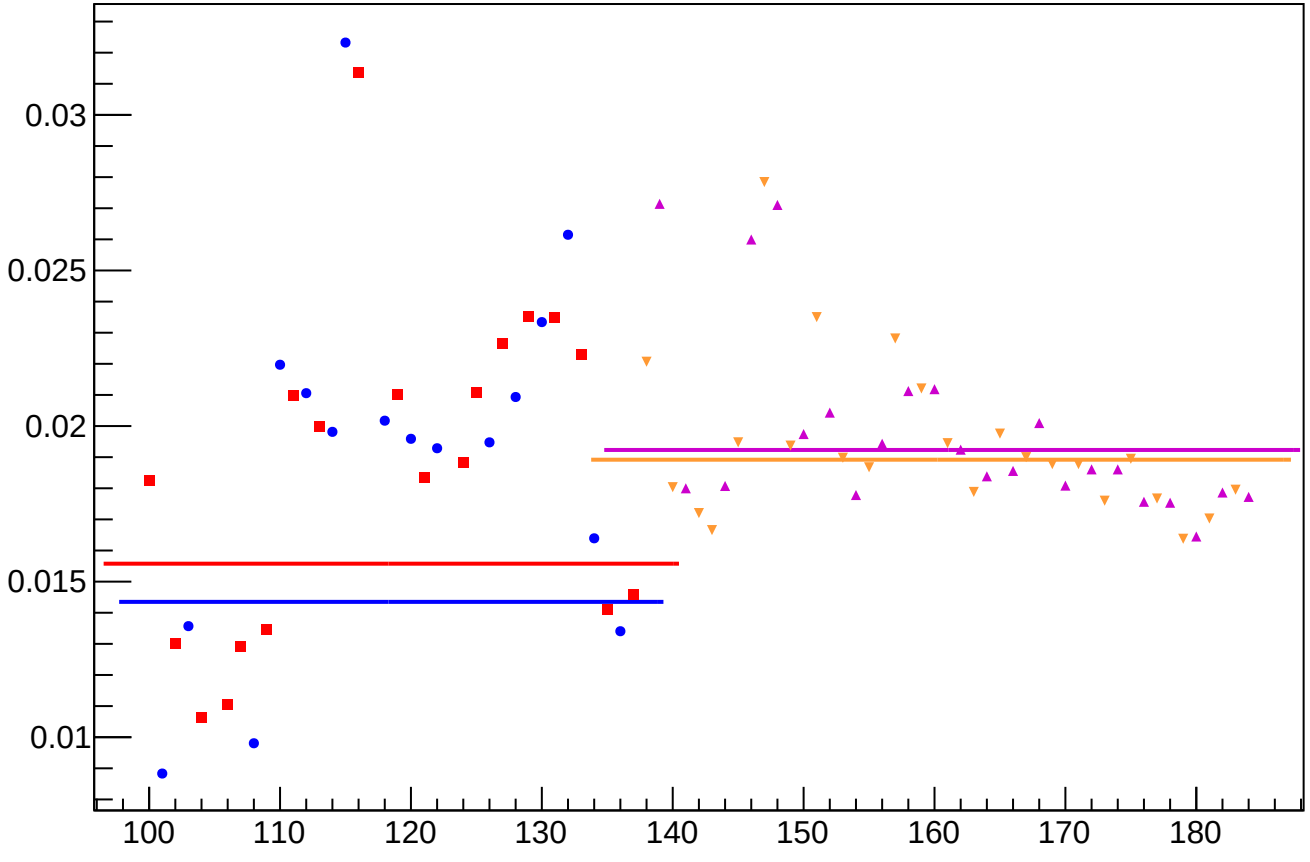
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.688+/-0.000 χ^2/NDF: 63418081648.8/39

All: 9.683+/-0.000 χ^2/NDF: 122108568208.0

- sign 9.678+/-0.000 χ^2/NDF: 58686816553.7/41

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

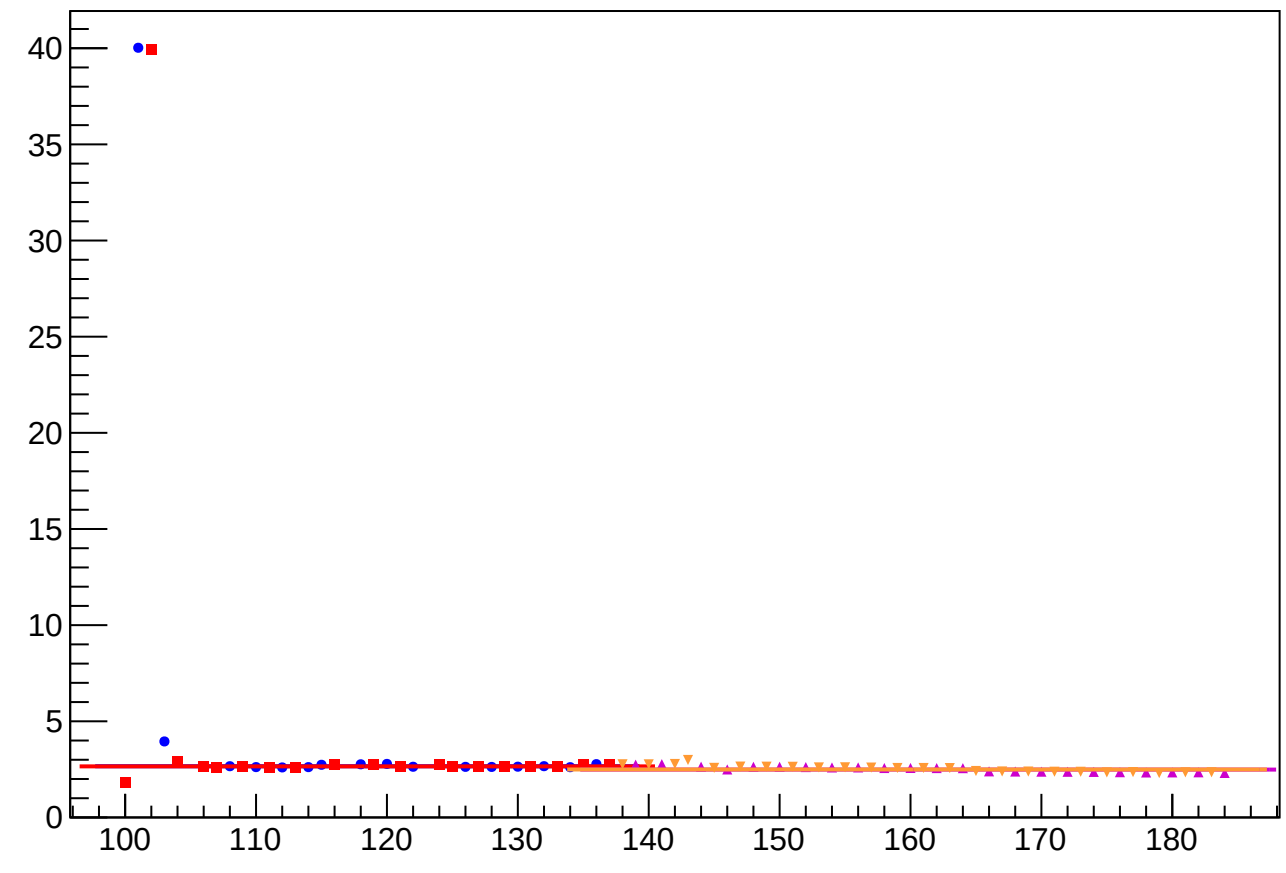
Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

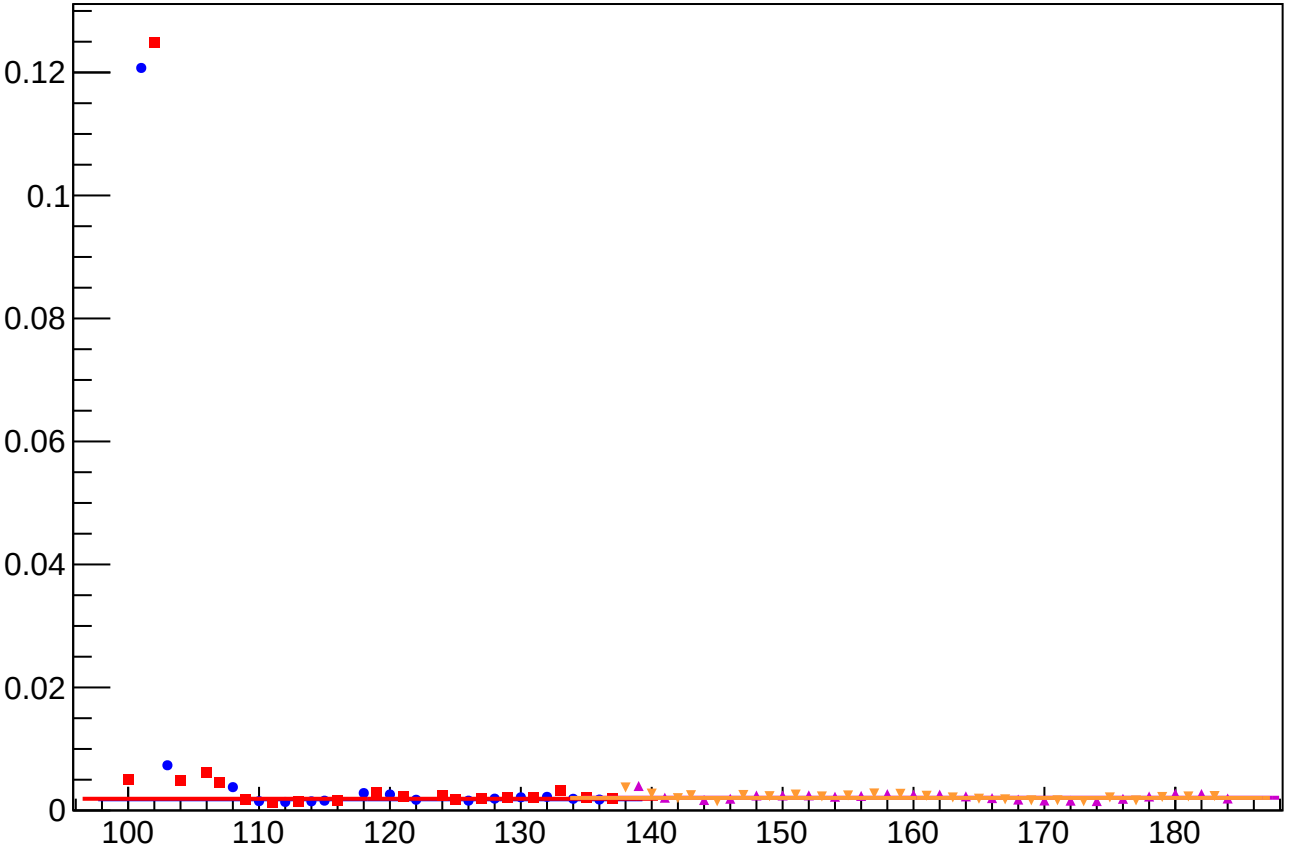
+ sign 0.017+/-0.000 χ^2/NDF: 2654308.1/39

All: 0.018+/-0.000 χ^2/NDF: 4731720.5/81

- sign 0.018+/-0.000 χ^2/NDF: 2047035.6/41


yield_sam7_mean vs Slug
40
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 2.664+/-0.000 χ²/NDF: 67839888284.3/15
Left Out: 2.495+/-0.000 χ²/NDF:91036582586.4/23
Right Out: 2.656+/-0.000 χ²/NDF: 65056887880.1/18
Left In: 2.489+/-0.000 χ²/NDF:61212546319.1/22
+ sign 2.542+/-0.000 χ²/NDF: 188578237767.6/39
All: 2.540+/-0.000 χ²/NDF: 342996416325.8
- sign 2.537+/-0.000 χ²/NDF: 154356855835.2/41

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

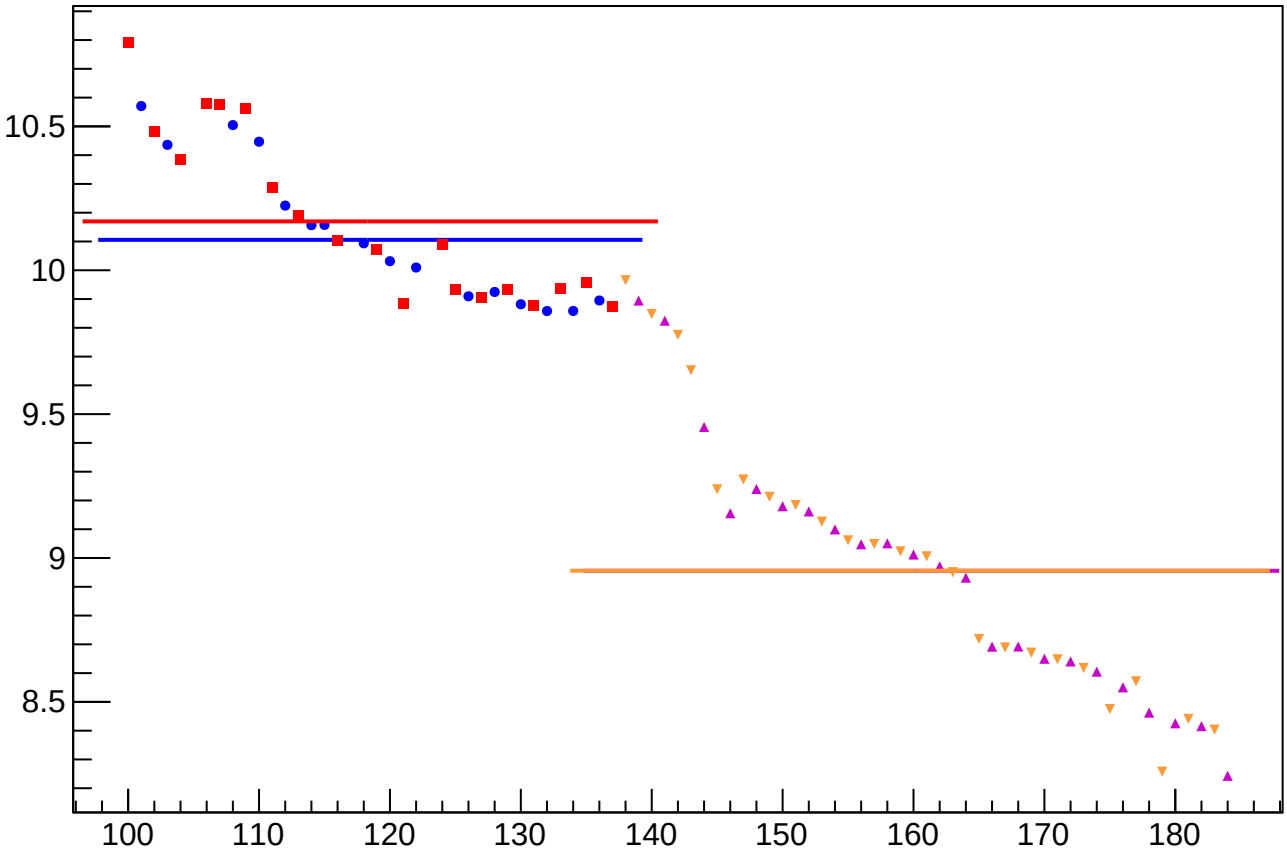
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 3429036.7/39

All: 0.002+/-0.000 χ^2/NDF: 7421217.5/81

- sign 0.002+/-0.000 χ^2/NDF: 3983283.3/41



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

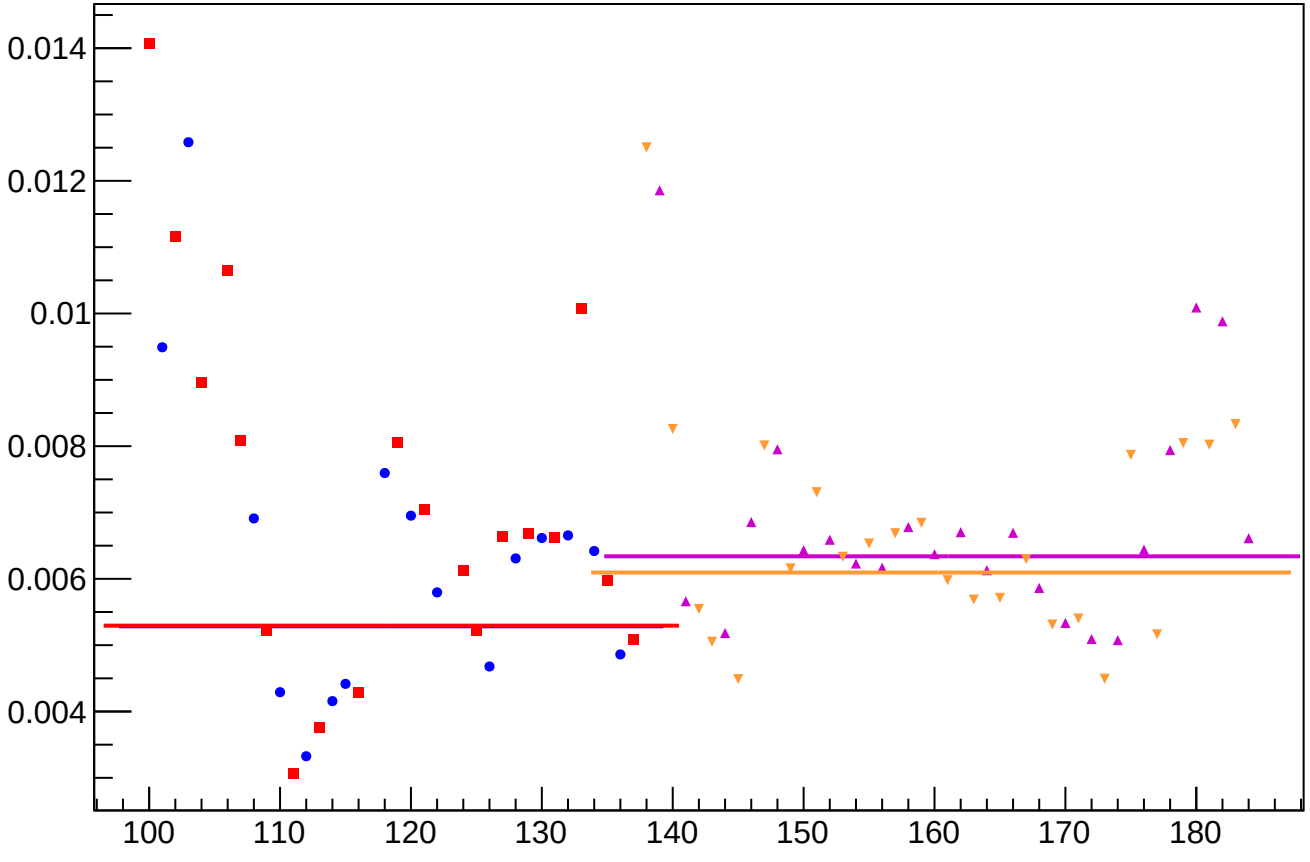
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.328+/-0.000 χ^2/NDF: 245891207743.3/39

All: 9.354+/-0.000 χ^2/NDF: 495515959344.4

- sign 9.383+/-0.000 χ^2/NDF: 248729983609.1/41

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

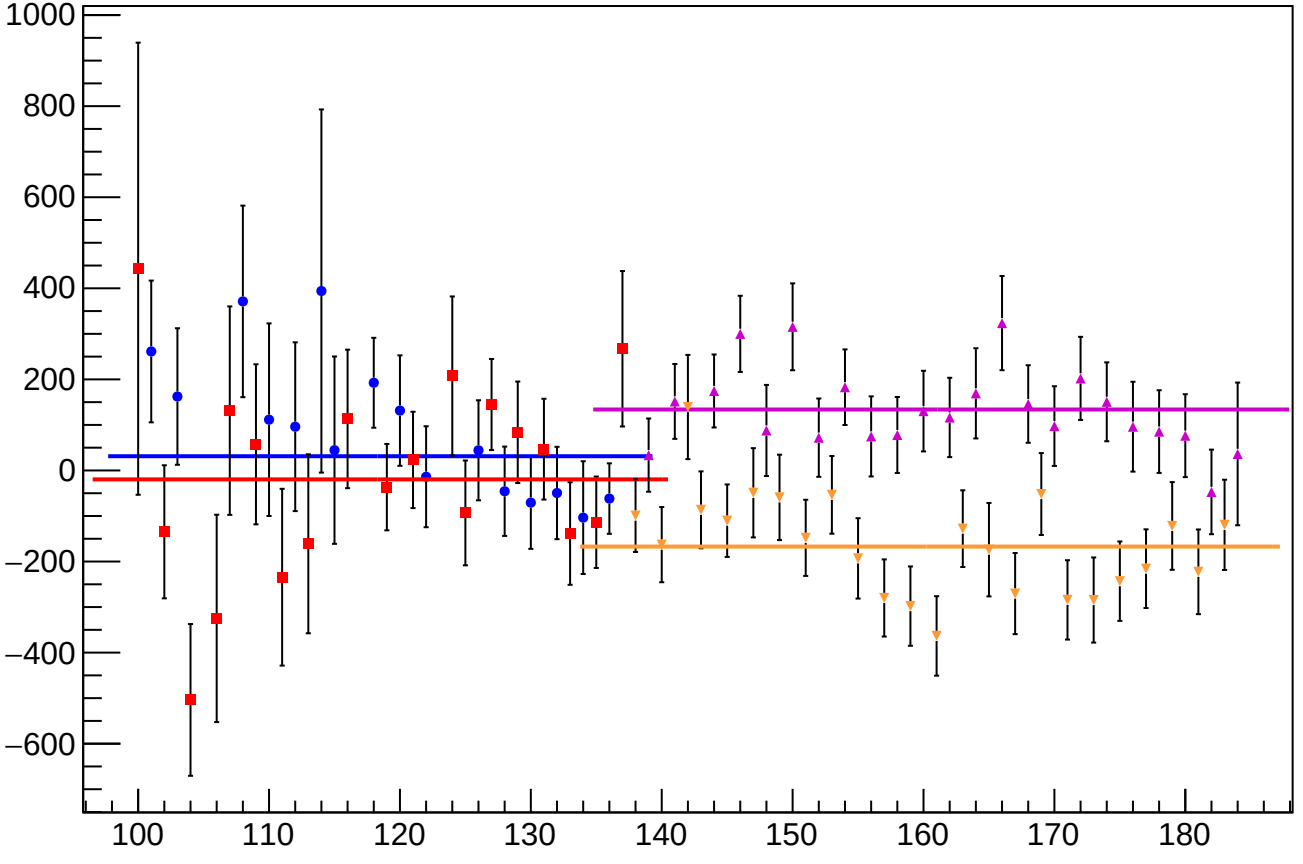
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 2854757.2/39

All: 0.006+/-0.000 χ^2/NDF: 6112066.0/81

- sign 0.006+/-0.000 χ^2/NDF: 3246338.9/41

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

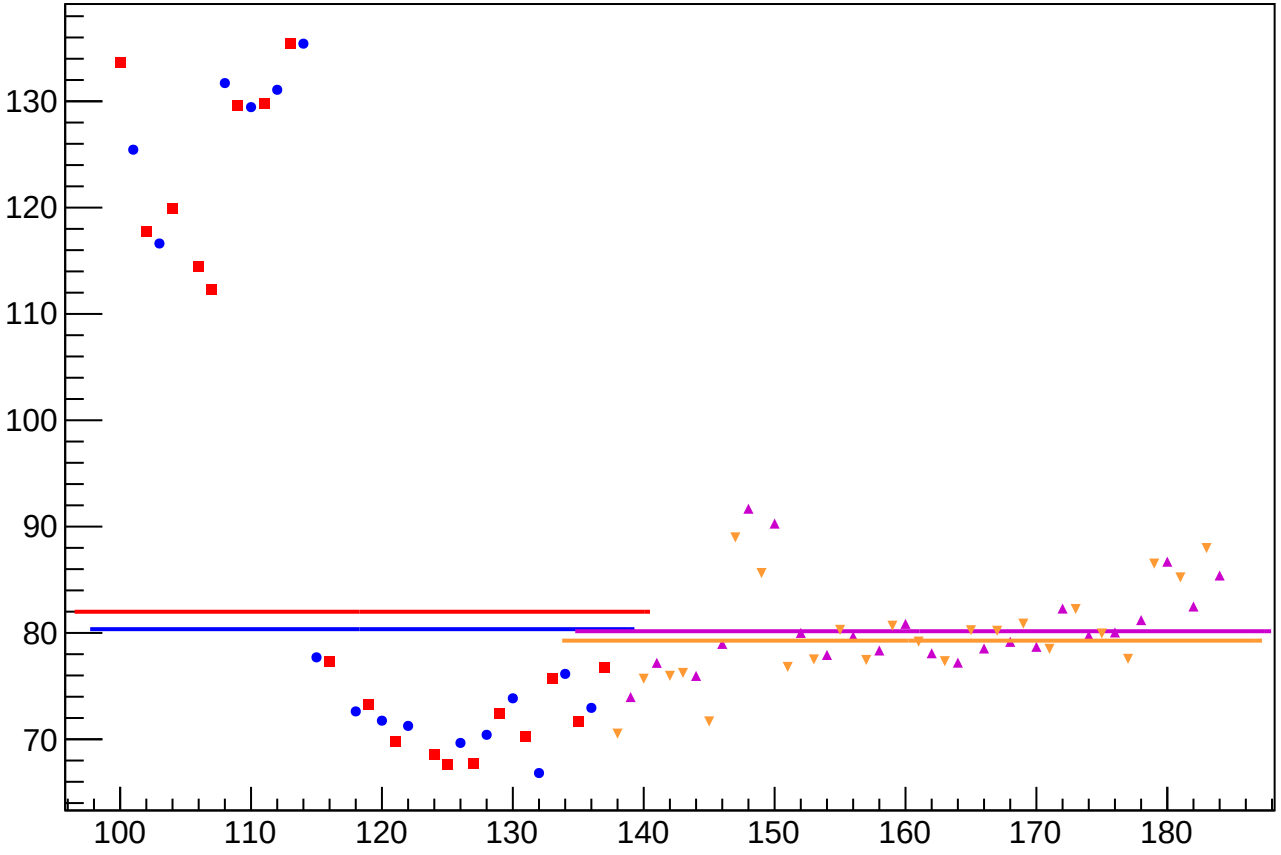
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -115.911+/-15.647 χ^2/NDF: 77.5/39

All: -14.224+/-11.206 χ^2/NDF: 228.7/81

- sign 92.846+/-16.055 χ^2/NDF: 64.5/41

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

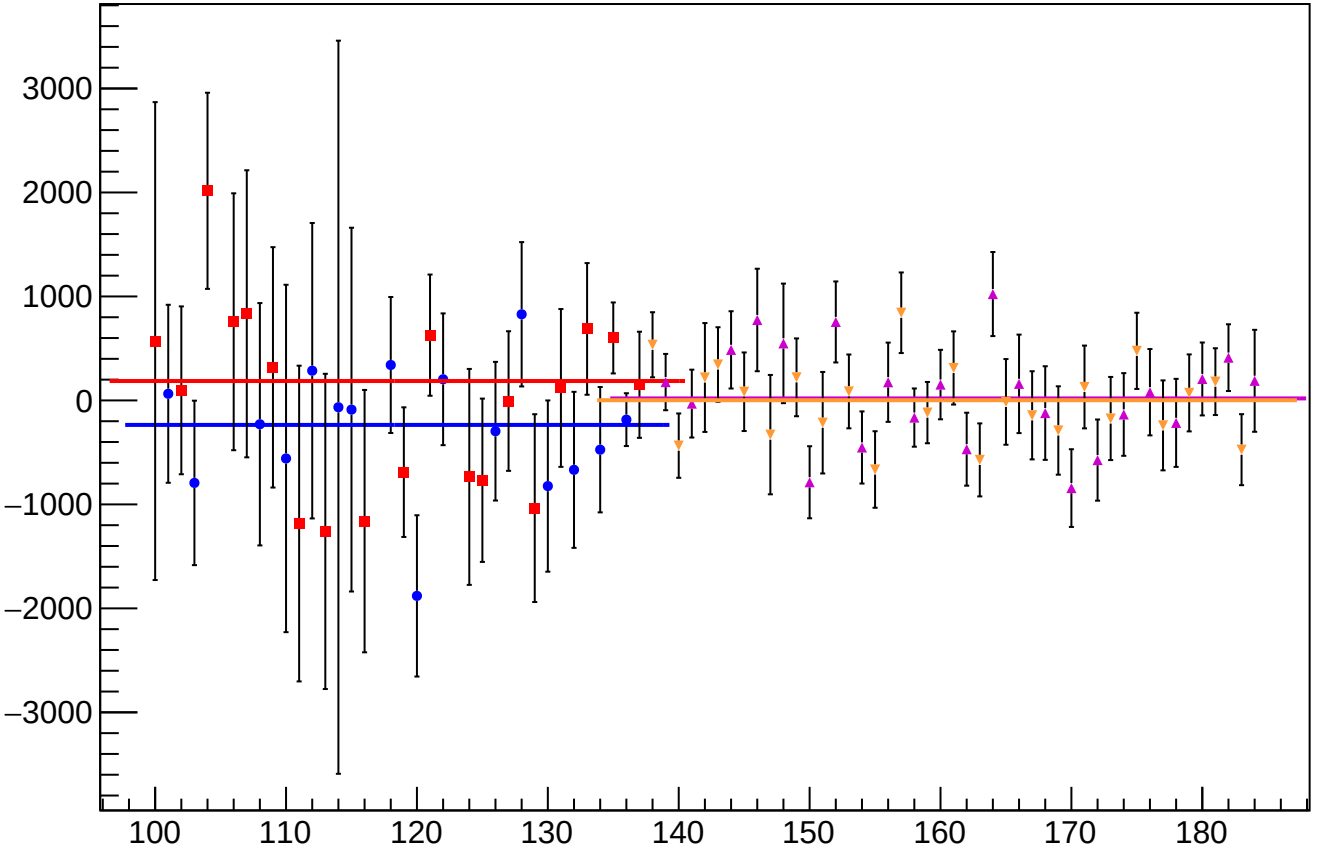
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.554+/-0.011 χ^2/NDF: 965336.0/39

All: 80.088+/-0.008 χ^2/NDF: 1999027.6/81

- sign 80.650+/-0.011 χ^2/NDF: 1028910.9/41

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

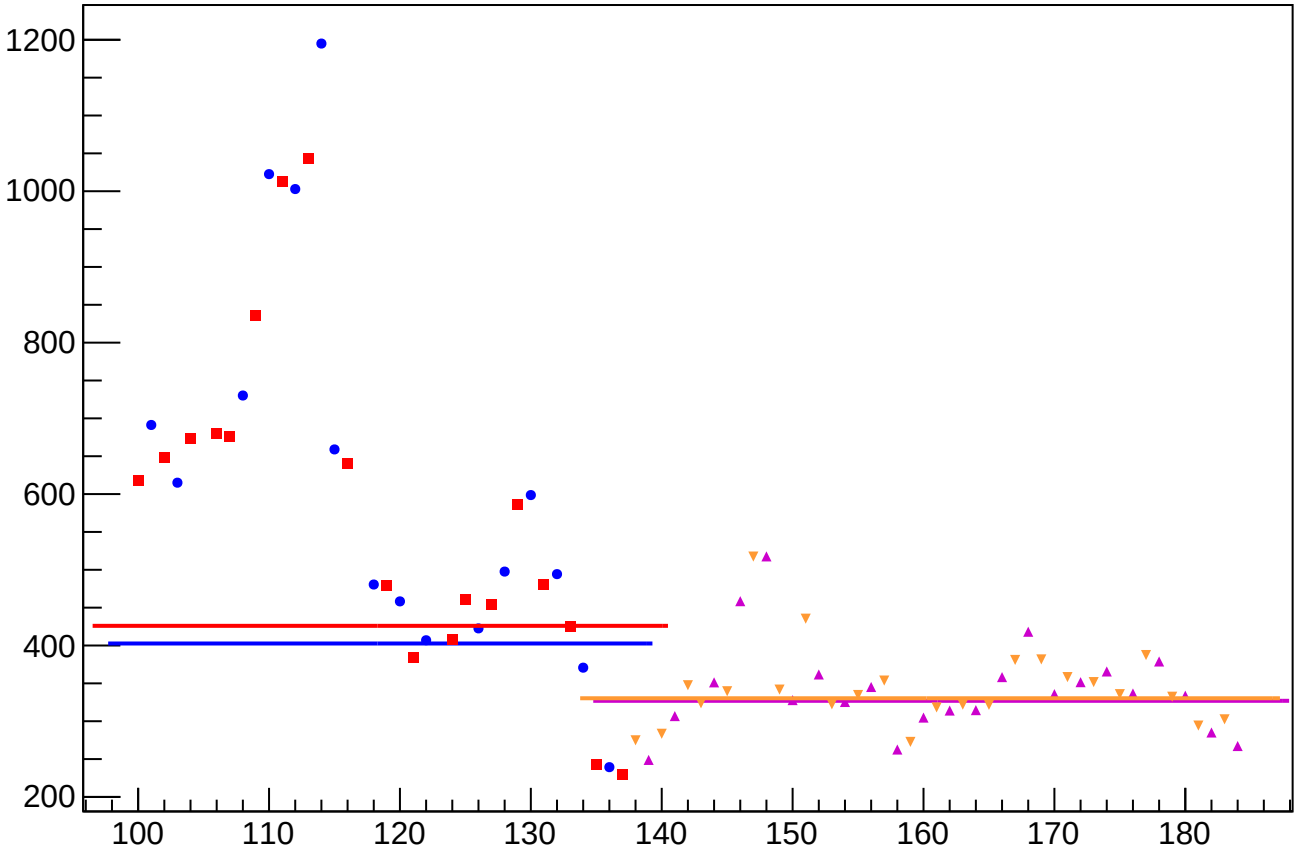
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -40.552+/-69.287 χ^2/NDF: 35.4/39

All: 2.909+/-49.443 χ^2/NDF: 88.0/81

- sign 48.003+/-70.576 χ^2/NDF: 51.8/41

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

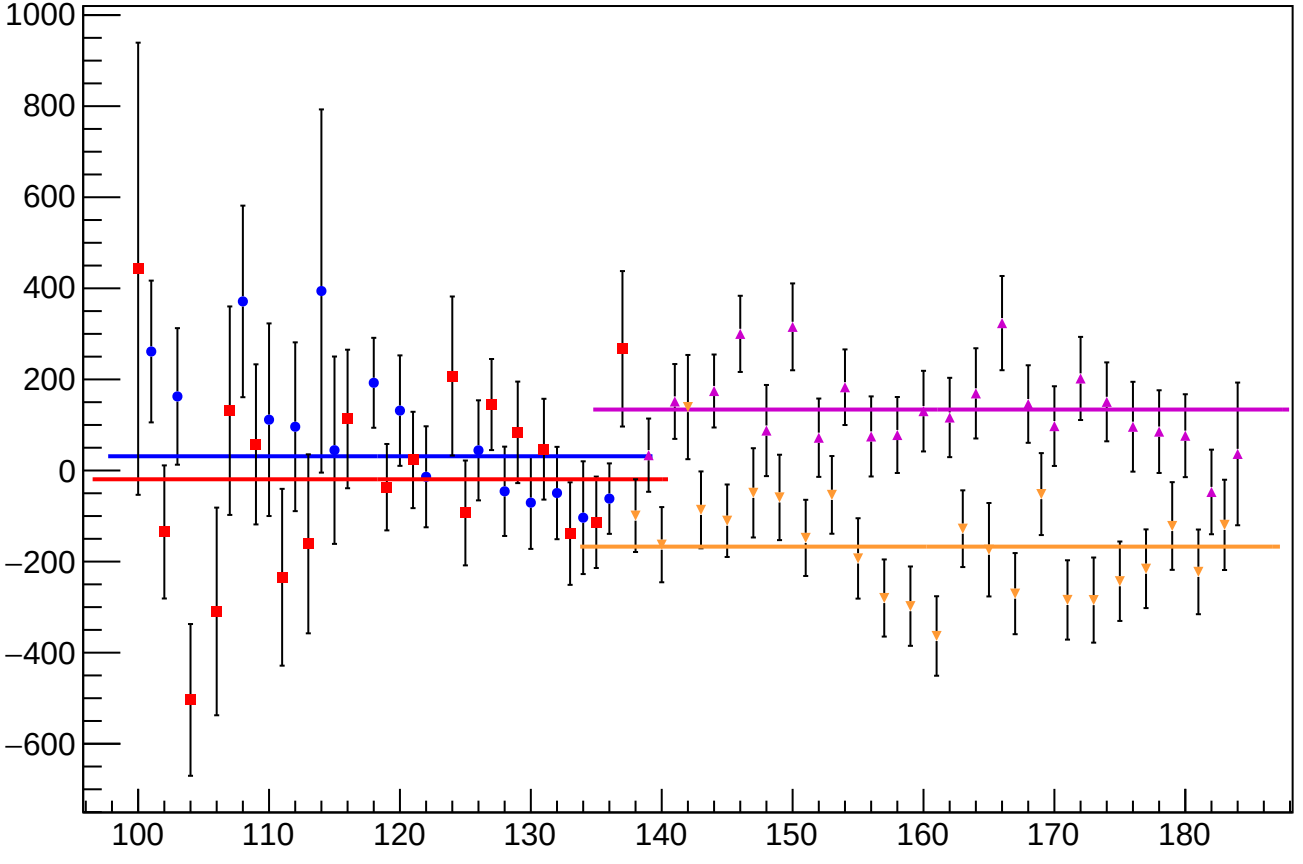
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 343.273+/-0.049 χ^2/NDF: 3336878.5/39

All: 343.605+/-0.035 χ^2/NDF: 7164588.3/81

- sign 343.950+/-0.050 χ^2/NDF: 3827616.0/41

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

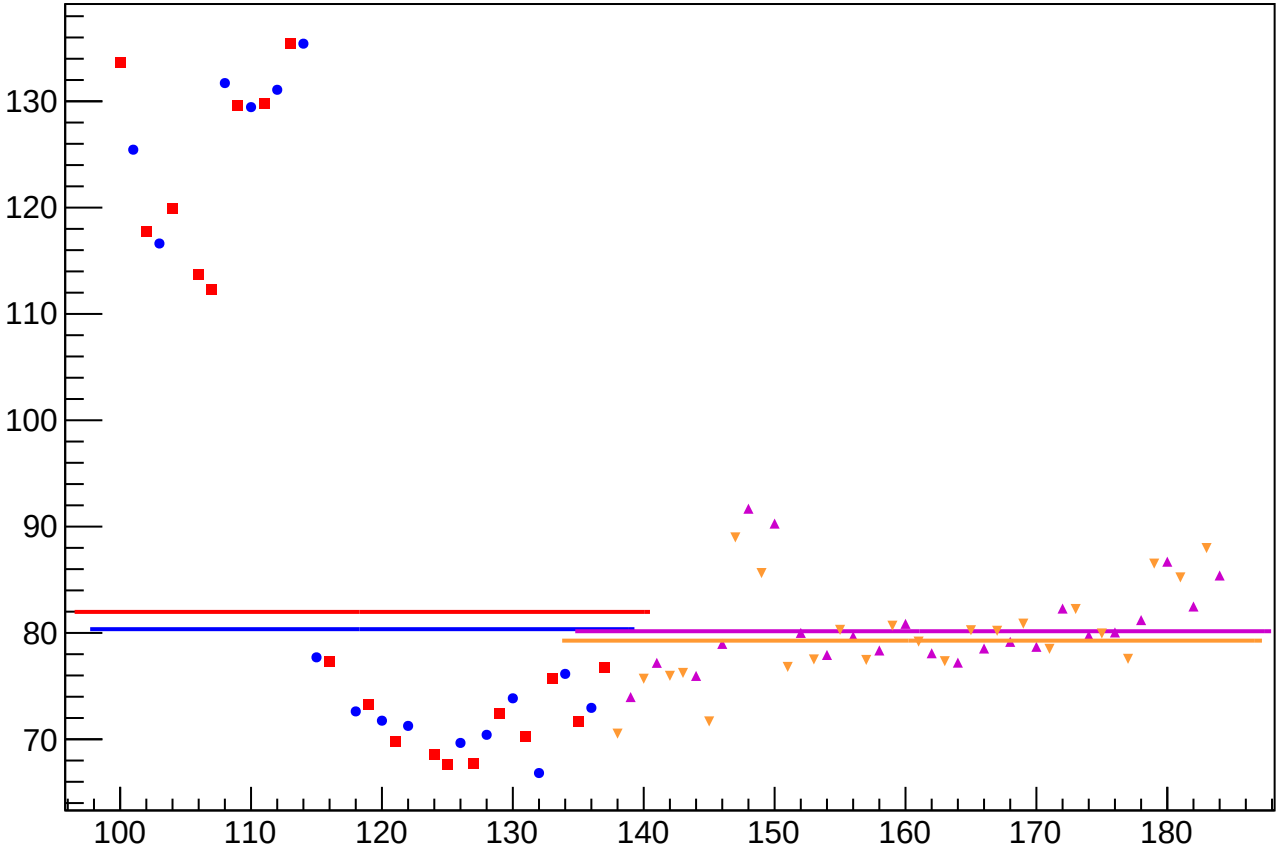
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -115.906+/-15.647 χ^2/NDF: 77.5/39

All: -14.181+/-11.206 χ^2/NDF: 228.5/81

- sign 92.931+/-16.056 χ^2/NDF: 64.3/41

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

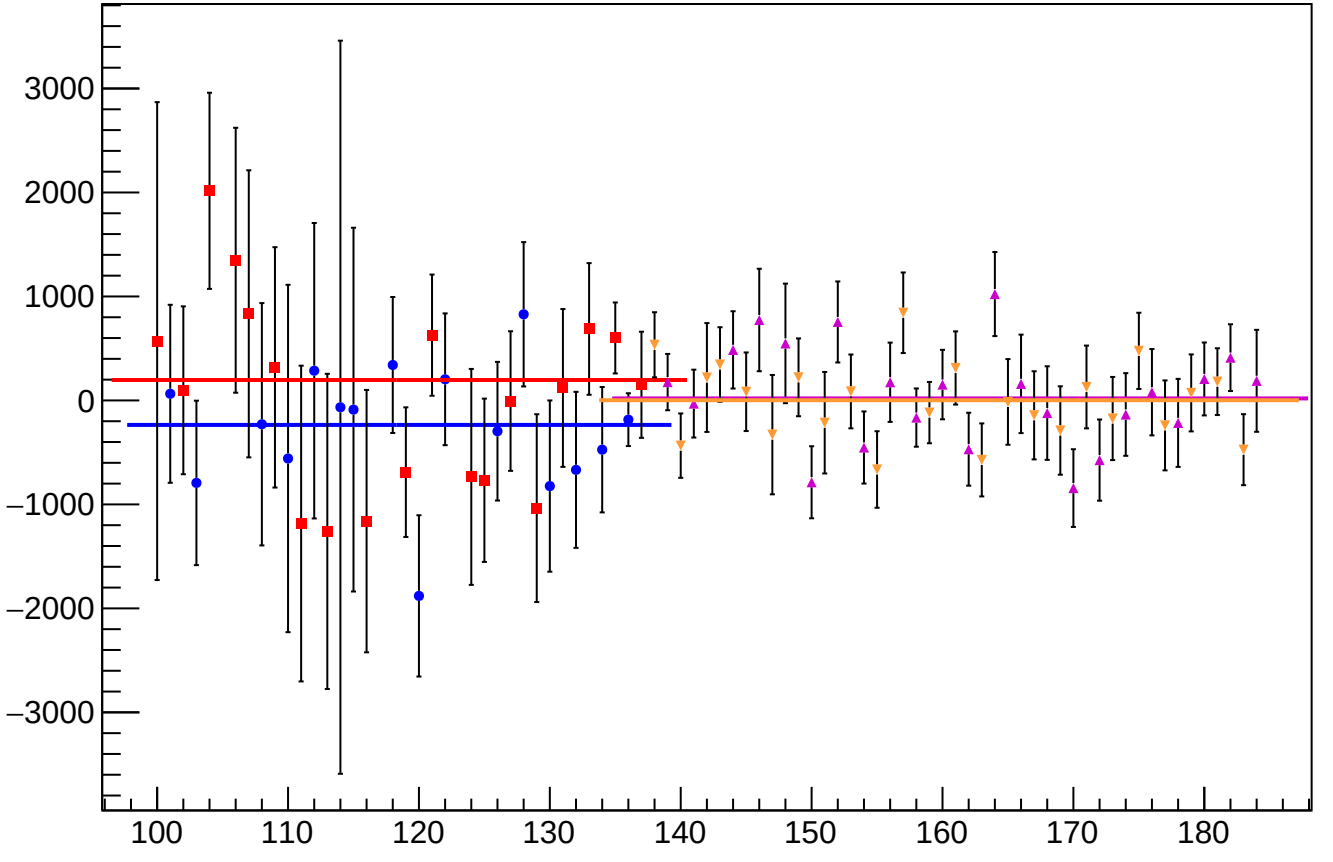
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.554+/-0.011 χ^2/NDF: 965336.2/39

All: 80.086+/-0.008 χ^2/NDF: 1997037.8/81

- sign 80.646+/-0.011 χ^2/NDF: 1026956.0/41

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

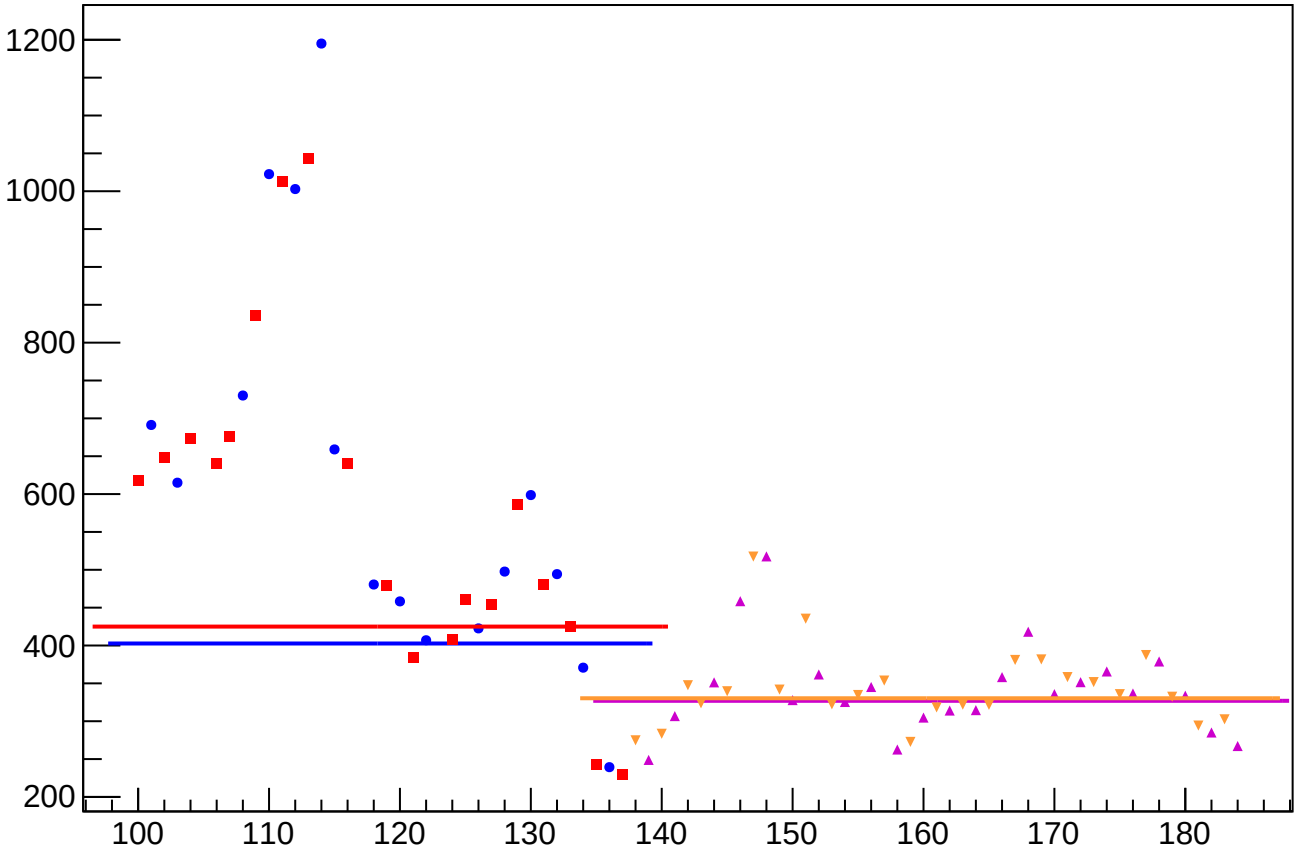
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -40.551+/-69.287 χ^2/NDF: 35.4/39

All: 3.732+/-49.445 χ^2/NDF: 88.7/81

- sign 49.689+/-70.583 χ^2/NDF: 52.5/41

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

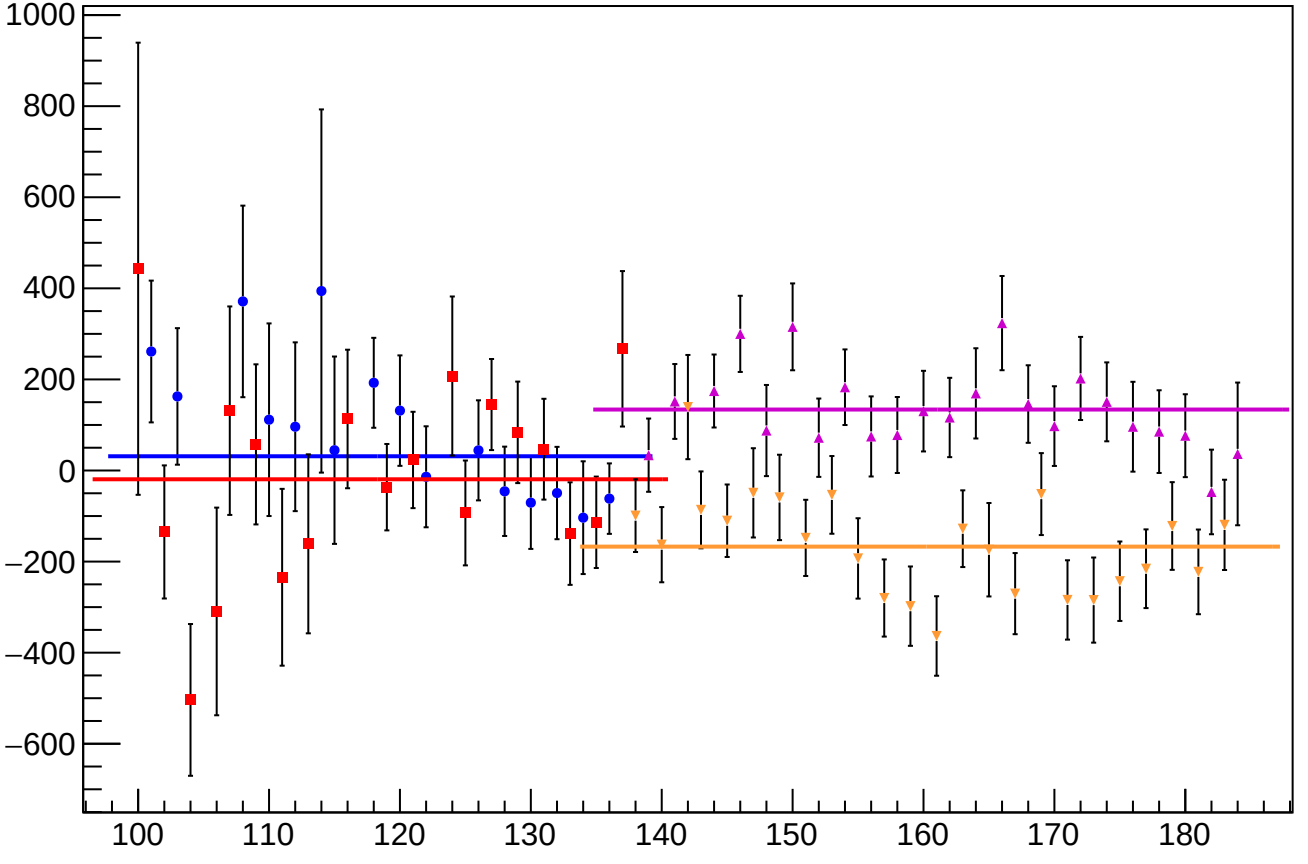
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 343.273+/-0.049 χ^2/NDF: 3336884.7/39

All: 343.514+/-0.035 χ^2/NDF: 7125111.9/81

- sign 343.764+/-0.050 χ^2/NDF: 3788177.9/41

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

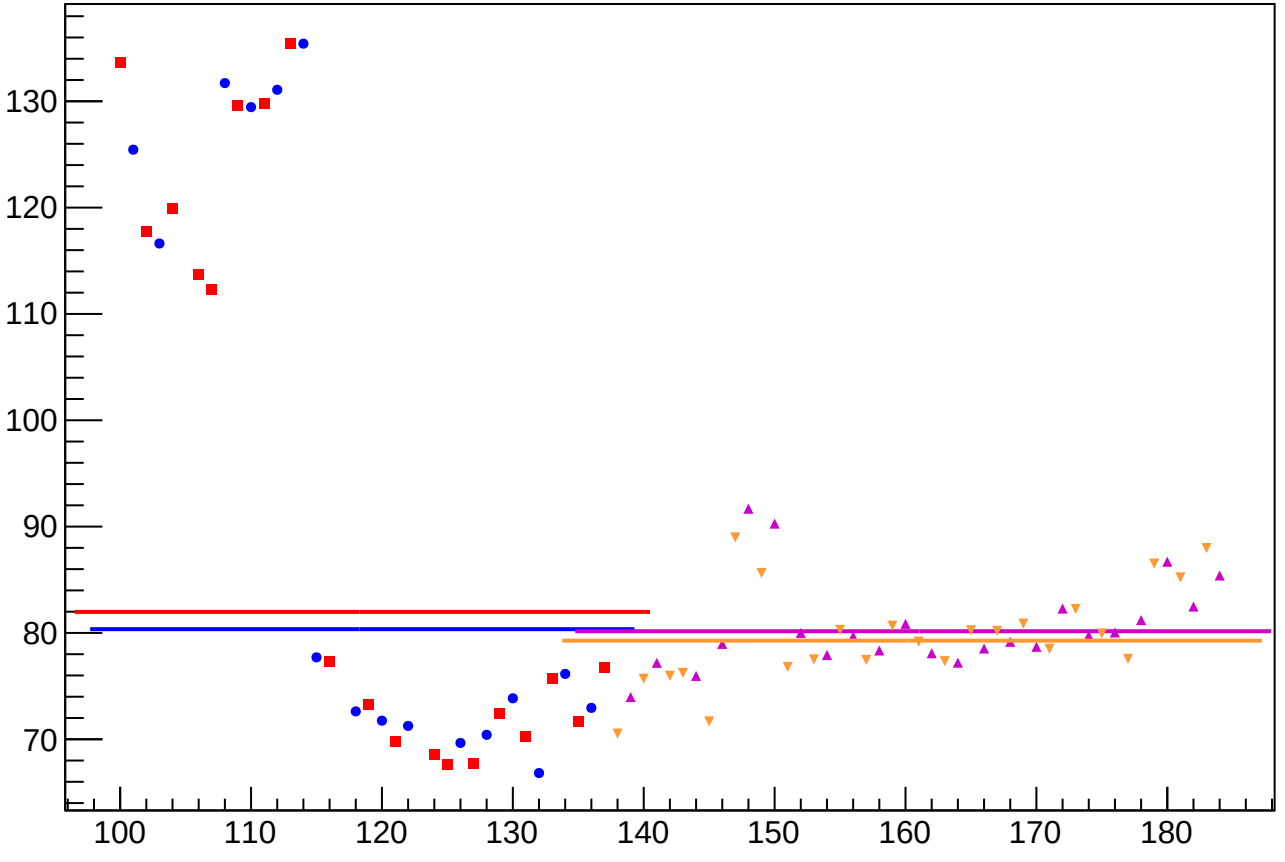
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -115.906+/-15.647 χ^2/NDF: 77.5/39

All: -14.181+/-11.206 χ^2/NDF: 228.5/81

- sign 92.931+/-16.056 χ^2/NDF: 64.3/41

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

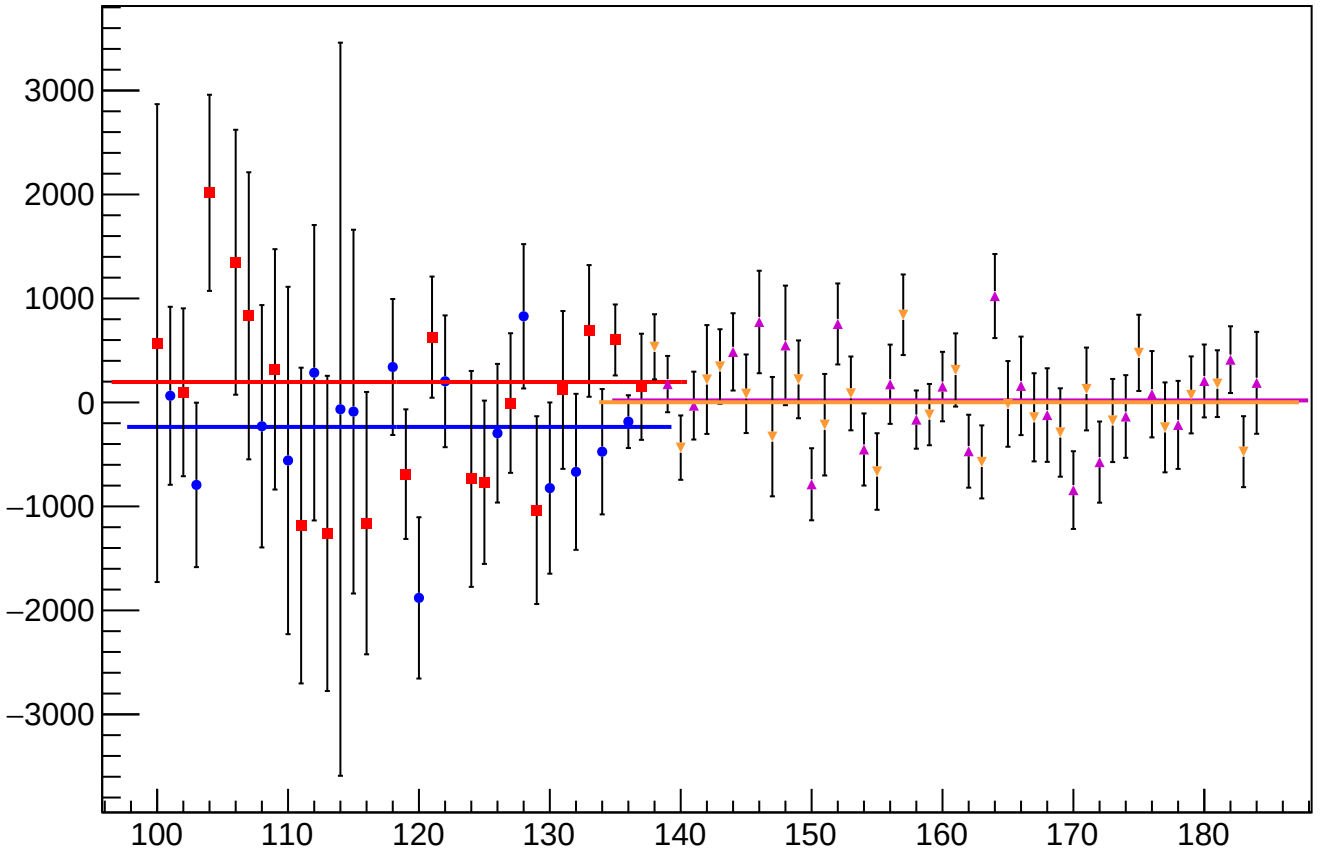
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.554+/-0.011 χ^2/NDF: 965336.2/39

All: 80.086+/-0.008 χ^2/NDF: 1997037.8/81

- sign 80.646+/-0.011 χ^2/NDF: 1026956.0/41



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

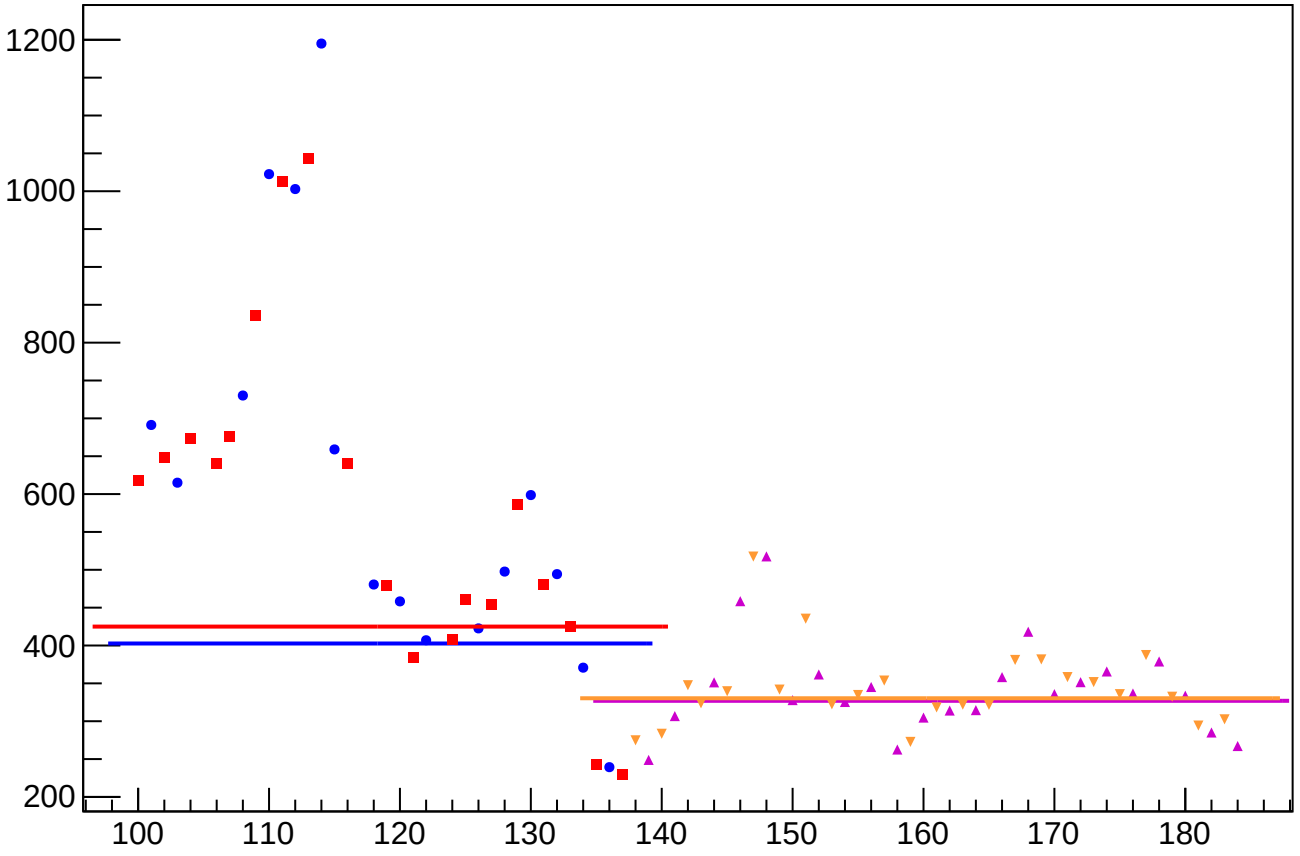
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -40.551+/-69.287 χ^2/NDF: 35.4/39

All: 3.732+/-49.445 χ^2/NDF: 88.7/81

\- sign 49.689+/-70.583 χ^2/NDF: 52.5/41

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

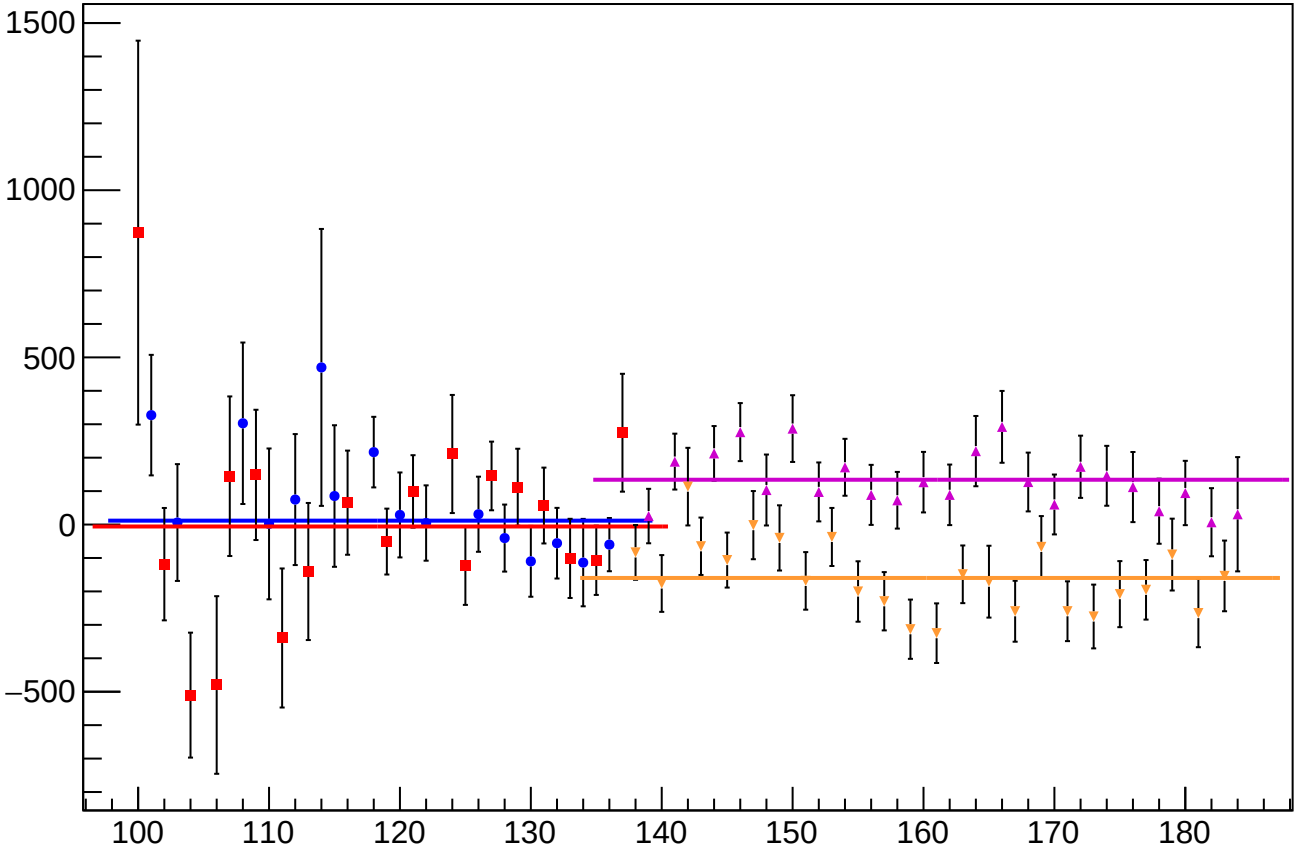
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 343.273+/-0.049 χ^2/NDF: 3336884.7/39

All: 343.514+/-0.035 χ^2/NDF: 7125111.9/81

- sign 343.764+/-0.050 χ^2/NDF: 3788177.9/41

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

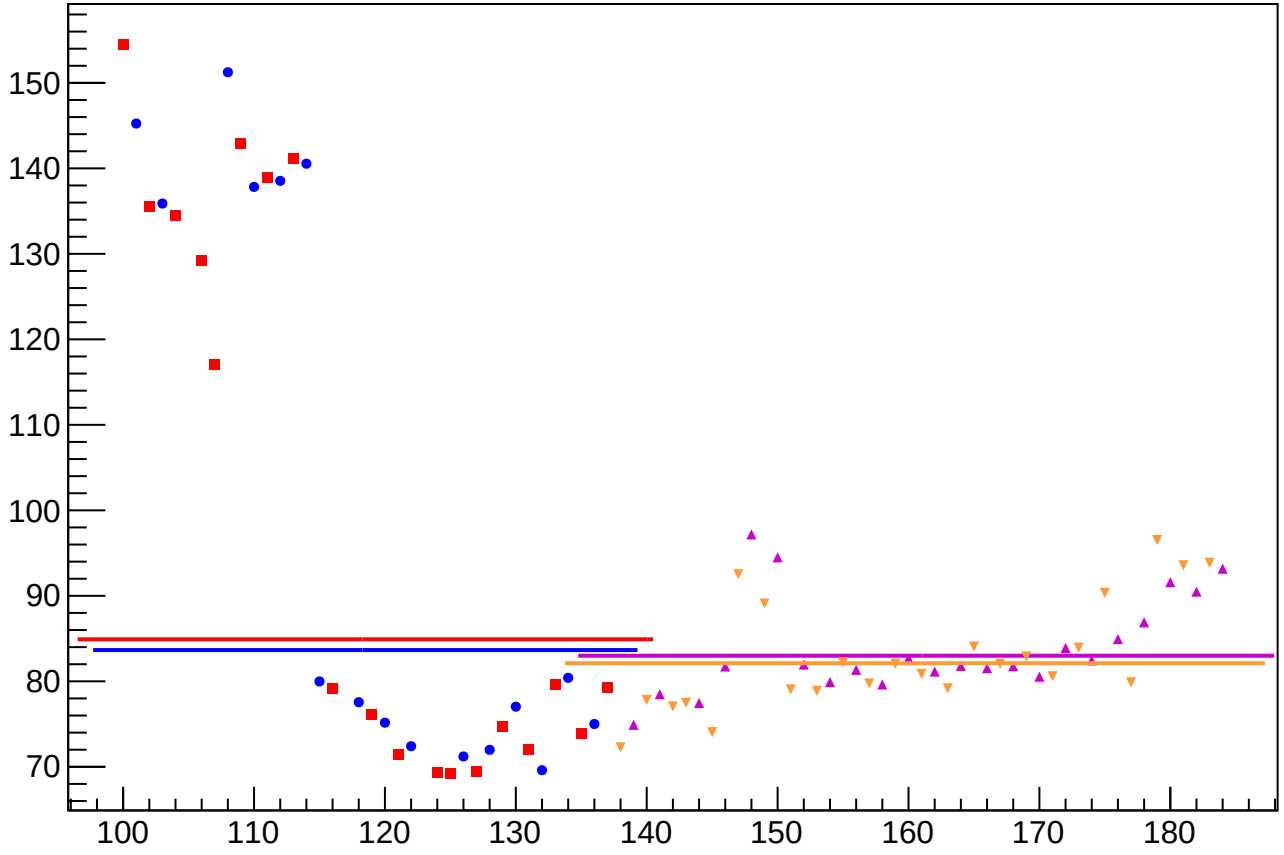
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -116.214+/-16.276 χ^2/NDF: 62.6/39

All: -12.162+/-11.648 χ^2/NDF: 205.3/81

- sign 97.068+/-16.676 χ^2/NDF: 58.9/41

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

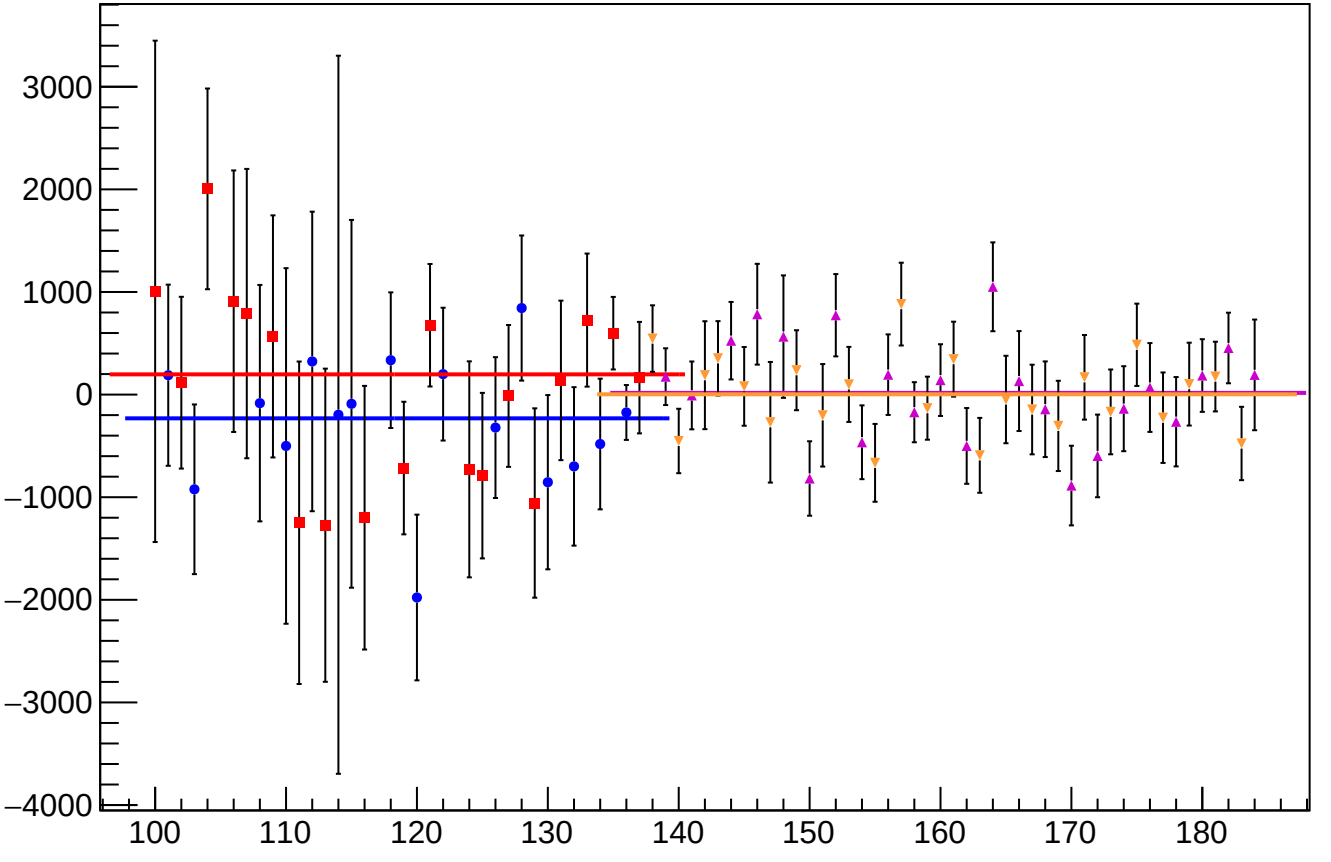
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.506+/-0.012 χ^2/NDF: 1244782.6/39

All: 82.991+/-0.008 χ^2/NDF: 2520855.8/81

- sign 83.500+/-0.012 χ^2/NDF: 1272431.6/41

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

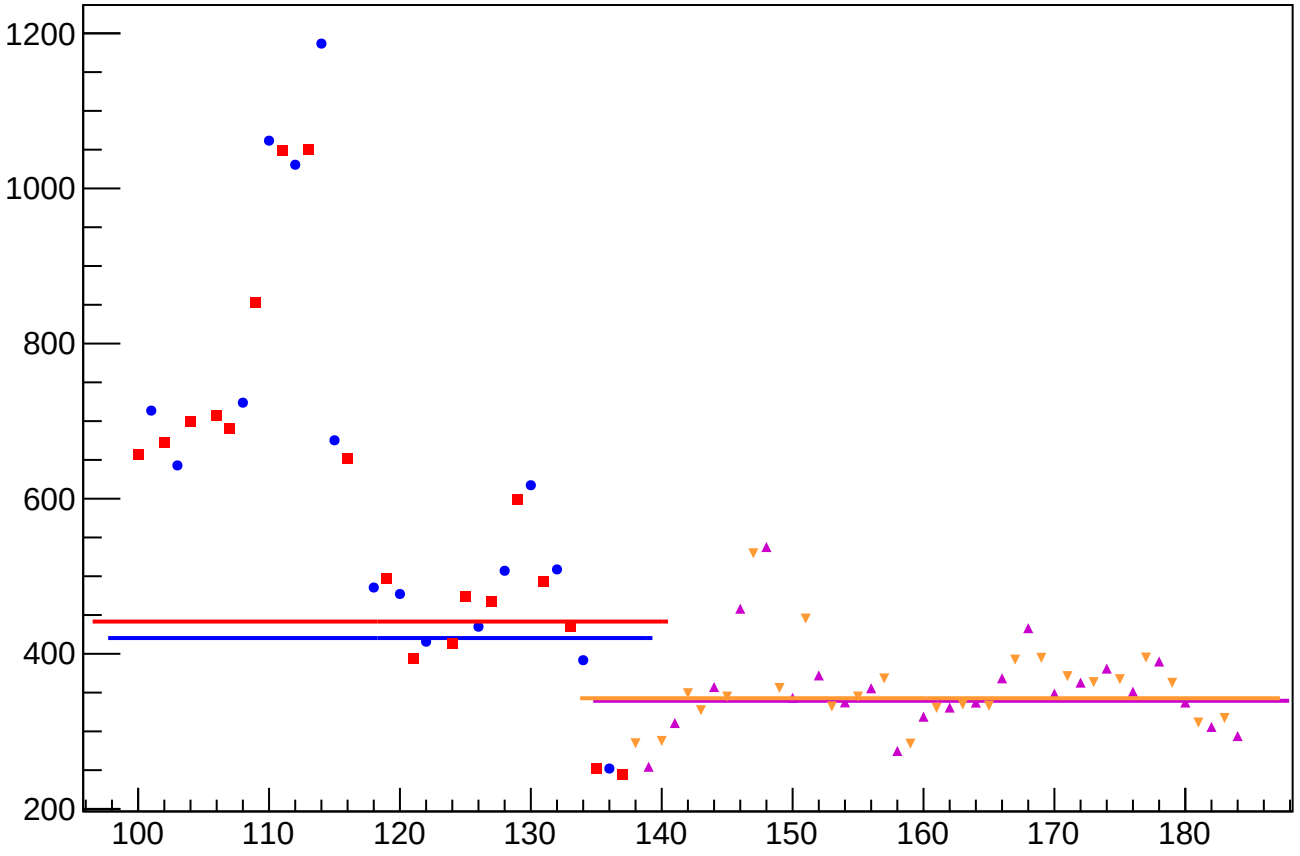
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -38.922+/-71.877 χ^2/NDF: 35.2/39

All: 3.630+/-51.267 χ^2/NDF: 87.5/81

- sign 47.695+/-73.144 χ^2/NDF: 51.7/41

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

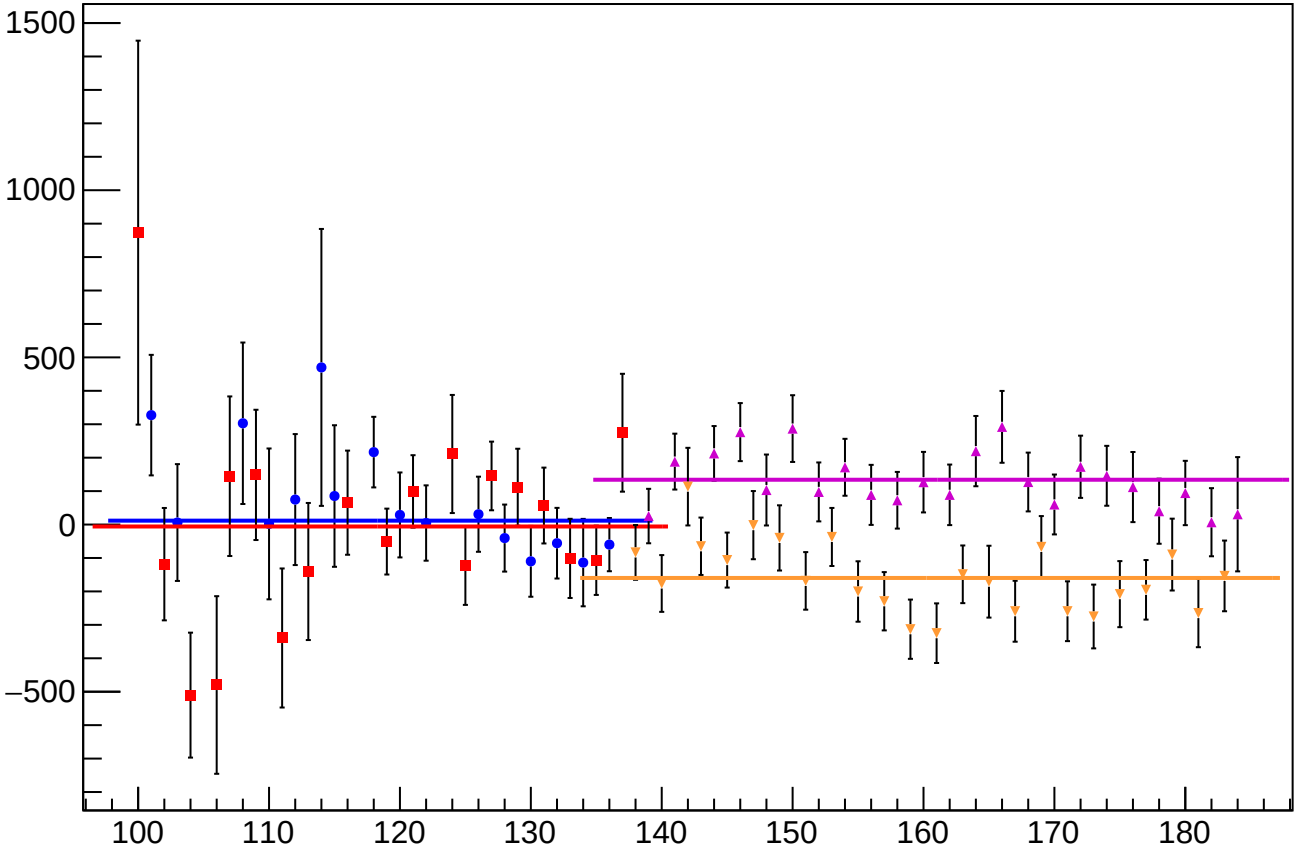
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 356.585+/-0.051 χ^2/NDF: 3238550.1/39

All: 356.817+/-0.036 χ^2/NDF: 6949985.4/81

- sign 357.058+/-0.052 χ^2/NDF: 3711392.8/41

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

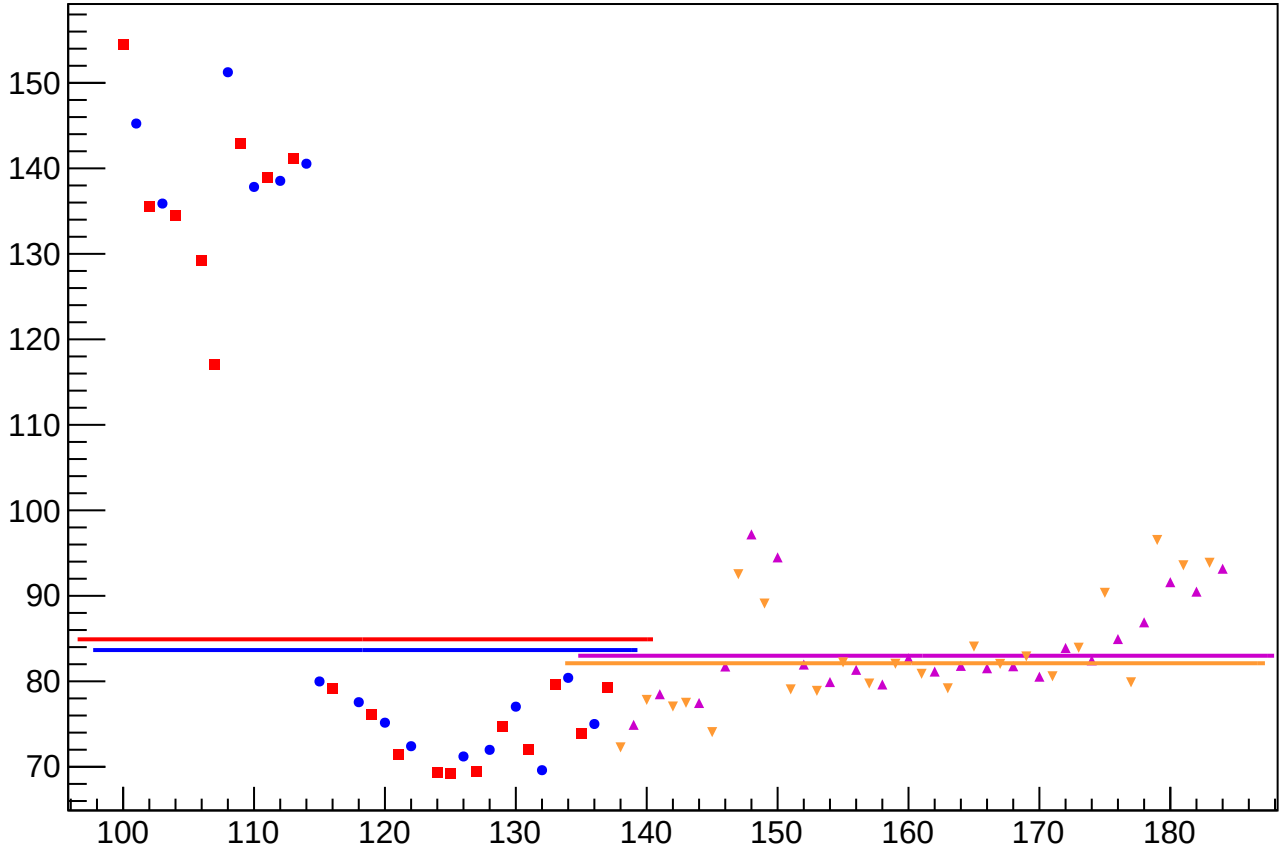
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -116.214+/-16.276 χ^2/NDF: 62.6/39

All: -12.162+/-11.648 χ^2/NDF: 205.3/81

- sign 97.068+/-16.676 χ^2/NDF: 58.9/41

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

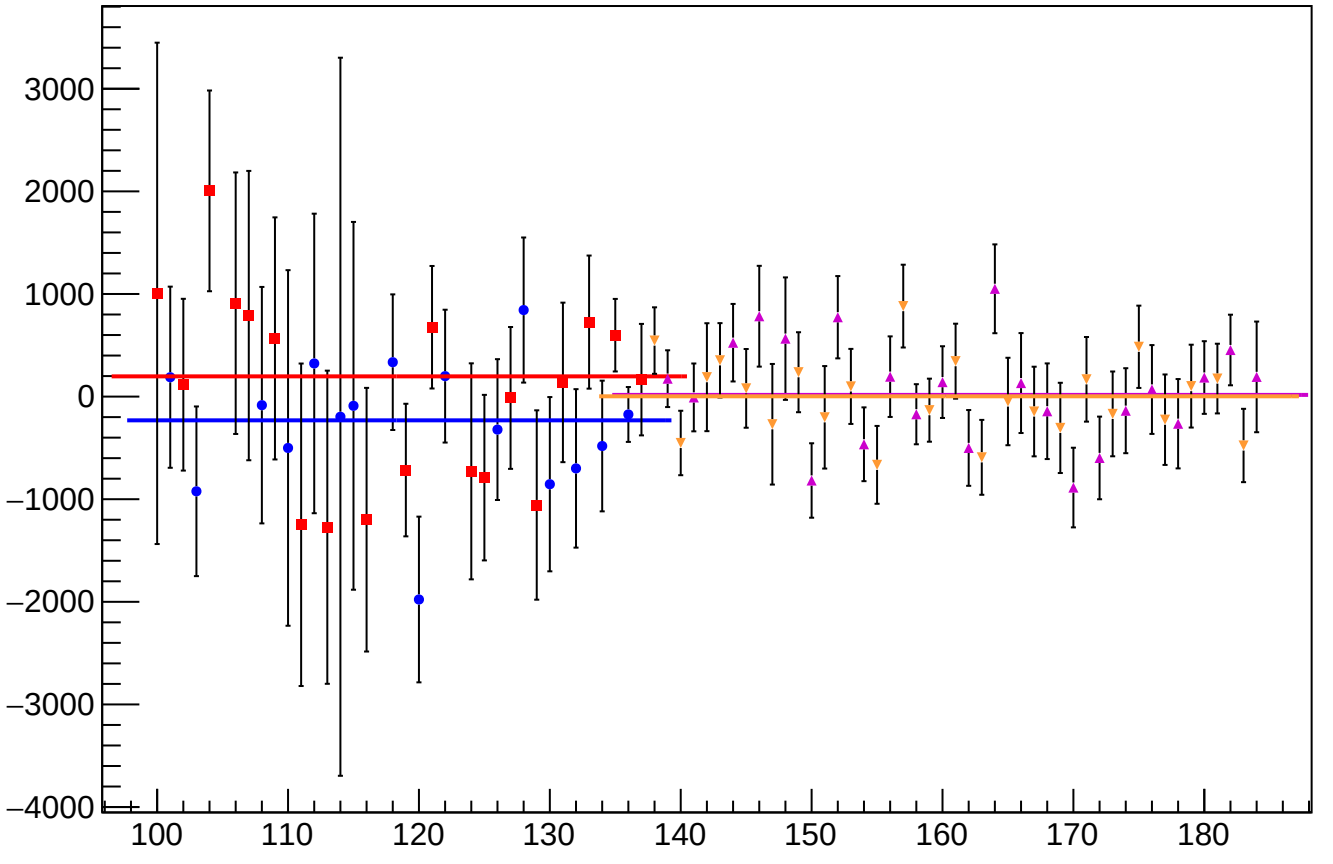
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.506+/-0.012 χ^2/NDF: 1244782.1/39

All: 82.991+/-0.008 χ^2/NDF: 2520852.4/81

- sign 83.500+/-0.012 χ^2/NDF: 1272428.8/41



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

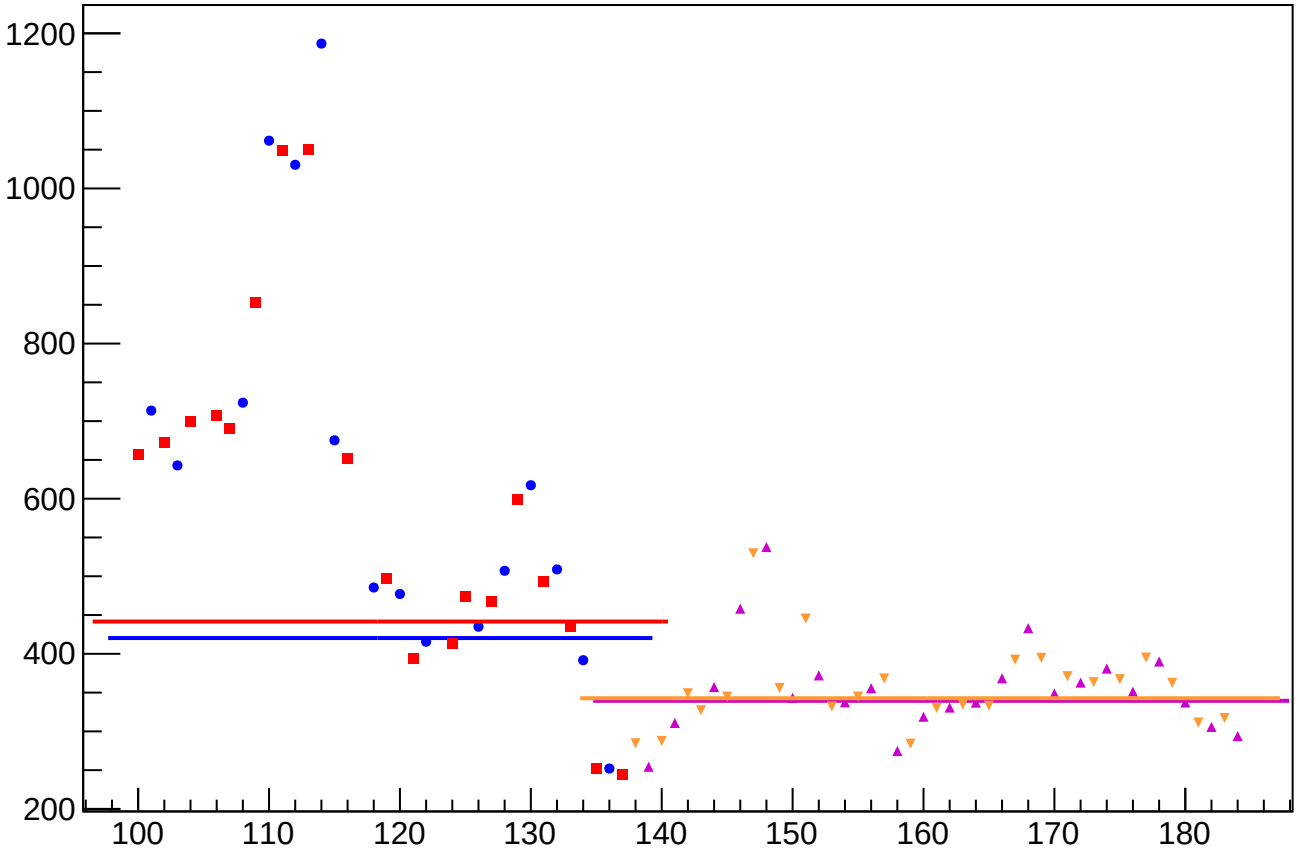
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -38.921+/-71.877 χ^2/NDF: 35.2/39

All: 3.630+/-51.267 χ^2/NDF: 87.5/81

- sign 47.695+/-73.144 χ^2/NDF: 51.7/41

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

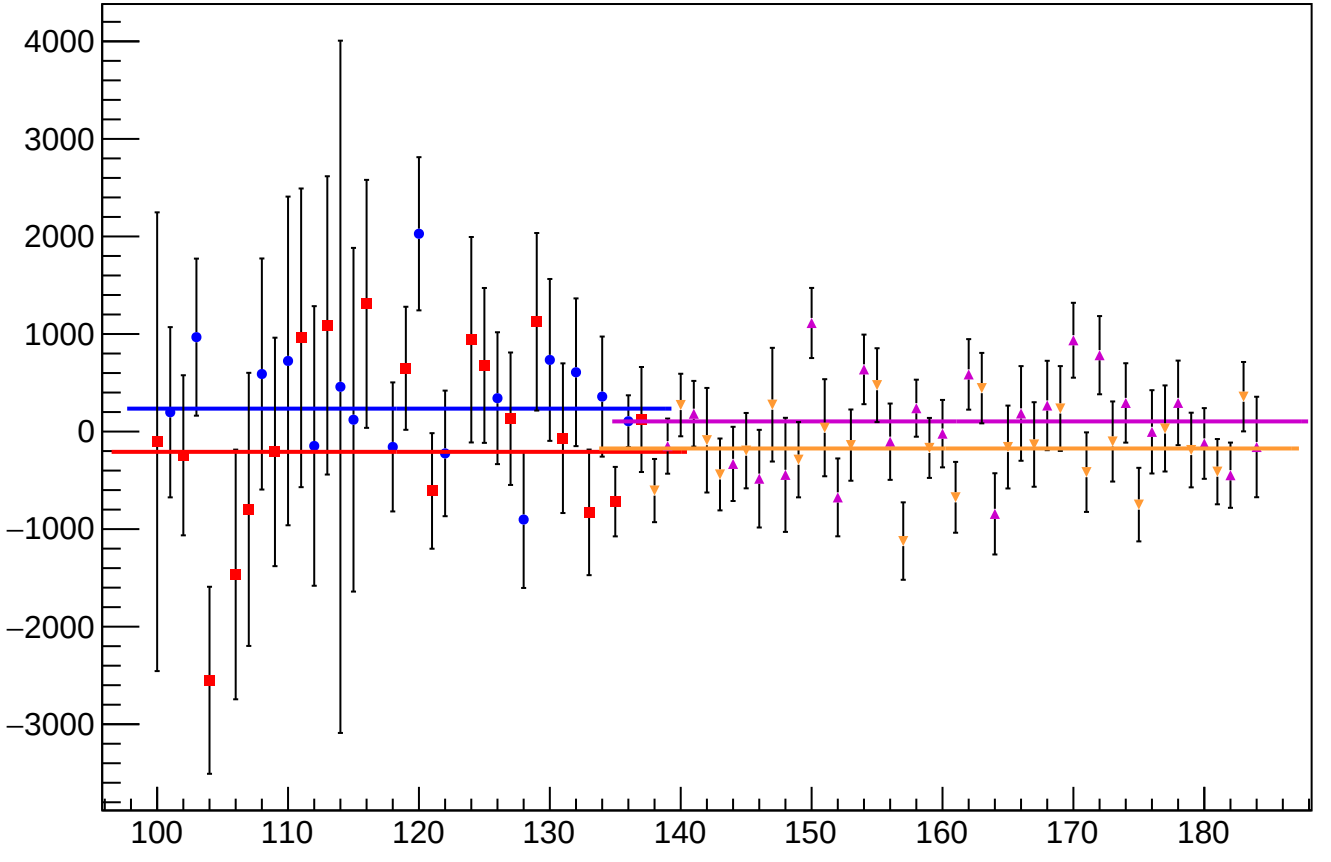
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 356.584+/-0.051 χ^2/NDF: 3238552.1/39

All: 356.817+/-0.036 χ^2/NDF: 6949990.8/81

- sign 357.057+/-0.052 χ^2/NDF: 3711396.1/41

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

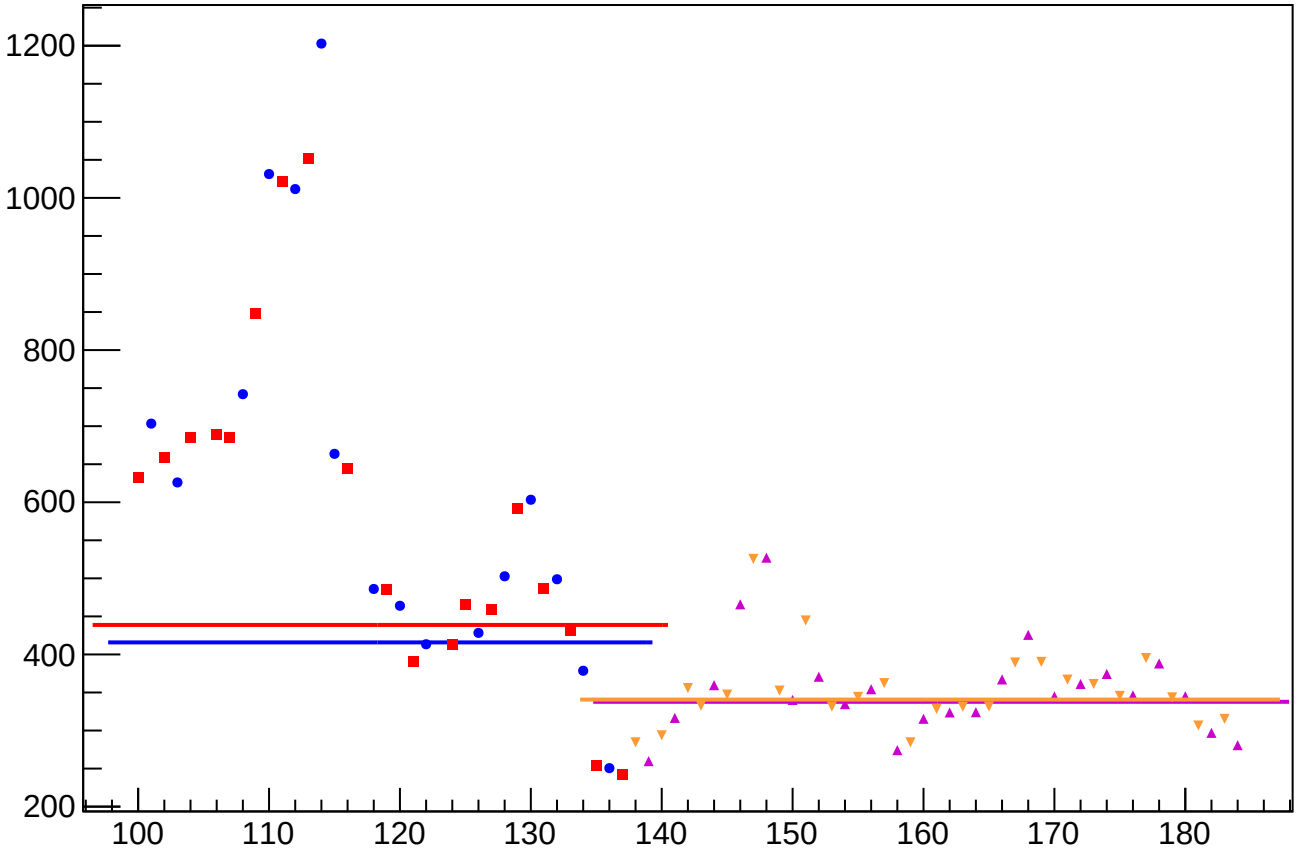
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -99.946+/-71.346 χ^2/NDF: 40.7/39

All: -26.441+/-50.933 χ^2/NDF: 103.4/81

- sign 49.953+/-72.734 χ^2/NDF: 60.5/41

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

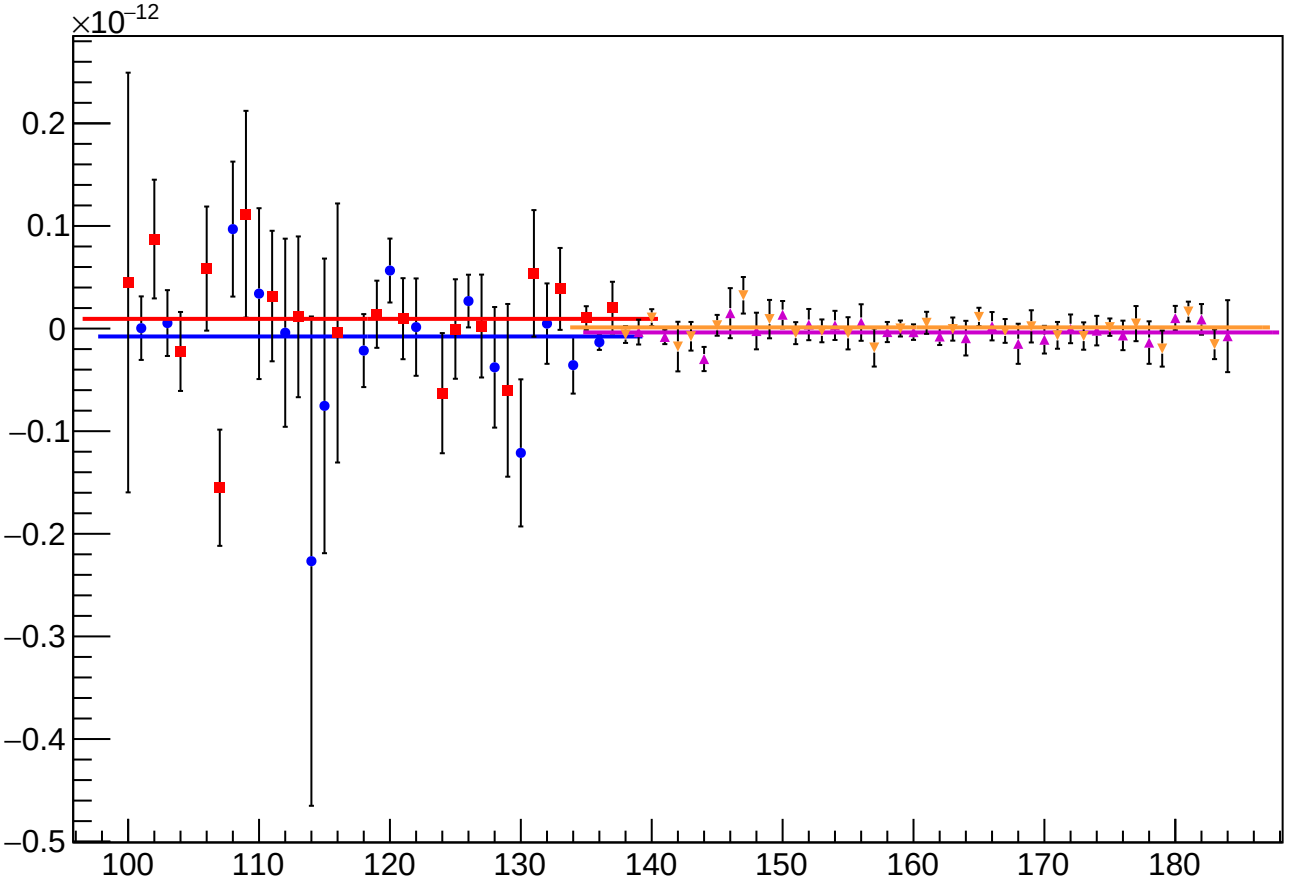
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 354.208+/-0.050 χ^2/NDF: 3153730.2/39

All: 354.726+/-0.036 χ^2/NDF: 6762080.0/81

- sign 355.265+/-0.051 χ^2/NDF: 3608134.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/23

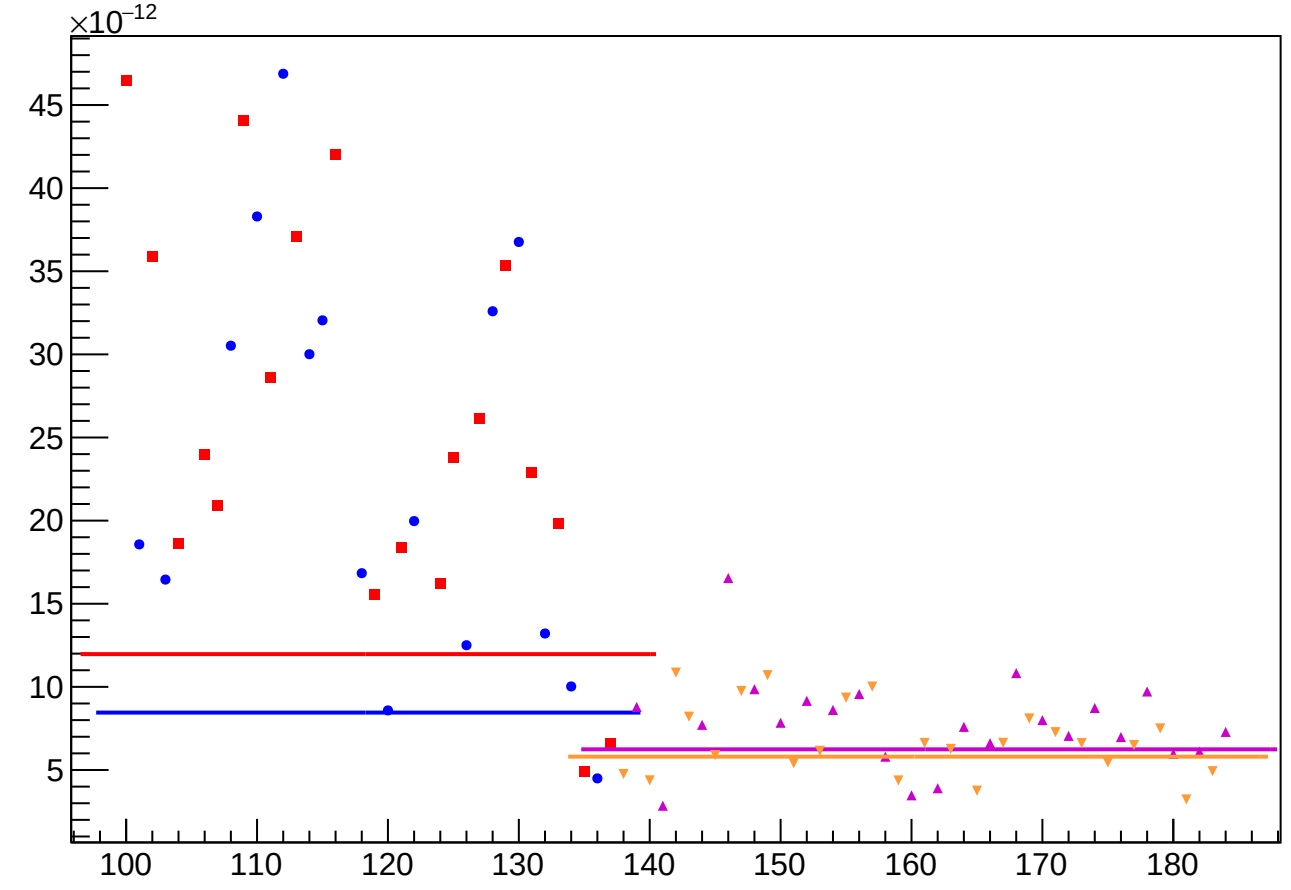
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/39

All: -0.000+/-0.000 χ^2/NDF: 63.3/81

- sign -0.000+/-0.000 χ^2/NDF: 30.6/41



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

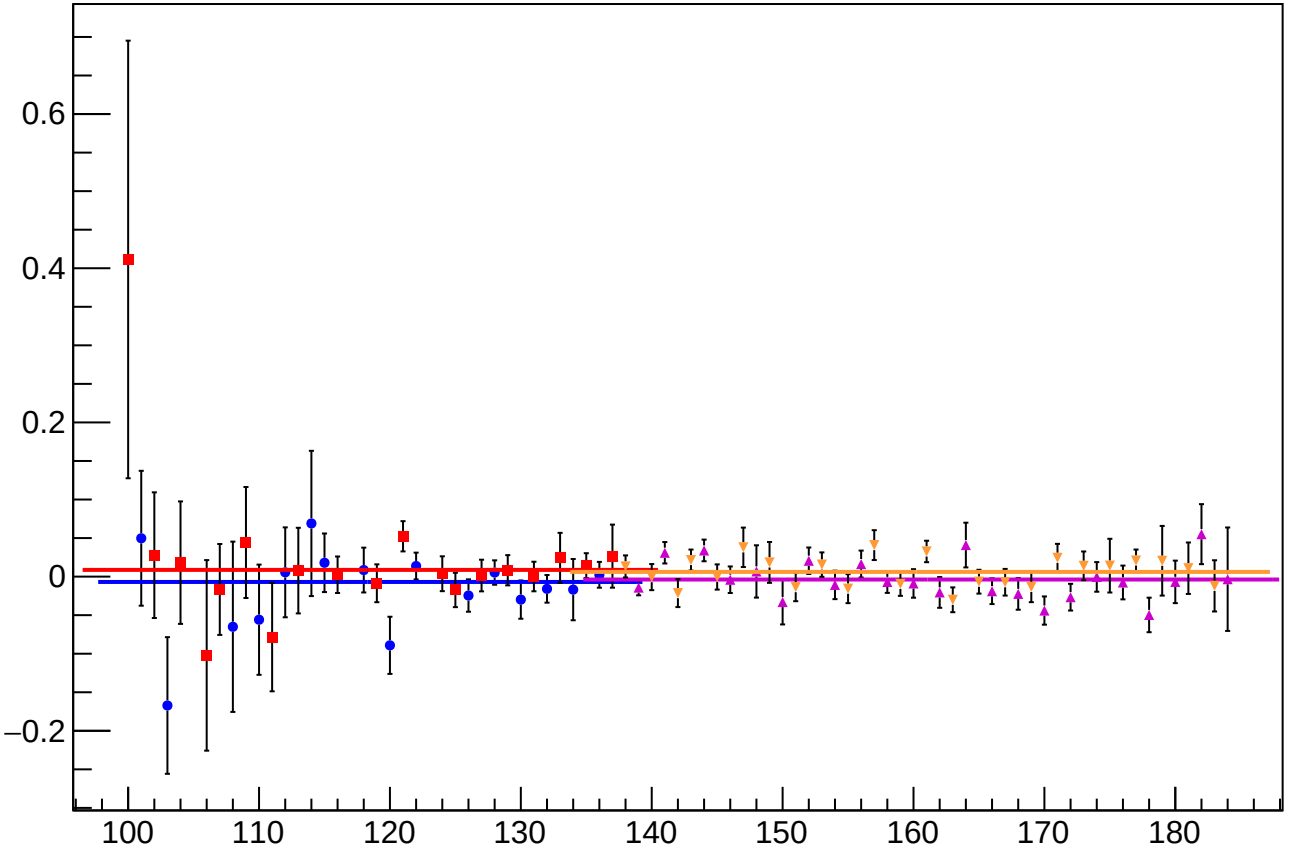
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 4211309.1/39

All: 0.000+/-0.000 χ^2/NDF: 9910651.9/81

- sign 0.000+/-0.000 χ^2/NDF: 5625613.4/41

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

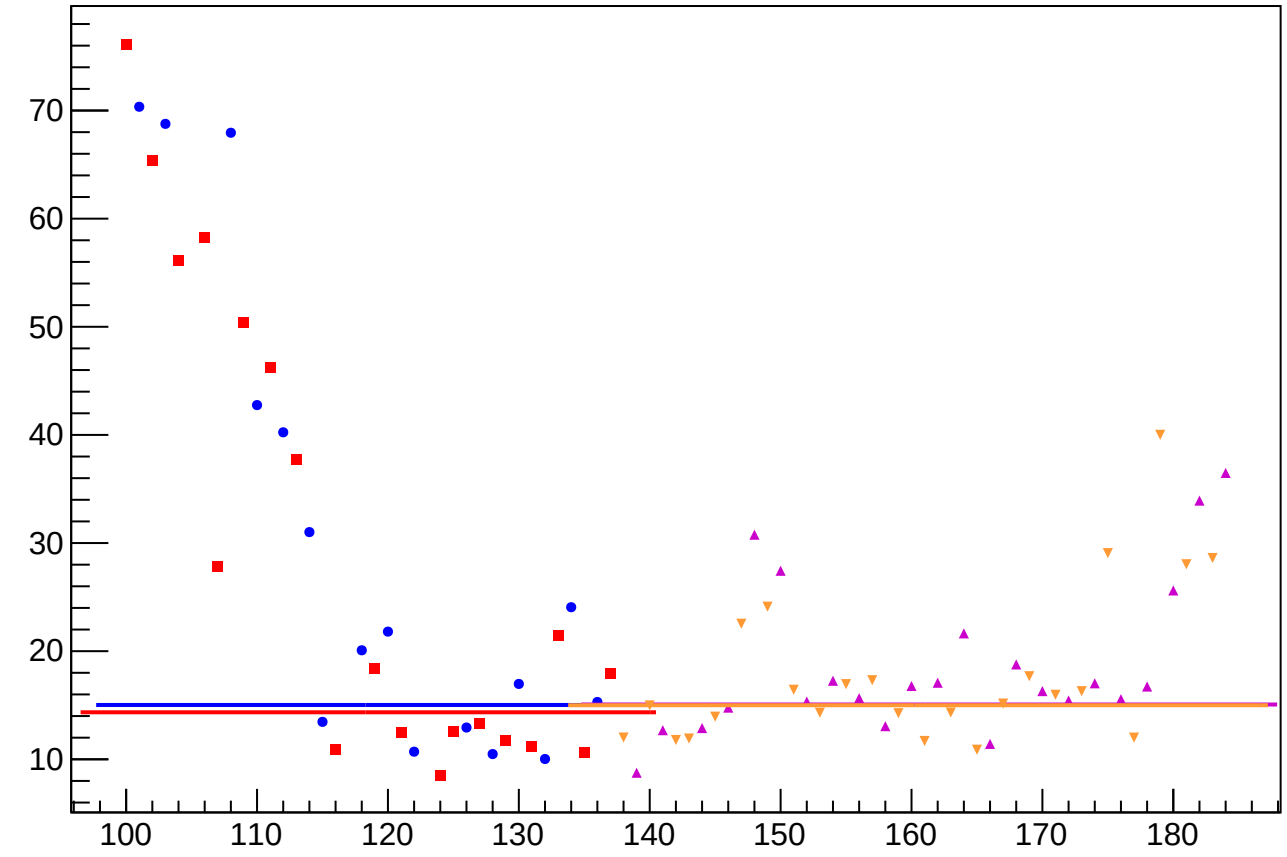
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/39

All: 0.001+/-0.002 χ^2/NDF: 97.7/81

- sign -0.000+/-0.003 χ^2/NDF: 52.6/41



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

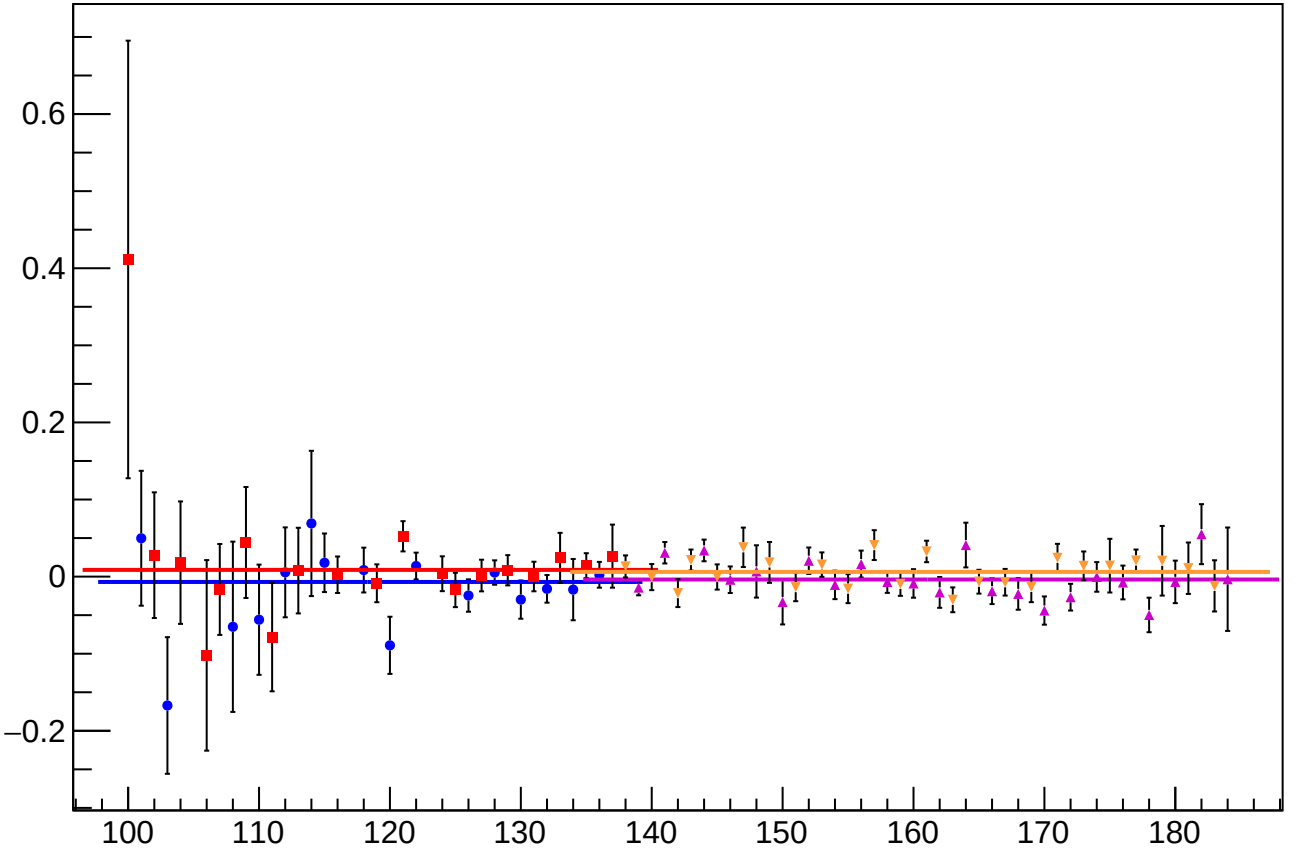
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.006+/-0.002 χ^2/NDF: 6159473.3/39

All: 14.943+/-0.002 χ^2/NDF: 12875308.9/81

- sign 14.877+/-0.002 χ^2/NDF: 6714261.9/41

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

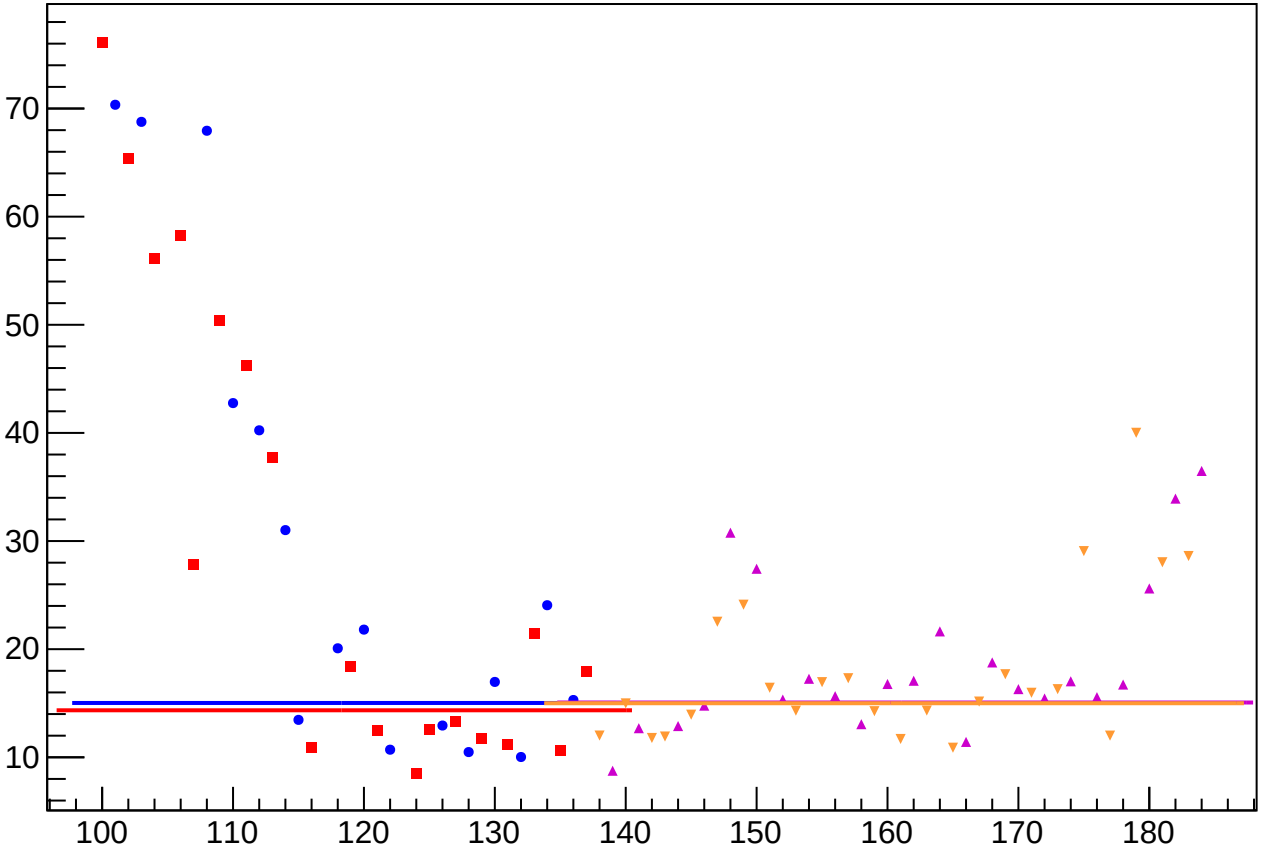
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/39

All: 0.001+/-0.002 χ^2/NDF: 97.7/81

- sign -0.000+/-0.003 χ^2/NDF: 52.6/41

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

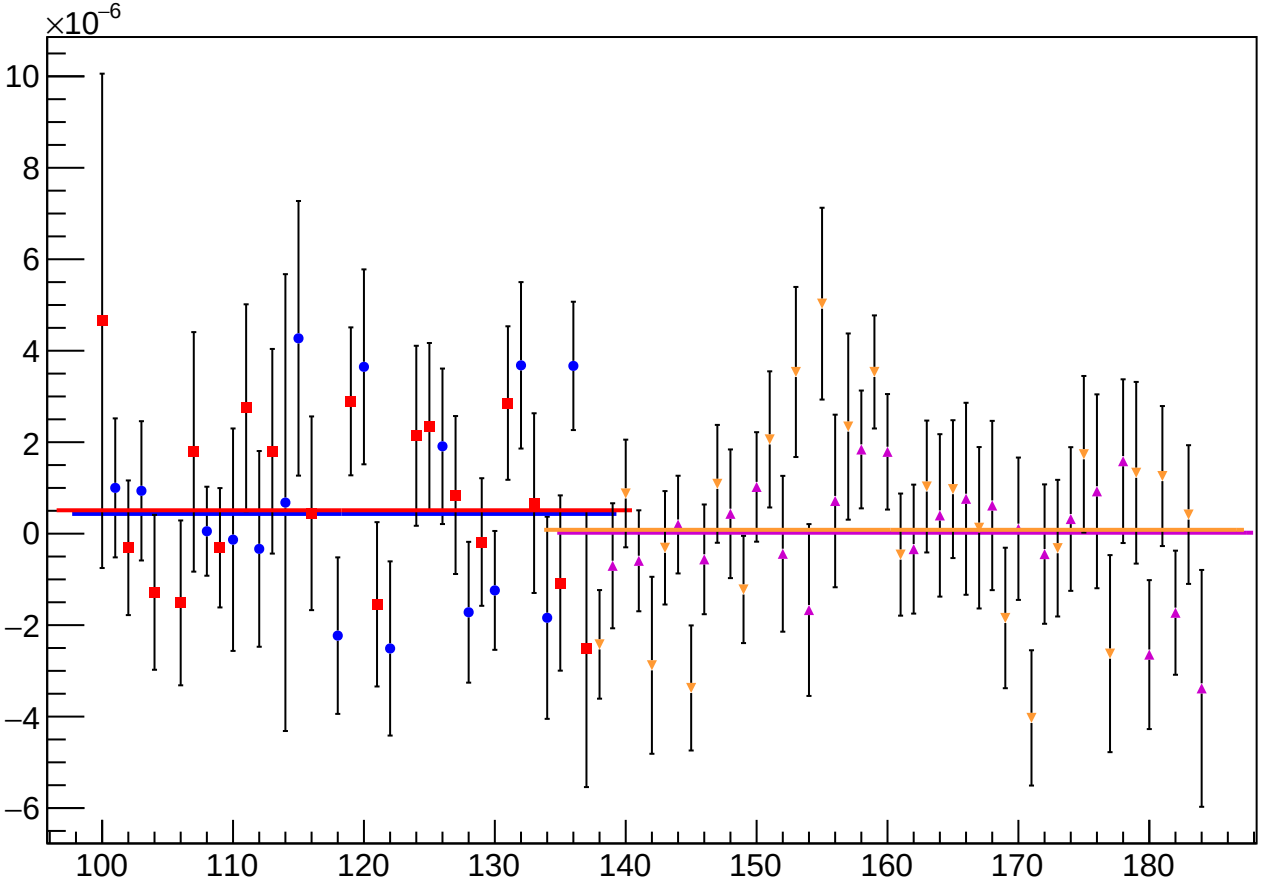
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.006+/-0.002 χ^2/NDF: 6159473.3/39

All: 14.943+/-0.002 χ^2/NDF: 12875308.9/81

- sign 14.877+/-0.002 χ^2/NDF: 6714261.9/41

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.3/23

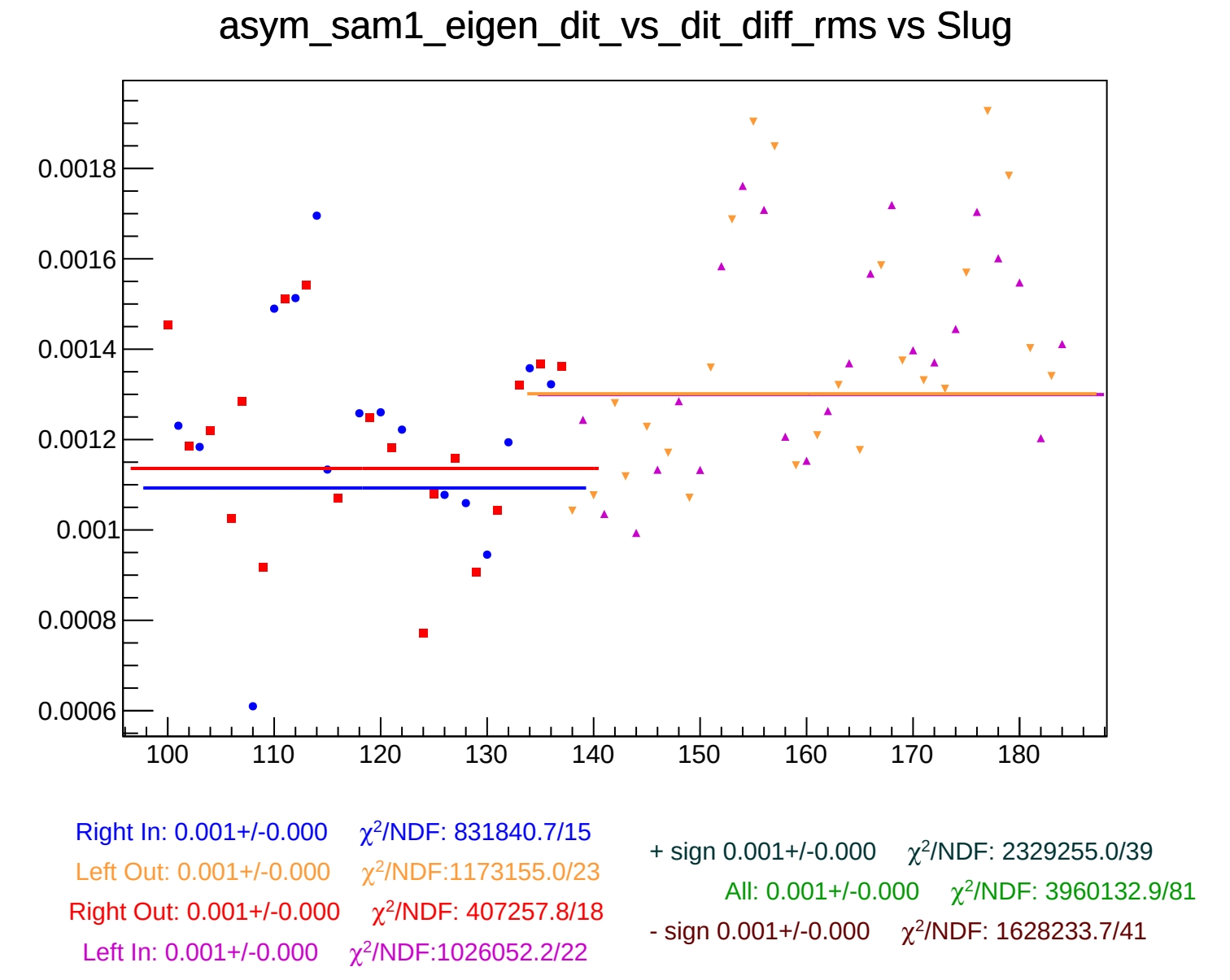
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

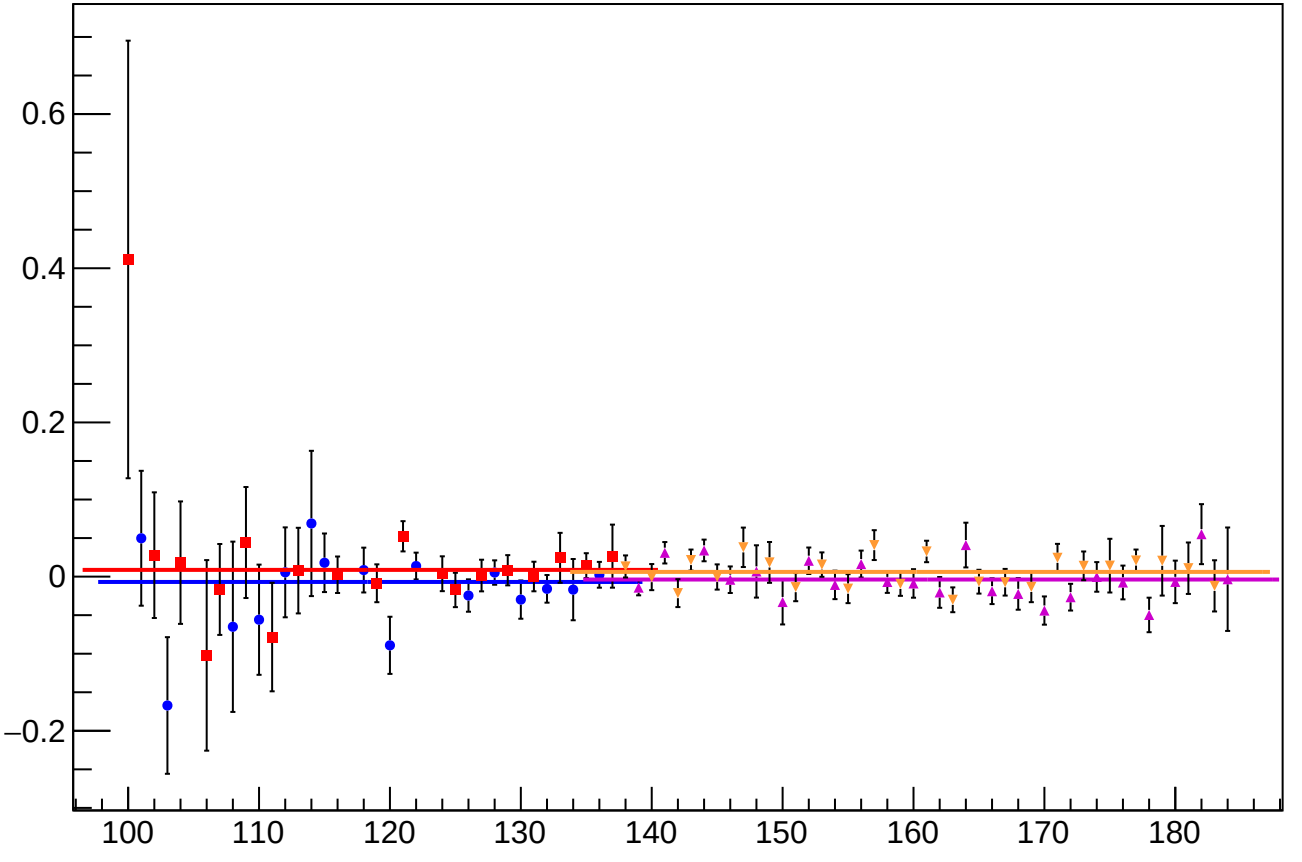
+ sign 0.000+/-0.000 χ^2/NDF: 72.9/39

All: 0.000+/-0.000 χ^2/NDF: 102.2/81

- sign 0.000+/-0.000 χ^2/NDF: 29.3/41


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:1026052.2/22
+ sign 0.001+/-0.000 χ²/NDF: 2329255.0/39
All: 0.001+/-0.000 χ²/NDF: 3960132.9/81
- sign 0.001+/-0.000 χ²/NDF: 1628233.7/41

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

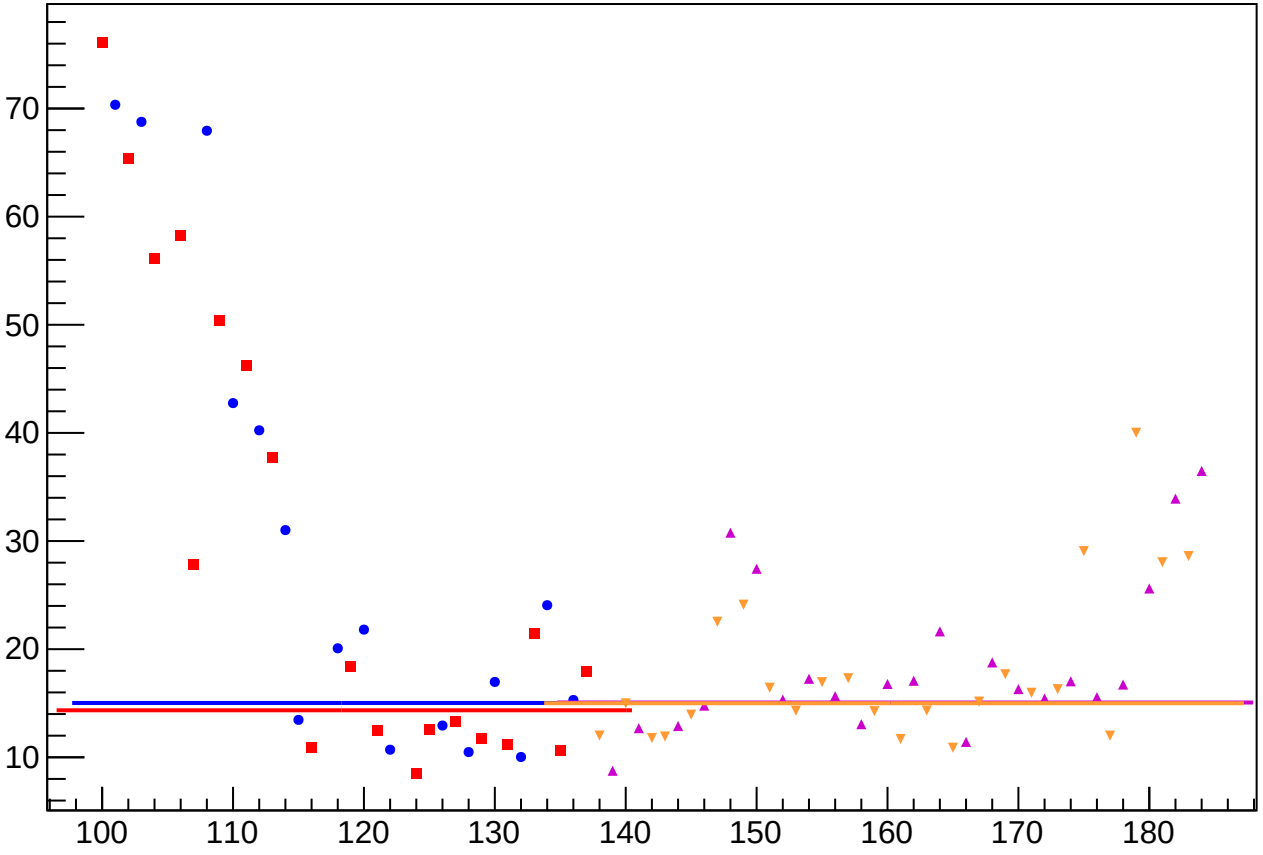
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/39

All: 0.001+/-0.002 χ^2/NDF: 97.7/81

- sign -0.000+/-0.003 χ^2/NDF: 52.6/41

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

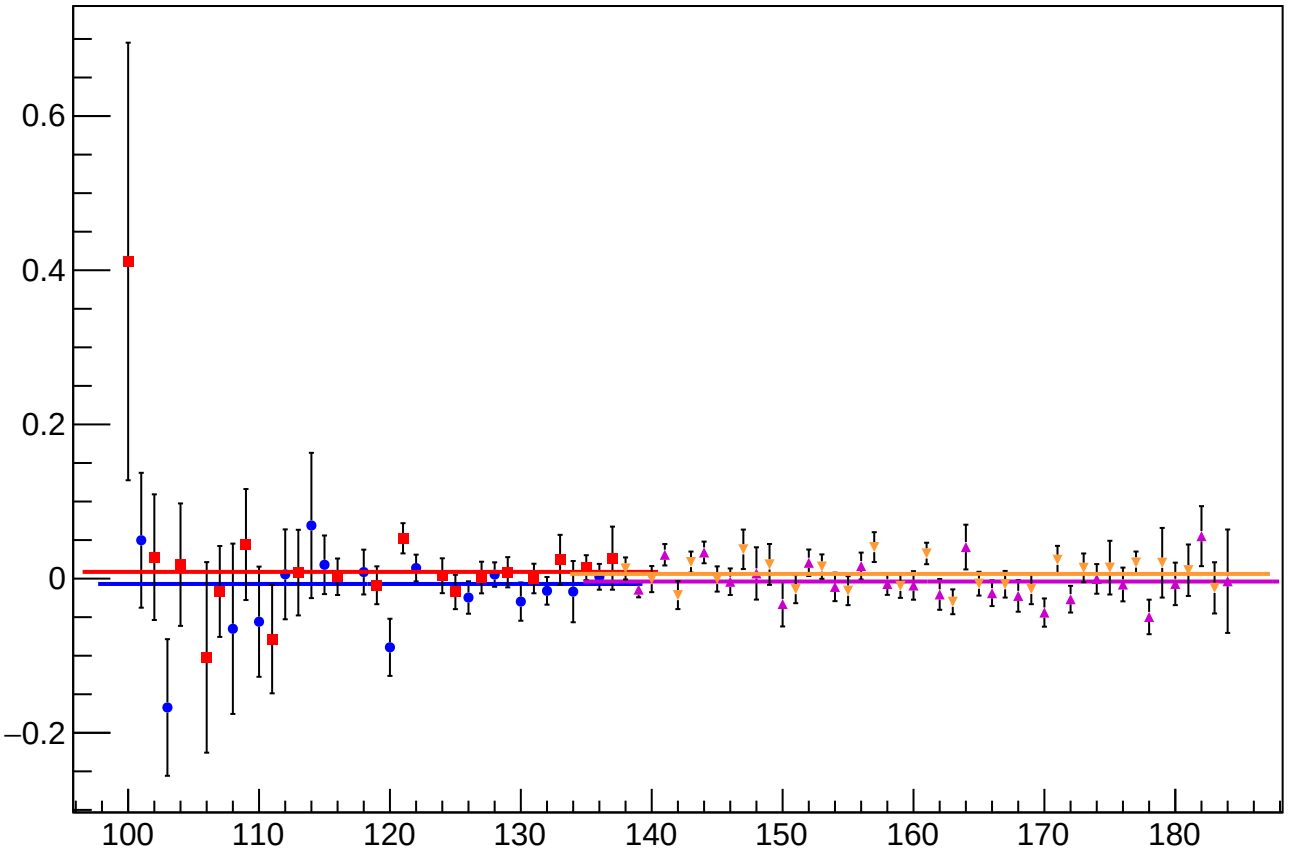
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.006+/-0.002 χ^2/NDF: 6159696.4/39

All: 14.942+/-0.002 χ^2/NDF: 12875560.3/81

- sign 14.877+/-0.002 χ^2/NDF: 6714292.0/41



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

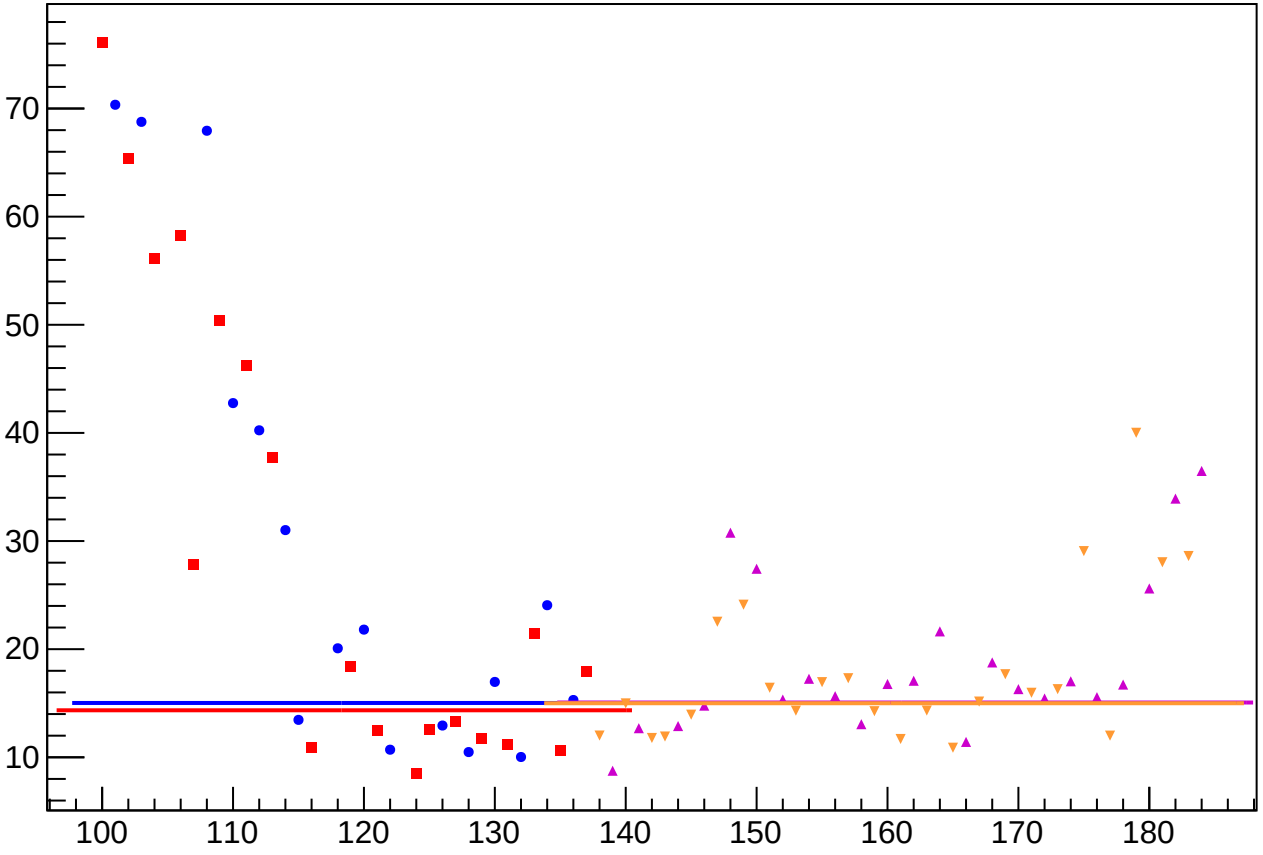
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/39

All: 0.001+/-0.002 χ^2/NDF: 97.7/81

- sign -0.000+/-0.003 χ^2/NDF: 52.6/41

asym_sam1_eigen_dit_vs_eigen_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

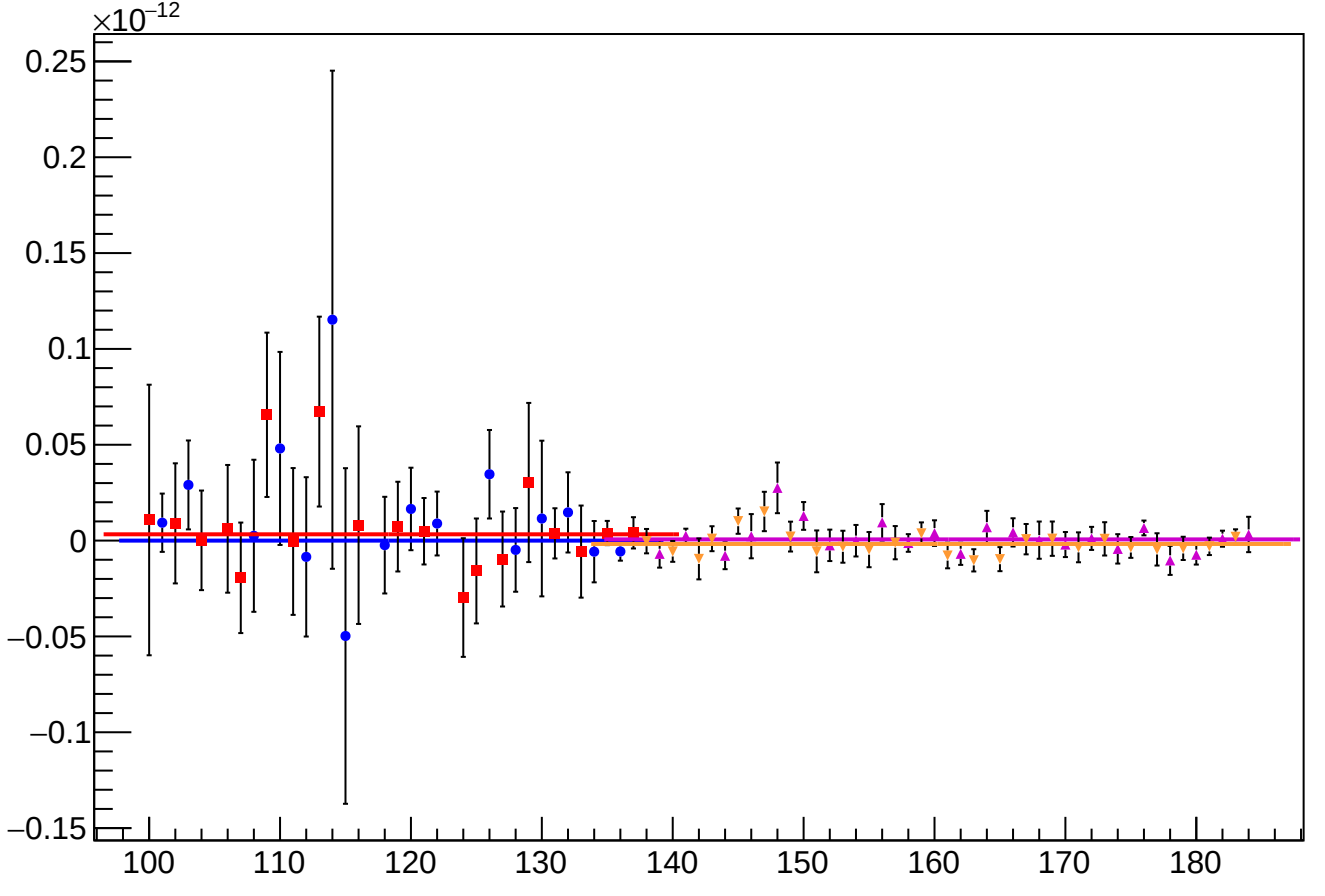
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

\+ sign 15.006+/-0.002 χ^2/NDF: 6159696.4/39

All: 14.942+/-0.002 χ^2/NDF: 12875560.3/81

\- sign 14.877+/-0.002 χ^2/NDF: 6714292.0/41



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

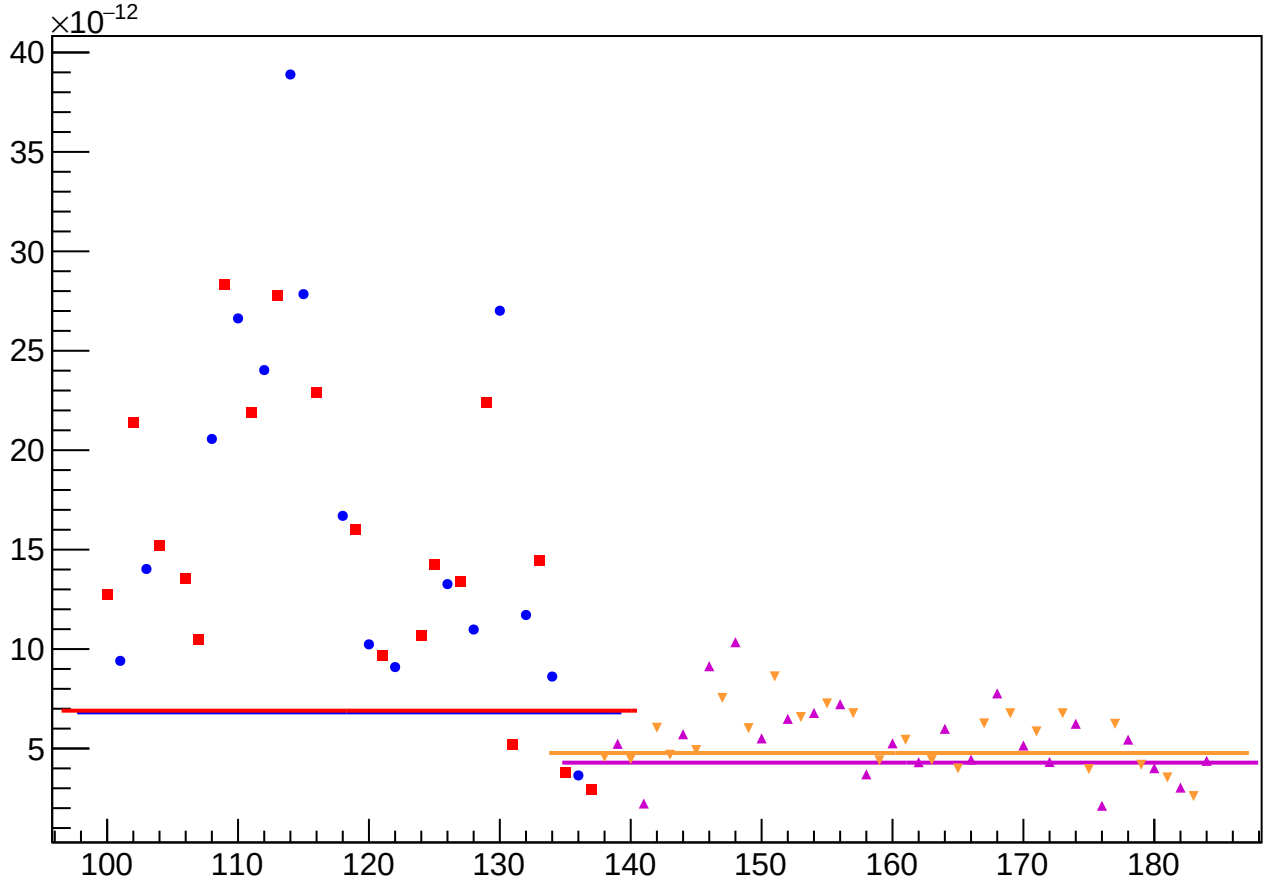
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/39

All: -0.000+/-0.000 χ^2/NDF: 55.1/81

- sign 0.000+/-0.000 χ^2/NDF: 28.8/41

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2097515.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

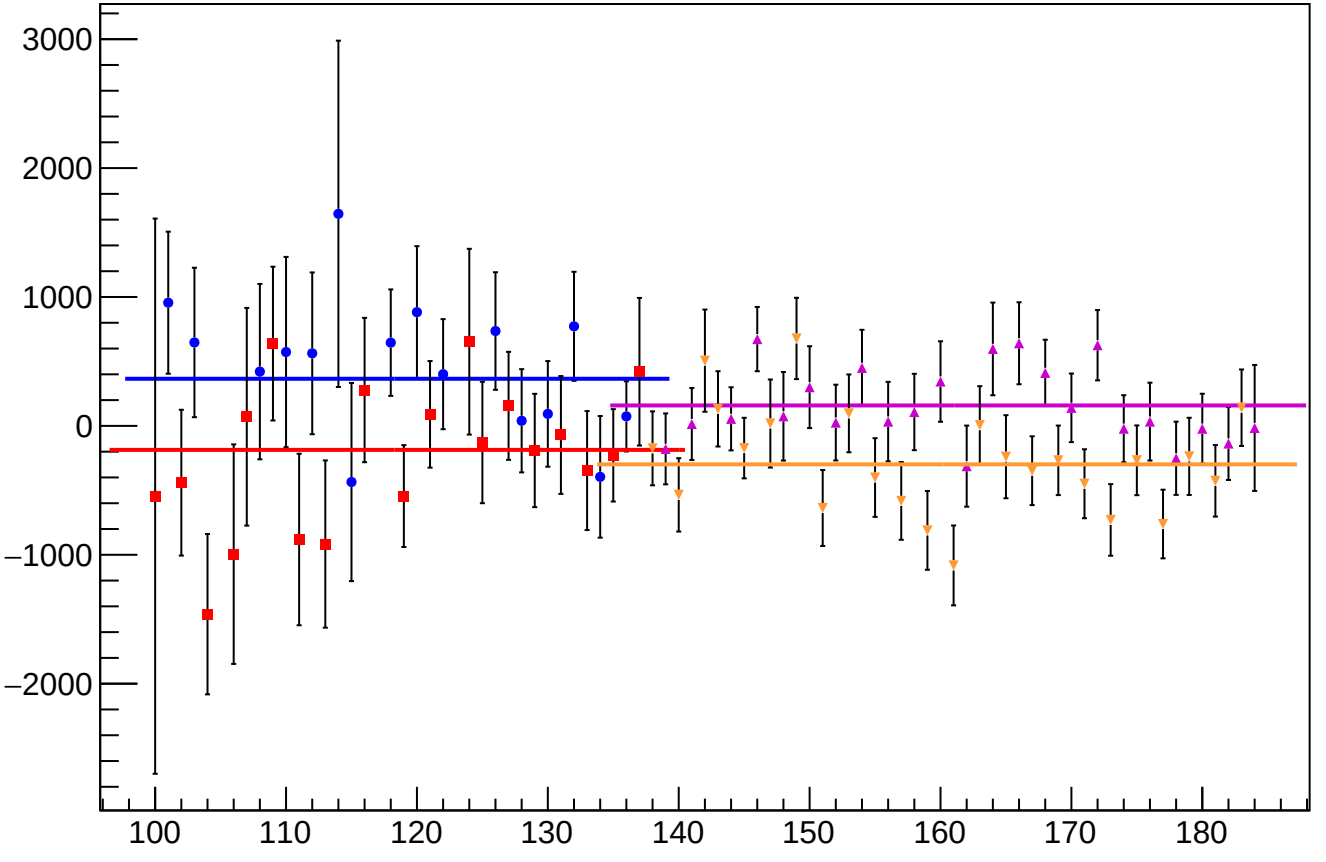
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6124349.7/39

All: 0.000+/-0.000 χ^2/NDF: 14816327.8/81

- sign 0.000+/-0.000 χ^2/NDF: 8558242.5/41

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

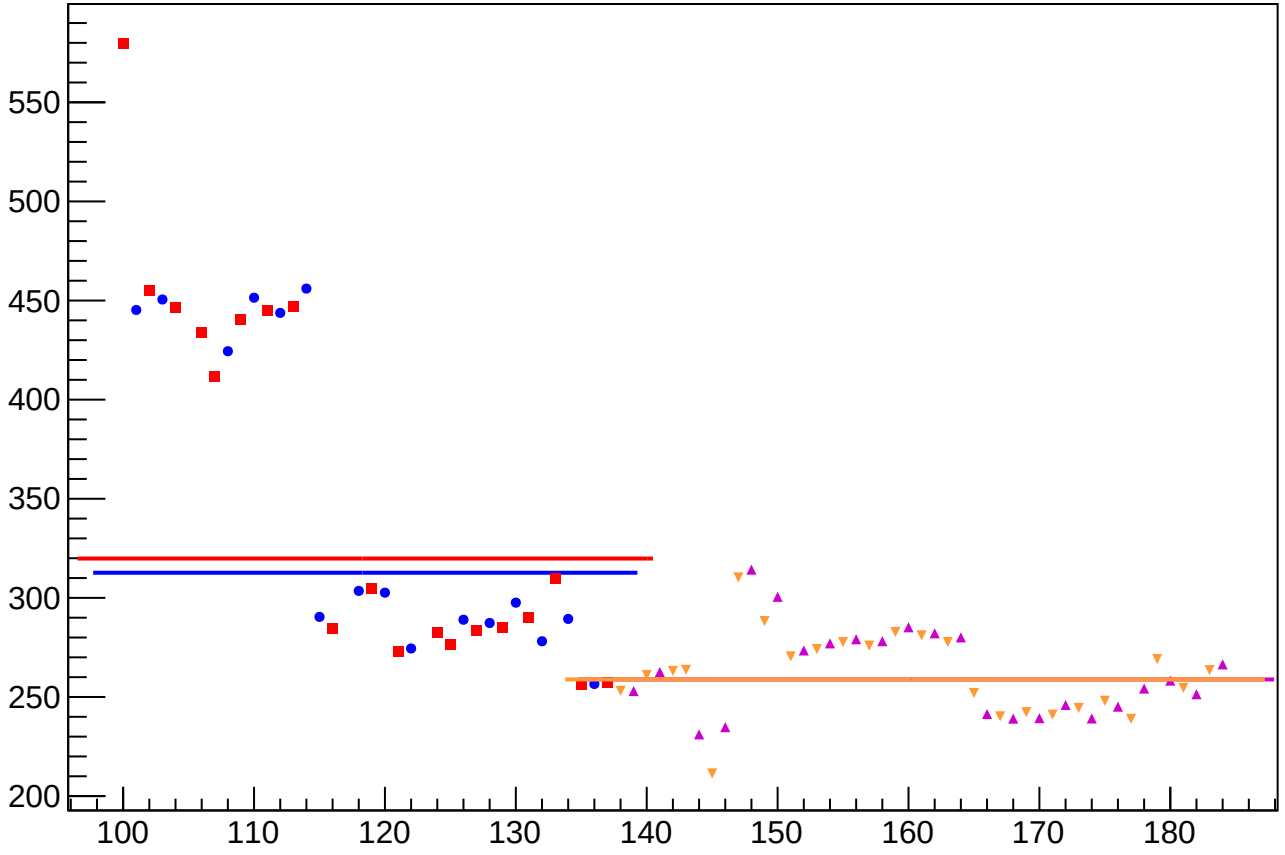
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

\+ sign -165.682+/-53.153 χ^2/NDF: 76.9/39

All: -41.028+/-37.945 χ^2/NDF: 132.2/81

\- sign 88.525+/-54.187 χ^2/NDF: 44.1/41

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

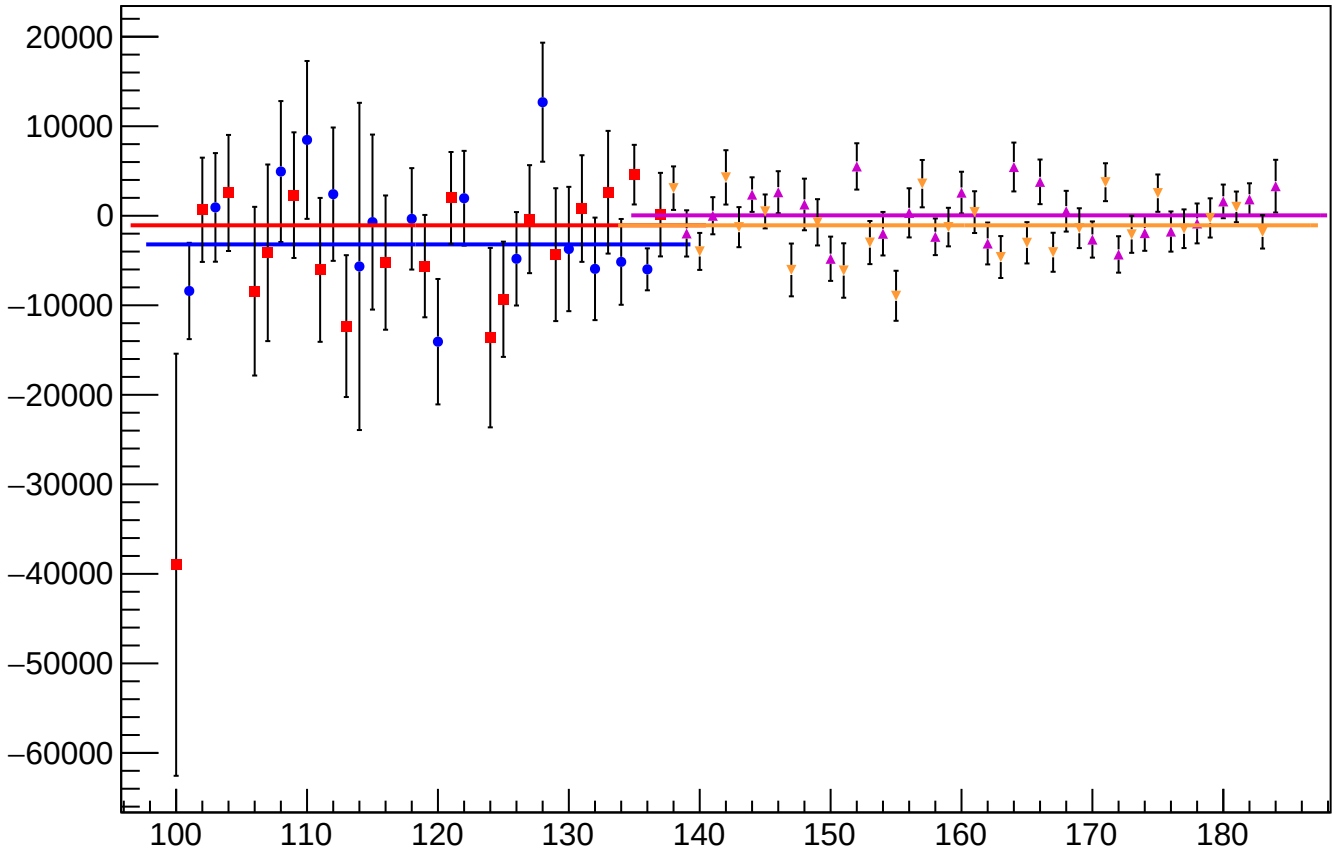
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.620+/-0.038 χ^2/NDF: 1178880.3/39

All: 270.415+/-0.027 χ^2/NDF: 2533062.6/81

- sign 271.242+/-0.038 χ^2/NDF: 1353268.5/41



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

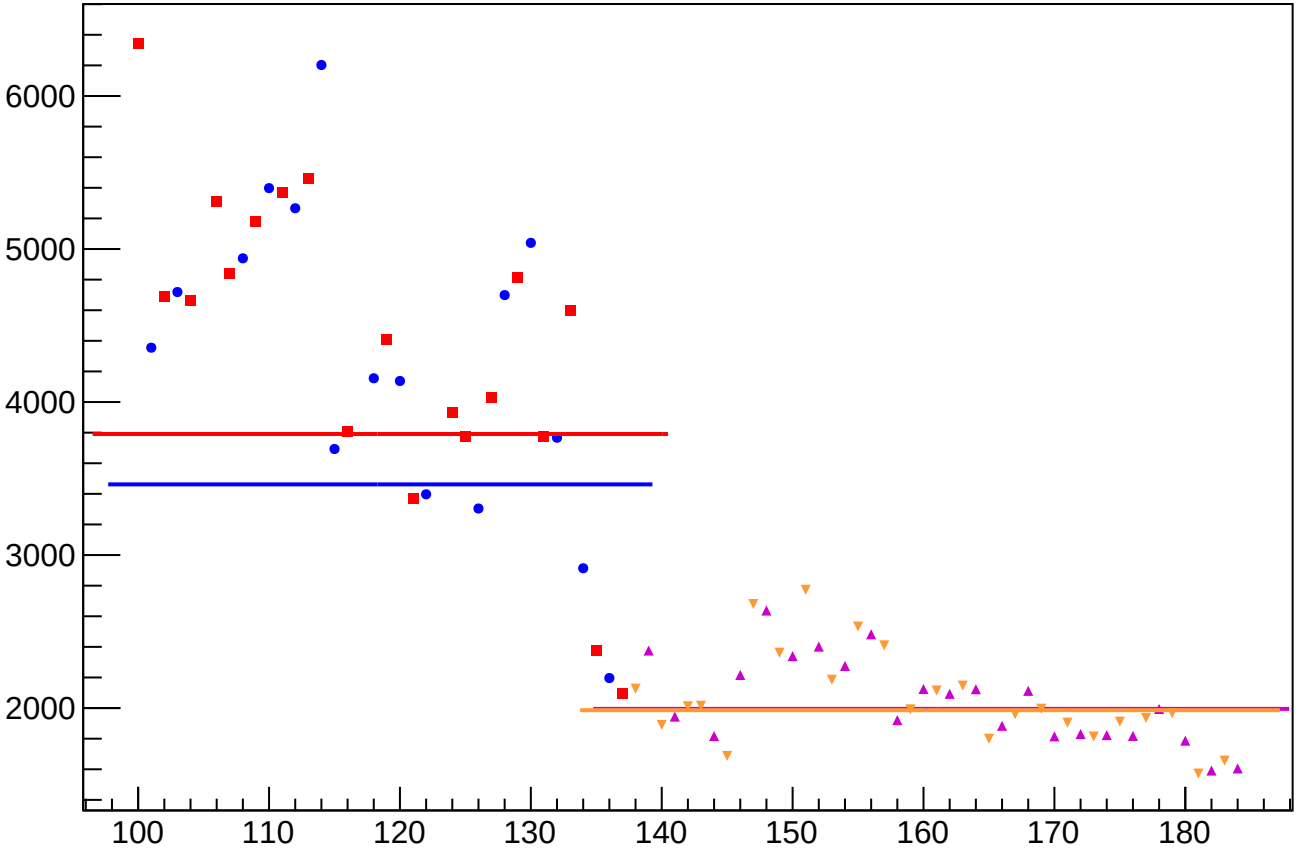
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1286.365+/-435.487 χ^2/NDF: 59.8/39

All: -691.028+/-312.098 χ^2/NDF: 112.8/81

- sign -62.382+/-447.504 χ^2/NDF: 49.1/41

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

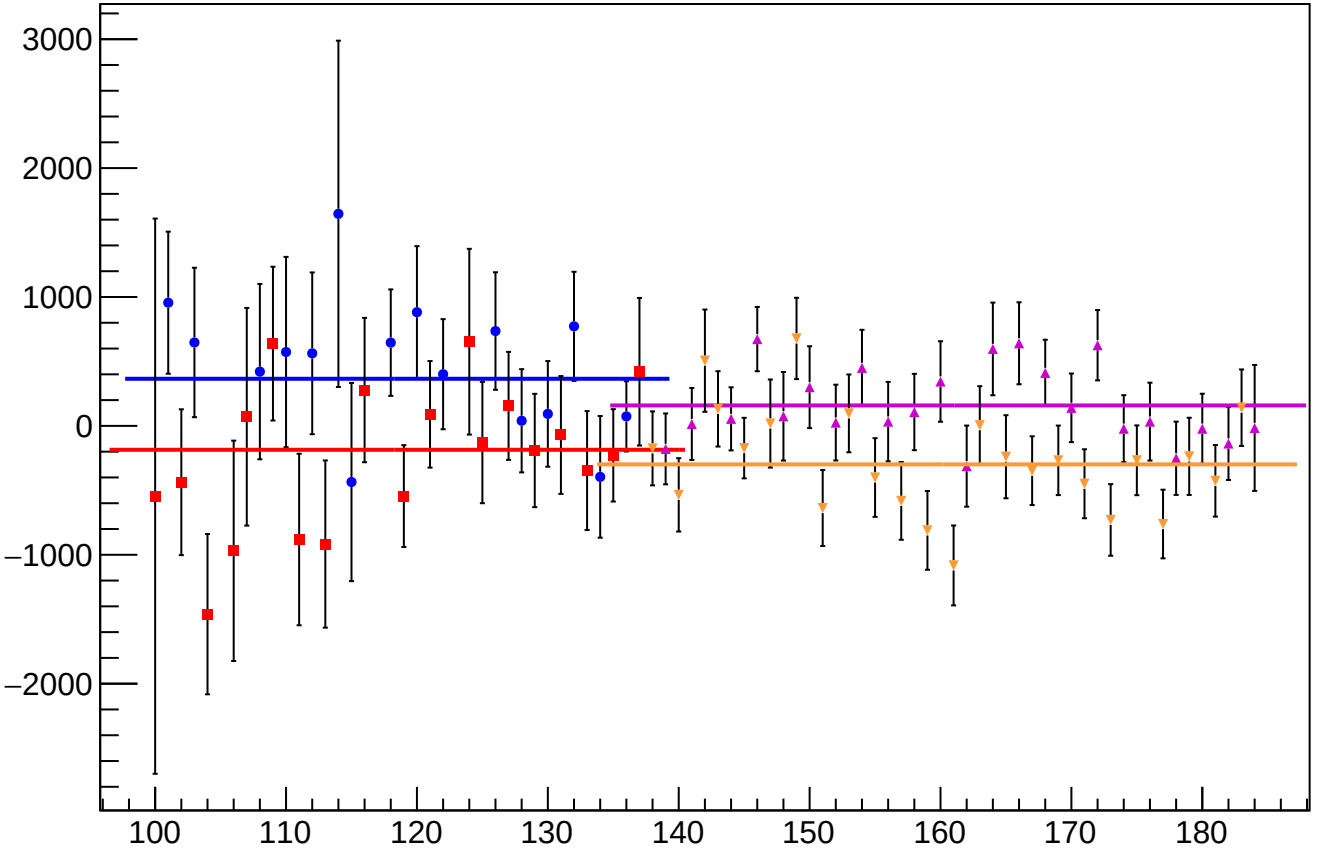
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2139.035+/-0.308 χ^2/NDF: 4158351.3/39

All: 2152.858+/-0.221 χ^2/NDF: 8718743.9/81

- sign 2167.455+/-0.316 χ^2/NDF: 4556249.6/41

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

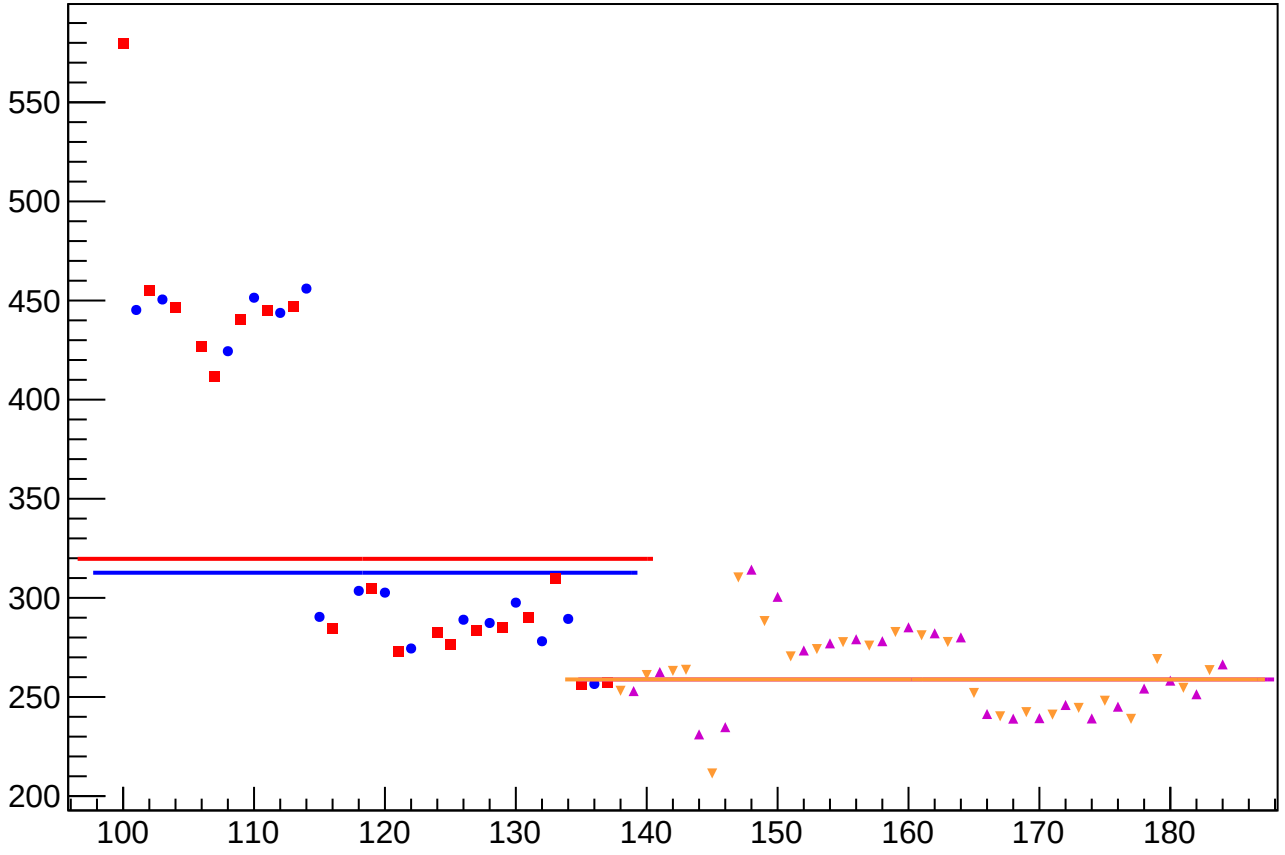
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -165.685+/-53.153 χ^2/NDF: 76.9/39

All: -40.942+/-37.946 χ^2/NDF: 132.1/81

- sign 88.709+/-54.188 χ^2/NDF: 44.0/41

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

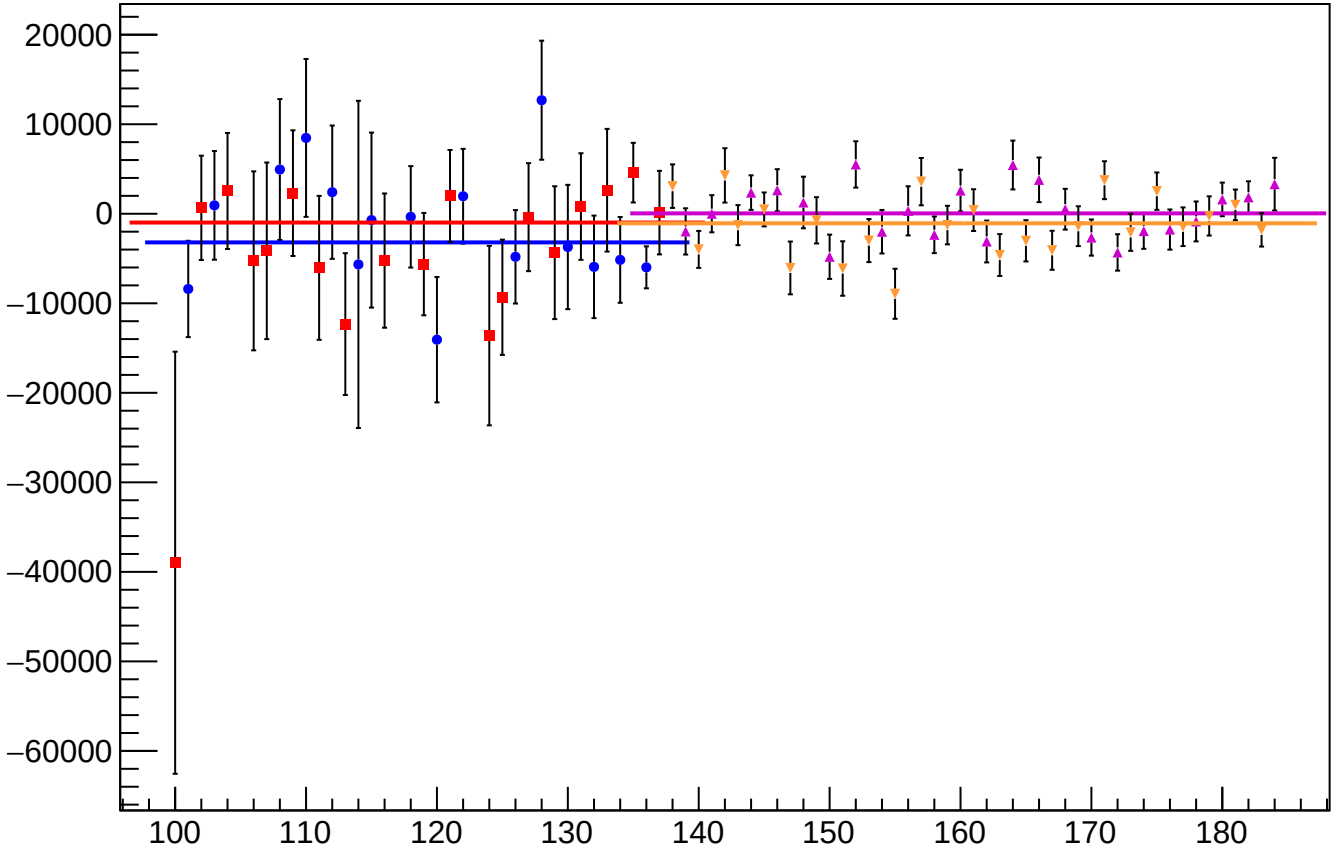
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.620+/-0.038 χ^2/NDF: 1178881.9/39

All: 270.400+/-0.027 χ^2/NDF: 2526813.1/81

- sign 271.210+/-0.038 χ^2/NDF: 1347053.0/41

asym_sam2_cor_correction_mean vs Slug



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

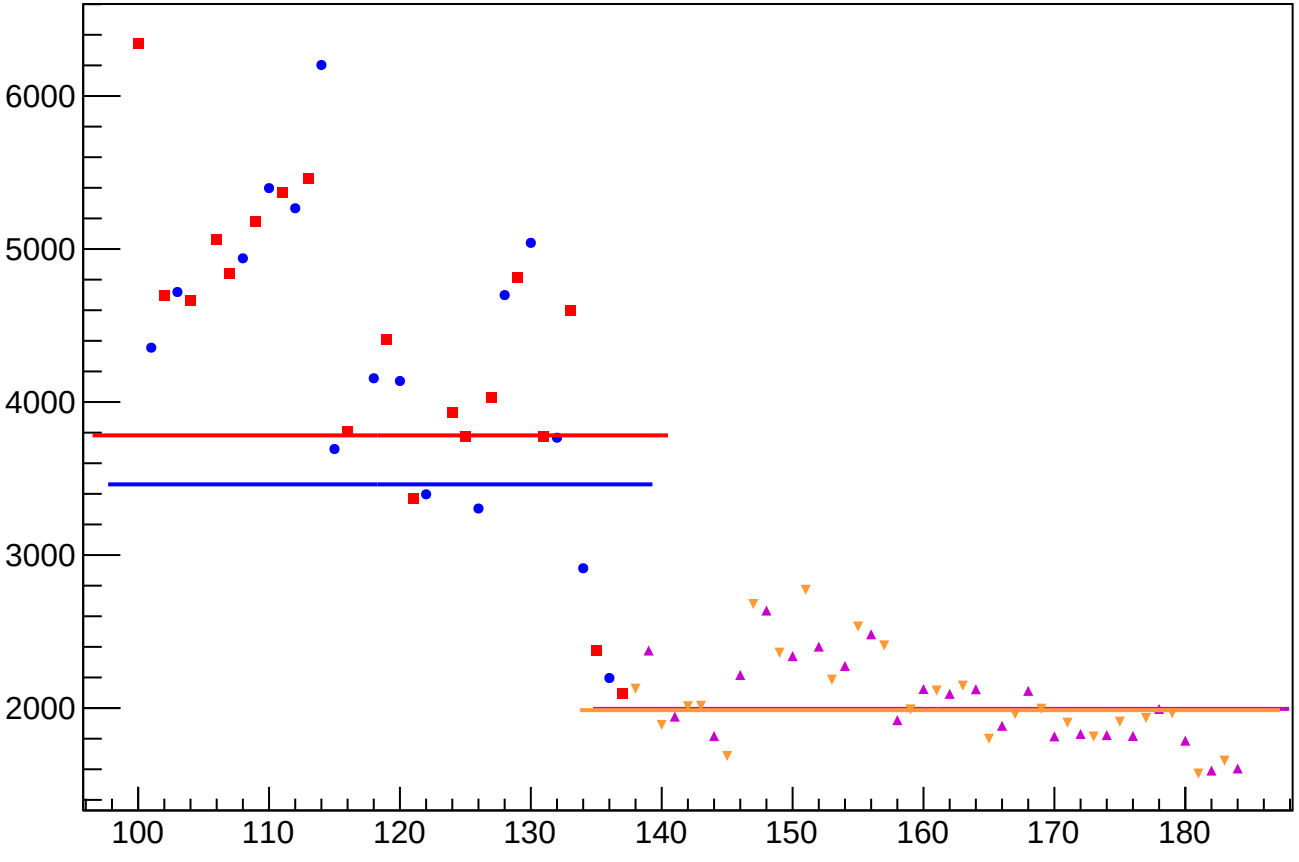
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1286.356+/-435.487 χ^2/NDF: 59.8/39

All: -687.014+/-312.117 χ^2/NDF: 112.3/81

- sign -53.975+/-447.562 χ^2/NDF: 48.6/41

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

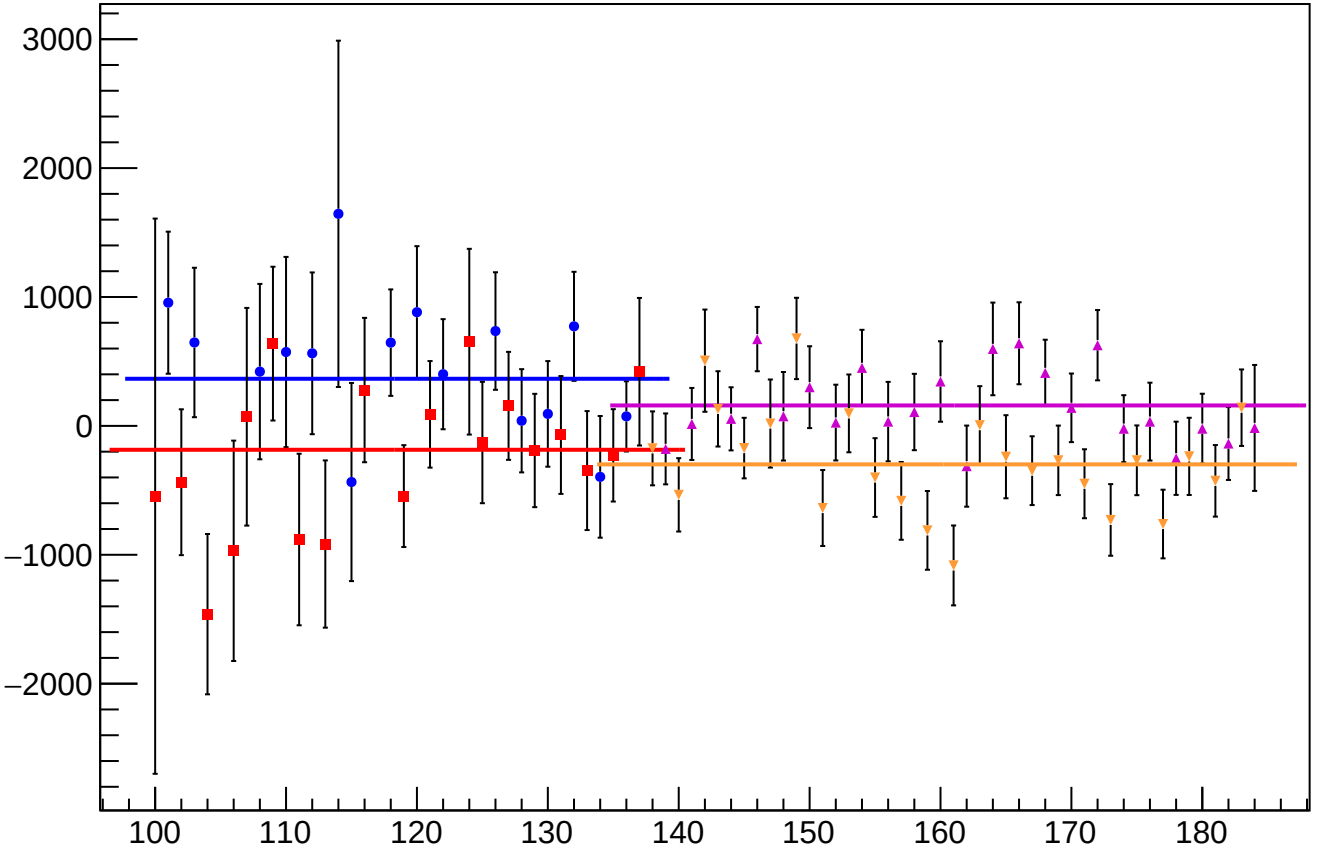
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2139.035+/-0.308 χ^2/NDF: 4158372.0/39

All: 2152.232+/-0.221 χ^2/NDF: 8664178.5/81

- sign 2166.171+/-0.316 χ^2/NDF: 4502029.9/41

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

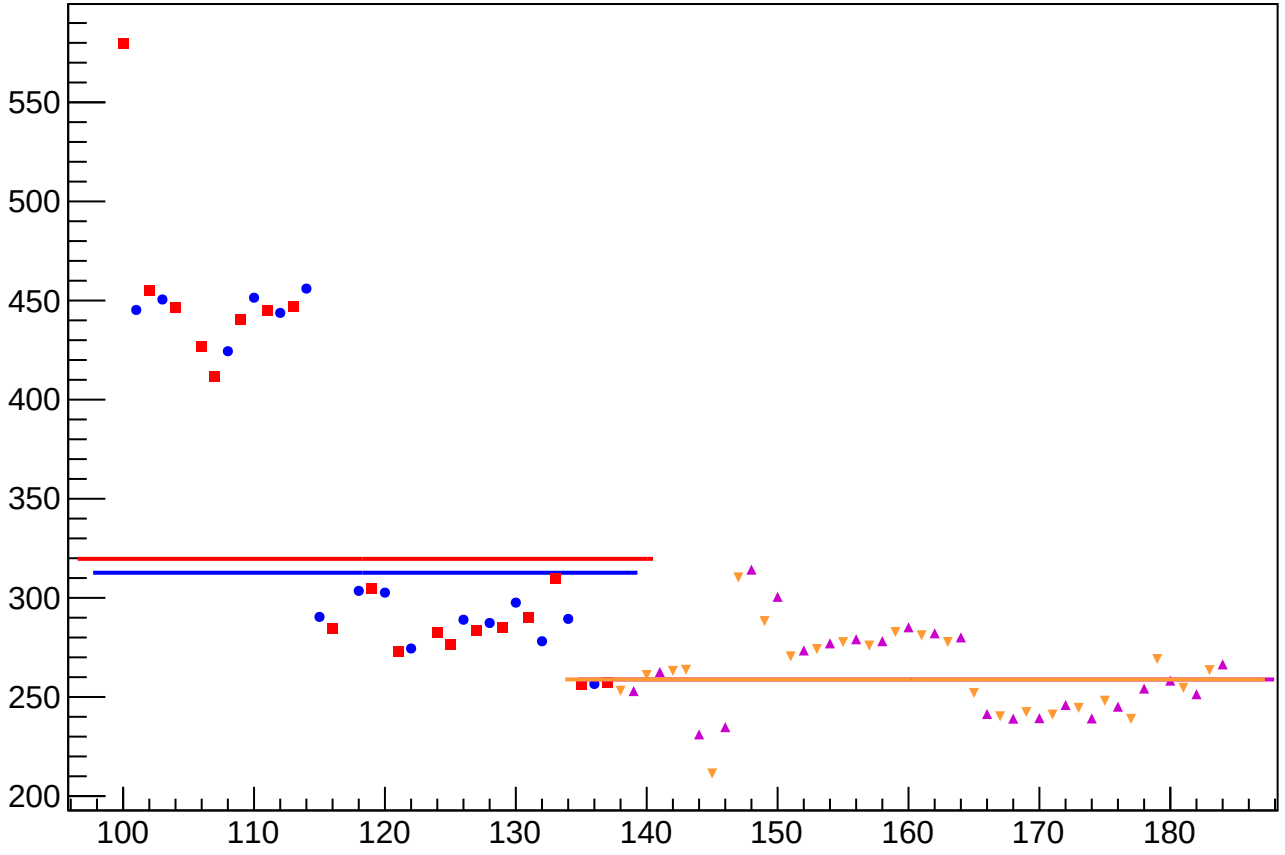
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -165.685+/-53.153 χ^2/NDF: 76.9/39

All: -40.942+/-37.946 χ^2/NDF: 132.1/81

- sign 88.709+/-54.188 χ^2/NDF: 44.0/41

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

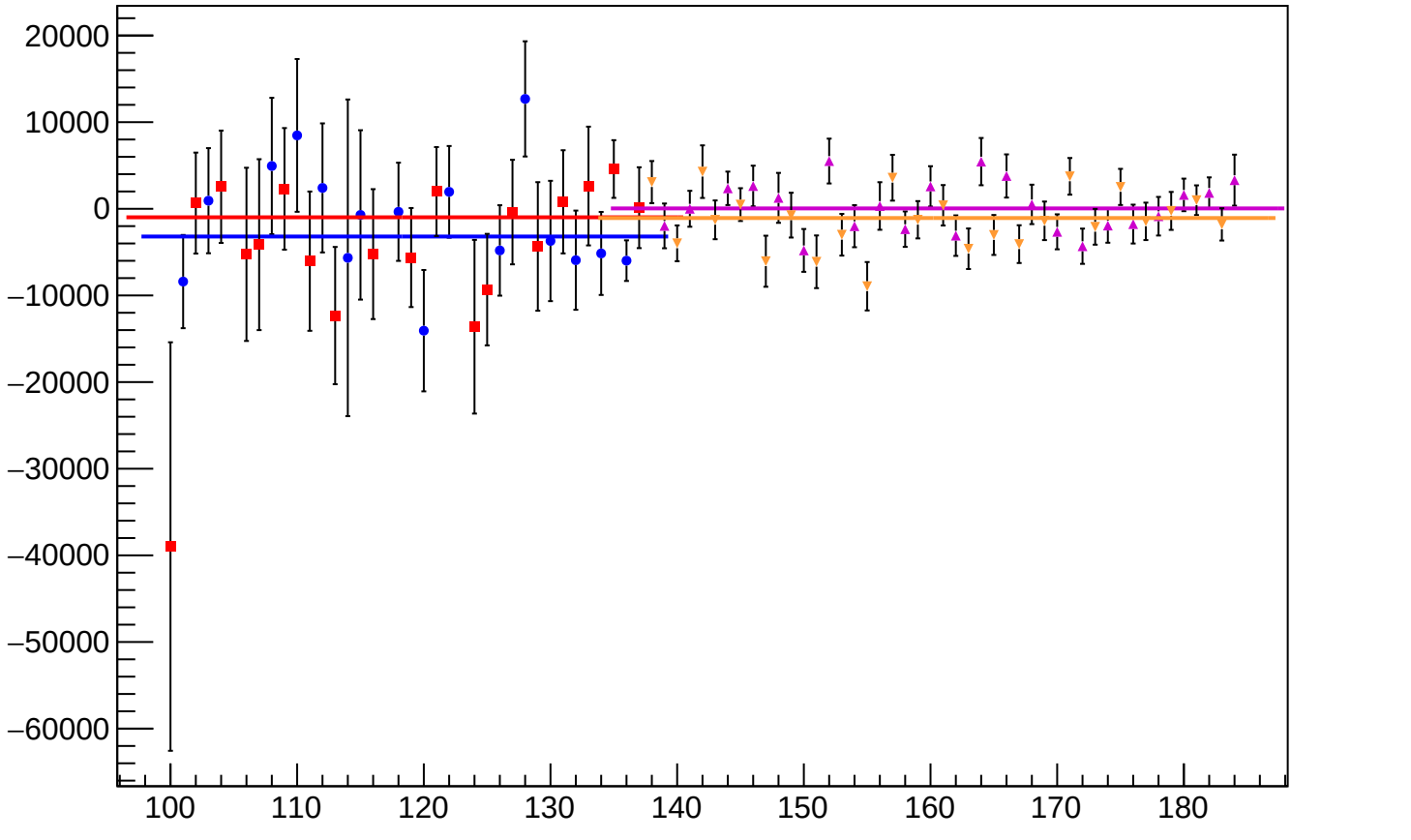
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.620+/-0.038 χ^2/NDF: 1178881.9/39

All: 270.400+/-0.027 χ^2/NDF: 2526813.1/81

- sign 271.210+/-0.038 χ^2/NDF: 1347053.0/41



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

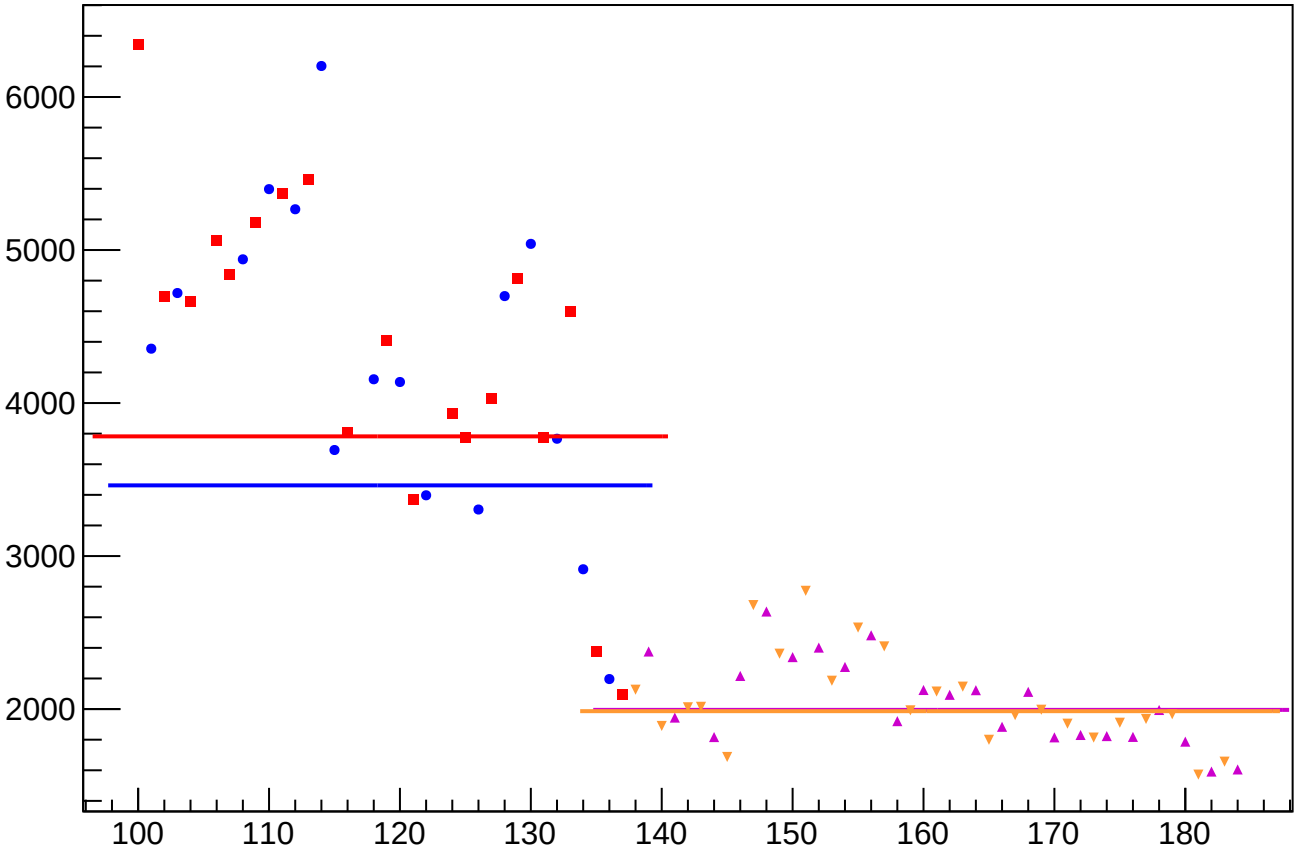
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1286.356+/-435.487 χ^2/NDF: 59.8/39

All: -687.014+/-312.117 χ^2/NDF: 112.3/81

- sign -53.975+/-447.562 χ^2/NDF: 48.6/41

asym_sam2_eigen_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

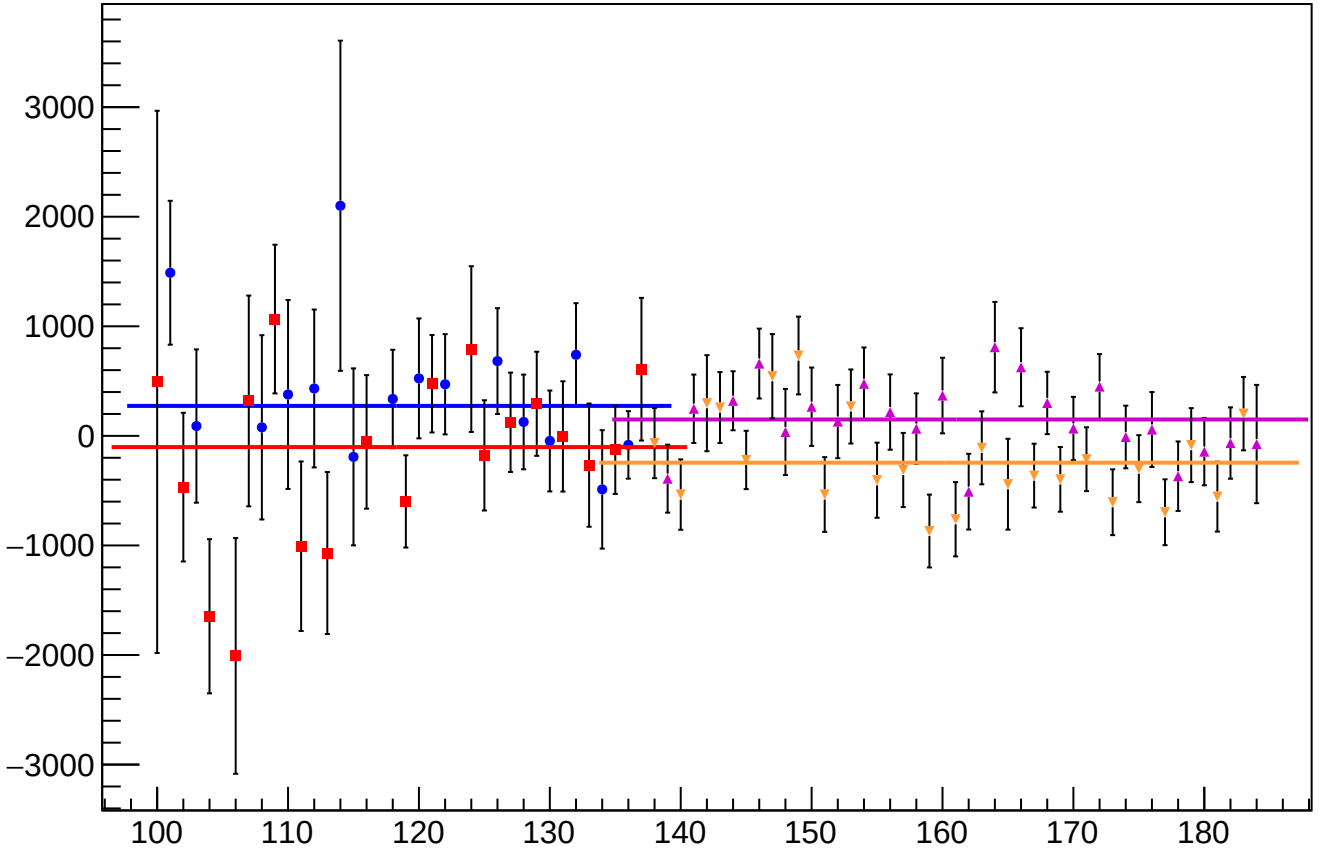
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2139.035+/-0.308 χ^2/NDF: 4158372.0/39

All: 2152.232+/-0.221 χ^2/NDF: 8664178.5/81

- sign 2166.171+/-0.316 χ^2/NDF: 4502029.9/41

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

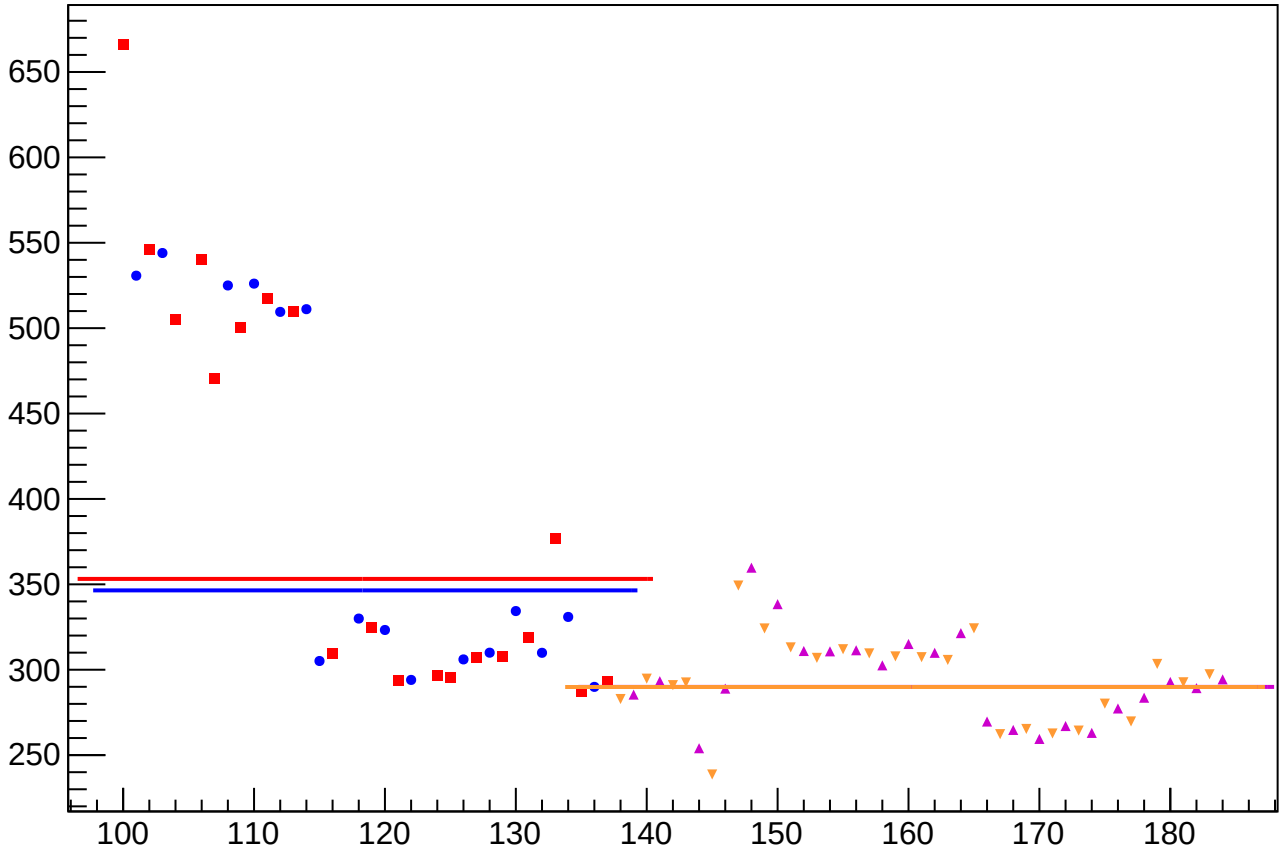
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -140.248+/-59.499 χ^2/NDF: 57.2/39

All: -23.779+/-42.496 χ^2/NDF: 110.9/81

- sign 97.499+/-60.715 χ^2/NDF: 45.8/41

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

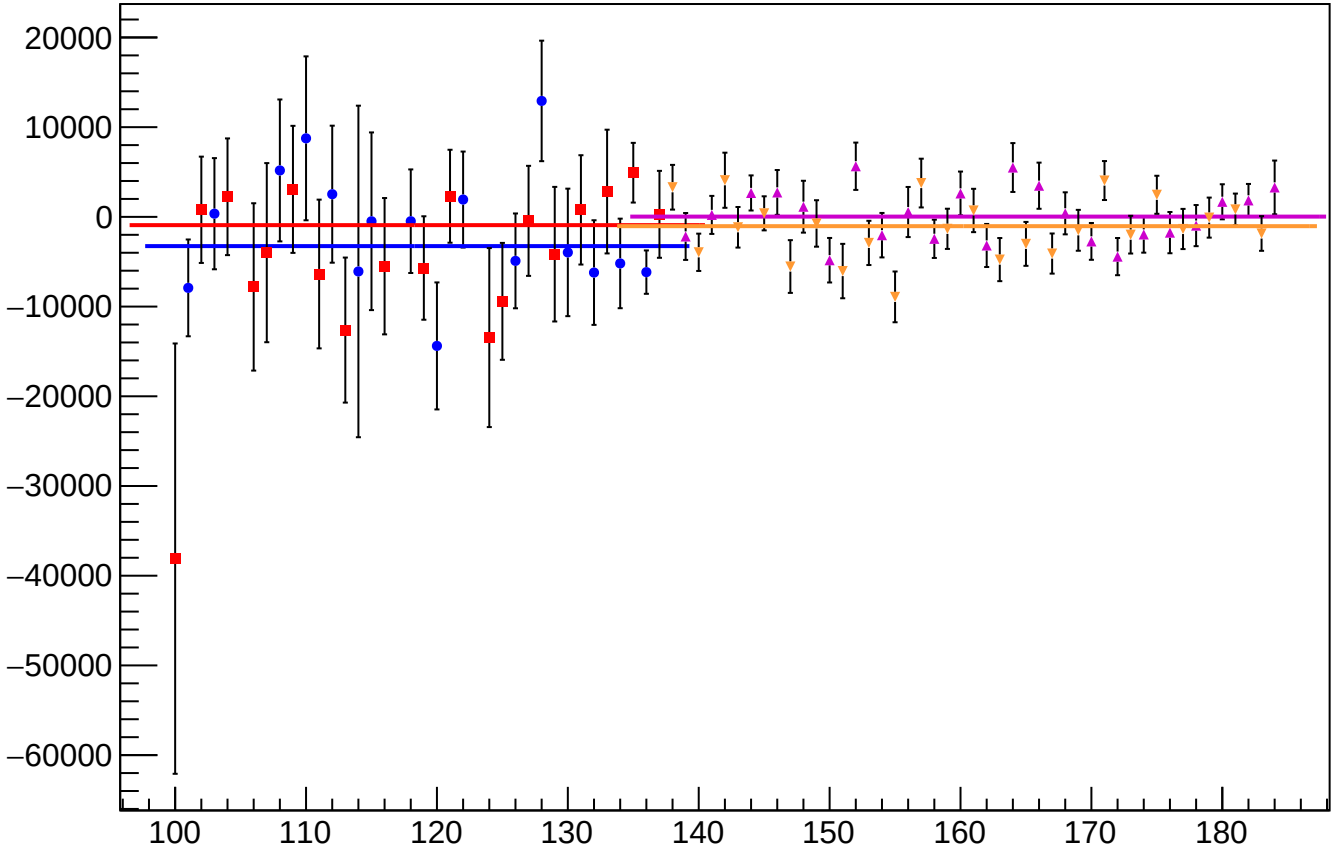
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 301.286+/-0.042 χ^2/NDF: 1339652.2/39

All: 302.126+/-0.030 χ^2/NDF: 2832011.4/81

- sign 303.000+/-0.043 χ^2/NDF: 1491545.9/41

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

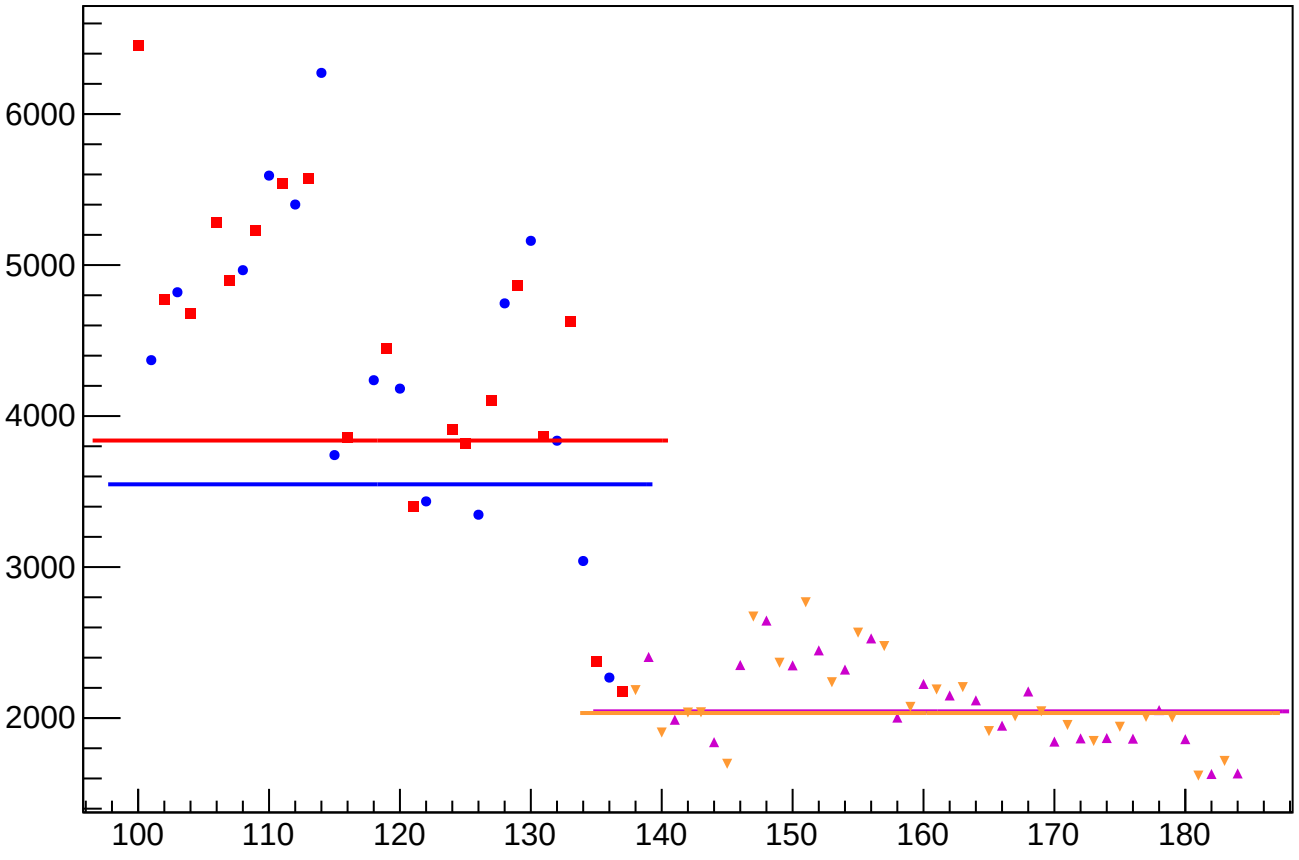
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1266.300+/-445.286 χ^2/NDF: 58.6/39

All: -681.607+/-319.253 χ^2/NDF: 111.3/81

- sign -63.142+/-457.965 χ^2/NDF: 49.1/41



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

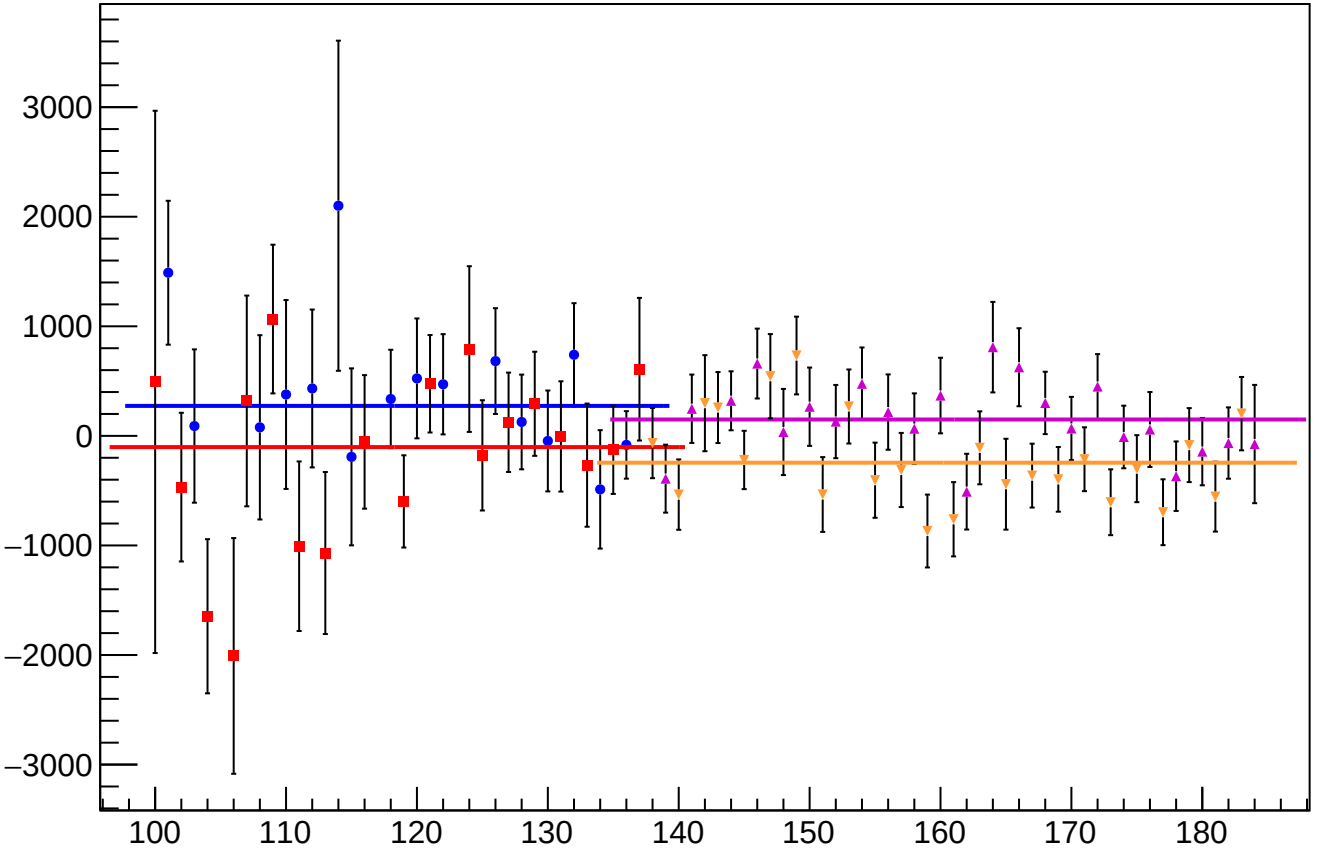
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2190.200+/-0.315 χ^2/NDF: 4075812.2/39

All: 2205.074+/-0.226 χ^2/NDF: 8539683.6/81

- sign 2220.807+/-0.324 χ^2/NDF: 4459279.4/41

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

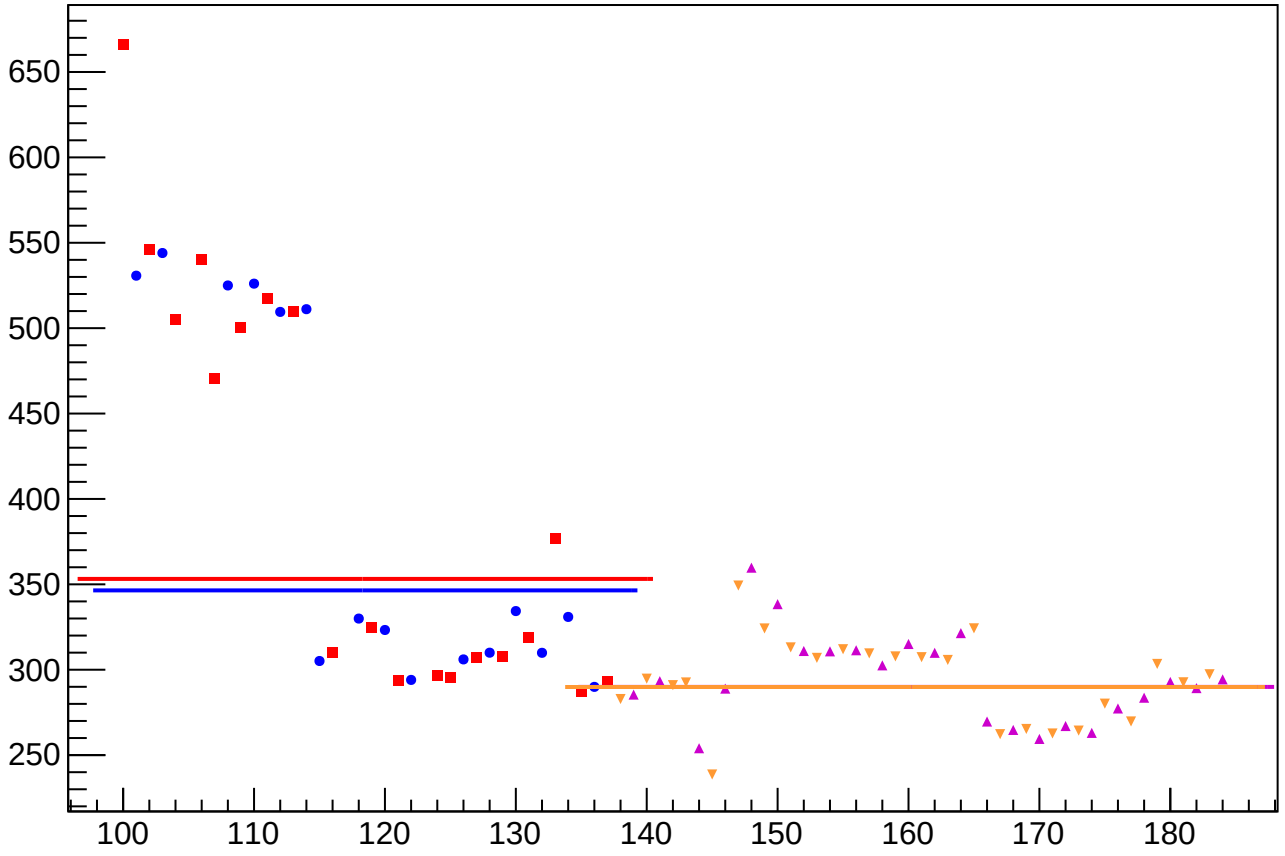
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -140.249+/-59.499 χ^2/NDF: 57.2/39

All: -23.779+/-42.496 χ^2/NDF: 110.9/81

- sign 97.500+/-60.715 χ^2/NDF: 45.8/41

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

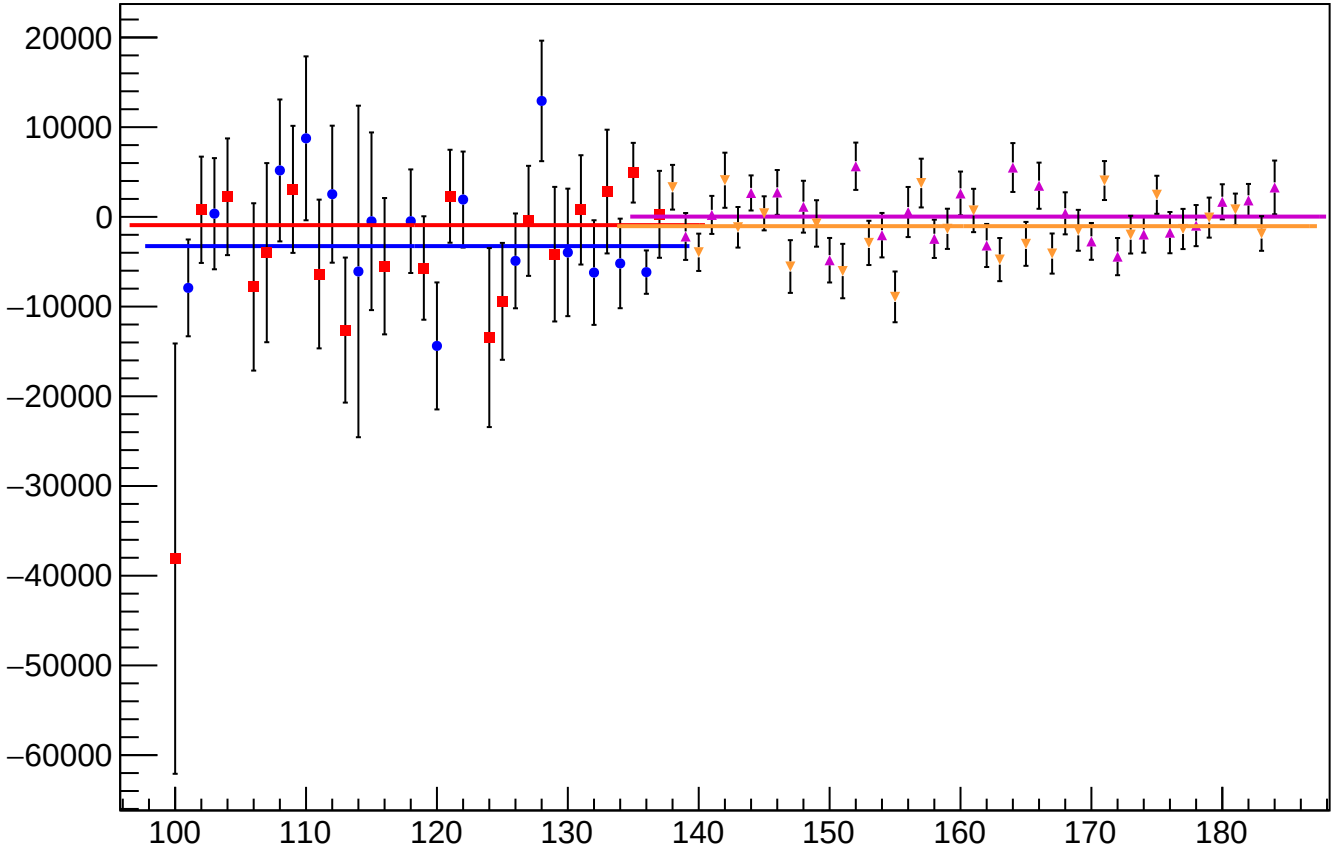
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 301.286+/-0.042 χ^2/NDF: 1339630.6/39

All: 302.125+/-0.030 χ^2/NDF: 2831969.8/81

- sign 303.000+/-0.043 χ^2/NDF: 1491525.9/41

asym_sam2_eigen_dit_correction_mean vs Slug



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

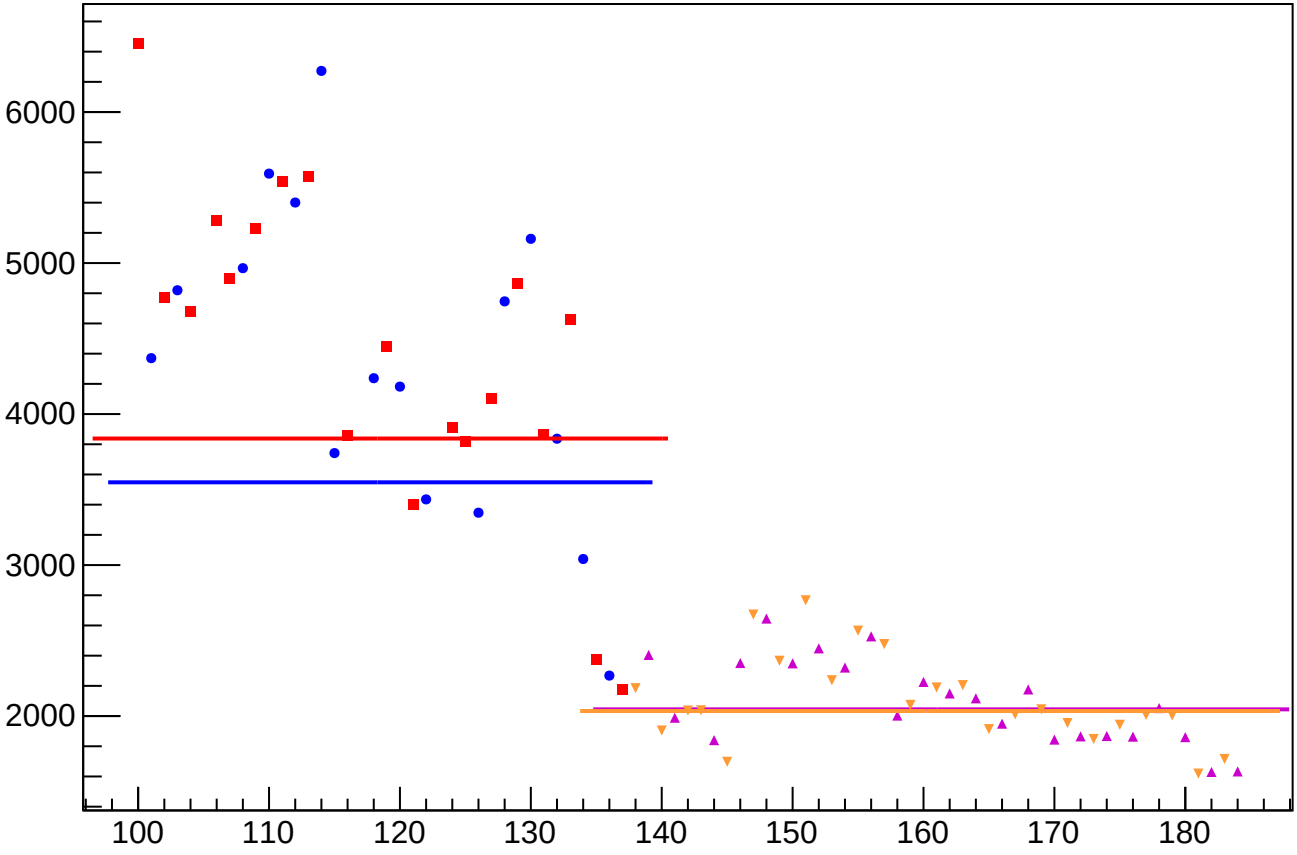
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1266.299+/-445.286 χ^2/NDF: 58.6/39

All: -681.607+/-319.253 χ^2/NDF: 111.3/81

- sign -63.144+/-457.965 χ^2/NDF: 49.1/41

asym_sam2_eigen_dit_correction_rms vs Slug



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

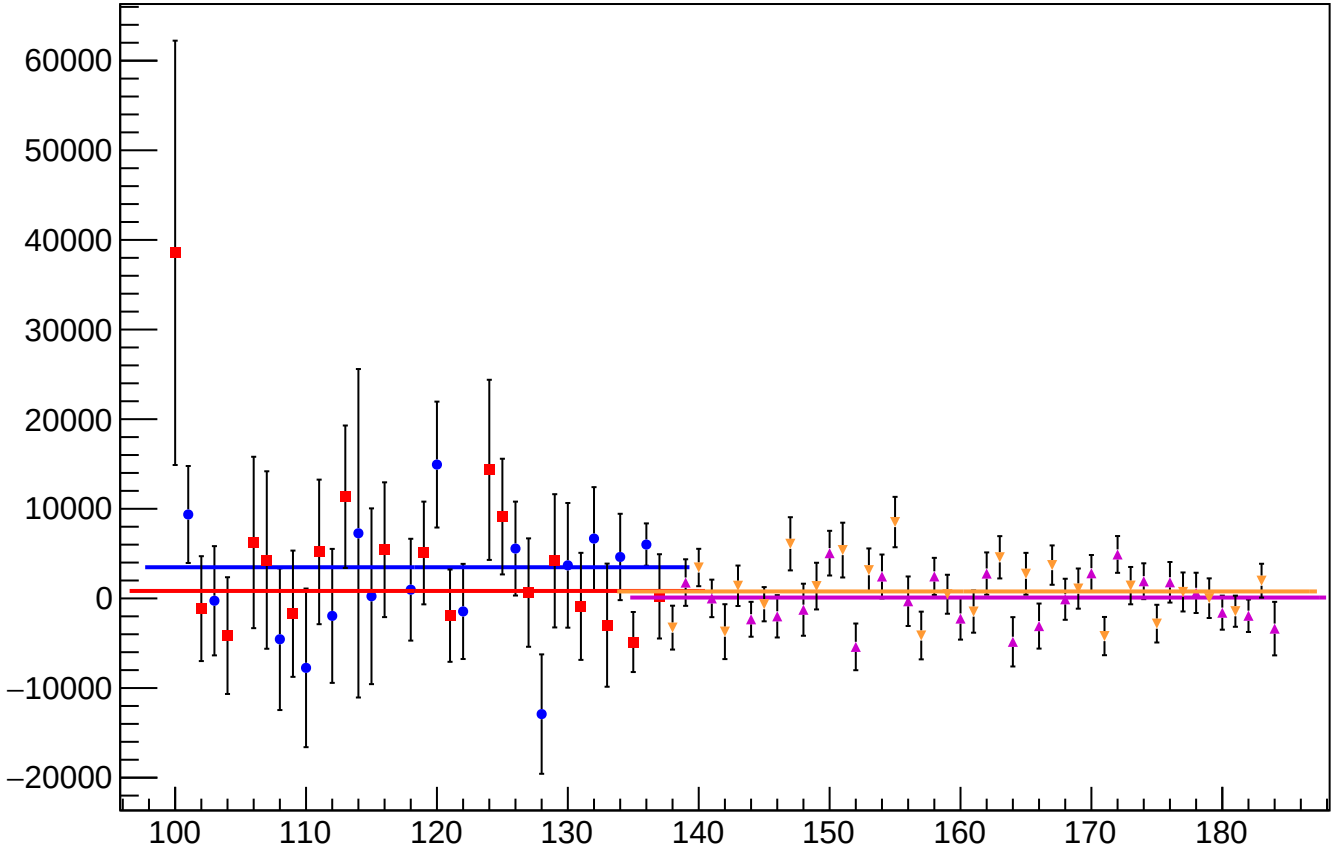
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2190.200+/-0.315 χ^2/NDF: 4075798.4/39

All: 2205.074+/-0.226 χ^2/NDF: 8539658.0/81

- sign 2220.807+/-0.324 χ^2/NDF: 4459267.7/41

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

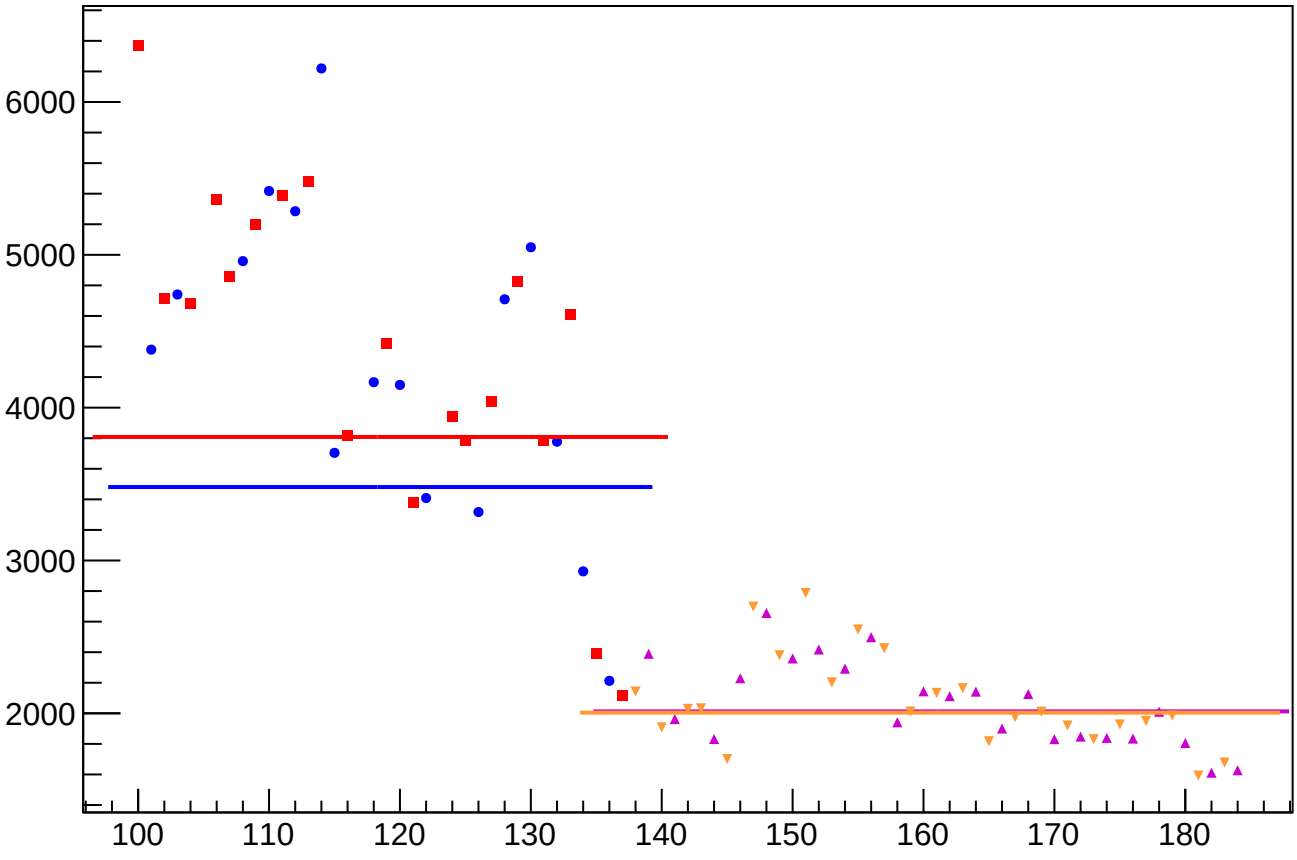
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1059.878+/-439.149 χ^2/NDF: 61.1/39

All: 626.057+/-314.712 χ^2/NDF: 110.3/81

- sign 168.027+/-451.236 χ^2/NDF: 47.1/41



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2004.406+/-0.328 χ^2/NDF:703997.7/23

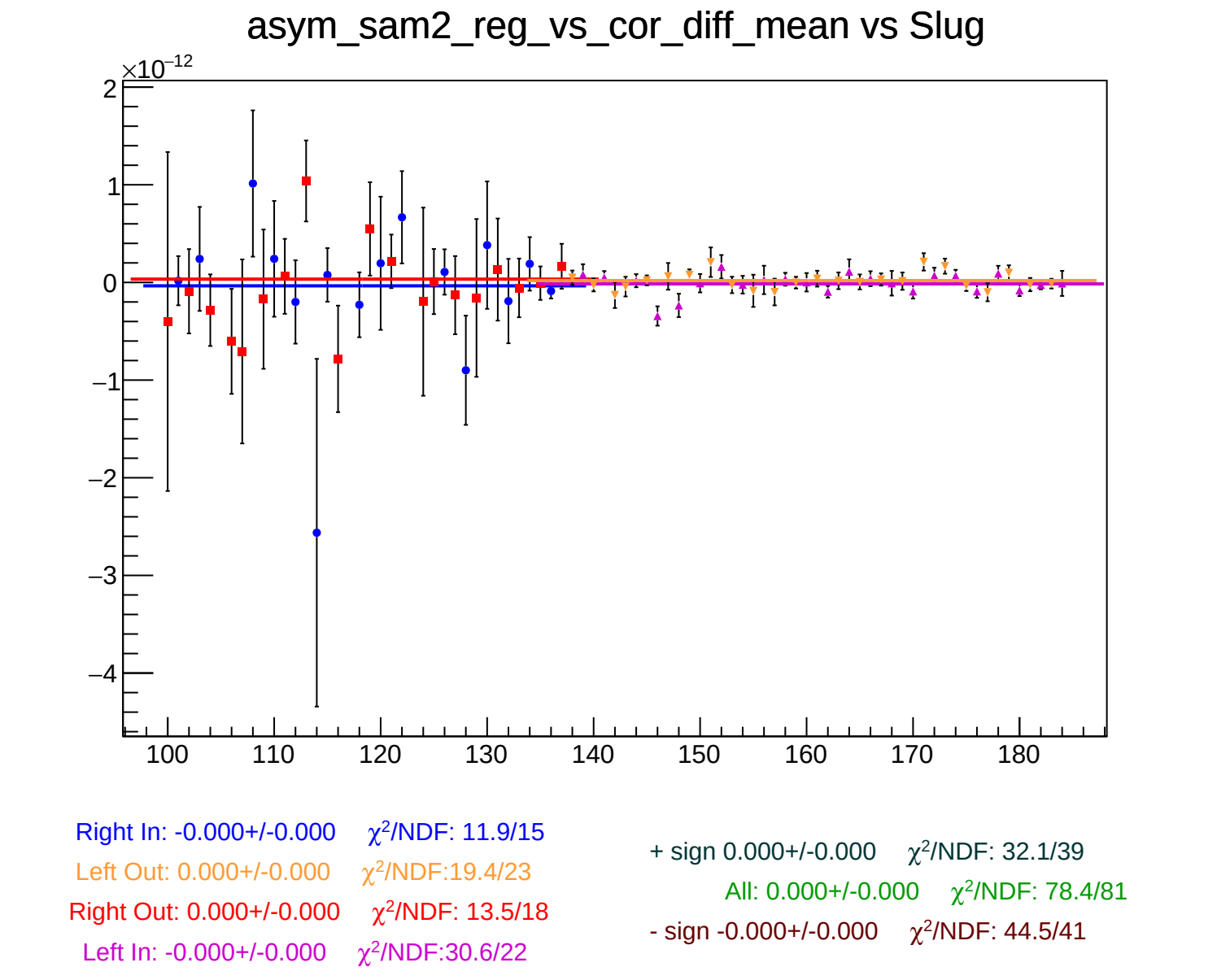
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

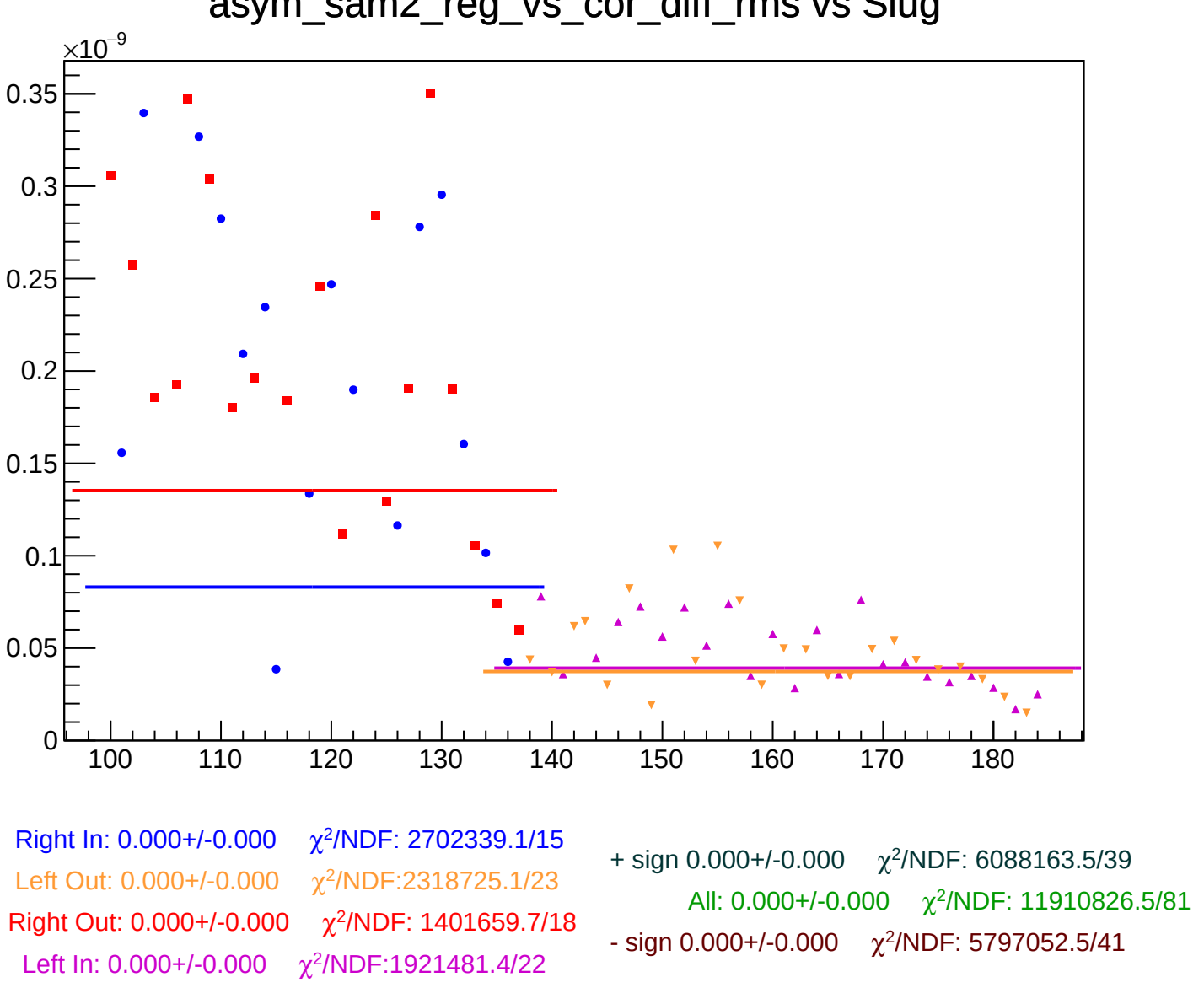
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2158.240+/-0.311 χ^2/NDF: 4110202.7/39

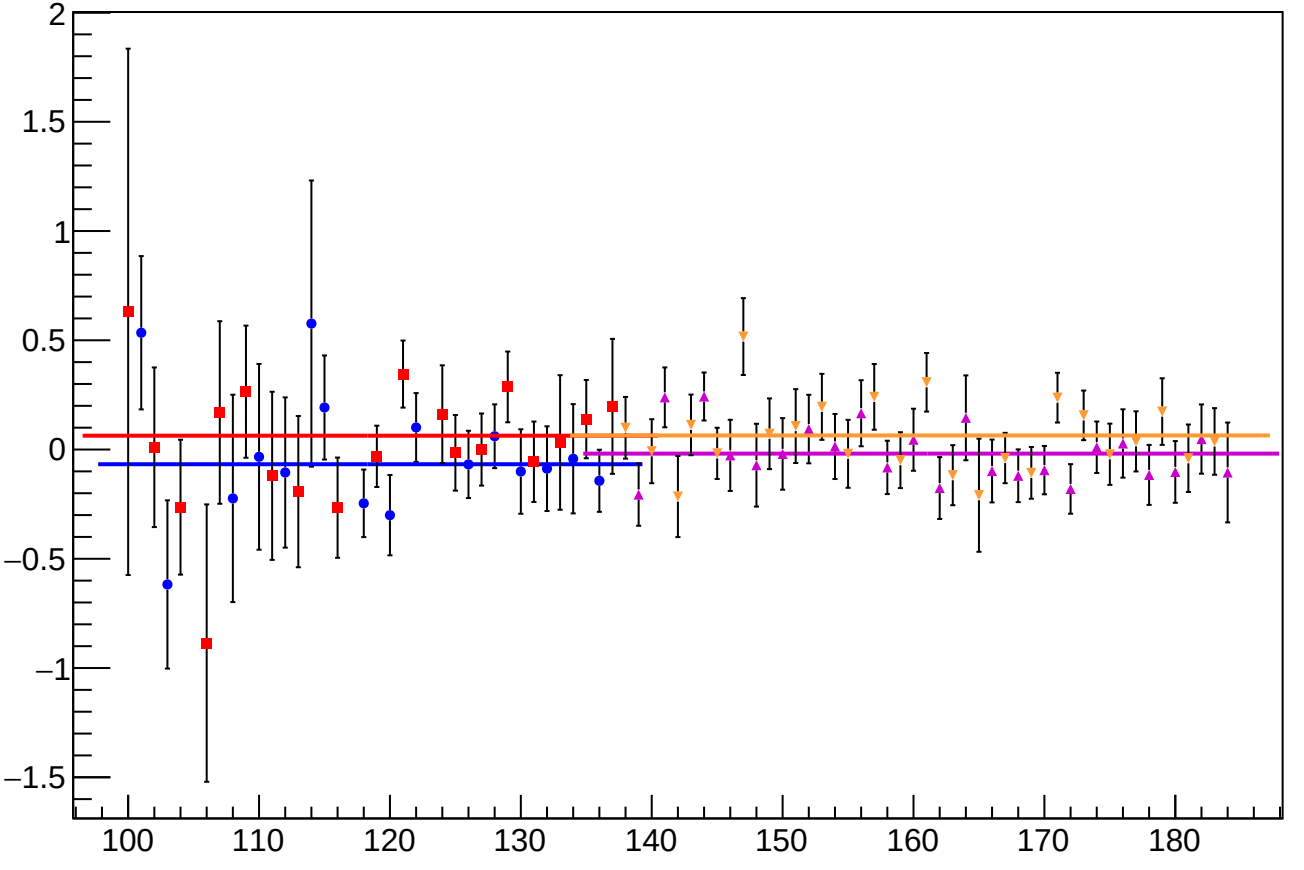
All: 2172.062+/-0.223 χ^2/NDF: 8619842.4/81

- sign 2186.655+/-0.319 χ^2/NDF: 4505566.6/41


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:30.6/22
+ sign 0.000+/-0.000 χ²/NDF: 32.1/39
All: 0.000+/-0.000 χ²/NDF: 78.4/81
- sign -0.000+/-0.000 χ²/NDF: 44.5/41


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:1921481.4/22
+ sign 0.000+/-0.000 χ²/NDF: 6088163.5/39
All: 0.000+/-0.000 χ²/NDF: 11910826.5/81
- sign 0.000+/-0.000 χ²/NDF: 5797052.5/41

asym_sam2_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

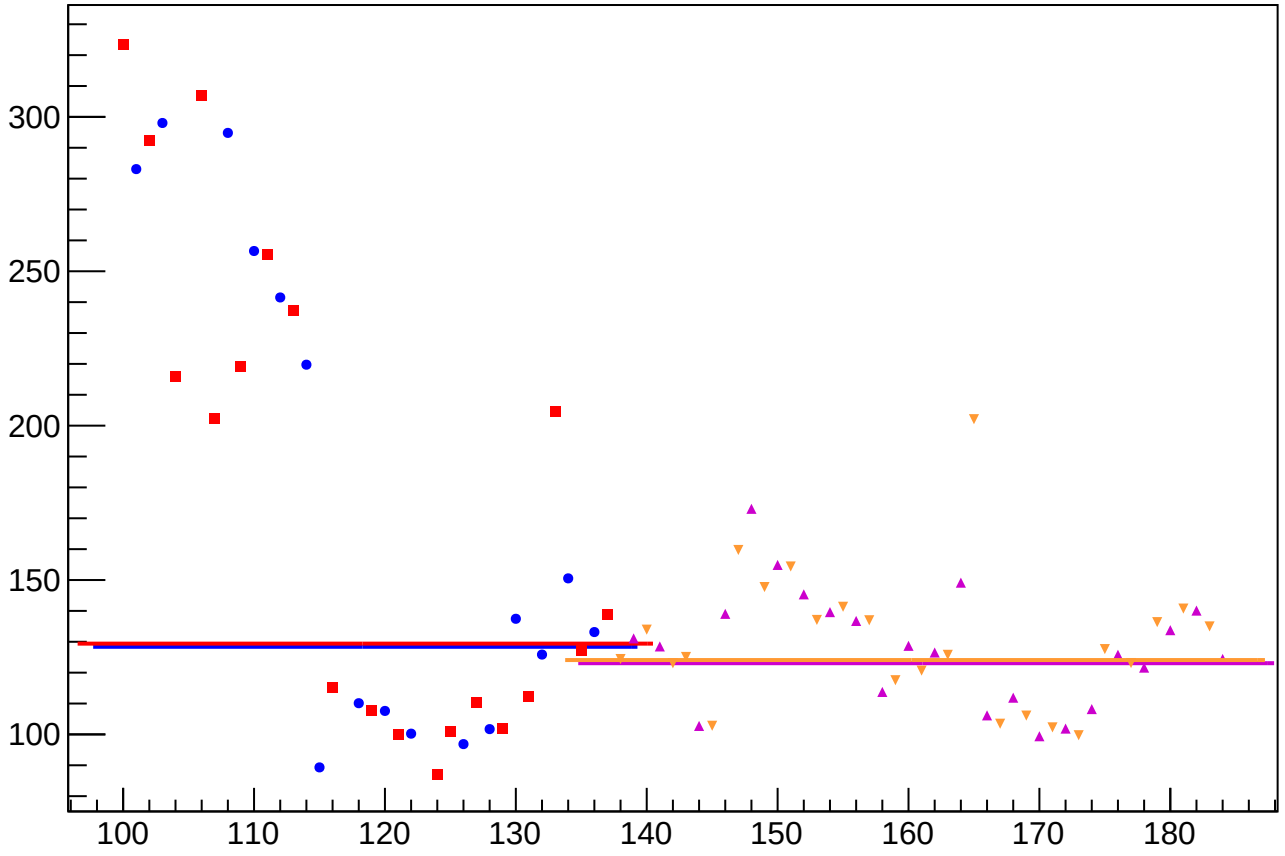
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.033+/-0.025 χ^2/NDF: 43.9/39

All: 0.017+/-0.018 χ^2/NDF: 81.0/81

- sign 0.001+/-0.026 χ^2/NDF: 36.3/41

asym_sam2_dit_vs_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

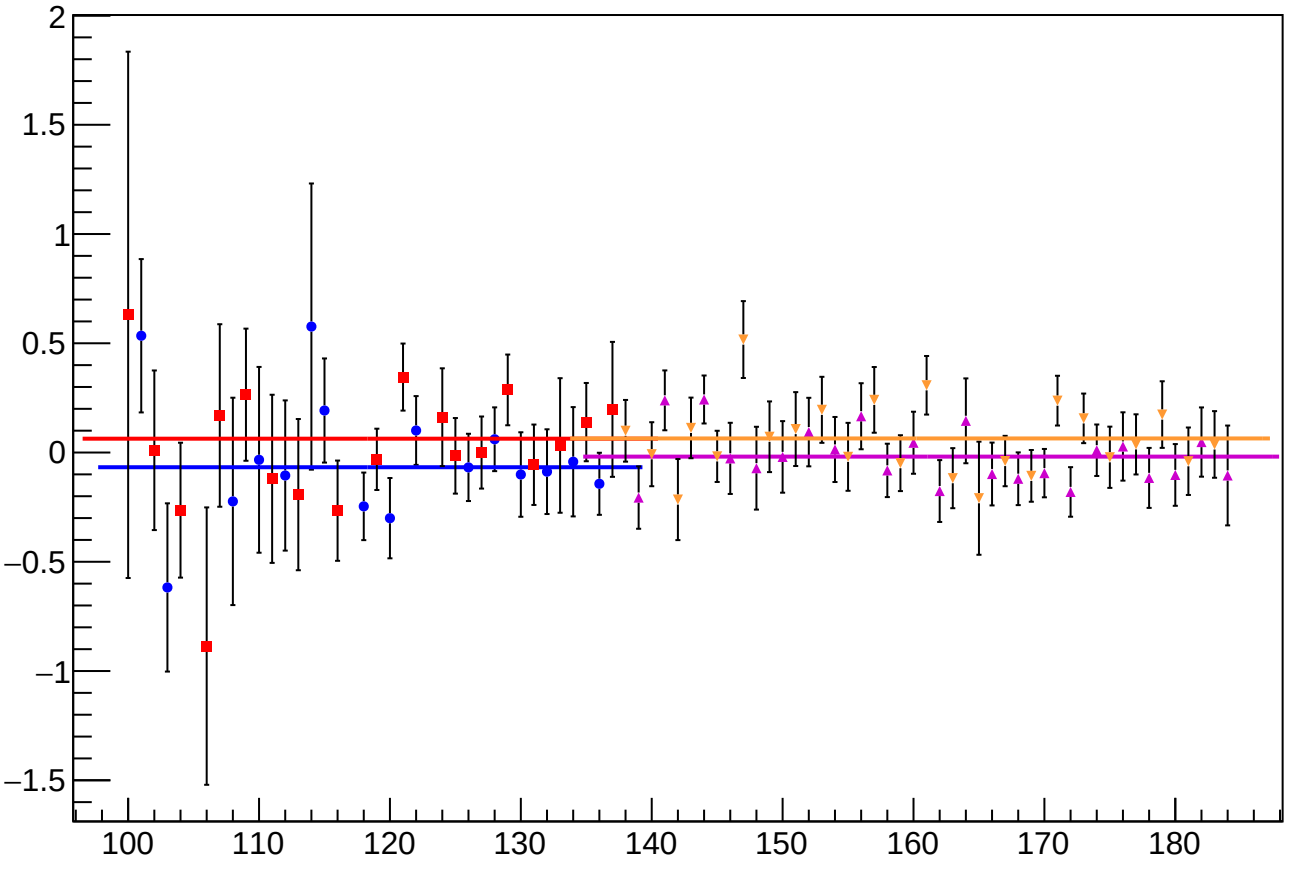
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.097+/-0.018 χ^2/NDF: 2645899.4/39

All: 124.856+/-0.013 χ^2/NDF: 5276149.8/81

- sign 124.608+/-0.018 χ^2/NDF: 2629878.2/41



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

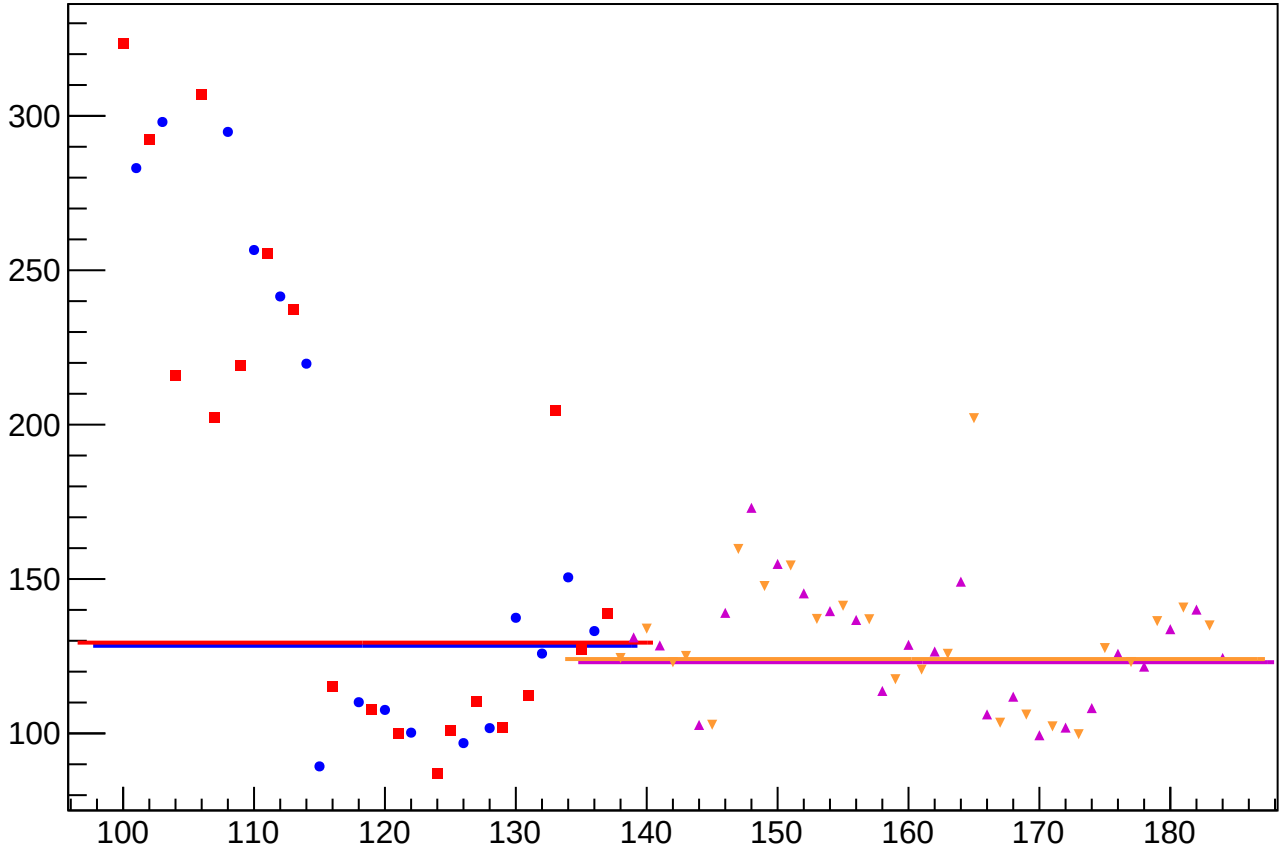
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.033+/-0.025 χ^2/NDF: 43.9/39

All: 0.017+/-0.018 χ^2/NDF: 81.0/81

- sign 0.001+/-0.026 χ^2/NDF: 36.3/41

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

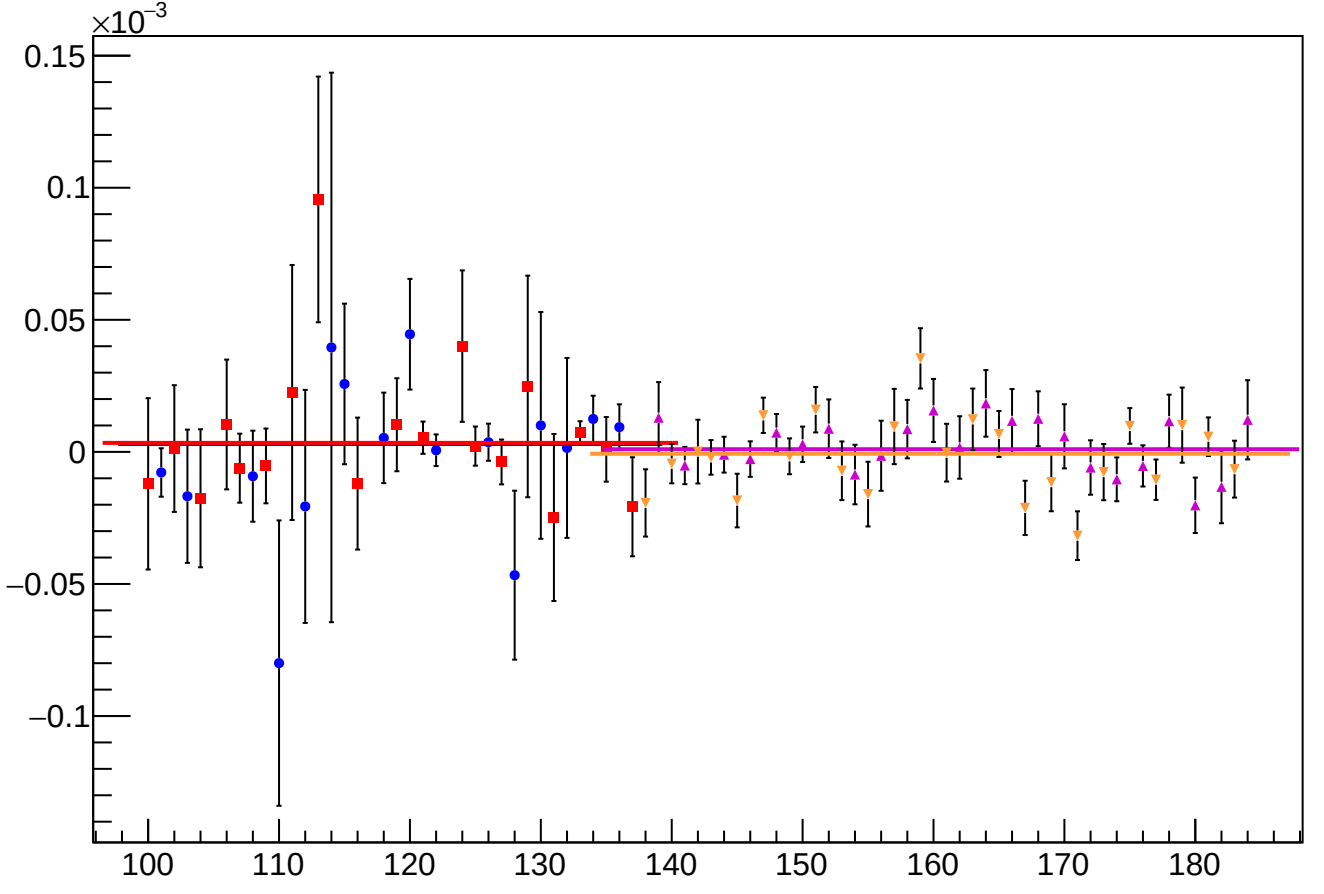
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.097+/-0.018 χ^2/NDF: 2645899.4/39

All: 124.856+/-0.013 χ^2/NDF: 5276149.8/81

- sign 124.608+/-0.018 χ^2/NDF: 2629878.2/41

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

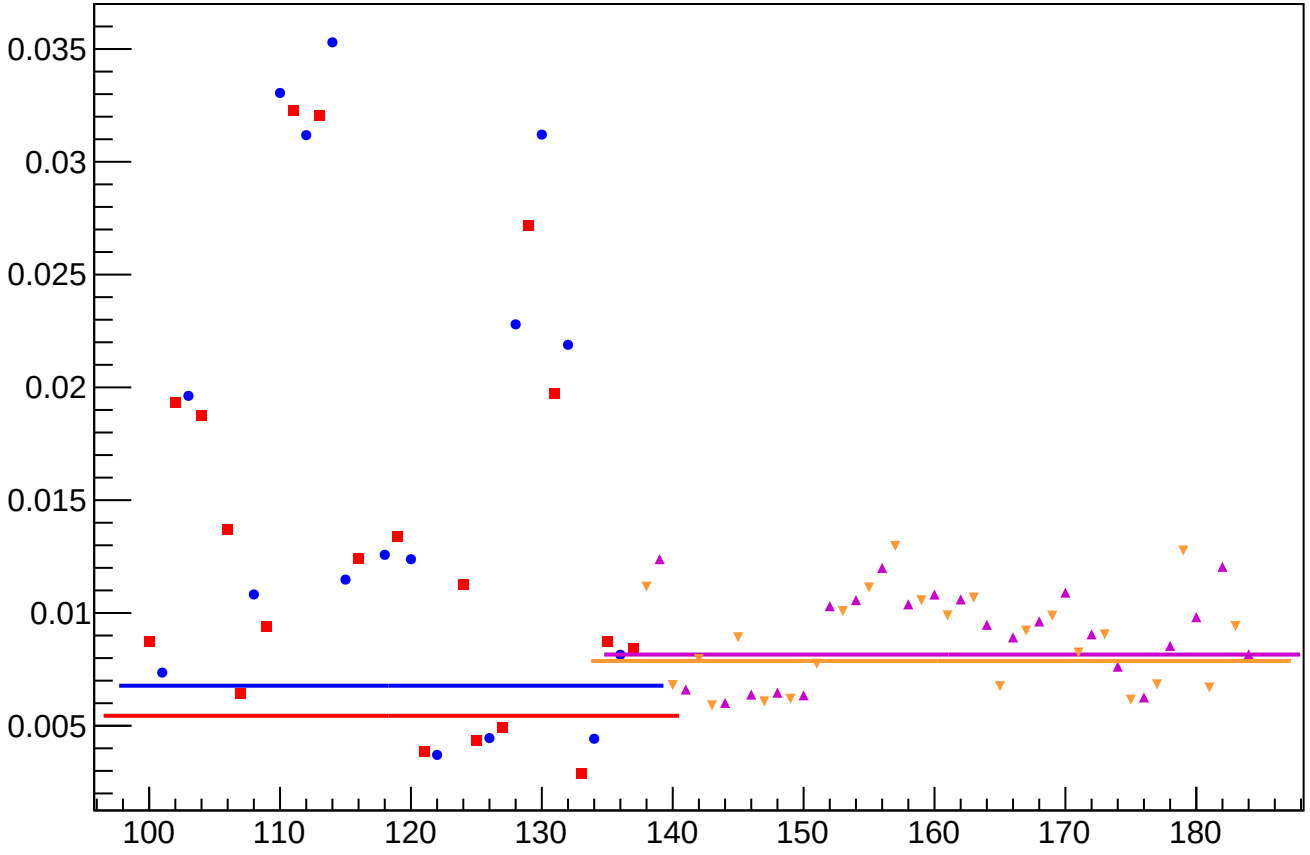
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/39

All: 0.000+/-0.000 χ^2/NDF: 99.6/81

- sign 0.000+/-0.000 χ^2/NDF: 33.1/41

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

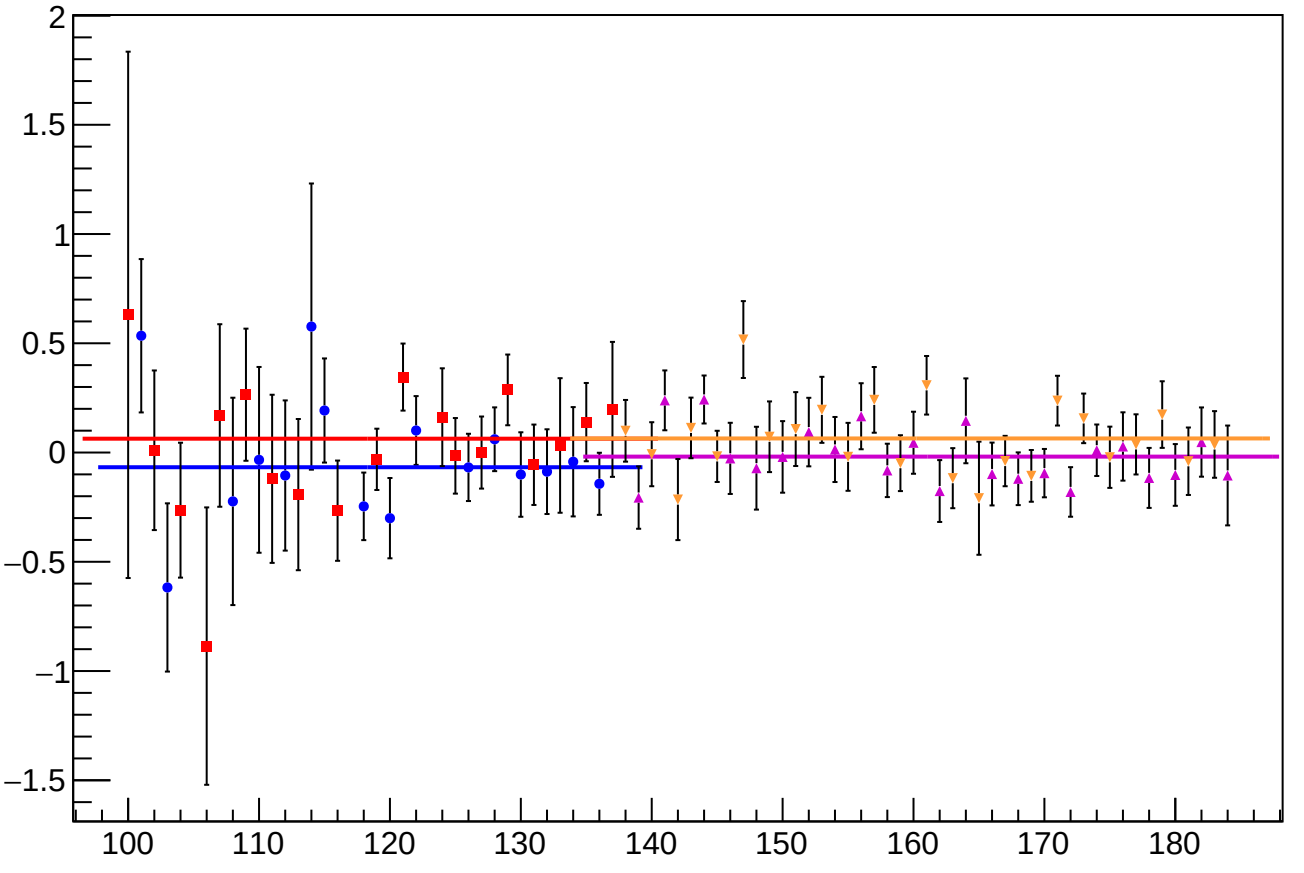
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7026183.3/39

All: 0.007+/-0.000 χ^2/NDF: 16069600.4/81

- sign 0.007+/-0.000 χ^2/NDF: 8969654.4/41



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

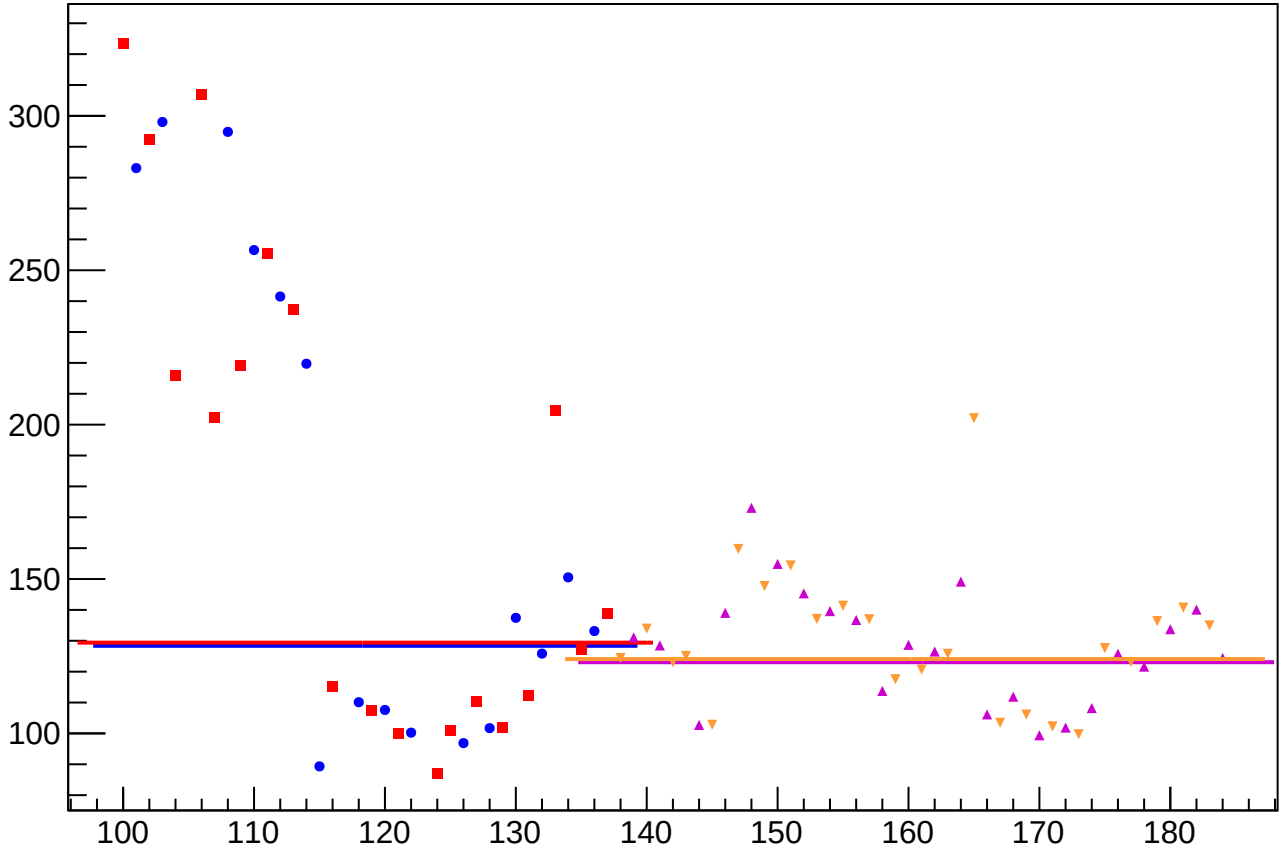
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.033+/-0.025 χ^2/NDF: 43.9/39

All: 0.017+/-0.018 χ^2/NDF: 81.0/81

- sign 0.001+/-0.026 χ^2/NDF: 36.3/41

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

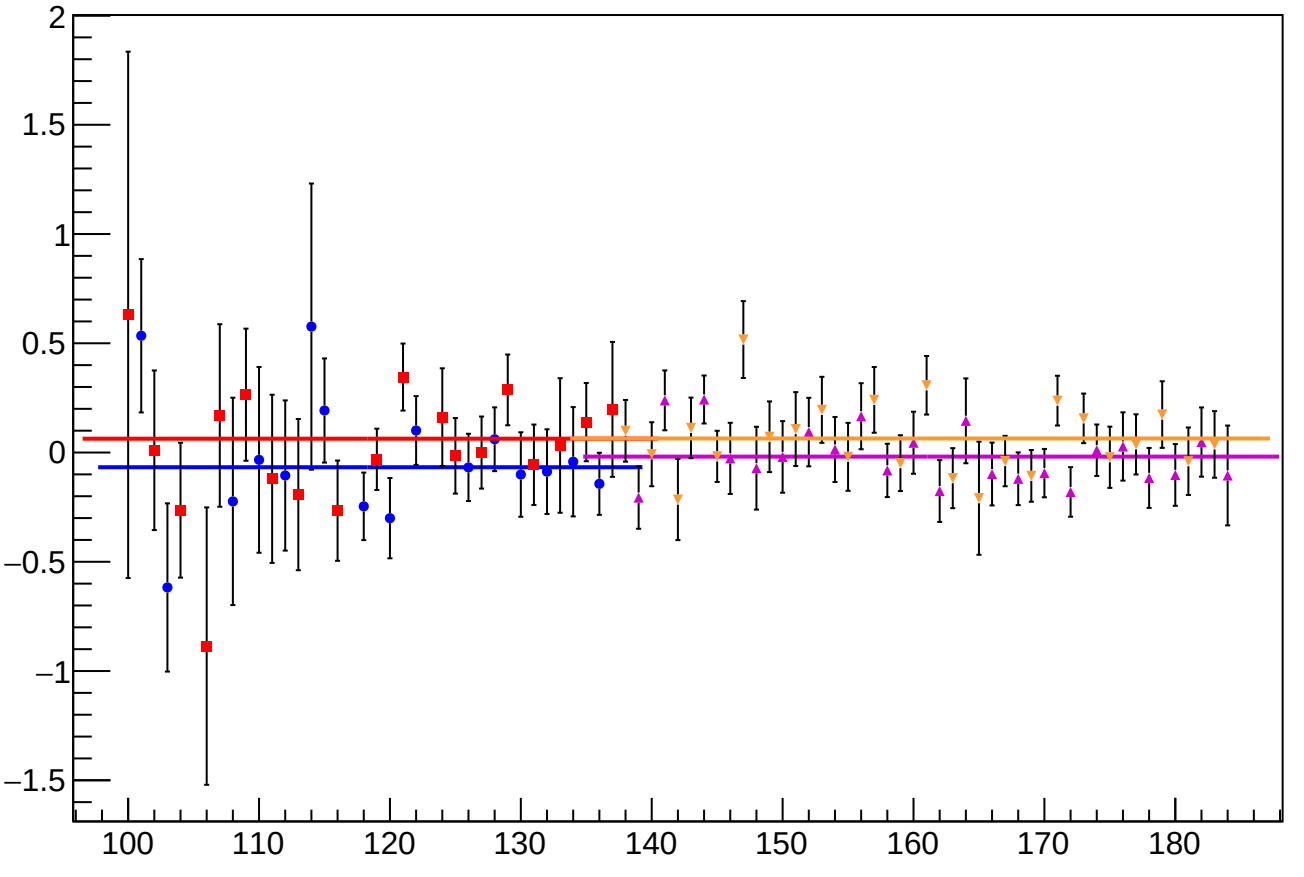
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.097+/-0.018 χ^2/NDF: 2645883.7/39

All: 124.855+/-0.013 χ^2/NDF: 5276138.6/81

- sign 124.608+/-0.018 χ^2/NDF: 2629882.6/41



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.029 χ^2/NDF:26.5/23

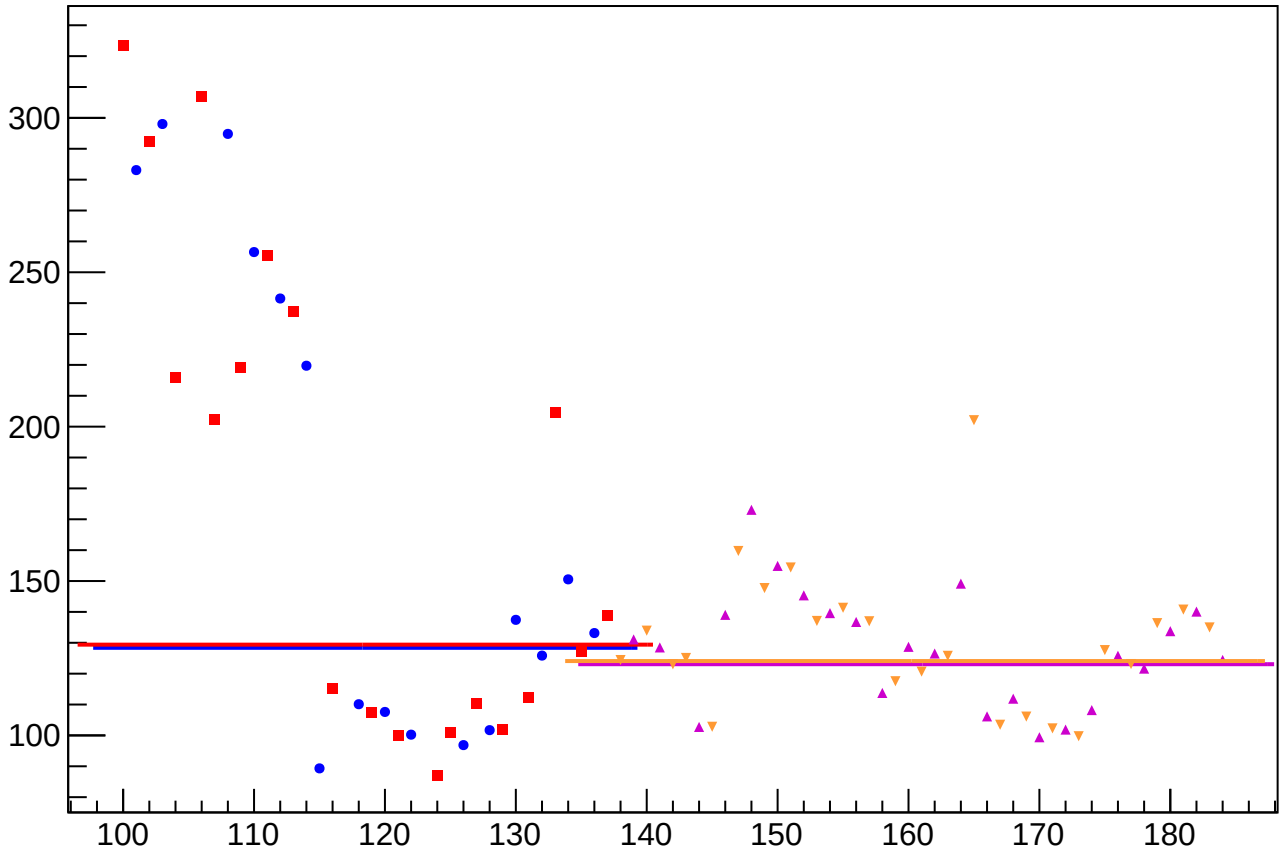
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.033+/-0.025 χ^2/NDF: 43.9/39

All: 0.017+/-0.018 χ^2/NDF: 81.0/81

- sign 0.001+/-0.026 χ^2/NDF: 36.3/41



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.080+/-0.020 χ^2/NDF:830337.8/23

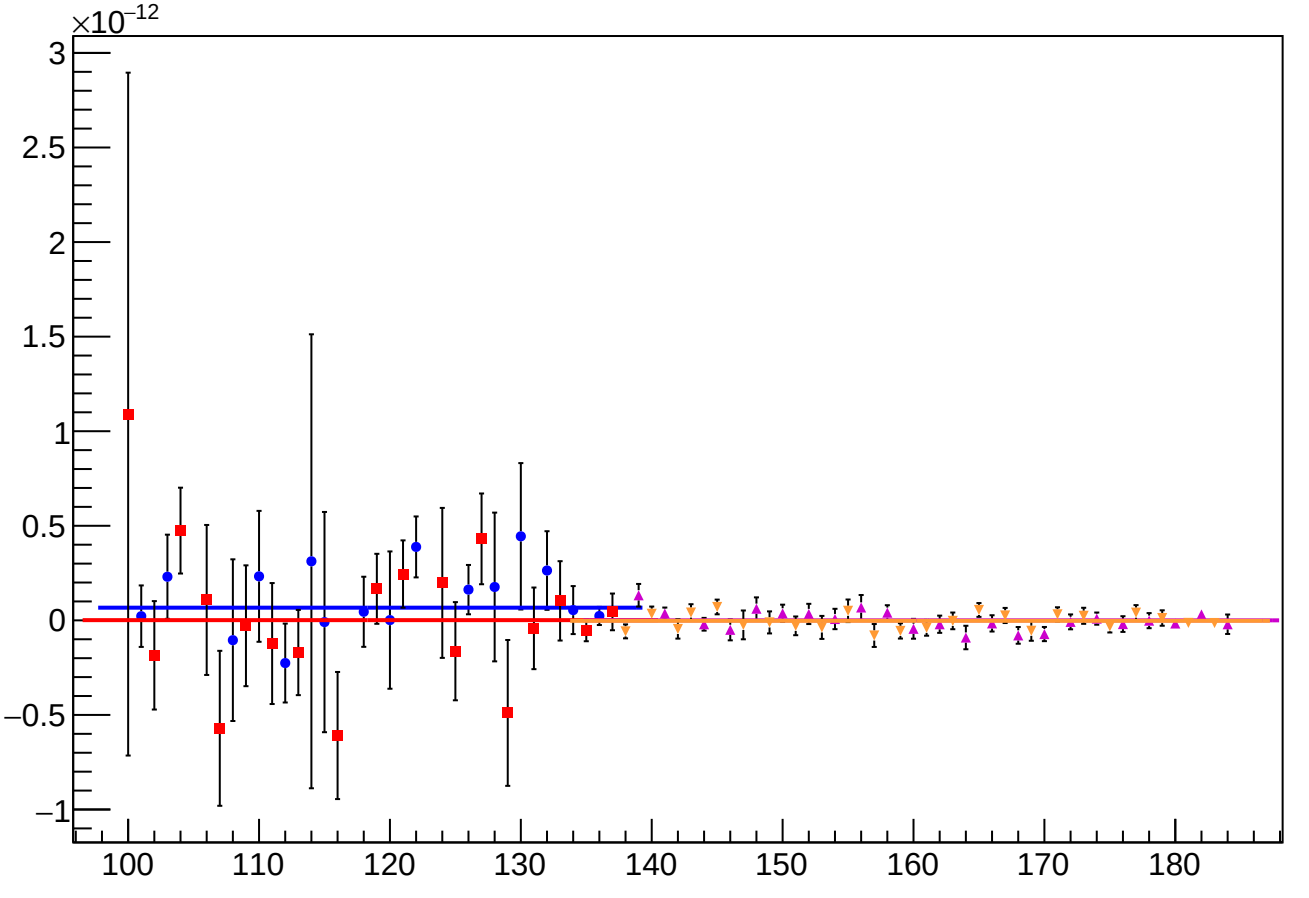
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.097+/-0.018 χ^2/NDF: 2645883.7/39

All: 124.855+/-0.013 χ^2/NDF: 5276138.6/81

- sign 124.608+/-0.018 χ^2/NDF: 2629882.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

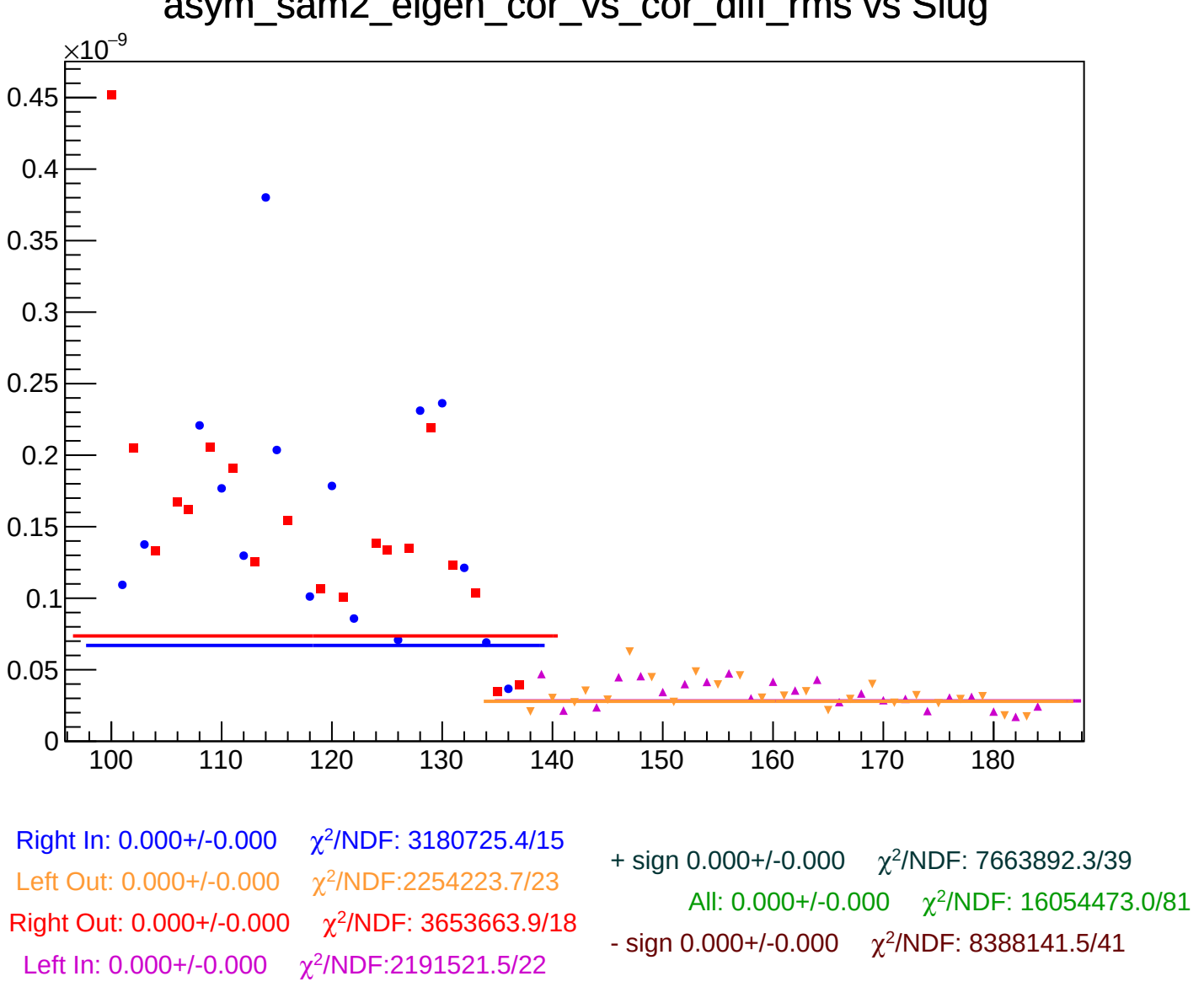
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

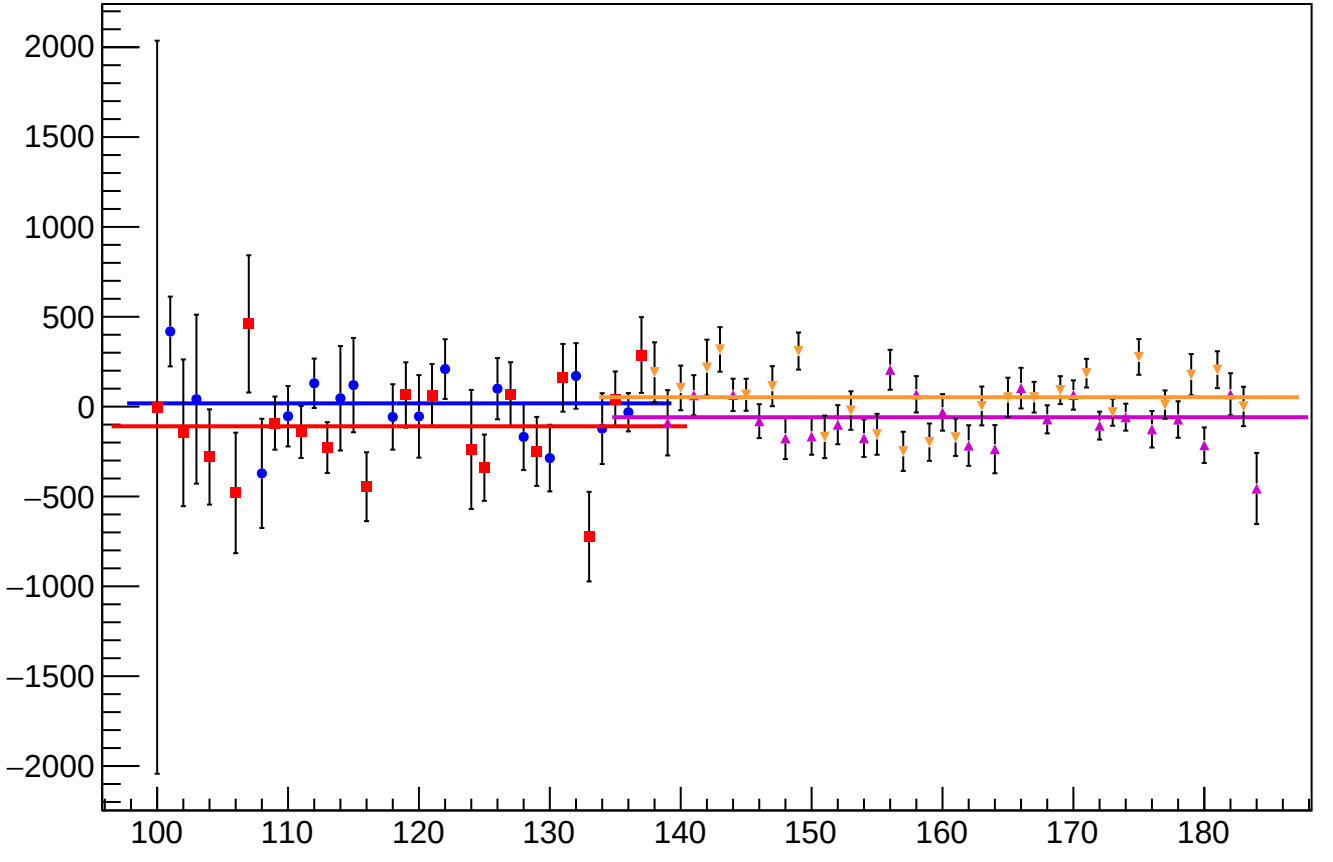
+ sign 0.000+/-0.000 χ^2/NDF: 35.7/39

All: 0.000+/-0.000 χ^2/NDF: 81.1/81

- sign 0.000+/-0.000 χ^2/NDF: 45.3/41


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:2191521.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7663892.3/39
All: 0.000+/-0.000 χ²/NDF: 16054473.0/81
- sign 0.000+/-0.000 χ²/NDF: 8388141.5/41

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

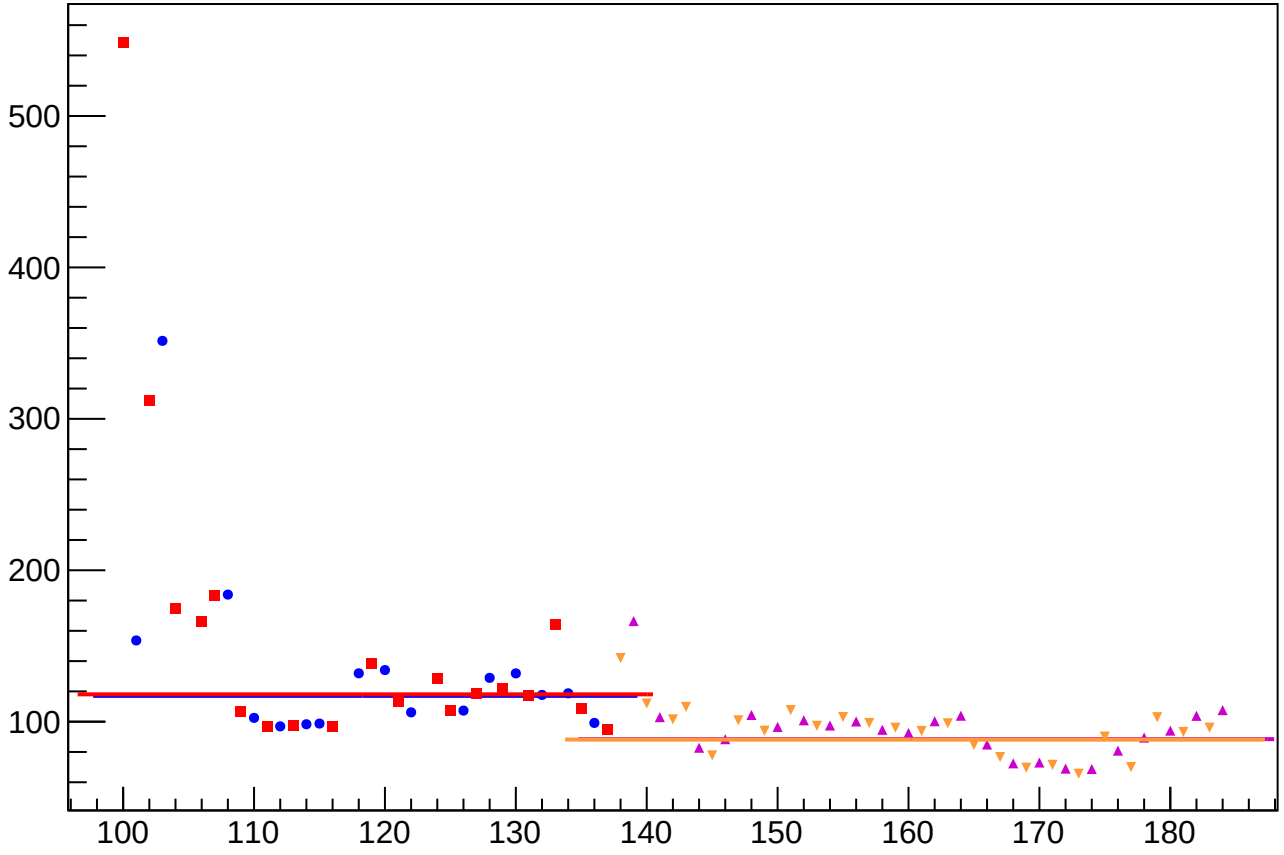
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 46.664+/-18.842 χ^2/NDF: 66.3/39

All: -9.502+/-13.451 χ^2/NDF: 141.5/81

- sign -67.872+/-19.208 χ^2/NDF: 57.1/41

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

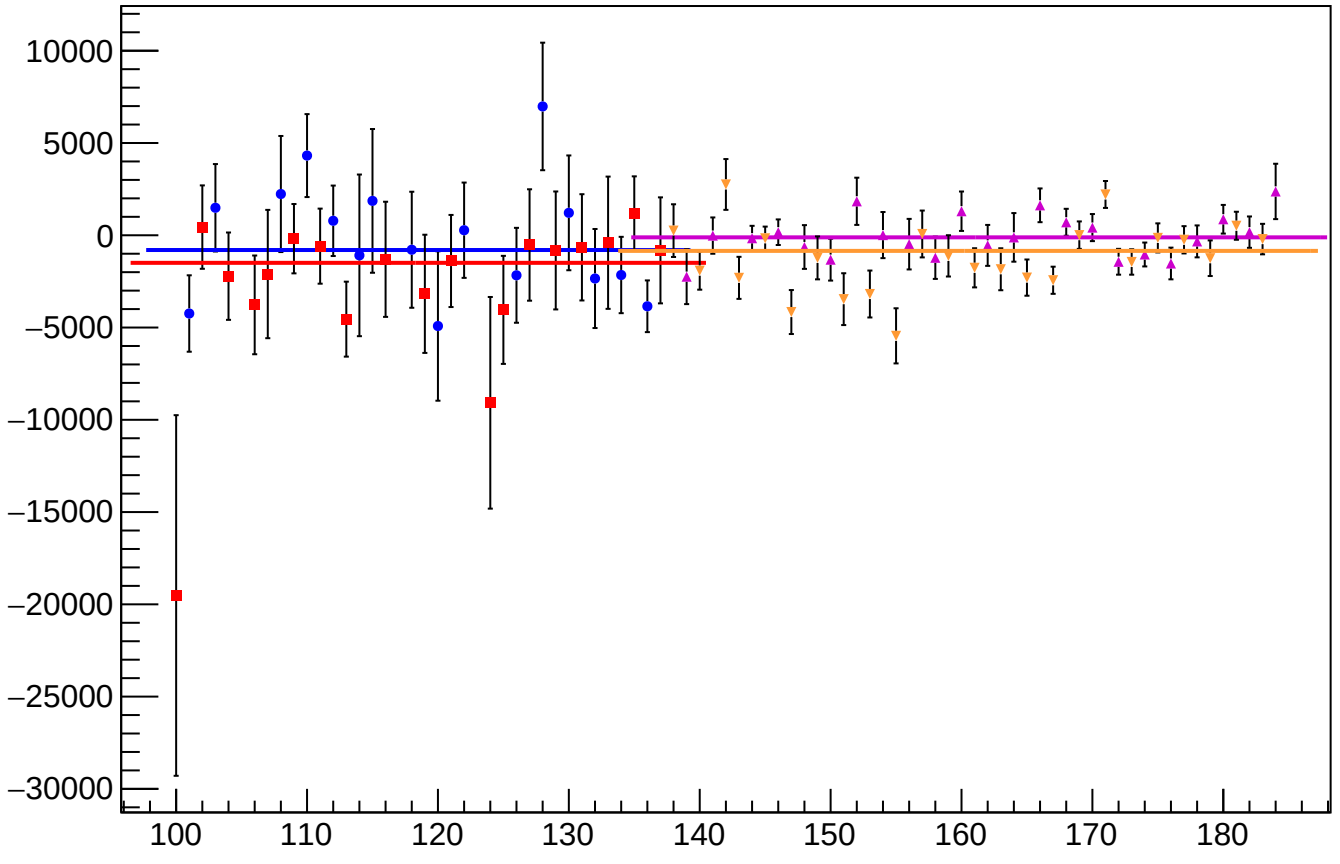
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.110+/-0.013 χ^2/NDF: 2676486.5/39

All: 93.389+/-0.010 χ^2/NDF: 5430522.3/81

- sign 93.679+/-0.014 χ^2/NDF: 2753142.3/41



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

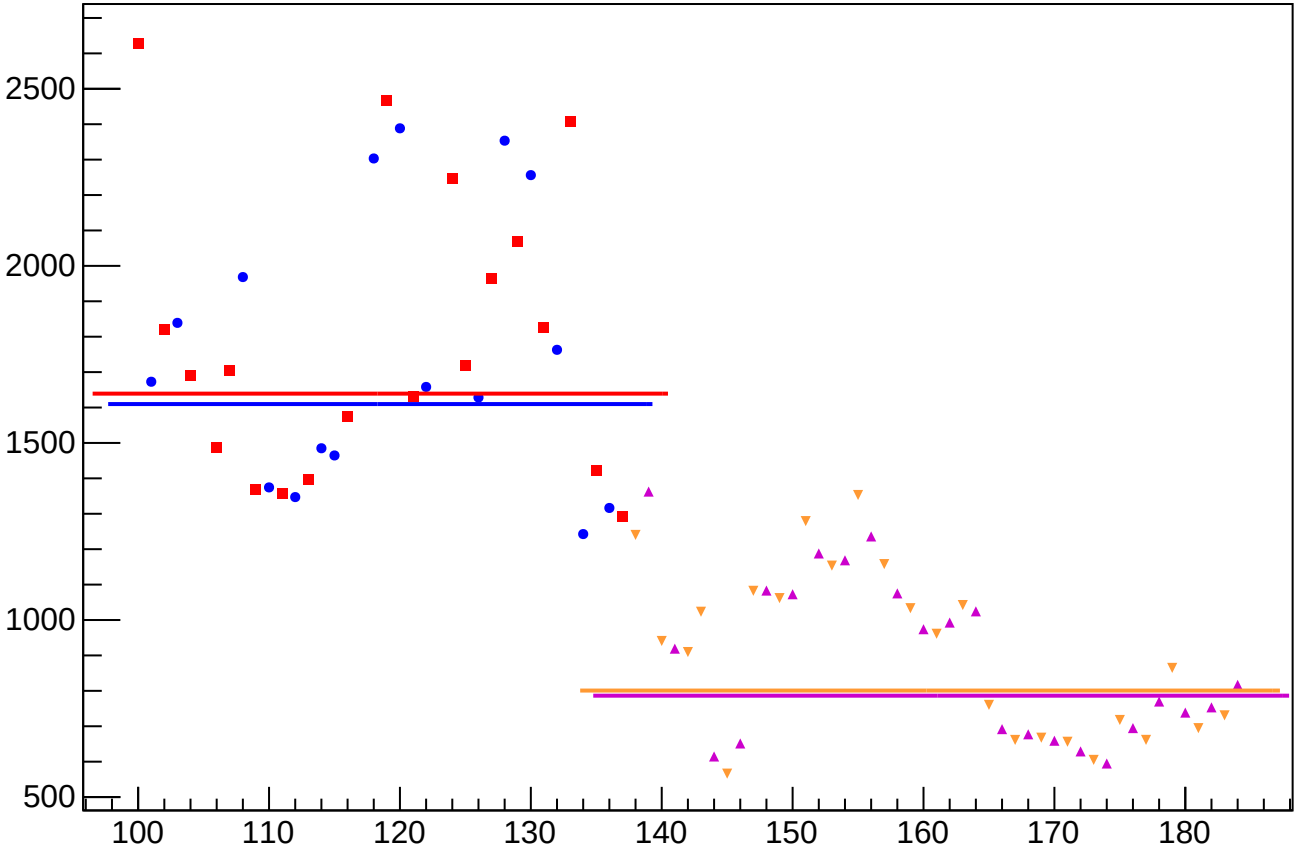
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -842.329+/-181.578 χ^2/NDF: 93.0/39

All: -538.323+/-128.445 χ^2/NDF: 143.2/81

- sign -233.842+/-181.720 χ^2/NDF: 44.6/41

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

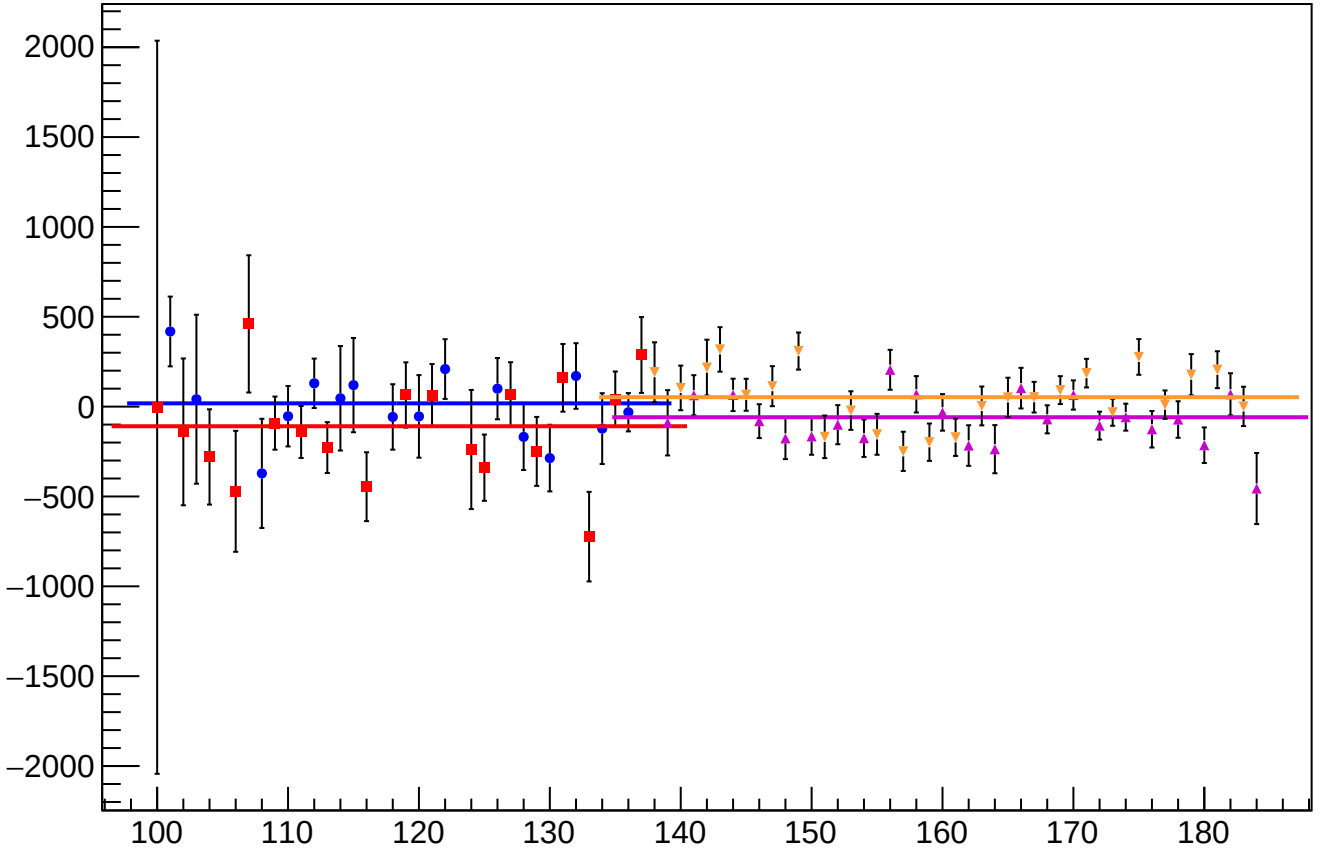
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 871.096+/-0.128 χ^2/NDF: 6143677.0/39

All: 866.184+/-0.091 χ^2/NDF: 12353896.5/81

- sign 861.264+/-0.128 χ^2/NDF: 6207290.1/41

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

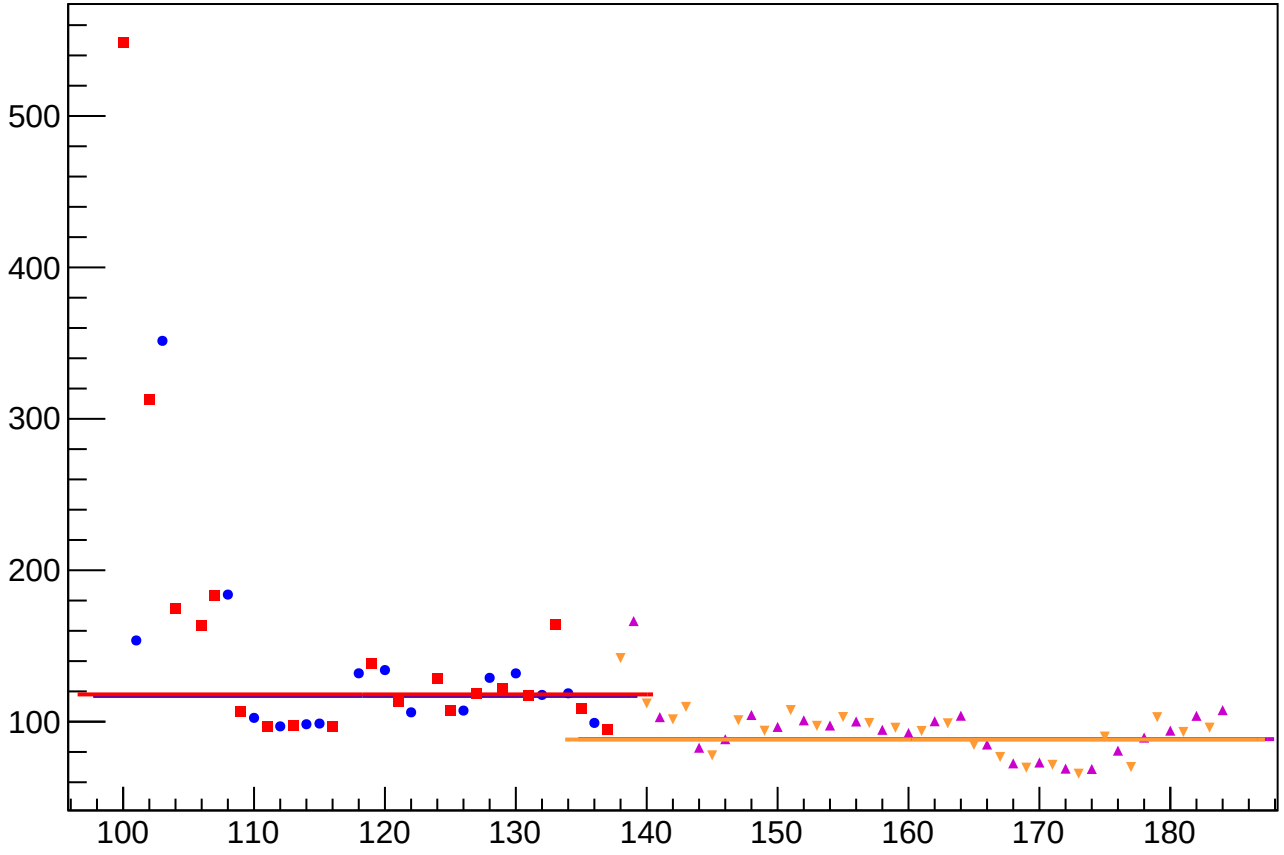
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 46.667+/-18.842 χ^2/NDF: 66.3/39

All: -9.476+/-13.451 χ^2/NDF: 141.4/81

- sign -67.824+/-19.208 χ^2/NDF: 57.0/41

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

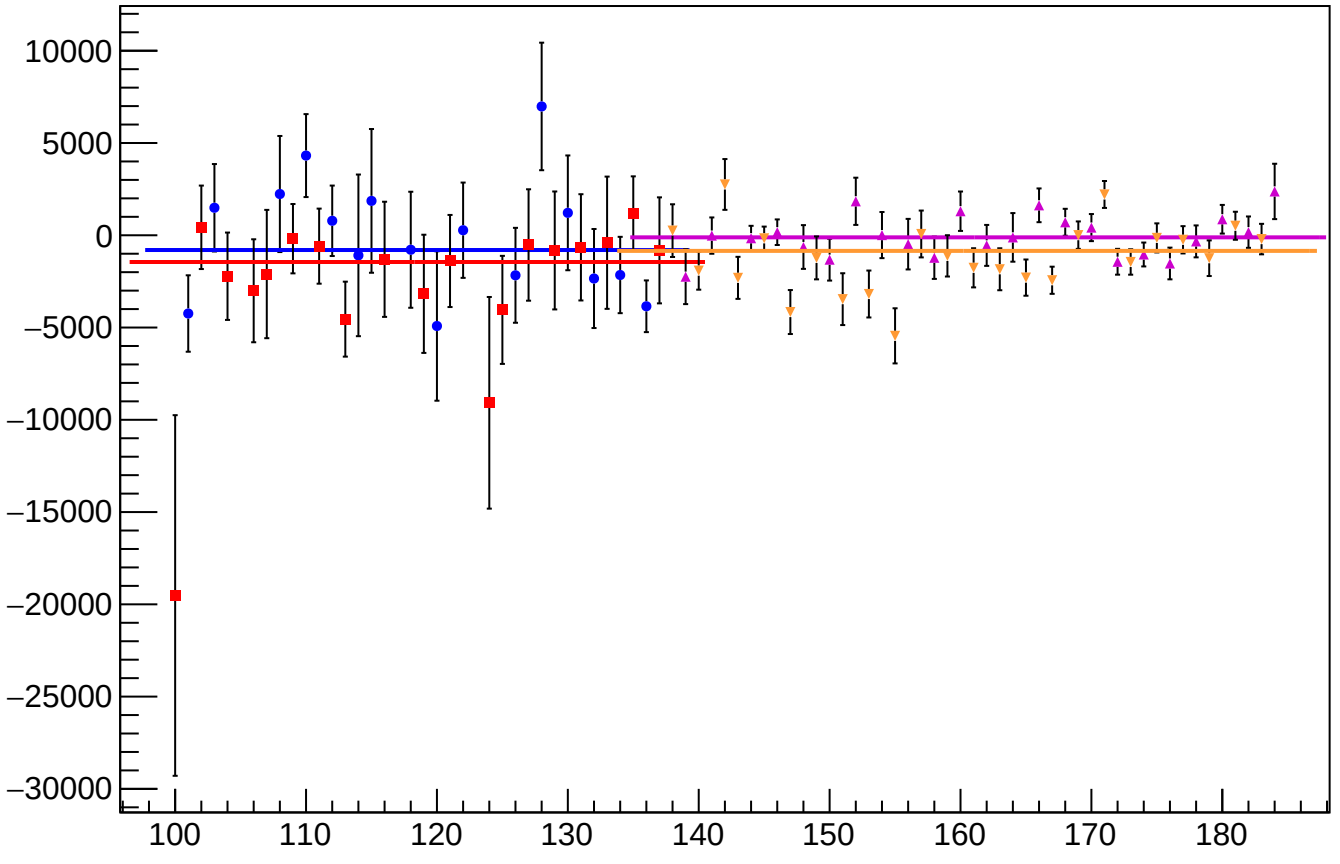
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.110+/-0.013 χ^2/NDF: 2676488.1/39

All: 93.384+/-0.010 χ^2/NDF: 5423822.8/81

- sign 93.669+/-0.014 χ^2/NDF: 2746471.3/41



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

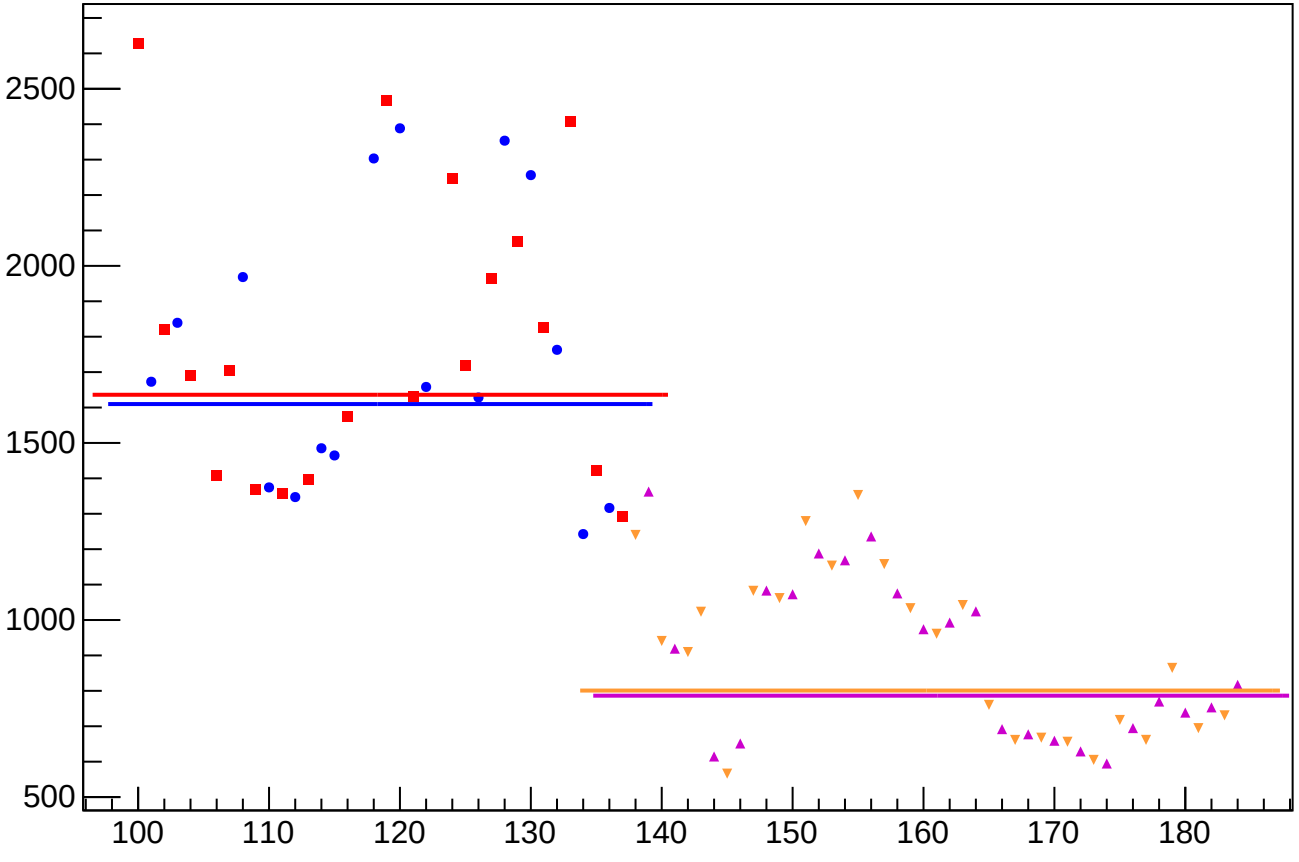
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -842.322+/-181.578 χ^2/NDF: 93.0/39

All: -536.150+/-128.457 χ^2/NDF: 142.5/81

- sign -229.380+/-181.755 χ^2/NDF: 43.8/41

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

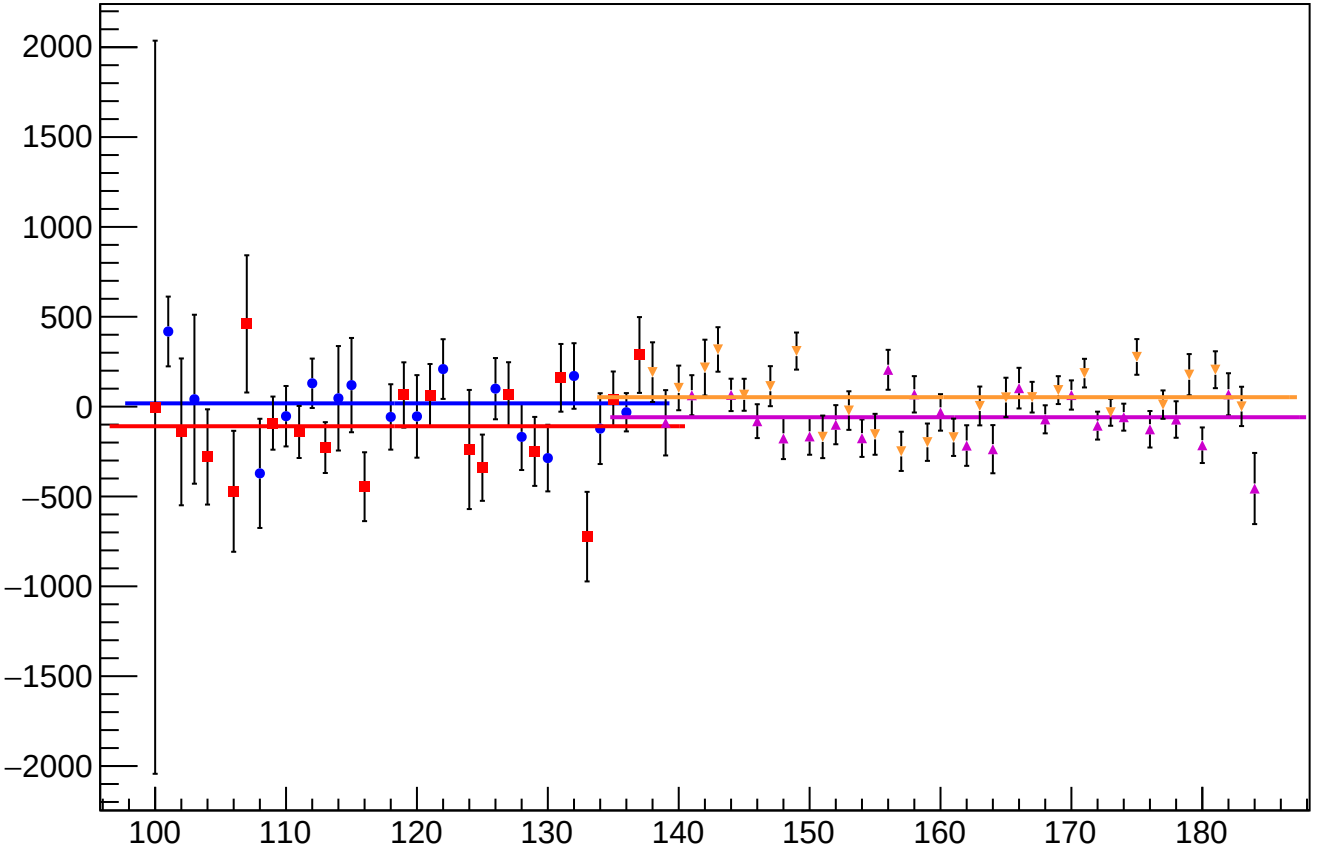
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 871.095+/-0.128 χ^2/NDF: 6143739.9/39

All: 865.895+/-0.091 χ^2/NDF: 12321542.5/81

- sign 860.685+/-0.129 χ^2/NDF: 6174519.1/41

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

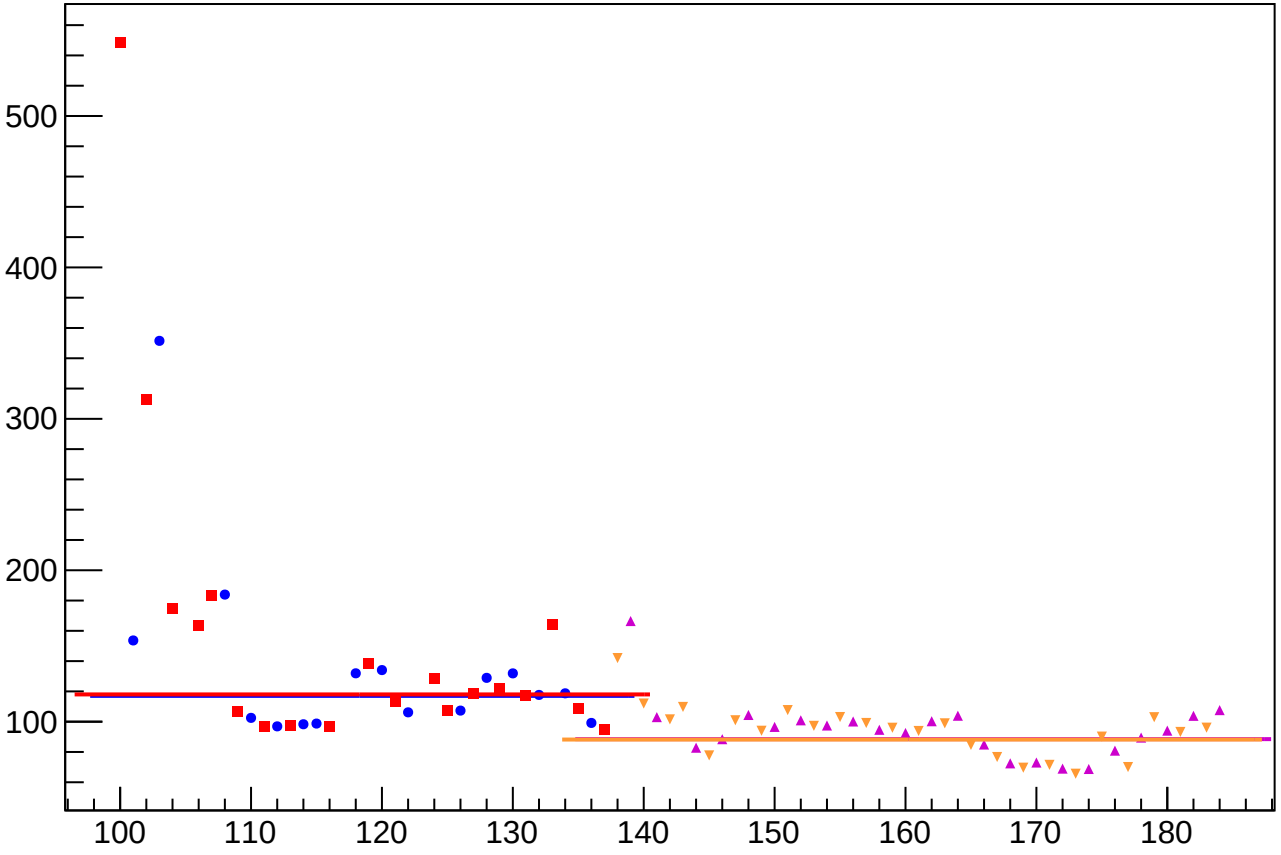
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 46.667+/-18.842 χ^2/NDF: 66.3/39

All: -9.476+/-13.451 χ^2/NDF: 141.4/81

- sign -67.824+/-19.208 χ^2/NDF: 57.0/41

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

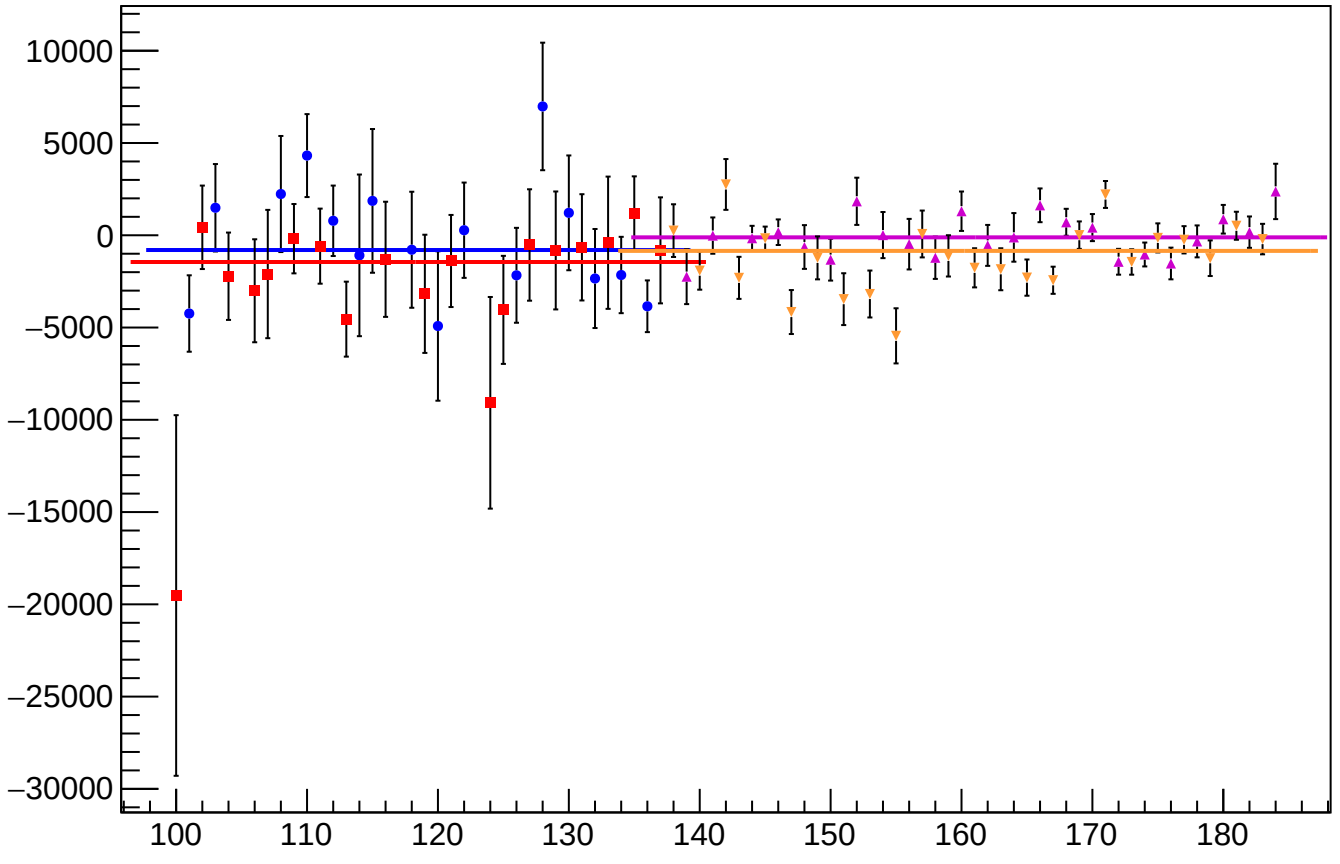
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.110+/-0.013 χ^2/NDF: 2676488.1/39

All: 93.384+/-0.010 χ^2/NDF: 5423822.8/81

- sign 93.669+/-0.014 χ^2/NDF: 2746471.3/41



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

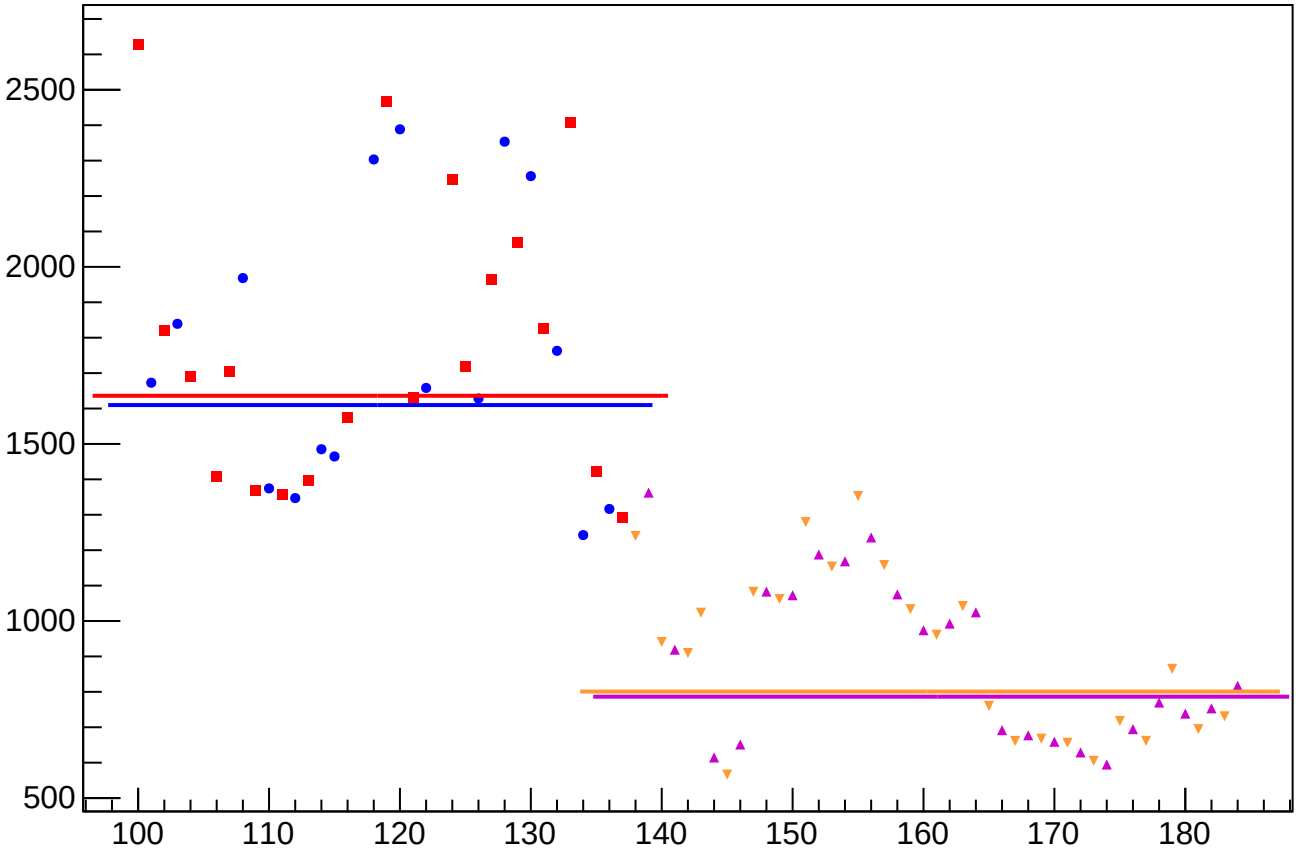
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -842.322+/-181.578 χ^2/NDF: 93.0/39

All: -536.150+/-128.457 χ^2/NDF: 142.5/81

- sign -229.380+/-181.755 χ^2/NDF: 43.8/41

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

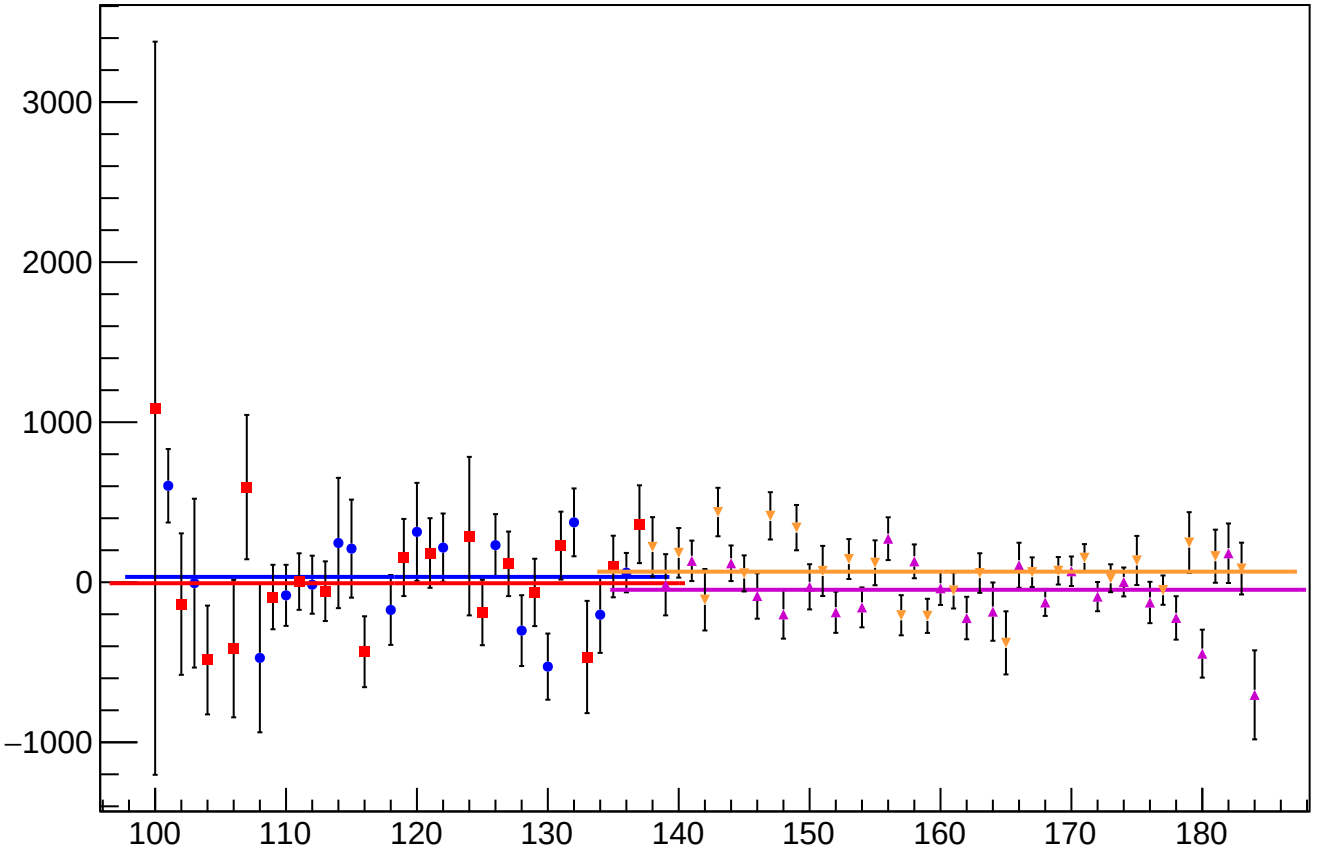
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 871.095+/-0.128 χ^2/NDF: 6143739.9/39

All: 865.895+/-0.091 χ^2/NDF: 12321542.5/81

- sign 860.685+/-0.129 χ^2/NDF: 6174519.1/41

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

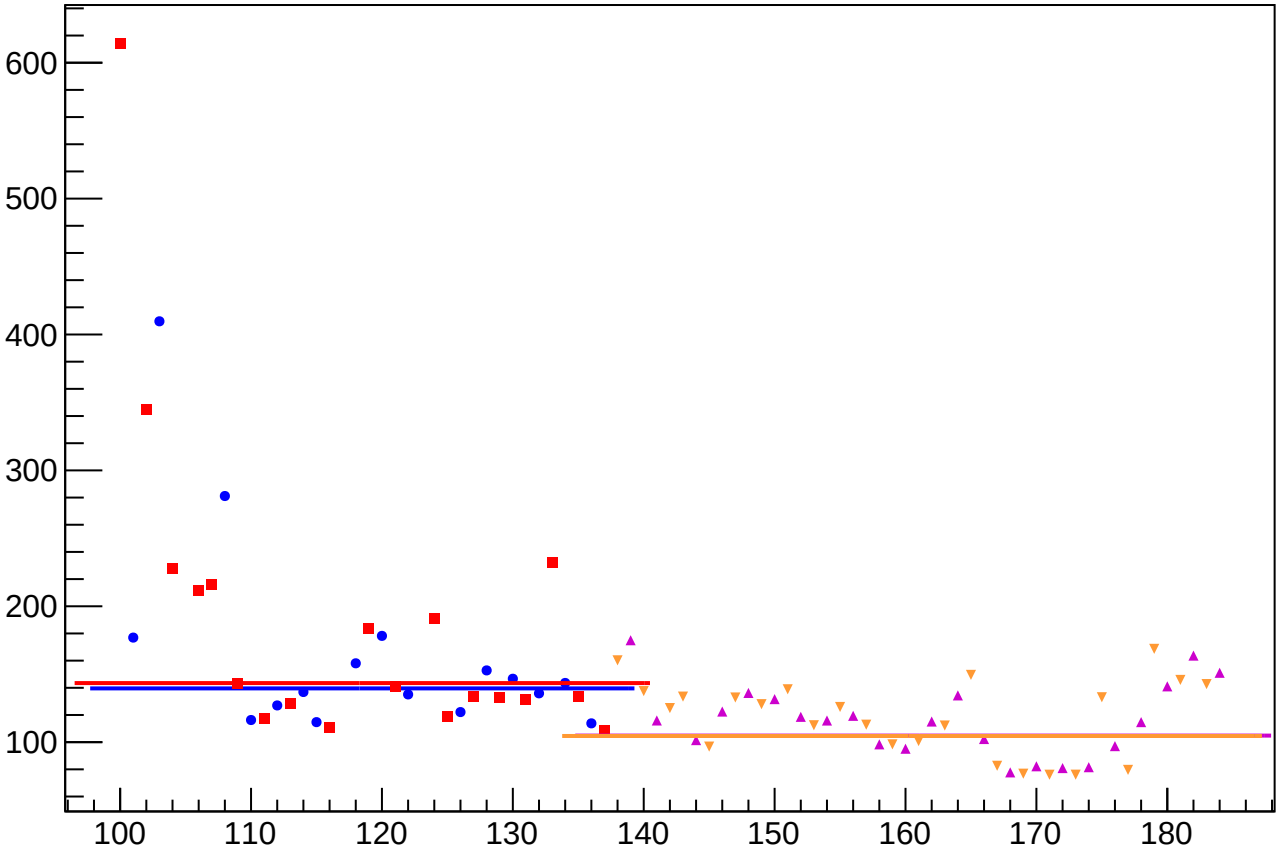
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 60.530+/-22.886 χ^2/NDF: 65.5/39

All: 11.329+/-16.348 χ^2/NDF: 131.3/81

- sign -39.938+/-23.361 χ^2/NDF: 56.4/41

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

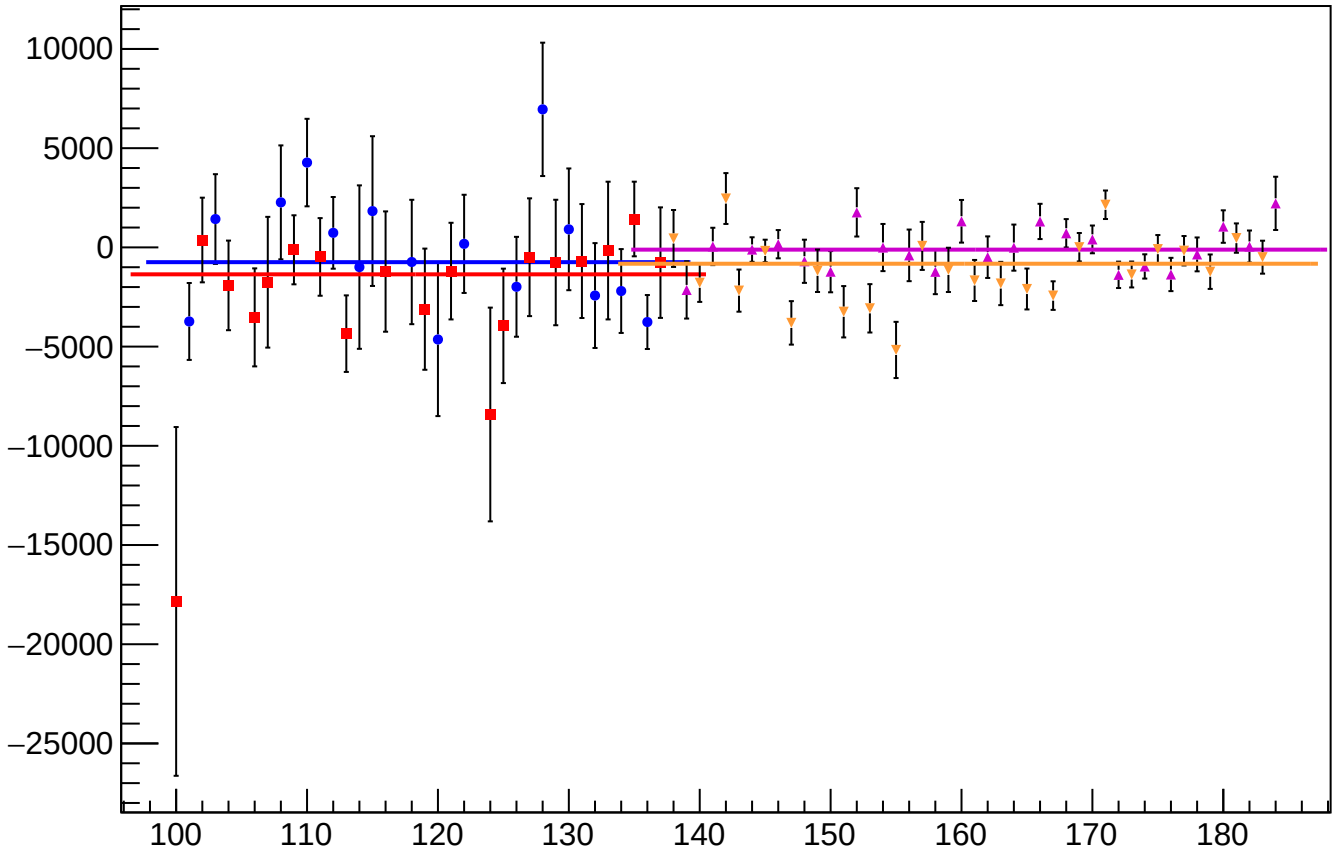
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 110.636+/-0.016 χ^2/NDF: 3869247.3/39

All: 111.078+/-0.012 χ^2/NDF: 7386604.0/81

- sign 111.538+/-0.017 χ^2/NDF: 3515835.8/41



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

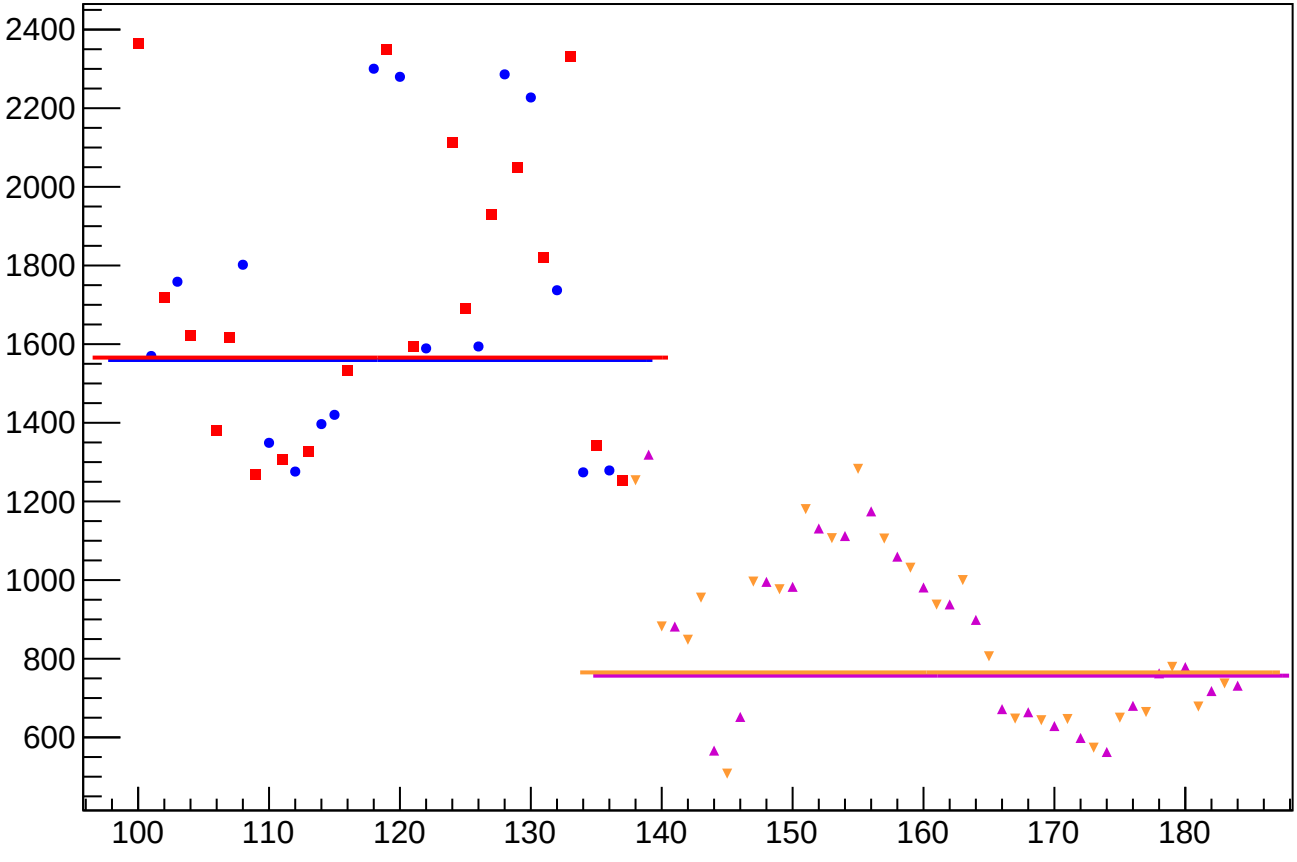
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -817.272+/-173.453 χ^2/NDF: 91.6/39

All: -523.122+/-123.118 χ^2/NDF: 141.4/81

- sign -224.440+/-174.785 χ^2/NDF: 43.9/41

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

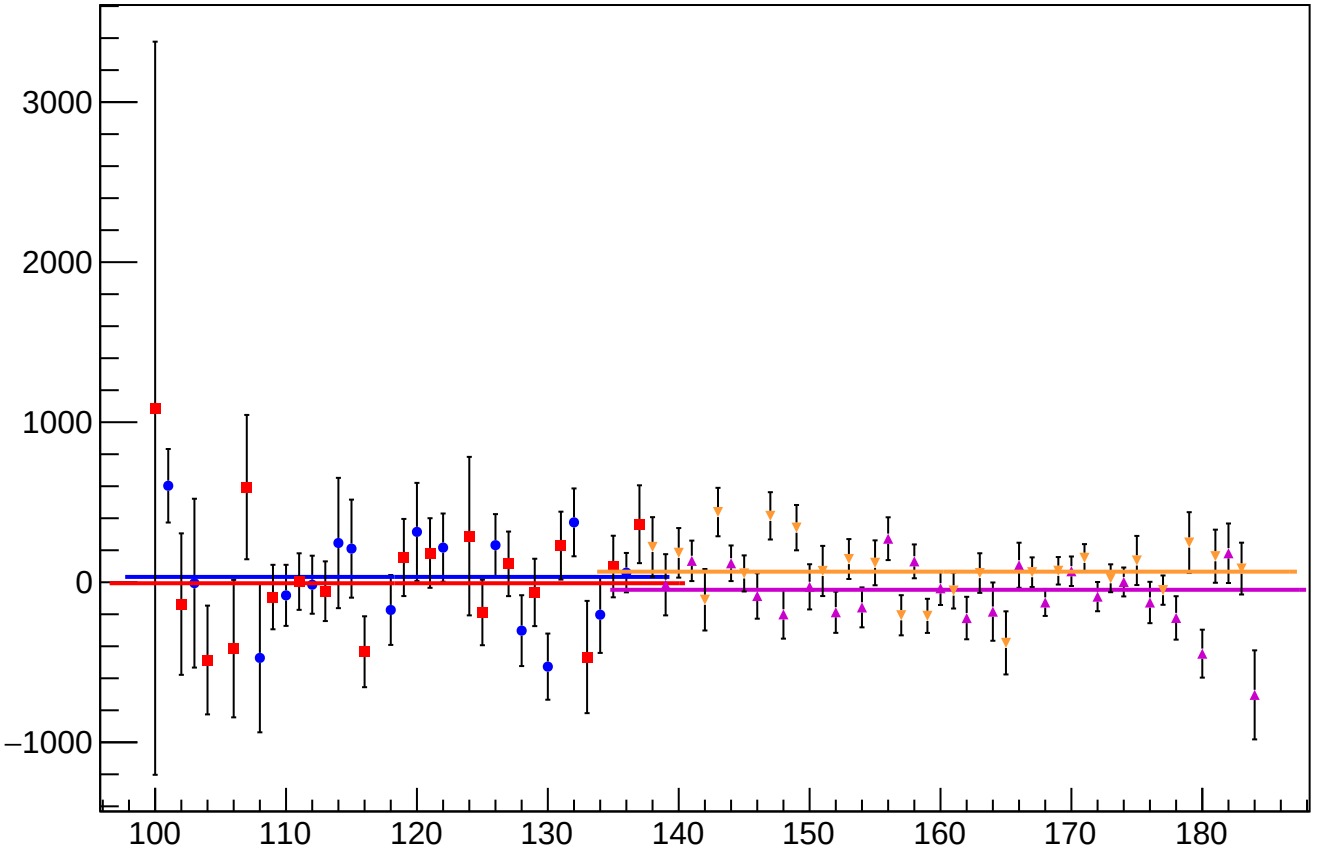
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 832.538+/-0.123 χ^2/NDF: 6284133.5/39

All: 830.750+/-0.087 χ^2/NDF: 12437428.0/81

- sign 828.934+/-0.124 χ^2/NDF: 6152866.2/41

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

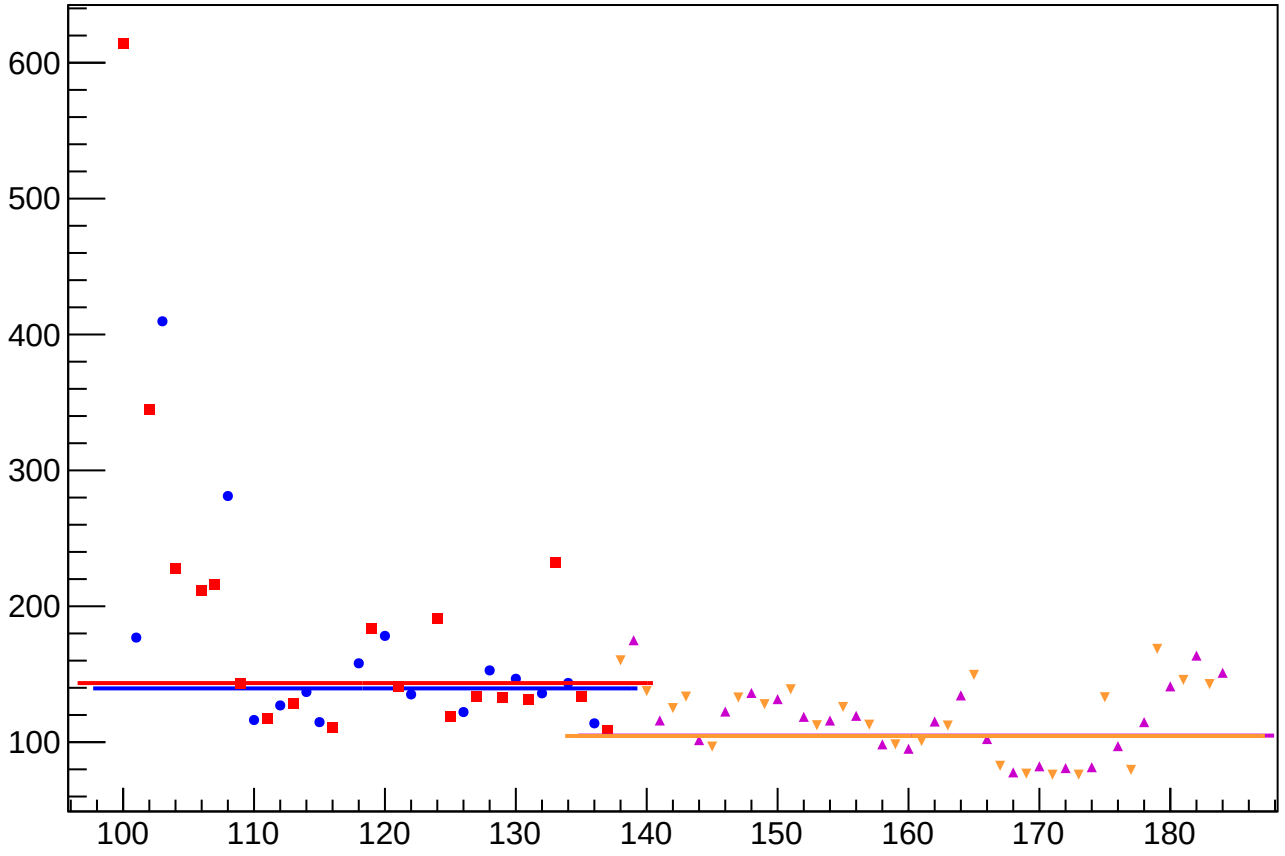
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 60.531+/-22.886 χ^2/NDF: 65.5/39

All: 11.330+/-16.348 χ^2/NDF: 131.3/81

- sign -39.937+/-23.361 χ^2/NDF: 56.4/41

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

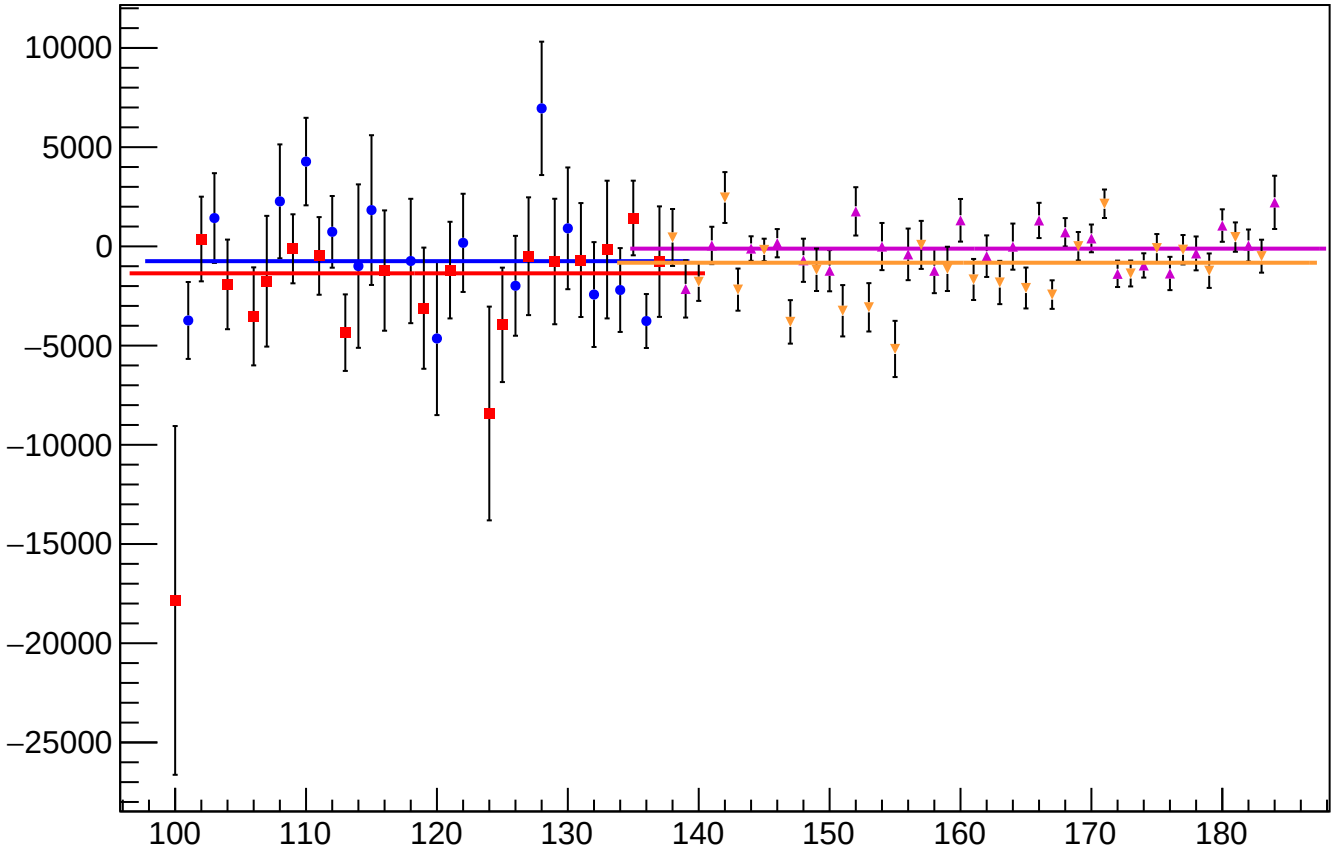
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 110.637+/-0.016 χ^2/NDF: 3869265.0/39

All: 111.078+/-0.012 χ^2/NDF: 7386637.9/81

- sign 111.539+/-0.017 χ^2/NDF: 3515852.0/41

asym_sam3_eigen_dit_correction_mean vs Slug



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

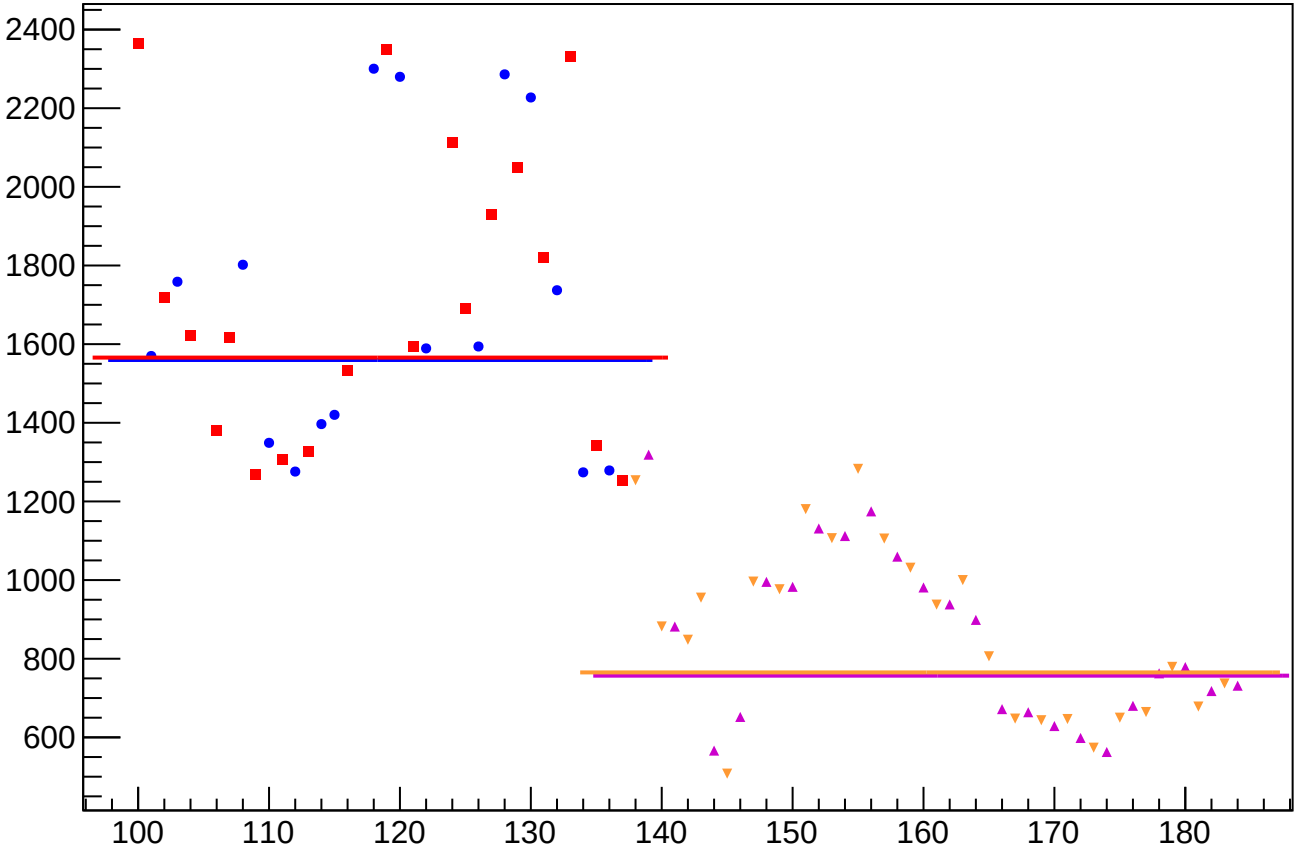
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -817.272+/-173.453 χ^2/NDF: 91.6/39

All: -523.122+/-123.118 χ^2/NDF: 141.4/81

- sign -224.440+/-174.784 χ^2/NDF: 43.9/41

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

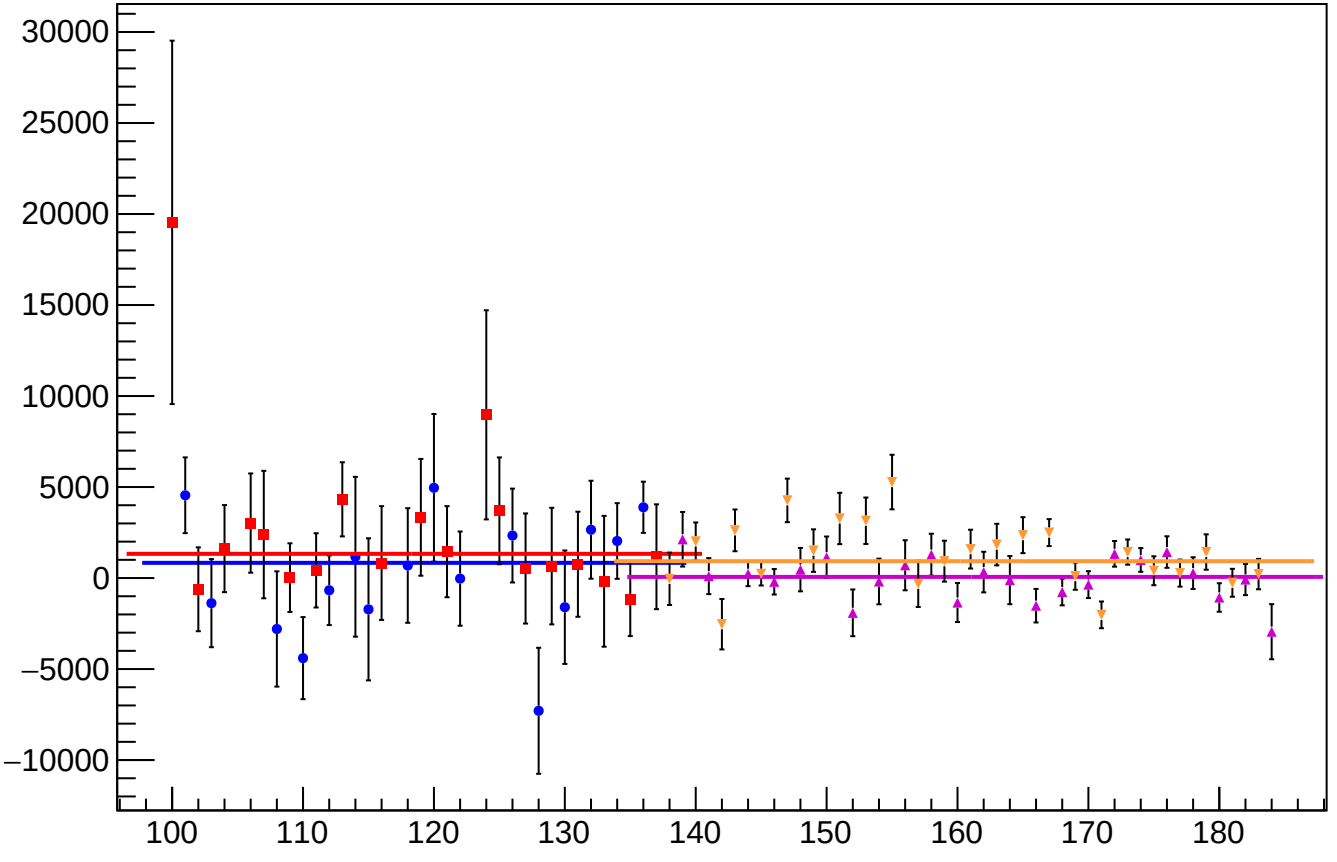
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 832.538+/-0.123 χ^2/NDF: 6284125.5/39

All: 830.749+/-0.087 χ^2/NDF: 12437409.4/81

- sign 828.934+/-0.124 χ^2/NDF: 6152855.6/41

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

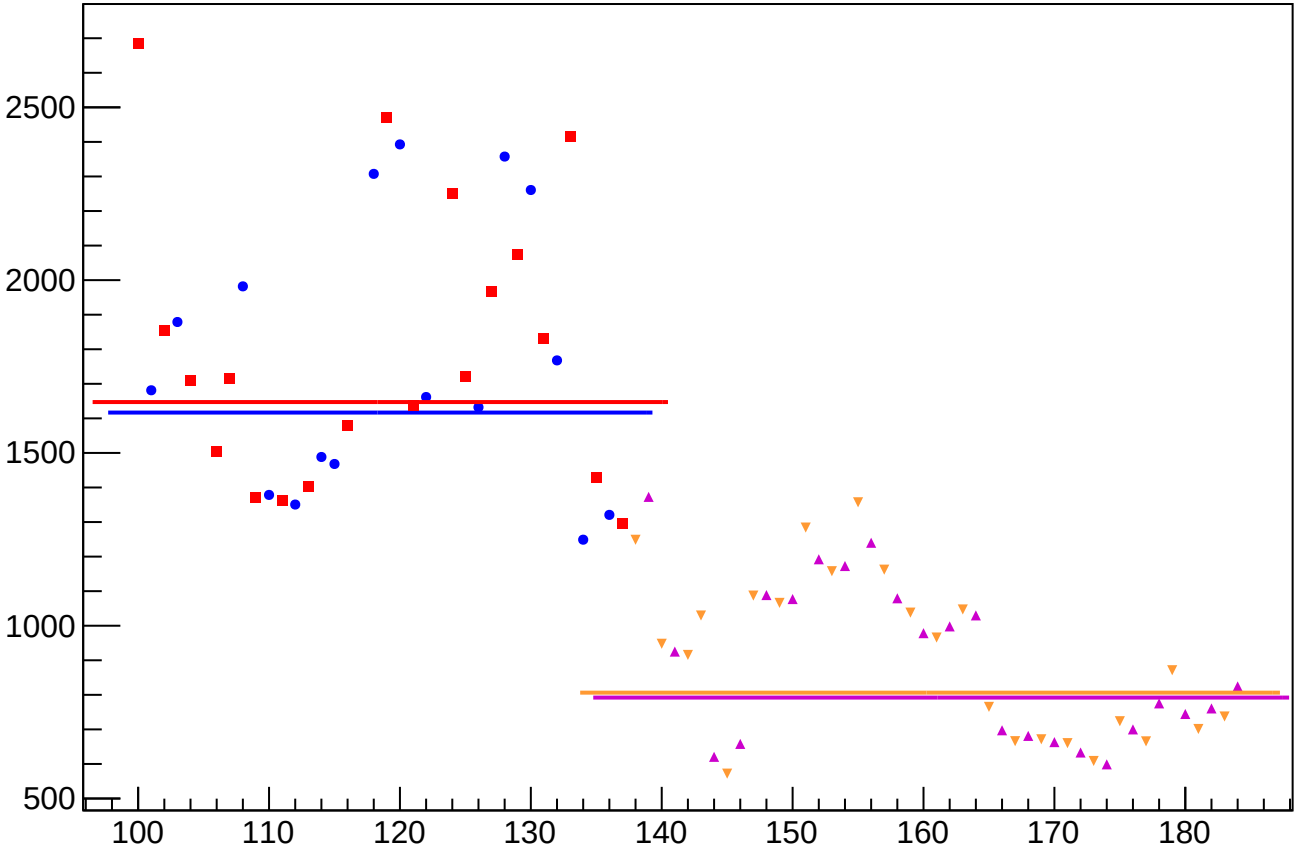
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 917.971+/-182.750 χ^2/NDF: 89.4/39

All: 546.594+/-129.299 χ^2/NDF: 140.7/81

- sign 174.353+/-182.962 χ^2/NDF: 43.1/41

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

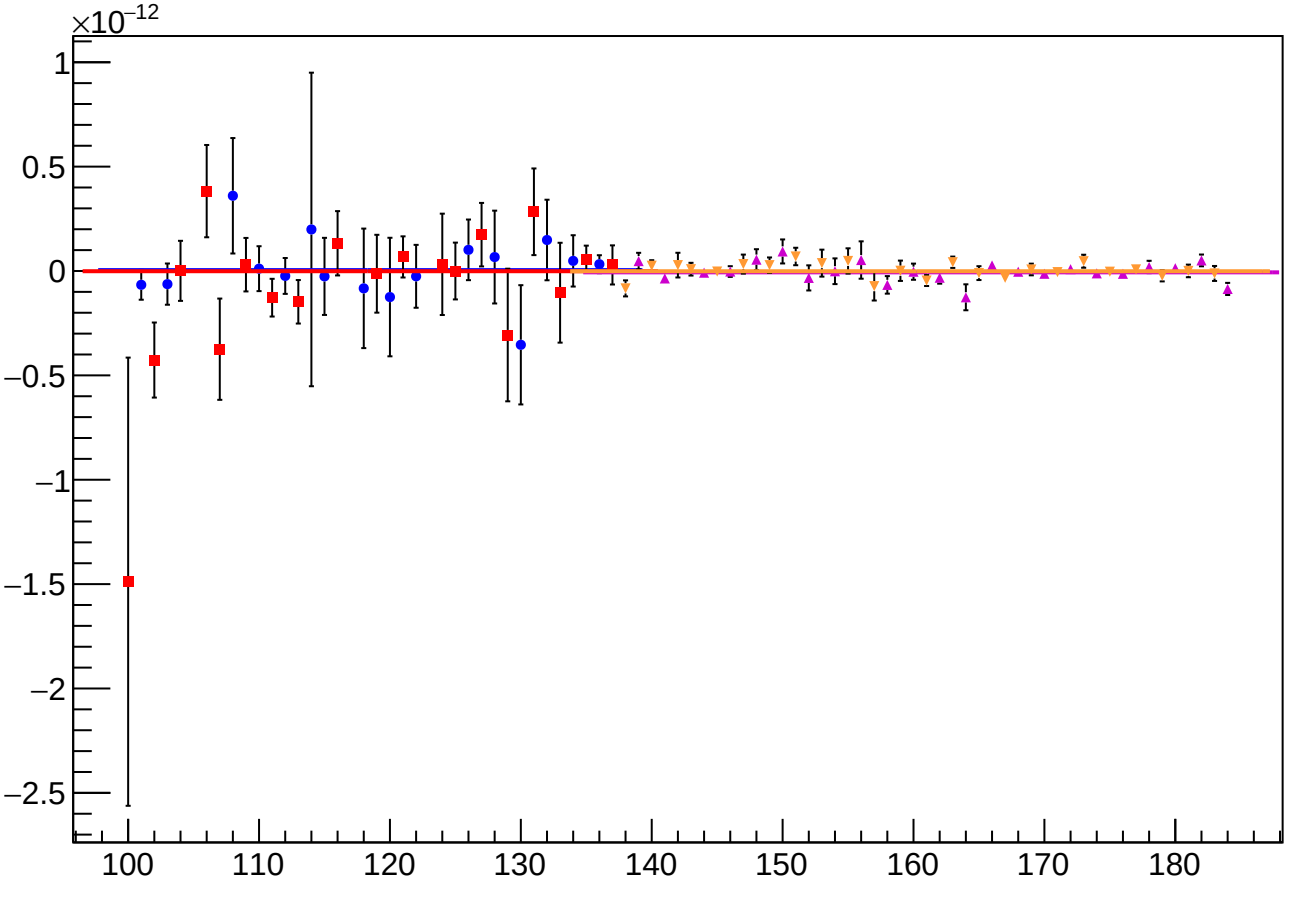
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 877.045+/-0.129 χ^2/NDF: 6106604.2/39

All: 872.227+/-0.091 χ^2/NDF: 12278897.1/81

- sign 867.398+/-0.129 χ^2/NDF: 6169509.4/41

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/23

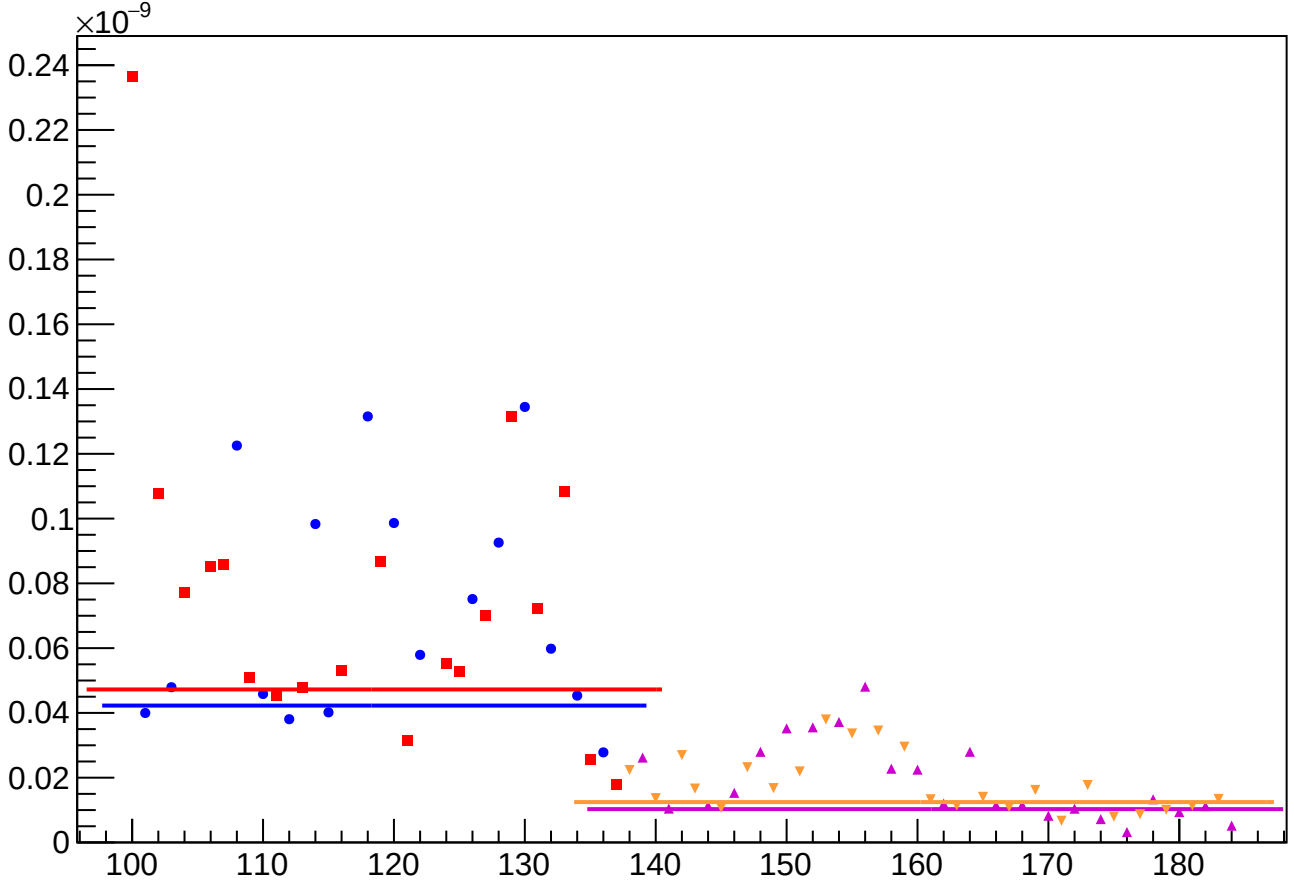
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.5/39

All: -0.000+/-0.000 χ^2/NDF: 86.0/81

- sign -0.000+/-0.000 χ^2/NDF: 55.0/41



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

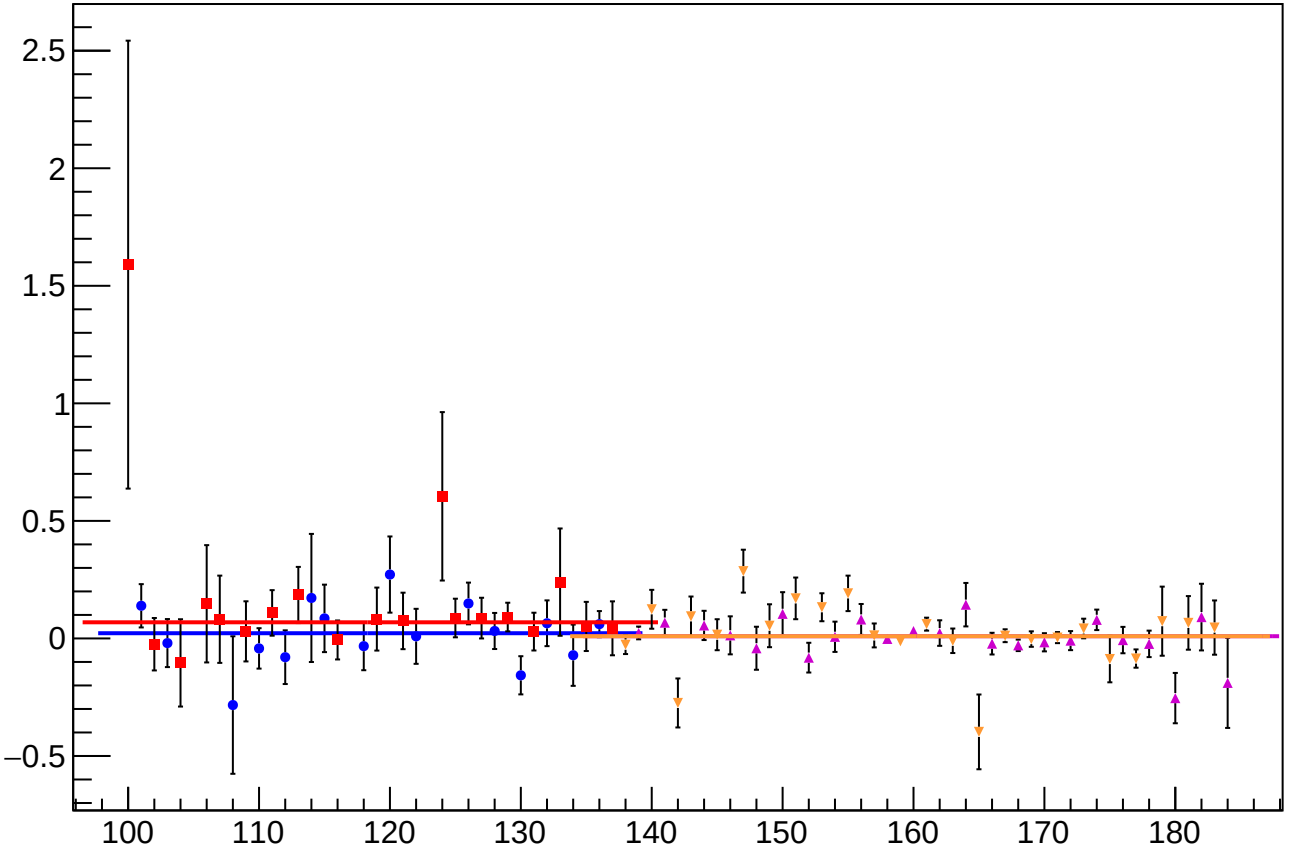
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5659983.1/39

All: 0.000+/-0.000 χ^2/NDF: 13850618.0/81

- sign 0.000+/-0.000 χ^2/NDF: 7984880.7/41

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

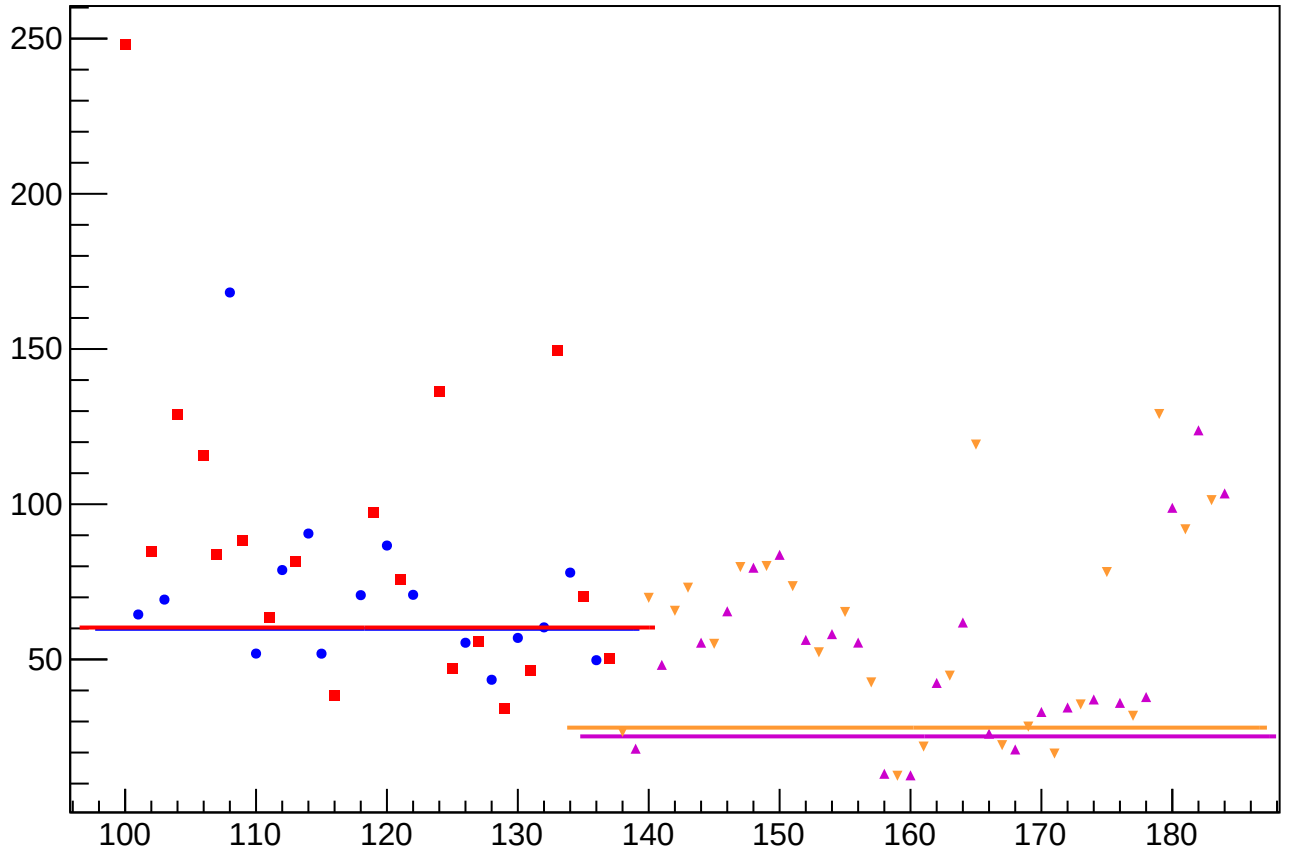
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.1/39

All: 0.013+/-0.005 χ^2/NDF: 110.1/81

- sign 0.015+/-0.008 χ^2/NDF: 39.8/41



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

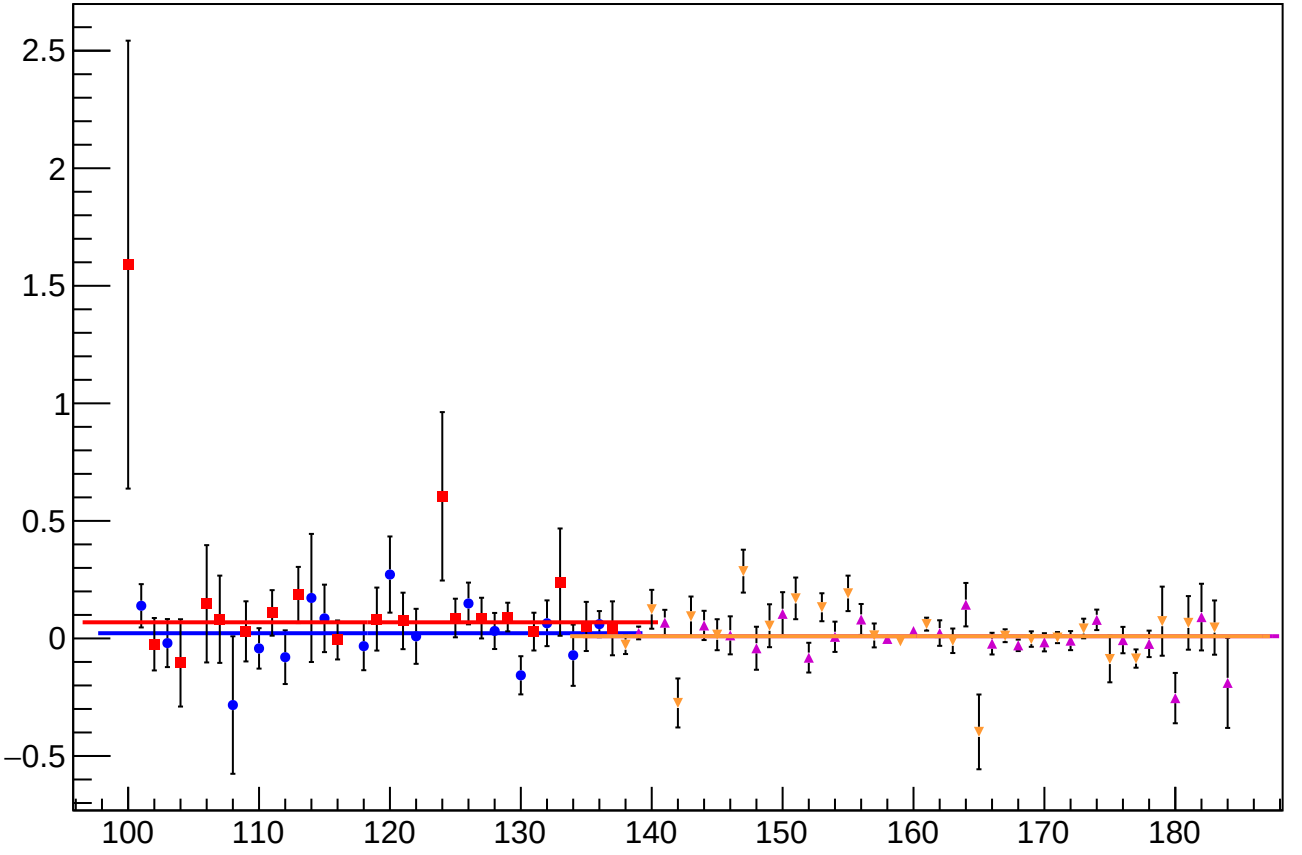
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.381+/-0.006 χ^2/NDF: 14457027.2/39

All: 29.776+/-0.004 χ^2/NDF: 30056093.4/81

- sign 28.344+/-0.005 χ^2/NDF: 15446956.8/41

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

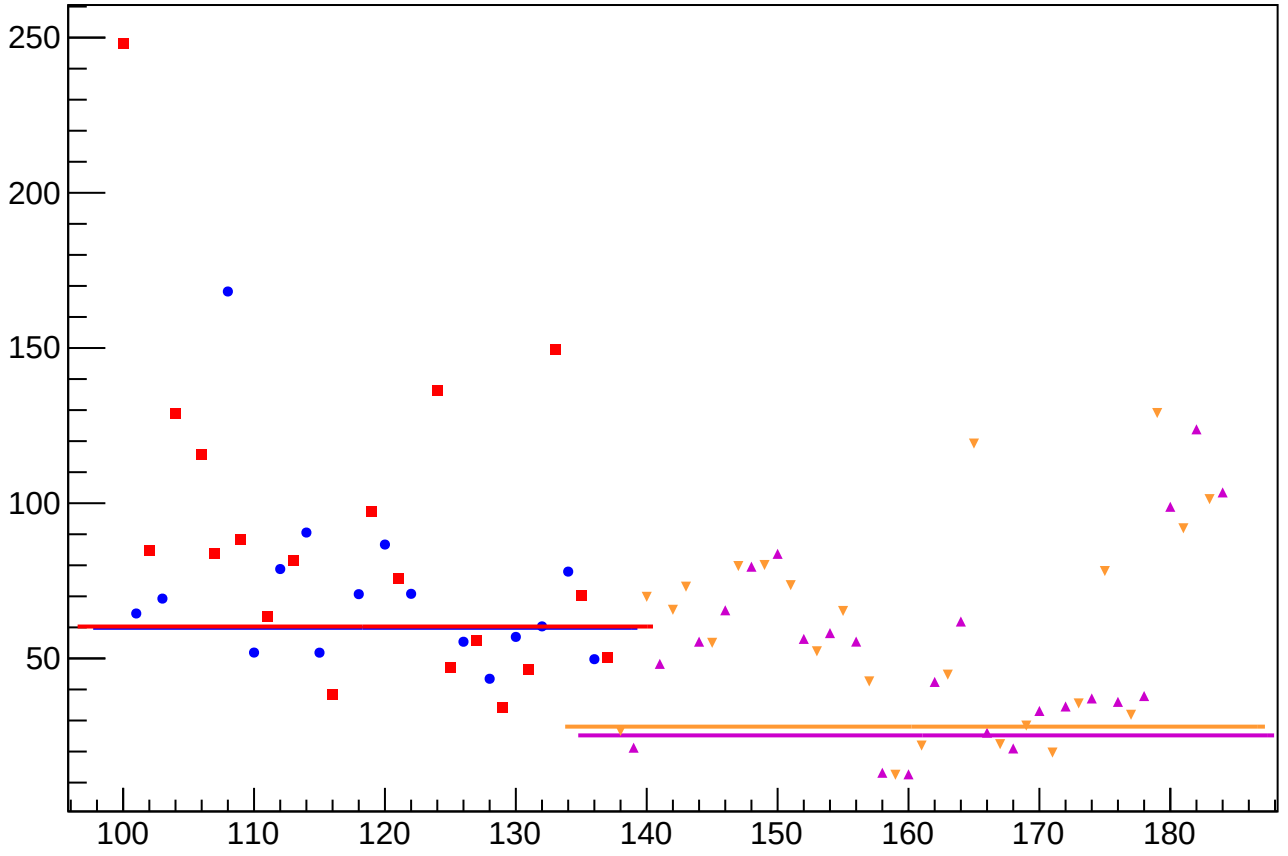
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.1/39

All: 0.013+/-0.005 χ^2/NDF: 110.1/81

- sign 0.015+/-0.008 χ^2/NDF: 39.8/41

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

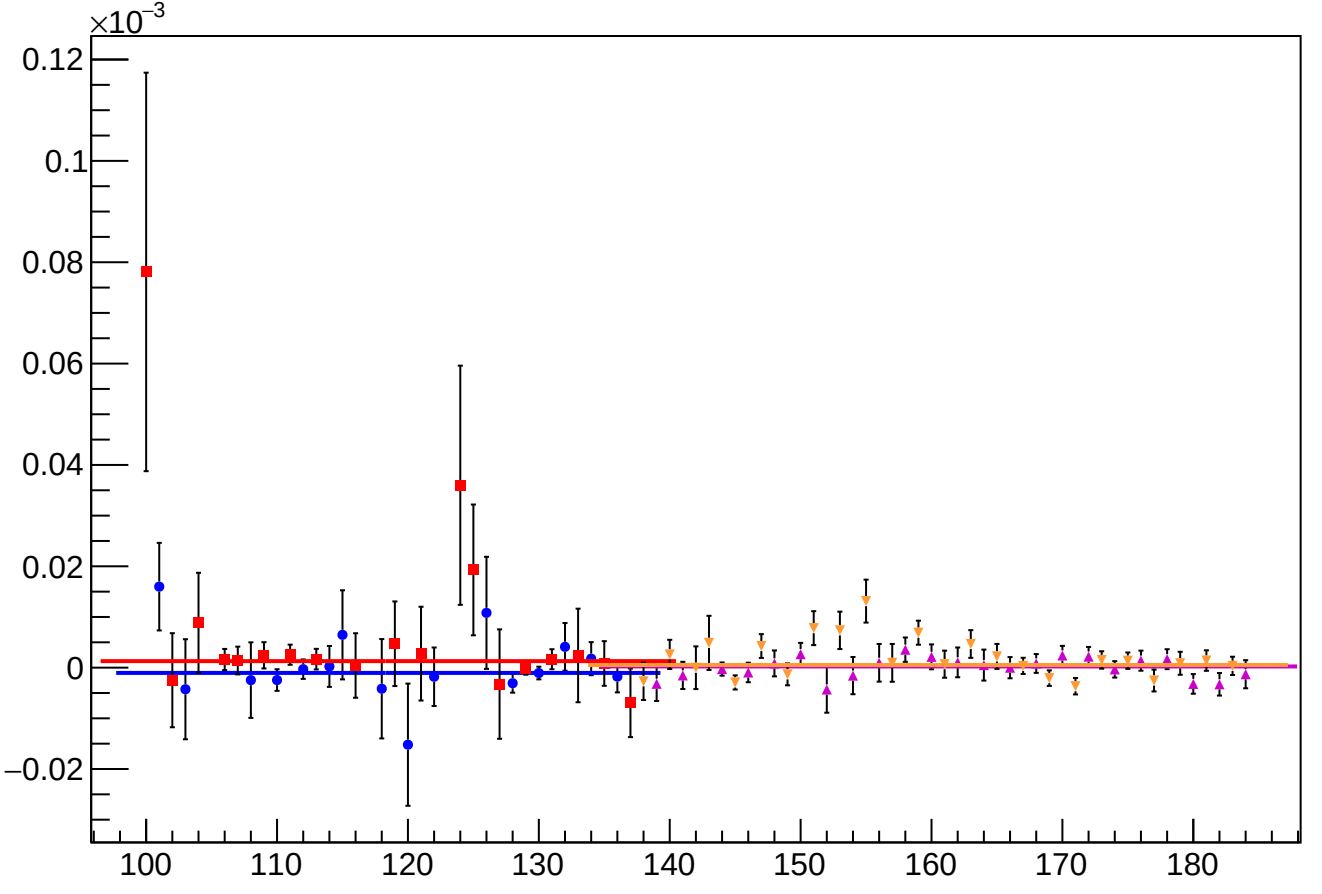
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

\+ sign 31.381+/-0.006 χ^2/NDF: 14457027.2/39

All: 29.776+/-0.004 χ^2/NDF: 30056093.4/81

\- sign 28.344+/-0.005 χ^2/NDF: 15446956.8/41

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

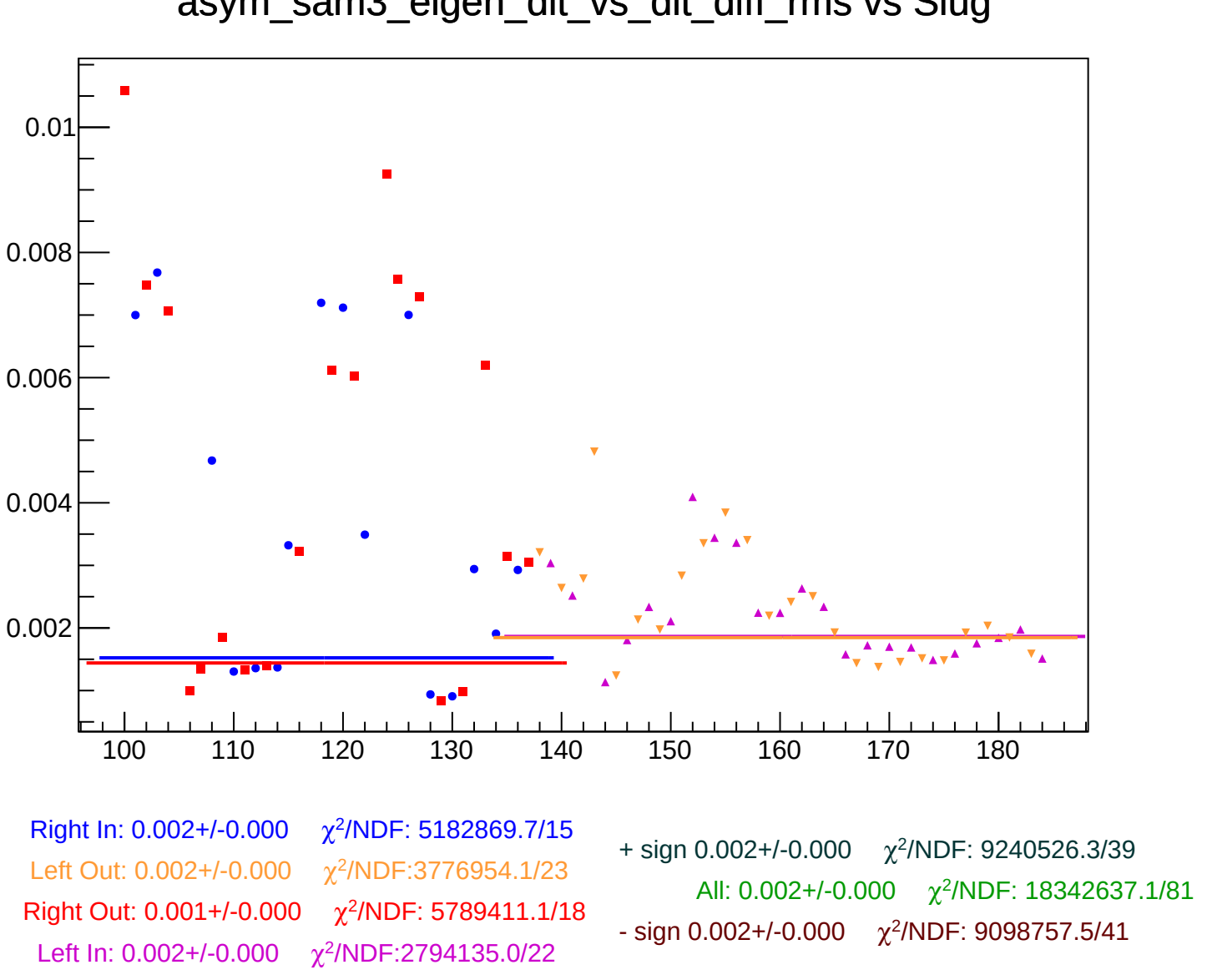
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

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

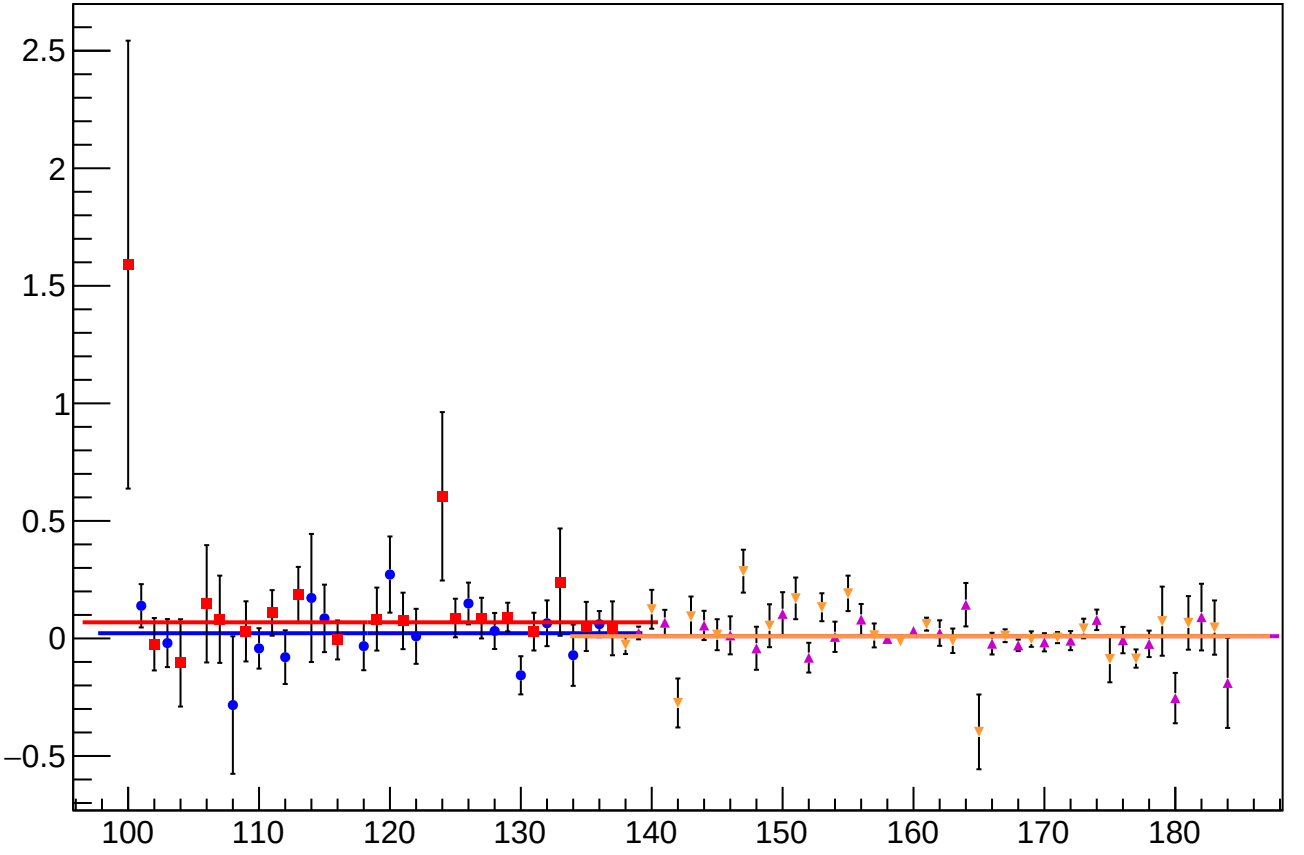
+ sign 0.000+/-0.000 χ^2/NDF: 65.2/39

All: 0.000+/-0.000 χ^2/NDF: 96.5/81

- sign 0.000+/-0.000 χ^2/NDF: 30.5/41


asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug
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: 5182869.7/15
Left Out: 0.002+/-0.000 χ²/NDF:3776954.1/23
Right Out: 0.001+/-0.000 χ²/NDF: 5789411.1/18
Left In: 0.002+/-0.000 χ²/NDF:2794135.0/22
+ sign 0.002+/-0.000 χ²/NDF: 9240526.3/39
All: 0.002+/-0.000 χ²/NDF: 18342637.1/81
- sign 0.002+/-0.000 χ²/NDF: 9098757.5/41

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

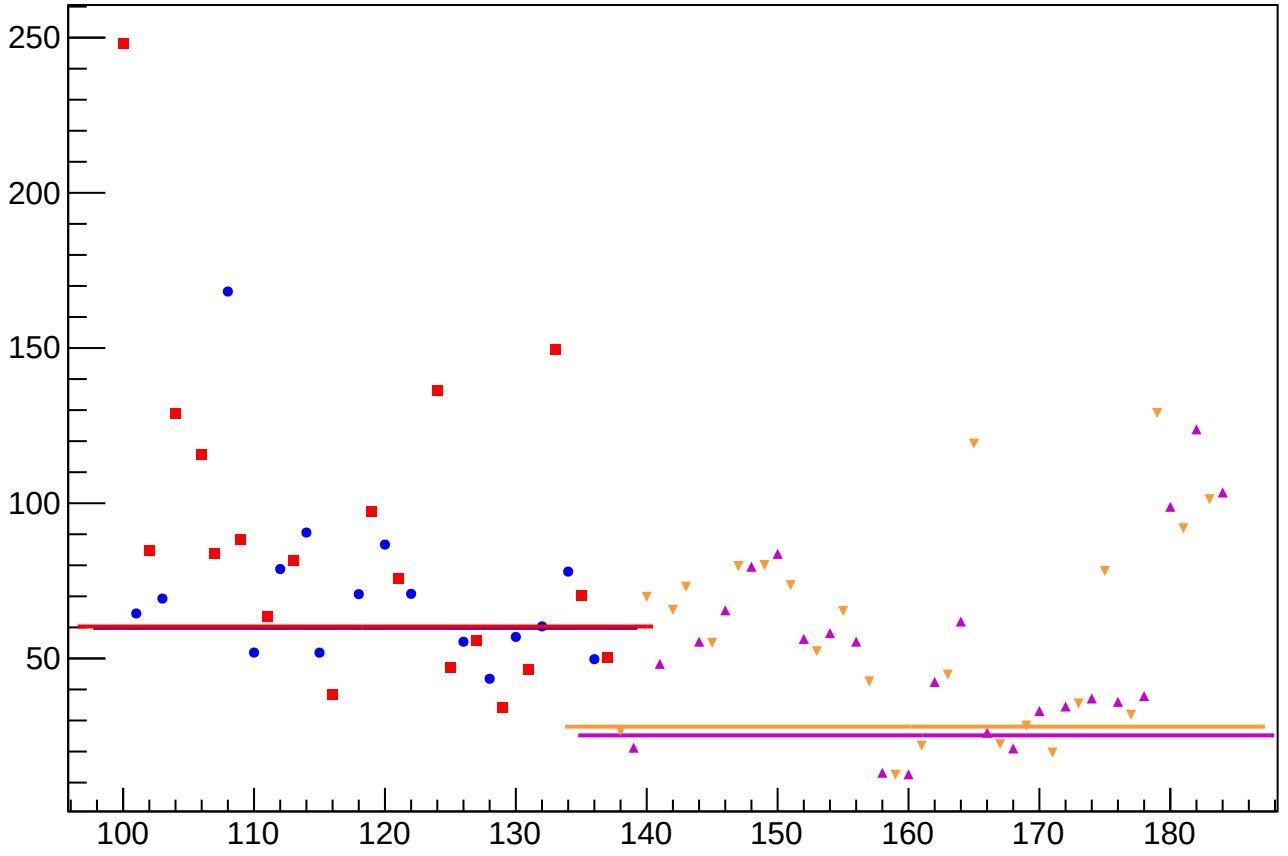
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.1/39

All: 0.013+/-0.005 χ^2/NDF: 110.1/81

- sign 0.015+/-0.008 χ^2/NDF: 39.8/41

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

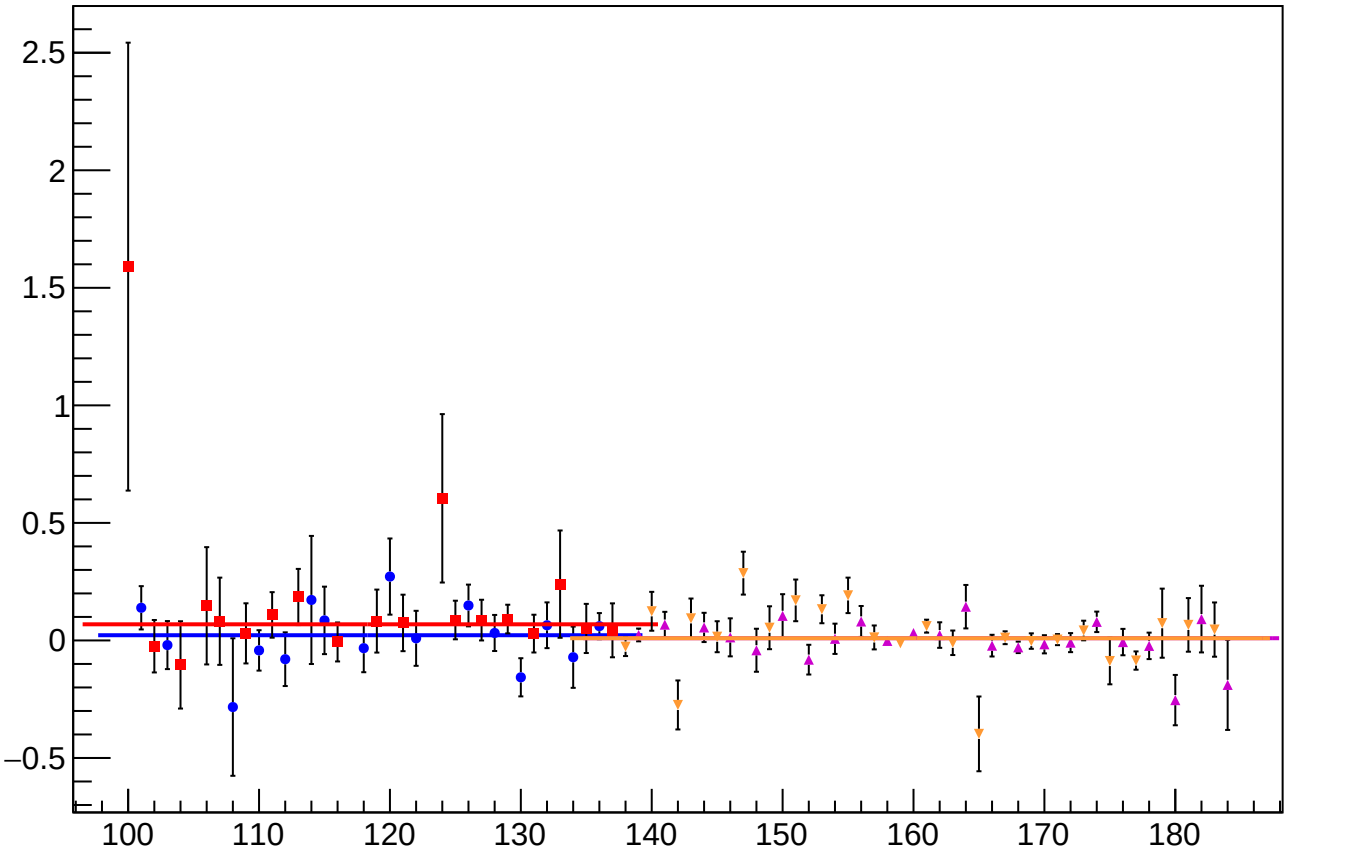
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.380+/-0.006 χ^2/NDF: 14458448.6/39

All: 29.775+/-0.004 χ^2/NDF: 30058107.8/81

- sign 28.343+/-0.005 χ^2/NDF: 15447627.8/41



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:54.4/23

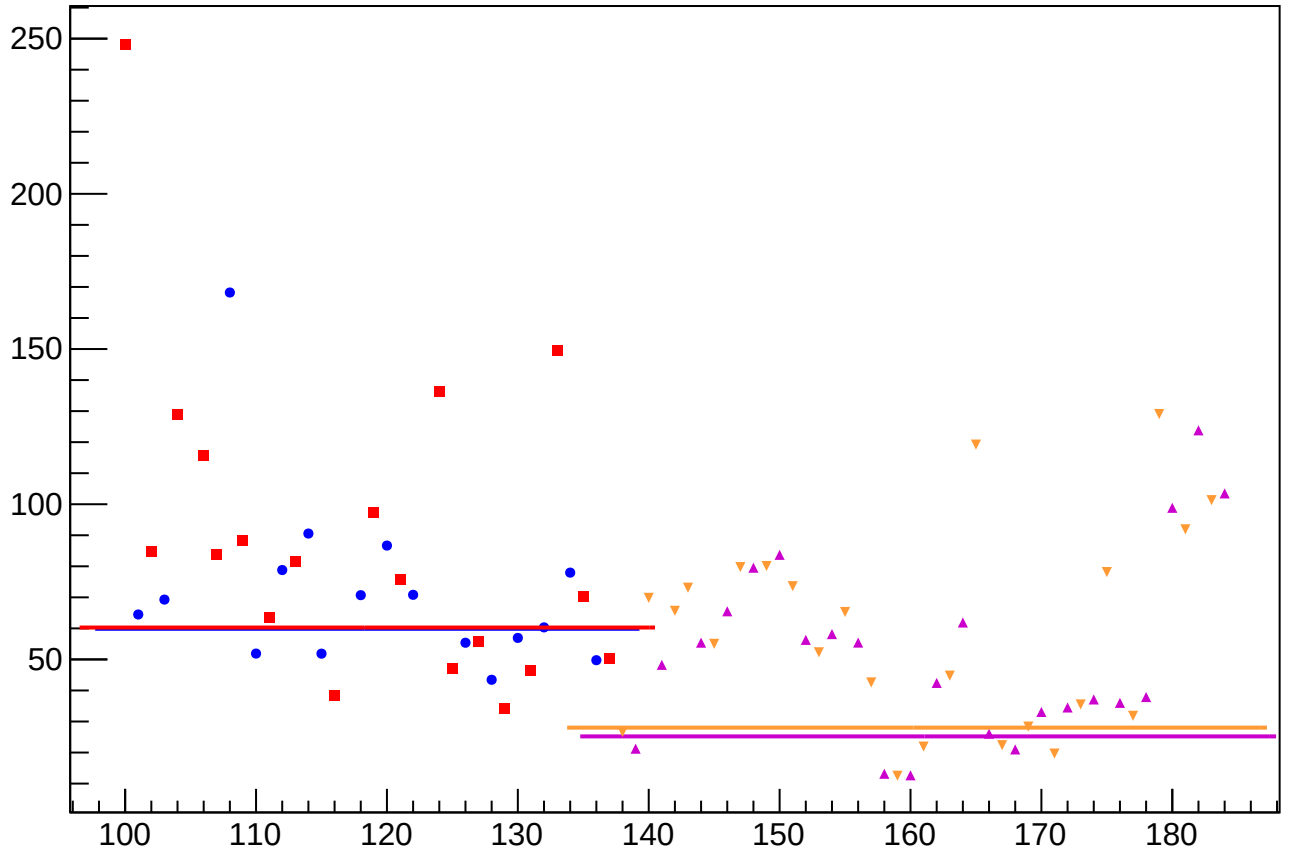
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.1/39

All: 0.013+/-0.005 χ^2/NDF: 110.1/81

- sign 0.015+/-0.008 χ^2/NDF: 39.8/41



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

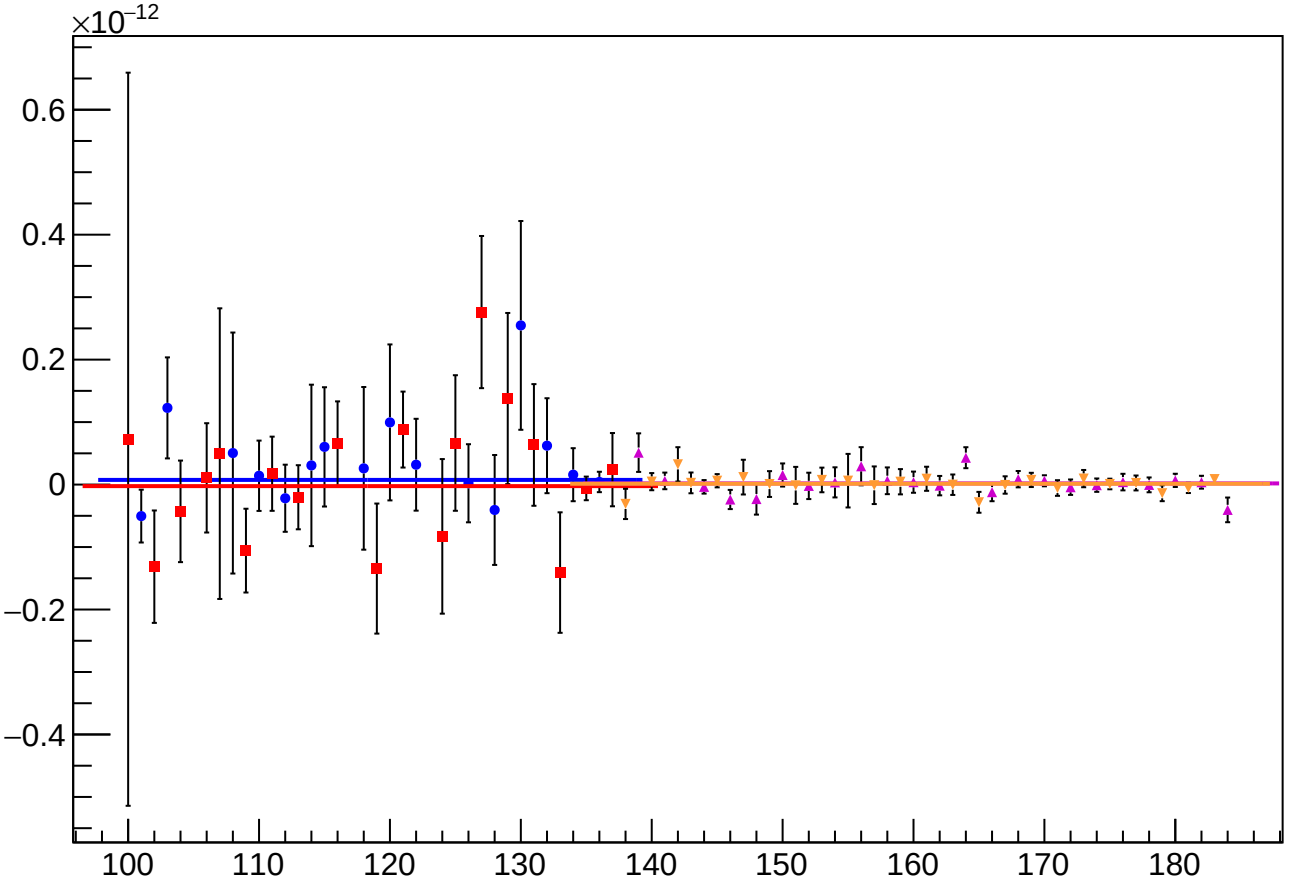
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.380+/-0.006 χ^2/NDF: 14458448.6/39

All: 29.775+/-0.004 χ^2/NDF: 30058107.8/81

- sign 28.343+/-0.005 χ^2/NDF: 15447627.8/41

asym_sam3_eigen_cor_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:11.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

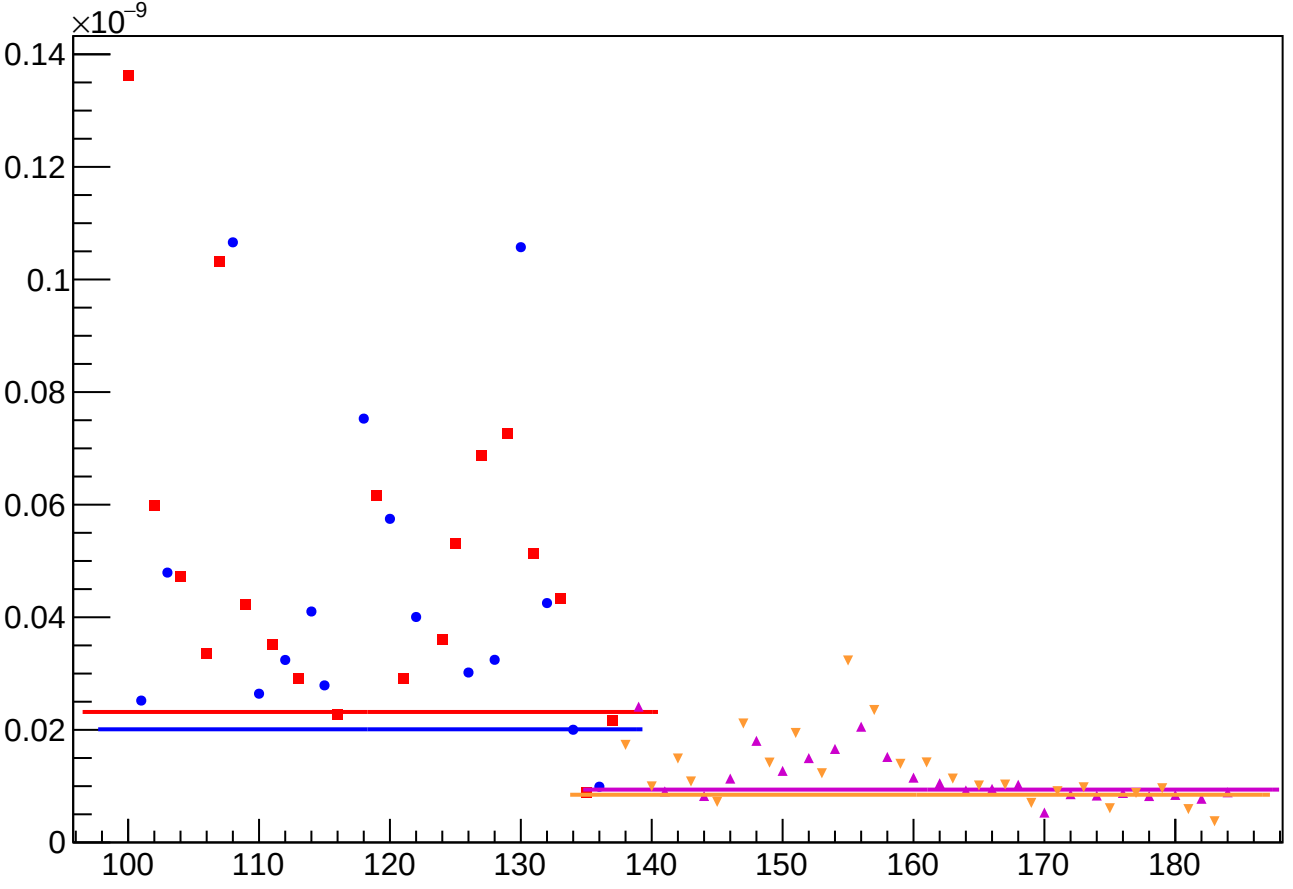
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19.9/39

All: 0.000+/-0.000 χ^2/NDF: 60.5/81

- sign 0.000+/-0.000 χ^2/NDF: 40.6/41

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

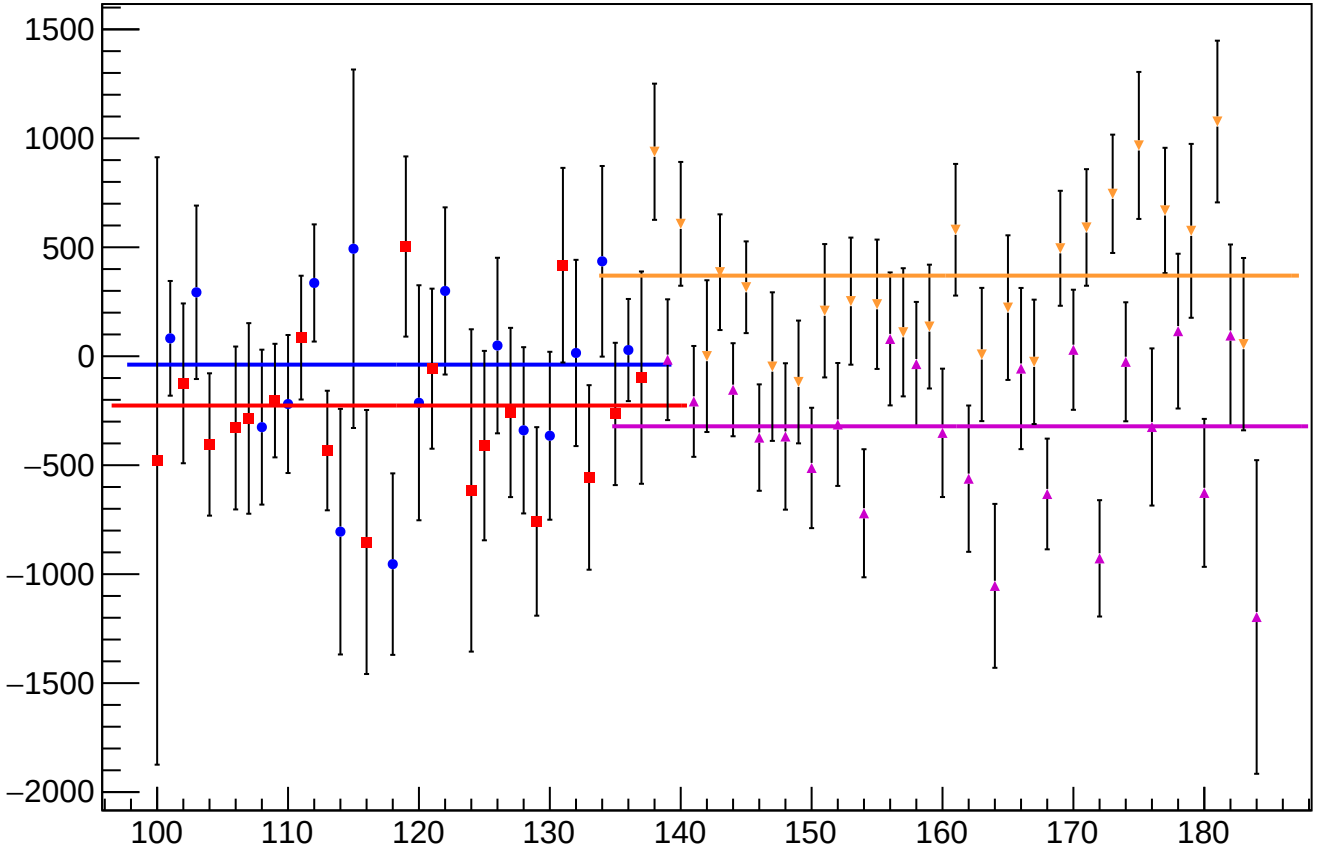
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9203927.1/39

All: 0.000+/-0.000 χ^2/NDF: 16985572.1/81

- sign 0.000+/-0.000 χ^2/NDF: 7662109.0/41

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

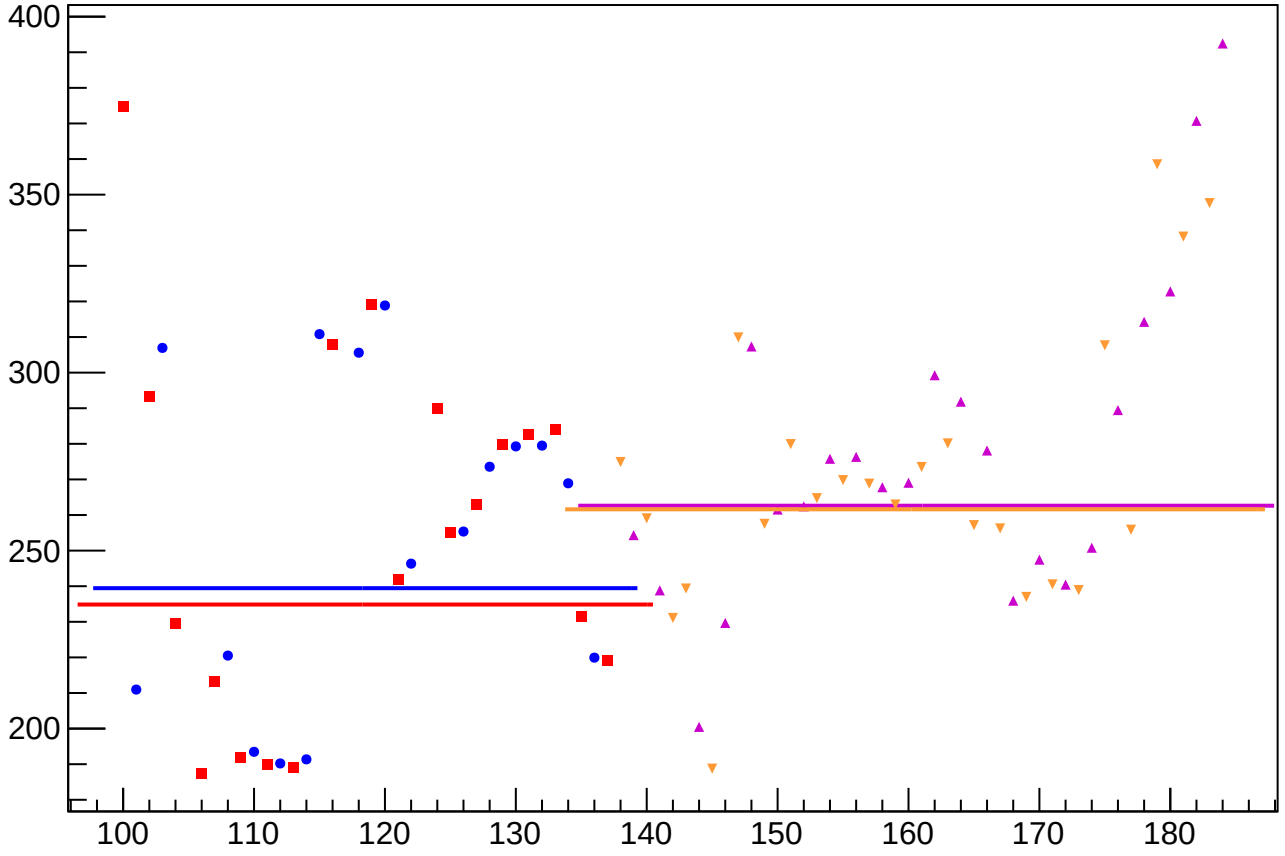
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 243.772+/-50.372 χ^2/NDF: 55.9/39

All: -21.115+/-35.744 χ^2/NDF: 150.0/81

- sign -289.761+/-50.728 χ^2/NDF: 38.4/41

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

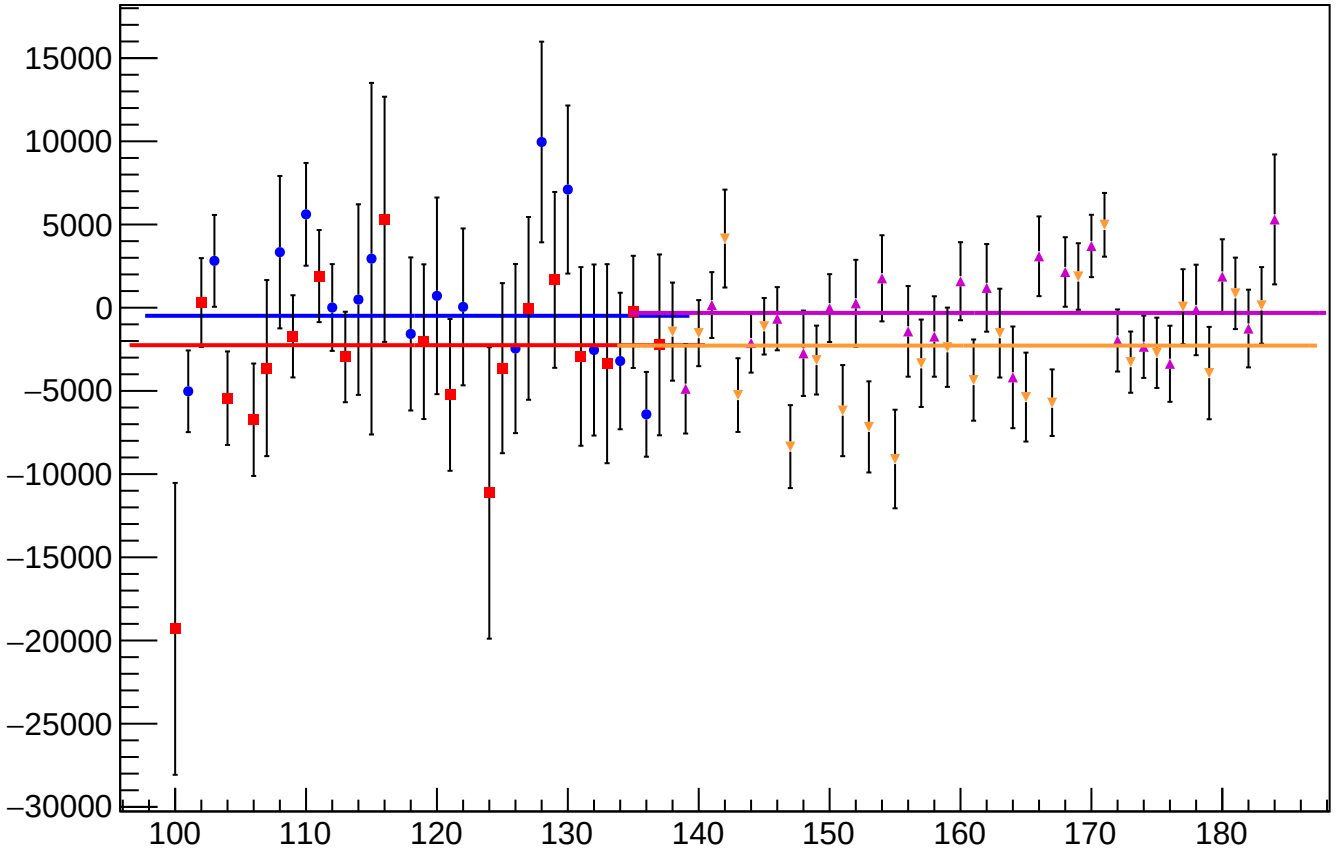
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 254.757+/-0.036 χ^2/NDF: 1198368.4/39

All: 254.069+/-0.025 χ^2/NDF: 2484524.1/81

- sign 253.372+/-0.036 χ^2/NDF: 1285404.5/41

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

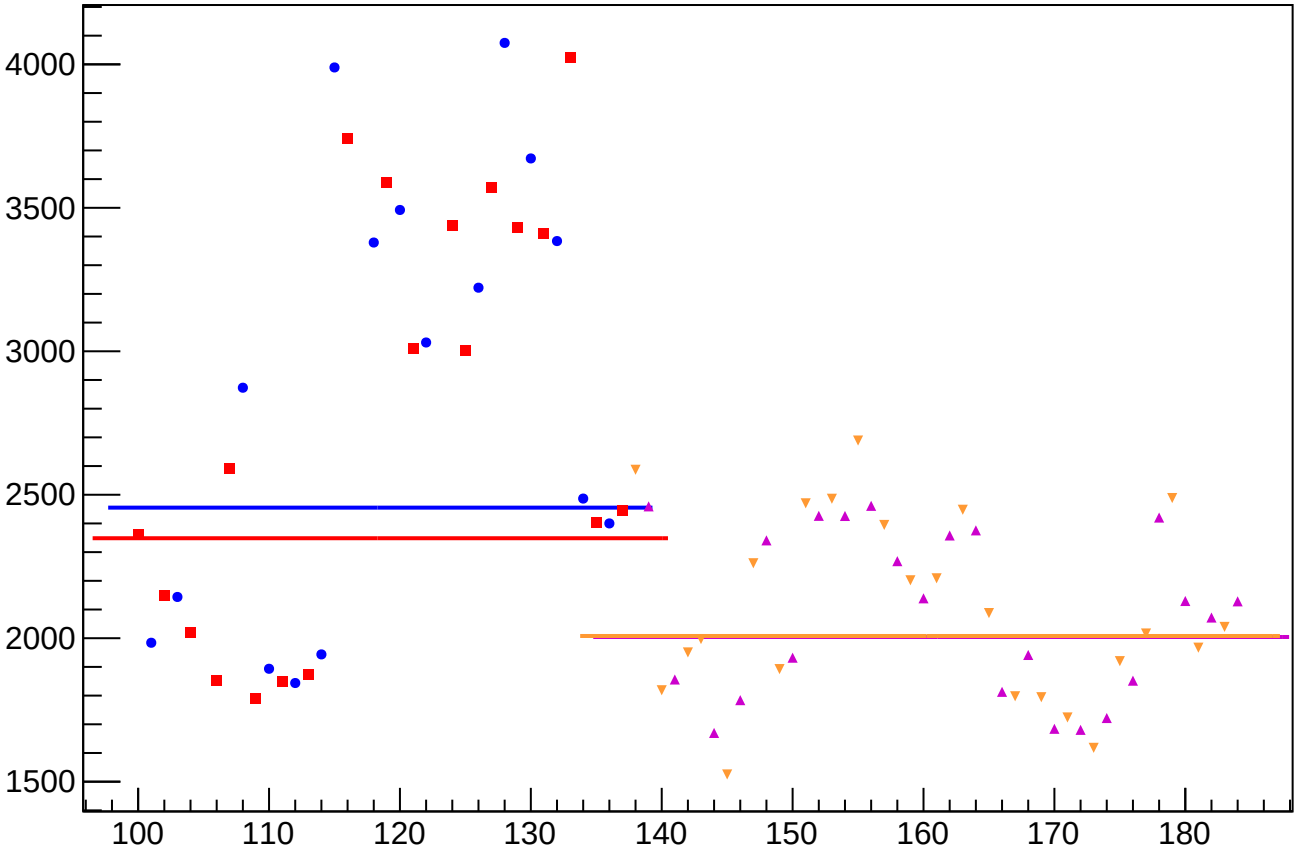
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1927.268+/-418.195 χ^2/NDF: 76.9/39

All: -1334.082+/-295.942 χ^2/NDF: 122.1/81

- sign -739.020+/-418.855 χ^2/NDF: 41.2/41

asym_sam4_reg_correction_rms vs Slug



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

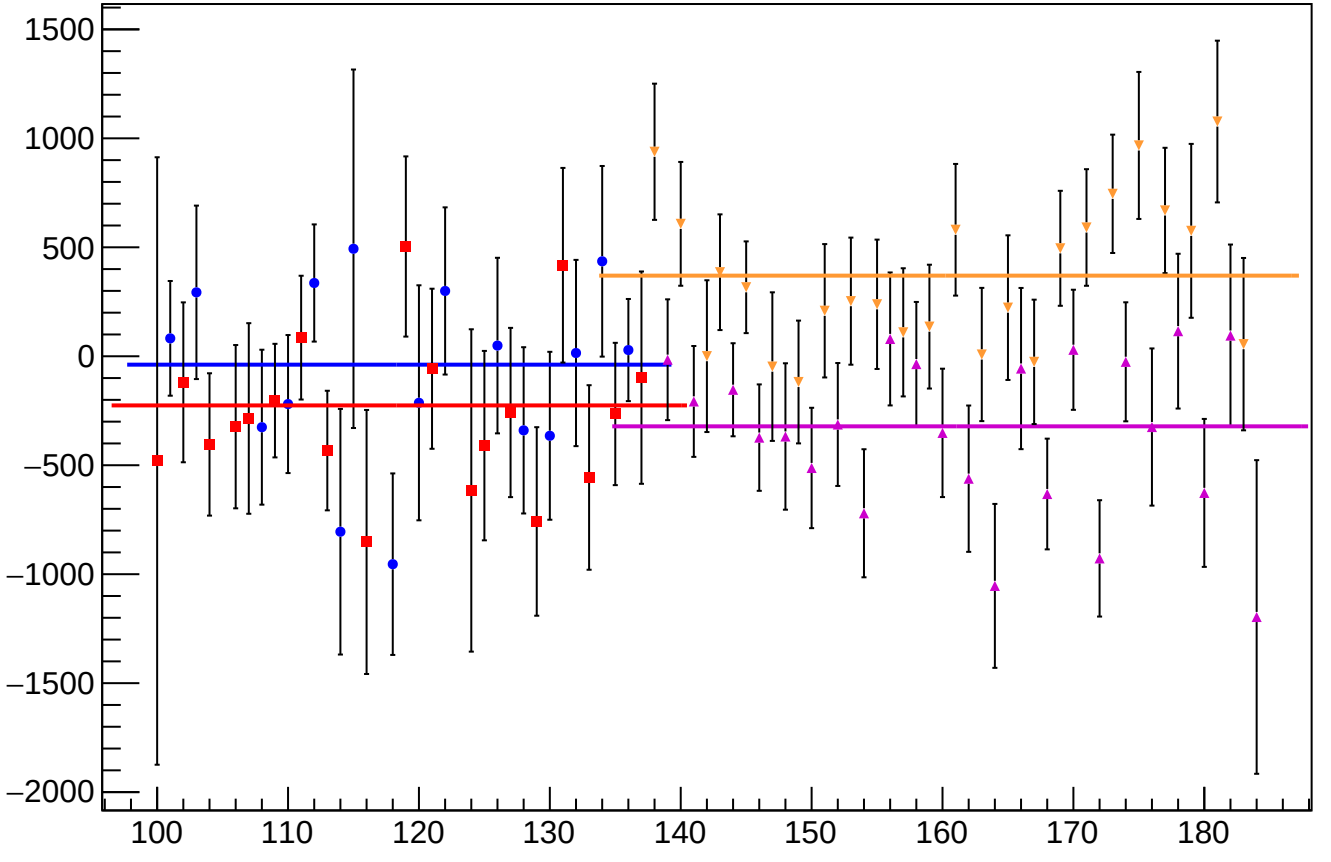
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2094.902+/-0.296 χ^2/NDF: 2131186.7/39

All: 2087.348+/-0.209 χ^2/NDF: 4121164.6/81

- sign 2079.771+/-0.296 χ^2/NDF: 1988670.8/41

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

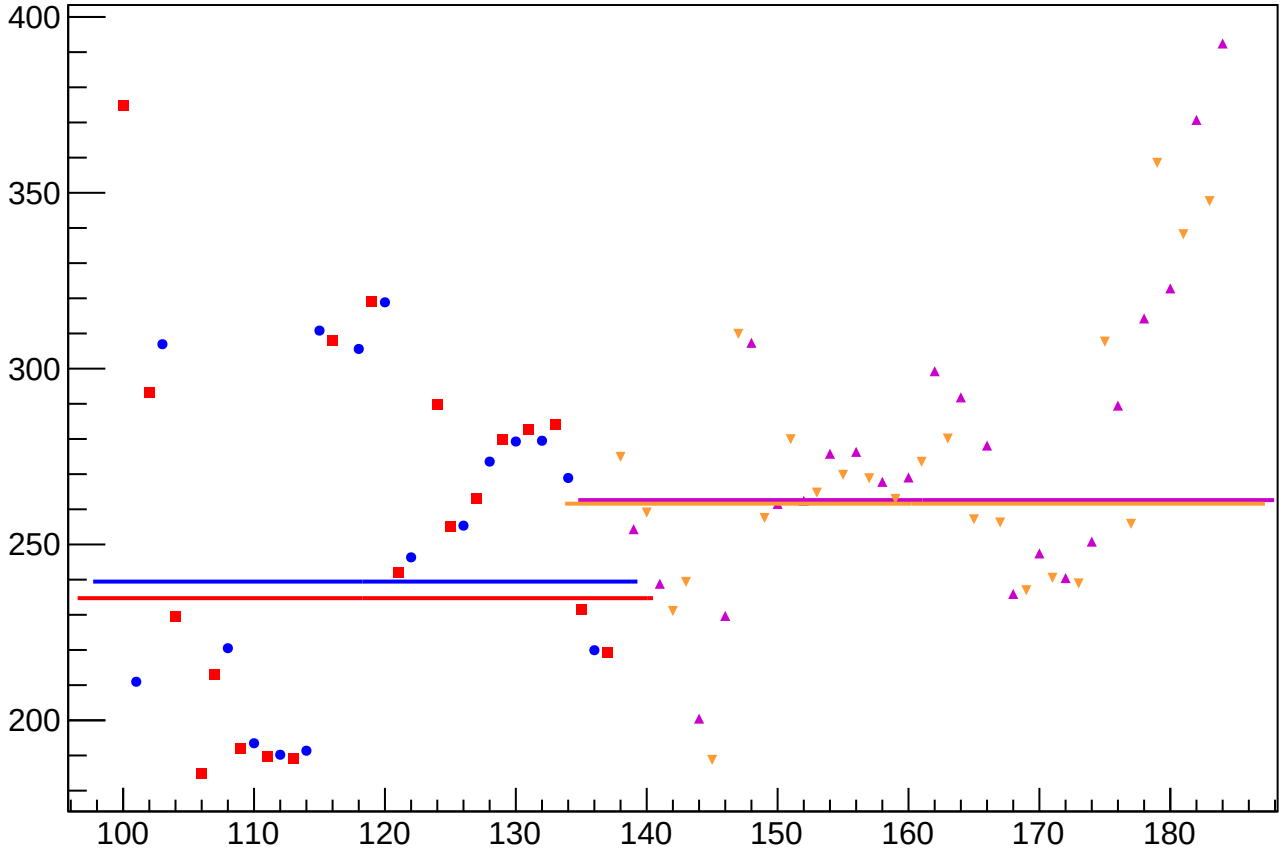
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 243.777+/-50.372 χ^2/NDF: 55.9/39

All: -20.996+/-35.744 χ^2/NDF: 150.0/81

- sign -289.554+/-50.731 χ^2/NDF: 38.4/41

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

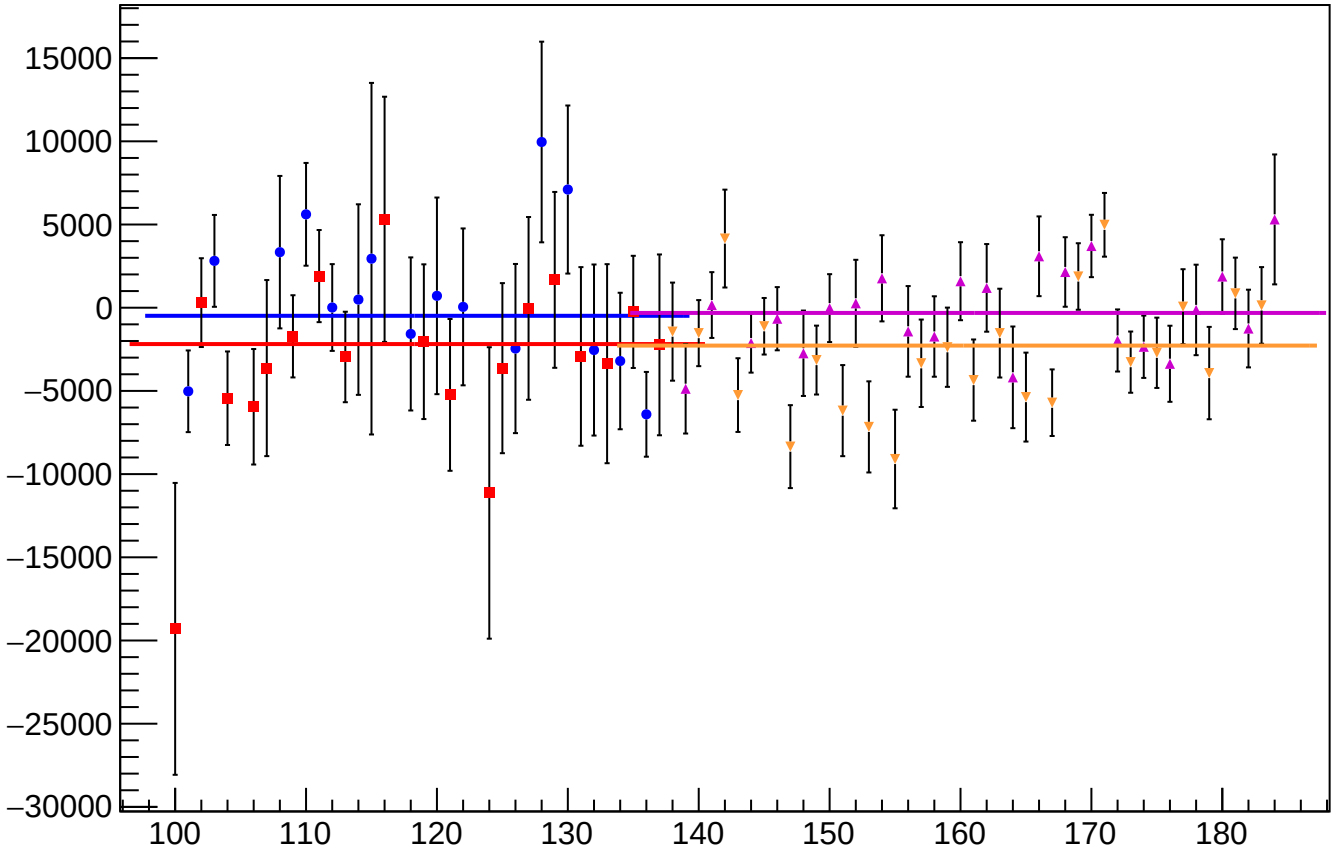
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 254.757+/-0.036 χ^2/NDF: 1198370.4/39

All: 254.050+/-0.025 χ^2/NDF: 2489232.9/81

- sign 253.333+/-0.036 χ^2/NDF: 1290068.9/41

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

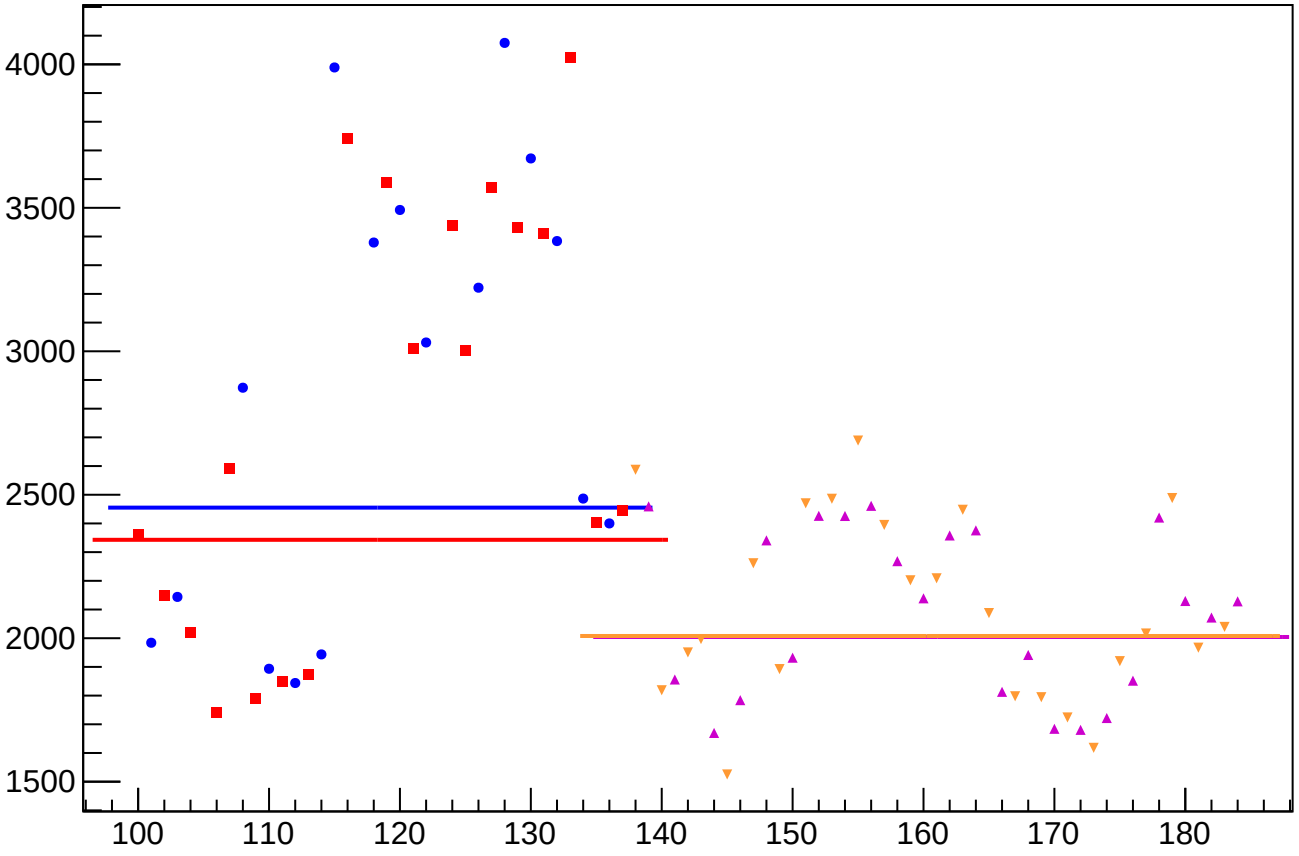
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1927.290+/-418.195 χ^2/NDF: 76.9/39

All: -1326.394+/-296.003 χ^2/NDF: 121.3/81

- sign -723.100+/-419.029 χ^2/NDF: 40.3/41

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

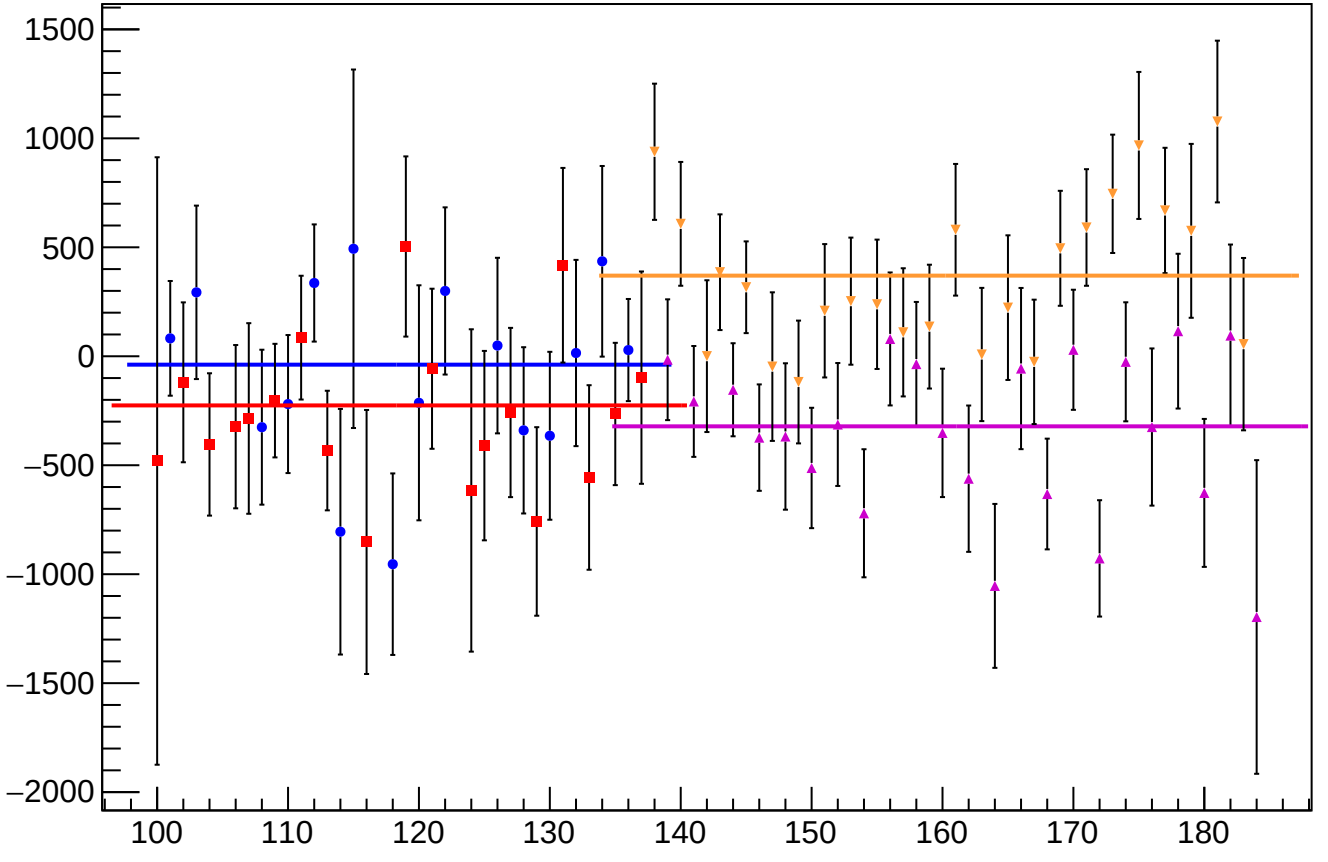
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2094.905+/-0.296 χ^2/NDF: 2131190.5/39

All: 2086.643+/-0.209 χ^2/NDF: 4131410.2/81

- sign 2078.347+/-0.296 χ^2/NDF: 1998655.1/41

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

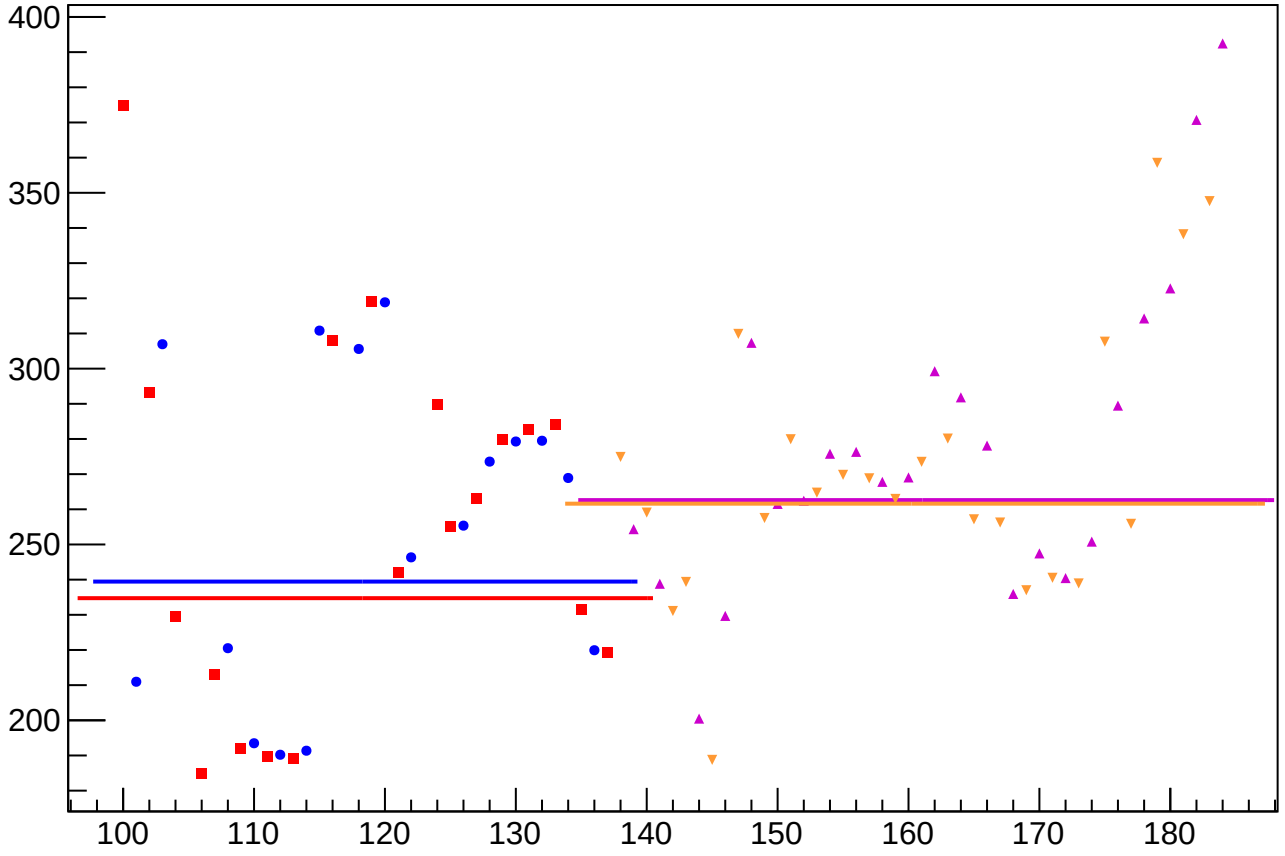
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 243.777+/-50.372 χ^2/NDF: 55.9/39

All: -20.996+/-35.744 χ^2/NDF: 150.0/81

- sign -289.554+/-50.731 χ^2/NDF: 38.4/41

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

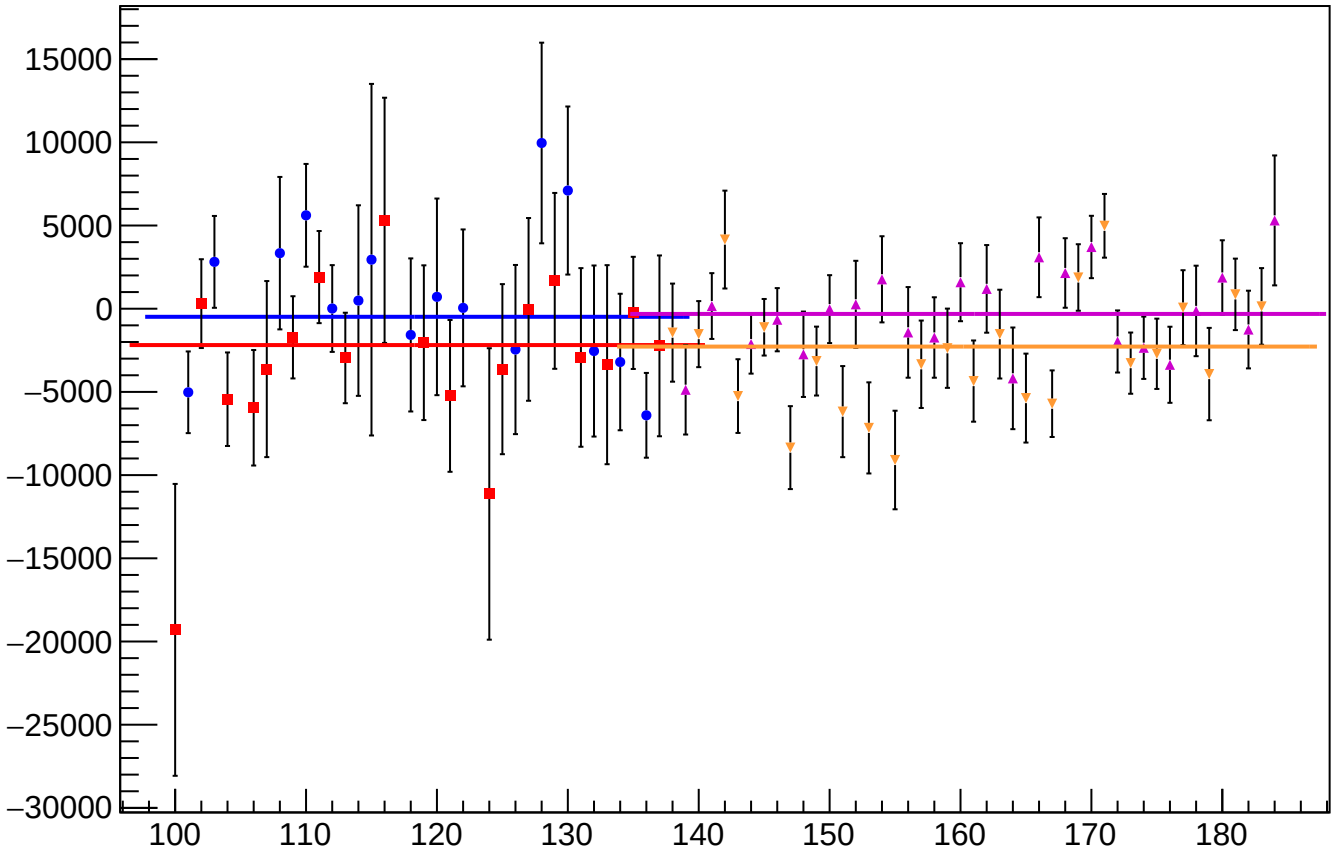
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 254.757+/-0.036 χ^2/NDF: 1198370.4/39

All: 254.050+/-0.025 χ^2/NDF: 2489232.9/81

- sign 253.333+/-0.036 χ^2/NDF: 1290068.9/41



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

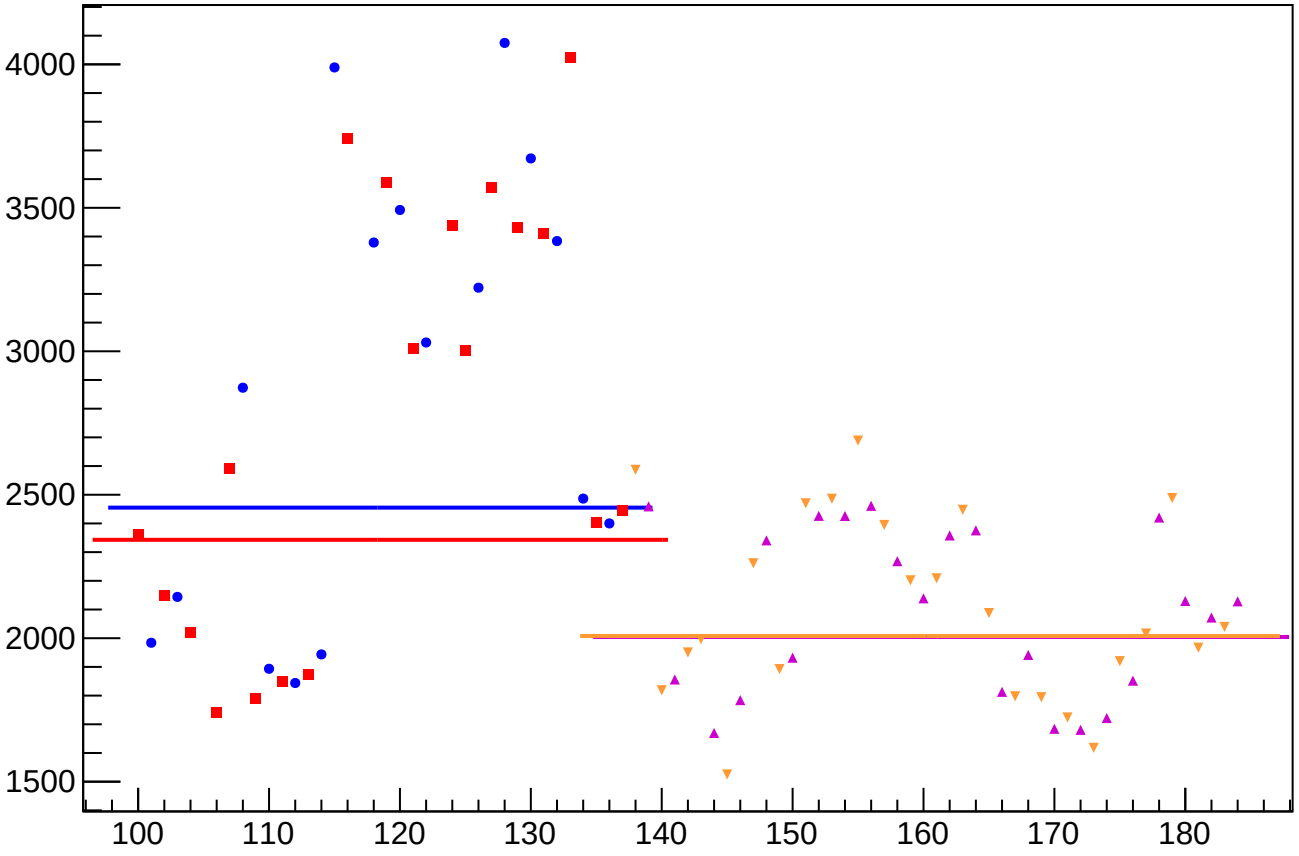
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1927.290+/-418.195 χ^2/NDF: 76.9/39

All: -1326.394+/-296.003 χ^2/NDF: 121.3/81

- sign -723.100+/-419.029 χ^2/NDF: 40.3/41

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

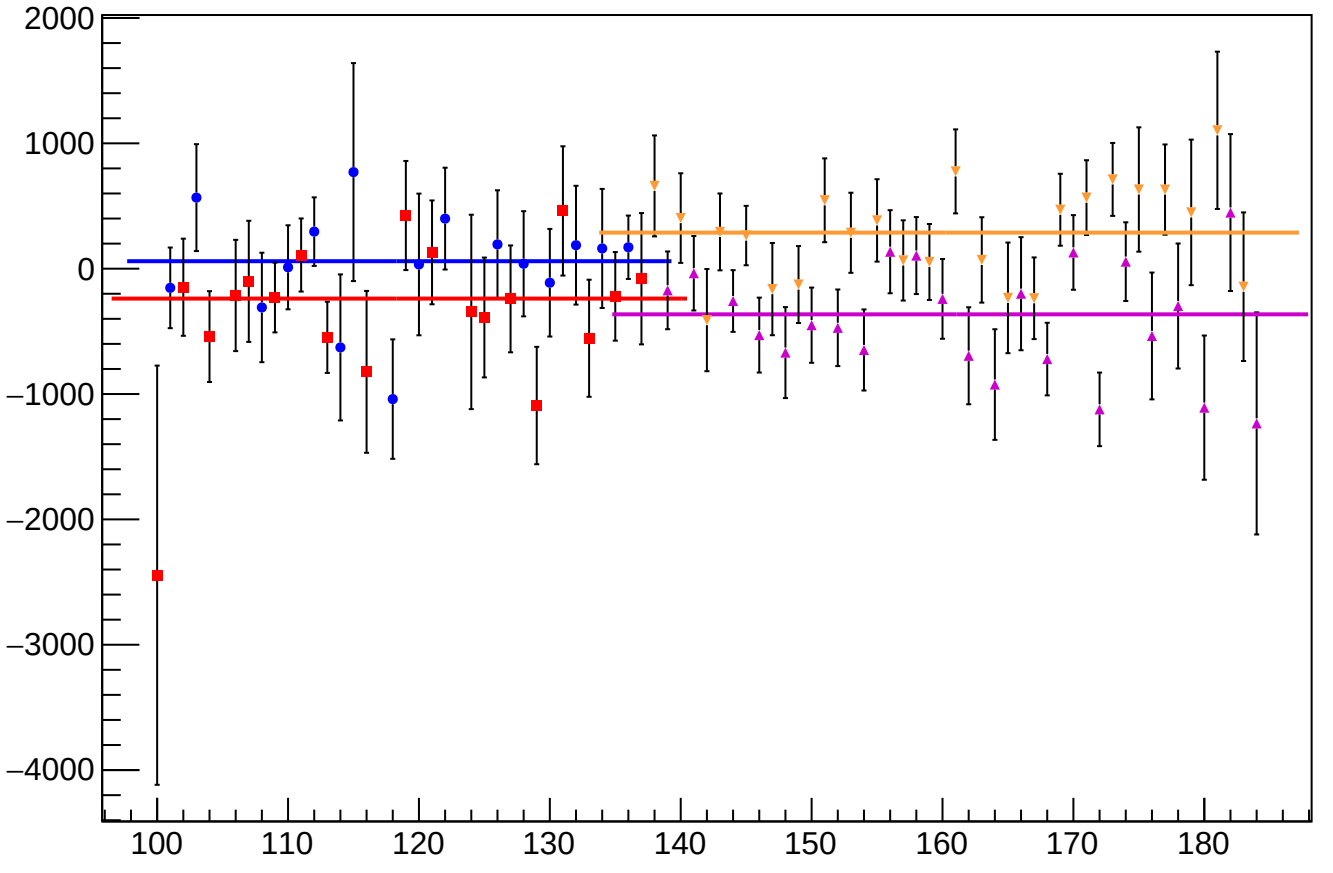
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2094.905+/-0.296 χ^2/NDF: 2131190.5/39

All: 2086.643+/-0.209 χ^2/NDF: 4131410.2/81

- sign 2078.347+/-0.296 χ^2/NDF: 1998655.1/41

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

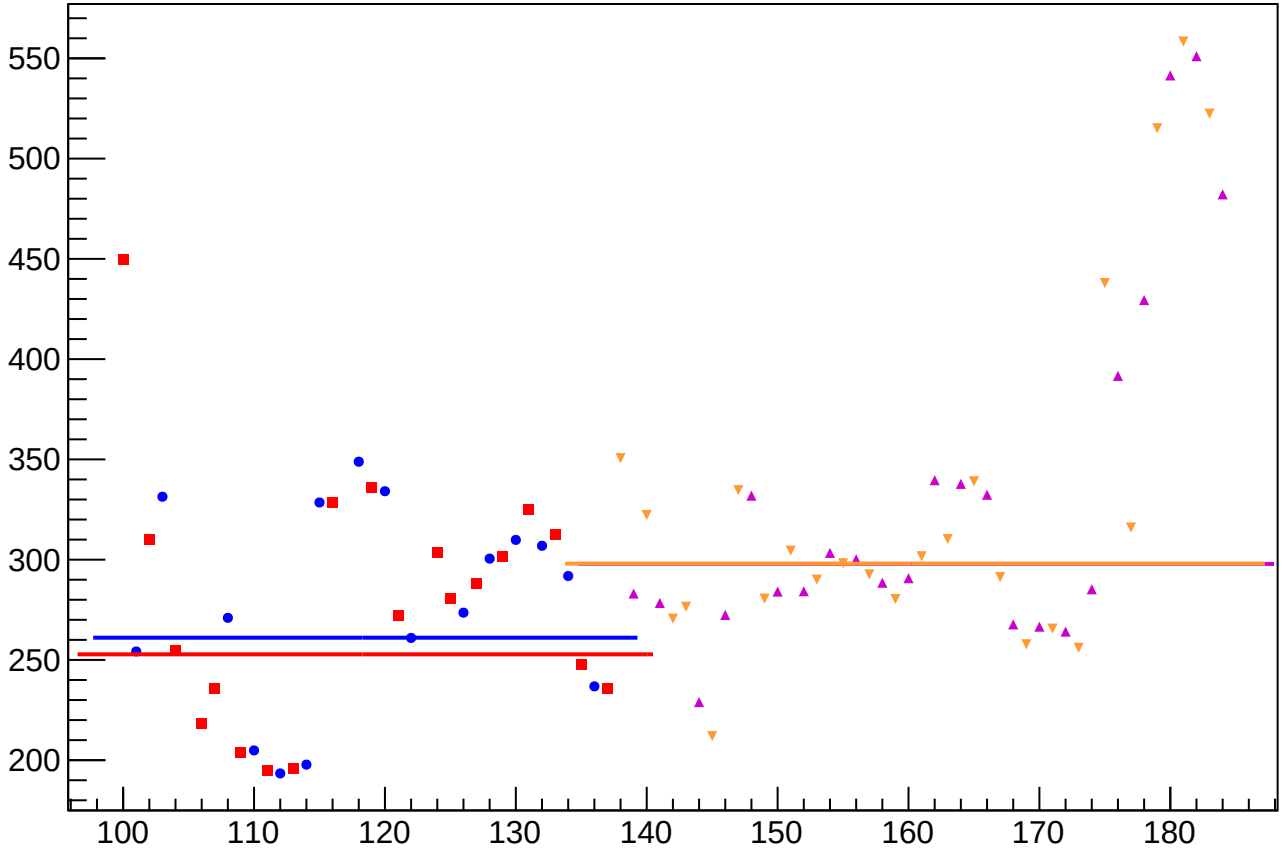
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 211.587+/-57.348 χ^2/NDF: 38.1/39

All: -53.956+/-40.517 χ^2/NDF: 125.2/81

- sign -318.592+/-57.250 χ^2/NDF: 44.3/41

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

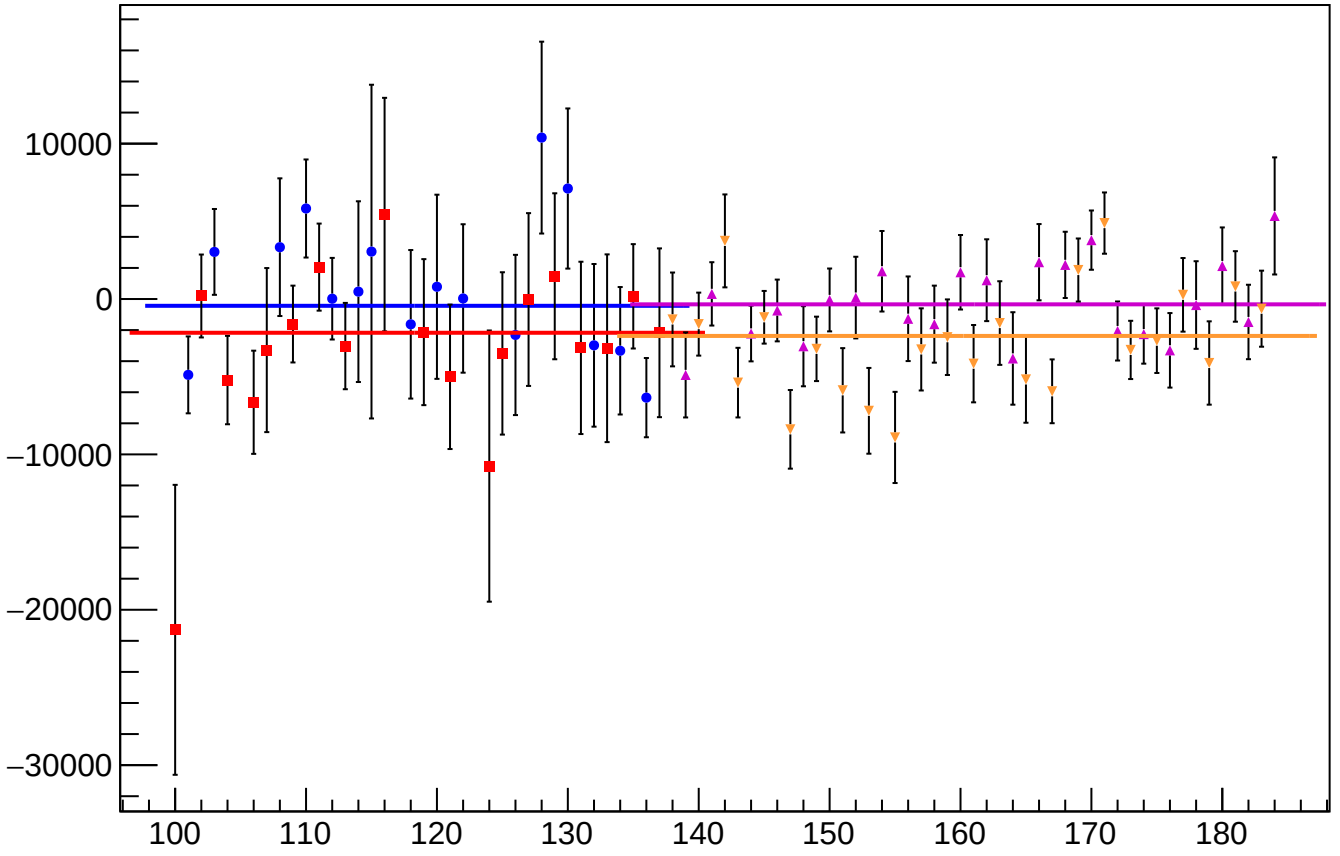
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

\+ sign 285.682+/-0.041 χ^2/NDF: 2208972.2/39

All: 283.602+/-0.029 χ^2/NDF: 4357447.5/81

\- sign 281.529+/-0.040 χ^2/NDF: 2143220.1/41

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

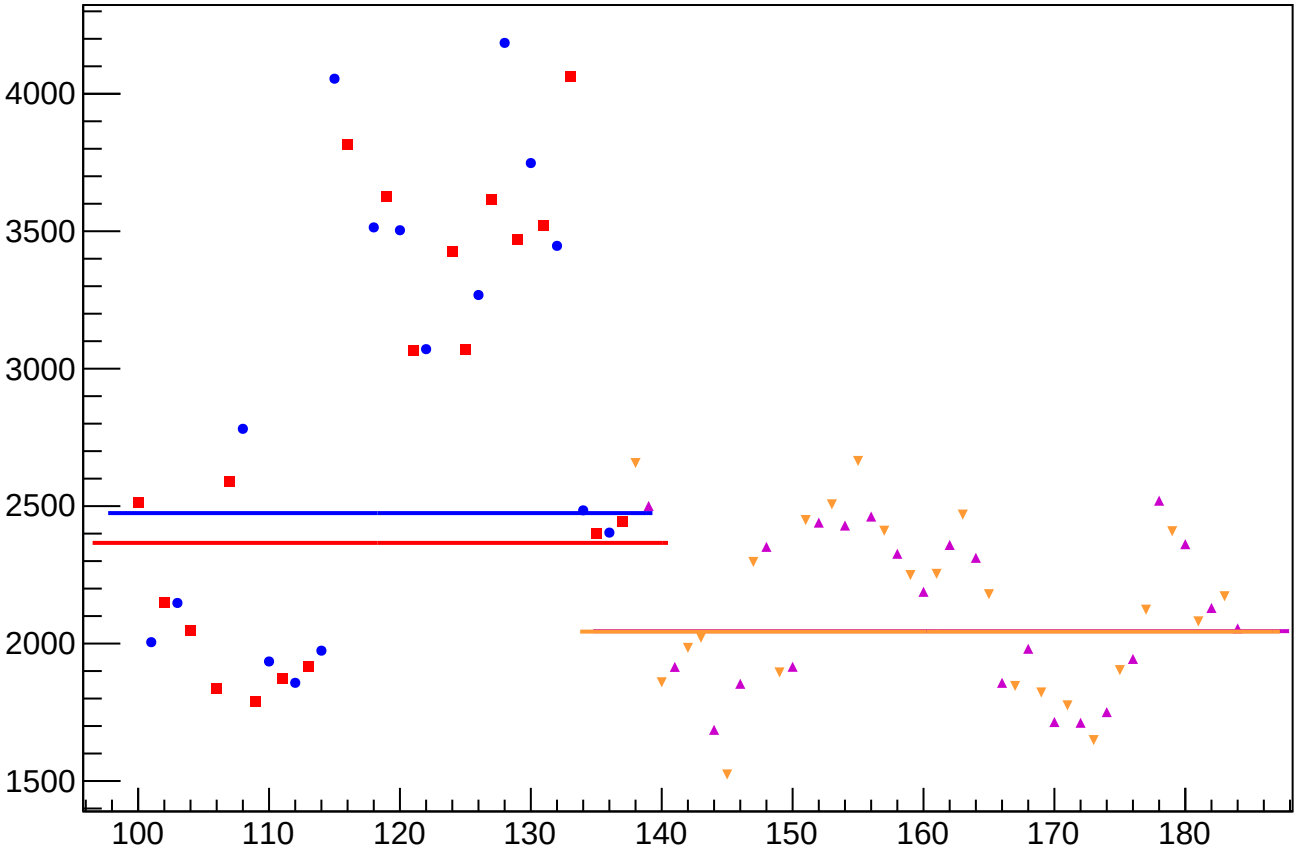
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1992.826+/-424.390 χ^2/NDF: 73.8/39

All: -1374.790+/-300.698 χ^2/NDF: 118.1/81

- sign -751.716+/-426.116 χ^2/NDF: 40.0/41

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

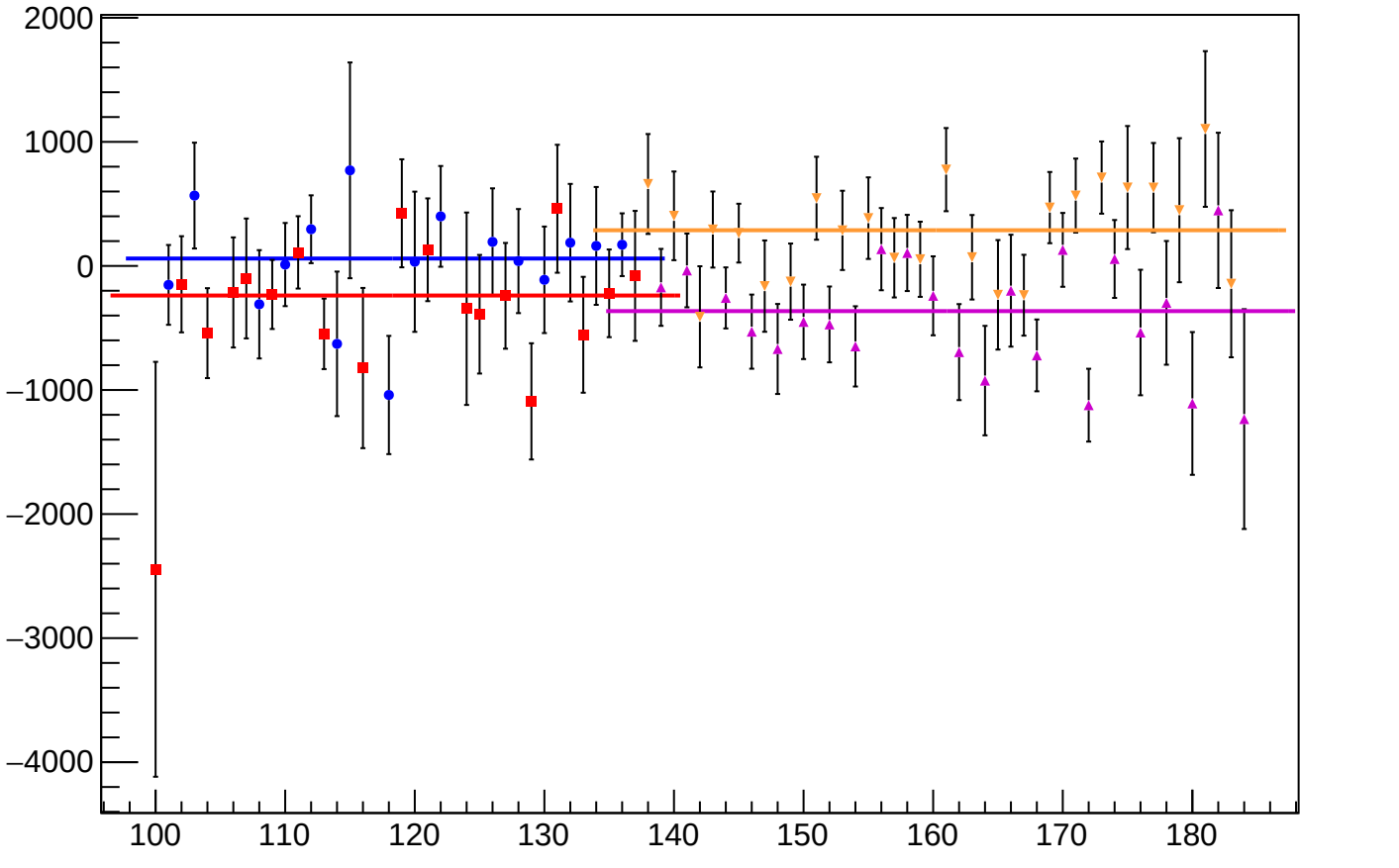
Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2128.597+/-0.300 χ^2/NDF: 2096657.3/39

All: 2122.807+/-0.213 χ^2/NDF: 4061898.5/81

- sign 2116.969+/-0.301 χ^2/NDF: 1964493.6/41



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

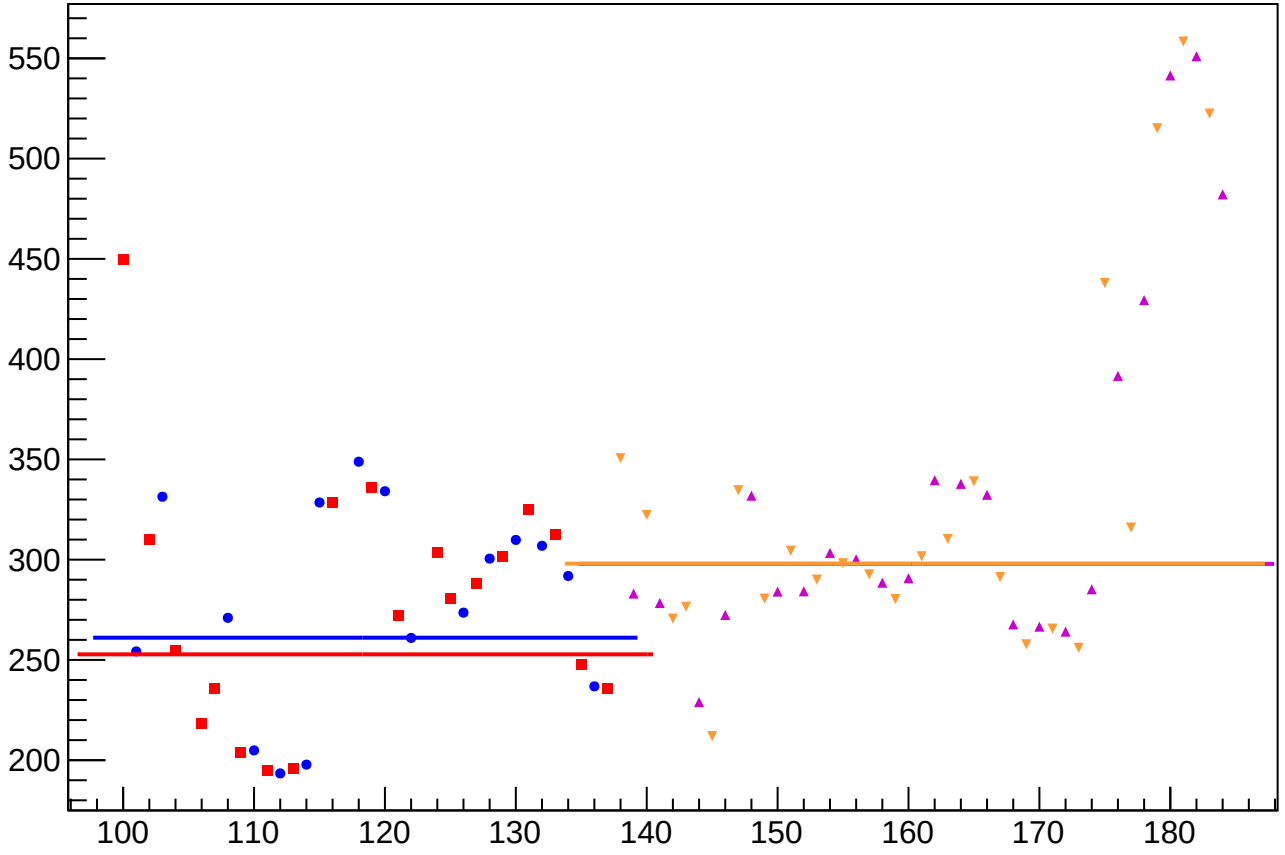
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 211.592+/-57.348 χ^2/NDF: 38.1/39

All: -53.954+/-40.517 χ^2/NDF: 125.2/81

- sign -318.592+/-57.250 χ^2/NDF: 44.3/41

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

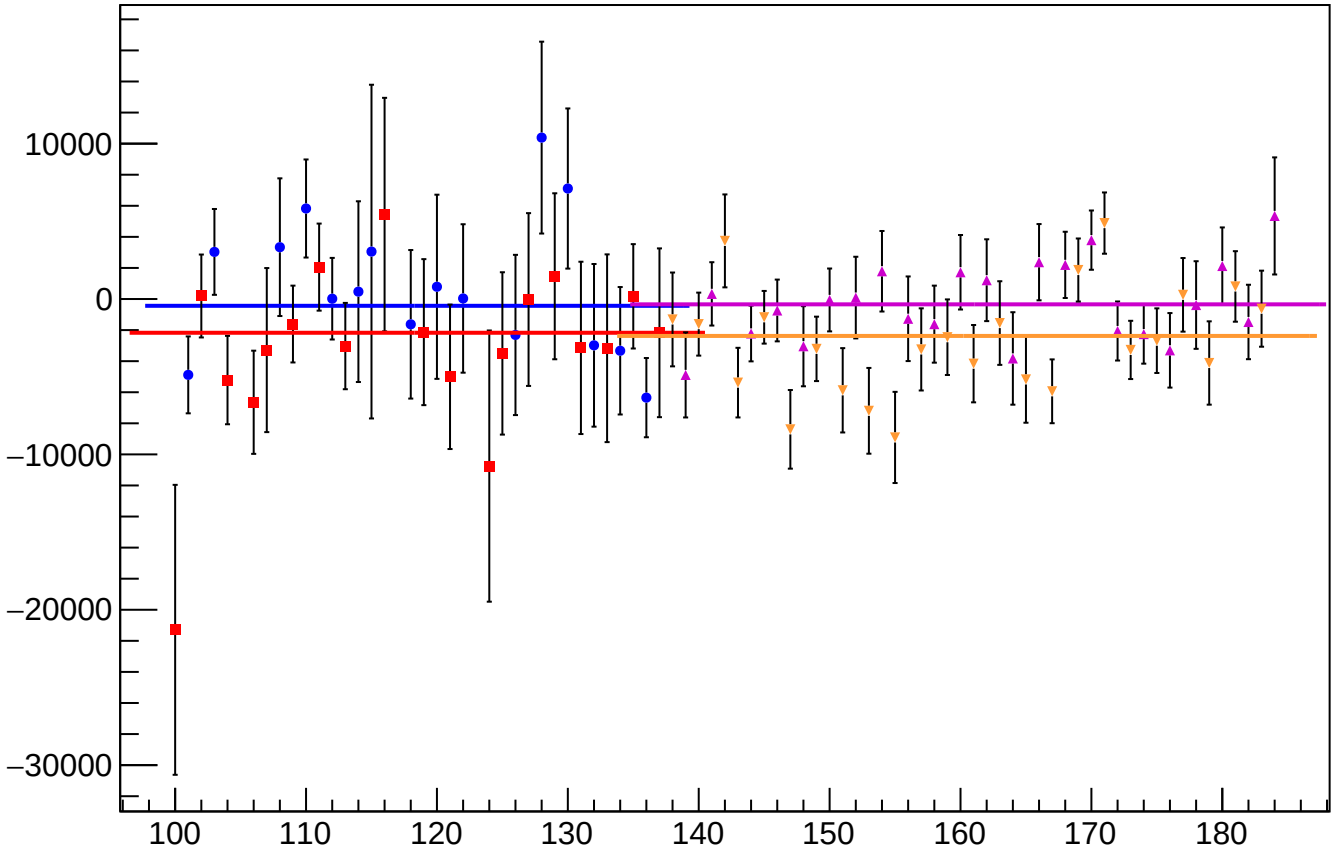
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 285.682+/-0.041 χ^2/NDF: 2208976.9/39

All: 283.602+/-0.029 χ^2/NDF: 4357440.9/81

- sign 281.529+/-0.040 χ^2/NDF: 2143208.6/41

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

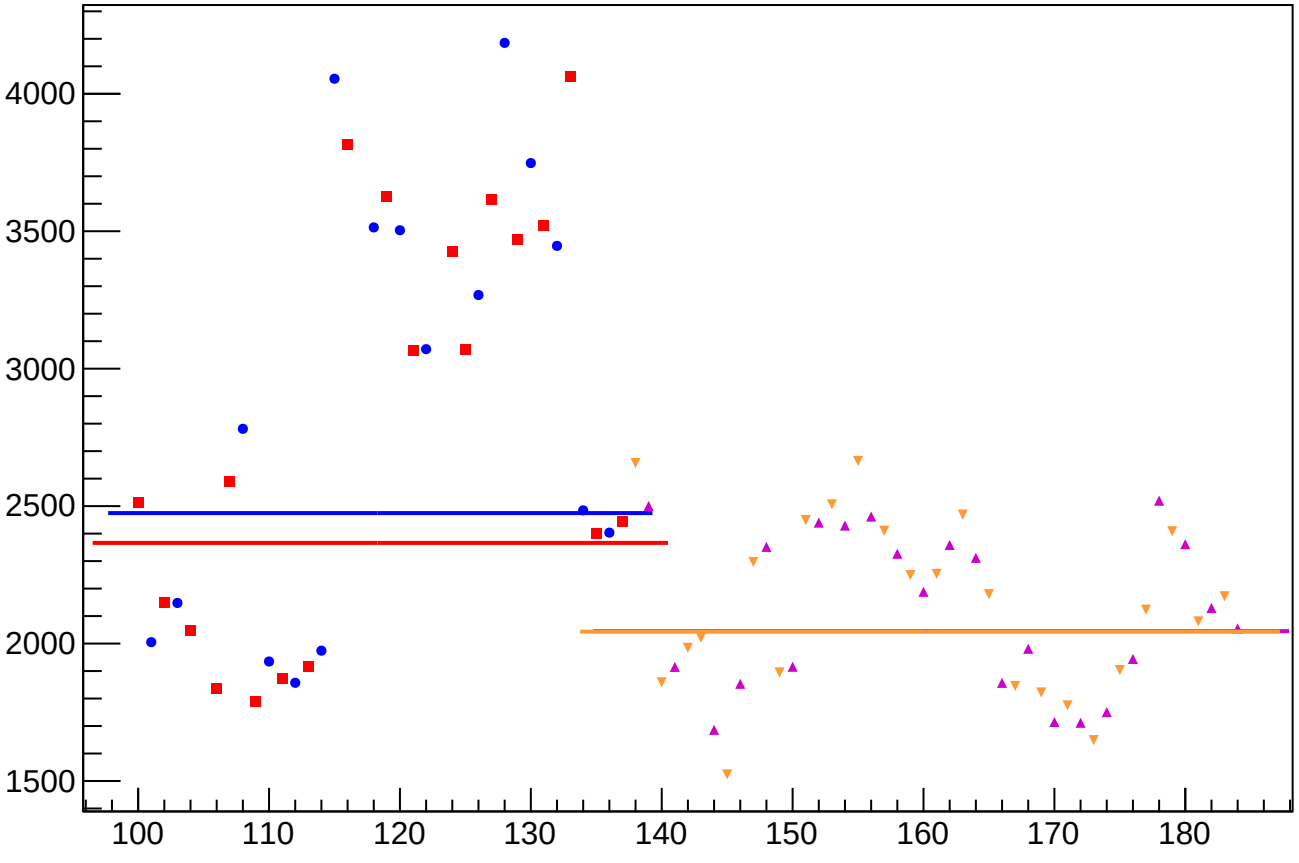
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1992.822+/-424.390 χ^2/NDF: 73.8/39

All: -1374.786+/-300.697 χ^2/NDF: 118.1/81

- sign -751.713+/-426.116 χ^2/NDF: 40.0/41

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

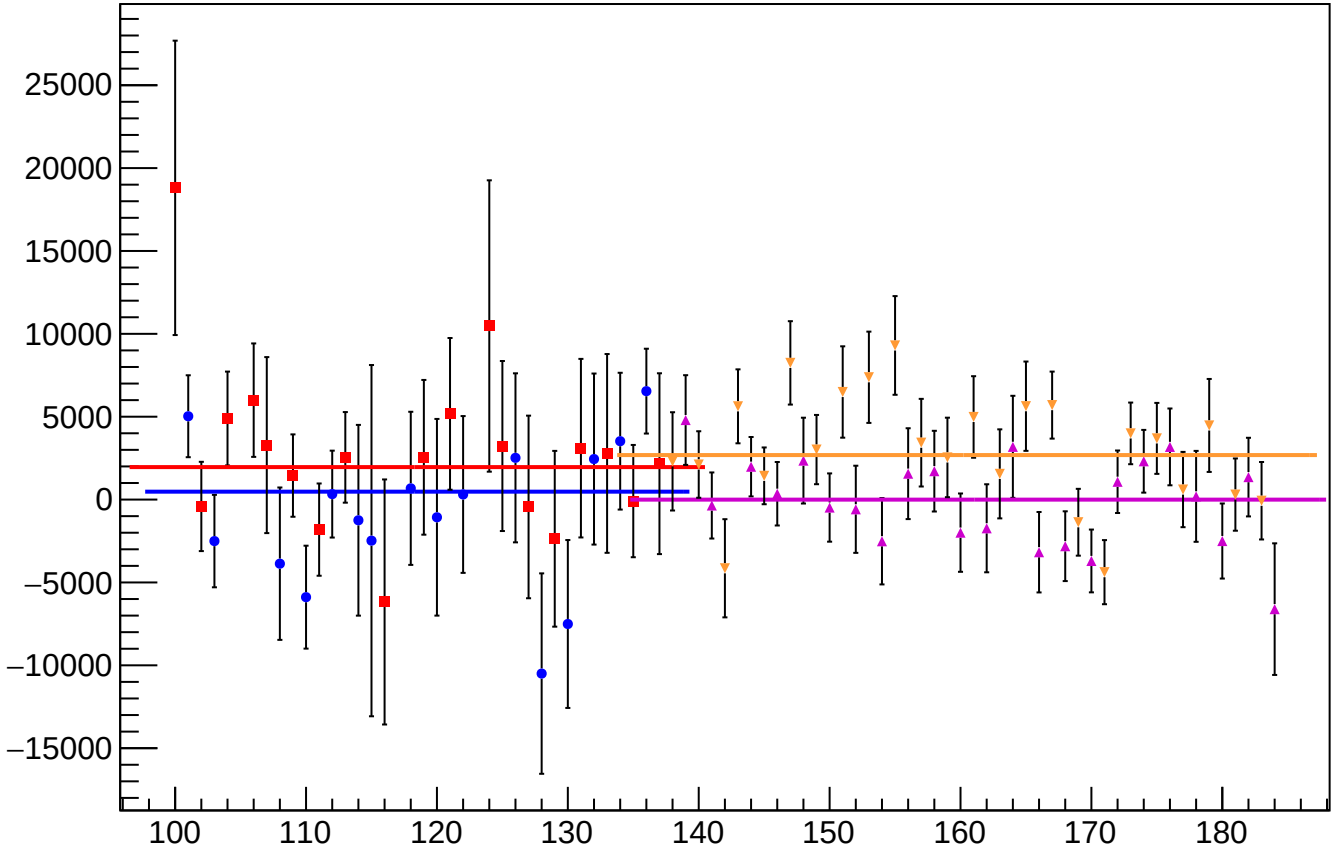
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2128.594+/-0.300 χ^2/NDF: 2096665.6/39

All: 2122.804+/-0.213 χ^2/NDF: 4061909.3/81

- sign 2116.967+/-0.301 χ^2/NDF: 1964496.2/41

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

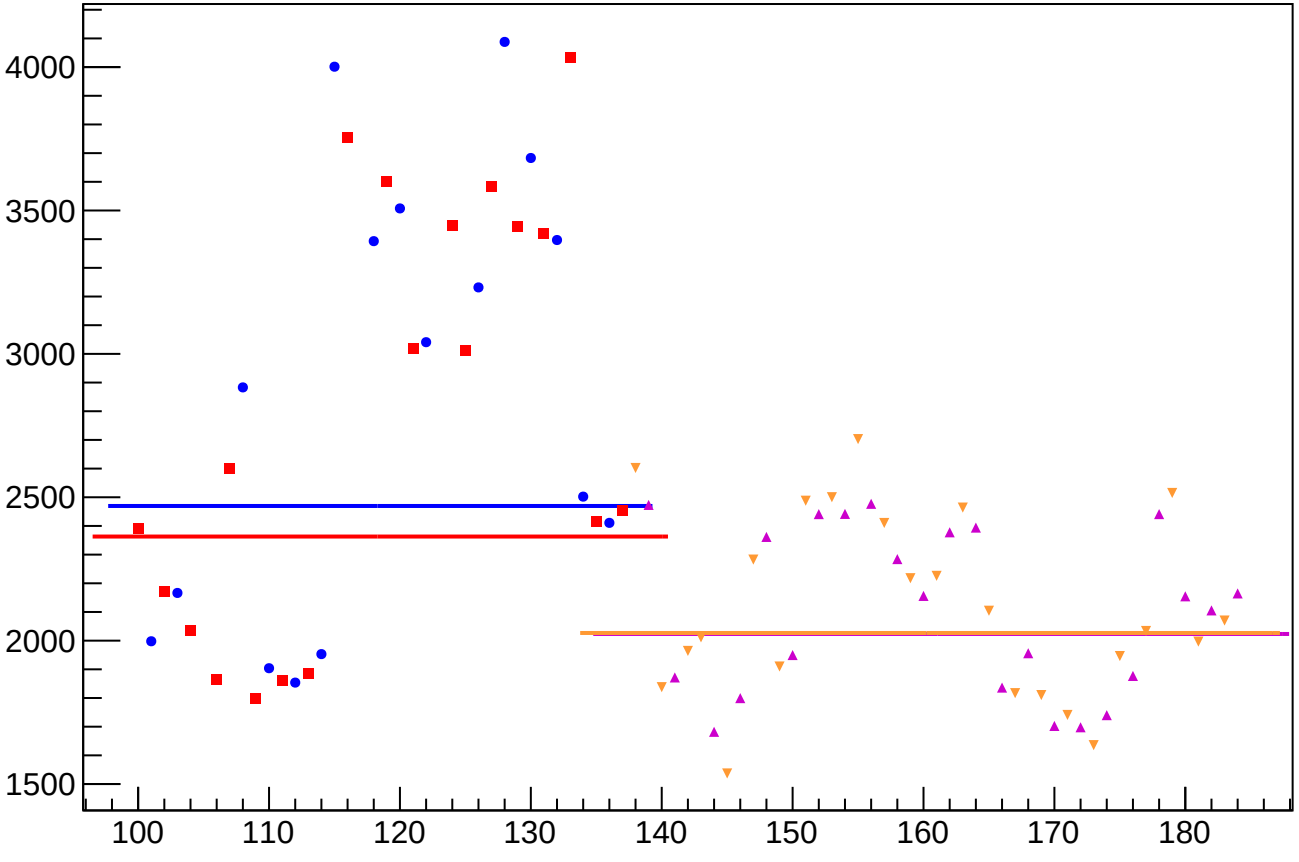
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2252.511+/-421.772 χ^2/NDF: 75.3/39

All: 1342.457+/-298.486 χ^2/NDF: 125.8/81

- sign 429.359+/-422.477 χ^2/NDF: 41.2/41

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

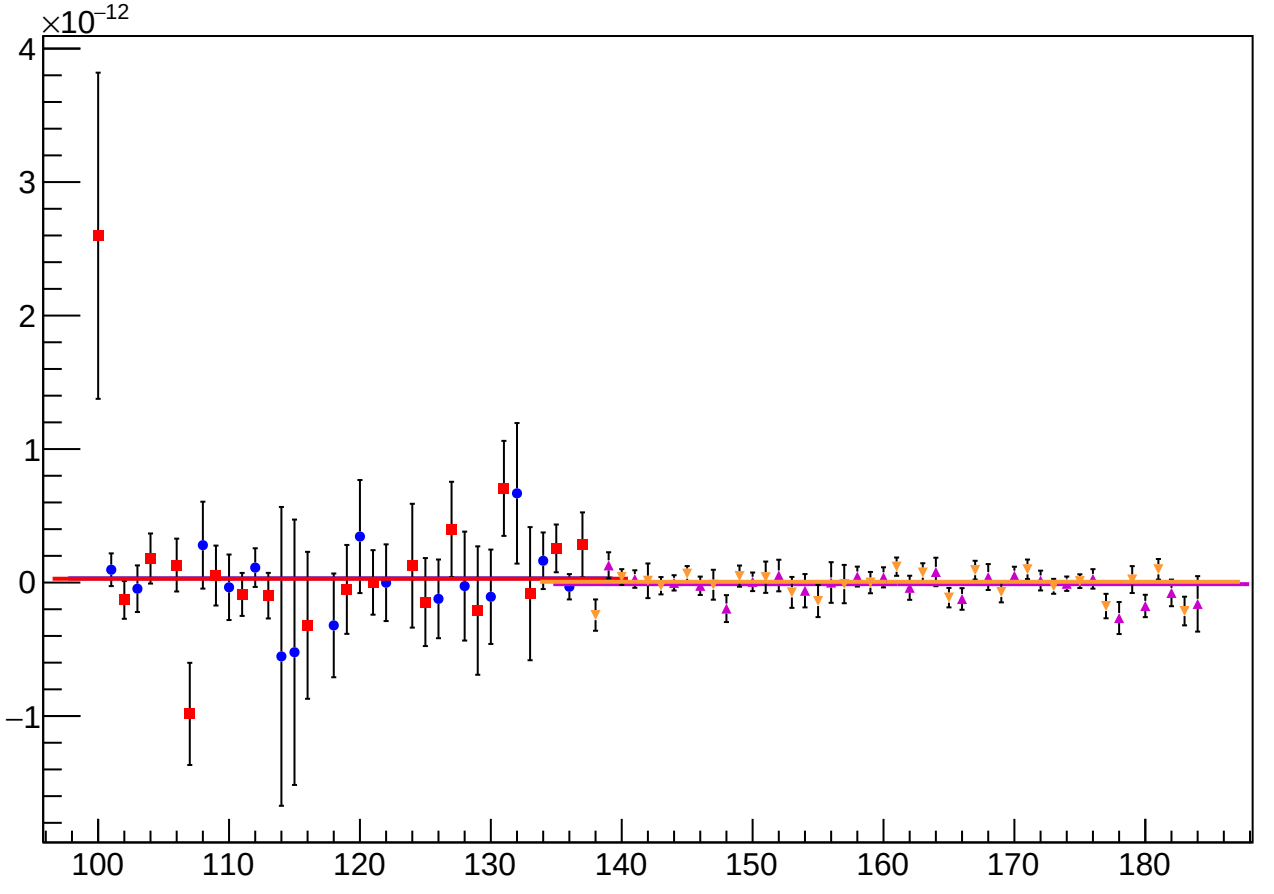
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2113.565+/-0.298 χ^2/NDF: 2100344.5/39

All: 2105.897+/-0.211 χ^2/NDF: 4063407.9/81

- sign 2098.202+/-0.299 χ^2/NDF: 1961739.0/41

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

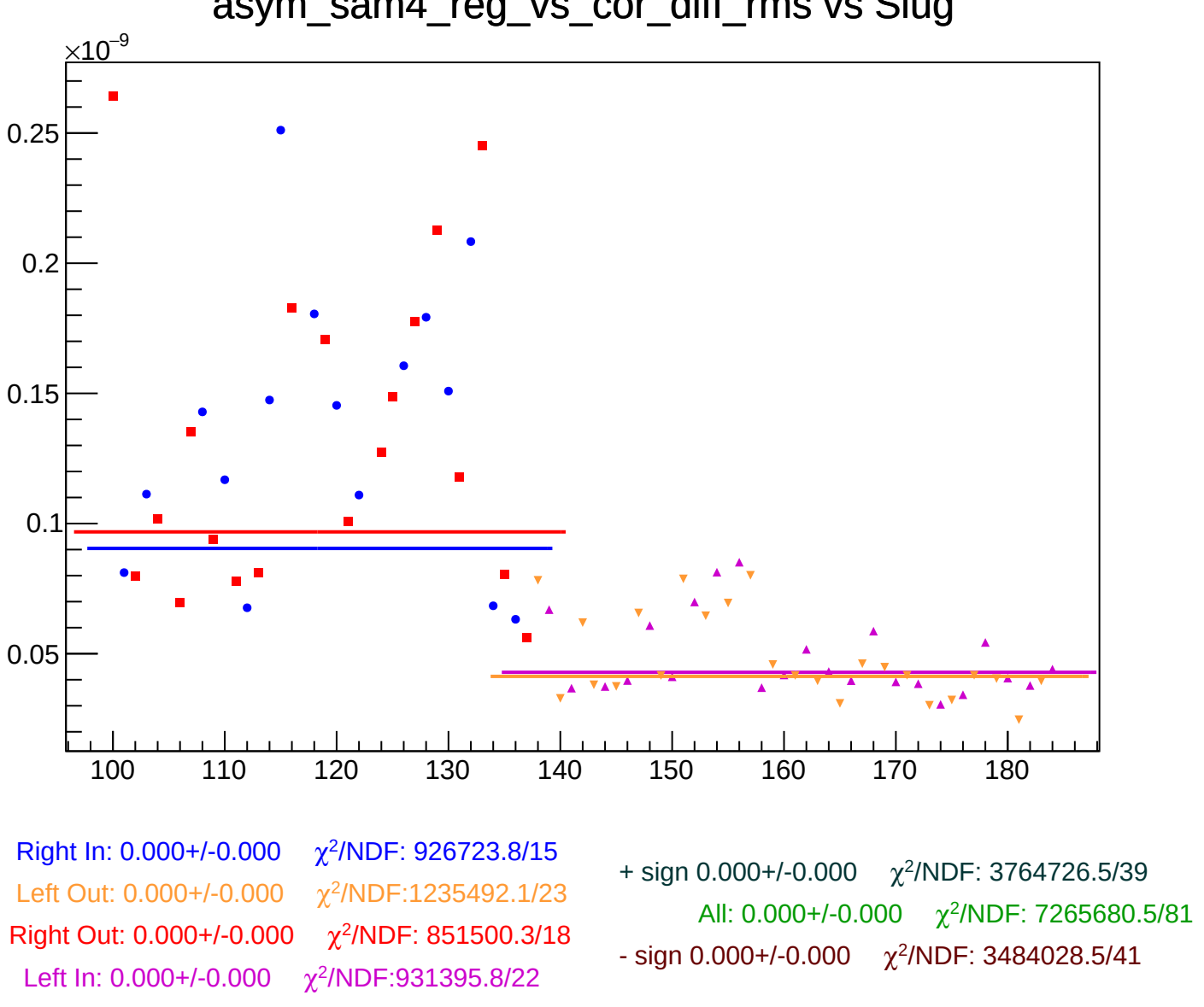
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

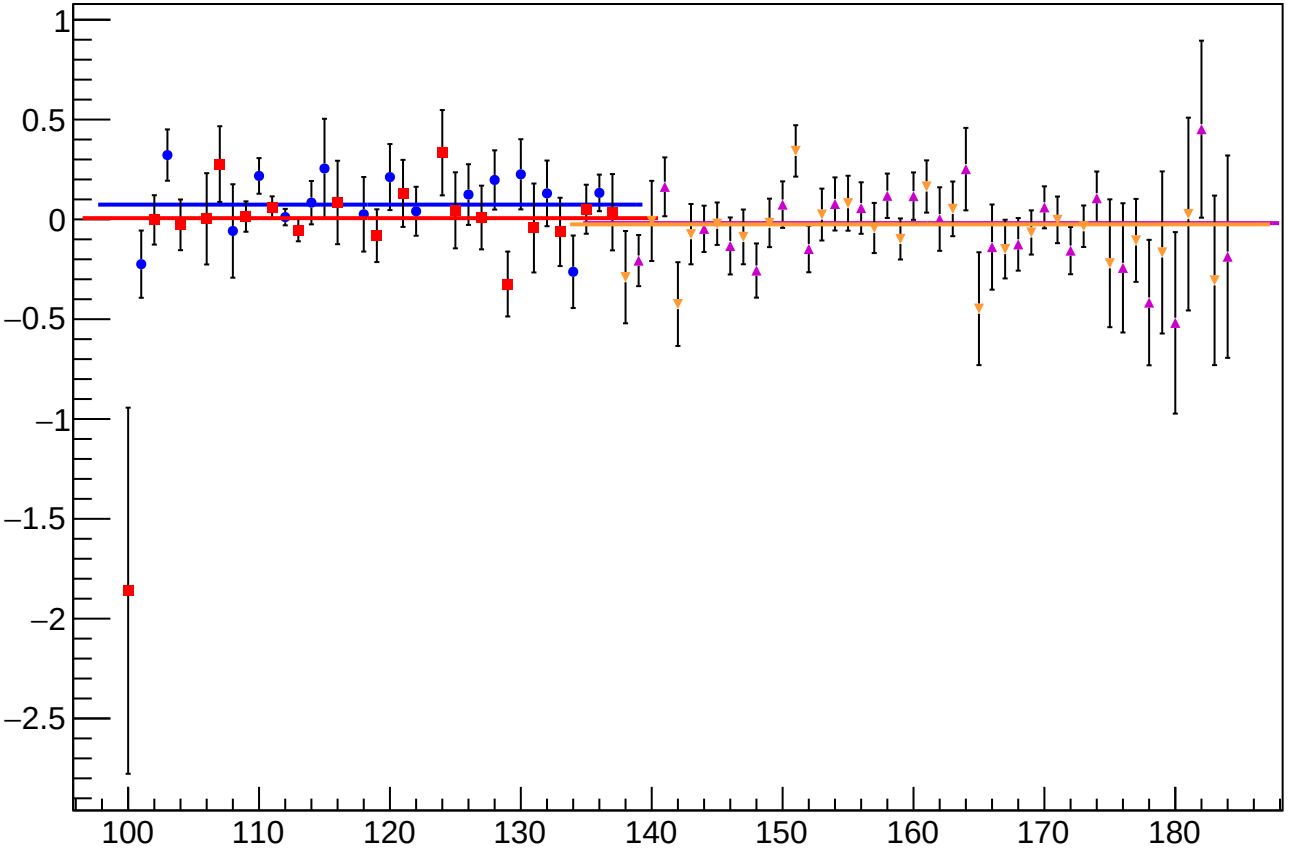
+ sign 0.000+/-0.000 χ^2/NDF: 35.4/39

All: 0.000+/-0.000 χ^2/NDF: 80.4/81

- sign -0.000+/-0.000 χ^2/NDF: 44.5/41


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:931395.8/22
+ sign 0.000+/-0.000 χ²/NDF: 3764726.5/39
All: 0.000+/-0.000 χ²/NDF: 7265680.5/81
- sign 0.000+/-0.000 χ²/NDF: 3484028.5/41

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

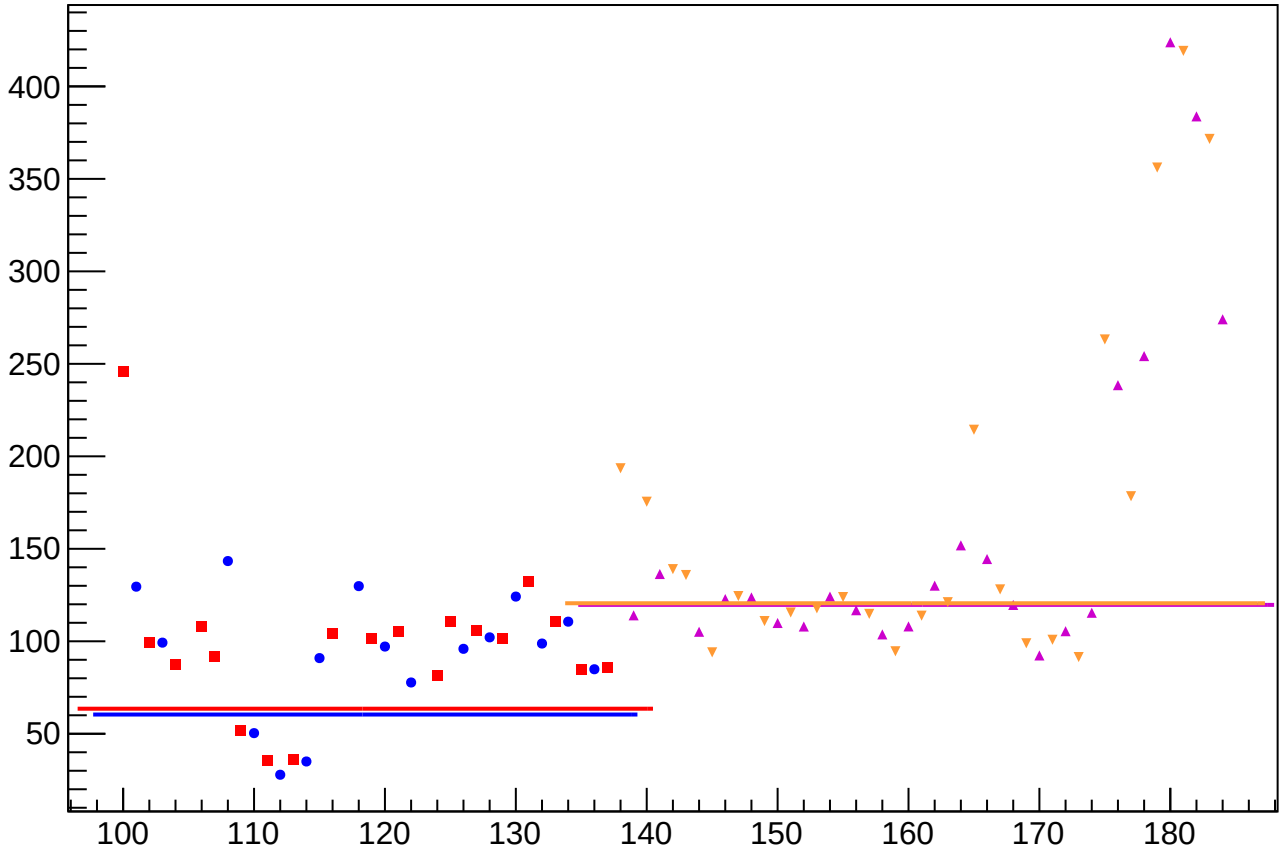
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 46.3/39

All: 0.012+/-0.014 χ^2/NDF: 87.6/81

- sign -0.005+/-0.020 χ^2/NDF: 39.8/41

asym_sam4_dit_vs_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

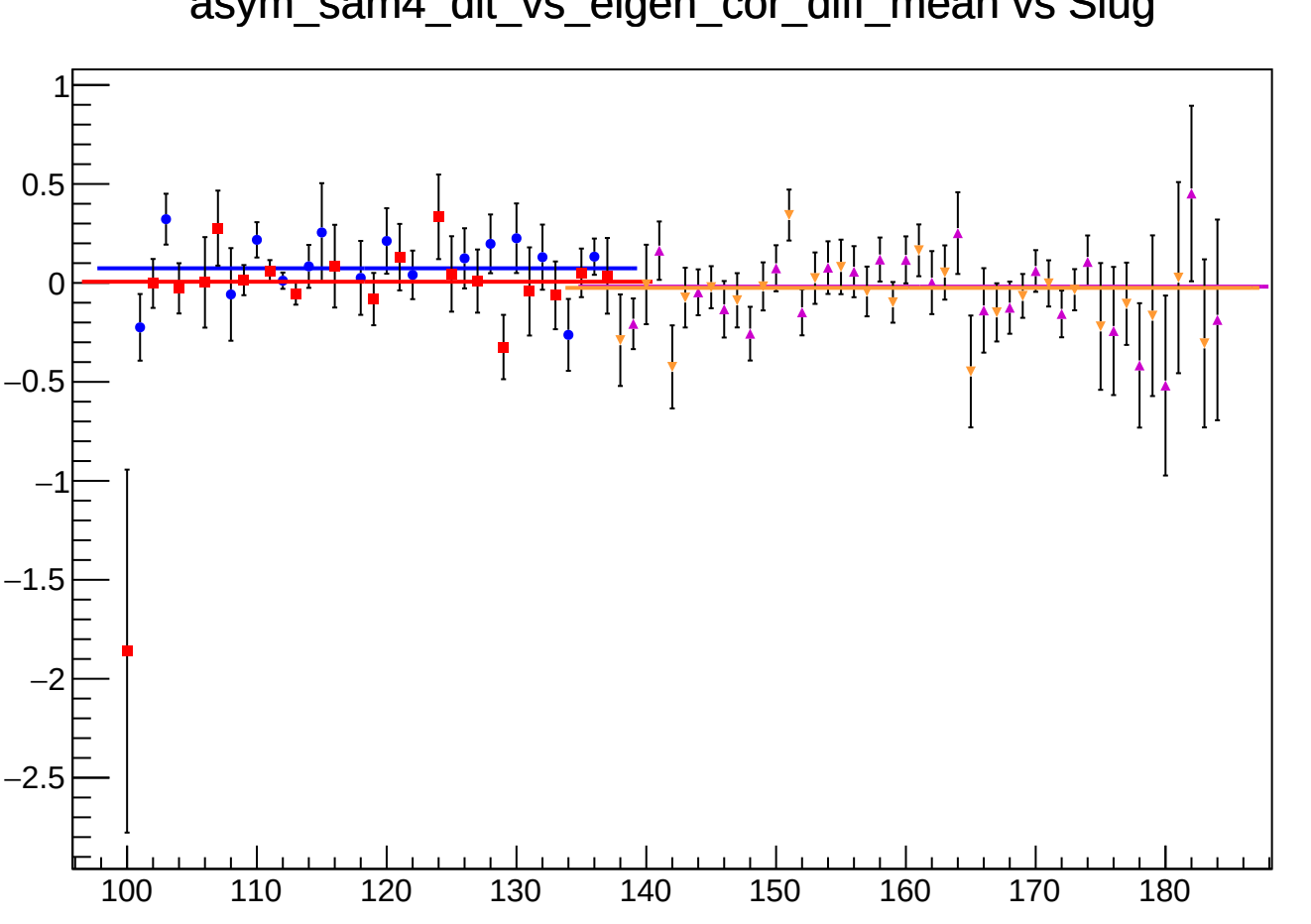
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 87.409+/-0.014 χ^2/NDF: 11862512.4/39

All: 87.848+/-0.010 χ^2/NDF: 21214285.9/81

- sign 88.289+/-0.014 χ^2/NDF: 9349848.3/41



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

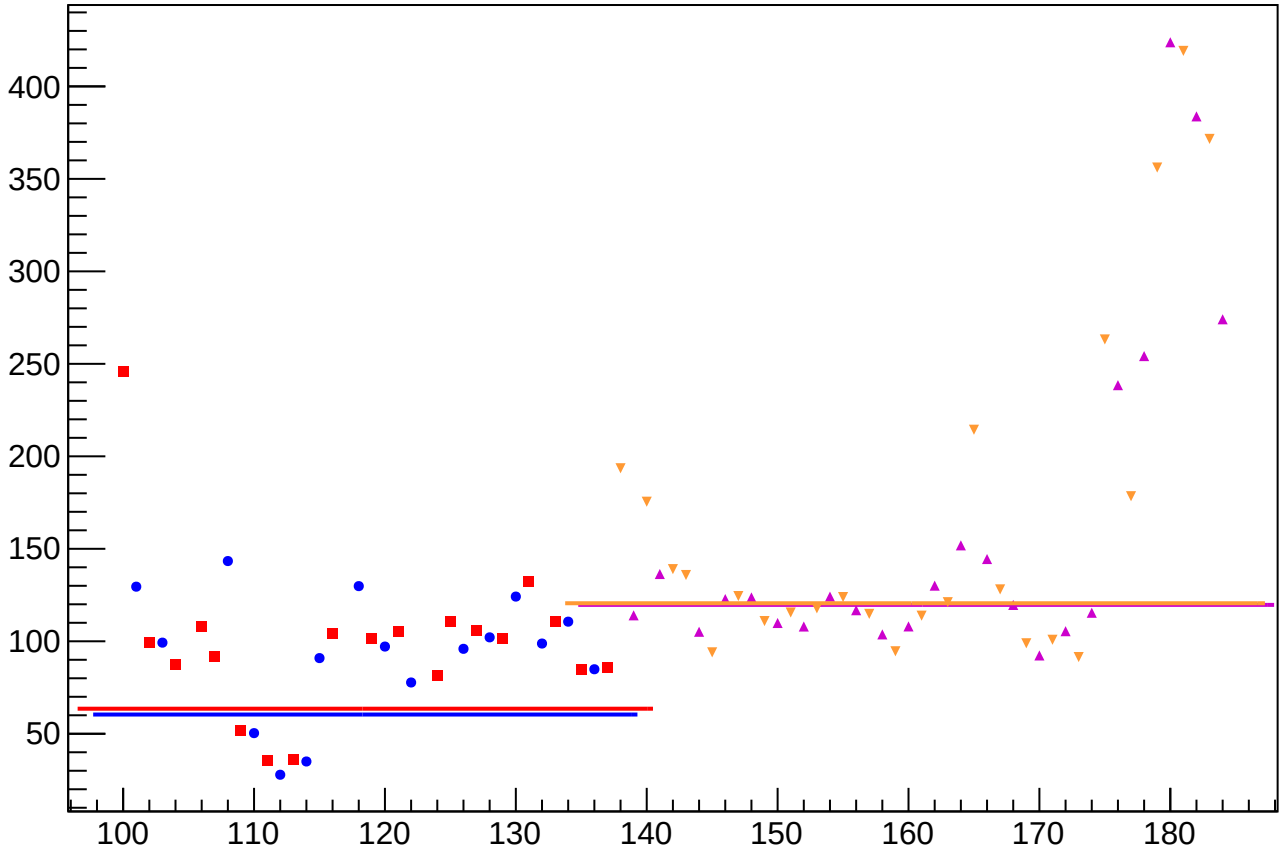
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 46.3/39

All: 0.012+/-0.014 χ^2/NDF: 87.6/81

- sign -0.005+/-0.020 χ^2/NDF: 39.8/41

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

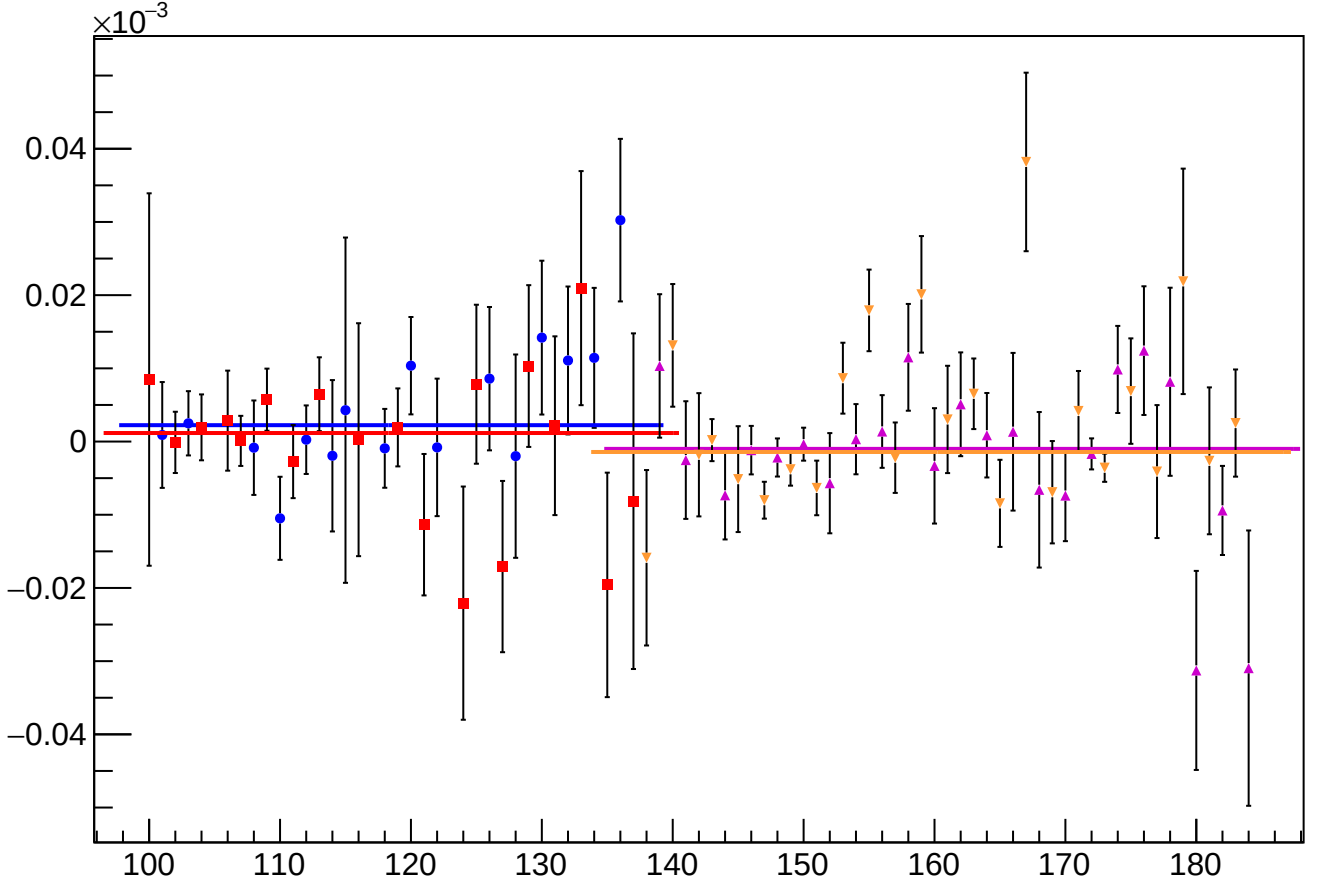
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

\+ sign 87.409+/-0.014 χ^2/NDF: 11862512.4/39

All: 87.848+/-0.010 χ^2/NDF: 21214285.9/81

\- sign 88.289+/-0.014 χ^2/NDF: 9349848.3/41



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

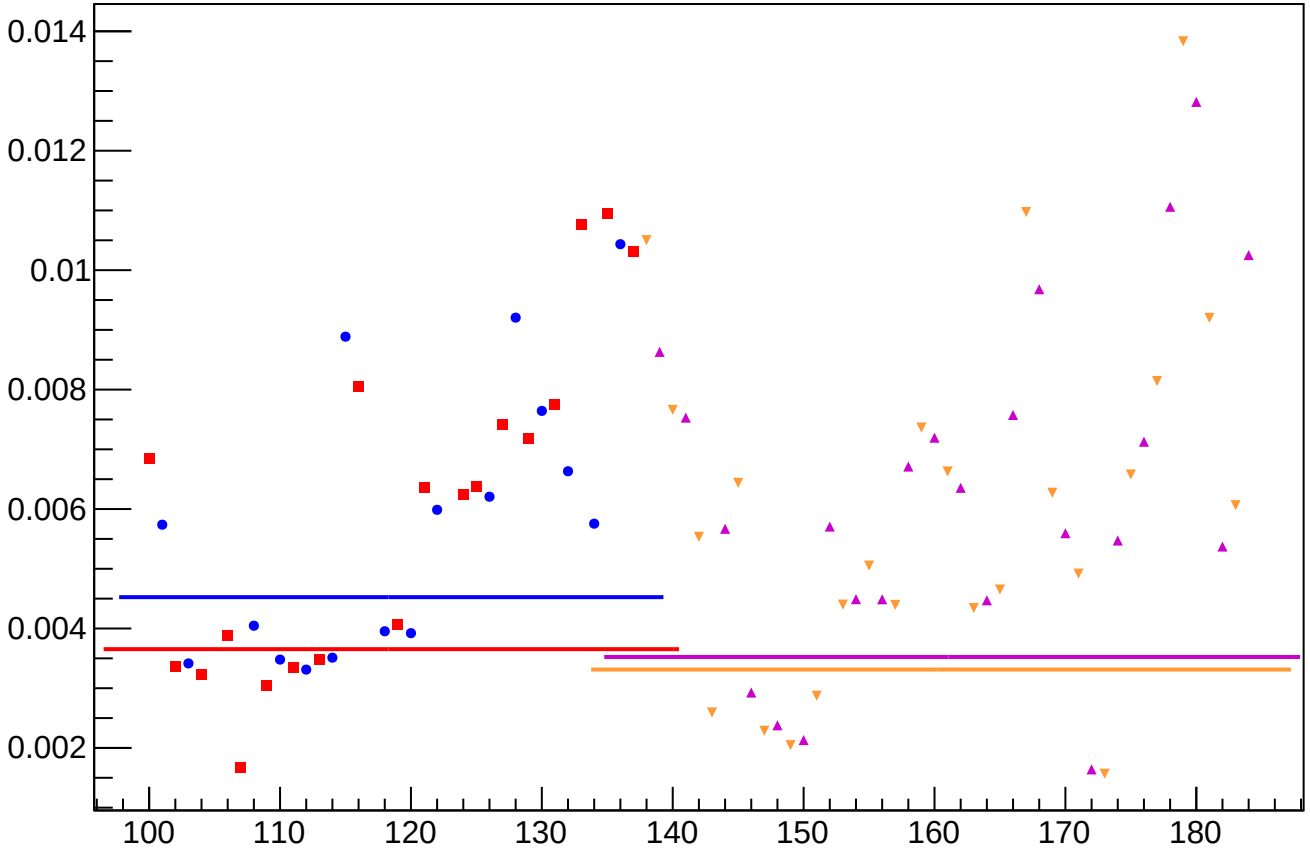
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.2/39

All: -0.000+/-0.000 χ^2/NDF: 121.3/81

- sign -0.000+/-0.000 χ^2/NDF: 40.0/41

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

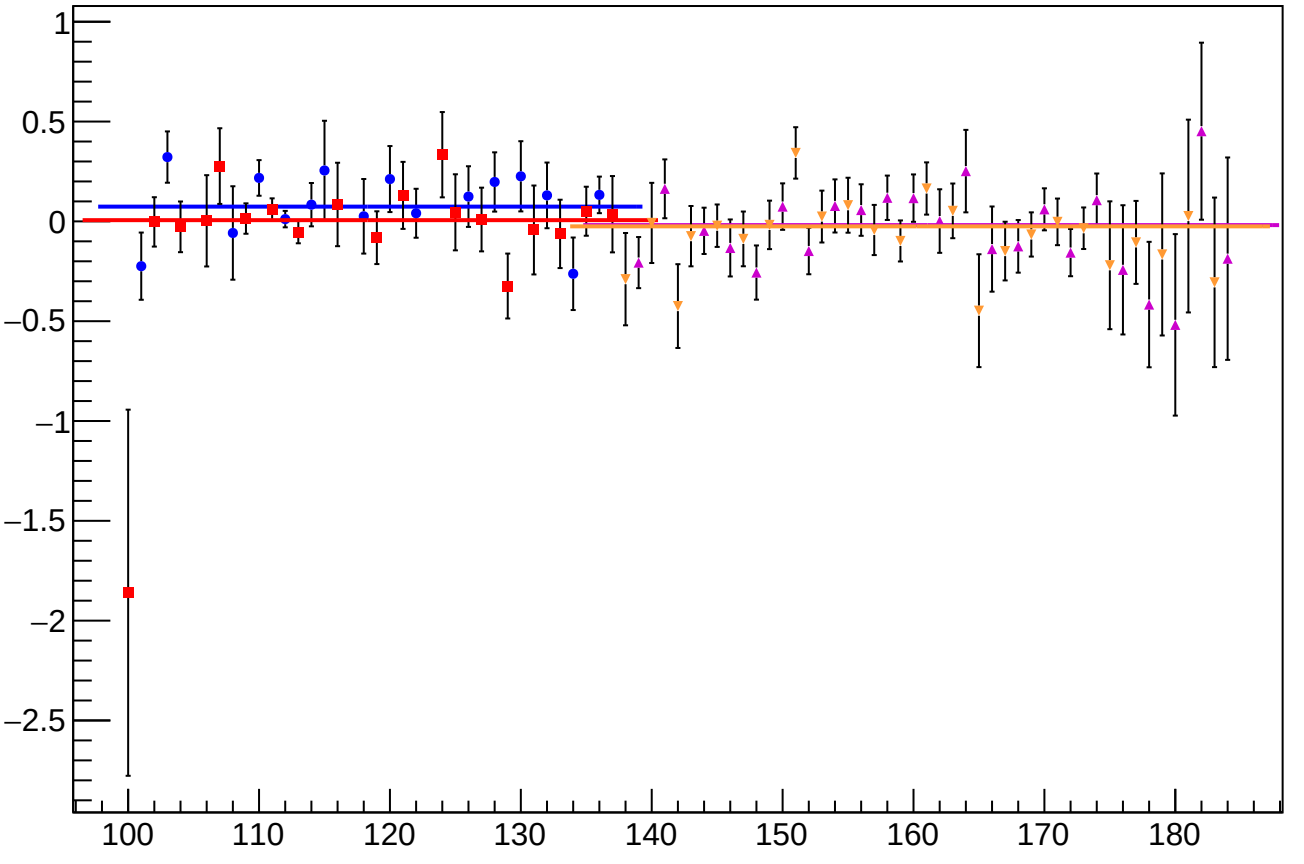
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 12686002.3/39

All: 0.004+/-0.000 χ^2/NDF: 25056455.6/81

- sign 0.004+/-0.000 χ^2/NDF: 12370363.5/41



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

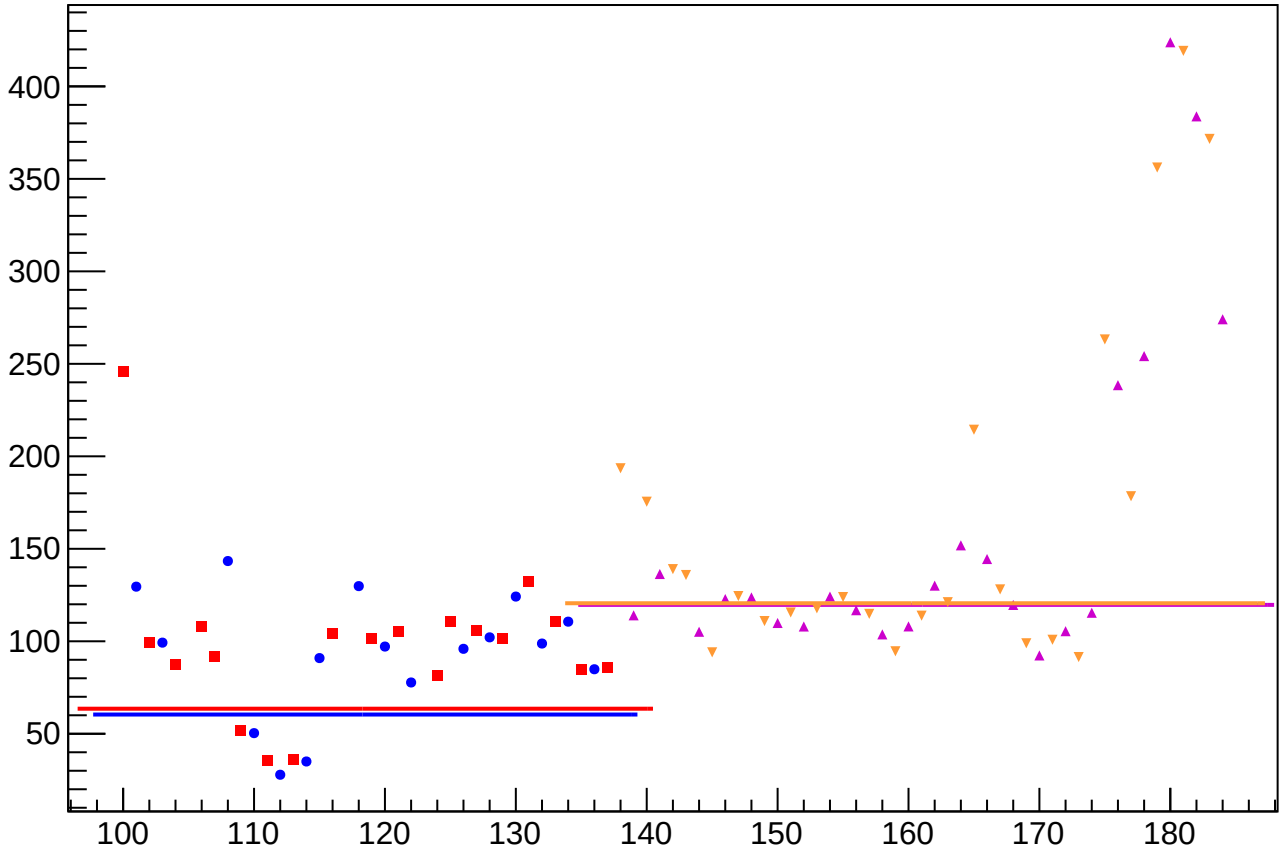
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 46.3/39

All: 0.012+/-0.014 χ^2/NDF: 87.6/81

- sign -0.005+/-0.020 χ^2/NDF: 39.8/41

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

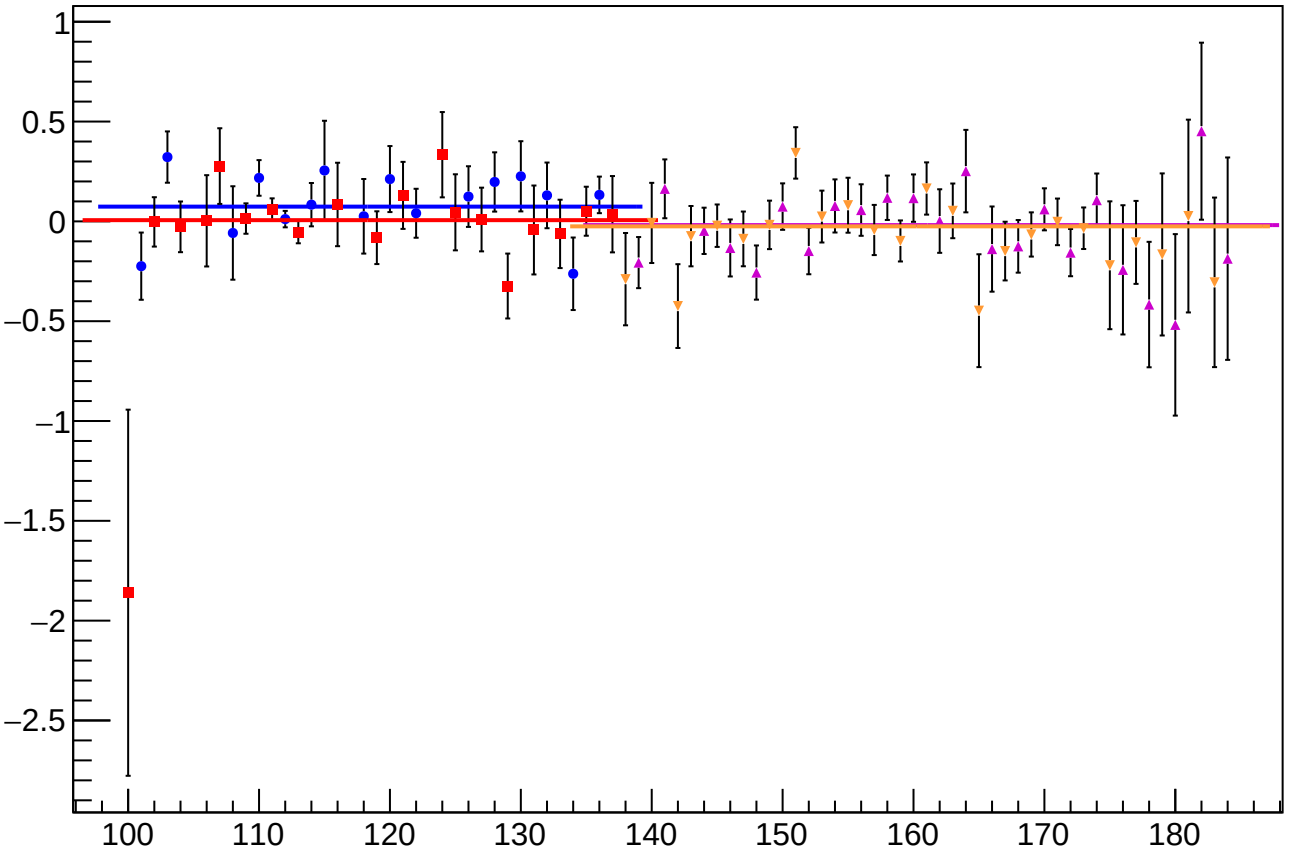
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 87.407+/-0.014 χ^2/NDF: 11863224.9/39

All: 87.847+/-0.010 χ^2/NDF: 21215613.2/81

- sign 88.287+/-0.014 χ^2/NDF: 9350461.8/41



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.025+/-0.030 χ^2/NDF:21.3/23

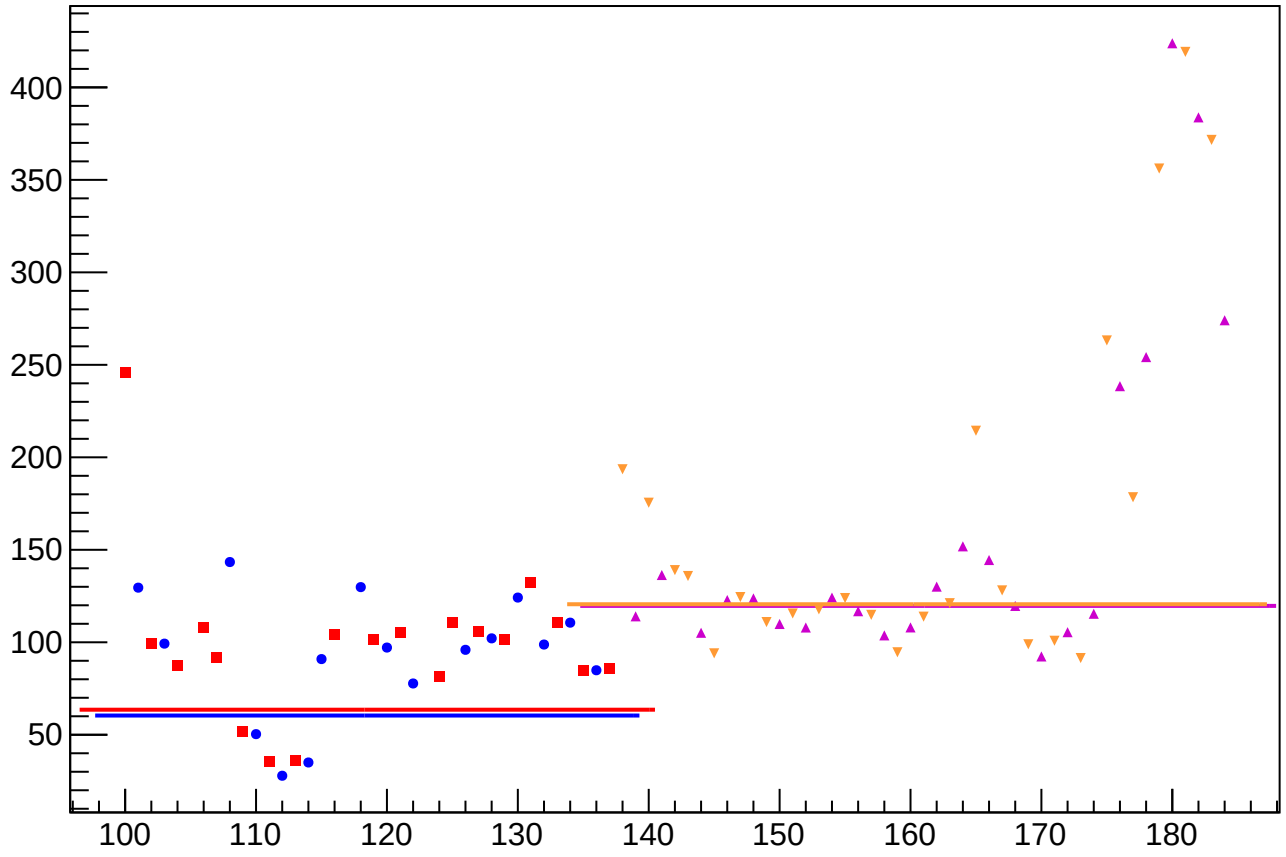
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 46.3/39

All: 0.012+/-0.014 χ^2/NDF: 87.6/81

- sign -0.005+/-0.020 χ^2/NDF: 39.8/41



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

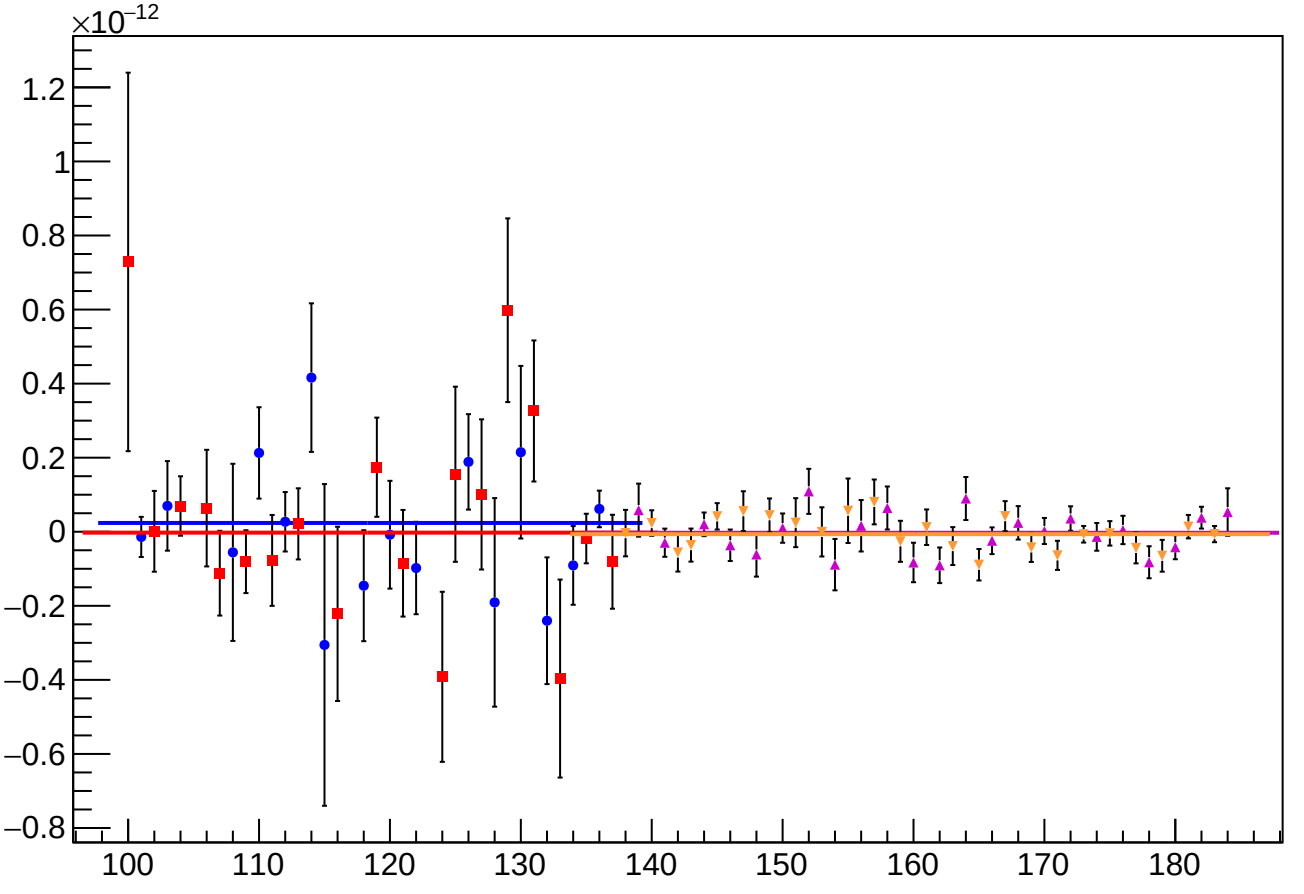
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 87.407+/-0.014 χ^2/NDF: 11863224.9/39

All: 87.847+/-0.010 χ^2/NDF: 21215613.2/81

- sign 88.287+/-0.014 χ^2/NDF: 9350461.8/41

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



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

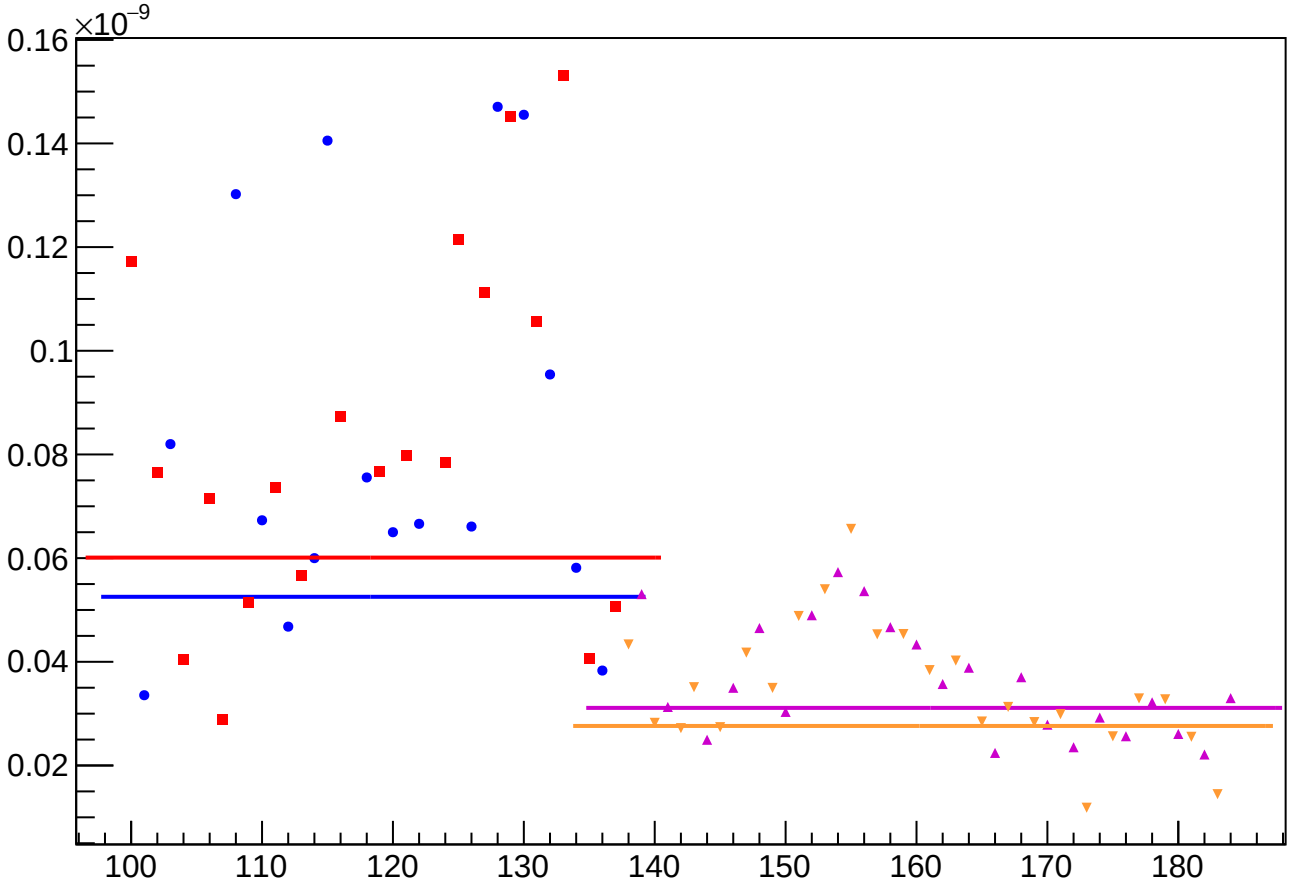
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/39

All: -0.000+/-0.000 χ^2/NDF: 90.1/81

- sign -0.000+/-0.000 χ^2/NDF: 50.8/41

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

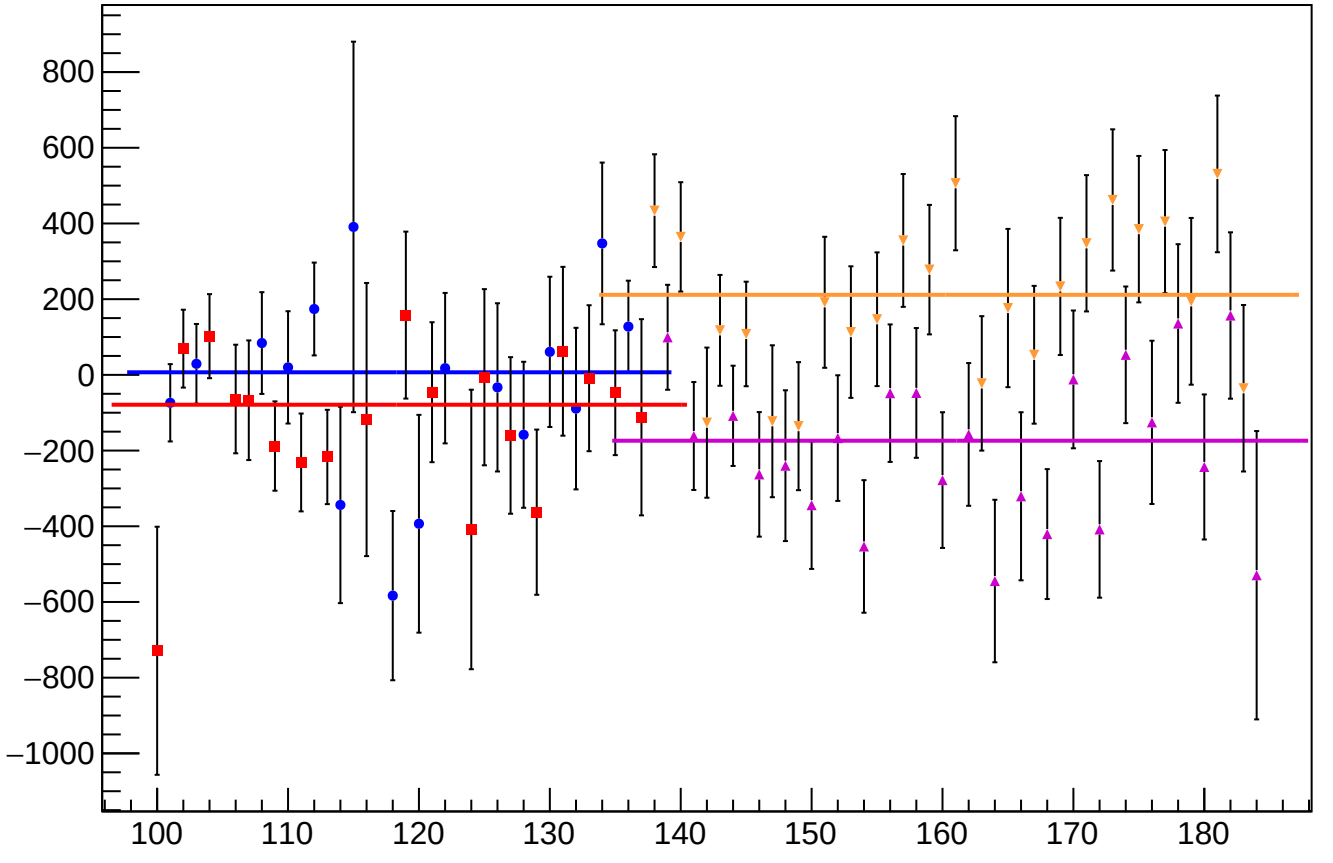
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6987940.9/39

All: 0.000+/-0.000 χ^2/NDF: 12526751.3/81

- sign 0.000+/-0.000 χ^2/NDF: 5319057.2/41

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 211.505+/-36.076 χ^2/NDF:28.7/23

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

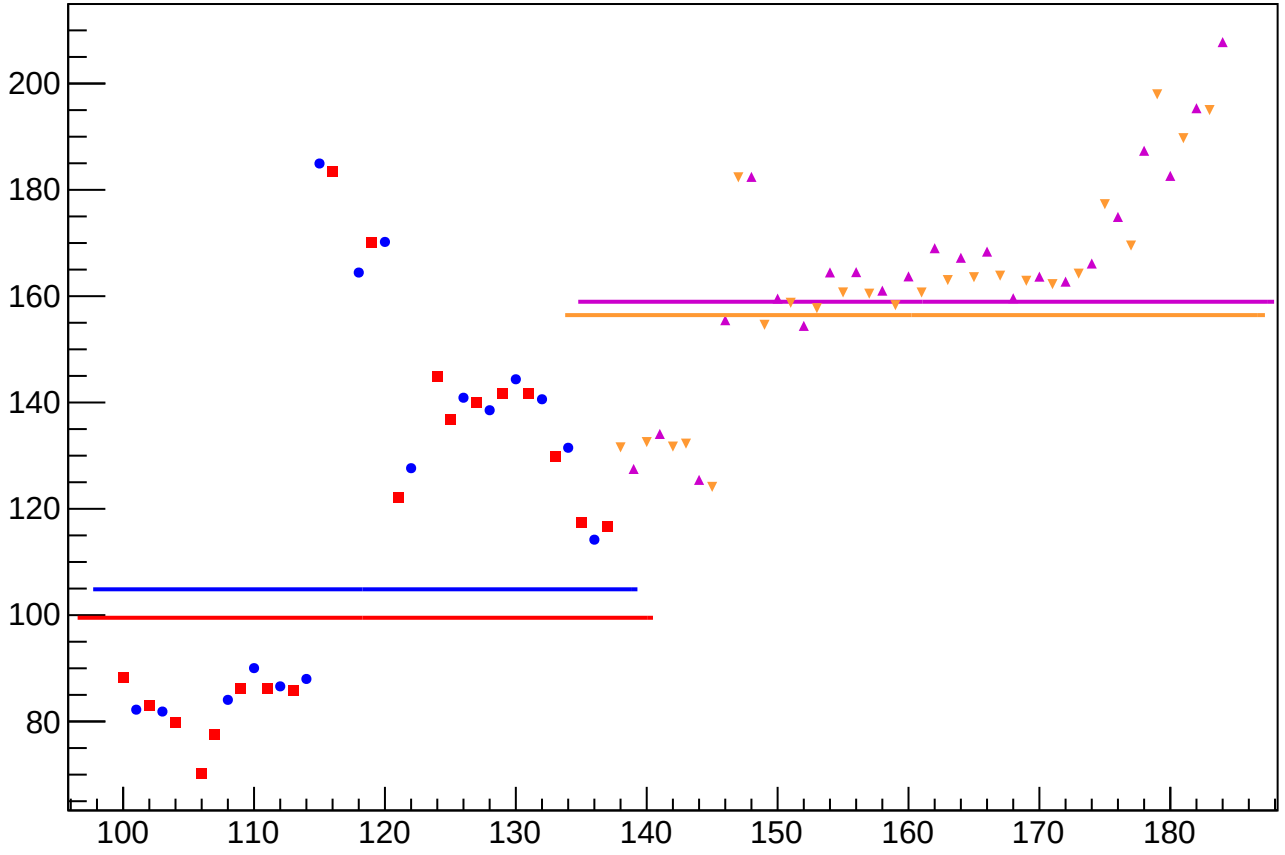
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 120.577+/-26.895 χ^2/NDF: 61.8/39

All: -4.493+/-18.921 χ^2/NDF: 149.0/81

- sign -127.061+/-26.625 χ^2/NDF: 44.4/41

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

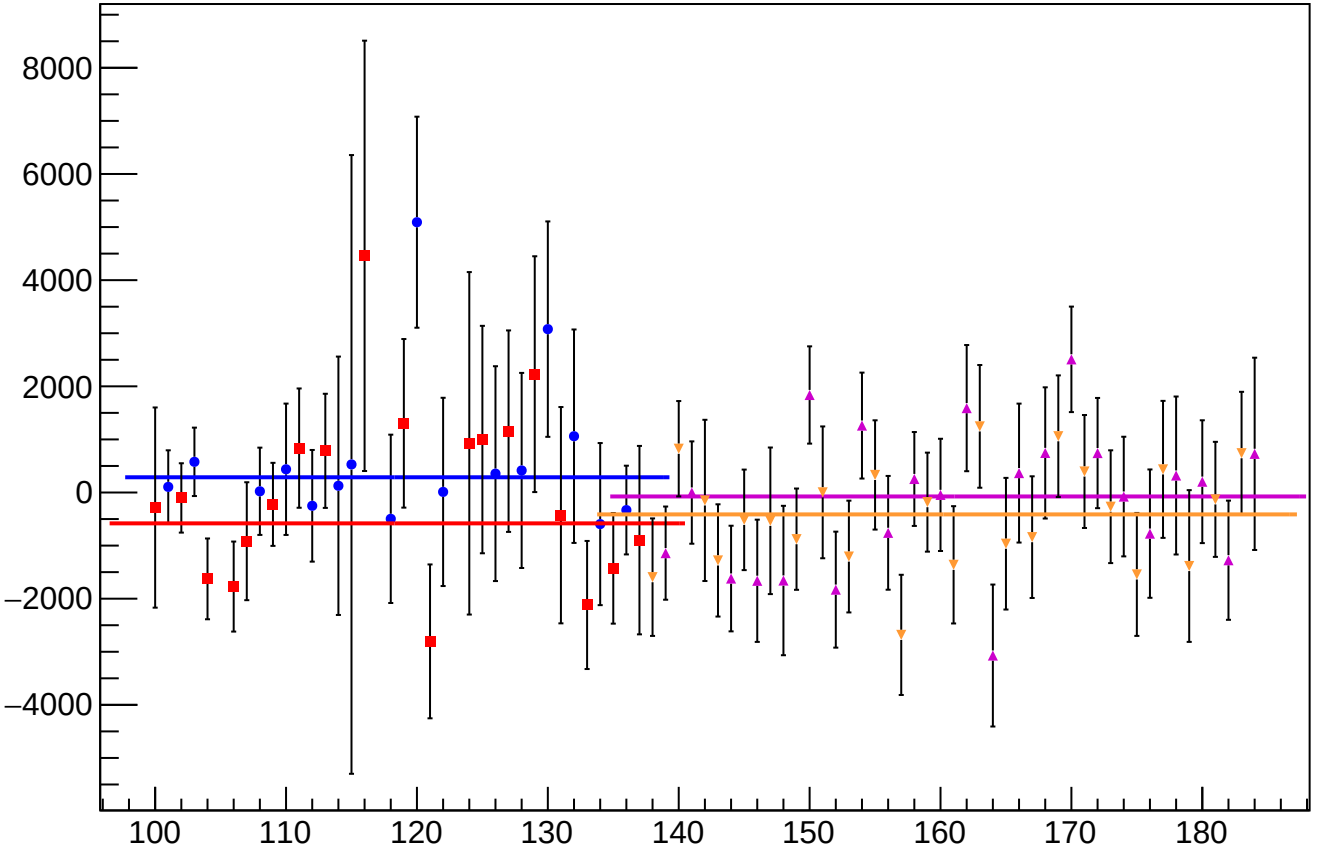
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 133.527+/-0.019 χ^2/NDF: 3324246.4/39

All: 131.556+/-0.013 χ^2/NDF: 7387810.7/81

- sign 129.625+/-0.019 χ^2/NDF: 4042300.3/41

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

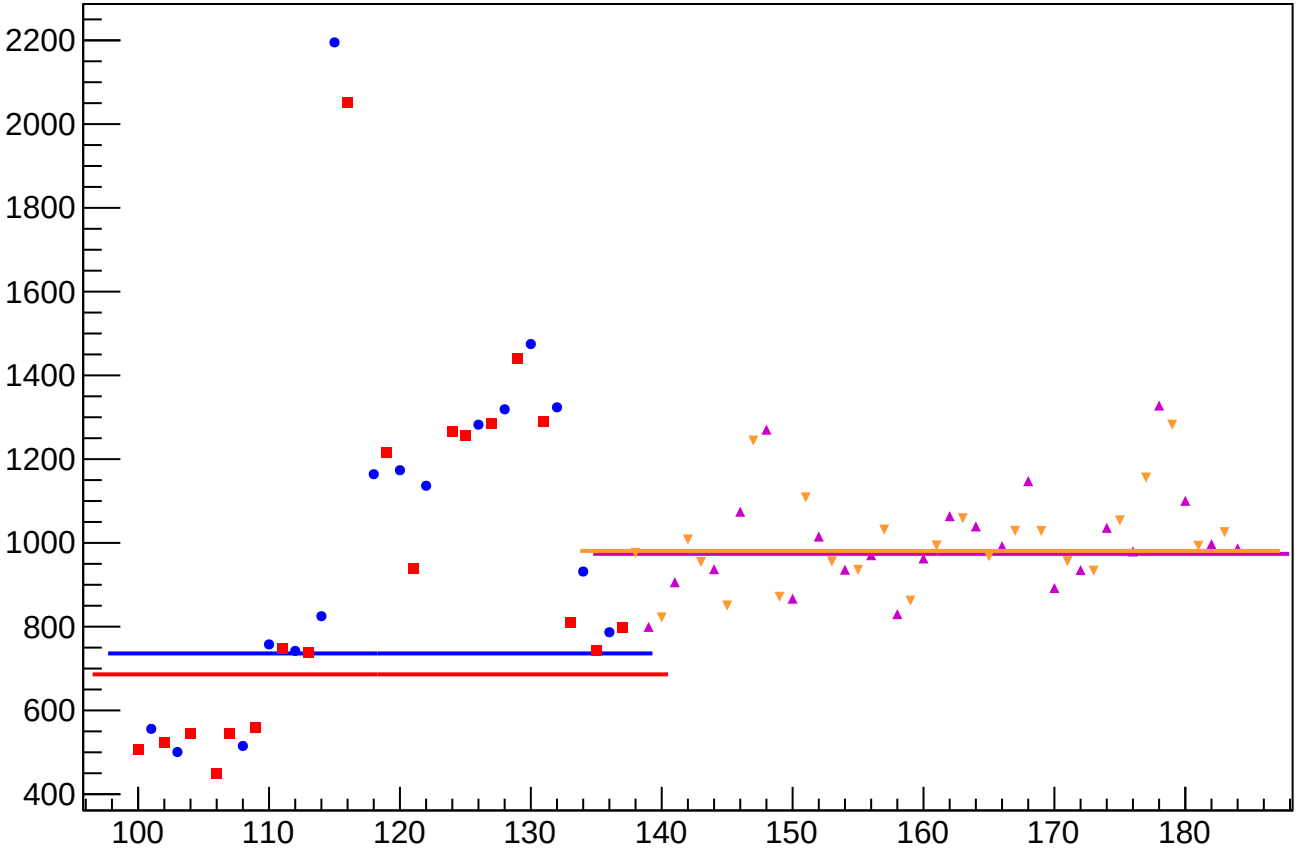
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

\+ sign -151.331+/-179.298 χ^2/NDF: 30.8/39

All: -221.105+/-125.210 χ^2/NDF: 85.0/81

\- sign -287.522+/-174.931 χ^2/NDF: 53.9/41

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

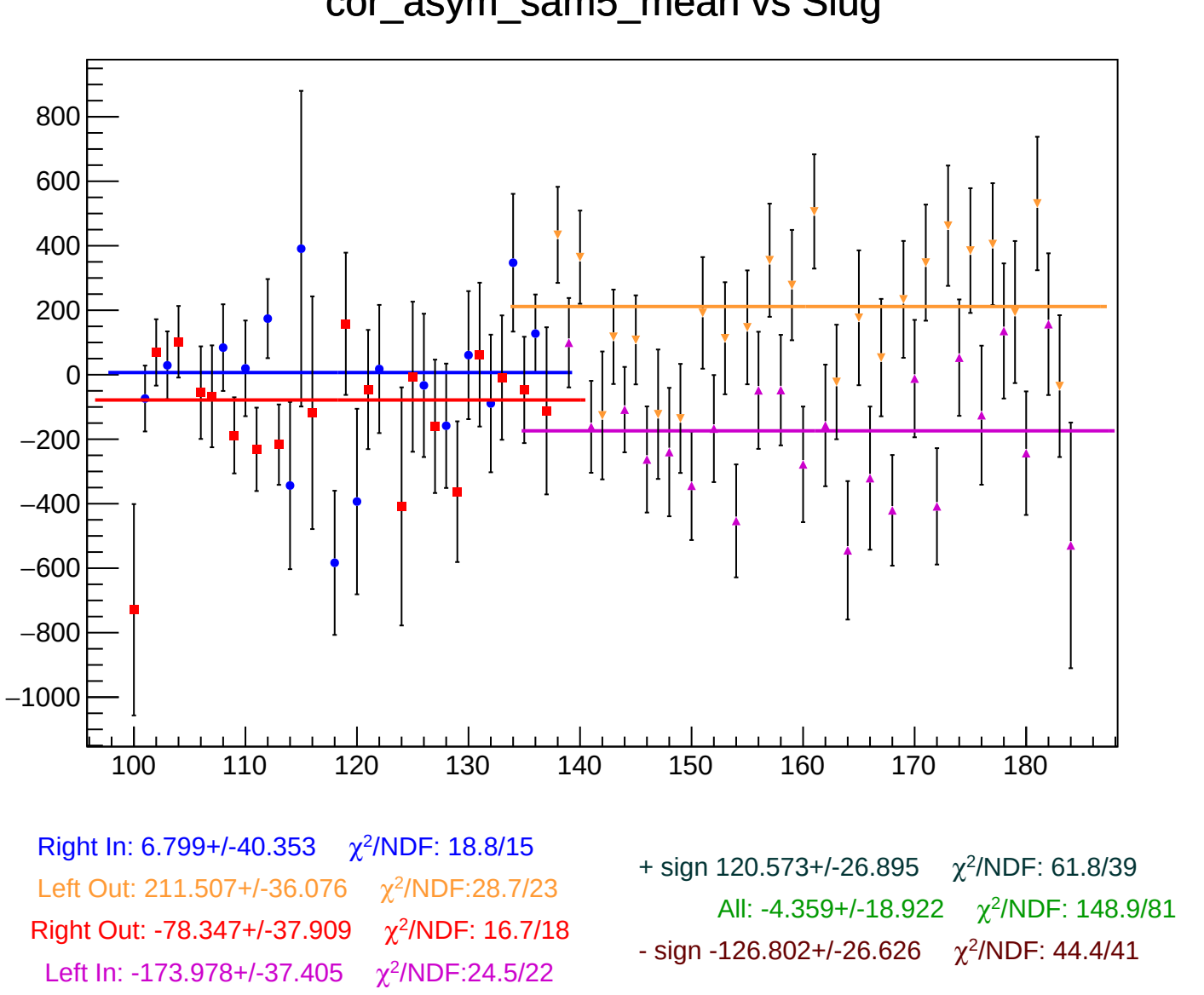
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

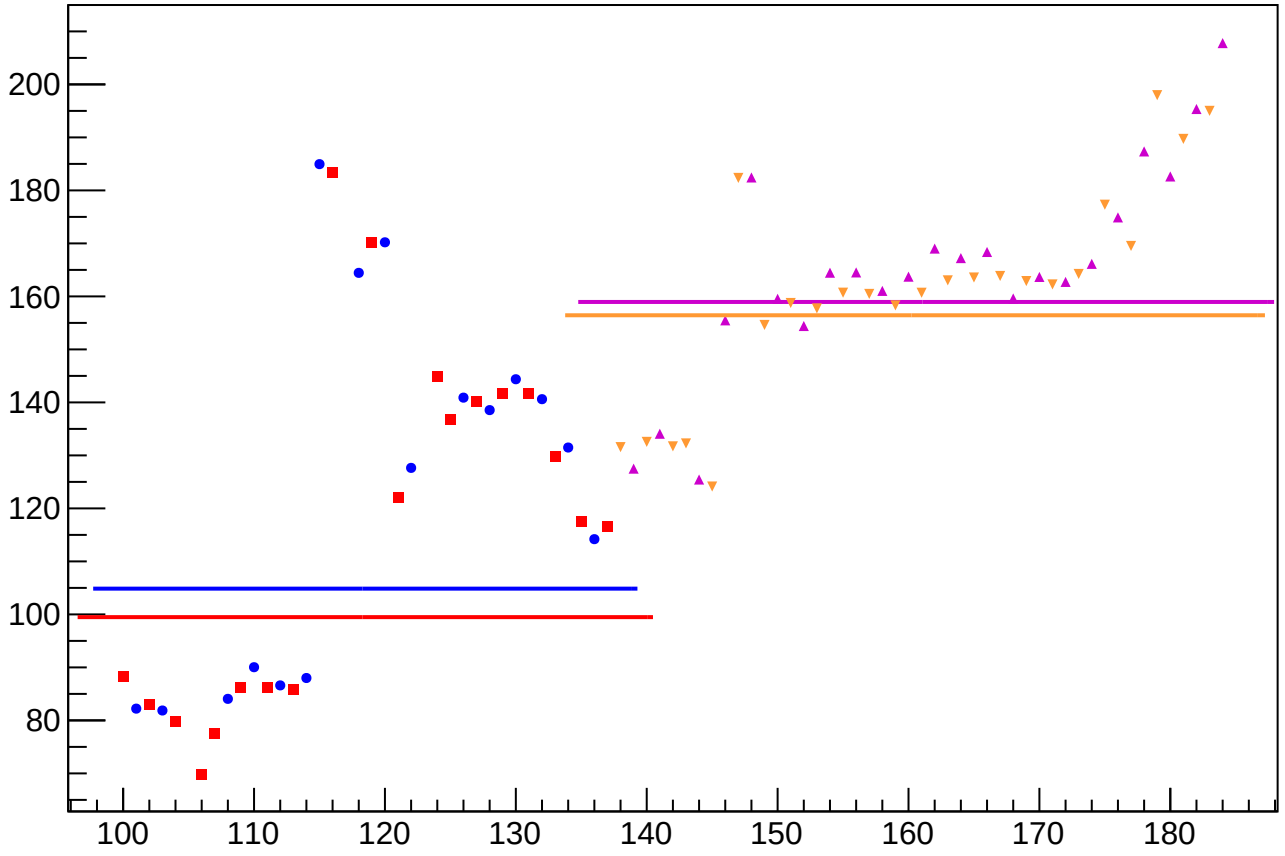
+ sign 889.492+/-0.127 χ^2/NDF: 3139261.7/39

All: 870.717+/-0.089 χ^2/NDF: 6818153.8/81

- sign 852.846+/-0.124 χ^2/NDF: 3636088.9/41


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
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -173.978+/-37.405 χ²/NDF:24.5/22
+ sign 120.573+/-26.895 χ²/NDF: 61.8/39
All: -4.359+/-18.922 χ²/NDF: 148.9/81
- sign -126.802+/-26.626 χ²/NDF: 44.4/41

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

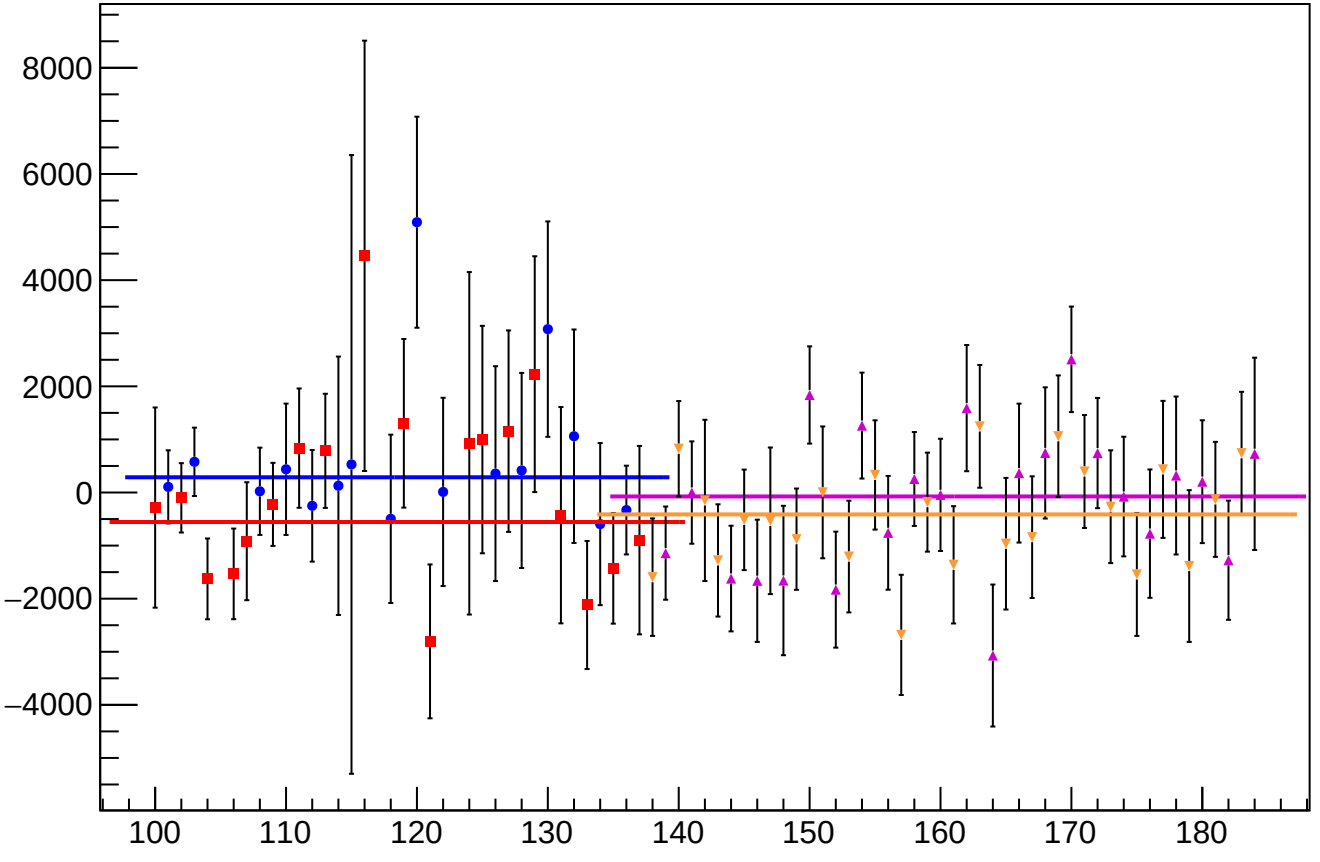
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

\+ sign 133.527+/-0.019 χ^2/NDF: 3324244.5/39

All: 131.551+/-0.013 χ^2/NDF: 7391925.2/81

\- sign 129.615+/-0.019 χ^2/NDF: 4046311.7/41

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

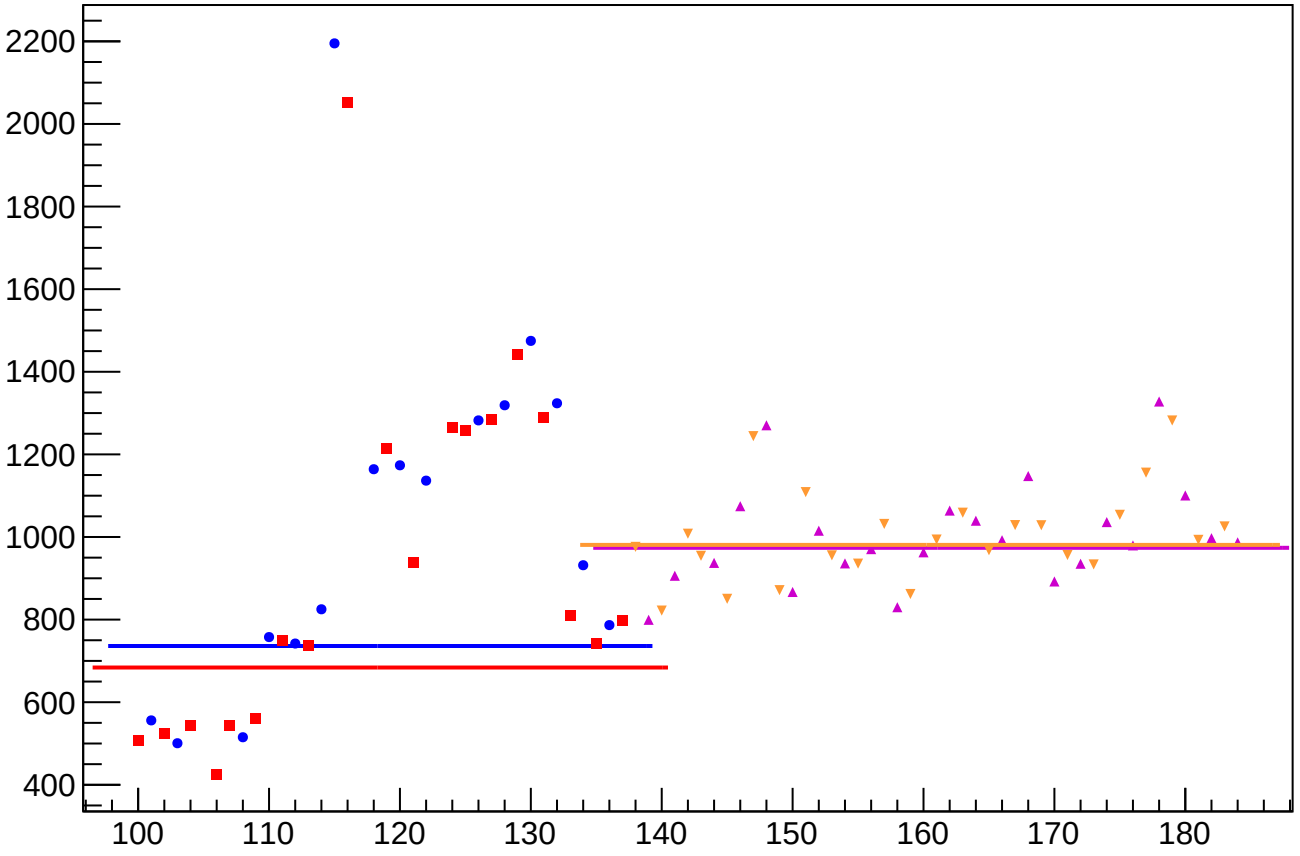
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

\+ sign -151.324+/-179.298 χ^2/NDF: 30.8/39

All: -215.451+/-125.228 χ^2/NDF: 84.0/81

\- sign -276.526+/-174.980 χ^2/NDF: 52.9/41

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

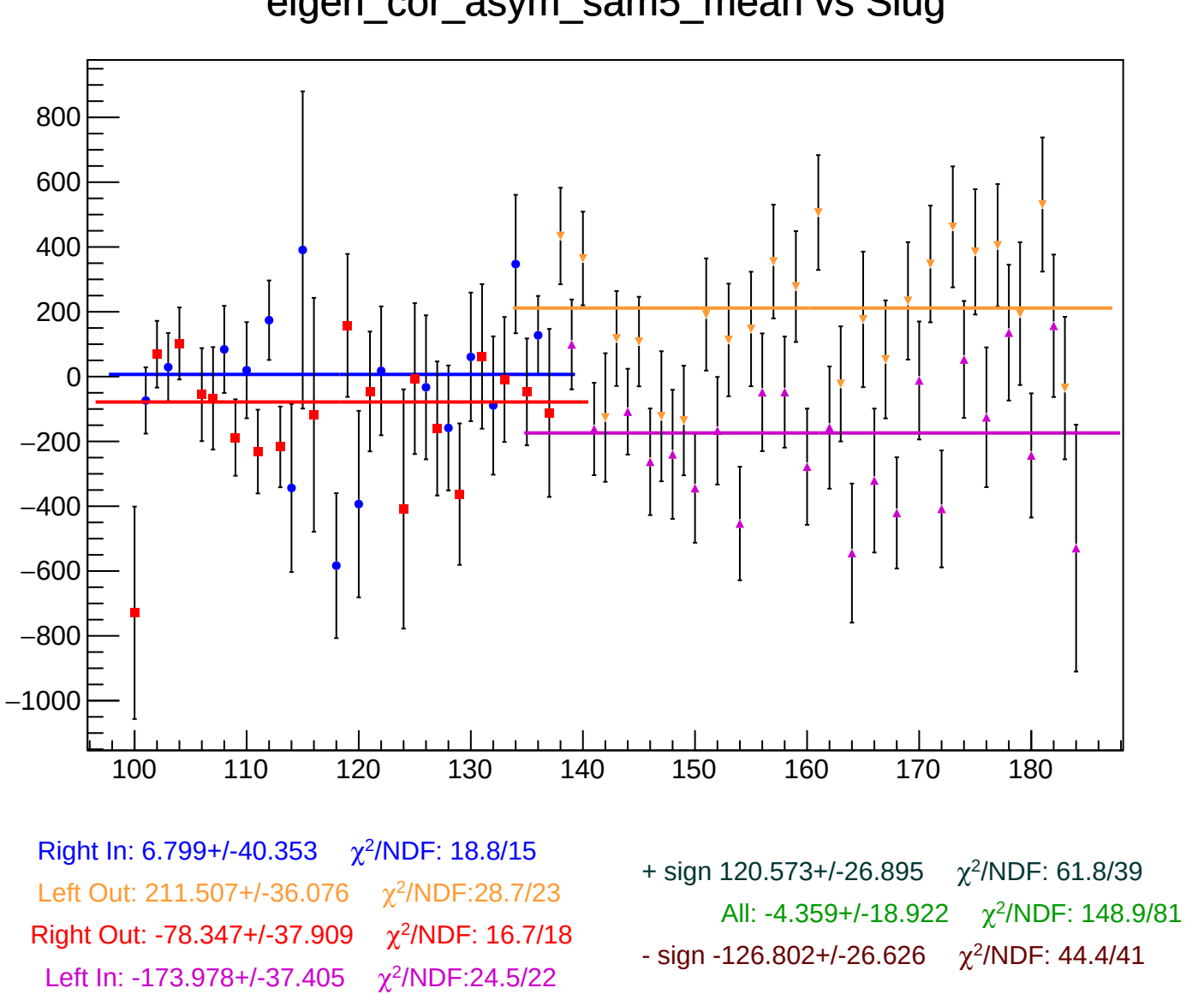
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

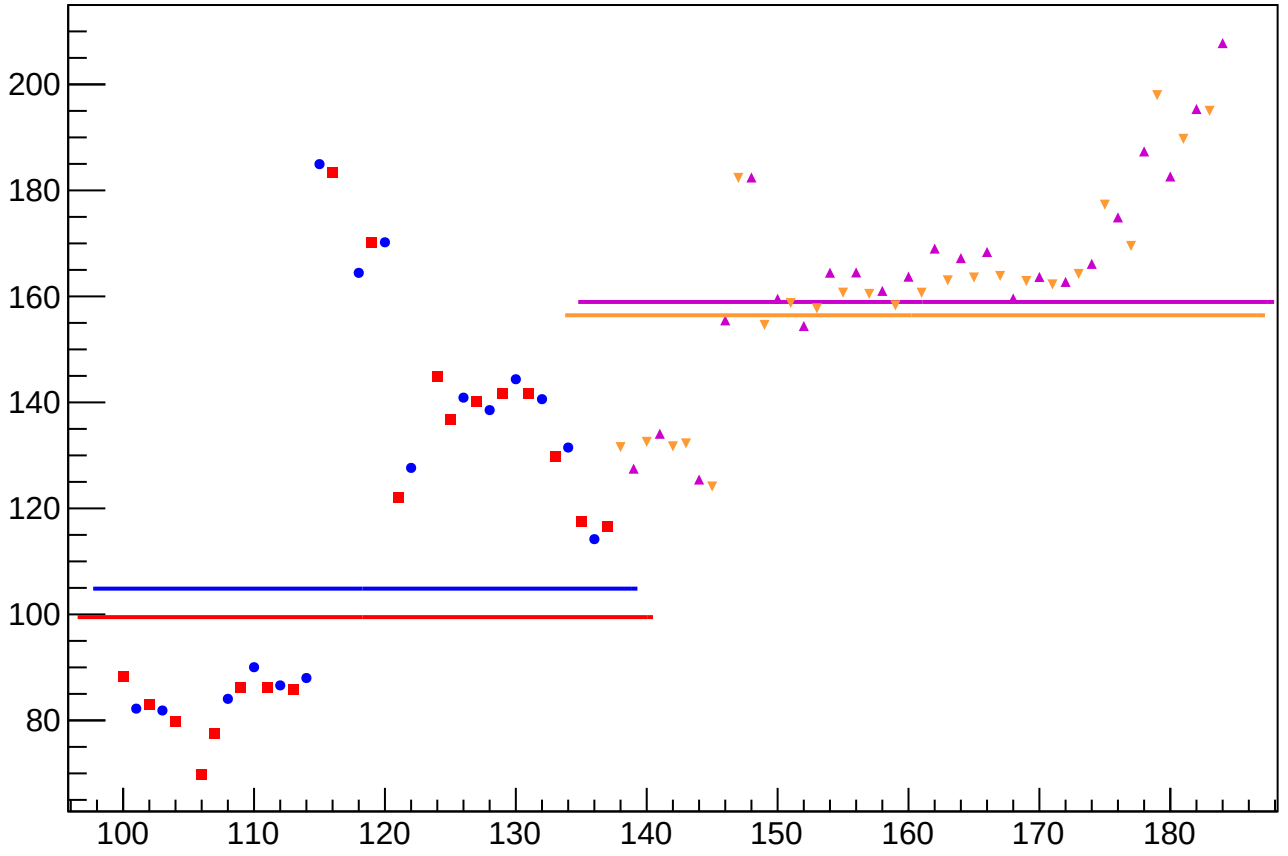
+ sign 889.492+/-0.127 χ^2/NDF: 3139268.7/39

All: 870.312+/-0.089 χ^2/NDF: 6869814.2/81

- sign 852.044+/-0.124 χ^2/NDF: 3685862.4/41


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
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -173.978+/-37.405 χ²/NDF:24.5/22
+ sign 120.573+/-26.895 χ²/NDF: 61.8/39
All: -4.359+/-18.922 χ²/NDF: 148.9/81
- sign -126.802+/-26.626 χ²/NDF: 44.4/41

eigen_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

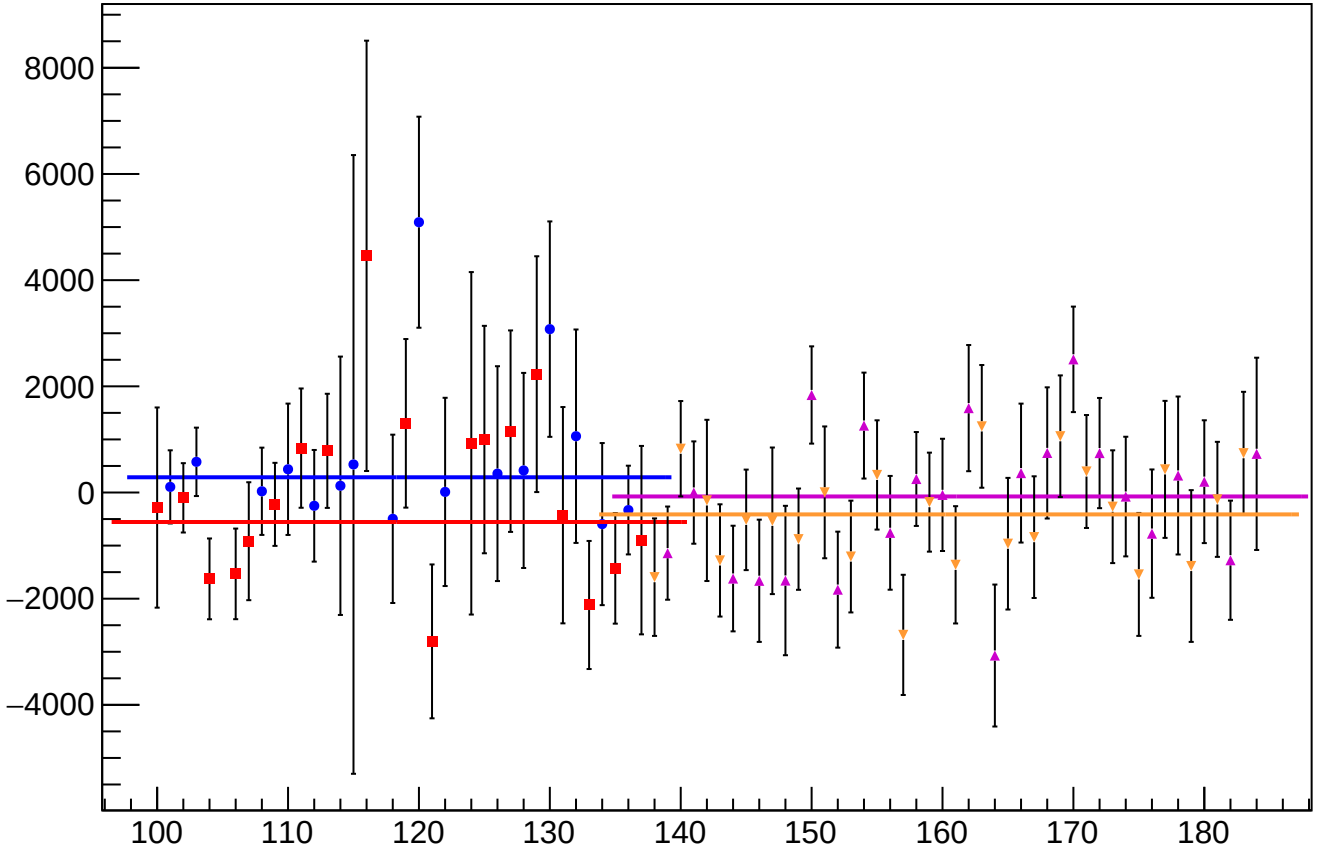
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

\+ sign 133.527+/-0.019 χ^2/NDF: 3324244.5/39

All: 131.551+/-0.013 χ^2/NDF: 7391925.2/81

\- sign 129.615+/-0.019 χ^2/NDF: 4046311.7/41

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

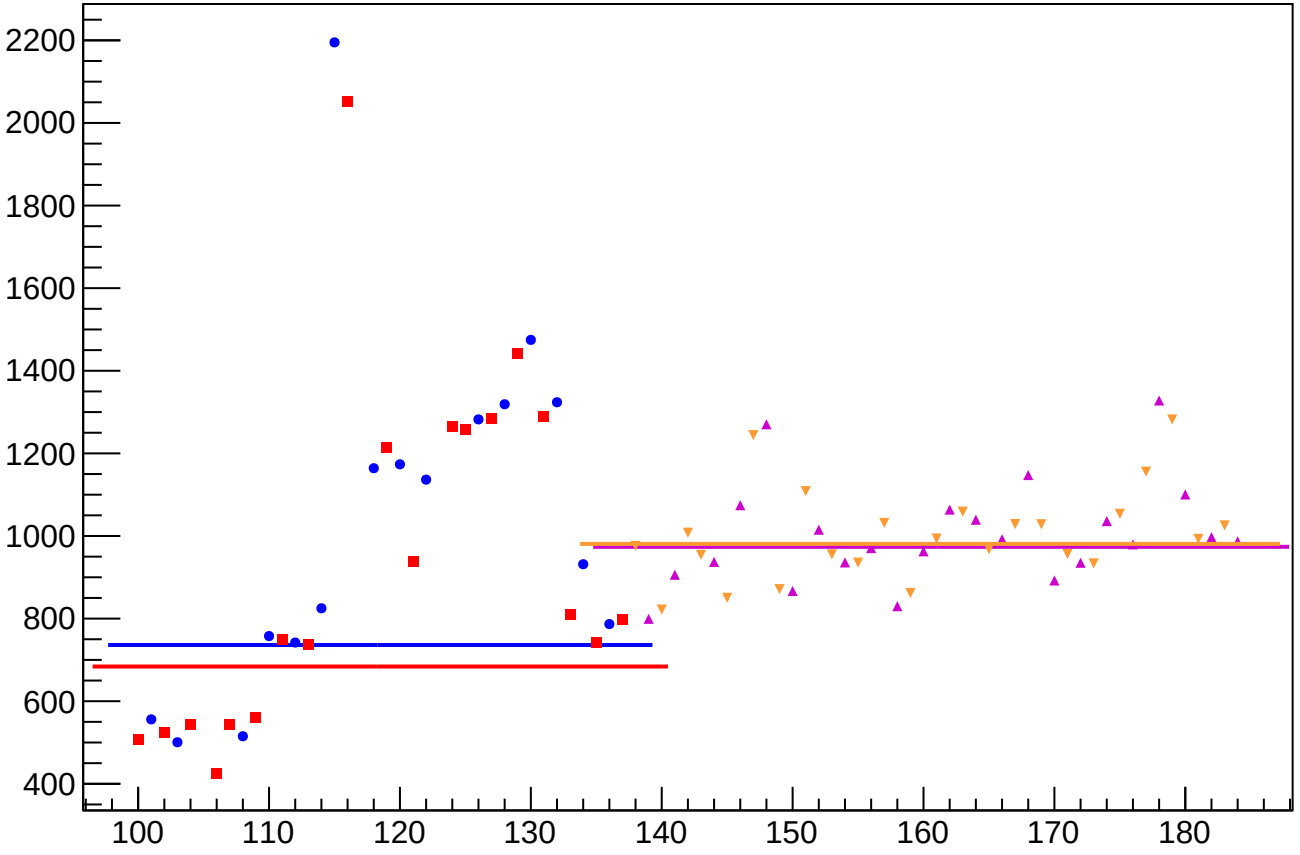
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

\+ sign -151.324+/-179.298 χ^2/NDF: 30.8/39

All: -215.451+/-125.228 χ^2/NDF: 84.0/81

\- sign -276.526+/-174.980 χ^2/NDF: 52.9/41

asym_sam5_eigen_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

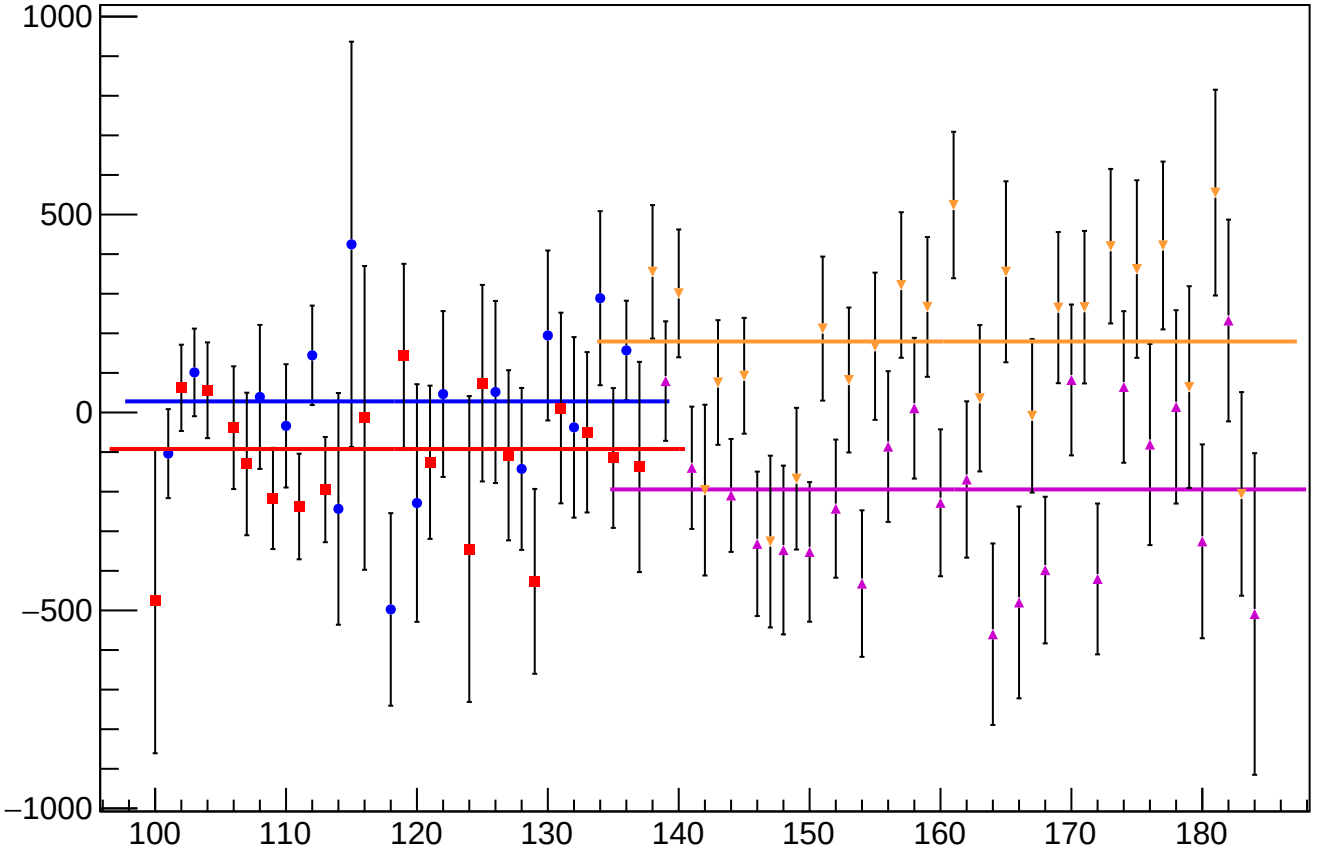
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 889.492+/-0.127 χ^2/NDF: 3139268.7/39

All: 870.312+/-0.089 χ^2/NDF: 6869814.2/81

- sign 852.044+/-0.124 χ^2/NDF: 3685862.4/41

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

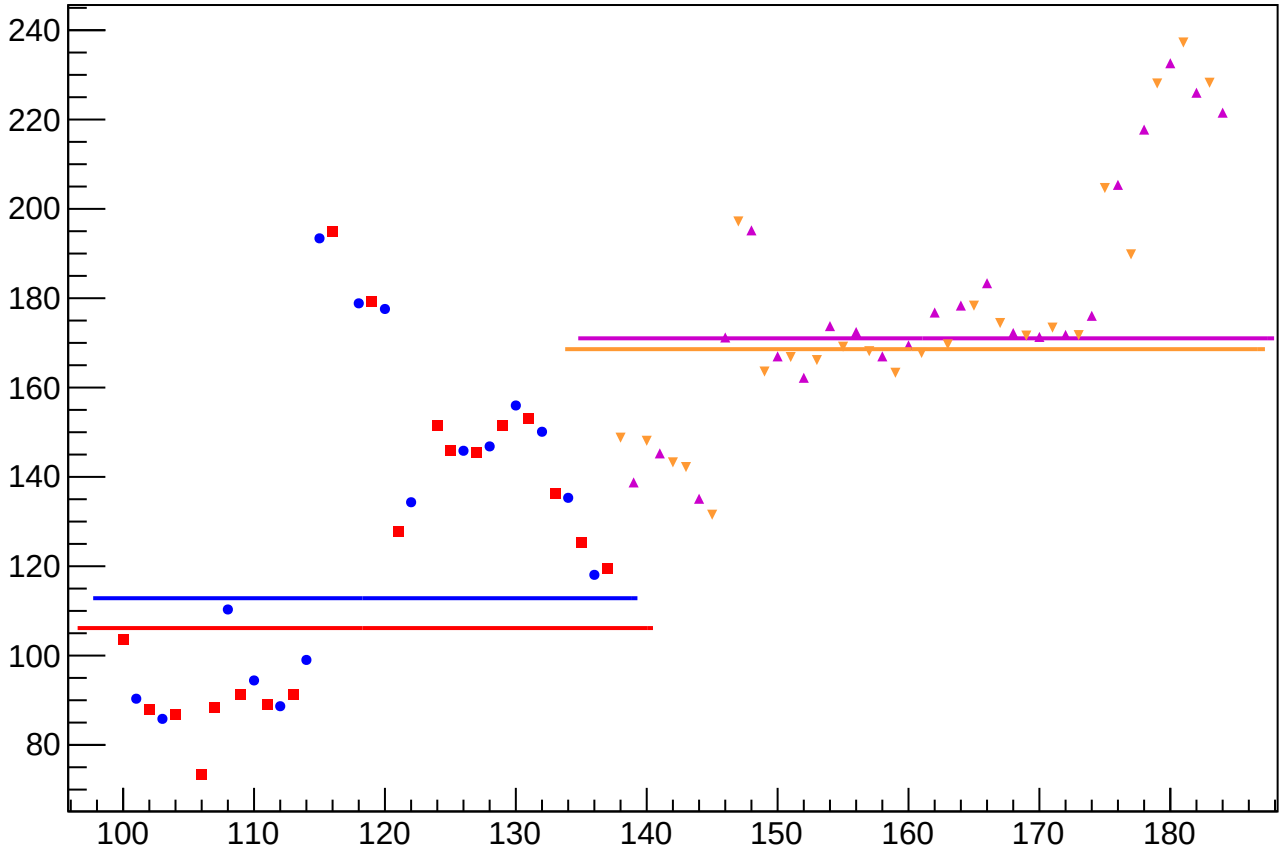
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 111.852+/-29.019 χ^2/NDF: 50.1/39

All: -17.624+/-20.373 χ^2/NDF: 128.1/81

- sign -143.481+/-28.610 χ^2/NDF: 38.7/41

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

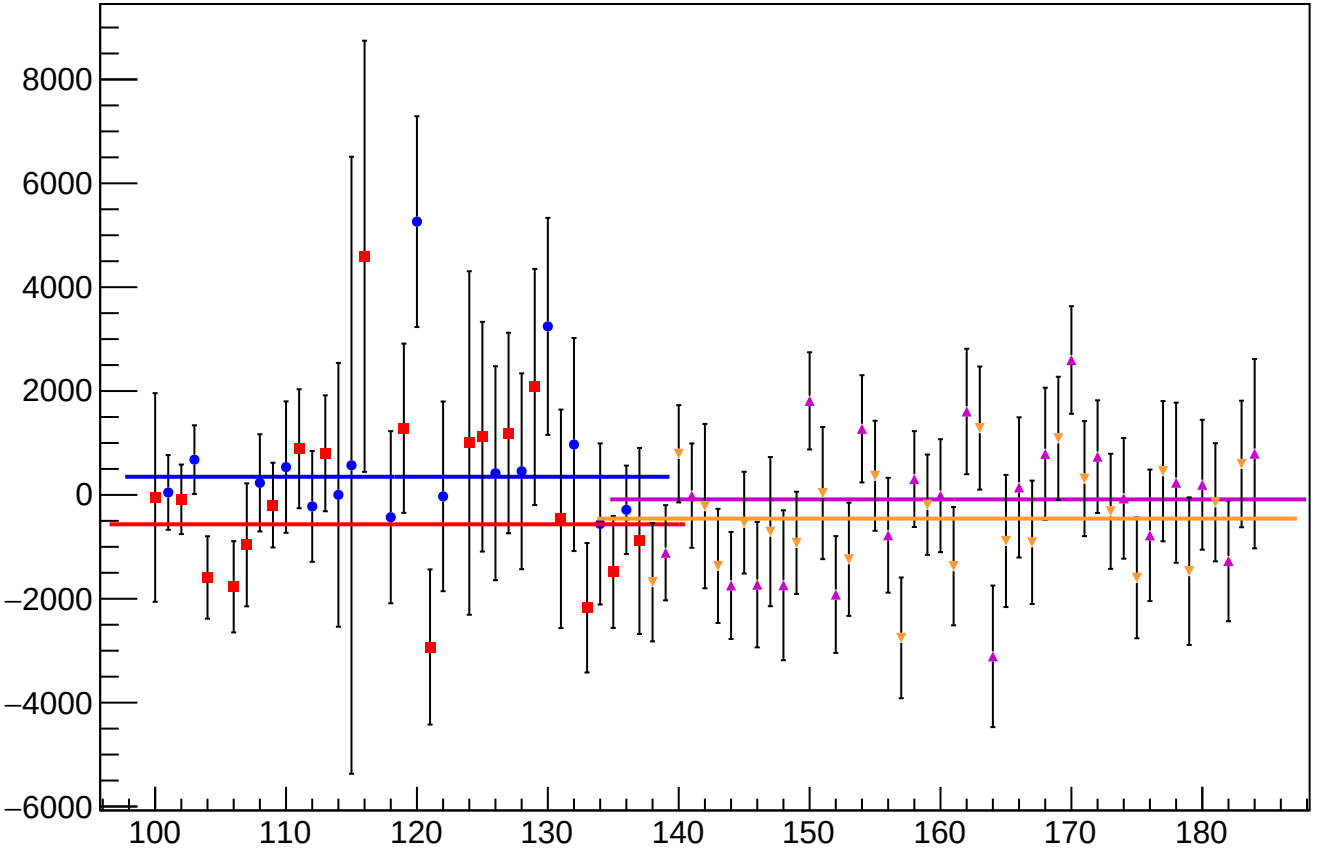
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 143.716+/-0.021 χ^2/NDF: 3443202.9/39

All: 141.179+/-0.014 χ^2/NDF: 7723423.0/81

- sign 138.714+/-0.020 χ^2/NDF: 4250094.5/41

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

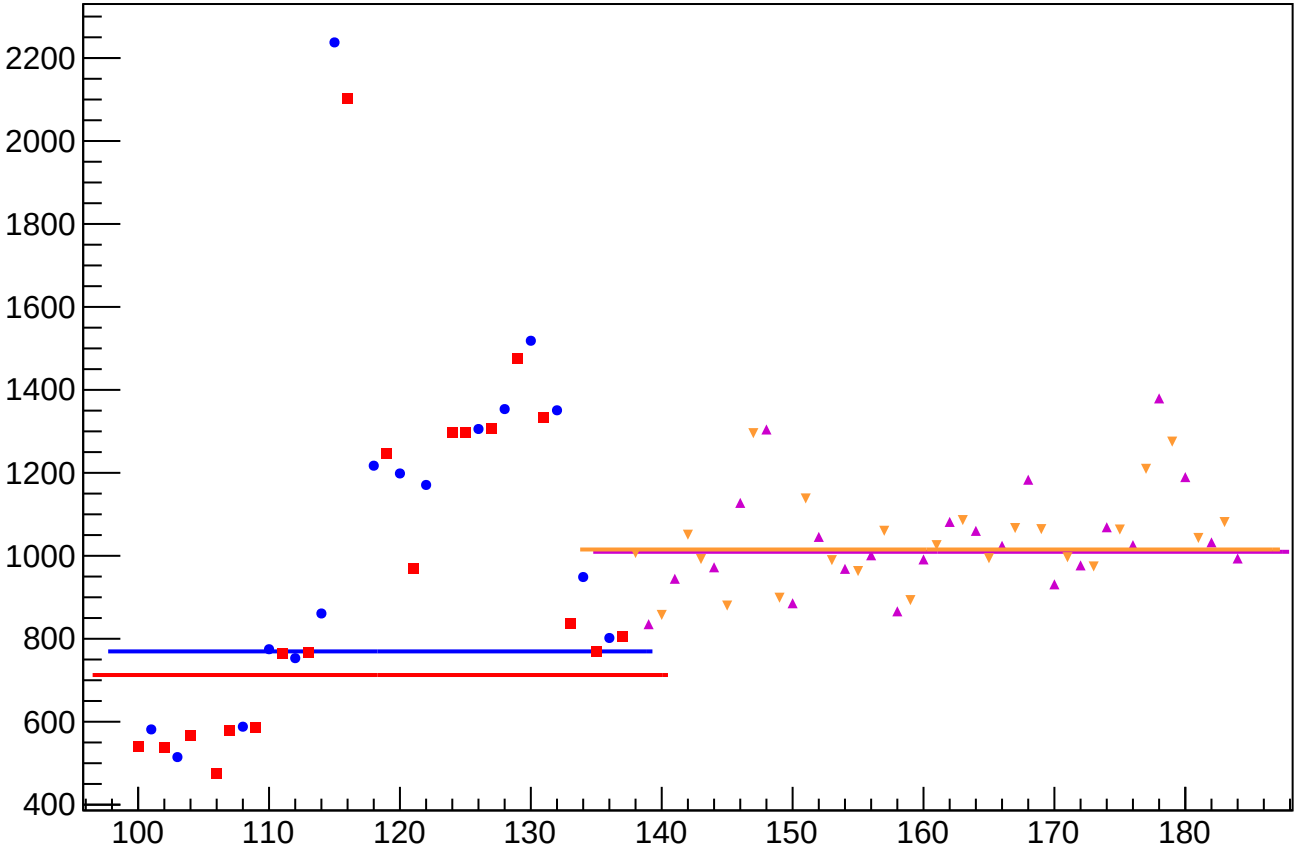
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

\+ sign -157.939+/-185.828 χ^2/NDF: 31.4/39

All: -224.833+/-129.732 χ^2/NDF: 84.0/81

\- sign -288.433+/-181.197 χ^2/NDF: 52.4/41

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

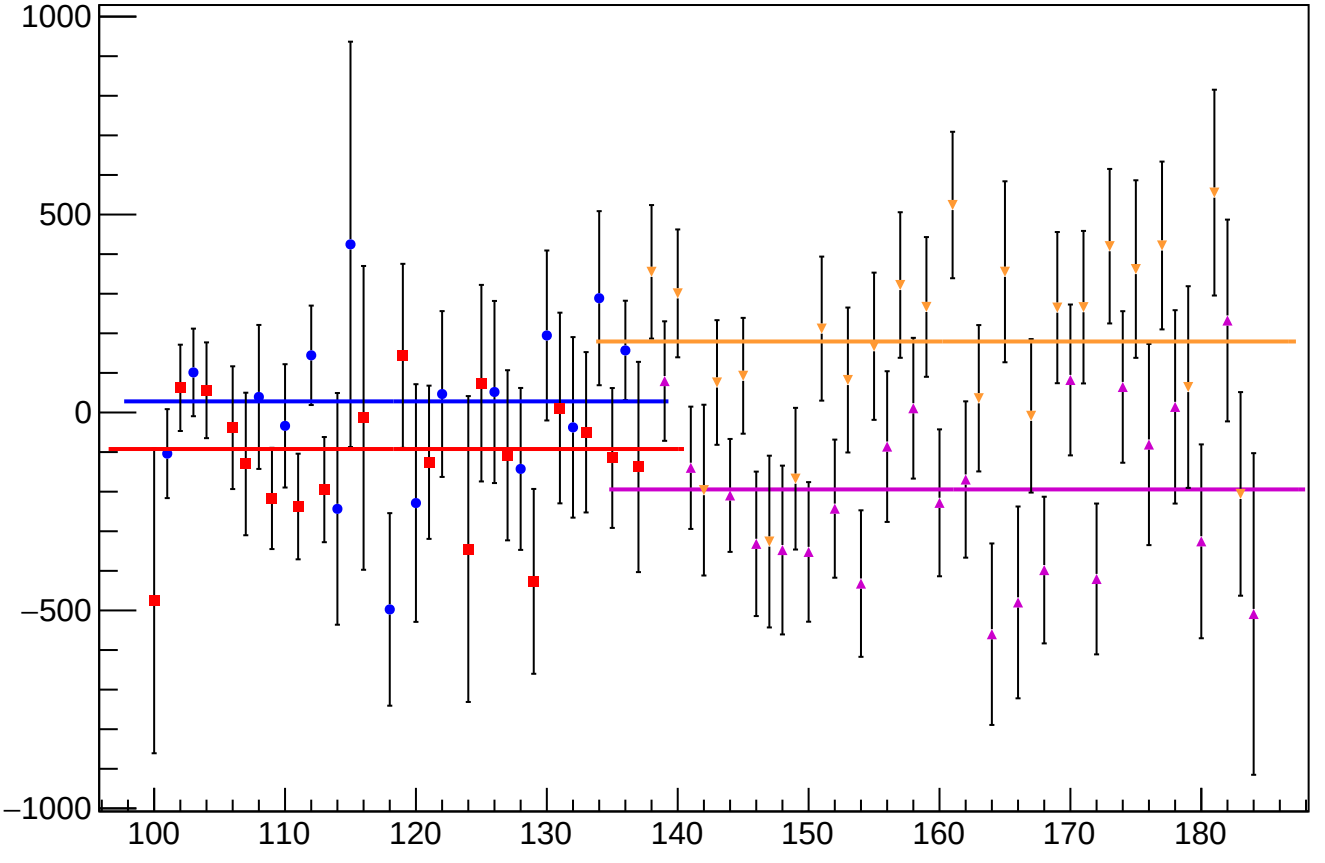
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 924.221+/-0.131 χ^2/NDF: 2952944.0/39

All: 903.900+/-0.092 χ^2/NDF: 6575894.2/81

- sign 884.579+/-0.128 χ^2/NDF: 3576292.8/41

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

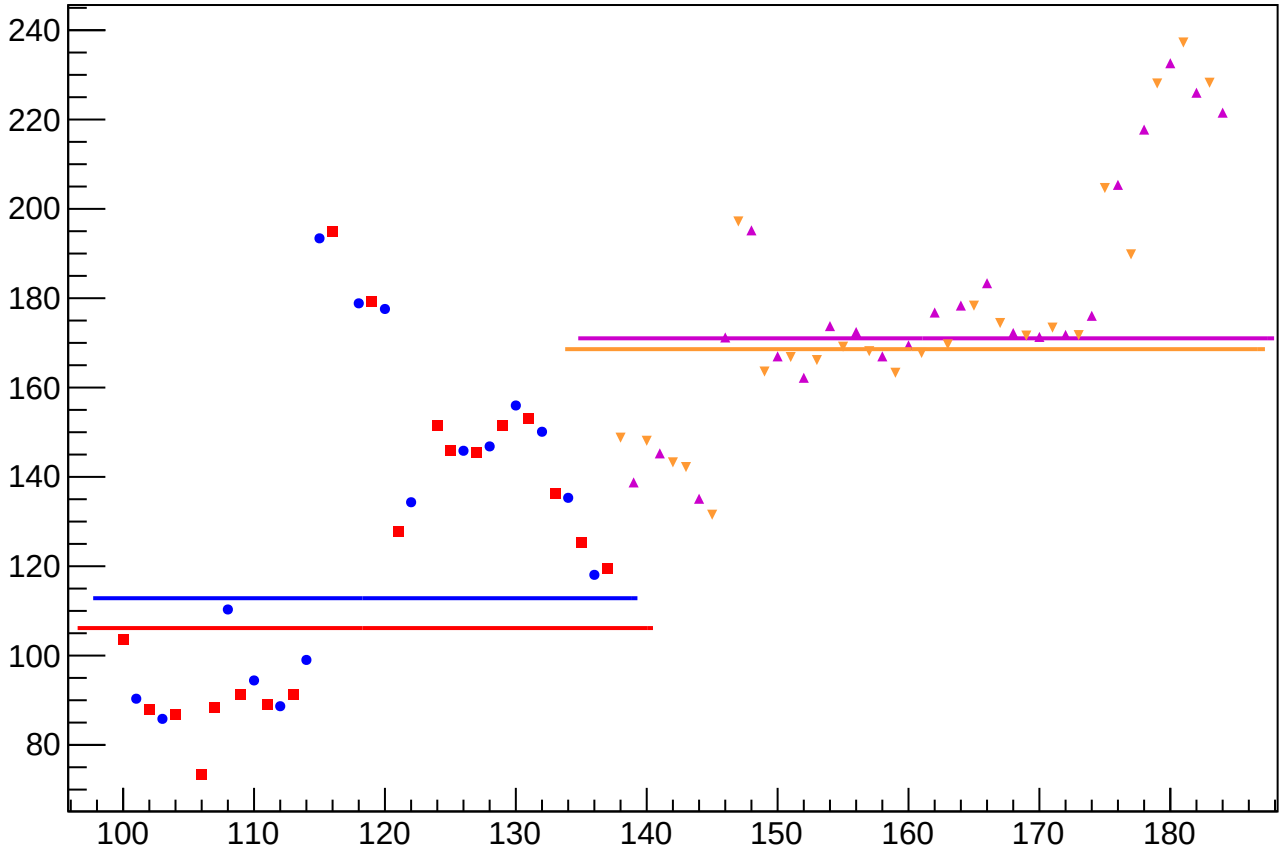
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 111.852+/-29.019 χ^2/NDF: 50.1/39

All: -17.624+/-20.373 χ^2/NDF: 128.1/81

- sign -143.481+/-28.610 χ^2/NDF: 38.7/41

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

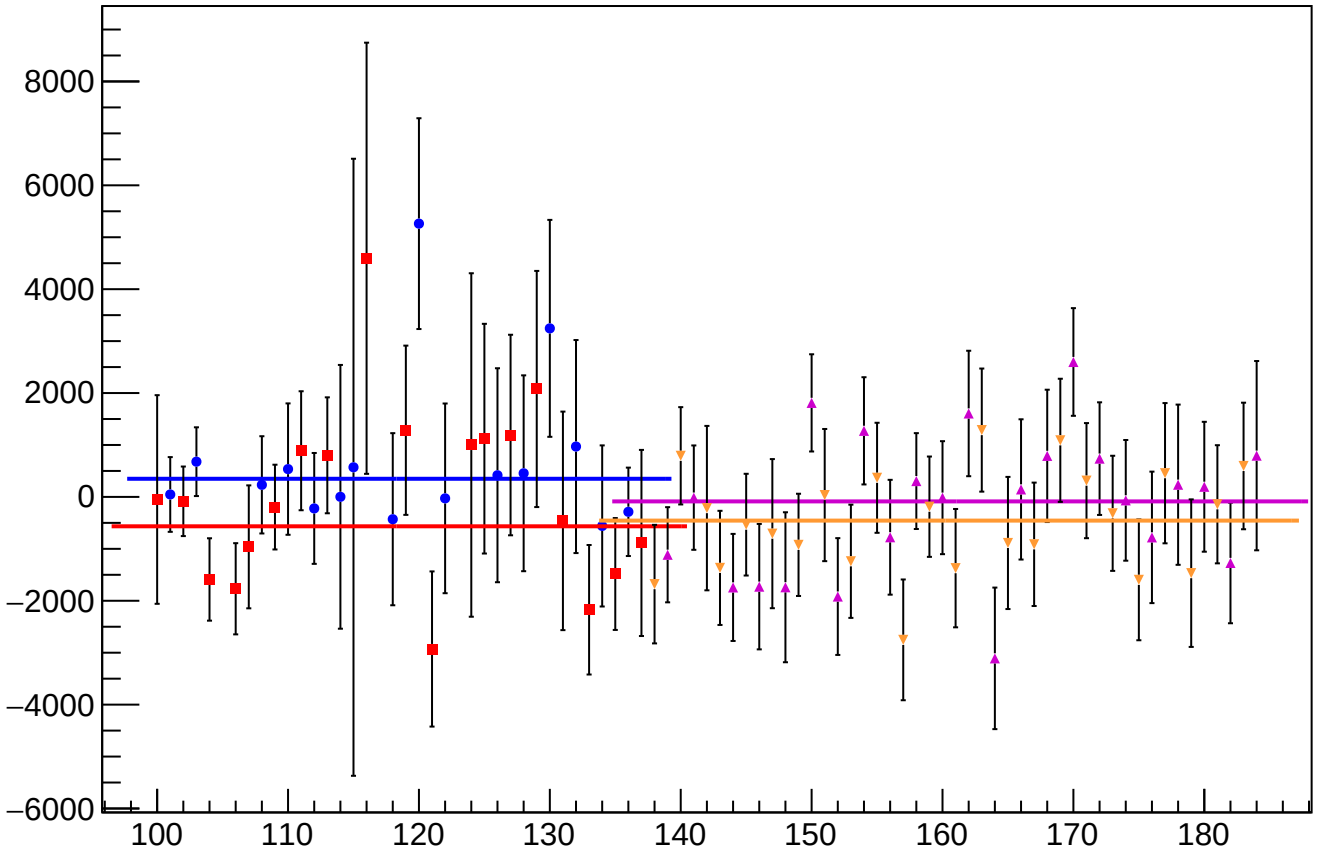
Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 143.715+/-0.021 χ^2/NDF: 3443217.1/39

All: 141.179+/-0.014 χ^2/NDF: 7723455.1/81

- sign 138.714+/-0.020 χ^2/NDF: 4250113.1/41



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -456.260+/-234.198 χ^2/NDF:17.2/23

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

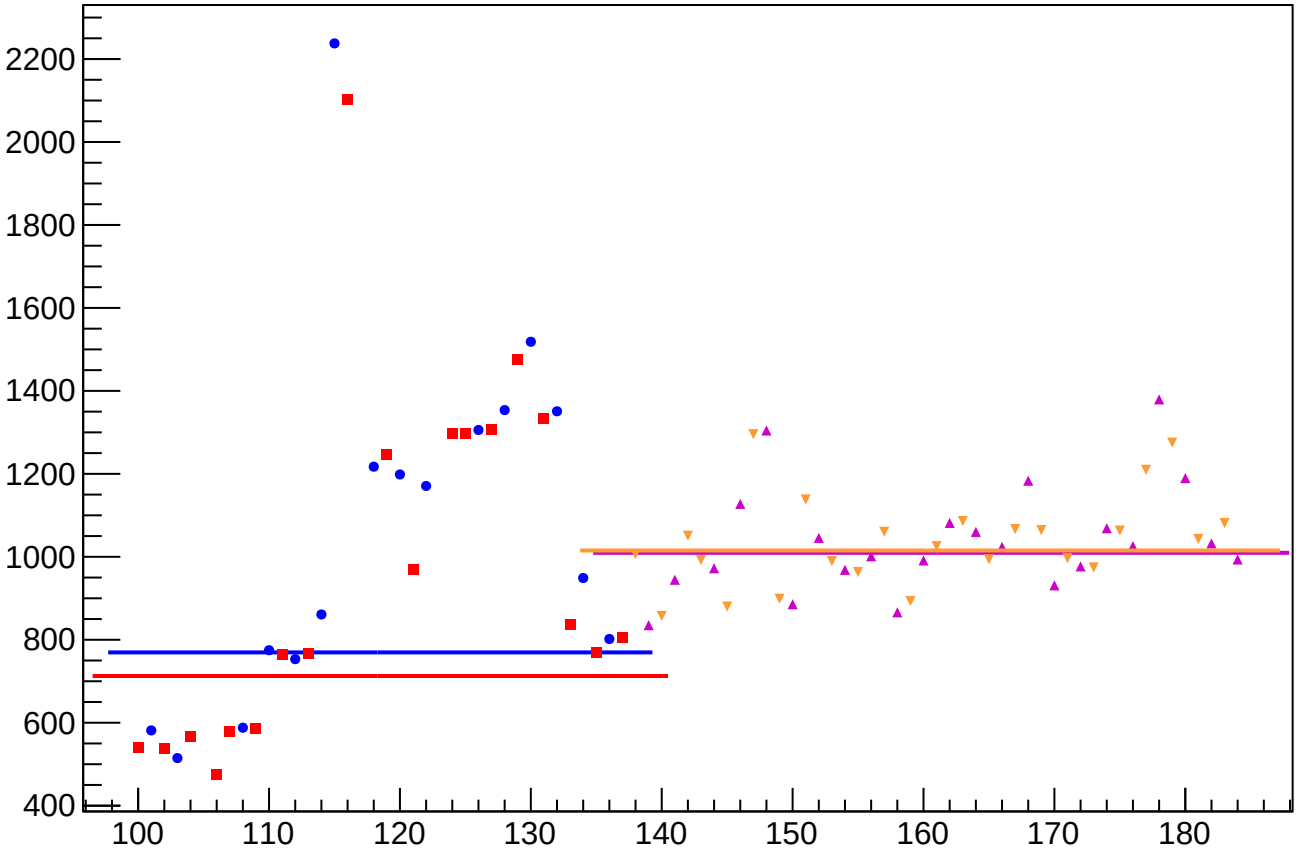
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -157.938+/-185.828 χ^2/NDF: 31.4/39

All: -224.832+/-129.732 χ^2/NDF: 84.0/81

- sign -288.434+/-181.197 χ^2/NDF: 52.4/41

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1015.218+/-0.166 χ^2/NDF:397888.0/23

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

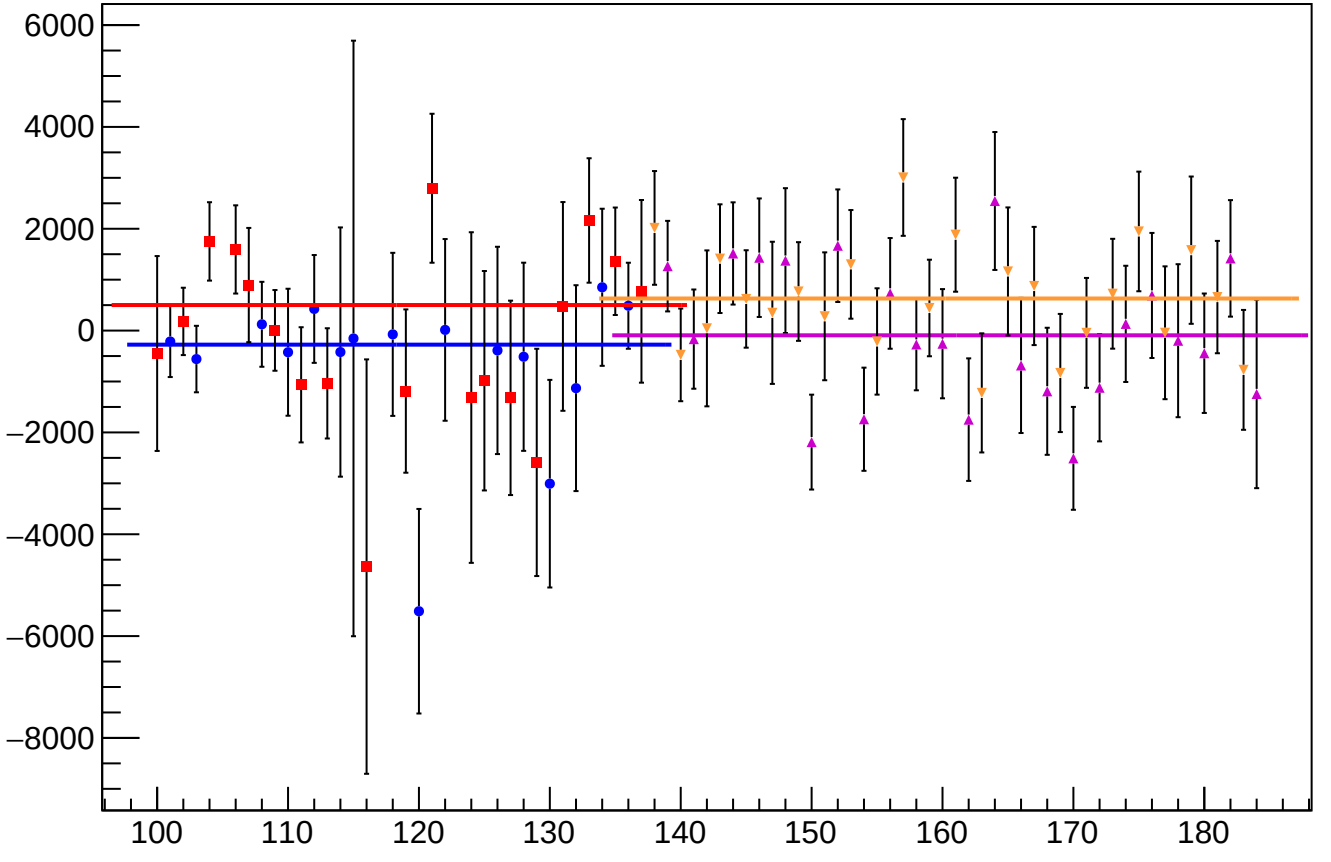
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 924.221+/-0.131 χ^2/NDF: 2952955.7/39

All: 903.900+/-0.092 χ^2/NDF: 6575921.5/81

- sign 884.579+/-0.128 χ^2/NDF: 3576308.2/41

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

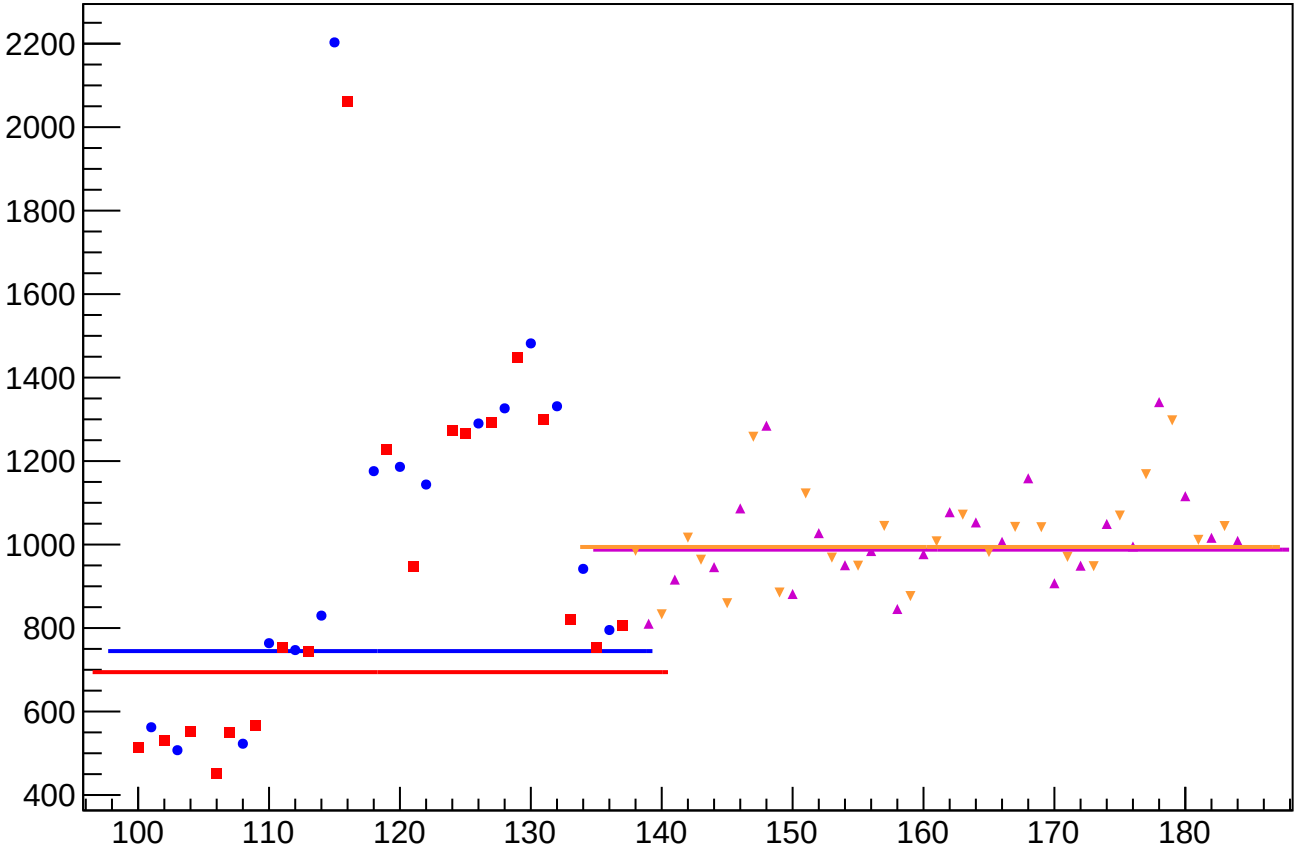
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 290.836+/-181.540 χ^2/NDF: 35.5/39

All: 222.805+/-126.818 χ^2/NDF: 93.6/81

- sign 157.965+/-177.233 χ^2/NDF: 57.8/41

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

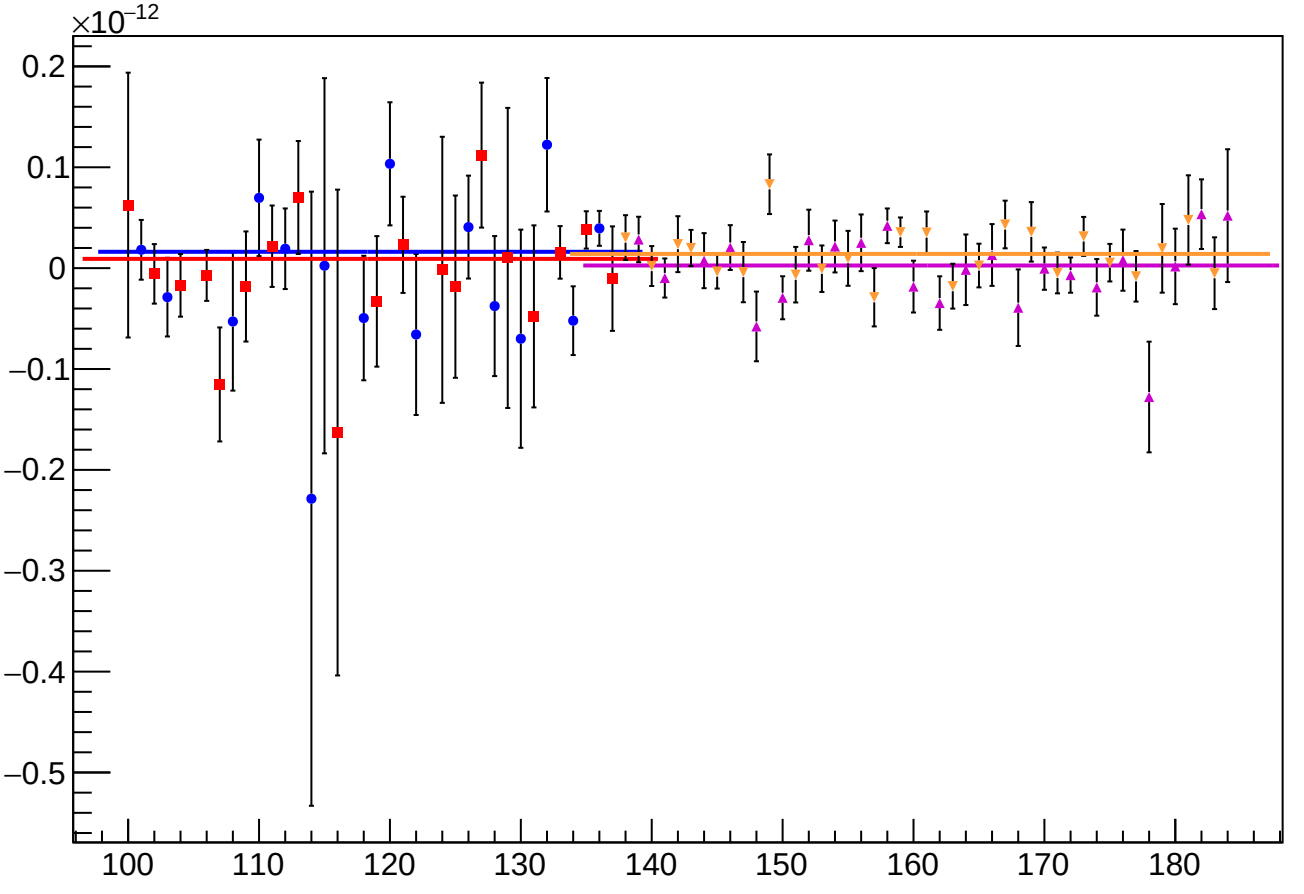
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 900.832+/-0.128 χ^2/NDF: 3125468.3/39

All: 882.026+/-0.090 χ^2/NDF: 6795663.4/81

- sign 864.102+/-0.125 χ^2/NDF: 3628276.5/41

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

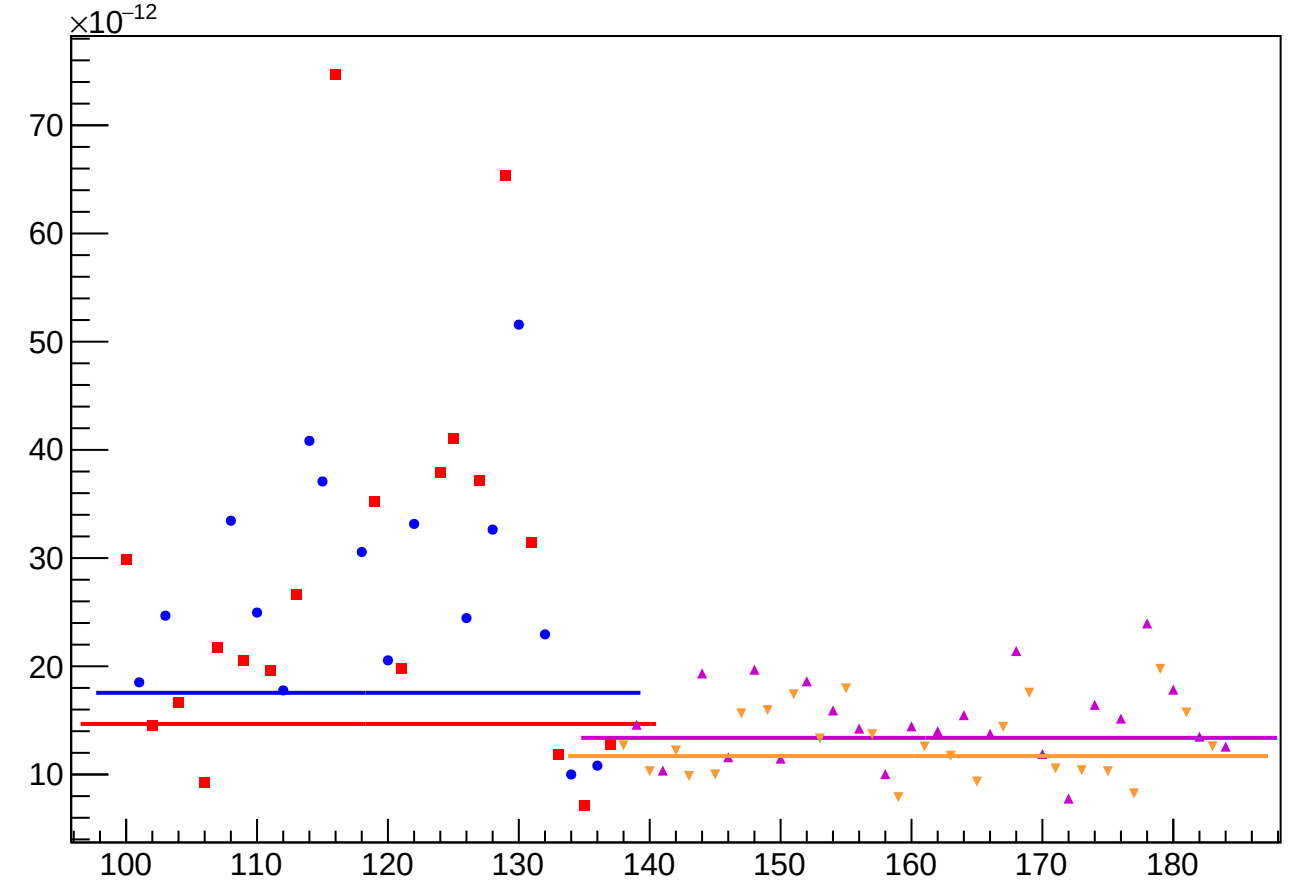
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/39

All: 0.000+/-0.000 χ^2/NDF: 85.5/81

- sign 0.000+/-0.000 χ^2/NDF: 42.6/41



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

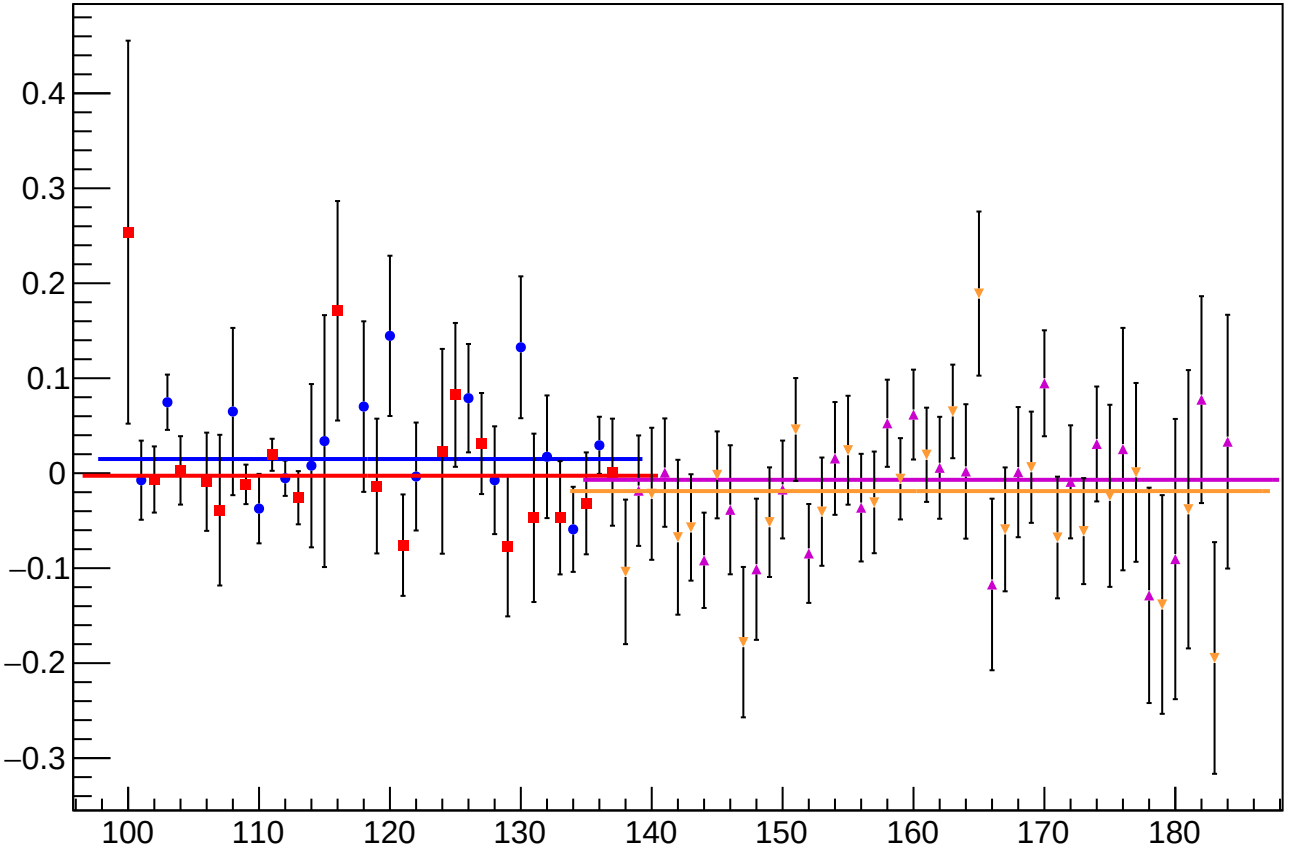
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2420712.6/39

All: 0.000+/-0.000 χ^2/NDF: 5101337.3/81

- sign 0.000+/-0.000 χ^2/NDF: 2623726.2/41

asym_sam5_dit_vs_cor_diff_mean vs Slug



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

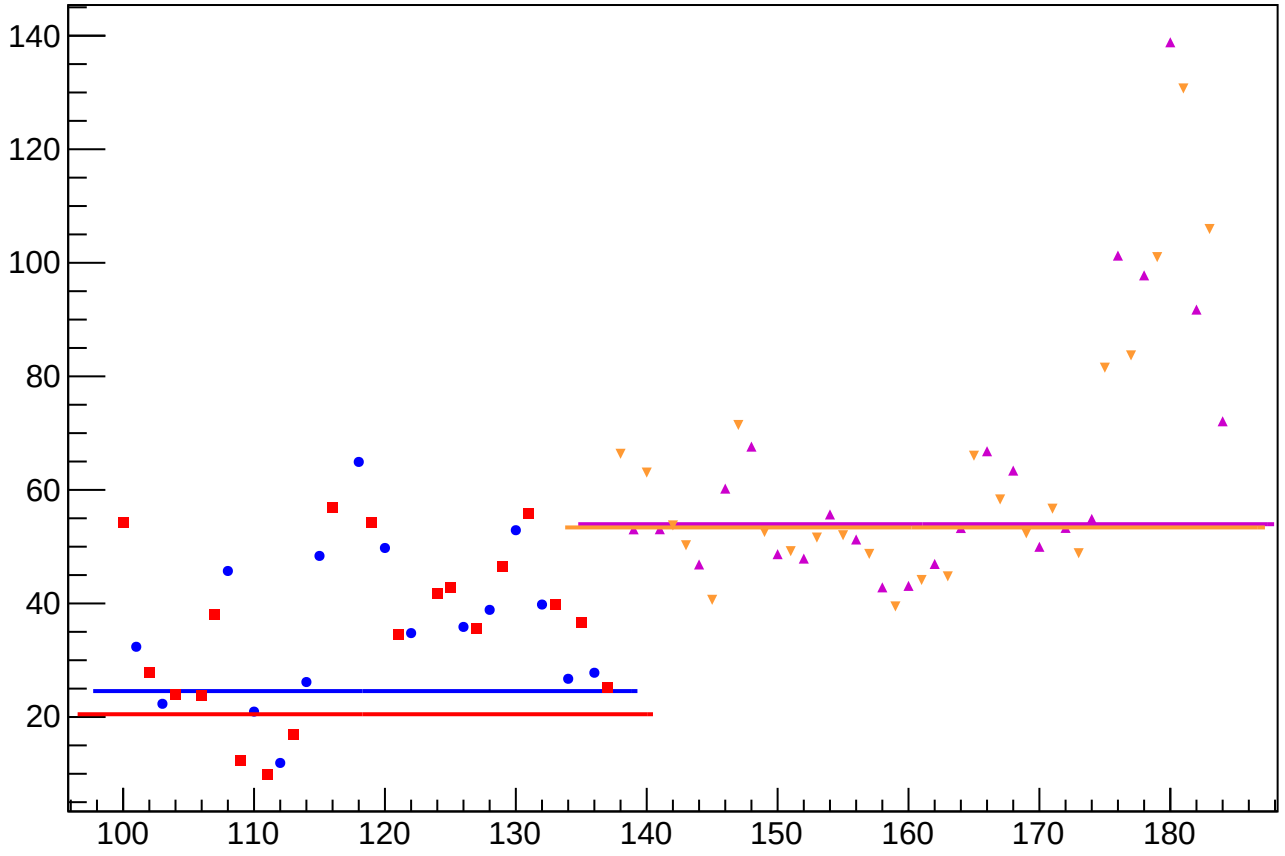
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 45.0/39

All: -0.002+/-0.006 χ^2/NDF: 76.4/81

- sign -0.004+/-0.008 χ^2/NDF: 31.2/41

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

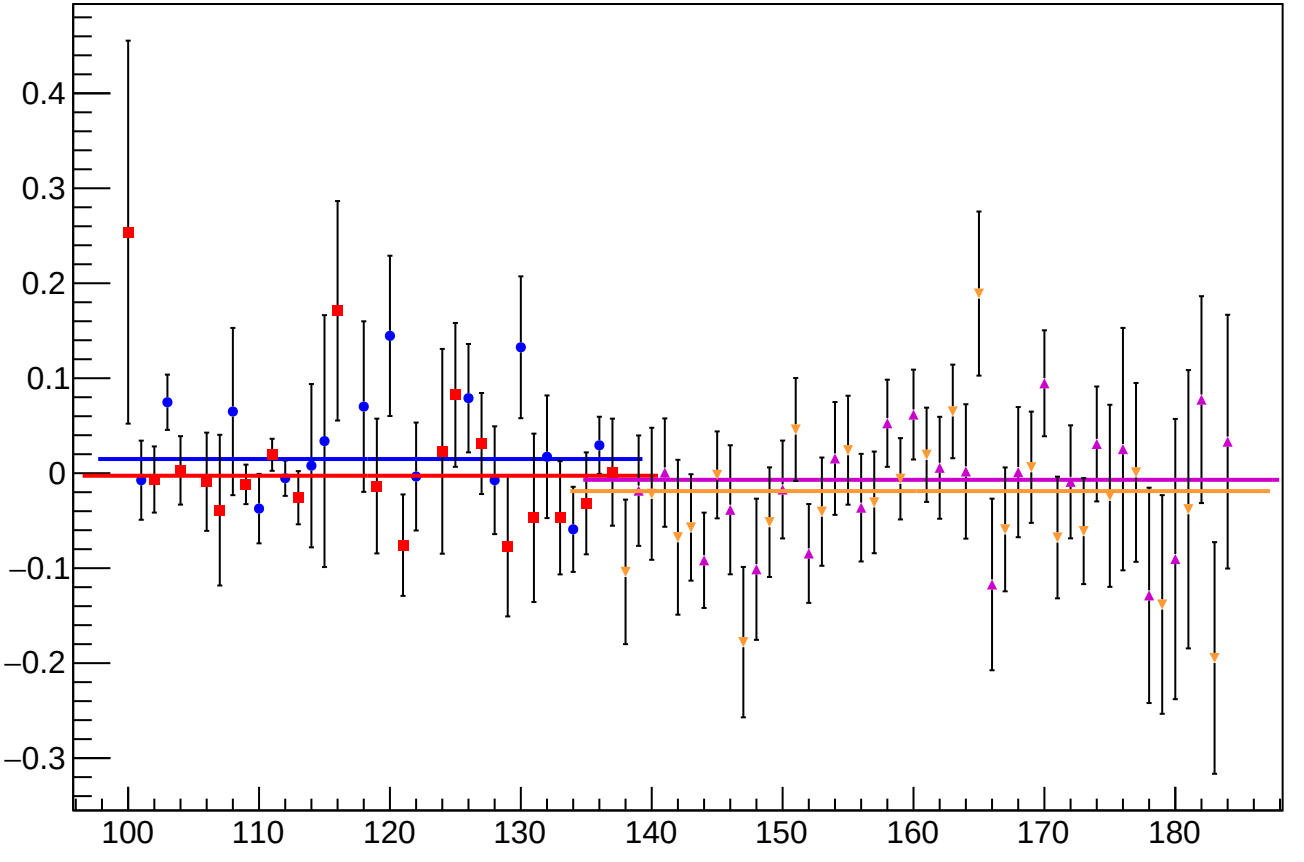
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

\+ sign 36.258+/-0.006 χ^2/NDF: 10955821.6/39

All: 33.687+/-0.004 χ^2/NDF: 25594115.6/81

\- sign 31.481+/-0.005 χ^2/NDF: 14269705.6/41

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



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

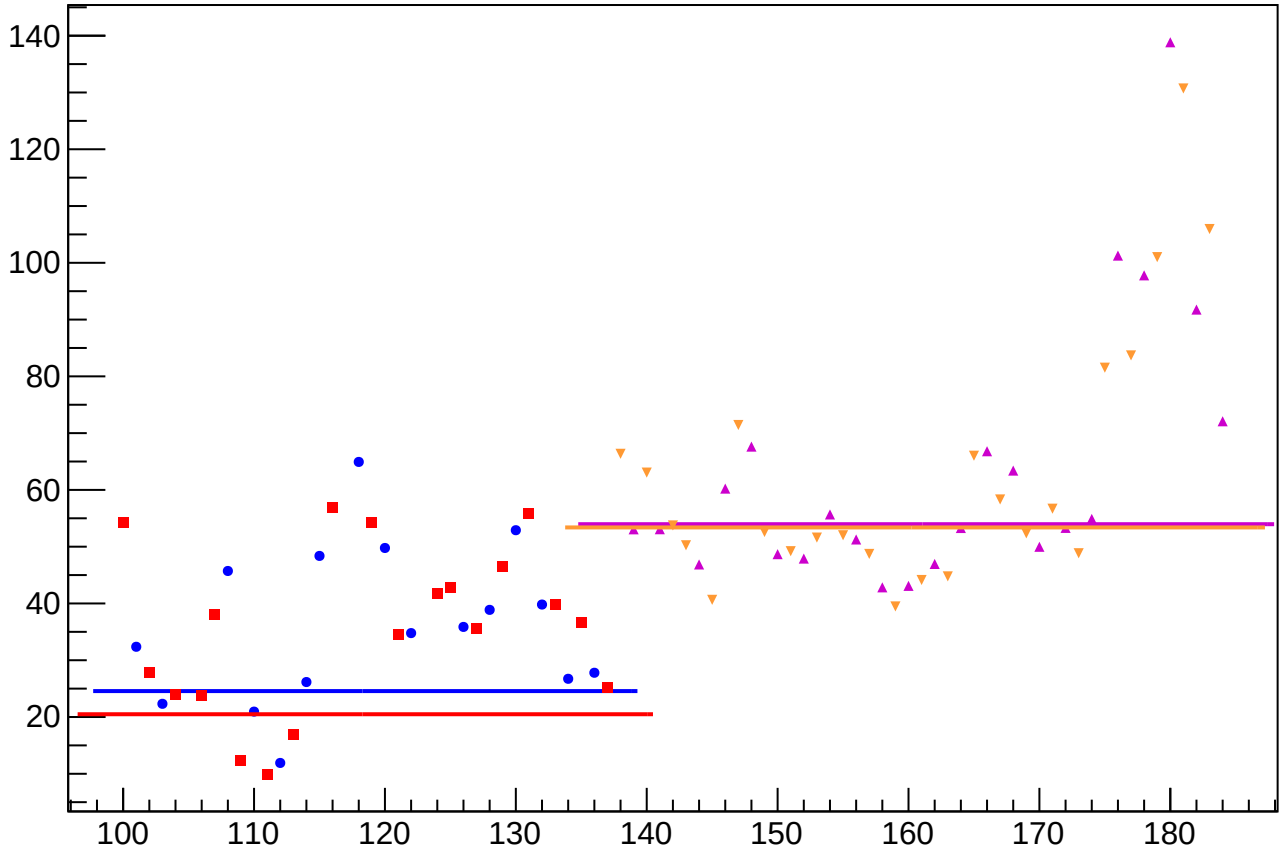
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 45.0/39

All: -0.002+/-0.006 χ^2/NDF: 76.4/81

- sign -0.004+/-0.008 χ^2/NDF: 31.2/41

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

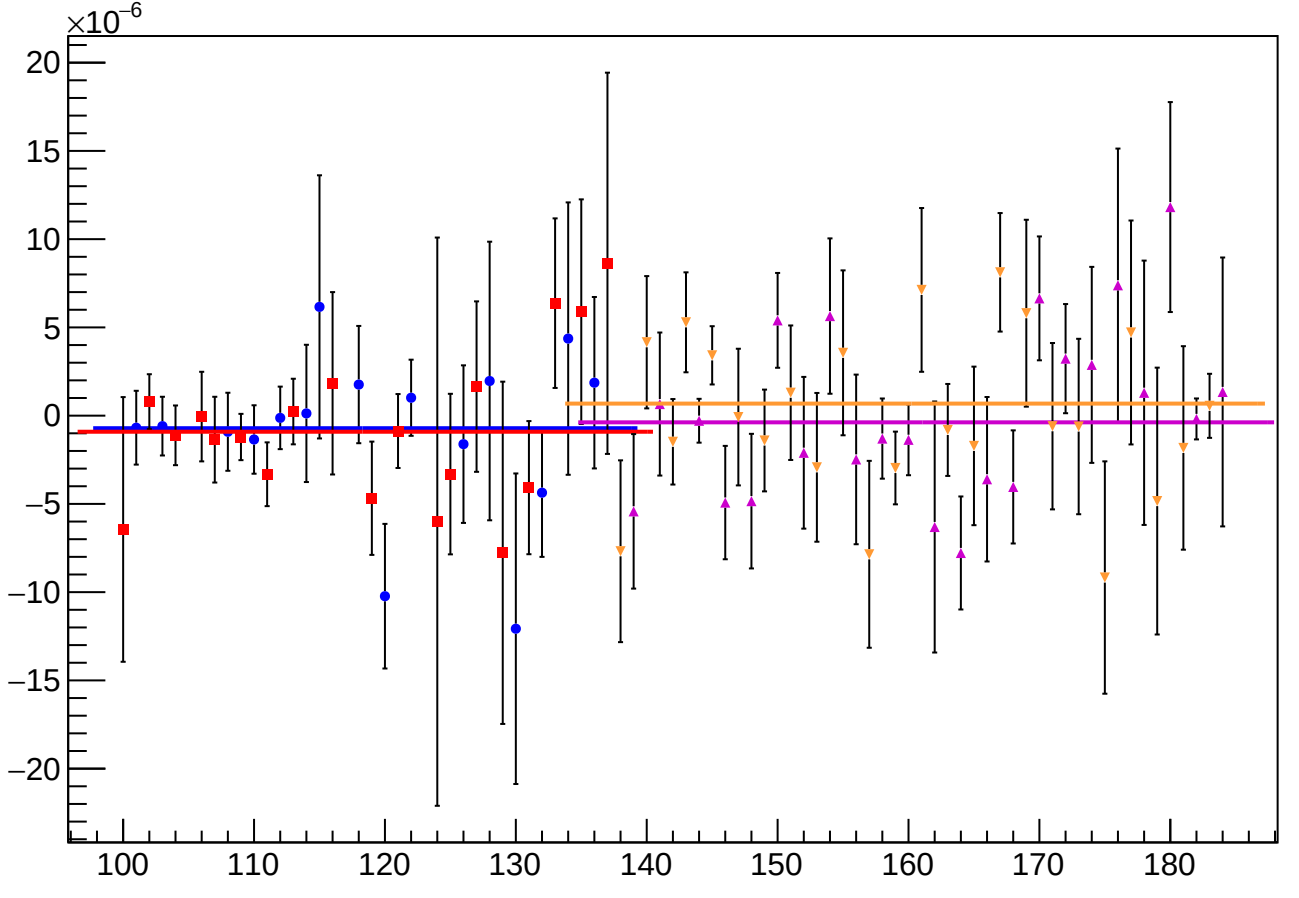
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.258+/-0.006 χ^2/NDF: 10955821.6/39

All: 33.687+/-0.004 χ^2/NDF: 25594115.6/81

- sign 31.481+/-0.005 χ^2/NDF: 14269705.6/41



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

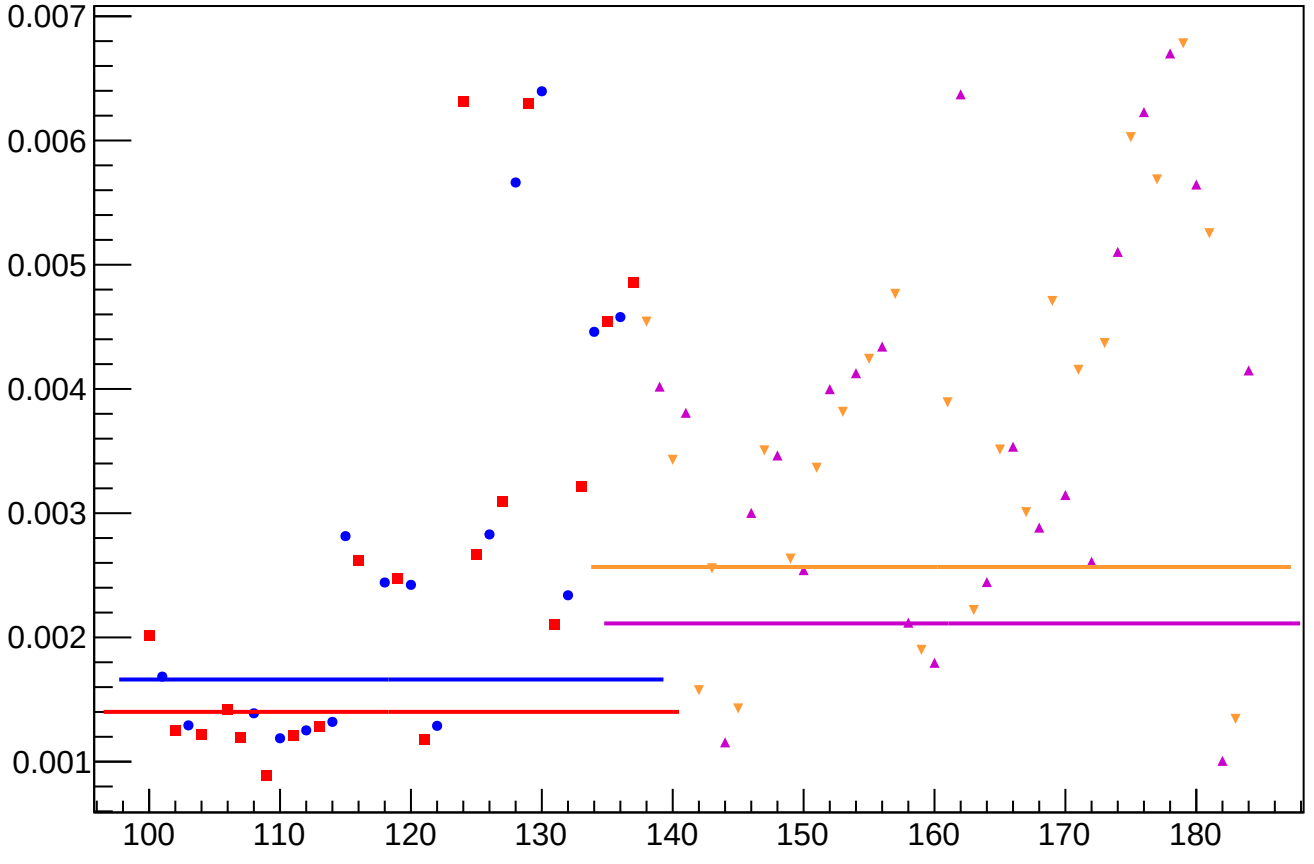
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/39

All: -0.000+/-0.000 χ^2/NDF: 86.6/81

- sign -0.000+/-0.000 χ^2/NDF: 43.2/41

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

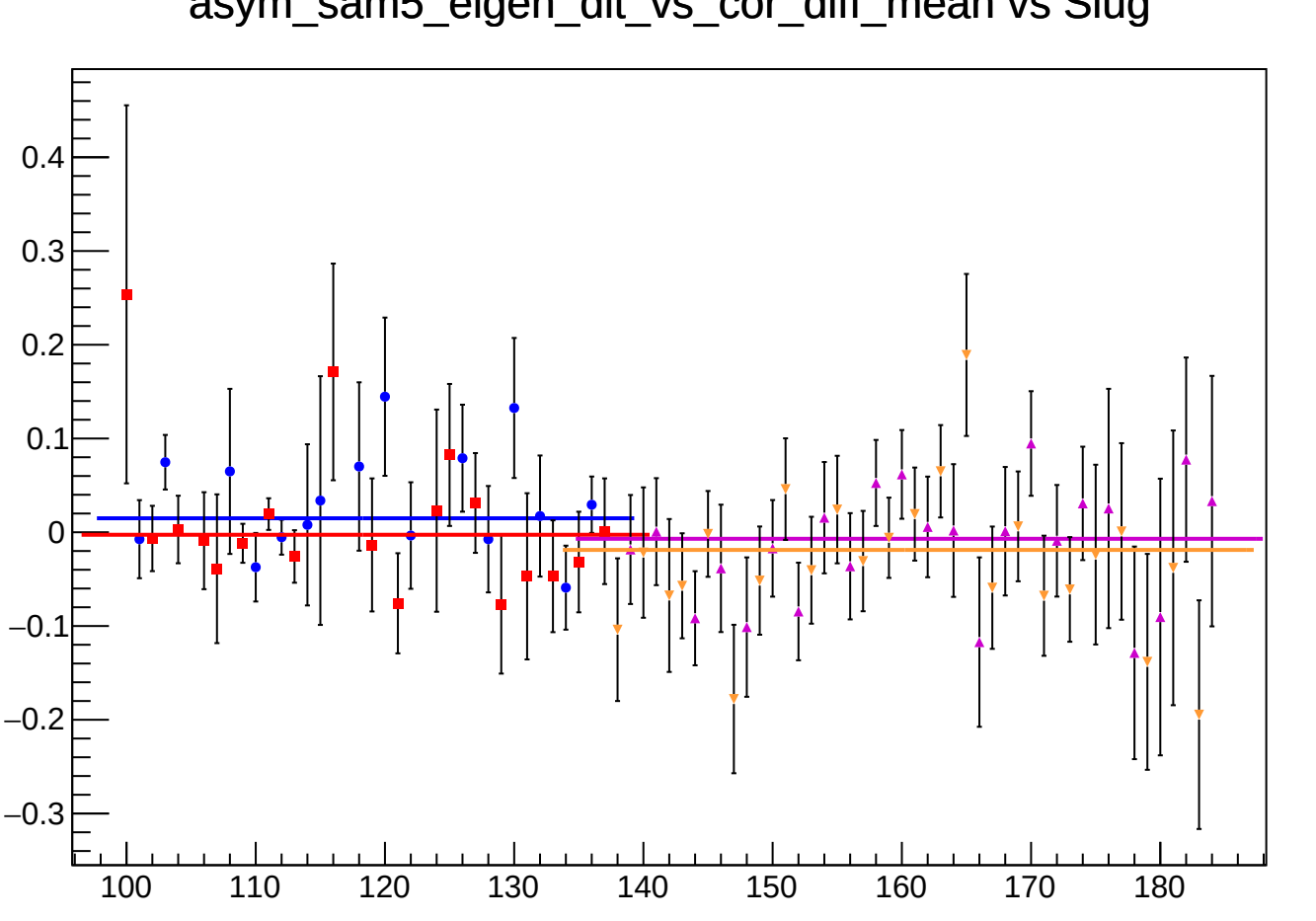
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 11719305.1/39

All: 0.002+/-0.000 χ^2/NDF: 26305710.0/81

- sign 0.002+/-0.000 χ^2/NDF: 13886477.7/41



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

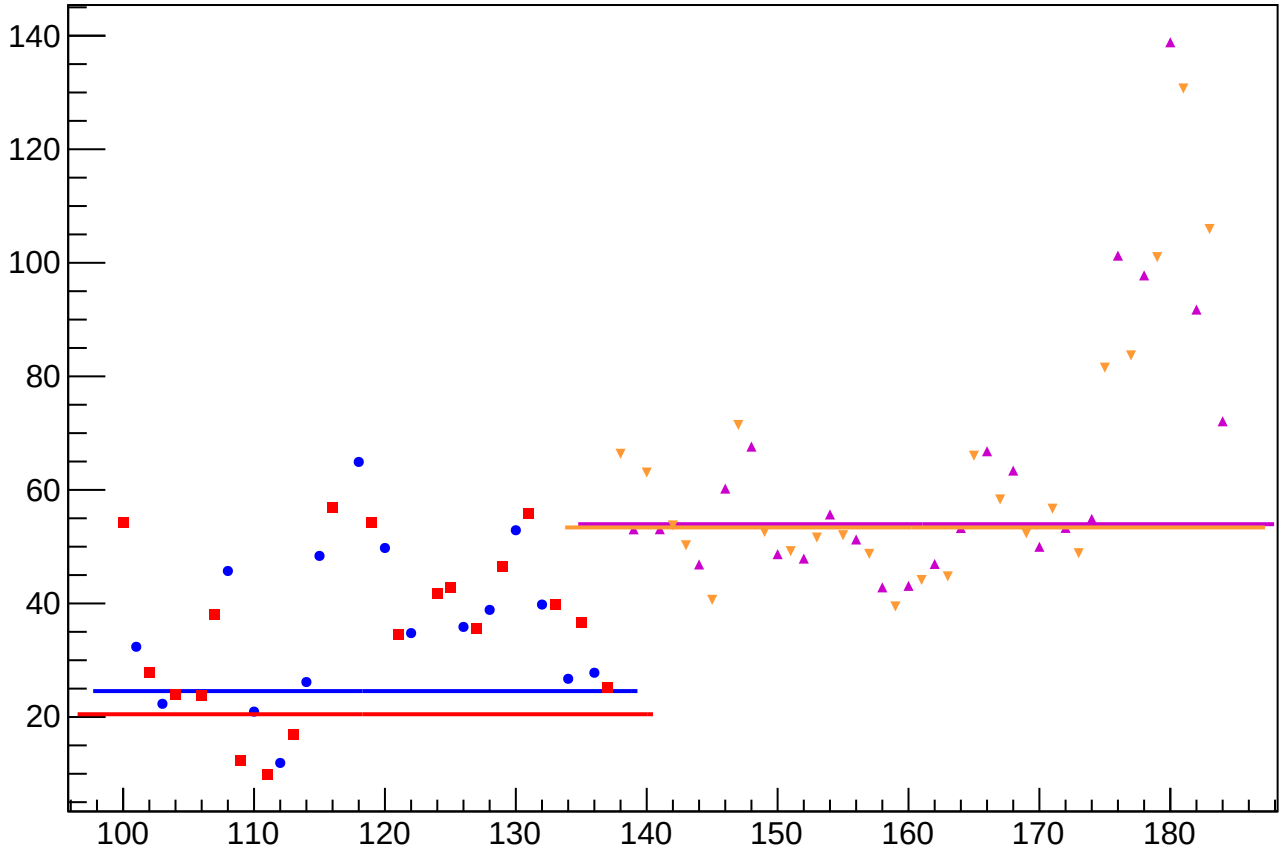
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 45.0/39

All: -0.002+/-0.006 χ^2/NDF: 76.4/81

- sign -0.004+/-0.008 χ^2/NDF: 31.2/41

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

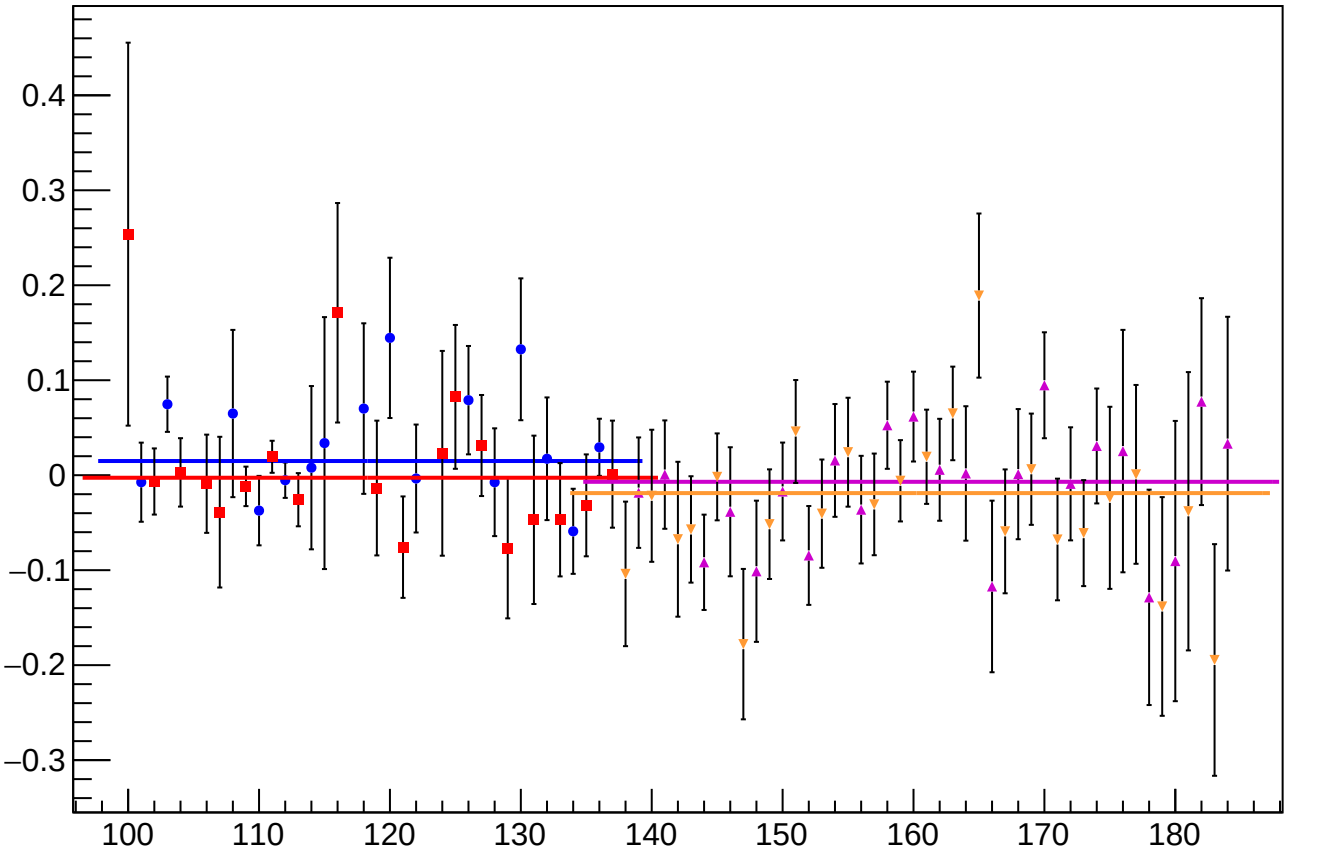
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.257+/-0.006 χ^2/NDF: 10956156.0/39

All: 33.686+/-0.004 χ^2/NDF: 25594939.6/81

- sign 31.481+/-0.005 χ^2/NDF: 14270165.6/41



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.019+/-0.013 χ^2/NDF:23.1/23

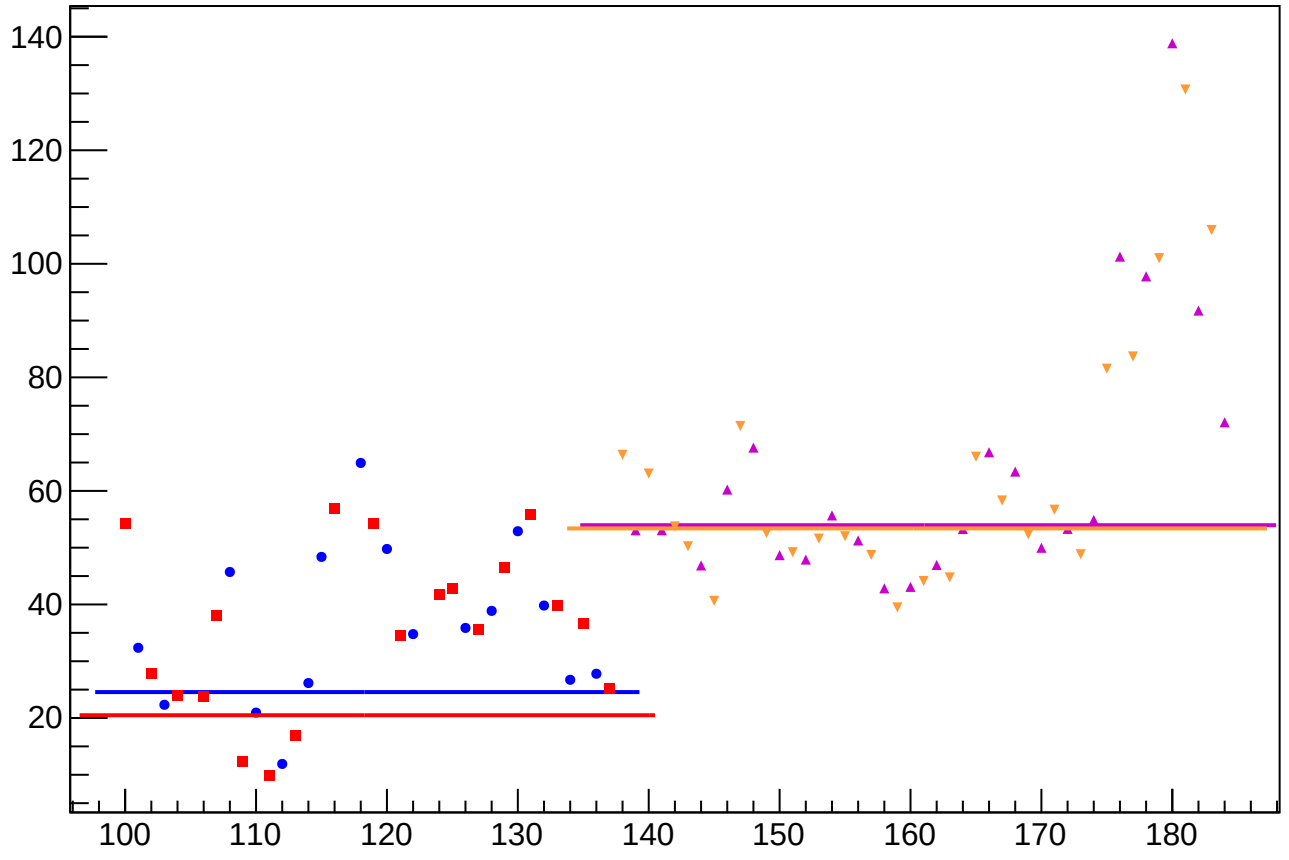
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 45.0/39

All: -0.002+/-0.006 χ^2/NDF: 76.4/81

- sign -0.004+/-0.008 χ^2/NDF: 31.2/41



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.391+/-0.009 χ^2/NDF:2458238.4/23

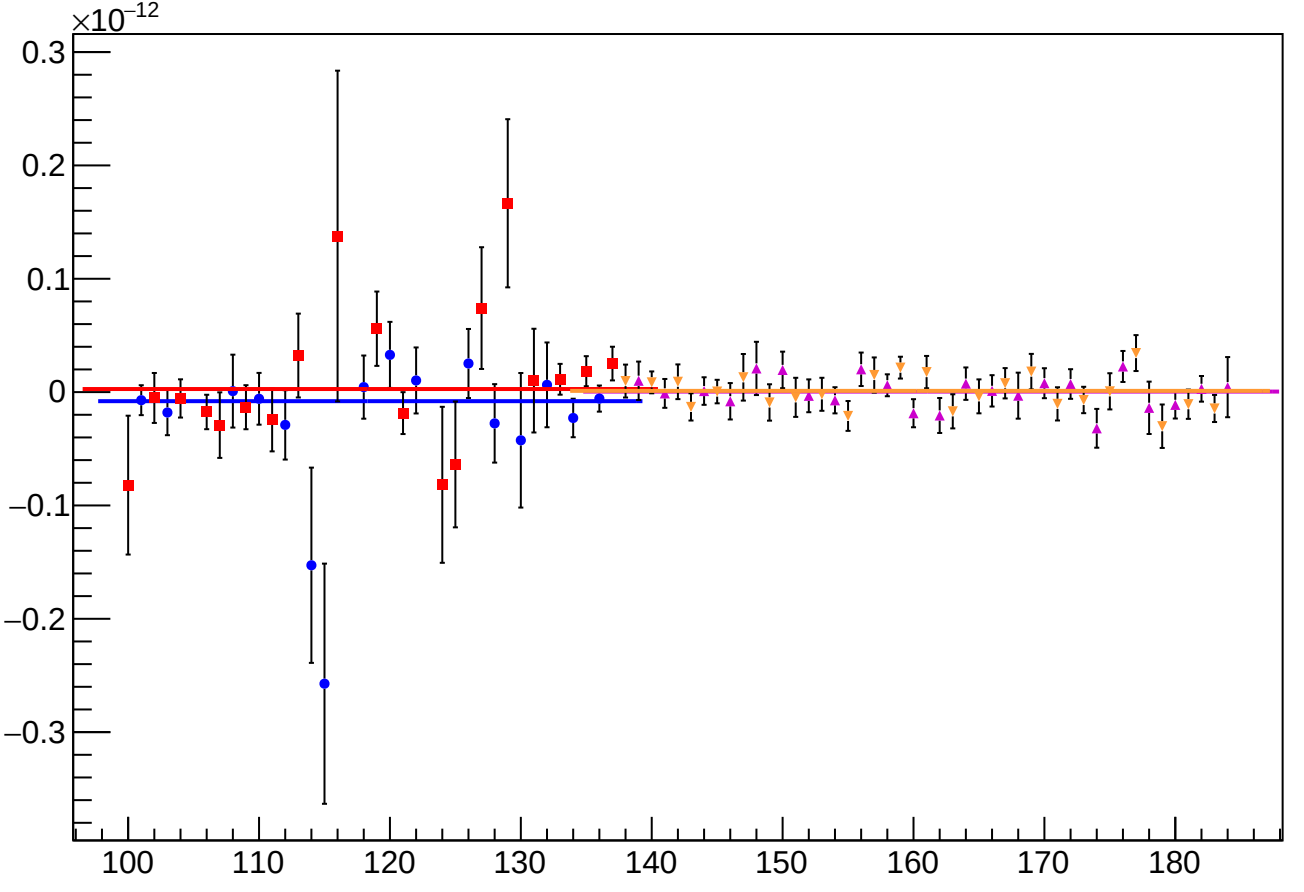
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.257+/-0.006 χ^2/NDF: 10956156.0/39

All: 33.686+/-0.004 χ^2/NDF: 25594939.6/81

- sign 31.481+/-0.005 χ^2/NDF: 14270165.6/41



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

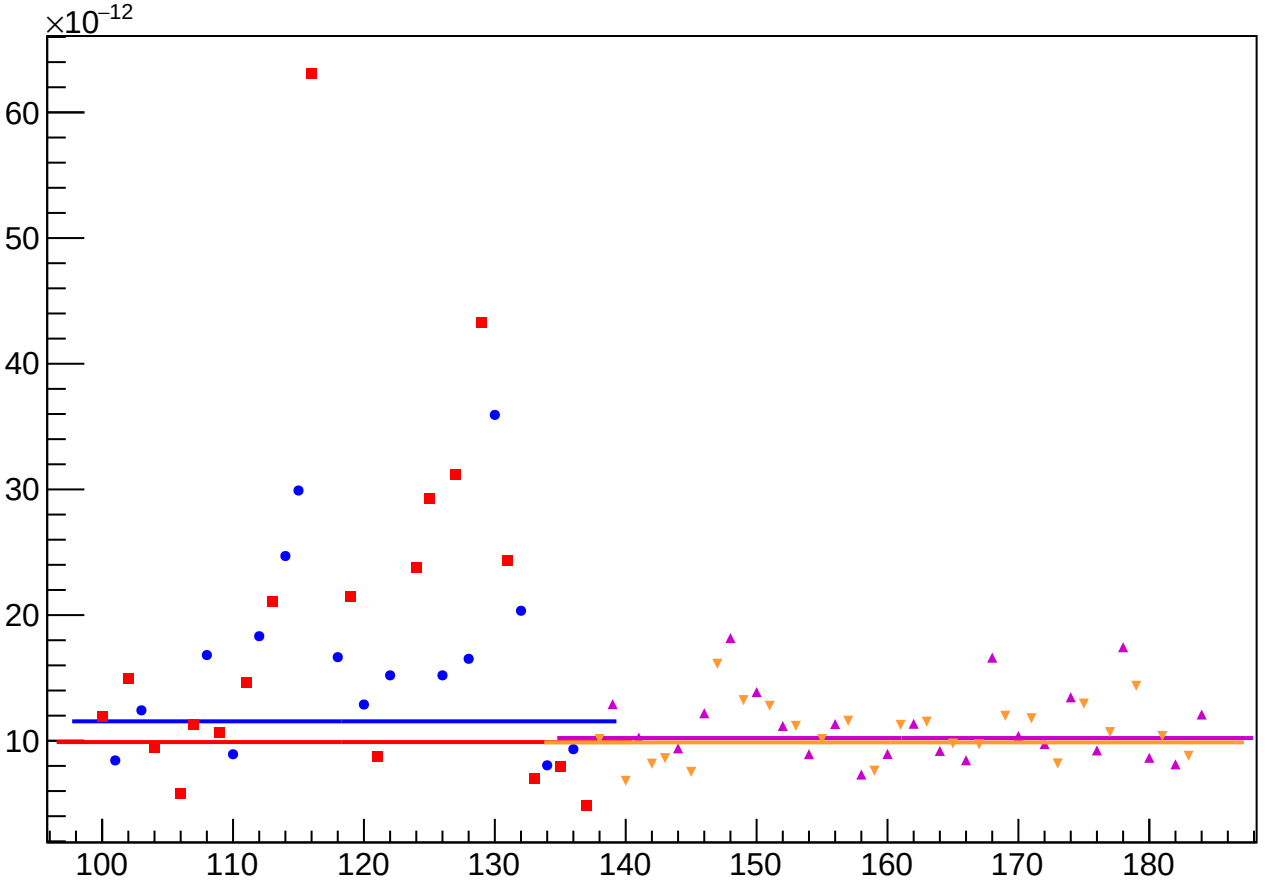
Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.2/39

All: 0.000+/-0.000 χ^2/NDF: 87.8/81

- sign 0.000+/-0.000 χ^2/NDF: 44.3/41

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

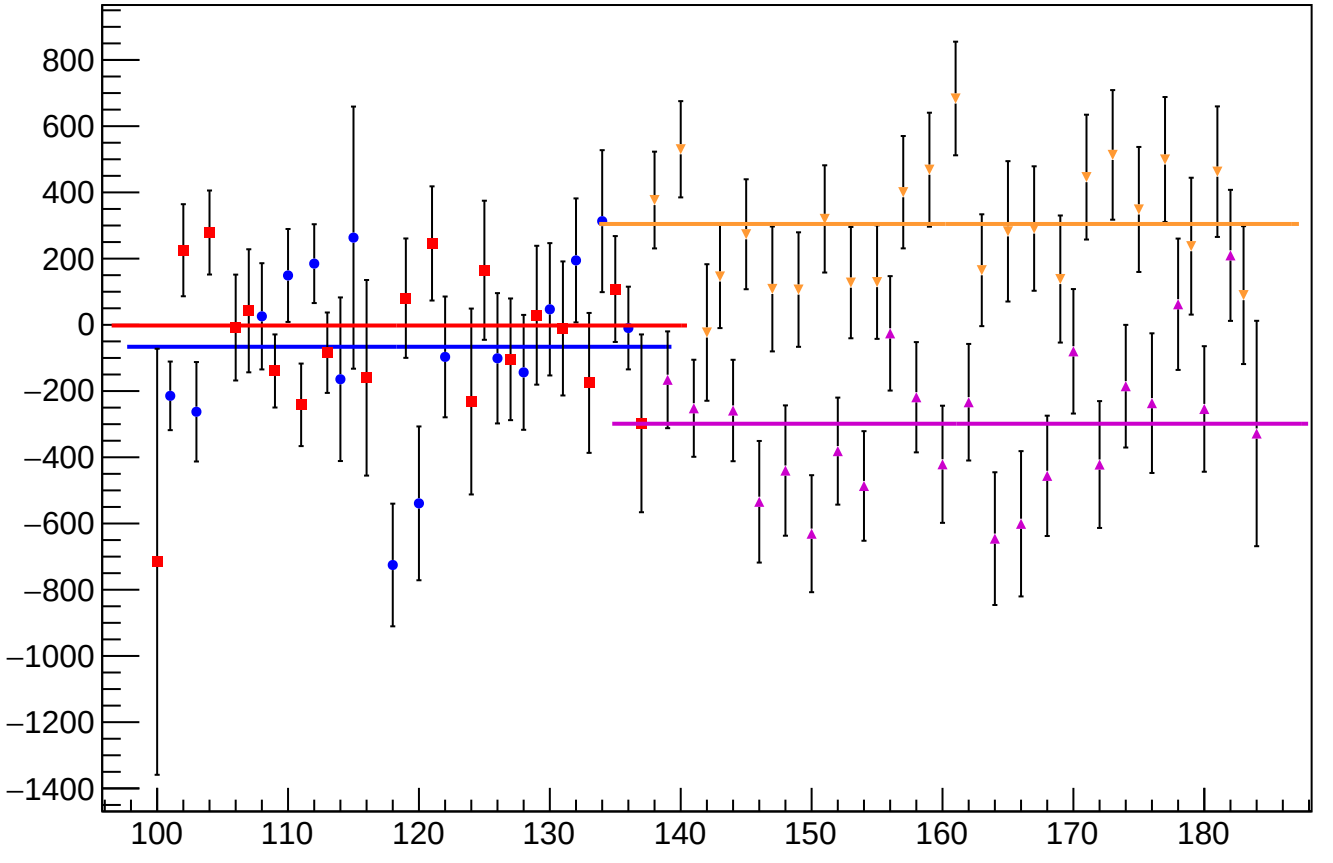
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2511877.0/39

All: 0.000+/-0.000 χ^2/NDF: 6467395.4/81

- sign 0.000+/-0.000 χ^2/NDF: 3955191.0/41

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

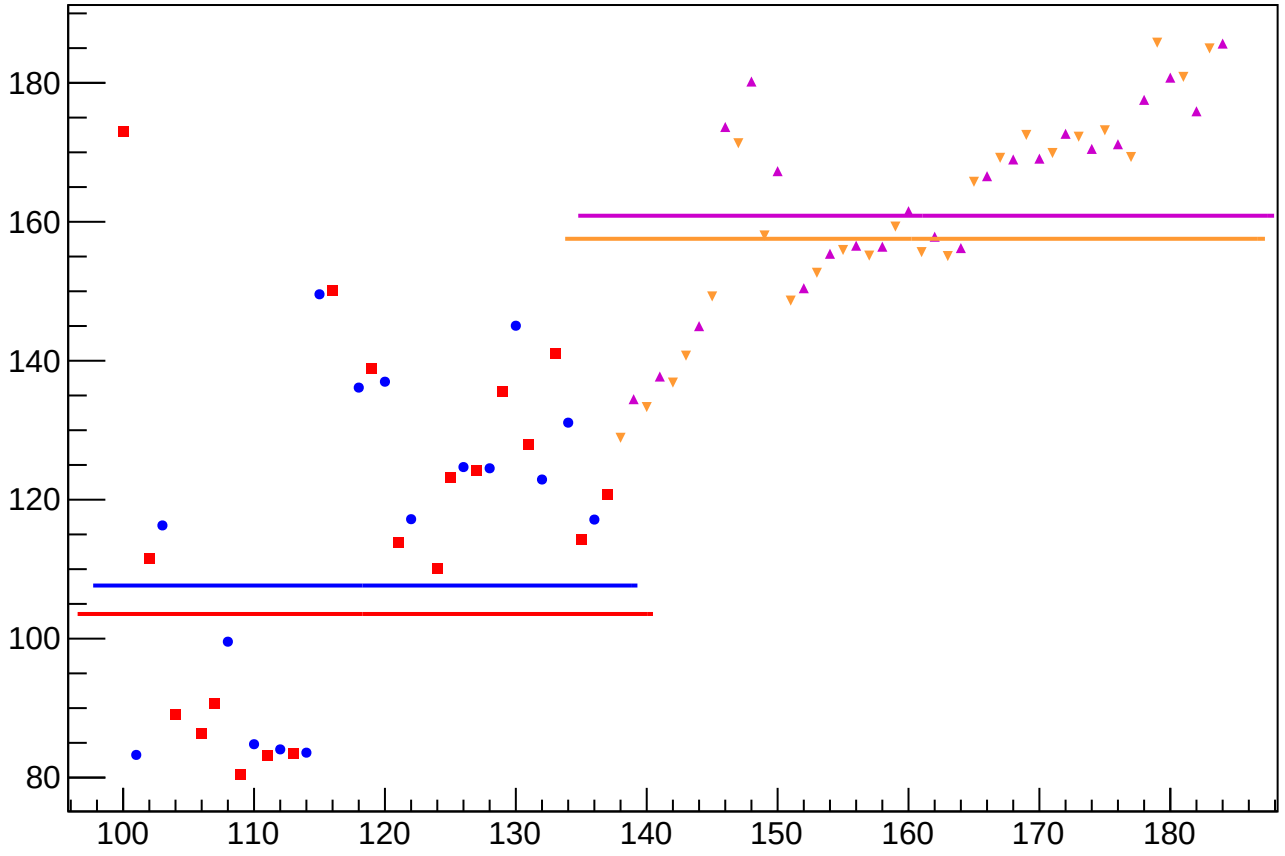
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 141.780+/-27.129 χ^2/NDF: 103.4/39

All: -6.809+/-19.163 χ^2/NDF: 243.8/81

- sign -154.759+/-27.071 χ^2/NDF: 80.5/41

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

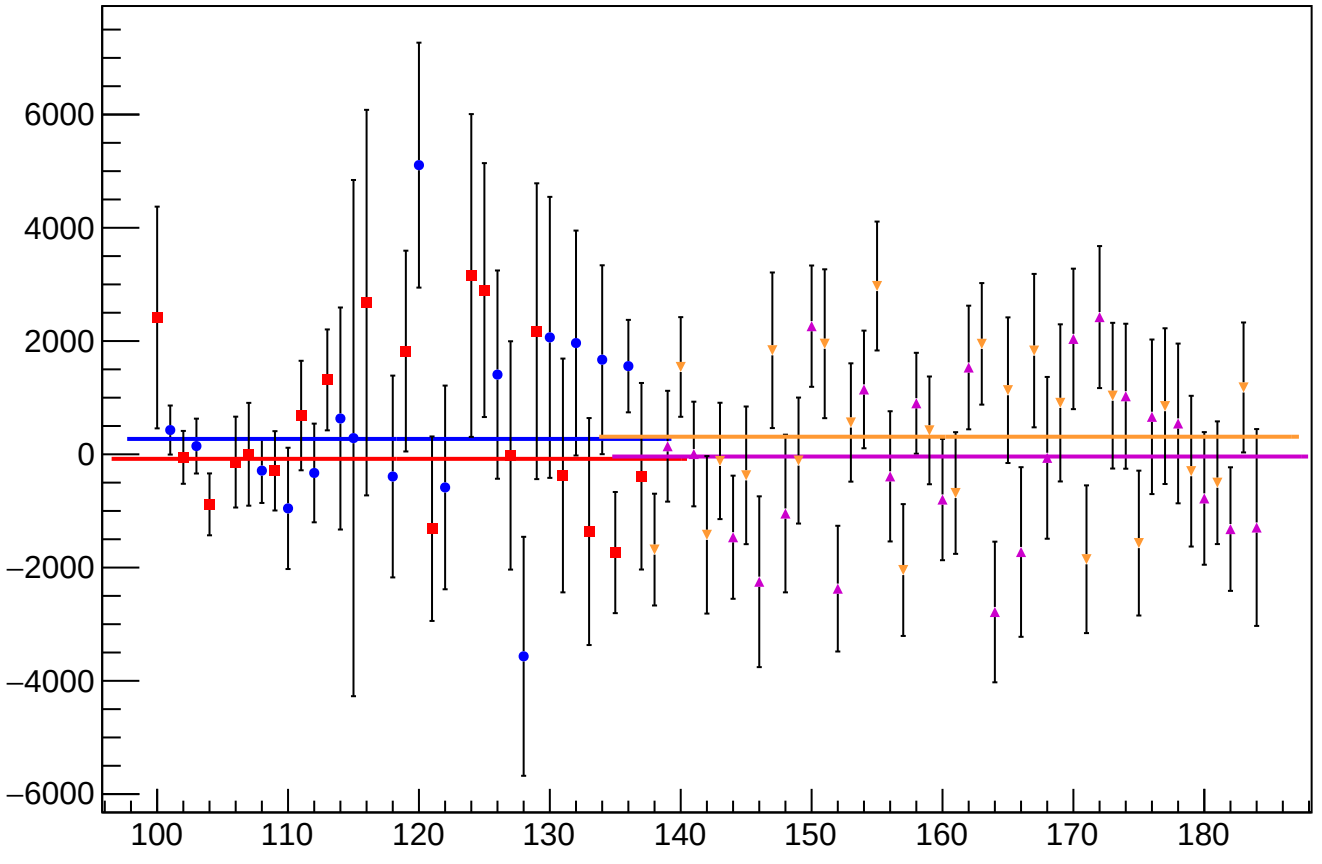
Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 135.635+/-0.019 χ^2/NDF: 2564791.2/39

All: 134.347+/-0.014 χ^2/NDF: 5699548.4/81

- sign 133.065+/-0.019 χ^2/NDF: 3125761.7/41



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

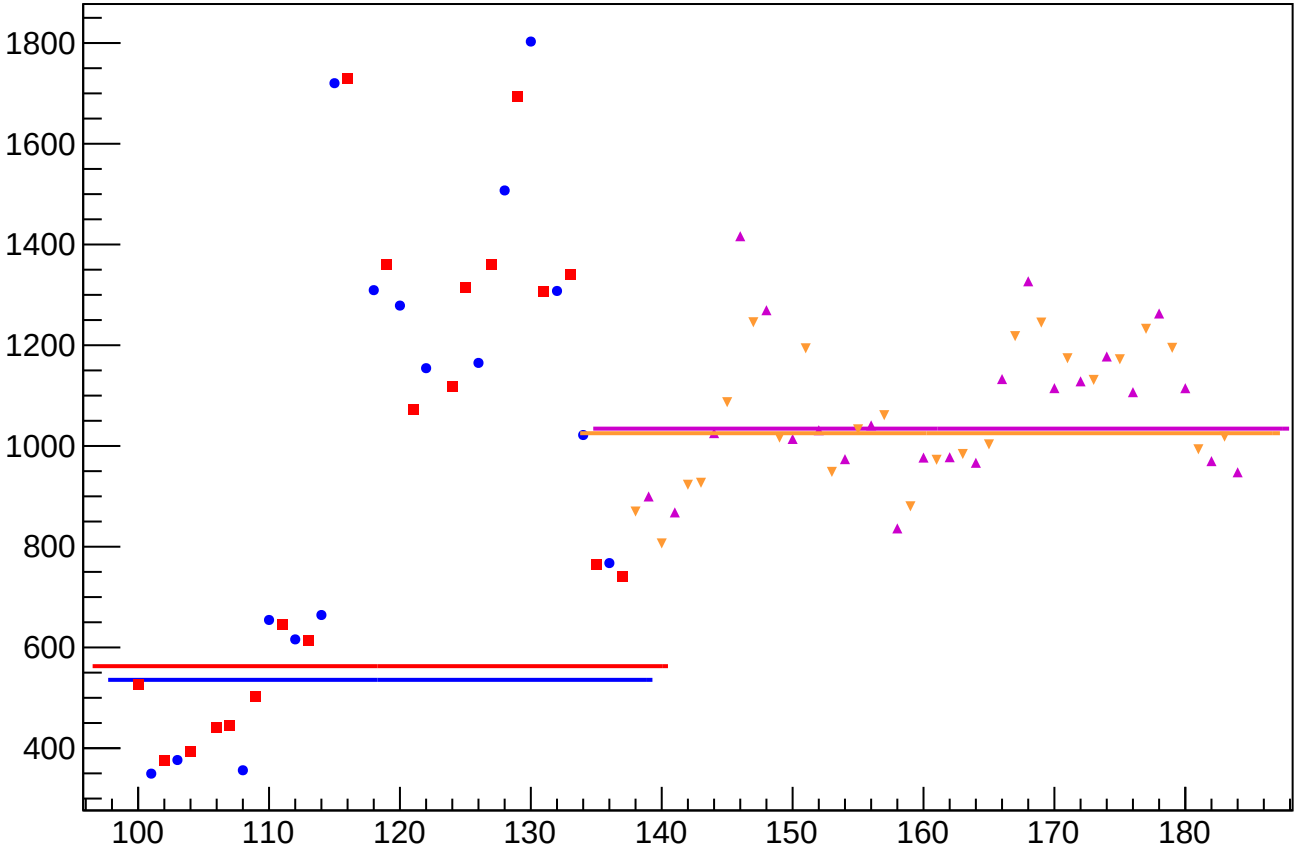
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 290.523+/-165.262 χ^2/NDF: 48.9/39

All: 118.061+/-117.897 χ^2/NDF: 101.9/81

- sign -60.676+/-168.241 χ^2/NDF: 50.8/41

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

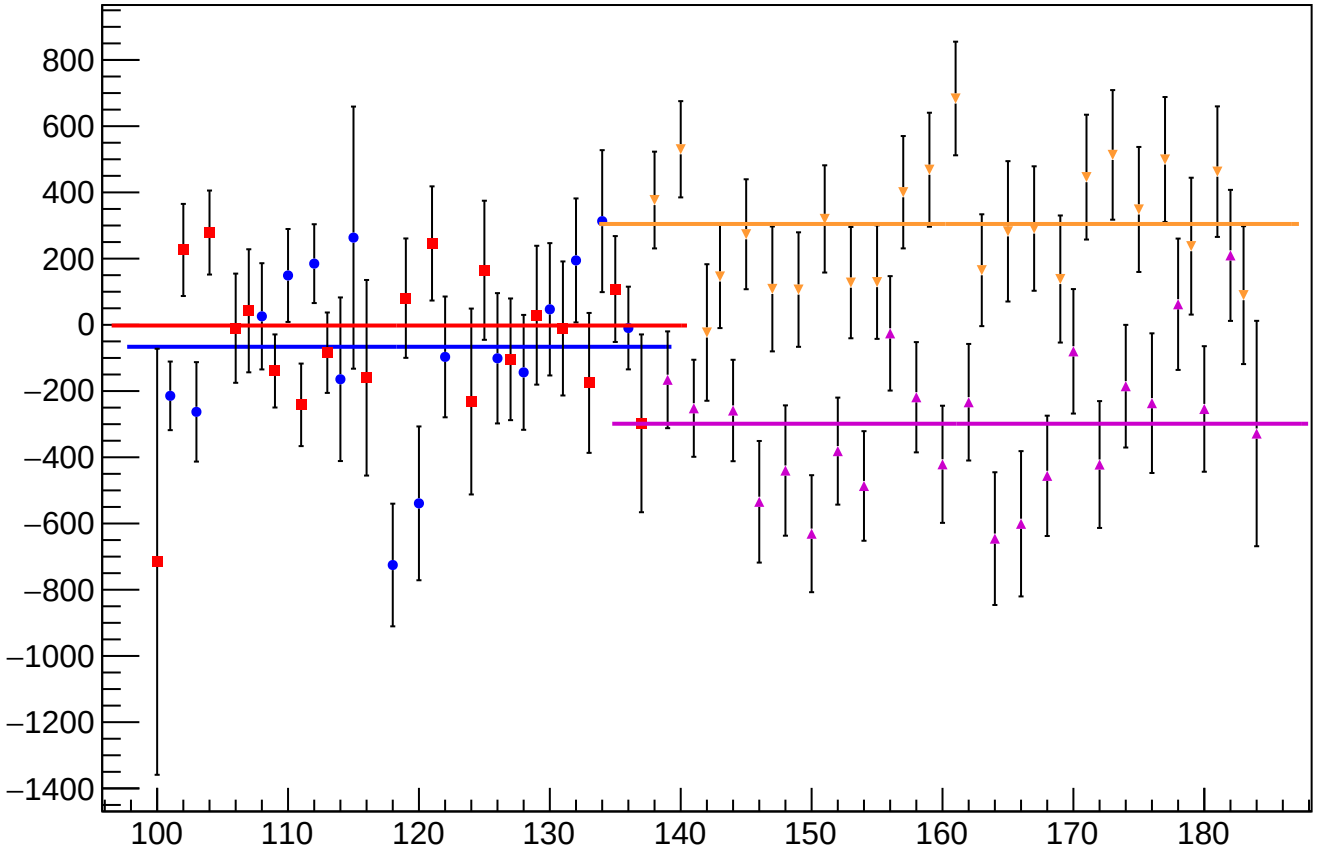
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 773.983+/-0.117 χ^2/NDF: 8614528.1/39

All: 780.258+/-0.083 χ^2/NDF: 16278409.7/81

- sign 786.761+/-0.119 χ^2/NDF: 7658010.2/41

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

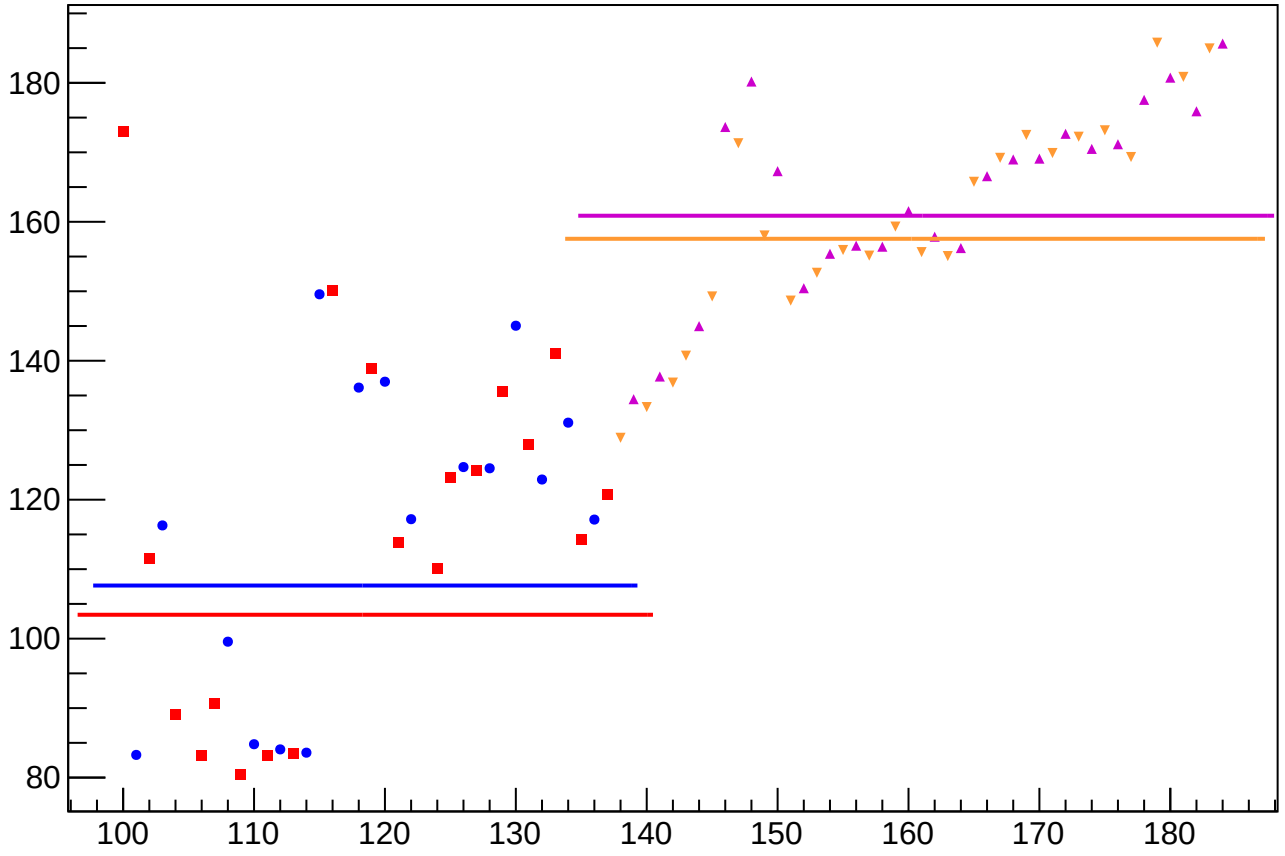
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 141.767+/-27.129 χ^2/NDF: 103.4/39

All: -6.832+/-19.171 χ^2/NDF: 243.9/81

- sign -155.052+/-27.094 χ^2/NDF: 80.5/41

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

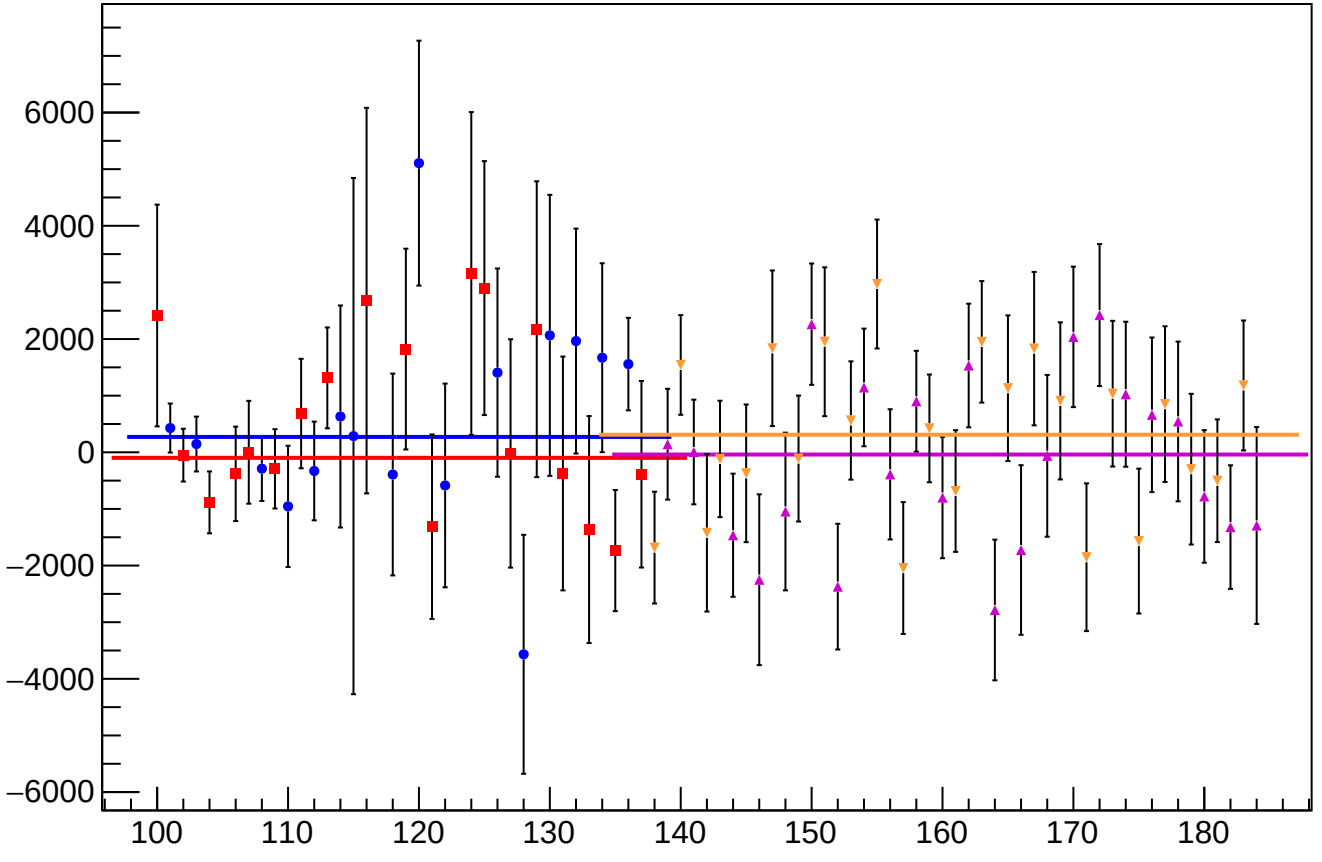
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

\+ sign 135.635+/-0.019 χ^2/NDF: 2564788.2/39

All: 134.347+/-0.014 χ^2/NDF: 5711552.1/81

\- sign 133.062+/-0.019 χ^2/NDF: 3137757.6/41

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

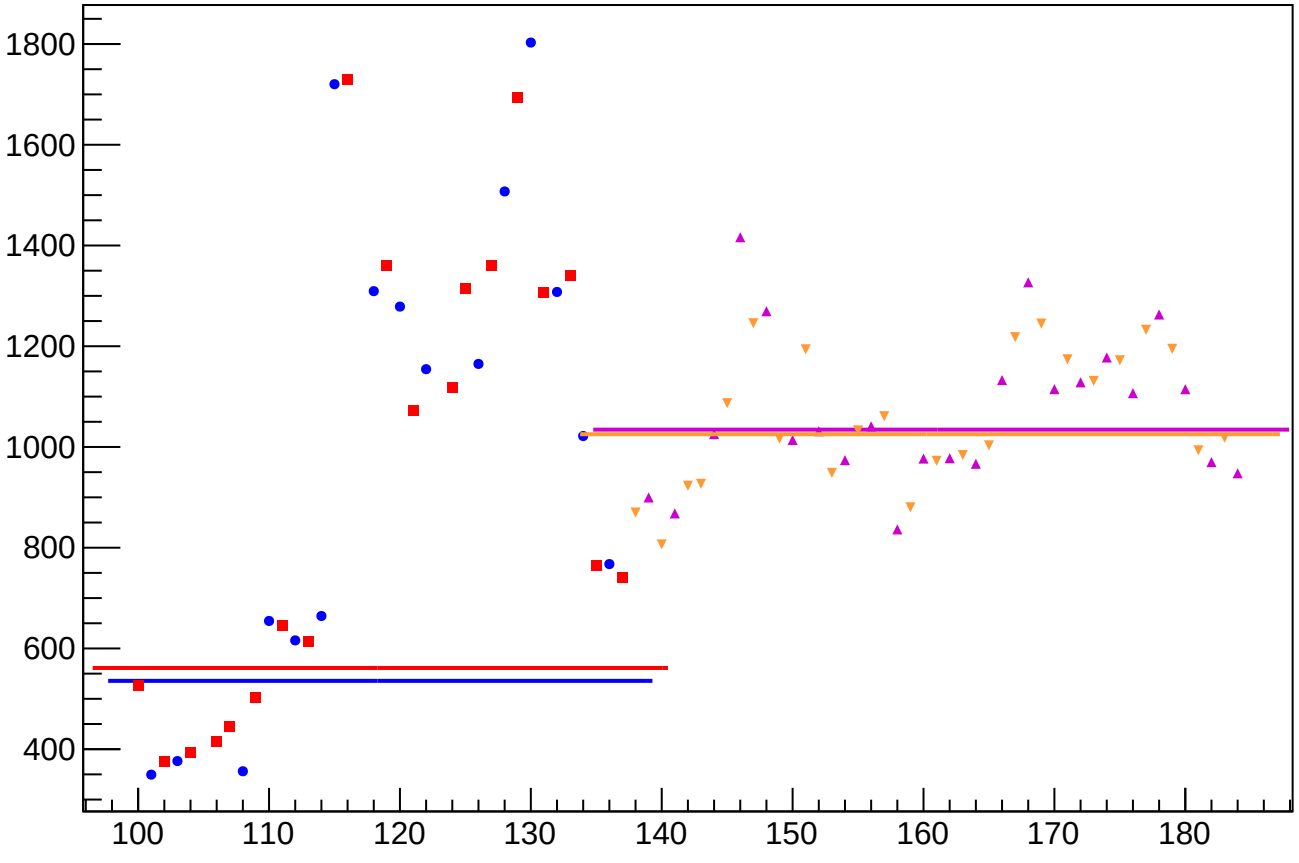
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 290.596+/-165.259 χ^2/NDF: 48.9/39

All: 113.816+/-117.978 χ^2/NDF: 102.2/81

- sign -69.920+/-168.479 χ^2/NDF: 51.0/41

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

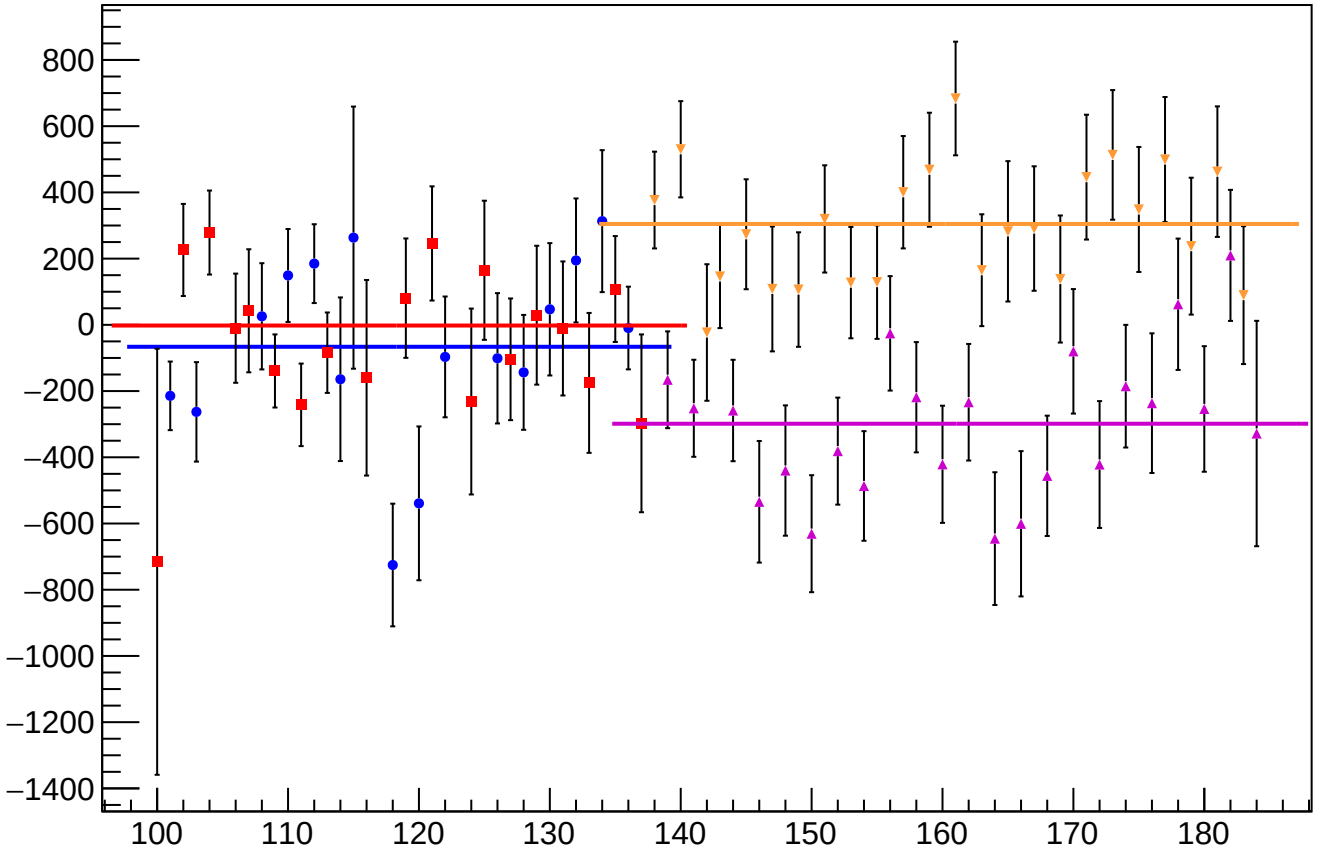
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 773.965+/-0.117 χ^2/NDF: 8615251.0/39

All: 780.146+/-0.083 χ^2/NDF: 16314818.1/81

- sign 786.570+/-0.119 χ^2/NDF: 7693861.2/41

eigen_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

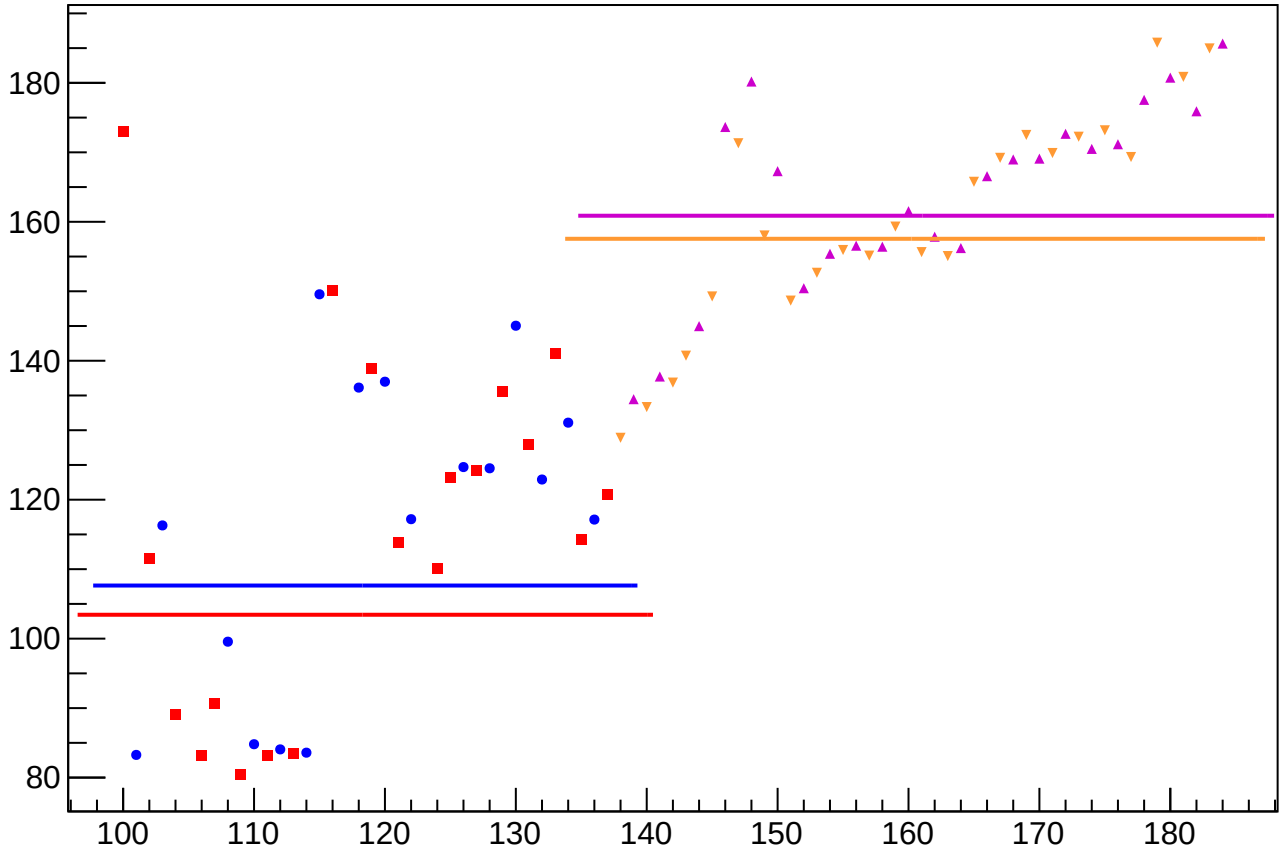
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 141.767+/-27.129 χ^2/NDF: 103.4/39

All: -6.832+/-19.171 χ^2/NDF: 243.9/81

- sign -155.052+/-27.094 χ^2/NDF: 80.5/41

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

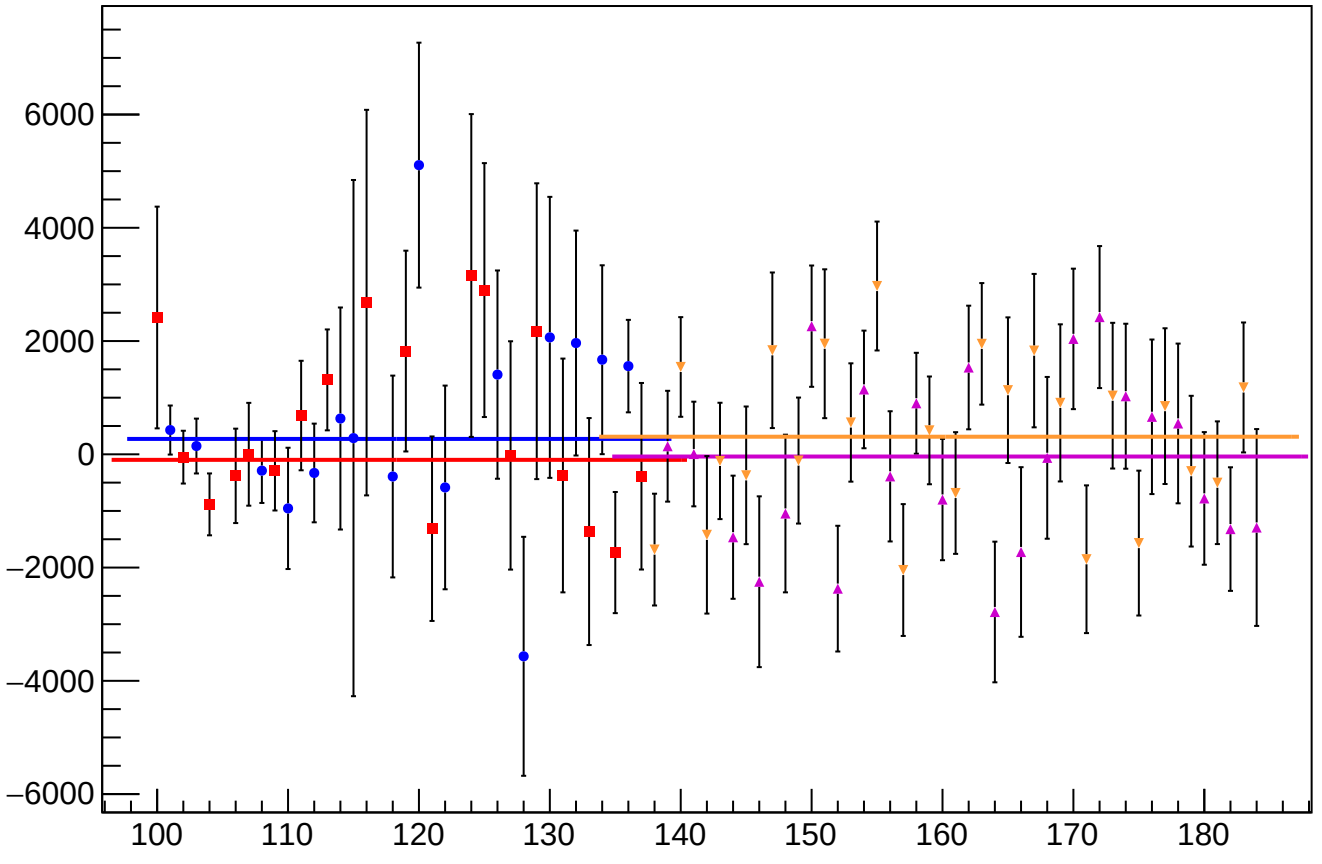
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 135.635+/-0.019 χ^2/NDF: 2564788.2/39

All: 134.347+/-0.014 χ^2/NDF: 5711552.1/81

- sign 133.062+/-0.019 χ^2/NDF: 3137757.6/41



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

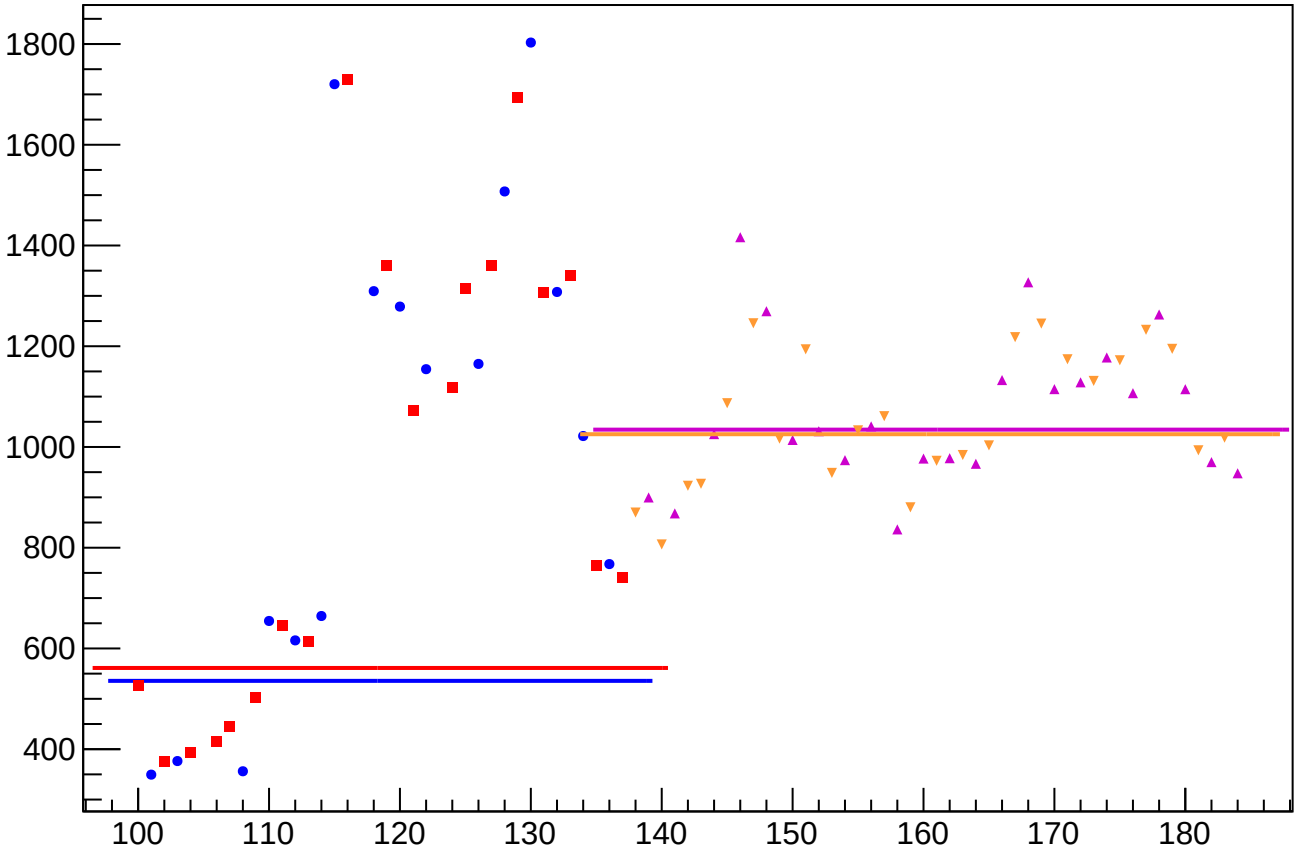
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 290.596+/-165.259 χ^2/NDF: 48.9/39

All: 113.816+/-117.978 χ^2/NDF: 102.2/81

- sign -69.920+/-168.479 χ^2/NDF: 51.0/41

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

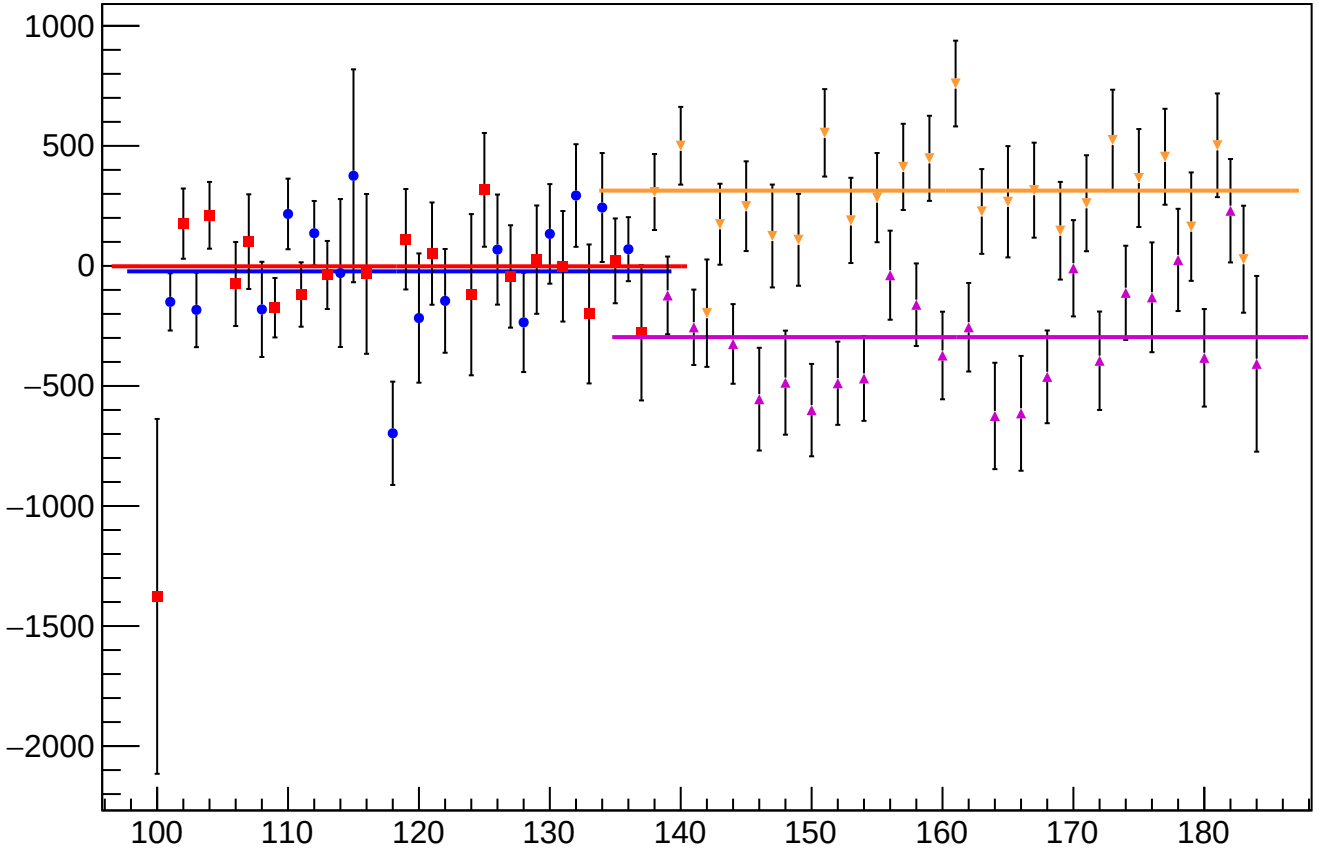
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 773.965+/-0.117 χ^2/NDF: 8615251.0/39

All: 780.146+/-0.083 χ^2/NDF: 16314818.1/81

- sign 786.570+/-0.119 χ^2/NDF: 7693861.2/41

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

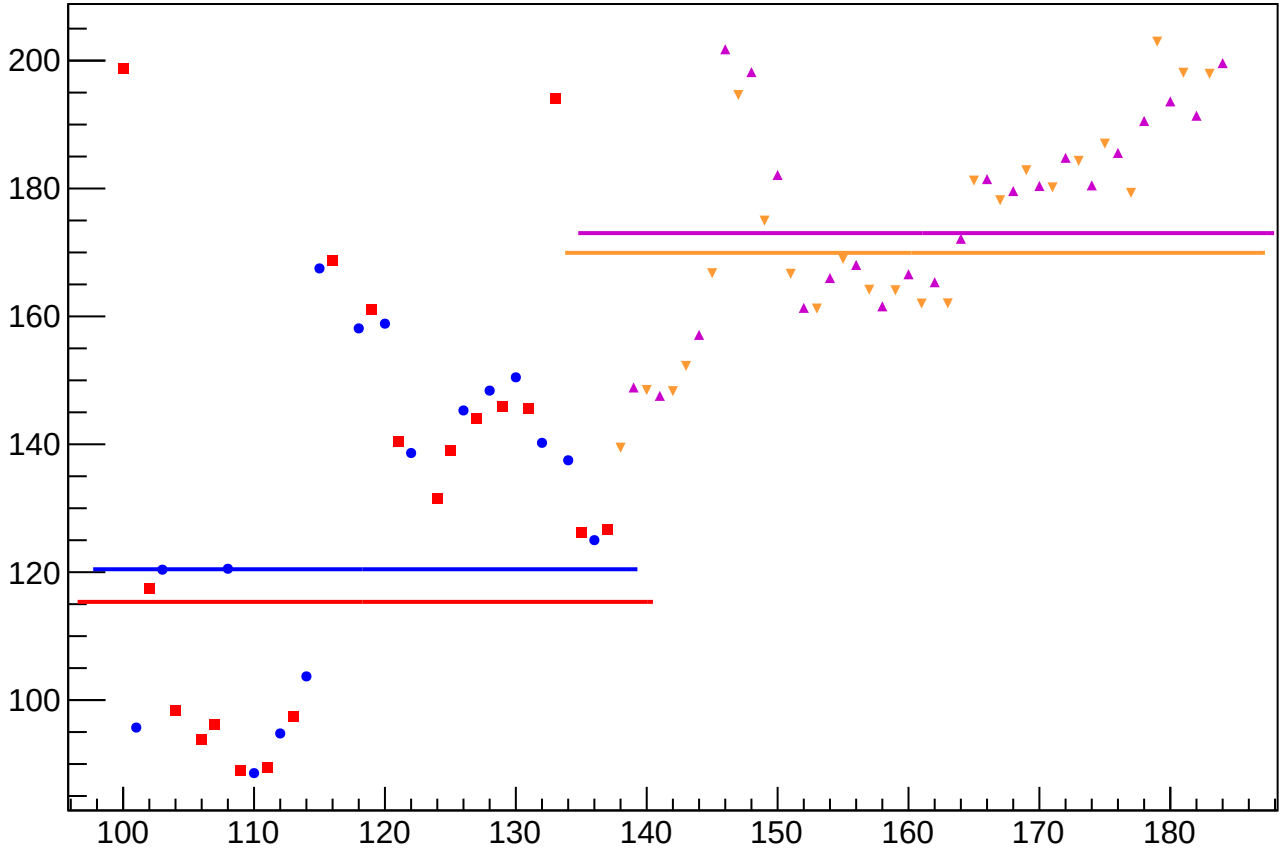
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

\+ sign 172.303+/-29.763 χ^2/NDF: 79.4/39

All: 6.124+/-21.024 χ^2/NDF: 208.3/81

\- sign -159.393+/-29.703 χ^2/NDF: 66.6/41

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

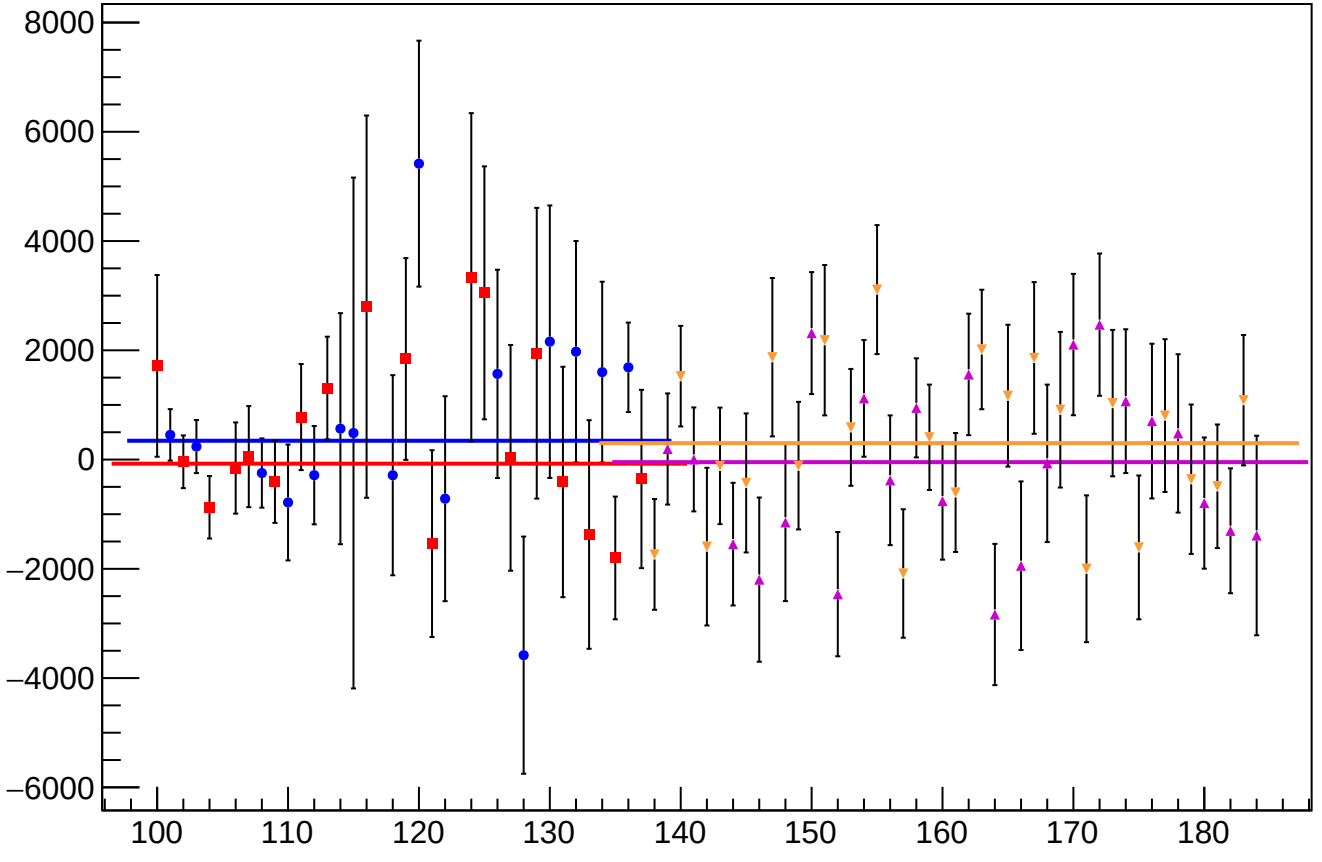
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

\+ sign 149.141+/-0.021 χ^2/NDF: 2230967.7/39

All: 147.674+/-0.015 χ^2/NDF: 5176869.6/81

\- sign 146.213+/-0.021 χ^2/NDF: 2936206.5/41

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

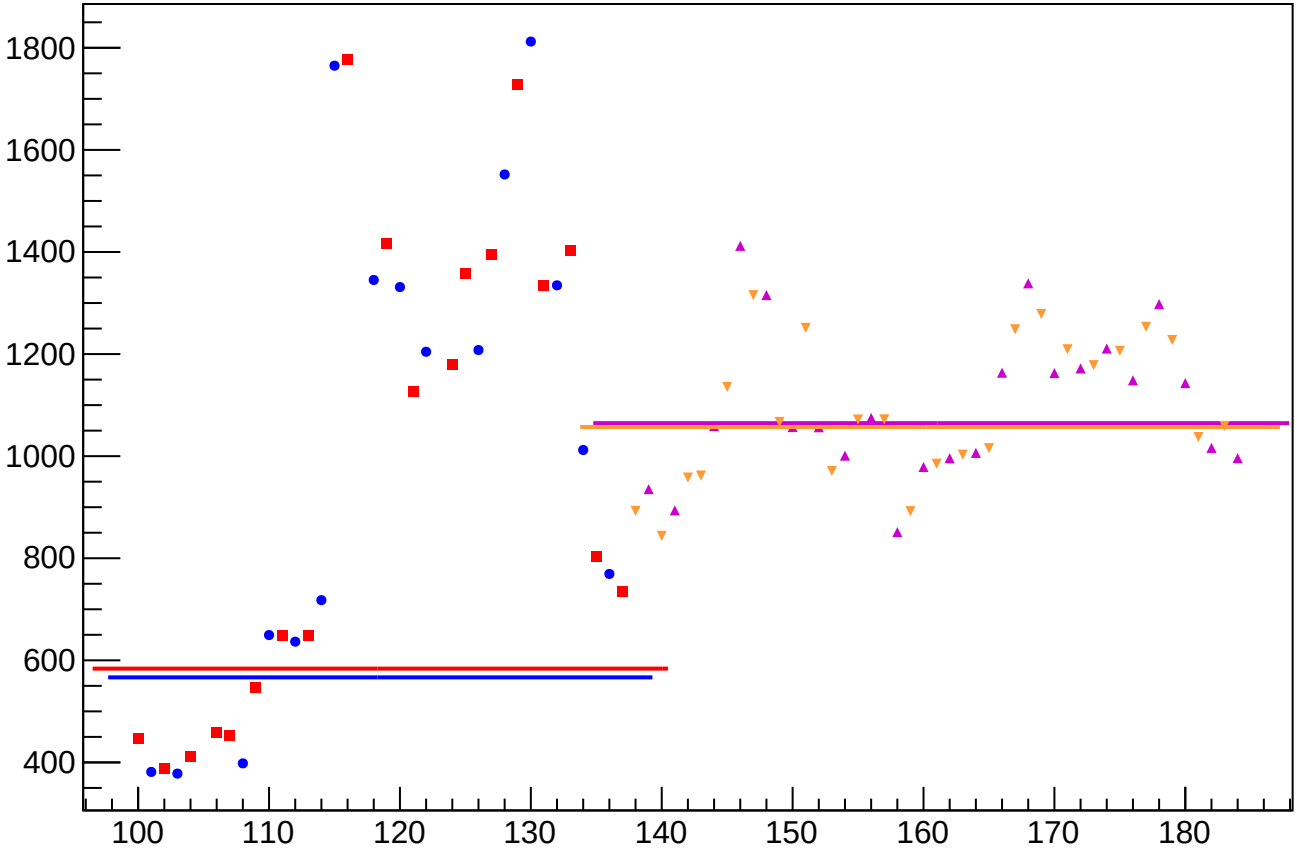
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 322.996+/-171.746 χ^2/NDF: 49.0/39

All: 132.732+/-122.137 χ^2/NDF: 101.1/81

- sign -61.950+/-173.728 χ^2/NDF: 49.7/41

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

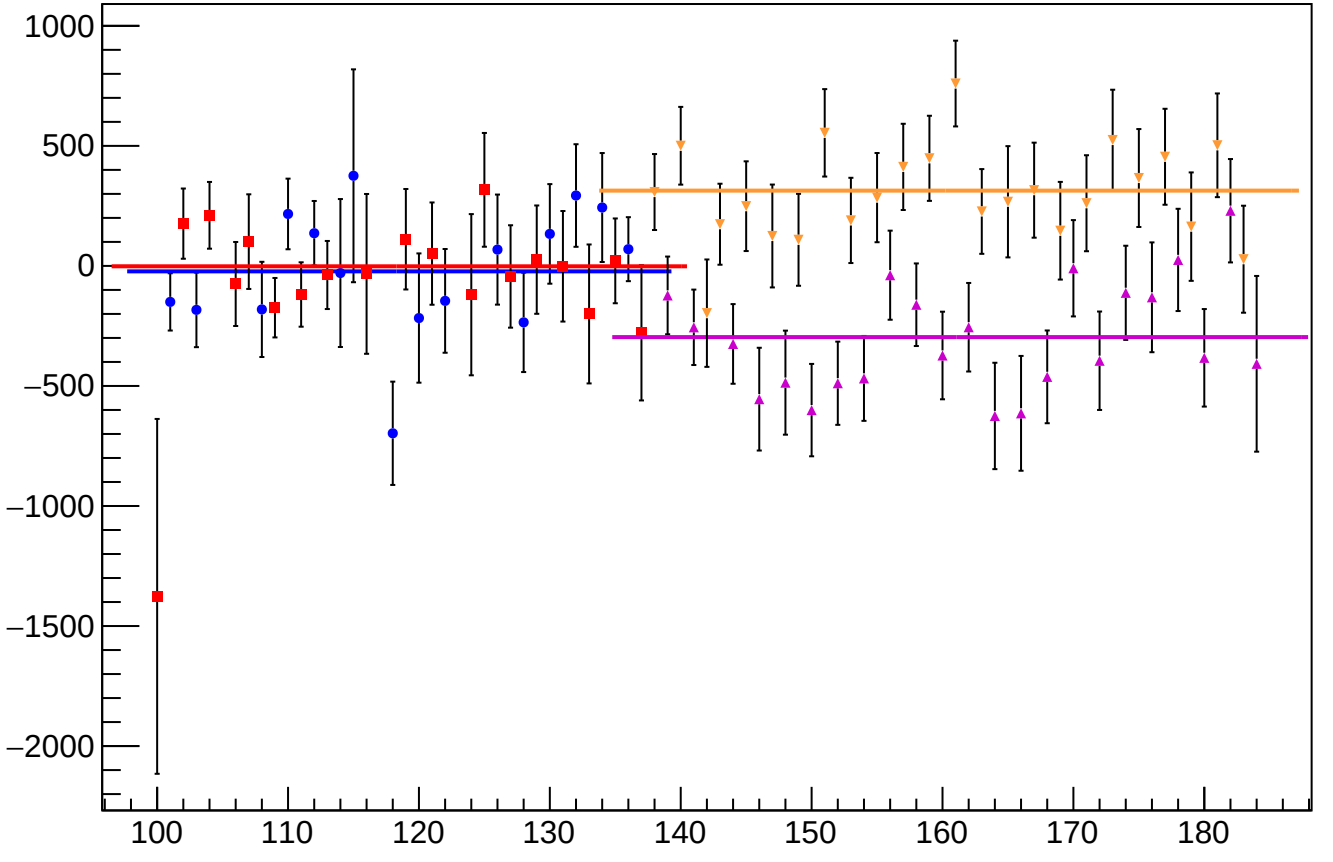
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 809.127+/-0.121 χ^2/NDF: 8120374.3/39

All: 811.394+/-0.086 χ^2/NDF: 15663499.7/81

- sign 813.713+/-0.123 χ^2/NDF: 7542420.7/41

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

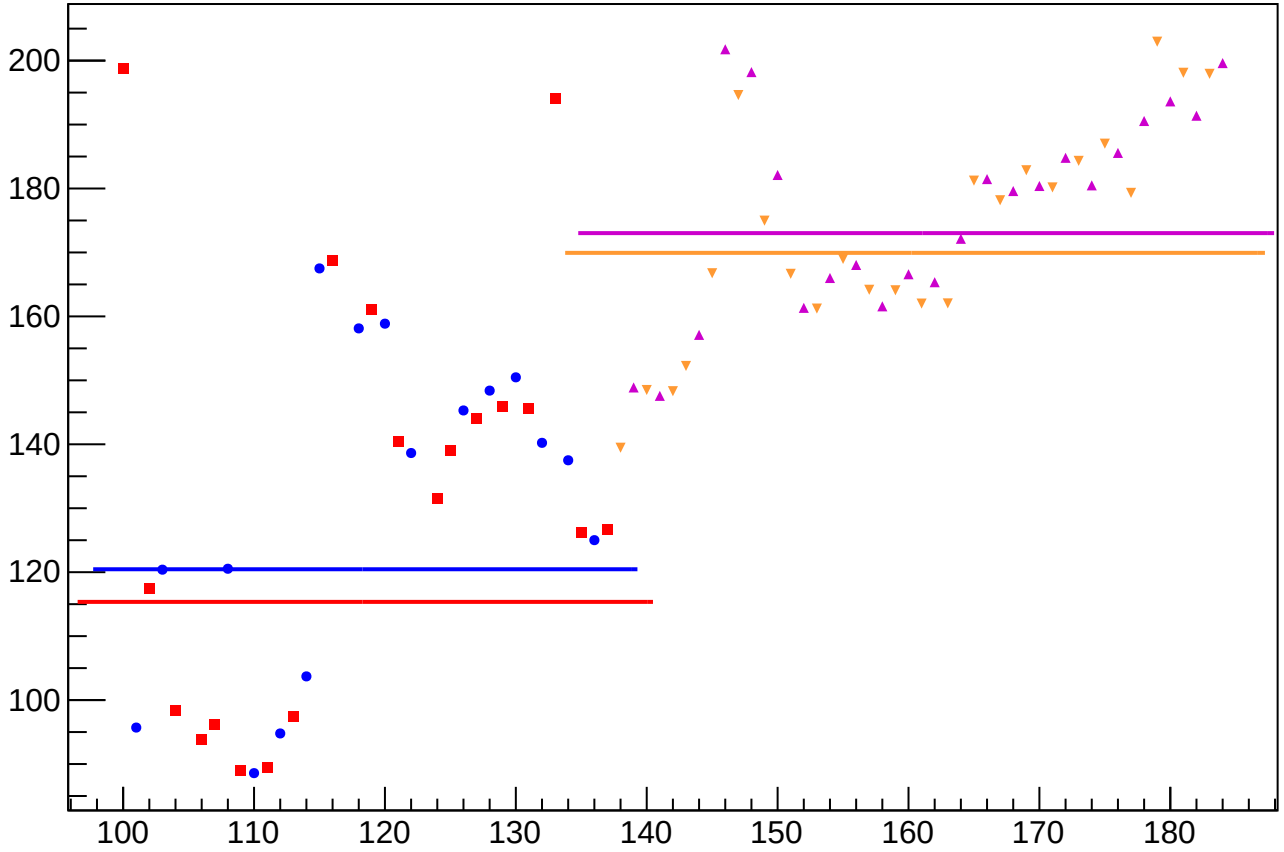
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 172.303+/-29.763 χ^2/NDF: 79.4/39

All: 6.124+/-21.024 χ^2/NDF: 208.3/81

- sign -159.394+/-29.703 χ^2/NDF: 66.6/41

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

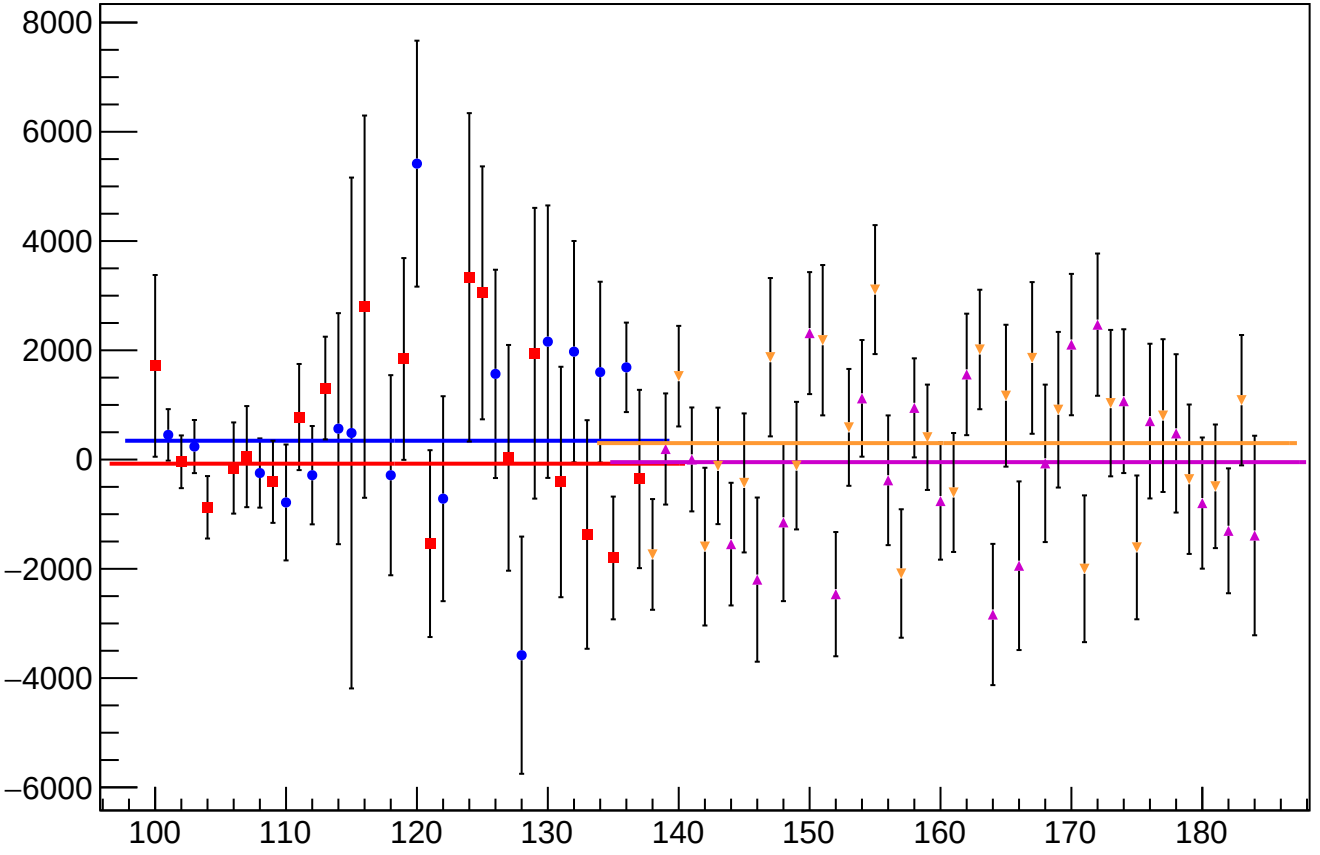
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

\+ sign 149.141+/-0.021 χ^2/NDF: 2230979.8/39

All: 147.674+/-0.015 χ^2/NDF: 5176887.1/81

\- sign 146.213+/-0.021 χ^2/NDF: 2936212.1/41

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

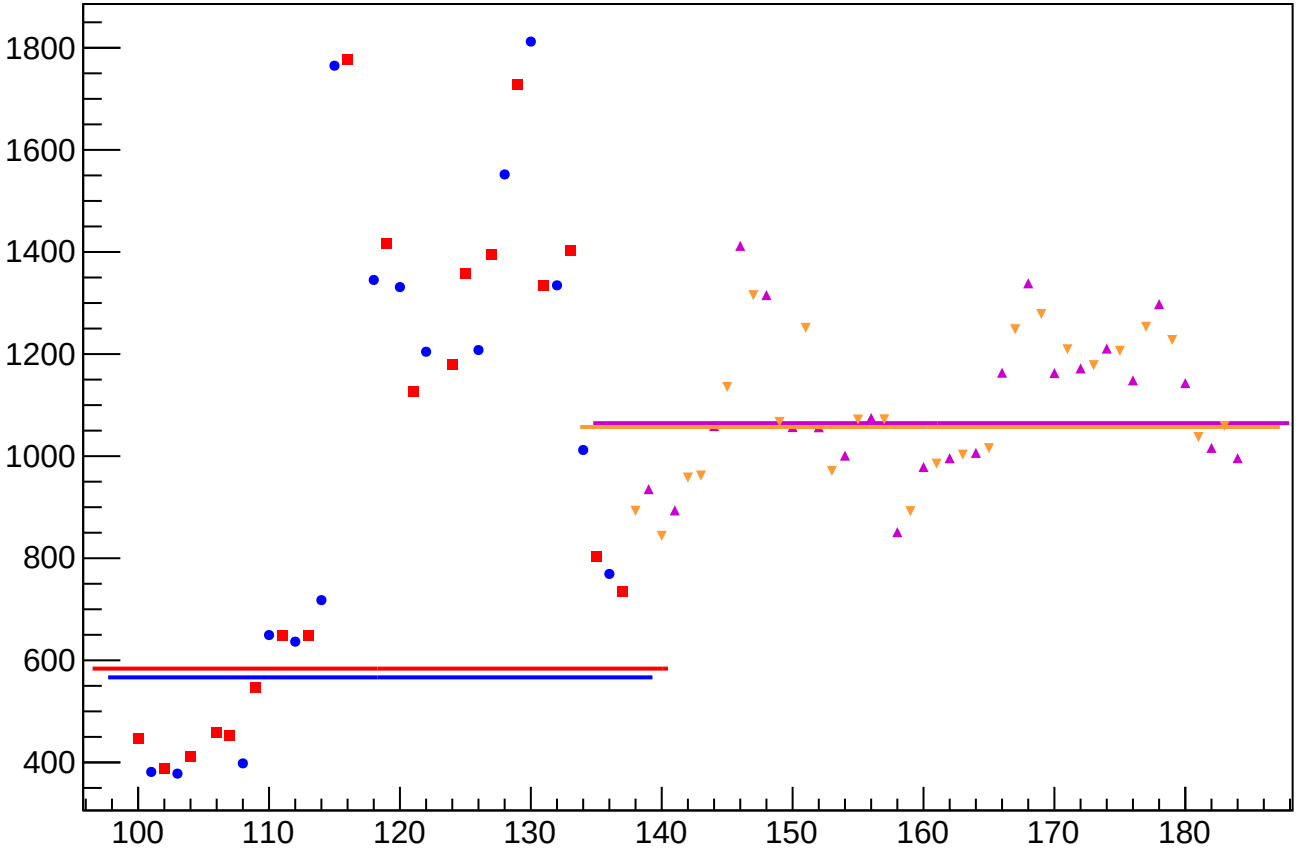
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 322.996+/-171.746 χ^2/NDF: 49.0/39

All: 132.731+/-122.137 χ^2/NDF: 101.1/81

- sign -61.951+/-173.728 χ^2/NDF: 49.7/41

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

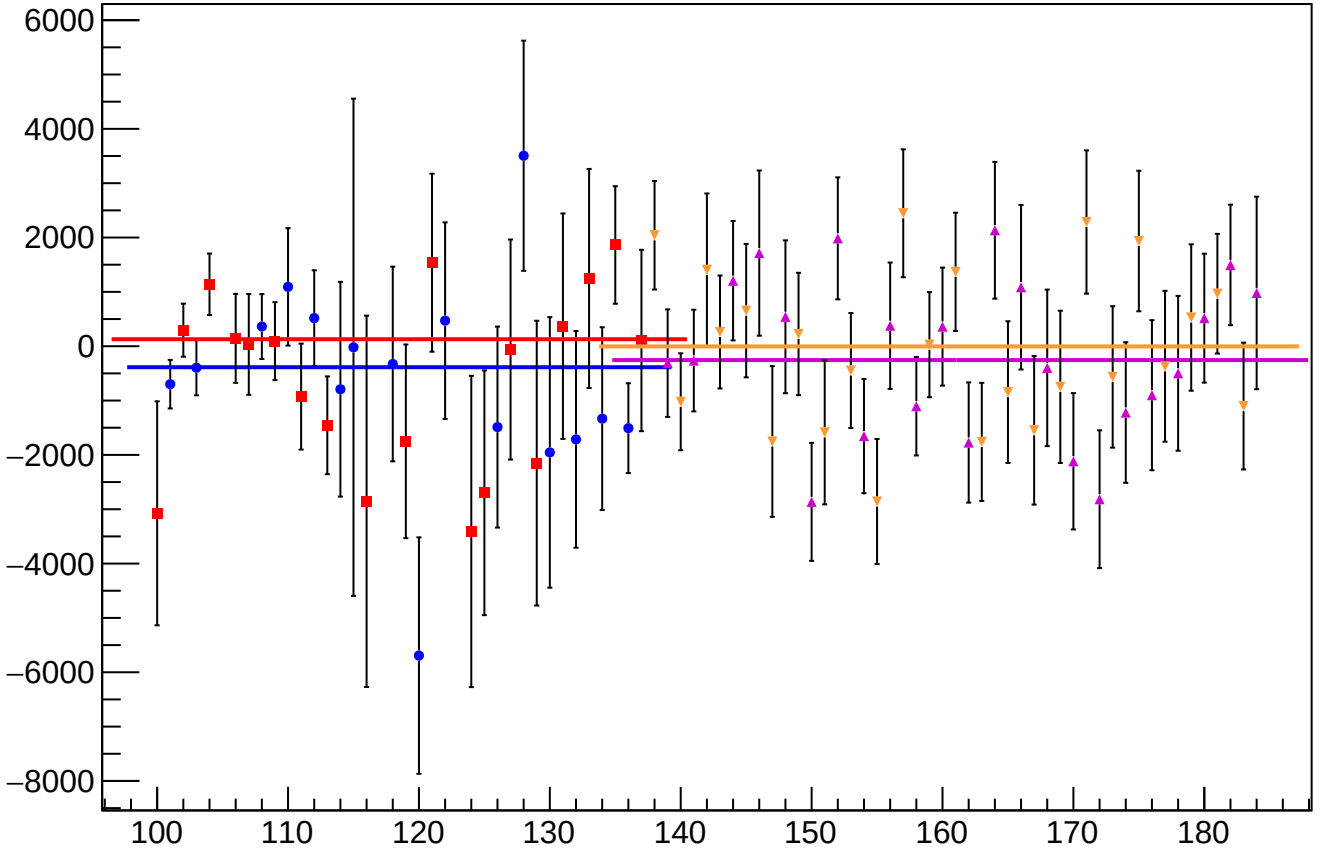
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 809.126+/-0.121 χ^2/NDF: 8120403.2/39

All: 811.393+/-0.086 χ^2/NDF: 15663542.9/81

- sign 813.712+/-0.123 χ^2/NDF: 7542435.0/41

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

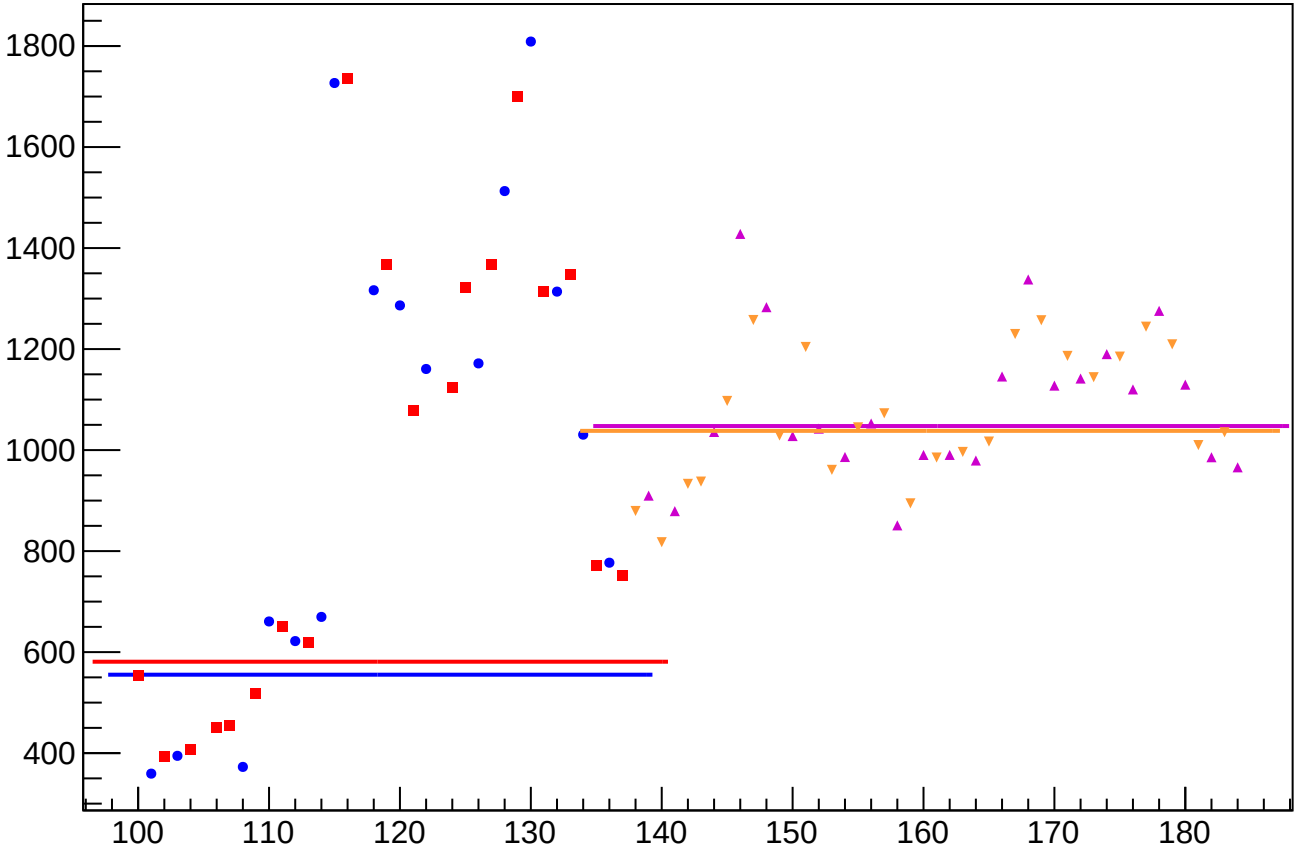
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -196.647+/-168.747 χ^2/NDF: 53.3/39

All: -127.637+/-120.298 χ^2/NDF: 107.9/81

- sign -56.322+/-171.542 χ^2/NDF: 54.2/41

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

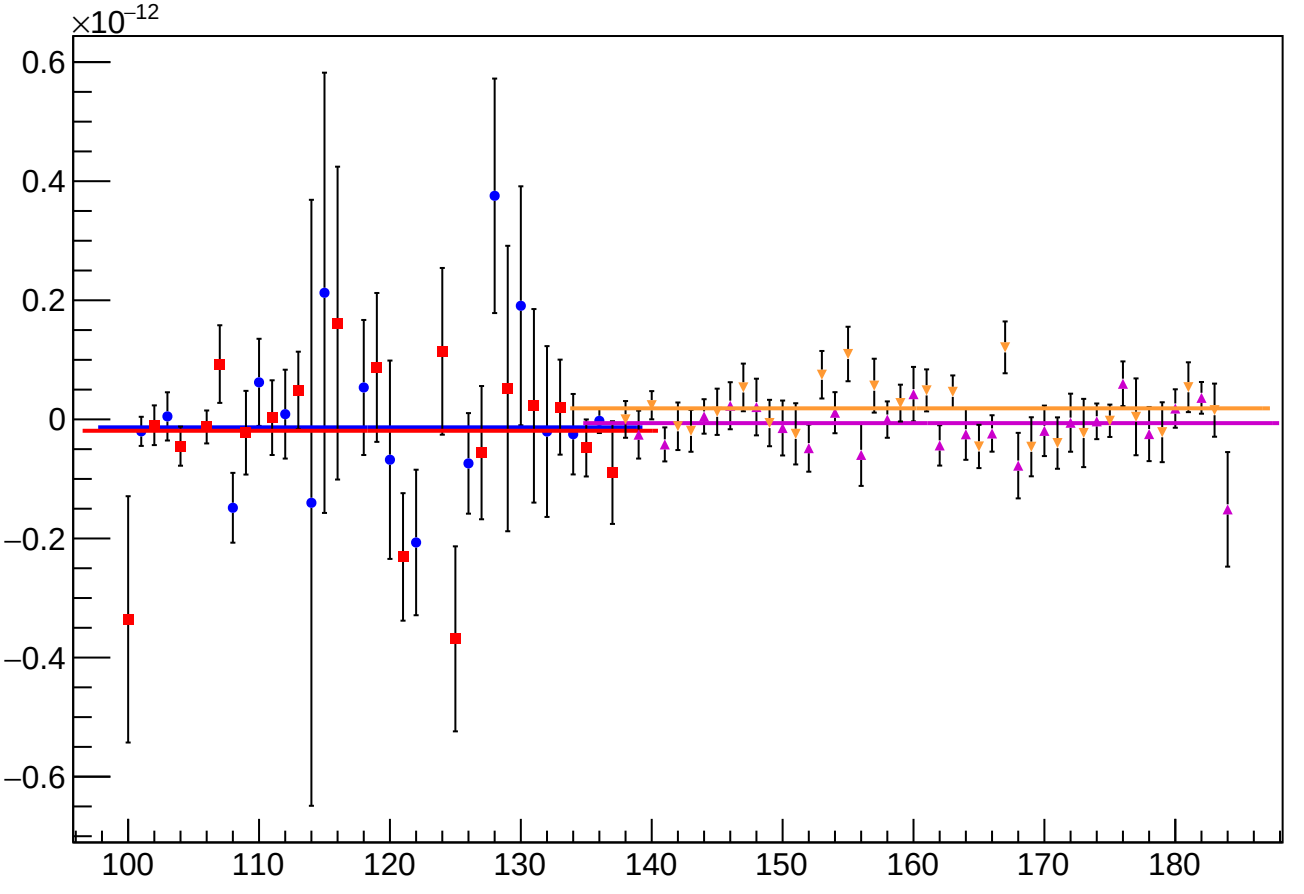
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 794.401+/-0.119 χ^2/NDF: 8158968.3/39

All: 799.958+/-0.085 χ^2/NDF: 15455056.8/81

- sign 805.701+/-0.121 χ^2/NDF: 7291678.2/41

asym_sam6_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:27.2/23

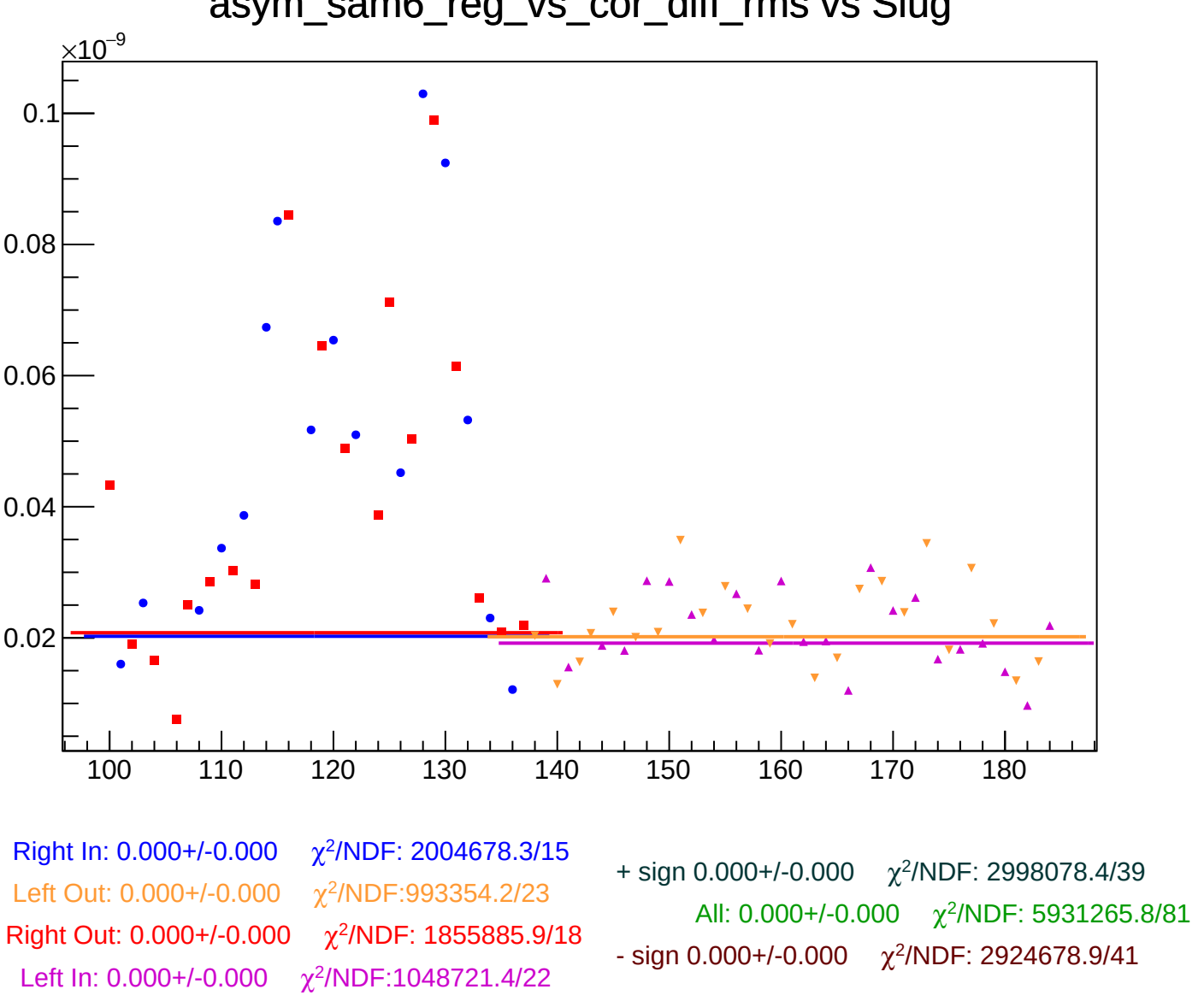
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

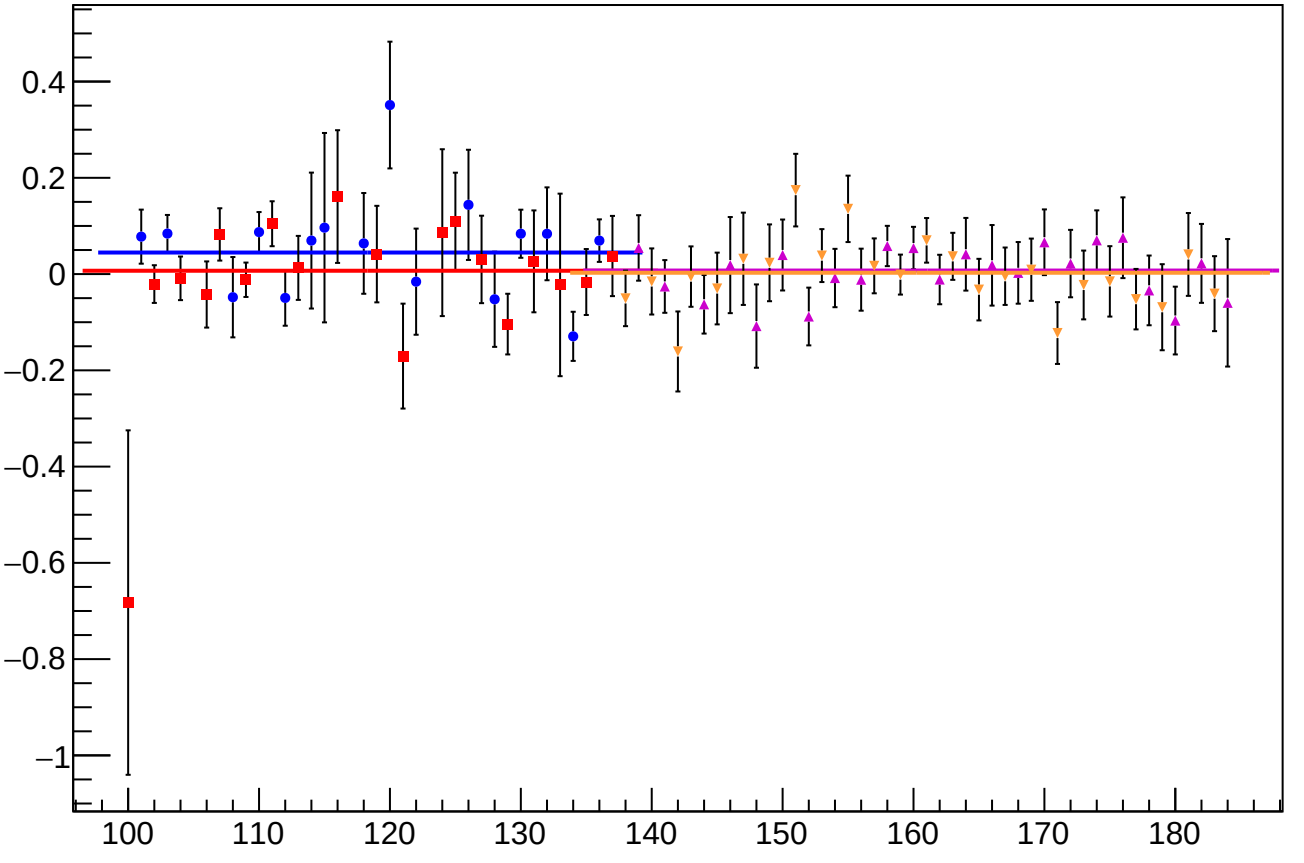
+ sign 0.000+/-0.000 χ^2/NDF: 47.6/39

All: 0.000+/-0.000 χ^2/NDF: 91.1/81

- sign -0.000+/-0.000 χ^2/NDF: 39.1/41


asym_sam6_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: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:993354.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:1048721.4/22
+ sign 0.000+/-0.000 χ²/NDF: 2998078.4/39
All: 0.000+/-0.000 χ²/NDF: 5931265.8/81
- sign 0.000+/-0.000 χ²/NDF: 2924678.9/41

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

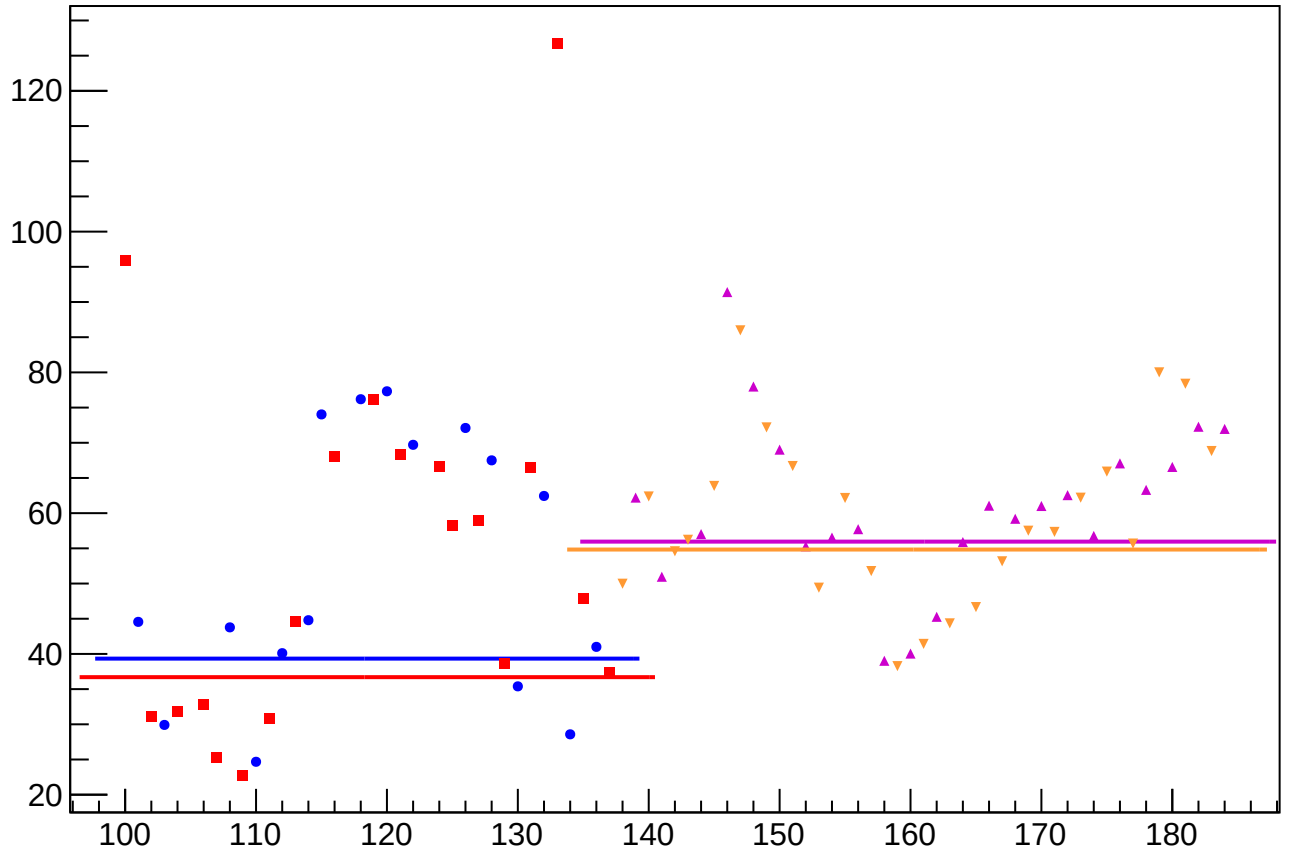
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 54.1/39

All: 0.013+/-0.007 χ^2/NDF: 90.1/81

- sign 0.007+/-0.010 χ^2/NDF: 35.2/41



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

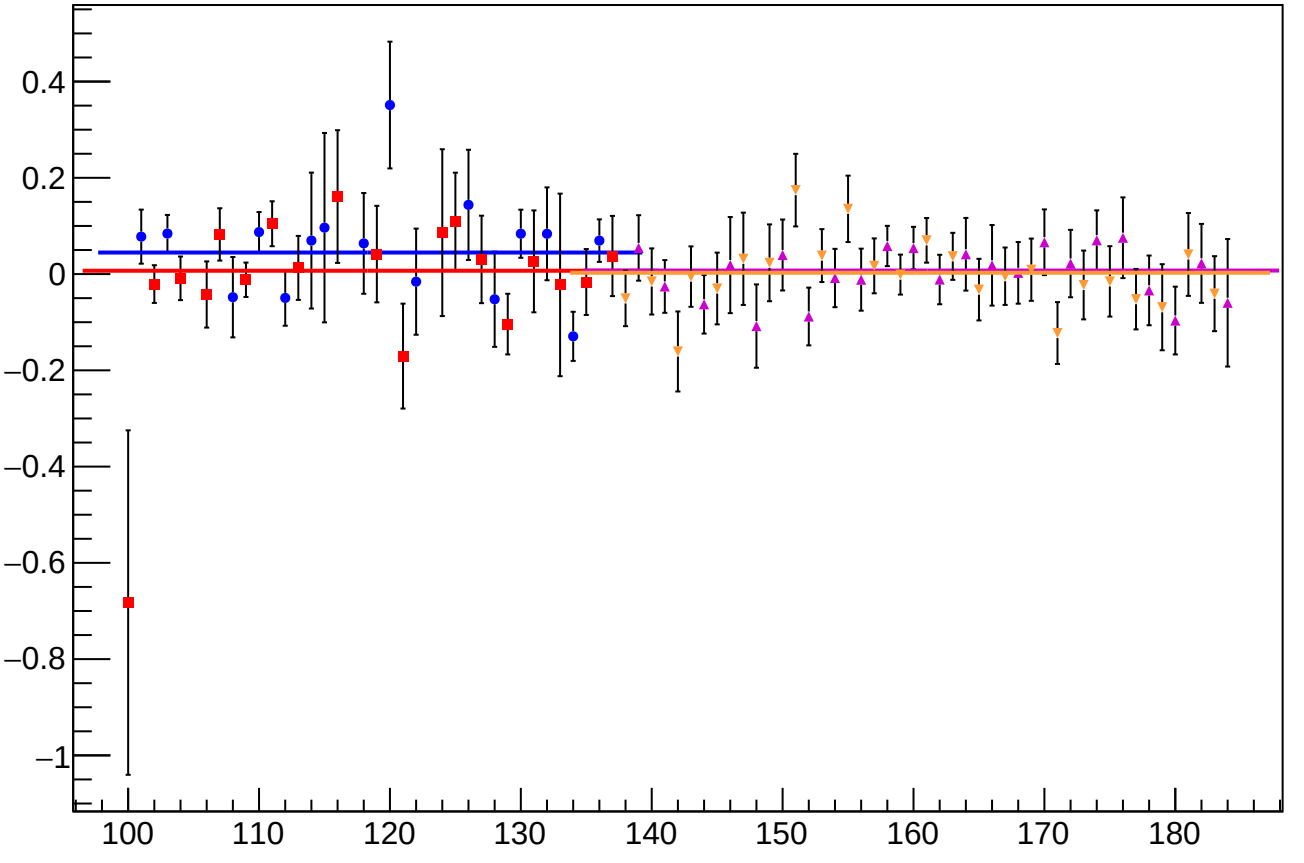
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

\+ sign 48.676+/-0.007 χ^2/NDF: 4224644.1/39

All: 48.035+/-0.005 χ^2/NDF: 9547711.6/81

\- sign 47.396+/-0.007 χ^2/NDF: 5306951.0/41

asym_sam6_dit_vs_eigen_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

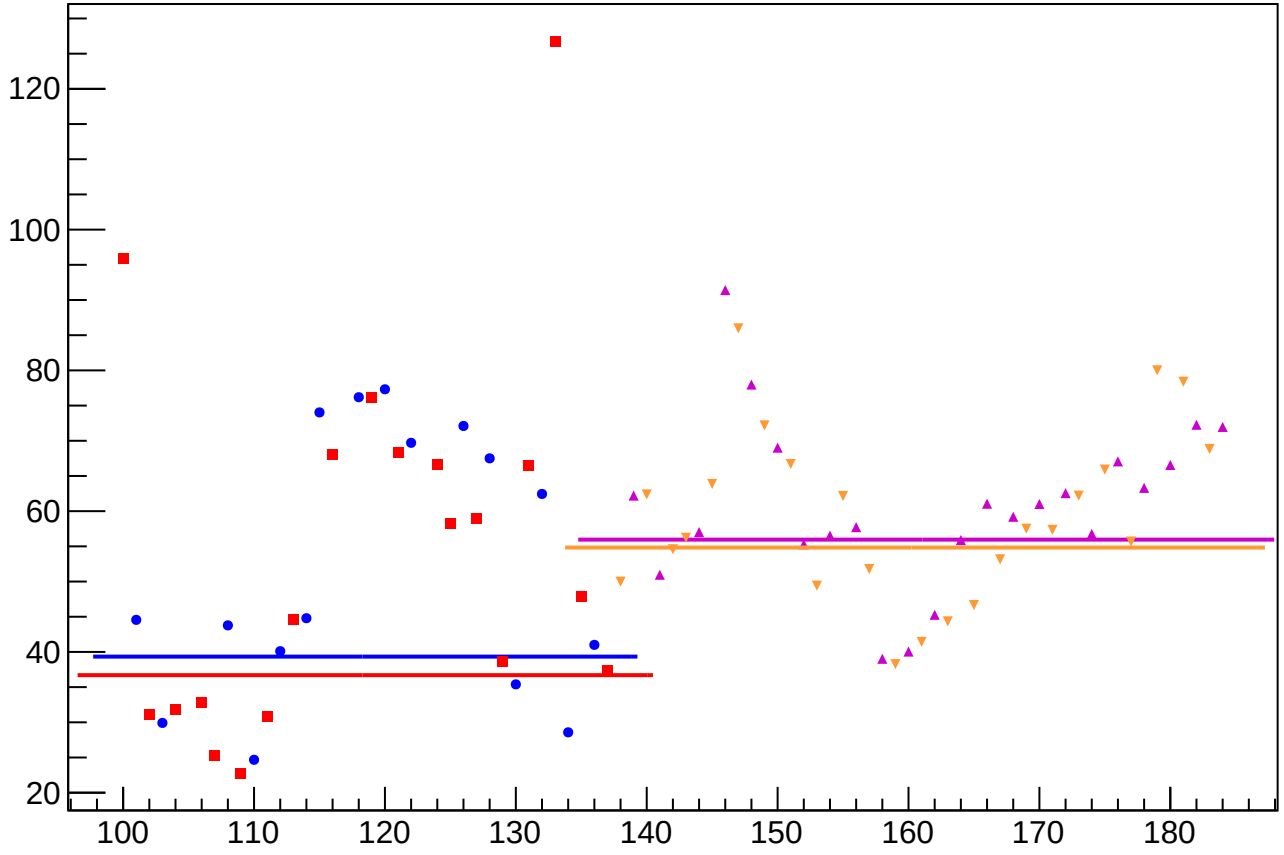
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 54.1/39

All: 0.013+/-0.007 χ^2/NDF: 90.1/81

- sign 0.007+/-0.010 χ^2/NDF: 35.2/41

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

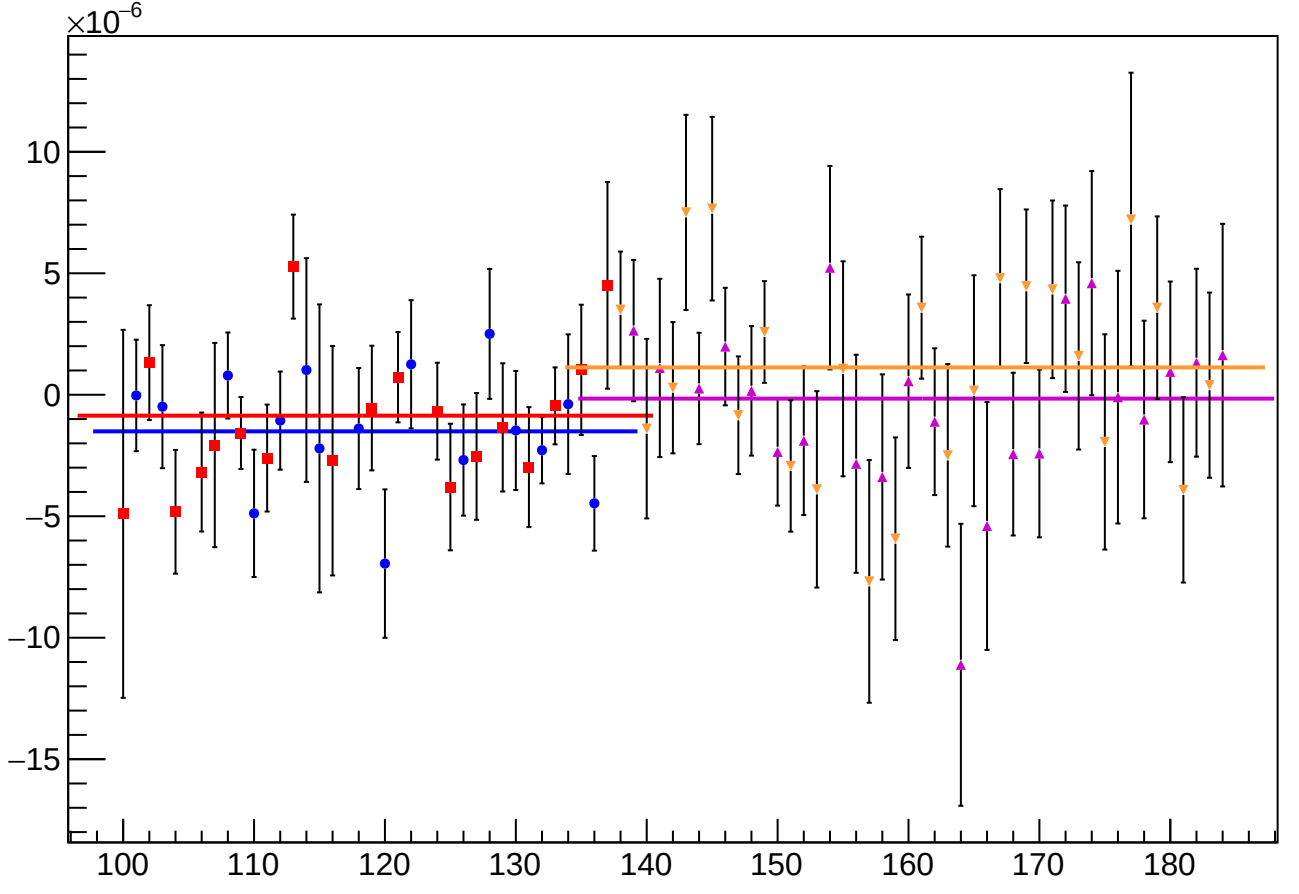
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 48.676+/-0.007 χ^2/NDF: 4224644.1/39

All: 48.035+/-0.005 χ^2/NDF: 9547711.6/81

- sign 47.396+/-0.007 χ^2/NDF: 5306951.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

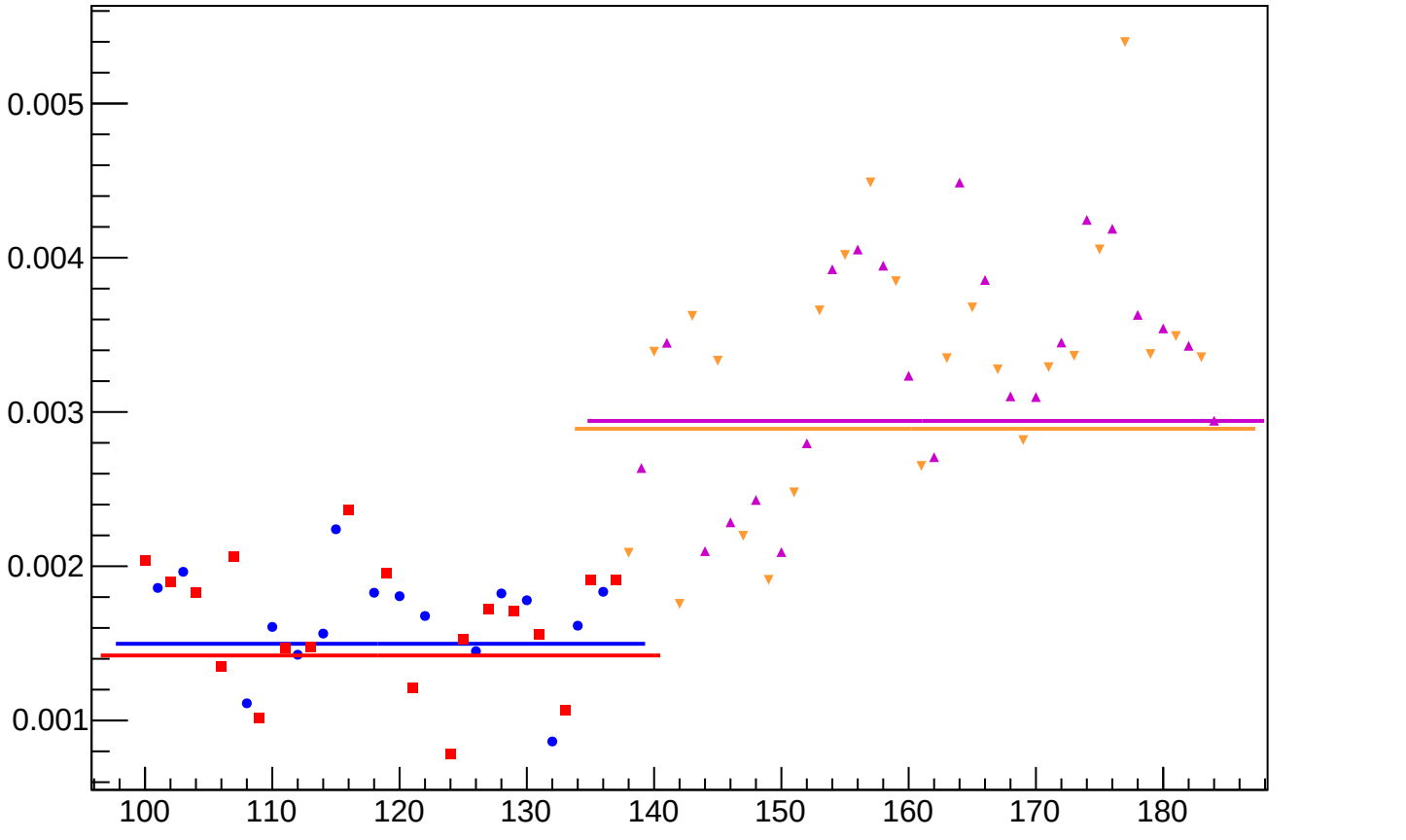
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/39

All: -0.000+/-0.000 χ^2/NDF: 82.5/81

- sign -0.000+/-0.000 χ^2/NDF: 33.8/41



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:2638978.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

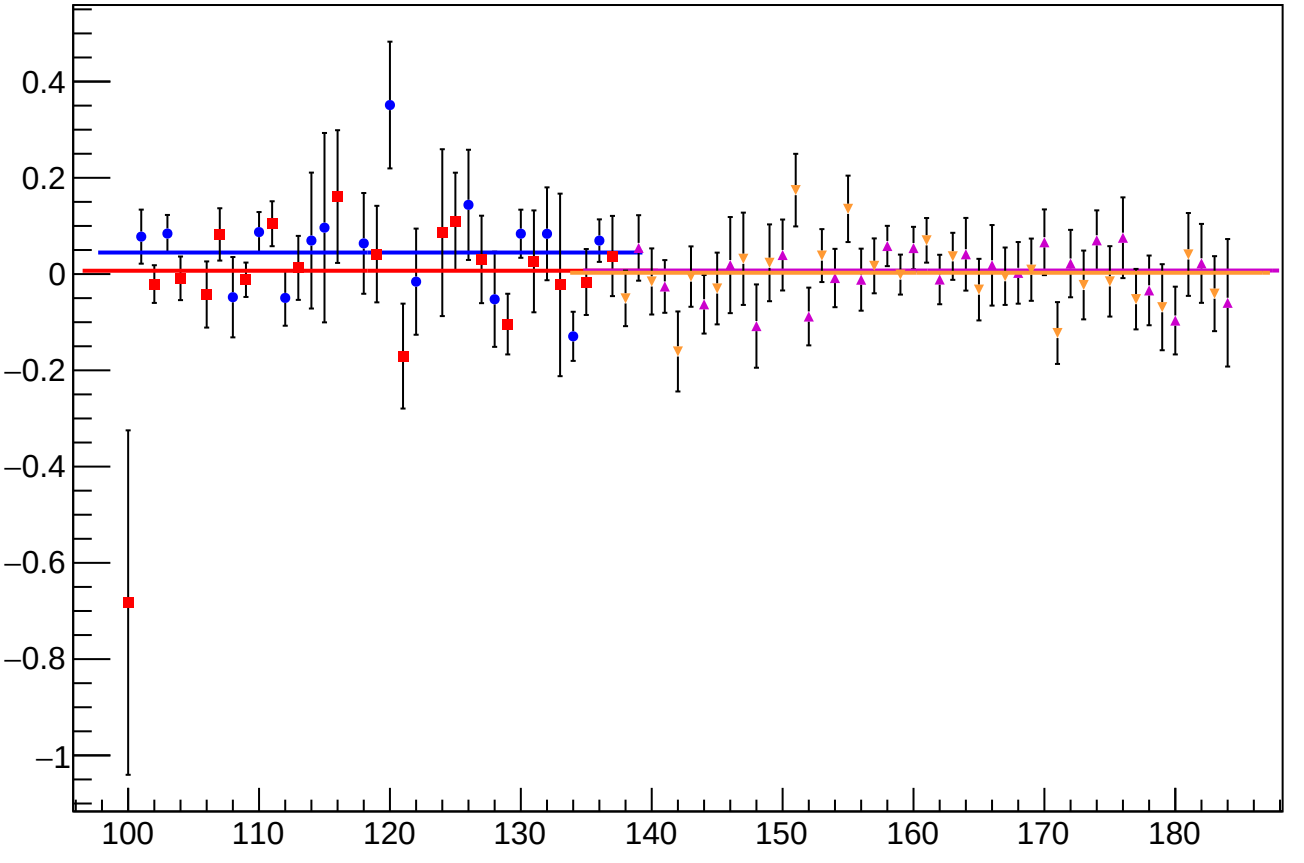
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 8280166.0/39

All: 0.002+/-0.000 χ^2/NDF: 16998891.3/81

- sign 0.002+/-0.000 χ^2/NDF: 8674700.5/41

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

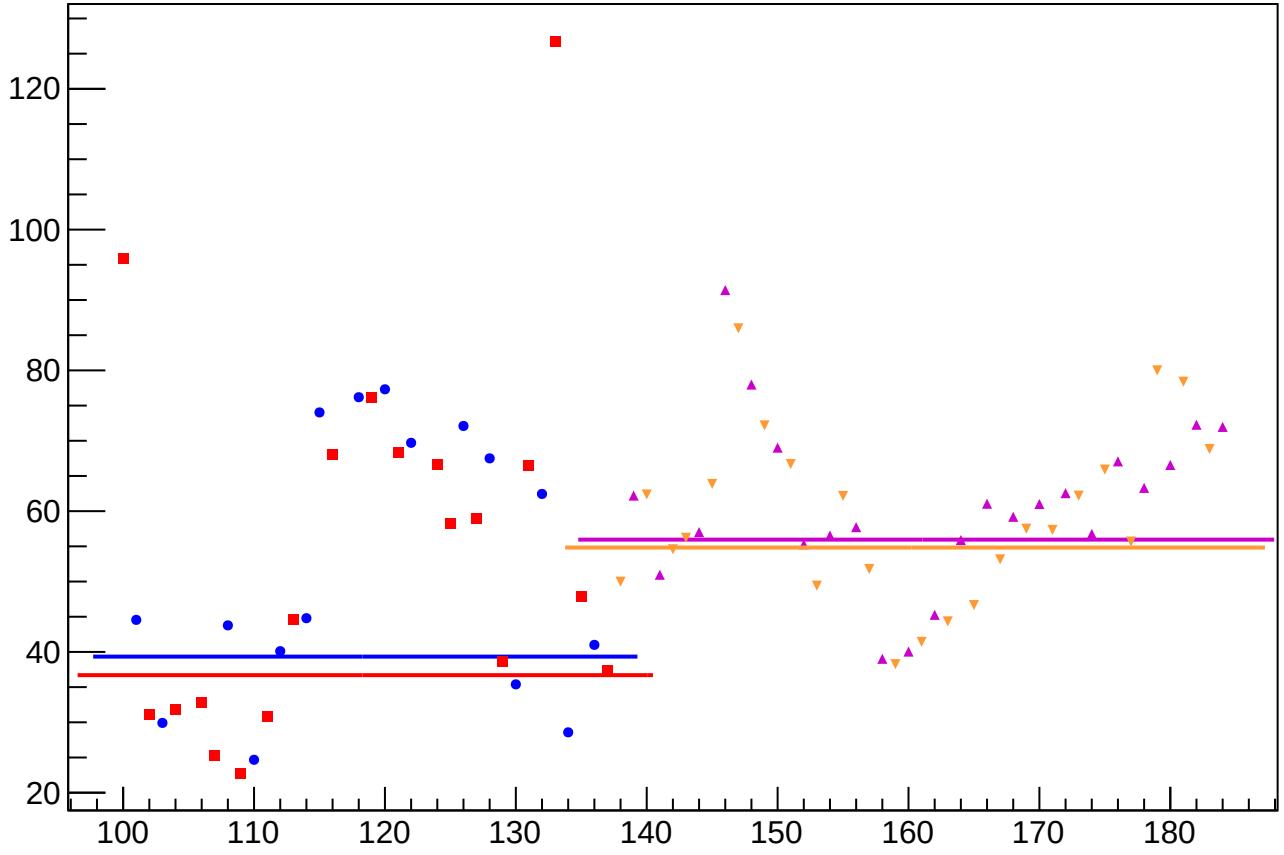
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 54.1/39

All: 0.013+/-0.007 χ^2/NDF: 90.1/81

- sign 0.007+/-0.010 χ^2/NDF: 35.2/41

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

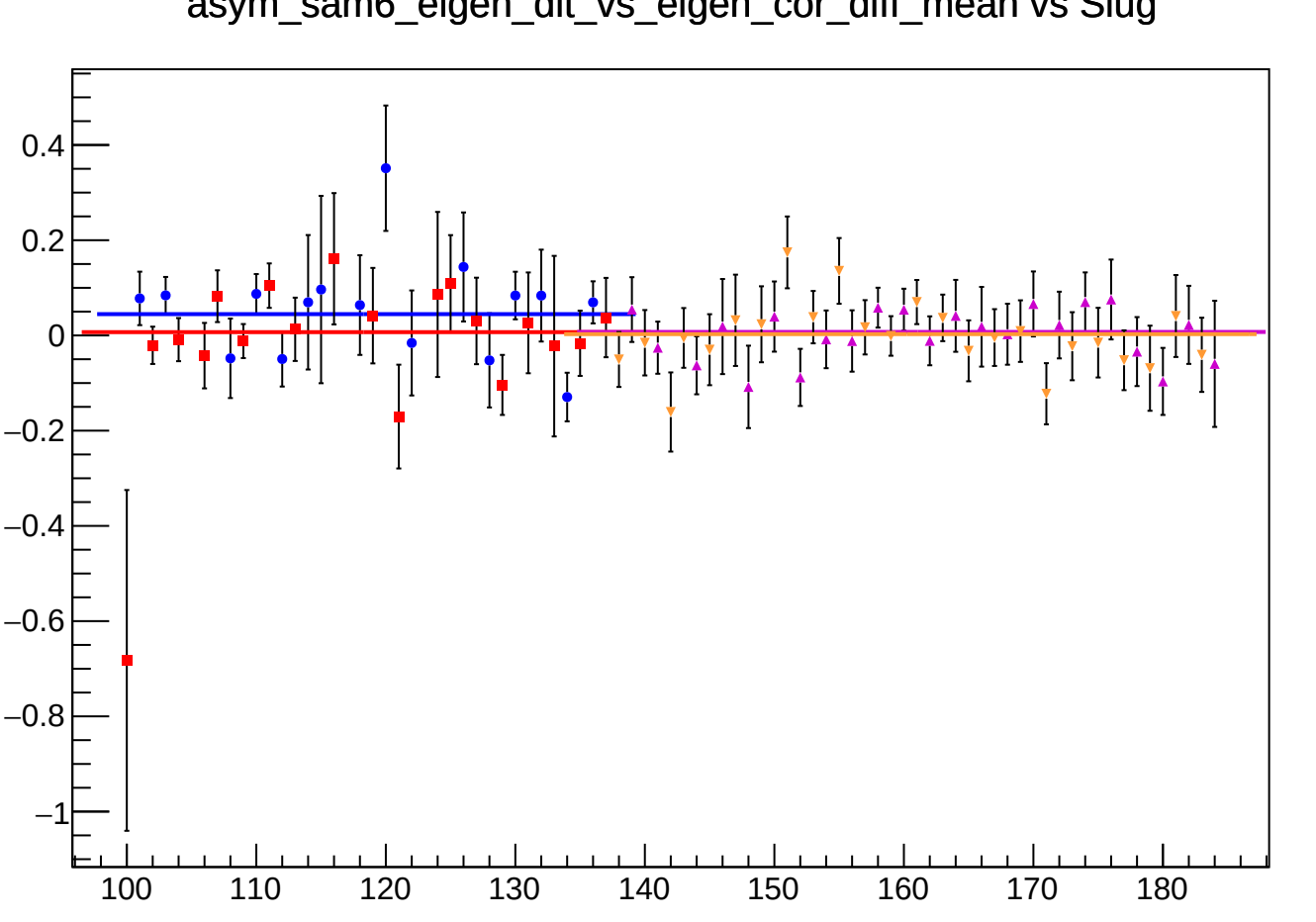
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

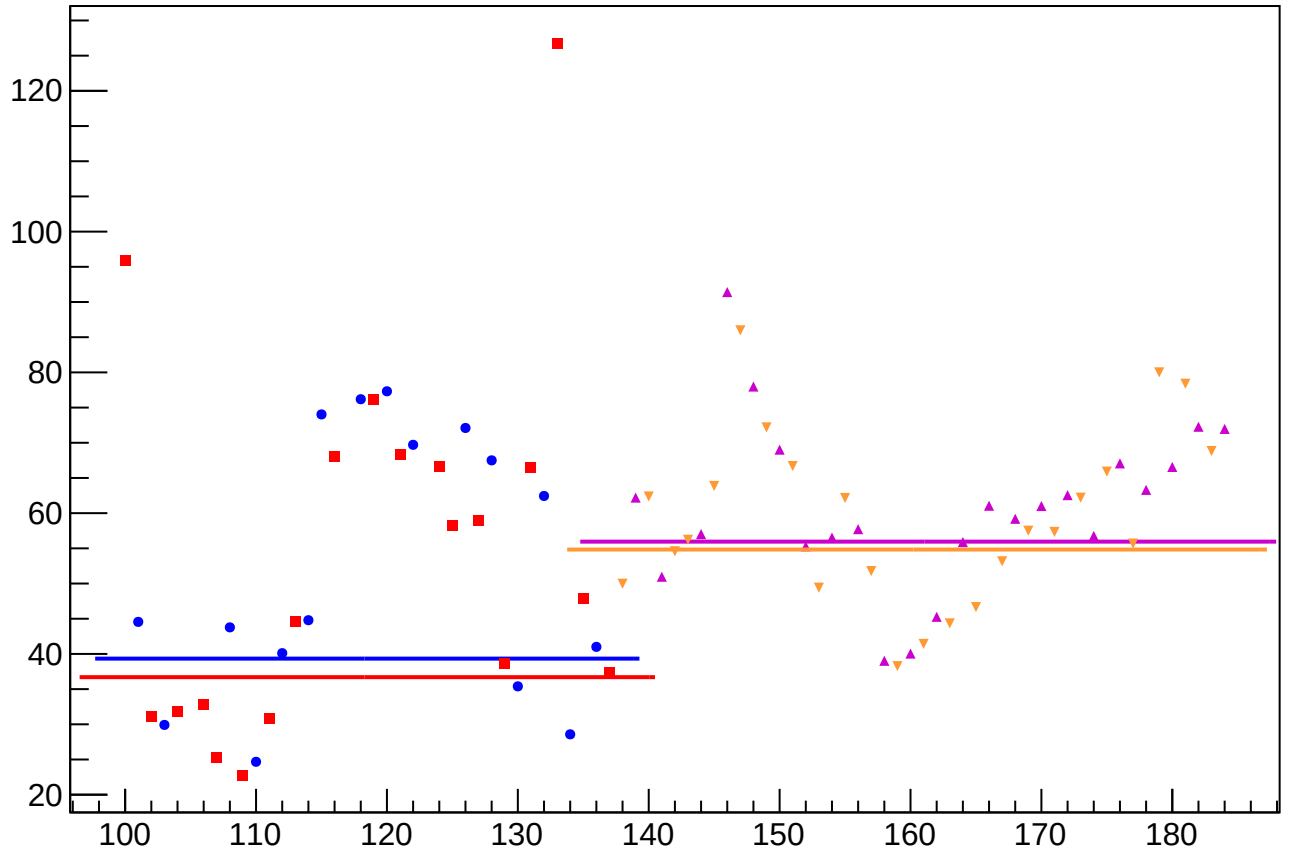
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 48.675+/-0.007 χ^2/NDF: 4224746.7/39

All: 48.034+/-0.005 χ^2/NDF: 9547844.0/81

- sign 47.395+/-0.007 χ^2/NDF: 5306983.4/41


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.003+/-0.013 χ²/NDF:23.4/23
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.019+/-0.010 χ²/NDF: 54.1/39
All: 0.013+/-0.007 χ²/NDF: 90.1/81
- sign 0.007+/-0.010 χ²/NDF: 35.2/41



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

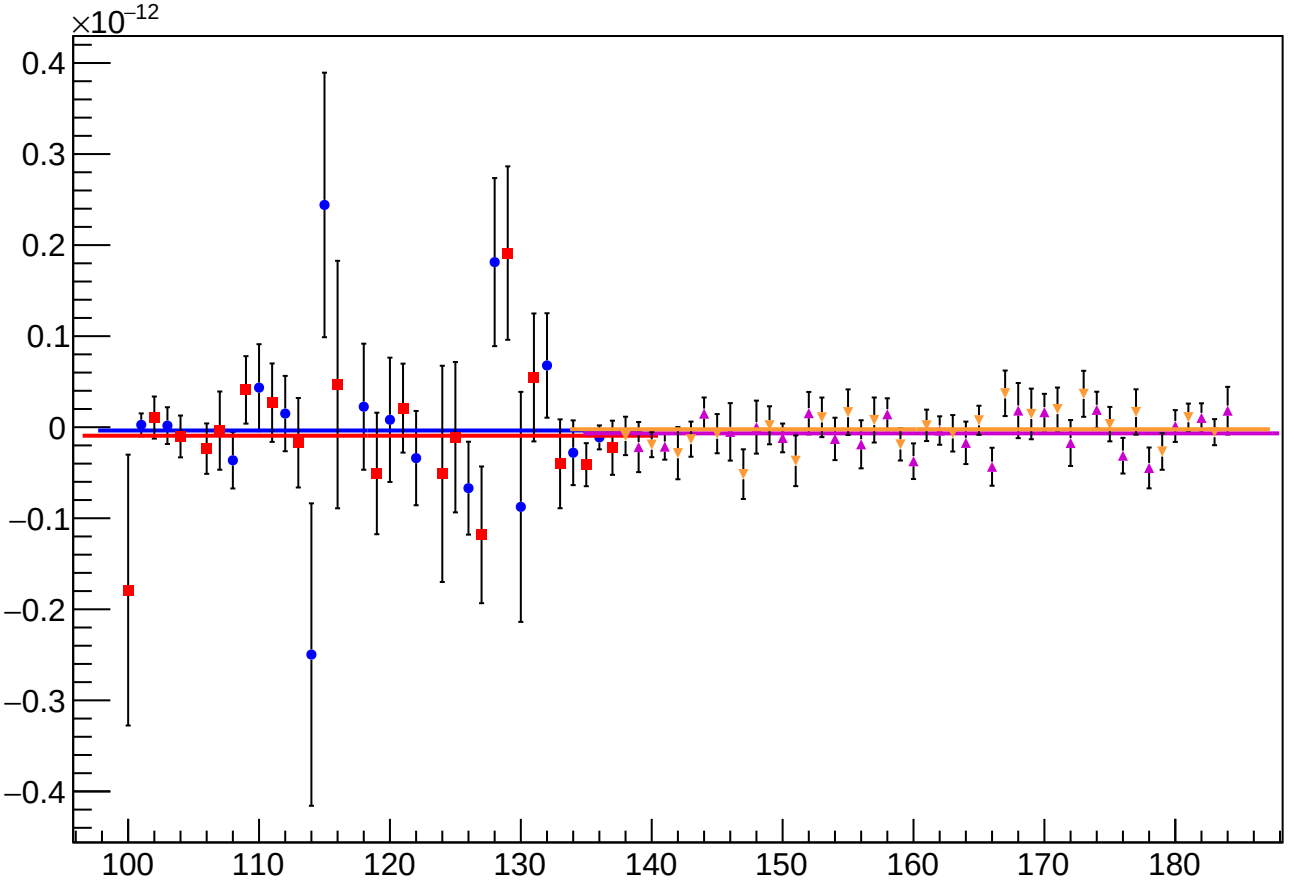
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 48.675+/-0.007 χ^2/NDF: 4224746.7/39

All: 48.034+/-0.005 χ^2/NDF: 9547844.0/81

- sign 47.395+/-0.007 χ^2/NDF: 5306983.4/41

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

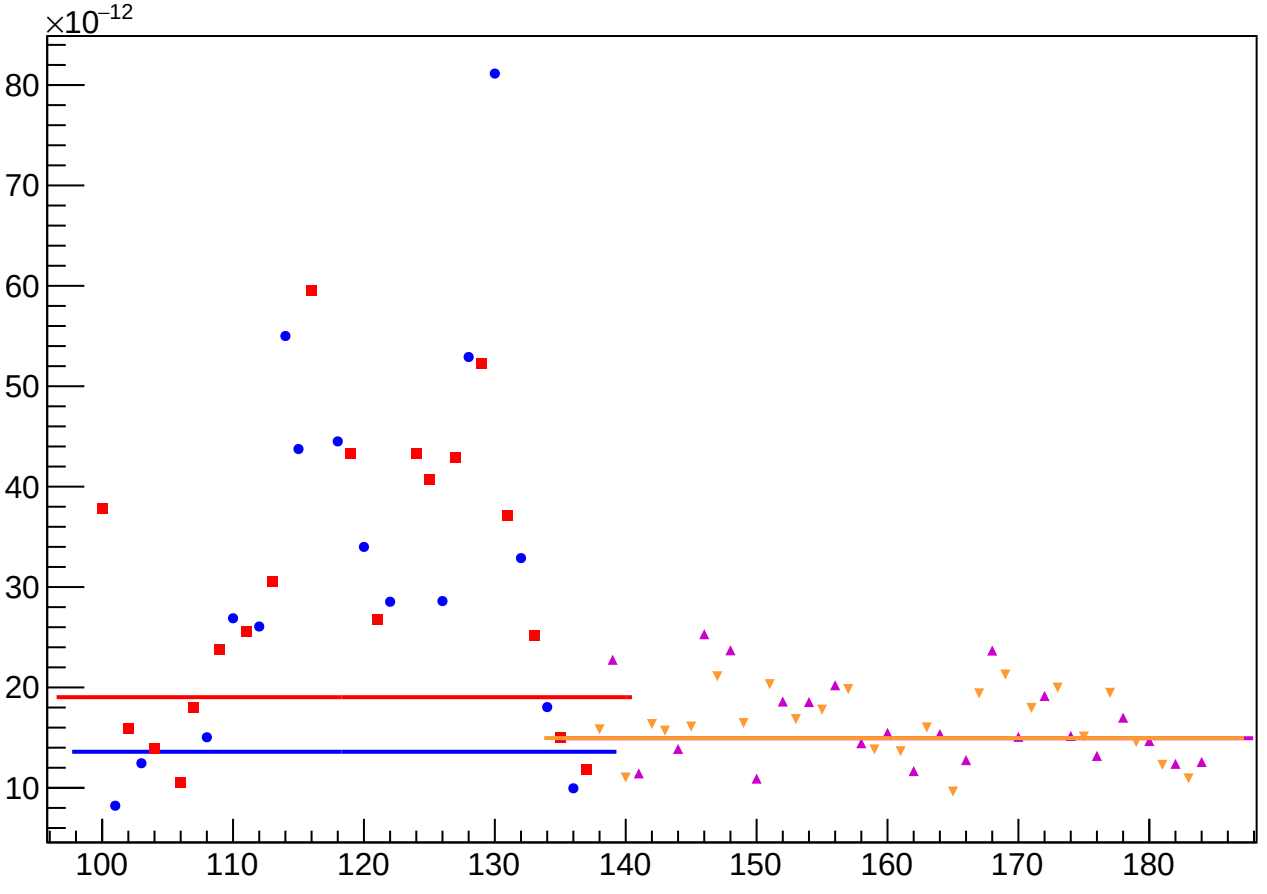
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/39

All: -0.000+/-0.000 χ^2/NDF: 74.4/81

- sign -0.000+/-0.000 χ^2/NDF: 37.7/41

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1299126.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

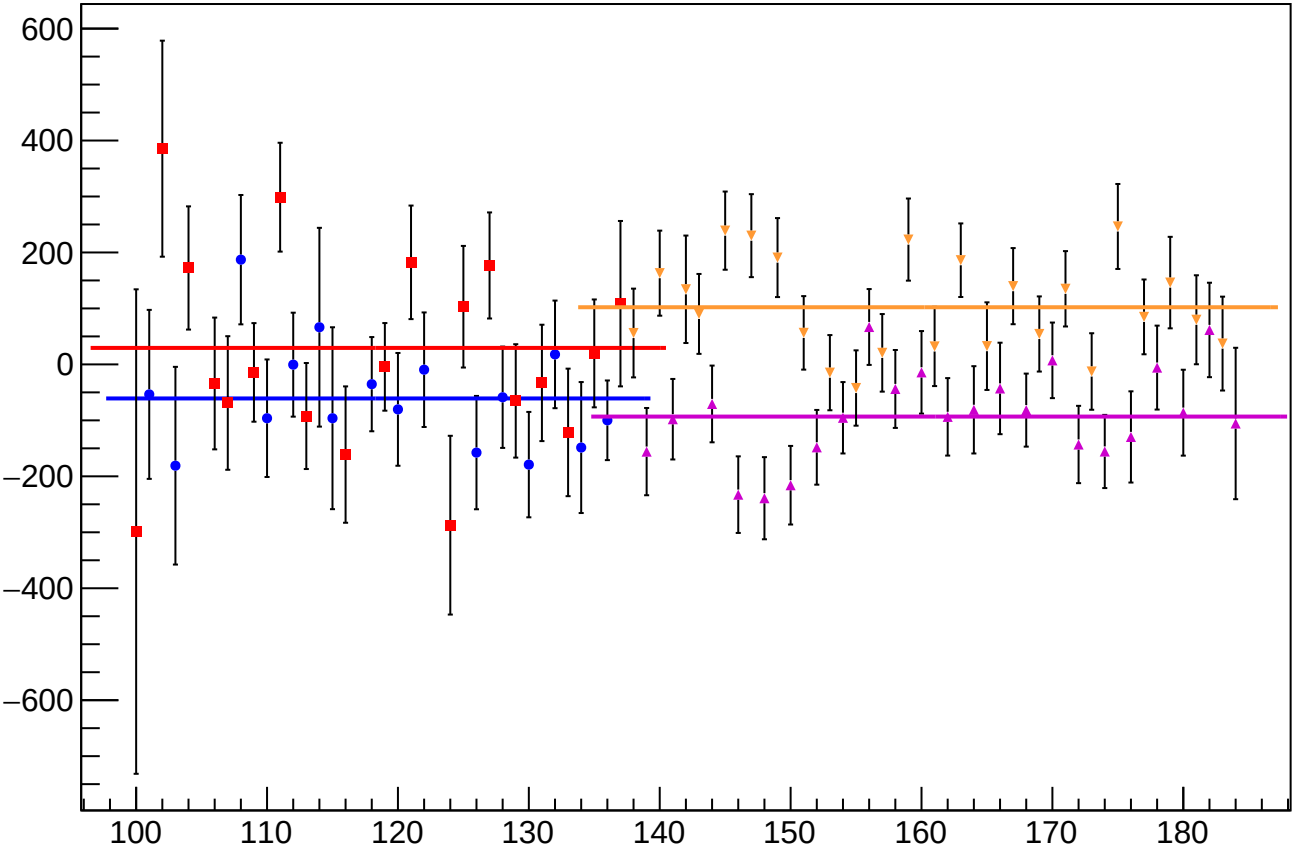
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4540006.1/39

All: 0.000+/-0.000 χ^2/NDF: 8428347.1/81

- sign 0.000+/-0.000 χ^2/NDF: 3808166.9/41

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

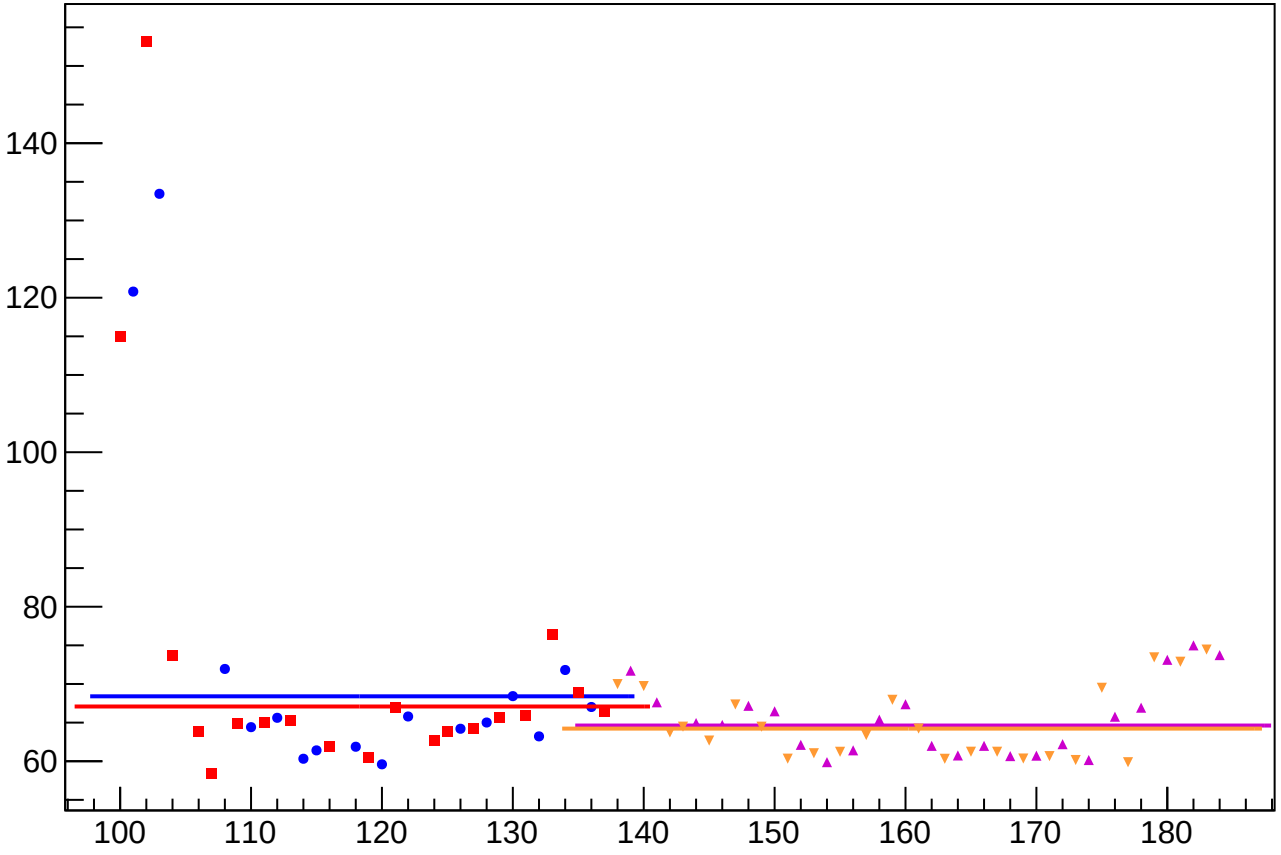
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 62.631+/-12.825 χ^2/NDF: 73.9/39

All: 1.710+/-9.117 χ^2/NDF: 197.0/81

- sign -60.527+/-12.963 χ^2/NDF: 77.6/41

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

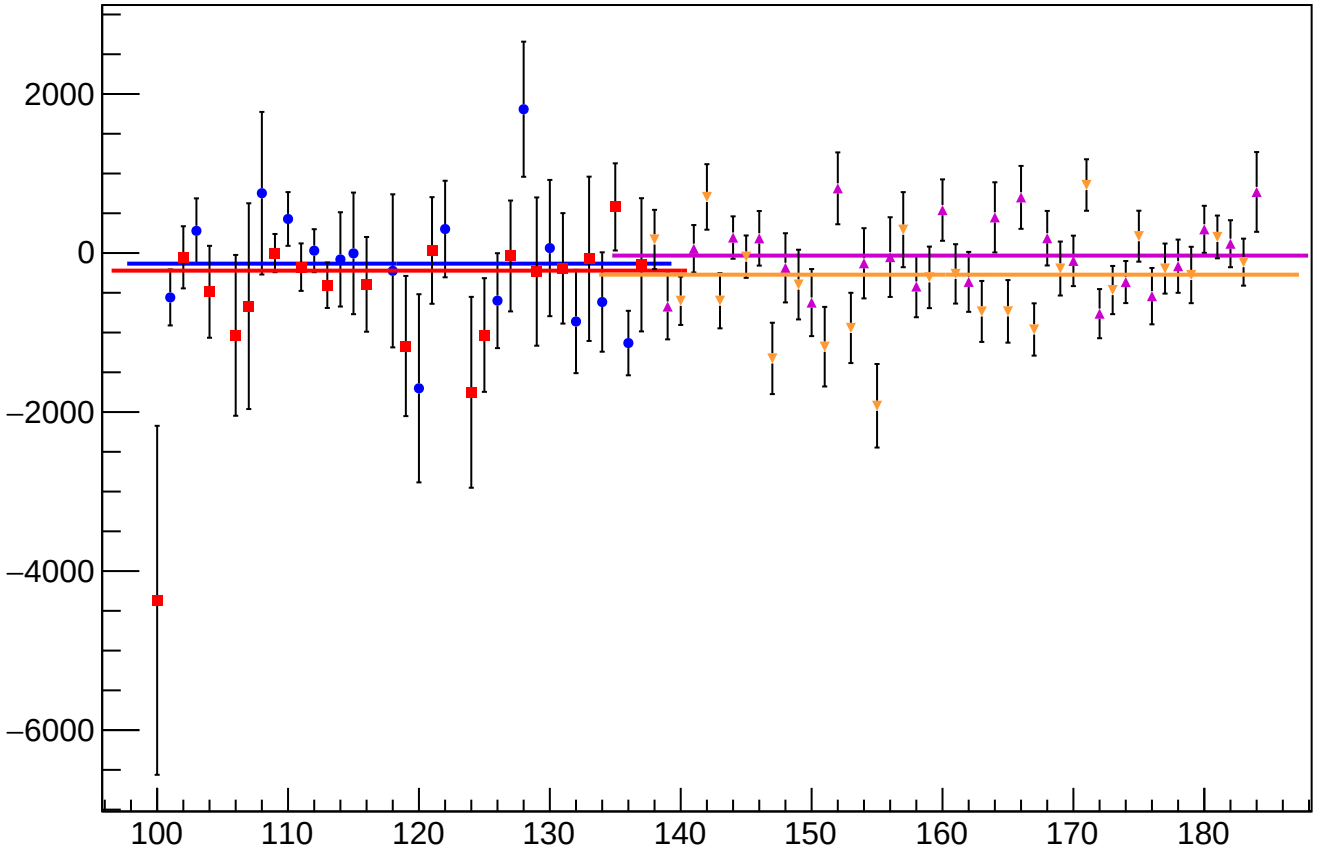
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.236+/-0.009 χ^2/NDF: 785498.7/39

All: 65.257+/-0.006 χ^2/NDF: 1428661.1/81

- sign 65.278+/-0.009 χ^2/NDF: 643151.9/41

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

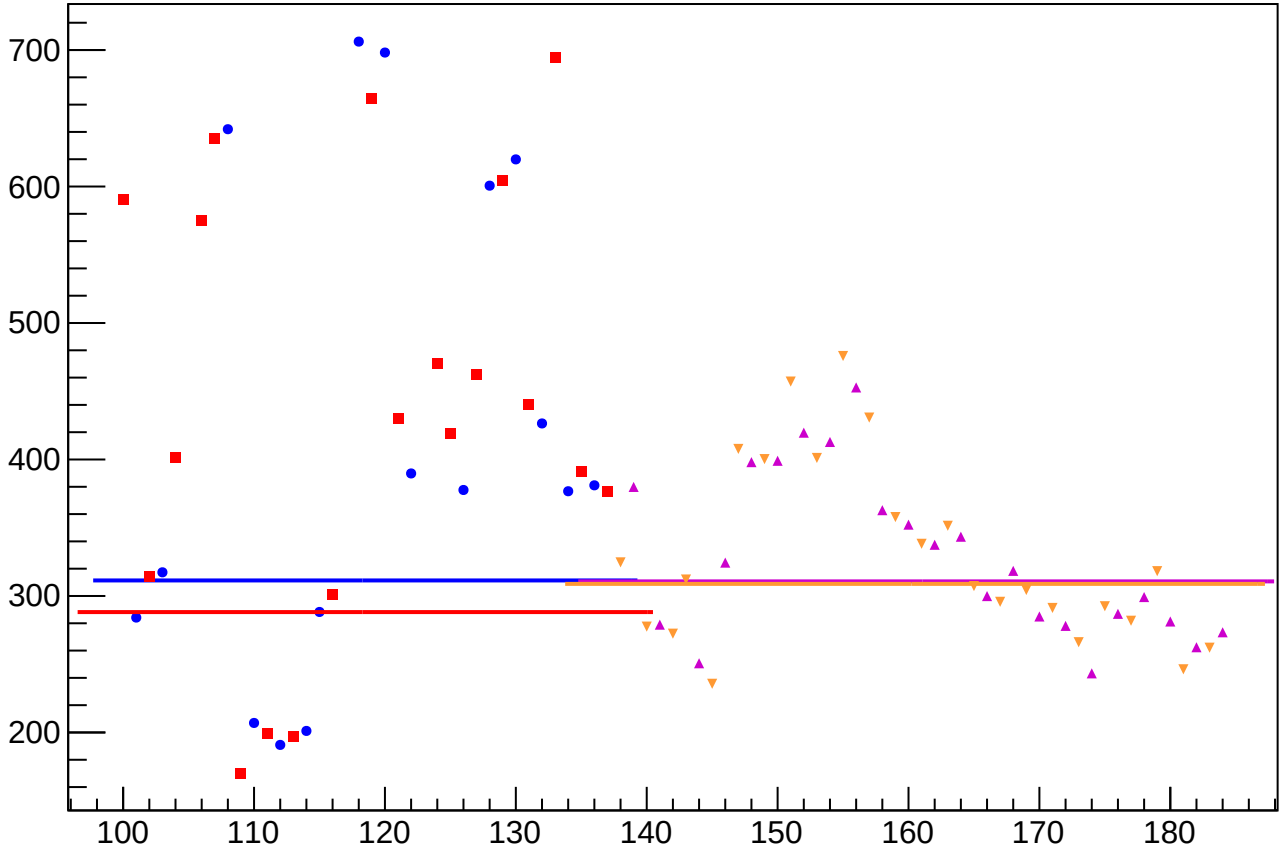
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -237.898+/-62.583 χ^2/NDF: 81.2/39

All: -161.780+/-44.245 χ^2/NDF: 130.3/81

- sign -85.716+/-62.560 χ^2/NDF: 46.1/41

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

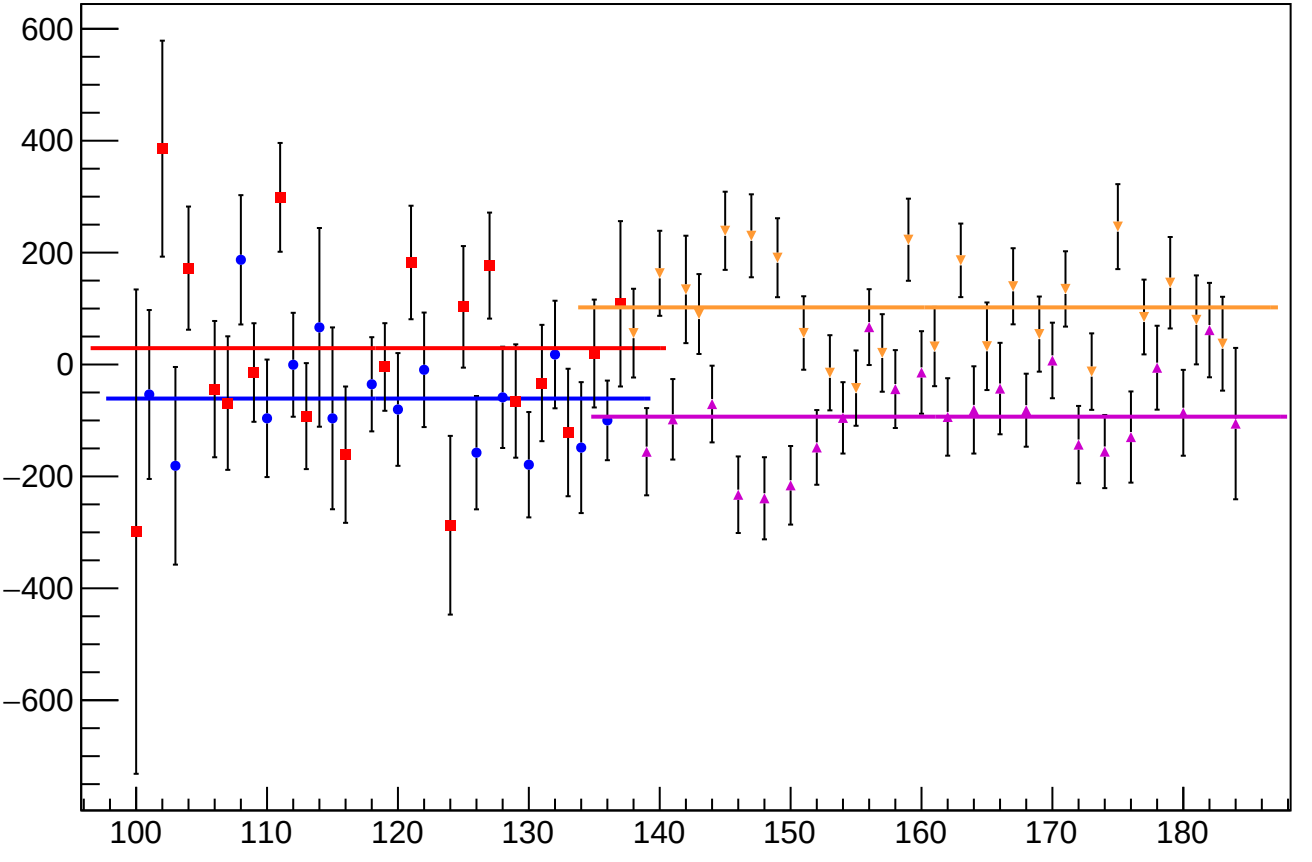
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 309.489+/-0.044 χ^2/NDF: 3396173.9/39

All: 306.919+/-0.031 χ^2/NDF: 7250131.3/81

- sign 304.352+/-0.044 χ^2/NDF: 3847217.0/41

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

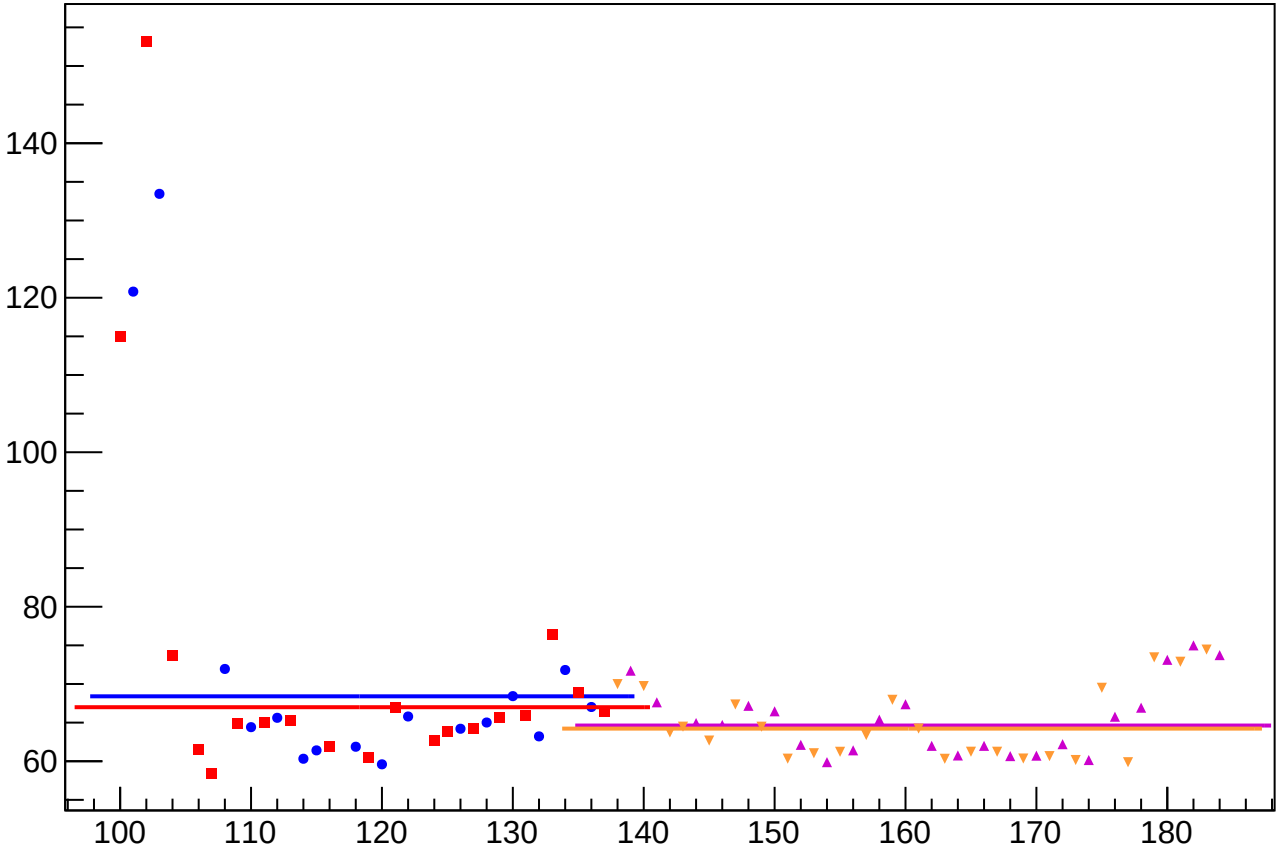
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 62.631+/-12.825 χ^2/NDF: 73.9/39

All: 1.669+/-9.119 χ^2/NDF: 197.1/81

- sign -60.660+/-12.968 χ^2/NDF: 77.5/41

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

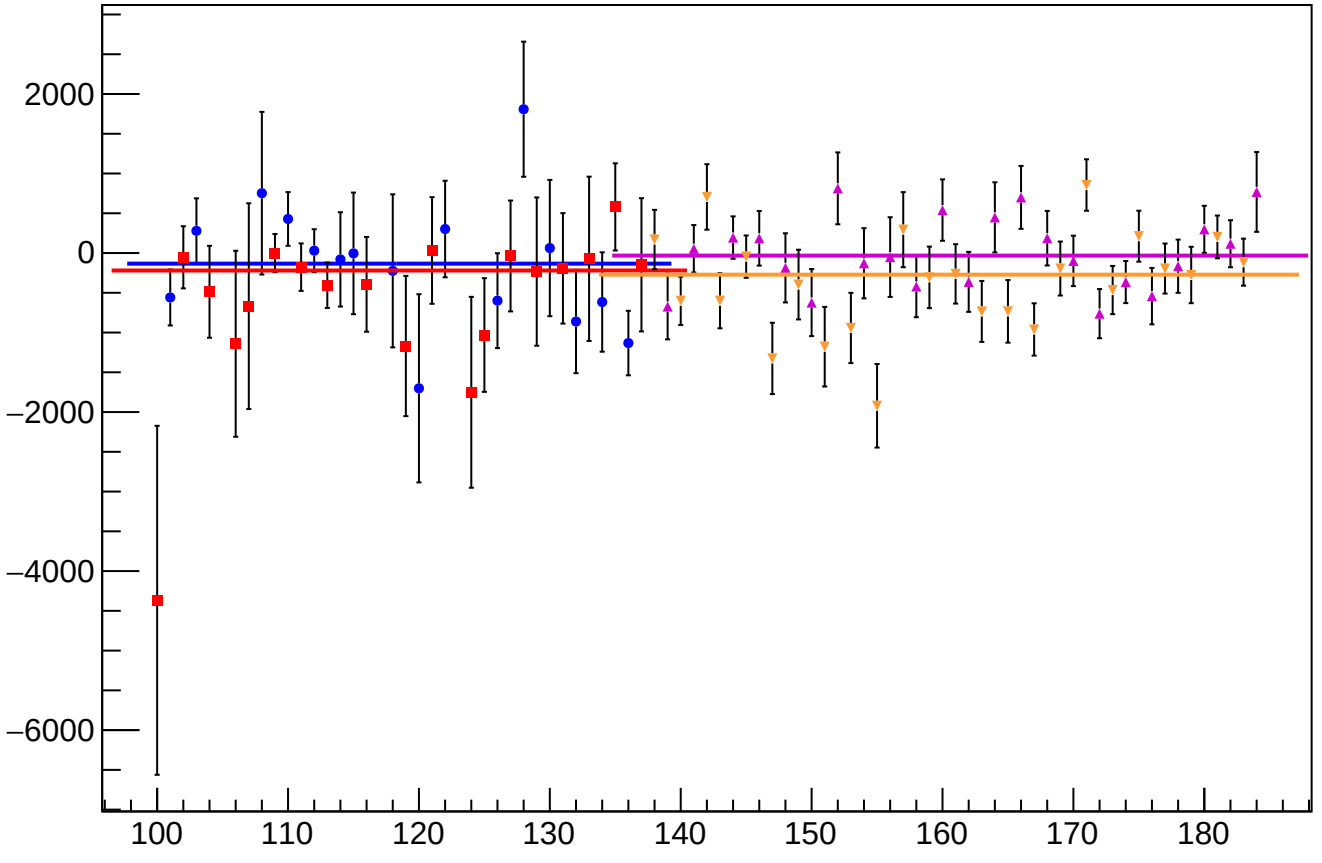
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.236+/-0.009 χ^2/NDF: 785499.0/39

All: 65.244+/-0.006 χ^2/NDF: 1430270.5/81

- sign 65.253+/-0.009 χ^2/NDF: 644769.9/41

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

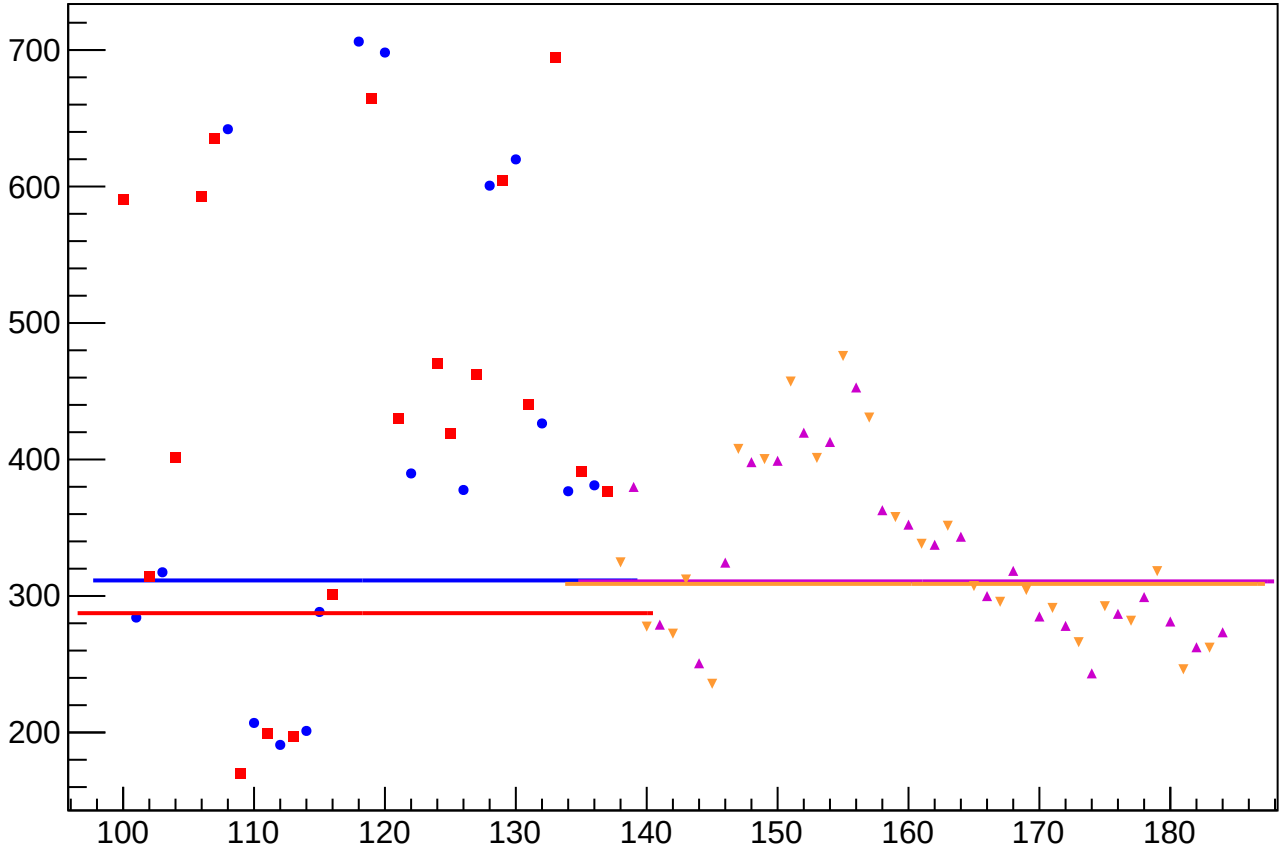
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -237.899+/-62.583 χ^2/NDF: 81.2/39

All: -161.509+/-44.256 χ^2/NDF: 130.2/81

- sign -85.099+/-62.591 χ^2/NDF: 46.0/41

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

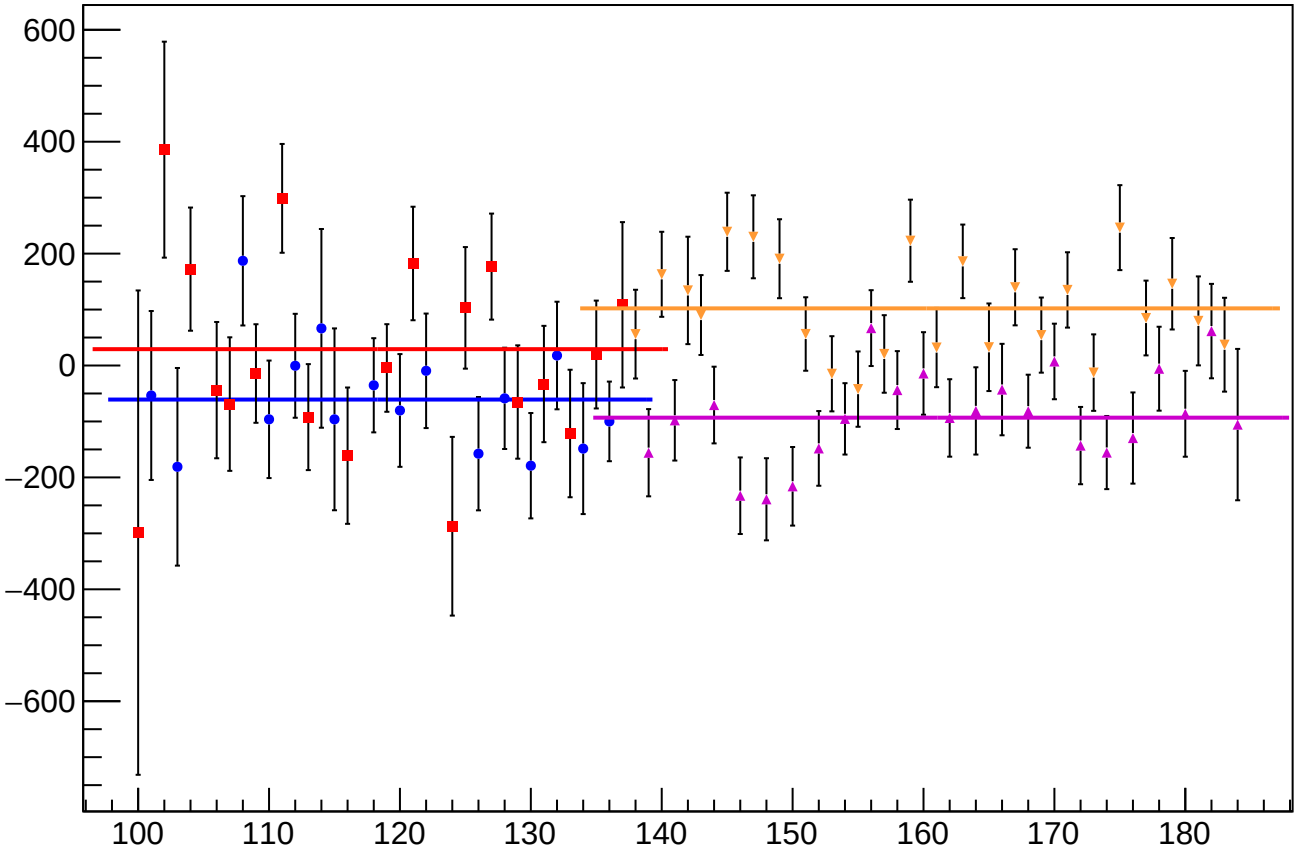
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 309.489+/-0.044 χ^2/NDF: 3396175.2/39

All: 306.818+/-0.031 χ^2/NDF: 7229174.5/81

- sign 304.145+/-0.044 χ^2/NDF: 3825708.1/41

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

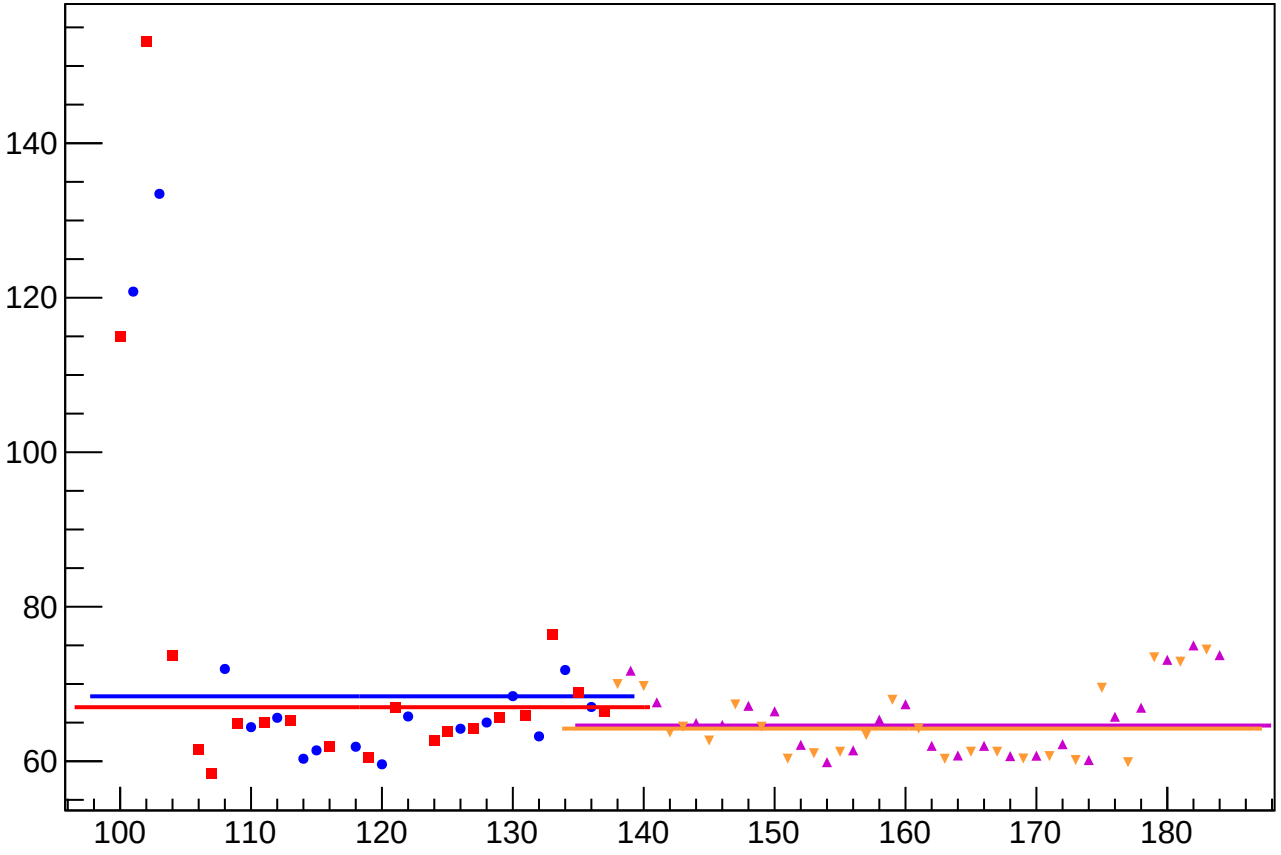
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 62.631+/-12.825 χ^2/NDF: 73.9/39

All: 1.669+/-9.119 χ^2/NDF: 197.1/81

- sign -60.660+/-12.968 χ^2/NDF: 77.5/41

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

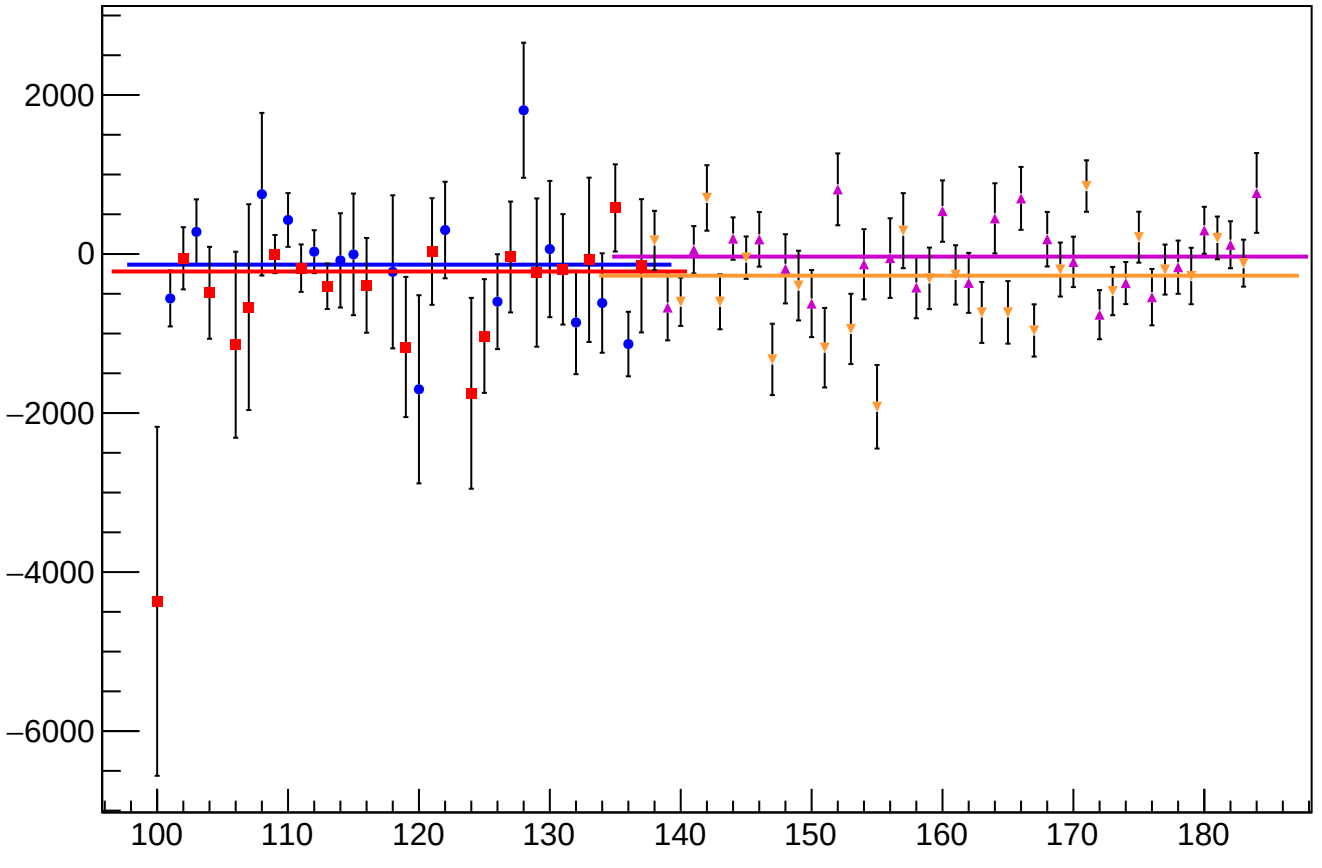
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.236+/-0.009 χ^2/NDF: 785499.0/39

All: 65.244+/-0.006 χ^2/NDF: 1430270.5/81

- sign 65.253+/-0.009 χ^2/NDF: 644769.9/41



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

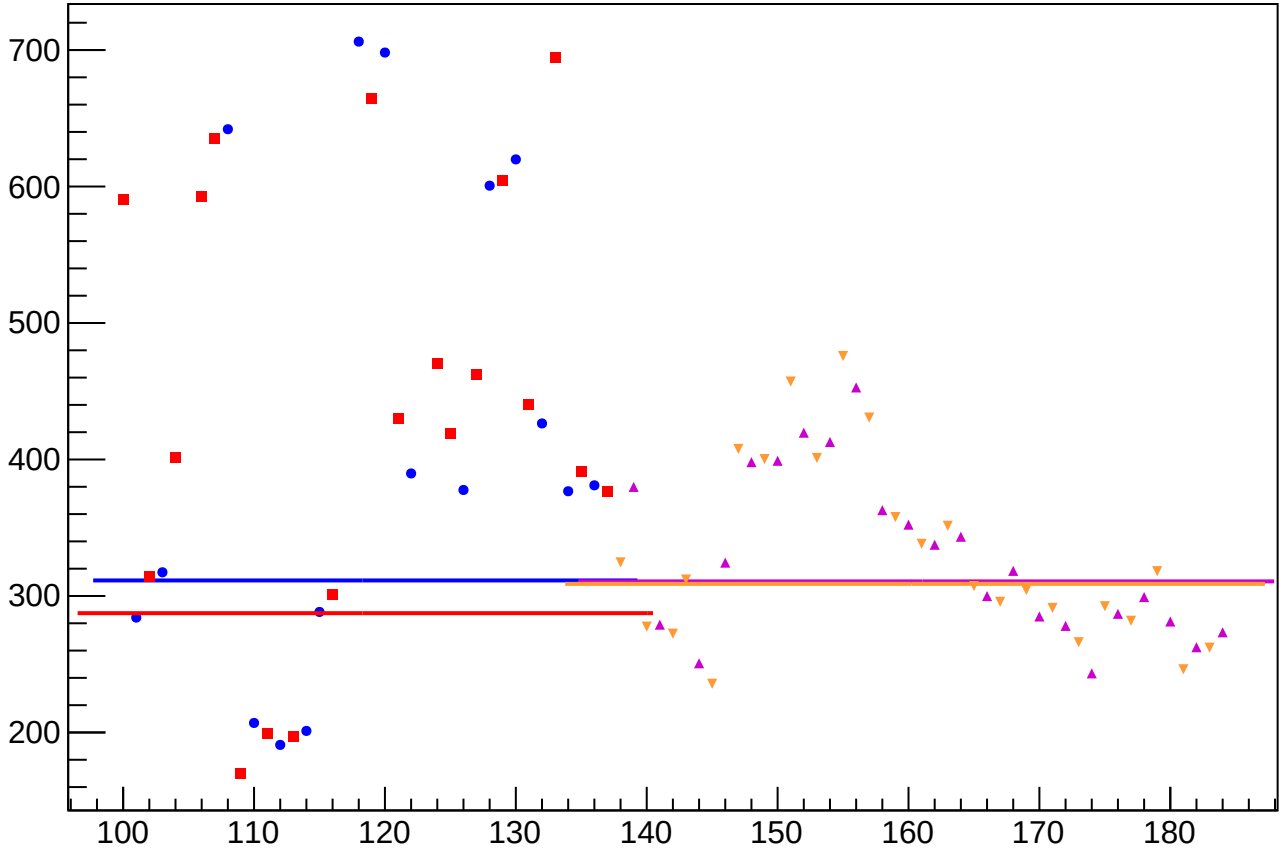
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

\+ sign -237.899+/-62.583 χ^2/NDF: 81.2/39

All: -161.509+/-44.256 χ^2/NDF: 130.2/81

\- sign -85.099+/-62.591 χ^2/NDF: 46.0/41

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

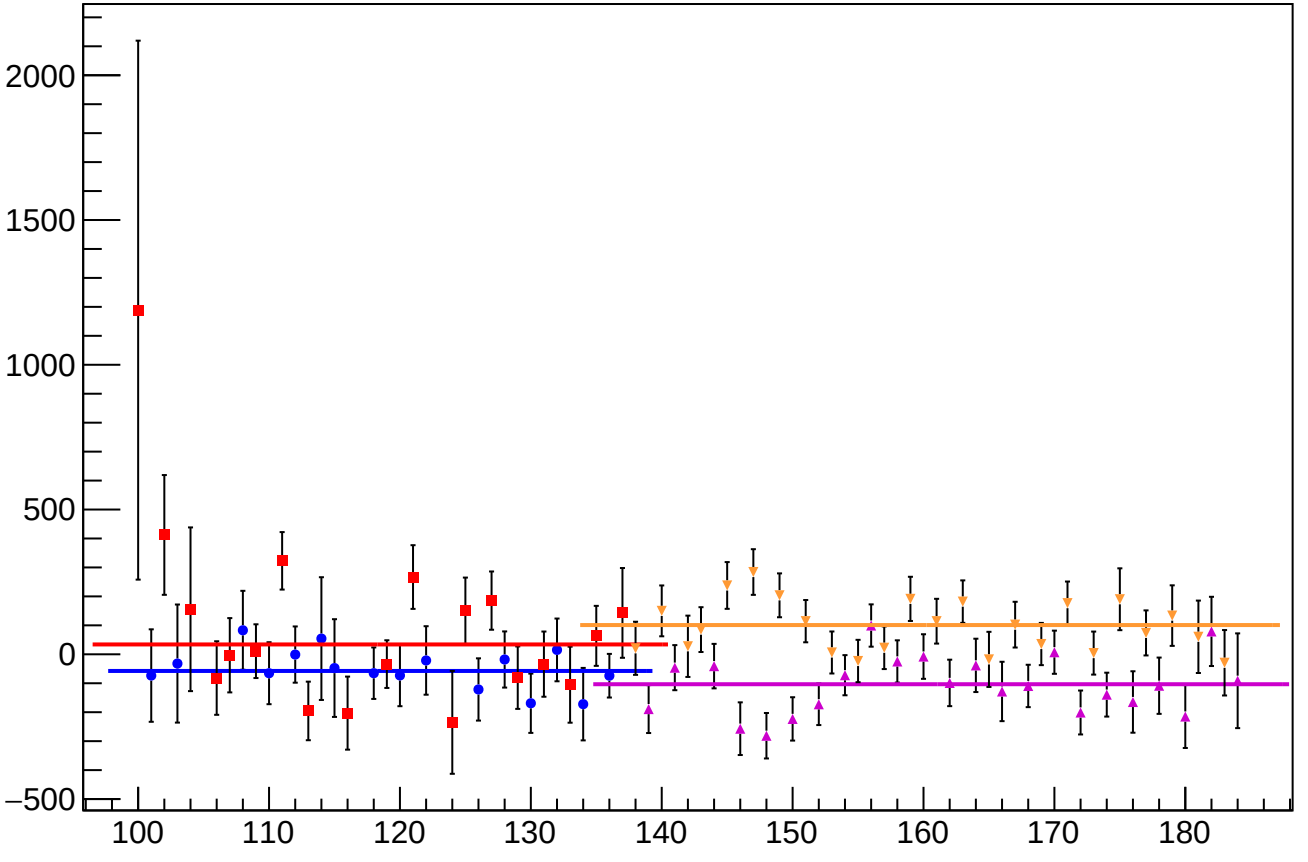
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 309.489+/-0.044 χ^2/NDF: 3396175.2/39

All: 306.818+/-0.031 χ^2/NDF: 7229174.5/81

- sign 304.145+/-0.044 χ^2/NDF: 3825708.1/41

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

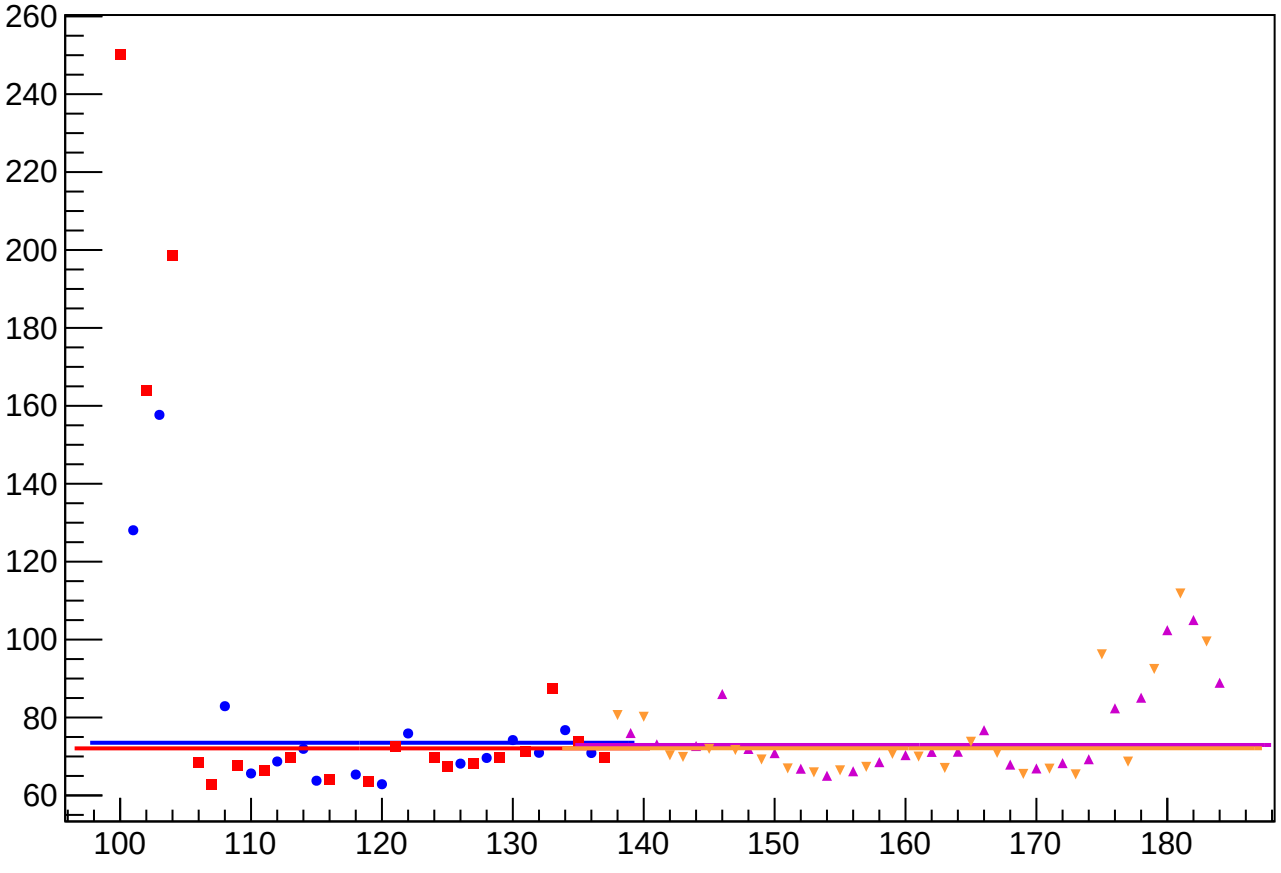
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.481+/-14.373 χ^2/NDF: 55.9/39

All: -1.436+/-10.244 χ^2/NDF: 180.3/81

- sign -64.326+/-14.604 χ^2/NDF: 87.9/41

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

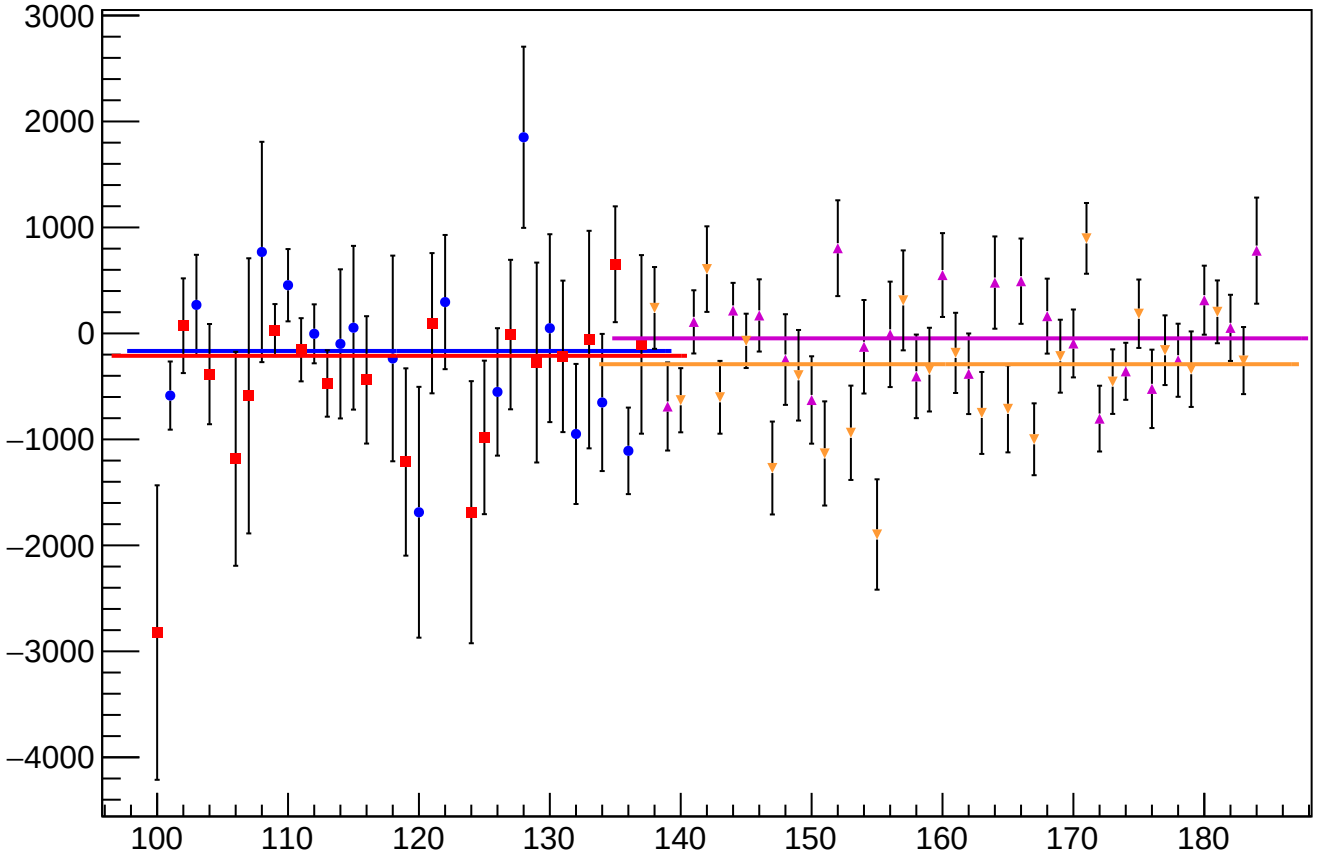
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 72.474+/-0.010 χ^2/NDF: 1301340.5/39

All: 72.585+/-0.007 χ^2/NDF: 2770563.9/81

- sign 72.700+/-0.010 χ^2/NDF: 1468980.7/41

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

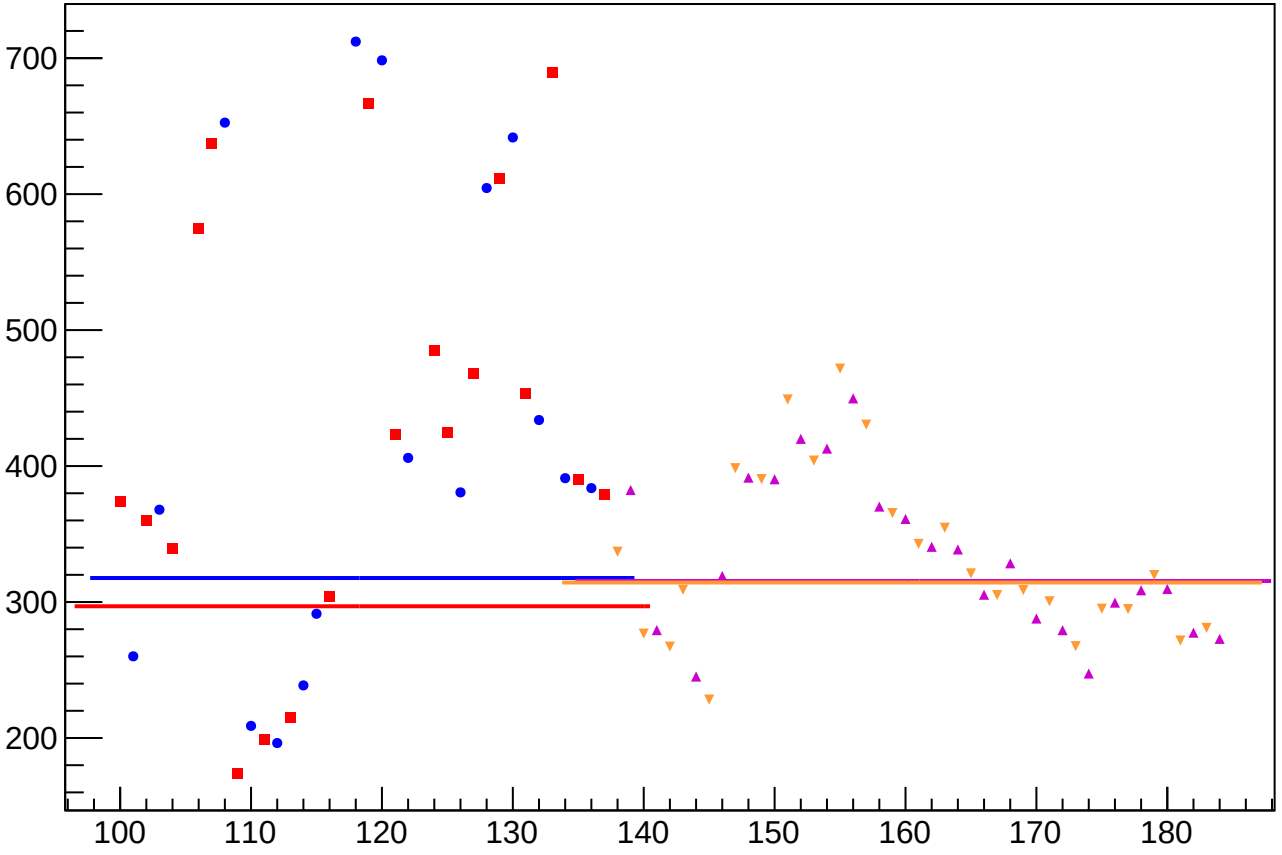
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -259.830+/-63.617 χ^2/NDF: 79.3/39

All: -176.182+/-44.962 χ^2/NDF: 128.5/81

- sign -92.696+/-63.555 χ^2/NDF: 45.7/41

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

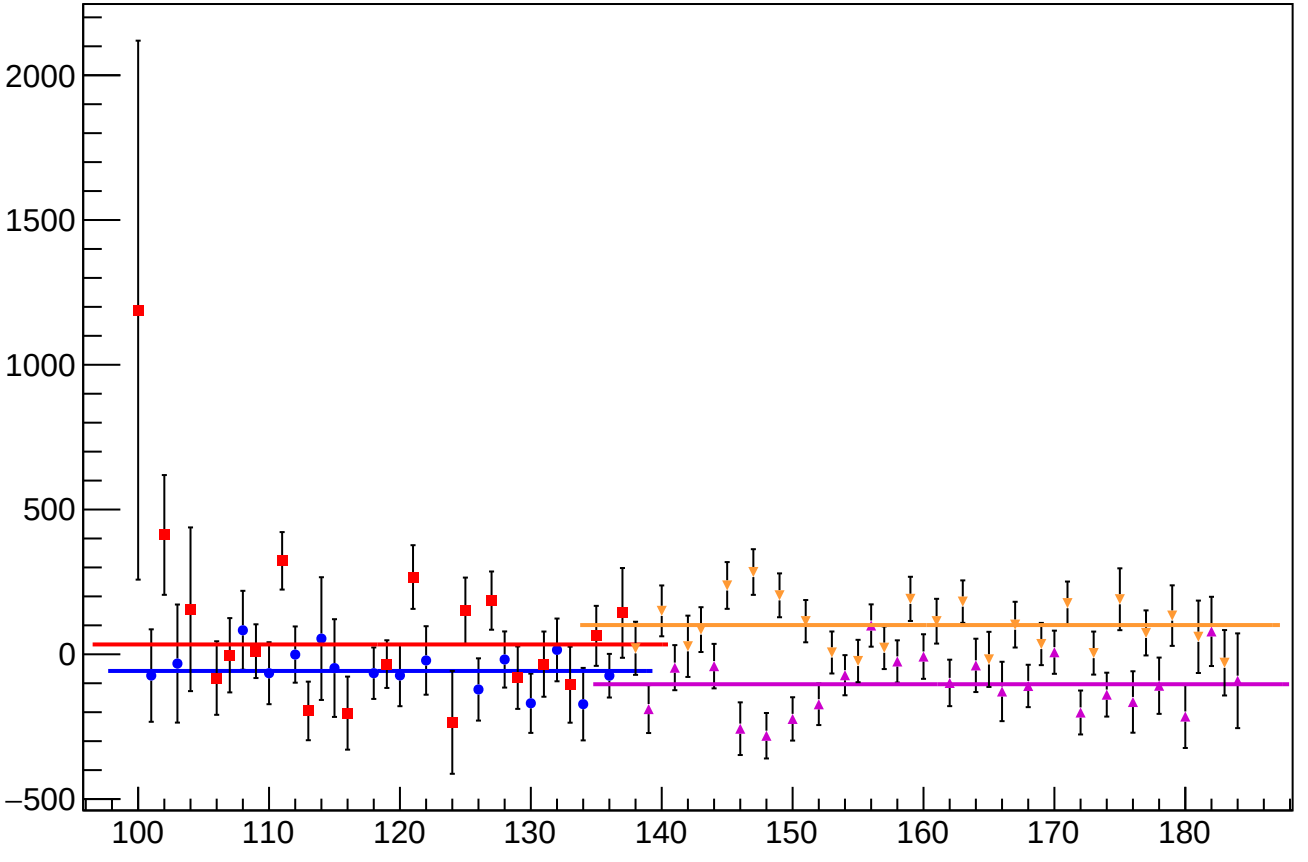
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 315.172+/-0.045 χ^2/NDF: 3298037.4/39

All: 312.712+/-0.032 χ^2/NDF: 6887981.1/81

- sign 310.258+/-0.045 χ^2/NDF: 3583970.9/41

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

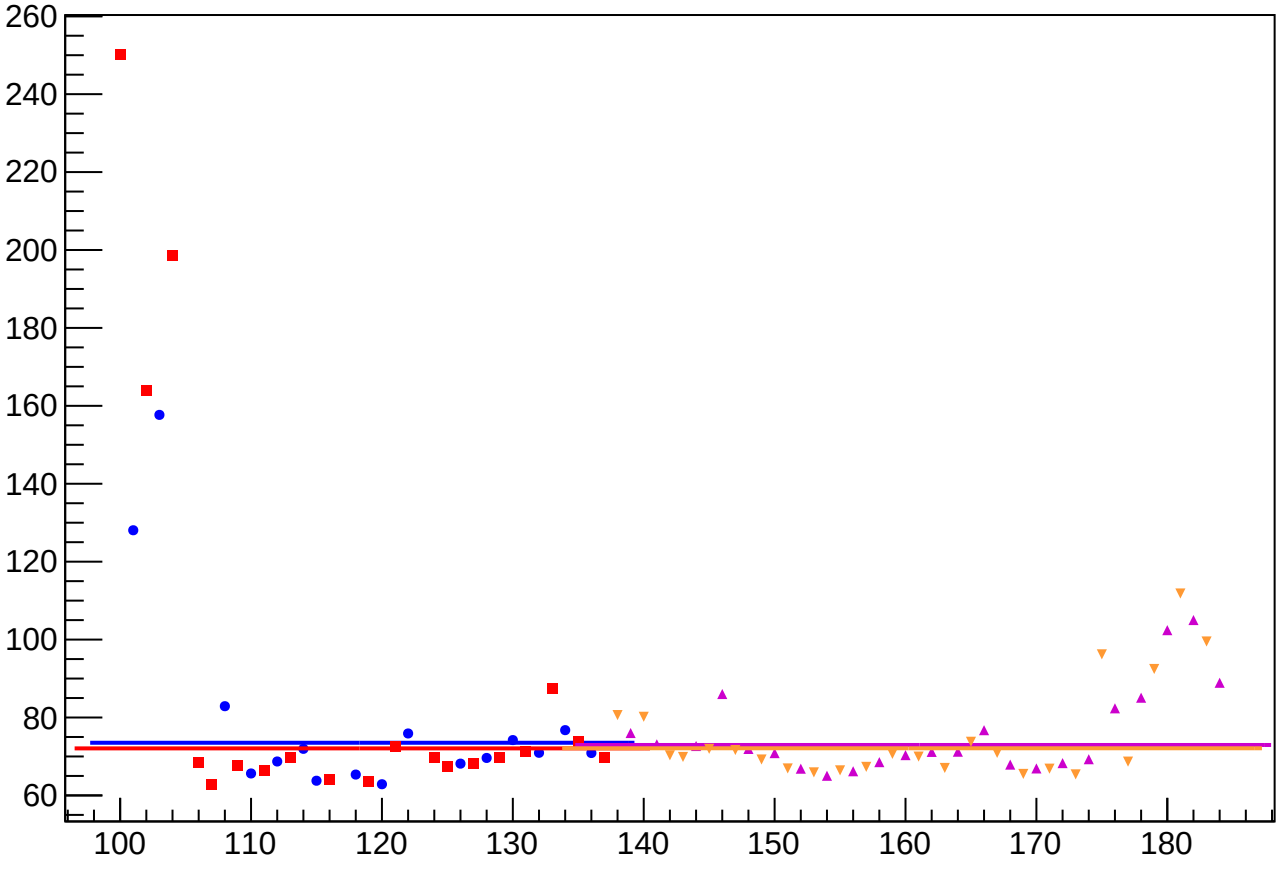
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.481+/-14.373 χ^2/NDF: 55.9/39

All: -1.436+/-10.244 χ^2/NDF: 180.3/81

- sign -64.325+/-14.604 χ^2/NDF: 87.9/41

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

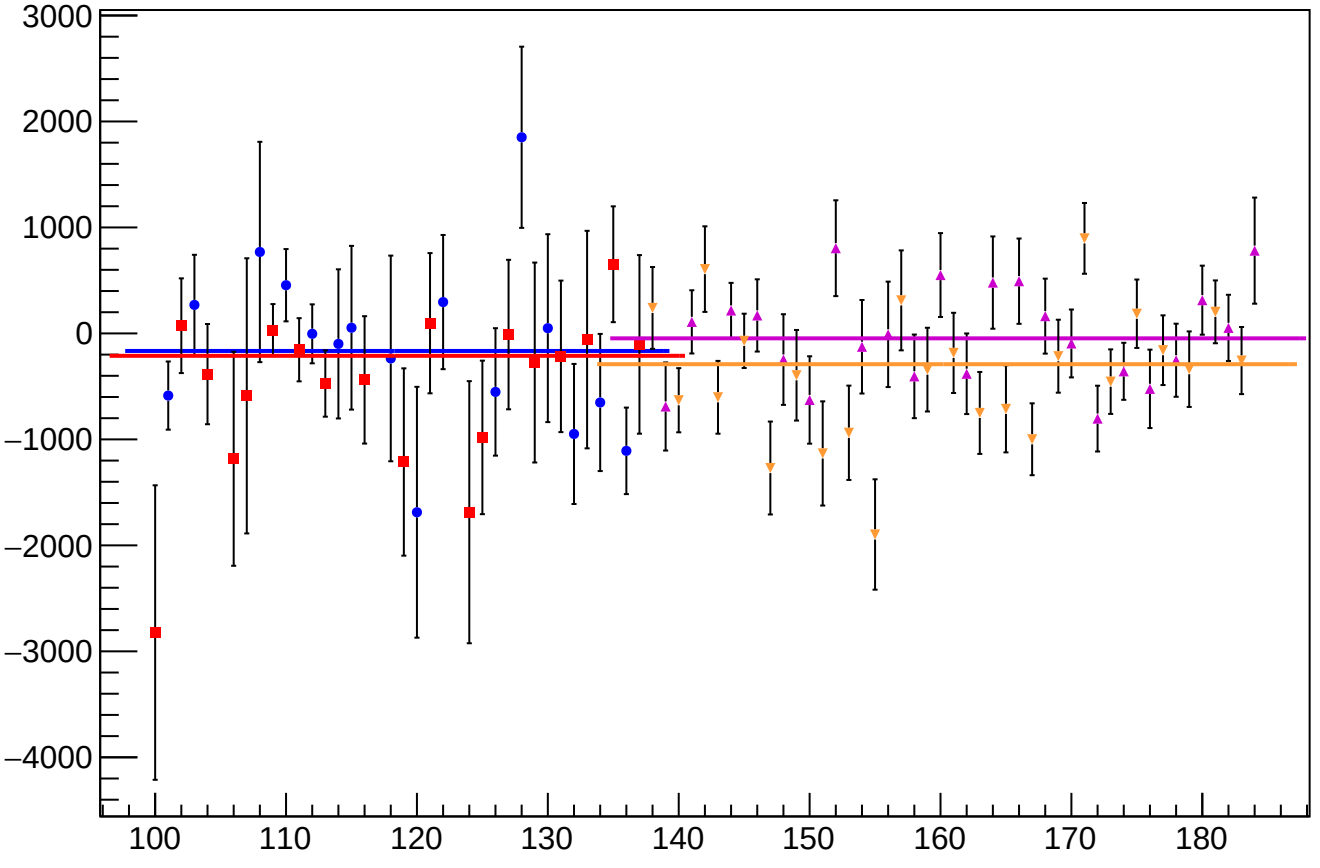
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 72.474+/-0.010 χ^2/NDF: 1301338.7/39

All: 72.585+/-0.007 χ^2/NDF: 2770564.5/81

- sign 72.700+/-0.010 χ^2/NDF: 1468983.1/41

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

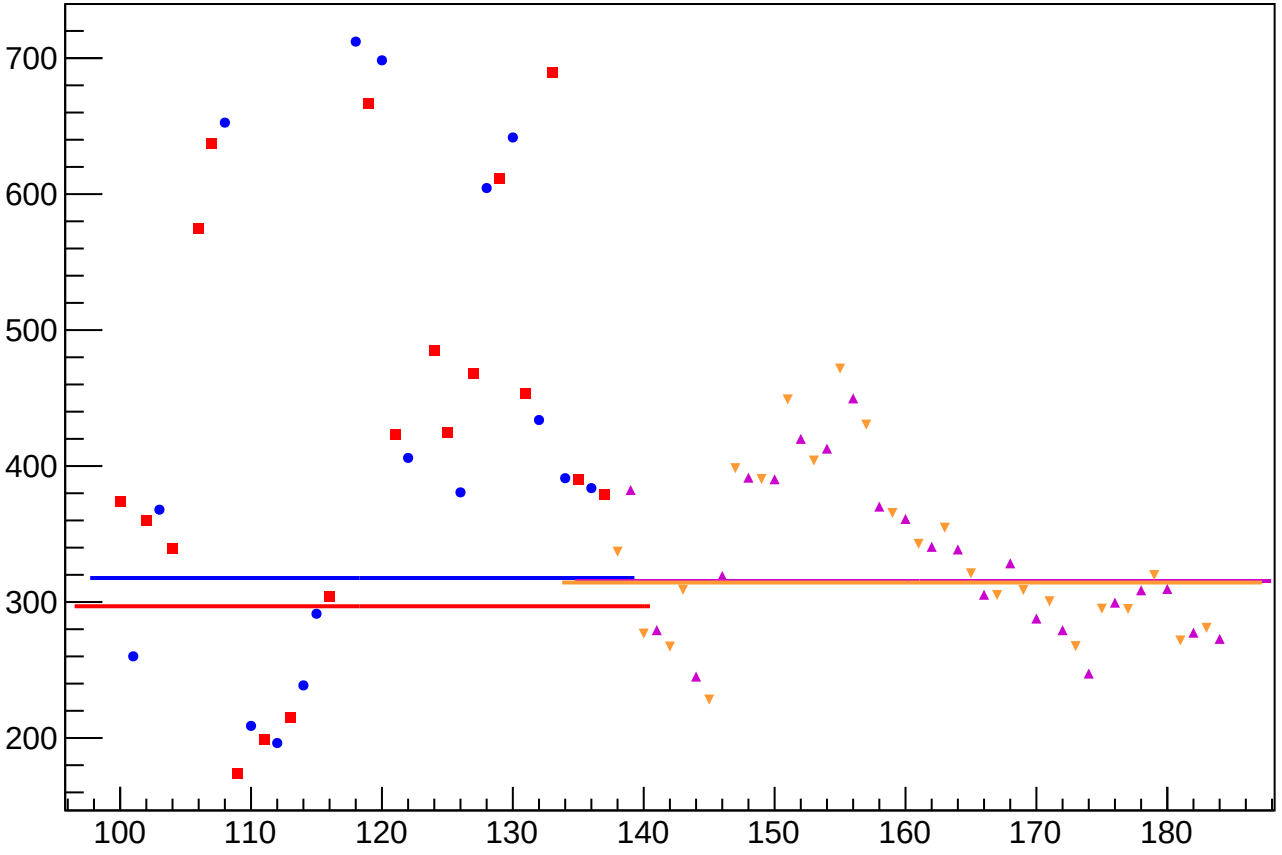
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -259.830+/-63.617 χ^2/NDF: 79.3/39

All: -176.182+/-44.962 χ^2/NDF: 128.5/81

- sign -92.696+/-63.555 χ^2/NDF: 45.7/41

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

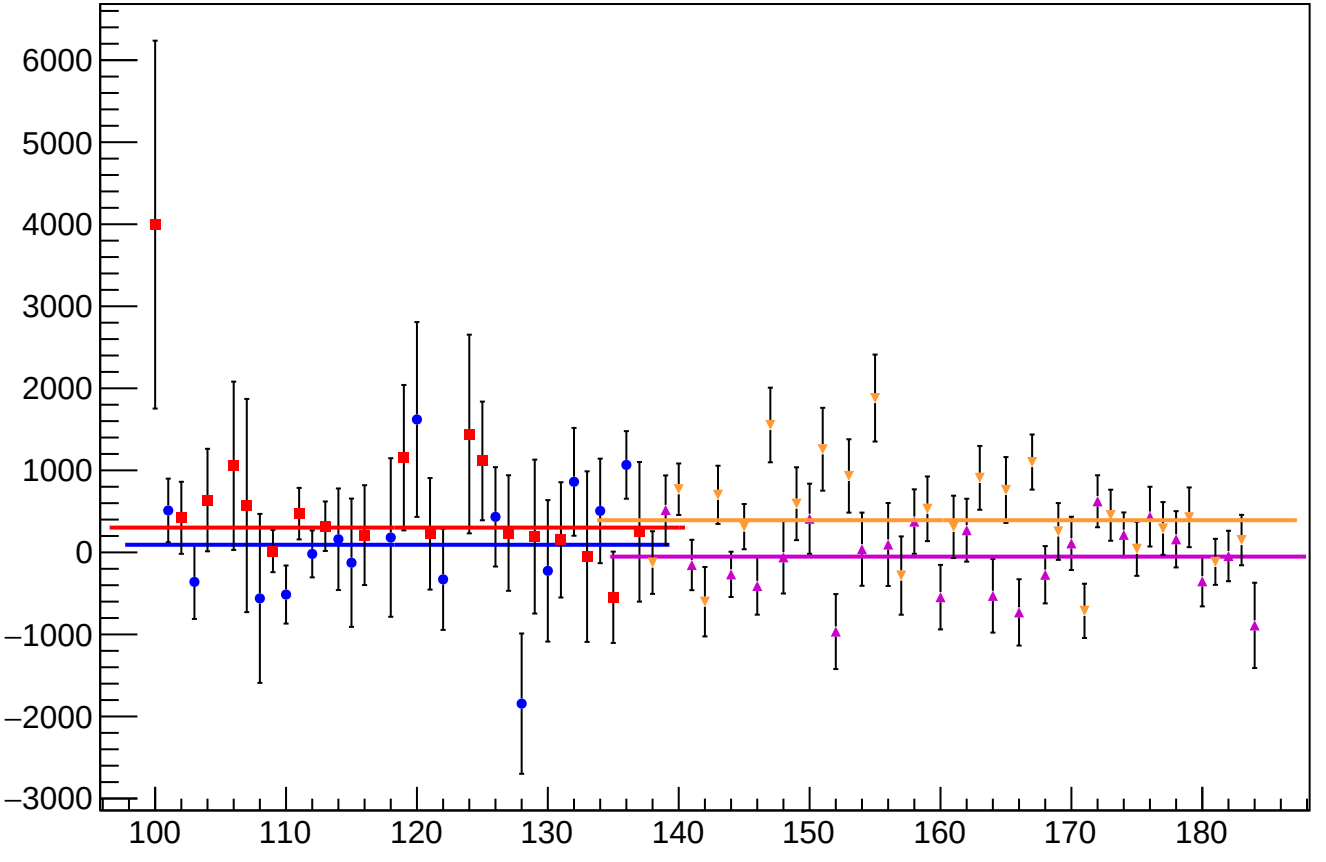
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 315.171+/-0.045 χ^2/NDF: 3298073.1/39

All: 312.712+/-0.032 χ^2/NDF: 6888032.5/81

- sign 310.257+/-0.045 χ^2/NDF: 3583987.2/41

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

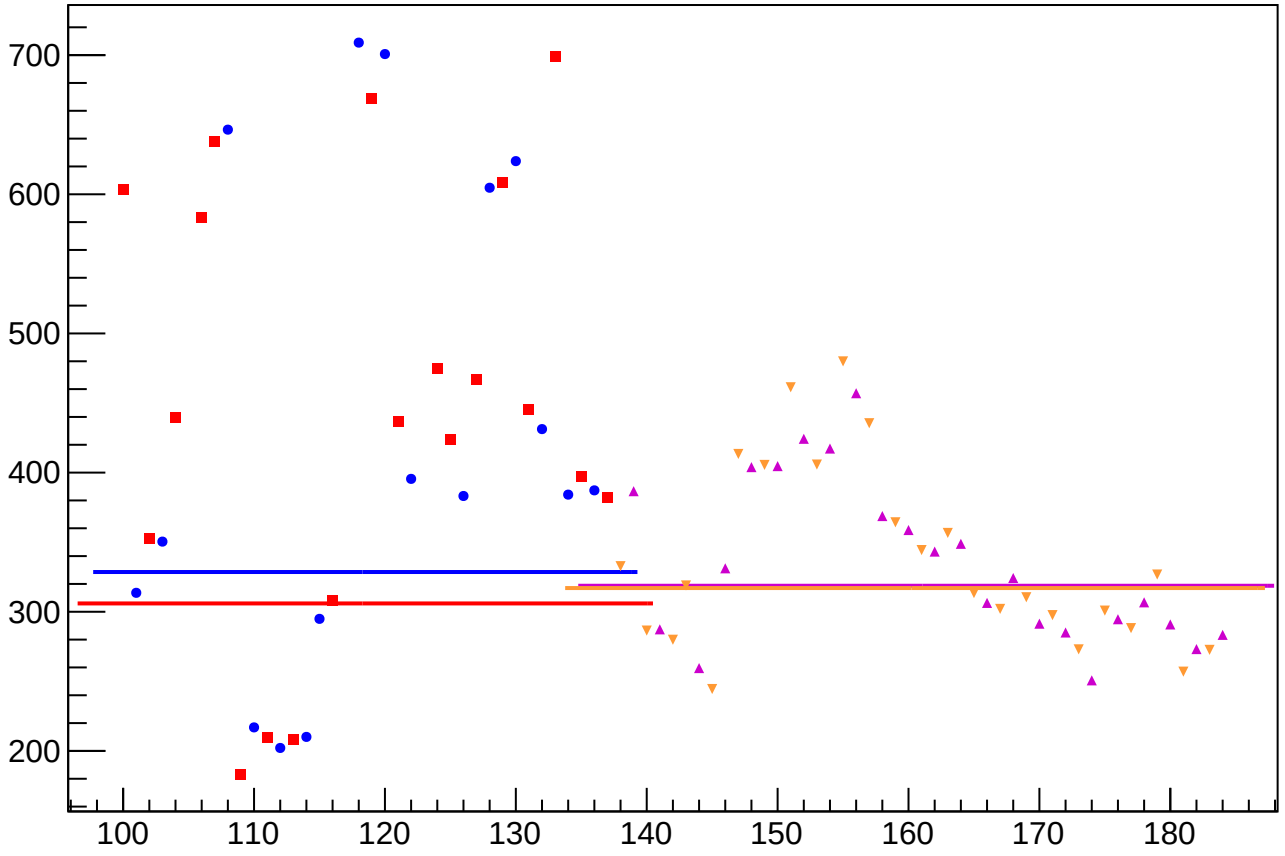
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 320.781+/-64.479 χ^2/NDF: 79.1/39

All: 182.820+/-45.621 χ^2/NDF: 133.2/81

- sign 44.533+/-64.556 χ^2/NDF: 44.9/41

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

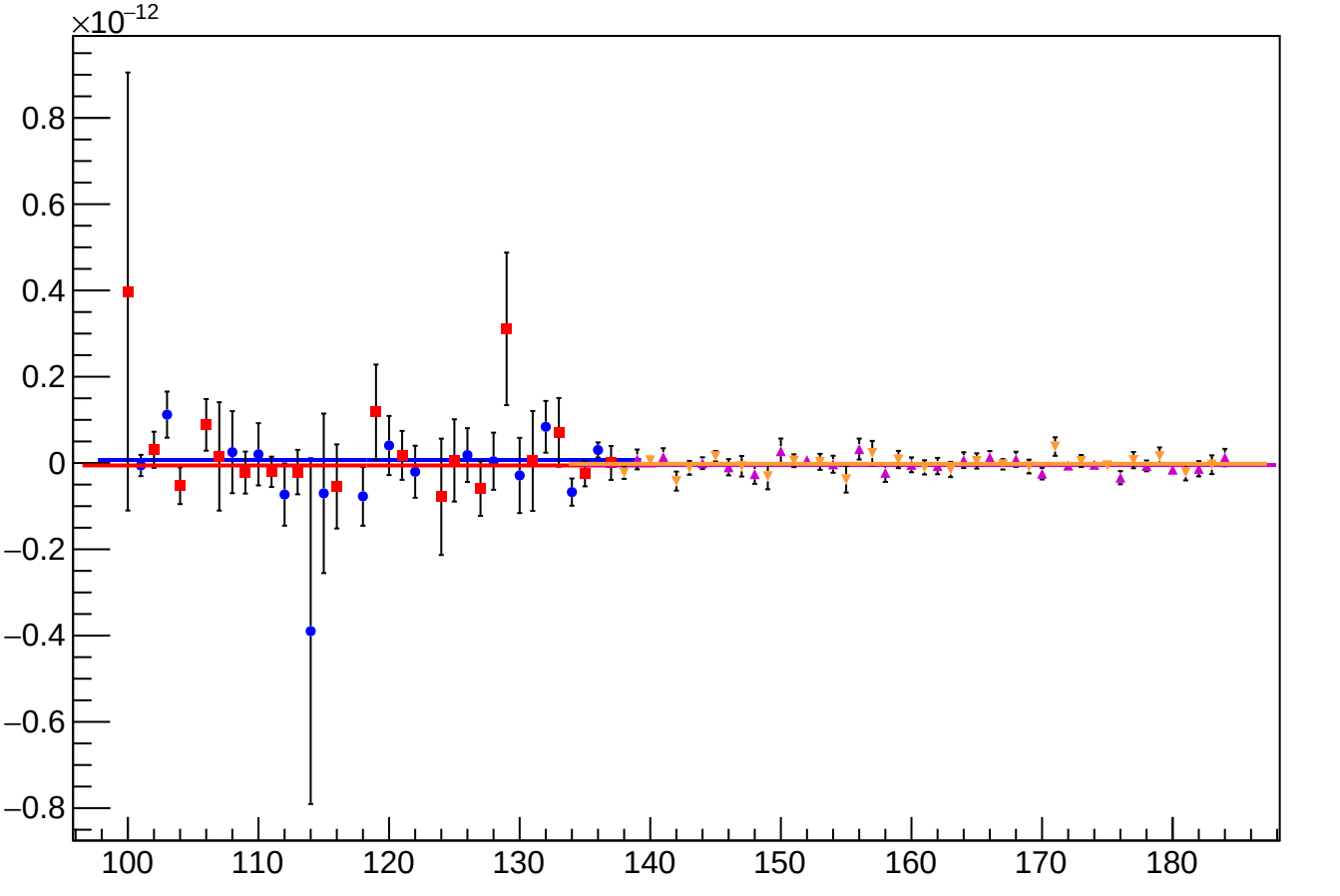
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 319.791+/-0.046 χ^2/NDF: 3137564.2/39

All: 317.519+/-0.032 χ^2/NDF: 6676911.3/81

- sign 315.242+/-0.046 χ^2/NDF: 3534374.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/23

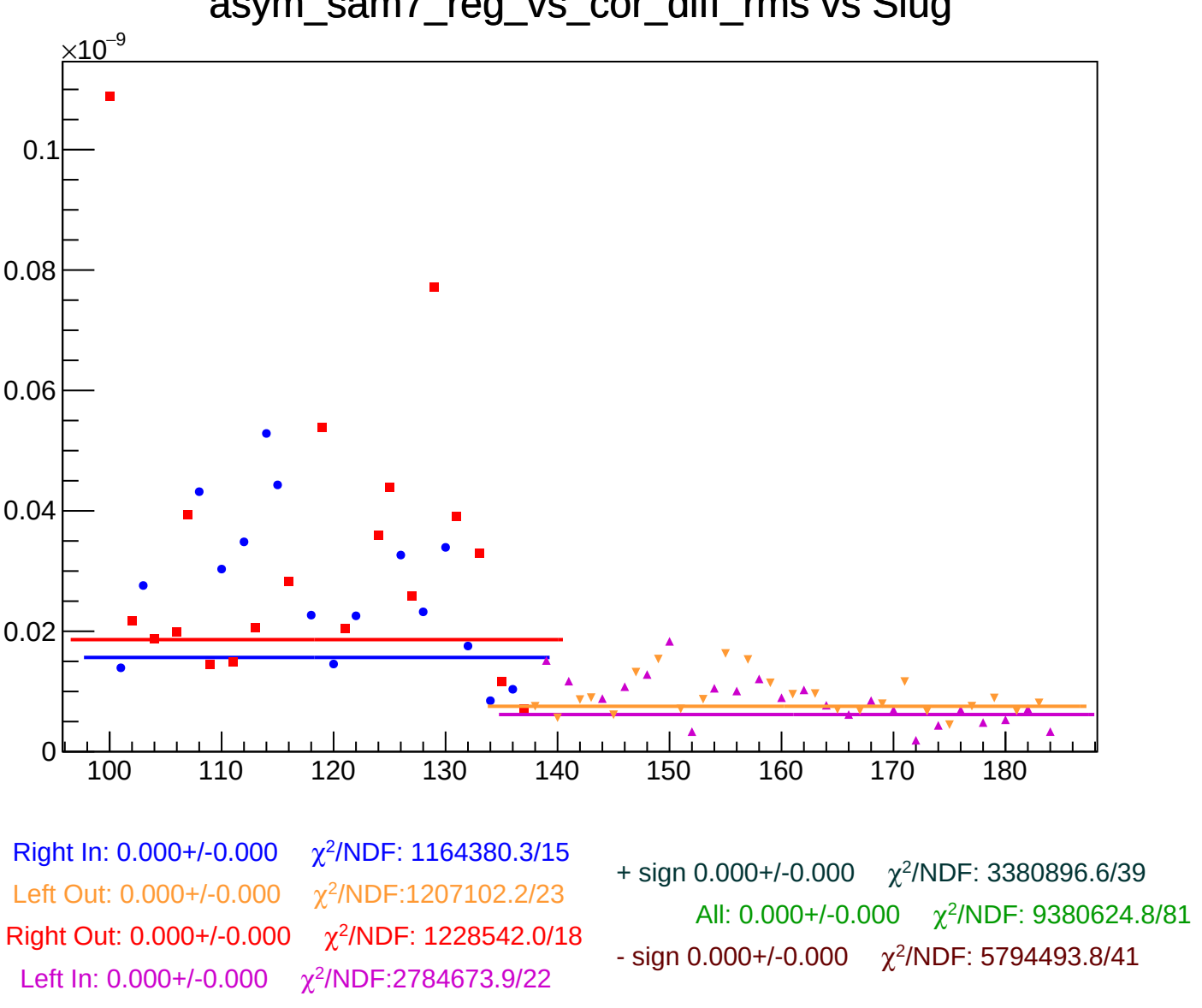
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

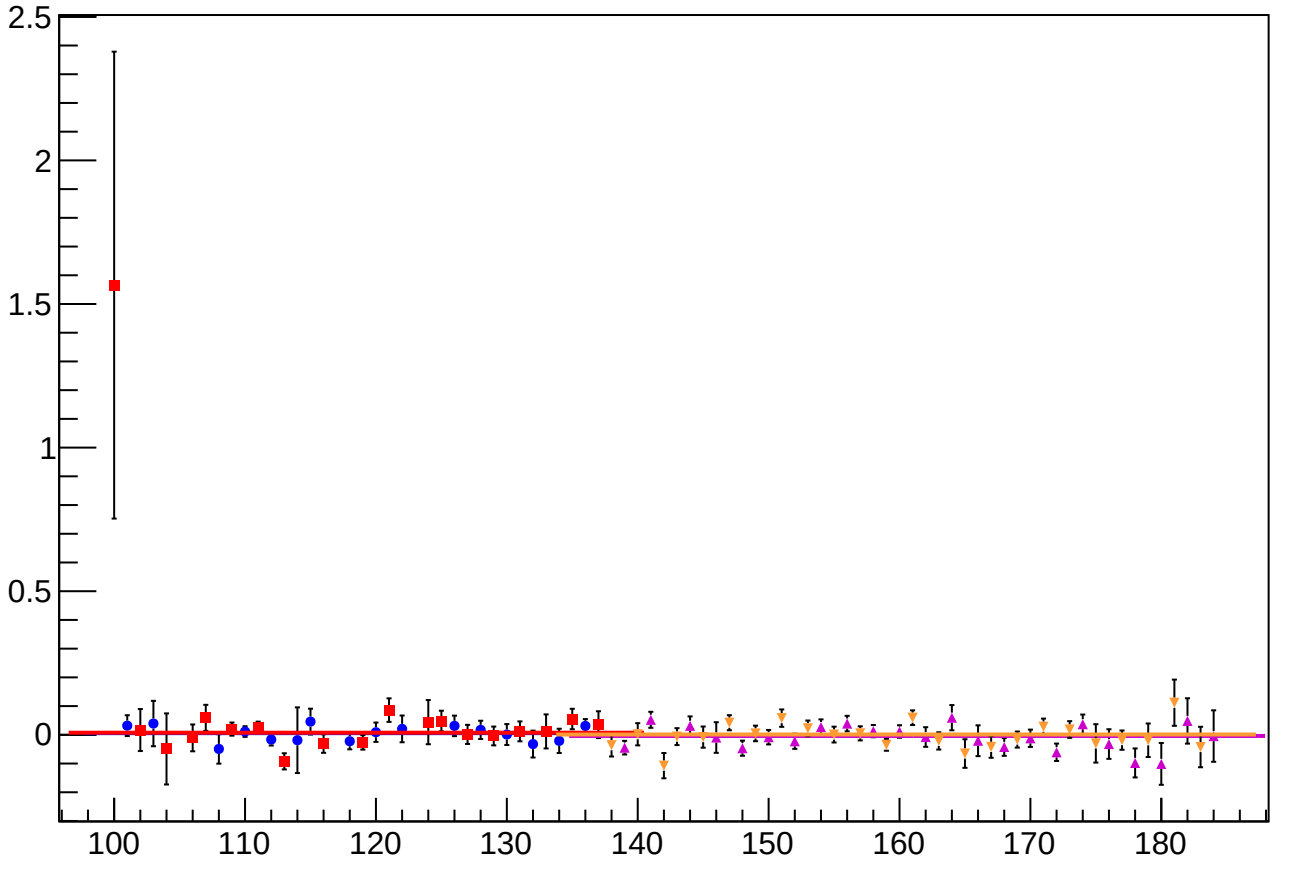
+ sign -0.000+/-0.000 χ^2/NDF: 37.3/39

All: -0.000+/-0.000 χ^2/NDF: 68.4/81

- sign -0.000+/-0.000 χ^2/NDF: 30.5/41


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:2784673.9/22
+ sign 0.000+/-0.000 χ²/NDF: 3380896.6/39
All: 0.000+/-0.000 χ²/NDF: 9380624.8/81
- sign 0.000+/-0.000 χ²/NDF: 5794493.8/41

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

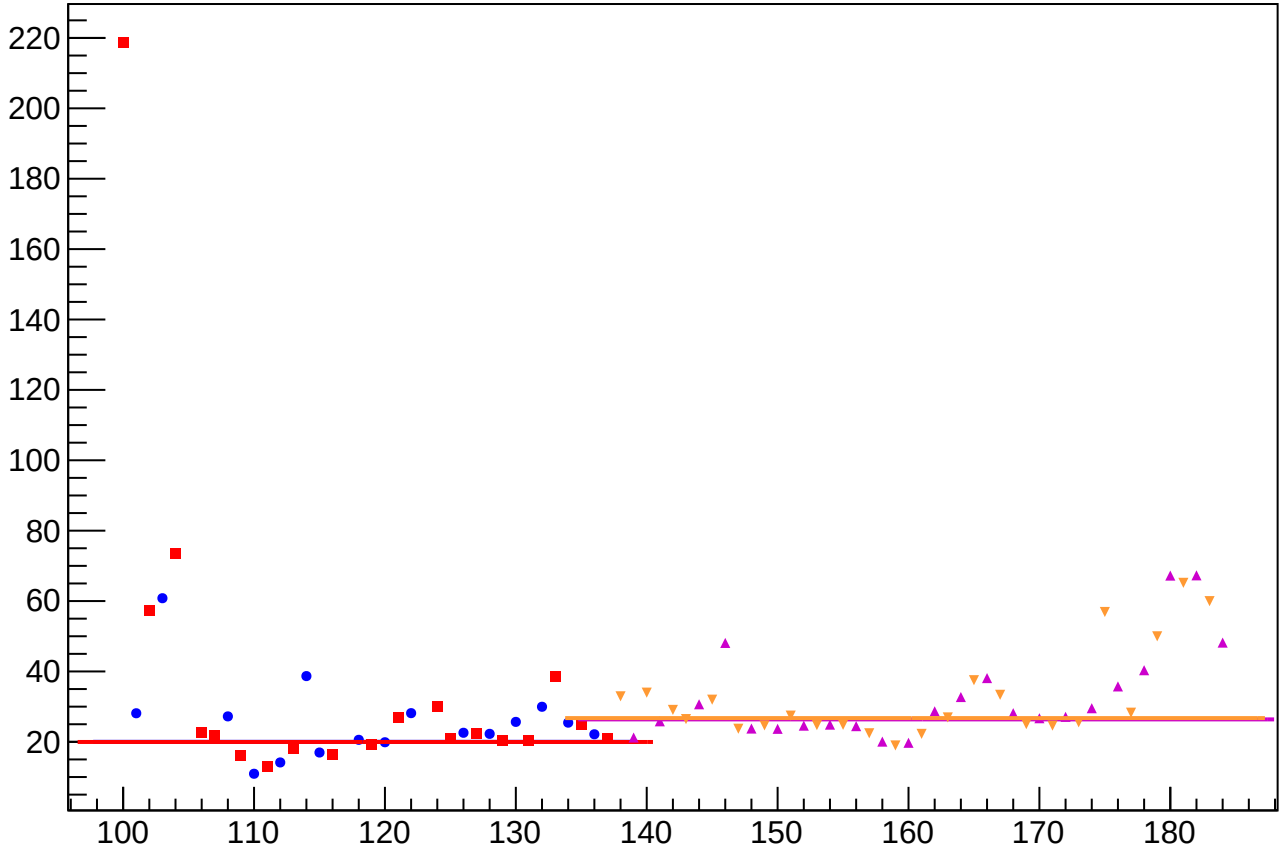
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/39

All: 0.002+/-0.004 χ^2/NDF: 100.6/81

- sign 0.001+/-0.005 χ^2/NDF: 62.1/41

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

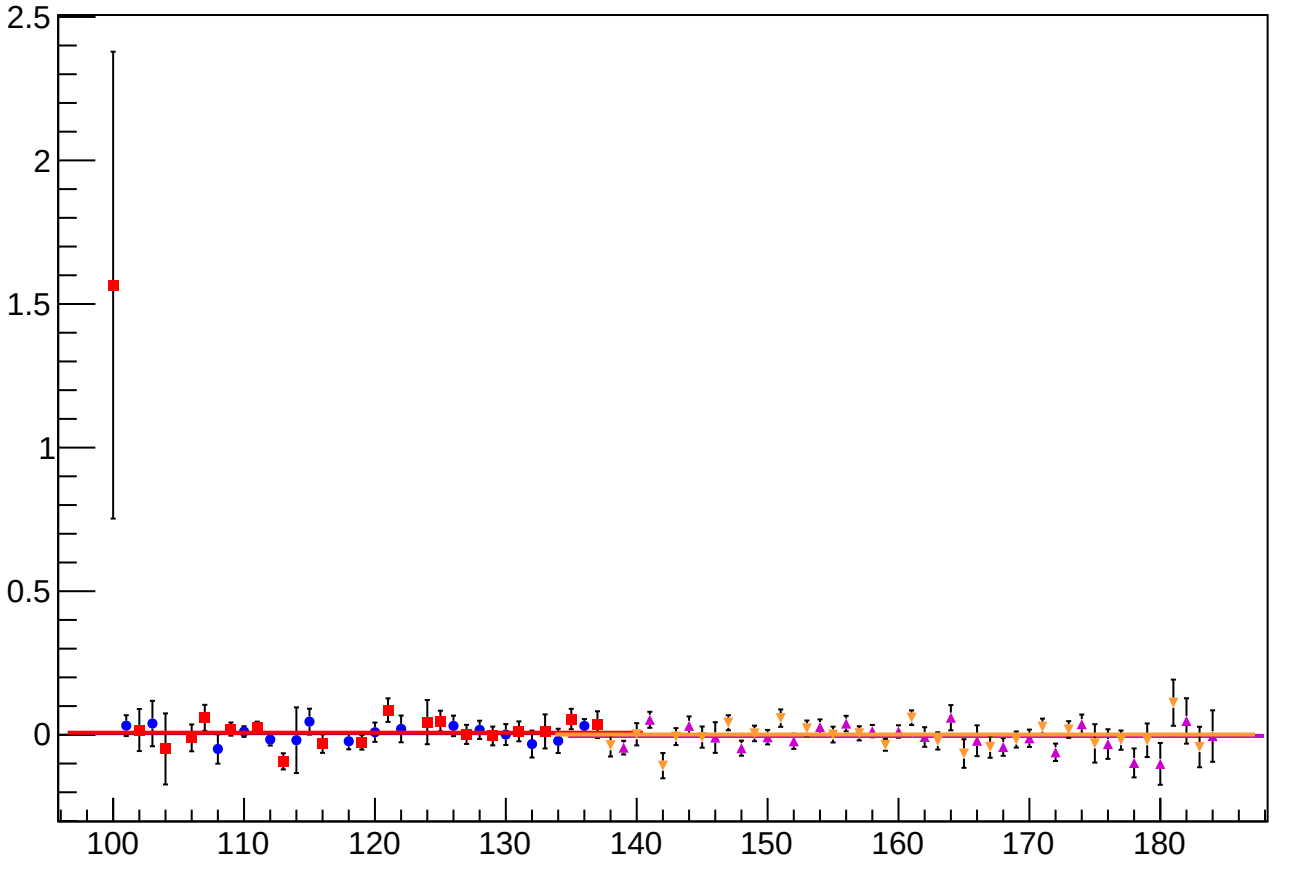
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.119+/-0.004 χ^2/NDF: 4913235.9/39

All: 23.967+/-0.003 χ^2/NDF: 9953946.4/81

- sign 23.814+/-0.004 χ^2/NDF: 5037146.7/41

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

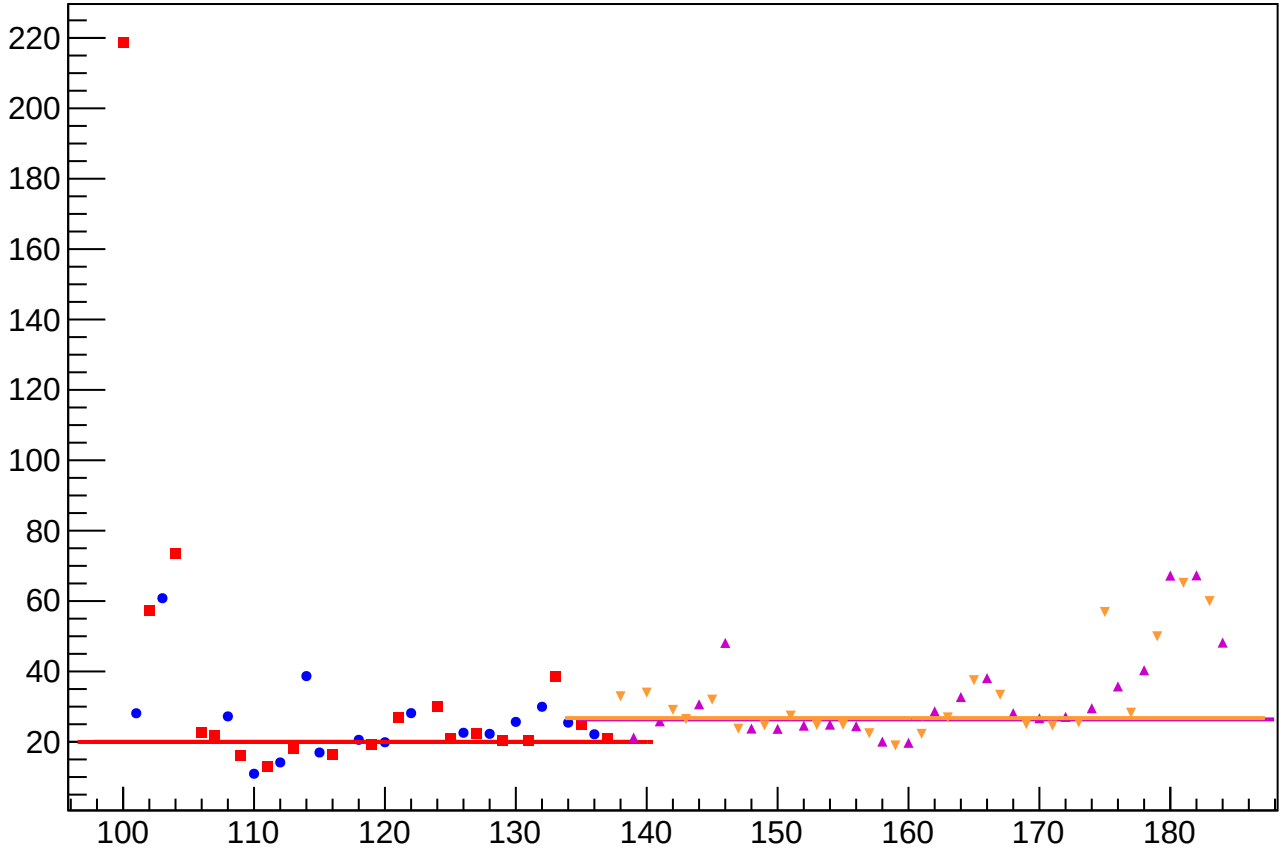
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/39

All: 0.002+/-0.004 χ^2/NDF: 100.6/81

- sign 0.001+/-0.005 χ^2/NDF: 62.1/41

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

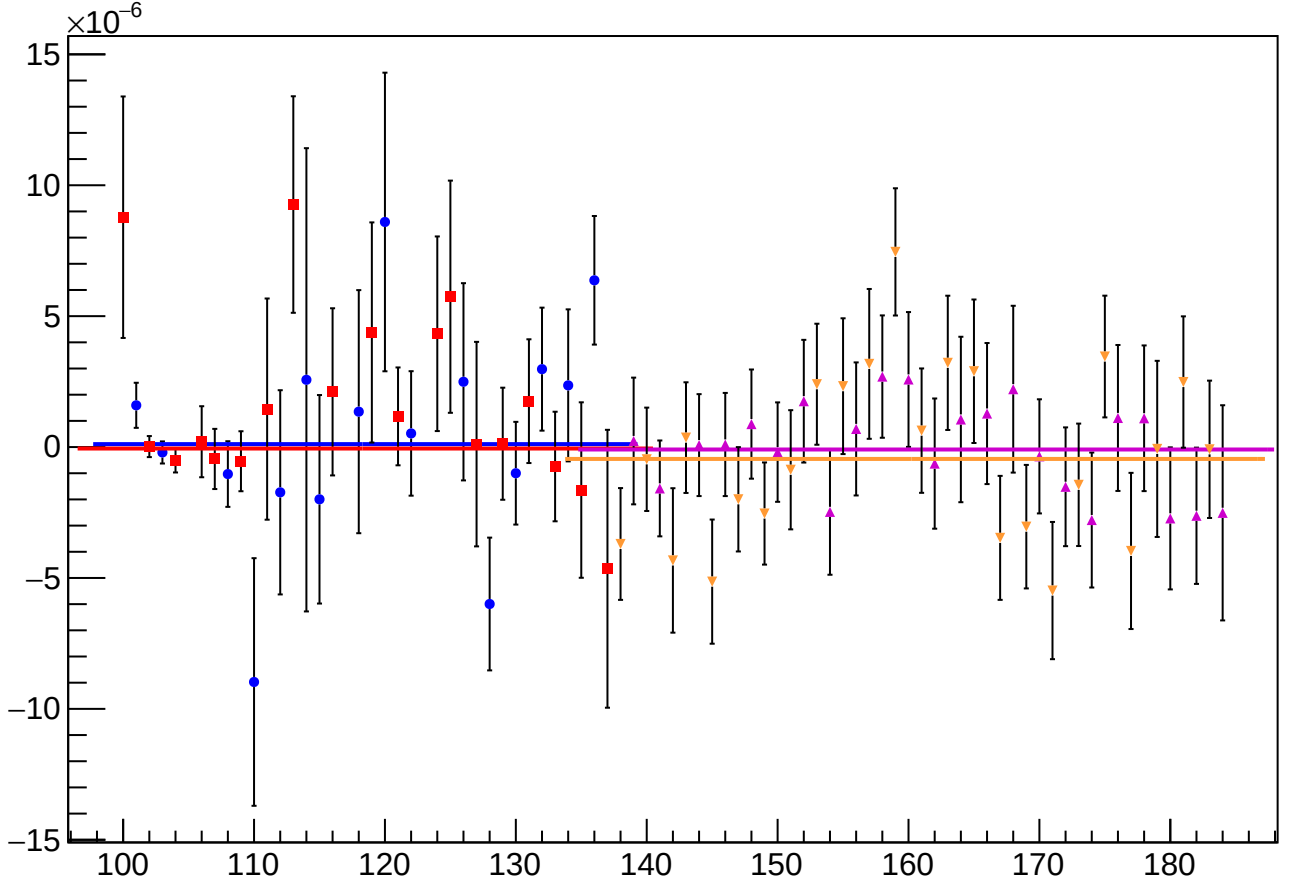
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.119+/-0.004 χ^2/NDF: 4913235.9/39

All: 23.967+/-0.003 χ^2/NDF: 9953946.4/81

- sign 23.814+/-0.004 χ^2/NDF: 5037146.7/41



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

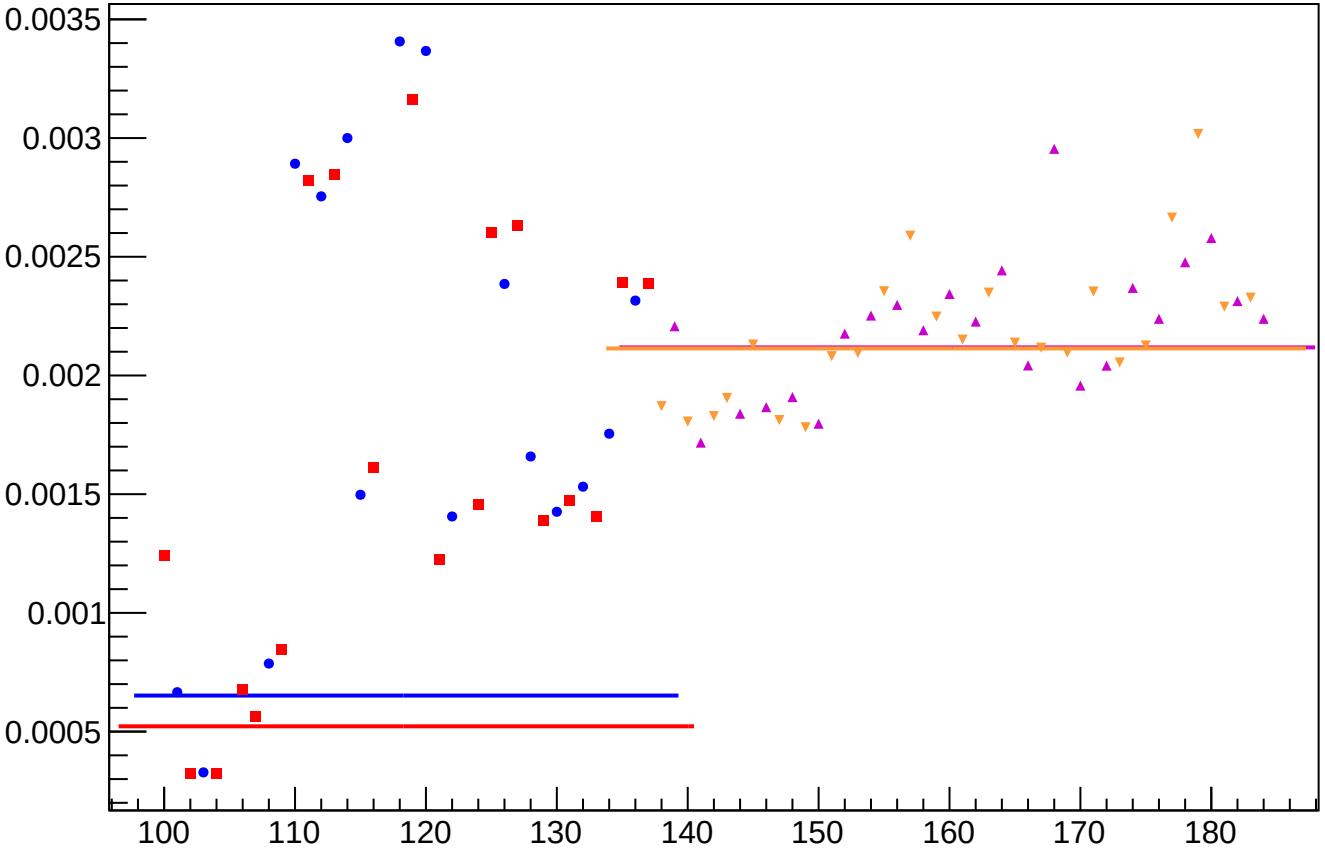
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.0/39

All: -0.000+/-0.000 χ^2/NDF: 95.3/81

- sign -0.000+/-0.000 χ^2/NDF: 27.3/41

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

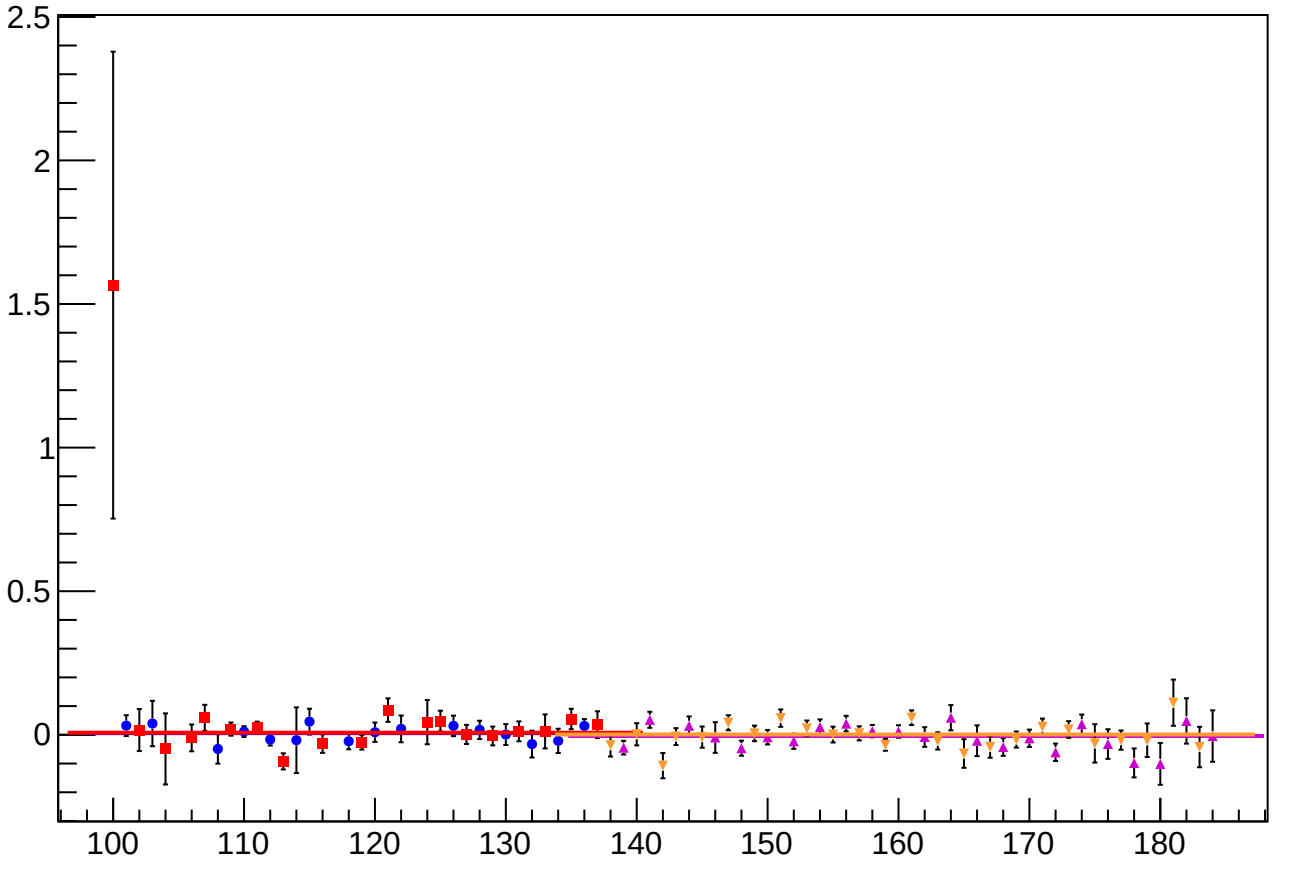
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 19134376.2/39

All: 0.001+/-0.000 χ^2/NDF: 43416874.8/81

\- sign 0.001+/-0.000 χ^2/NDF: 23287003.6/41

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

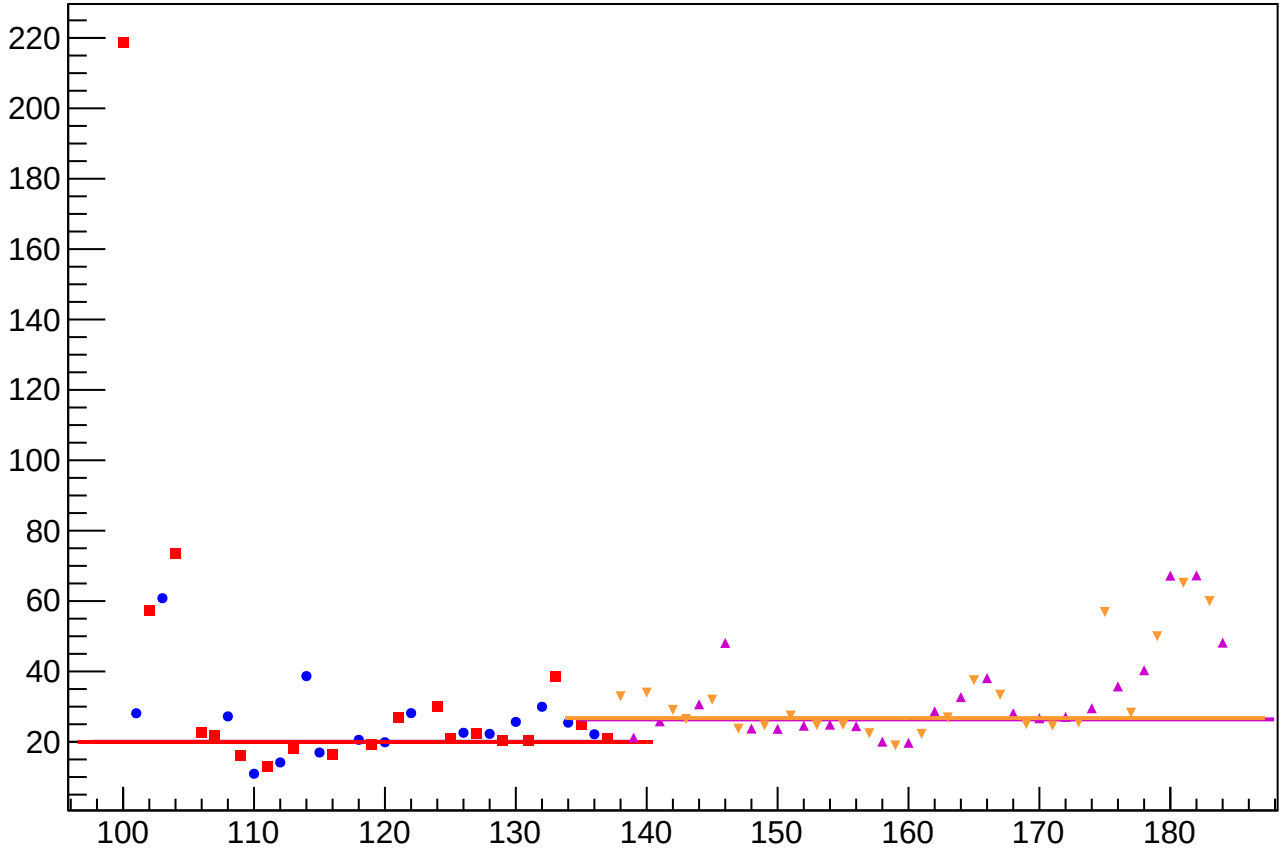
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/39

All: 0.002+/-0.004 χ^2/NDF: 100.6/81

- sign 0.001+/-0.005 χ^2/NDF: 62.1/41

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

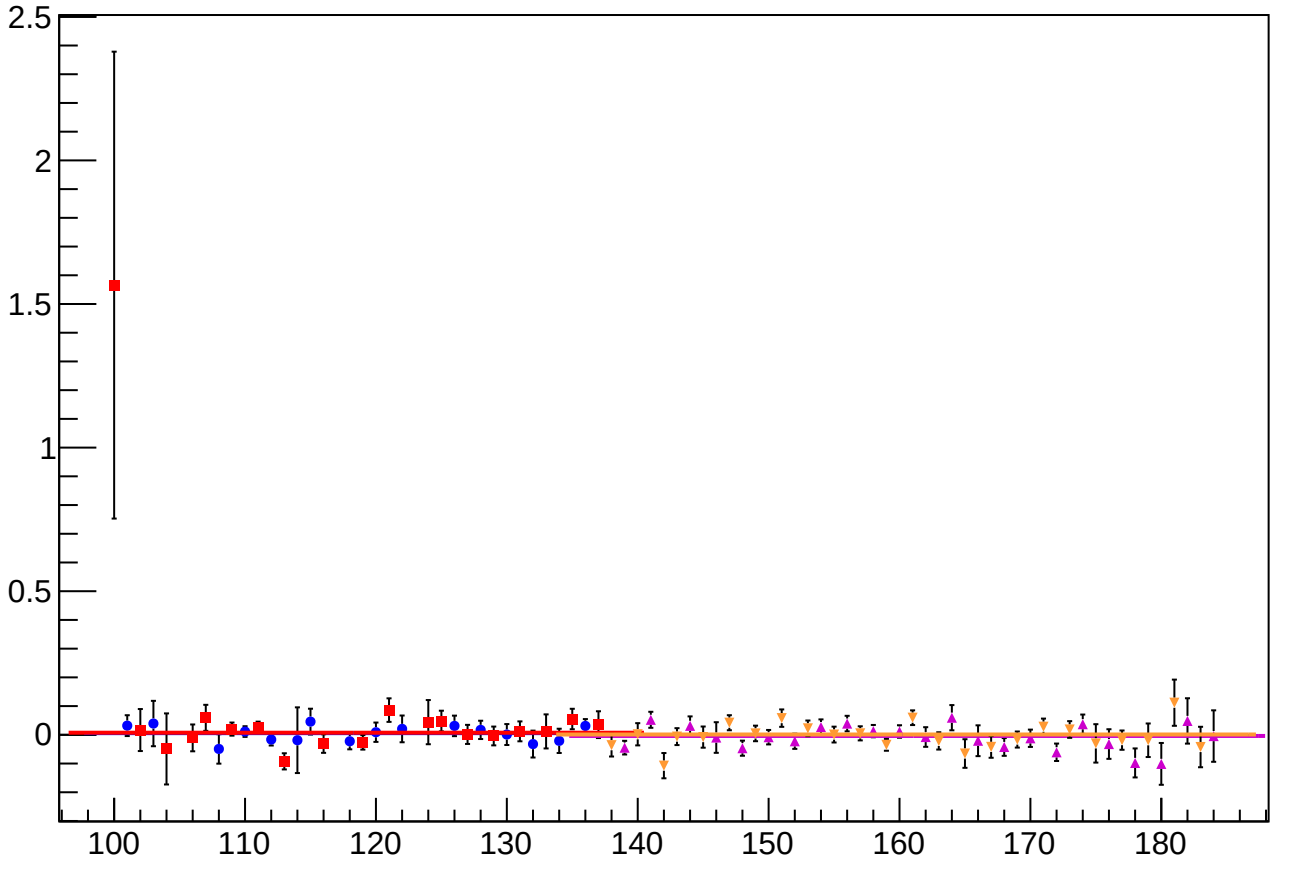
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.119+/-0.004 χ^2/NDF: 4912978.2/39

All: 23.967+/-0.003 χ^2/NDF: 9953666.7/81

- sign 23.814+/-0.004 χ^2/NDF: 5037120.4/41

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

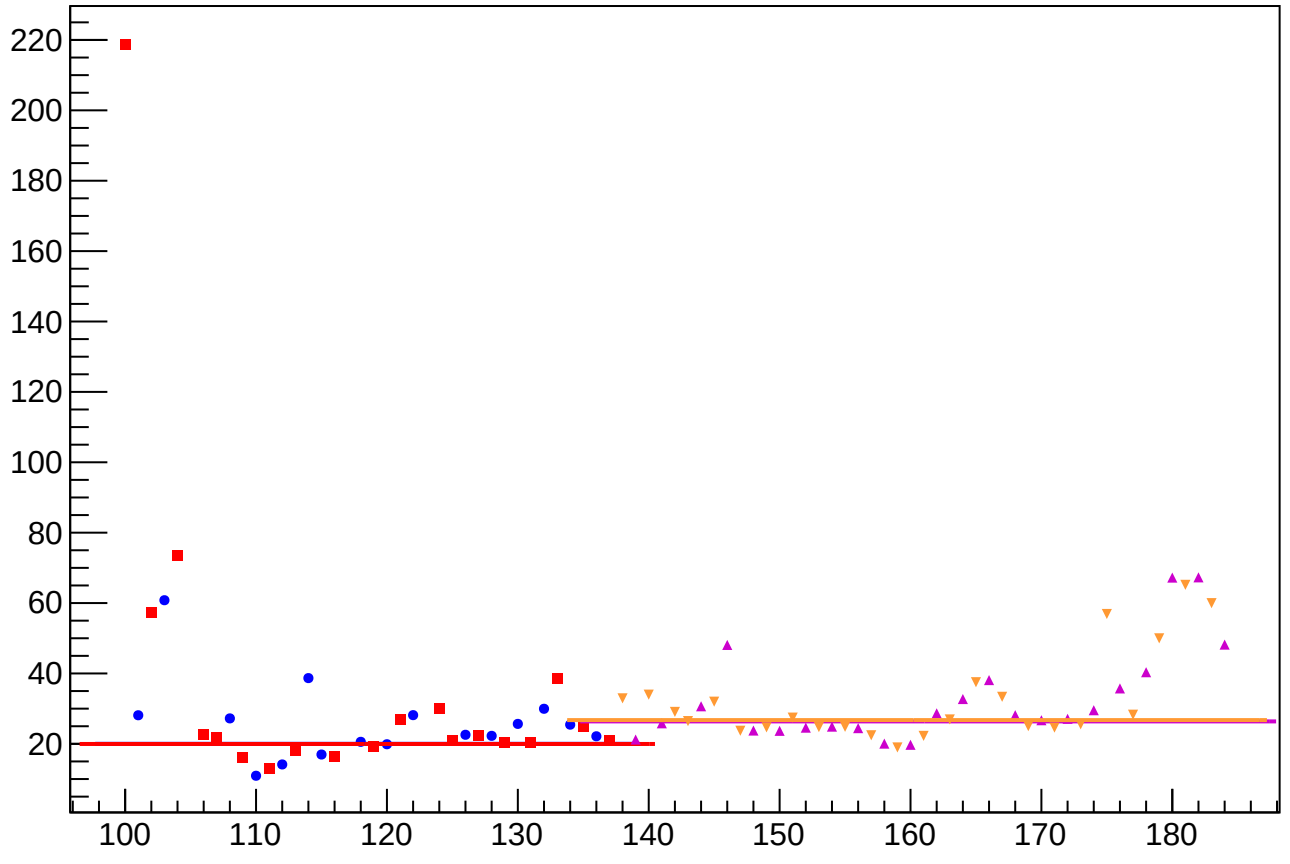
Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/39

All: 0.002+/-0.004 χ^2/NDF: 100.6/81

- sign 0.001+/-0.005 χ^2/NDF: 62.1/41



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

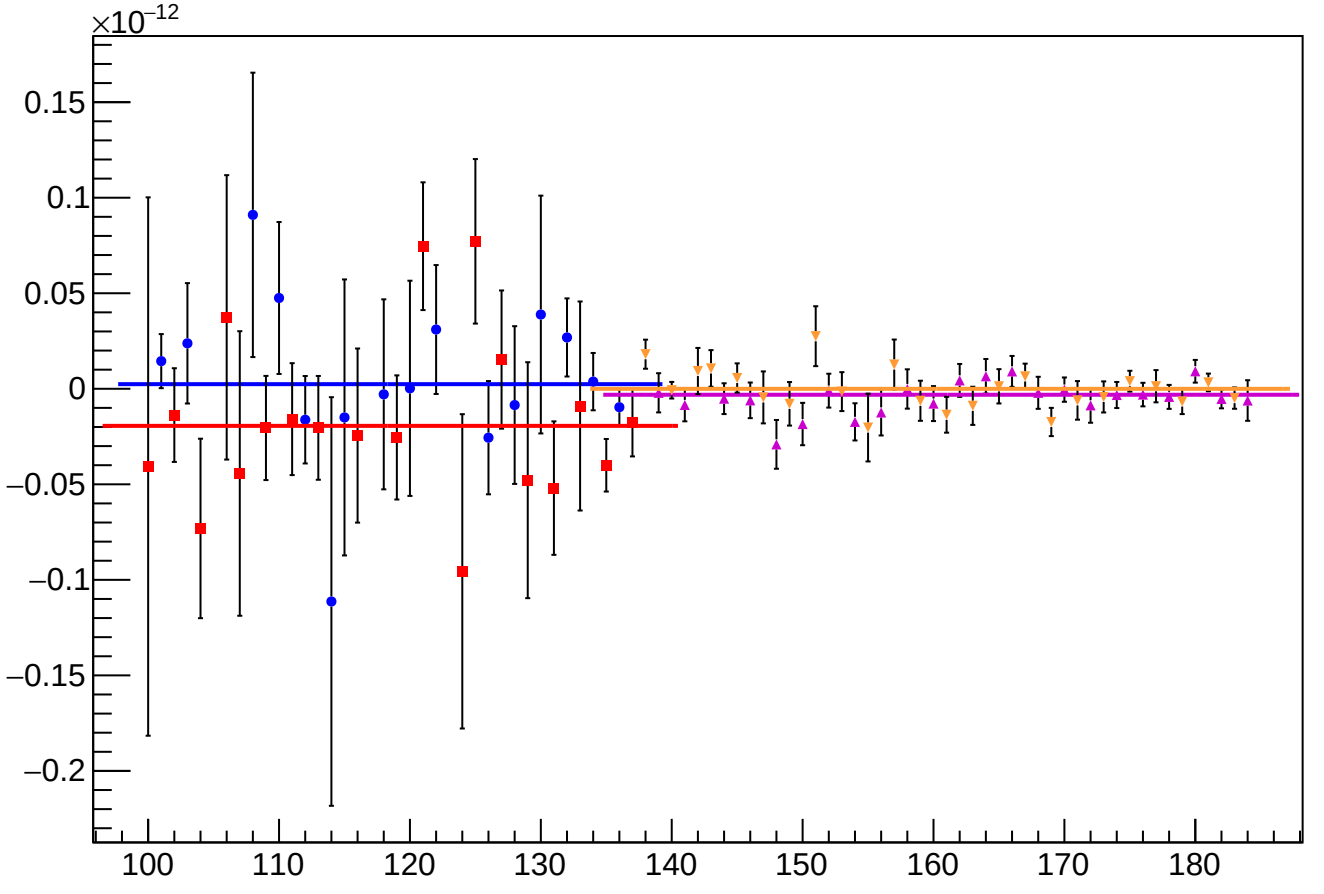
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.119+/-0.004 χ^2/NDF: 4912978.2/39

All: 23.967+/-0.003 χ^2/NDF: 9953666.7/81

- sign 23.814+/-0.004 χ^2/NDF: 5037120.4/41

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

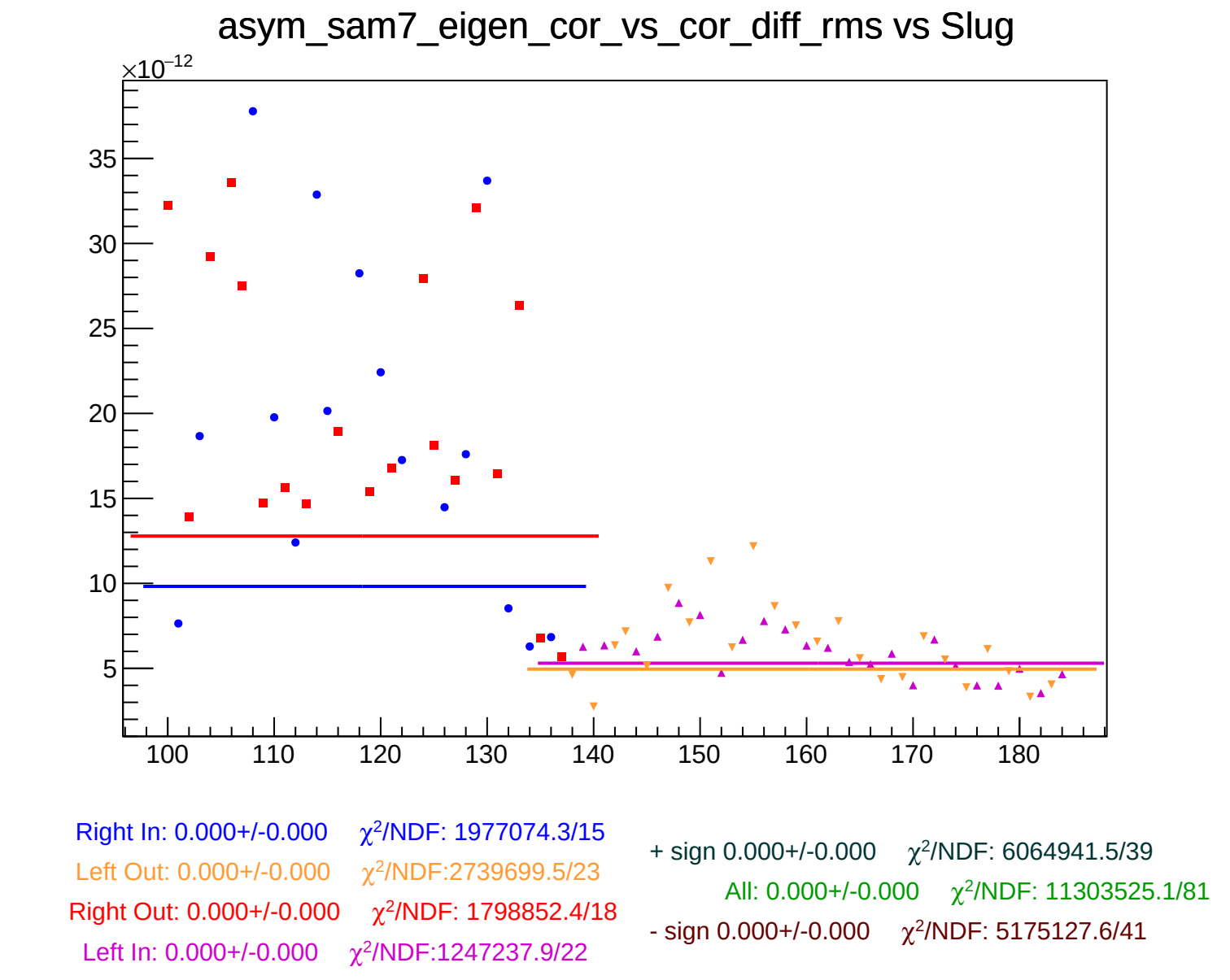
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/39

All: -0.000+/-0.000 χ^2/NDF: 86.1/81

- sign -0.000+/-0.000 χ^2/NDF: 44.4/41


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
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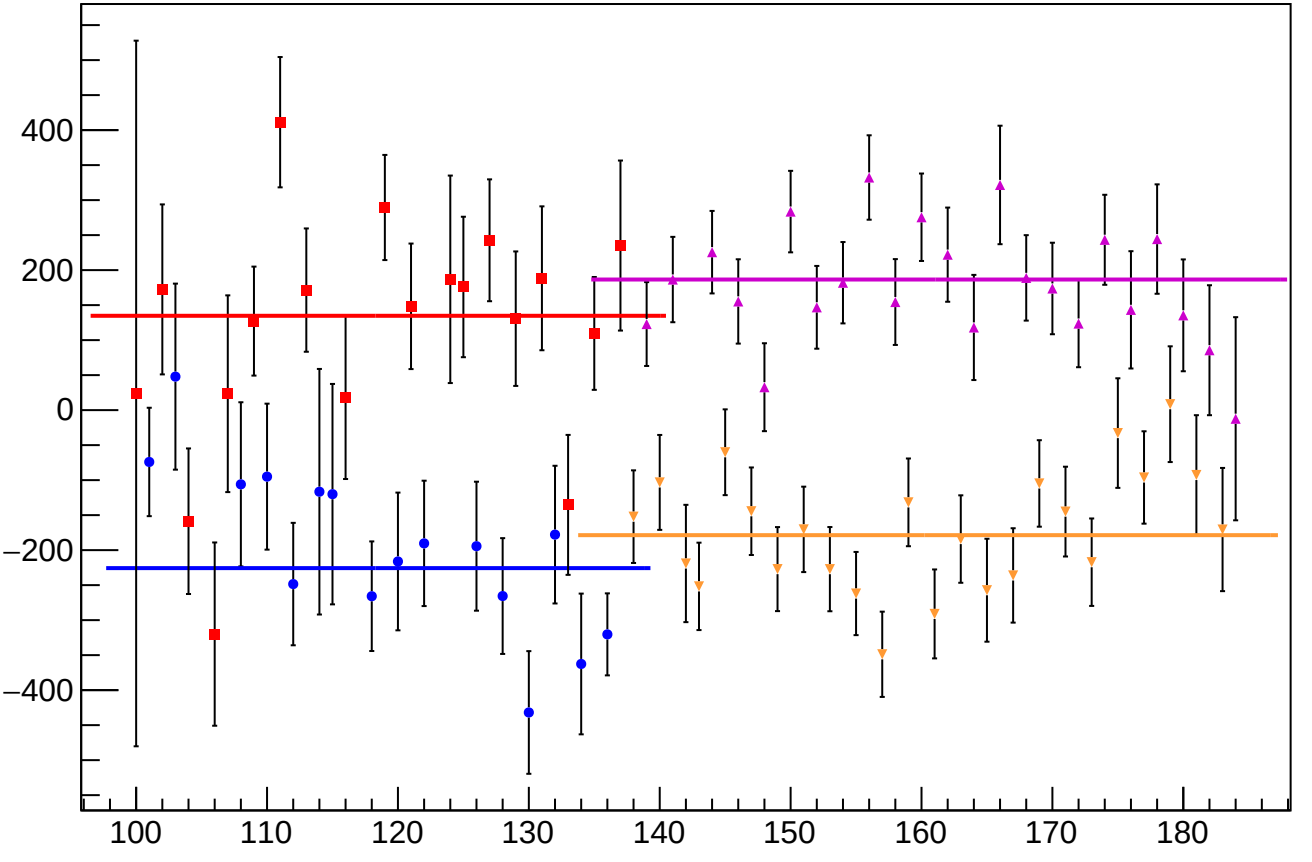
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2739699.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:1247237.9/22
+ sign 0.000+/-0.000 χ²/NDF: 6064941.5/39
All: 0.000+/-0.000 χ²/NDF: 11303525.1/81
- sign 0.000+/-0.000 χ²/NDF: 5175127.6/41

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

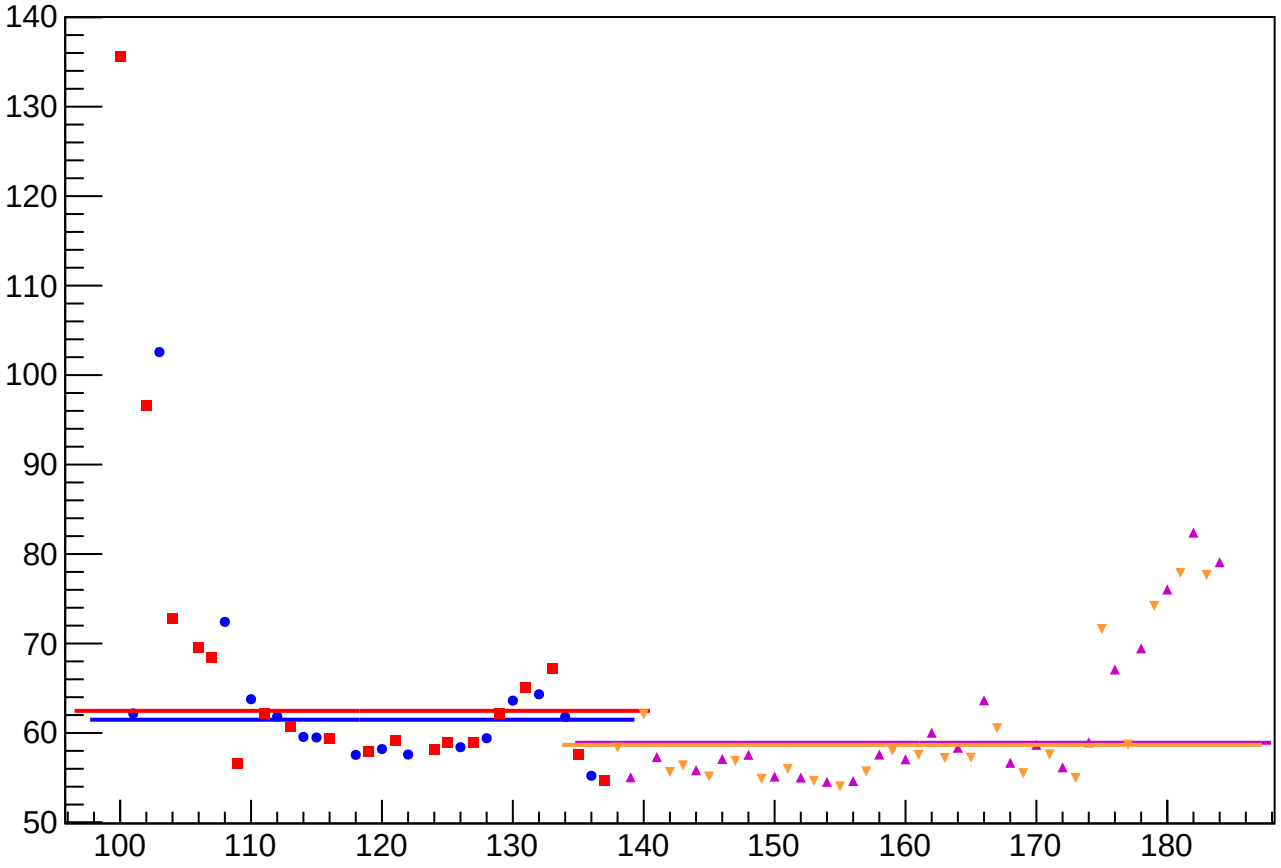
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -190.605+/-11.669 χ^2/NDF: 62.7/39

All: -12.360+/-8.331 χ^2/NDF: 616.5/81

- sign 172.934+/-11.897 χ^2/NDF: 77.9/41

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

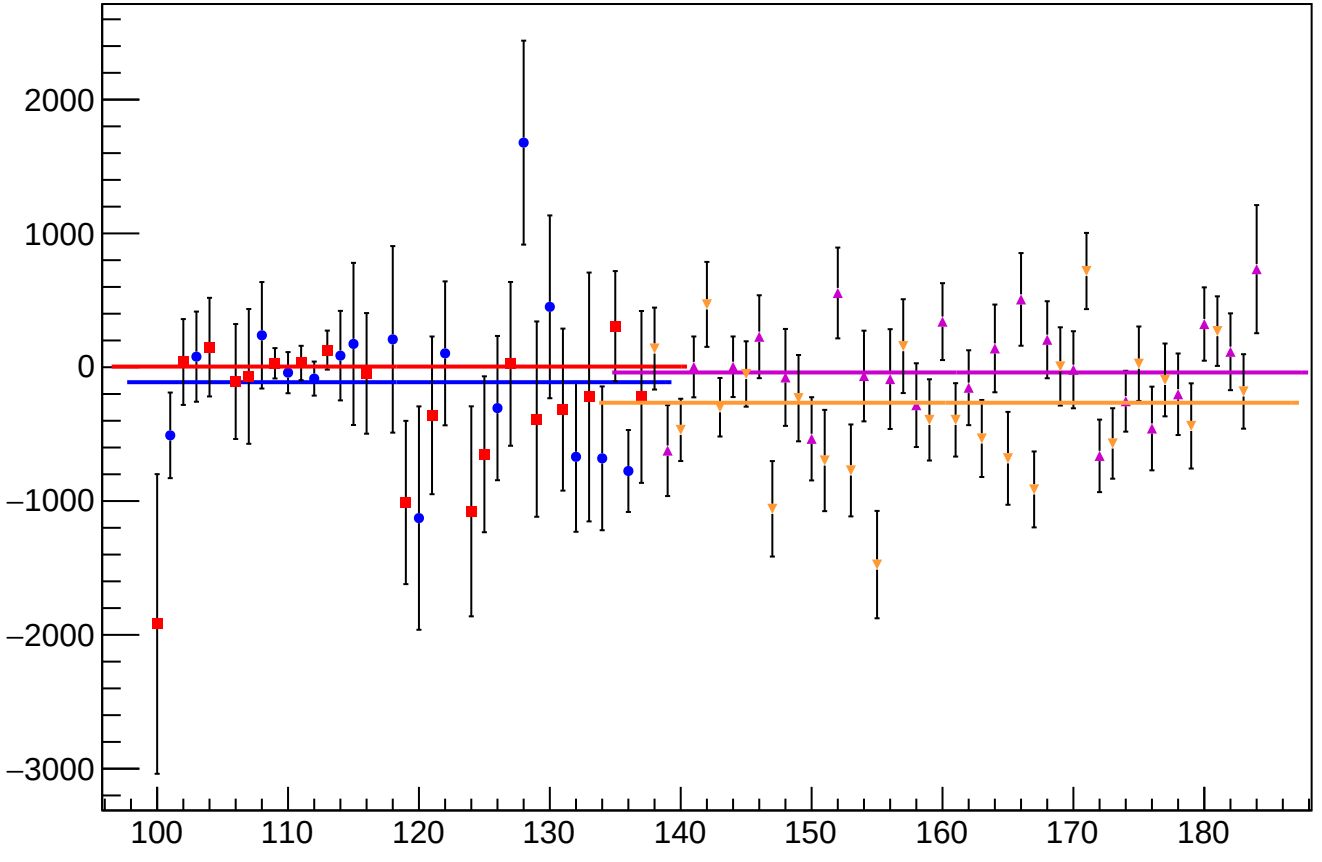
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.388+/-0.008 χ^2/NDF: 666098.2/39

All: 59.612+/-0.006 χ^2/NDF: 1370486.0/81

- sign 59.846+/-0.008 χ^2/NDF: 702880.1/41

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

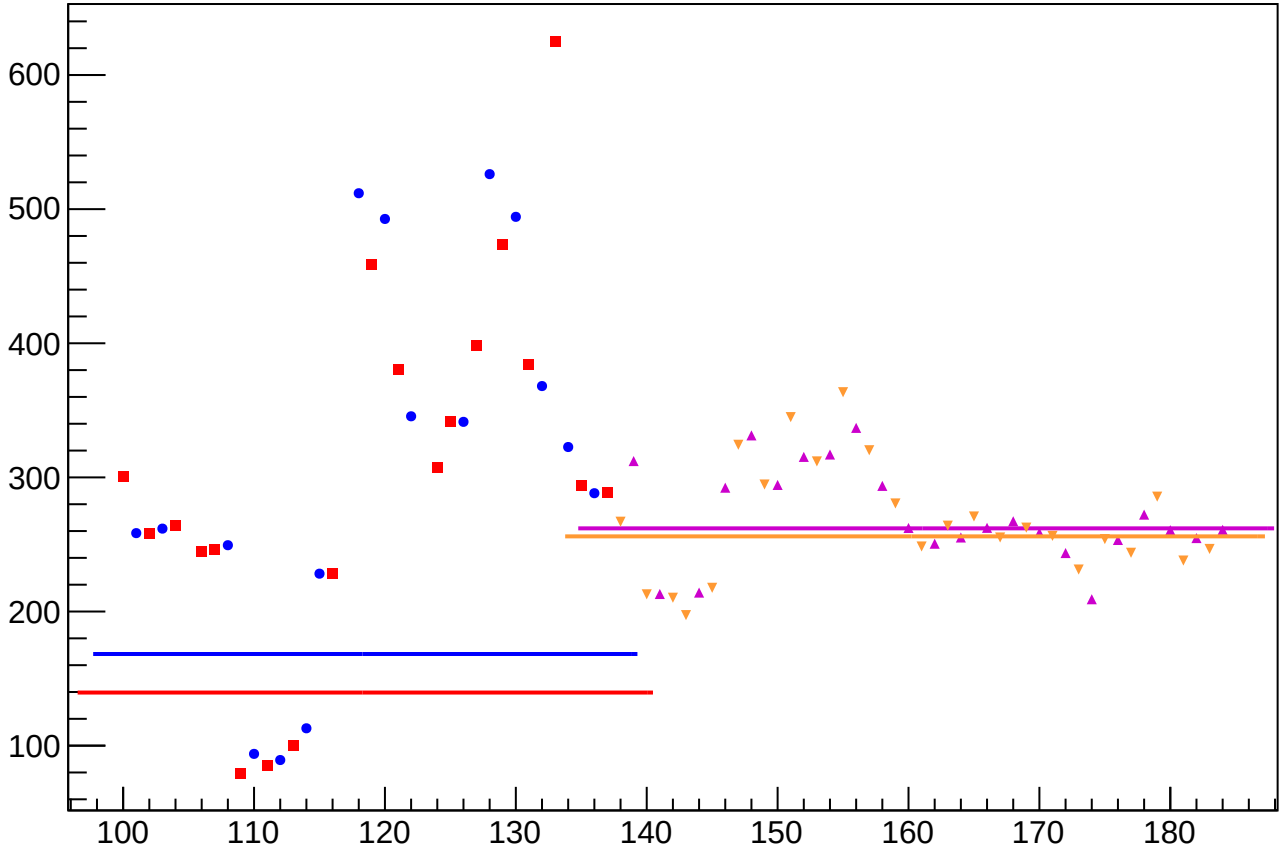
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -207.392+/-46.854 χ^2/NDF: 76.8/39

All: -107.662+/-32.253 χ^2/NDF: 125.6/81

- sign -17.844+/-44.465 χ^2/NDF: 40.2/41

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

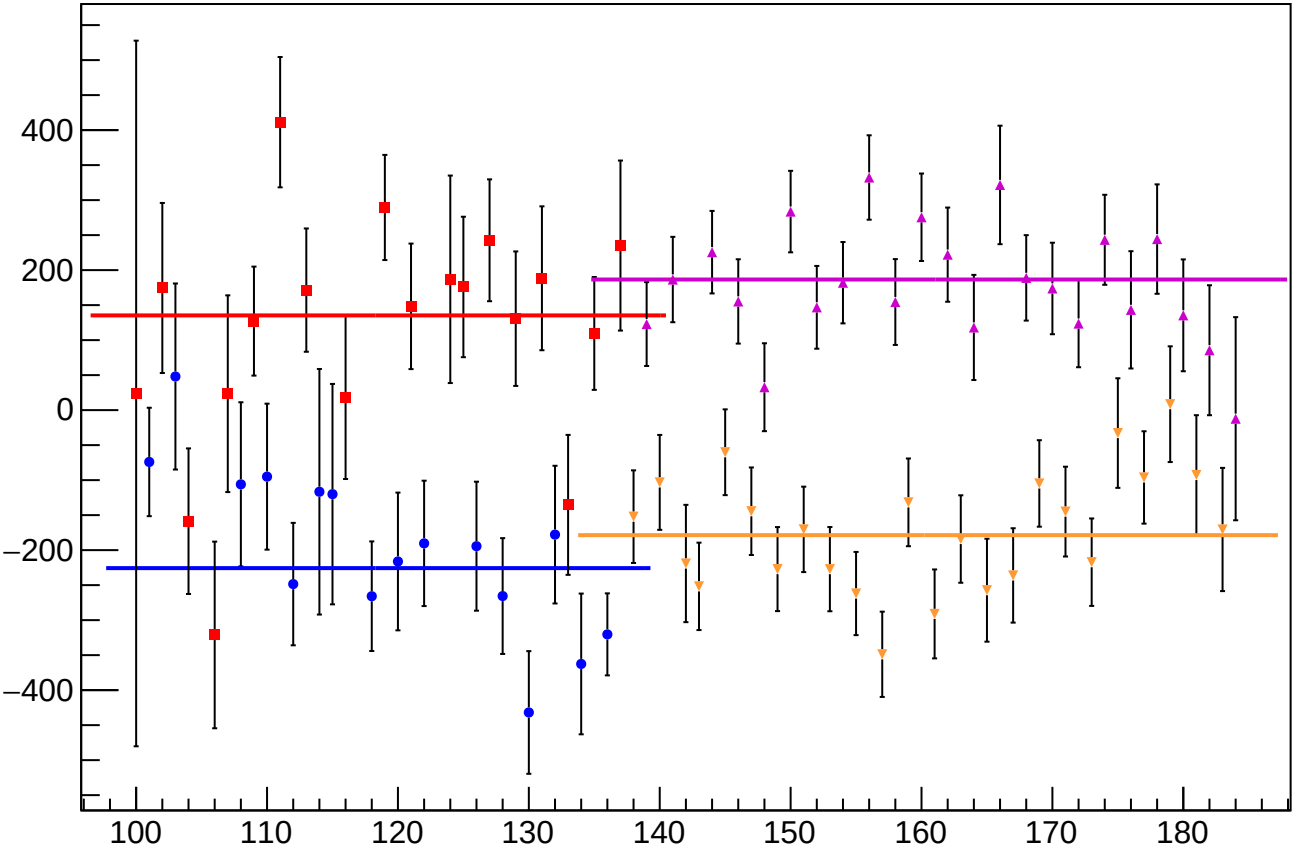
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 222.883+/-0.033 χ^2/NDF: 7045308.8/39

All: 212.313+/-0.023 χ^2/NDF: 16849103.9/81

- sign 202.794+/-0.031 χ^2/NDF: 9610344.0/41

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

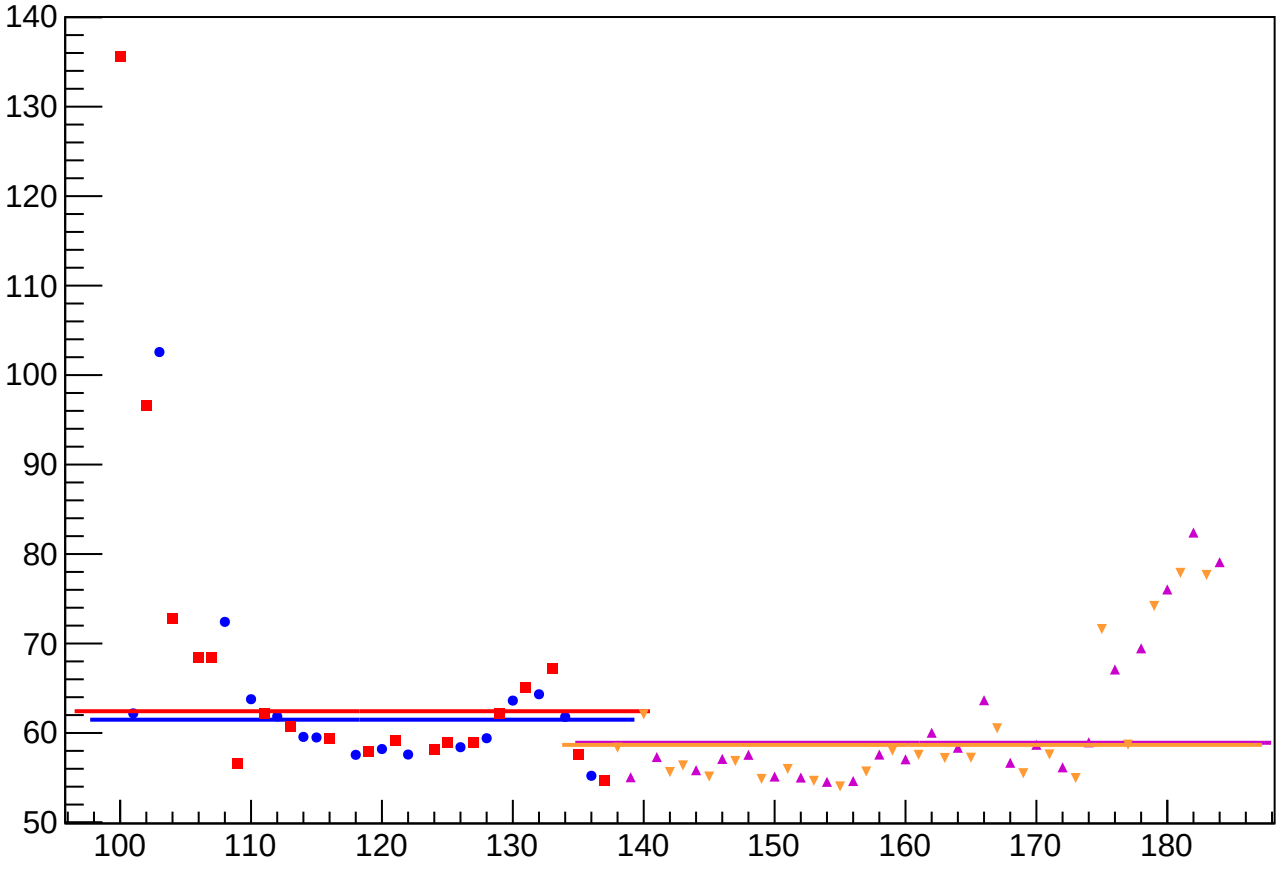
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -190.602+/-11.669 χ^2/NDF: 62.7/39

All: -12.309+/-8.331 χ^2/NDF: 616.4/81

- sign 173.090+/-11.899 χ^2/NDF: 77.5/41

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

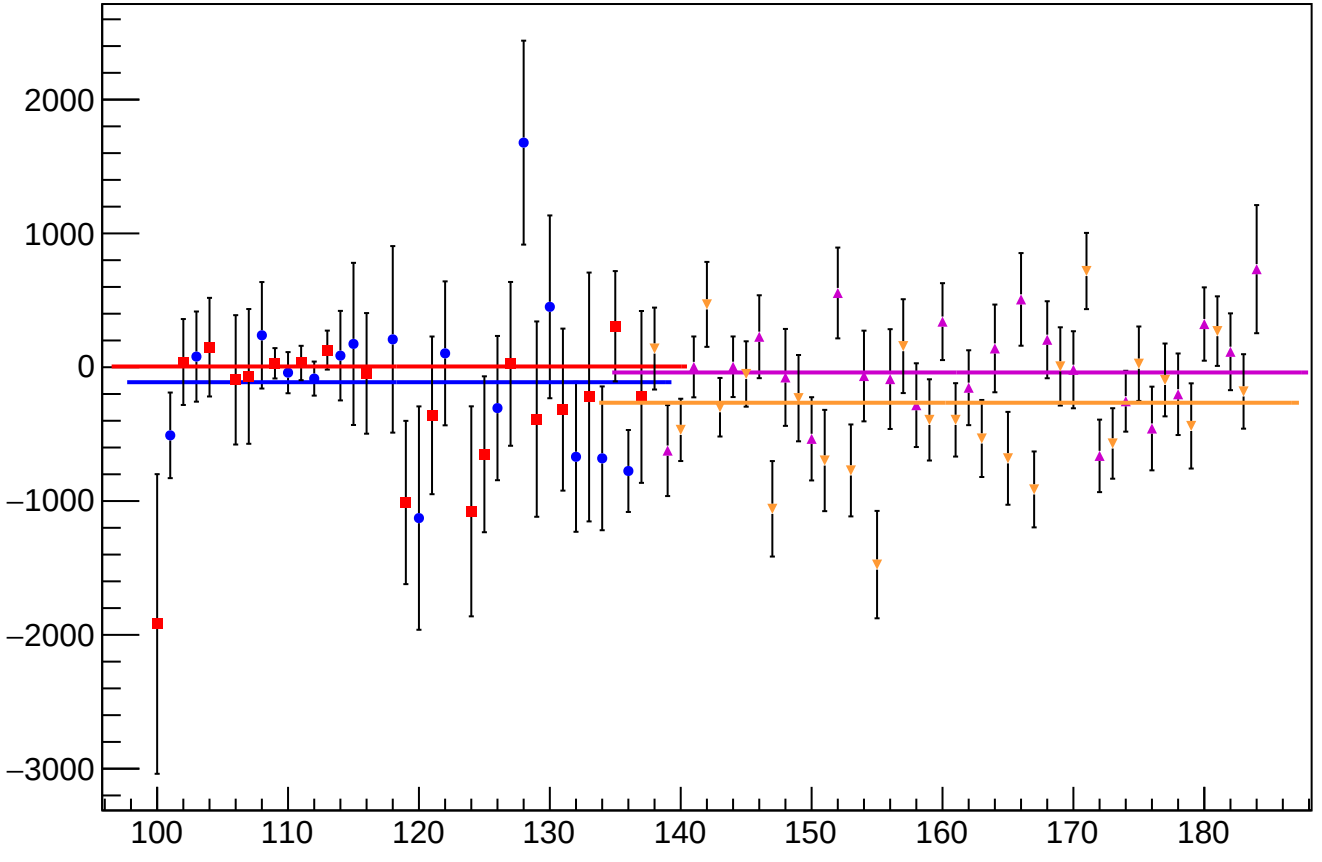
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.388+/-0.008 χ^2/NDF: 666100.8/39

All: 59.606+/-0.006 χ^2/NDF: 1367803.5/81

- sign 59.833+/-0.008 χ^2/NDF: 700274.1/41

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

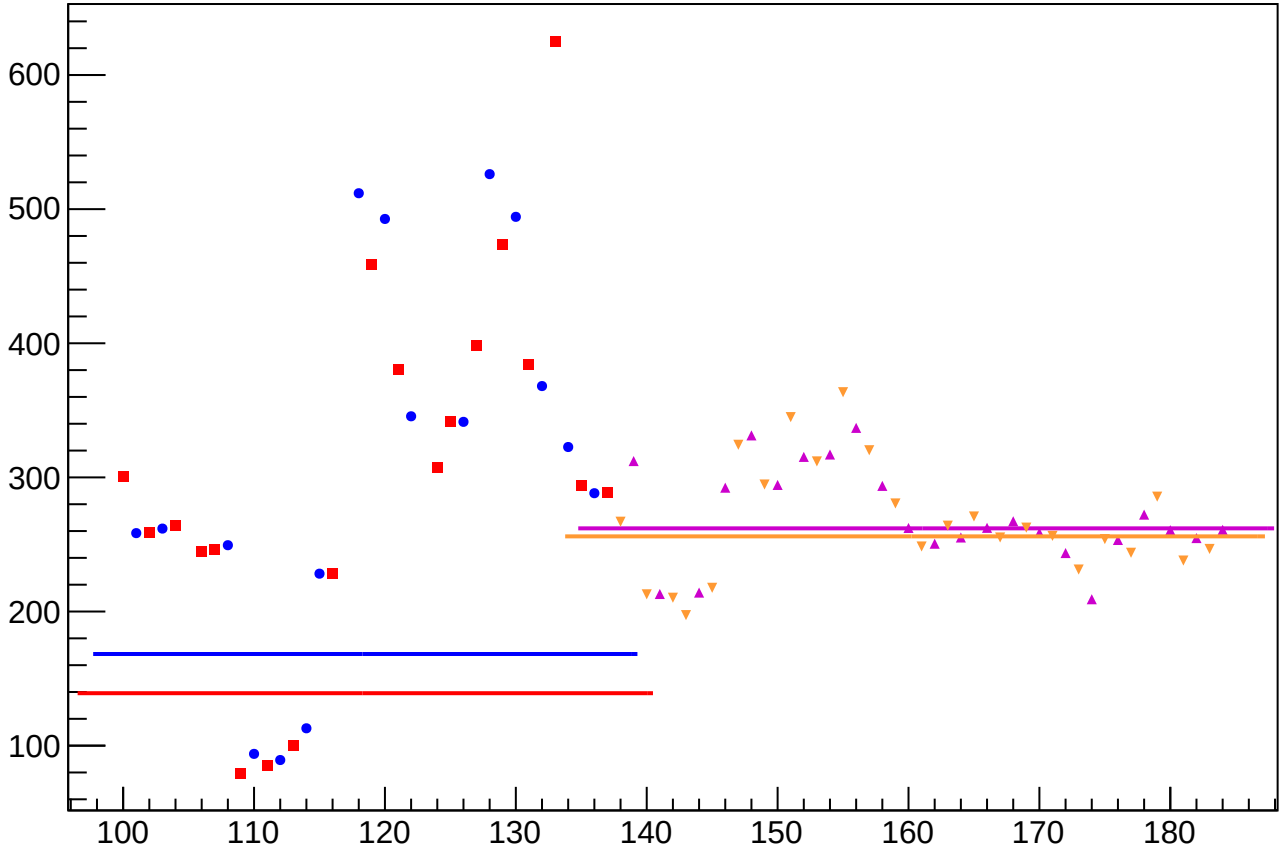
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -207.386+/-46.854 χ^2/NDF: 76.8/39

All: -107.611+/-32.273 χ^2/NDF: 125.6/81

- sign -17.546+/-44.516 χ^2/NDF: 40.2/41

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

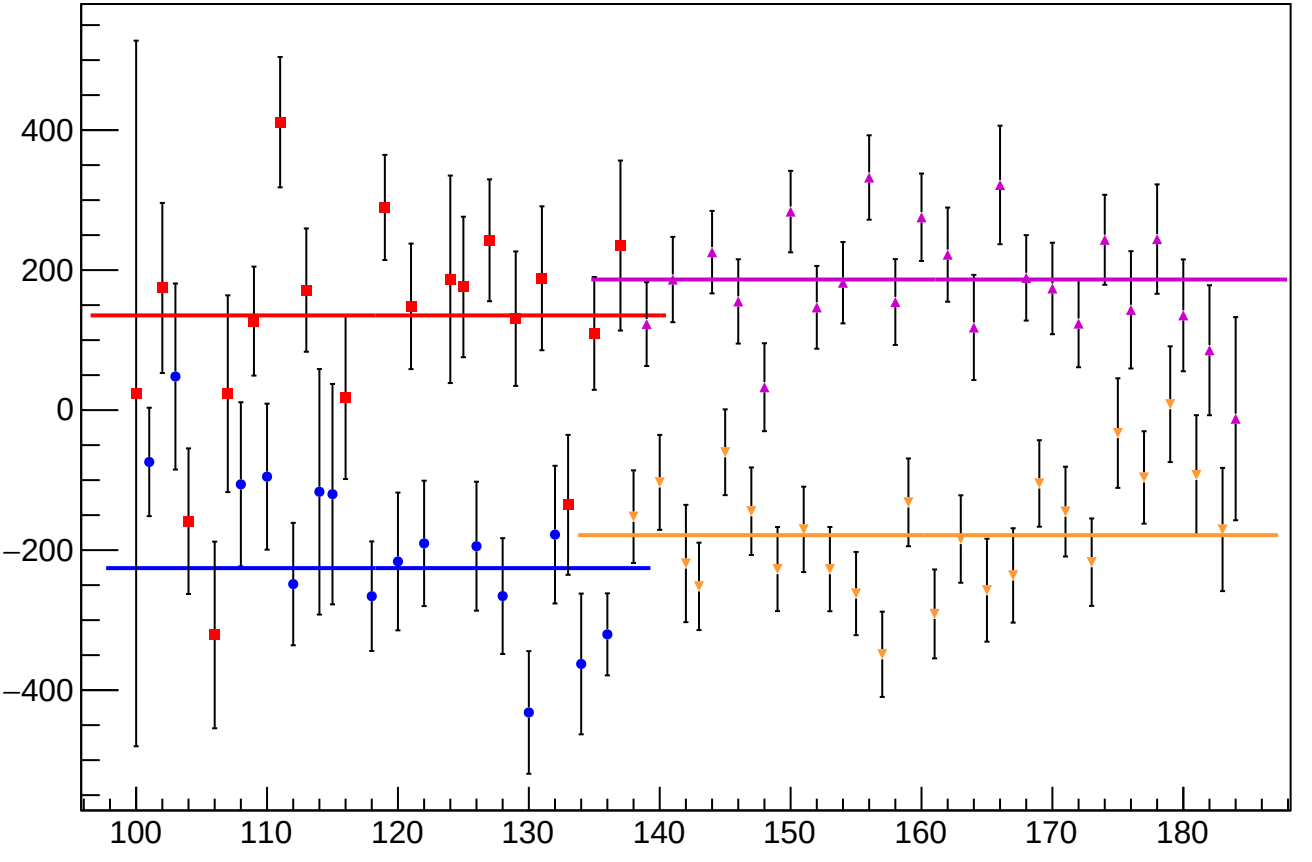
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 222.884+/-0.033 χ^2/NDF: 7045337.4/39

All: 212.277+/-0.023 χ^2/NDF: 16847455.9/81

- sign 202.703+/-0.031 χ^2/NDF: 9607128.2/41

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

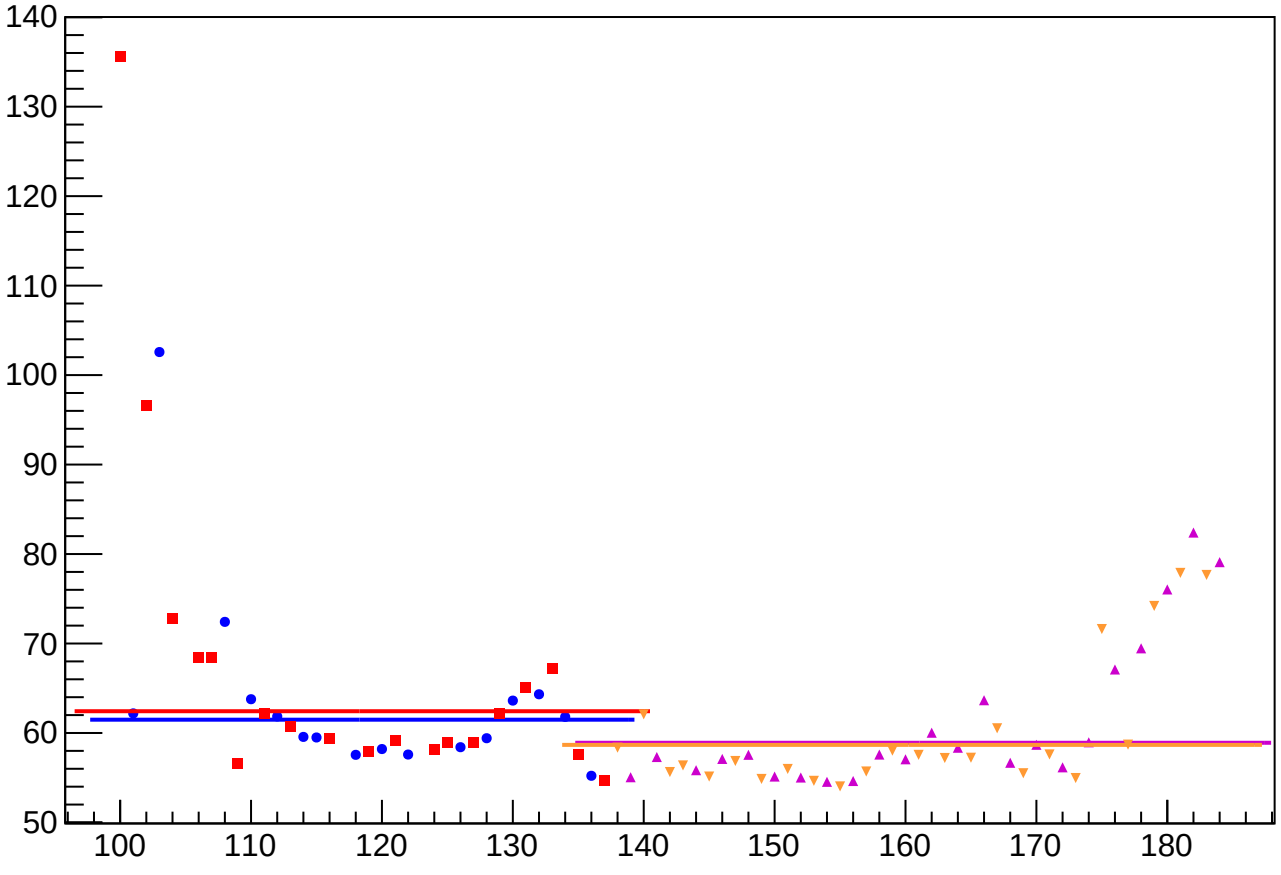
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -190.602+/-11.669 χ^2/NDF: 62.7/39

All: -12.309+/-8.331 χ^2/NDF: 616.4/81

- sign 173.090+/-11.899 χ^2/NDF: 77.5/41

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

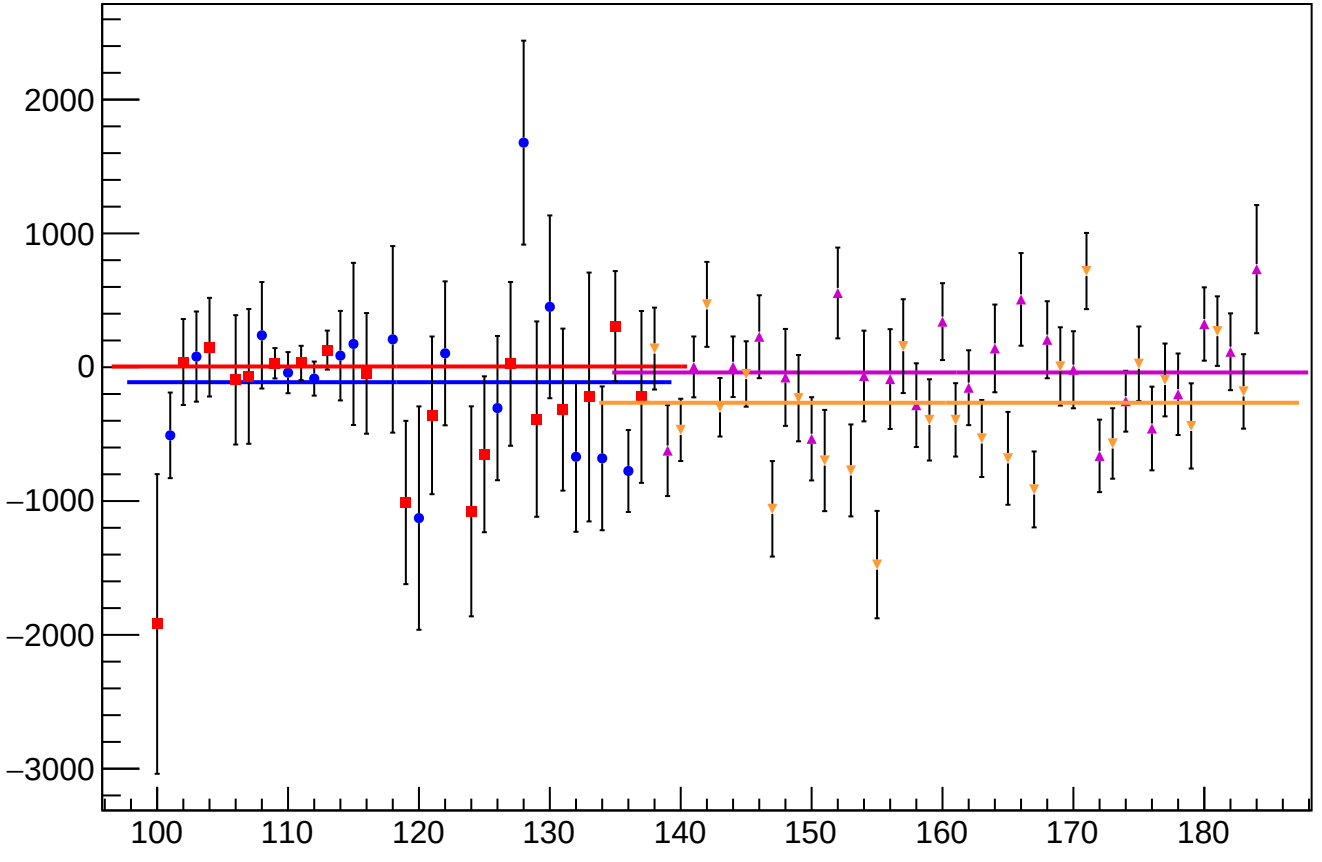
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.388+/-0.008 χ^2/NDF: 666100.8/39

All: 59.606+/-0.006 χ^2/NDF: 1367803.5/81

- sign 59.833+/-0.008 χ^2/NDF: 700274.1/41

asym_sam8_eigen_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

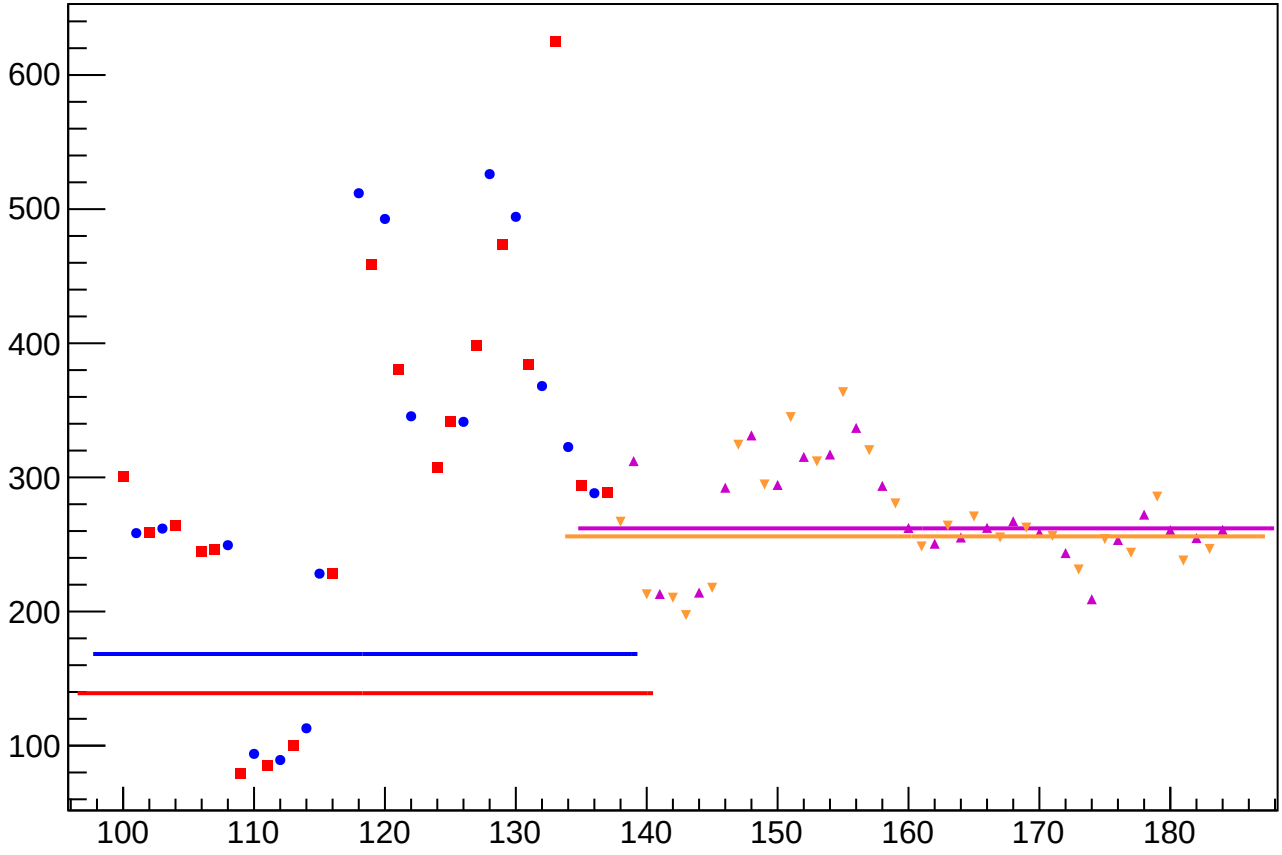
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -207.386+/-46.854 χ^2/NDF: 76.8/39

All: -107.611+/-32.273 χ^2/NDF: 125.6/81

- sign -17.546+/-44.516 χ^2/NDF: 40.2/41

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

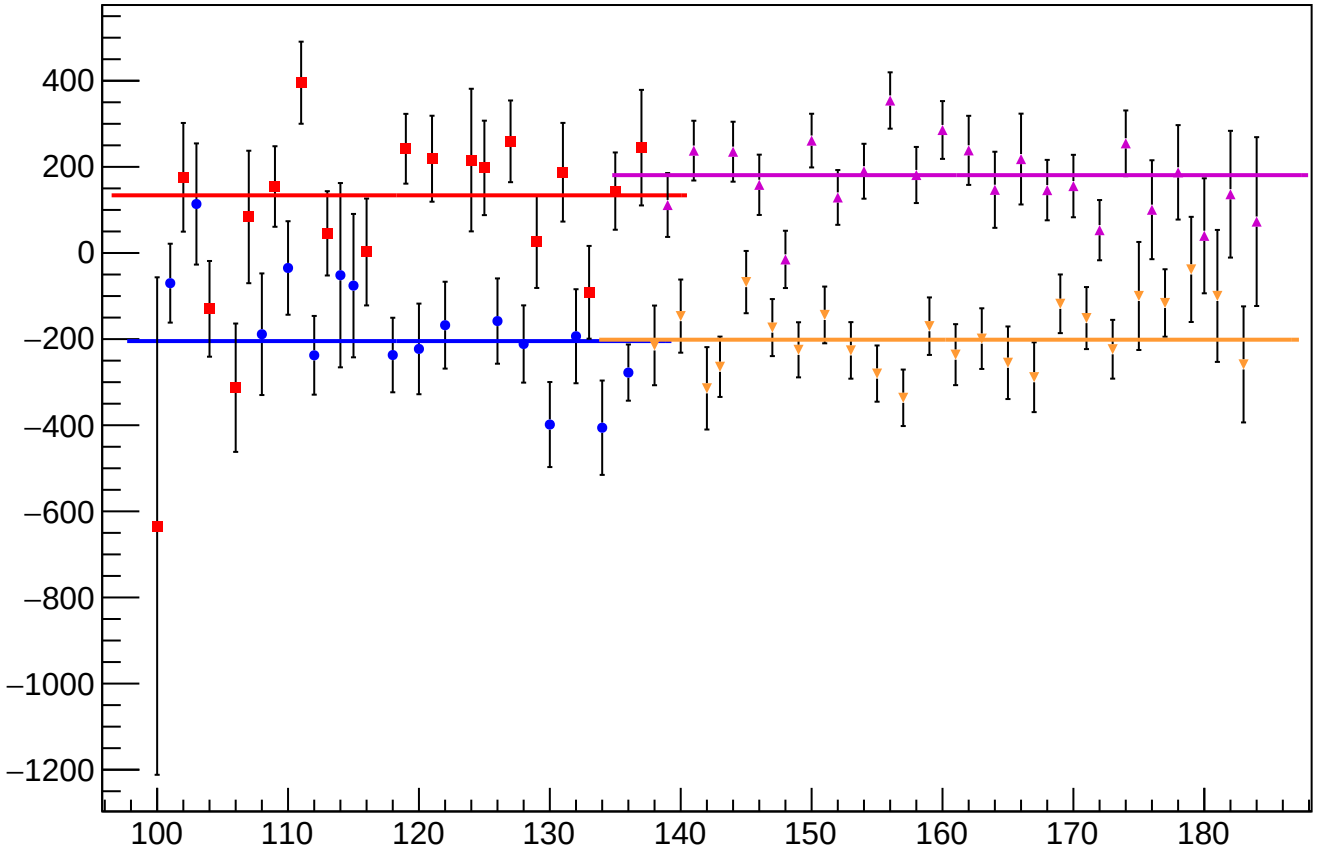
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 222.884+/-0.033 χ^2/NDF: 7045337.4/39

All: 212.277+/-0.023 χ^2/NDF: 16847455.9/81

- sign 202.703+/-0.031 χ^2/NDF: 9607128.2/41

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

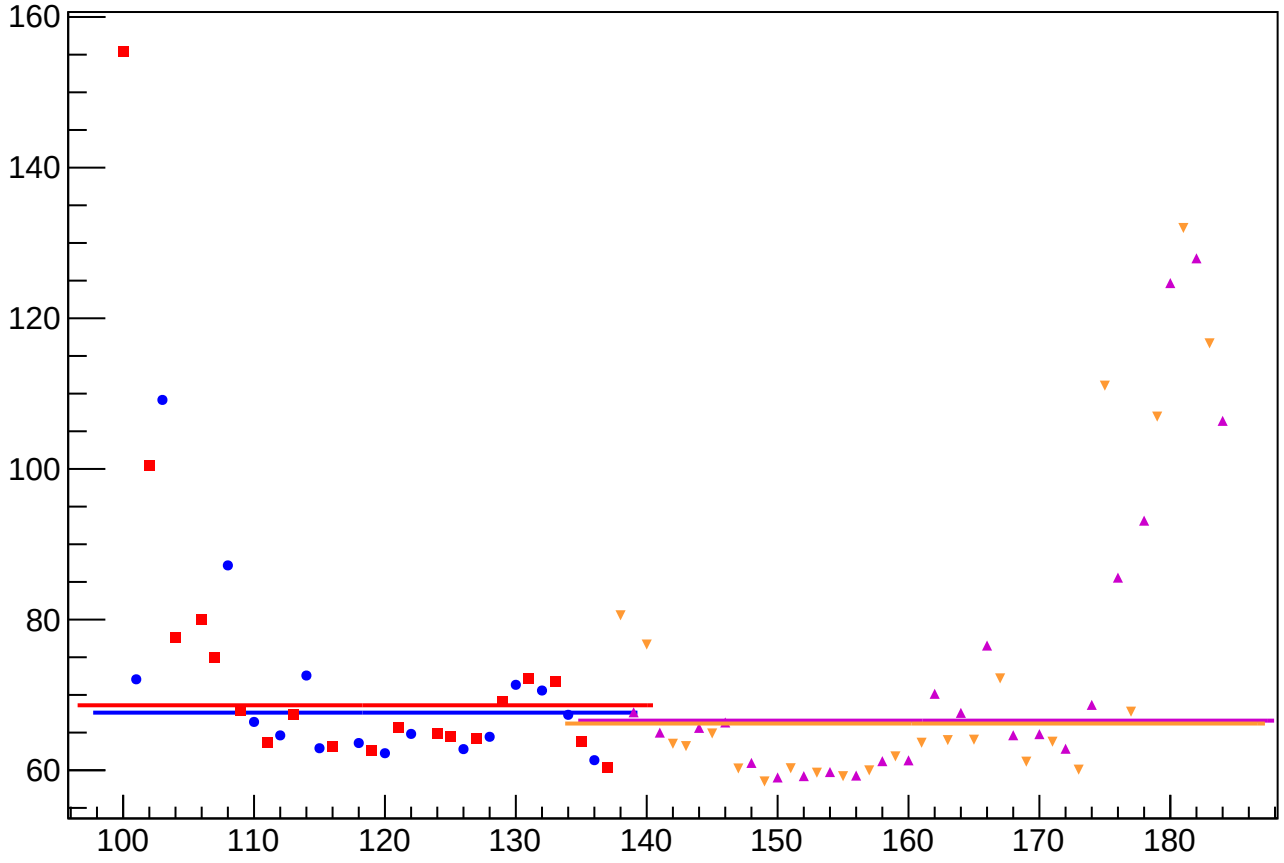
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

\+ sign -202.243+/-13.330 χ^2/NDF: 41.3/39

All: -20.561+/-9.507 χ^2/NDF: 489.2/81

\- sign 167.512+/-13.562 χ^2/NDF: 69.8/41

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

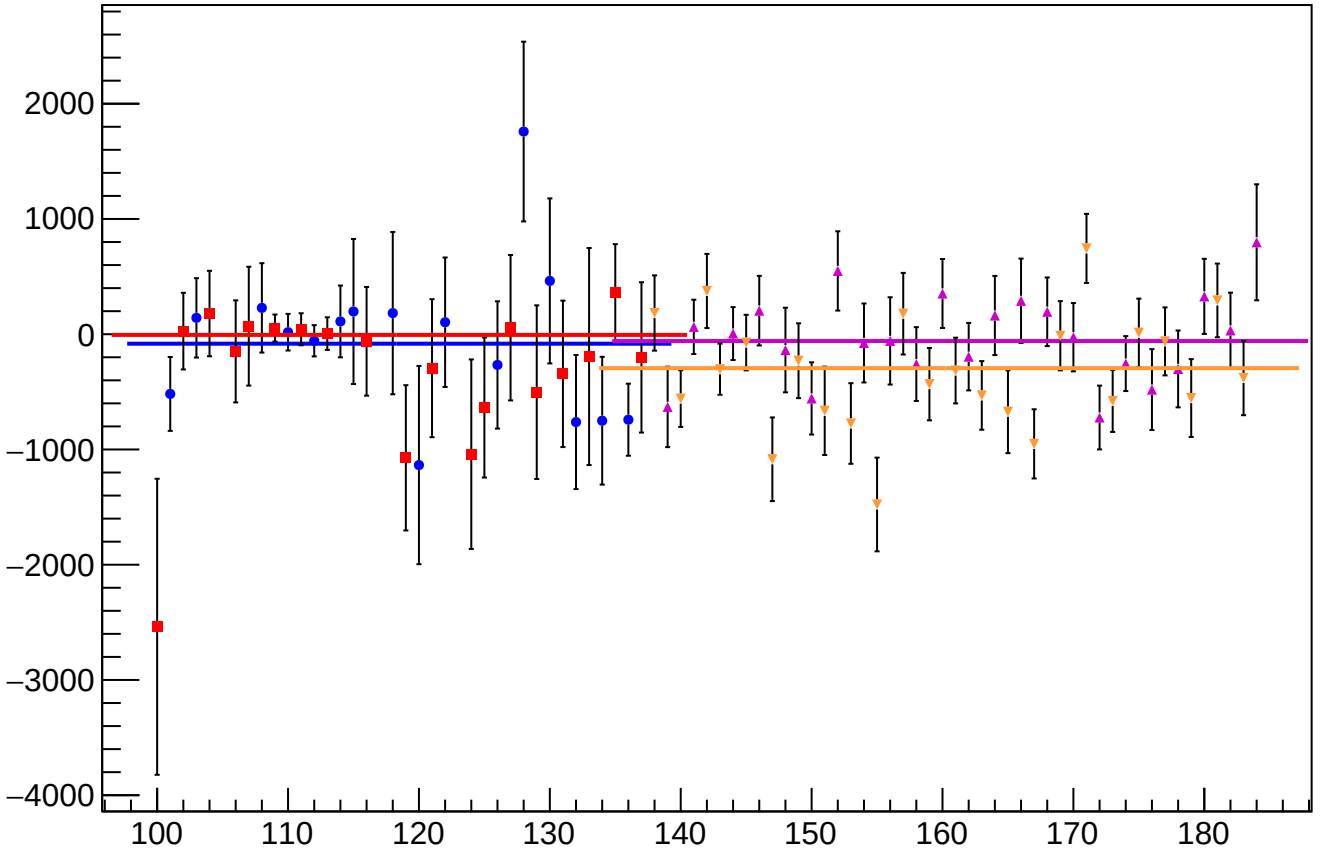
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 66.595+/-0.009 χ^2/NDF: 1657995.3/39

All: 66.874+/-0.007 χ^2/NDF: 3075351.9/81

- sign 67.163+/-0.010 χ^2/NDF: 1415576.6/41

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

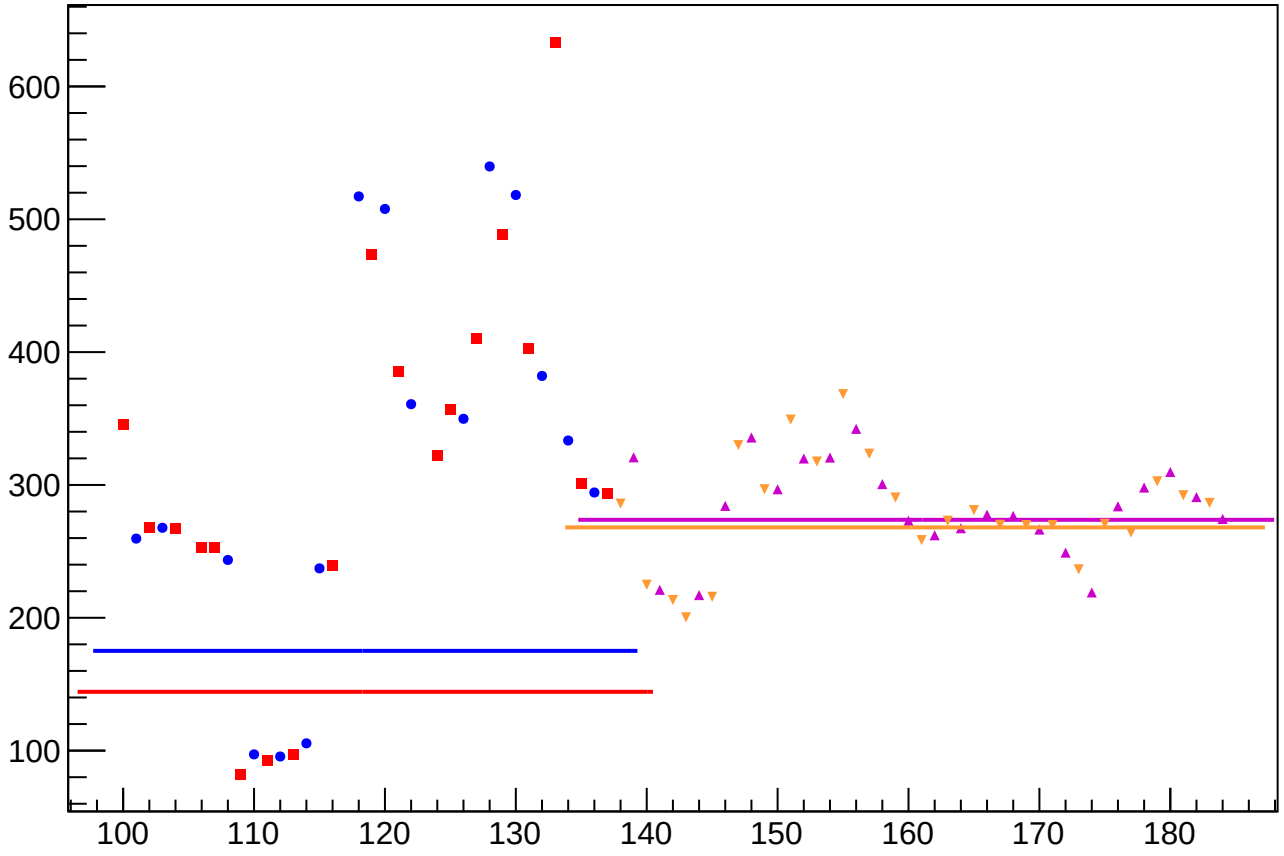
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -212.881+/-48.779 χ^2/NDF: 76.5/39

All: -118.028+/-33.523 χ^2/NDF: 122.9/81

- sign -33.130+/-46.149 χ^2/NDF: 39.2/41

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

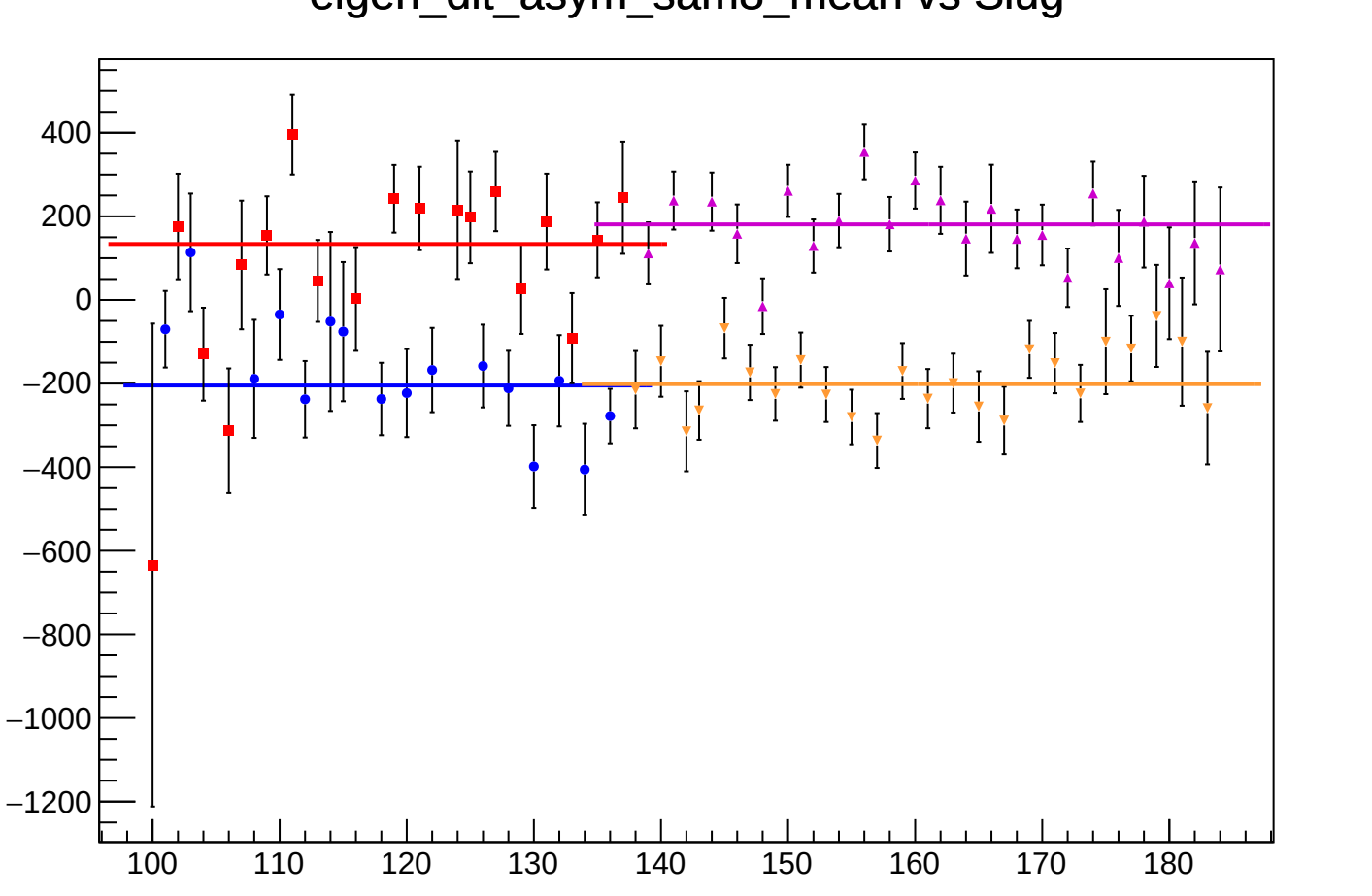
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 232.320+/-0.034 χ^2/NDF: 7010241.0/39

All: 220.688+/-0.024 χ^2/NDF: 16942701.1/81

- sign 210.277+/-0.033 χ^2/NDF: 9716931.2/41



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

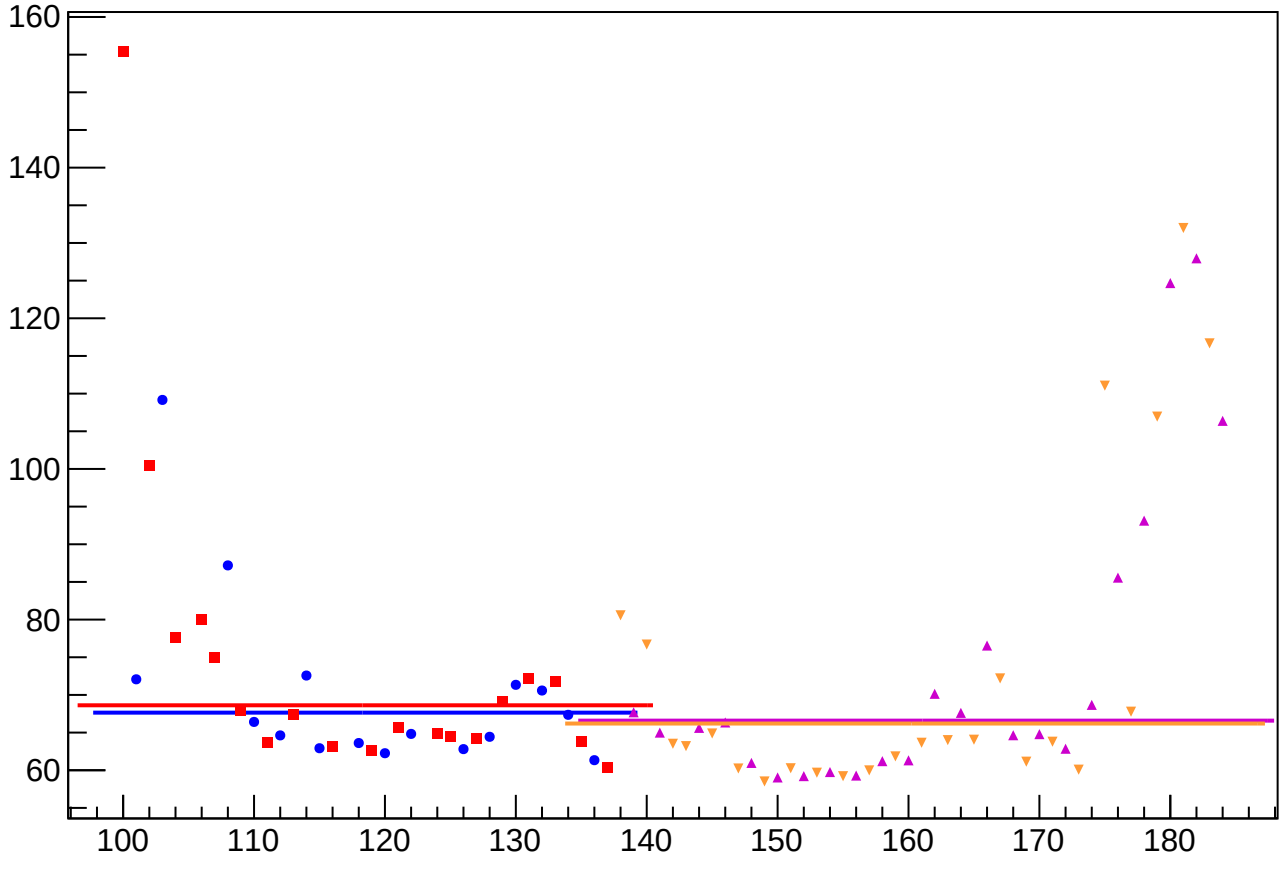
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -202.243+/-13.330 χ^2/NDF: 41.3/39

All: -20.561+/-9.507 χ^2/NDF: 489.2/81

- sign 167.513+/-13.562 χ^2/NDF: 69.8/41

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

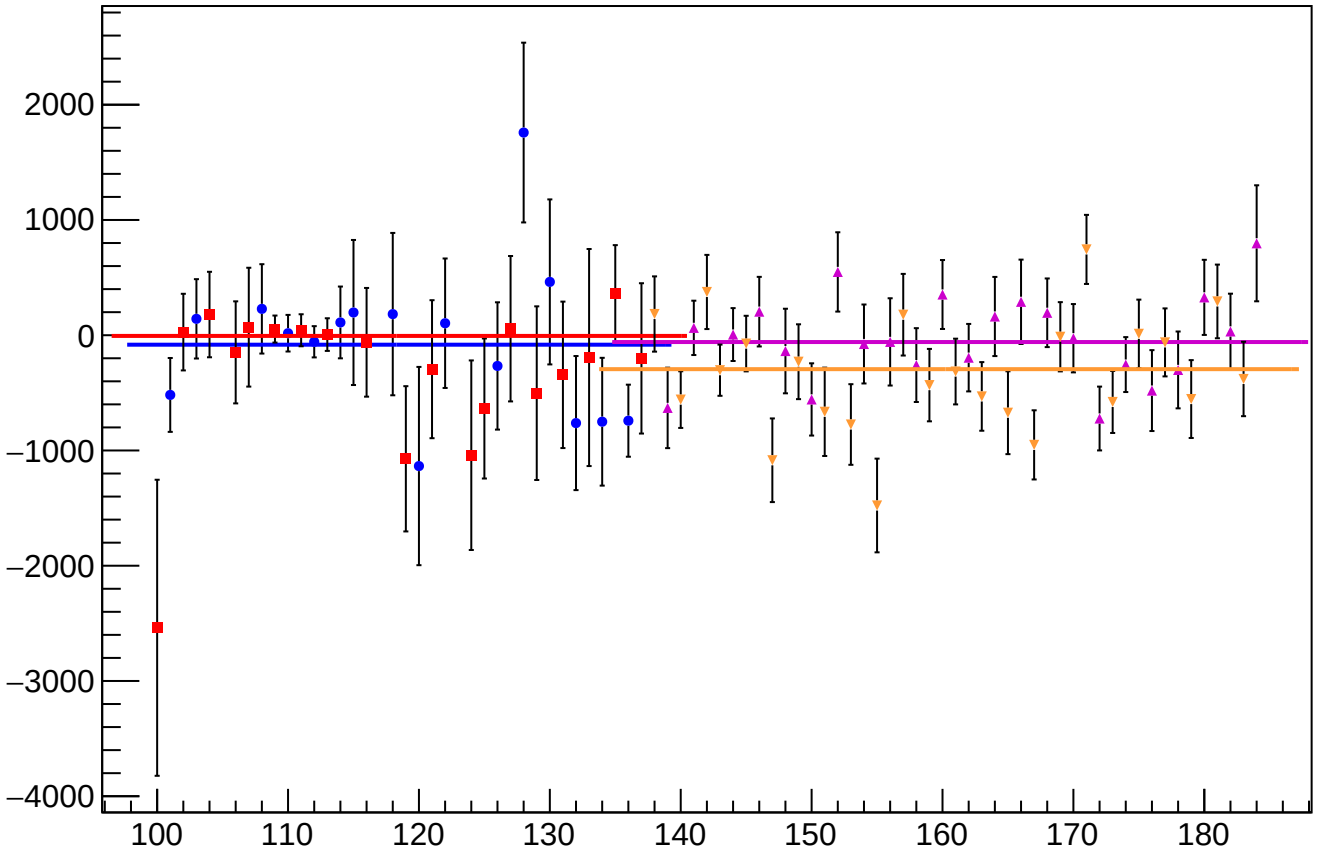
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 66.595+/-0.009 χ^2/NDF: 1657995.1/39

All: 66.874+/-0.007 χ^2/NDF: 3075344.8/81

- sign 67.163+/-0.010 χ^2/NDF: 1415569.5/41



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

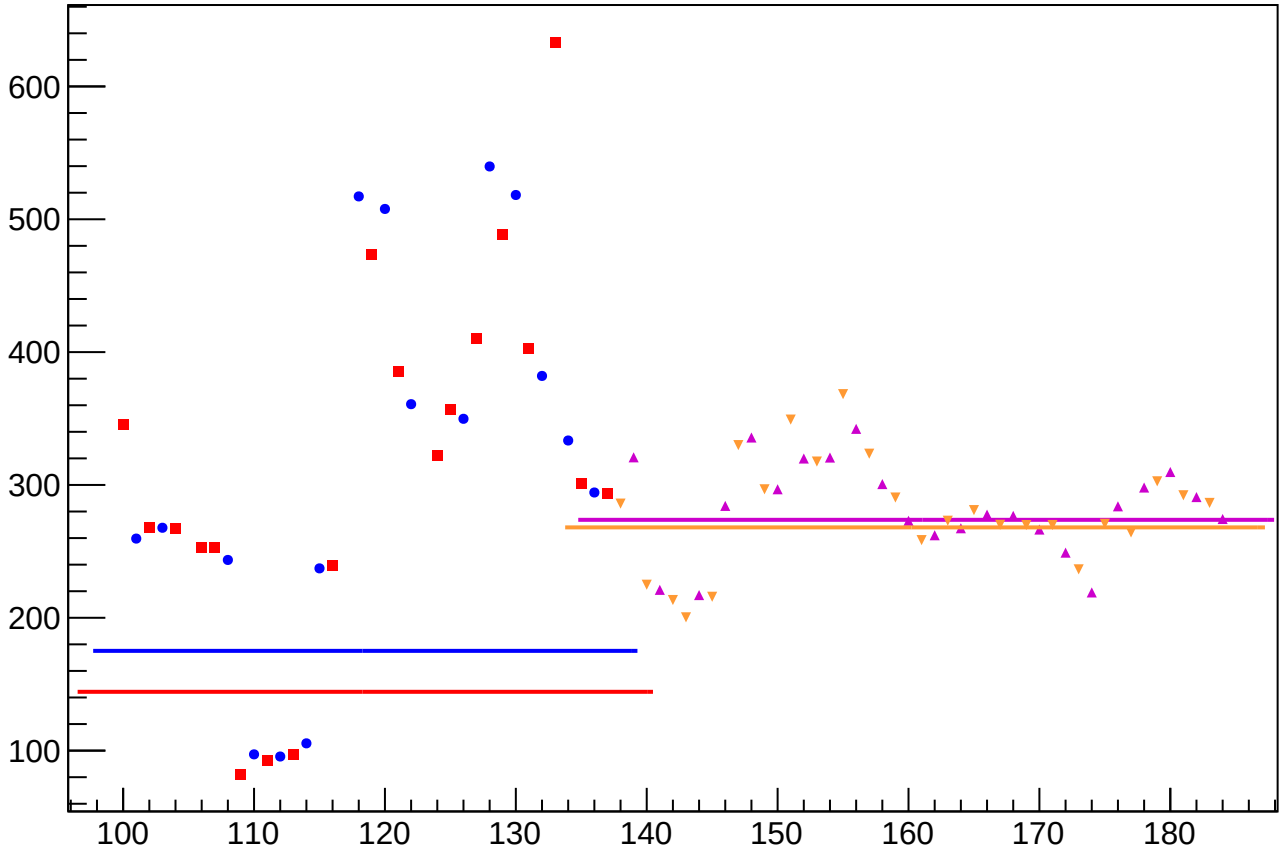
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -212.880+/-48.779 χ^2/NDF: 76.5/39

All: -118.027+/-33.523 χ^2/NDF: 122.9/81

- sign -33.129+/-46.148 χ^2/NDF: 39.2/41

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

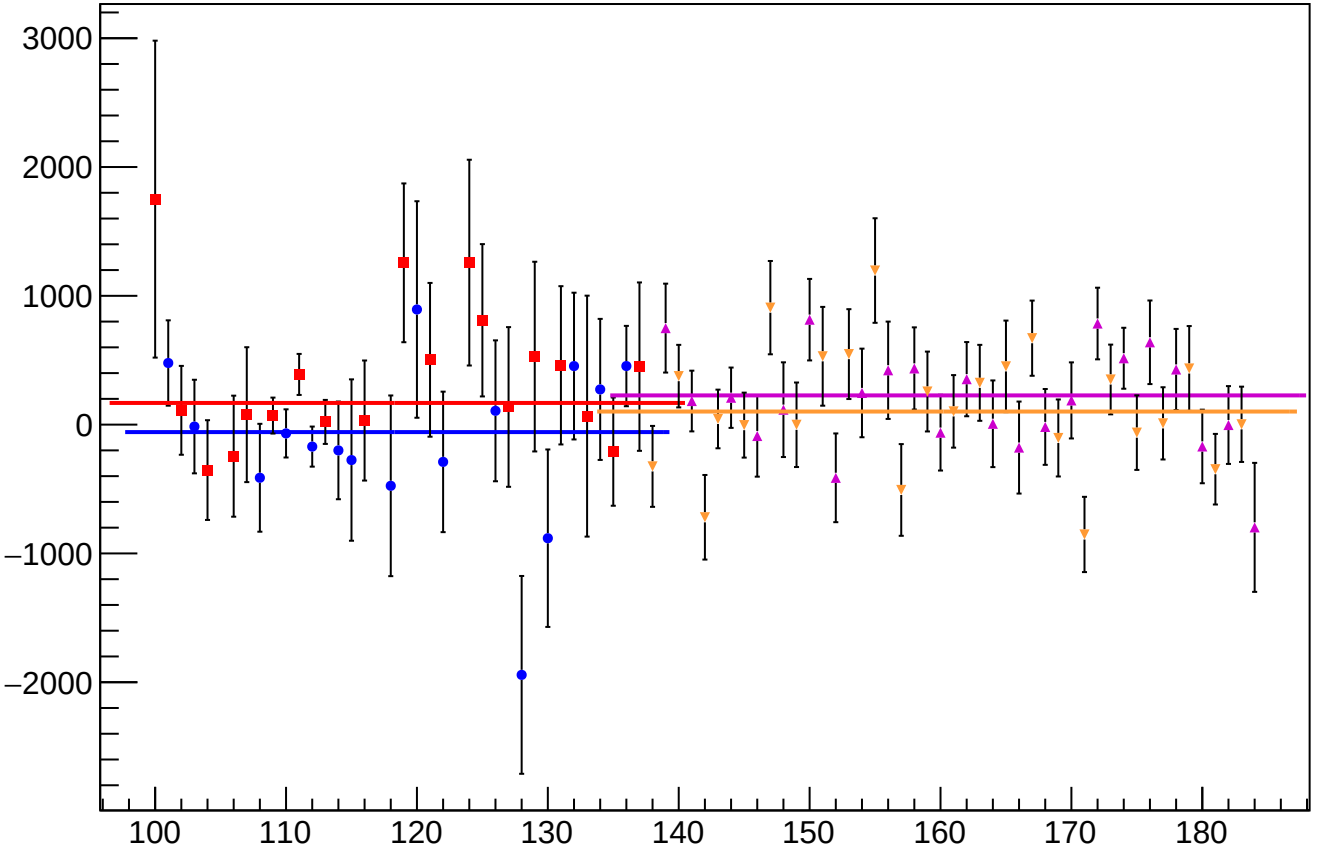
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 232.319+/-0.034 χ^2/NDF: 7010306.1/39

All: 220.687+/-0.024 χ^2/NDF: 16942724.4/81

- sign 210.276+/-0.033 χ^2/NDF: 9716900.8/41

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

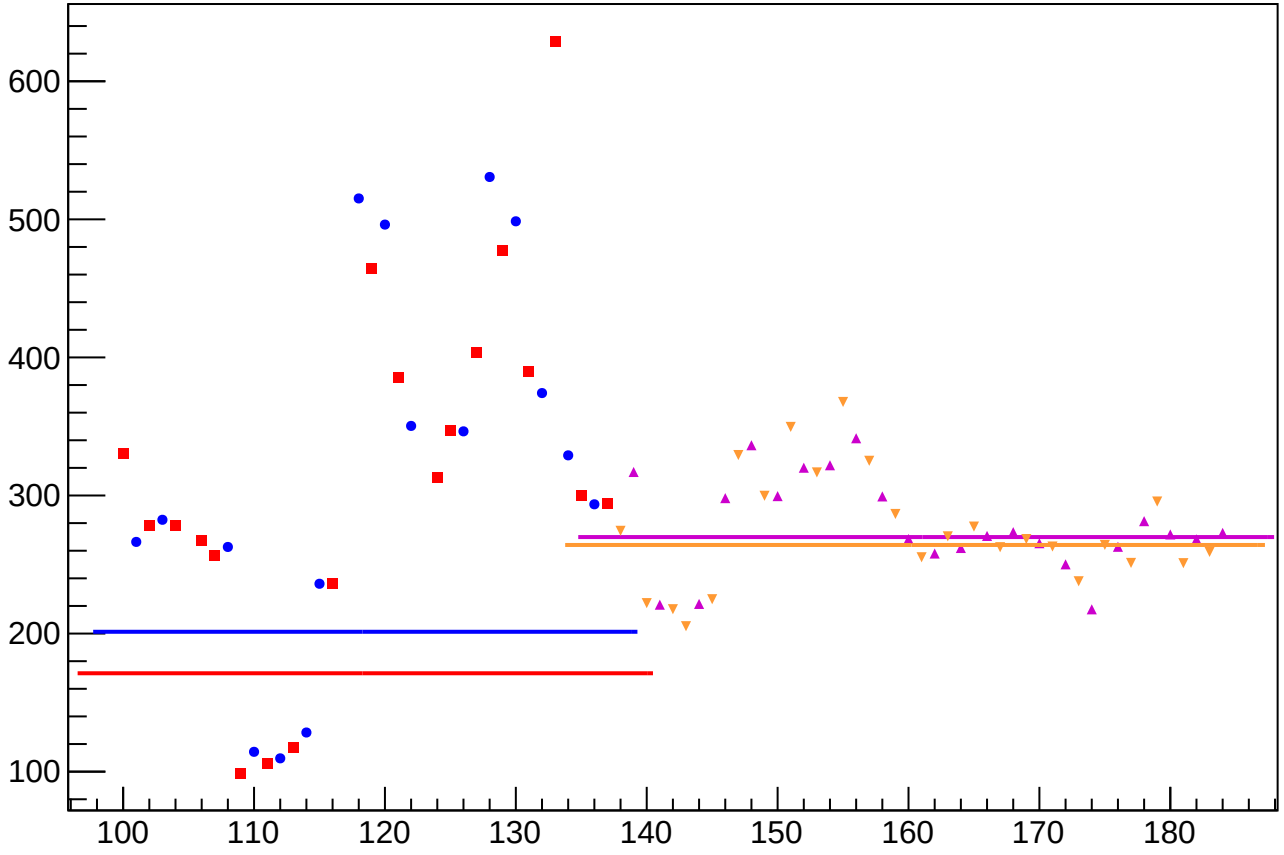
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 48.682+/-50.041 χ^2/NDF: 69.2/39

All: 127.944+/-34.801 χ^2/NDF: 118.8/81

\- sign 202.190+/-48.432 χ^2/NDF: 44.7/41

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

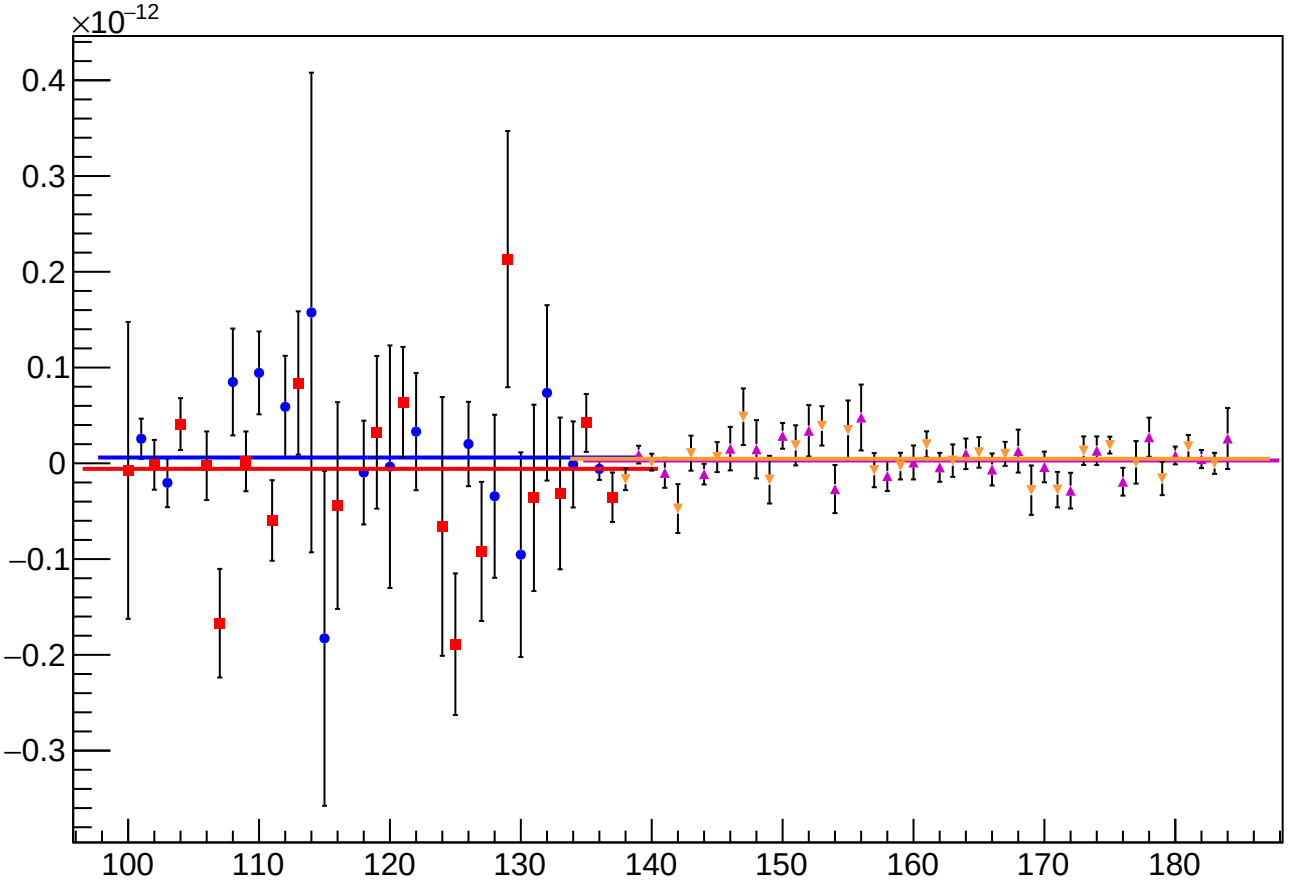
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 243.318+/-0.035 χ^2/NDF: 5041787.8/39

All: 235.572+/-0.025 χ^2/NDF: 11952553.2/81

- sign 228.317+/-0.034 χ^2/NDF: 6817974.3/41

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

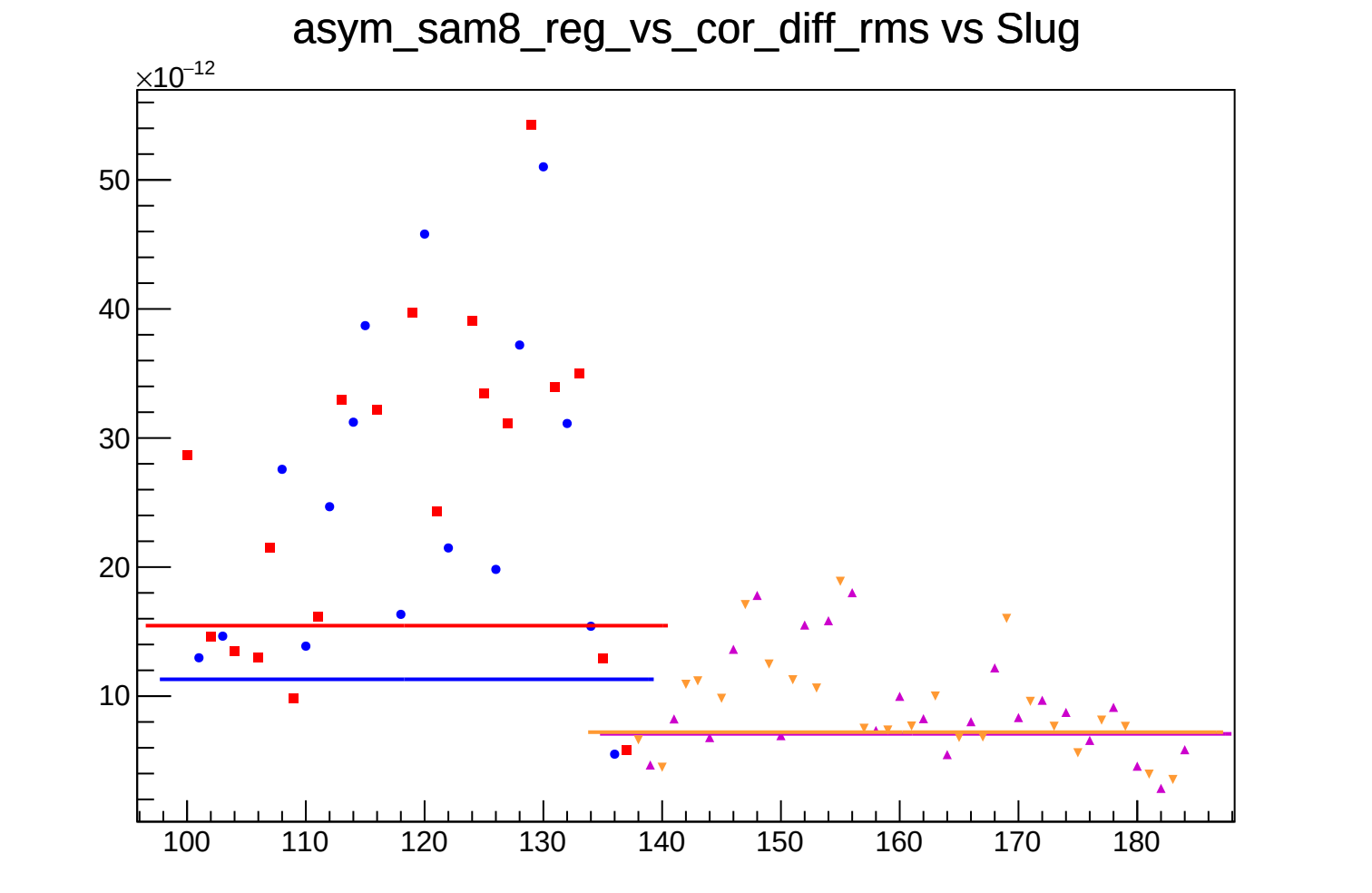
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

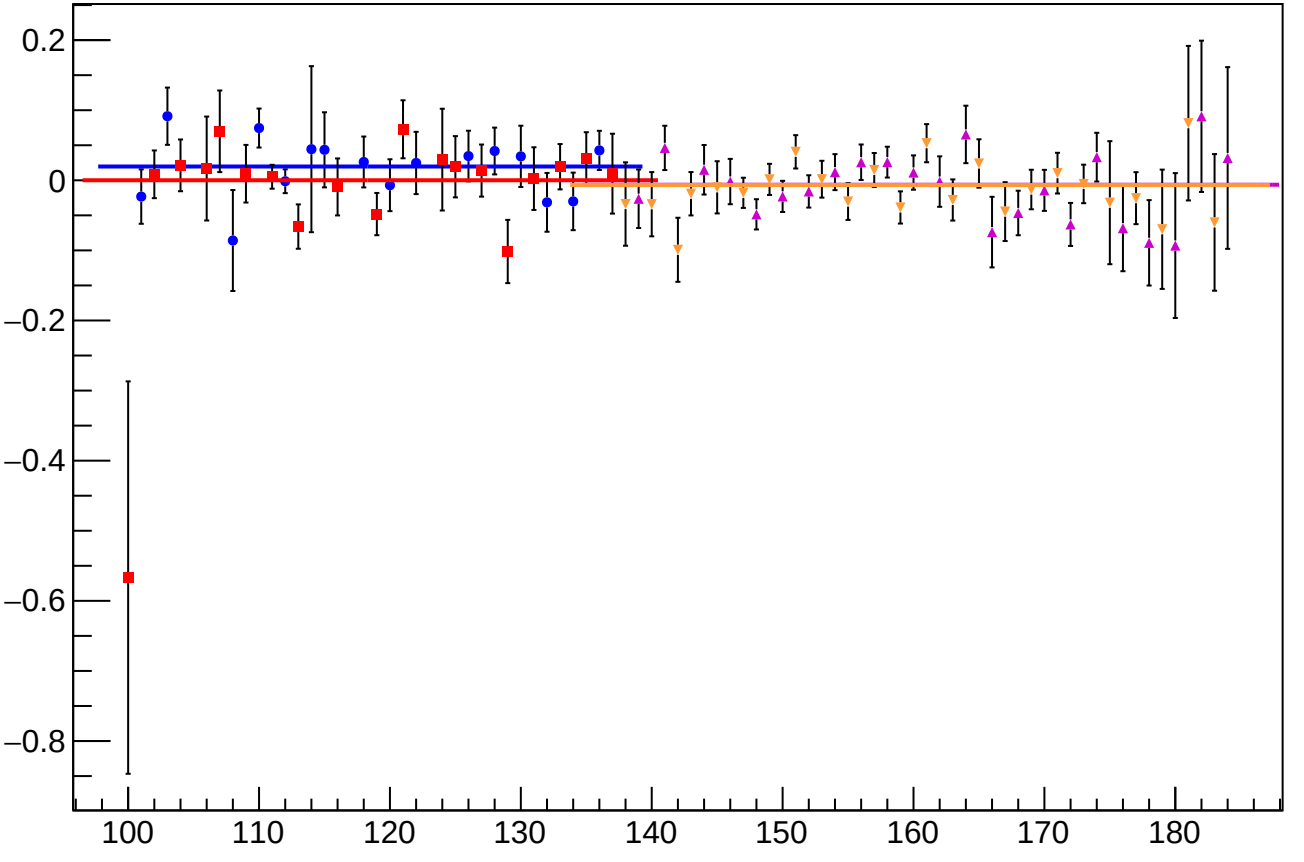
+ sign 0.000+/-0.000 χ^2/NDF: 41.7/39

All: 0.000+/-0.000 χ^2/NDF: 94.8/81

- sign 0.000+/-0.000 χ^2/NDF: 52.7/41


asym_sam8_reg_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: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1890499.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:2053049.9/22
+ sign 0.000+/-0.000 χ²/NDF: 4112063.3/39
All: 0.000+/-0.000 χ²/NDF: 8843230.1/81
- sign 0.000+/-0.000 χ²/NDF: 4729682.5/41

asym_sam8_dit_vs_cor_diff_mean vs Slug



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

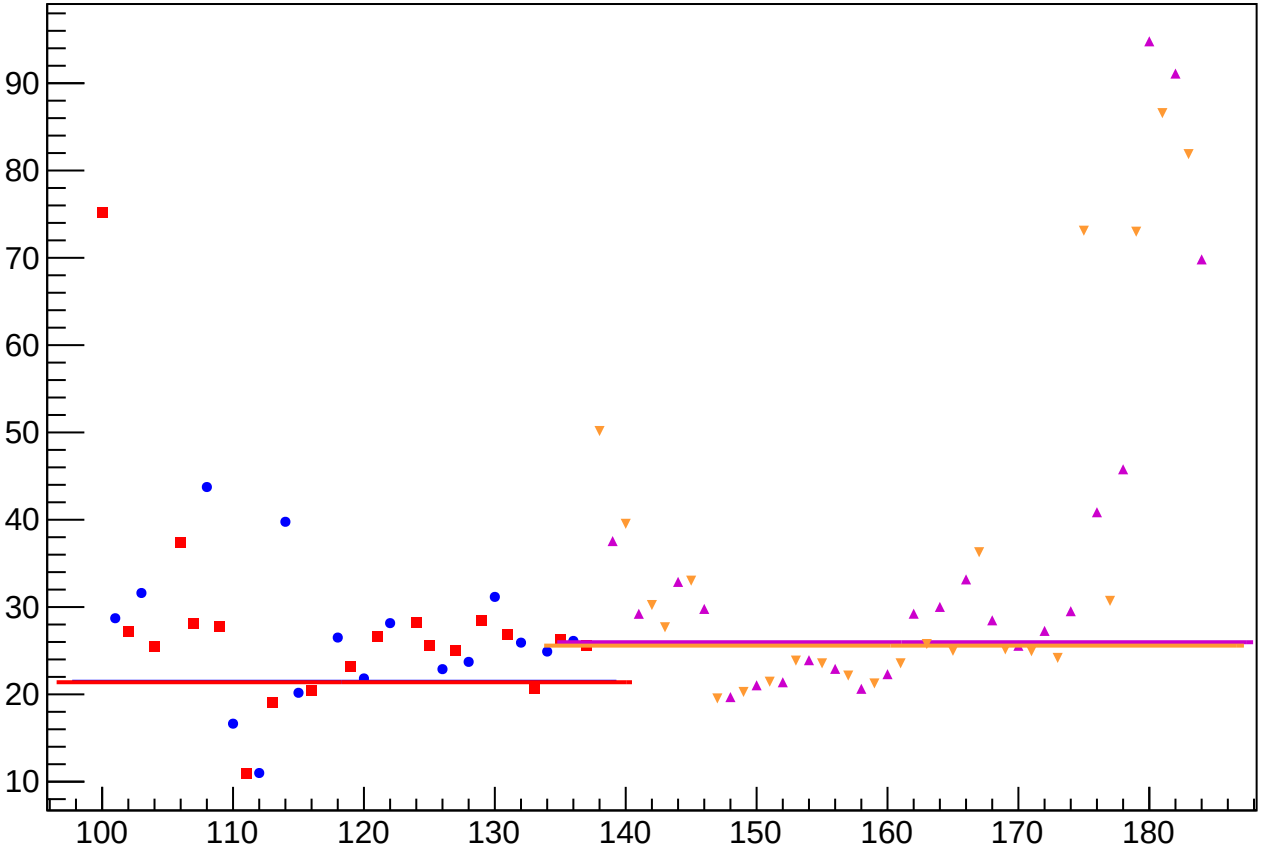
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.0/39

All: -0.001+/-0.004 χ^2/NDF: 97.4/81

- sign -0.004+/-0.005 χ^2/NDF: 51.6/41

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

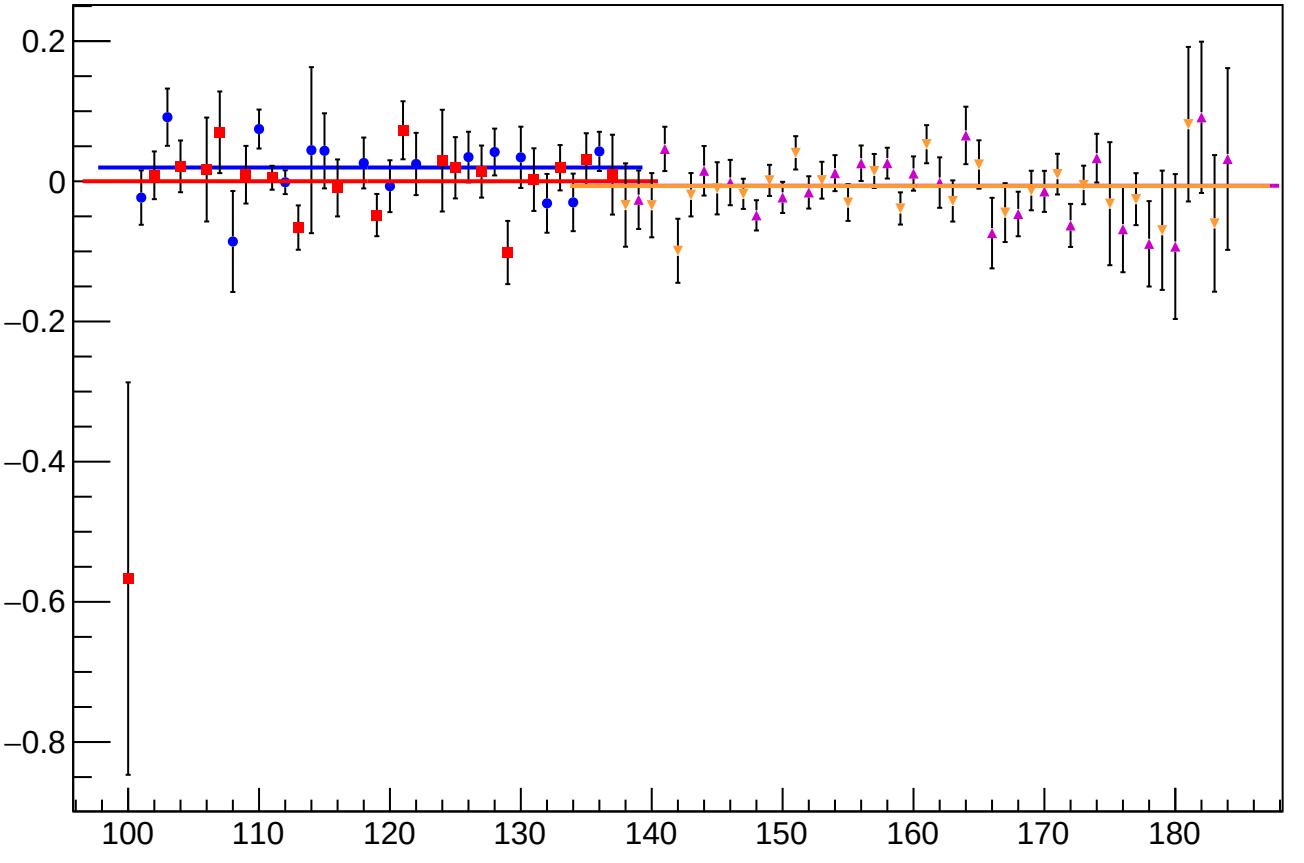
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 24.123+/-0.004 χ^2/NDF: 5608406.3/39

All: 24.181+/-0.003 χ^2/NDF: 10400380.5/81

\- sign 24.241+/-0.004 χ^2/NDF: 4791456.1/41

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



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

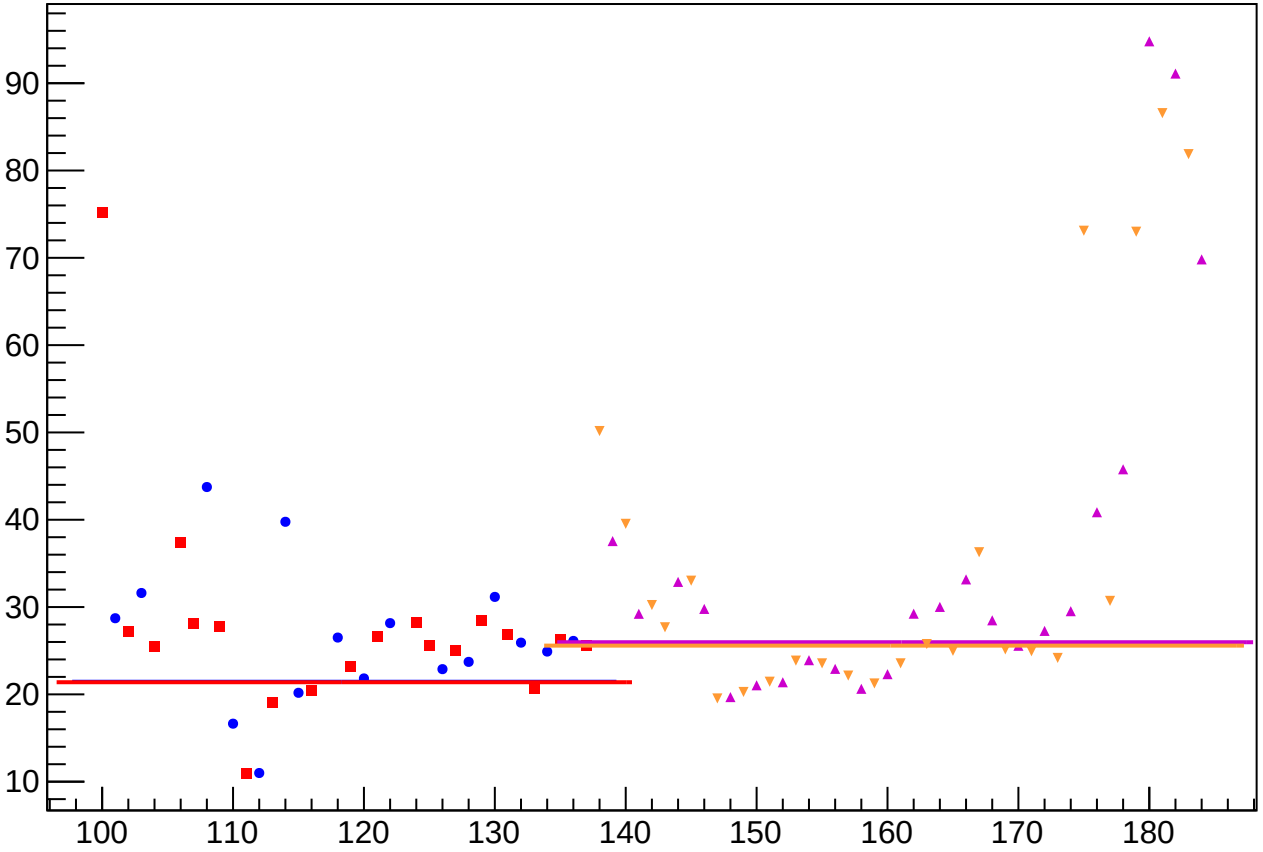
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.0/39

All: -0.001+/-0.004 χ^2/NDF: 97.4/81

- sign -0.004+/-0.005 χ^2/NDF: 51.6/41

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

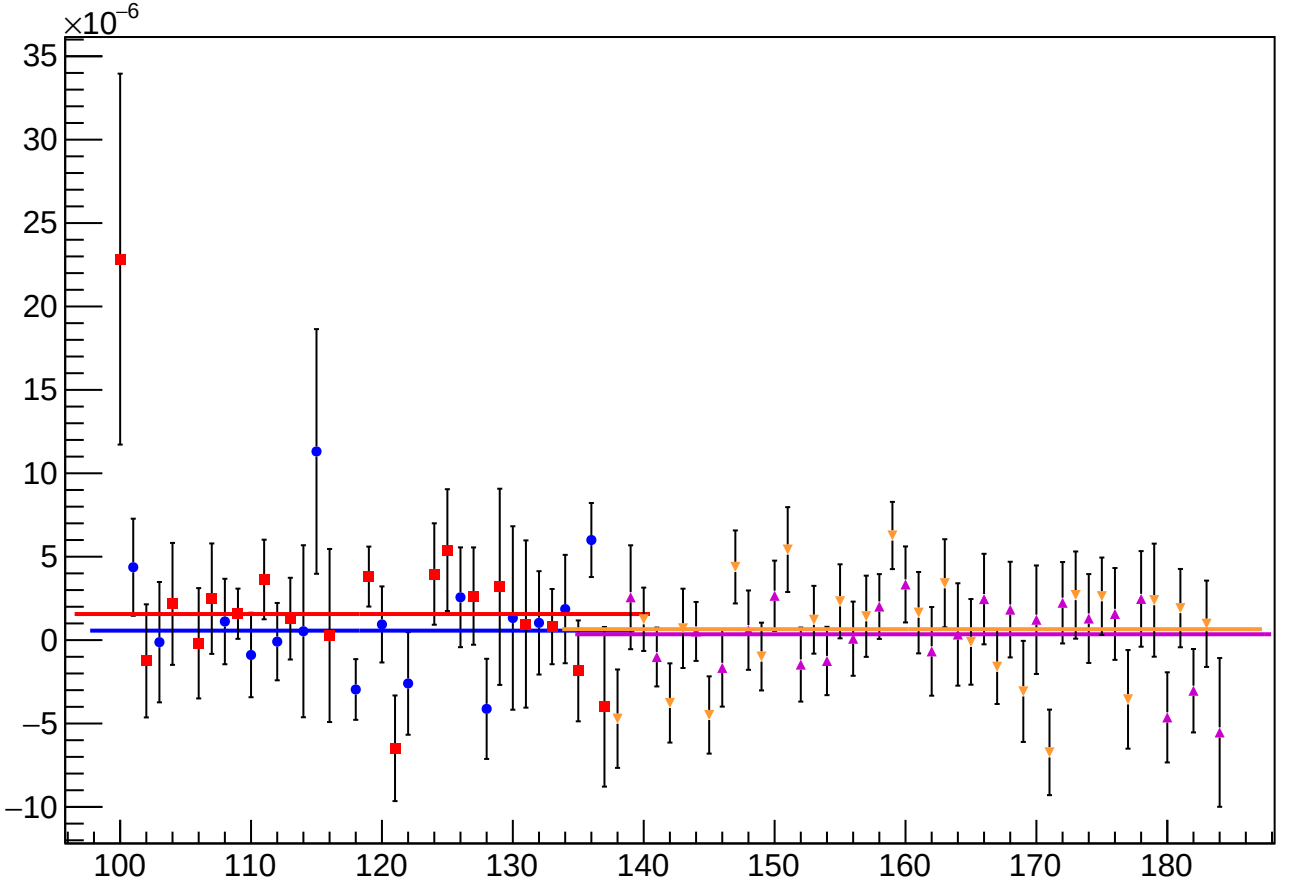
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.123+/-0.004 χ^2/NDF: 5608406.3/39

All: 24.181+/-0.003 χ^2/NDF: 10400380.5/81

- sign 24.241+/-0.004 χ^2/NDF: 4791456.1/41

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

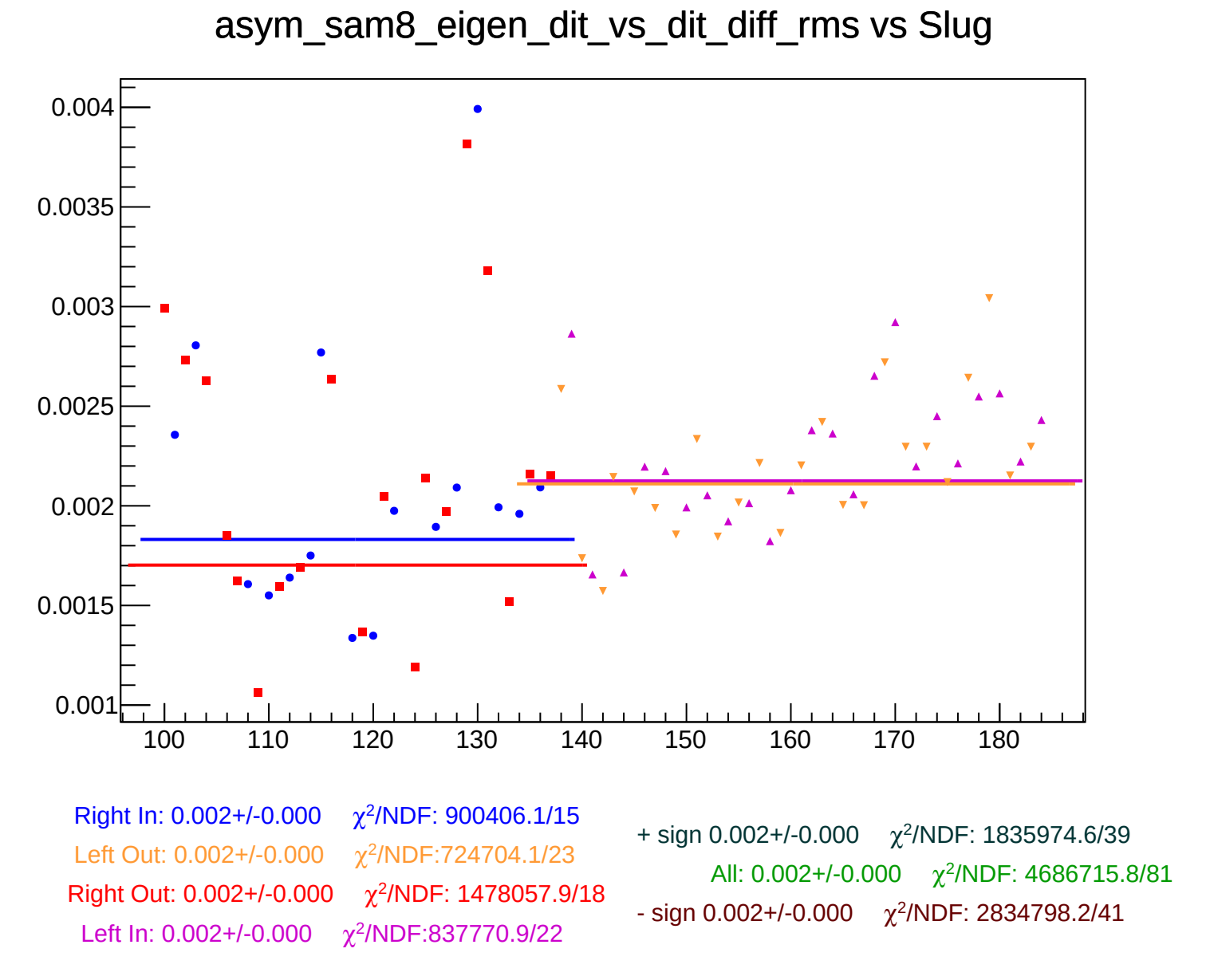
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

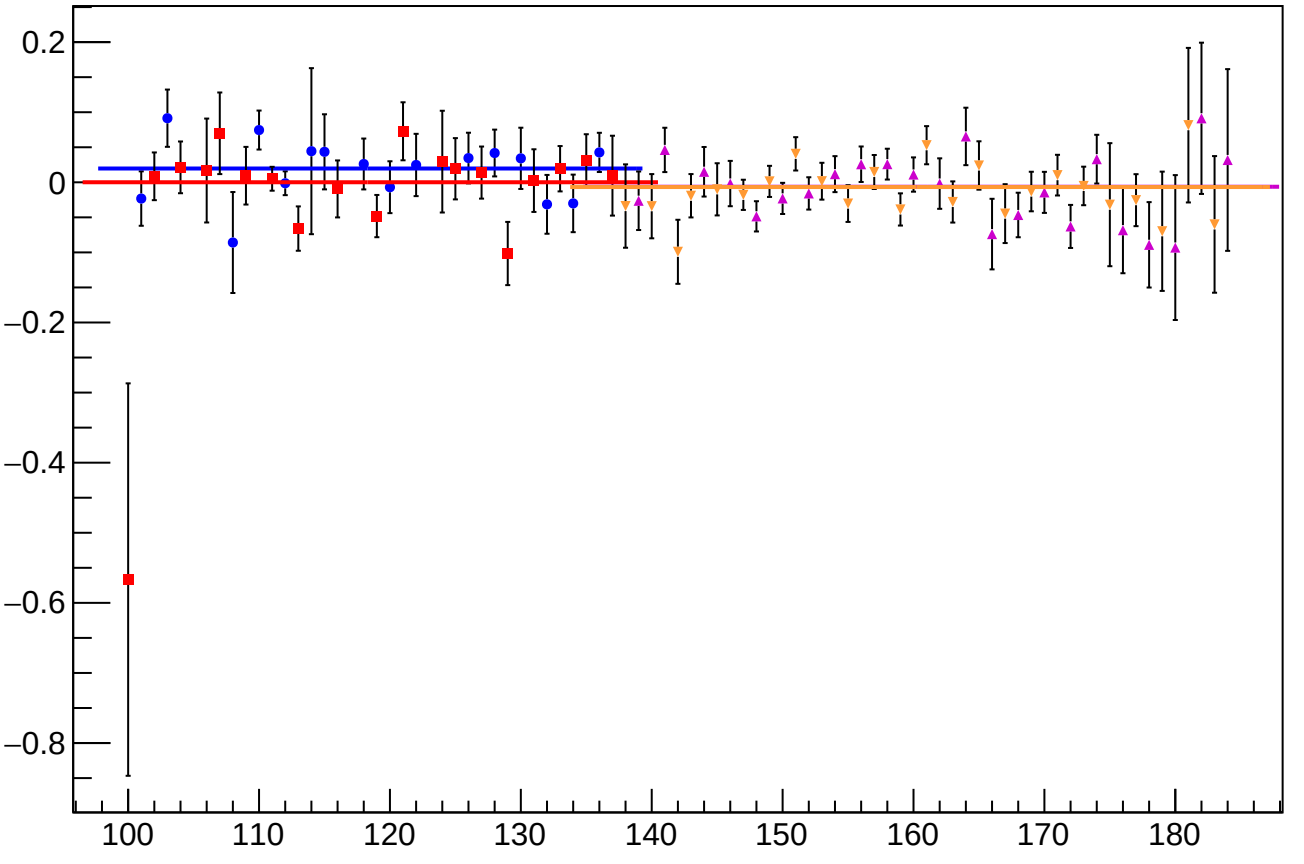
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.8/39

All: 0.000+/-0.000 χ^2/NDF: 98.6/81

- sign 0.000+/-0.000 χ^2/NDF: 36.8/41


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
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: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:724704.1/23
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
+ sign 0.002+/-0.000 χ²/NDF: 1835974.6/39
All: 0.002+/-0.000 χ²/NDF: 4686715.8/81
- sign 0.002+/-0.000 χ²/NDF: 2834798.2/41



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

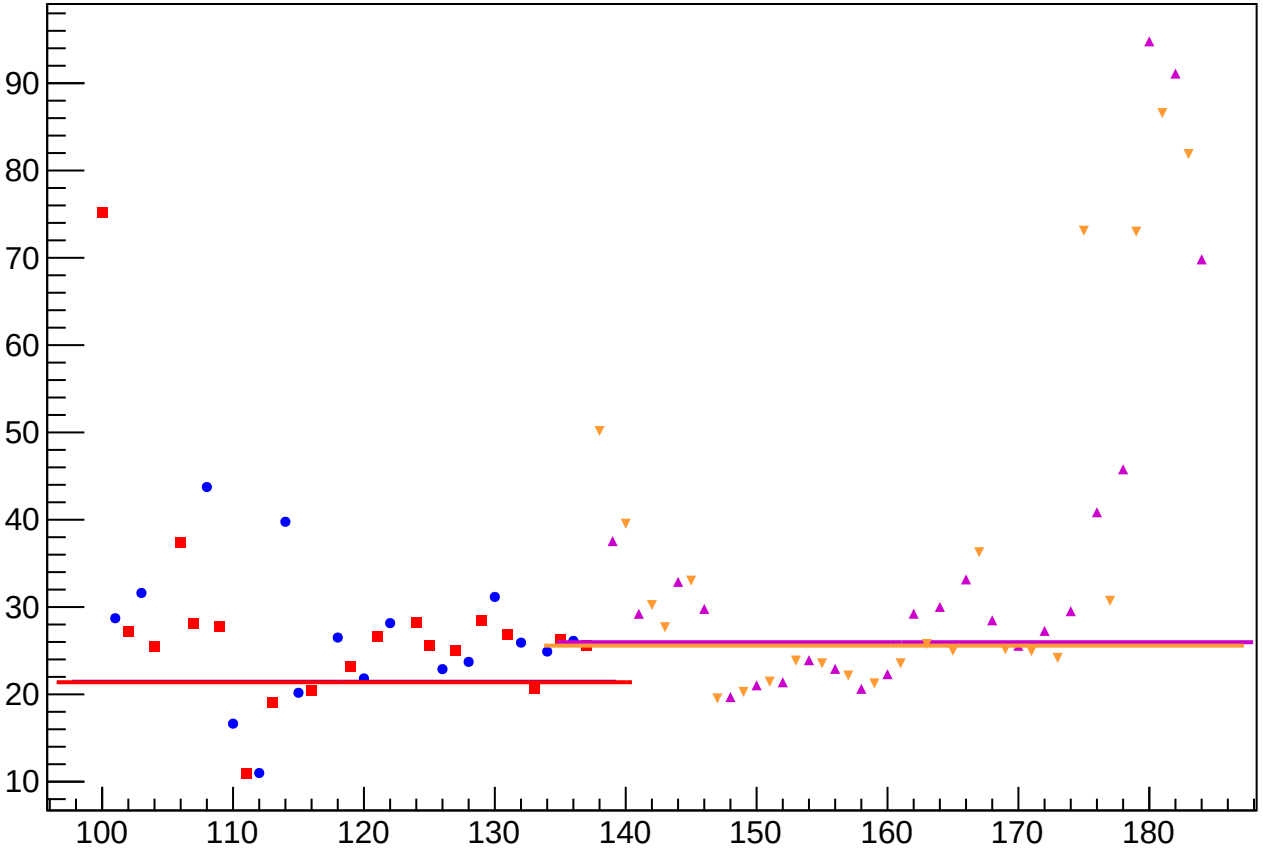
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.0/39

All: -0.001+/-0.004 χ^2/NDF: 97.4/81

- sign -0.004+/-0.005 χ^2/NDF: 51.6/41

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

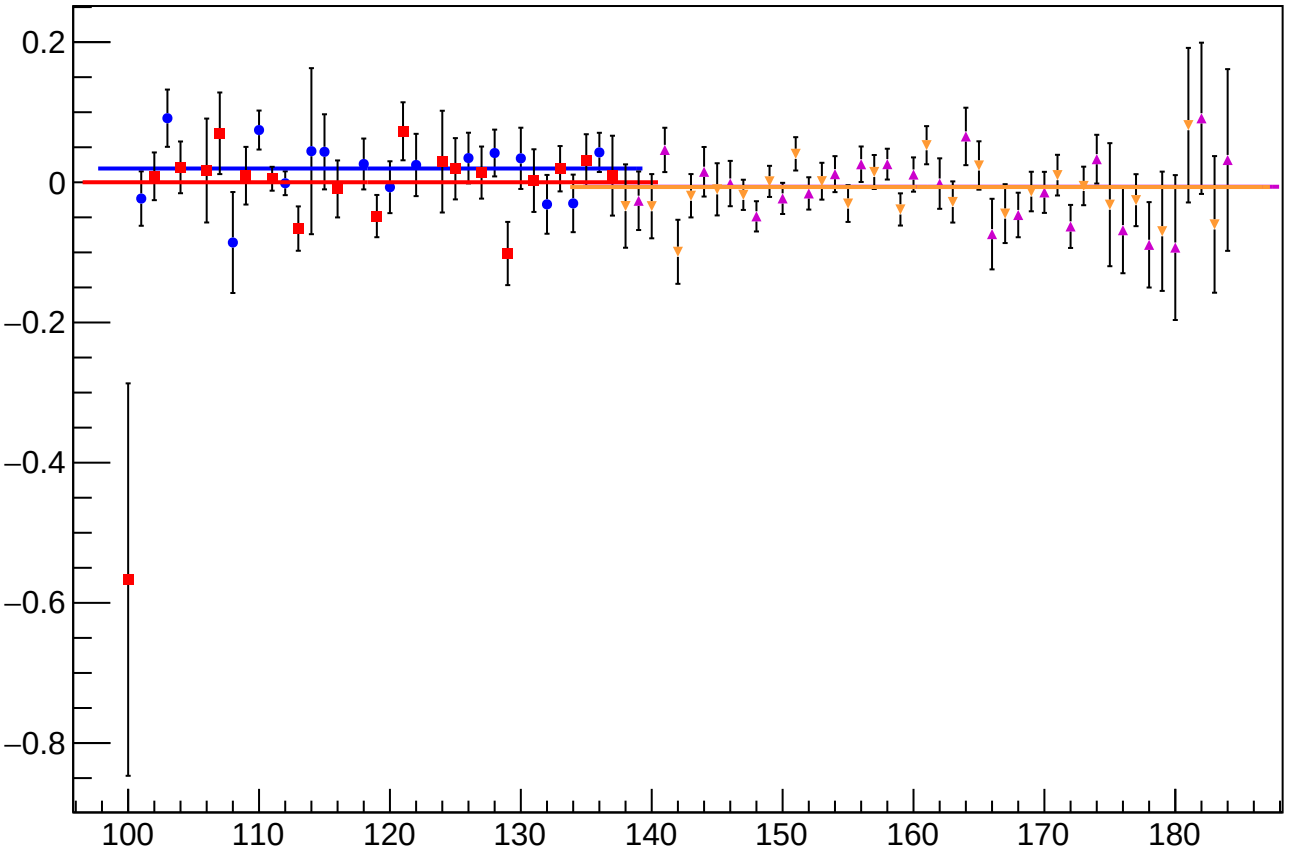
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

\+ sign 24.123+/-0.004 χ^2/NDF: 5608674.7/39

All: 24.181+/-0.003 χ^2/NDF: 10400884.6/81

\- sign 24.241+/-0.004 χ^2/NDF: 4791691.8/41



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:22.0/23

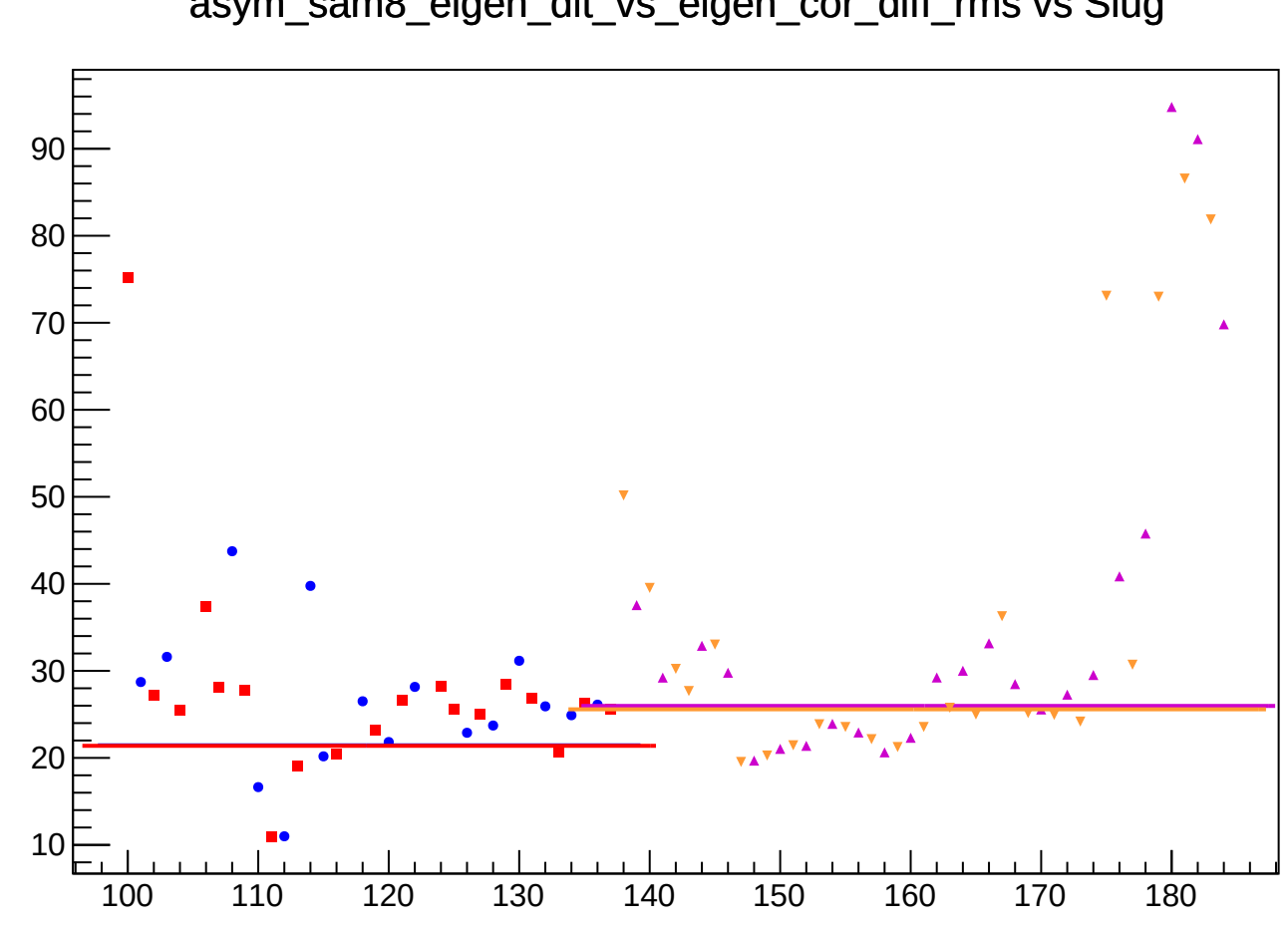
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.0/39

All: -0.001+/-0.004 χ^2/NDF: 97.4/81

- sign -0.004+/-0.005 χ^2/NDF: 51.6/41



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.583+/-0.005 χ^2/NDF:3773612.3/23

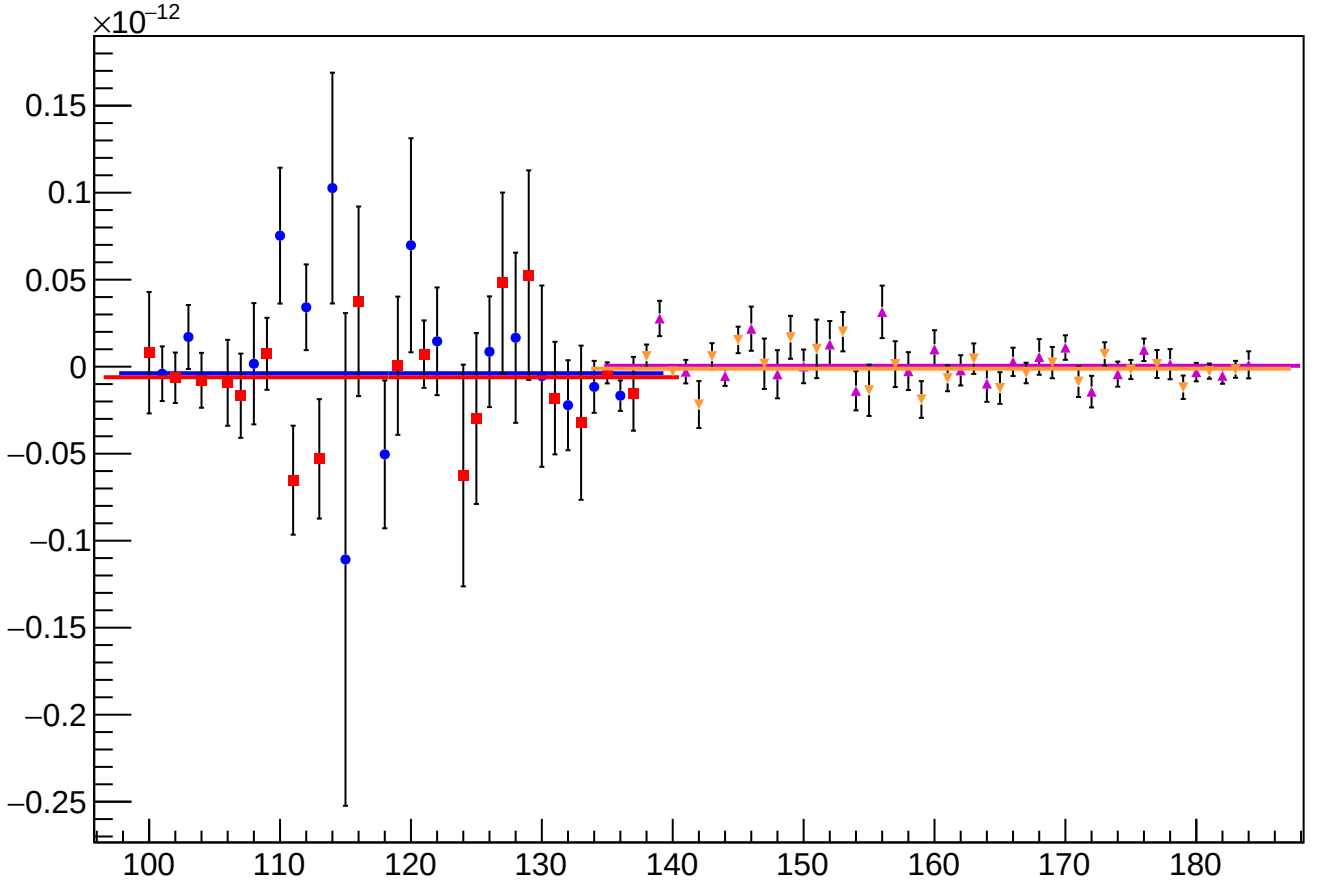
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.123+/-0.004 χ^2/NDF: 5608674.7/39

All: 24.181+/-0.003 χ^2/NDF: 10400884.6/81

- sign 24.241+/-0.004 χ^2/NDF: 4791691.8/41



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

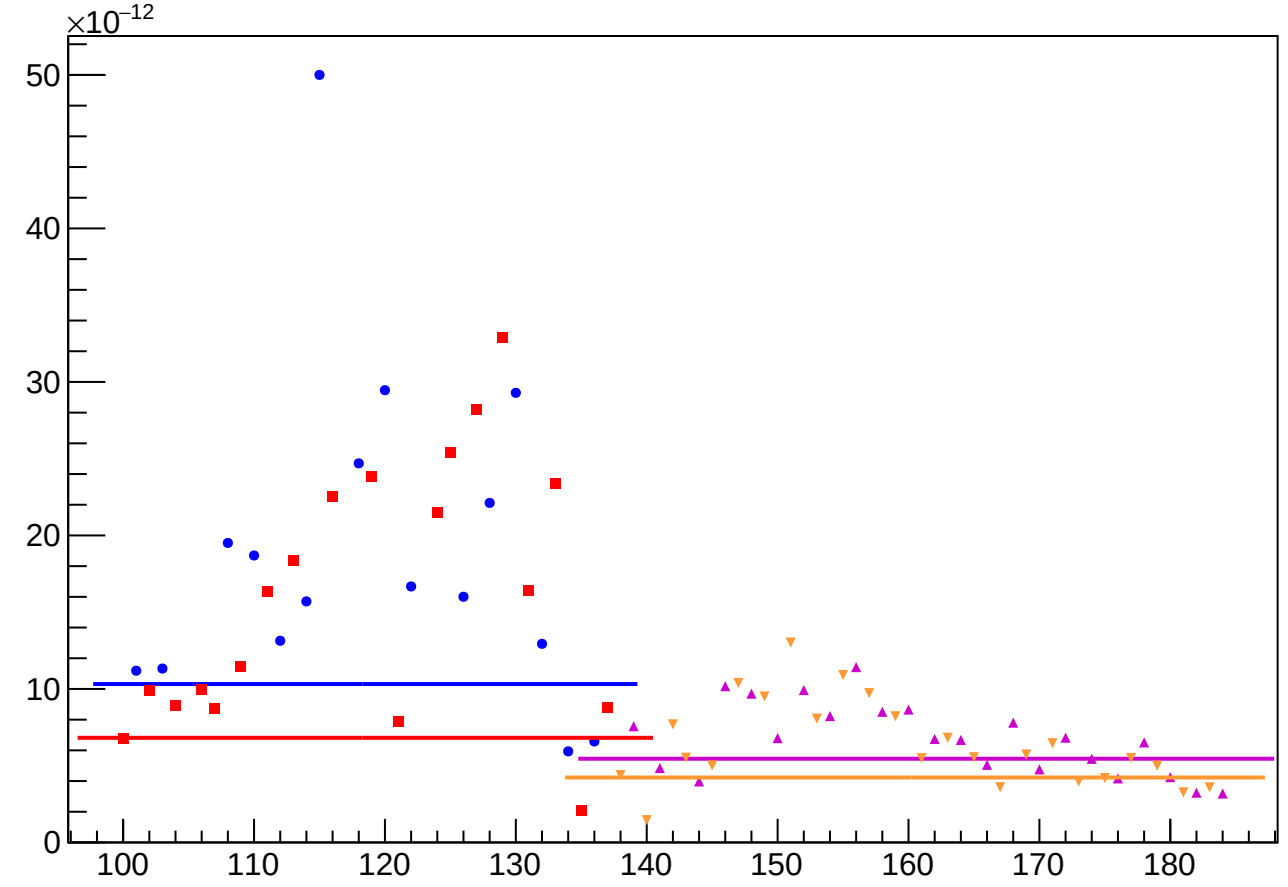
Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/39

All: -0.000+/-0.000 χ^2/NDF: 87.5/81

- sign -0.000+/-0.000 χ^2/NDF: 43.0/41

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

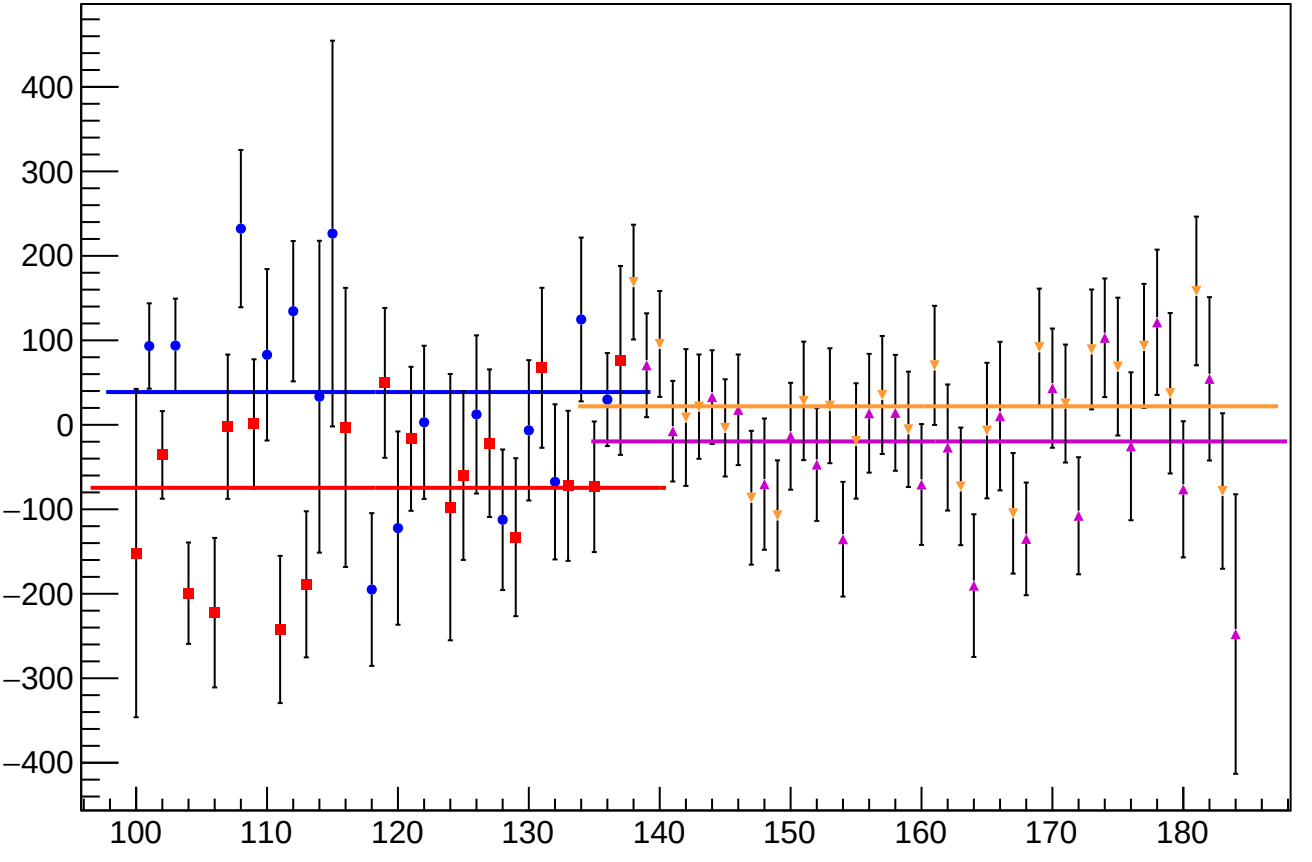
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9570871.9/39

All: 0.000+/-0.000 χ^2/NDF: 17070169.2/81

- sign 0.000+/-0.000 χ^2/NDF: 7005237.2/41

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

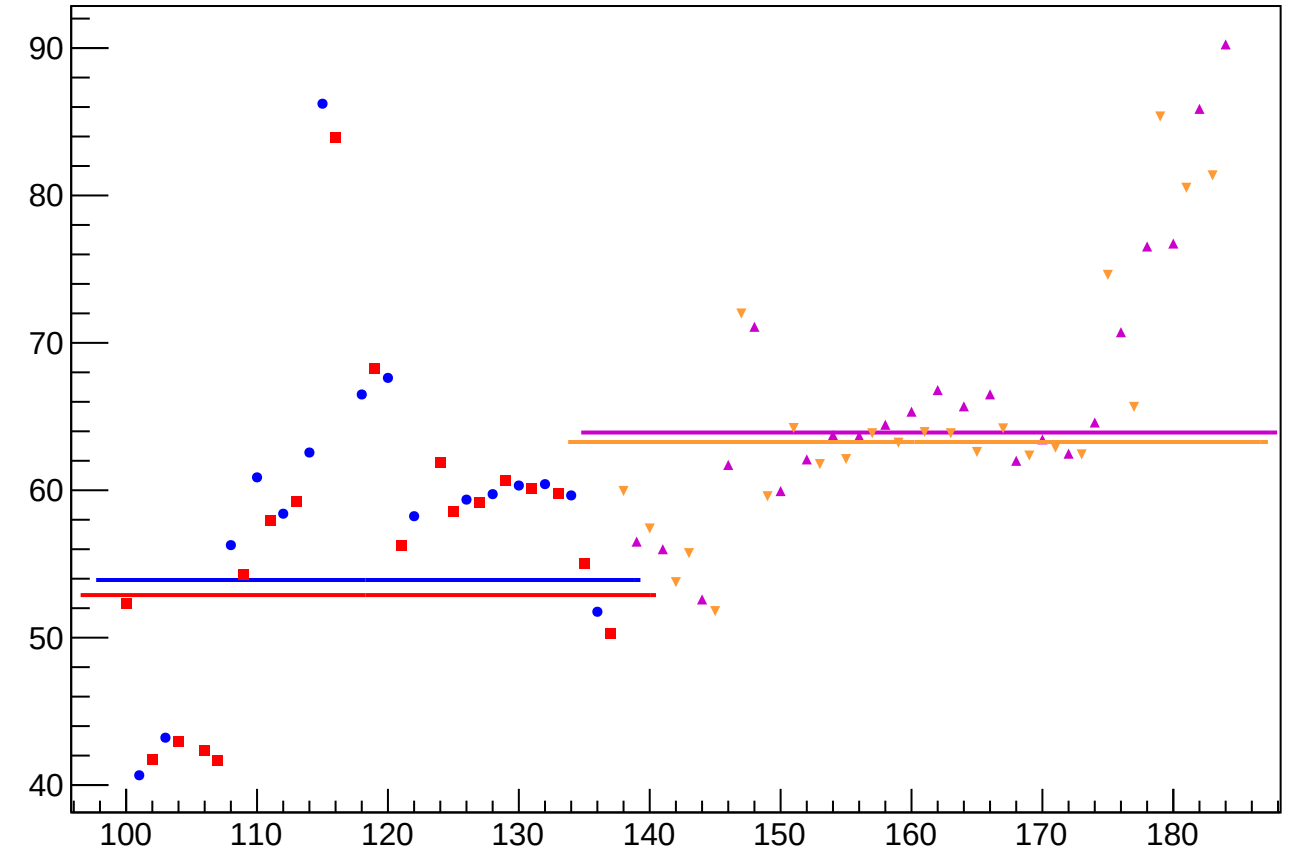
Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 27.626+/-11.868 χ^2/NDF: 48.8/39

All: -5.748+/-8.430 χ^2/NDF: 118.4/81

- sign -39.740+/-11.977 χ^2/NDF: 53.6/41



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

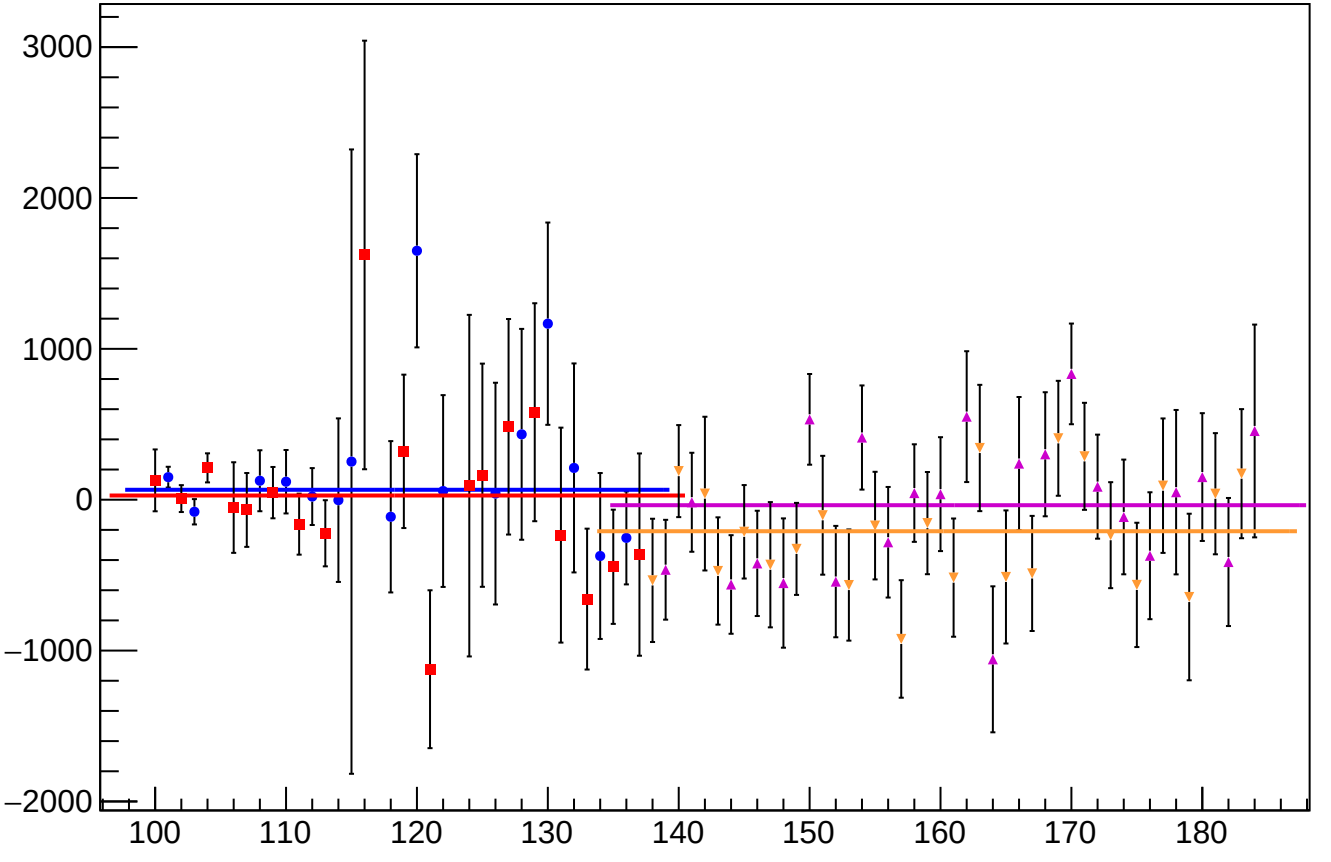
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.110+/-0.008 χ^2/NDF: 1168102.2/39

All: 59.998+/-0.006 χ^2/NDF: 2432472.5/81

- sign 59.883+/-0.008 χ^2/NDF: 1264008.2/41

asym_sam_15_avg_reg_correction_mean vs Slug



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

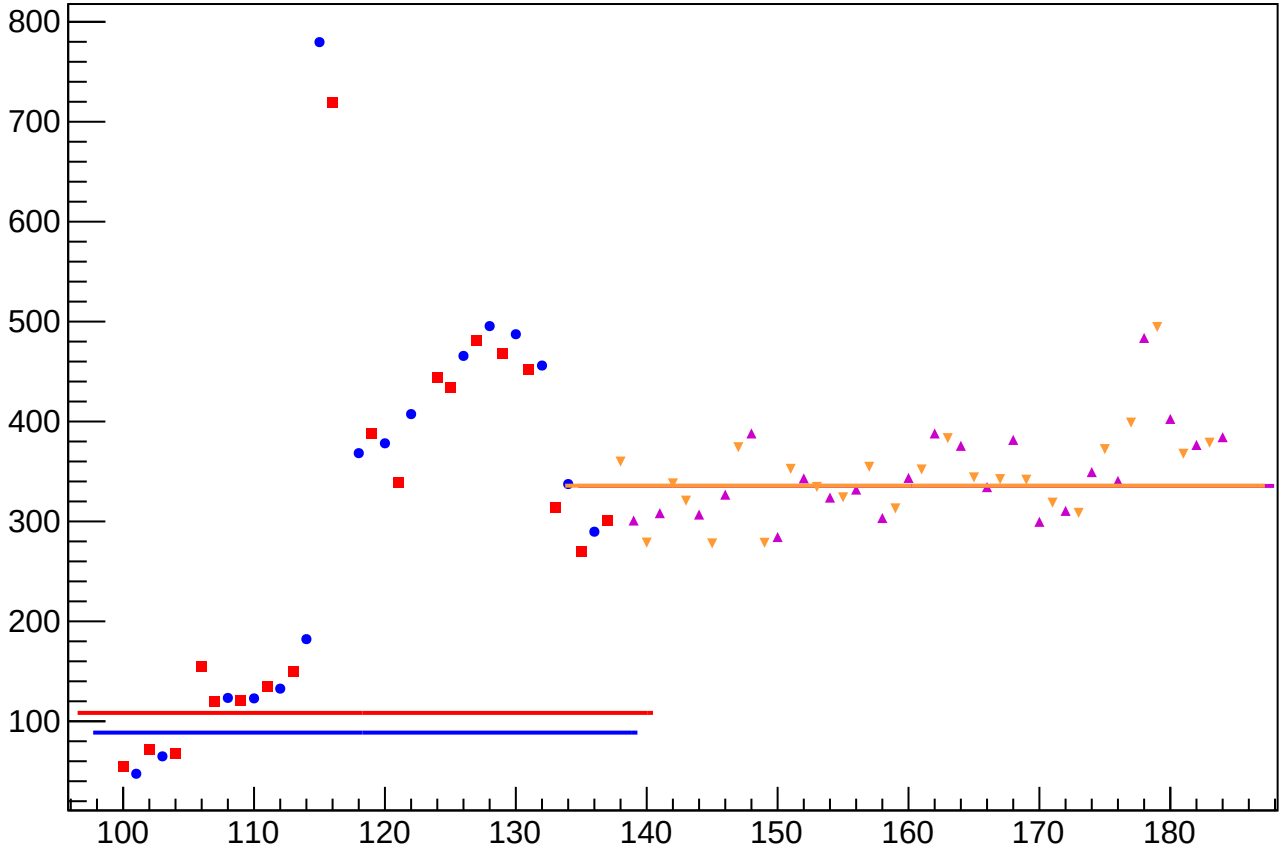
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

\+ sign -6.507+/-39.891 χ^2/NDF: 43.8/39

All: 0.945+/-29.072 χ^2/NDF: 93.5/81

\- sign 9.386+/-42.457 χ^2/NDF: 49.5/41

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

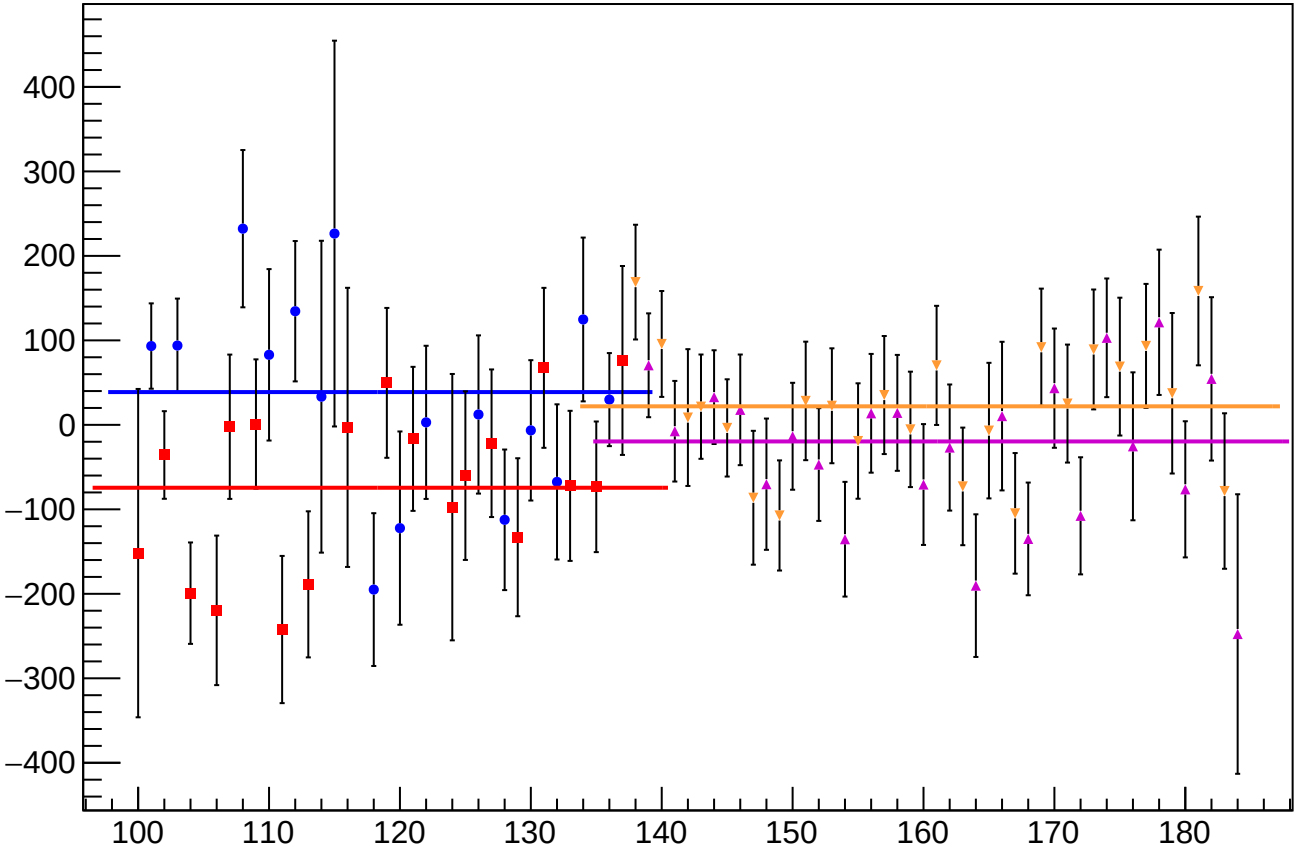
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 153.739+/-0.028 χ^2/NDF: 22095968.0/39

All: 163.071+/-0.021 χ^2/NDF: 39908555.7/81

- sign 173.643+/-0.030 χ^2/NDF: 17579125.9/41

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

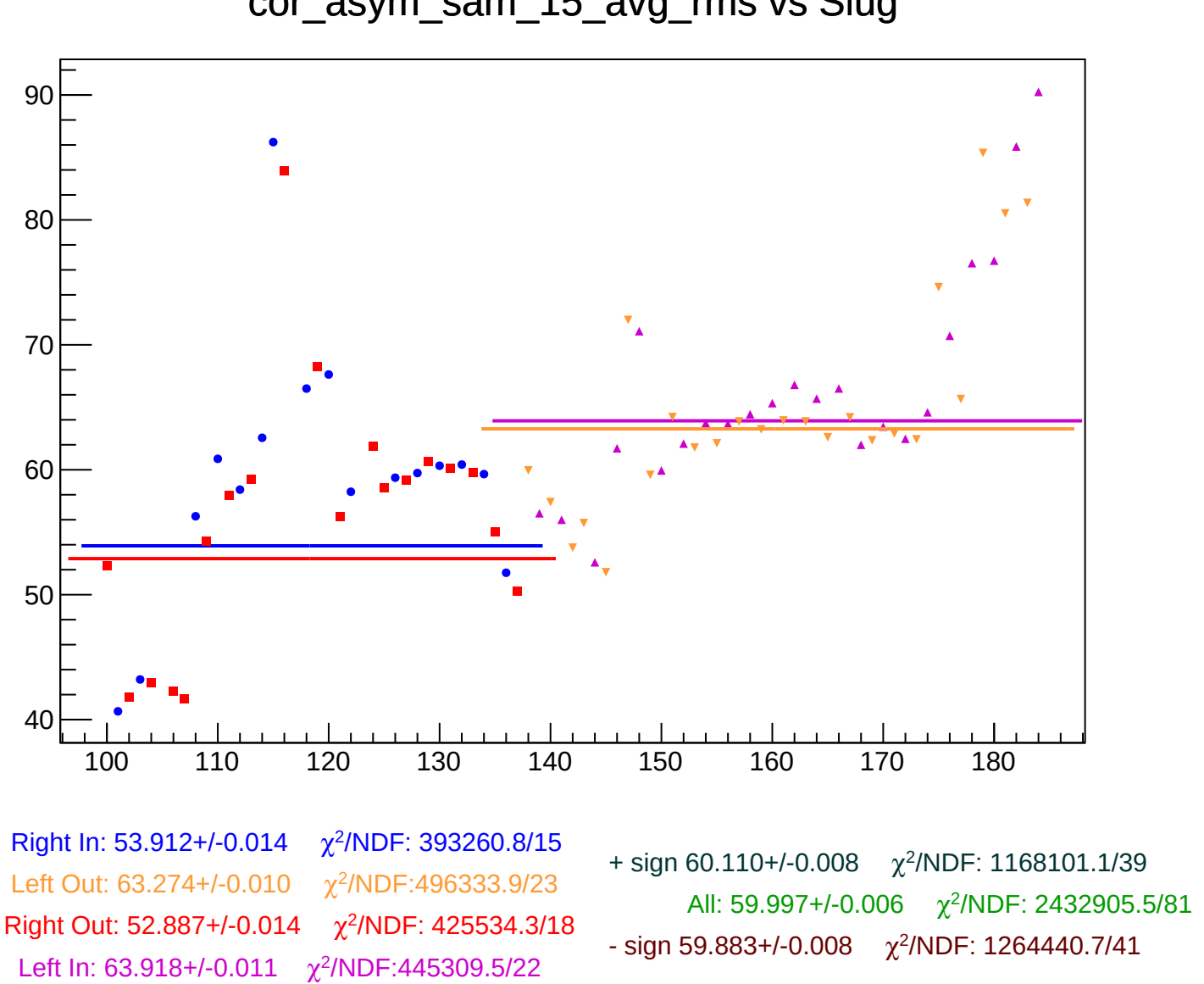
Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

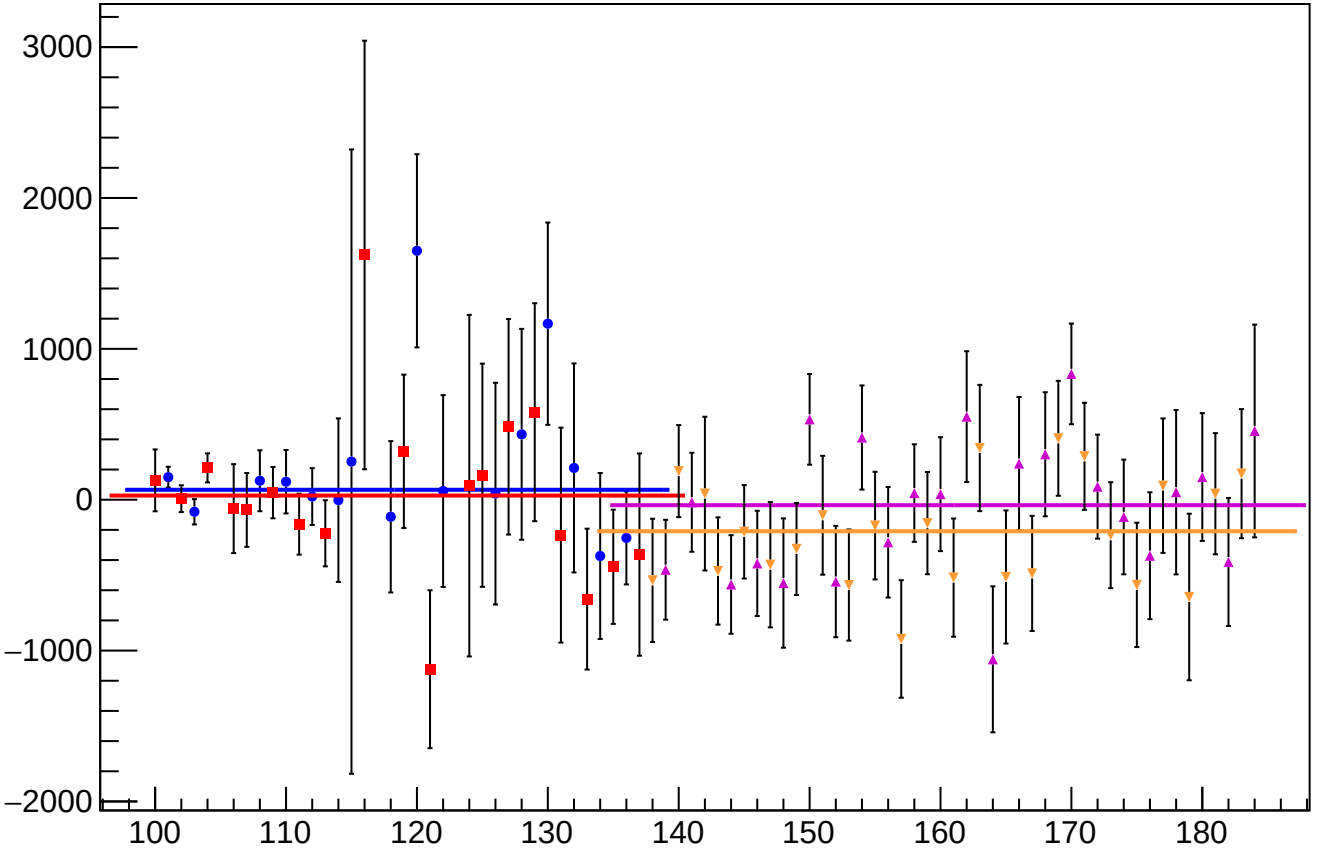
\+ sign 27.631+/-11.868 χ^2/NDF: 48.8/39

All: -5.719+/-8.430 χ^2/NDF: 118.2/81

\- sign -39.688+/-11.977 χ^2/NDF: 53.4/41


cor_asym_sam_15_avg_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
170
180
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 63.274+/-0.010 χ²/NDF:496333.9/23
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 63.918+/-0.011 χ²/NDF:445309.5/22
+ sign 60.110+/-0.008 χ²/NDF: 1168101.1/39
All: 59.997+/-0.006 χ²/NDF: 2432905.5/81
- sign 59.883+/-0.008 χ²/NDF: 1264440.7/41

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

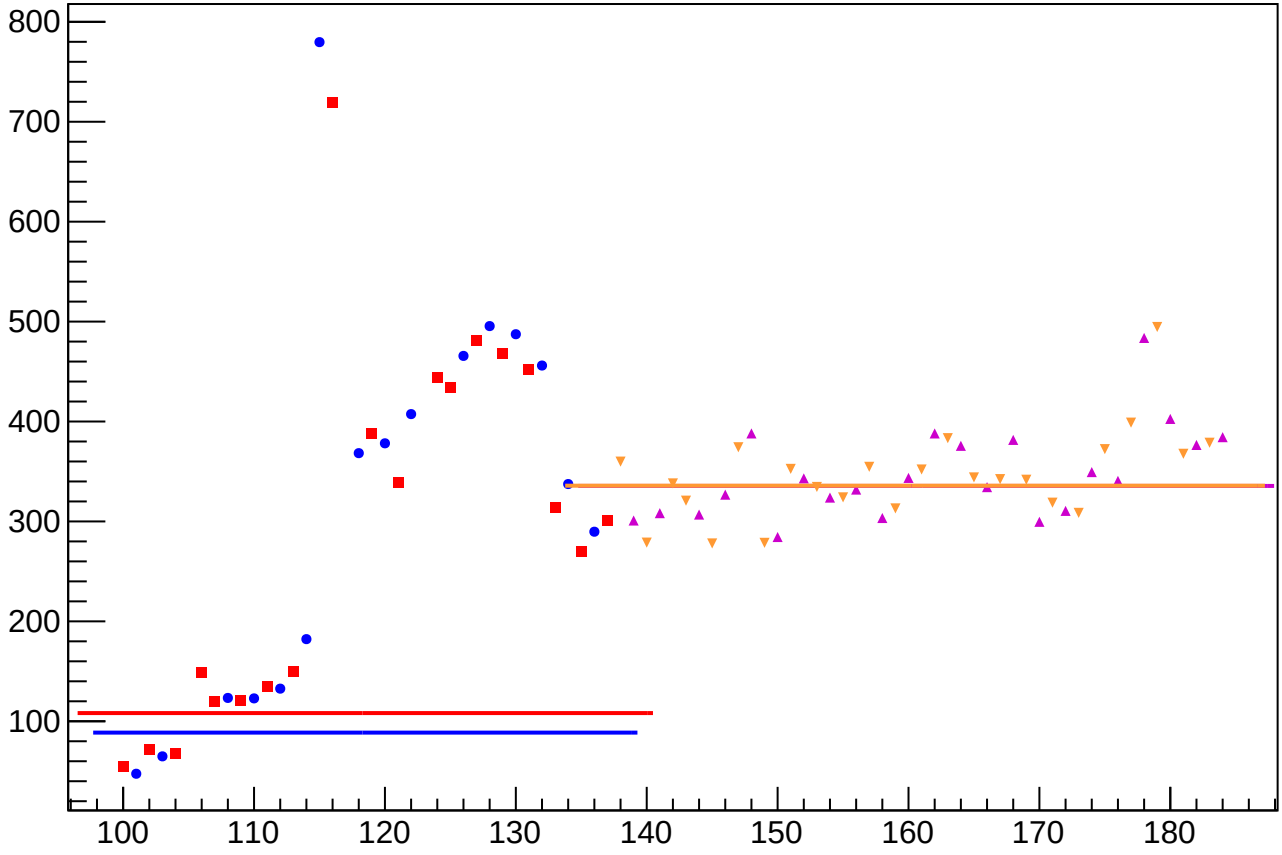
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -6.501+/-39.891 χ^2/NDF: 43.8/39

All: 0.815+/-29.063 χ^2/NDF: 93.5/81

- sign 9.093+/-42.431 χ^2/NDF: 49.6/41

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

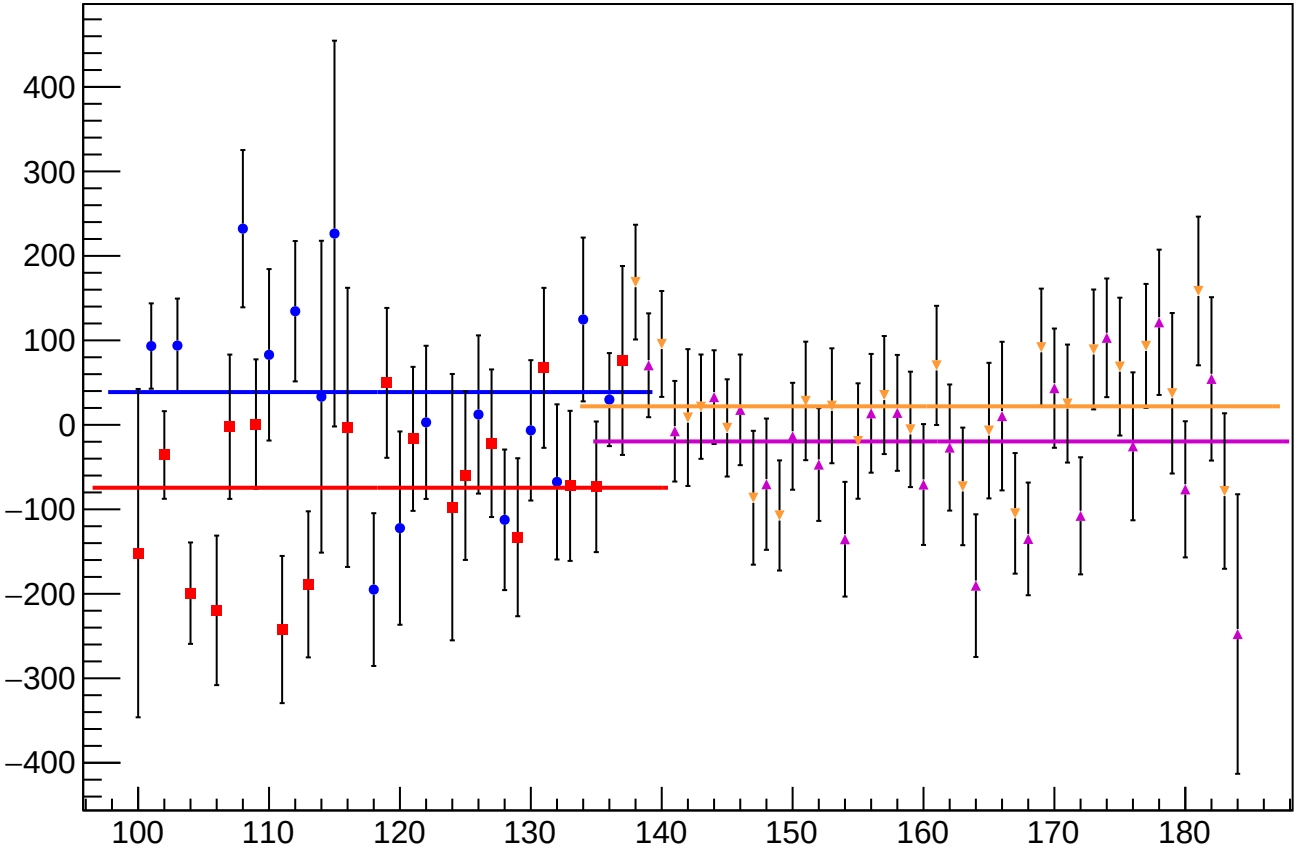
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 153.735+/-0.028 χ^2/NDF: 22096528.7/39

All: 162.978+/-0.021 χ^2/NDF: 39920734.0/81

- sign 173.436+/-0.030 χ^2/NDF: 17595318.3/41

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

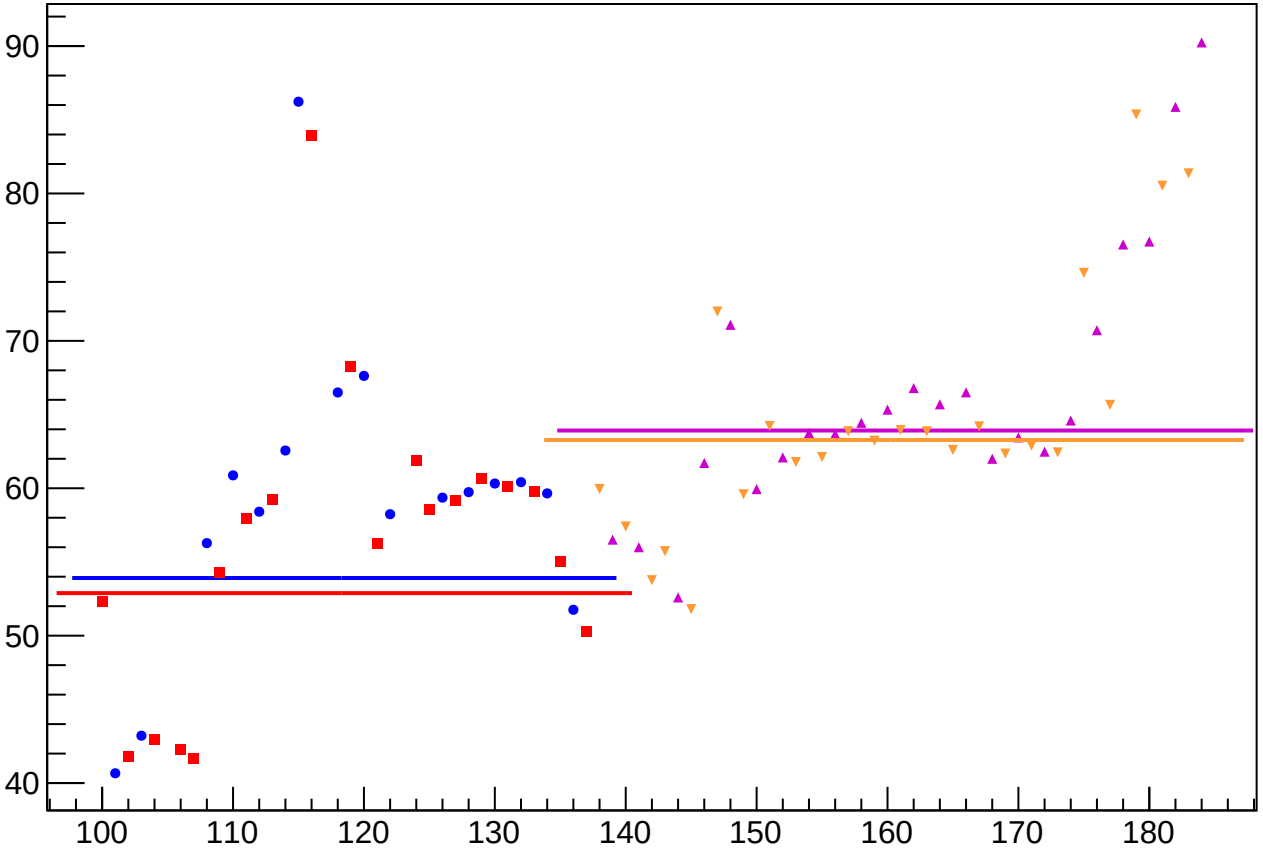
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

\+ sign 27.631+/-11.868 χ^2/NDF: 48.8/39

All: -5.719+/-8.430 χ^2/NDF: 118.2/81

\- sign -39.688+/-11.977 χ^2/NDF: 53.4/41

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

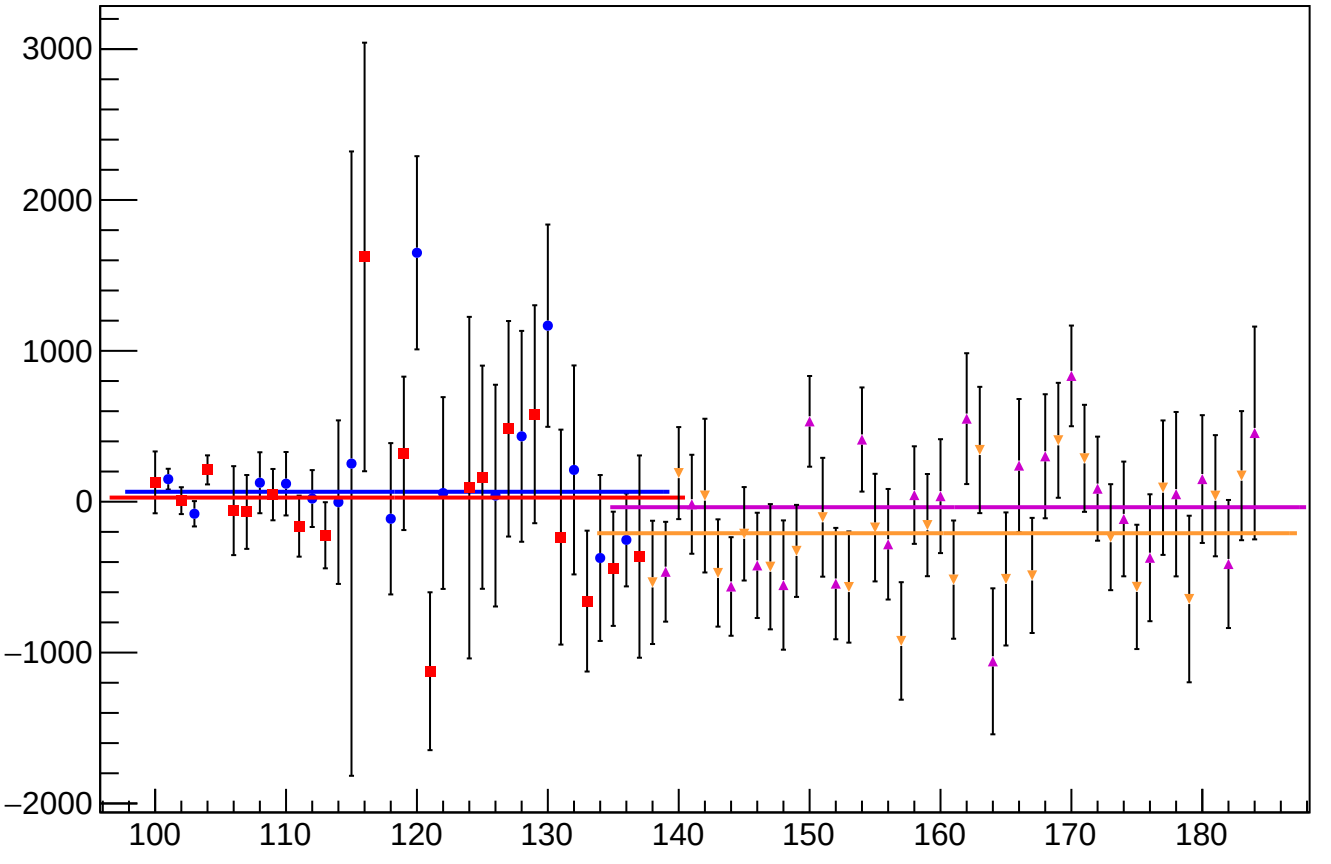
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.110+/-0.008 χ^2/NDF: 1168101.1/39

All: 59.997+/-0.006 χ^2/NDF: 2432905.5/81

- sign 59.883+/-0.008 χ^2/NDF: 1264440.7/41



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

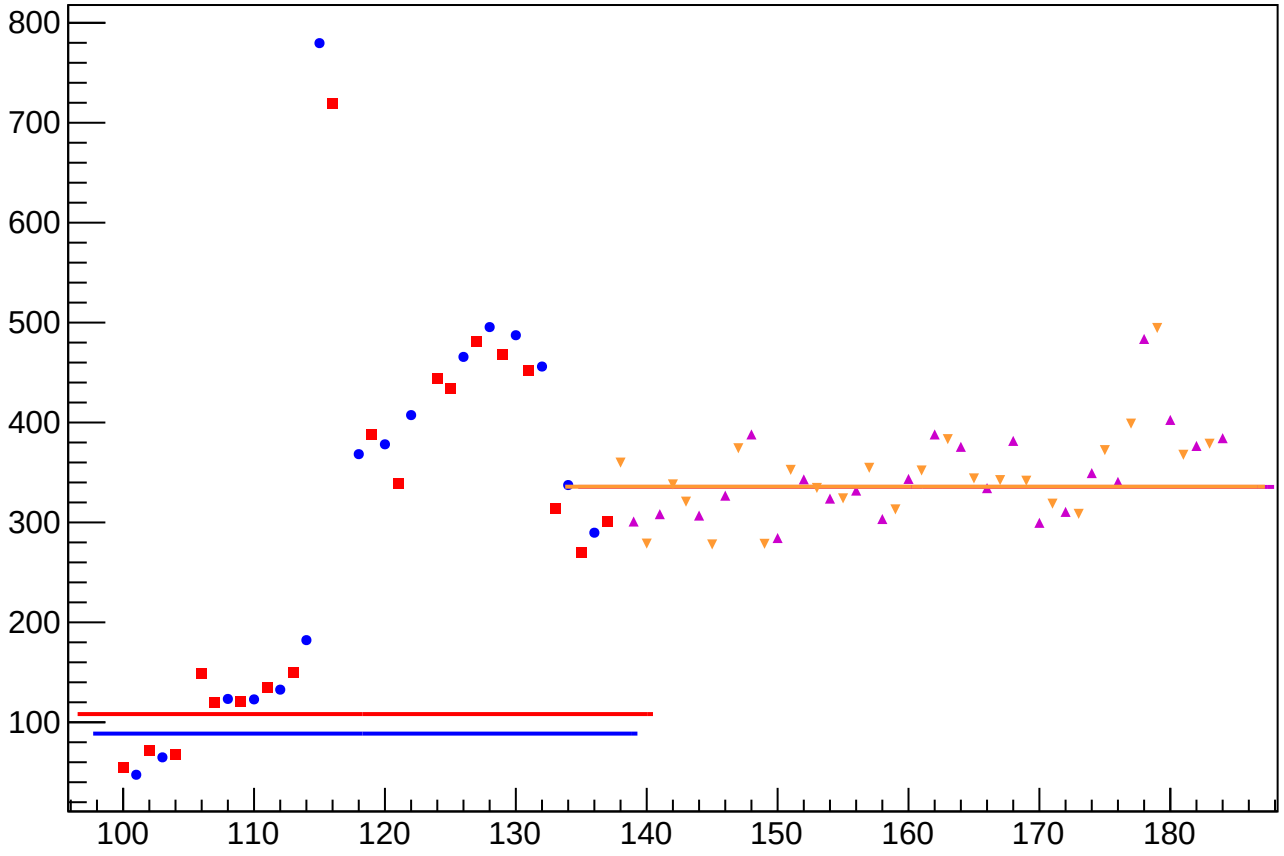
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -6.501+/-39.891 χ^2/NDF: 43.8/39

All: 0.815+/-29.063 χ^2/NDF: 93.5/81

- sign 9.093+/-42.431 χ^2/NDF: 49.6/41

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

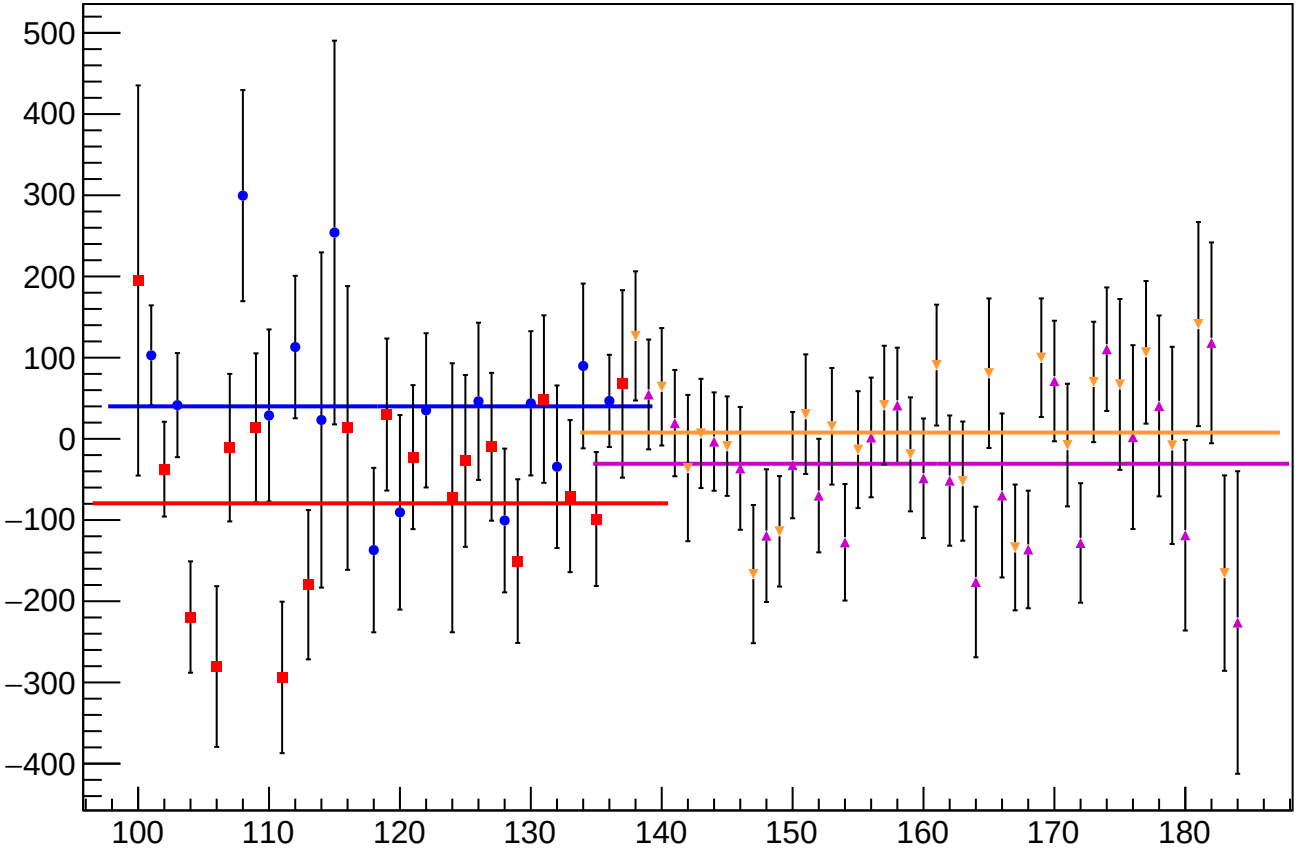
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

\+ sign 153.735+/-0.028 χ^2/NDF: 22096528.7/39

All: 162.978+/-0.021 χ^2/NDF: 39920734.0/81

\- sign 173.436+/-0.030 χ^2/NDF: 17595318.3/41

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

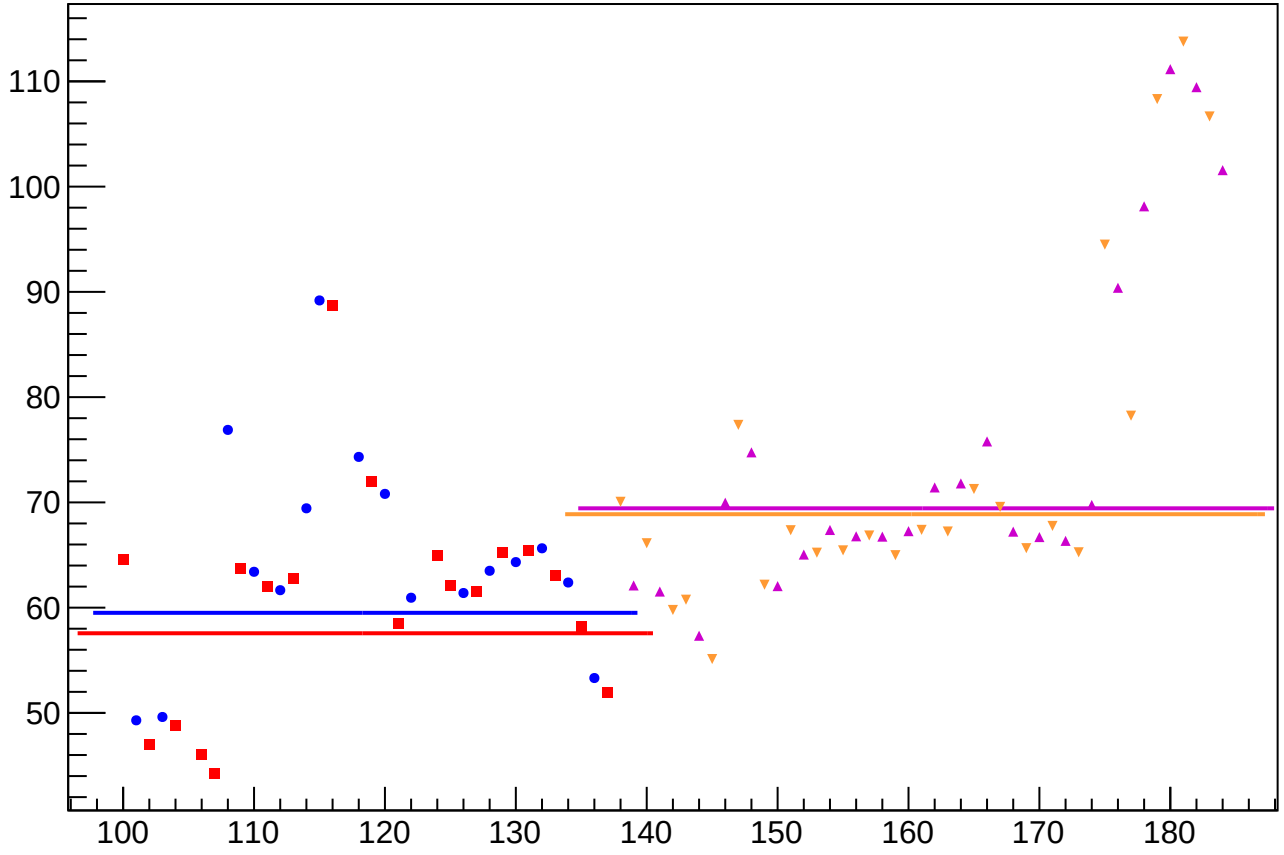
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 18.616+/-13.060 χ^2/NDF: 39.6/39

All: -14.888+/-9.252 χ^2/NDF: 103.3/81

- sign -48.642+/-13.108 χ^2/NDF: 50.5/41

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

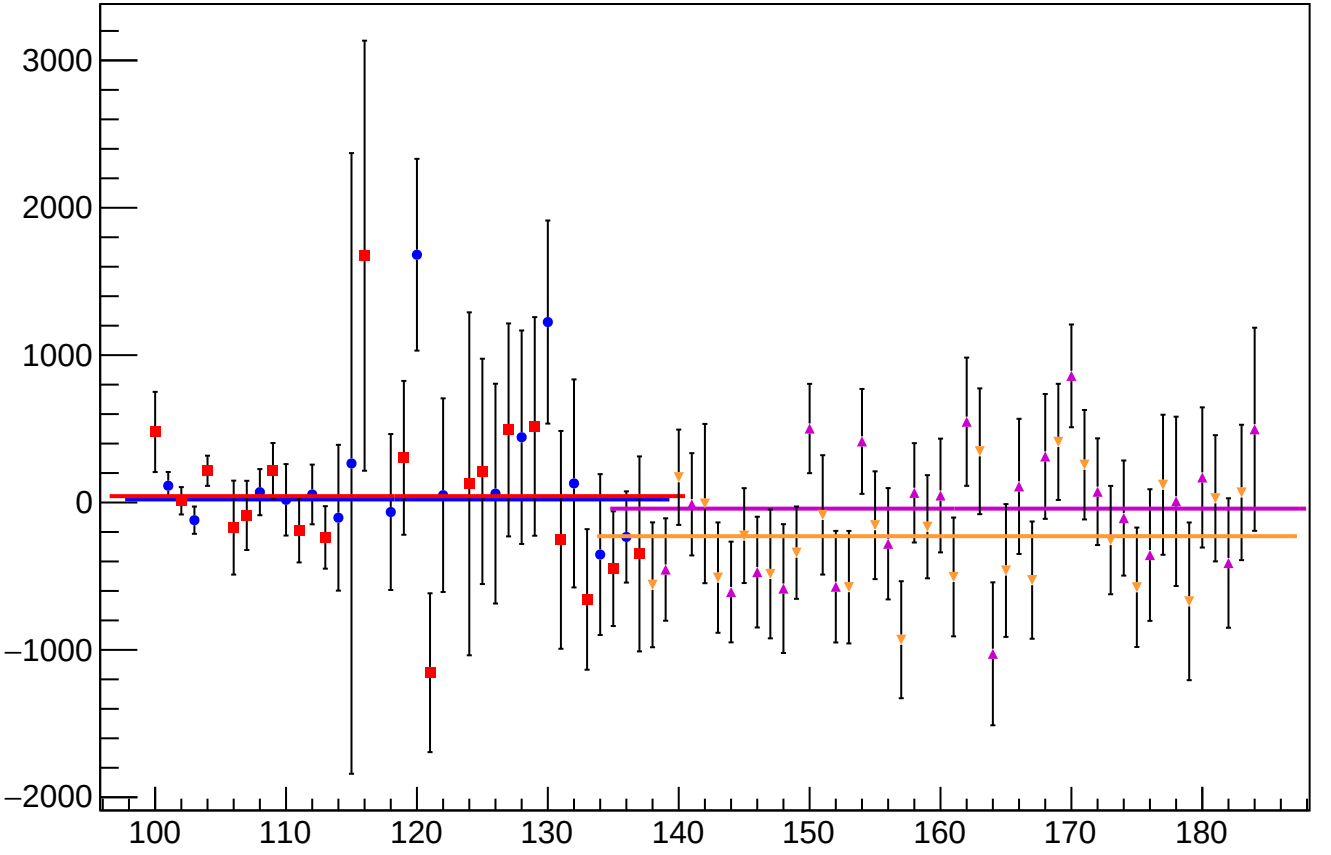
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

\+ sign 65.725+/-0.009 χ^2/NDF: 1541364.5/39

All: 65.392+/-0.007 χ^2/NDF: 3197811.8/81

\- sign 65.055+/-0.009 χ^2/NDF: 1653826.8/41

asym_sam_15_avg_dit_correction_mean vs Slug



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

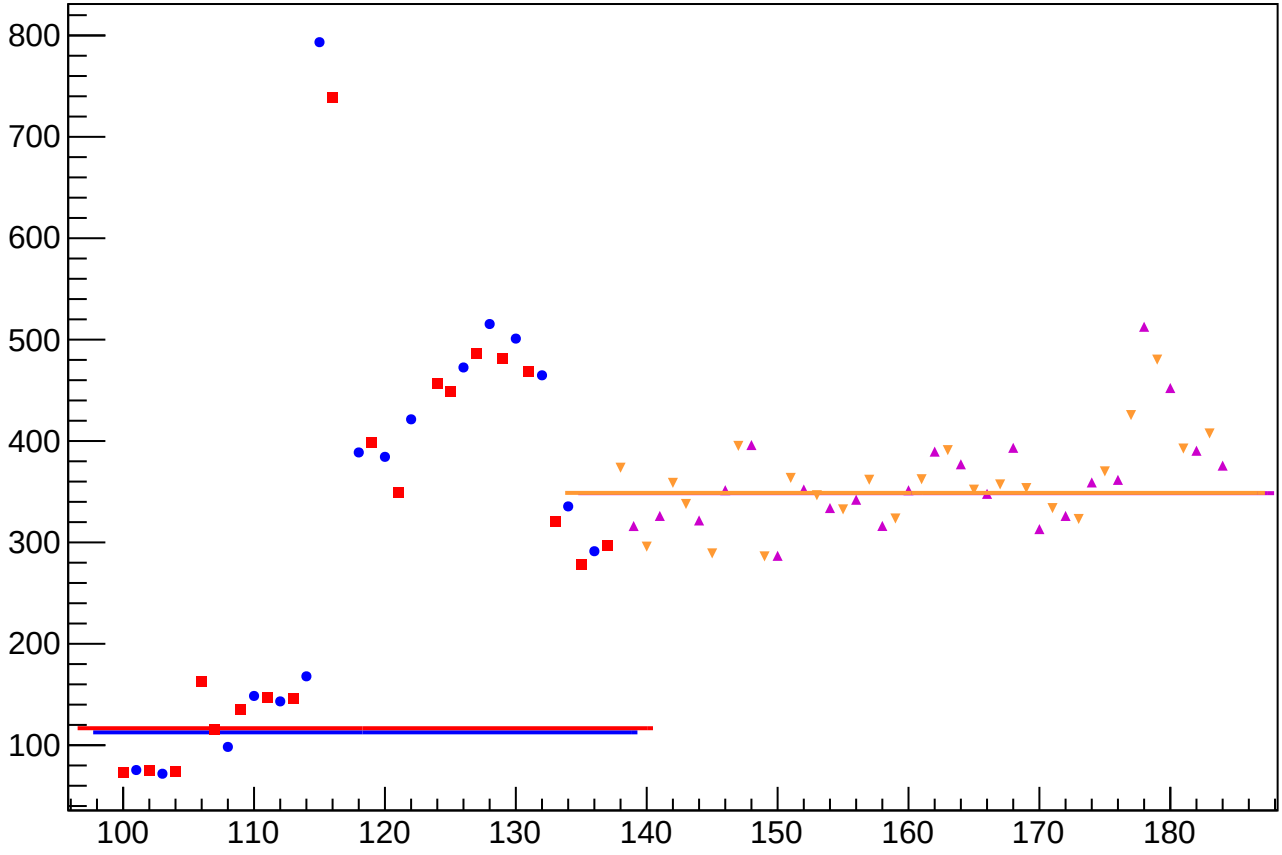
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -55.565+/-44.625 χ^2/NDF: 39.0/39

All: -18.700+/-31.573 χ^2/NDF: 92.6/81

- sign 18.253+/-44.677 χ^2/NDF: 52.2/41

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

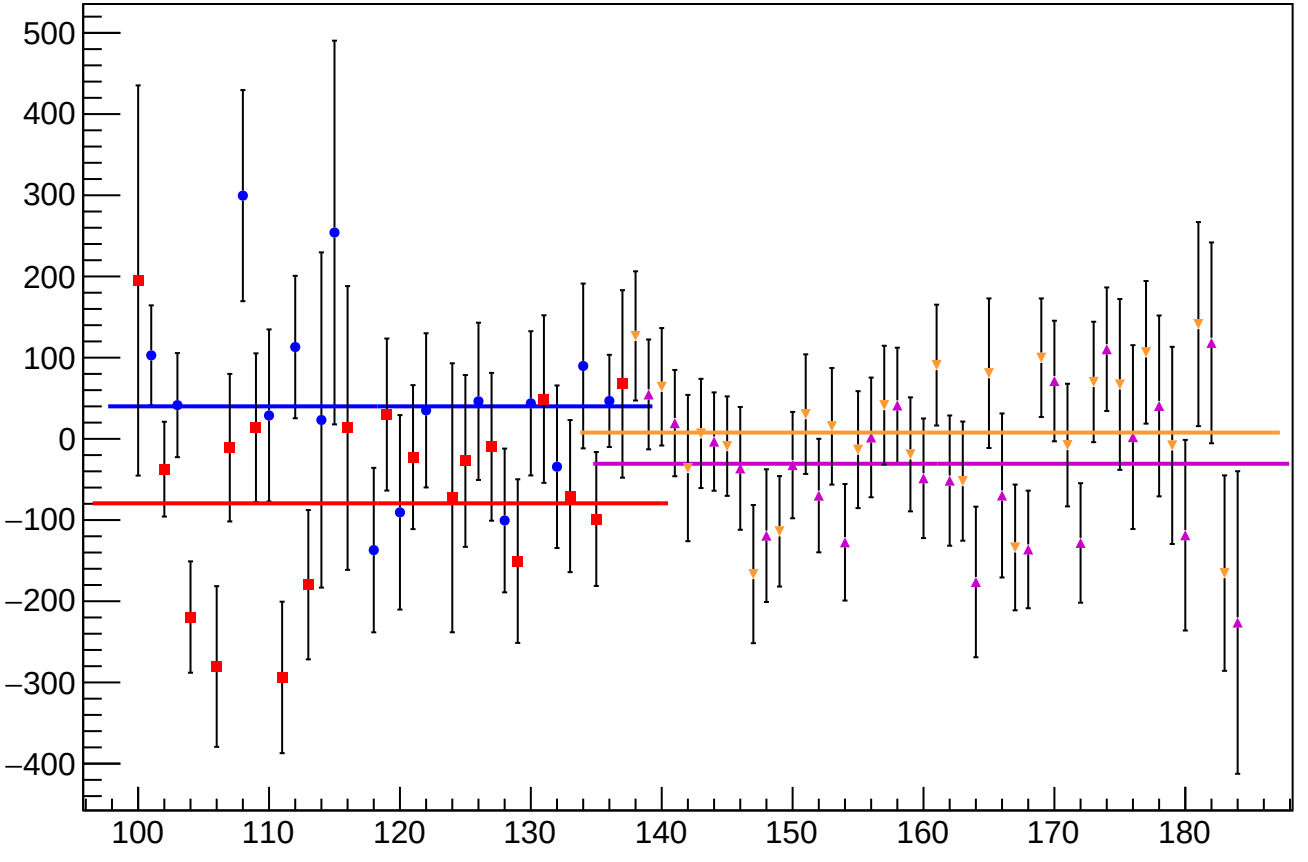
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 185.053+/-0.032 χ^2/NDF: 18028816.3/39

All: 185.088+/-0.022 χ^2/NDF: 34895602.7/81

- sign 185.124+/-0.032 χ^2/NDF: 16866783.9/41

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

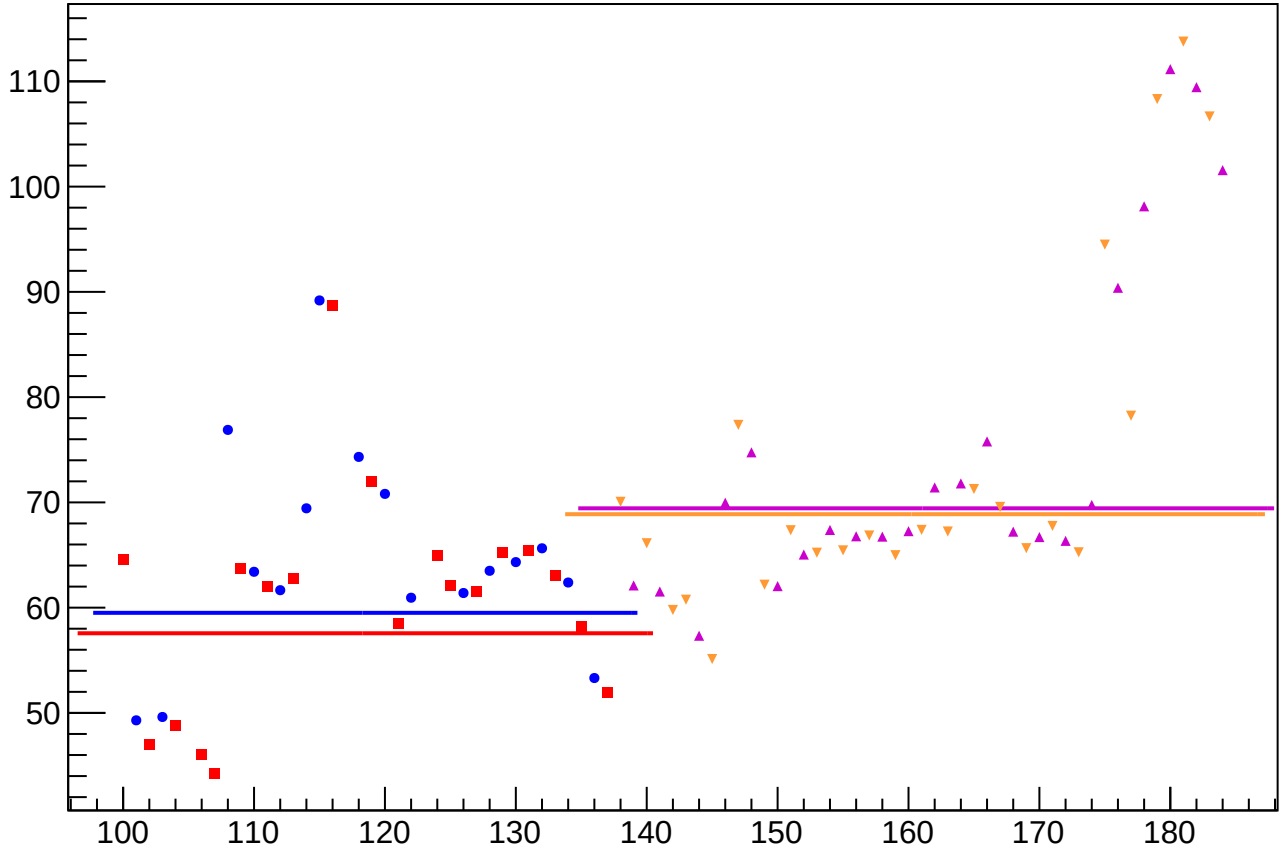
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 18.616+/-13.060 χ^2/NDF: 39.6/39

All: -14.888+/-9.252 χ^2/NDF: 103.3/81

- sign -48.642+/-13.109 χ^2/NDF: 50.5/41

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

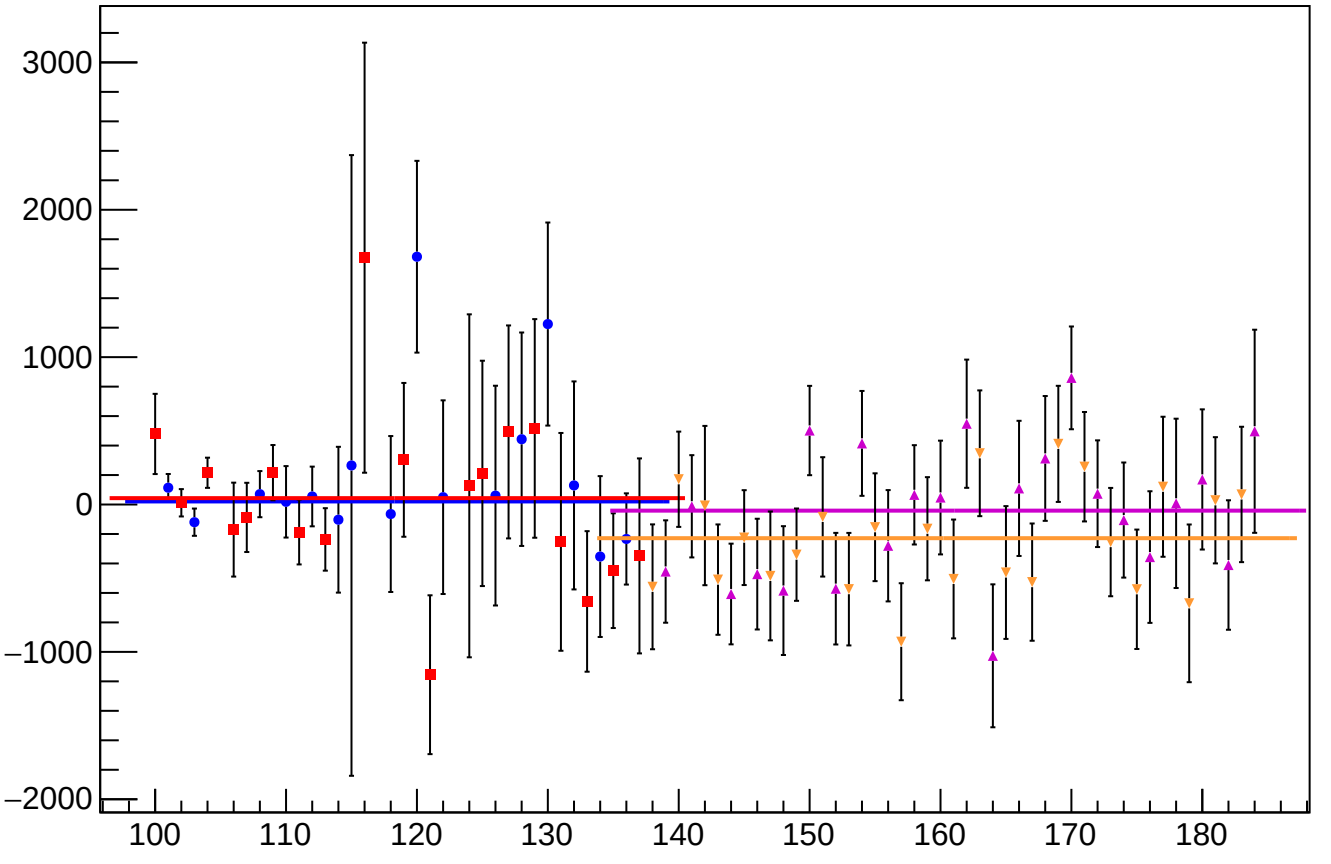
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 65.725+/-0.009 χ^2/NDF: 1541353.9/39

All: 65.392+/-0.007 χ^2/NDF: 3197795.6/81

- sign 65.056+/-0.009 χ^2/NDF: 1653821.6/41



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -228.458+/-80.607 χ^2/NDF:17.7/23

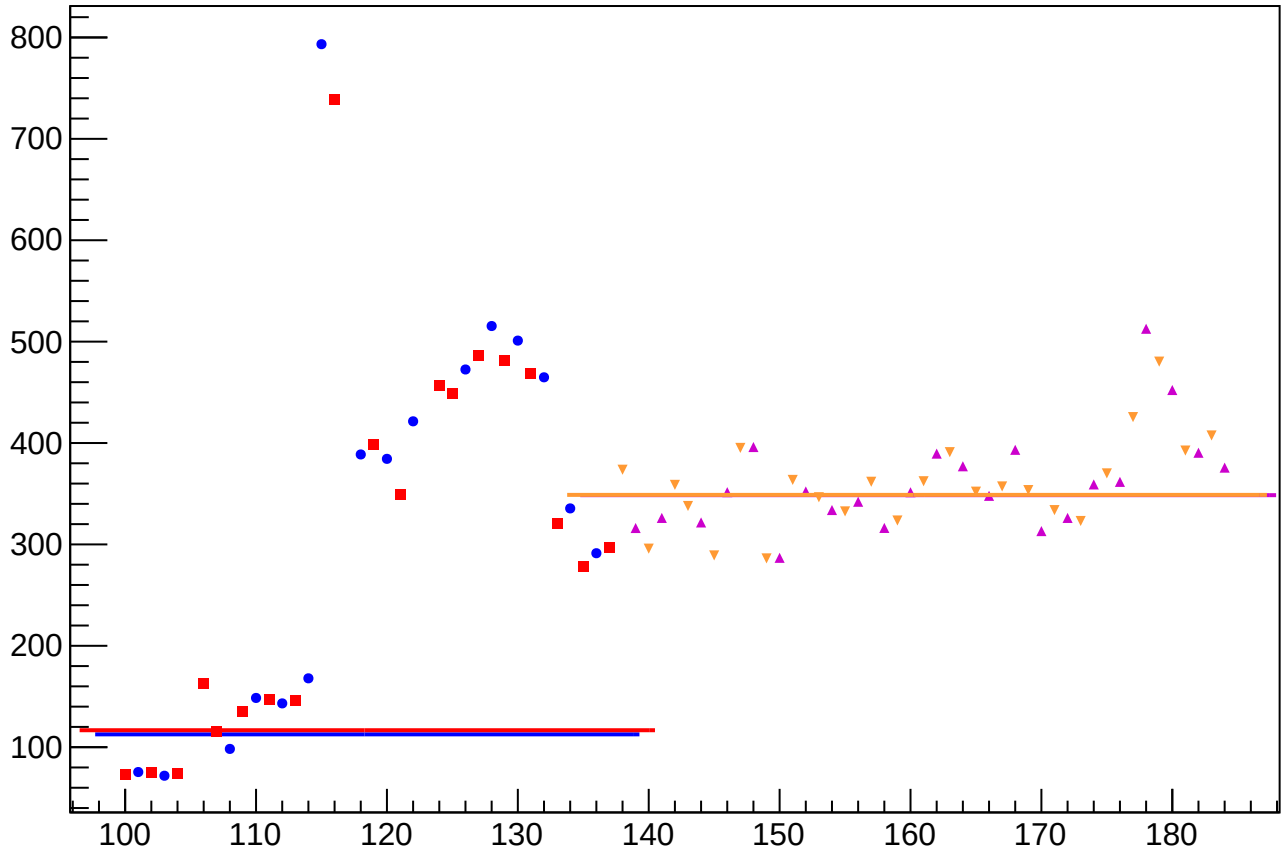
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -55.565+/-44.625 χ^2/NDF: 39.0/39

All: -18.700+/-31.573 χ^2/NDF: 92.6/81

- sign 18.253+/-44.677 χ^2/NDF: 52.2/41



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

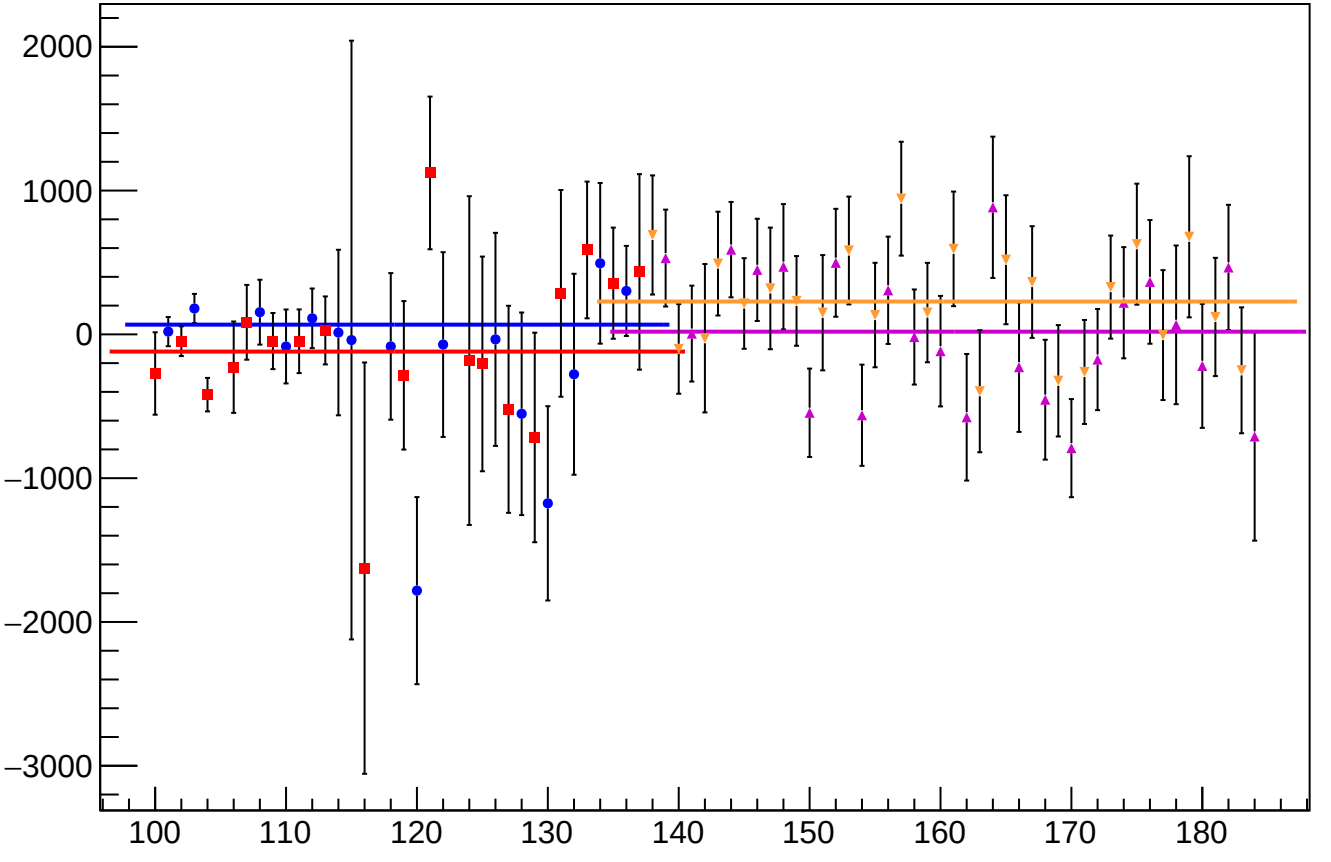
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 185.053+/-0.032 χ^2/NDF: 18028874.1/39

All: 185.088+/-0.022 χ^2/NDF: 34895740.1/81

- sign 185.124+/-0.032 χ^2/NDF: 16866863.5/41

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

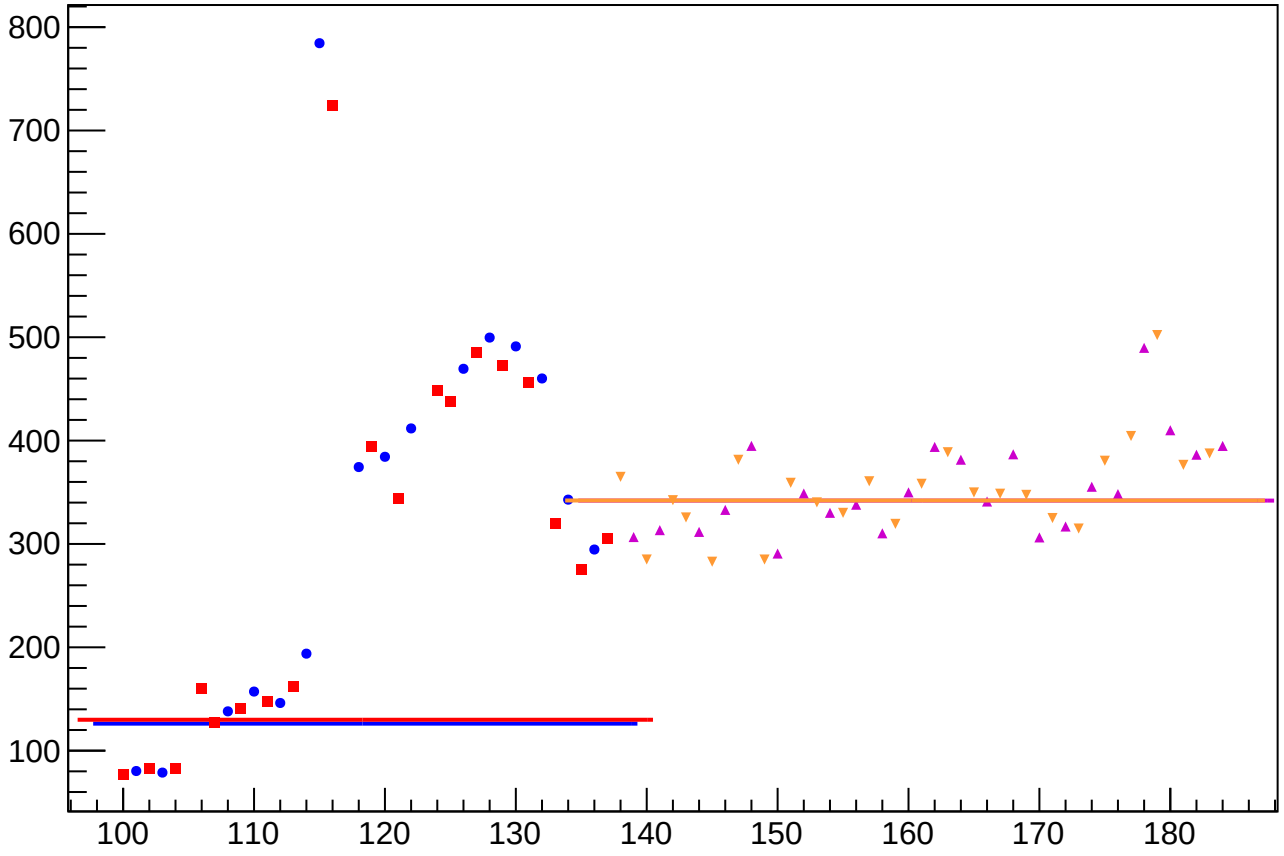
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 125.226+/-47.393 χ^2/NDF: 36.5/39

All: 25.646+/-33.396 χ^2/NDF: 100.3/81

- sign -72.566+/-47.066 χ^2/NDF: 55.1/41

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

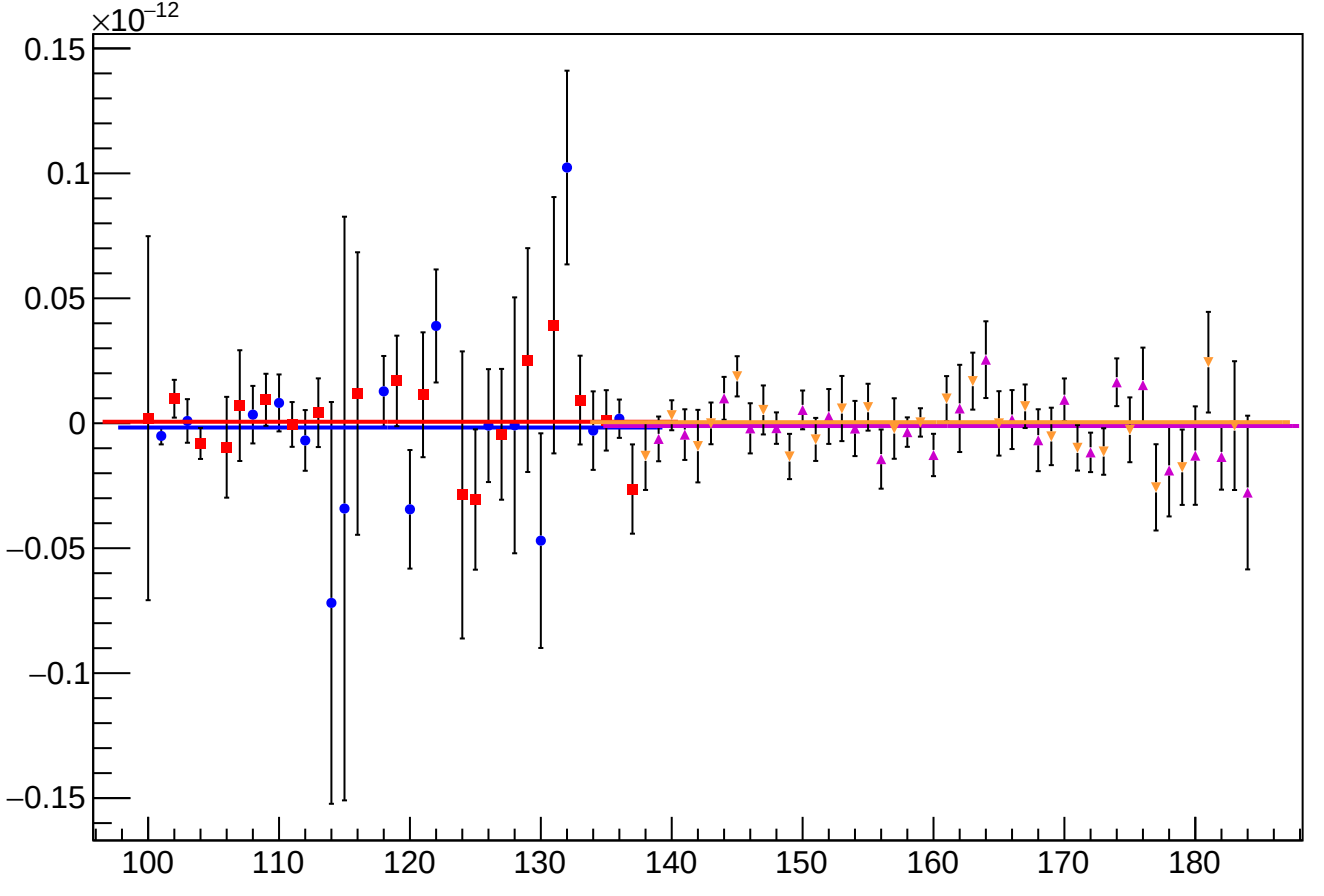
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 203.544+/-0.034 χ^2/NDF: 15315322.0/39

All: 202.785+/-0.024 χ^2/NDF: 29559569.1/81

- sign 202.037+/-0.033 χ^2/NDF: 14243229.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/23

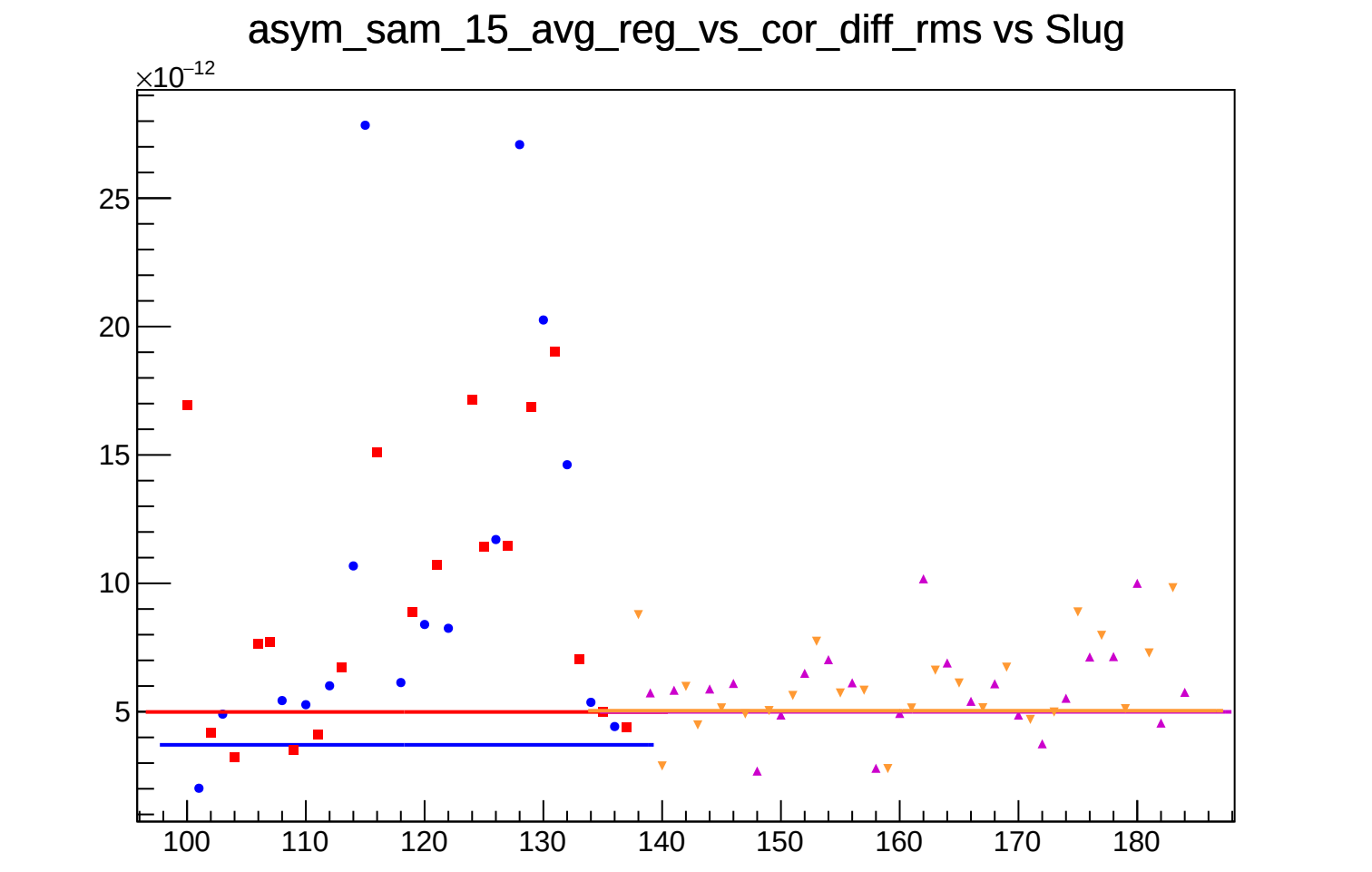
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/39

All: -0.000+/-0.000 χ^2/NDF: 72.1/81

- sign -0.000+/-0.000 χ^2/NDF: 31.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1282711.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

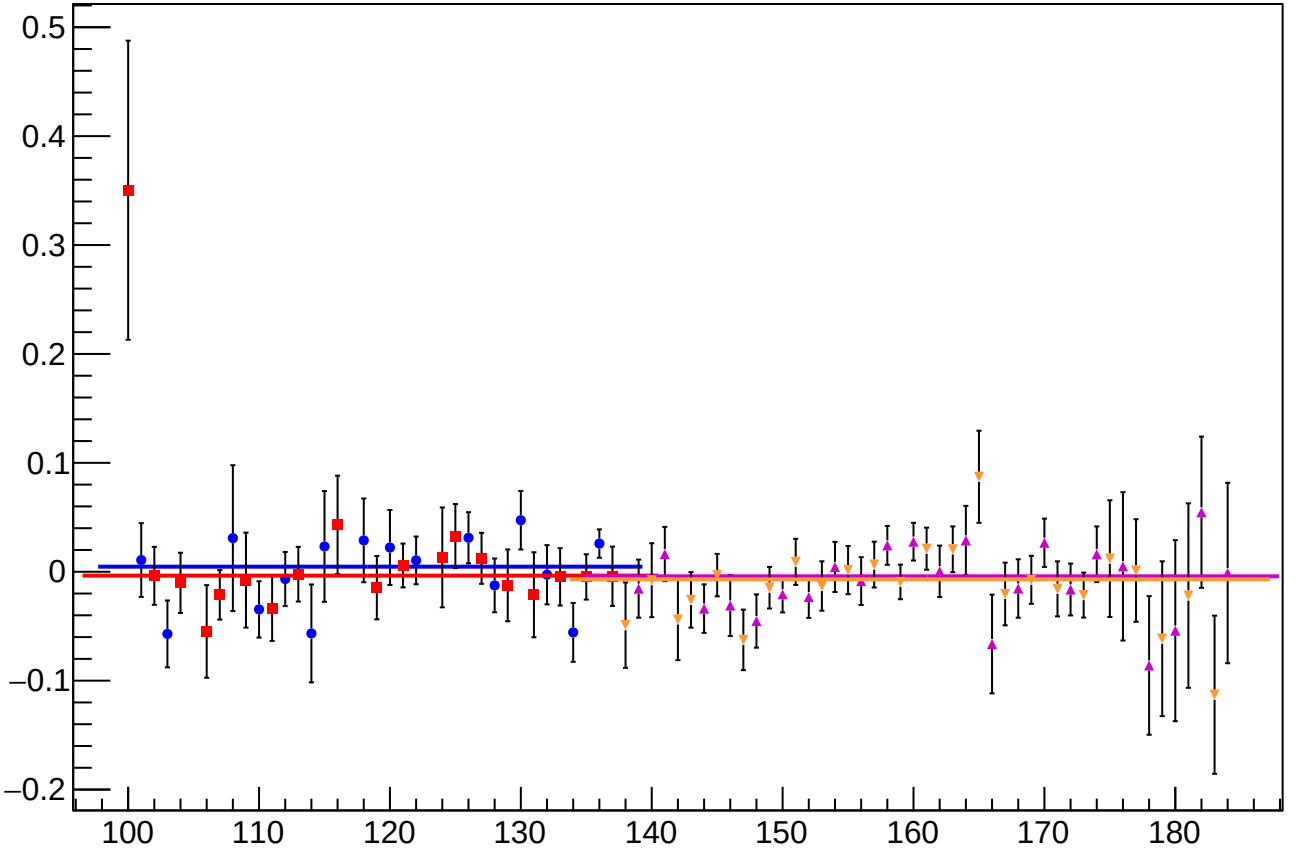
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3793034.8/39

All: 0.000+/-0.000 χ^2/NDF: 6393591.5/81

- sign 0.000+/-0.000 χ^2/NDF: 2520624.7/41

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

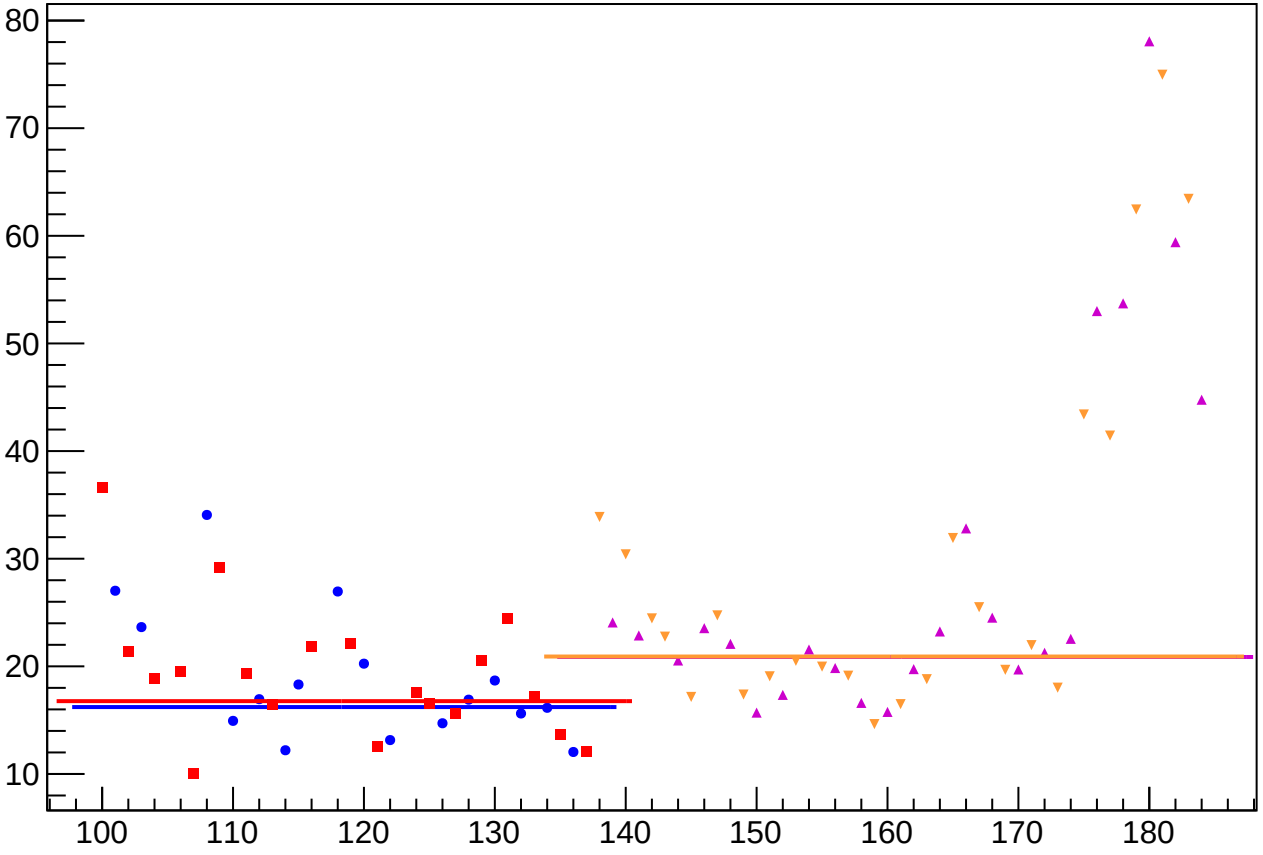
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 44.0/39

All: -0.003+/-0.003 χ^2/NDF: 80.9/81

- sign -0.004+/-0.004 χ^2/NDF: 36.8/41

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

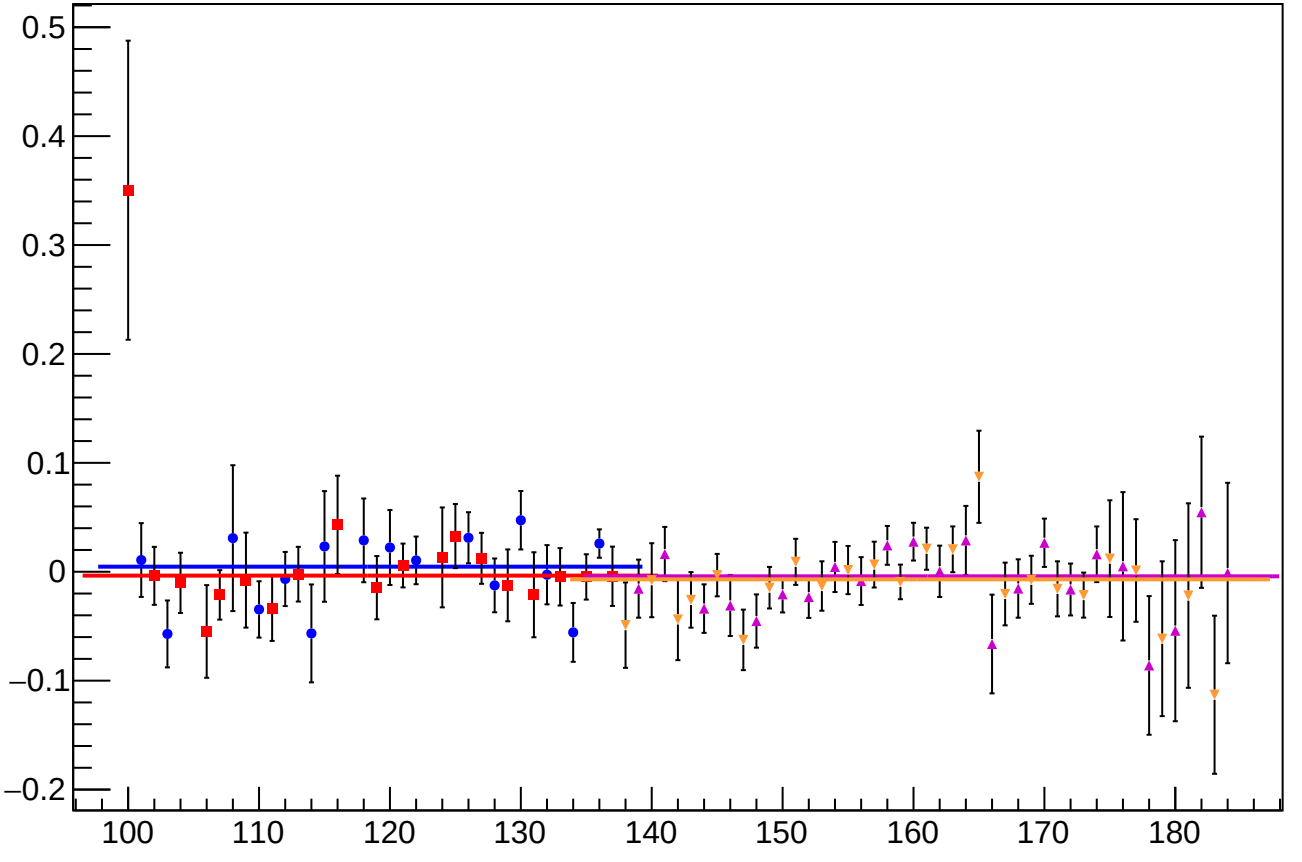
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.099+/-0.003 χ^2/NDF: 5777996.2/39

All: 19.184+/-0.002 χ^2/NDF: 10649279.4/81

- sign 19.271+/-0.003 χ^2/NDF: 4869524.3/41

asym_sam_15_avg_dit_vs_eigen_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

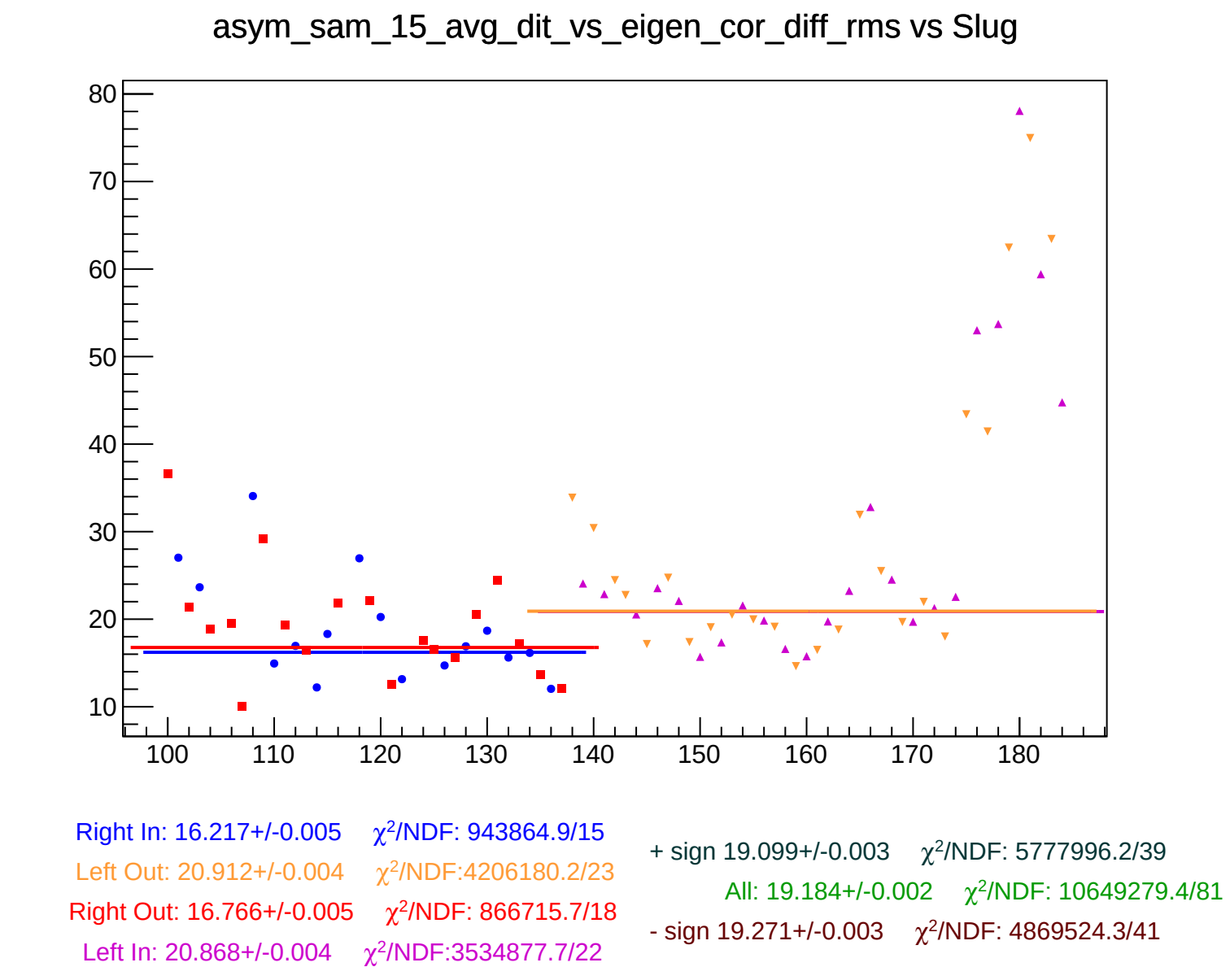
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

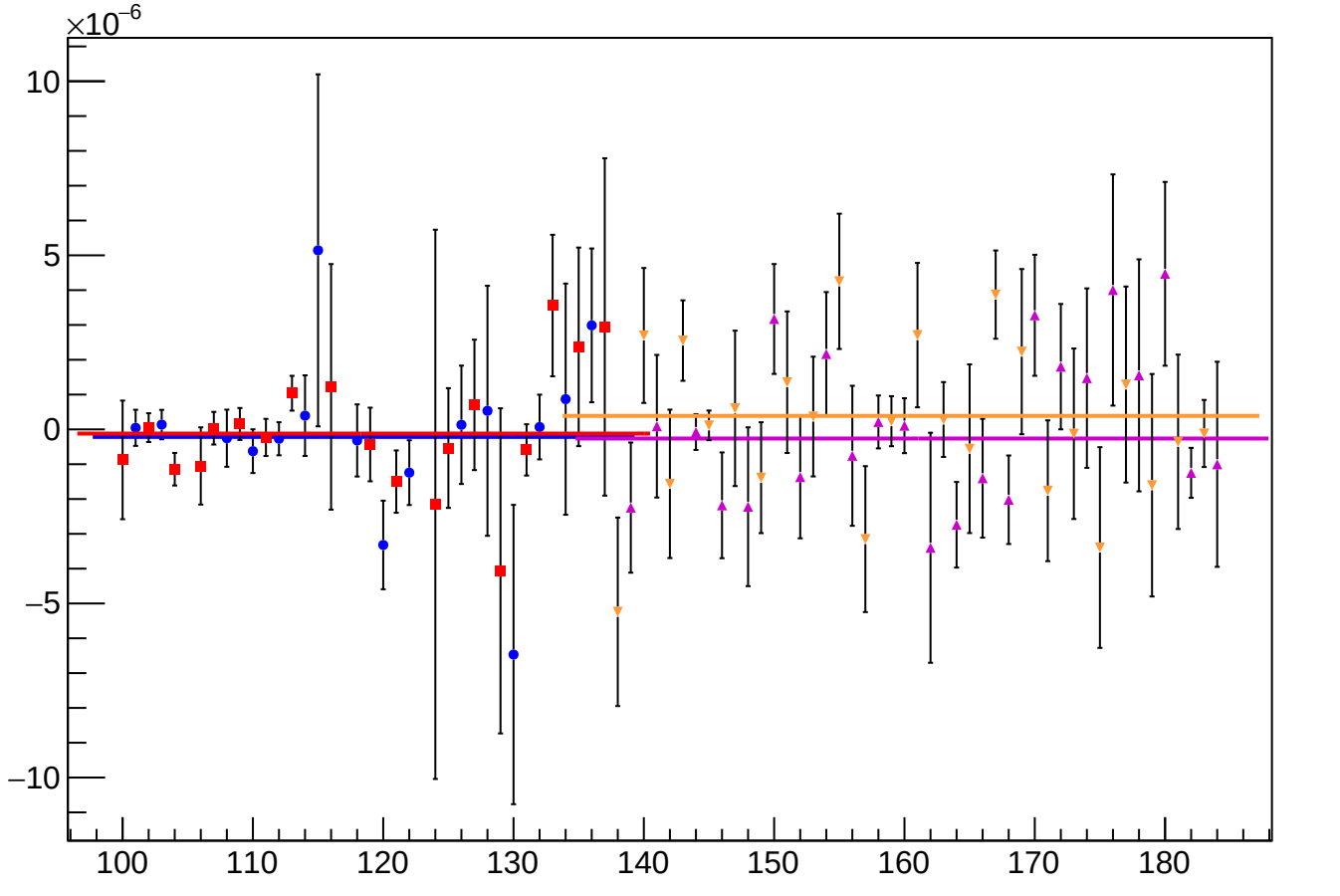
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 44.0/39

All: -0.003+/-0.003 χ^2/NDF: 80.9/81

- sign -0.004+/-0.004 χ^2/NDF: 36.8/41


asym_sam_15_avg_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: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 20.912+/-0.004 χ²/NDF:4206180.2/23
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 20.868+/-0.004 χ²/NDF:3534877.7/22
+ sign 19.099+/-0.003 χ²/NDF: 5777996.2/39
All: 19.184+/-0.002 χ²/NDF: 10649279.4/81
- sign 19.271+/-0.003 χ²/NDF: 4869524.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/23

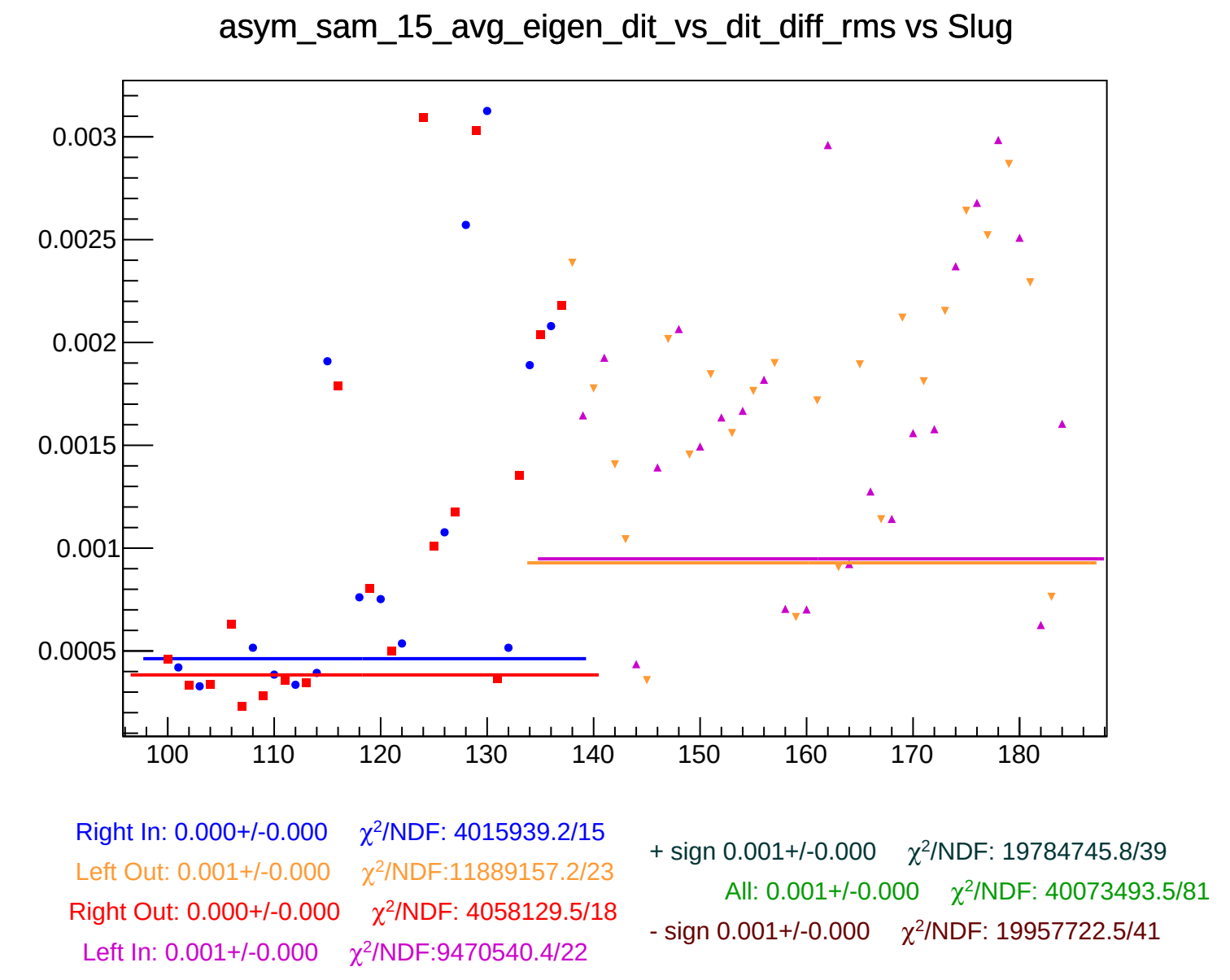
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

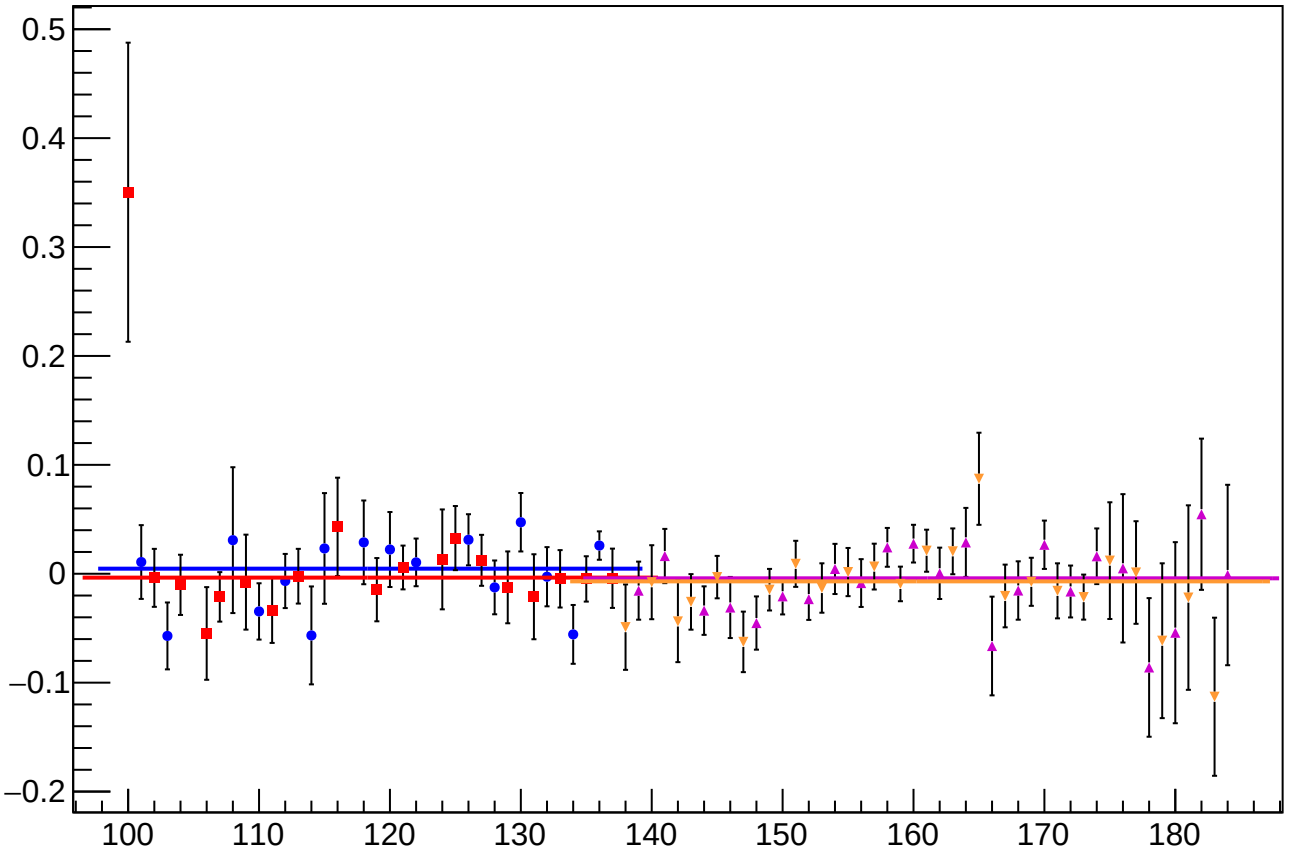
Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/39

All: -0.000+/-0.000 χ^2/NDF: 102.6/81

- sign -0.000+/-0.000 χ^2/NDF: 52.1/41


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:9470540.4/22
+ sign 0.001+/-0.000 χ²/NDF: 19784745.8/39
All: 0.001+/-0.000 χ²/NDF: 40073493.5/81
- sign 0.001+/-0.000 χ²/NDF: 19957722.5/41



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

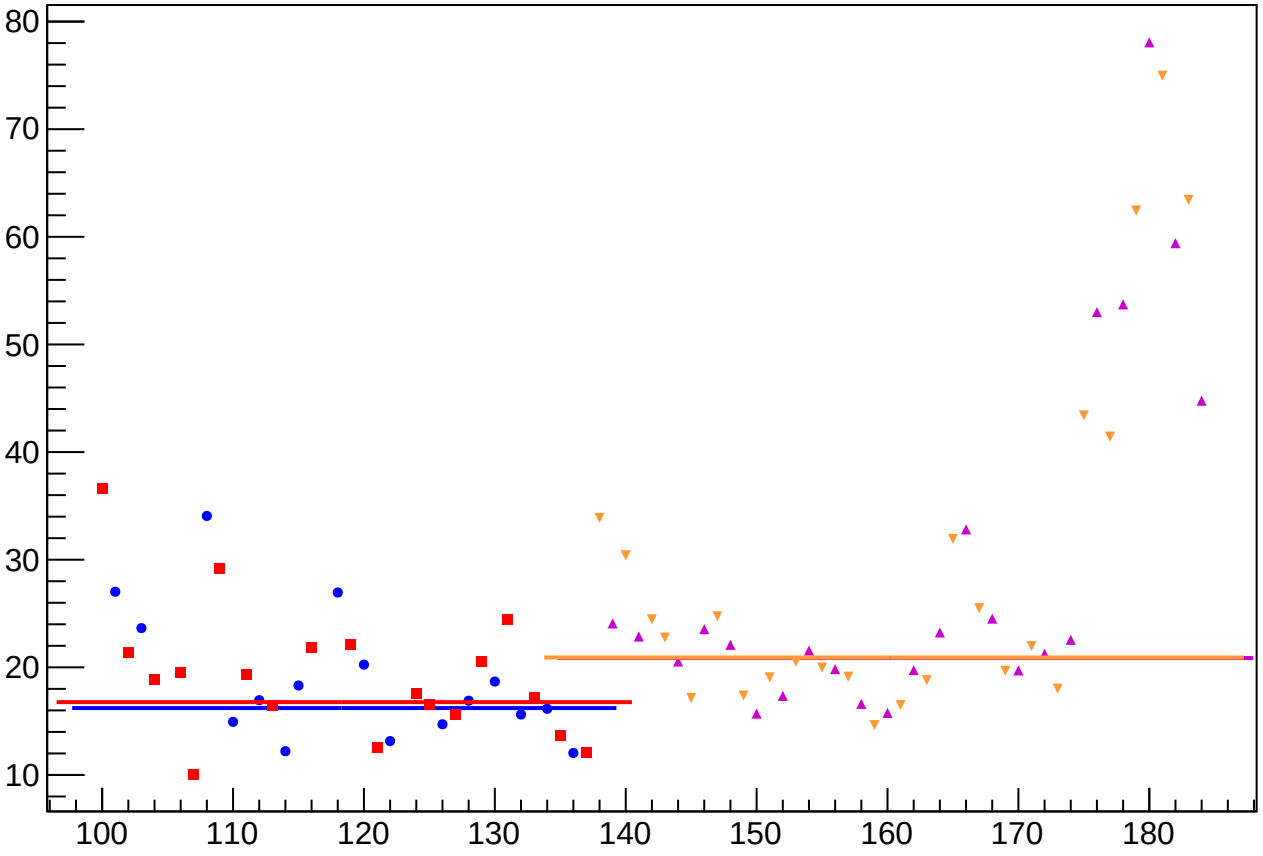
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 44.0/39

All: -0.003+/-0.003 χ^2/NDF: 80.9/81

- sign -0.004+/-0.004 χ^2/NDF: 36.8/41

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.912+/-0.004 χ^2/NDF:4206156.3/23

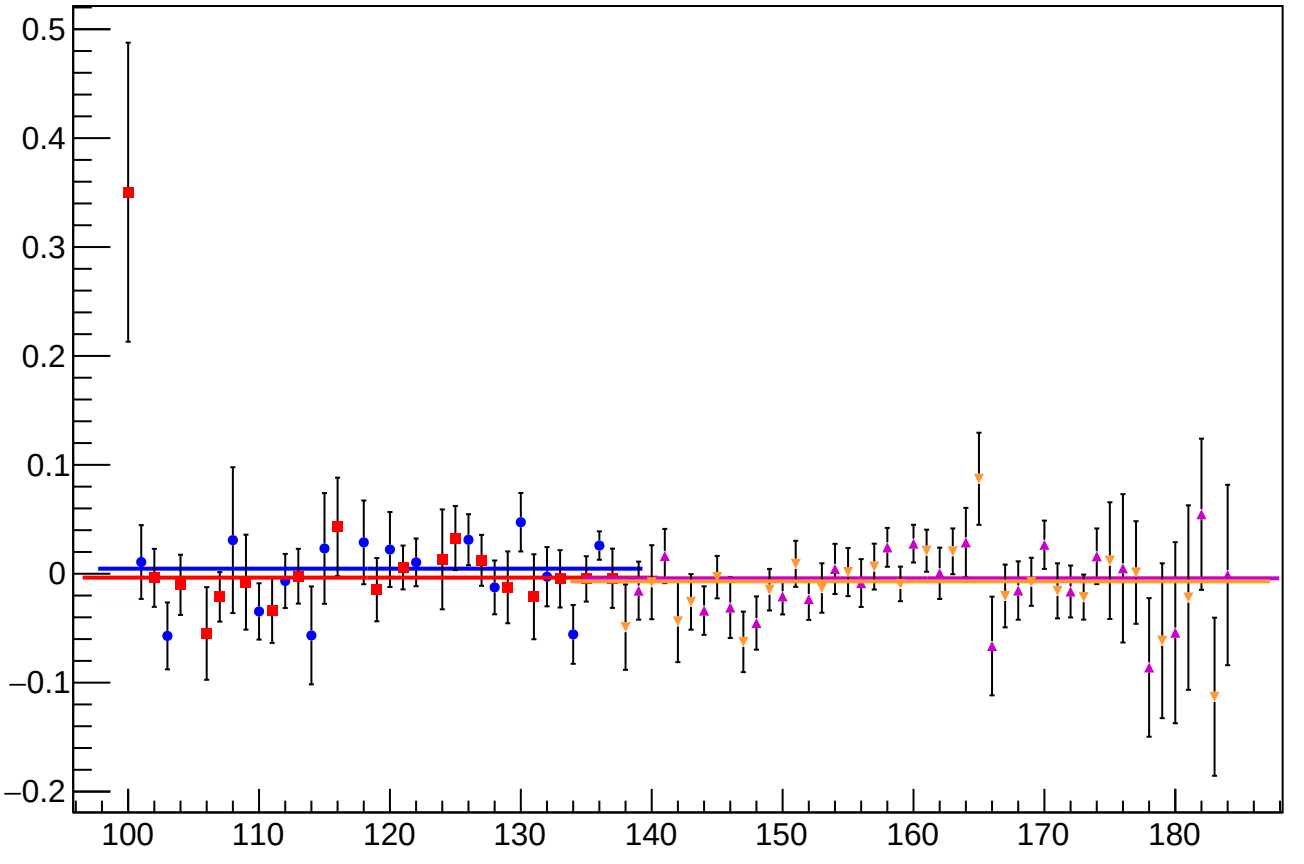
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

\+ sign 19.099+/-0.003 χ^2/NDF: 5778029.3/39

All: 19.184+/-0.002 χ^2/NDF: 10649417.4/81

\- sign 19.271+/-0.003 χ^2/NDF: 4869630.3/41



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:20.6/23

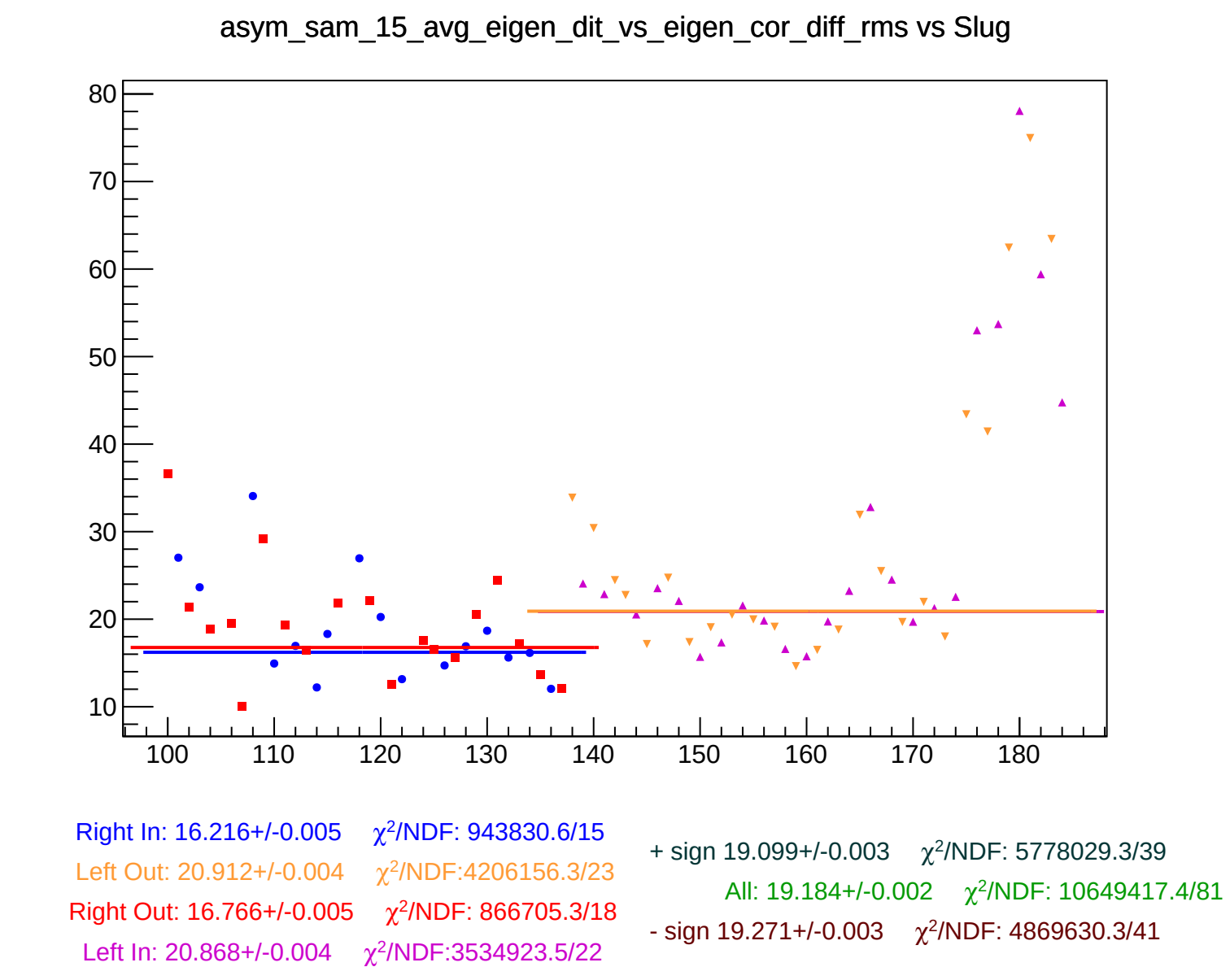
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

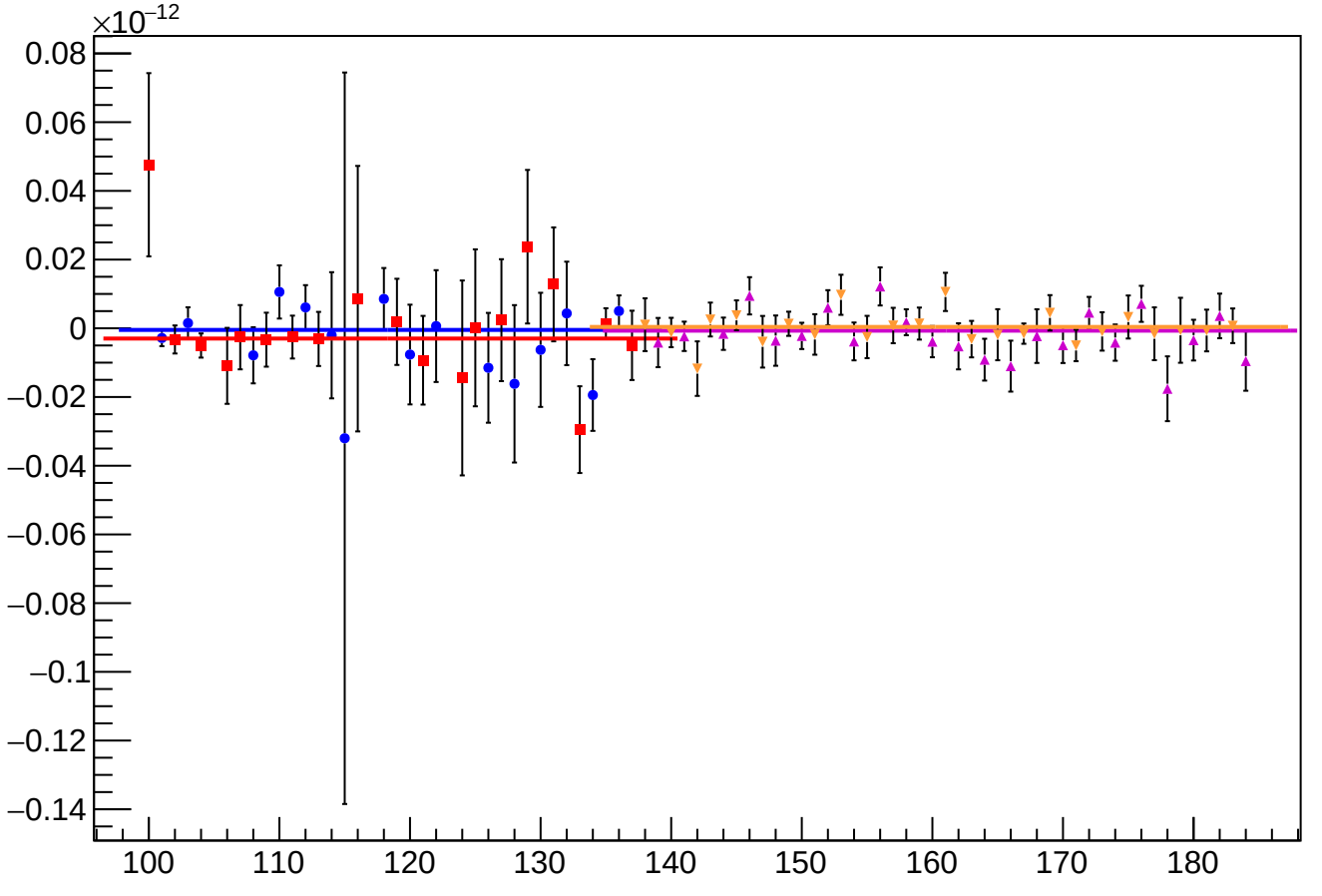
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 44.0/39

All: -0.003+/-0.003 χ^2/NDF: 80.9/81

- sign -0.004+/-0.004 χ^2/NDF: 36.8/41


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: 20.868+/-0.004 χ²/NDF:3534923.5/22
+ sign 19.099+/-0.003 χ²/NDF: 5778029.3/39
All: 19.184+/-0.002 χ²/NDF: 10649417.4/81
- sign 19.271+/-0.003 χ²/NDF: 4869630.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/23

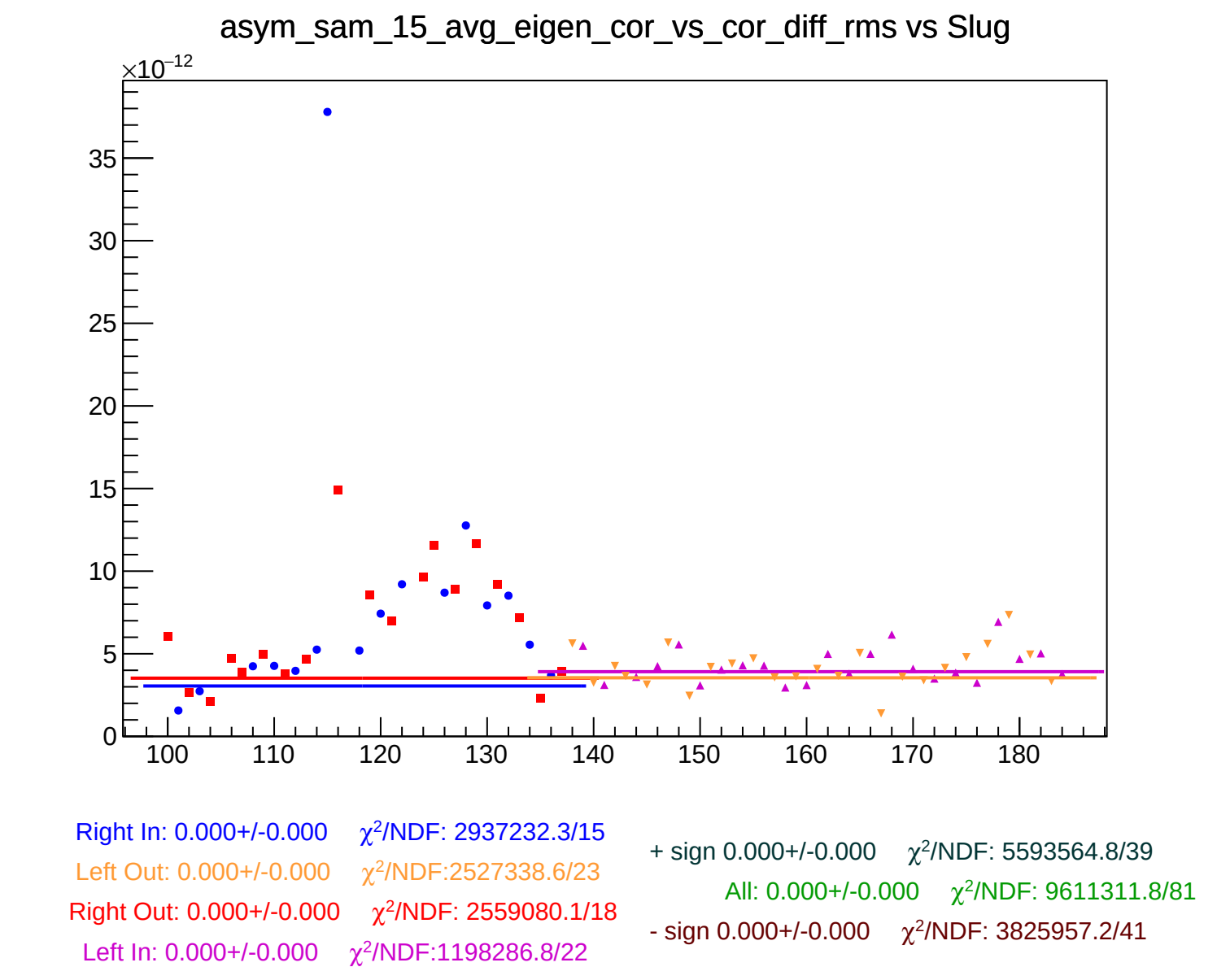
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

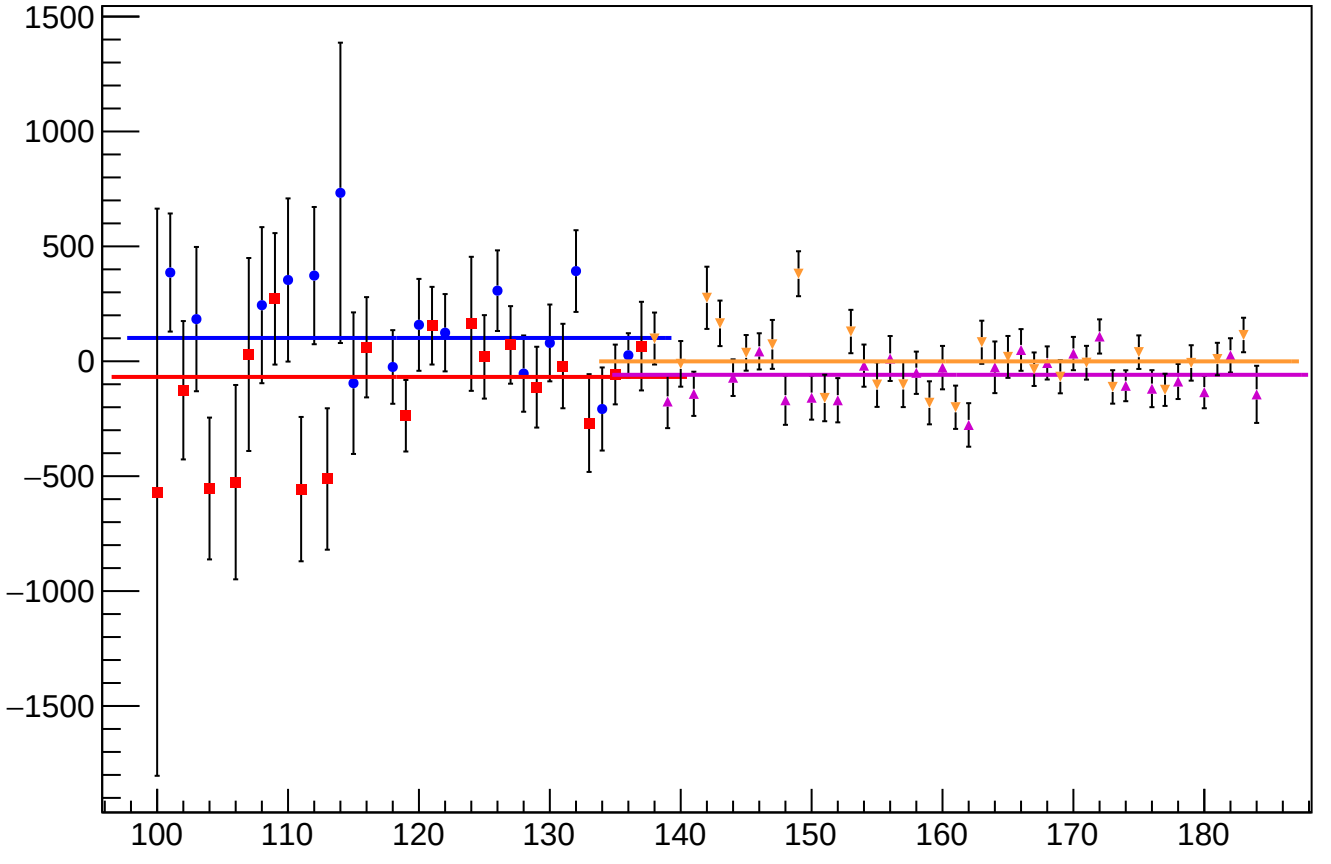
+ sign 0.000+/-0.000 χ^2/NDF: 25.9/39

All: -0.000+/-0.000 χ^2/NDF: 67.8/81

- sign -0.000+/-0.000 χ^2/NDF: 40.7/41


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:1198286.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5593564.8/39
All: 0.000+/-0.000 χ²/NDF: 9611311.8/81
- sign 0.000+/-0.000 χ²/NDF: 3825957.2/41

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

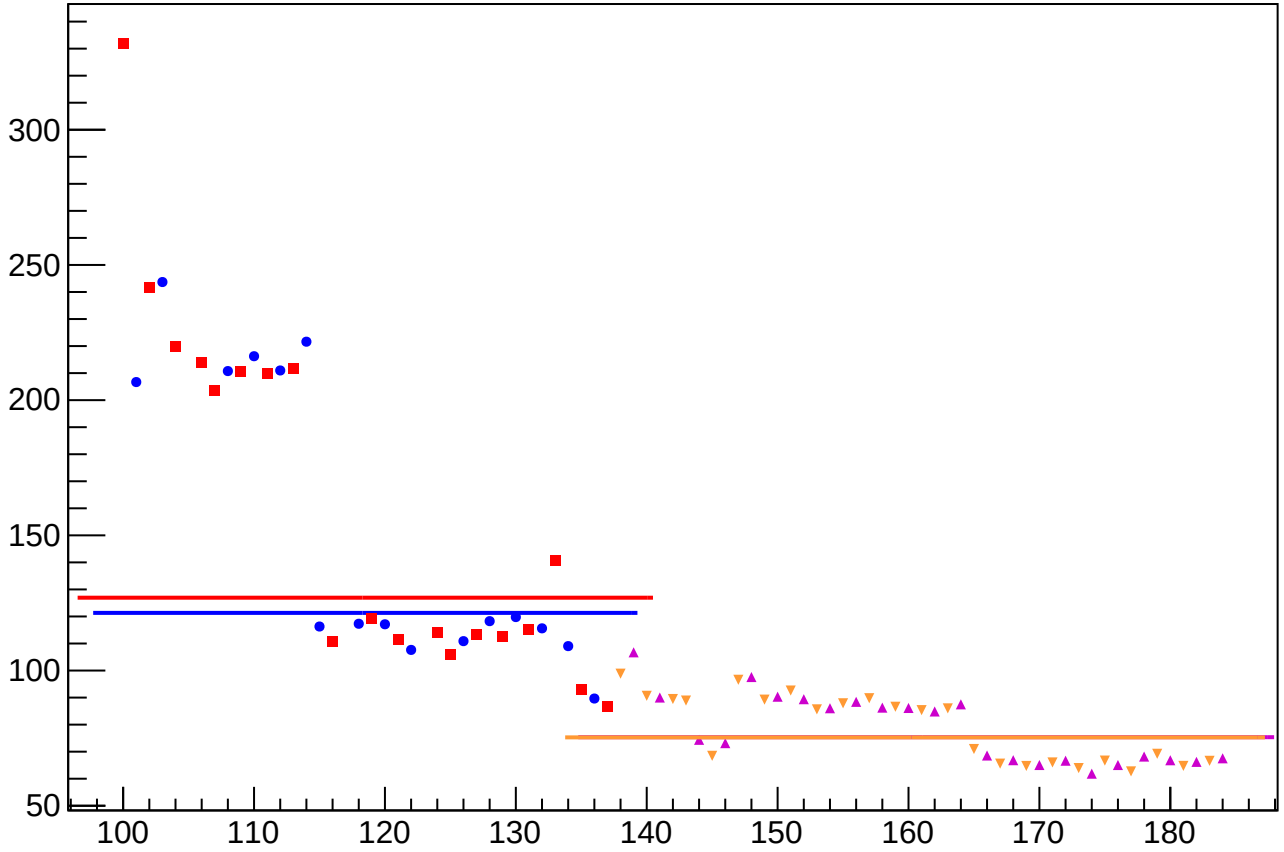
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 11.685+/-16.420 χ^2/NDF: 65.8/39

All: -23.306+/-11.746 χ^2/NDF: 117.1/81

- sign -59.975+/-16.809 χ^2/NDF: 42.0/41

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

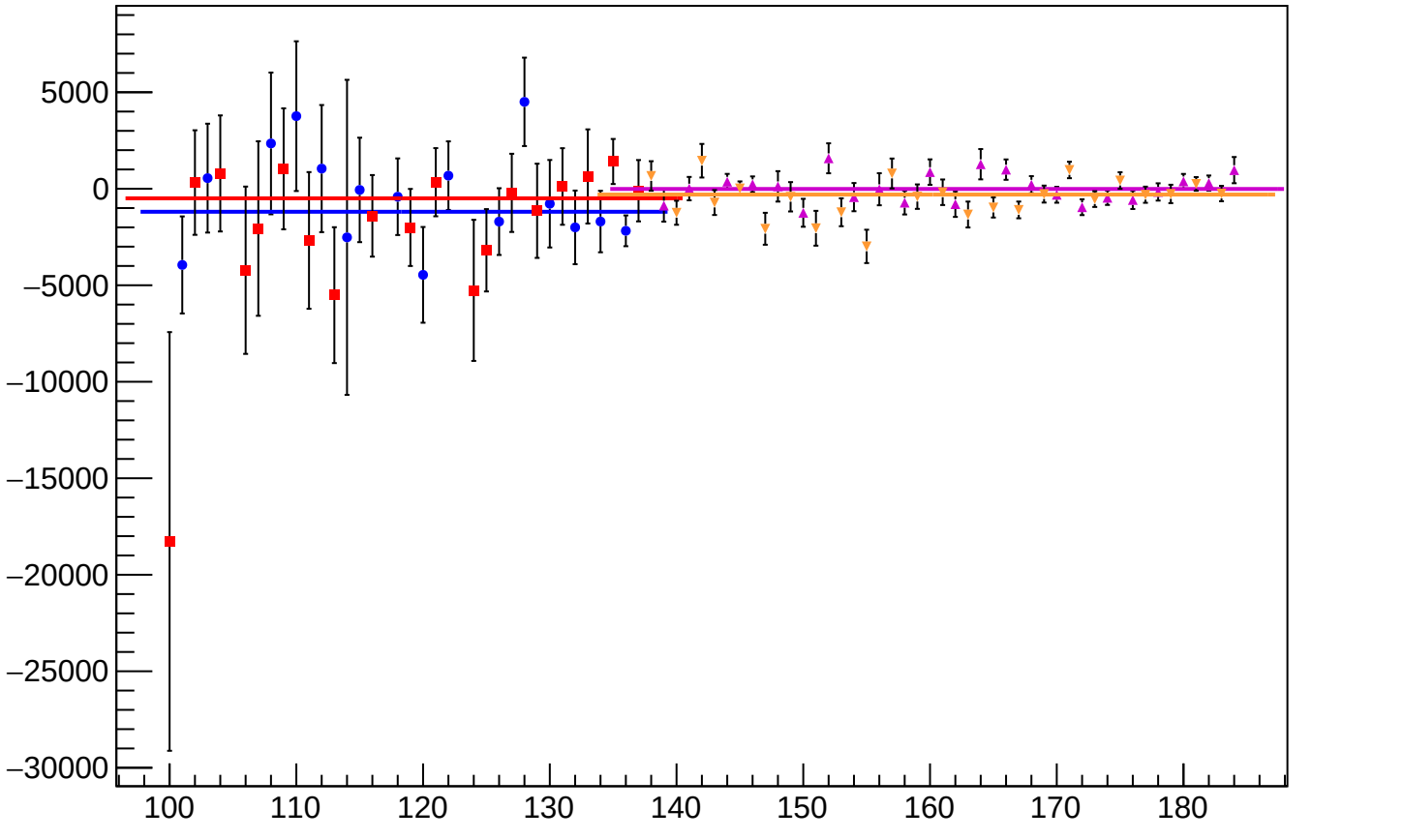
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.757+/-0.012 χ^2/NDF: 3841504.7/39

All: 81.043+/-0.008 χ^2/NDF: 8085827.4/81

- sign 81.343+/-0.012 χ^2/NDF: 4243078.8/41



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

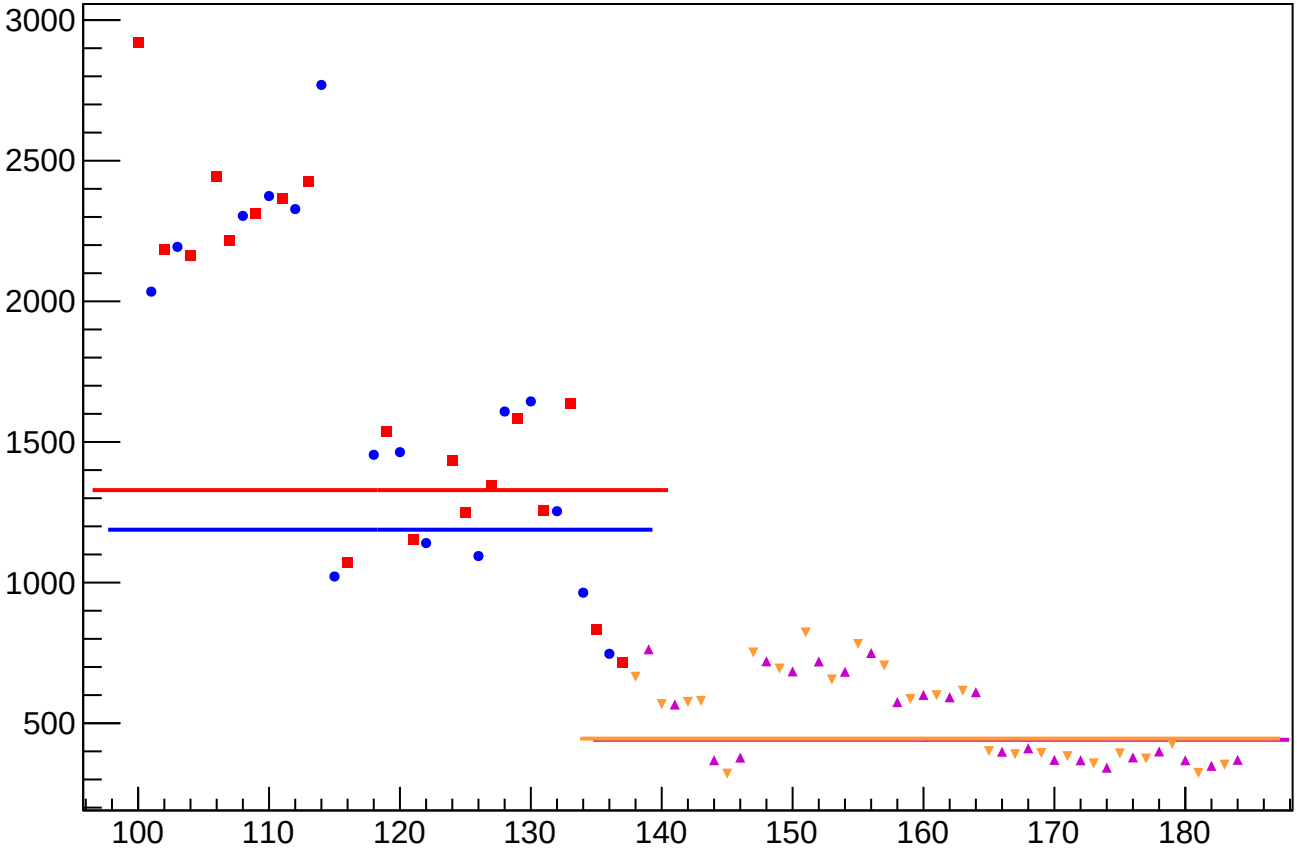
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -343.124+/-104.300 χ^2/NDF: 72.0/39

All: -188.478+/-74.154 χ^2/NDF: 124.6/81

- sign -30.411+/-105.448 χ^2/NDF: 48.1/41

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

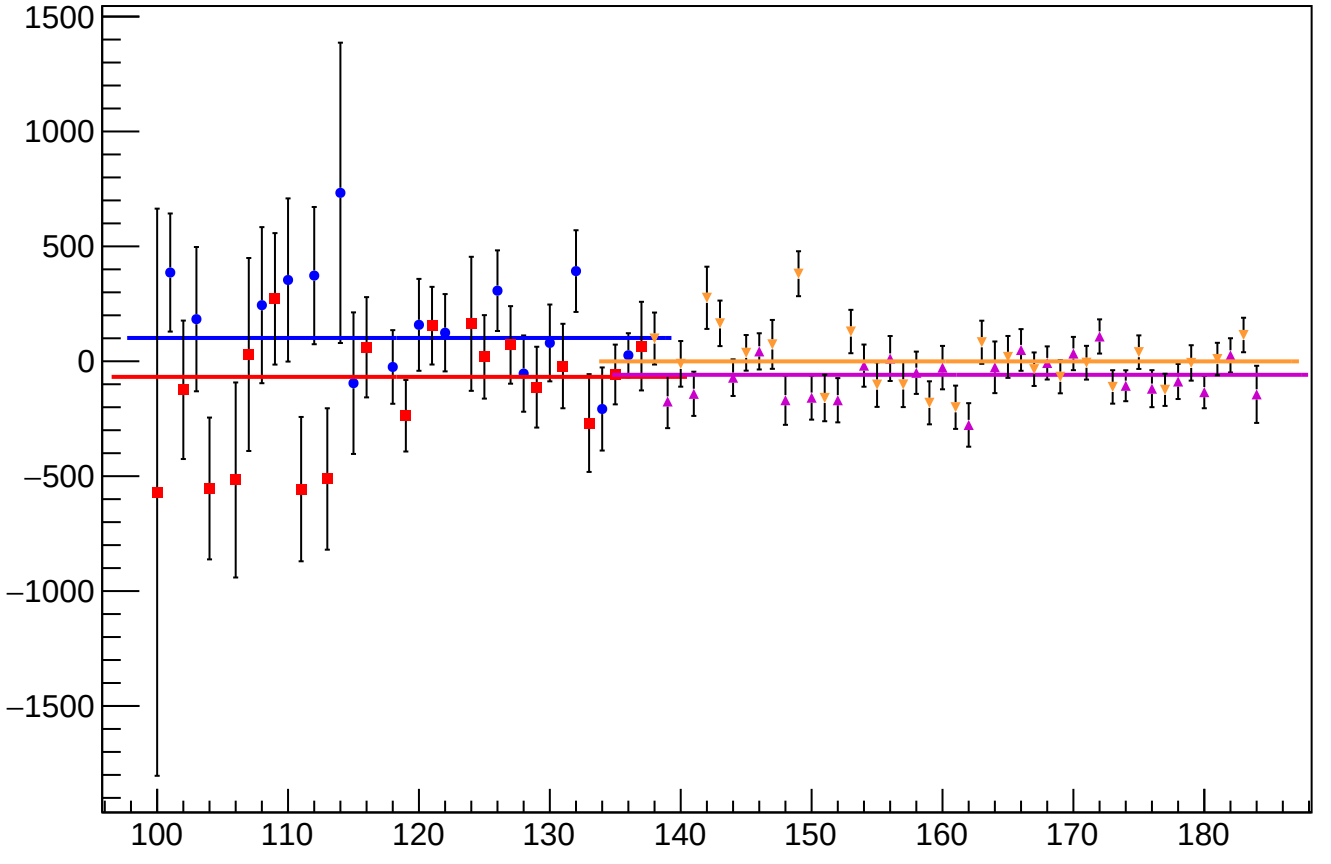
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 480.558+/-0.074 χ^2/NDF: 9759893.4/39

All: 479.022+/-0.052 χ^2/NDF: 19952471.6/81

- sign 477.451+/-0.075 χ^2/NDF: 10191700.4/41

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

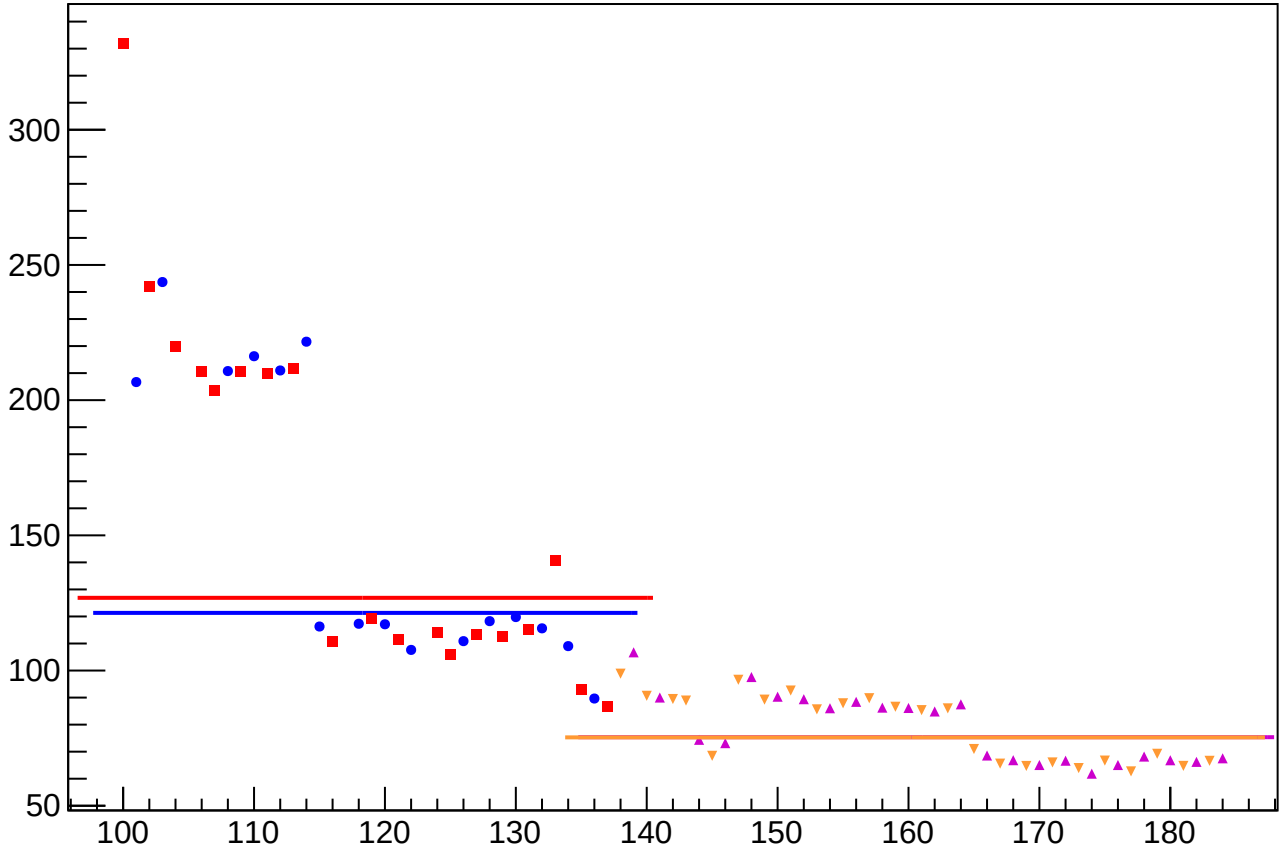
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 11.684+/-16.420 χ^2/NDF: 65.8/39

All: -23.292+/-11.746 χ^2/NDF: 117.0/81

- sign -59.946+/-16.809 χ^2/NDF: 41.9/41

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

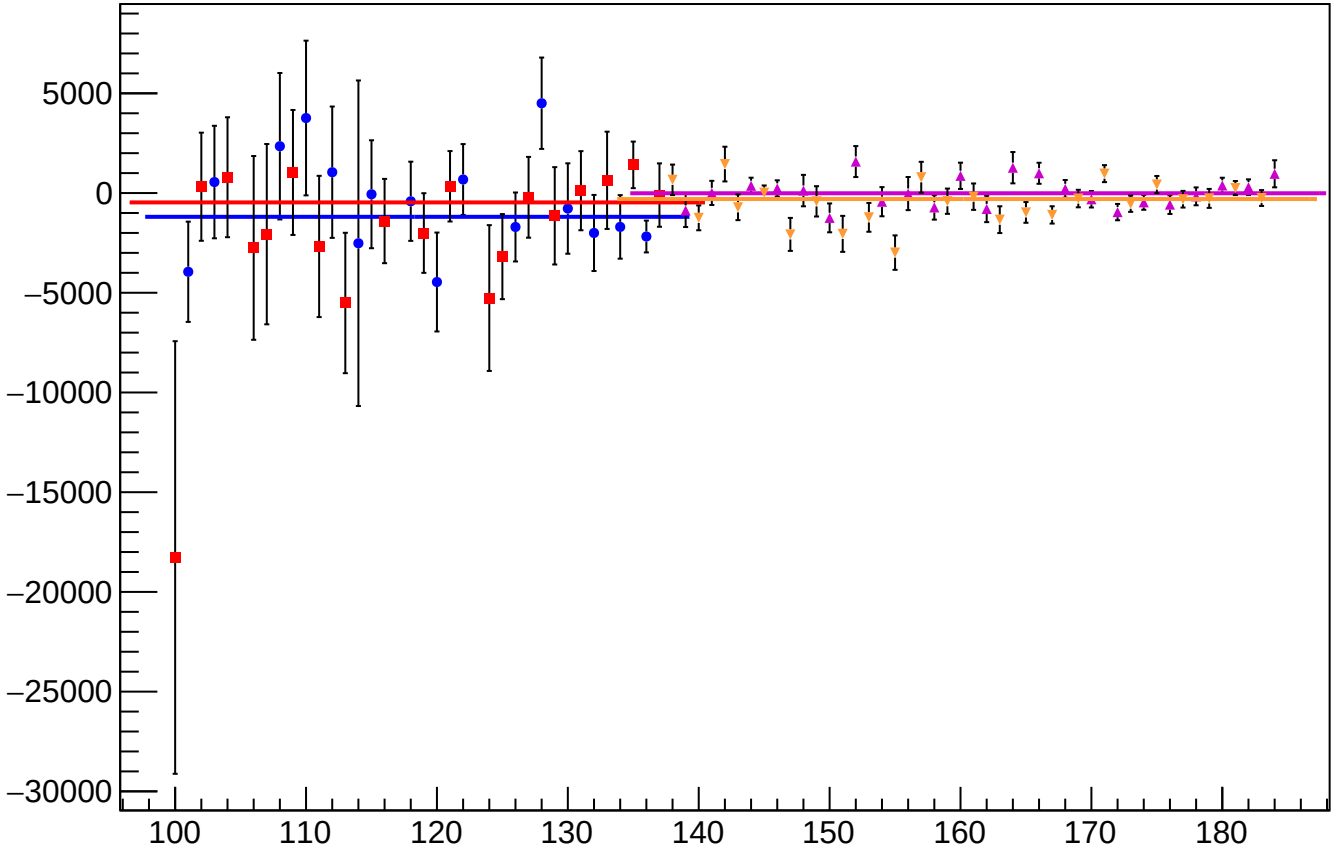
Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

\+ sign 80.757+/-0.012 χ^2/NDF: 3841506.7/39

All: 81.040+/-0.008 χ^2/NDF: 8075727.6/81

\- sign 81.336+/-0.012 χ^2/NDF: 4233004.4/41

asym_sam_26_avg_cor_correction_mean vs Slug



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

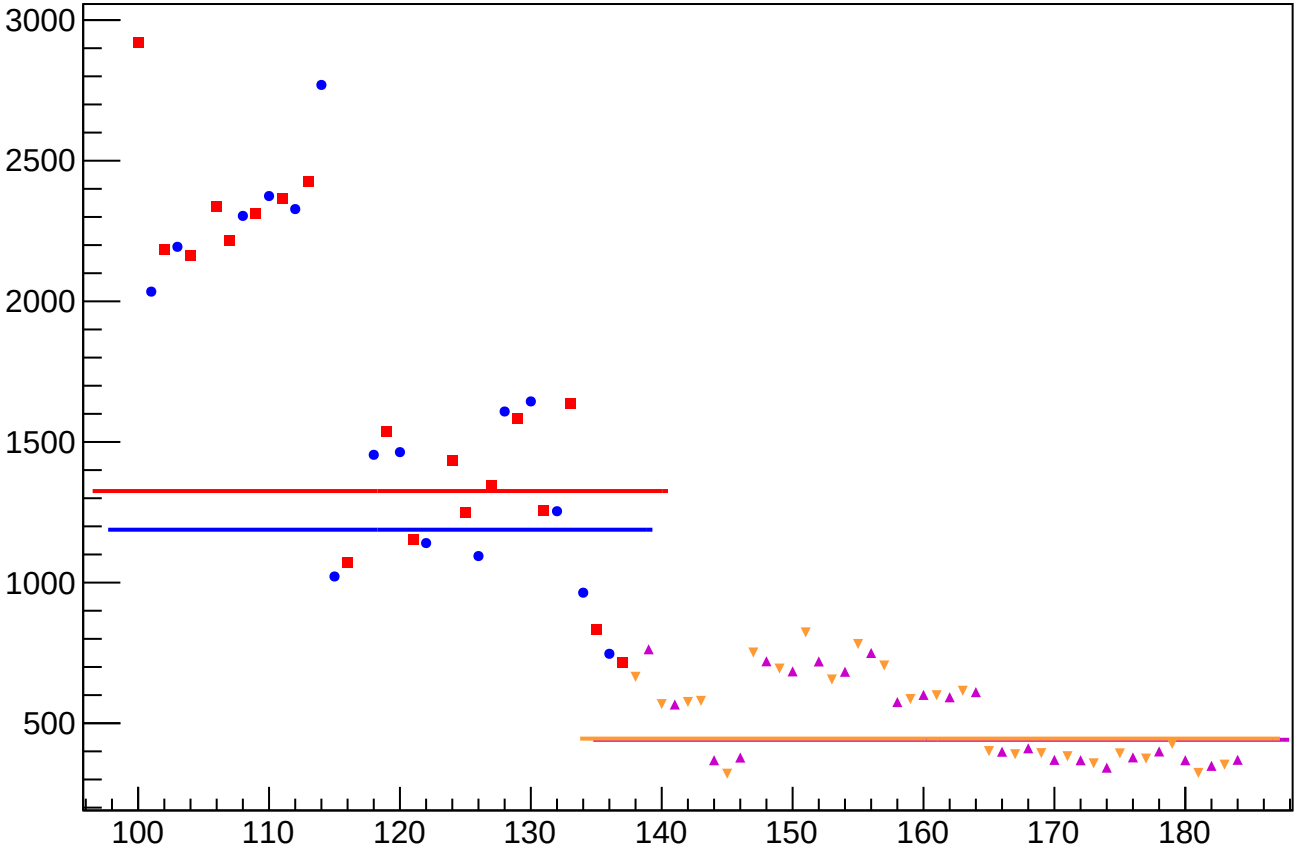
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -343.121+/-104.300 χ^2/NDF: 72.0/39

All: -187.965+/-74.155 χ^2/NDF: 124.0/81

- sign -29.365+/-105.451 χ^2/NDF: 47.5/41

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

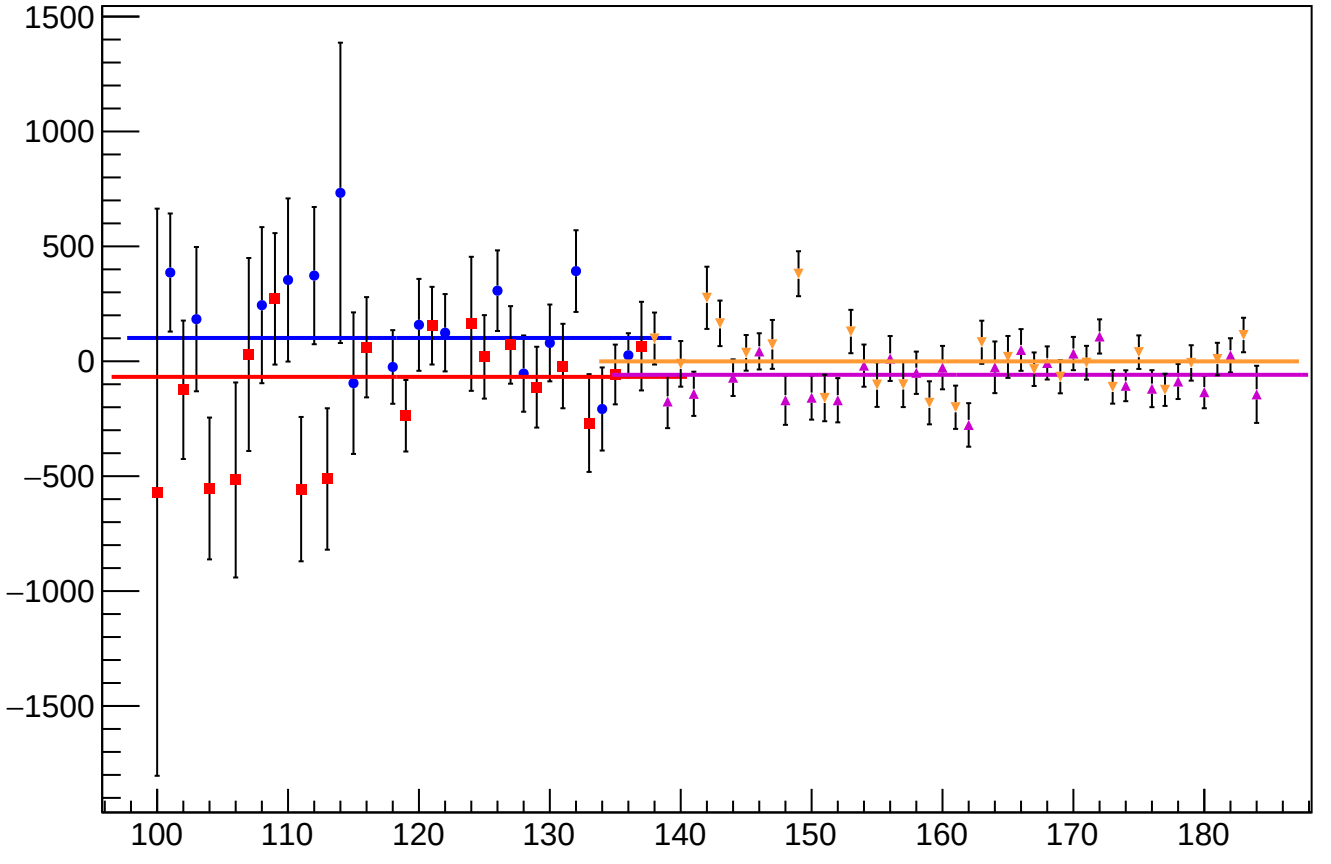
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 480.558+/-0.074 χ^2/NDF: 9759908.0/39

All: 478.927+/-0.052 χ^2/NDF: 19866153.7/81

- sign 477.259+/-0.075 χ^2/NDF: 10105256.2/41

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

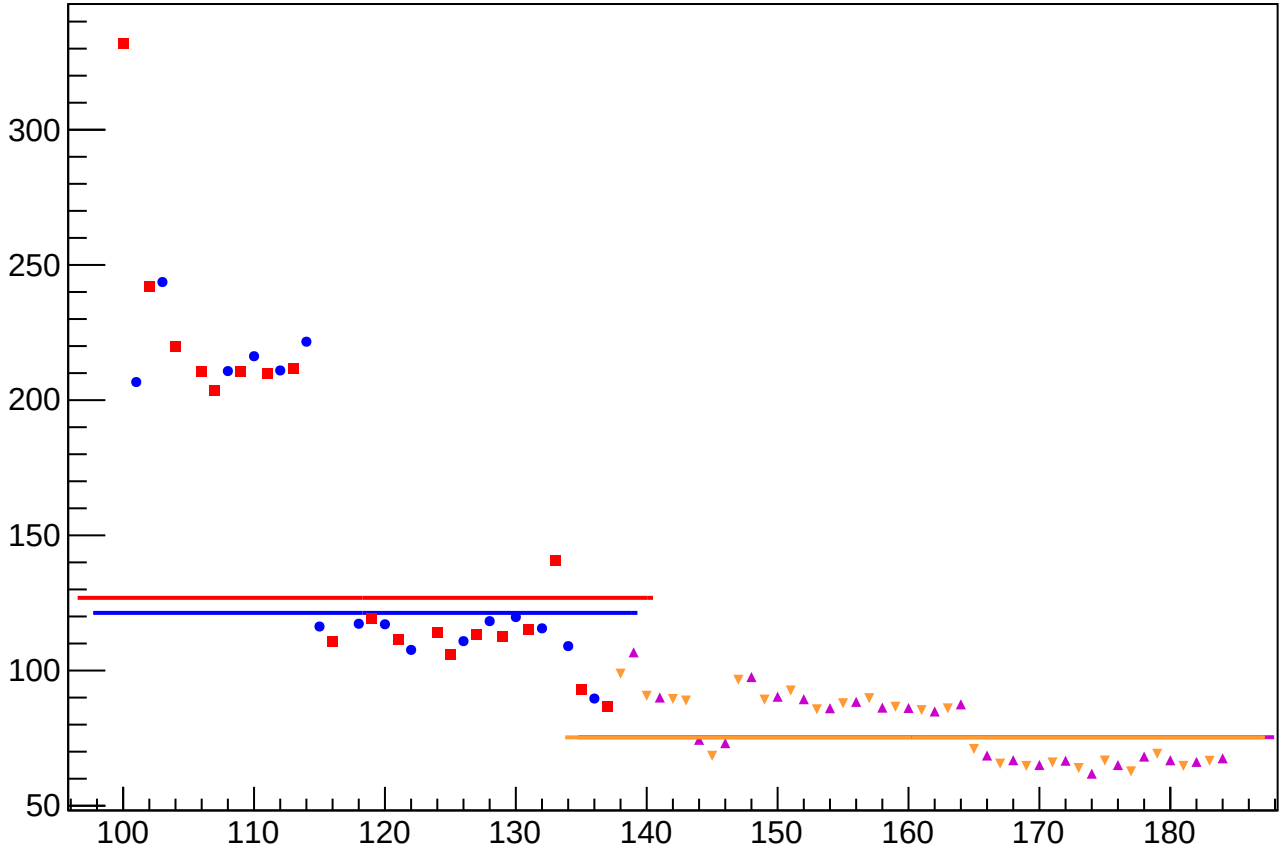
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 11.684+/-16.420 χ^2/NDF: 65.8/39

All: -23.292+/-11.746 χ^2/NDF: 117.0/81

- sign -59.946+/-16.809 χ^2/NDF: 41.9/41

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

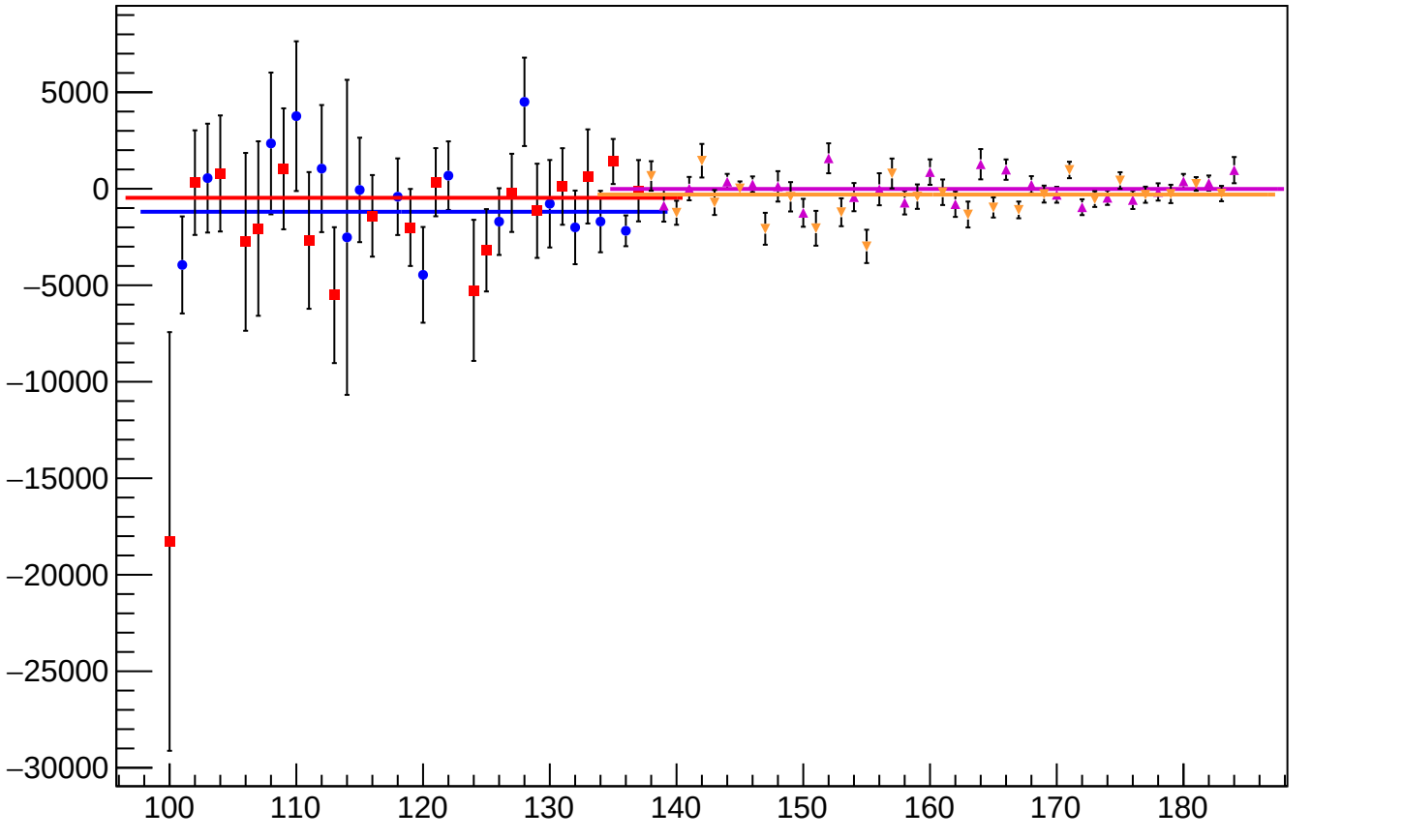
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.757+/-0.012 χ^2/NDF: 3841506.7/39

All: 81.040+/-0.008 χ^2/NDF: 8075727.6/81

- sign 81.336+/-0.012 χ^2/NDF: 4233004.4/41



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

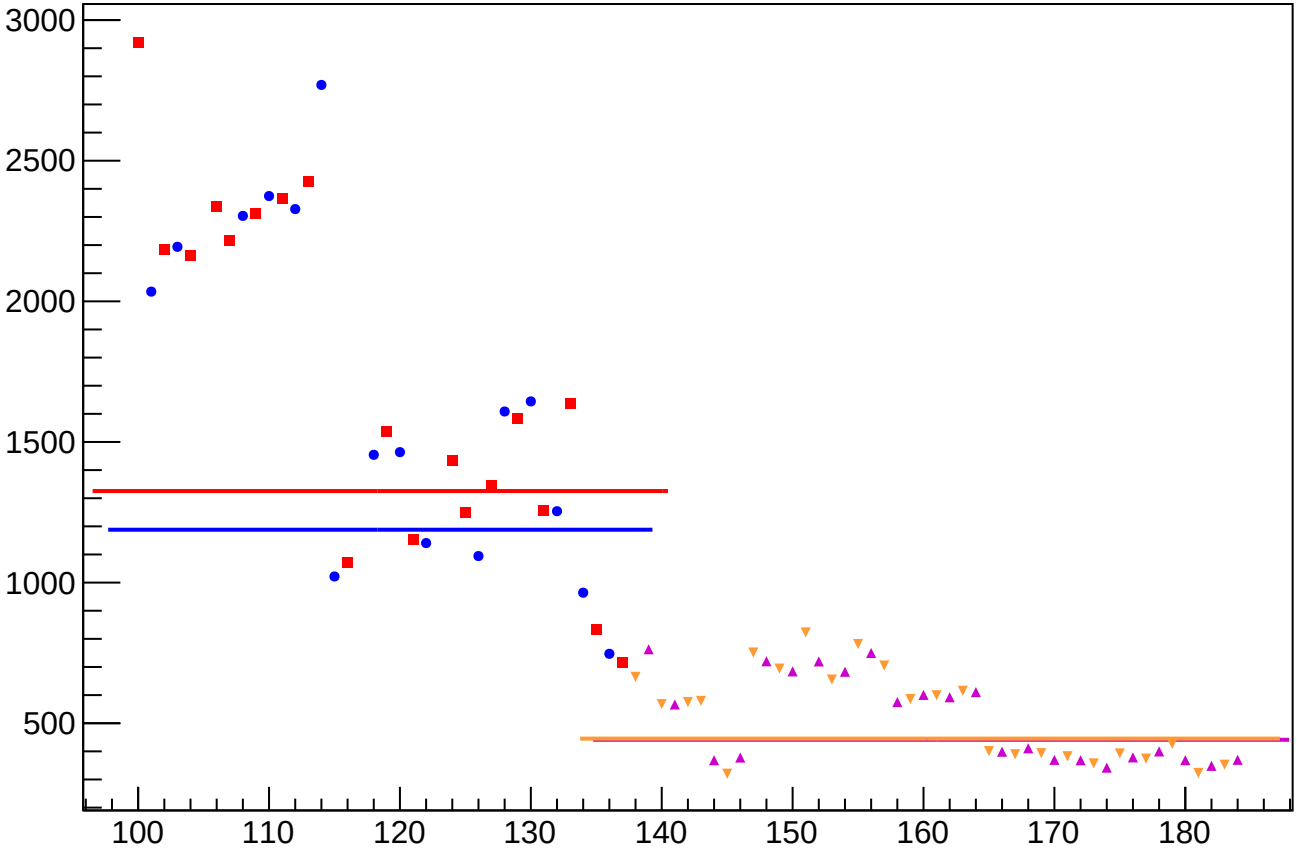
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -343.121+/-104.300 χ^2/NDF: 72.0/39

All: -187.965+/-74.155 χ^2/NDF: 124.0/81

- sign -29.365+/-105.451 χ^2/NDF: 47.5/41

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

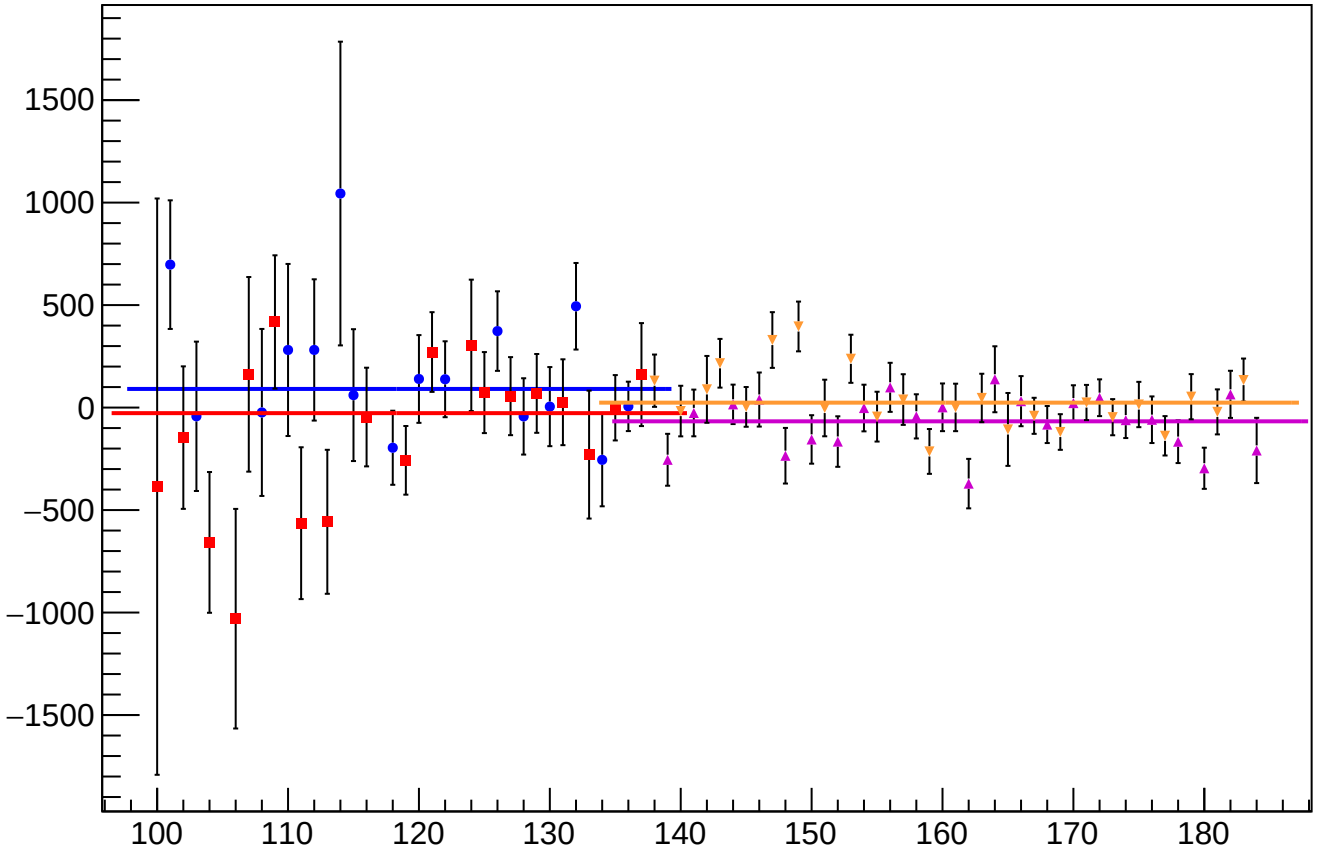
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 480.558+/-0.074 χ^2/NDF: 9759908.0/39

All: 478.927+/-0.052 χ^2/NDF: 19866153.7/81

- sign 477.259+/-0.075 χ^2/NDF: 10105256.2/41

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

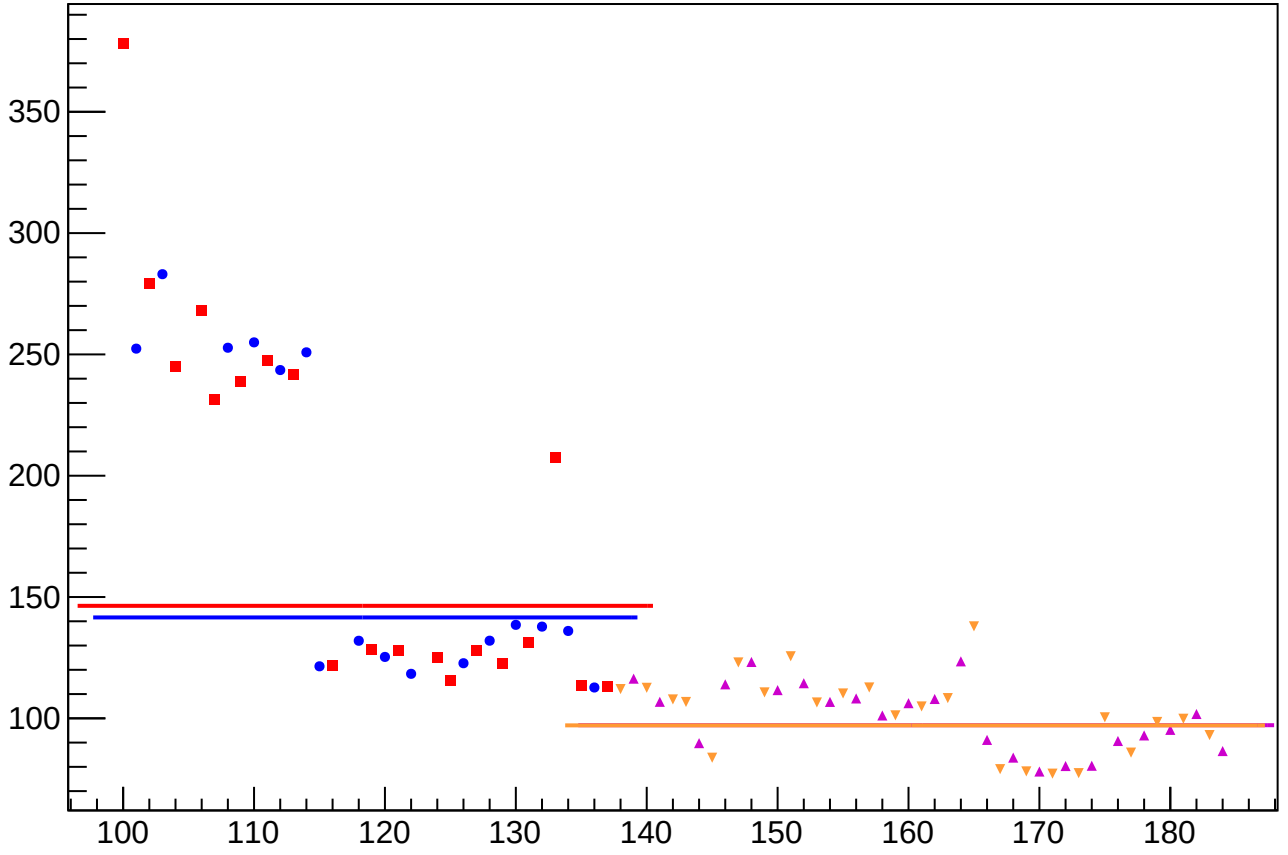
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 33.520+/-20.945 χ^2/NDF: 54.5/39

All: -12.887+/-14.978 χ^2/NDF: 114.2/81

- sign -61.449+/-21.426 χ^2/NDF: 49.6/41

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

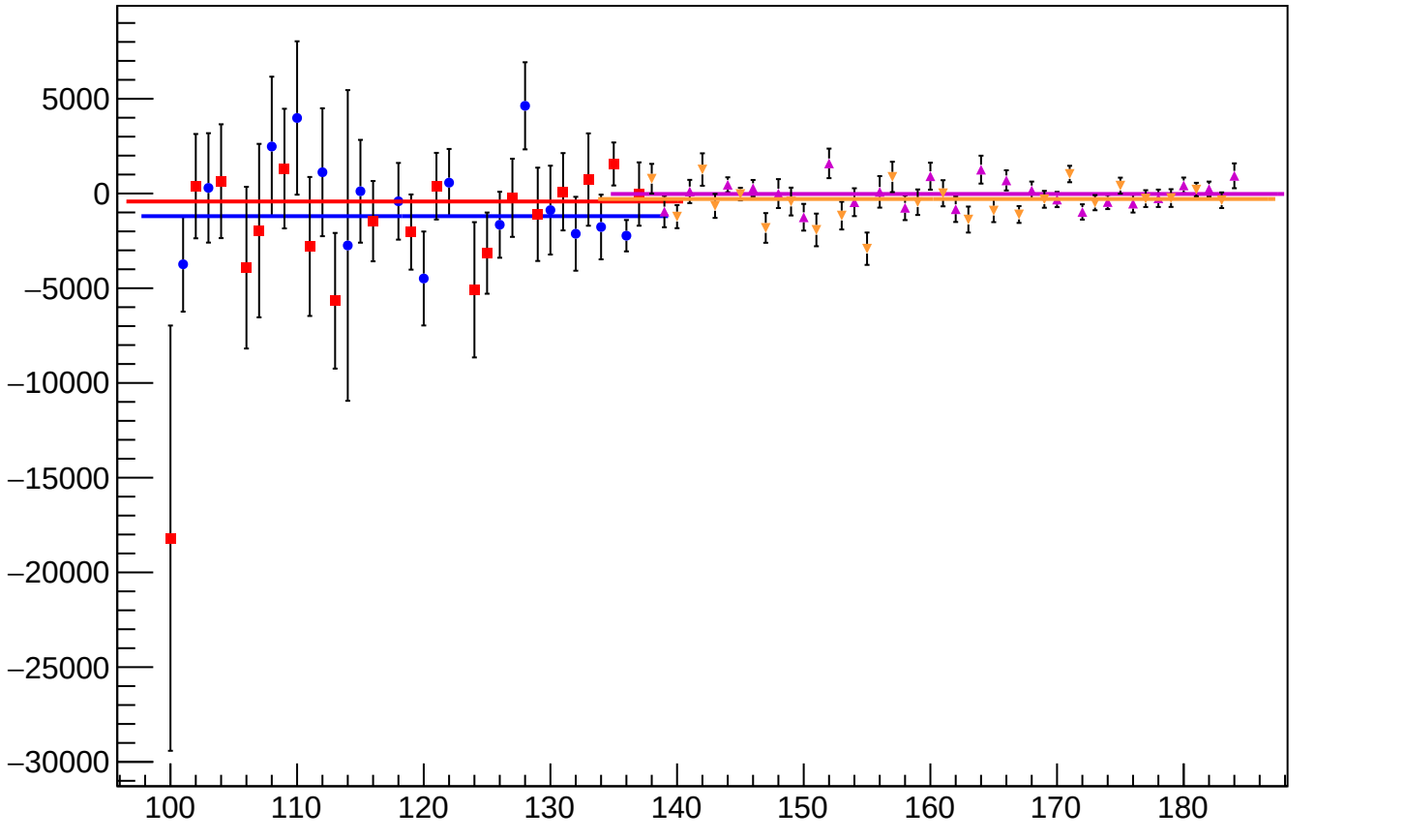
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 103.423+/-0.015 χ^2/NDF: 3287705.0/39

All: 103.761+/-0.011 χ^2/NDF: 6756043.2/81

- sign 104.116+/-0.015 χ^2/NDF: 3467267.9/41



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

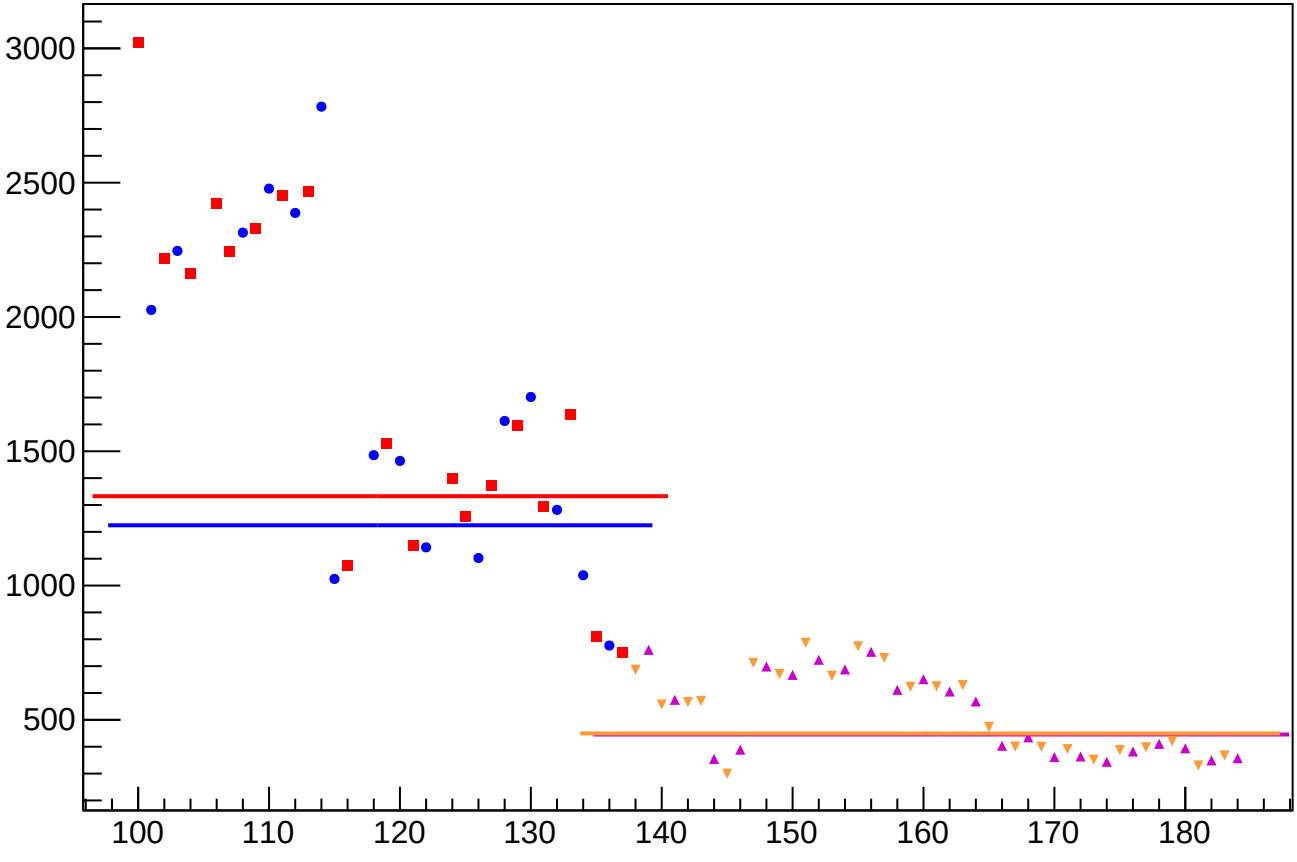
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -332.565+/-105.153 χ^2/NDF: 69.3/39

All: -188.826+/-74.862 χ^2/NDF: 120.9/81

- sign -41.090+/-106.605 χ^2/NDF: 47.8/41

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

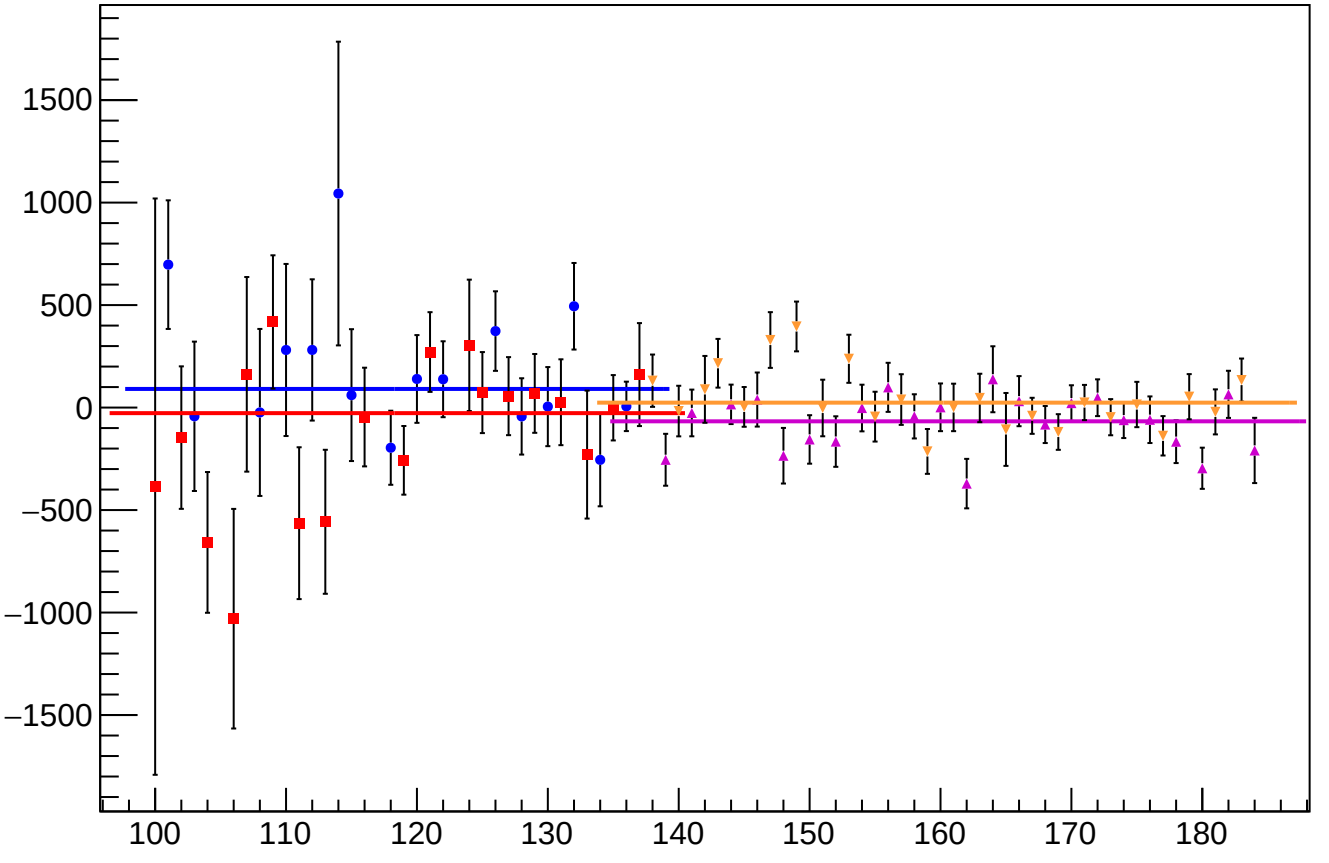
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

\+ sign 485.039+/-0.074 χ^2/NDF: 9868204.4/39

All: 483.659+/-0.053 χ^2/NDF: 20077577.7/81

\- sign 482.239+/-0.075 χ^2/NDF: 10208673.9/41

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

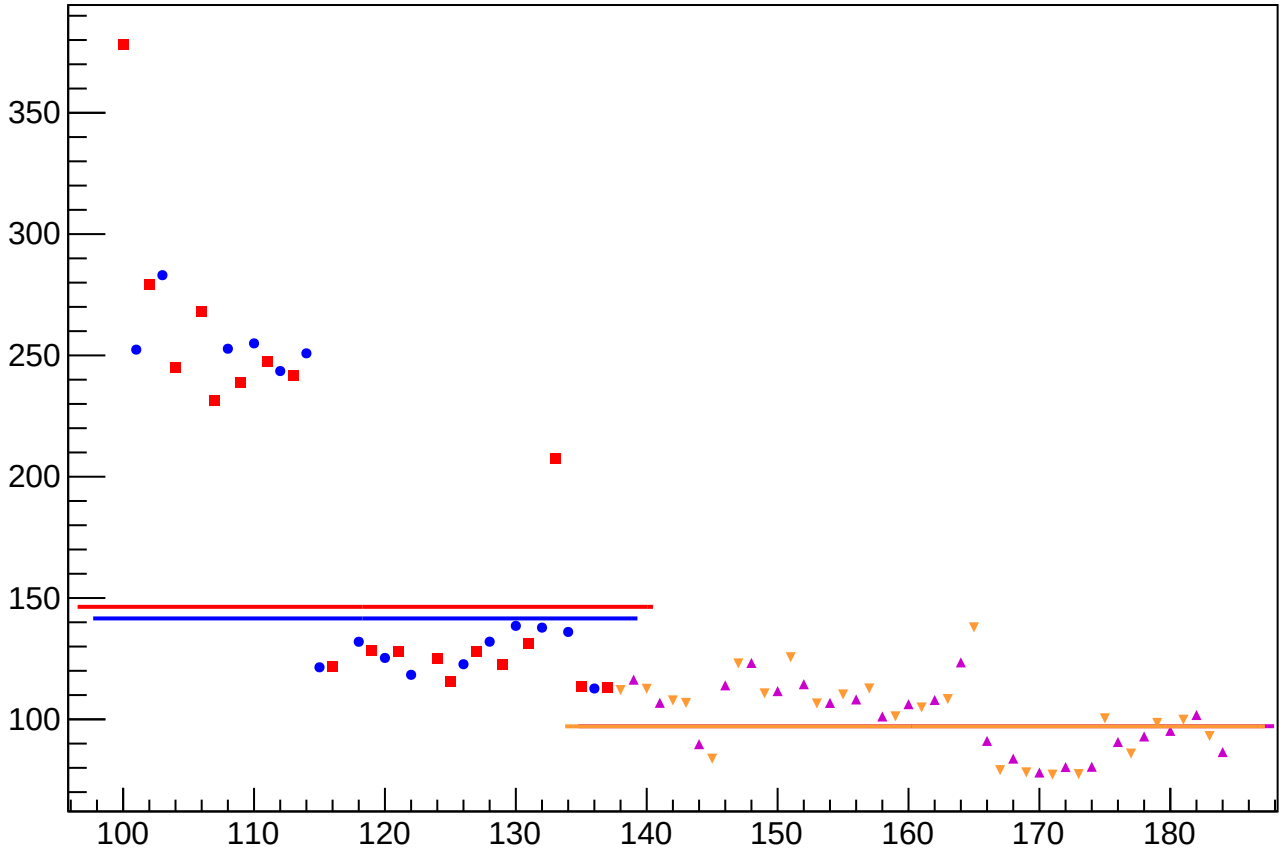
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 33.519+/-20.946 χ^2/NDF: 54.5/39

All: -12.887+/-14.978 χ^2/NDF: 114.2/81

- sign -61.448+/-21.426 χ^2/NDF: 49.6/41

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

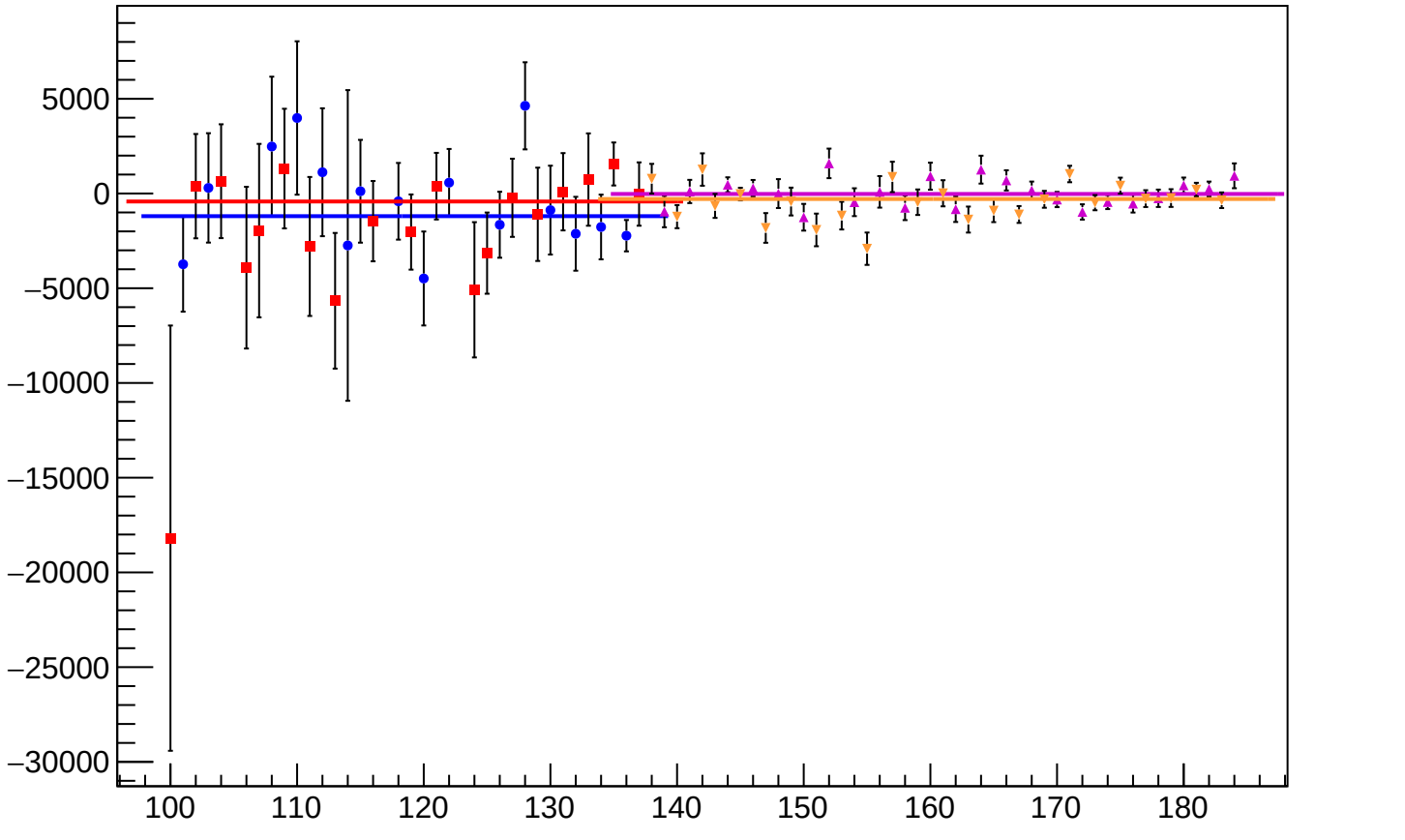
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 103.423+/-0.015 χ^2/NDF: 3287652.9/39

All: 103.762+/-0.011 χ^2/NDF: 6755934.8/81

- sign 104.116+/-0.015 χ^2/NDF: 3467211.2/41



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

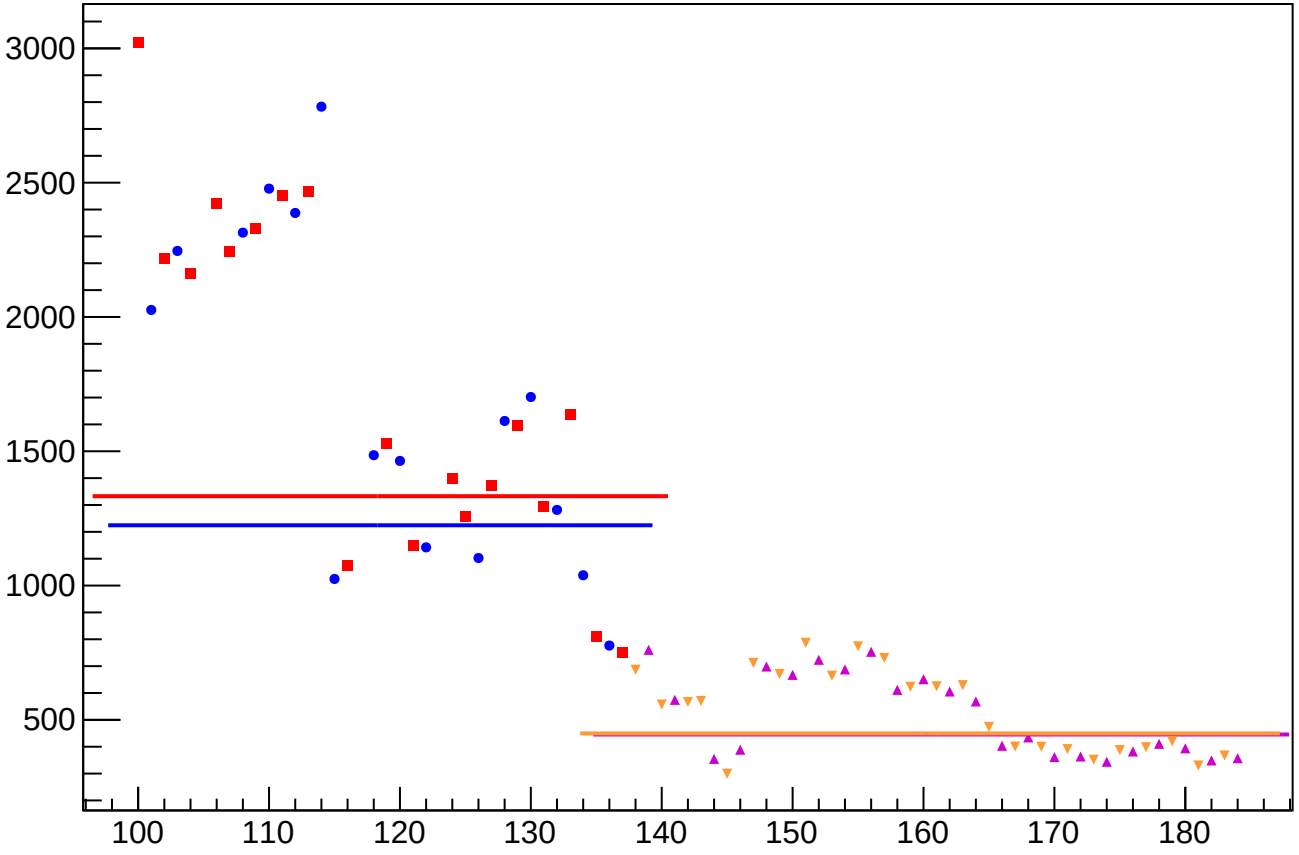
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -332.564+/-105.153 χ^2/NDF: 69.3/39

All: -188.826+/-74.862 χ^2/NDF: 120.9/81

- sign -41.090+/-106.605 χ^2/NDF: 47.8/41

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



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

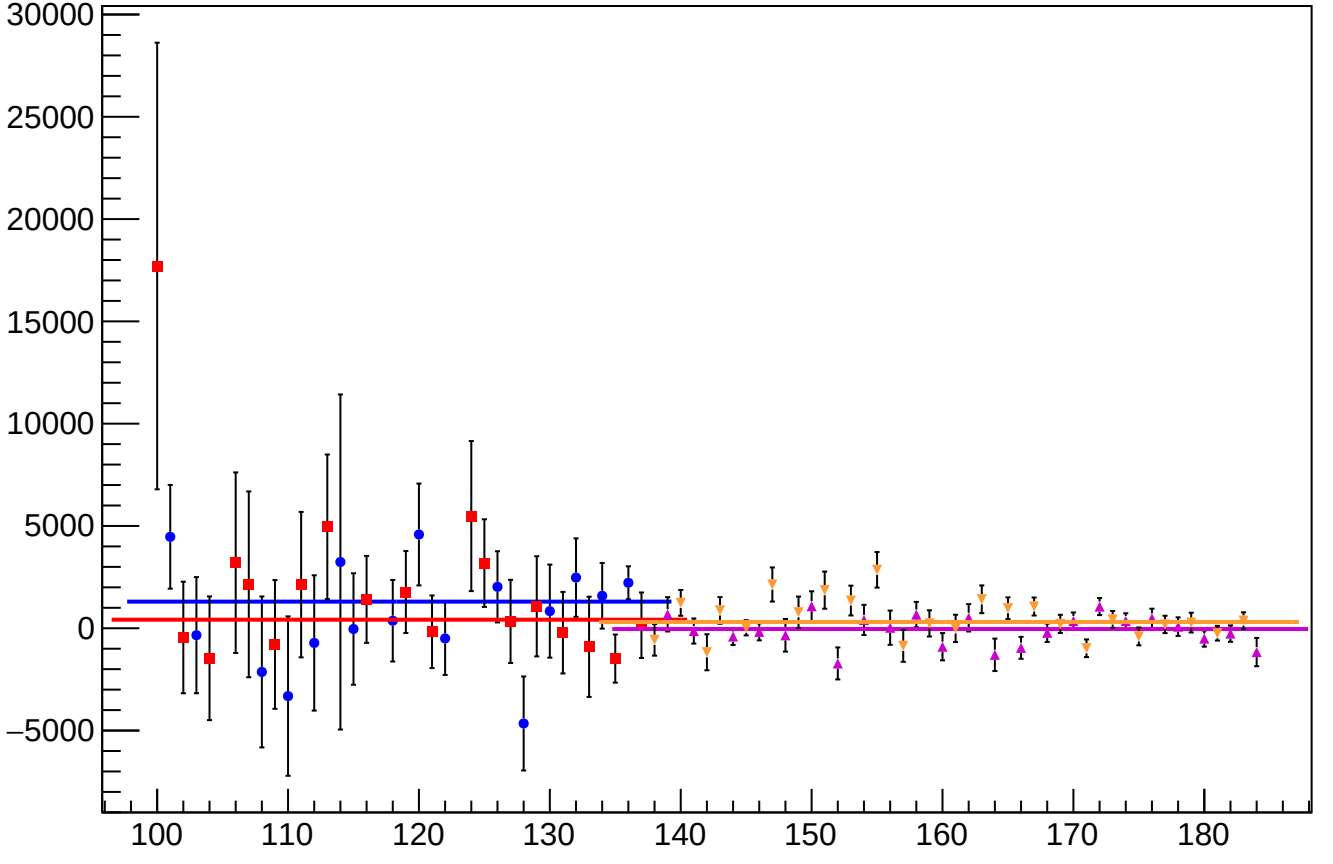
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 485.039+/-0.074 χ^2/NDF: 9868220.2/39

All: 483.658+/-0.053 χ^2/NDF: 20077593.1/81

- sign 482.239+/-0.075 χ^2/NDF: 10208673.7/41

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

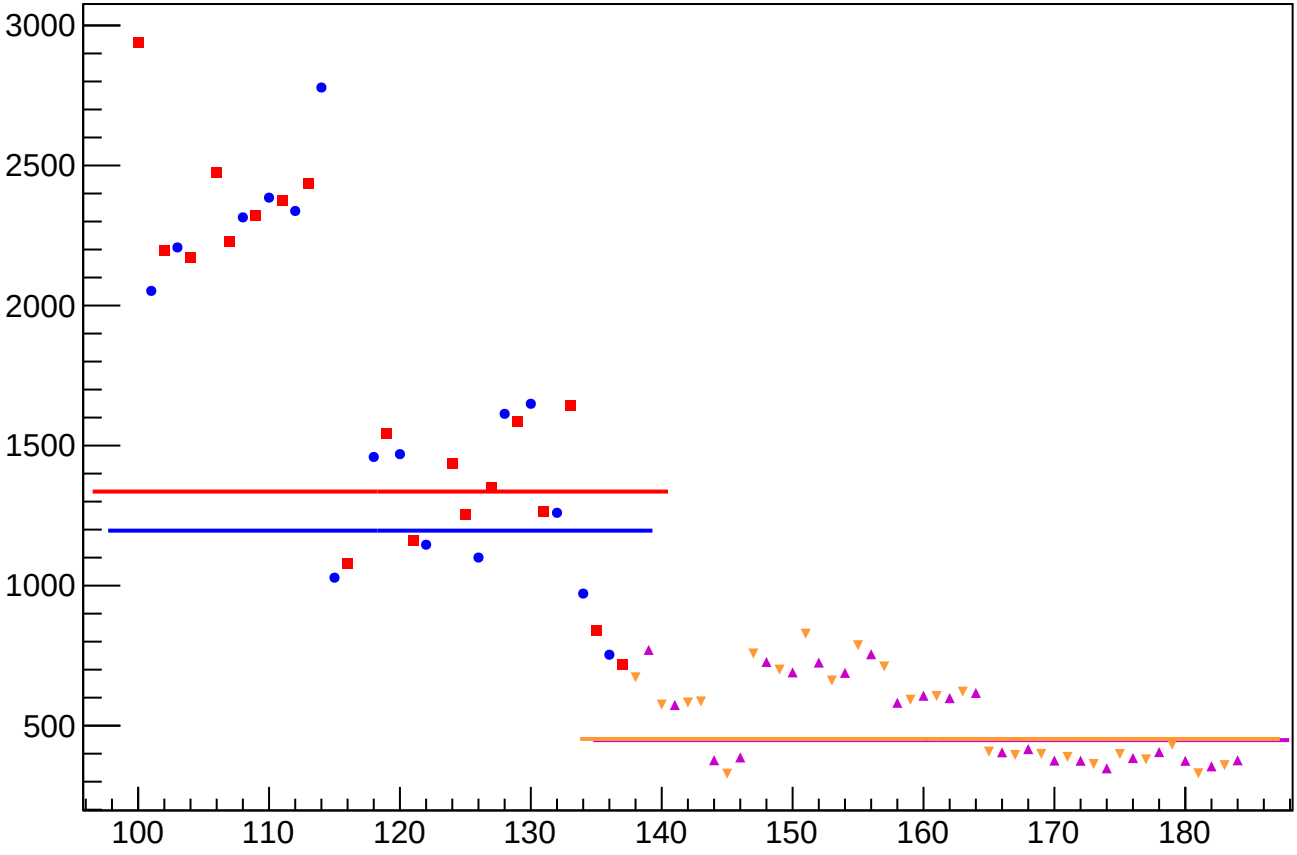
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 353.853+/-105.803 χ^2/NDF: 70.7/39

All: 169.497+/-75.239 χ^2/NDF: 123.5/81

- sign -19.108+/-107.016 χ^2/NDF: 46.7/41

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

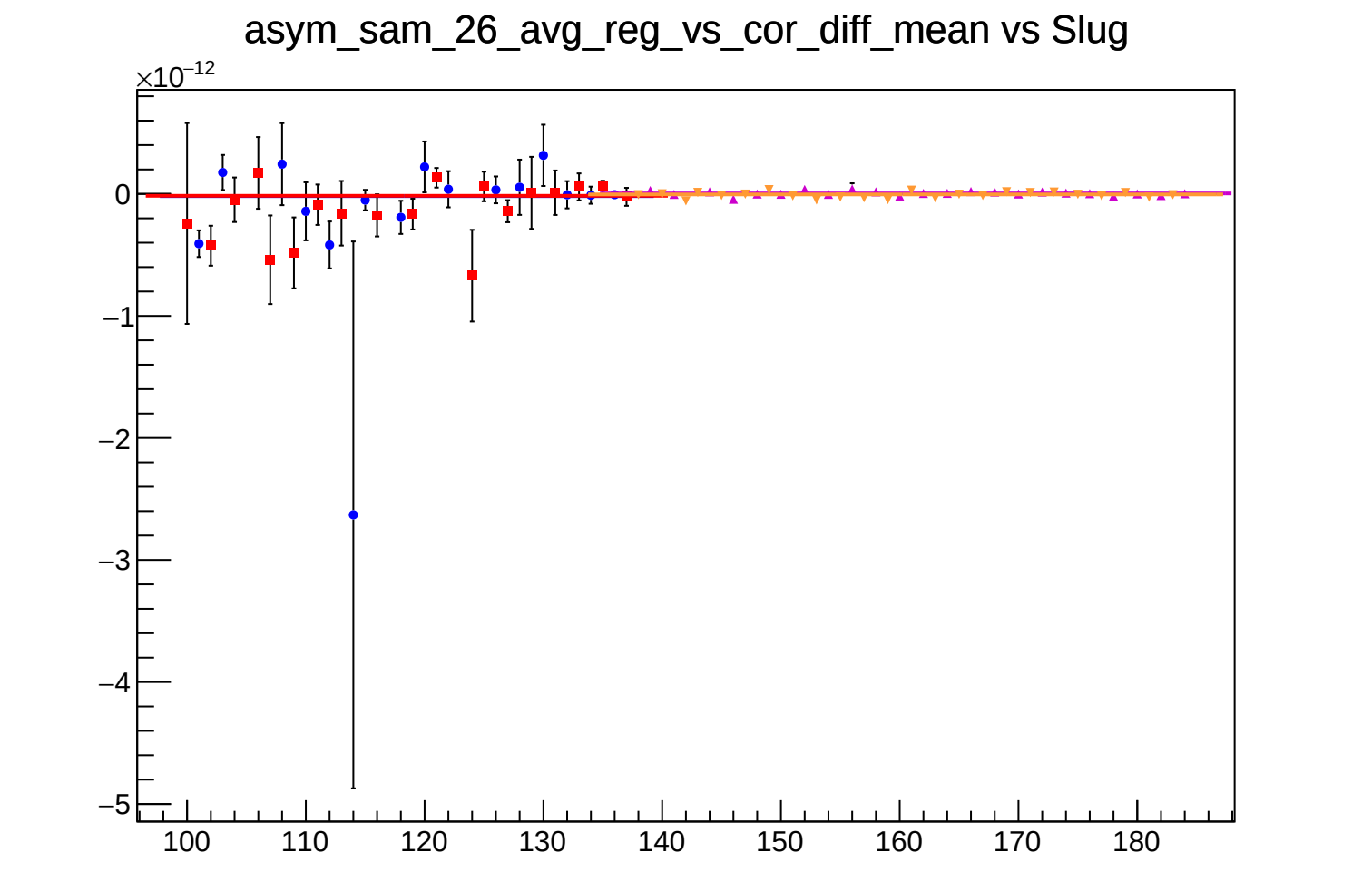
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 488.301+/-0.075 χ^2/NDF: 9625118.3/39

All: 486.836+/-0.053 χ^2/NDF: 19684665.7/81

- sign 485.338+/-0.076 χ^2/NDF: 10058772.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/23

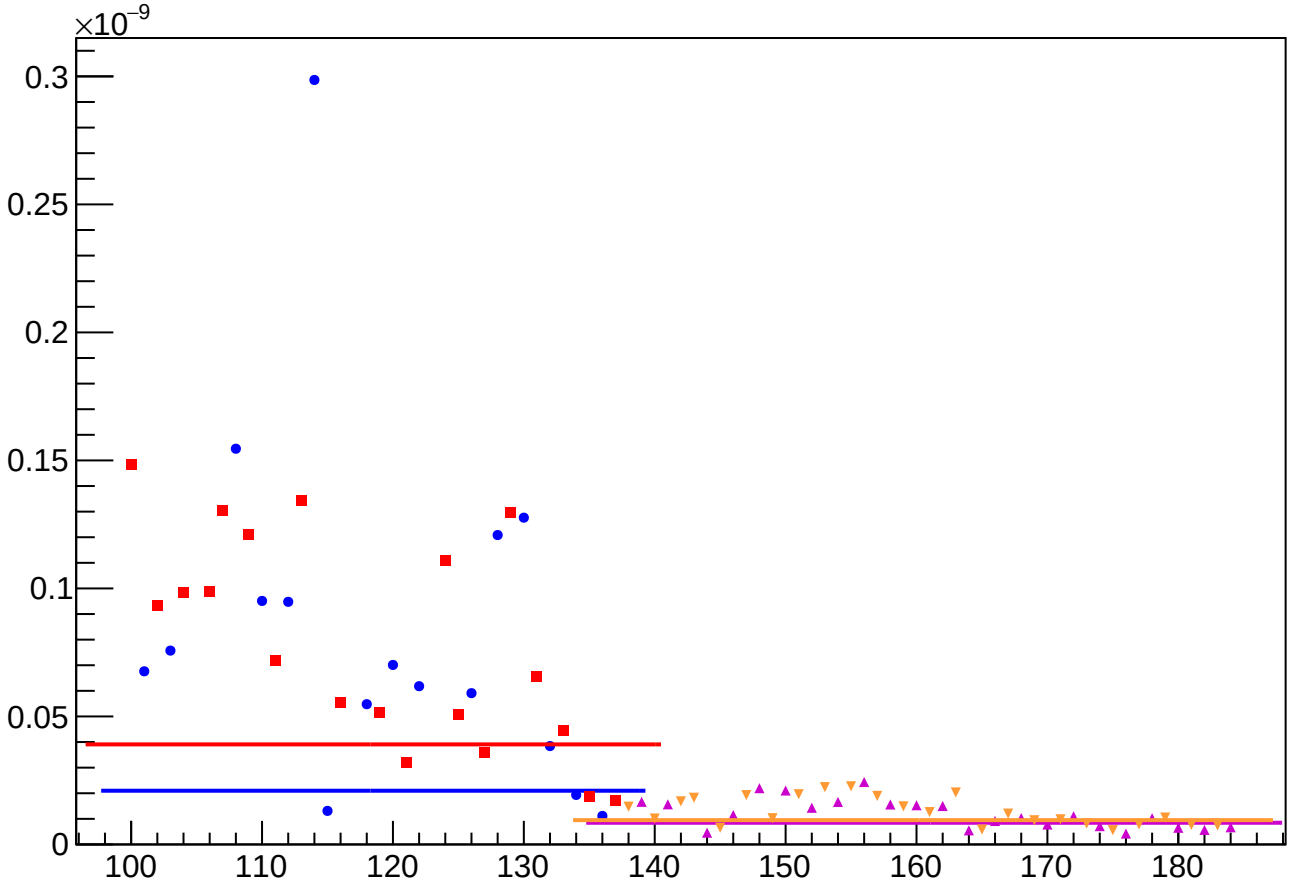
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/39

All: -0.000+/-0.000 χ^2/NDF: 93.9/81

- sign 0.000+/-0.000 χ^2/NDF: 42.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2421822.2/23

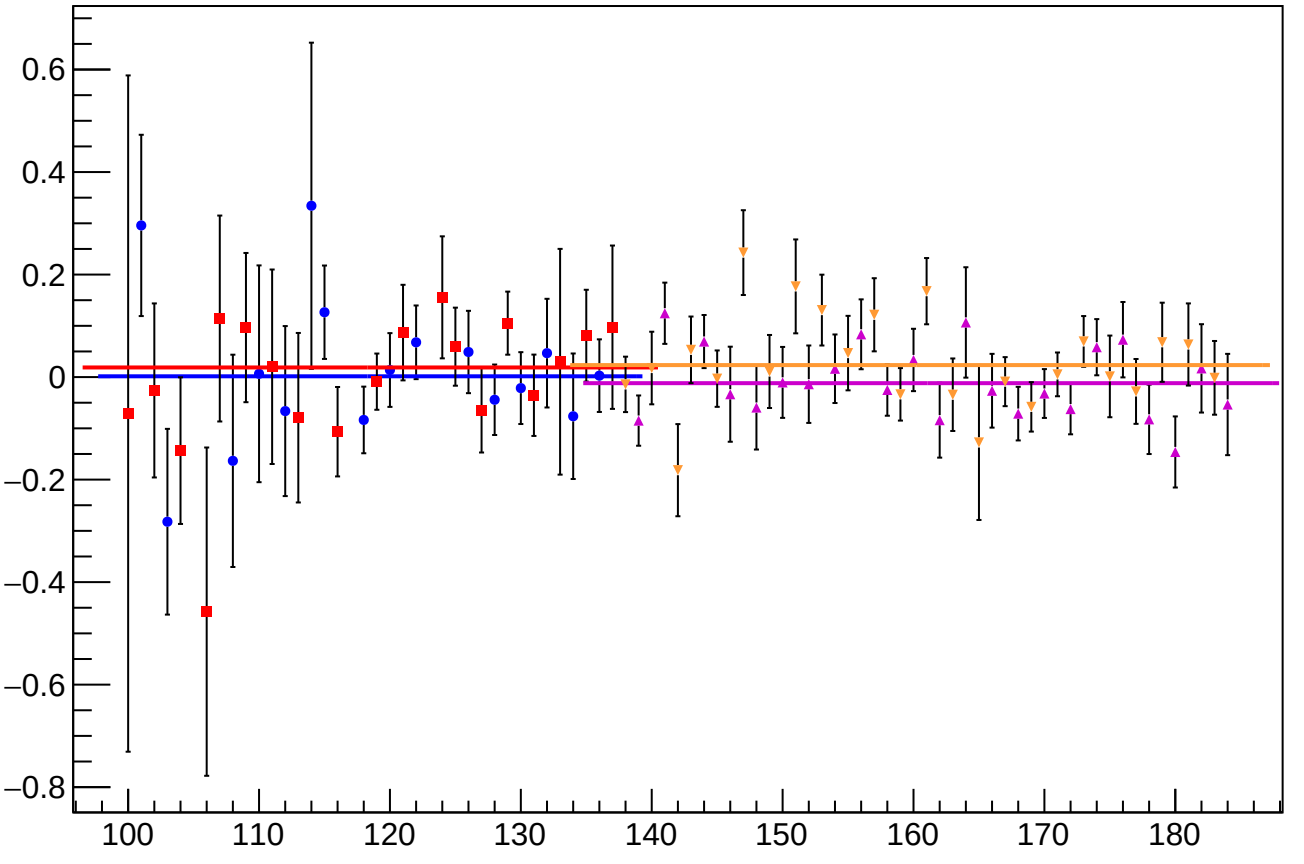
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6597104.4/39

All: 0.000+/-0.000 χ^2/NDF: 13896397.7/81

- sign 0.000+/-0.000 χ^2/NDF: 7231244.0/41



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

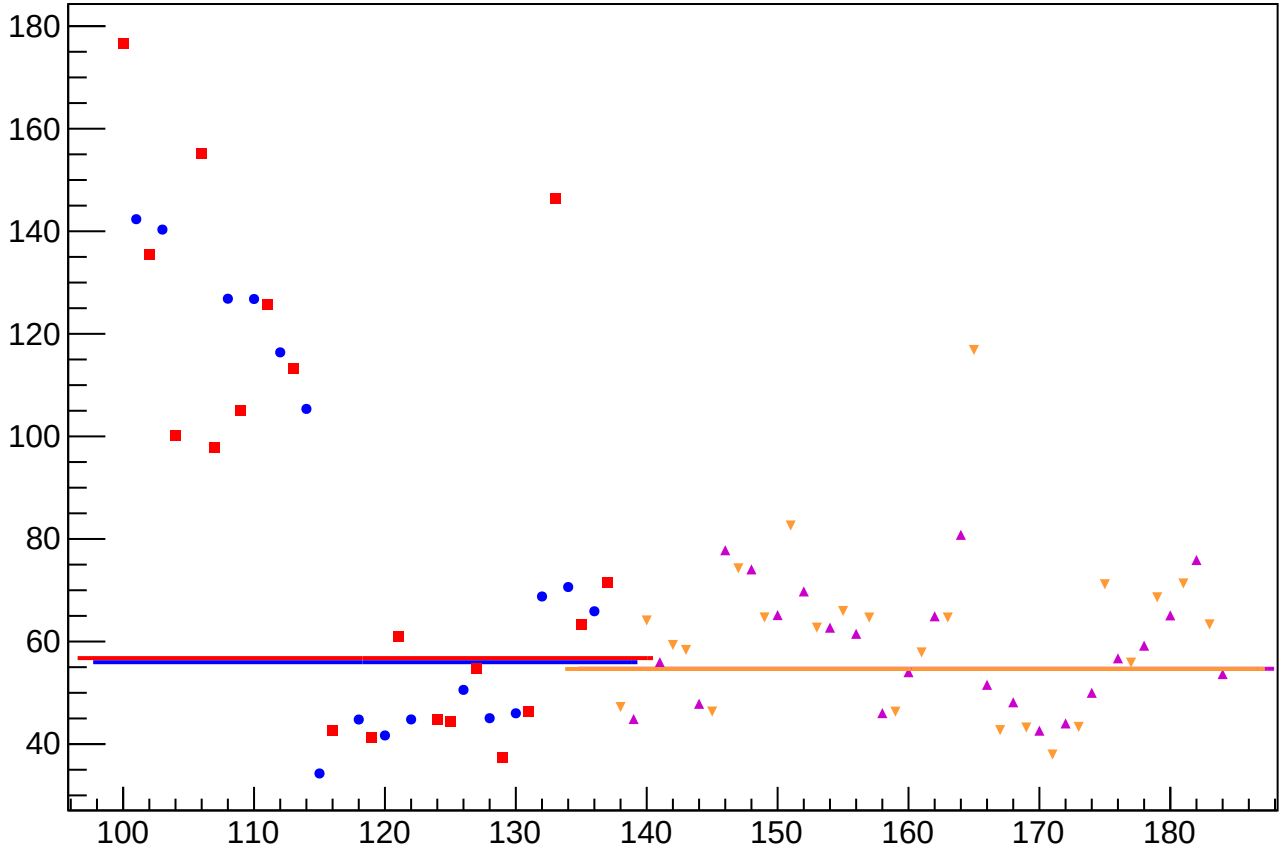
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/39

All: 0.007+/-0.008 χ^2/NDF: 90.1/81

- sign -0.004+/-0.012 χ^2/NDF: 40.3/41

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

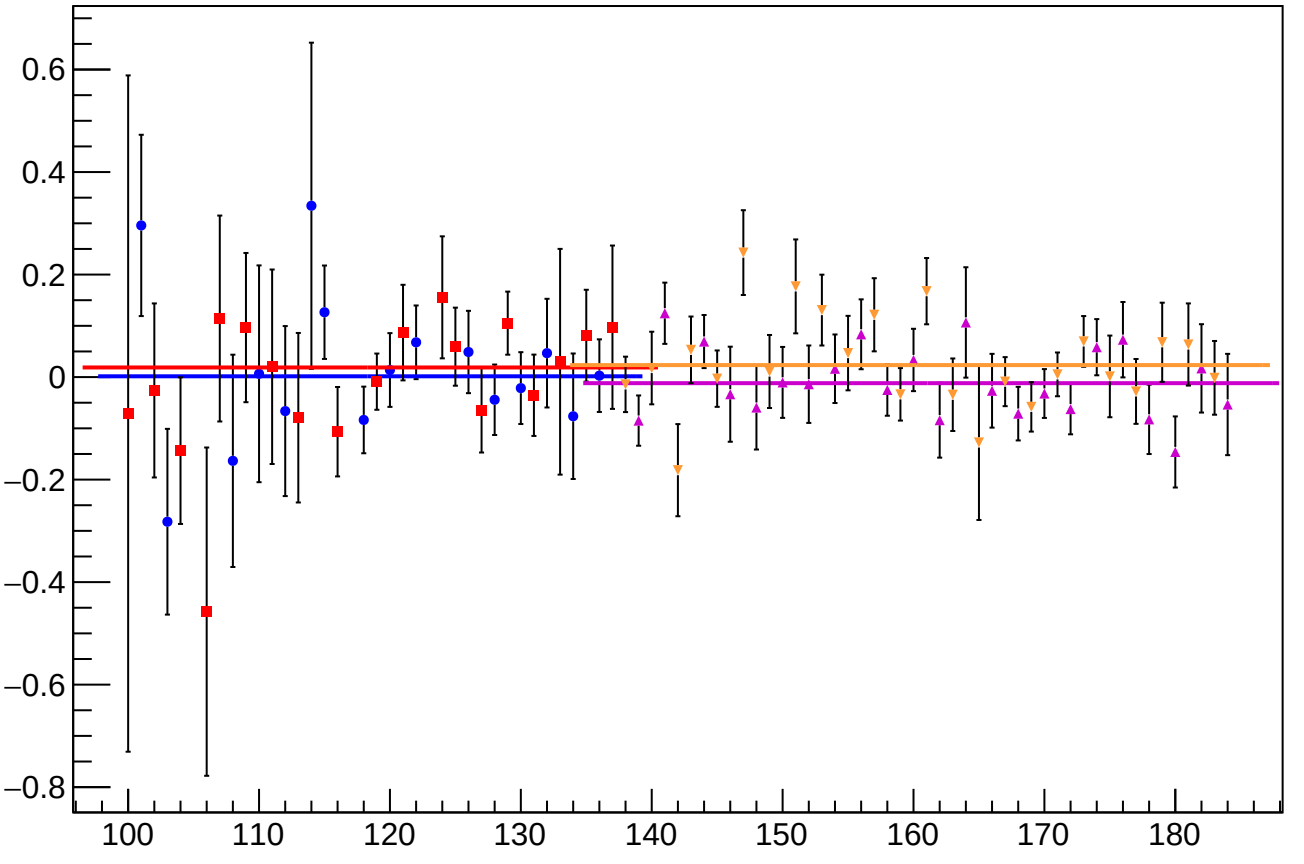
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 54.961+/-0.008 χ^2/NDF: 4120087.5/39

All: 55.074+/-0.006 χ^2/NDF: 7876394.4/81

- sign 55.190+/-0.008 χ^2/NDF: 3755908.0/41



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

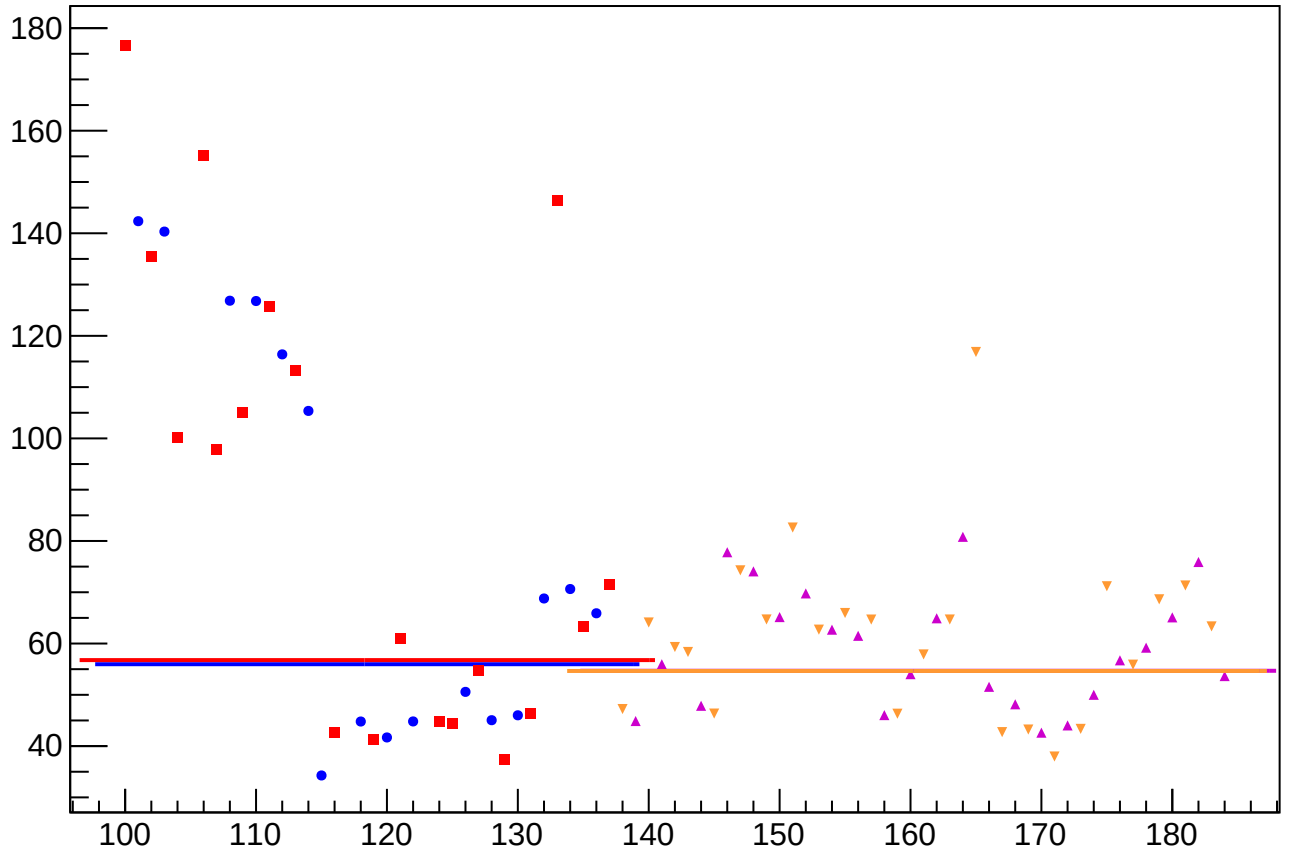
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/39

All: 0.007+/-0.008 χ^2/NDF: 90.1/81

- sign -0.004+/-0.012 χ^2/NDF: 40.3/41



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 54.650+/-0.009 χ^2/NDF:1935418.8/23

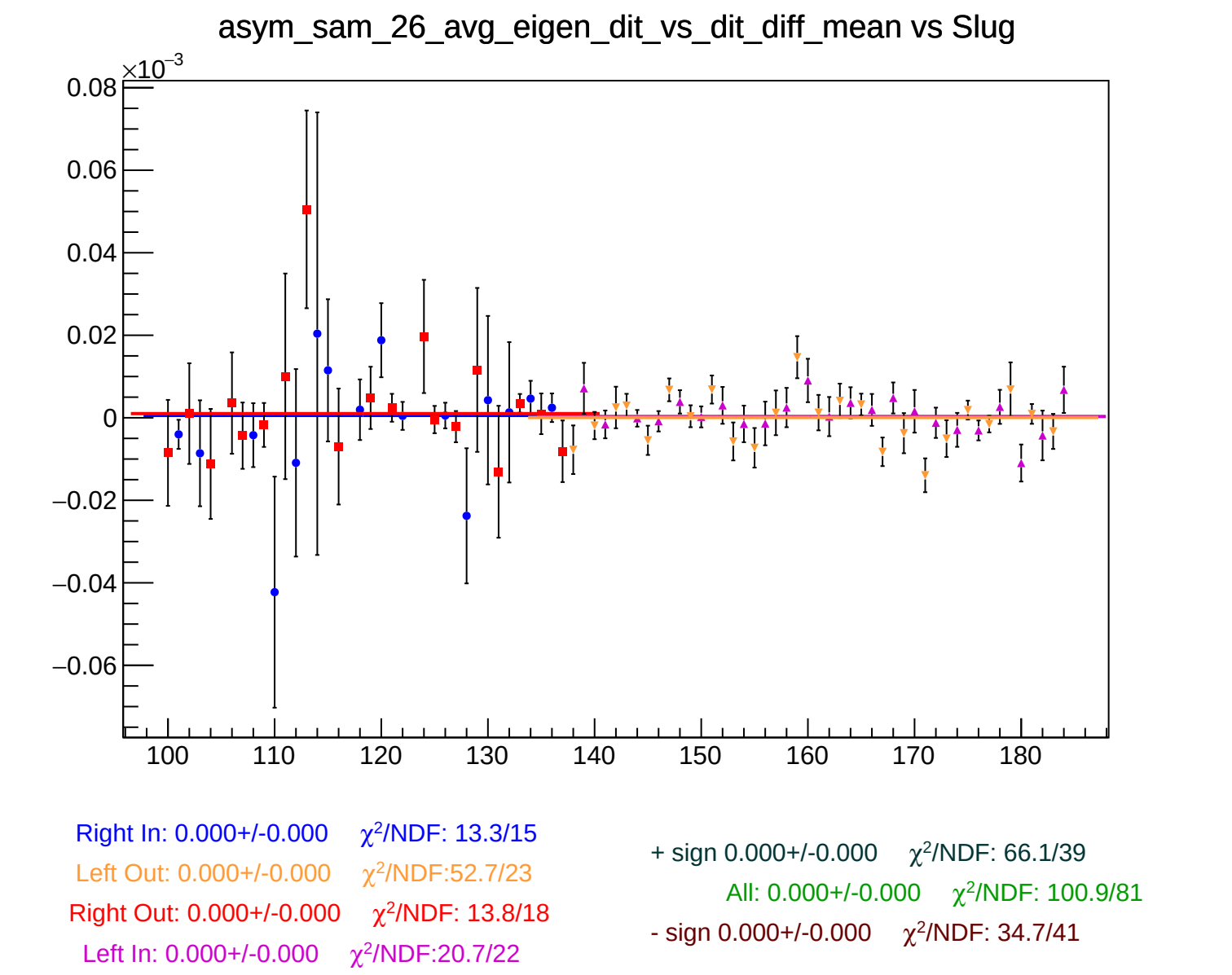
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

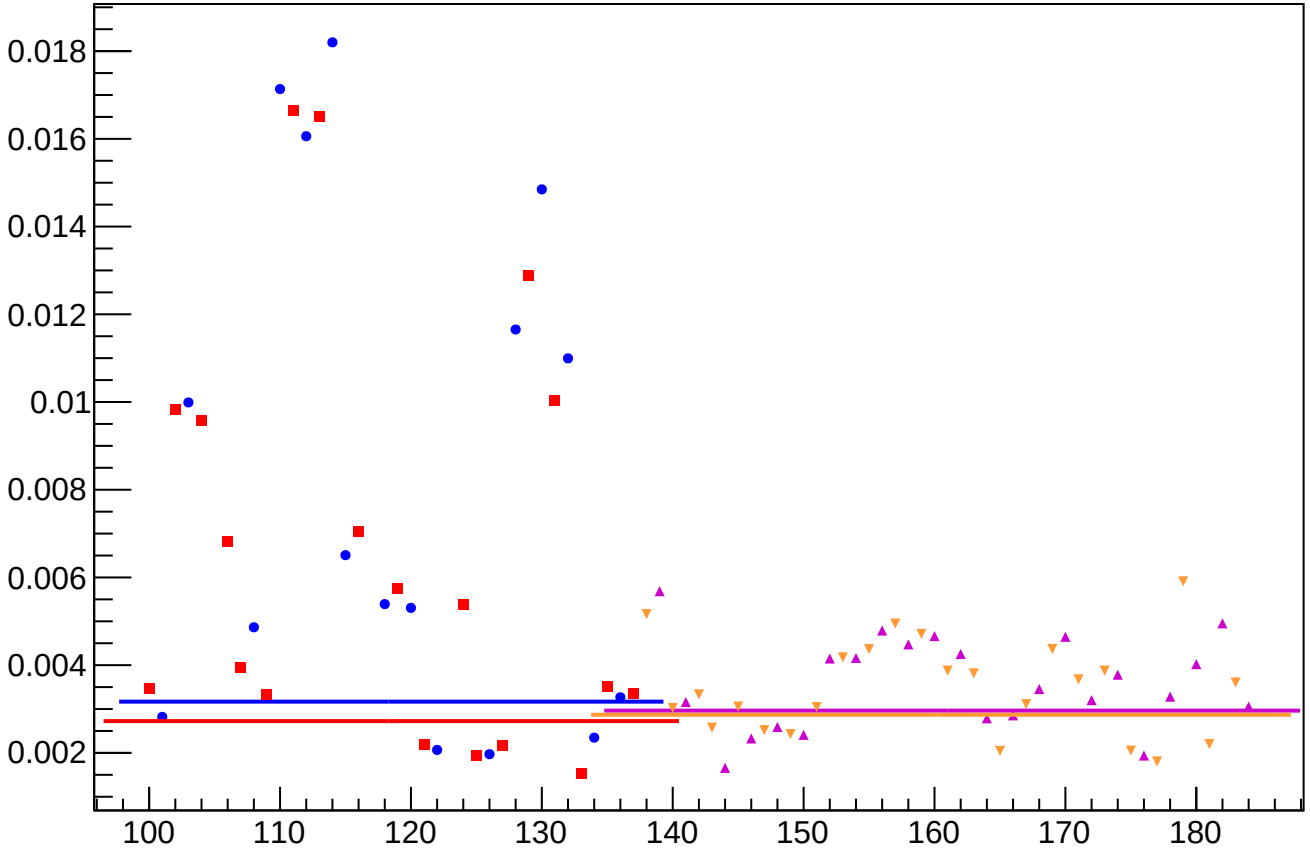
+ sign 54.961+/-0.008 χ^2/NDF: 4120087.5/39

All: 55.074+/-0.006 χ^2/NDF: 7876394.4/81

- sign 55.190+/-0.008 χ^2/NDF: 3755908.0/41


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
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:52.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 13.8/18
Left In: 0.000+/-0.000 χ²/NDF:20.7/22
+ sign 0.000+/-0.000 χ²/NDF: 66.1/39
All: 0.000+/-0.000 χ²/NDF: 100.9/81
- sign 0.000+/-0.000 χ²/NDF: 34.7/41

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

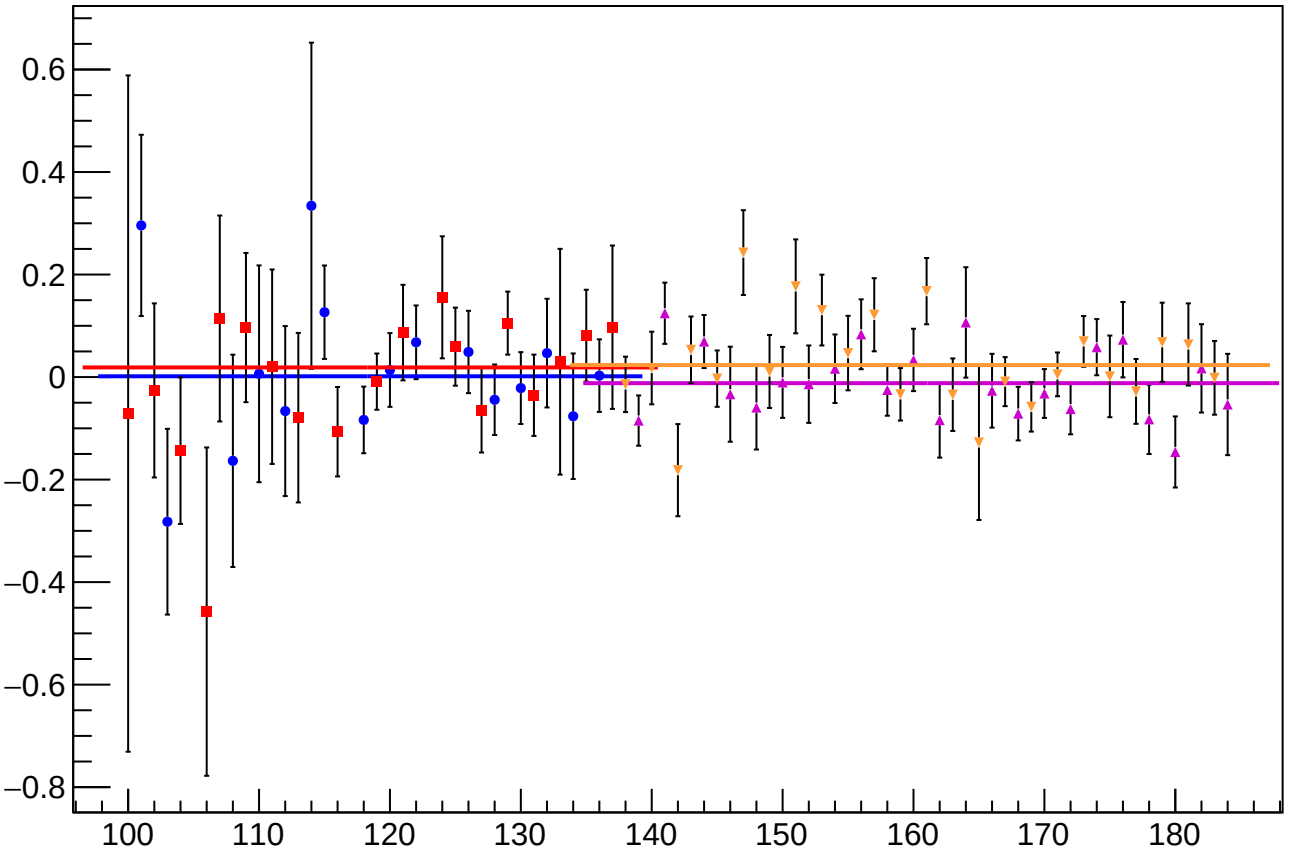
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8213821.1/39

All: 0.003+/-0.000 χ^2/NDF: 17039786.3/81

- sign 0.003+/-0.000 χ^2/NDF: 8824614.4/41



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

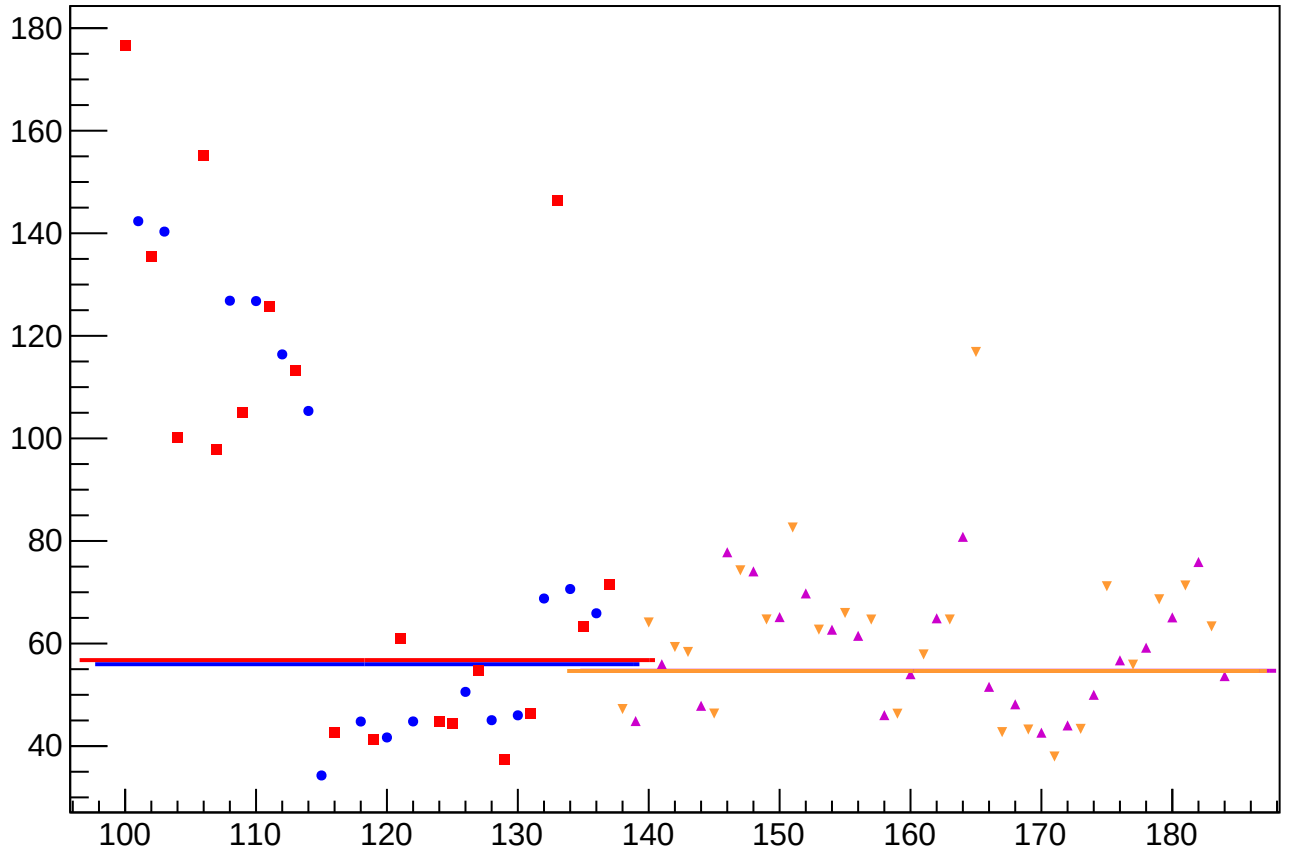
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/39

All: 0.007+/-0.008 χ^2/NDF: 90.1/81

- sign -0.004+/-0.012 χ^2/NDF: 40.3/41



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 54.651+/-0.009 χ^2/NDF:1935412.9/23

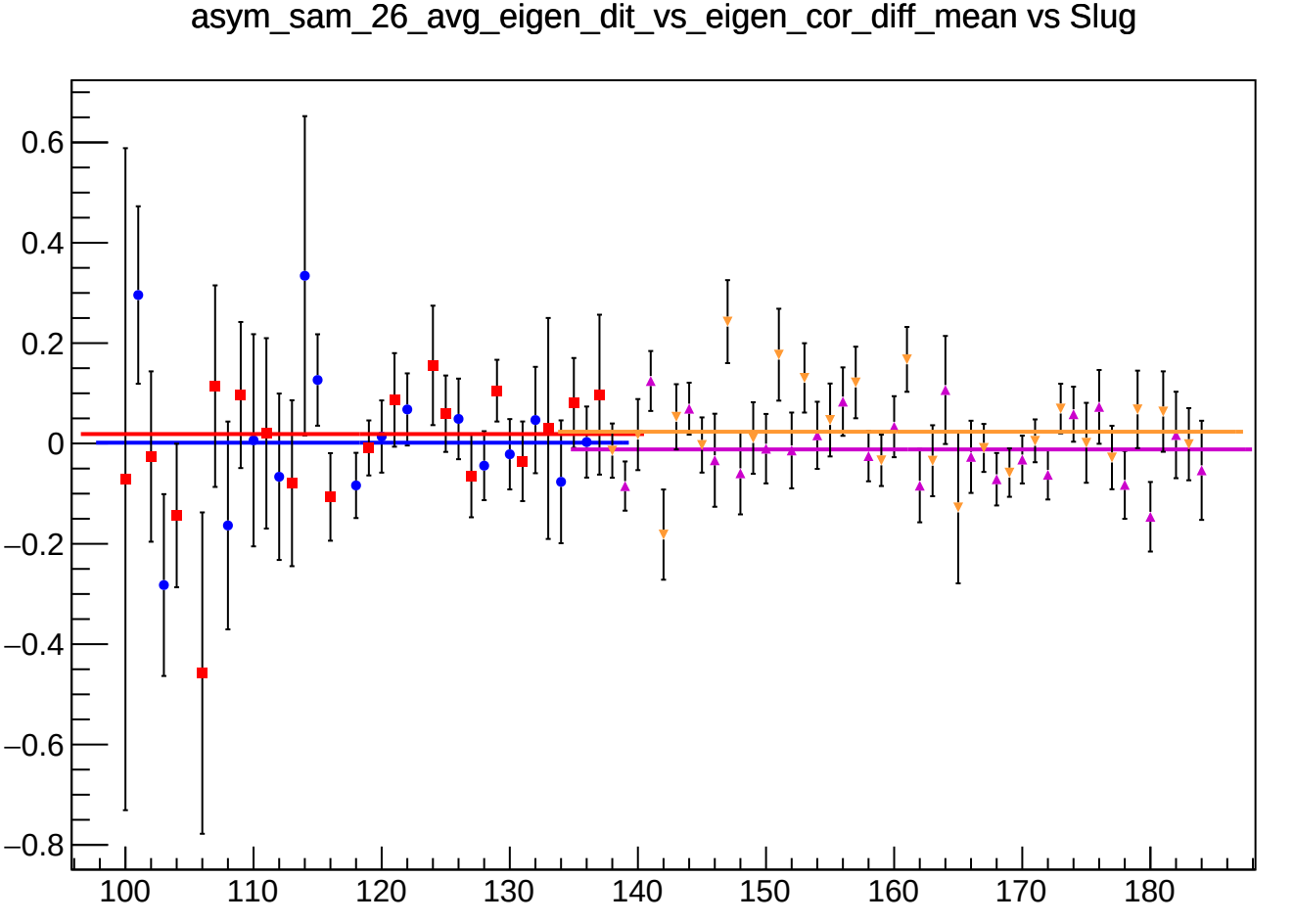
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 54.962+/-0.008 χ^2/NDF: 4120004.4/39

All: 55.074+/-0.006 χ^2/NDF: 7876212.1/81

- sign 55.191+/-0.008 χ^2/NDF: 3755808.5/41



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:34.1/23

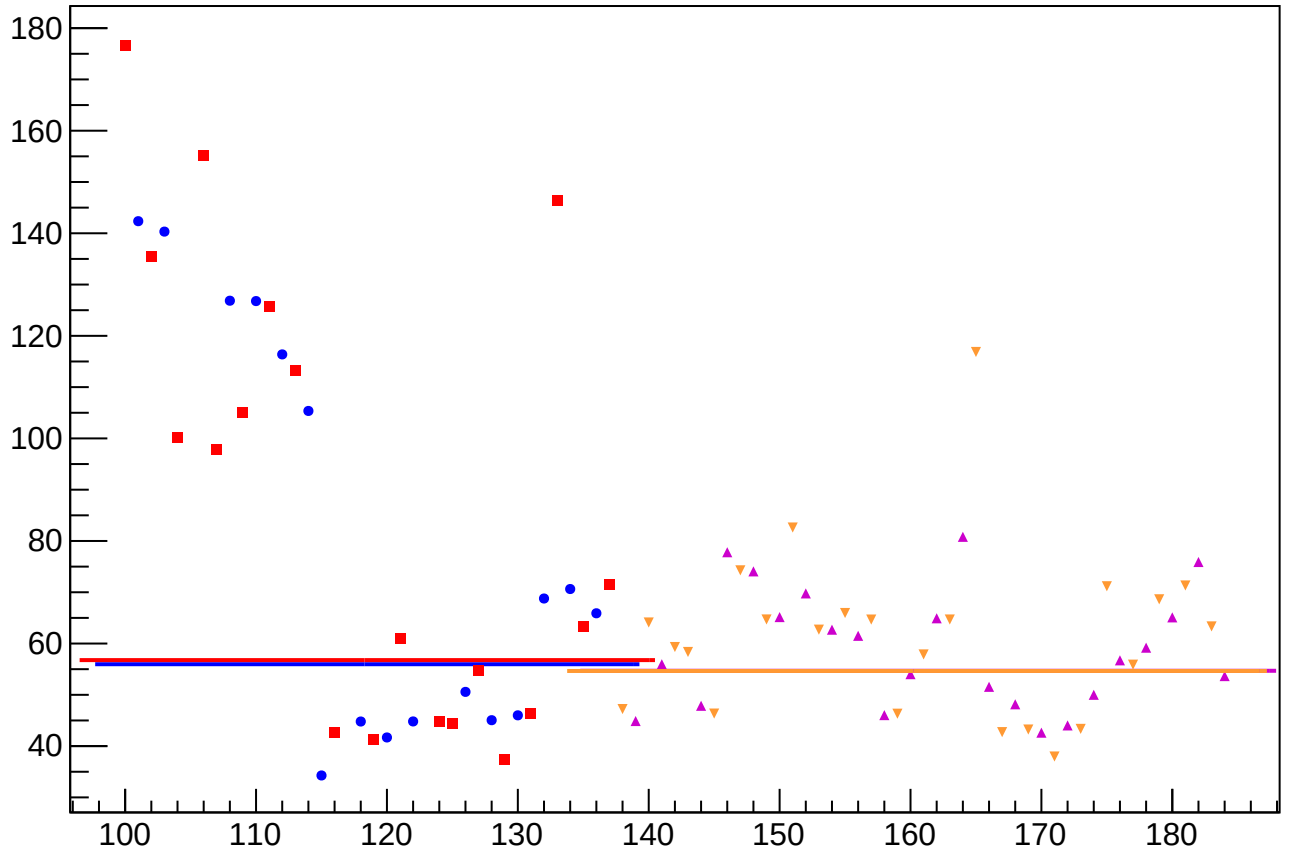
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/39

All: 0.007+/-0.008 χ^2/NDF: 90.1/81

- sign -0.004+/-0.012 χ^2/NDF: 40.3/41



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 54.651+/-0.009 χ^2/NDF:1935412.9/23

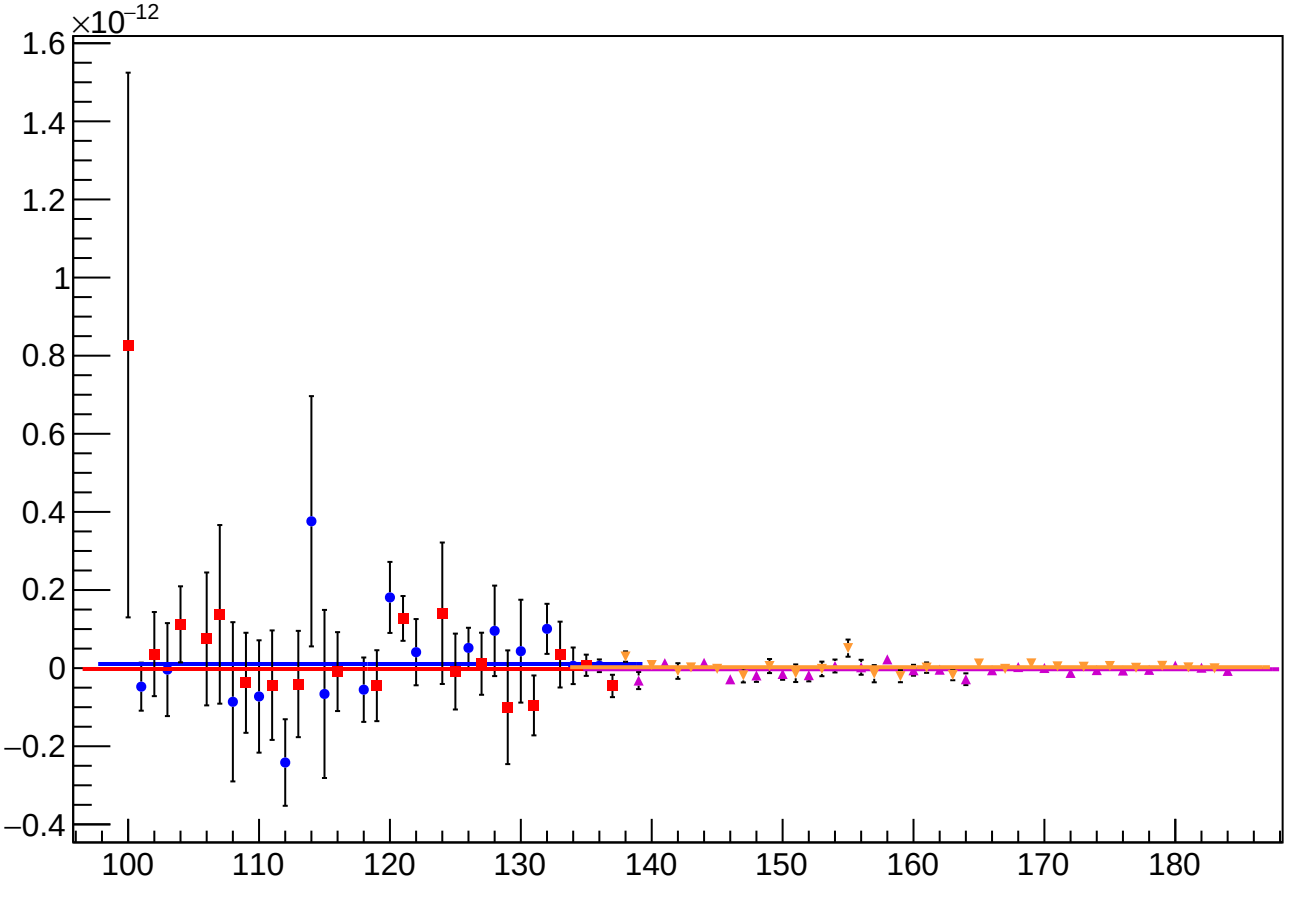
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 54.962+/-0.008 χ^2/NDF: 4120004.4/39

All: 55.074+/-0.006 χ^2/NDF: 7876212.1/81

- sign 55.191+/-0.008 χ^2/NDF: 3755808.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/23

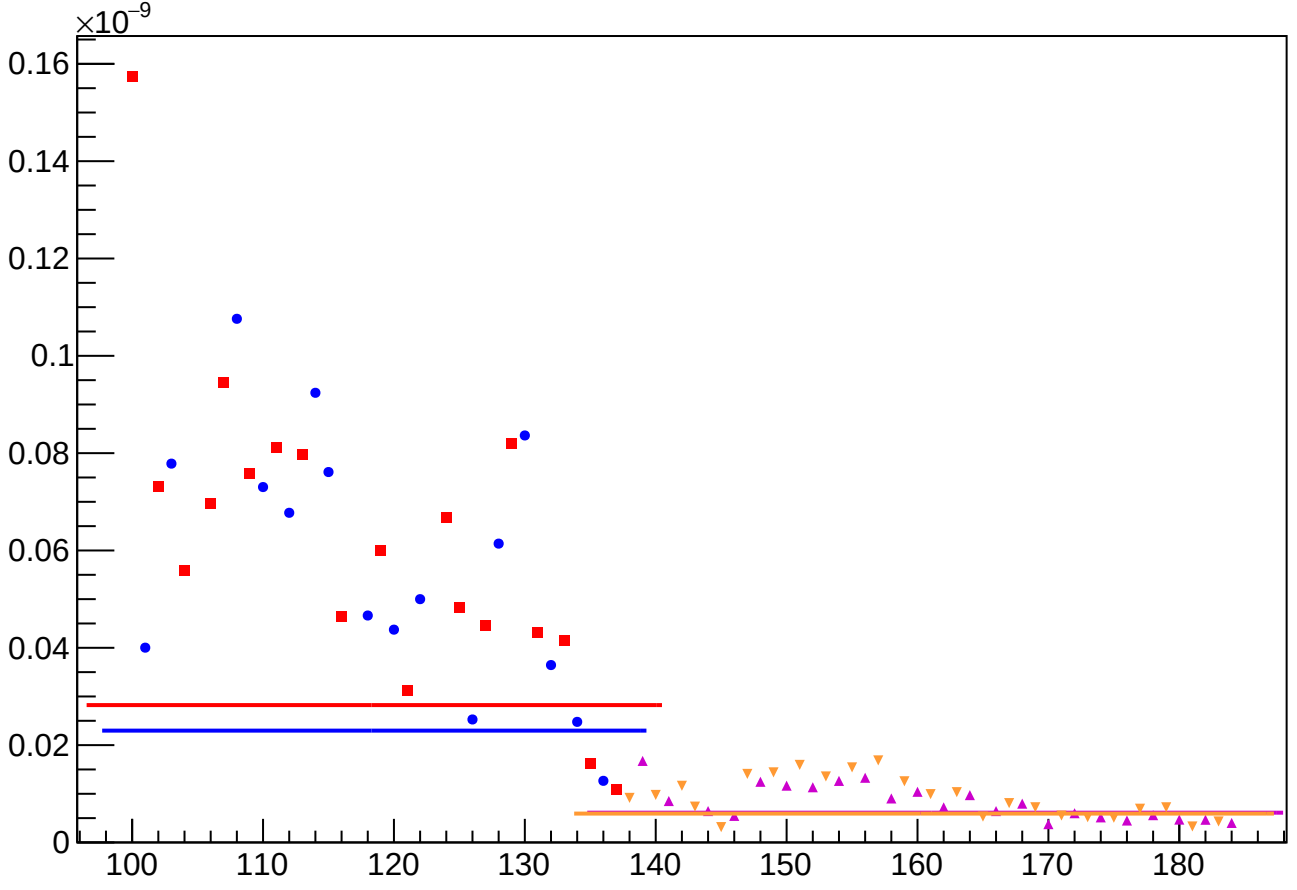
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.3/39

All: -0.000+/-0.000 χ^2/NDF: 87.7/81

- sign -0.000+/-0.000 χ^2/NDF: 47.4/41



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

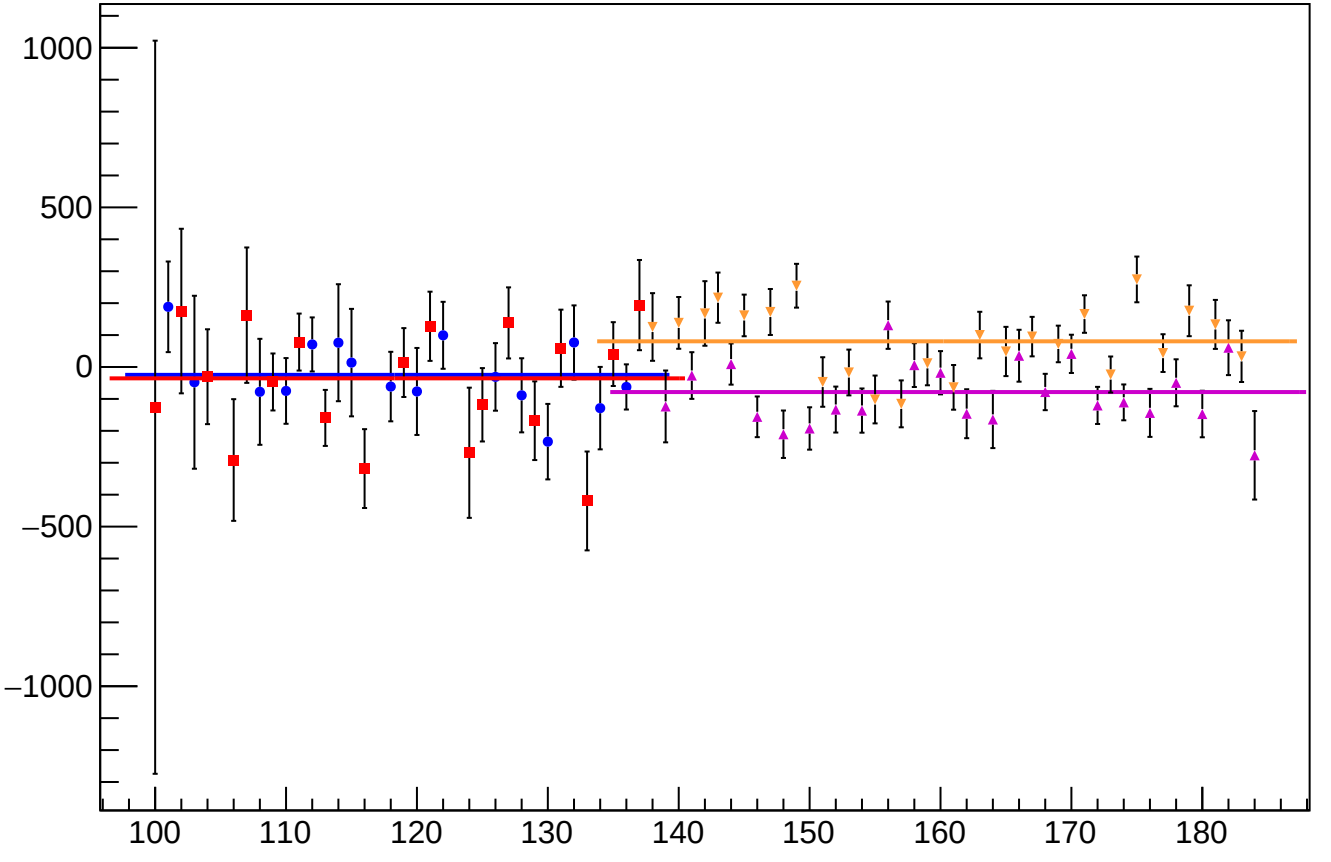
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12591091.6/39

All: 0.000+/-0.000 χ^2/NDF: 23732648.1/81

- sign 0.000+/-0.000 χ^2/NDF: 11133006.5/41

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

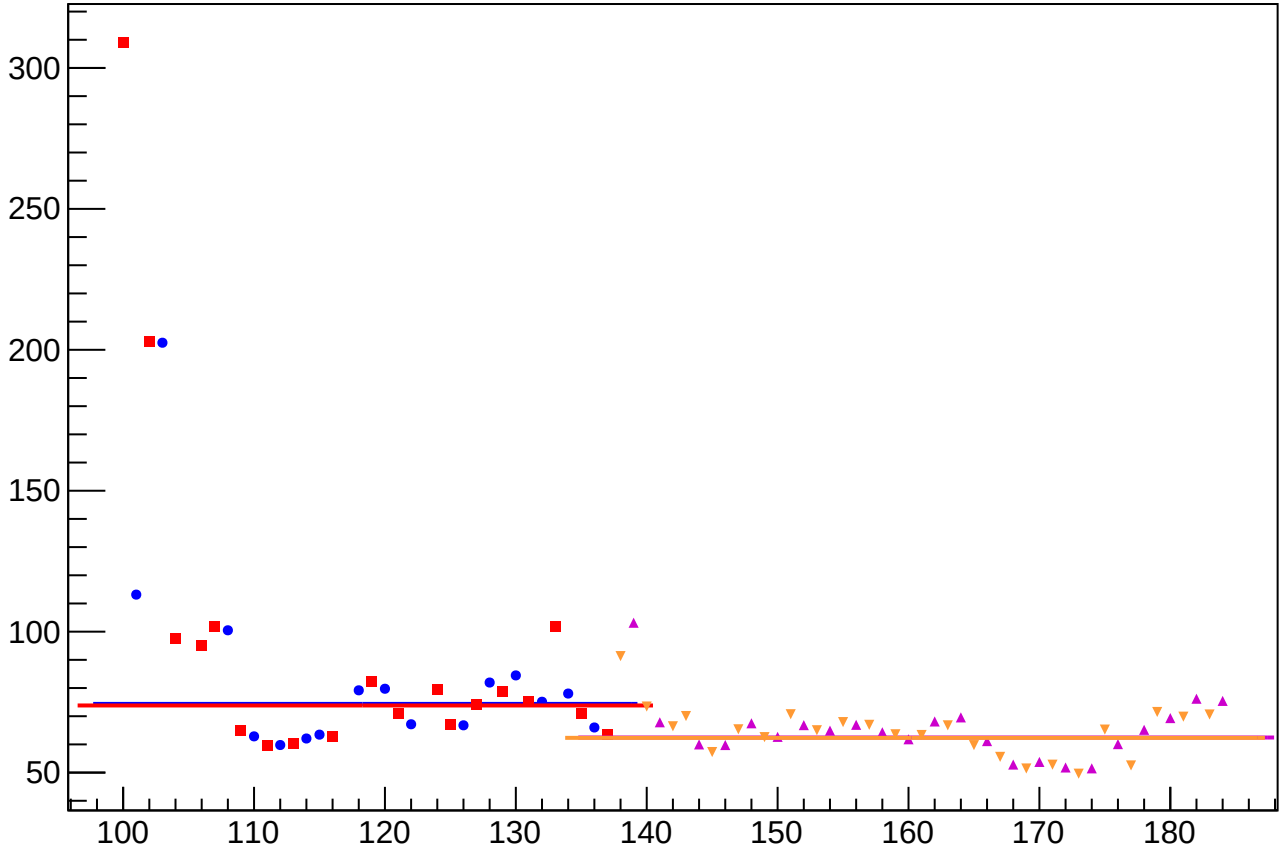
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 59.372+/-12.947 χ^2/NDF: 74.3/39

All: -4.049+/-9.222 χ^2/NDF: 191.5/81

- sign -69.355+/-13.138 χ^2/NDF: 68.5/41

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

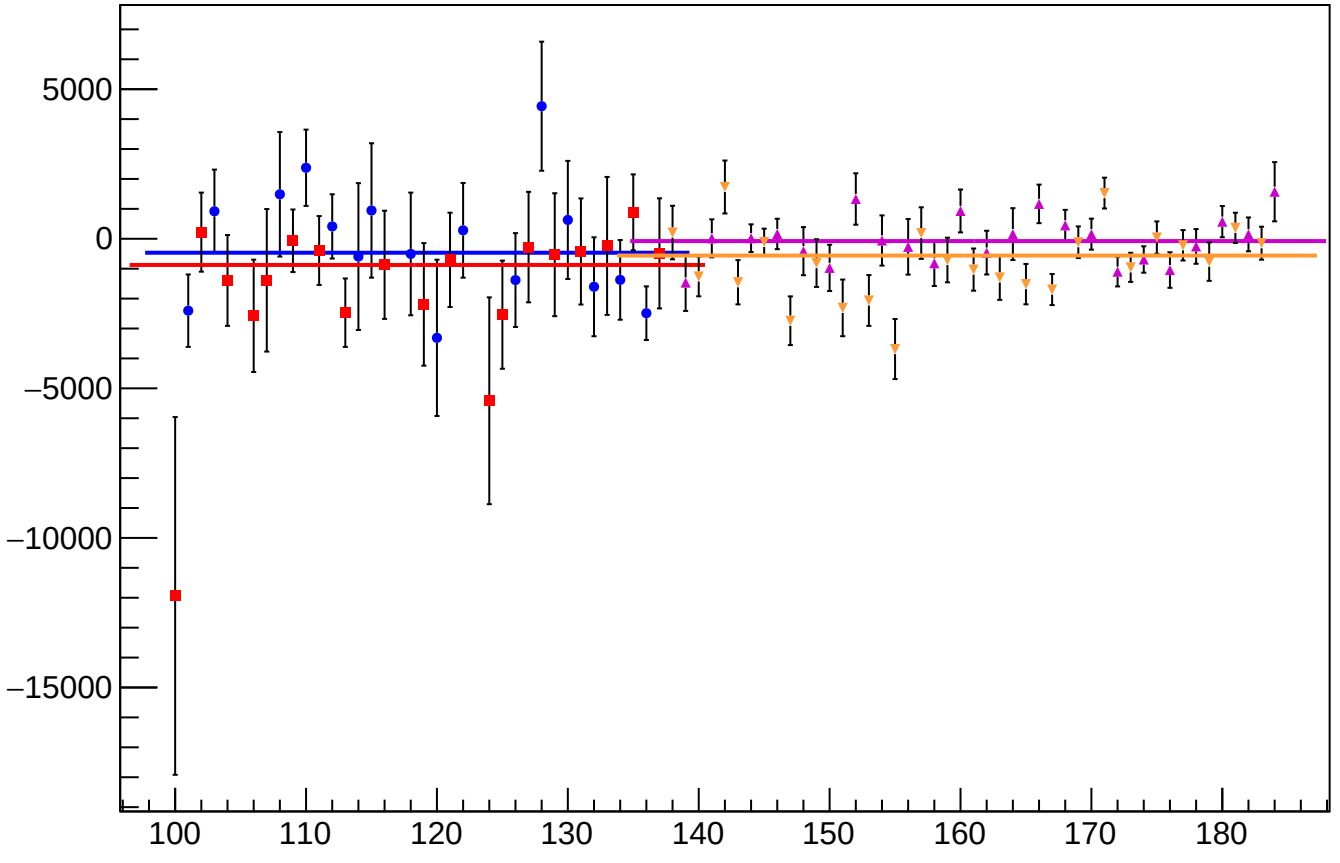
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.738+/-0.009 χ^2/NDF: 1761353.9/39

All: 64.803+/-0.007 χ^2/NDF: 3609299.0/81

- sign 64.869+/-0.009 χ^2/NDF: 1847844.2/41

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

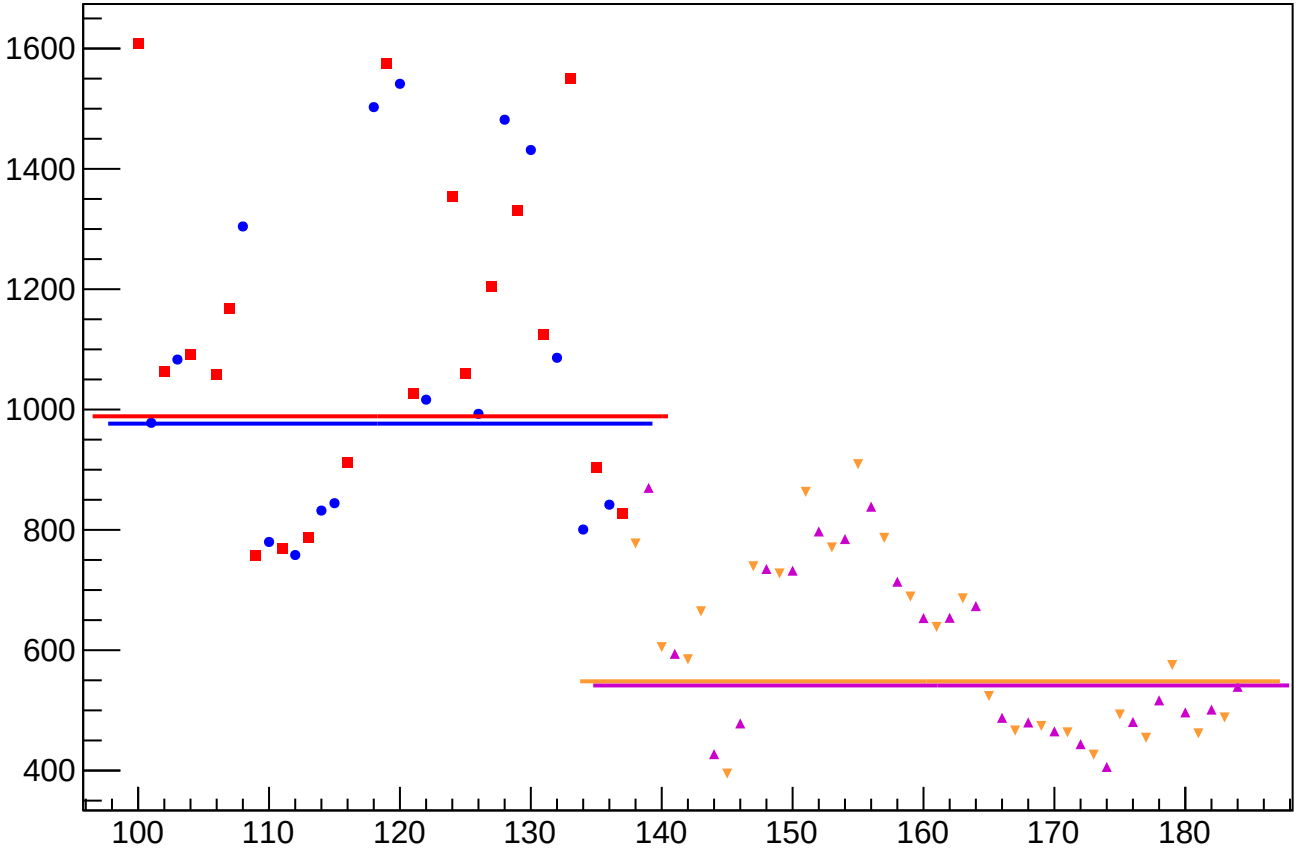
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -551.076+/-122.388 χ^2/NDF: 90.8/39

All: -358.756+/-86.756 χ^2/NDF: 141.3/81

- sign -164.515+/-122.998 χ^2/NDF: 45.5/41

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

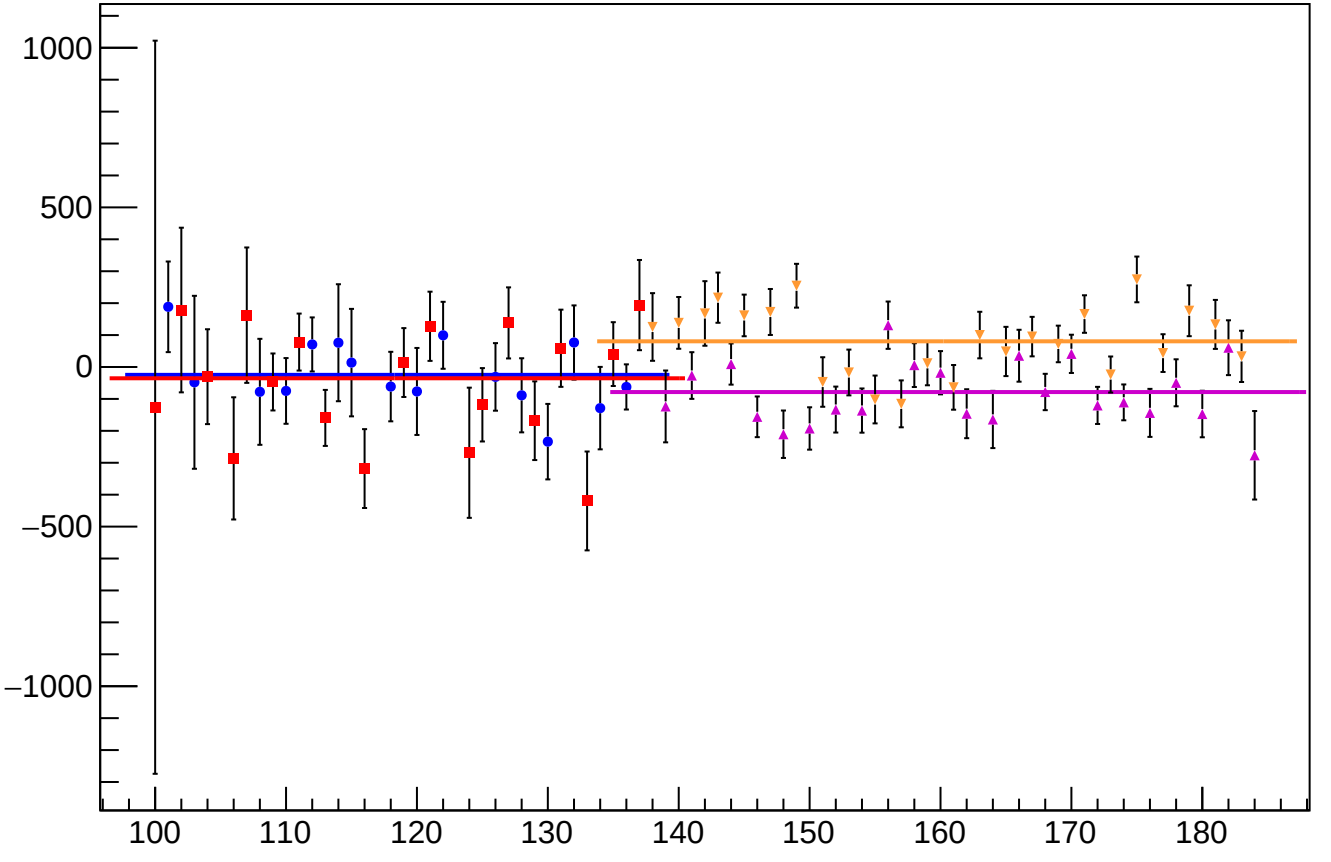
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 593.933+/-0.087 χ^2/NDF: 5104875.3/39

All: 592.123+/-0.061 χ^2/NDF: 10234471.9/81

- sign 590.295+/-0.087 χ^2/NDF: 5128717.8/41

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

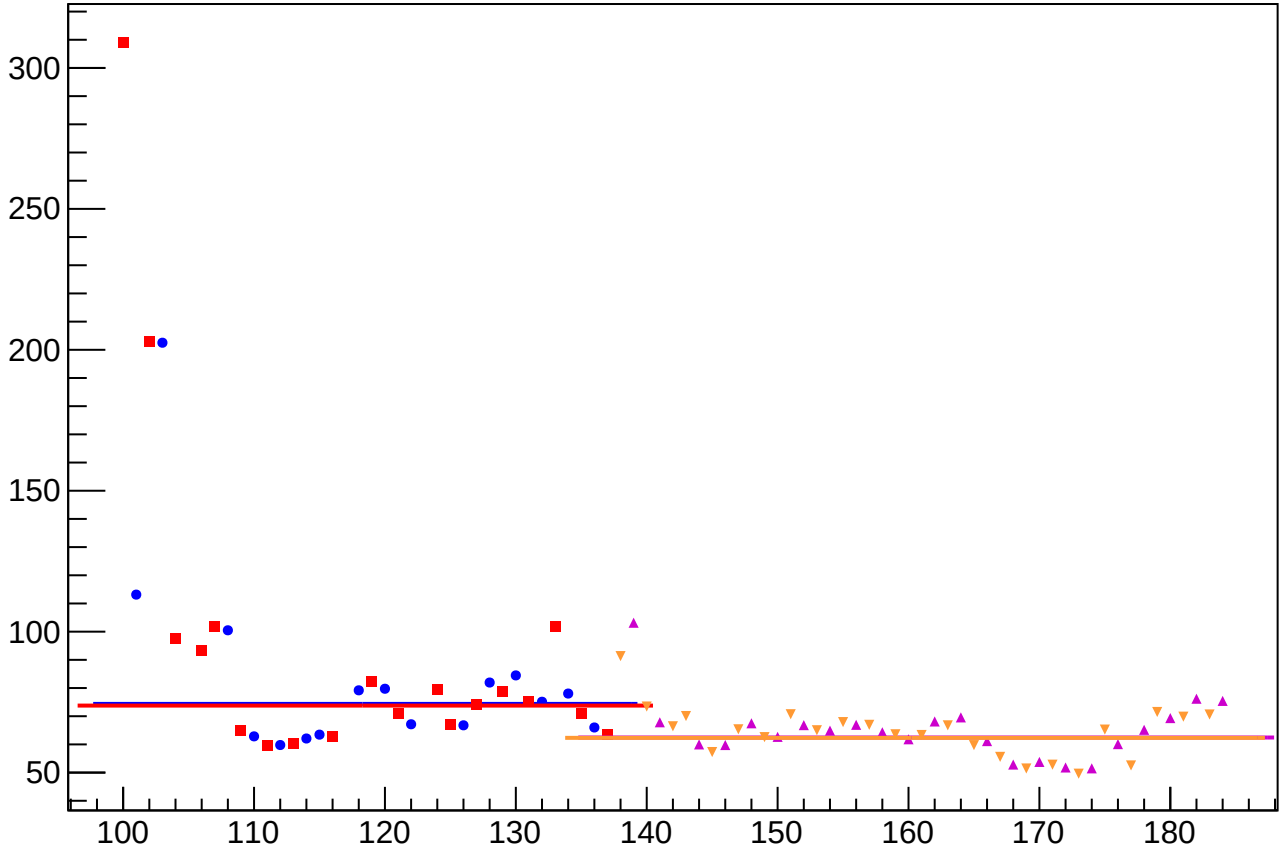
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 59.373+/-12.947 χ^2/NDF: 74.3/39

All: -4.027+/-9.222 χ^2/NDF: 191.4/81

- sign -69.314+/-13.138 χ^2/NDF: 68.5/41

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

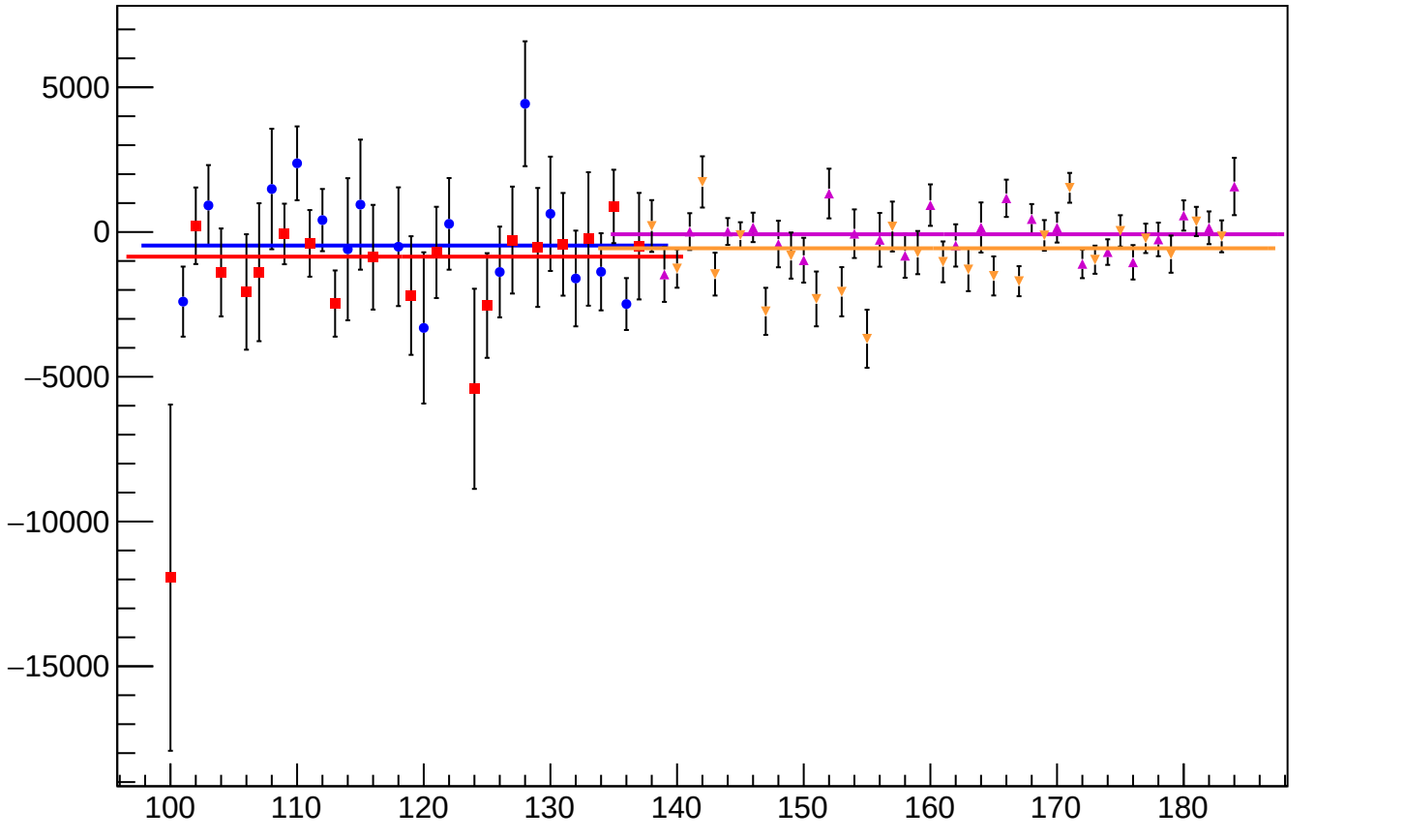
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.738+/-0.009 χ^2/NDF: 1761355.7/39

All: 64.798+/-0.007 χ^2/NDF: 3603615.4/81

- sign 64.860+/-0.009 χ^2/NDF: 1842172.7/41



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

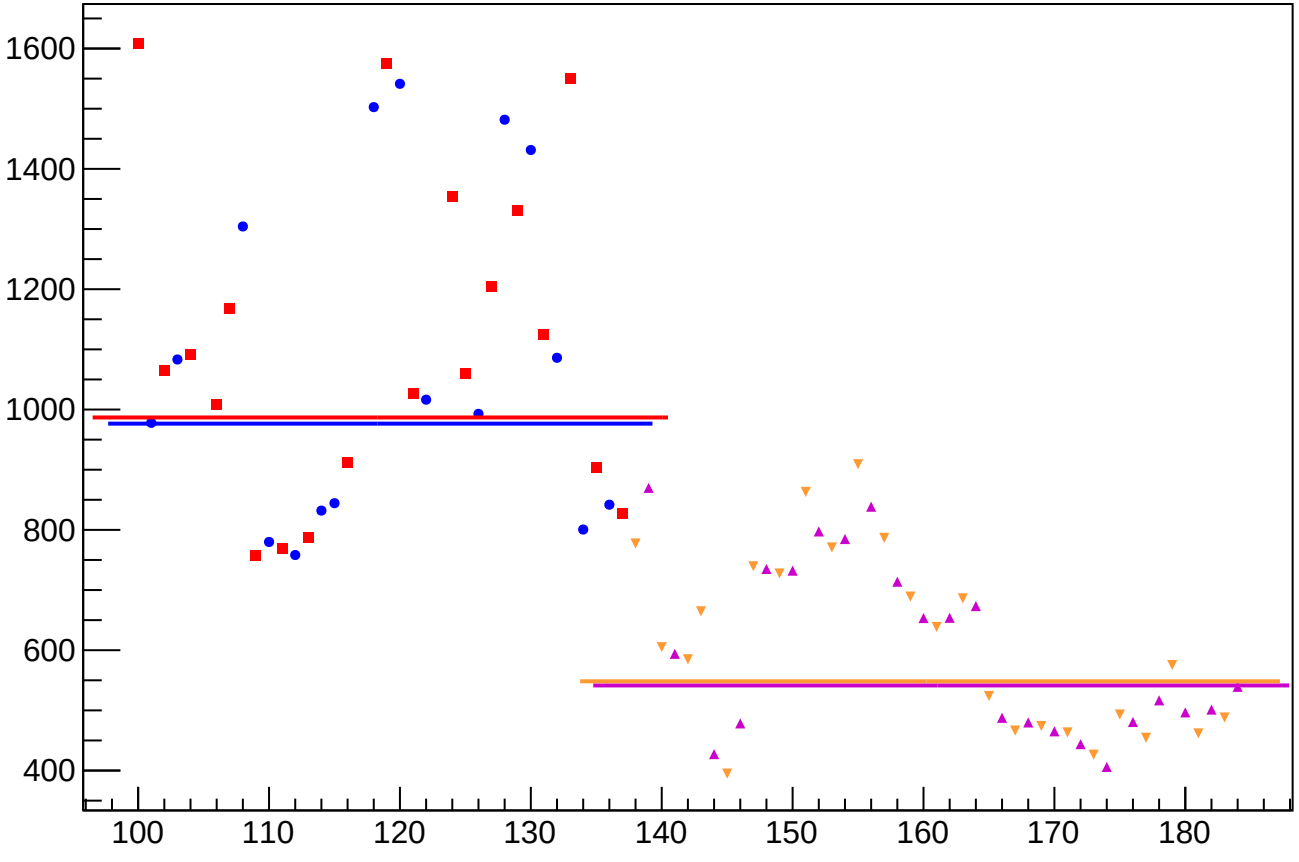
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -551.074+/-122.388 χ^2/NDF: 90.8/39

All: -357.296+/-86.767 χ^2/NDF: 140.7/81

- sign -161.486+/-123.028 χ^2/NDF: 44.8/41

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

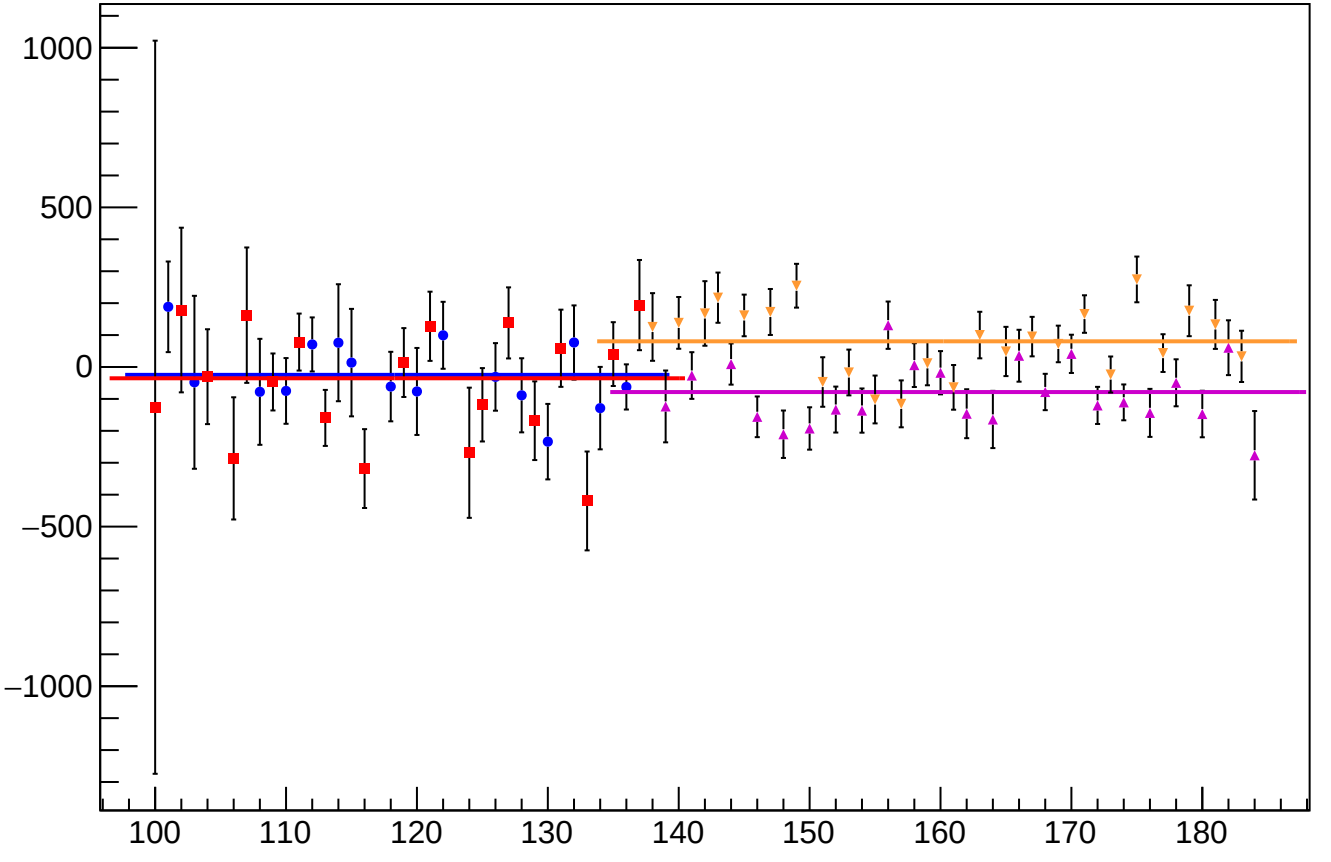
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 593.932+/-0.087 χ^2/NDF: 5104934.2/39

All: 591.920+/-0.061 χ^2/NDF: 10199699.5/81

- sign 589.886+/-0.087 χ^2/NDF: 5093677.6/41

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

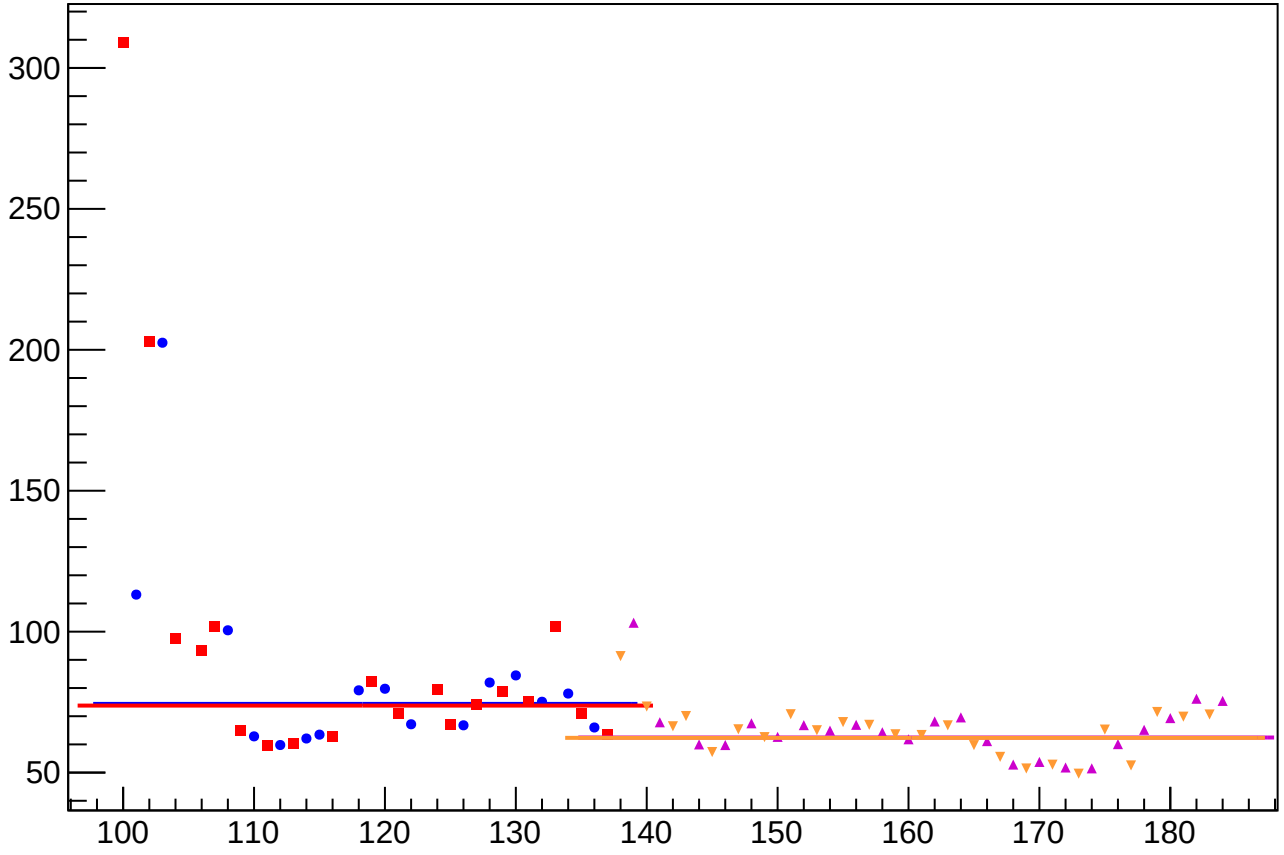
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 59.373+/-12.947 χ^2/NDF: 74.3/39

All: -4.027+/-9.222 χ^2/NDF: 191.4/81

- sign -69.314+/-13.138 χ^2/NDF: 68.5/41

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

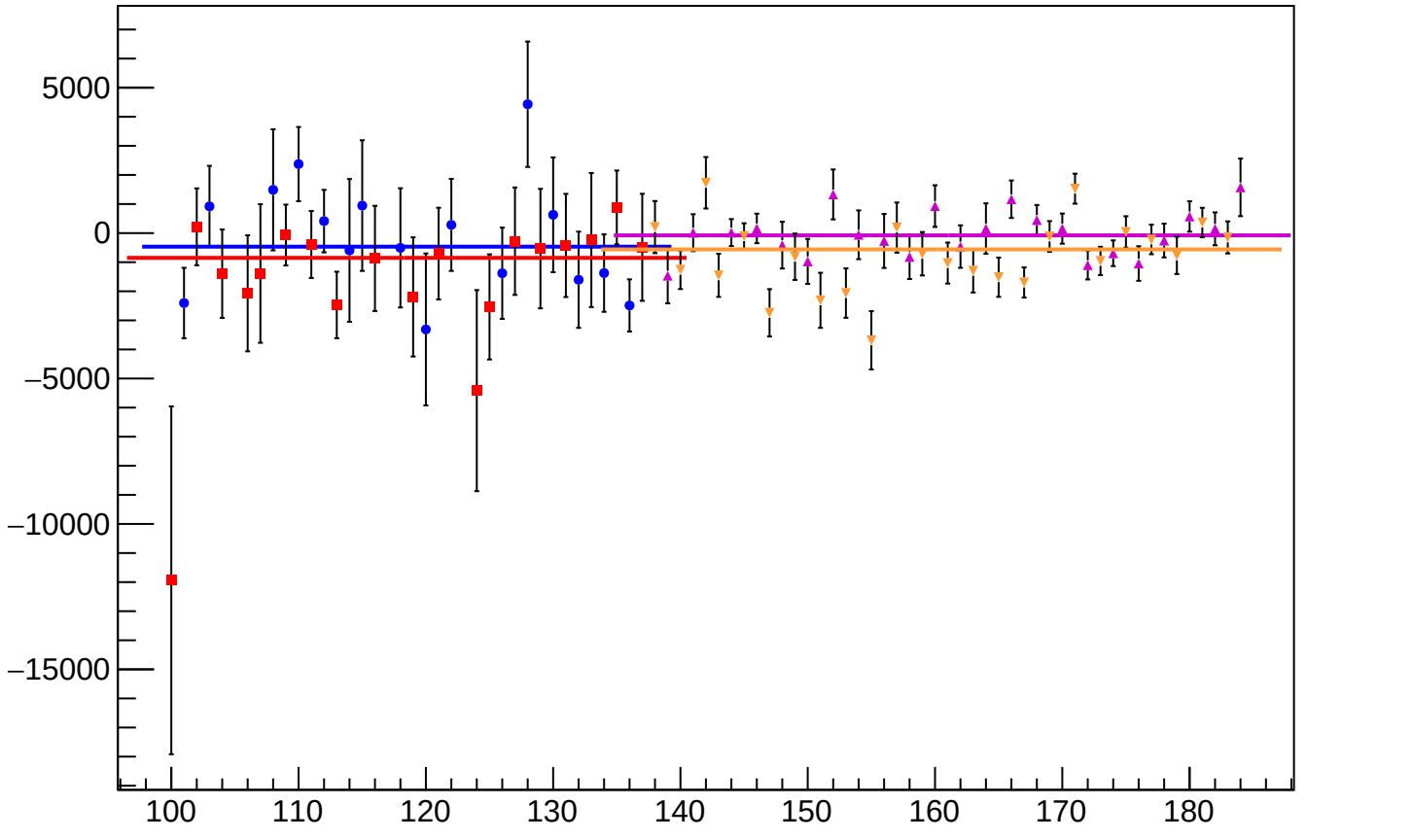
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.738+/-0.009 χ^2/NDF: 1761355.7/39

All: 64.798+/-0.007 χ^2/NDF: 3603615.4/81

- sign 64.860+/-0.009 χ^2/NDF: 1842172.7/41



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

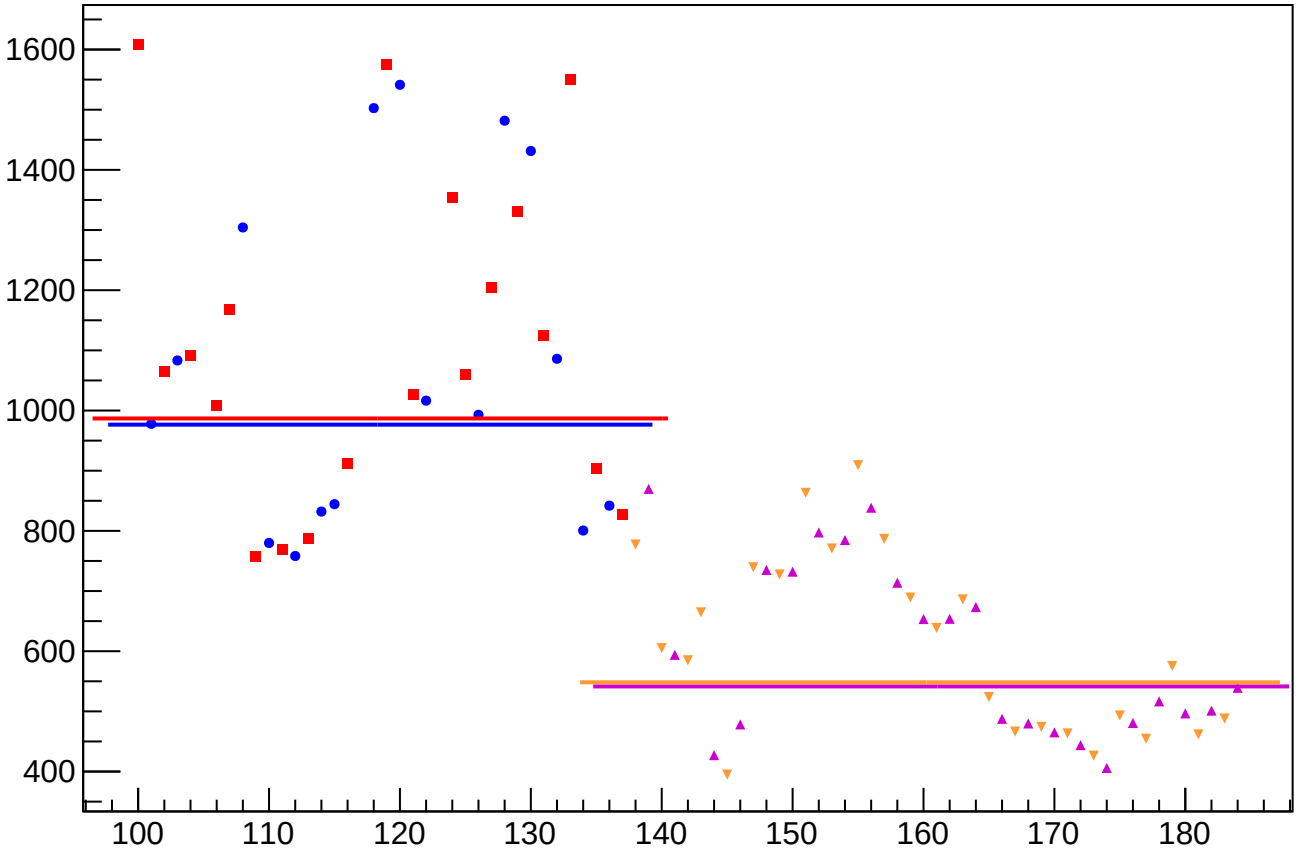
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -551.074+/-122.388 χ^2/NDF: 90.8/39

All: -357.296+/-86.767 χ^2/NDF: 140.7/81

- sign -161.486+/-123.028 χ^2/NDF: 44.8/41

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

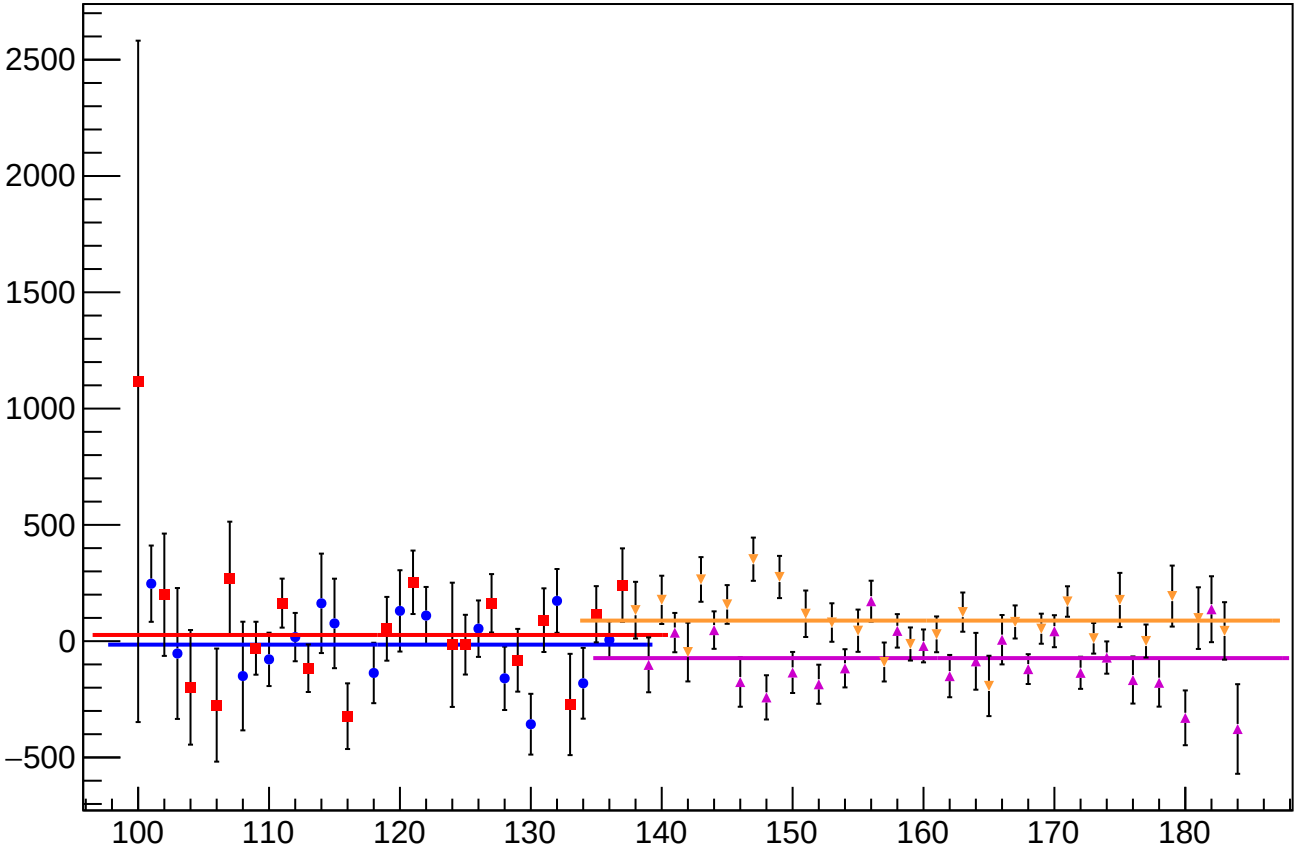
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 593.932+/-0.087 χ^2/NDF: 5104934.2/39

All: 591.920+/-0.061 χ^2/NDF: 10199699.5/81

- sign 589.886+/-0.087 χ^2/NDF: 5093677.6/41

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

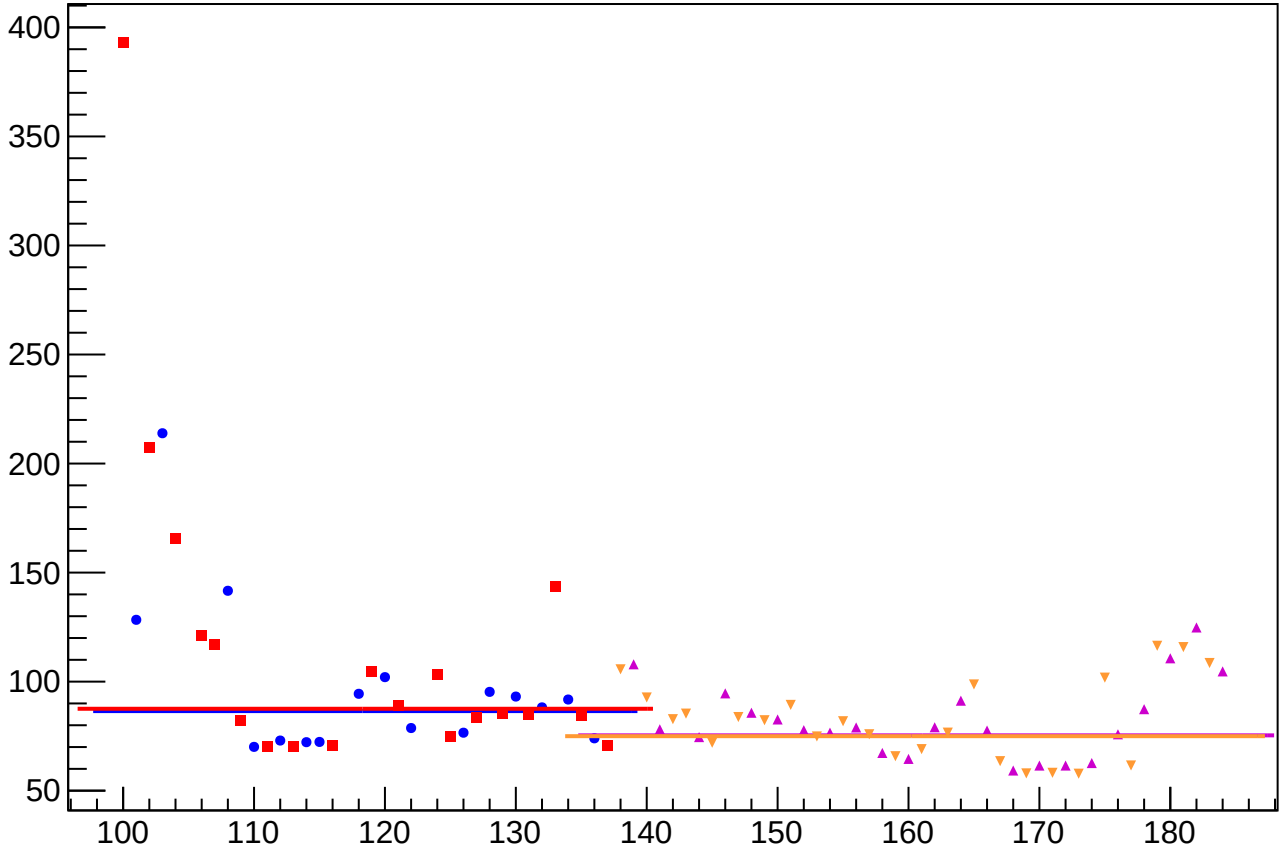
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.891+/-15.771 χ^2/NDF: 62.4/39

All: 8.857+/-11.268 χ^2/NDF: 157.8/81

- sign -50.618+/-16.105 χ^2/NDF: 68.7/41

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

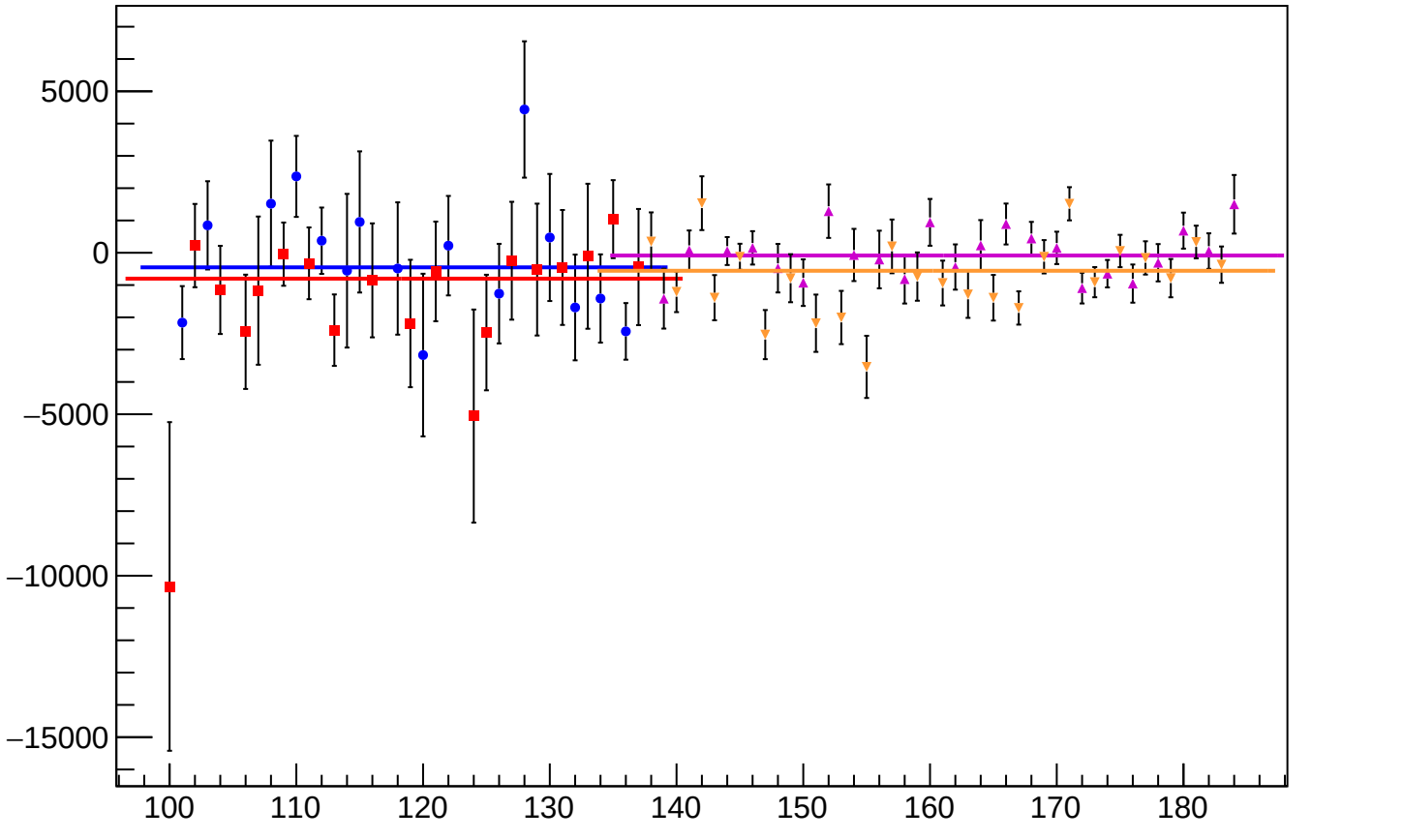
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 77.497+/-0.011 χ^2/NDF: 2627128.6/39

All: 77.786+/-0.008 χ^2/NDF: 5182457.6/81

- sign 78.087+/-0.011 χ^2/NDF: 2553959.0/41



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

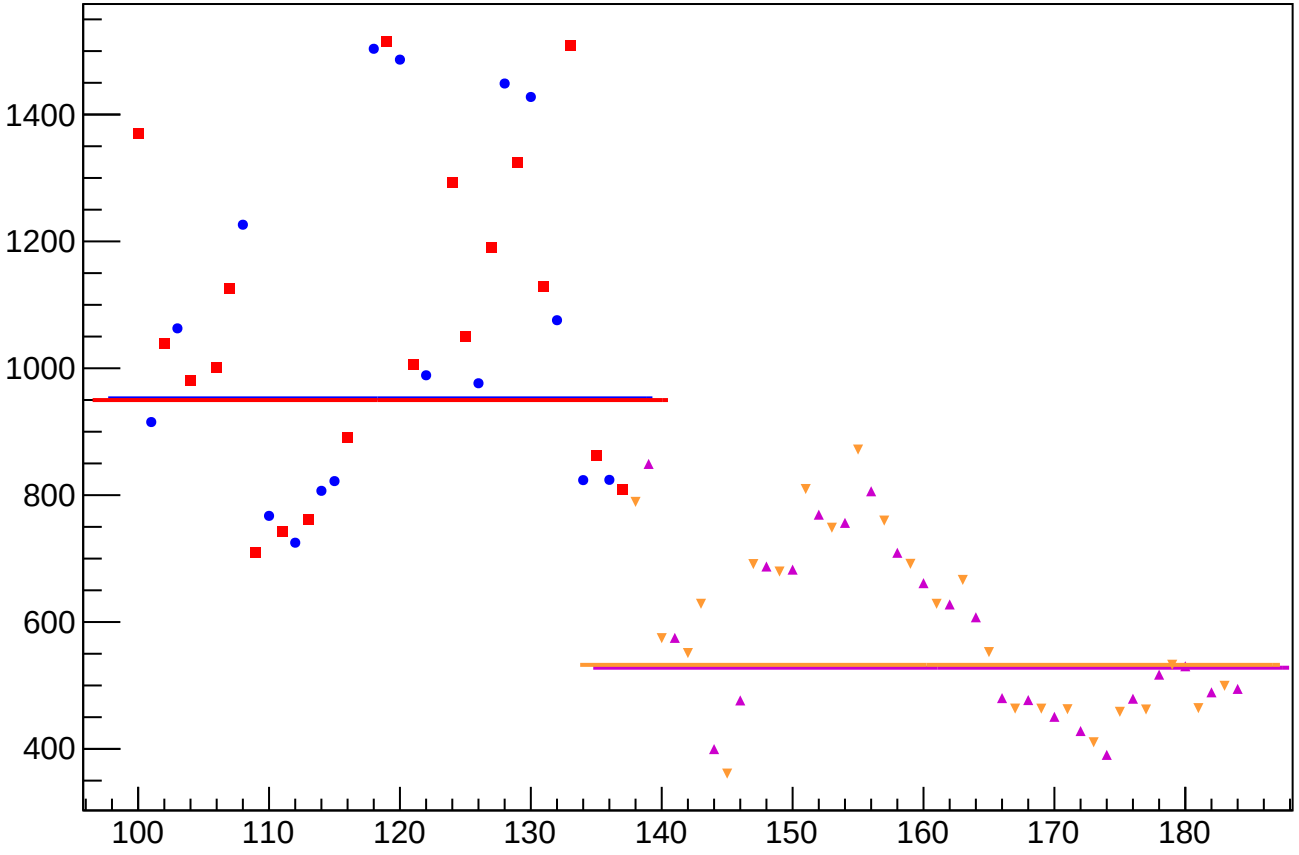
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -546.108+/-118.703 χ^2/NDF: 89.2/39

All: -357.110+/-84.293 χ^2/NDF: 139.0/81

- sign -164.860+/-119.720 χ^2/NDF: 44.6/41

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

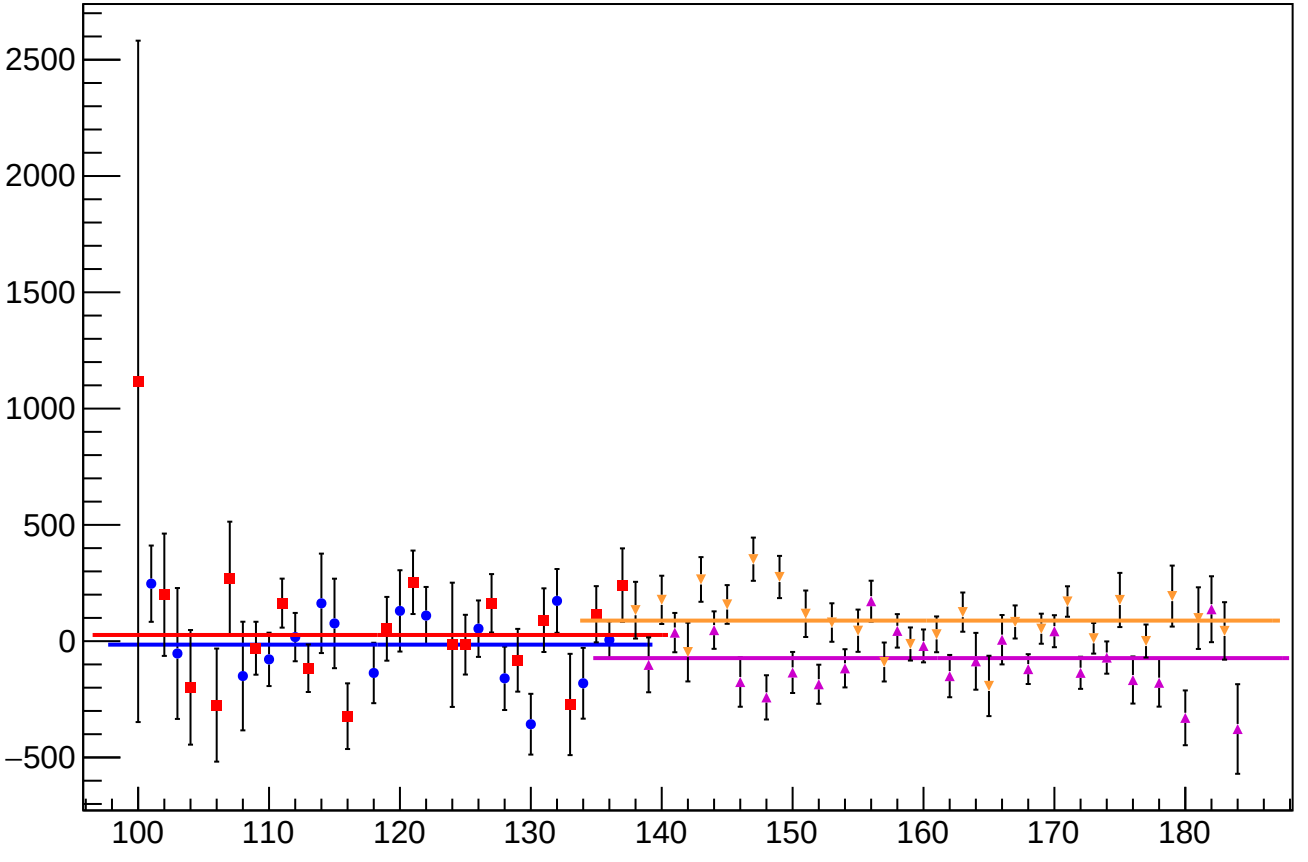
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 576.767+/-0.084 χ^2/NDF: 5143064.4/39

All: 575.992+/-0.060 χ^2/NDF: 10164103.1/81

- sign 575.204+/-0.085 χ^2/NDF: 5020866.7/41

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

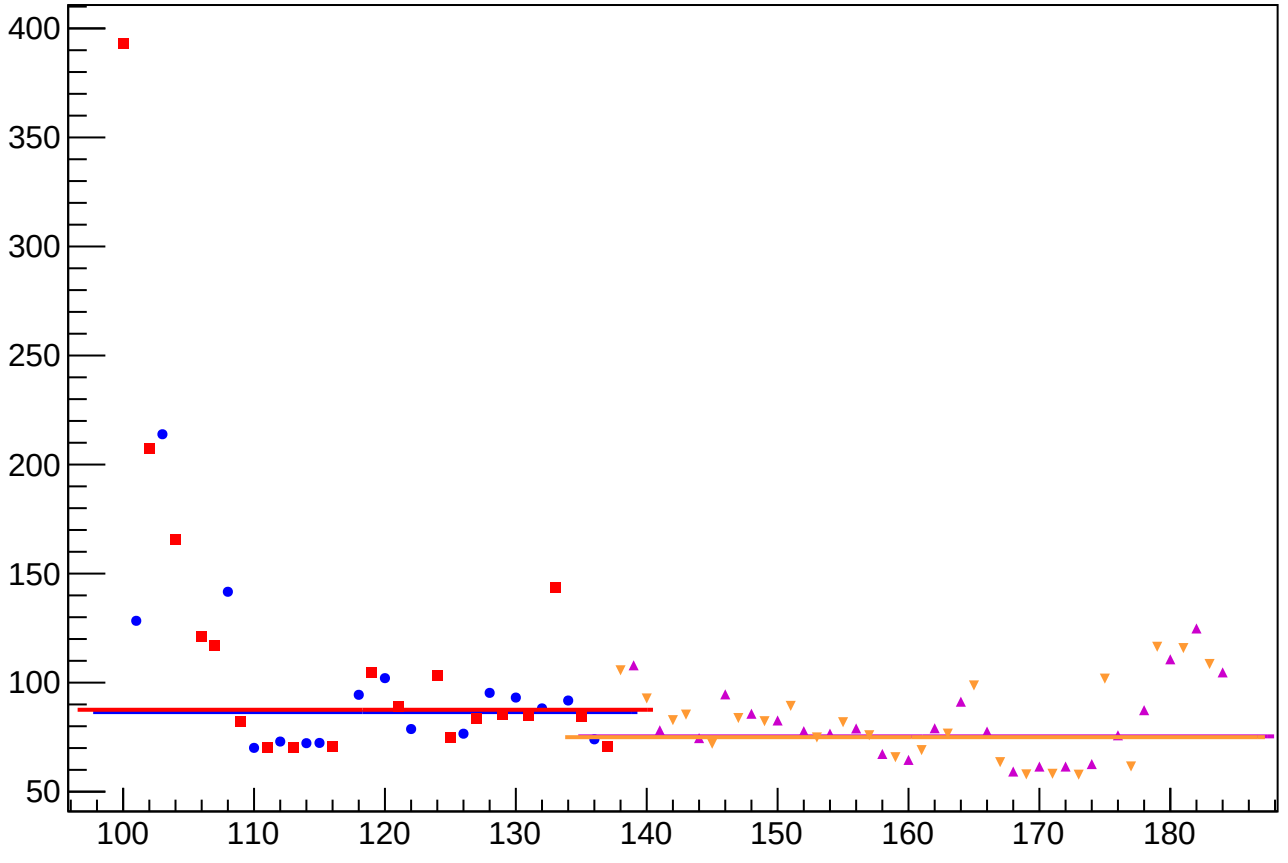
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.891+/-15.771 χ^2/NDF: 62.4/39

All: 8.858+/-11.268 χ^2/NDF: 157.8/81

- sign -50.617+/-16.105 χ^2/NDF: 68.7/41

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

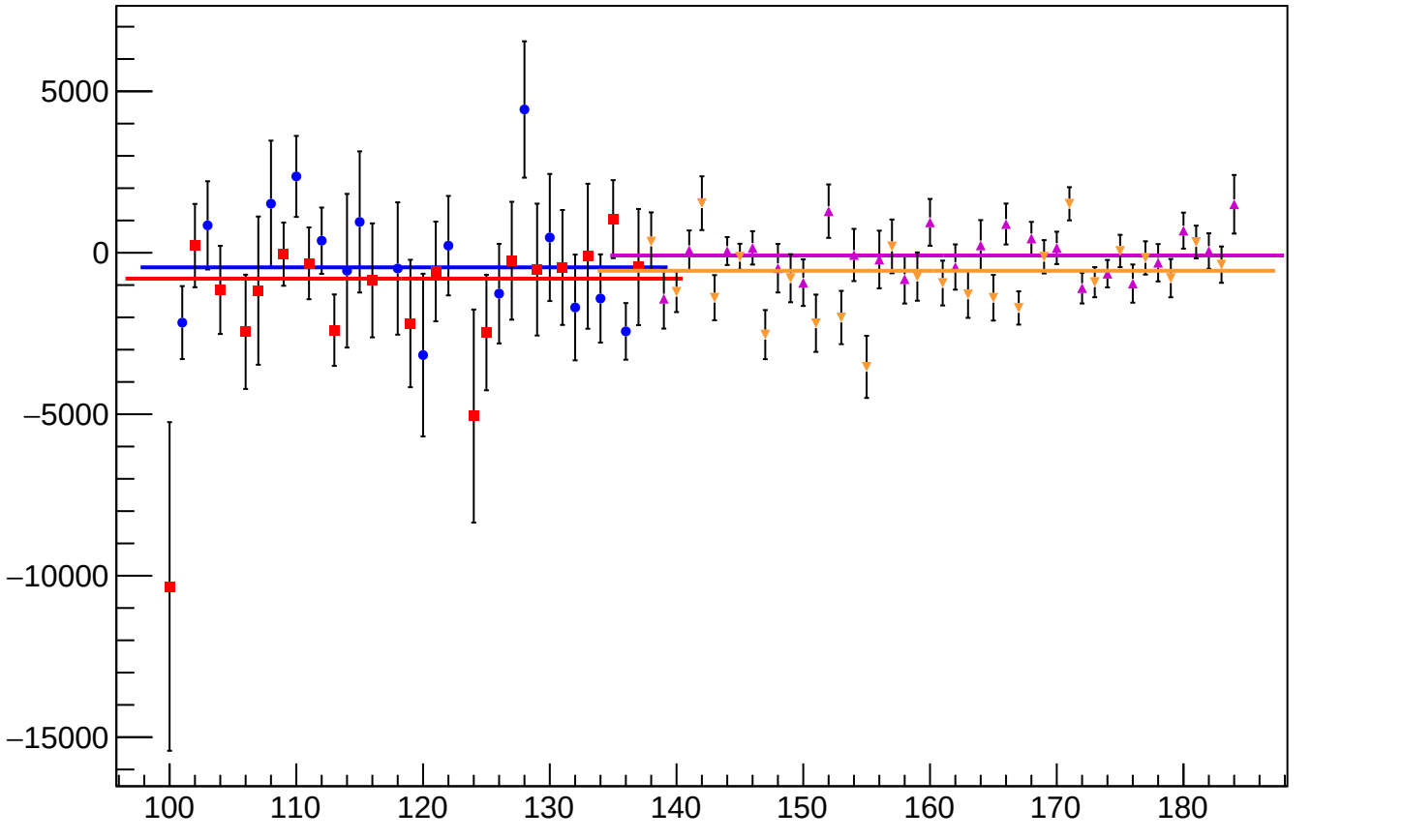
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 77.497+/-0.011 χ^2/NDF: 2627123.6/39

All: 77.786+/-0.008 χ^2/NDF: 5182456.7/81

- sign 78.087+/-0.011 χ^2/NDF: 2553963.3/41



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -557.271+/-125.502 χ^2/NDF:65.4/23

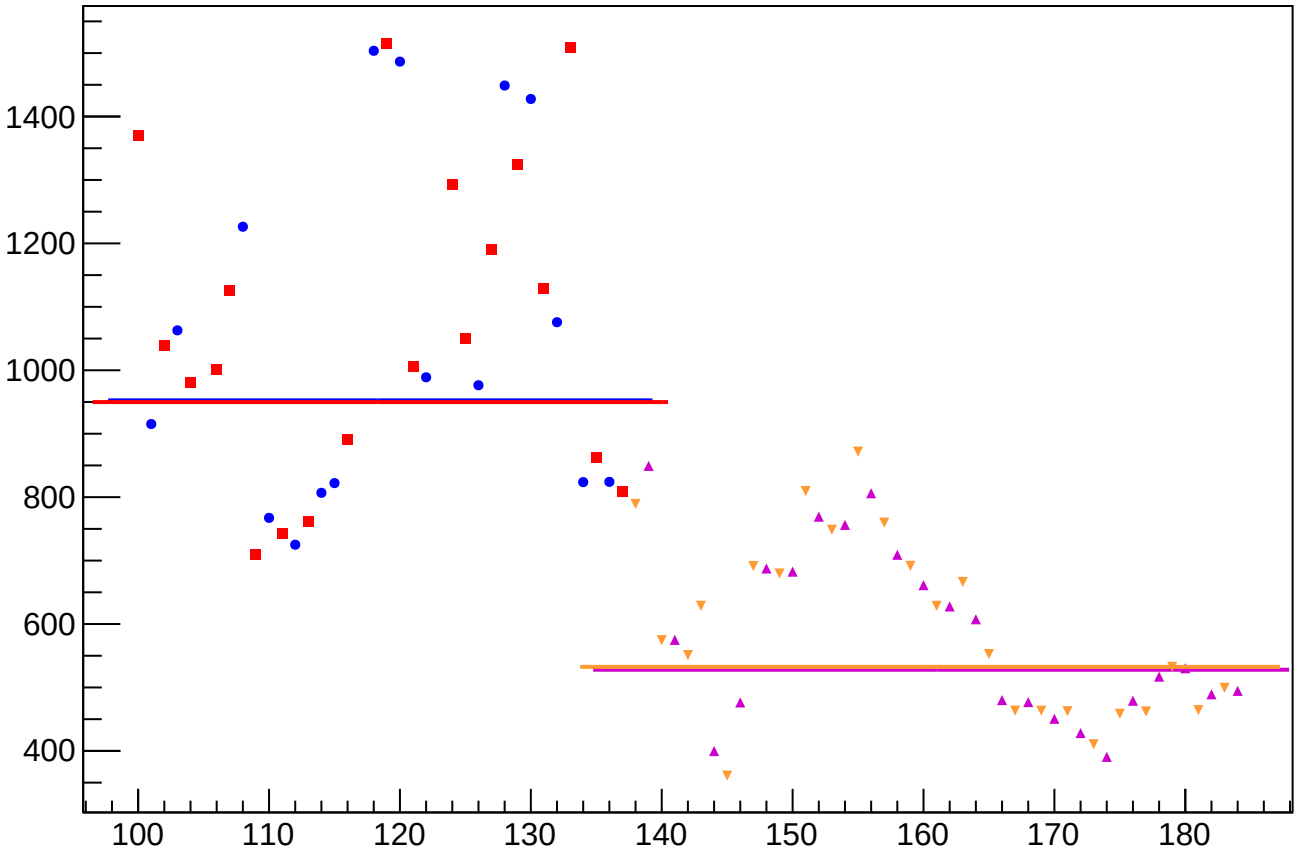
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -546.109+/-118.703 χ^2/NDF: 89.2/39

All: -357.110+/-84.293 χ^2/NDF: 139.0/81

- sign -164.860+/-119.720 χ^2/NDF: 44.6/41



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

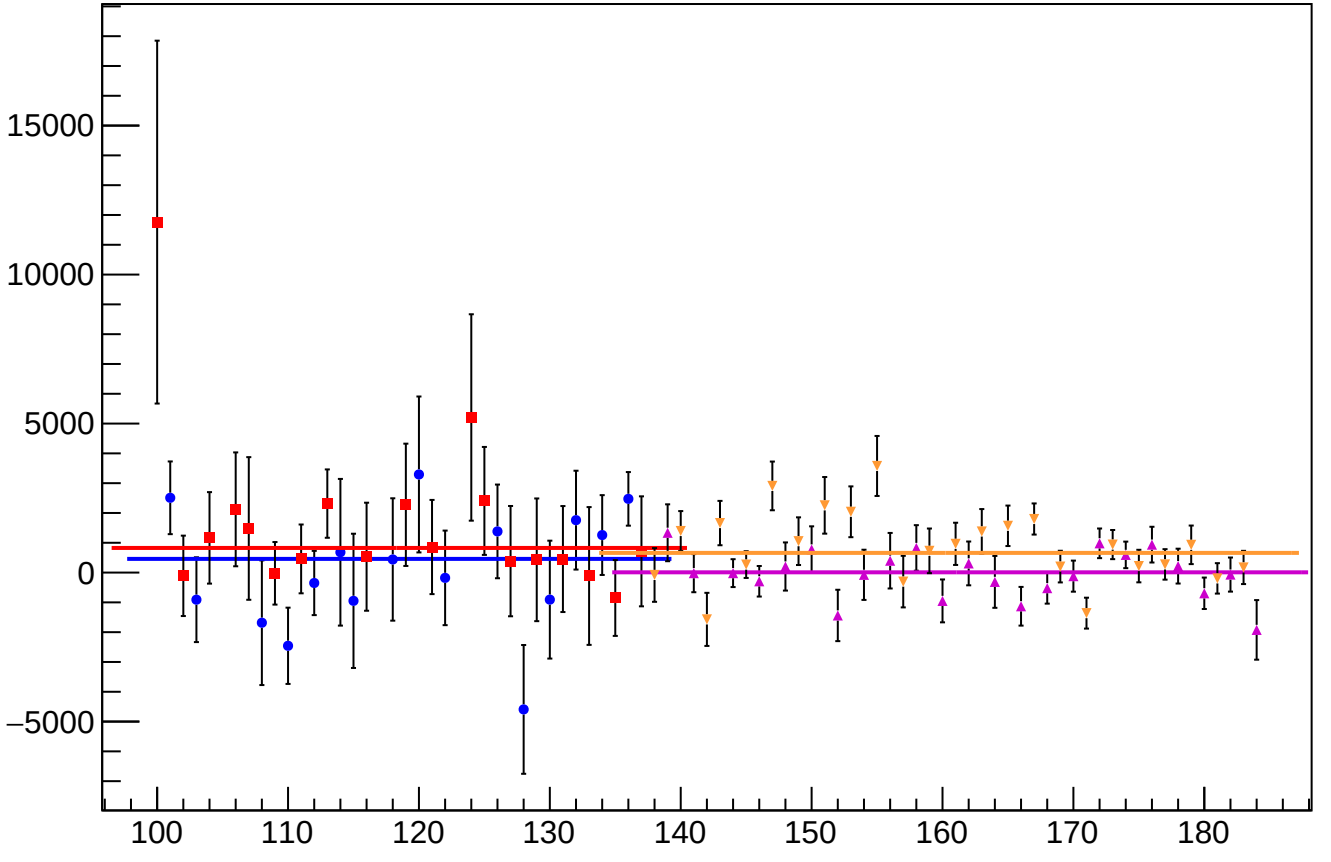
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 576.766+/-0.084 χ^2/NDF: 5143053.1/39

All: 575.991+/-0.060 χ^2/NDF: 10164075.3/81

- sign 575.203+/-0.085 χ^2/NDF: 5020850.2/41

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

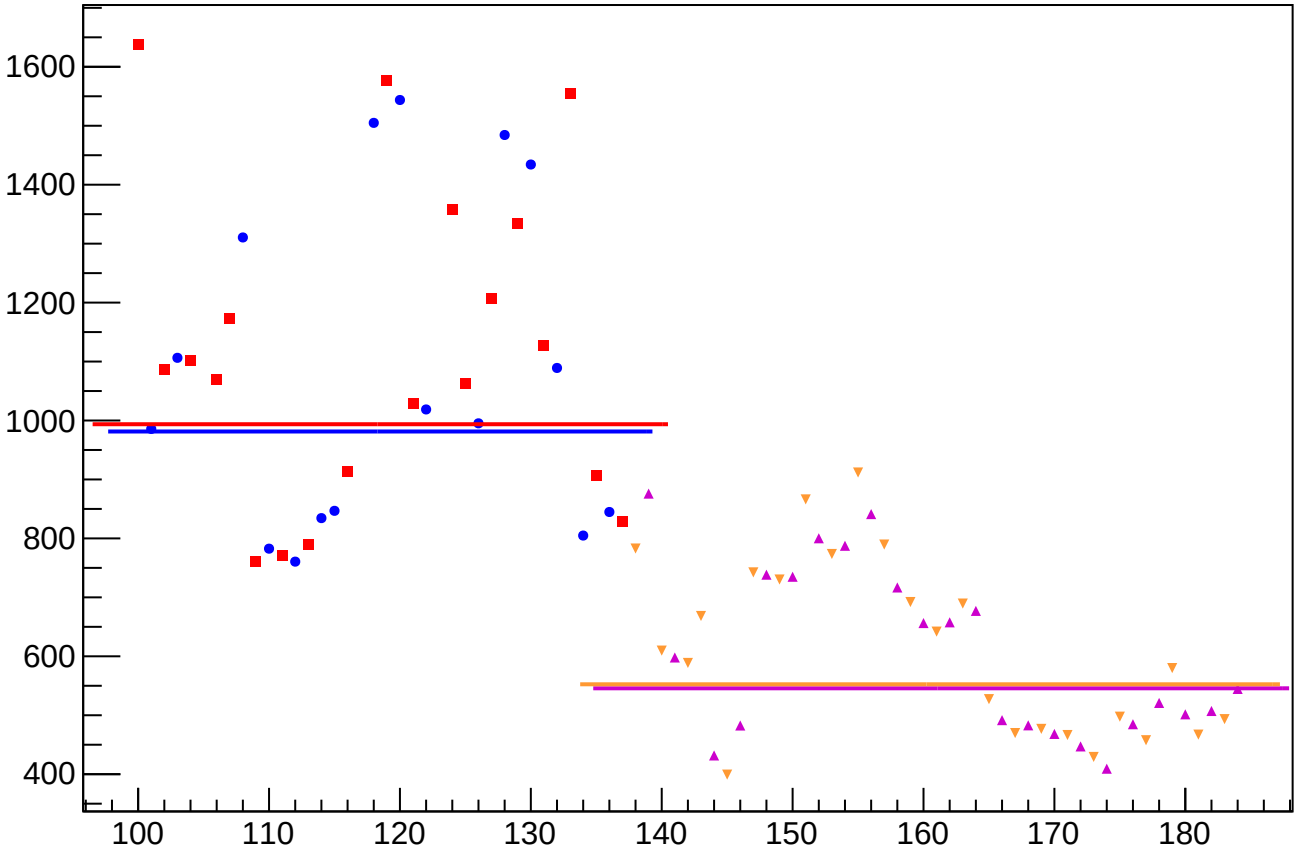
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 638.996+/-123.245 χ^2/NDF: 87.3/39

All: 369.957+/-87.373 χ^2/NDF: 140.1/81

- sign 98.107+/-123.887 χ^2/NDF: 43.3/41

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

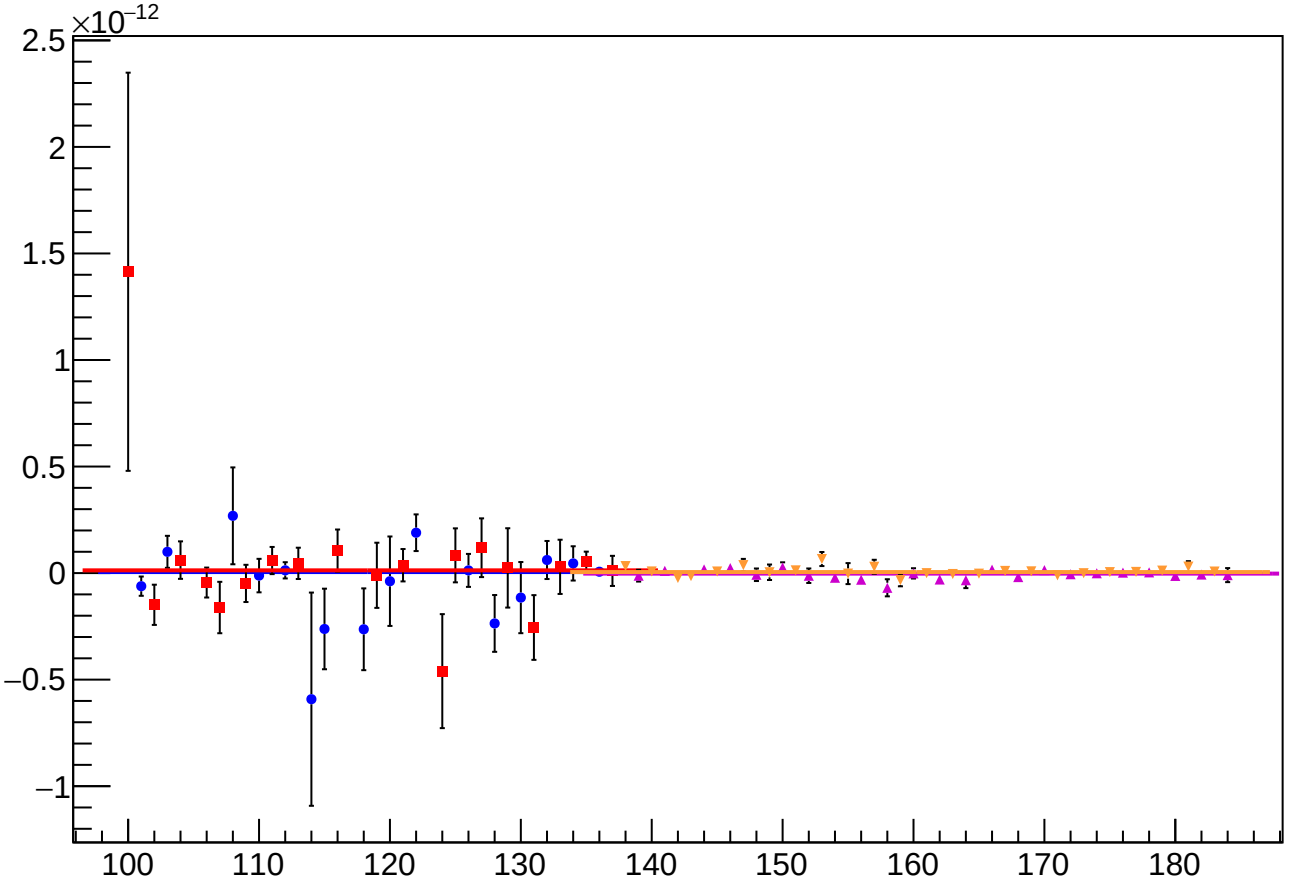
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 598.383+/-0.087 χ^2/NDF: 5058113.4/39

All: 596.600+/-0.062 χ^2/NDF: 10144931.3/81

- sign 594.798+/-0.088 χ^2/NDF: 5085976.5/41

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

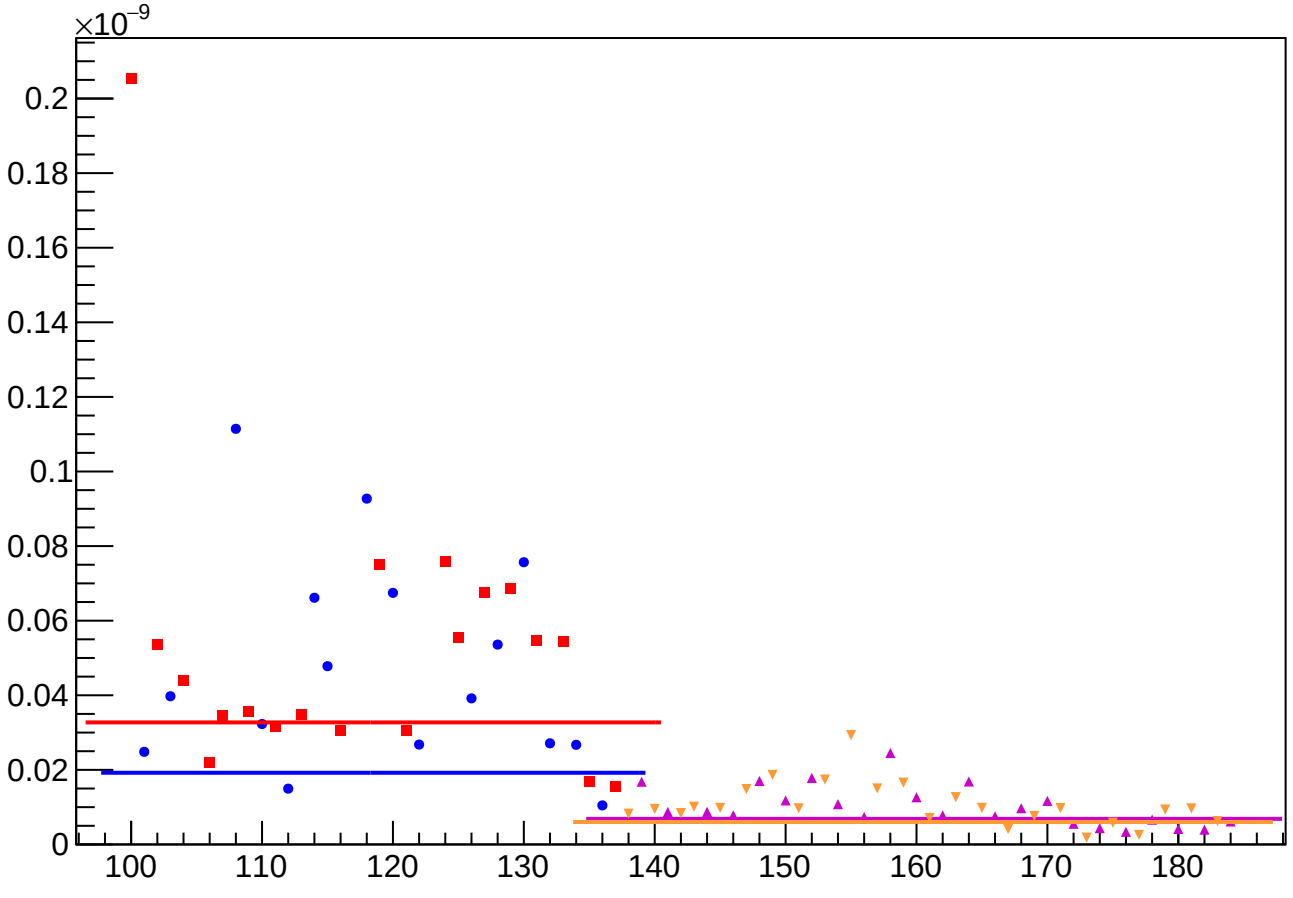
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/39

All: 0.000+/-0.000 χ^2/NDF: 76.4/81

- sign -0.000+/-0.000 χ^2/NDF: 39.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3600716.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

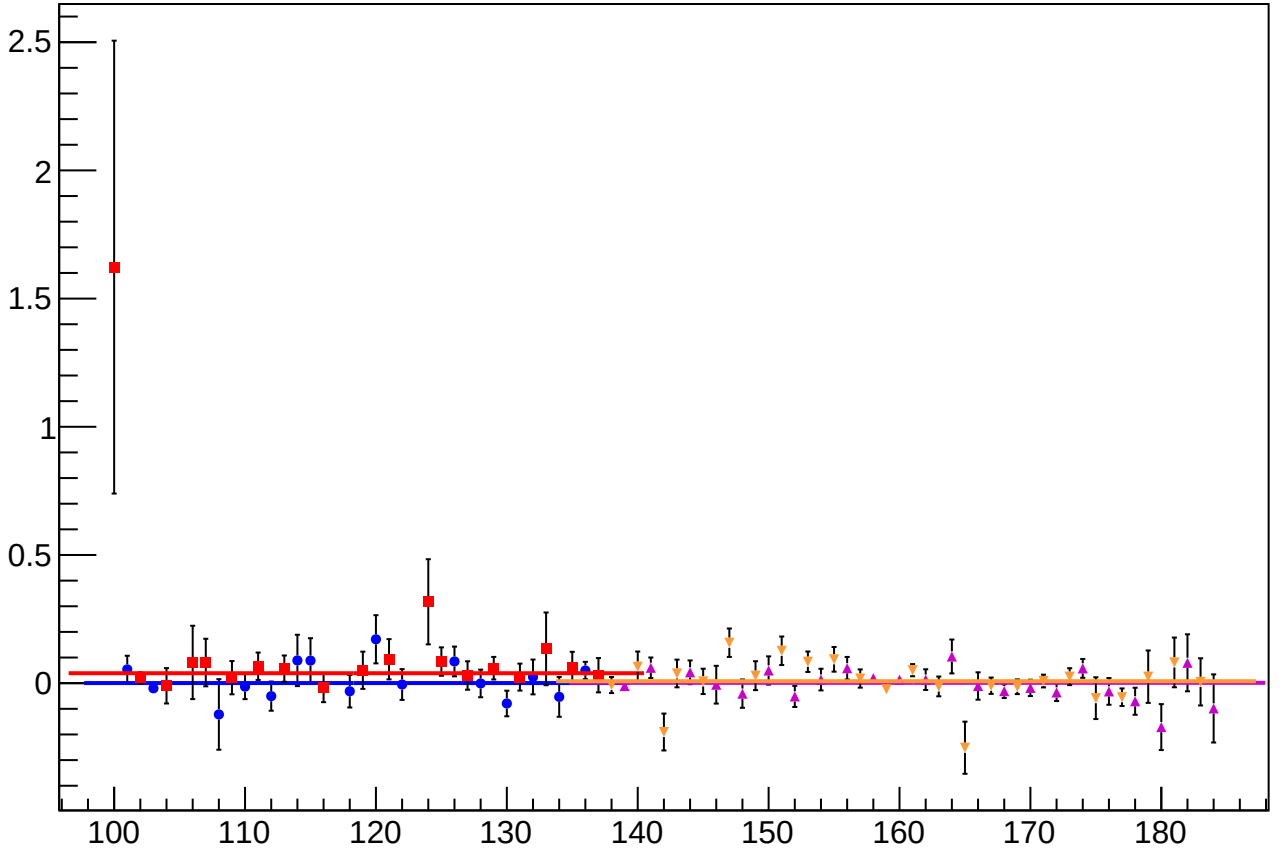
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7176319.8/39

All: 0.000+/-0.000 χ^2/NDF: 13890733.0/81

- sign 0.000+/-0.000 χ^2/NDF: 6628609.4/41

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

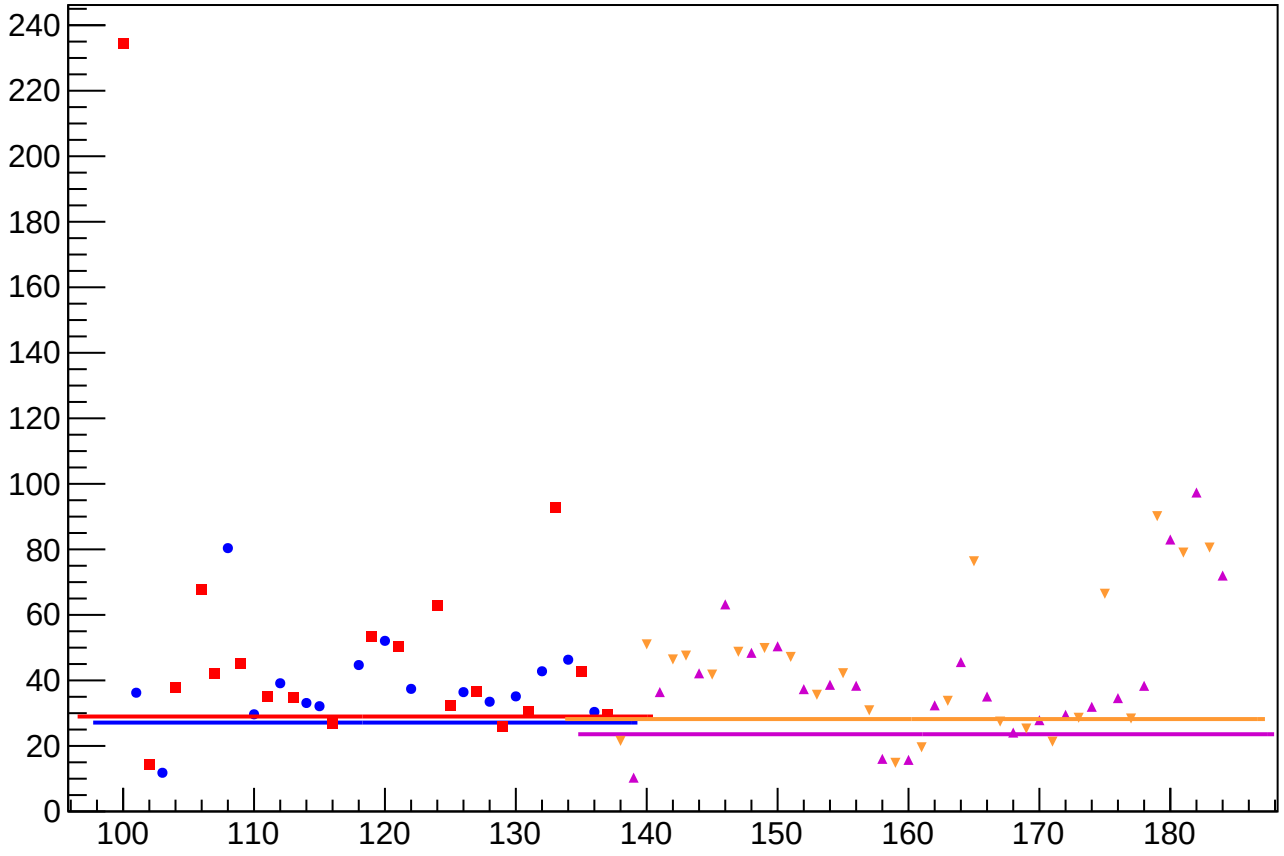
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/39

All: 0.008+/-0.004 χ^2/NDF: 107.4/81

- sign 0.010+/-0.006 χ^2/NDF: 43.0/41

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

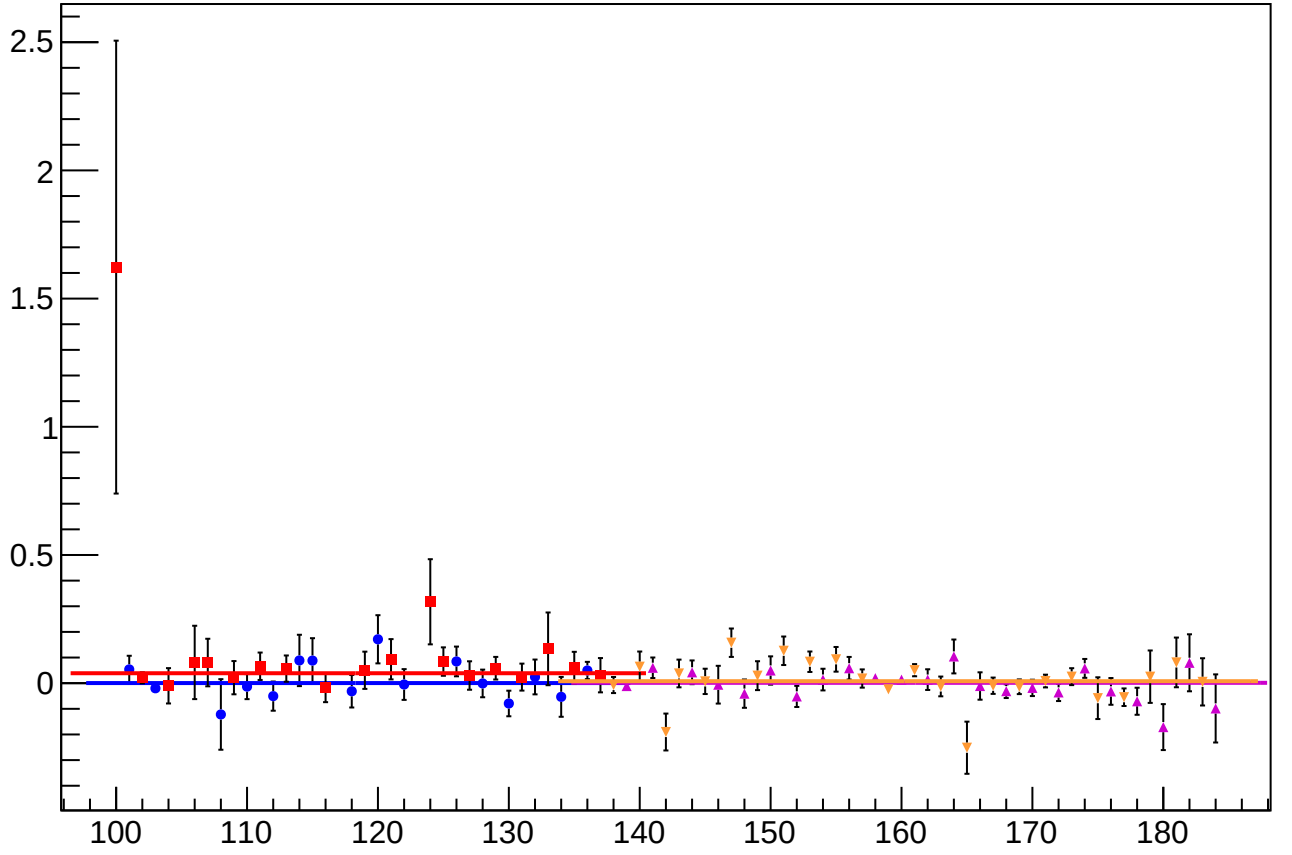
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 27.895+/-0.005 χ^2/NDF: 9023060.3/39

All: 26.235+/-0.003 χ^2/NDF: 20277384.8/81

- sign 24.788+/-0.004 χ^2/NDF: 11003921.9/41

asym_sam_37_avg_dit_vs_eigen_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

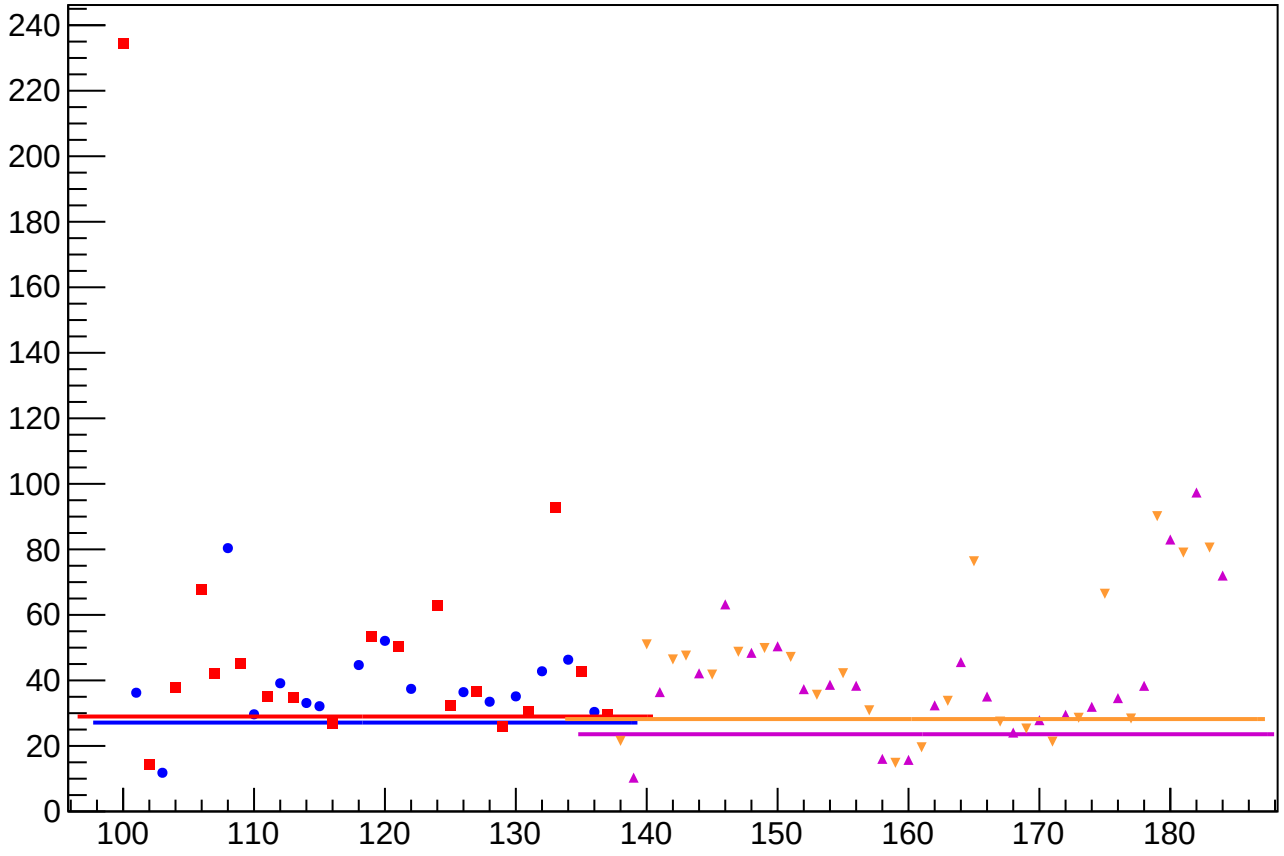
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/39

All: 0.008+/-0.004 χ^2/NDF: 107.4/81

- sign 0.010+/-0.006 χ^2/NDF: 43.0/41

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

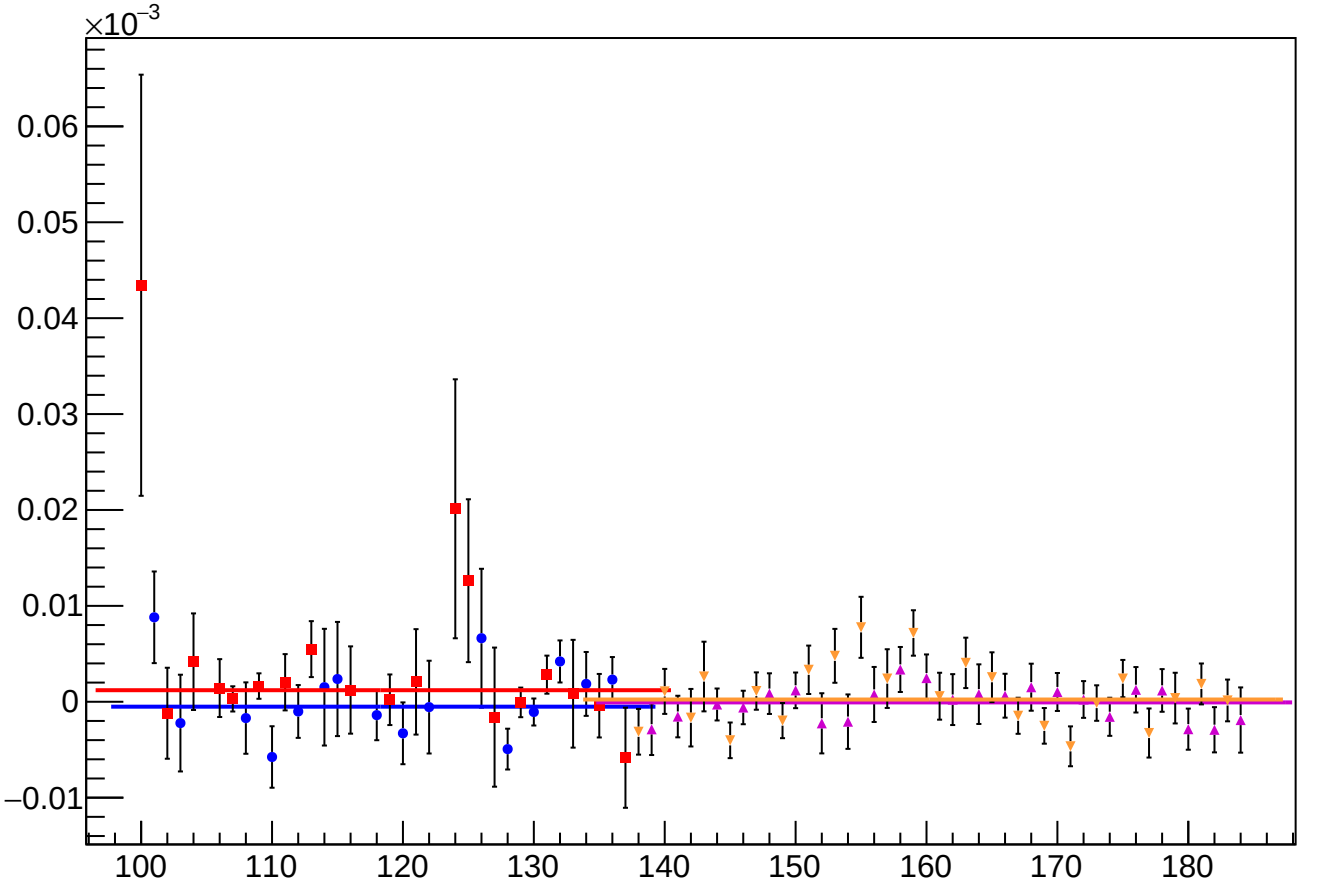
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 27.895+/-0.005 χ^2/NDF: 9023060.3/39

All: 26.235+/-0.003 χ^2/NDF: 20277384.8/81

- sign 24.788+/-0.004 χ^2/NDF: 11003921.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.9/23

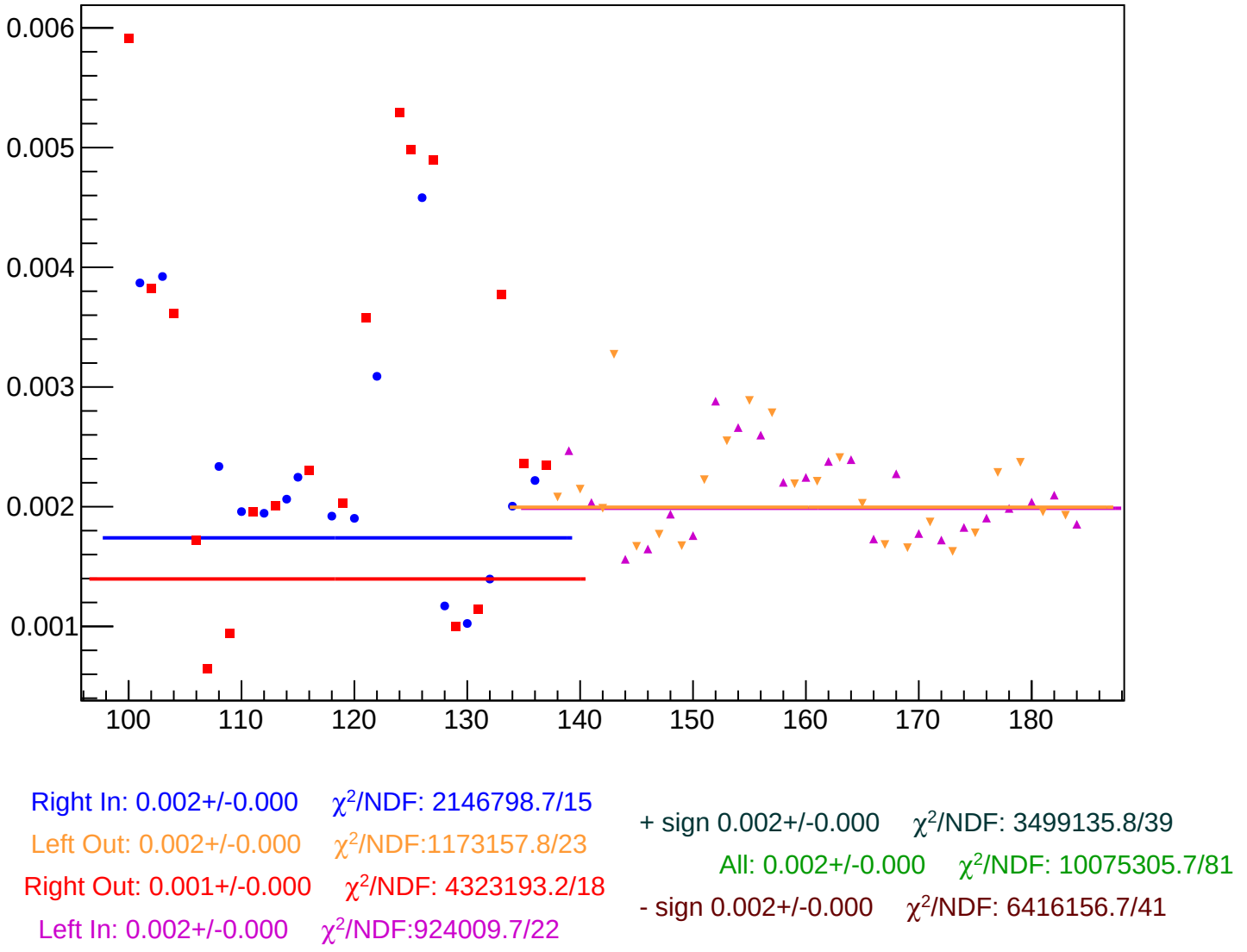
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

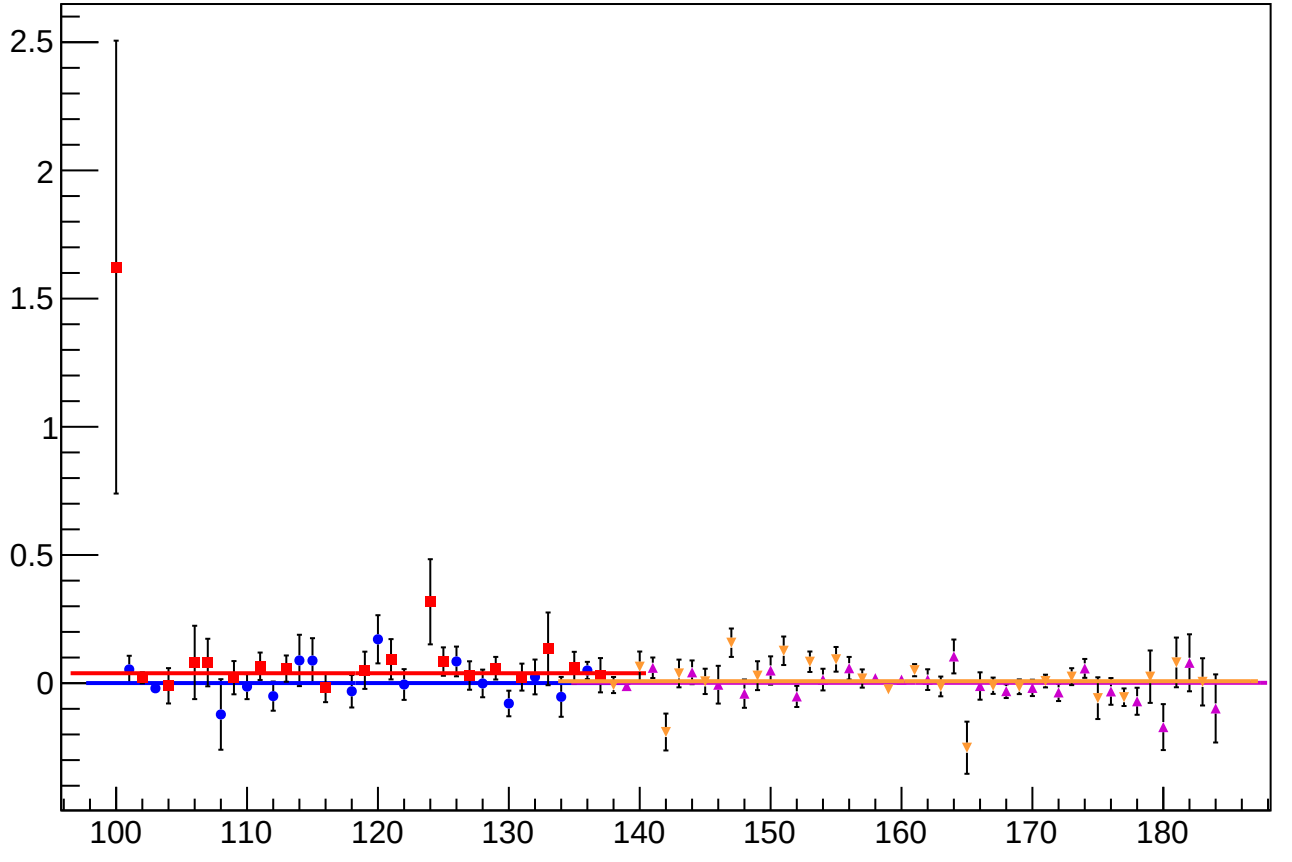
+ sign 0.000+/-0.000 χ^2/NDF: 64.6/39

All: 0.000+/-0.000 χ^2/NDF: 94.6/81

- sign 0.000+/-0.000 χ^2/NDF: 29.5/41


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 2146798.7/15
Left Out: 0.002+/-0.000 χ²/NDF:1173157.8/23
Right Out: 0.001+/-0.000 χ²/NDF: 4323193.2/18
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 3499135.8/39
All: 0.002+/-0.000 χ²/NDF: 10075305.7/81
- sign 0.002+/-0.000 χ²/NDF: 6416156.7/41

asym_sam_37_avg_eigen_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

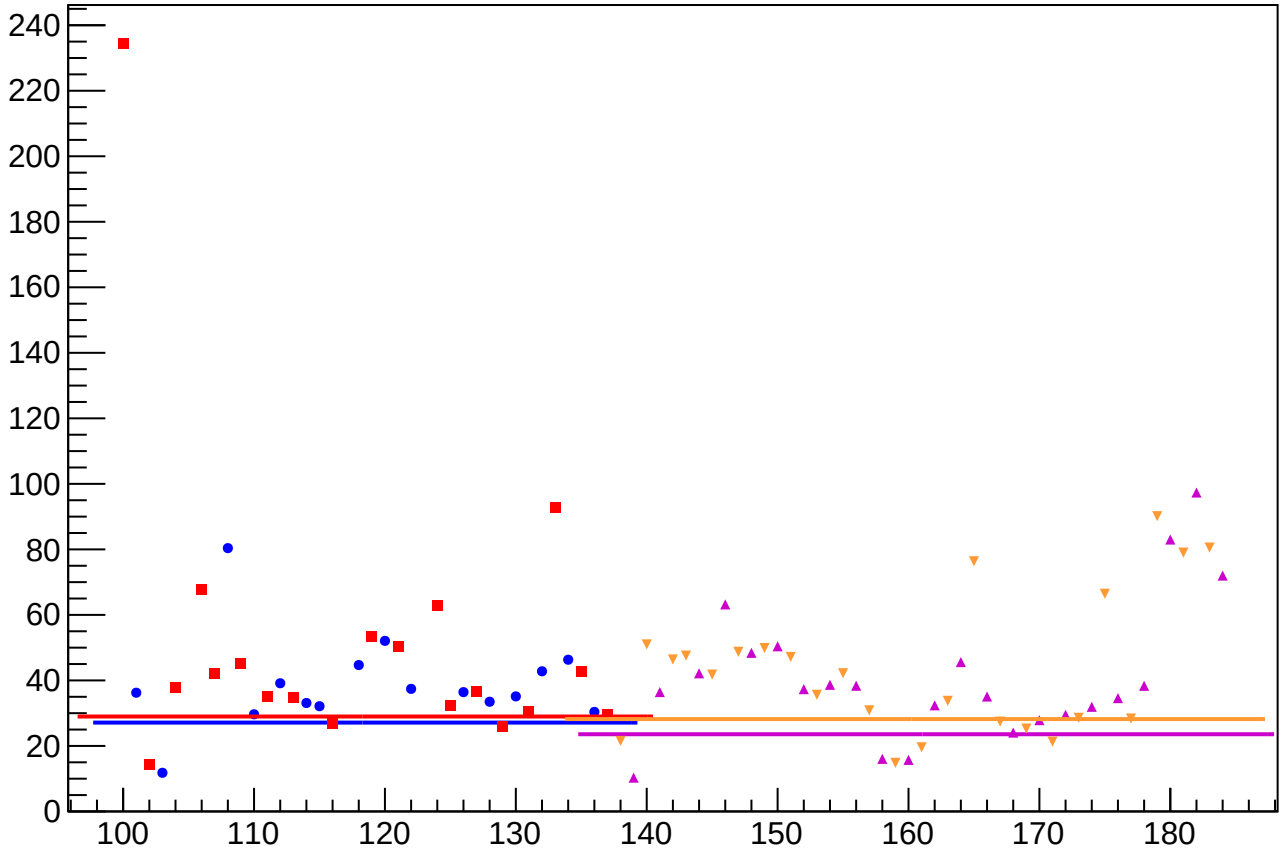
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/39

All: 0.008+/-0.004 χ^2/NDF: 107.4/81

- sign 0.010+/-0.006 χ^2/NDF: 43.0/41

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

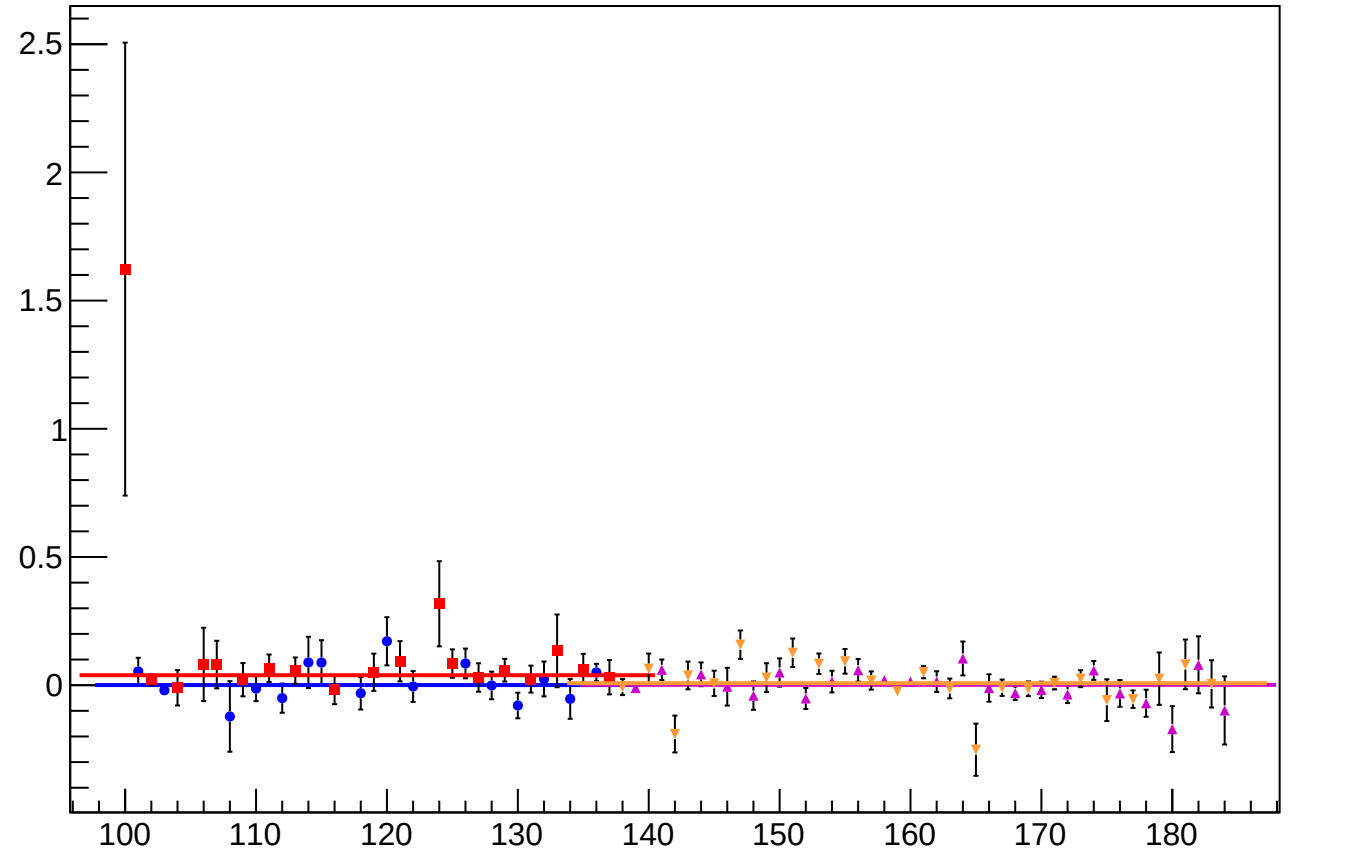
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 27.895+/-0.005 χ^2/NDF: 9023859.3/39

All: 26.235+/-0.003 χ^2/NDF: 20279024.1/81

- sign 24.787+/-0.004 χ^2/NDF: 11004763.1/41



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

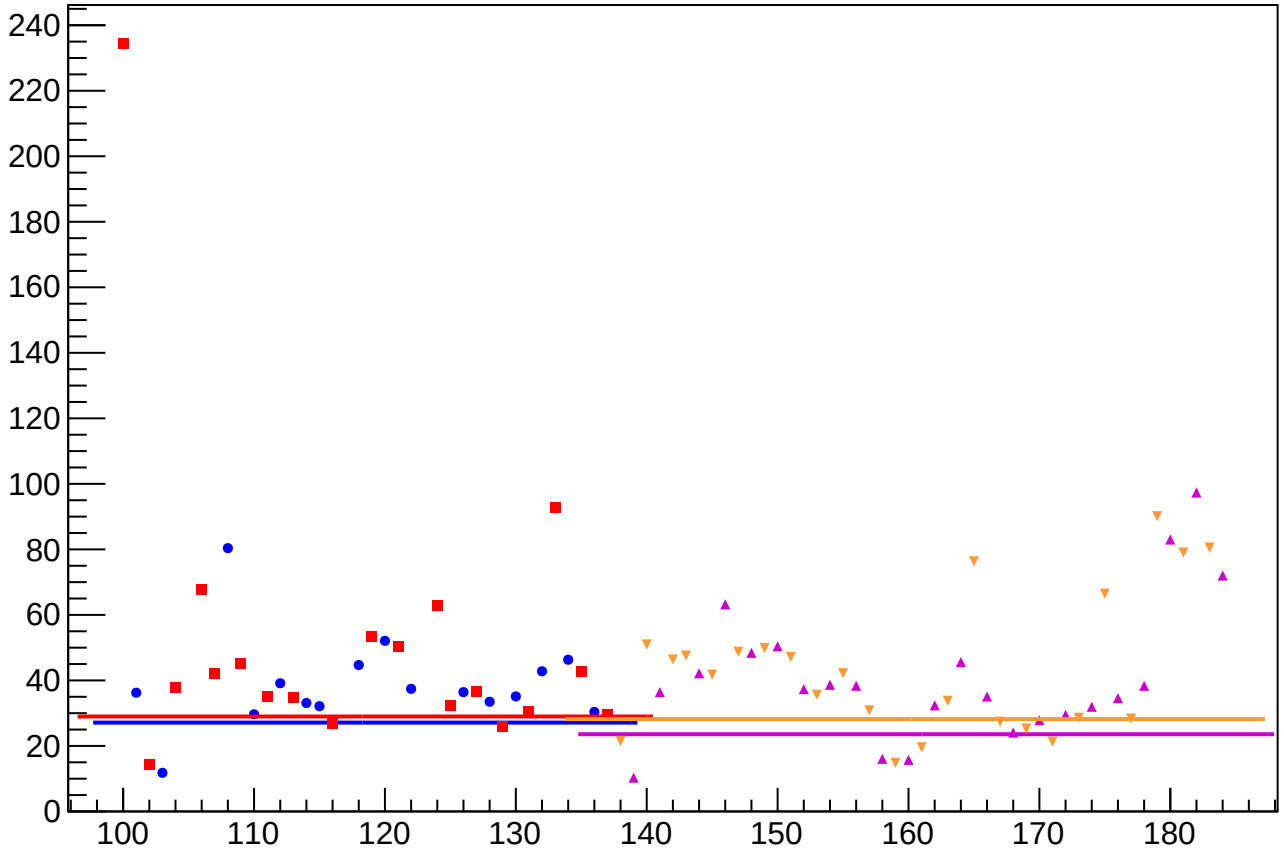
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.2/39

All: 0.008+/-0.004 χ^2/NDF: 107.4/81

- sign 0.010+/-0.006 χ^2/NDF: 43.0/41

asym_sam_37_avg_eigen_dit_vs_eigen_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

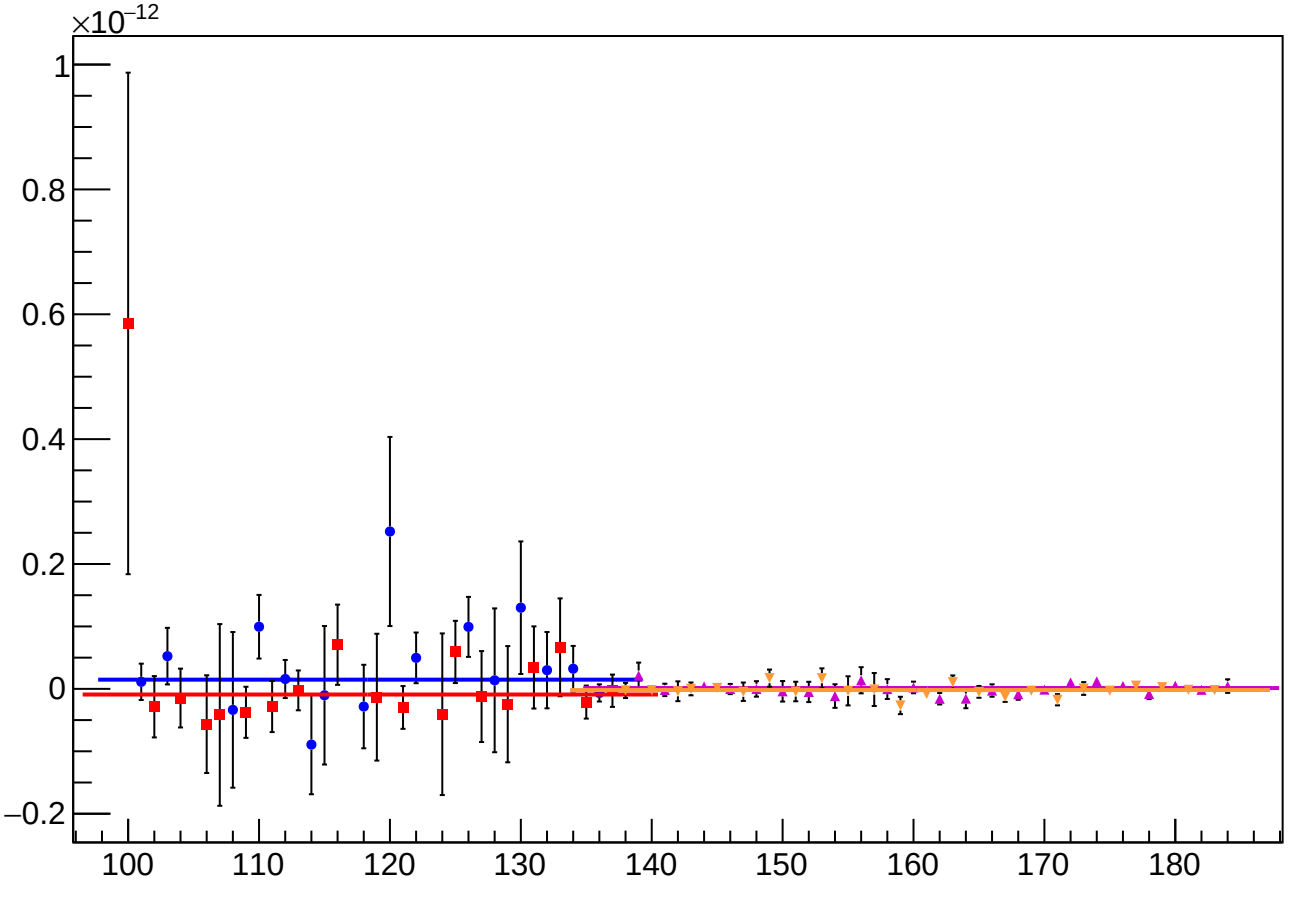
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 27.895+/-0.005 χ^2/NDF: 9023859.3/39

All: 26.235+/-0.003 χ^2/NDF: 20279024.1/81

- sign 24.787+/-0.004 χ^2/NDF: 11004763.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/23

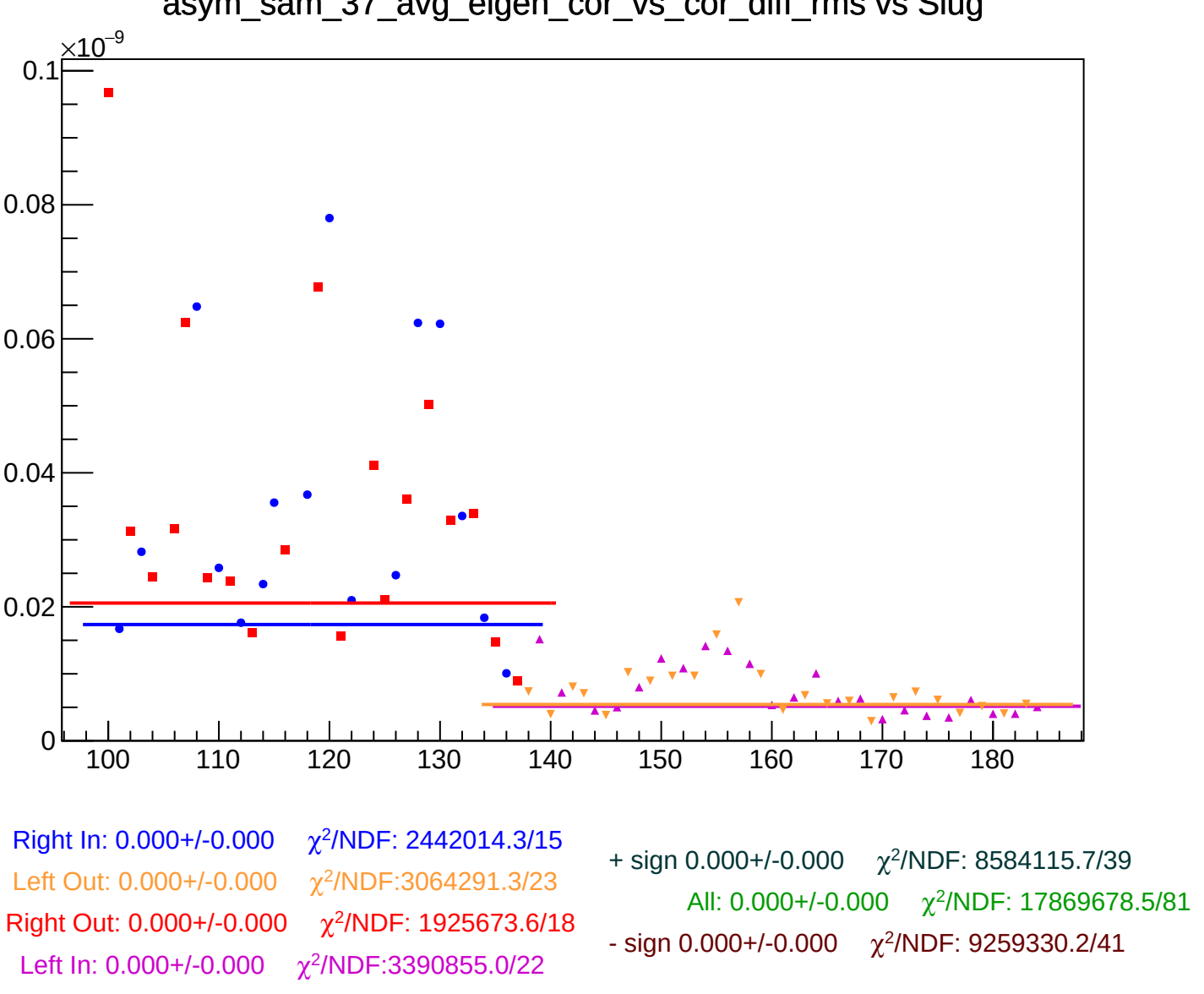
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

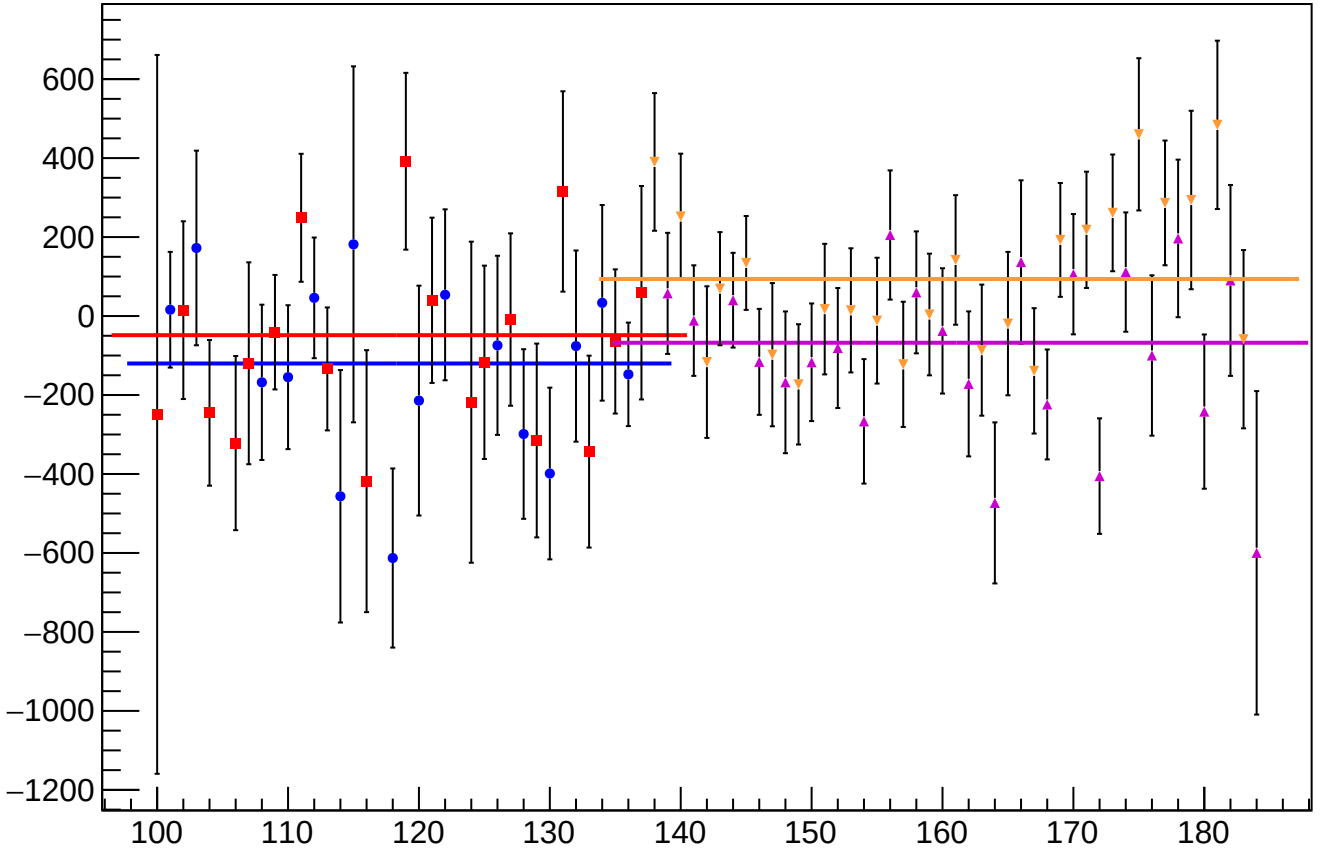
+ sign -0.000+/-0.000 χ^2/NDF: 34.4/39

All: -0.000+/-0.000 χ^2/NDF: 61.1/81

- sign 0.000+/-0.000 χ^2/NDF: 25.8/41


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:3390855.0/22
+ sign 0.000+/-0.000 χ²/NDF: 8584115.7/39
All: 0.000+/-0.000 χ²/NDF: 17869678.5/81
- sign 0.000+/-0.000 χ²/NDF: 9259330.2/41

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

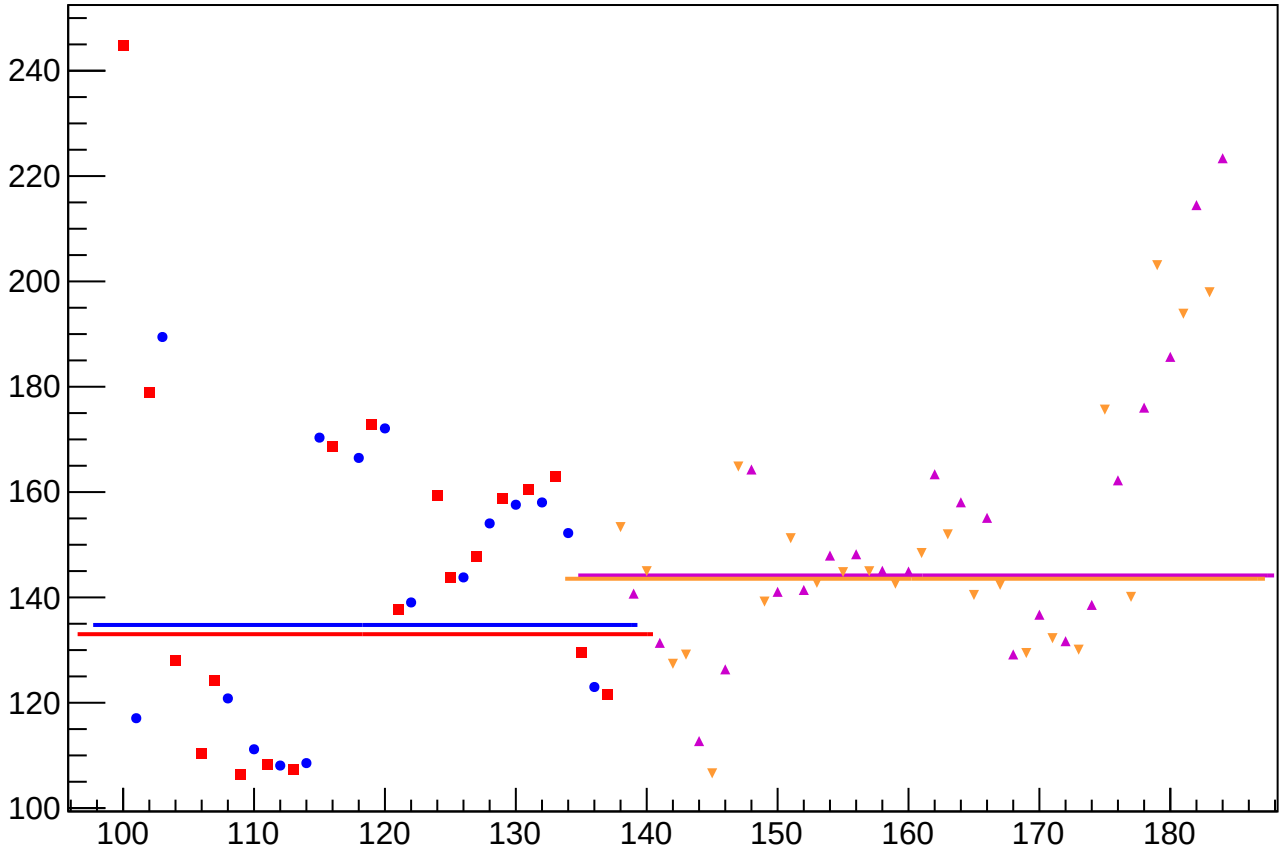
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 30.043+/-27.892 χ^2/NDF: 54.2/39

All: -15.278+/-19.823 χ^2/NDF: 103.2/81

- sign -61.527+/-28.177 χ^2/NDF: 43.6/41

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

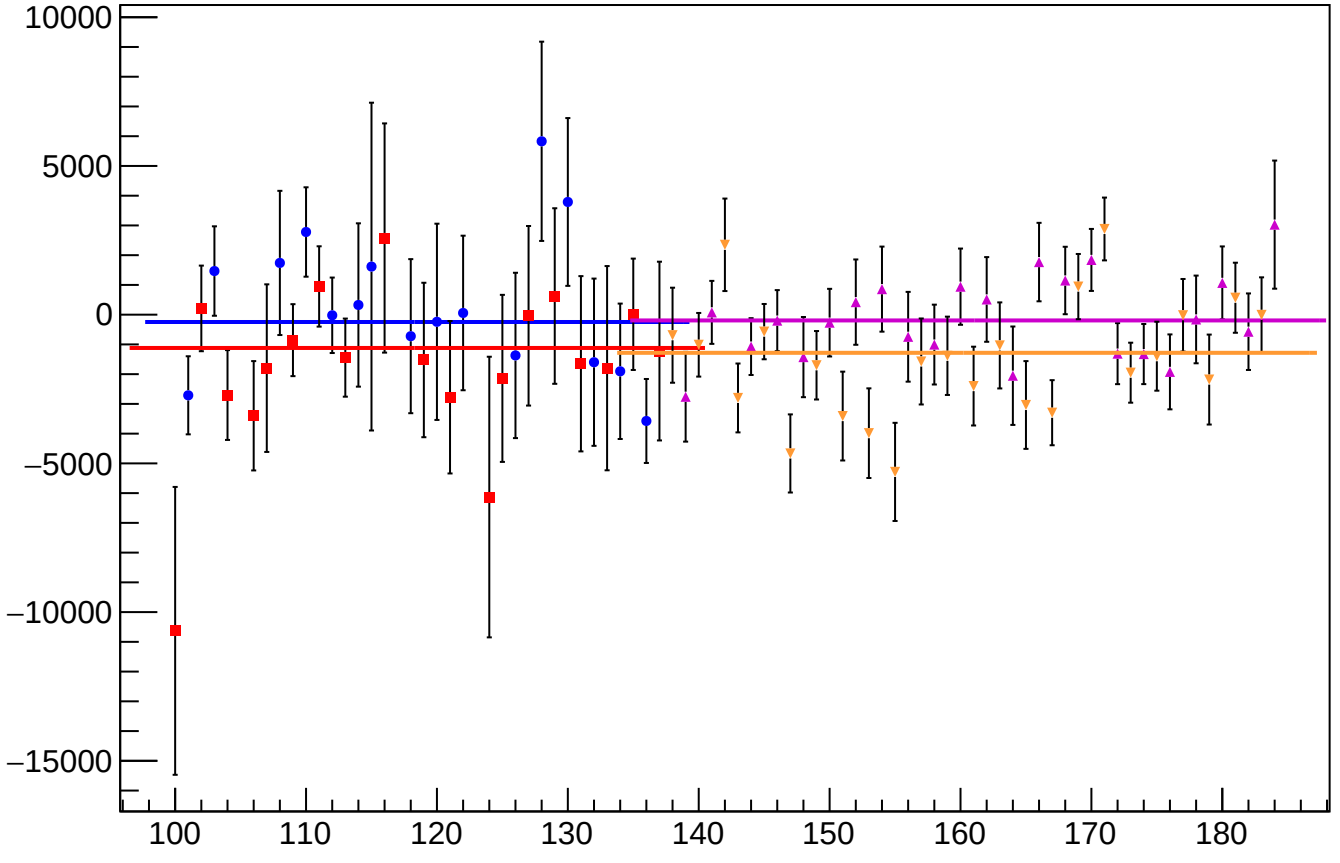
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 140.931+/-0.020 χ^2/NDF: 1203987.4/39

All: 140.775+/-0.014 χ^2/NDF: 2470562.1/81

- sign 140.616+/-0.020 χ^2/NDF: 1266448.8/41

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

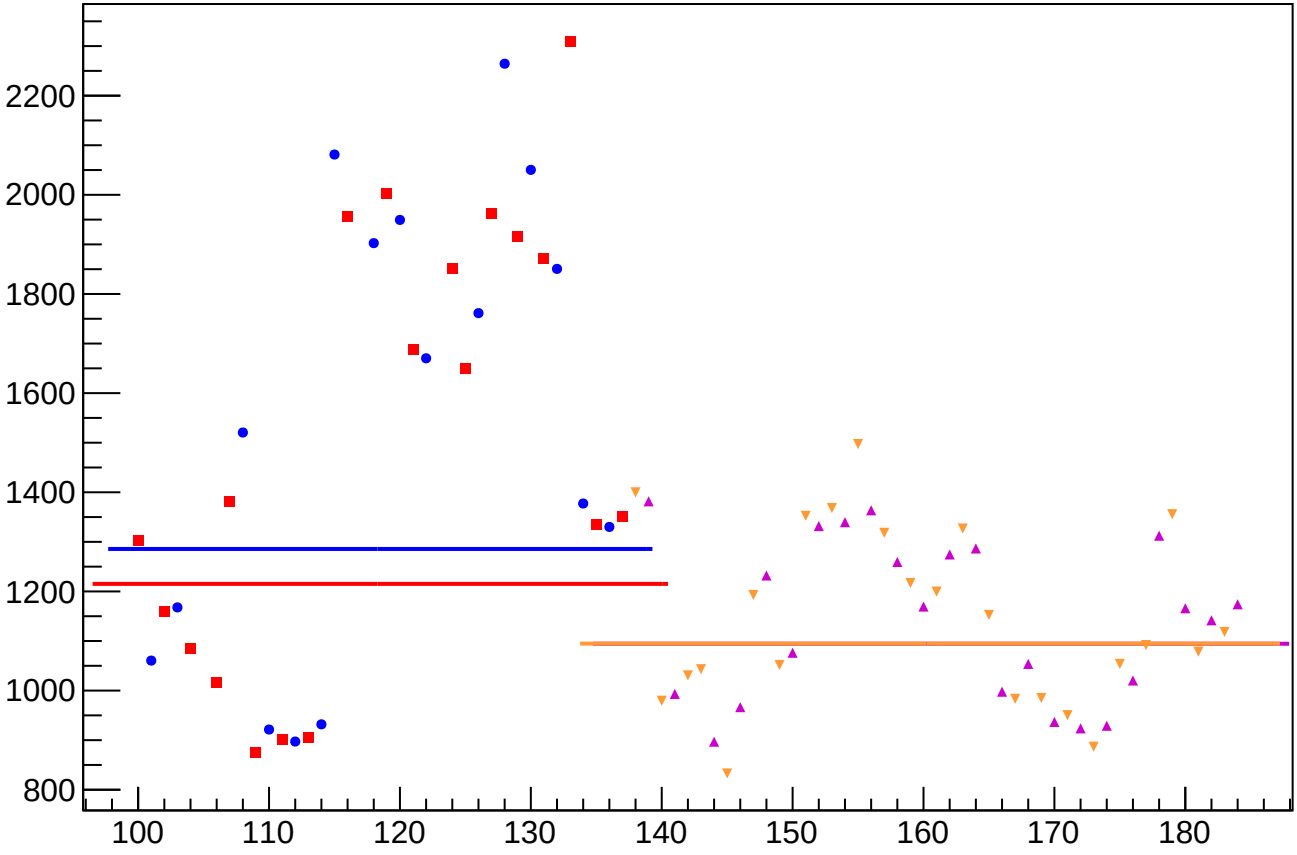
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1070.751+/-226.672 χ^2/NDF: 81.5/39

All: -740.499+/-160.258 χ^2/NDF: 125.4/81

- sign -410.444+/-226.605 χ^2/NDF: 39.7/41

asym_sam_48_avg_reg_correction_rms vs Slug



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

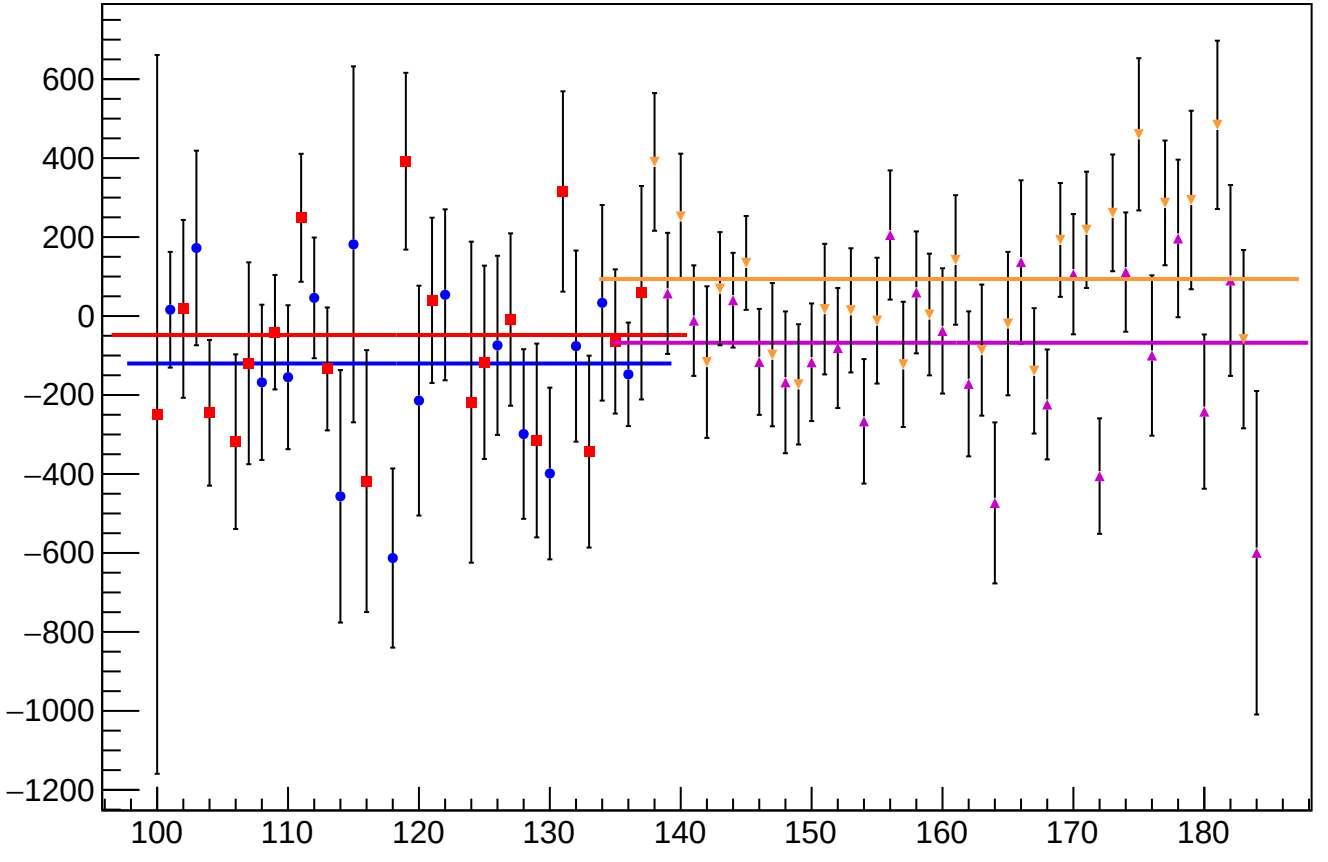
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1133.780+/-0.160 χ^2/NDF: 2280494.1/39

All: 1128.259+/-0.113 χ^2/NDF: 4503952.1/81

- sign 1122.742+/-0.160 χ^2/NDF: 2221085.9/41

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

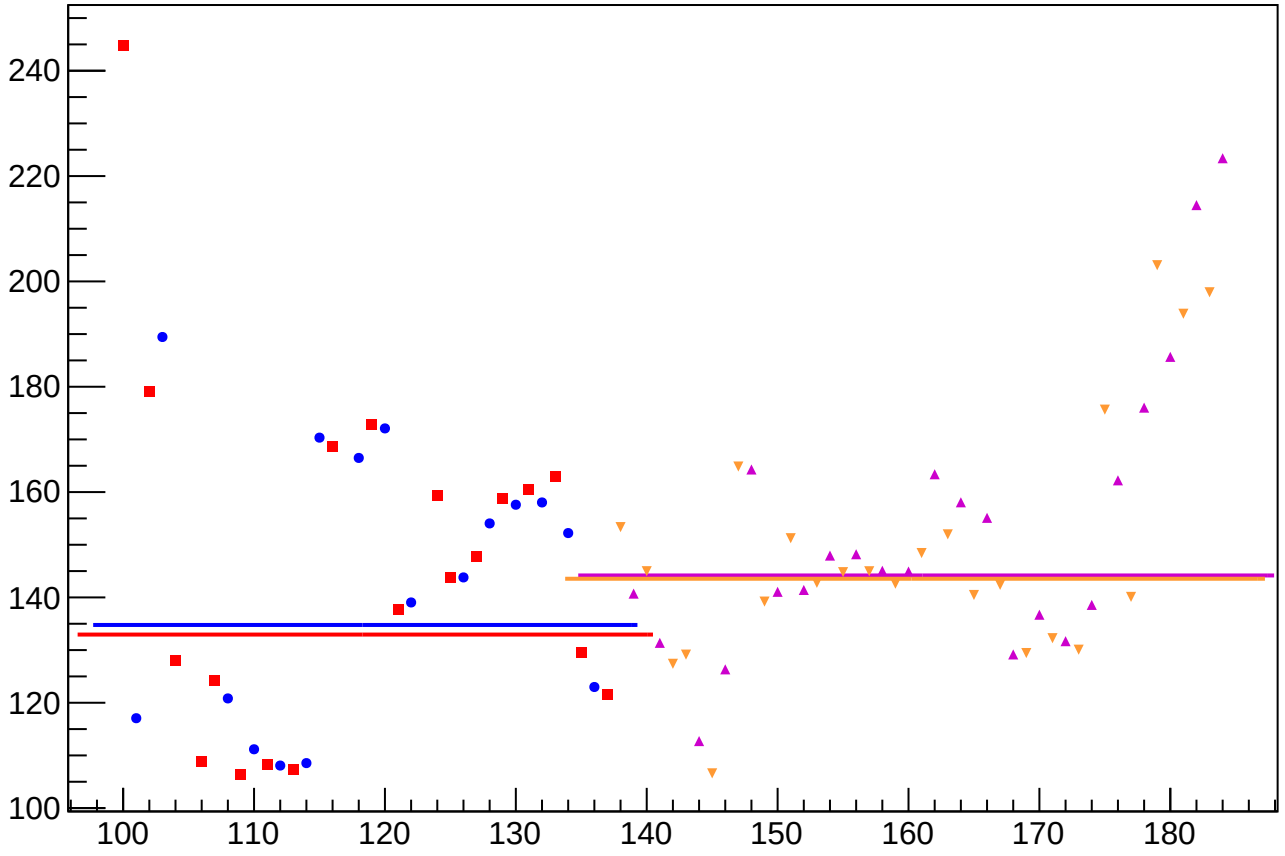
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 30.047+/-27.892 χ^2/NDF: 54.2/39

All: -15.206+/-19.823 χ^2/NDF: 103.1/81

- sign -61.391+/-28.178 χ^2/NDF: 43.6/41

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

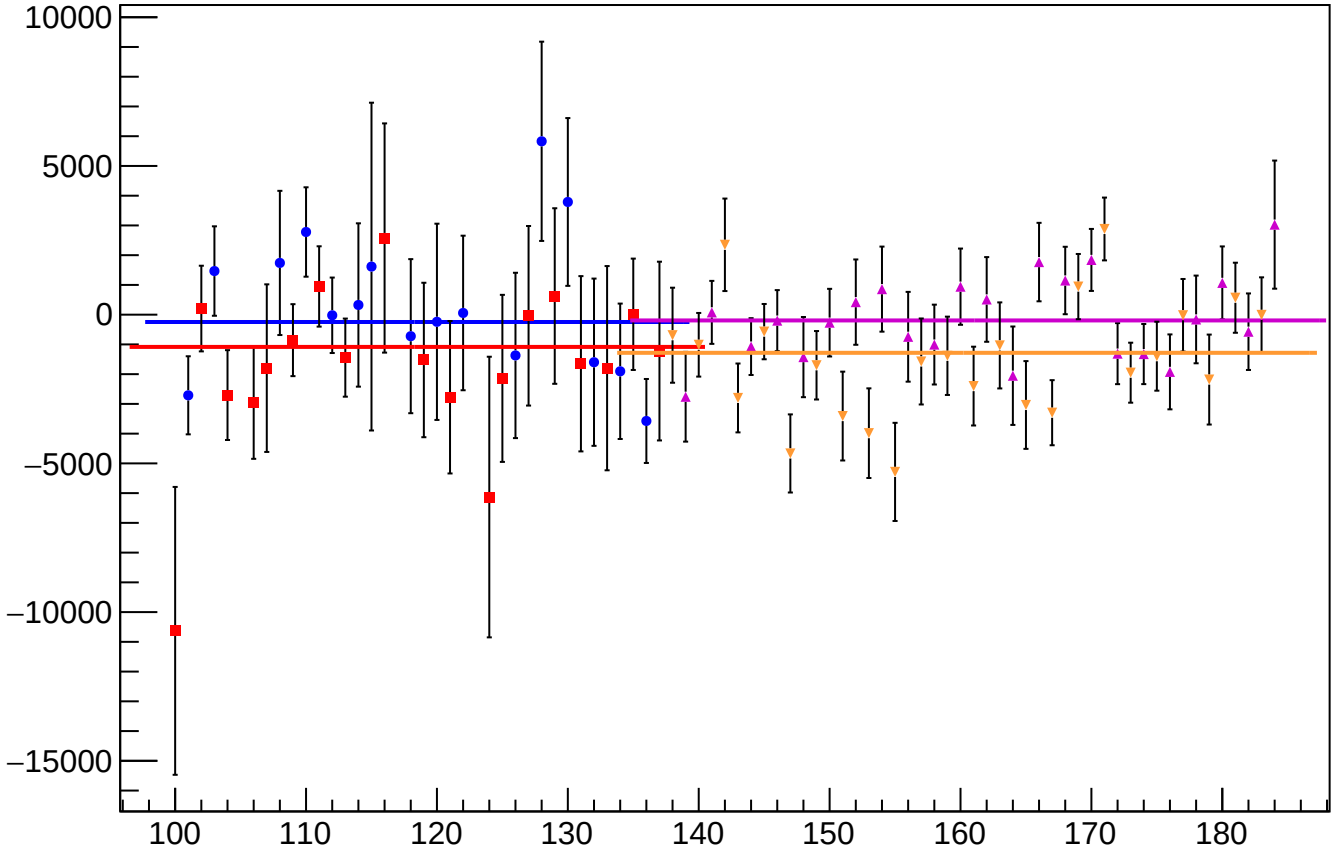
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 140.931+/-0.020 χ^2/NDF: 1203990.3/39

All: 140.764+/-0.014 χ^2/NDF: 2474585.7/81

- sign 140.594+/-0.020 χ^2/NDF: 1270451.1/41

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

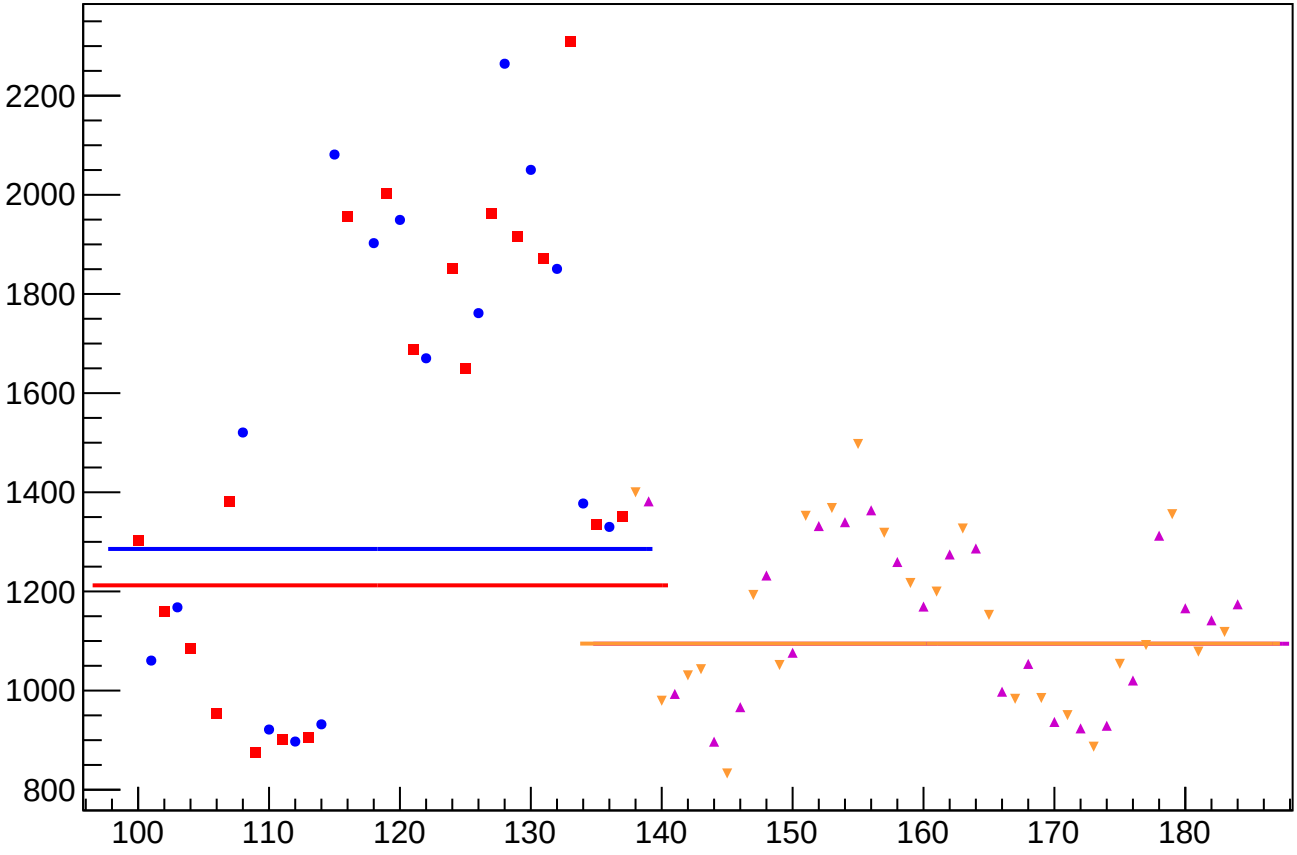
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1070.759+/-226.673 χ^2/NDF: 81.5/39

All: -736.209+/-160.295 χ^2/NDF: 124.7/81

- sign -401.550+/-226.709 χ^2/NDF: 38.8/41

asym_sam_48_avg_cor_correction_rms vs Slug



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

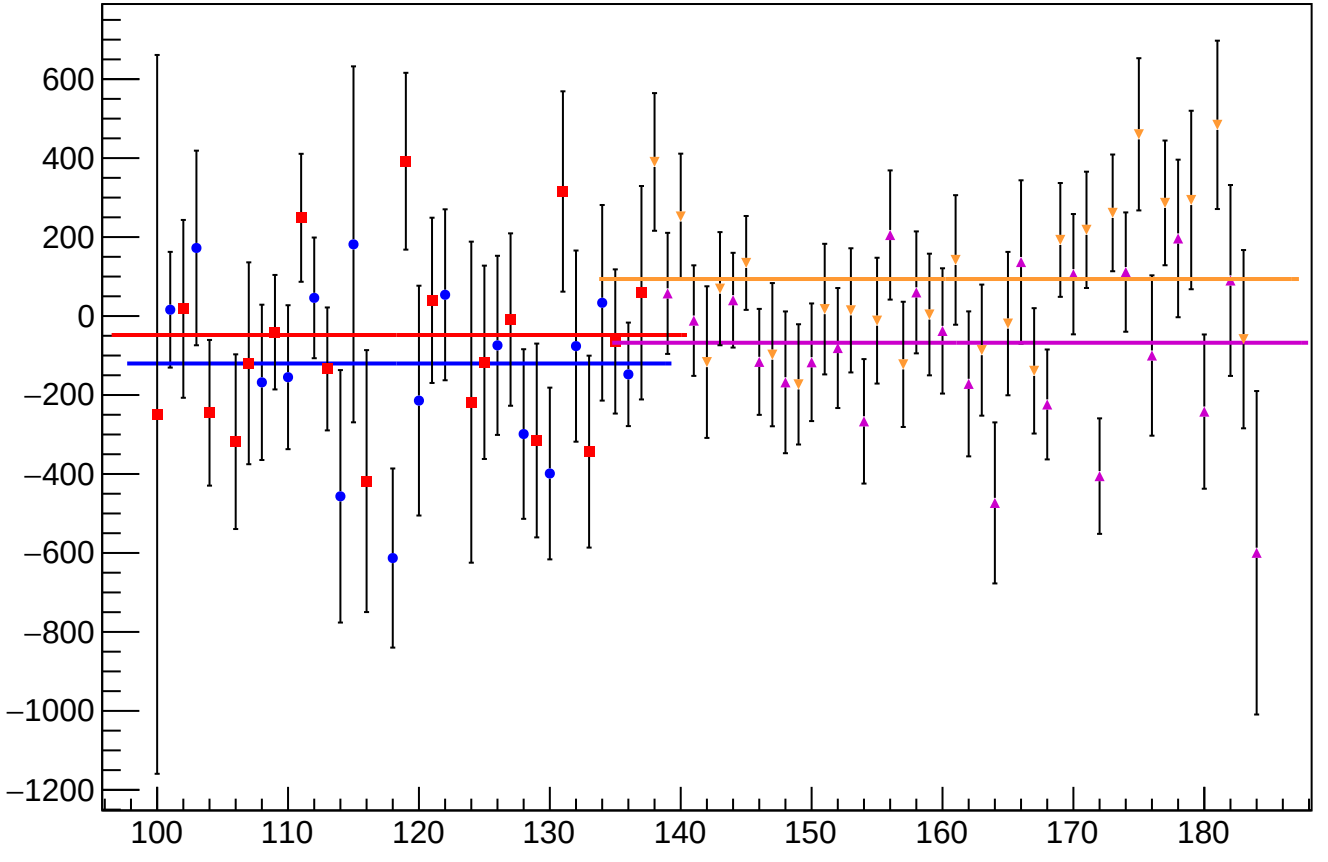
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1133.782+/-0.160 χ^2/NDF: 2280499.5/39

All: 1127.875+/-0.113 χ^2/NDF: 4513422.8/81

- sign 1121.966+/-0.160 χ^2/NDF: 2230206.2/41

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

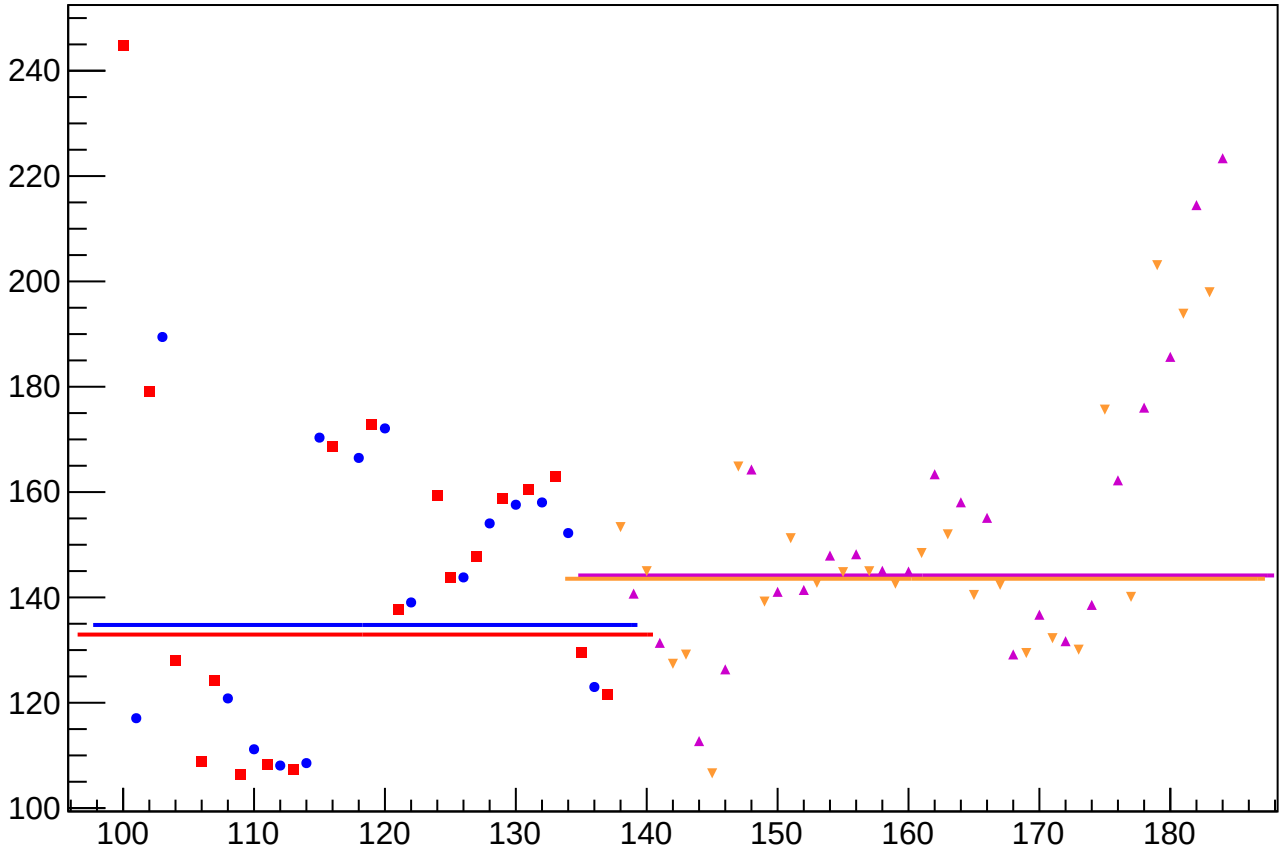
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 30.047+/-27.892 χ^2/NDF: 54.2/39

All: -15.206+/-19.823 χ^2/NDF: 103.1/81

- sign -61.391+/-28.178 χ^2/NDF: 43.6/41

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

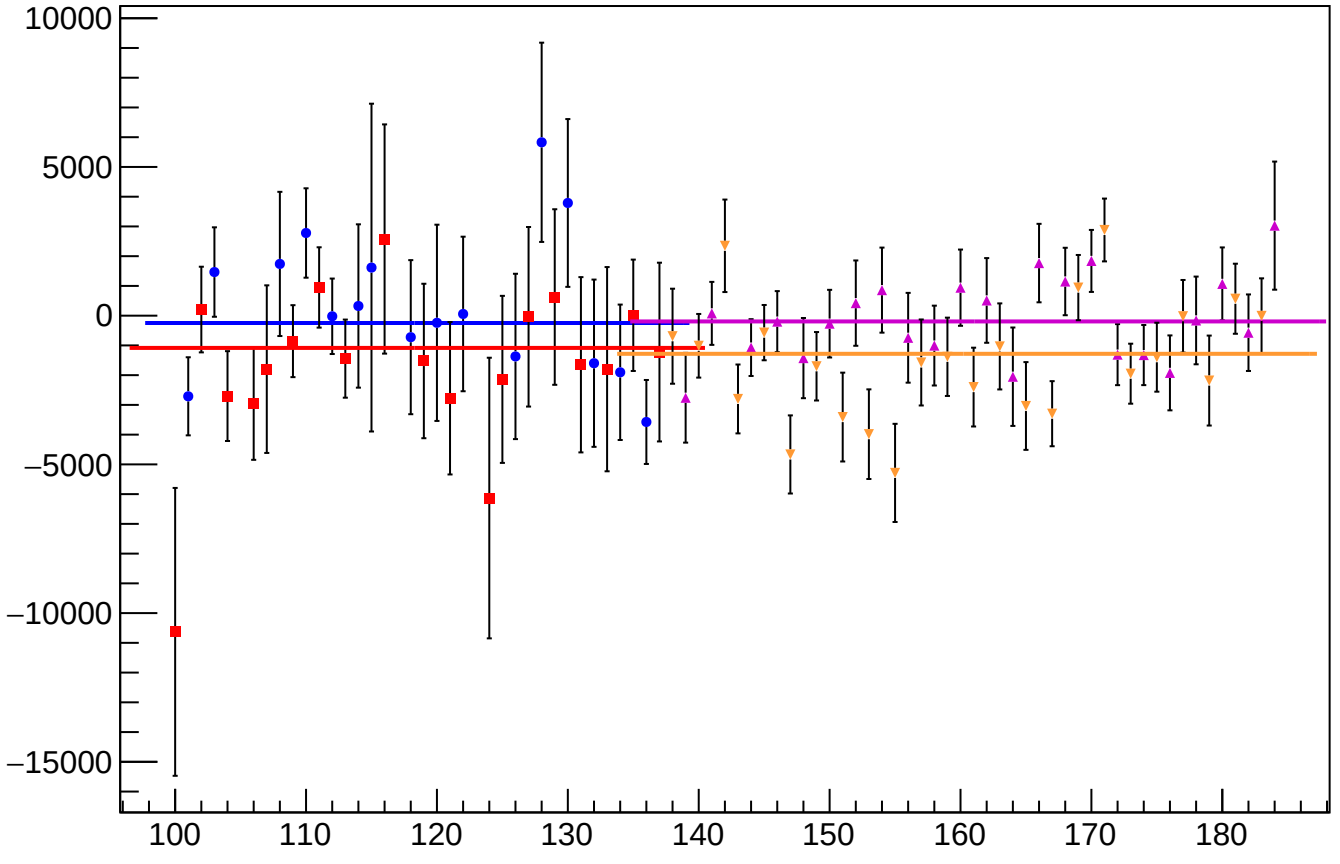
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 140.931+/-0.020 χ^2/NDF: 1203990.3/39

All: 140.764+/-0.014 χ^2/NDF: 2474585.7/81

- sign 140.594+/-0.020 χ^2/NDF: 1270451.1/41



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1282.490+/-254.121 χ^2/NDF:56.5/23

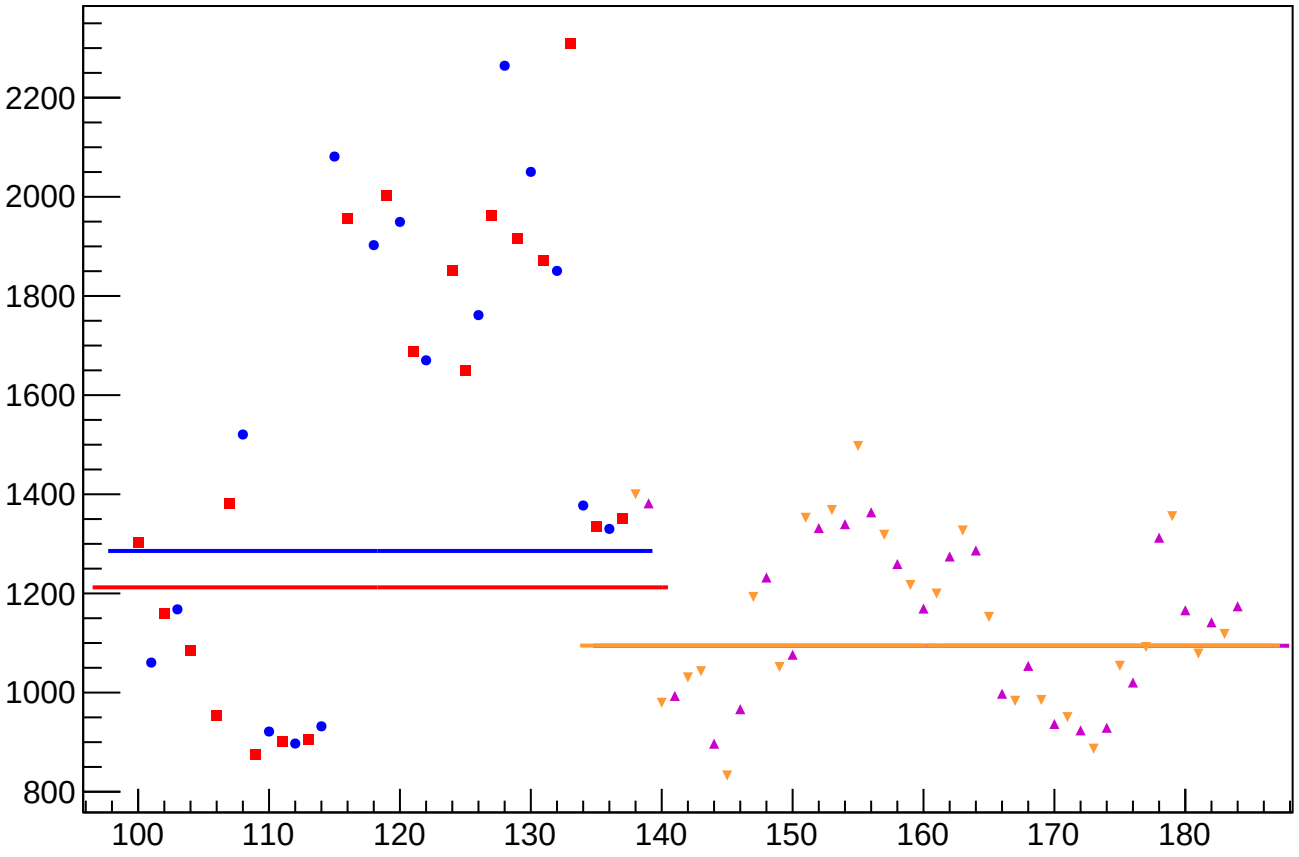
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1070.759+/-226.673 χ^2/NDF: 81.5/39

All: -736.209+/-160.295 χ^2/NDF: 124.7/81

- sign -401.550+/-226.709 χ^2/NDF: 38.8/41



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

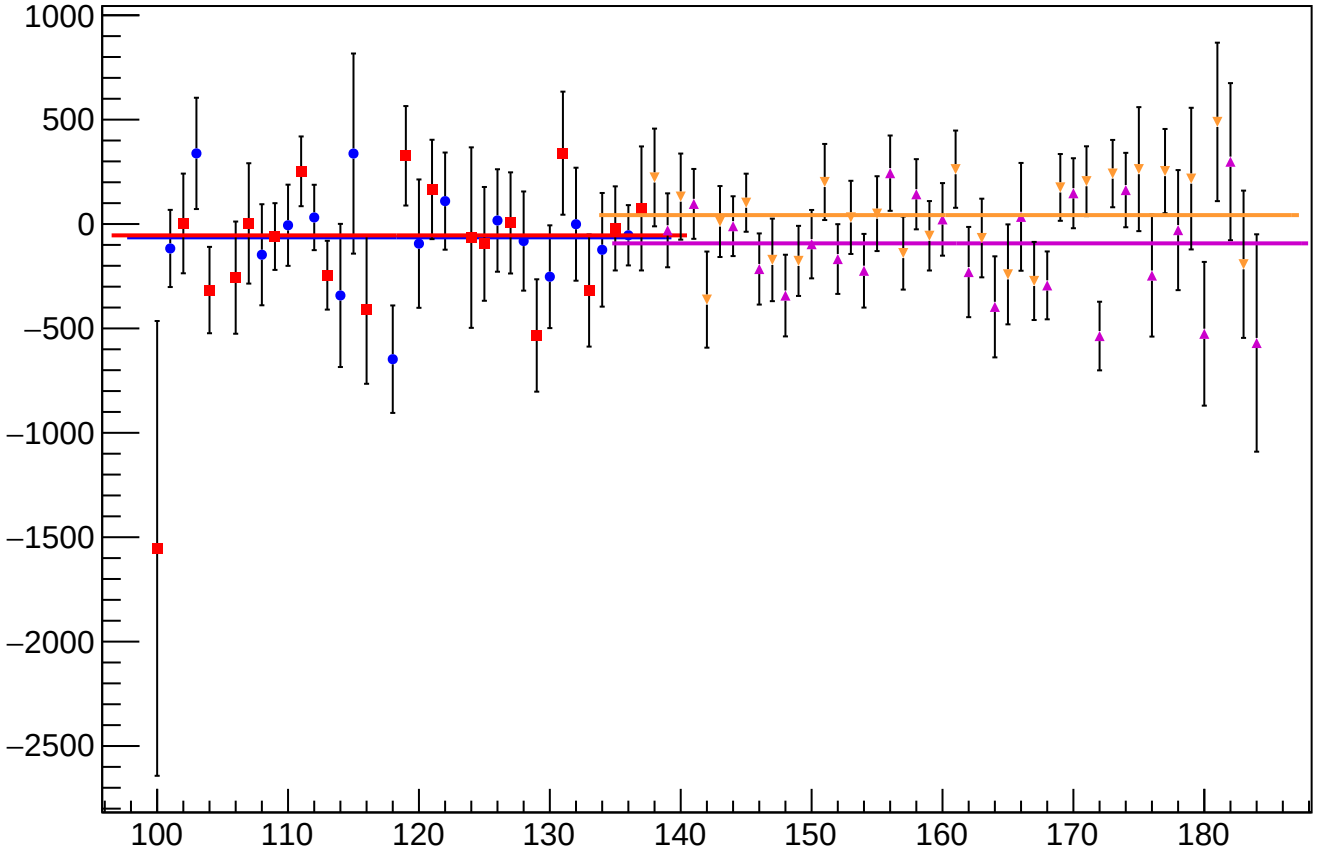
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1133.782+/-0.160 χ^2/NDF: 2280499.5/39

All: 1127.875+/-0.113 χ^2/NDF: 4513422.8/81

- sign 1121.966+/-0.160 χ^2/NDF: 2230206.2/41

dit_asym_sam_48_avg_mean vs Slug



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

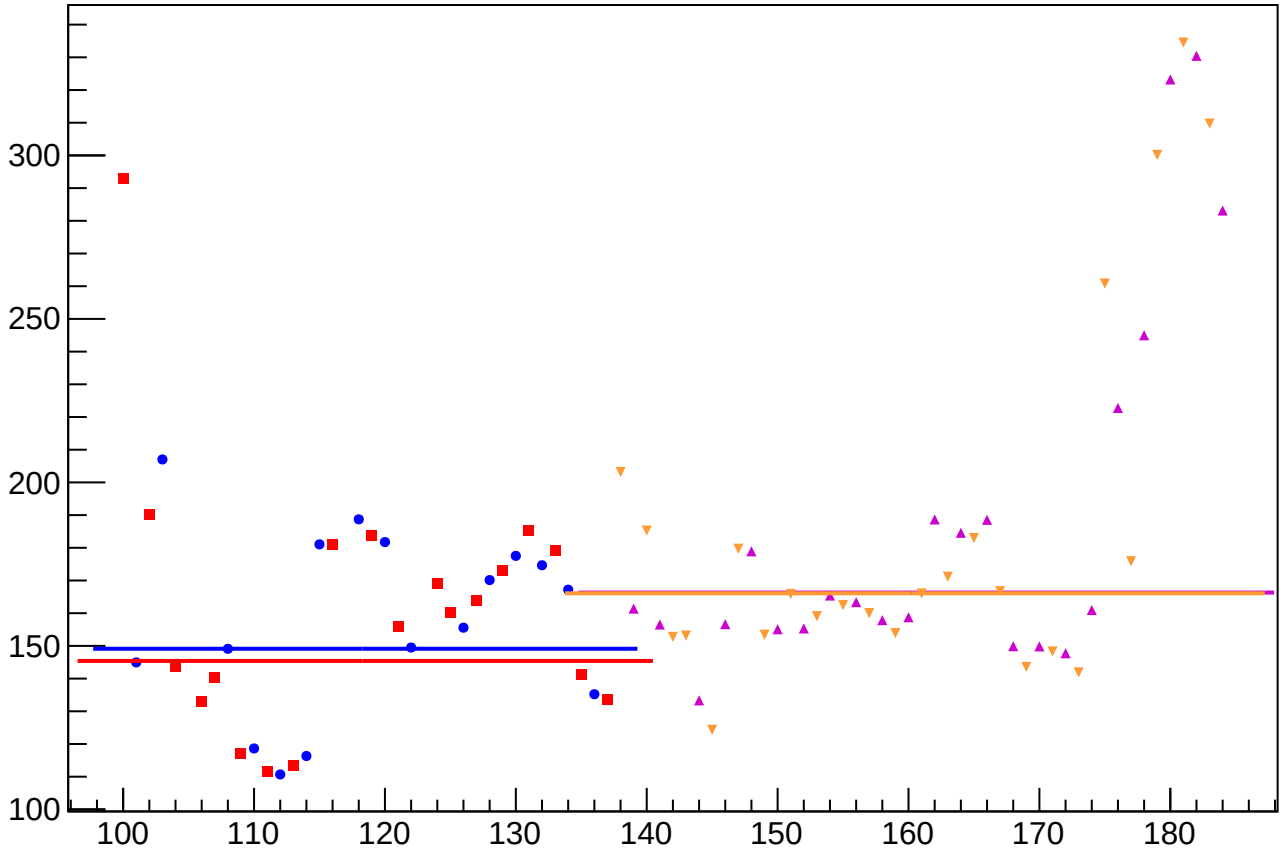
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 8.185+/-32.312 χ^2/NDF: 35.3/39

All: -35.396+/-22.873 χ^2/NDF: 88.2/81

- sign -79.170+/-32.384 χ^2/NDF: 49.3/41

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

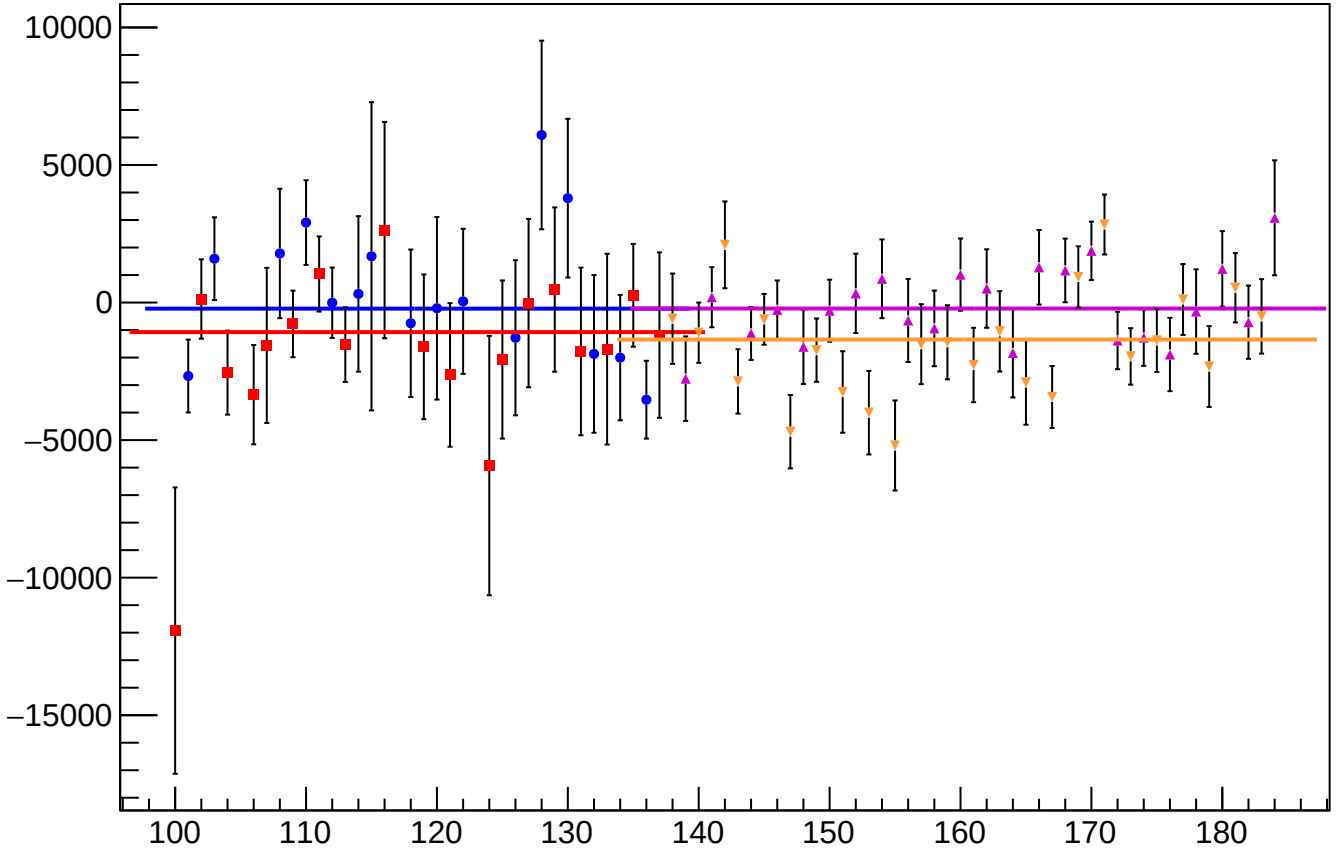
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 160.584+/-0.023 χ^2/NDF: 2241261.7/39

All: 159.790+/-0.016 χ^2/NDF: 4351641.3/81

- sign 158.991+/-0.023 χ^2/NDF: 2107953.2/41

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

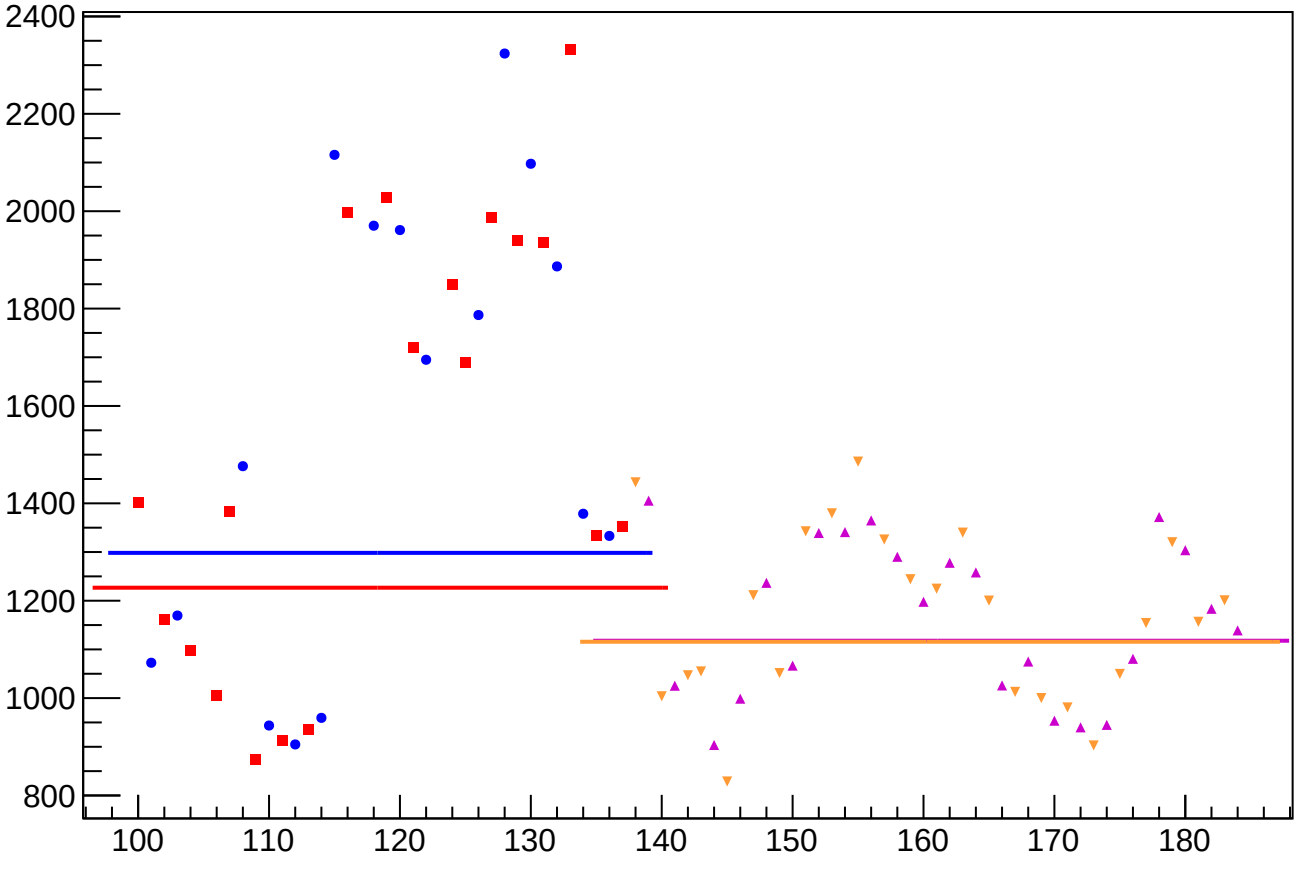
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1112.170+/-230.341 χ^2/NDF: 78.4/39

All: -767.443+/-163.024 χ^2/NDF: 121.3/81

- sign -421.457+/-230.761 χ^2/NDF: 38.4/41

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

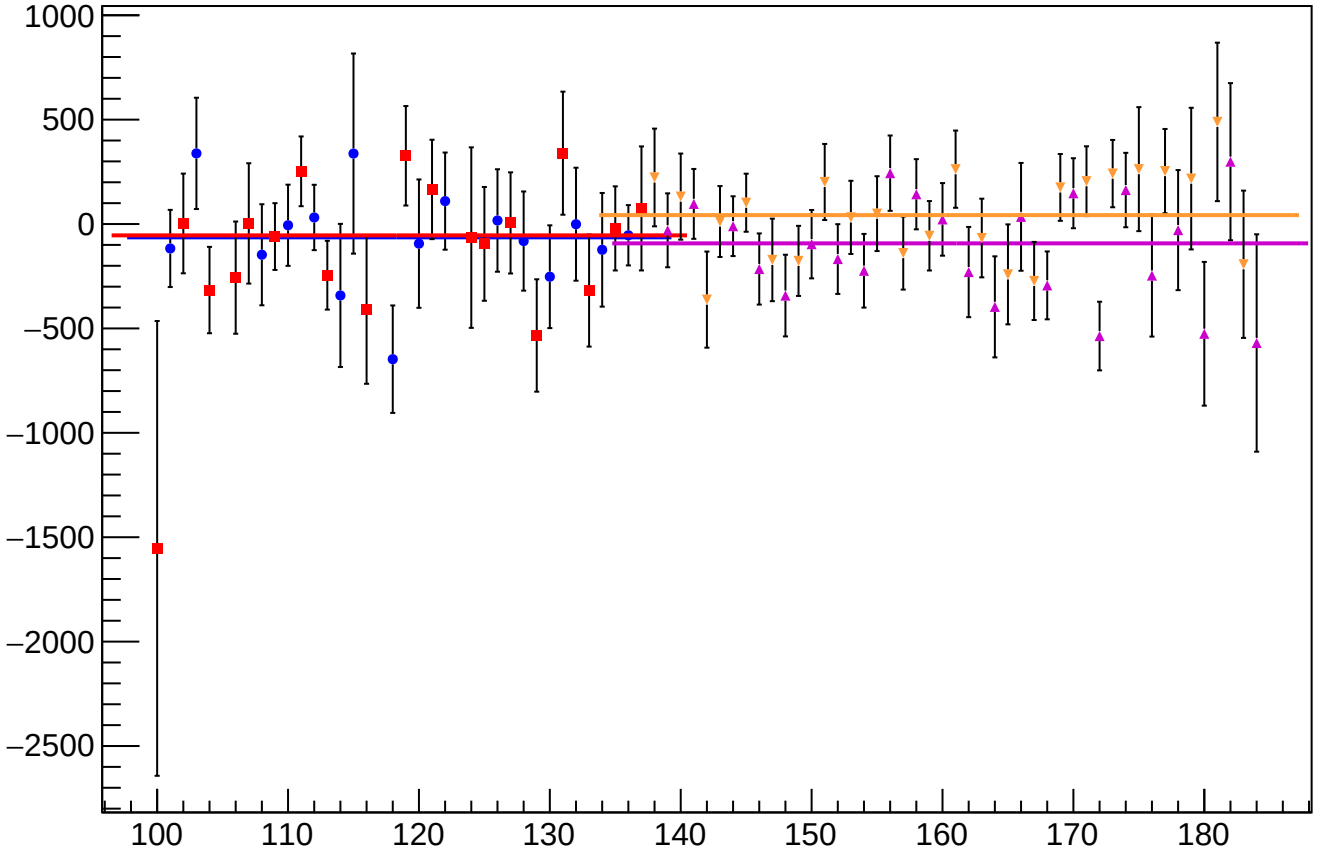
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1153.530+/-0.163 χ^2/NDF: 2255681.8/39

All: 1148.659+/-0.115 χ^2/NDF: 4472202.8/81

- sign 1143.770+/-0.163 χ^2/NDF: 2214729.1/41

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

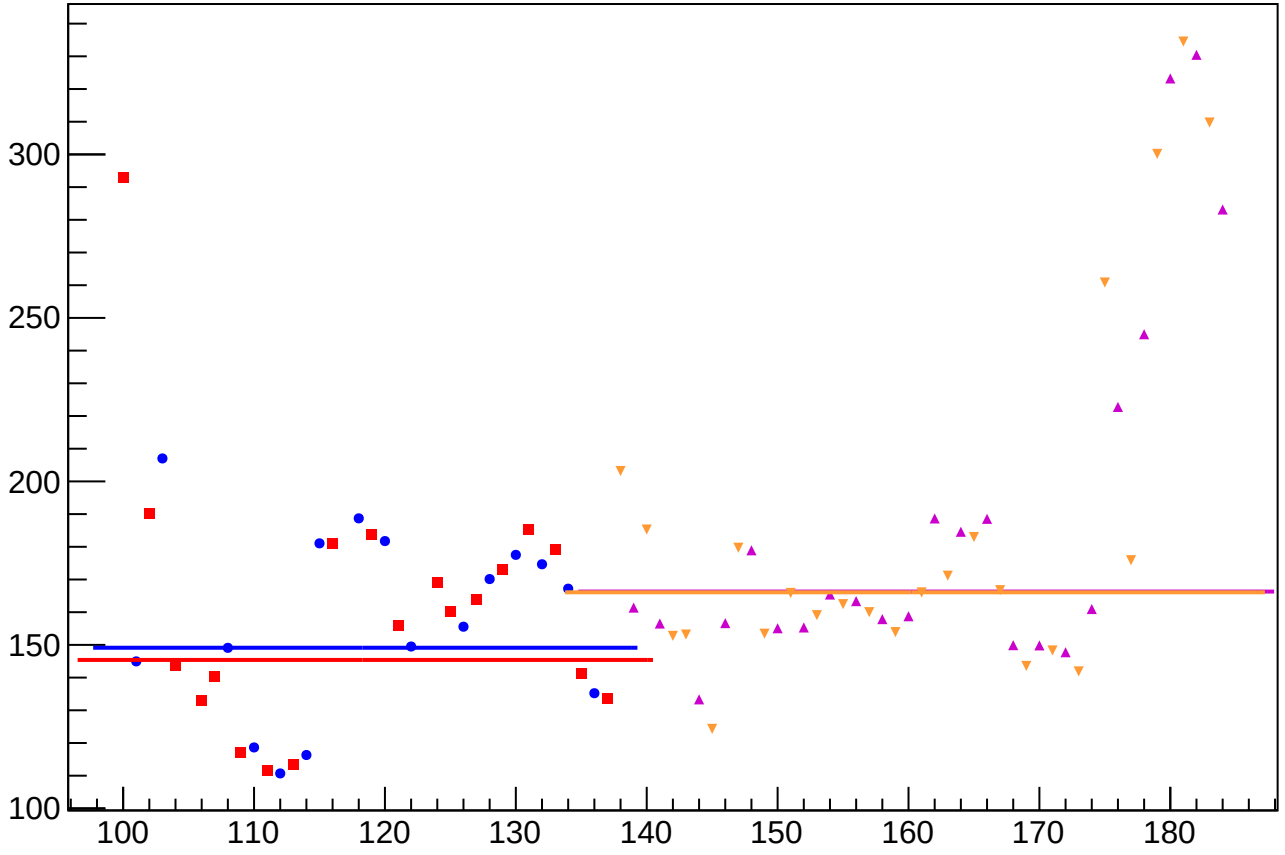
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 8.188+/-32.312 χ^2/NDF: 35.3/39

All: -35.395+/-22.873 χ^2/NDF: 88.2/81

- sign -79.170+/-32.384 χ^2/NDF: 49.3/41

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

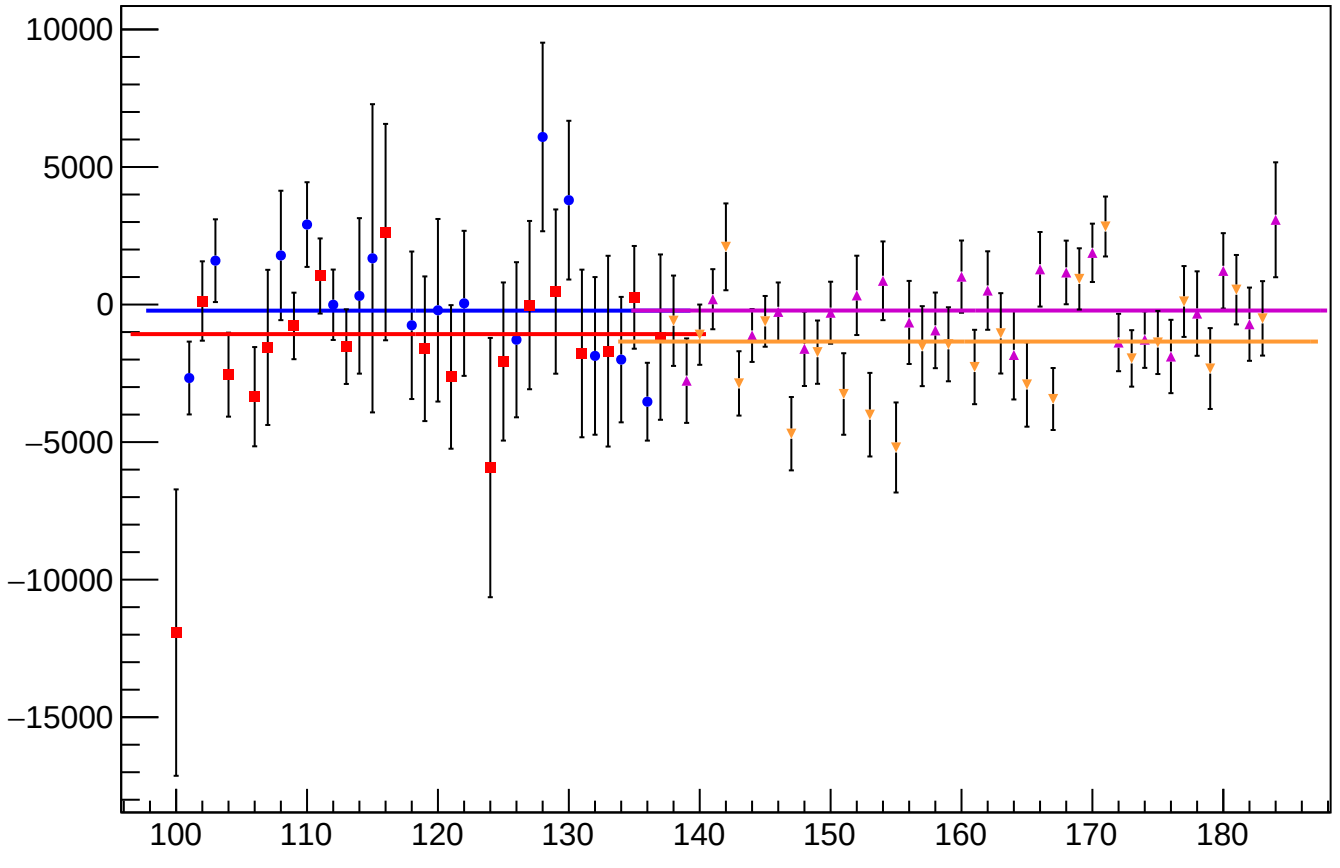
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 160.585+/-0.023 χ^2/NDF: 2241262.9/39

All: 159.790+/-0.016 χ^2/NDF: 4351629.9/81

- sign 158.991+/-0.023 χ^2/NDF: 2107940.6/41



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

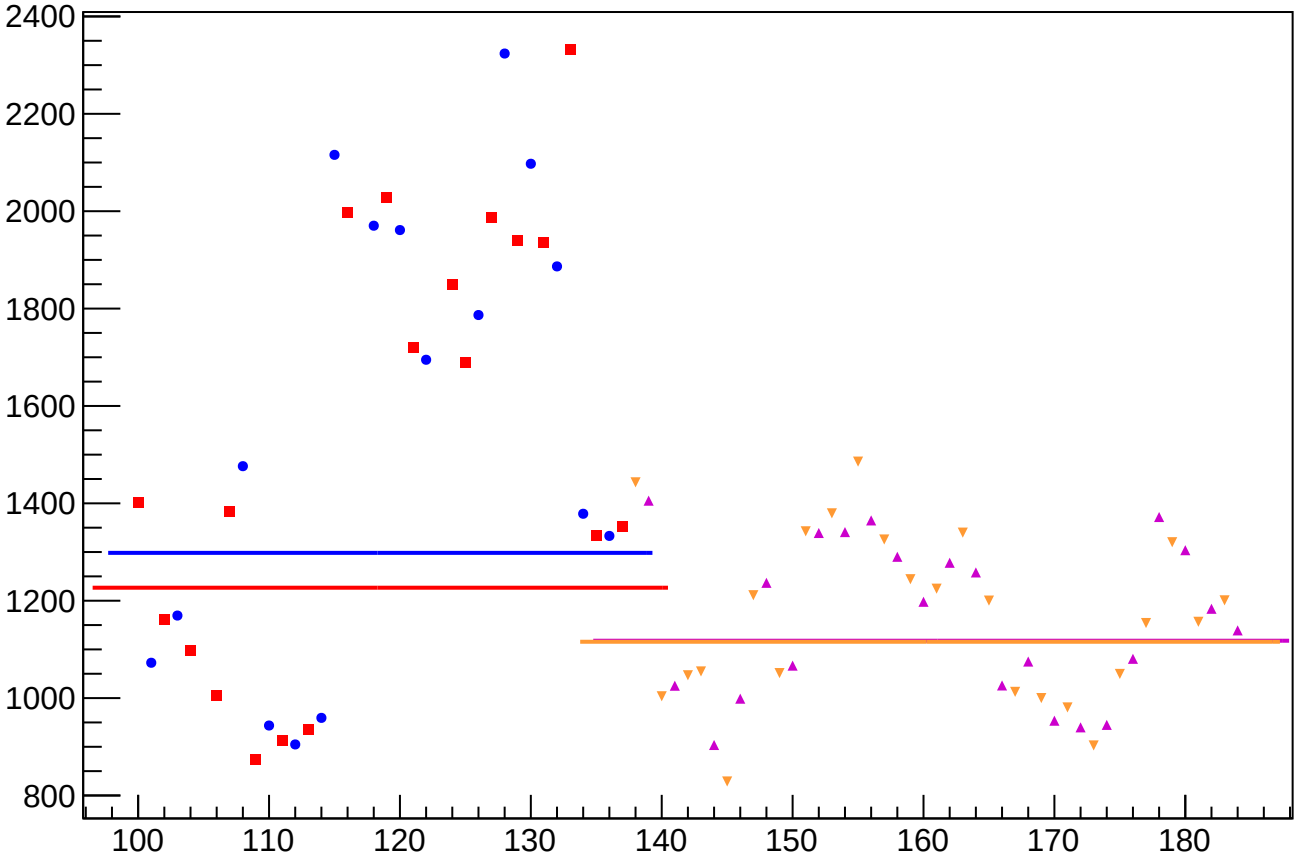
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1112.168+/-230.341 χ^2/NDF: 78.4/39

All: -767.441+/-163.024 χ^2/NDF: 121.3/81

- sign -421.455+/-230.761 χ^2/NDF: 38.4/41

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

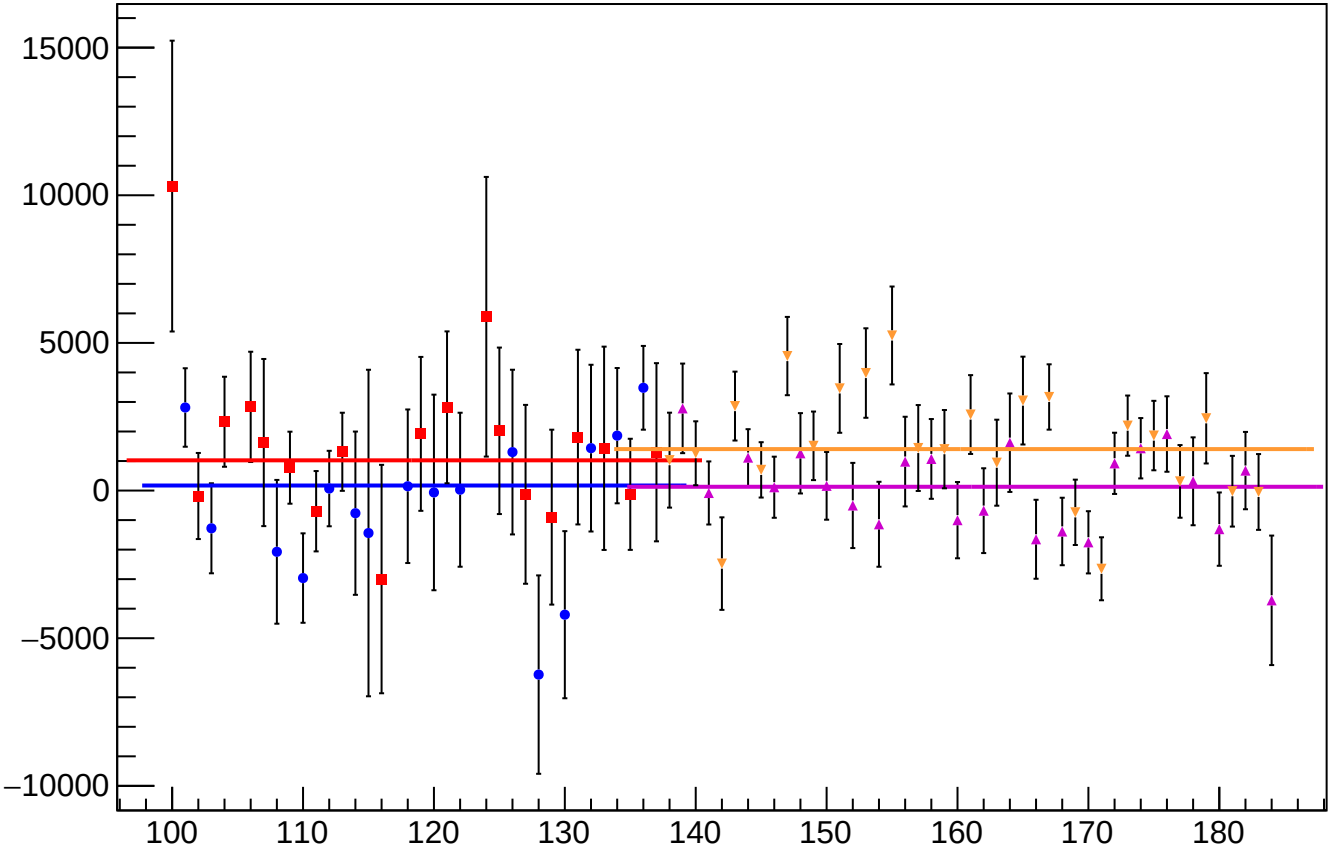
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1153.528+/-0.163 χ^2/NDF: 2255689.6/39

All: 1148.657+/-0.115 χ^2/NDF: 4472213.5/81

- sign 1143.769+/-0.163 χ^2/NDF: 2214732.0/41

asym_sam_48_avg_mean vs Slug



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

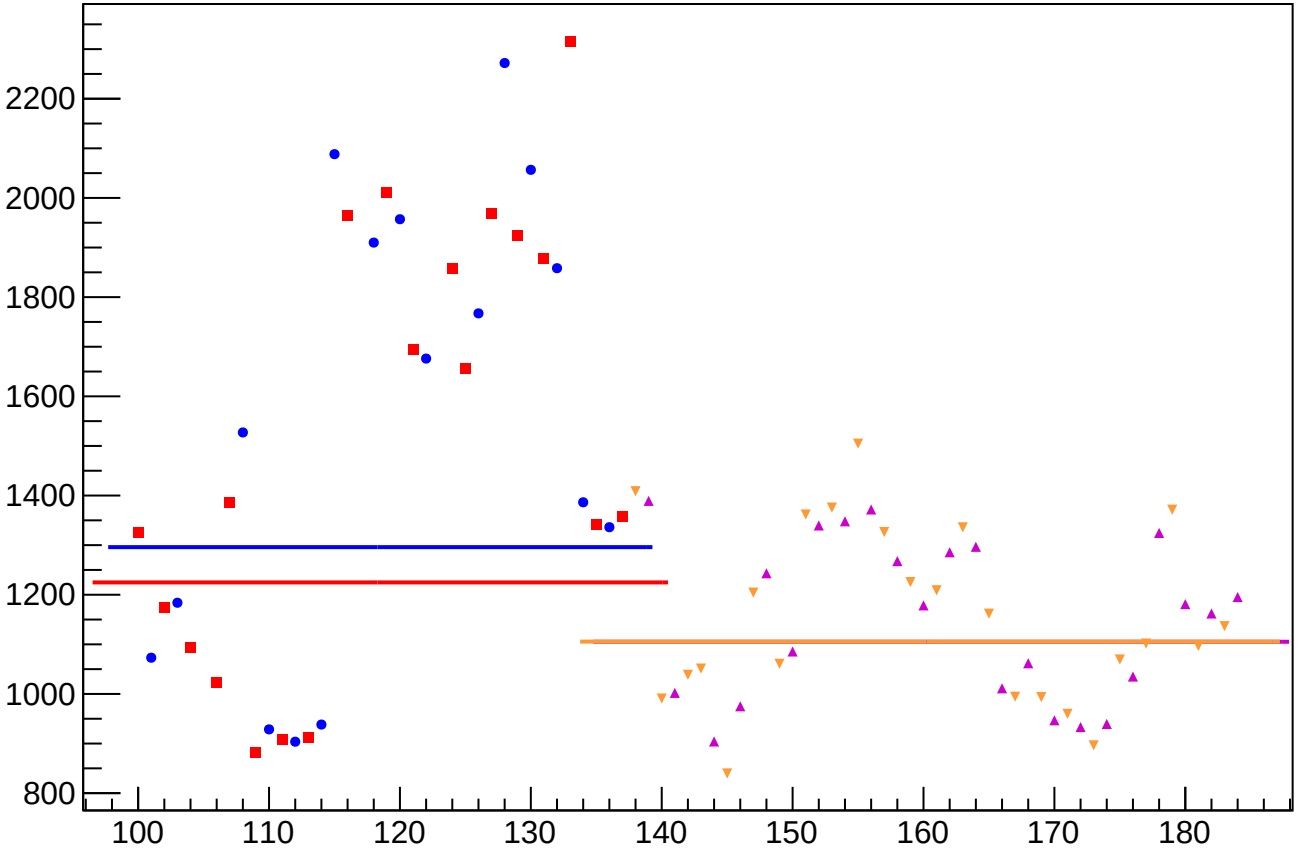
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1151.436+/-228.746 χ^2/NDF: 79.0/39

All: 744.875+/-161.726 χ^2/NDF: 123.6/81

- sign 338.532+/-228.685 χ^2/NDF: 38.3/41

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

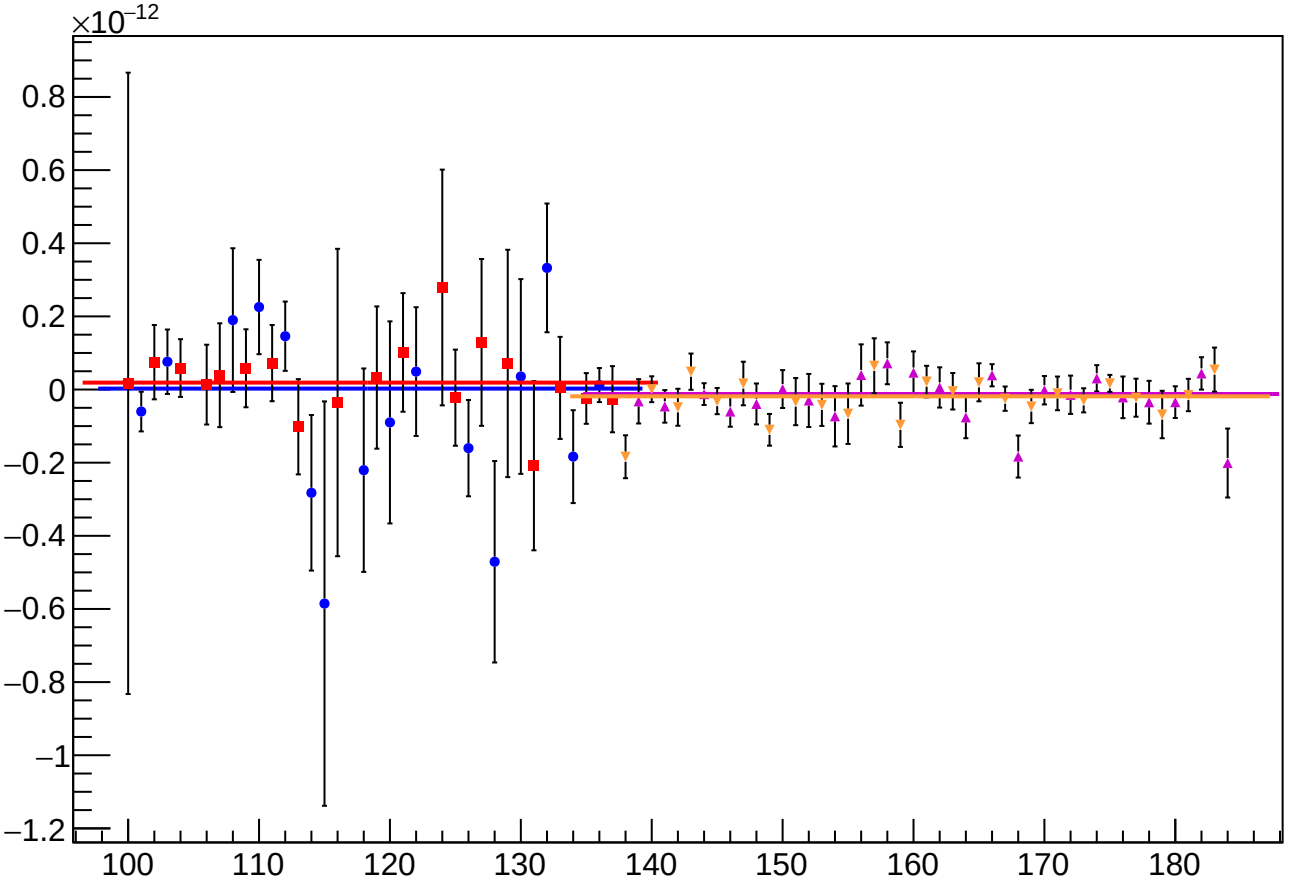
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1144.560+/-0.162 χ^2/NDF: 2247838.1/39

All: 1138.924+/-0.114 χ^2/NDF: 4443240.6/81

- sign 1133.291+/-0.162 χ^2/NDF: 2192974.8/41

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.2/23

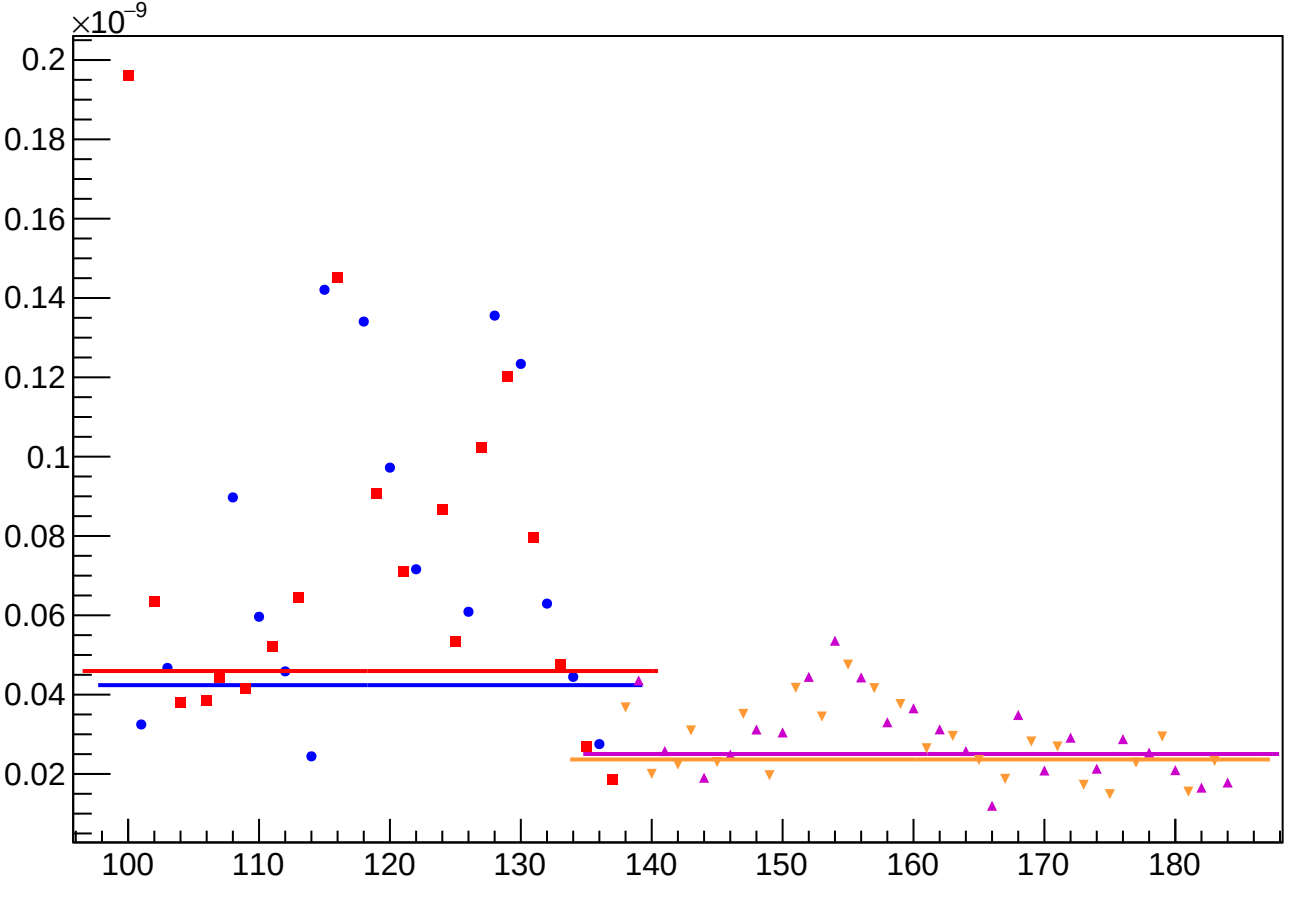
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/39

All: -0.000+/-0.000 χ^2/NDF: 81.2/81

- sign -0.000+/-0.000 χ^2/NDF: 32.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425862.9/23

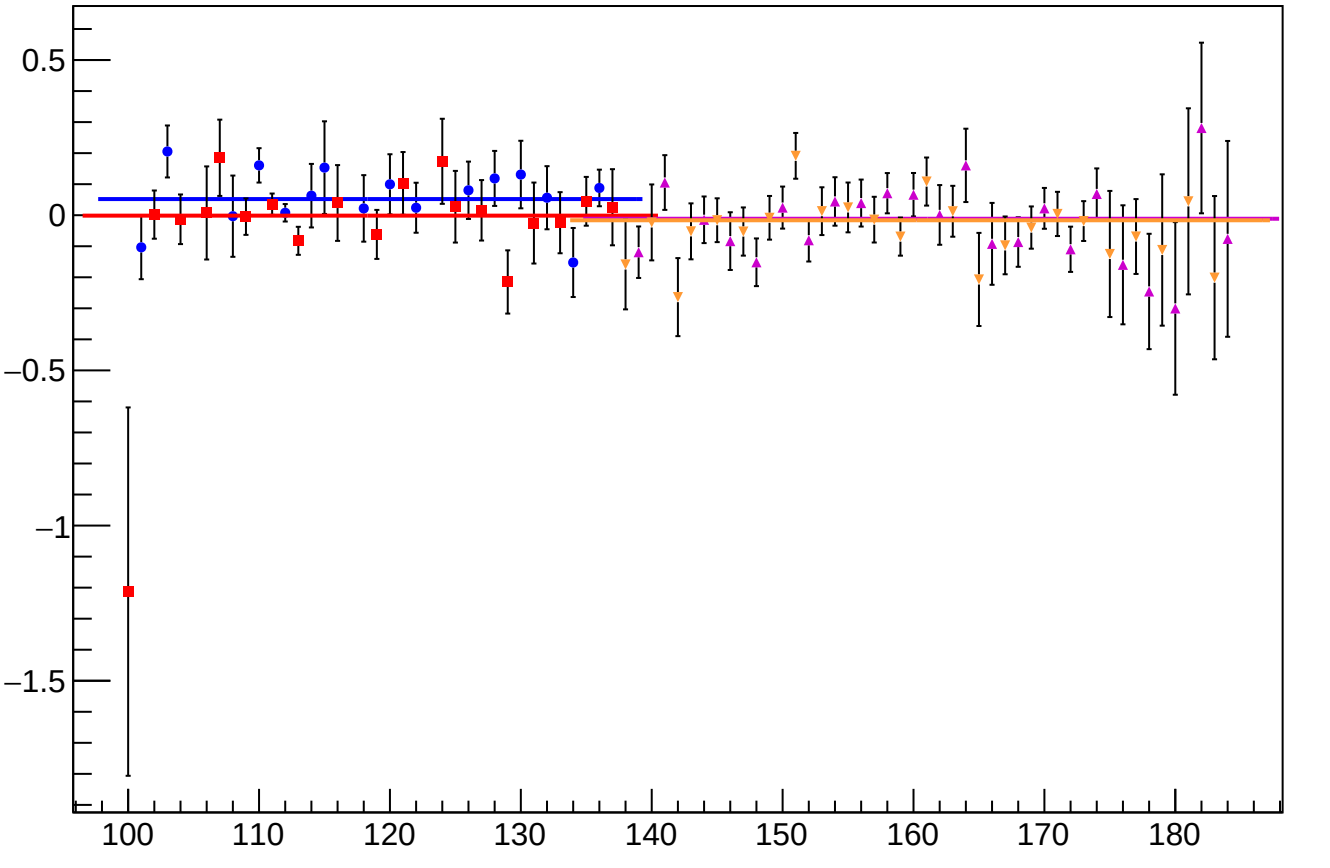
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 3641128.4/39

All: 0.000+/-0.000 χ^2/NDF: 7274199.4/81

- sign 0.000+/-0.000 χ^2/NDF: 3598129.0/41



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

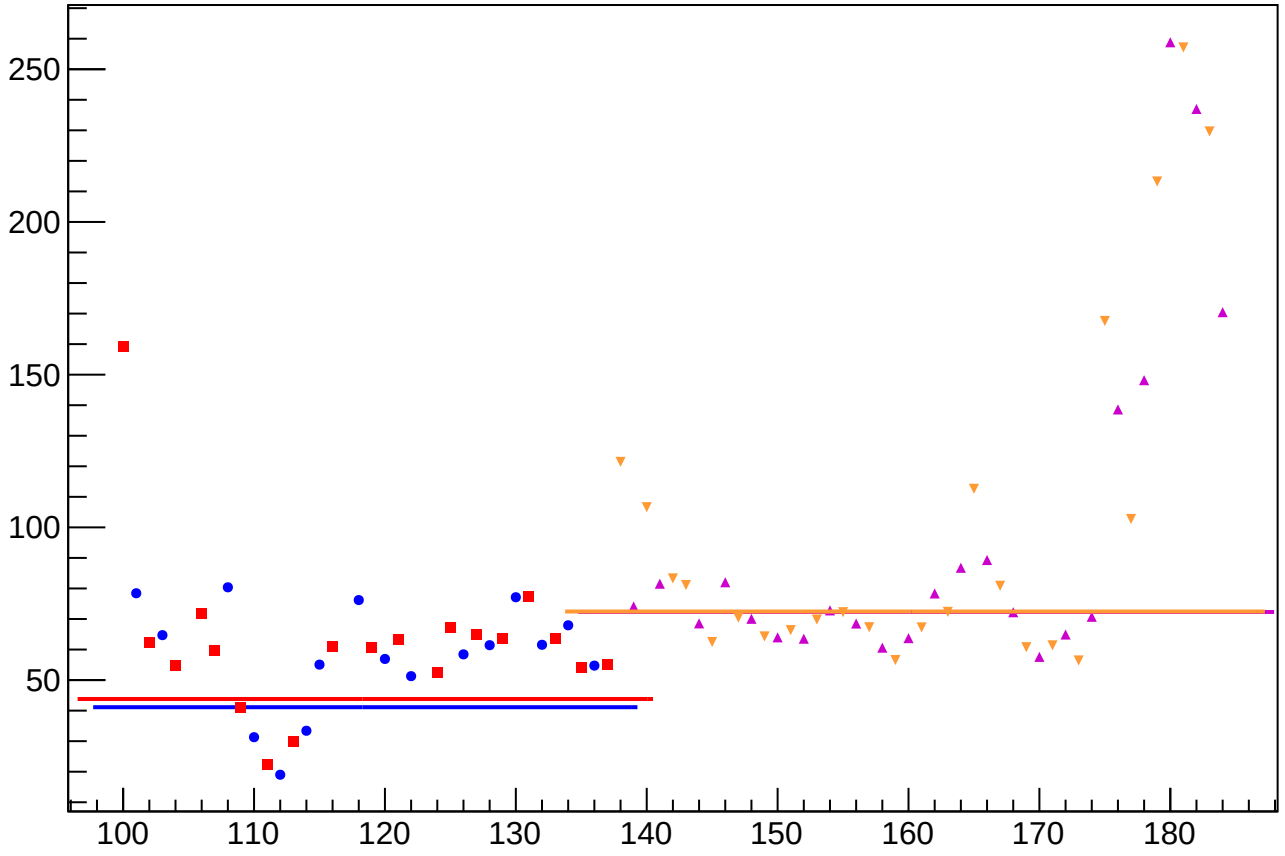
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.013 χ^2/NDF: 46.0/39

All: 0.006+/-0.009 χ^2/NDF: 90.6/81

- sign -0.006+/-0.013 χ^2/NDF: 42.7/41

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

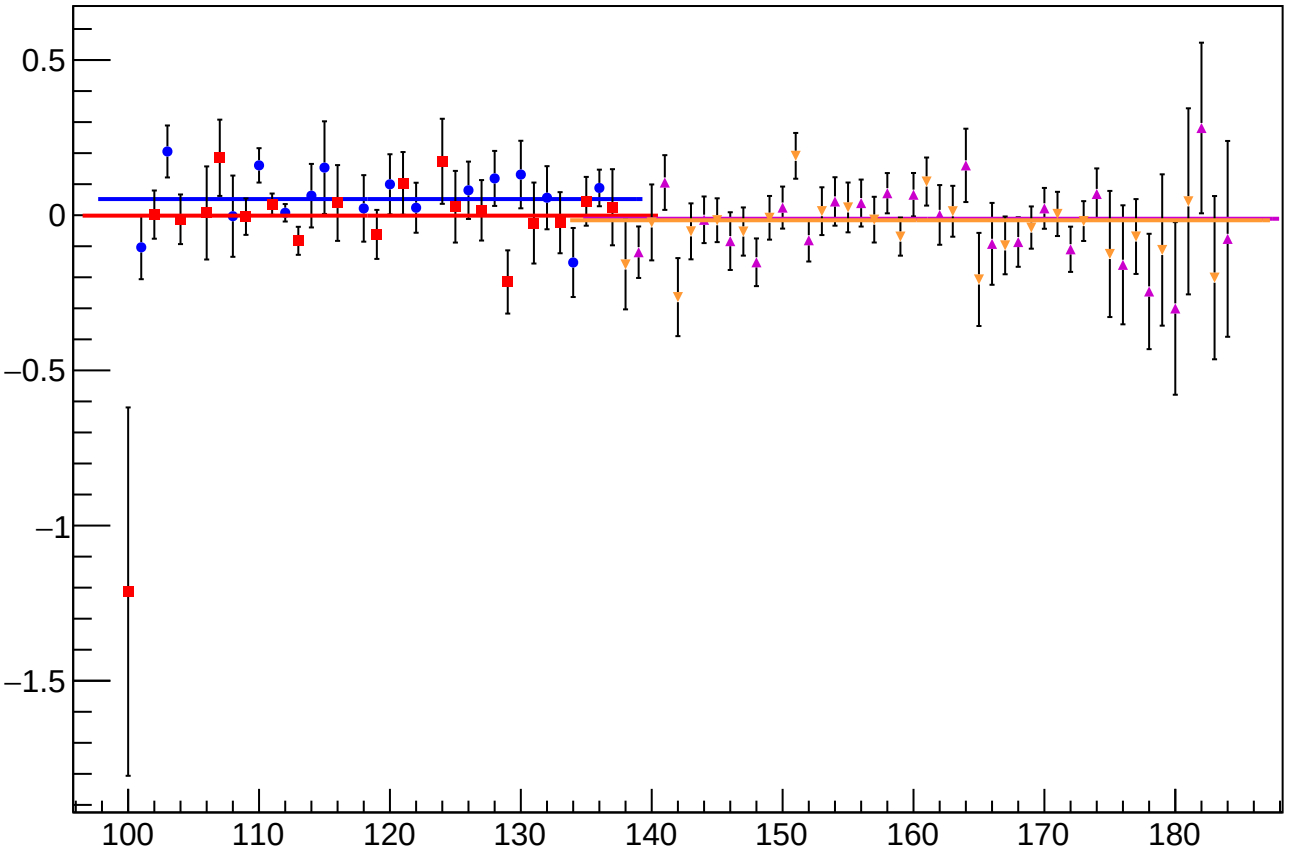
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 56.601+/-0.009 χ^2/NDF: 9748799.8/39

All: 57.193+/-0.006 χ^2/NDF: 17075110.1/81

- sign 57.798+/-0.009 χ^2/NDF: 7317454.4/41



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.8/23

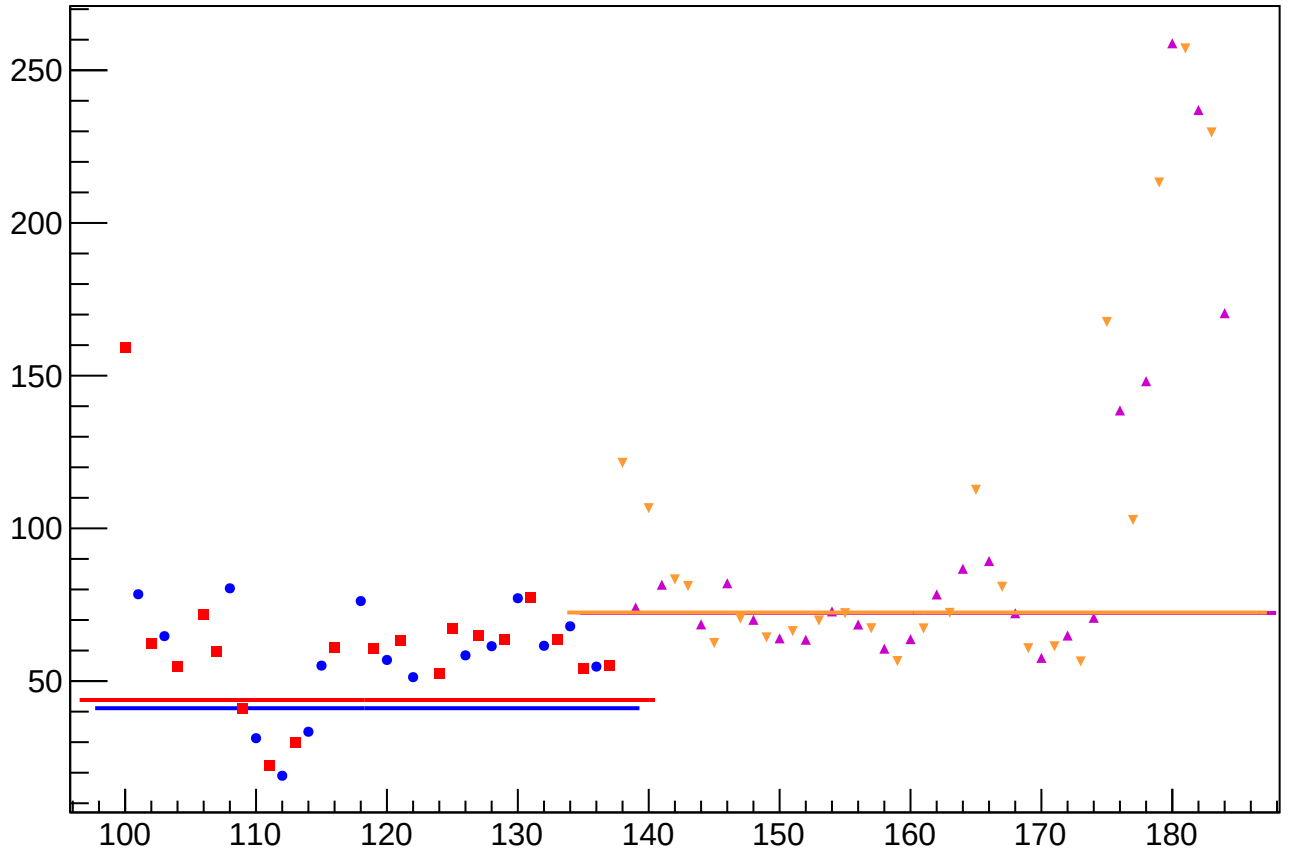
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.013 χ^2/NDF: 46.0/39

All: 0.006+/-0.009 χ^2/NDF: 90.6/81

- sign -0.006+/-0.013 χ^2/NDF: 42.7/41



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.448+/-0.013 χ^2/NDF:3752413.8/23

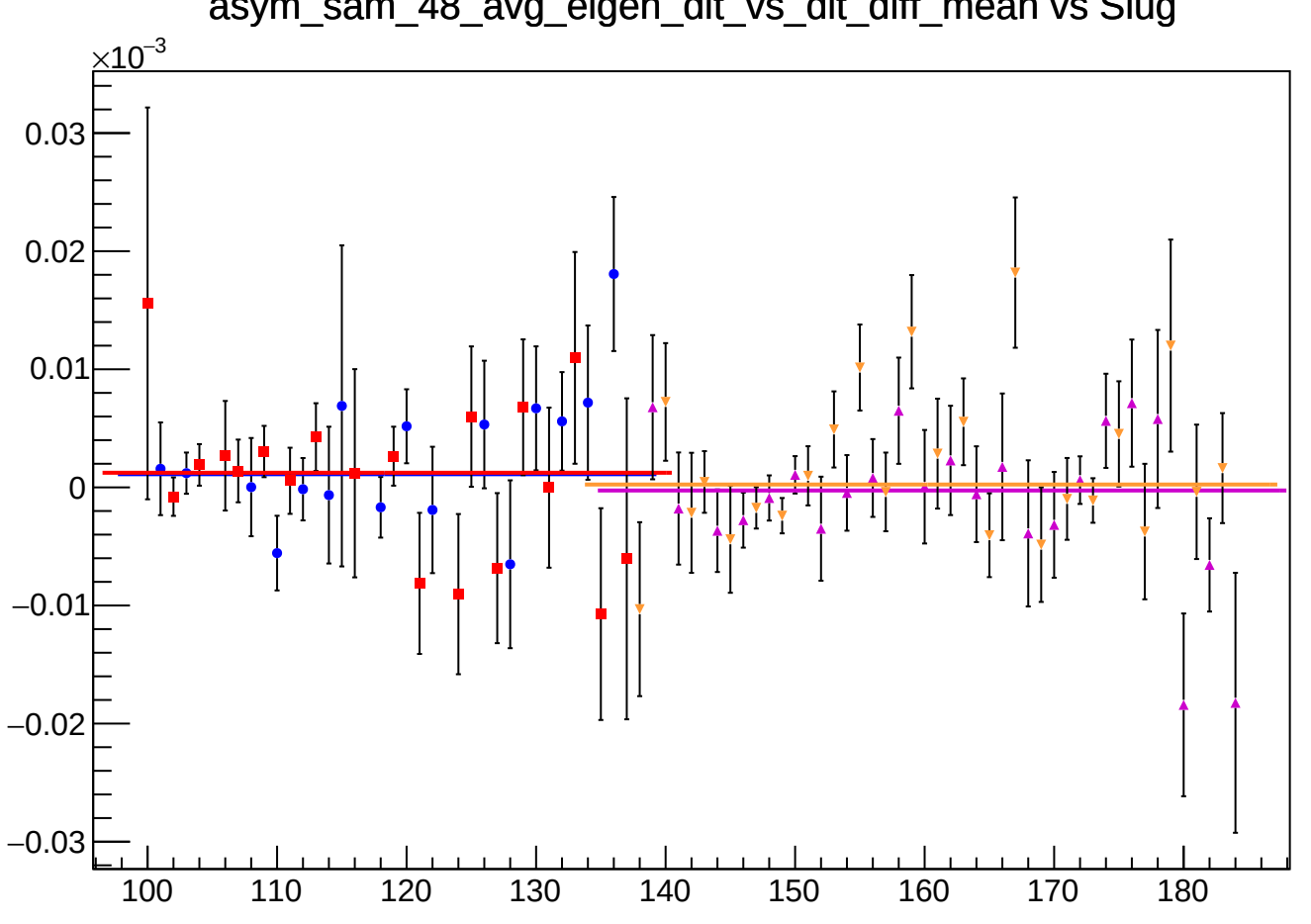
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 56.601+/-0.009 χ^2/NDF: 9748799.8/39

All: 57.193+/-0.006 χ^2/NDF: 17075110.1/81

- sign 57.798+/-0.009 χ^2/NDF: 7317454.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/23

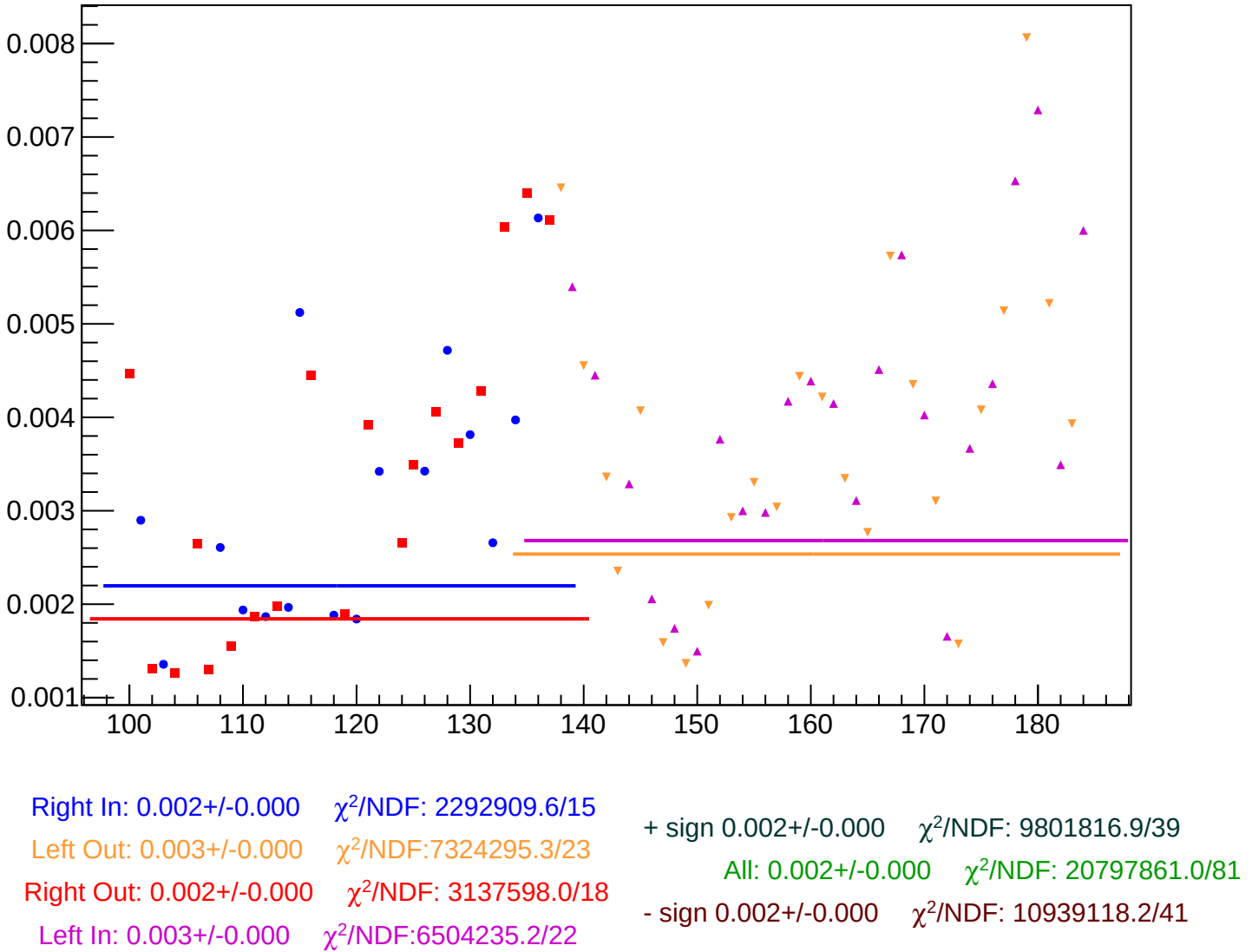
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

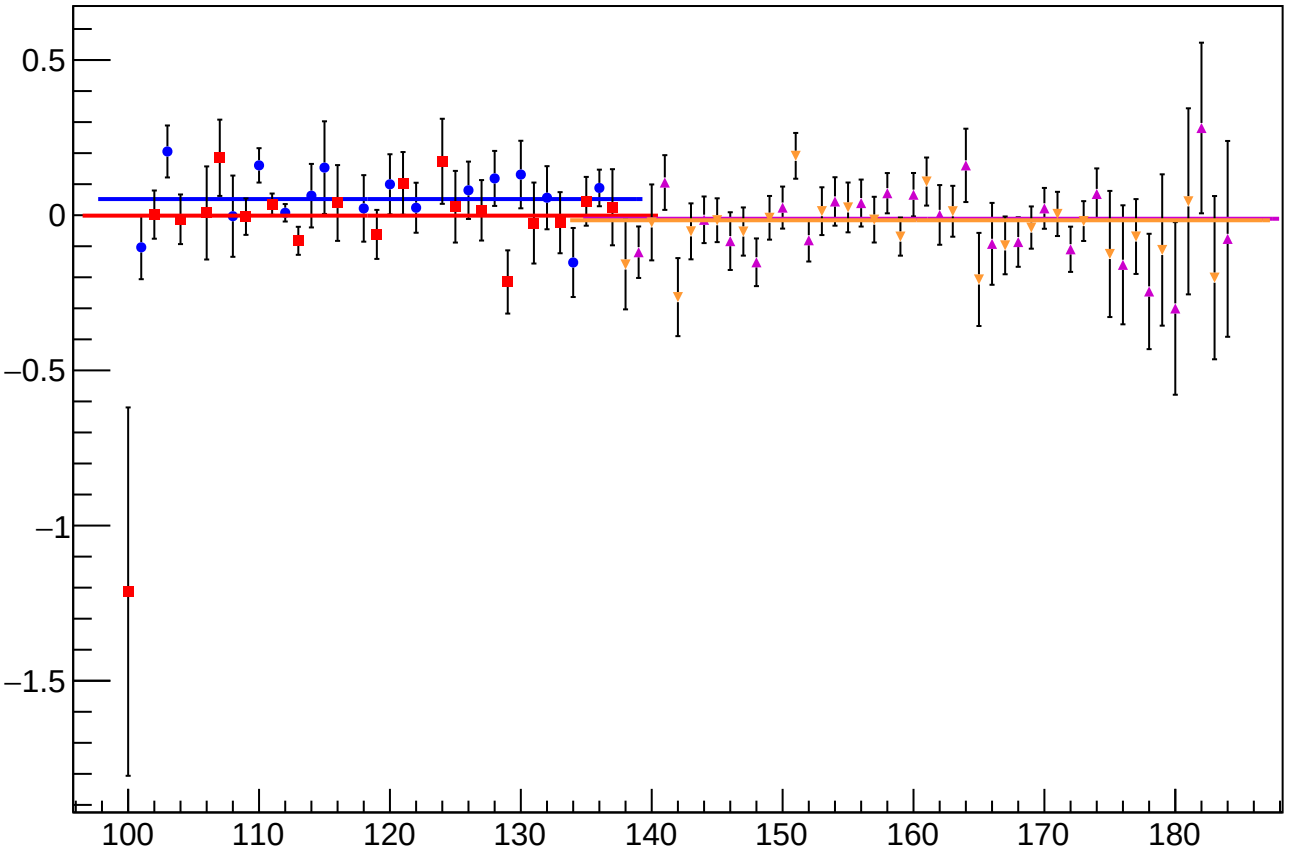
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/39

All: 0.000+/-0.000 χ^2/NDF: 106.0/81

- sign 0.000+/-0.000 χ^2/NDF: 42.1/41


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:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 9801816.9/39
All: 0.002+/-0.000 χ²/NDF: 20797861.0/81
- sign 0.002+/-0.000 χ²/NDF: 10939118.2/41



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

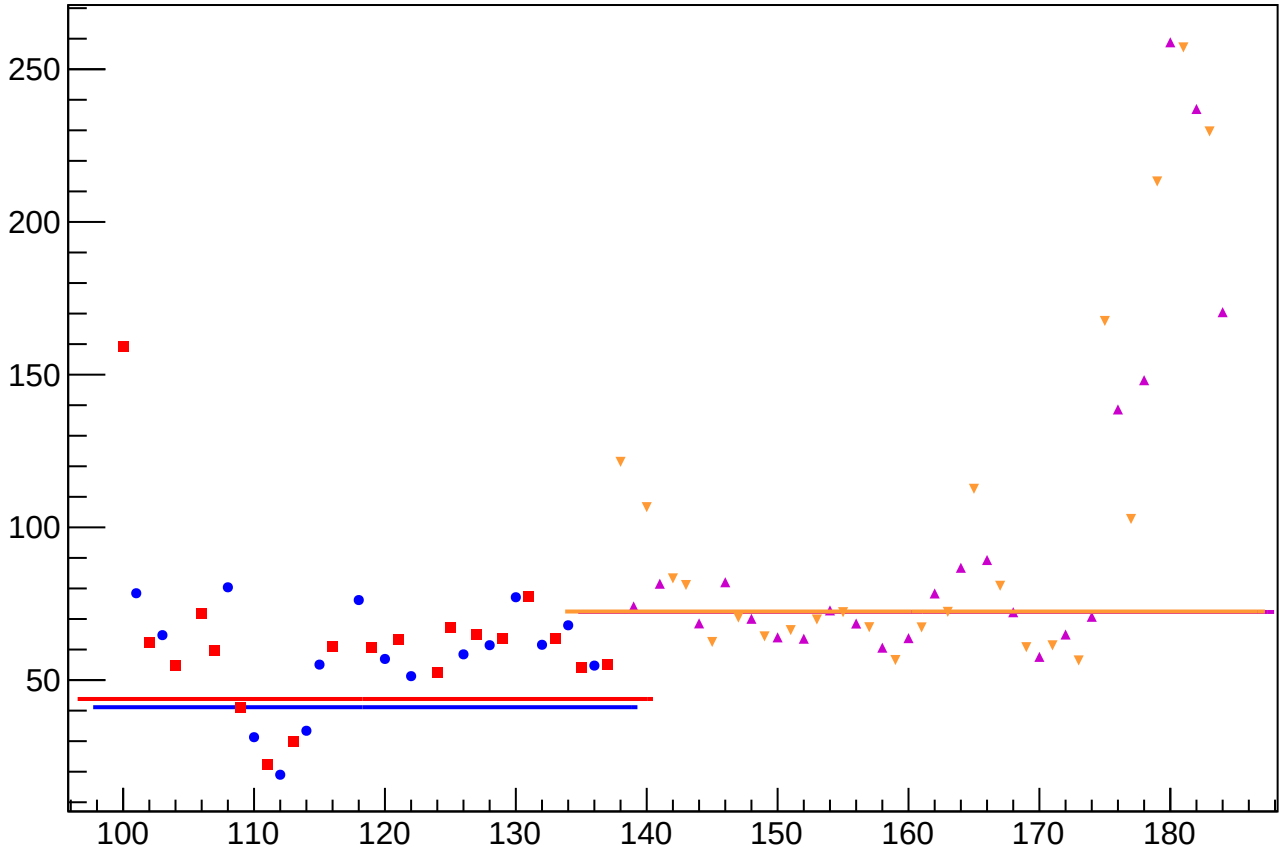
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.013 χ^2/NDF: 46.0/39

All: 0.006+/-0.009 χ^2/NDF: 90.6/81

- sign -0.006+/-0.013 χ^2/NDF: 42.7/41

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

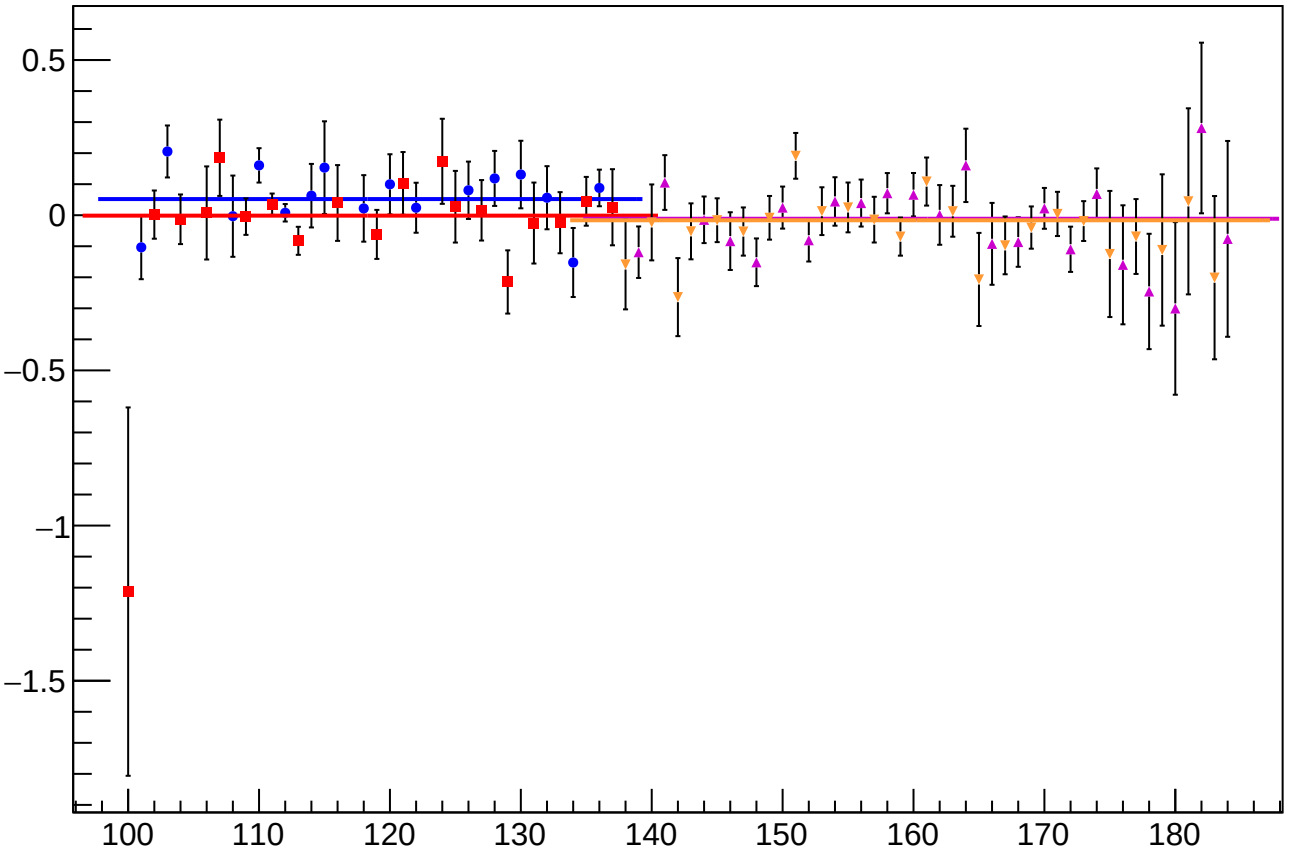
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.601+/-0.009 χ^2/NDF: 9749231.5/39

All: 57.192+/-0.006 χ^2/NDF: 17075925.3/81

- sign 57.798+/-0.009 χ^2/NDF: 7317837.1/41



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.8/23

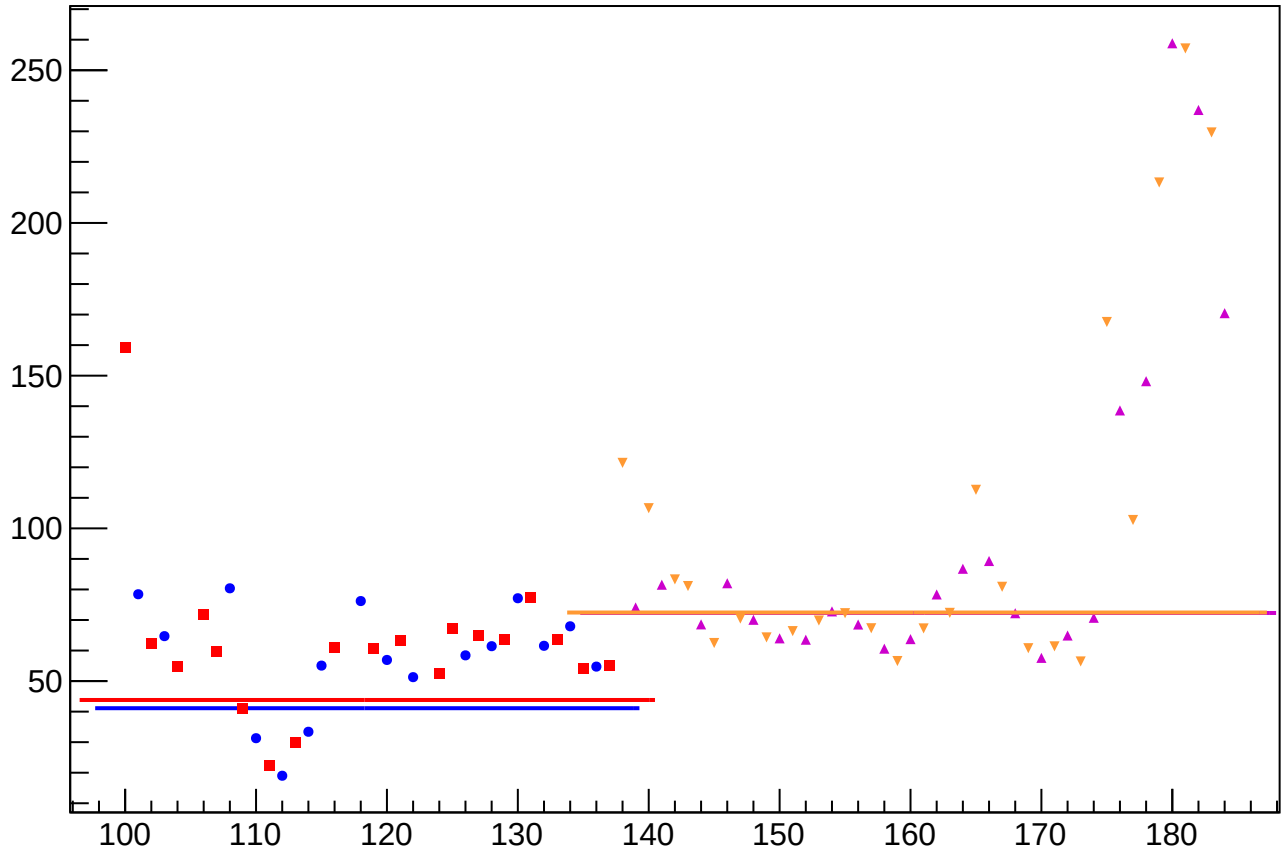
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.013 χ^2/NDF: 46.0/39

All: 0.006+/-0.009 χ^2/NDF: 90.6/81

- sign -0.006+/-0.013 χ^2/NDF: 42.7/41



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.449+/-0.013 χ^2/NDF:3752360.8/23

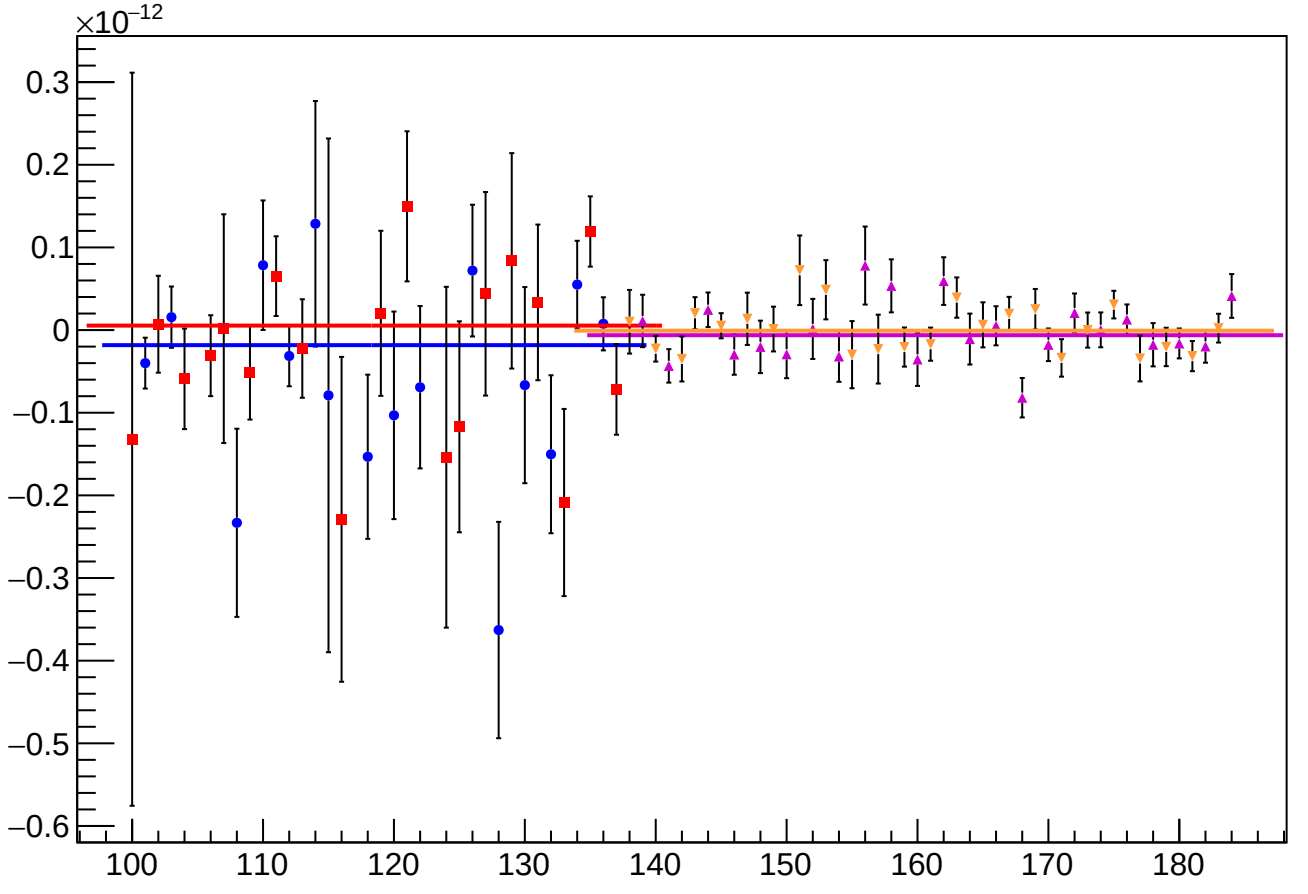
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.601+/-0.009 χ^2/NDF: 9749231.5/39

All: 57.192+/-0.006 χ^2/NDF: 17075925.3/81

- sign 57.798+/-0.009 χ^2/NDF: 7317837.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/23

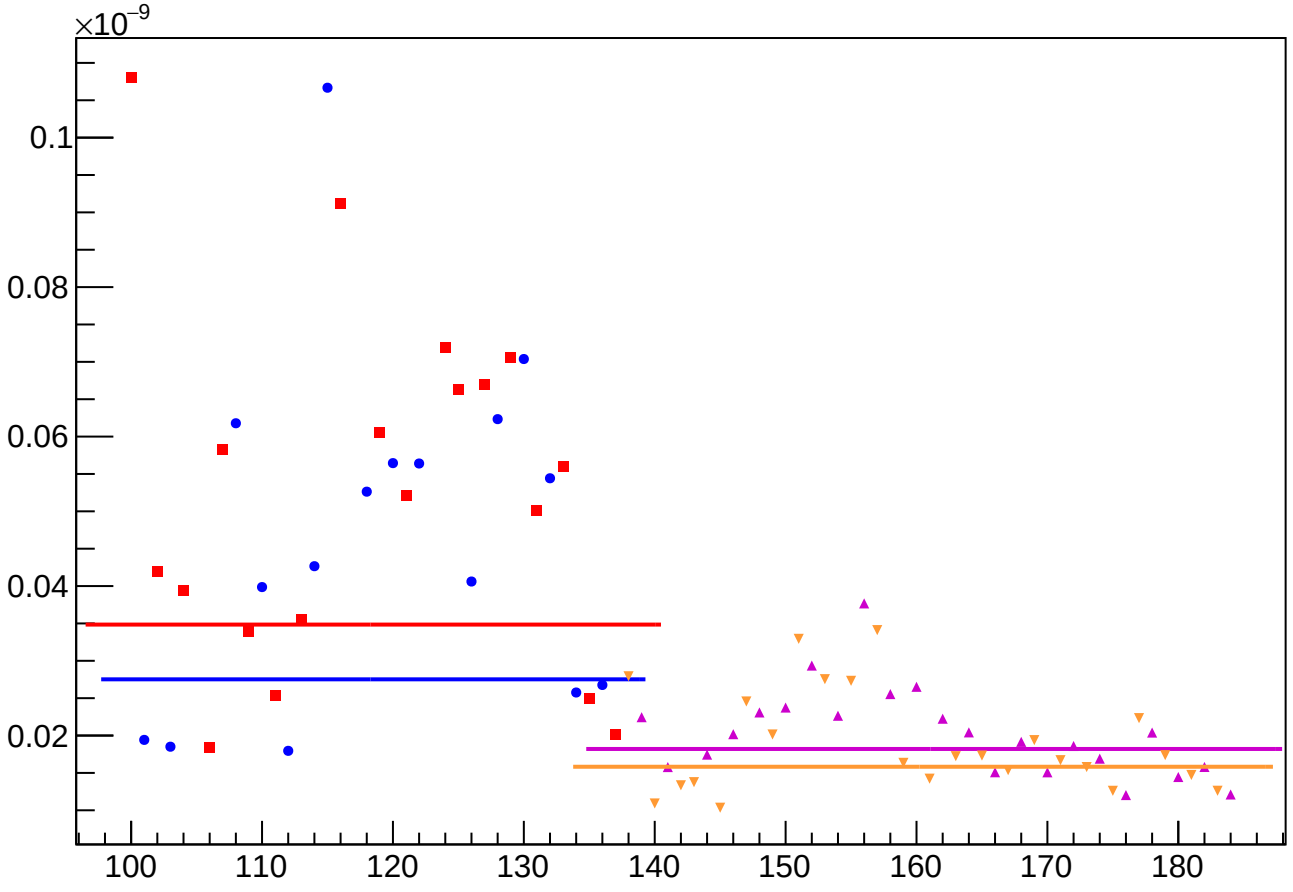
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.2/39

All: -0.000+/-0.000 χ^2/NDF: 114.4/81

- sign -0.000+/-0.000 χ^2/NDF: 62.0/41



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

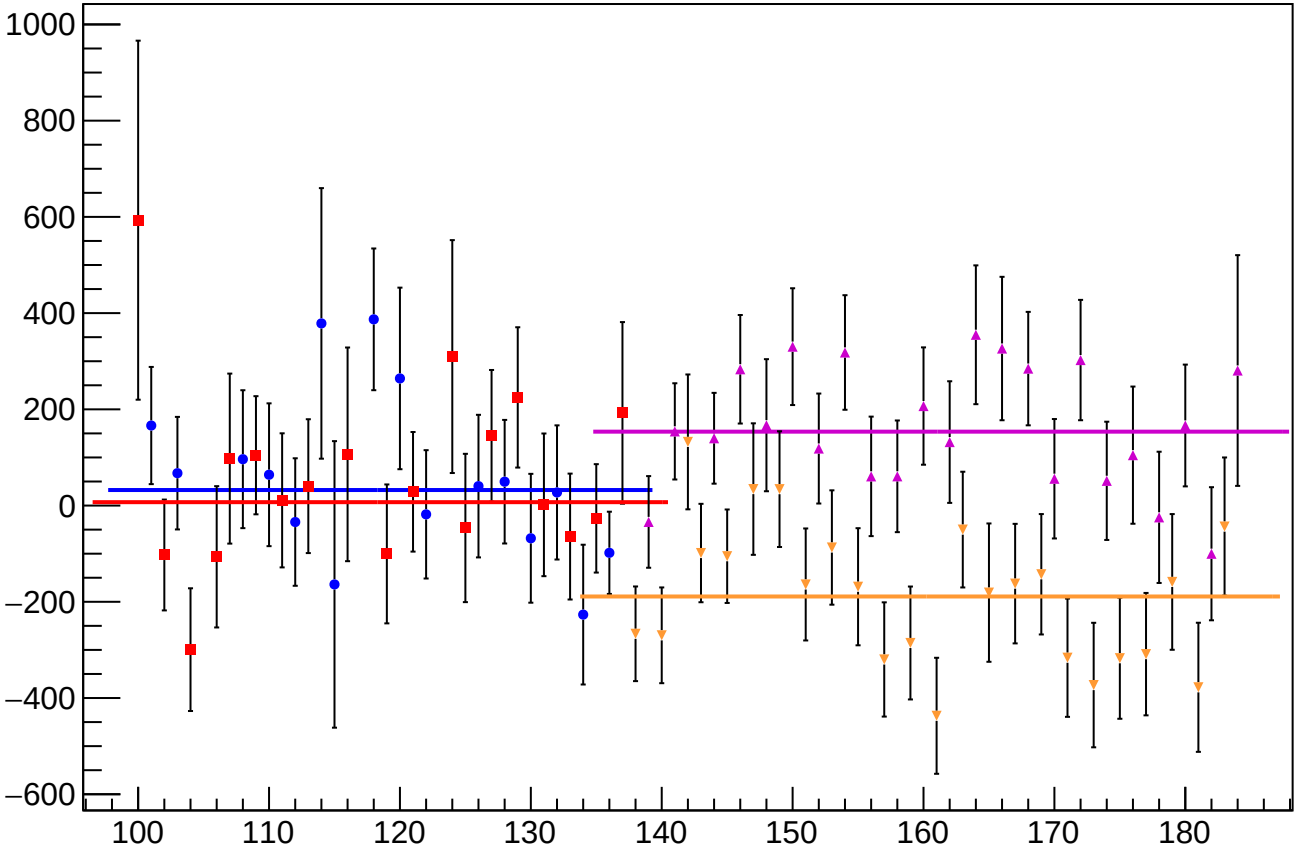
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5322324.2/39

All: 0.000+/-0.000 χ^2/NDF: 10776870.6/81

- sign 0.000+/-0.000 χ^2/NDF: 5113555.4/41

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

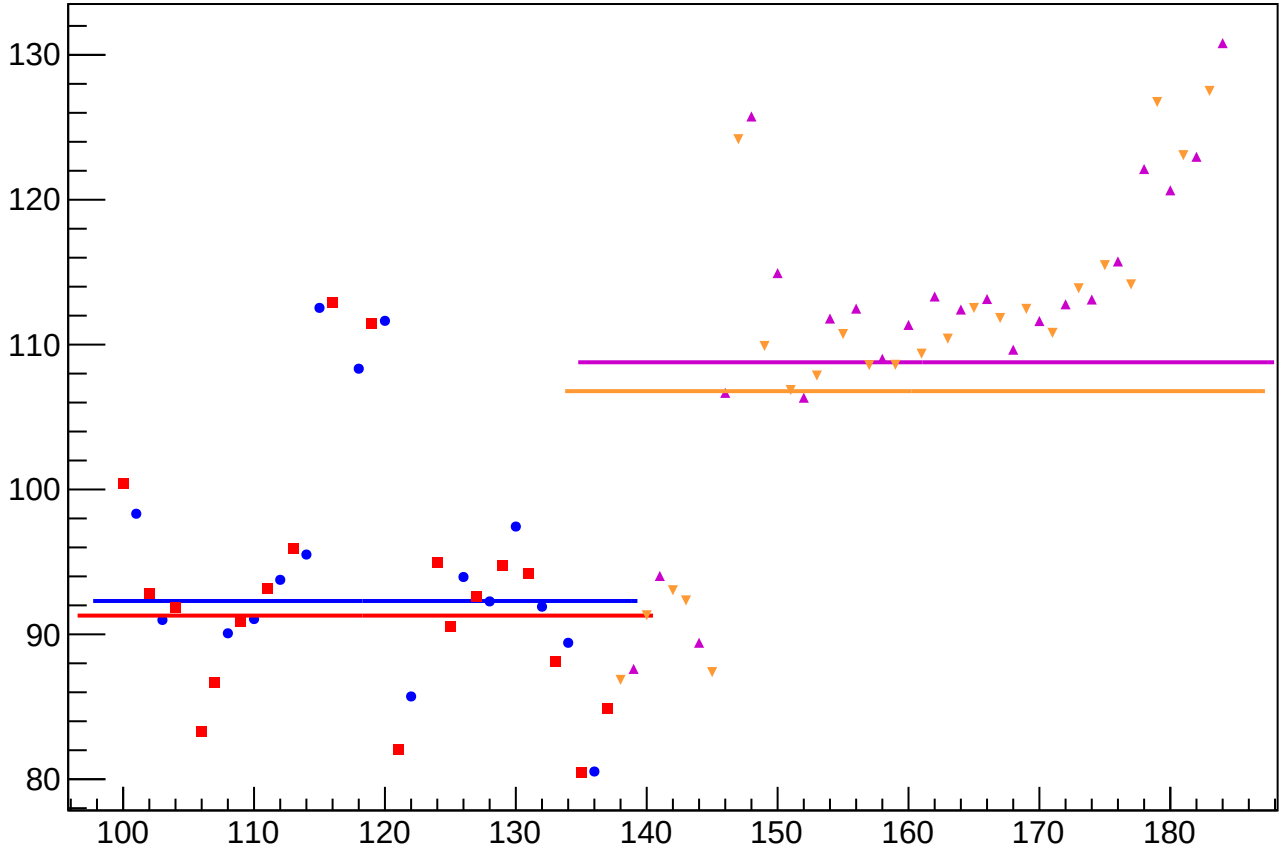
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -114.271+/-20.004 χ^2/NDF: 75.4/39

All: -8.864+/-14.246 χ^2/NDF: 185.1/81

- sign 99.597+/-20.292 χ^2/NDF: 53.4/41

reg_asym_sam_15_dd_rms vs Slug



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

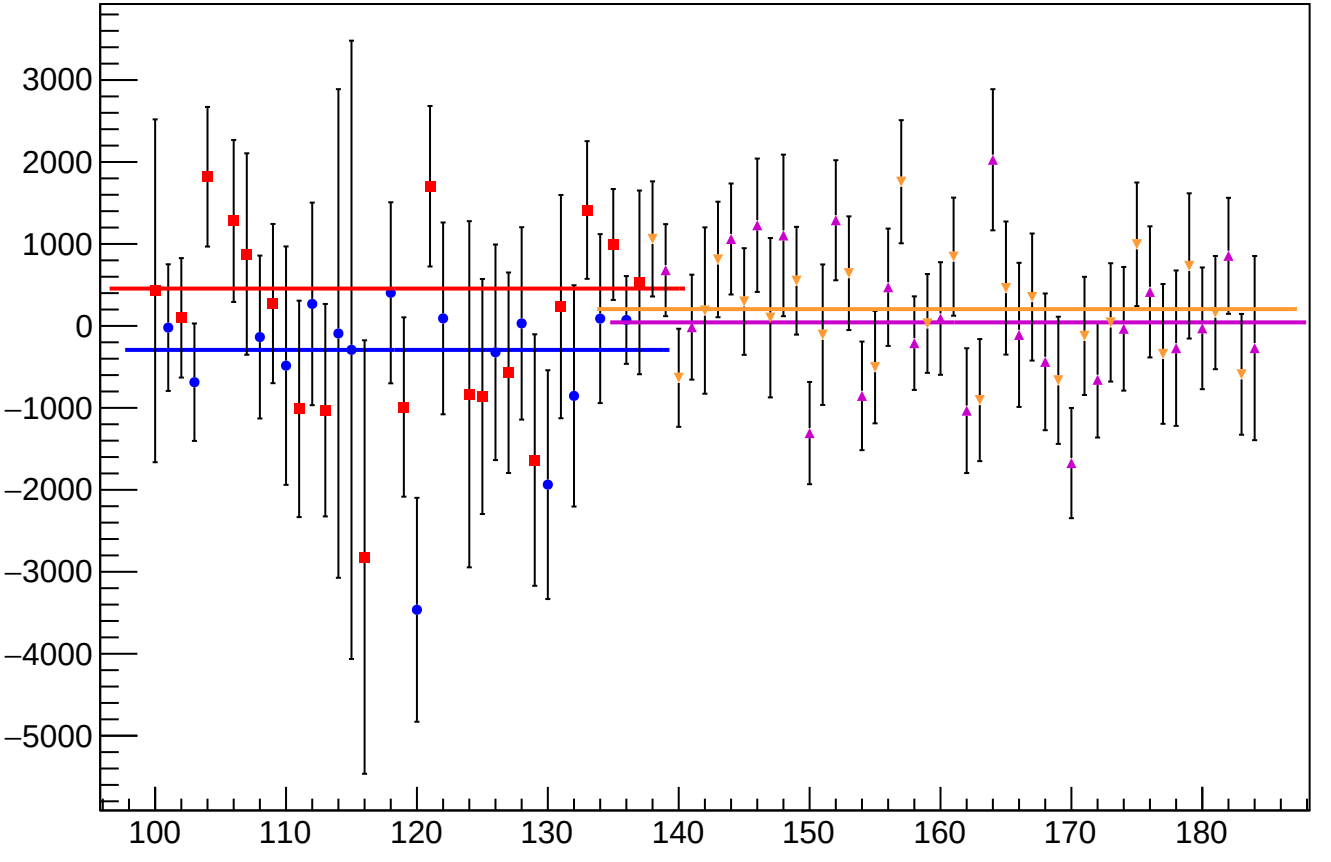
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 101.897+/-0.014 χ^2/NDF: 796782.7/39

All: 102.112+/-0.010 χ^2/NDF: 1606494.1/81

- sign 102.334+/-0.014 χ^2/NDF: 809241.4/41

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

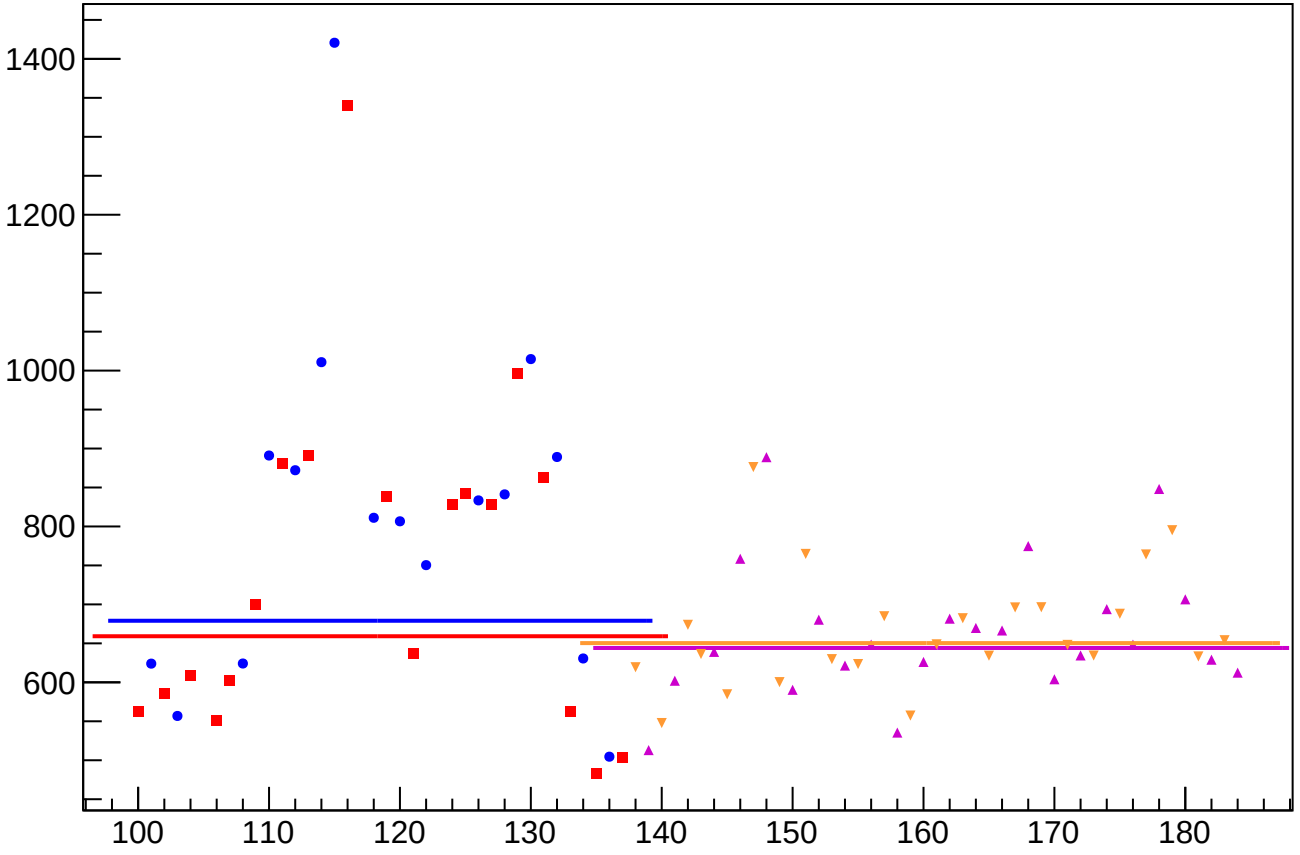
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

\+ sign 80.367+/-129.950 χ^2/NDF: 29.7/39

All: 117.999+/-91.812 χ^2/NDF: 82.5/81

\- sign 155.504+/-129.734 χ^2/NDF: 52.6/41

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

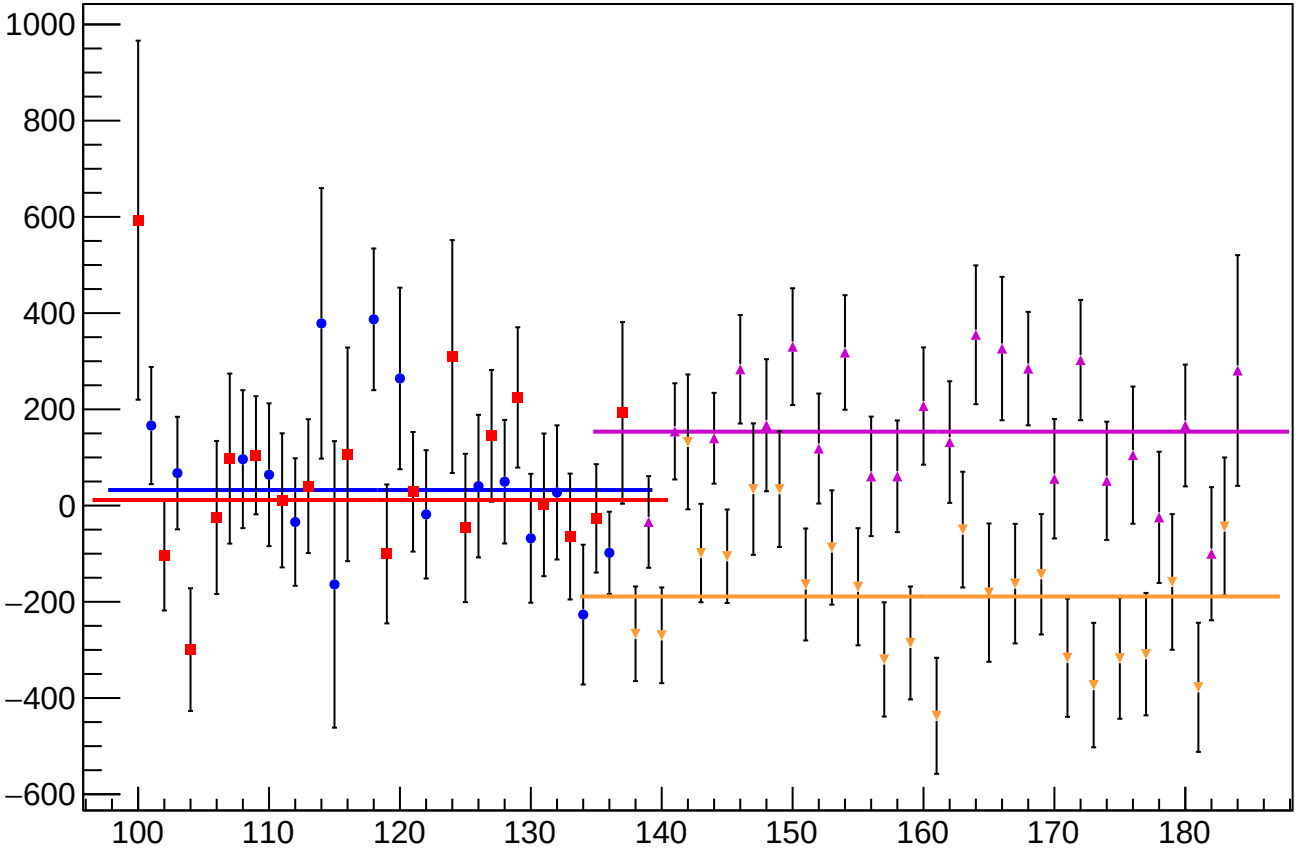
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 657.515+/-0.092 χ^2/NDF: 1197696.3/39

All: 652.835+/-0.065 χ^2/NDF: 2563212.4/81

- sign 648.170+/-0.092 χ^2/NDF: 1360336.1/41

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

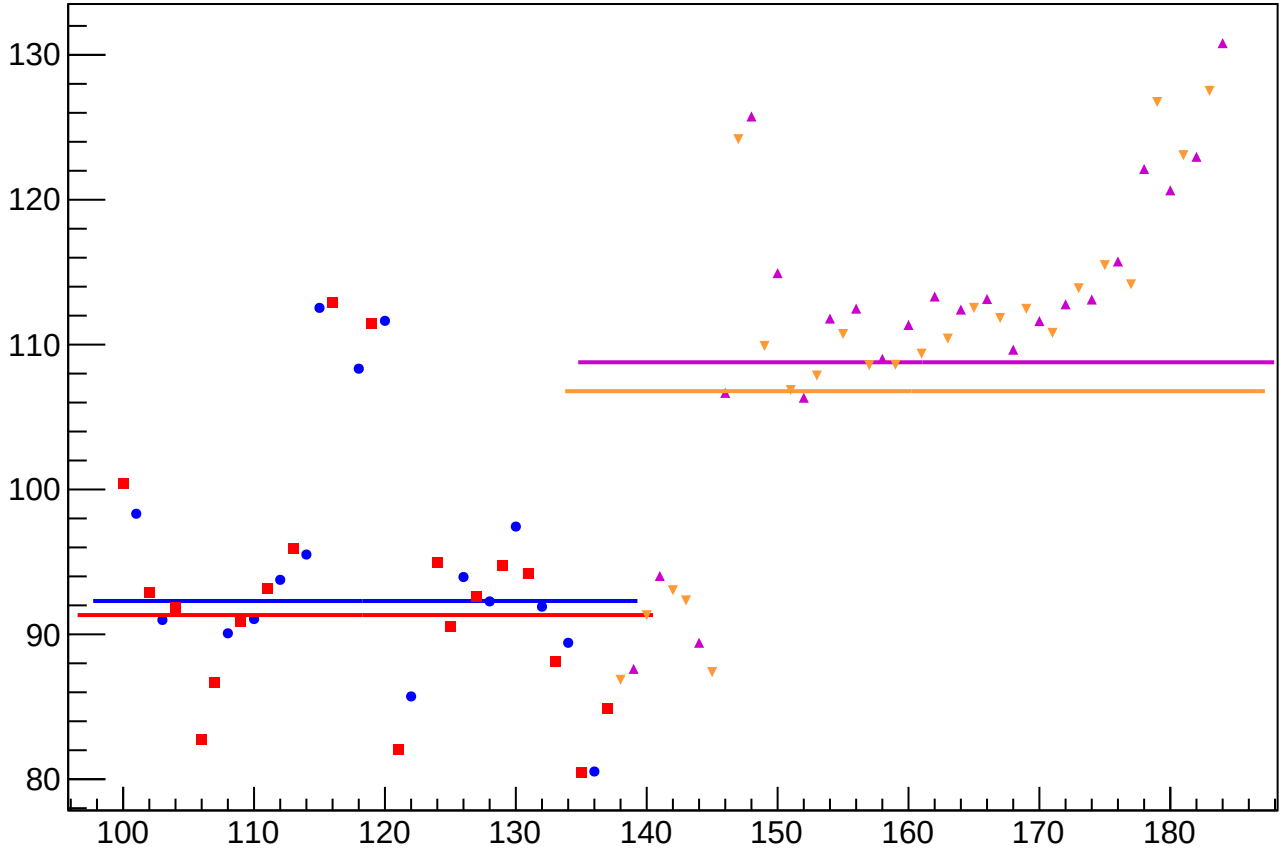
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -114.266+/-20.004 χ^2/NDF: 75.4/39

All: -8.068+/-14.255 χ^2/NDF: 184.7/81

- sign 101.515+/-20.320 χ^2/NDF: 52.1/41

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.787+/-0.017 χ^2/NDF:455230.1/23

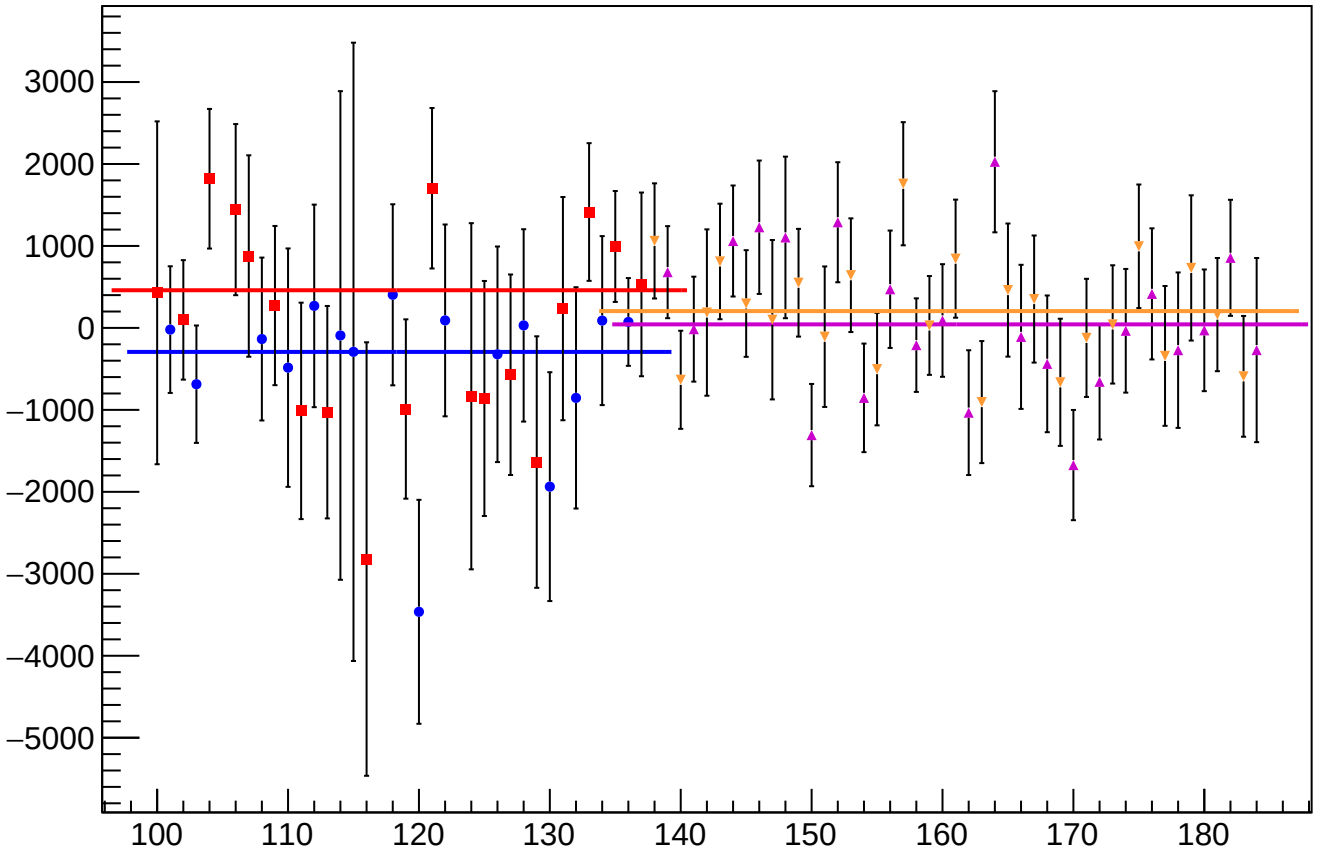
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 101.897+/-0.014 χ^2/NDF: 796782.6/39

All: 102.134+/-0.010 χ^2/NDF: 1603235.7/81

- sign 102.379+/-0.014 χ^2/NDF: 805881.3/41



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

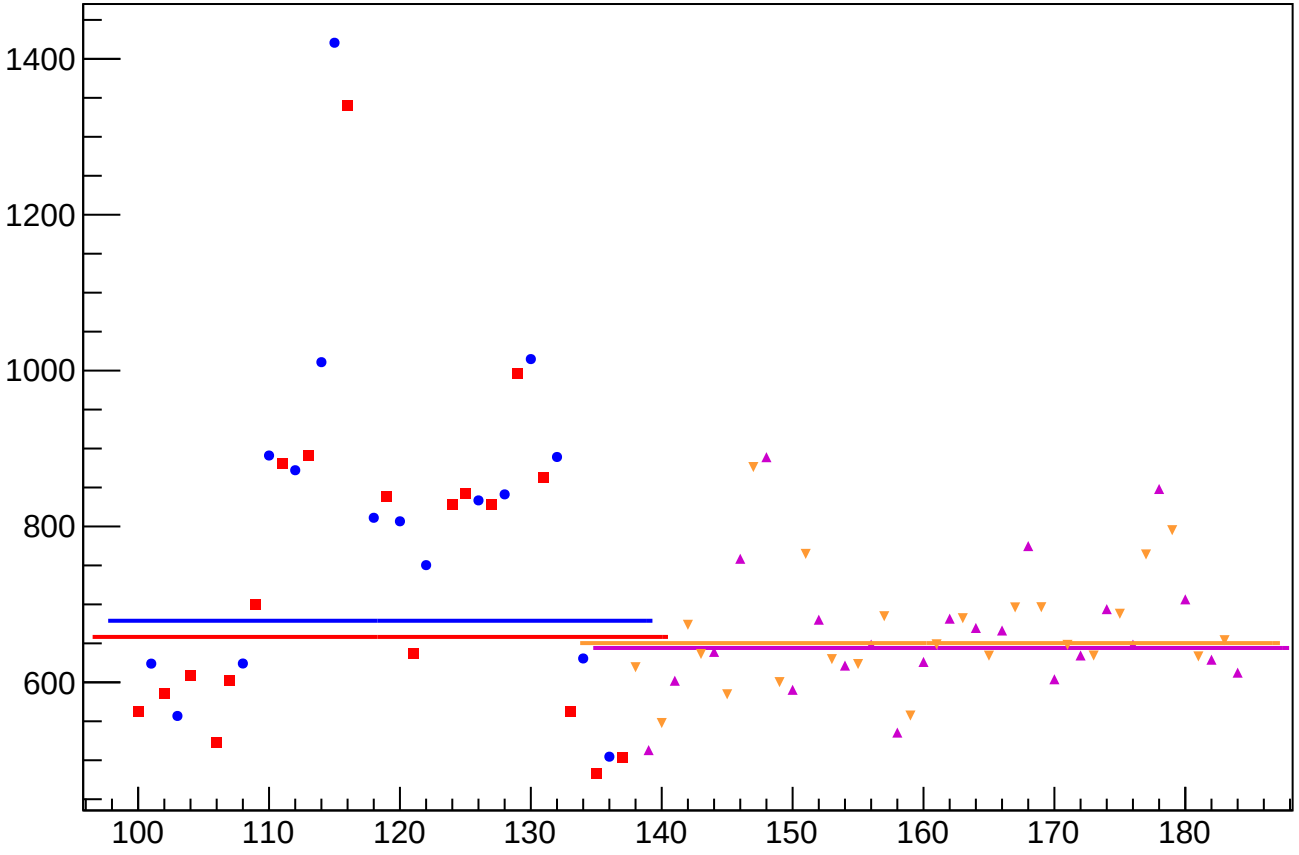
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

\+ sign 80.364+/-129.950 χ^2/NDF: 29.7/39

All: 118.203+/-91.854 χ^2/NDF: 82.7/81

\- sign 155.984+/-129.851 χ^2/NDF: 52.8/41

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

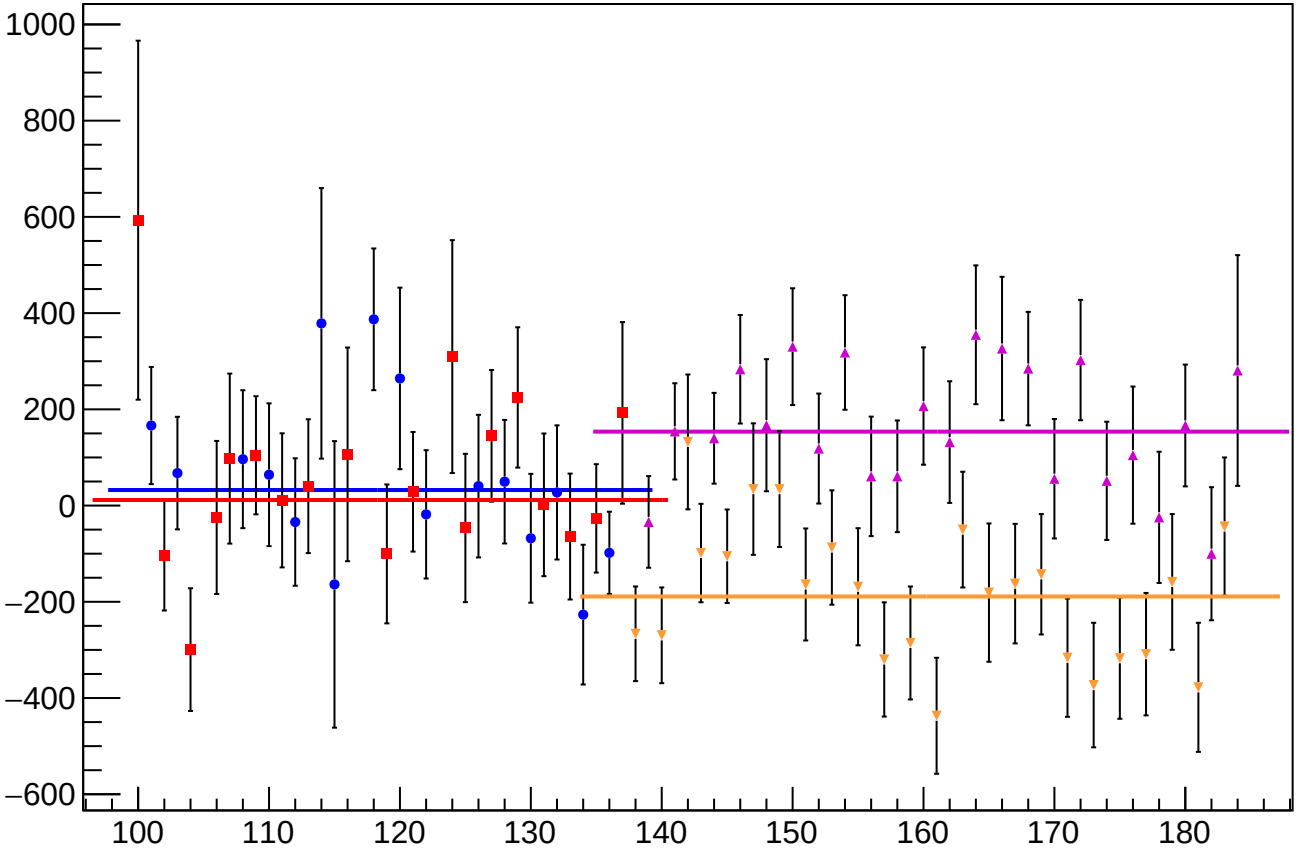
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 657.515+/-0.092 χ^2/NDF: 1197698.7/39

All: 652.711+/-0.065 χ^2/NDF: 2572895.9/81

- sign 647.914+/-0.092 χ^2/NDF: 1369734.8/41

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

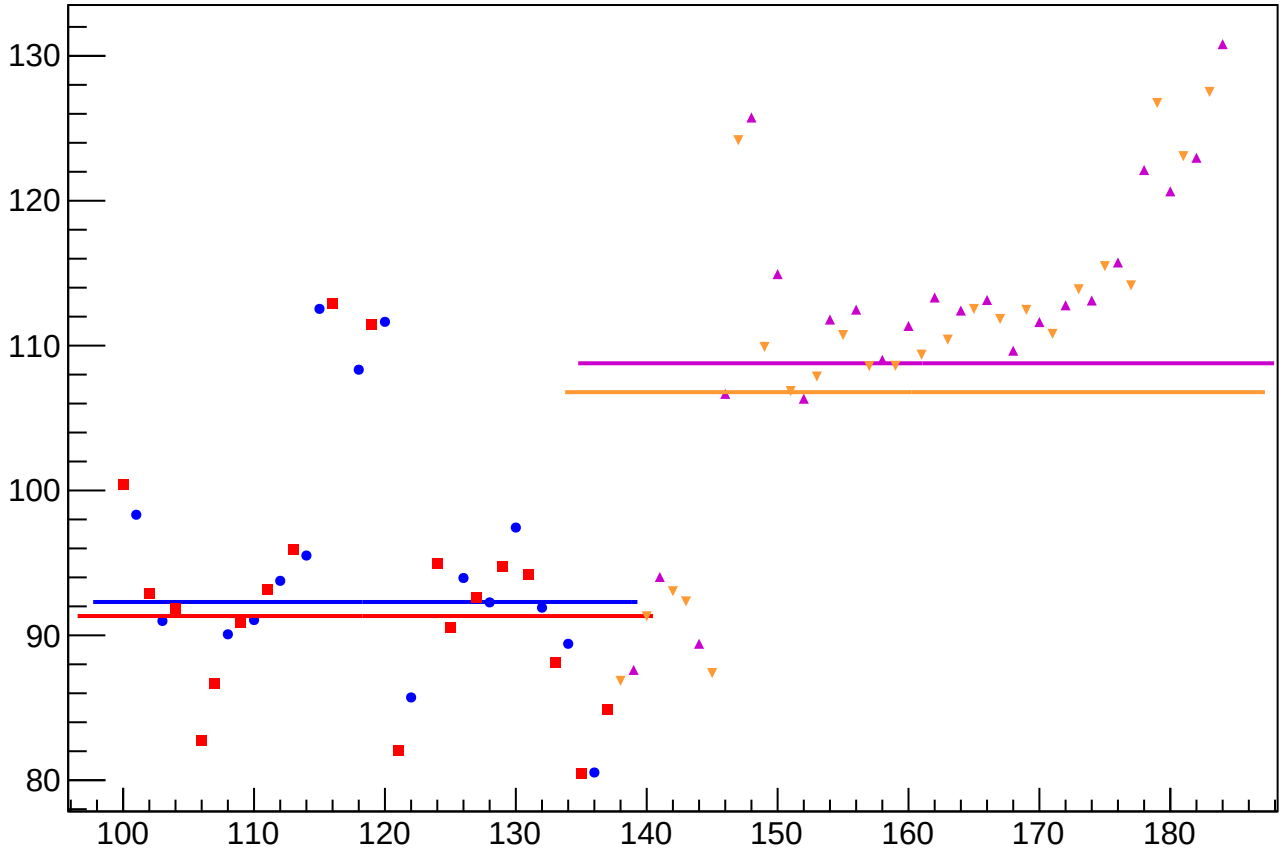
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -114.266+/-20.004 χ^2/NDF: 75.4/39

All: -8.068+/-14.255 χ^2/NDF: 184.7/81

- sign 101.515+/-20.320 χ^2/NDF: 52.1/41

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 106.787+/-0.017 χ^2/NDF:455230.1/23

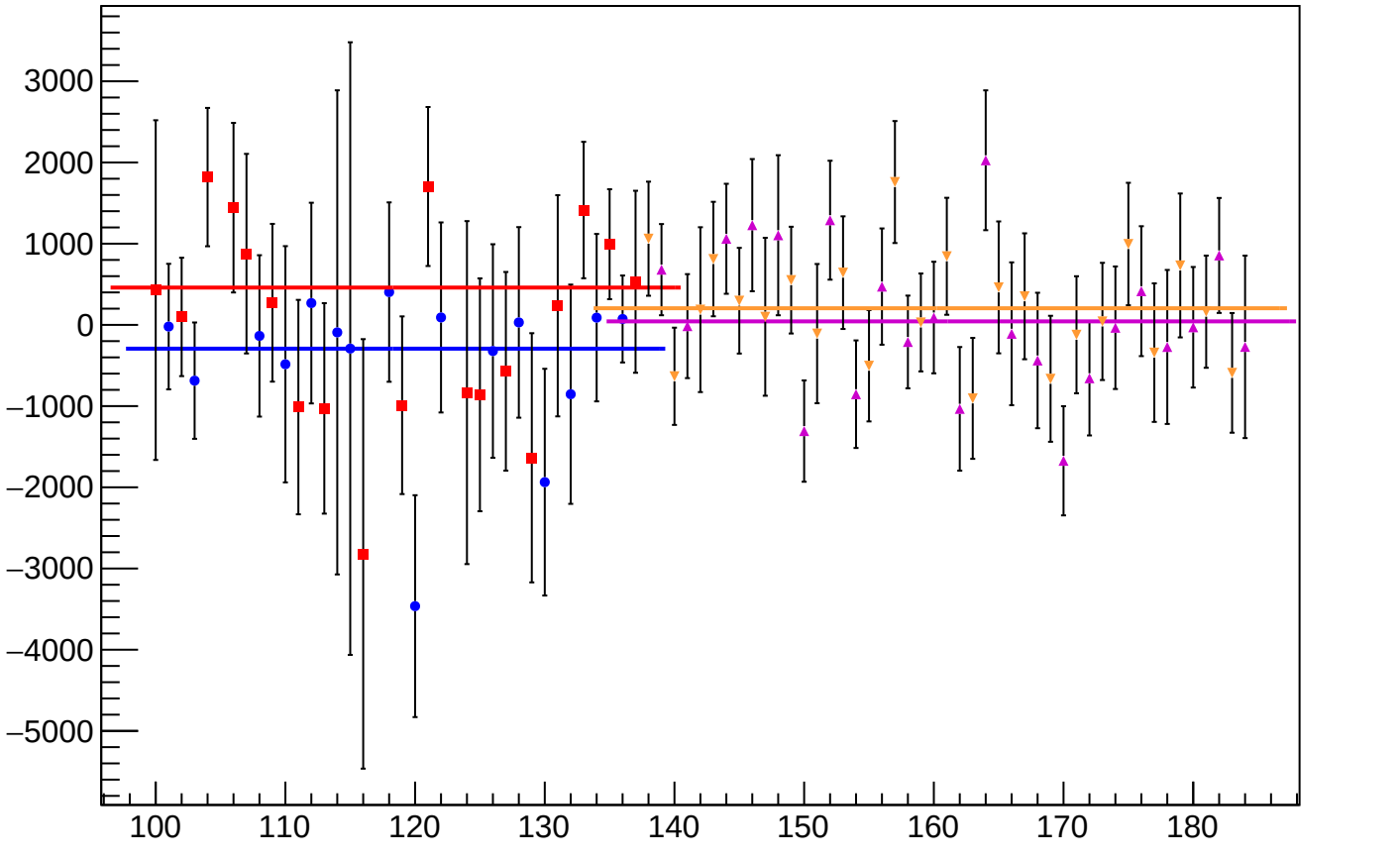
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 101.897+/-0.014 χ^2/NDF: 796782.6/39

All: 102.134+/-0.010 χ^2/NDF: 1603235.7/81

\- sign 102.379+/-0.014 χ^2/NDF: 805881.3/41



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 205.004+/-150.094 χ^2/NDF:18.2/23

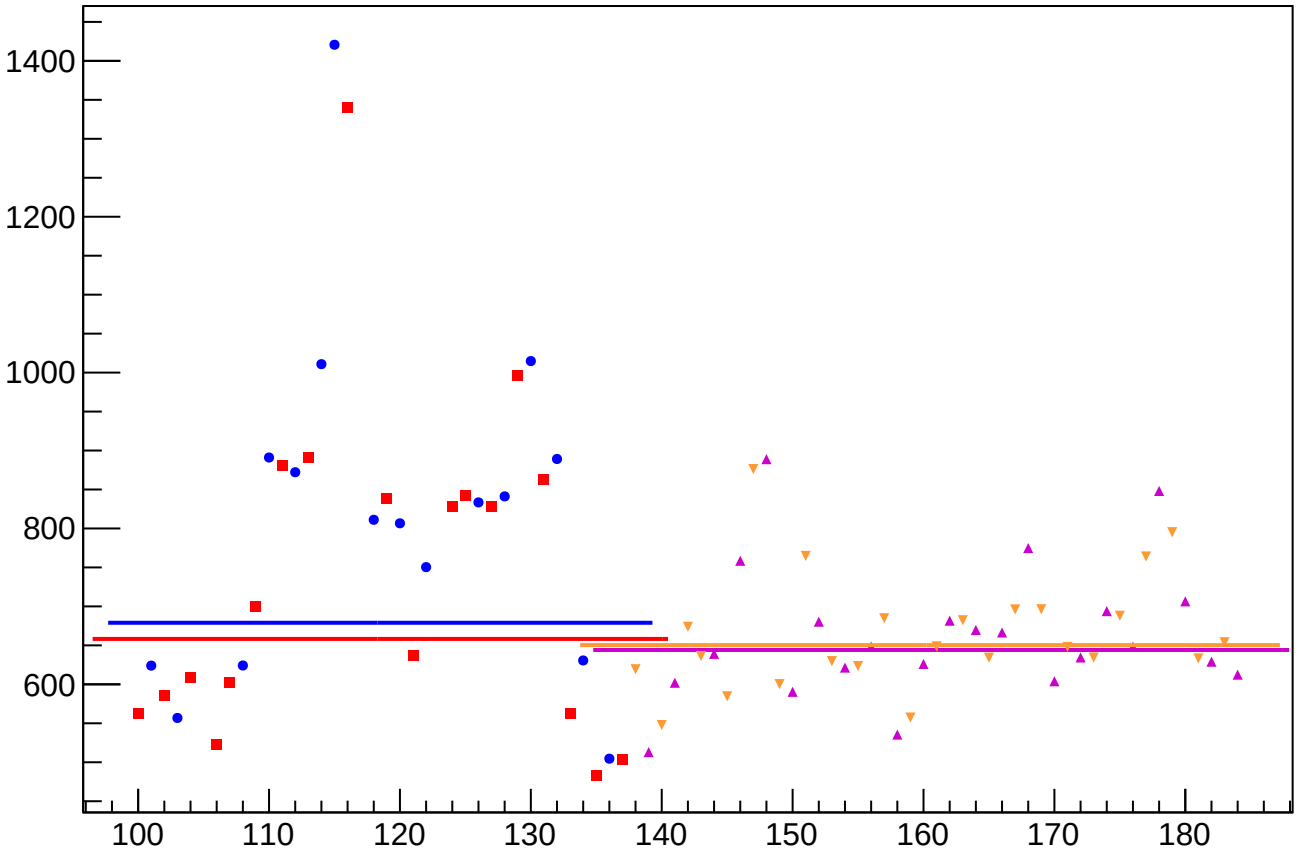
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 80.364+/-129.950 χ^2/NDF: 29.7/39

All: 118.203+/-91.854 χ^2/NDF: 82.7/81

- sign 155.984+/-129.851 χ^2/NDF: 52.8/41



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

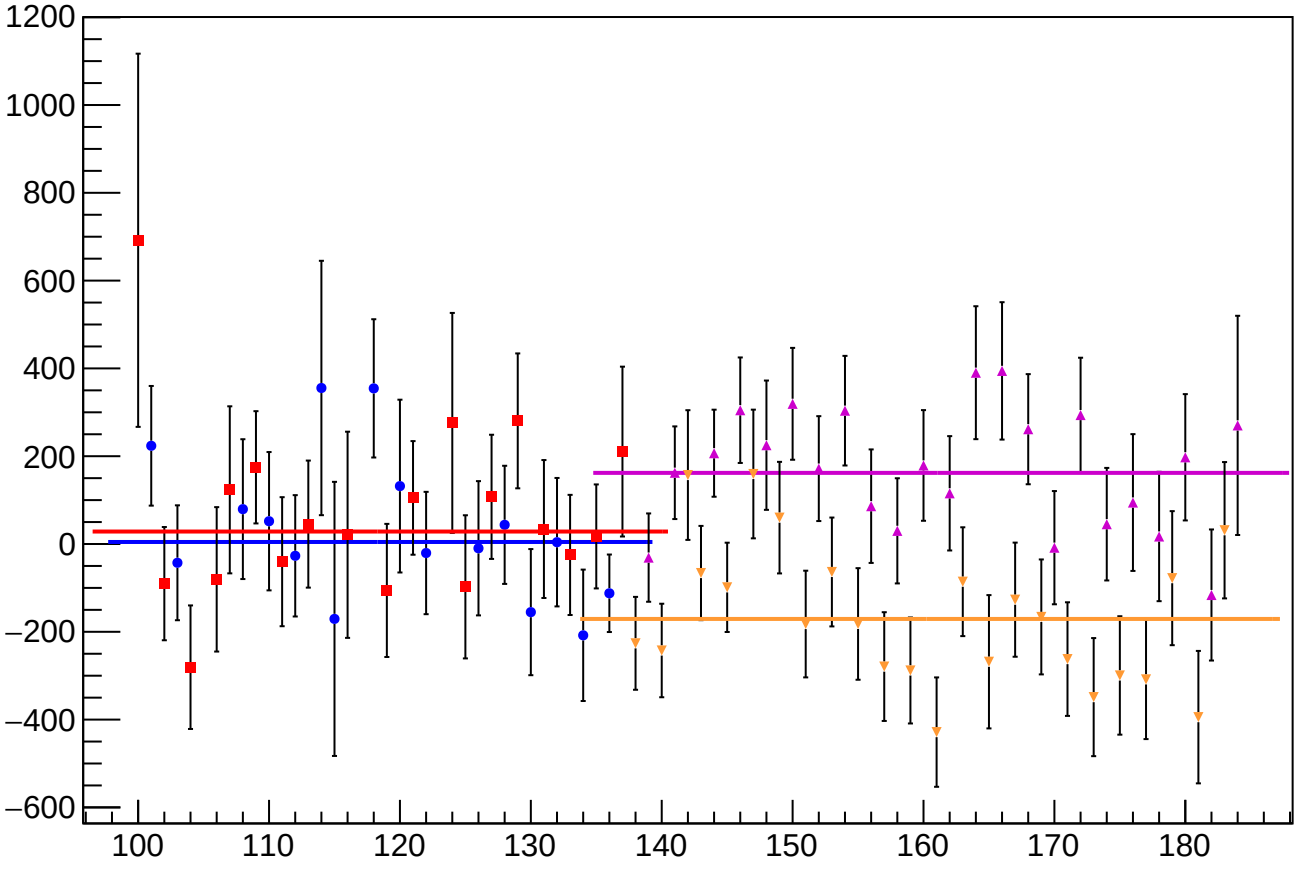
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

\+ sign 657.515+/-0.092 χ^2/NDF: 1197698.7/39

All: 652.711+/-0.065 χ^2/NDF: 2572895.9/81

\- sign 647.914+/-0.092 χ^2/NDF: 1369734.8/41

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

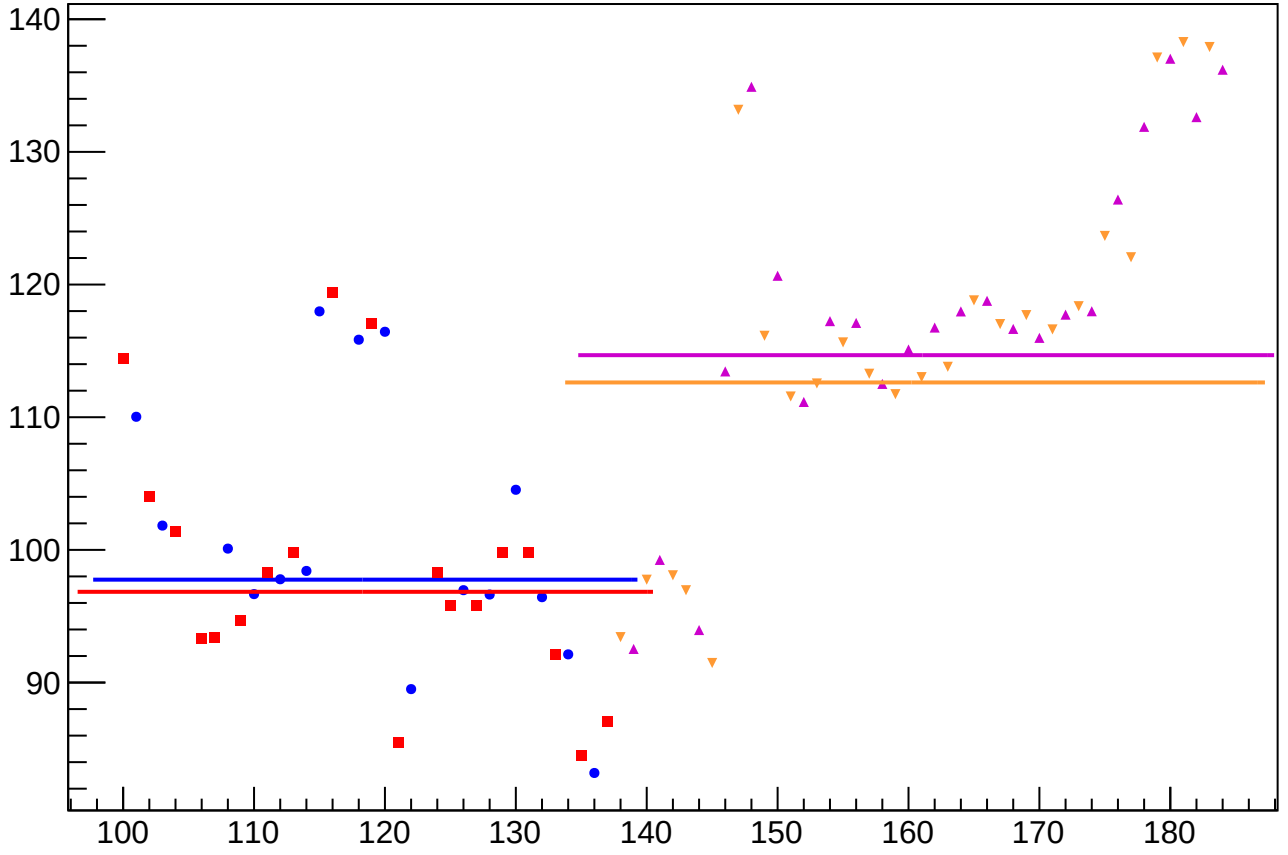
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -111.890+/-21.145 χ^2/NDF: 62.4/39

All: -1.030+/-15.061 χ^2/NDF: 167.8/81

- sign 113.119+/-21.456 χ^2/NDF: 49.7/41

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

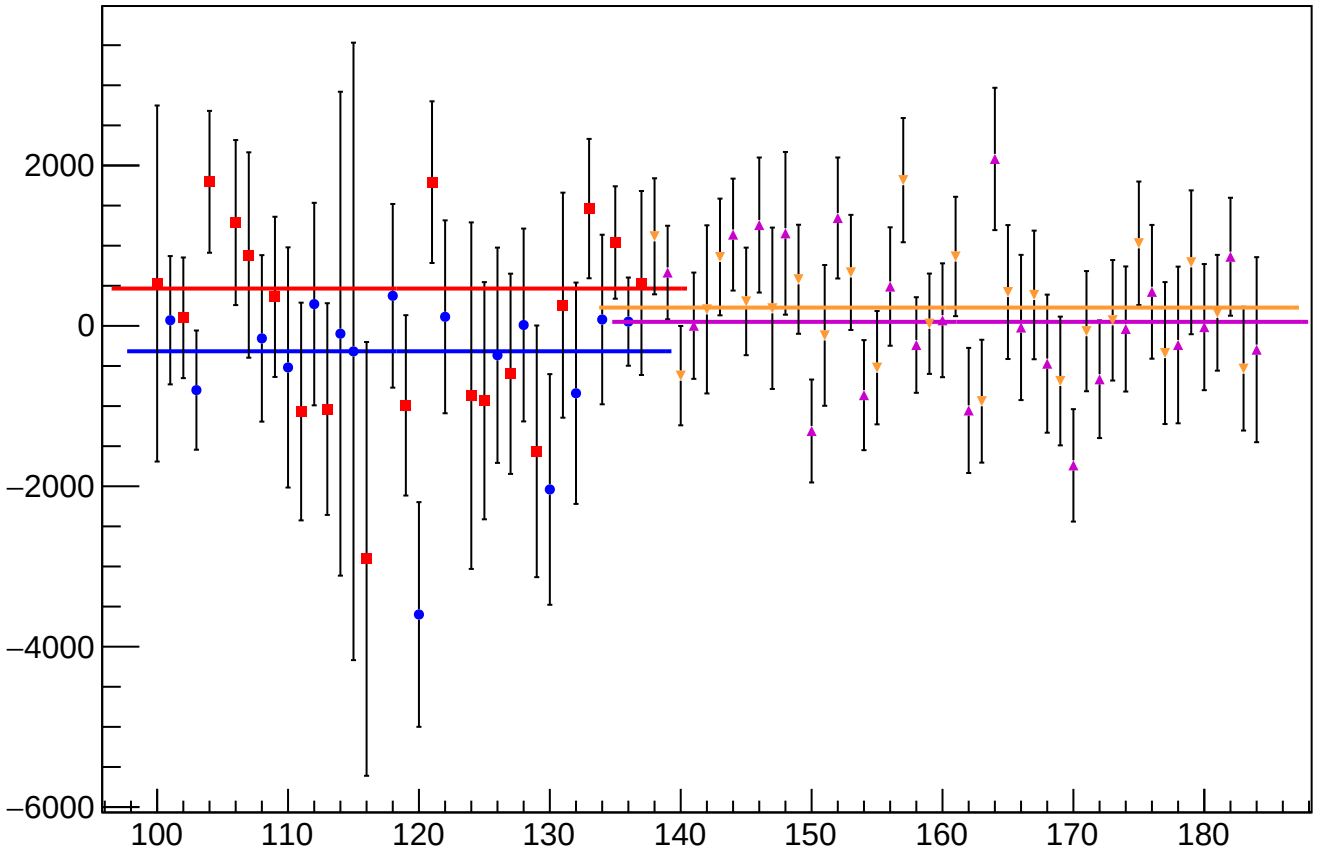
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 107.635+/-0.015 χ^2/NDF: 856251.0/39

All: 107.888+/-0.011 χ^2/NDF: 1702685.5/81

- sign 108.148+/-0.015 χ^2/NDF: 845853.6/41



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

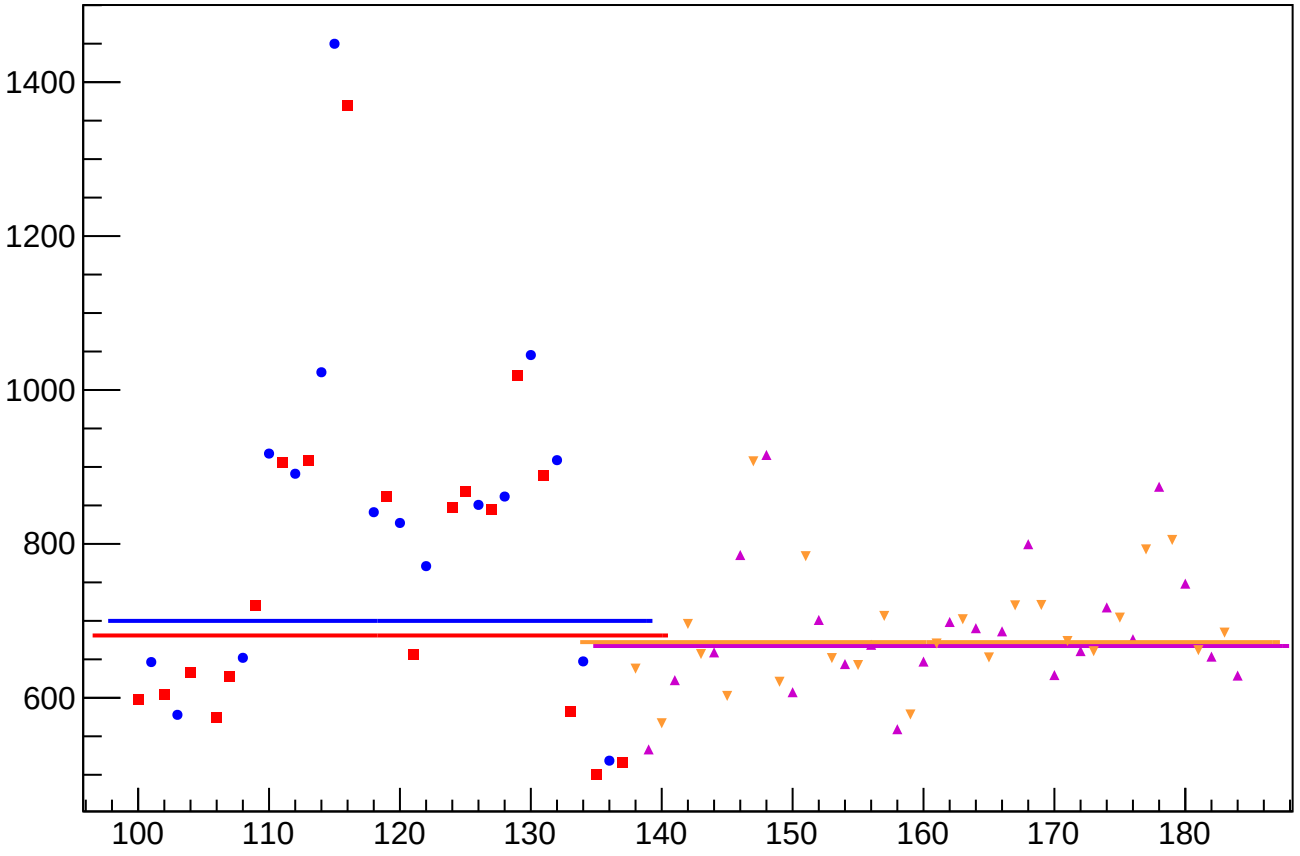
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

\+ sign 91.224+/-134.182 χ^2/NDF: 30.2/39

All: 127.535+/-94.898 χ^2/NDF: 82.0/81

\- sign 163.871+/-134.229 χ^2/NDF: 51.7/41

asym_sam_15_dd_dit_correction_rms vs Slug



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

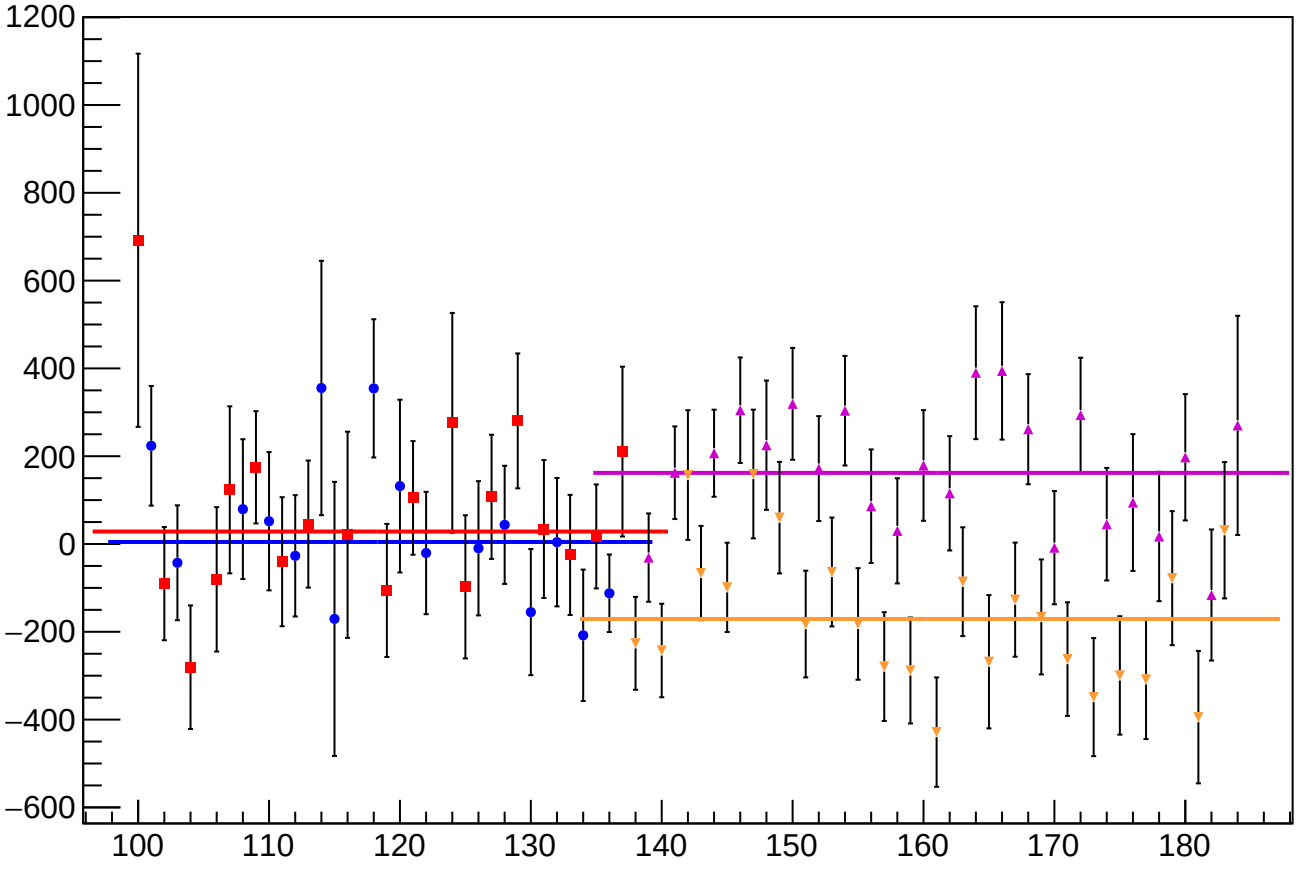
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 679.330+/-0.095 χ^2/NDF: 1167122.2/39

All: 675.208+/-0.067 χ^2/NDF: 2491325.6/81

- sign 671.082+/-0.095 χ^2/NDF: 1320426.0/41

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

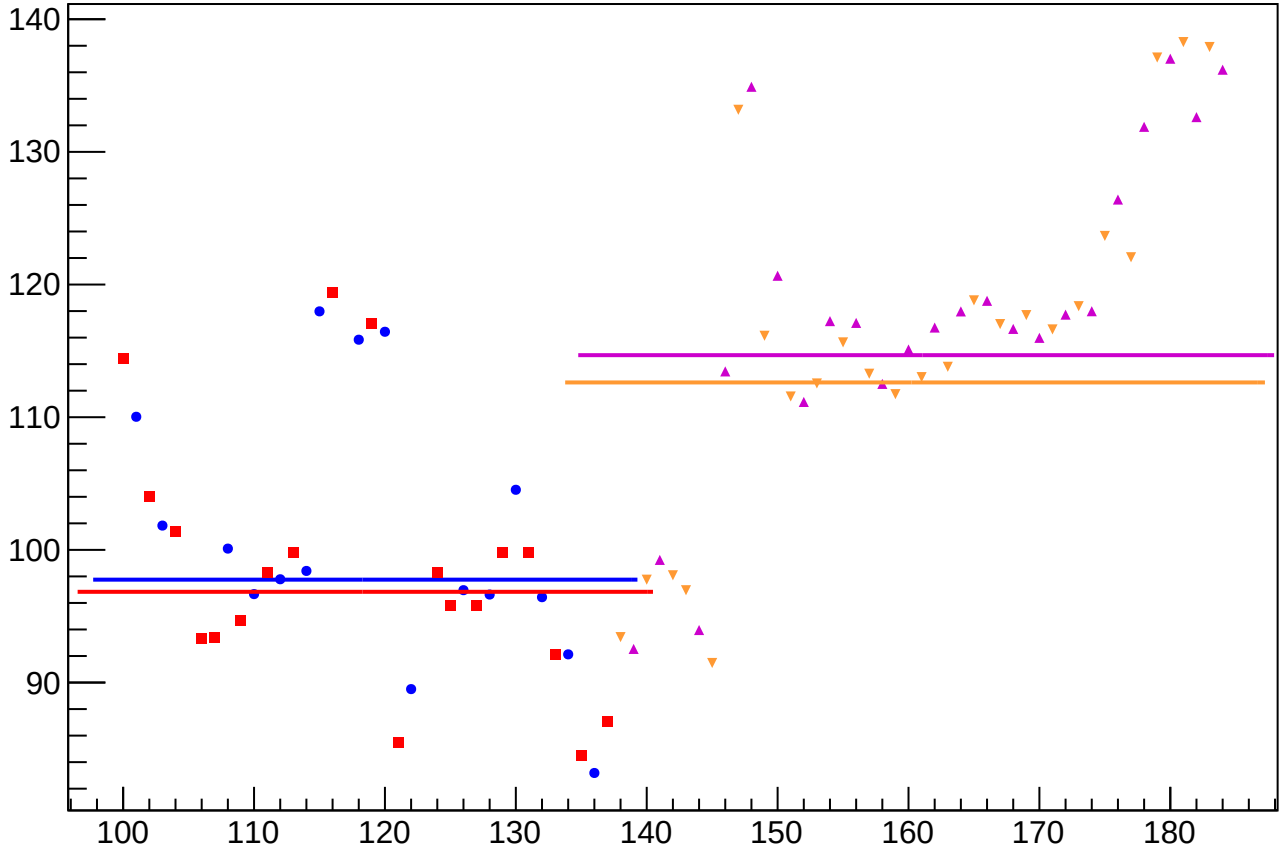
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -111.890+/-21.145 χ^2/NDF: 62.4/39

All: -1.030+/-15.061 χ^2/NDF: 167.8/81

- sign 113.119+/-21.456 χ^2/NDF: 49.7/41

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

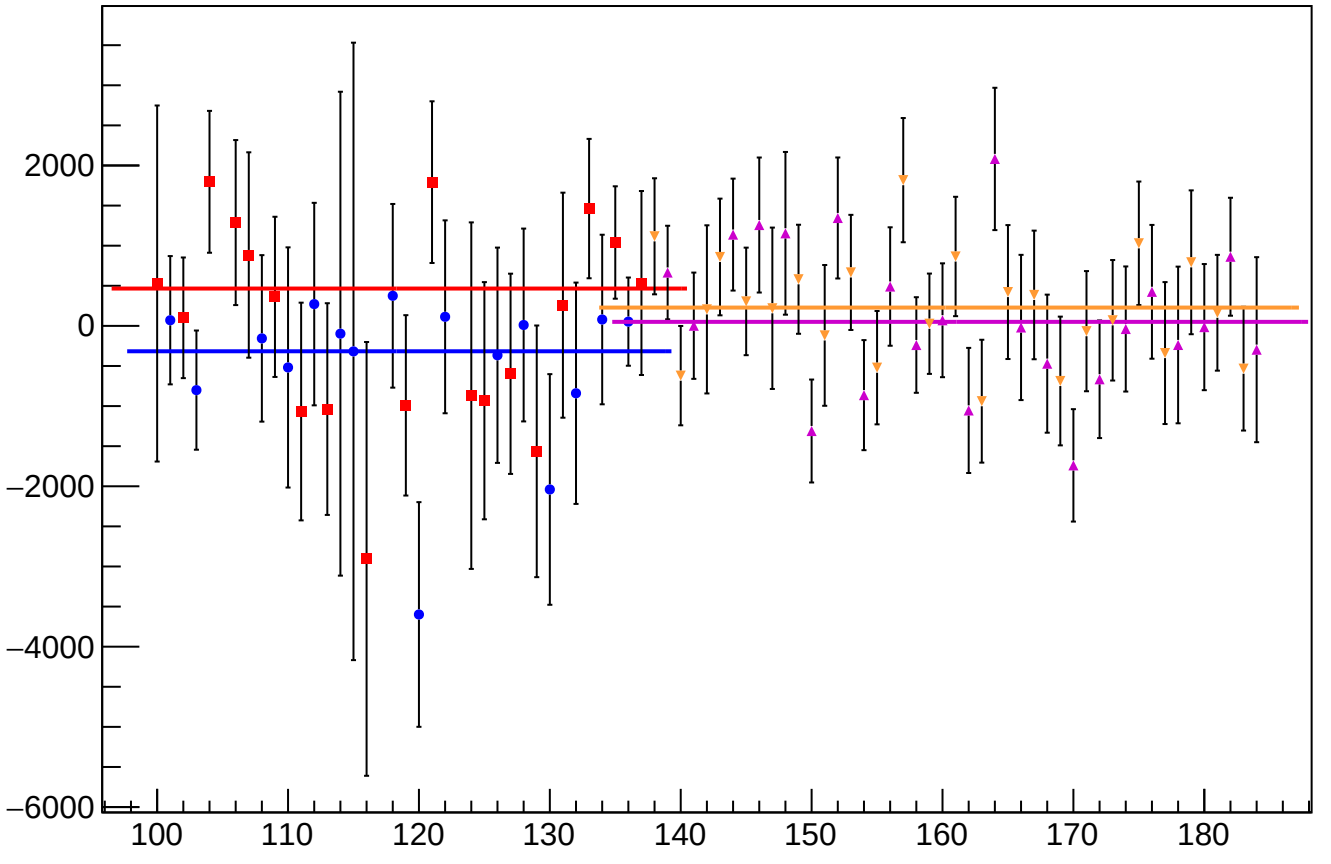
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

\+ sign 107.635+/-0.015 χ^2/NDF: 856255.1/39

All: 107.888+/-0.011 χ^2/NDF: 1702704.7/81

\- sign 108.148+/-0.015 χ^2/NDF: 845868.7/41



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 228.311+/-155.105 χ^2/NDF:17.9/23

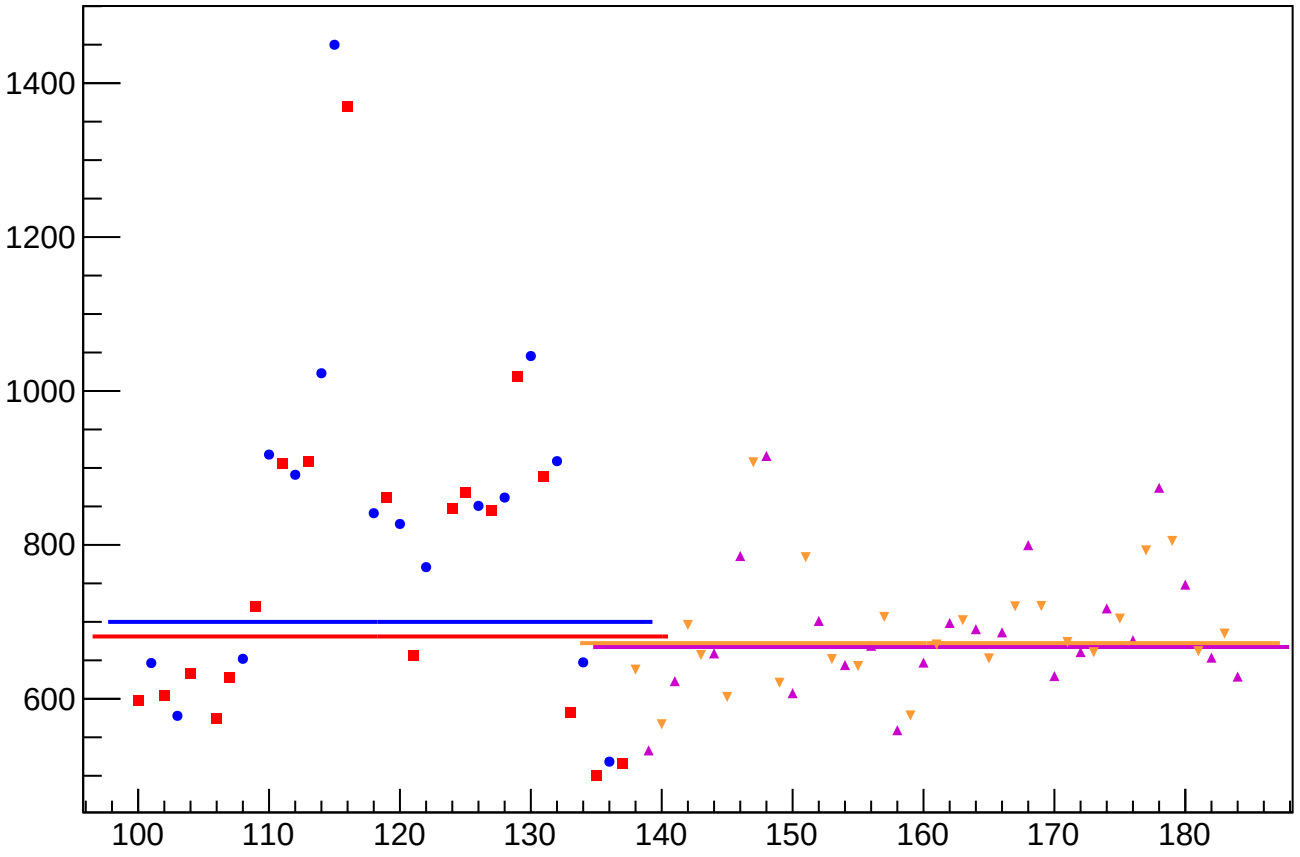
Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

\+ sign 91.224+/-134.182 χ^2/NDF: 30.2/39

All: 127.535+/-94.898 χ^2/NDF: 82.0/81

\- sign 163.871+/-134.229 χ^2/NDF: 51.7/41



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

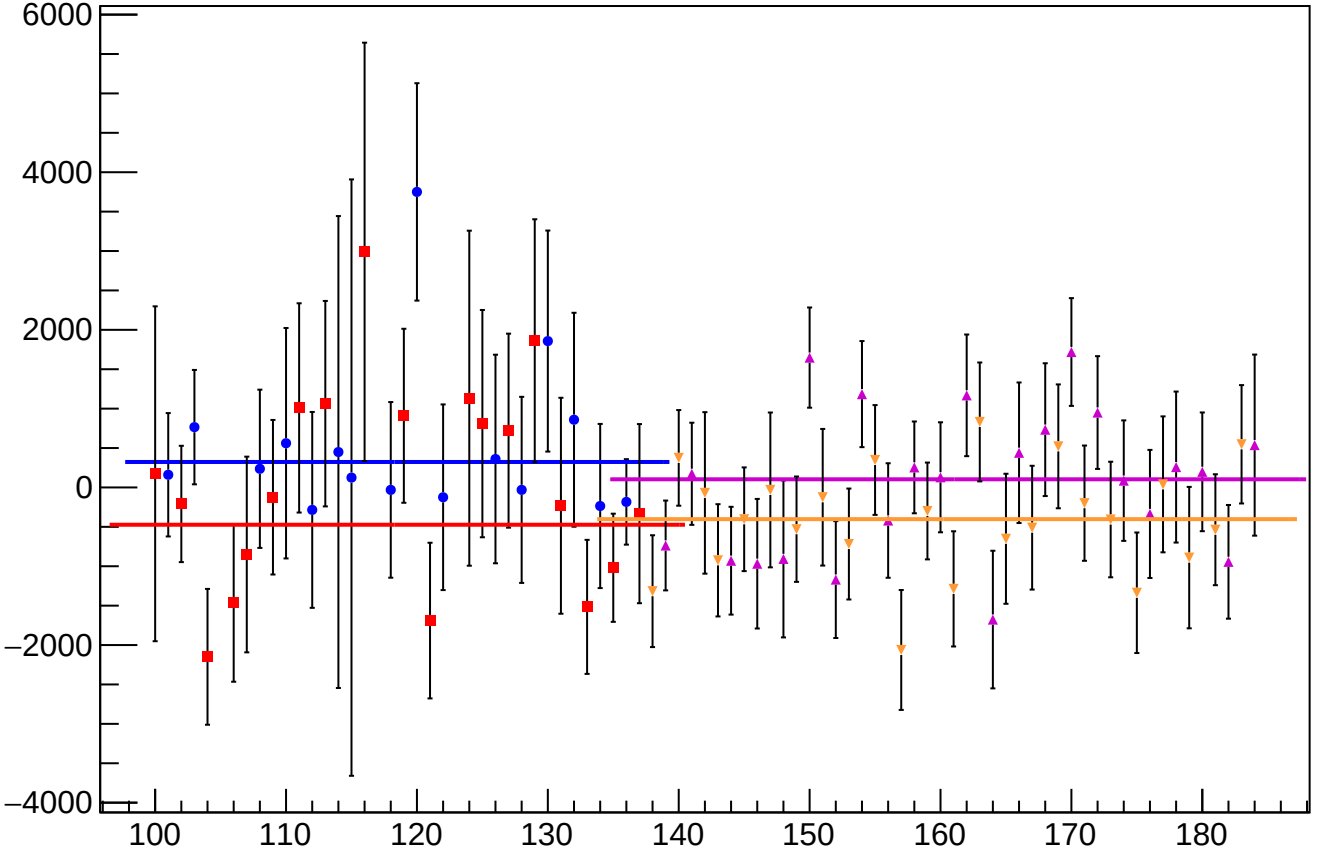
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

\+ sign 679.330+/-0.095 χ^2/NDF: 1167123.0/39

All: 675.208+/-0.067 χ^2/NDF: 2491330.5/81

\- sign 671.082+/-0.095 χ^2/NDF: 1320430.1/41

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

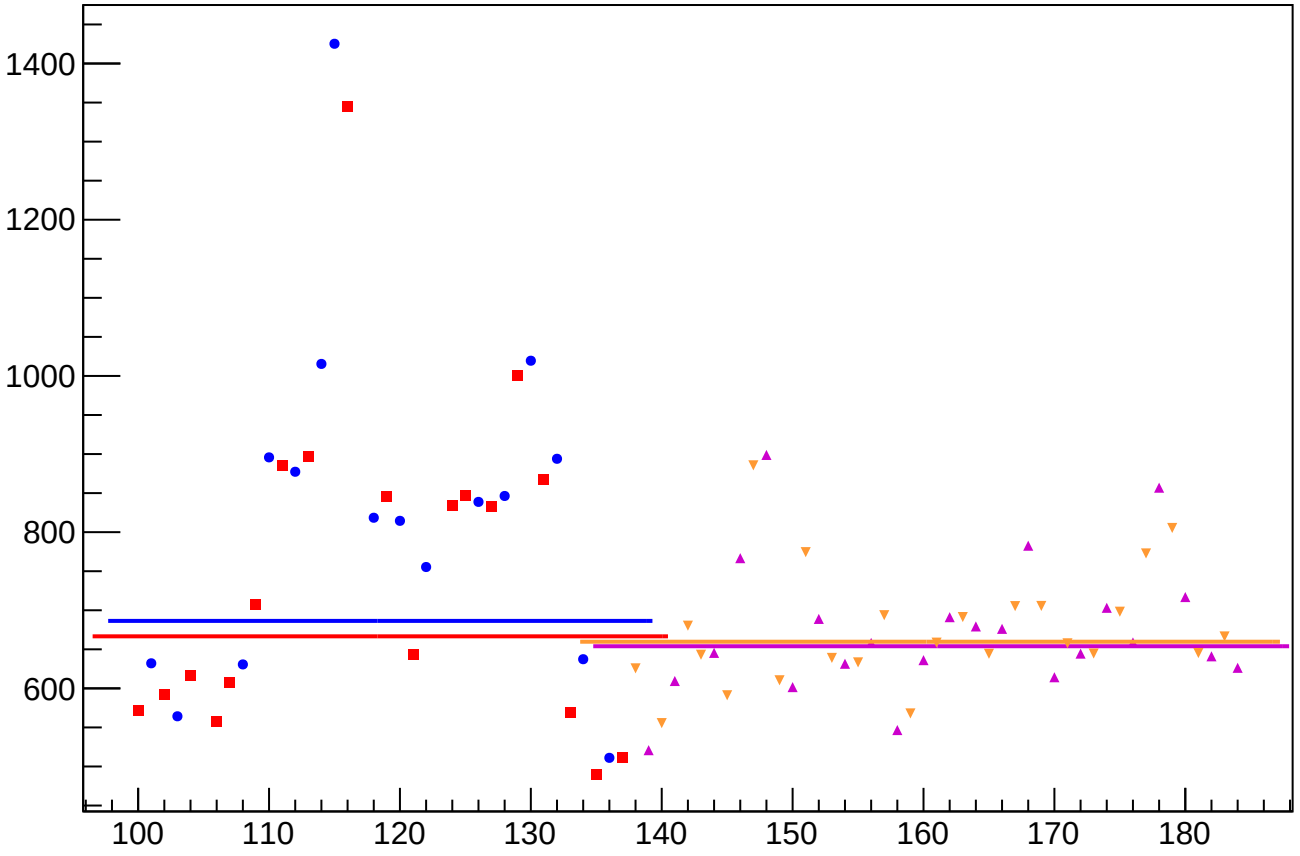
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -219.526+/-131.663 χ^2/NDF: 35.2/39

All: -136.950+/-93.048 χ^2/NDF: 94.8/81

- sign -54.556+/-131.518 χ^2/NDF: 58.8/41

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

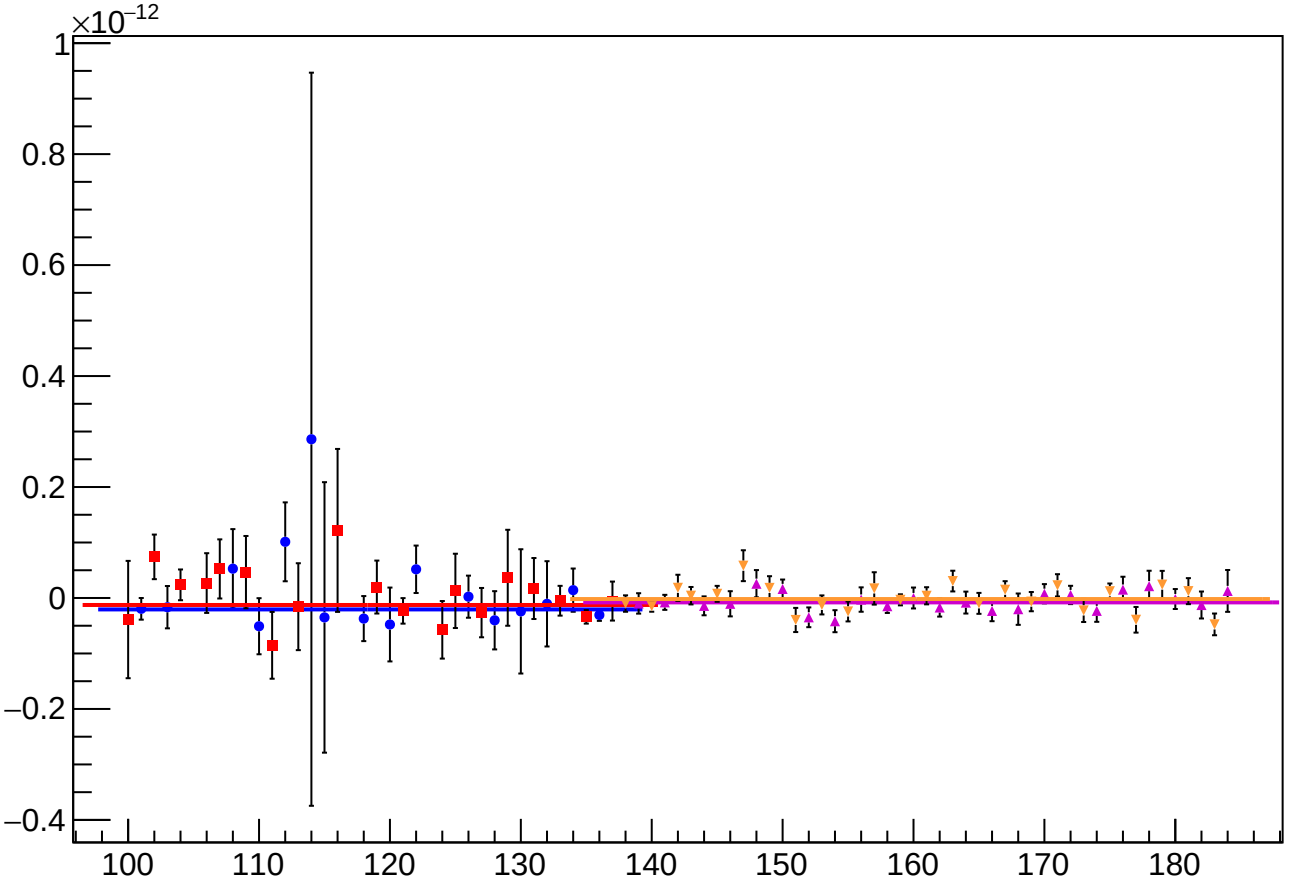
Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

\+ sign 666.457+/-0.093 χ^2/NDF: 1168631.0/39

All: 661.935+/-0.066 χ^2/NDF: 2496154.8/81

\- sign 657.423+/-0.093 χ^2/NDF: 1322811.1/41

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



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

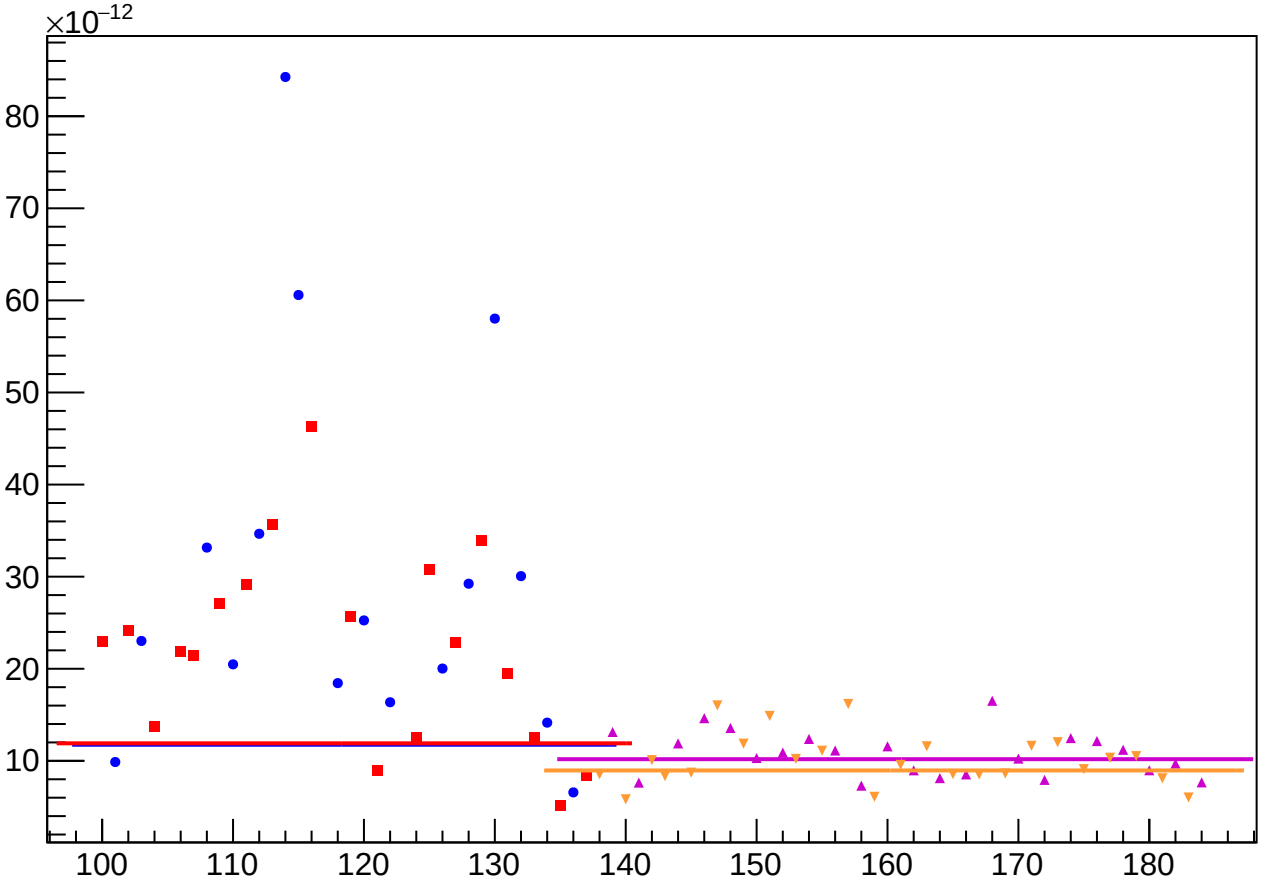
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/39

All: -0.000+/-0.000 χ^2/NDF: 80.2/81

- sign -0.000+/-0.000 χ^2/NDF: 33.0/41

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

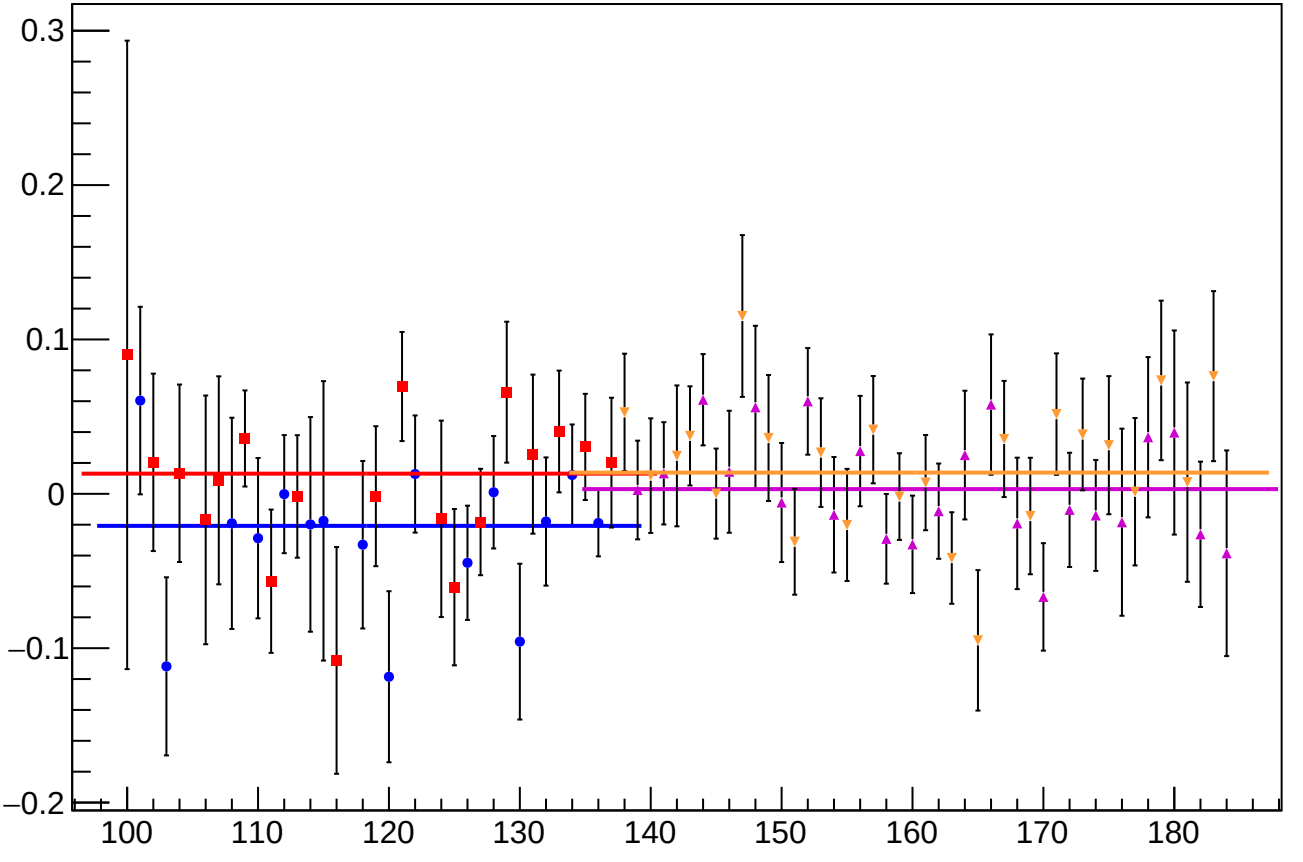
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3410449.8/39

All: 0.000+/-0.000 χ^2/NDF: 6460227.4/81

- sign 0.000+/-0.000 χ^2/NDF: 2938846.5/41

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

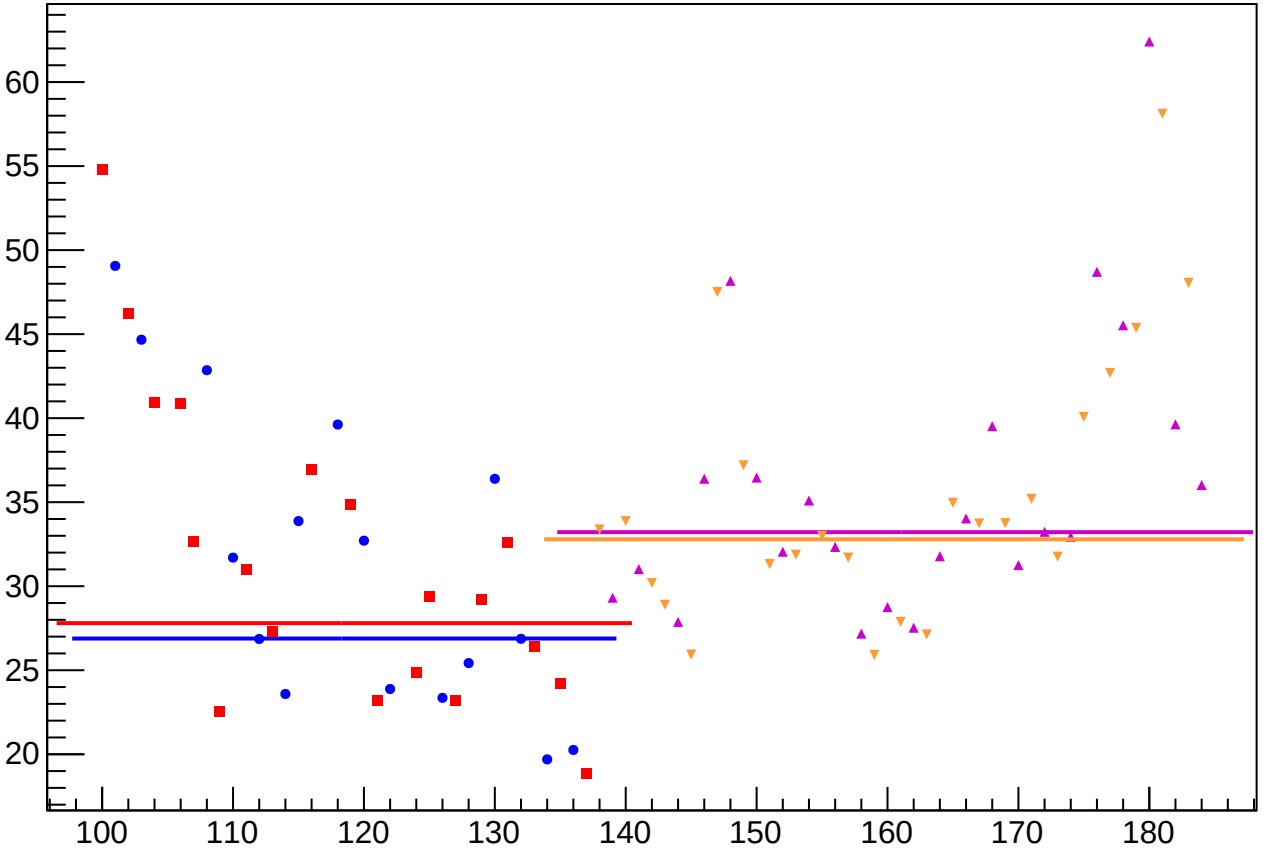
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.002+/-0.006 χ^2/NDF: 43.5/39

All: 0.004+/-0.004 χ^2/NDF: 77.5/81

- sign 0.007+/-0.006 χ^2/NDF: 33.7/41

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

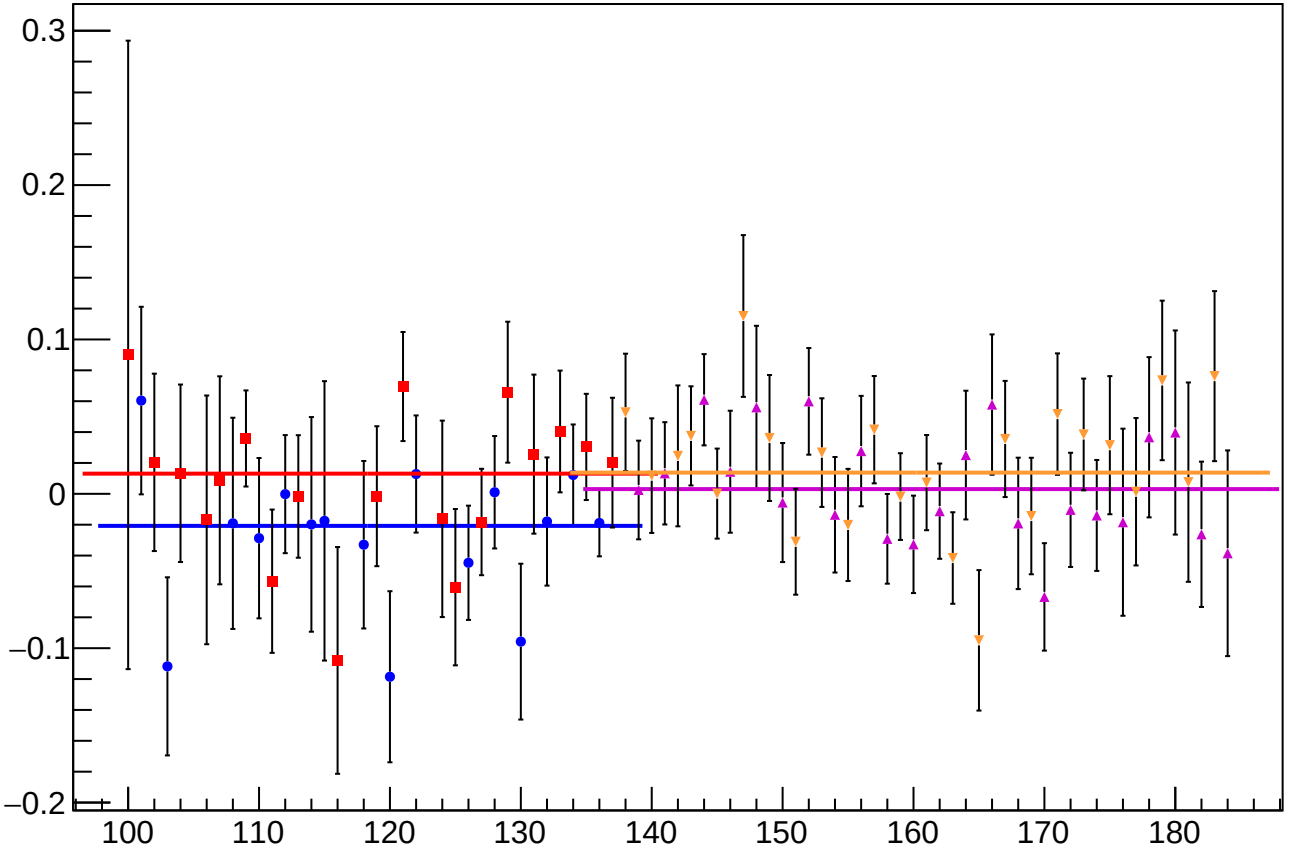
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.730+/-0.004 χ^2/NDF: 2846969.4/39

All: 30.984+/-0.003 χ^2/NDF: 5174327.0/81

- sign 31.250+/-0.004 χ^2/NDF: 2320524.6/41

asym_sam_15_dd_dit_vs_eigen_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

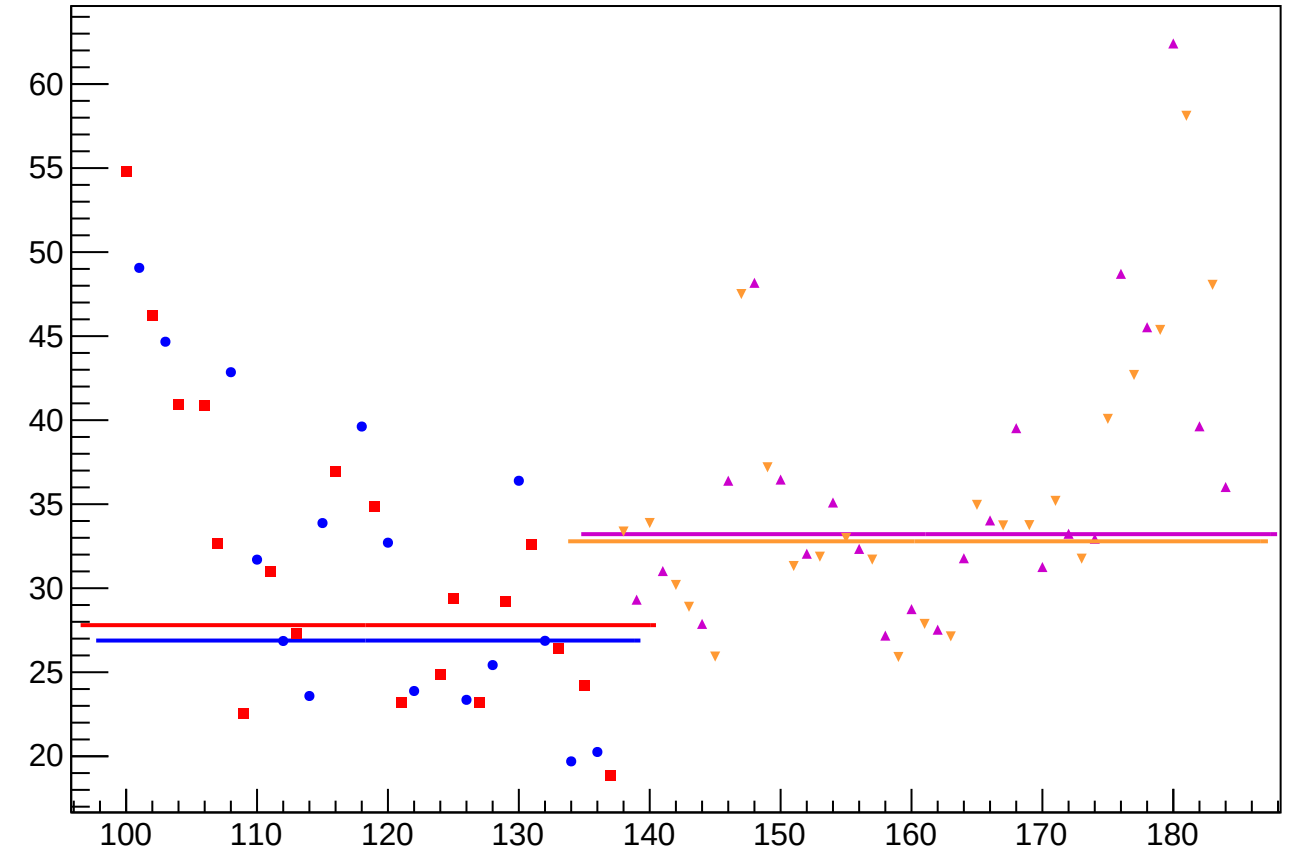
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.002+/-0.006 χ^2/NDF: 43.5/39

All: 0.004+/-0.004 χ^2/NDF: 77.5/81

- sign 0.007+/-0.006 χ^2/NDF: 33.7/41



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.791+/-0.005 χ^2/NDF:1315297.8/23

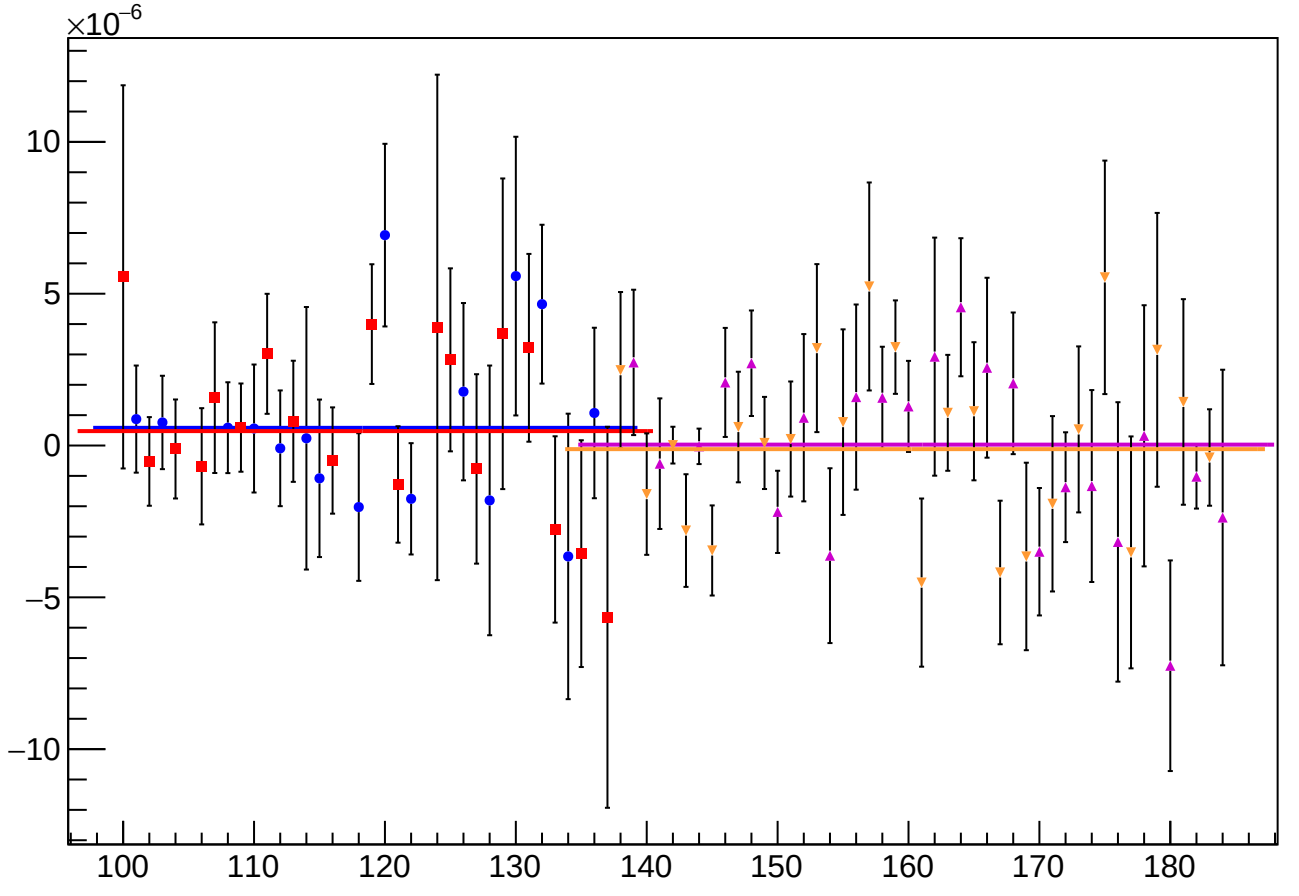
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.730+/-0.004 χ^2/NDF: 2846969.4/39

All: 30.984+/-0.003 χ^2/NDF: 5174327.0/81

- sign 31.250+/-0.004 χ^2/NDF: 2320524.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.4/23

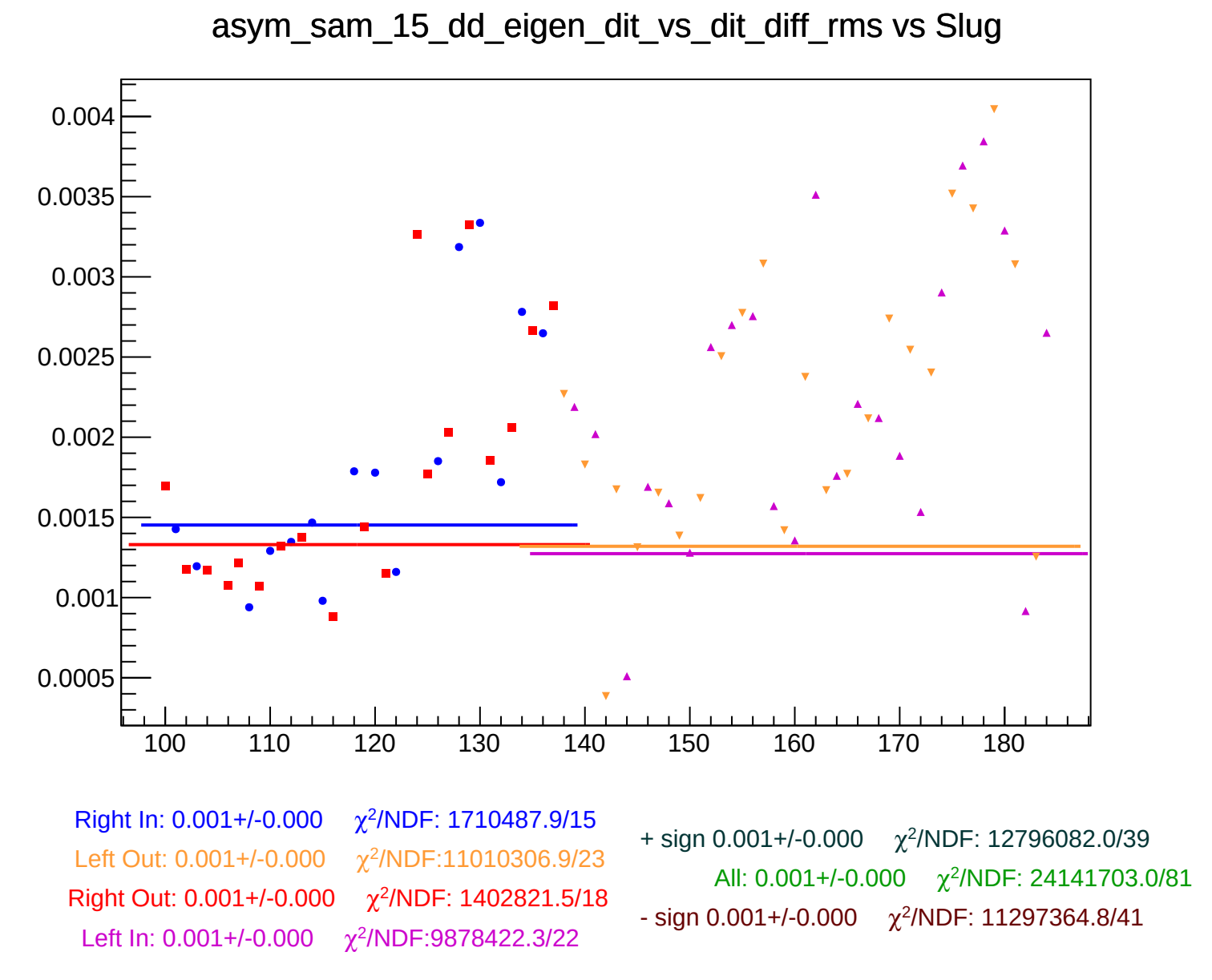
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

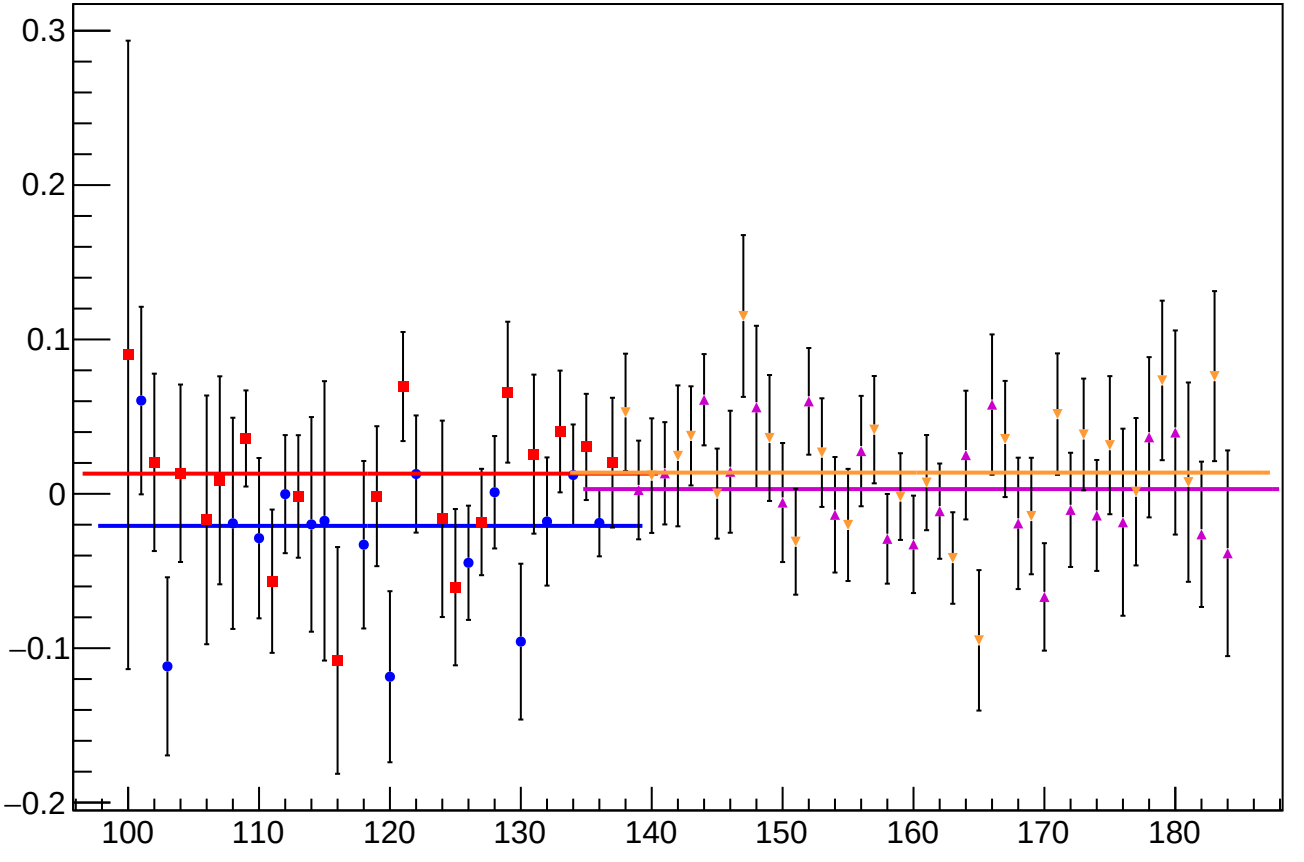
+ sign 0.000+/-0.000 χ^2/NDF: 43.1/39

All: 0.000+/-0.000 χ^2/NDF: 83.9/81

- sign 0.000+/-0.000 χ^2/NDF: 40.7/41


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:9878422.3/22
+ sign 0.001+/-0.000 χ²/NDF: 12796082.0/39
All: 0.001+/-0.000 χ²/NDF: 24141703.0/81
- sign 0.001+/-0.000 χ²/NDF: 11297364.8/41

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

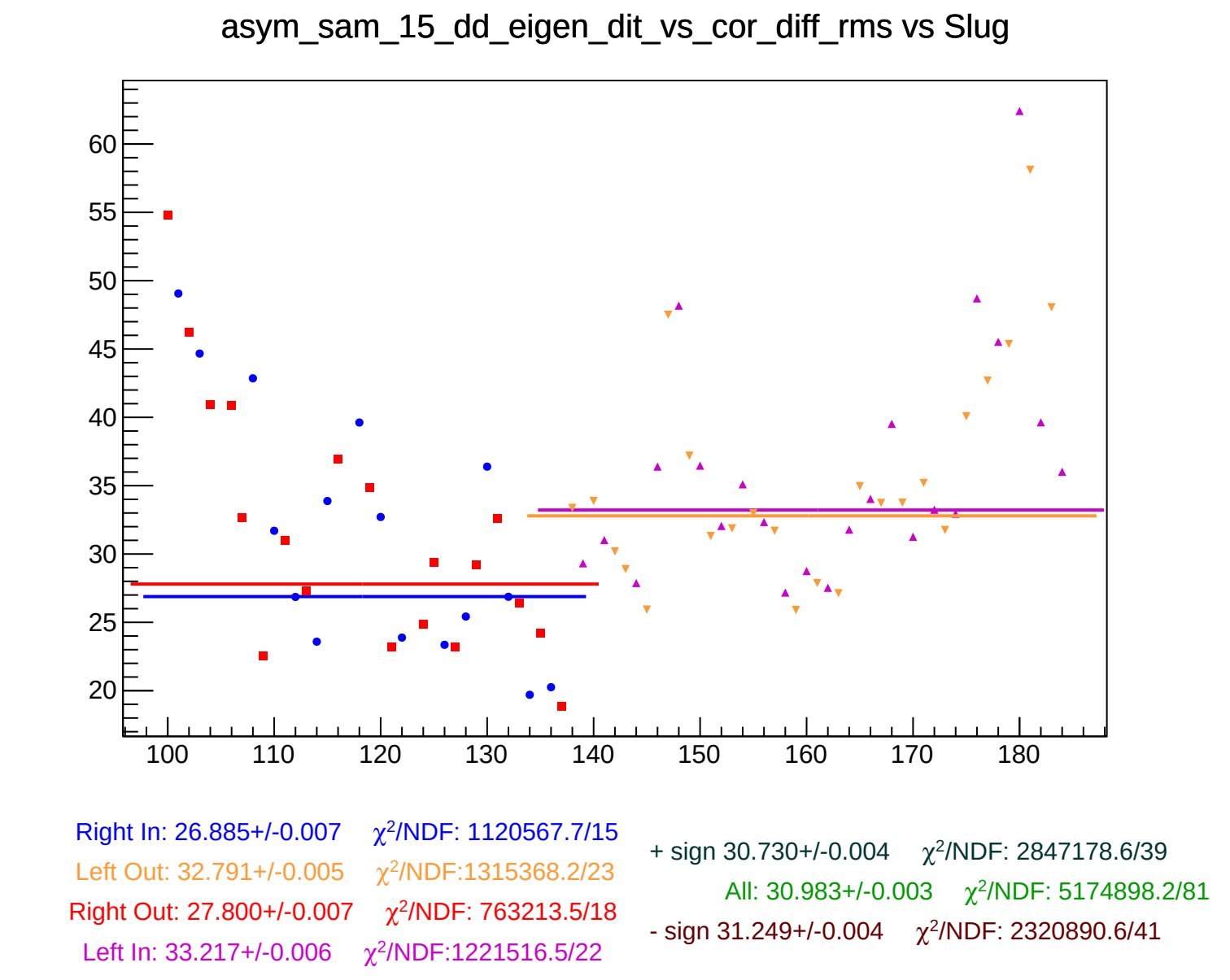
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

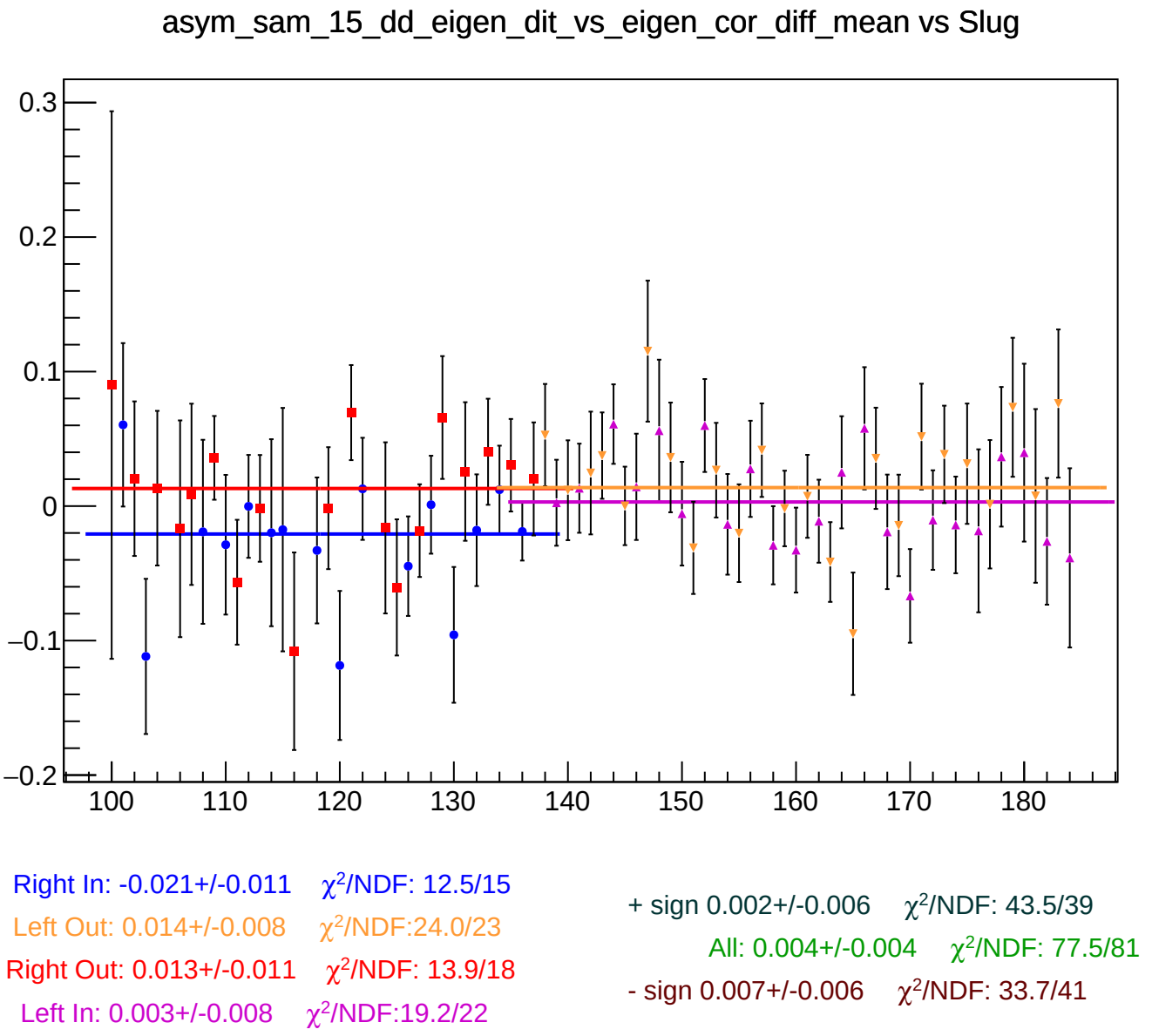
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

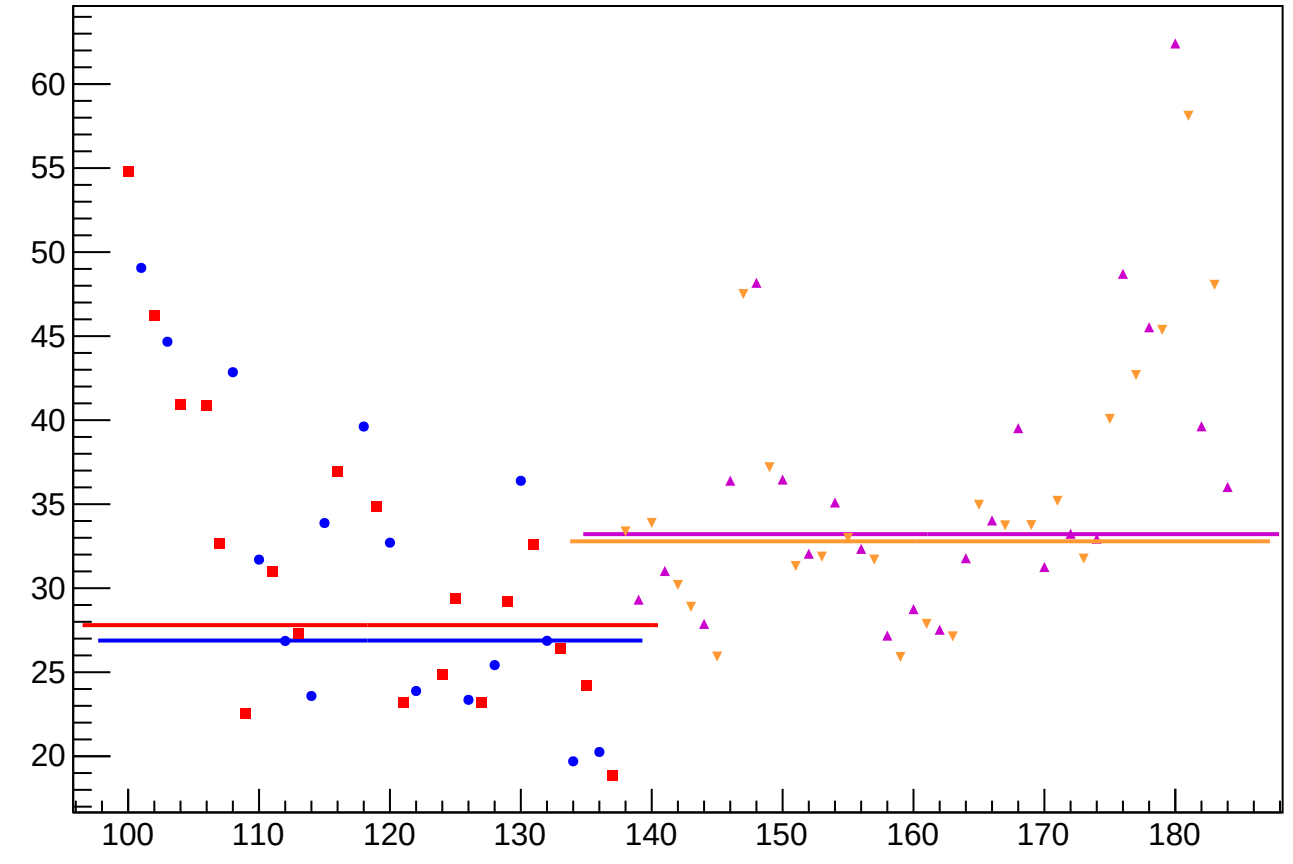
+ sign 0.002+/-0.006 χ^2/NDF: 43.5/39

All: 0.004+/-0.004 χ^2/NDF: 77.5/81

- sign 0.007+/-0.006 χ^2/NDF: 33.7/41


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: 33.217+/-0.006 χ²/NDF:1221516.5/22
+ sign 30.730+/-0.004 χ²/NDF: 2847178.6/39
All: 30.983+/-0.003 χ²/NDF: 5174898.2/81
- sign 31.249+/-0.004 χ²/NDF: 2320890.6/41


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.014+/-0.008 χ²/NDF:24.0/23
Right Out: 0.013+/-0.011 χ²/NDF: 13.9/18
Left In: 0.003+/-0.008 χ²/NDF:19.2/22
+ sign 0.002+/-0.006 χ²/NDF: 43.5/39
All: 0.004+/-0.004 χ²/NDF: 77.5/81
- sign 0.007+/-0.006 χ²/NDF: 33.7/41



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.791+/-0.005 χ^2/NDF:1315368.2/23

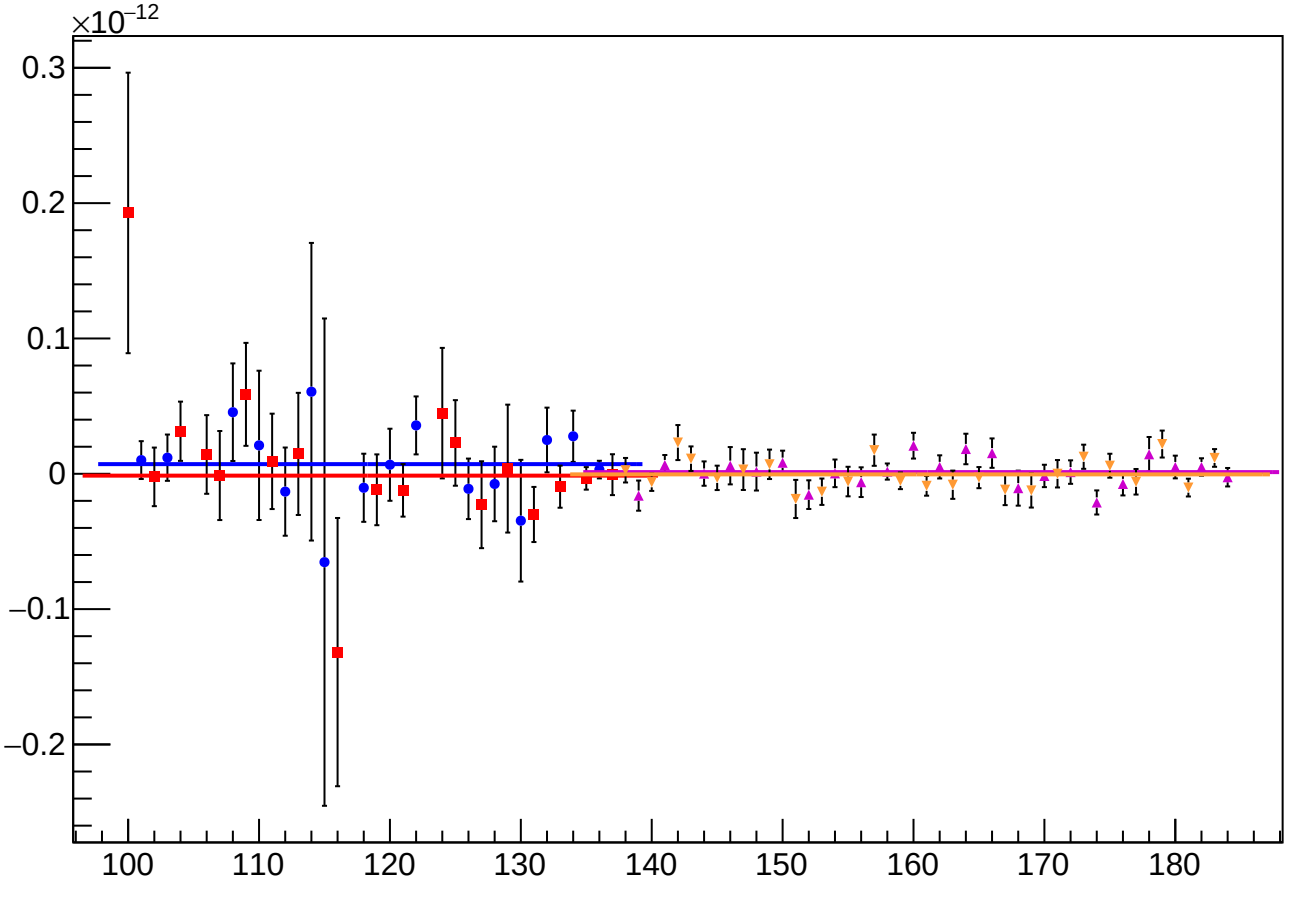
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 30.730+/-0.004 χ^2/NDF: 2847178.6/39

All: 30.983+/-0.003 χ^2/NDF: 5174898.2/81

\- sign 31.249+/-0.004 χ^2/NDF: 2320890.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.7/23

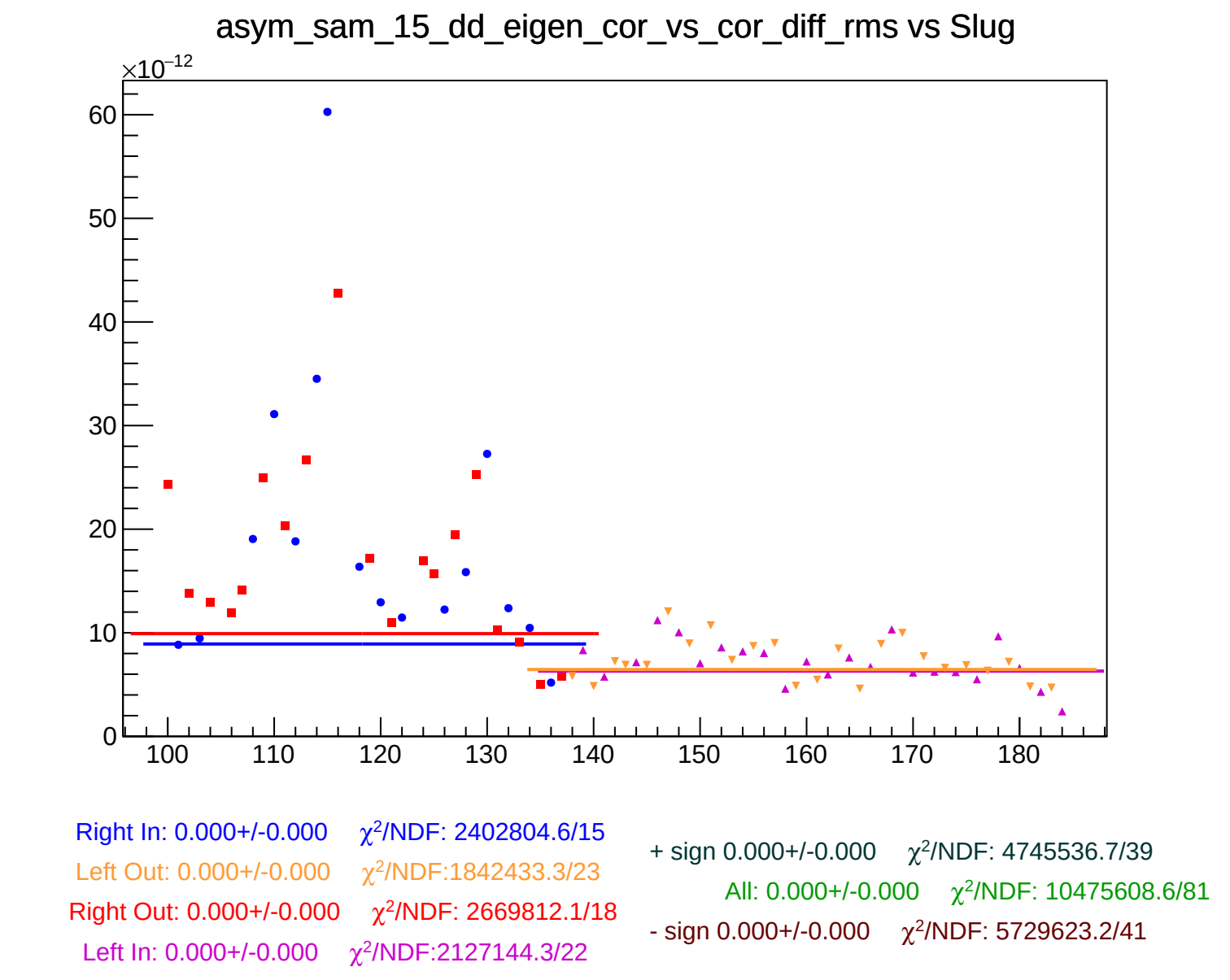
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

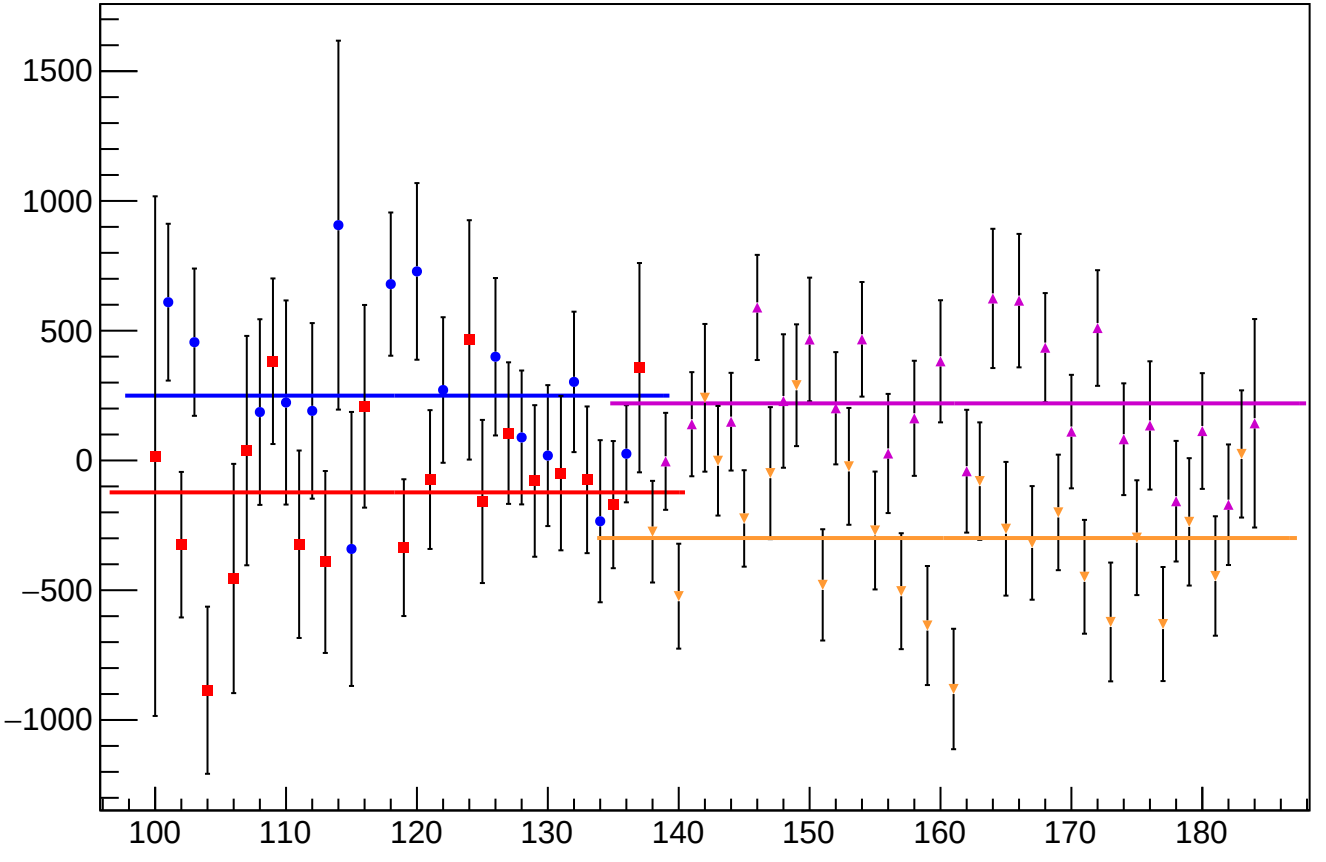
+ sign 0.000+/-0.000 χ^2/NDF: 41.3/39

All: 0.000+/-0.000 χ^2/NDF: 82.1/81

- sign 0.000+/-0.000 χ^2/NDF: 40.8/41


asym_sam_15_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: 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:2127144.3/22
+ sign 0.000+/-0.000 χ²/NDF: 4745536.7/39
All: 0.000+/-0.000 χ²/NDF: 10475608.6/81
- sign 0.000+/-0.000 χ²/NDF: 5729623.2/41

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

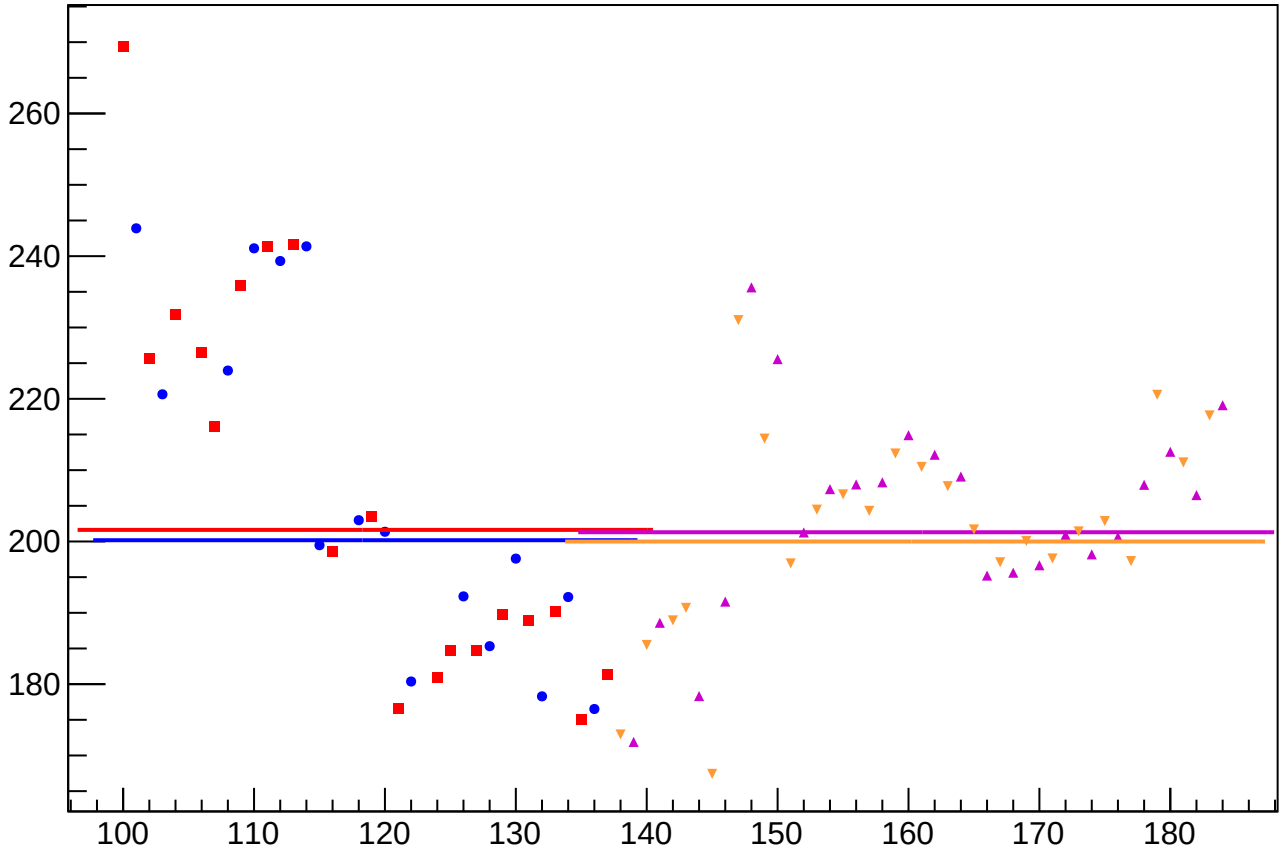
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -149.206+/-39.115 χ^2/NDF: 86.7/39

All: -16.189+/-27.904 χ^2/NDF: 164.7/81

- sign 121.656+/-39.819 χ^2/NDF: 54.5/41

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 199.994+/-0.032 χ^2/NDF:200466.0/23

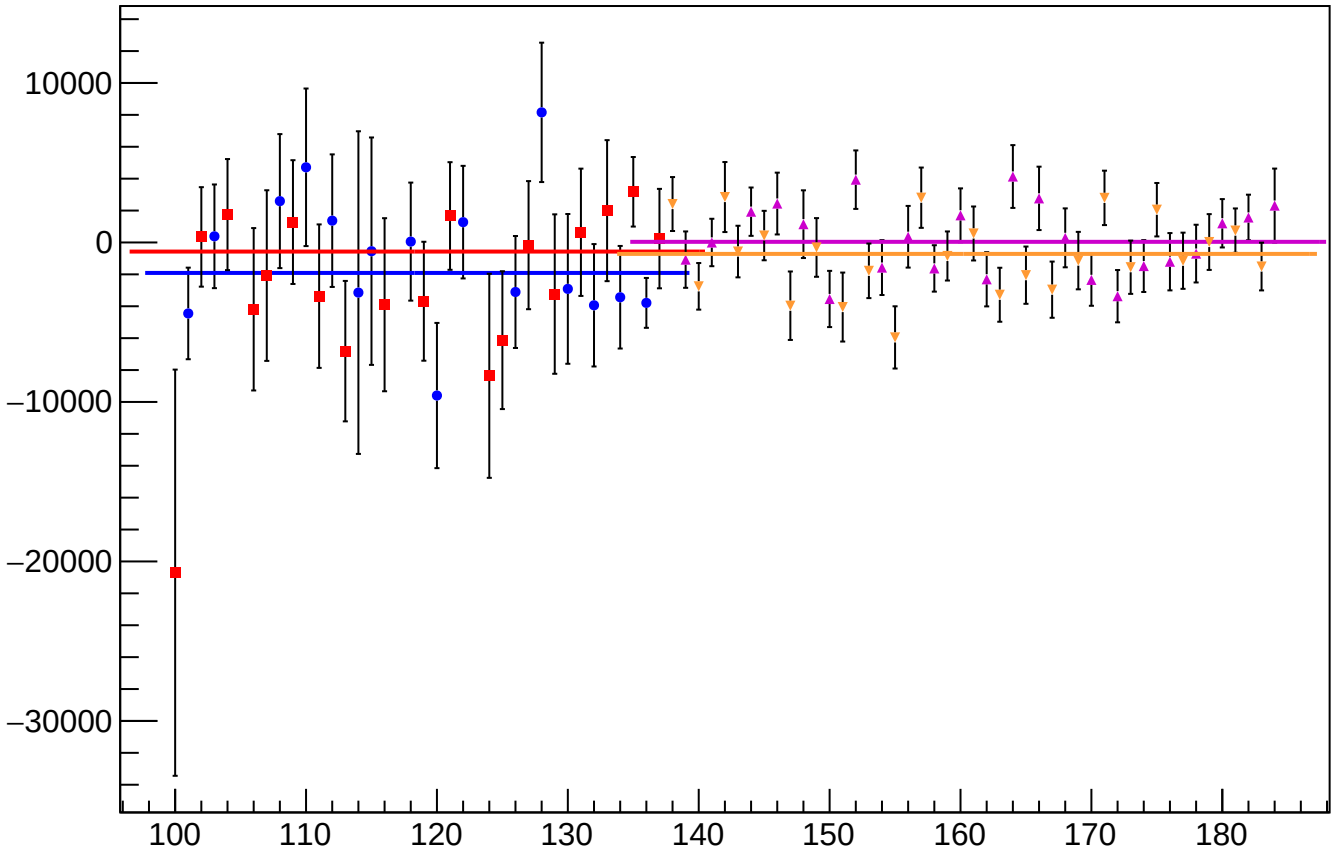
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.044+/-0.028 χ^2/NDF: 381475.9/39

All: 200.706+/-0.020 χ^2/NDF: 761562.4/81

- sign 201.392+/-0.028 χ^2/NDF: 378920.5/41



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

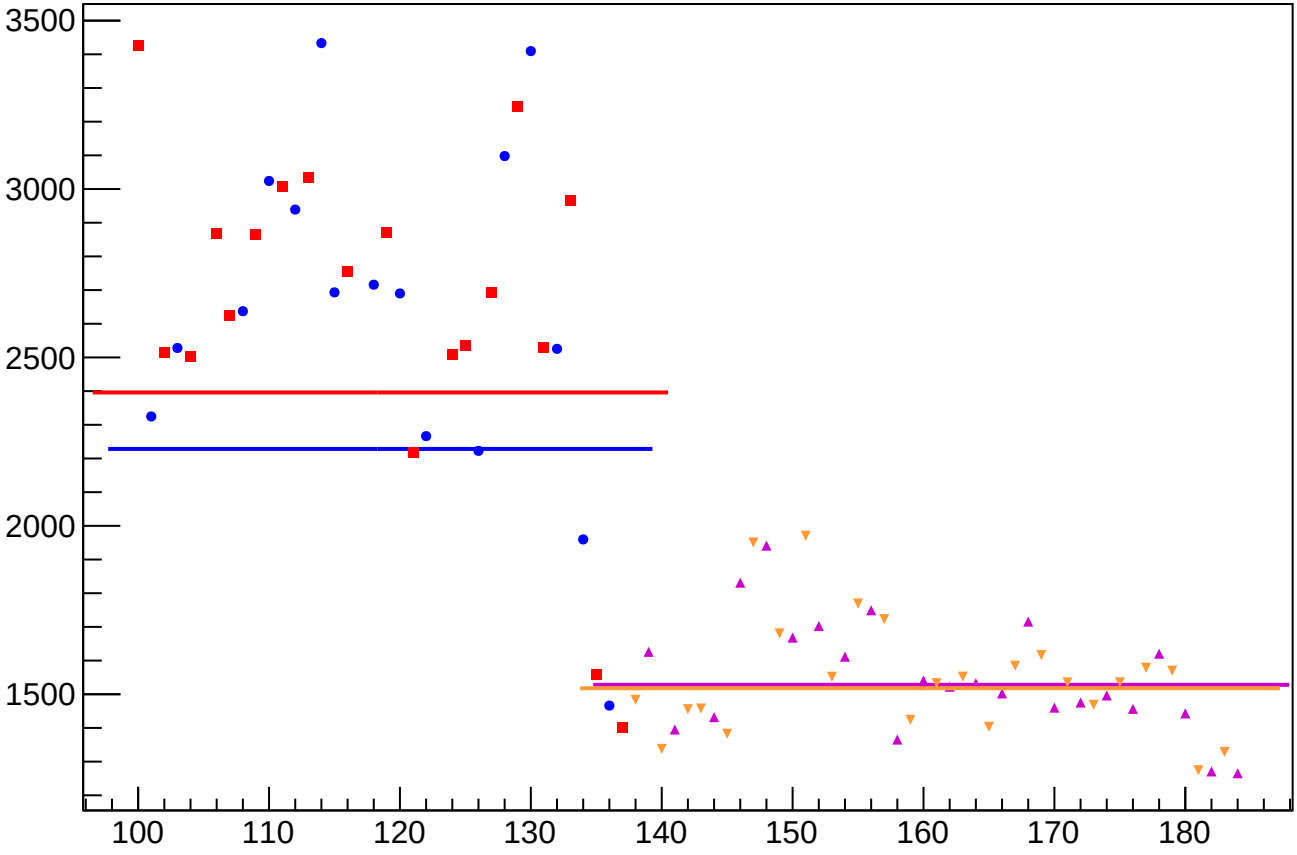
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -887.359+/-324.056 χ^2/NDF: 56.2/39

All: -478.279+/-232.472 χ^2/NDF: 108.9/81

- sign -44.523+/-333.686 χ^2/NDF: 49.4/41

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

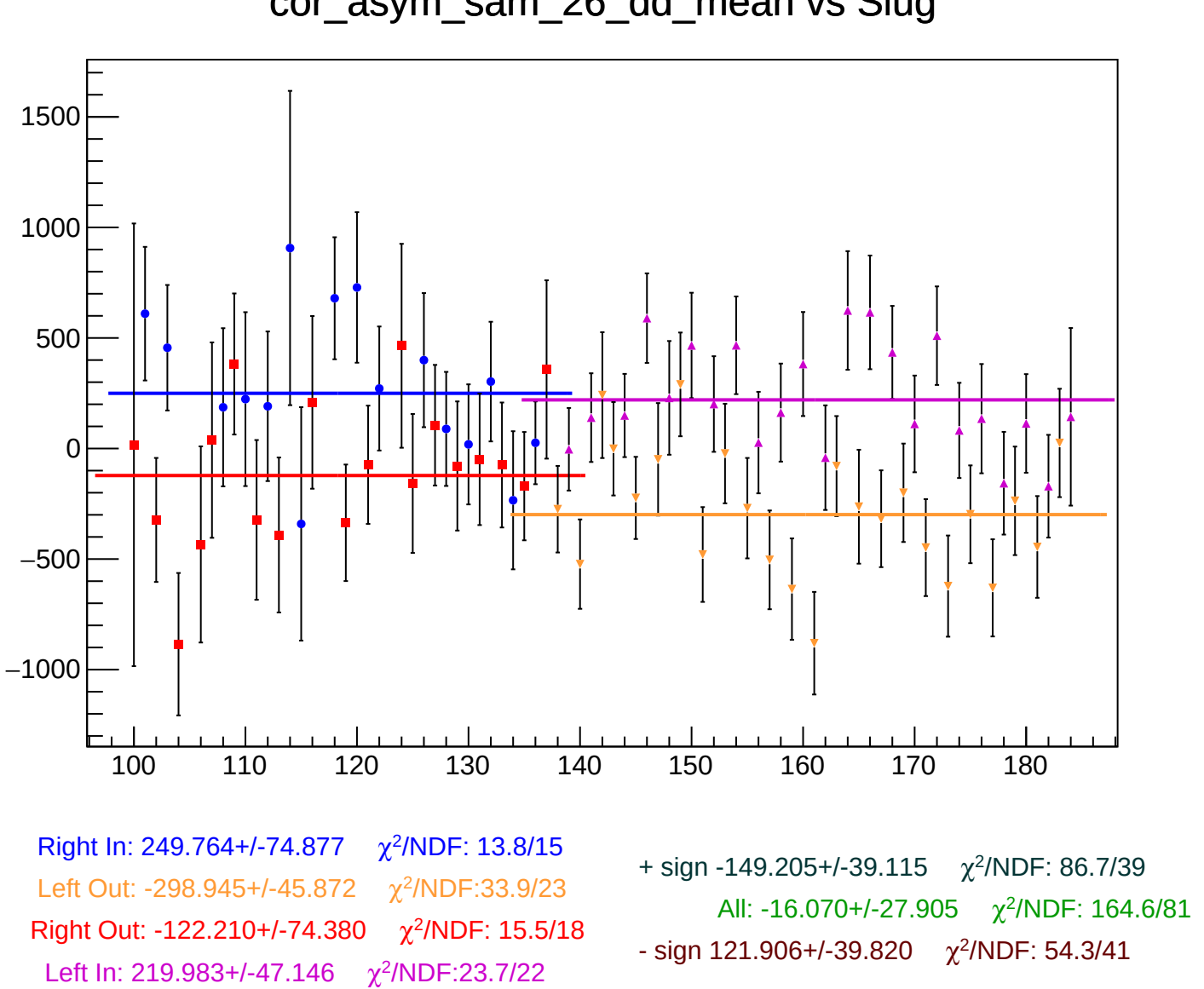
Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

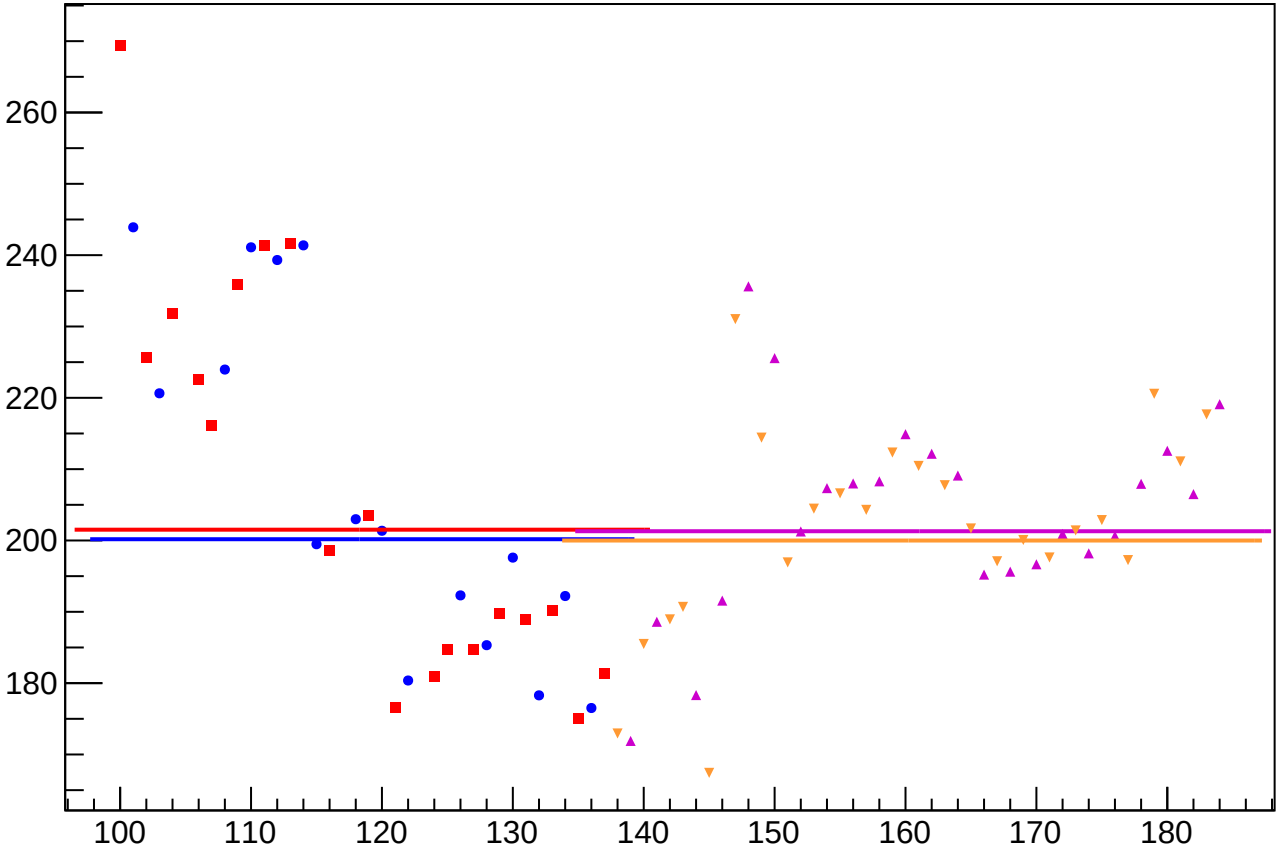
+ sign 1618.951+/-0.229 χ^2/NDF: 2539401.5/39

All: 1632.652+/-0.164 χ^2/NDF: 5323709.0/81

- sign 1647.180+/-0.236 χ^2/NDF: 2776941.6/41


cor_asym_sam_26_dd_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: 249.764+/-74.877 χ²/NDF: 13.8/15
Left Out: -298.945+/-45.872 χ²/NDF:33.9/23
Right Out: -122.210+/-74.380 χ²/NDF: 15.5/18
Left In: 219.983+/-47.146 χ²/NDF:23.7/22
+ sign -149.205+/-39.115 χ²/NDF: 86.7/39
All: -16.070+/-27.905 χ²/NDF: 164.6/81
- sign 121.906+/-39.820 χ²/NDF: 54.3/41

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

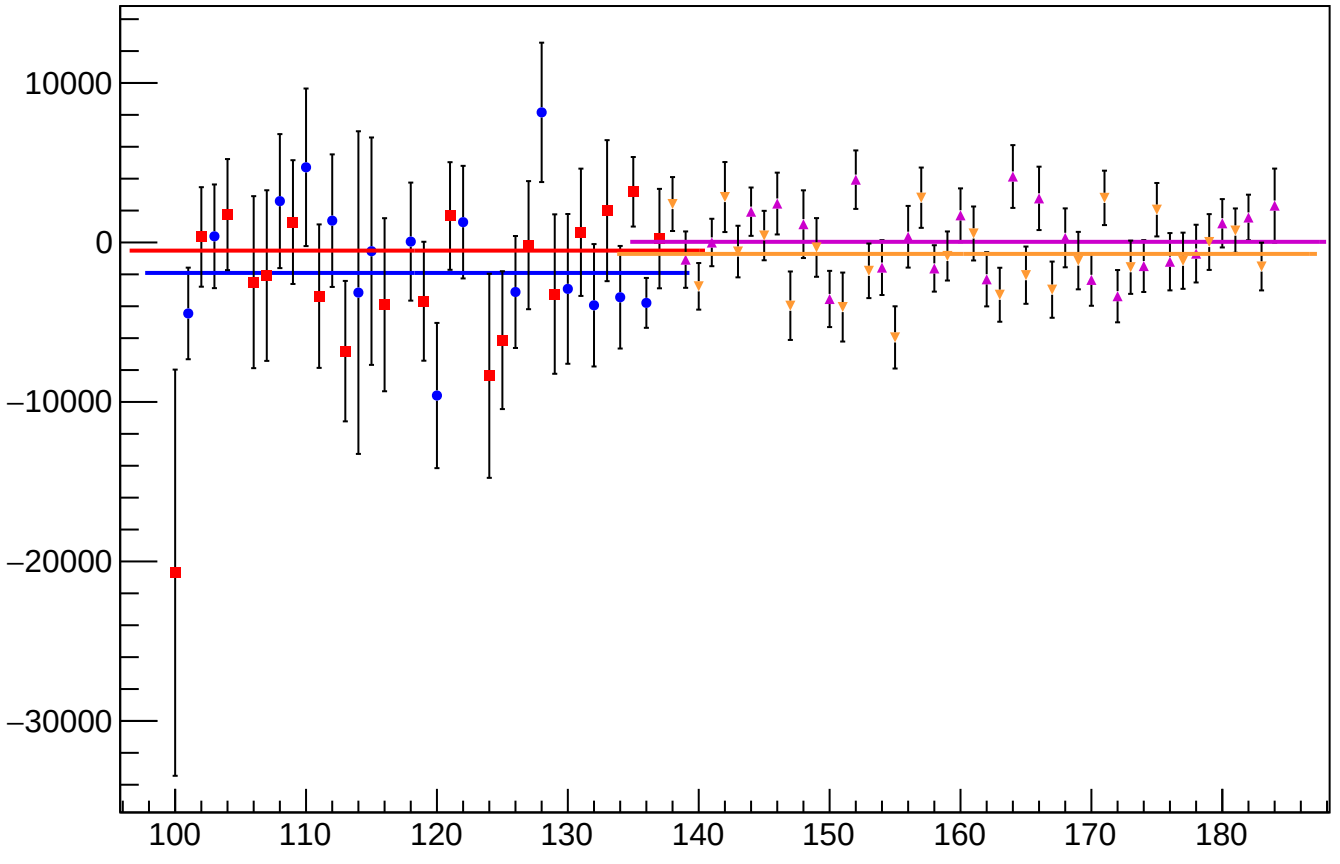
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.044+/-0.028 χ^2/NDF: 381476.3/39

All: 200.690+/-0.020 χ^2/NDF: 759677.0/81

- sign 201.360+/-0.028 χ^2/NDF: 377090.1/41



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

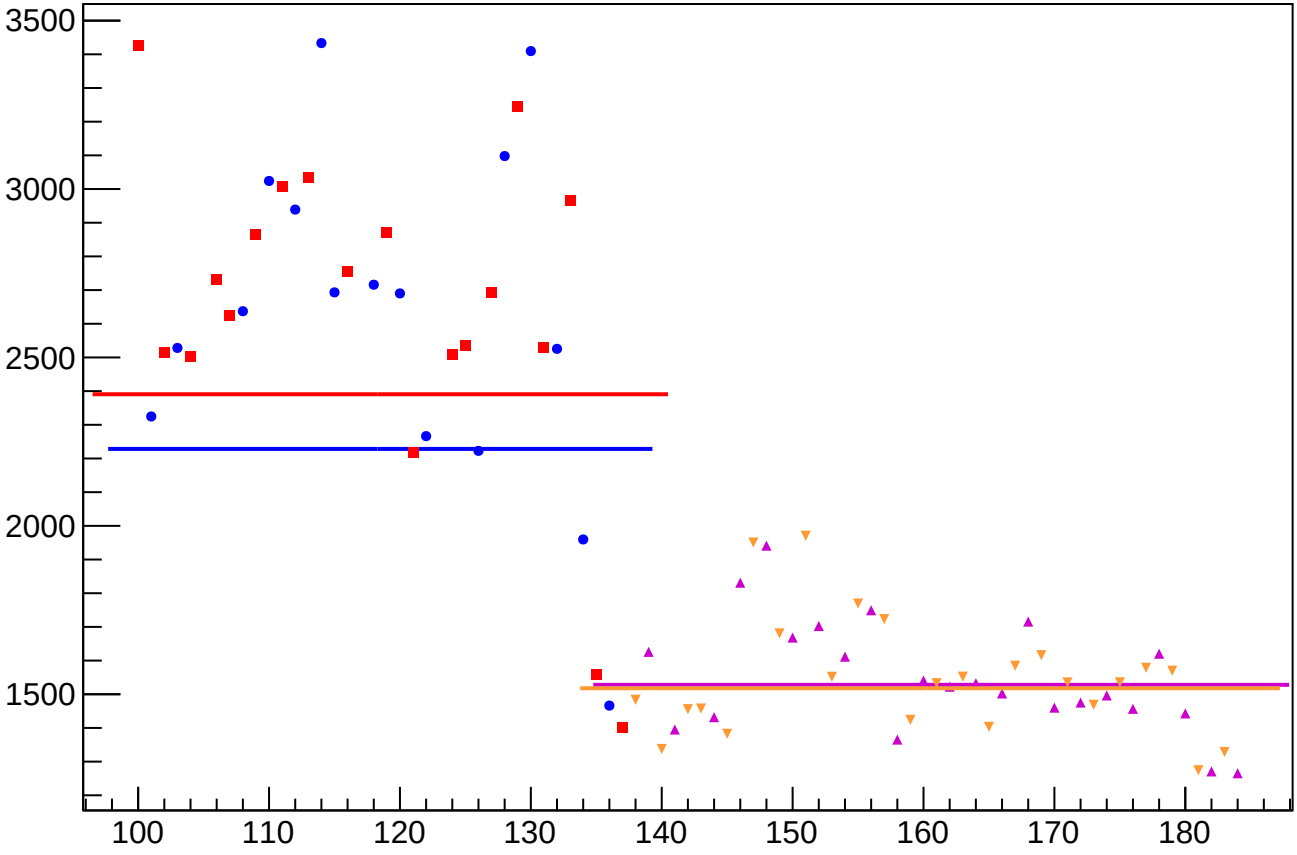
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -887.355+/-324.056 χ^2/NDF: 56.2/39

All: -474.291+/-232.499 χ^2/NDF: 108.5/81

- sign -36.105+/-333.765 χ^2/NDF: 49.0/41

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

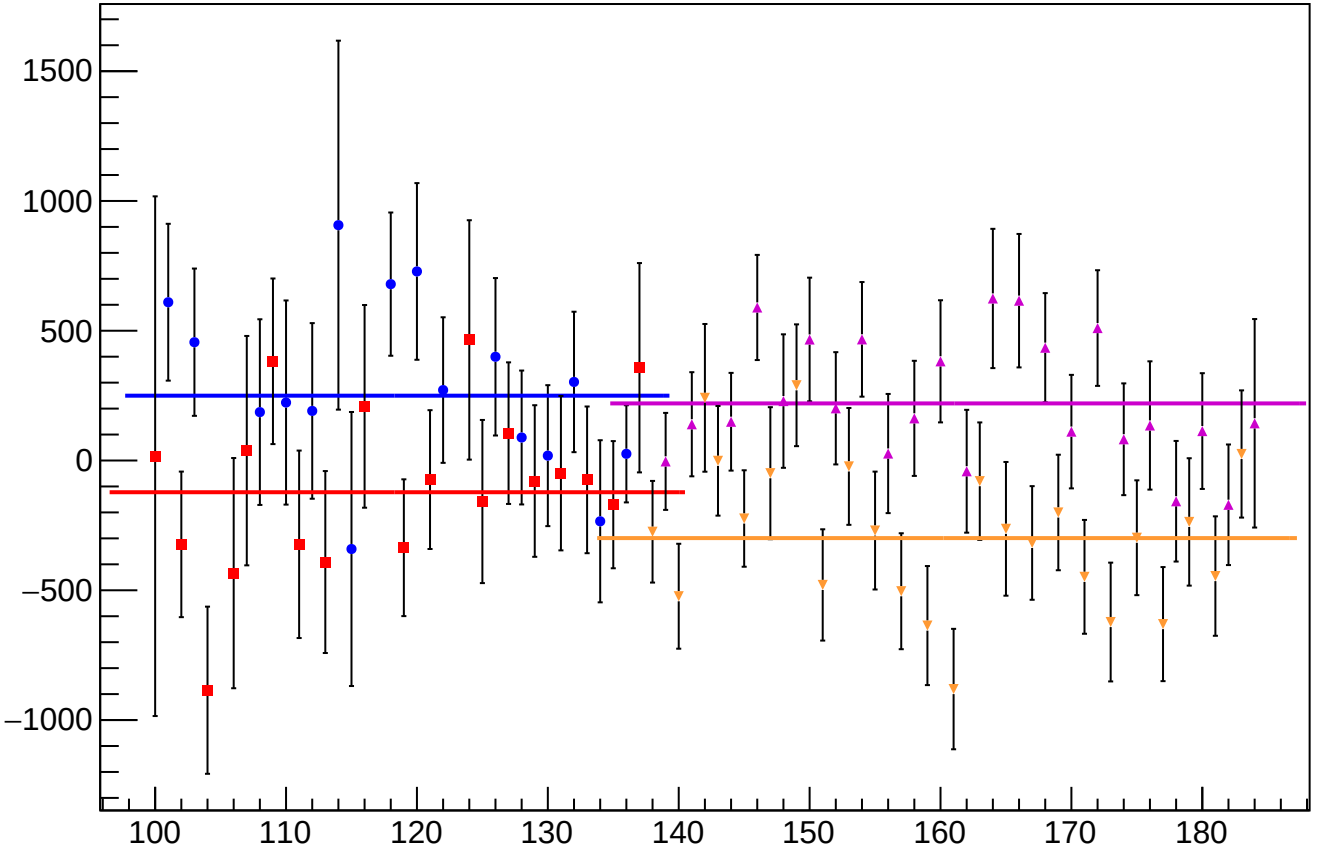
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1618.952+/-0.229 χ^2/NDF: 2539414.4/39

All: 1632.121+/-0.164 χ^2/NDF: 5289291.3/81

- sign 1646.091+/-0.236 χ^2/NDF: 2743069.8/41

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

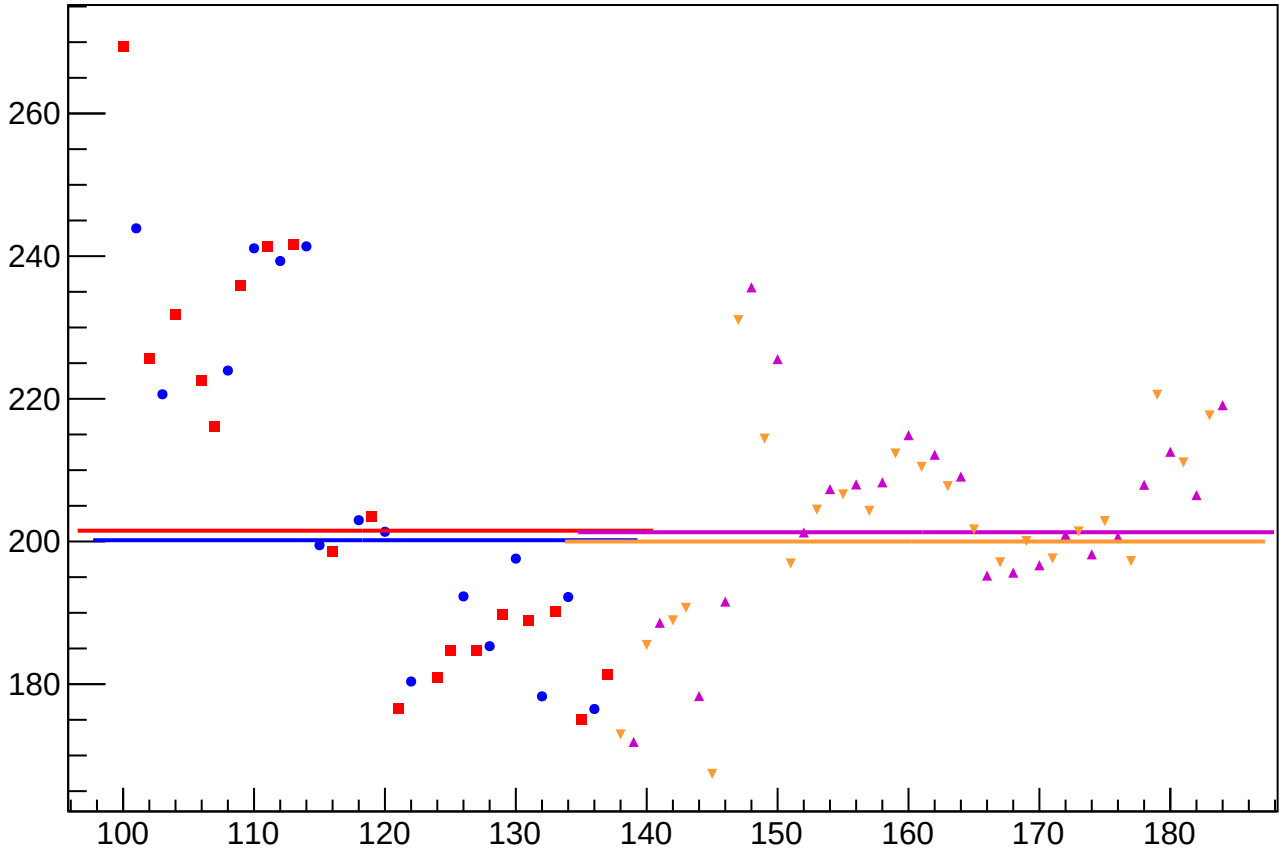
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -149.205+/-39.115 χ^2/NDF: 86.7/39

All: -16.070+/-27.905 χ^2/NDF: 164.6/81

- sign 121.906+/-39.820 χ^2/NDF: 54.3/41

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

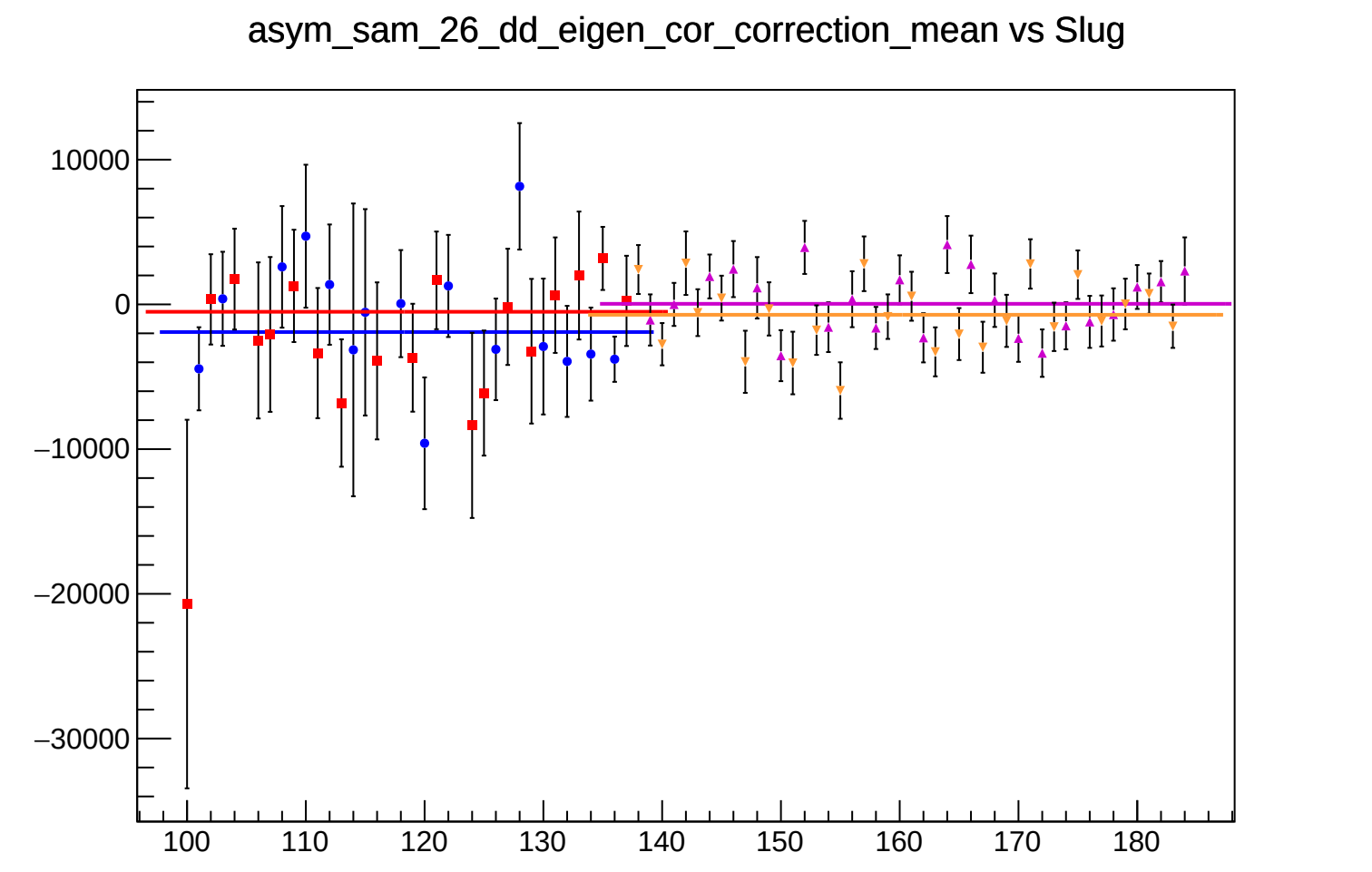
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.044+/-0.028 χ^2/NDF: 381476.3/39

All: 200.690+/-0.020 χ^2/NDF: 759677.0/81

- sign 201.360+/-0.028 χ^2/NDF: 377090.1/41



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -717.656+/-349.904 χ^2/NDF:38.3/23

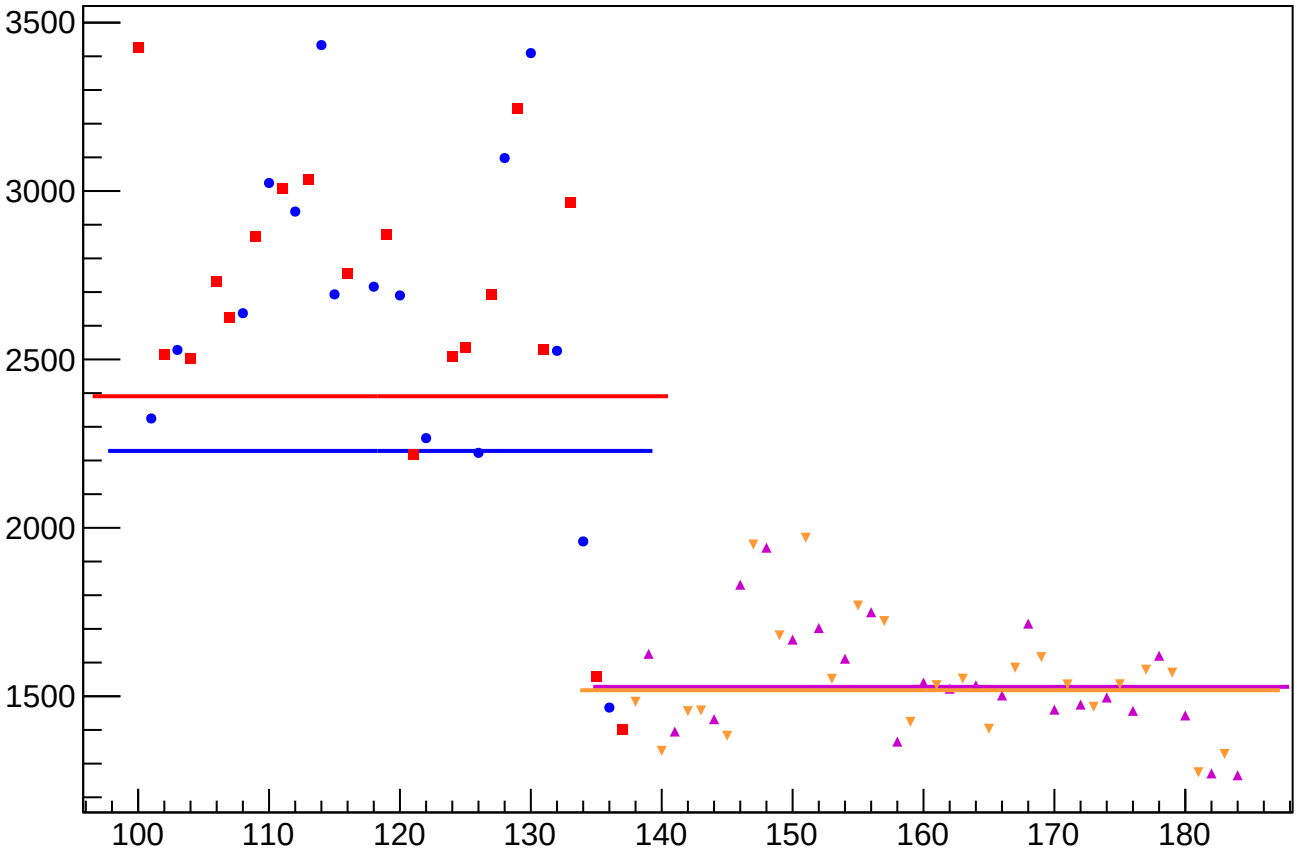
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -887.355+/-324.056 χ^2/NDF: 56.2/39

All: -474.291+/-232.499 χ^2/NDF: 108.5/81

- sign -36.105+/-333.765 χ^2/NDF: 49.0/41



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

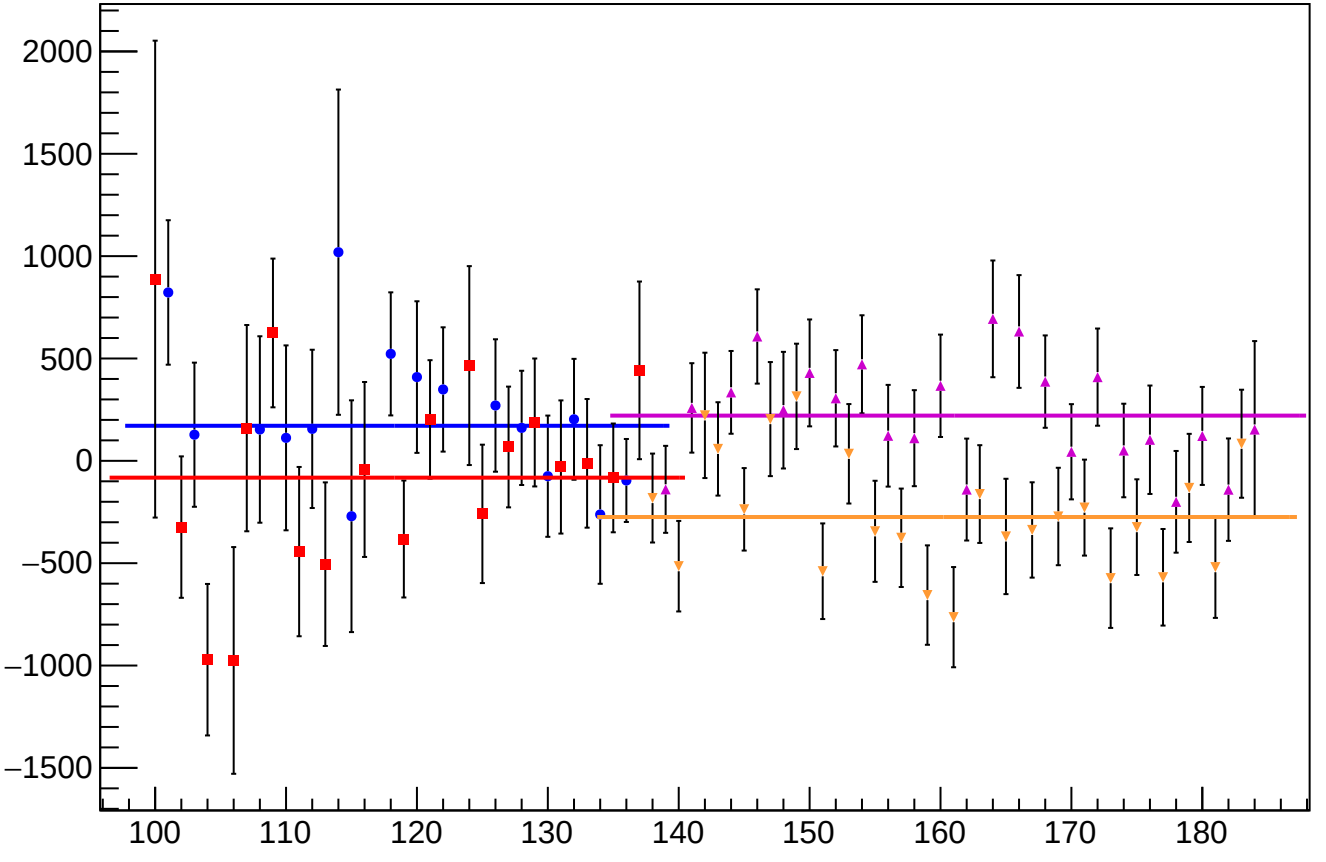
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1618.952+/-0.229 χ^2/NDF: 2539414.4/39

All: 1632.121+/-0.164 χ^2/NDF: 5289291.3/81

- sign 1646.091+/-0.236 χ^2/NDF: 2743069.8/41

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

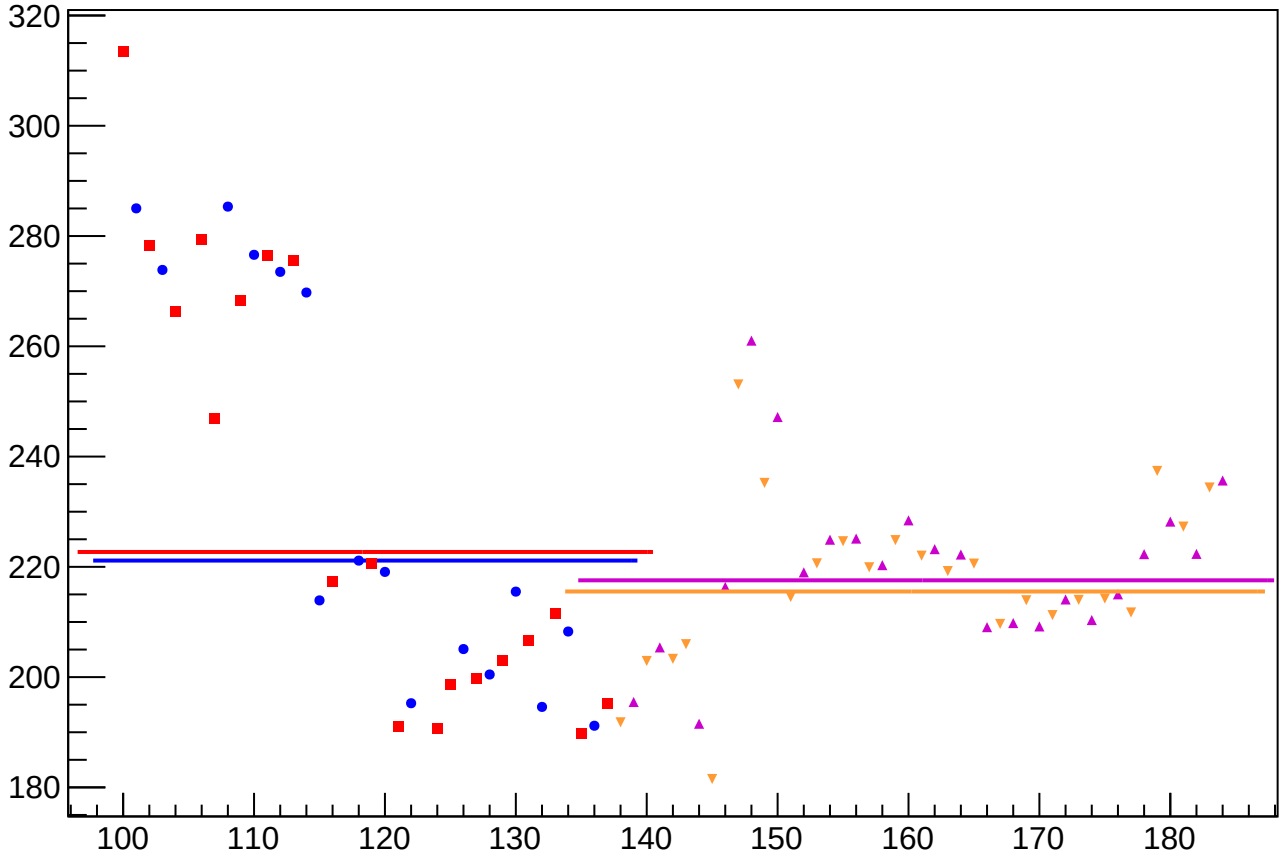
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -158.006+/-42.482 χ^2/NDF: 63.4/39

All: -13.373+/-30.345 χ^2/NDF: 141.8/81

- sign 137.301+/-43.360 χ^2/NDF: 54.7/41

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

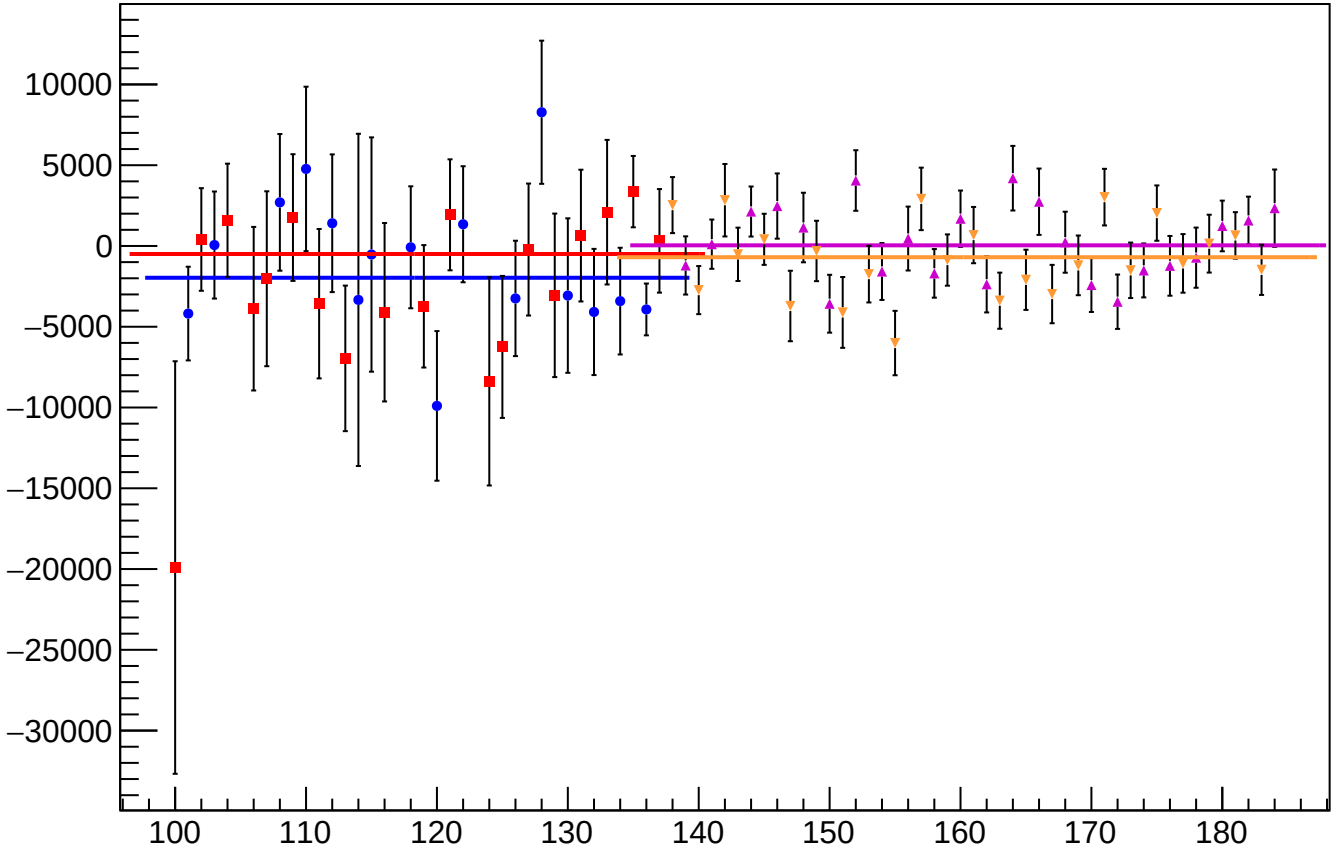
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 216.997+/-0.030 χ^2/NDF: 508413.8/39

All: 217.965+/-0.021 χ^2/NDF: 1004254.5/81

- sign 218.974+/-0.031 χ^2/NDF: 493719.5/41

asym_sam_26_dd_dit_correction_mean vs Slug



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

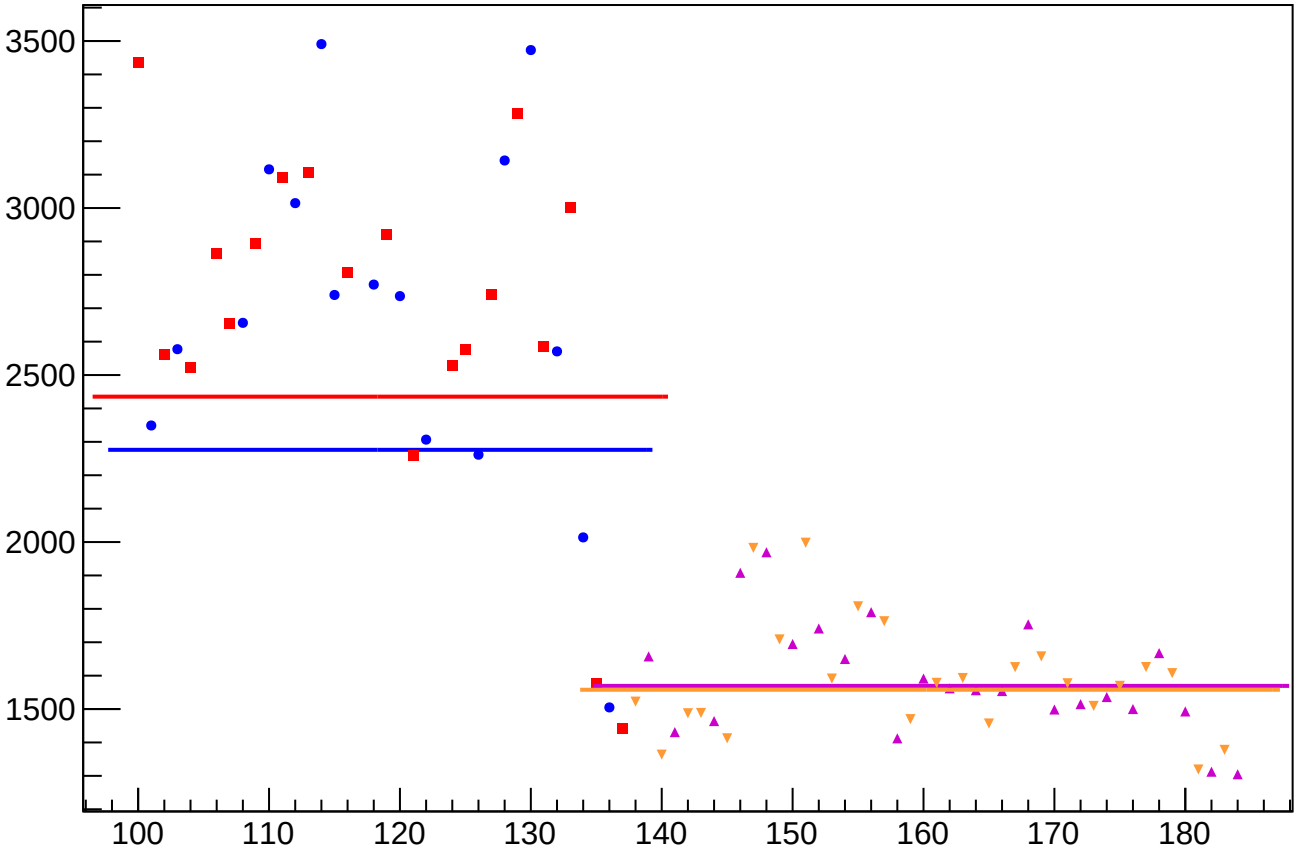
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -878.669+/-332.150 χ^2/NDF: 55.5/39

All: -469.504+/-238.307 χ^2/NDF: 108.1/81

- sign -35.441+/-342.106 χ^2/NDF: 49.4/41

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

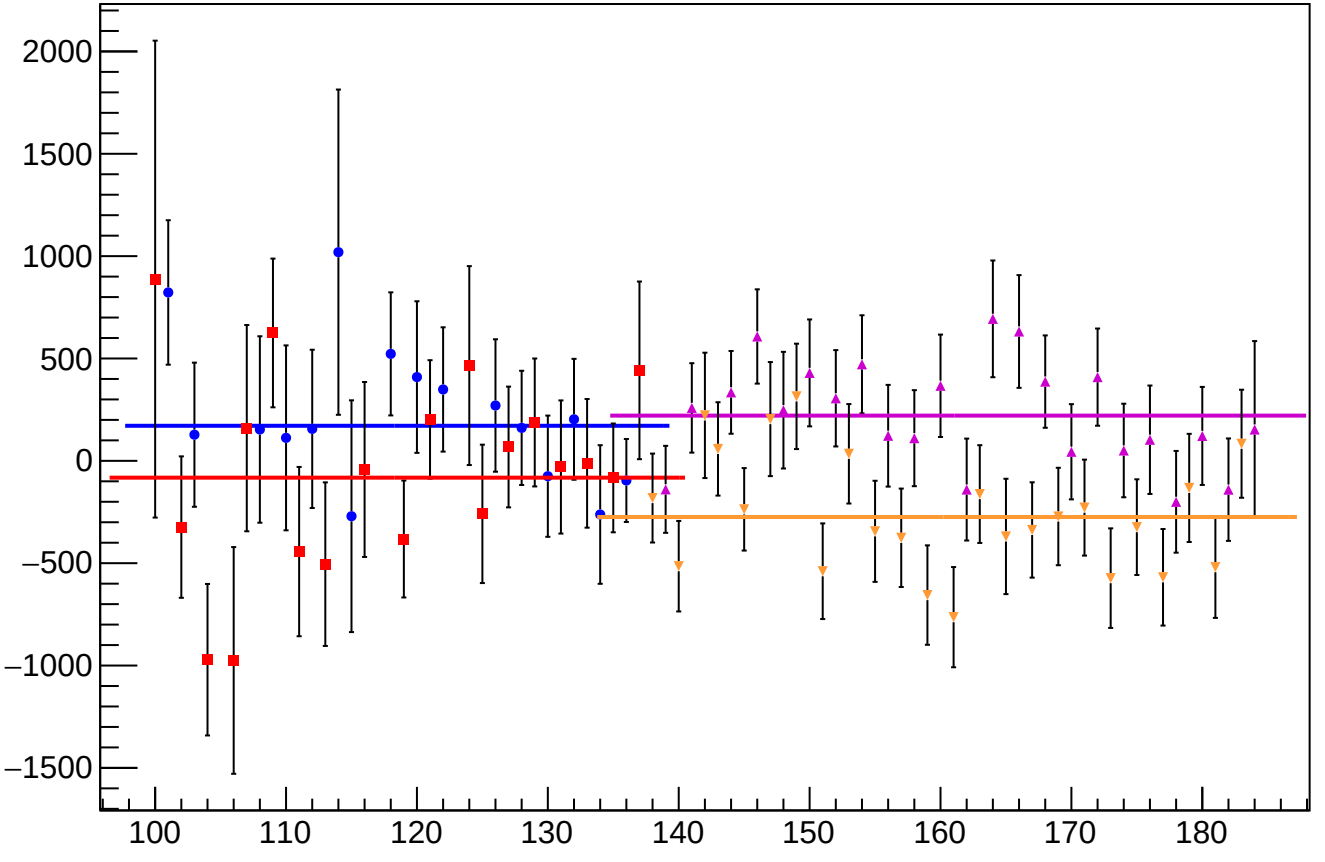
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1660.922+/-0.235 χ^2/NDF: 2468629.7/39

All: 1675.276+/-0.169 χ^2/NDF: 5166990.0/81

- sign 1690.502+/-0.242 χ^2/NDF: 2690663.7/41

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

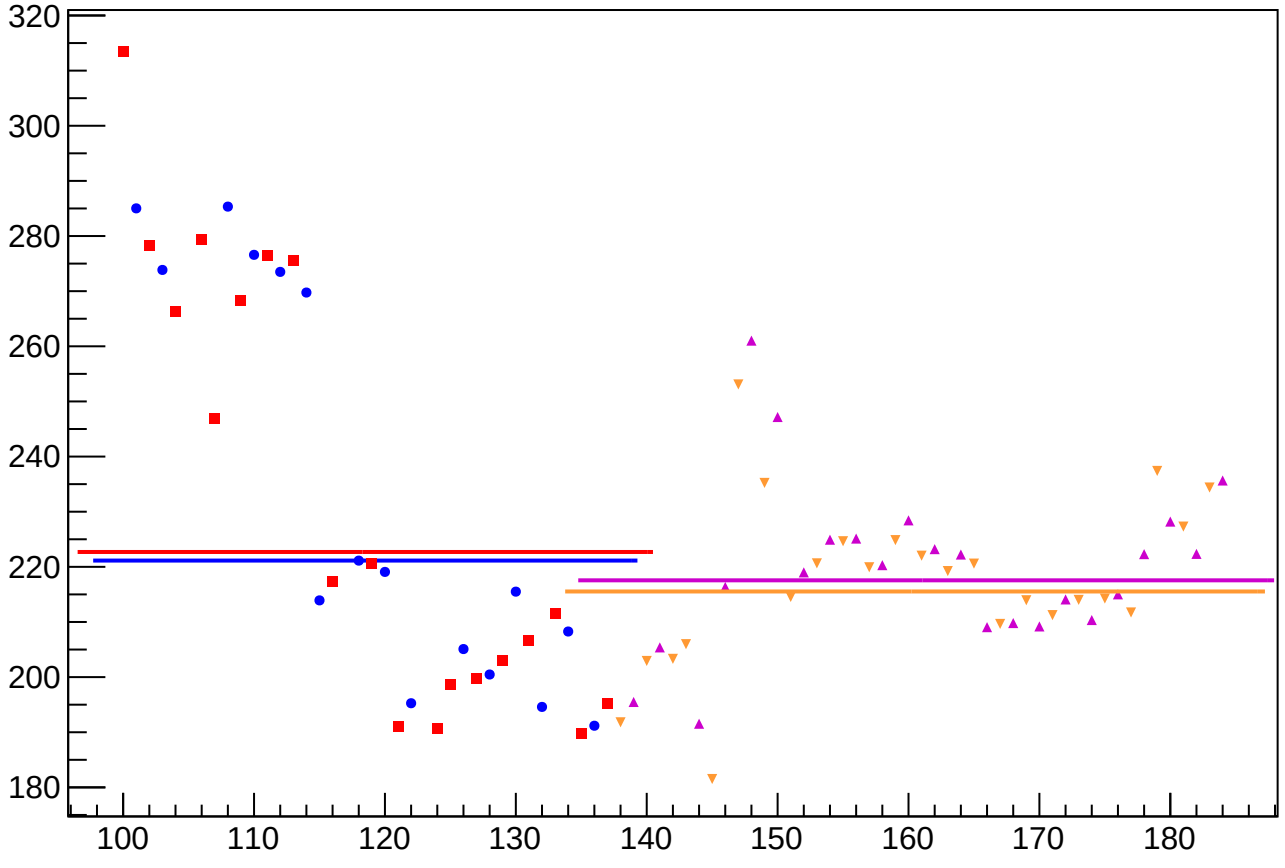
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -158.006+/-42.481 χ^2/NDF: 63.4/39

All: -13.373+/-30.345 χ^2/NDF: 141.8/81

- sign 137.301+/-43.359 χ^2/NDF: 54.7/41

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

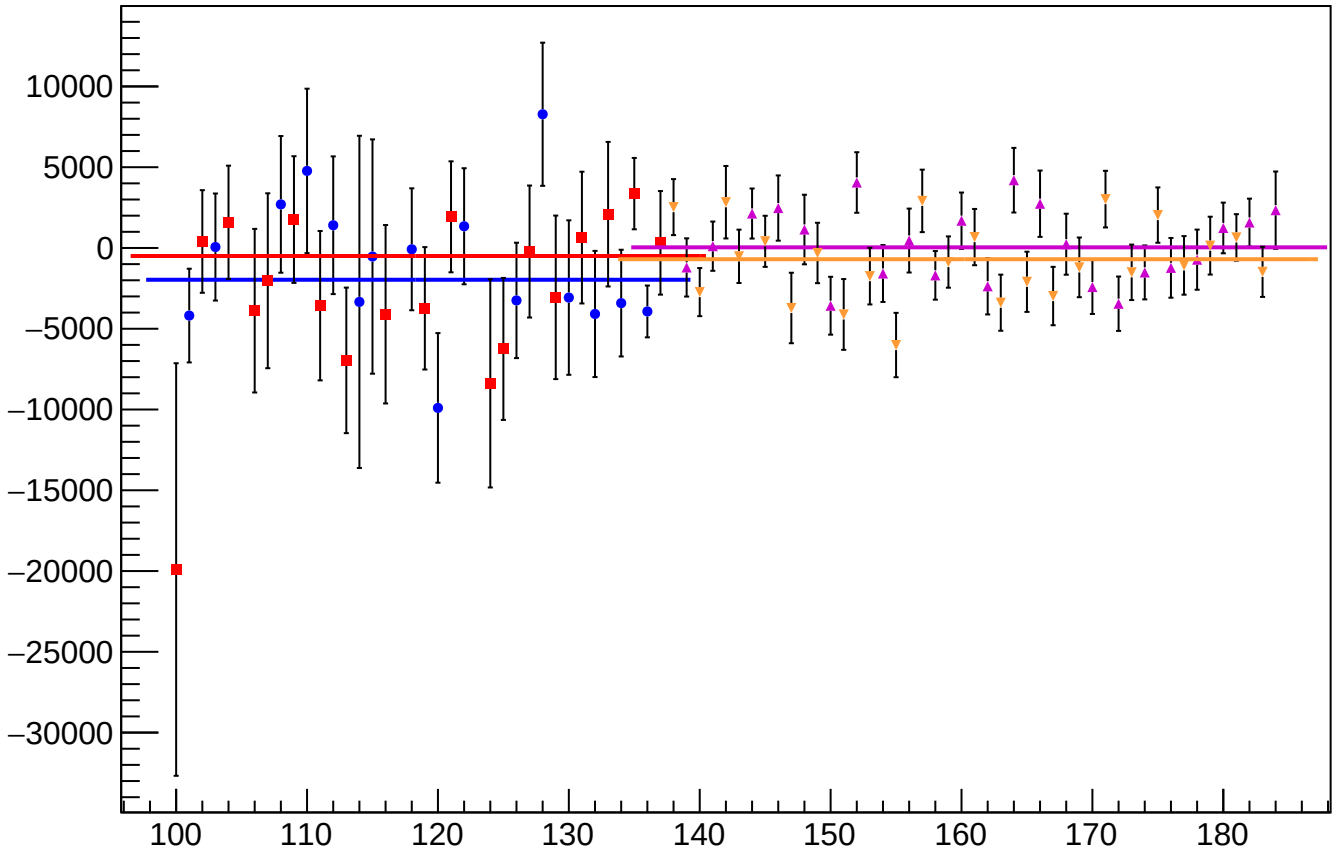
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 216.996+/-0.030 χ^2/NDF: 508410.2/39

All: 217.965+/-0.021 χ^2/NDF: 1004244.8/81

- sign 218.973+/-0.031 χ^2/NDF: 493713.5/41



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

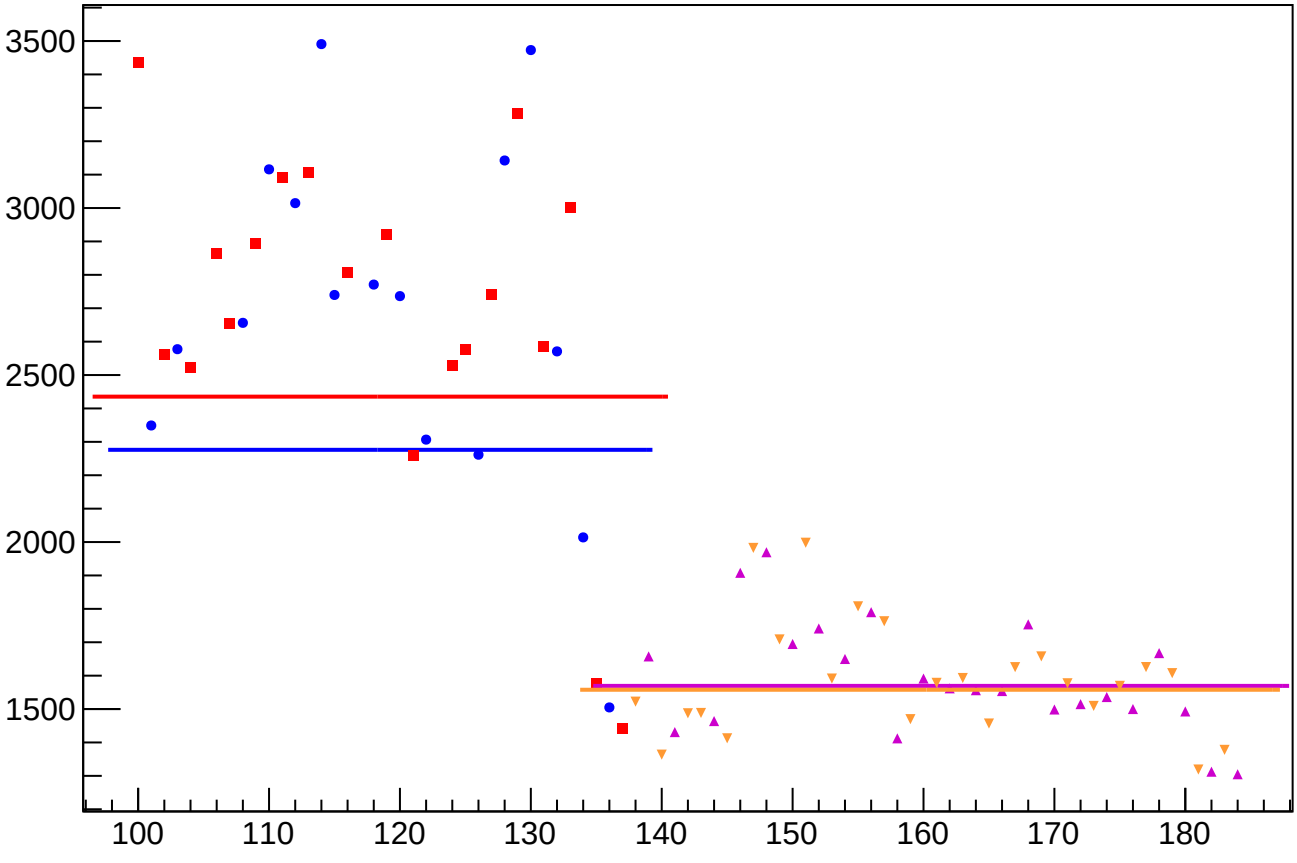
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -878.670+/-332.150 χ^2/NDF: 55.5/39

All: -469.505+/-238.307 χ^2/NDF: 108.1/81

- sign -35.442+/-342.106 χ^2/NDF: 49.4/41

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

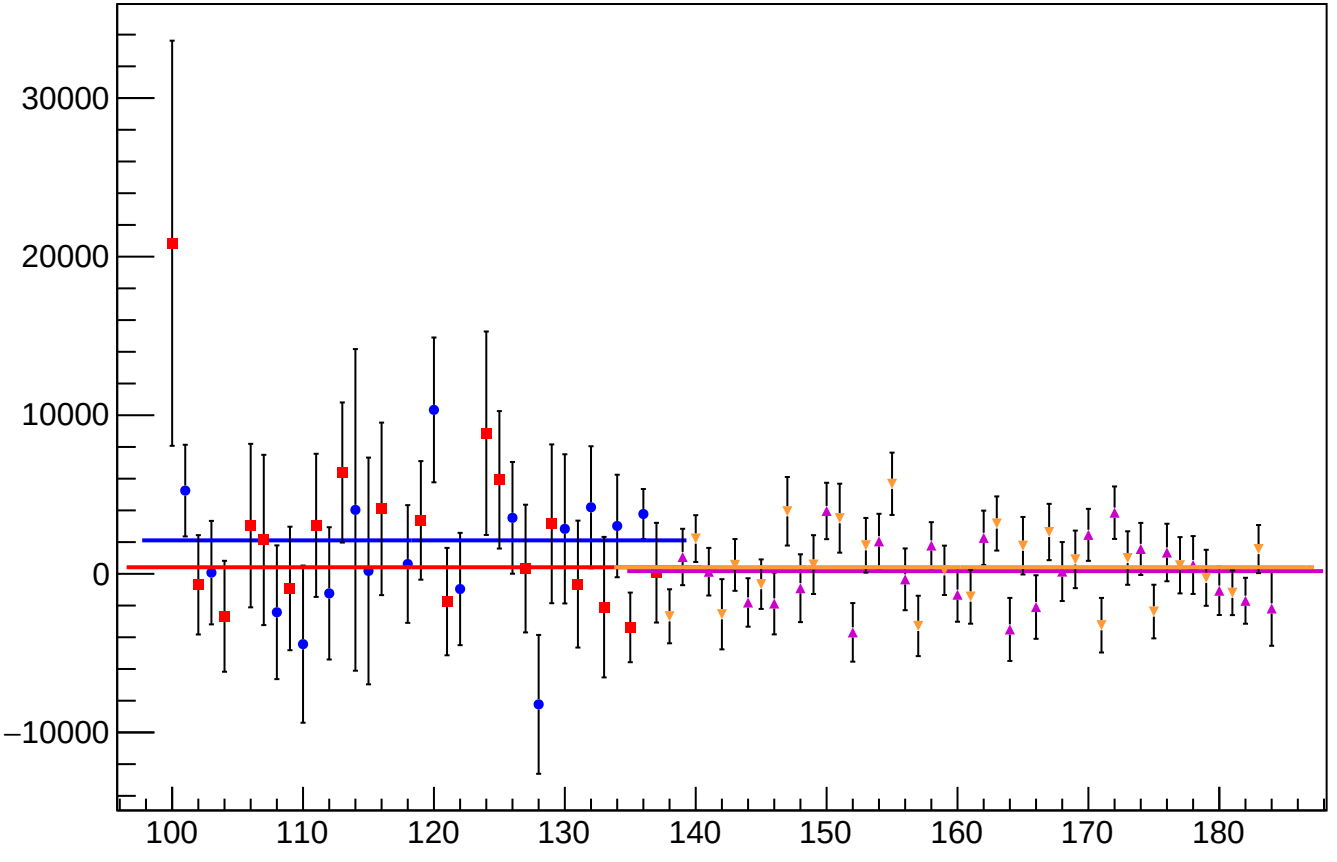
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1660.923+/-0.235 χ^2/NDF: 2468616.4/39

All: 1675.276+/-0.169 χ^2/NDF: 5166964.7/81

- sign 1690.502+/-0.242 χ^2/NDF: 2690651.9/41

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

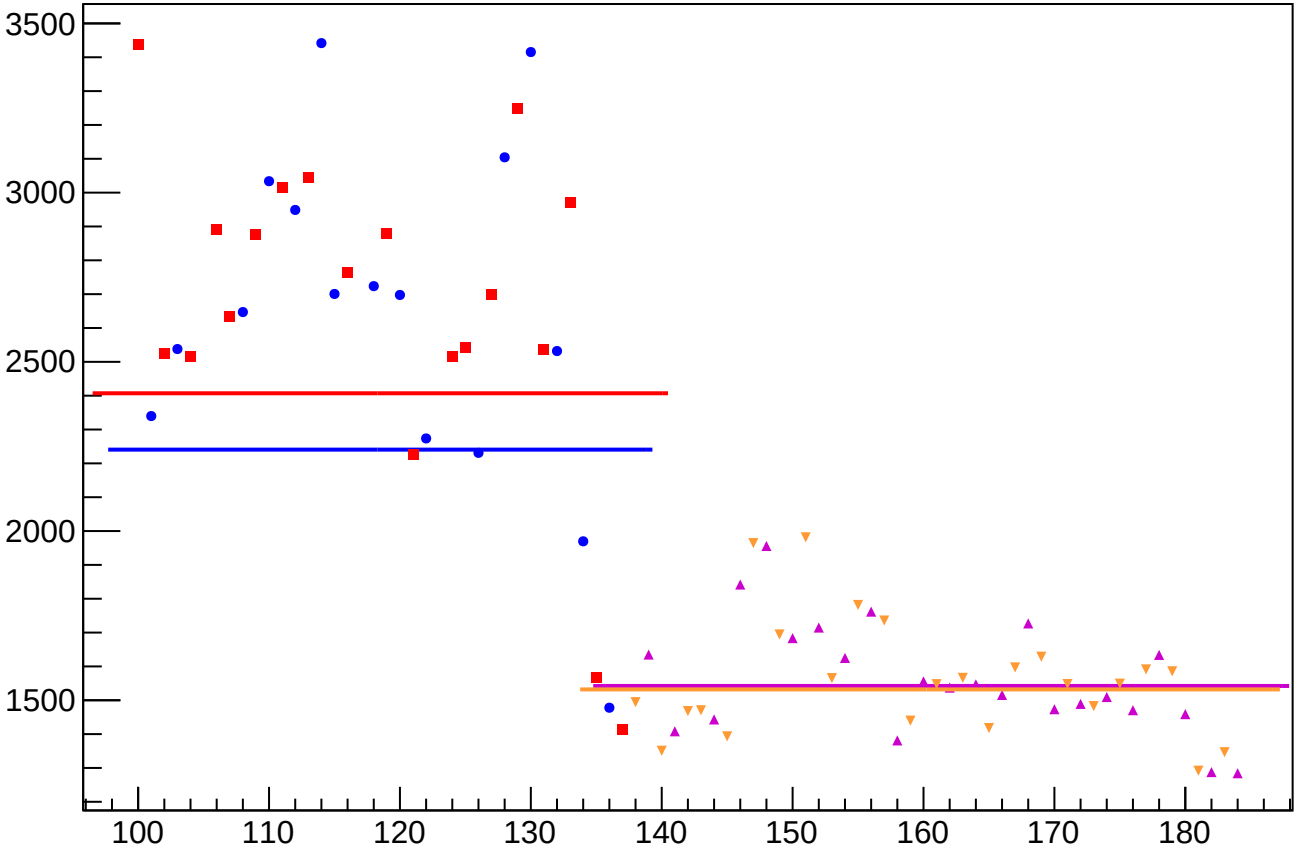
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 663.216+/-326.817 χ^2/NDF: 58.7/39

All: 440.150+/-234.449 χ^2/NDF: 107.3/81

- sign 203.645+/-336.518 χ^2/NDF: 47.7/41

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

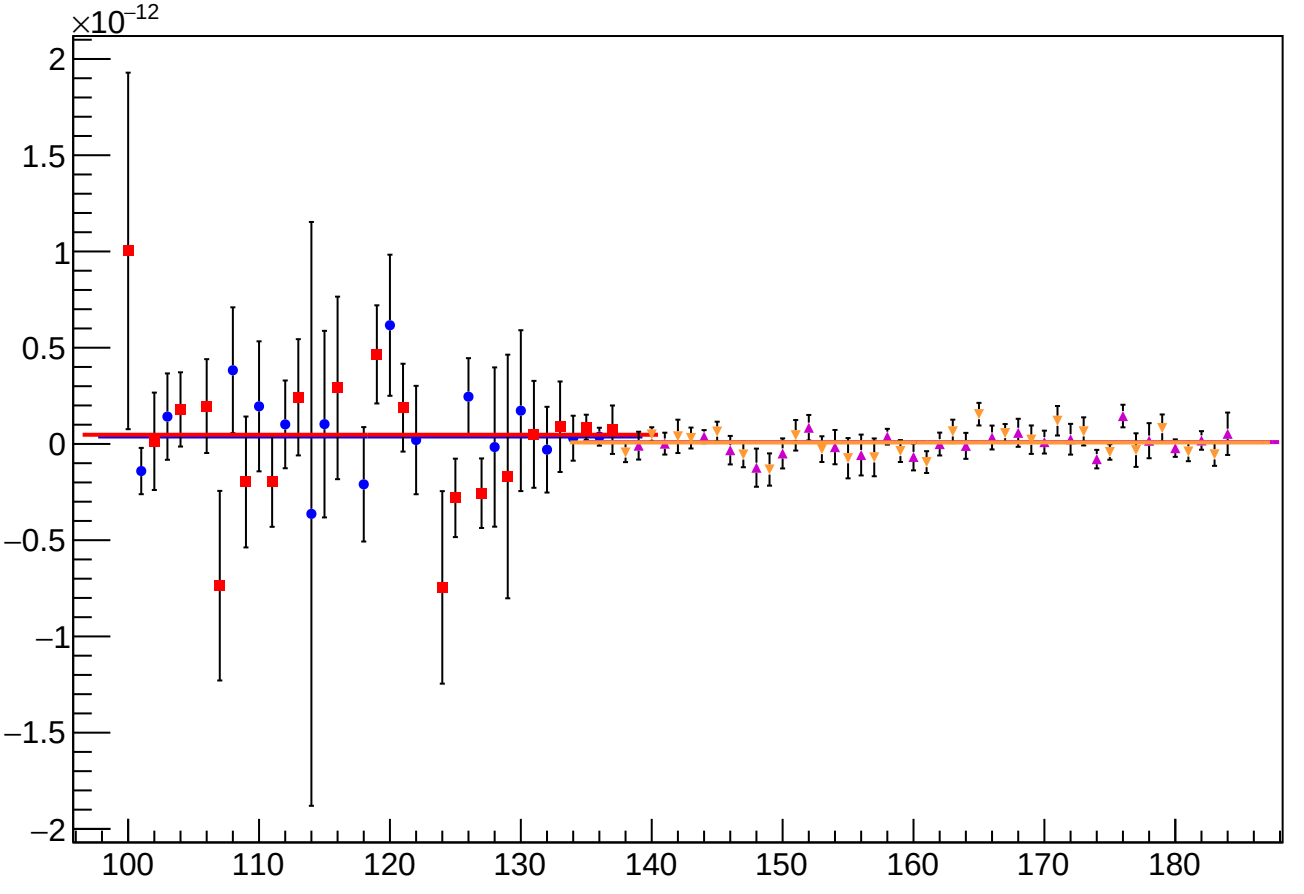
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1633.589+/-0.231 χ^2/NDF: 2494549.2/39

All: 1647.379+/-0.166 χ^2/NDF: 5228843.1/81

- sign 1662.000+/-0.238 χ^2/NDF: 2726957.7/41

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

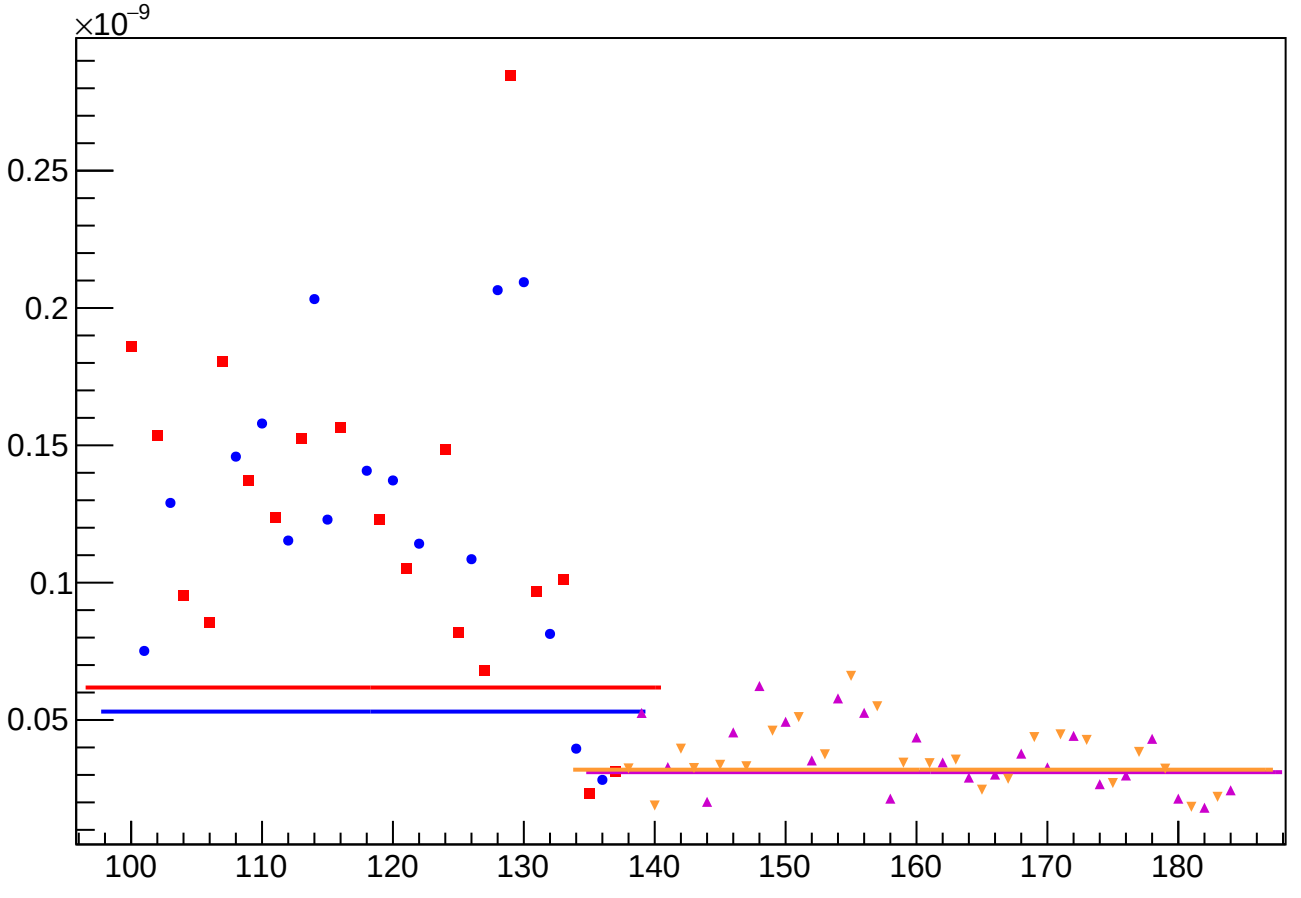
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/39

All: 0.000+/-0.000 χ^2/NDF: 74.0/81

- sign 0.000+/-0.000 χ^2/NDF: 36.0/41



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

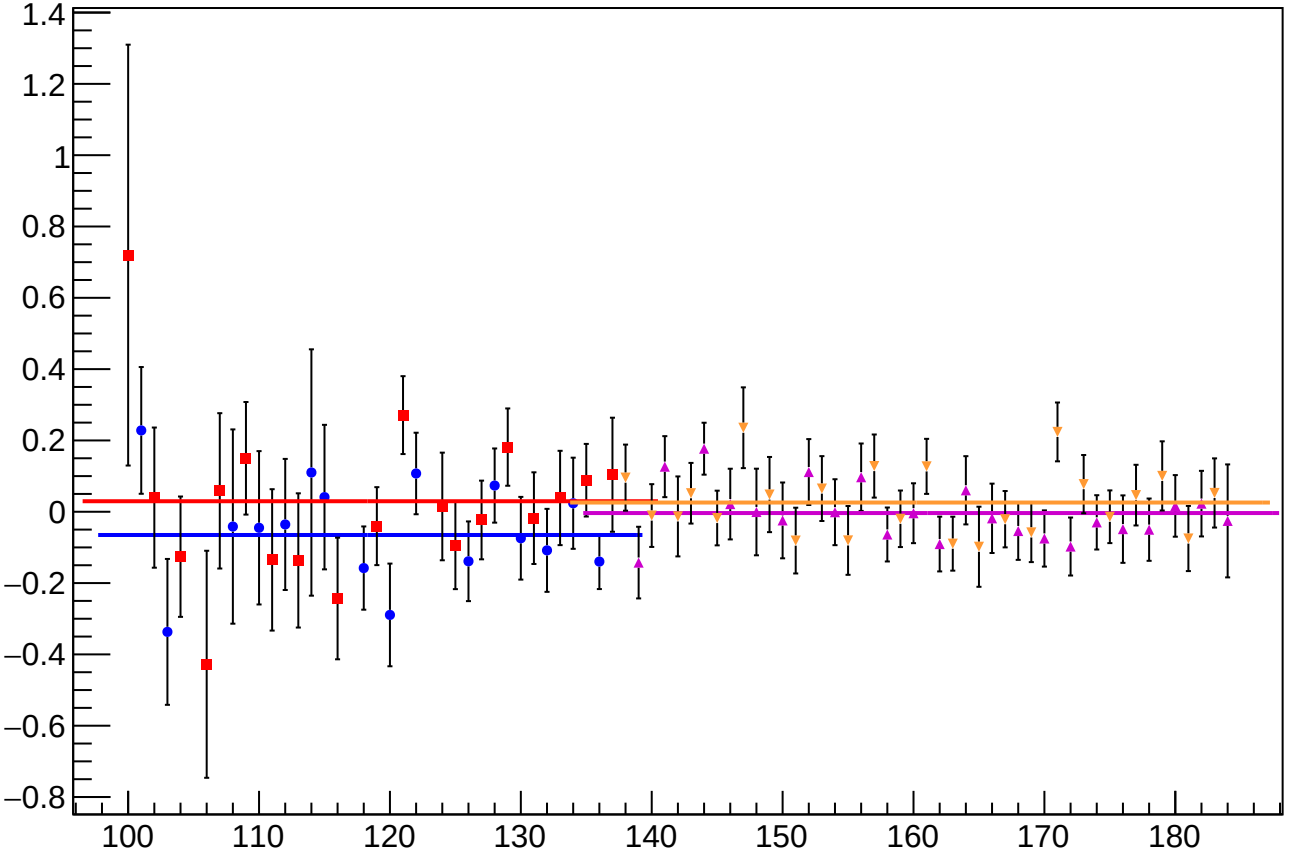
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4403679.5/39

All: 0.000+/-0.000 χ^2/NDF: 9348627.7/81

- sign 0.000+/-0.000 χ^2/NDF: 4942005.6/41

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

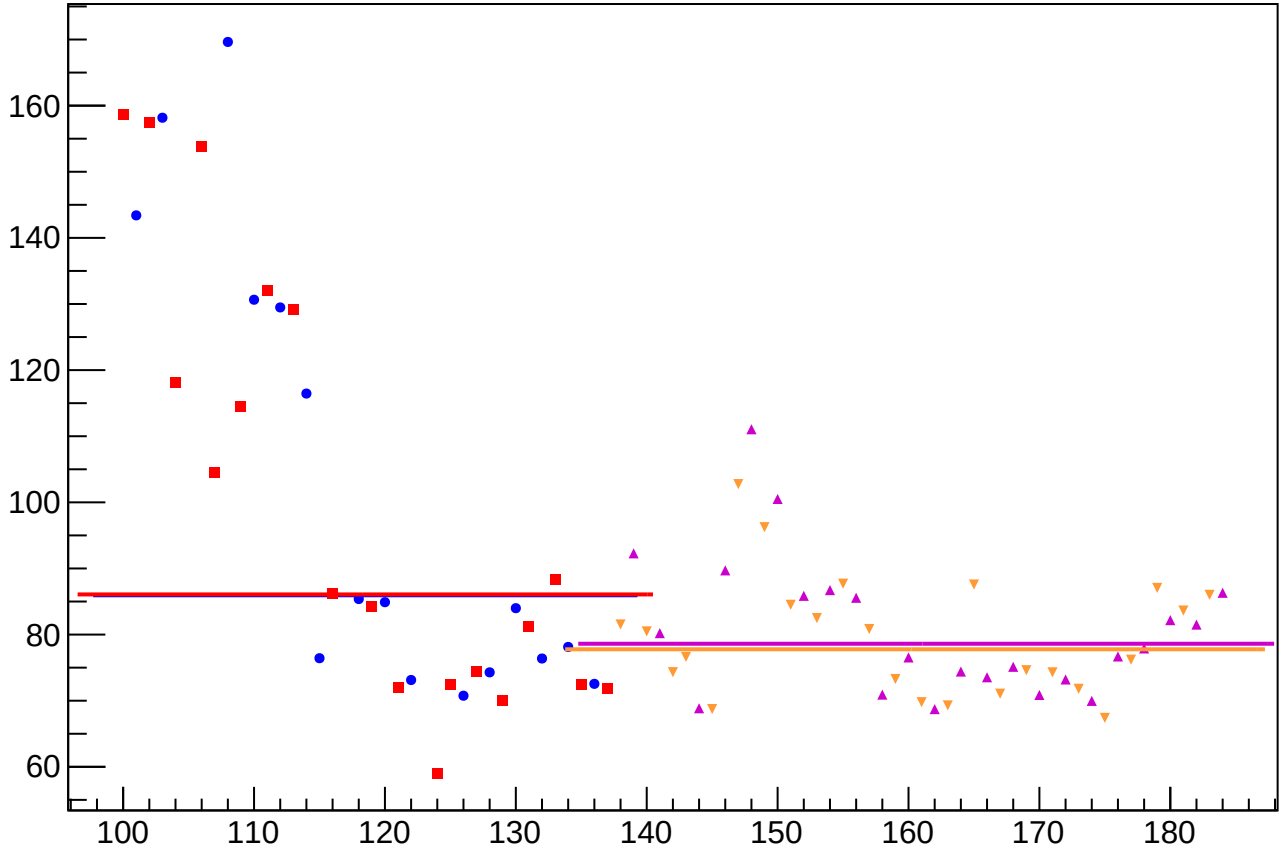
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 44.2/39

All: 0.005+/-0.011 χ^2/NDF: 81.9/81

- sign 0.004+/-0.016 χ^2/NDF: 37.7/41

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

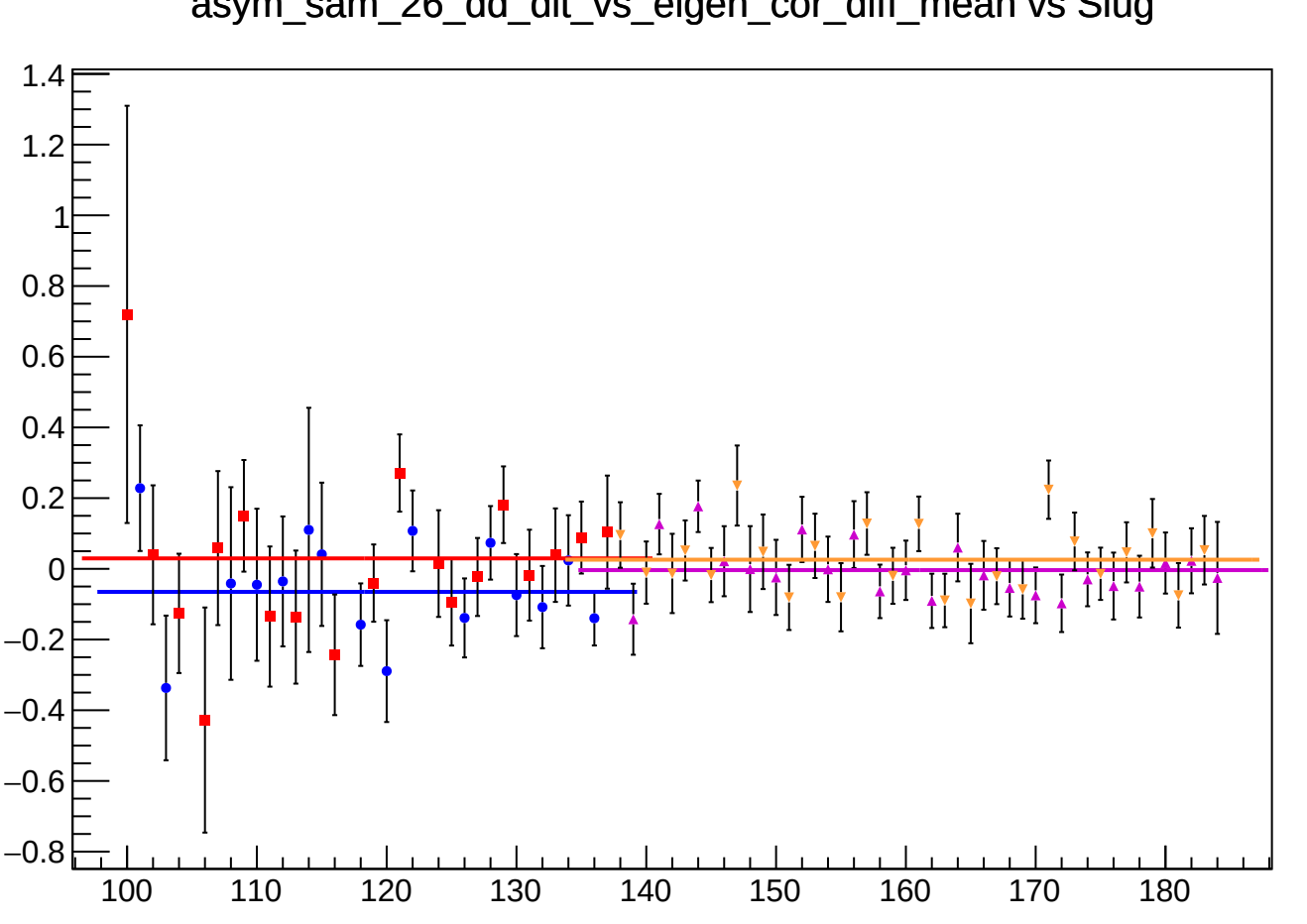
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 79.610+/-0.011 χ^2/NDF: 1542730.3/39

All: 80.001+/-0.008 χ^2/NDF: 3112143.9/81

\- sign 80.411+/-0.011 χ^2/NDF: 1566900.7/41



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.018 χ^2/NDF:24.2/23

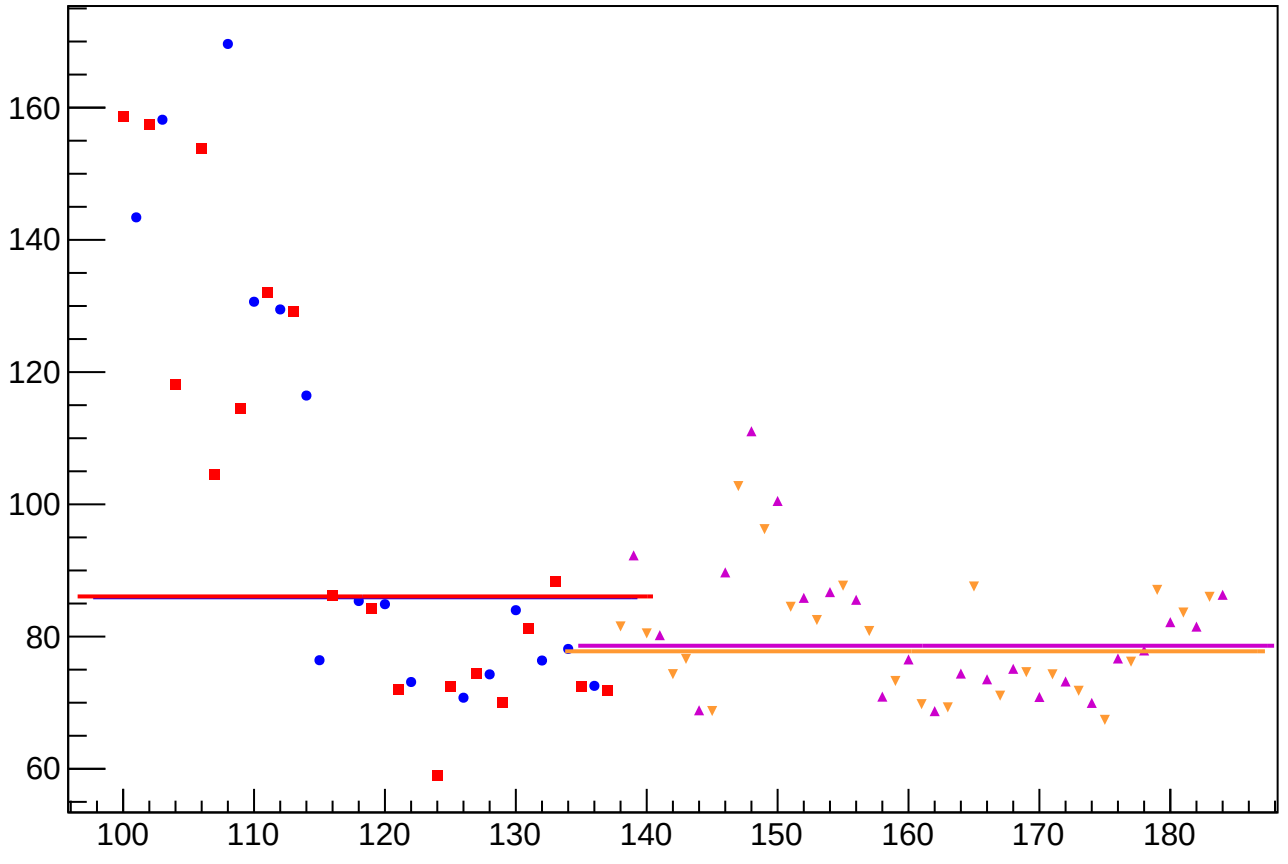
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 44.2/39

All: 0.005+/-0.011 χ^2/NDF: 81.9/81

- sign 0.004+/-0.016 χ^2/NDF: 37.7/41



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.774+/-0.013 χ^2/NDF:414387.2/23

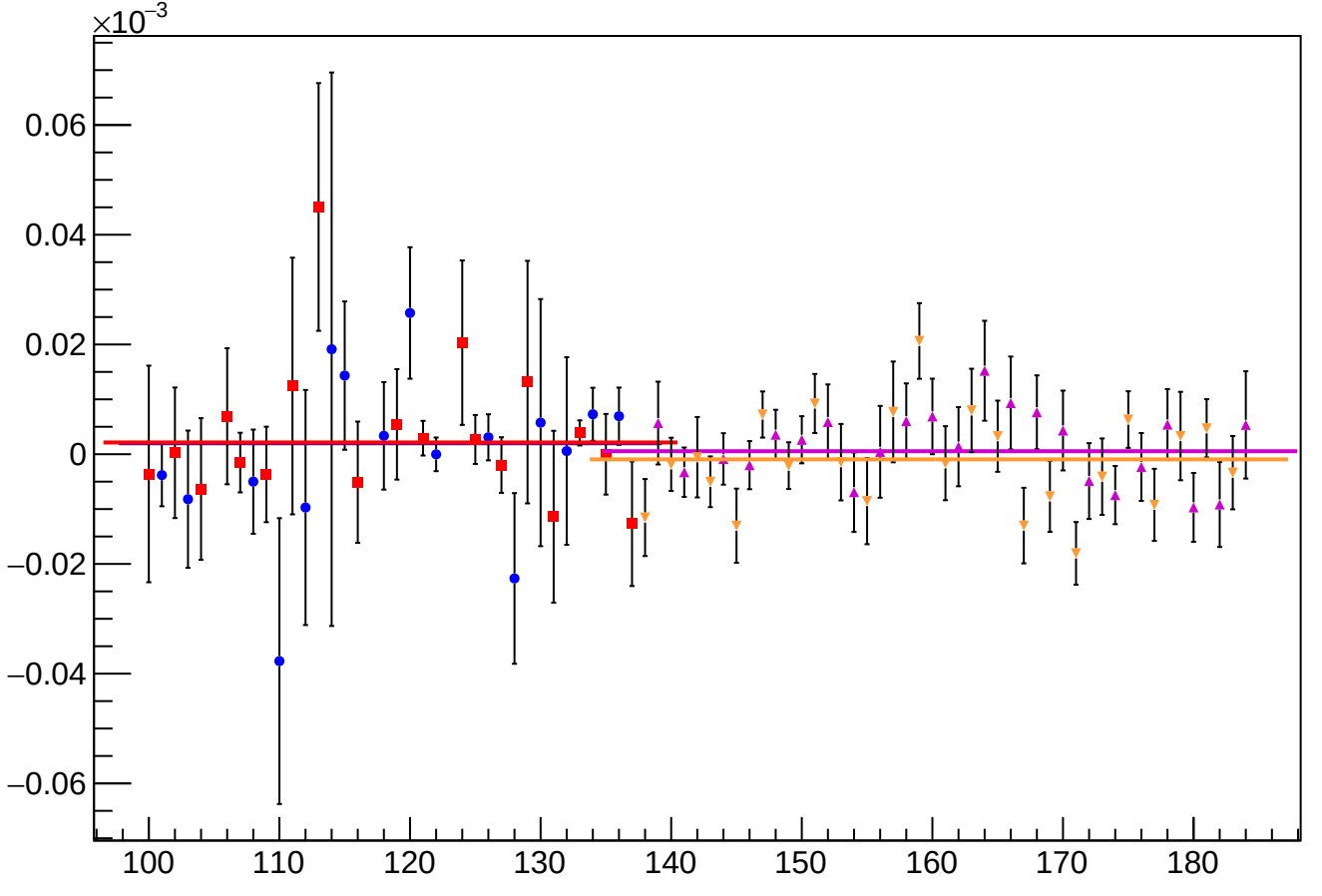
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 79.610+/-0.011 χ^2/NDF: 1542730.3/39

All: 80.001+/-0.008 χ^2/NDF: 3112143.9/81

- sign 80.411+/-0.011 χ^2/NDF: 1566900.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.6/23

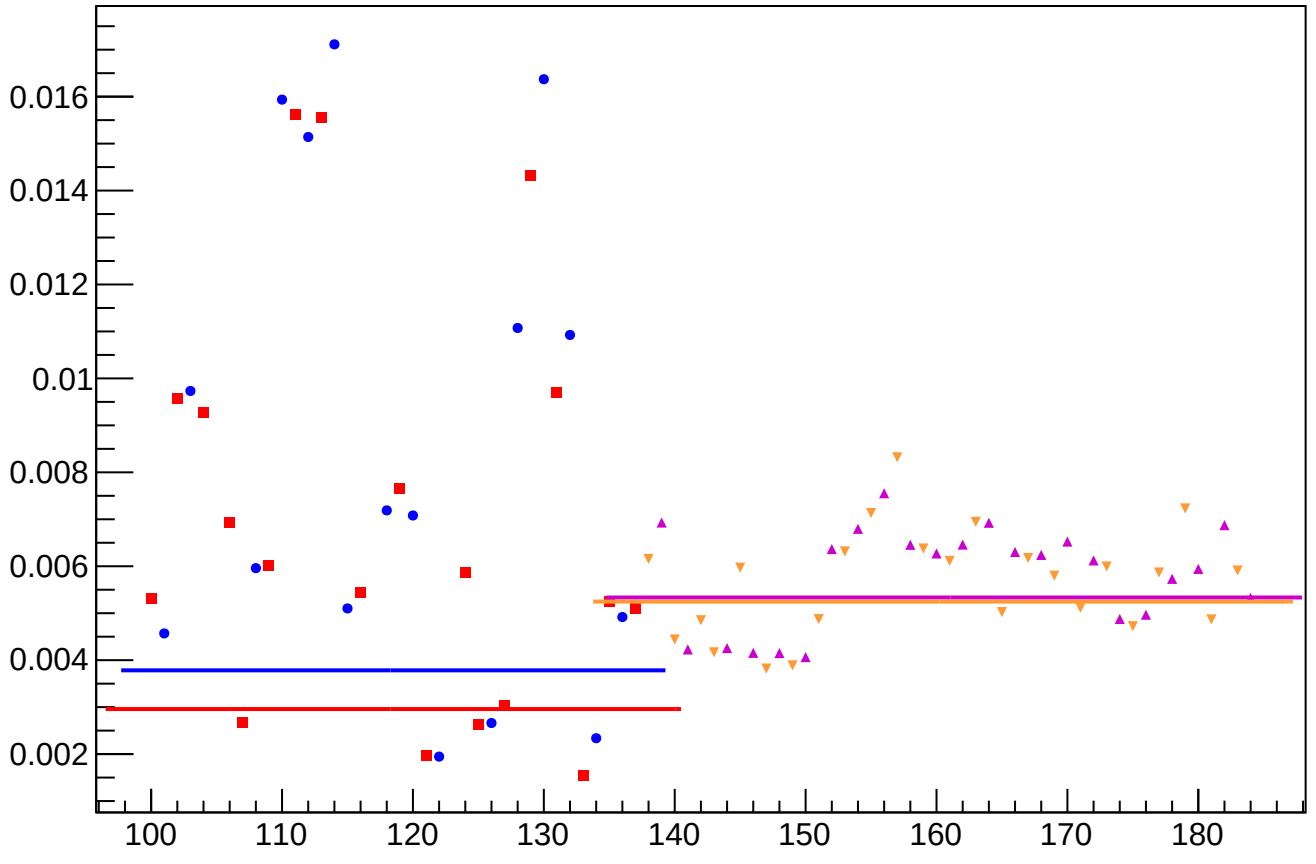
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/39

All: 0.000+/-0.000 χ^2/NDF: 94.1/81

- sign 0.000+/-0.000 χ^2/NDF: 30.9/41



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1509657.8/23

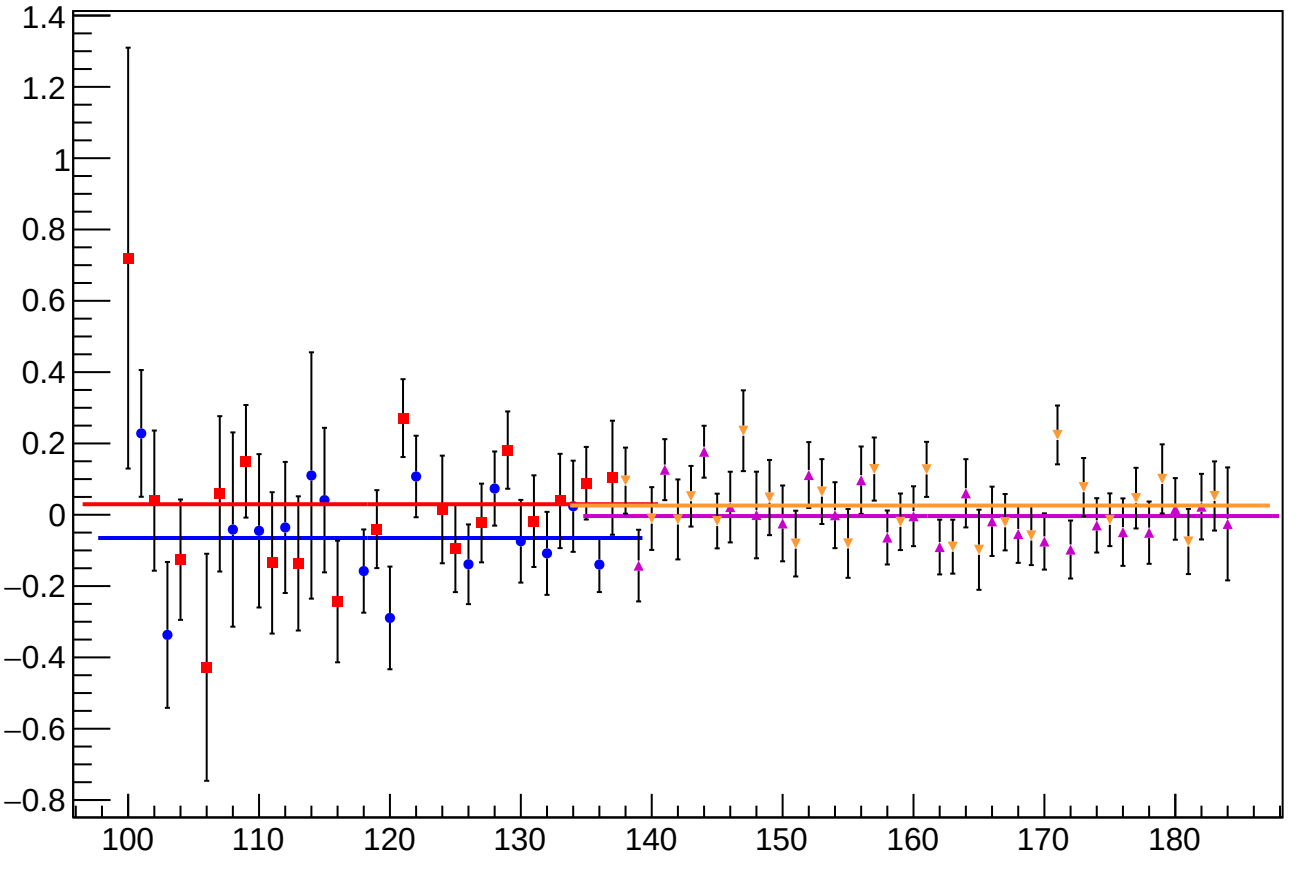
Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7142298.6/39

All: 0.004+/-0.000 χ^2/NDF: 17597336.5/81

- sign 0.004+/-0.000 χ^2/NDF: 10185263.6/41



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.018 χ^2/NDF:24.2/23

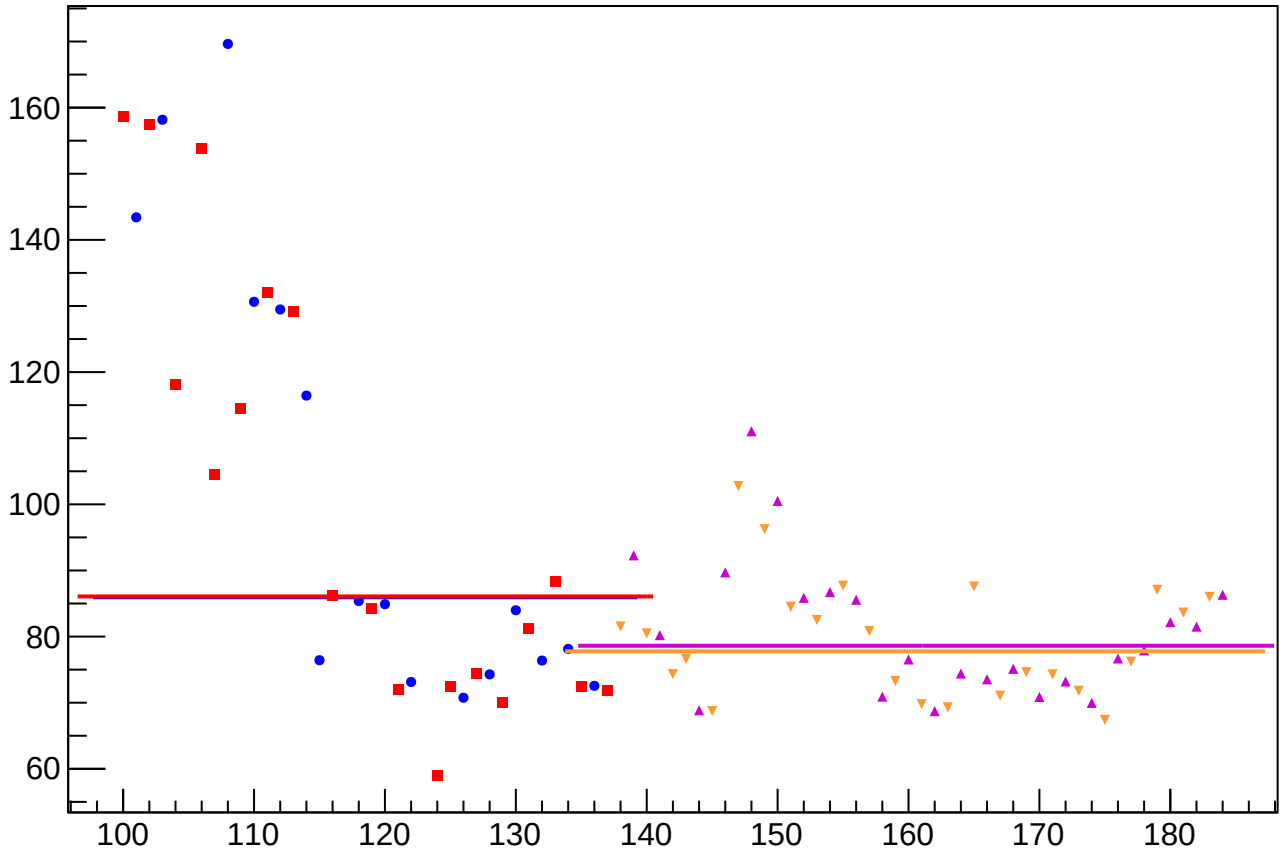
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 44.1/39

All: 0.005+/-0.011 χ^2/NDF: 81.9/81

- sign 0.004+/-0.016 χ^2/NDF: 37.7/41



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.773+/-0.013 χ^2/NDF:414425.9/23

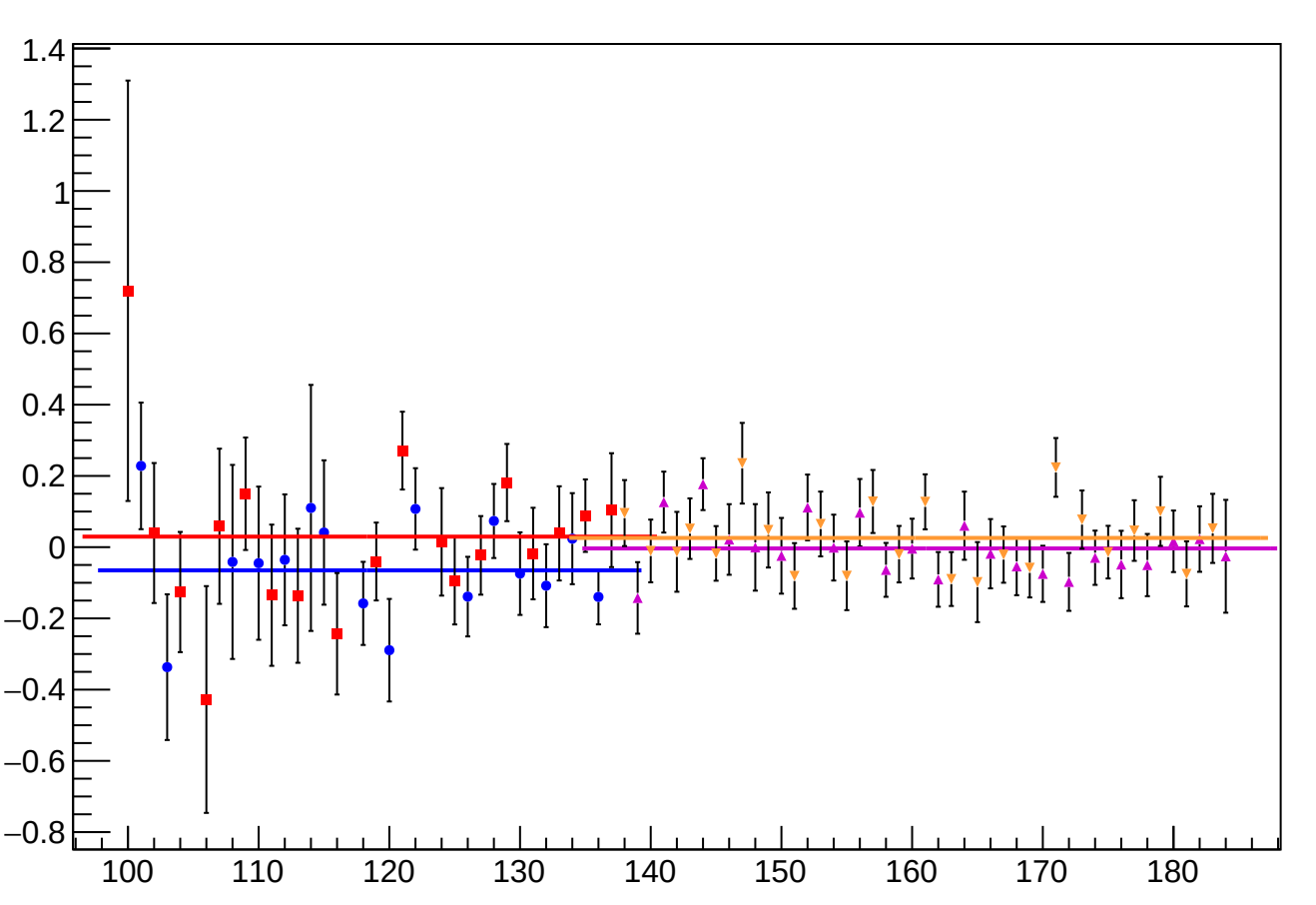
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.609+/-0.011 χ^2/NDF: 1542708.3/39

All: 80.000+/-0.008 χ^2/NDF: 3112125.5/81

- sign 80.410+/-0.011 χ^2/NDF: 1566905.5/41



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.018 χ^2/NDF:24.2/23

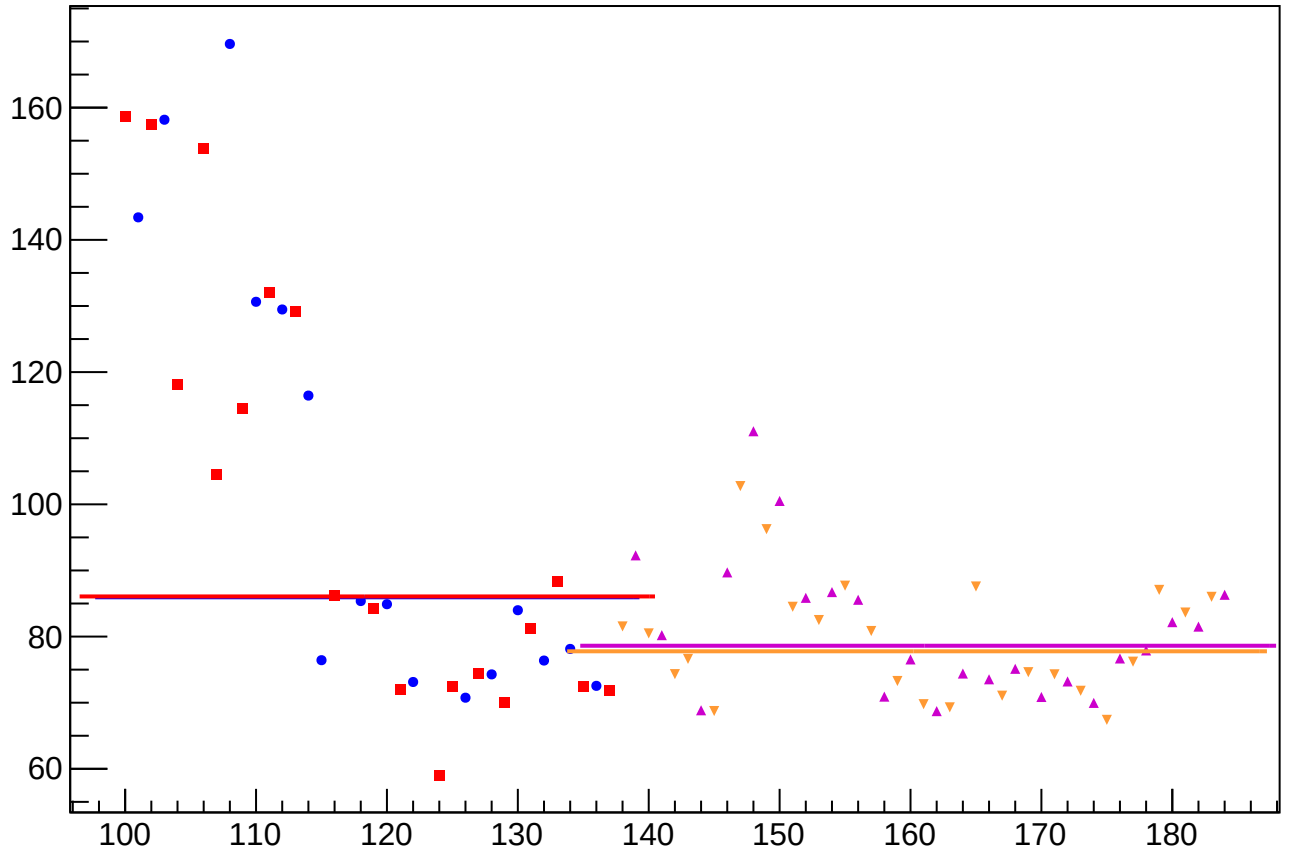
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 44.1/39

All: 0.005+/-0.011 χ^2/NDF: 81.9/81

- sign 0.004+/-0.016 χ^2/NDF: 37.7/41



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.773+/-0.013 χ^2/NDF:414425.9/23

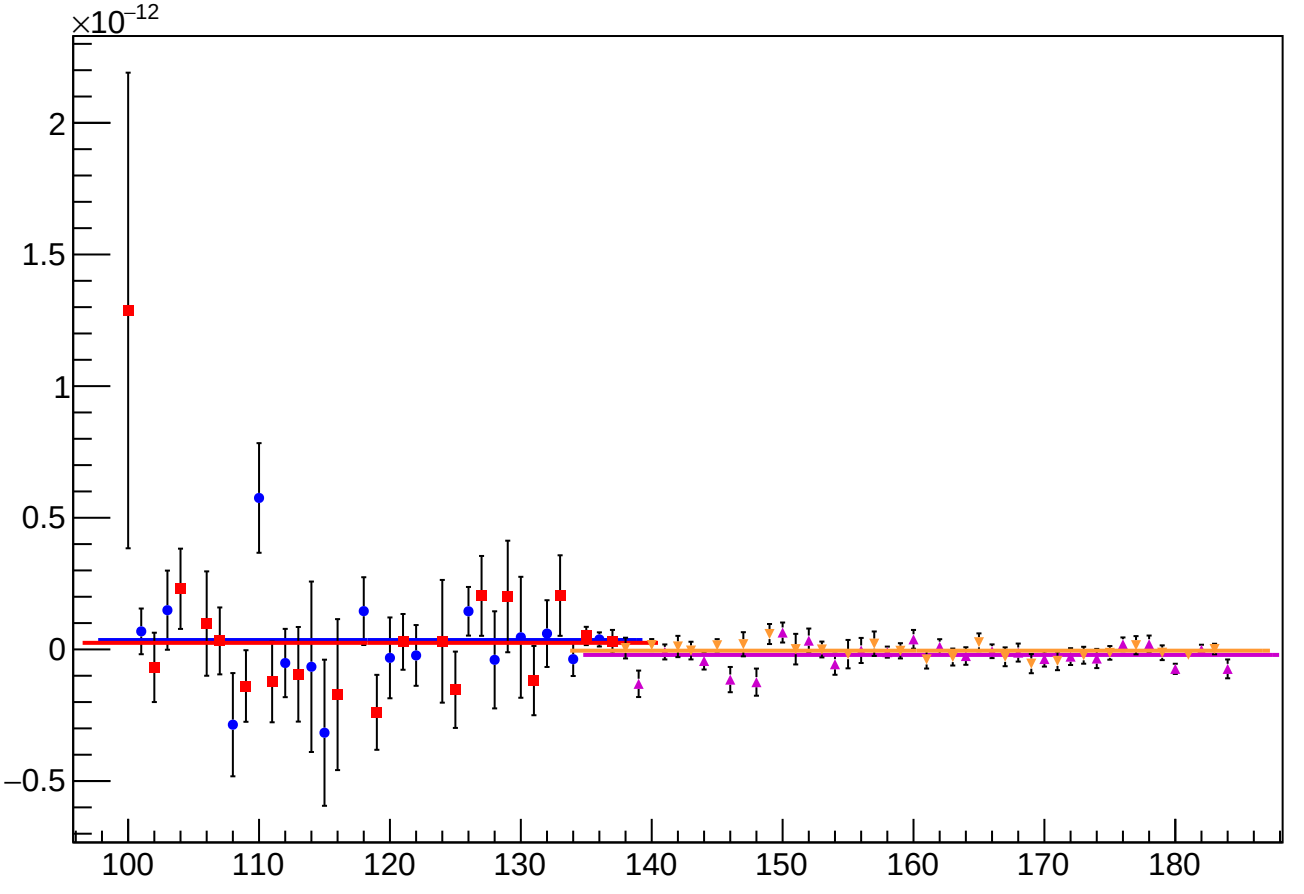
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.609+/-0.011 χ^2/NDF: 1542708.3/39

All: 80.000+/-0.008 χ^2/NDF: 3112125.5/81

- sign 80.410+/-0.011 χ^2/NDF: 1566905.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/23

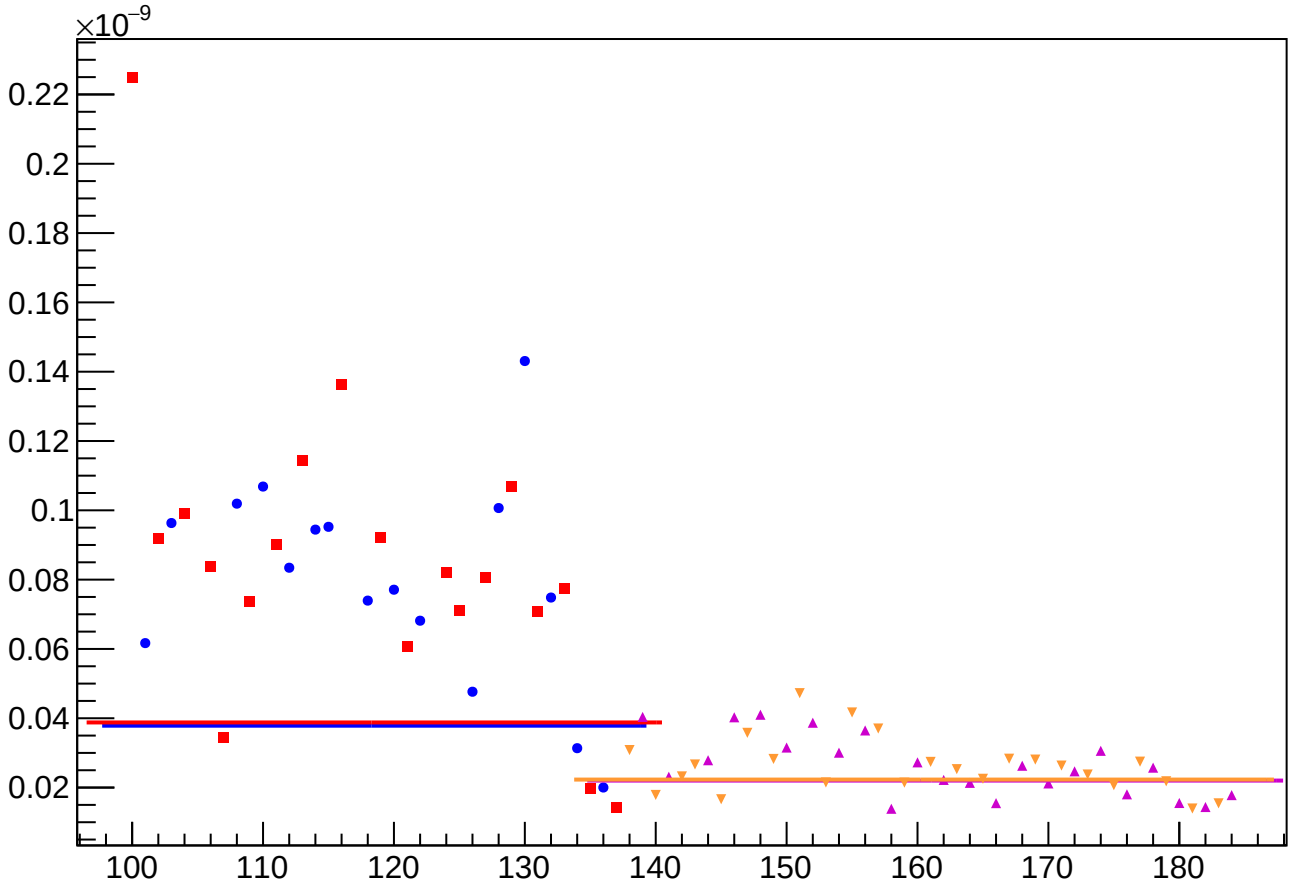
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:40.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/39

All: -0.000+/-0.000 χ^2/NDF: 98.1/81

- sign -0.000+/-0.000 χ^2/NDF: 61.9/41



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

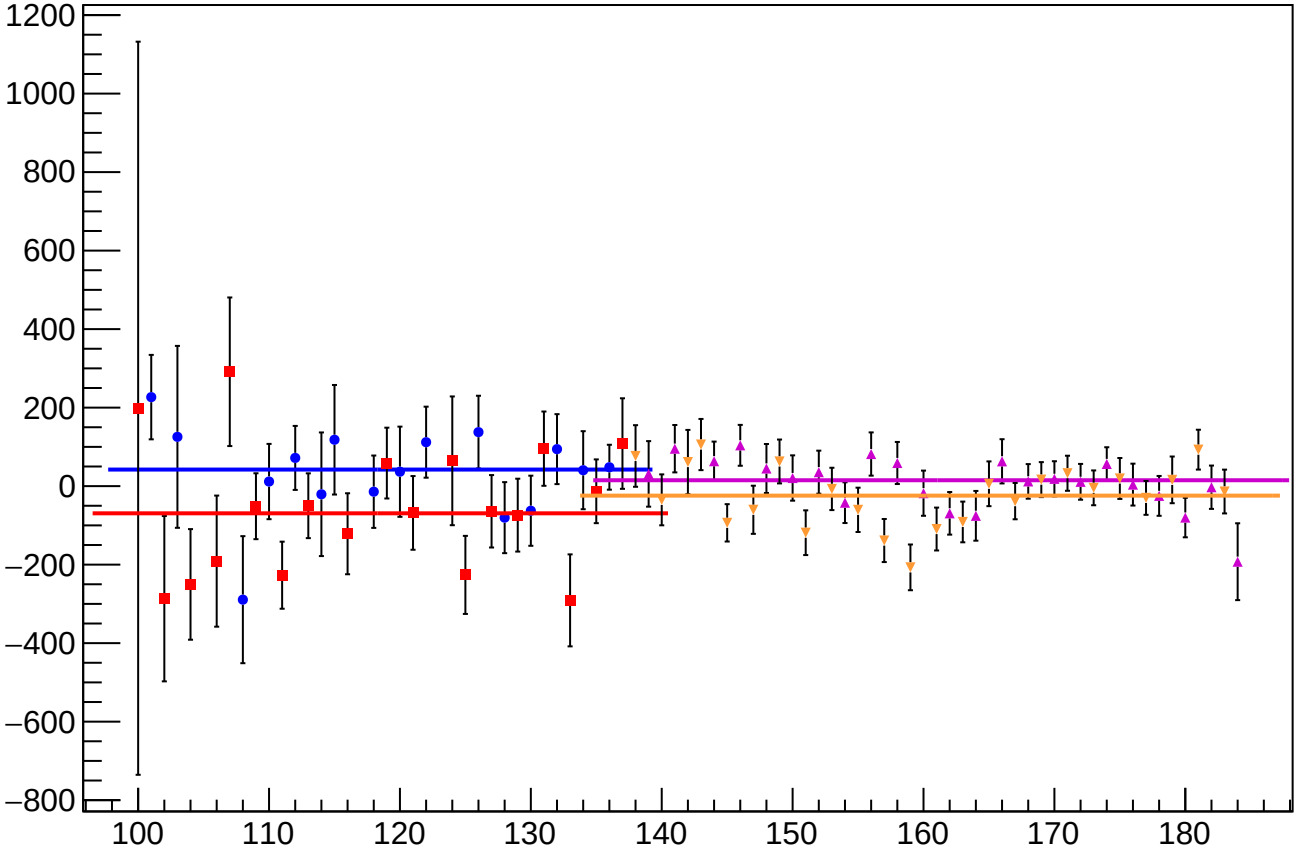
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6788328.0/39

All: 0.000+/-0.000 χ^2/NDF: 14770935.1/81

- sign 0.000+/-0.000 χ^2/NDF: 7980008.2/41

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

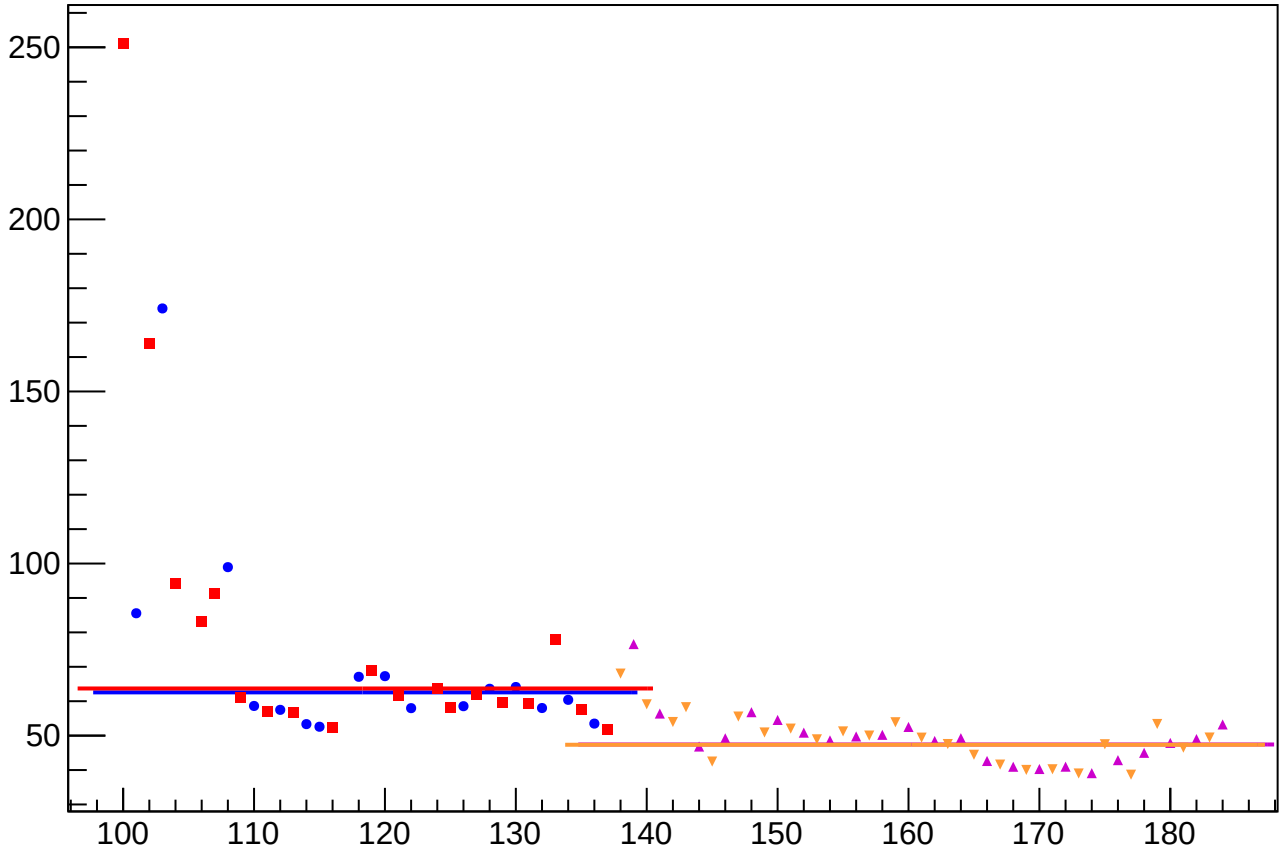
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -12.871+/-9.997 χ^2/NDF: 62.6/39

All: -6.408+/-7.137 χ^2/NDF: 123.4/81

- sign 0.313+/-10.194 χ^2/NDF: 59.9/41

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

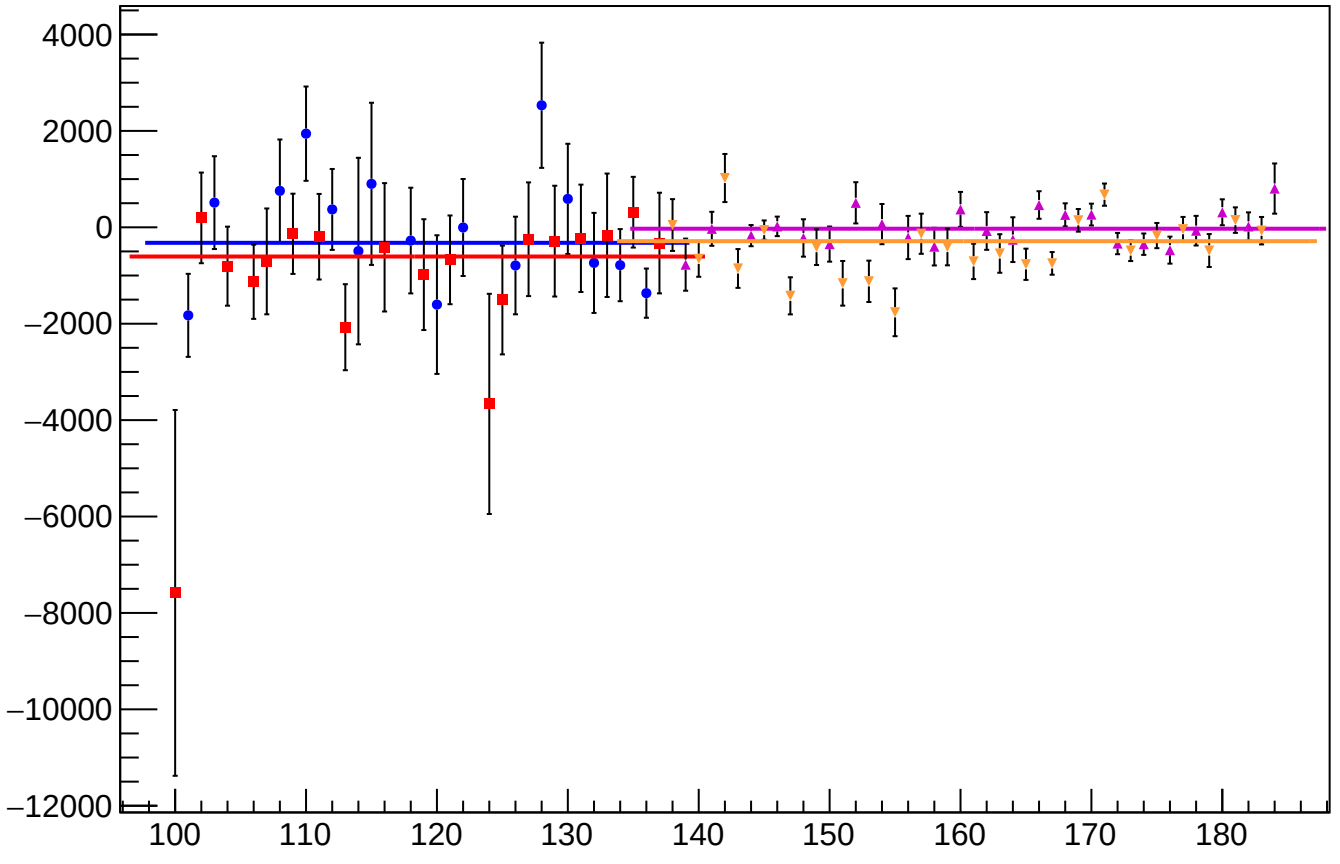
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.941+/-0.007 χ^2/NDF: 2127714.2/39

All: 50.098+/-0.005 χ^2/NDF: 4352198.0/81

- sign 50.261+/-0.007 χ^2/NDF: 2223480.1/41



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

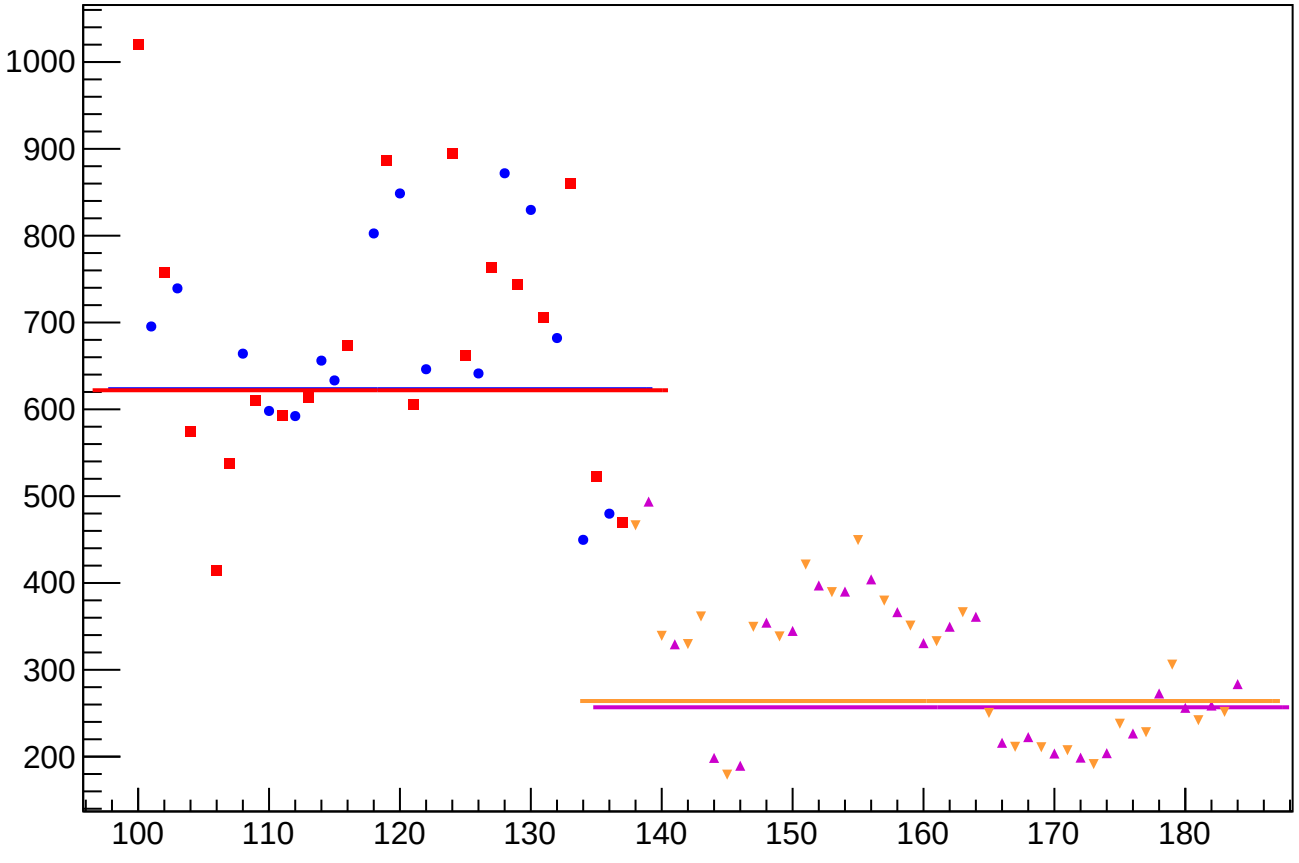
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -289.778+/-61.000 χ^2/NDF: 93.7/39

All: -177.985+/-42.967 χ^2/NDF: 143.0/81

- sign -67.905+/-60.531 χ^2/NDF: 42.6/41

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

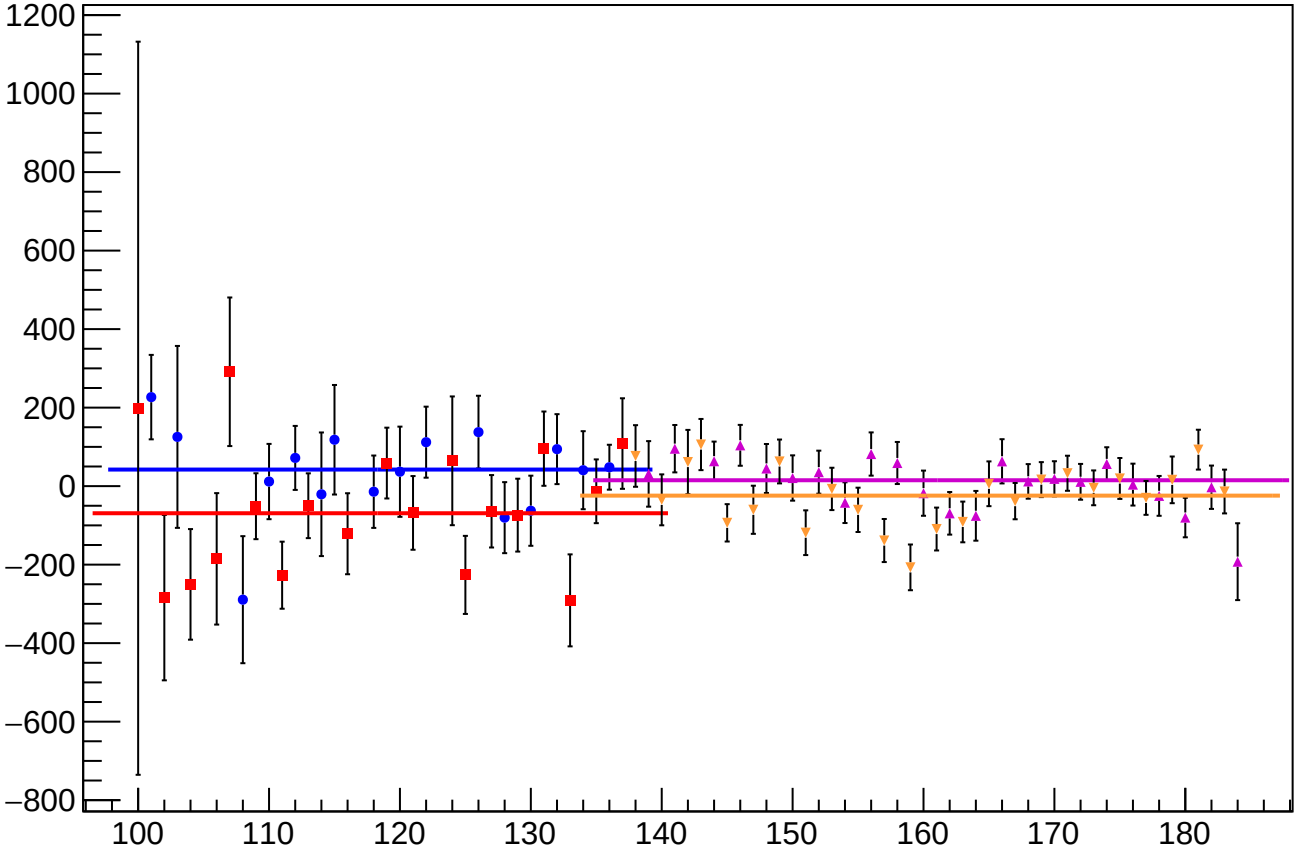
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 287.557+/-0.043 χ^2/NDF: 7656852.0/39

All: 284.429+/-0.030 χ^2/NDF: 15445786.9/81

- sign 281.350+/-0.043 χ^2/NDF: 7778501.7/41

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

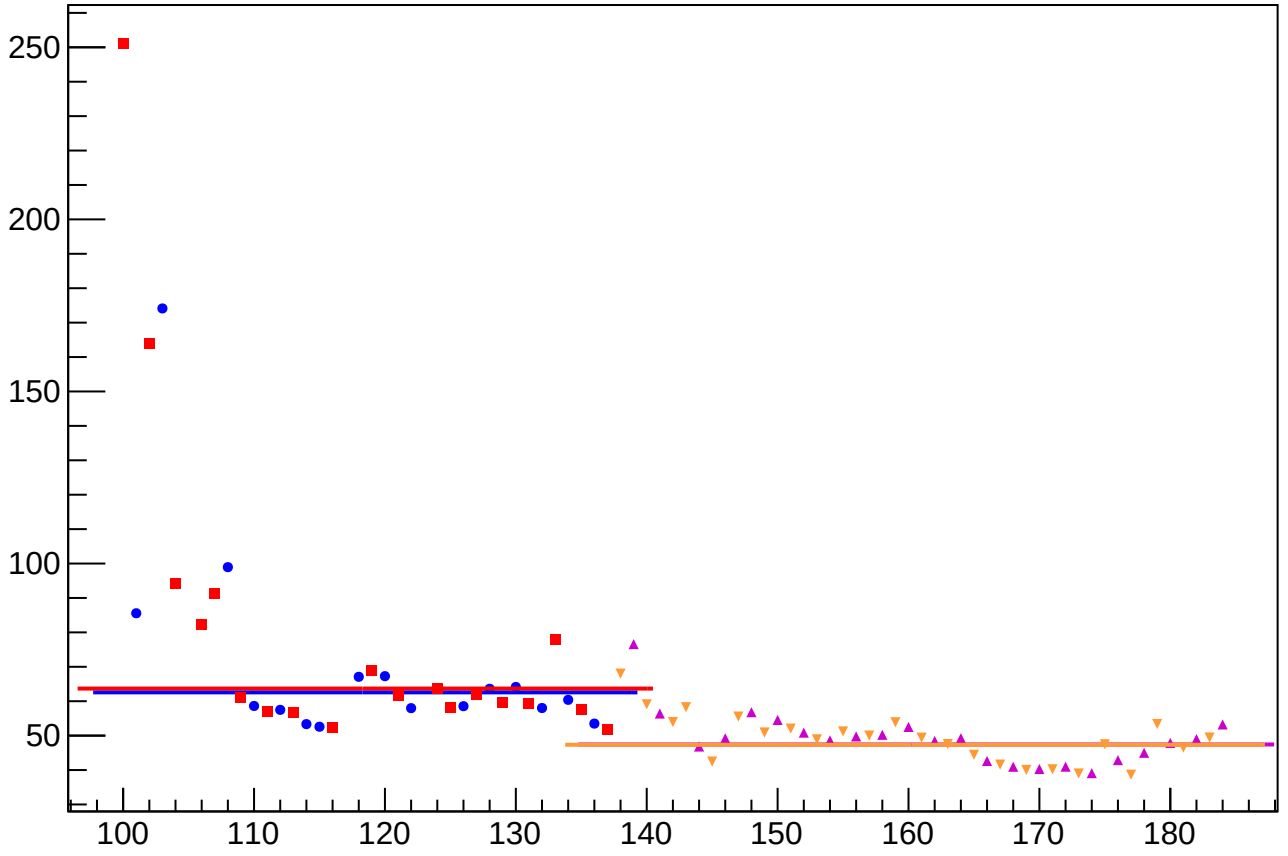
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -12.870+/-9.997 χ^2/NDF: 62.6/39

All: -6.392+/-7.138 χ^2/NDF: 123.2/81

- sign 0.344+/-10.194 χ^2/NDF: 59.8/41

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

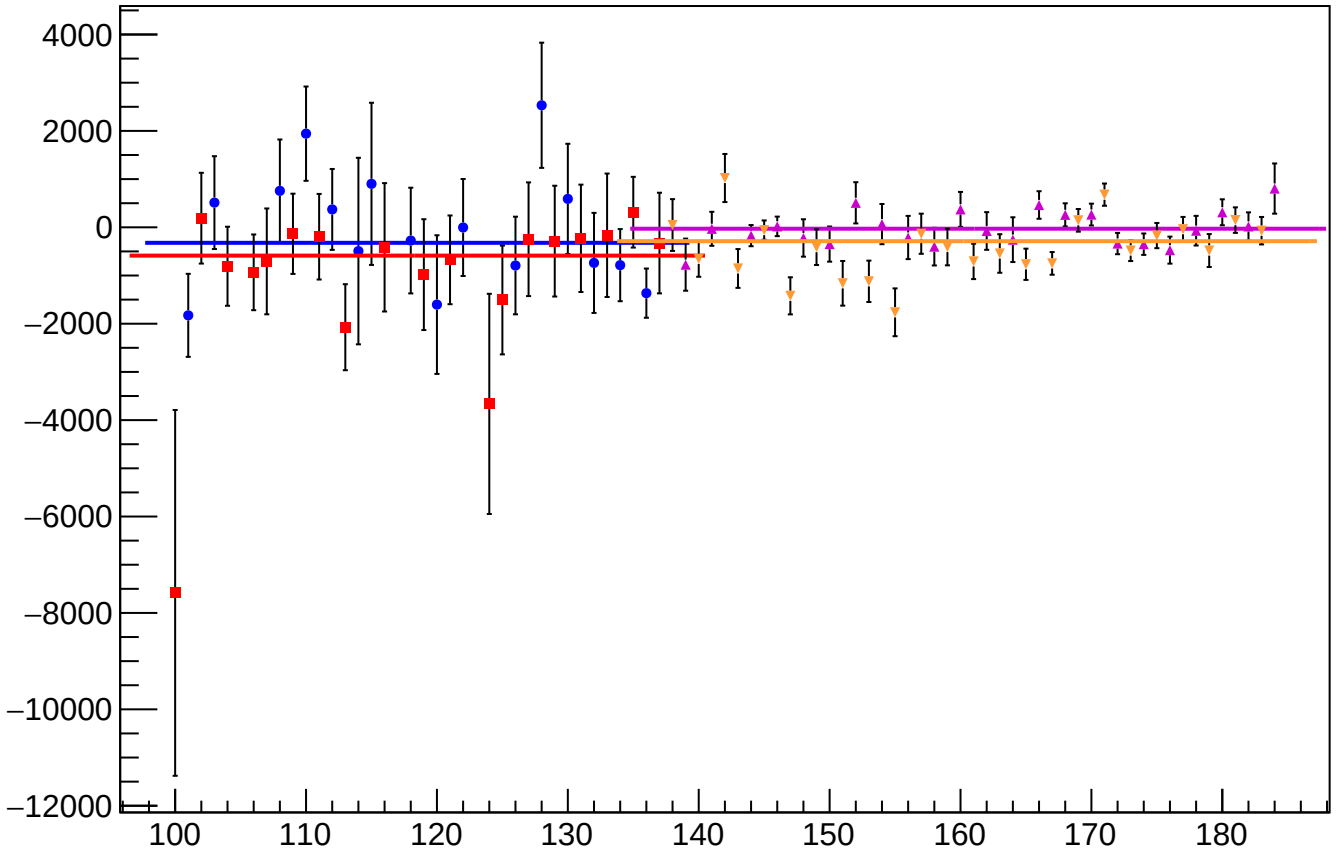
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.941+/-0.007 χ^2/NDF: 2127715.9/39

All: 50.096+/-0.005 χ^2/NDF: 4347176.0/81

- sign 50.257+/-0.007 χ^2/NDF: 2218484.4/41



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

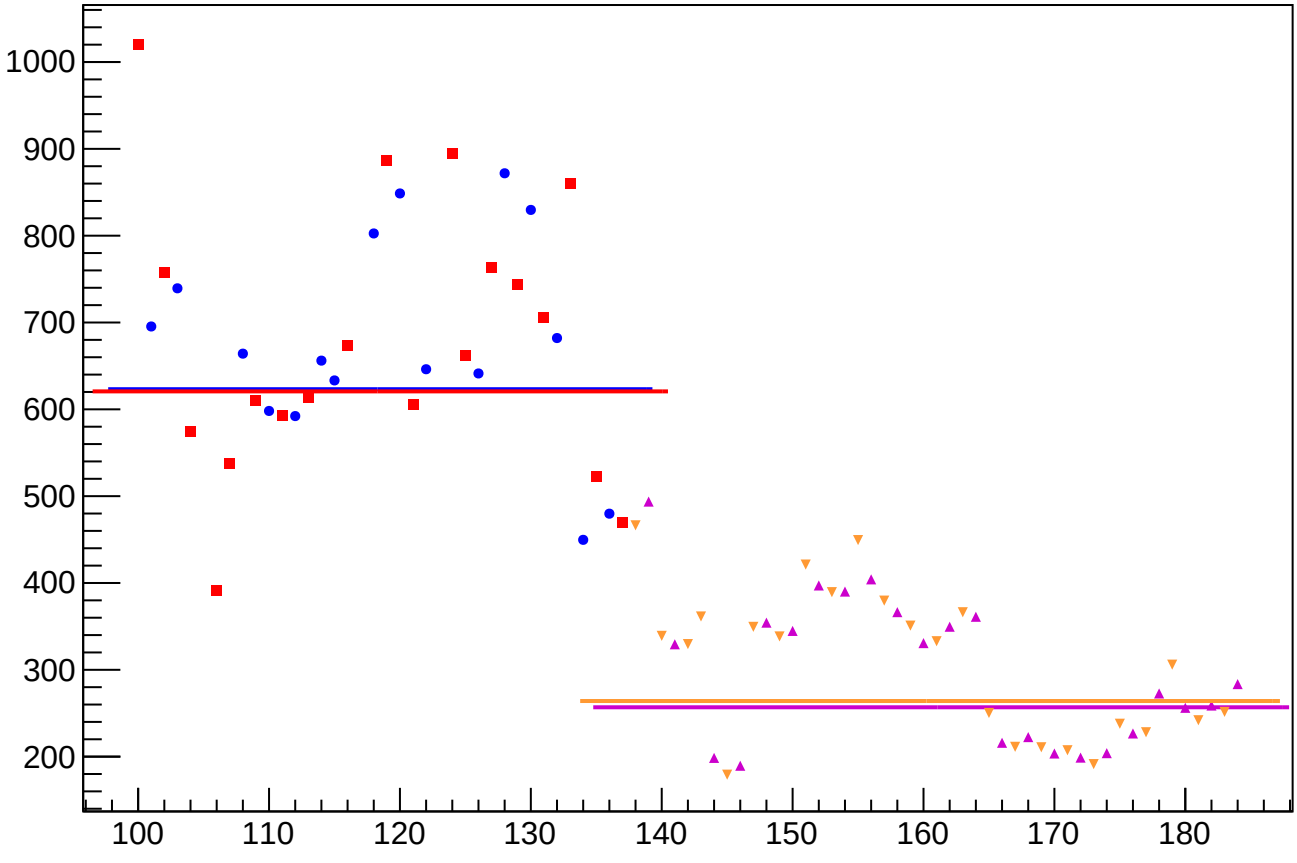
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -289.773+/-61.000 χ^2/NDF: 93.7/39

All: -177.302+/-42.969 χ^2/NDF: 142.4/81

- sign -66.526+/-60.538 χ^2/NDF: 41.9/41

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

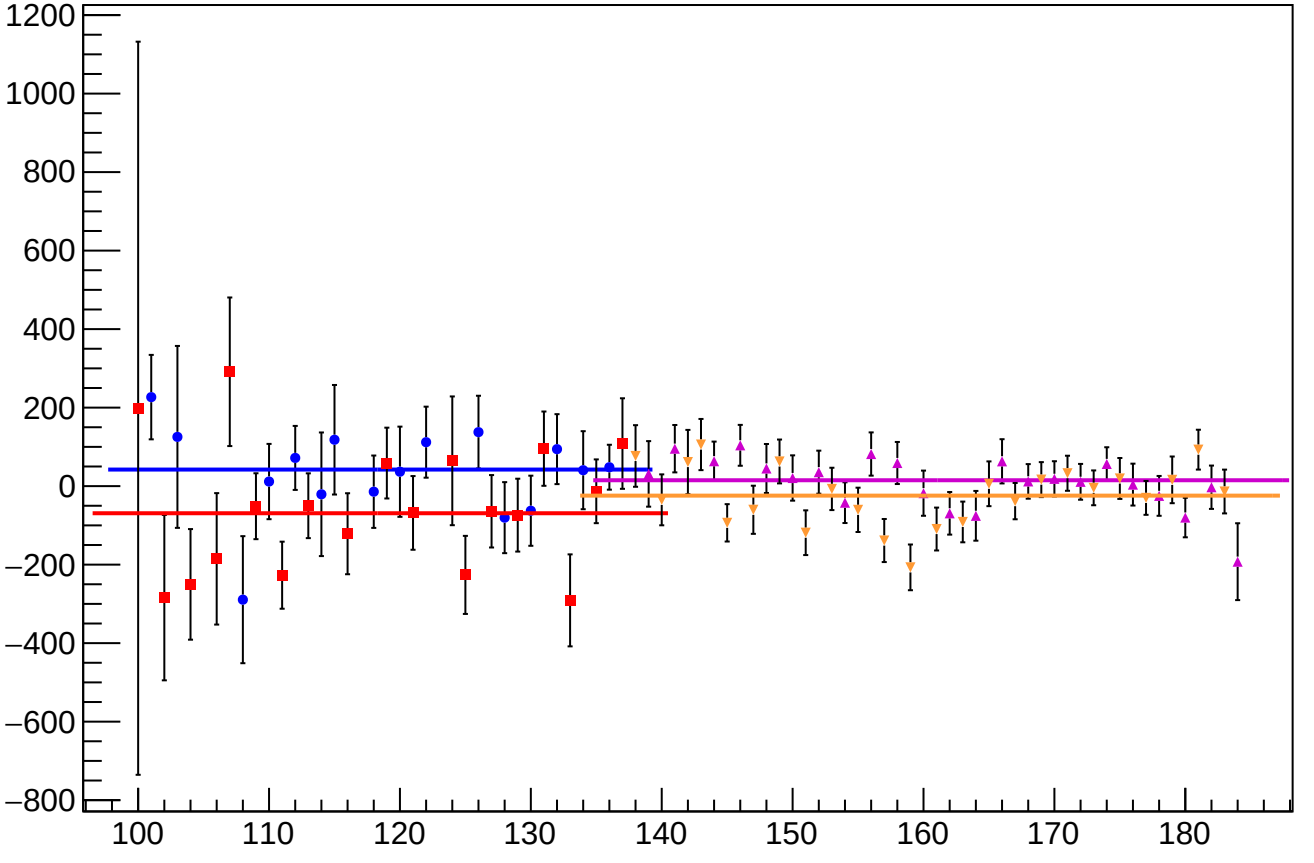
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 287.556+/-0.043 χ^2/NDF: 7656912.5/39

All: 284.343+/-0.030 χ^2/NDF: 15426181.6/81

- sign 281.177+/-0.043 χ^2/NDF: 7758250.9/41

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

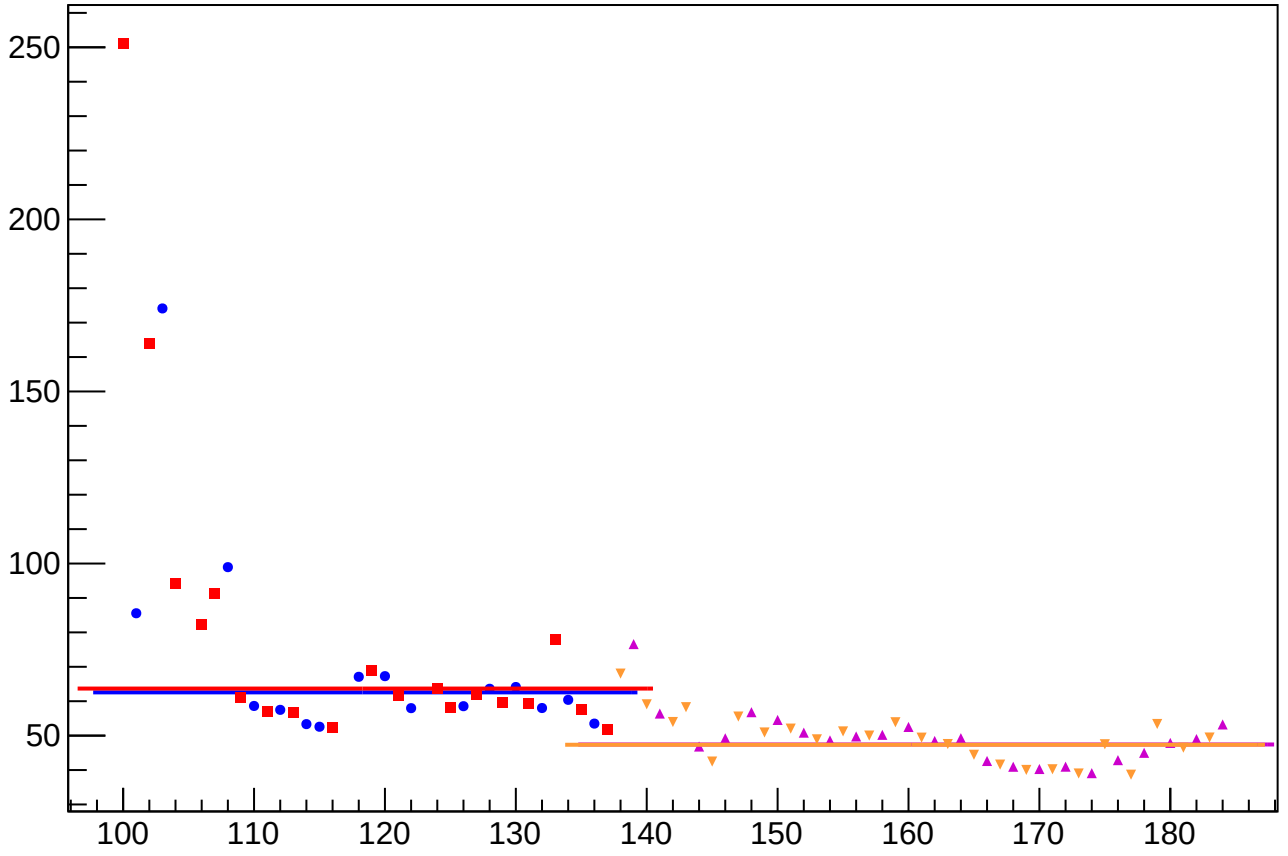
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -12.870+/-9.997 χ^2/NDF: 62.6/39

All: -6.392+/-7.138 χ^2/NDF: 123.2/81

- sign 0.344+/-10.194 χ^2/NDF: 59.8/41

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

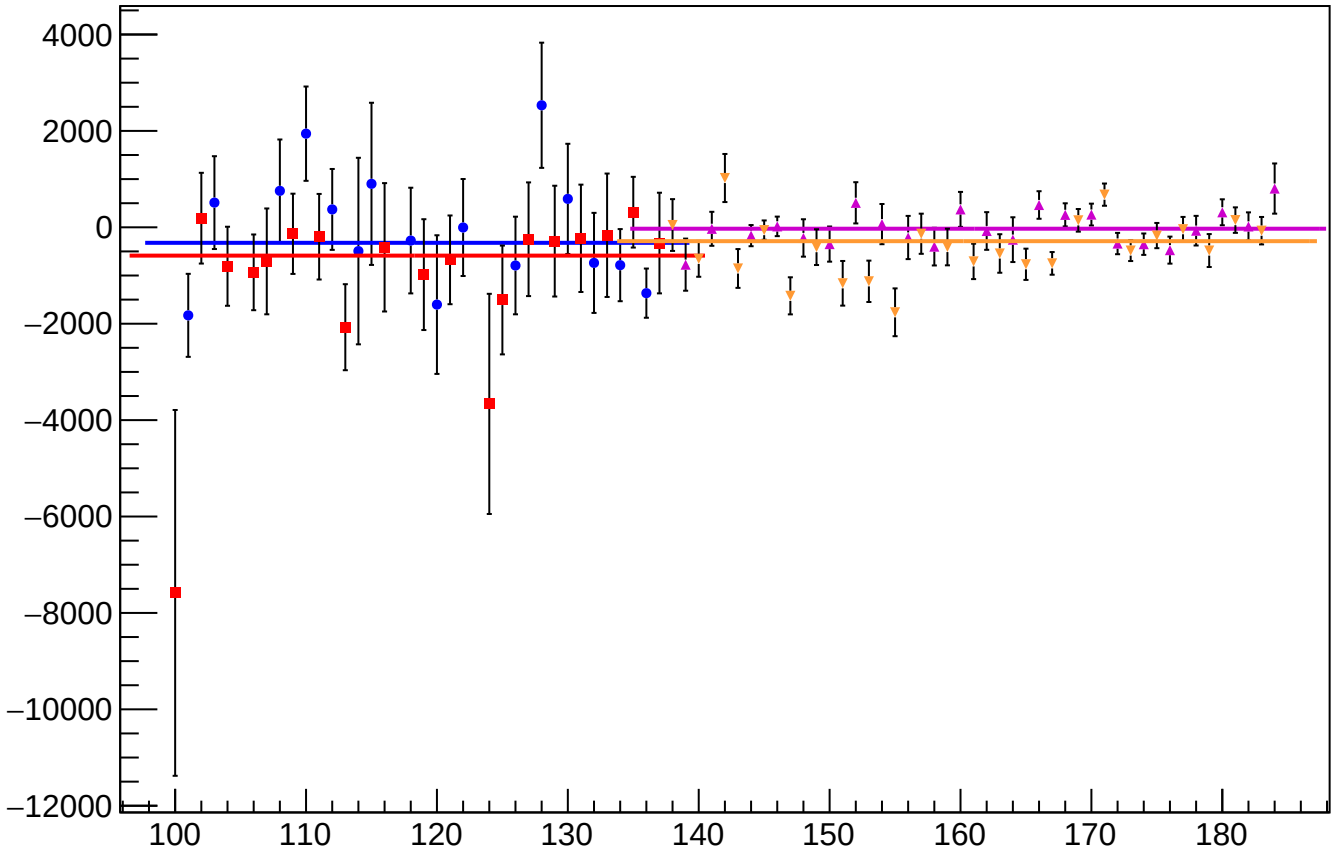
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.941+/-0.007 χ^2/NDF: 2127715.9/39

All: 50.096+/-0.005 χ^2/NDF: 4347176.0/81

- sign 50.257+/-0.007 χ^2/NDF: 2218484.4/41



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

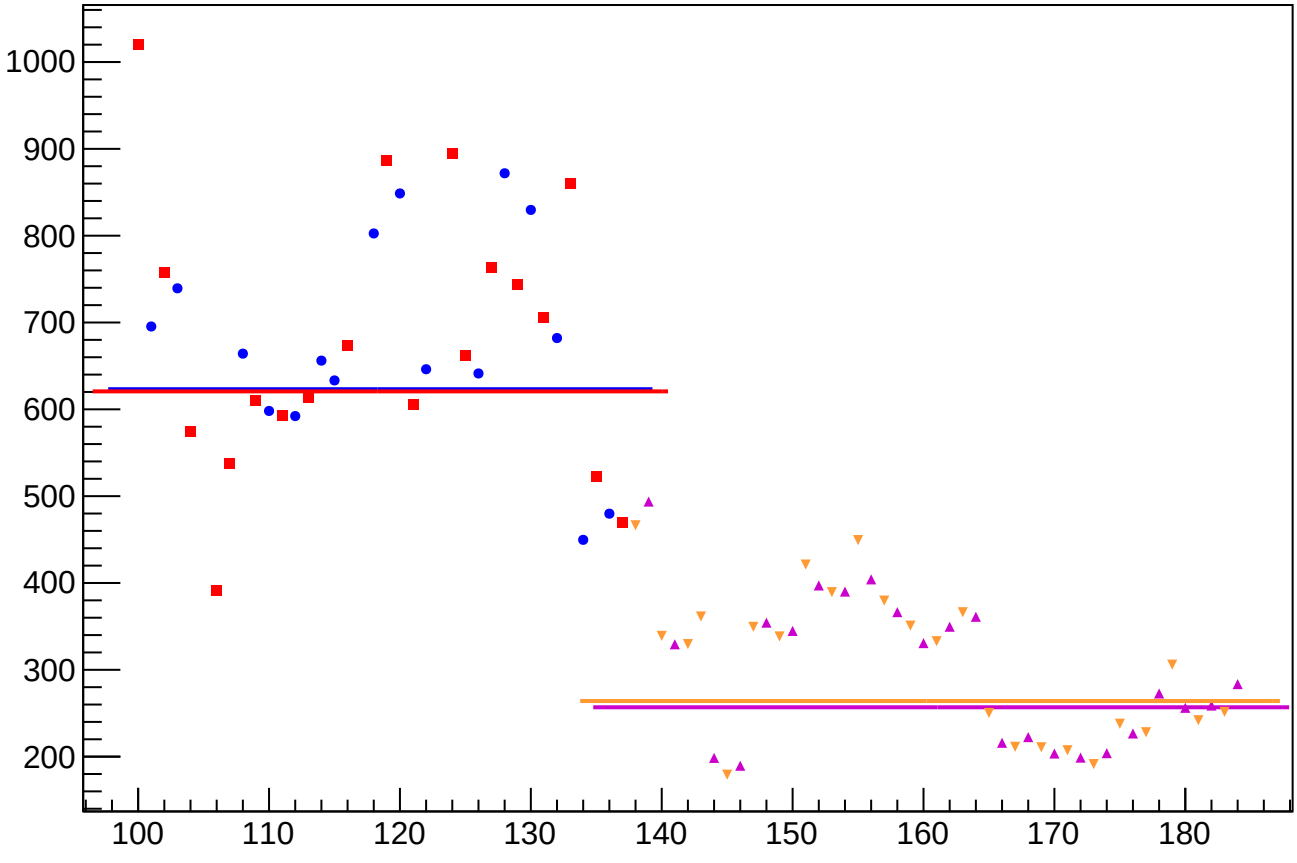
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -289.773+/-61.000 χ^2/NDF: 93.7/39

All: -177.302+/-42.969 χ^2/NDF: 142.4/81

- sign -66.526+/-60.538 χ^2/NDF: 41.9/41

asym_sam_37_dd_eigen_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

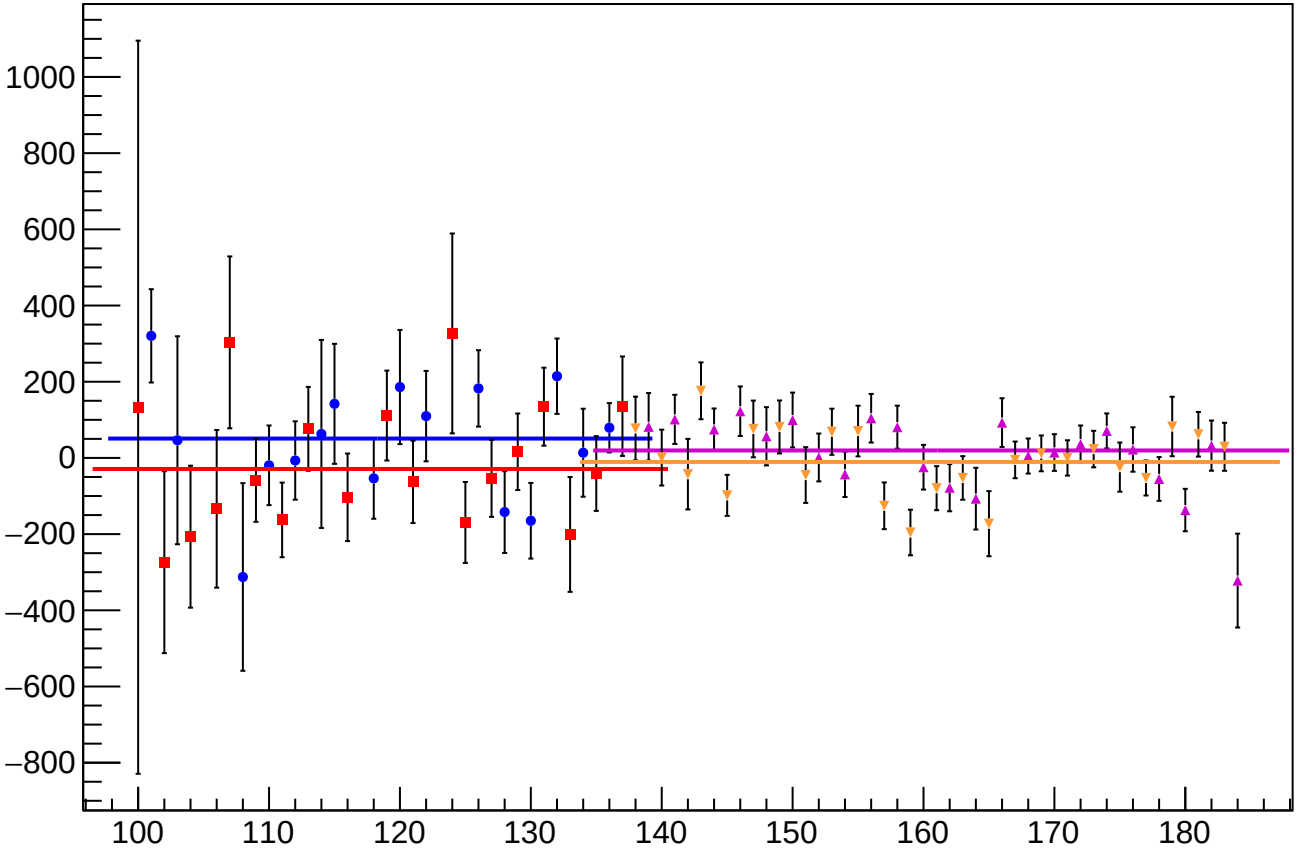
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 287.556+/-0.043 χ^2/NDF: 7656912.5/39

All: 284.343+/-0.030 χ^2/NDF: 15426181.6/81

- sign 281.177+/-0.043 χ^2/NDF: 7758250.9/41

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

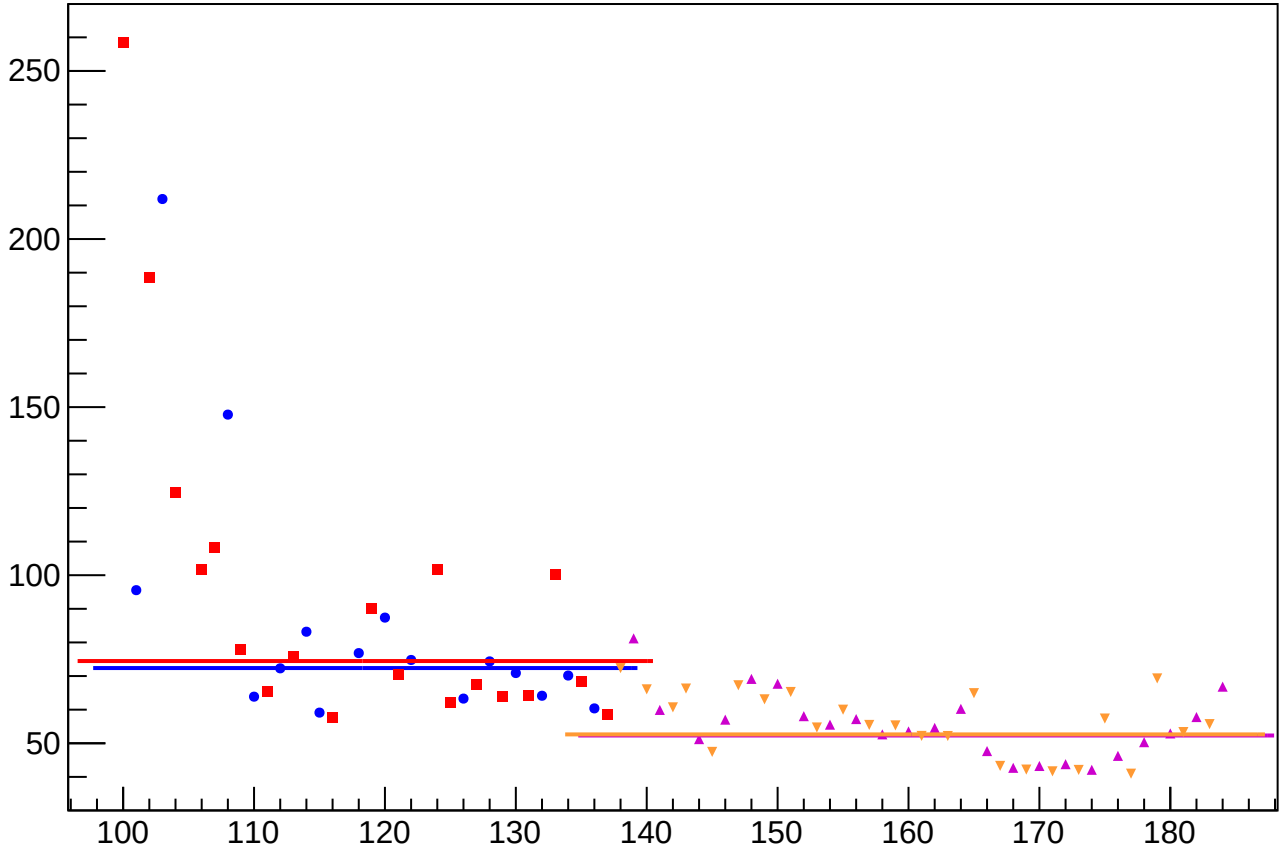
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.726+/-11.336 χ^2/NDF: 67.2/39

All: 5.487+/-8.076 χ^2/NDF: 125.4/81

- sign 11.889+/-11.509 χ^2/NDF: 57.7/41

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

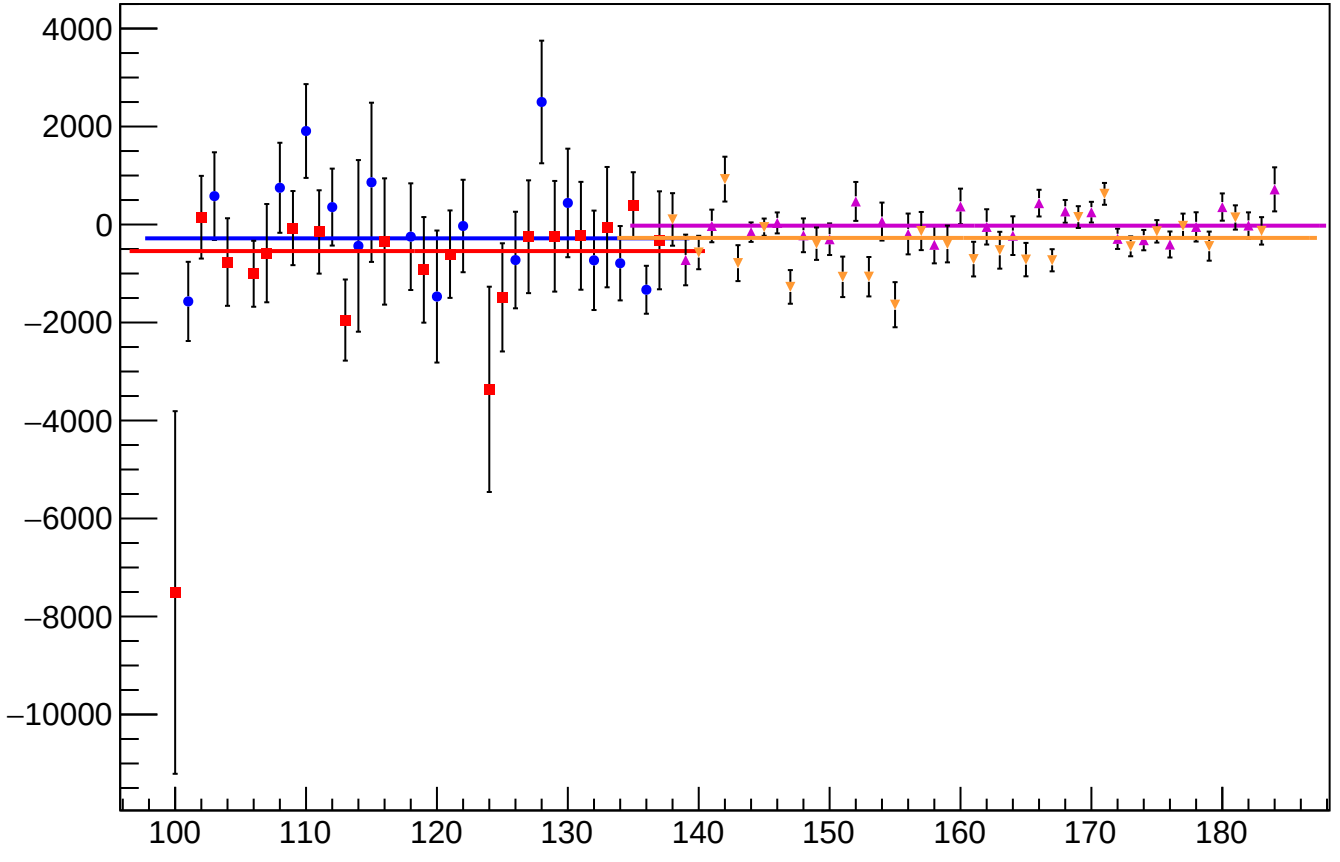
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 55.804+/-0.008 χ^2/NDF: 2911082.4/39

All: 55.814+/-0.006 χ^2/NDF: 5843197.0/81

- sign 55.824+/-0.008 χ^2/NDF: 2932111.4/41

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

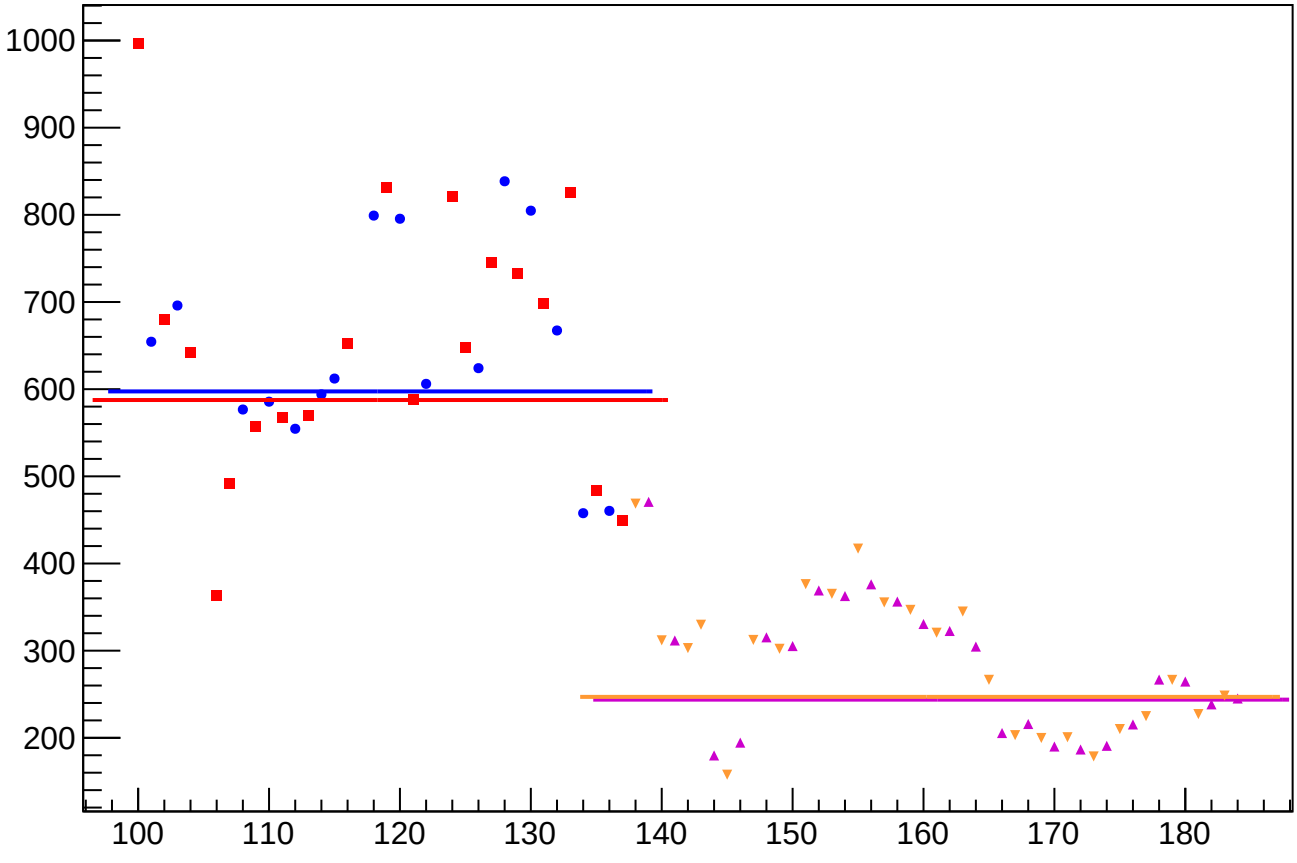
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -273.870+/-57.050 χ^2/NDF: 92.7/39

All: -166.733+/-40.449 χ^2/NDF: 142.4/81

- sign -58.431+/-57.359 χ^2/NDF: 42.6/41

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

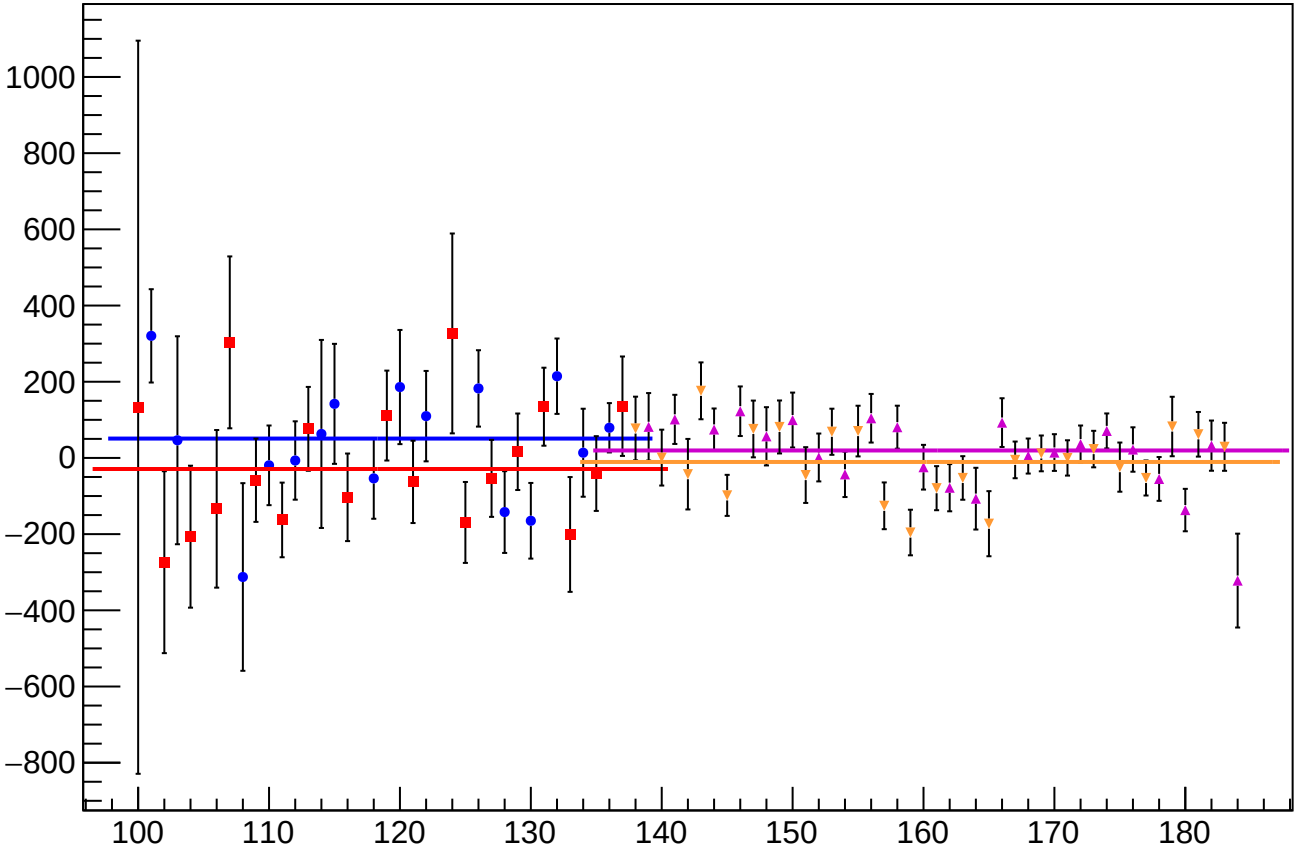
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 268.969+/-0.040 χ^2/NDF: 7896434.8/39

All: 267.990+/-0.029 χ^2/NDF: 15593344.5/81

- sign 267.001+/-0.041 χ^2/NDF: 7695725.3/41

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

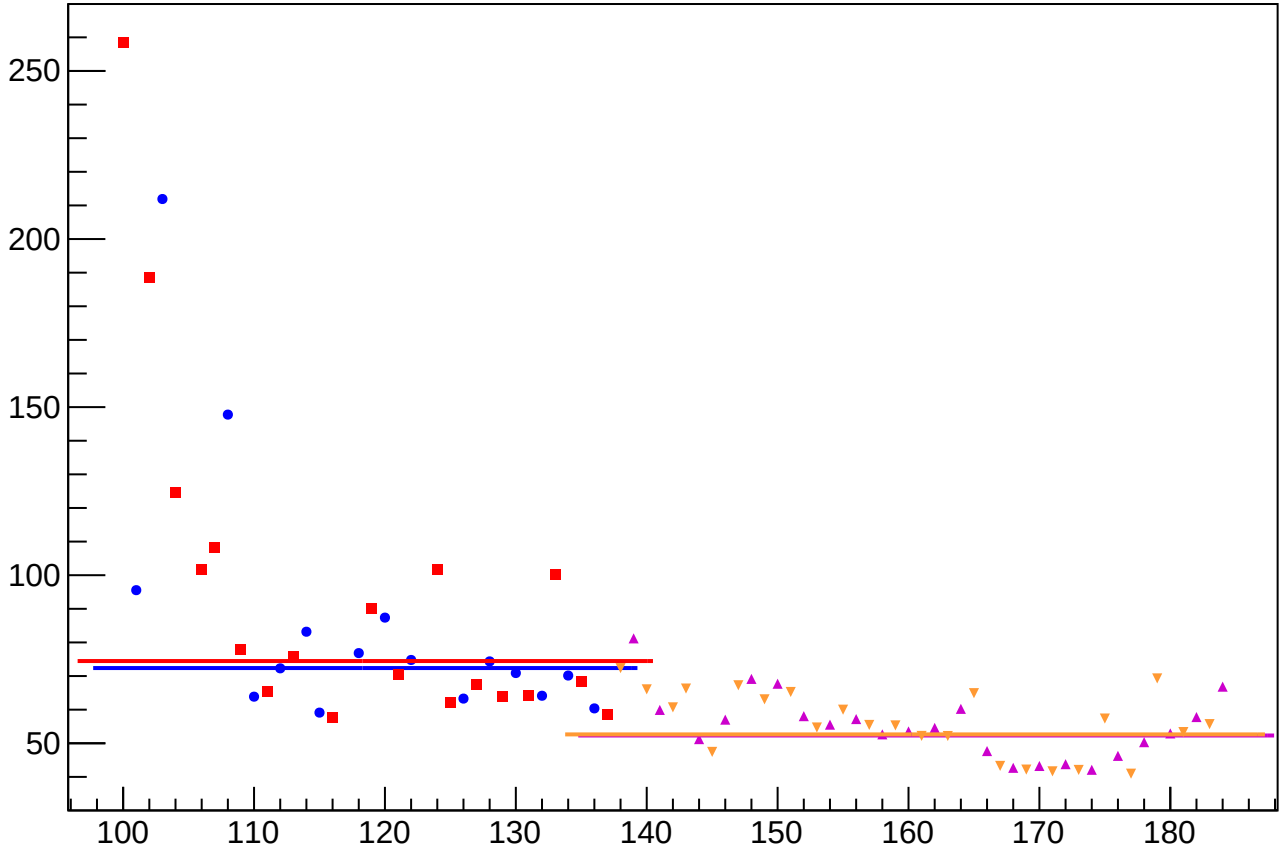
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.725+/-11.336 χ^2/NDF: 67.2/39

All: 5.487+/-8.076 χ^2/NDF: 125.4/81

- sign 11.890+/-11.509 χ^2/NDF: 57.7/41

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

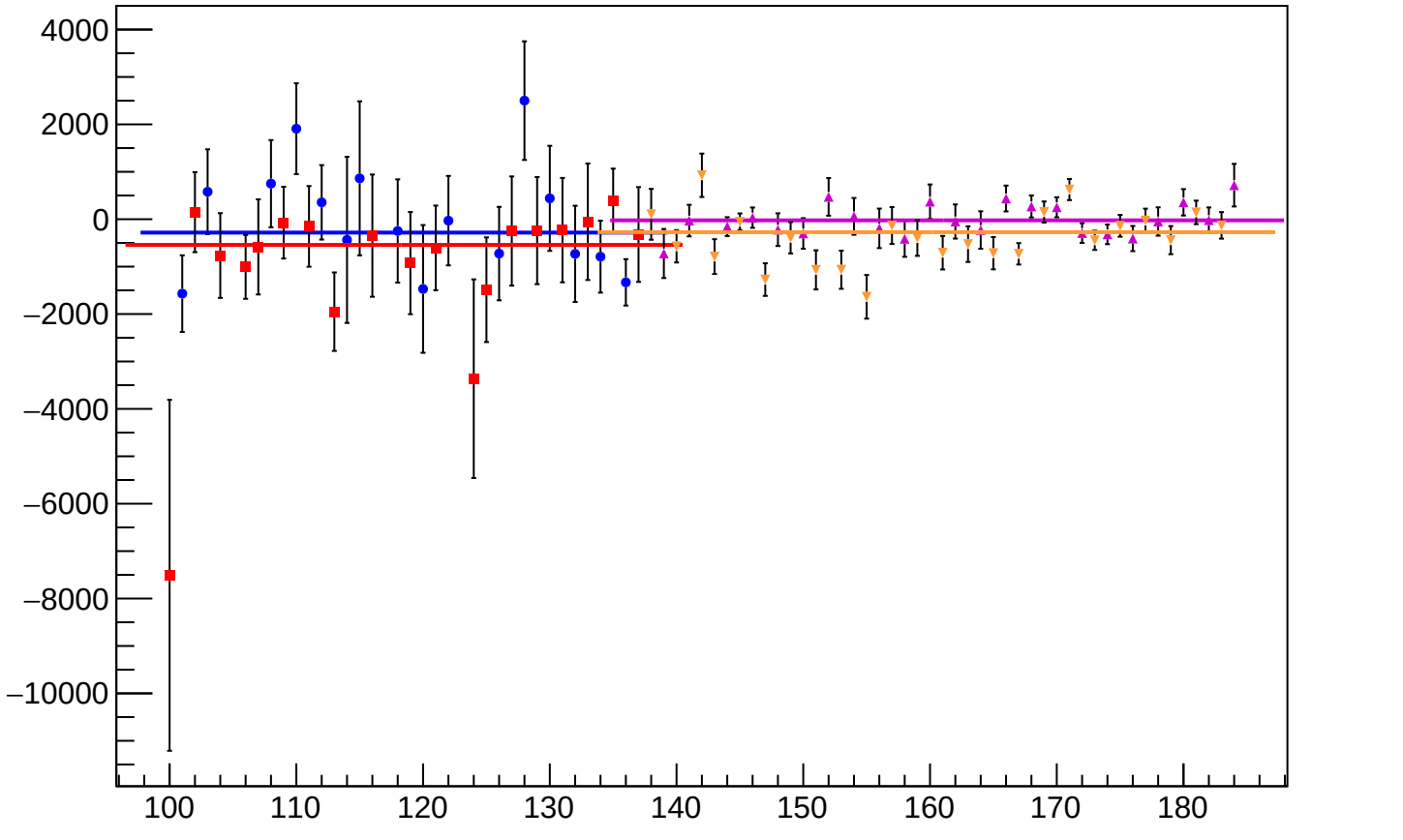
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 55.804+/-0.008 χ^2/NDF: 2911100.1/39

All: 55.814+/-0.006 χ^2/NDF: 5843206.7/81

- sign 55.824+/-0.008 χ^2/NDF: 2932103.5/41



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

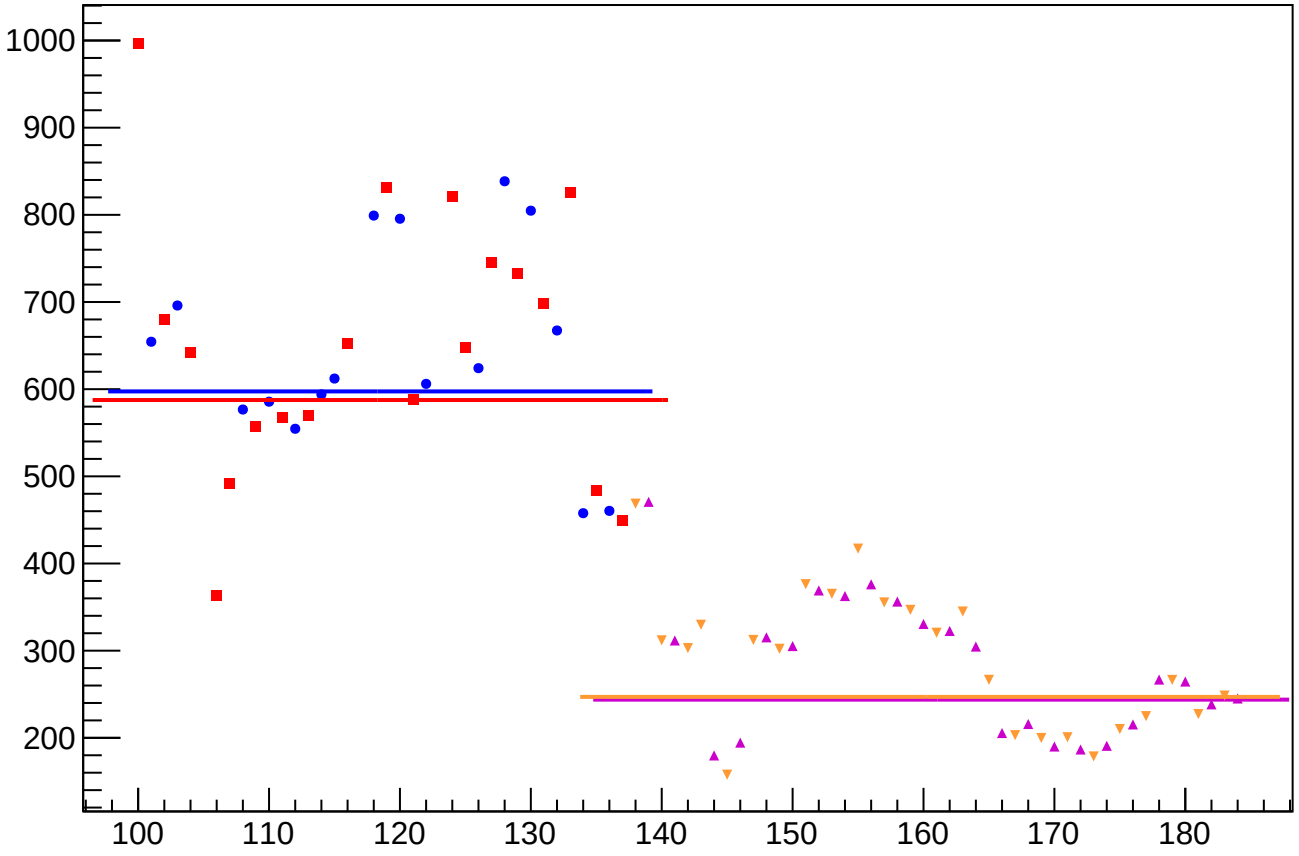
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -273.870+/-57.050 χ^2/NDF: 92.7/39

All: -166.733+/-40.449 χ^2/NDF: 142.4/81

- sign -58.431+/-57.359 χ^2/NDF: 42.6/41

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

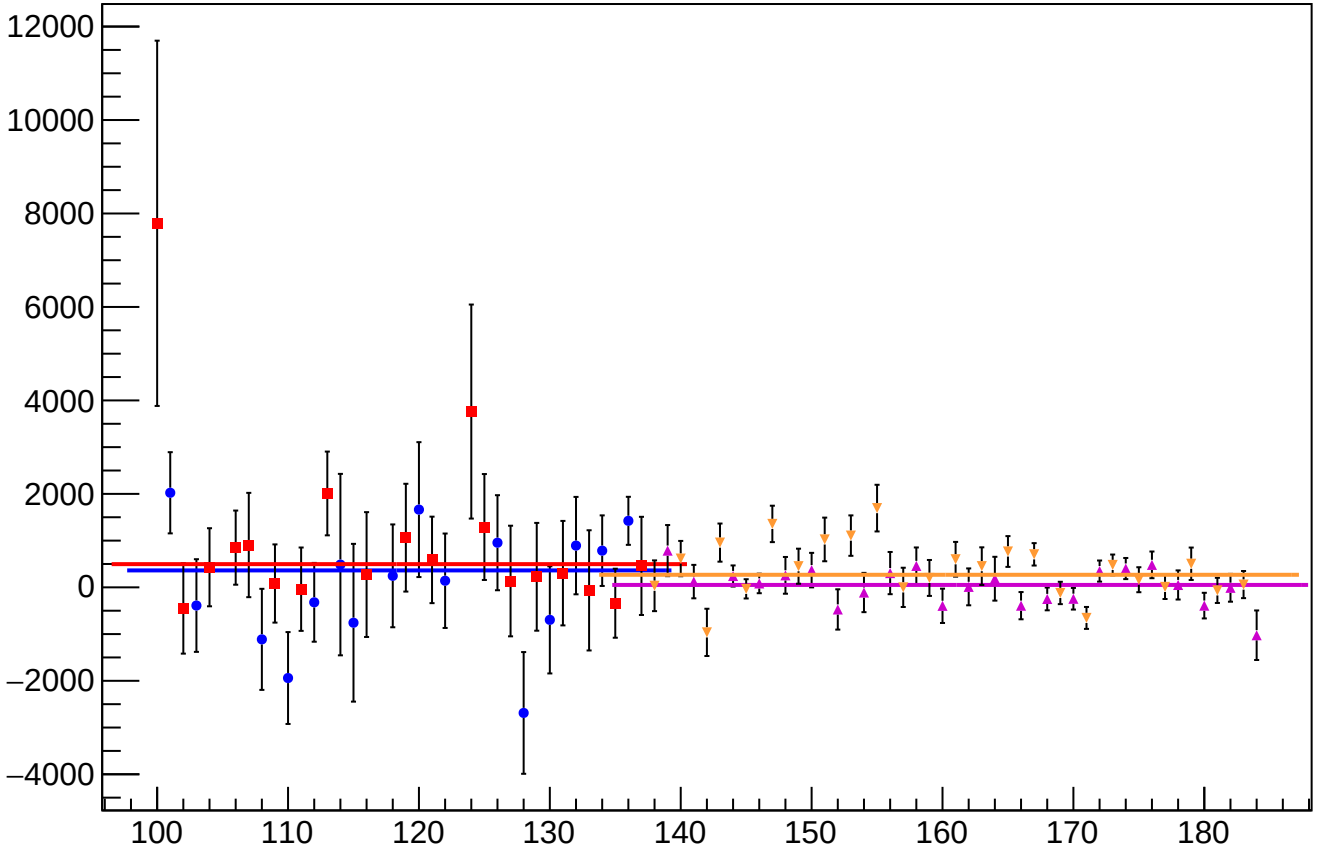
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 268.969+/-0.040 χ^2/NDF: 7896427.6/39

All: 267.990+/-0.029 χ^2/NDF: 15593330.9/81

- sign 267.000+/-0.041 χ^2/NDF: 7695718.7/41

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

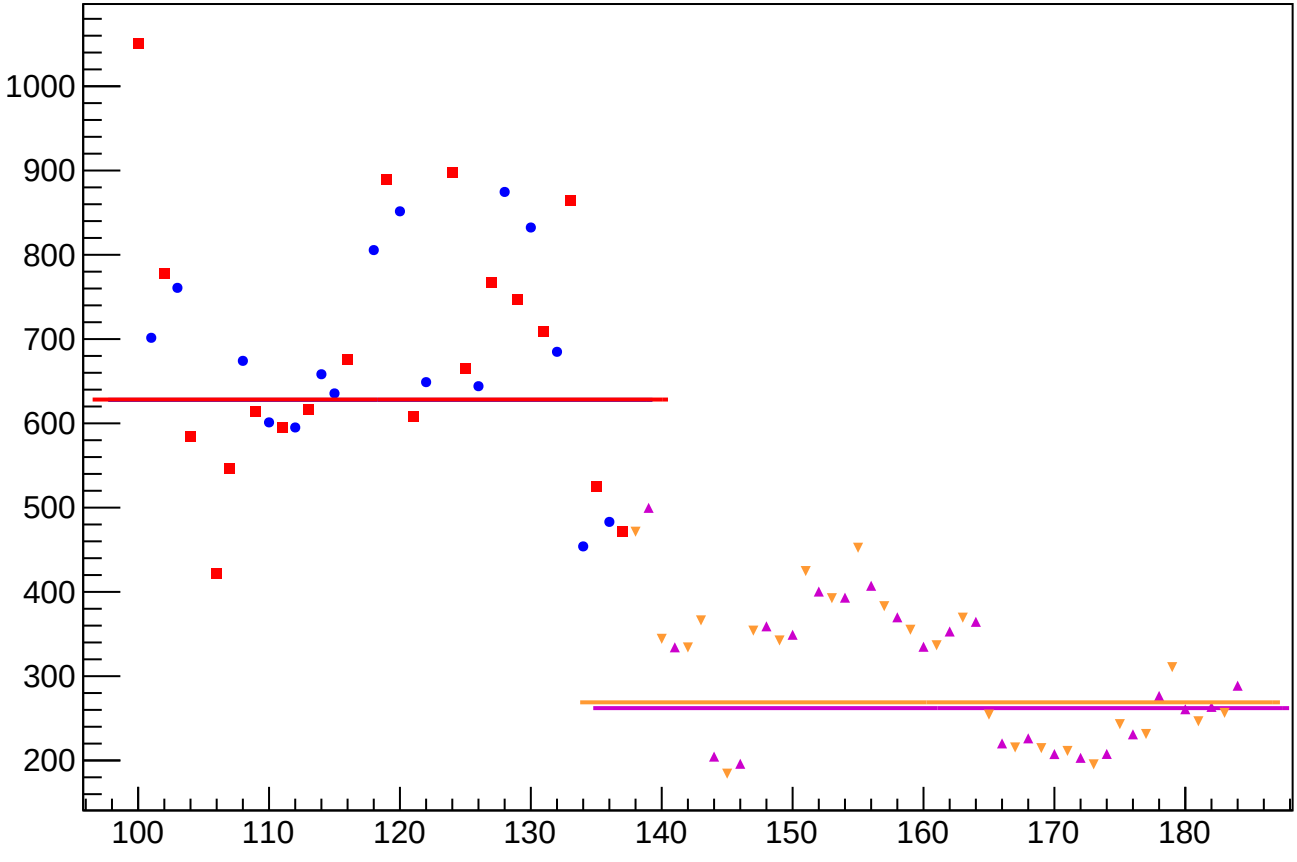
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 275.027+/-62.008 χ^2/NDF: 89.5/39

All: 177.941+/-43.711 χ^2/NDF: 137.2/81

- sign 82.041+/-61.628 χ^2/NDF: 42.8/41

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

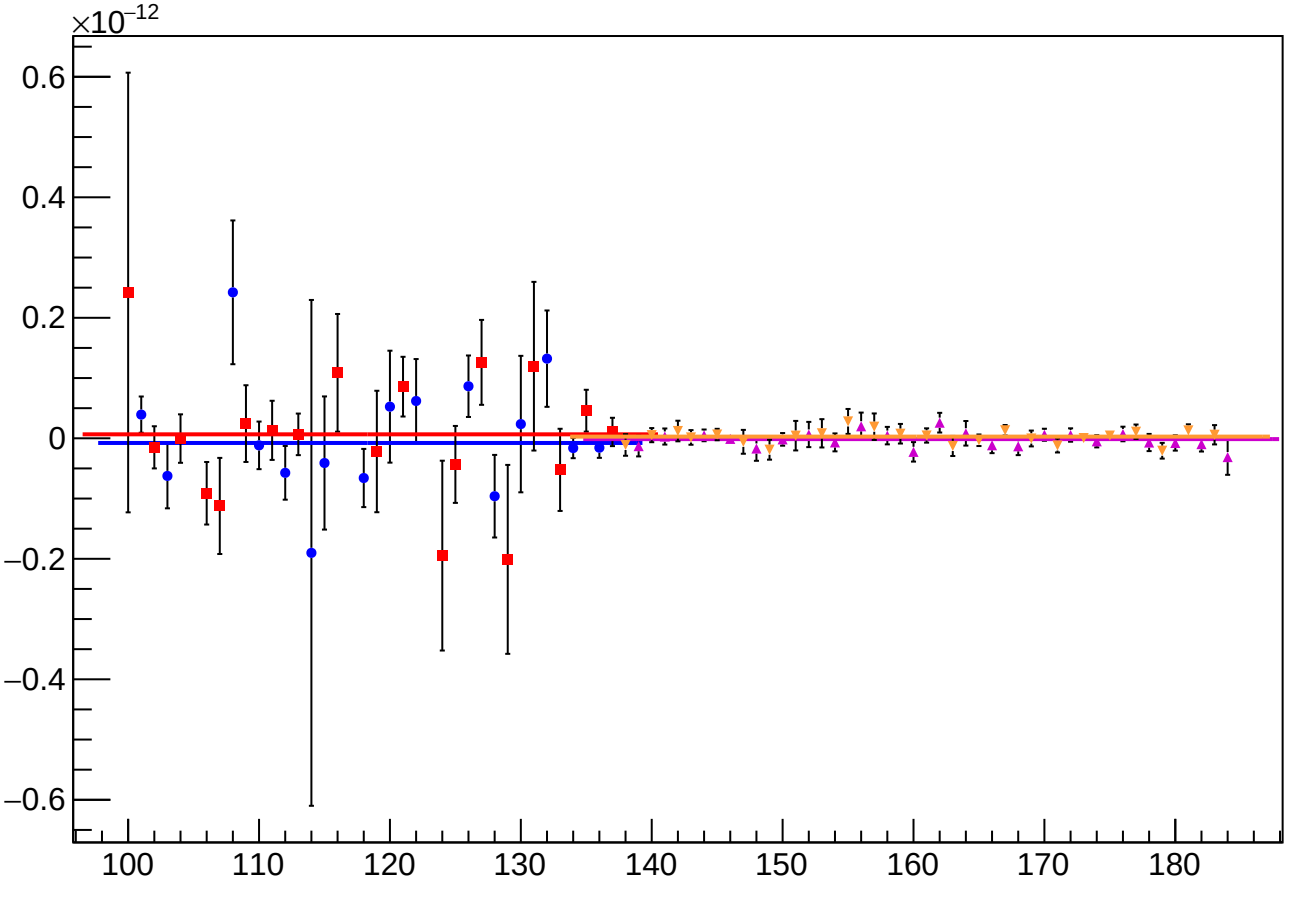
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 292.860+/-0.044 χ^2/NDF: 7494398.6/39

All: 289.940+/-0.031 χ^2/NDF: 15096739.4/81

- sign 287.056+/-0.044 χ^2/NDF: 7593523.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/23

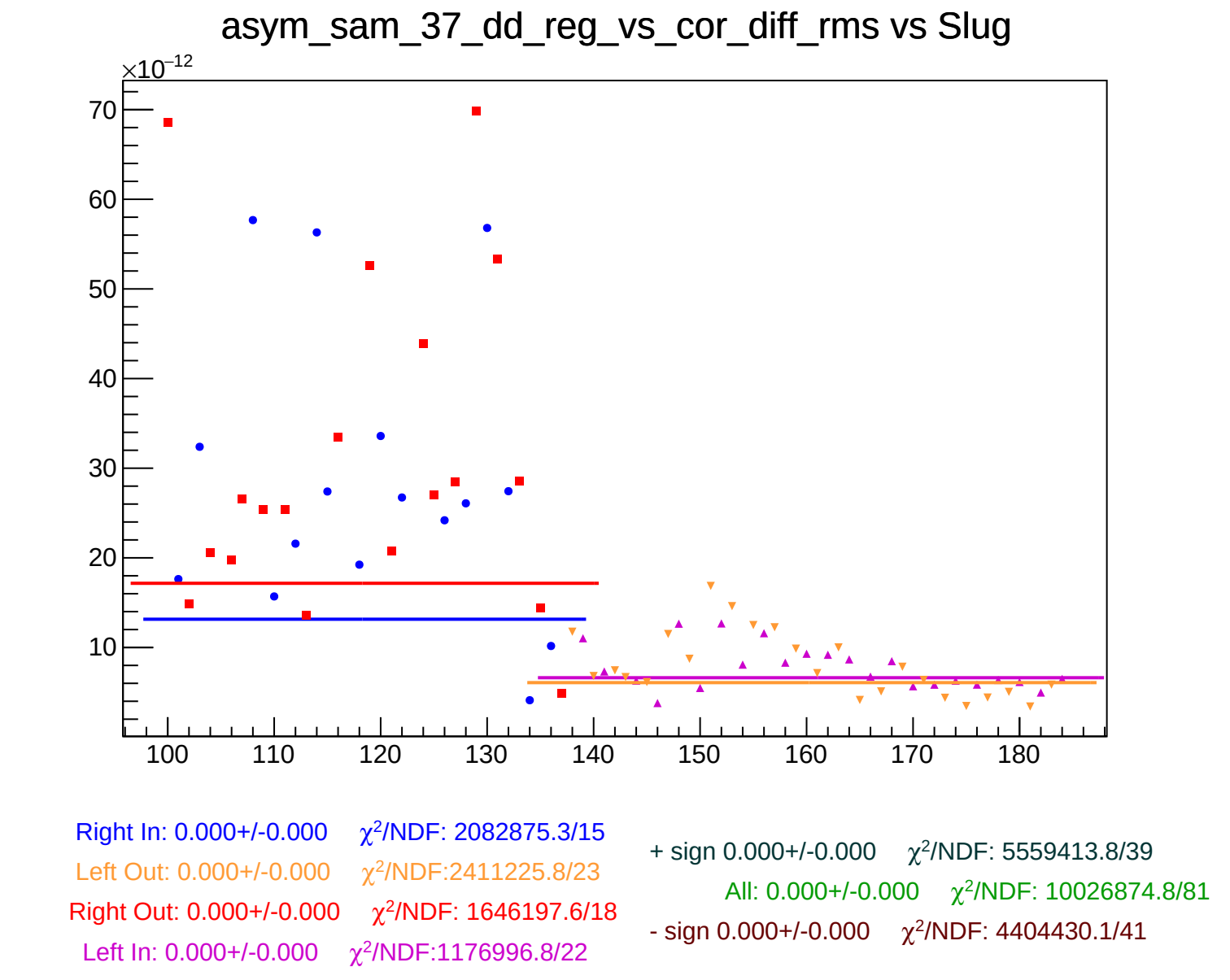
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

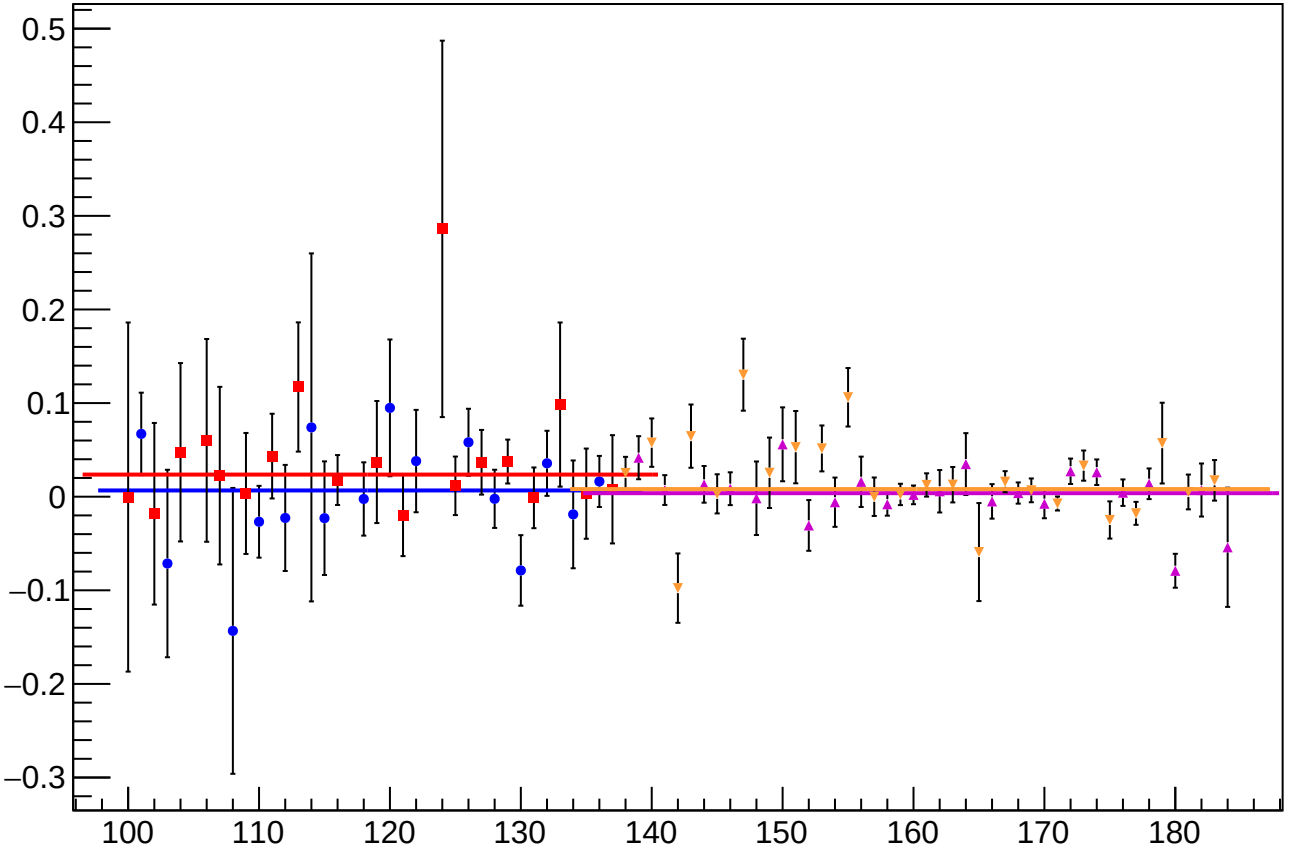
+ sign 0.000+/-0.000 χ^2/NDF: 36.6/39

All: 0.000+/-0.000 χ^2/NDF: 70.0/81

- sign -0.000+/-0.000 χ^2/NDF: 32.7/41


asym_sam_37_dd_reg_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: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2411225.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1176996.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5559413.8/39
All: 0.000+/-0.000 χ²/NDF: 10026874.8/81
- sign 0.000+/-0.000 χ²/NDF: 4404430.1/41

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

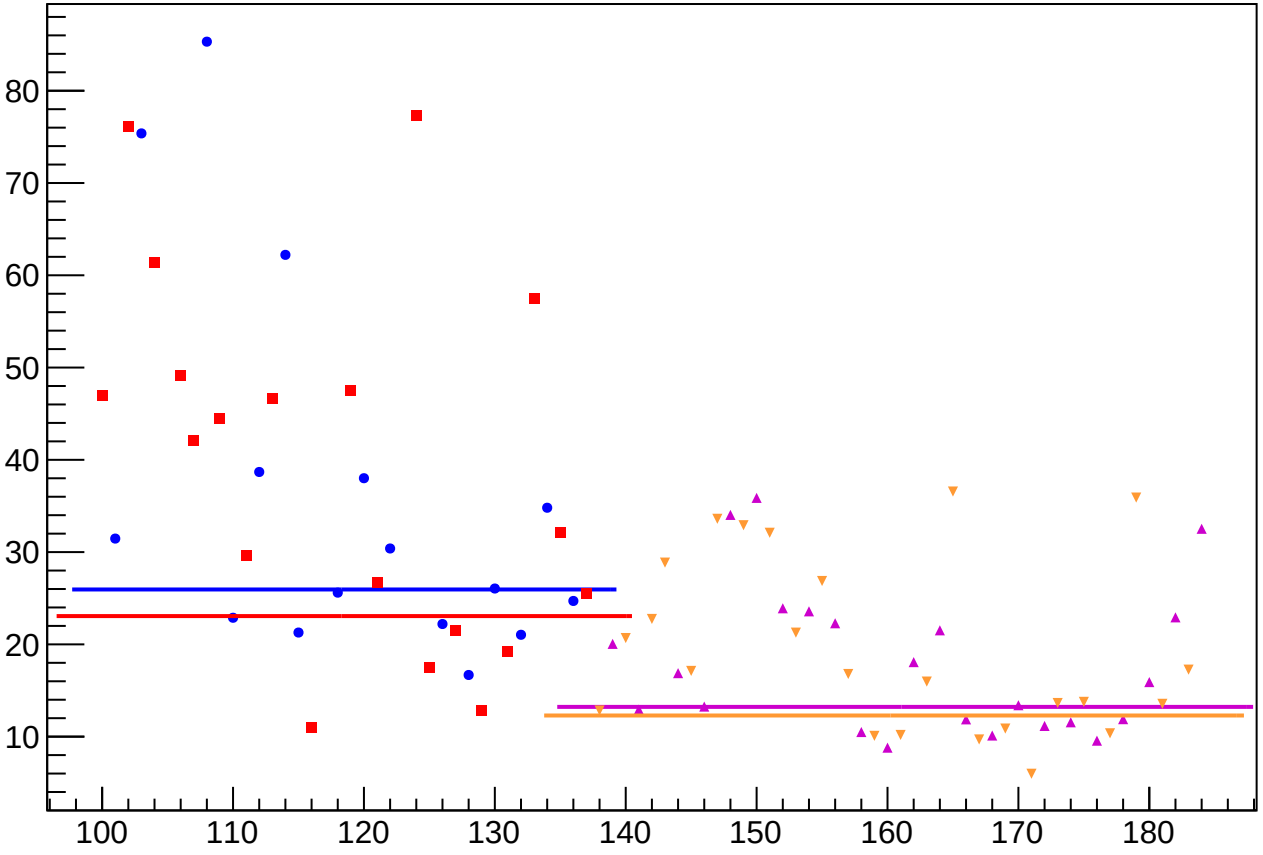
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.5/39

All: 0.007+/-0.002 χ^2/NDF: 121.6/81

- sign 0.006+/-0.003 χ^2/NDF: 47.9/41

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

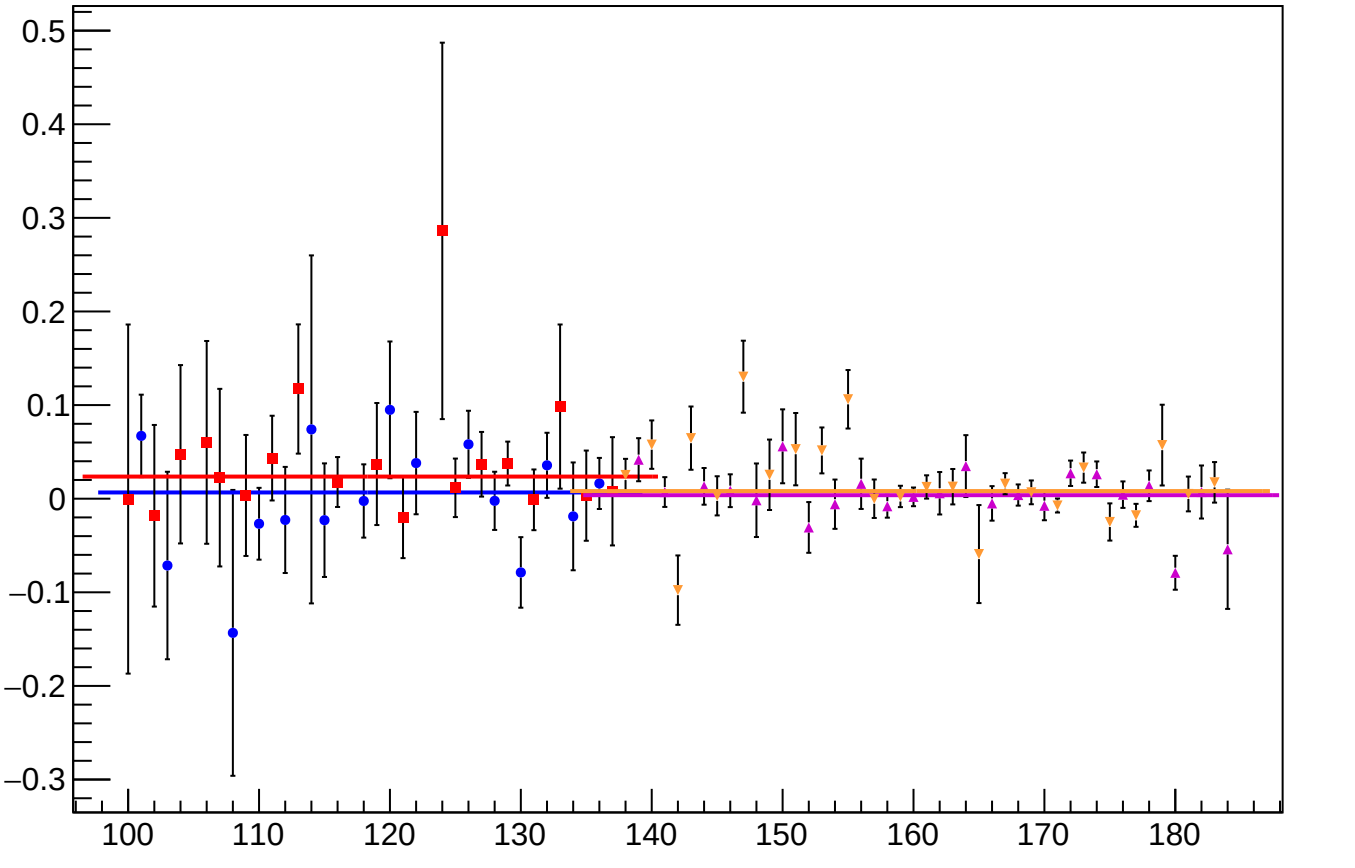
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

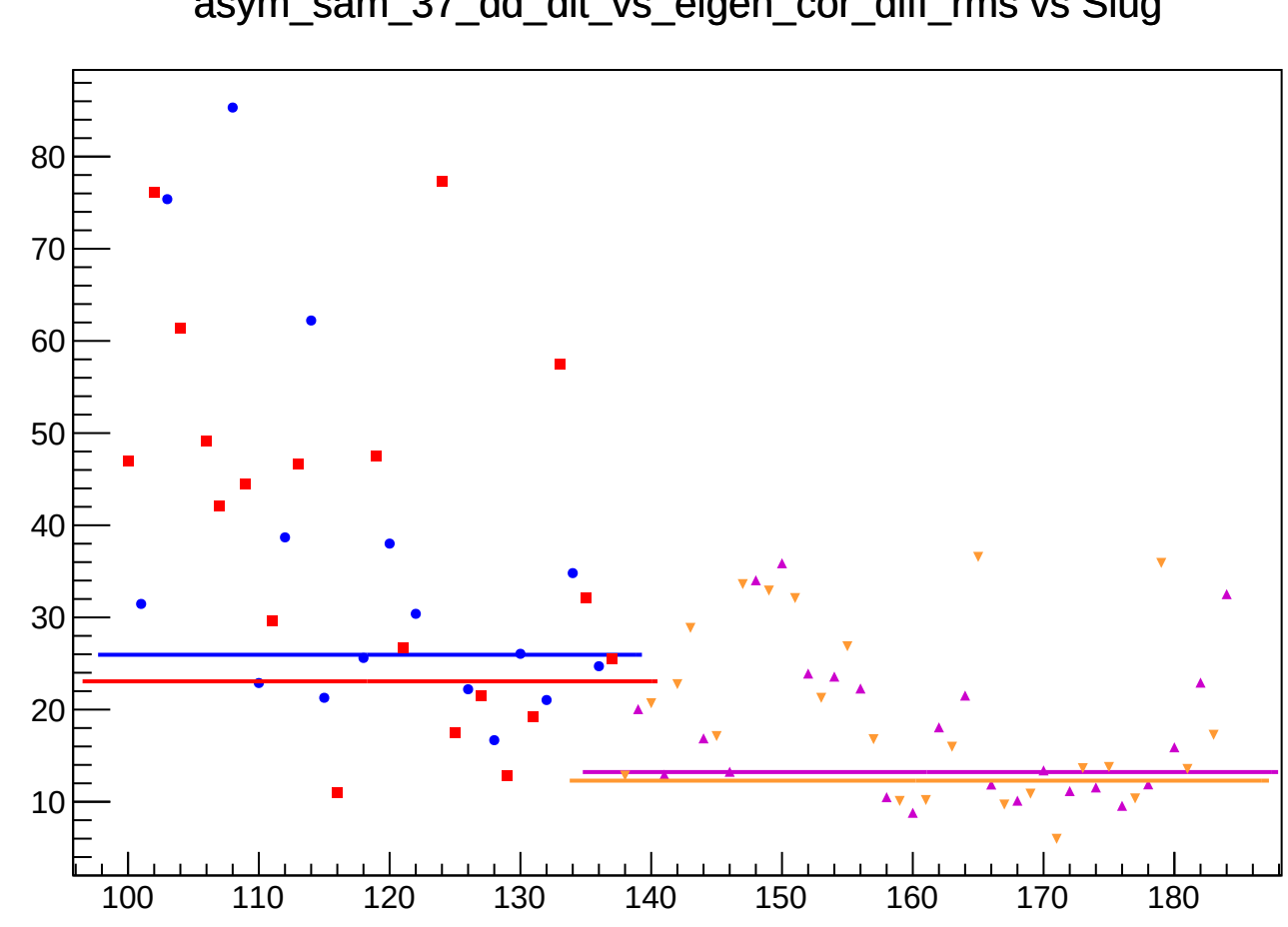
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.499+/-0.002 χ^2/NDF: 10624143.4/39

All: 13.873+/-0.002 χ^2/NDF: 19476890.6/81

- sign 14.277+/-0.002 χ^2/NDF: 8799392.0/41


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:37.2/22
+ sign 0.008+/-0.003 χ²/NDF: 73.5/39
All: 0.007+/-0.002 χ²/NDF: 121.6/81
- sign 0.006+/-0.003 χ²/NDF: 47.9/41



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.291+/-0.002 χ^2/NDF:6482193.0/23

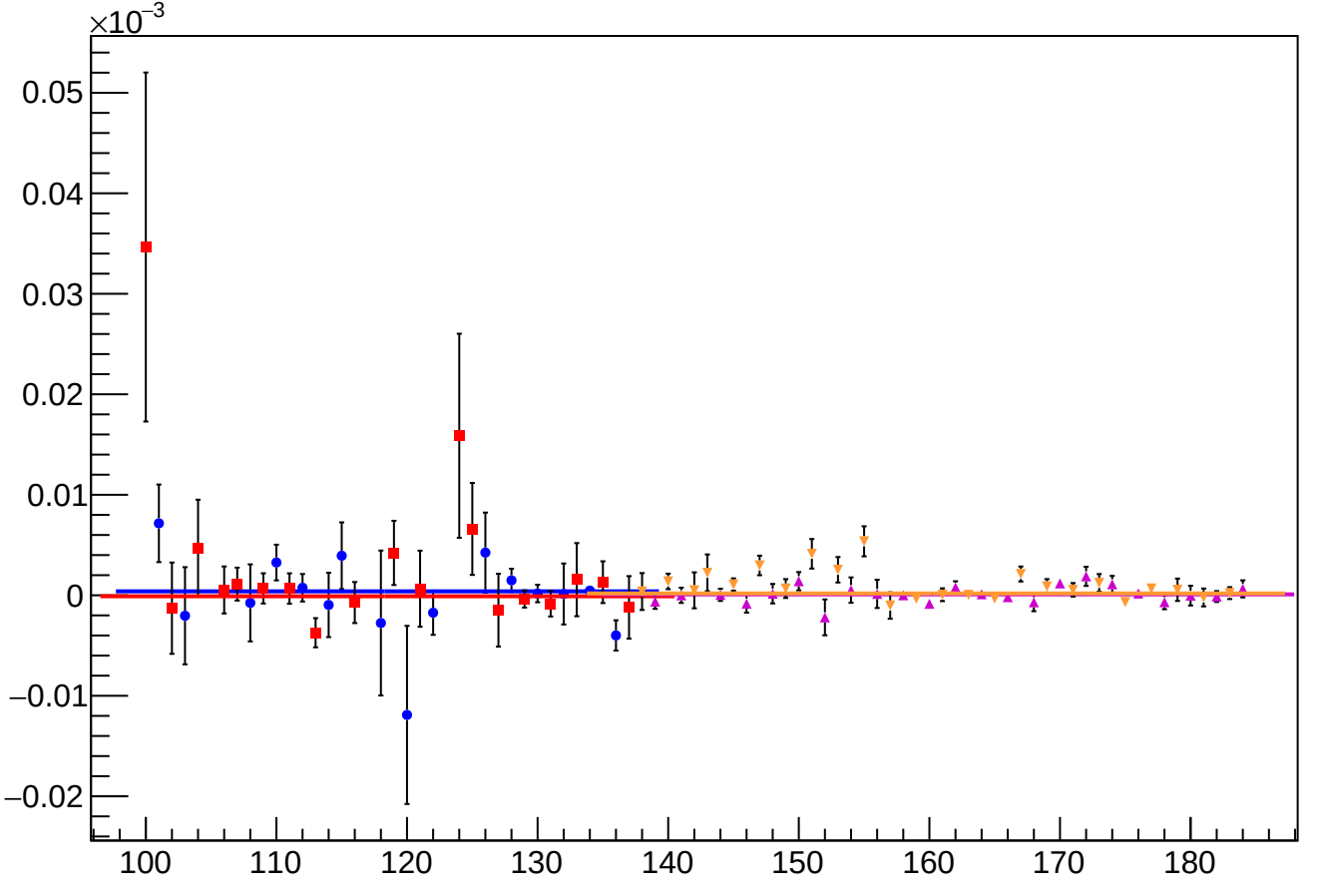
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.499+/-0.002 χ^2/NDF: 10624143.4/39

All: 13.873+/-0.002 χ^2/NDF: 19476890.6/81

- sign 14.277+/-0.002 χ^2/NDF: 8799392.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:60.2/23

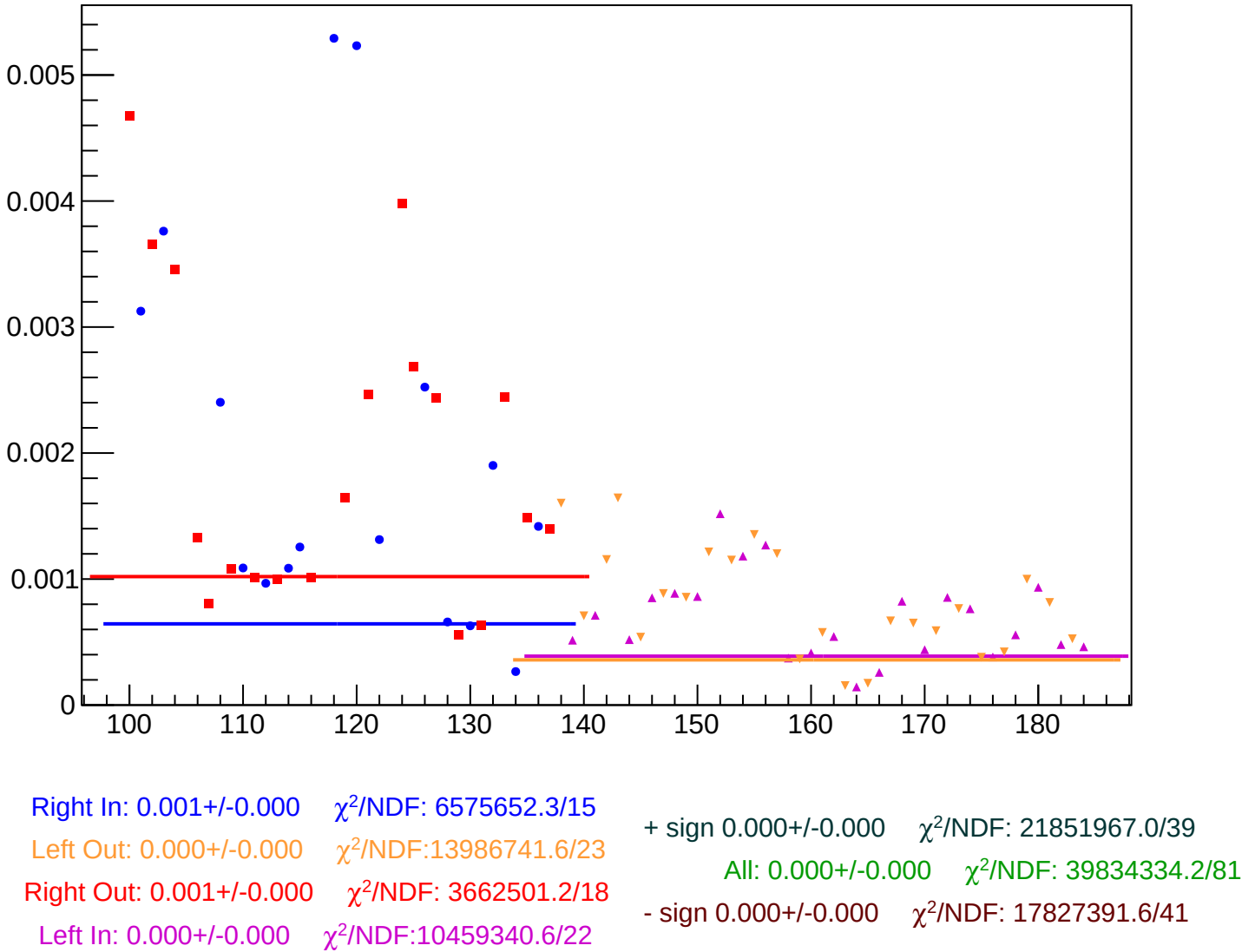
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

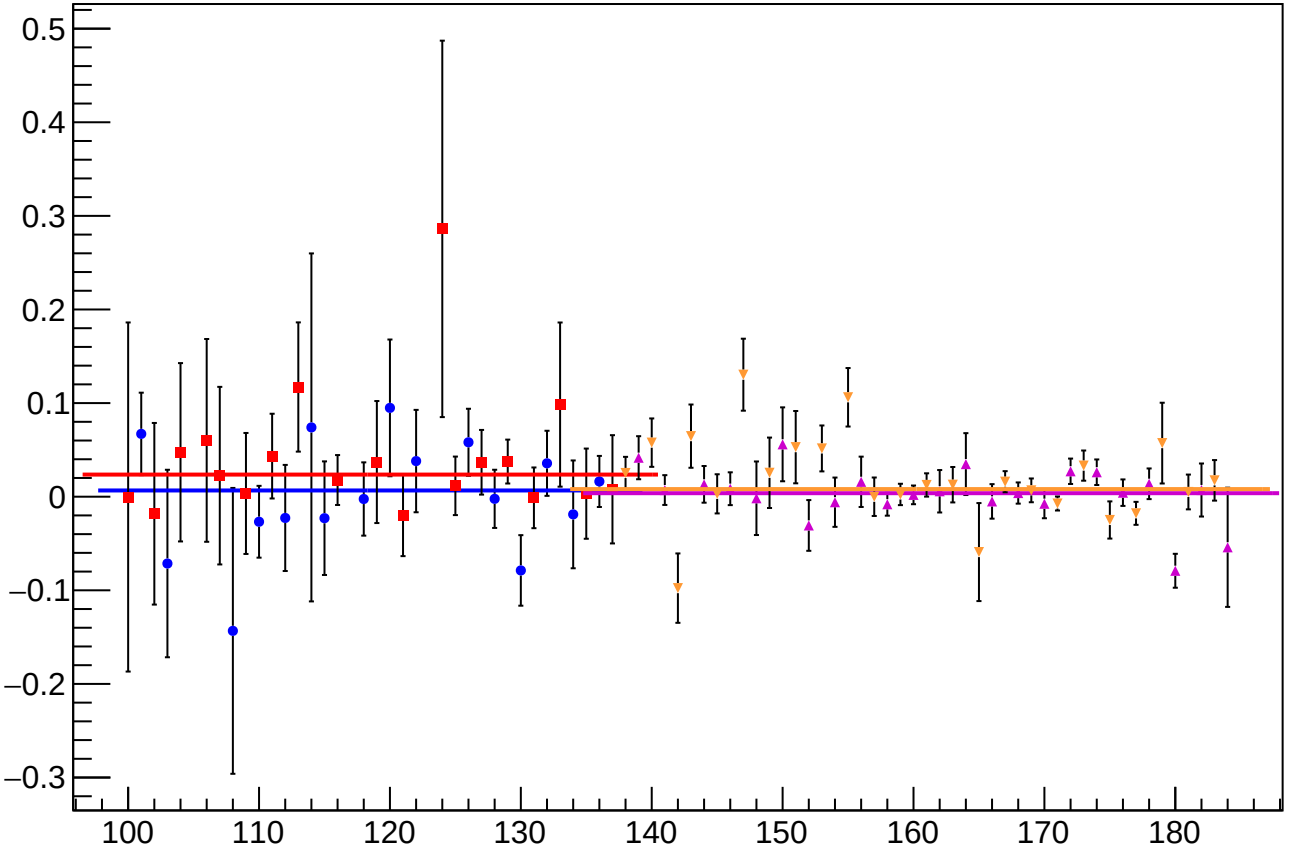
+ sign 0.000+/-0.000 χ^2/NDF: 81.4/39

All: 0.000+/-0.000 χ^2/NDF: 127.1/81

- sign 0.000+/-0.000 χ^2/NDF: 45.0/41


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.000+/-0.000 χ²/NDF:13986741.6/23
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.000+/-0.000 χ²/NDF:10459340.6/22
+ sign 0.000+/-0.000 χ²/NDF: 21851967.0/39
All: 0.000+/-0.000 χ²/NDF: 39834334.2/81
- sign 0.000+/-0.000 χ²/NDF: 17827391.6/41

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

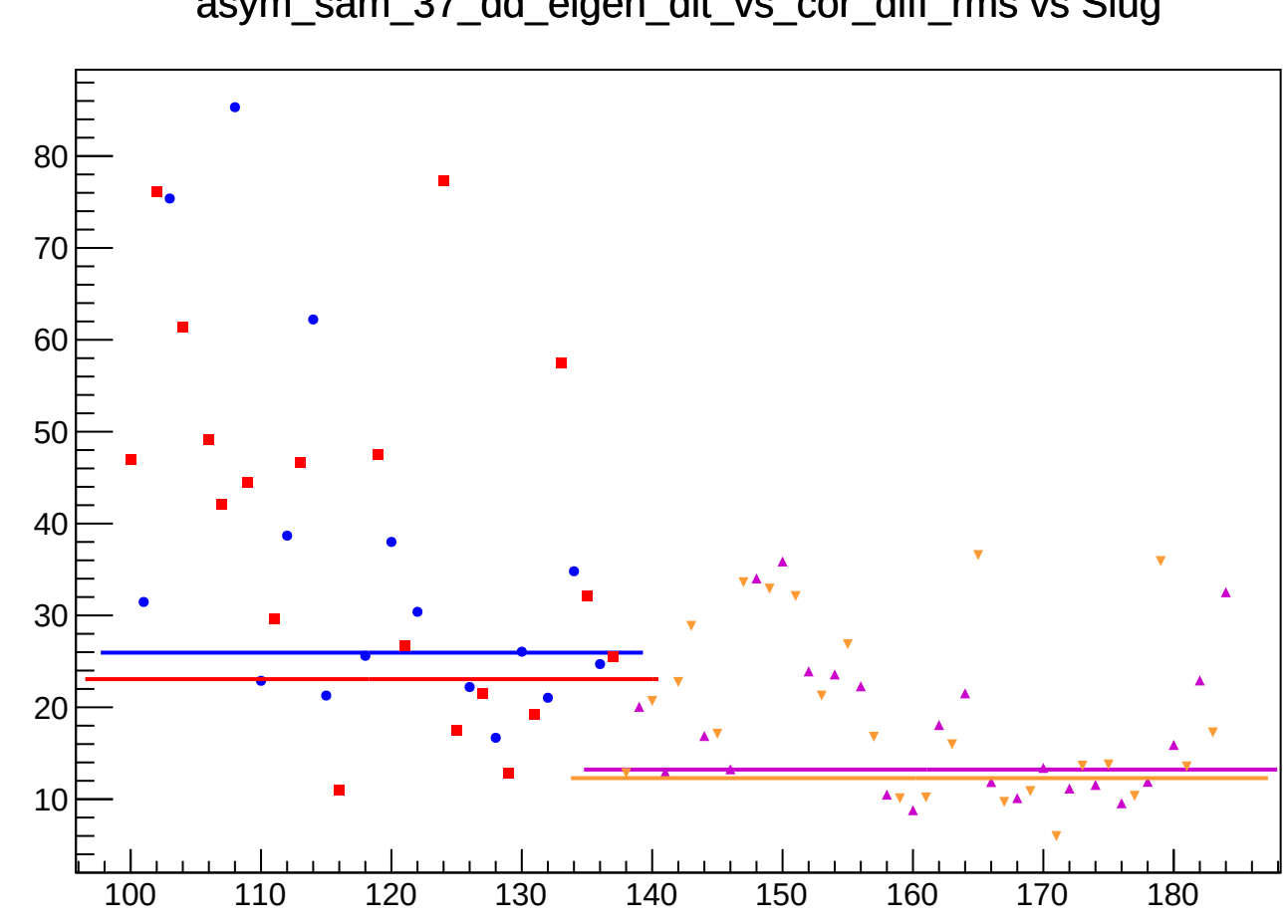
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.5/39

All: 0.007+/-0.002 χ^2/NDF: 121.6/81

- sign 0.006+/-0.003 χ^2/NDF: 47.9/41



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.292+/-0.002 χ^2/NDF:6482424.1/23

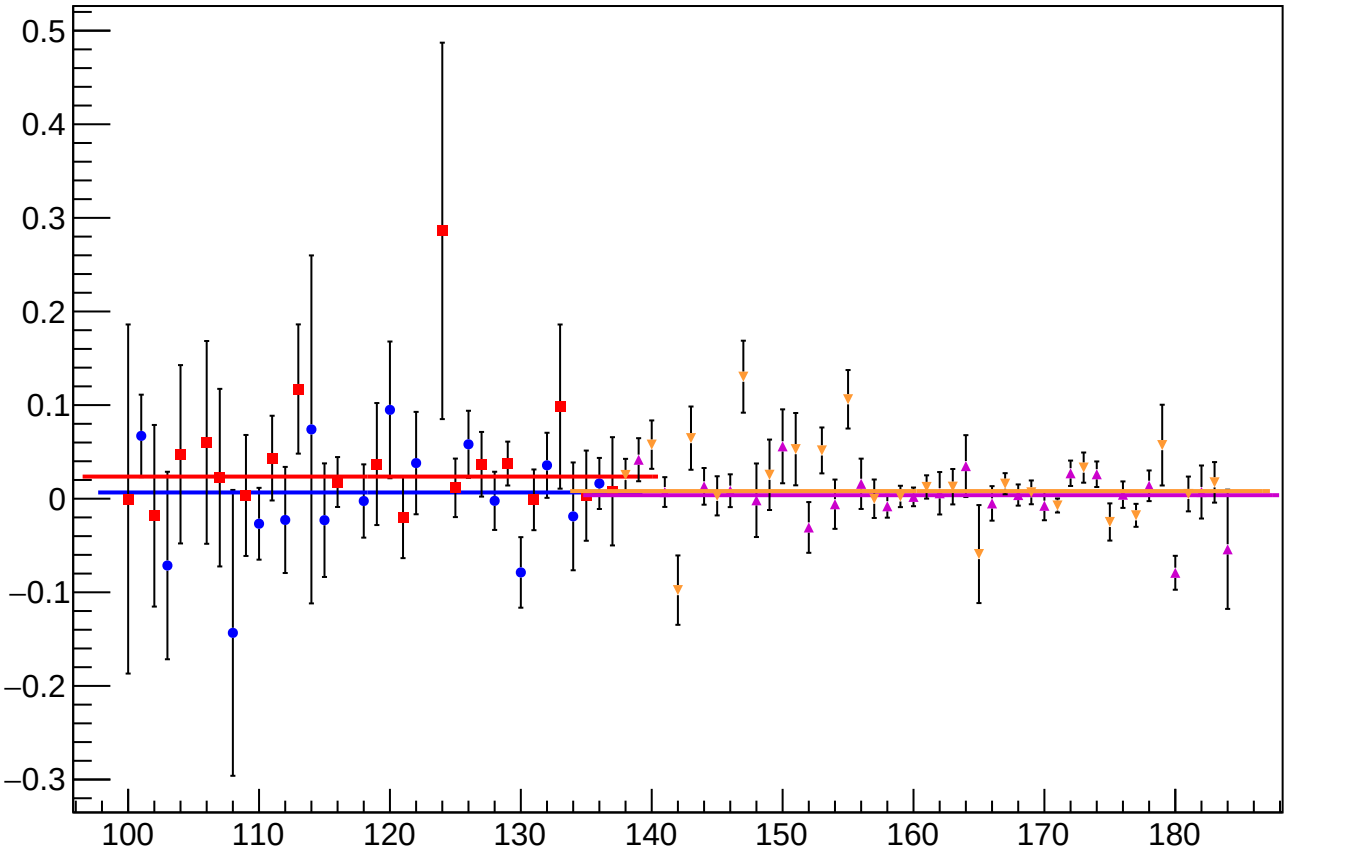
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.499+/-0.002 χ^2/NDF: 10624394.9/39

All: 13.873+/-0.002 χ^2/NDF: 19477235.6/81

- sign 14.277+/-0.002 χ^2/NDF: 8799490.2/41



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.5/23

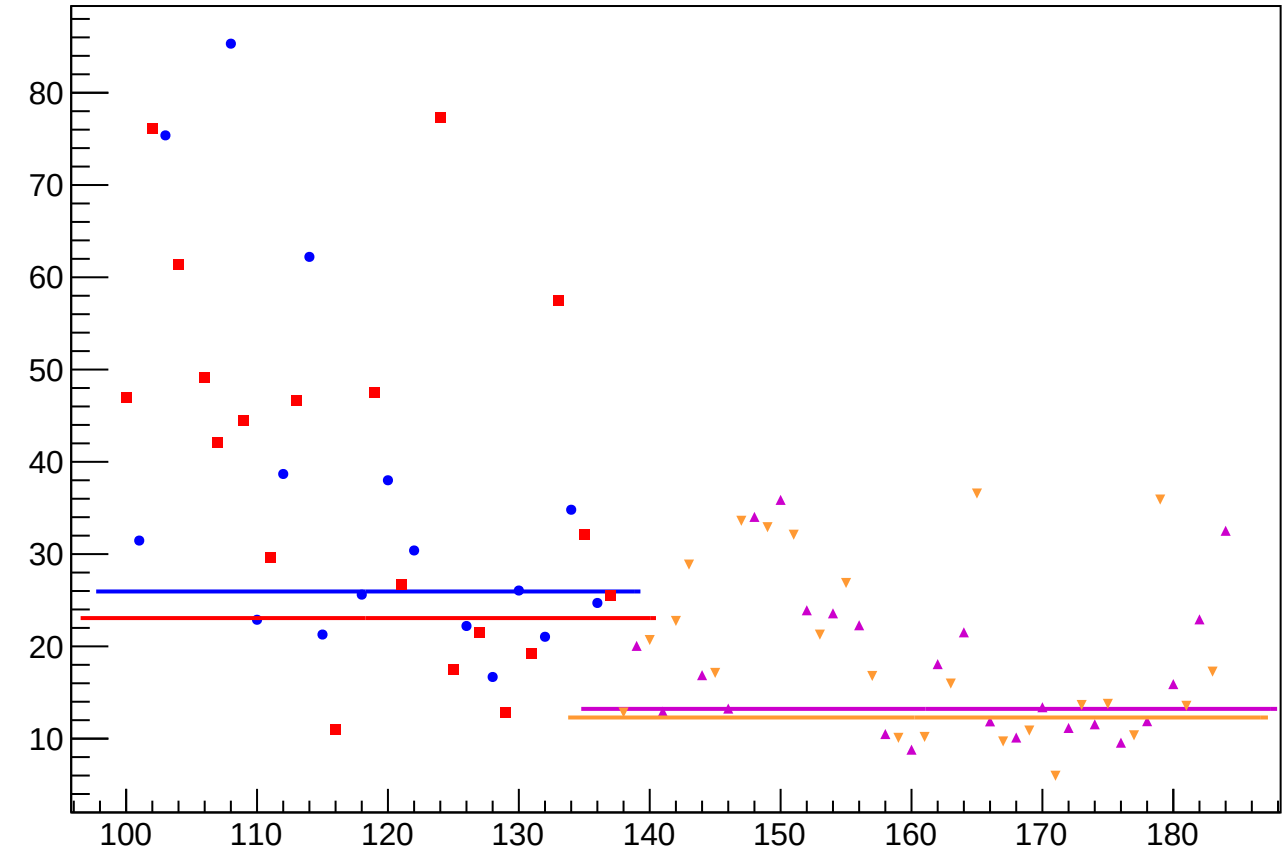
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.5/39

All: 0.007+/-0.002 χ^2/NDF: 121.6/81

- sign 0.006+/-0.003 χ^2/NDF: 47.9/41



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.292+/-0.002 χ^2/NDF:6482424.1/23

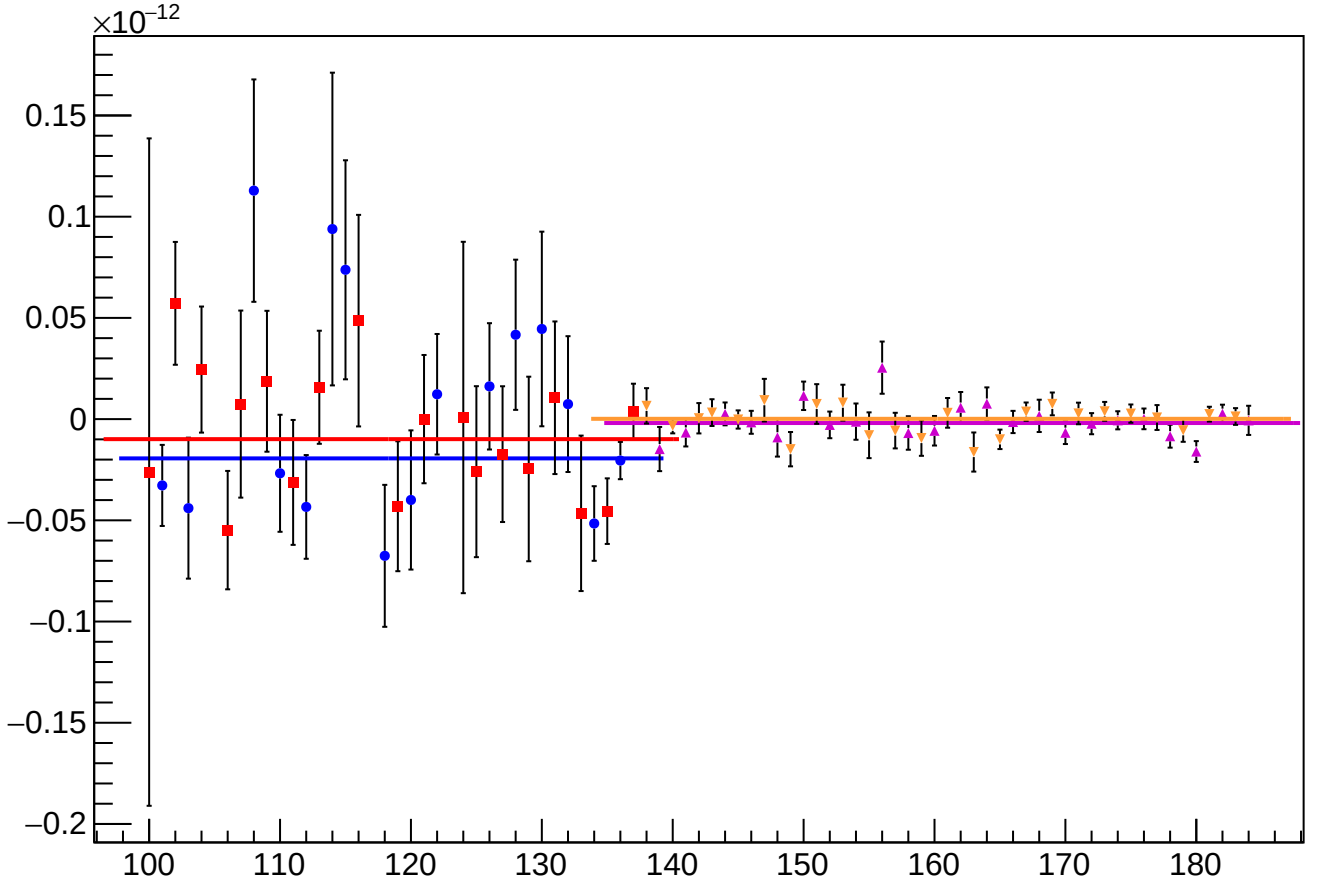
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.499+/-0.002 χ^2/NDF: 10624394.9/39

All: 13.873+/-0.002 χ^2/NDF: 19477235.6/81

- sign 14.277+/-0.002 χ^2/NDF: 8799490.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/23

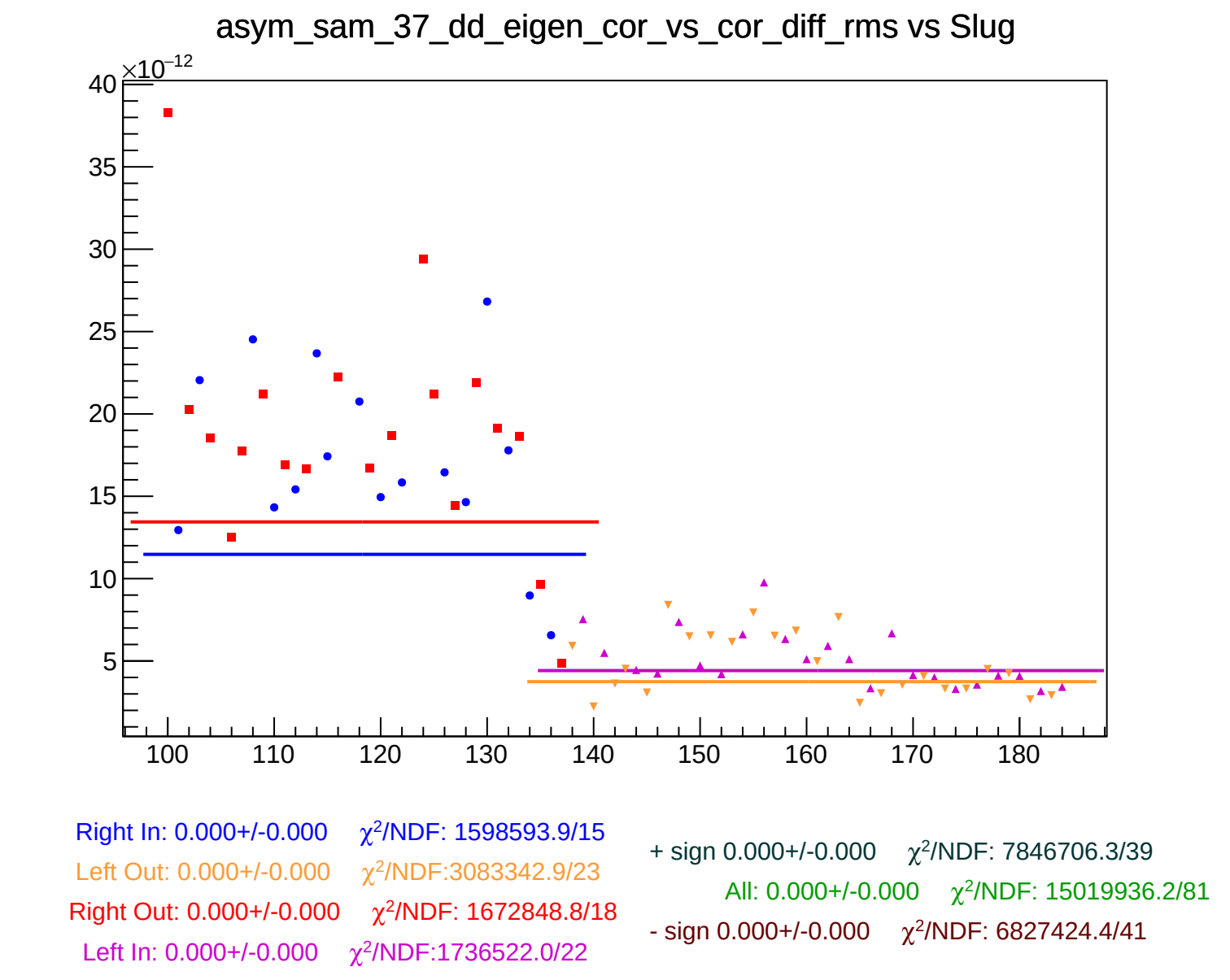
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

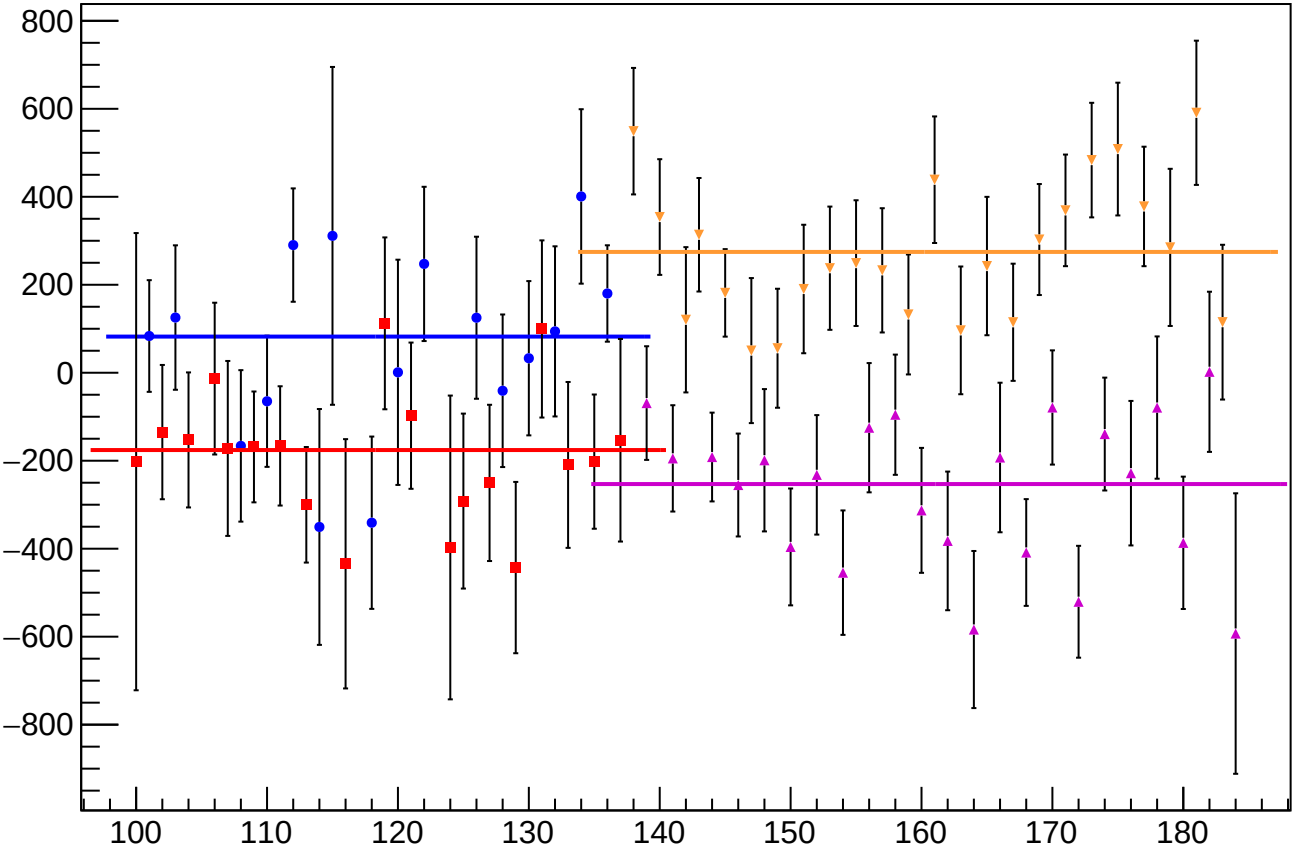
+ sign -0.000+/-0.000 χ^2/NDF: 57.3/39

All: -0.000+/-0.000 χ^2/NDF: 105.3/81

- sign -0.000+/-0.000 χ^2/NDF: 47.1/41


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:1736522.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7846706.3/39
All: 0.000+/-0.000 χ²/NDF: 15019936.2/81
- sign 0.000+/-0.000 χ²/NDF: 6827424.4/41

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

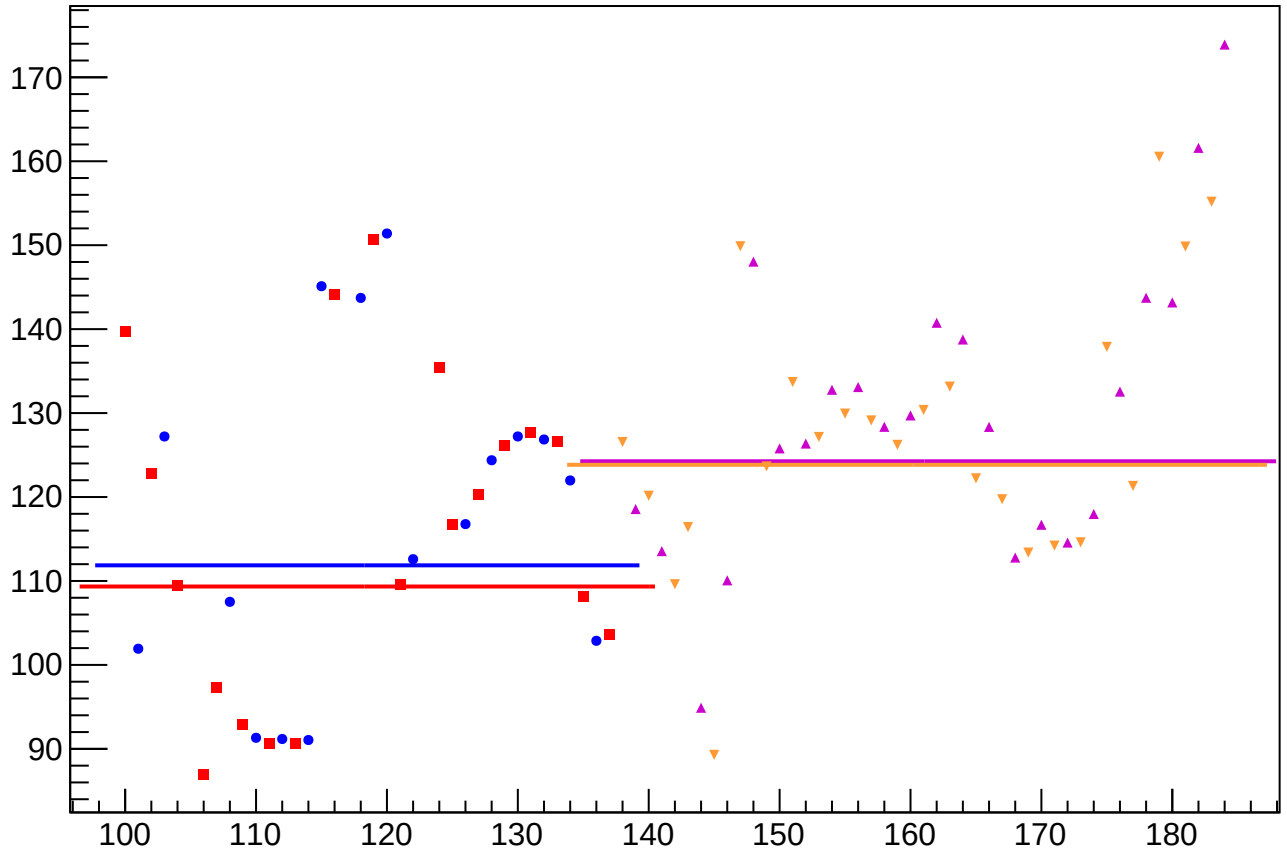
Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 213.918+/-23.669 χ^2/NDF: 59.6/39

All: -5.318+/-16.776 χ^2/NDF: 270.4/81

- sign -226.617+/-23.781 χ^2/NDF: 38.4/41



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

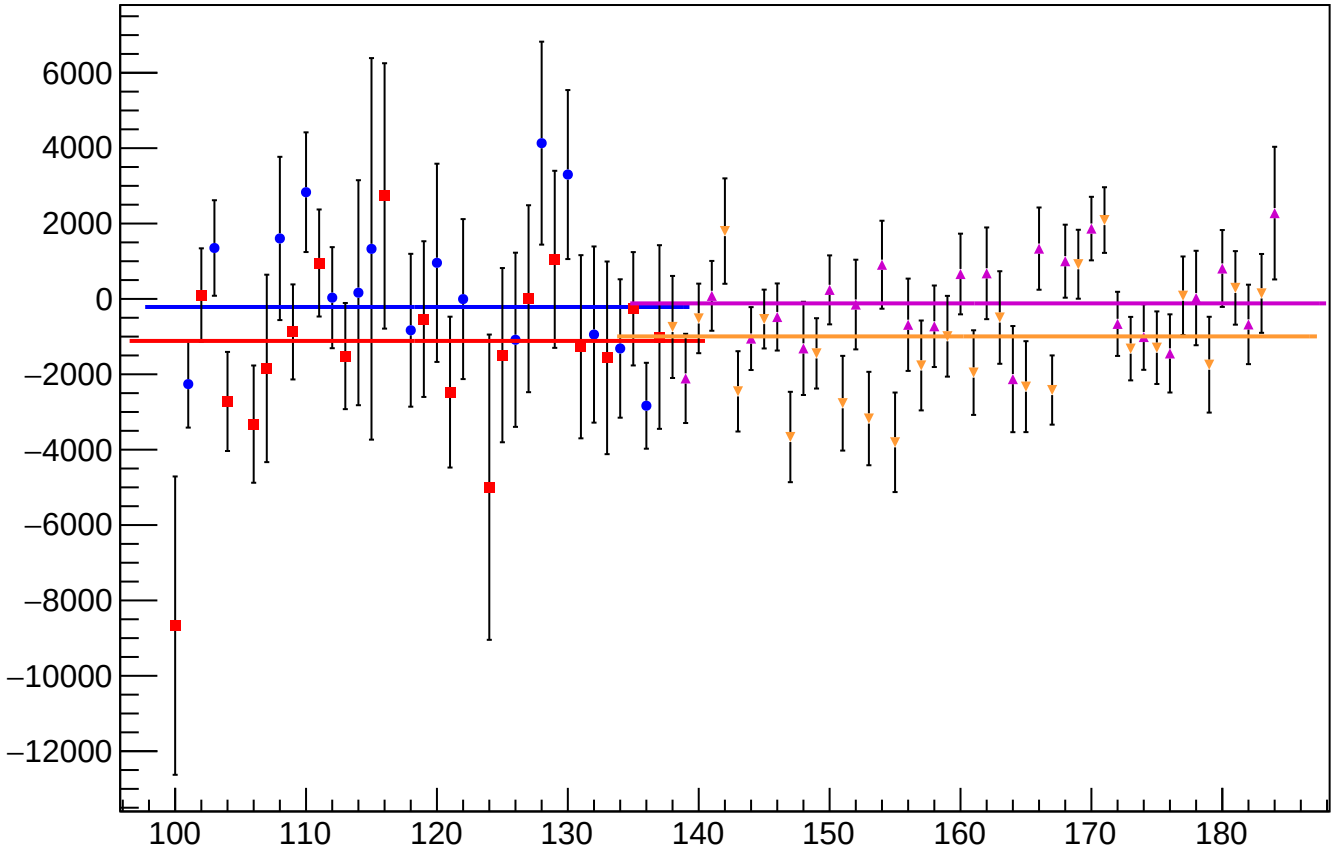
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.059+/-0.017 χ^2/NDF: 1014906.5/39

All: 119.611+/-0.012 χ^2/NDF: 2117875.3/81

- sign 119.159+/-0.017 χ^2/NDF: 1101528.5/41

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

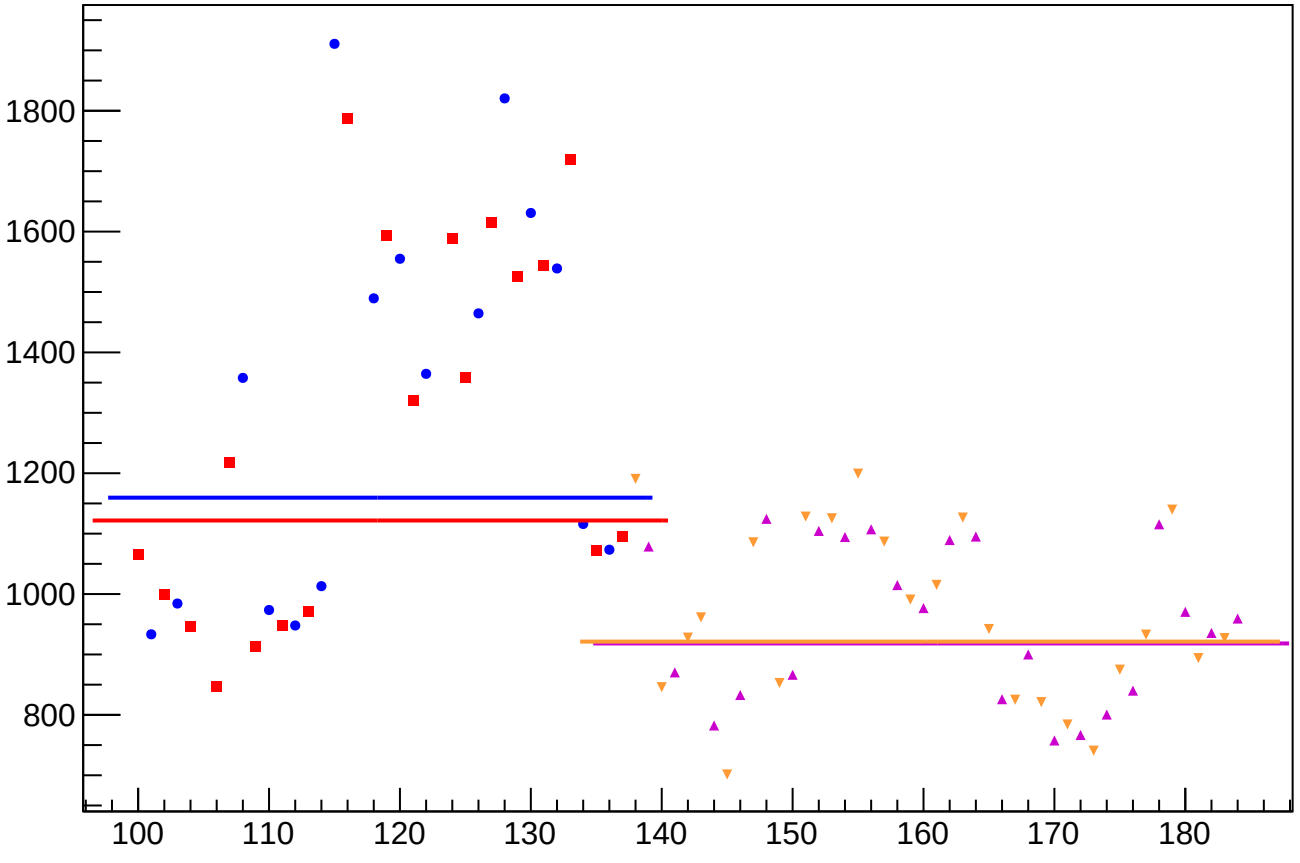
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -847.536+/-192.674 χ^2/NDF: 70.7/39

All: -587.582+/-136.425 χ^2/NDF: 117.7/81

- sign -326.217+/-193.196 χ^2/NDF: 43.3/41

asym_sam_48_dd_reg_correction_rms vs Slug



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

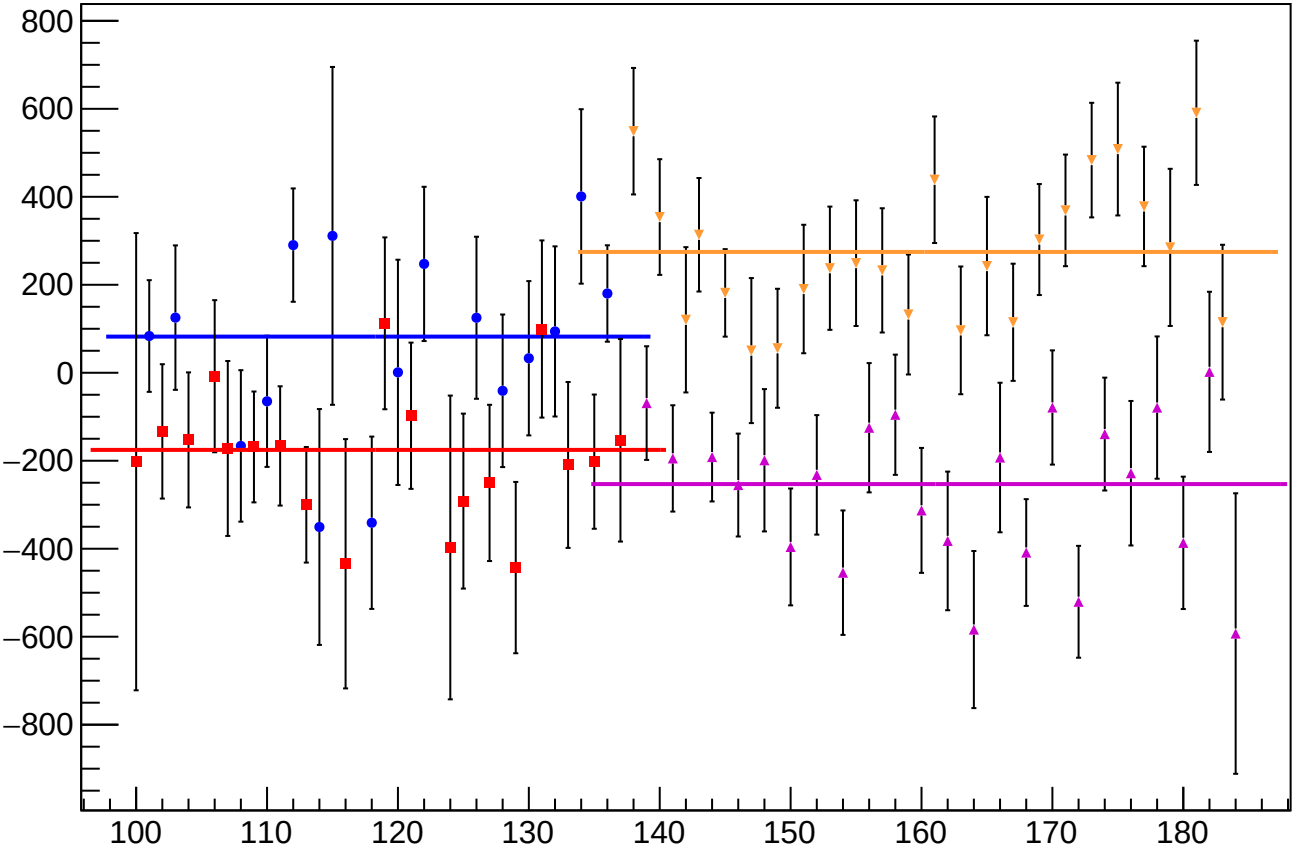
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 966.162+/-0.136 χ^2/NDF: 2021579.9/39

All: 963.421+/-0.096 χ^2/NDF: 3837344.2/81

- sign 960.664+/-0.137 χ^2/NDF: 1814952.3/41

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

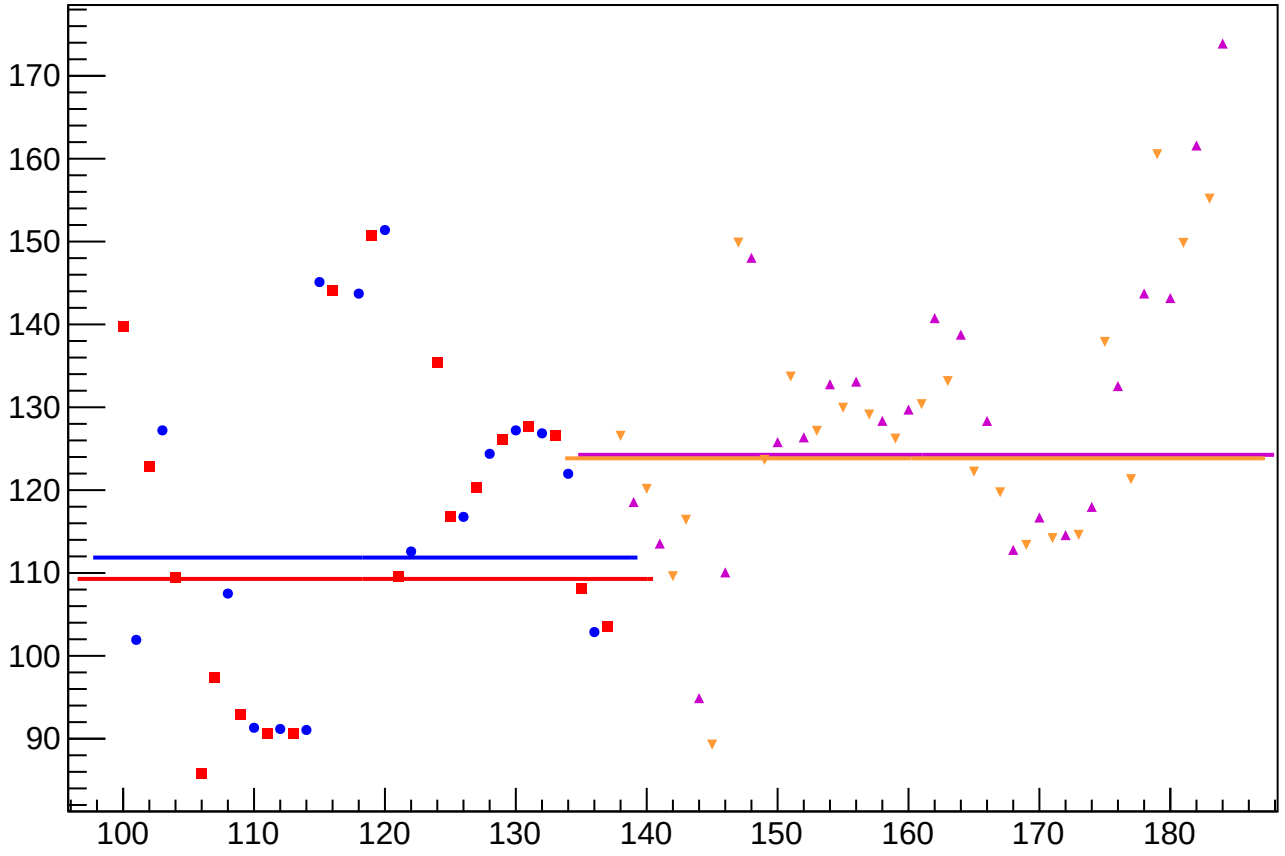
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 213.919+/-23.669 χ^2/NDF: 59.6/39

All: -5.243+/-16.776 χ^2/NDF: 270.4/81

- sign -226.490+/-23.782 χ^2/NDF: 38.5/41

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

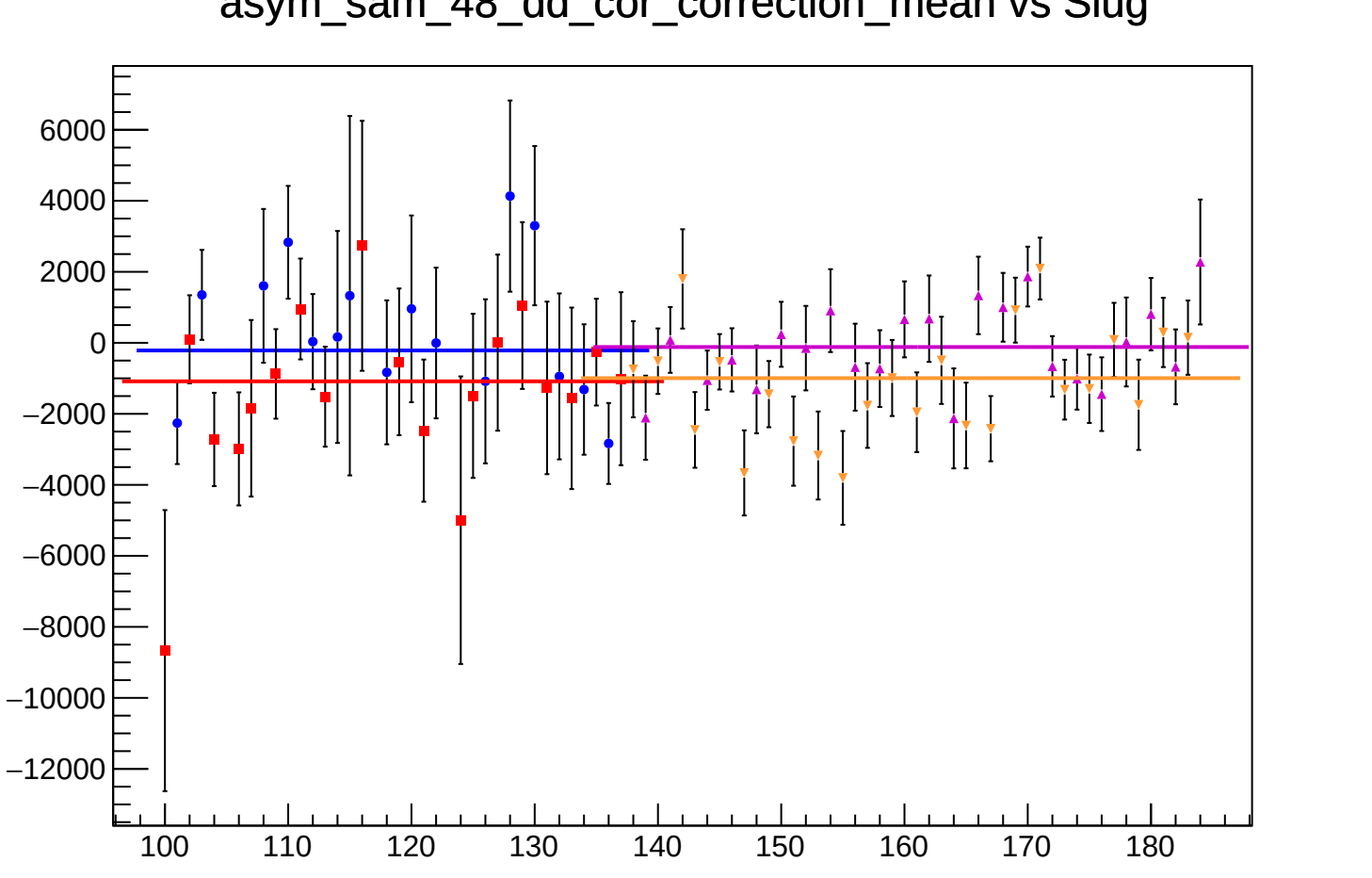
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.059+/-0.017 χ^2/NDF: 1014907.1/39

All: 119.602+/-0.012 χ^2/NDF: 2122729.8/81

- sign 119.141+/-0.017 χ^2/NDF: 1106323.3/41



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -994.498+/-213.864 χ^2/NDF:47.8/23

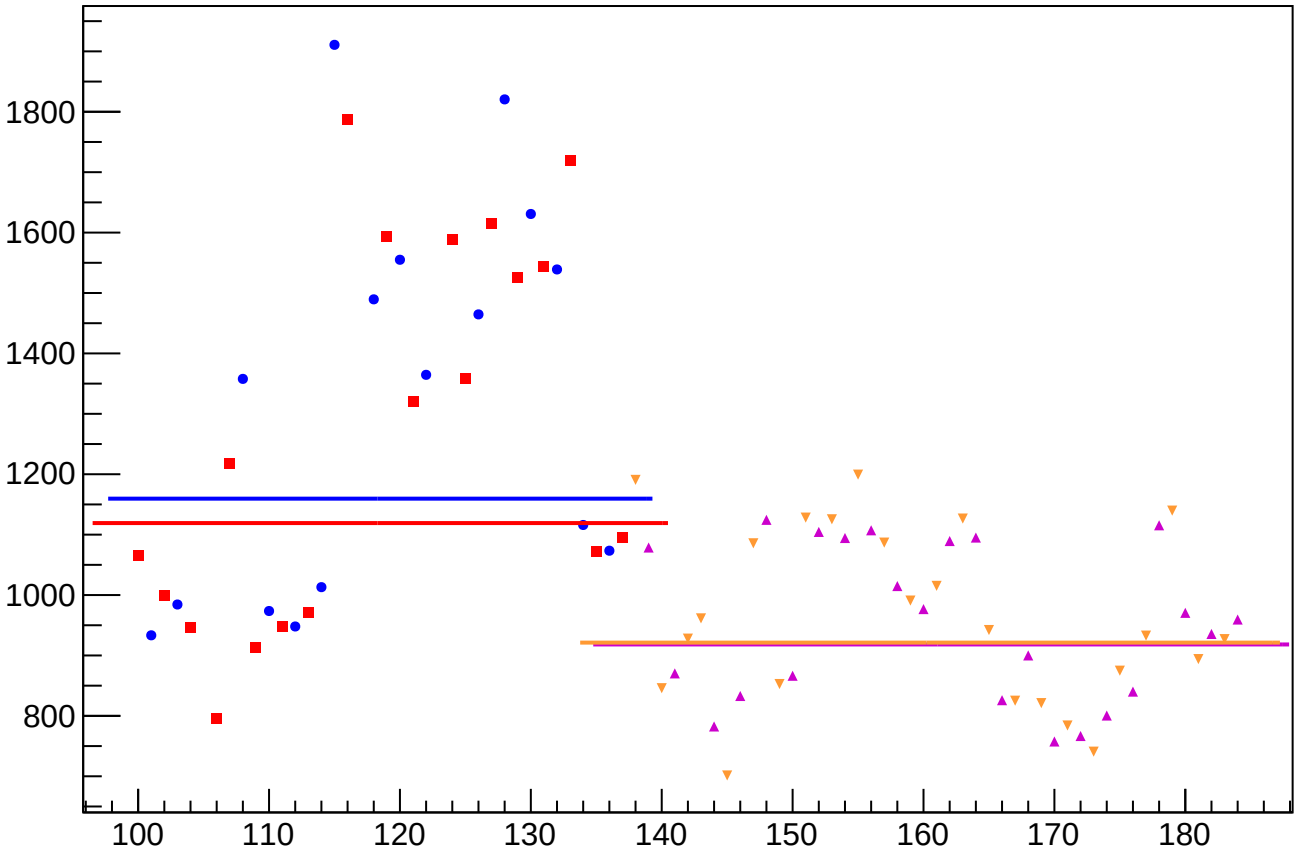
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -847.549+/-192.674 χ^2/NDF: 70.7/39

All: -584.211+/-136.450 χ^2/NDF: 116.9/81

- sign -319.251+/-193.266 χ^2/NDF: 42.4/41



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

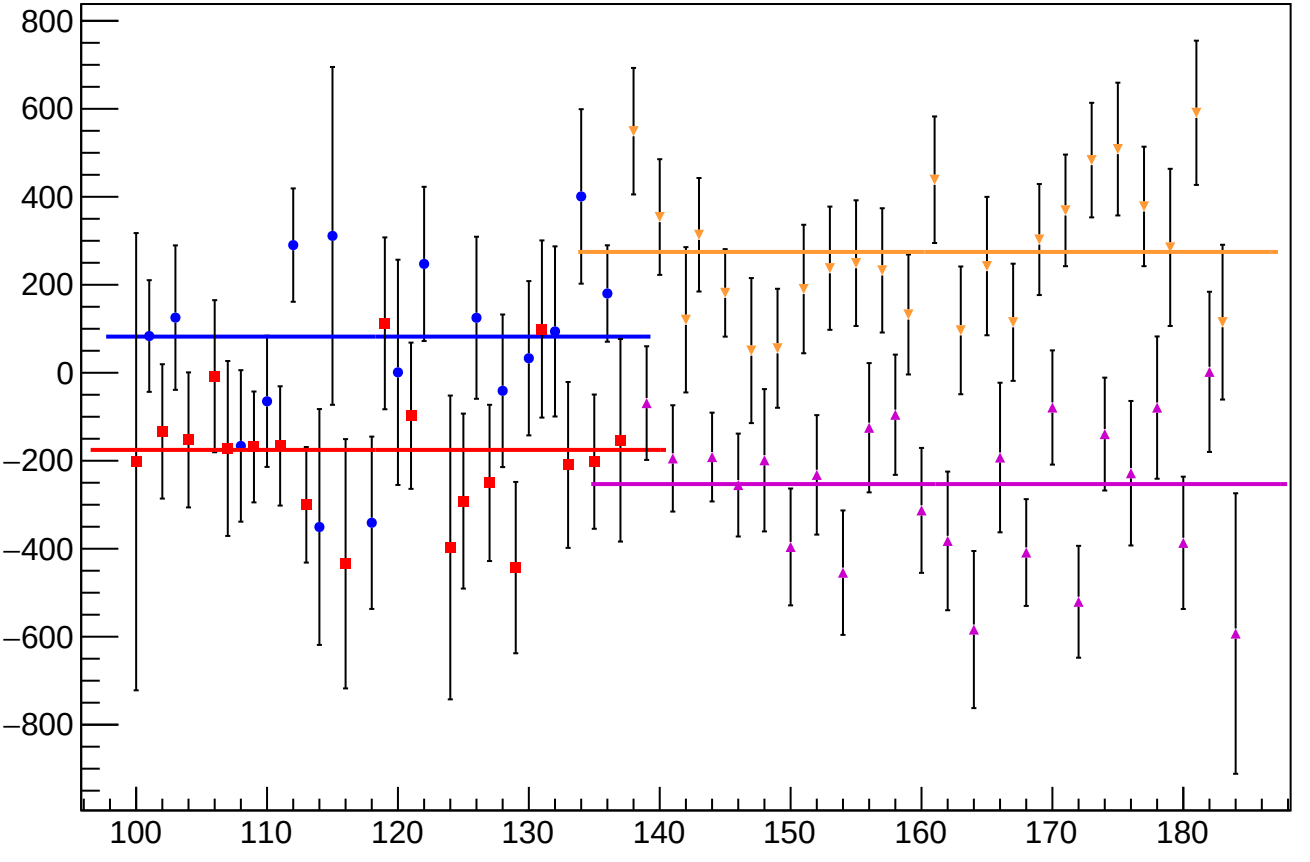
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 966.164+/-0.136 χ^2/NDF: 2021581.6/39

All: 963.095+/-0.096 χ^2/NDF: 3848164.6/81

- sign 960.008+/-0.137 χ^2/NDF: 1825565.5/41

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

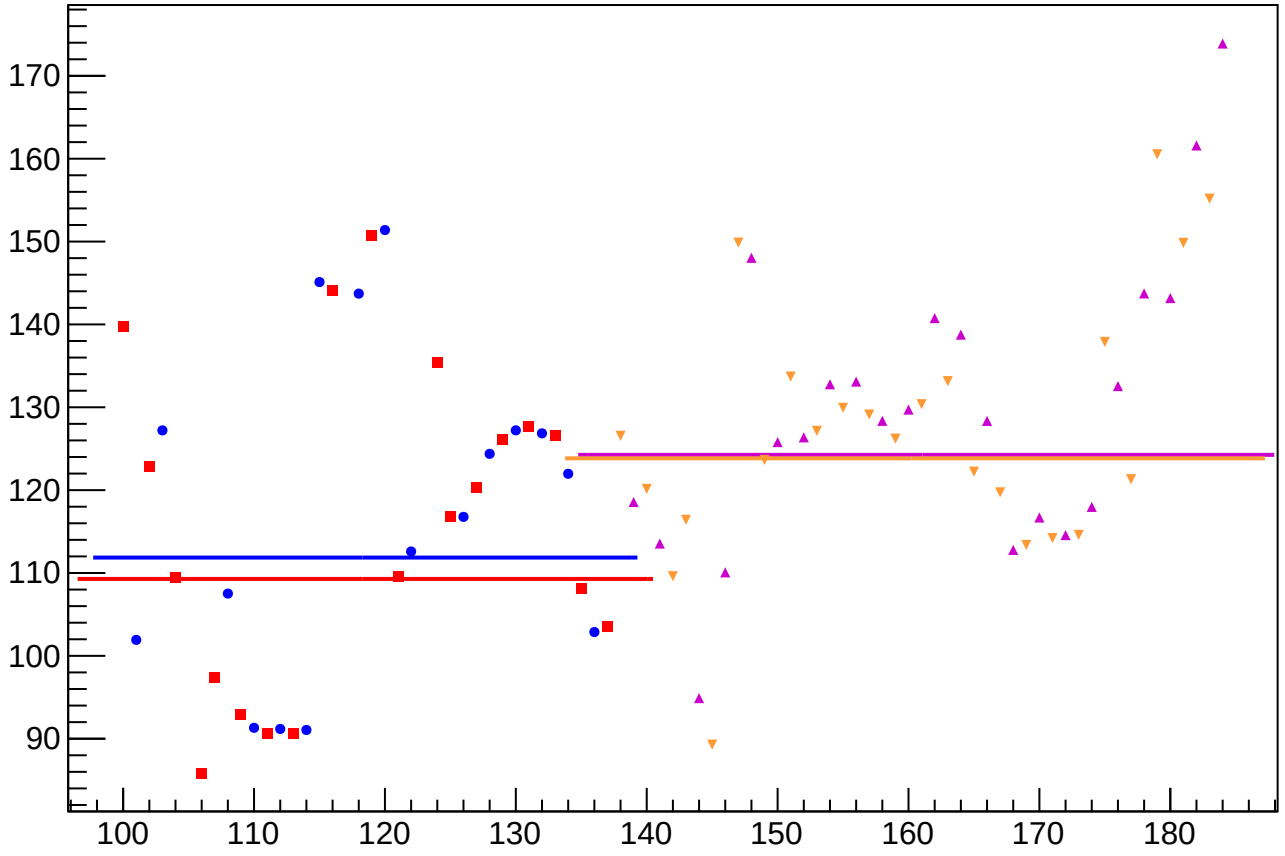
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 213.919+/-23.669 χ^2/NDF: 59.6/39

All: -5.243+/-16.776 χ^2/NDF: 270.4/81

- sign -226.490+/-23.782 χ^2/NDF: 38.5/41

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

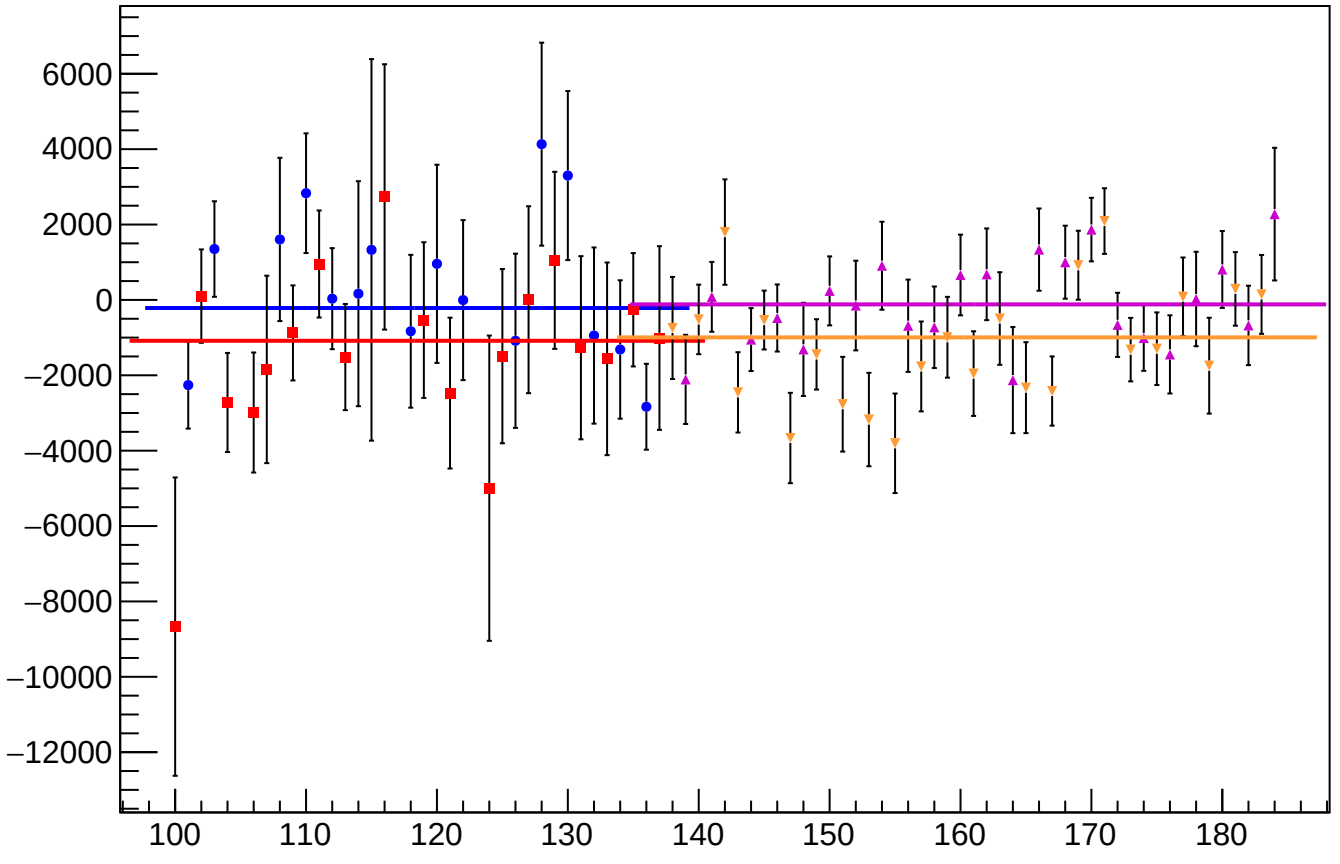
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.059+/-0.017 χ^2/NDF: 1014907.1/39

All: 119.602+/-0.012 χ^2/NDF: 2122729.8/81

- sign 119.141+/-0.017 χ^2/NDF: 1106323.3/41



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -994.498+/-213.864 χ^2/NDF:47.8/23

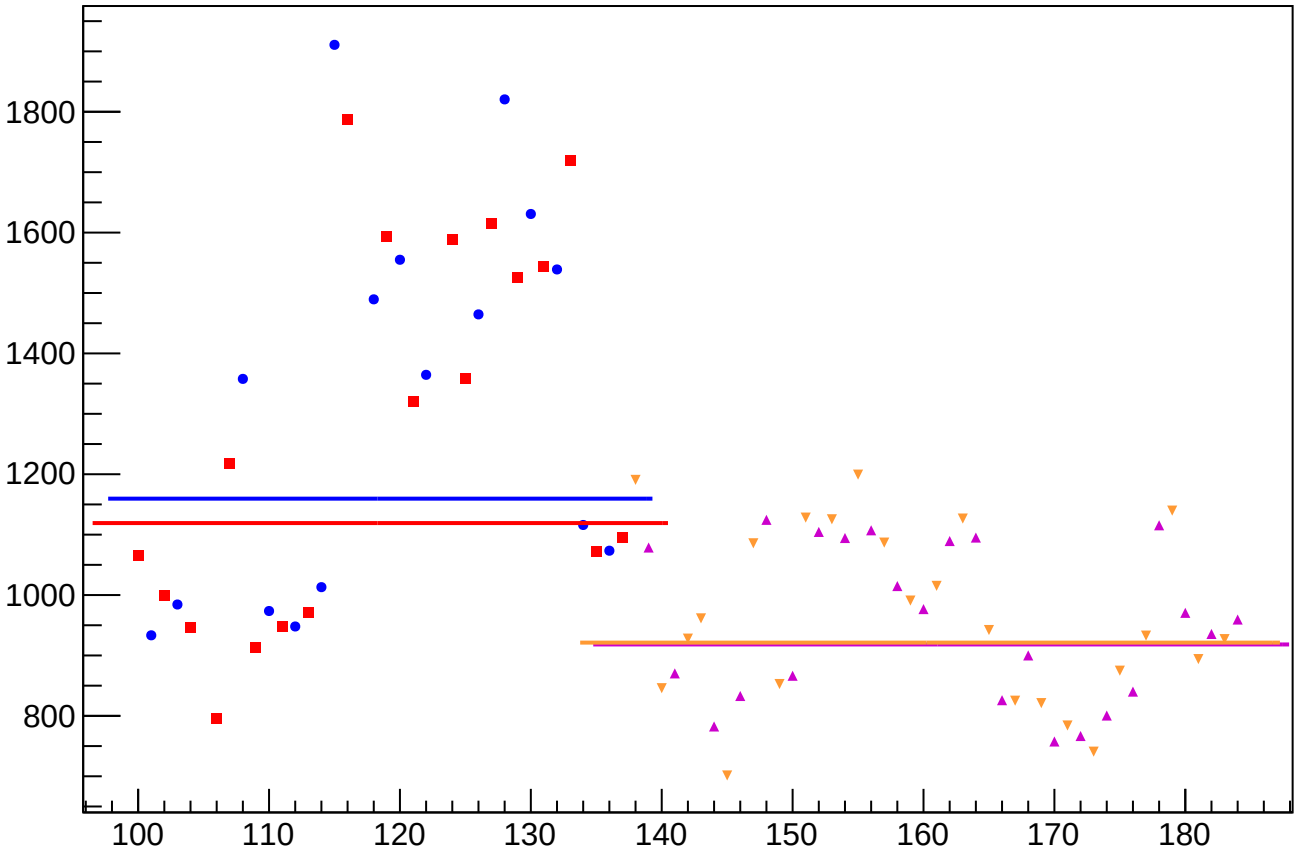
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -847.549+/-192.674 χ^2/NDF: 70.7/39

All: -584.211+/-136.450 χ^2/NDF: 116.9/81

- sign -319.251+/-193.266 χ^2/NDF: 42.4/41



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

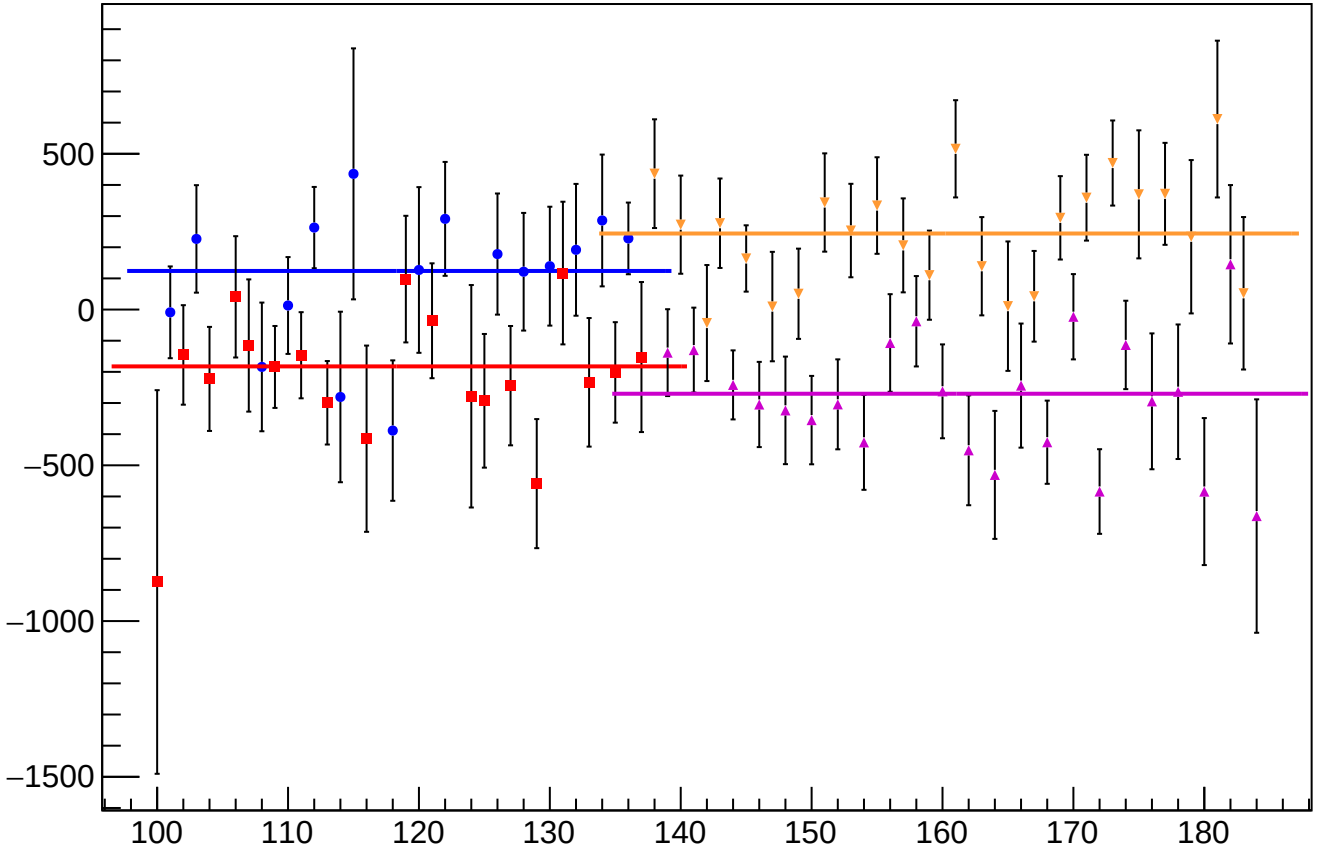
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 966.164+/-0.136 χ^2/NDF: 2021581.6/39

All: 963.095+/-0.096 χ^2/NDF: 3848164.6/81

- sign 960.008+/-0.137 χ^2/NDF: 1825565.5/41

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

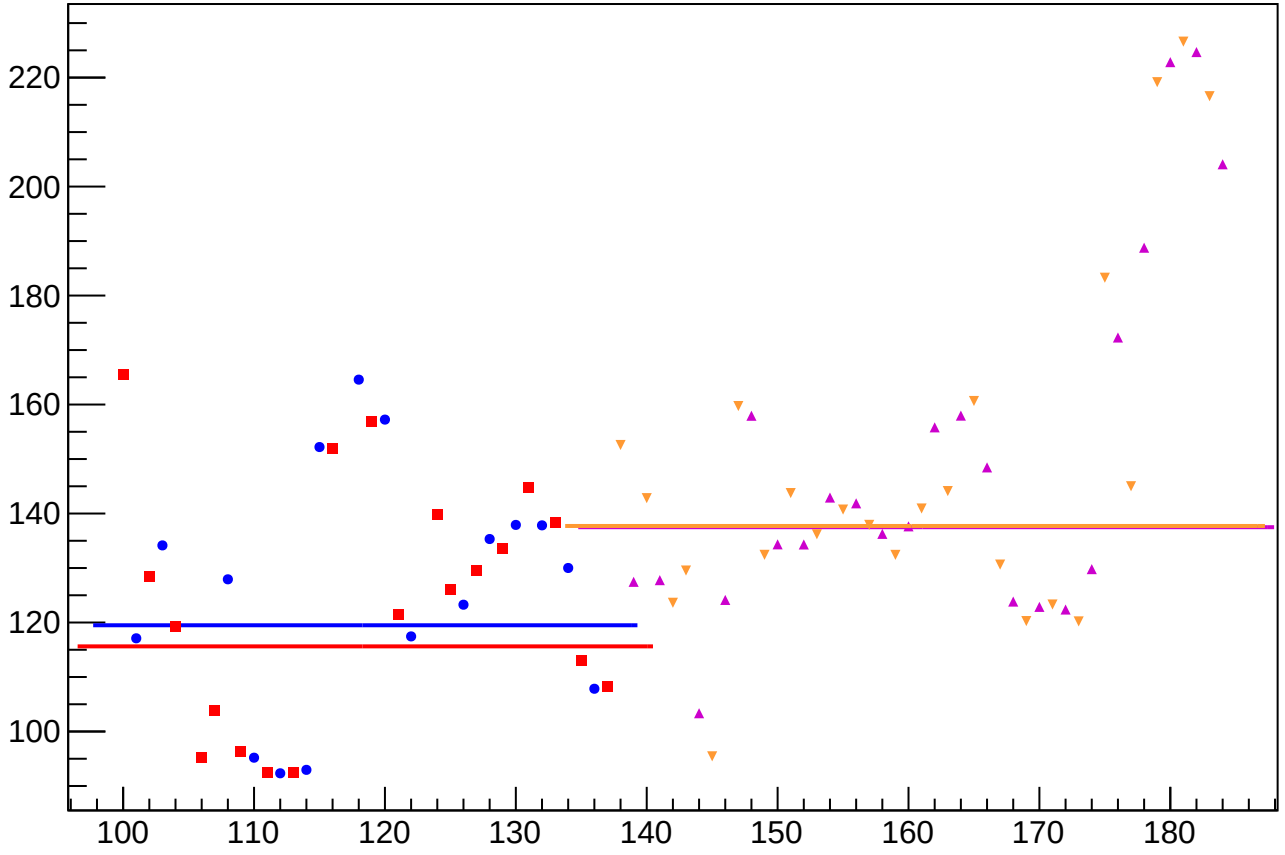
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 203.606+/-26.260 χ^2/NDF: 43.6/39

All: -17.930+/-18.539 χ^2/NDF: 227.1/81

- sign -238.053+/-26.176 χ^2/NDF: 41.6/41

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

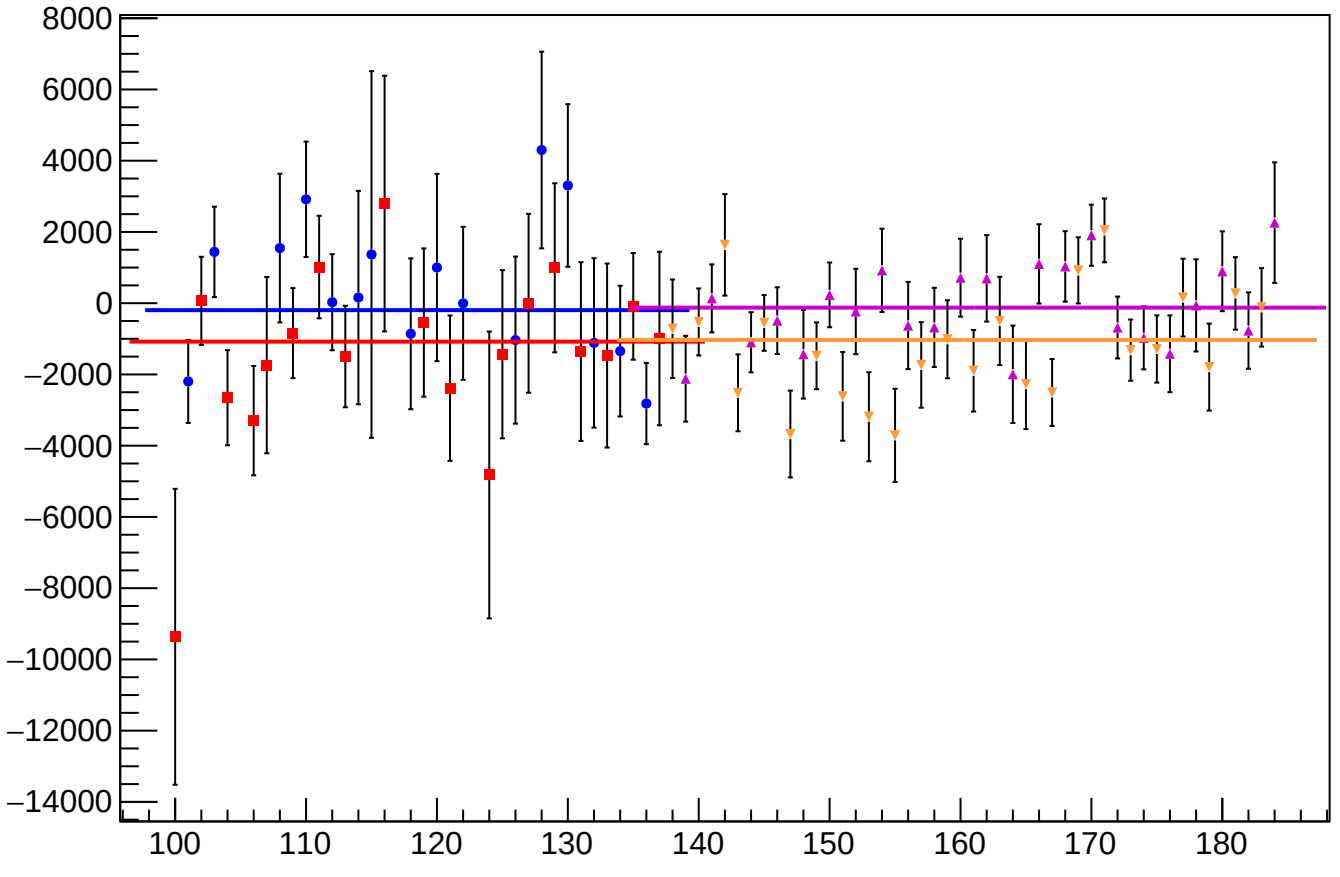
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 131.576+/-0.019 χ^2/NDF: 1886356.9/39

All: 130.520+/-0.013 χ^2/NDF: 3753322.2/81

- sign 129.471+/-0.019 χ^2/NDF: 1860516.9/41



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

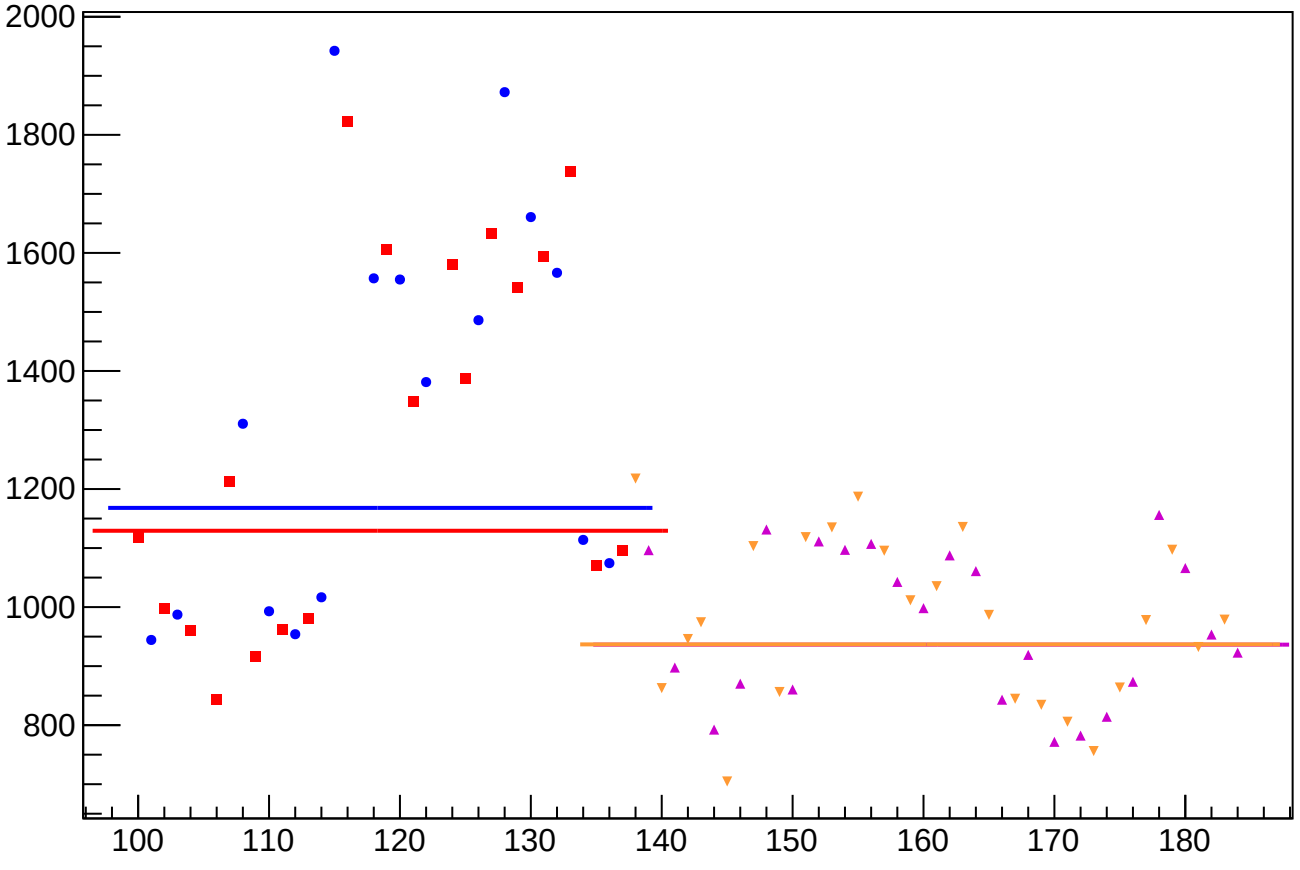
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -872.050+/-195.364 χ^2/NDF: 67.9/39

All: -601.419+/-138.517 χ^2/NDF: 114.2/81

- sign -327.842+/-196.424 χ^2/NDF: 42.4/41

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

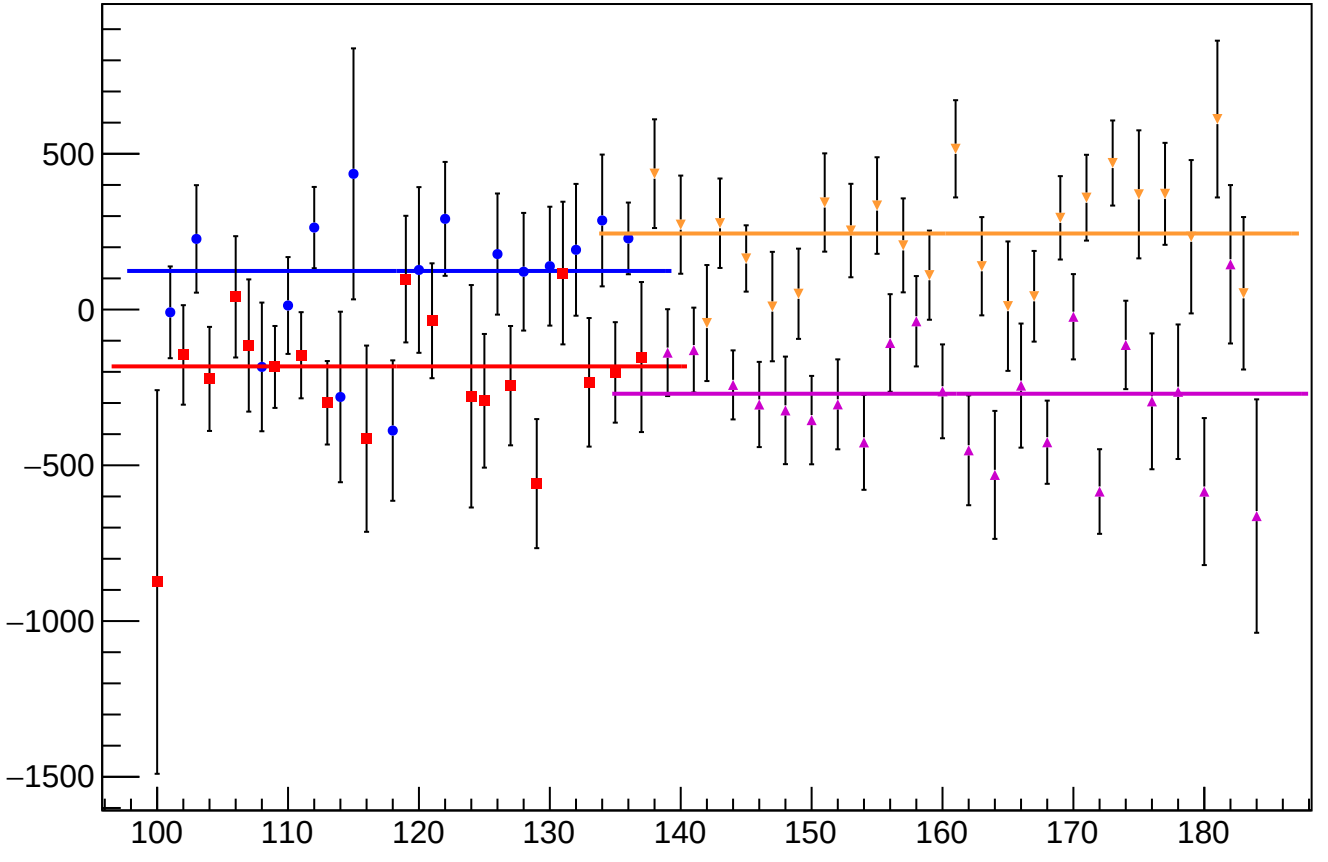
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 980.935+/-0.138 χ^2/NDF: 1974257.0/39

All: 979.181+/-0.098 χ^2/NDF: 3747629.1/81

- sign 977.409+/-0.139 χ^2/NDF: 1773048.2/41

eigen_dit_asym_sam_48_dd_mean vs Slug



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

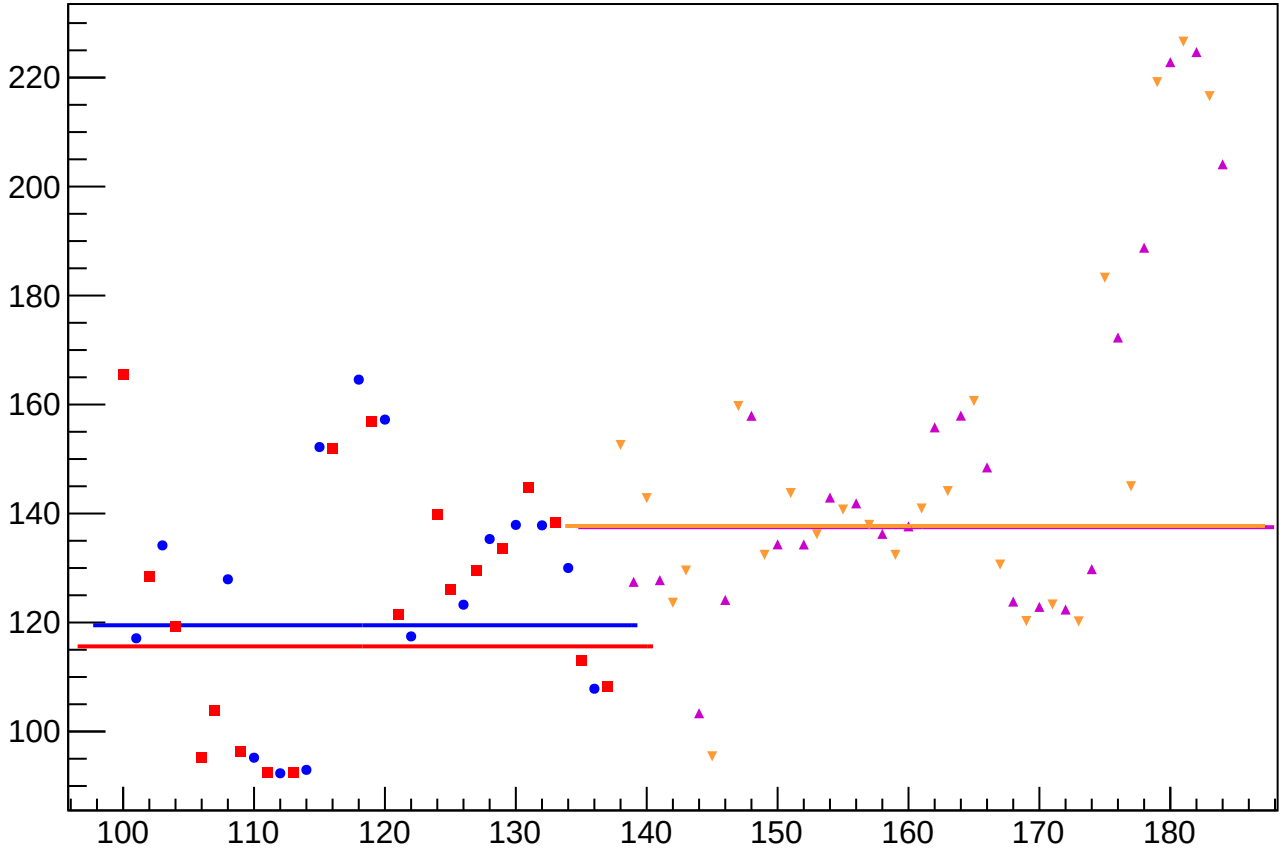
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 203.609+/-26.260 χ^2/NDF: 43.6/39

All: -17.930+/-18.539 χ^2/NDF: 227.1/81

- sign -238.054+/-26.176 χ^2/NDF: 41.6/41

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

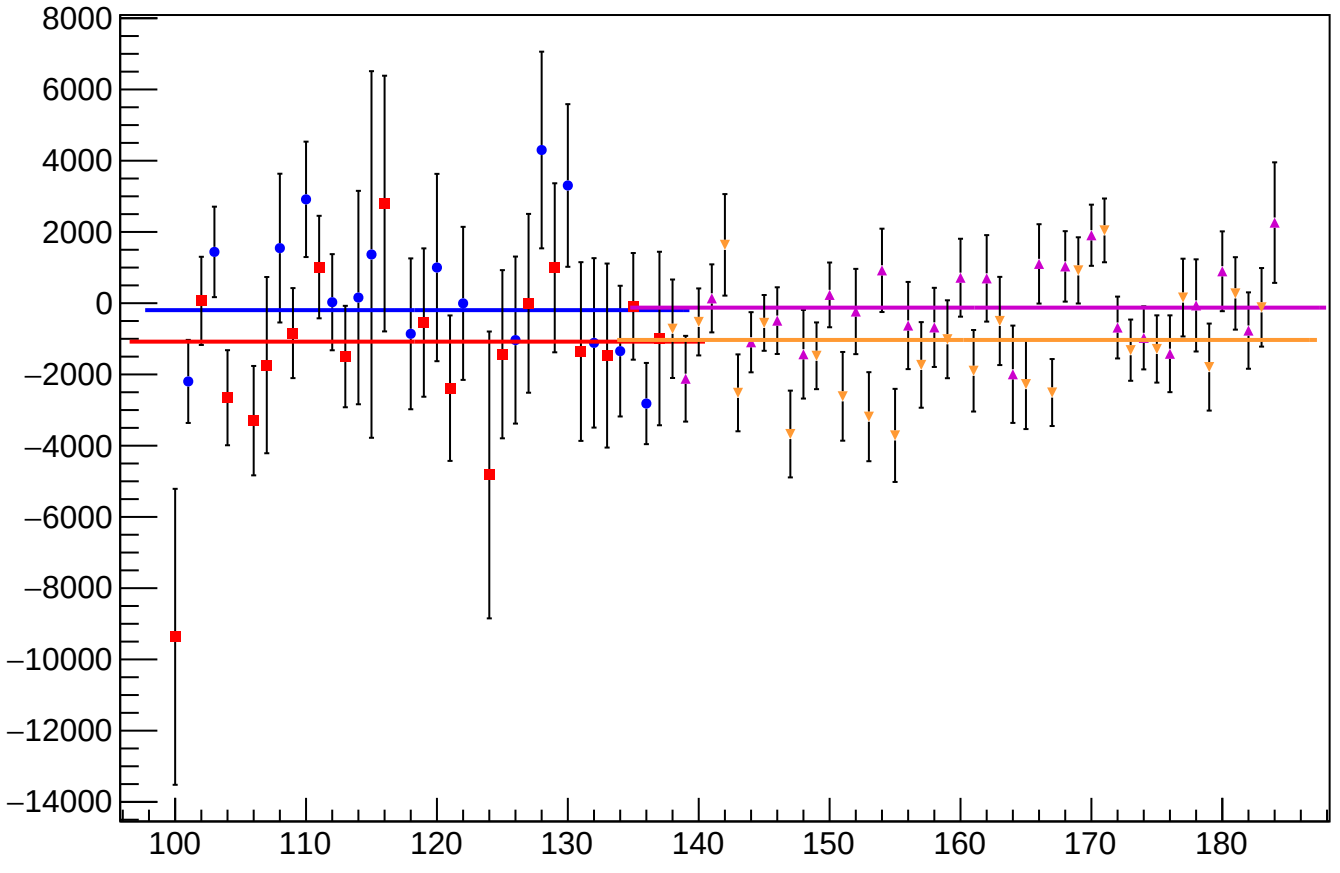
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 131.576+/-0.019 χ^2/NDF: 1886365.2/39

All: 130.520+/-0.013 χ^2/NDF: 3753322.9/81

- sign 129.471+/-0.019 χ^2/NDF: 1860508.9/41



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

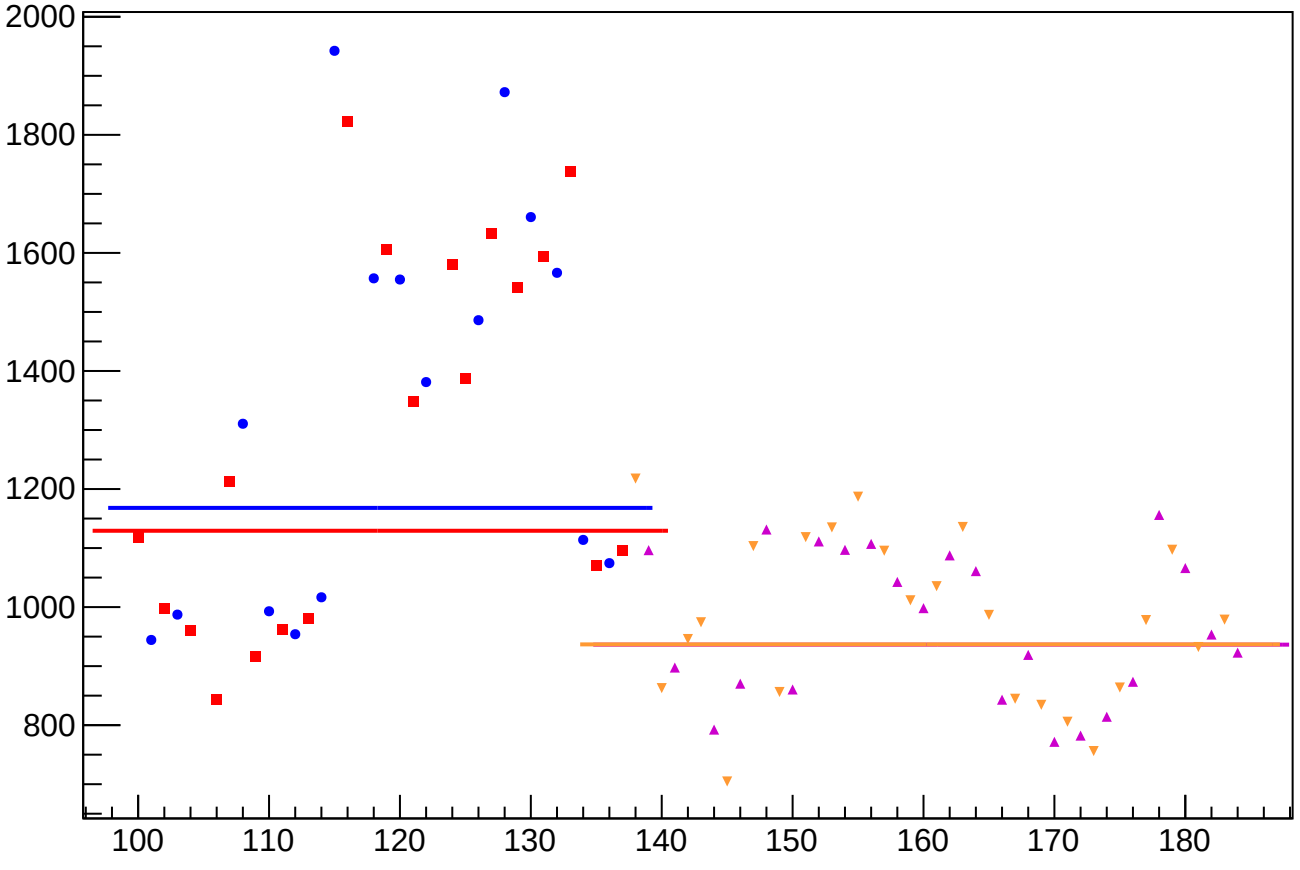
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -872.049+/-195.364 χ^2/NDF: 67.9/39

All: -601.418+/-138.516 χ^2/NDF: 114.2/81

- sign -327.841+/-196.424 χ^2/NDF: 42.4/41

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

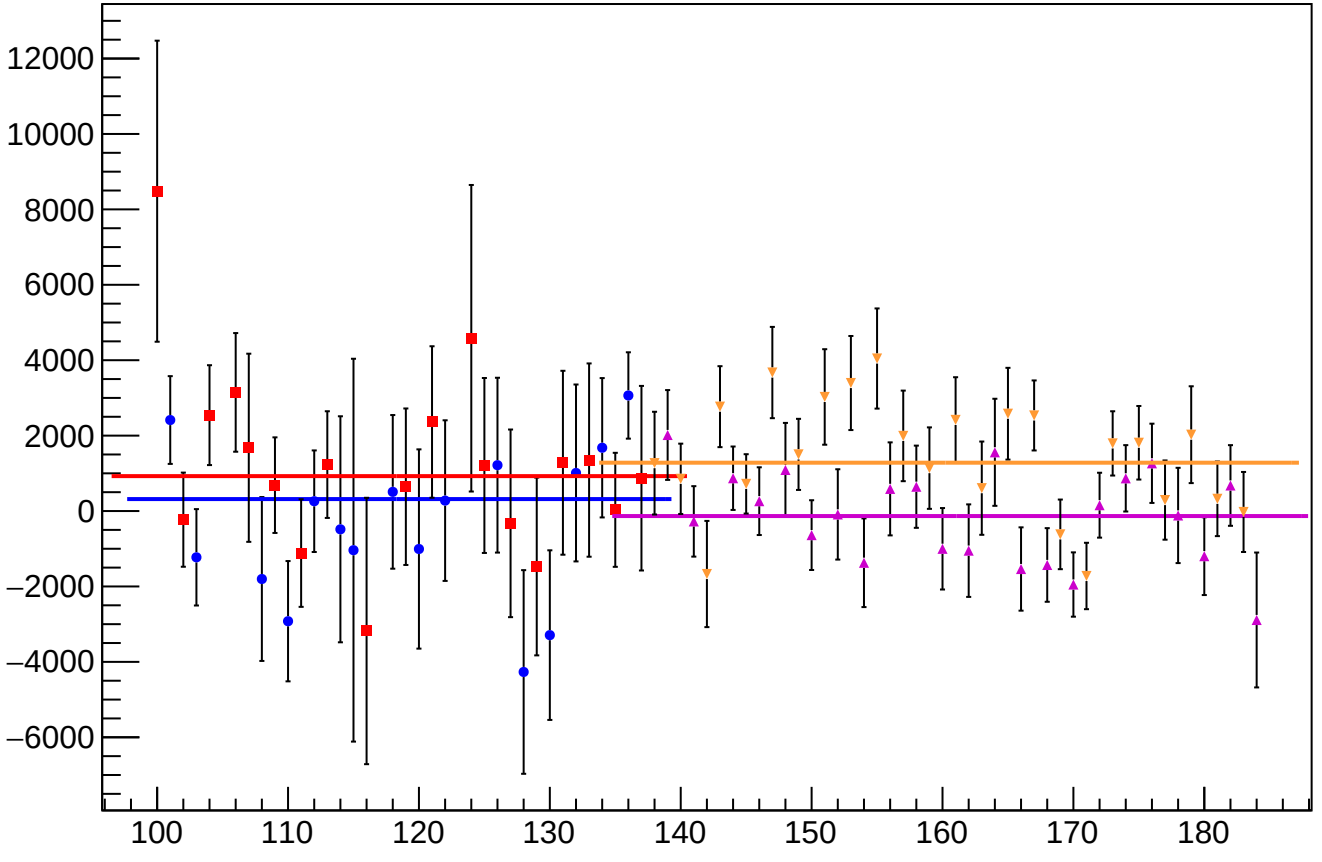
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 980.934+/-0.138 χ^2/NDF: 1974265.4/39

All: 979.180+/-0.098 χ^2/NDF: 3747640.0/81

- sign 977.408+/-0.139 χ^2/NDF: 1773050.7/41

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

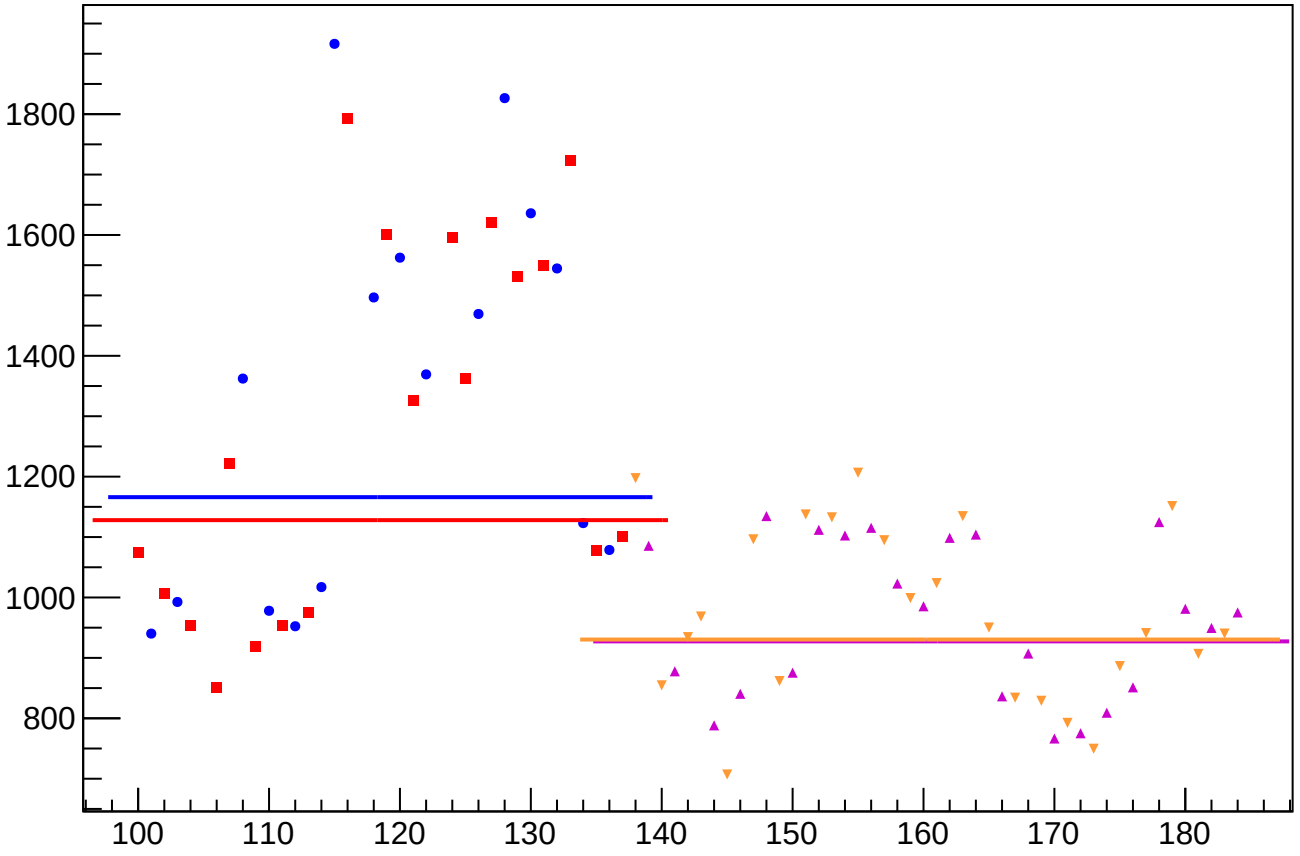
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1099.106+/-194.373 χ^2/NDF: 70.9/39

All: 595.664+/-137.631 χ^2/NDF: 129.6/81

- sign 89.446+/-194.908 χ^2/NDF: 45.3/41

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

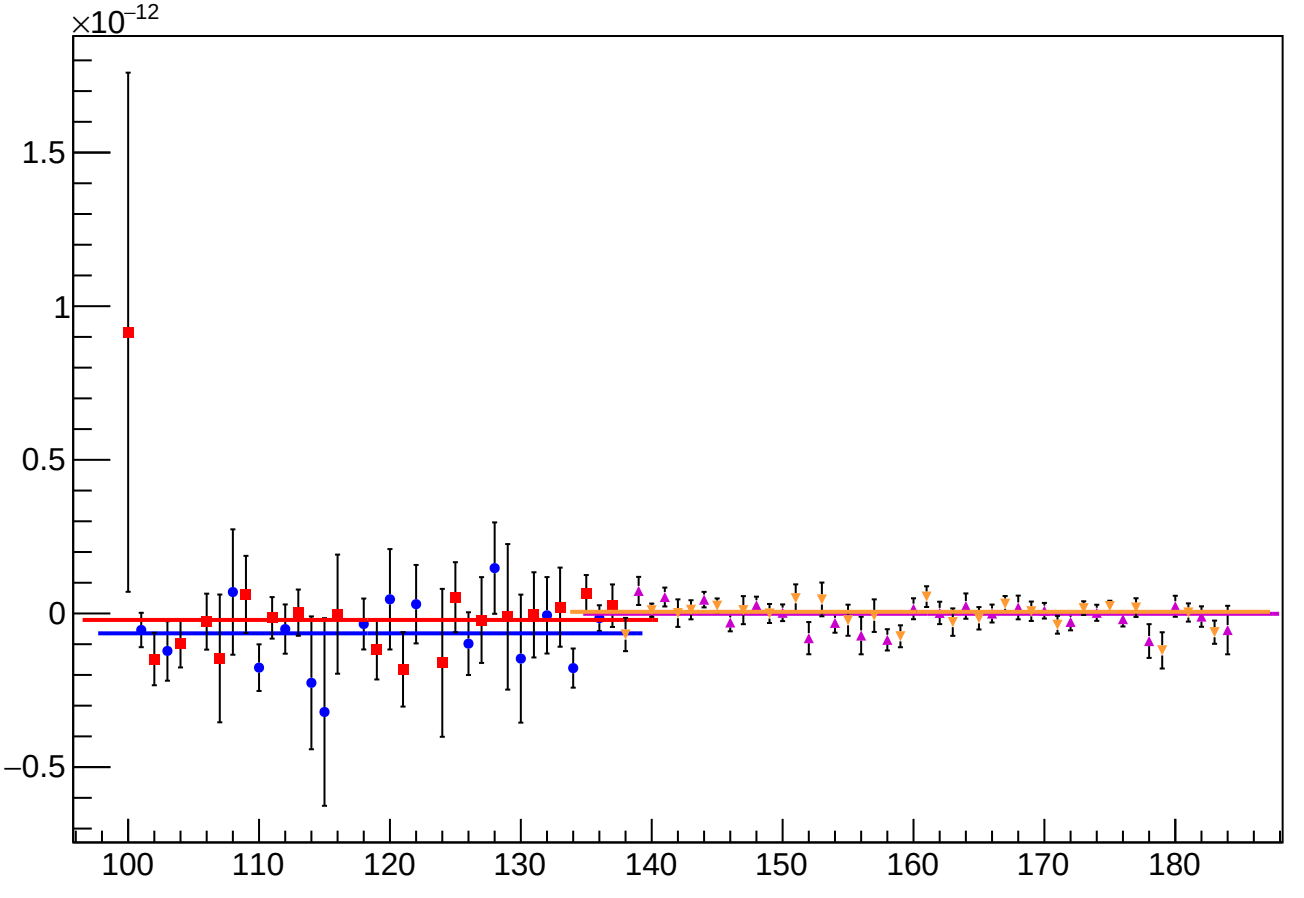
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 975.066+/-0.137 χ^2/NDF: 1987048.5/39

All: 972.265+/-0.097 χ^2/NDF: 3771852.1/81

- sign 969.449+/-0.138 χ^2/NDF: 1783970.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/23

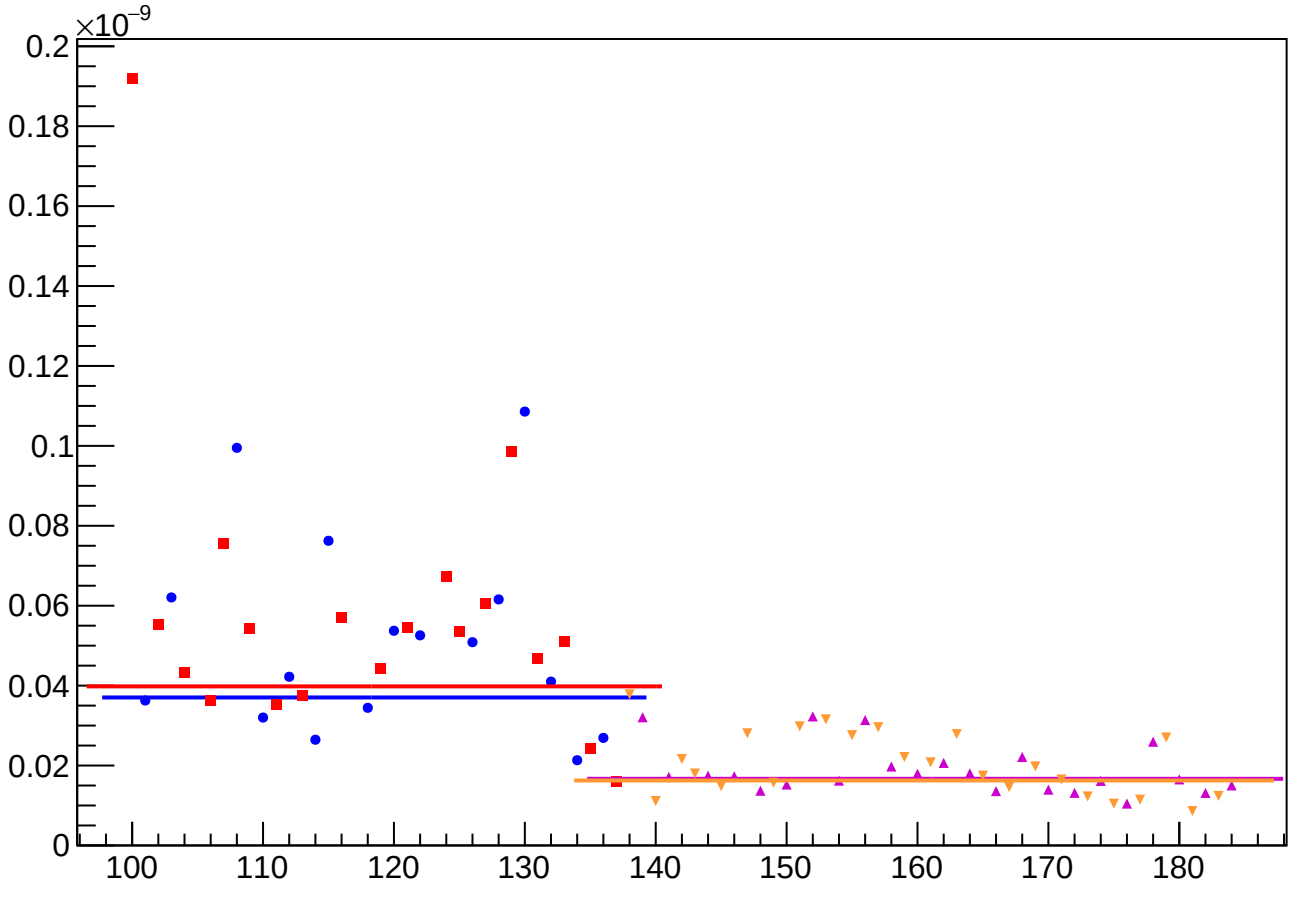
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.0/39

All: -0.000+/-0.000 χ^2/NDF: 87.0/81

- sign -0.000+/-0.000 χ^2/NDF: 39.9/41



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

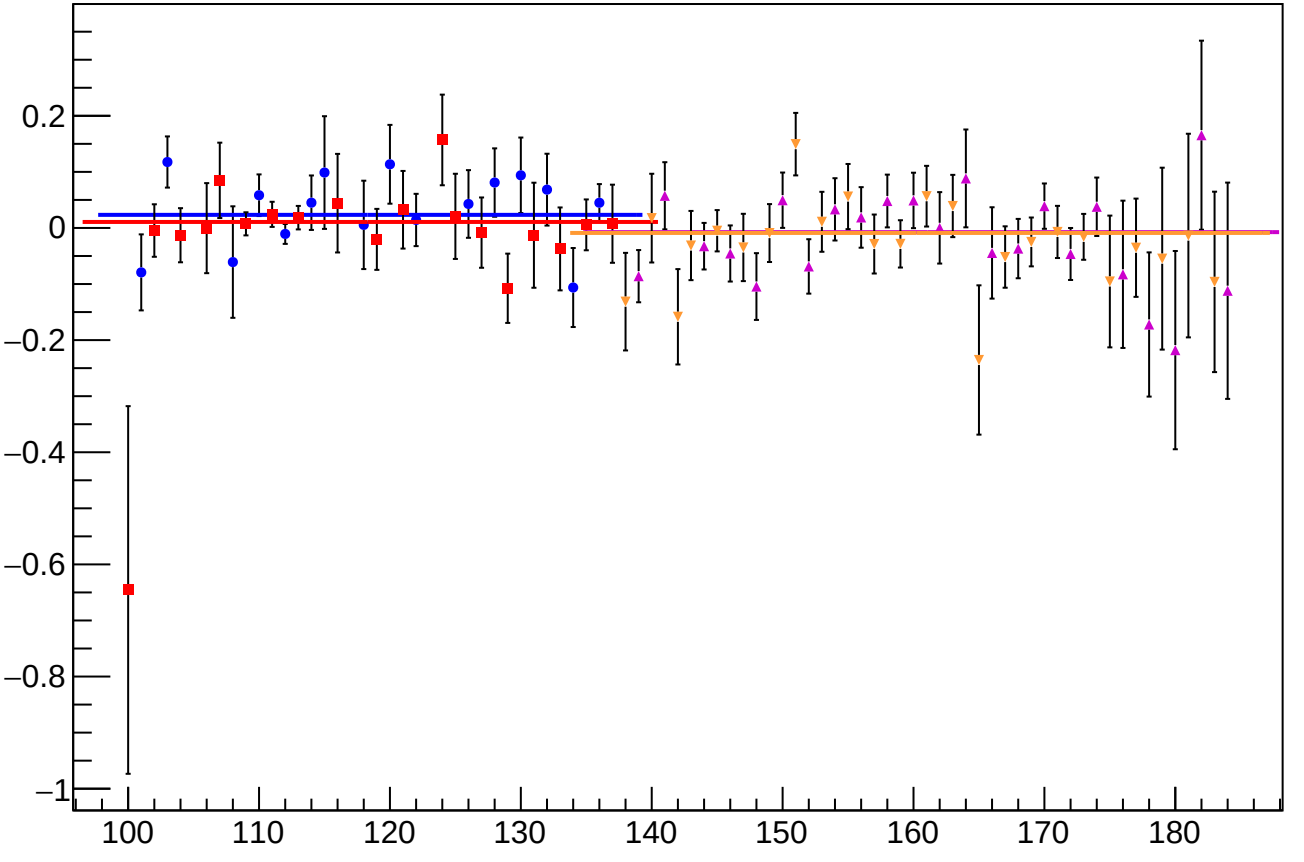
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4649885.2/39

All: 0.000+/-0.000 χ^2/NDF: 8334783.4/81

- sign 0.000+/-0.000 χ^2/NDF: 3676210.7/41

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



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

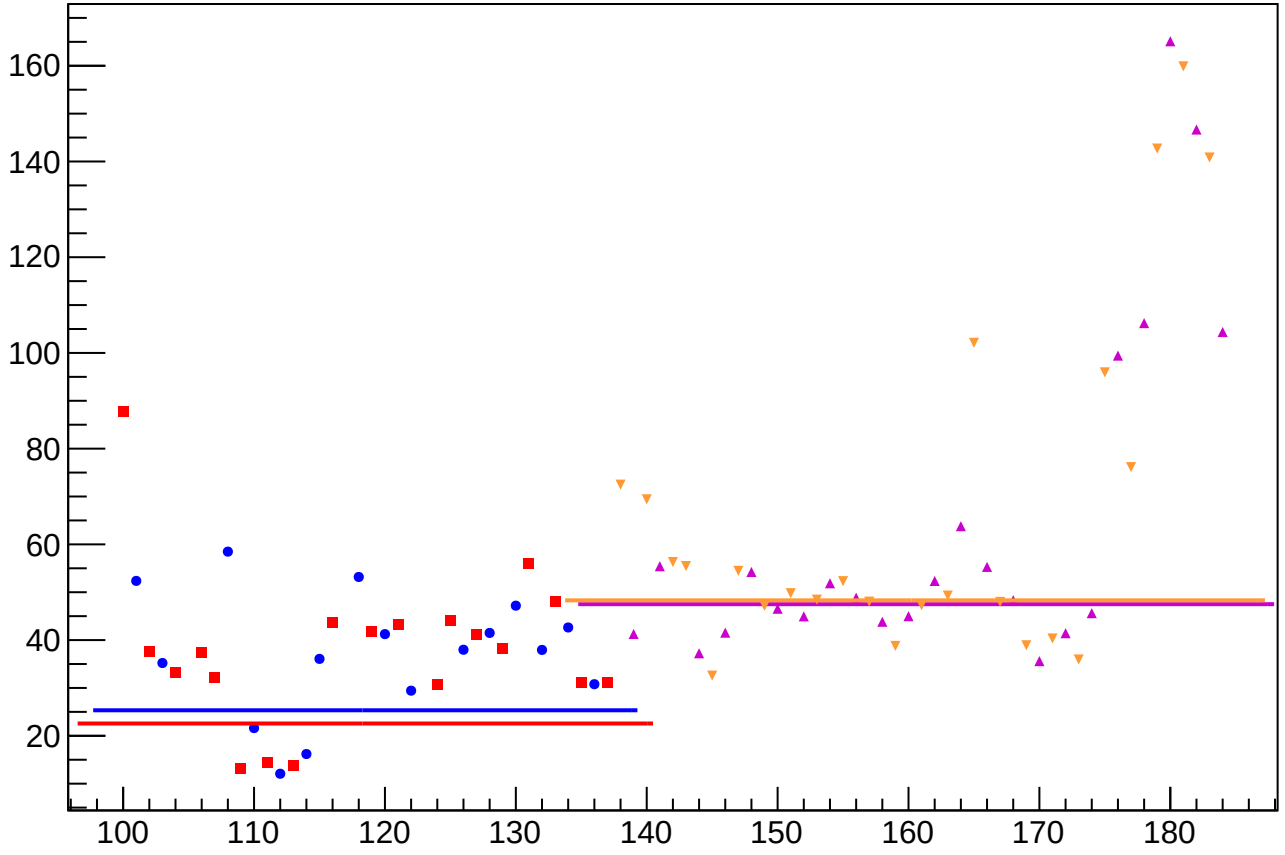
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 46.9/39

All: 0.006+/-0.006 χ^2/NDF: 85.9/81

- sign 0.003+/-0.008 χ^2/NDF: 38.9/41

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

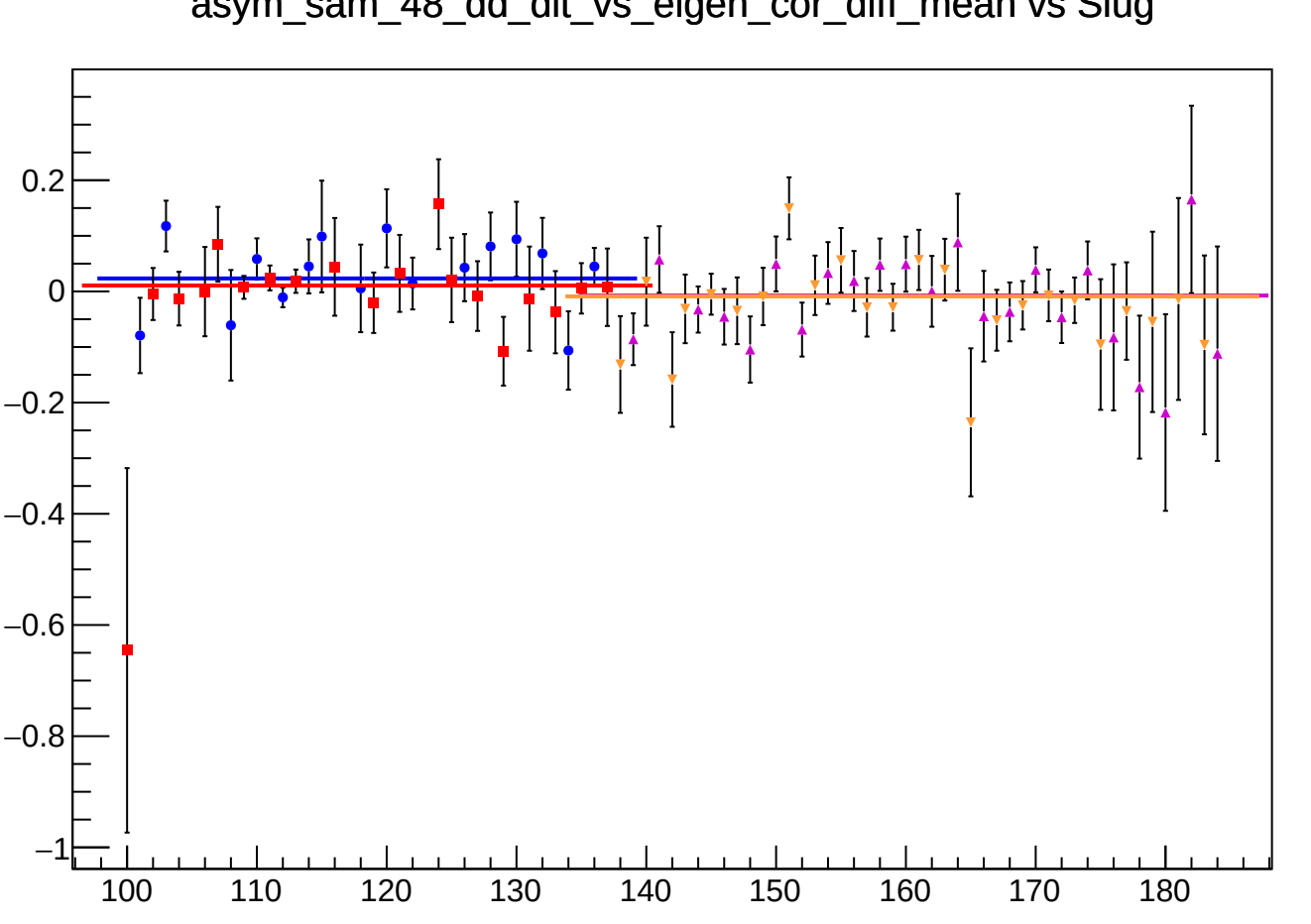
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 35.878+/-0.006 χ^2/NDF: 11006997.3/39

All: 34.083+/-0.004 χ^2/NDF: 22566614.2/81

- sign 32.518+/-0.005 χ^2/NDF: 11377551.7/41



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:22.2/23

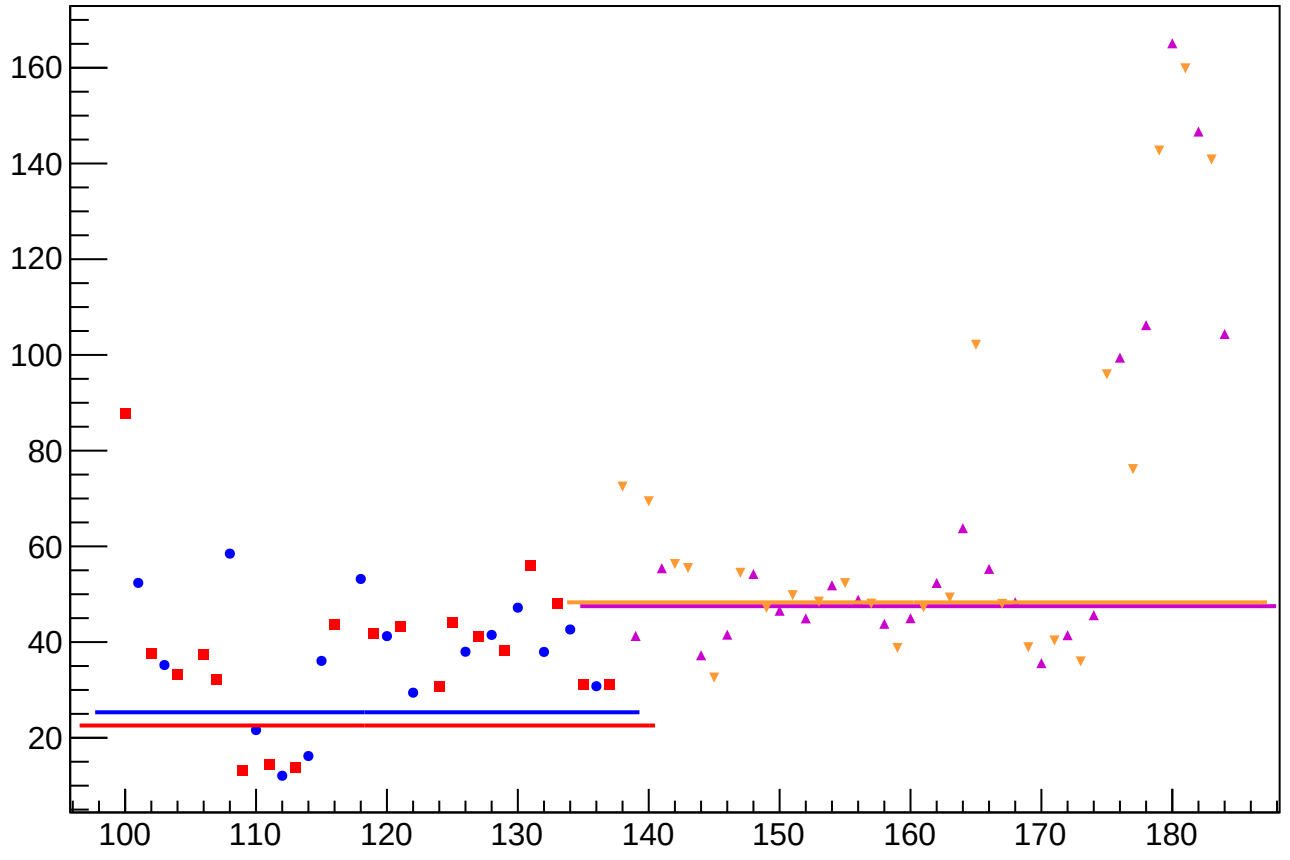
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 46.9/39

All: 0.006+/-0.006 χ^2/NDF: 85.9/81

- sign 0.003+/-0.008 χ^2/NDF: 38.9/41



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127745.1/23

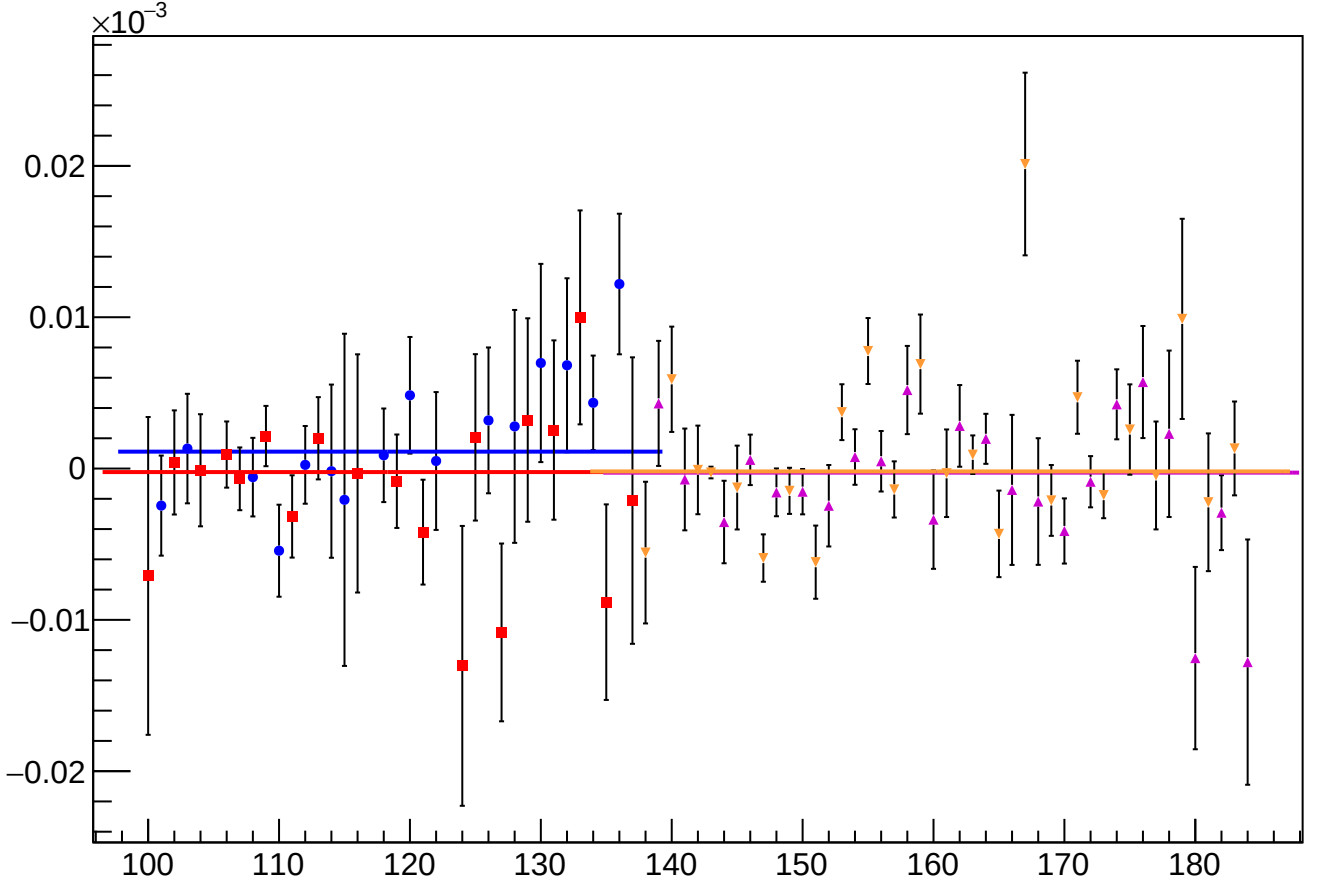
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 35.878+/-0.006 χ^2/NDF: 11006997.3/39

All: 34.083+/-0.004 χ^2/NDF: 22566614.2/81

- sign 32.518+/-0.005 χ^2/NDF: 11377551.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:71.4/23

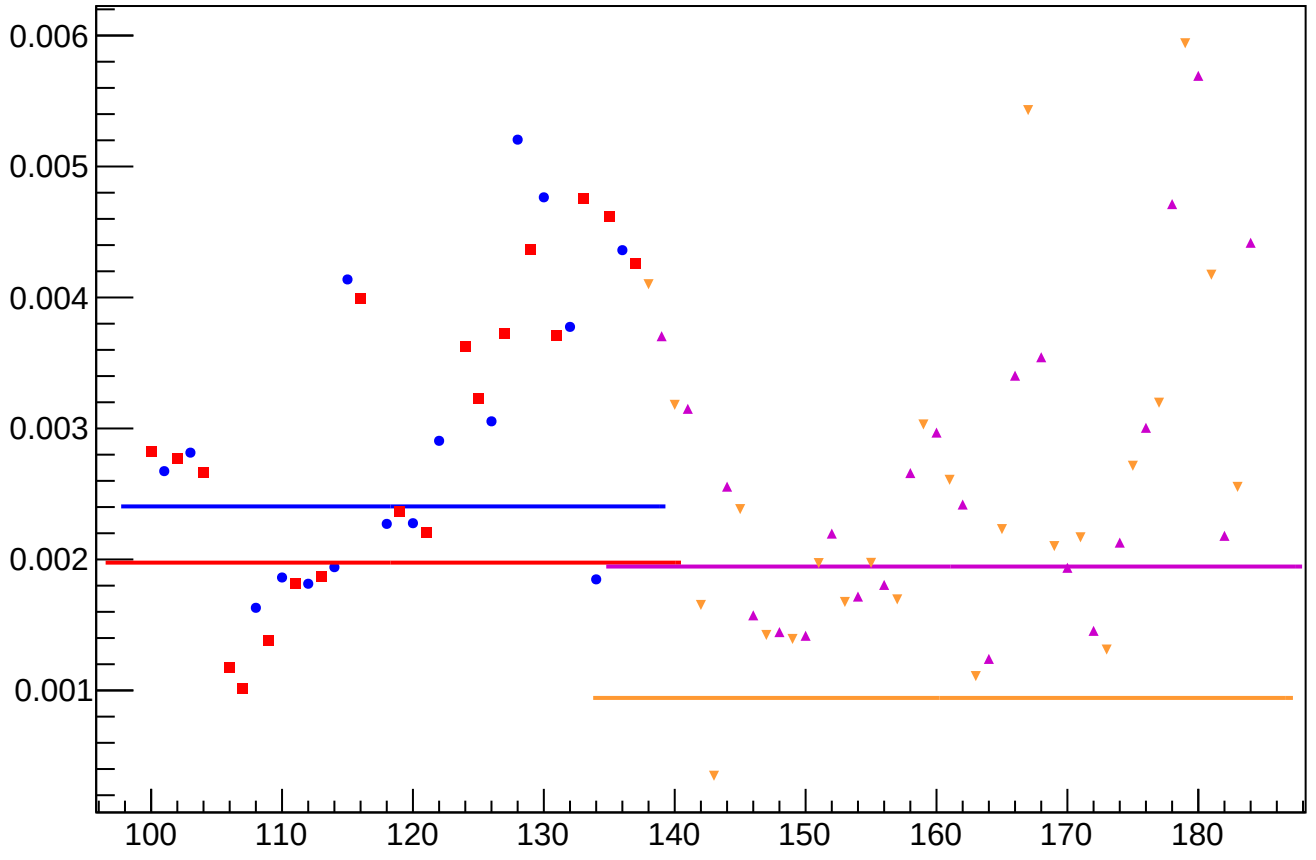
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.3/39

All: -0.000+/-0.000 χ^2/NDF: 135.4/81

- sign -0.000+/-0.000 χ^2/NDF: 46.0/41



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

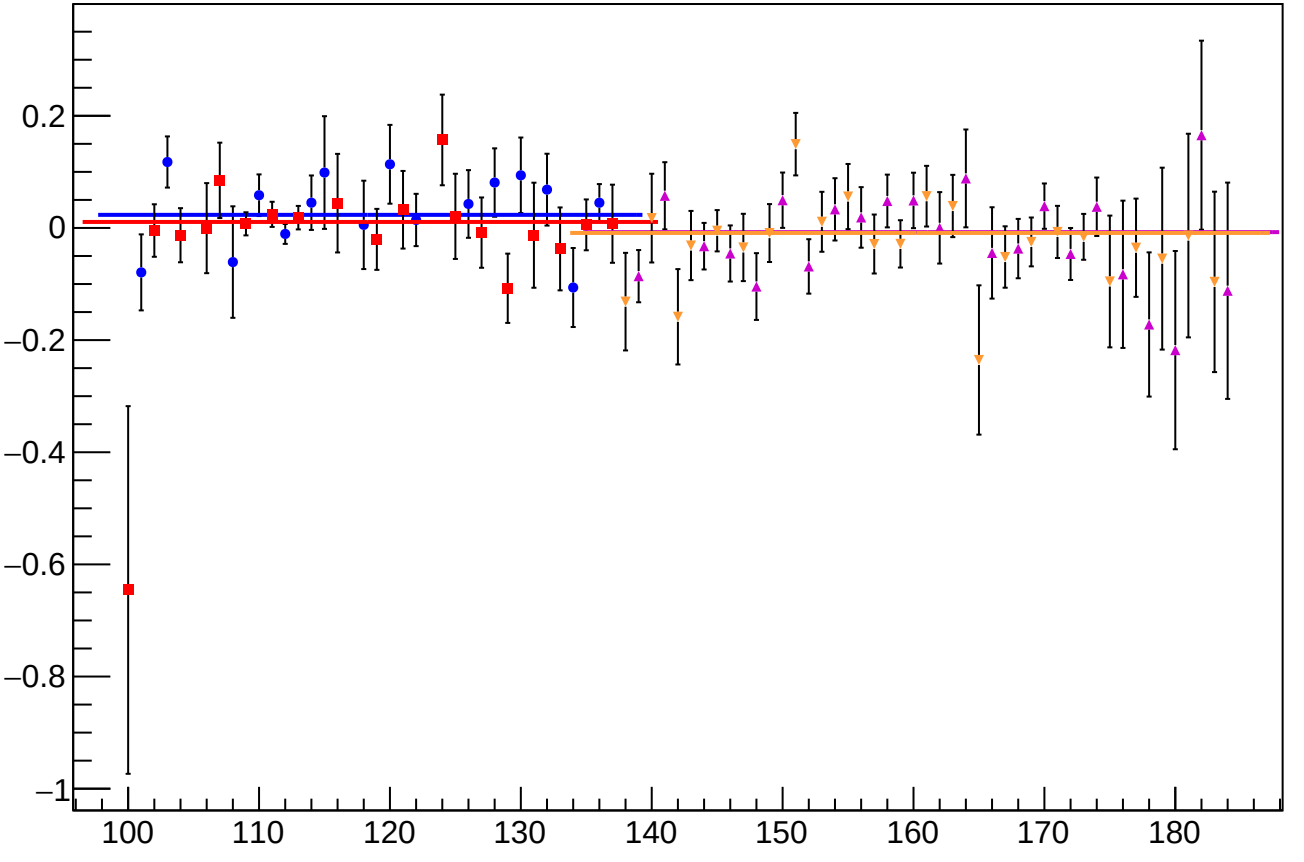
Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 23126699.8/39

All: 0.001+/-0.000 χ^2/NDF: 36154585.9/81

- sign 0.002+/-0.000 χ^2/NDF: 7139709.6/41

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.009+/-0.012 χ^2/NDF:22.2/23

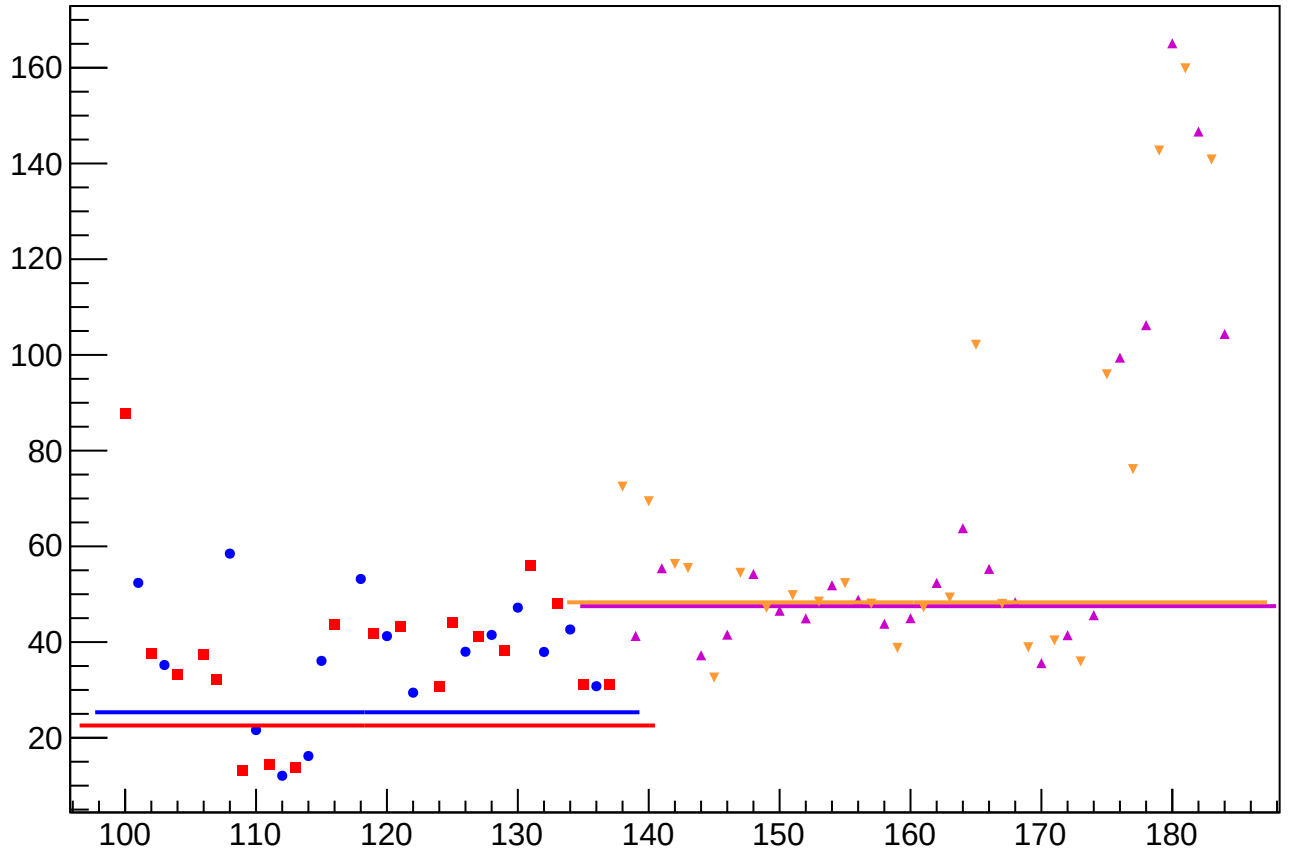
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 46.9/39

All: 0.006+/-0.006 χ^2/NDF: 85.9/81

- sign 0.003+/-0.008 χ^2/NDF: 38.9/41



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127712.7/23

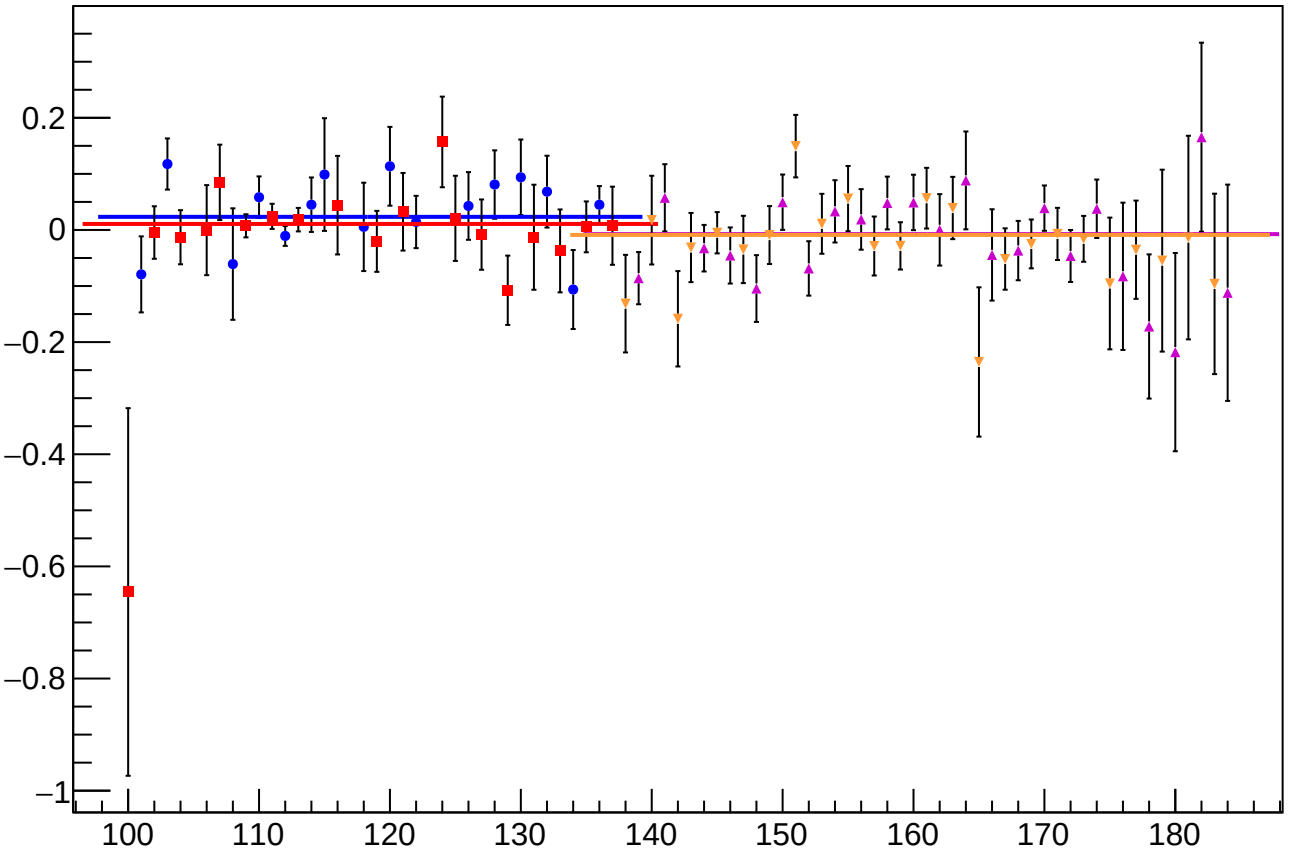
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 35.877+/-0.006 χ^2/NDF: 11008017.5/39

All: 34.082+/-0.004 χ^2/NDF: 22567896.4/81

- sign 32.518+/-0.005 χ^2/NDF: 11377892.8/41



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

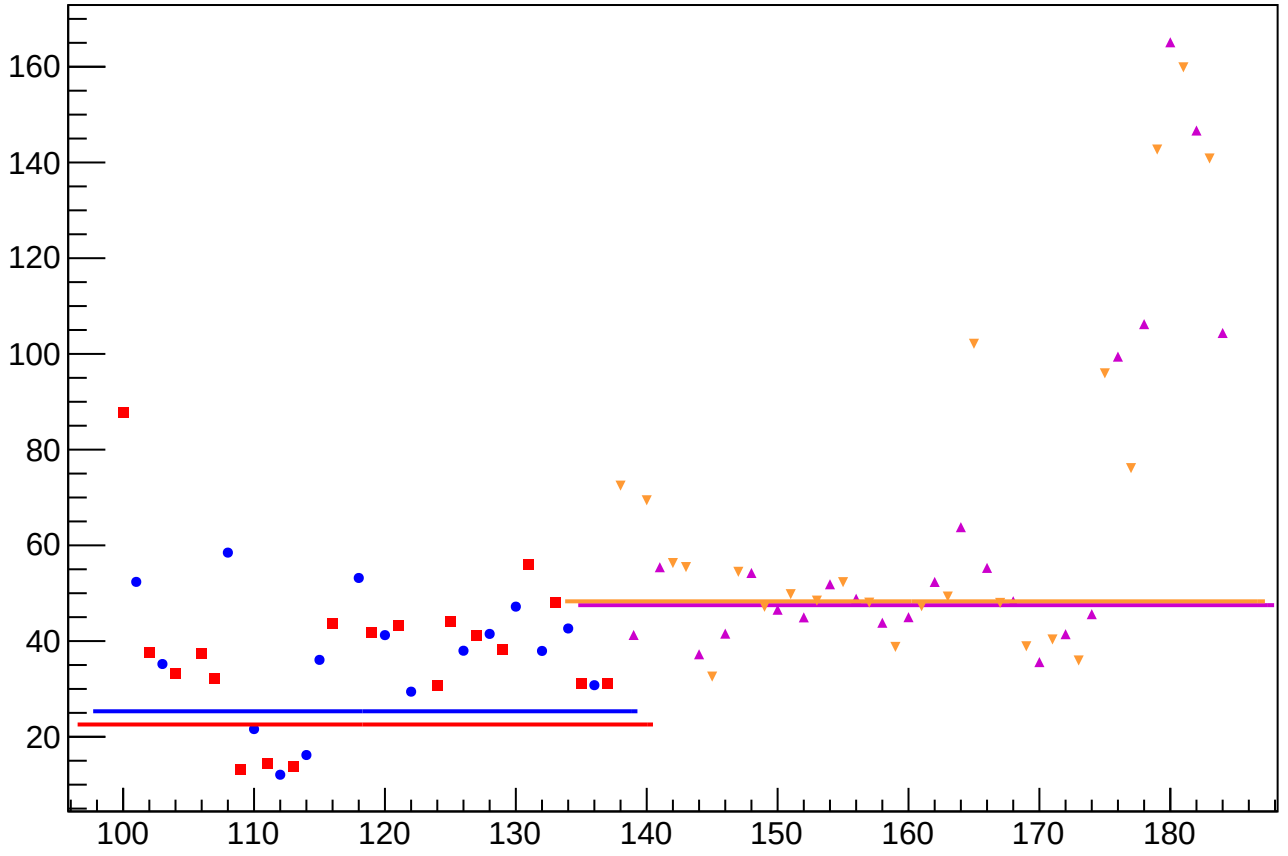
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 46.9/39

All: 0.006+/-0.006 χ^2/NDF: 85.9/81

- sign 0.003+/-0.008 χ^2/NDF: 38.9/41

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.306+/-0.008 χ^2/NDF:4127712.7/23

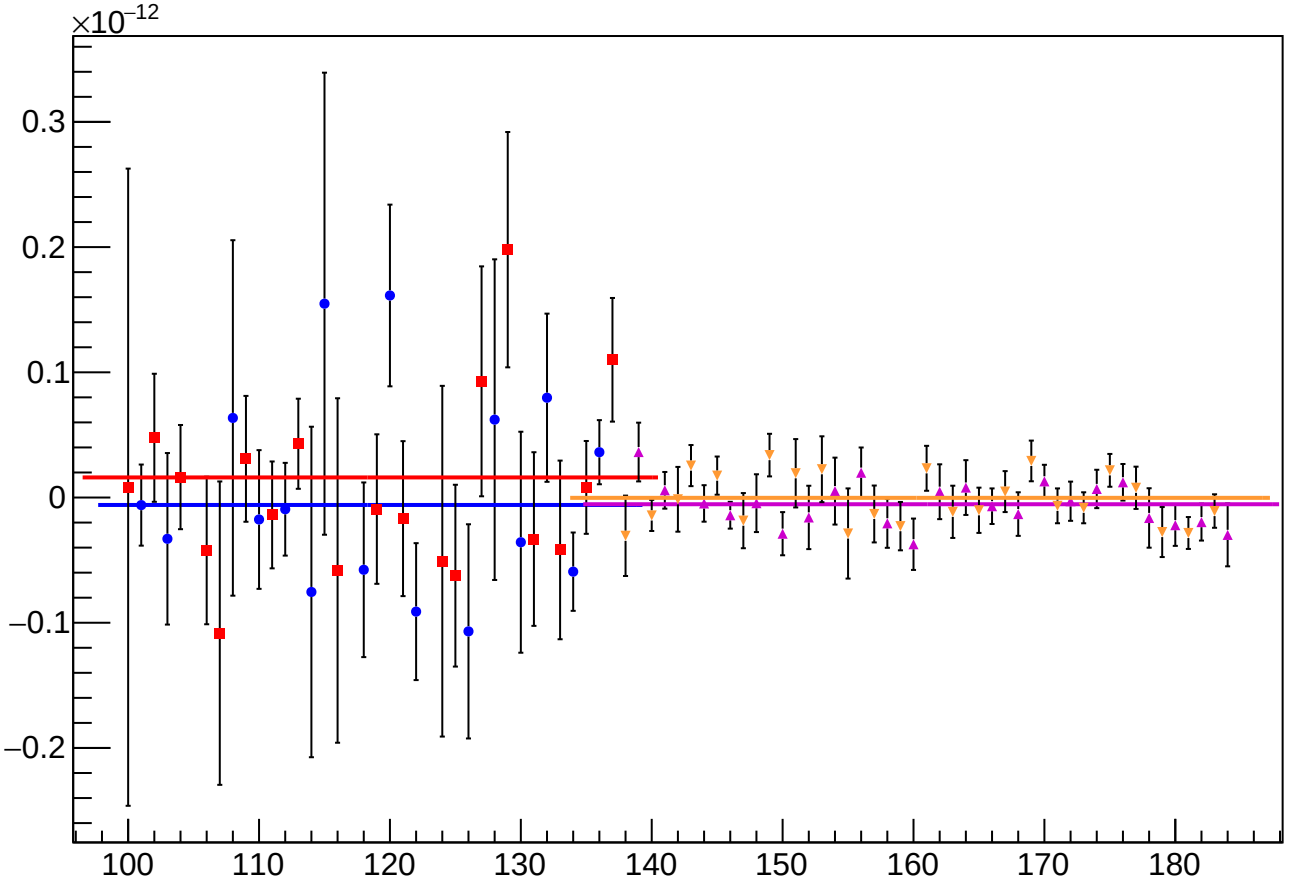
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 35.877+/-0.006 χ^2/NDF: 11008017.5/39

All: 34.082+/-0.004 χ^2/NDF: 22567896.4/81

- sign 32.518+/-0.005 χ^2/NDF: 11377892.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/23

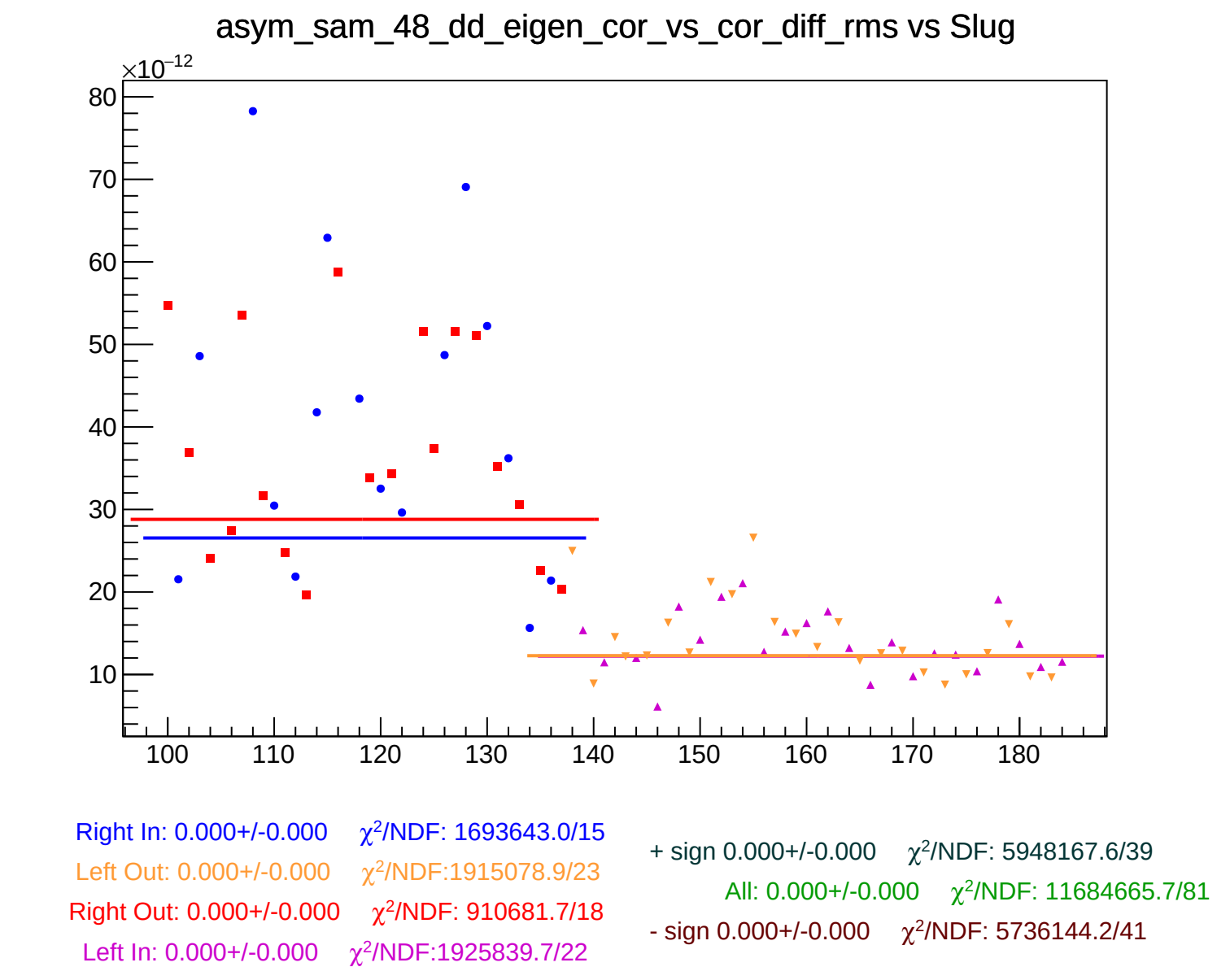
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.0/39

All: -0.000+/-0.000 χ^2/NDF: 87.0/81

- sign -0.000+/-0.000 χ^2/NDF: 36.5/41


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
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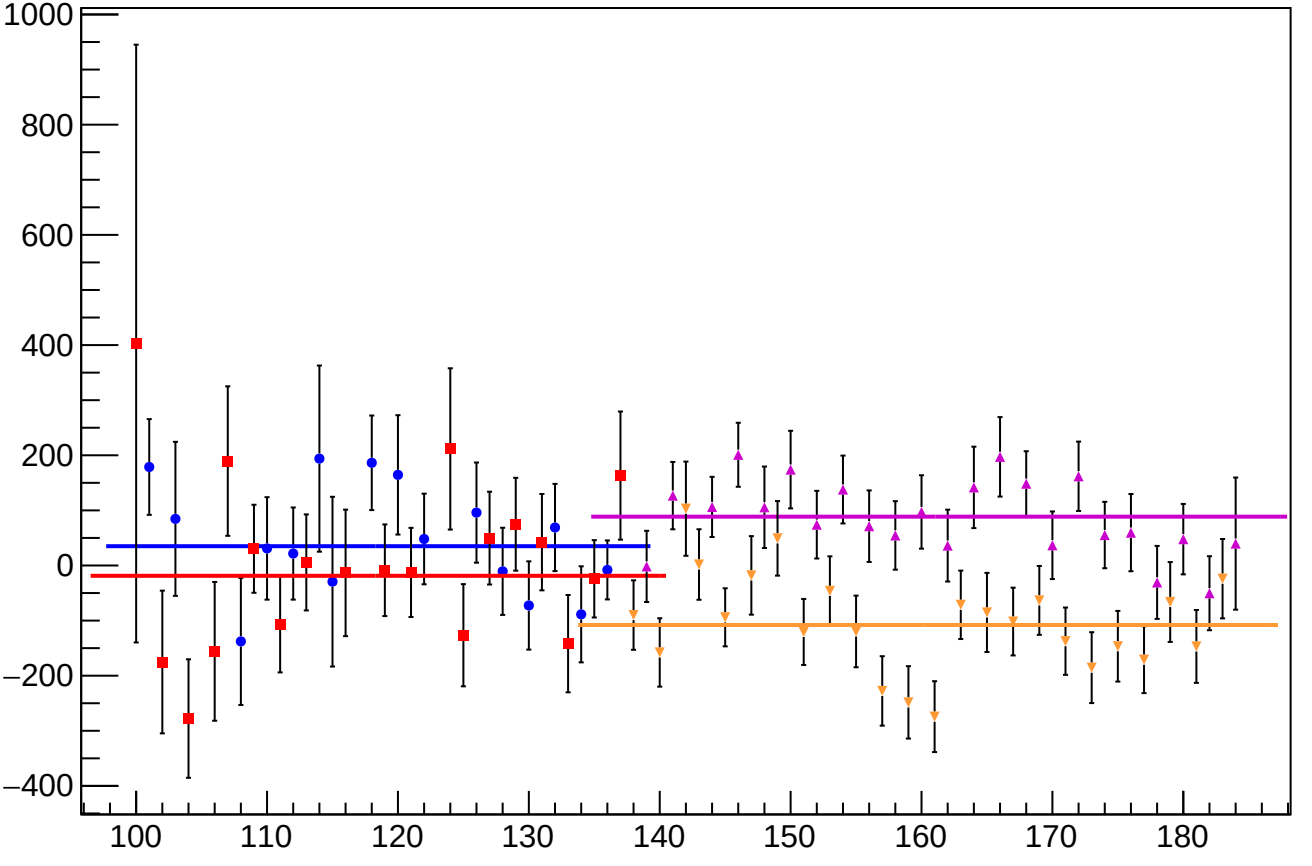
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1915078.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1925839.7/22
+ sign 0.000+/-0.000 χ²/NDF: 5948167.6/39
All: 0.000+/-0.000 χ²/NDF: 11684665.7/81
- sign 0.000+/-0.000 χ²/NDF: 5736144.2/41

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

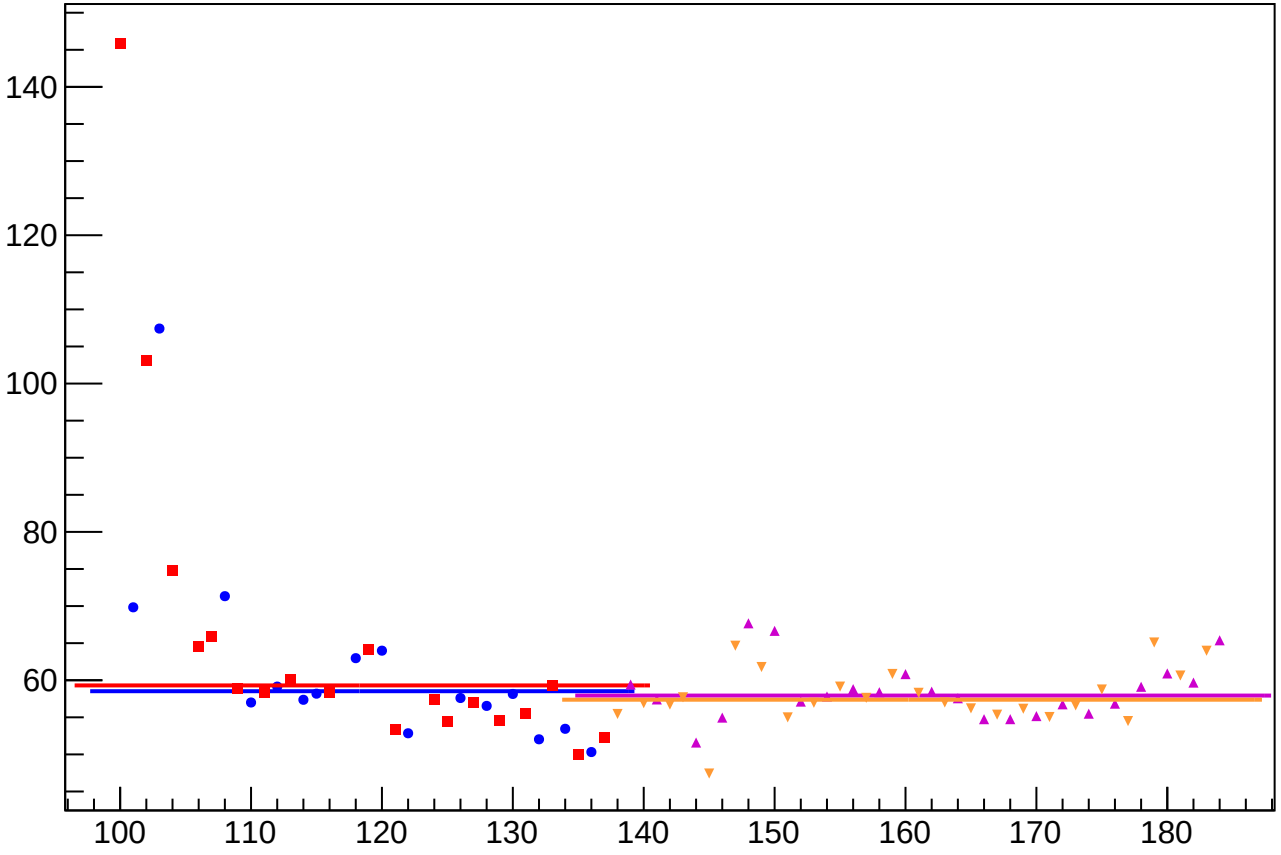
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -70.612+/-11.313 χ^2/NDF: 85.9/39

All: -7.086+/-8.088 χ^2/NDF: 214.9/81

- sign 59.321+/-11.567 χ^2/NDF: 64.5/41

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

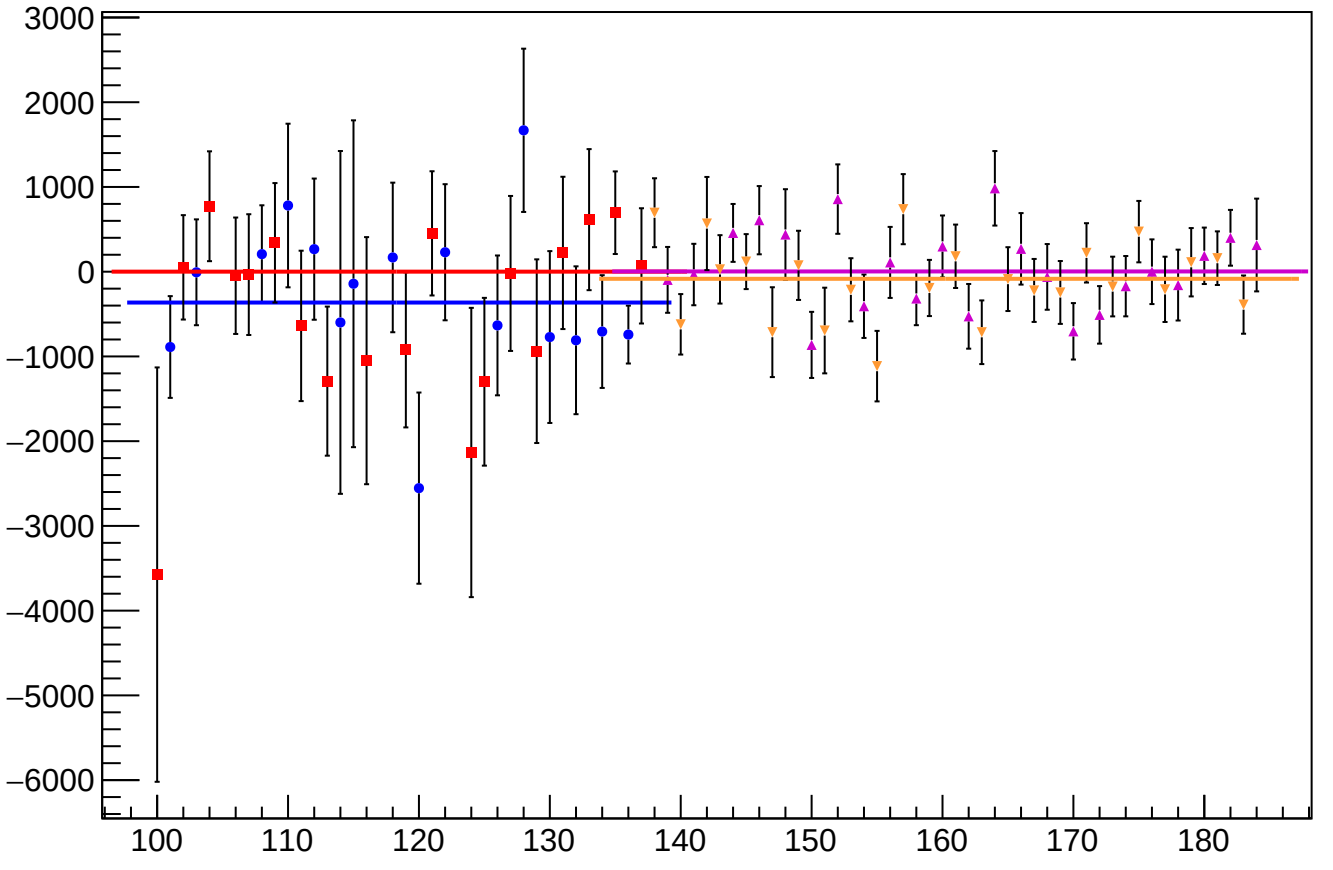
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.674+/-0.008 χ^2/NDF: 566765.7/39

All: 57.983+/-0.006 χ^2/NDF: 1117890.5/81

- sign 58.306+/-0.008 χ^2/NDF: 548071.4/41



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

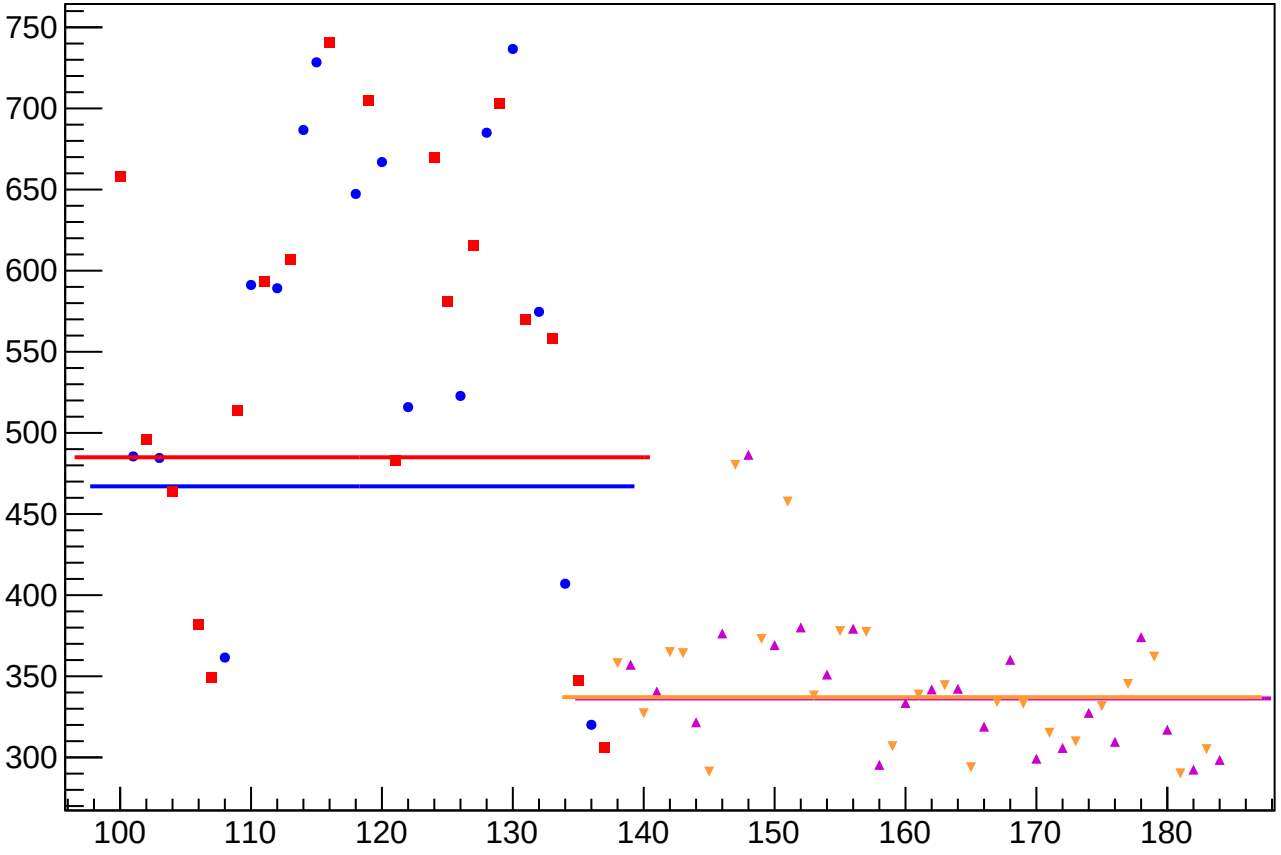
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

\+ sign -127.869+/-71.453 χ^2/NDF: 47.0/39

All: -63.722+/-50.955 χ^2/NDF: 97.3/81

\- sign 2.655+/-72.685 χ^2/NDF: 48.7/41

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

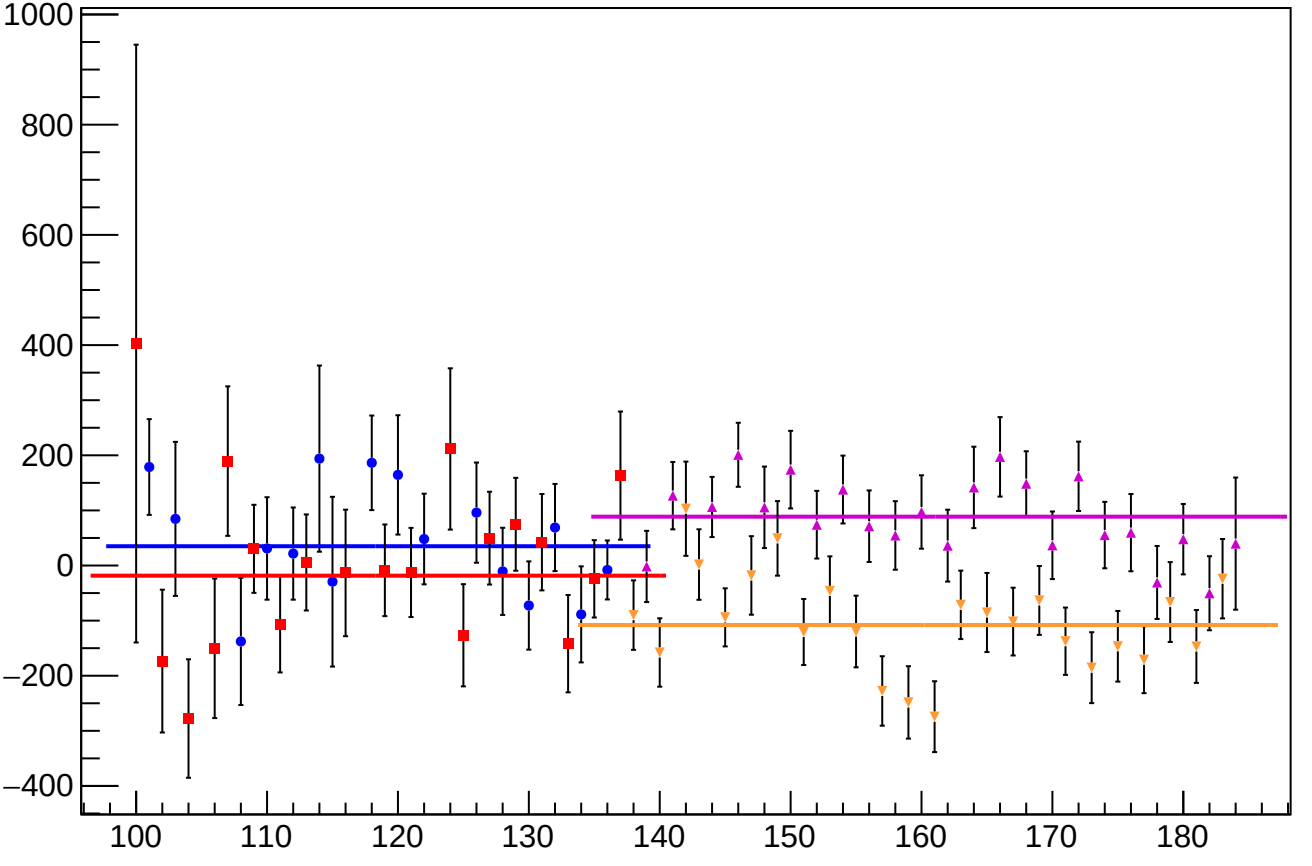
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 357.474+/-0.051 χ^2/NDF: 2412115.2/39

All: 358.602+/-0.036 χ^2/NDF: 4811886.0/81

- sign 359.770+/-0.051 χ^2/NDF: 2398756.0/41

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

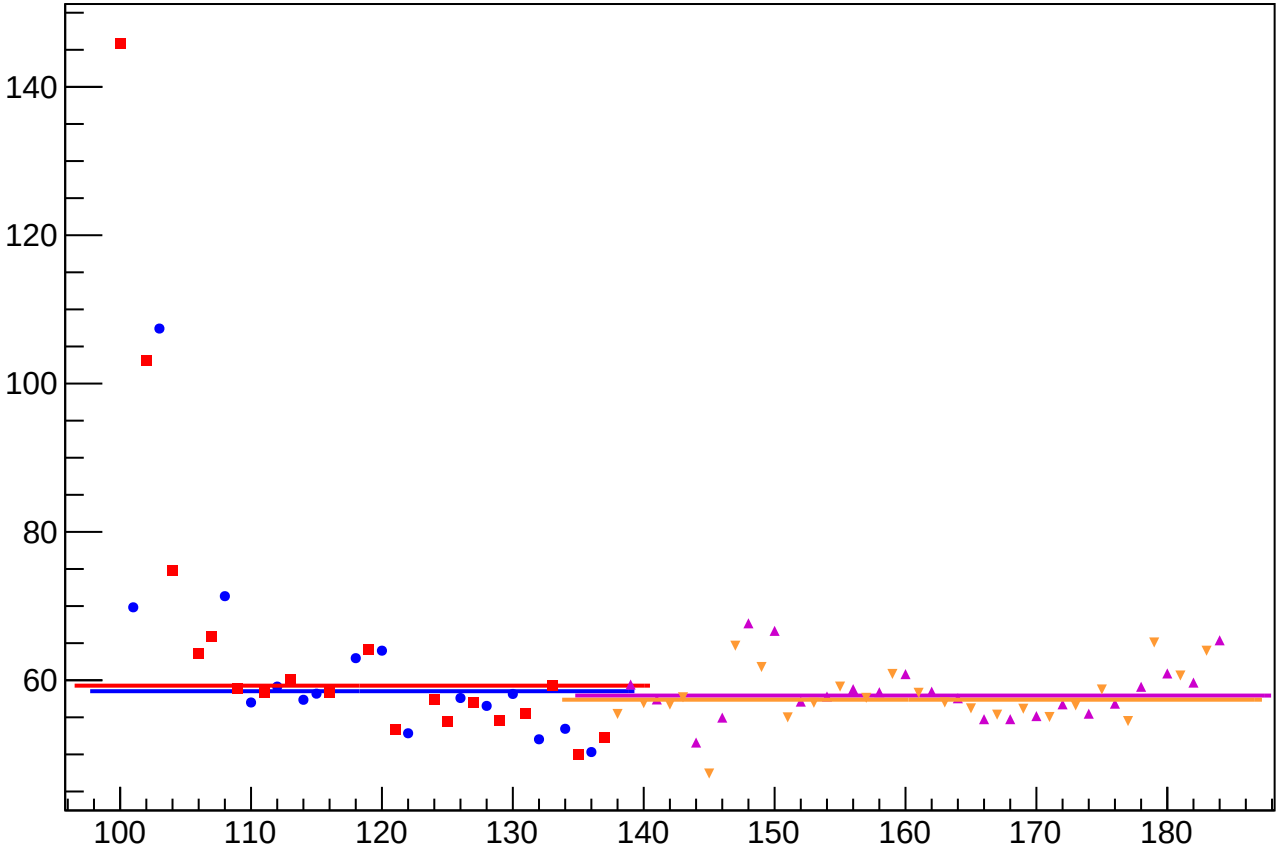
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -70.612+/-11.313 χ^2/NDF: 85.9/39

All: -7.048+/-8.088 χ^2/NDF: 214.7/81

\- sign 59.405+/-11.567 χ^2/NDF: 64.3/41

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

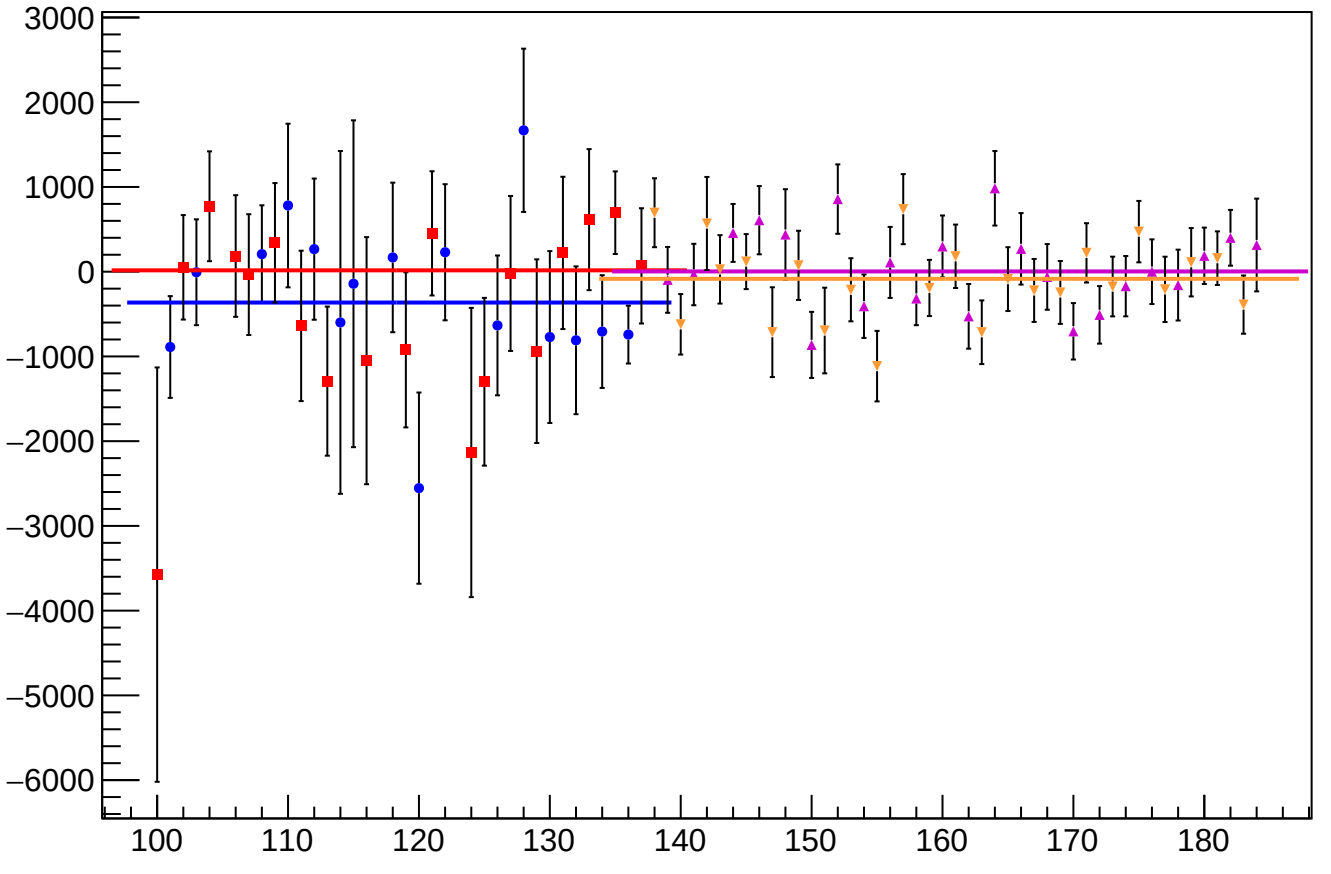
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.674+/-0.008 χ^2/NDF: 566767.8/39

All: 57.979+/-0.006 χ^2/NDF: 1116556.1/81

- sign 58.298+/-0.008 χ^2/NDF: 546819.3/41



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

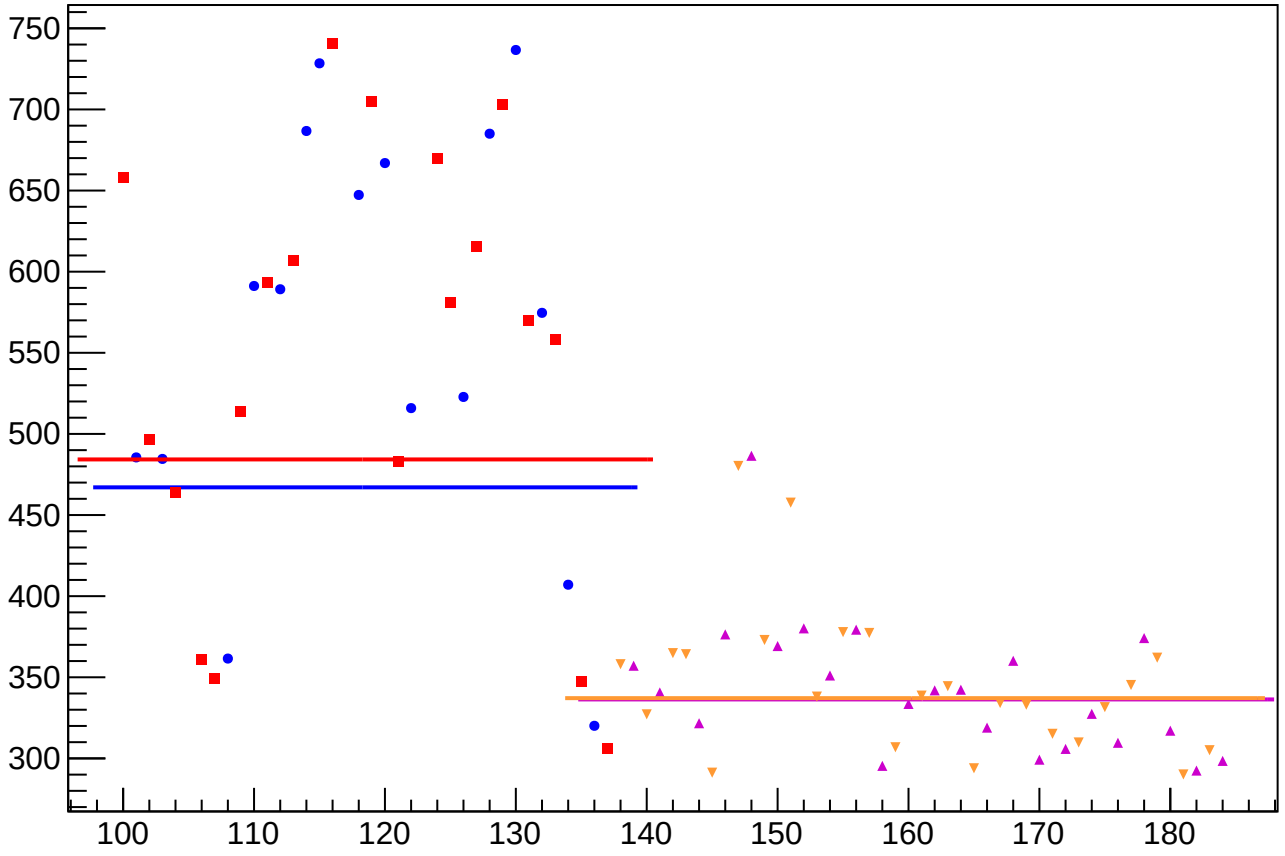
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

\+ sign -127.864+/-71.453 χ^2/NDF: 47.0/39

All: -62.554+/-50.967 χ^2/NDF: 97.4/81

\- sign 5.092+/-72.720 χ^2/NDF: 48.7/41

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

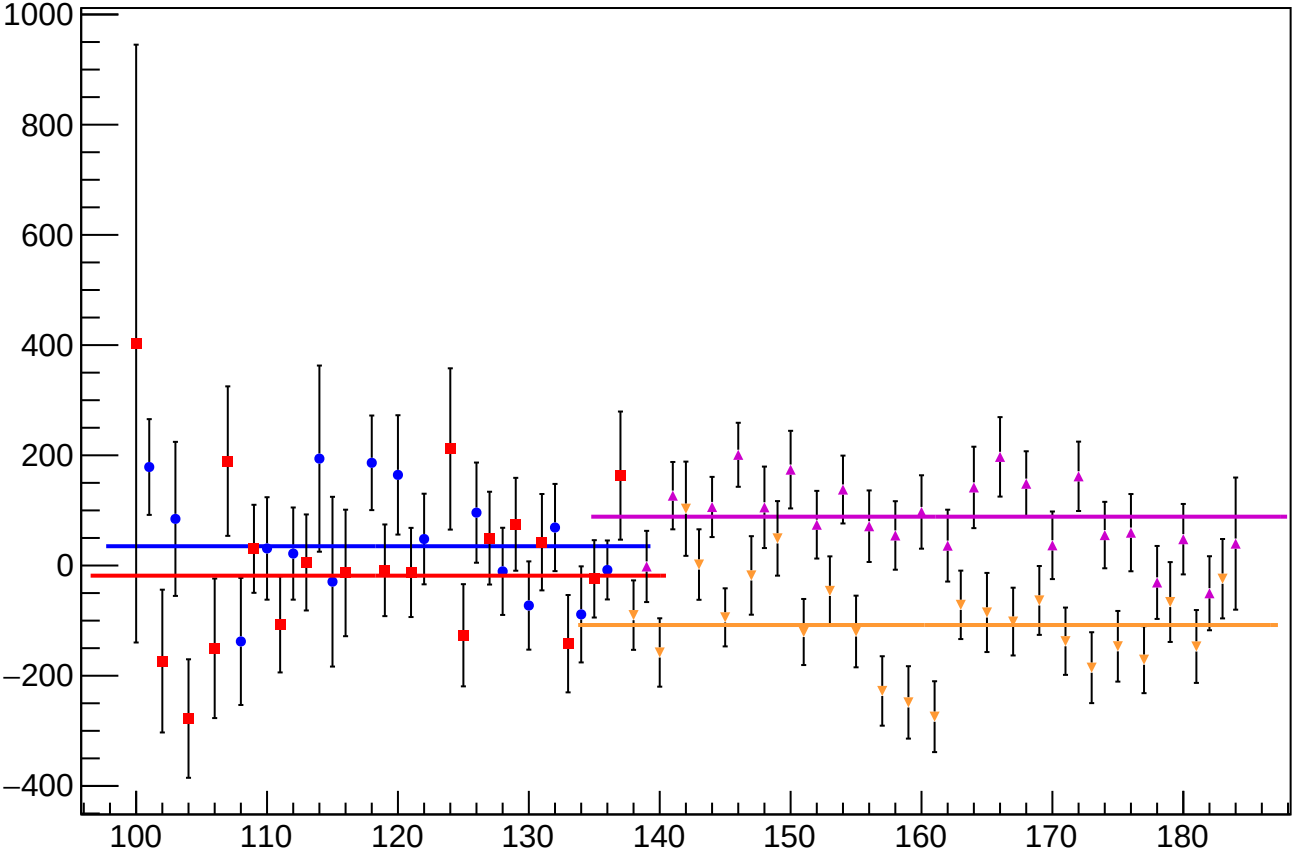
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 357.474+/-0.051 χ^2/NDF: 2412143.6/39

All: 358.488+/-0.036 χ^2/NDF: 4810165.5/81

- sign 359.537+/-0.051 χ^2/NDF: 2397202.8/41

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

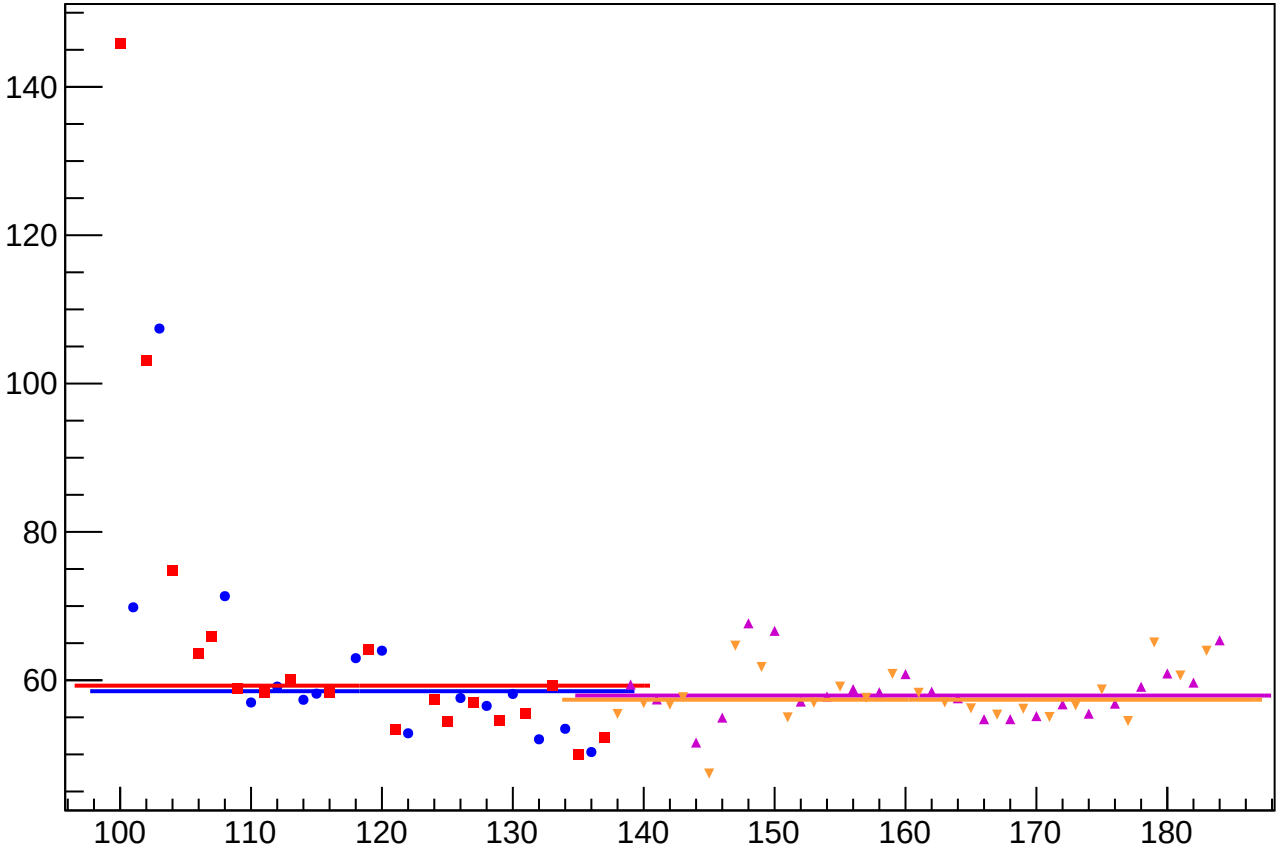
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -70.612+/-11.313 χ^2/NDF: 85.9/39

All: -7.048+/-8.088 χ^2/NDF: 214.7/81

- sign 59.405+/-11.567 χ^2/NDF: 64.3/41

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

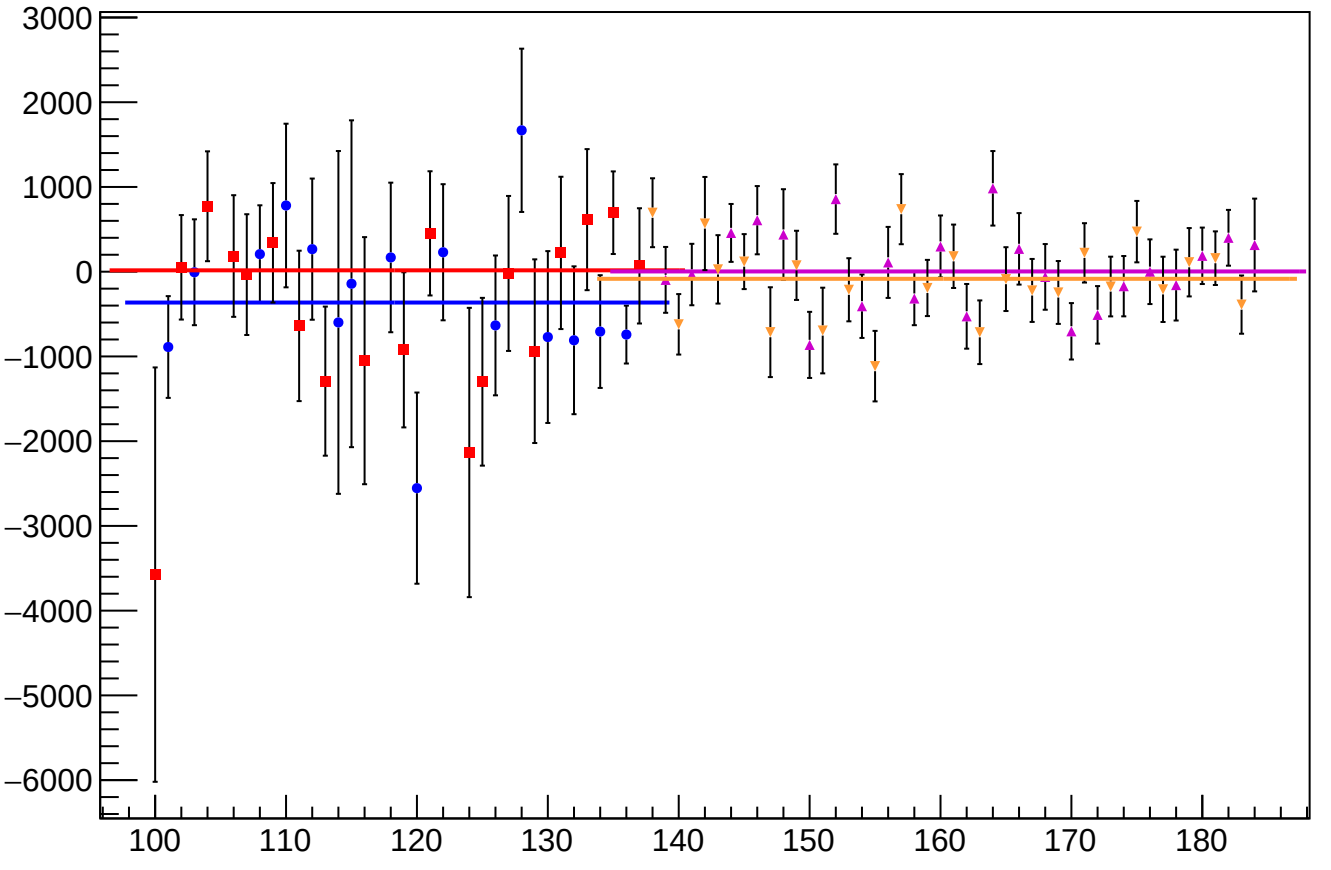
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.674+/-0.008 χ^2/NDF: 566767.8/39

All: 57.979+/-0.006 χ^2/NDF: 1116556.1/81

- sign 58.298+/-0.008 χ^2/NDF: 546819.3/41



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -84.035+/-77.802 χ^2/NDF:29.7/23

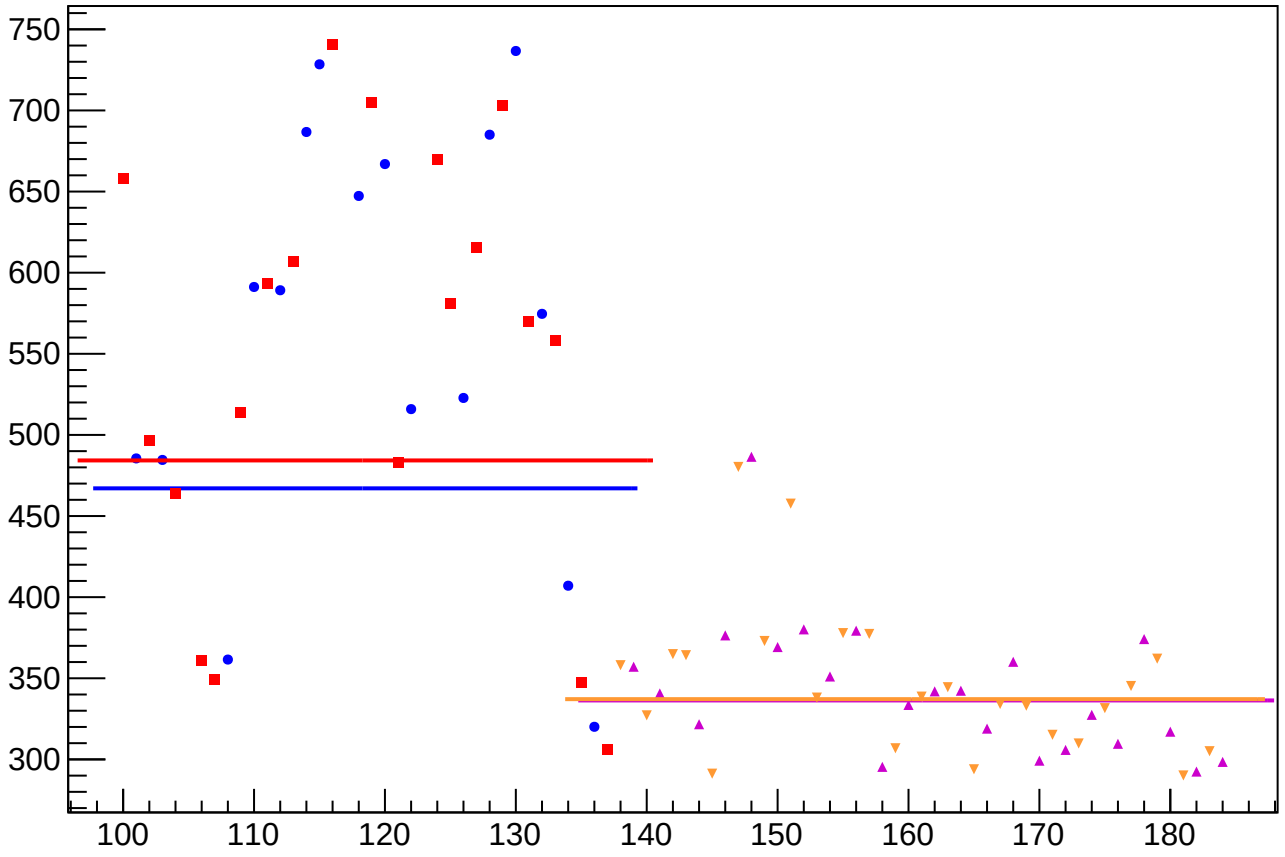
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -127.864+/-71.453 χ^2/NDF: 47.0/39

All: -62.554+/-50.967 χ^2/NDF: 97.4/81

- sign 5.092+/-72.720 χ^2/NDF: 48.7/41



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

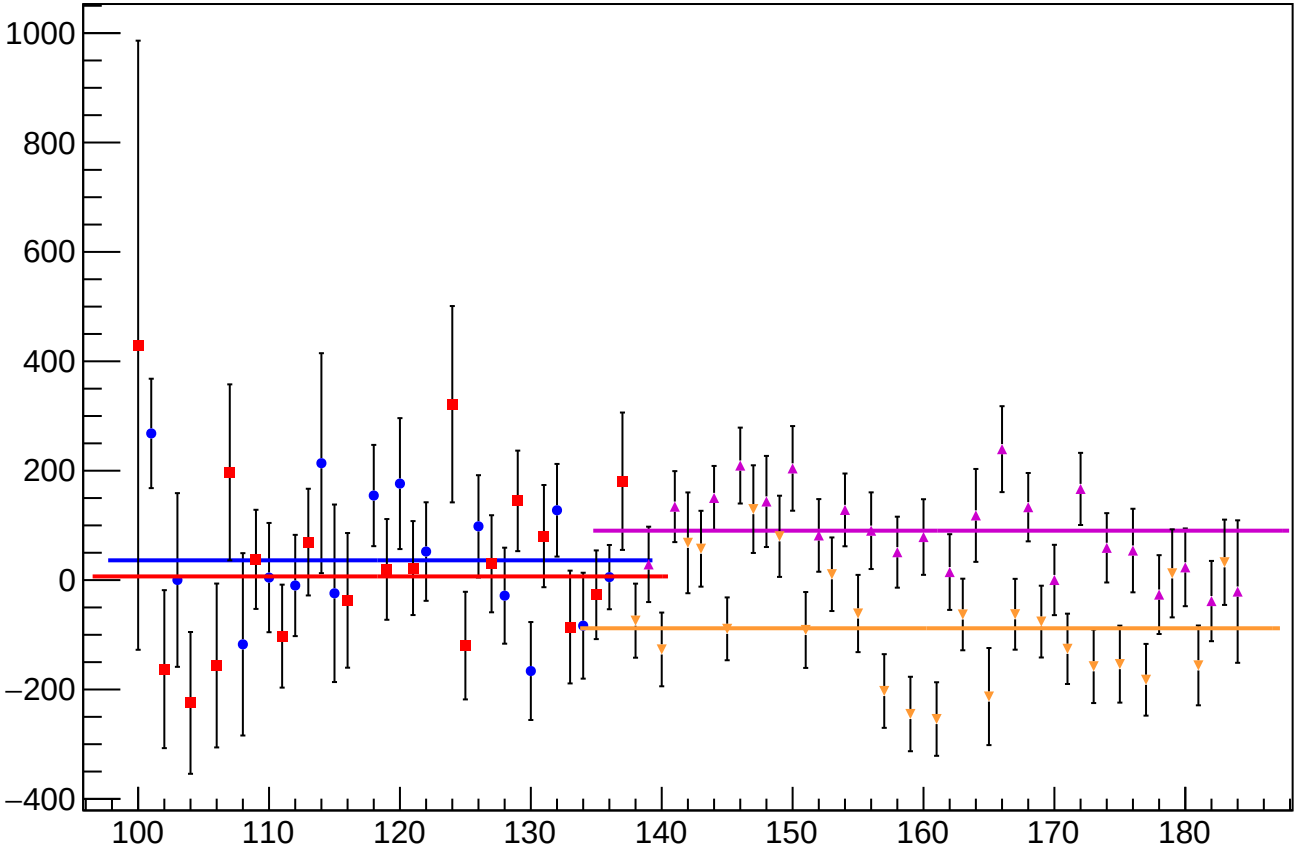
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 357.474+/-0.051 χ^2/NDF: 2412143.6/39

All: 358.488+/-0.036 χ^2/NDF: 4810165.5/81

- sign 359.537+/-0.051 χ^2/NDF: 2397202.8/41

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

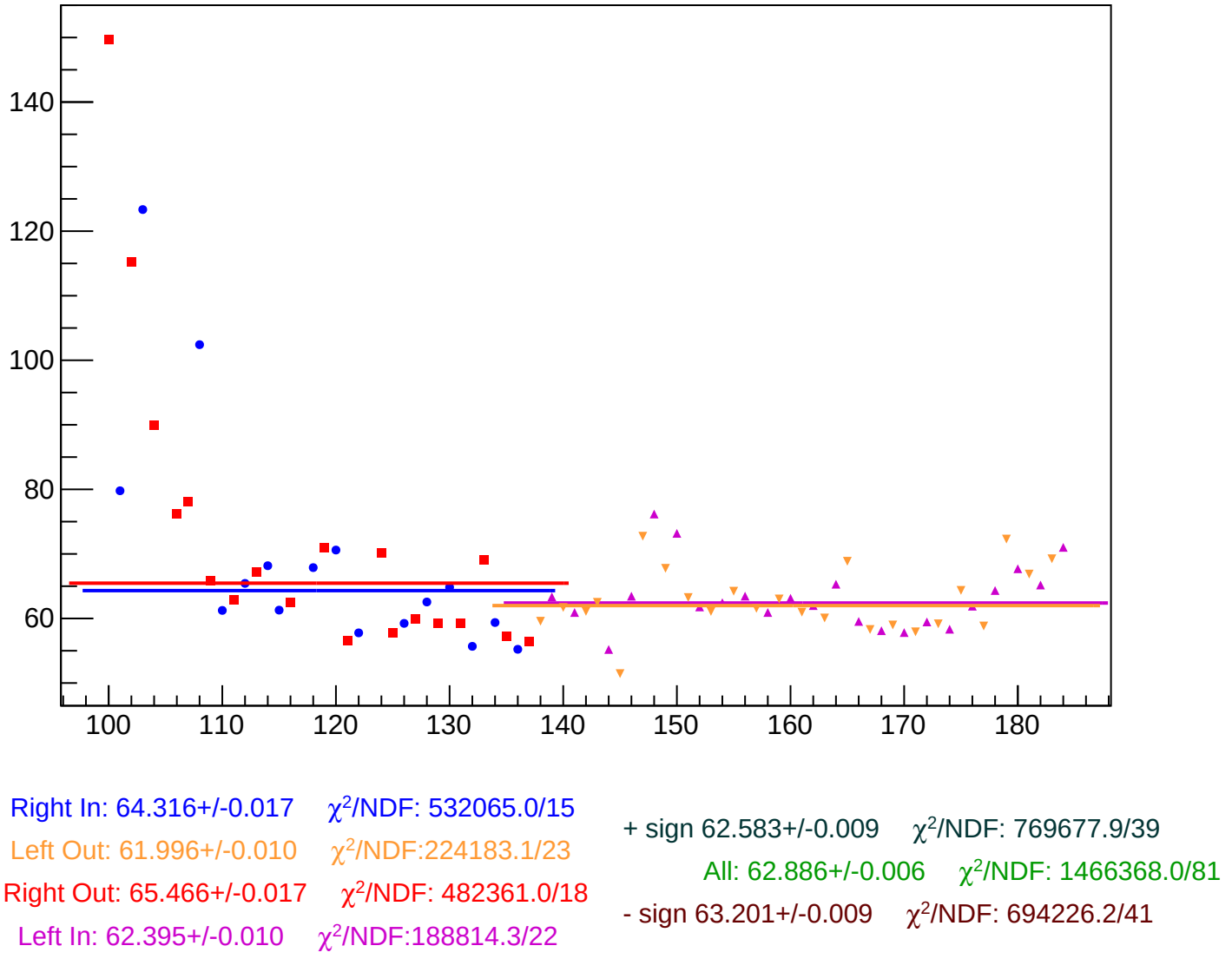
Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

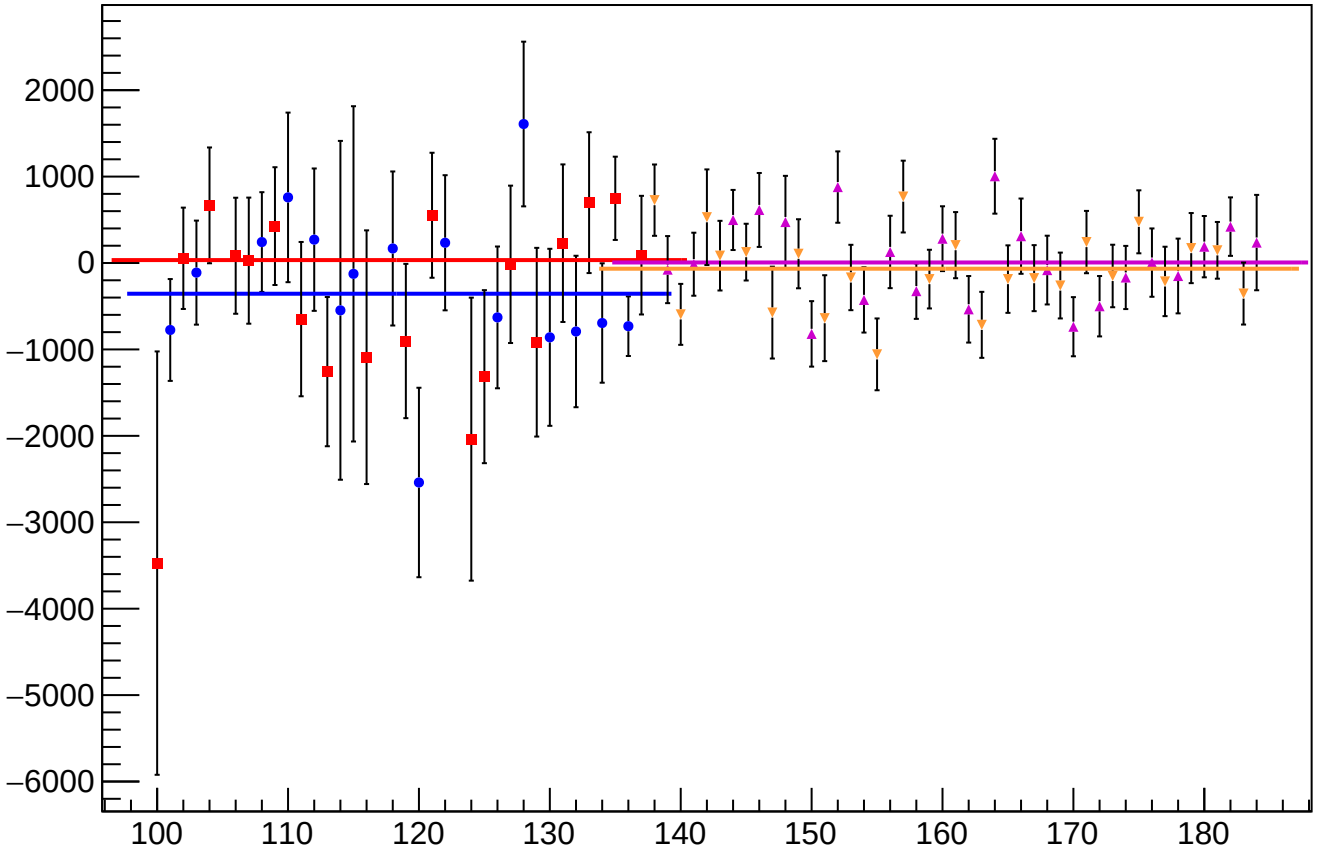
+ sign -56.615+/-12.313 χ^2/NDF: 87.1/39

All: 4.522+/-8.802 χ^2/NDF: 191.5/81

- sign 68.408+/-12.586 χ^2/NDF: 53.9/41


dit_asym_sam_13_57_dd_rms vs Slug
140
120
100
80
60
100
110
120
130
140
150
160
170
180
Right In: 64.316+/-0.017 χ²/NDF: 532065.0/15
Left Out: 61.996+/-0.010 χ²/NDF:224183.1/23
Right Out: 65.466+/-0.017 χ²/NDF: 482361.0/18
Left In: 62.395+/-0.010 χ²/NDF:188814.3/22
+ sign 62.583+/-0.009 χ²/NDF: 769677.9/39
All: 62.886+/-0.006 χ²/NDF: 1466368.0/81
- sign 63.201+/-0.009 χ²/NDF: 694226.2/41

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

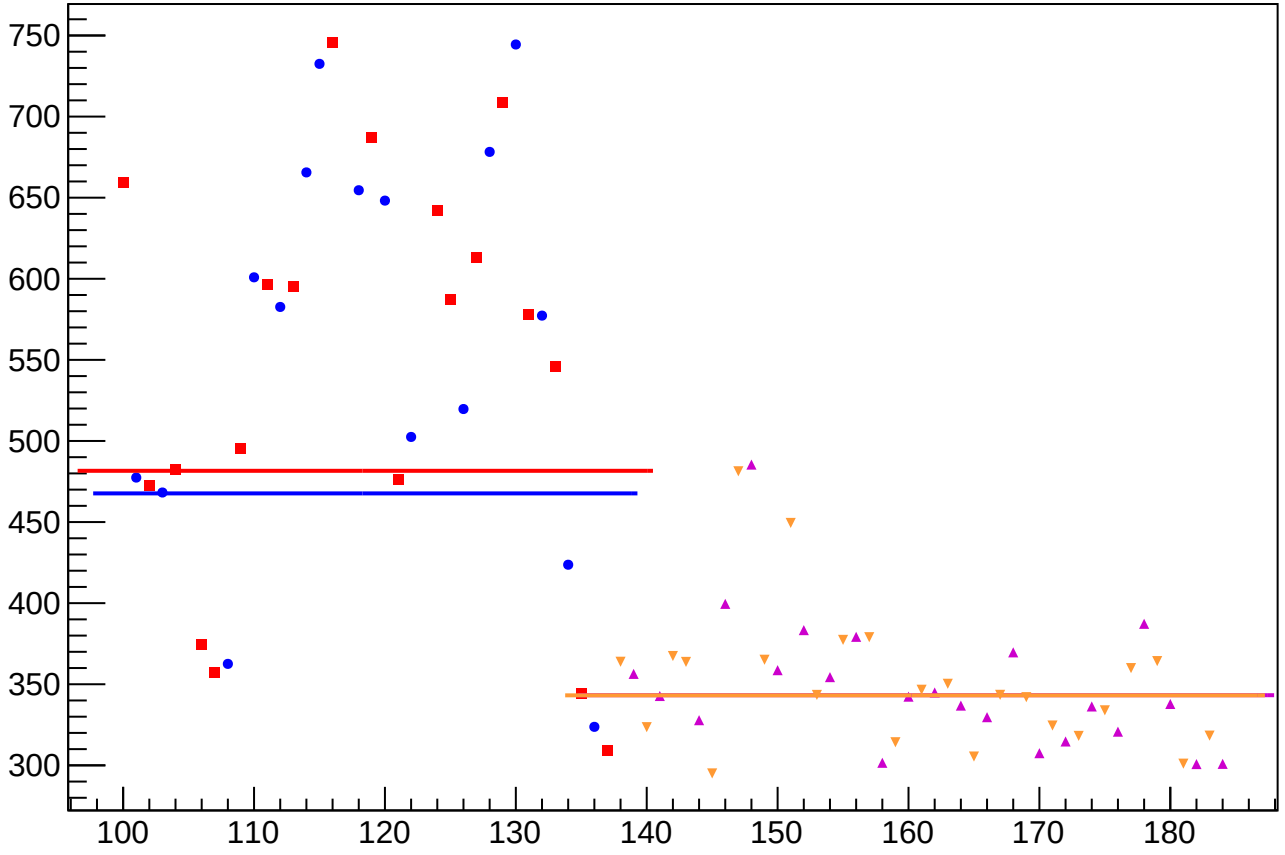
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

\+ sign -112.735+/-72.423 χ^2/NDF: 45.3/39

All: -52.169+/-51.687 χ^2/NDF: 96.1/81

\- sign 10.702+/-73.789 χ^2/NDF: 49.4/41

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

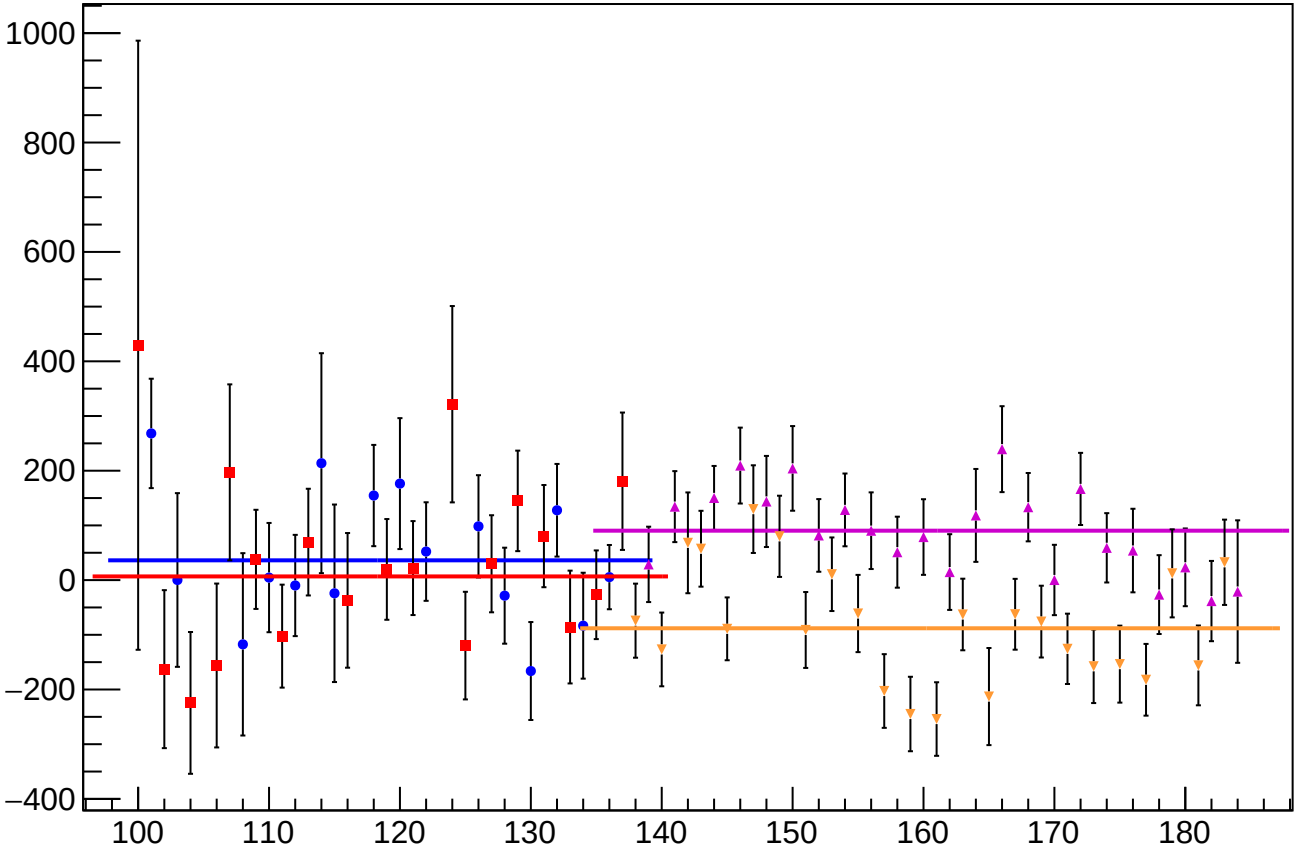
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 363.246+/-0.051 χ^2/NDF: 2211647.6/39

All: 364.645+/-0.037 χ^2/NDF: 4409989.0/81

- sign 366.098+/-0.052 χ^2/NDF: 2196820.0/41

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

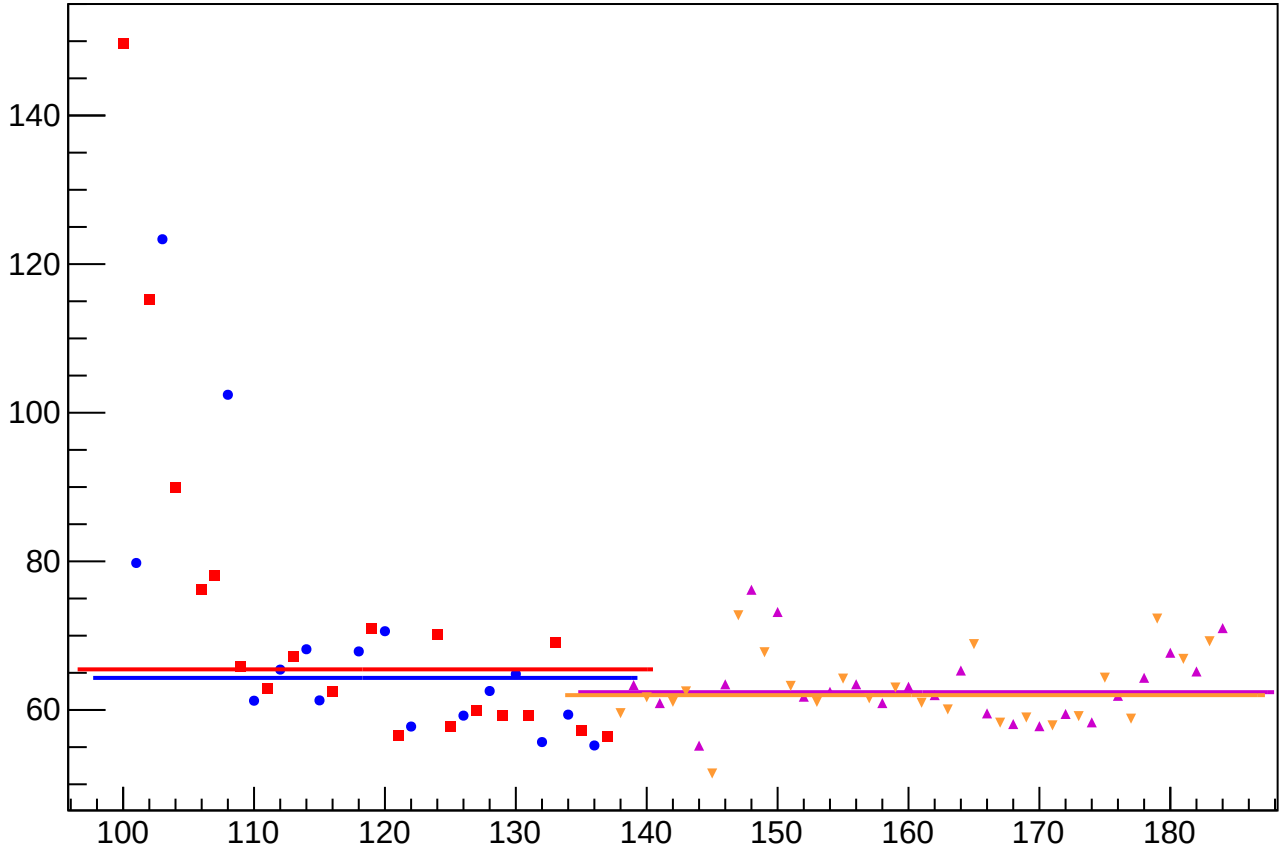
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -56.614+/-12.313 χ^2/NDF: 87.1/39

All: 4.522+/-8.801 χ^2/NDF: 191.5/81

- sign 68.408+/-12.586 χ^2/NDF: 53.9/41

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

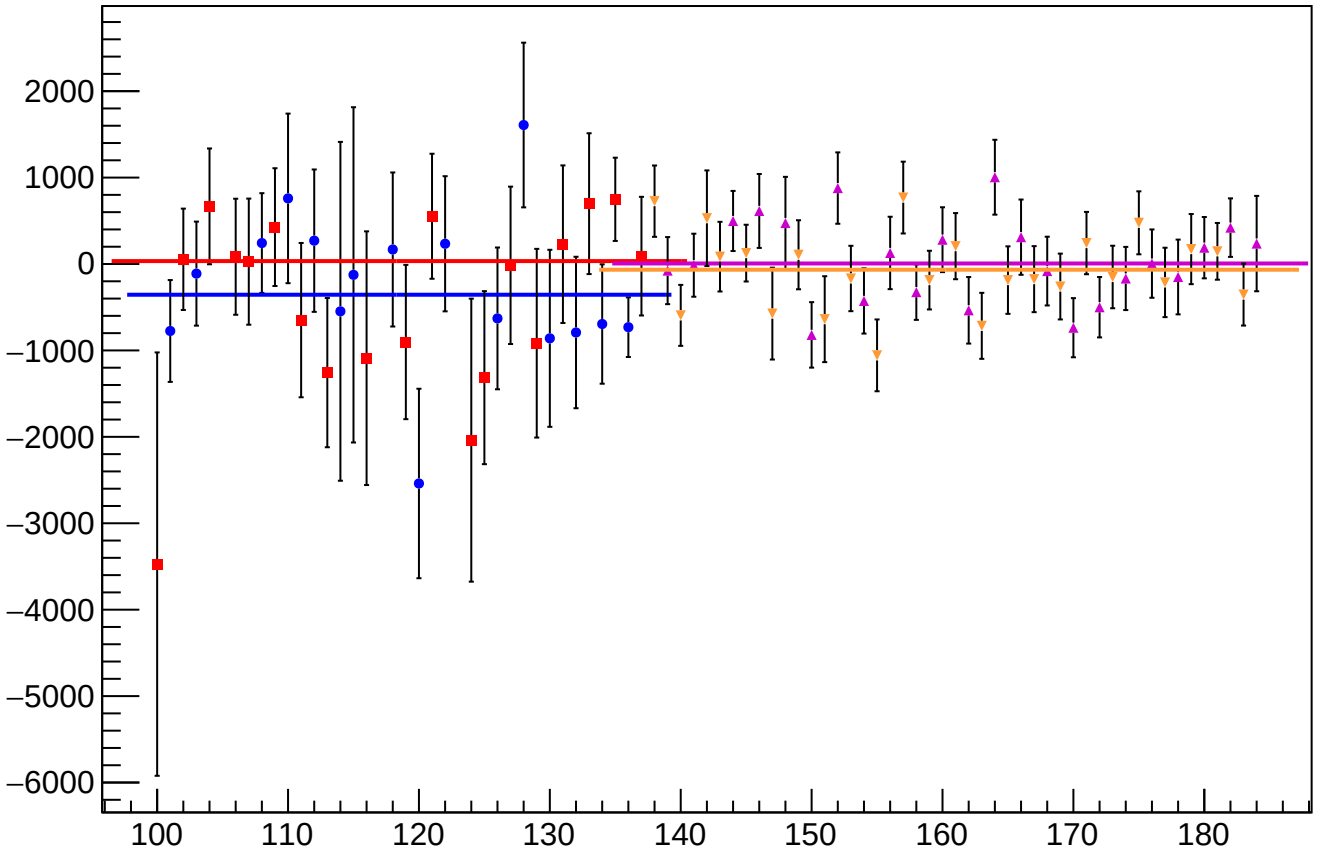
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 62.583+/-0.009 χ^2/NDF: 769689.3/39

All: 62.886+/-0.006 χ^2/NDF: 1466386.8/81

- sign 63.201+/-0.009 χ^2/NDF: 694233.4/41



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -66.044+/-79.081 χ^2/NDF:28.3/23

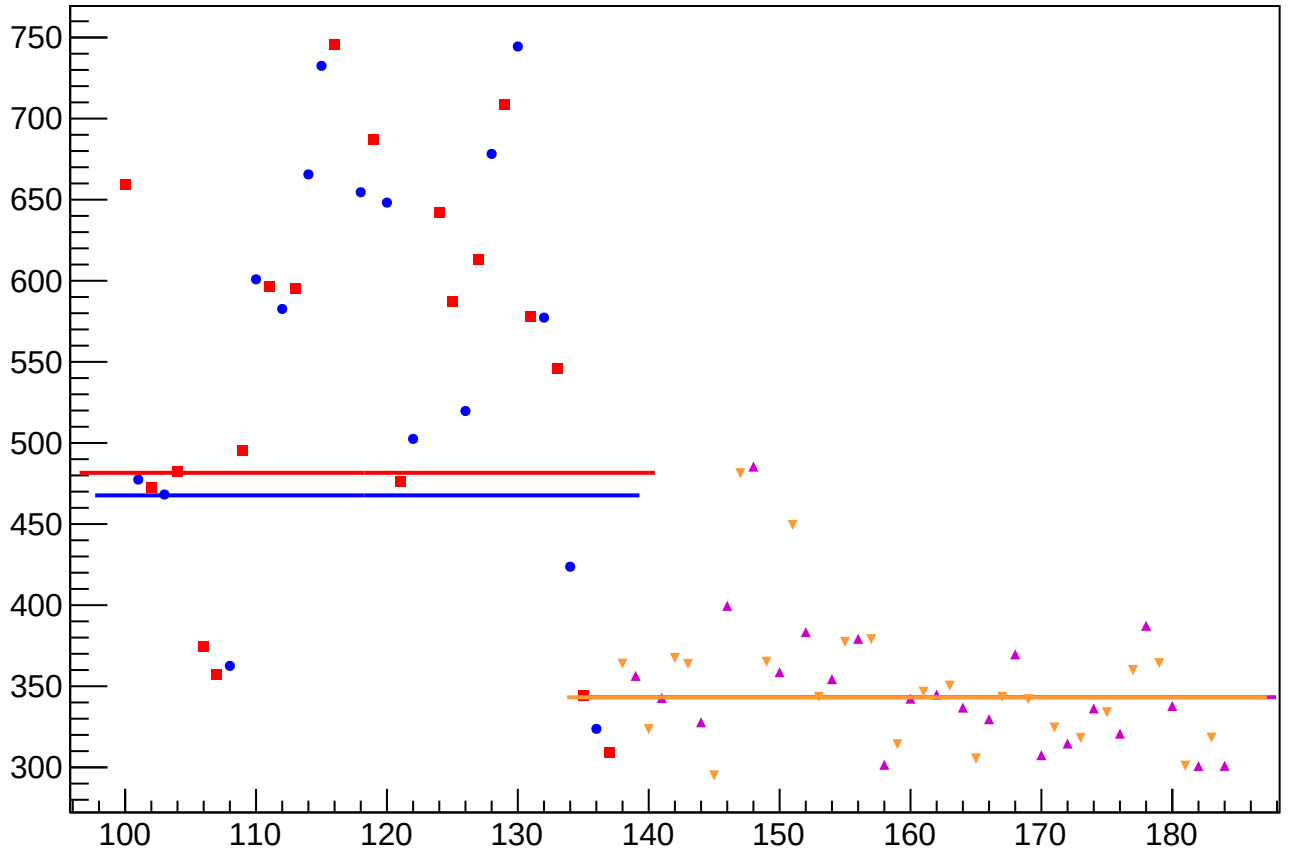
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -112.734+/-72.423 χ^2/NDF: 45.3/39

All: -52.169+/-51.687 χ^2/NDF: 96.1/81

- sign 10.702+/-73.789 χ^2/NDF: 49.4/41



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

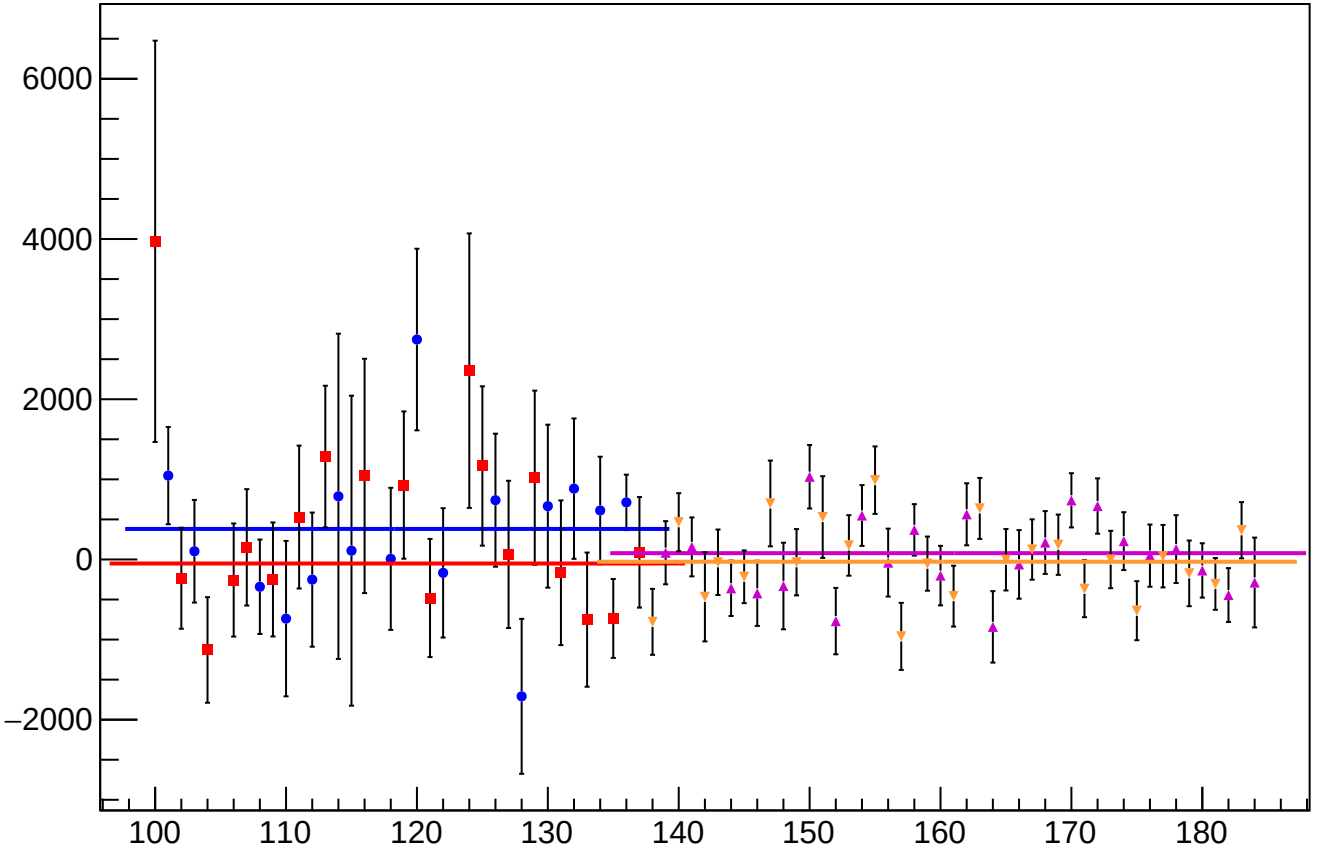
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 363.246+/-0.051 χ^2/NDF: 2211645.2/39

All: 364.645+/-0.037 χ^2/NDF: 4409978.2/81

- sign 366.098+/-0.052 χ^2/NDF: 2196811.5/41

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

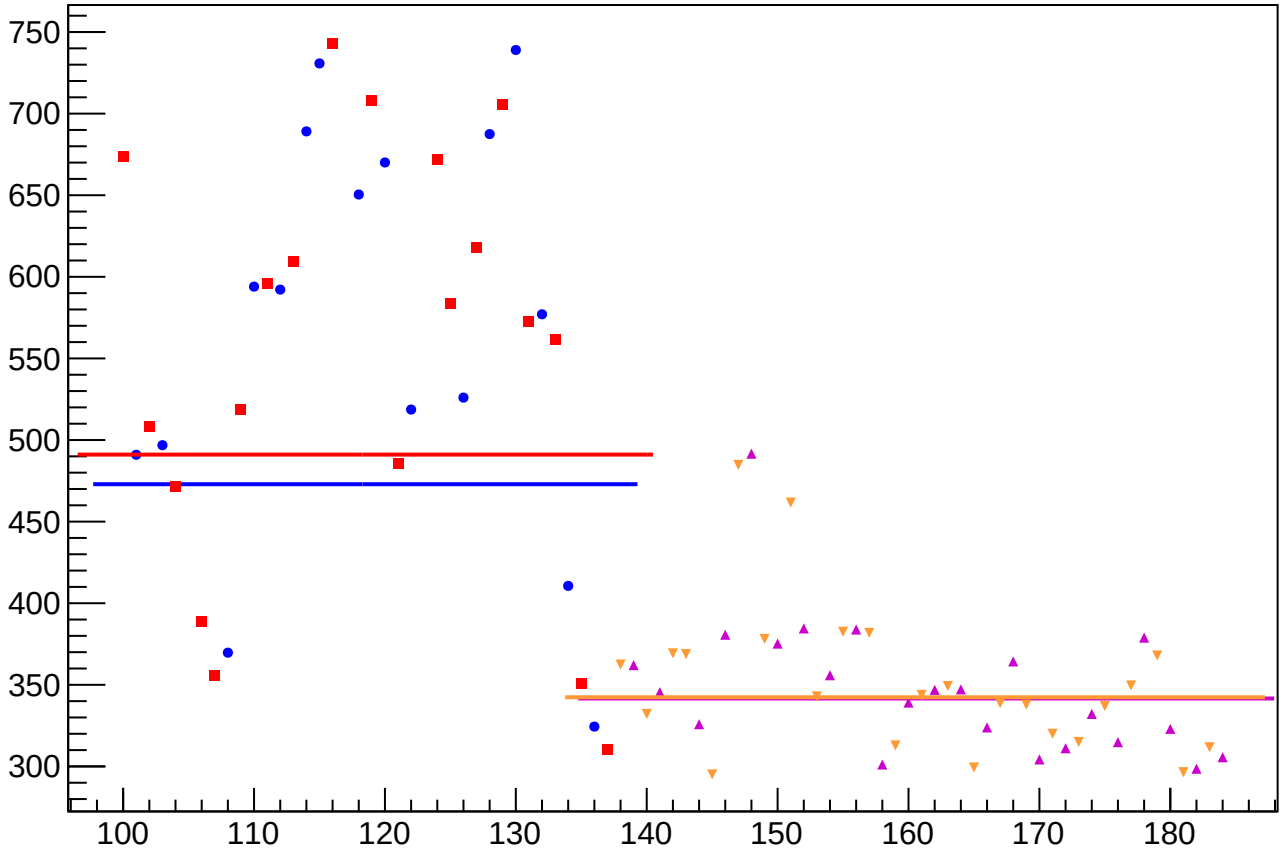
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 35.978+/-72.495 χ^2/NDF: 51.3/39

All: 46.922+/-51.704 χ^2/NDF: 102.1/81

- sign 58.252+/-73.762 χ^2/NDF: 50.8/41

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

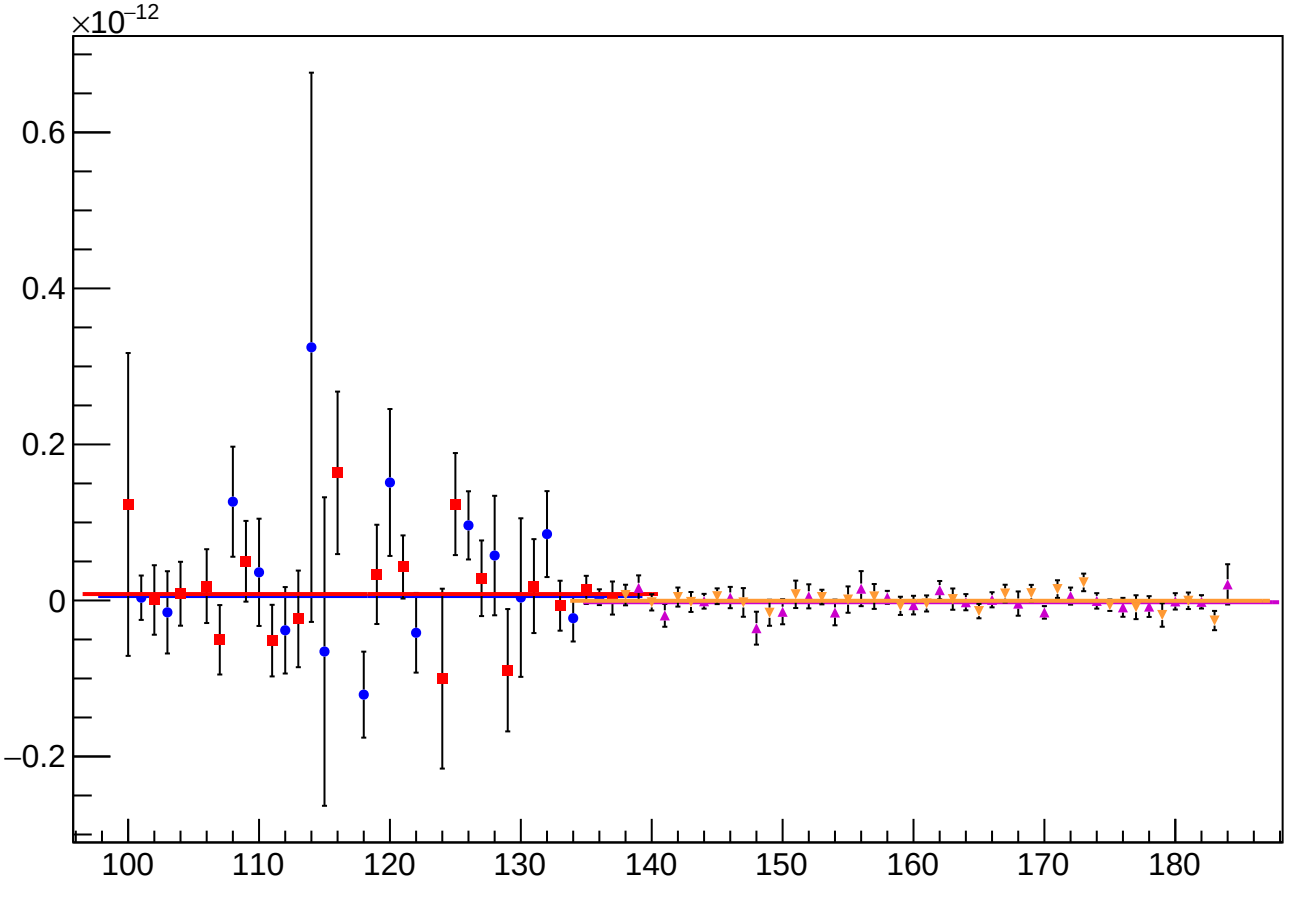
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 362.940+/-0.051 χ^2/NDF: 2349477.0/39

All: 364.105+/-0.037 χ^2/NDF: 4689965.3/81

- sign 365.312+/-0.052 χ^2/NDF: 2339435.9/41



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

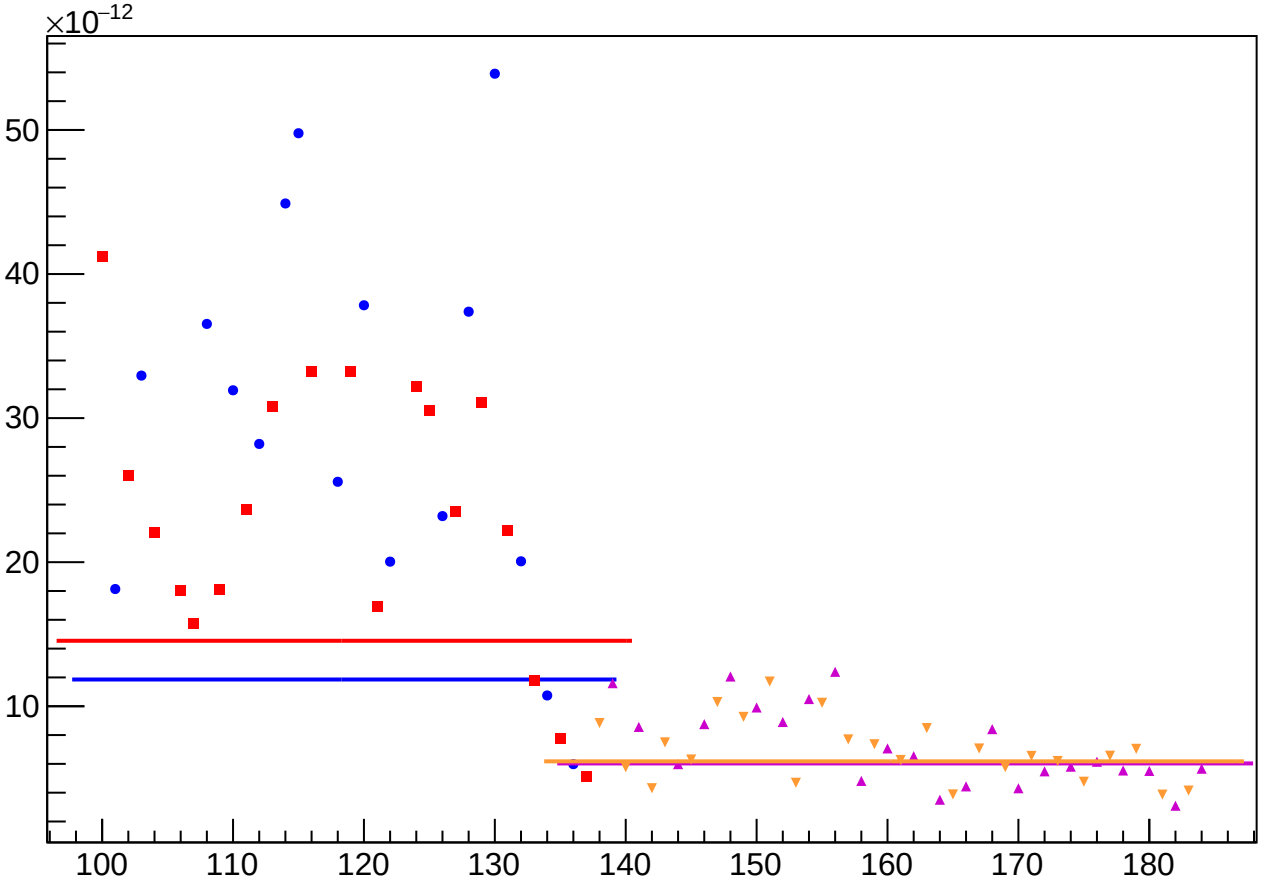
Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.6/39

All: -0.000+/-0.000 χ^2/NDF: 70.4/81

- sign -0.000+/-0.000 χ^2/NDF: 29.6/41

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

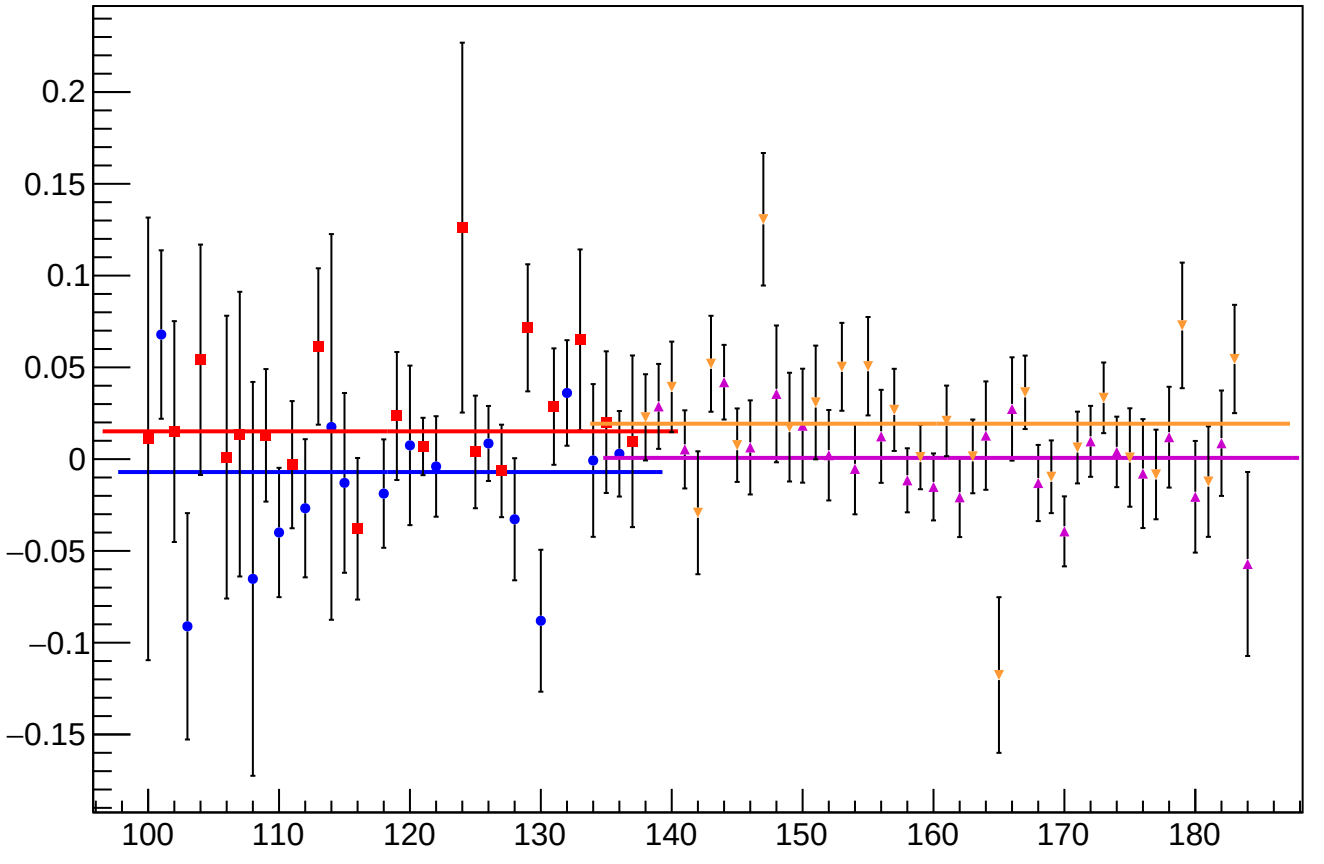
Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4906861.5/39

All: 0.000+/-0.000 χ^2/NDF: 9906479.0/81

- sign 0.000+/-0.000 χ^2/NDF: 4999316.0/41



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

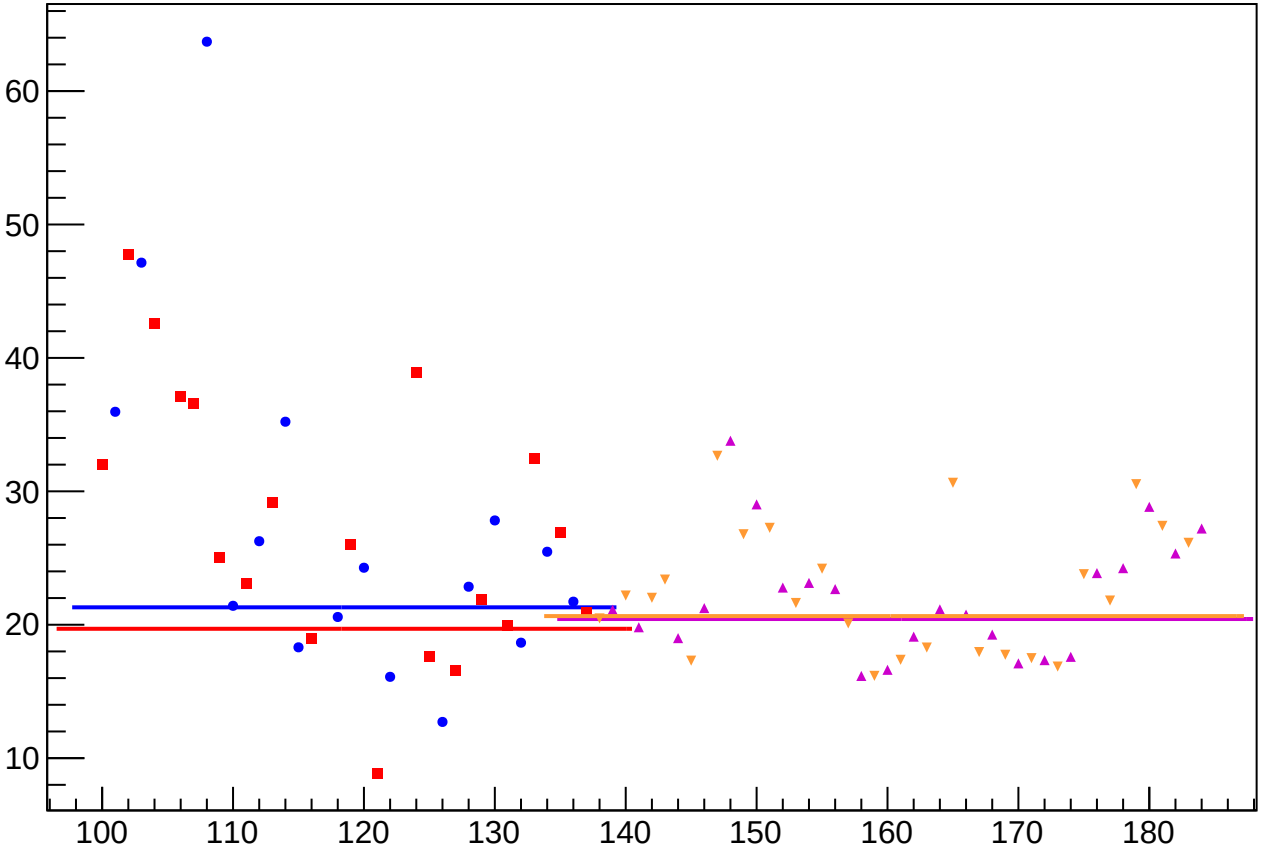
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 61.8/39

All: 0.009+/-0.003 χ^2/NDF: 93.7/81

- sign 0.005+/-0.004 χ^2/NDF: 30.0/41

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

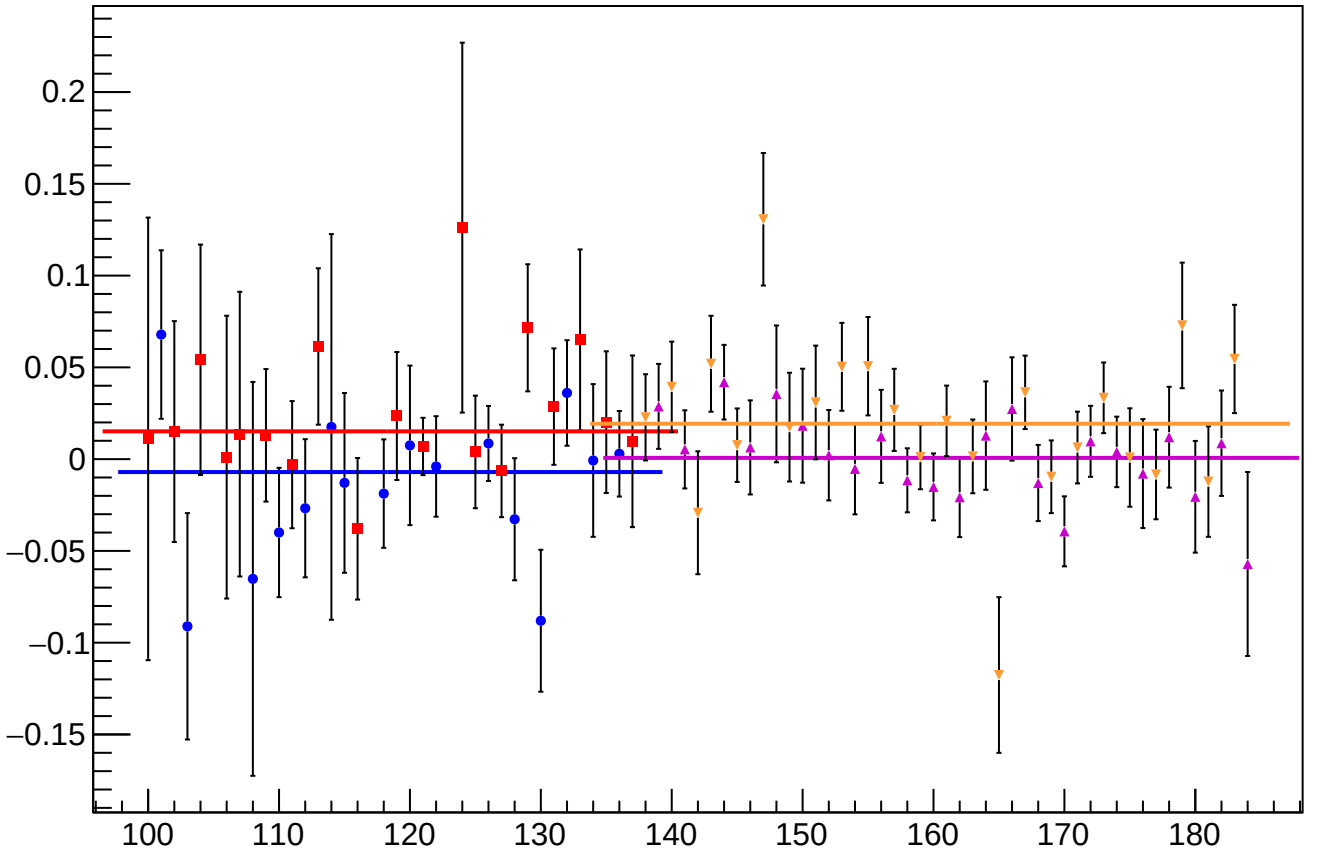
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.808+/-0.003 χ^2/NDF: 2920320.9/39

All: 20.520+/-0.002 χ^2/NDF: 6563118.6/81

- sign 20.235+/-0.003 χ^2/NDF: 3624571.1/41



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

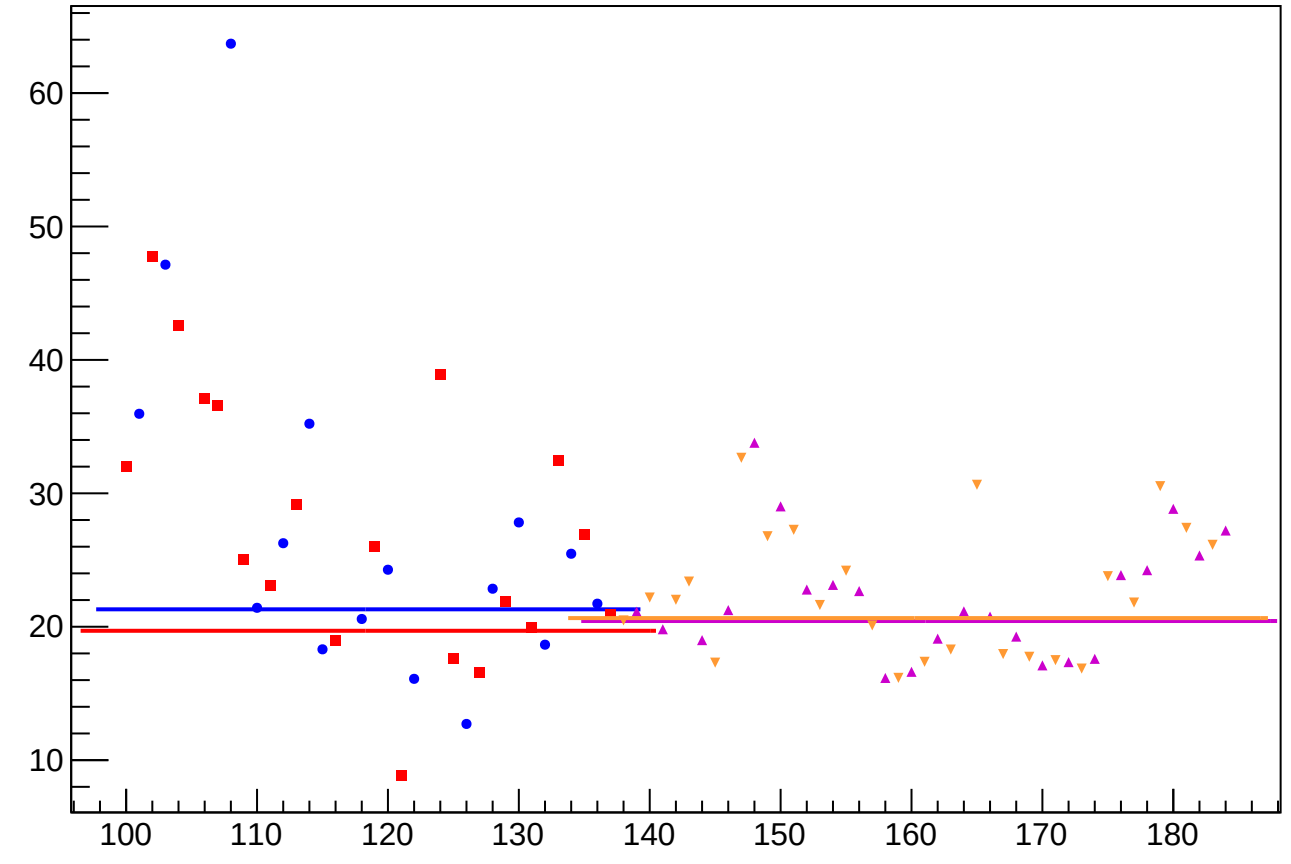
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 61.8/39

All: 0.009+/-0.003 χ^2/NDF: 93.7/81

- sign 0.005+/-0.004 χ^2/NDF: 30.0/41



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432120.9/23

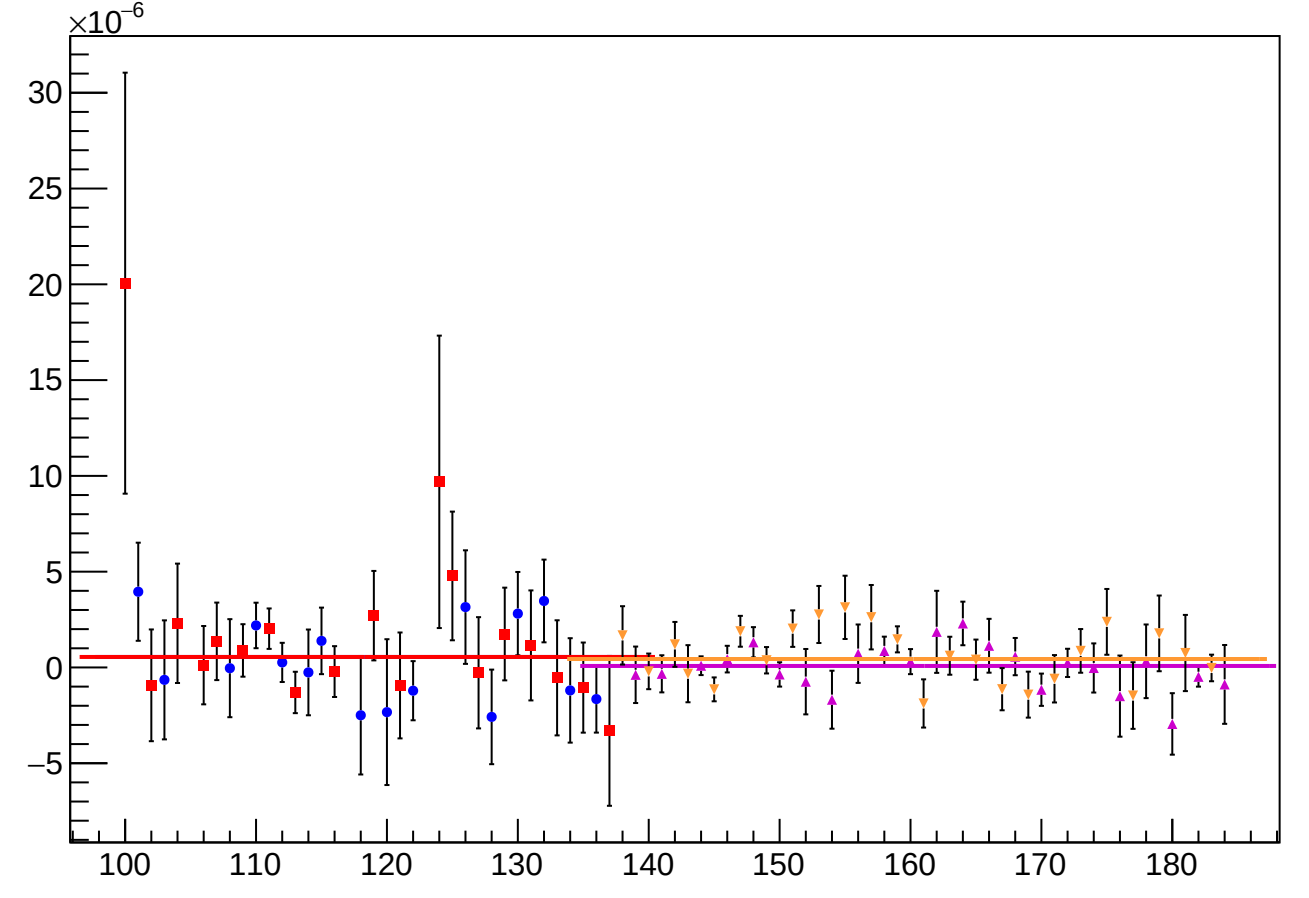
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.808+/-0.003 χ^2/NDF: 2920320.9/39

All: 20.520+/-0.002 χ^2/NDF: 6563118.6/81

- sign 20.235+/-0.003 χ^2/NDF: 3624571.1/41



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

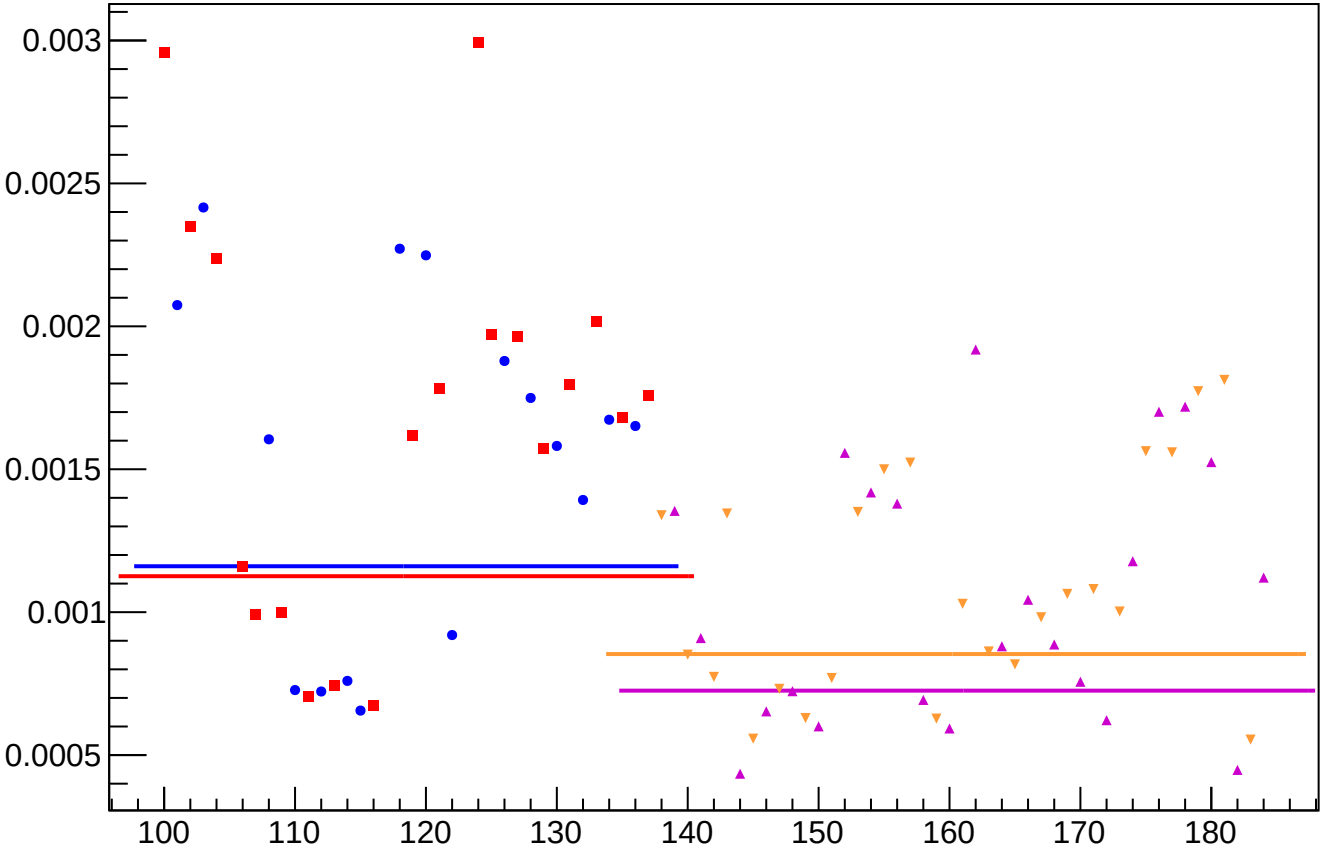
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.0/39

All: 0.000+/-0.000 χ^2/NDF: 87.2/81

- sign 0.000+/-0.000 χ^2/NDF: 35.8/41

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

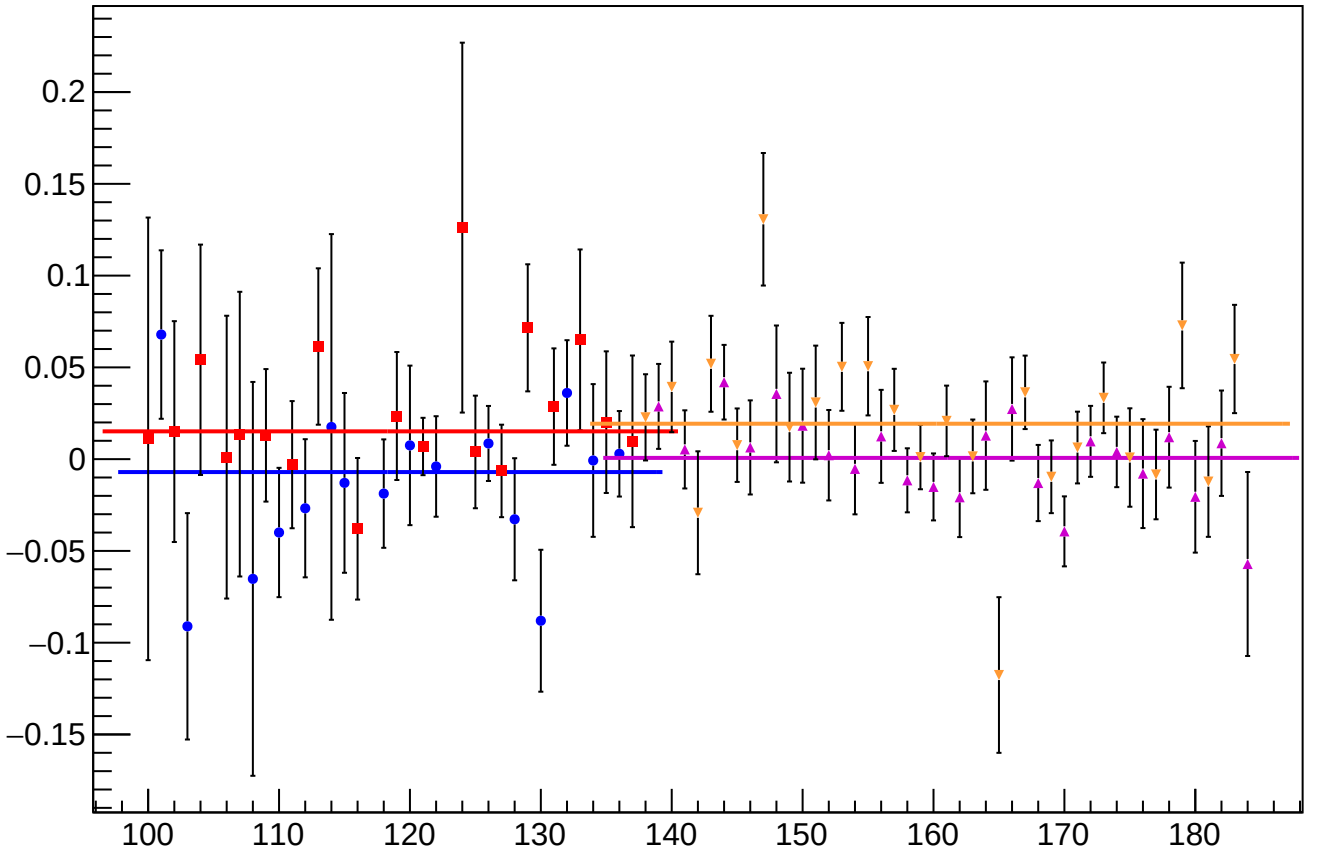
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 7616599.6/39

All: 0.001+/-0.000 χ^2/NDF: 17786532.1/81

- sign 0.001+/-0.000 χ^2/NDF: 9735906.6/41



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

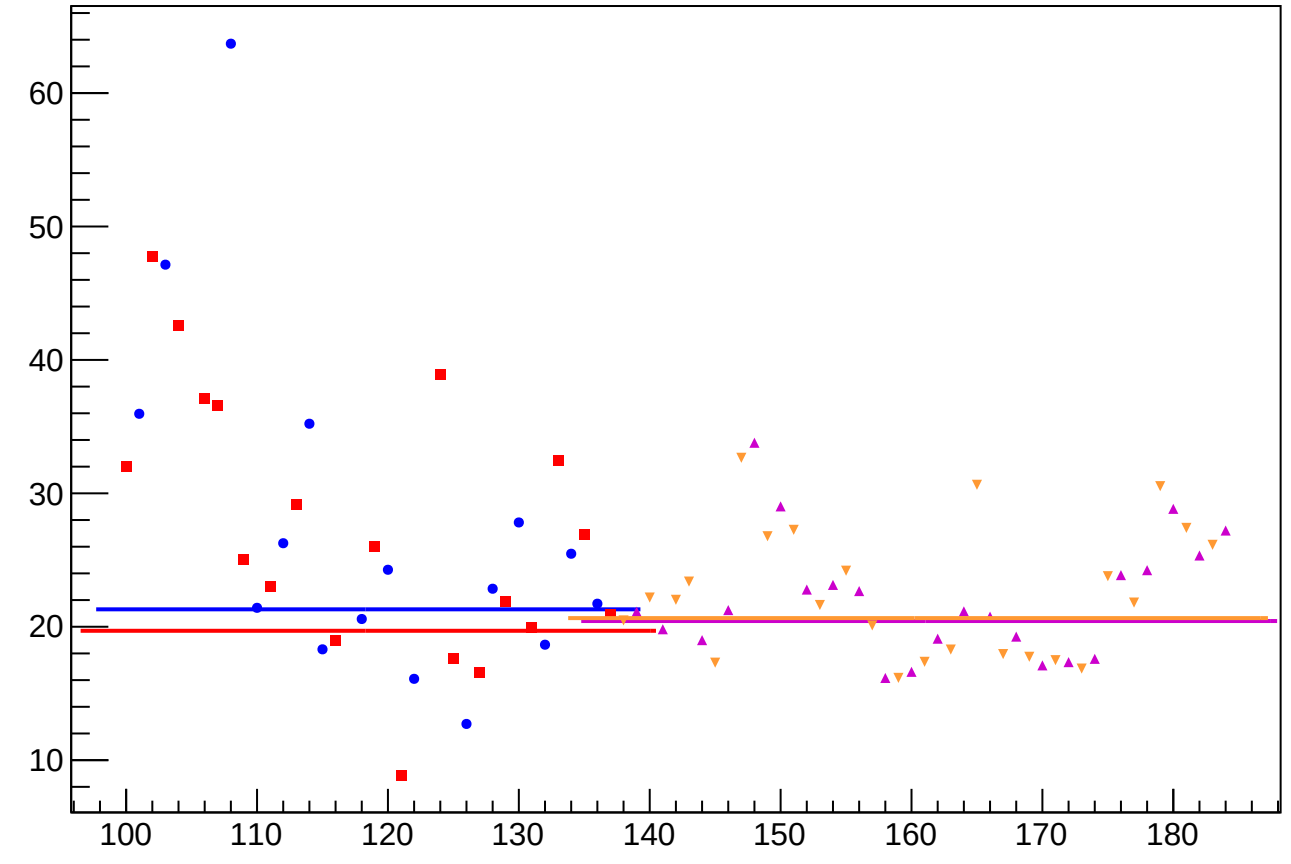
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 61.8/39

All: 0.009+/-0.003 χ^2/NDF: 93.7/81

- sign 0.005+/-0.004 χ^2/NDF: 30.0/41



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432222.7/23

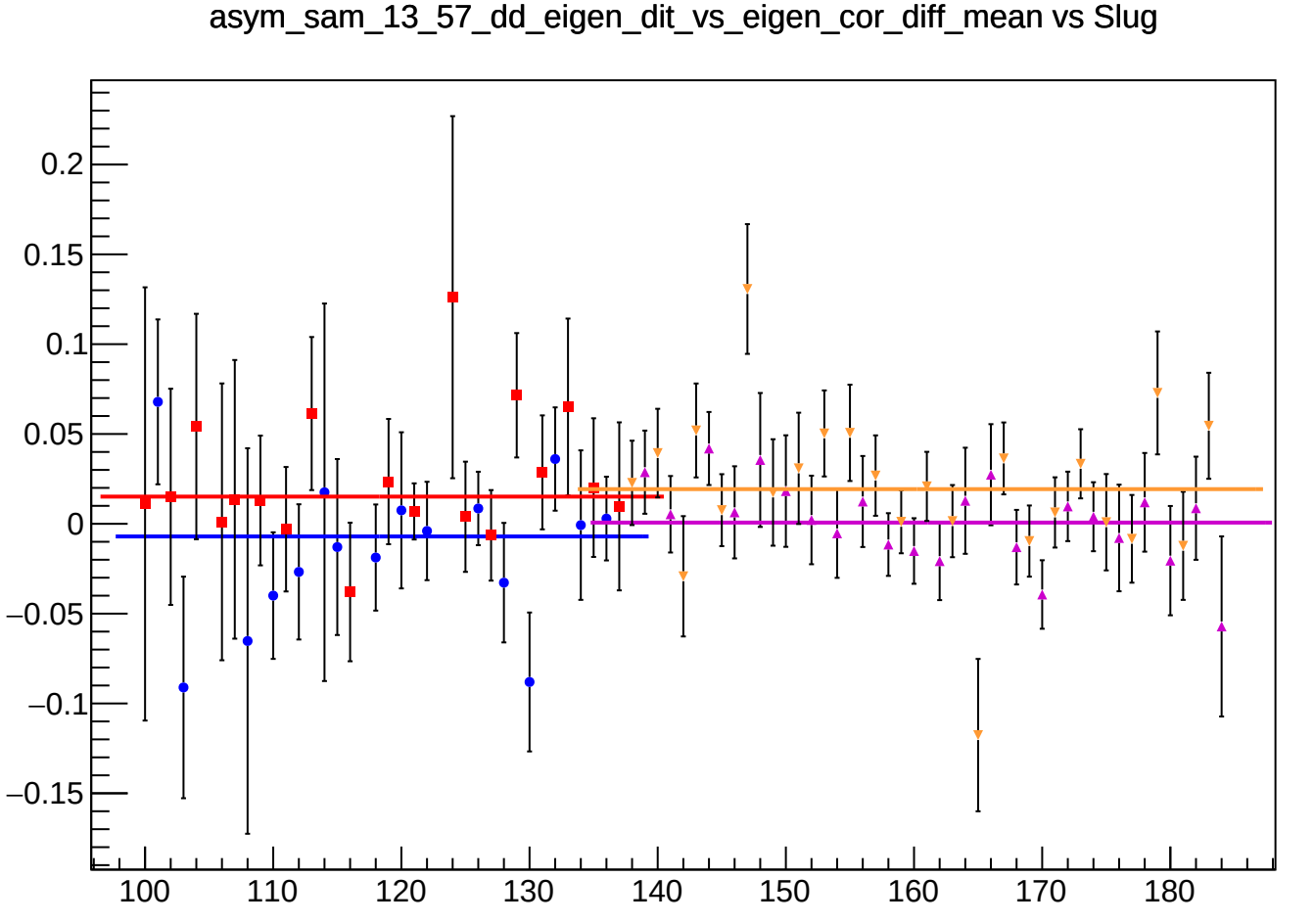
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.808+/-0.003 χ^2/NDF: 2920265.1/39

All: 20.520+/-0.002 χ^2/NDF: 6562711.1/81

- sign 20.235+/-0.003 χ^2/NDF: 3624230.3/41



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:40.4/23

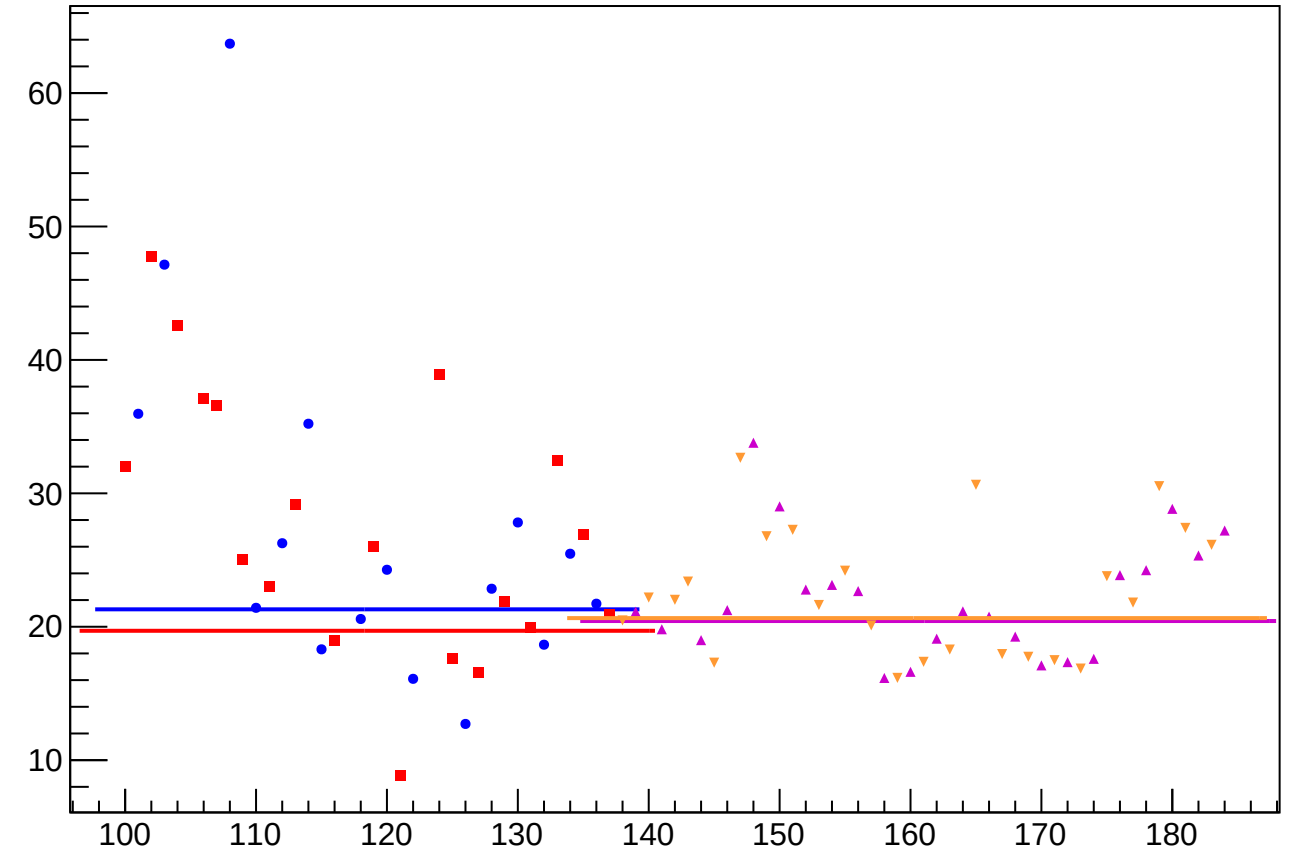
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 61.8/39

All: 0.009+/-0.003 χ^2/NDF: 93.7/81

- sign 0.005+/-0.004 χ^2/NDF: 30.0/41



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.648+/-0.003 χ^2/NDF:1432222.7/23

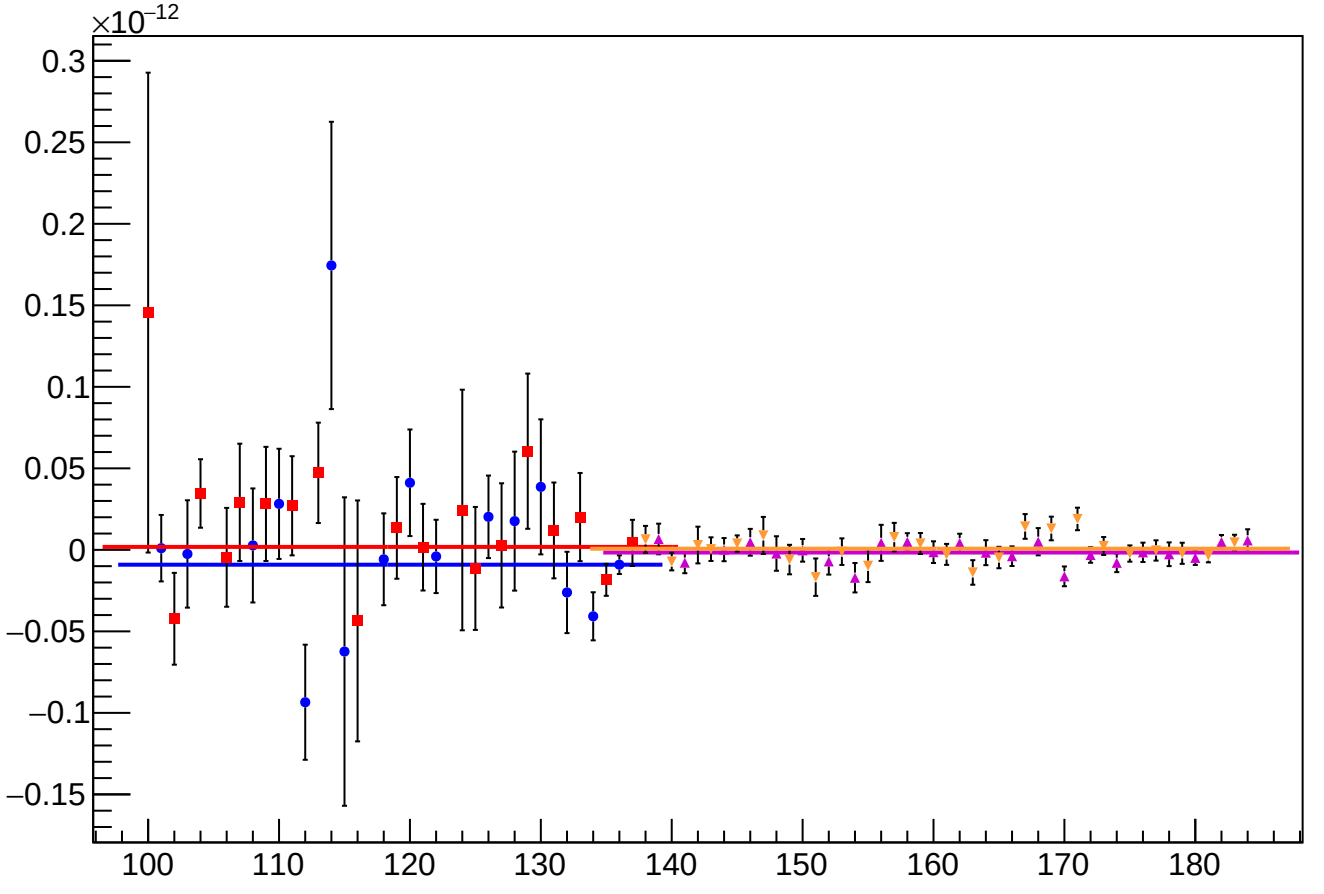
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.808+/-0.003 χ^2/NDF: 2920265.1/39

All: 20.520+/-0.002 χ^2/NDF: 6562711.1/81

- sign 20.235+/-0.003 χ^2/NDF: 3624230.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/23

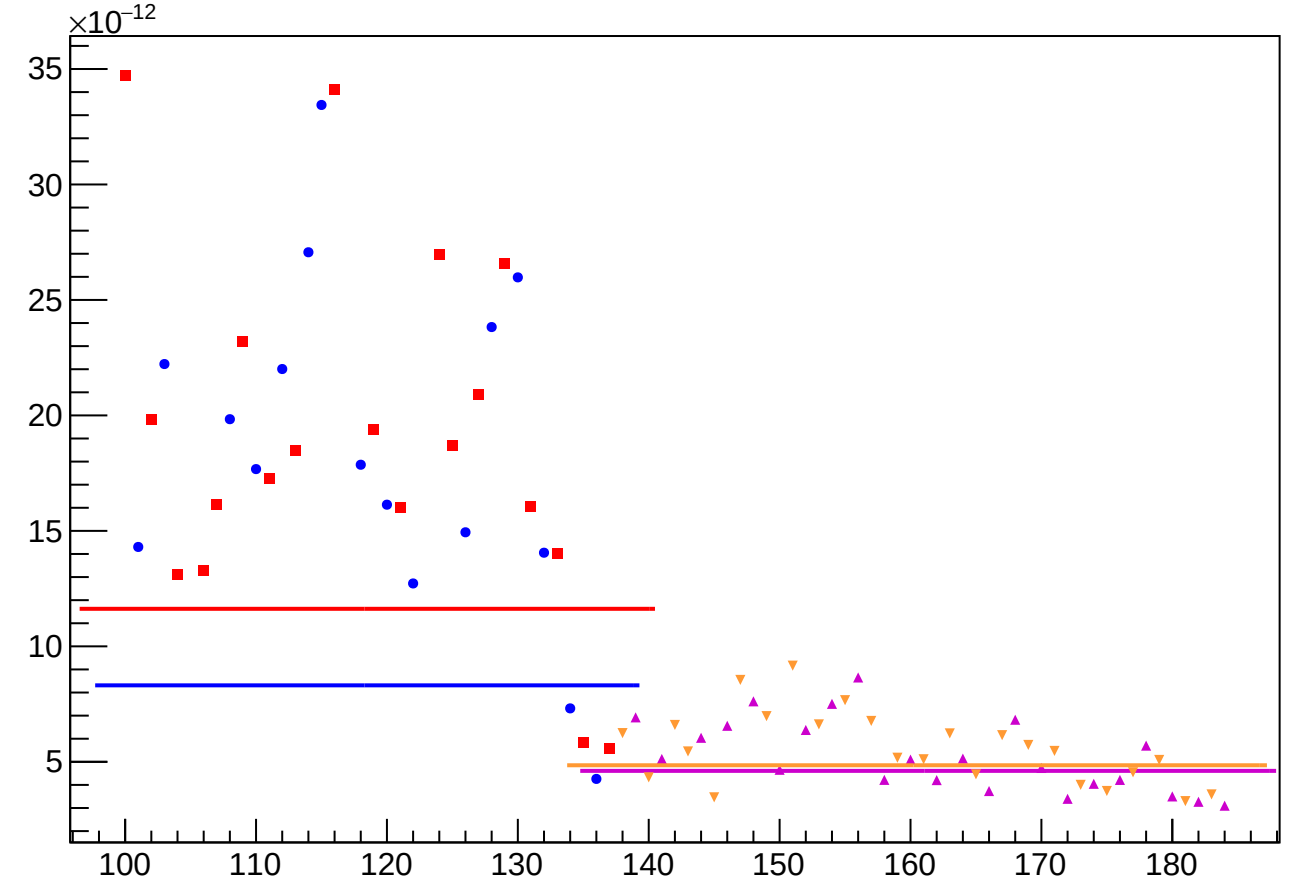
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/39

All: -0.000+/-0.000 χ^2/NDF: 94.1/81

- sign -0.000+/-0.000 χ^2/NDF: 37.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2009363.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

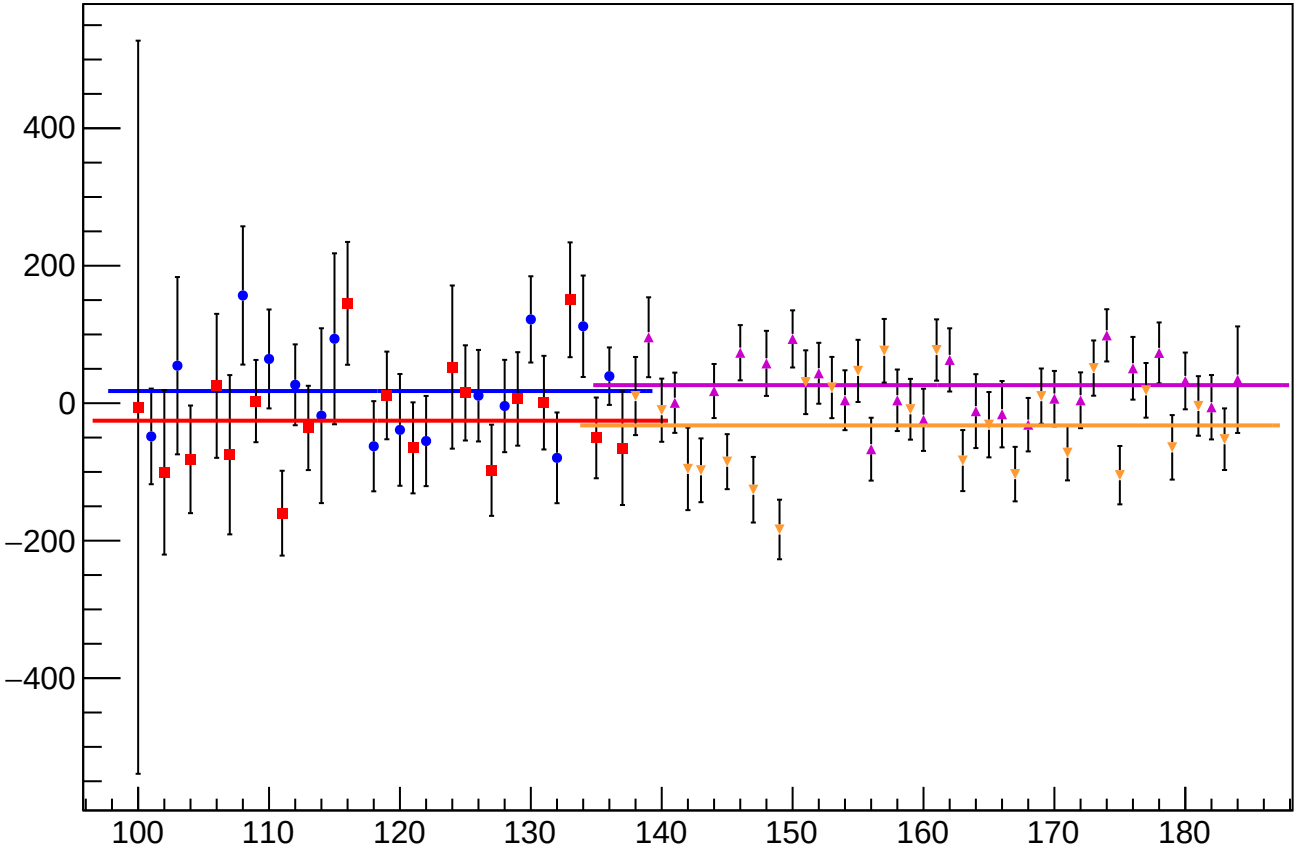
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6829413.8/39

All: 0.000+/-0.000 χ^2/NDF: 14251564.0/81

- sign 0.000+/-0.000 χ^2/NDF: 7407026.5/41

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

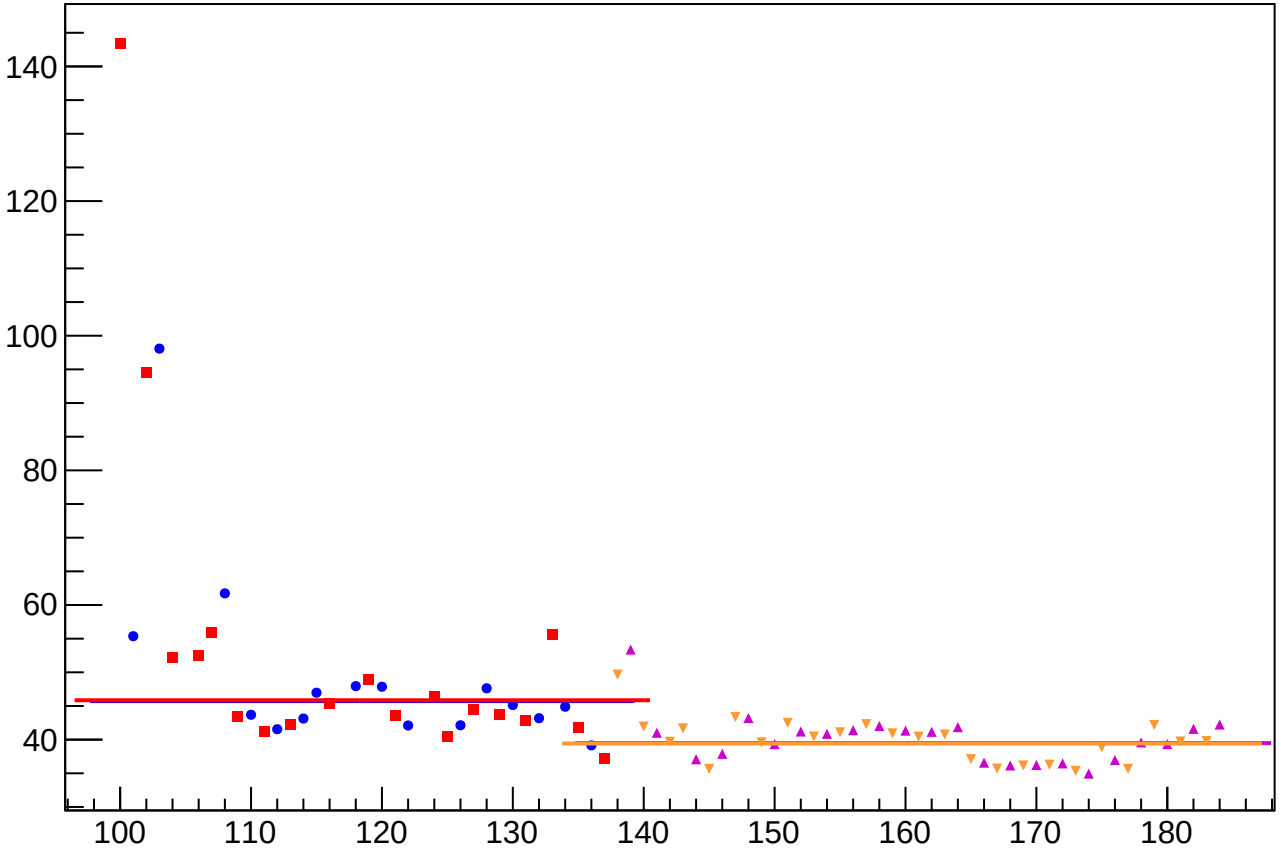
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.679+/-8.046 χ^2/NDF: 76.9/39

All: -3.748+/-5.735 χ^2/NDF: 134.2/81

- sign 14.767+/-8.176 χ^2/NDF: 47.2/41

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

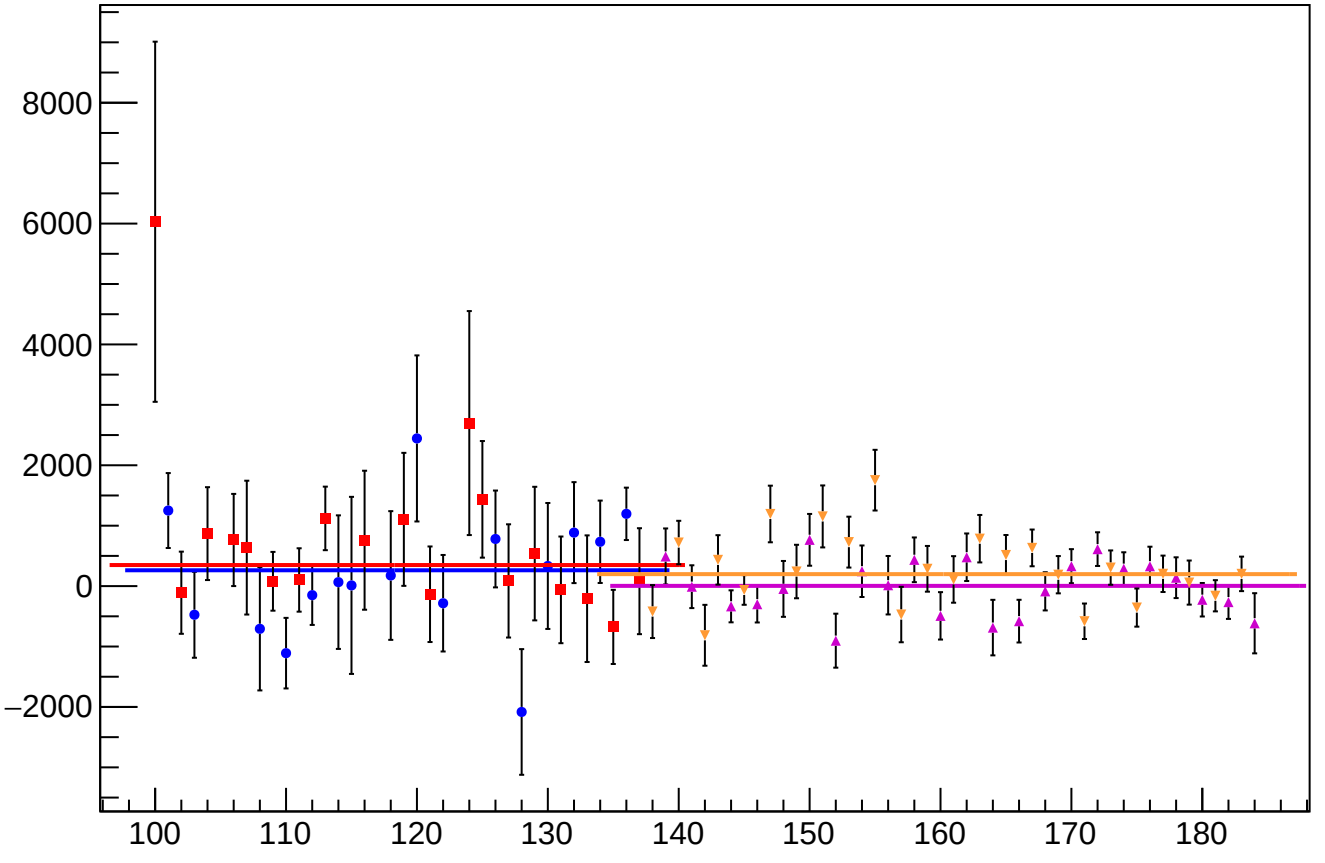
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.761+/-0.006 χ^2/NDF: 932617.4/39

All: 40.832+/-0.004 χ^2/NDF: 1934083.0/81

- sign 40.905+/-0.006 χ^2/NDF: 1001150.7/41

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

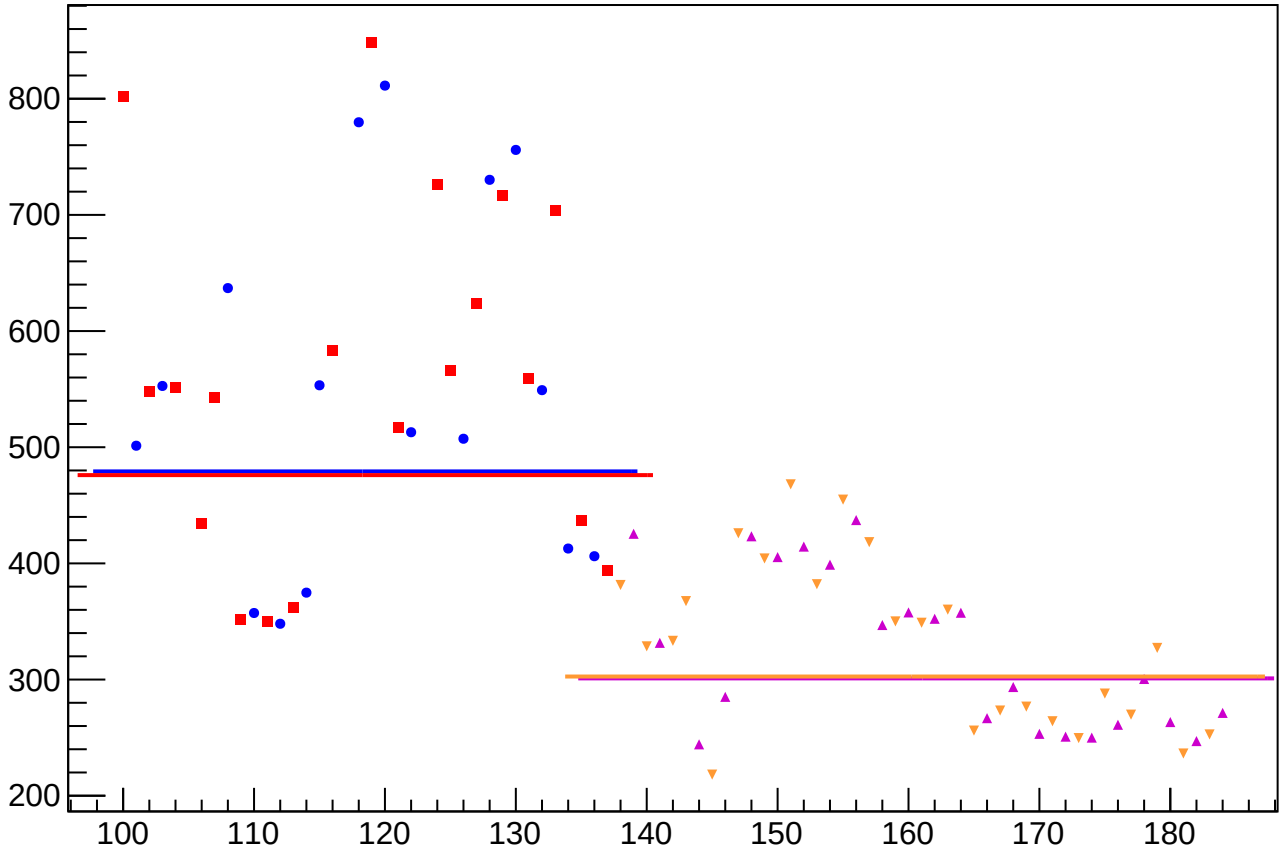
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 206.347+/-66.392 χ^2/NDF: 73.6/39

All: 129.342+/-47.114 χ^2/NDF: 126.8/81

- sign 51.225+/-66.870 χ^2/NDF: 50.4/41

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

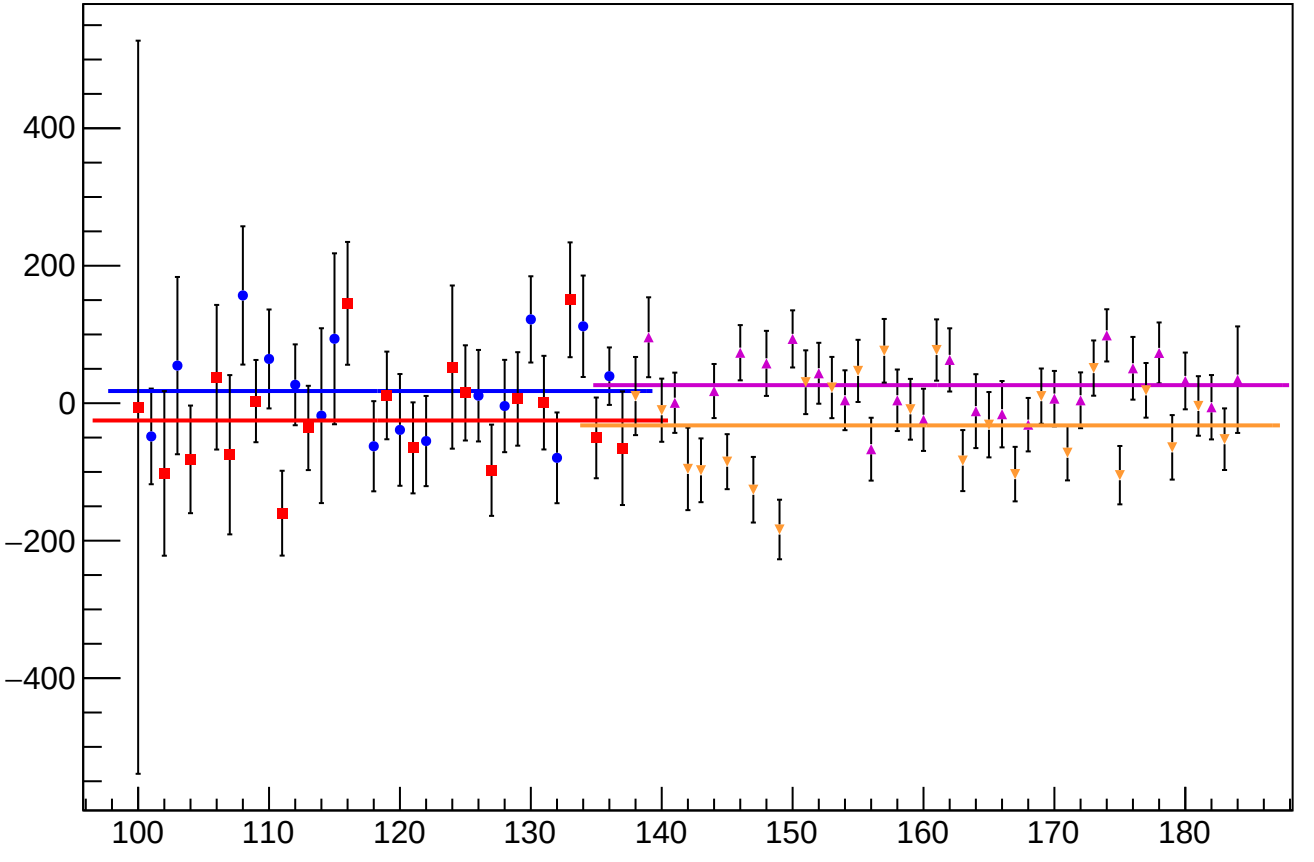
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 325.297+/-0.047 χ^2/NDF: 4249742.9/39

All: 325.134+/-0.033 χ^2/NDF: 8282514.3/81

- sign 324.969+/-0.047 χ^2/NDF: 4032747.2/41

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

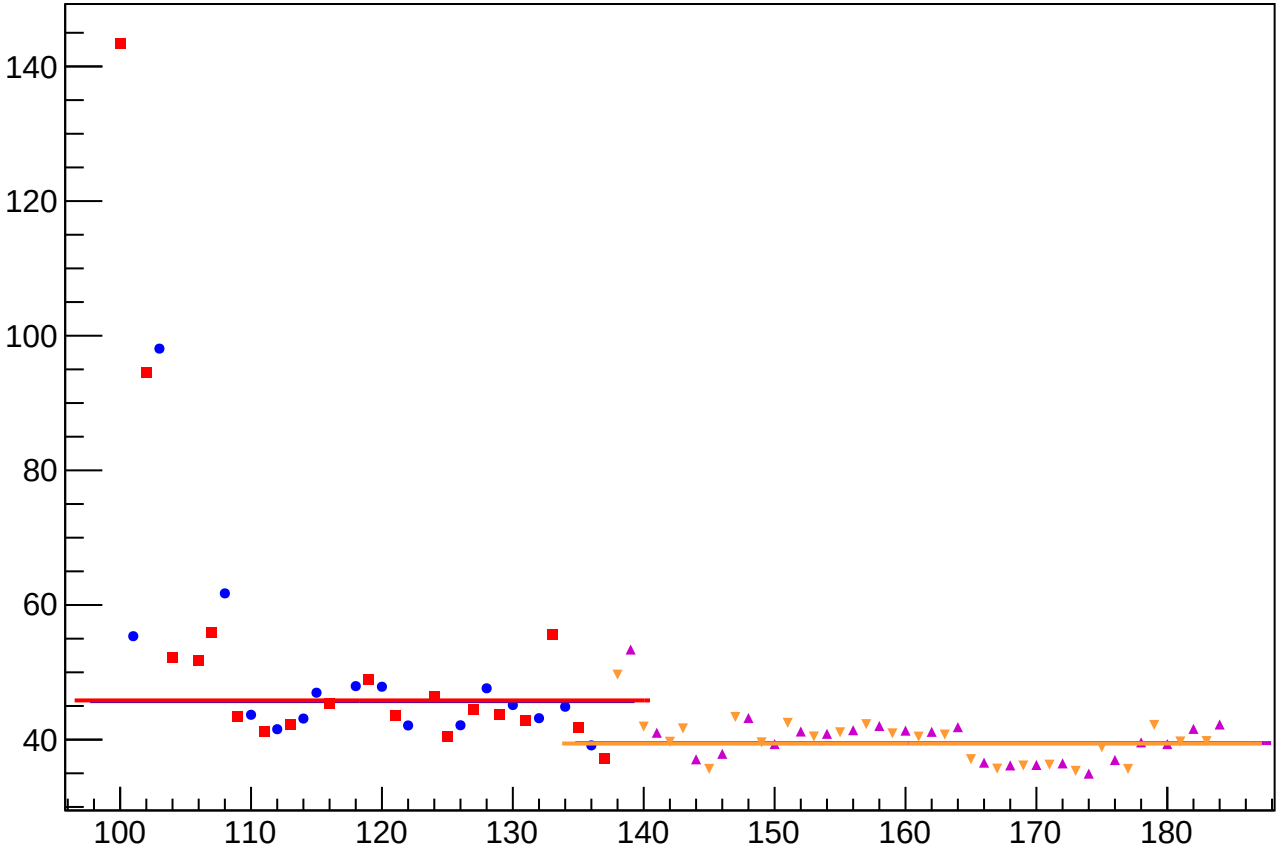
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.678+/-8.046 χ^2/NDF: 76.9/39

All: -3.714+/-5.735 χ^2/NDF: 134.4/81

- sign 14.836+/-8.176 χ^2/NDF: 47.3/41

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

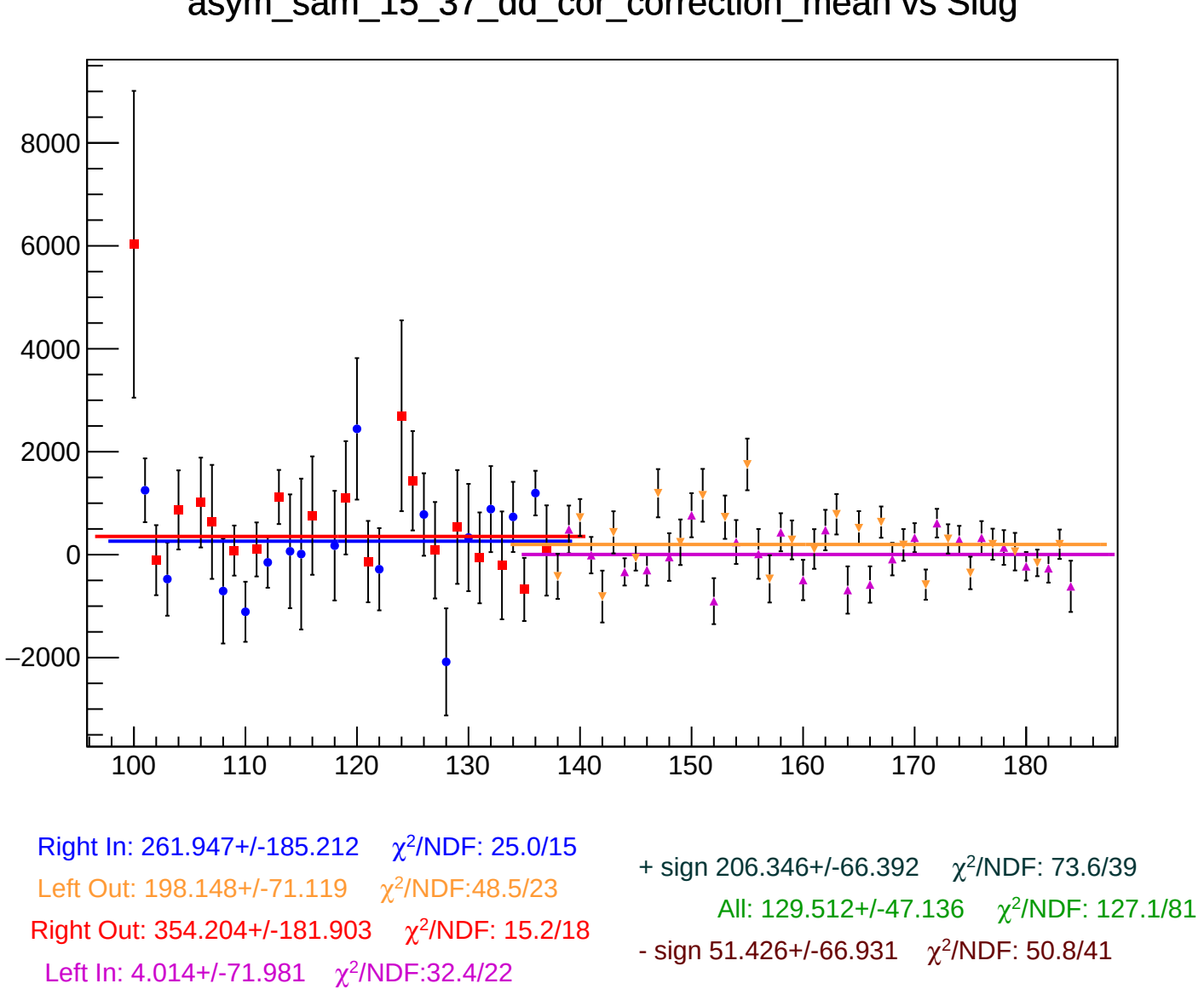
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

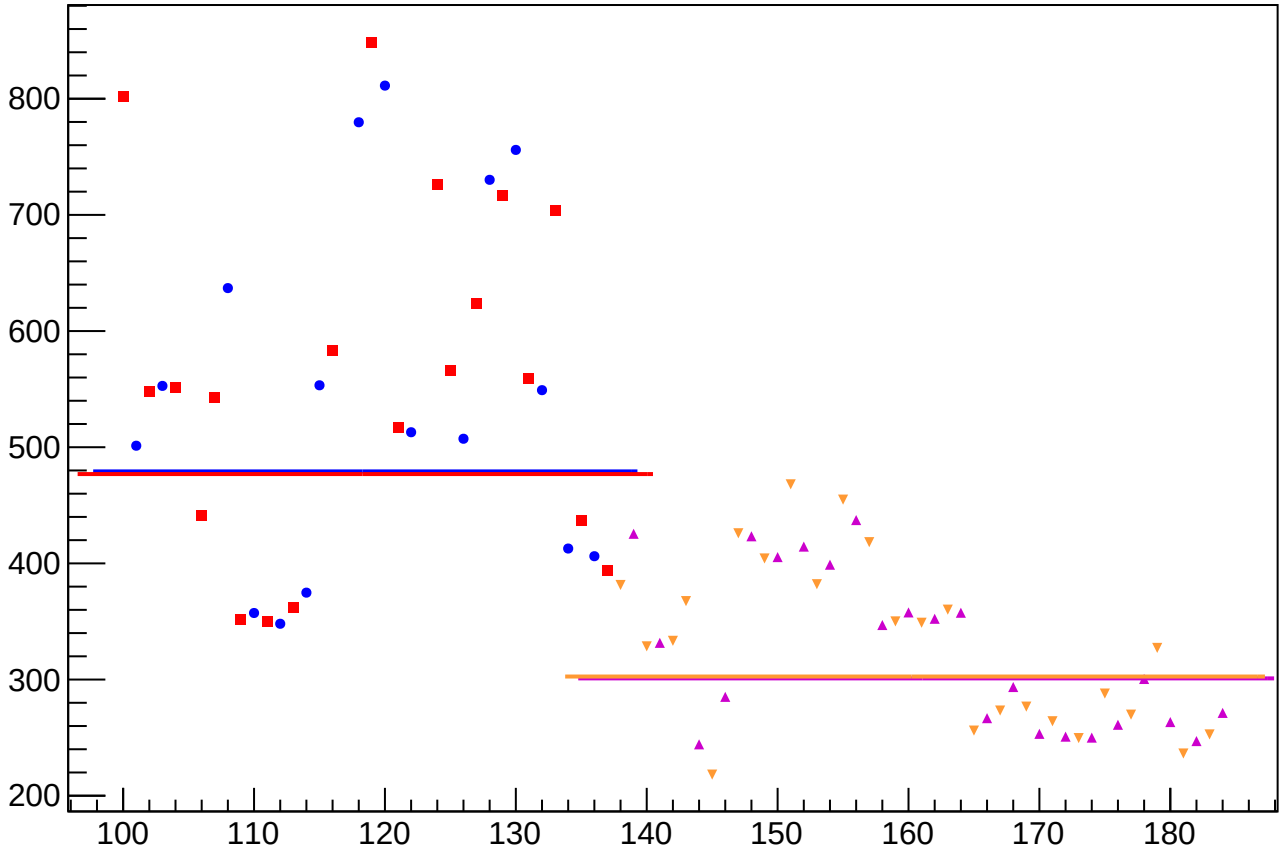
+ sign 40.761+/-0.006 χ^2/NDF: 932620.3/39

All: 40.829+/-0.004 χ^2/NDF: 1930766.3/81

- sign 40.899+/-0.006 χ^2/NDF: 997855.2/41


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 198.148+/-71.119 χ²/NDF:48.5/23
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 206.346+/-66.392 χ²/NDF: 73.6/39
All: 129.512+/-47.136 χ²/NDF: 127.1/81
- sign 51.426+/-66.931 χ²/NDF: 50.8/41

asym_sam_15_37_dd_cor_correction_rms vs Slug



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

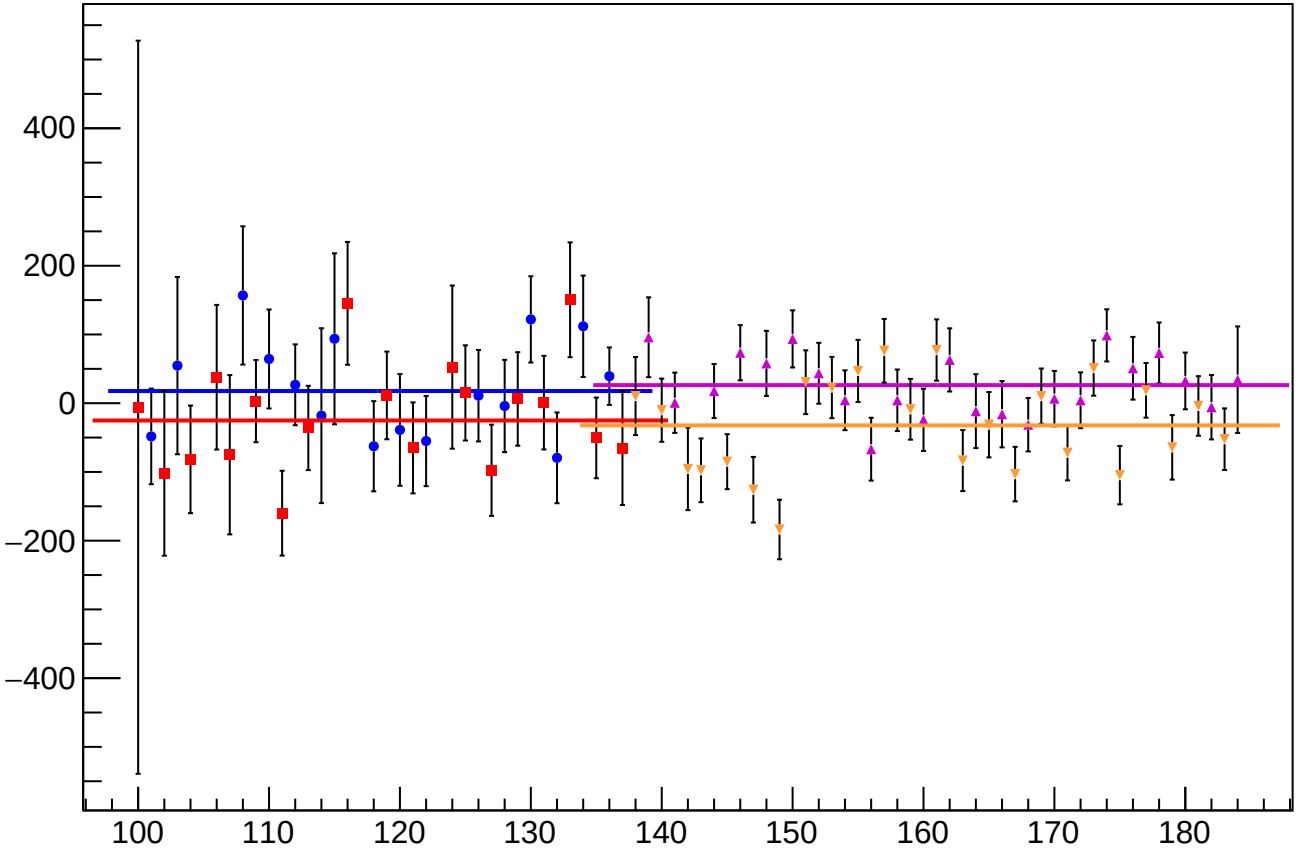
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 325.297+/-0.047 χ^2/NDF: 4249791.0/39

All: 325.057+/-0.033 χ^2/NDF: 8277676.7/81

- sign 324.813+/-0.047 χ^2/NDF: 4027833.1/41

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

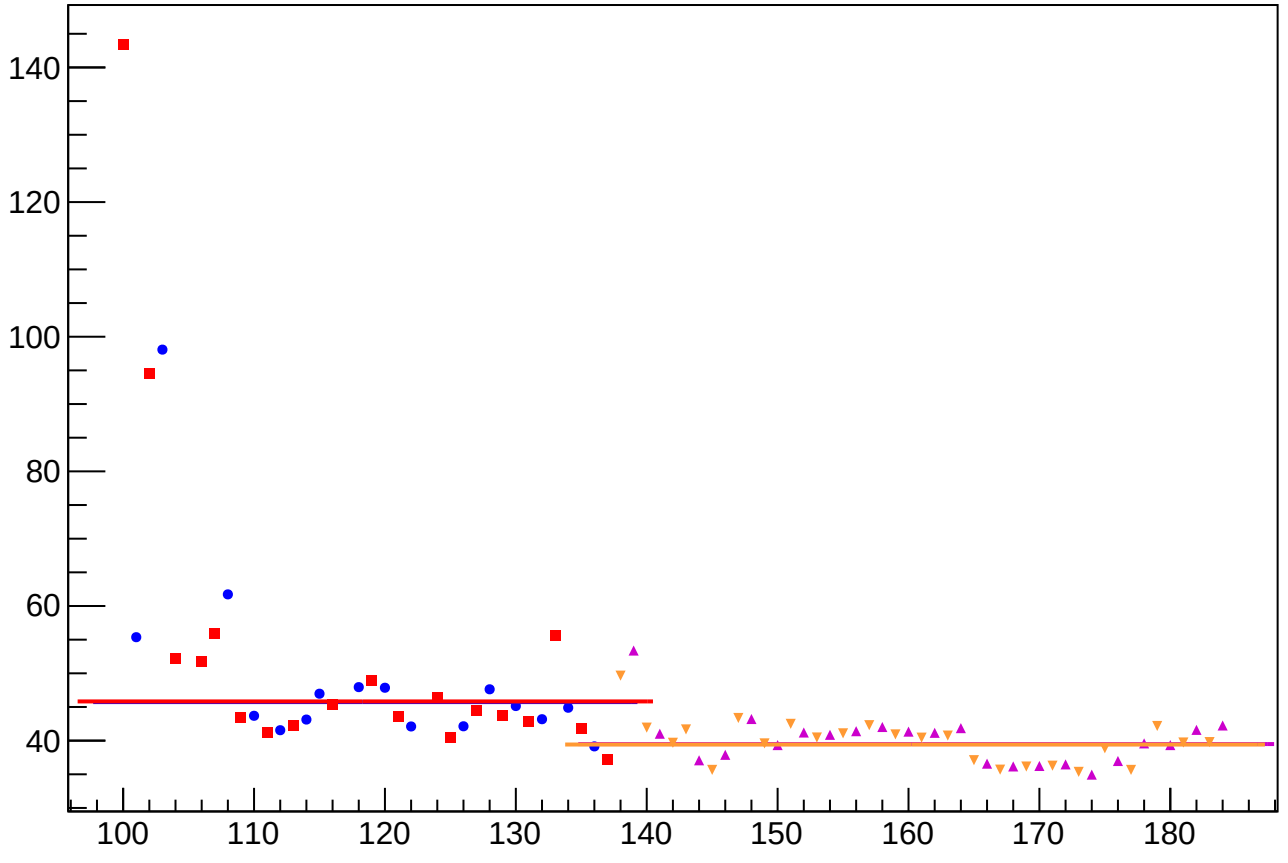
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.678+/-8.046 χ^2/NDF: 76.9/39

All: -3.714+/-5.735 χ^2/NDF: 134.4/81

- sign 14.836+/-8.176 χ^2/NDF: 47.3/41

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

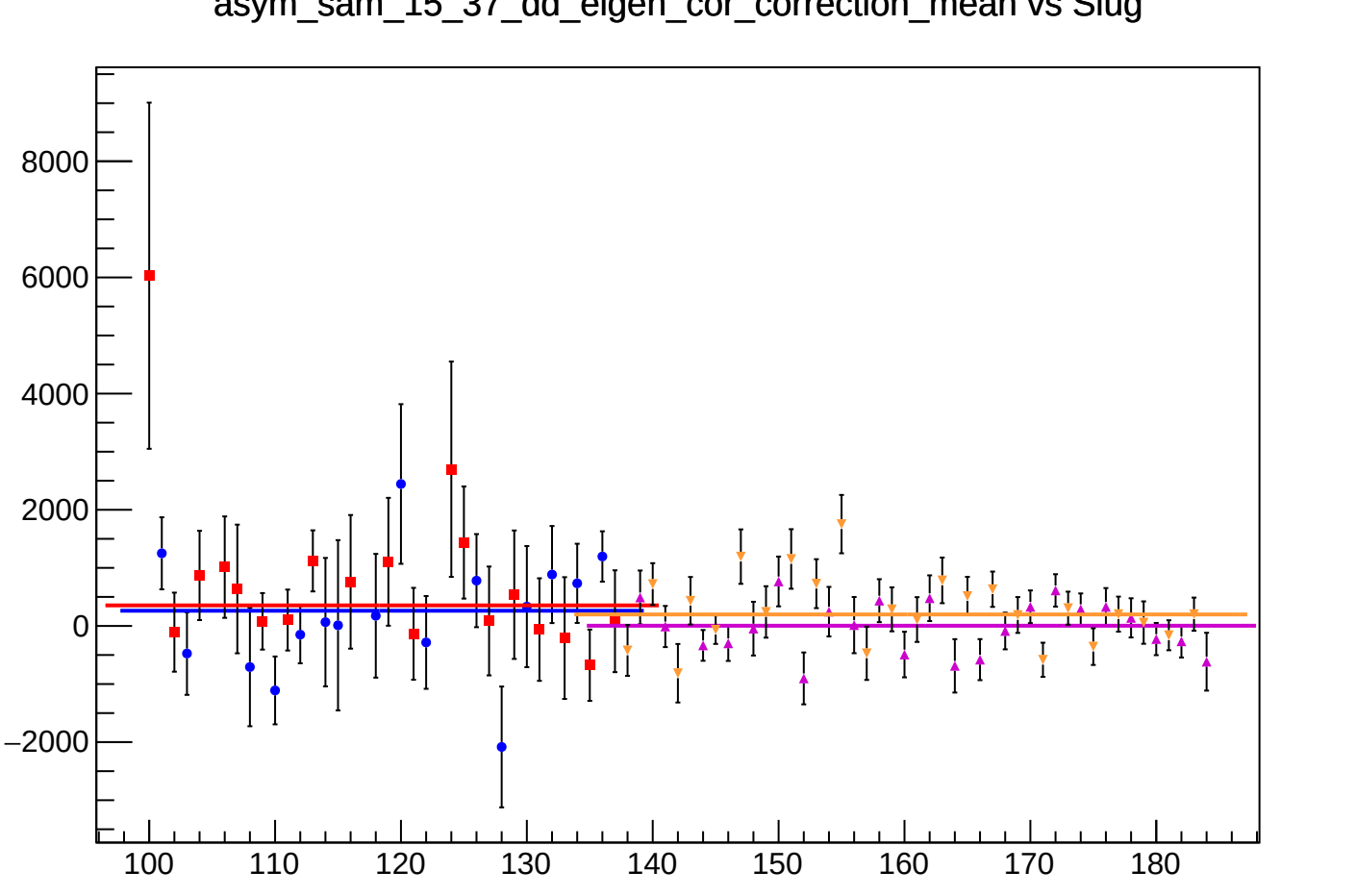
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.761+/-0.006 χ^2/NDF: 932620.3/39

All: 40.829+/-0.004 χ^2/NDF: 1930766.3/81

- sign 40.899+/-0.006 χ^2/NDF: 997855.2/41



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 198.148+/-71.119 χ^2/NDF:48.5/23

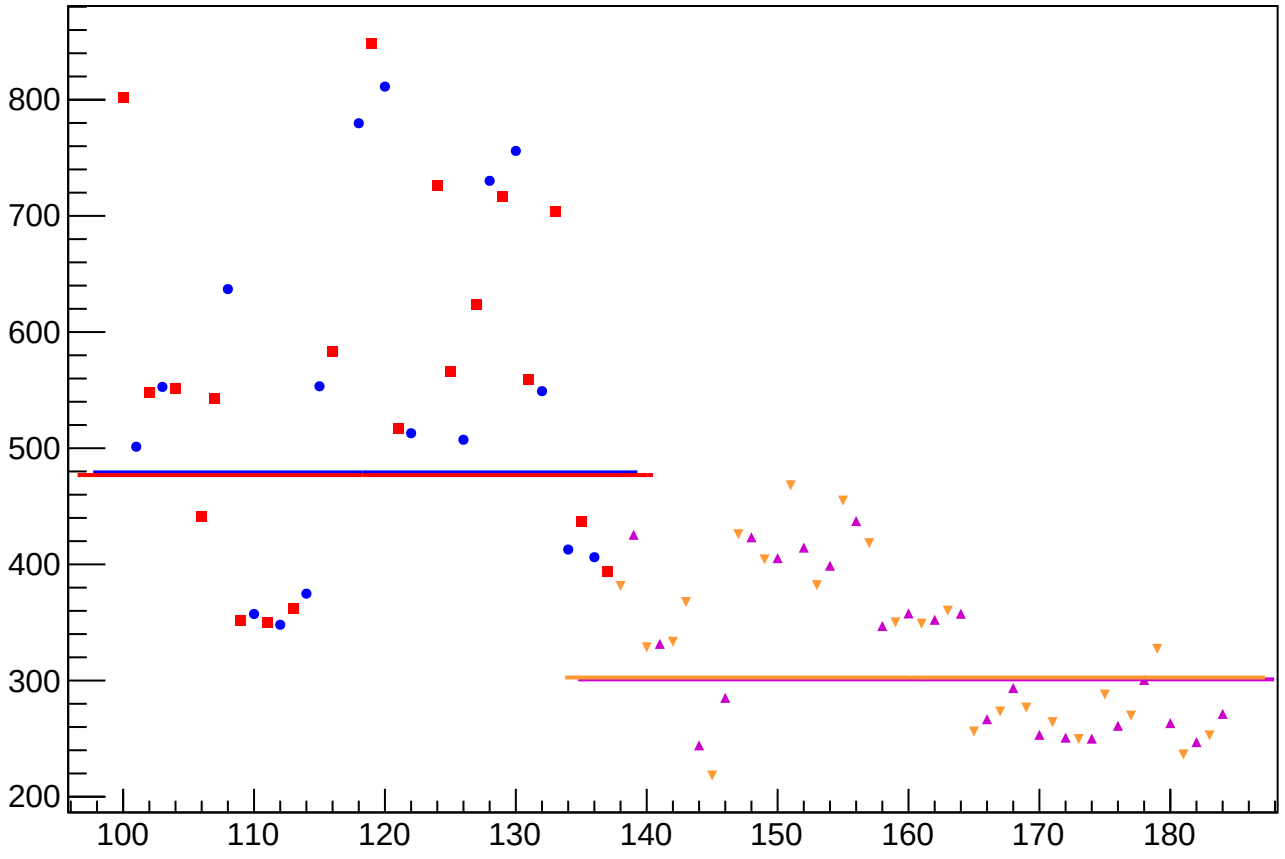
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 206.346+/-66.392 χ^2/NDF: 73.6/39

All: 129.512+/-47.136 χ^2/NDF: 127.1/81

- sign 51.426+/-66.931 χ^2/NDF: 50.8/41



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

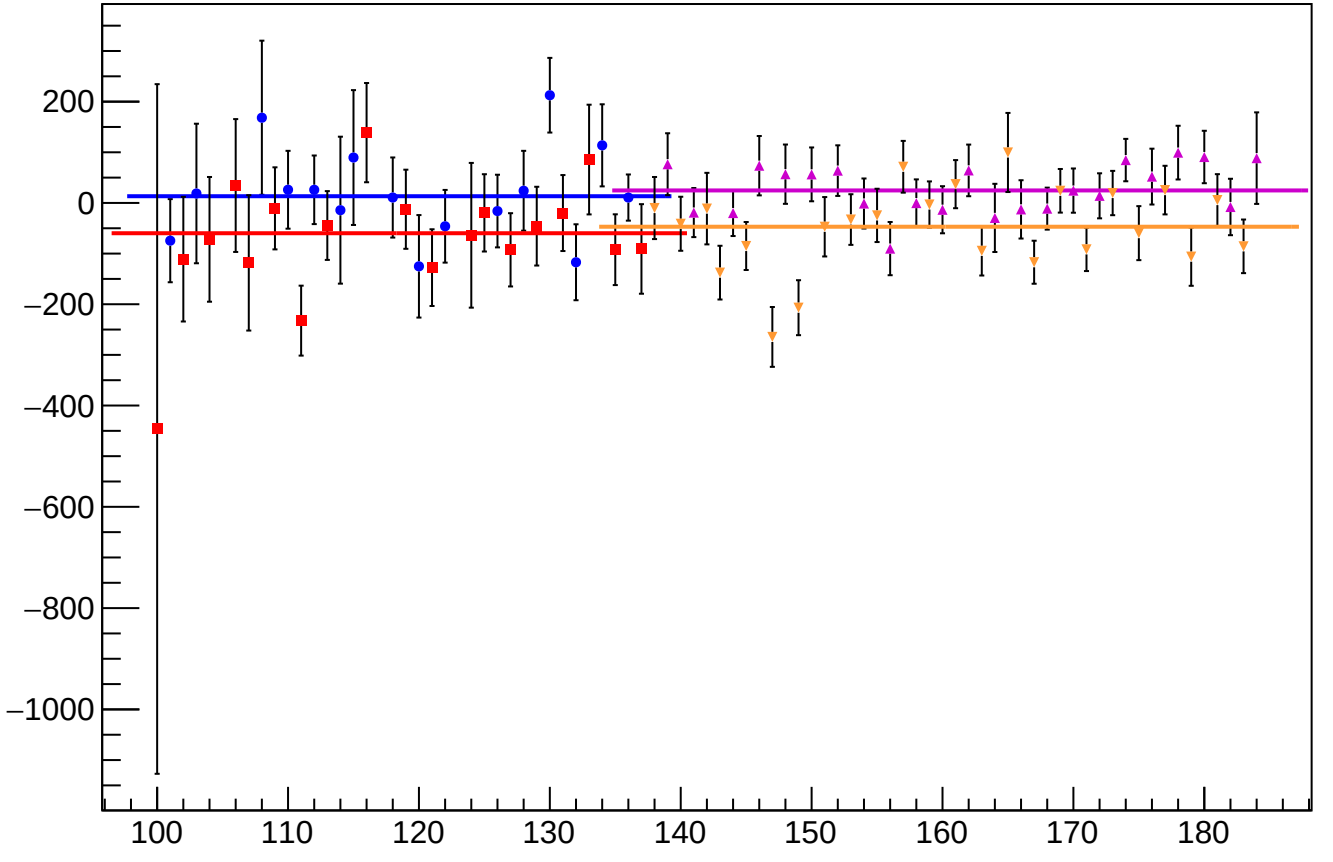
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

\+ sign 325.297+/-0.047 χ^2/NDF: 4249791.0/39

All: 325.057+/-0.033 χ^2/NDF: 8277676.7/81

\- sign 324.813+/-0.047 χ^2/NDF: 4027833.1/41

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

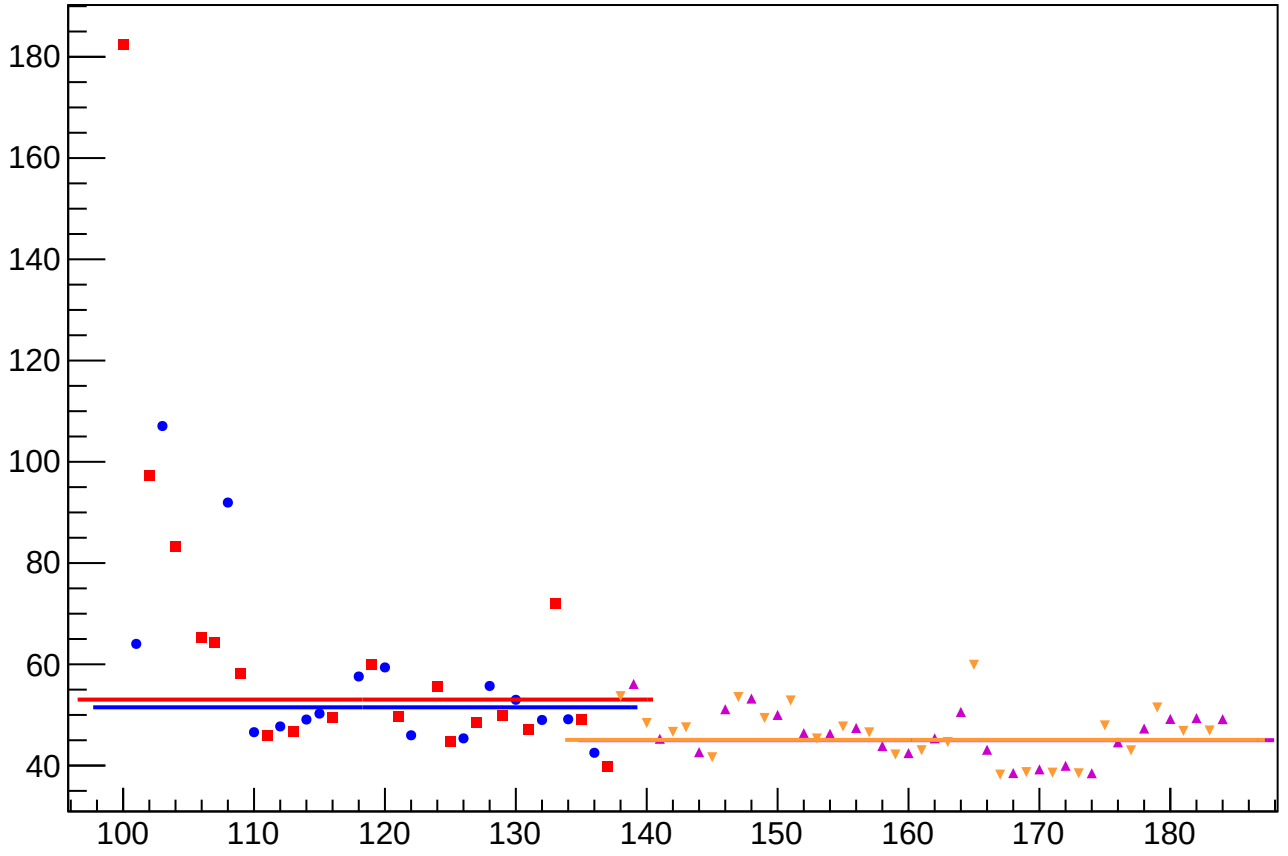
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

\+ sign -33.924+/-9.239 χ^2/NDF: 78.9/39

All: -14.212+/-6.600 χ^2/NDF: 137.6/81

\- sign 6.330+/-9.431 χ^2/NDF: 49.4/41

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

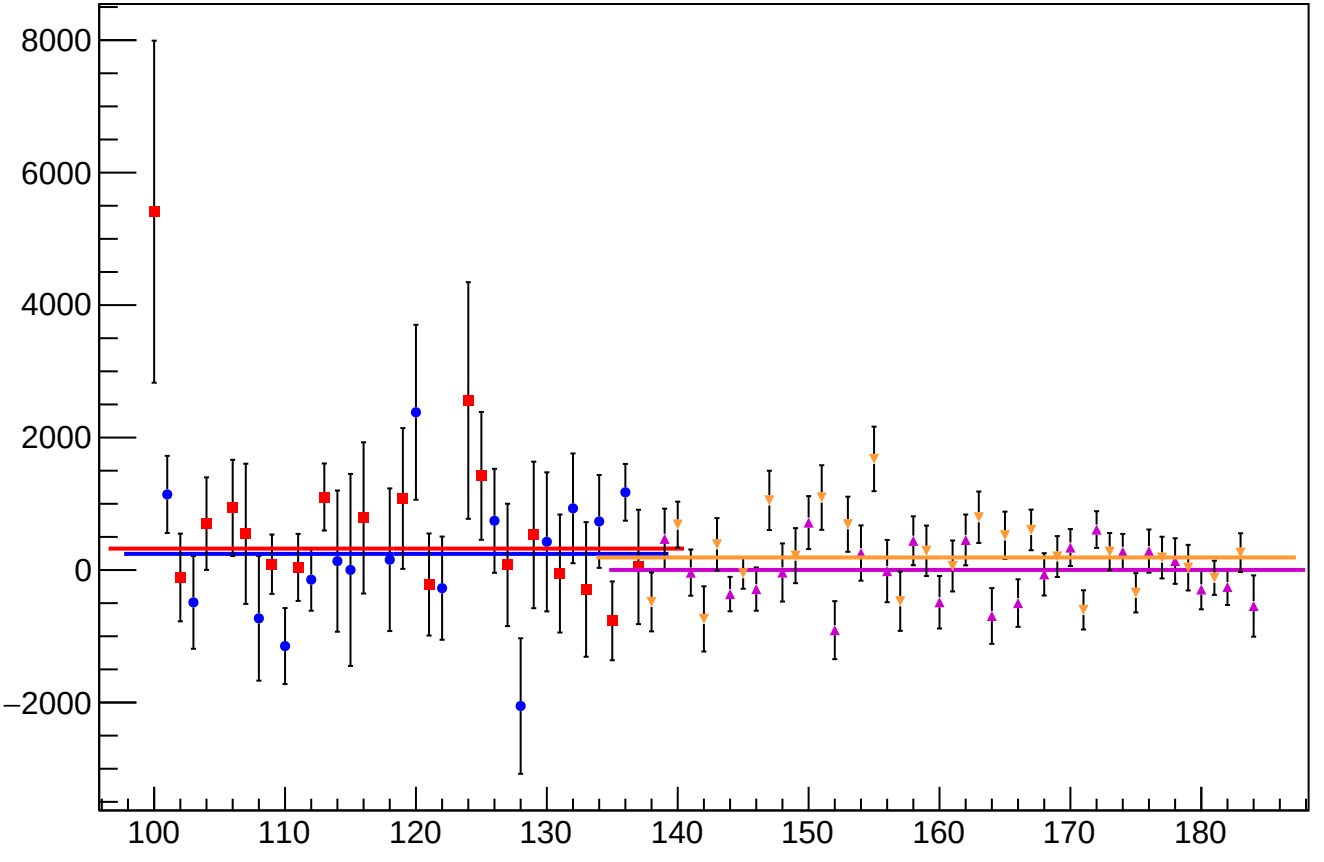
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 46.469+/-0.007 χ^2/NDF: 1300860.8/39

All: 46.611+/-0.005 χ^2/NDF: 2633377.0/81

- sign 46.760+/-0.007 χ^2/NDF: 1331544.5/41

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

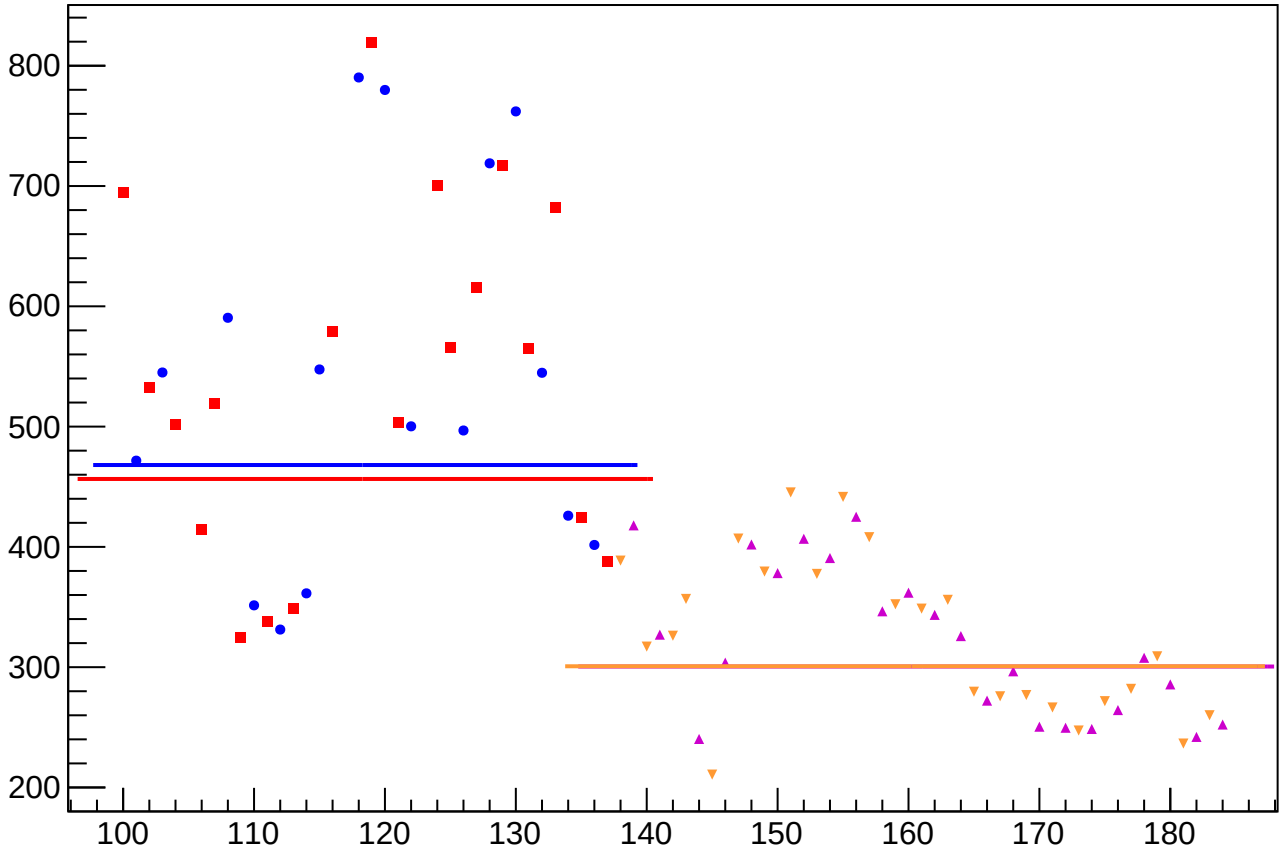
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 196.930+/-65.616 χ^2/NDF: 72.4/39

All: 123.501+/-46.631 χ^2/NDF: 126.6/81

- sign 48.574+/-66.282 χ^2/NDF: 51.6/41

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

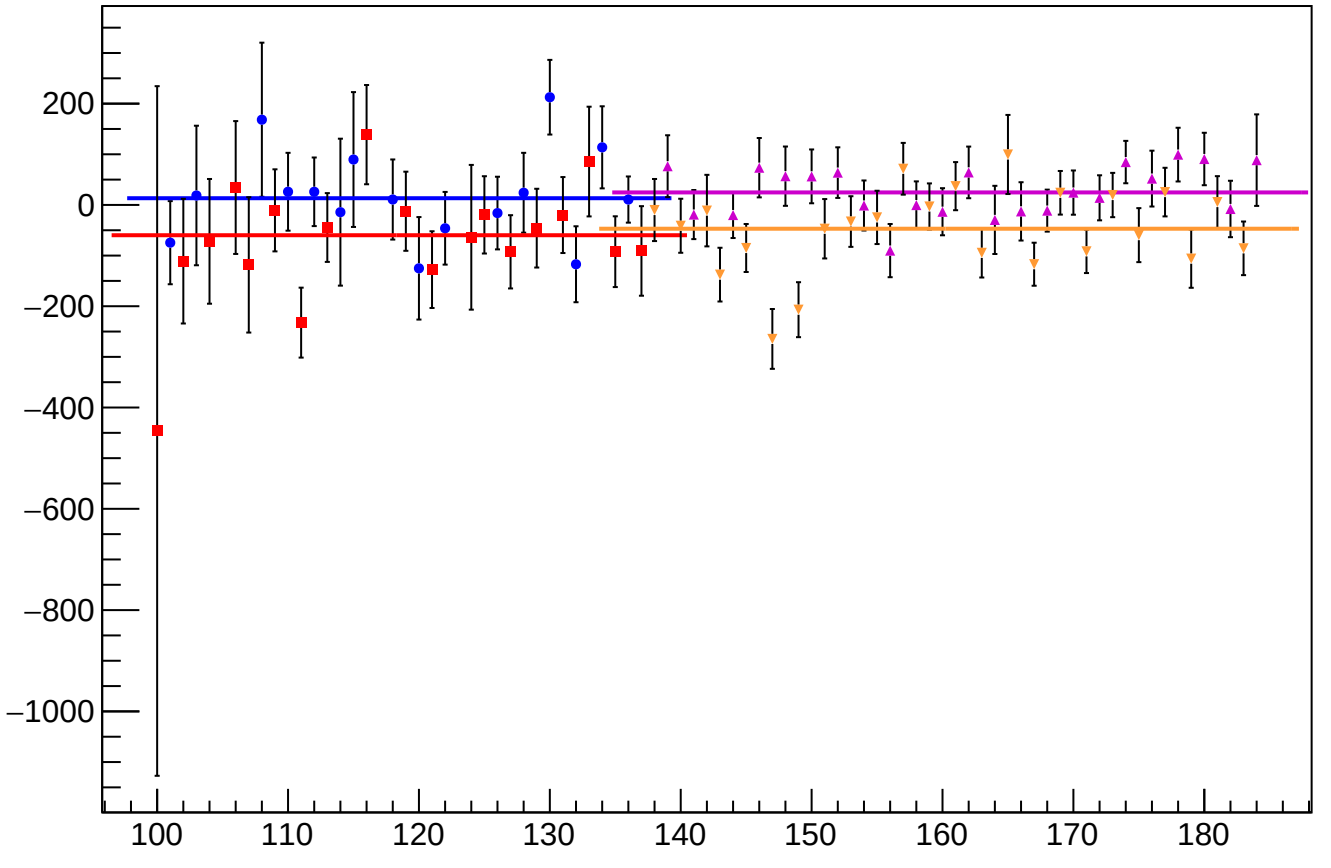
Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 322.772+/-0.046 χ^2/NDF: 4027896.0/39

All: 323.016+/-0.033 χ^2/NDF: 7747622.4/81

- sign 323.266+/-0.047 χ^2/NDF: 3719670.4/41



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

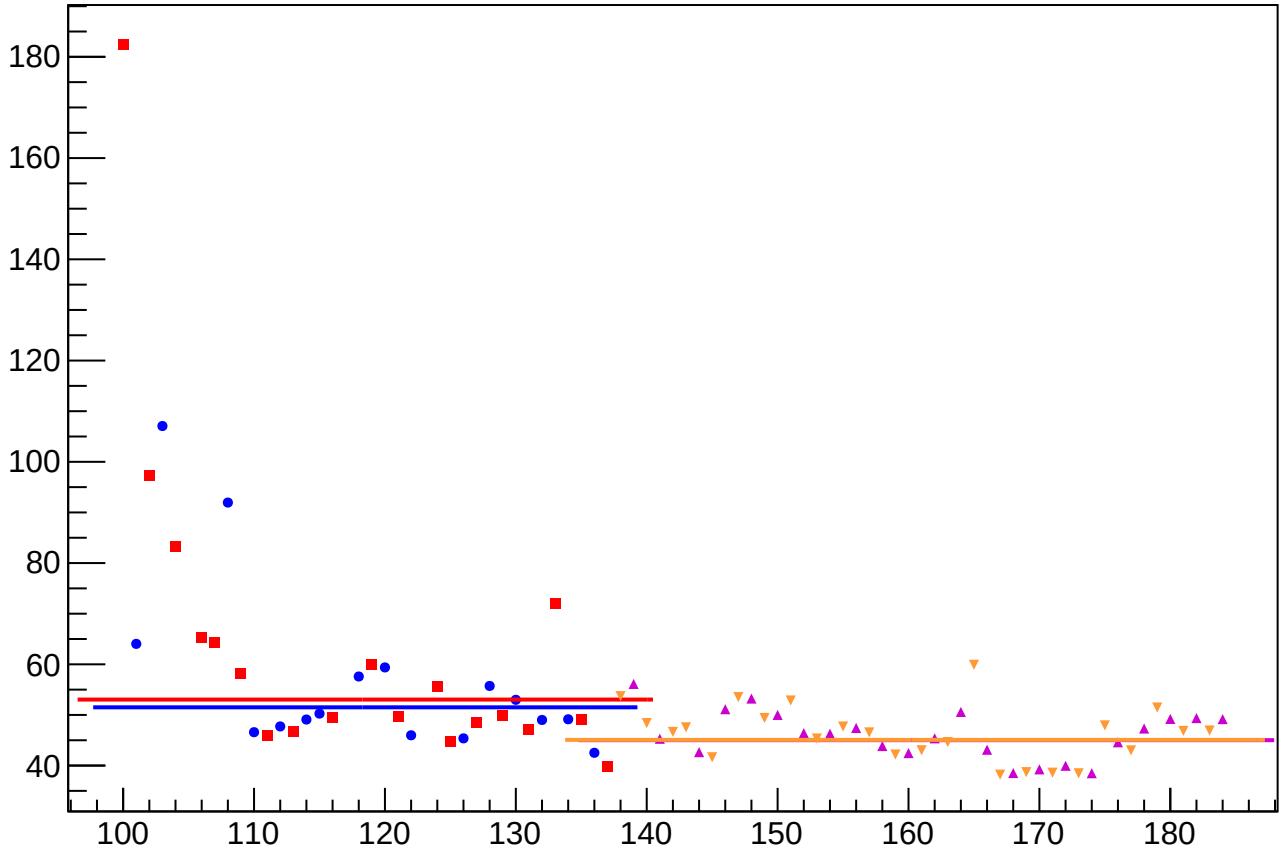
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

\+ sign -33.924+/-9.239 χ^2/NDF: 78.9/39

All: -14.212+/-6.600 χ^2/NDF: 137.6/81

\- sign 6.330+/-9.431 χ^2/NDF: 49.4/41

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

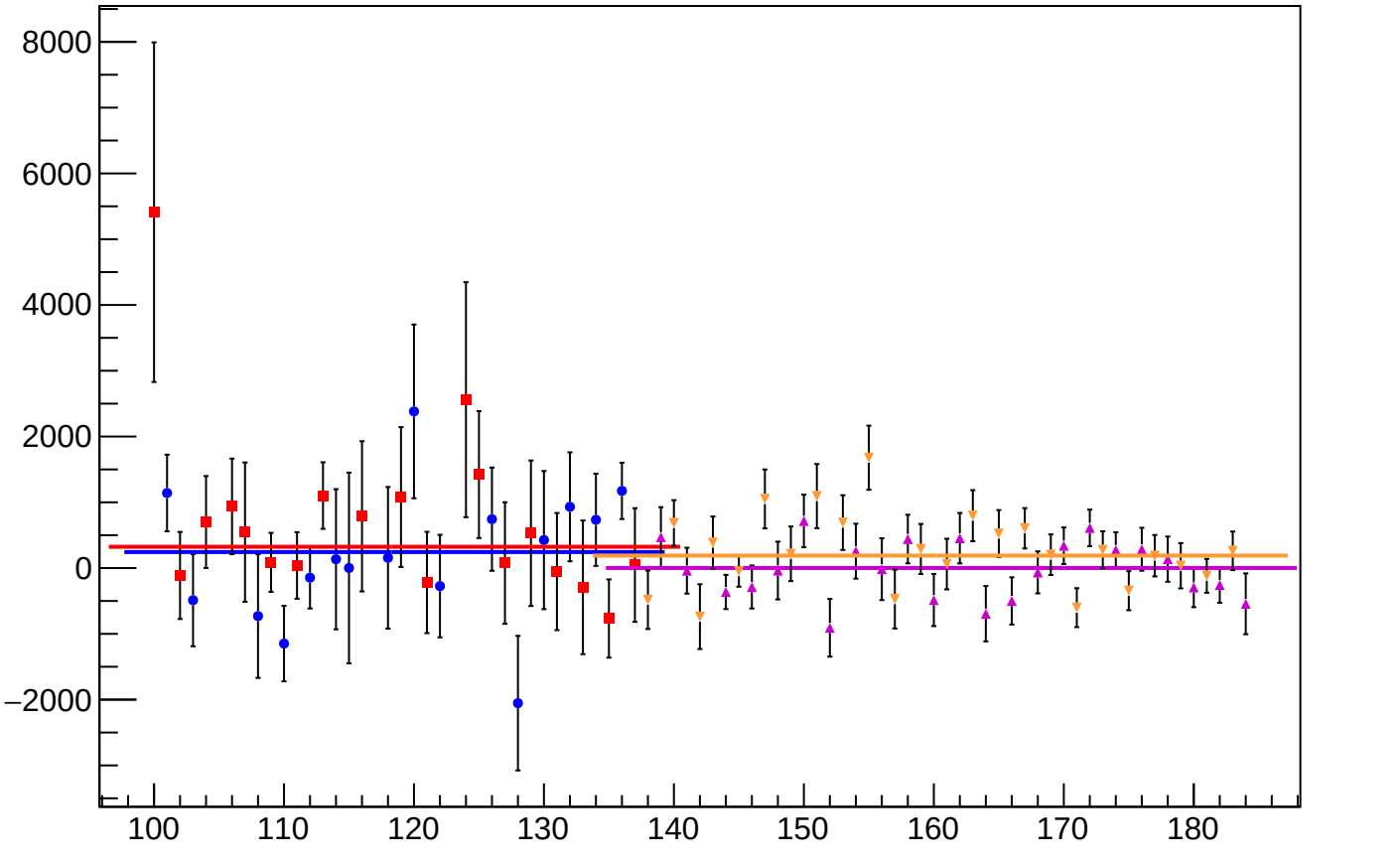
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 46.469+/-0.007 χ^2/NDF: 1300867.1/39

All: 46.611+/-0.005 χ^2/NDF: 2633394.6/81

- sign 46.760+/-0.007 χ^2/NDF: 1331555.5/41



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 189.823+/-70.413 χ^2/NDF:46.7/23

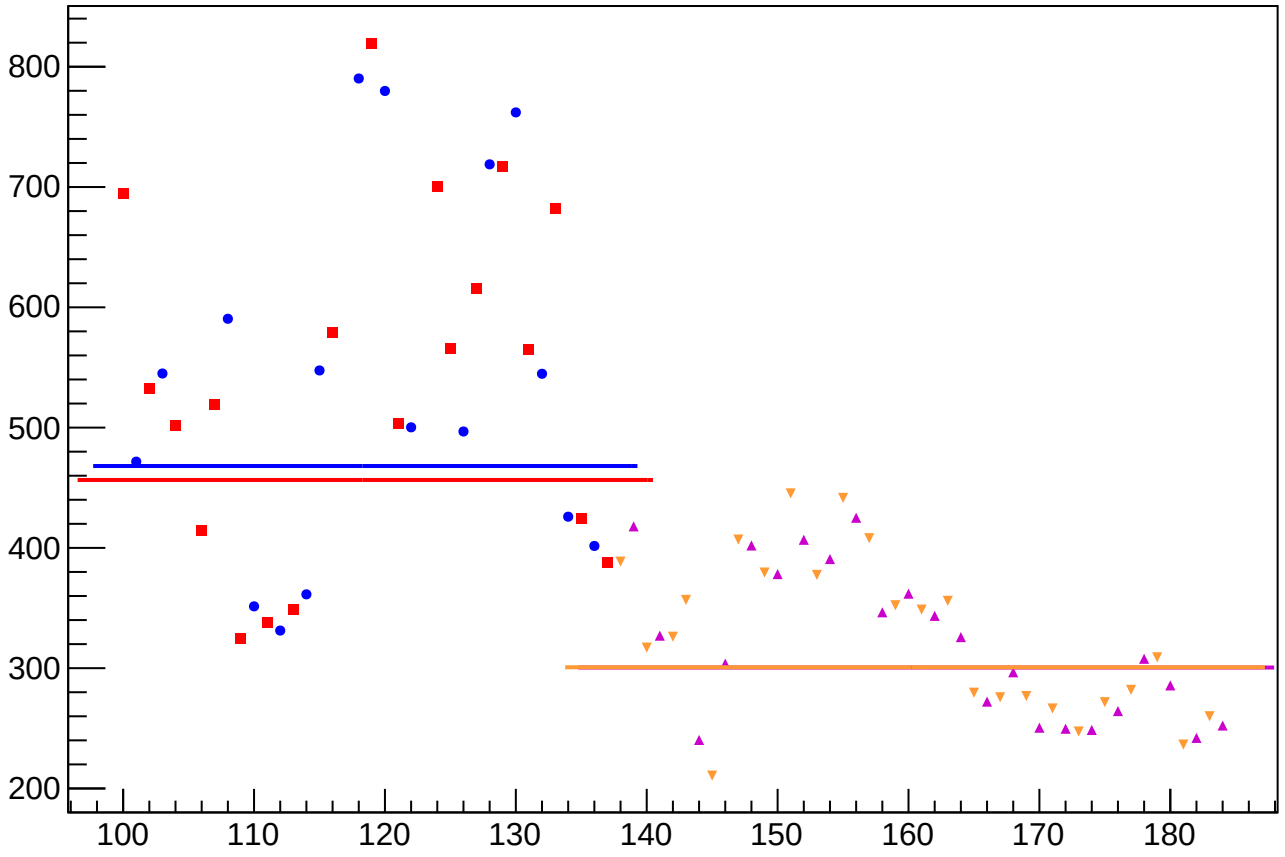
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 196.931+/-65.616 χ^2/NDF: 72.4/39

All: 123.501+/-46.631 χ^2/NDF: 126.6/81

- sign 48.573+/-66.282 χ^2/NDF: 51.6/41



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 300.753+/-0.050 χ^2/NDF:1558824.5/23

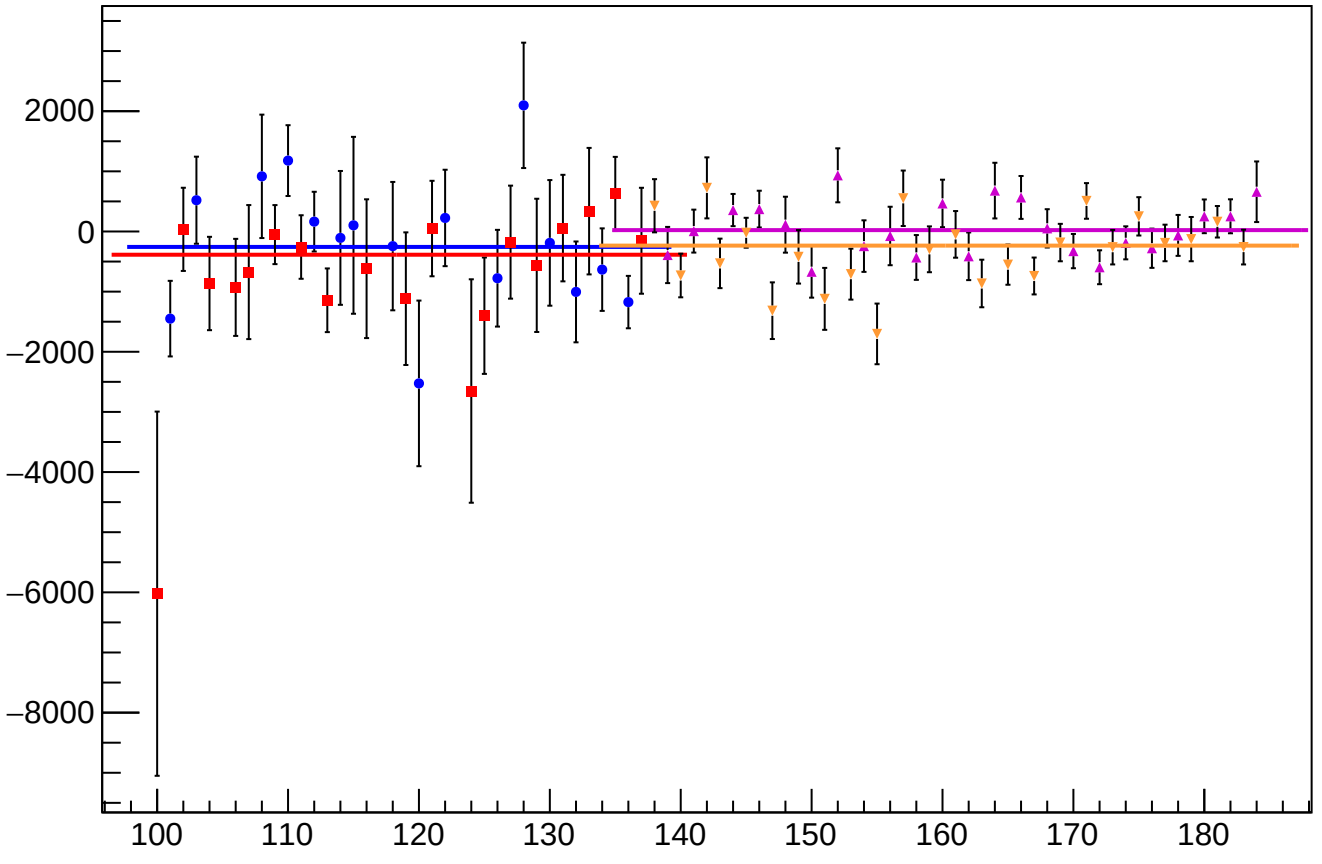
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

\+ sign 322.772+/-0.046 χ^2/NDF: 4027883.7/39

All: 323.017+/-0.033 χ^2/NDF: 7747584.9/81

\- sign 323.266+/-0.047 χ^2/NDF: 3719645.1/41



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

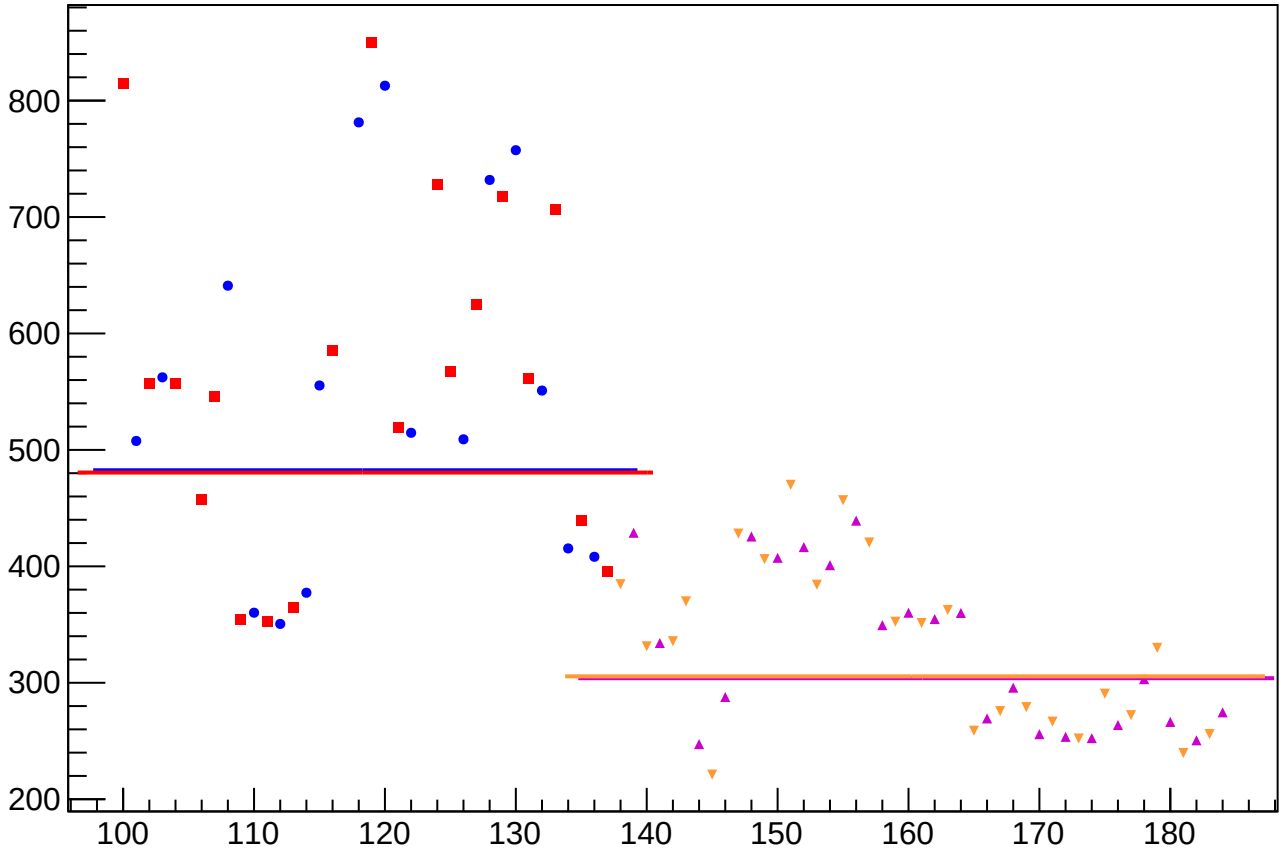
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.758+/-66.975 χ^2/NDF: 74.4/39

All: -136.336+/-47.538 χ^2/NDF: 127.4/81

- sign -33.363+/-67.485 χ^2/NDF: 48.4/41

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

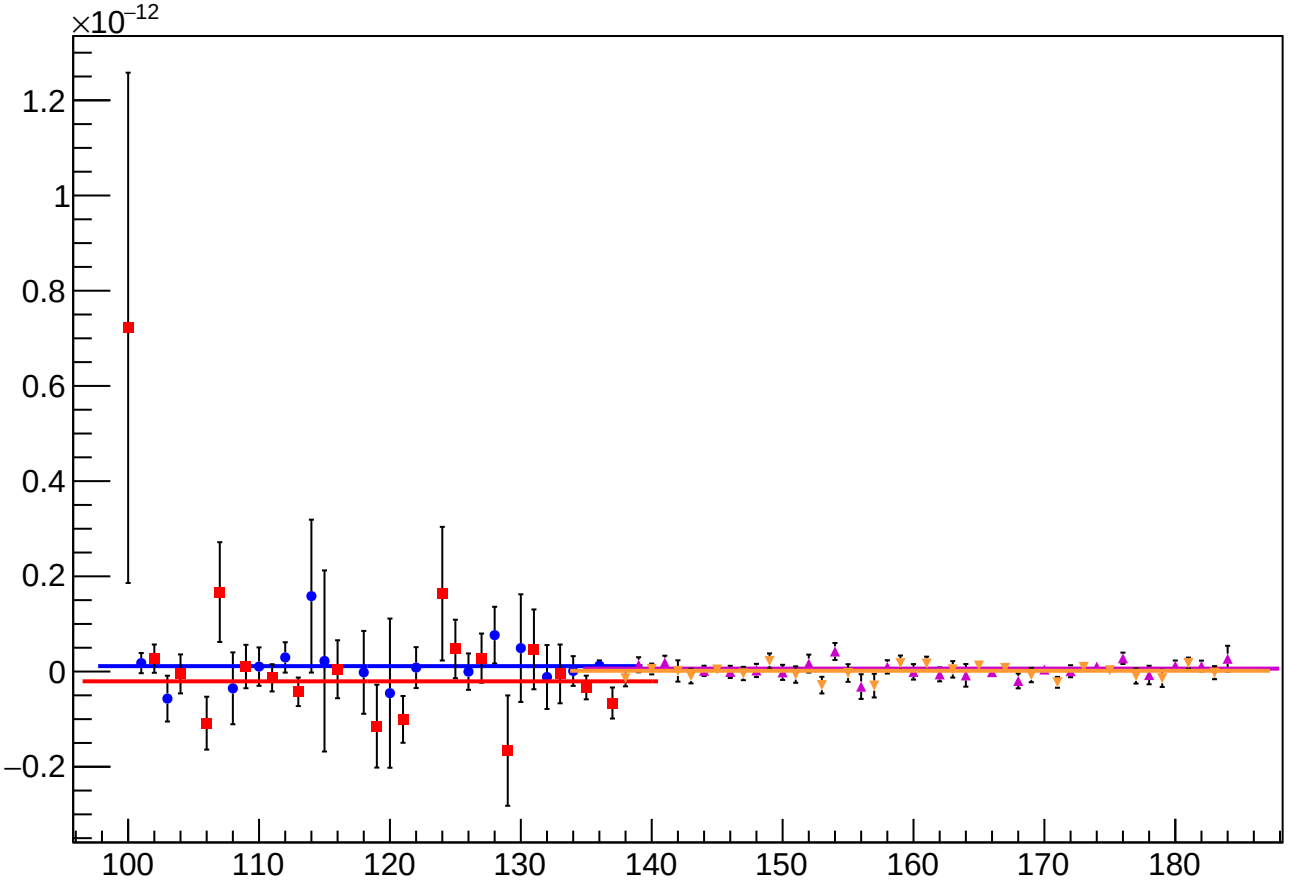
Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

\+ sign 328.369+/-0.047 χ^2/NDF: 4189597.1/39

All: 328.242+/-0.034 χ^2/NDF: 8179090.5/81

\- sign 328.112+/-0.048 χ^2/NDF: 3989478.8/41

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



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

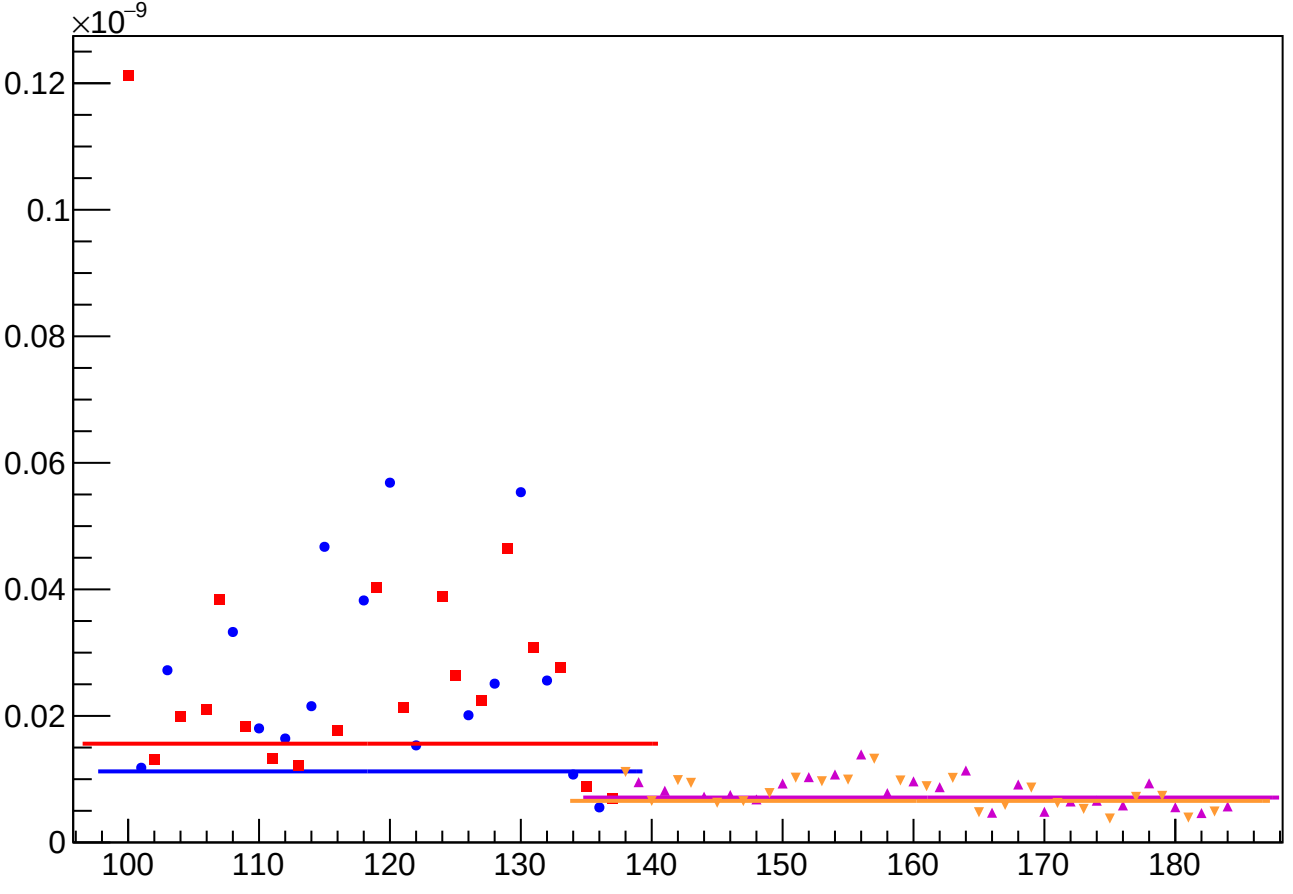
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/39

All: 0.000+/-0.000 χ^2/NDF: 75.8/81

- sign 0.000+/-0.000 χ^2/NDF: 48.2/41

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



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

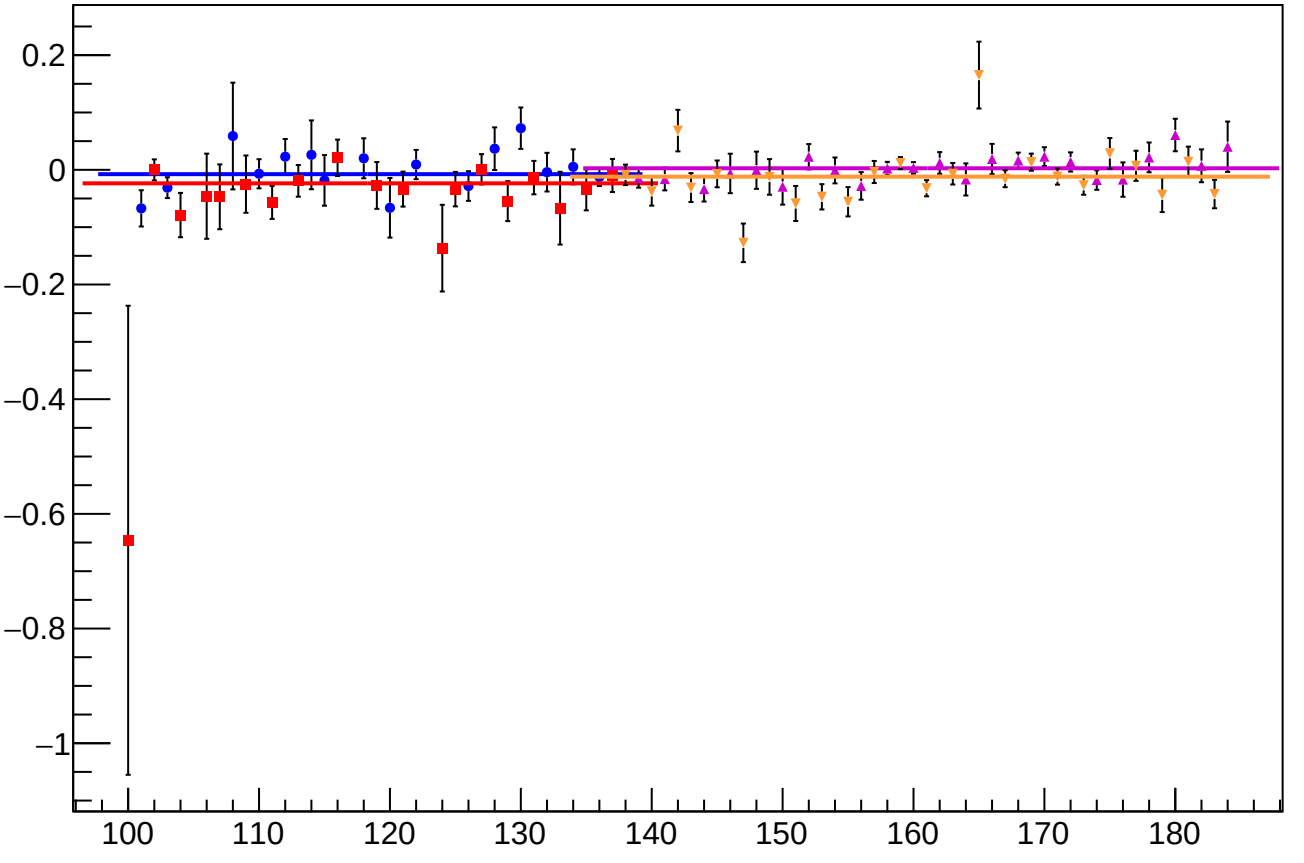
Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4193525.1/39

All: 0.000+/-0.000 χ^2/NDF: 7704474.9/81

- sign 0.000+/-0.000 χ^2/NDF: 3444874.4/41

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



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

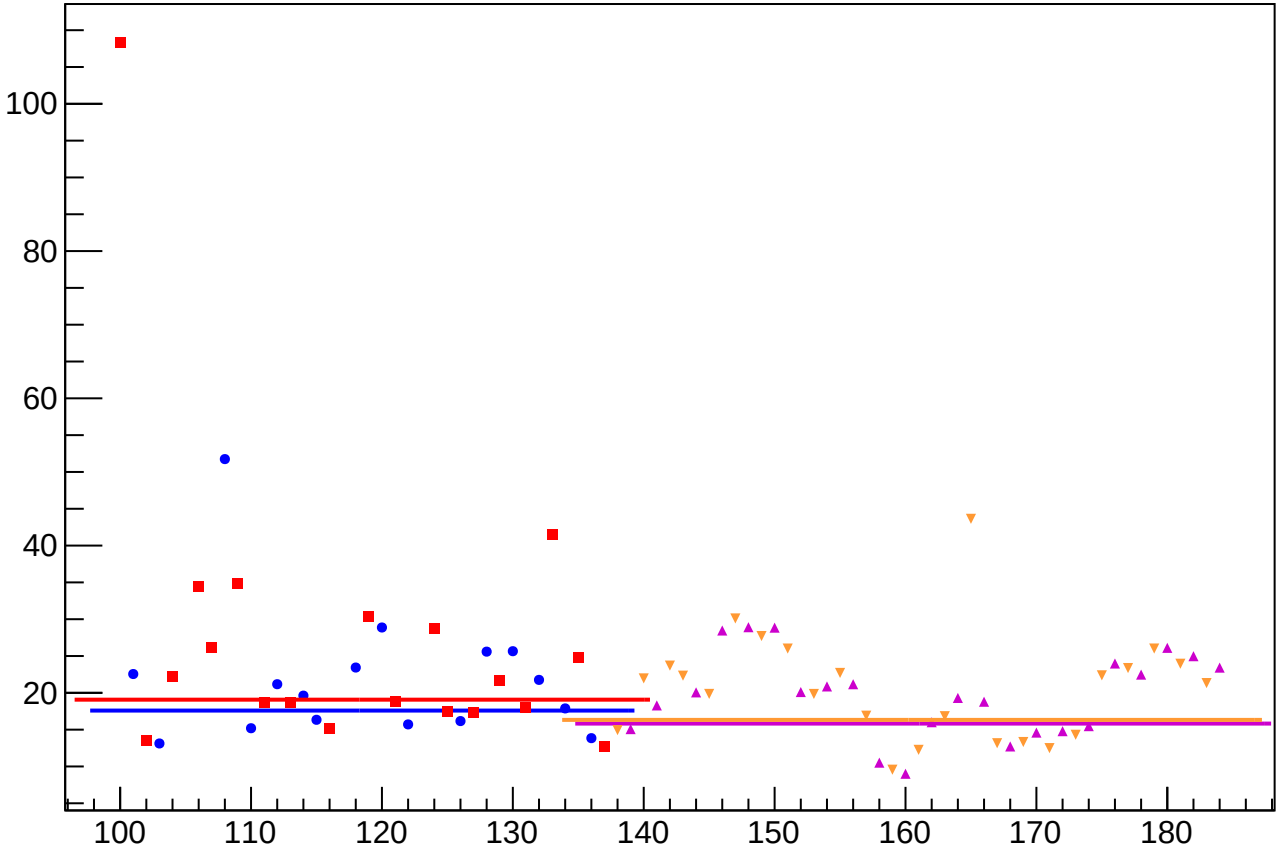
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.0/39

All: -0.007+/-0.003 χ^2/NDF: 115.9/81

- sign -0.003+/-0.004 χ^2/NDF: 43.4/41

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

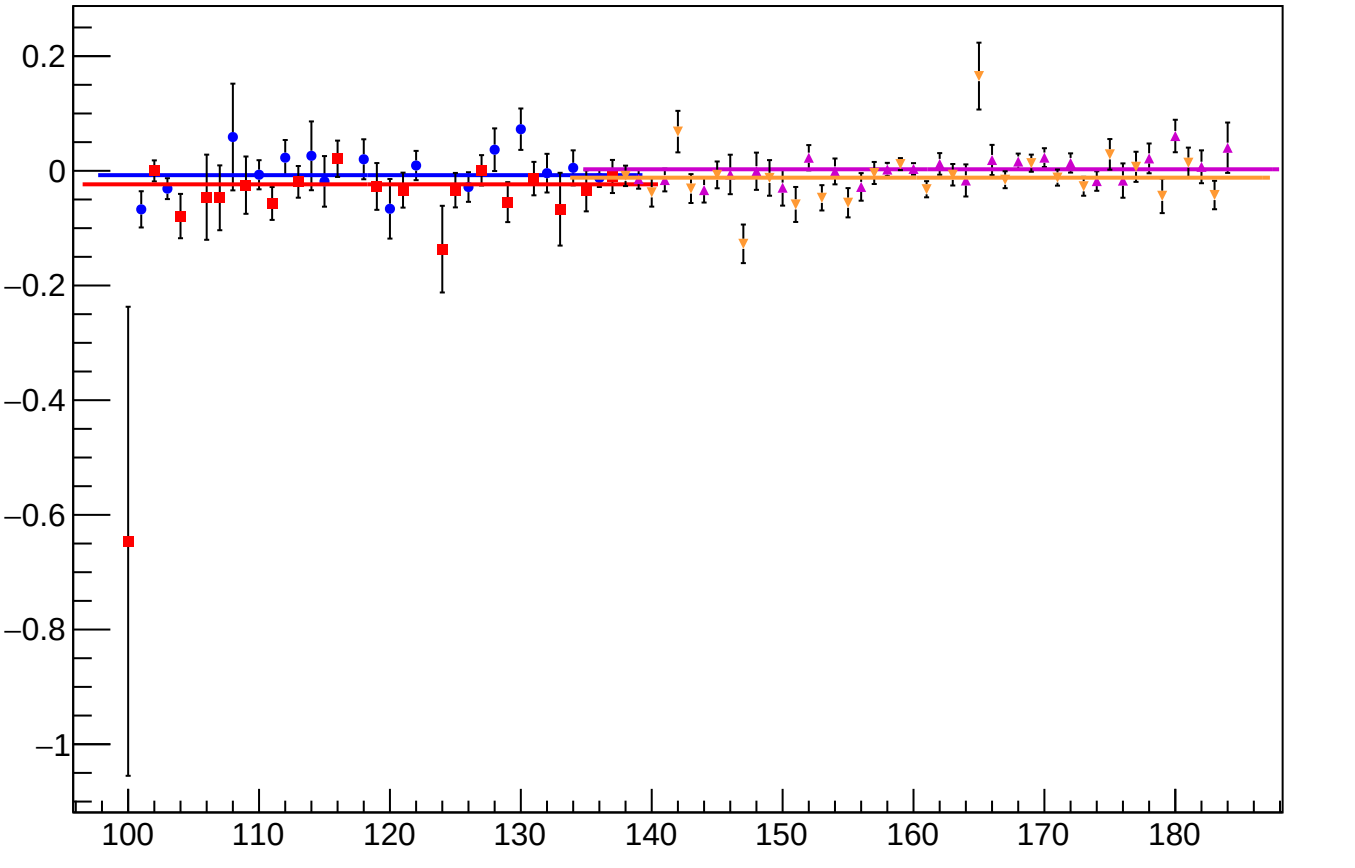
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.632+/-0.003 χ^2/NDF: 4874174.7/39

All: 16.576+/-0.002 χ^2/NDF: 10054305.4/81

\- sign 16.519+/-0.003 χ^2/NDF: 5179117.2/41



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

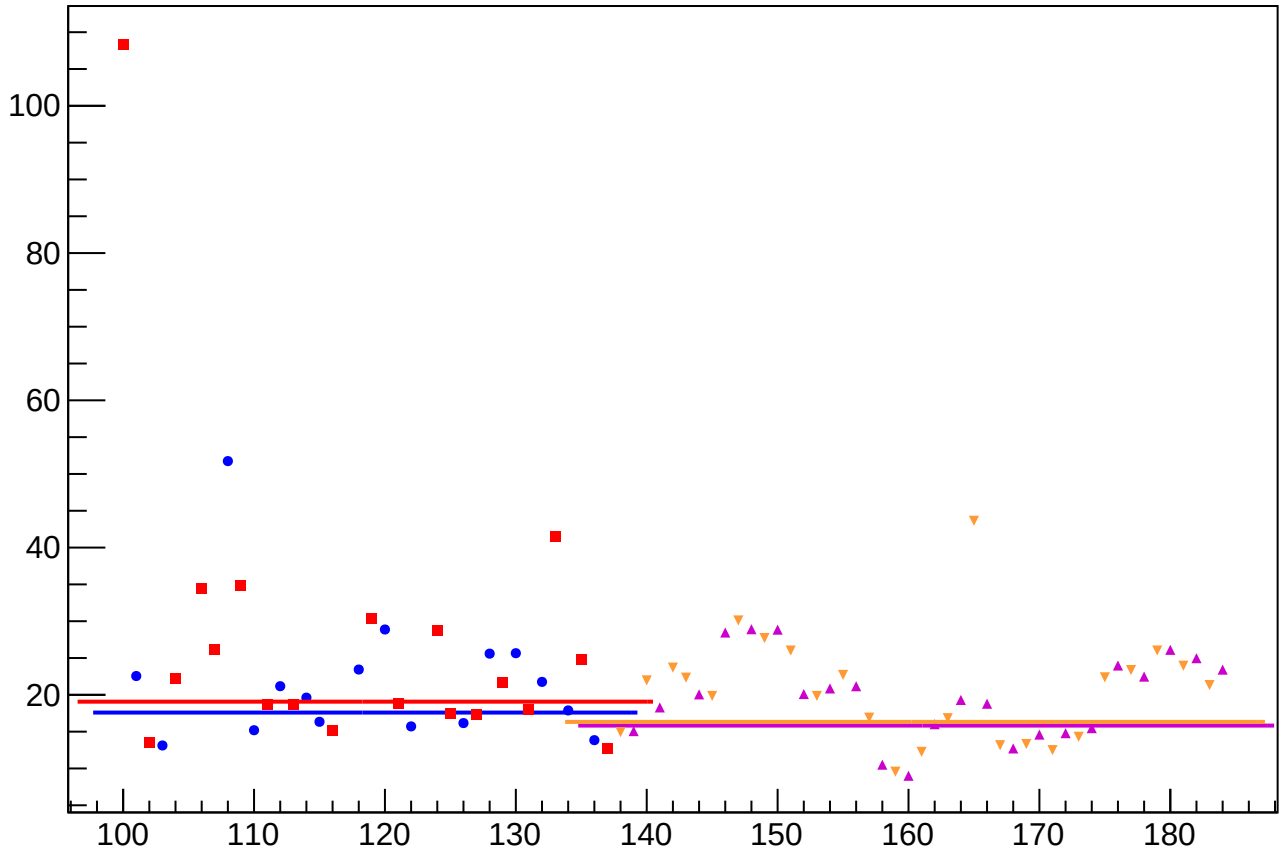
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.0/39

All: -0.007+/-0.003 χ^2/NDF: 115.9/81

- sign -0.003+/-0.004 χ^2/NDF: 43.4/41



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.325+/-0.003 χ^2/NDF:3834087.8/23

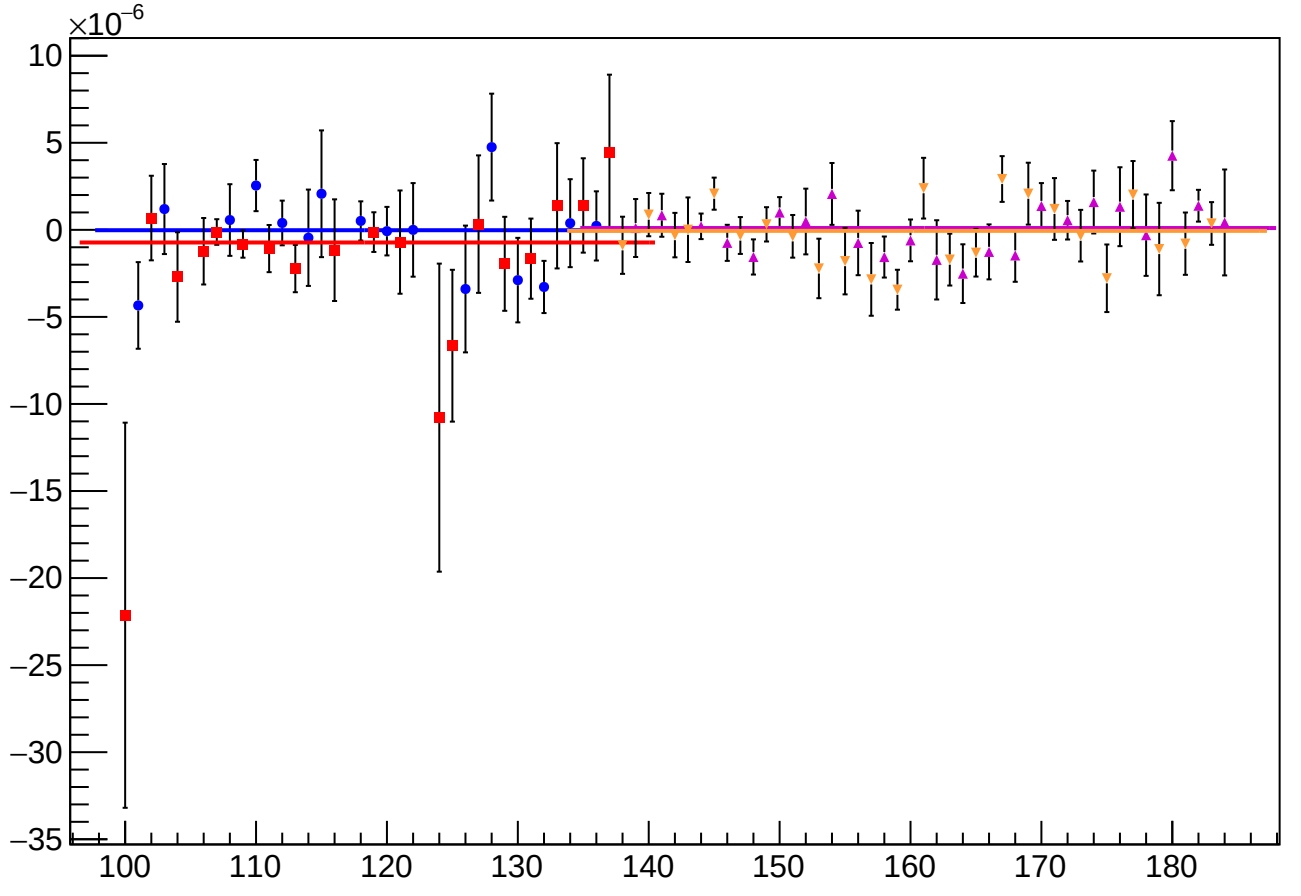
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.632+/-0.003 χ^2/NDF: 4874174.7/39

All: 16.576+/-0.002 χ^2/NDF: 10054305.4/81

- sign 16.519+/-0.003 χ^2/NDF: 5179117.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.2/23

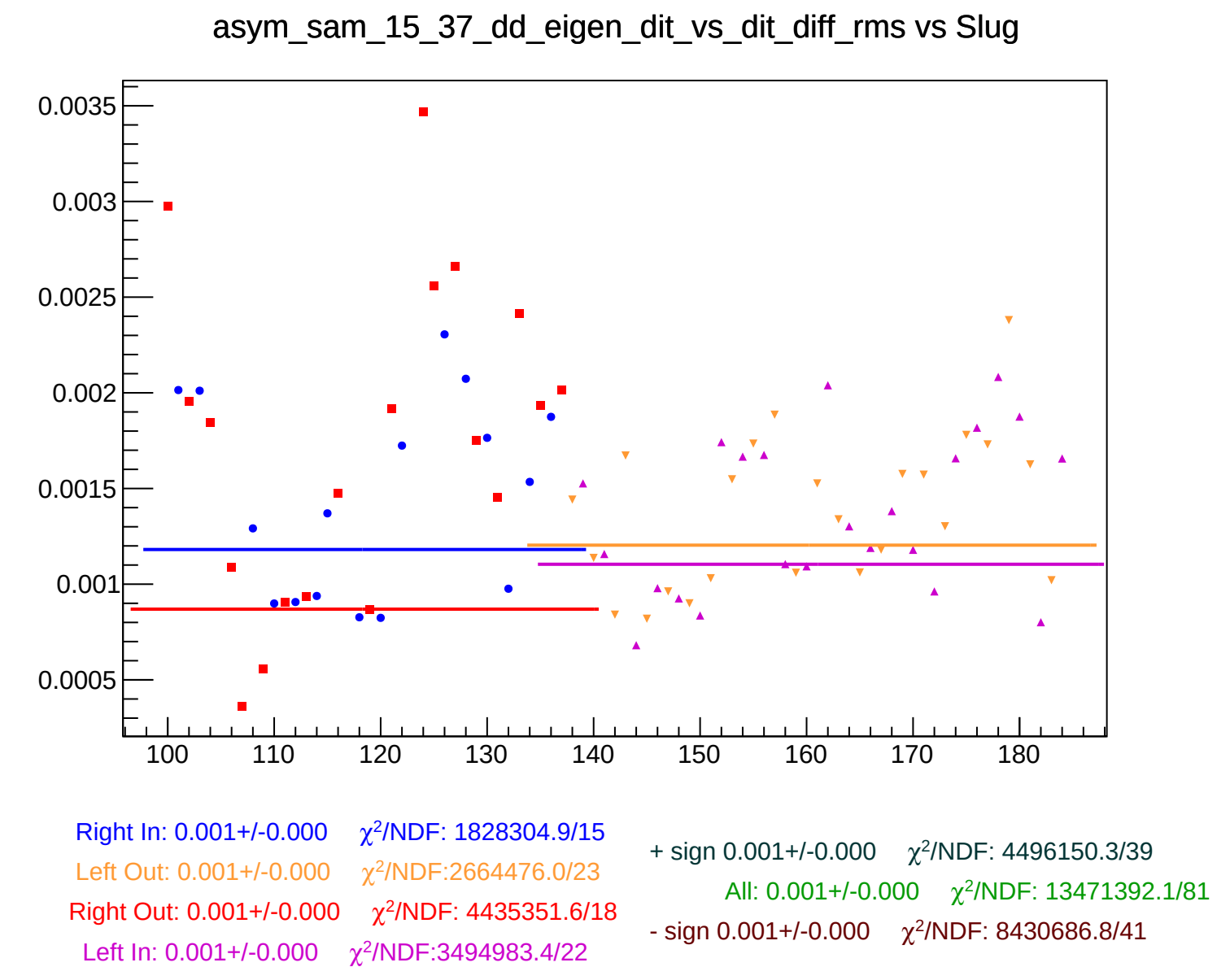
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/39

All: -0.000+/-0.000 χ^2/NDF: 88.8/81

- sign -0.000+/-0.000 χ^2/NDF: 38.0/41


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
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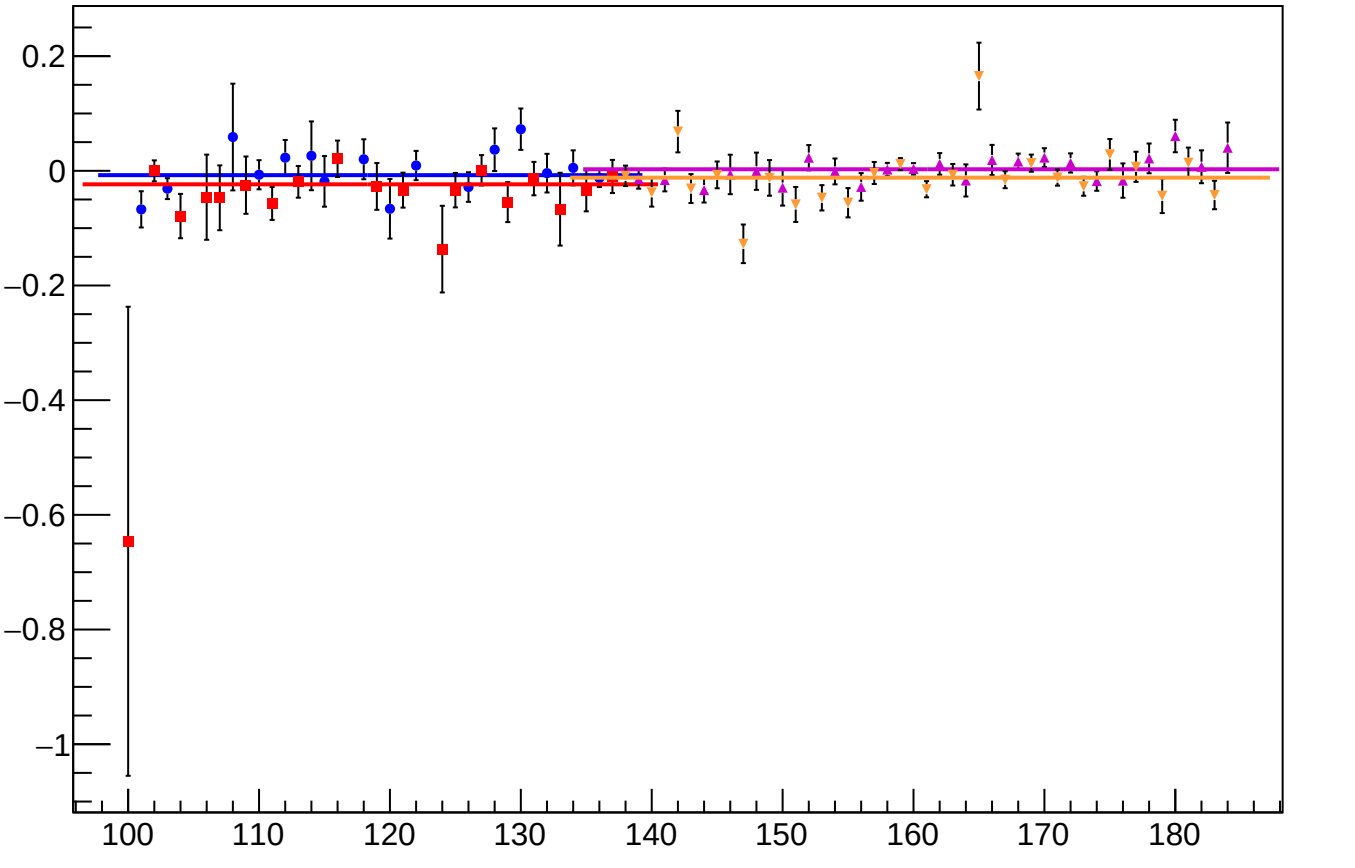
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2664476.0/23
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:3494983.4/22
+ sign 0.001+/-0.000 χ²/NDF: 4496150.3/39
All: 0.001+/-0.000 χ²/NDF: 13471392.1/81
- sign 0.001+/-0.000 χ²/NDF: 8430686.8/41



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

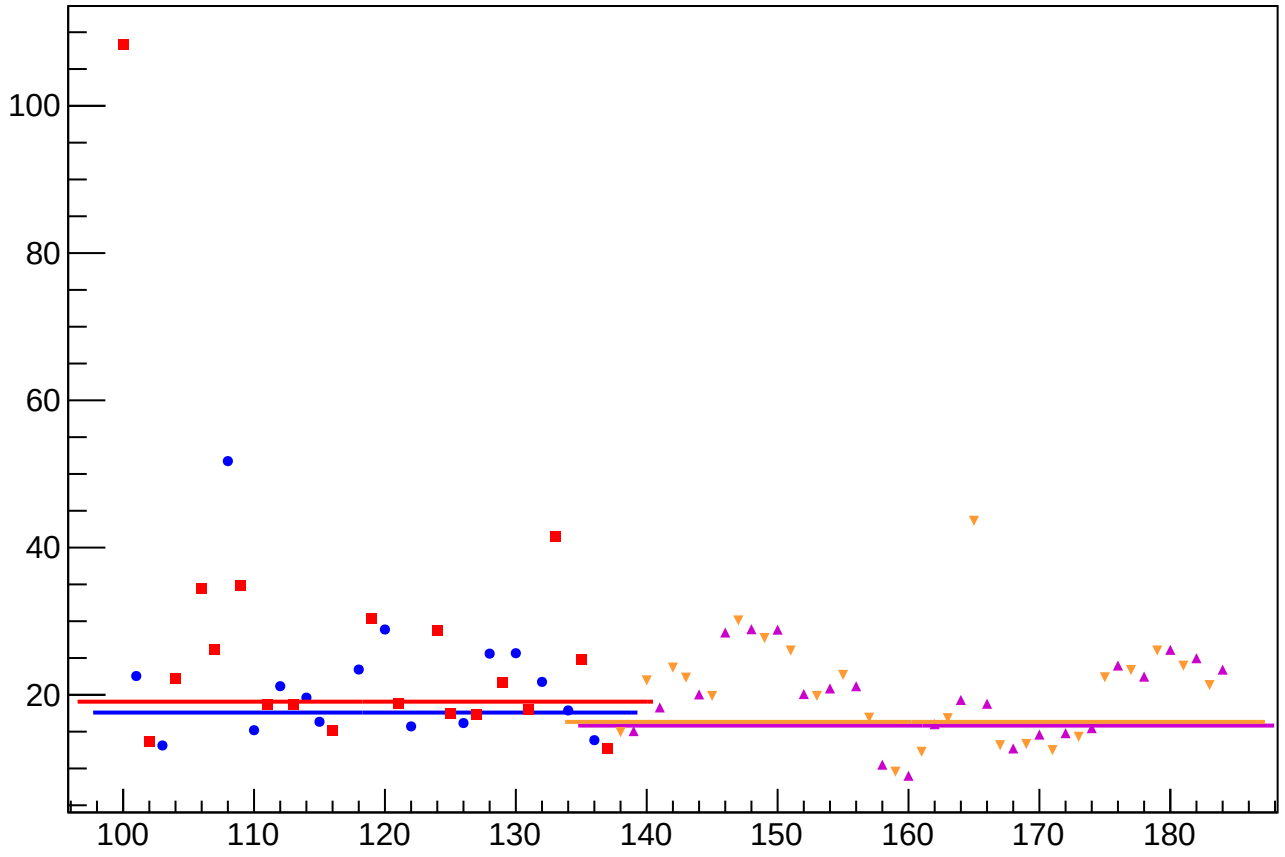
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.0/39

All: -0.007+/-0.003 χ^2/NDF: 115.9/81

- sign -0.003+/-0.004 χ^2/NDF: 43.4/41



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.325+/-0.003 χ^2/NDF:3834334.3/23

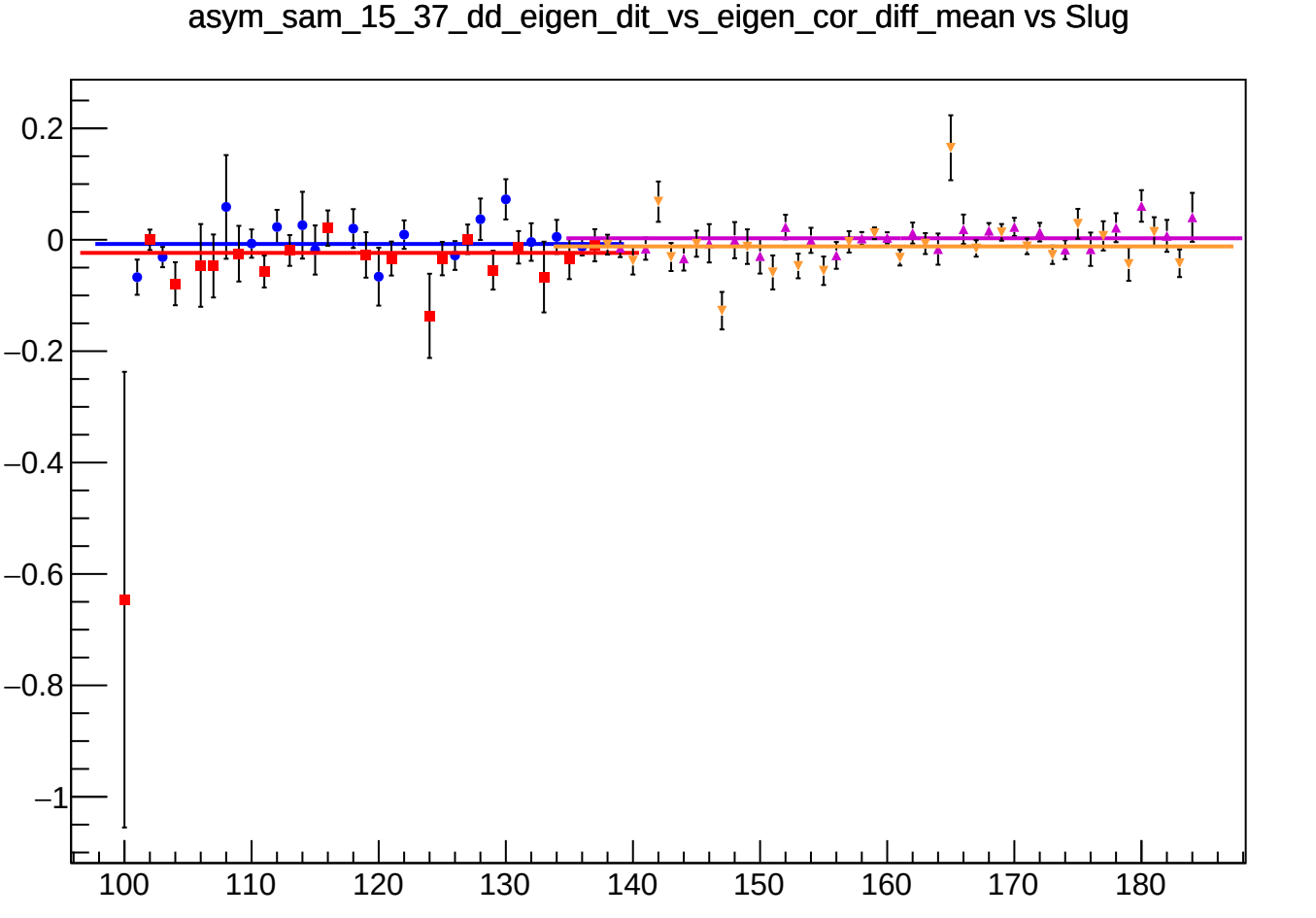
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.632+/-0.003 χ^2/NDF: 4874479.7/39

All: 16.576+/-0.002 χ^2/NDF: 10054996.8/81

- sign 16.519+/-0.003 χ^2/NDF: 5179503.3/41



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:53.0/23

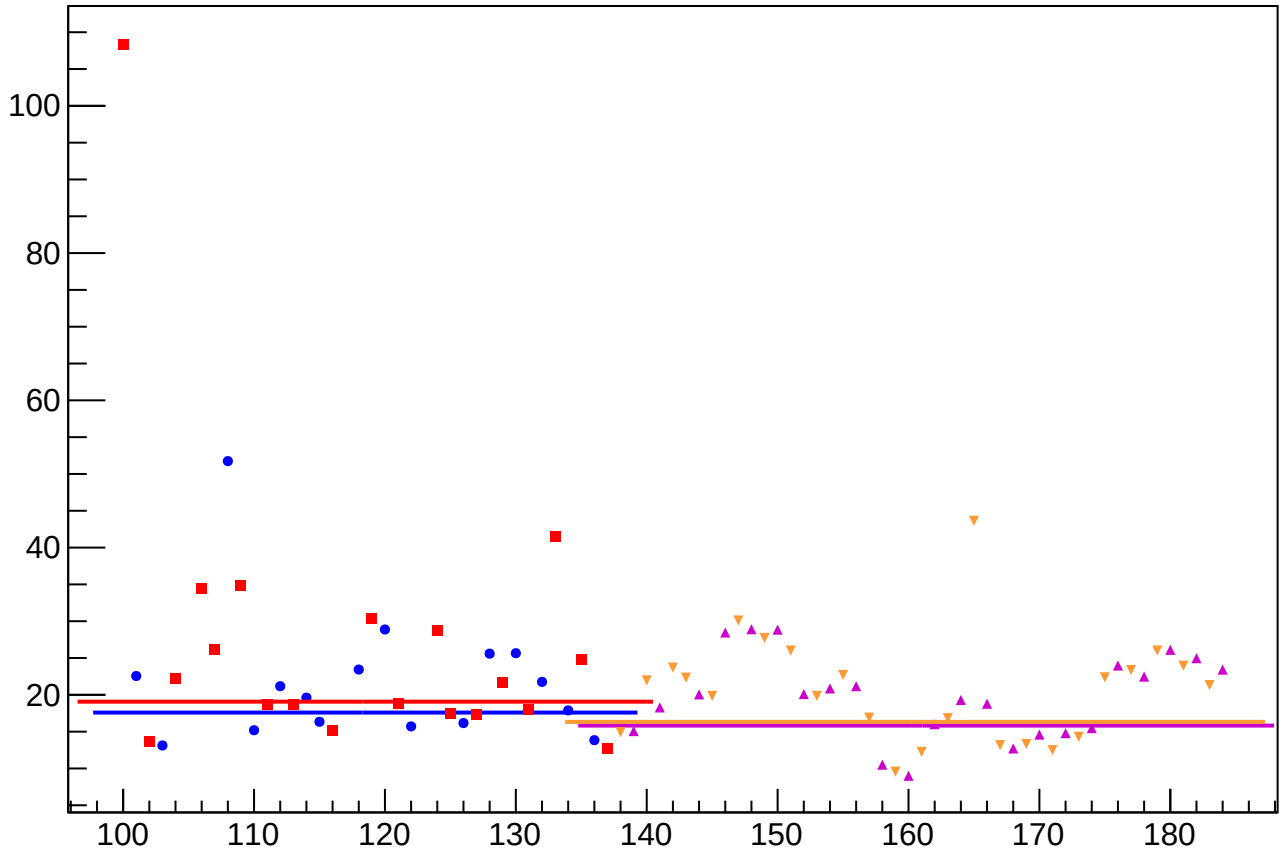
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.0/39

All: -0.007+/-0.003 χ^2/NDF: 115.9/81

- sign -0.003+/-0.004 χ^2/NDF: 43.4/41



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.325+/-0.003 χ^2/NDF:3834334.3/23

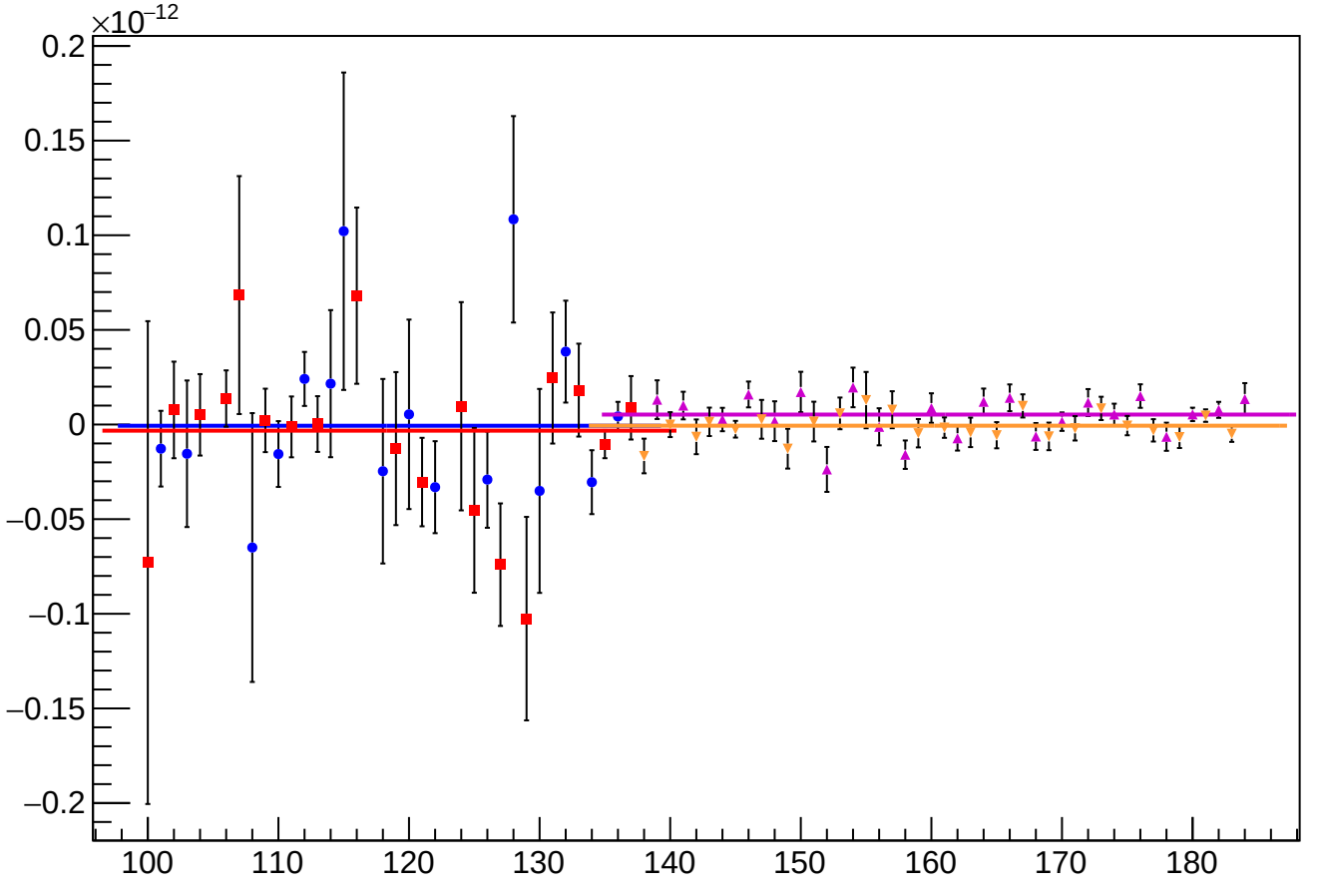
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.632+/-0.003 χ^2/NDF: 4874479.7/39

All: 16.576+/-0.002 χ^2/NDF: 10054996.8/81

- sign 16.519+/-0.003 χ^2/NDF: 5179503.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/23

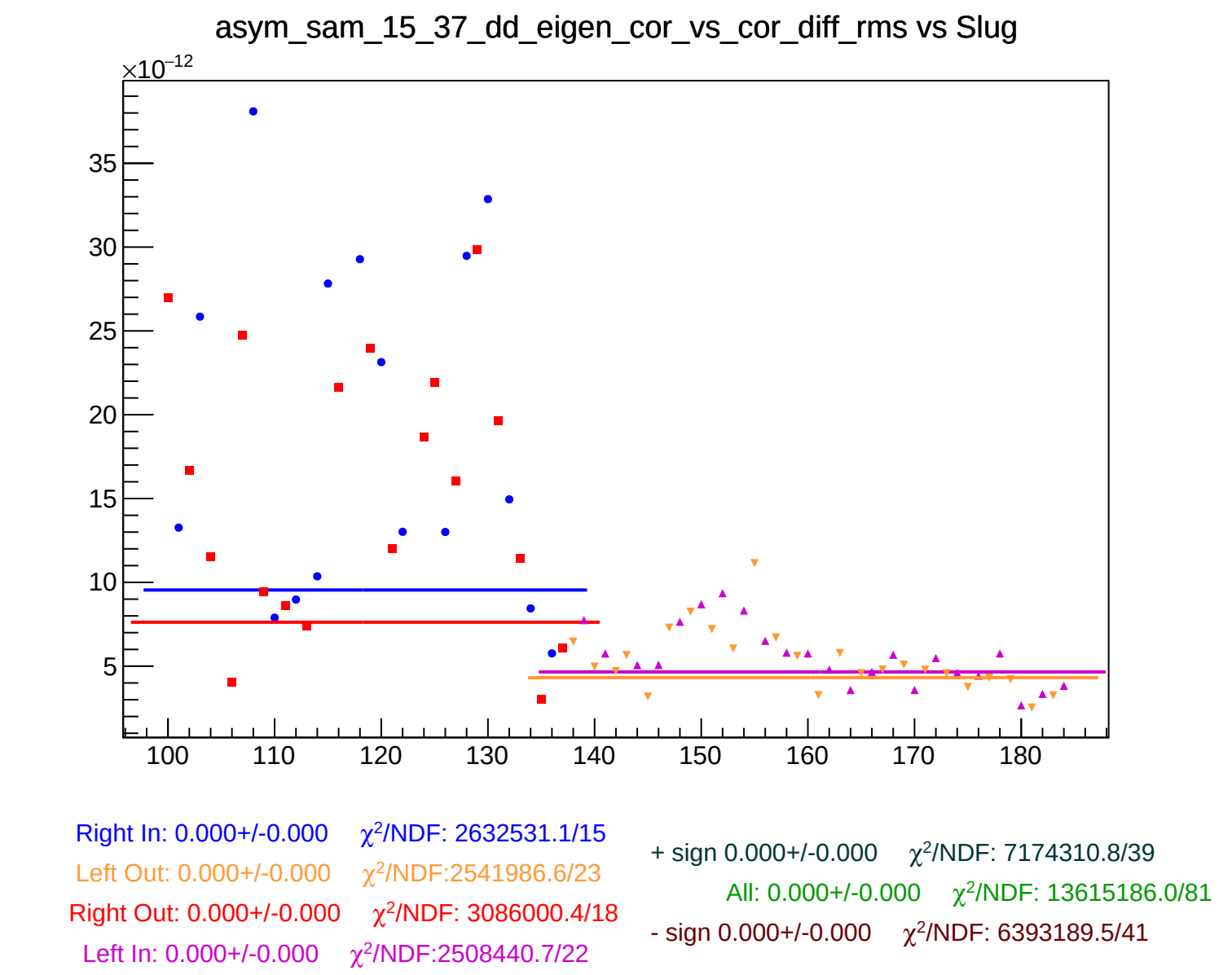
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:37.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/39

All: 0.000+/-0.000 χ^2/NDF: 107.7/81

- sign 0.000+/-0.000 χ^2/NDF: 60.4/41


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
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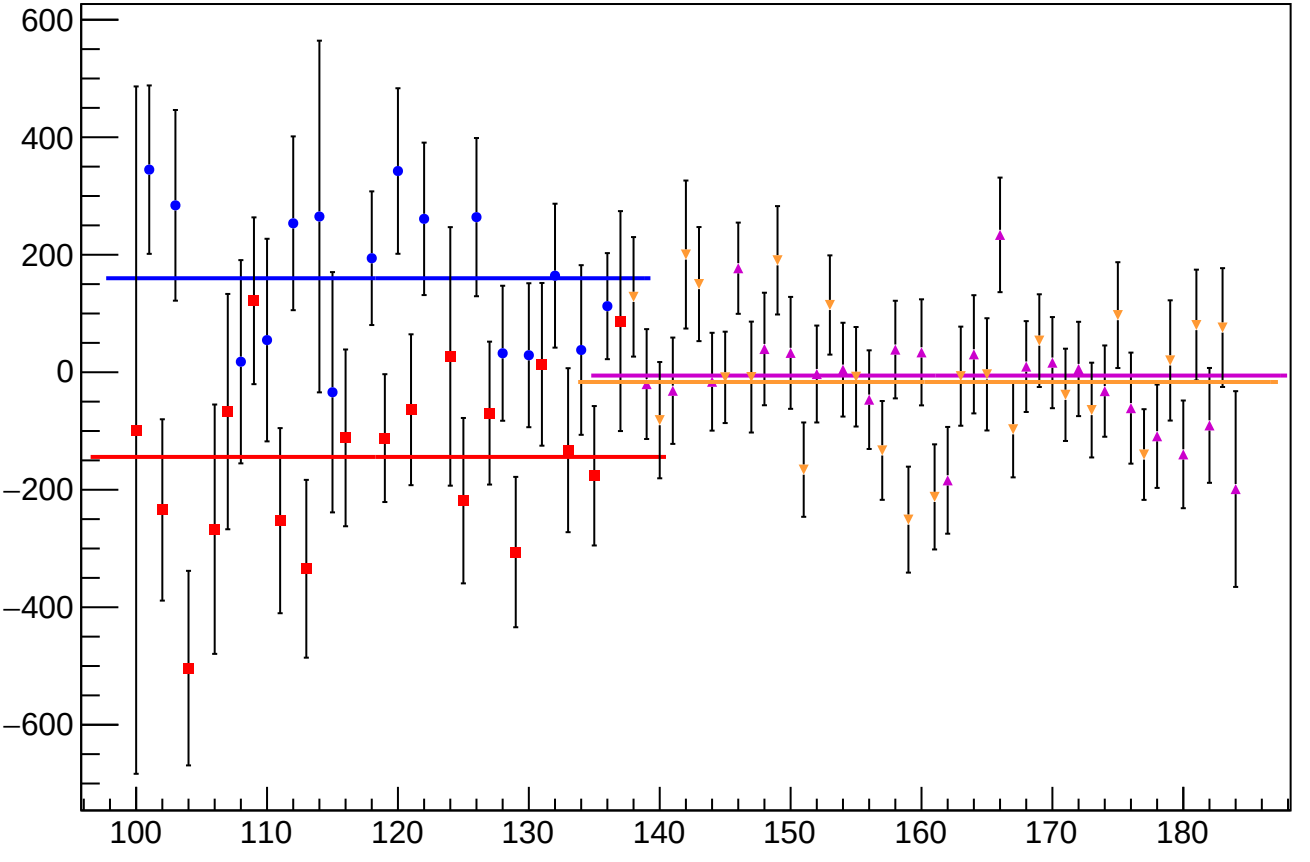
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2541986.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:2508440.7/22
+ sign 0.000+/-0.000 χ²/NDF: 7174310.8/39
All: 0.000+/-0.000 χ²/NDF: 13615186.0/81
- sign 0.000+/-0.000 χ²/NDF: 6393189.5/41

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

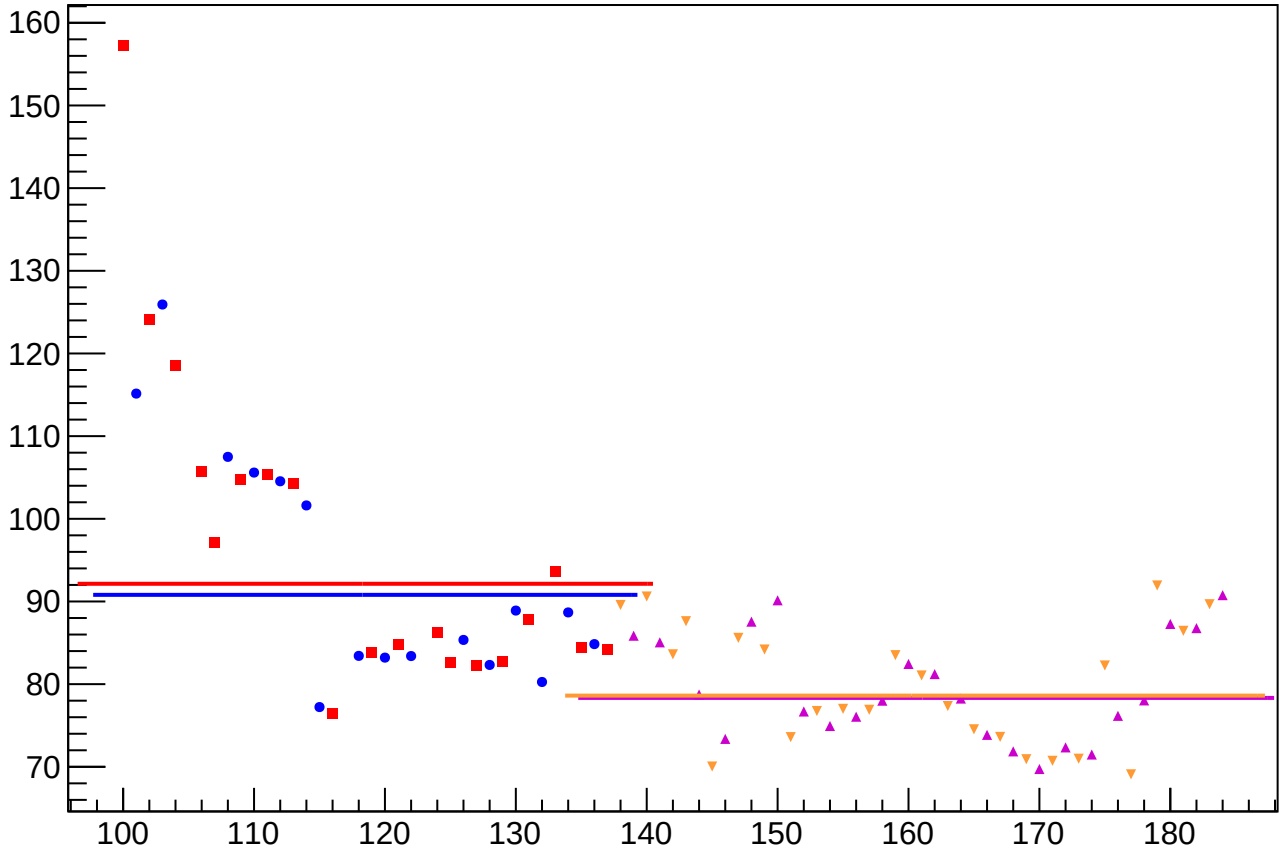
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.048+/-15.980 χ^2/NDF: 73.1/39

All: -6.912+/-11.374 χ^2/NDF: 132.9/81

- sign -36.650+/-16.193 χ^2/NDF: 53.1/41

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

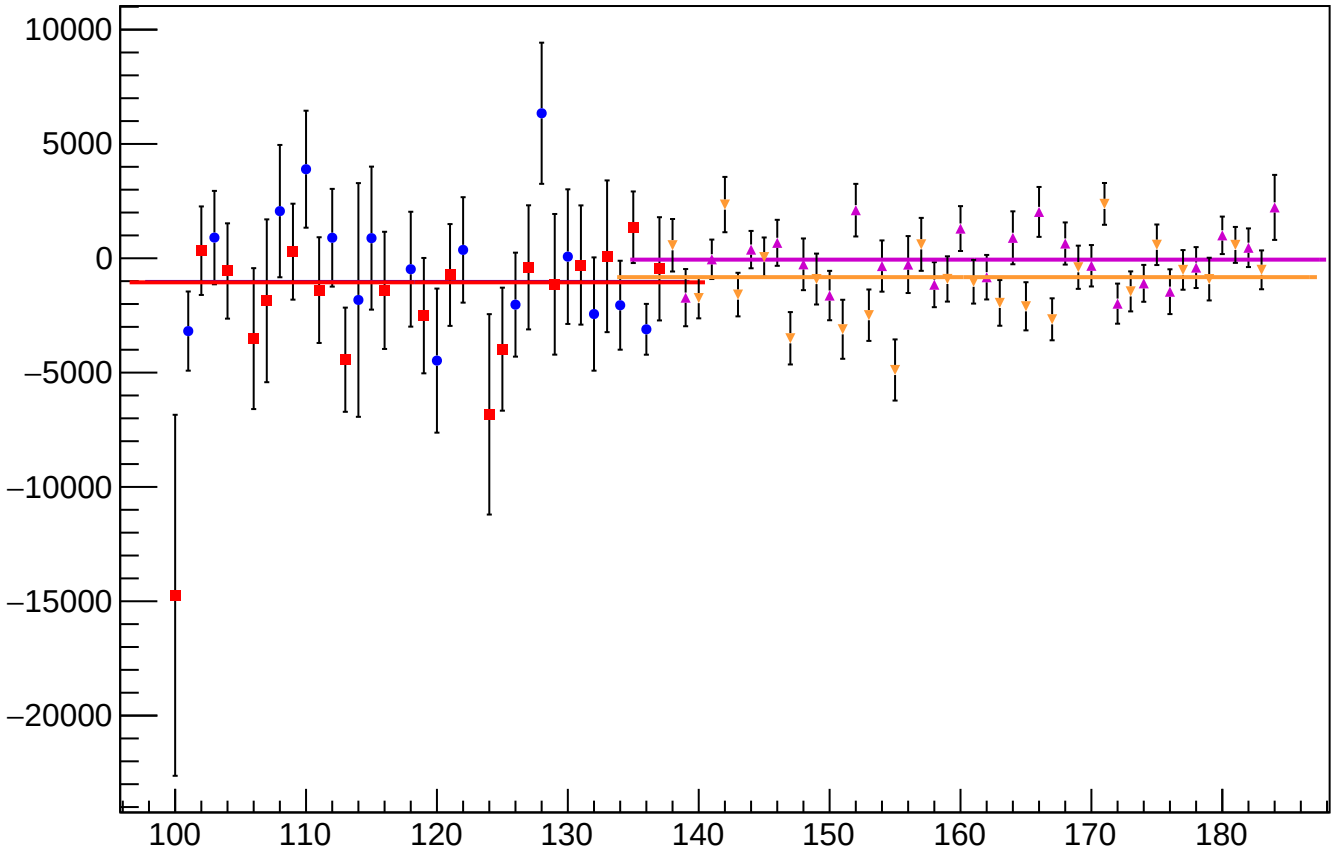
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.279+/-0.011 χ^2/NDF: 778805.0/39

All: 81.352+/-0.008 χ^2/NDF: 1542817.5/81

- sign 81.427+/-0.011 χ^2/NDF: 763927.7/41



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

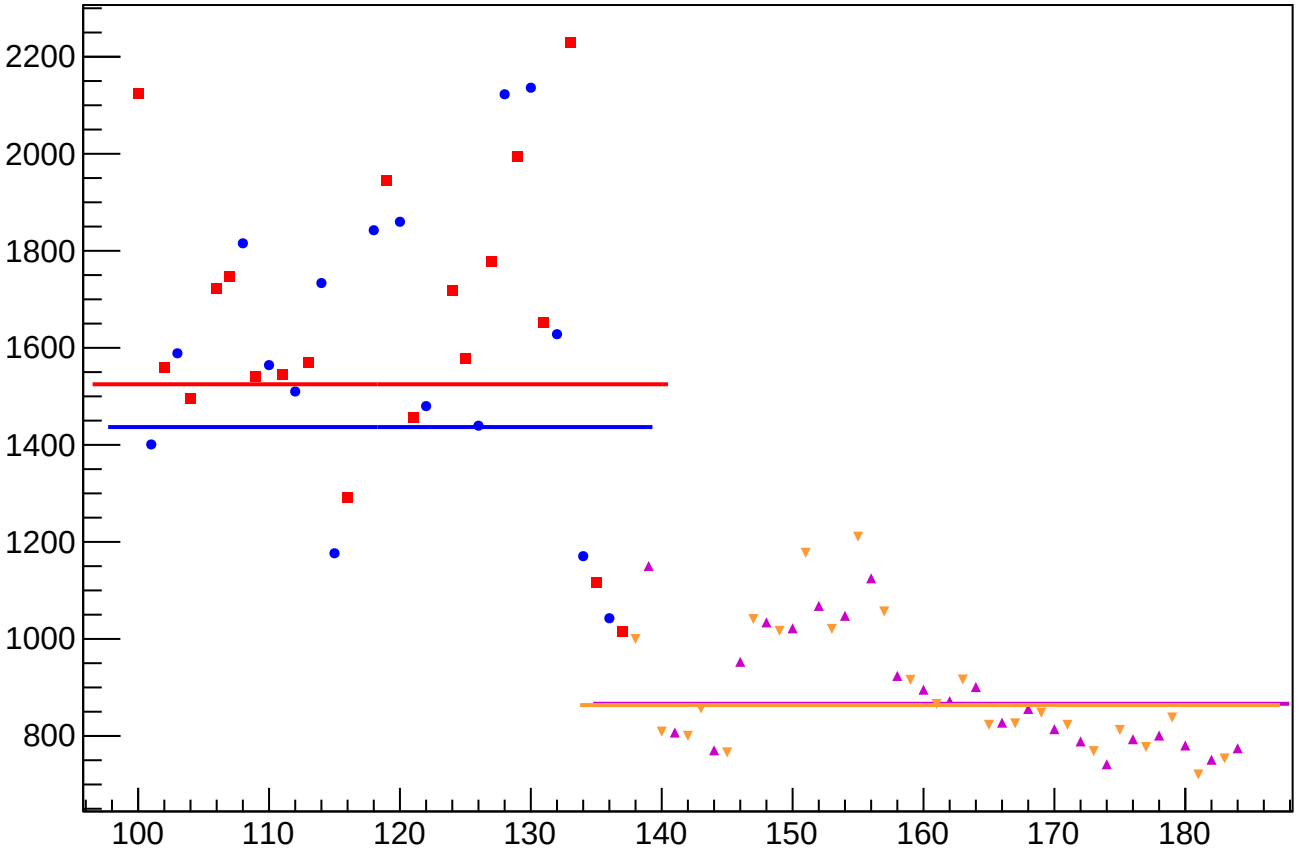
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -849.514+/-187.906 χ^2/NDF: 78.9/39

All: -519.206+/-134.428 χ^2/NDF: 131.2/81

- sign -172.936+/-192.393 χ^2/NDF: 46.0/41

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

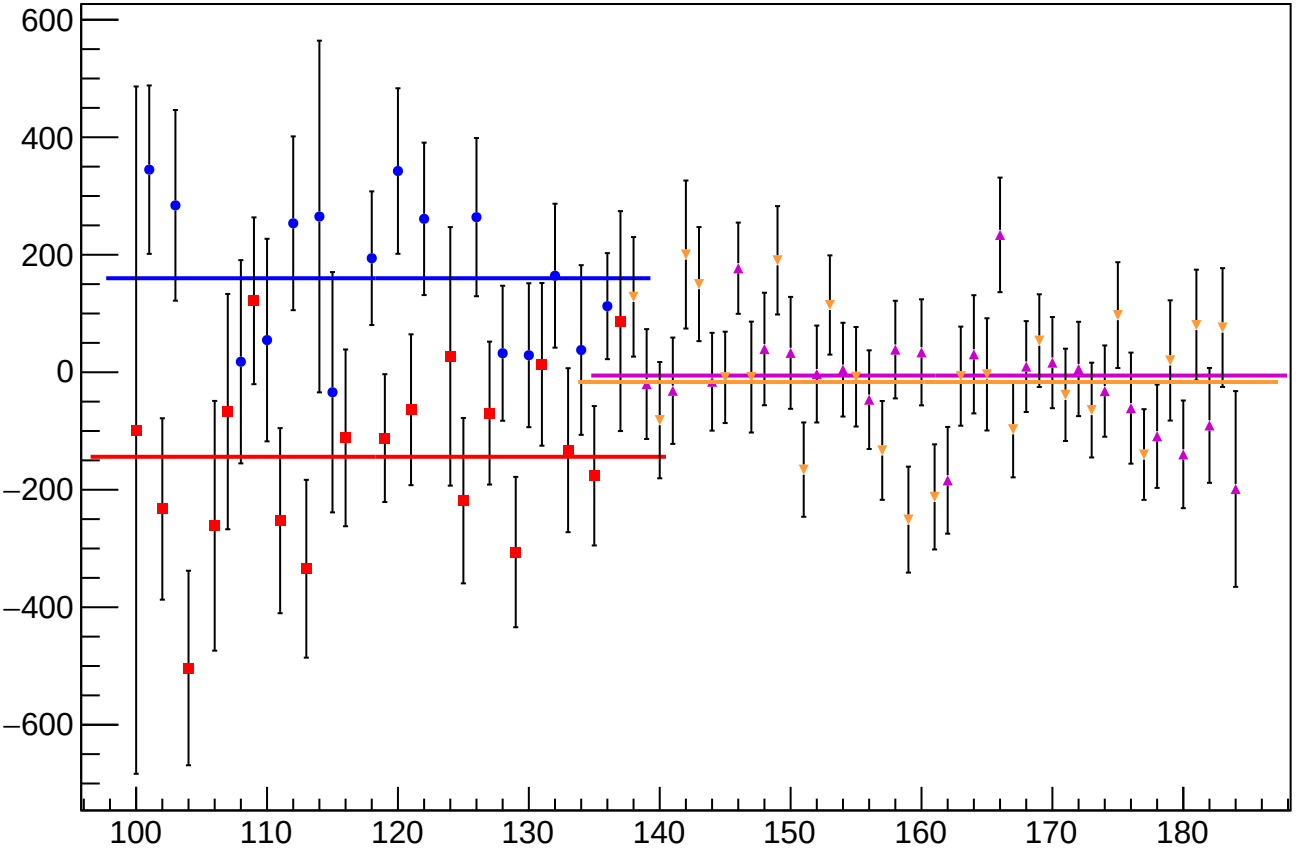
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

\+ sign 930.542+/-0.133 χ^2/NDF: 3265818.5/39

All: 935.973+/-0.095 χ^2/NDF: 6760695.2/81

\- sign 941.666+/-0.136 χ^2/NDF: 3491455.1/41

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

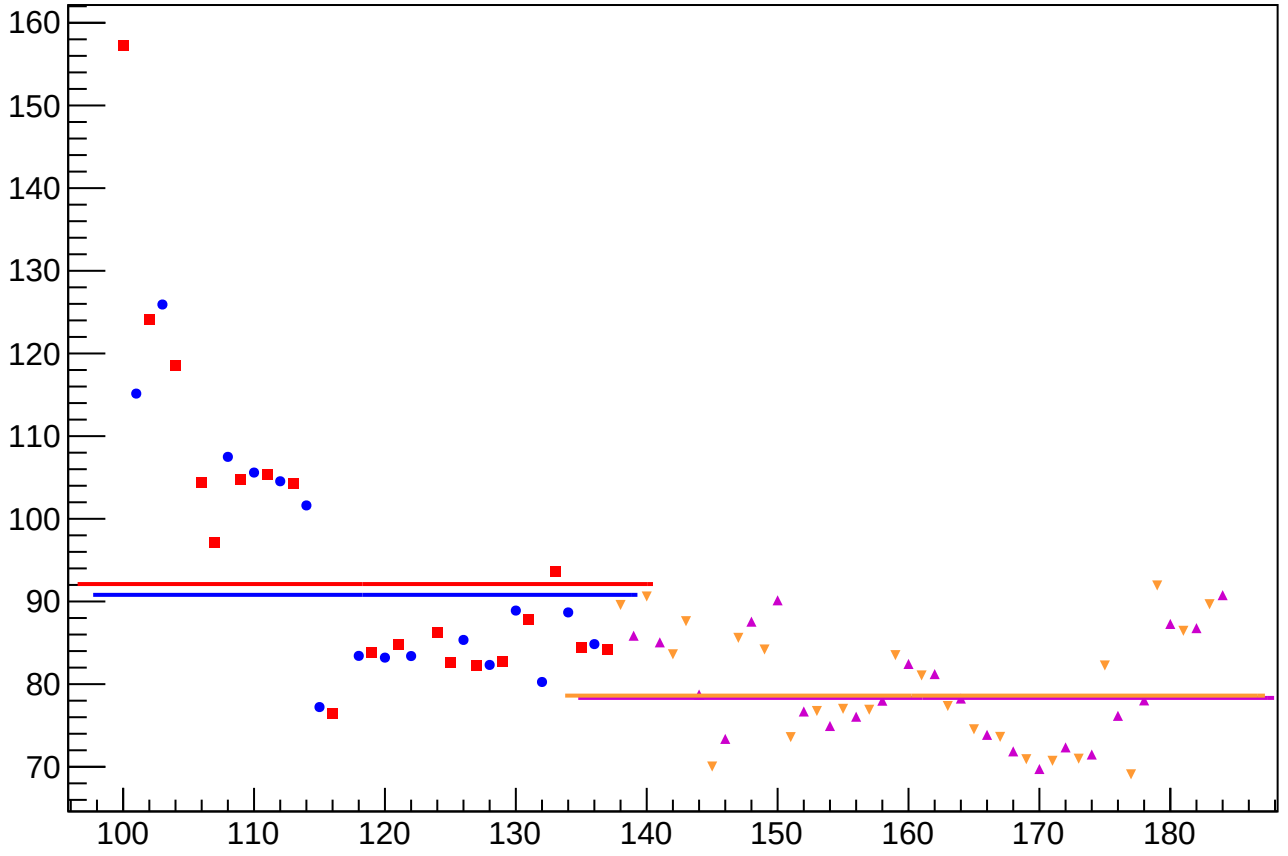
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.050+/-15.980 χ^2/NDF: 73.1/39

All: -6.880+/-11.374 χ^2/NDF: 132.7/81

- sign -36.587+/-16.193 χ^2/NDF: 53.0/41

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

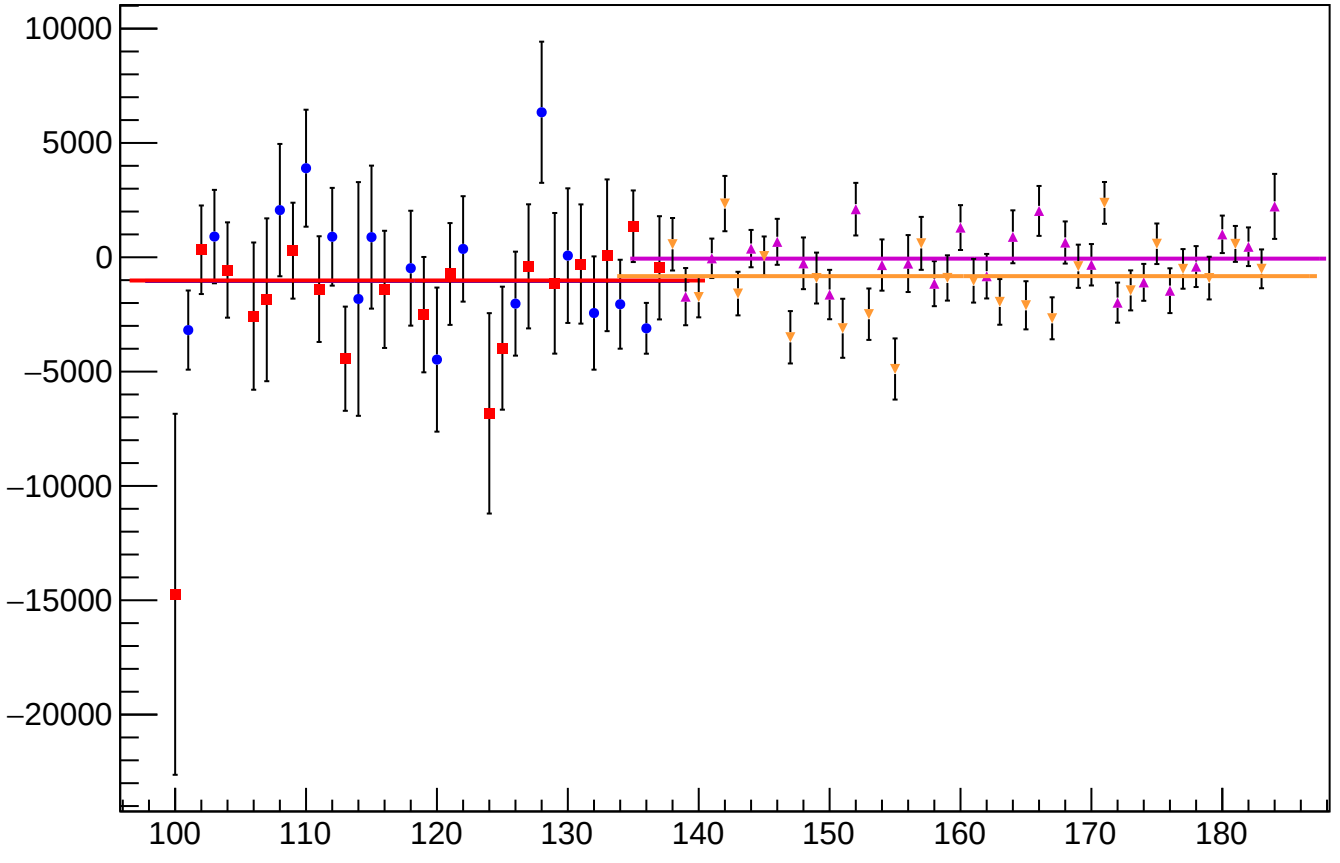
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

\+ sign 81.279+/-0.011 χ^2/NDF: 778807.0/39

All: 81.348+/-0.008 χ^2/NDF: 1540312.3/81

\- sign 81.419+/-0.011 χ^2/NDF: 761429.1/41

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

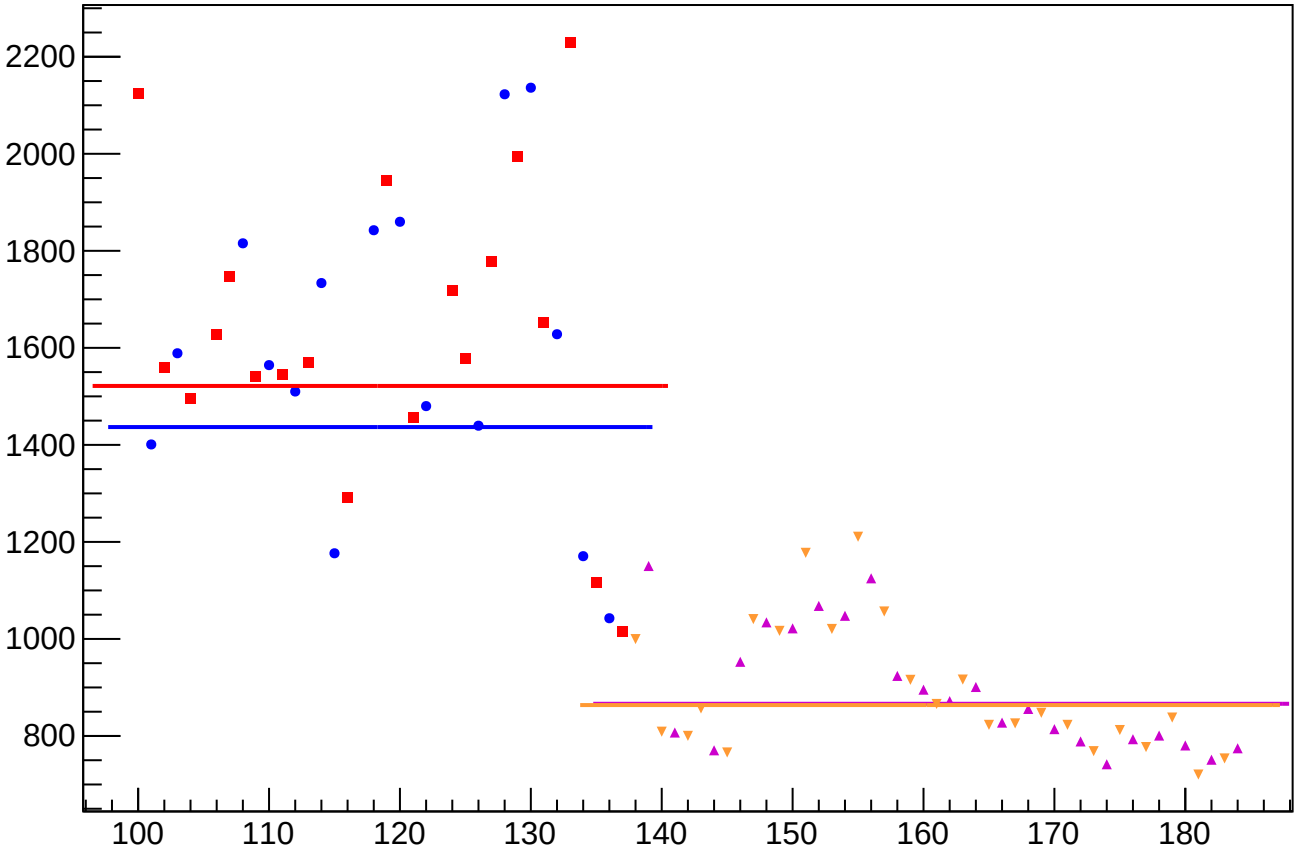
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -849.508+/-187.906 χ^2/NDF: 78.9/39

All: -517.104+/-134.439 χ^2/NDF: 130.7/81

- sign -168.520+/-192.425 χ^2/NDF: 45.4/41

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

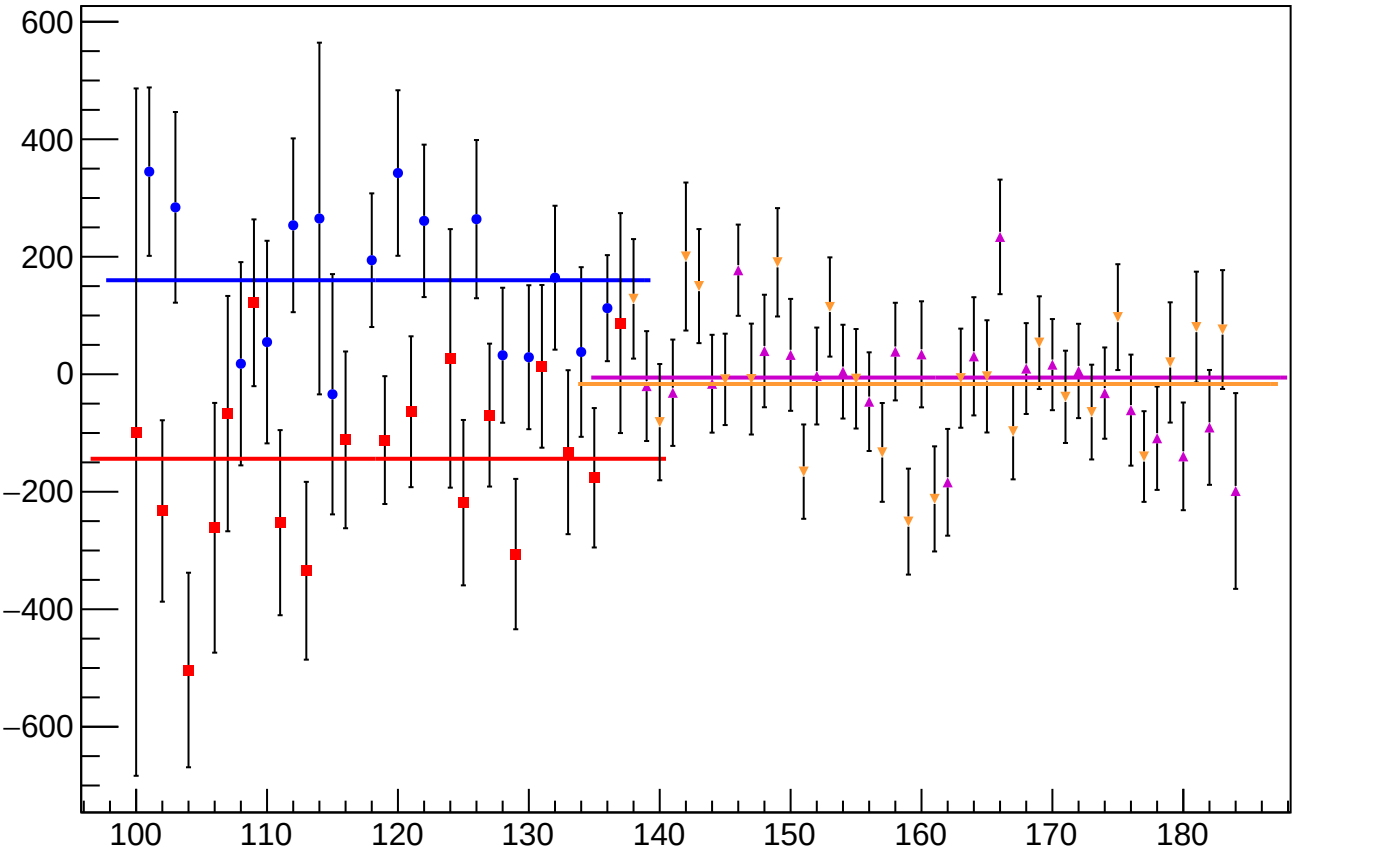
Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

\+ sign 930.542+/-0.133 χ^2/NDF: 3265839.5/39

All: 935.684+/-0.095 χ^2/NDF: 6723172.9/81

\- sign 941.075+/-0.136 χ^2/NDF: 3454265.8/41



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

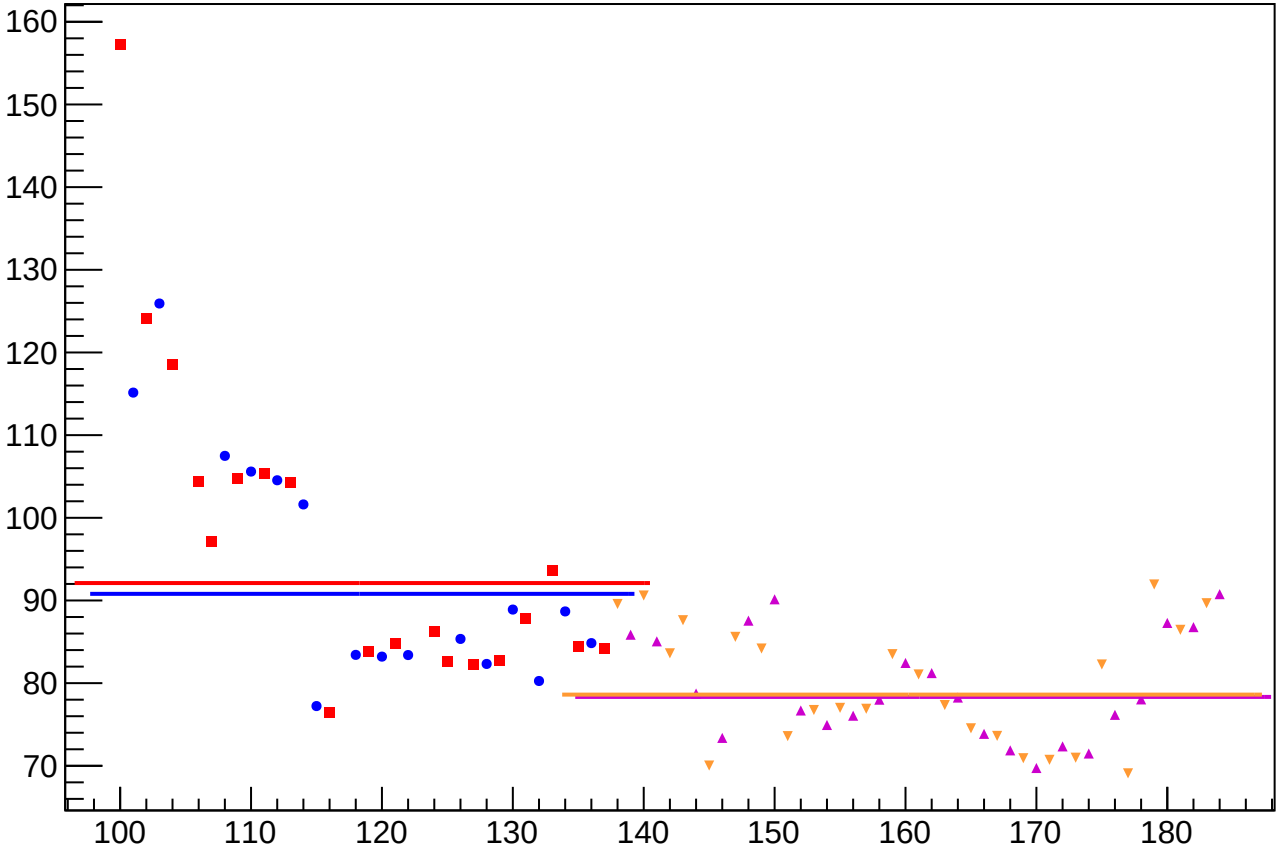
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

\+ sign 22.050+/-15.980 χ^2/NDF: 73.1/39

All: -6.880+/-11.374 χ^2/NDF: 132.7/81

\- sign -36.587+/-16.193 χ^2/NDF: 53.0/41

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

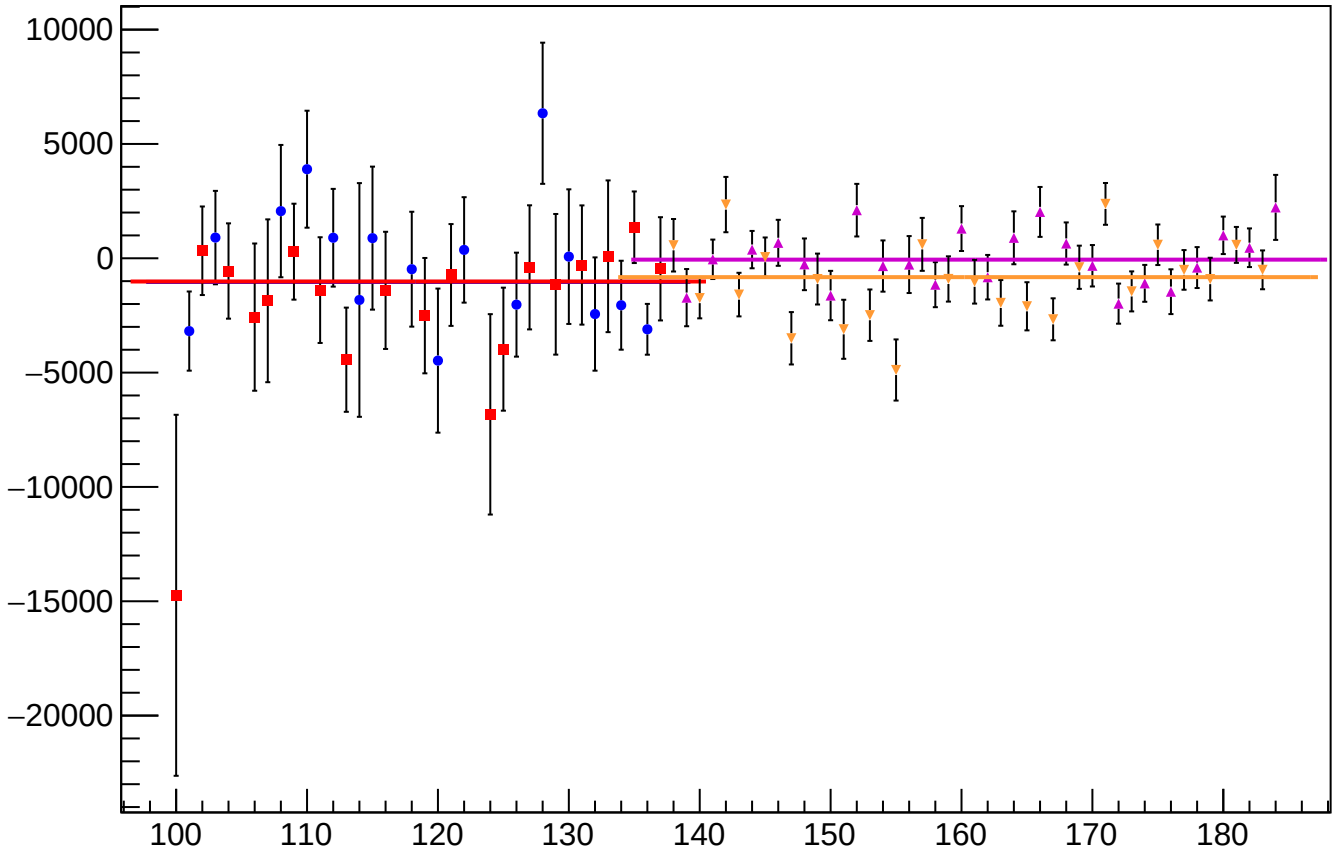
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

\+ sign 81.279+/-0.011 χ^2/NDF: 778807.0/39

All: 81.348+/-0.008 χ^2/NDF: 1540312.3/81

\- sign 81.419+/-0.011 χ^2/NDF: 761429.1/41



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -825.016+/-199.927 χ^2/NDF:58.5/23

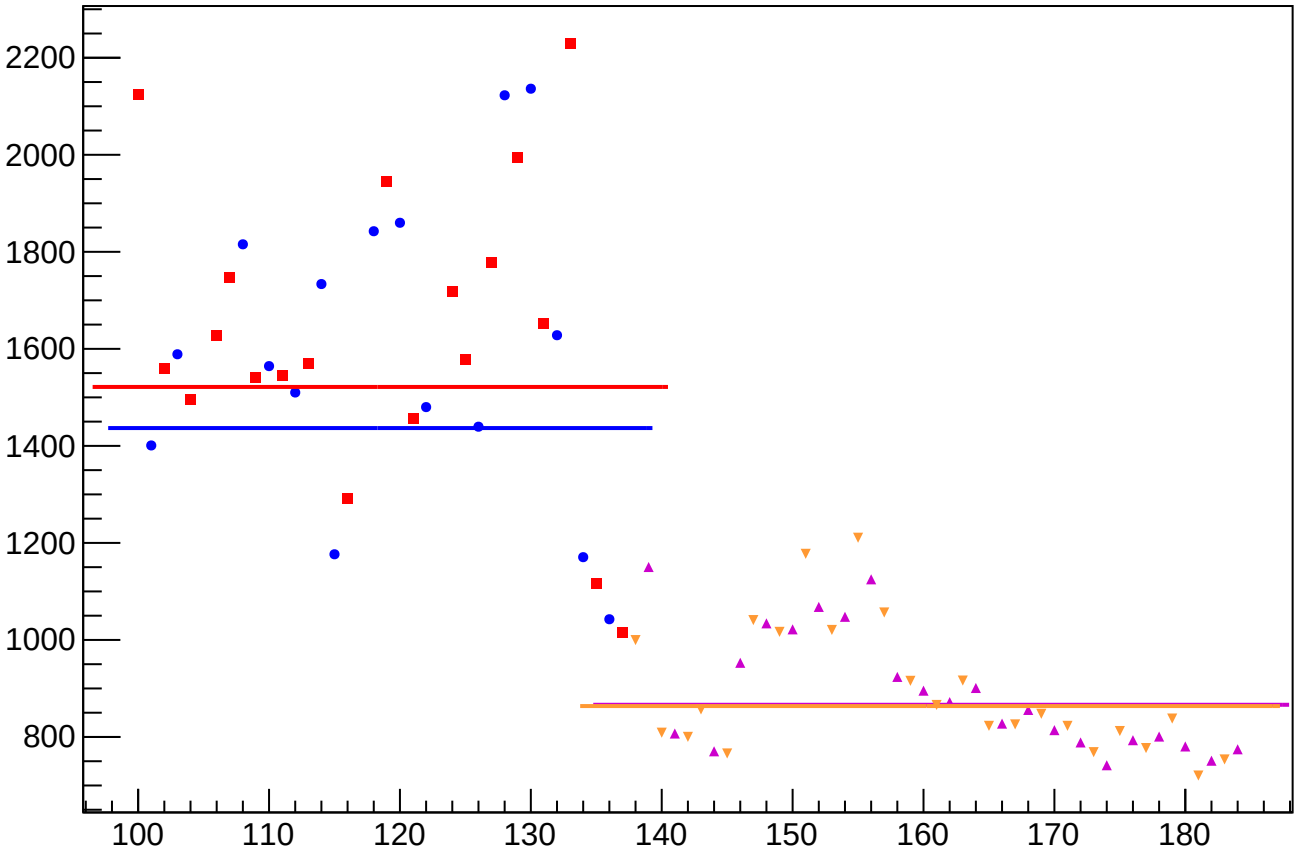
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

\+ sign -849.508+/-187.906 χ^2/NDF: 78.9/39

All: -517.104+/-134.439 χ^2/NDF: 130.7/81

\- sign -168.520+/-192.425 χ^2/NDF: 45.4/41



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

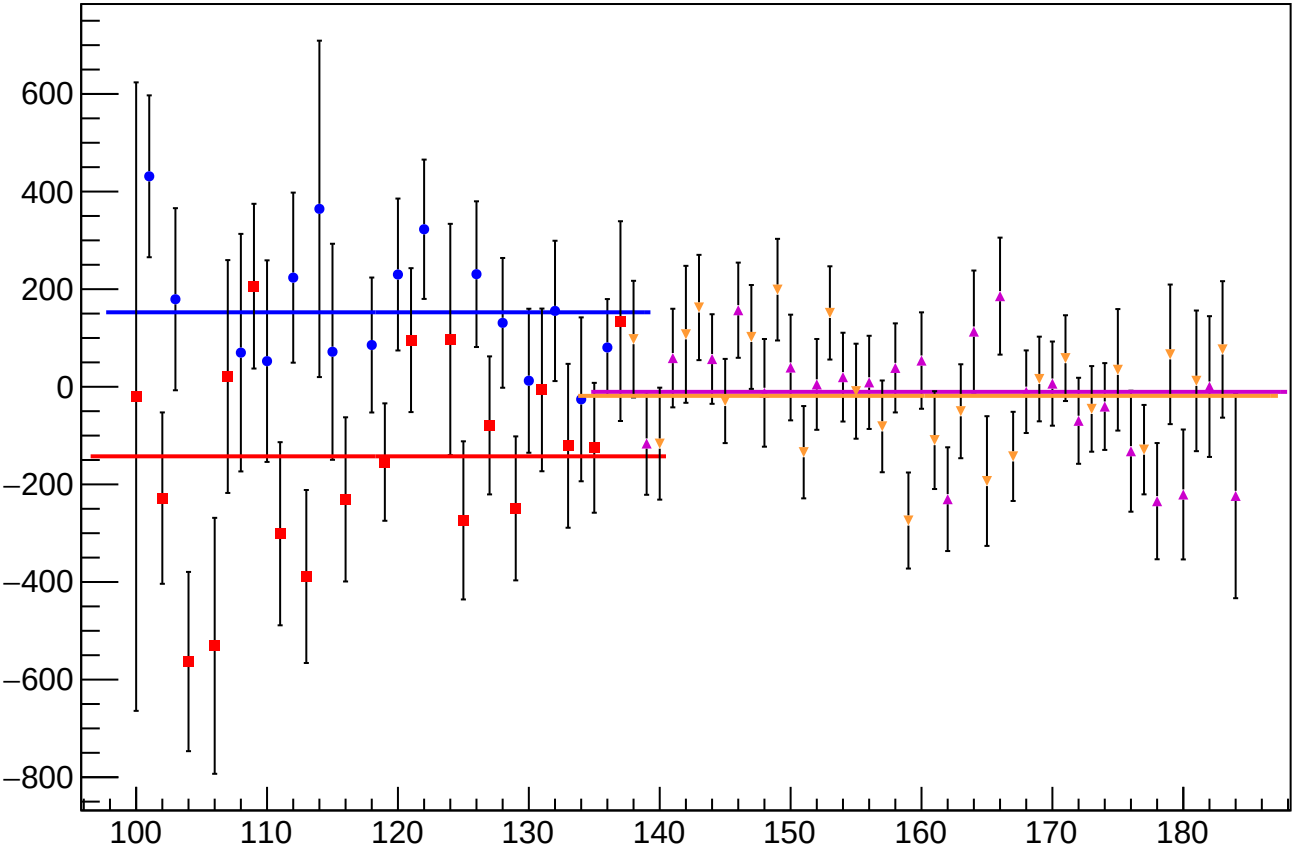
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

\+ sign 930.542+/-0.133 χ^2/NDF: 3265839.5/39

All: 935.684+/-0.095 χ^2/NDF: 6723172.9/81

\- sign 941.075+/-0.136 χ^2/NDF: 3454265.8/41

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -18.609+/-21.086 χ^2/NDF:30.8/23

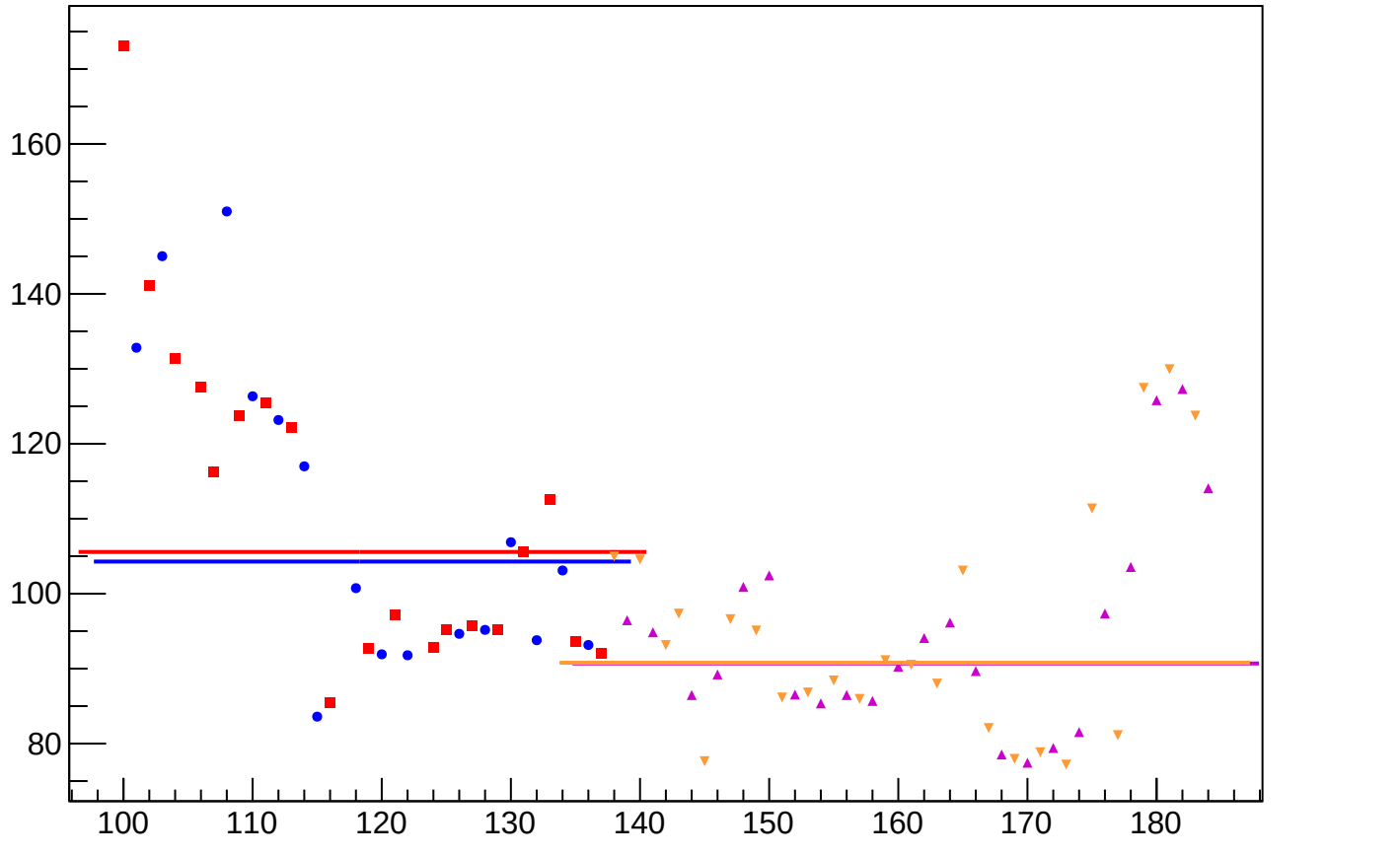
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 19.446+/-18.596 χ^2/NDF: 54.1/39

All: -10.237+/-13.245 χ^2/NDF: 113.5/81

- sign -40.796+/-18.869 χ^2/NDF: 54.2/41



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

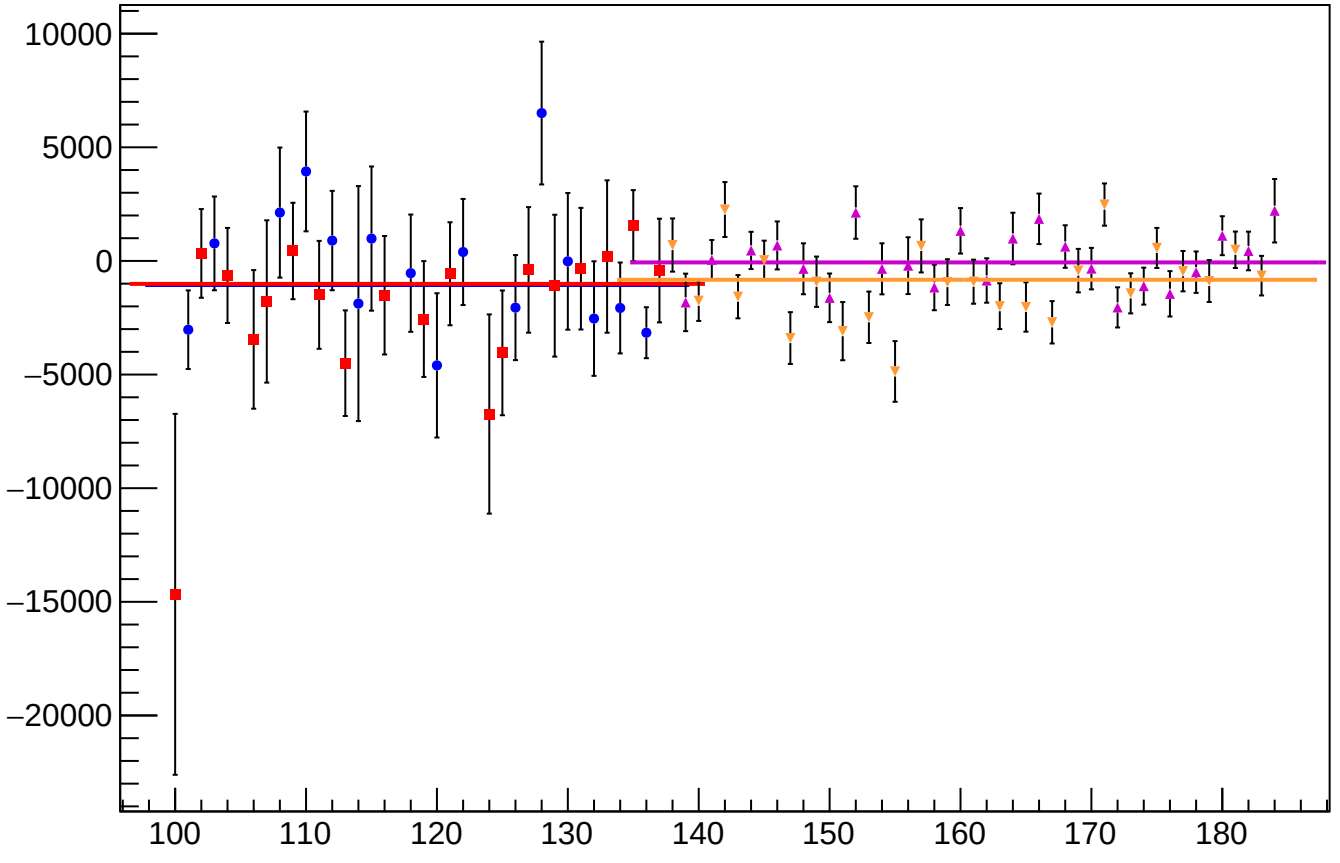
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 93.784+/-0.013 χ^2/NDF: 1328987.9/39

All: 93.946+/-0.009 χ^2/NDF: 2440121.3/81

- sign 94.113+/-0.013 χ^2/NDF: 1110826.3/41

asym_sam_24_68_dd_dit_correction_mean vs Slug



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

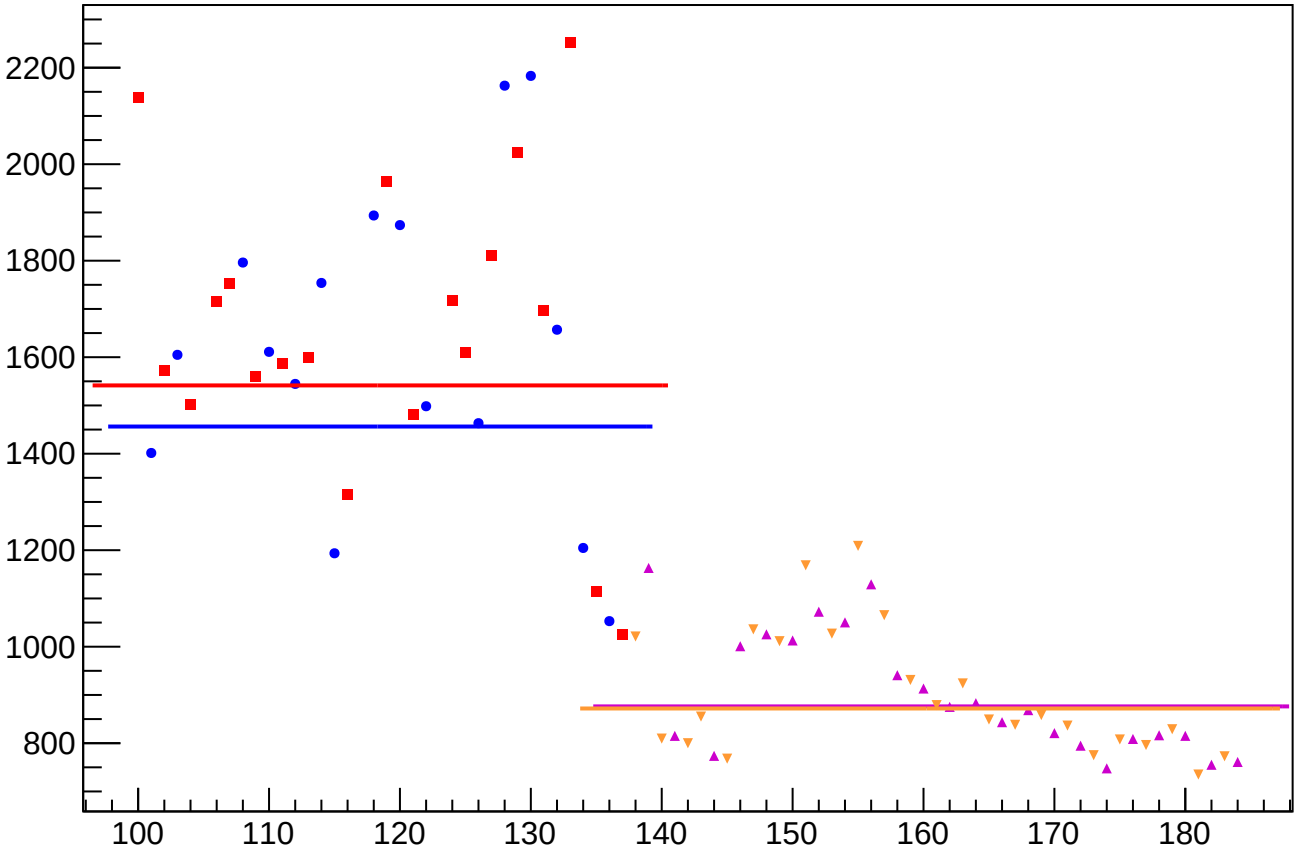
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -854.997+/-189.632 χ^2/NDF: 77.6/39

All: -522.770+/-135.778 χ^2/NDF: 130.3/81

- sign -173.271+/-194.499 χ^2/NDF: 46.4/41

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

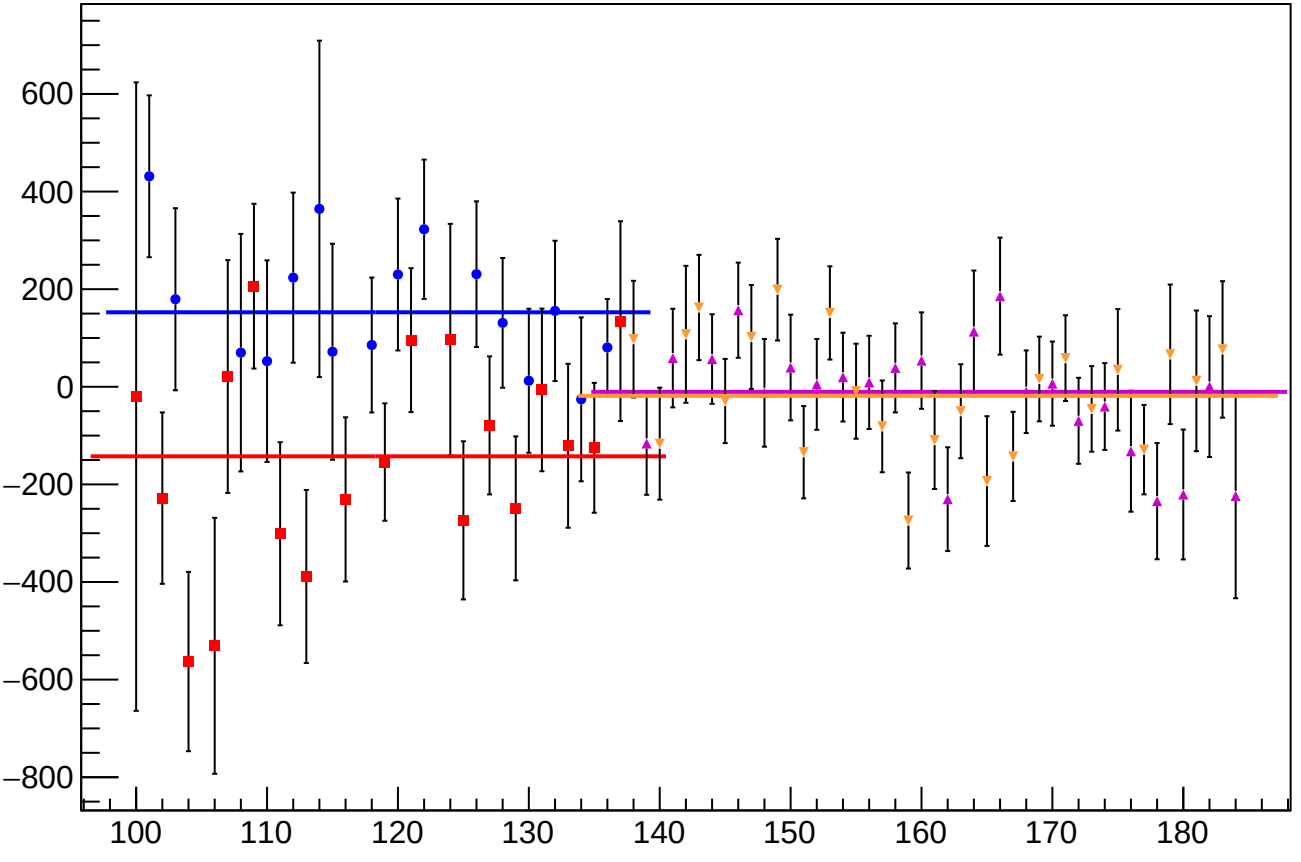
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

\+ sign 939.523+/-0.134 χ^2/NDF: 3263875.8/39

All: 945.780+/-0.096 χ^2/NDF: 6754946.5/81

\- sign 952.364+/-0.138 χ^2/NDF: 3486601.5/41

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

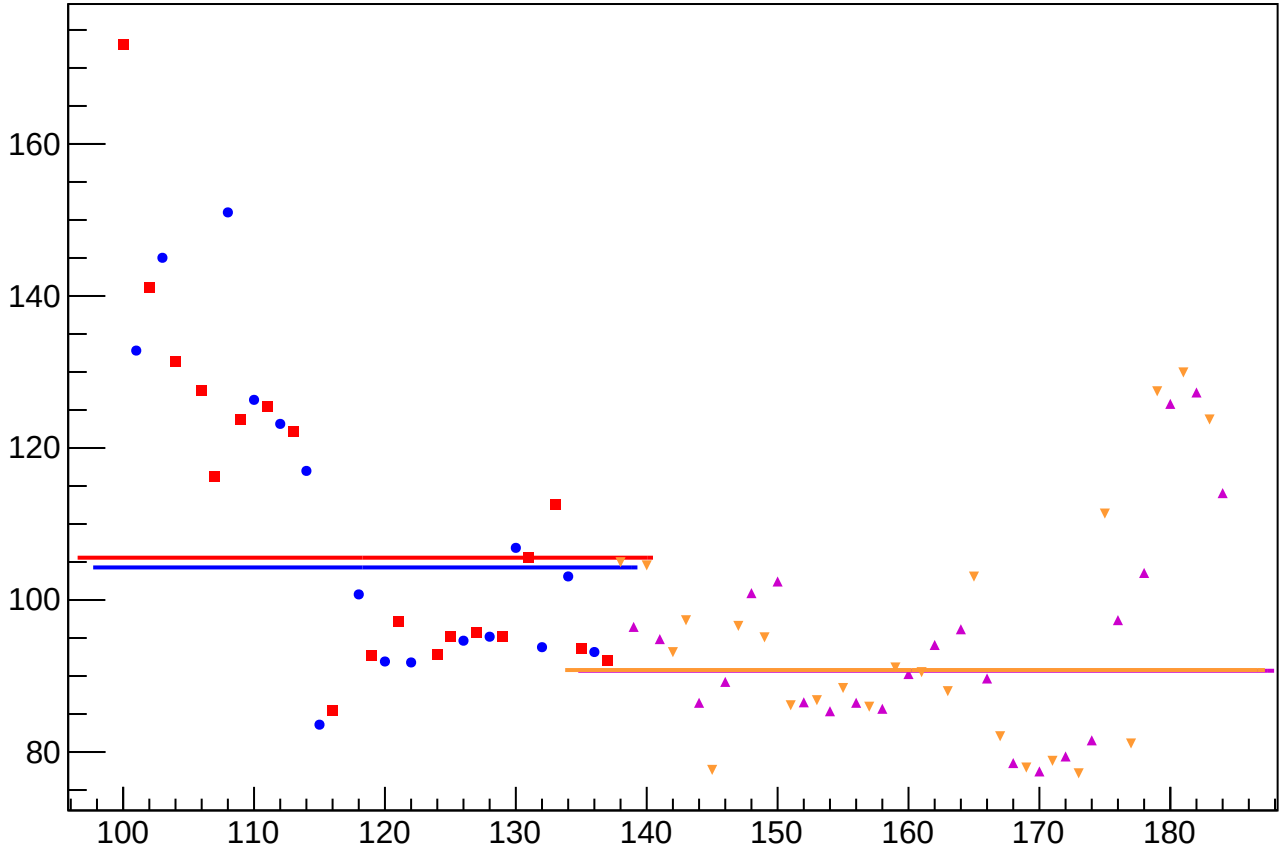
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 19.447+/-18.596 χ^2/NDF: 54.1/39

All: -10.236+/-13.245 χ^2/NDF: 113.5/81

- sign -40.796+/-18.869 χ^2/NDF: 54.2/41

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.784+/-0.015 χ^2/NDF:768420.2/23

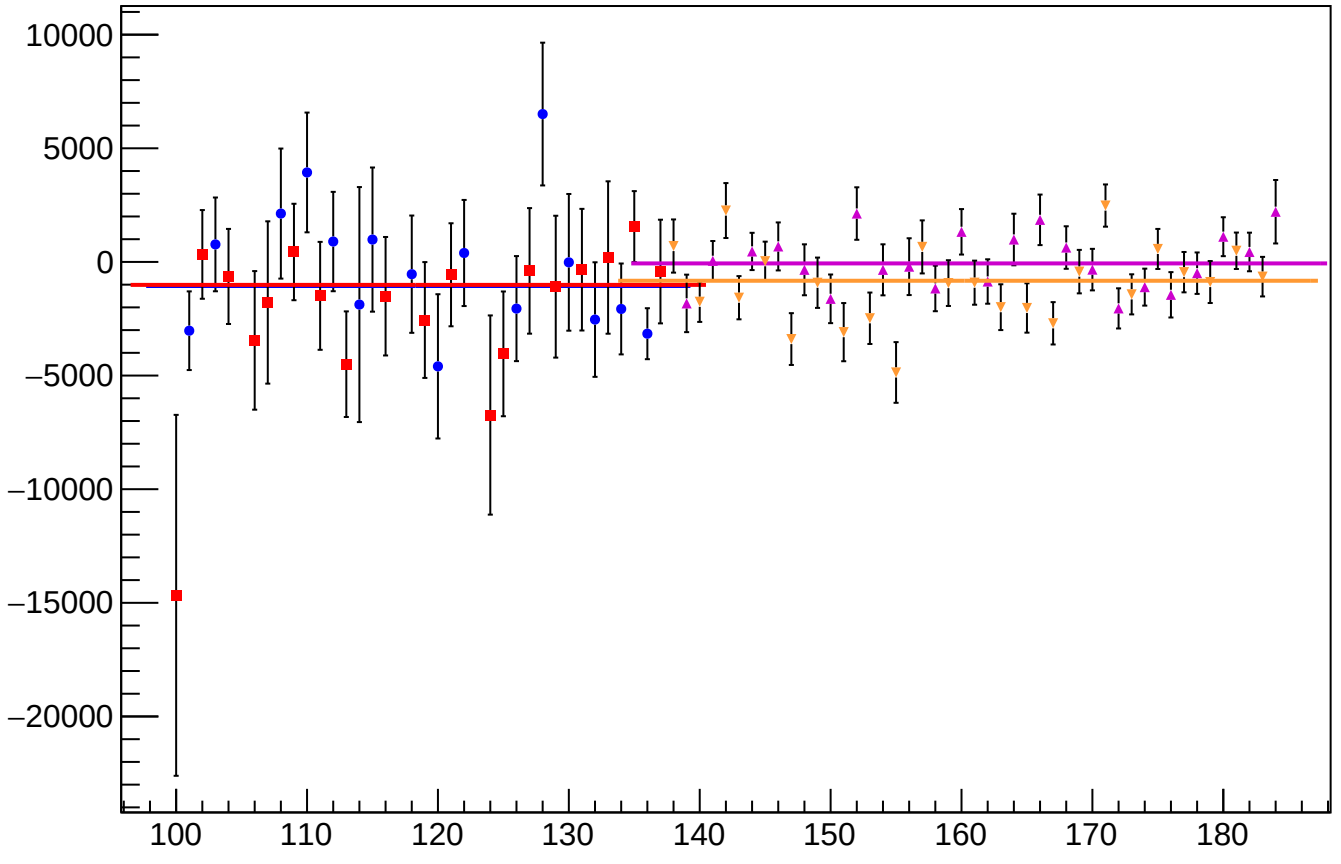
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 93.784+/-0.013 χ^2/NDF: 1328969.7/39

All: 93.946+/-0.009 χ^2/NDF: 2440075.3/81

- sign 94.112+/-0.013 χ^2/NDF: 1110798.6/41



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -828.275+/-201.649 χ^2/NDF:57.4/23

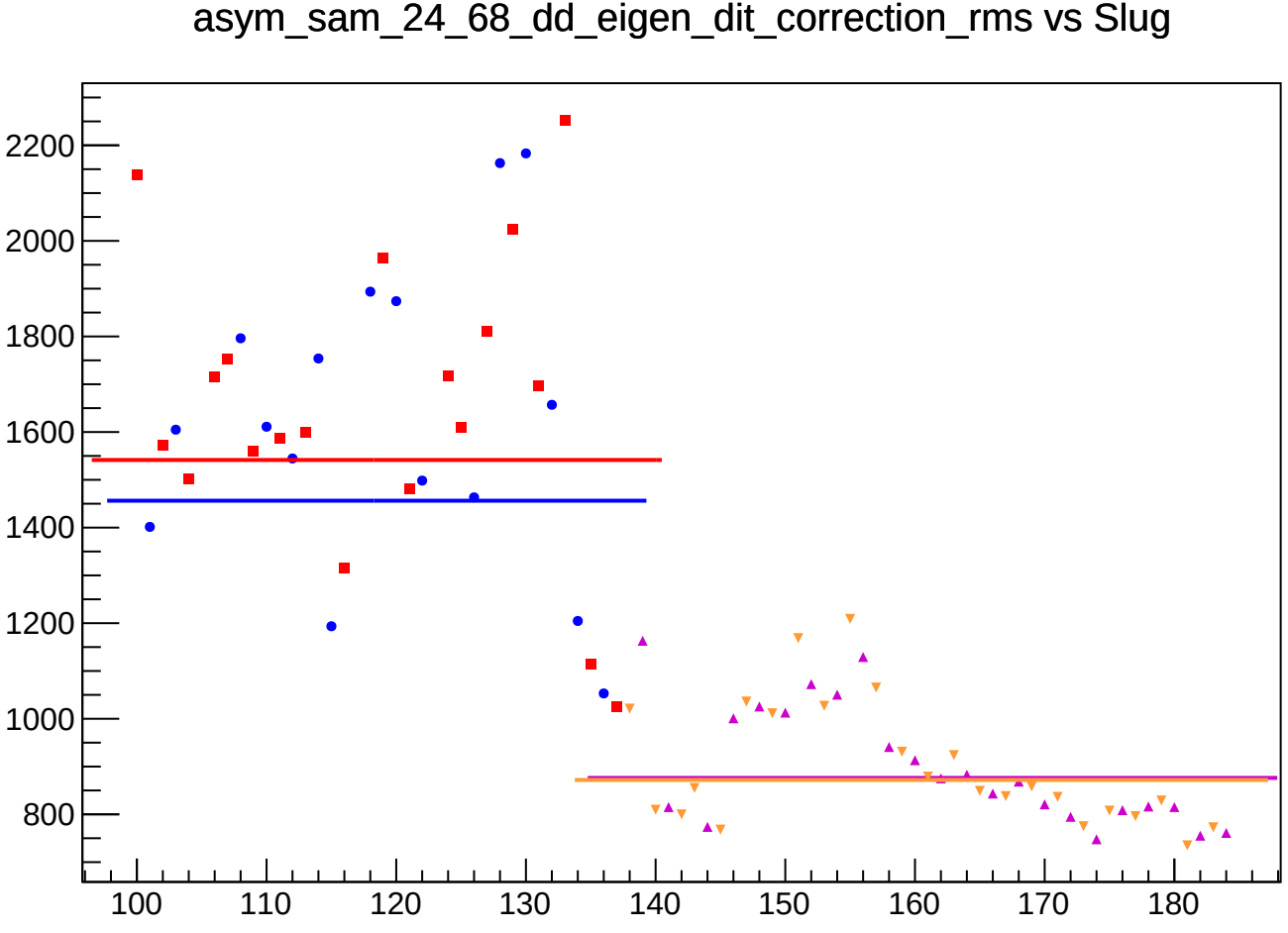
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -854.997+/-189.631 χ^2/NDF: 77.6/39

All: -522.770+/-135.778 χ^2/NDF: 130.3/81

- sign -173.271+/-194.498 χ^2/NDF: 46.4/41



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

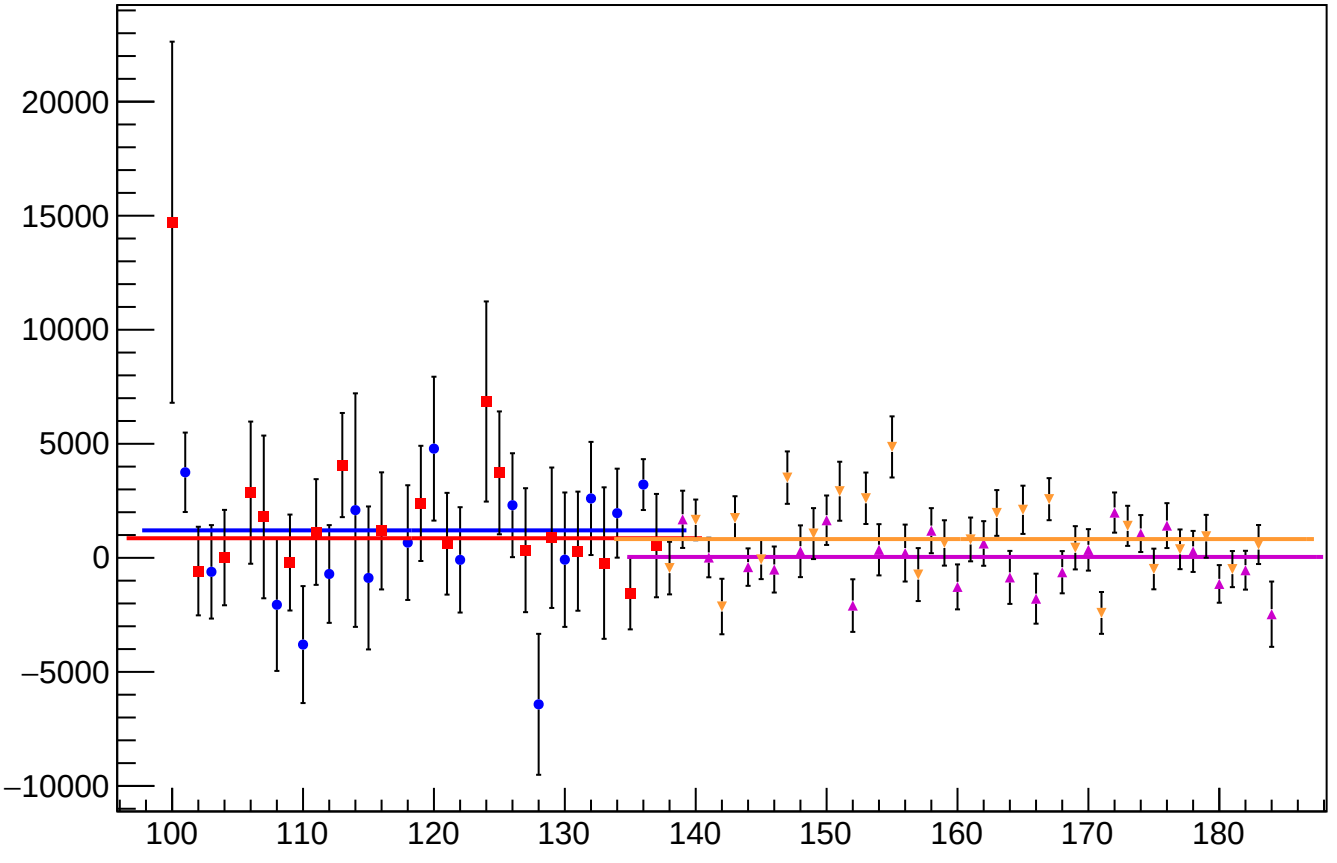
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 939.522+/-0.134 χ^2/NDF: 3263869.2/39

All: 945.780+/-0.096 χ^2/NDF: 6754933.6/81

- sign 952.363+/-0.138 χ^2/NDF: 3486595.3/41

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

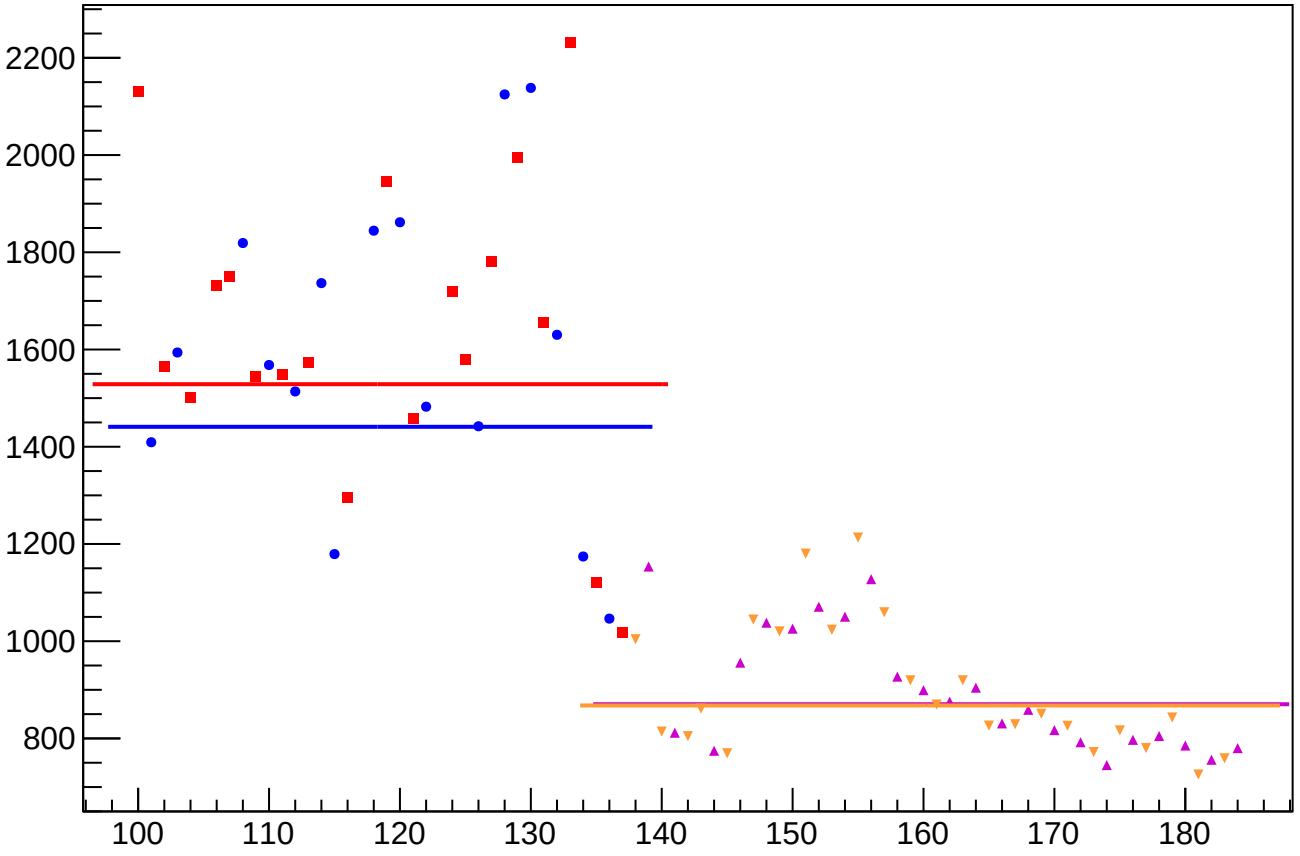
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

\+ sign 867.609+/-188.731 χ^2/NDF: 77.9/39

All: 509.298+/-135.009 χ^2/NDF: 129.3/81

\- sign 133.780+/-193.210 χ^2/NDF: 44.0/41

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

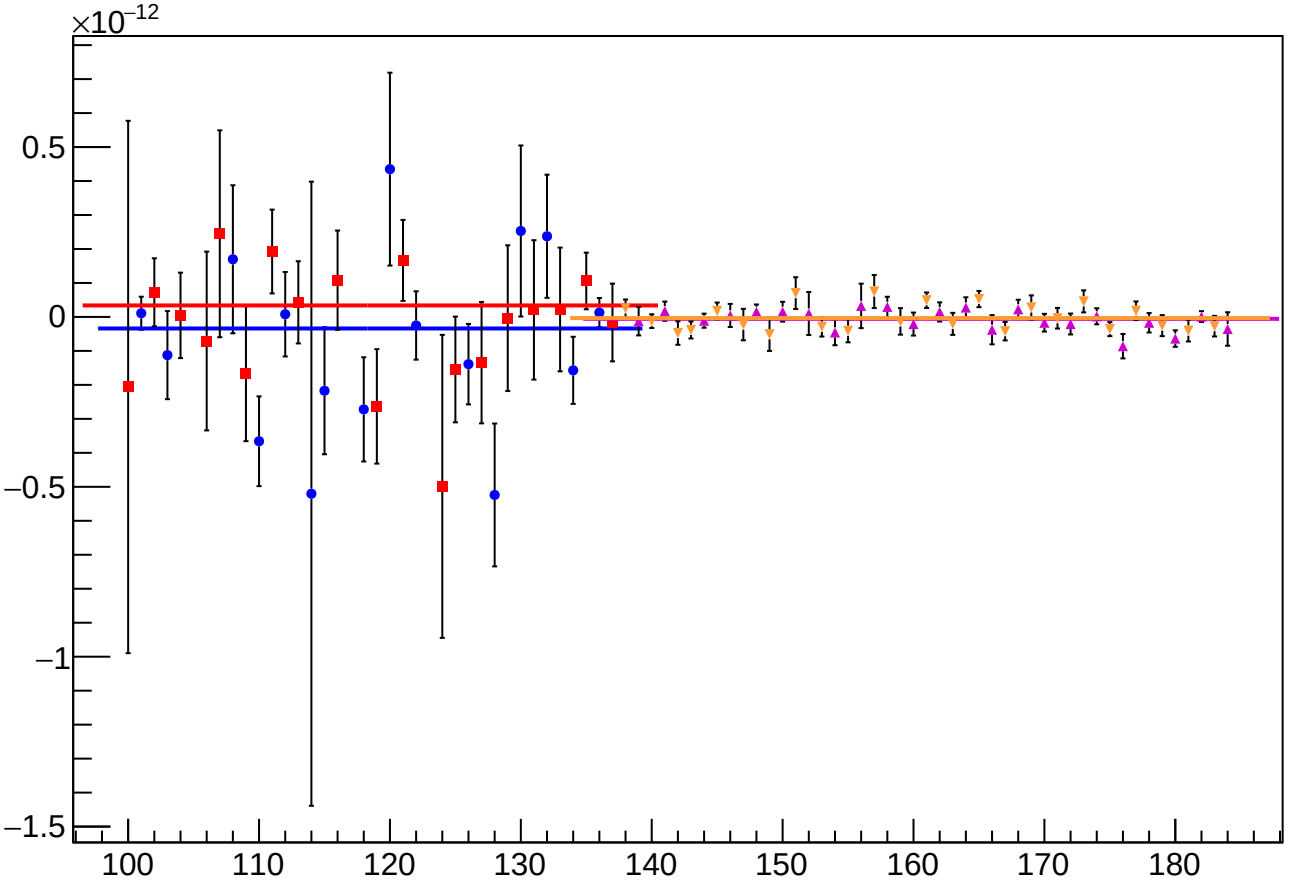
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 934.902+/-0.133 χ^2/NDF: 3240723.7/39

All: 940.262+/-0.095 χ^2/NDF: 6708628.5/81

- sign 945.880+/-0.137 χ^2/NDF: 3464600.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

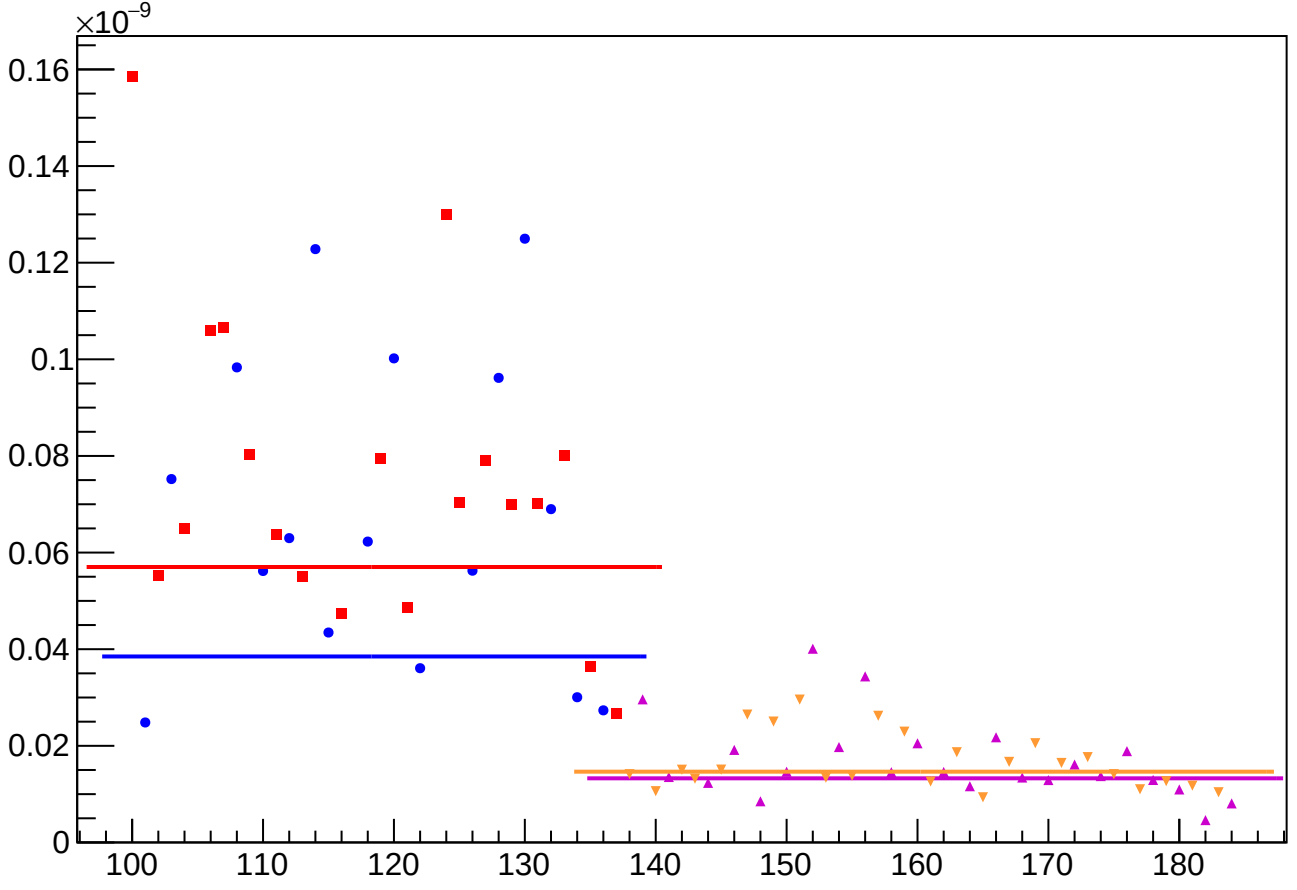
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.5/39

All: -0.000+/-0.000 χ^2/NDF: 99.4/81

- sign -0.000+/-0.000 χ^2/NDF: 34.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1055164.8/23

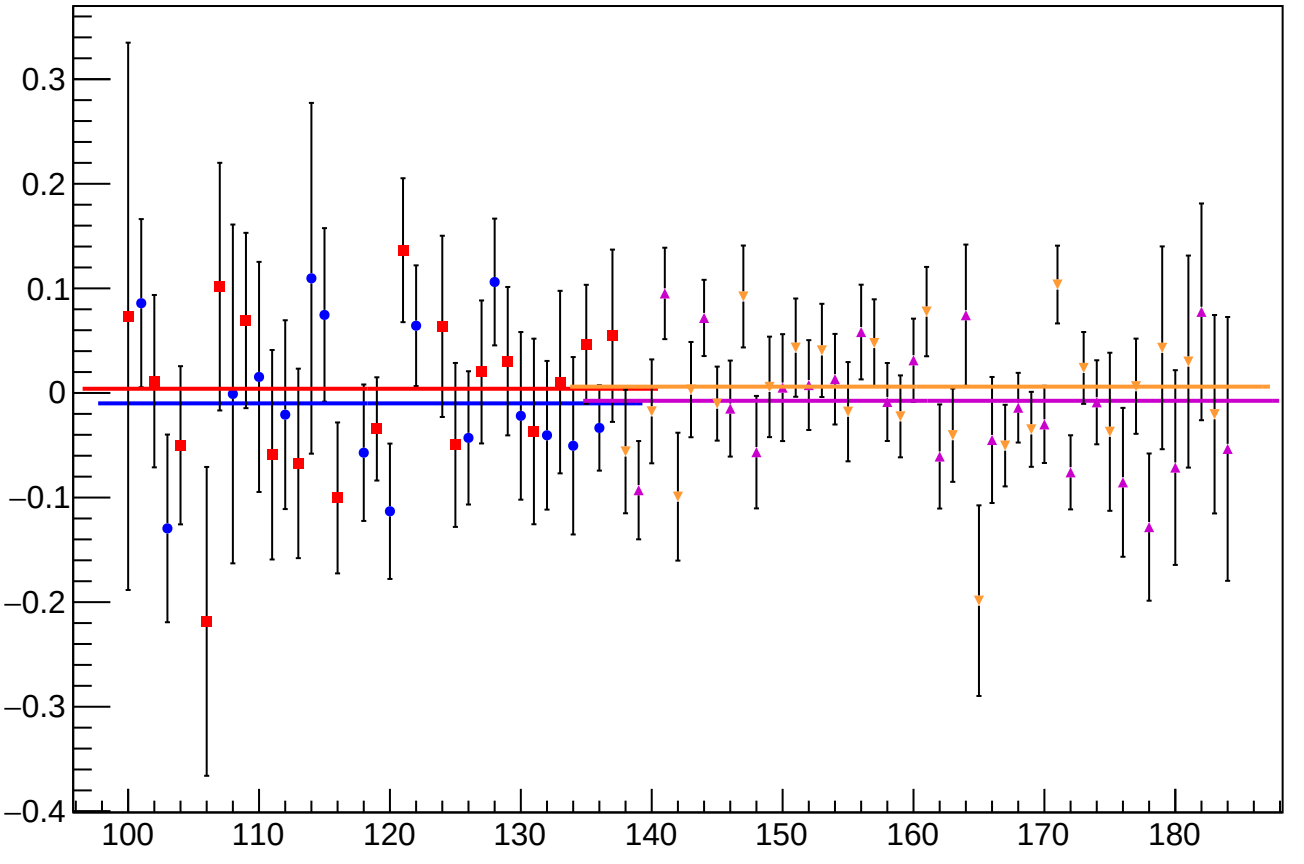
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4152560.3/39

All: 0.000+/-0.000 χ^2/NDF: 10085031.8/81

- sign 0.000+/-0.000 χ^2/NDF: 5880611.9/41



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

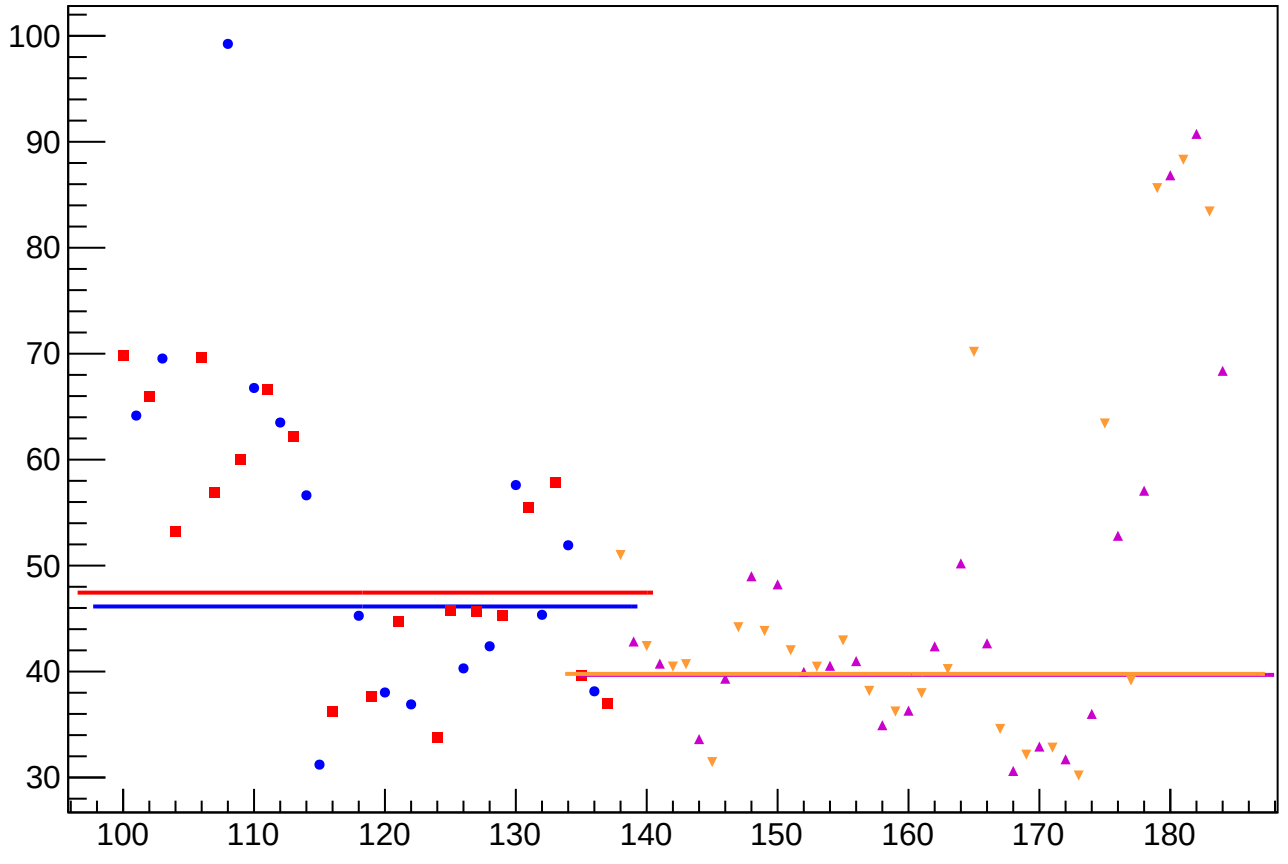
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.6/39

All: -0.001+/-0.006 χ^2/NDF: 90.6/81

- sign -0.005+/-0.009 χ^2/NDF: 44.6/41



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.781+/-0.007 χ^2/NDF:2356605.4/23

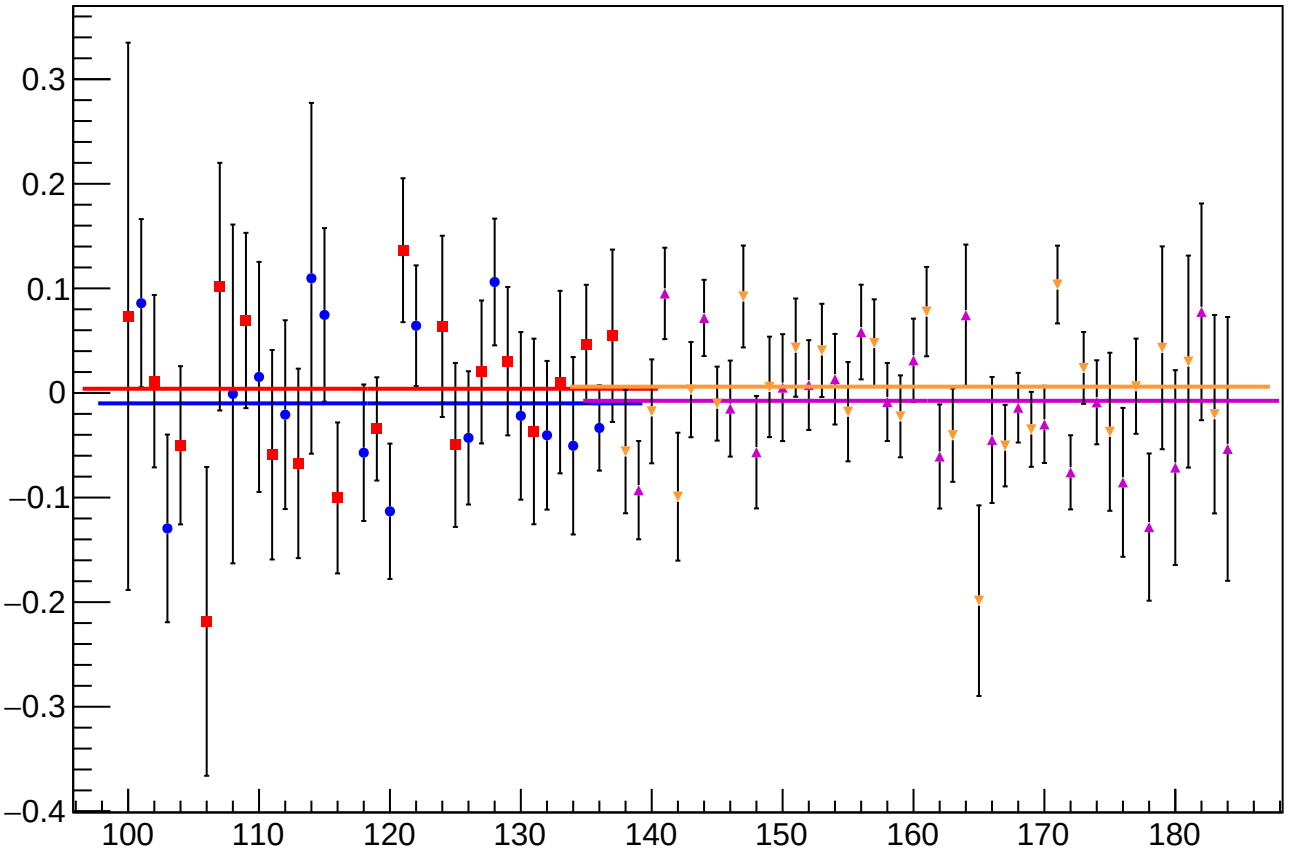
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.189+/-0.006 χ^2/NDF: 3454479.6/39

All: 41.312+/-0.004 χ^2/NDF: 6310992.8/81

- sign 41.440+/-0.006 χ^2/NDF: 2855646.7/41



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

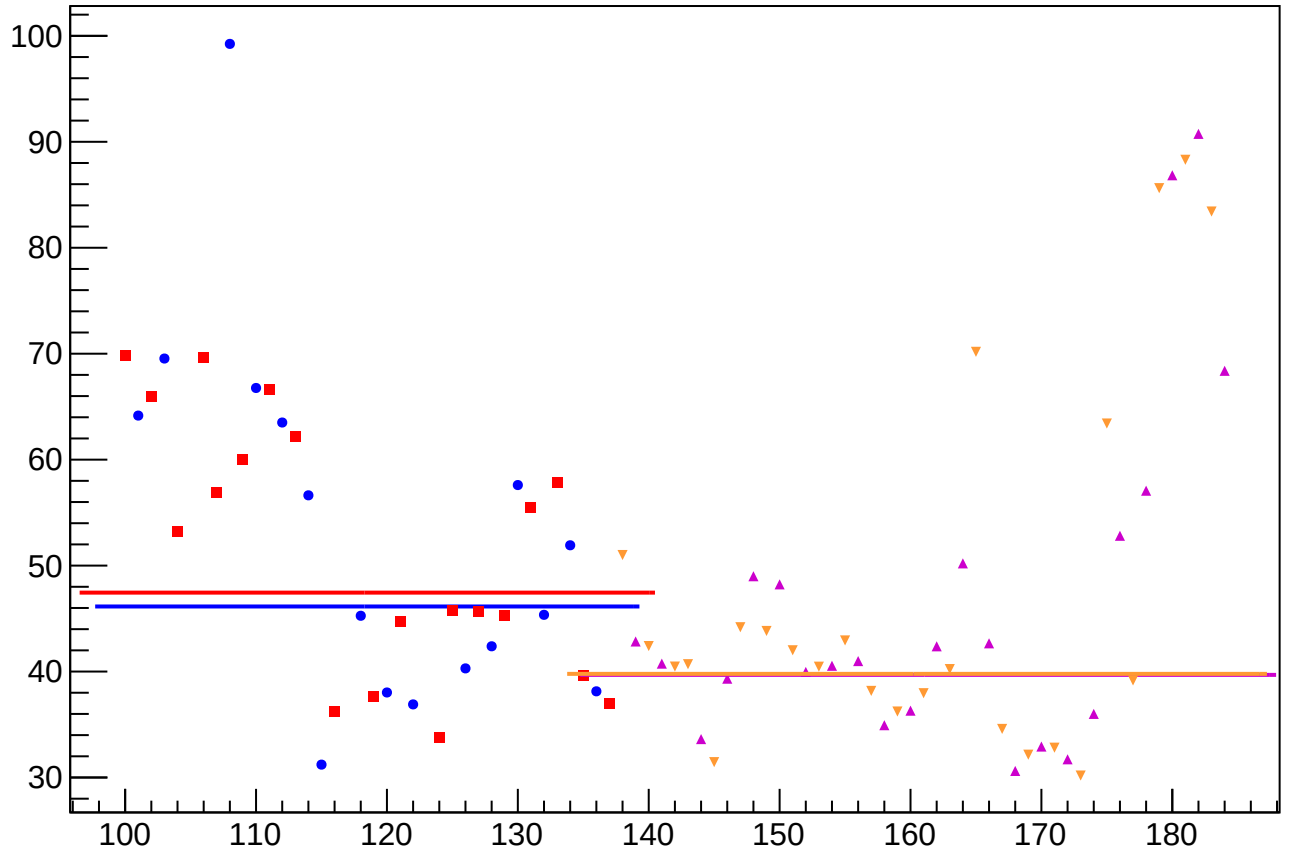
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.6/39

All: -0.001+/-0.006 χ^2/NDF: 90.6/81

- sign -0.005+/-0.009 χ^2/NDF: 44.6/41



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.781+/-0.007 χ^2/NDF:2356605.4/23

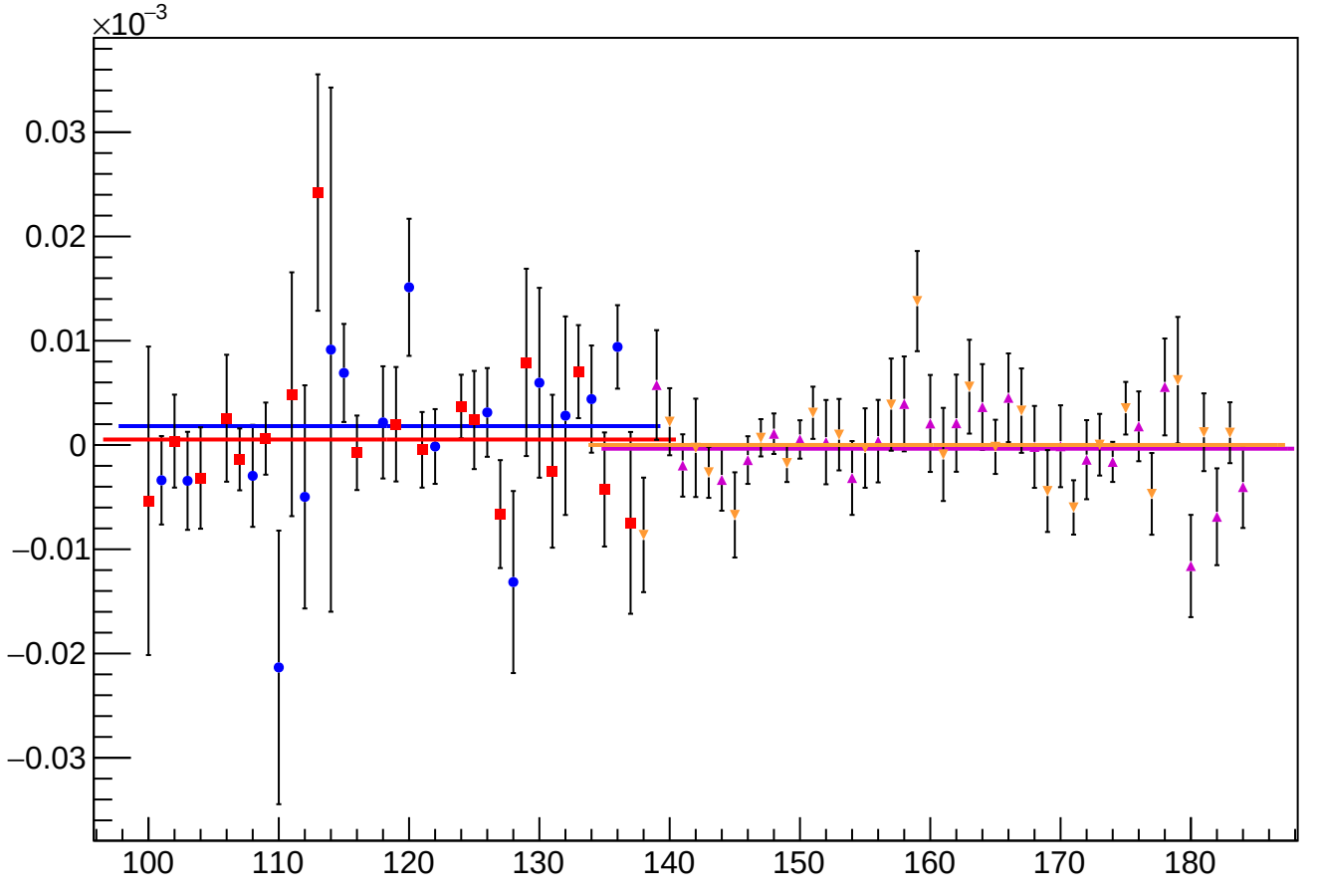
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.189+/-0.006 χ^2/NDF: 3454479.6/39

All: 41.312+/-0.004 χ^2/NDF: 6310992.8/81

- sign 41.440+/-0.006 χ^2/NDF: 2855646.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.0/23

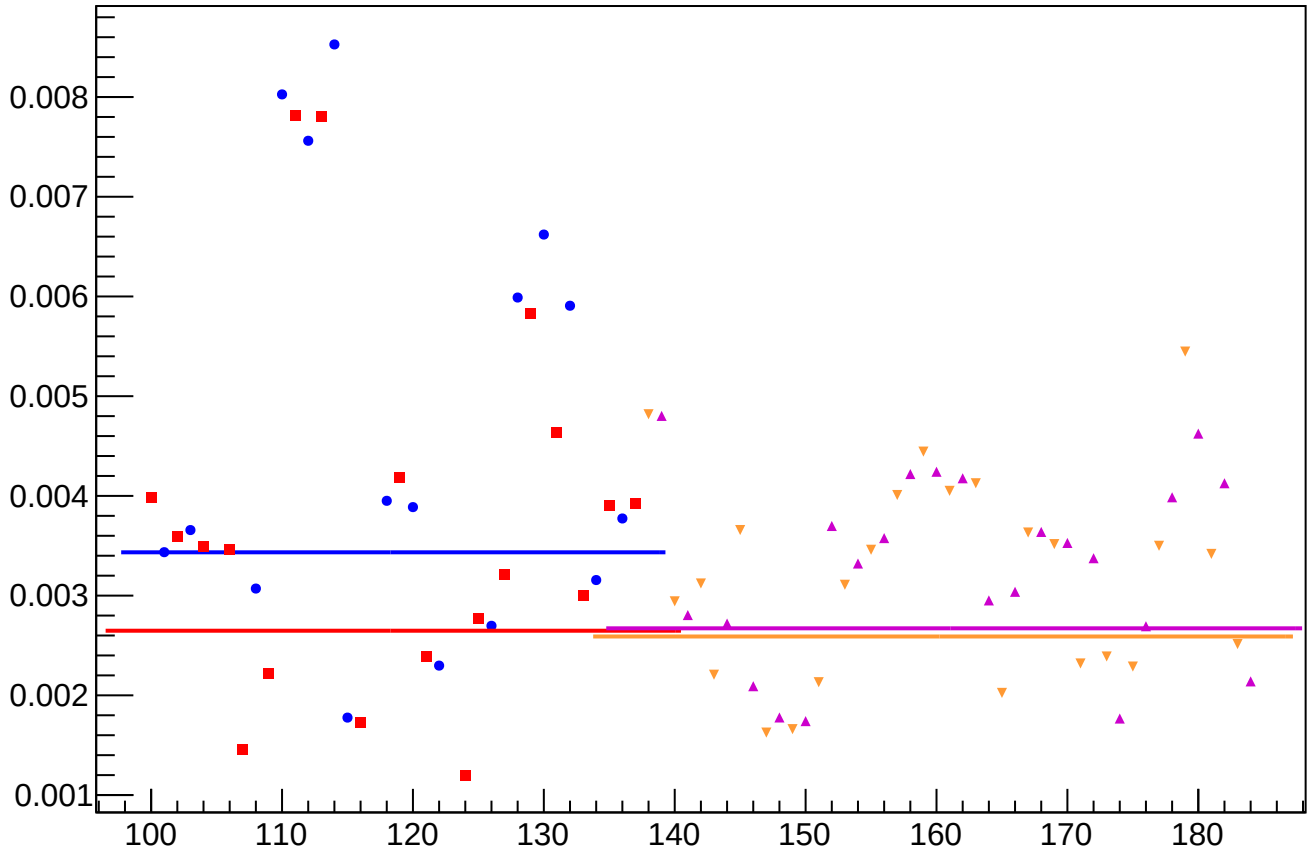
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/39

All: 0.000+/-0.000 χ^2/NDF: 86.6/81

- sign -0.000+/-0.000 χ^2/NDF: 33.0/41



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3884368.9/23

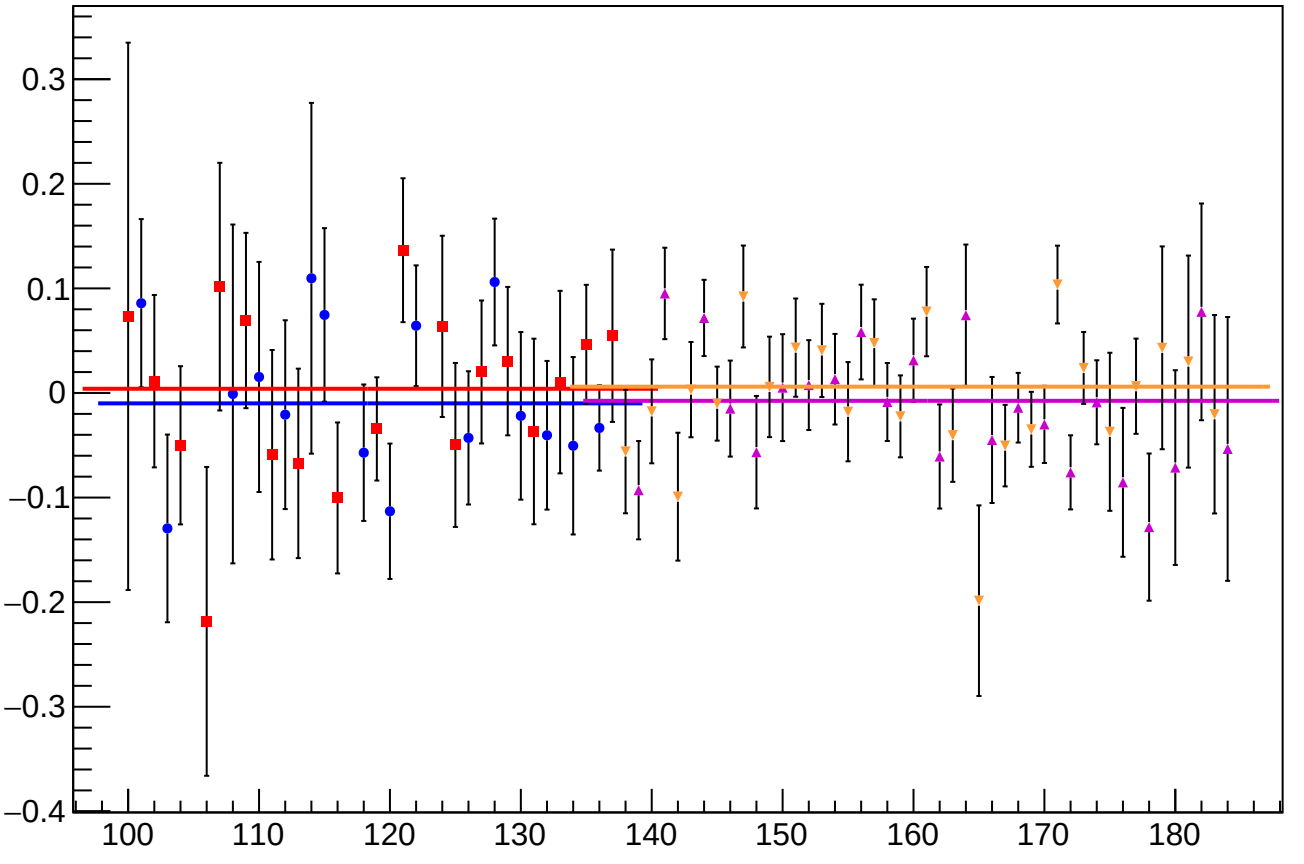
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 6257100.9/39

All: 0.003+/-0.000 χ^2/NDF: 12796439.1/81

- sign 0.003+/-0.000 χ^2/NDF: 6523241.1/41



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

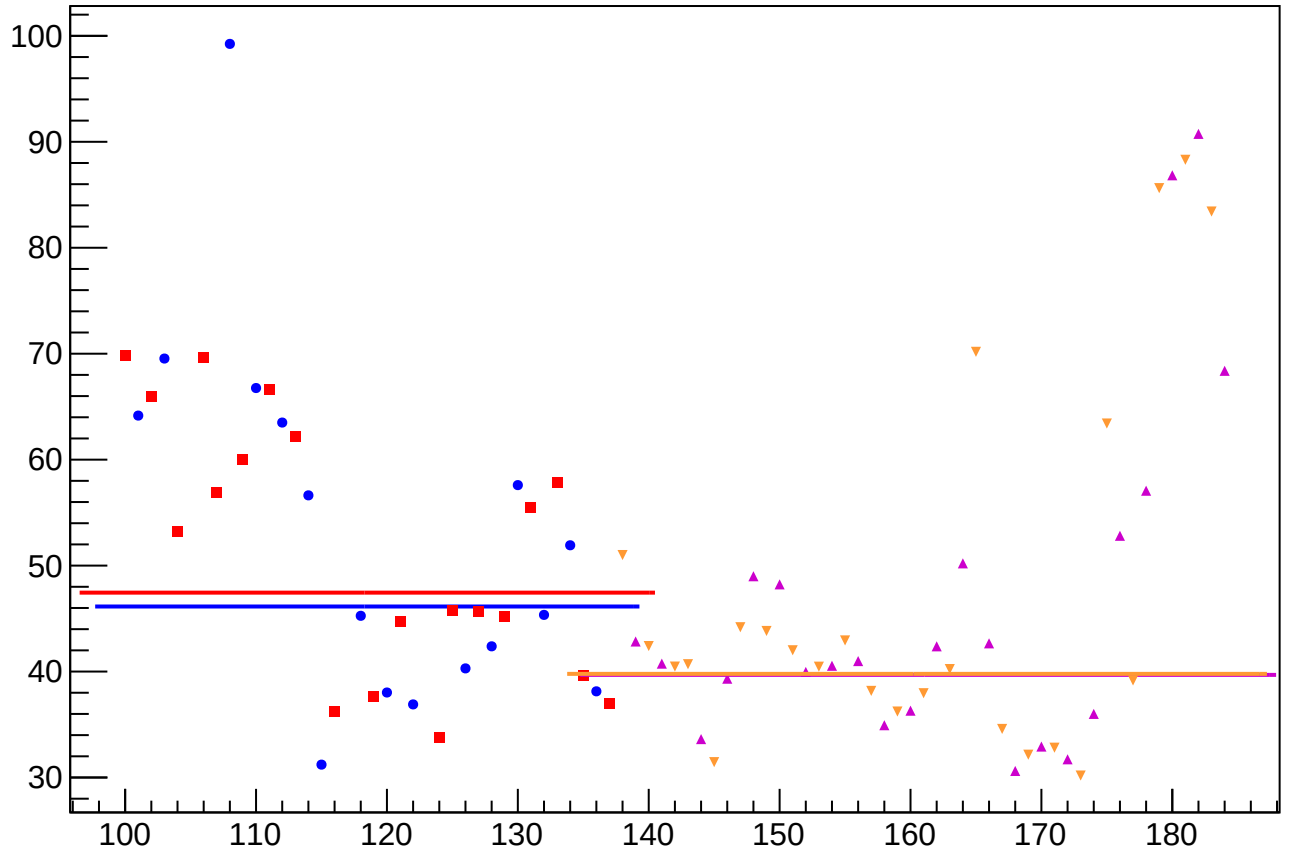
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.6/39

All: -0.001+/-0.006 χ^2/NDF: 90.6/81

- sign -0.005+/-0.009 χ^2/NDF: 44.6/41



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.782+/-0.007 χ^2/NDF:2356647.5/23

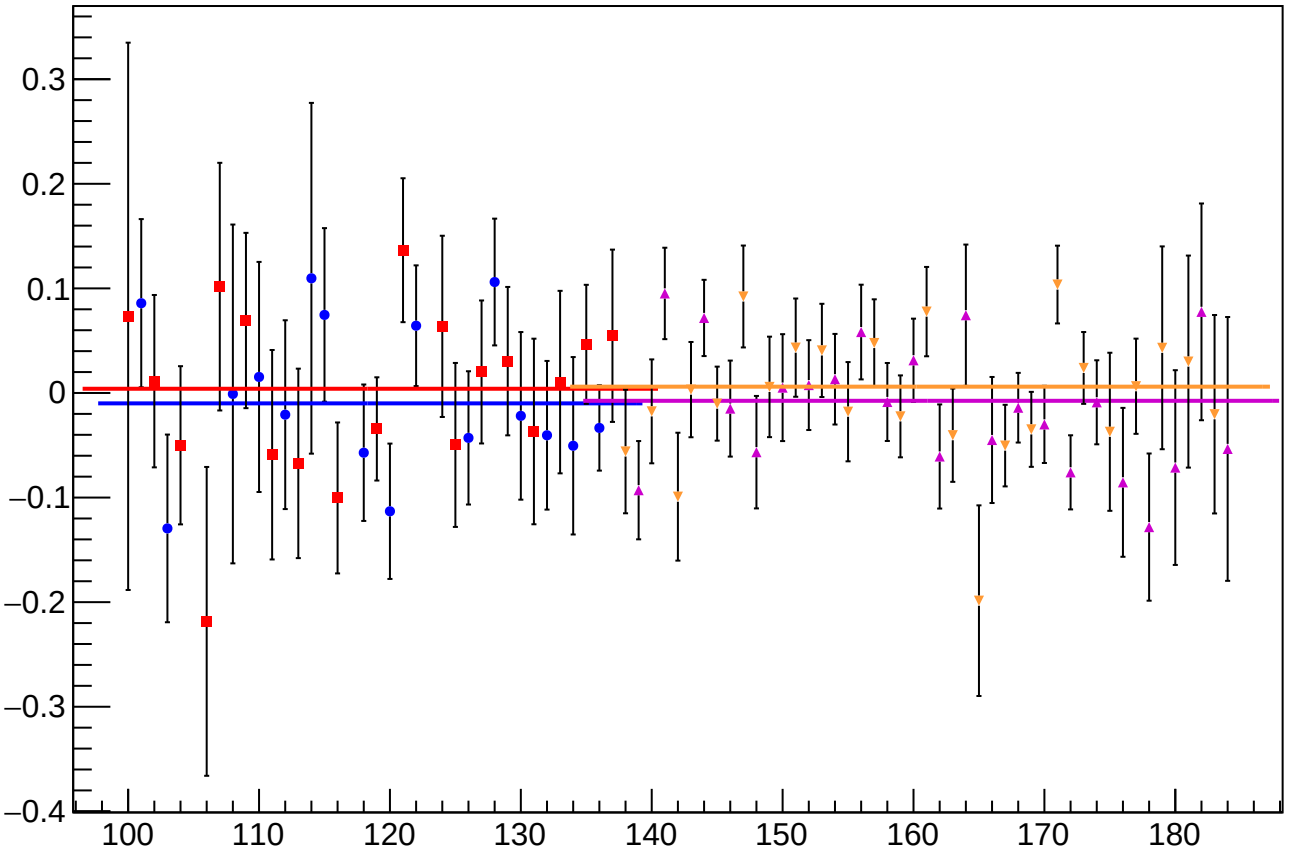
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.188+/-0.006 χ^2/NDF: 3454401.1/39

All: 41.312+/-0.004 χ^2/NDF: 6310874.1/81

- sign 41.439+/-0.006 χ^2/NDF: 2855607.5/41



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.7/23

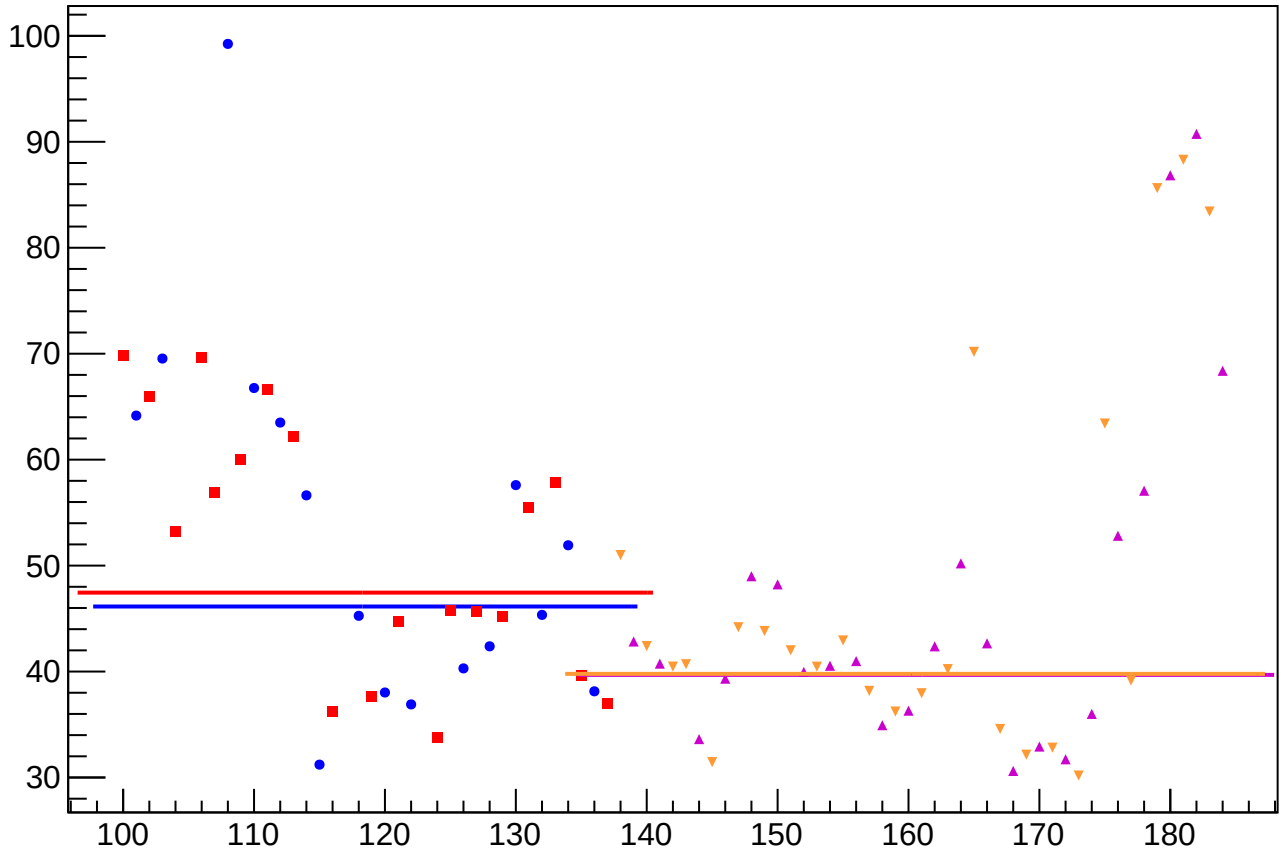
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.6/39

All: -0.001+/-0.006 χ^2/NDF: 90.6/81

- sign -0.005+/-0.009 χ^2/NDF: 44.6/41



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.782+/-0.007 χ^2/NDF:2356647.5/23

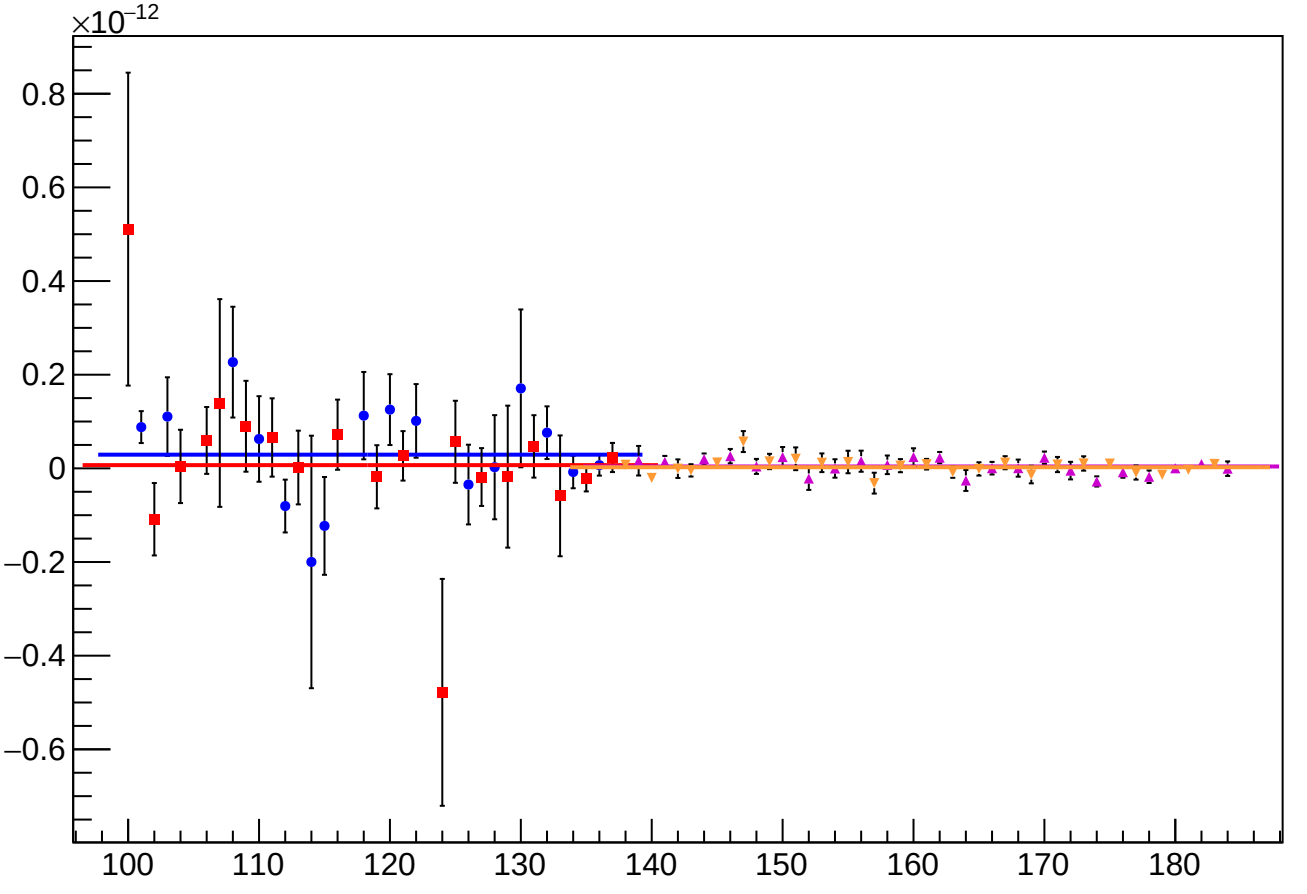
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.188+/-0.006 χ^2/NDF: 3454401.1/39

All: 41.312+/-0.004 χ^2/NDF: 6310874.1/81

- sign 41.439+/-0.006 χ^2/NDF: 2855607.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/23

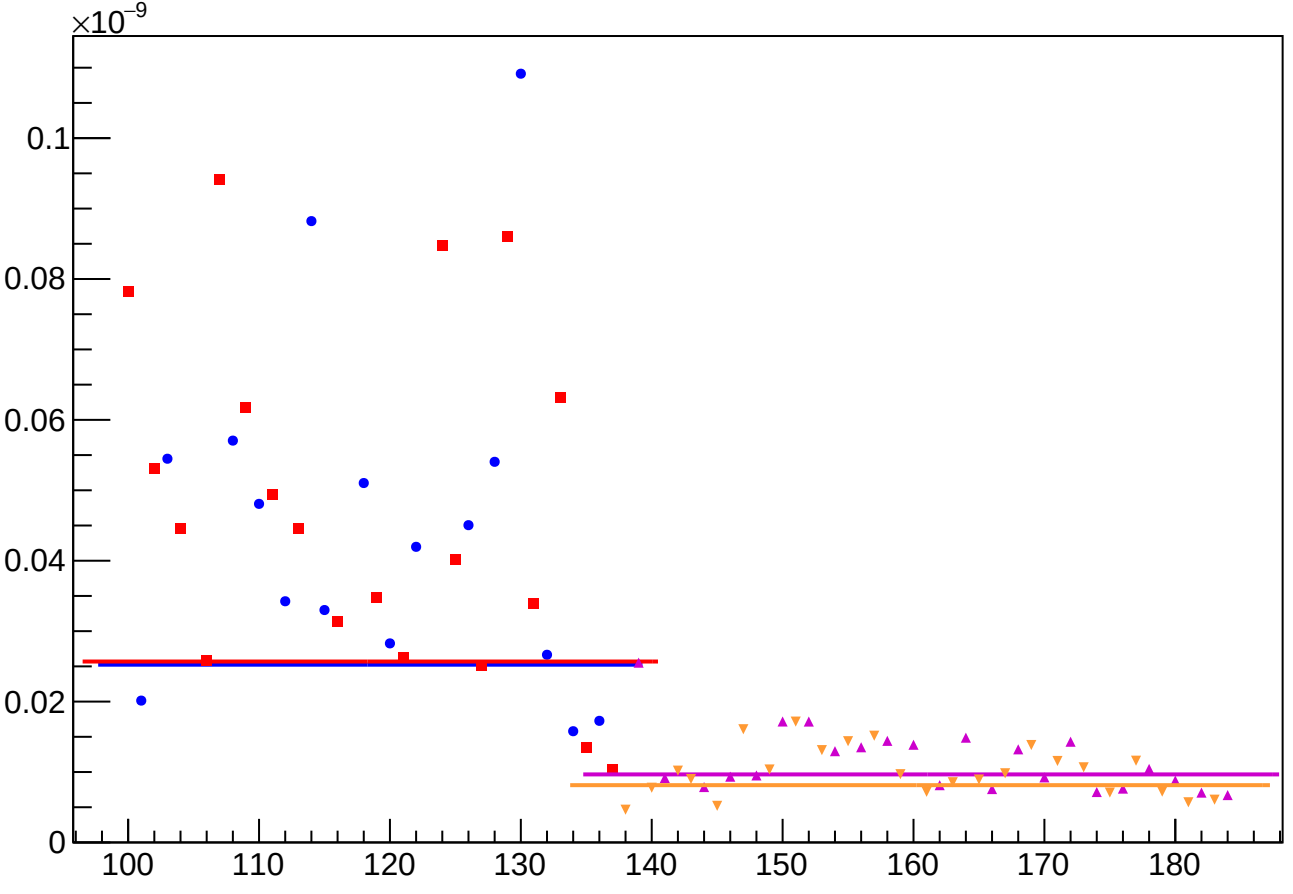
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.3/39

All: 0.000+/-0.000 χ^2/NDF: 90.1/81

- sign 0.000+/-0.000 χ^2/NDF: 41.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2354588.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

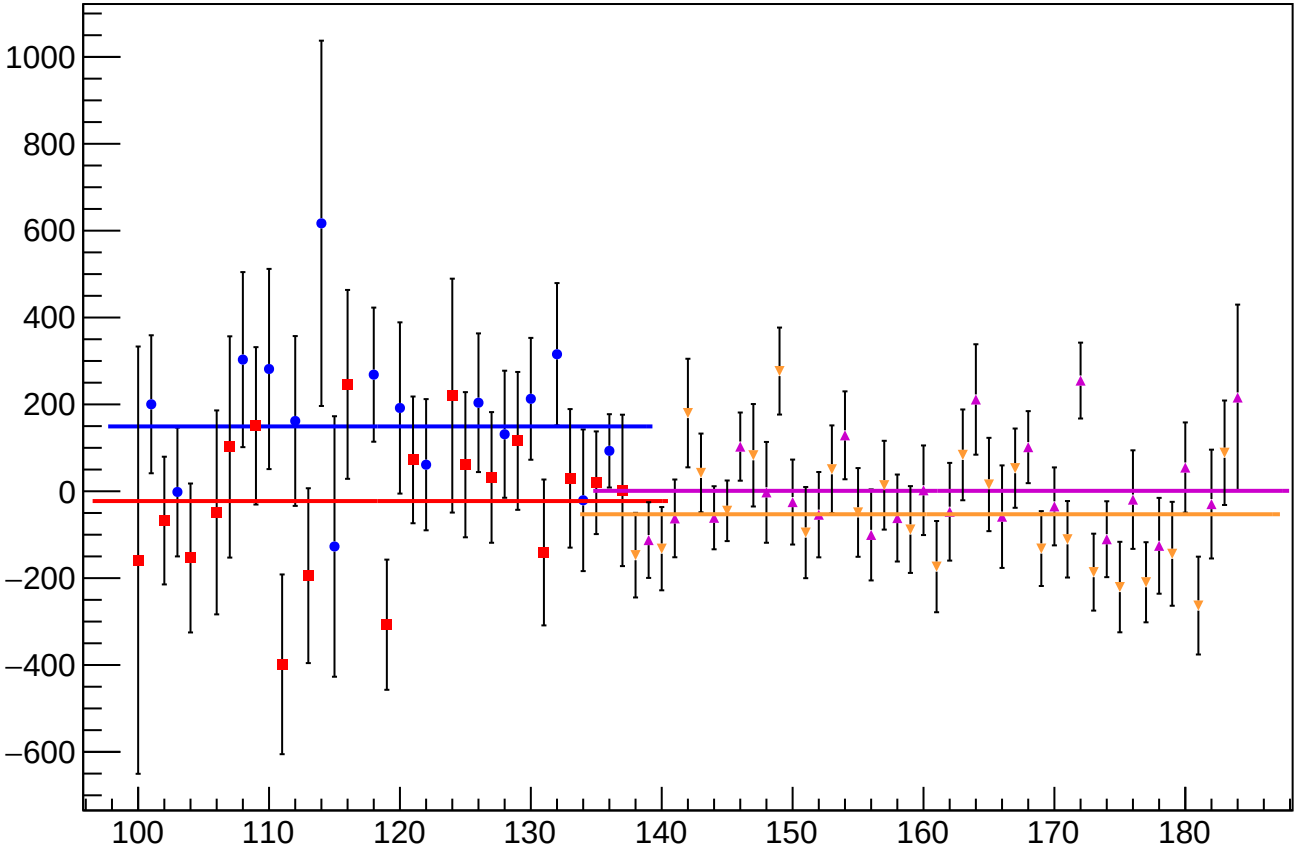
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7560208.0/39

All: 0.000+/-0.000 χ^2/NDF: 15178590.2/81

- sign 0.000+/-0.000 χ^2/NDF: 7285474.7/41

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

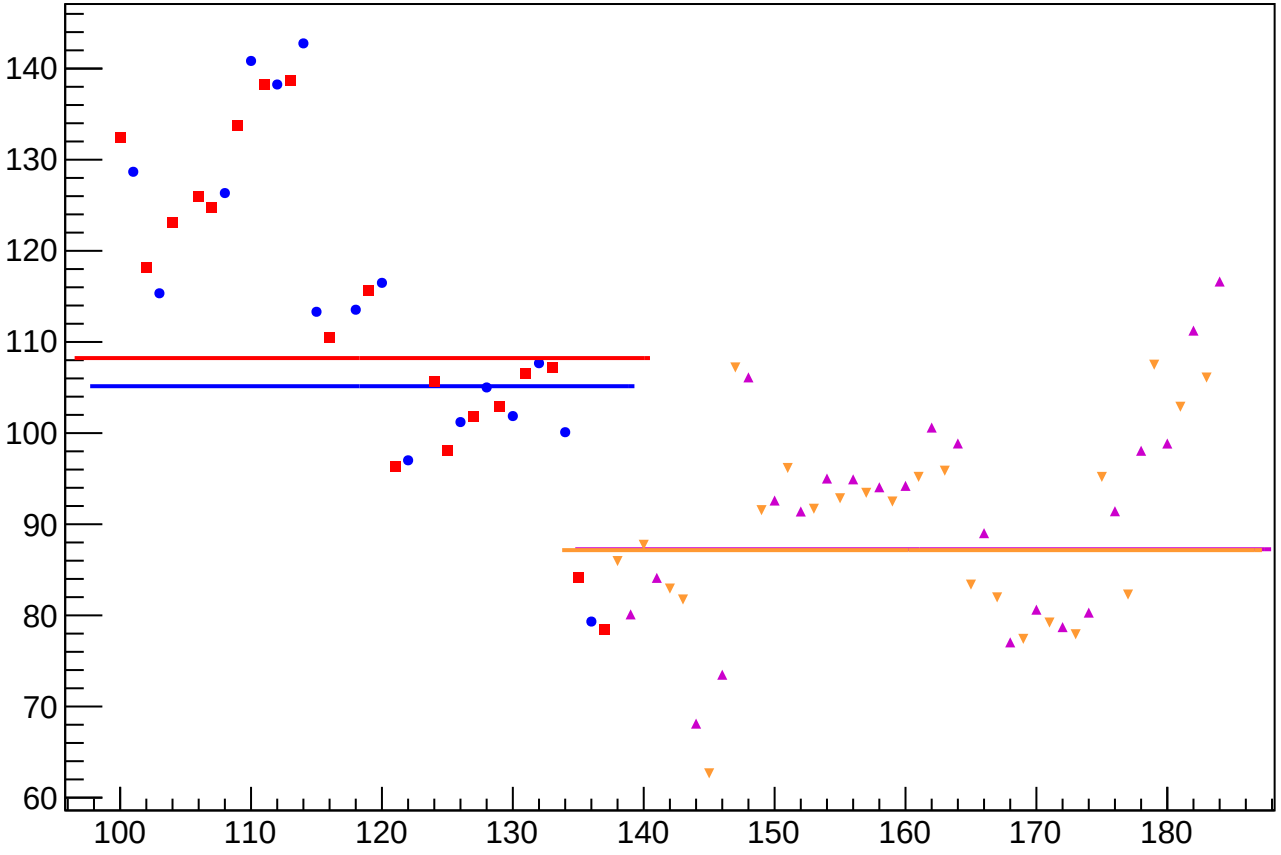
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -11.492+/-17.960 χ^2/NDF: 68.0/39

All: -7.787+/-12.827 χ^2/NDF: 108.1/81

- sign -3.929+/-18.326 χ^2/NDF: 40.0/41

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

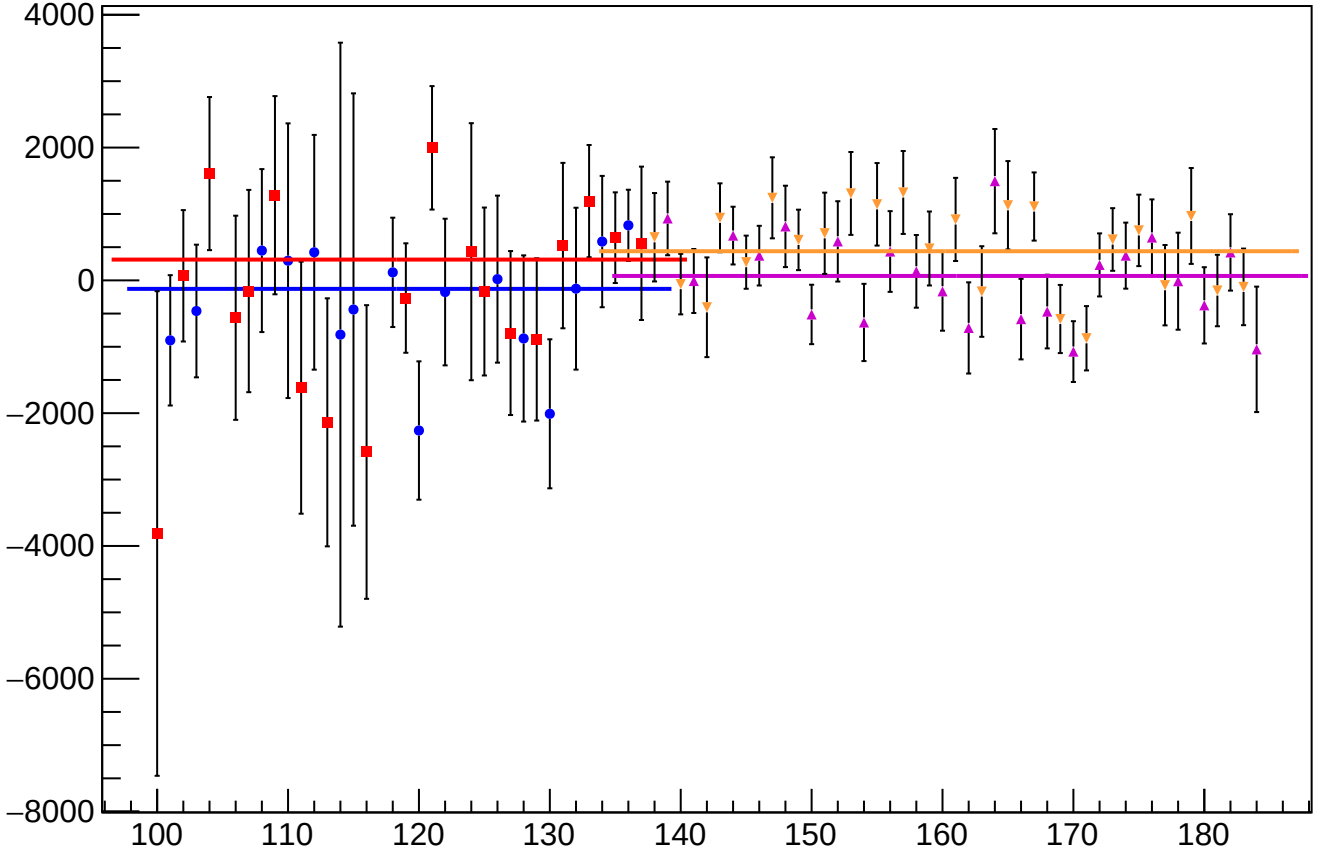
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.842+/-0.013 χ^2/NDF: 1353382.7/39

All: 91.232+/-0.009 χ^2/NDF: 2733989.1/81

- sign 91.638+/-0.013 χ^2/NDF: 1378683.9/41



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

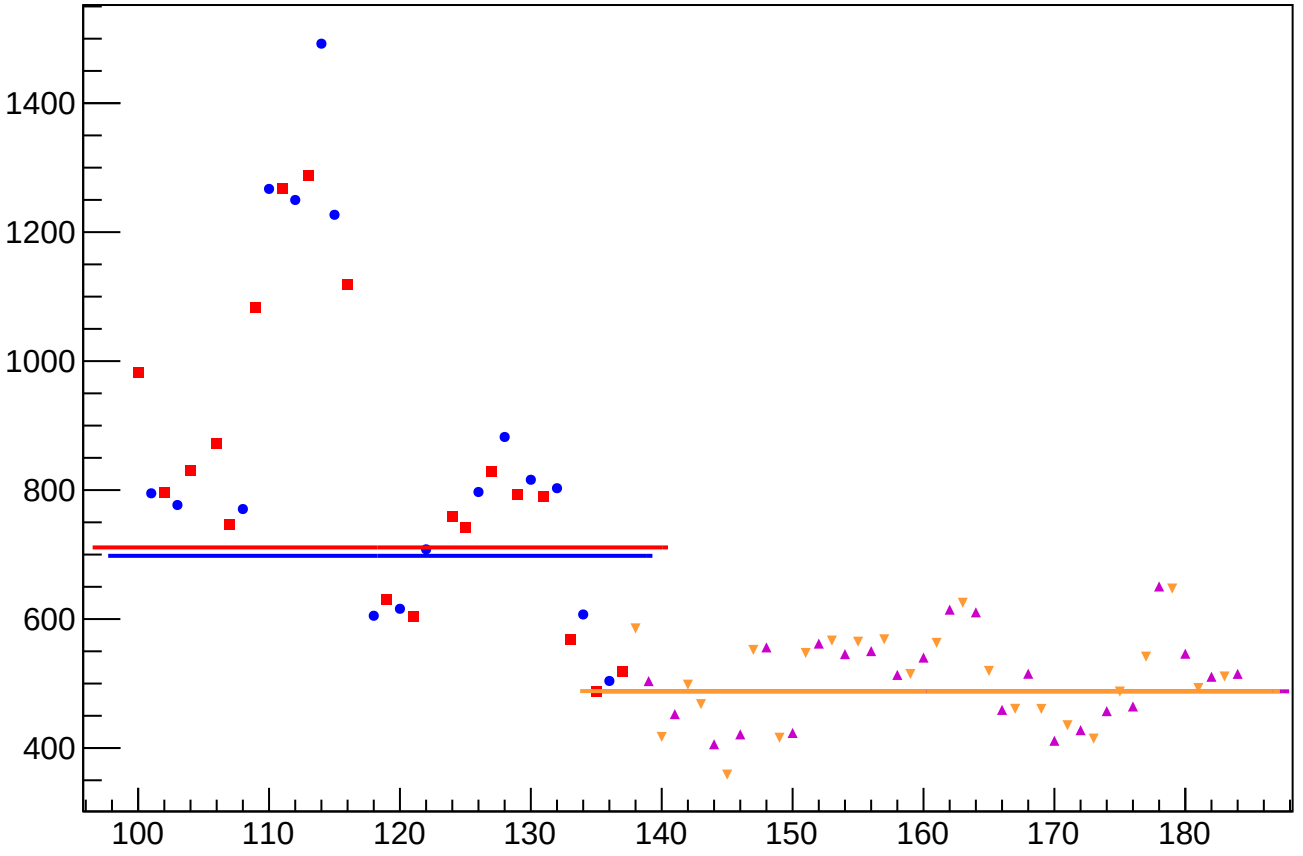
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 353.376+/-104.462 χ^2/NDF: 46.3/39

All: 231.020+/-74.451 χ^2/NDF: 92.3/81

- sign 104.707+/-106.137 χ^2/NDF: 43.2/41

asym_sam_26_48_dd_reg_correction_rms vs Slug



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

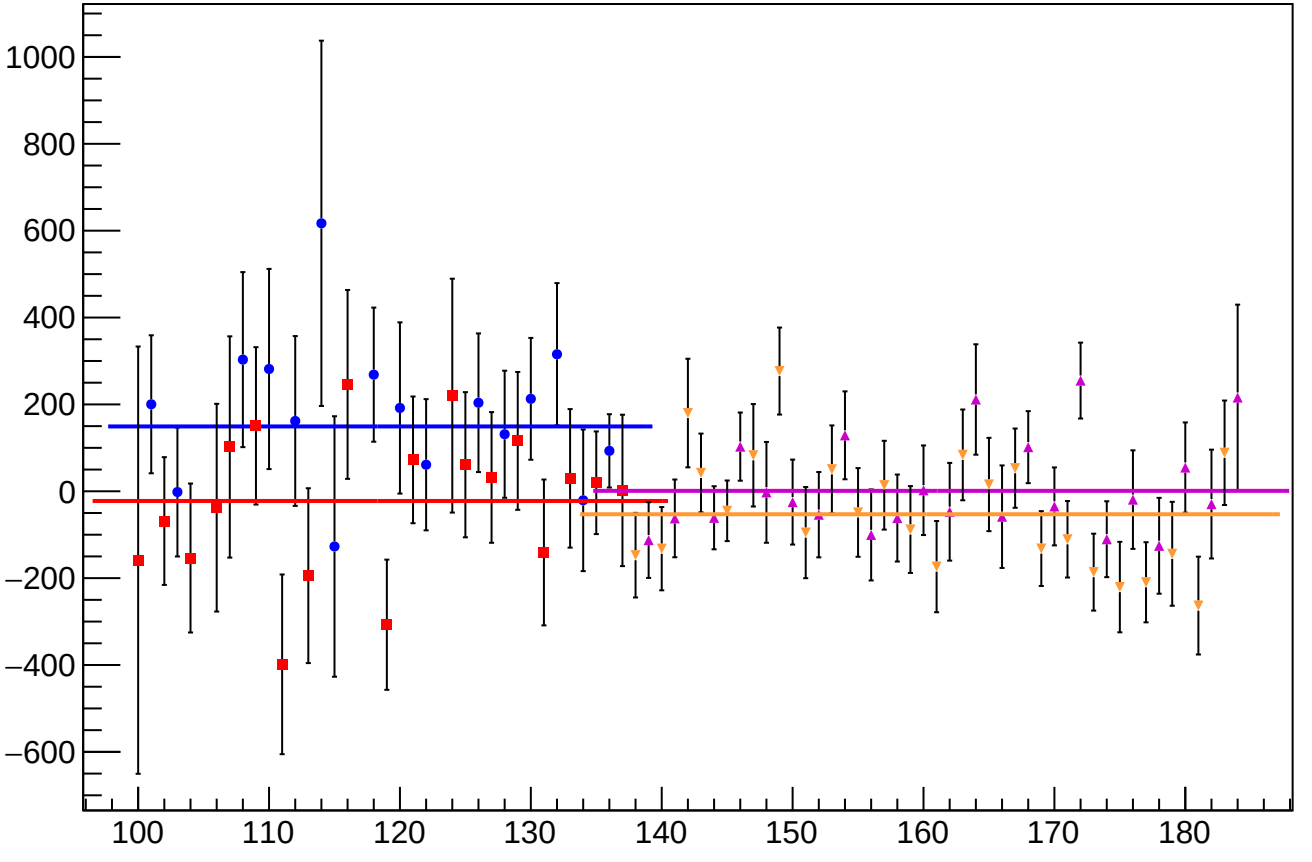
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

\+ sign 520.044+/-0.074 χ^2/NDF: 2755955.1/39

All: 521.194+/-0.053 χ^2/NDF: 5580035.5/81

\- sign 522.381+/-0.075 χ^2/NDF: 2823587.9/41

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

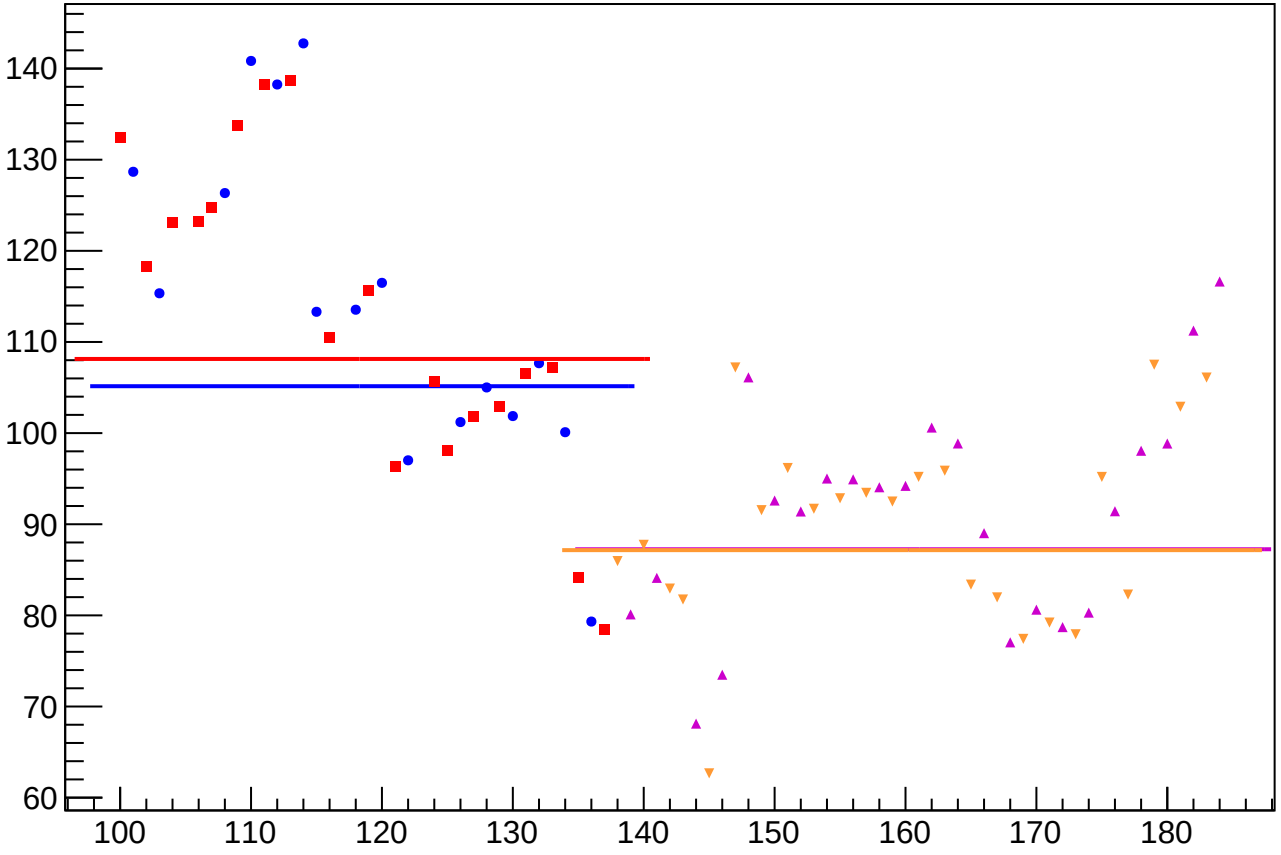
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -11.498+/-17.960 χ^2/NDF: 68.0/39

All: -7.762+/-12.828 χ^2/NDF: 108.1/81

- sign -3.871+/-18.328 χ^2/NDF: 39.9/41

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

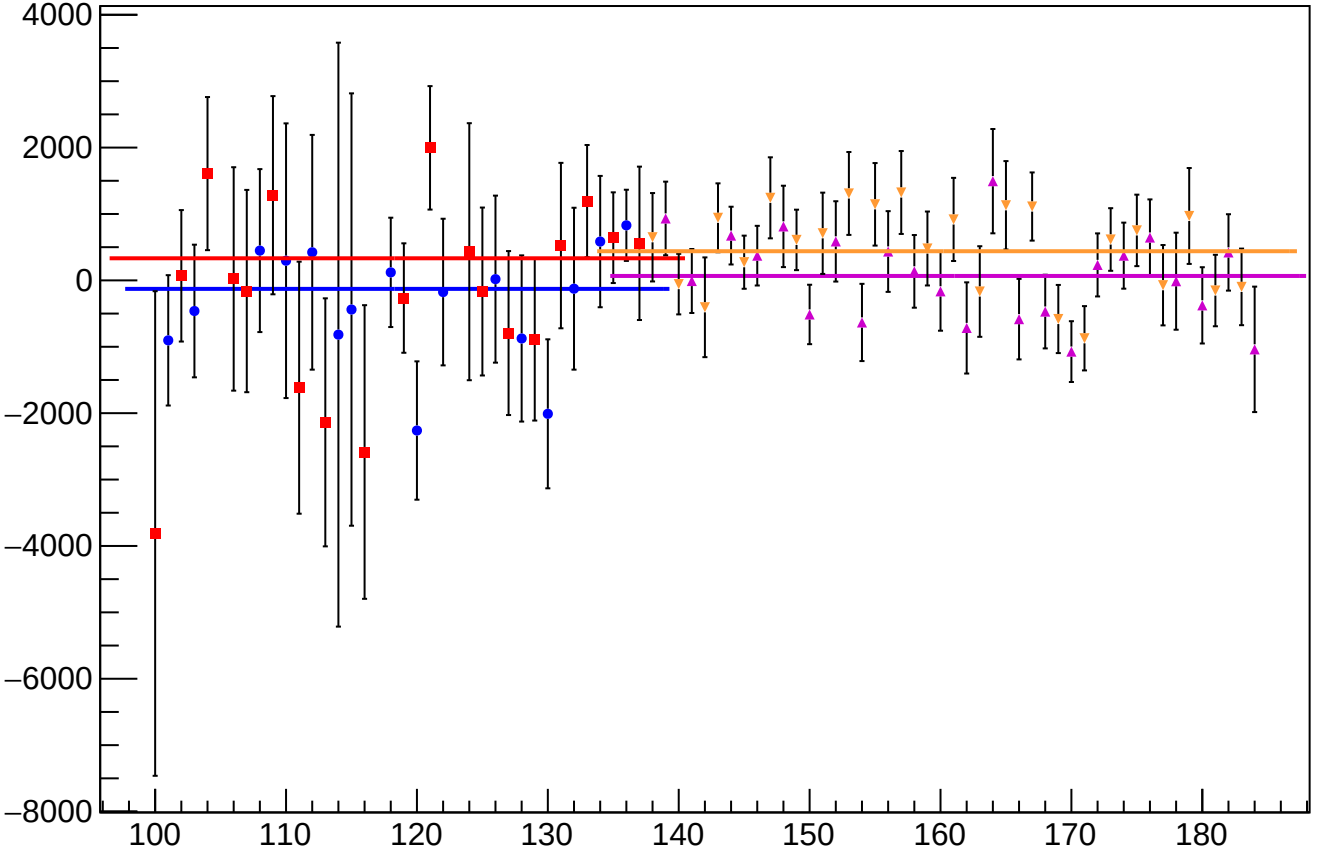
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.842+/-0.013 χ^2/NDF: 1353383.1/39

All: 91.220+/-0.009 χ^2/NDF: 2725917.7/81

- sign 91.614+/-0.013 χ^2/NDF: 1370726.2/41



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 439.157+/-113.387 χ^2/NDF:30.2/23

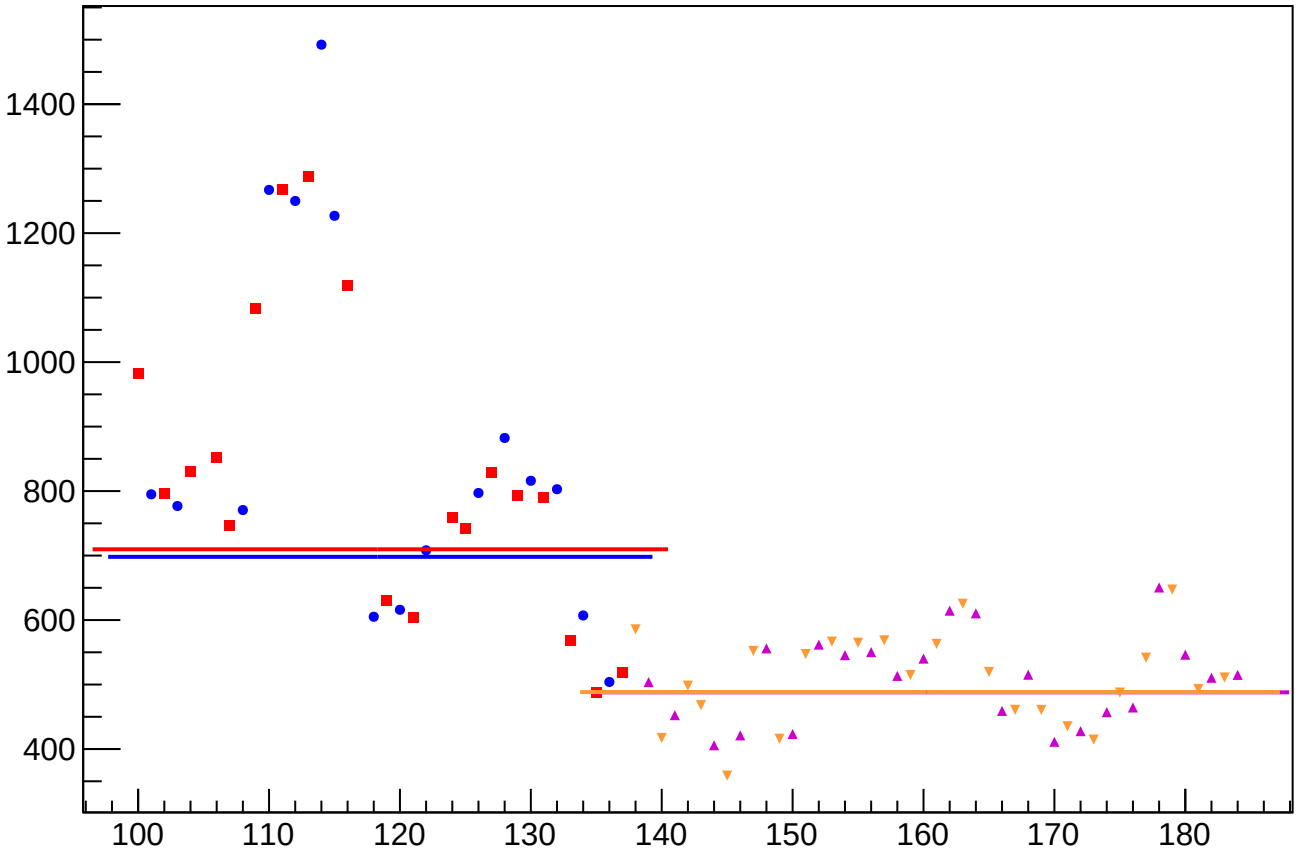
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 353.373+/-104.462 χ^2/NDF: 46.3/39

All: 232.469+/-74.465 χ^2/NDF: 92.1/81

- sign 107.557+/-106.179 χ^2/NDF: 43.0/41



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

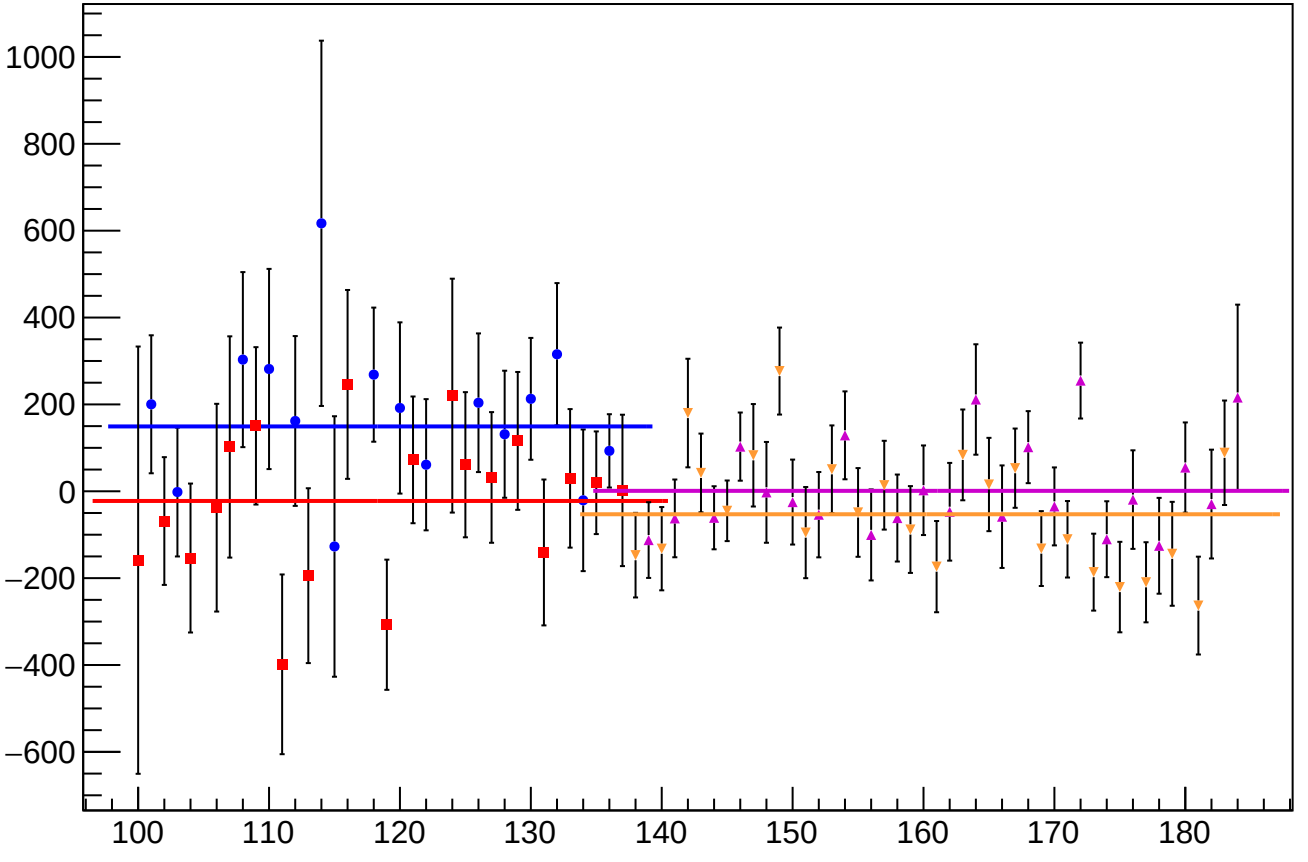
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 520.044+/-0.074 χ^2/NDF: 2755964.1/39

All: 521.018+/-0.053 χ^2/NDF: 5553078.2/81

- sign 522.023+/-0.075 χ^2/NDF: 2796760.9/41

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

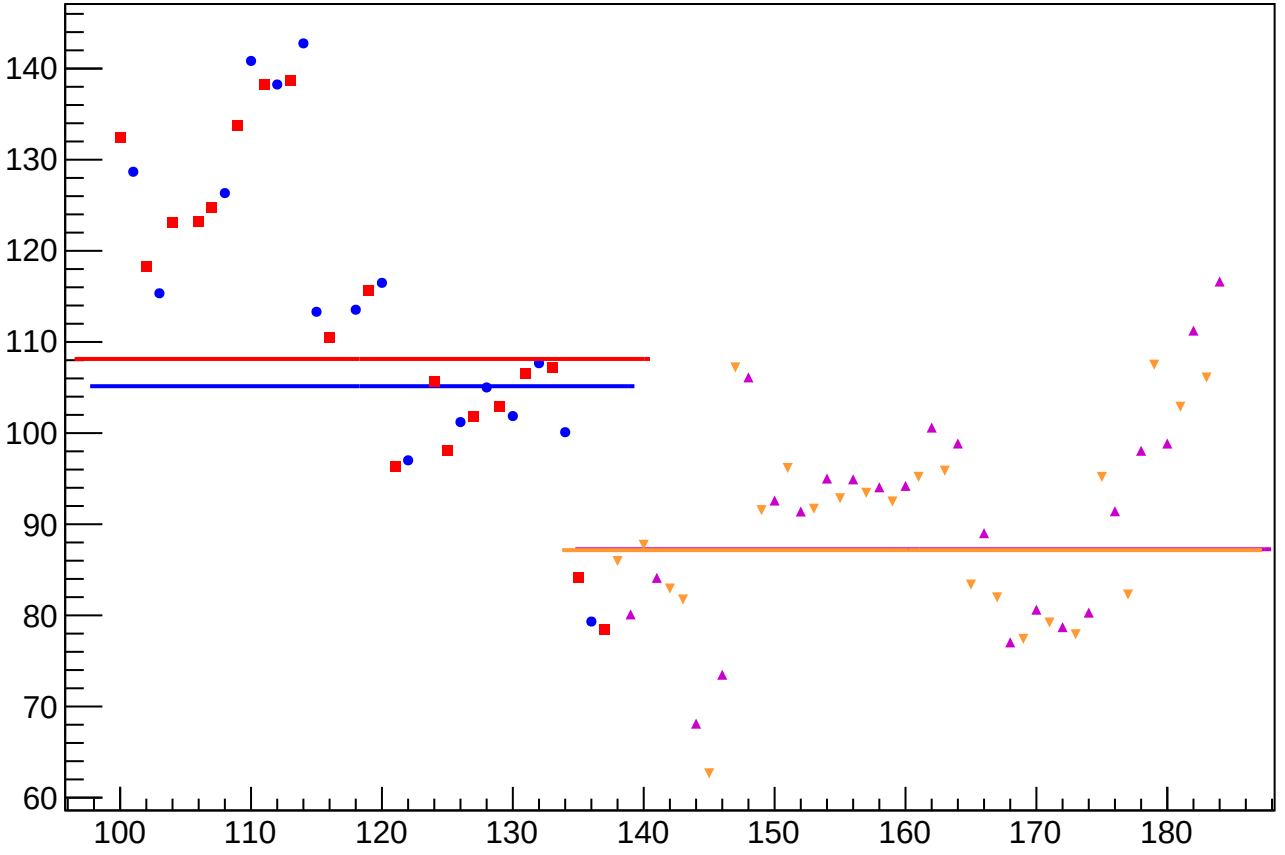
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -11.498+/-17.960 χ^2/NDF: 68.0/39

All: -7.762+/-12.828 χ^2/NDF: 108.1/81

- sign -3.871+/-18.328 χ^2/NDF: 39.9/41

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

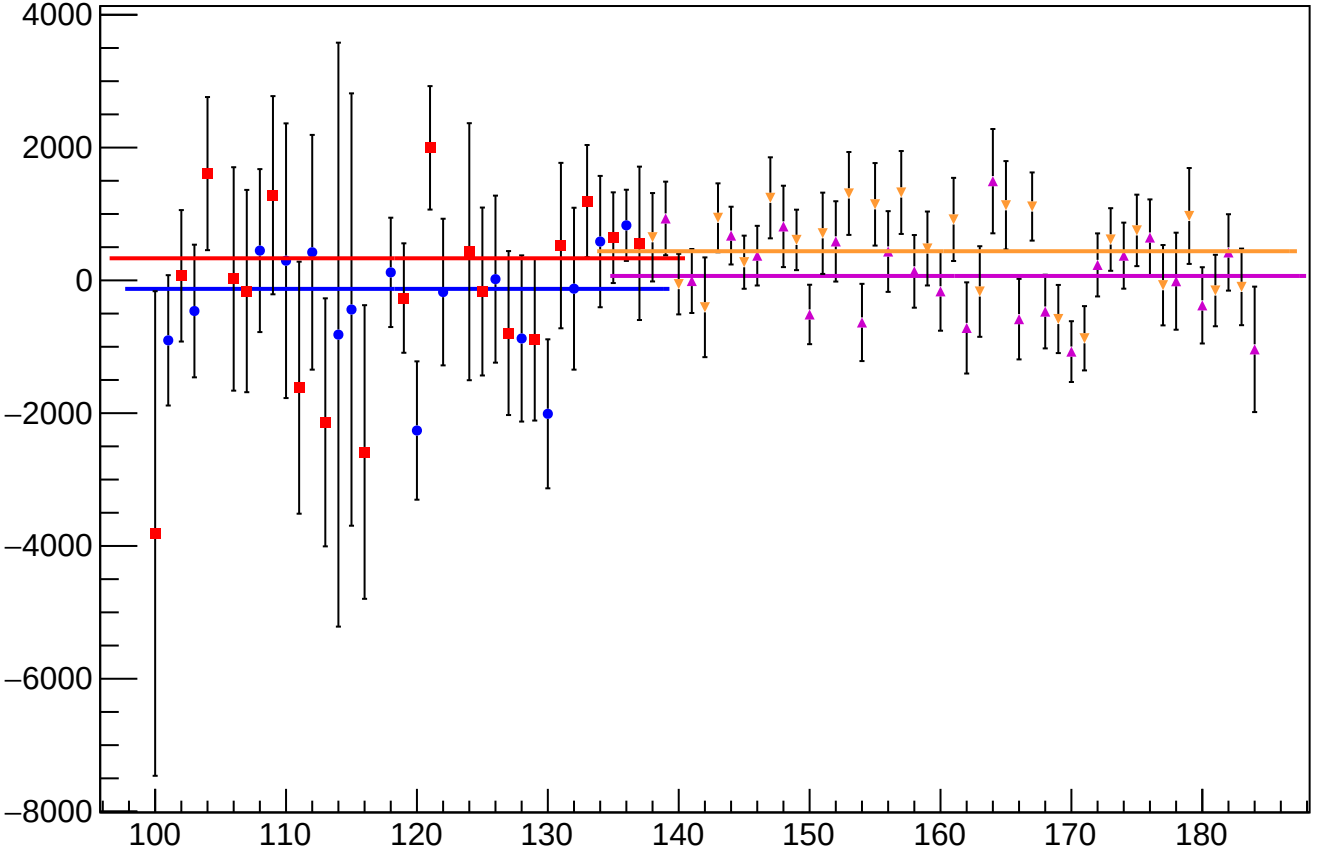
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.842+/-0.013 χ^2/NDF: 1353383.1/39

All: 91.220+/-0.009 χ^2/NDF: 2725917.7/81

- sign 91.614+/-0.013 χ^2/NDF: 1370726.2/41



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 439.157+/-113.387 χ^2/NDF:30.2/23

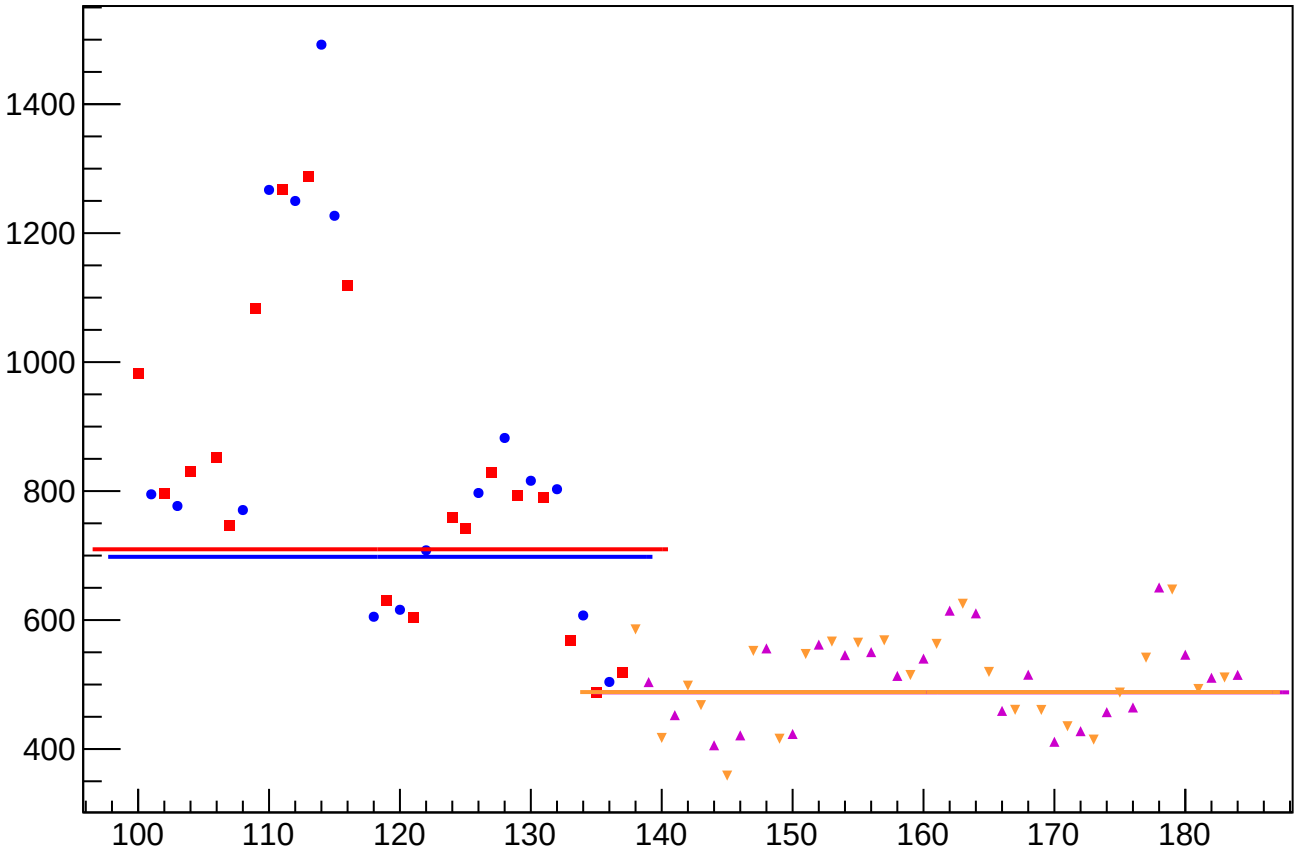
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 353.373+/-104.462 χ^2/NDF: 46.3/39

All: 232.469+/-74.465 χ^2/NDF: 92.1/81

- sign 107.557+/-106.179 χ^2/NDF: 43.0/41



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

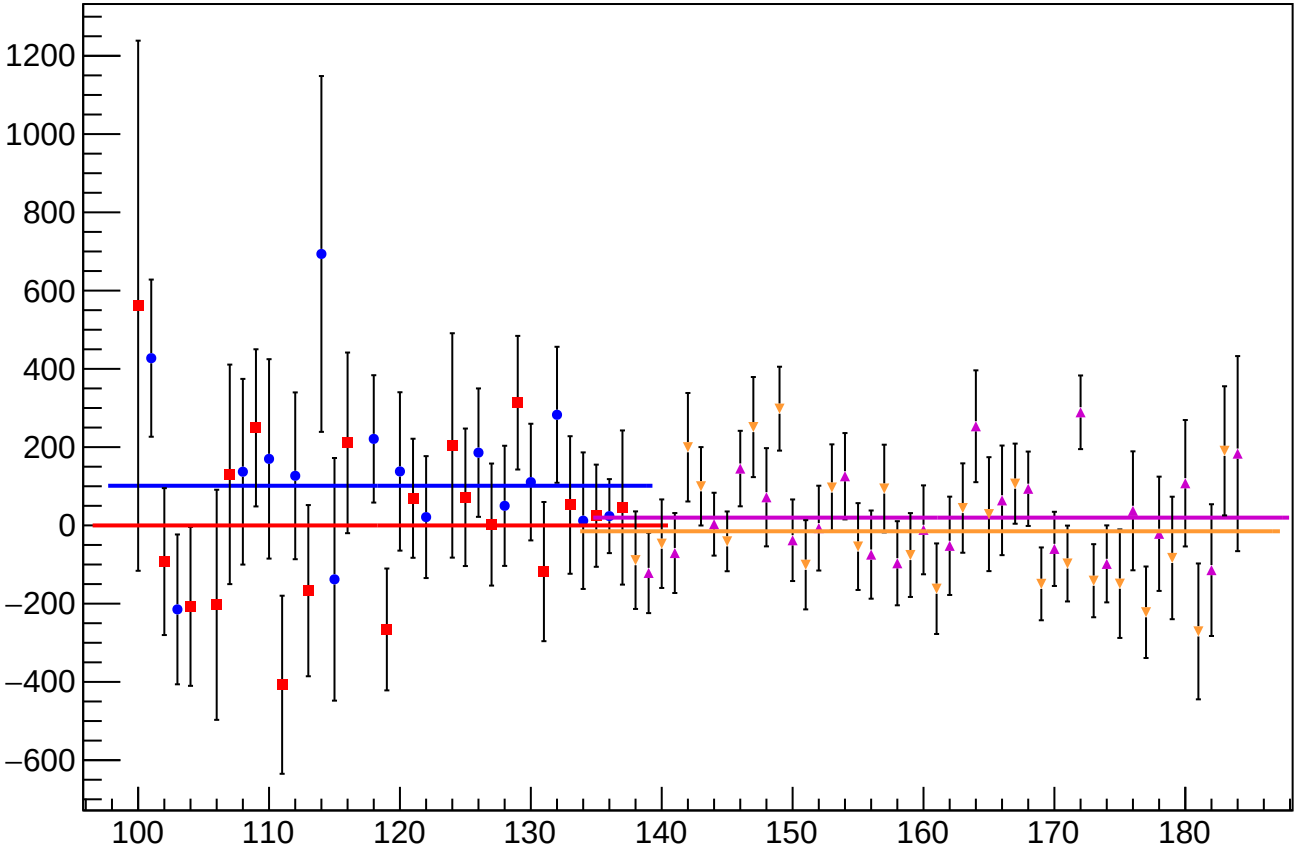
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 520.044+/-0.074 χ^2/NDF: 2755964.1/39

All: 521.018+/-0.053 χ^2/NDF: 5553078.2/81

- sign 522.023+/-0.075 χ^2/NDF: 2796760.9/41

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

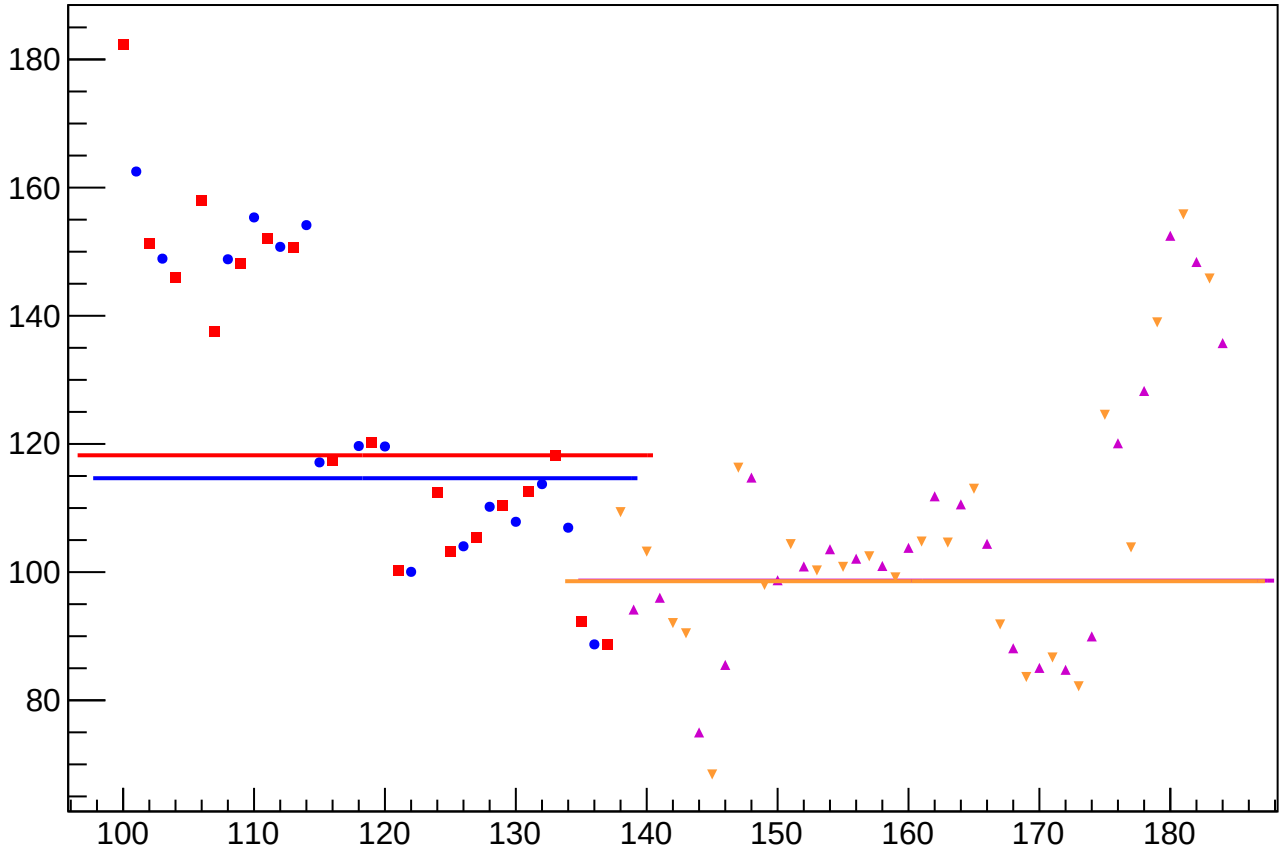
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 10.407+/-20.349 χ^2/NDF: 52.7/39

All: 12.834+/-14.539 χ^2/NDF: 92.8/81

- sign 15.366+/-20.781 χ^2/NDF: 40.1/41

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 98.583+/-0.016 χ^2/NDF:1166536.3/23

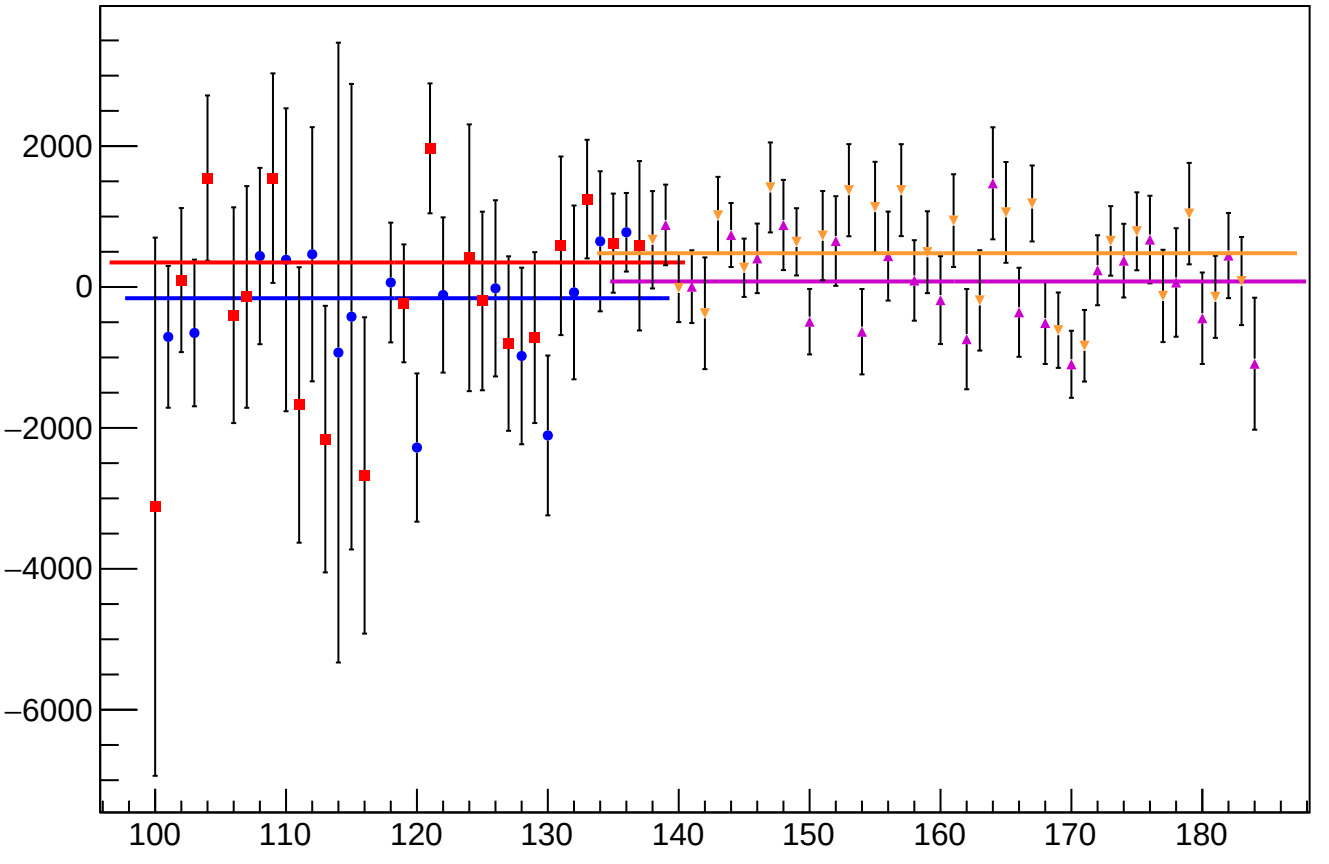
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.098+/-0.014 χ^2/NDF: 1911710.7/39

All: 102.554+/-0.010 χ^2/NDF: 3691637.6/81

- sign 103.029+/-0.015 χ^2/NDF: 1777880.3/41



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

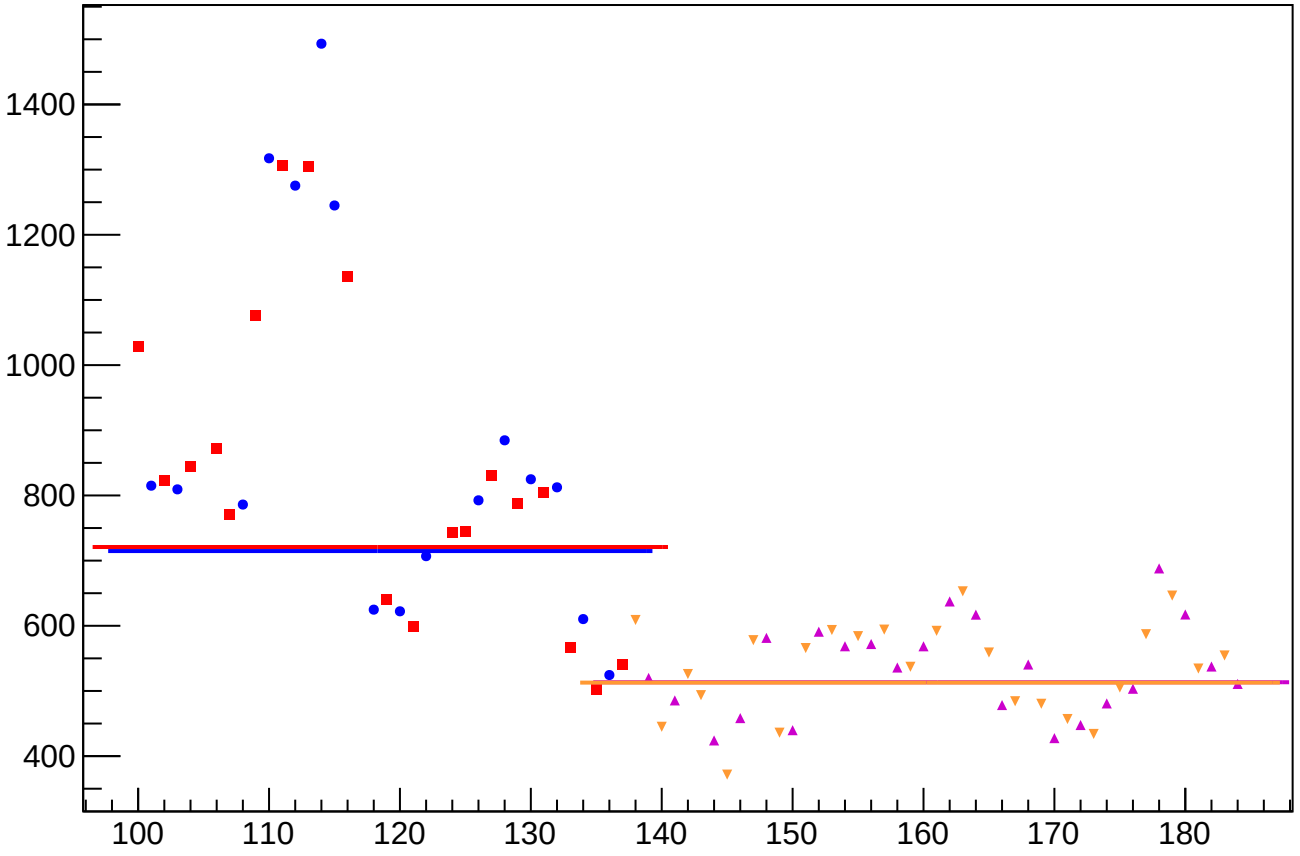
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 378.463+/-109.140 χ^2/NDF: 45.2/39

All: 252.974+/-77.821 χ^2/NDF: 89.3/81

\- sign 123.185+/-110.994 χ^2/NDF: 41.3/41

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

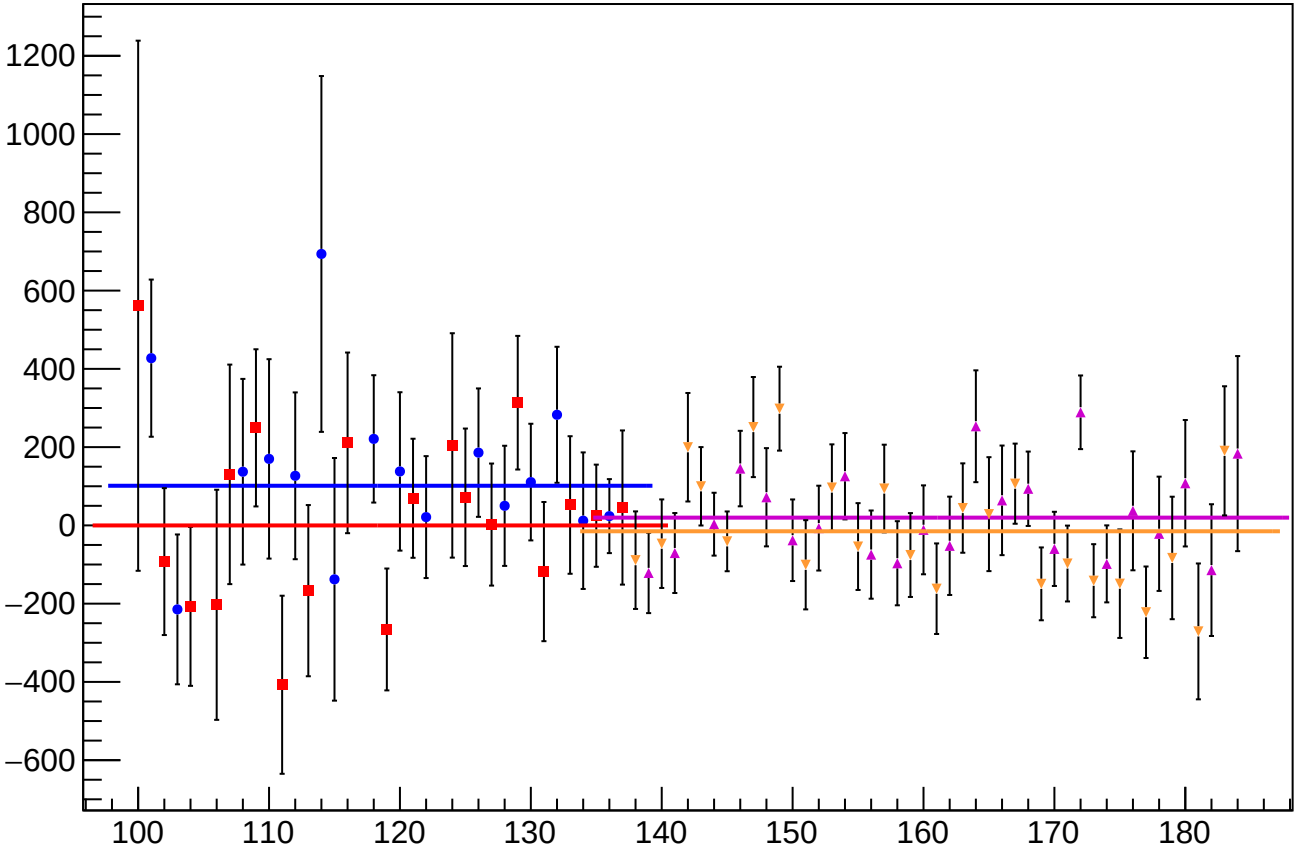
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 544.707+/-0.077 χ^2/NDF: 2585662.3/39

All: 546.093+/-0.055 χ^2/NDF: 5199911.9/81

- sign 547.527+/-0.078 χ^2/NDF: 2613593.2/41

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

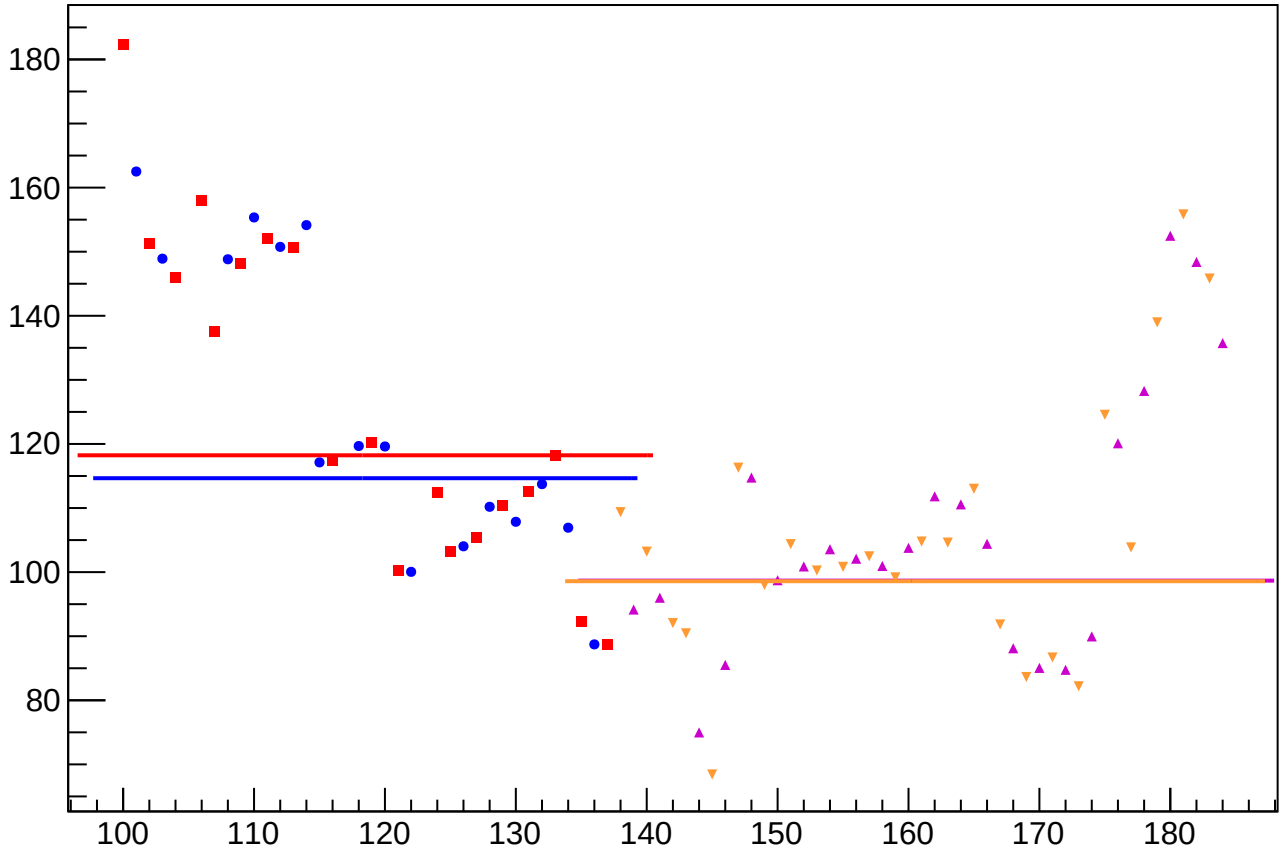
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 10.405+/-20.349 χ^2/NDF: 52.7/39

All: 12.834+/-14.539 χ^2/NDF: 92.8/81

- sign 15.367+/-20.781 χ^2/NDF: 40.1/41

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

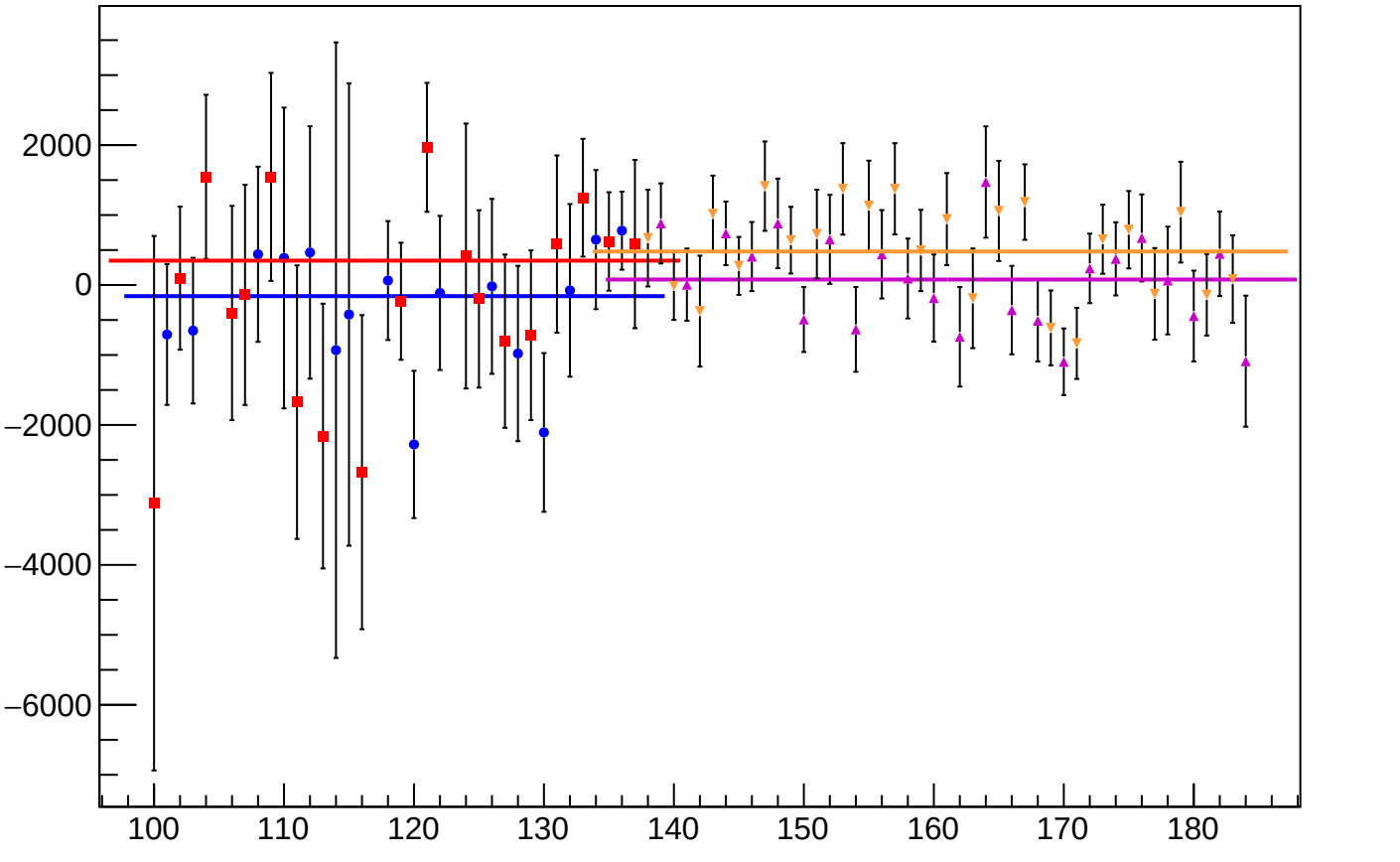
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.098+/-0.014 χ^2/NDF: 1911707.8/39

All: 102.554+/-0.010 χ^2/NDF: 3691619.8/81

- sign 103.029+/-0.015 χ^2/NDF: 1777865.3/41



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 479.350+/-118.942 χ^2/NDF:28.7/23

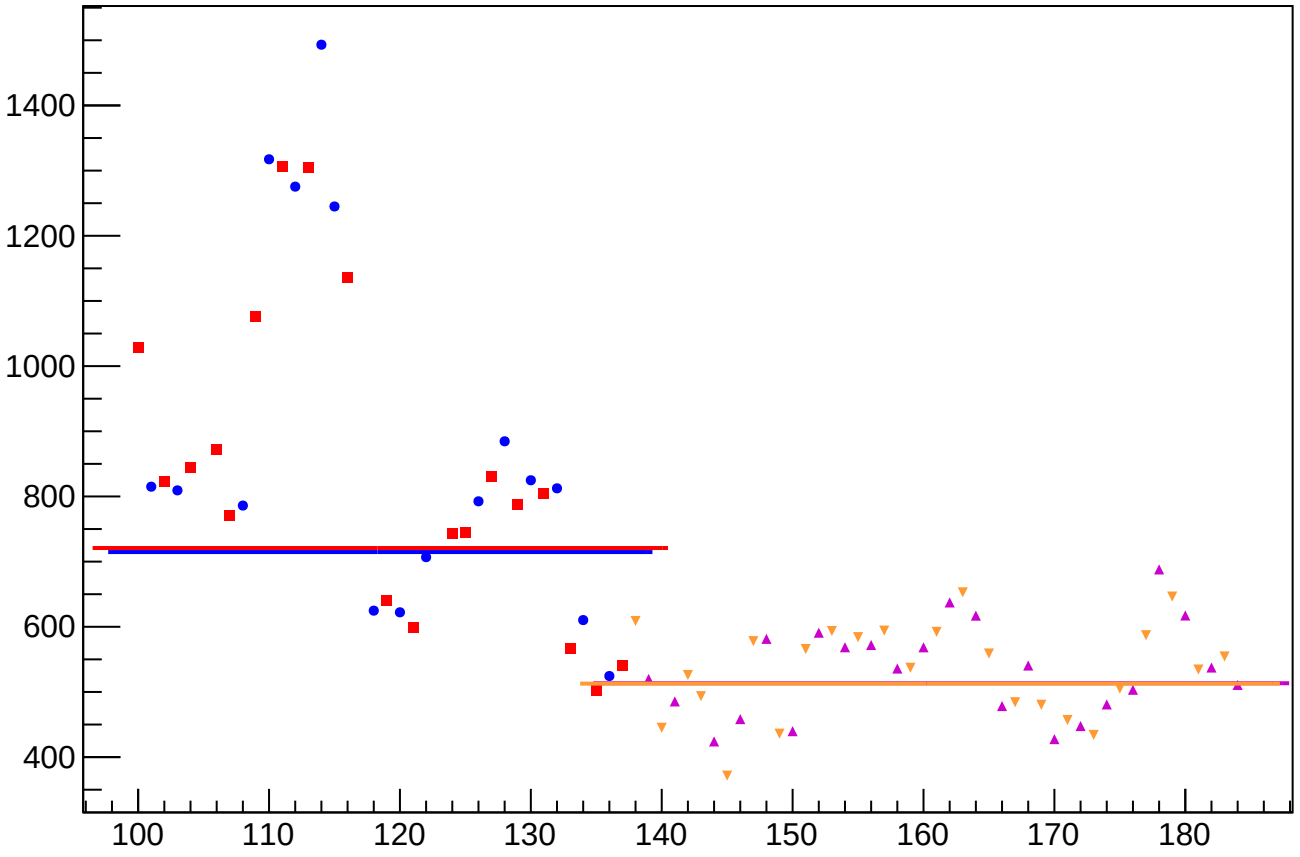
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 378.462+/-109.140 χ^2/NDF: 45.2/39

All: 252.973+/-77.821 χ^2/NDF: 89.3/81

\- sign 123.185+/-110.994 χ^2/NDF: 41.3/41



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

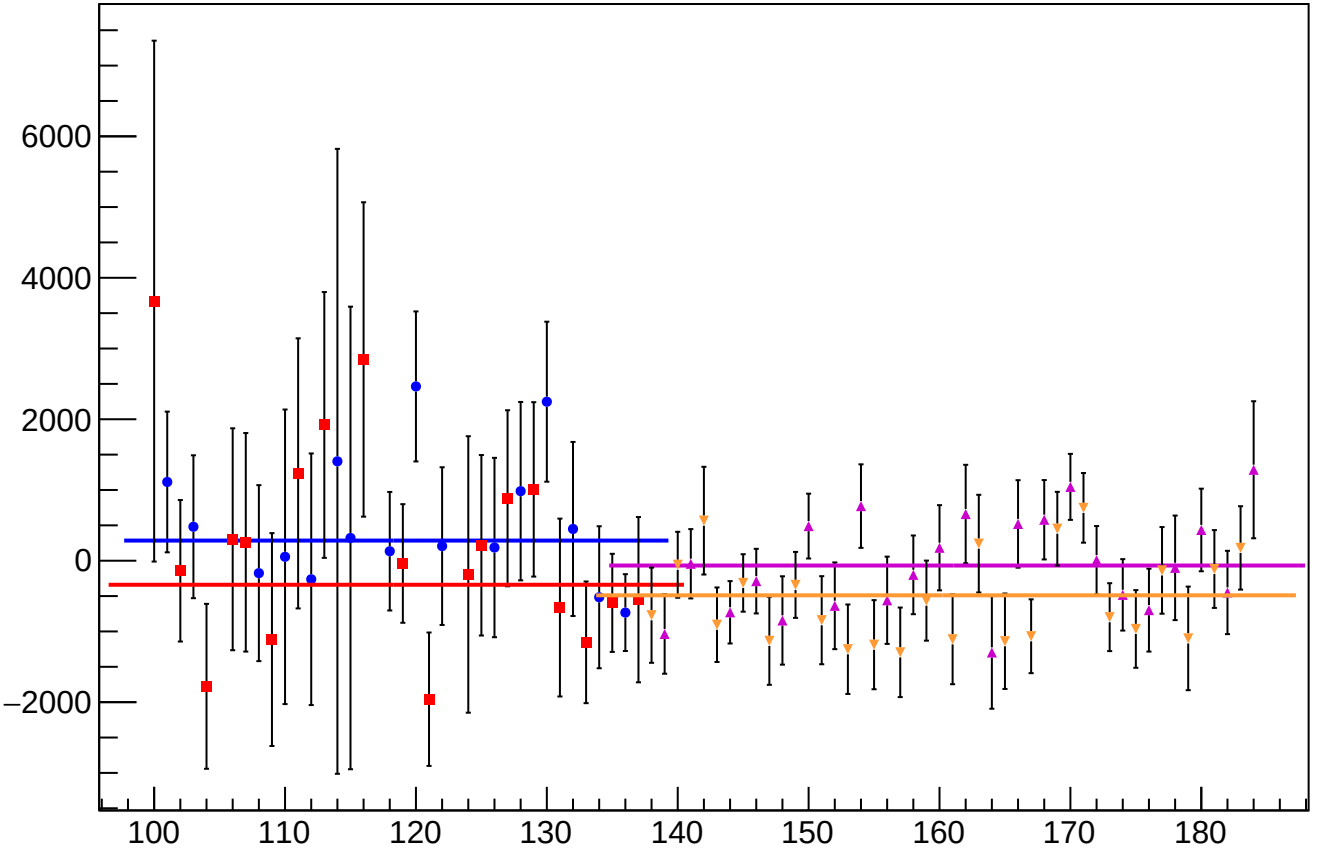
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 544.707+/-0.077 χ^2/NDF: 2585658.8/39

All: 546.093+/-0.055 χ^2/NDF: 5199900.0/81

- sign 547.527+/-0.078 χ^2/NDF: 2613584.7/41

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

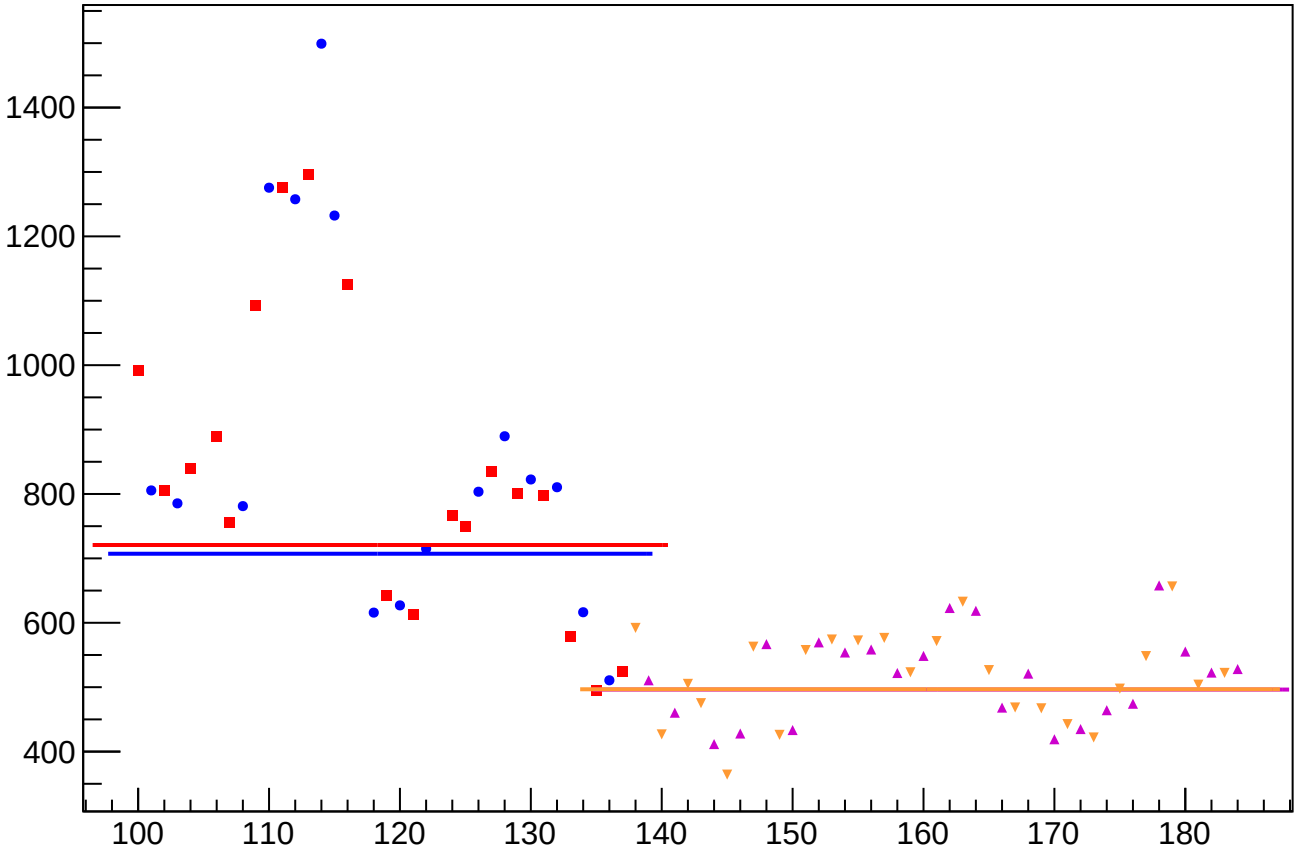
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

\+ sign -371.243+/-106.151 χ^2/NDF: 47.0/39

All: -242.862+/-75.657 χ^2/NDF: 93.5/81

\- sign -110.312+/-107.861 χ^2/NDF: 43.5/41

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

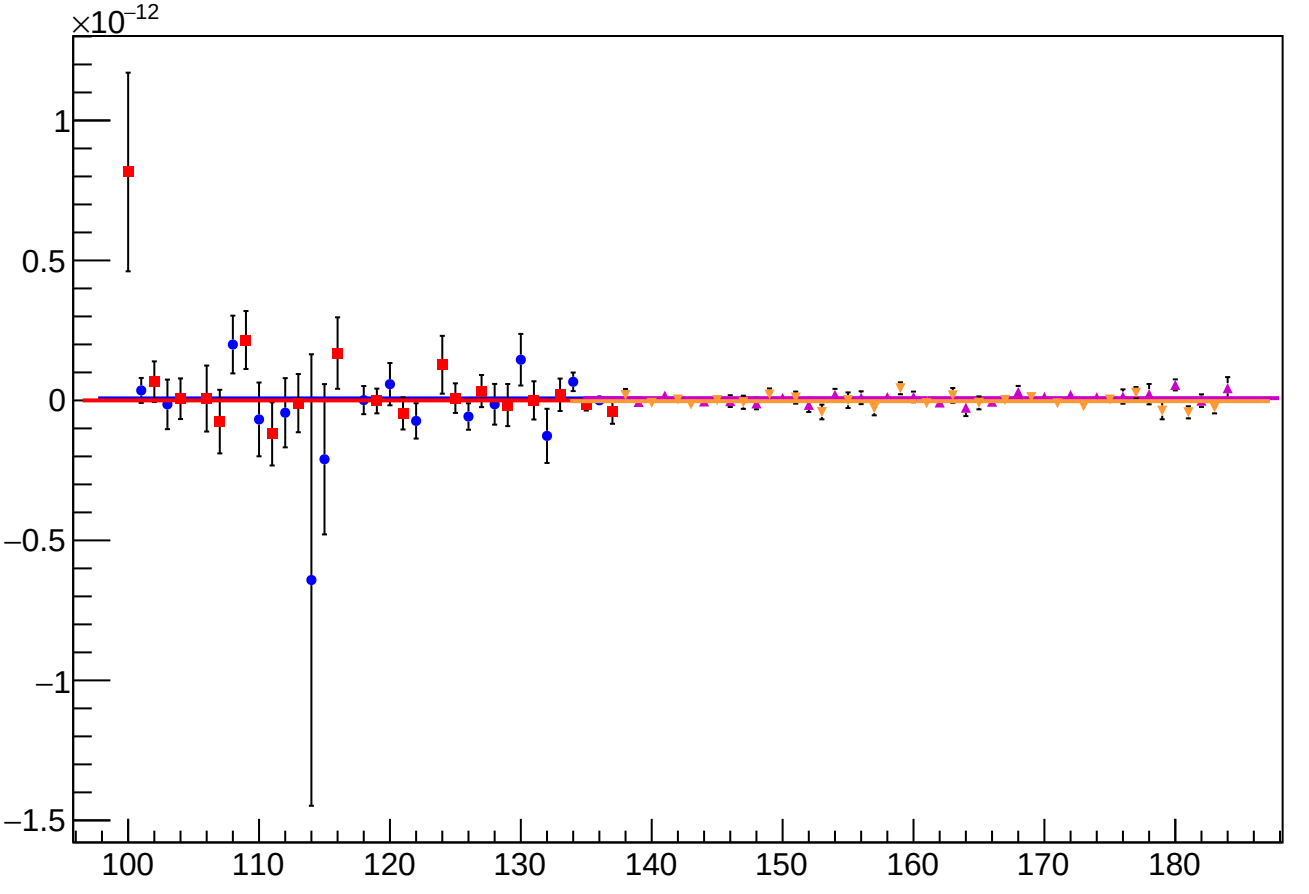
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 528.829+/-0.075 χ^2/NDF: 2703789.5/39

All: 529.992+/-0.053 χ^2/NDF: 5478897.4/81

- sign 531.193+/-0.076 χ^2/NDF: 2774619.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

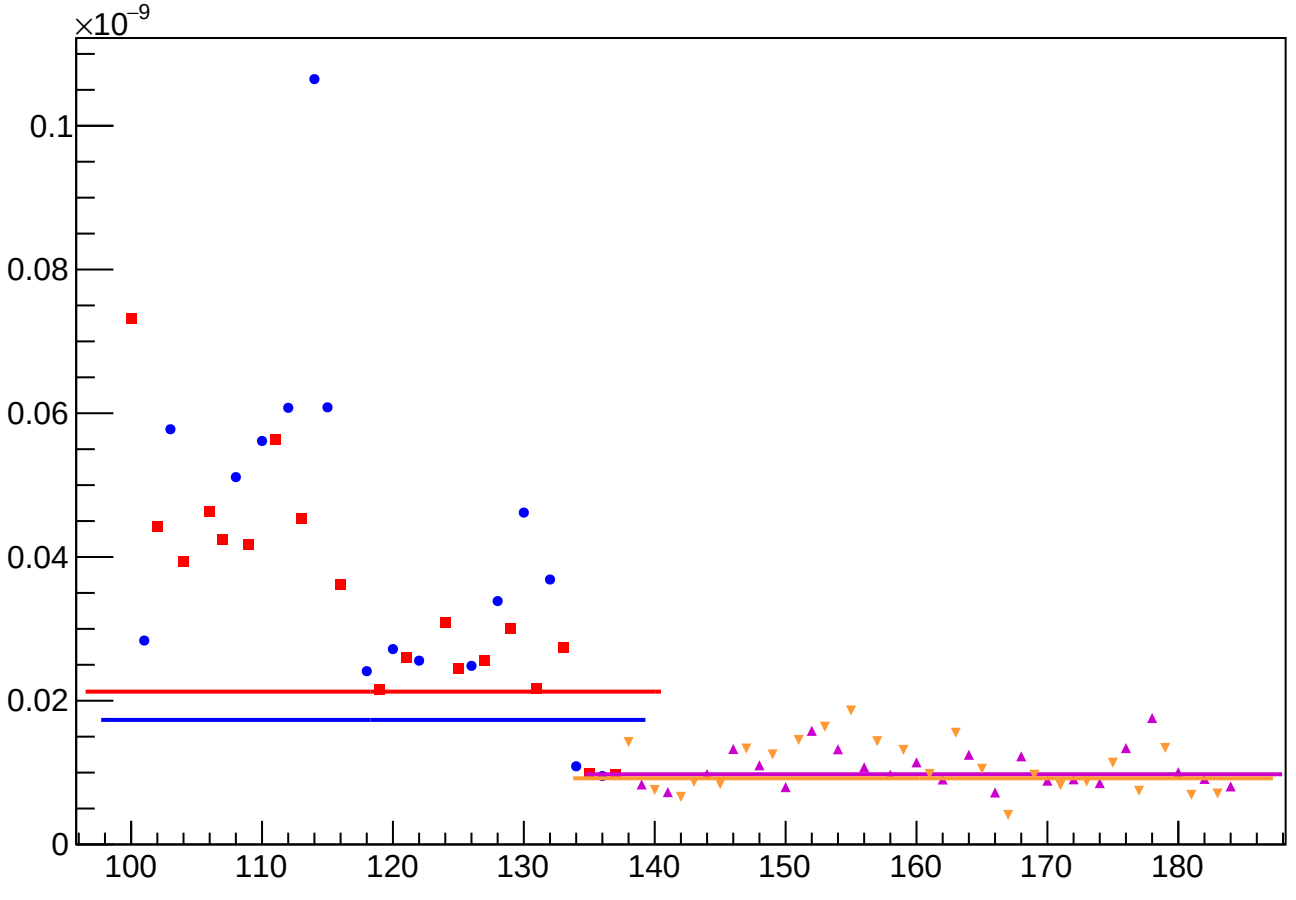
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/39

All: 0.000+/-0.000 χ^2/NDF: 77.5/81

- sign 0.000+/-0.000 χ^2/NDF: 33.7/41



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

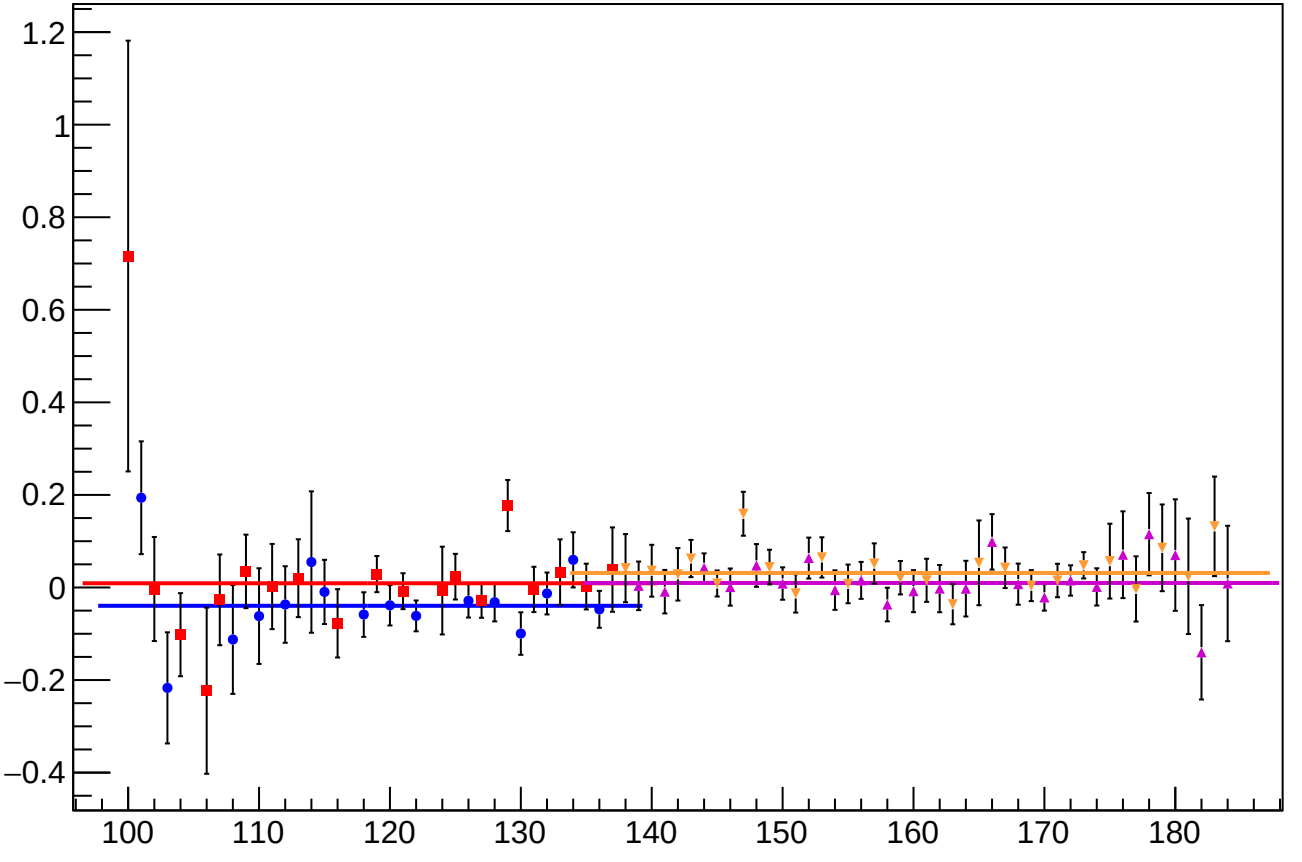
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5095620.0/39

All: 0.000+/-0.000 χ^2/NDF: 8785903.7/81

- sign 0.000+/-0.000 χ^2/NDF: 3651592.6/41

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

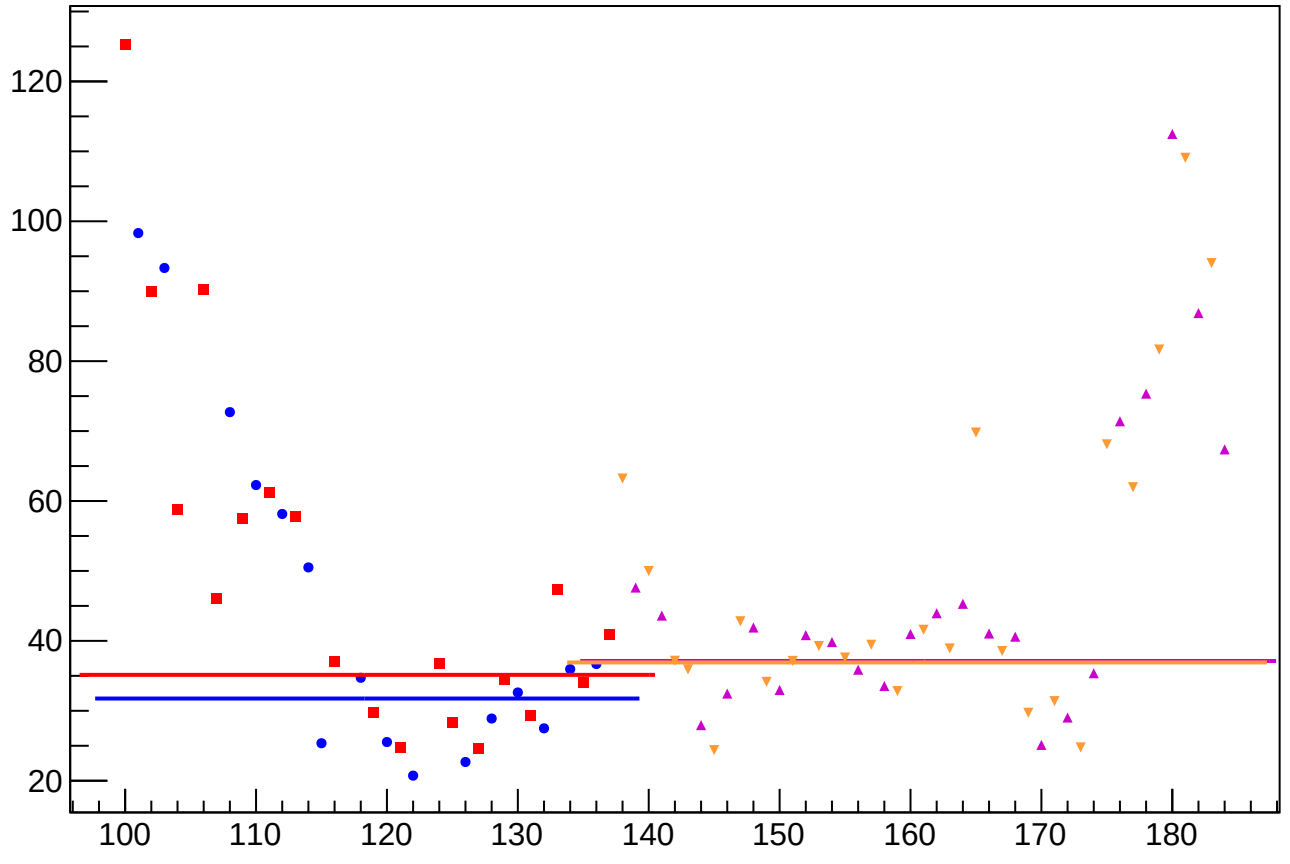
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 48.5/39

All: 0.009+/-0.005 χ^2/NDF: 80.0/81

- sign 0.010+/-0.008 χ^2/NDF: 31.5/41



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.916+/-0.006 χ^2/NDF:3871703.0/23

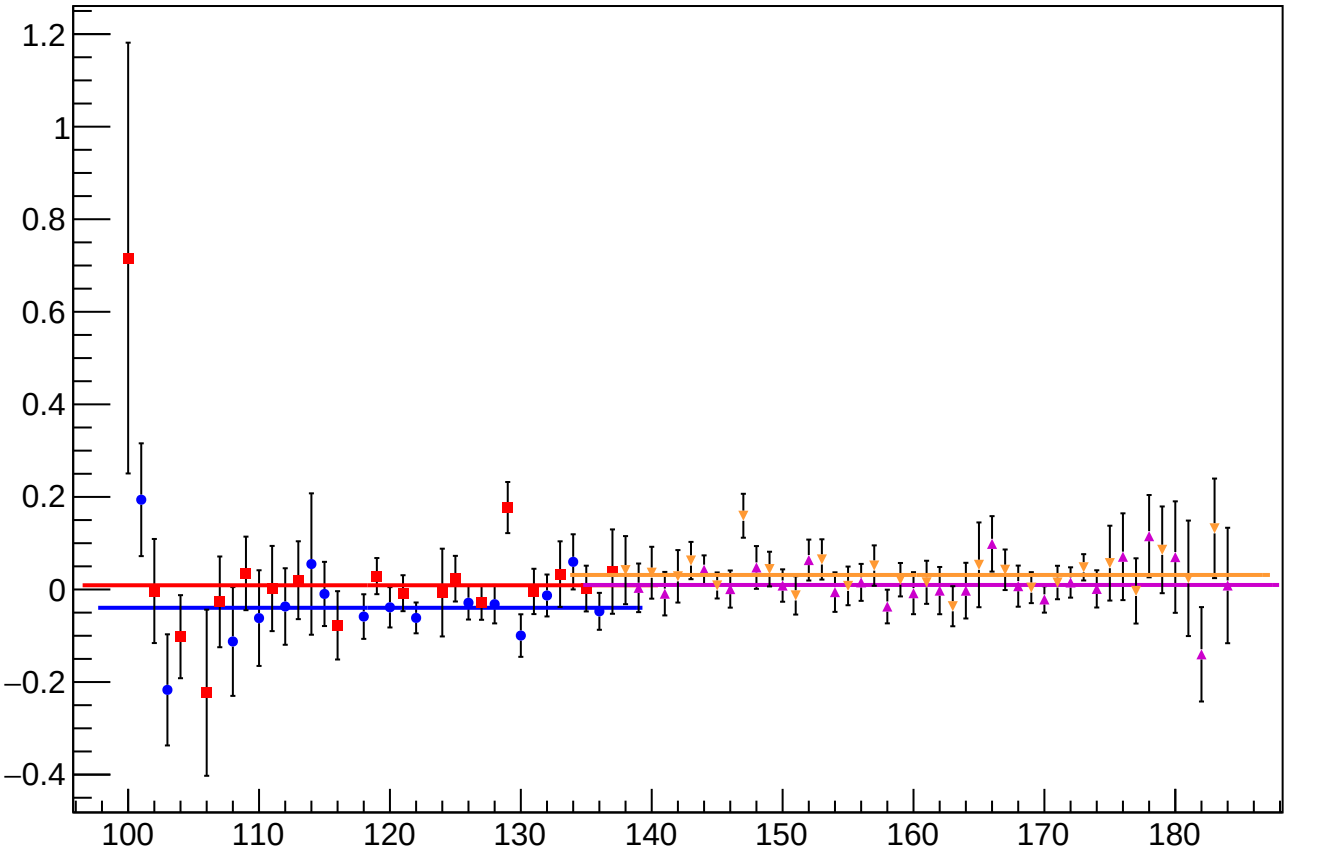
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.238+/-0.005 χ^2/NDF: 6331577.5/39

All: 35.853+/-0.004 χ^2/NDF: 11244467.7/81

- sign 36.521+/-0.006 χ^2/NDF: 4884835.9/41



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

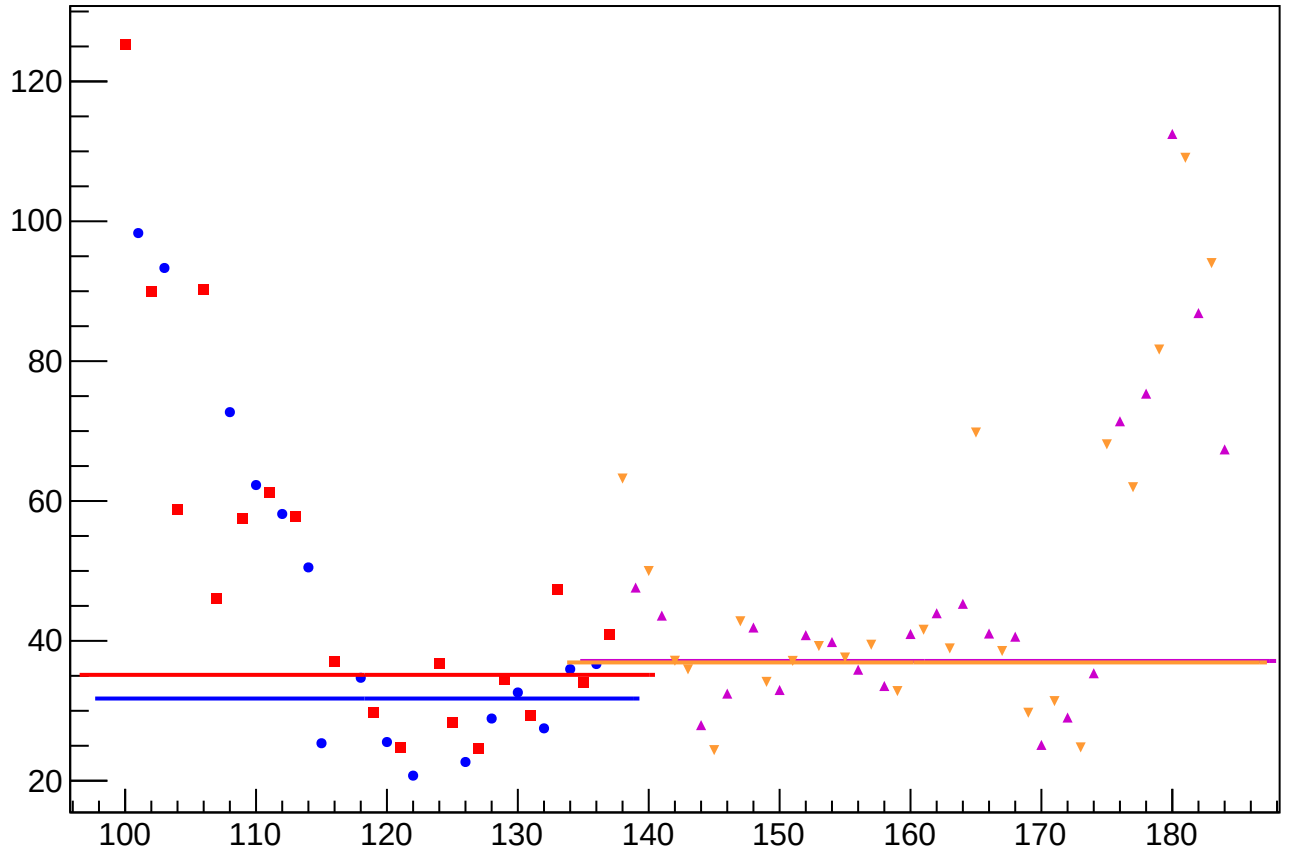
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 48.5/39

All: 0.009+/-0.005 χ^2/NDF: 80.0/81

- sign 0.010+/-0.008 χ^2/NDF: 31.5/41



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.916+/-0.006 χ^2/NDF:3871703.0/23

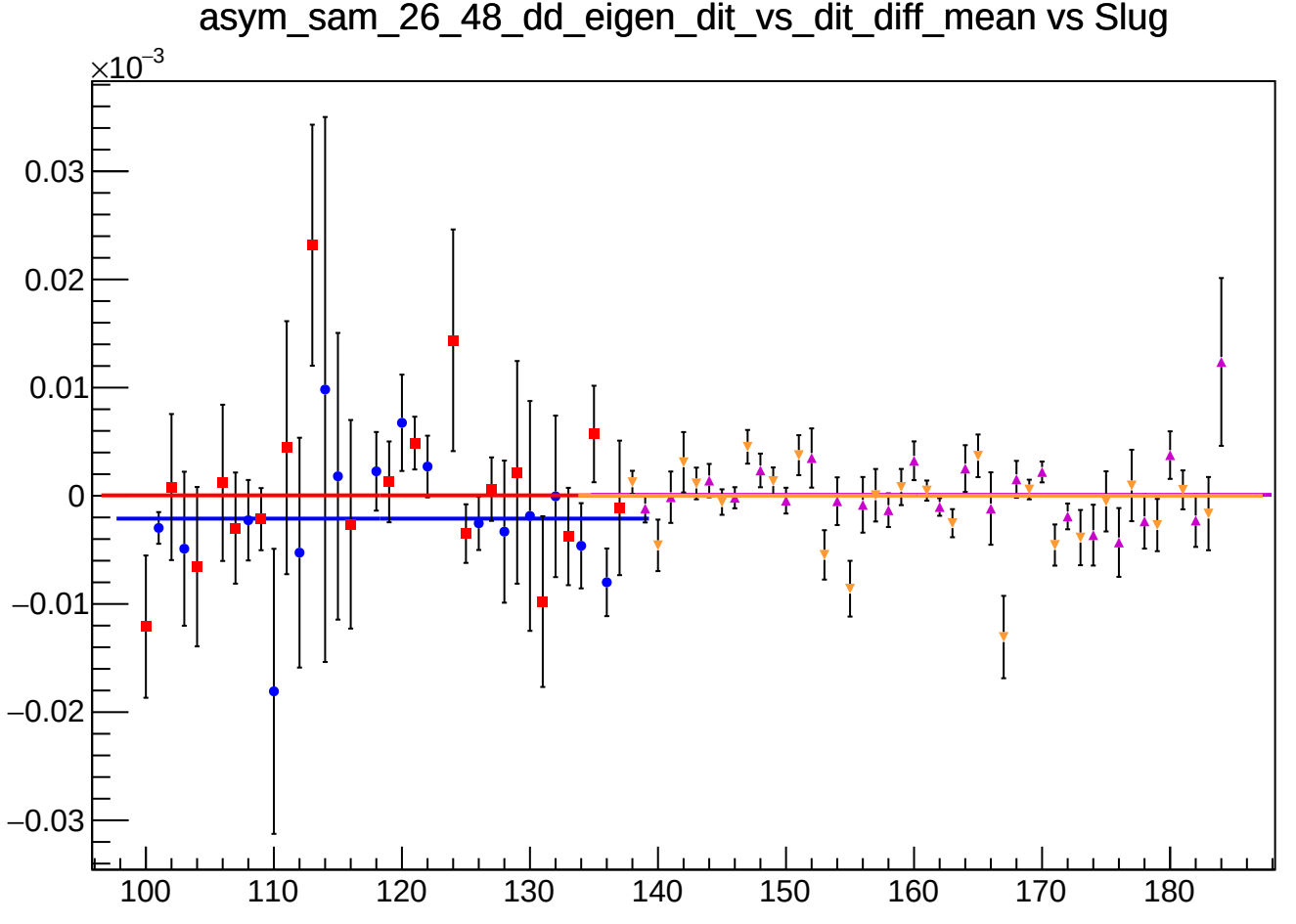
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.238+/-0.005 χ^2/NDF: 6331577.5/39

All: 35.853+/-0.004 χ^2/NDF: 11244467.7/81

- sign 36.521+/-0.006 χ^2/NDF: 4884835.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:67.4/23

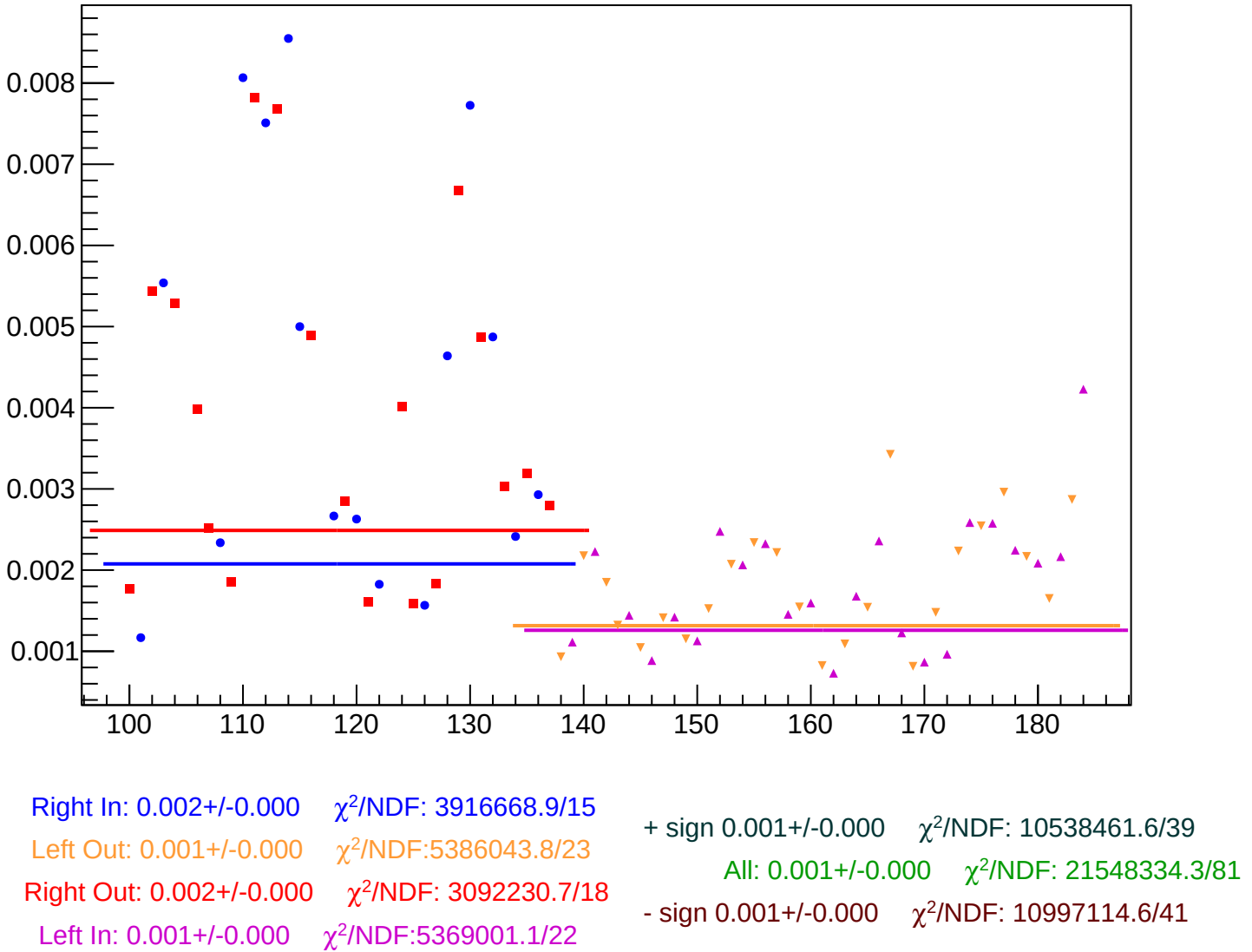
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

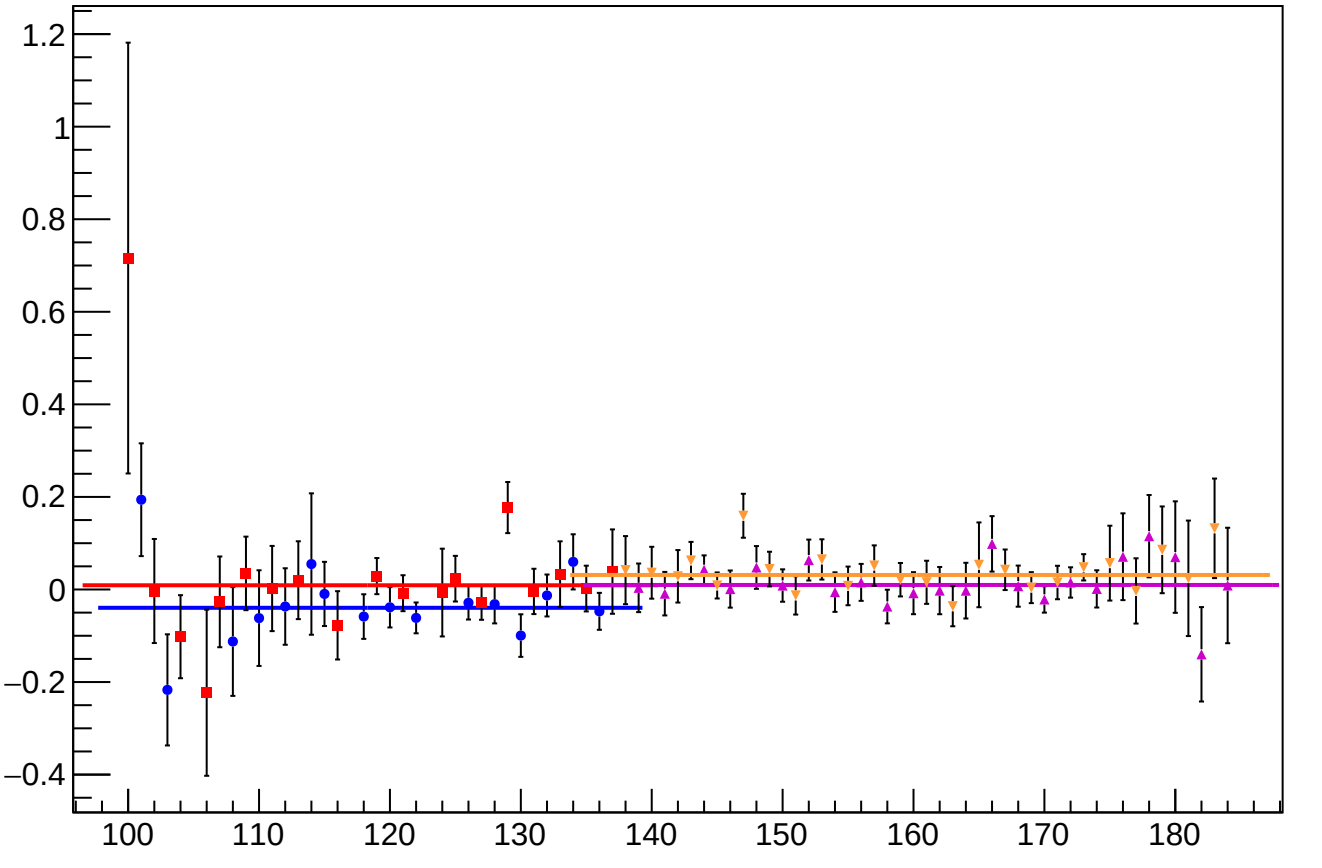
Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.0/39

All: -0.000+/-0.000 χ^2/NDF: 141.1/81

- sign 0.000+/-0.000 χ^2/NDF: 53.6/41


asym_sam_26_48_dd_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: 3916668.9/15
Left Out: 0.001+/-0.000 χ²/NDF:5386043.8/23
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:5369001.1/22
+ sign 0.001+/-0.000 χ²/NDF: 10538461.6/39
All: 0.001+/-0.000 χ²/NDF: 21548334.3/81
- sign 0.001+/-0.000 χ²/NDF: 10997114.6/41



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

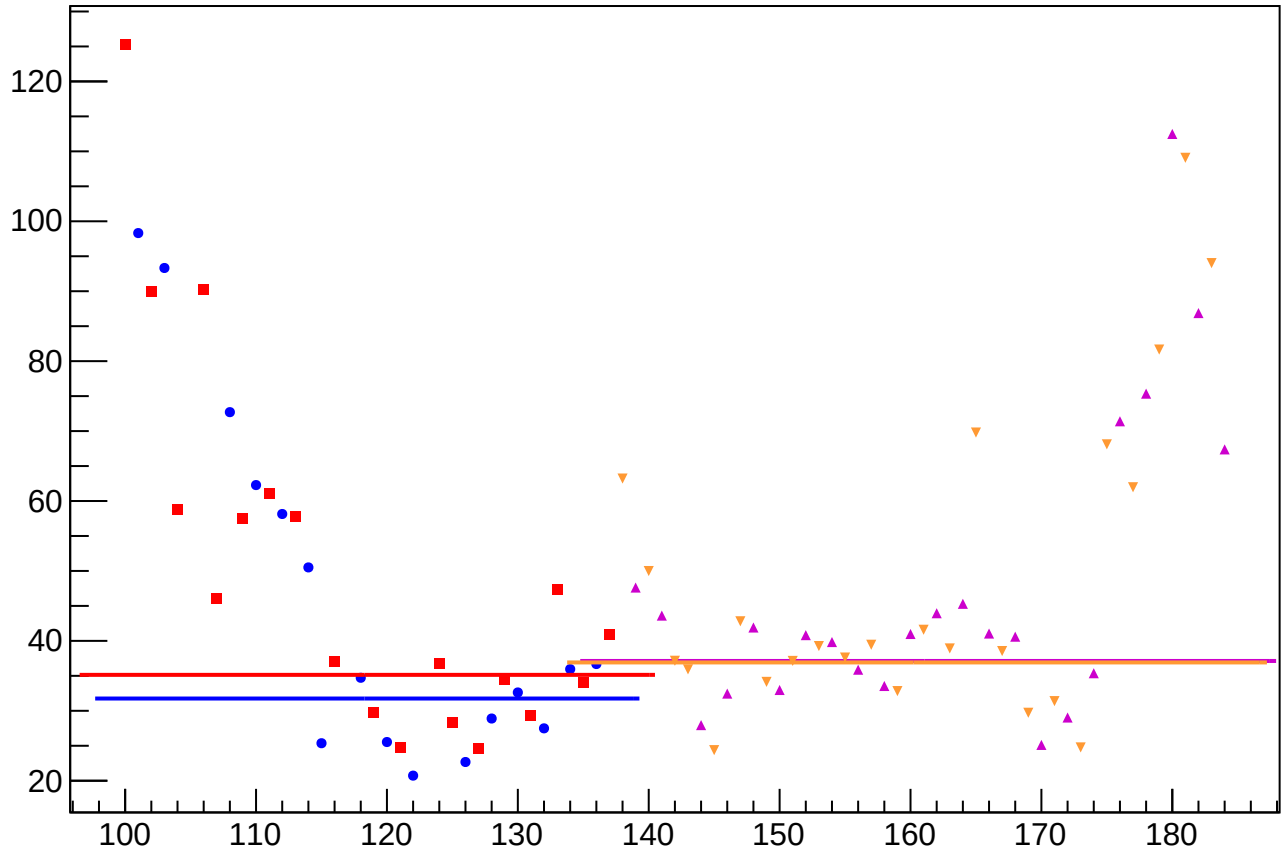
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 48.5/39

All: 0.009+/-0.005 χ^2/NDF: 80.0/81

- sign 0.010+/-0.008 χ^2/NDF: 31.5/41



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.916+/-0.006 χ^2/NDF:3871715.8/23

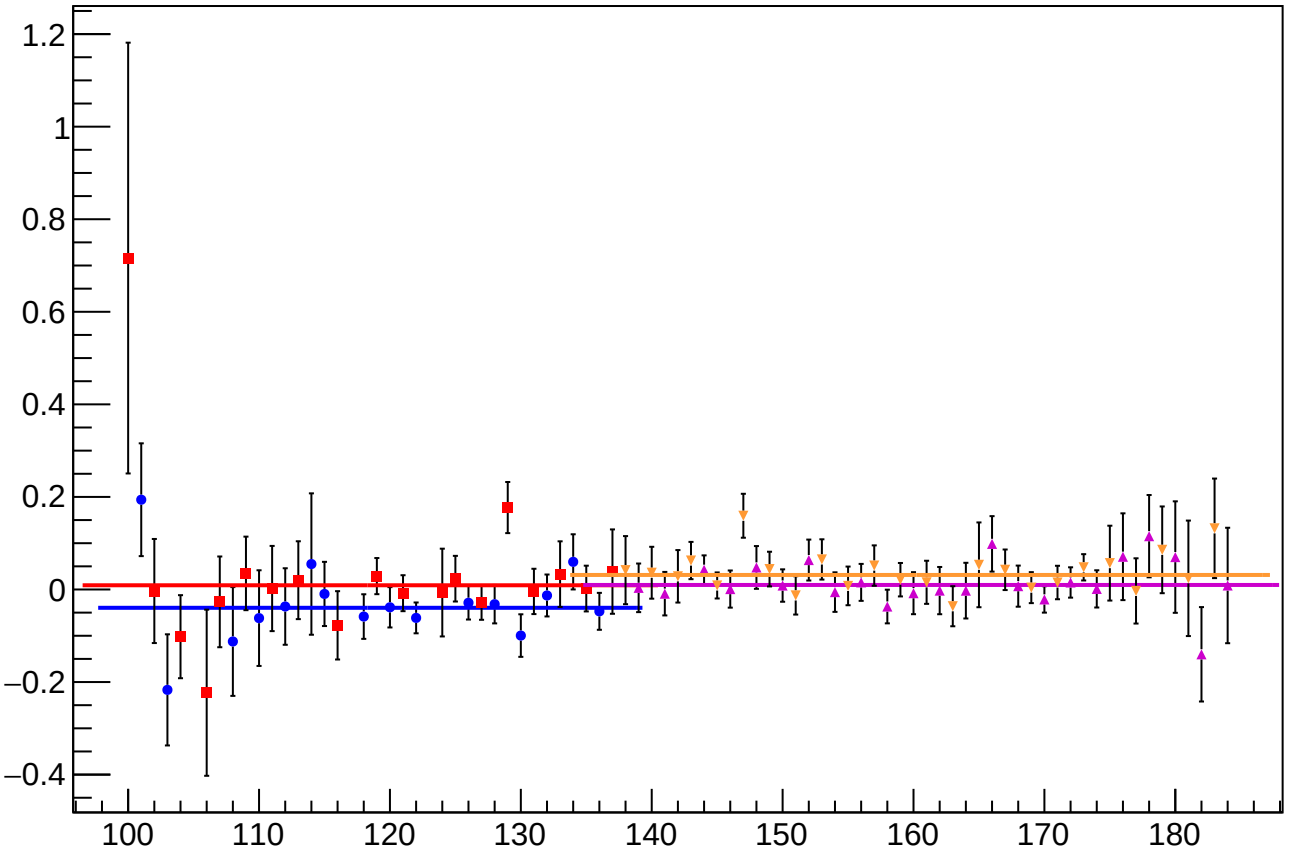
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.238+/-0.005 χ^2/NDF: 6331531.2/39

All: 35.854+/-0.004 χ^2/NDF: 11244274.5/81

- sign 36.522+/-0.006 χ^2/NDF: 4884689.2/41



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:16.5/23

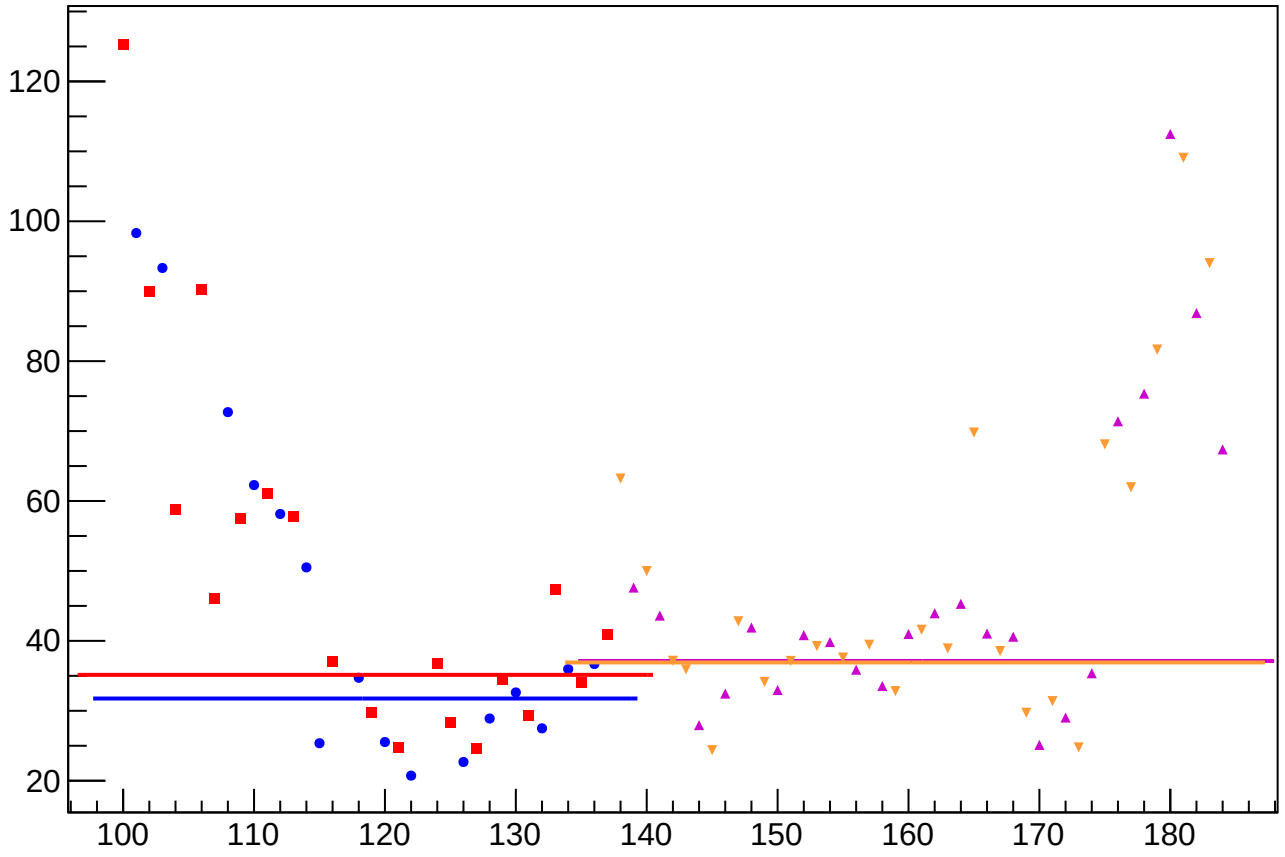
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 48.5/39

All: 0.009+/-0.005 χ^2/NDF: 80.0/81

- sign 0.010+/-0.008 χ^2/NDF: 31.5/41



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.916+/-0.006 χ^2/NDF:3871715.8/23

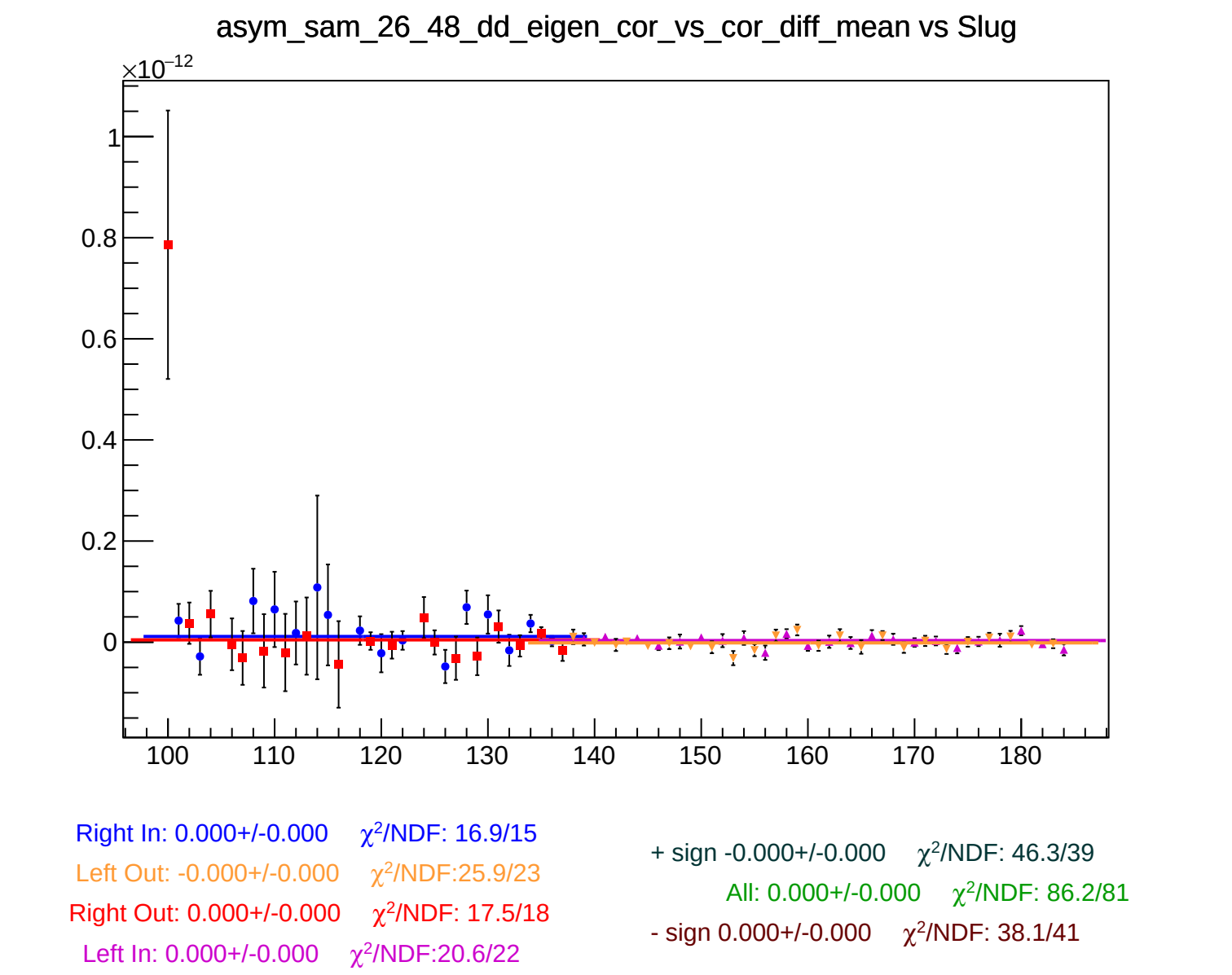
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

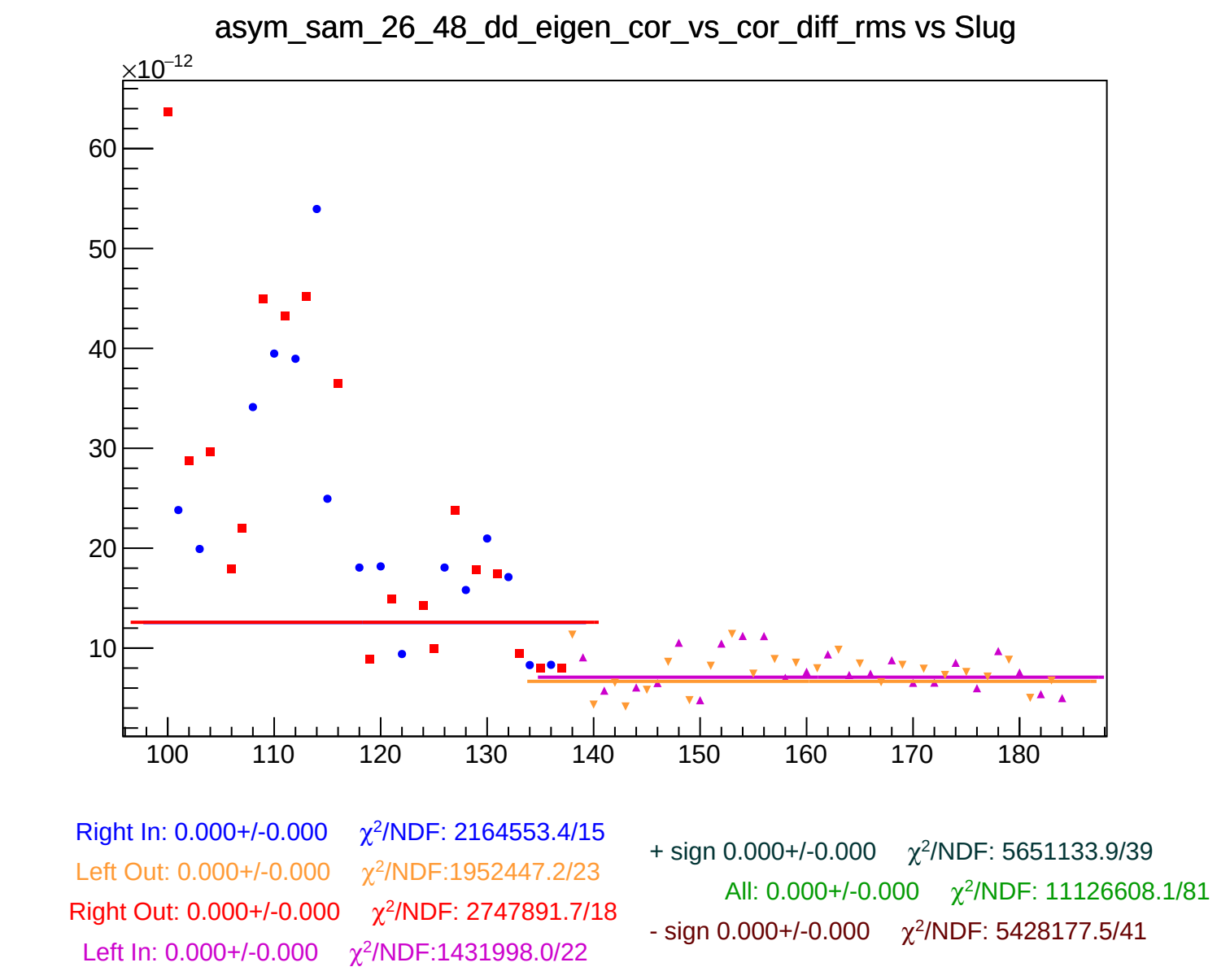
Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.238+/-0.005 χ^2/NDF: 6331531.2/39

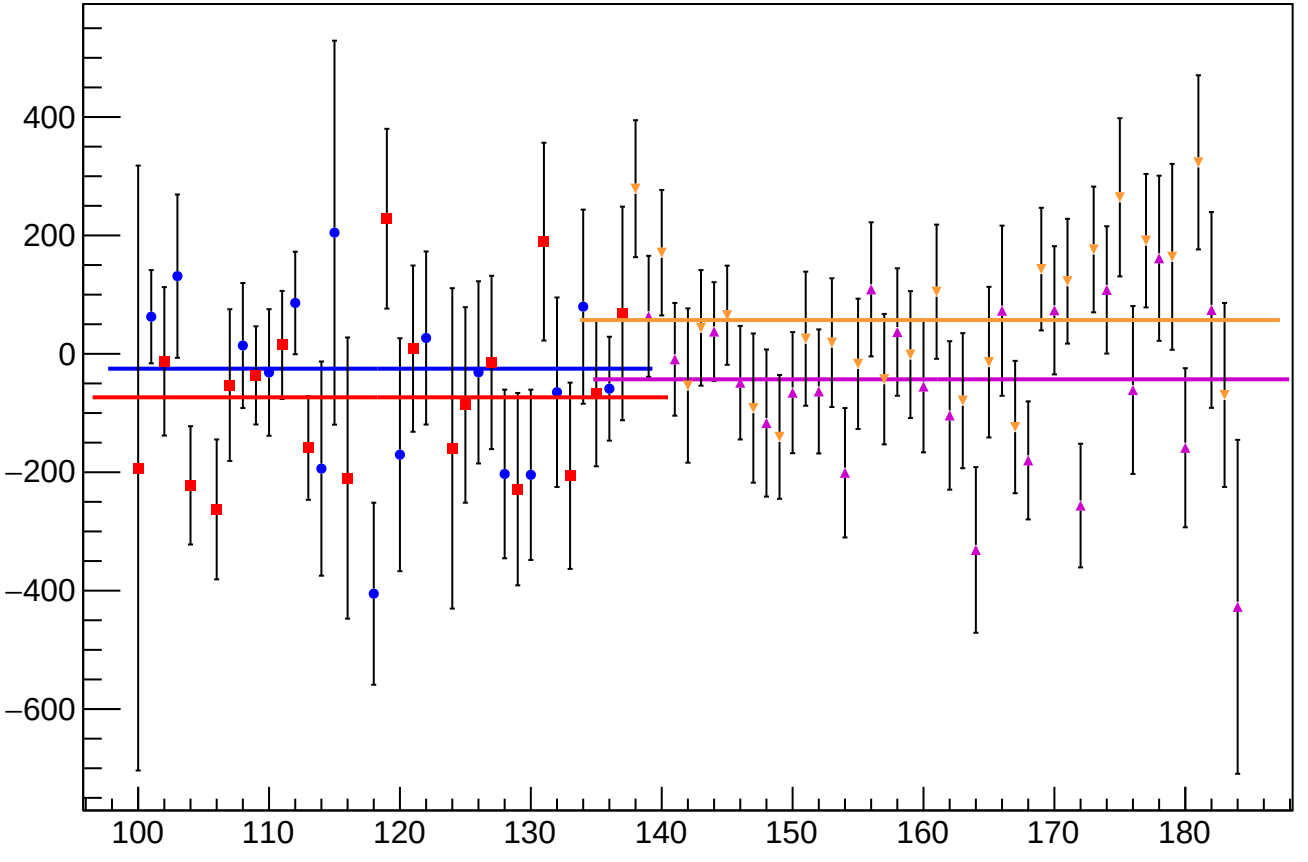
All: 35.854+/-0.004 χ^2/NDF: 11244274.5/81

- sign 36.522+/-0.006 χ^2/NDF: 4884689.2/41


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:25.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:20.6/22
+ sign -0.000+/-0.000 χ²/NDF: 46.3/39
All: 0.000+/-0.000 χ²/NDF: 86.2/81
- sign 0.000+/-0.000 χ²/NDF: 38.1/41


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:1431998.0/22
+ sign 0.000+/-0.000 χ²/NDF: 5651133.9/39
All: 0.000+/-0.000 χ²/NDF: 11126608.1/81
- sign 0.000+/-0.000 χ²/NDF: 5428177.5/41

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

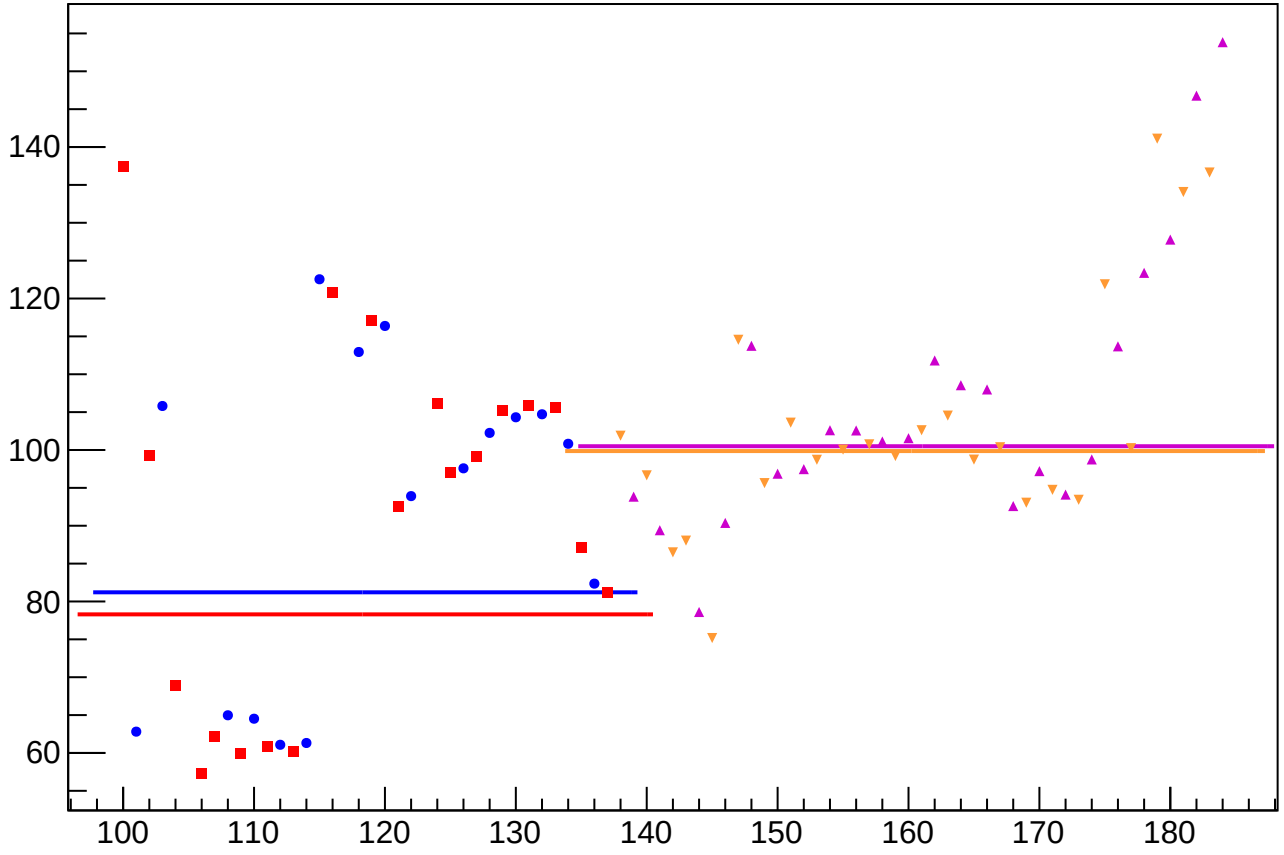
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 27.986+/-18.583 χ^2/NDF: 48.1/39

All: -13.341+/-13.149 χ^2/NDF: 102.0/81

- sign -54.787+/-18.609 χ^2/NDF: 44.0/41

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

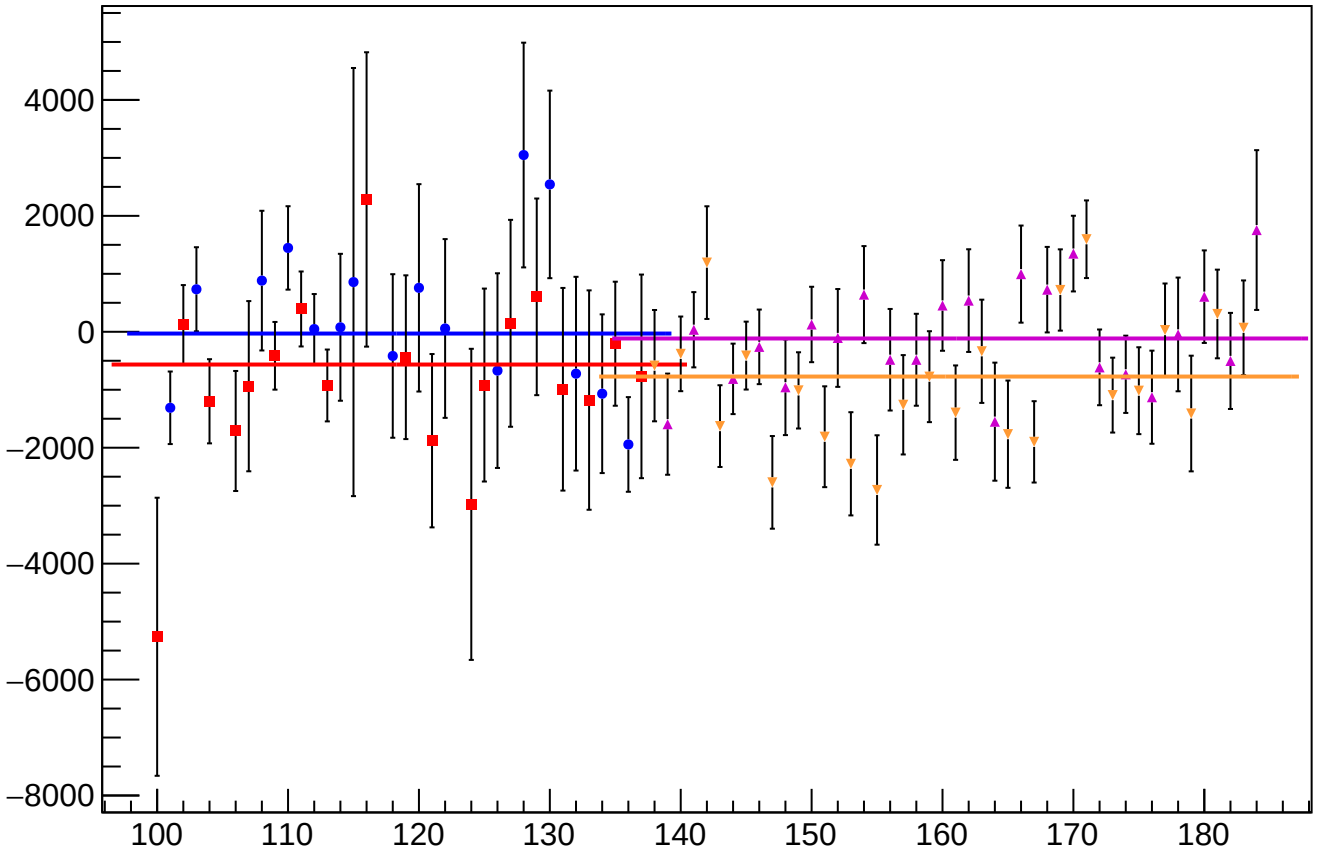
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.255+/-0.013 χ^2/NDF: 1945999.6/39

All: 92.588+/-0.009 χ^2/NDF: 4217564.7/81

- sign 91.918+/-0.013 χ^2/NDF: 2266395.0/41



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

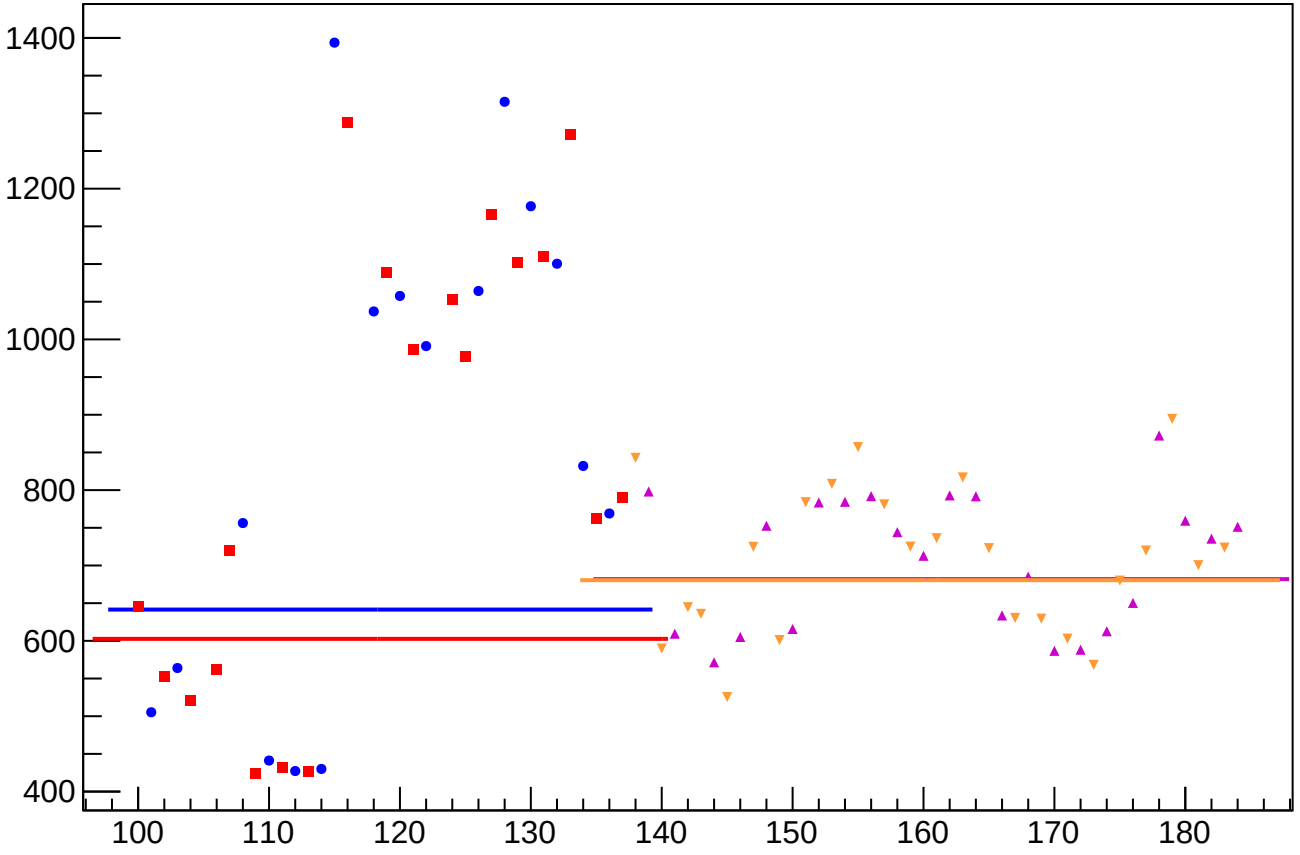
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -569.404+/-134.405 χ^2/NDF: 74.9/39

All: -411.701+/-94.694 χ^2/NDF: 117.1/81

- sign -256.269+/-133.434 χ^2/NDF: 39.5/41

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

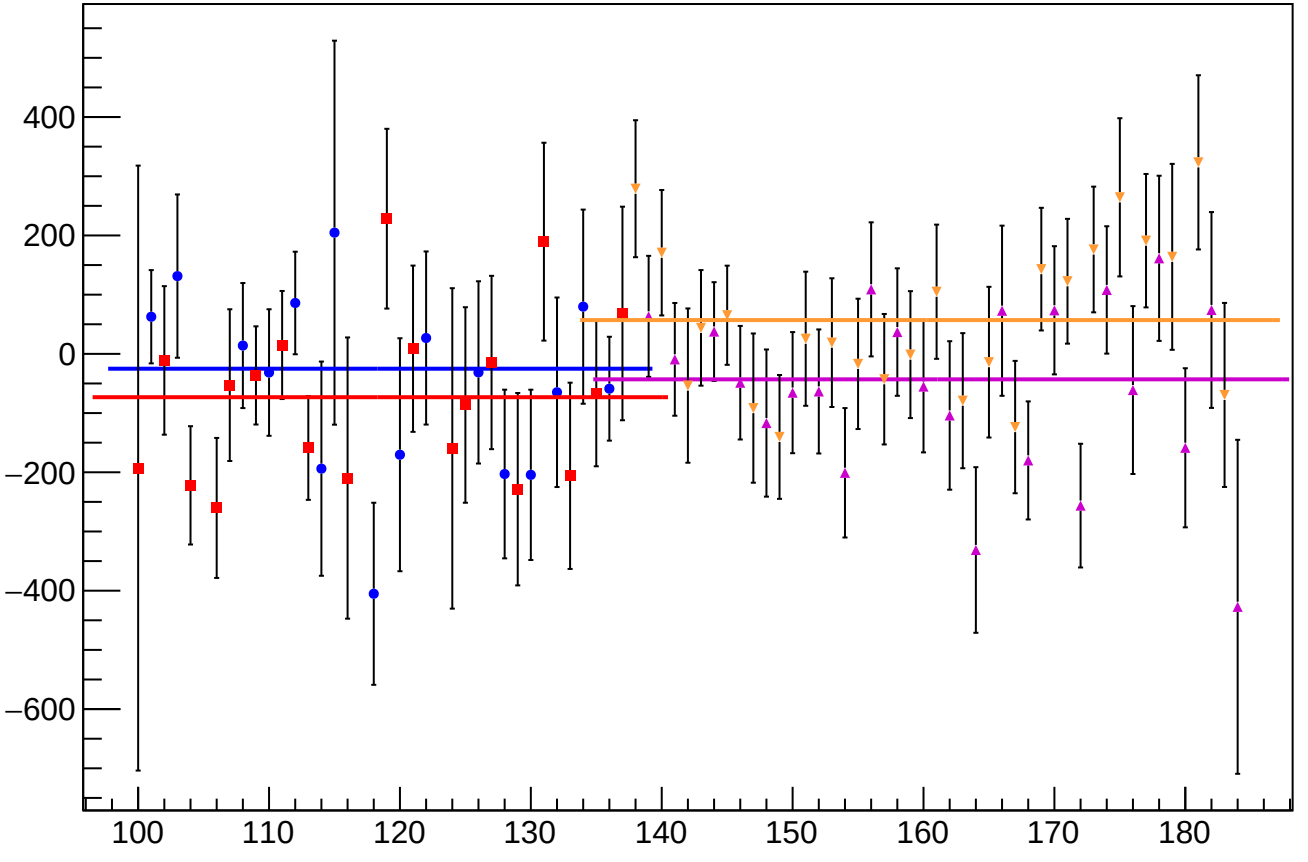
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 669.826+/-0.095 χ^2/NDF: 2637499.5/39

All: 663.411+/-0.067 χ^2/NDF: 5442337.2/81

- sign 657.089+/-0.094 χ^2/NDF: 2795791.3/41

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

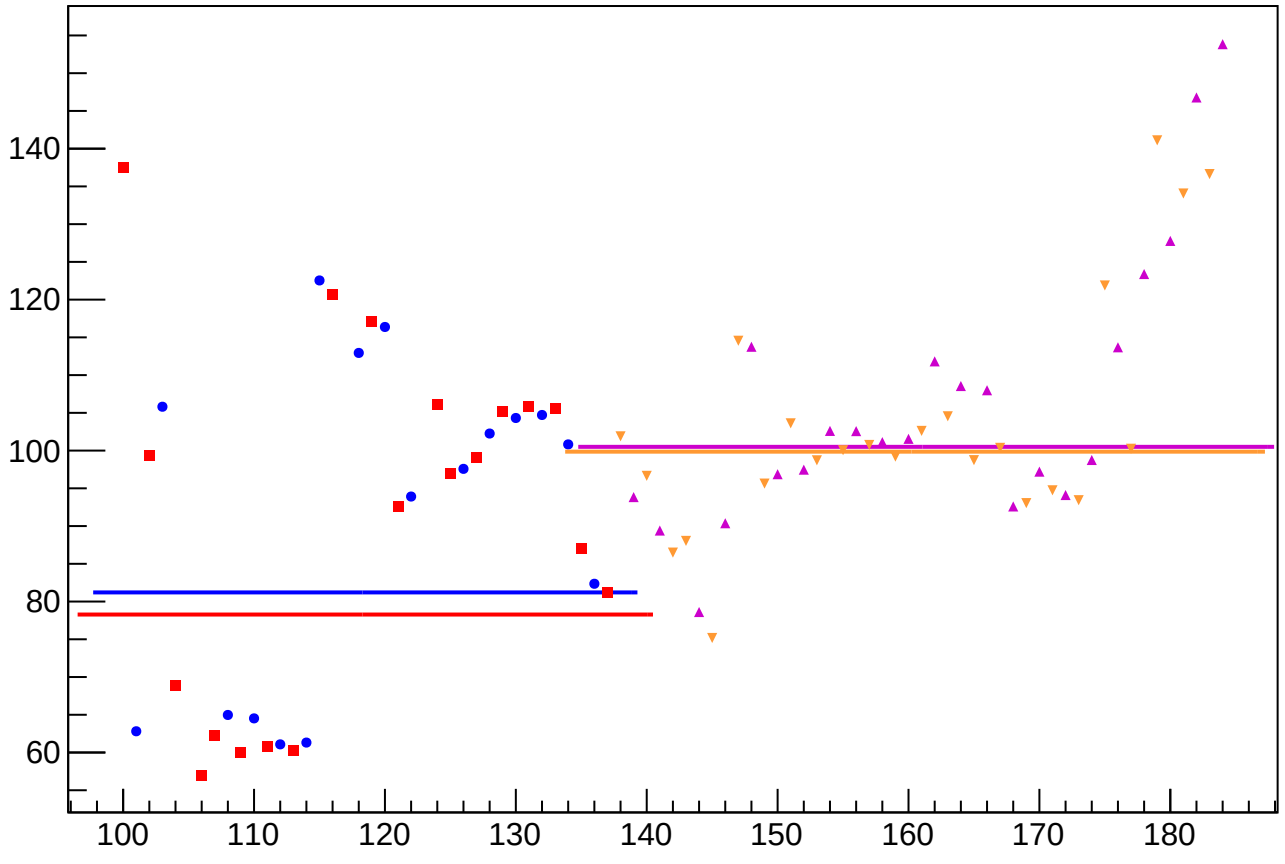
Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 27.989+/-18.583 χ^2/NDF: 48.1/39

All: -13.287+/-13.149 χ^2/NDF: 101.9/81

- sign -54.684+/-18.610 χ^2/NDF: 44.0/41



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

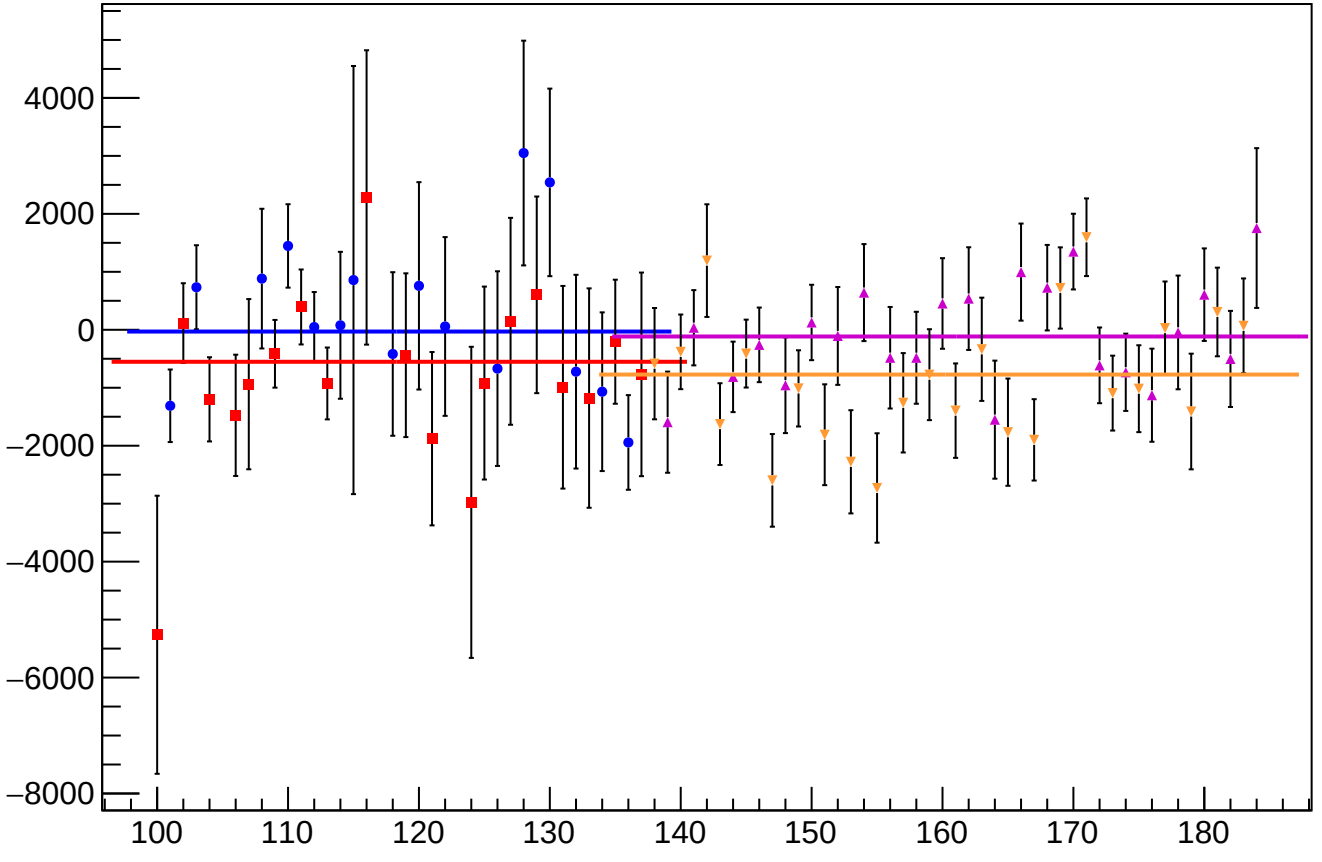
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.255+/-0.013 χ^2/NDF: 1946001.1/39

All: 92.585+/-0.009 χ^2/NDF: 4220838.5/81

- sign 91.912+/-0.013 χ^2/NDF: 2269616.6/41

asym_sam_1548_avg_cor_correction_mean vs Slug



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

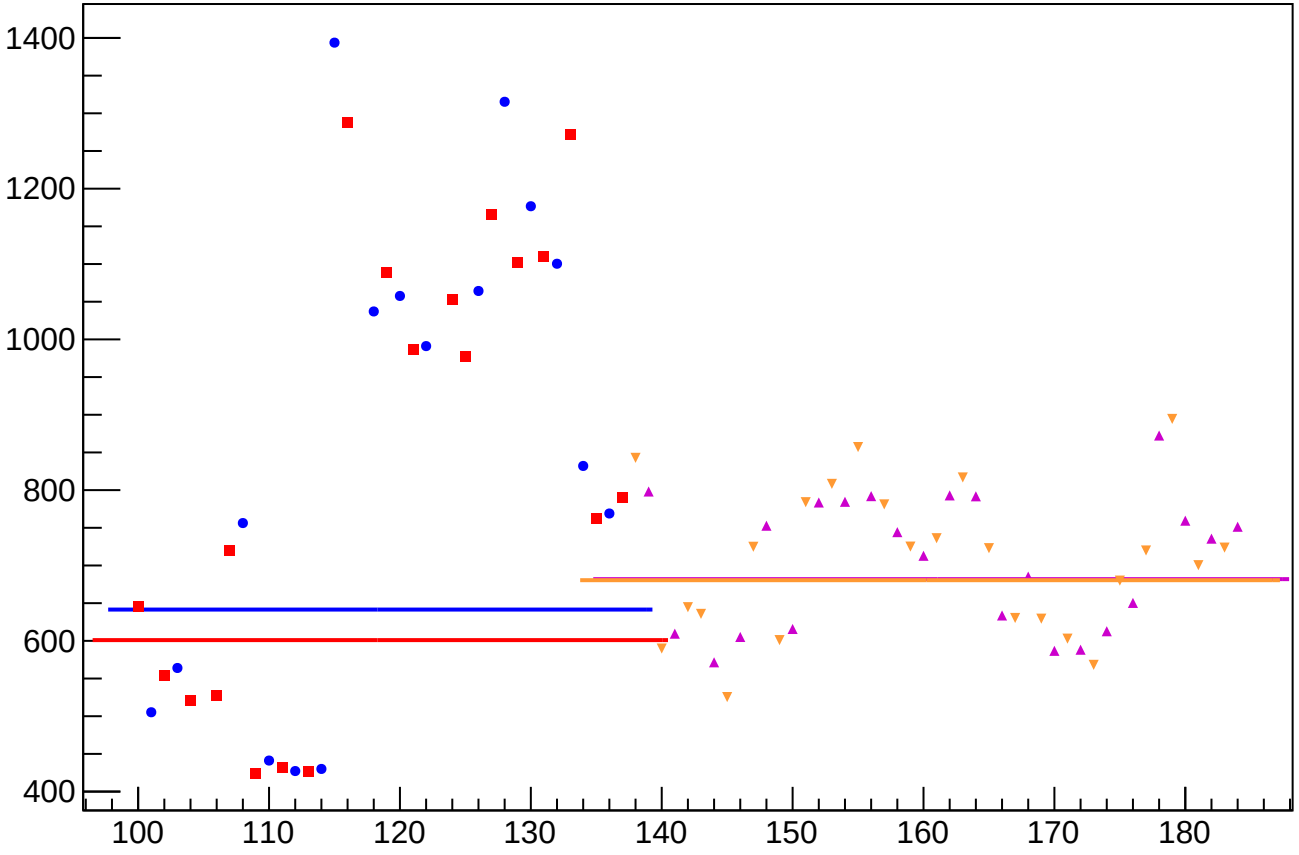
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -569.409+/-134.406 χ^2/NDF: 74.9/39

All: -409.635+/-94.703 χ^2/NDF: 116.6/81

- sign -252.101+/-133.460 χ^2/NDF: 38.9/41

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

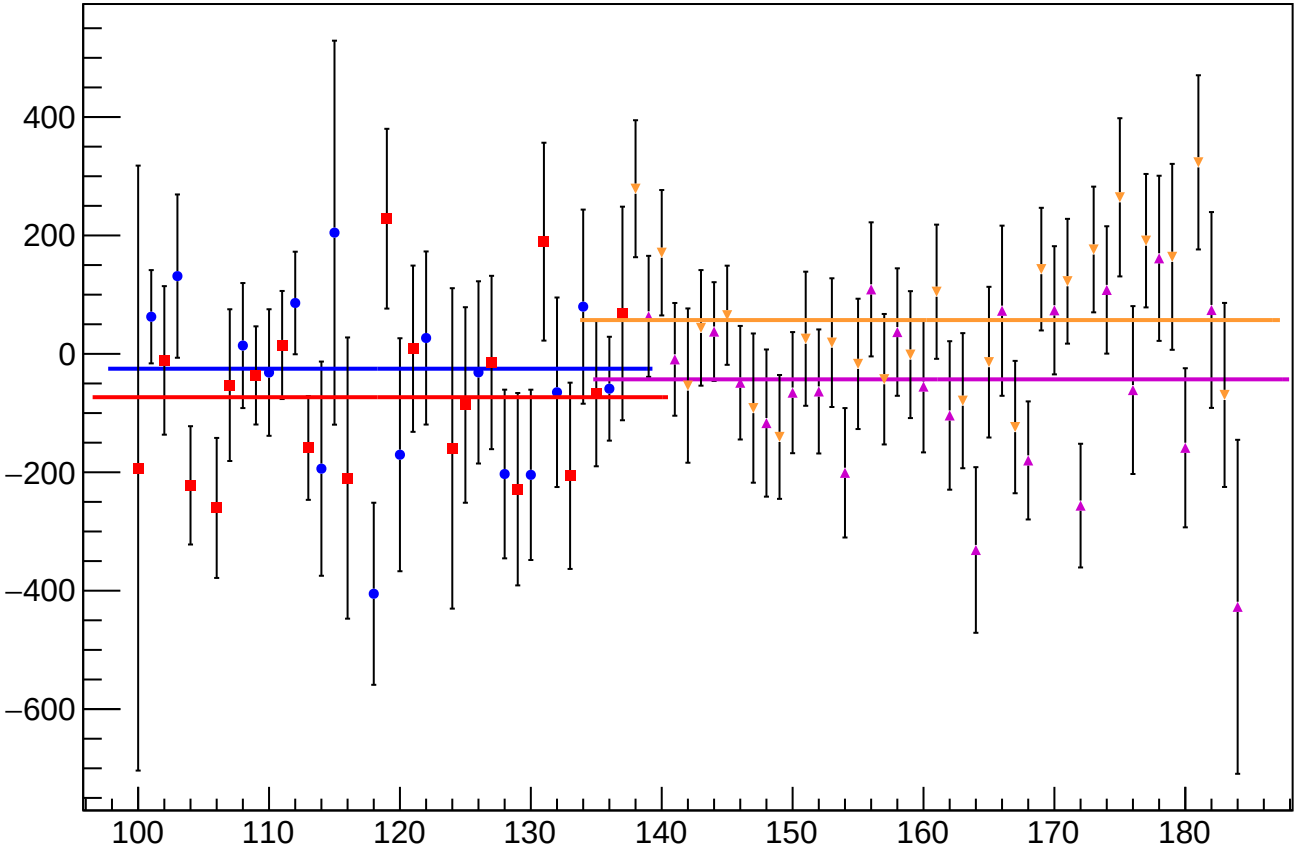
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 669.829+/-0.095 χ^2/NDF: 2637442.4/39

All: 663.160+/-0.067 χ^2/NDF: 5456295.7/81

- sign 656.585+/-0.094 χ^2/NDF: 2809075.3/41

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

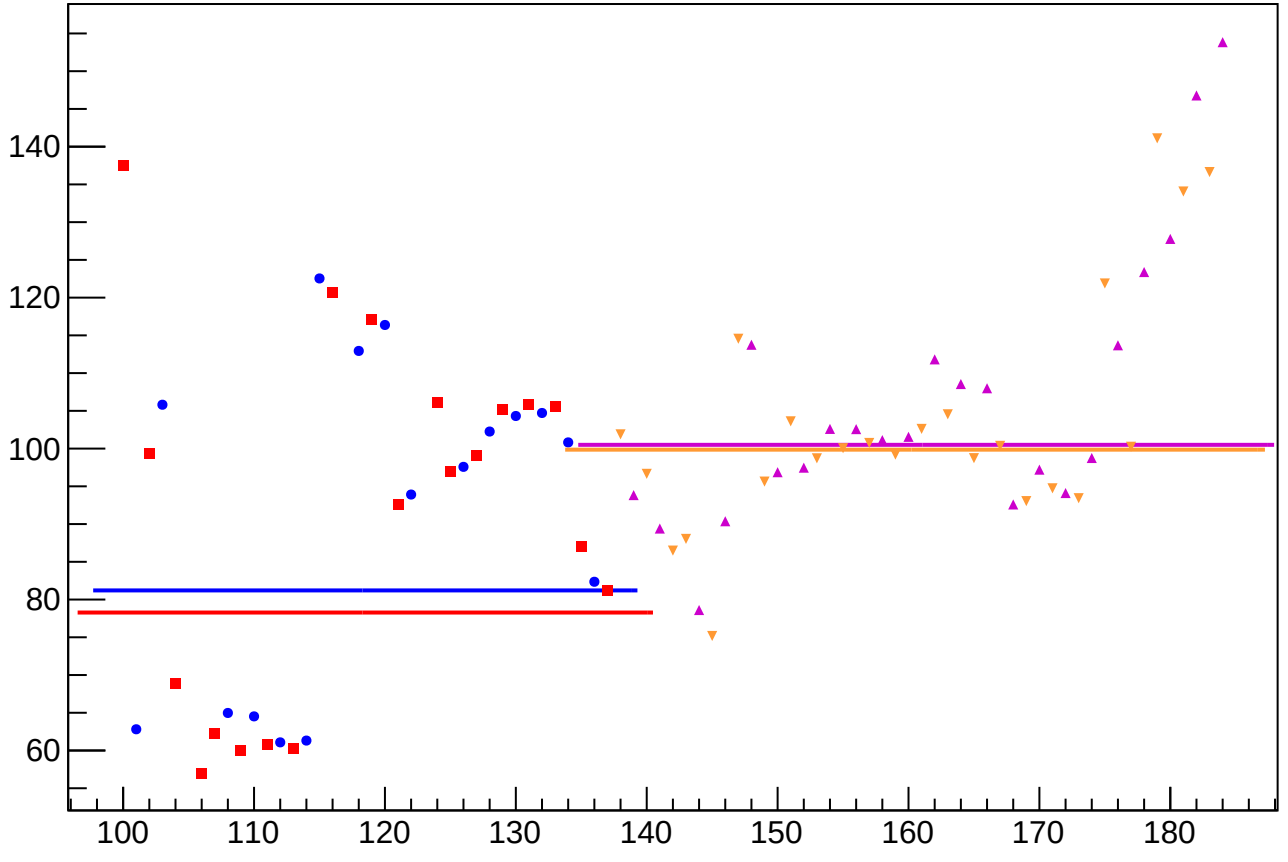
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 27.989+/-18.583 χ^2/NDF: 48.1/39

All: -13.287+/-13.149 χ^2/NDF: 101.9/81

- sign -54.684+/-18.610 χ^2/NDF: 44.0/41

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

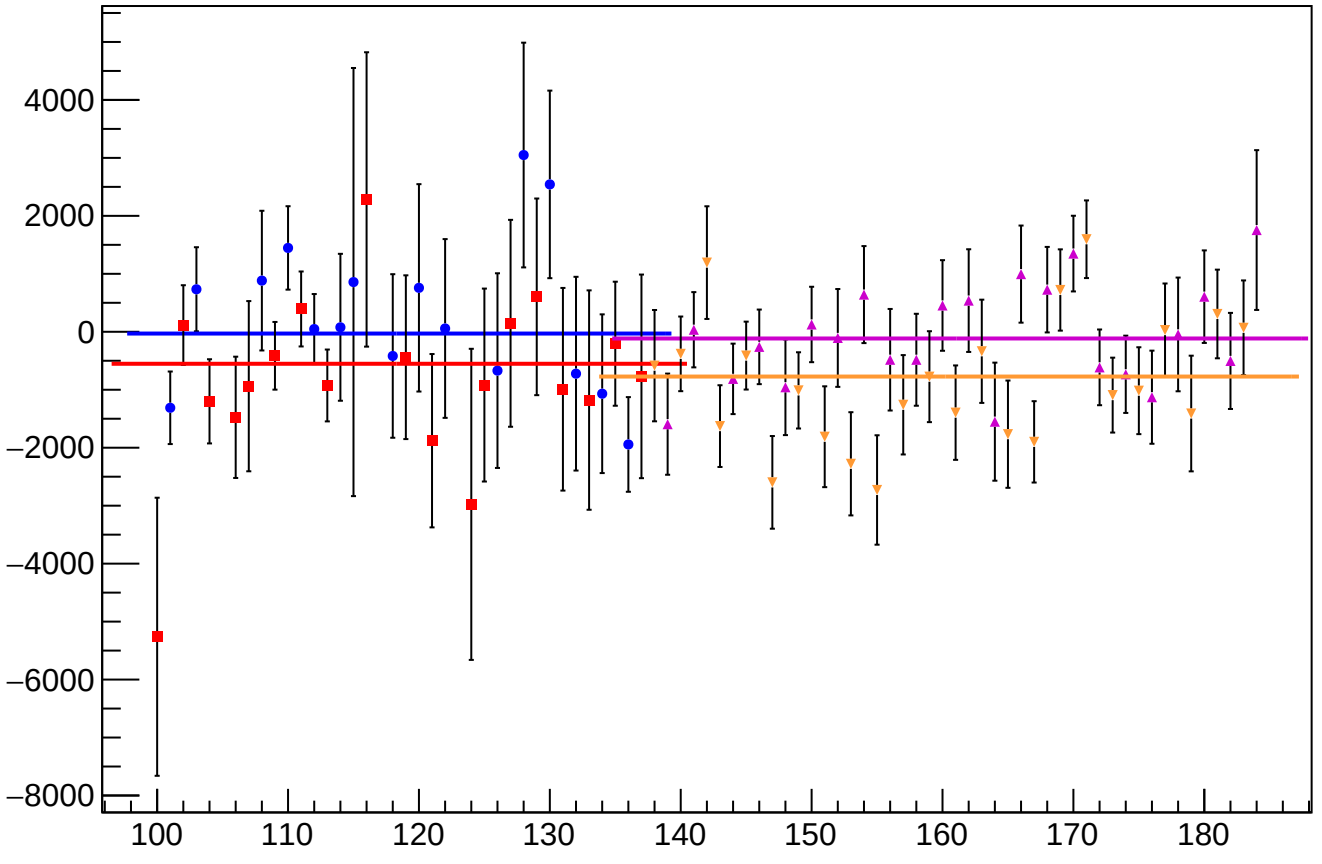
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.255+/-0.013 χ^2/NDF: 1946001.1/39

All: 92.585+/-0.009 χ^2/NDF: 4220838.5/81

- sign 91.912+/-0.013 χ^2/NDF: 2269616.6/41



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -772.316+/-157.689 χ^2/NDF:47.0/23

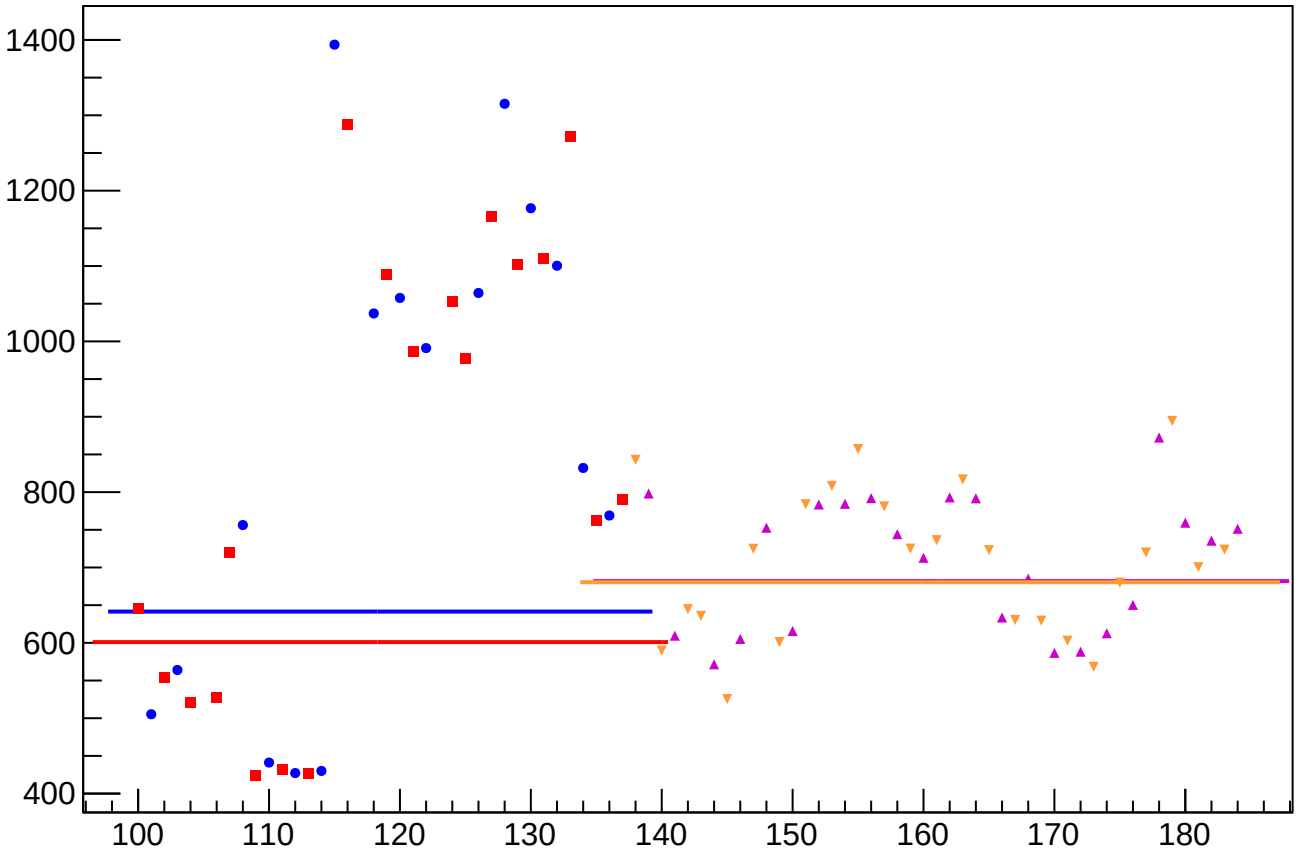
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -569.409+/-134.406 χ^2/NDF: 74.9/39

All: -409.635+/-94.703 χ^2/NDF: 116.6/81

- sign -252.101+/-133.460 χ^2/NDF: 38.9/41



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

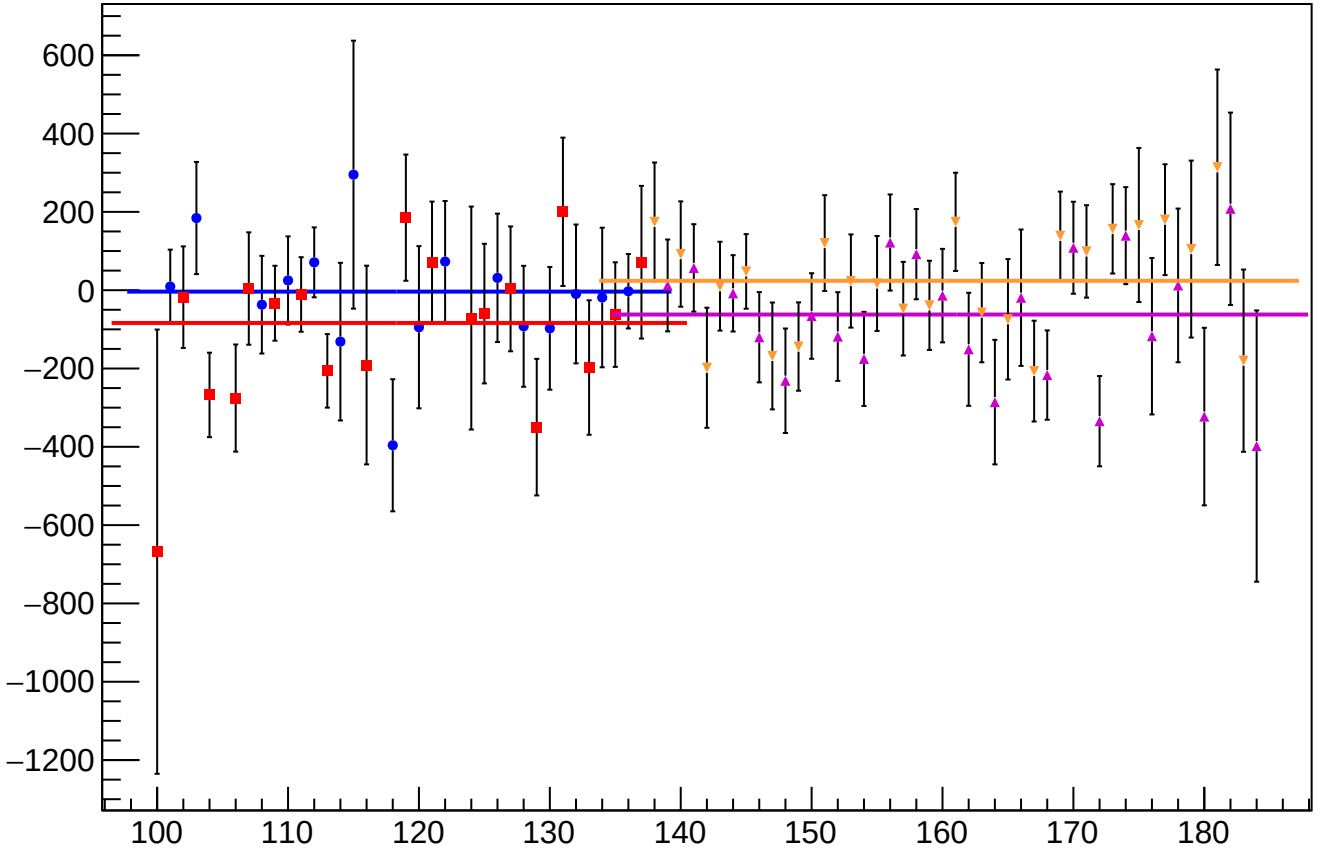
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 669.829+/-0.095 χ^2/NDF: 2637442.4/39

All: 663.160+/-0.067 χ^2/NDF: 5456295.7/81

- sign 656.585+/-0.094 χ^2/NDF: 2809075.3/41

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

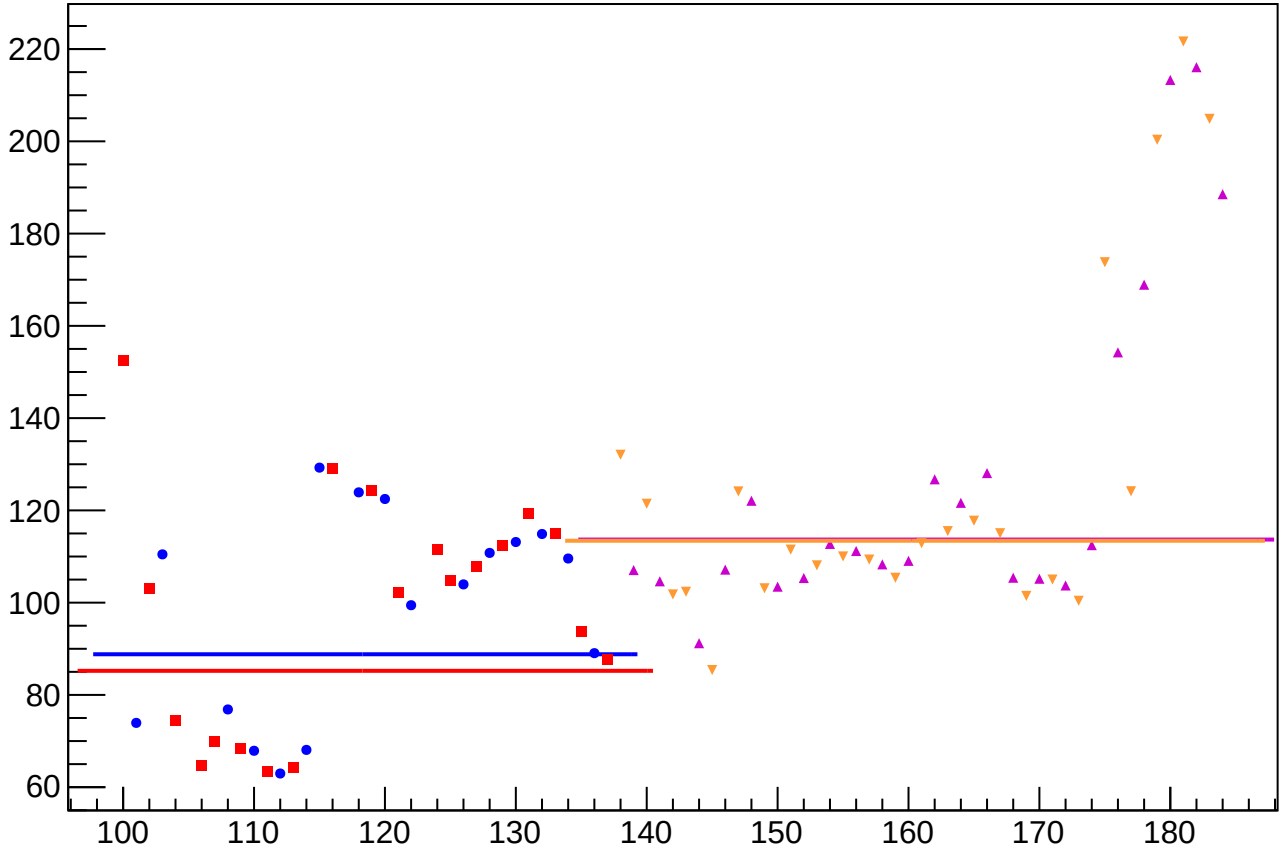
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 13.516+/-21.051 χ^2/NDF: 31.9/39

All: -28.953+/-14.852 χ^2/NDF: 86.6/81

- sign -71.039+/-20.956 χ^2/NDF: 46.6/41

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

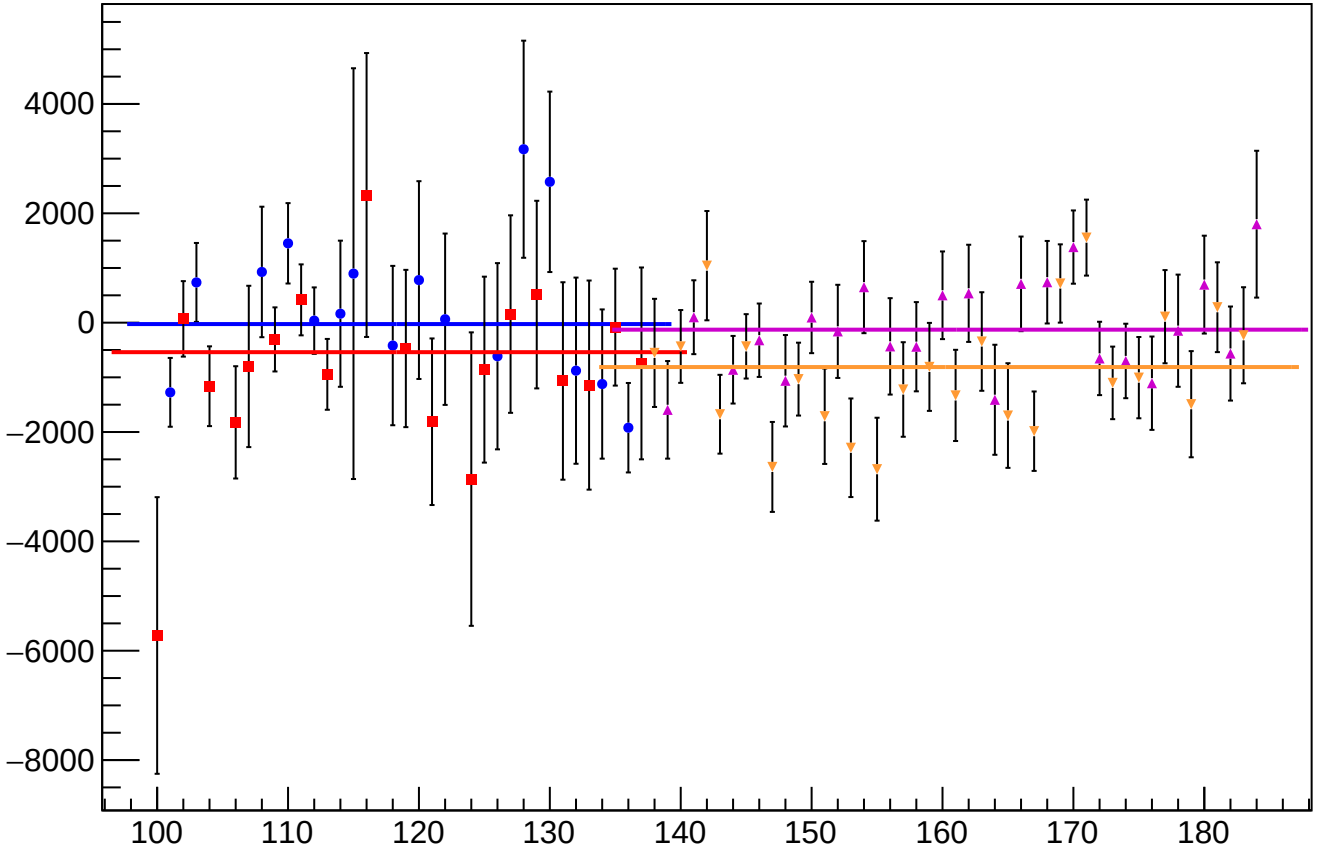
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 104.070+/-0.015 χ^2/NDF: 2898268.9/39

All: 103.001+/-0.011 χ^2/NDF: 6002002.0/81

- sign 101.943+/-0.015 χ^2/NDF: 3093479.4/41

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

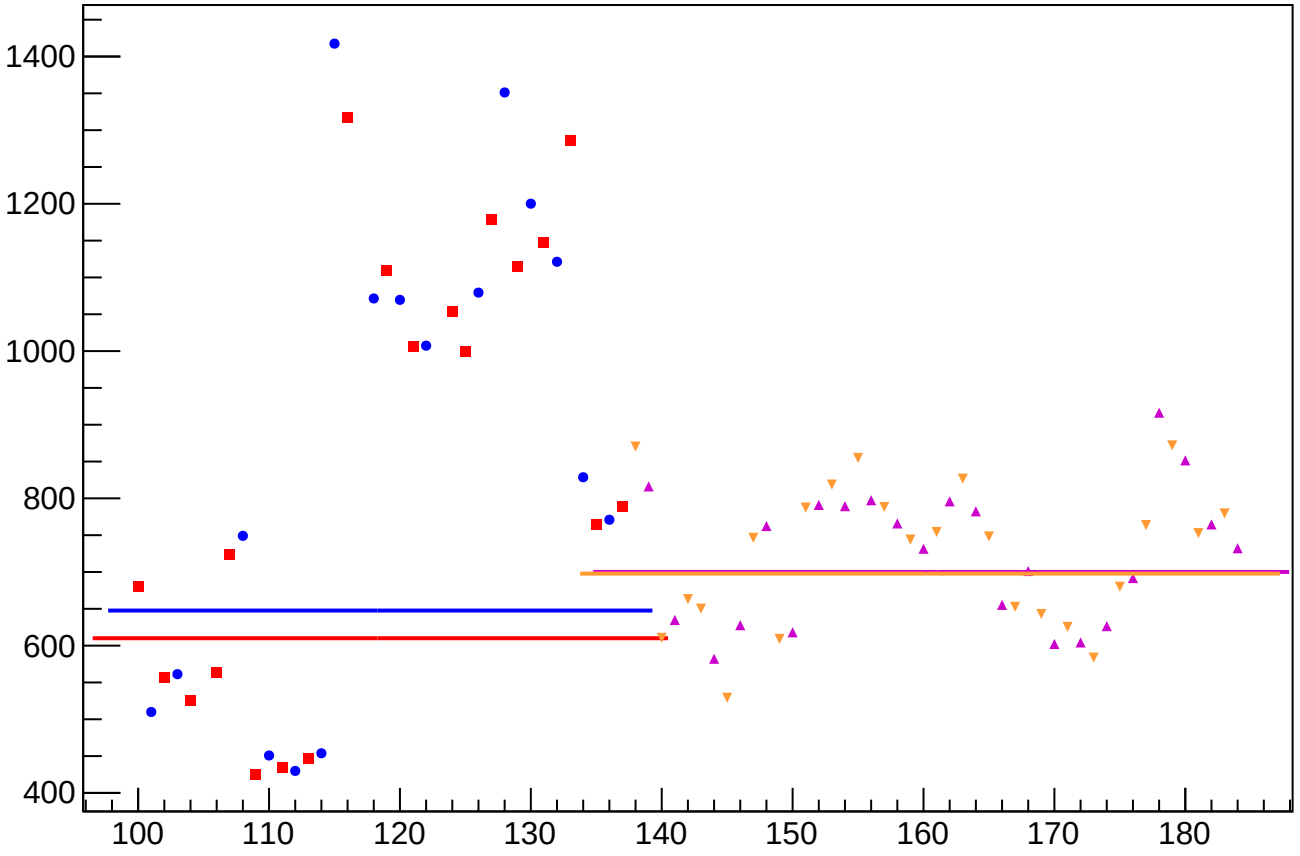
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -592.384+/-137.093 χ^2/NDF: 71.2/39

All: -425.056+/-96.670 χ^2/NDF: 112.5/81

- sign -259.576+/-136.334 χ^2/NDF: 38.4/41

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

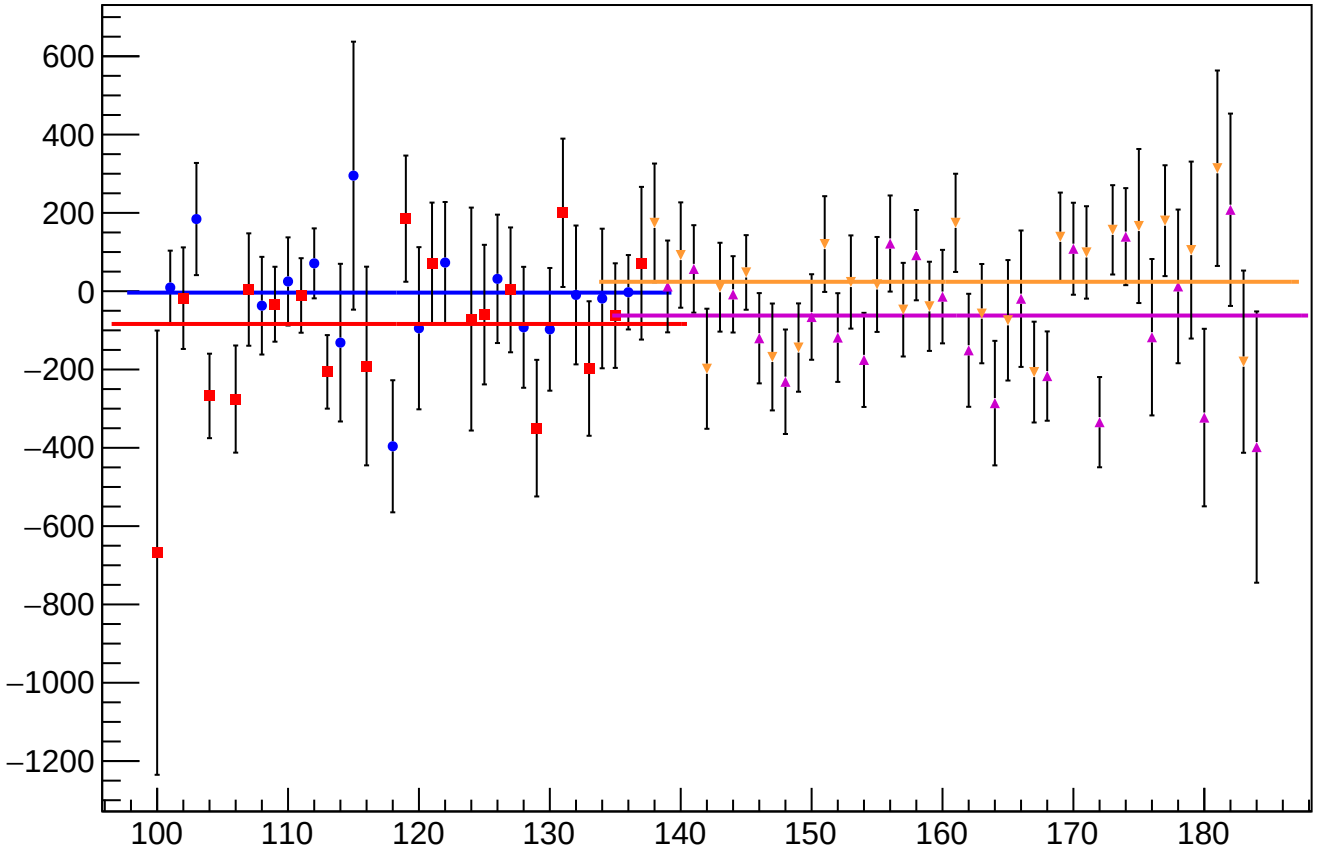
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

\+ sign 683.792+/-0.097 χ^2/NDF: 2655239.2/39

All: 677.526+/-0.068 χ^2/NDF: 5511657.8/81

\- sign 671.328+/-0.096 χ^2/NDF: 2848107.6/41

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

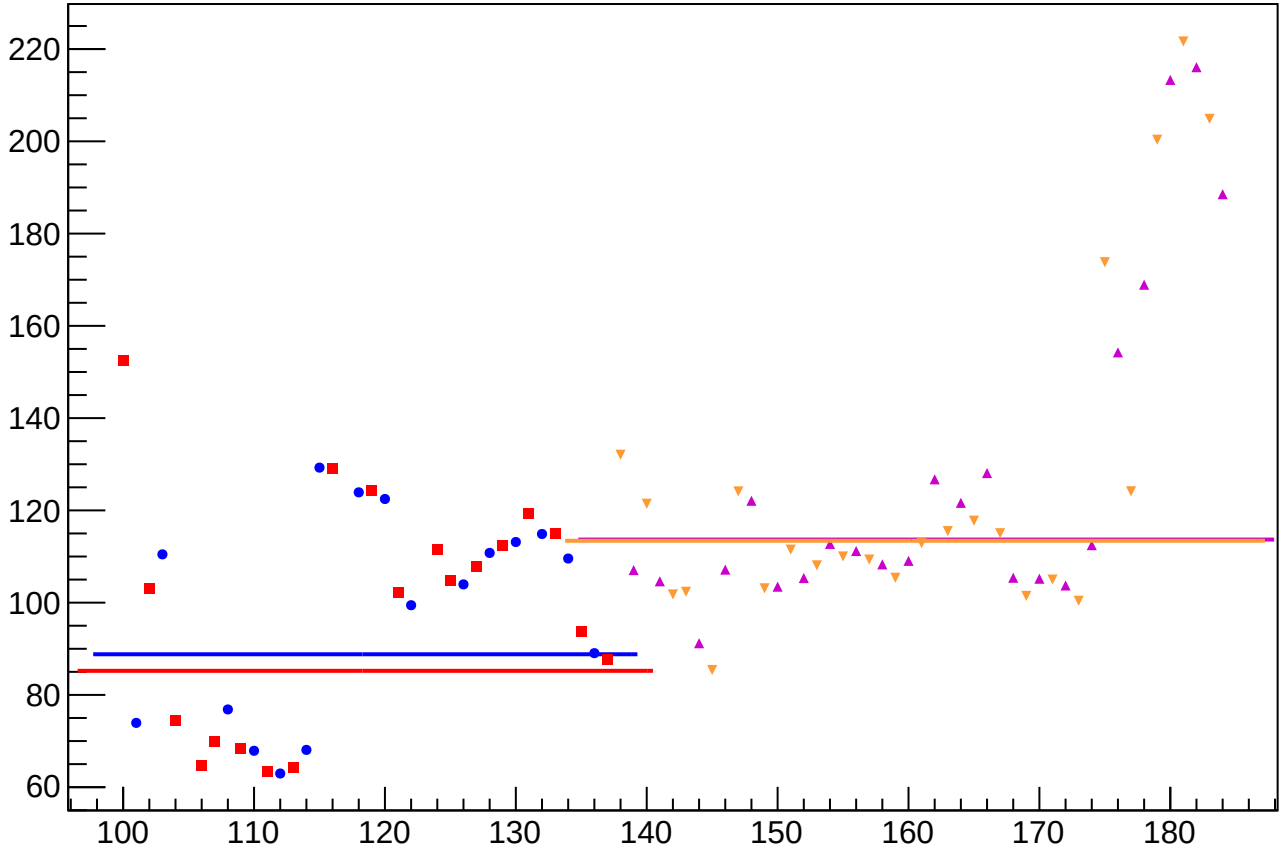
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 13.518+/-21.051 χ^2/NDF: 31.9/39

All: -28.952+/-14.852 χ^2/NDF: 86.6/81

- sign -71.039+/-20.956 χ^2/NDF: 46.6/41

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

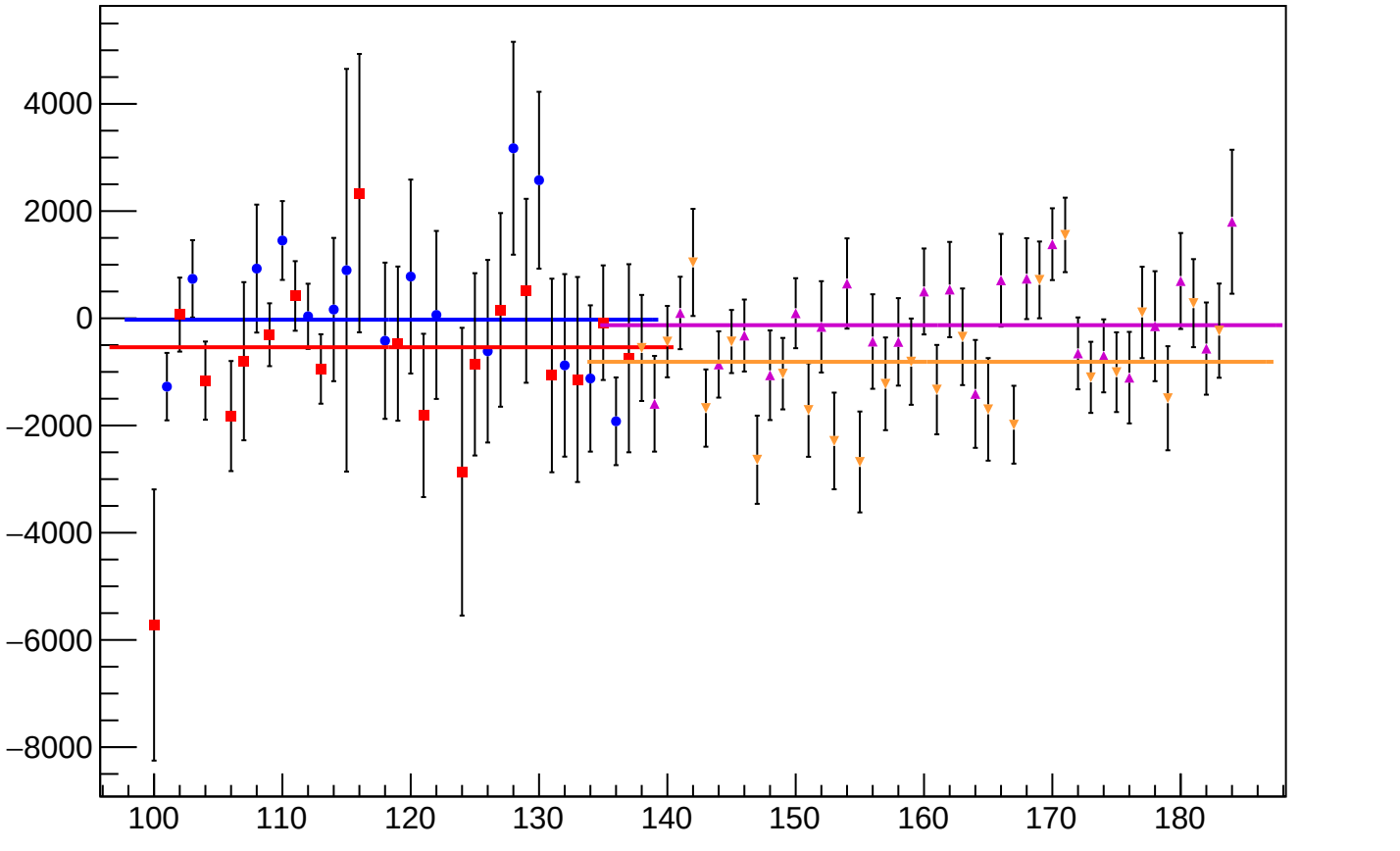
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 104.070+/-0.015 χ^2/NDF: 2898268.0/39

All: 103.001+/-0.011 χ^2/NDF: 6001993.5/81

- sign 101.943+/-0.015 χ^2/NDF: 3093471.8/41



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -811.980+/-161.489 χ^2/NDF:43.0/23

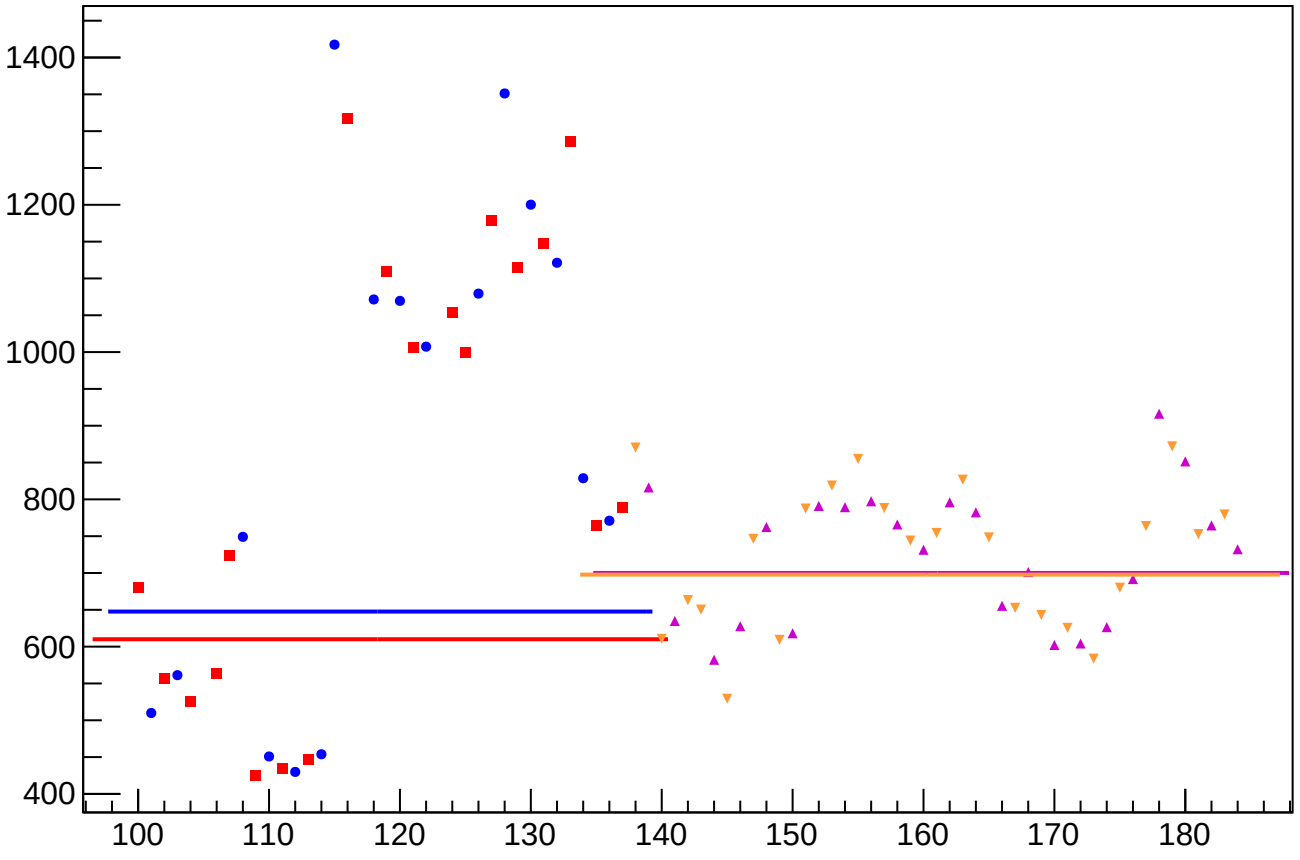
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -592.383+/-137.093 χ^2/NDF: 71.2/39

All: -425.055+/-96.670 χ^2/NDF: 112.5/81

- sign -259.576+/-136.334 χ^2/NDF: 38.4/41



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

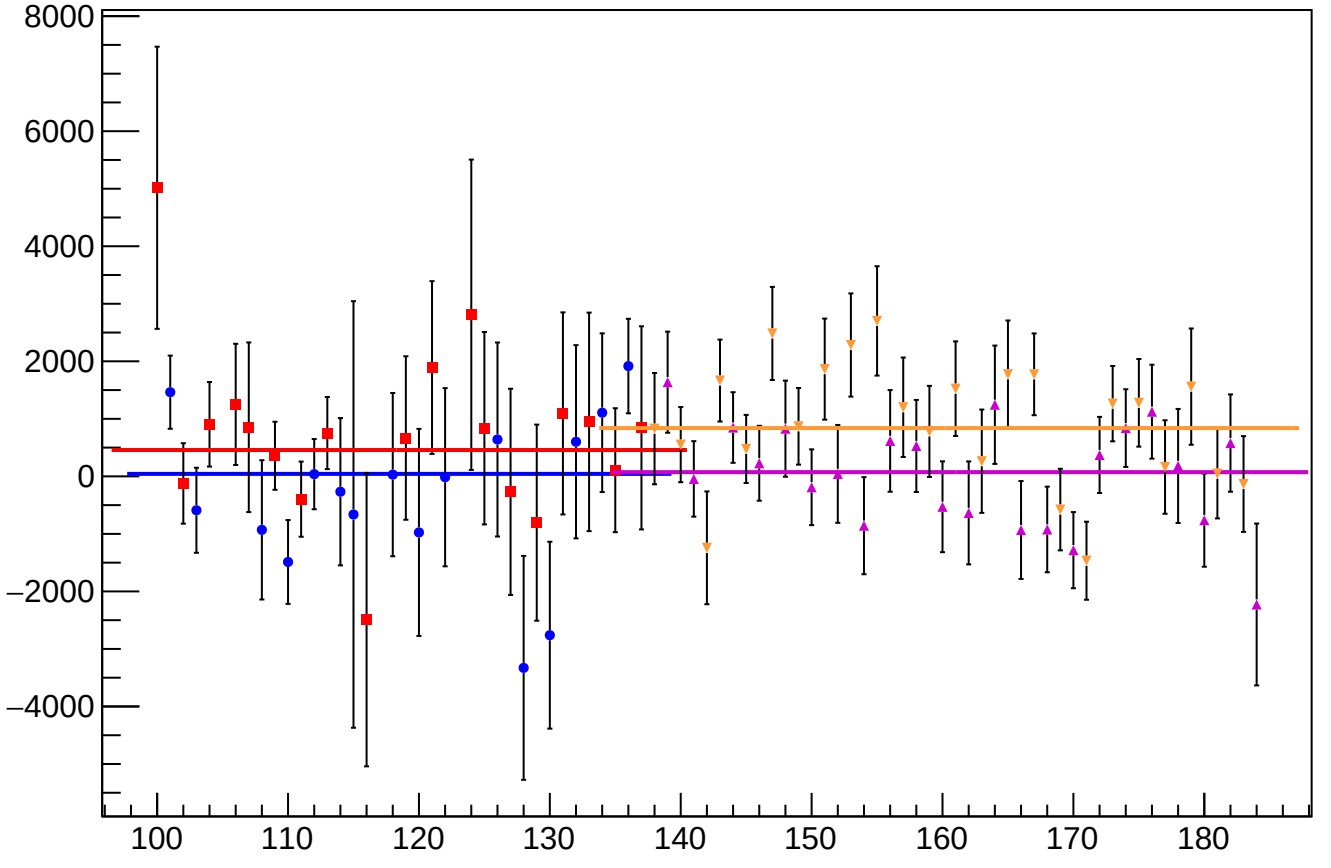
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 683.791+/-0.097 χ^2/NDF: 2655242.4/39

All: 677.525+/-0.068 χ^2/NDF: 5511659.9/81

- sign 671.328+/-0.096 χ^2/NDF: 2848106.6/41

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

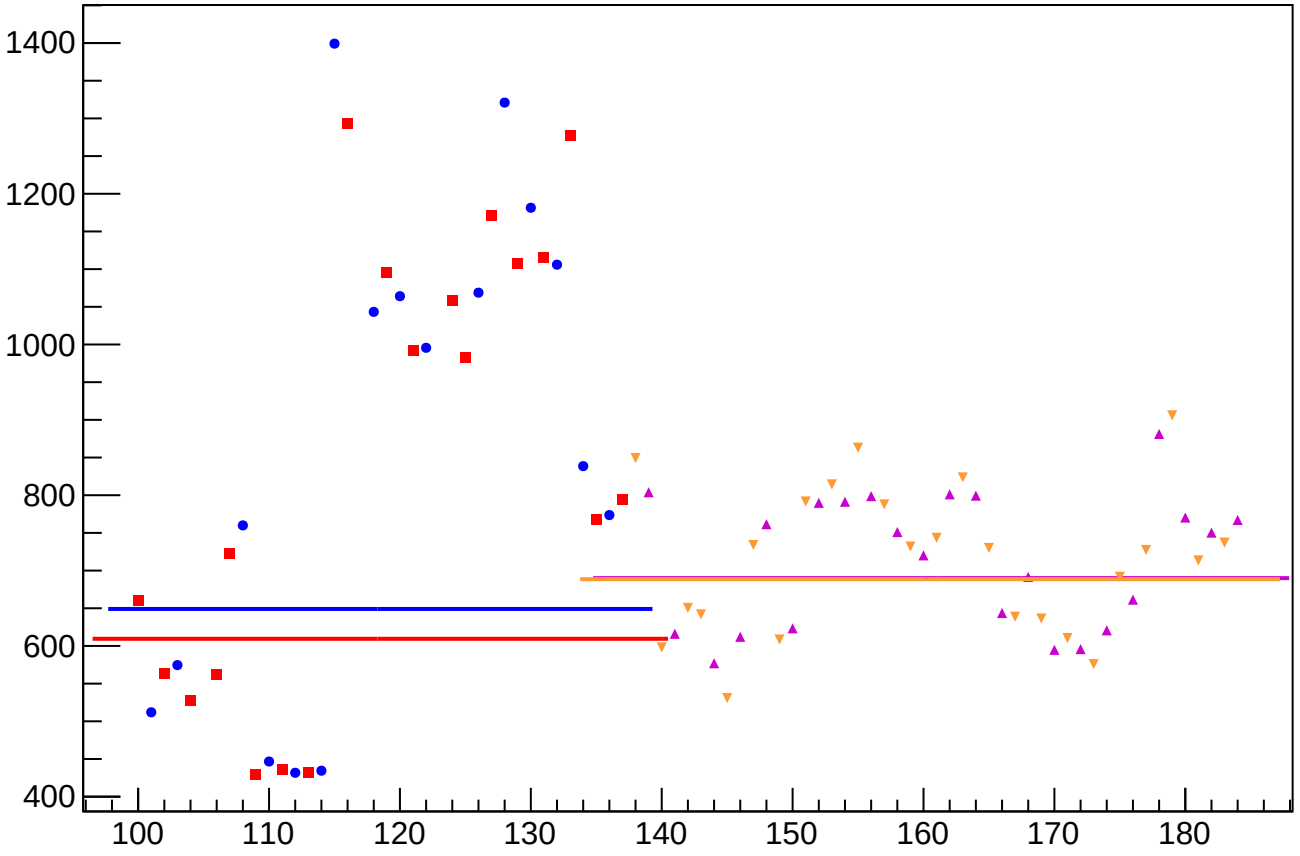
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 621.460+/-135.946 χ^2/NDF: 72.3/39

All: 406.197+/-95.782 χ^2/NDF: 115.2/81

- sign 194.015+/-134.970 χ^2/NDF: 37.9/41

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

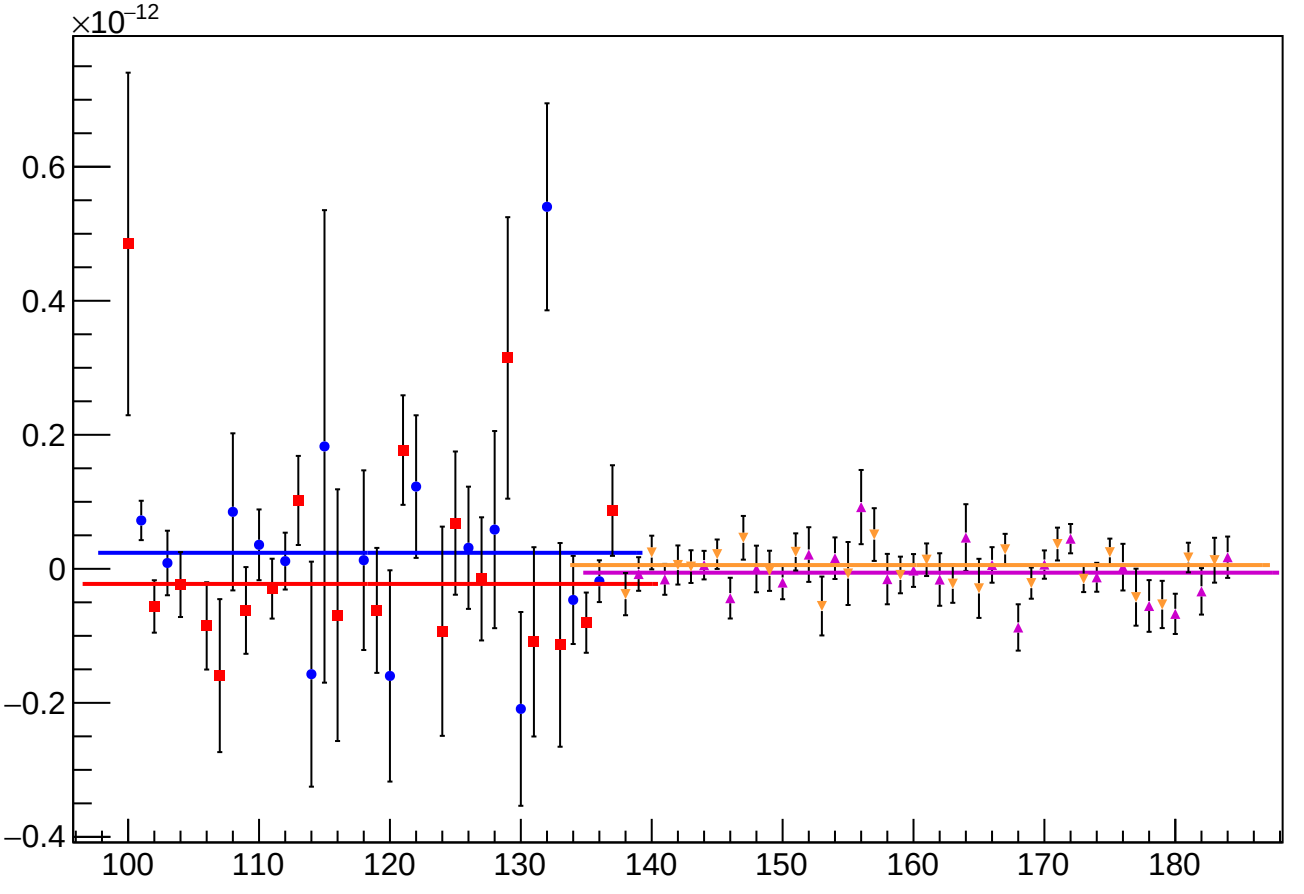
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 677.770+/-0.096 χ^2/NDF: 2599219.7/39

All: 671.228+/-0.068 χ^2/NDF: 5372098.7/81

- sign 664.779+/-0.095 χ^2/NDF: 2763681.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/23

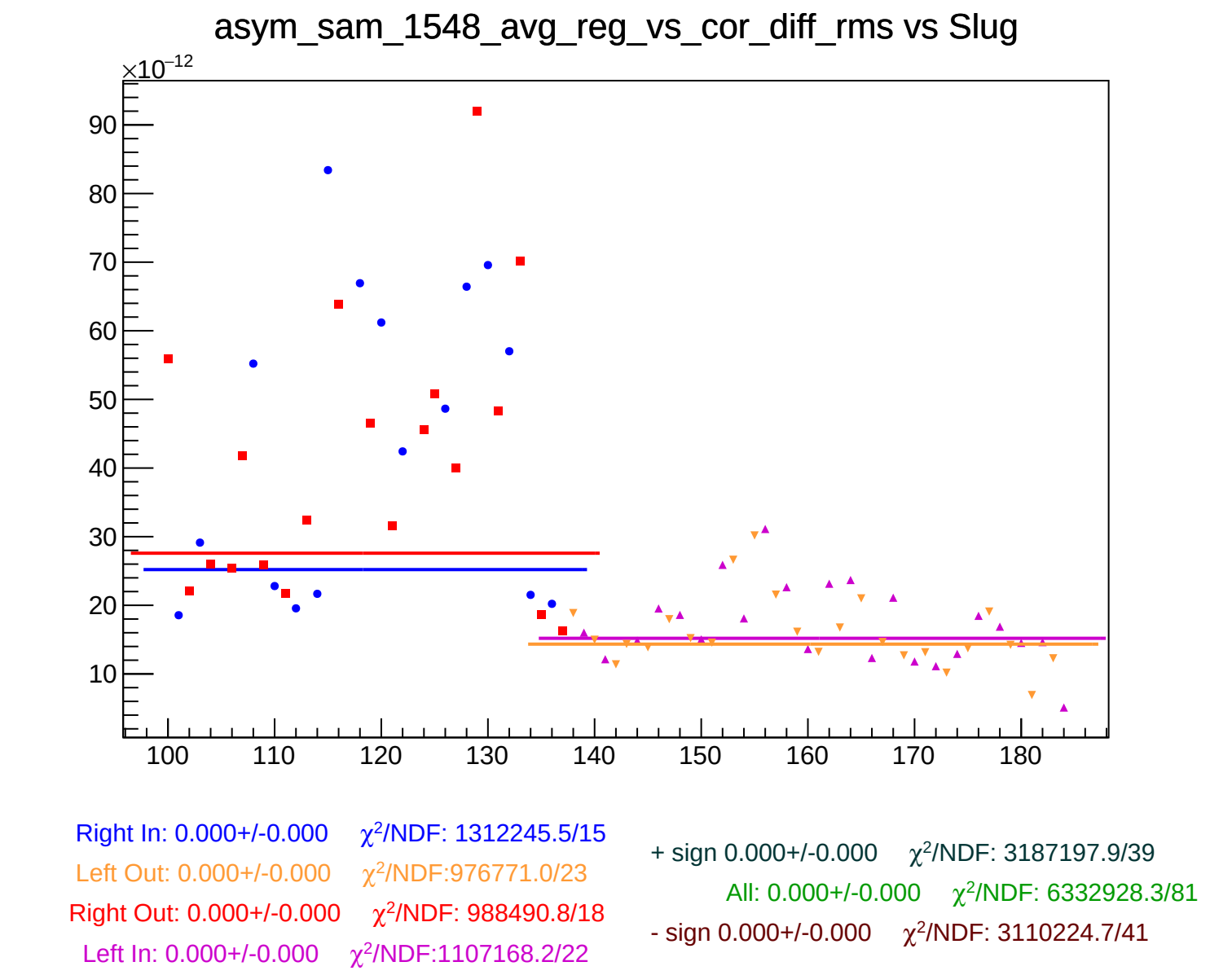
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/39

All: 0.000+/-0.000 χ^2/NDF: 102.8/81

- sign -0.000+/-0.000 χ^2/NDF: 53.0/41


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
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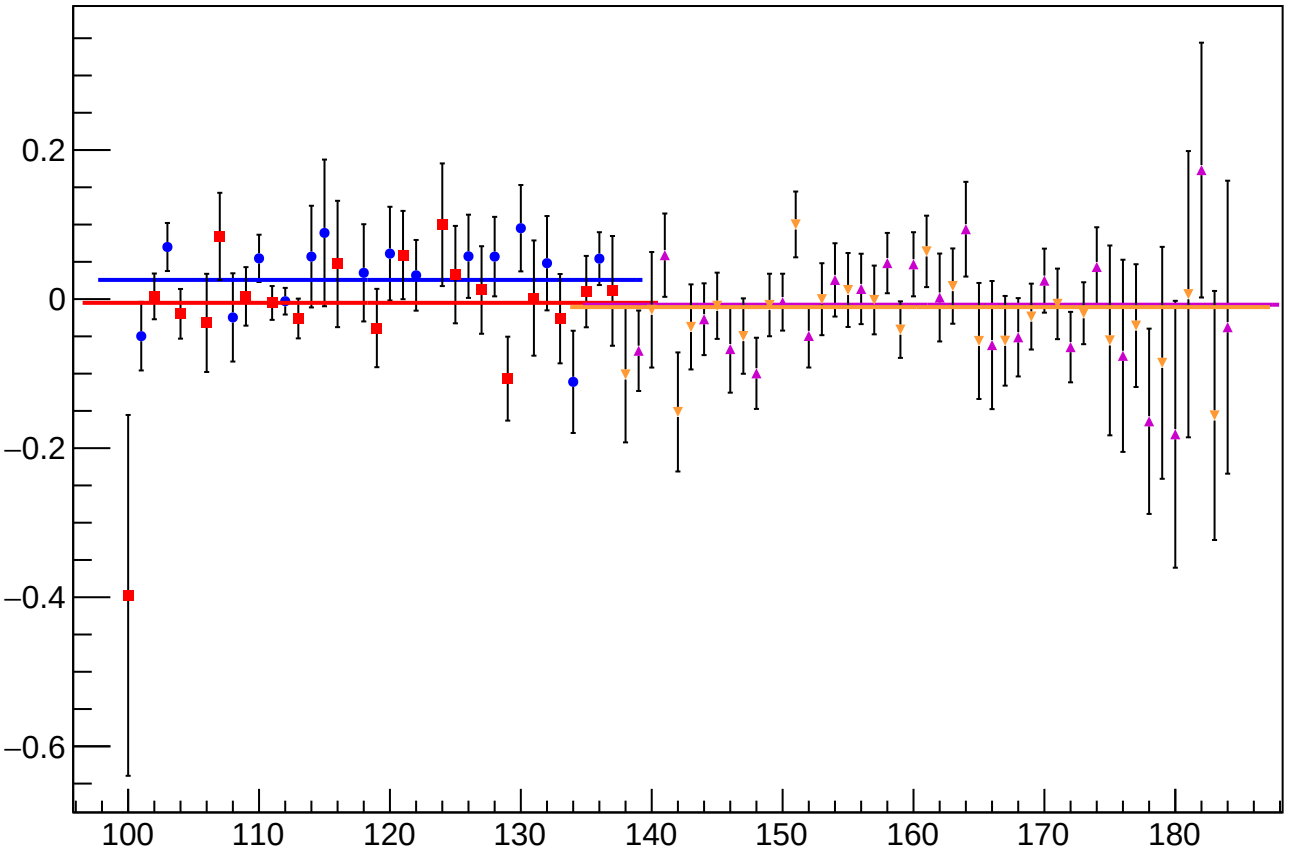
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:976771.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:1107168.2/22
+ sign 0.000+/-0.000 χ²/NDF: 3187197.9/39
All: 0.000+/-0.000 χ²/NDF: 6332928.3/81
- sign 0.000+/-0.000 χ²/NDF: 3110224.7/41



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

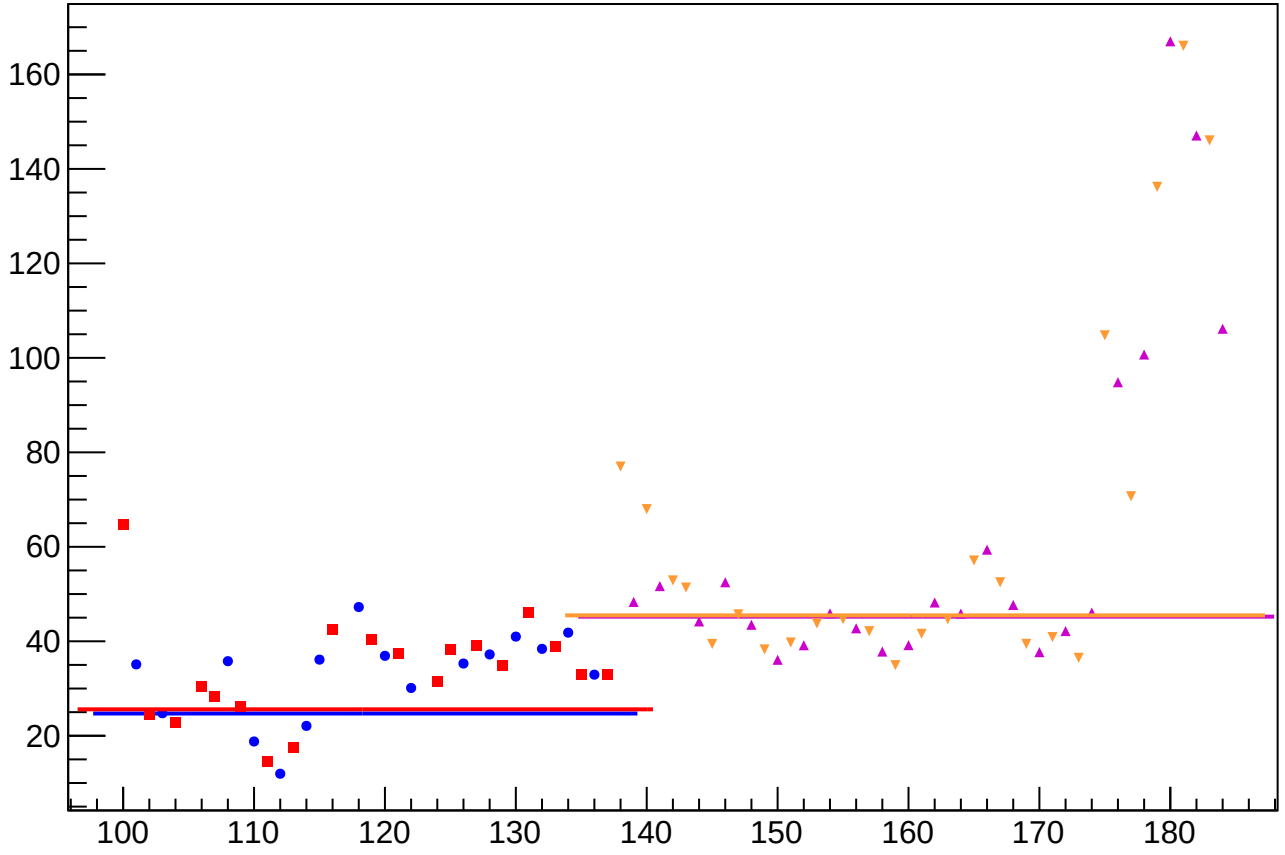
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 39.3/39

All: 0.001+/-0.005 χ^2/NDF: 78.2/81

- sign -0.006+/-0.008 χ^2/NDF: 36.9/41

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.486+/-0.008 χ^2/NDF:3793353.1/23

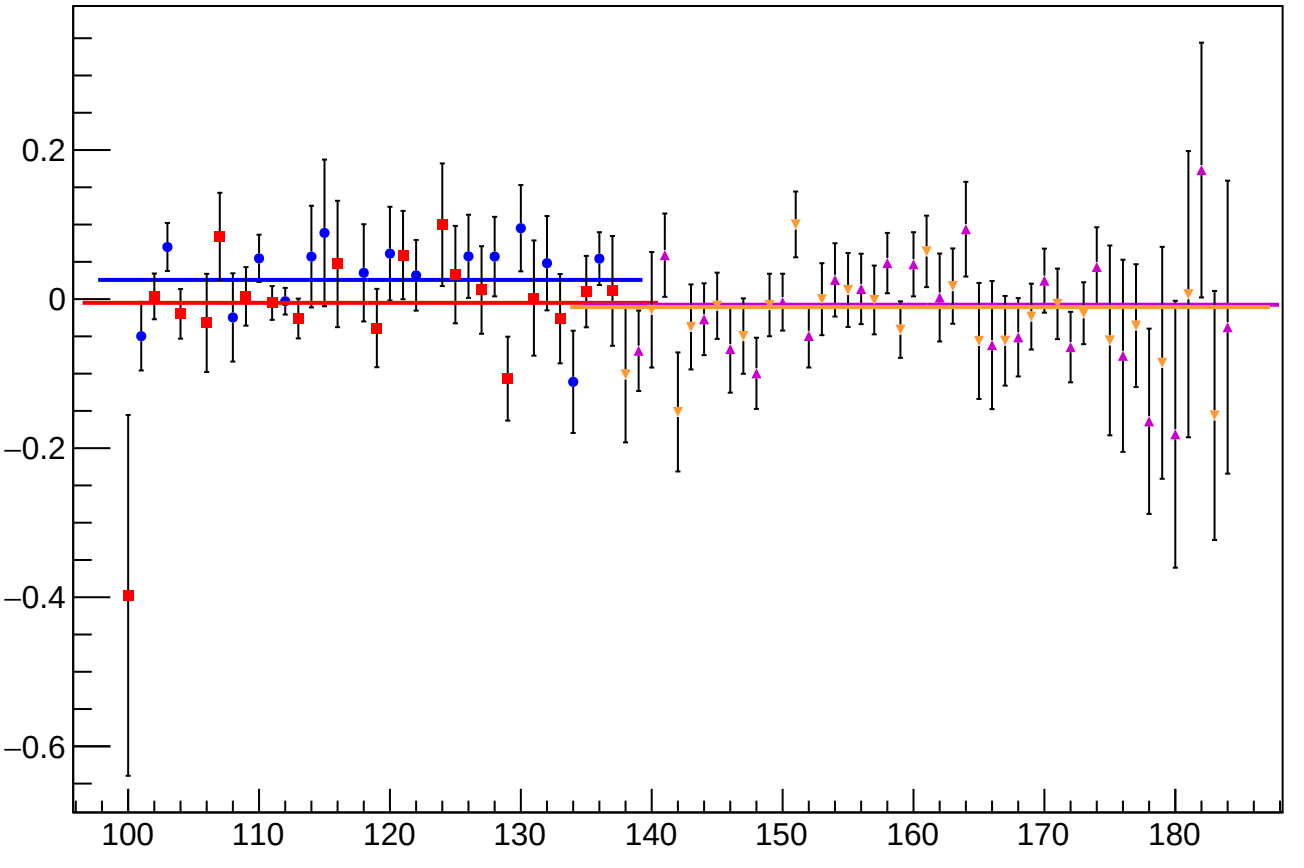
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.209+/-0.005 χ^2/NDF: 9767229.7/39

All: 34.328+/-0.004 χ^2/NDF: 17608868.5/81

- sign 34.447+/-0.005 χ^2/NDF: 7840674.7/41



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

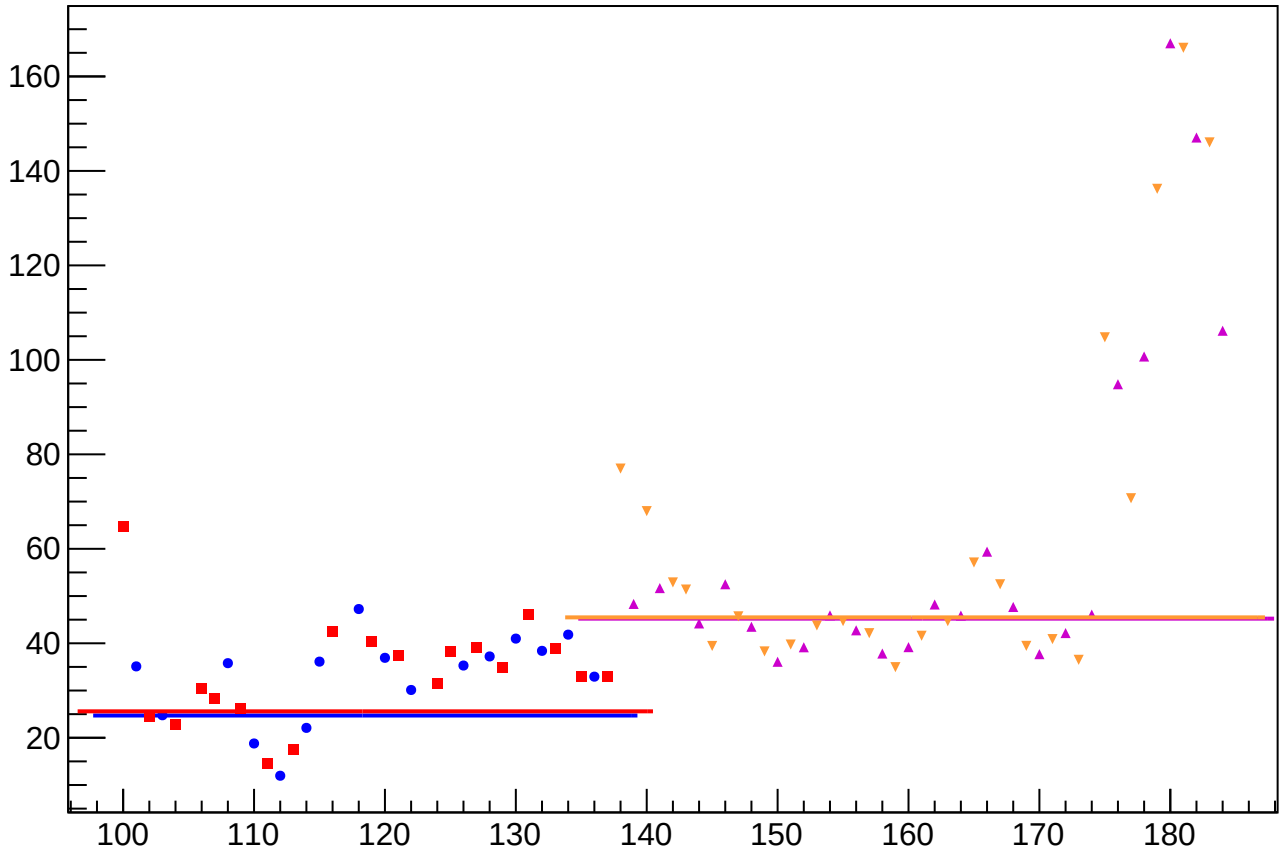
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 39.3/39

All: 0.001+/-0.005 χ^2/NDF: 78.2/81

- sign -0.006+/-0.008 χ^2/NDF: 36.9/41



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.486+/-0.008 χ^2/NDF:3793353.1/23

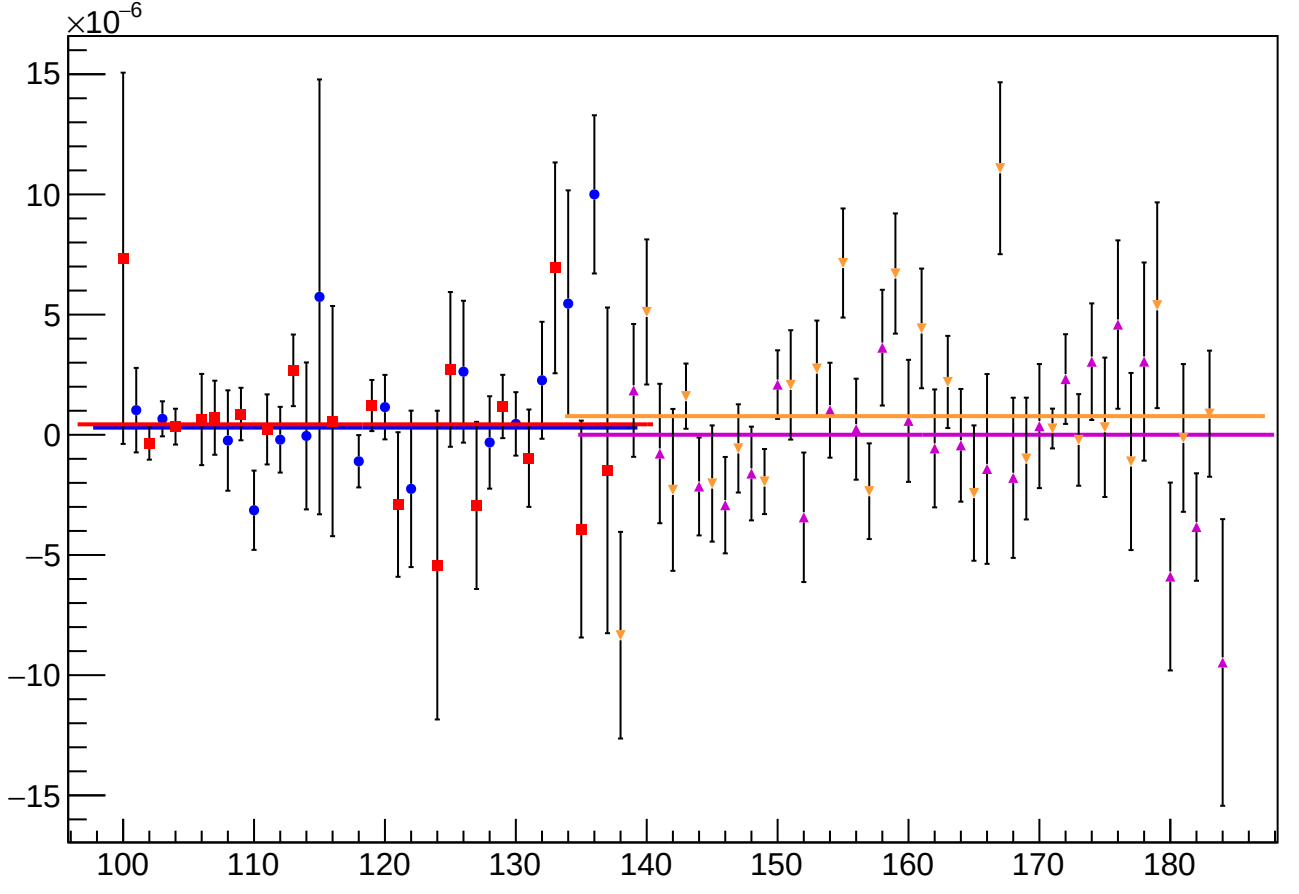
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.209+/-0.005 χ^2/NDF: 9767229.7/39

All: 34.328+/-0.004 χ^2/NDF: 17608868.5/81

- sign 34.447+/-0.005 χ^2/NDF: 7840674.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.9/23

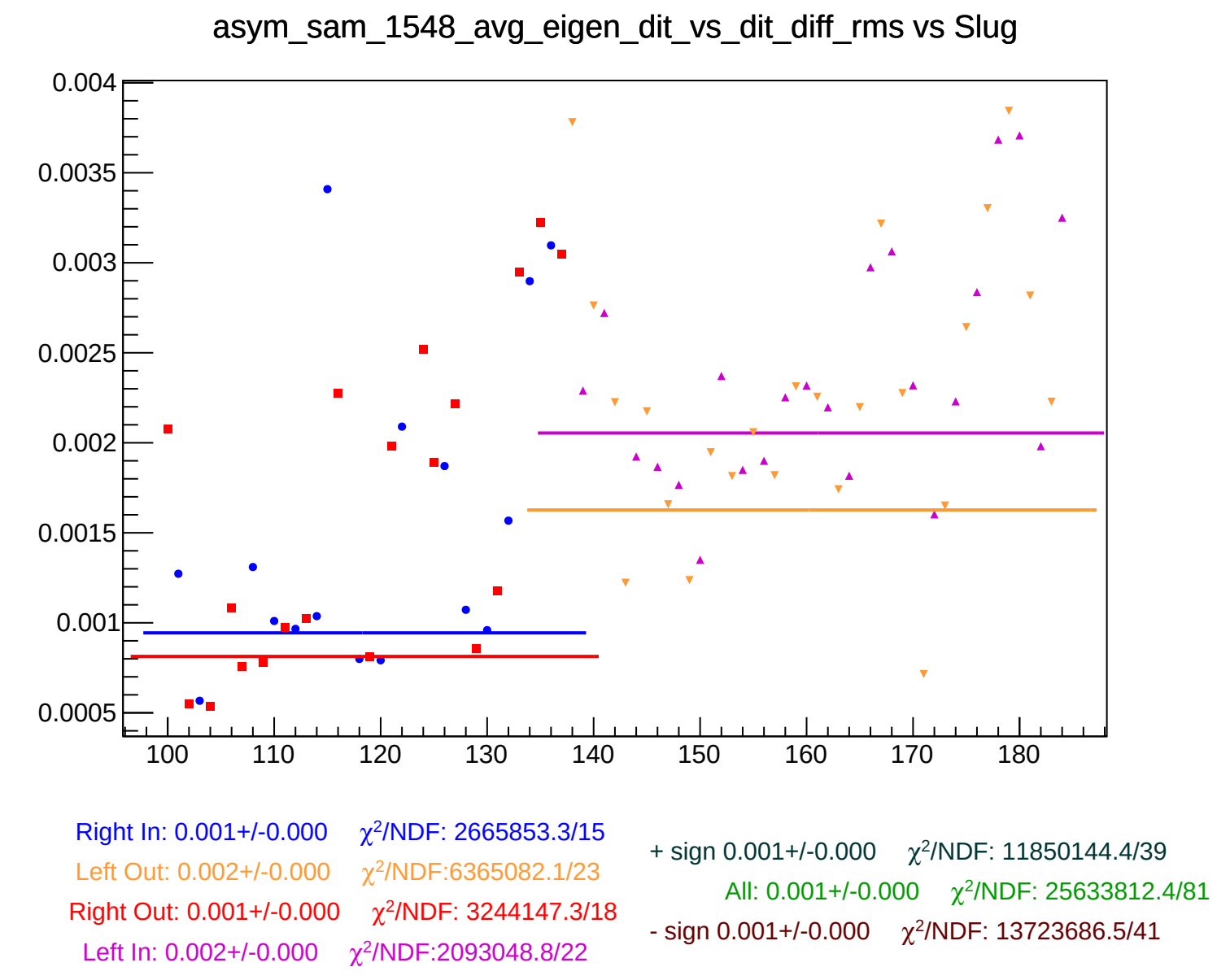
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/39

All: 0.000+/-0.000 χ^2/NDF: 103.9/81

- sign 0.000+/-0.000 χ^2/NDF: 37.7/41


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.004
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0.003
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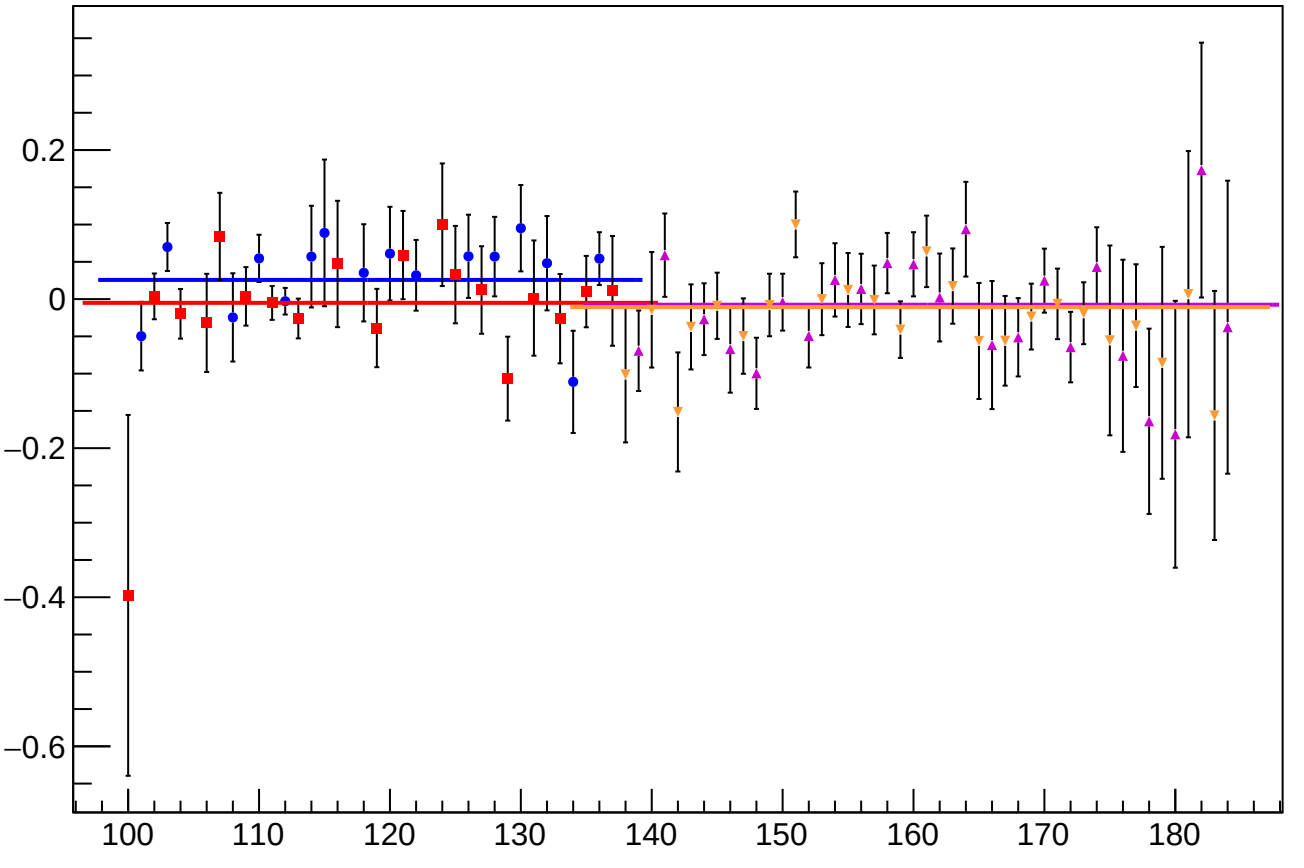
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:6365082.1/23
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:2093048.8/22
+ sign 0.001+/-0.000 χ²/NDF: 11850144.4/39
All: 0.001+/-0.000 χ²/NDF: 25633812.4/81
- sign 0.001+/-0.000 χ²/NDF: 13723686.5/41



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

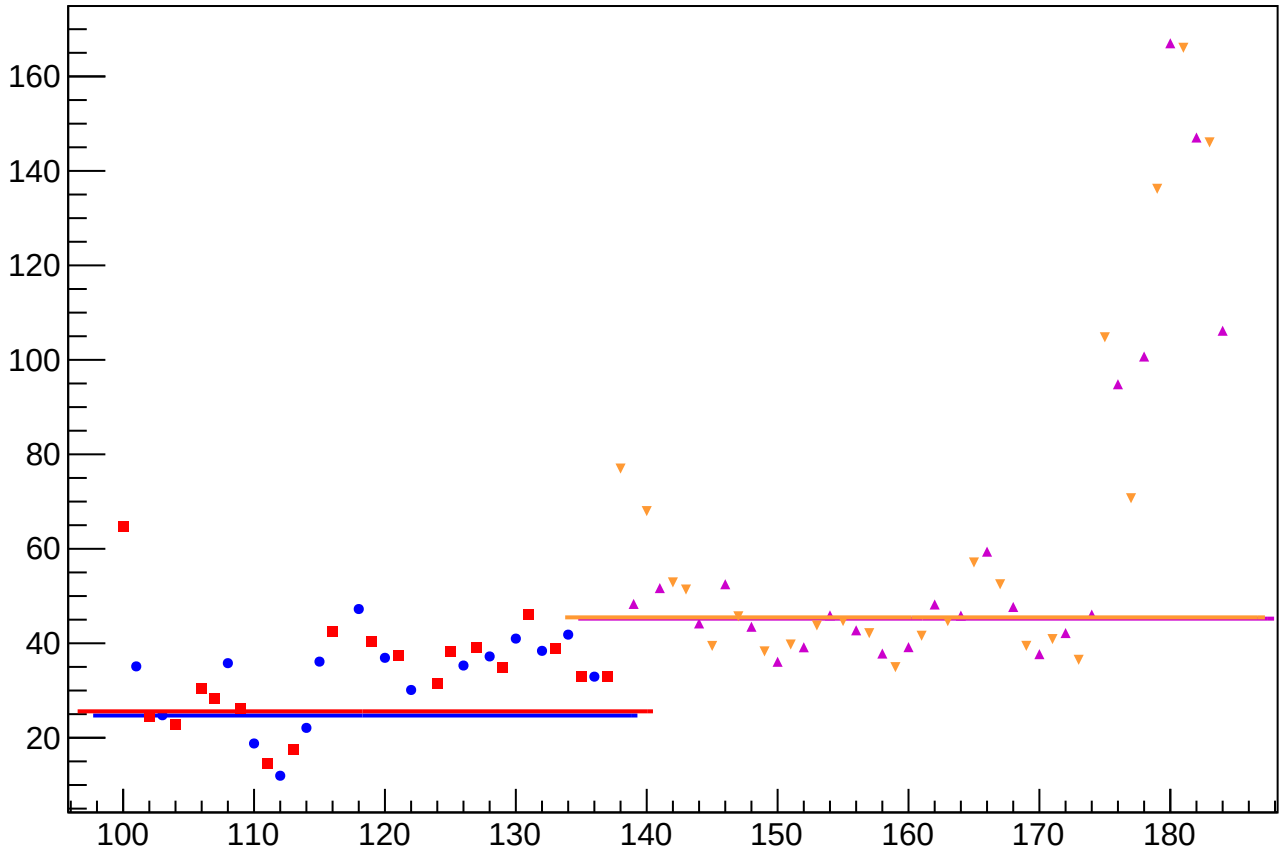
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 39.3/39

All: 0.001+/-0.005 χ^2/NDF: 78.2/81

- sign -0.006+/-0.008 χ^2/NDF: 36.9/41



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.487+/-0.008 χ^2/NDF:3793281.8/23

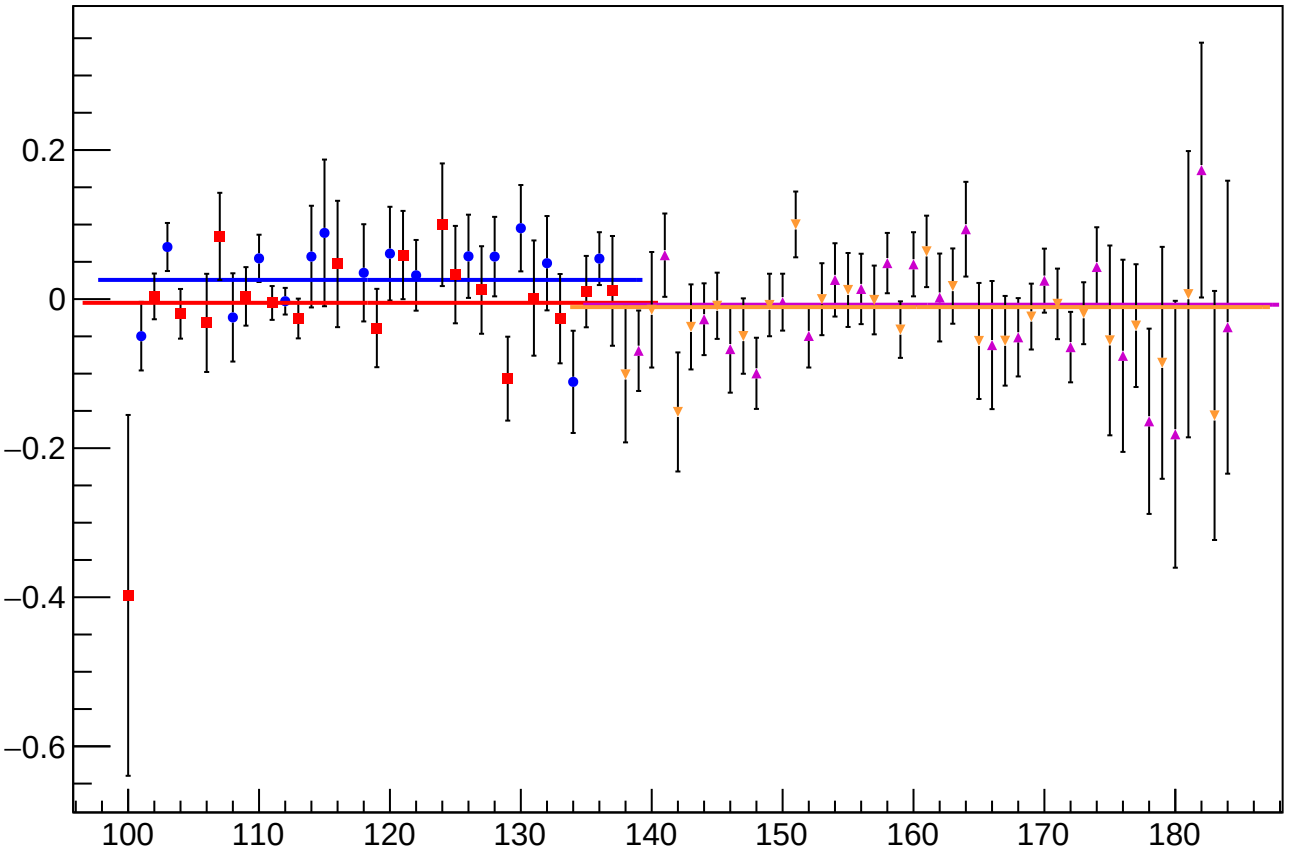
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.209+/-0.005 χ^2/NDF: 9767690.6/39

All: 34.327+/-0.004 χ^2/NDF: 17609677.0/81

- sign 34.447+/-0.005 χ^2/NDF: 7841021.0/41



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.011 χ^2/NDF:17.1/23

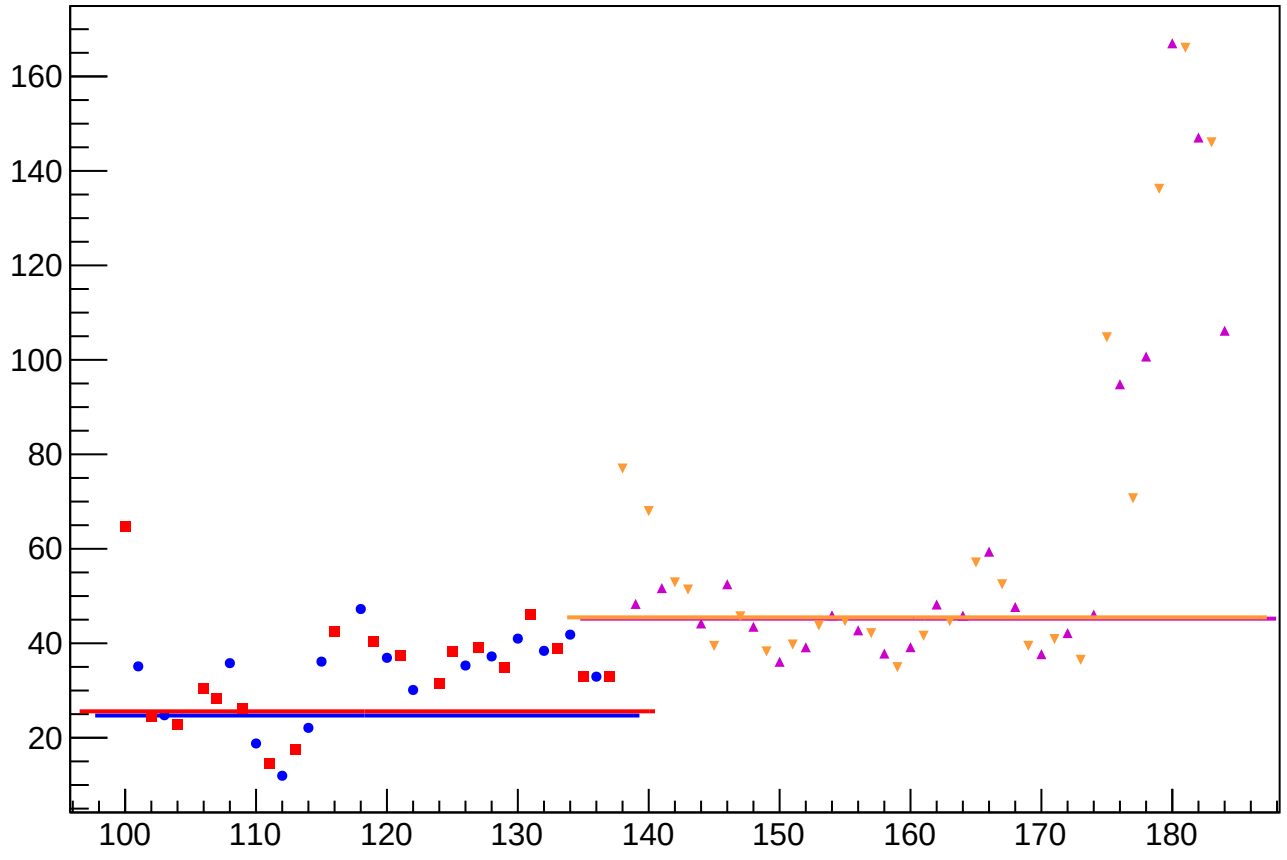
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 39.3/39

All: 0.001+/-0.005 χ^2/NDF: 78.2/81

- sign -0.006+/-0.008 χ^2/NDF: 36.9/41



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.487+/-0.008 χ^2/NDF:3793281.8/23

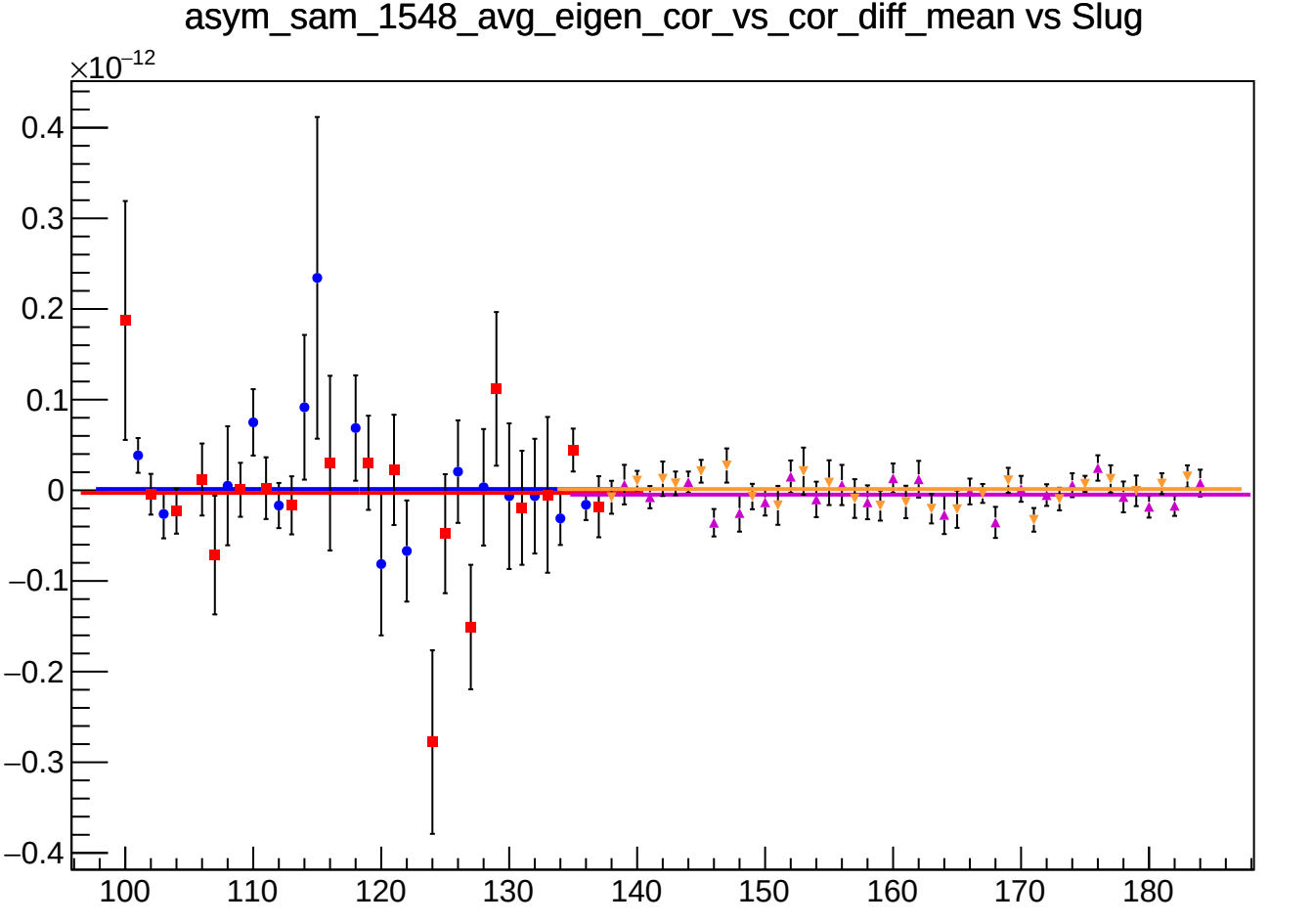
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.209+/-0.005 χ^2/NDF: 9767690.6/39

All: 34.327+/-0.004 χ^2/NDF: 17609677.0/81

- sign 34.447+/-0.005 χ^2/NDF: 7841021.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/23

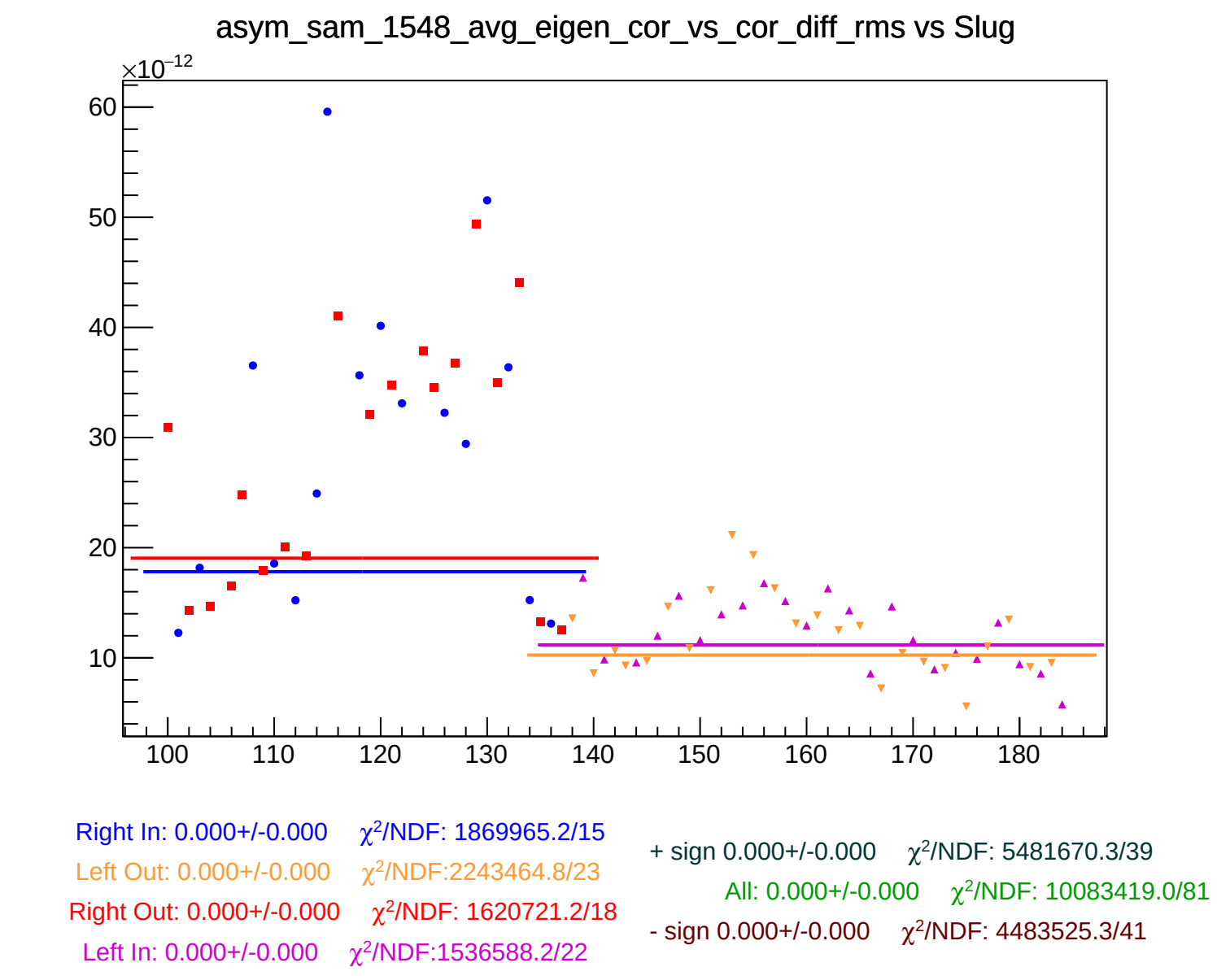
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.2/39

All: -0.000+/-0.000 χ^2/NDF: 91.5/81

- sign -0.000+/-0.000 χ^2/NDF: 47.2/41


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
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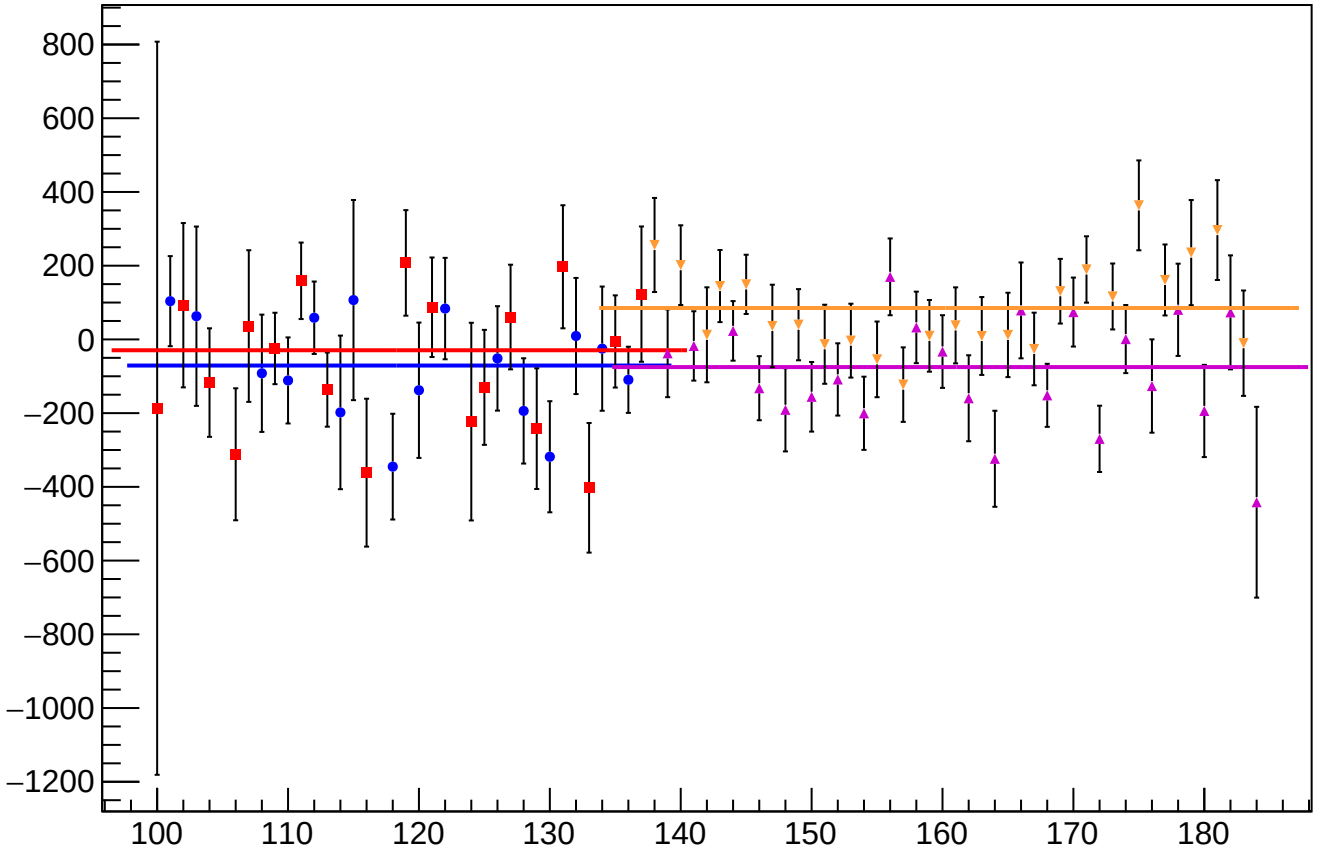
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2243464.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:1536588.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5481670.3/39
All: 0.000+/-0.000 χ²/NDF: 10083419.0/81
- sign 0.000+/-0.000 χ²/NDF: 4483525.3/41

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

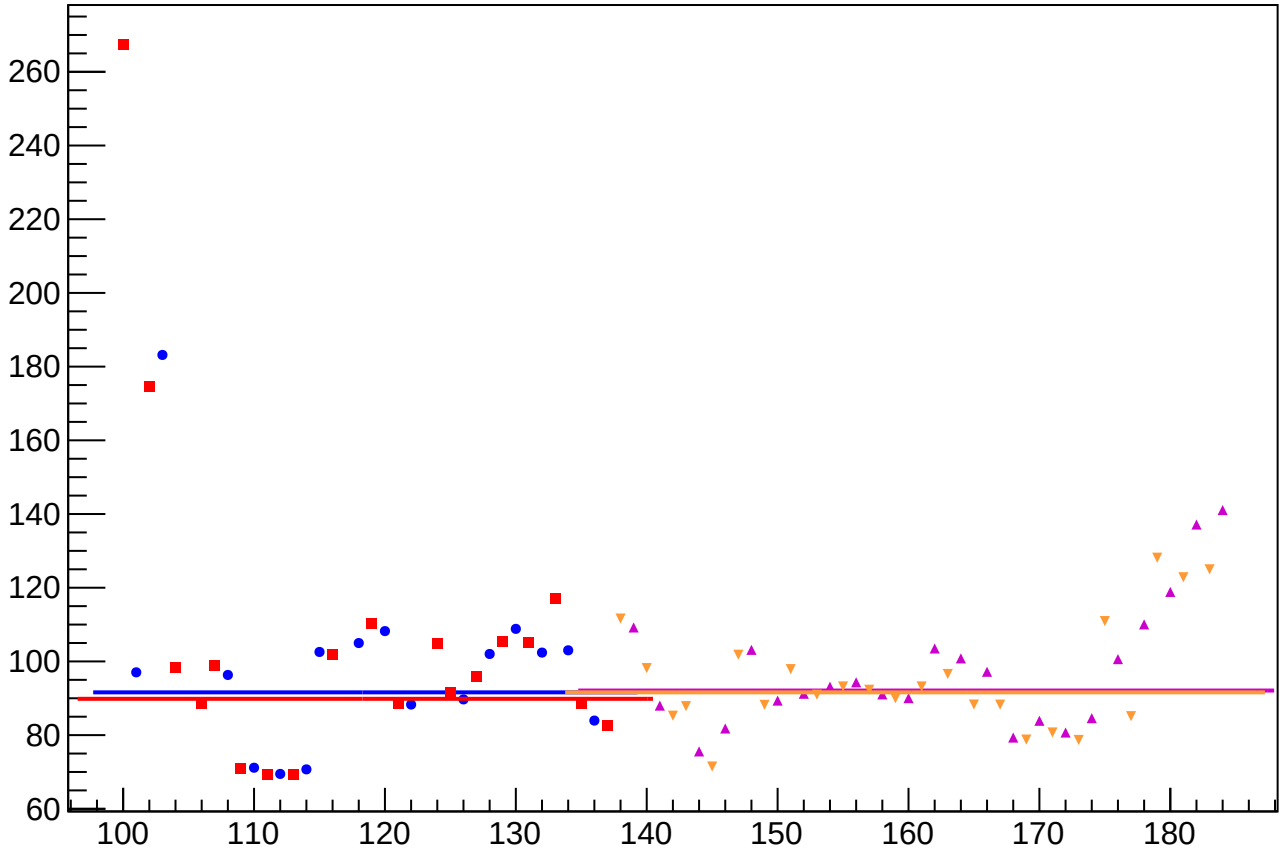
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 43.335+/-18.201 χ^2/NDF: 55.5/39

All: -8.654+/-12.944 χ^2/NDF: 129.9/81

- sign -61.854+/-18.412 χ^2/NDF: 57.9/41

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

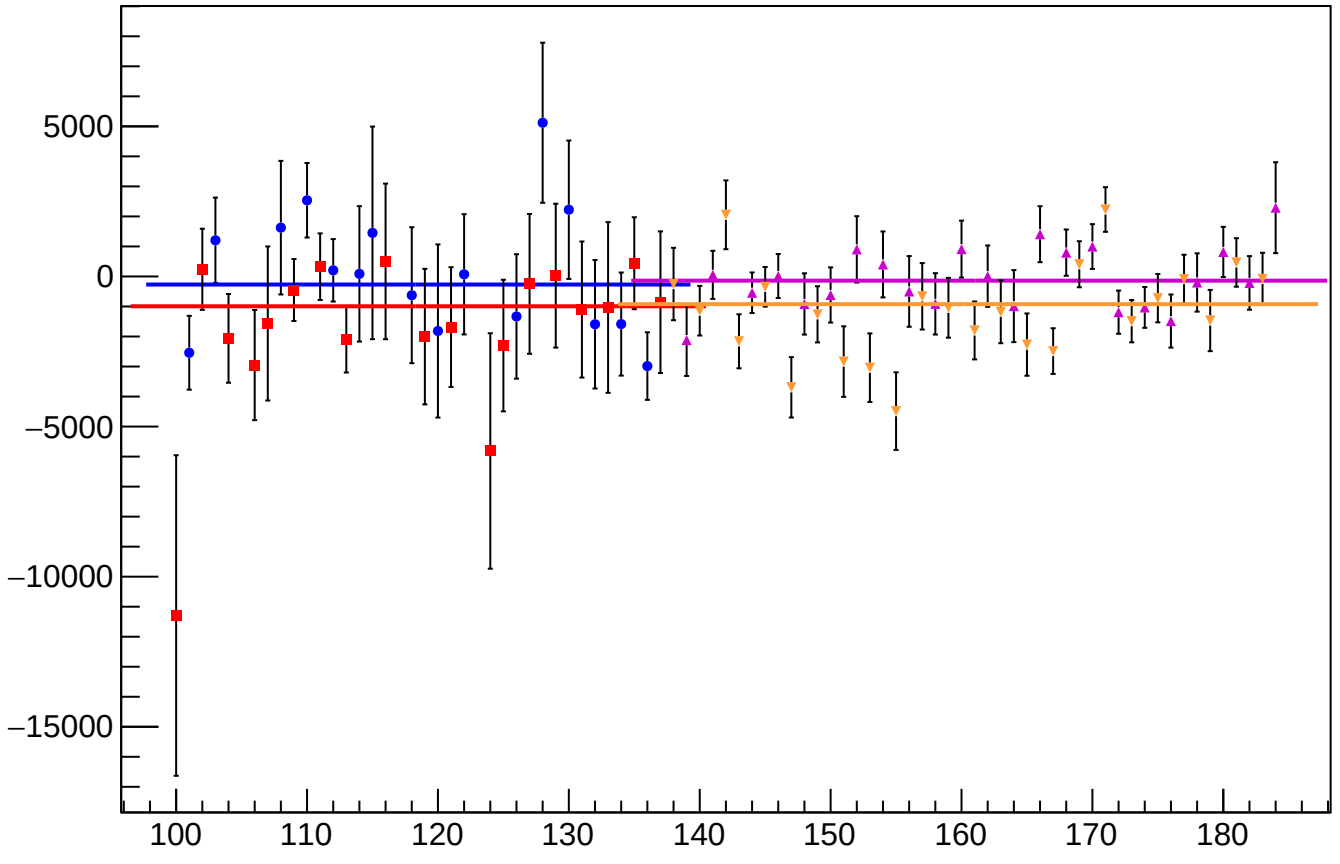
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.608+/-0.013 χ^2/NDF: 1326279.4/39

All: 91.530+/-0.009 χ^2/NDF: 2778348.4/81

- sign 91.451+/-0.013 χ^2/NDF: 1451995.7/41



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -921.577+/-184.018 χ^2/NDF:65.0/23

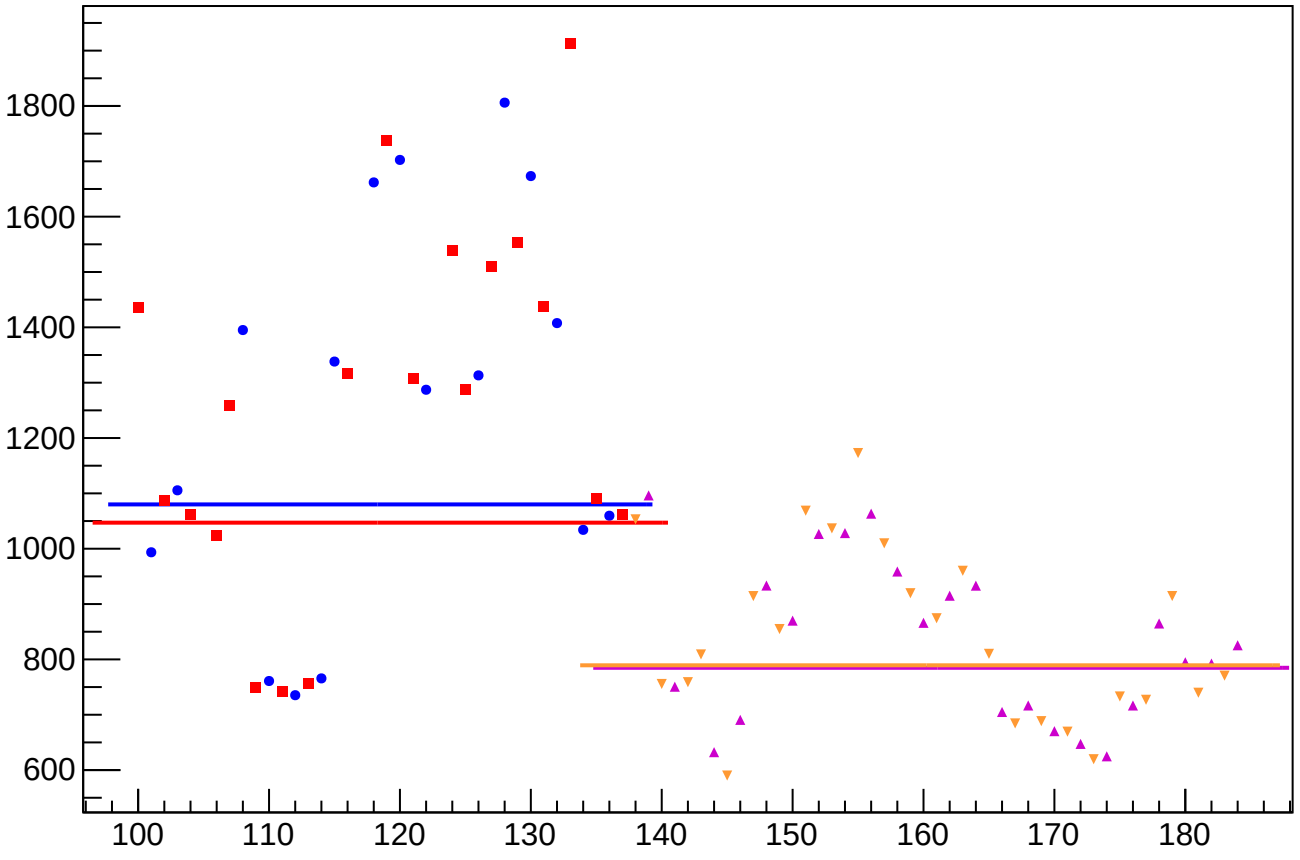
Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -816.219+/-168.523 χ^2/NDF: 90.4/39

All: -554.480+/-119.384 χ^2/NDF: 135.9/81

- sign -290.799+/-169.147 χ^2/NDF: 40.6/41



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

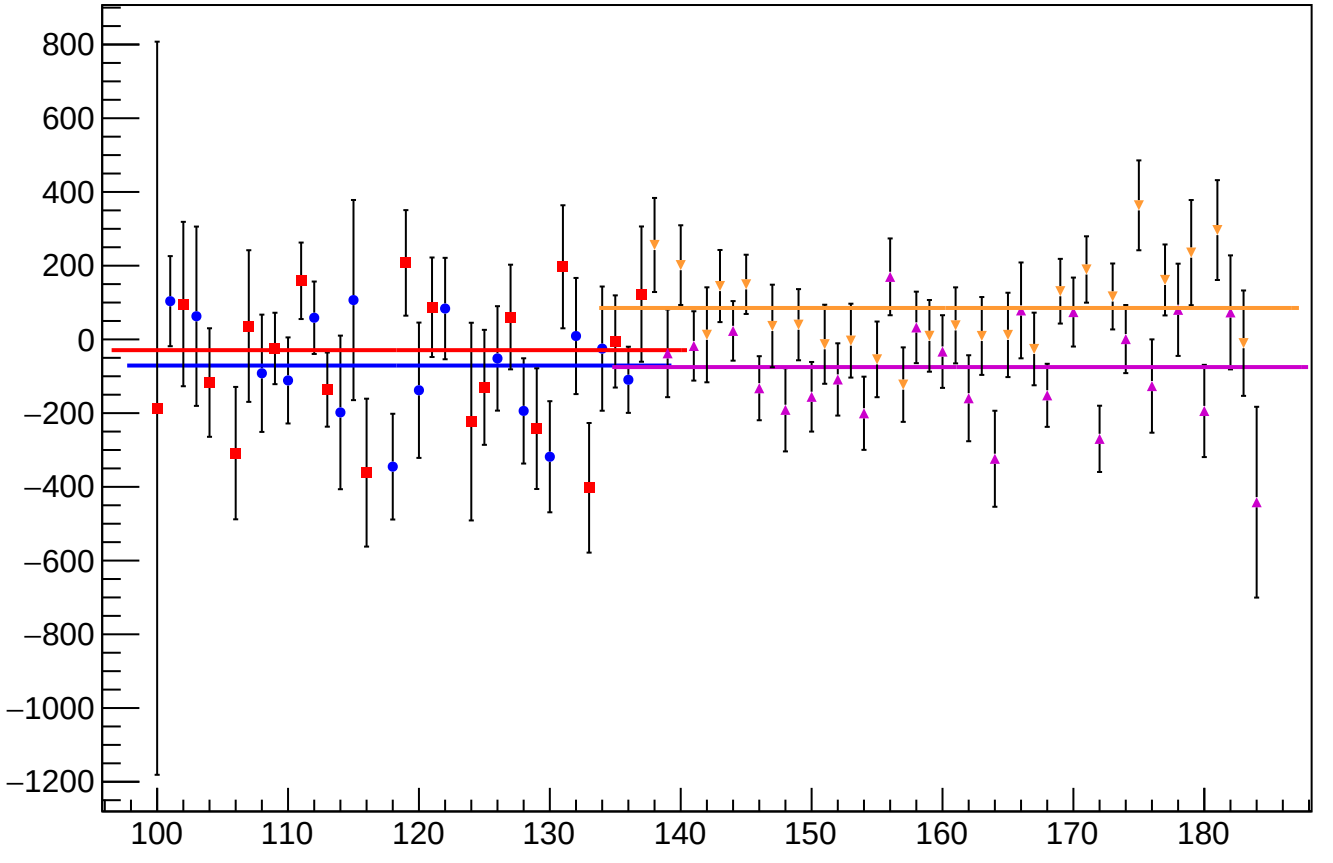
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 836.240+/-0.119 χ^2/NDF: 3049621.9/39

All: 833.895+/-0.084 χ^2/NDF: 6016399.4/81

- sign 831.532+/-0.120 χ^2/NDF: 2966000.2/41

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

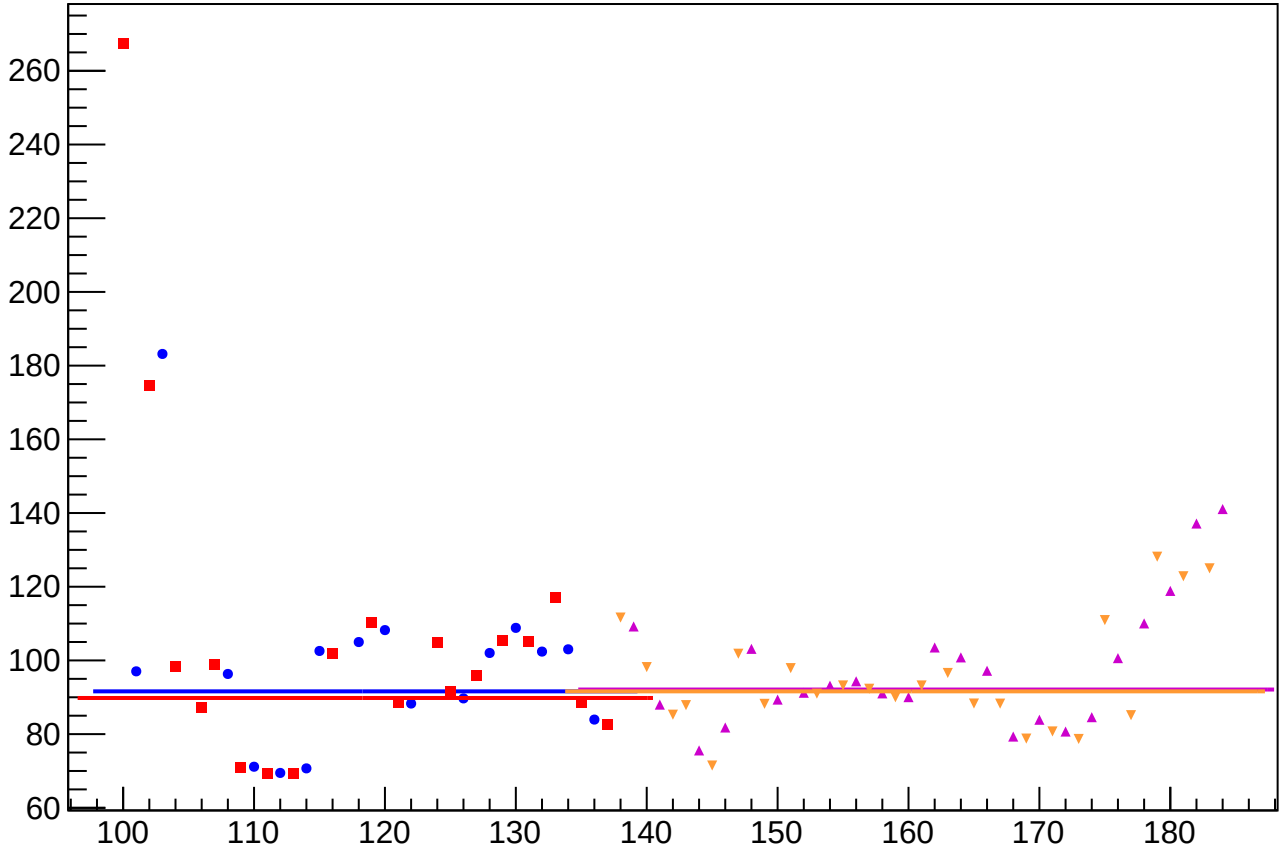
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 43.337+/-18.201 χ^2/NDF: 55.5/39

All: -8.617+/-12.944 χ^2/NDF: 129.8/81

- sign -61.785+/-18.412 χ^2/NDF: 57.9/41

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

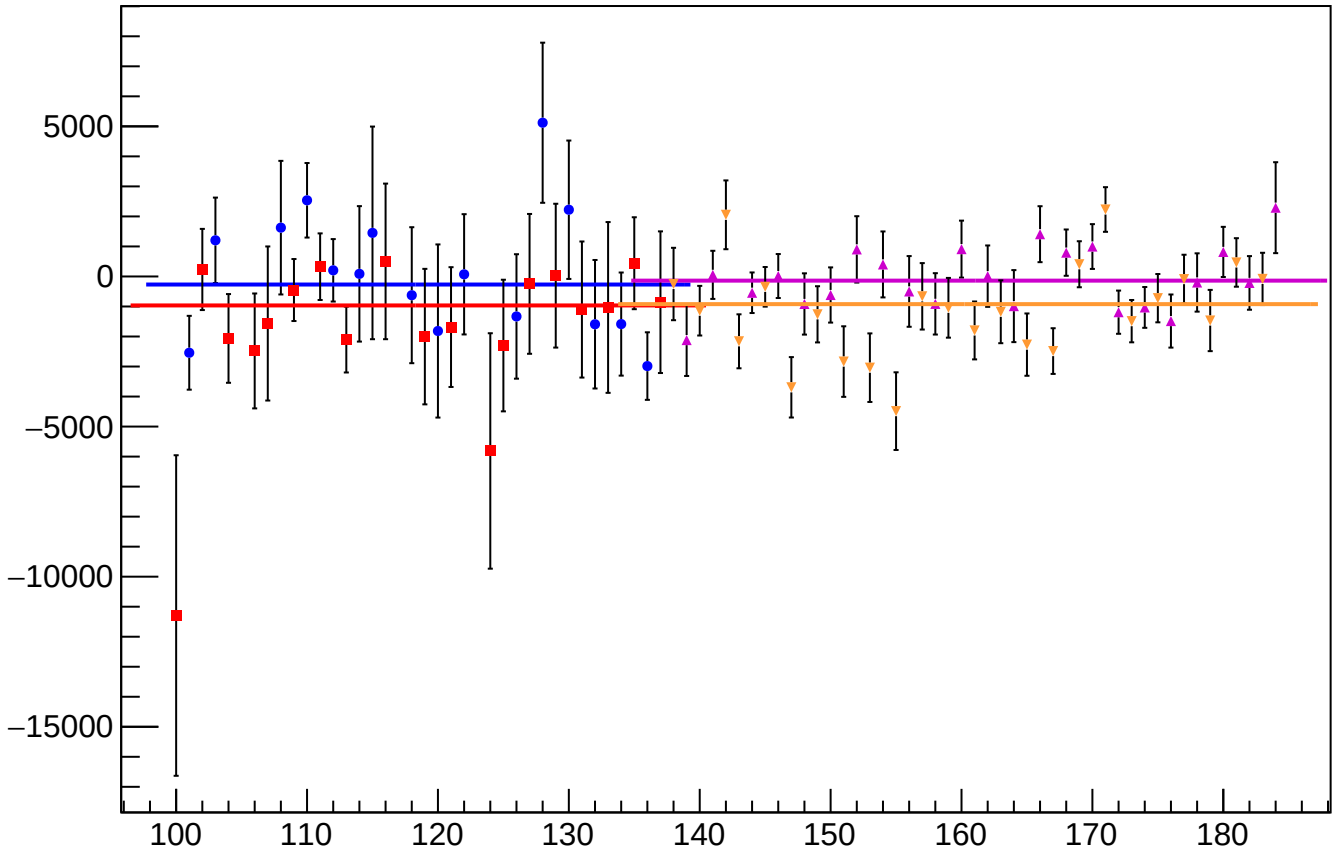
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.608+/-0.013 χ^2/NDF: 1326282.6/39

All: 91.524+/-0.009 χ^2/NDF: 2779169.3/81

- sign 91.438+/-0.013 χ^2/NDF: 1452800.2/41



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -921.570+/-184.018 χ^2/NDF:65.0/23

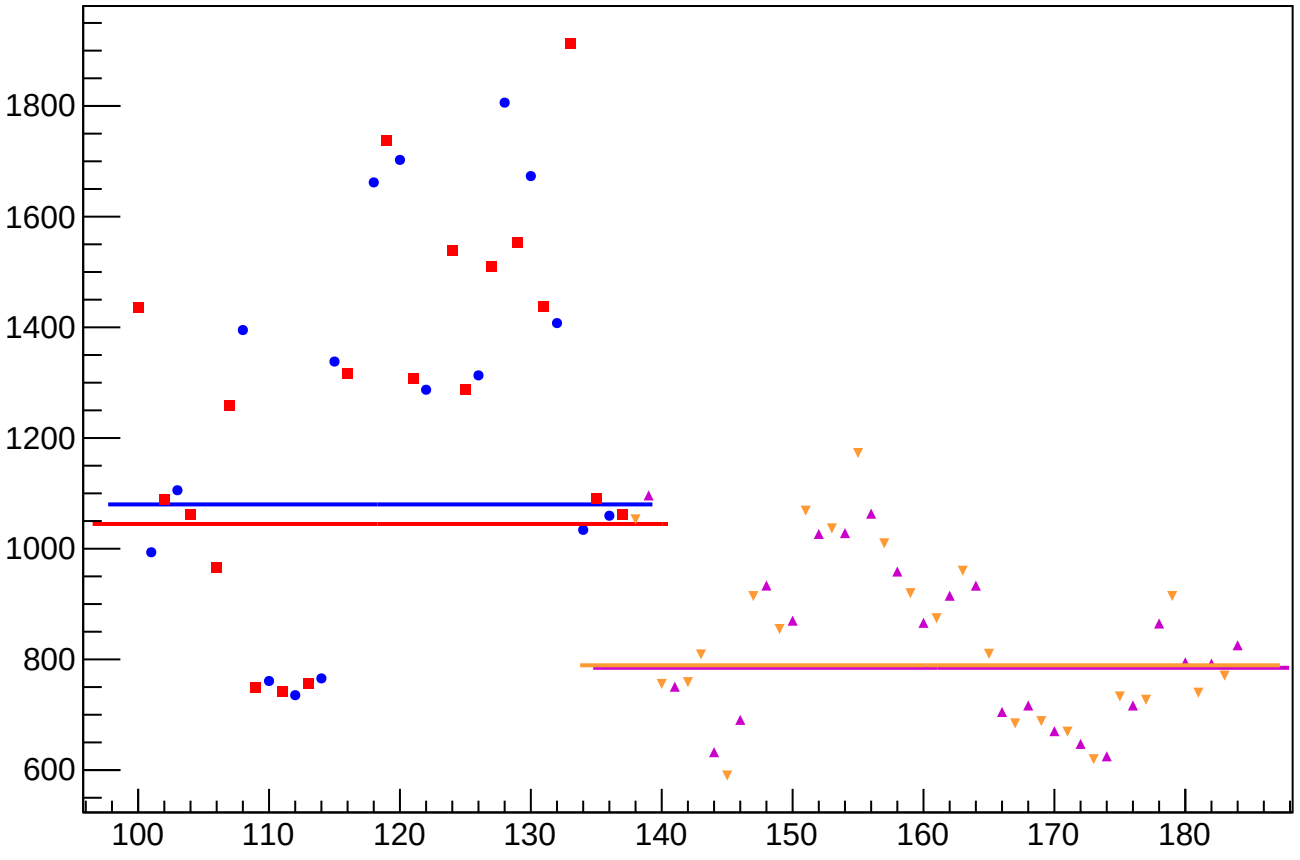
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -816.218+/-168.523 χ^2/NDF: 90.4/39

All: -551.877+/-119.405 χ^2/NDF: 135.2/81

- sign -285.384+/-169.207 χ^2/NDF: 39.8/41



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

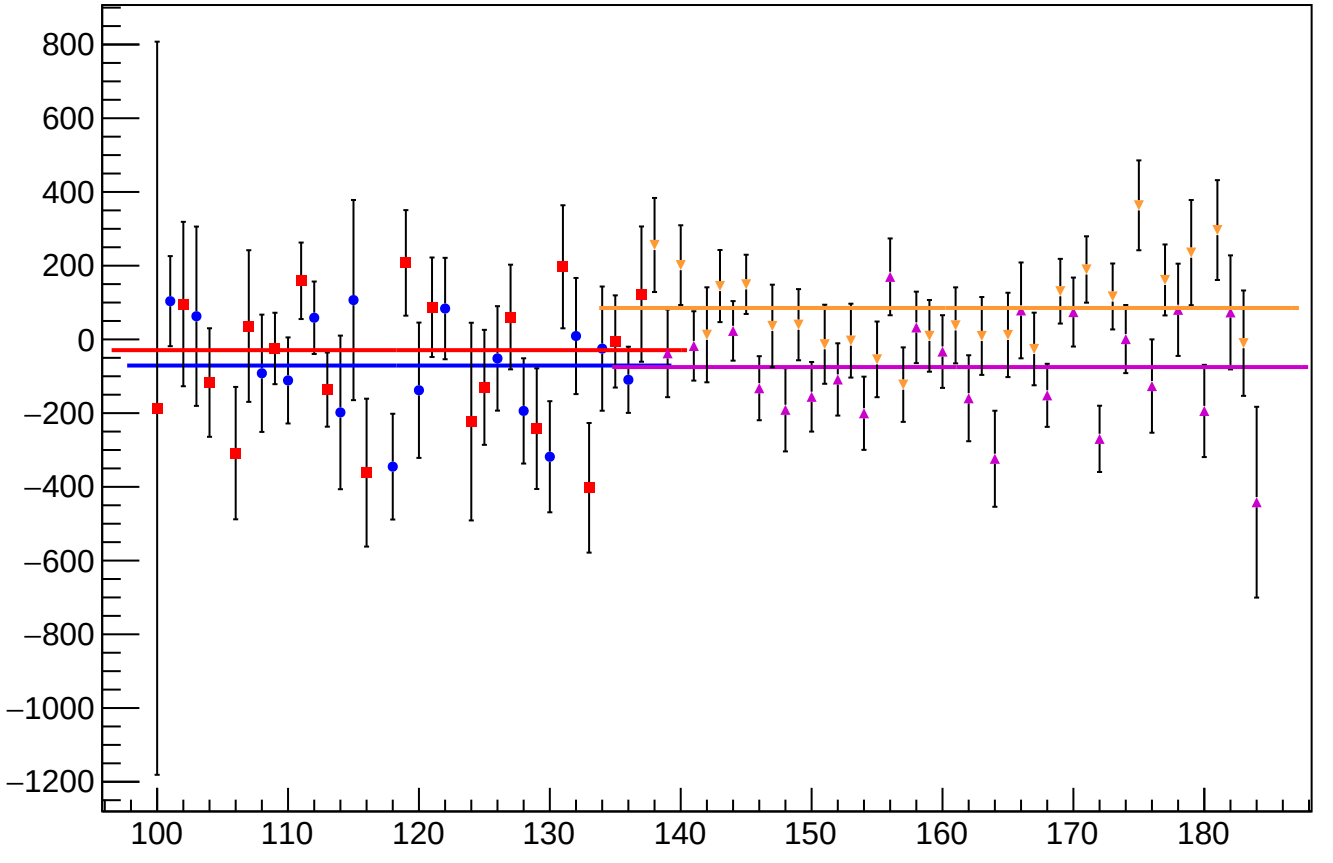
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 836.240+/-0.119 χ^2/NDF: 3049667.9/39

All: 833.611+/-0.084 χ^2/NDF: 6004978.0/81

- sign 830.961+/-0.120 χ^2/NDF: 2954332.7/41

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

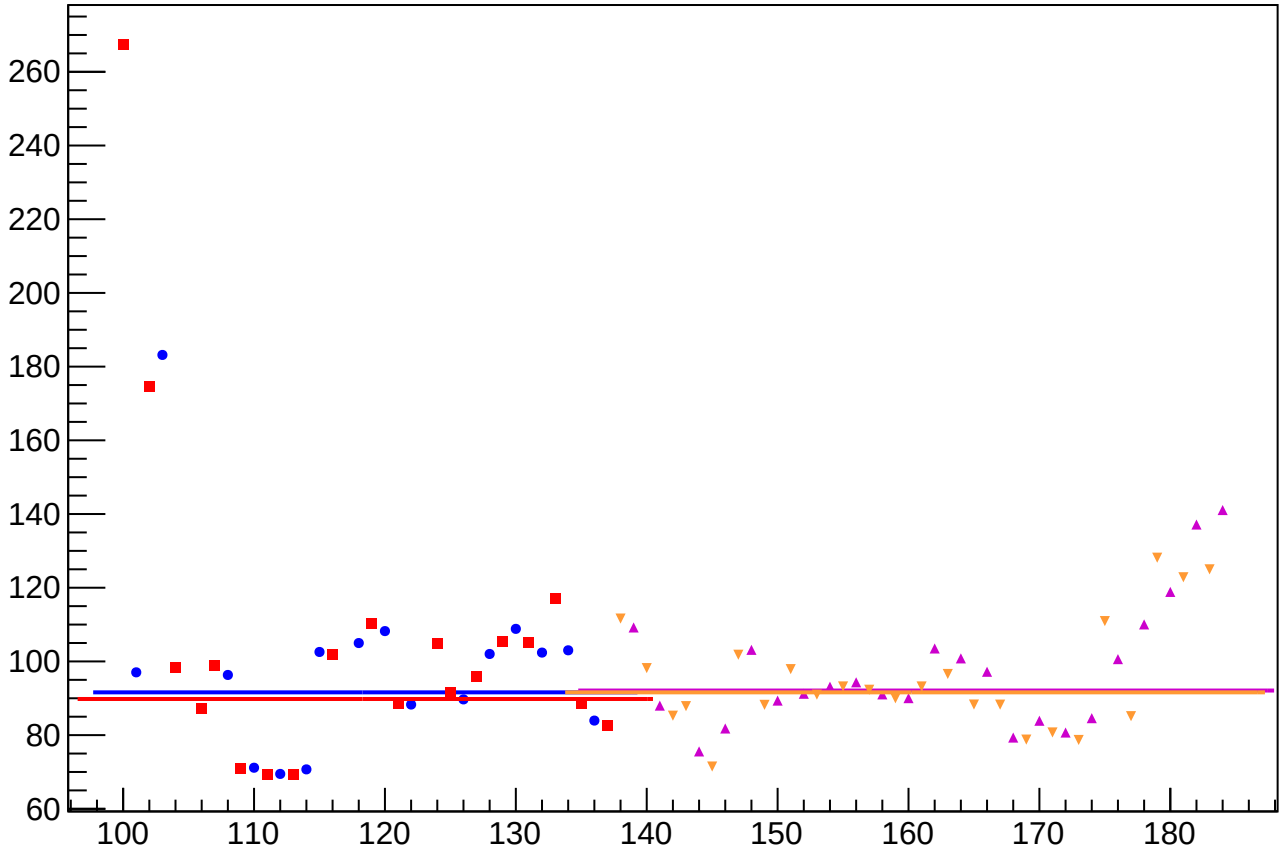
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 43.337+/-18.201 χ^2/NDF: 55.5/39

All: -8.617+/-12.944 χ^2/NDF: 129.8/81

- sign -61.785+/-18.412 χ^2/NDF: 57.9/41

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

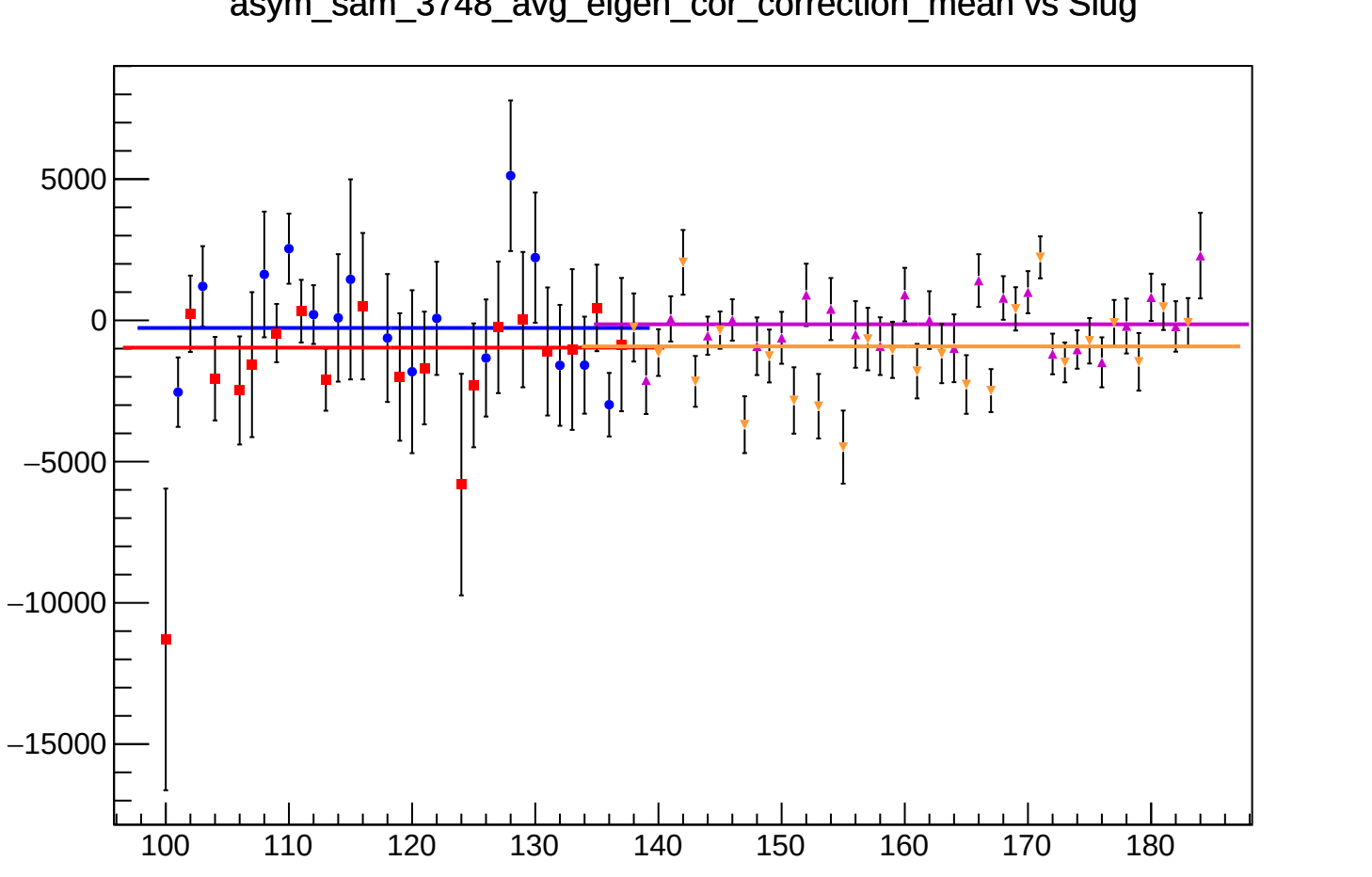
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.608+/-0.013 χ^2/NDF: 1326282.6/39

All: 91.524+/-0.009 χ^2/NDF: 2779169.3/81

- sign 91.438+/-0.013 χ^2/NDF: 1452800.2/41



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -921.570+/-184.018 χ^2/NDF:65.0/23

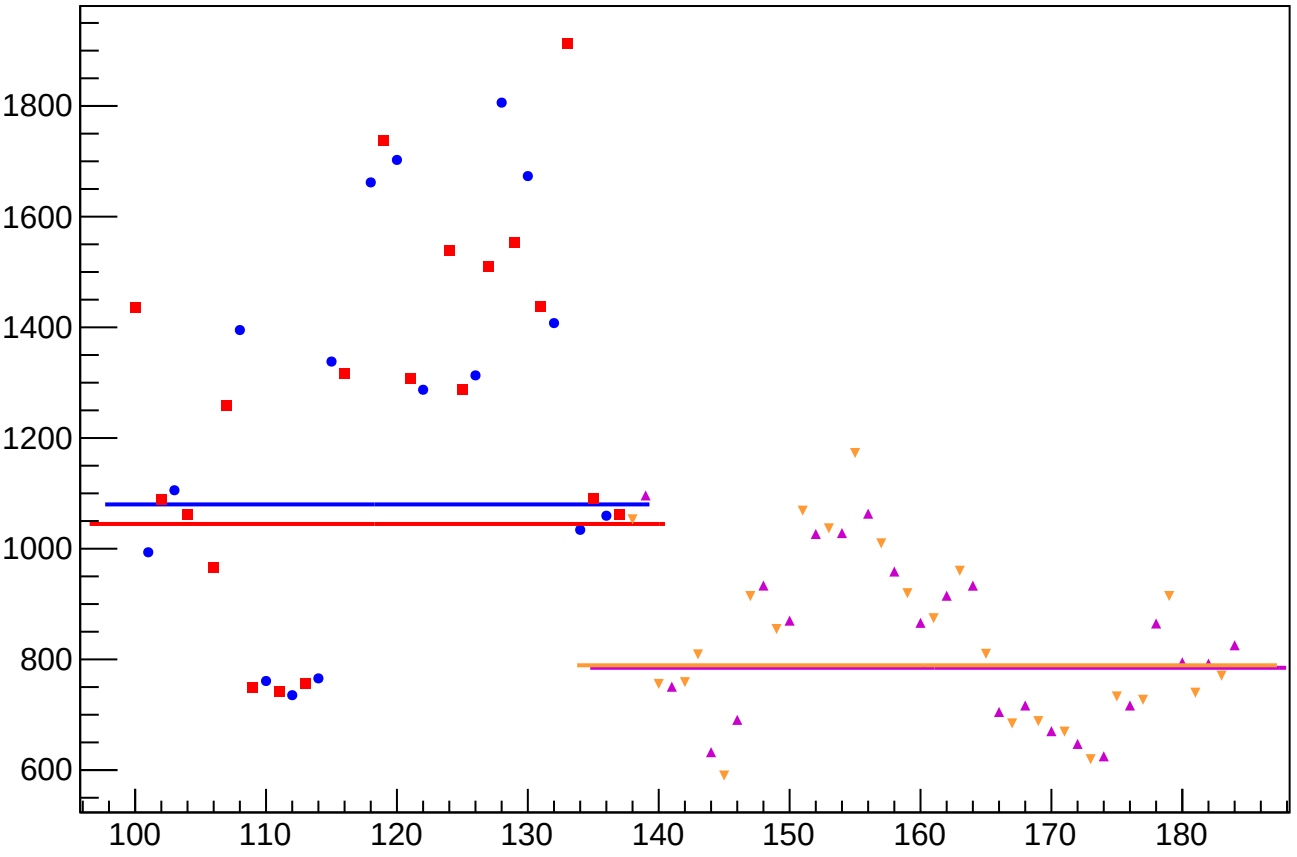
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

\+ sign -816.218+/-168.523 χ^2/NDF: 90.4/39

All: -551.877+/-119.405 χ^2/NDF: 135.2/81

\- sign -285.384+/-169.207 χ^2/NDF: 39.8/41



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

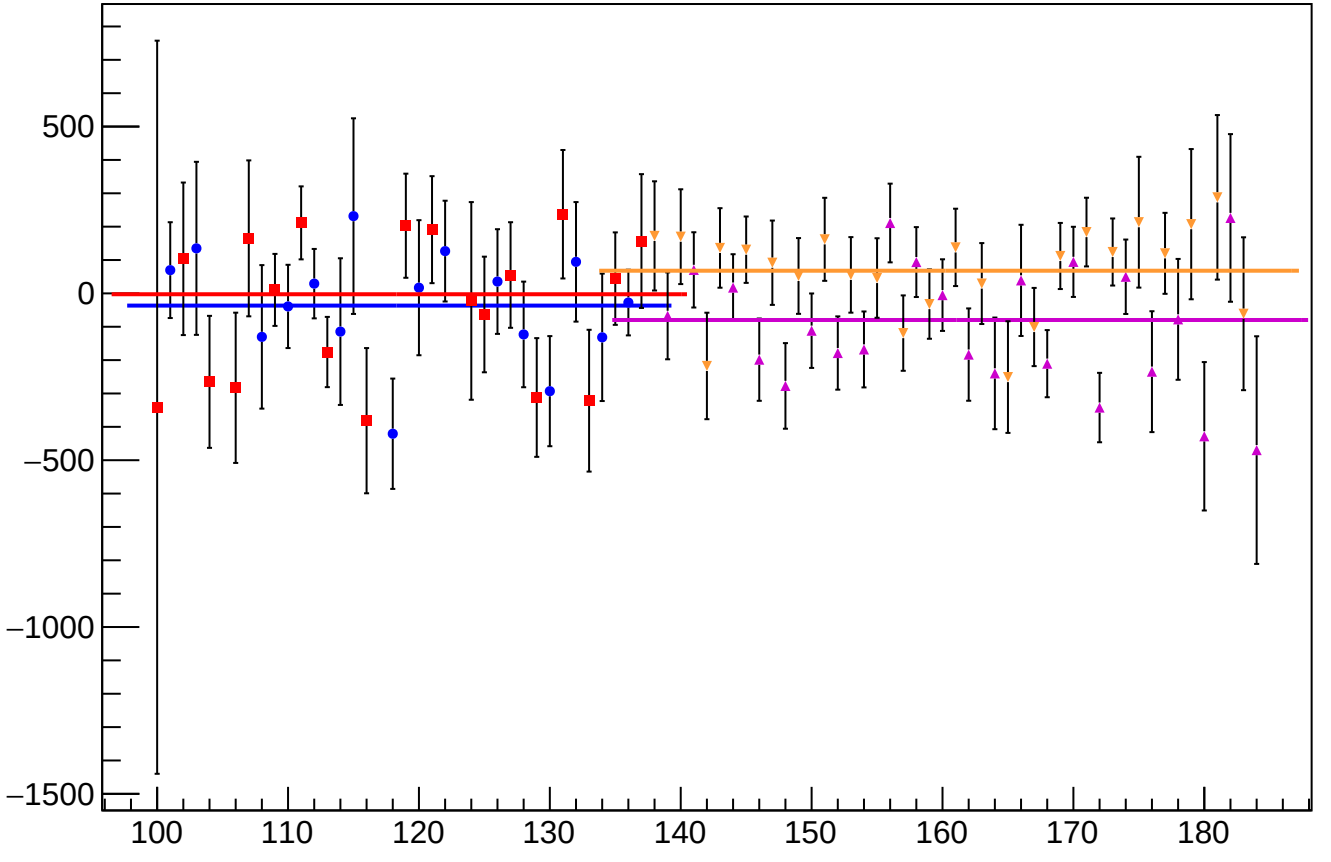
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 836.240+/-0.119 χ^2/NDF: 3049667.9/39

All: 833.611+/-0.084 χ^2/NDF: 6004978.0/81

- sign 830.961+/-0.120 χ^2/NDF: 2954332.7/41

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

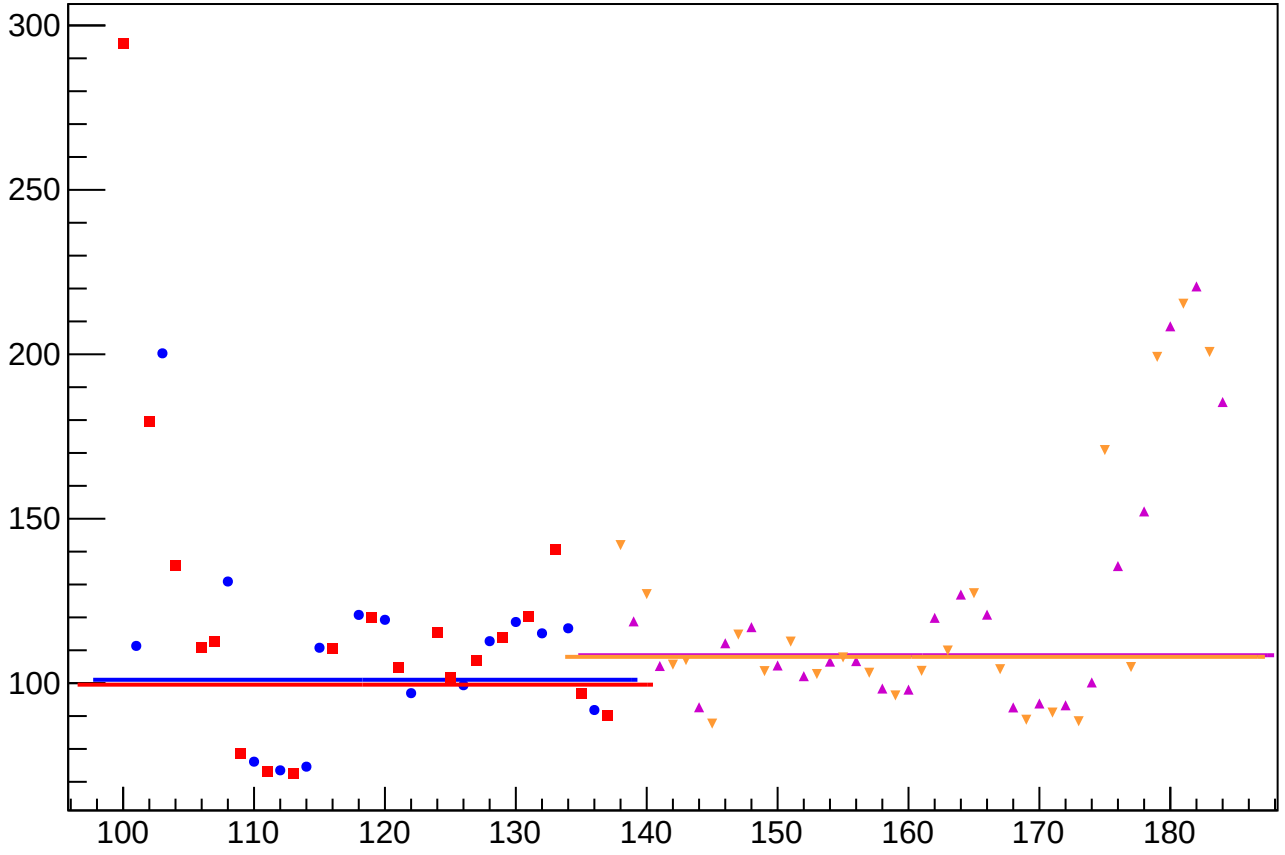
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 36.328+/-21.444 χ^2/NDF: 37.3/39

All: -8.846+/-15.237 χ^2/NDF: 110.7/81

- sign -54.912+/-21.655 χ^2/NDF: 64.5/41

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

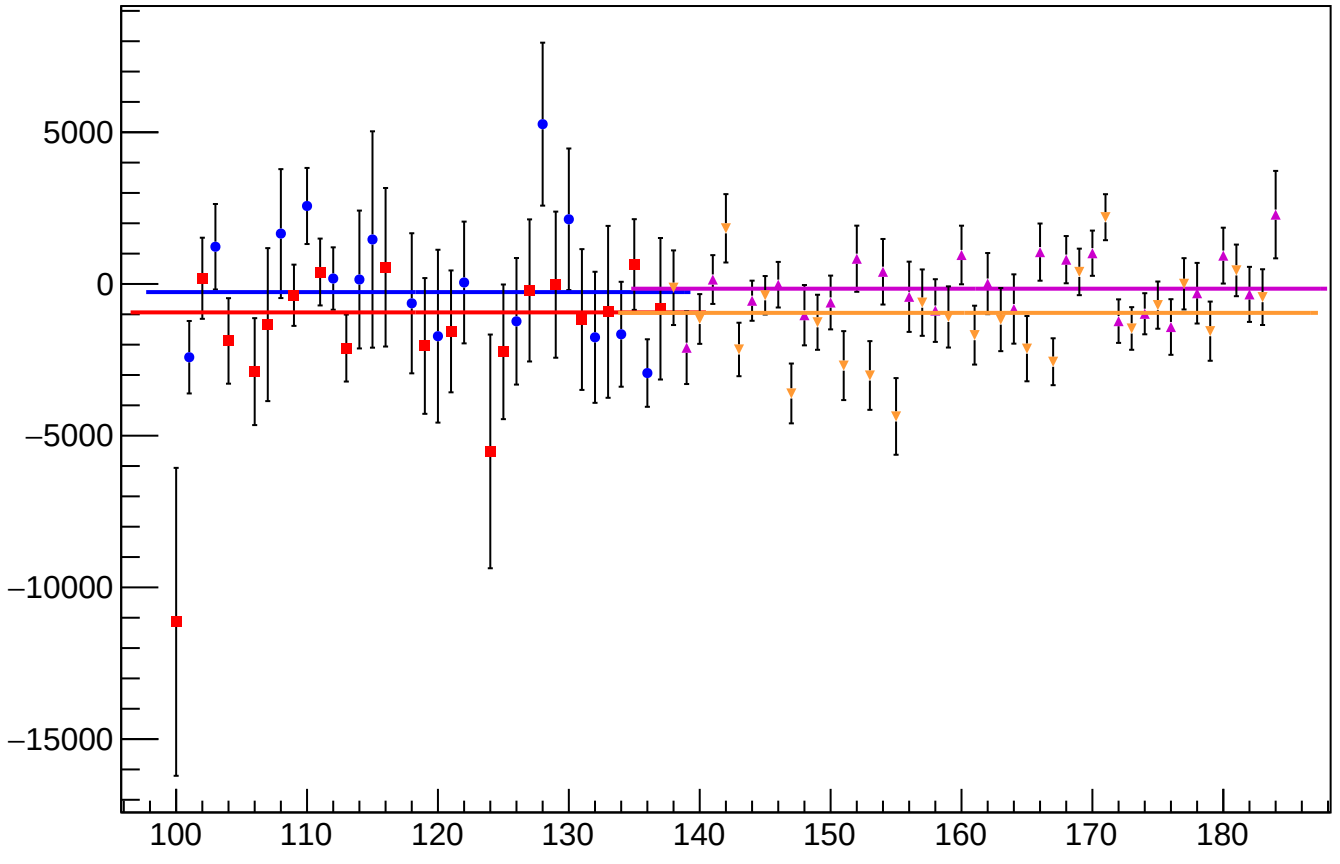
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 105.894+/-0.015 χ^2/NDF: 2490160.0/39

All: 105.755+/-0.011 χ^2/NDF: 4824727.3/81

- sign 105.612+/-0.015 χ^2/NDF: 2334396.6/41



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

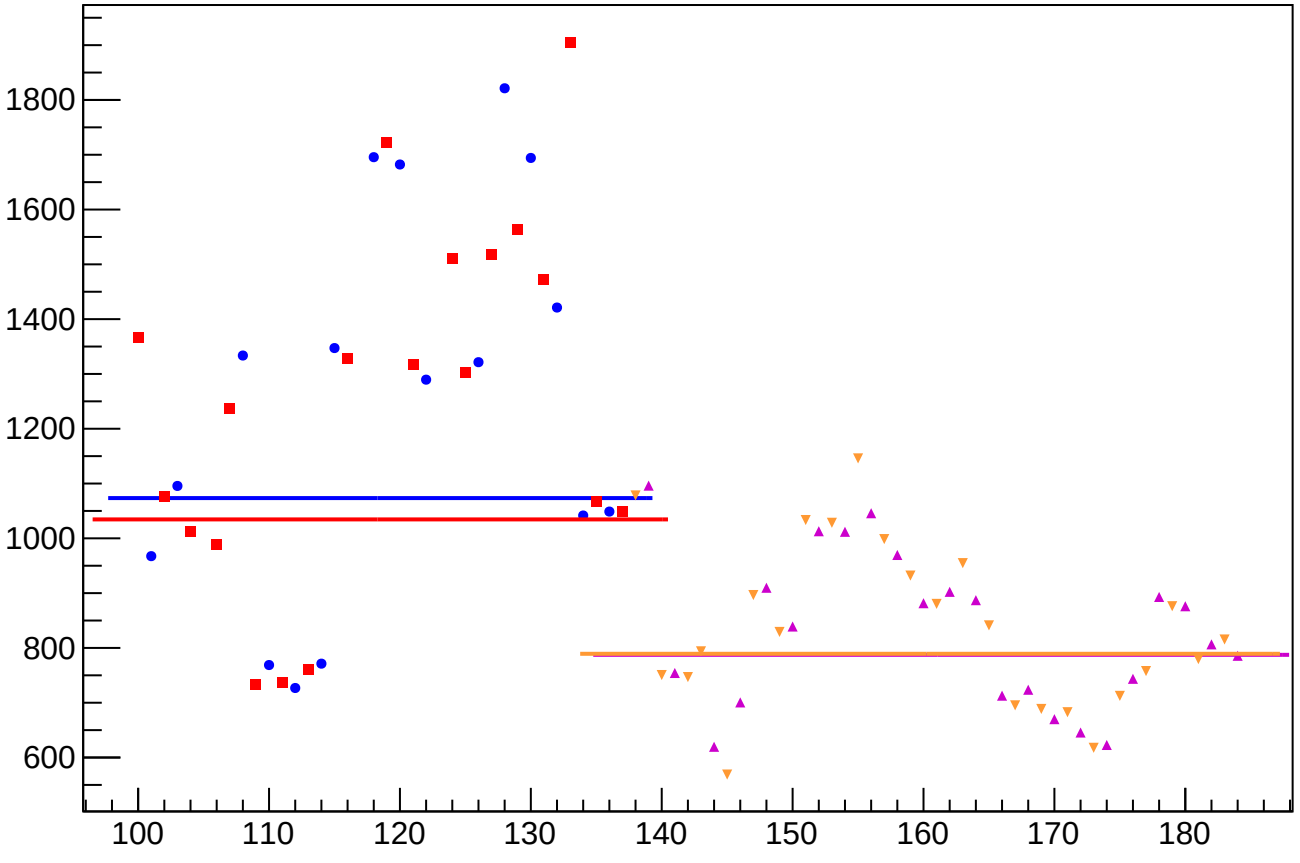
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -841.170+/-168.151 χ^2/NDF: 87.4/39

All: -571.399+/-119.269 χ^2/NDF: 132.0/81

- sign -298.257+/-169.198 χ^2/NDF: 39.4/41

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

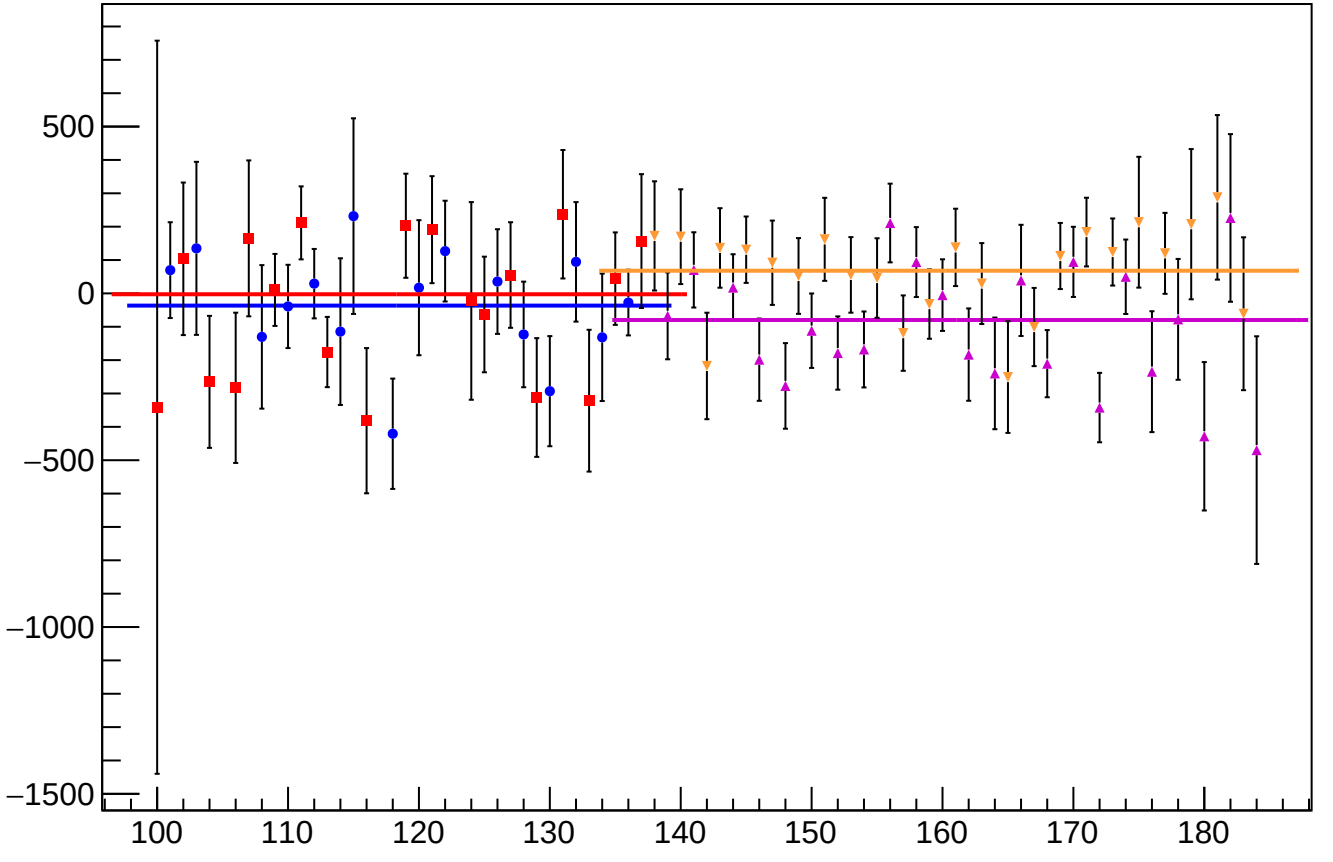
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 835.485+/-0.119 χ^2/NDF: 3031379.7/39

All: 833.980+/-0.084 χ^2/NDF: 5938649.0/81

- sign 832.455+/-0.120 χ^2/NDF: 2906946.5/41

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

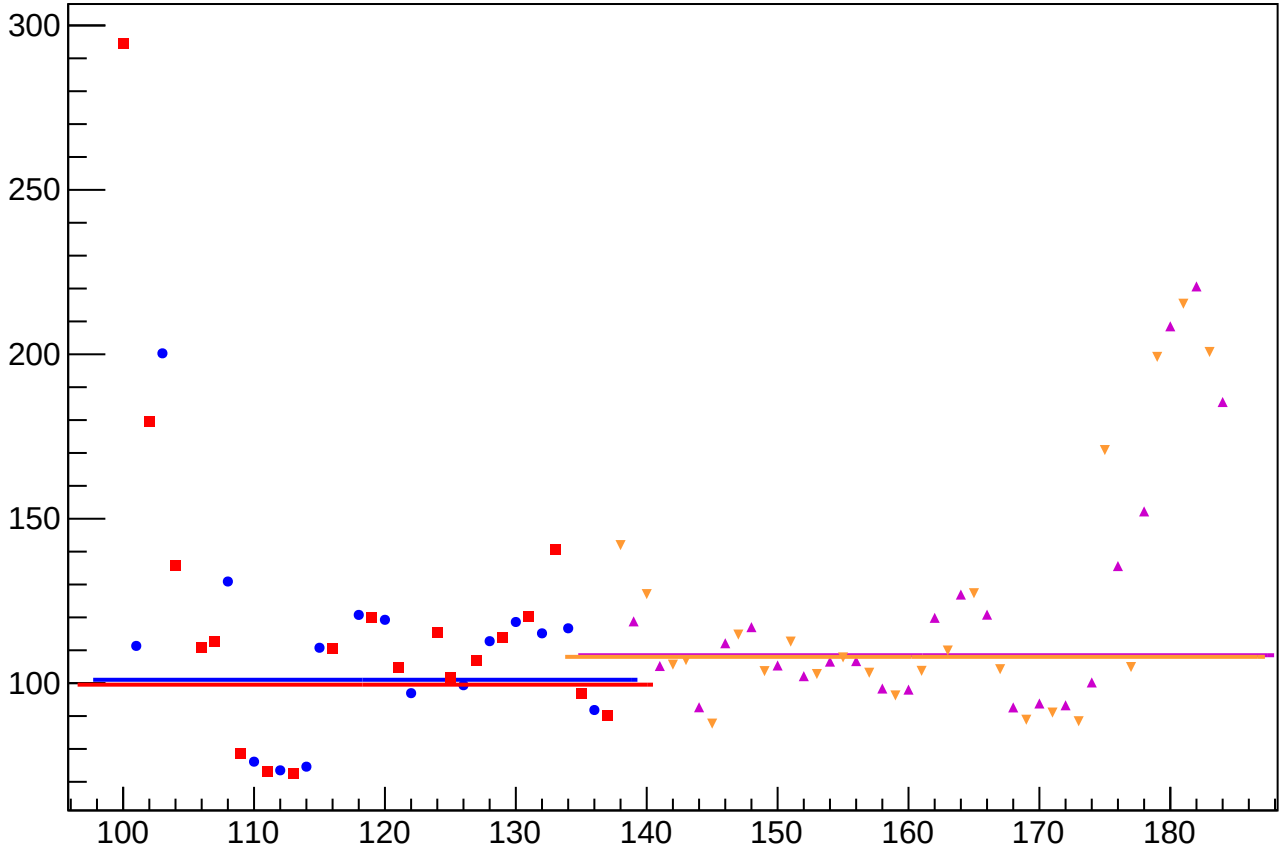
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 36.329+/-21.444 χ^2/NDF: 37.3/39

All: -8.845+/-15.237 χ^2/NDF: 110.7/81

- sign -54.911+/-21.655 χ^2/NDF: 64.5/41

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

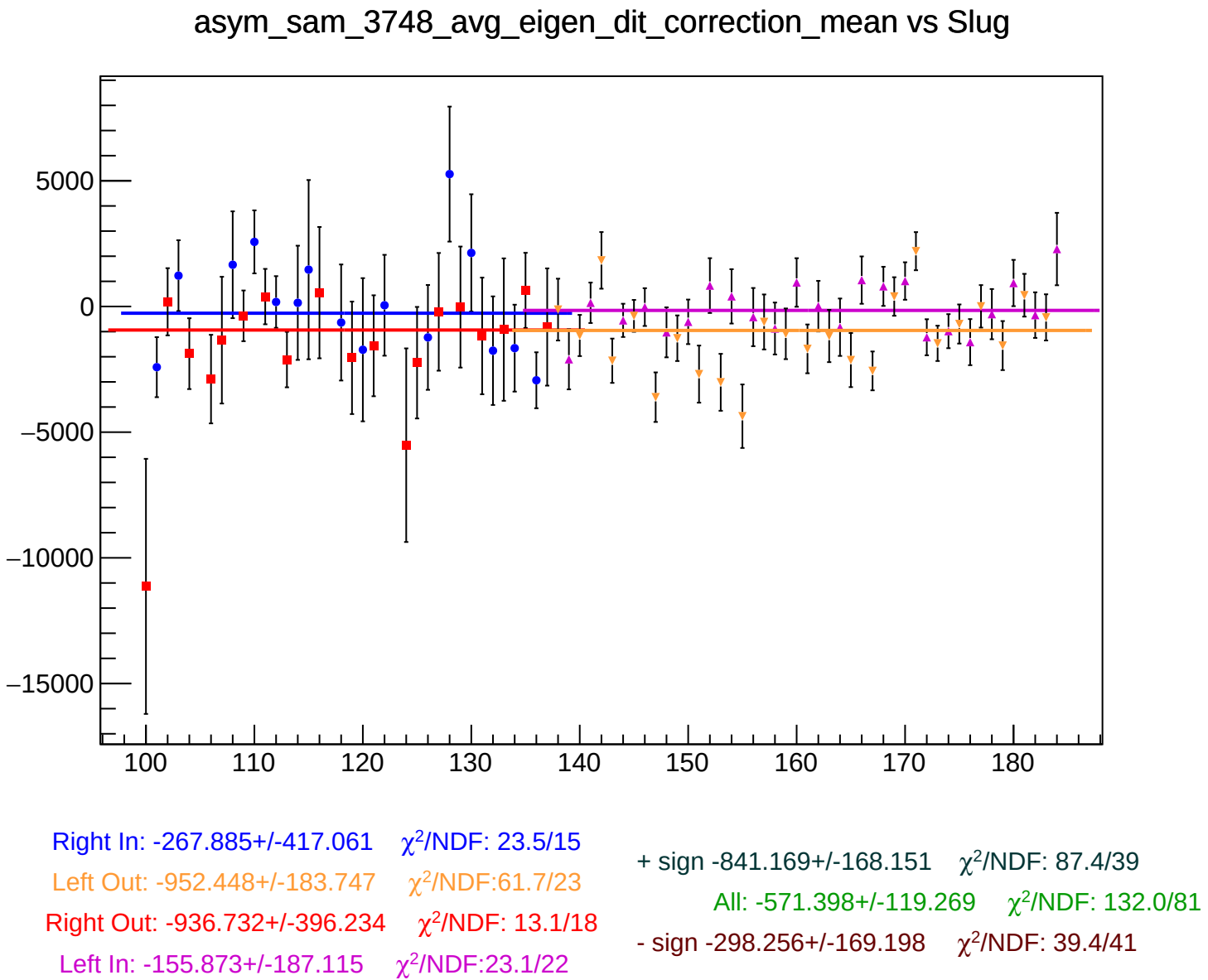
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

\+ sign 105.894+/-0.015 χ^2/NDF: 2490157.8/39

All: 105.755+/-0.011 χ^2/NDF: 4824710.9/81

\- sign 105.613+/-0.015 χ^2/NDF: 2334382.4/41



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -952.448+/-183.747 χ^2/NDF:61.7/23

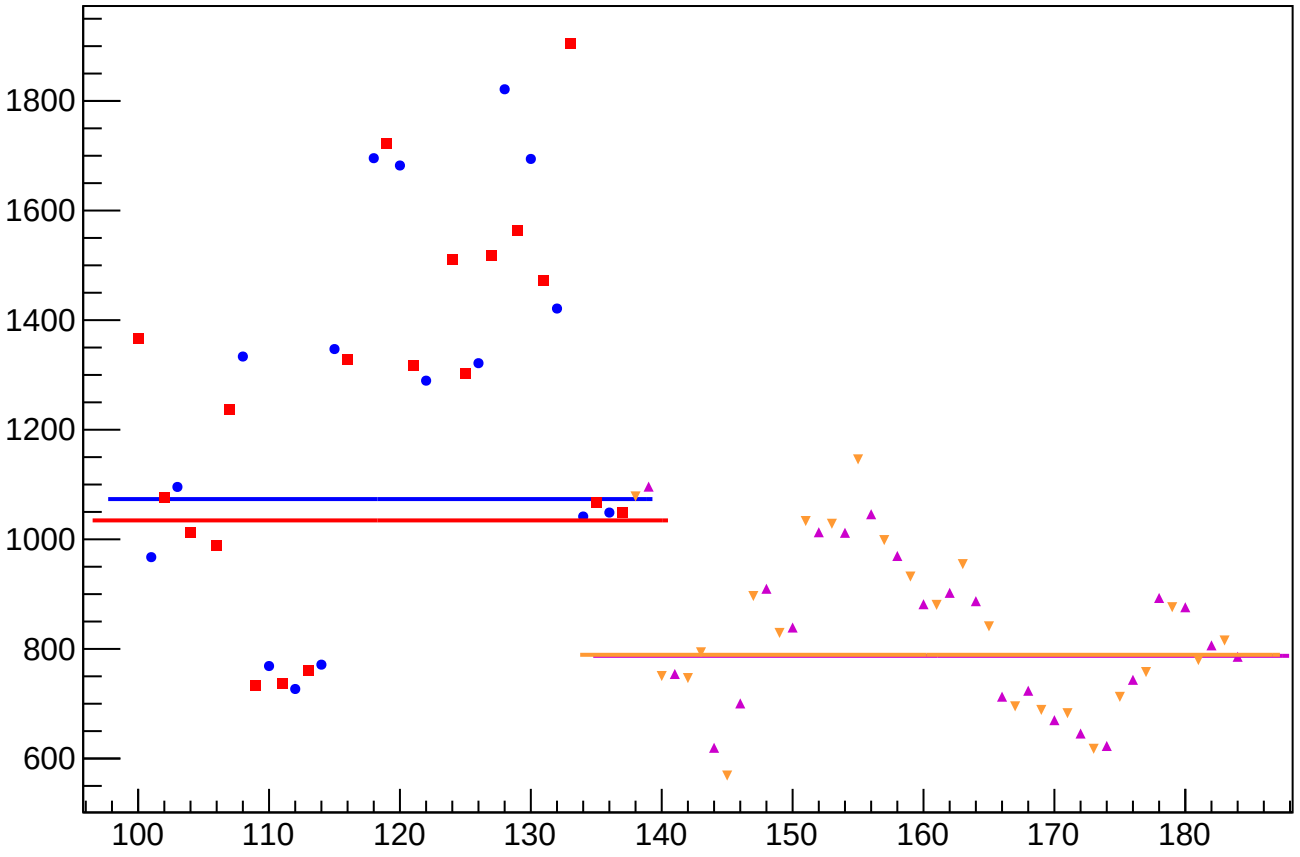
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -841.169+/-168.151 χ^2/NDF: 87.4/39

All: -571.398+/-119.269 χ^2/NDF: 132.0/81

- sign -298.256+/-169.198 χ^2/NDF: 39.4/41



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

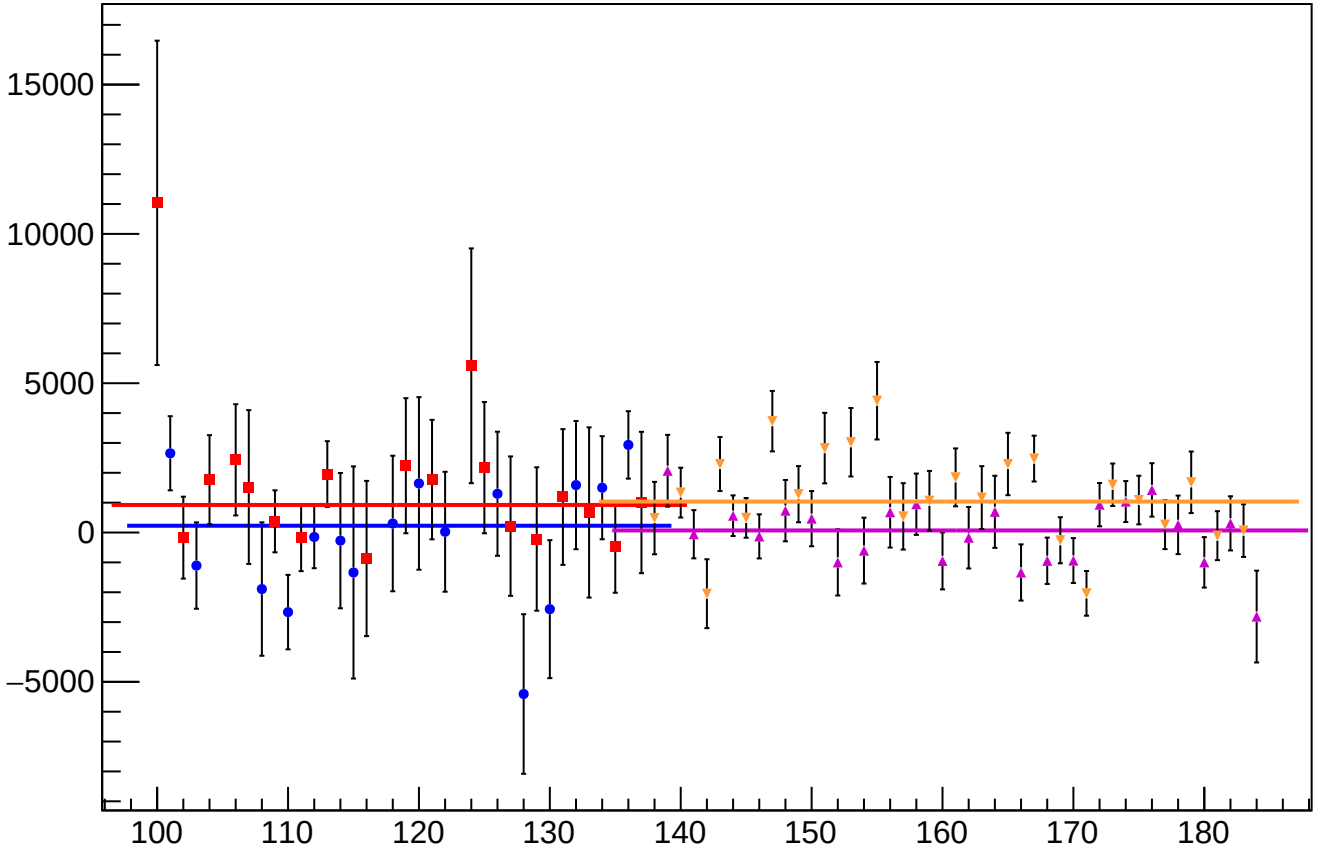
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 835.484+/-0.119 χ^2/NDF: 3031387.8/39

All: 833.978+/-0.084 χ^2/NDF: 5938660.4/81

- sign 832.453+/-0.120 χ^2/NDF: 2906949.8/41

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

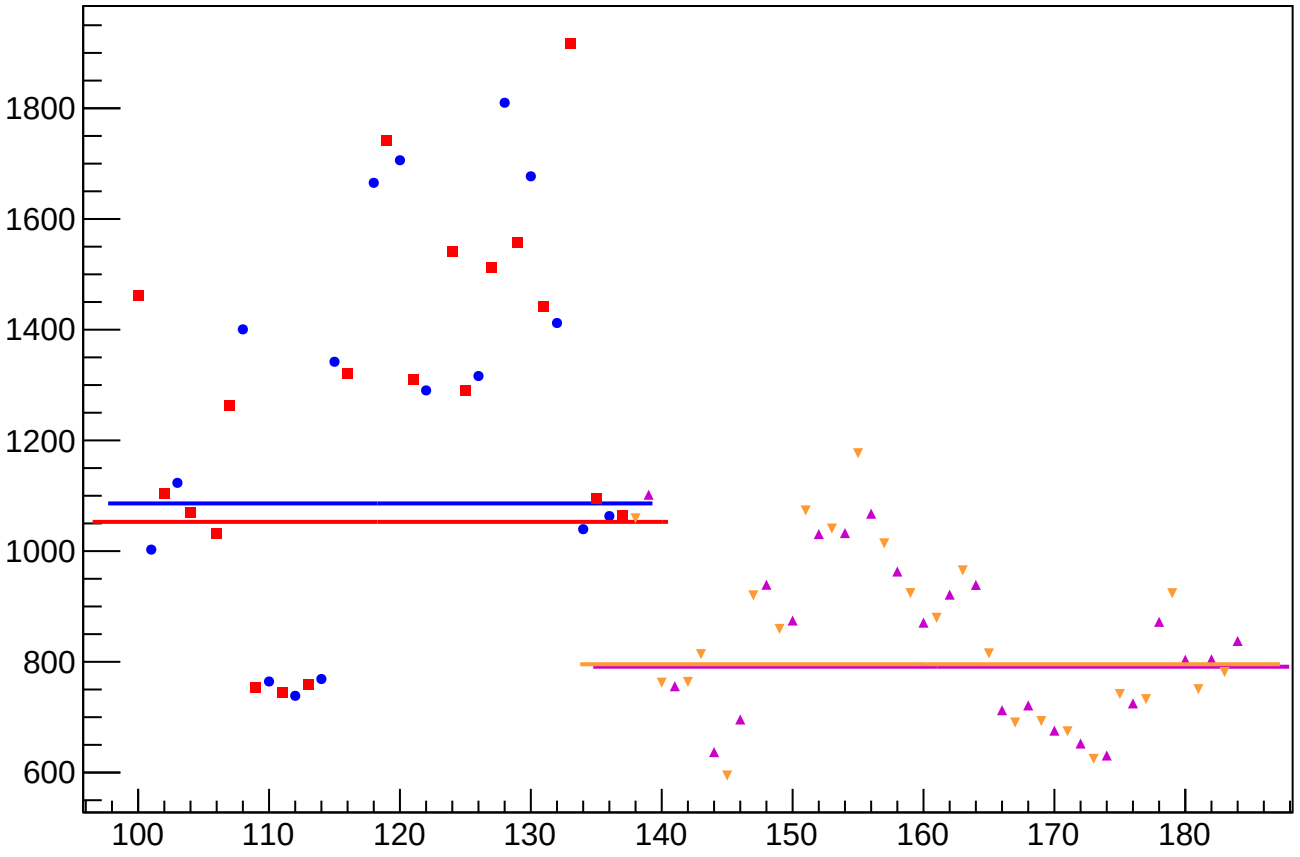
Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 905.525+/-169.765 χ^2/NDF: 87.4/39

All: 565.366+/-120.269 χ^2/NDF: 134.8/81

- sign 222.628+/-170.407 χ^2/NDF: 39.3/41



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 795.656+/-0.131 χ^2/NDF:1174033.3/23

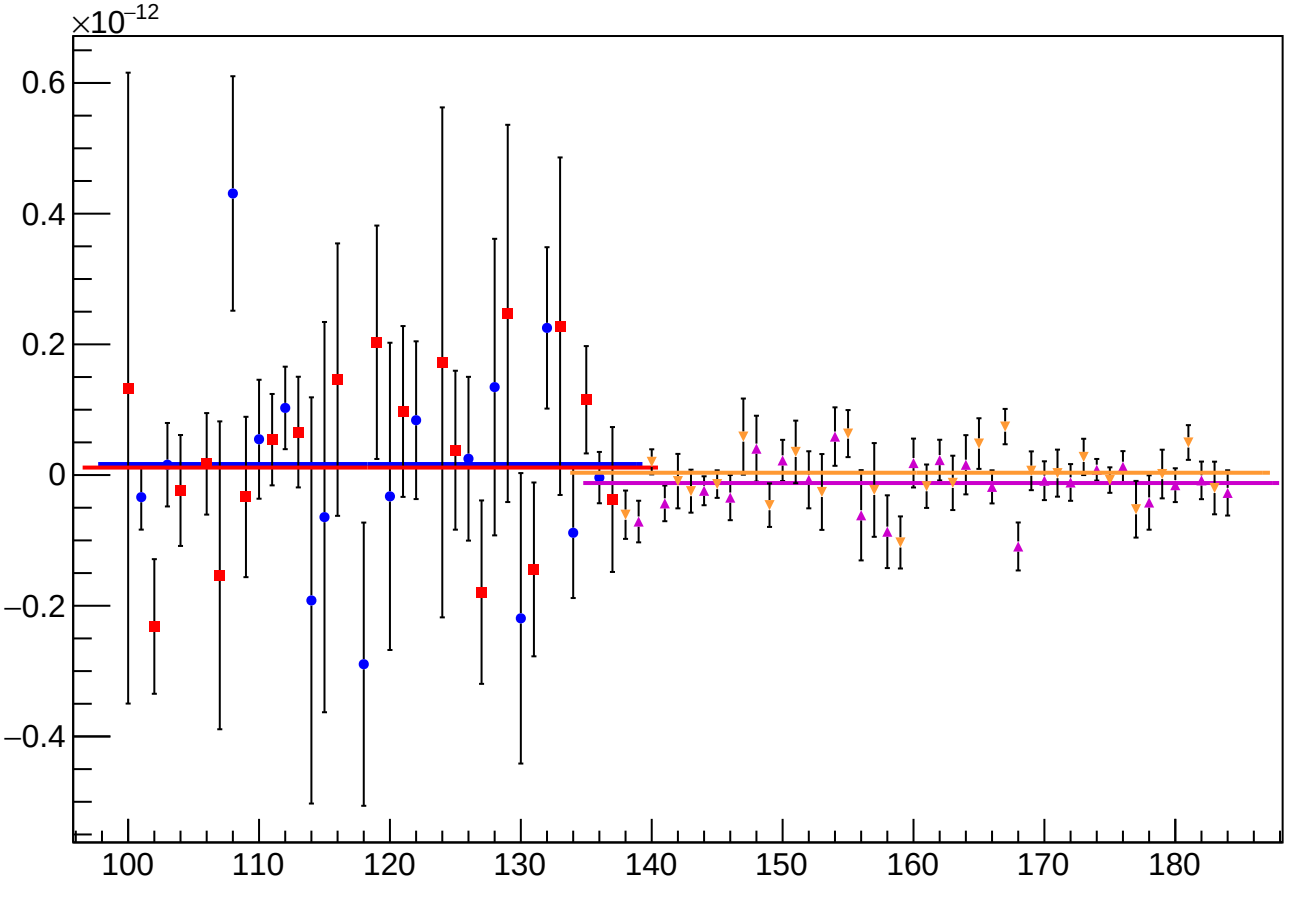
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 842.702+/-0.120 χ^2/NDF: 3016281.5/39

All: 840.320+/-0.085 χ^2/NDF: 5952786.6/81

- sign 837.919+/-0.120 χ^2/NDF: 2935714.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/23

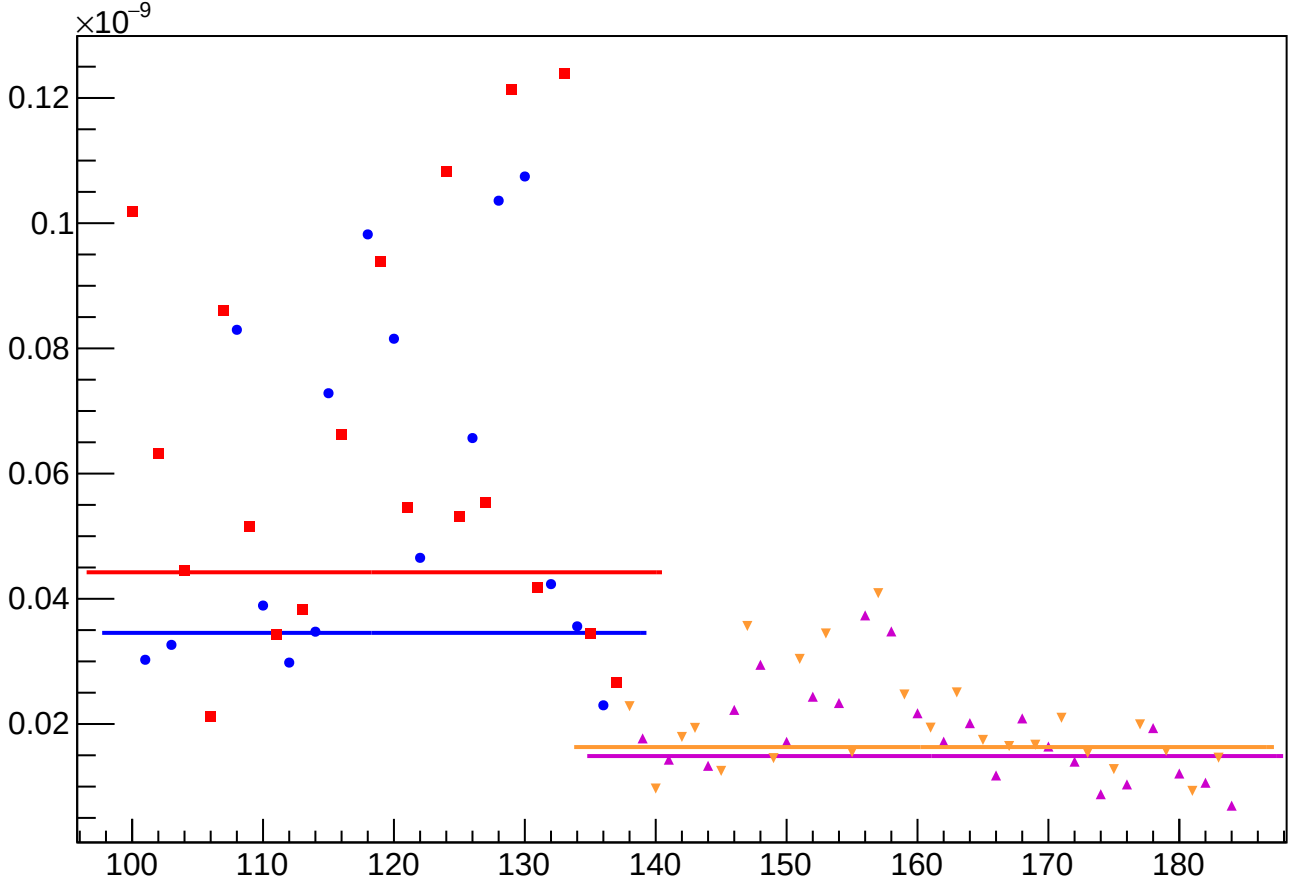
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/39

All: -0.000+/-0.000 χ^2/NDF: 96.1/81

- sign -0.000+/-0.000 χ^2/NDF: 41.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1671108.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

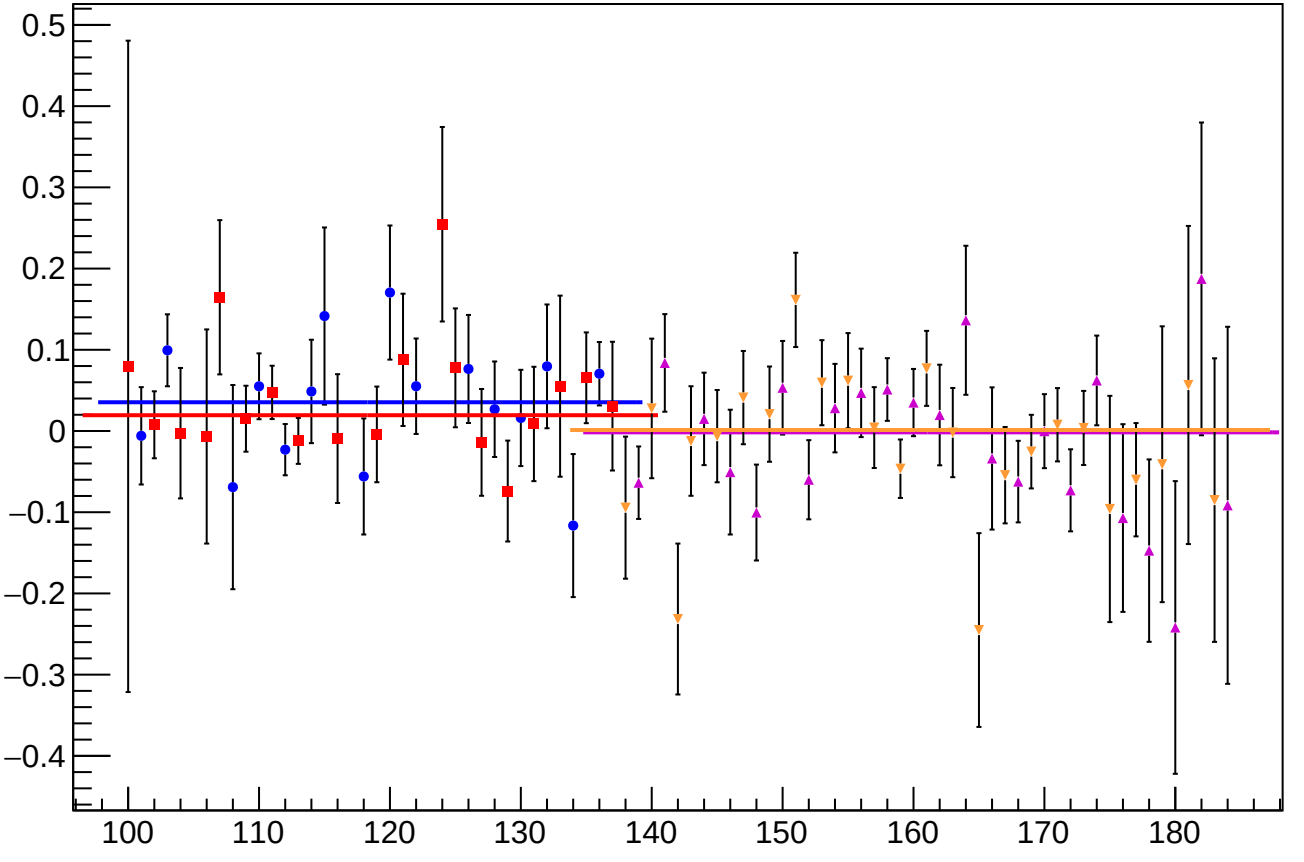
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4142194.4/39

All: 0.000+/-0.000 χ^2/NDF: 9182154.8/81

- sign 0.000+/-0.000 χ^2/NDF: 4990949.6/41

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

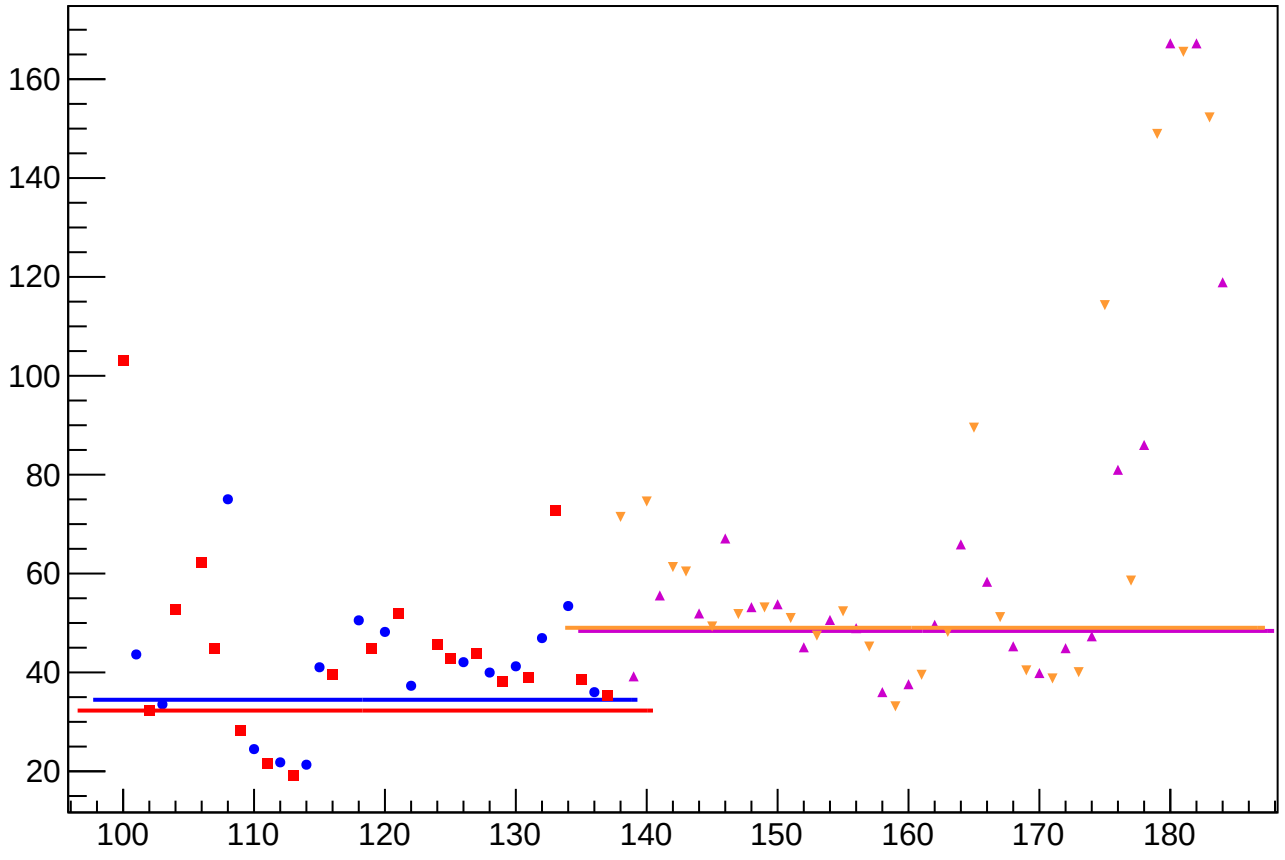
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.1/39

All: 0.012+/-0.006 χ^2/NDF: 91.3/81

- sign 0.008+/-0.009 χ^2/NDF: 40.8/41



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 49.028+/-0.009 χ^2/NDF:3973460.5/23

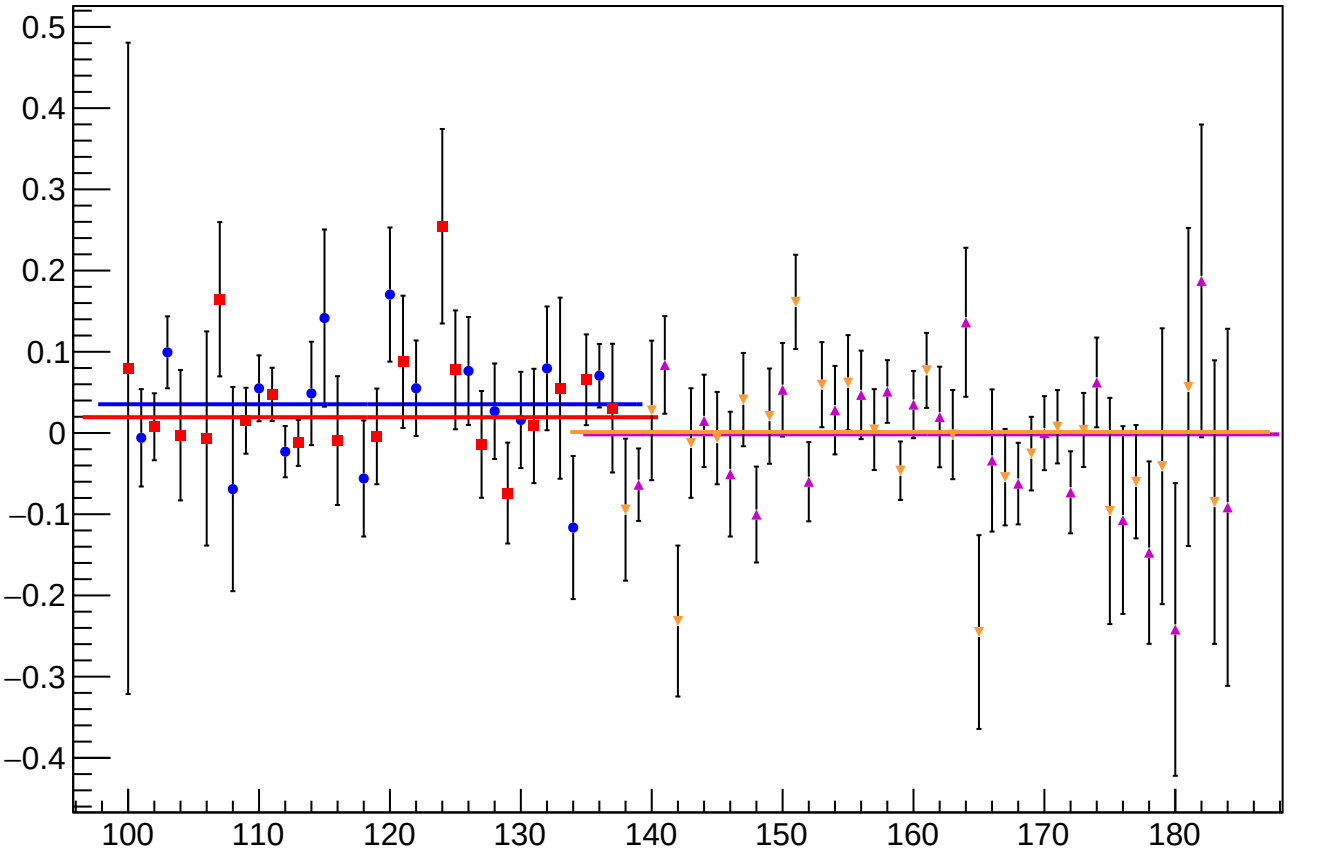
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.622+/-0.007 χ^2/NDF: 6375224.5/39

All: 41.697+/-0.005 χ^2/NDF: 12715977.7/81

- sign 40.814+/-0.006 χ^2/NDF: 6301320.4/41



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.8/23

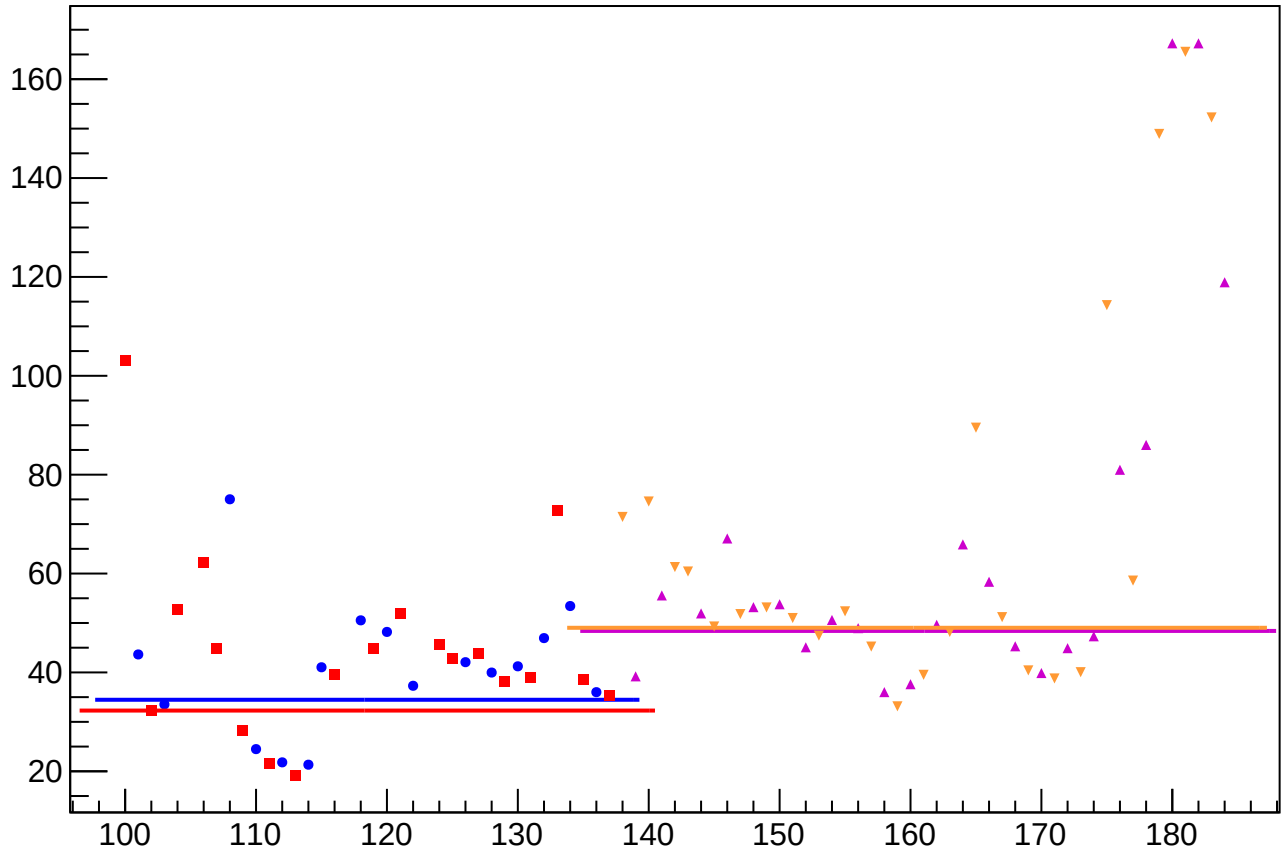
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.1/39

All: 0.012+/-0.006 χ^2/NDF: 91.3/81

- sign 0.008+/-0.009 χ^2/NDF: 40.8/41



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 49.028+/-0.009 χ^2/NDF:3973460.5/23

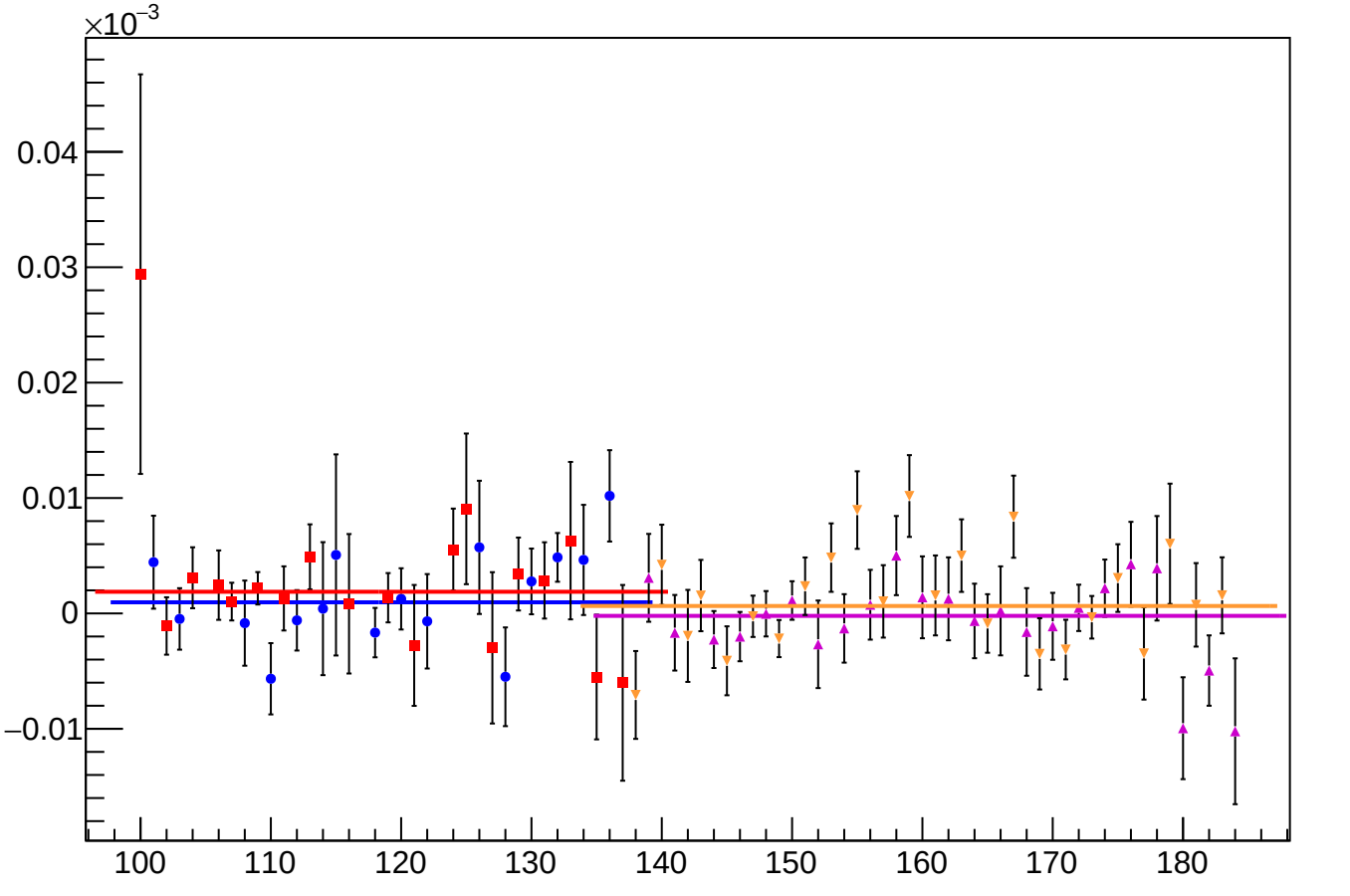
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.622+/-0.007 χ^2/NDF: 6375224.5/39

All: 41.697+/-0.005 χ^2/NDF: 12715977.7/81

- sign 40.814+/-0.006 χ^2/NDF: 6301320.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.6/23

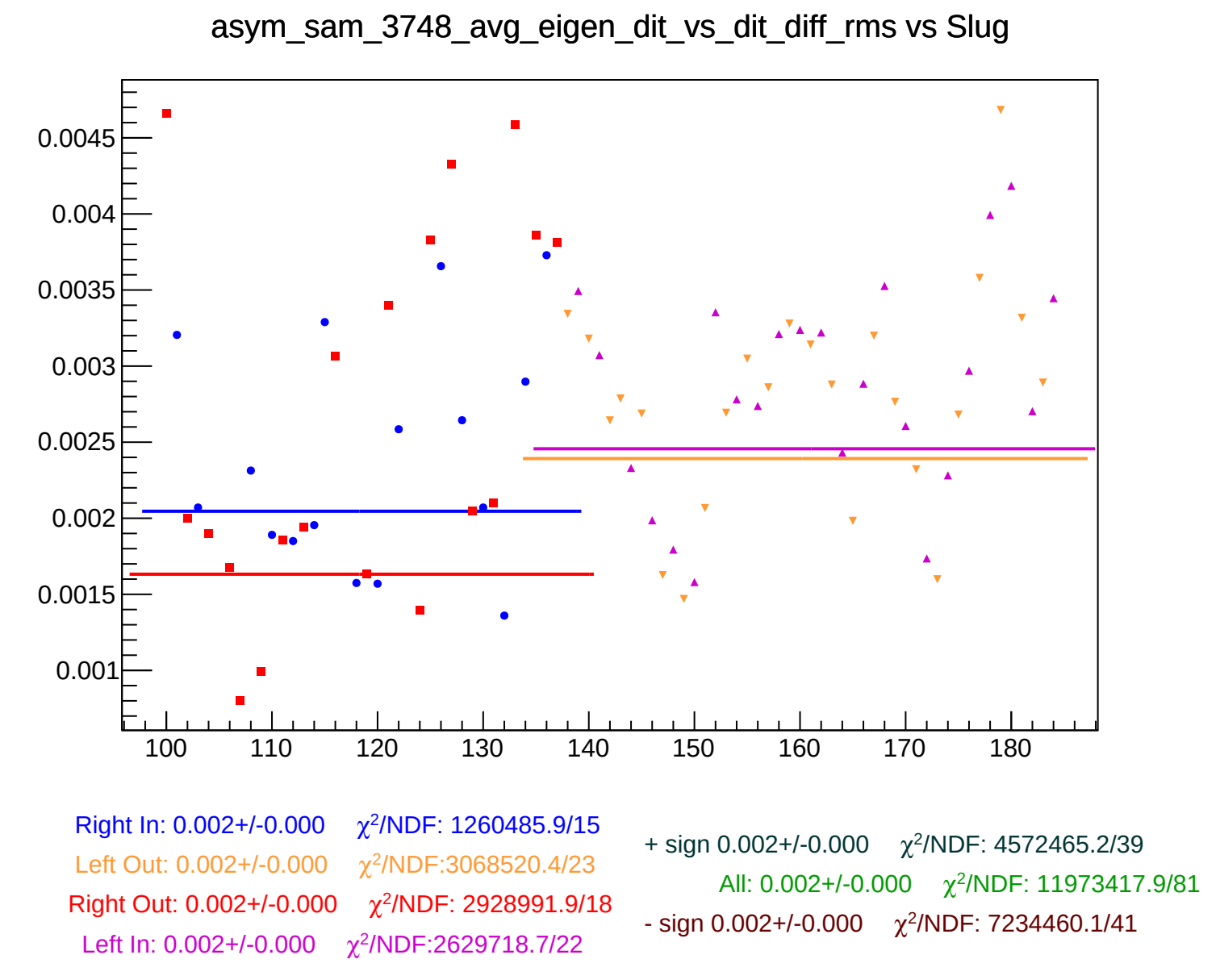
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

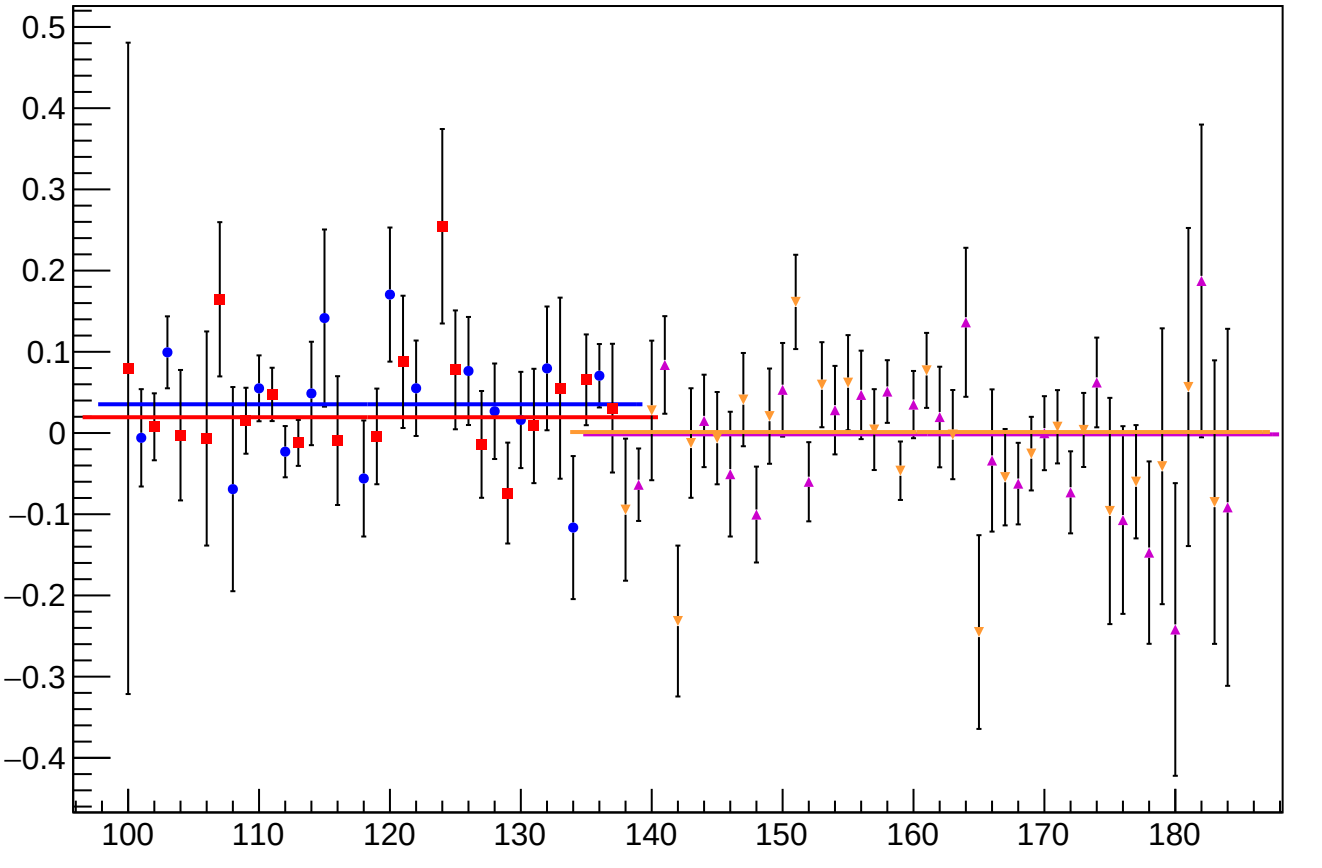
Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.6/39

All: 0.000+/-0.000 χ^2/NDF: 100.6/81

- sign 0.000+/-0.000 χ^2/NDF: 38.0/41


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:2629718.7/22
+ sign 0.002+/-0.000 χ²/NDF: 4572465.2/39
All: 0.002+/-0.000 χ²/NDF: 11973417.9/81
- sign 0.002+/-0.000 χ²/NDF: 7234460.1/41



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.8/23

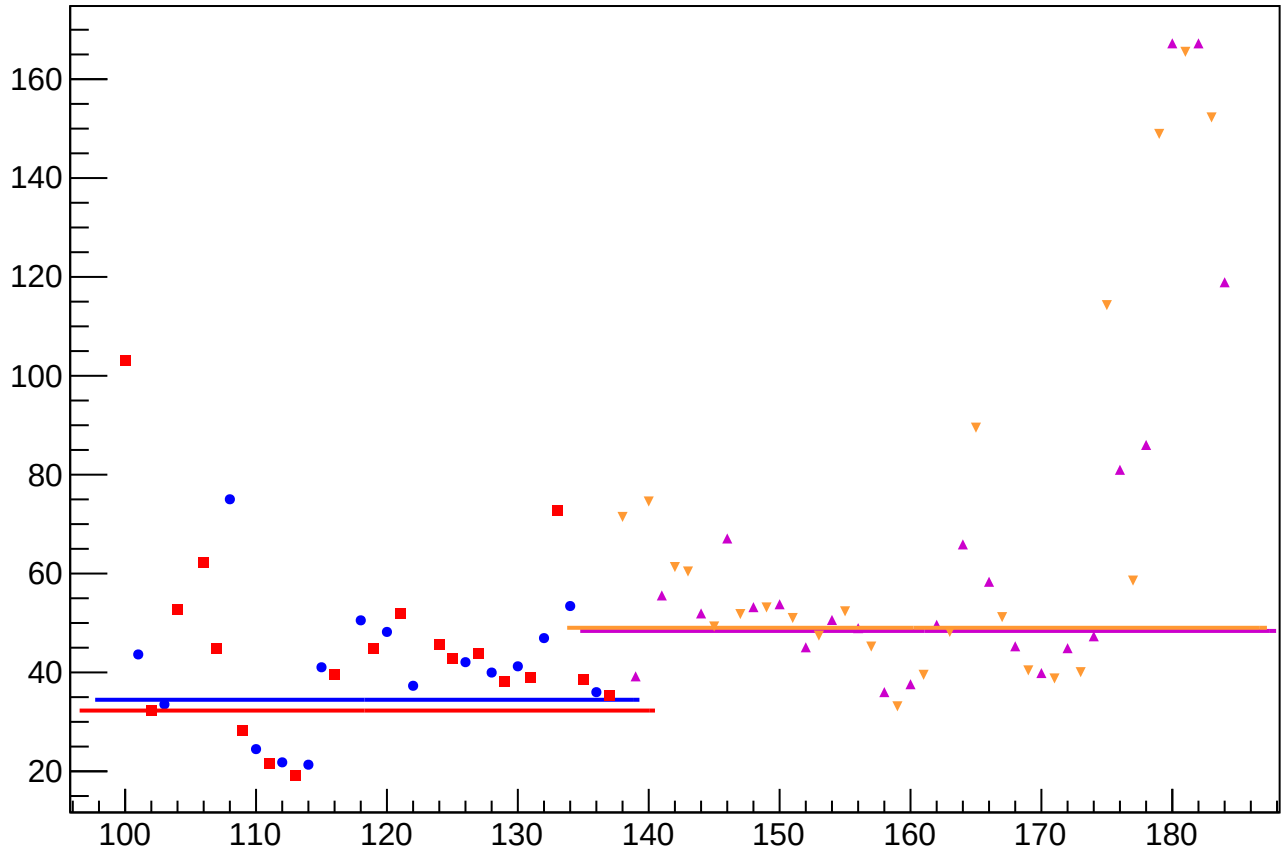
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.1/39

All: 0.012+/-0.006 χ^2/NDF: 91.3/81

- sign 0.008+/-0.009 χ^2/NDF: 40.8/41



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

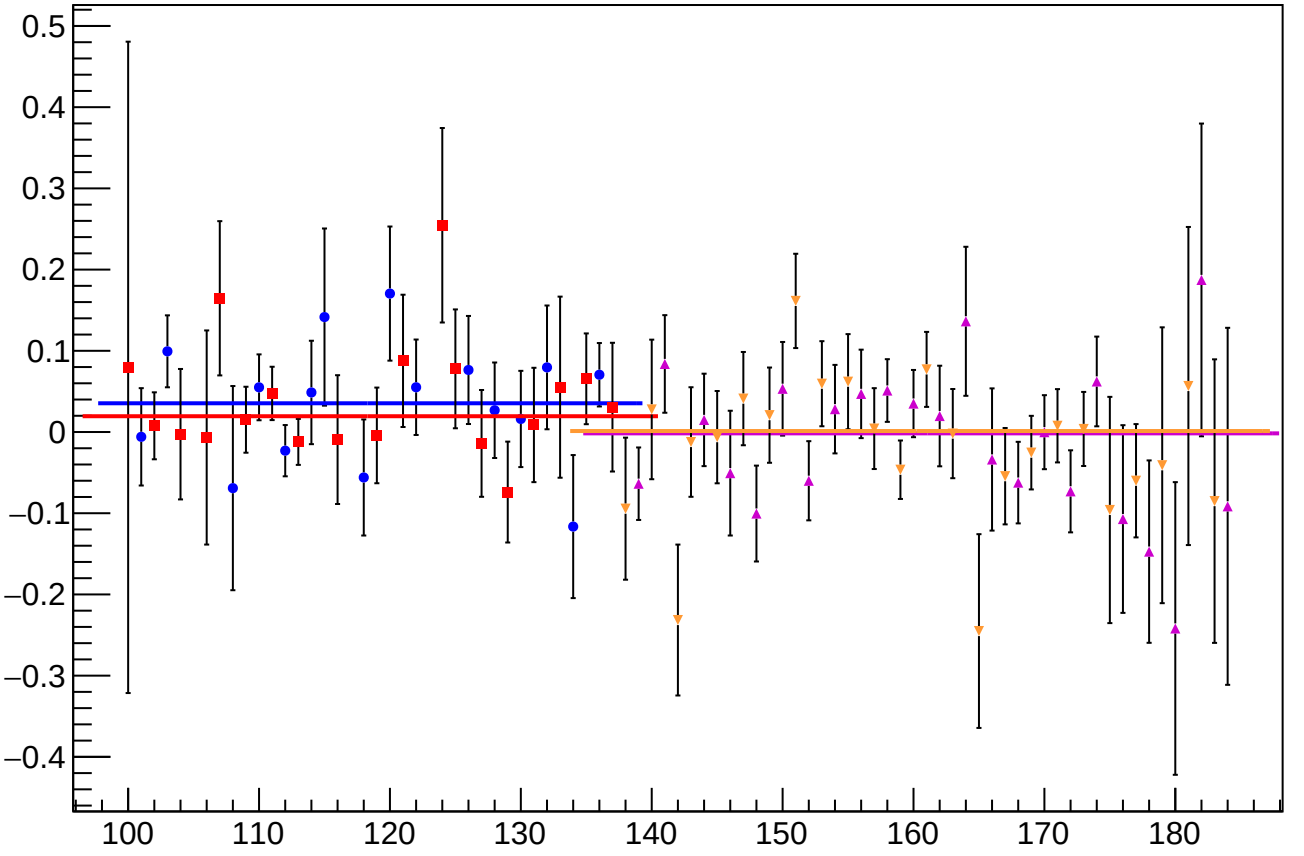
Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.623+/-0.007 χ^2/NDF: 6375172.6/39

All: 41.697+/-0.005 χ^2/NDF: 12715865.8/81

- sign 40.814+/-0.006 χ^2/NDF: 6301261.4/41

asym_sam_3748_avg_eigen_dit_vs_eigen_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

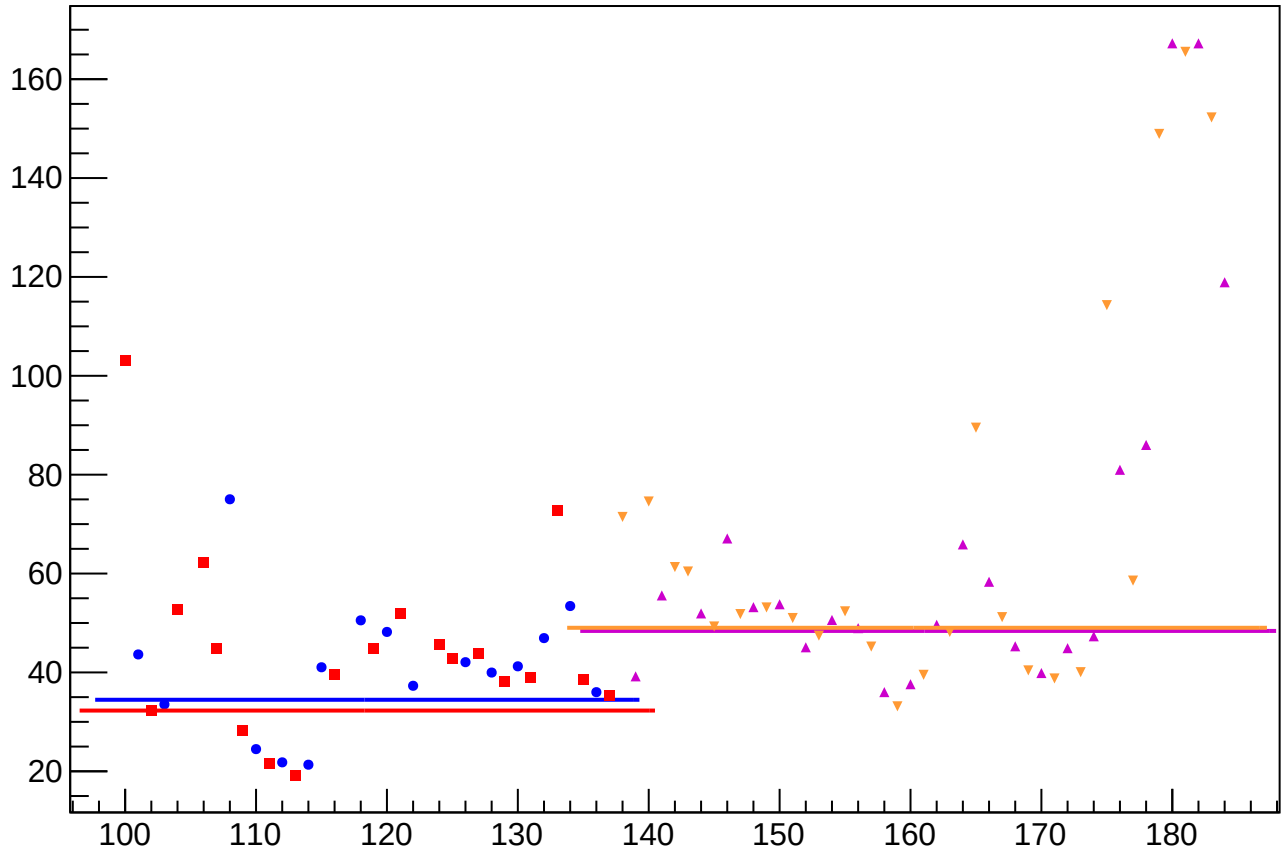
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.1/39

All: 0.012+/-0.006 χ^2/NDF: 91.3/81

- sign 0.008+/-0.009 χ^2/NDF: 40.8/41



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 49.029+/-0.009 χ^2/NDF:3973437.1/23

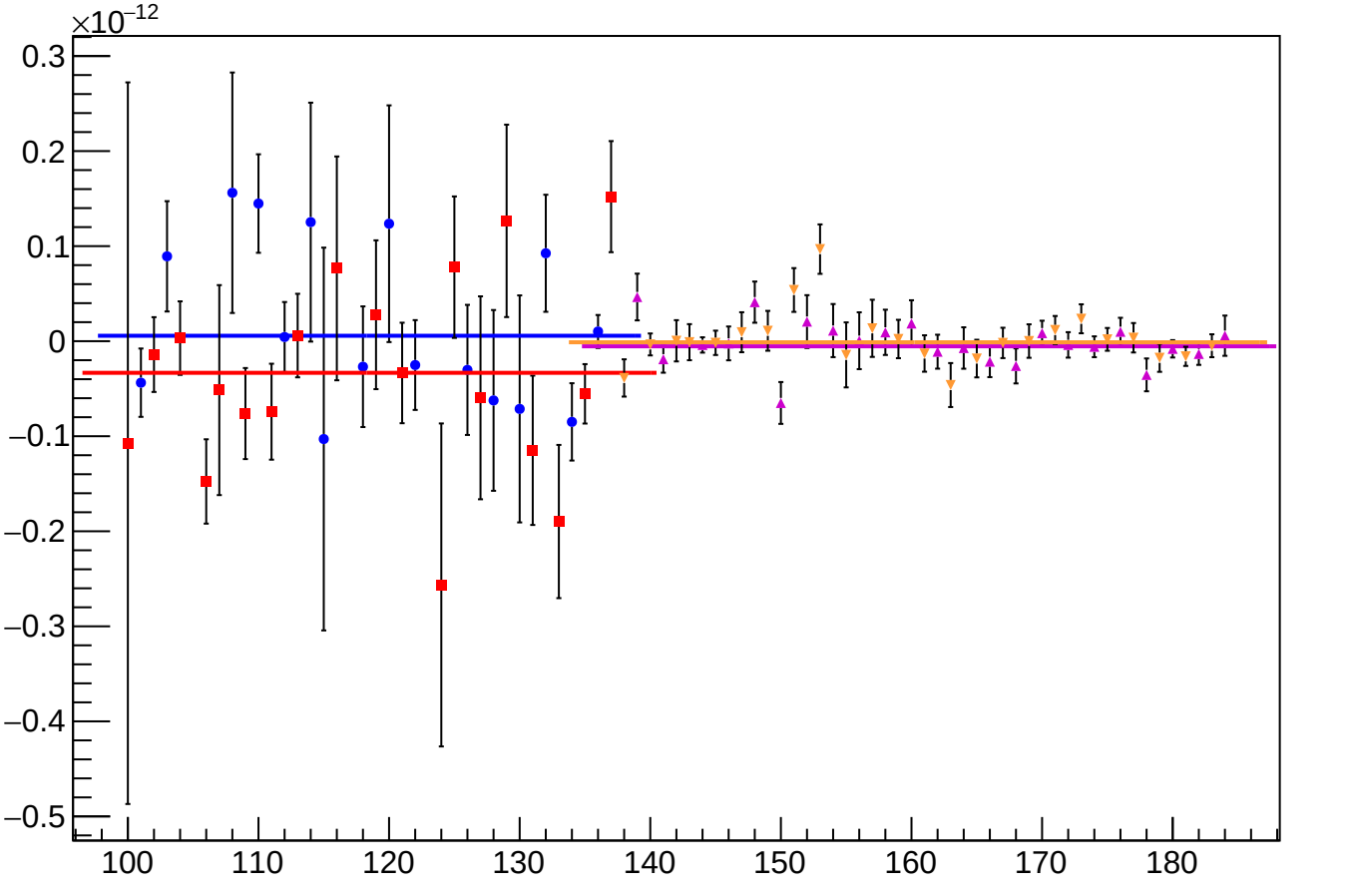
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.623+/-0.007 χ^2/NDF: 6375172.6/39

All: 41.697+/-0.005 χ^2/NDF: 12715865.8/81

- sign 40.814+/-0.006 χ^2/NDF: 6301261.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.6/23

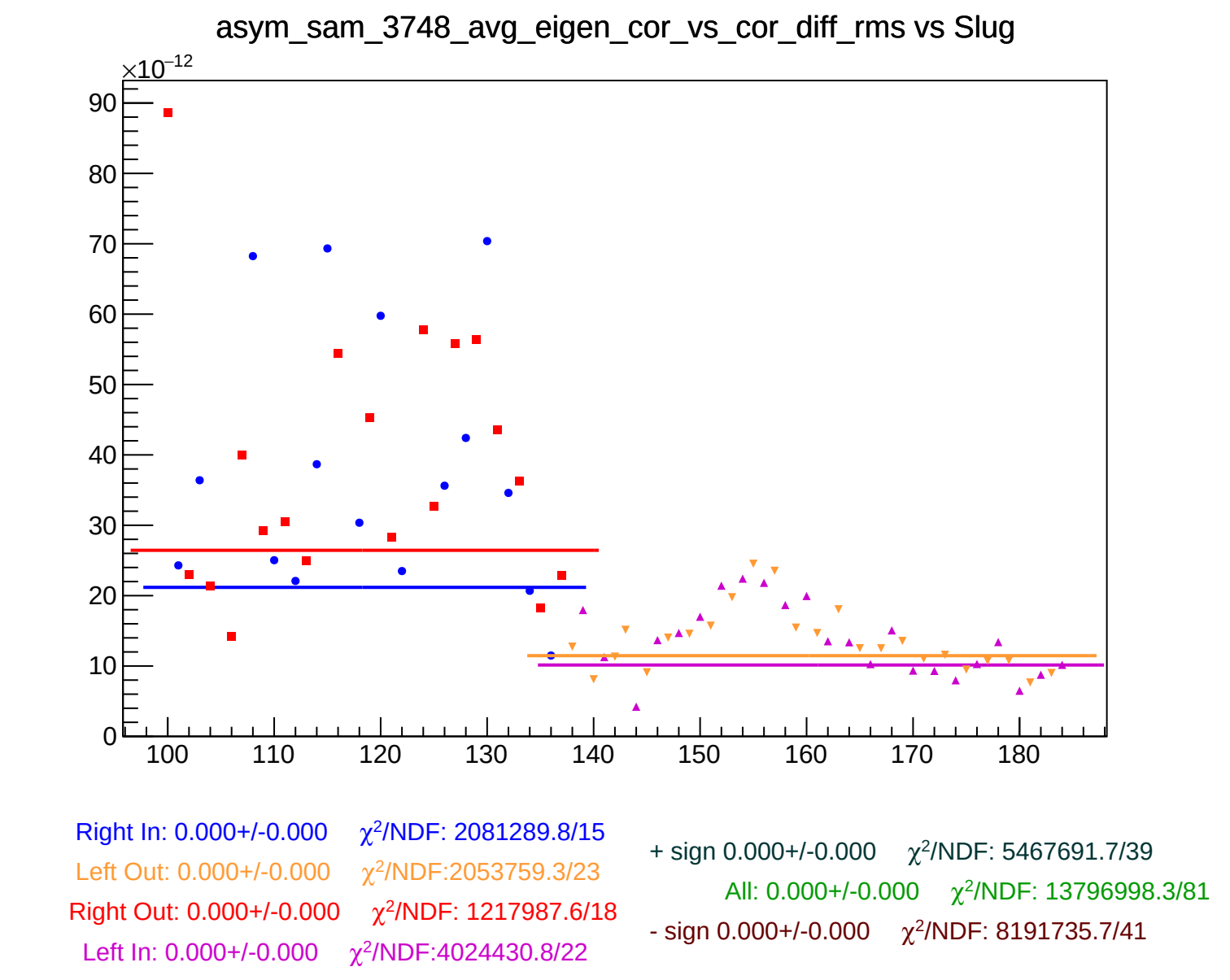
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

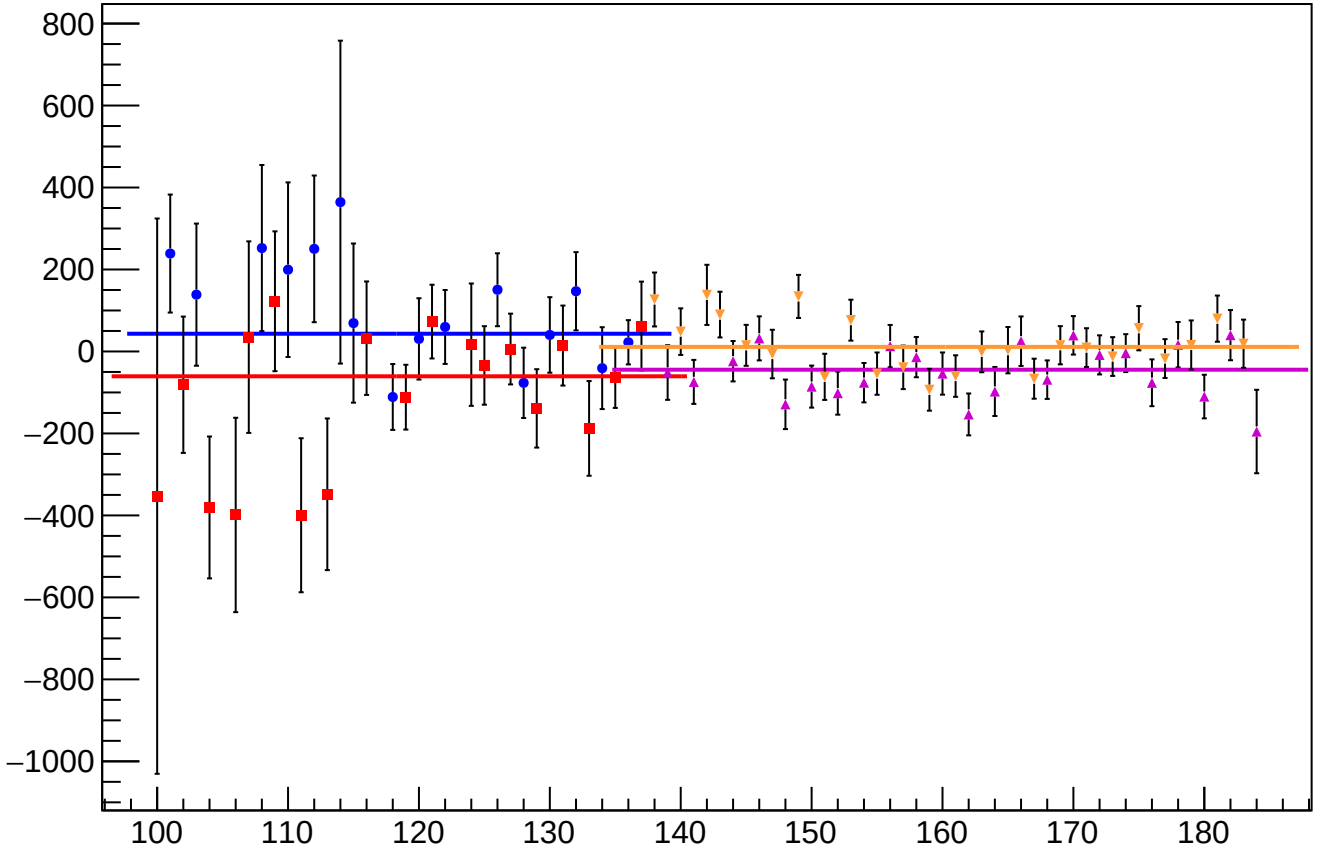
+ sign -0.000+/-0.000 χ^2/NDF: 60.5/39

All: -0.000+/-0.000 χ^2/NDF: 128.7/81

- sign -0.000+/-0.000 χ^2/NDF: 66.2/41


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:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5467691.7/39
All: 0.000+/-0.000 χ²/NDF: 13796998.3/81
- sign 0.000+/-0.000 χ²/NDF: 8191735.7/41

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

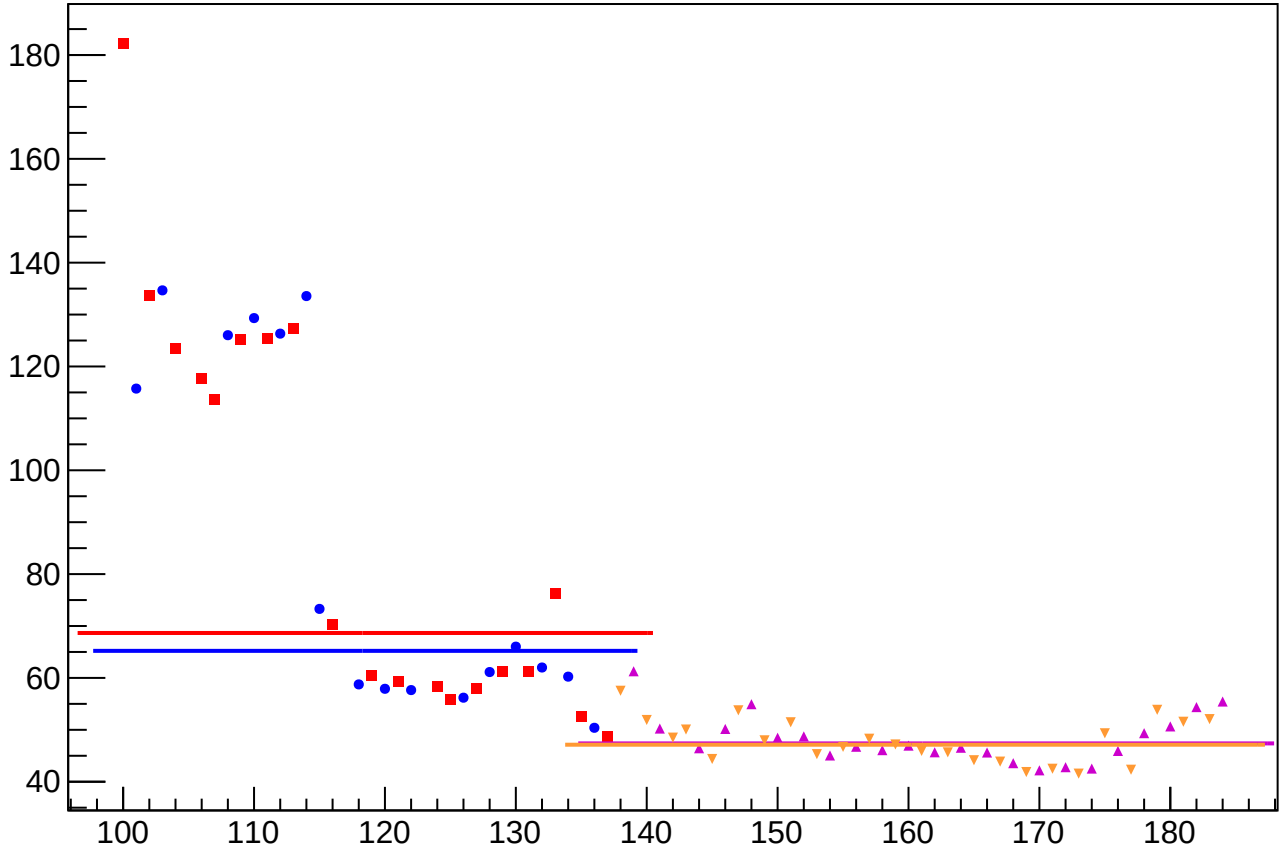
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 15.992+/-10.007 χ^2/NDF: 47.9/39

All: -14.547+/-7.177 χ^2/NDF: 114.8/81

- sign -46.893+/-10.299 χ^2/NDF: 47.7/41

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

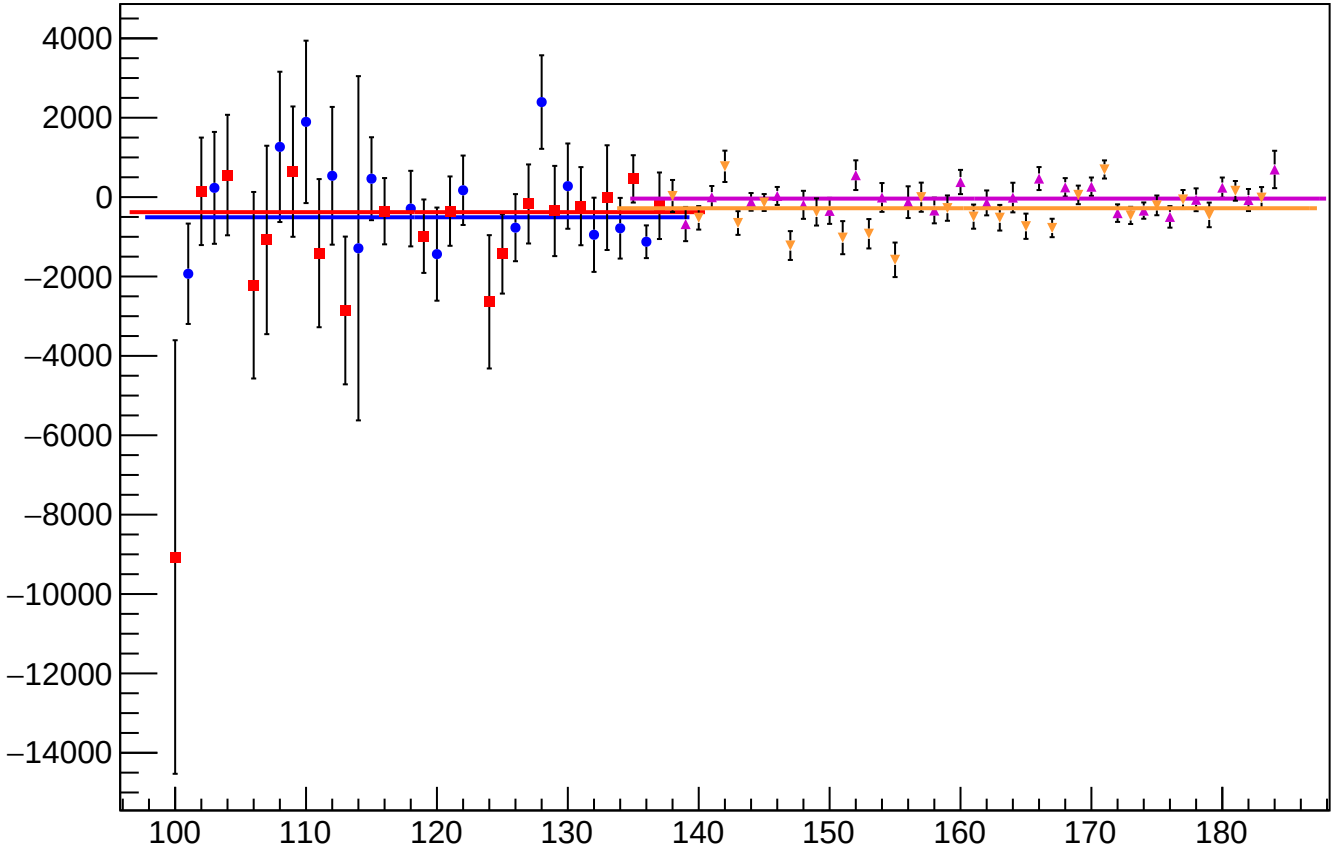
Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.856+/-0.007 χ^2/NDF: 2564780.5/39

All: 50.170+/-0.005 χ^2/NDF: 5548574.8/81

- sign 50.503+/-0.007 χ^2/NDF: 2979735.6/41

asym_sam_1526_avg_reg_correction_mean vs Slug



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

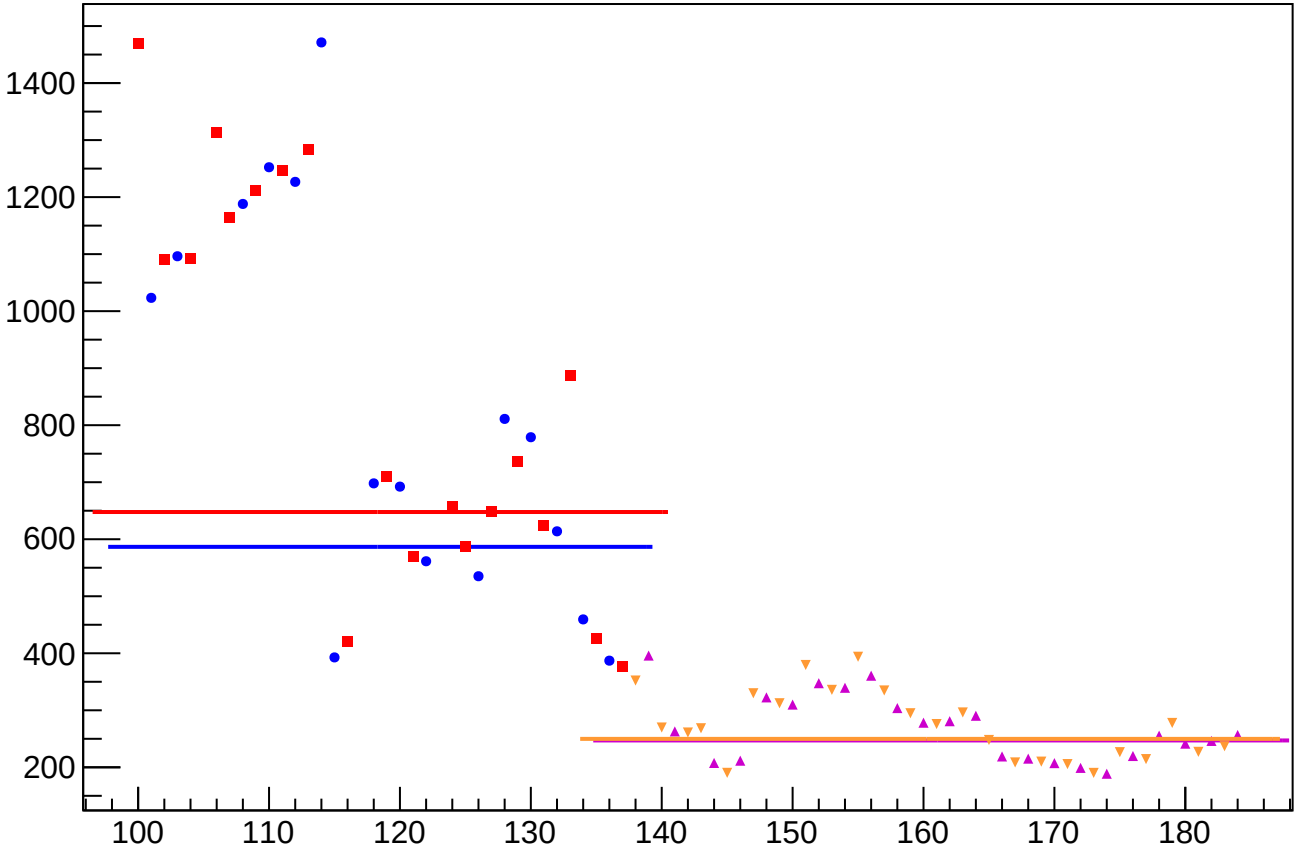
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -293.398+/-56.934 χ^2/NDF: 83.4/39

All: -175.571+/-40.507 χ^2/NDF: 132.1/81

- sign -54.783+/-57.645 χ^2/NDF: 40.0/41

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

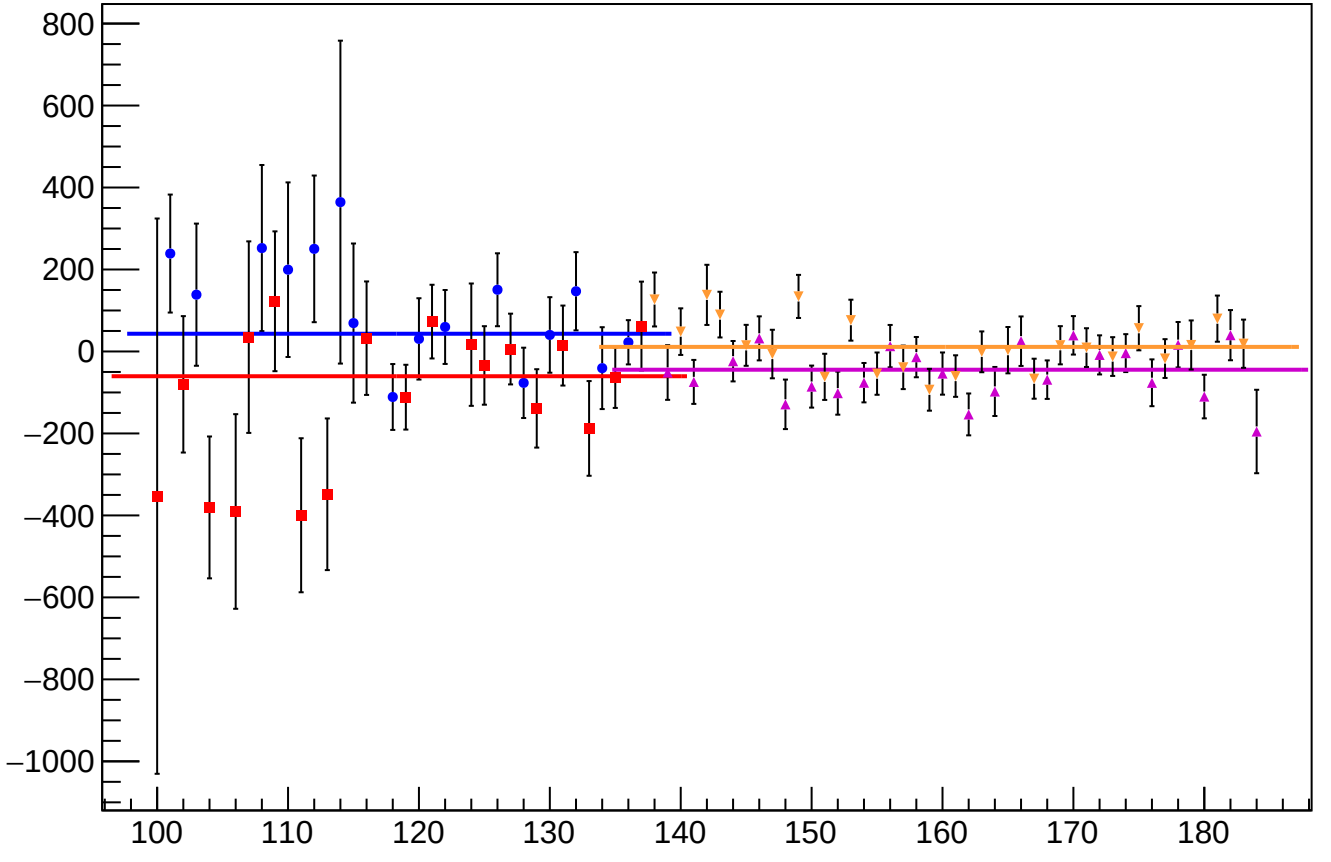
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 269.315+/-0.040 χ^2/NDF: 7497392.6/39

All: 268.349+/-0.029 χ^2/NDF: 15724453.9/81

- sign 267.358+/-0.041 χ^2/NDF: 8225894.8/41

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

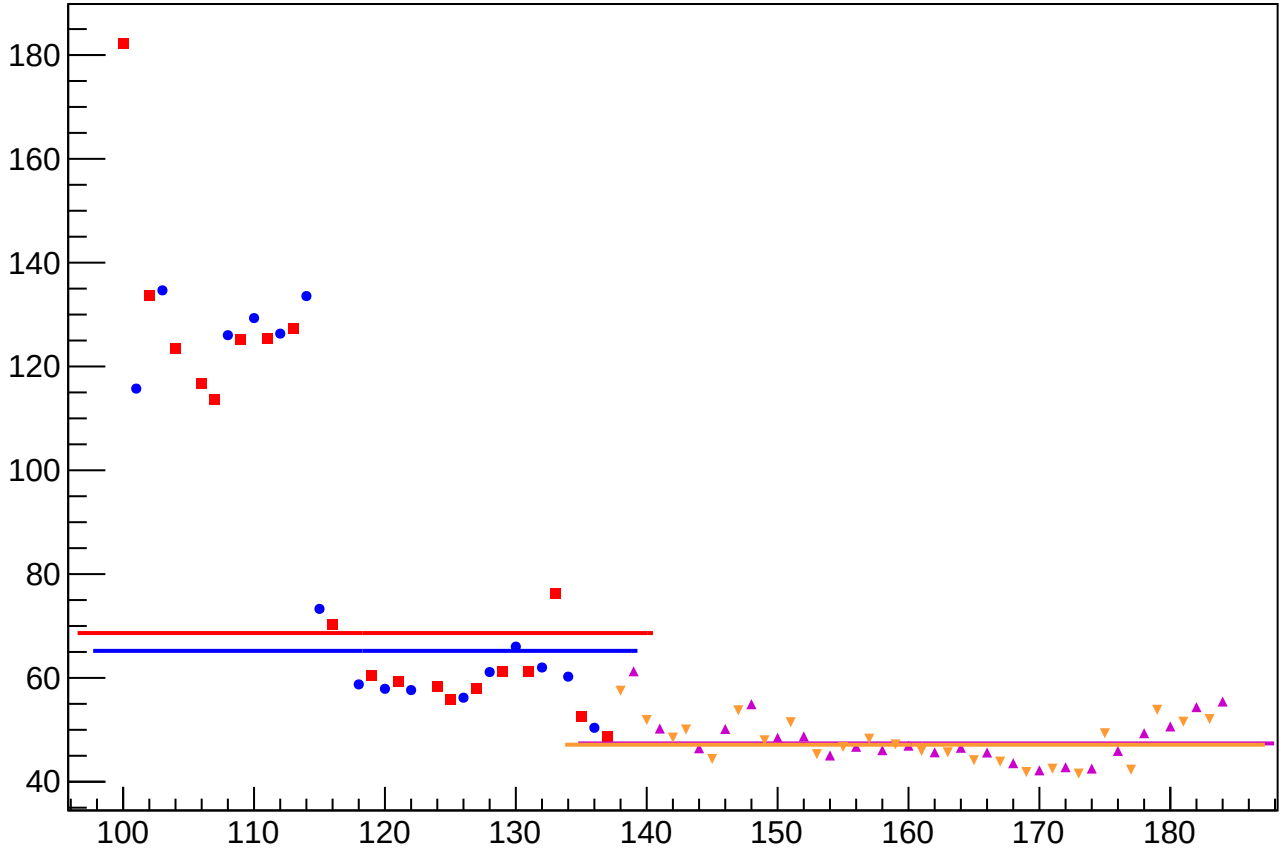
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 15.992+/-10.007 χ^2/NDF: 47.9/39

All: -14.536+/-7.177 χ^2/NDF: 114.6/81

- sign -46.870+/-10.299 χ^2/NDF: 47.6/41

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

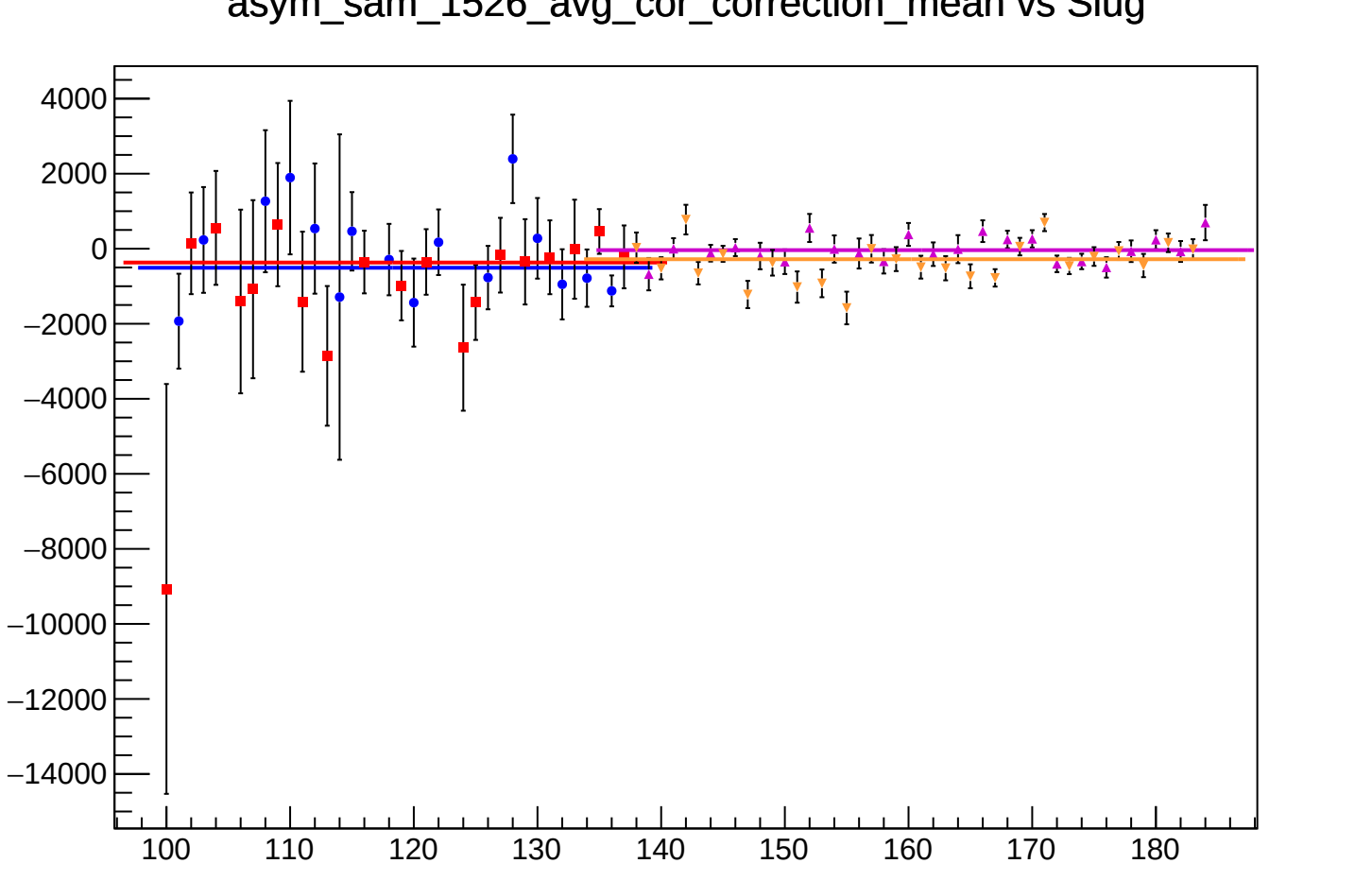
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.856+/-0.007 χ^2/NDF: 2564782.5/39

All: 50.169+/-0.005 χ^2/NDF: 5543706.5/81

- sign 50.501+/-0.007 χ^2/NDF: 2974893.7/41



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

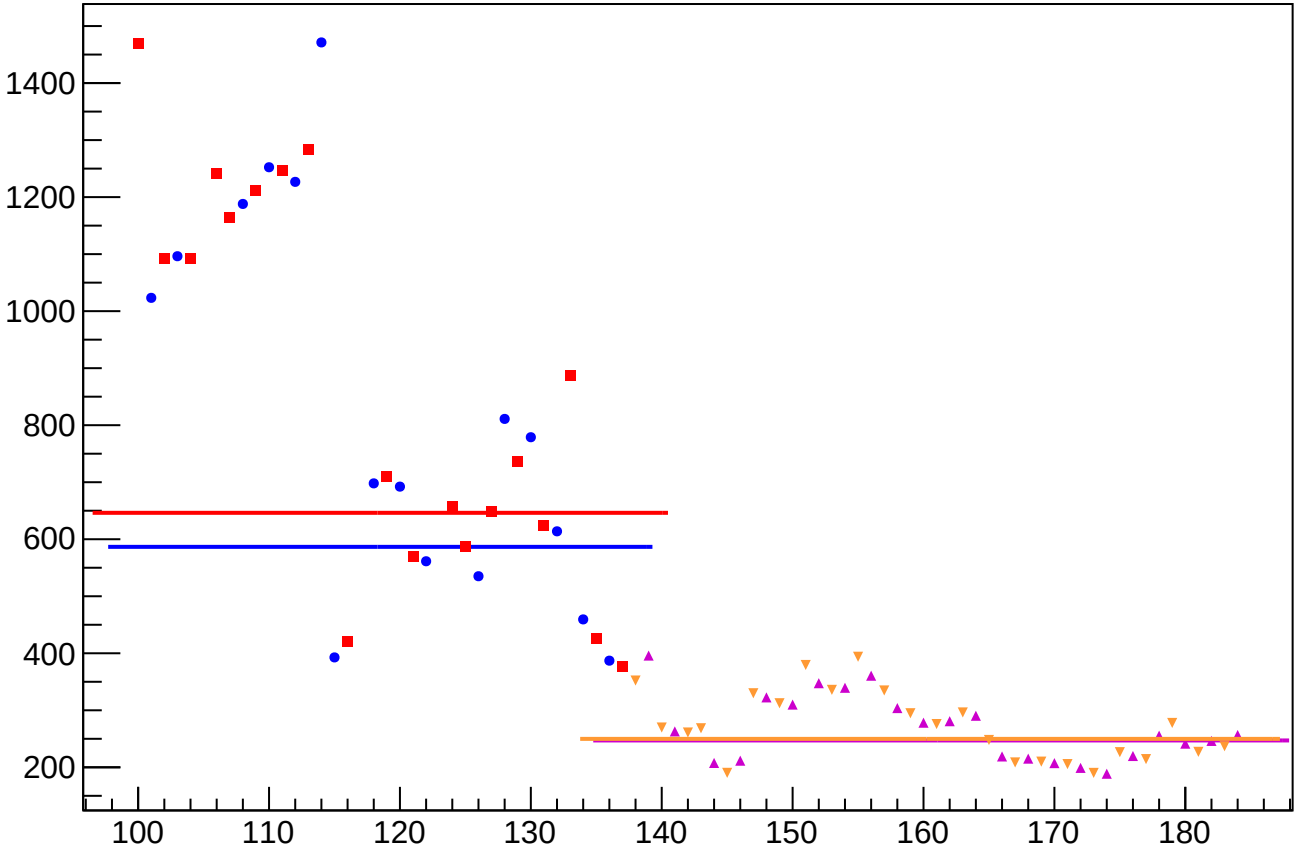
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -293.394+/-56.934 χ^2/NDF: 83.4/39

All: -175.300+/-40.508 χ^2/NDF: 131.6/81

- sign -54.231+/-57.646 χ^2/NDF: 39.5/41

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

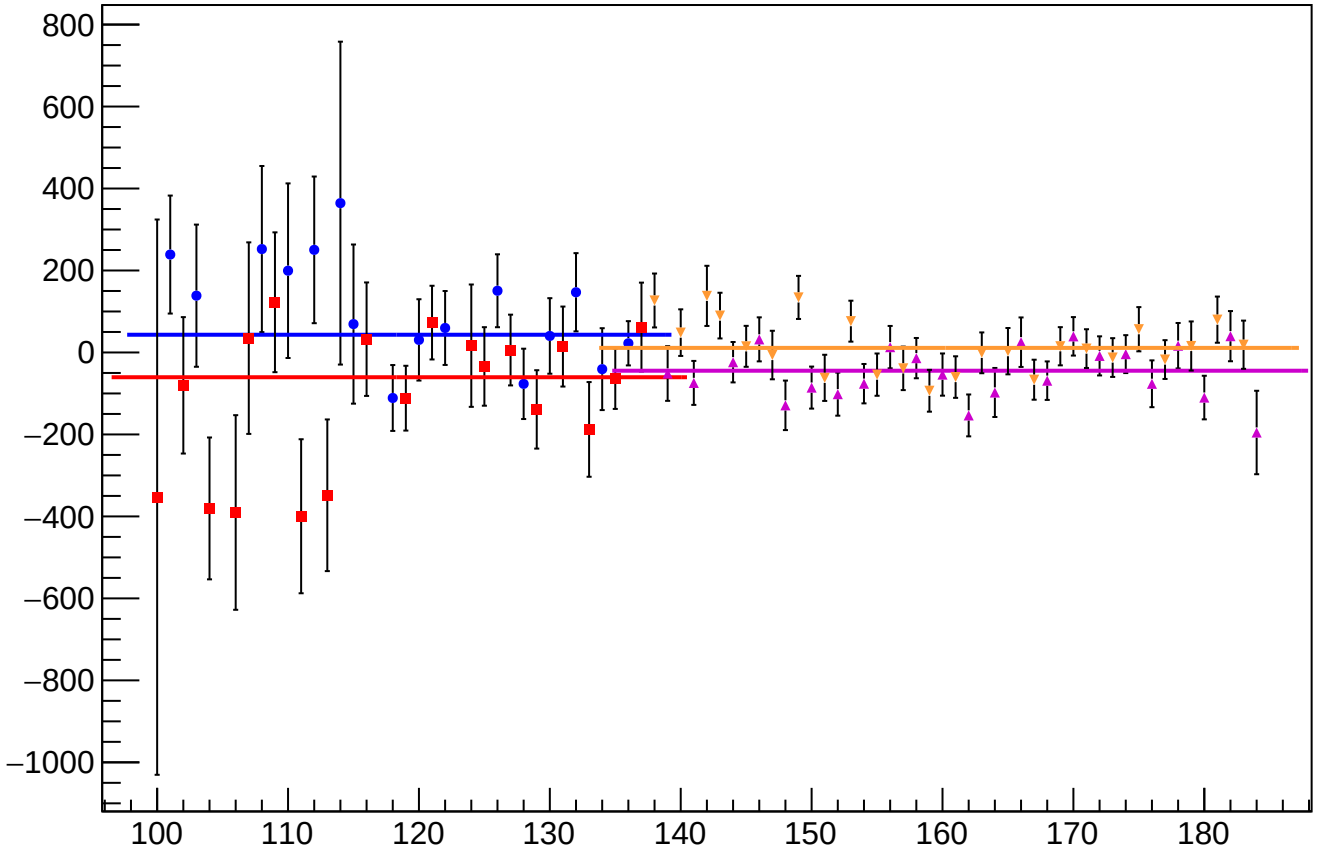
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 269.315+/-0.040 χ^2/NDF: 7497426.3/39

All: 268.304+/-0.029 χ^2/NDF: 15645282.3/81

- sign 267.268+/-0.041 χ^2/NDF: 8146580.2/41

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

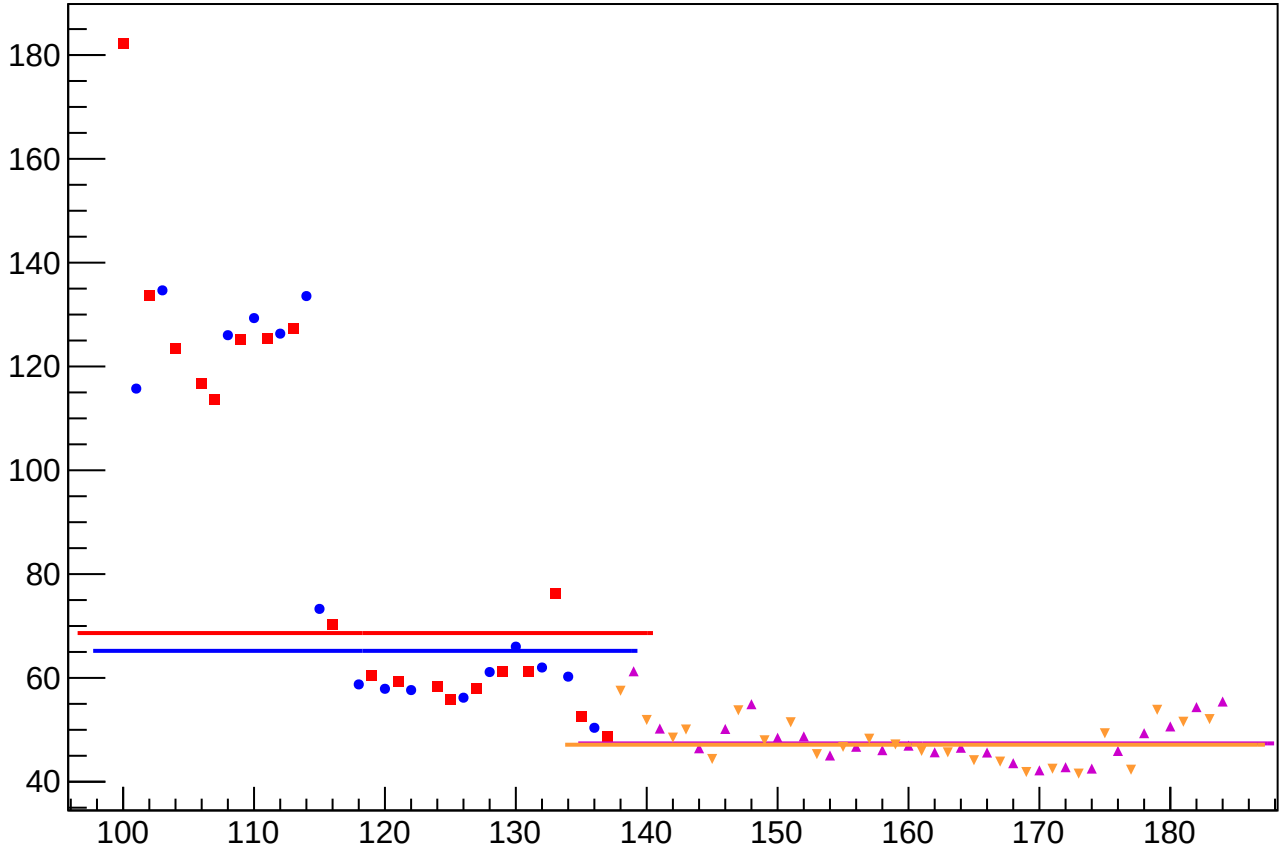
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 15.992+/-10.007 χ^2/NDF: 47.9/39

All: -14.536+/-7.177 χ^2/NDF: 114.6/81

- sign -46.870+/-10.299 χ^2/NDF: 47.6/41

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

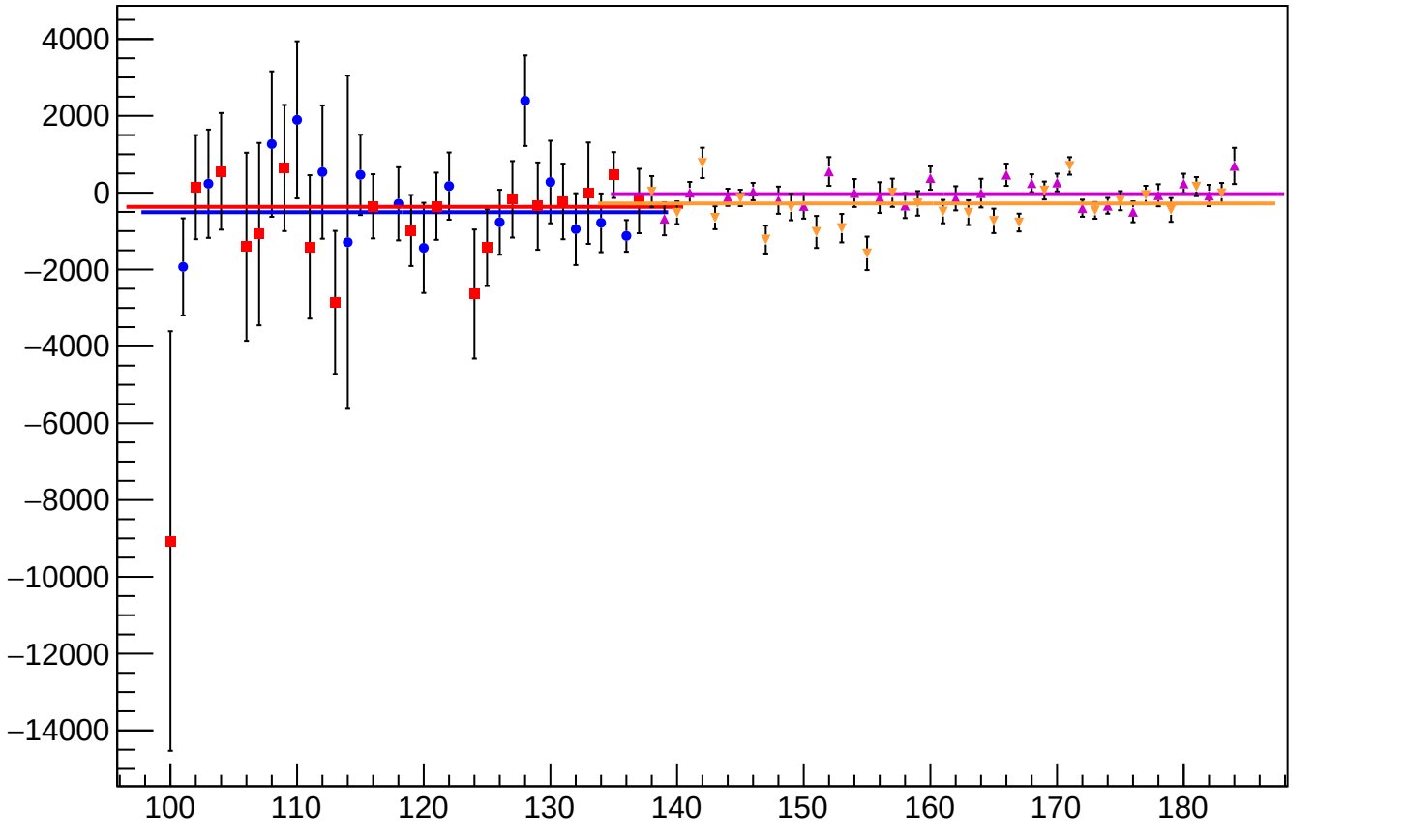
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.856+/-0.007 χ^2/NDF: 2564782.5/39

All: 50.169+/-0.005 χ^2/NDF: 5543706.5/81

- sign 50.501+/-0.007 χ^2/NDF: 2974893.7/41



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -280.250+/-58.652 χ^2/NDF:66.9/23

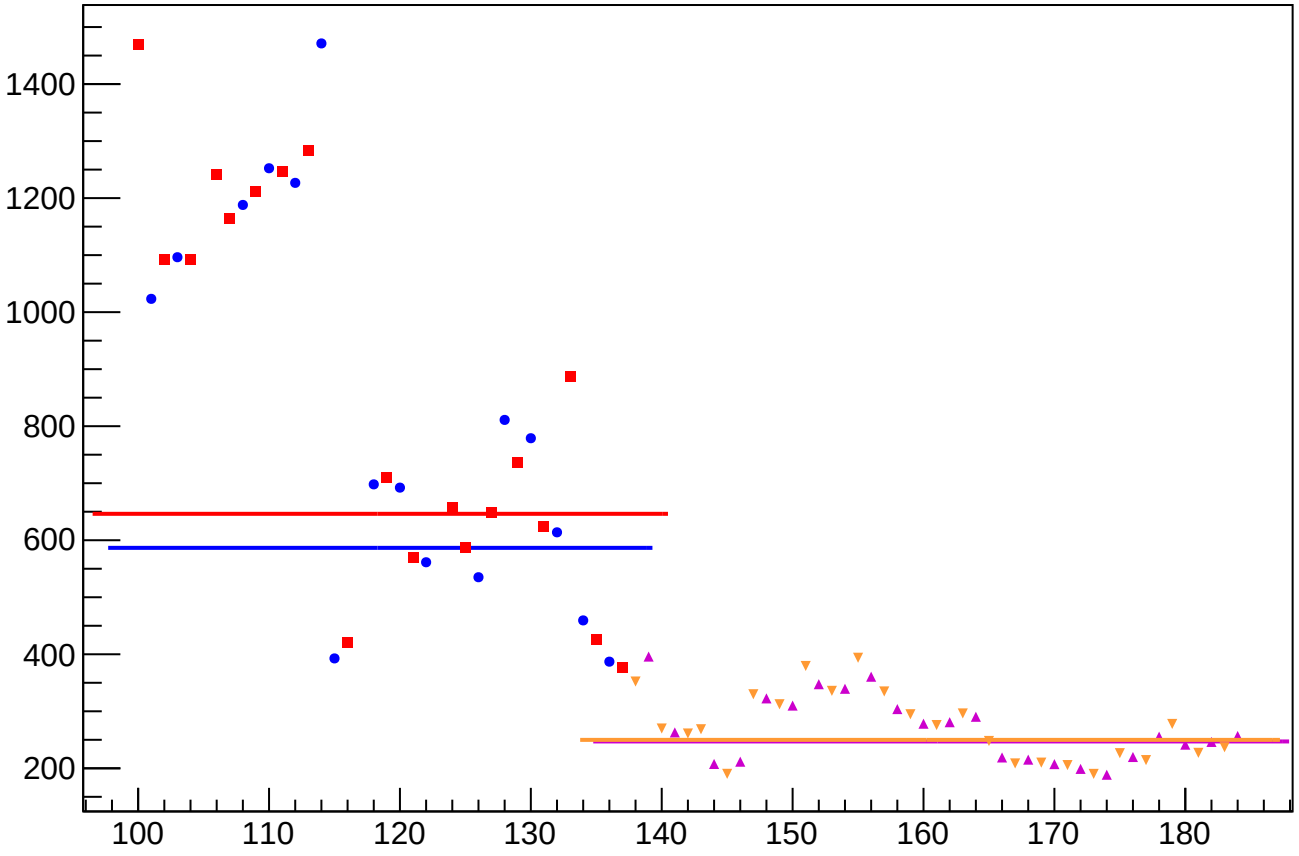
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -293.394+/-56.934 χ^2/NDF: 83.4/39

All: -175.300+/-40.508 χ^2/NDF: 131.6/81

- sign -54.231+/-57.646 χ^2/NDF: 39.5/41



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

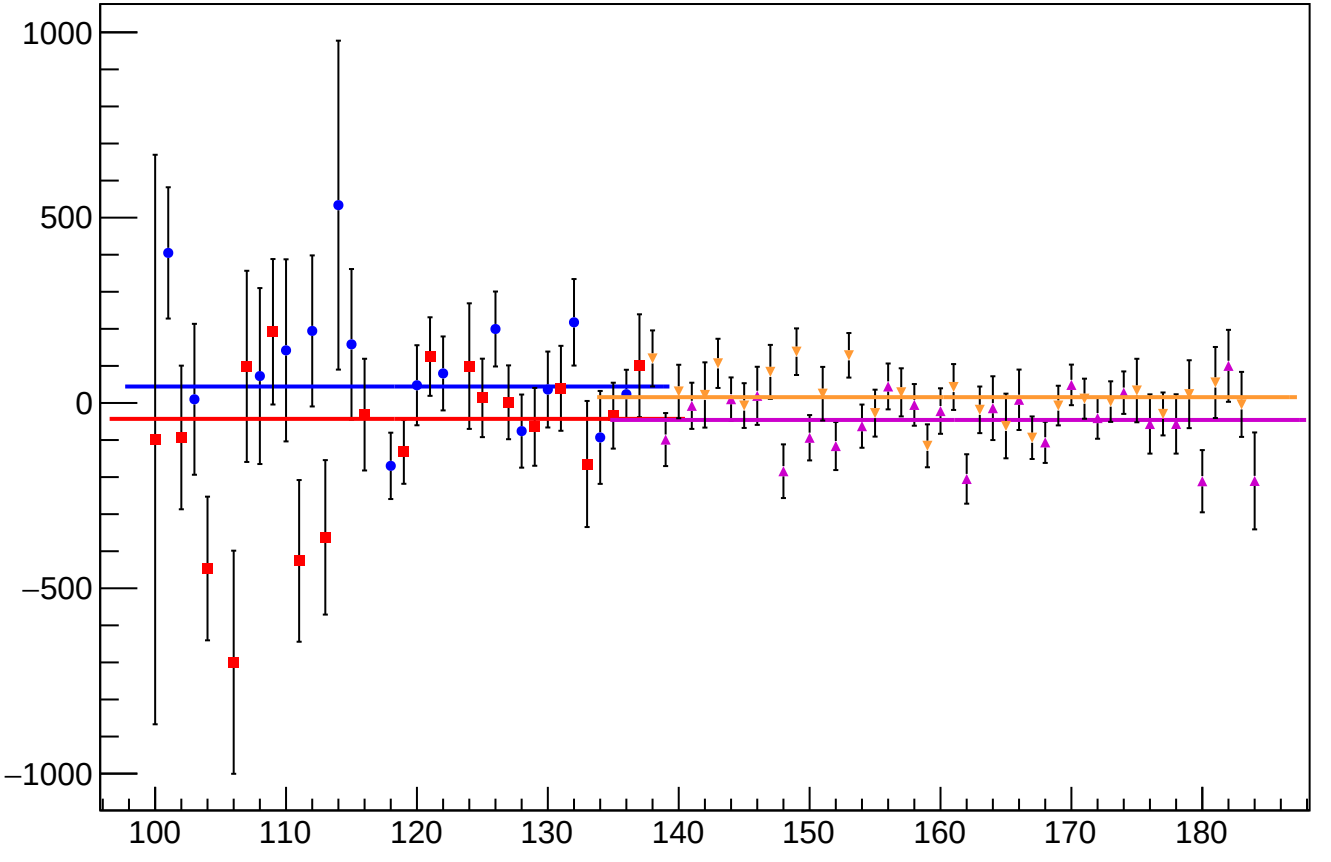
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 269.315+/-0.040 χ^2/NDF: 7497426.3/39

All: 268.304+/-0.029 χ^2/NDF: 15645282.3/81

- sign 267.268+/-0.041 χ^2/NDF: 8146580.2/41

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

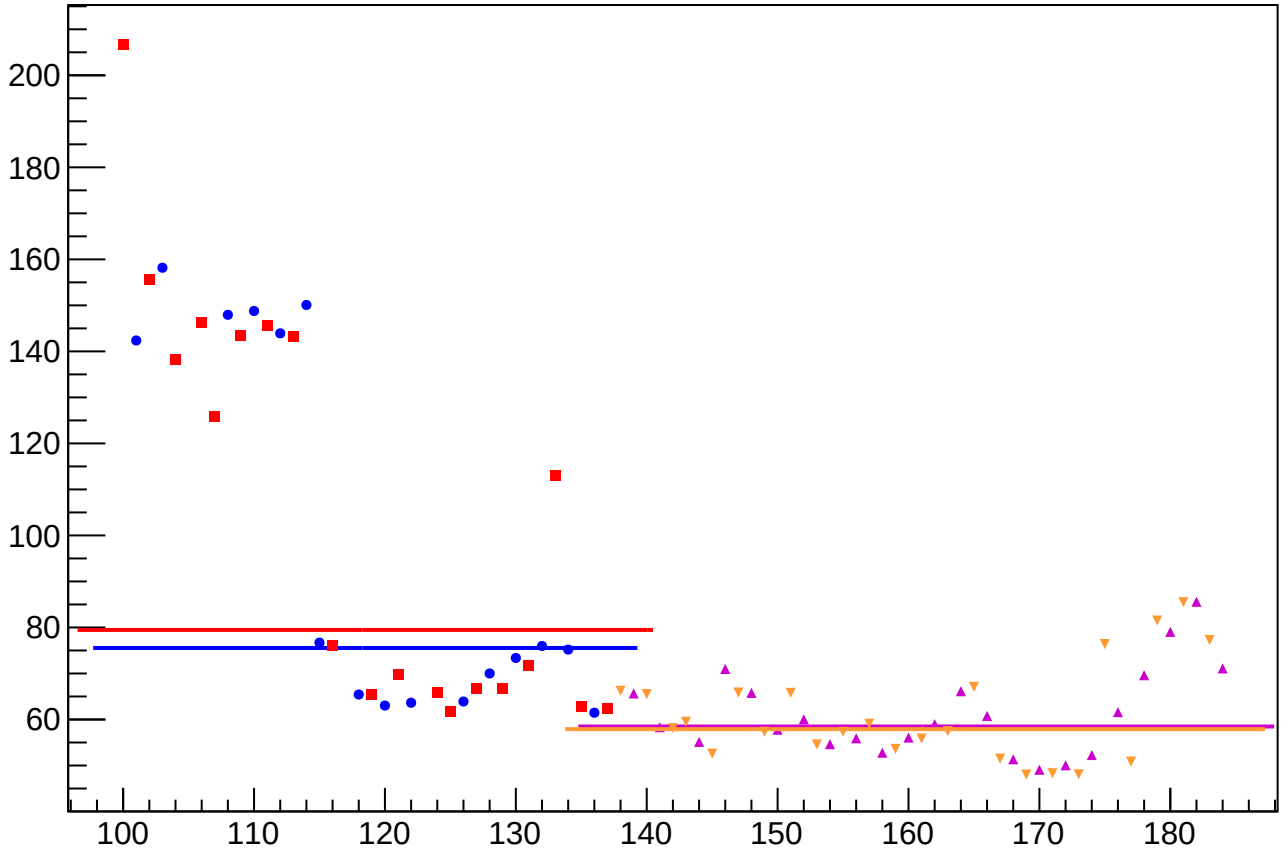
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 20.555+/-12.331 χ^2/NDF: 44.3/39

All: -11.350+/-8.855 χ^2/NDF: 112.1/81

- sign -45.324+/-12.724 χ^2/NDF: 54.0/41

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

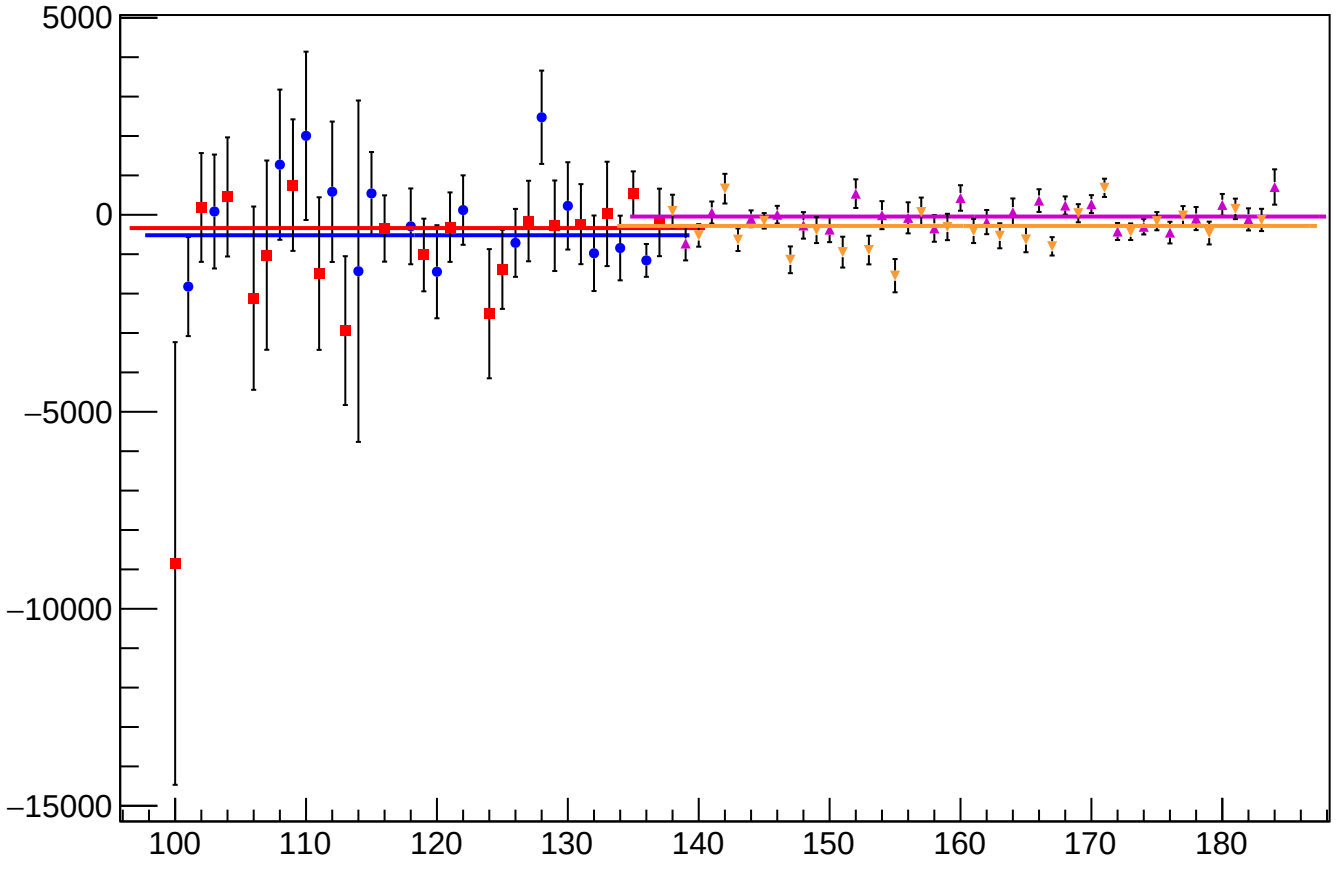
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 60.903+/-0.009 χ^2/NDF: 2936541.1/39

All: 61.414+/-0.006 χ^2/NDF: 6029724.1/81

- sign 61.959+/-0.009 χ^2/NDF: 3086080.6/41



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

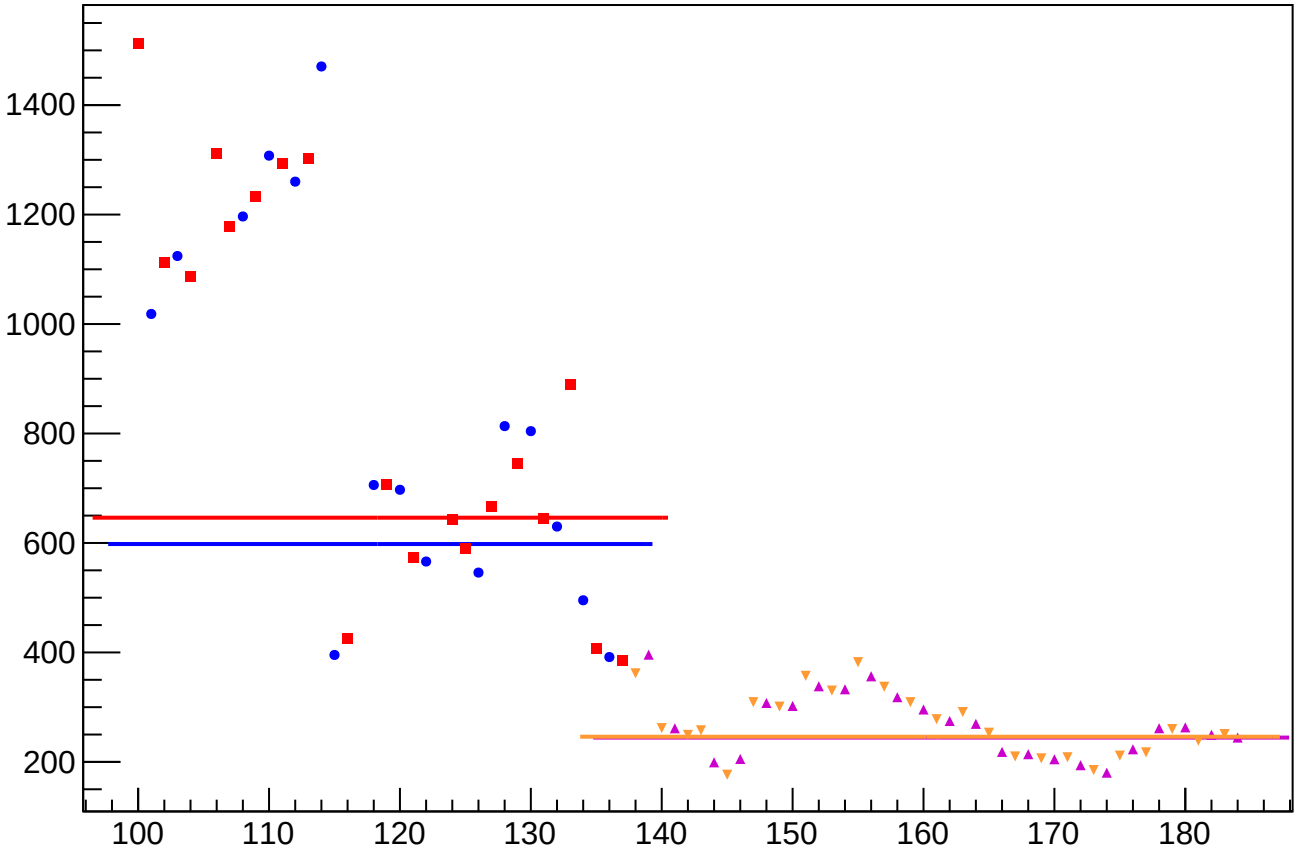
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -295.700+/-56.103 χ^2/NDF: 80.2/39

All: -179.543+/-40.033 χ^2/NDF: 128.5/81

- sign -59.040+/-57.143 χ^2/NDF: 39.6/41

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

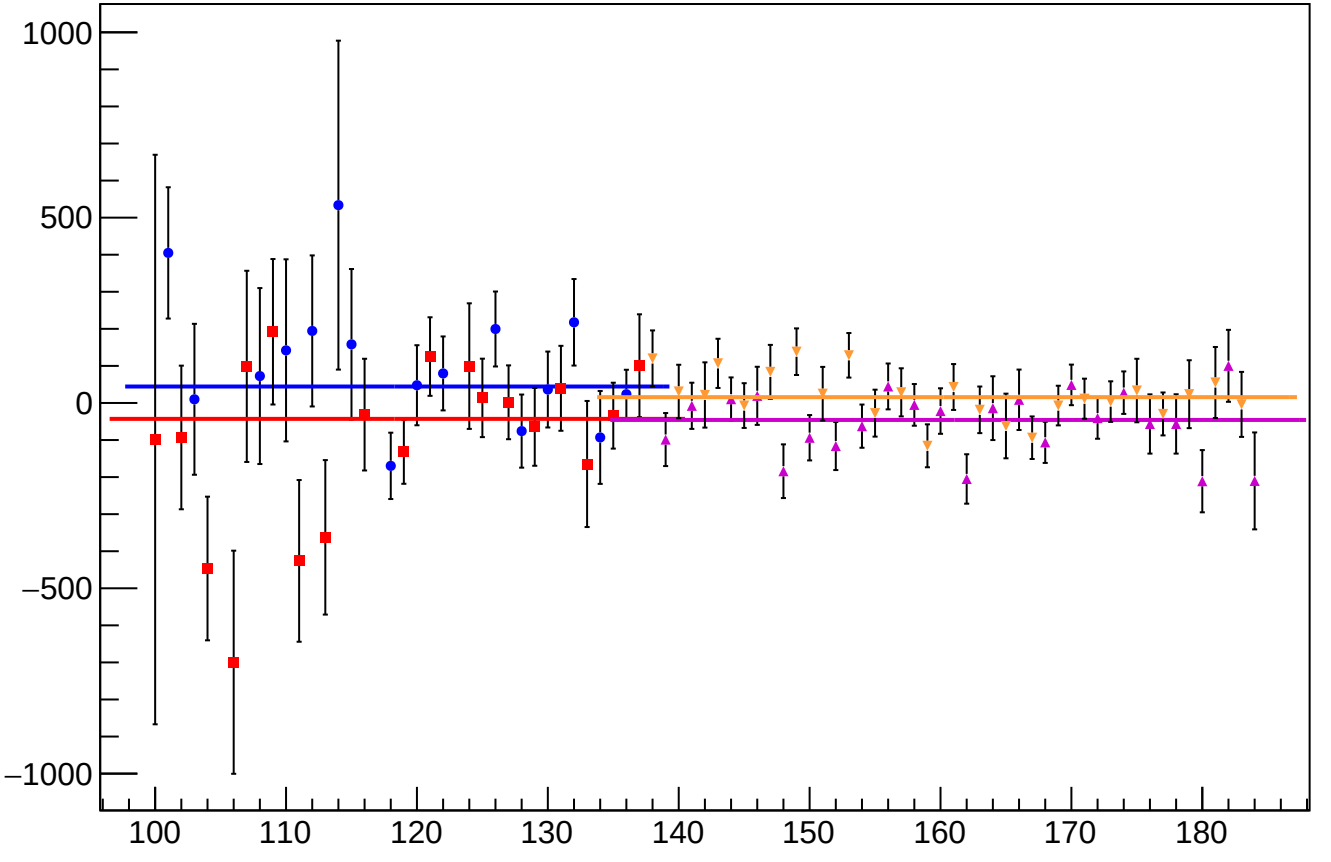
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 265.056+/-0.040 χ^2/NDF: 7754121.3/39

All: 264.719+/-0.028 χ^2/NDF: 16215347.4/81

- sign 264.370+/-0.040 χ^2/NDF: 8461079.5/41

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

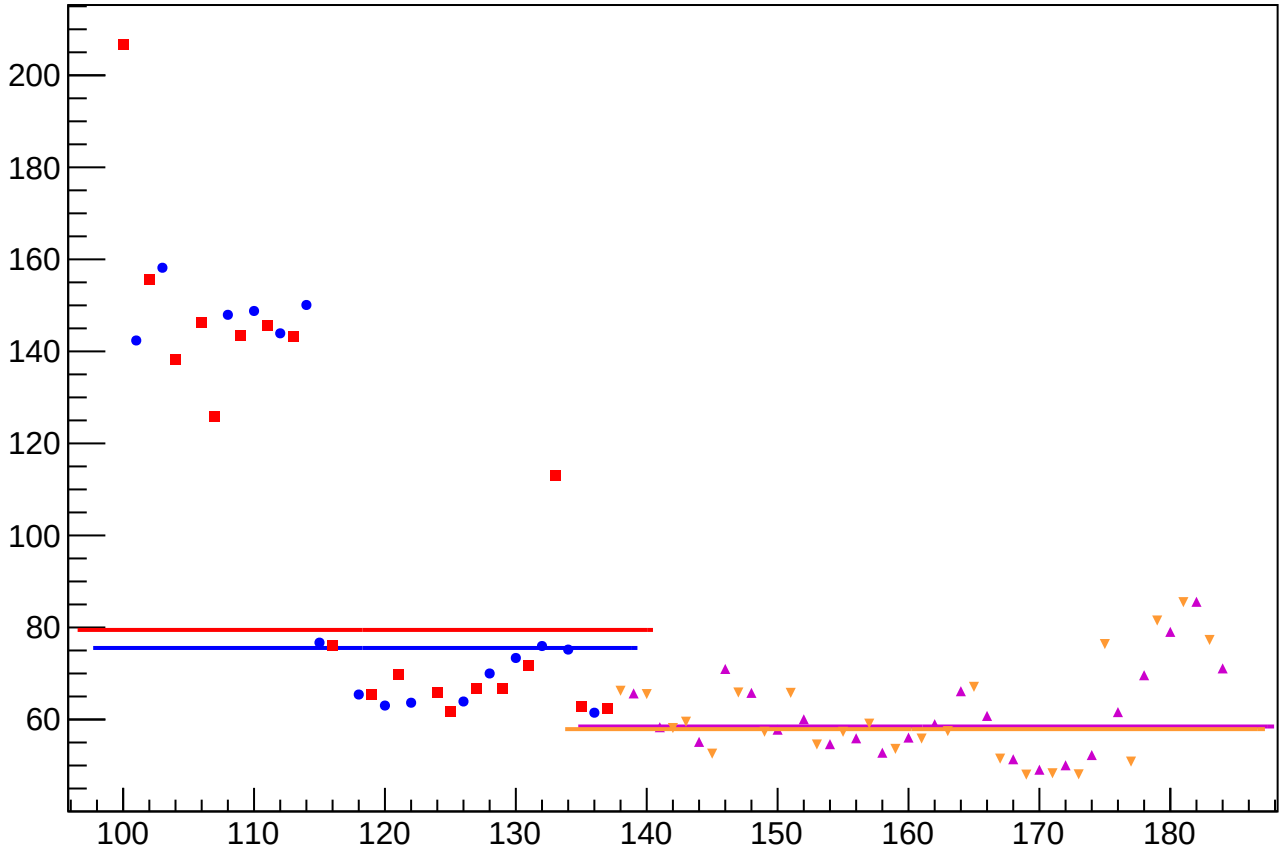
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 20.555+/-12.331 χ^2/NDF: 44.3/39

All: -11.350+/-8.855 χ^2/NDF: 112.1/81

- sign -45.324+/-12.724 χ^2/NDF: 54.0/41

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

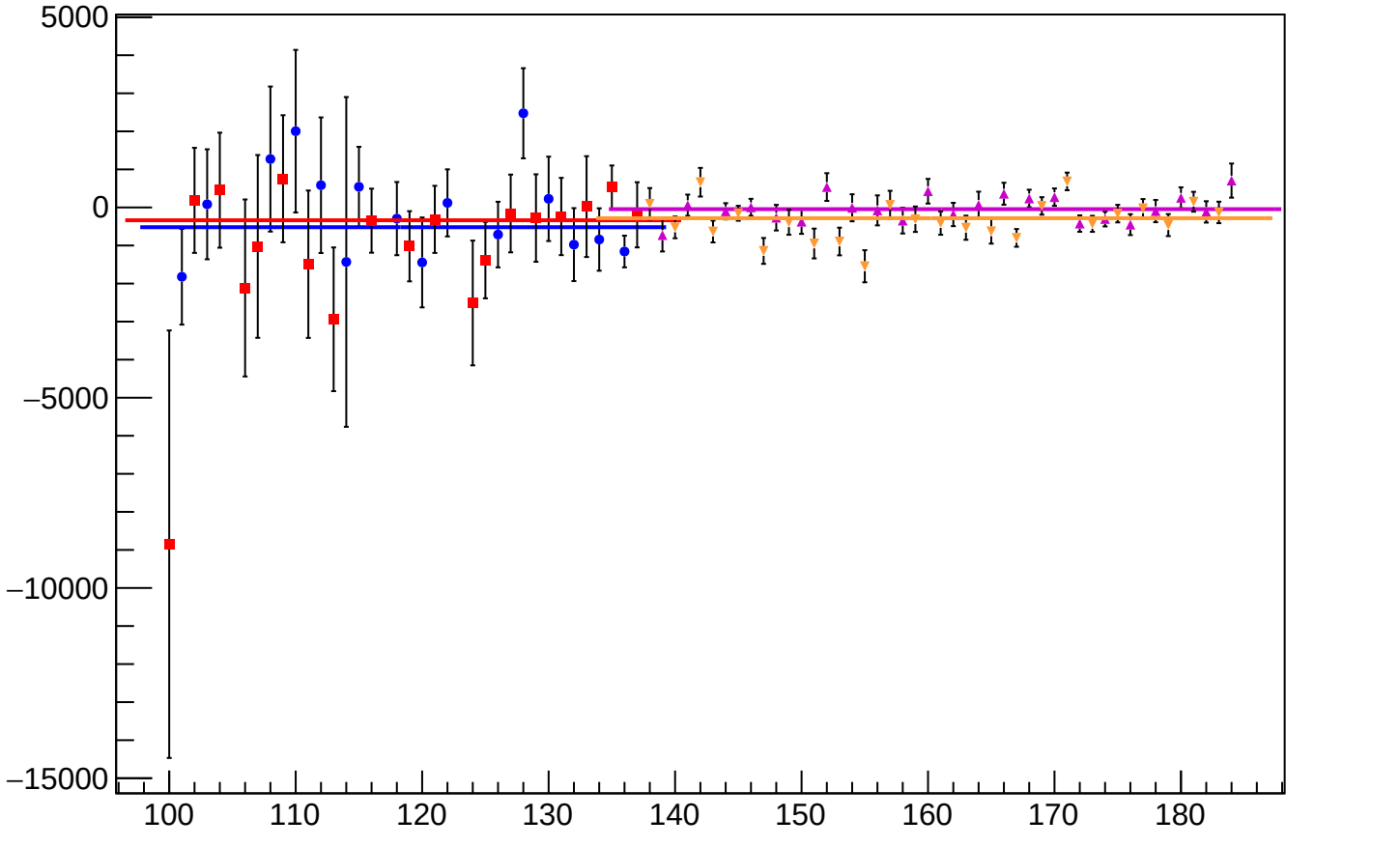
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 60.903+/-0.009 χ^2/NDF: 2936509.1/39

All: 61.414+/-0.006 χ^2/NDF: 6029649.1/81

- sign 61.959+/-0.009 χ^2/NDF: 3086036.7/41



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -282.926+/-57.683 χ^2/NDF:63.5/23

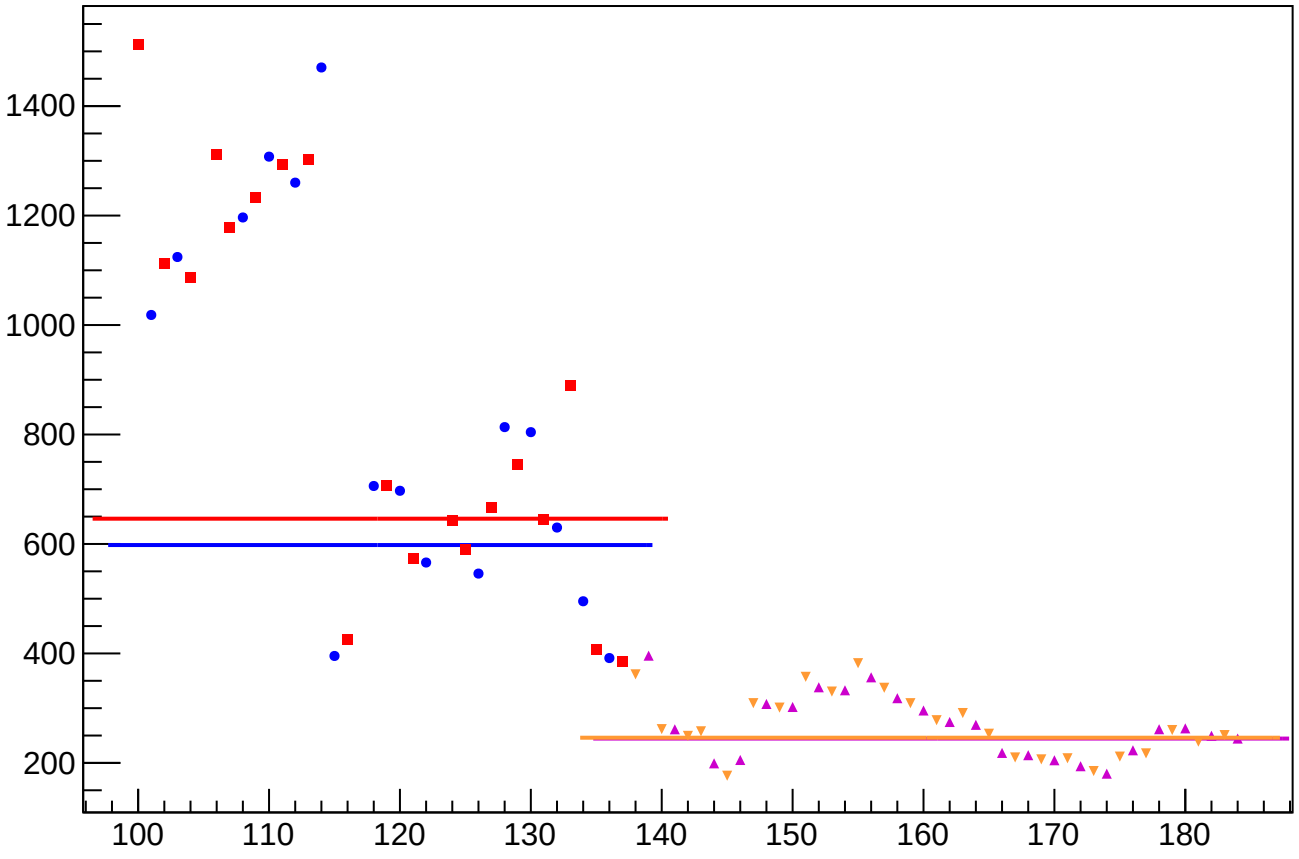
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -295.699+/-56.103 χ^2/NDF: 80.2/39

All: -179.542+/-40.033 χ^2/NDF: 128.5/81

- sign -59.040+/-57.143 χ^2/NDF: 39.6/41



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

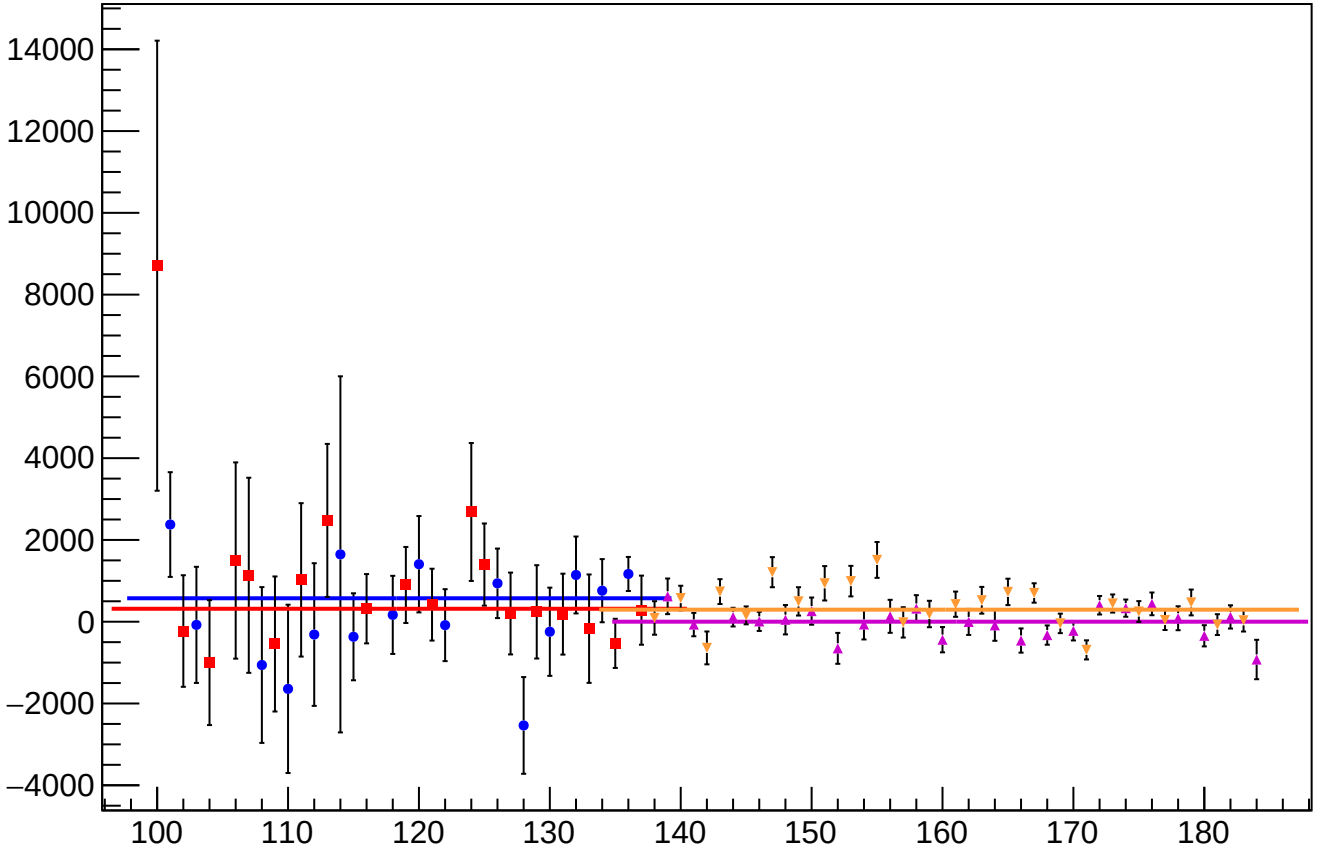
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 265.055+/-0.040 χ^2/NDF: 7754115.1/39

All: 264.719+/-0.028 χ^2/NDF: 16215322.3/81

- sign 264.370+/-0.040 χ^2/NDF: 8461060.7/41

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

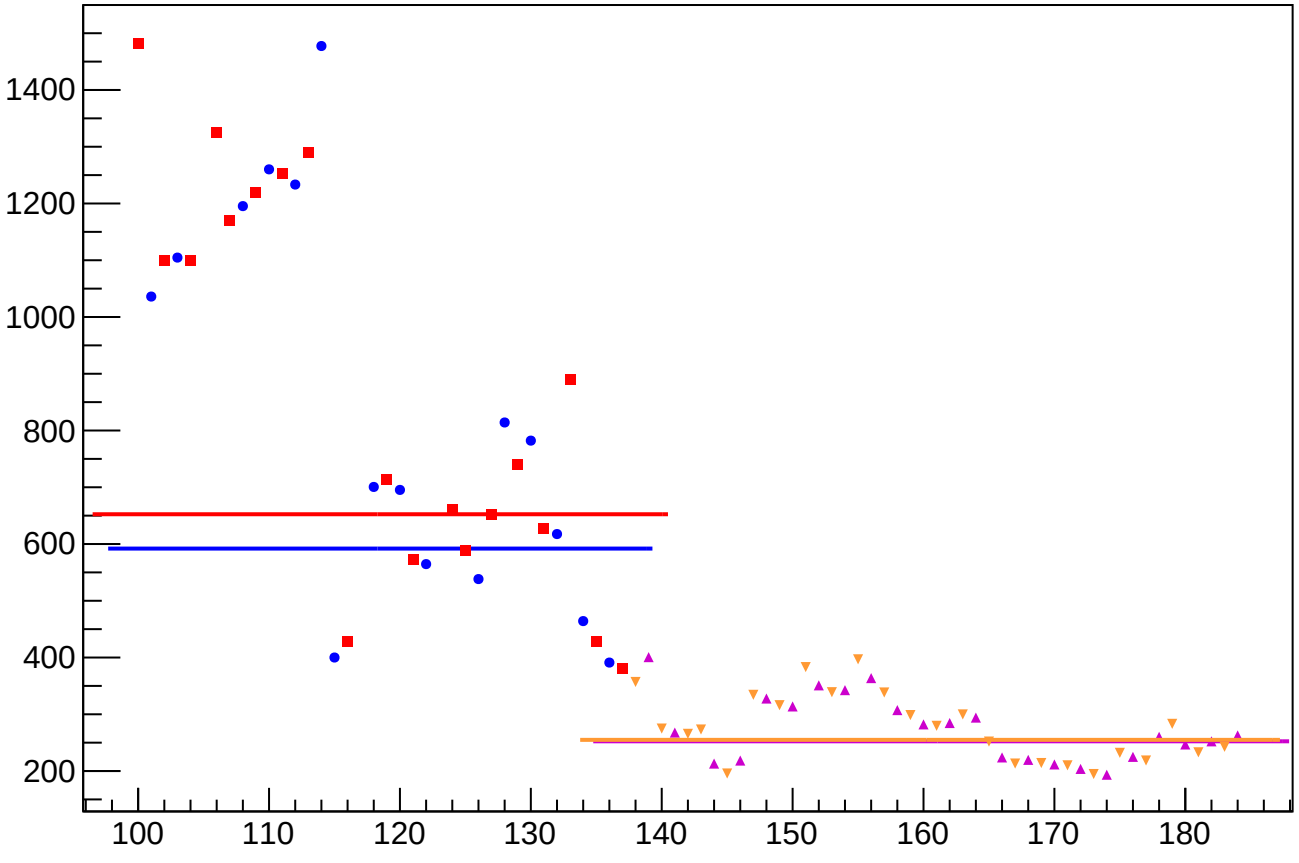
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 310.945+/-57.990 χ^2/NDF: 77.9/39

All: 165.910+/-41.279 χ^2/NDF: 131.1/81

- sign 16.938+/-58.772 χ^2/NDF: 40.6/41

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

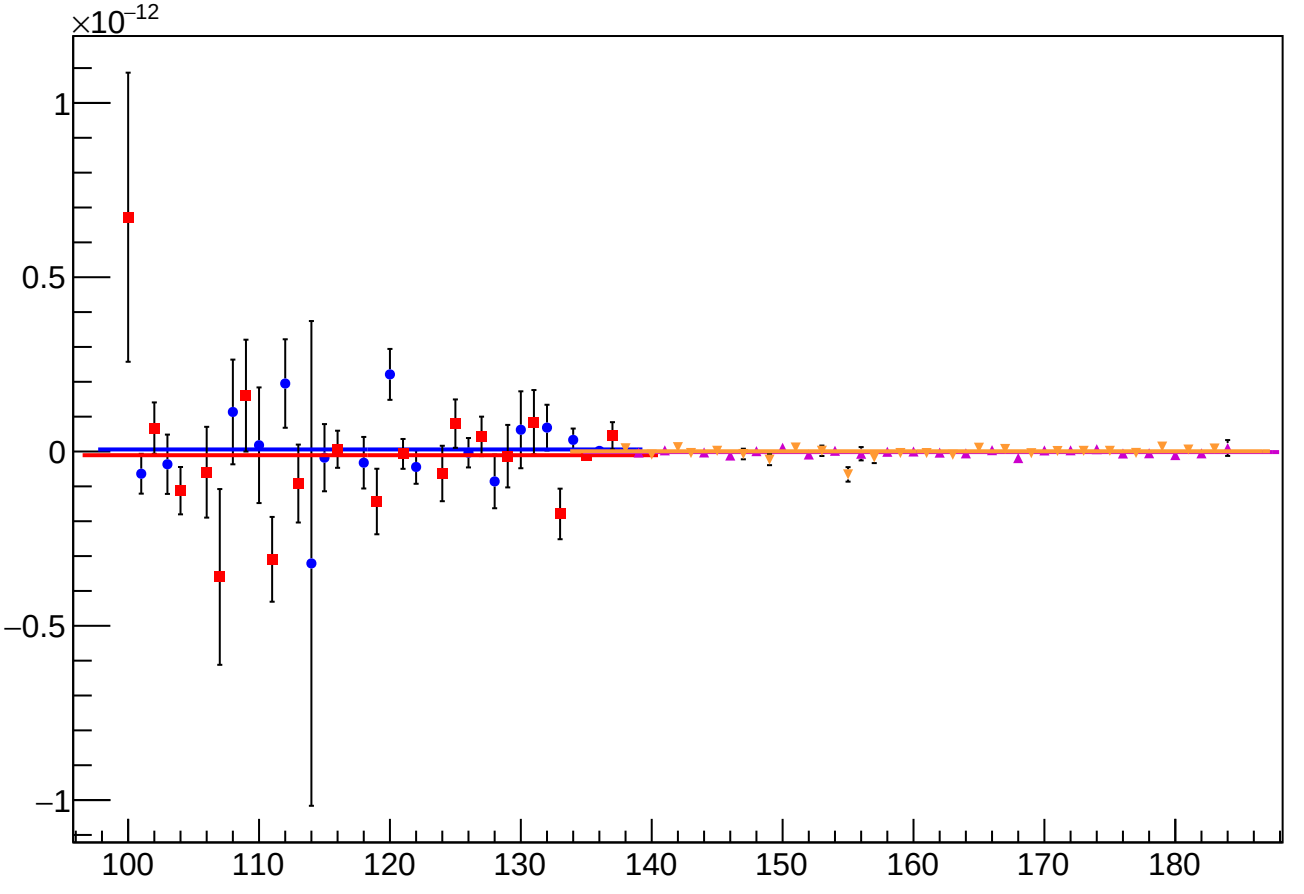
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 274.793+/-0.041 χ^2/NDF: 7346025.7/39

All: 273.964+/-0.029 χ^2/NDF: 15400555.1/81

- sign 273.112+/-0.042 χ^2/NDF: 8053700.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/23

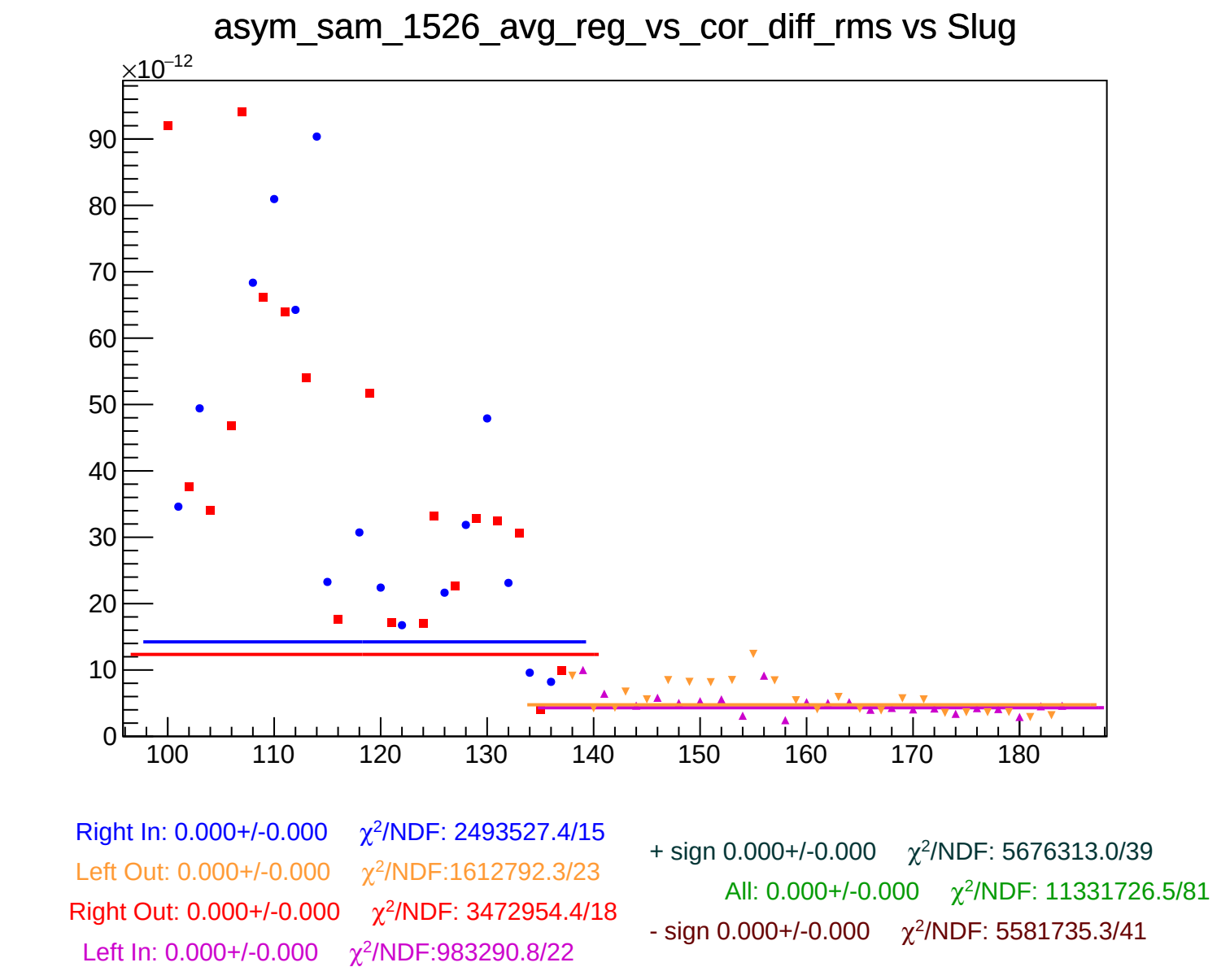
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

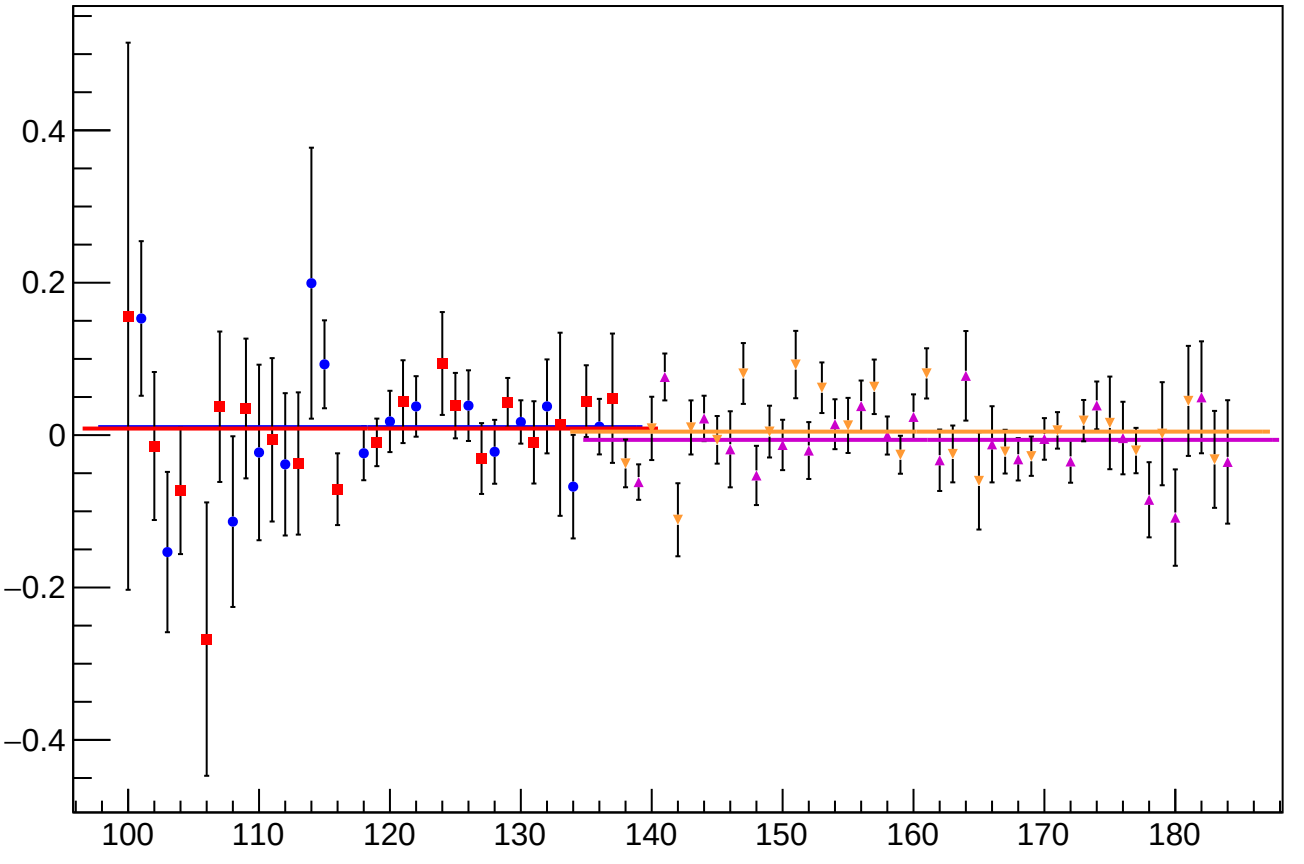
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/39

All: -0.000+/-0.000 χ^2/NDF: 89.0/81

- sign -0.000+/-0.000 χ^2/NDF: 44.1/41


asym_sam_1526_avg_reg_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: 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:983290.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5676313.0/39
All: 0.000+/-0.000 χ²/NDF: 11331726.5/81
- sign 0.000+/-0.000 χ²/NDF: 5581735.3/41



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

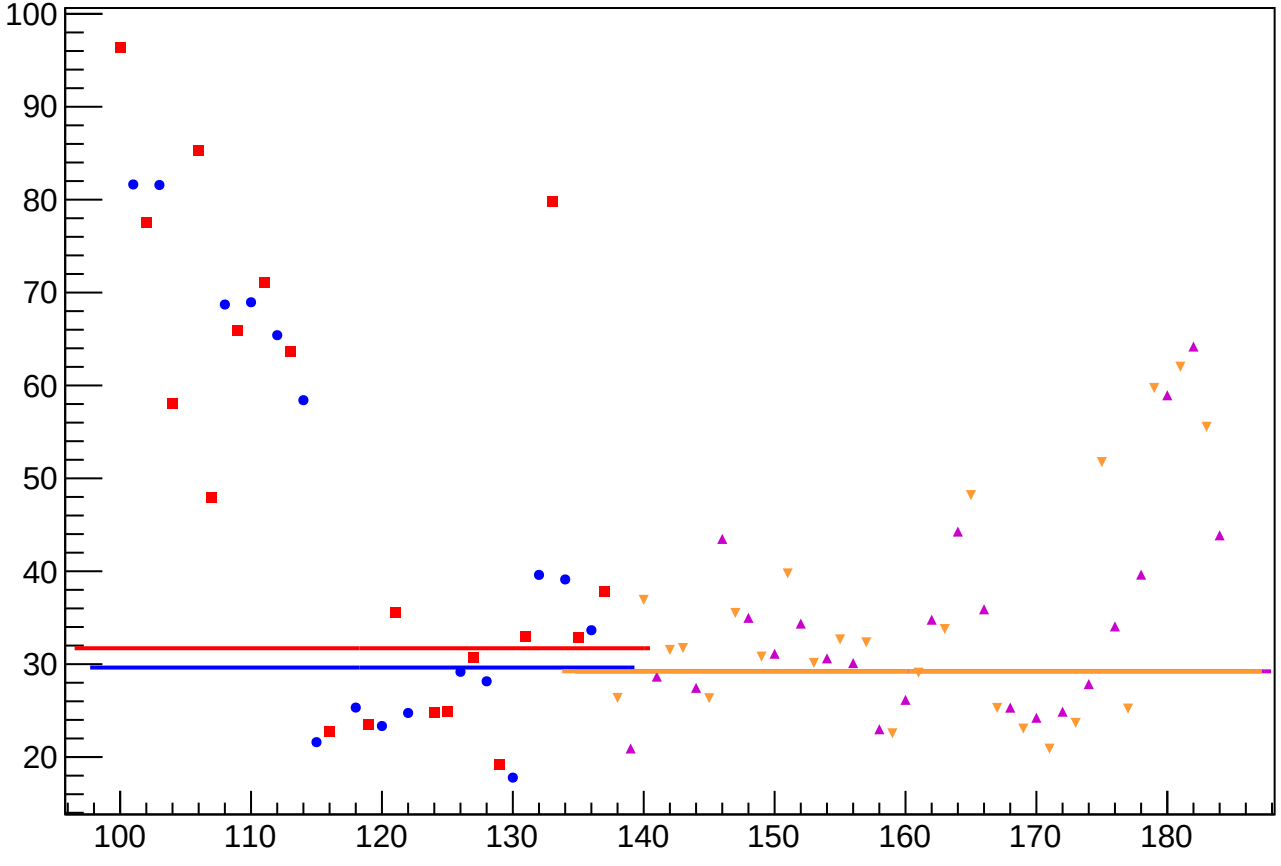
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.0/39

All: 0.002+/-0.004 χ^2/NDF: 92.4/81

- sign -0.003+/-0.006 χ^2/NDF: 44.4/41

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618791.9/23

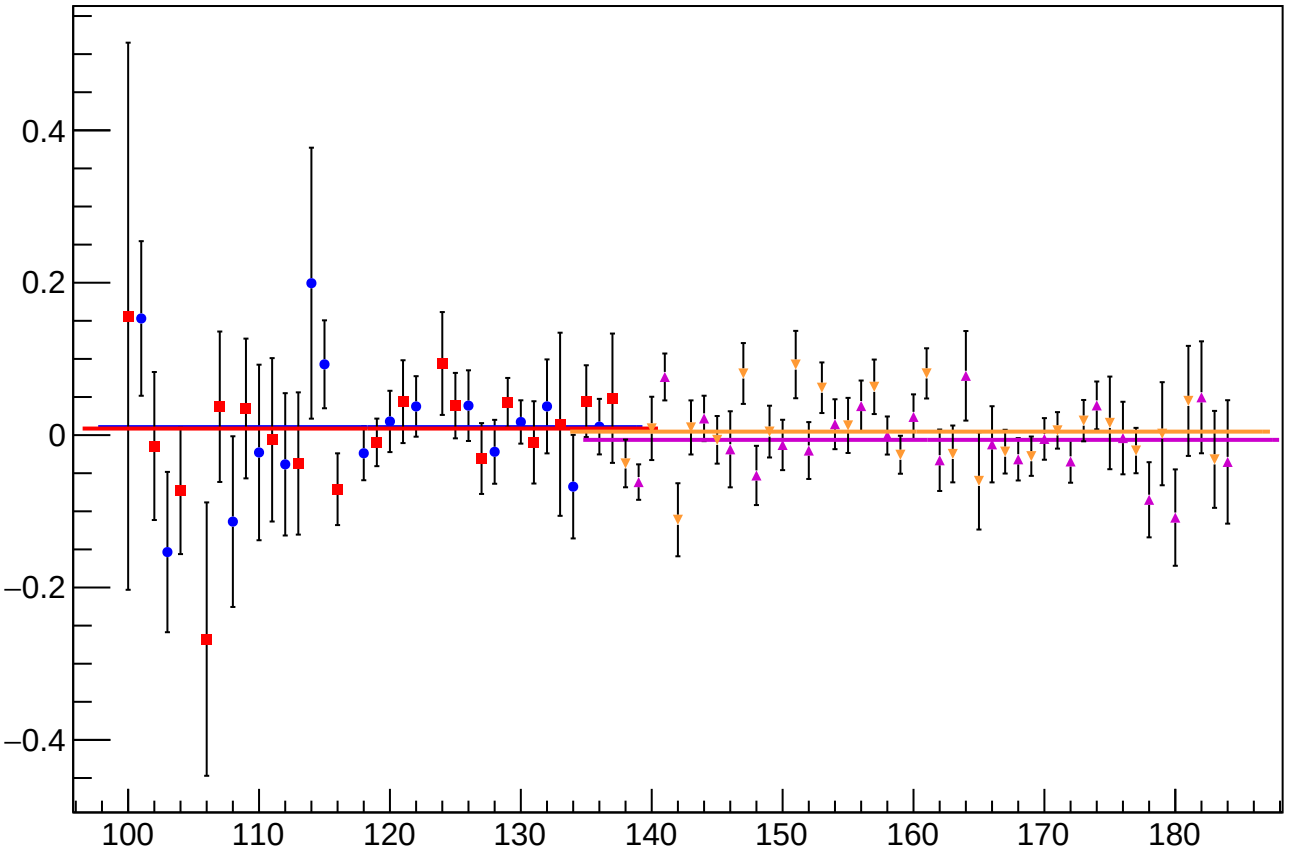
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.332+/-0.004 χ^2/NDF: 5068800.1/39

All: 29.560+/-0.003 χ^2/NDF: 9877708.8/81

- sign 29.801+/-0.005 χ^2/NDF: 4803324.4/41



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

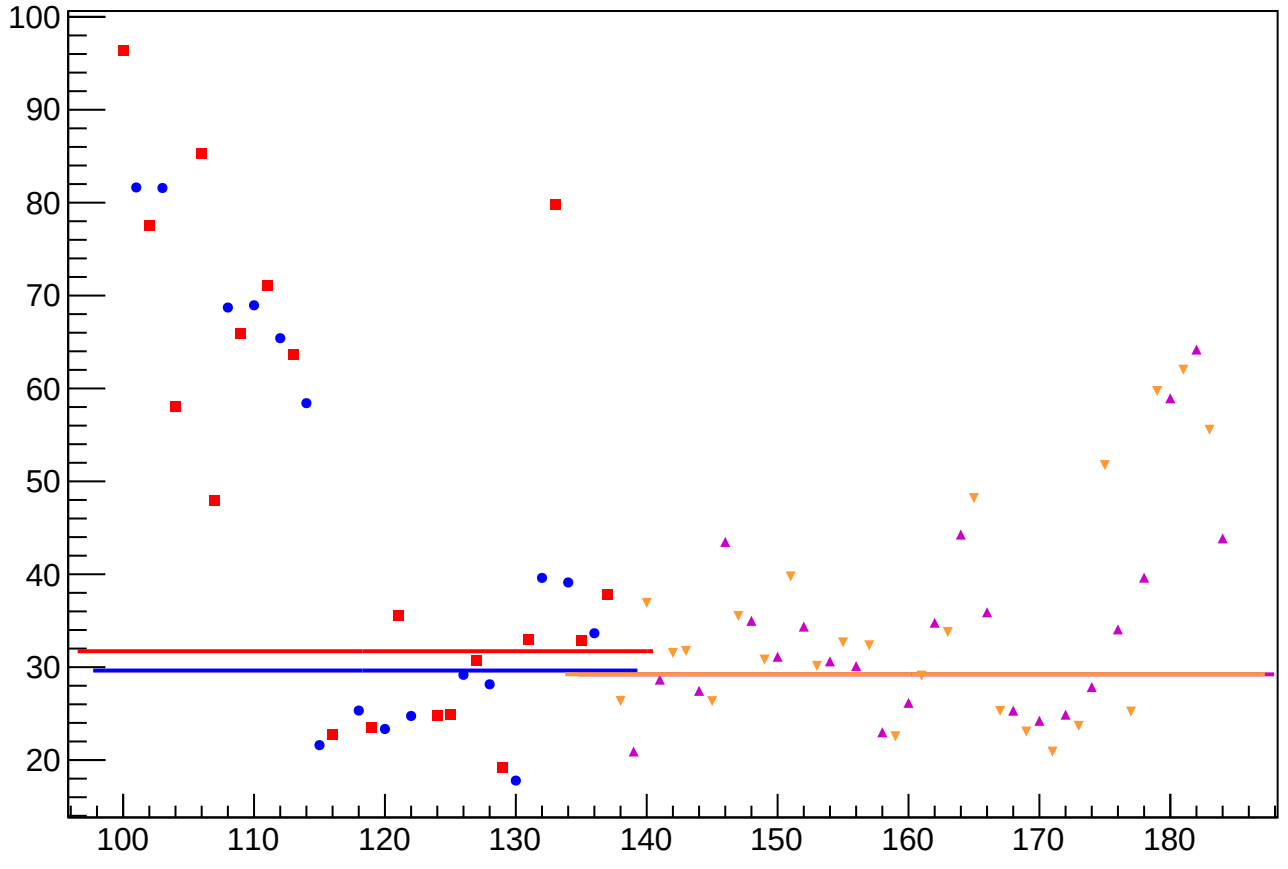
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.0/39

All: 0.002+/-0.004 χ^2/NDF: 92.4/81

- sign -0.003+/-0.006 χ^2/NDF: 44.4/41



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618791.9/23

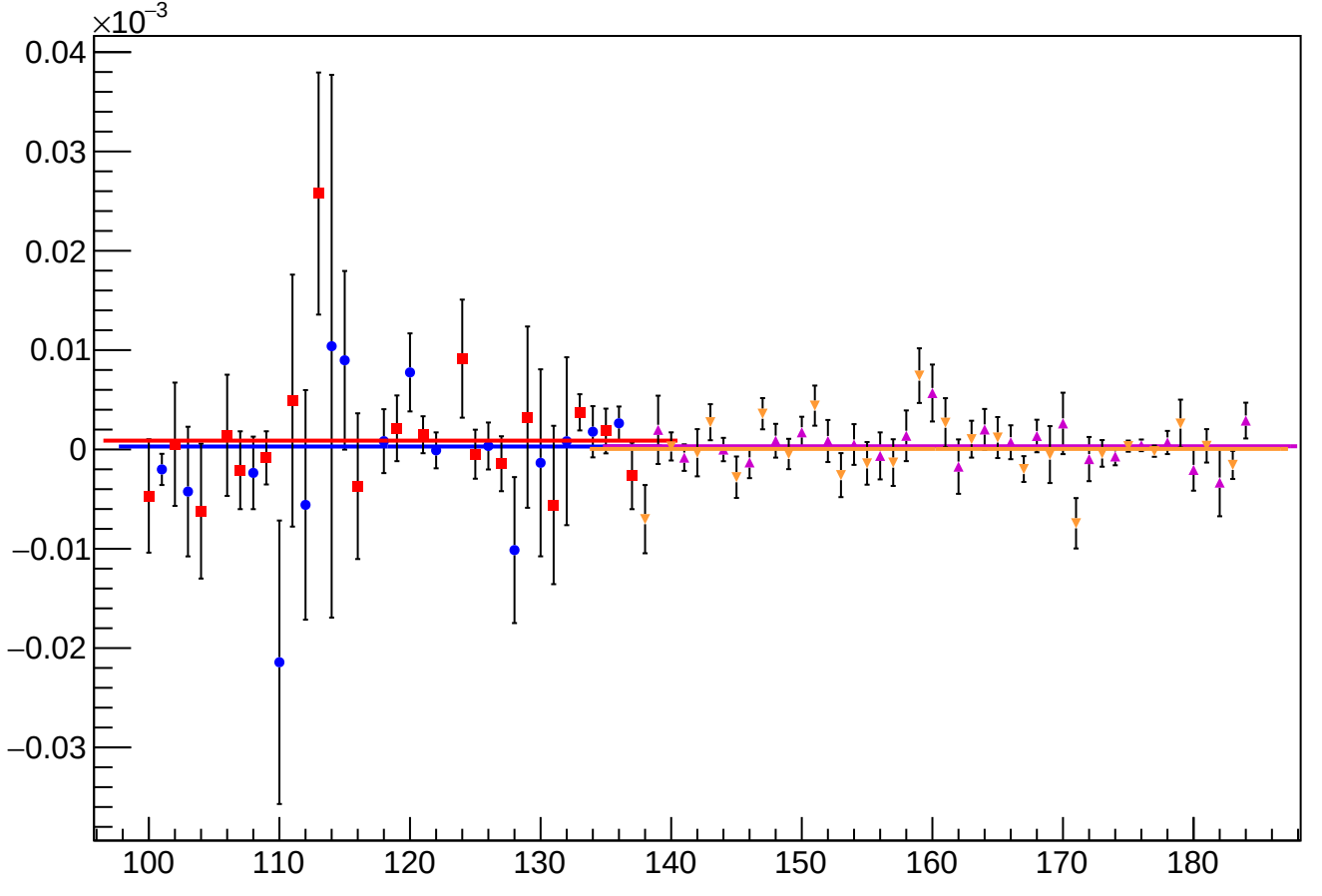
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.332+/-0.004 χ^2/NDF: 5068800.1/39

All: 29.560+/-0.003 χ^2/NDF: 9877708.8/81

\- sign 29.801+/-0.005 χ^2/NDF: 4803324.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/23

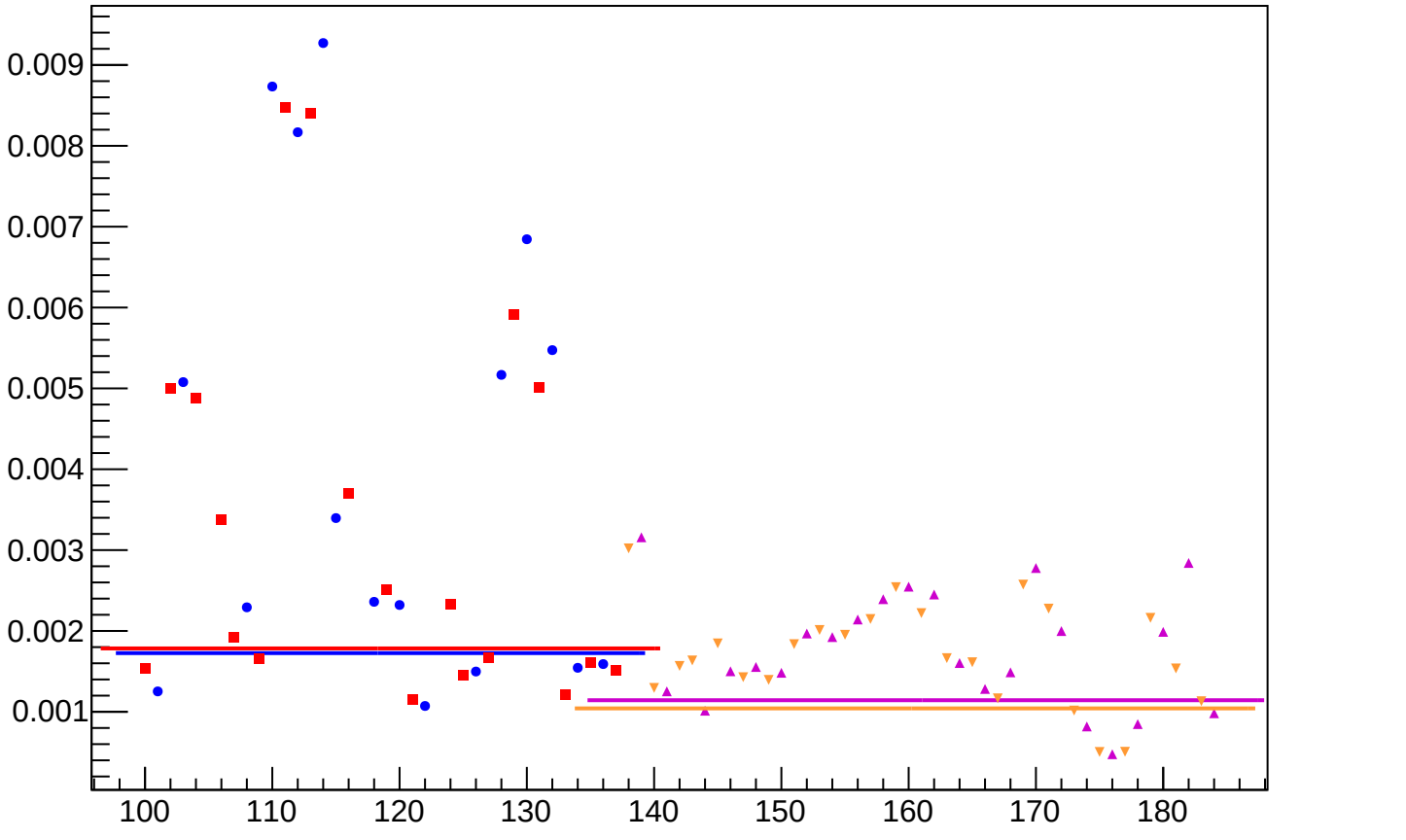
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.4/39

All: 0.000+/-0.000 χ^2/NDF: 90.3/81

- sign 0.000+/-0.000 χ^2/NDF: 31.3/41



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9823816.2/23

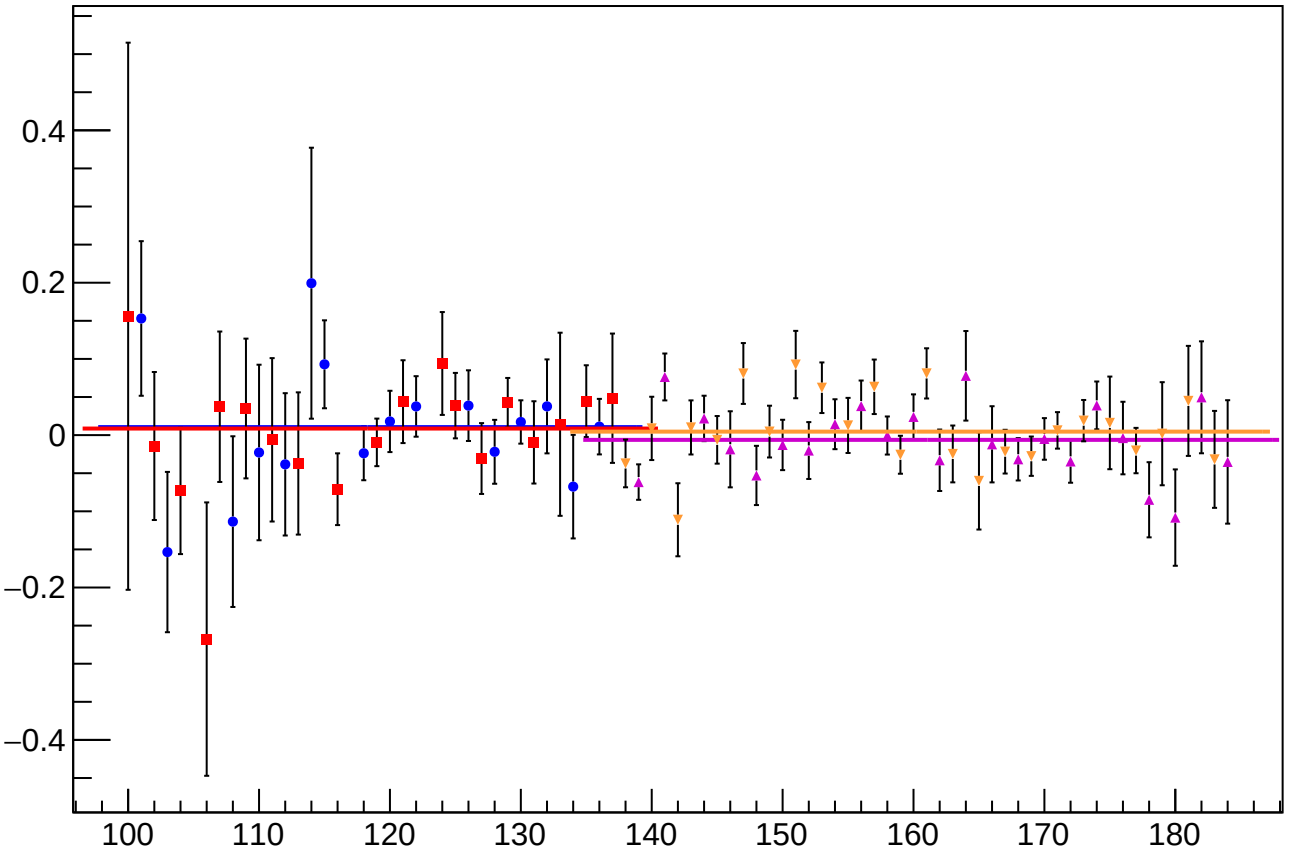
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

\+ sign 0.001+/-0.000 χ^2/NDF: 15173849.8/39

All: 0.001+/-0.000 χ^2/NDF: 28508911.2/81

\- sign 0.001+/-0.000 χ^2/NDF: 13185111.3/41



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

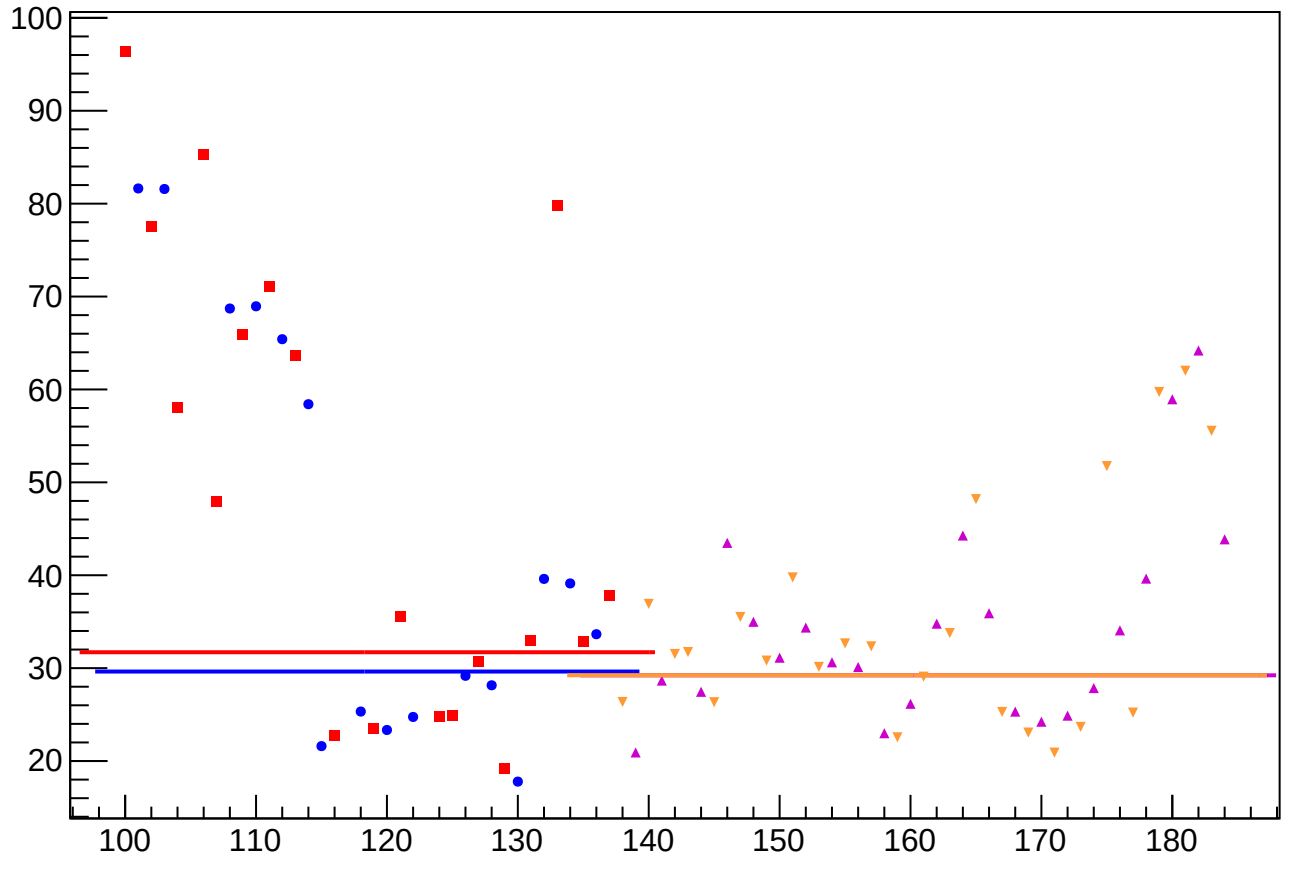
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.0/39

All: 0.002+/-0.004 χ^2/NDF: 92.4/81

- sign -0.003+/-0.006 χ^2/NDF: 44.4/41



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618831.2/23

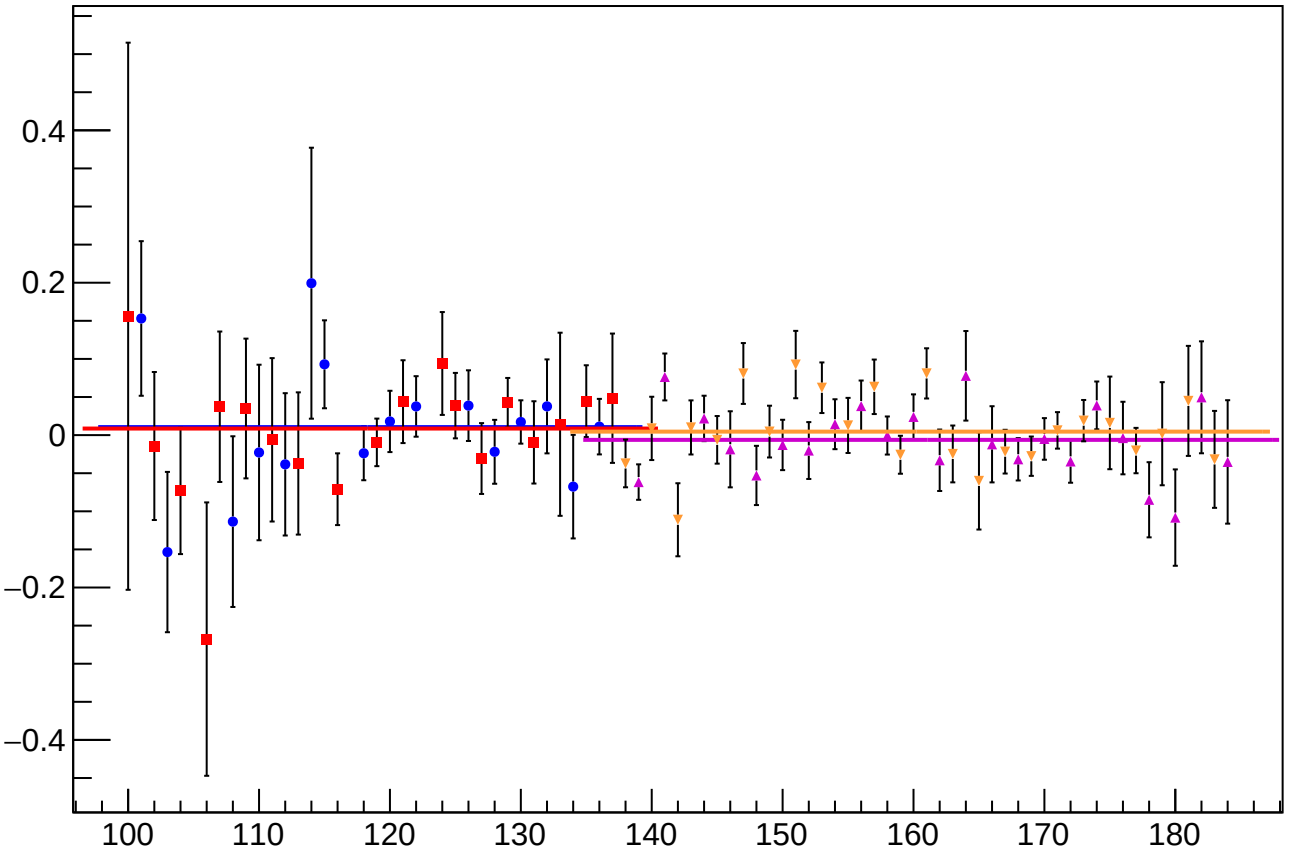
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.331+/-0.004 χ^2/NDF: 5069031.2/39

All: 29.560+/-0.003 χ^2/NDF: 9878006.8/81

- sign 29.801+/-0.005 χ^2/NDF: 4803386.2/41



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.7/23

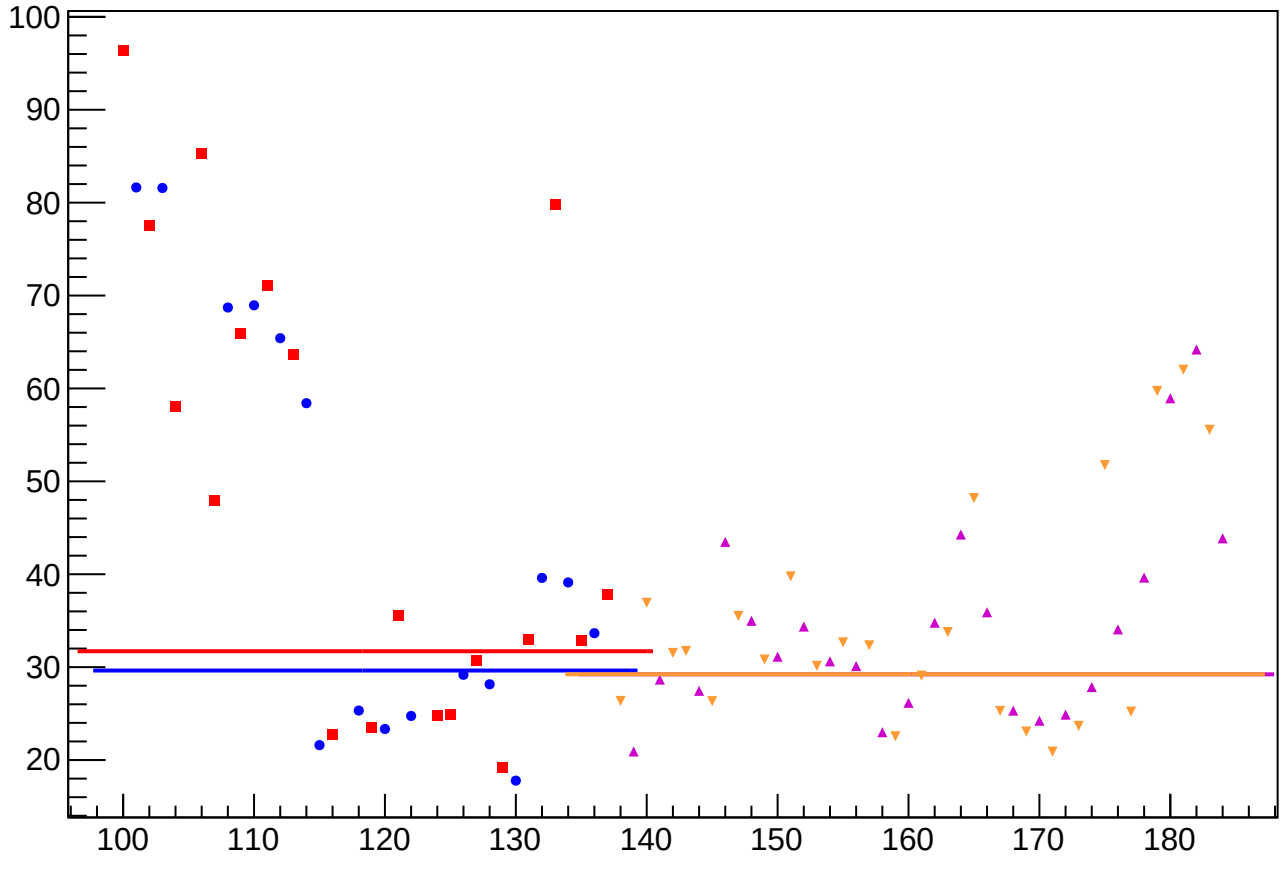
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.0/39

All: 0.002+/-0.004 χ^2/NDF: 92.4/81

- sign -0.003+/-0.006 χ^2/NDF: 44.4/41



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.234+/-0.005 χ^2/NDF:2618831.2/23

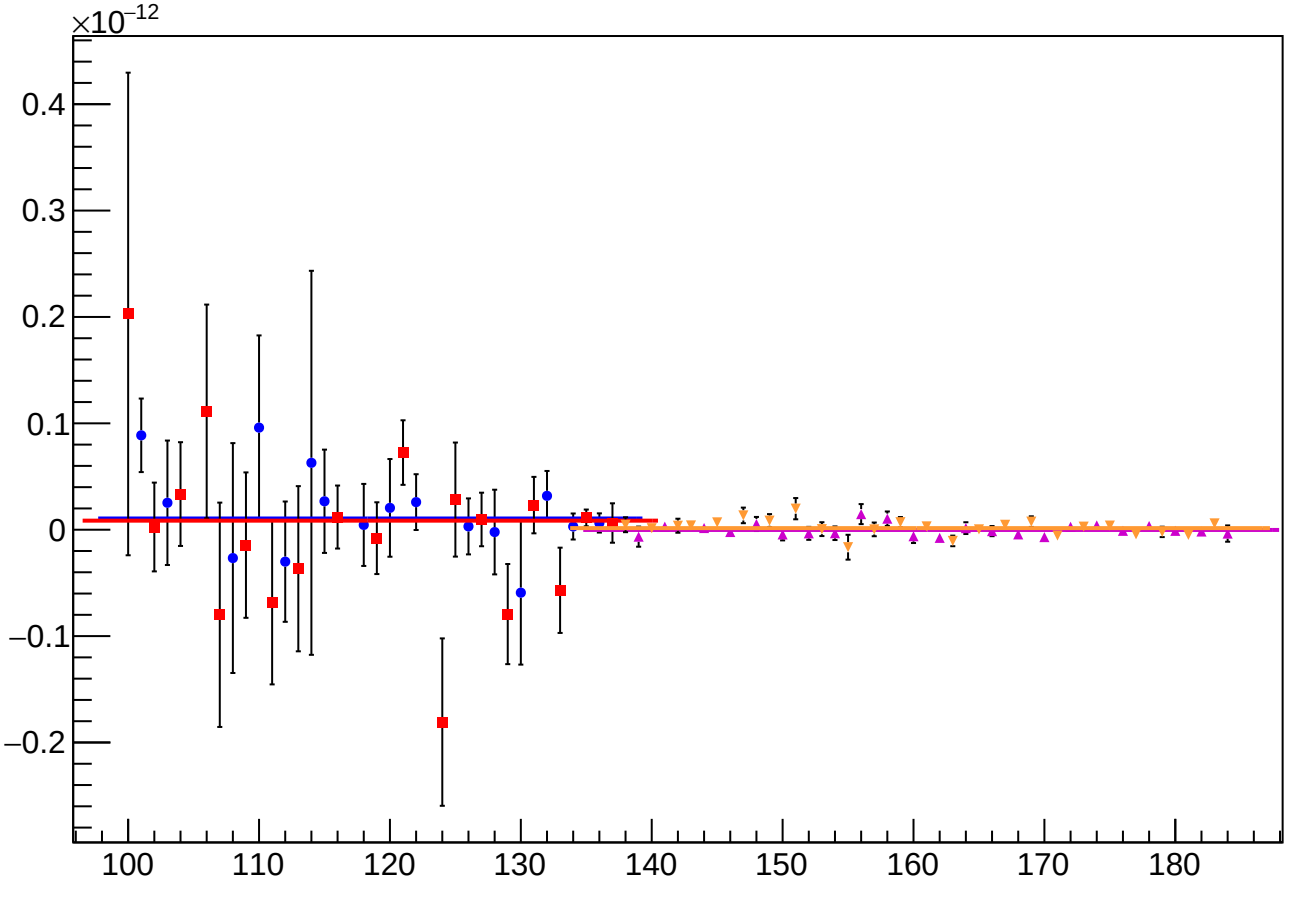
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

\+ sign 29.331+/-0.004 χ^2/NDF: 5069031.2/39

All: 29.560+/-0.003 χ^2/NDF: 9878006.8/81

\- sign 29.801+/-0.005 χ^2/NDF: 4803386.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/23

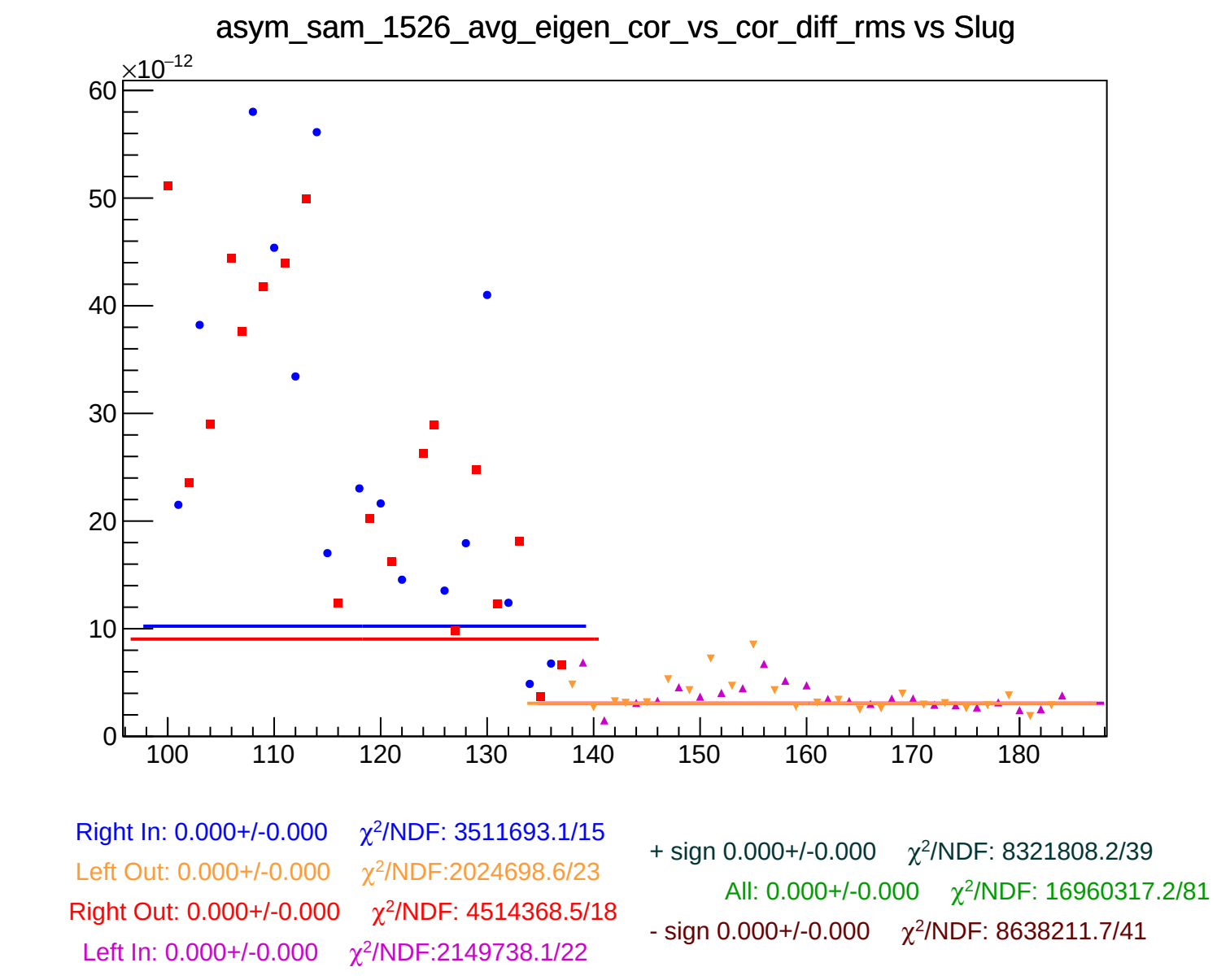
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.9/39

All: 0.000+/-0.000 χ^2/NDF: 90.7/81

- sign 0.000+/-0.000 χ^2/NDF: 42.1/41


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
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120
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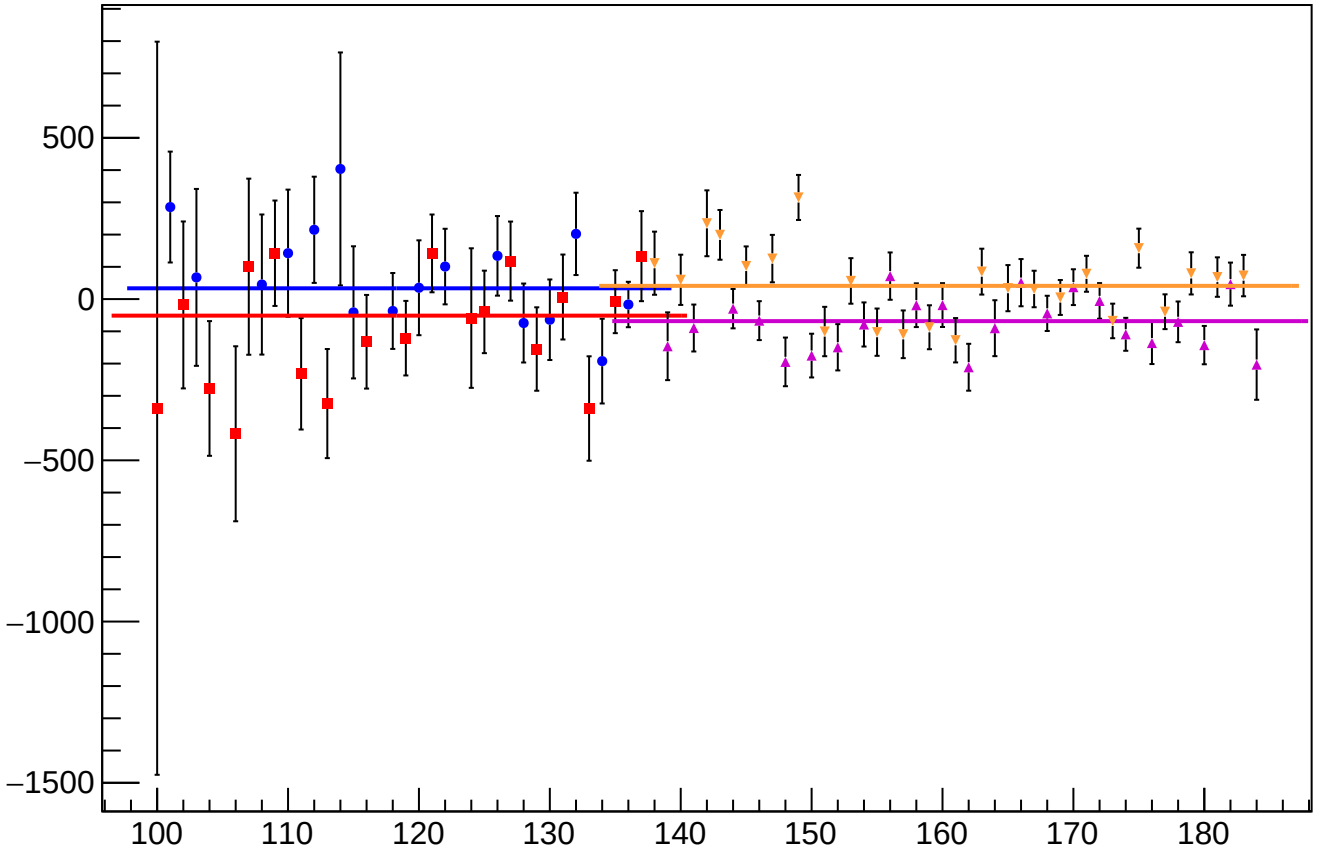
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2024698.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:2149738.1/22
+ sign 0.000+/-0.000 χ²/NDF: 8321808.2/39
All: 0.000+/-0.000 χ²/NDF: 16960317.2/81
- sign 0.000+/-0.000 χ²/NDF: 8638211.7/41

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

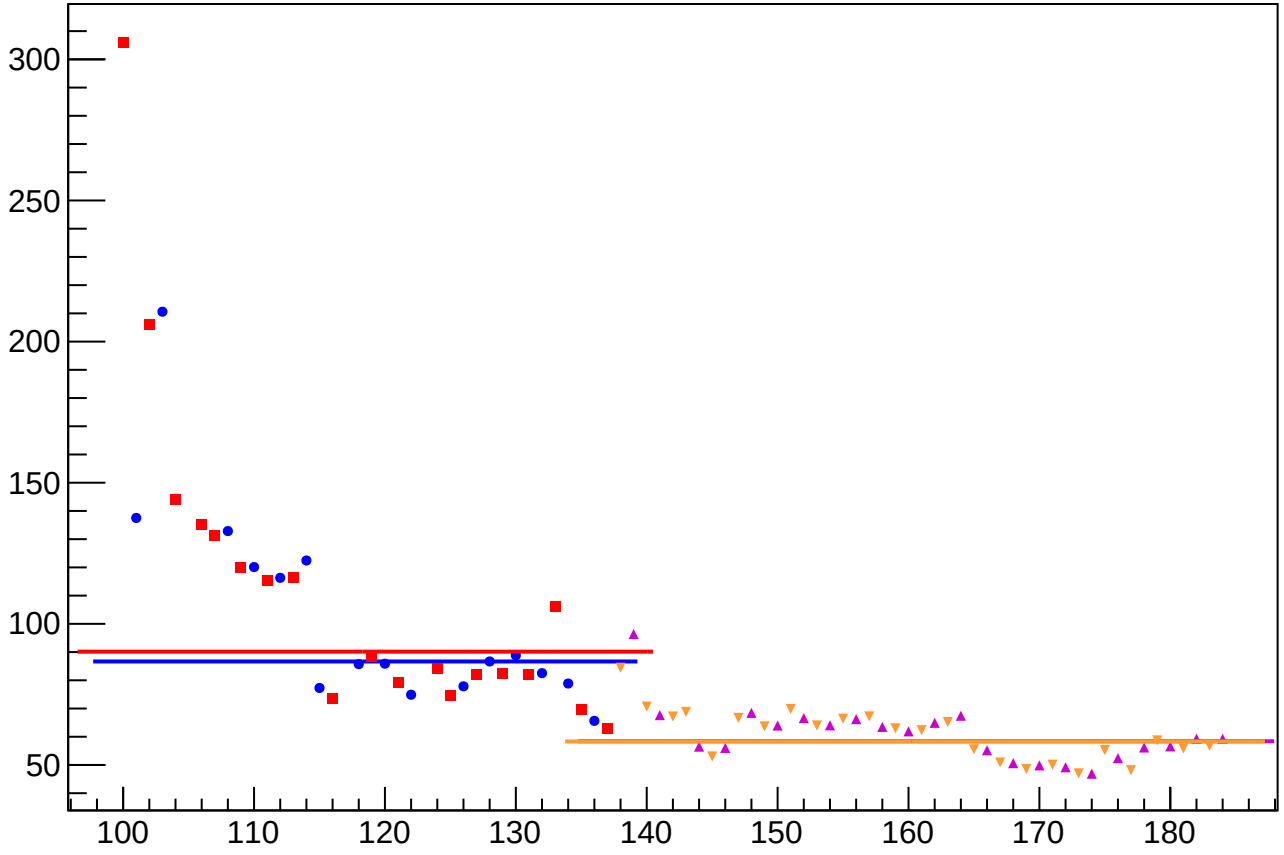
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 39.977+/-12.591 χ^2/NDF: 72.2/39

All: -11.802+/-9.005 χ^2/NDF: 158.3/81

- sign -66.020+/-12.884 χ^2/NDF: 51.5/41

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

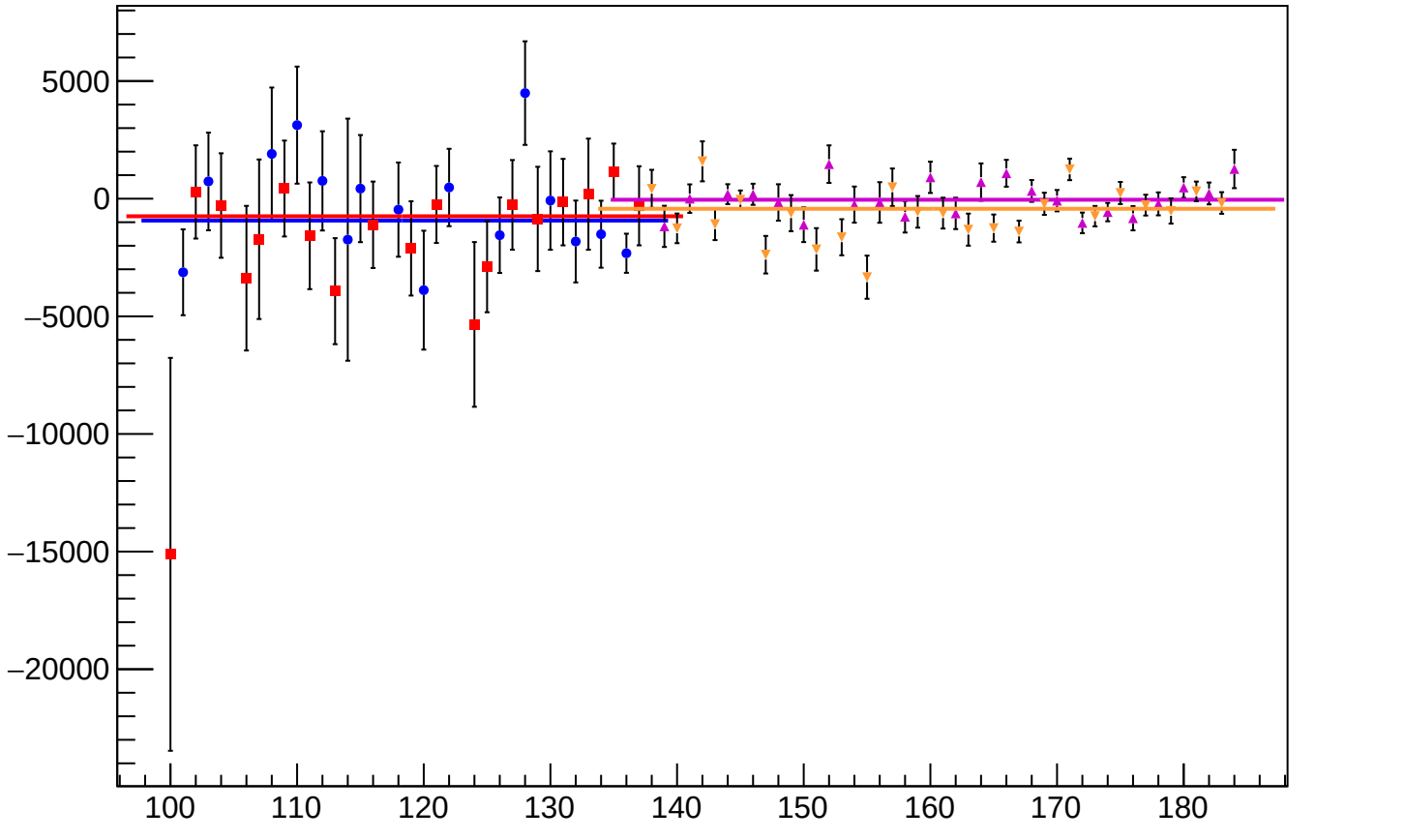
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.234+/-0.009 χ^2/NDF: 3004753.0/39

All: 62.479+/-0.006 χ^2/NDF: 6325124.3/81

- sign 62.737+/-0.009 χ^2/NDF: 3318811.1/41



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

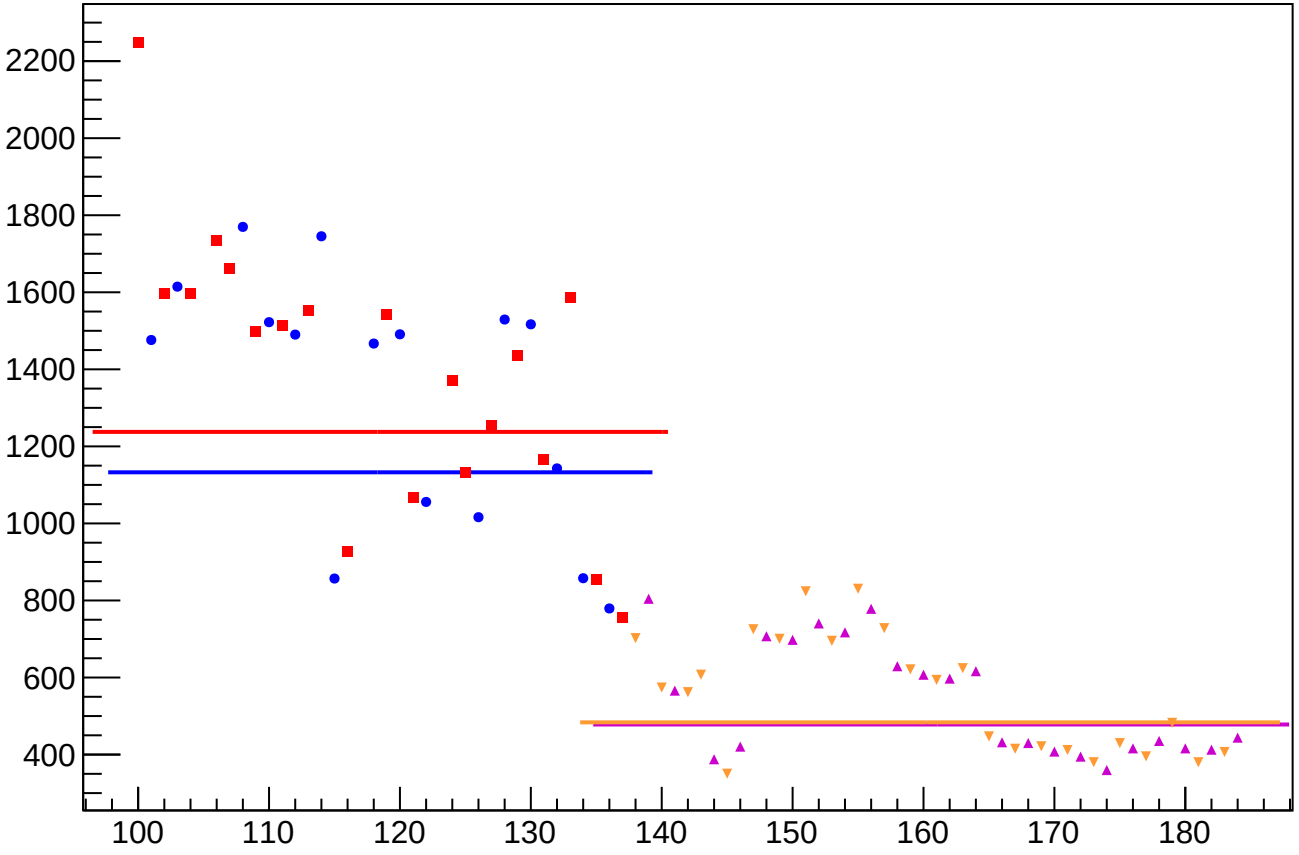
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -460.204+/-111.289 χ^2/NDF: 81.6/39

All: -274.597+/-79.075 χ^2/NDF: 133.4/81

- sign -85.345+/-112.377 χ^2/NDF: 46.2/41

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

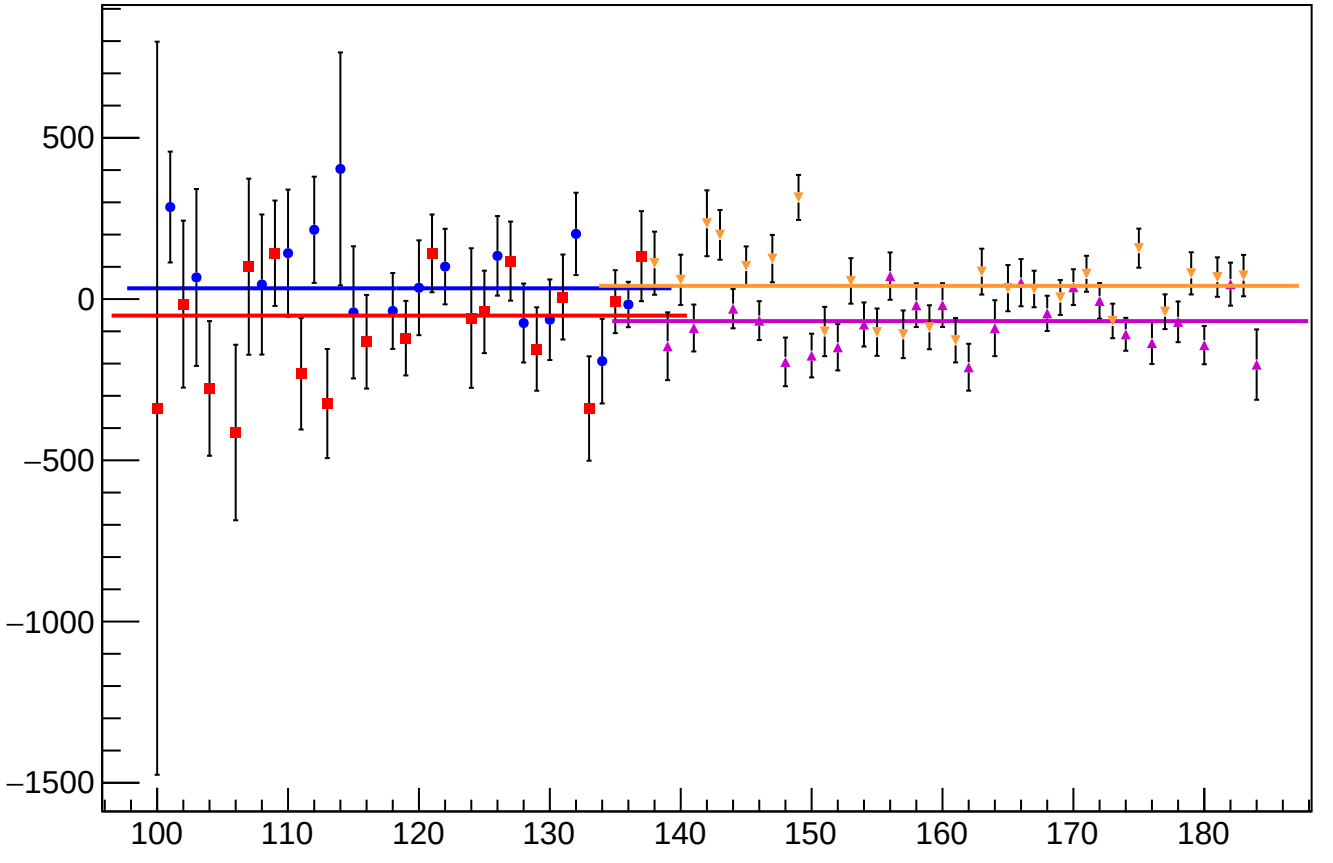
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 525.007+/-0.079 χ^2/NDF: 7695260.3/39

All: 523.465+/-0.056 χ^2/NDF: 15772577.6/81

- sign 521.894+/-0.079 χ^2/NDF: 8076542.3/41

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

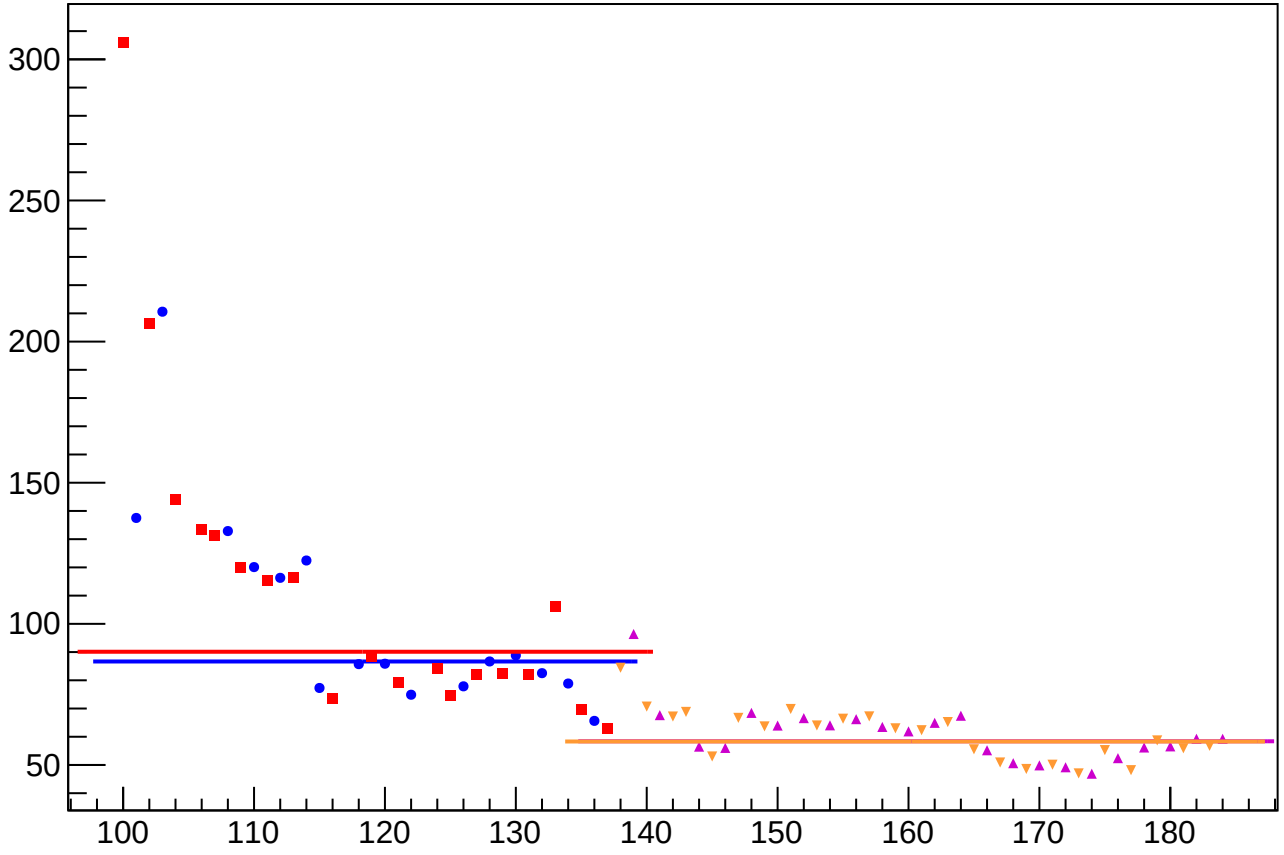
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.978+/-12.591 χ^2/NDF: 72.2/39

All: -11.791+/-9.005 χ^2/NDF: 158.2/81

- sign -65.999+/-12.884 χ^2/NDF: 51.5/41

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

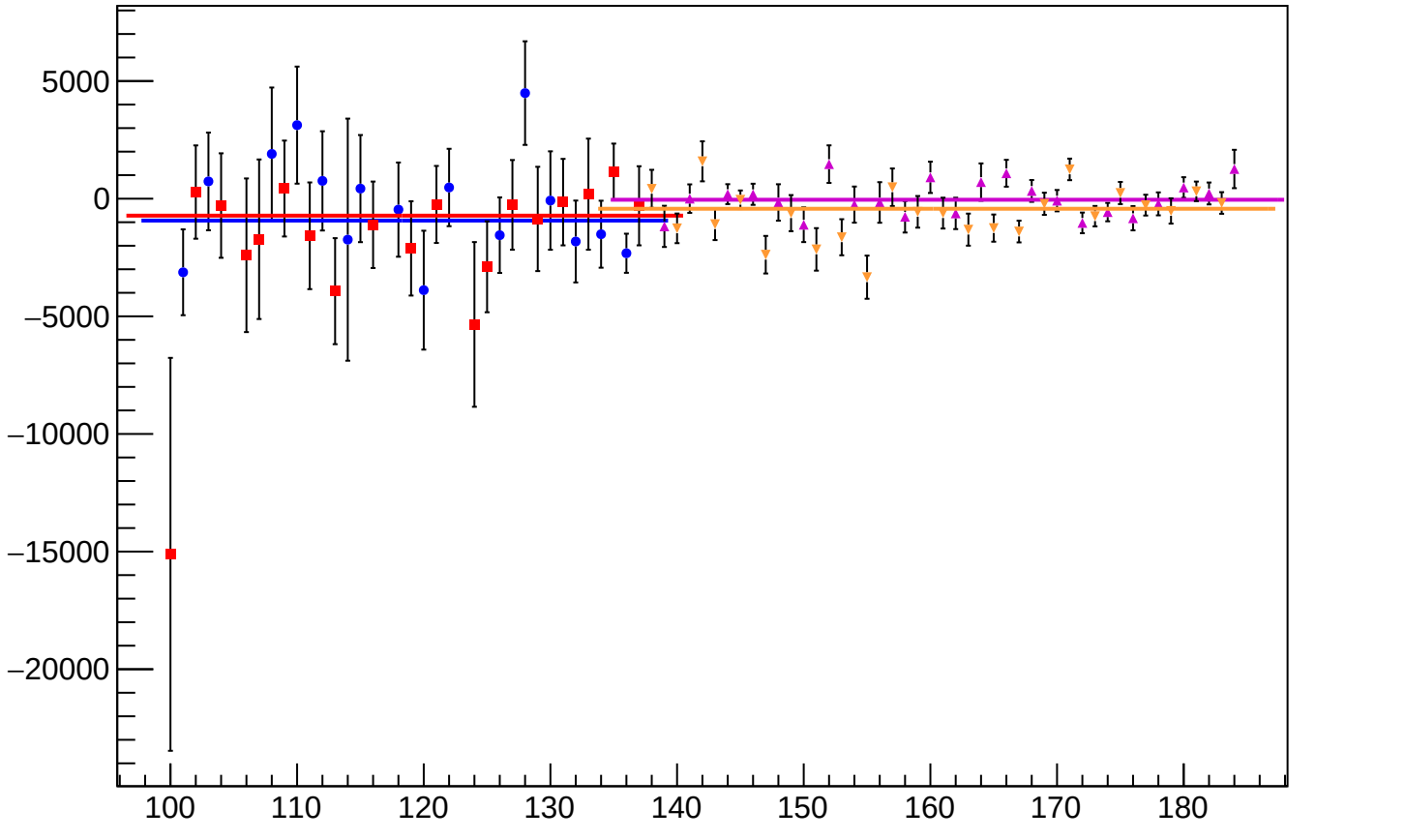
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.234+/-0.009 χ^2/NDF: 3004755.1/39

All: 62.477+/-0.006 χ^2/NDF: 6316901.4/81

- sign 62.731+/-0.009 χ^2/NDF: 3310620.1/41



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

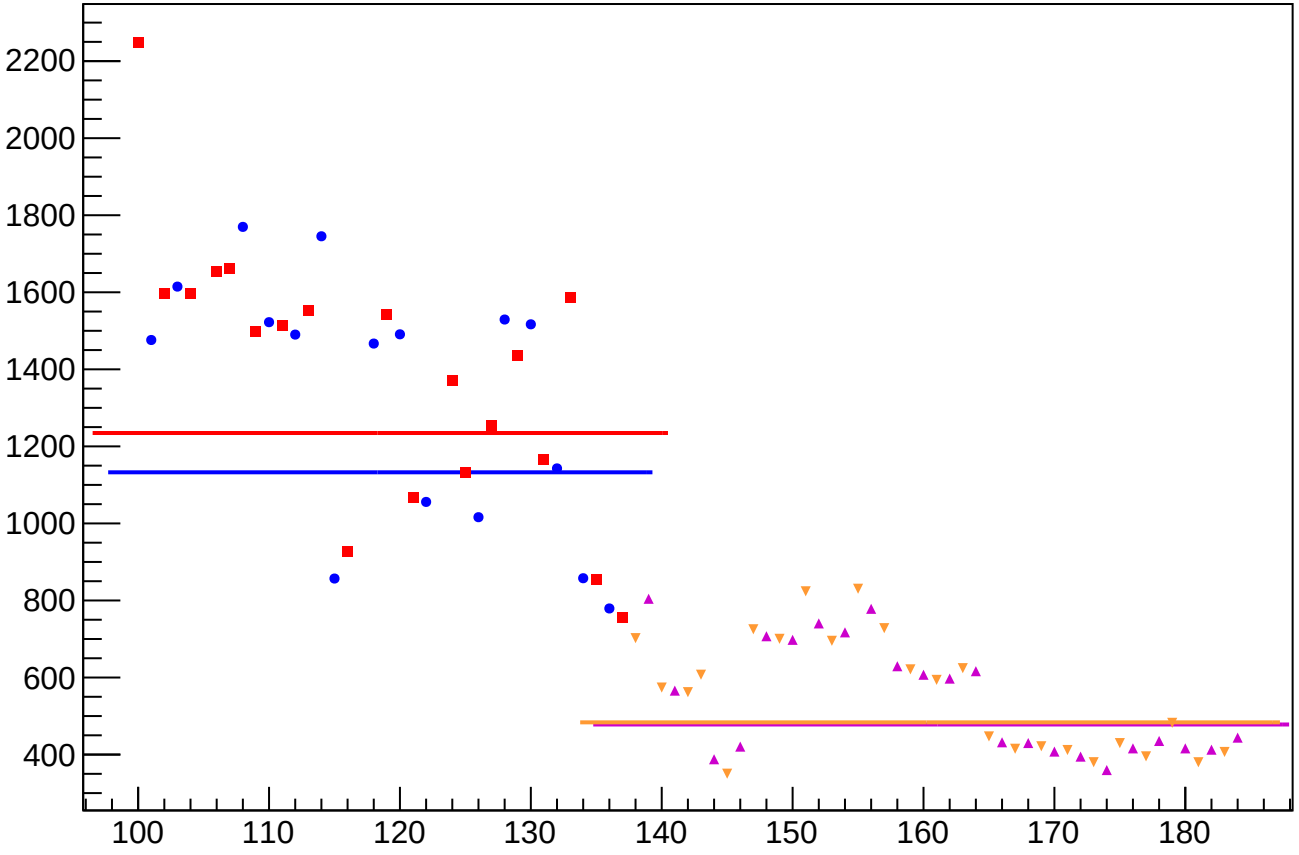
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -460.200+/-111.289 χ^2/NDF: 81.6/39

All: -273.801+/-79.078 χ^2/NDF: 132.8/81

- sign -83.710+/-112.385 χ^2/NDF: 45.5/41

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

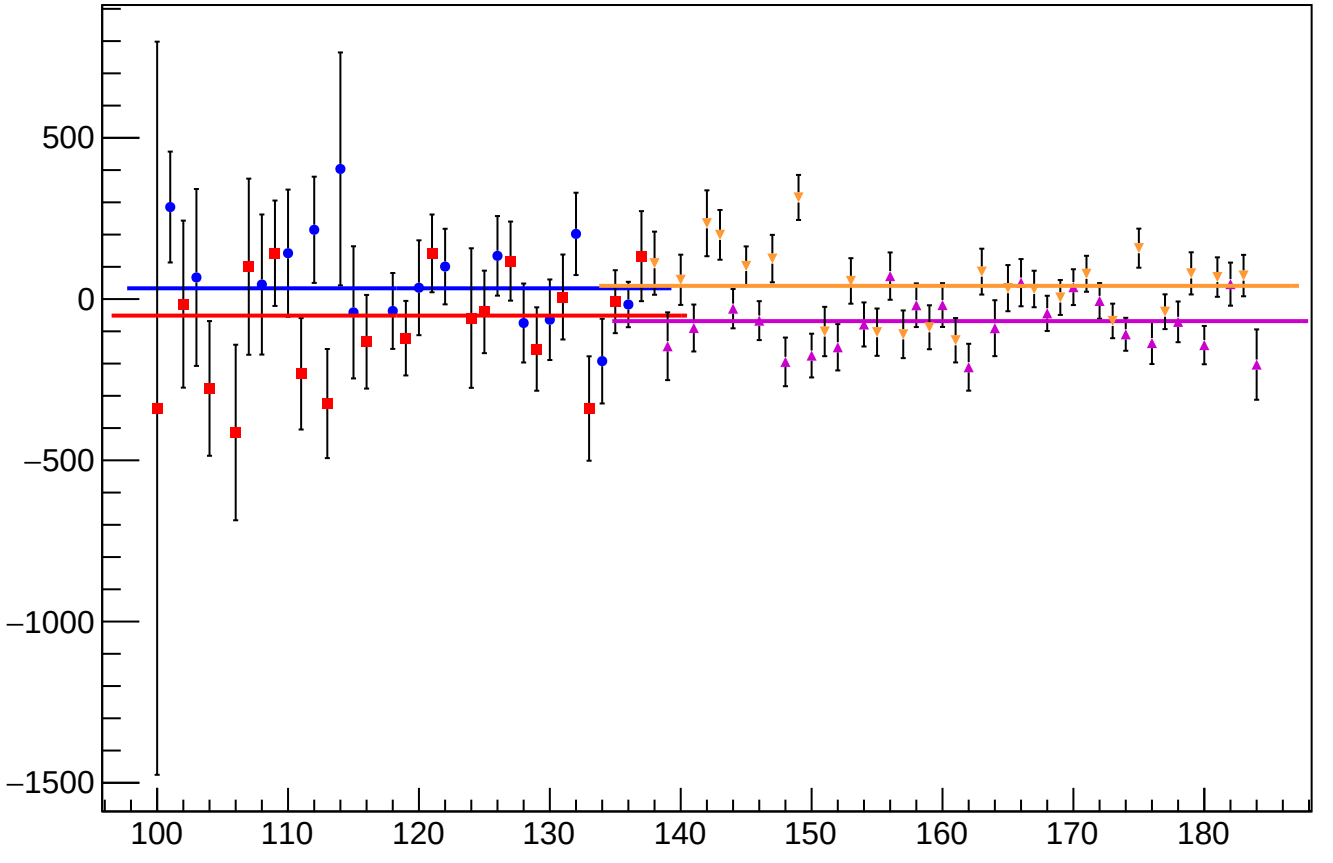
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 525.007+/-0.079 χ^2/NDF: 7695291.7/39

All: 523.328+/-0.056 χ^2/NDF: 15703457.9/81

- sign 521.616+/-0.079 χ^2/NDF: 8007246.9/41

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

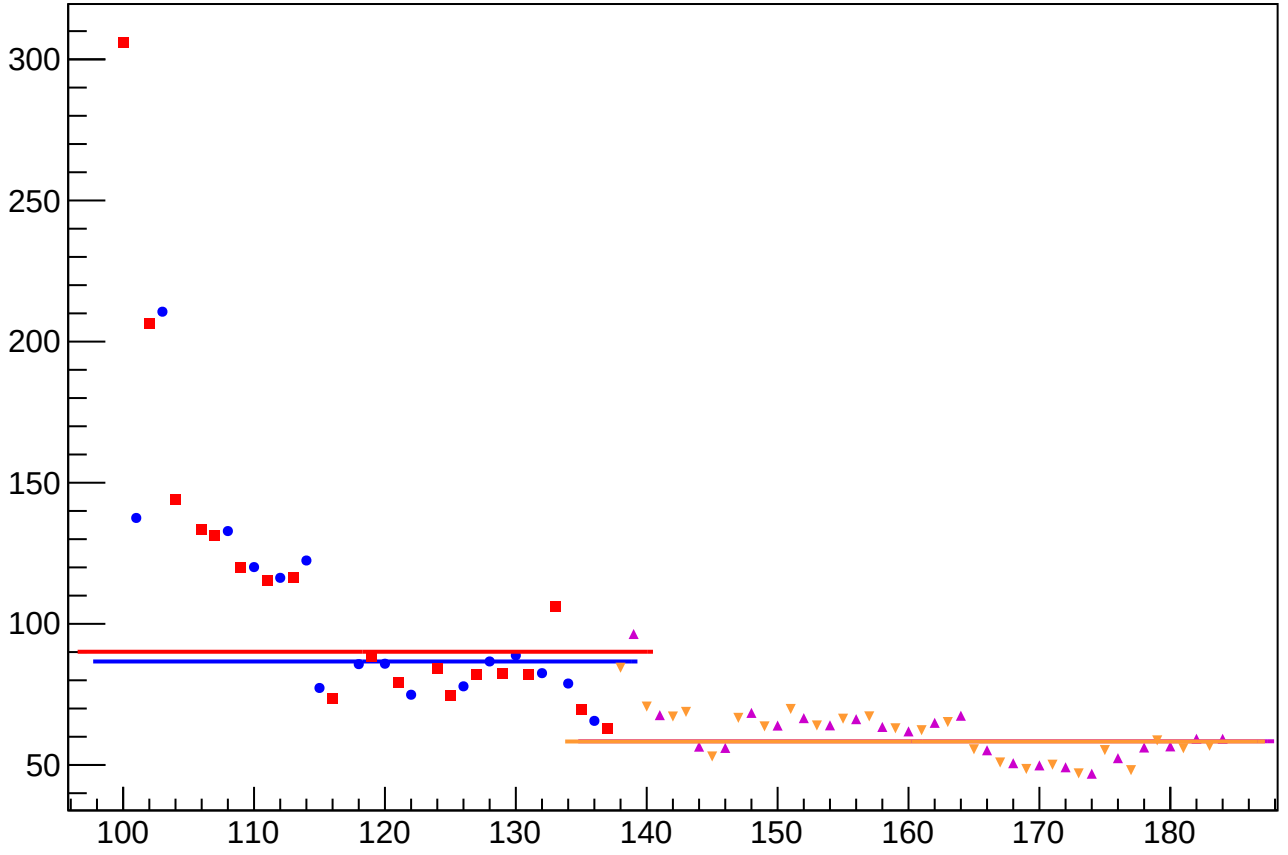
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.978+/-12.591 χ^2/NDF: 72.2/39

All: -11.791+/-9.005 χ^2/NDF: 158.2/81

- sign -65.999+/-12.884 χ^2/NDF: 51.5/41

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

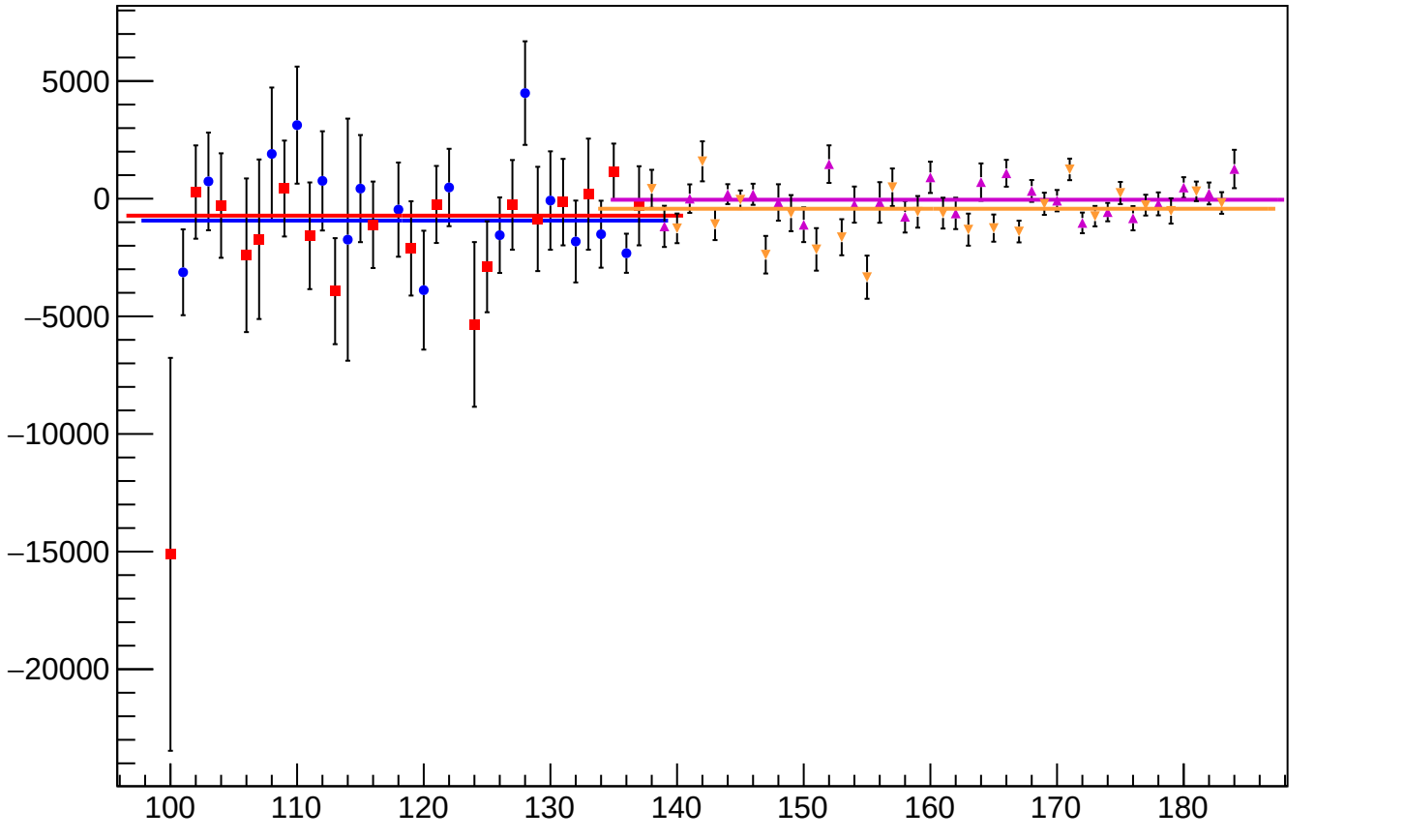
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.234+/-0.009 χ^2/NDF: 3004755.1/39

All: 62.477+/-0.006 χ^2/NDF: 6316901.4/81

- sign 62.731+/-0.009 χ^2/NDF: 3310620.1/41



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -428.244+/-115.013 χ^2/NDF:61.8/23

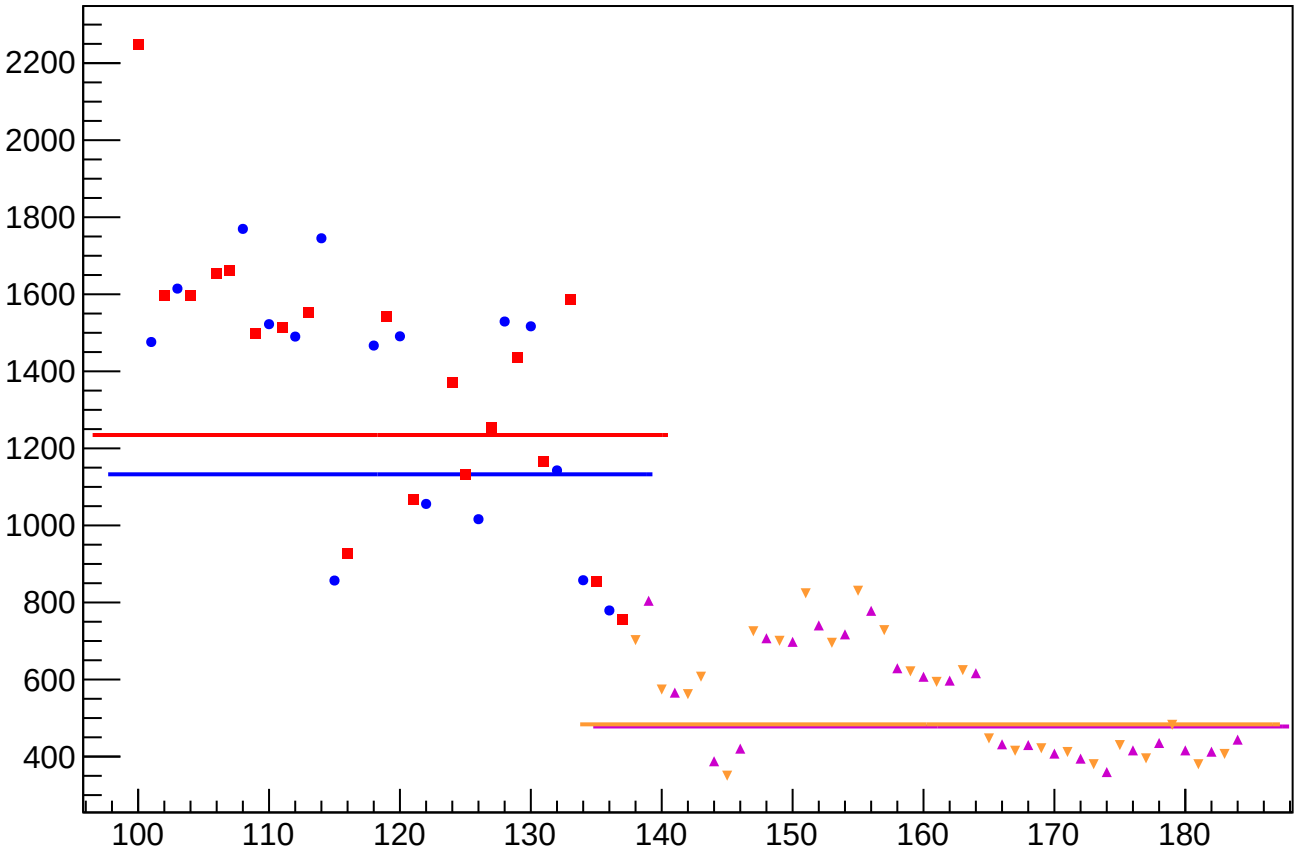
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -460.200+/-111.289 χ^2/NDF: 81.6/39

All: -273.801+/-79.078 χ^2/NDF: 132.8/81

- sign -83.710+/-112.385 χ^2/NDF: 45.5/41



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

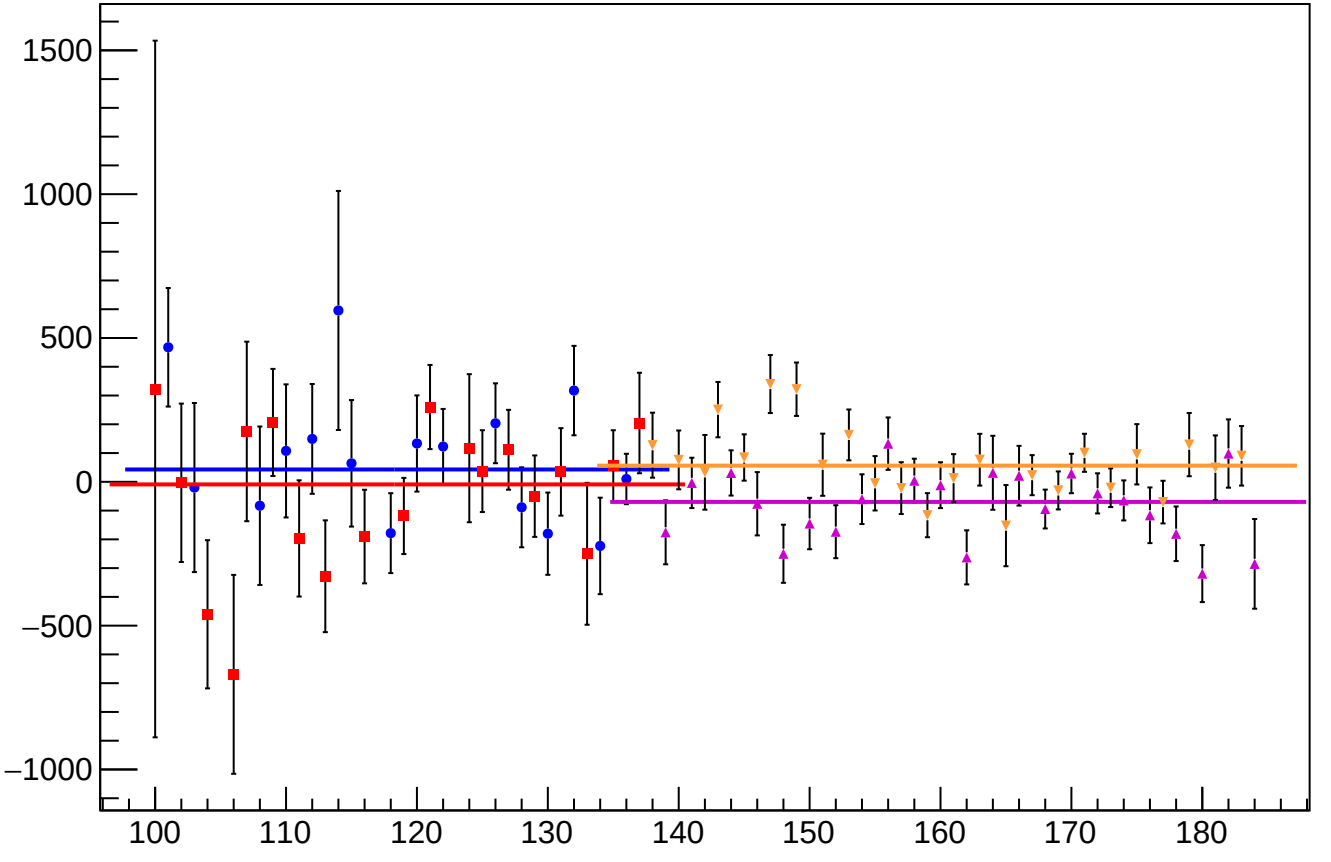
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 525.007+/-0.079 χ^2/NDF: 7695291.7/39

All: 523.328+/-0.056 χ^2/NDF: 15703457.9/81

- sign 521.616+/-0.079 χ^2/NDF: 8007246.9/41

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

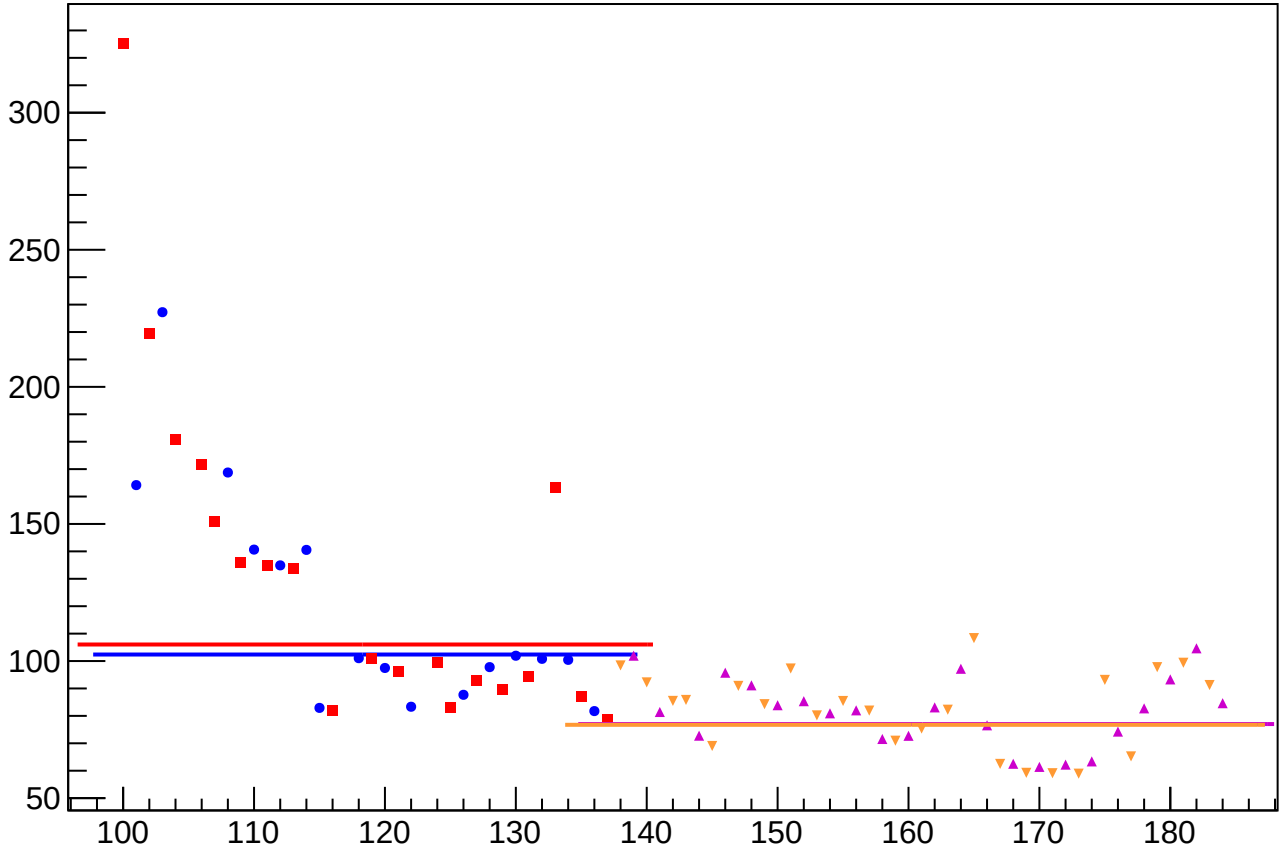
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 54.000+/-16.470 χ^2/NDF: 58.7/39

All: -1.444+/-11.783 χ^2/NDF: 139.6/81

- sign -59.577+/-16.864 χ^2/NDF: 57.7/41

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

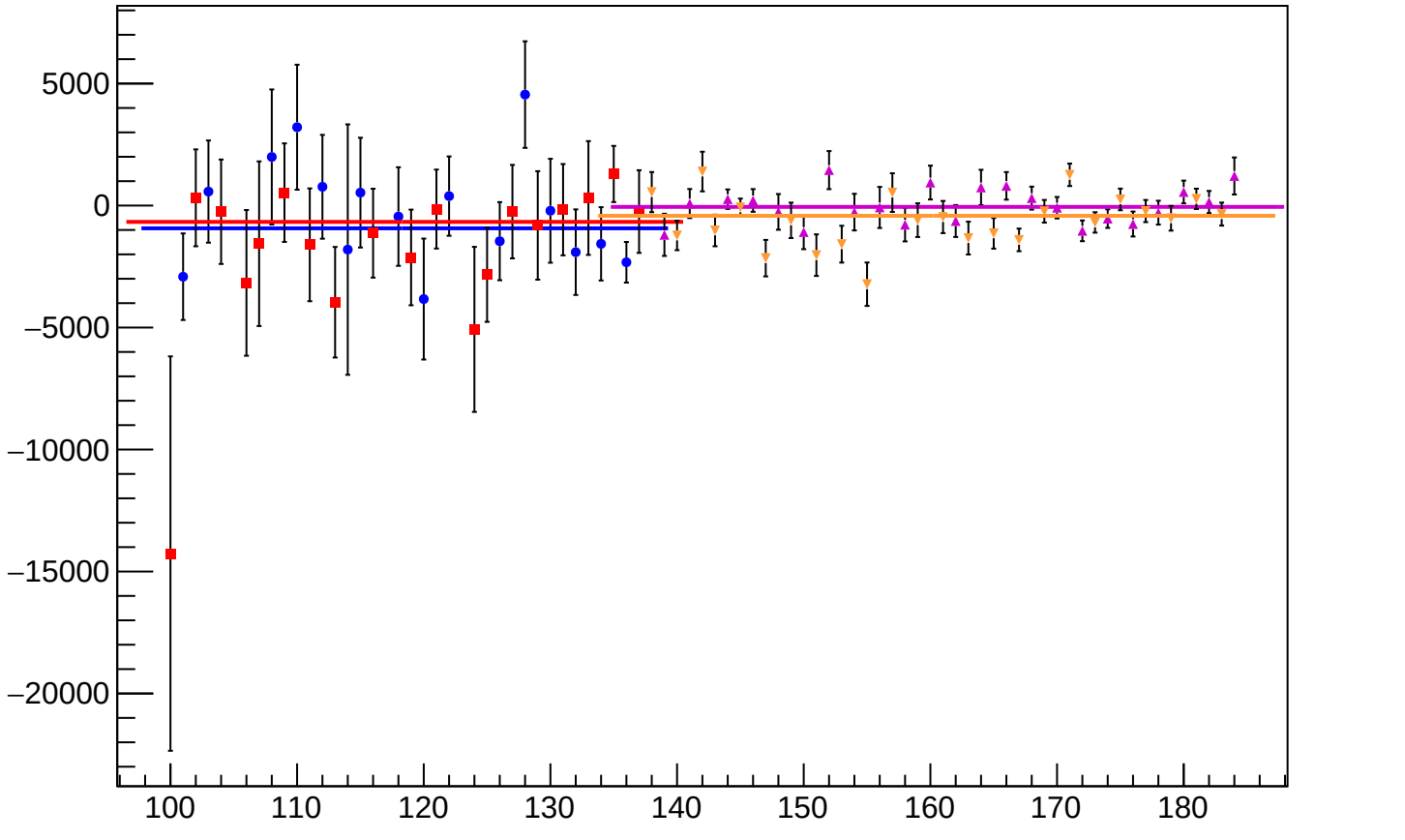
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 81.101+/-0.012 χ^2/NDF: 2900507.4/39

All: 81.497+/-0.008 χ^2/NDF: 5783248.1/81

- sign 81.913+/-0.012 χ^2/NDF: 2880370.7/41



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

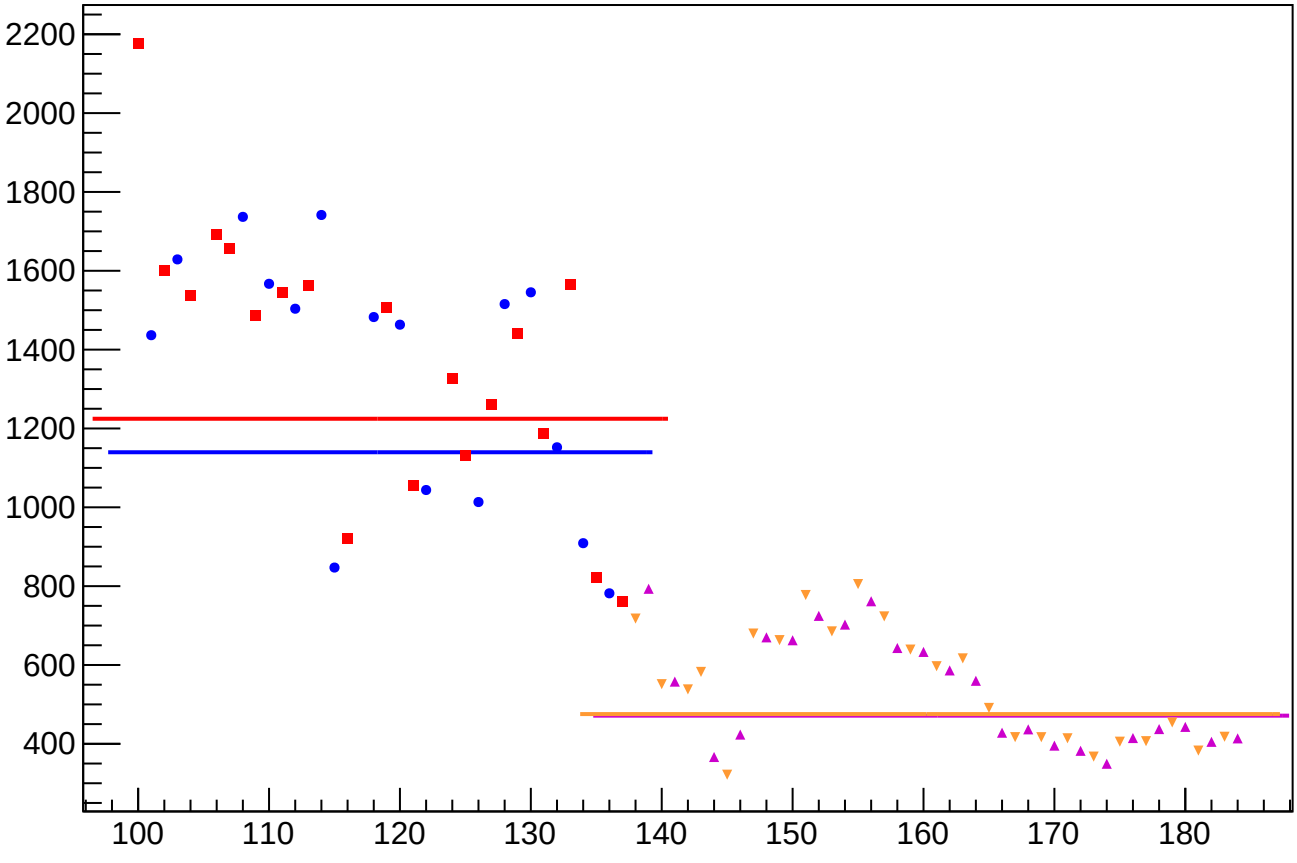
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -450.273+/-109.349 χ^2/NDF: 79.5/39

All: -272.382+/-77.865 χ^2/NDF: 130.6/81

- sign -89.406+/-110.901 χ^2/NDF: 45.8/41

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

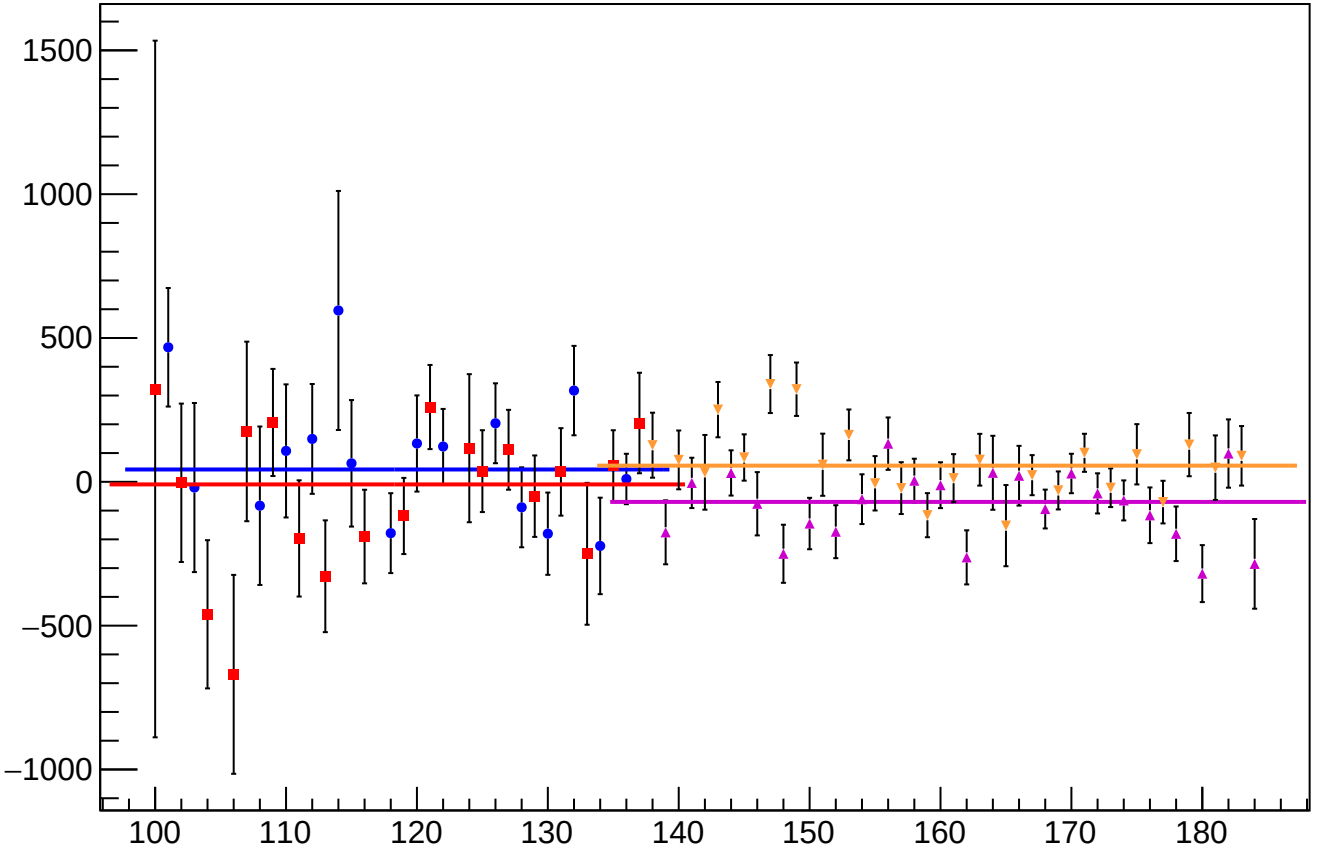
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 515.989+/-0.077 χ^2/NDF: 7847668.0/39

All: 515.319+/-0.055 χ^2/NDF: 15964167.9/81

- sign 514.629+/-0.078 χ^2/NDF: 8116347.4/41

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

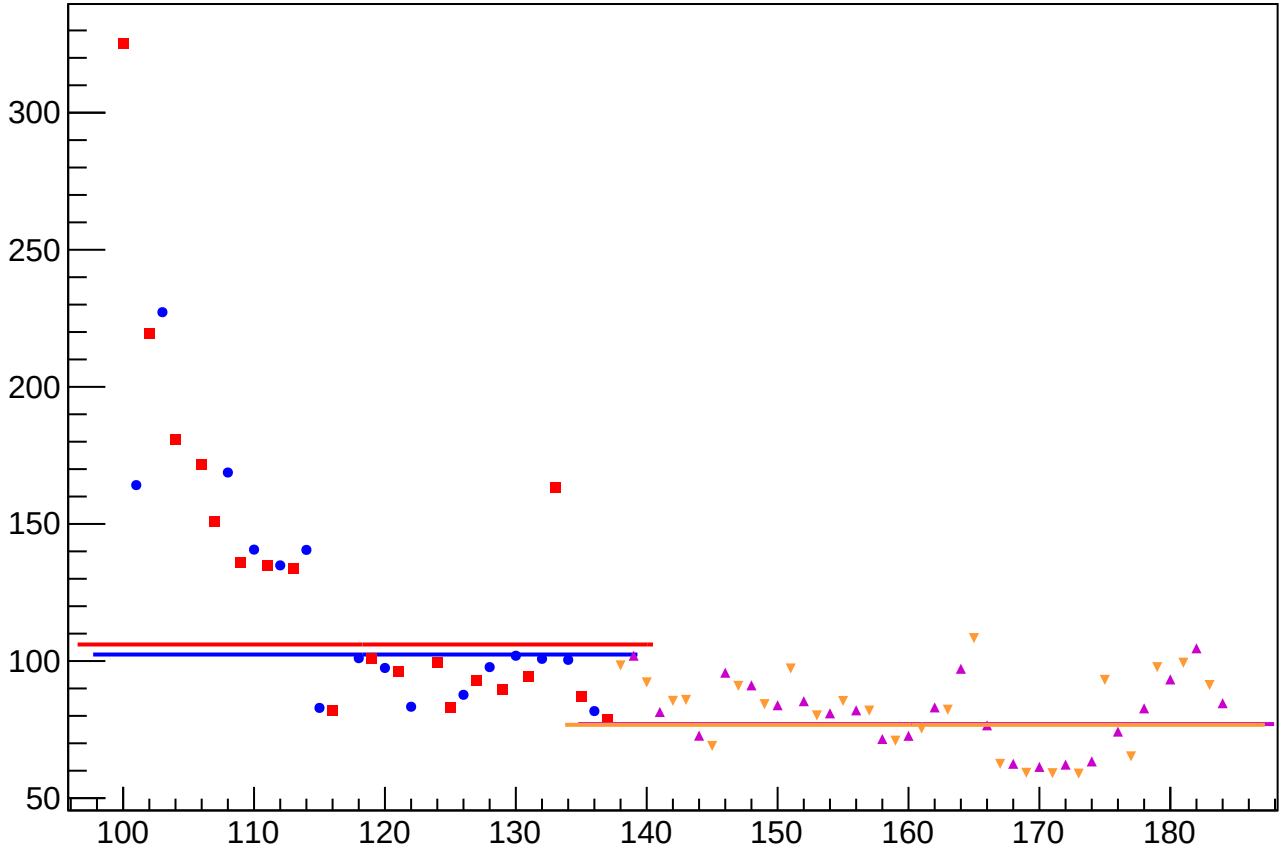
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.999+/-16.470 χ^2/NDF: 58.7/39

All: -1.444+/-11.783 χ^2/NDF: 139.6/81

- sign -59.576+/-16.864 χ^2/NDF: 57.7/41

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

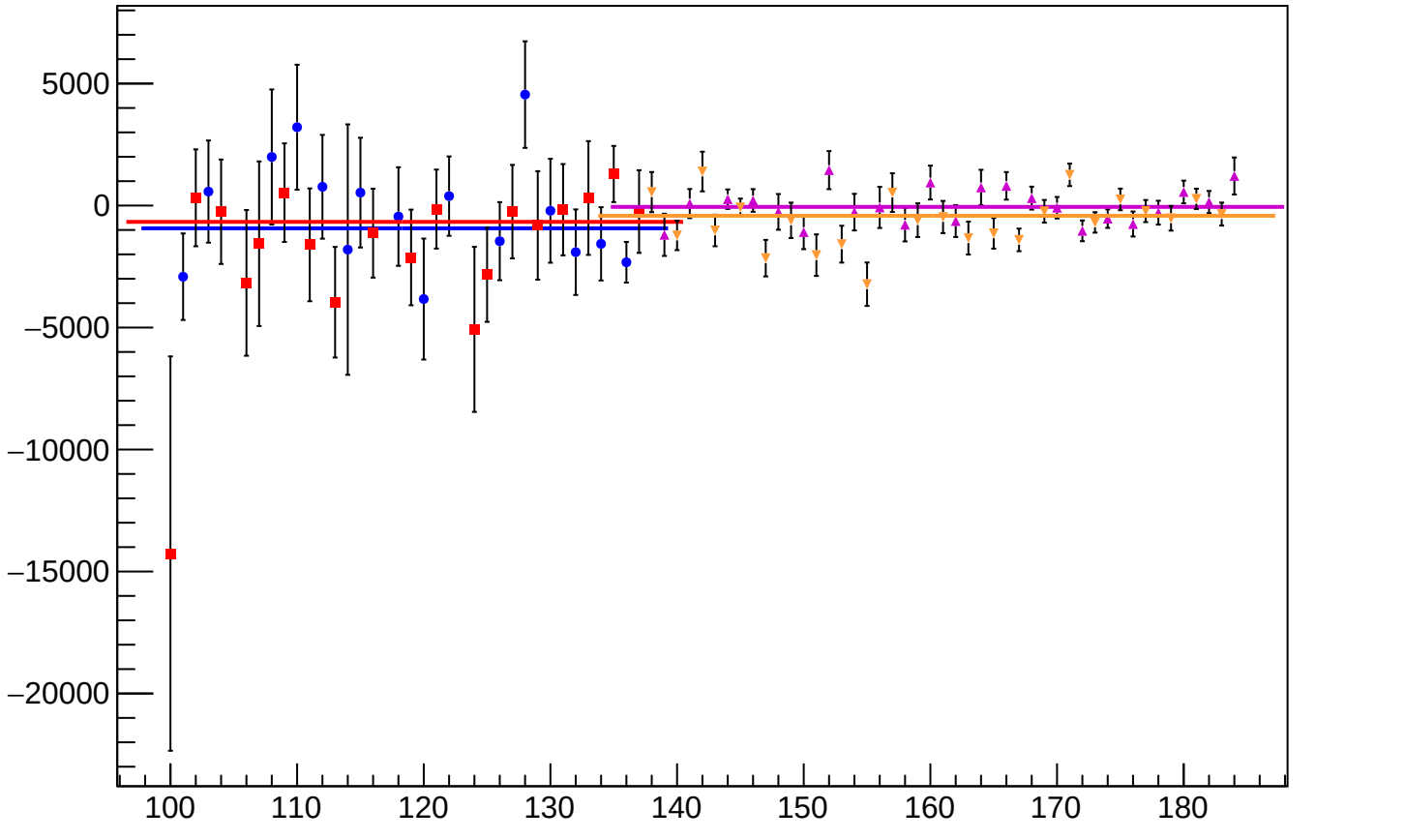
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 81.101+/-0.012 χ^2/NDF: 2900478.1/39

All: 81.498+/-0.008 χ^2/NDF: 5783191.6/81

- sign 81.913+/-0.012 χ^2/NDF: 2880343.3/41



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -418.951+/-112.845 χ^2/NDF:59.7/23

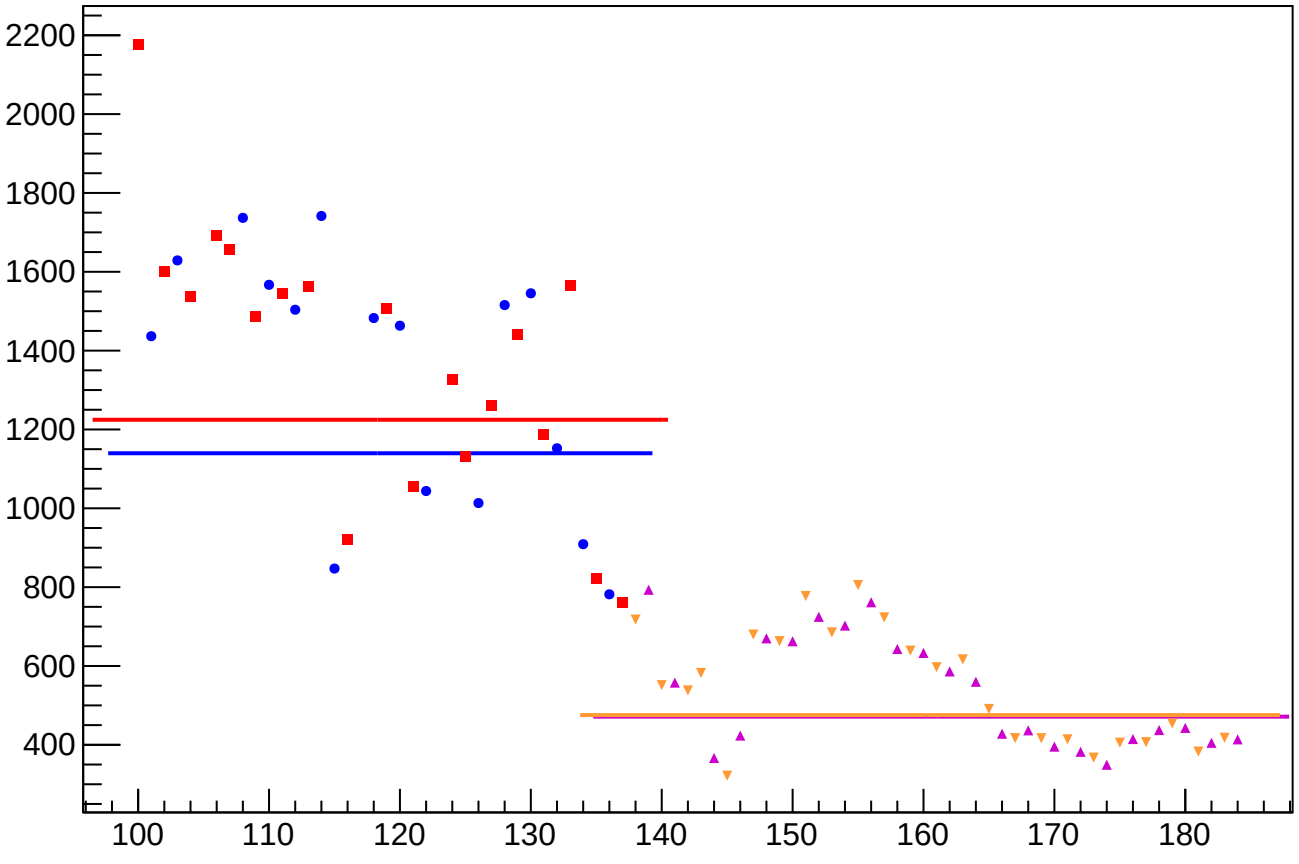
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -450.273+/-109.349 χ^2/NDF: 79.5/39

All: -272.382+/-77.864 χ^2/NDF: 130.6/81

- sign -89.406+/-110.901 χ^2/NDF: 45.8/41



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

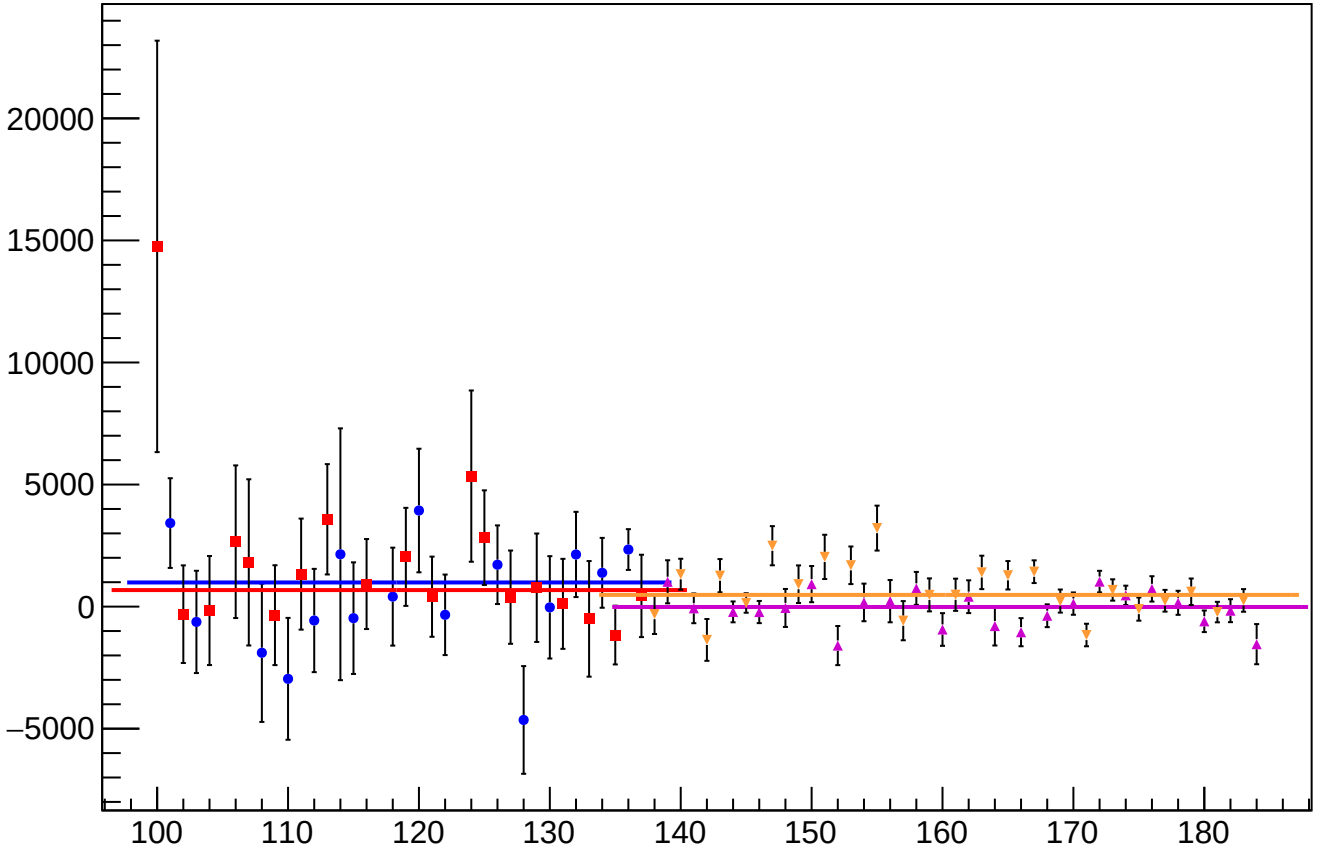
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 515.989+/-0.077 χ^2/NDF: 7847661.5/39

All: 515.318+/-0.055 χ^2/NDF: 15964142.2/81

- sign 514.629+/-0.078 χ^2/NDF: 8116328.2/41

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

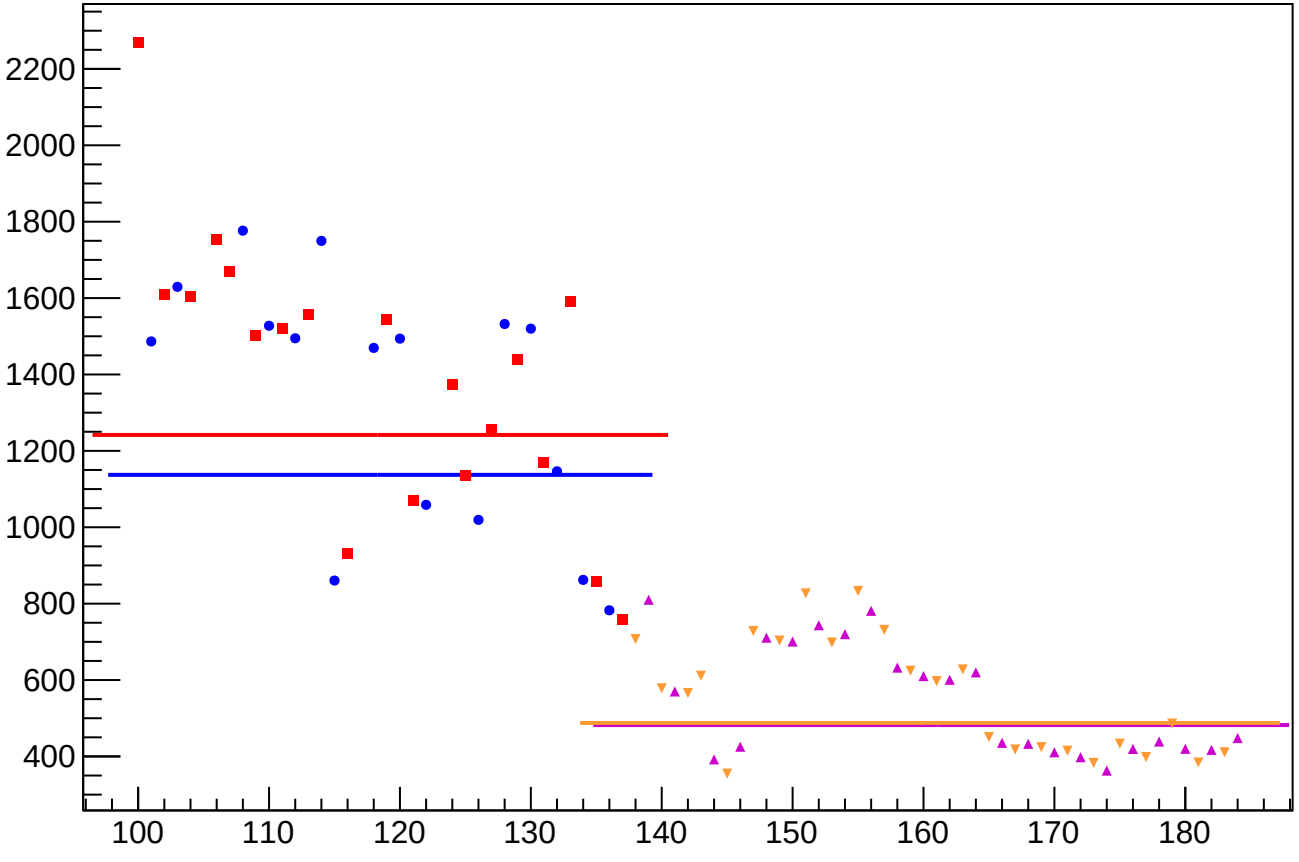
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 512.679+/-112.128 χ^2/NDF: 78.2/39

All: 271.378+/-79.682 χ^2/NDF: 131.8/81

- sign 25.194+/-113.257 χ^2/NDF: 44.2/41

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

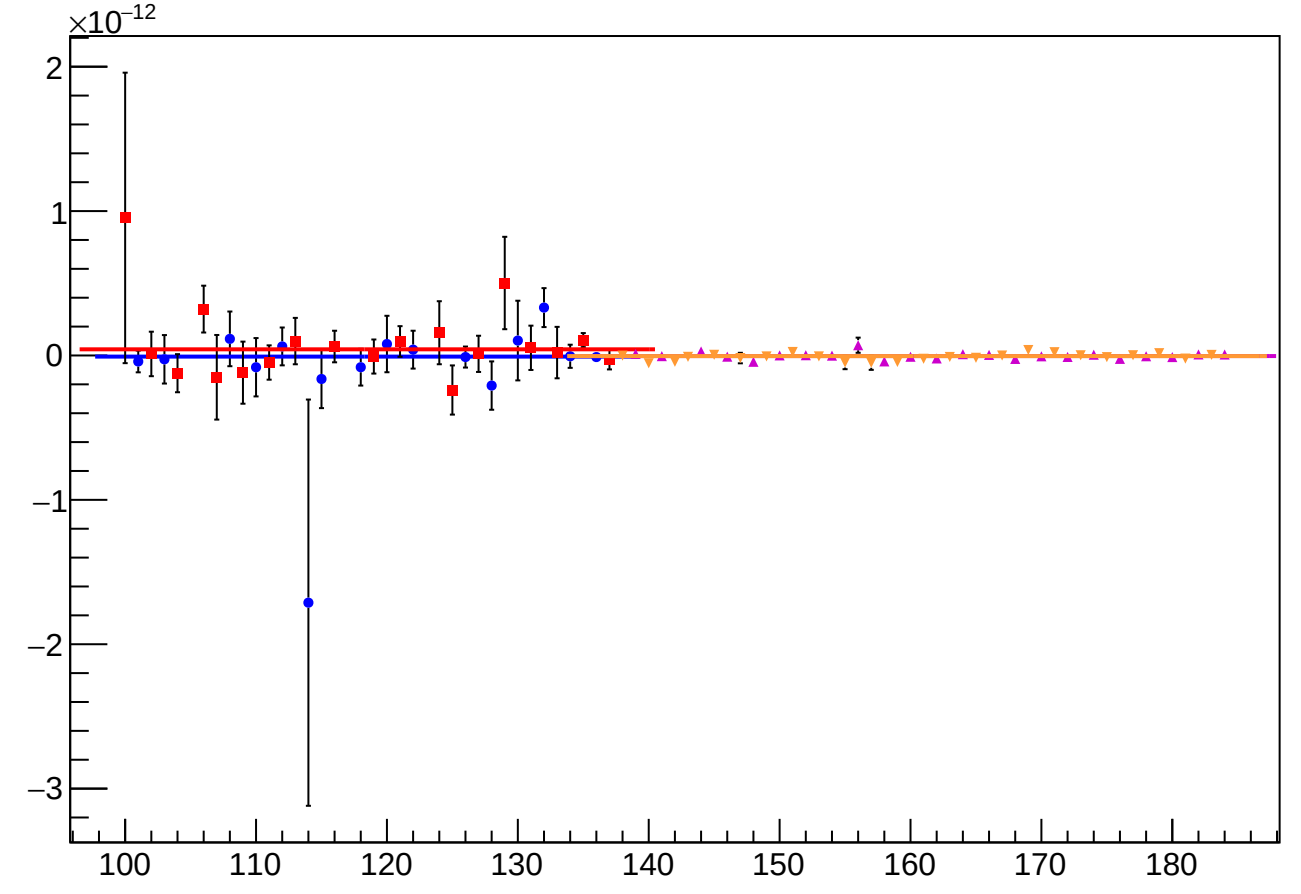
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 529.333+/-0.079 χ^2/NDF: 7633745.8/39

All: 527.847+/-0.056 χ^2/NDF: 15647422.9/81

- sign 526.330+/-0.080 χ^2/NDF: 8012966.9/41



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

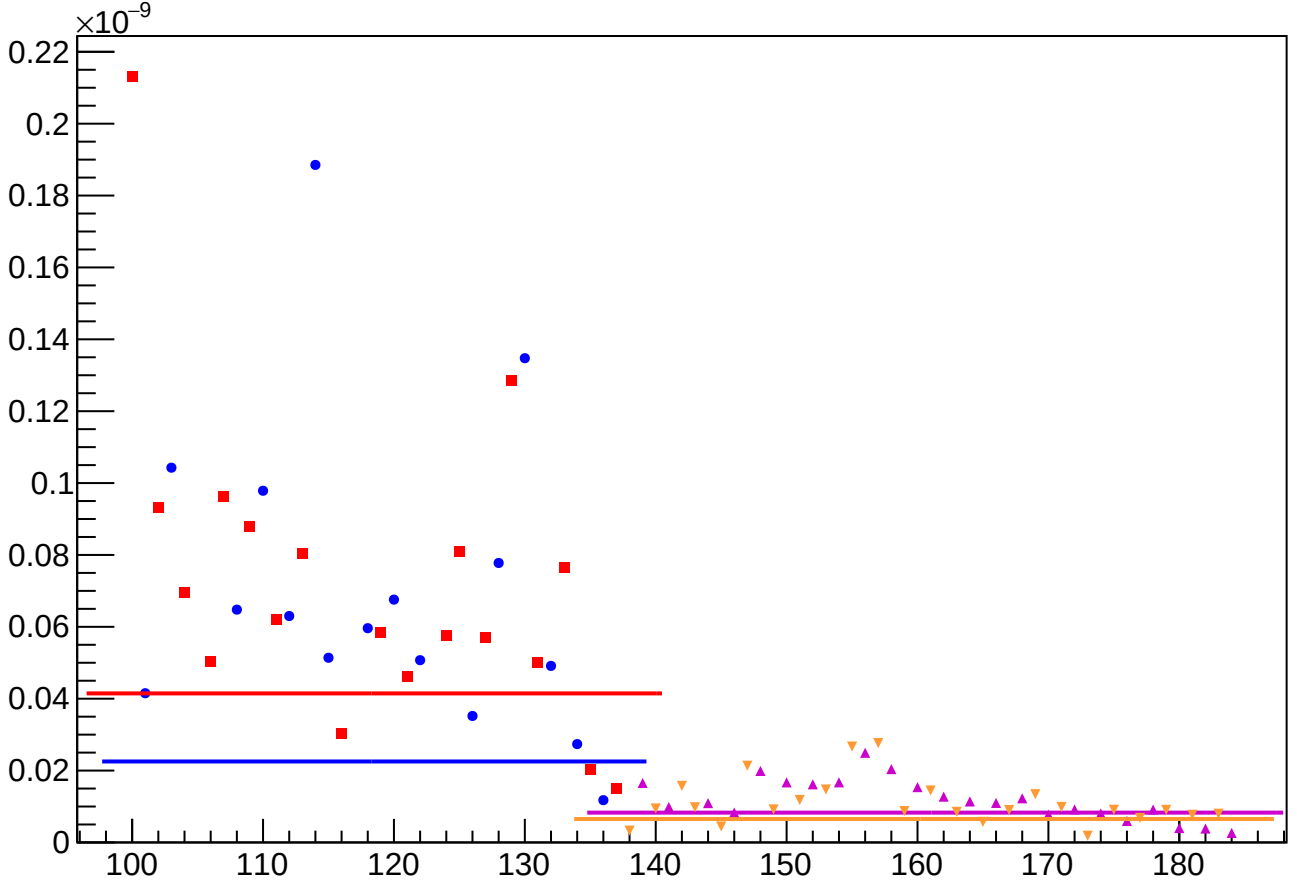
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/39

All: -0.000+/-0.000 χ^2/NDF: 74.2/81

- sign -0.000+/-0.000 χ^2/NDF: 33.5/41

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

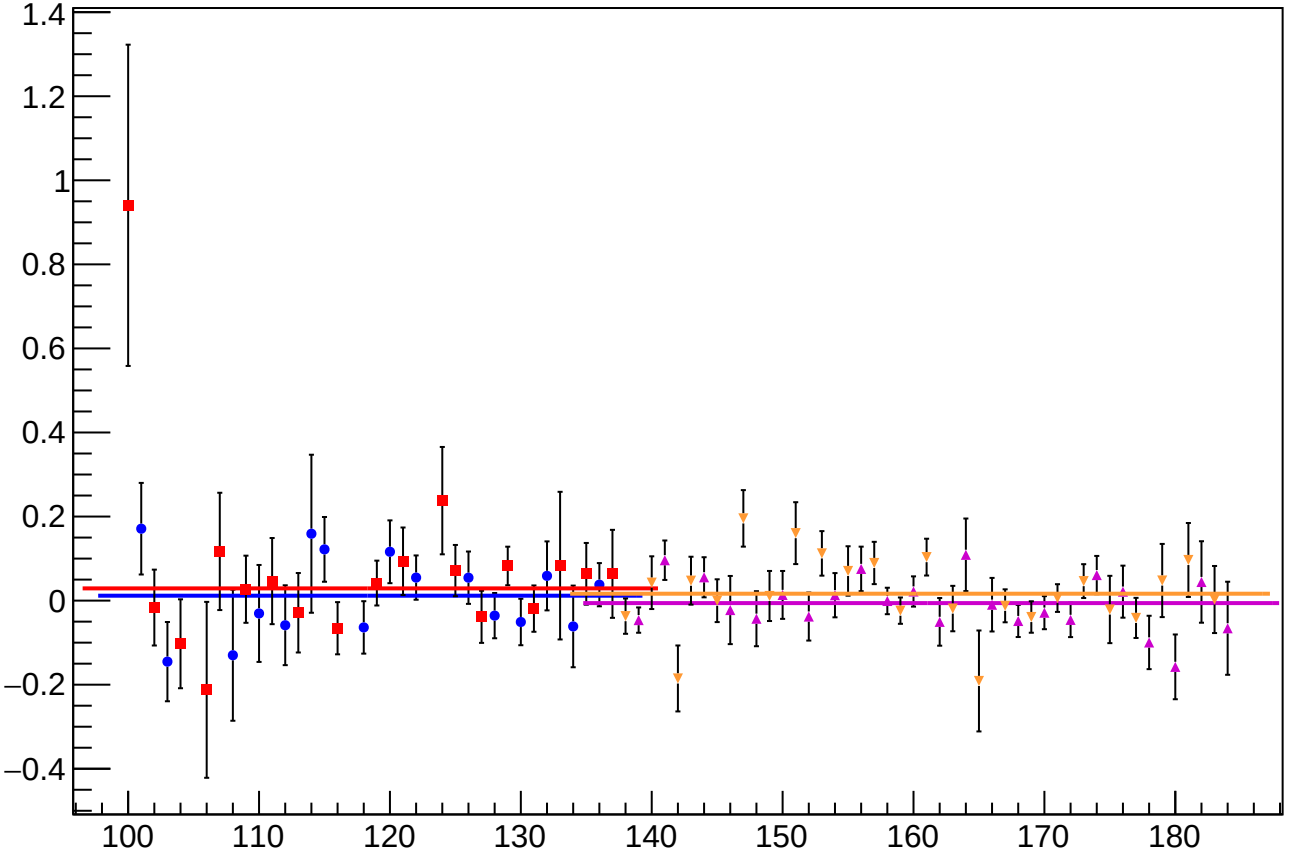
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8232562.6/39

All: 0.000+/-0.000 χ^2/NDF: 16130457.2/81

- sign 0.000+/-0.000 χ^2/NDF: 7593657.4/41

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

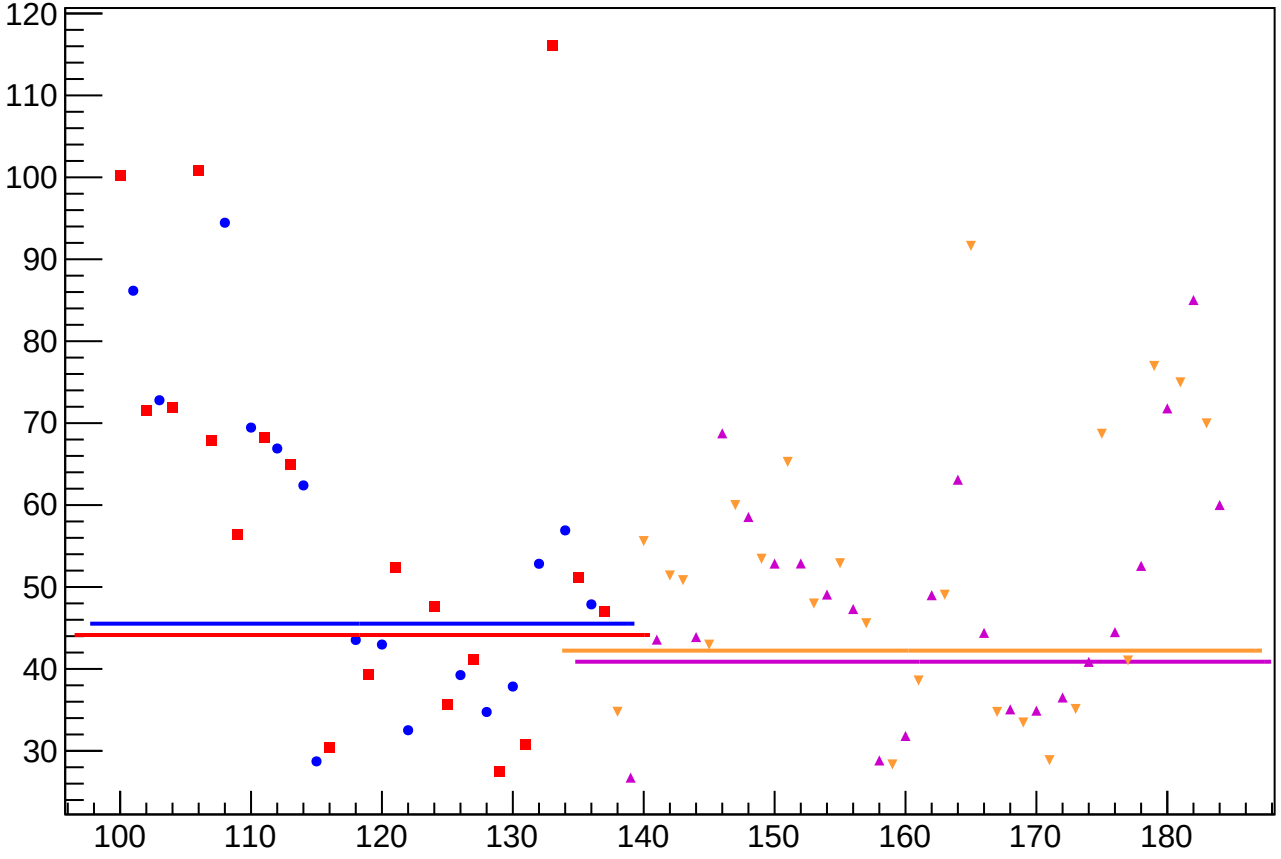
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/39

All: 0.009+/-0.006 χ^2/NDF: 107.3/81

- sign 0.003+/-0.009 χ^2/NDF: 48.4/41

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

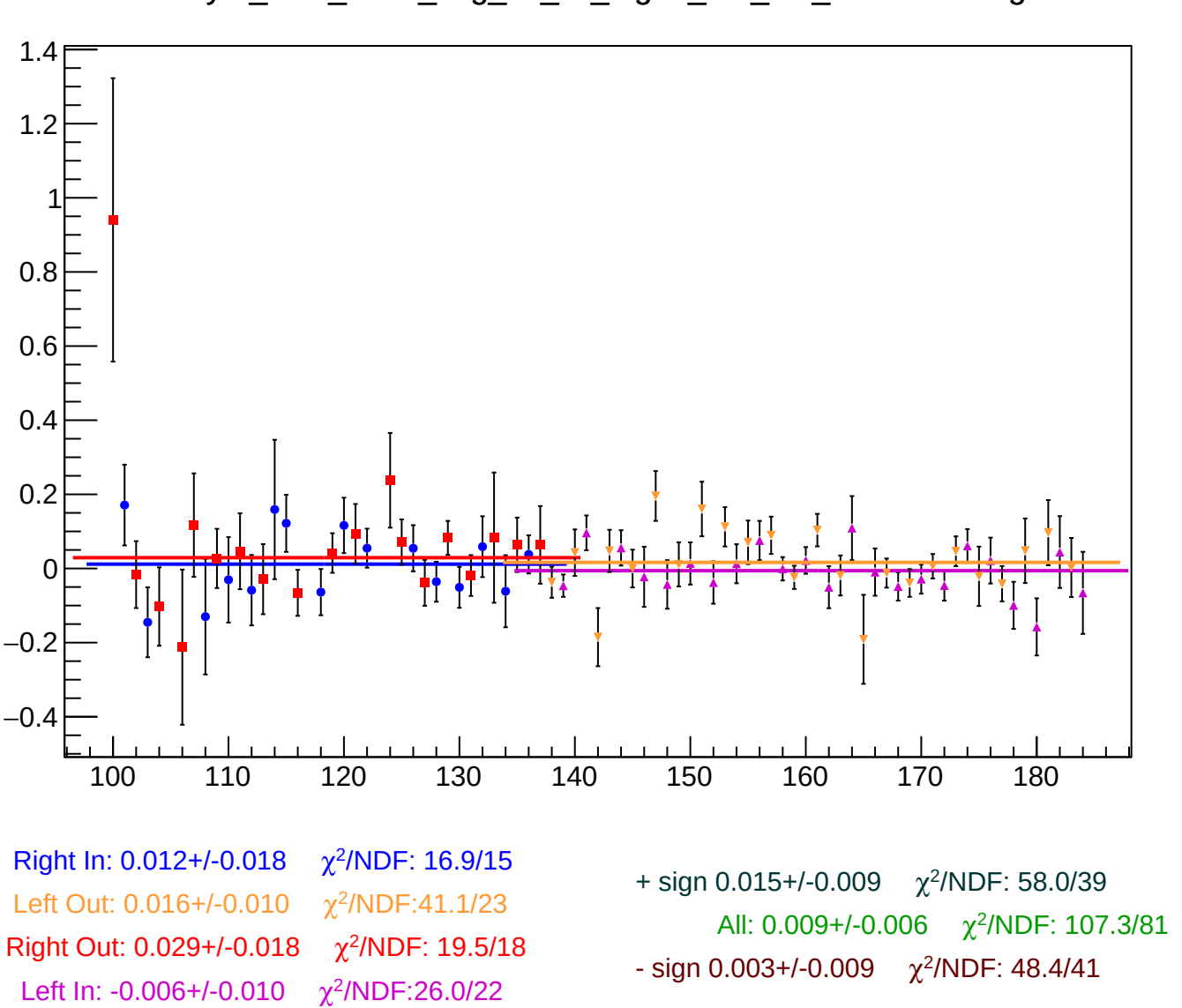
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

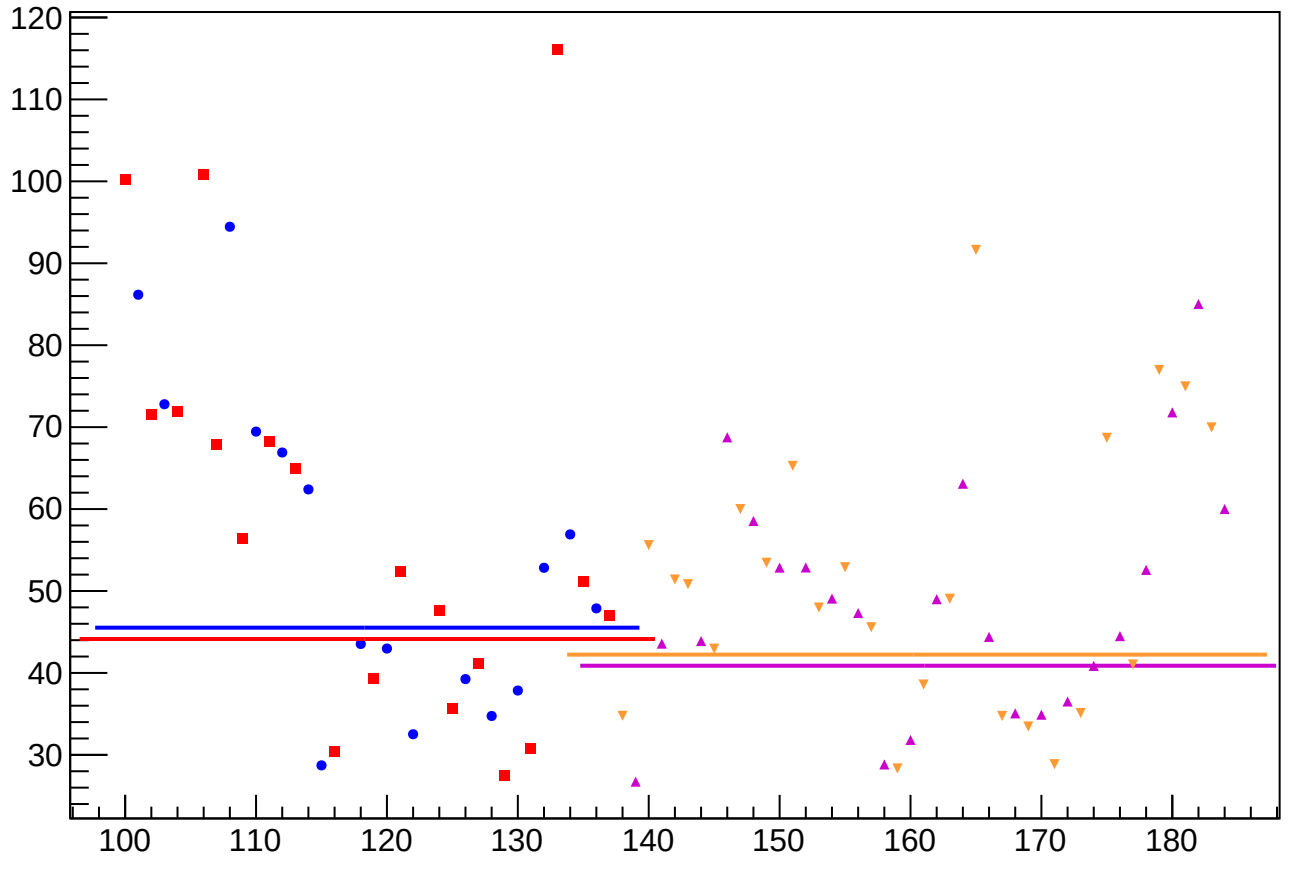
Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.035+/-0.006 χ^2/NDF: 4443470.0/39

All: 42.354+/-0.004 χ^2/NDF: 8937621.6/81

- sign 41.691+/-0.006 χ^2/NDF: 4471713.5/41


asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.012+/-0.018 χ²/NDF: 16.9/15
Left Out: 0.016+/-0.010 χ²/NDF:41.1/23
Right Out: 0.029+/-0.018 χ²/NDF: 19.5/18
Left In: -0.006+/-0.010 χ²/NDF:26.0/22
+ sign 0.015+/-0.009 χ²/NDF: 58.0/39
All: 0.009+/-0.006 χ²/NDF: 107.3/81
- sign 0.003+/-0.009 χ²/NDF: 48.4/41



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140680.8/23

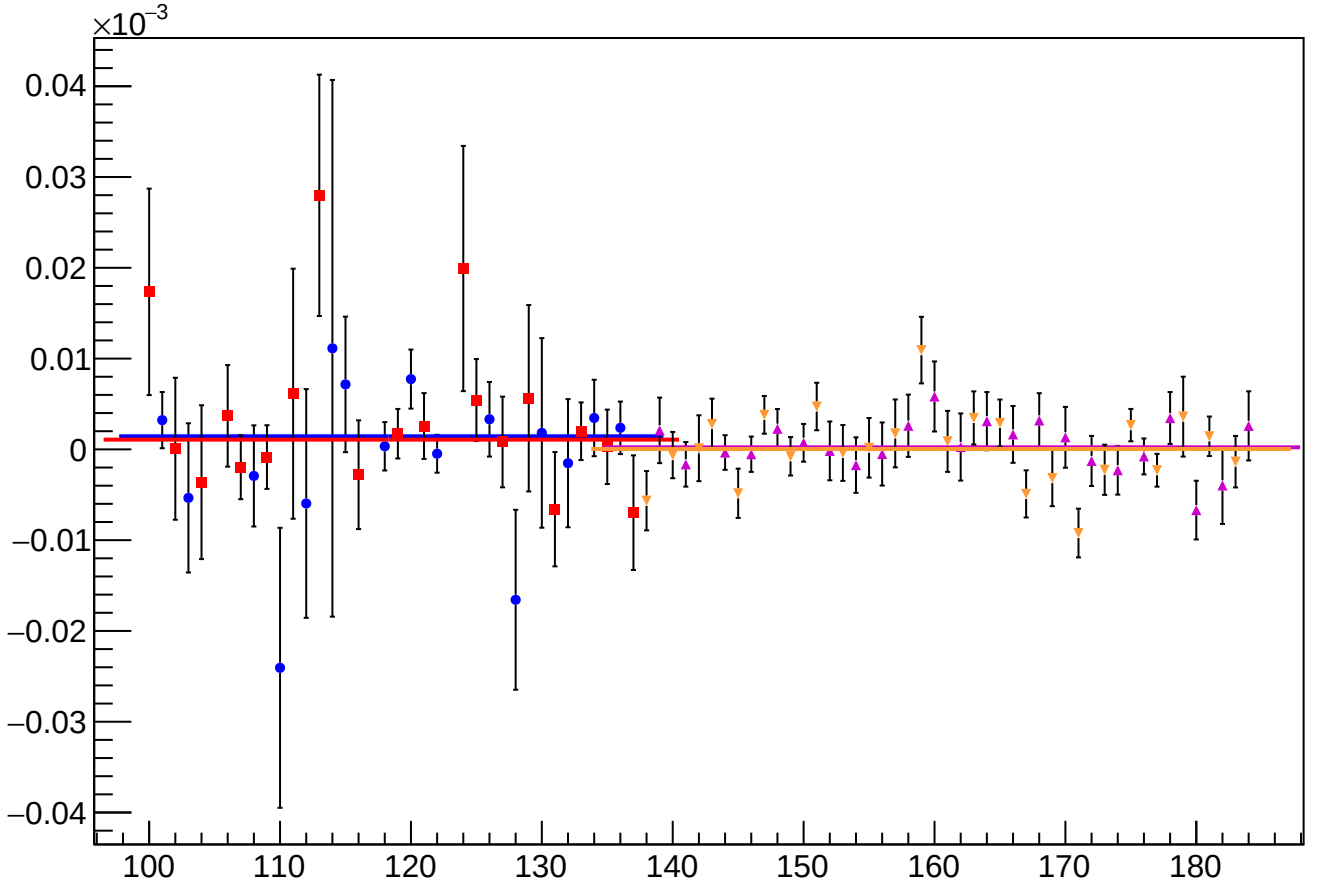
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.035+/-0.006 χ^2/NDF: 4443470.0/39

All: 42.354+/-0.004 χ^2/NDF: 8937621.6/81

- sign 41.691+/-0.006 χ^2/NDF: 4471713.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.1/23

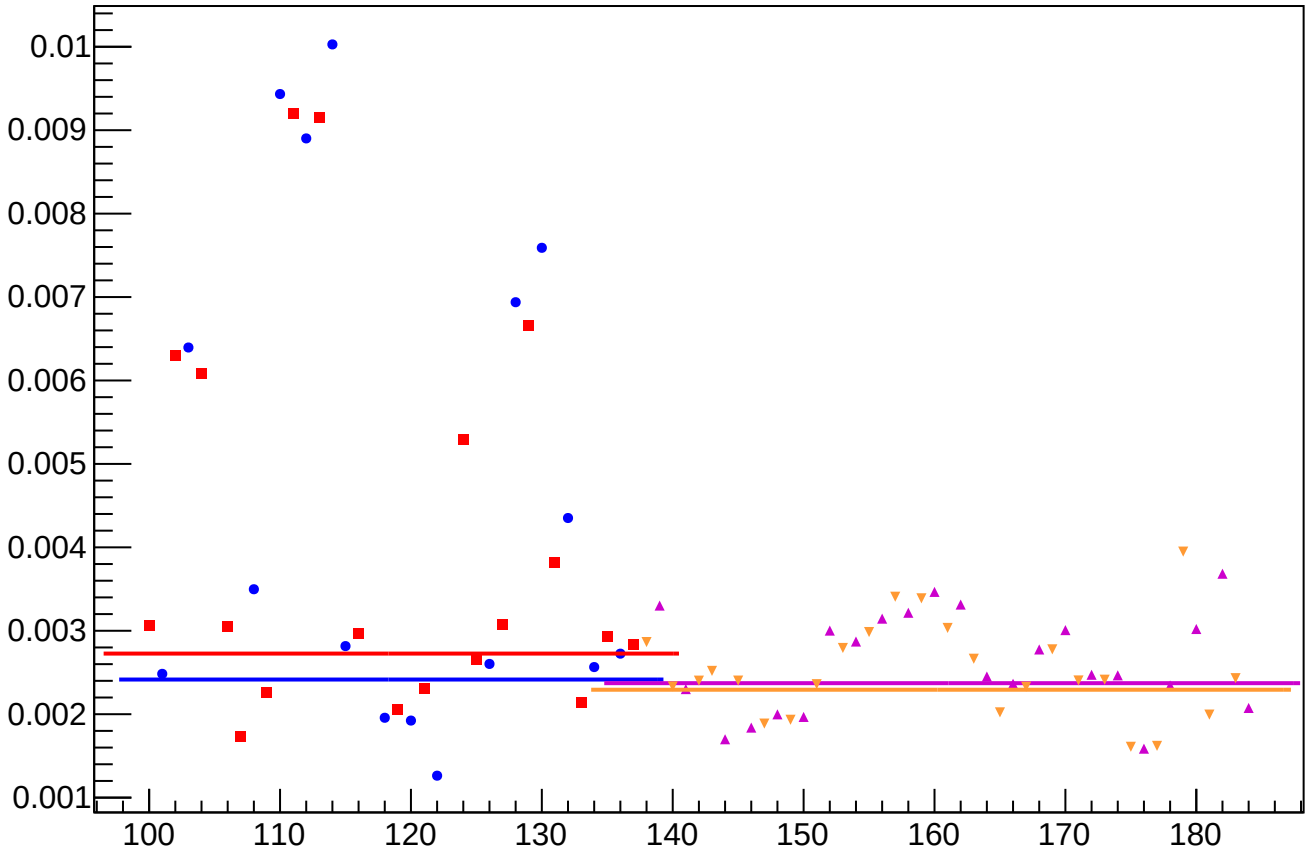
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.7/39

All: 0.000+/-0.000 χ^2/NDF: 94.8/81

- sign 0.000+/-0.000 χ^2/NDF: 31.1/41



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1817854.3/23

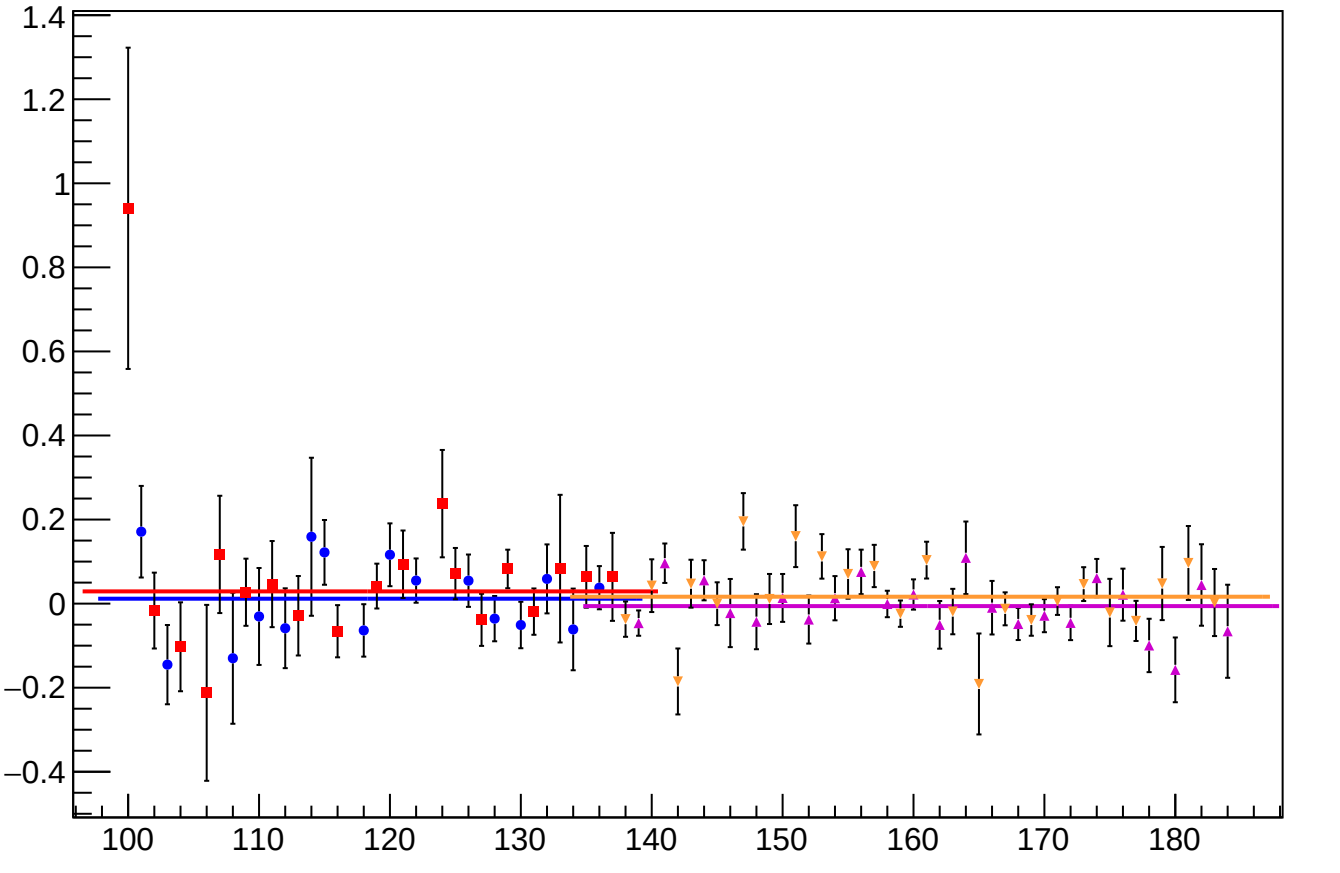
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5271664.4/39

All: 0.002+/-0.000 χ^2/NDF: 10020327.6/81

- sign 0.002+/-0.000 χ^2/NDF: 4683401.6/41



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/23

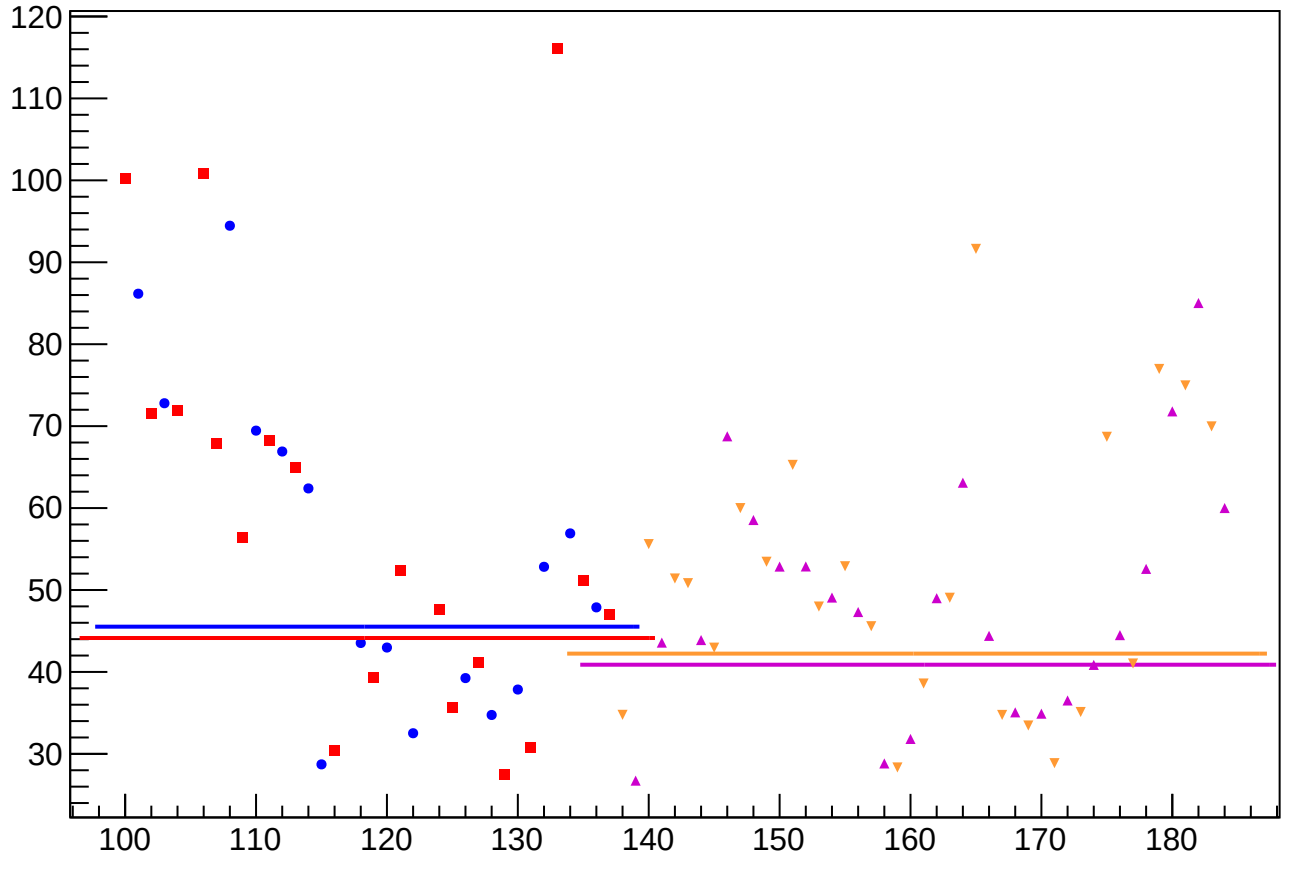
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/39

All: 0.009+/-0.006 χ^2/NDF: 107.3/81

- sign 0.003+/-0.009 χ^2/NDF: 48.4/41



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

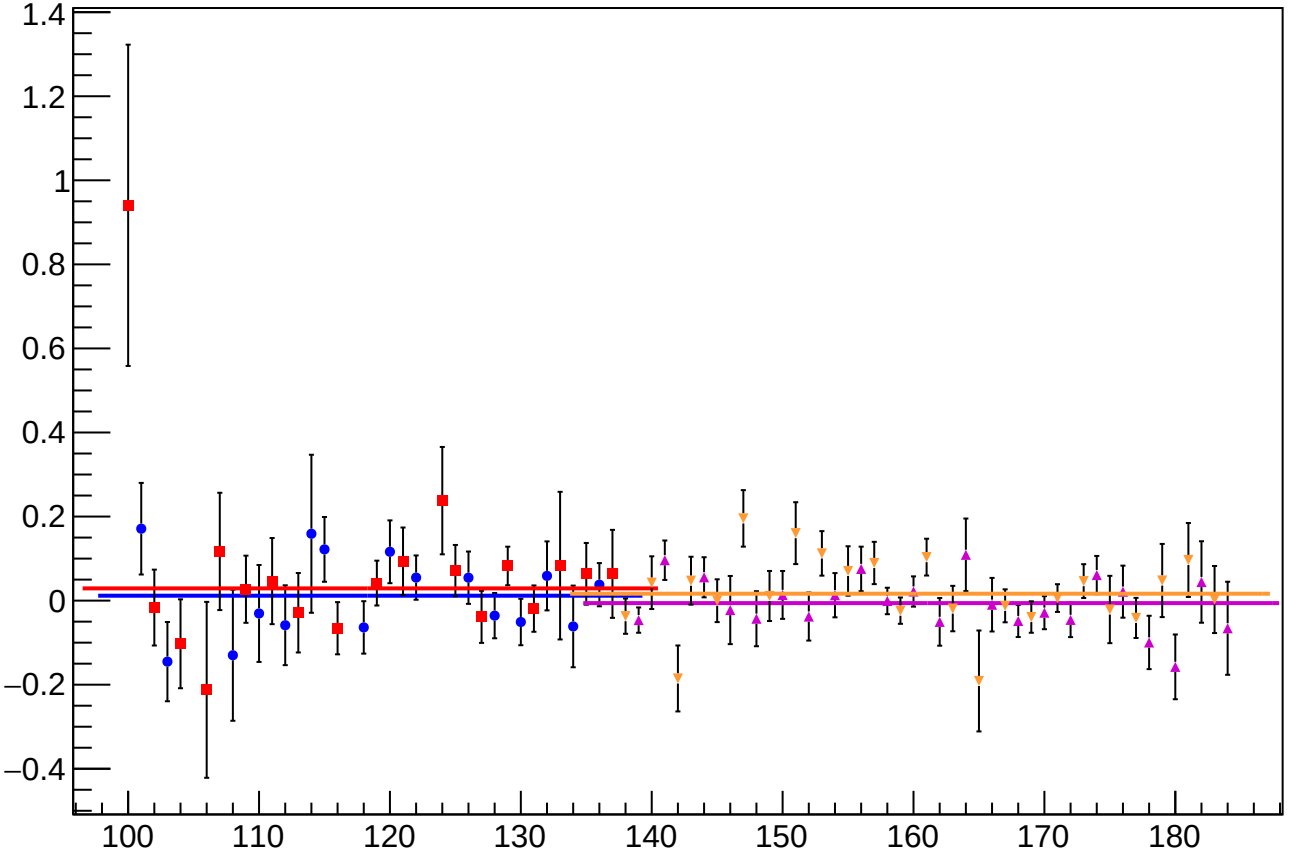
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.035+/-0.006 χ^2/NDF: 4443440.0/39

All: 42.354+/-0.004 χ^2/NDF: 8937524.8/81

- sign 41.691+/-0.006 χ^2/NDF: 4471651.1/41

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

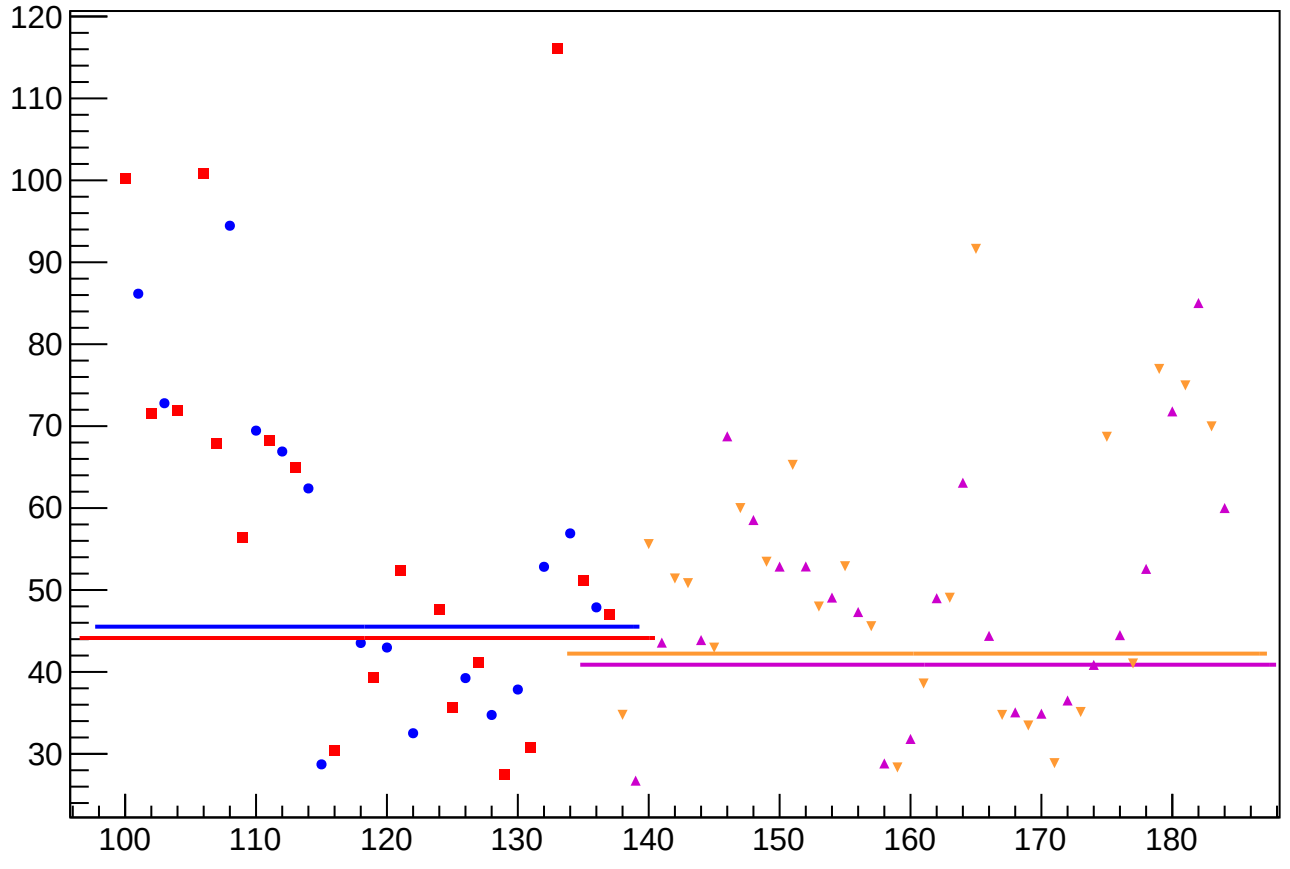
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/39

All: 0.009+/-0.006 χ^2/NDF: 107.3/81

- sign 0.003+/-0.009 χ^2/NDF: 48.4/41



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 42.235+/-0.007 χ^2/NDF:3140704.5/23

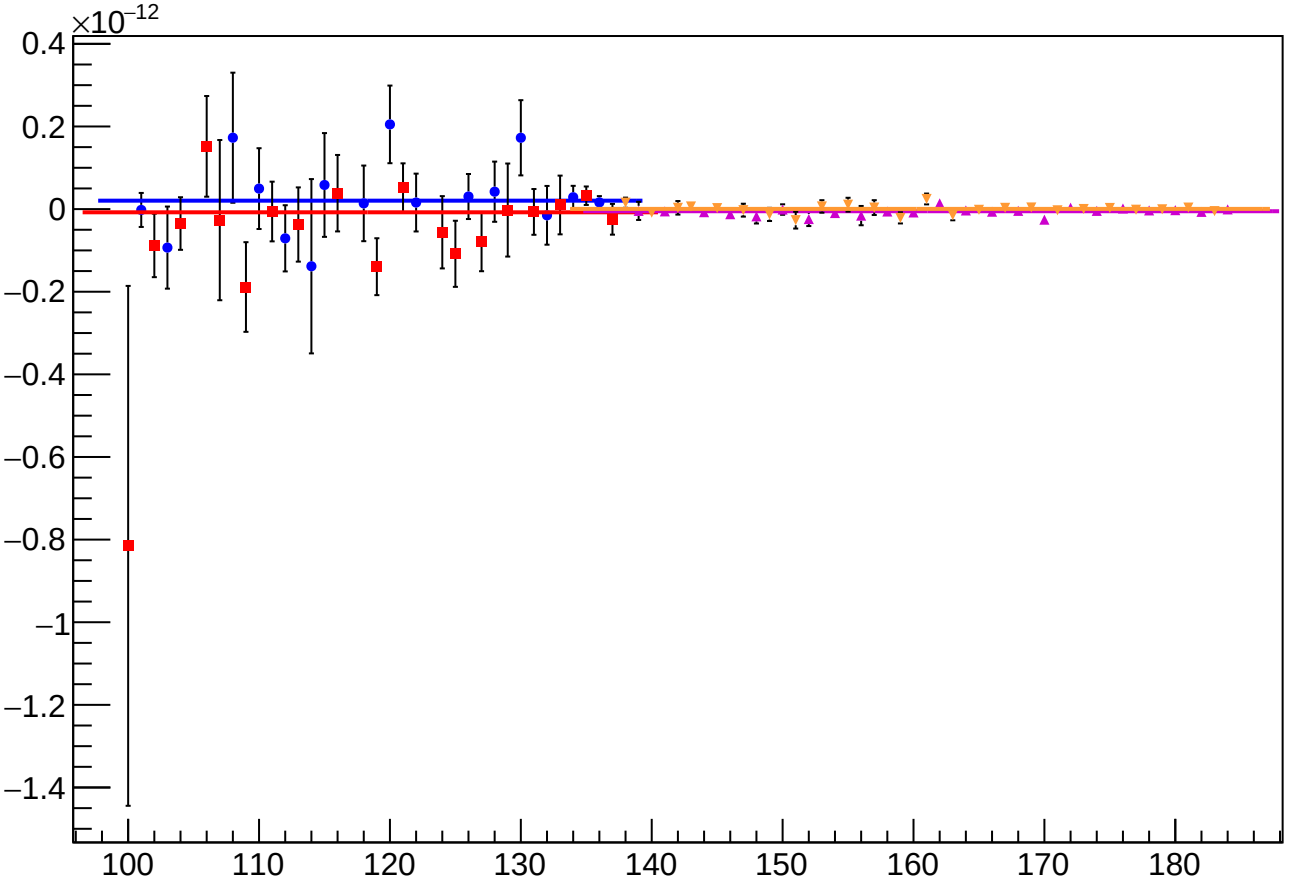
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.035+/-0.006 χ^2/NDF: 4443440.0/39

All: 42.354+/-0.004 χ^2/NDF: 8937524.8/81

- sign 41.691+/-0.006 χ^2/NDF: 4471651.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/23

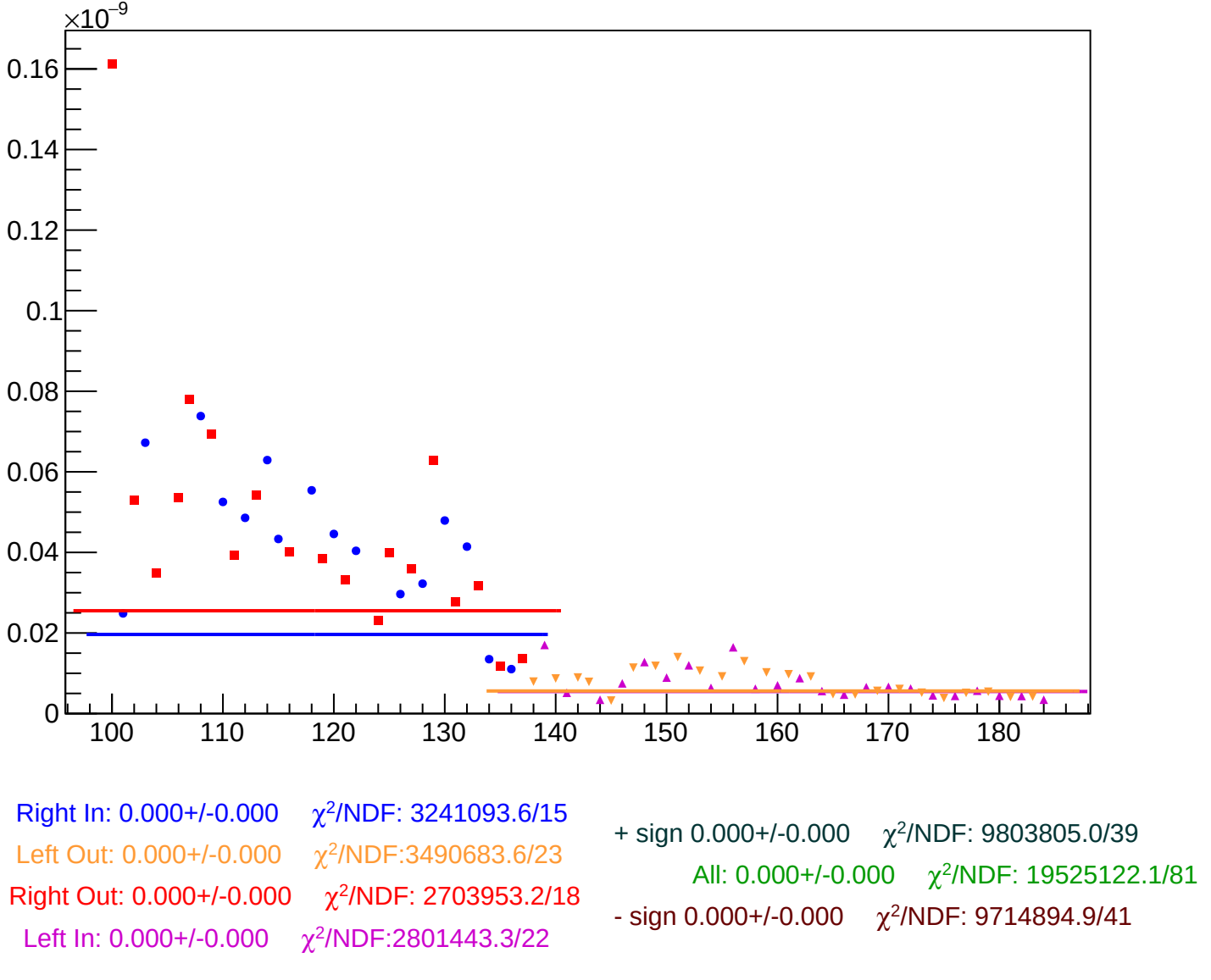
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

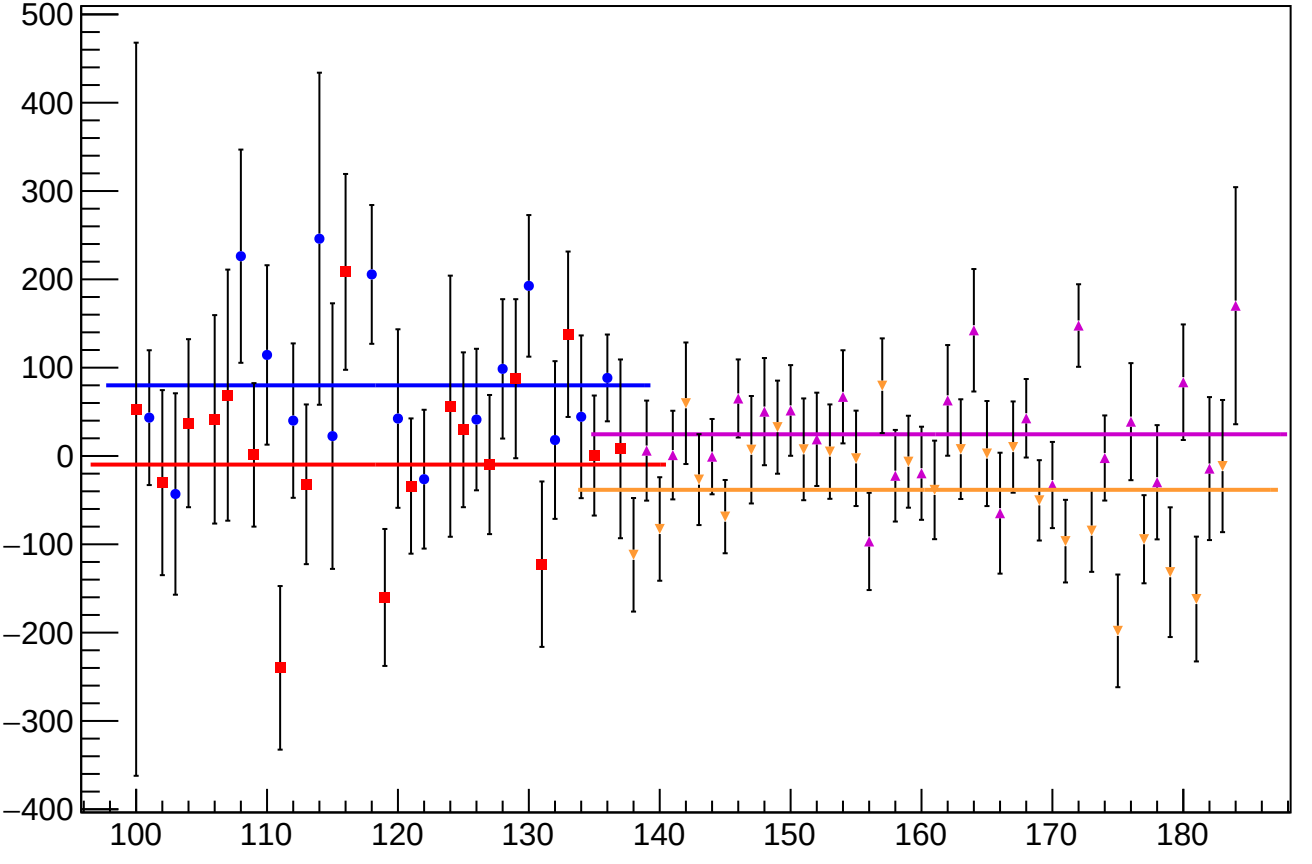
+ sign 0.000+/-0.000 χ^2/NDF: 30.1/39

All: -0.000+/-0.000 χ^2/NDF: 68.2/81

- sign -0.000+/-0.000 χ^2/NDF: 32.0/41


asym_sam_3726_avg_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: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3490683.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2703953.2/18
Left In: 0.000+/-0.000 χ²/NDF:2801443.3/22
+ sign 0.000+/-0.000 χ²/NDF: 9803805.0/39
All: 0.000+/-0.000 χ²/NDF: 19525122.1/81
- sign 0.000+/-0.000 χ²/NDF: 9714894.9/41

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

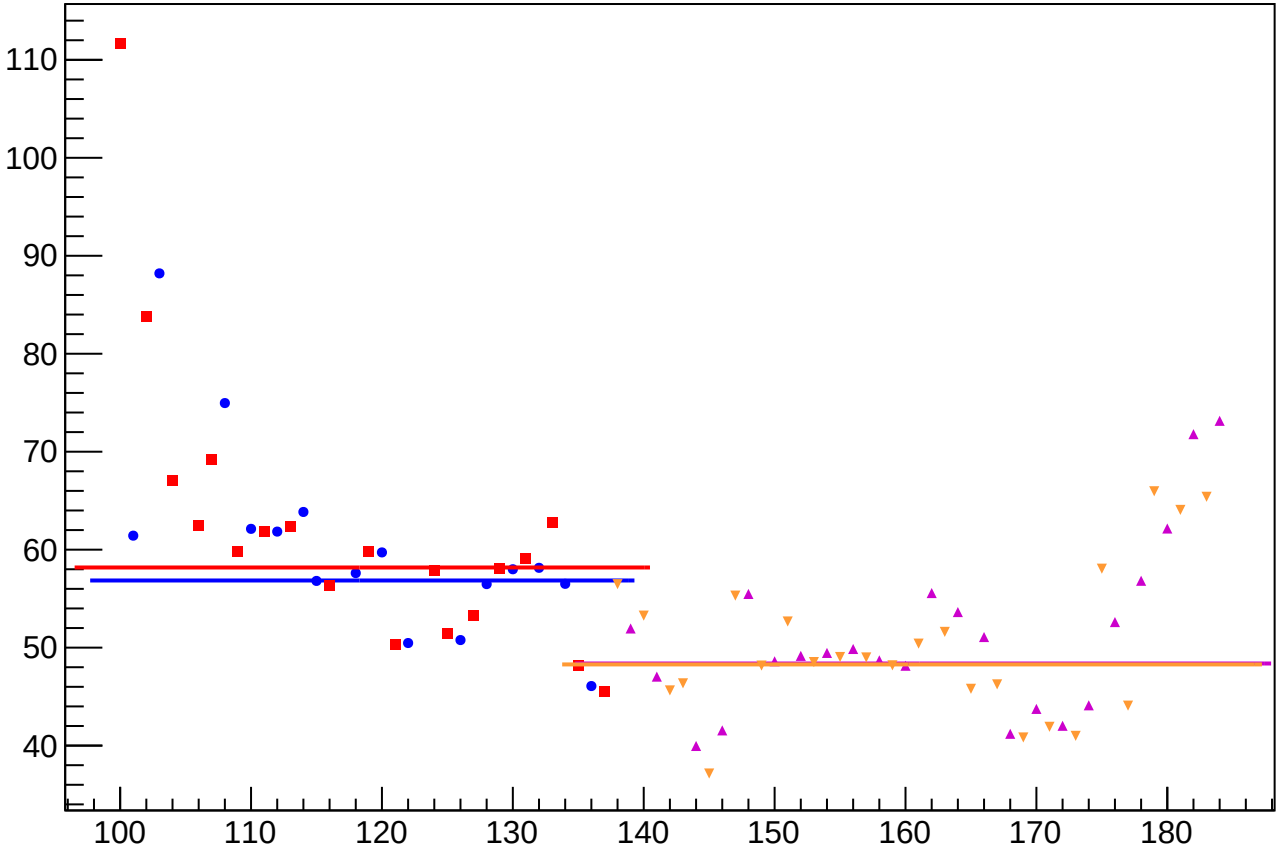
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -12.955+/-9.942 χ^2/NDF: 66.1/39

All: 1.755+/-7.096 χ^2/NDF: 118.7/81

- sign 17.035+/-10.133 χ^2/NDF: 48.1/41

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

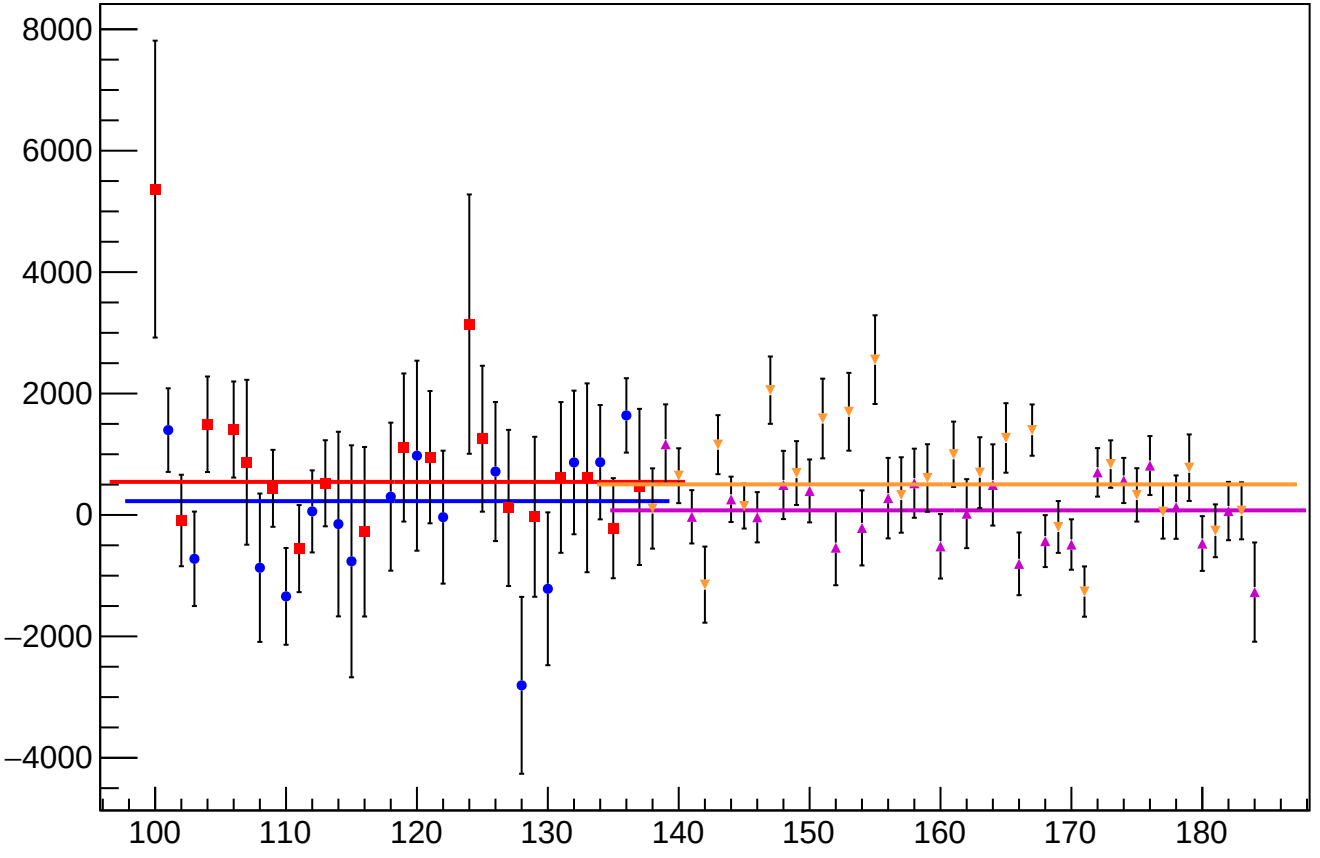
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.122+/-0.007 χ^2/NDF: 1364949.9/39

All: 50.324+/-0.005 χ^2/NDF: 2697454.0/81

- sign 50.534+/-0.007 χ^2/NDF: 1330823.0/41

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

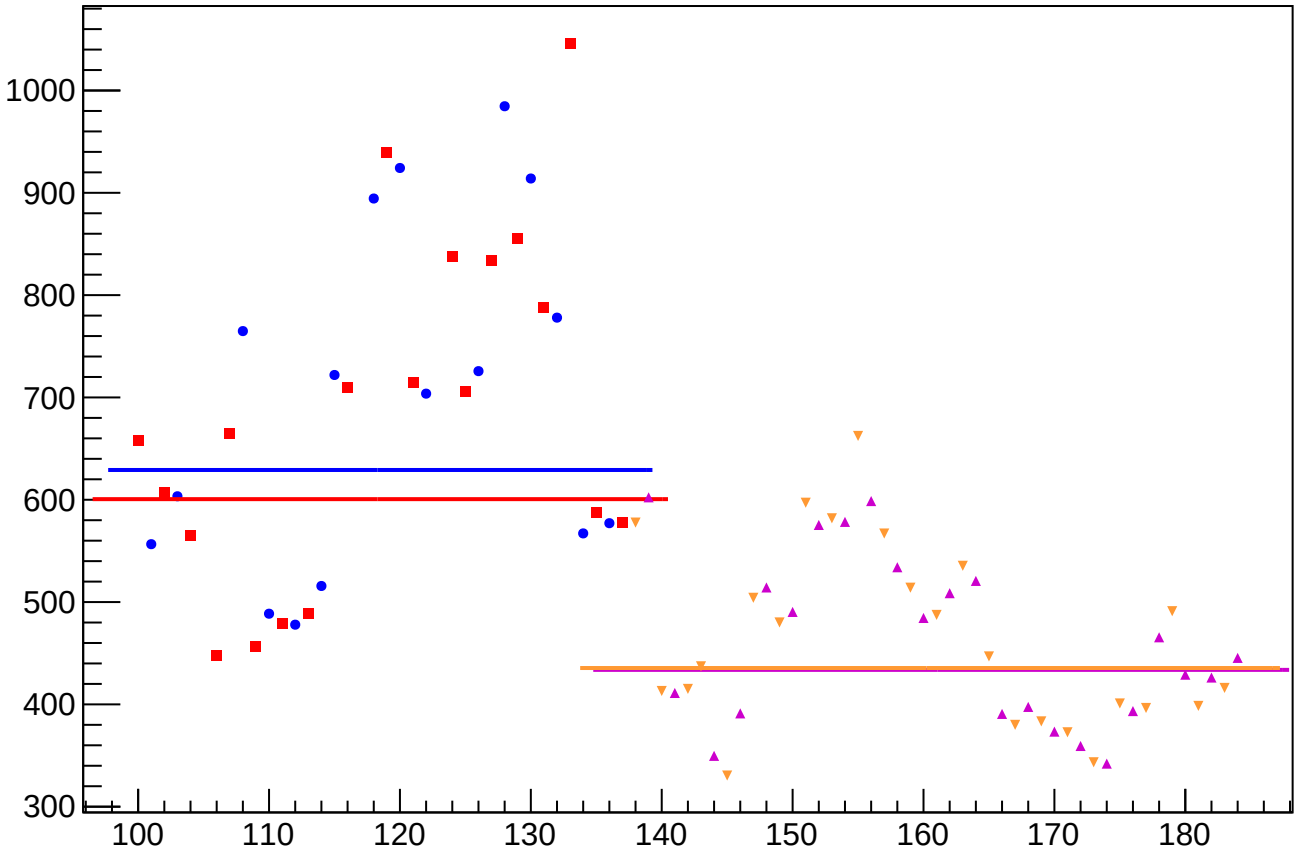
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 462.229+/-93.609 χ^2/NDF: 89.3/39

All: 309.495+/-66.298 χ^2/NDF: 136.0/81

- sign 155.778+/-93.910 χ^2/NDF: 41.4/41



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

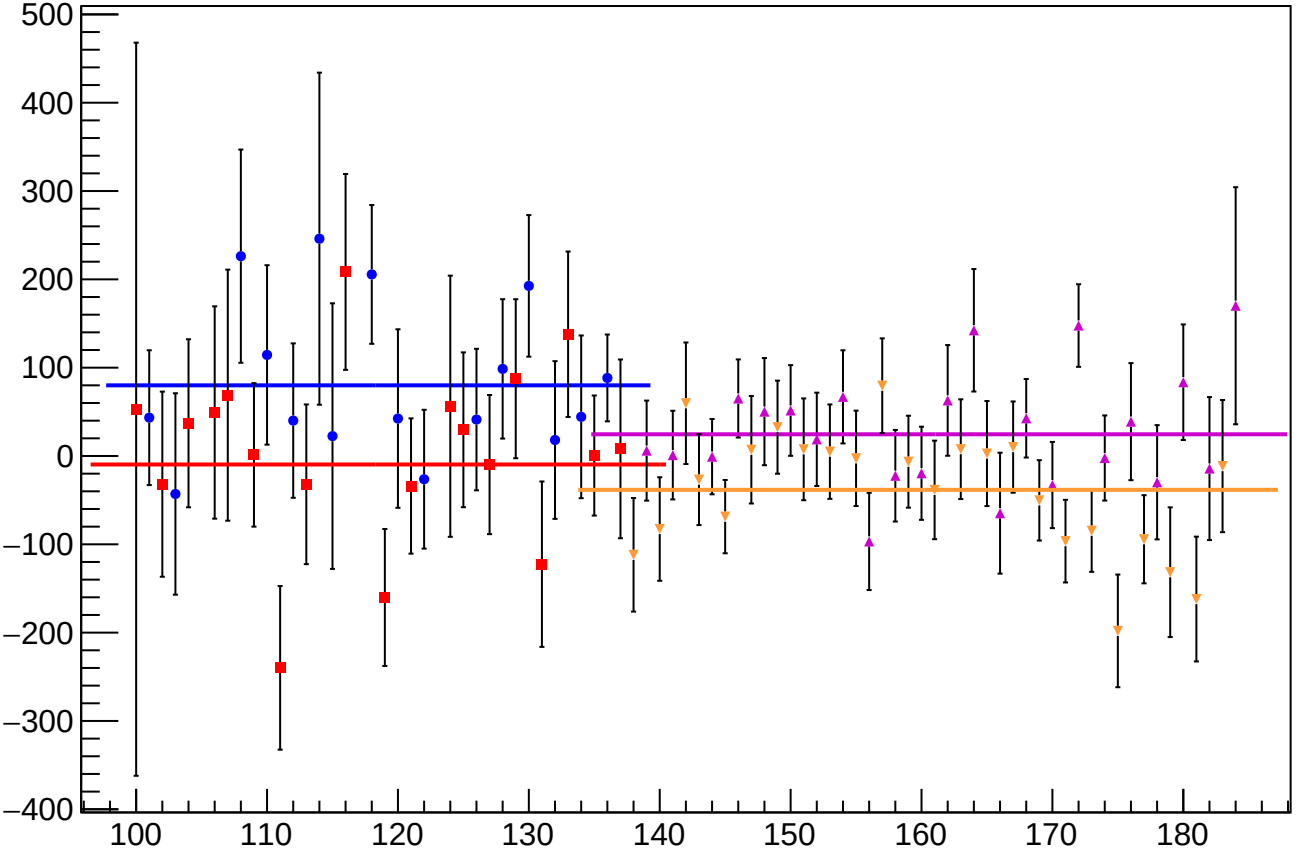
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 464.682+/-0.066 χ^2/NDF: 3006285.4/39

All: 463.455+/-0.047 χ^2/NDF: 5870676.6/81

- sign 462.220+/-0.066 χ^2/NDF: 2863701.7/41

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

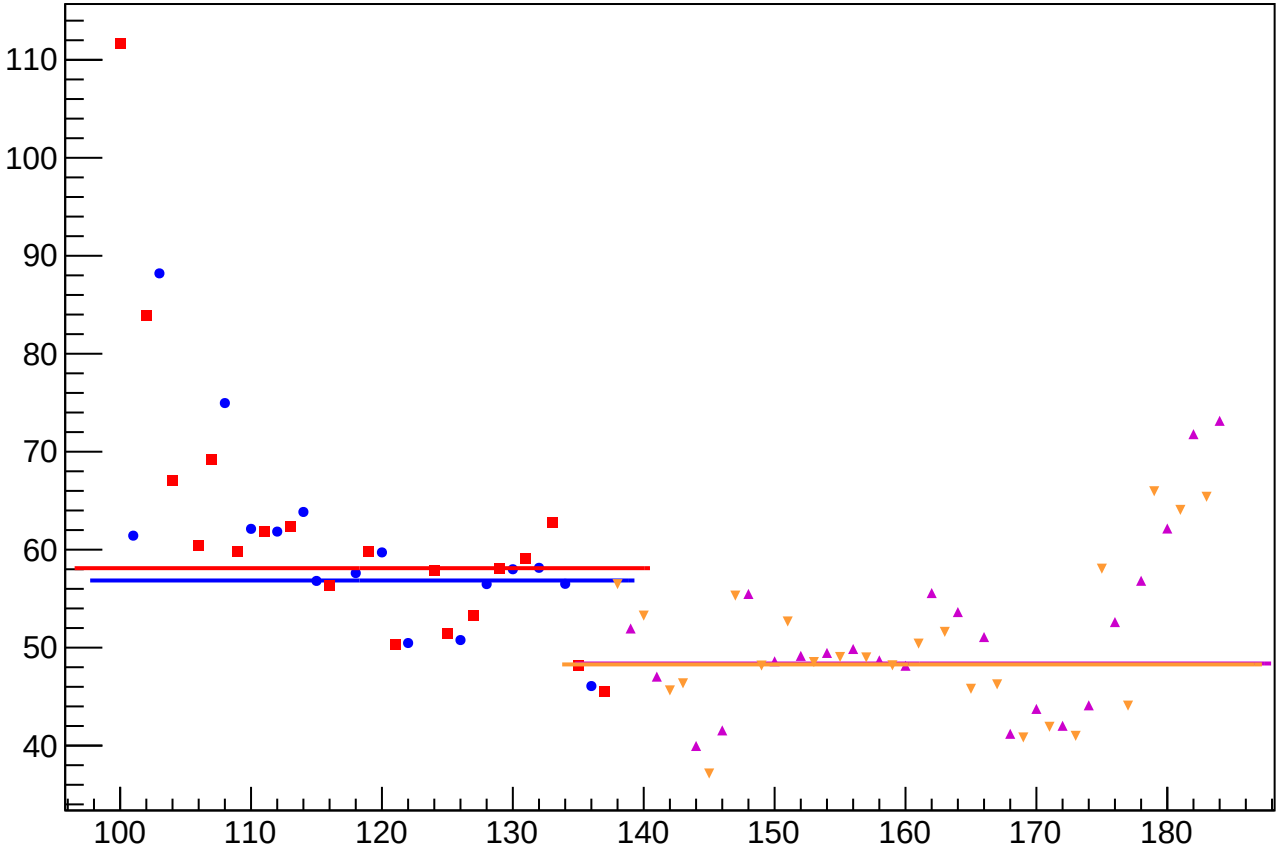
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -12.957+/-9.942 χ^2/NDF: 66.2/39

All: 1.768+/-7.097 χ^2/NDF: 118.7/81

\- sign 17.068+/-10.134 χ^2/NDF: 48.1/41

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

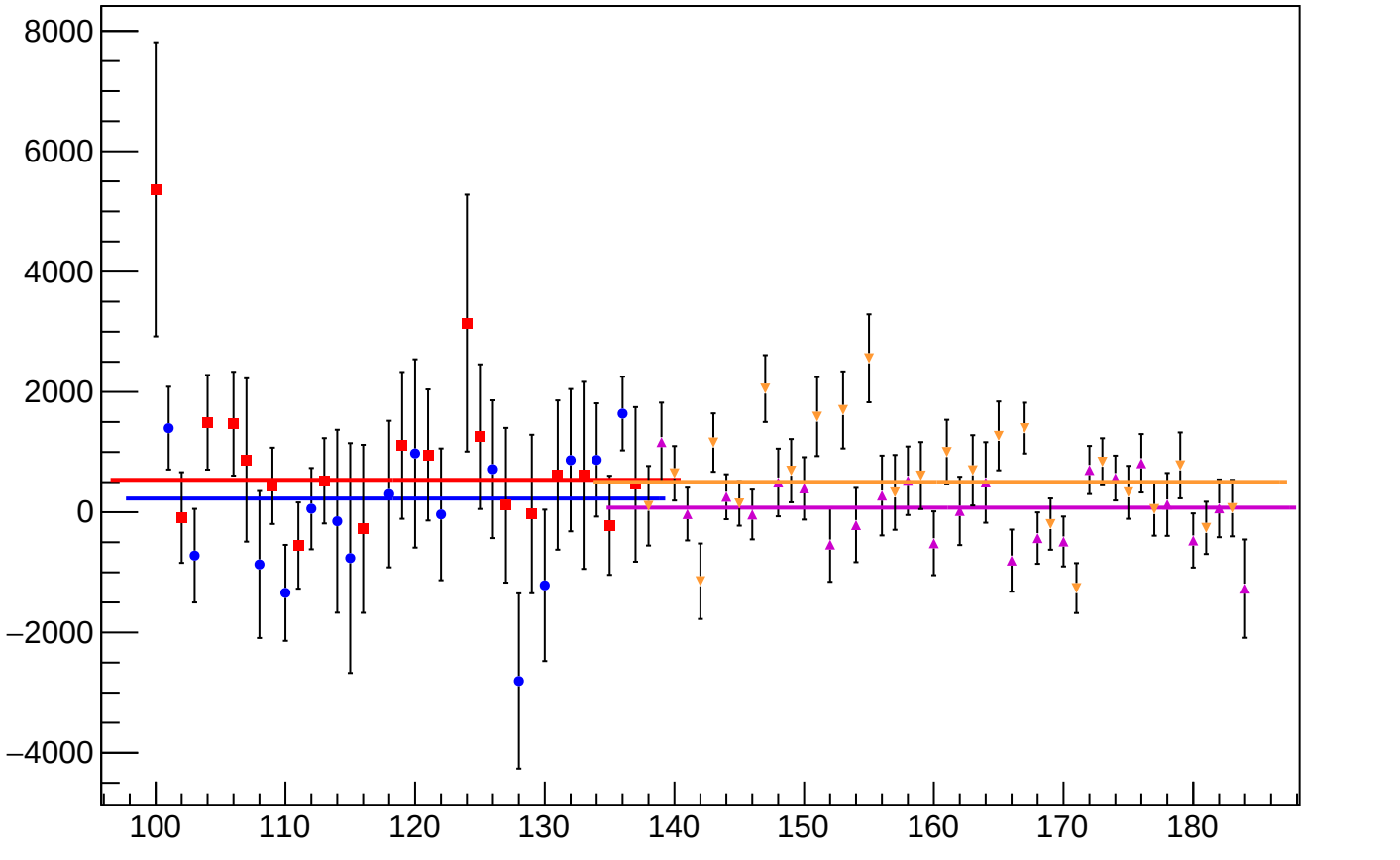
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

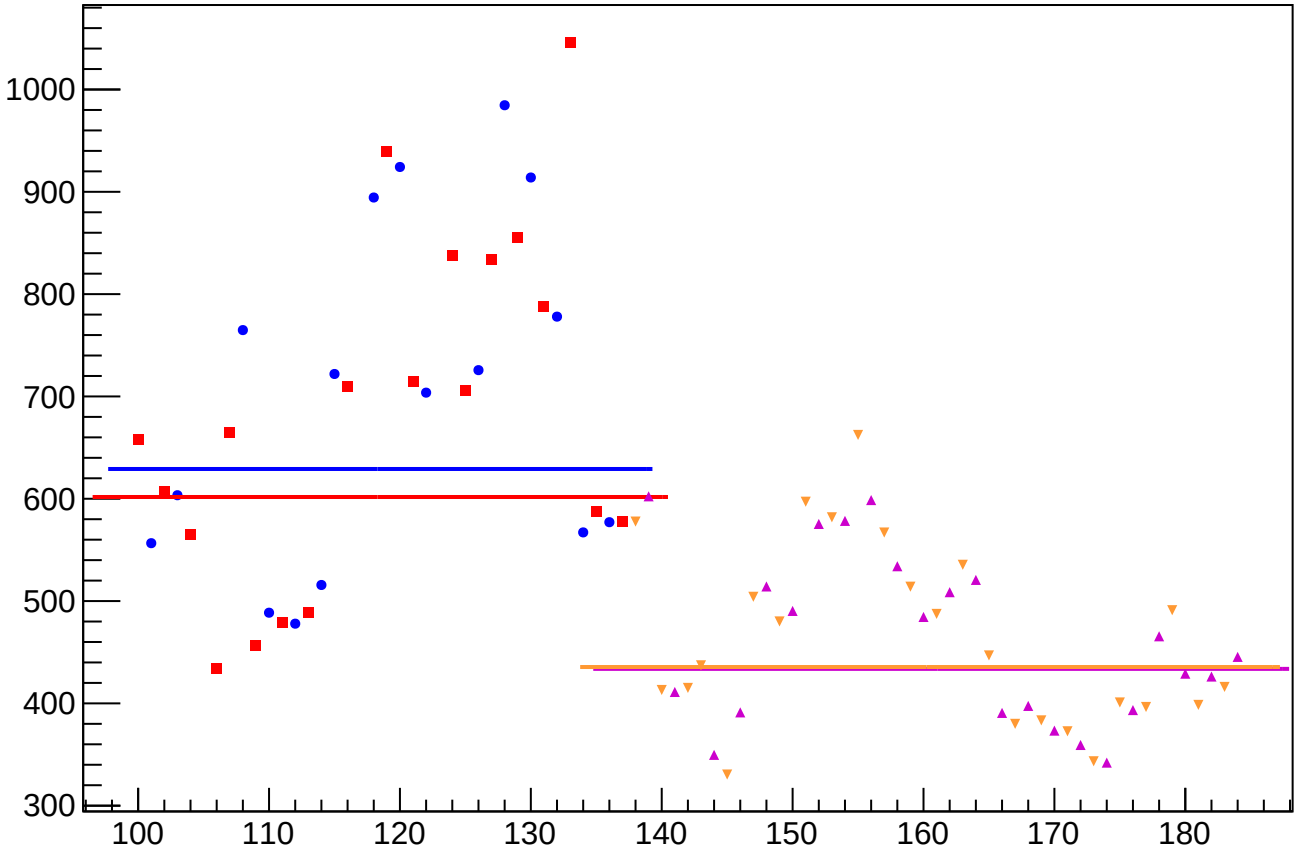
+ sign 50.122+/-0.007 χ^2/NDF: 1364954.0/39

All: 50.316+/-0.005 χ^2/NDF: 2690672.0/81

- sign 50.516+/-0.007 χ^2/NDF: 1324178.2/41


asym_sam_15_48_dd_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: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 462.232+/-93.609 χ²/NDF: 89.3/39
All: 308.674+/-66.335 χ²/NDF: 135.9/81
- sign 153.779+/-94.016 χ²/NDF: 41.2/41

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

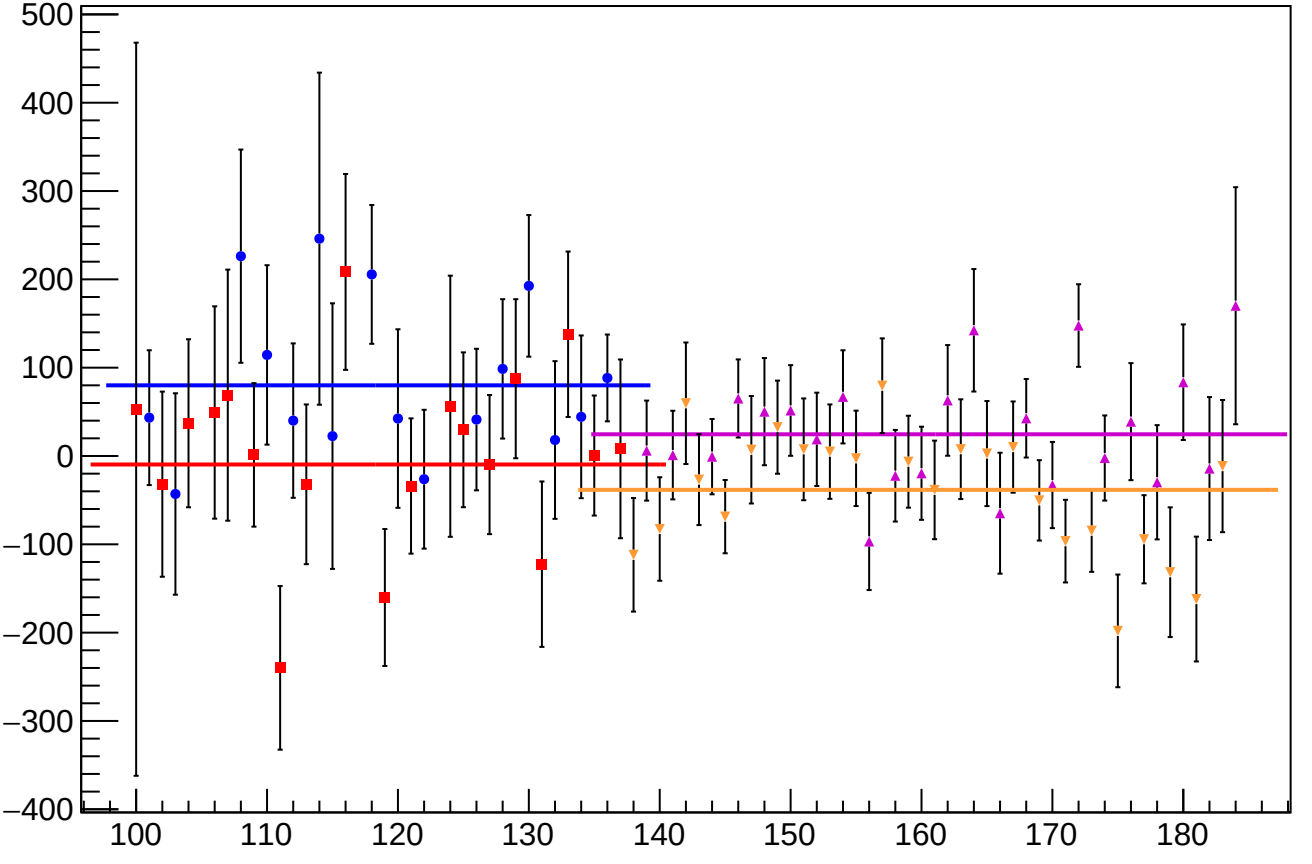
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

\+ sign 464.683+/-0.066 χ^2/NDF: 3006317.5/39

All: 463.396+/-0.047 χ^2/NDF: 5872406.5/81

\- sign 462.099+/-0.066 χ^2/NDF: 2865330.6/41

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

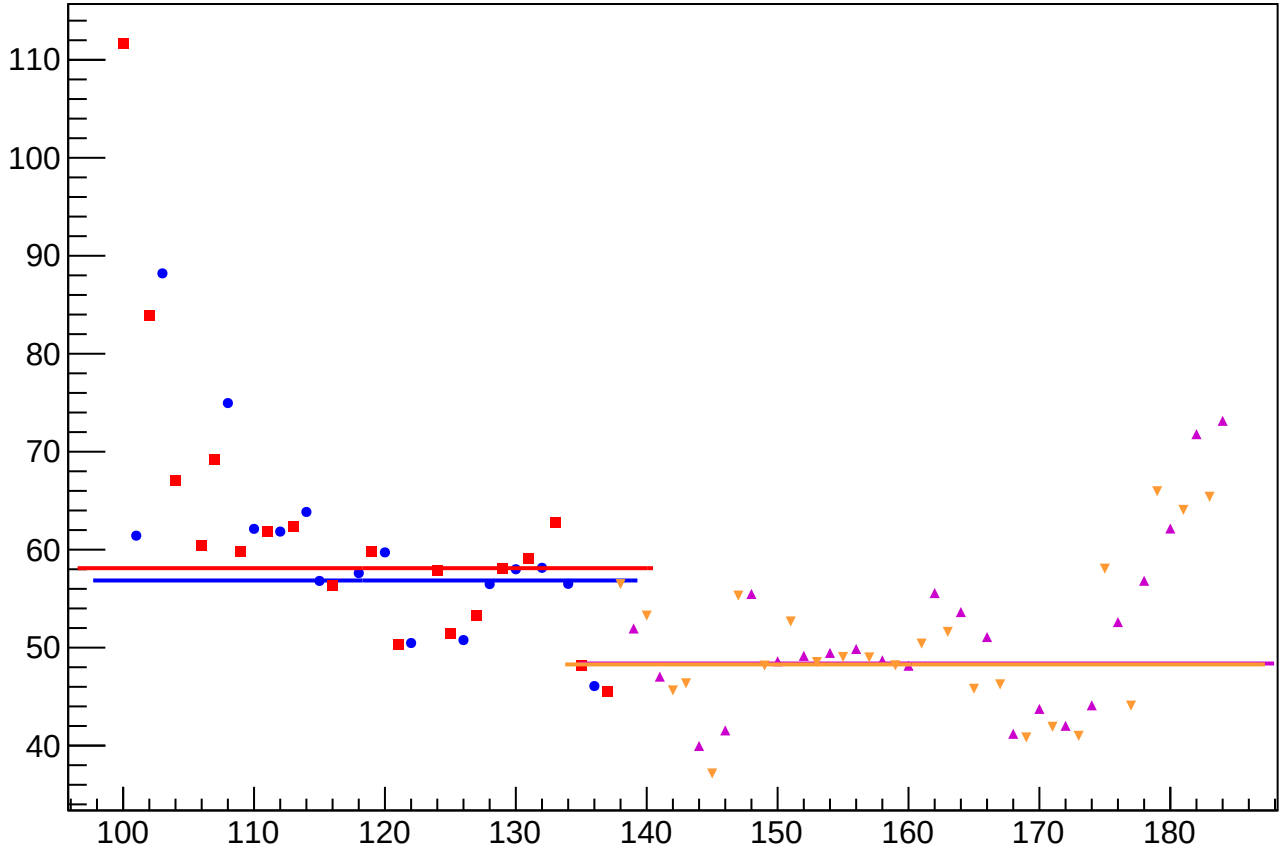
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -12.957+/-9.942 χ^2/NDF: 66.2/39

All: 1.768+/-7.097 χ^2/NDF: 118.7/81

\- sign 17.068+/-10.134 χ^2/NDF: 48.1/41

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

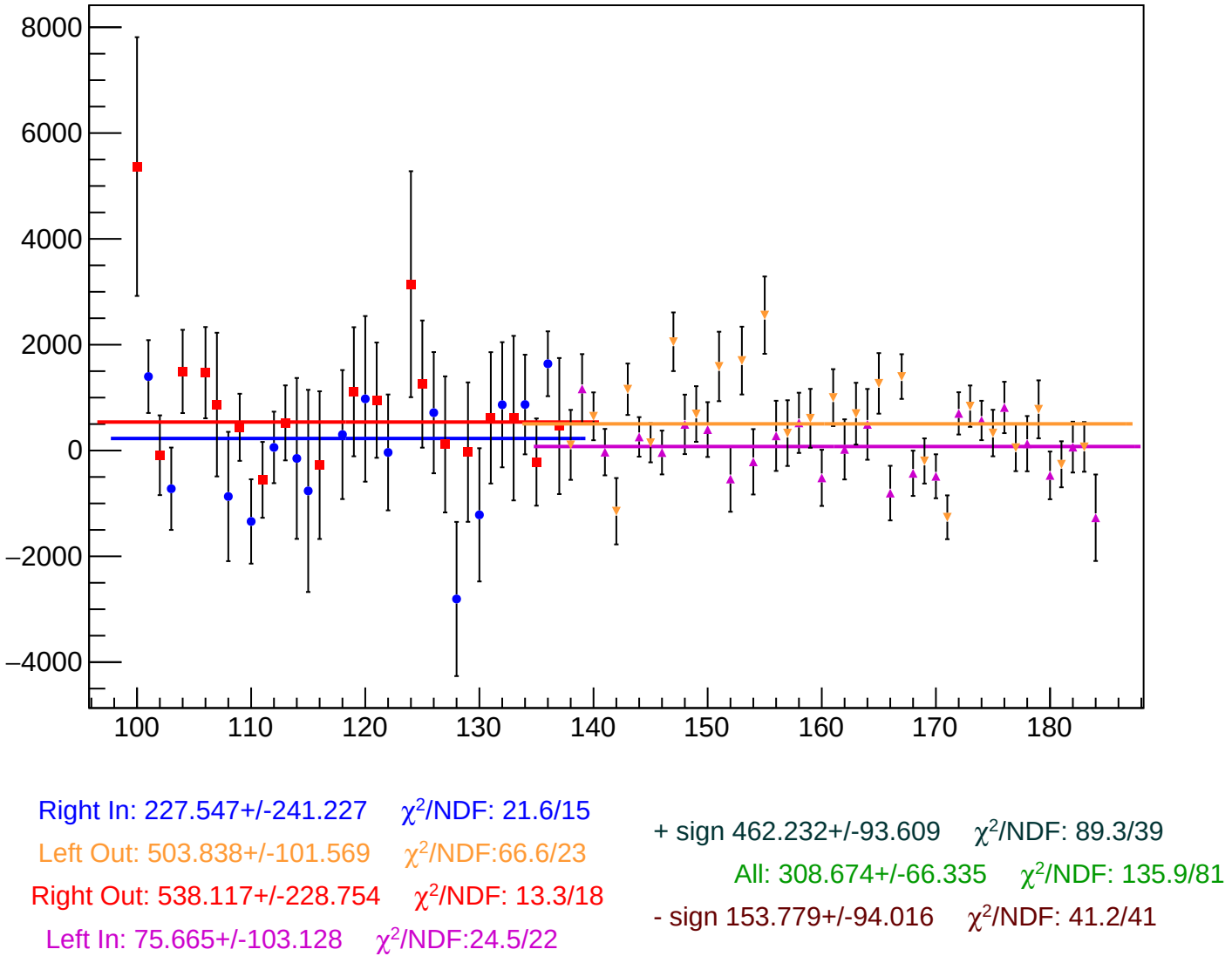
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

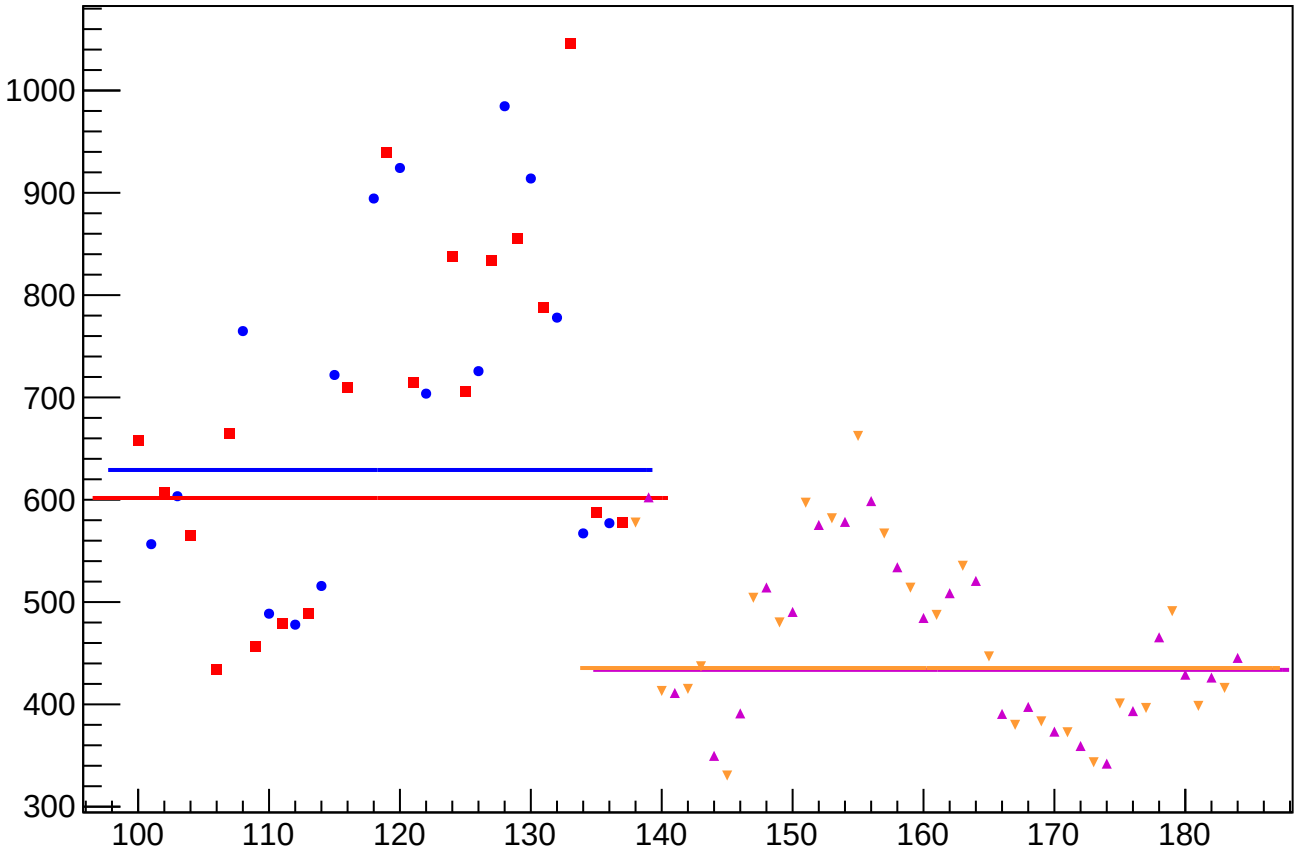
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.122+/-0.007 χ^2/NDF: 1364954.0/39

All: 50.316+/-0.005 χ^2/NDF: 2690672.0/81

- sign 50.516+/-0.007 χ^2/NDF: 1324178.2/41


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: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 462.232+/-93.609 χ²/NDF: 89.3/39
All: 308.674+/-66.335 χ²/NDF: 135.9/81
- sign 153.779+/-94.016 χ²/NDF: 41.2/41



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

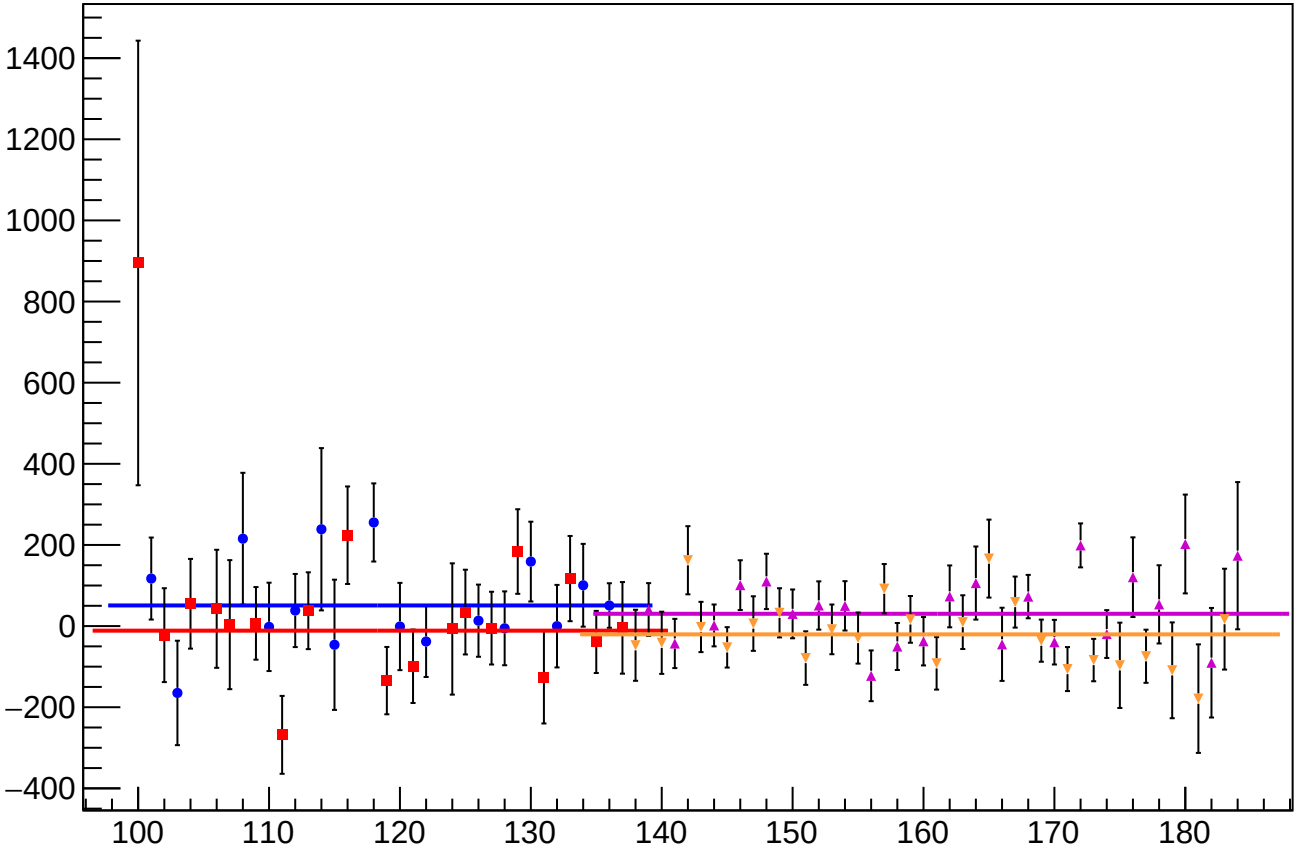
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 464.683+/-0.066 χ^2/NDF: 3006317.5/39

All: 463.396+/-0.047 χ^2/NDF: 5872406.5/81

- sign 462.099+/-0.066 χ^2/NDF: 2865330.6/41

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

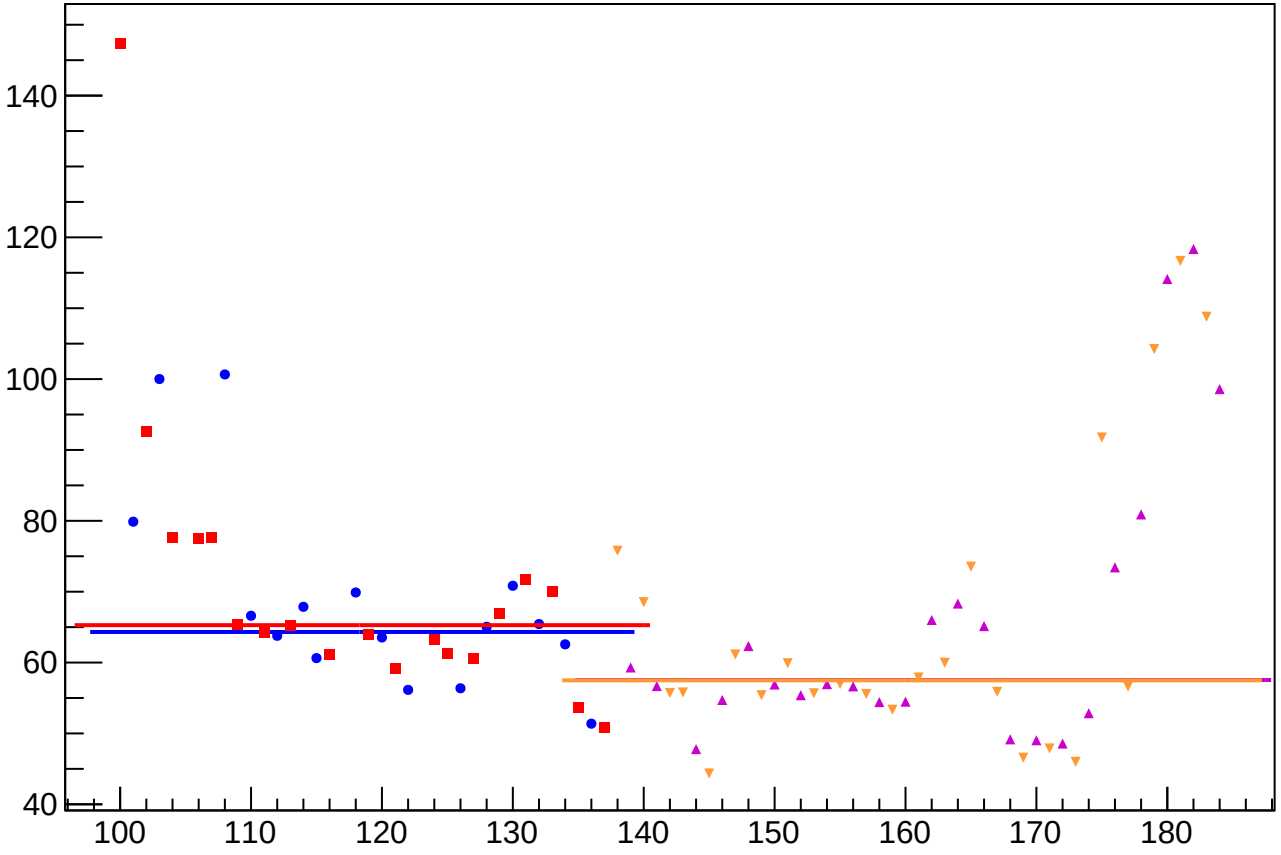
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.455+/-11.946 χ^2/NDF: 45.4/39

All: 8.101+/-8.508 χ^2/NDF: 106.1/81

- sign 19.995+/-12.120 χ^2/NDF: 58.8/41

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

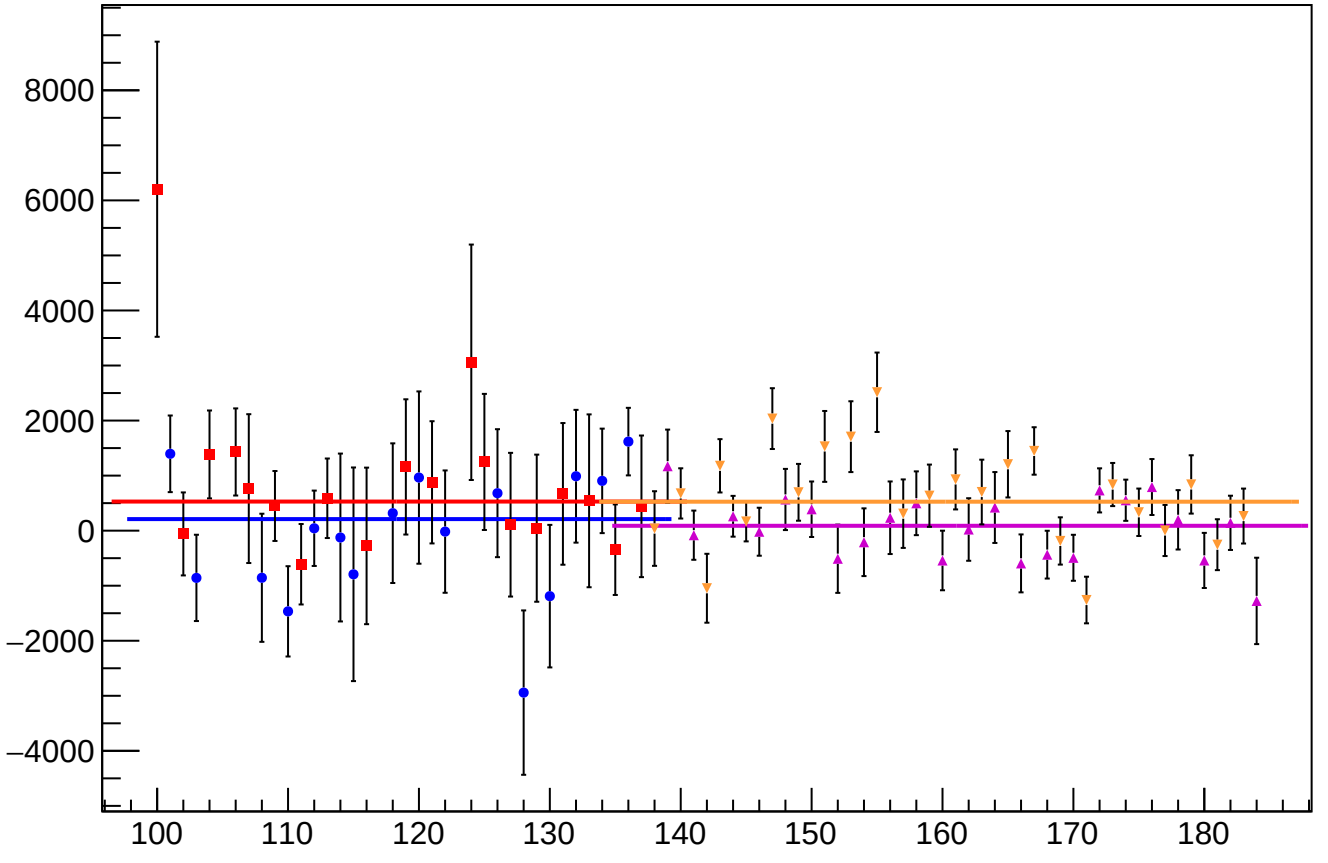
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 59.114+/-0.008 χ^2/NDF: 2445106.8/39

All: 59.285+/-0.006 χ^2/NDF: 4360500.0/81

- sign 59.460+/-0.009 χ^2/NDF: 1914566.2/41

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

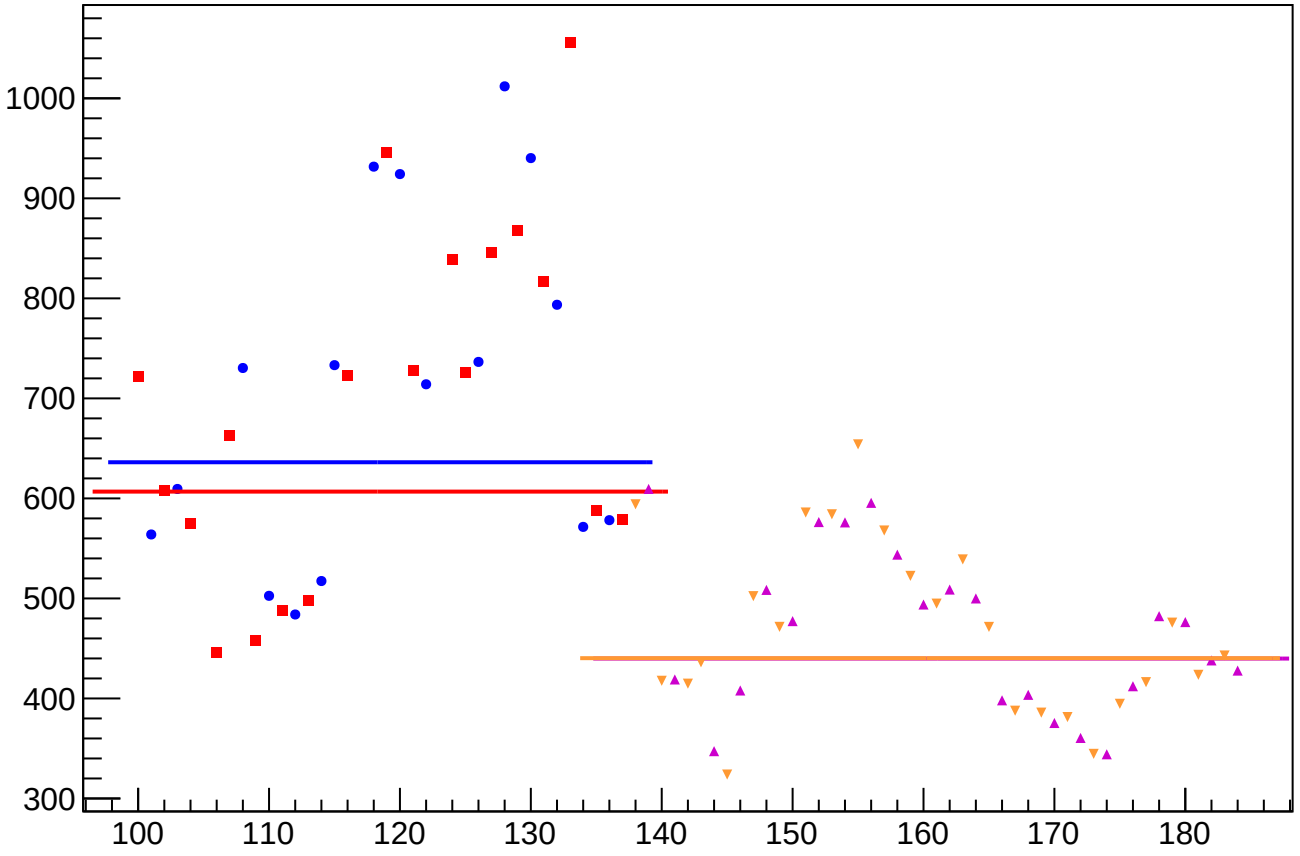
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 478.671+/-94.514 χ^2/NDF: 87.4/39

All: 322.398+/-67.055 χ^2/NDF: 133.0/81

- sign 164.019+/-95.149 χ^2/NDF: 40.2/41

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

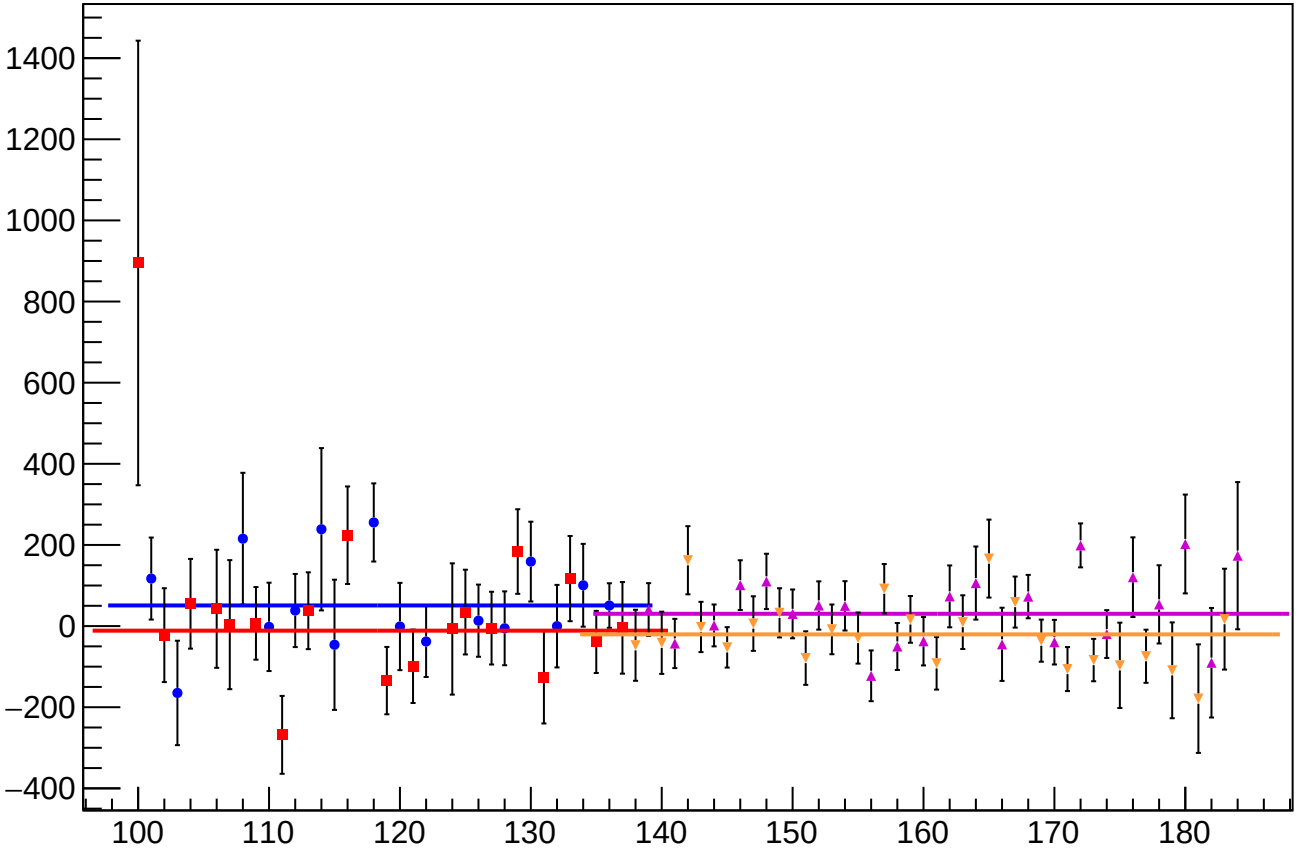
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 469.707+/-0.067 χ^2/NDF: 2998734.9/39

All: 469.120+/-0.047 χ^2/NDF: 5829794.4/81

- sign 468.525+/-0.067 χ^2/NDF: 2830904.2/41

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

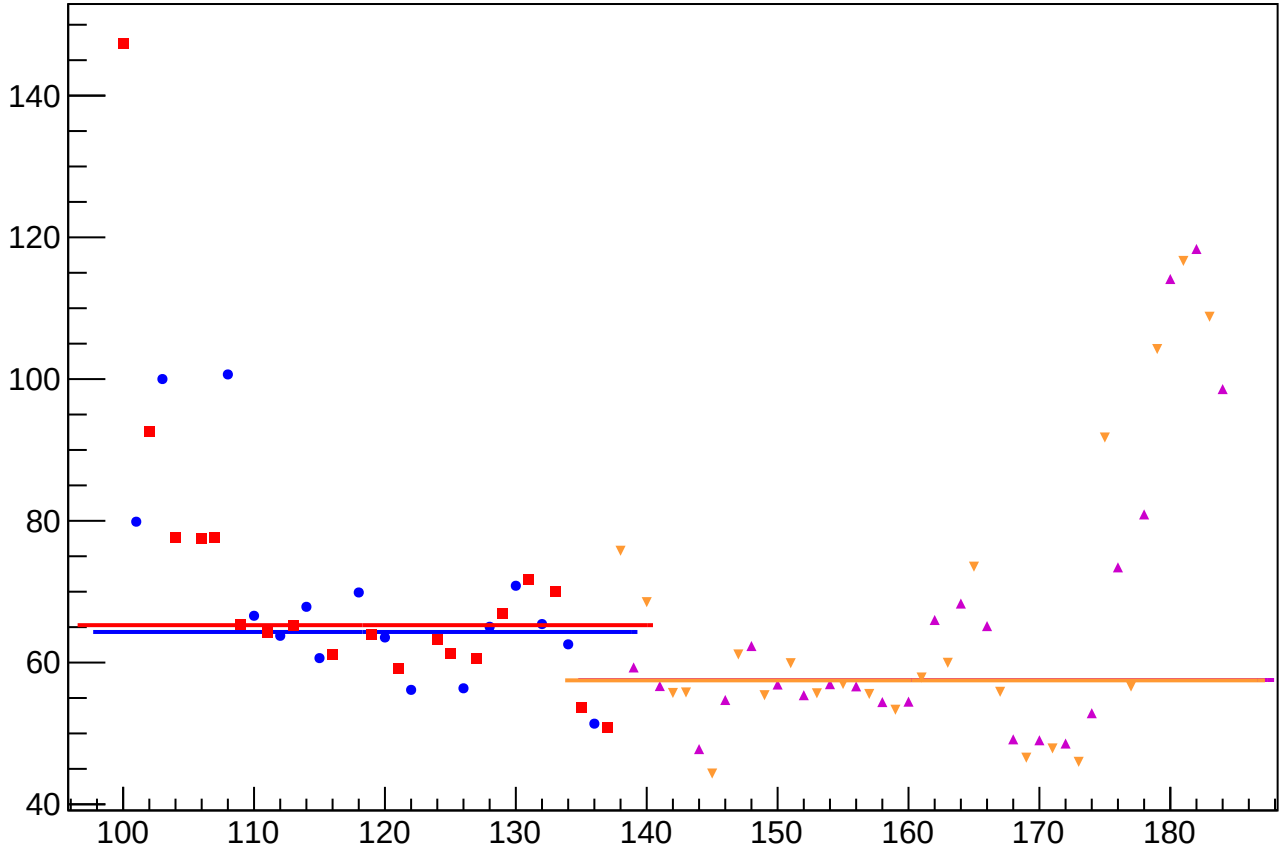
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.456+/-11.946 χ^2/NDF: 45.4/39

All: 8.101+/-8.508 χ^2/NDF: 106.1/81

- sign 19.995+/-12.120 χ^2/NDF: 58.8/41

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

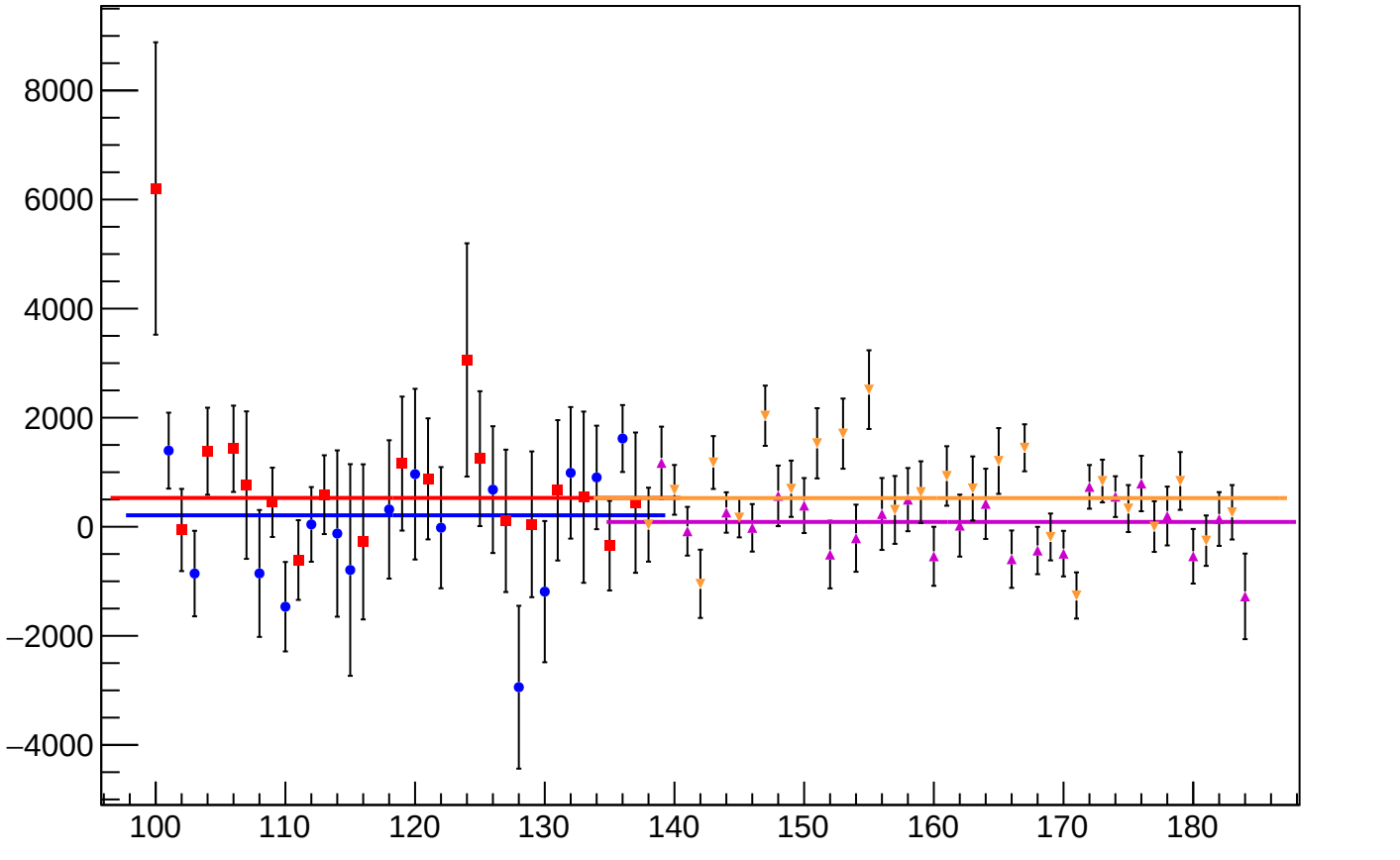
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 59.115+/-0.008 χ^2/NDF: 2445097.6/39

All: 59.285+/-0.006 χ^2/NDF: 4360469.4/81

- sign 59.461+/-0.009 χ^2/NDF: 1914545.1/41



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 526.188+/-102.532 χ^2/NDF:63.5/23

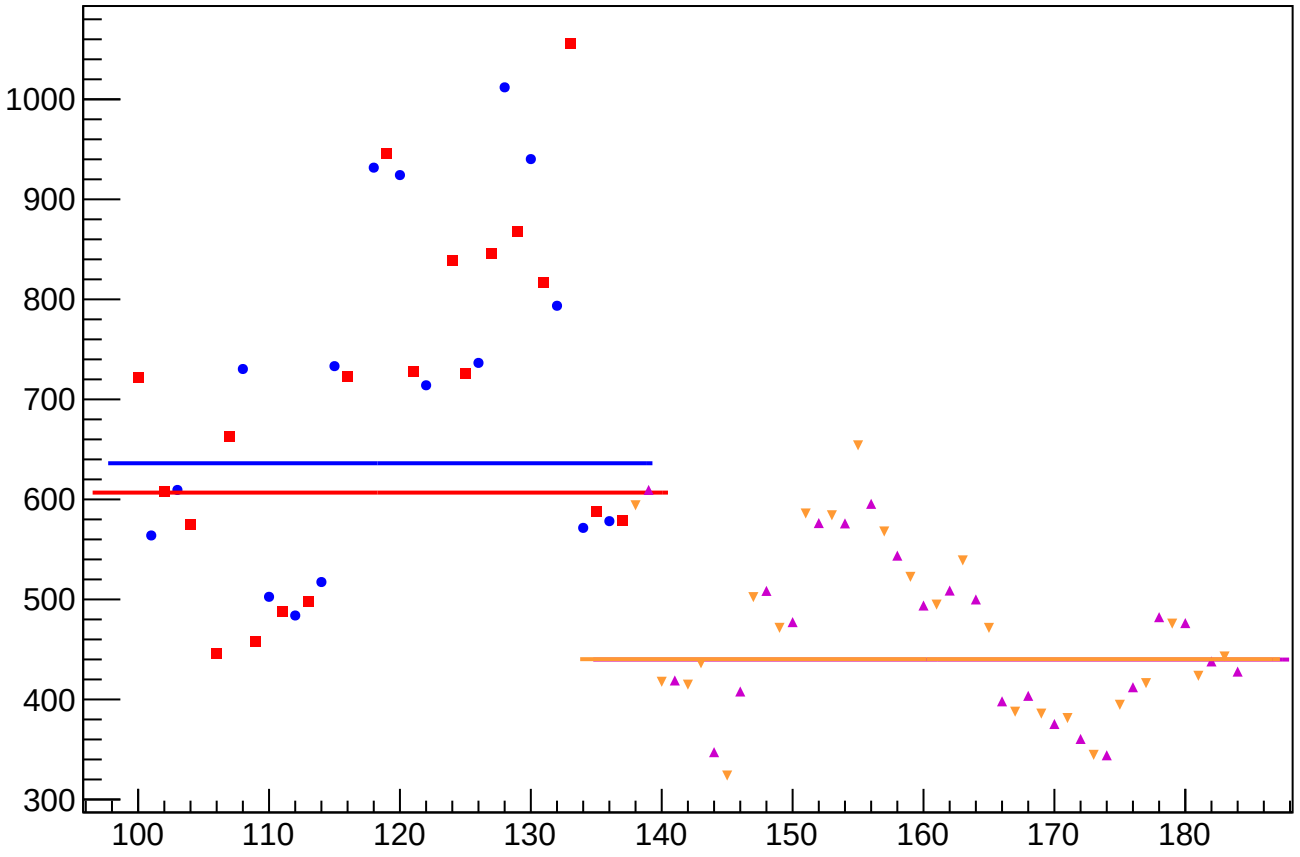
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 478.670+/-94.514 χ^2/NDF: 87.4/39

All: 322.397+/-67.055 χ^2/NDF: 133.0/81

- sign 164.018+/-95.149 χ^2/NDF: 40.2/41



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

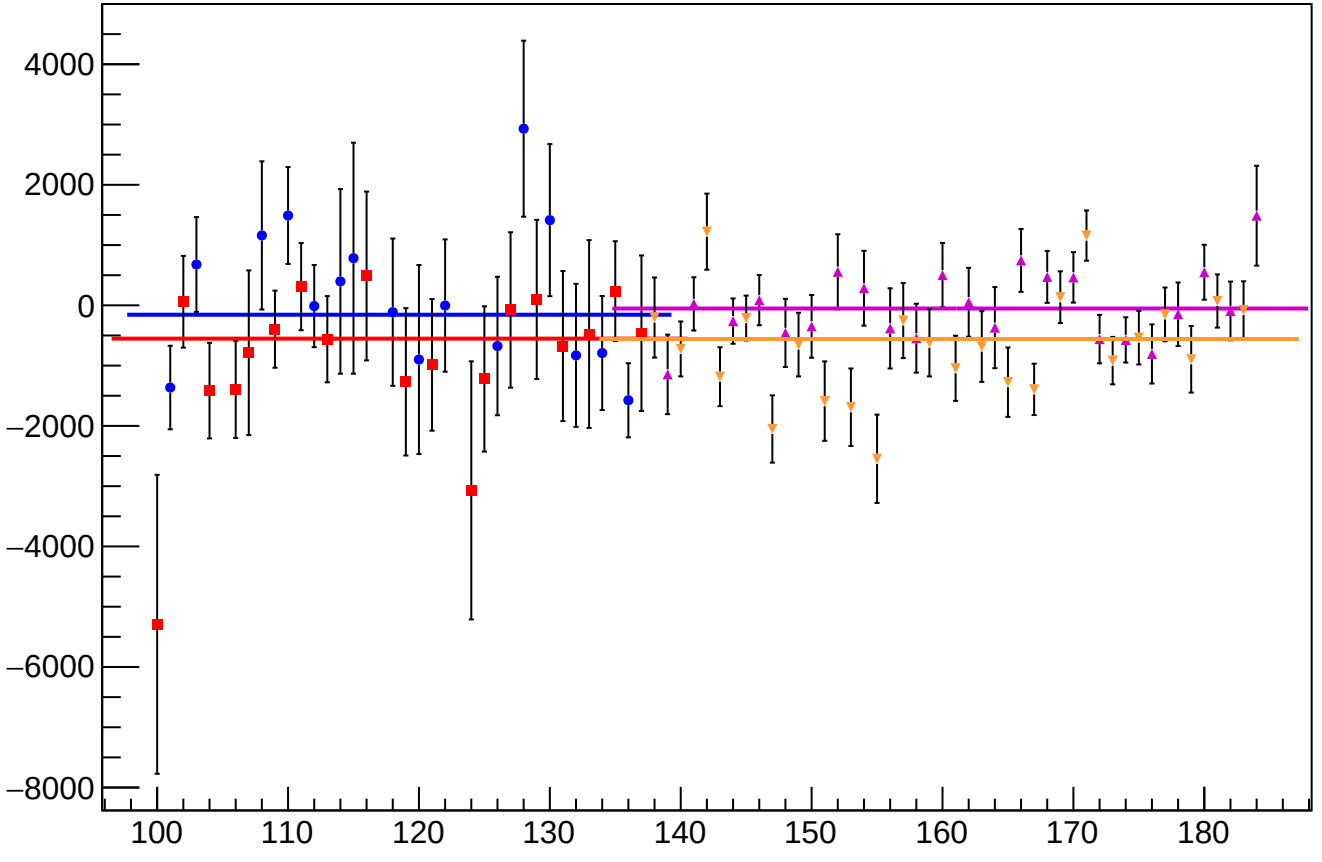
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 469.706+/-0.067 χ^2/NDF: 2998752.6/39

All: 469.119+/-0.047 χ^2/NDF: 5829828.1/81

- sign 468.524+/-0.067 χ^2/NDF: 2830920.1/41

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

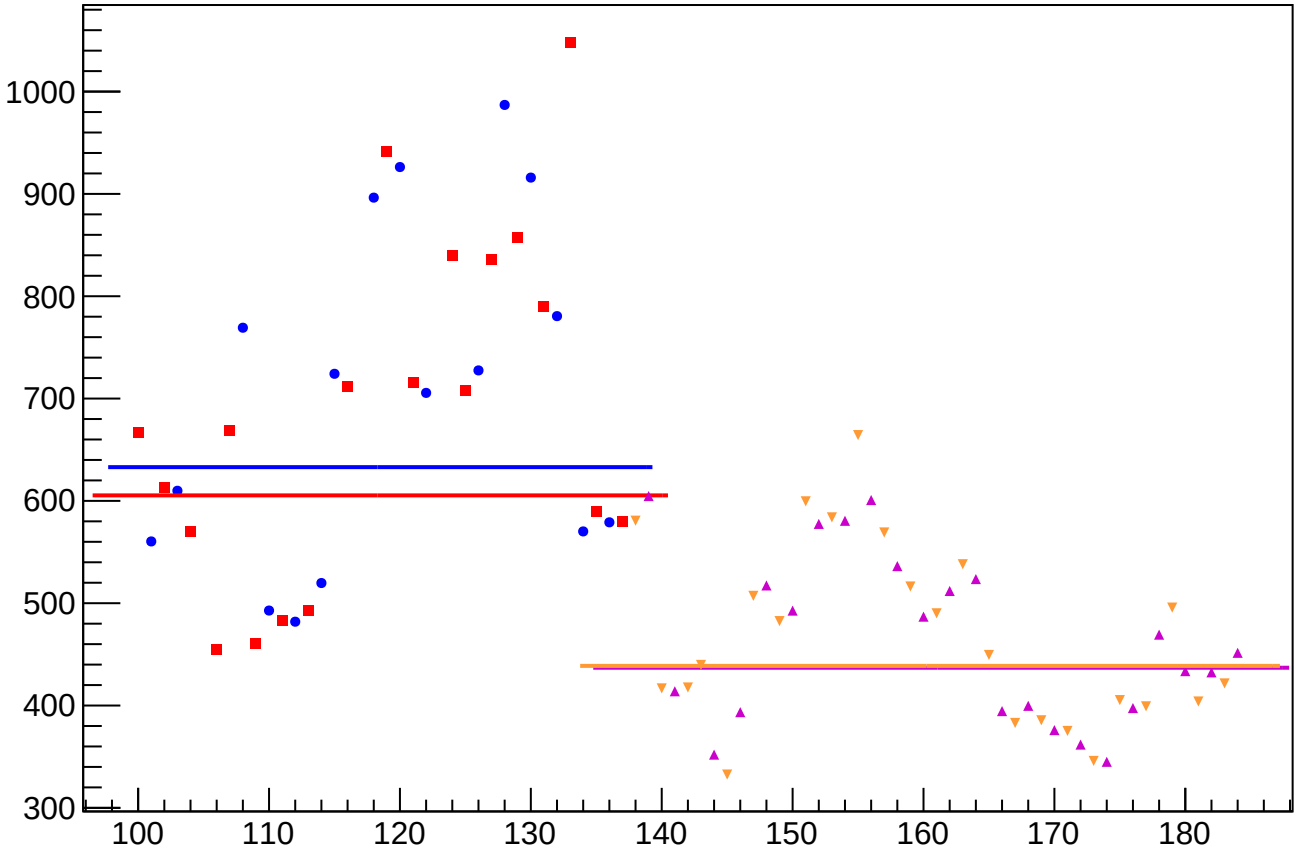
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -497.685+/-94.258 χ^2/NDF: 87.0/39

All: -318.404+/-66.766 χ^2/NDF: 134.4/81

- sign -137.873+/-94.586 χ^2/NDF: 40.2/41

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

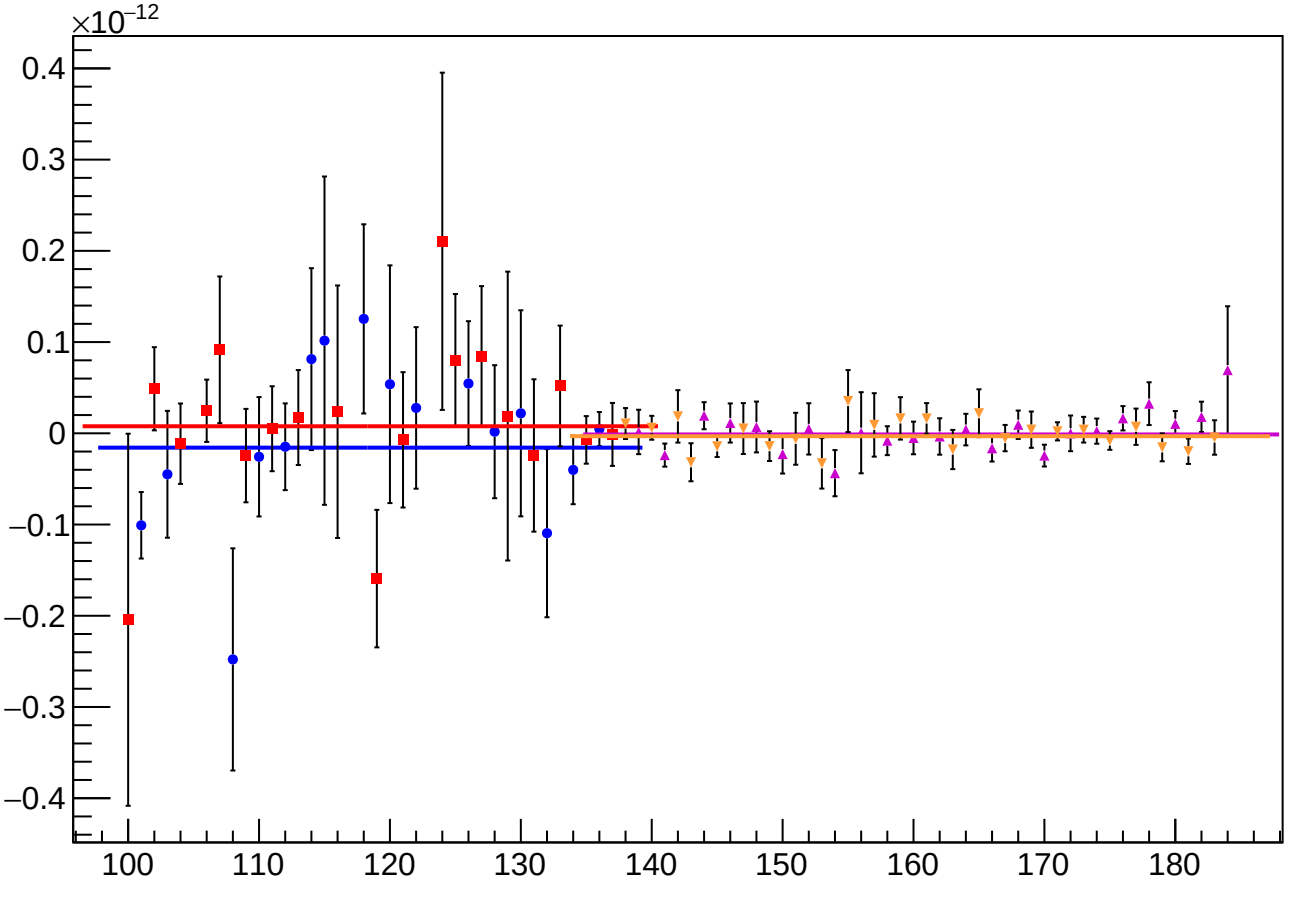
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 468.076+/-0.067 χ^2/NDF: 2972870.2/39

All: 466.892+/-0.047 χ^2/NDF: 5805630.0/81

- sign 465.701+/-0.067 χ^2/NDF: 2832126.9/41



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

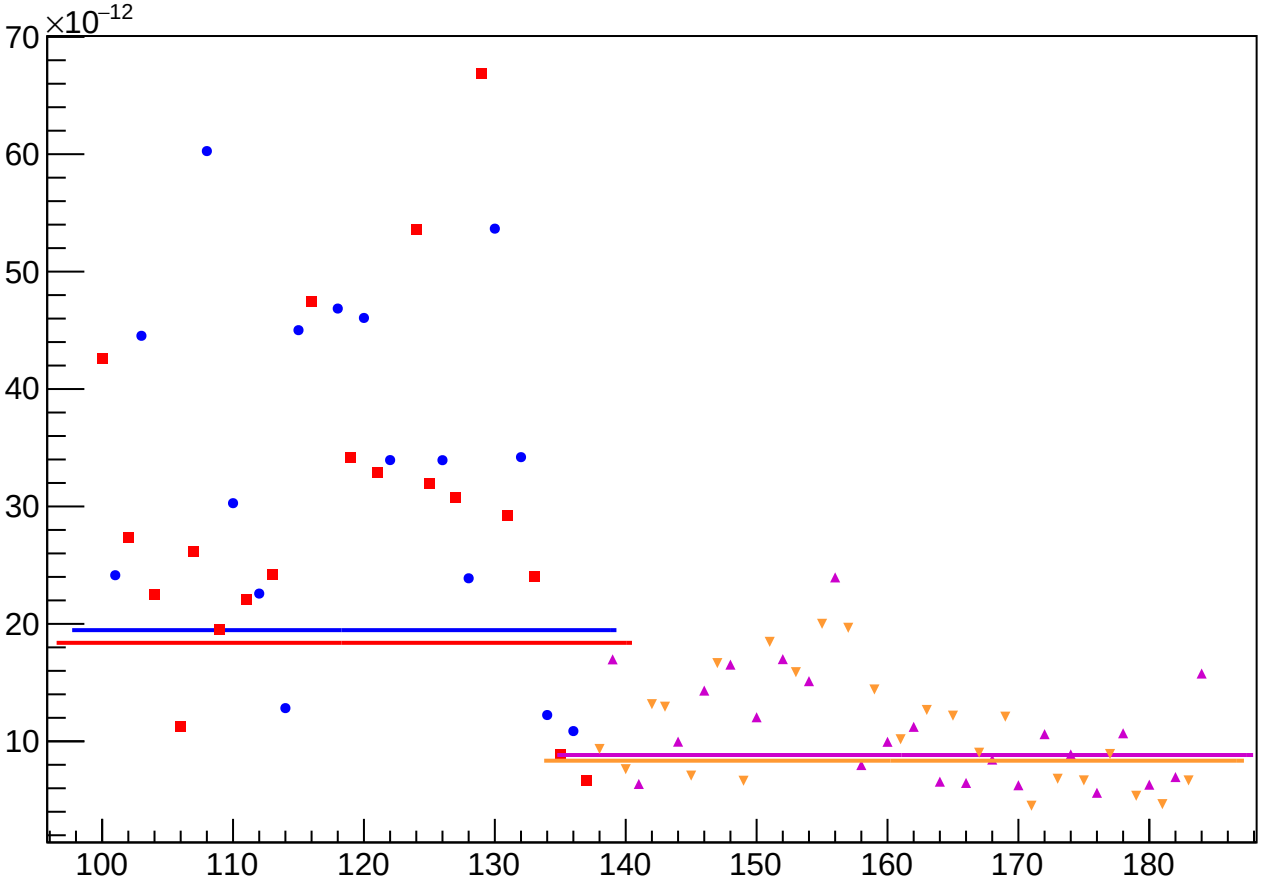
Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/39

All: -0.000+/-0.000 χ^2/NDF: 68.1/81

- sign -0.000+/-0.000 χ^2/NDF: 35.5/41

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

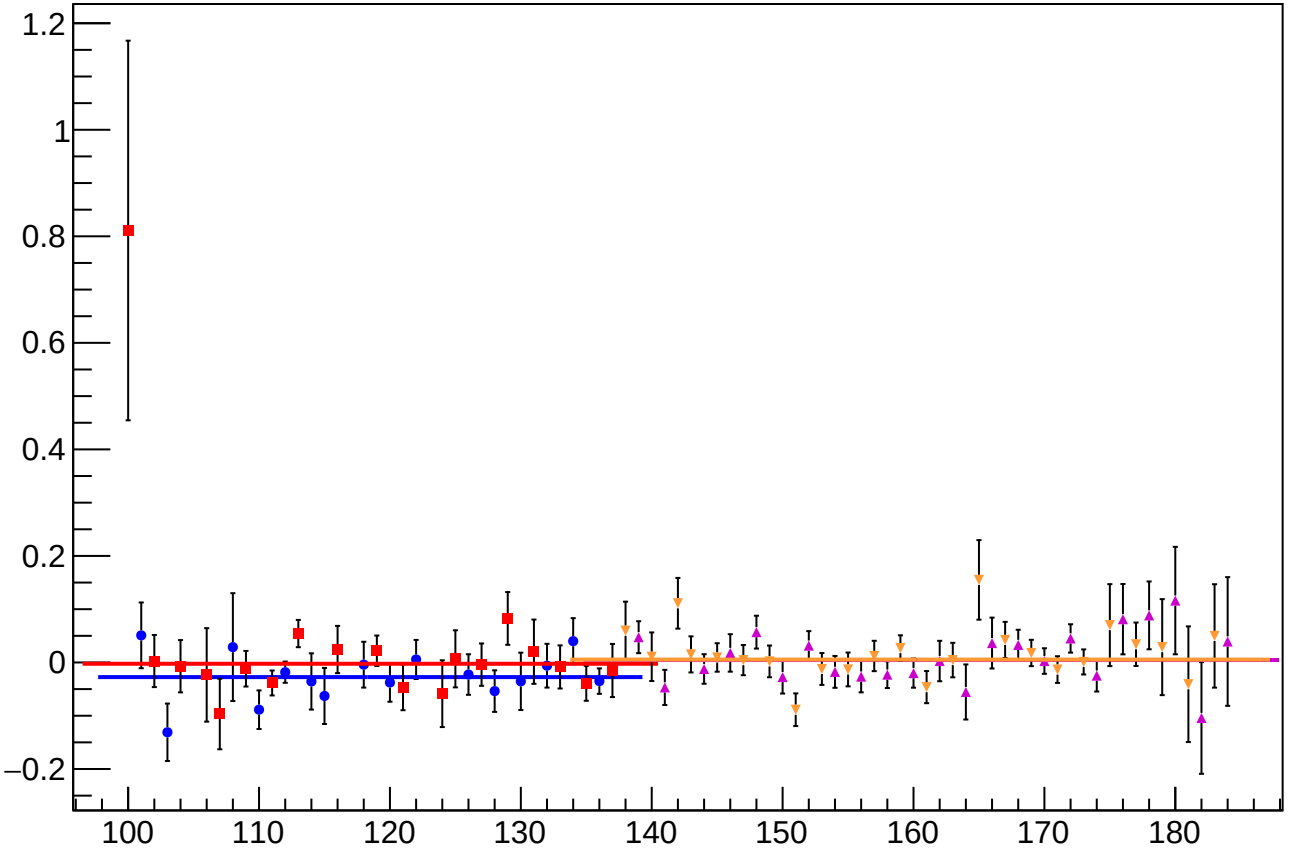
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5389322.3/39

All: 0.000+/-0.000 χ^2/NDF: 9632703.0/81

- sign 0.000+/-0.000 χ^2/NDF: 4220668.7/41

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

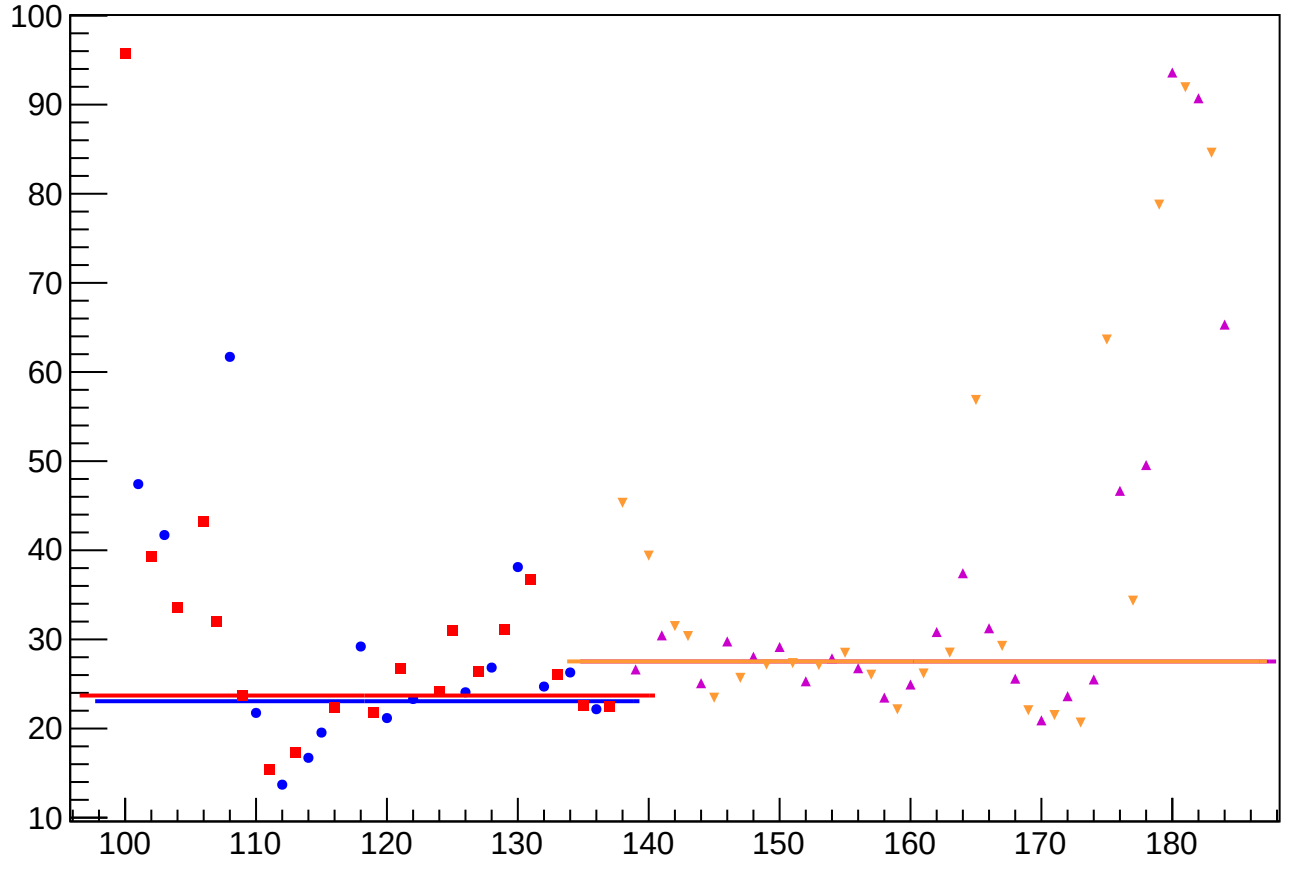
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

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

All: -0.002+/-0.004 χ^2/NDF: 98.0/81

- sign 0.002+/-0.006 χ^2/NDF: 47.6/41



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782370.3/23

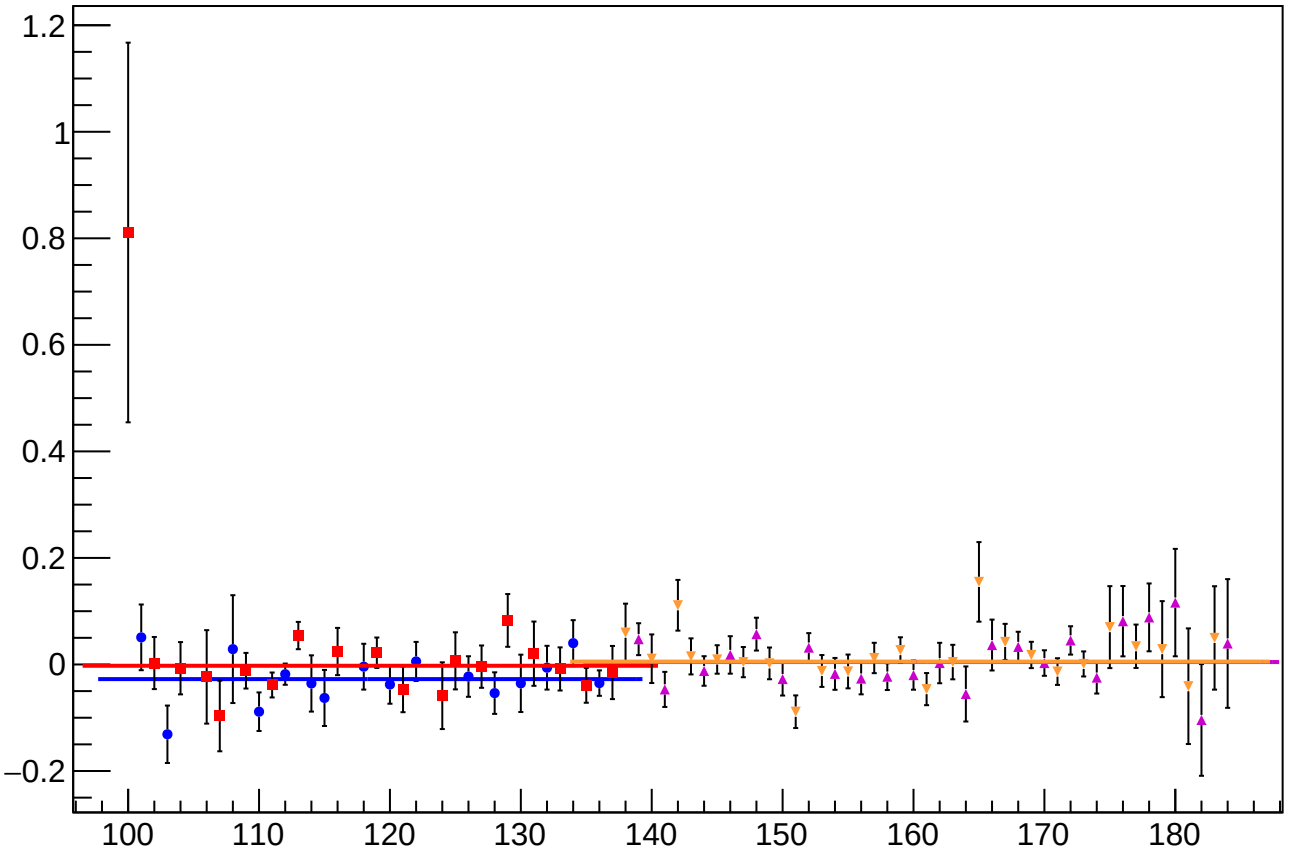
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 25.978+/-0.004 χ^2/NDF: 5641509.7/39

All: 26.061+/-0.003 χ^2/NDF: 9581706.0/81

- sign 26.145+/-0.004 χ^2/NDF: 3939294.8/41



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

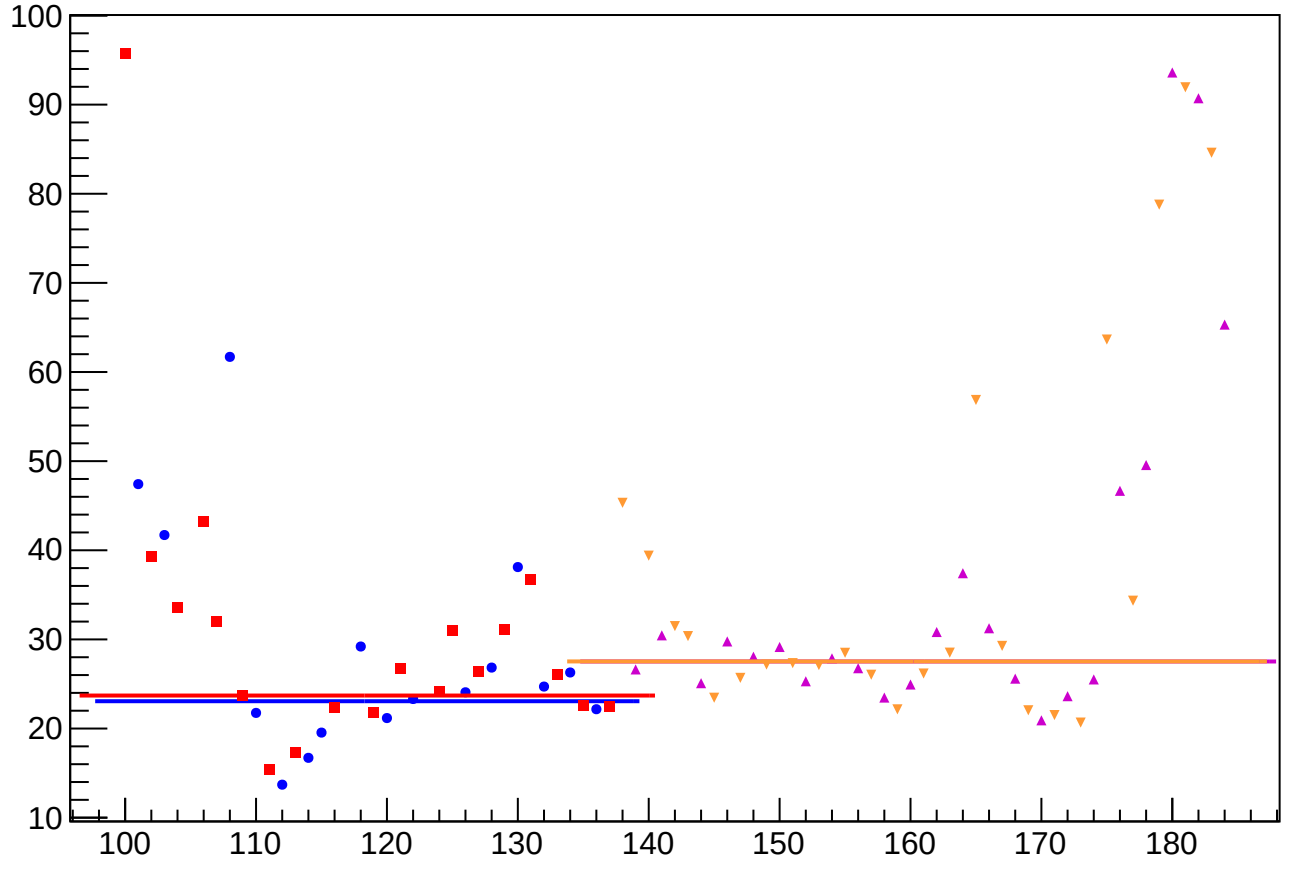
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

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

All: -0.002+/-0.004 χ^2/NDF: 98.0/81

- sign 0.002+/-0.006 χ^2/NDF: 47.6/41



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782370.3/23

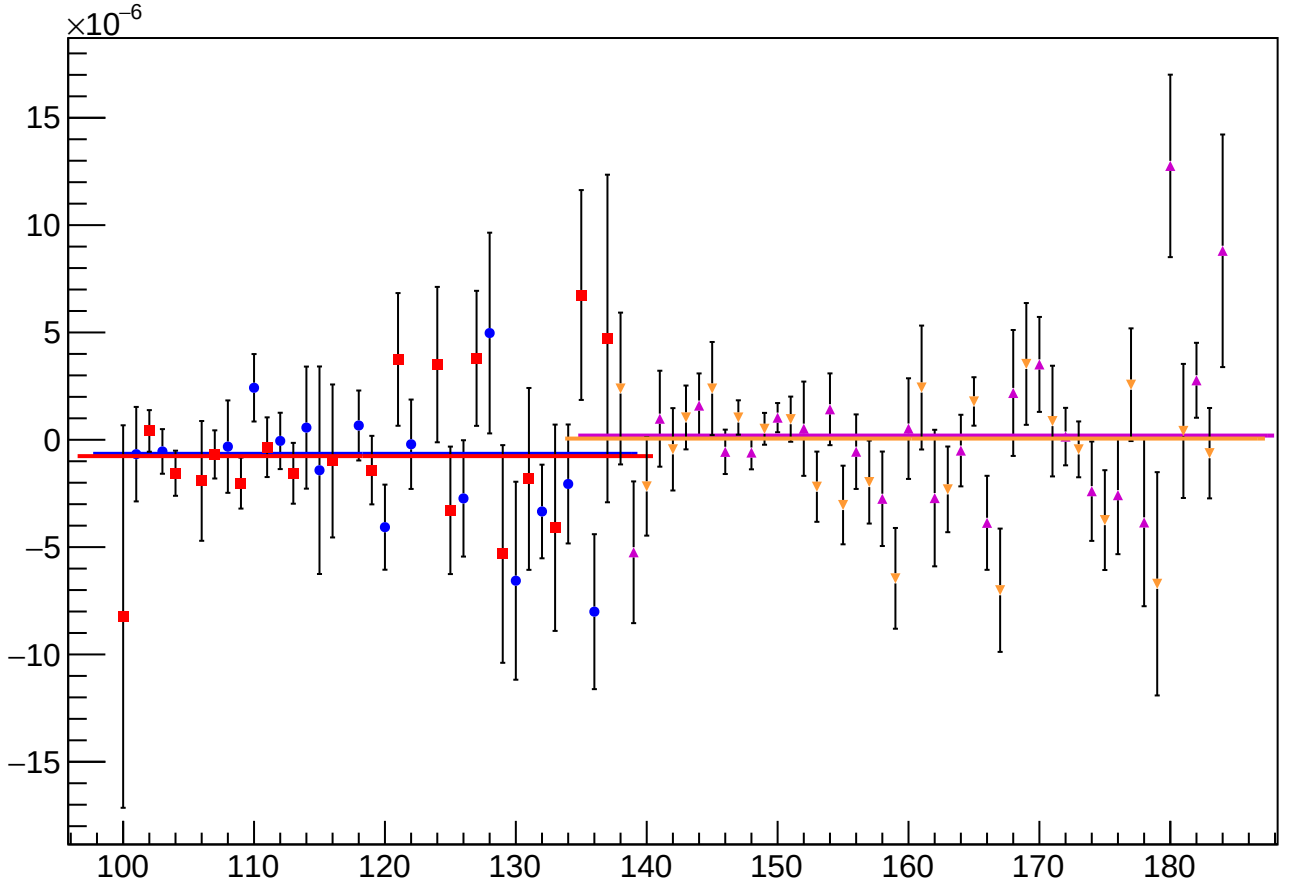
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 25.978+/-0.004 χ^2/NDF: 5641509.7/39

All: 26.061+/-0.003 χ^2/NDF: 9581706.0/81

- sign 26.145+/-0.004 χ^2/NDF: 3939294.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.8/23

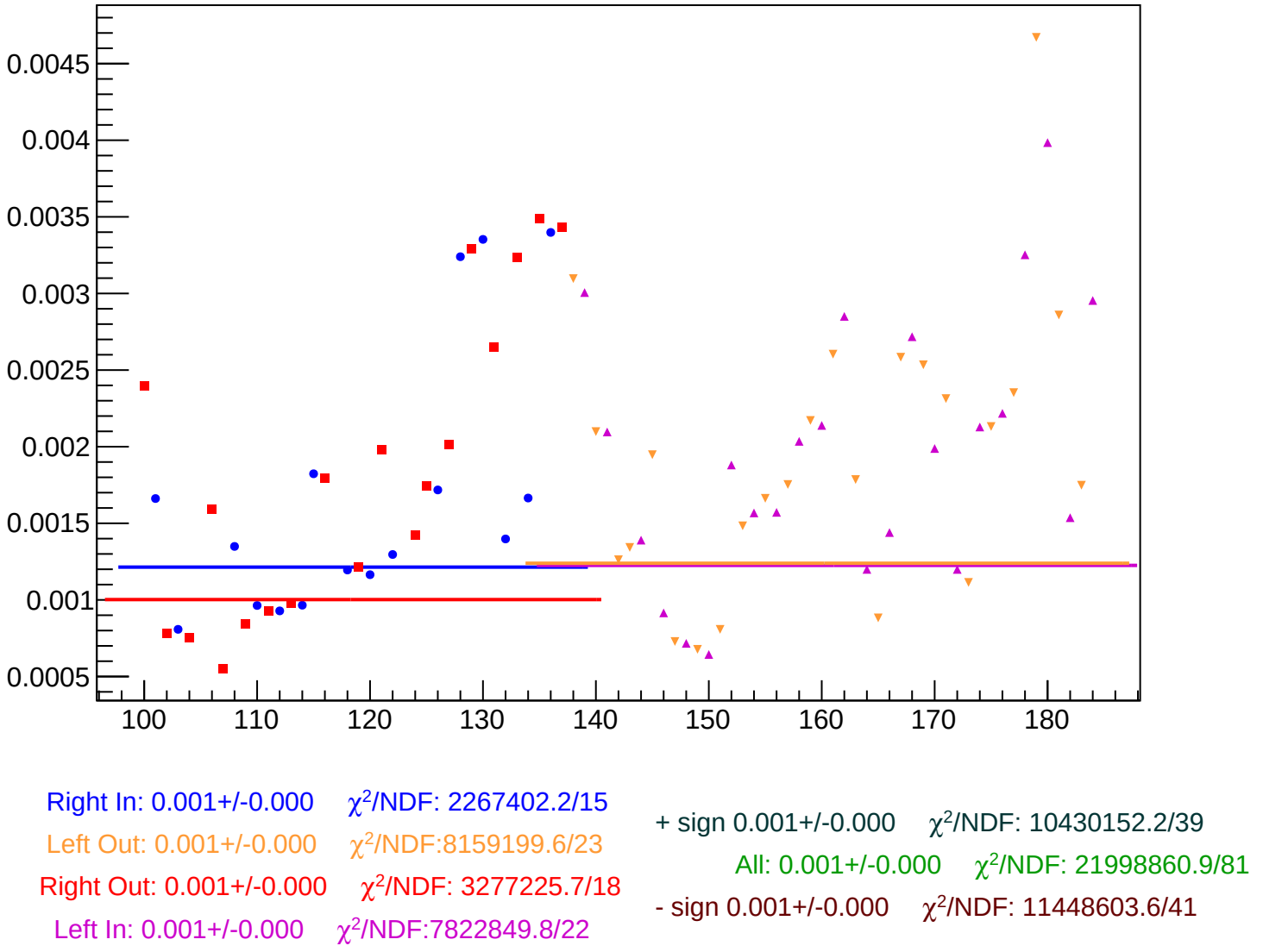
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

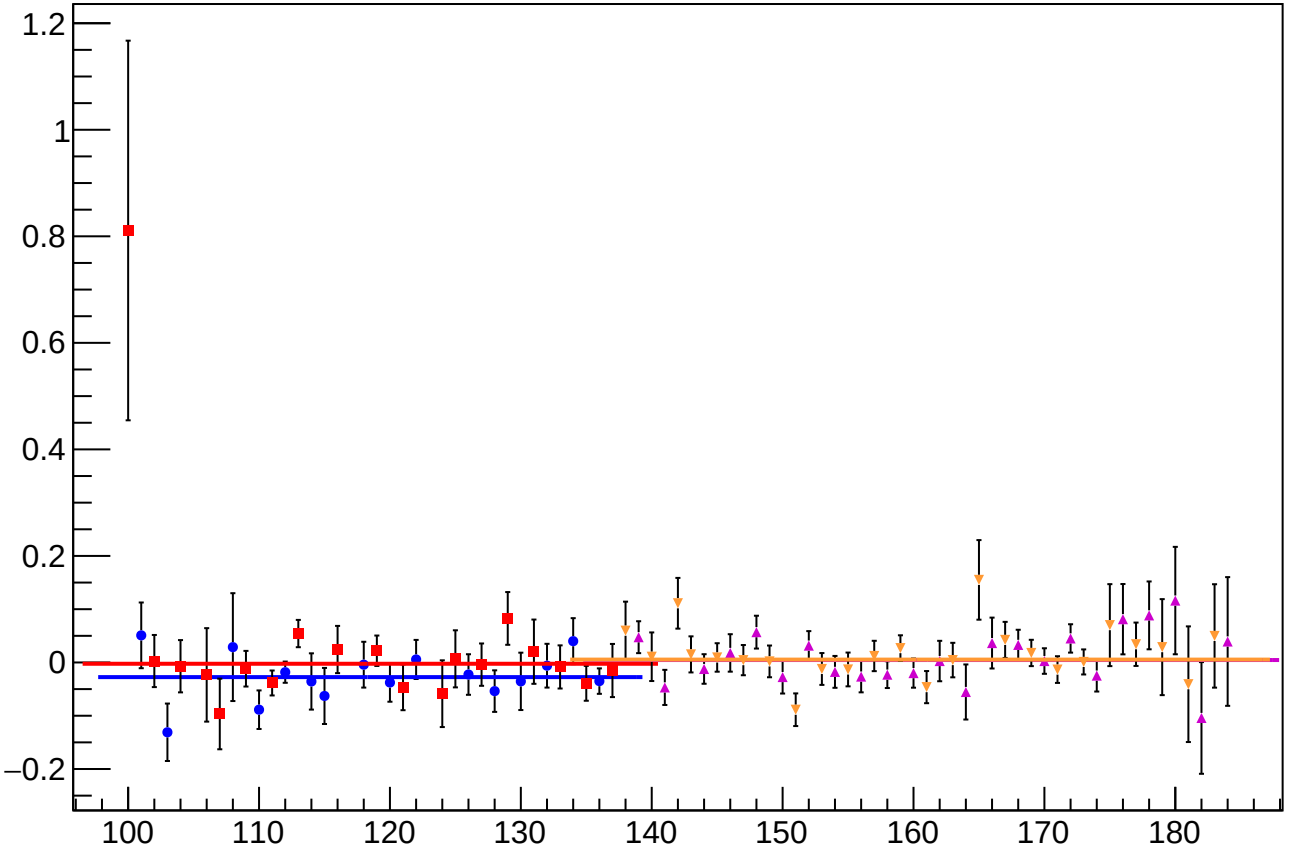
+ sign -0.000+/-0.000 χ^2/NDF: 55.8/39

All: -0.000+/-0.000 χ^2/NDF: 107.5/81

- sign -0.000+/-0.000 χ^2/NDF: 51.7/41


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:7822849.8/22
+ sign 0.001+/-0.000 χ²/NDF: 10430152.2/39
All: 0.001+/-0.000 χ²/NDF: 21998860.9/81
- sign 0.001+/-0.000 χ²/NDF: 11448603.6/41

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

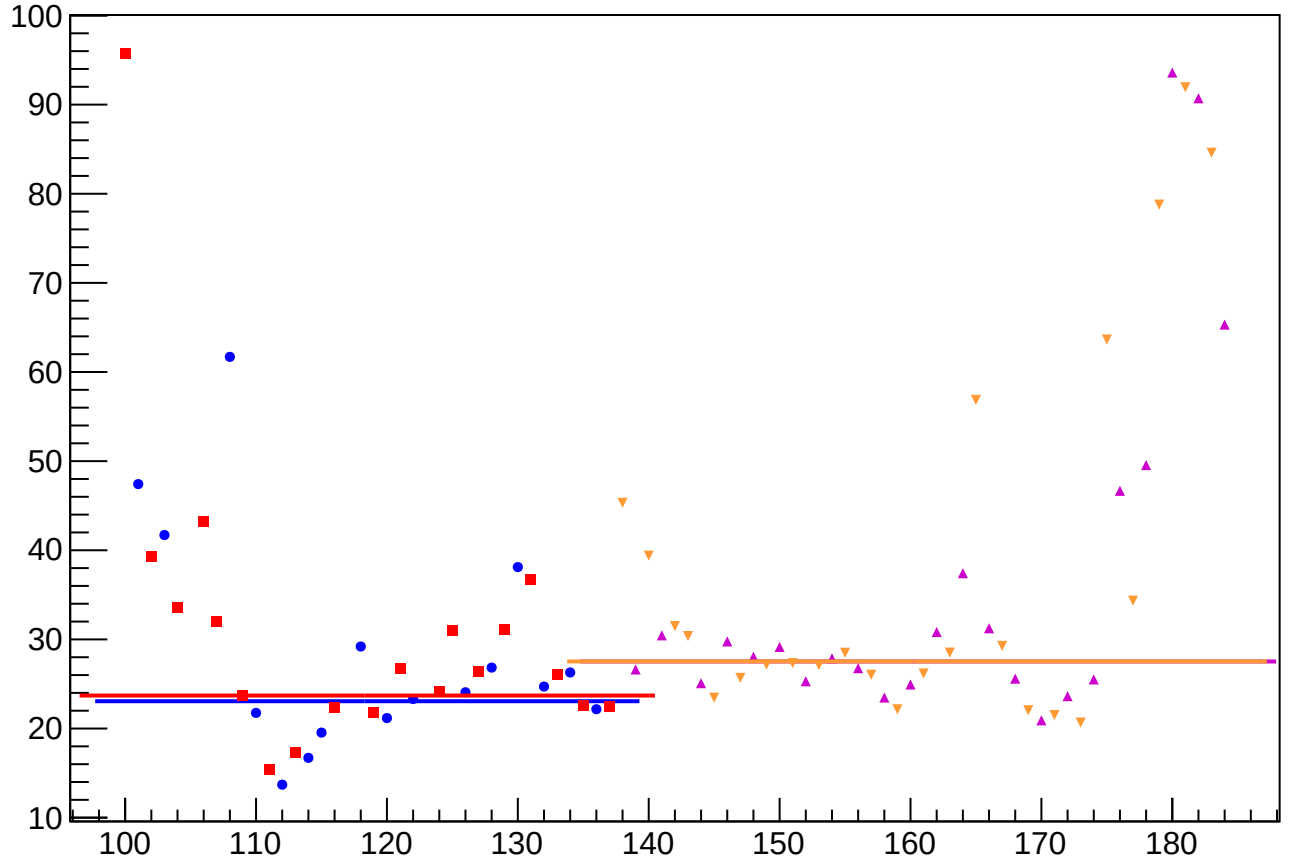
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

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

All: -0.002+/-0.004 χ^2/NDF: 98.0/81

- sign 0.002+/-0.006 χ^2/NDF: 47.6/41



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782317.8/23

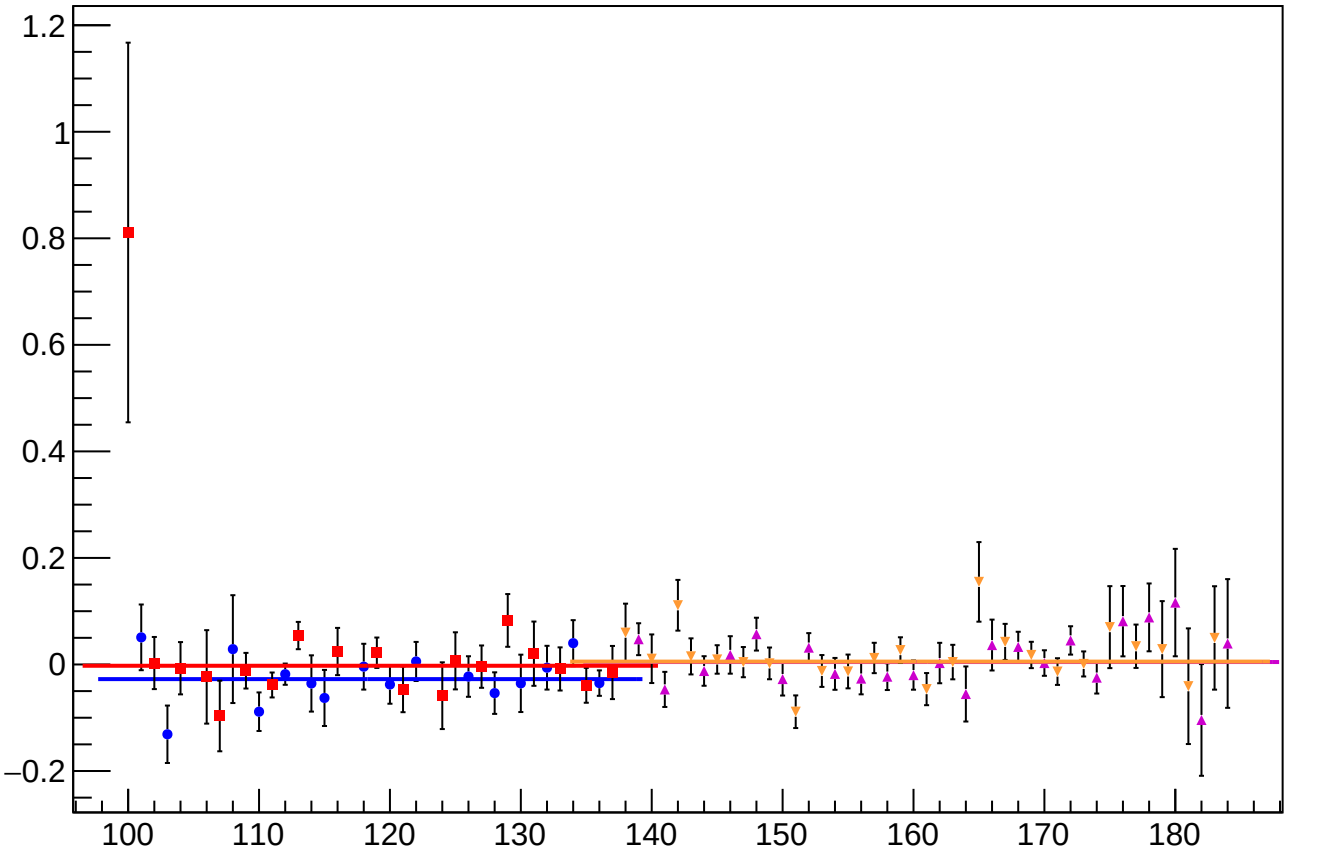
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 25.978+/-0.004 χ^2/NDF: 5641541.8/39

All: 26.061+/-0.003 χ^2/NDF: 9581792.8/81

- sign 26.145+/-0.004 χ^2/NDF: 3939350.5/41



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.7/23

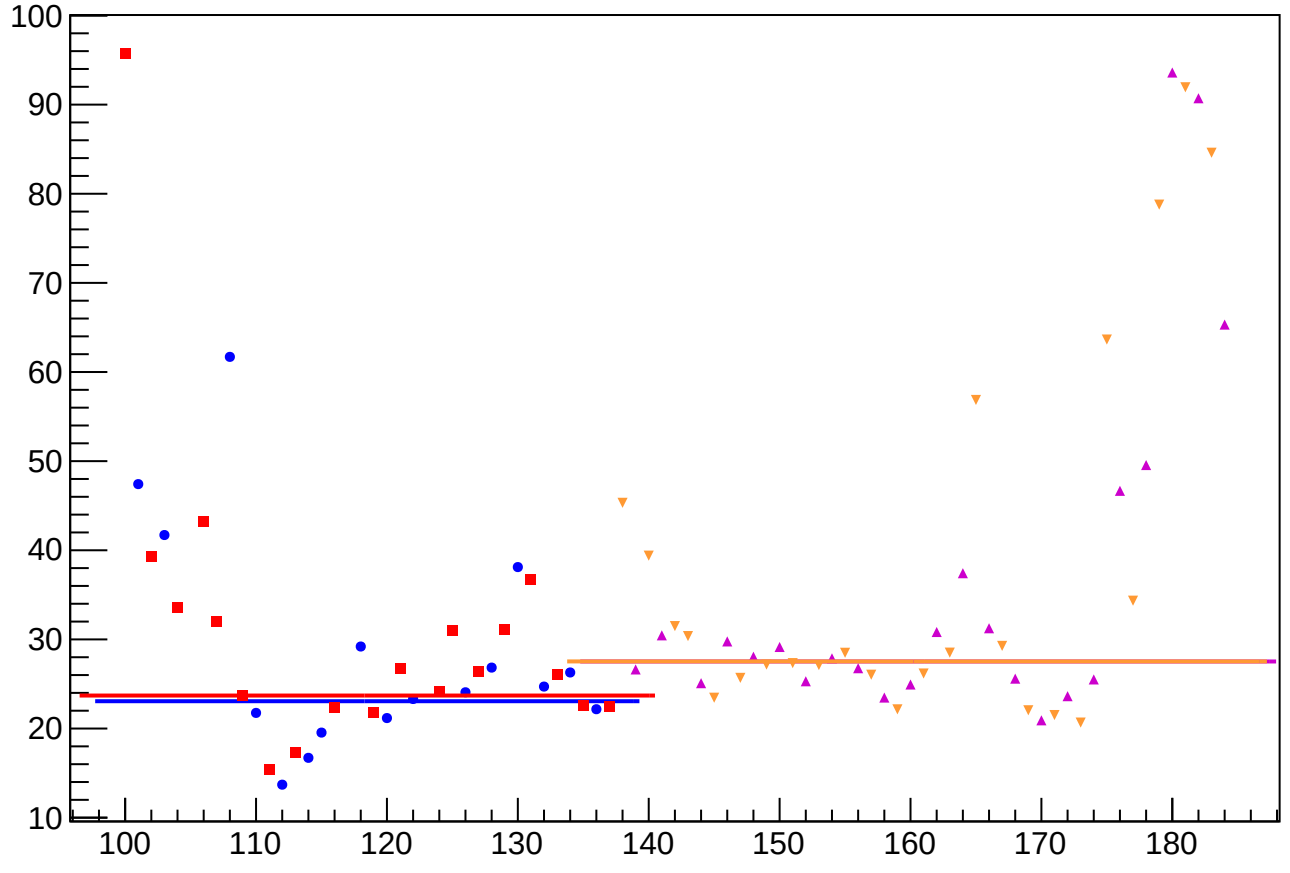
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

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

All: -0.002+/-0.004 χ^2/NDF: 98.0/81

- sign 0.002+/-0.006 χ^2/NDF: 47.6/41



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.530+/-0.005 χ^2/NDF:3782317.8/23

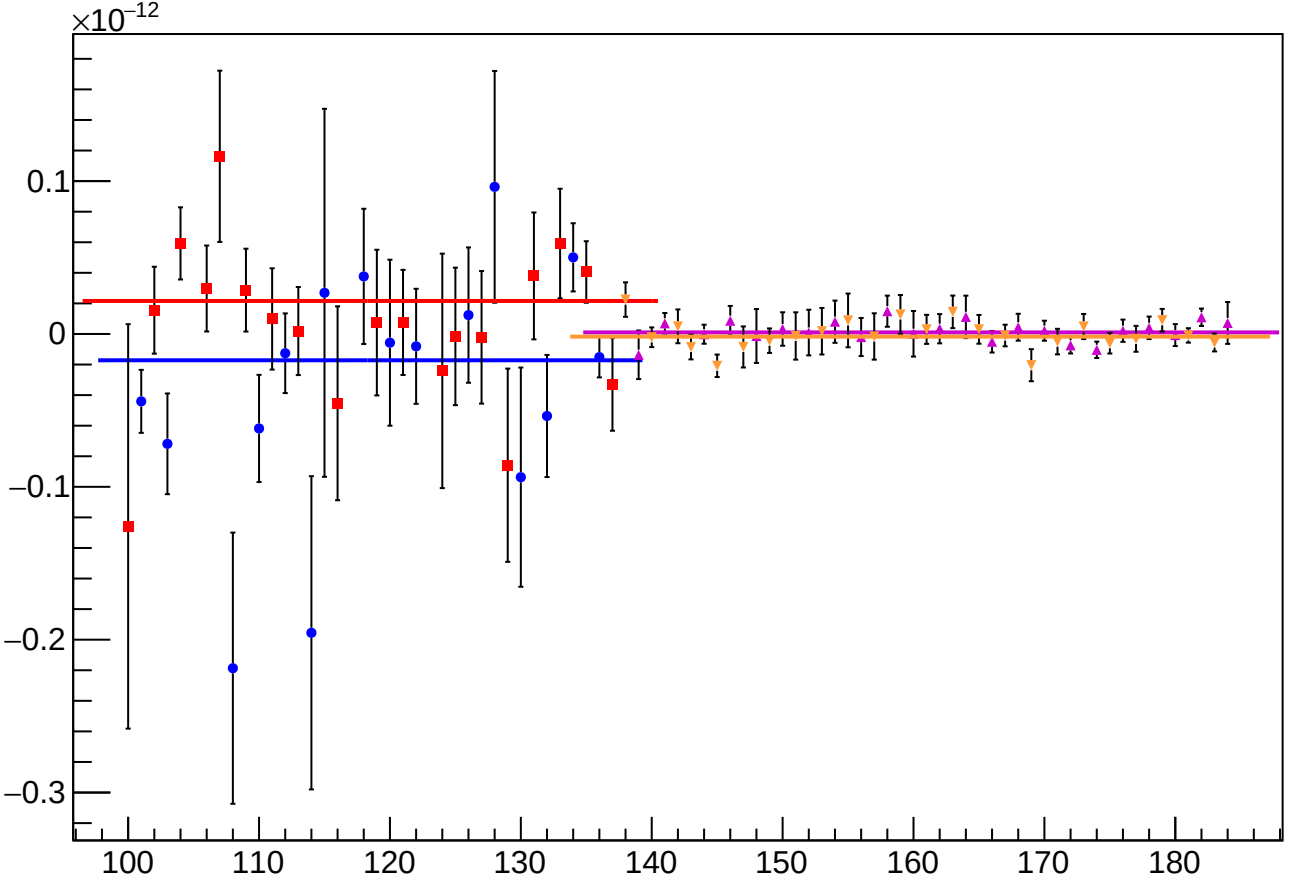
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 25.978+/-0.004 χ^2/NDF: 5641541.8/39

All: 26.061+/-0.003 χ^2/NDF: 9581792.8/81

- sign 26.145+/-0.004 χ^2/NDF: 3939350.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.3/23

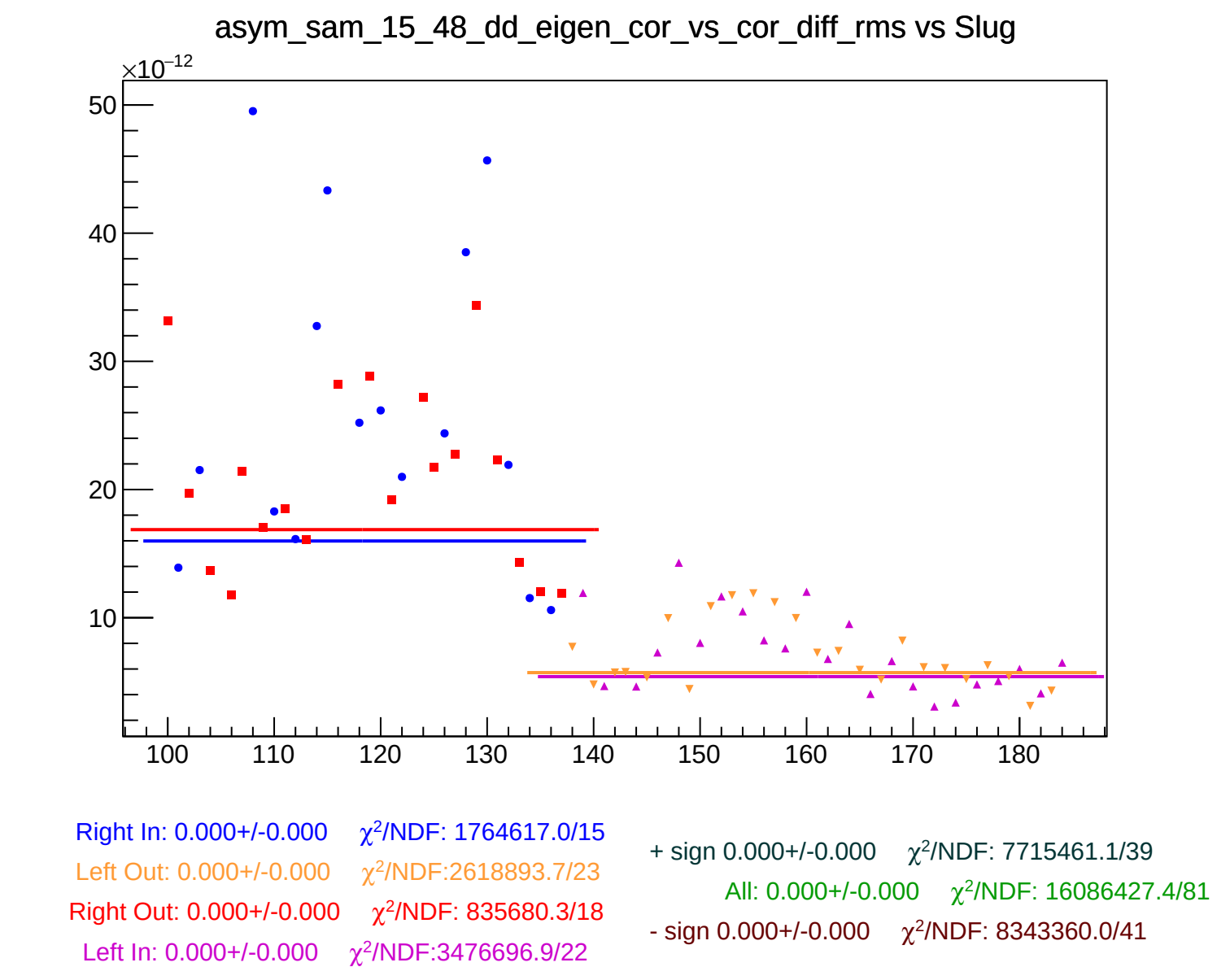
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

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

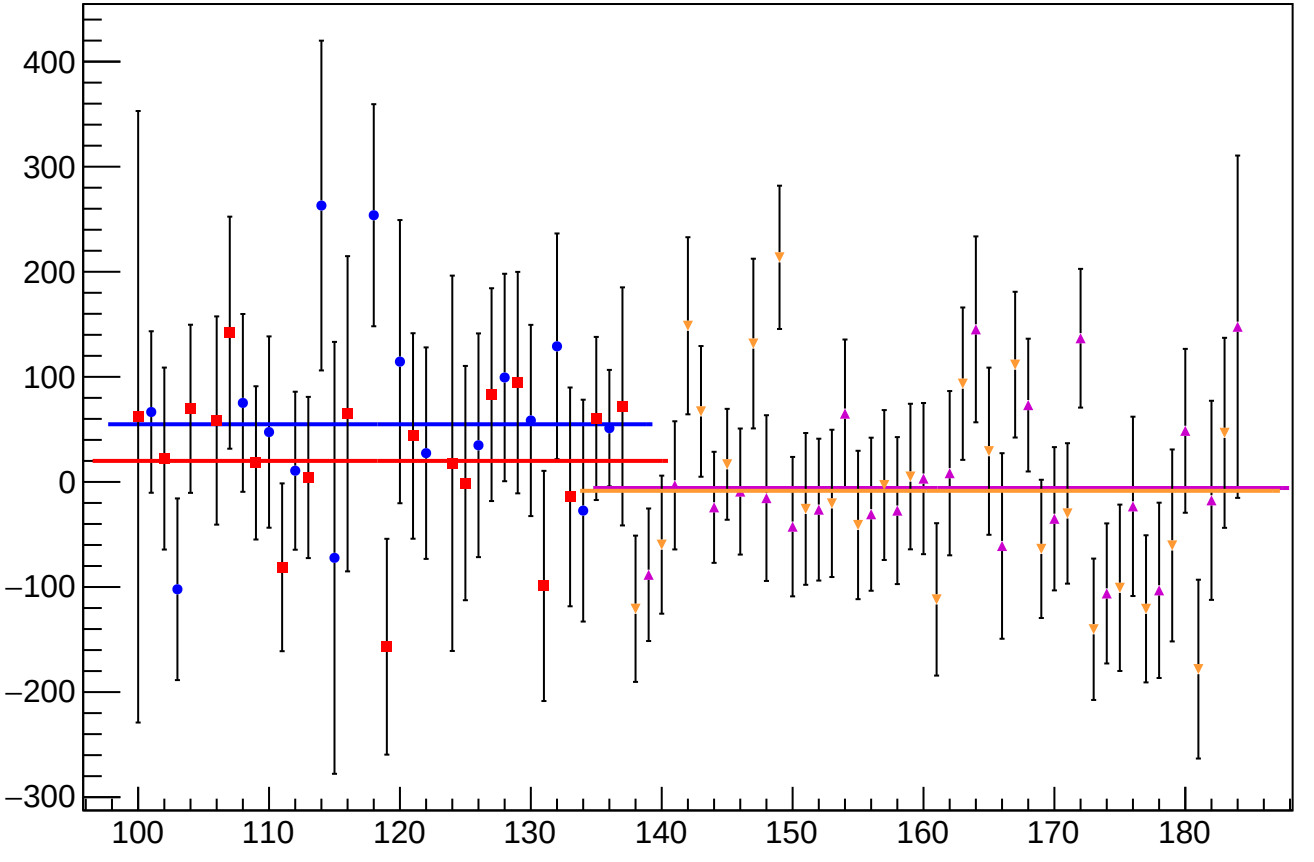
+ sign -0.000+/-0.000 χ^2/NDF: 58.0/39

All: -0.000+/-0.000 χ^2/NDF: 102.5/81

- sign 0.000+/-0.000 χ^2/NDF: 41.0/41


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:3476696.9/22
+ sign 0.000+/-0.000 χ²/NDF: 7715461.1/39
All: 0.000+/-0.000 χ²/NDF: 16086427.4/81
- sign 0.000+/-0.000 χ²/NDF: 8343360.0/41

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

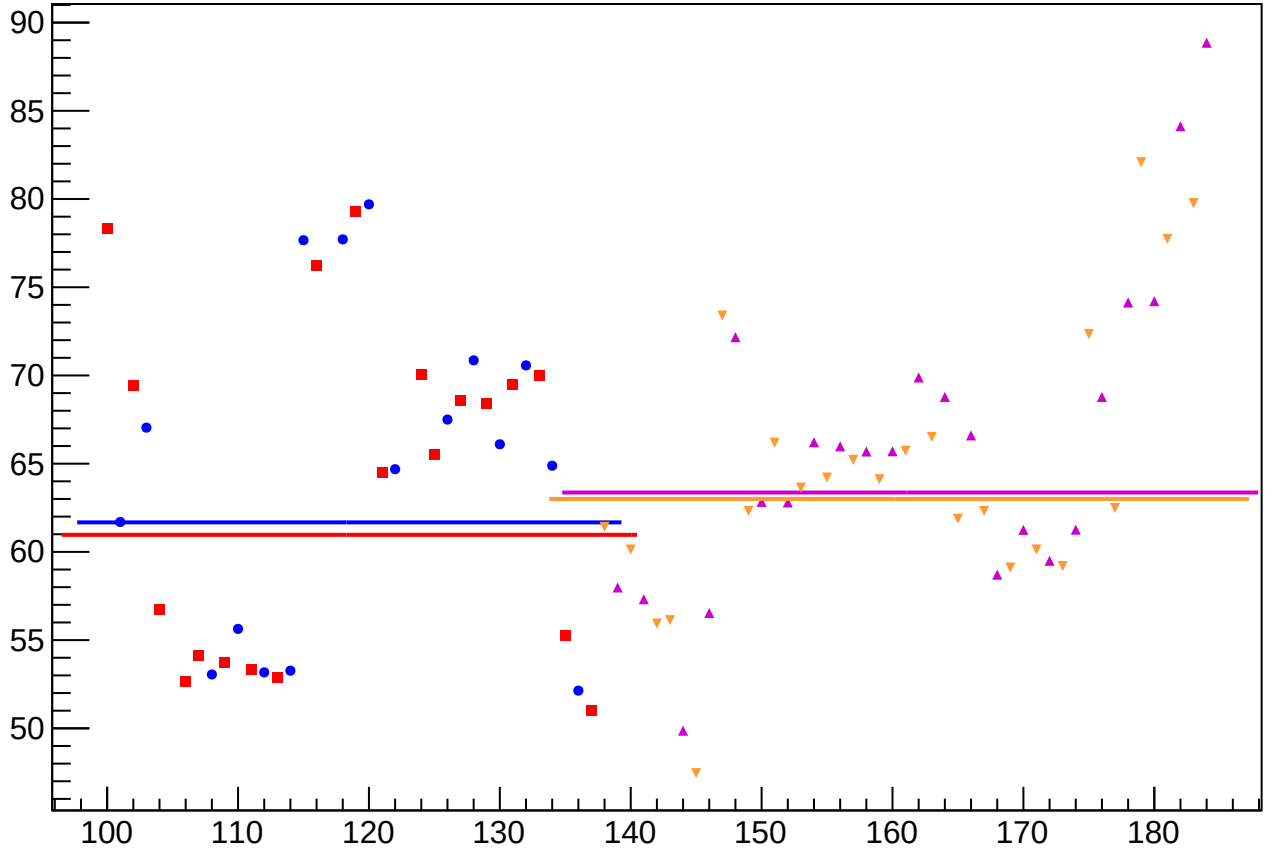
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 9.430+/-12.315 χ^2/NDF: 59.2/39

All: 5.794+/-8.756 χ^2/NDF: 87.8/81

- sign 2.076+/-12.453 χ^2/NDF: 28.4/41

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

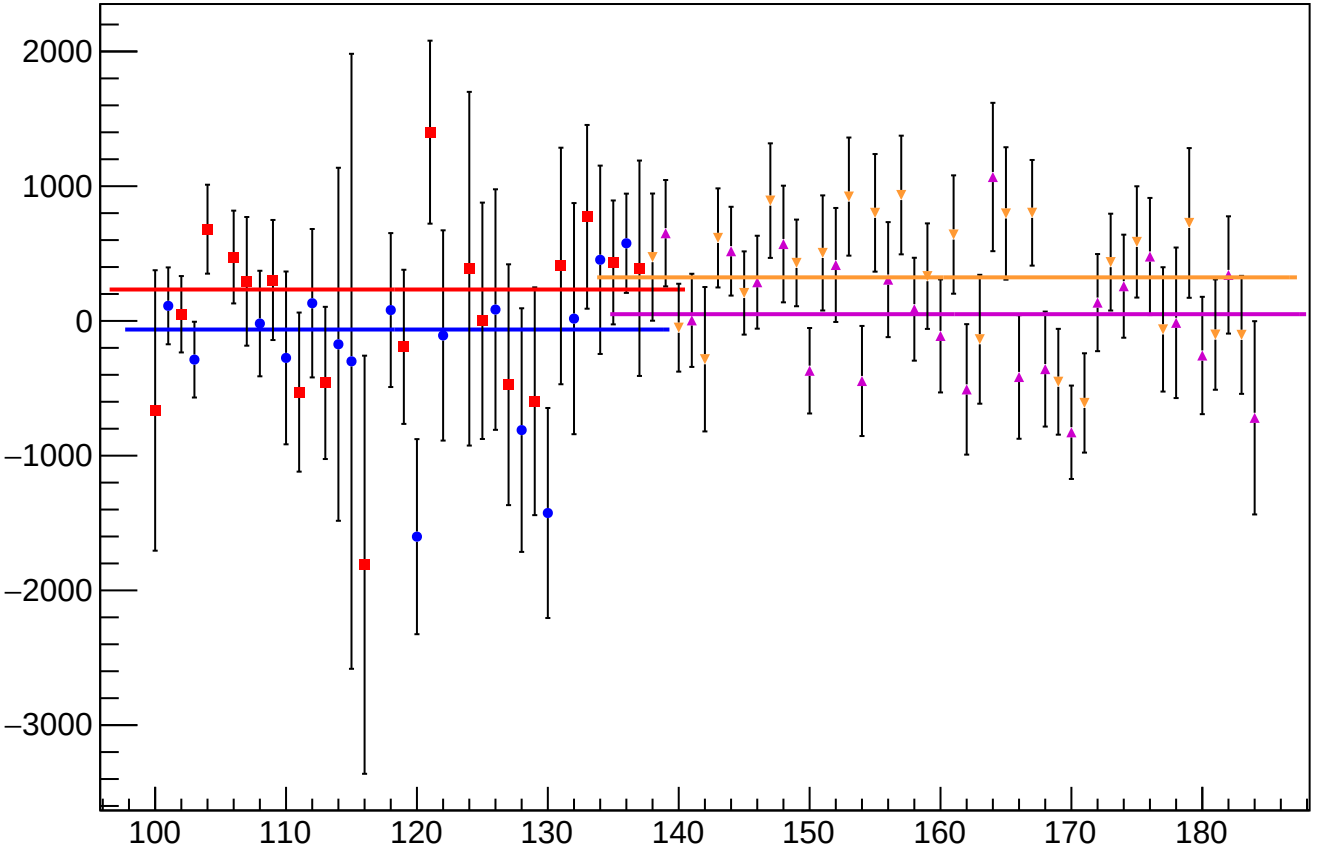
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.627+/-0.009 χ^2/NDF: 798247.0/39

All: 62.631+/-0.006 χ^2/NDF: 1595071.4/81

- sign 62.635+/-0.009 χ^2/NDF: 796824.0/41

asym_sam_37_48_dd_reg_correction_mean vs Slug



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

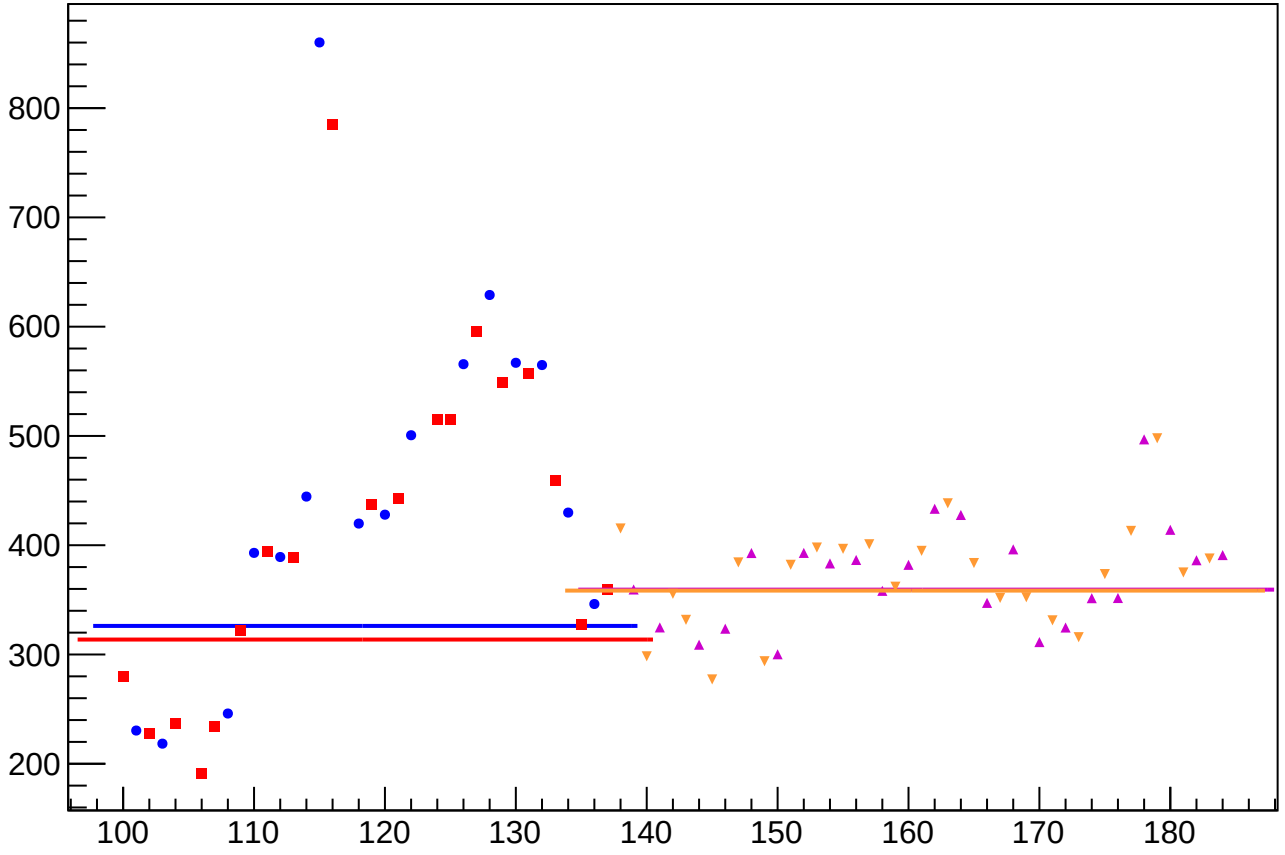
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 210.681+/-69.964 χ^2/NDF: 48.0/39

All: 159.830+/-49.413 χ^2/NDF: 92.3/81

- sign 109.218+/-69.799 χ^2/NDF: 43.3/41

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 358.480+/-0.059 χ^2/NDF:674505.6/23

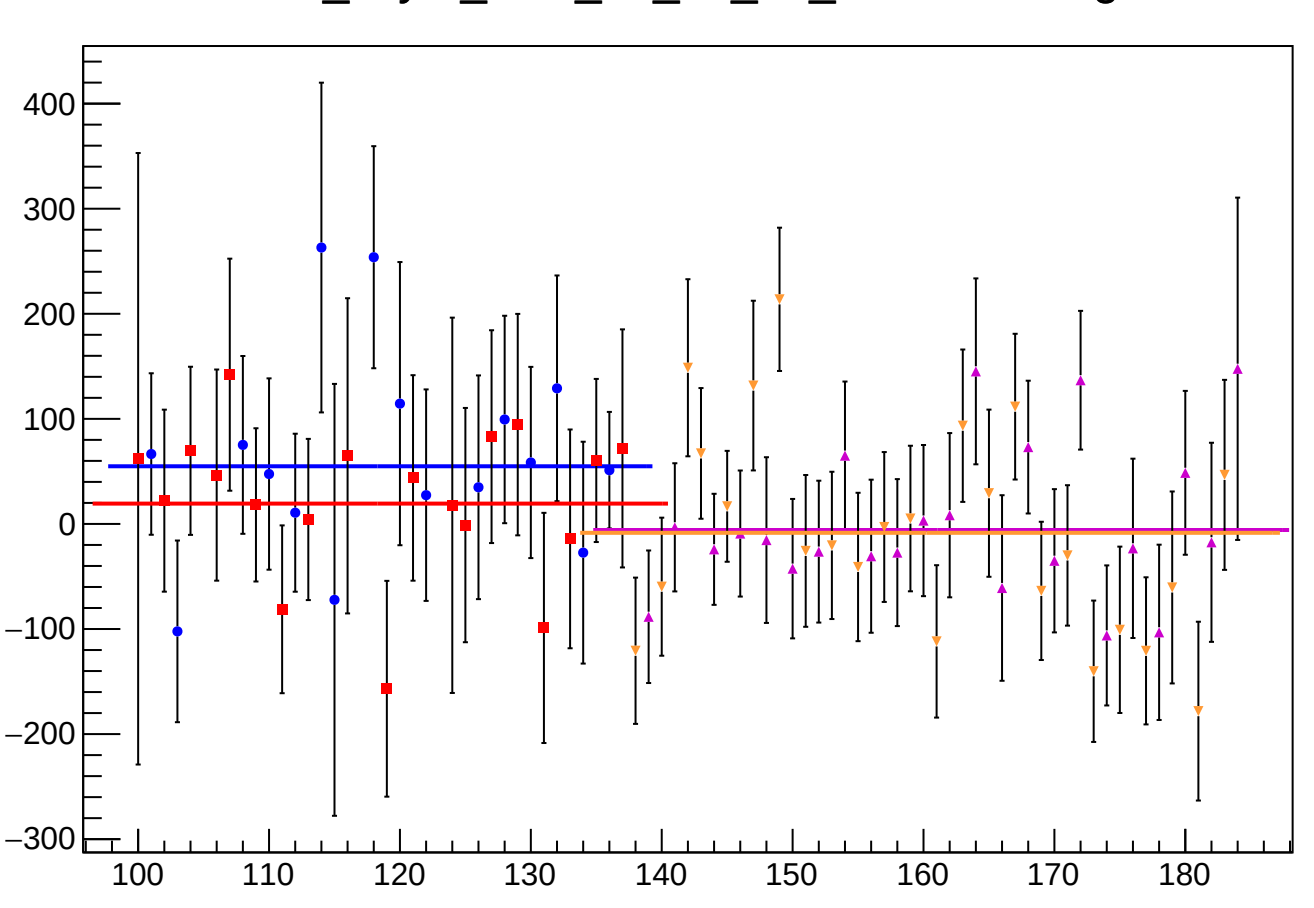
Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 349.068+/-0.049 χ^2/NDF: 2496645.9/39

All: 346.824+/-0.035 χ^2/NDF: 4995194.9/81

- sign 344.591+/-0.049 χ^2/NDF: 2494443.4/41



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

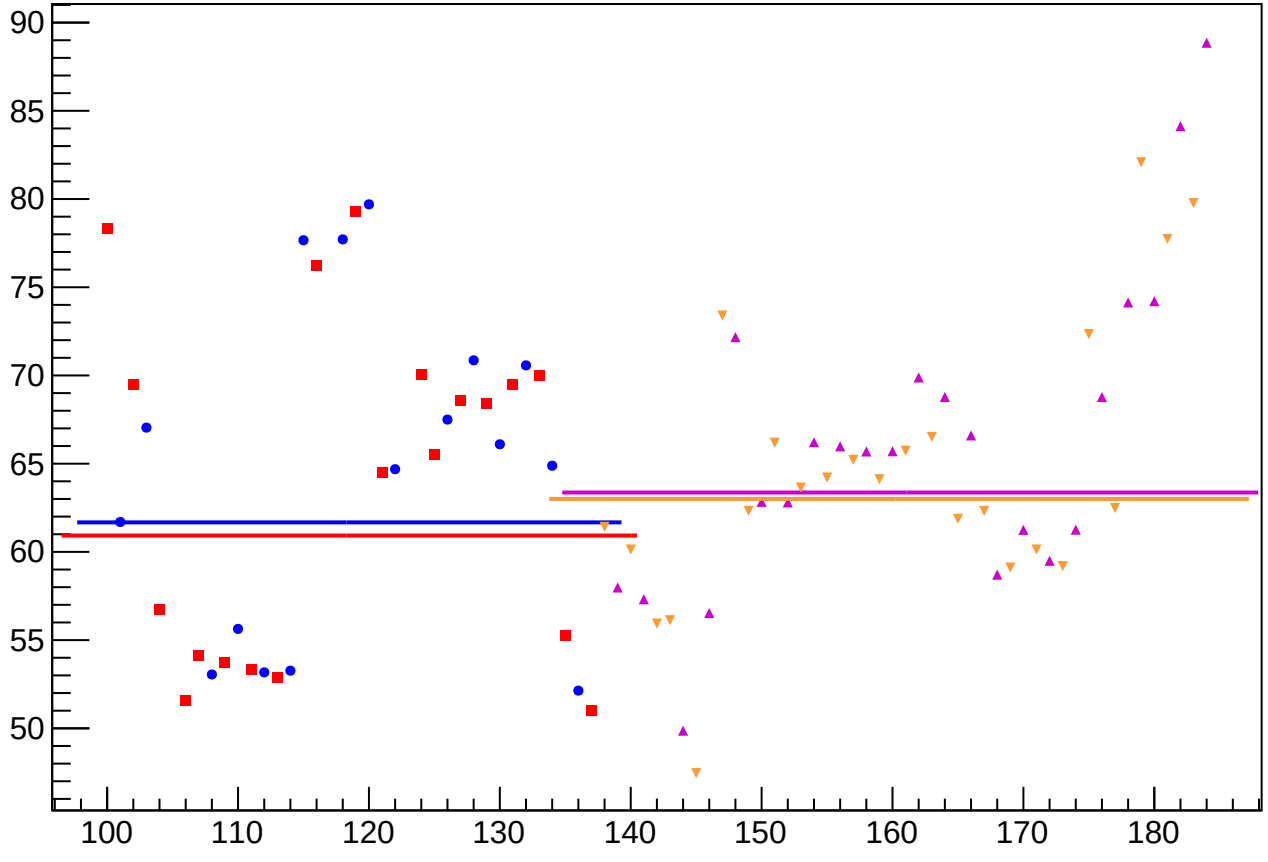
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 9.425+/-12.315 χ^2/NDF: 59.2/39

All: 5.688+/-8.757 χ^2/NDF: 87.7/81

- sign 1.865+/-12.456 χ^2/NDF: 28.3/41

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

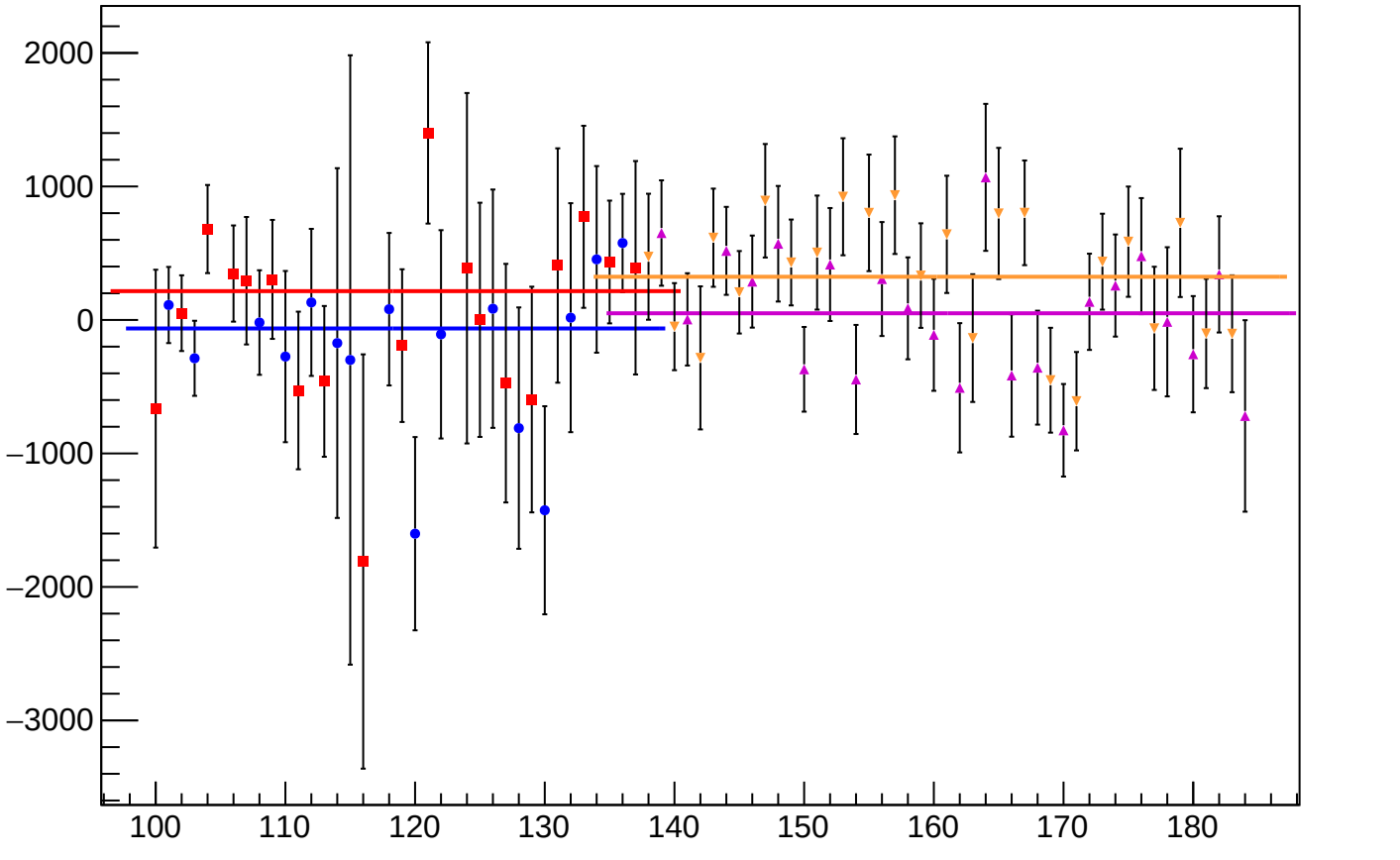
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

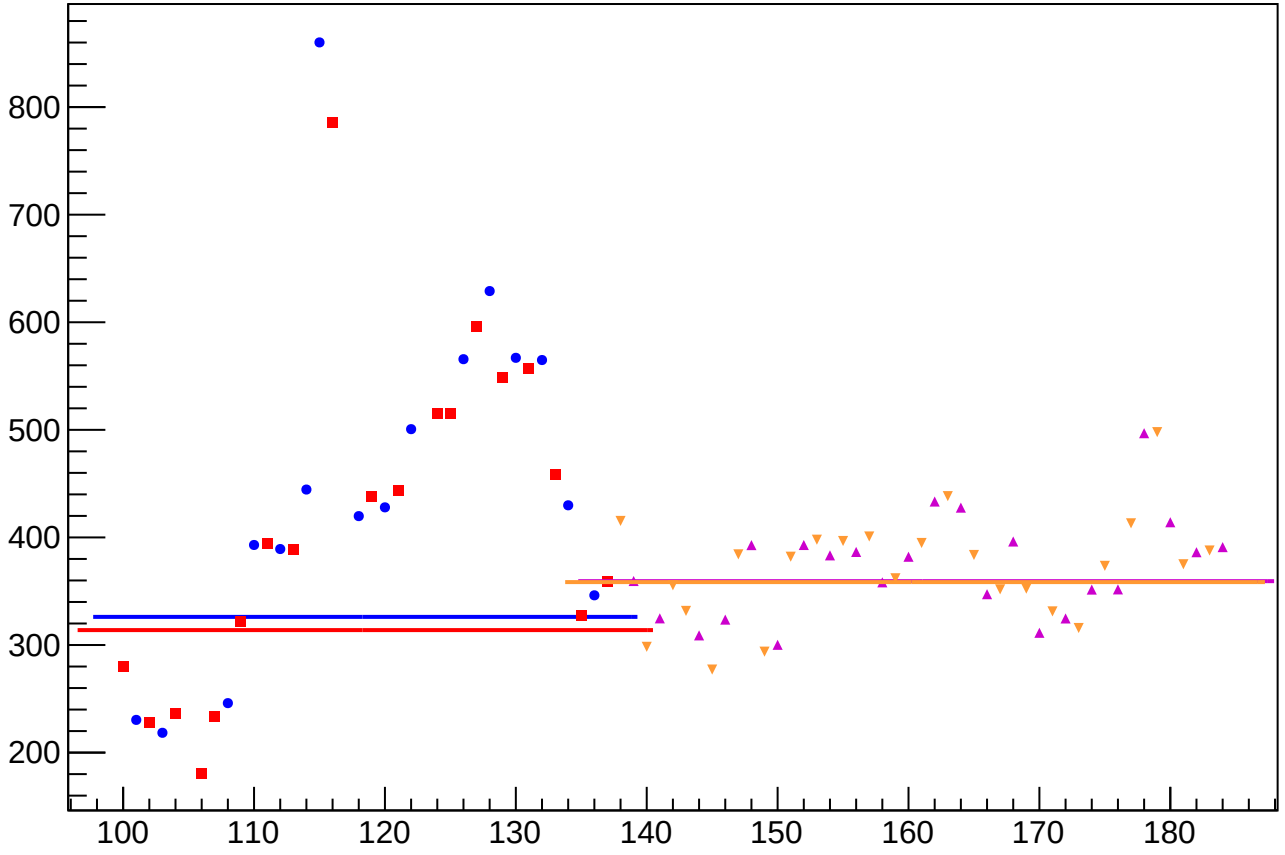
+ sign 62.627+/-0.009 χ^2/NDF: 798247.2/39

All: 62.625+/-0.006 χ^2/NDF: 1598990.5/81

- sign 62.624+/-0.009 χ^2/NDF: 800743.2/41


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: 50.029+/-84.838 χ²/NDF:27.3/22
+ sign 210.683+/-69.964 χ²/NDF: 48.0/39
All: 156.921+/-49.459 χ²/NDF: 91.8/81
- sign 103.217+/-69.927 χ²/NDF: 42.6/41

asym_sam_37_48_dd_cor_correction_rms vs Slug



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

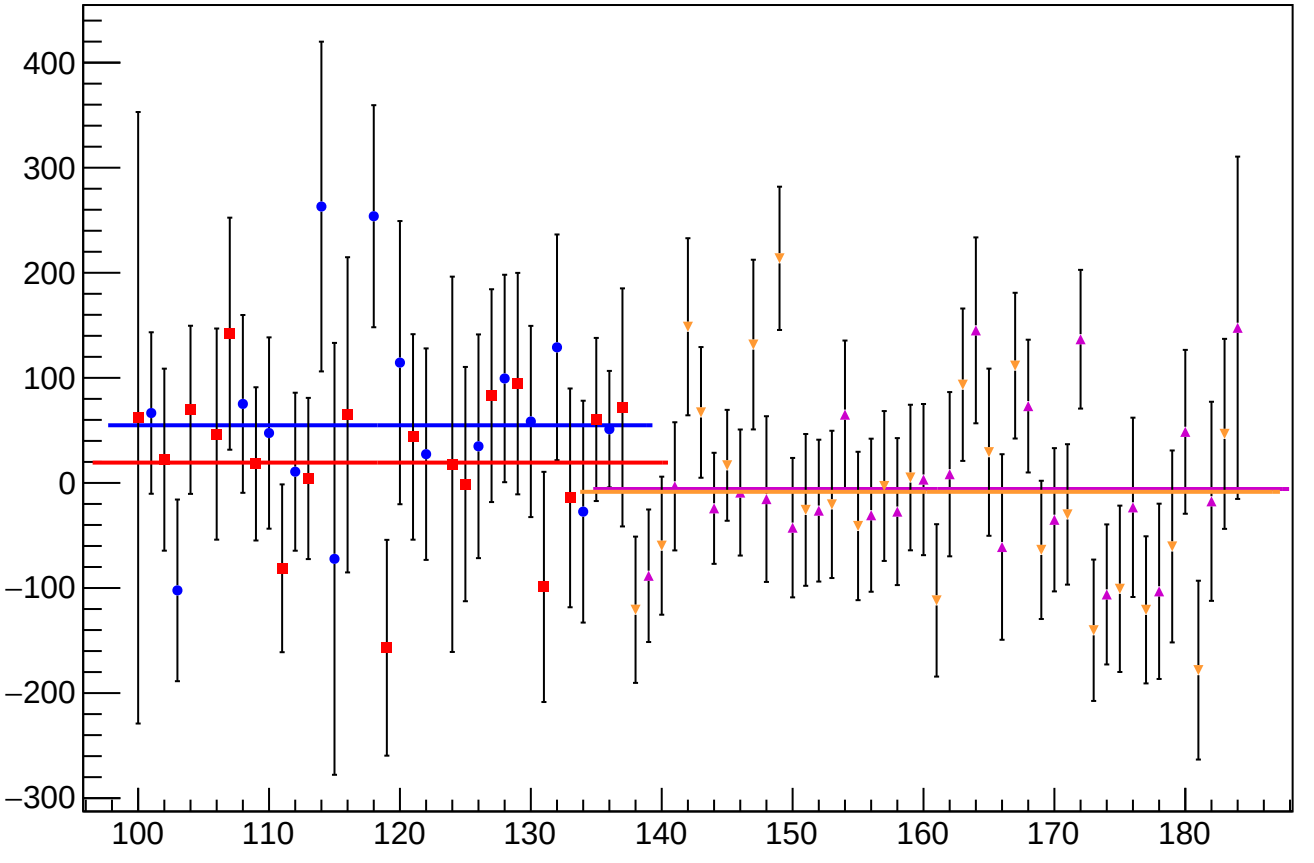
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 349.069+/-0.049 χ^2/NDF: 2496565.7/39

All: 346.916+/-0.035 χ^2/NDF: 5010259.1/81

- sign 344.765+/-0.049 χ^2/NDF: 2509905.9/41

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

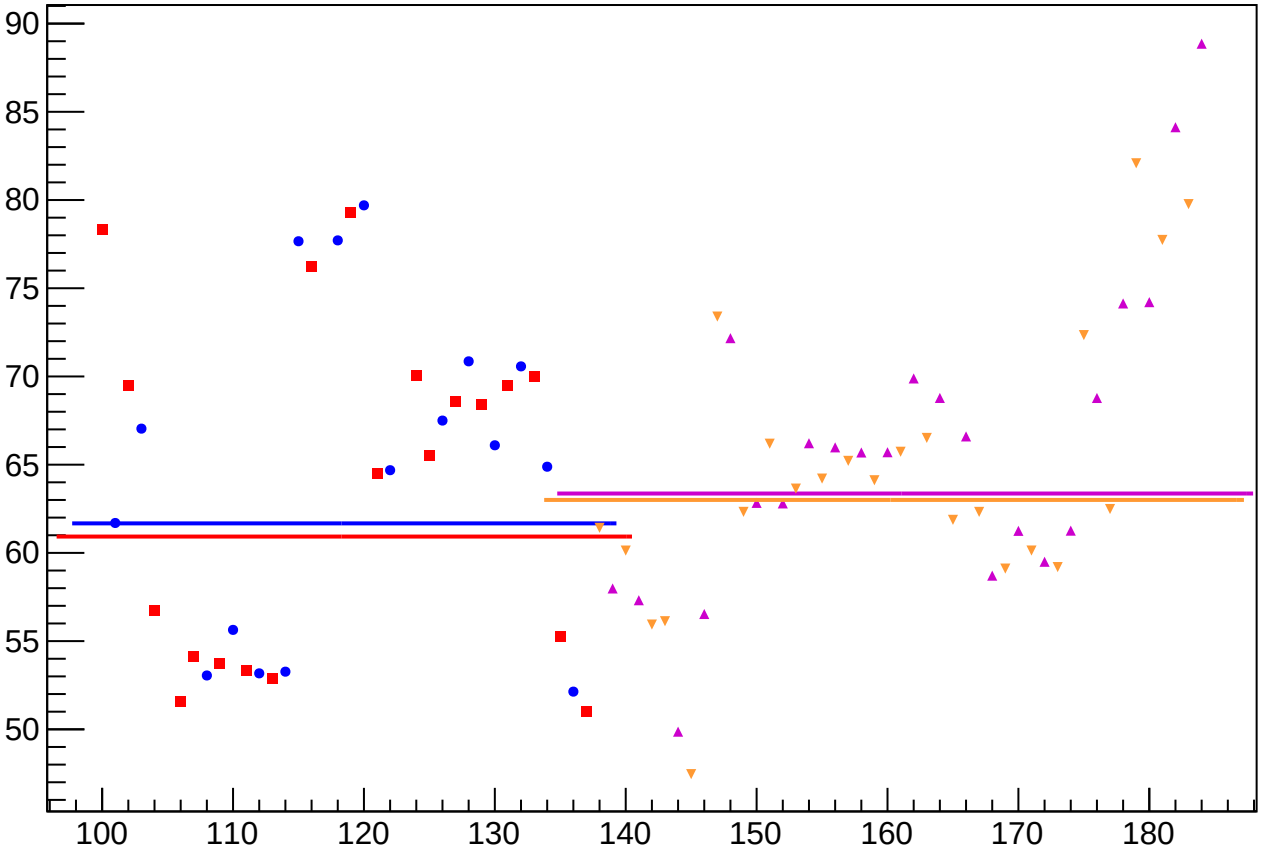
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 9.425+/-12.315 χ^2/NDF: 59.2/39

All: 5.688+/-8.757 χ^2/NDF: 87.7/81

- sign 1.865+/-12.456 χ^2/NDF: 28.3/41

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

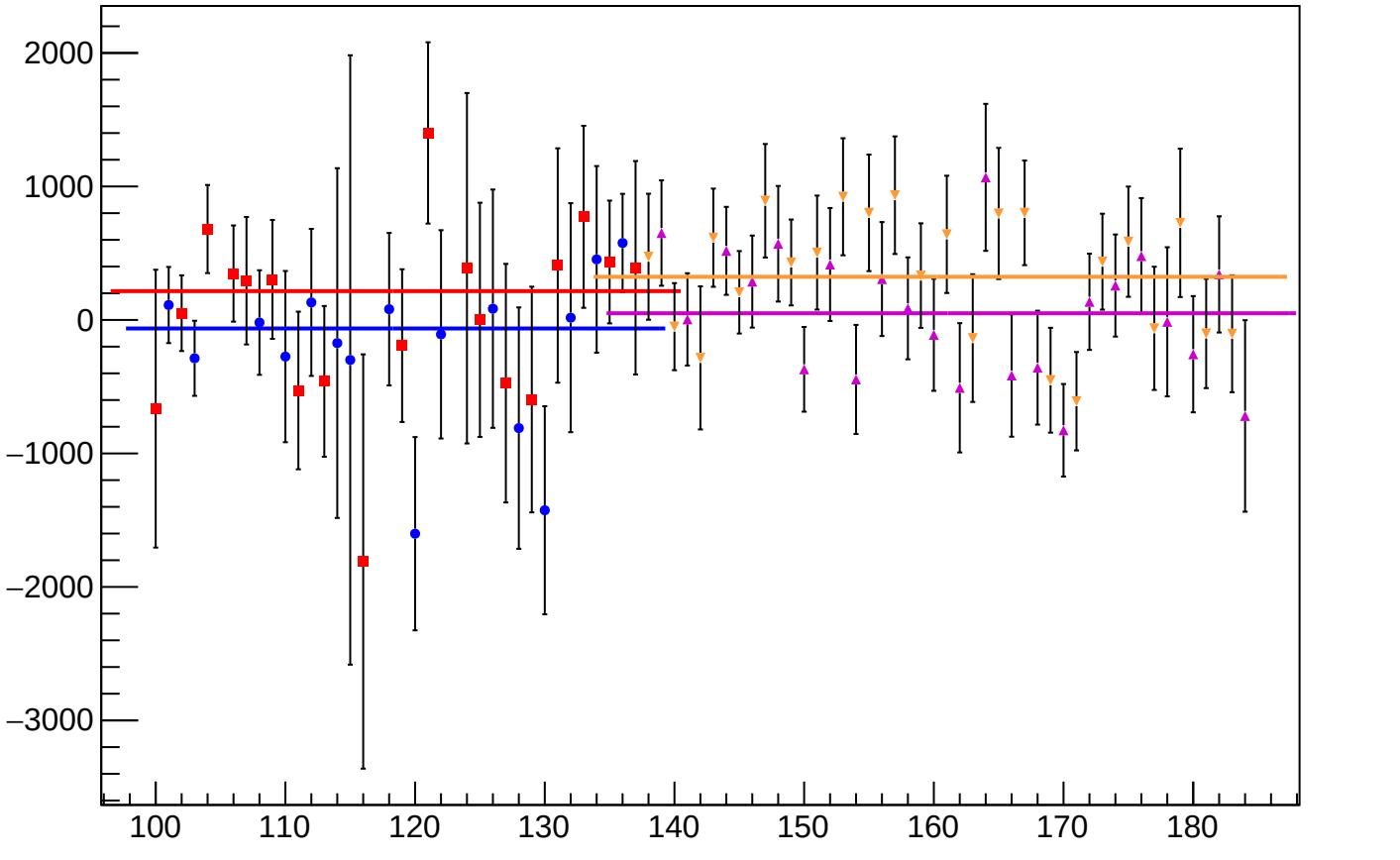
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.627+/-0.009 χ^2/NDF: 798247.2/39

All: 62.625+/-0.006 χ^2/NDF: 1598990.5/81

- sign 62.624+/-0.009 χ^2/NDF: 800743.2/41



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 323.402+/-83.096 χ^2/NDF:28.5/23

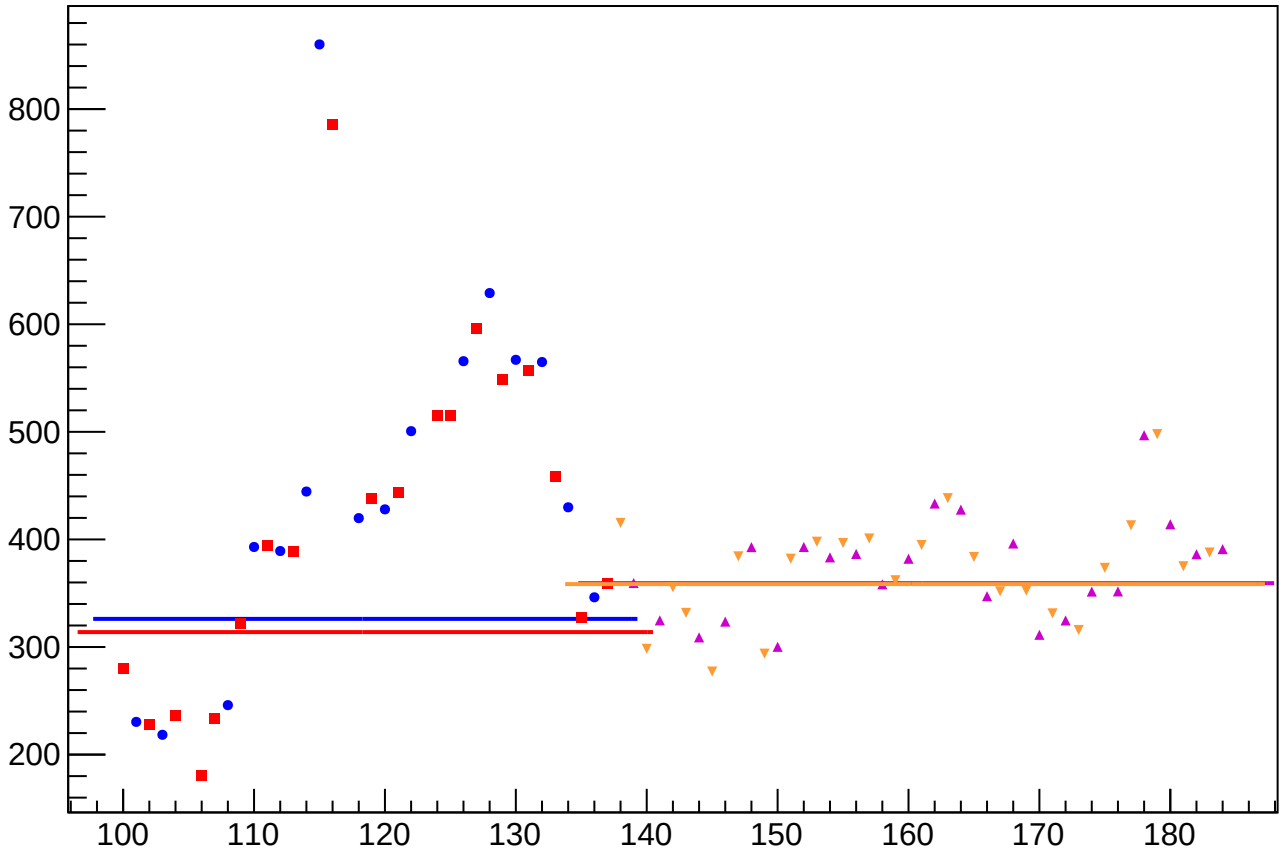
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 210.683+/-69.964 χ^2/NDF: 48.0/39

All: 156.921+/-49.459 χ^2/NDF: 91.8/81

- sign 103.217+/-69.927 χ^2/NDF: 42.6/41



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

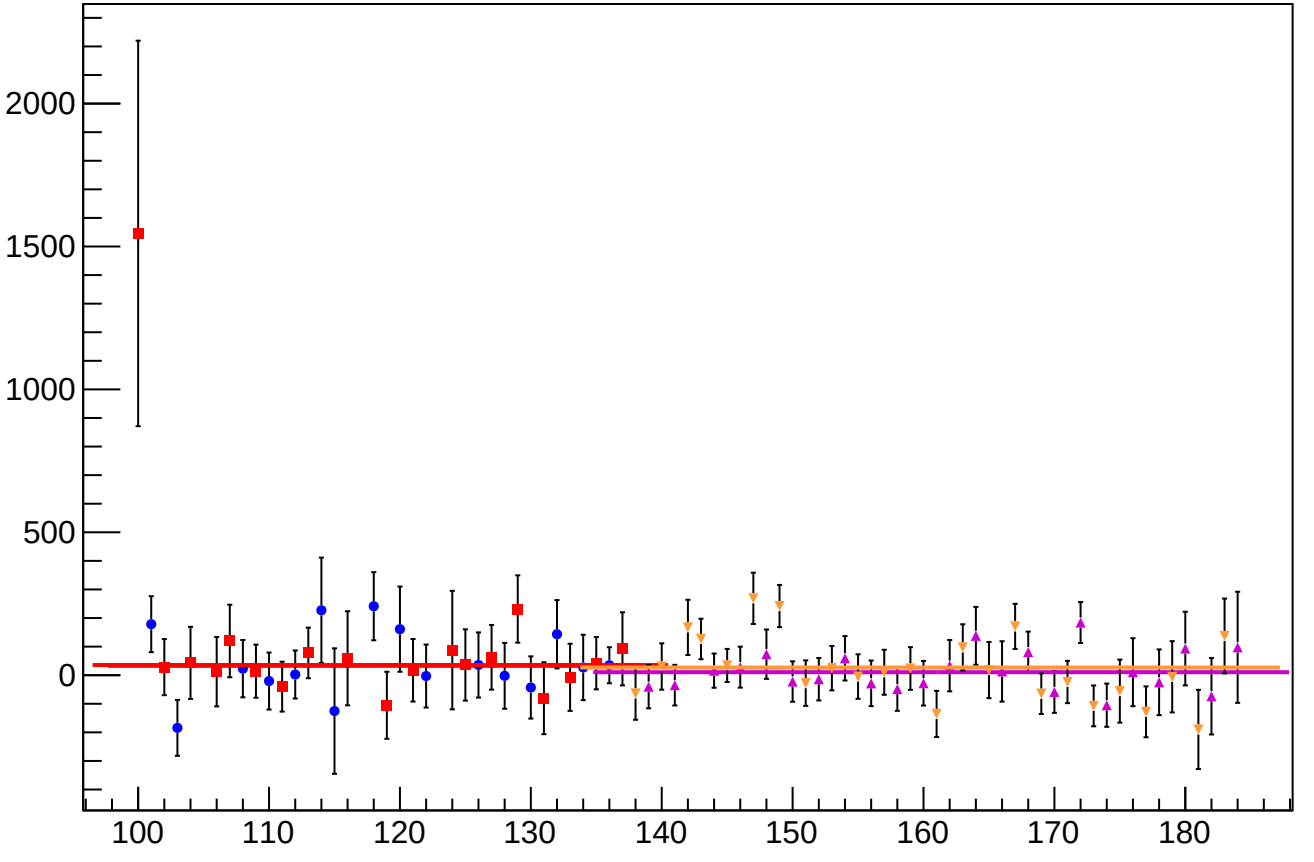
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 349.069+/-0.049 χ^2/NDF: 2496565.7/39

All: 346.916+/-0.035 χ^2/NDF: 5010259.1/81

- sign 344.765+/-0.049 χ^2/NDF: 2509905.9/41

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

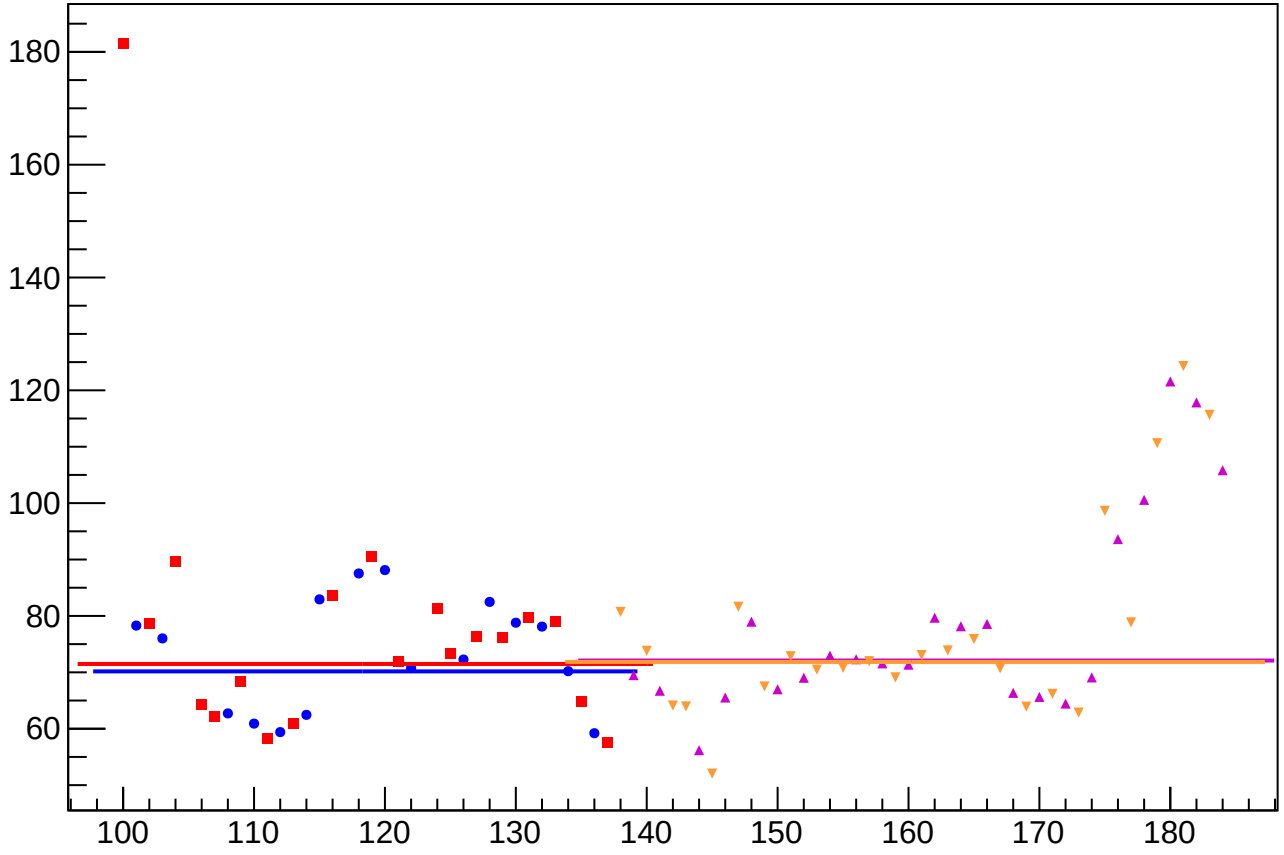
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 28.807+/-14.180 χ^2/NDF: 56.7/39

All: 23.480+/-10.120 χ^2/NDF: 85.8/81

- sign 17.948+/-14.448 χ^2/NDF: 28.8/41

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

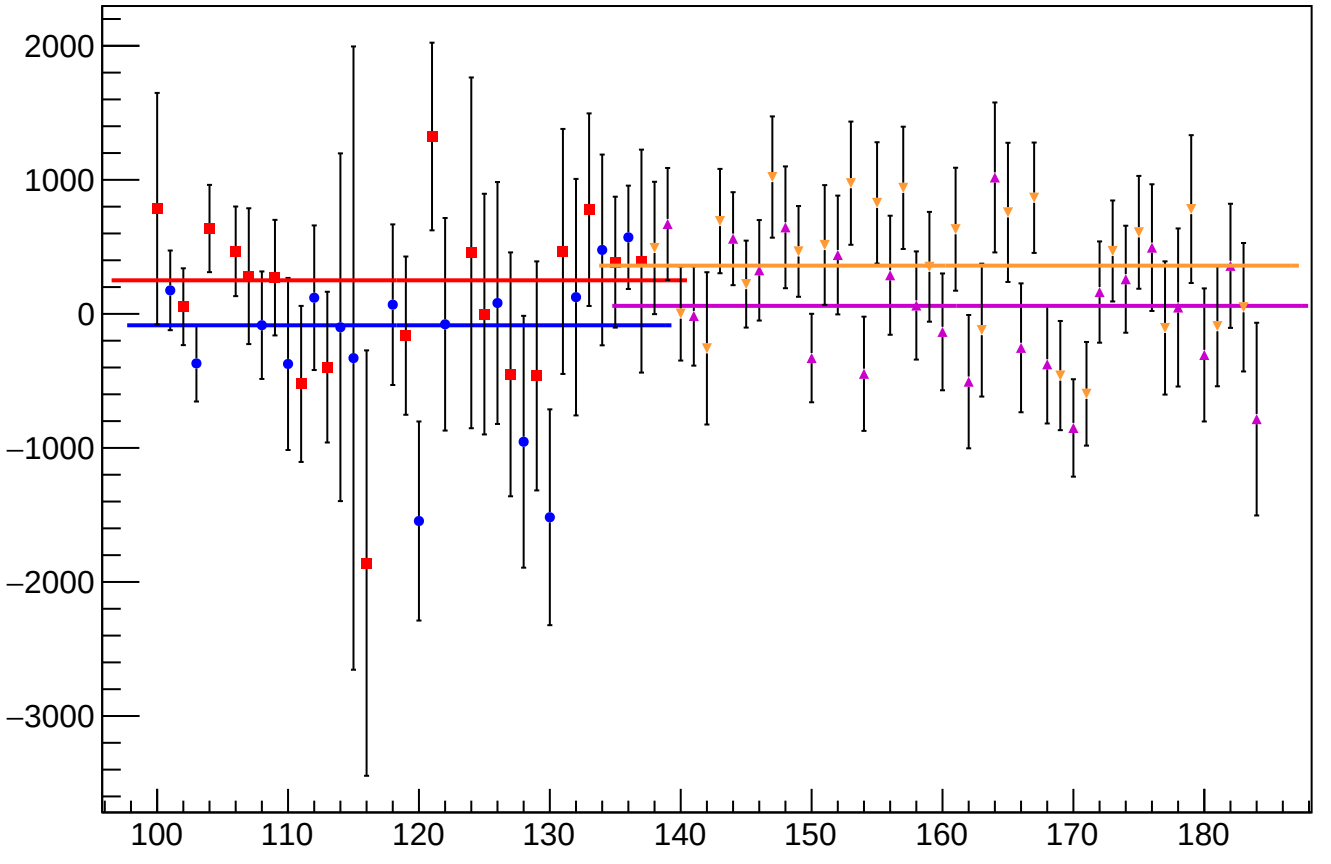
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 71.361+/-0.010 χ^2/NDF: 1508357.5/39

All: 71.631+/-0.007 χ^2/NDF: 2895152.6/81

- sign 71.912+/-0.010 χ^2/NDF: 1385313.5/41



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

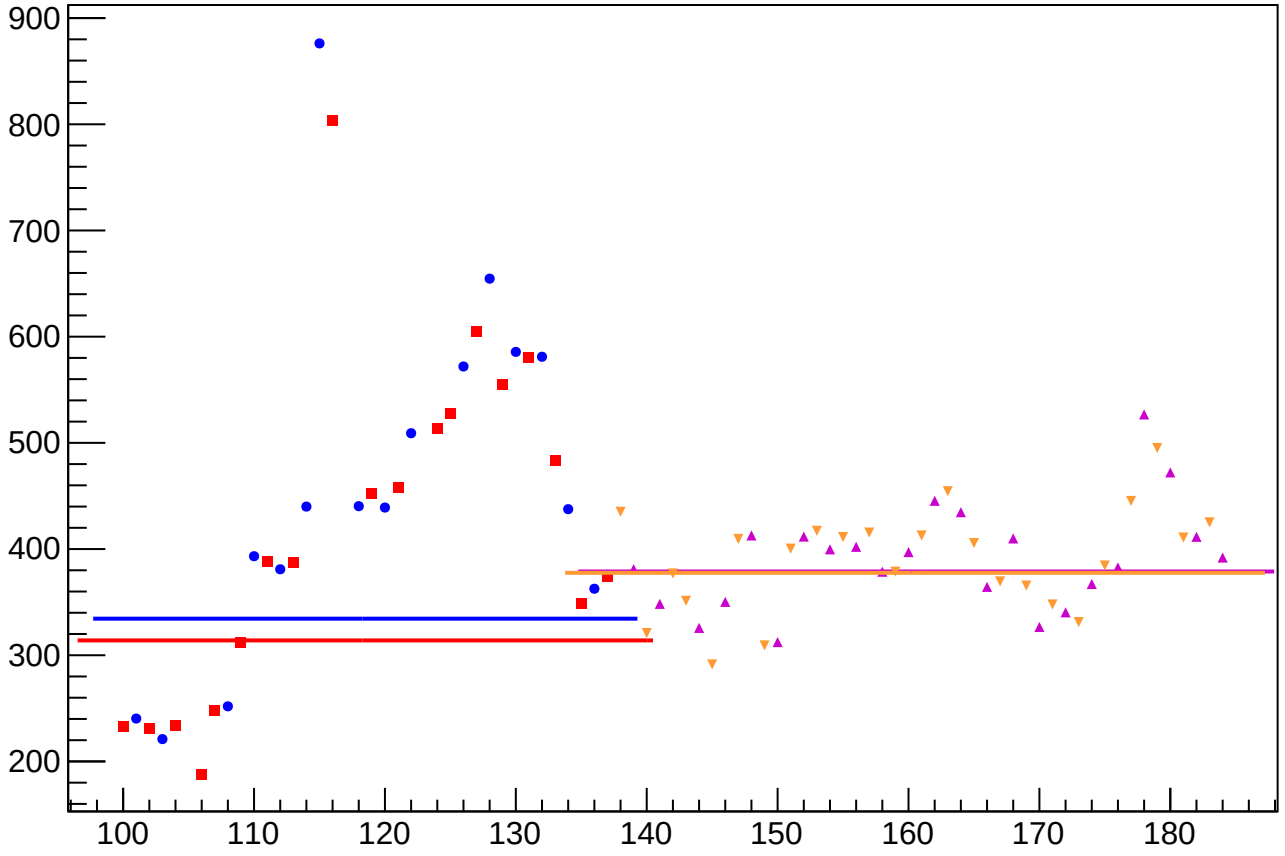
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

\+ sign 225.613+/-73.010 χ^2/NDF: 48.5/39

All: 175.159+/-51.403 χ^2/NDF: 89.3/81

\- sign 125.569+/-72.383 χ^2/NDF: 39.9/41

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

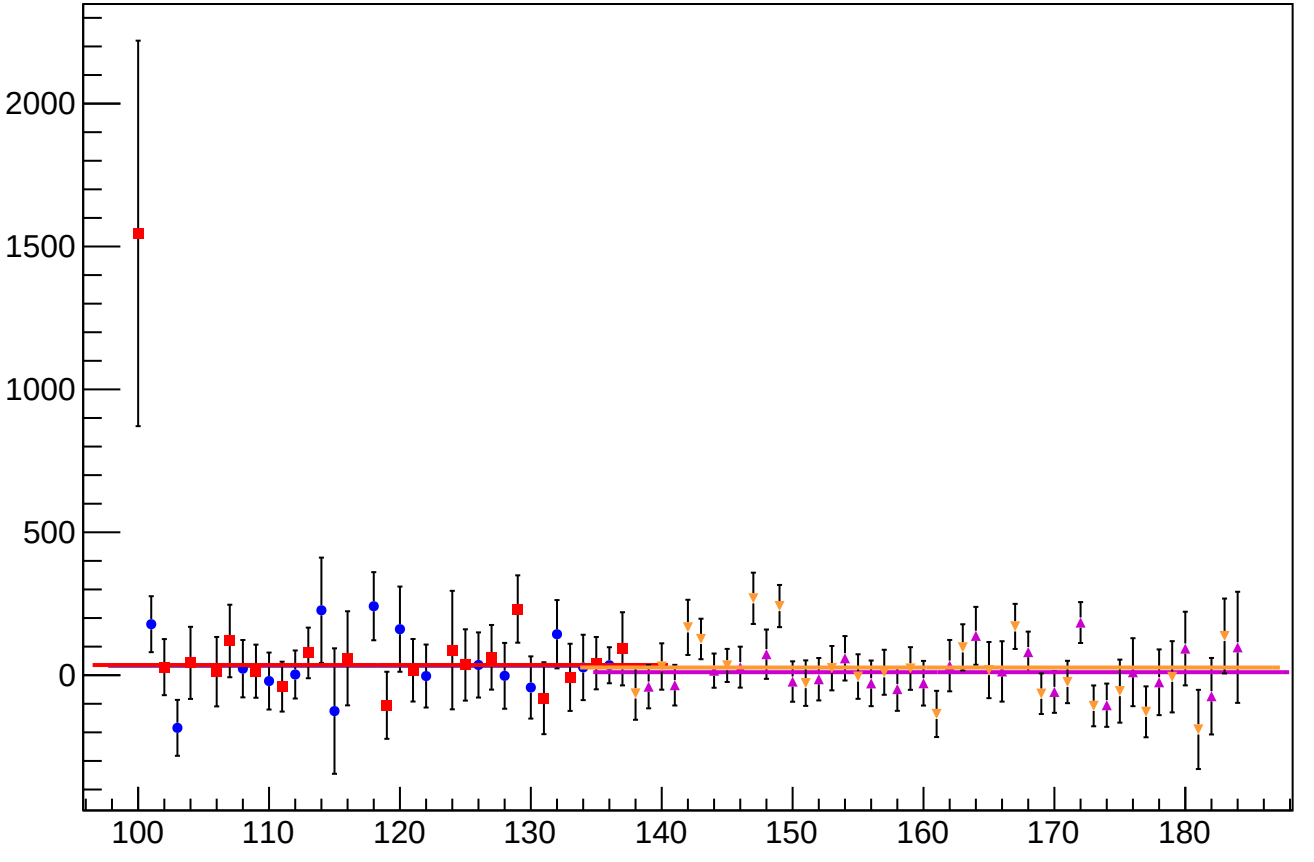
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 364.587+/-0.052 χ^2/NDF: 2514300.5/39

All: 360.511+/-0.036 χ^2/NDF: 5322072.5/81

- sign 356.504+/-0.051 χ^2/NDF: 2795410.4/41

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

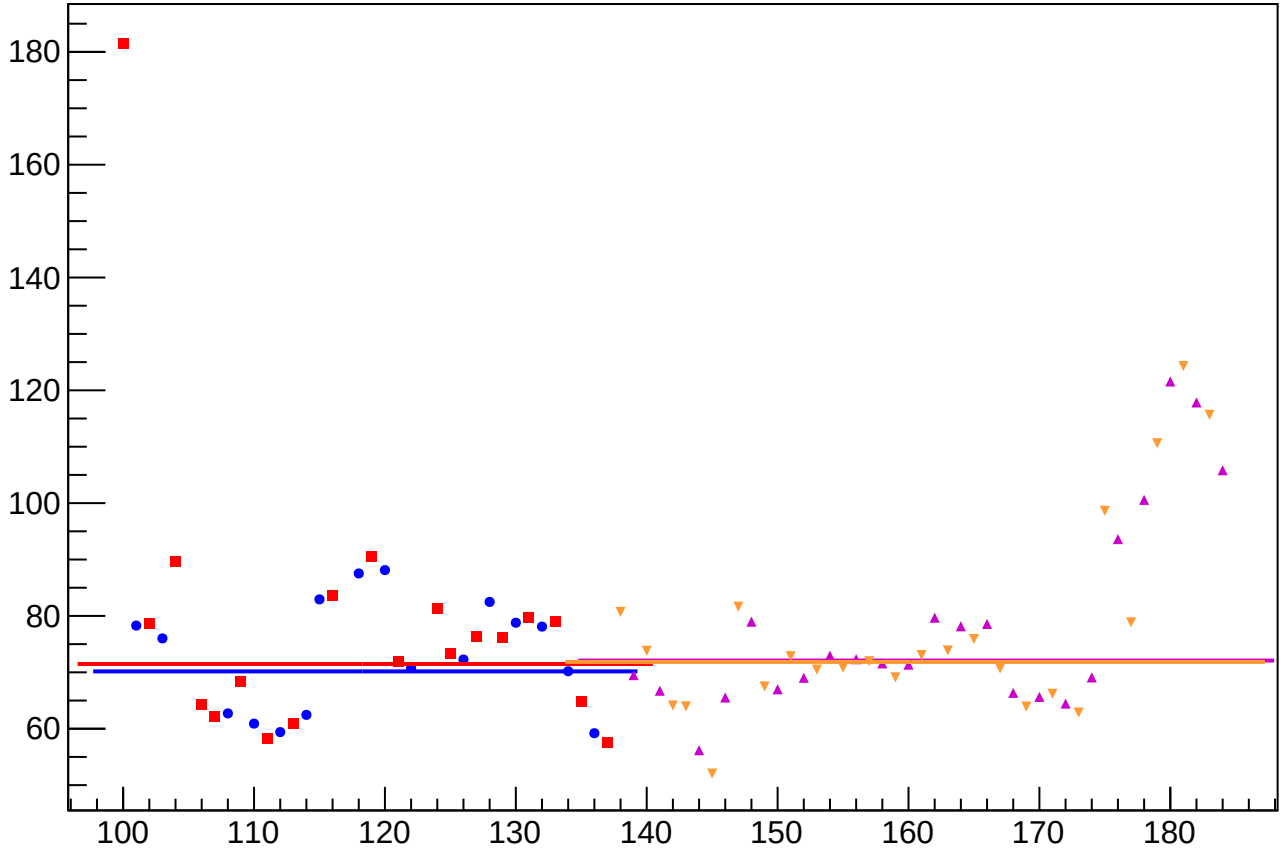
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 28.806+/-14.180 χ^2/NDF: 56.7/39

All: 23.479+/-10.120 χ^2/NDF: 85.8/81

- sign 17.949+/-14.448 χ^2/NDF: 28.8/41

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

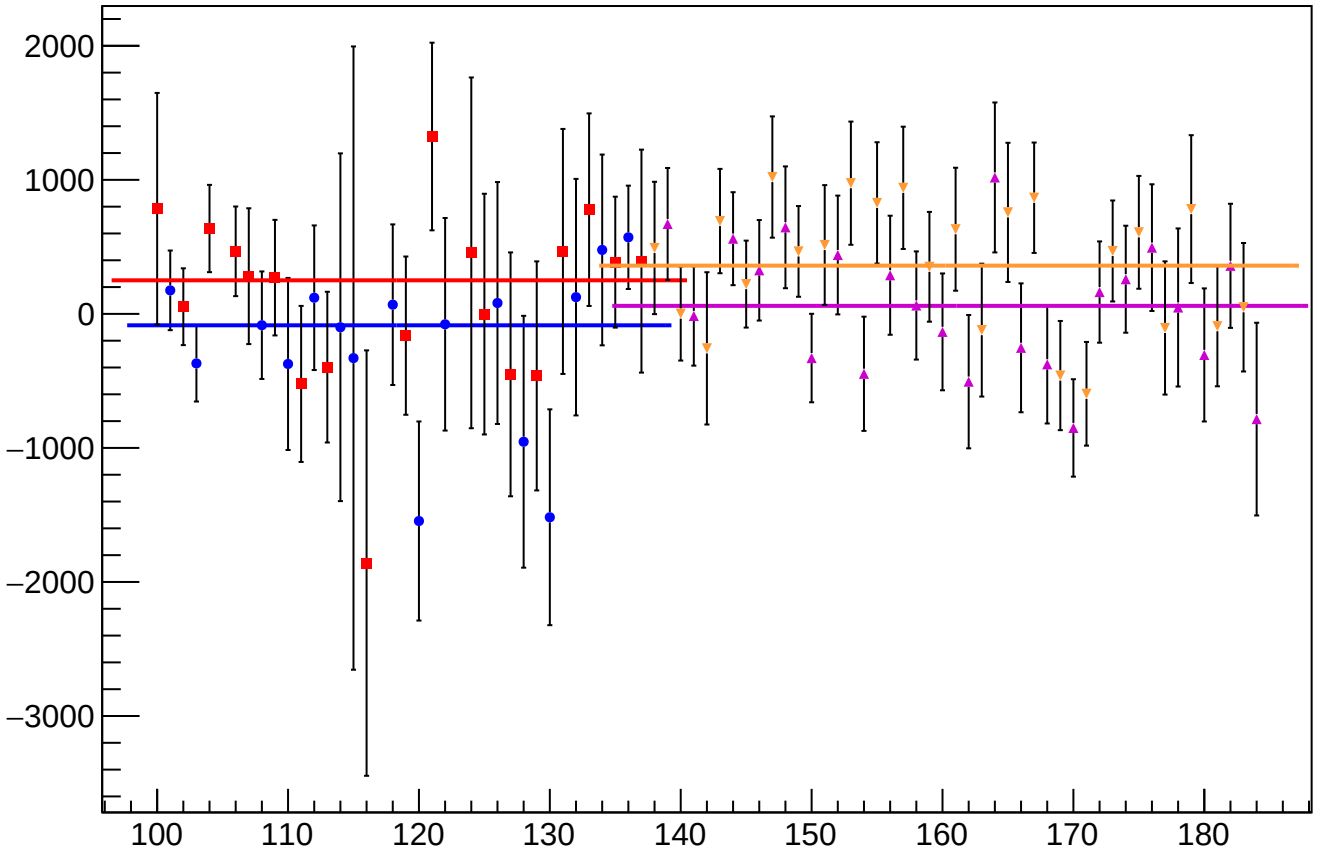
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 71.361+/-0.010 χ^2/NDF: 1508367.8/39

All: 71.631+/-0.007 χ^2/NDF: 2895159.2/81

- sign 71.912+/-0.010 χ^2/NDF: 1385309.9/41



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 360.021+/-87.383 χ^2/NDF:26.9/23

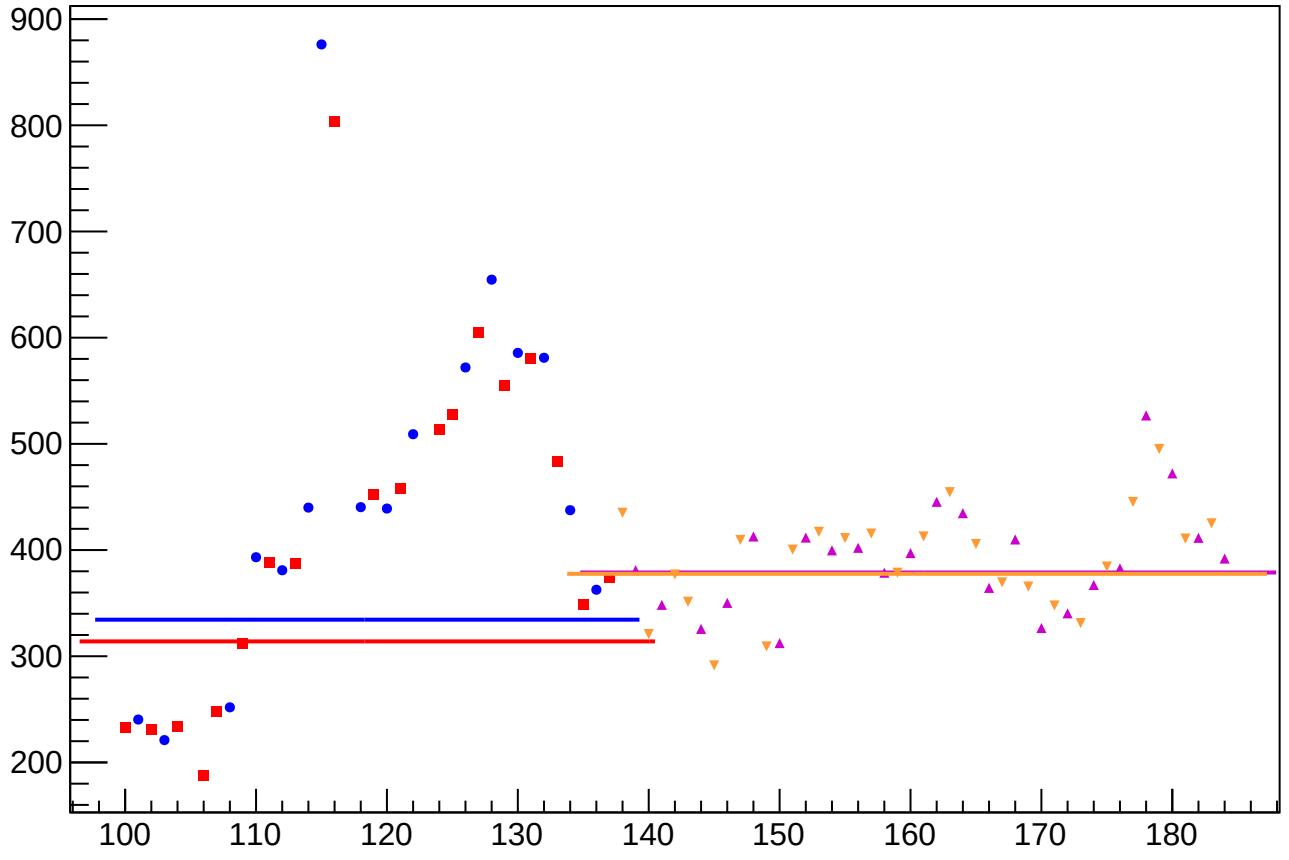
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 225.612+/-73.010 χ^2/NDF: 48.5/39

All: 175.159+/-51.403 χ^2/NDF: 89.3/81

- sign 125.569+/-72.383 χ^2/NDF: 39.9/41



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

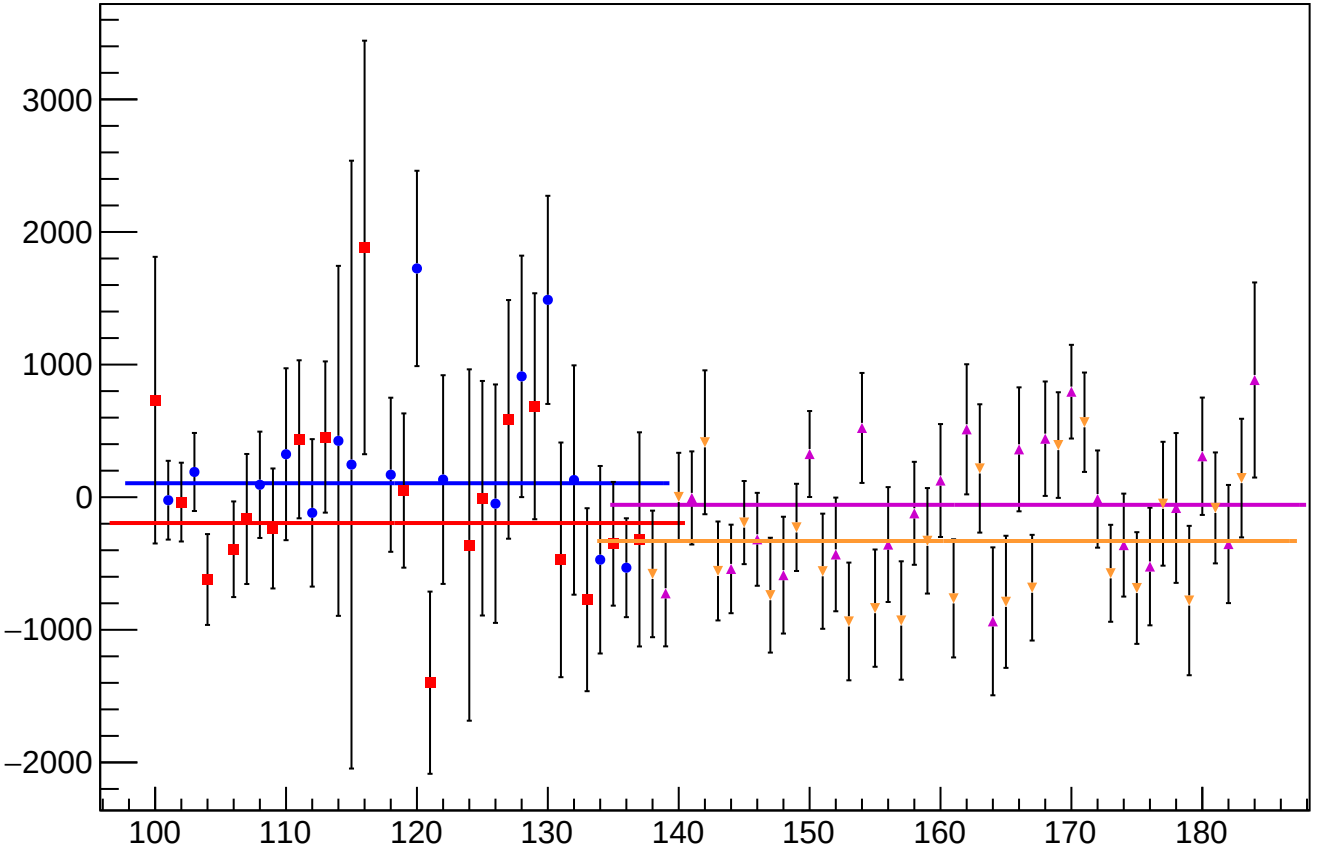
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 364.587+/-0.052 χ^2/NDF: 2514295.9/39

All: 360.510+/-0.036 χ^2/NDF: 5322059.3/81

- sign 356.504+/-0.051 χ^2/NDF: 2795401.8/41

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

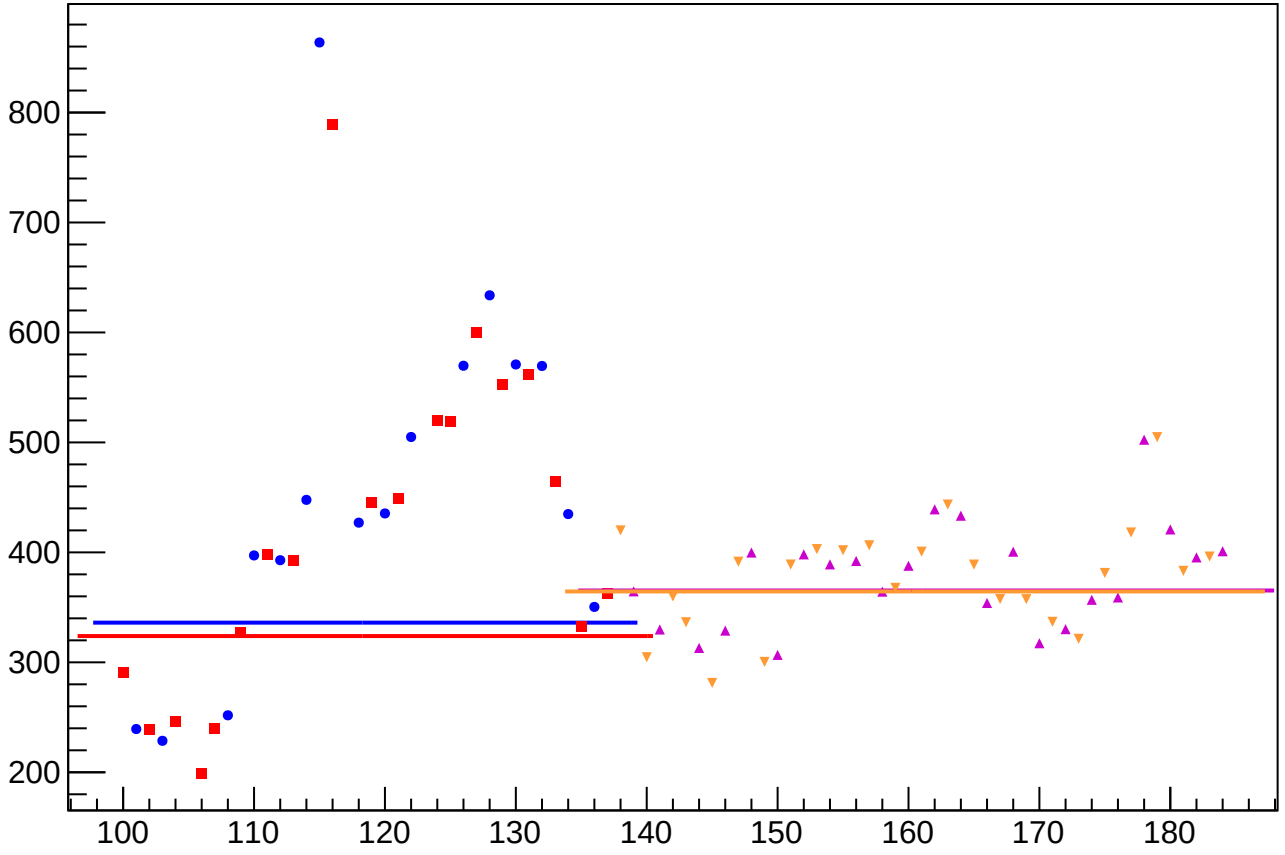
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -205.169+/-71.299 χ^2/NDF: 47.1/39

All: -153.107+/-50.379 χ^2/NDF: 90.1/81

- sign -101.198+/-71.194 χ^2/NDF: 41.9/41

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

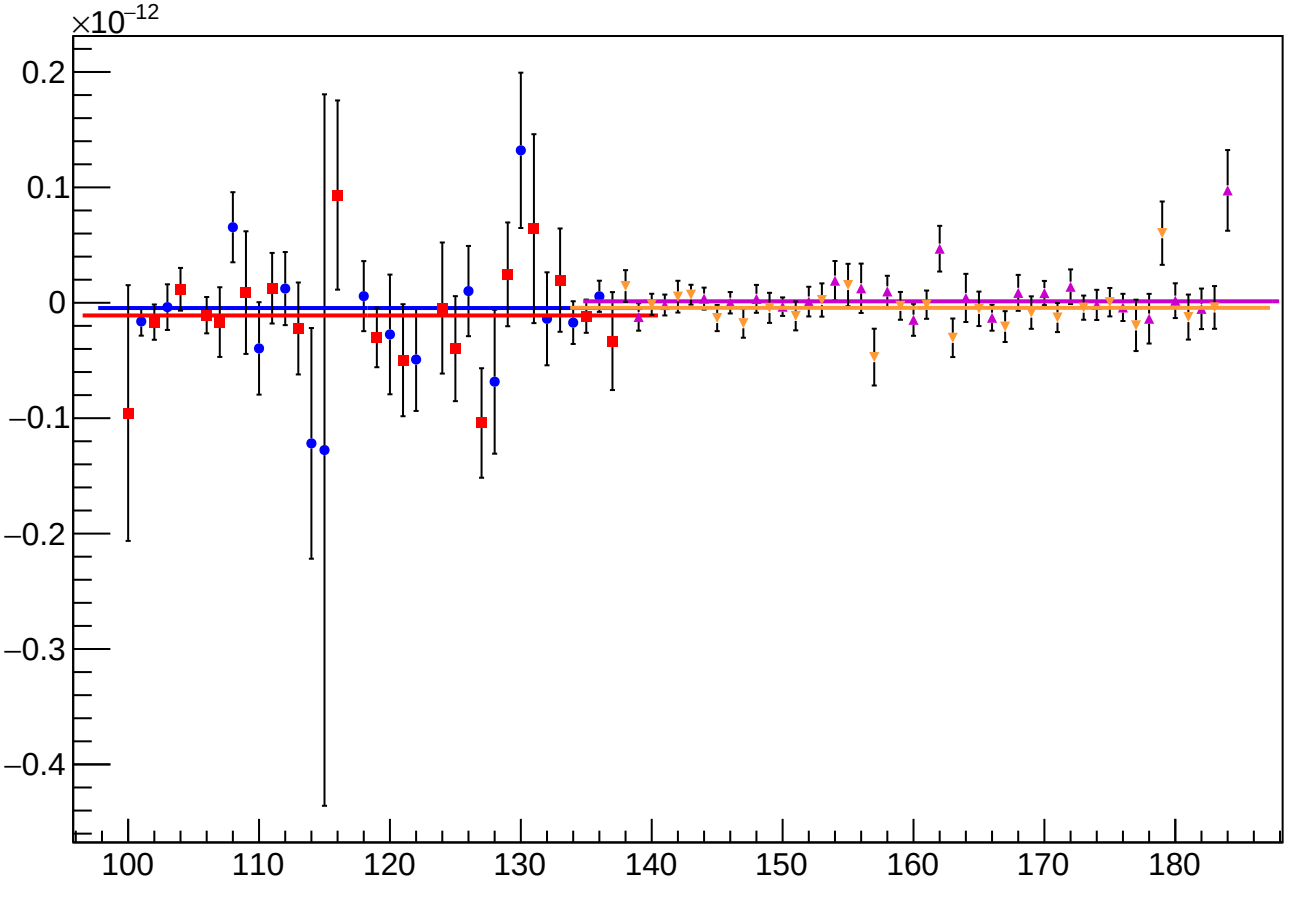
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 356.314+/-0.050 χ^2/NDF: 2344137.7/39

All: 354.222+/-0.036 χ^2/NDF: 4669505.7/81

- sign 352.136+/-0.050 χ^2/NDF: 2321929.7/41



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

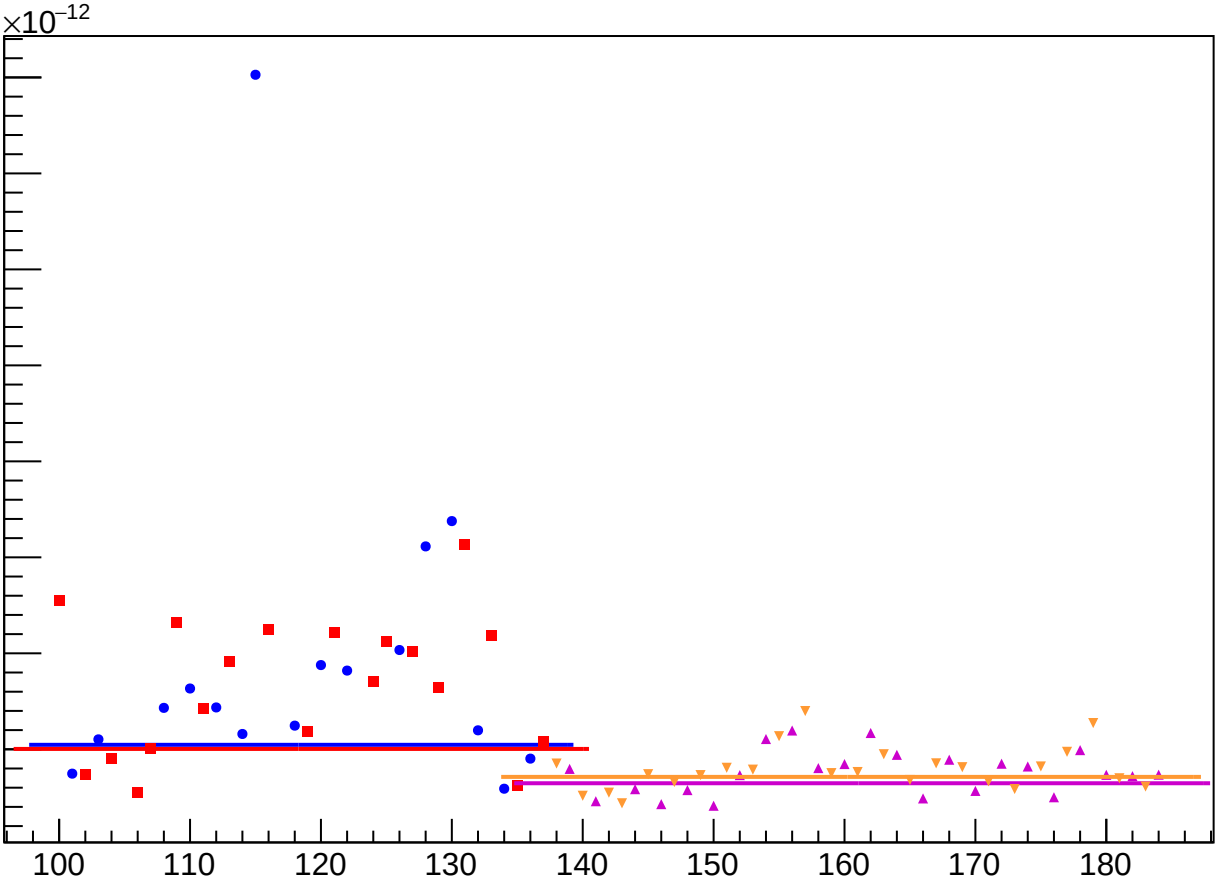
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/39

All: -0.000+/-0.000 χ^2/NDF: 76.5/81

- sign -0.000+/-0.000 χ^2/NDF: 37.2/41

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

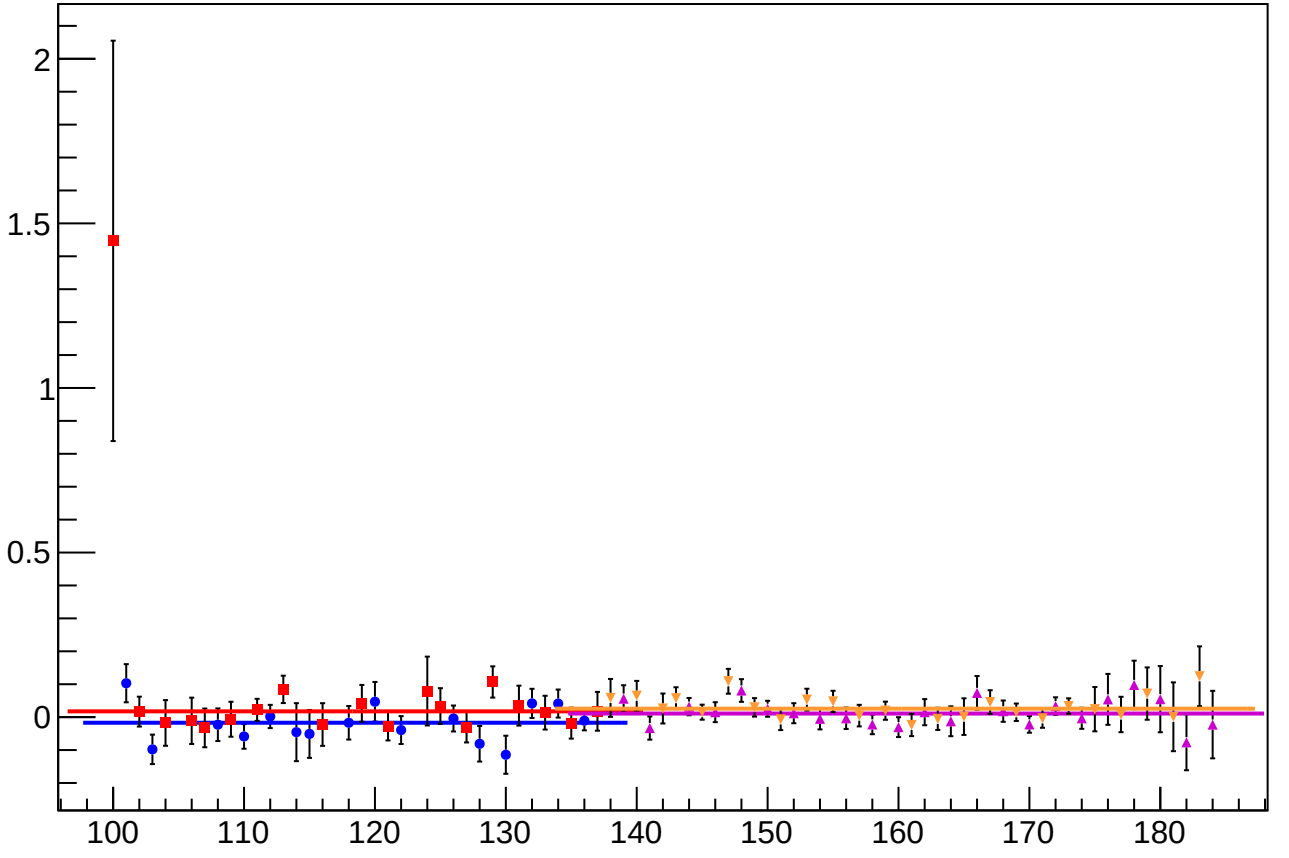
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 2512064.9/39

All: 0.000+/-0.000 χ^2/NDF: 5740963.2/81

- sign 0.000+/-0.000 χ^2/NDF: 3162134.3/41

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

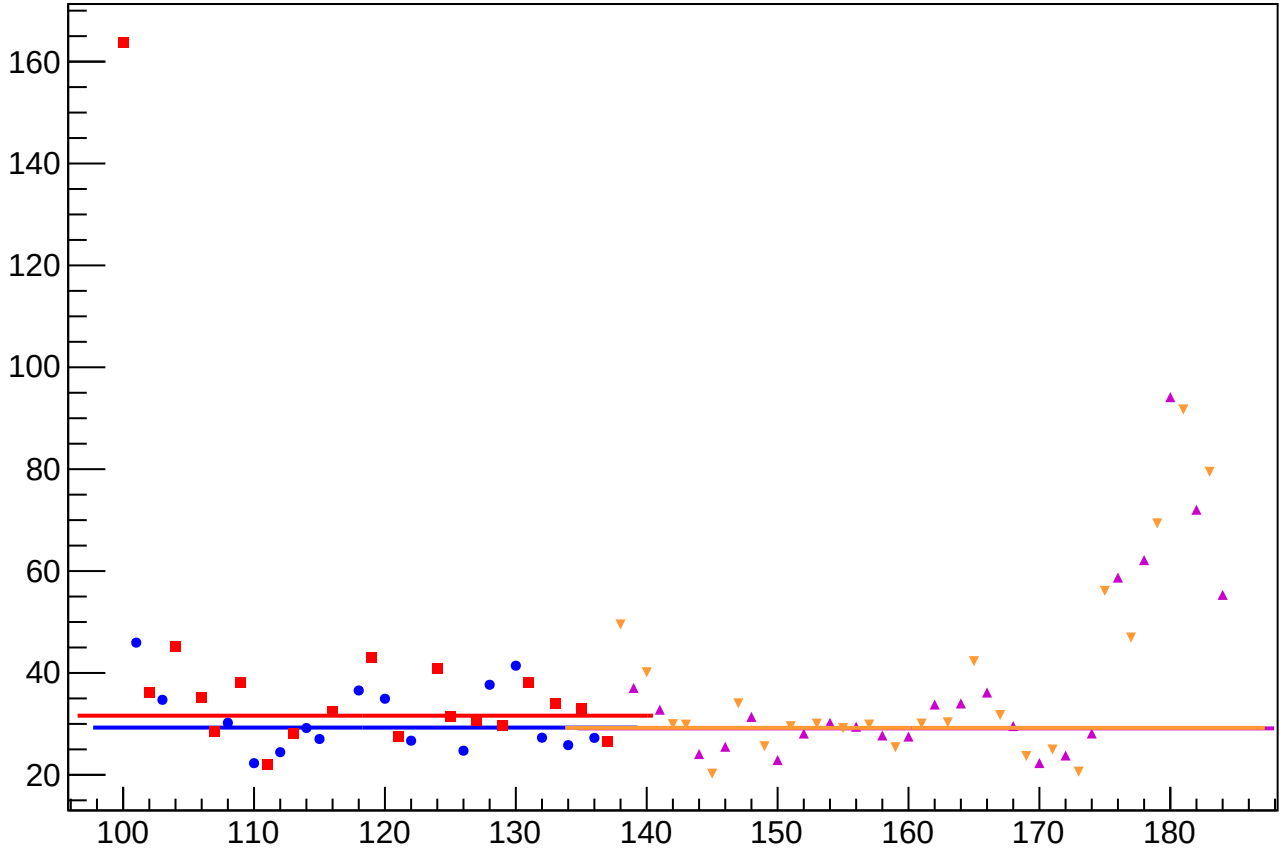
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 45.2/39

All: 0.013+/-0.004 χ^2/NDF: 81.2/81

- sign 0.013+/-0.006 χ^2/NDF: 36.0/41

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

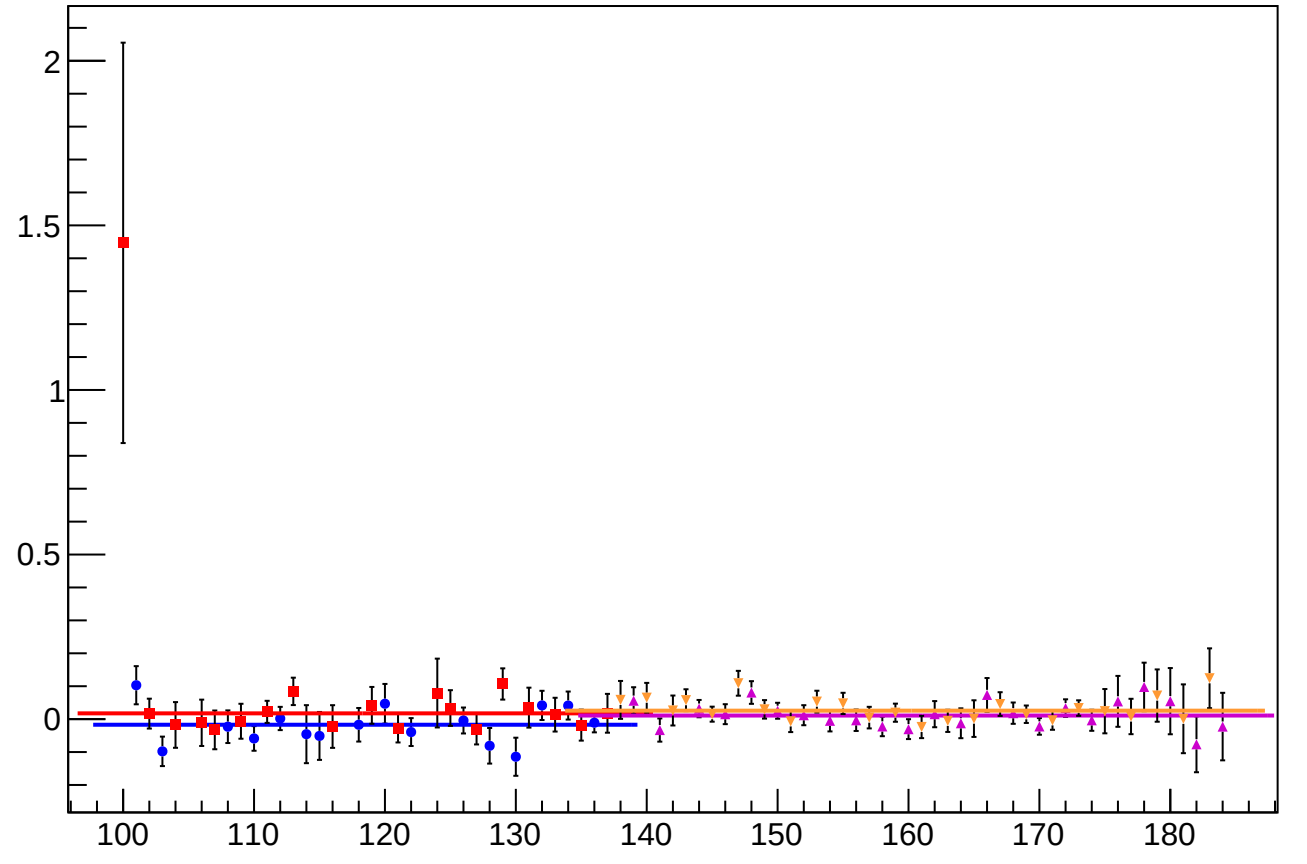
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.241+/-0.004 χ^2/NDF: 4239324.6/39

All: 29.507+/-0.003 χ^2/NDF: 7720560.9/81

- sign 29.788+/-0.004 χ^2/NDF: 3473355.6/41



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

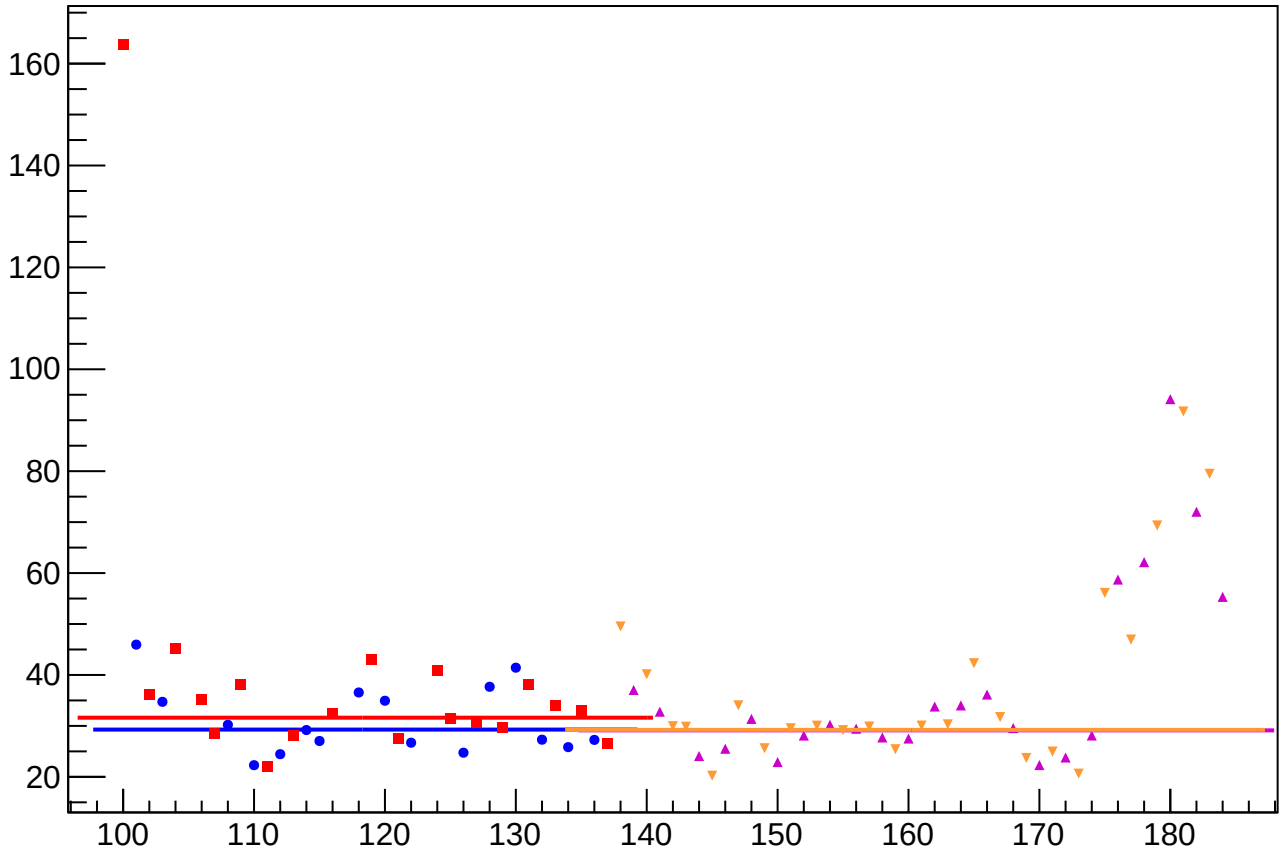
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 45.2/39

All: 0.013+/-0.004 χ^2/NDF: 81.2/81

- sign 0.013+/-0.006 χ^2/NDF: 36.0/41



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 29.226+/-0.005 χ^2/NDF:3678639.8/23

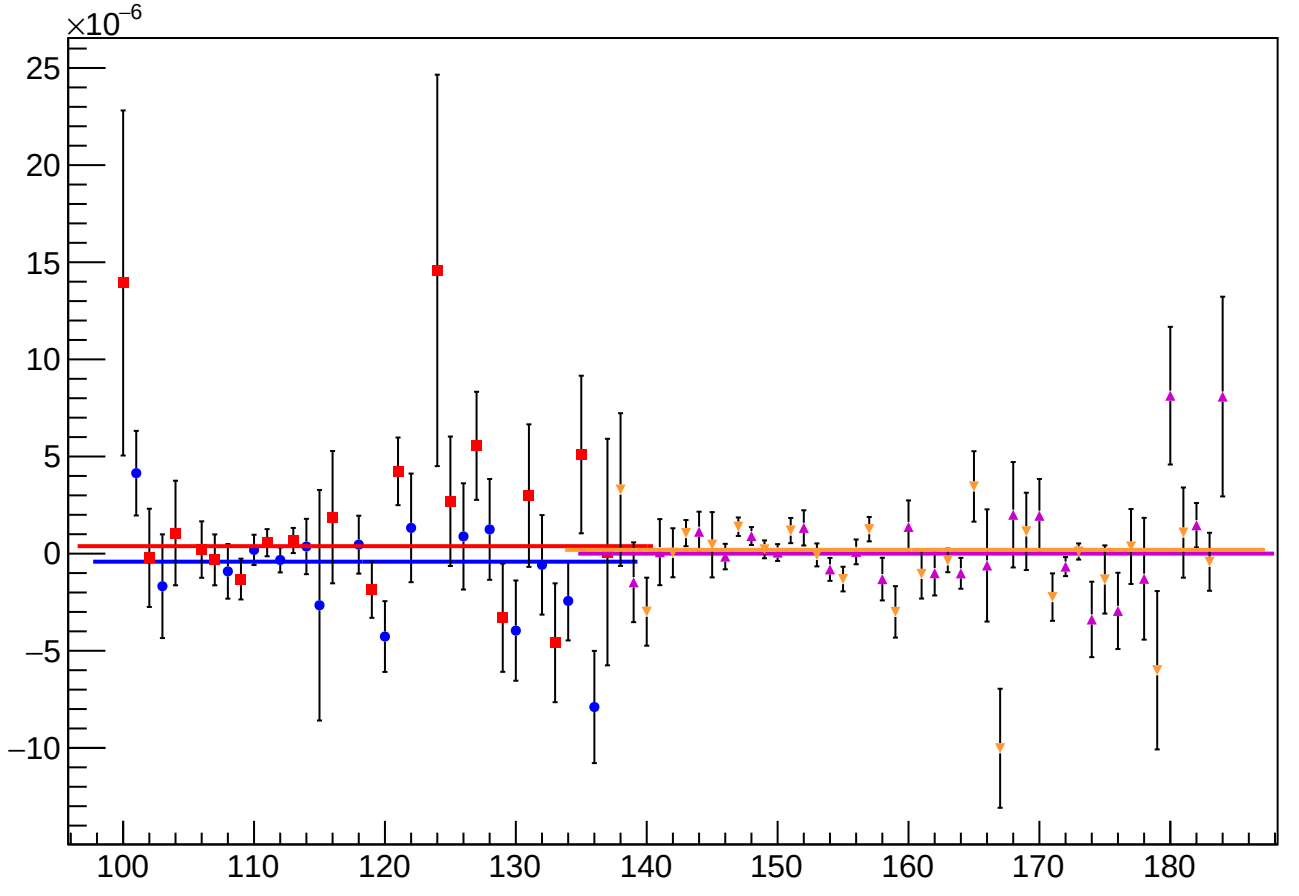
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.241+/-0.004 χ^2/NDF: 4239324.6/39

All: 29.507+/-0.003 χ^2/NDF: 7720560.9/81

- sign 29.788+/-0.004 χ^2/NDF: 3473355.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.4/23

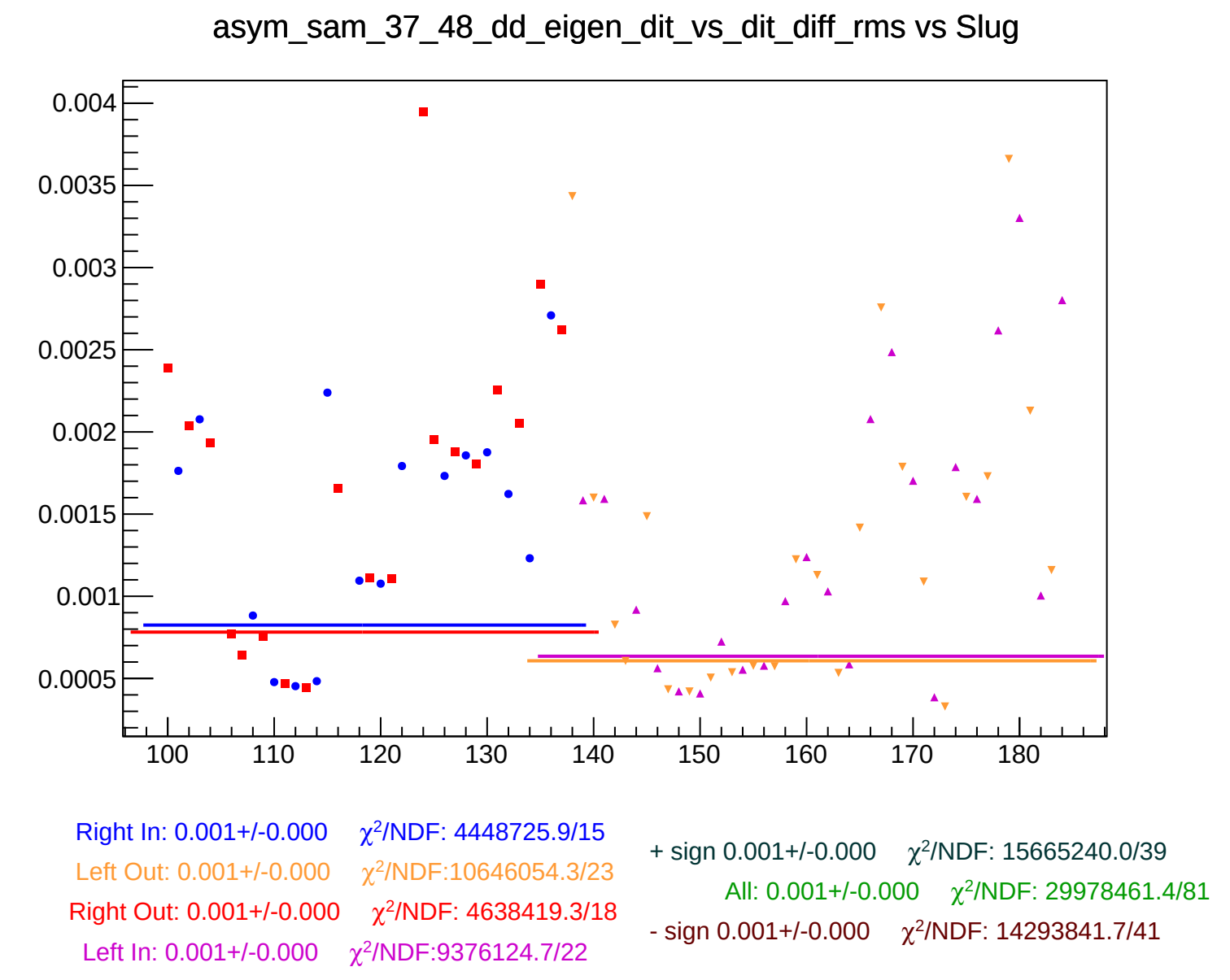
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

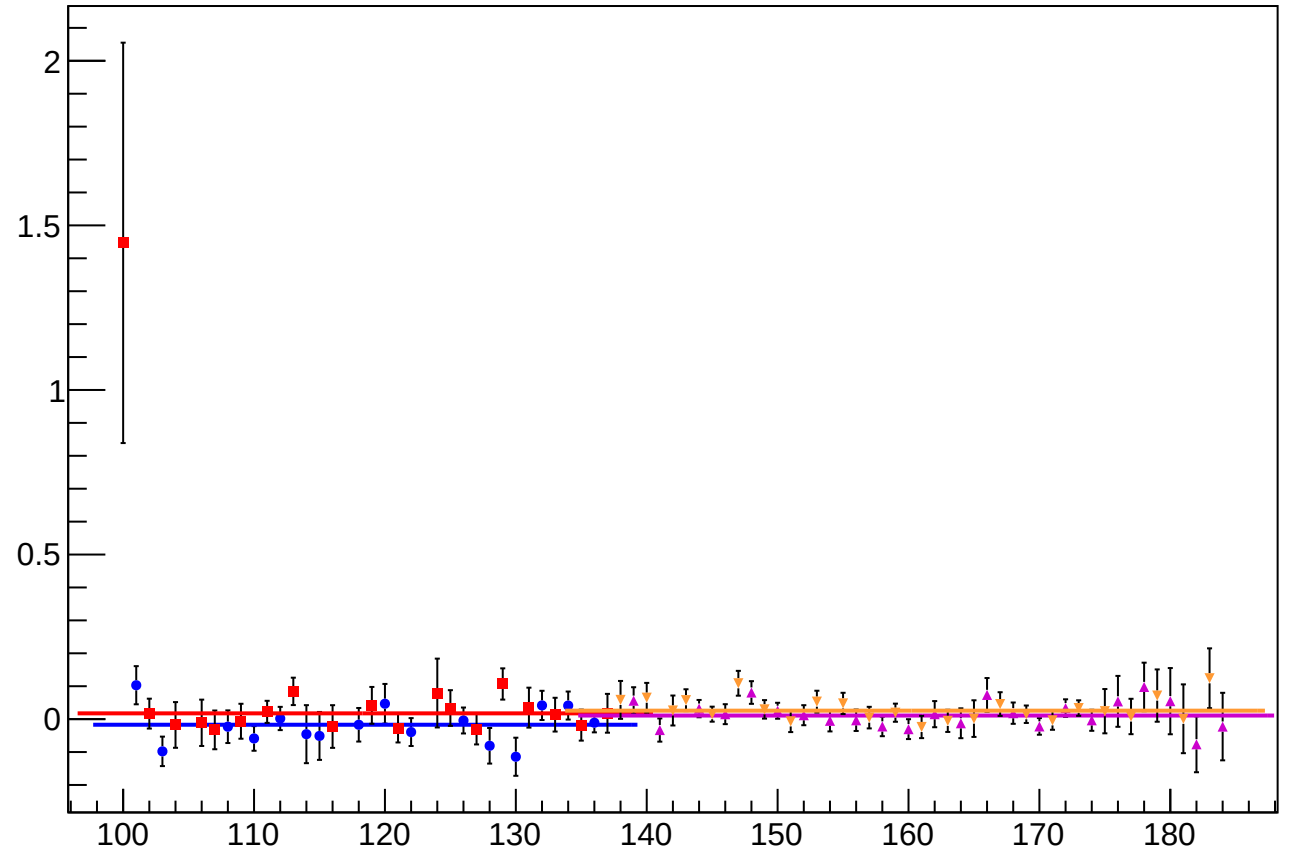
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.9/39

All: 0.000+/-0.000 χ^2/NDF: 135.1/81

- sign 0.000+/-0.000 χ^2/NDF: 59.2/41


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:9376124.7/22
+ sign 0.001+/-0.000 χ²/NDF: 15665240.0/39
All: 0.001+/-0.000 χ²/NDF: 29978461.4/81
- sign 0.001+/-0.000 χ²/NDF: 14293841.7/41



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

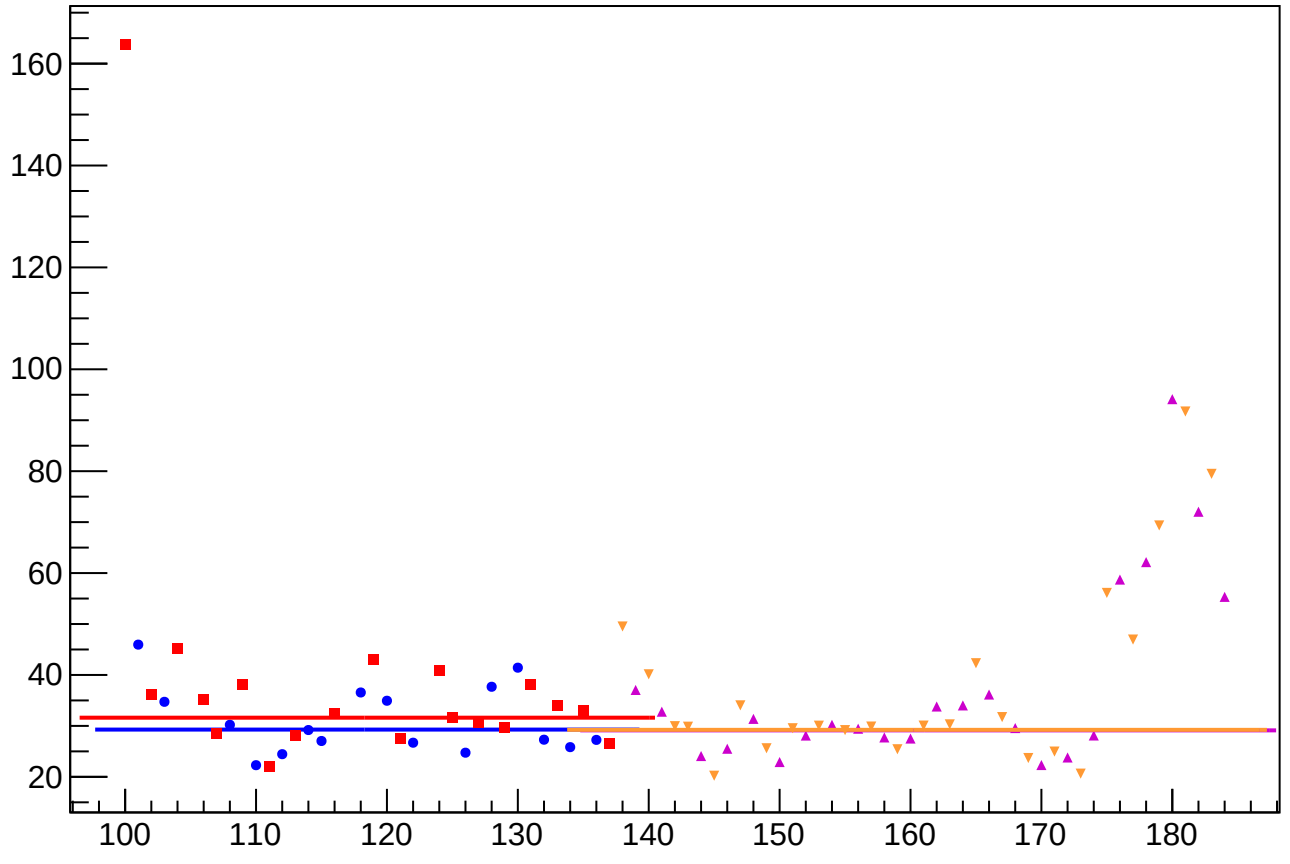
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 45.2/39

All: 0.013+/-0.004 χ^2/NDF: 81.2/81

- sign 0.013+/-0.006 χ^2/NDF: 36.0/41



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.226+/-0.005 χ^2/NDF:3678704.7/23

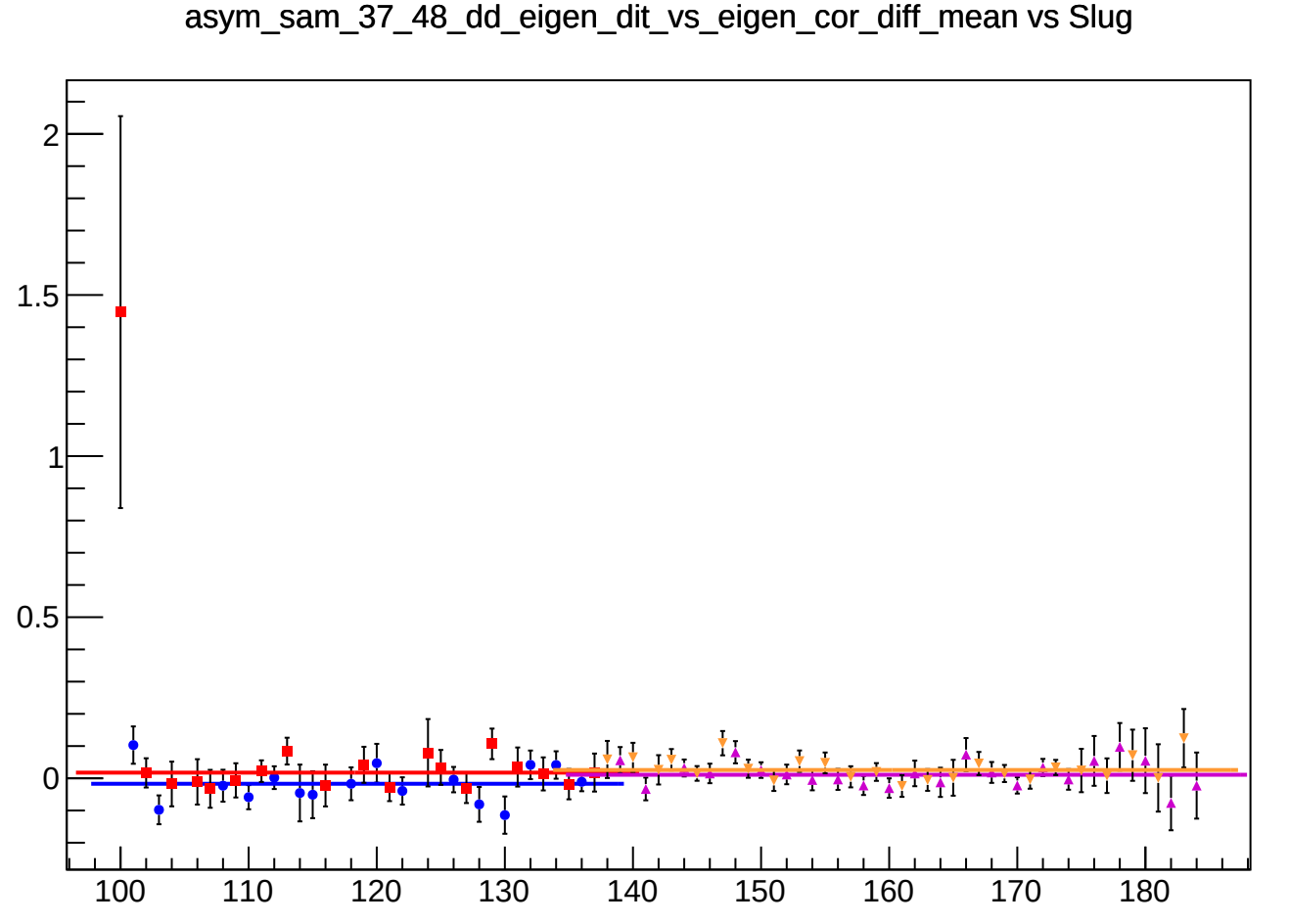
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.241+/-0.004 χ^2/NDF: 4239389.1/39

All: 29.507+/-0.003 χ^2/NDF: 7720607.9/81

- sign 29.788+/-0.004 χ^2/NDF: 3473336.8/41



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.007 χ^2/NDF:16.2/23

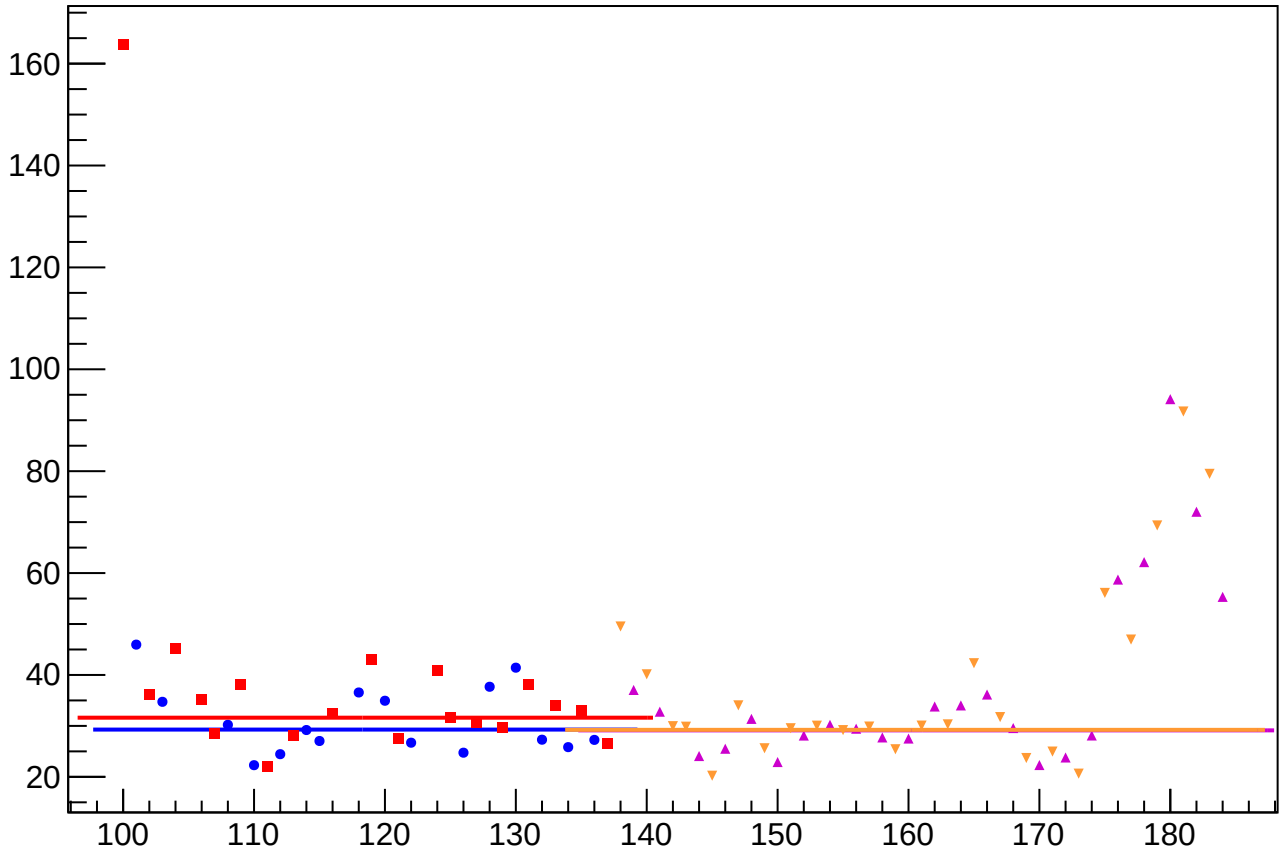
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 45.2/39

All: 0.013+/-0.004 χ^2/NDF: 81.2/81

- sign 0.013+/-0.006 χ^2/NDF: 36.0/41



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 29.226+/-0.005 χ^2/NDF:3678704.7/23

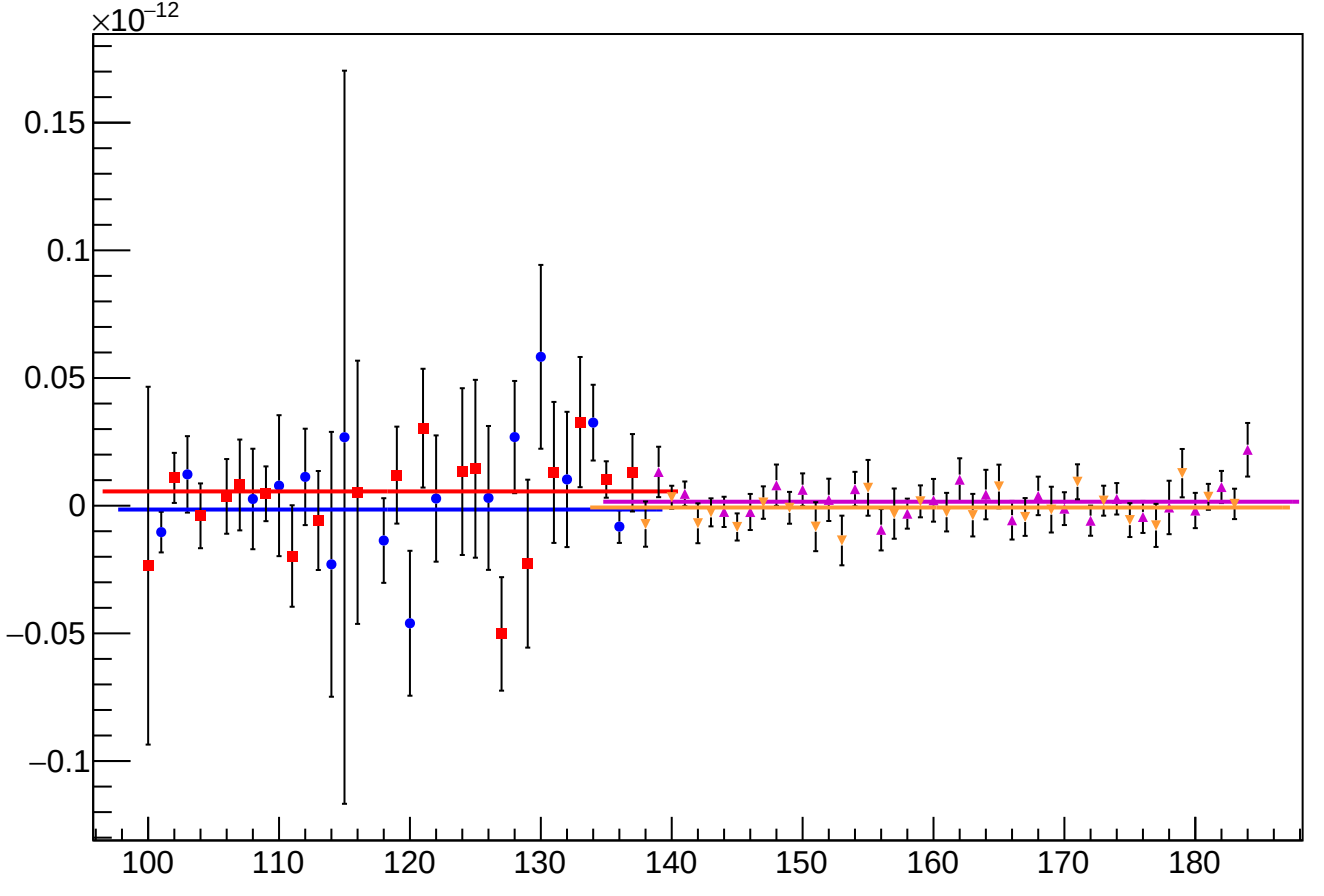
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.241+/-0.004 χ^2/NDF: 4239389.1/39

All: 29.507+/-0.003 χ^2/NDF: 7720607.9/81

- sign 29.788+/-0.004 χ^2/NDF: 3473336.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/23

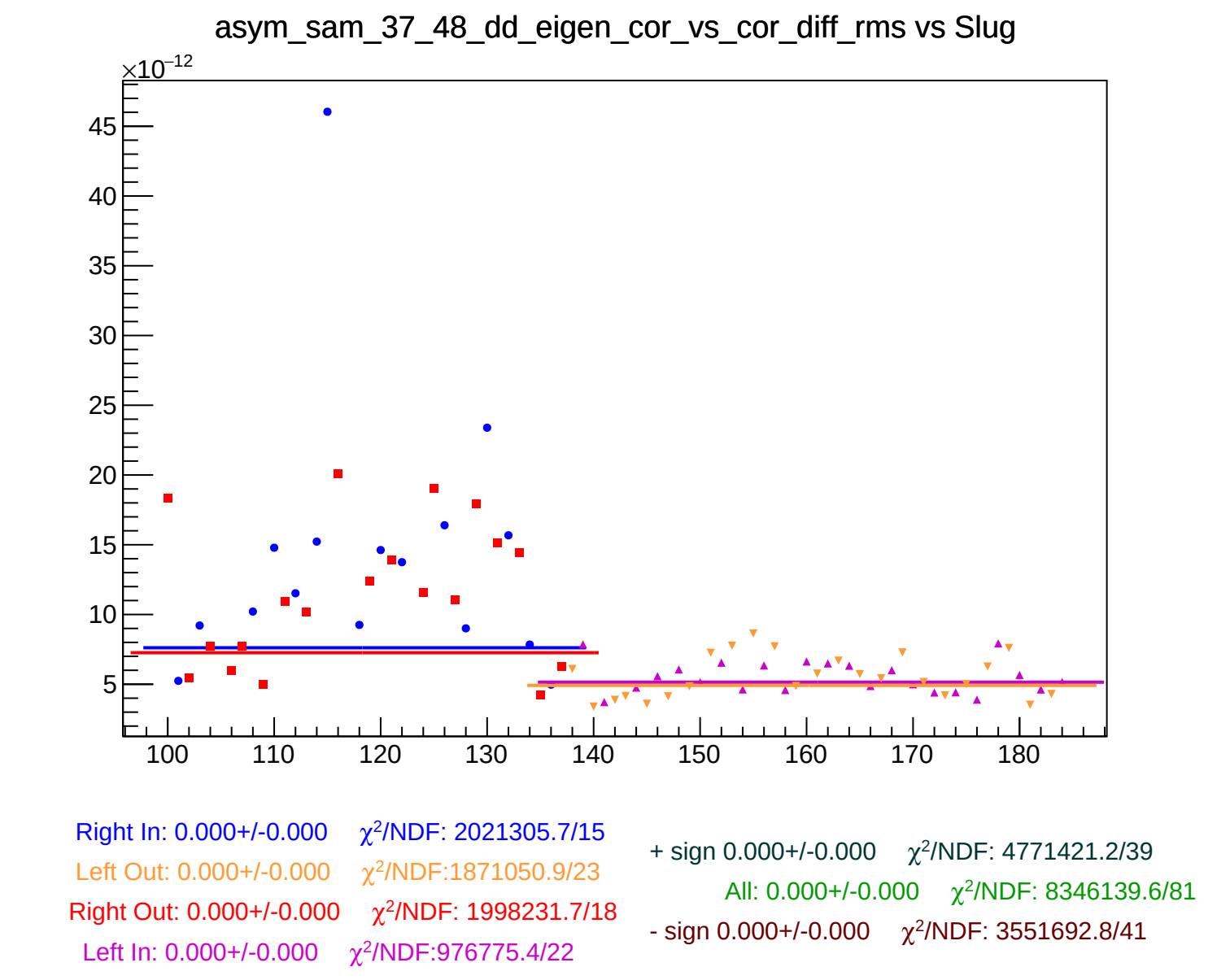
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

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

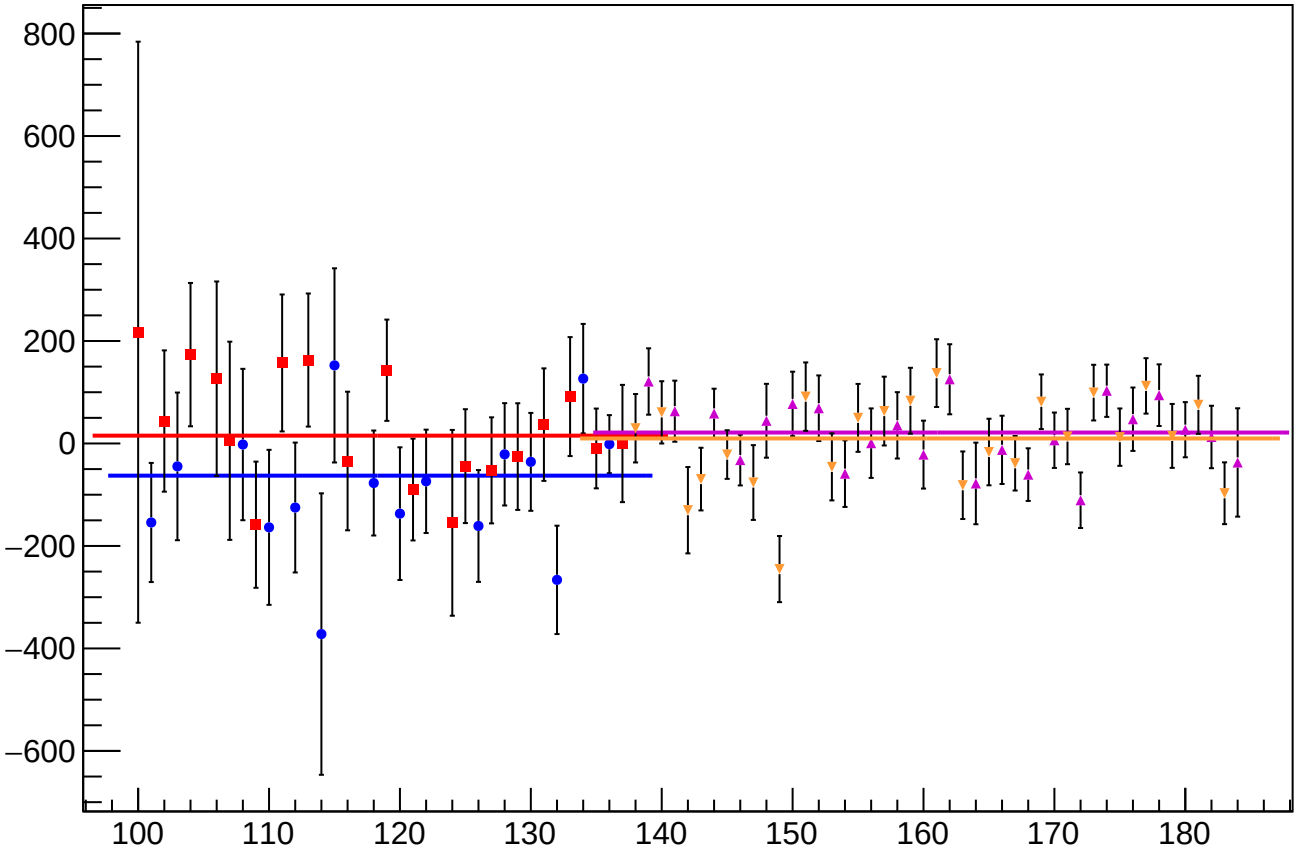
+ sign -0.000+/-0.000 χ^2/NDF: 32.0/39

All: 0.000+/-0.000 χ^2/NDF: 65.3/81

- sign 0.000+/-0.000 χ^2/NDF: 30.9/41


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
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: 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:976775.4/22
+ sign 0.000+/-0.000 χ²/NDF: 4771421.2/39
All: 0.000+/-0.000 χ²/NDF: 8346139.6/81
- sign 0.000+/-0.000 χ²/NDF: 3551692.8/41

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

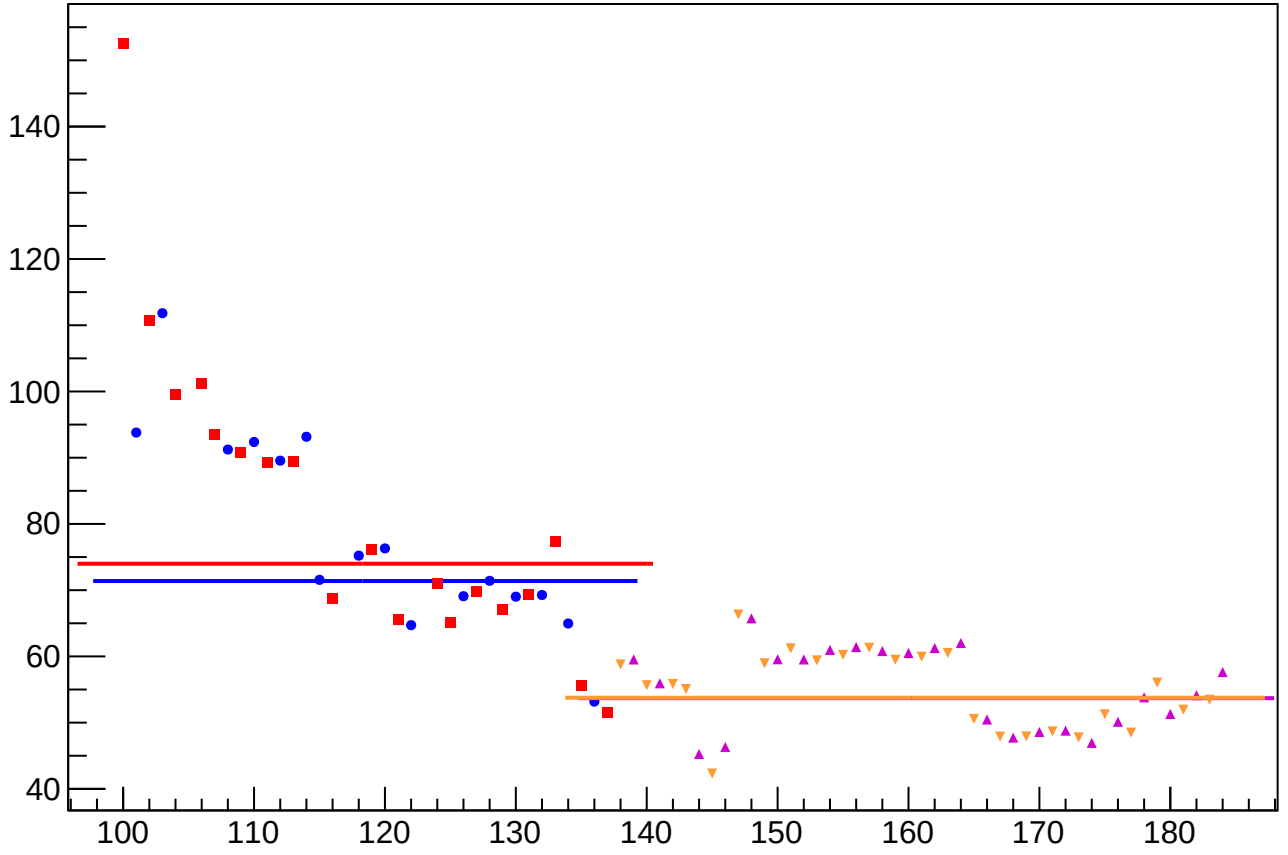
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -2.676+/-11.278 χ^2/NDF: 65.8/39

All: 8.574+/-8.056 χ^2/NDF: 104.8/81

- sign 20.296+/-11.511 χ^2/NDF: 36.9/41

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

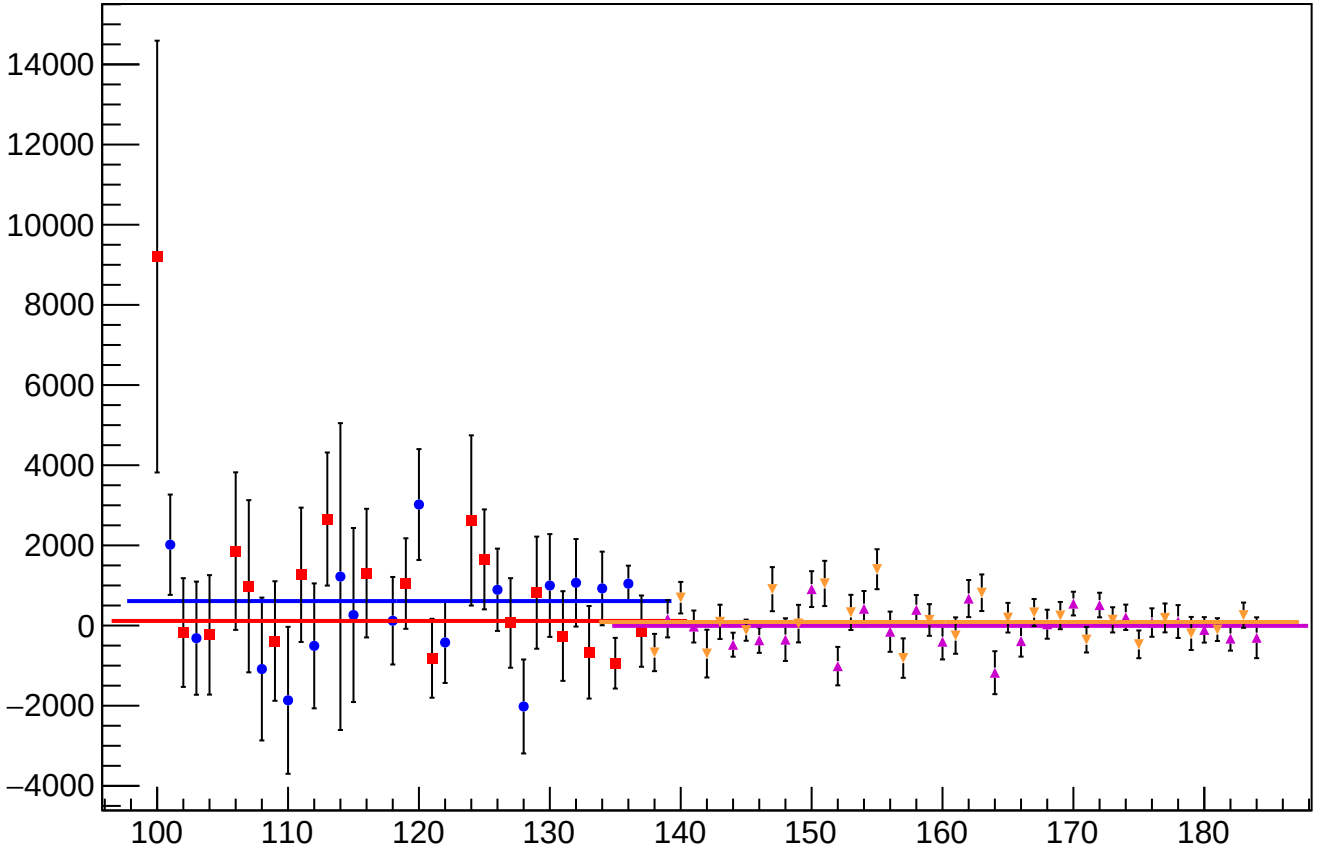
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.785+/-0.008 χ^2/NDF: 1751381.1/39

All: 56.980+/-0.006 χ^2/NDF: 3747403.6/81

- sign 57.183+/-0.008 χ^2/NDF: 1994804.9/41

asym_sam_15_26_dd_reg_correction_mean vs Slug



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

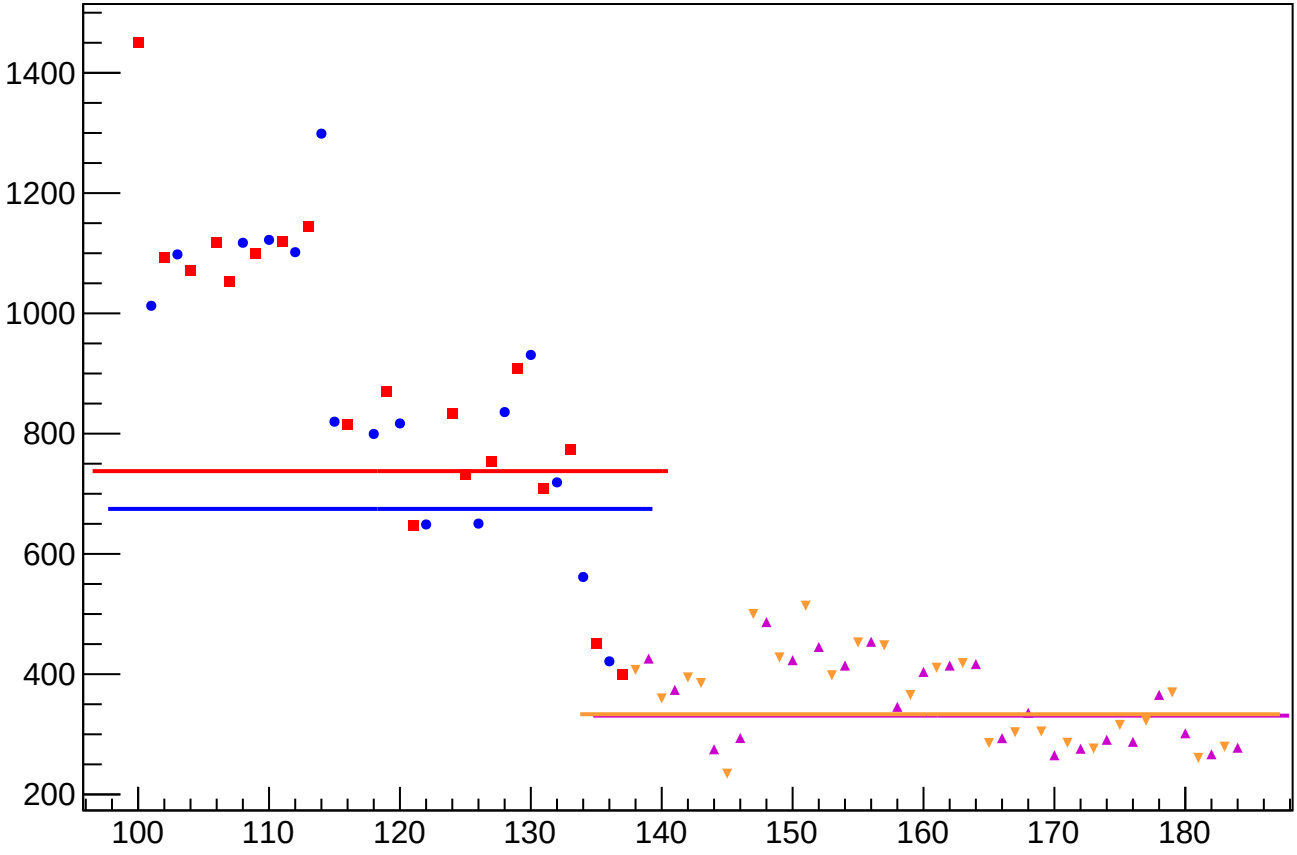
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 130.097+/-75.113 χ^2/NDF: 52.1/39

All: 66.465+/-53.503 χ^2/NDF: 101.6/81

- sign 0.928+/-76.228 χ^2/NDF: 48.0/41

asym_sam_15_26_dd_reg_correction_rms vs Slug



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

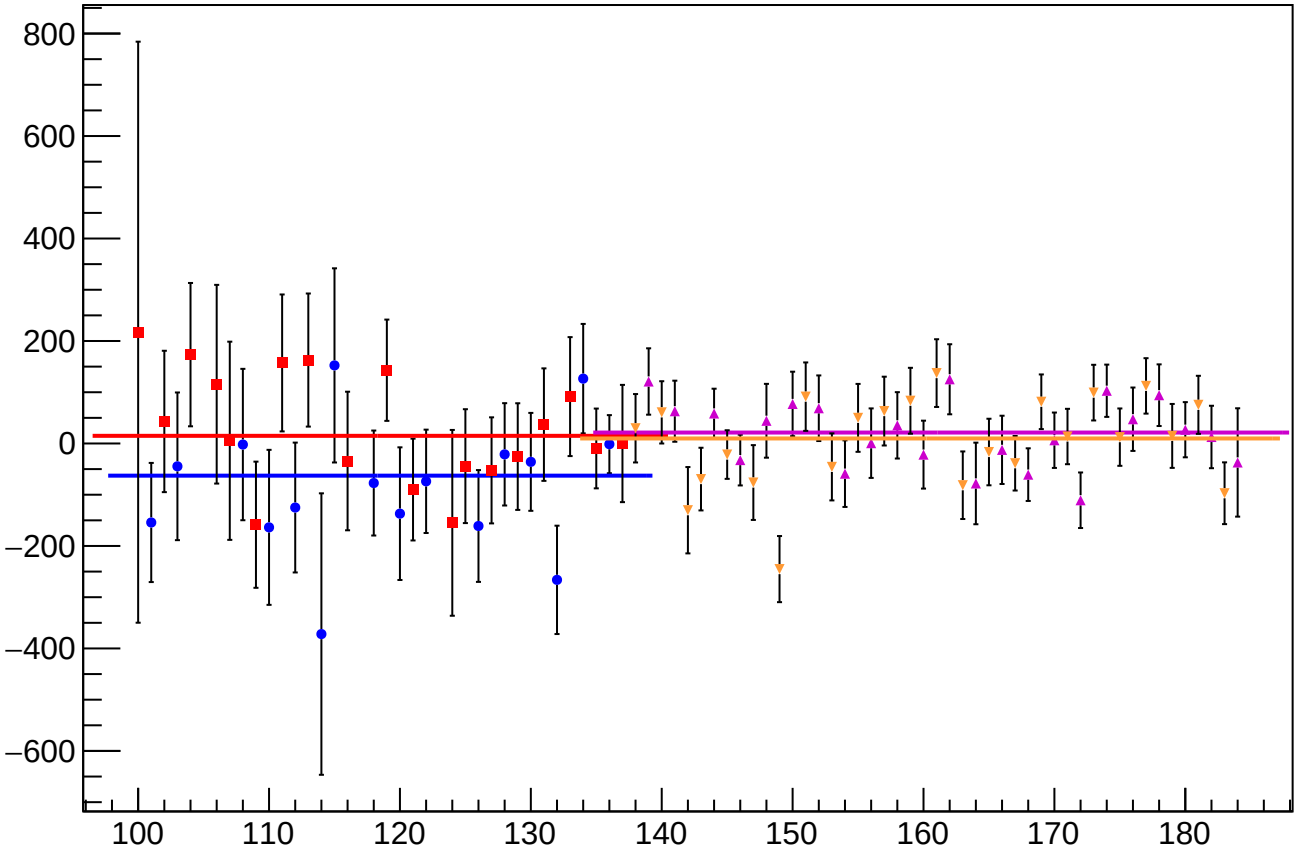
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 360.456+/-0.053 χ^2/NDF: 6285493.8/39

All: 360.373+/-0.038 χ^2/NDF: 12924579.5/81

- sign 360.288+/-0.054 χ^2/NDF: 6639080.8/41

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

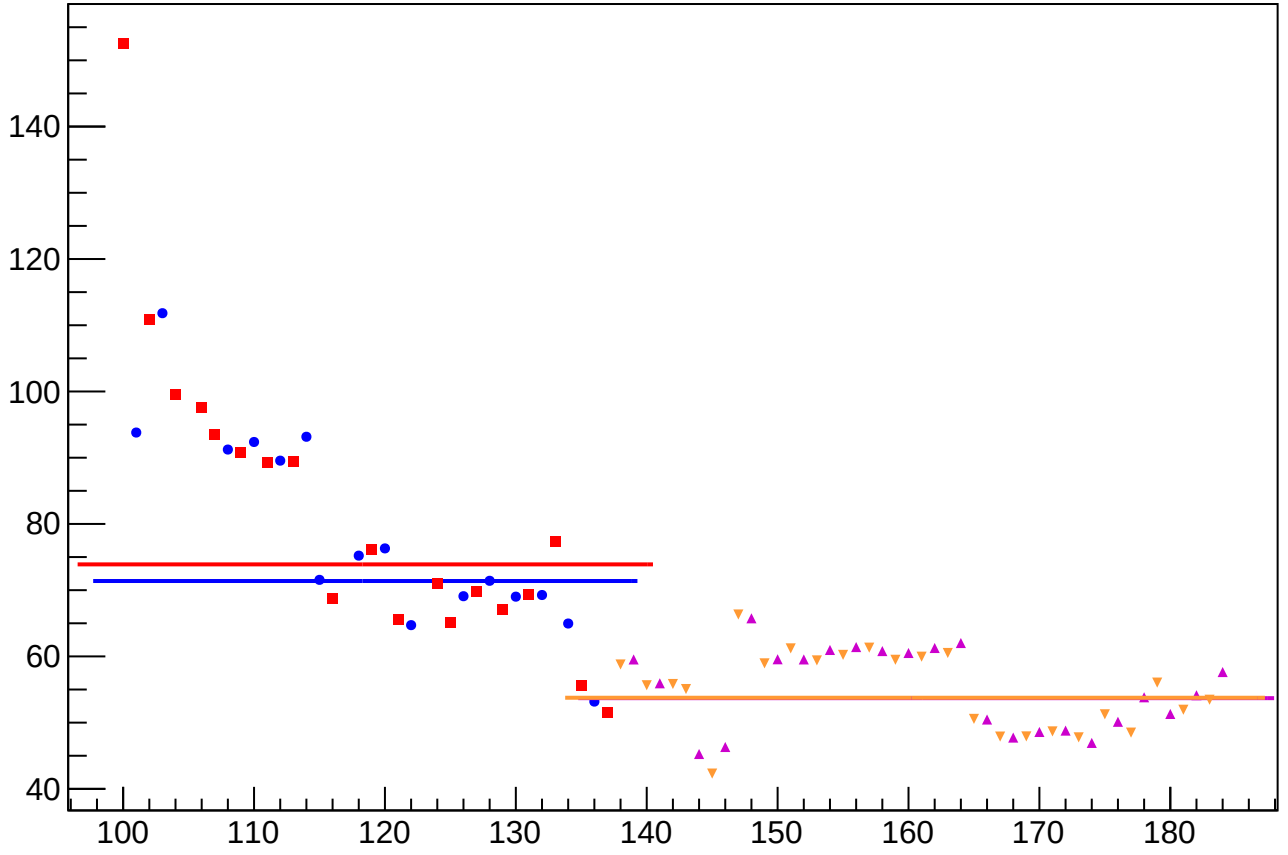
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -2.673+/-11.278 χ^2/NDF: 65.8/39

All: 8.545+/-8.056 χ^2/NDF: 104.7/81

- sign 20.235+/-11.512 χ^2/NDF: 36.8/41

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

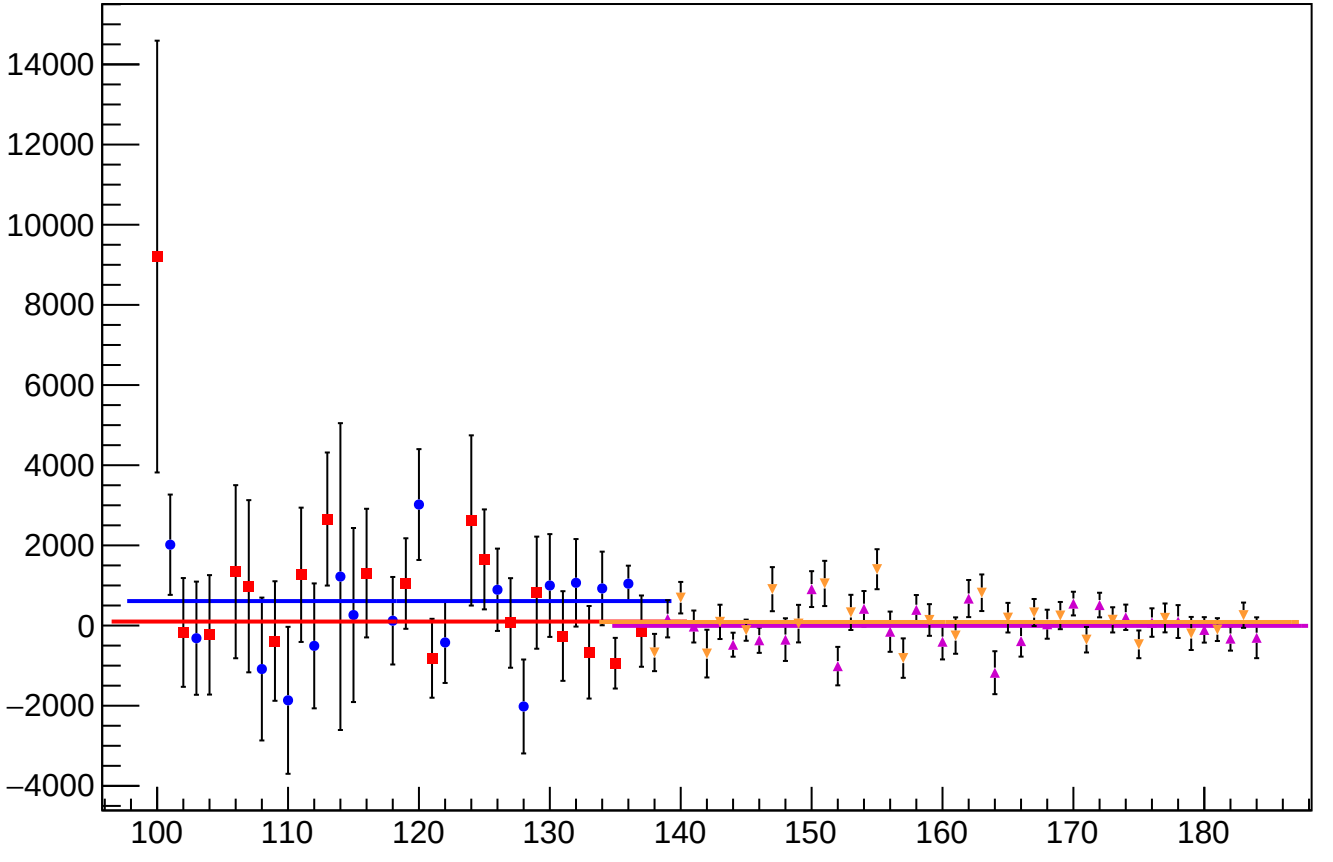
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.785+/-0.008 χ^2/NDF: 1751383.7/39

All: 56.970+/-0.006 χ^2/NDF: 3726488.0/81

- sign 57.163+/-0.008 χ^2/NDF: 1974005.6/41

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 88.740+/-78.279 χ^2/NDF:32.9/23

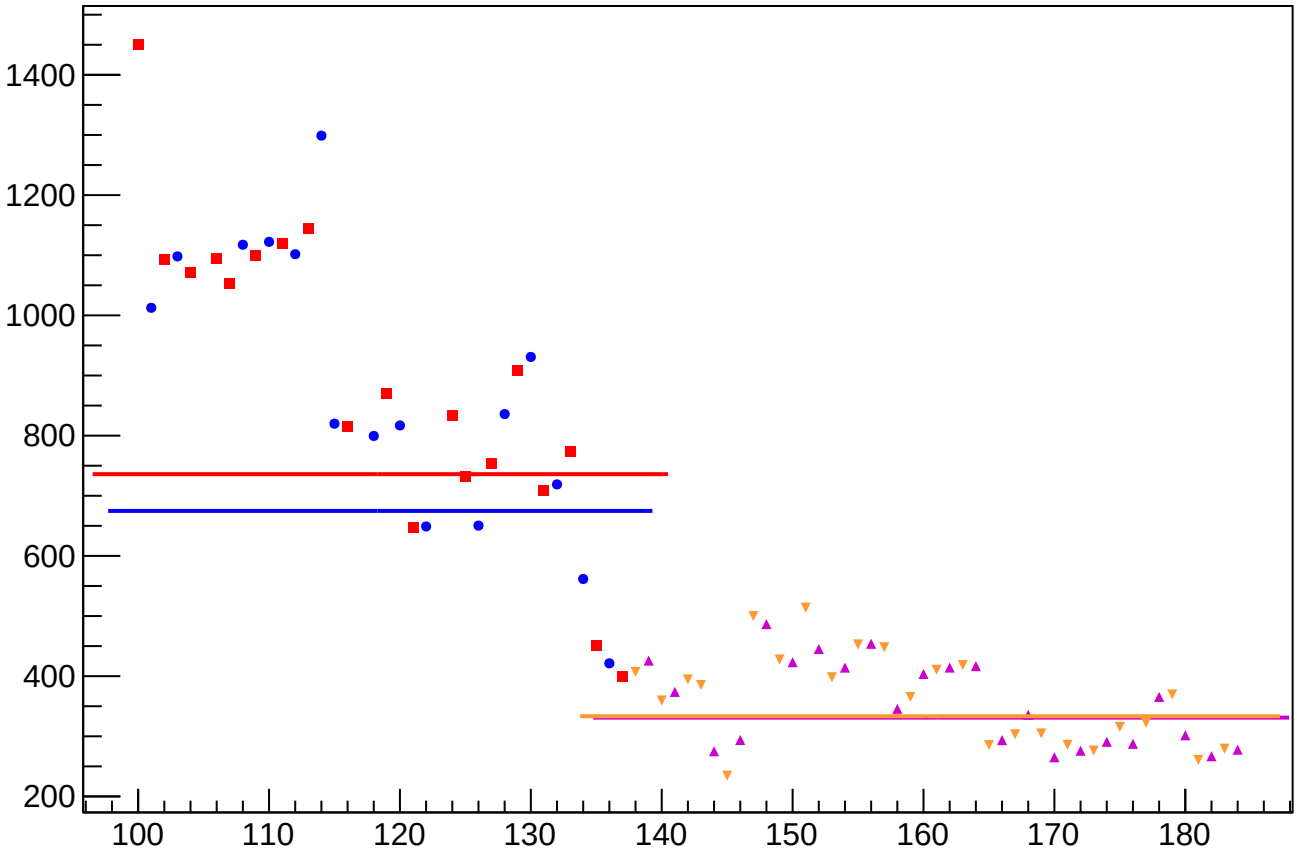
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 130.097+/-75.113 χ^2/NDF: 52.1/39

All: 65.928+/-53.506 χ^2/NDF: 101.2/81

- sign -0.179+/-76.238 χ^2/NDF: 47.5/41



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 333.394+/-0.055 χ^2/NDF:1652054.4/23

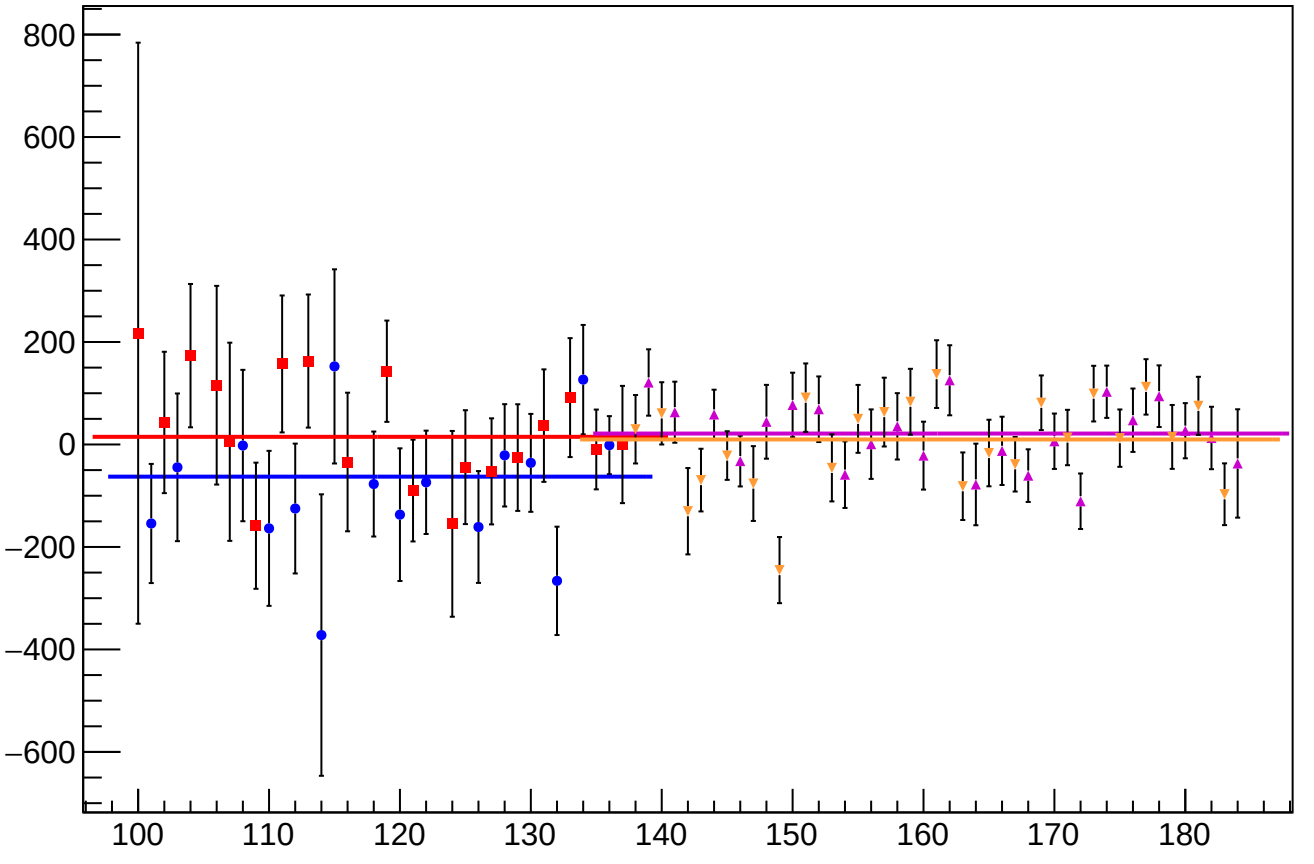
Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 360.456+/-0.053 χ^2/NDF: 6285519.4/39

All: 360.263+/-0.038 χ^2/NDF: 12859438.2/81

- sign 360.064+/-0.054 χ^2/NDF: 6573892.0/41



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

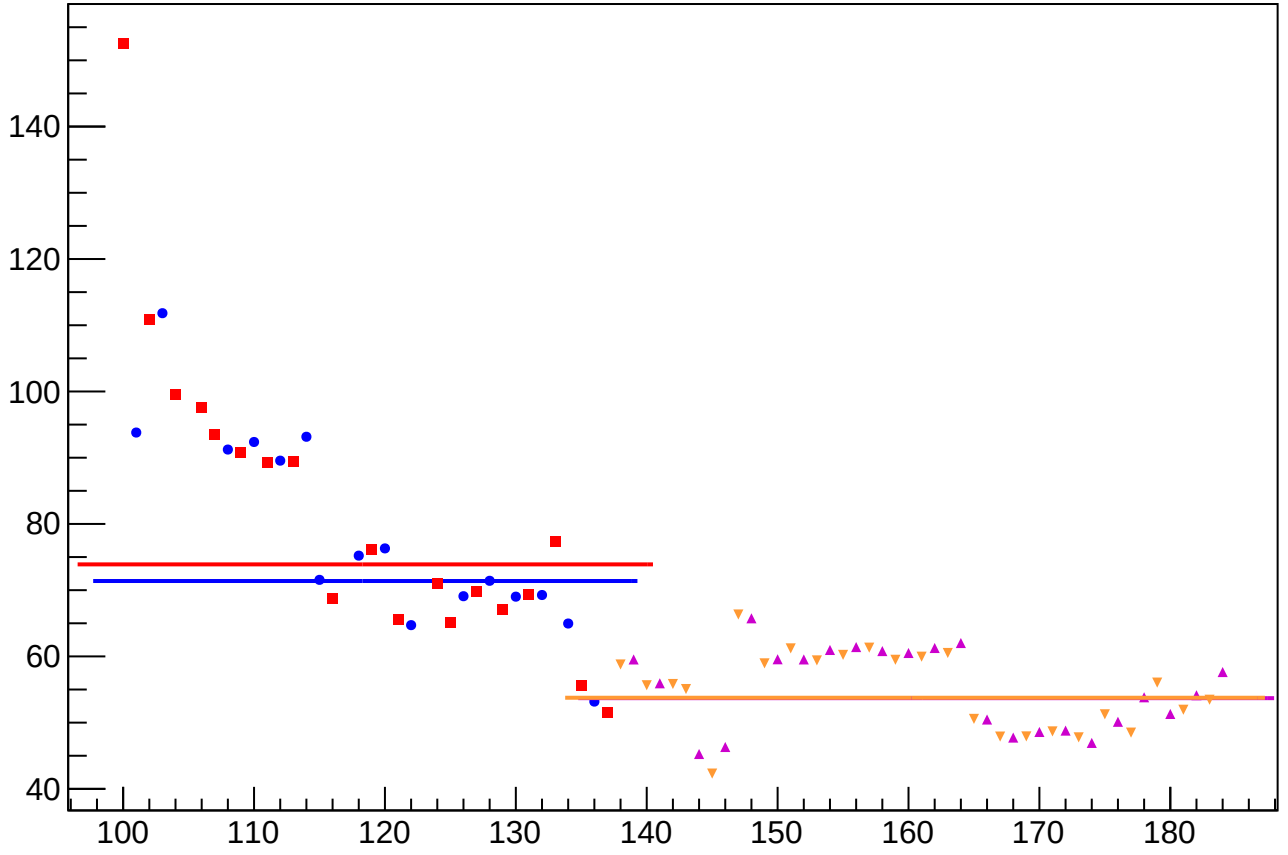
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -2.673+/-11.278 χ^2/NDF: 65.8/39

All: 8.545+/-8.056 χ^2/NDF: 104.7/81

- sign 20.235+/-11.512 χ^2/NDF: 36.8/41

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

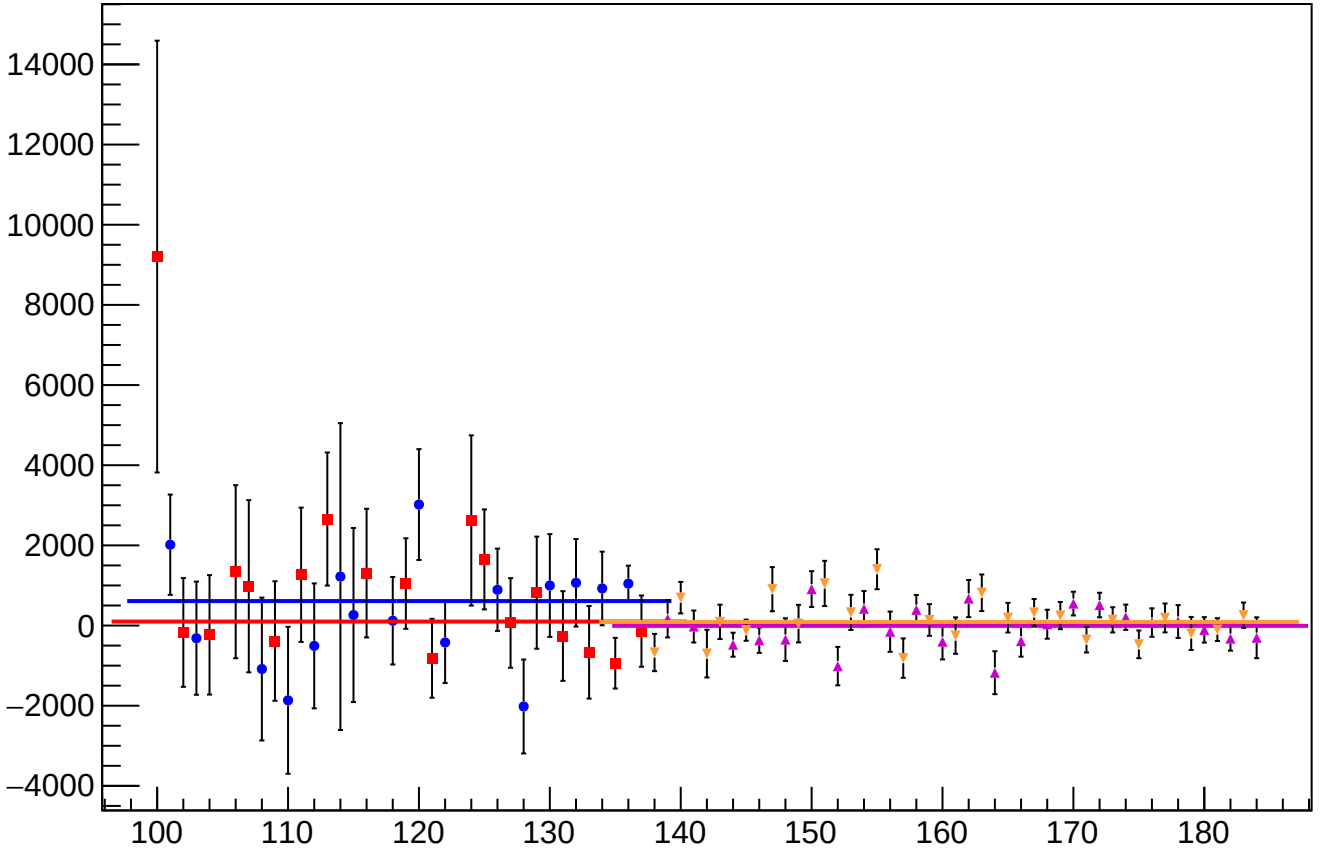
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.785+/-0.008 χ^2/NDF: 1751383.7/39

All: 56.970+/-0.006 χ^2/NDF: 3726488.0/81

- sign 57.163+/-0.008 χ^2/NDF: 1974005.6/41

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 88.740+/-78.279 χ^2/NDF:32.9/23

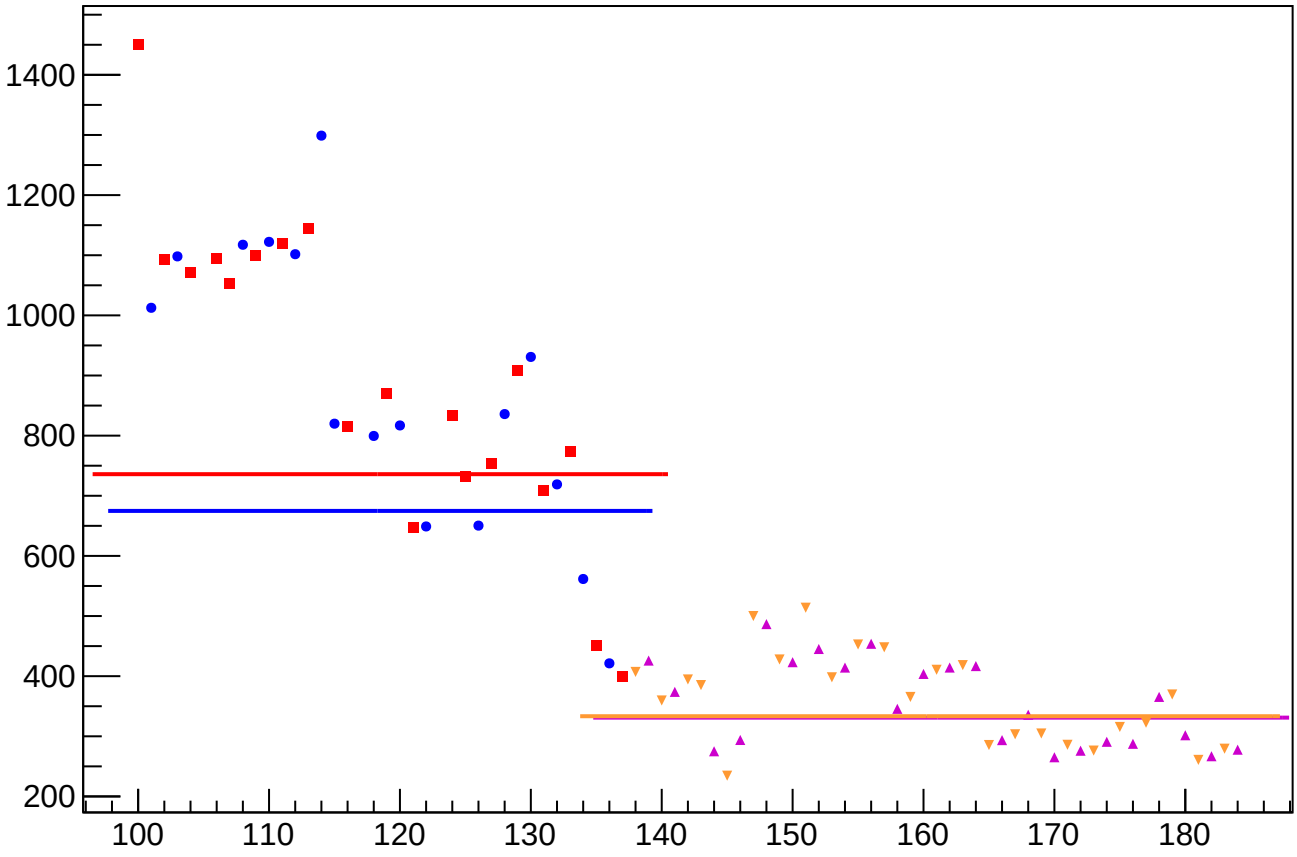
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 130.097+/-75.113 χ^2/NDF: 52.1/39

All: 65.928+/-53.506 χ^2/NDF: 101.2/81

- sign -0.179+/-76.238 χ^2/NDF: 47.5/41



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

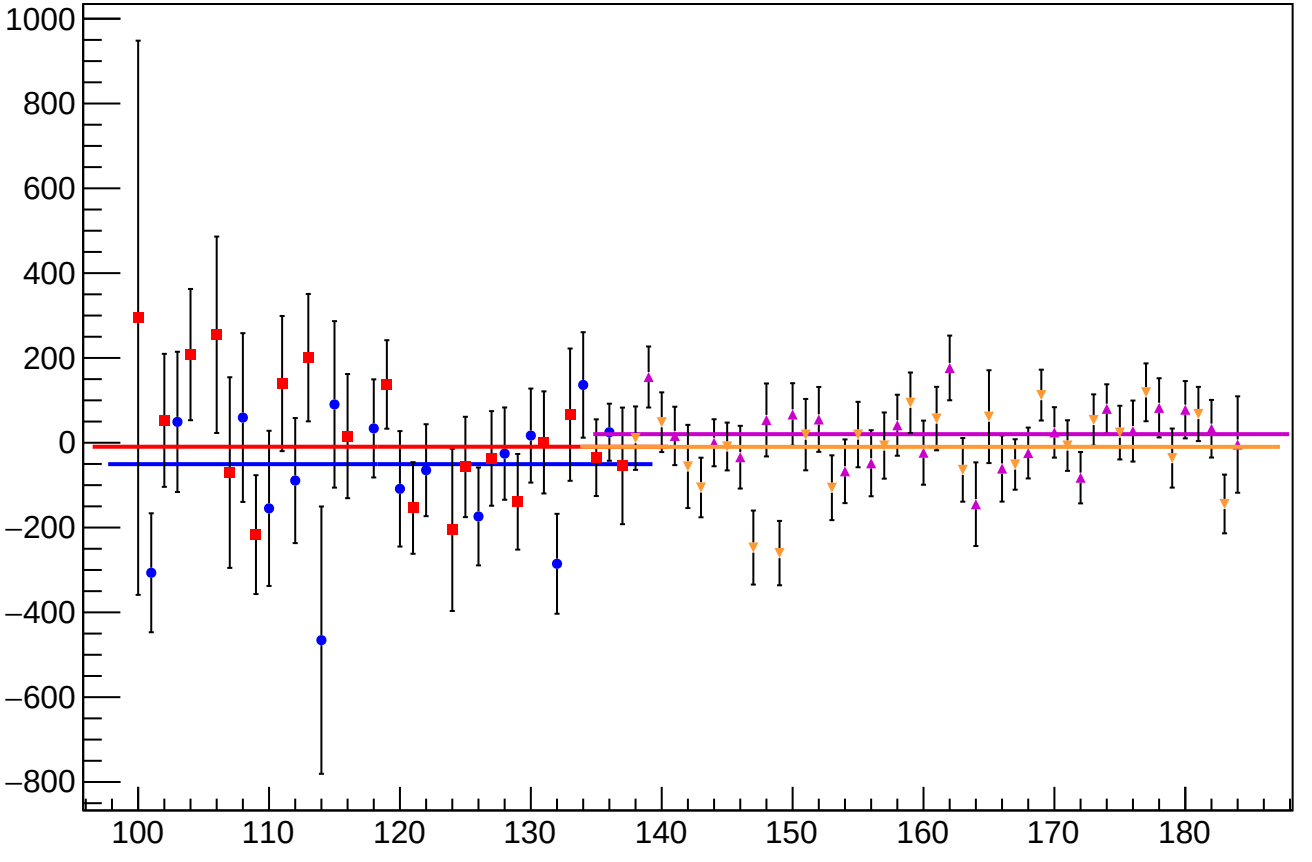
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 360.456+/-0.053 χ^2/NDF: 6285519.4/39

All: 360.263+/-0.038 χ^2/NDF: 12859438.2/81

- sign 360.064+/-0.054 χ^2/NDF: 6573892.0/41

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

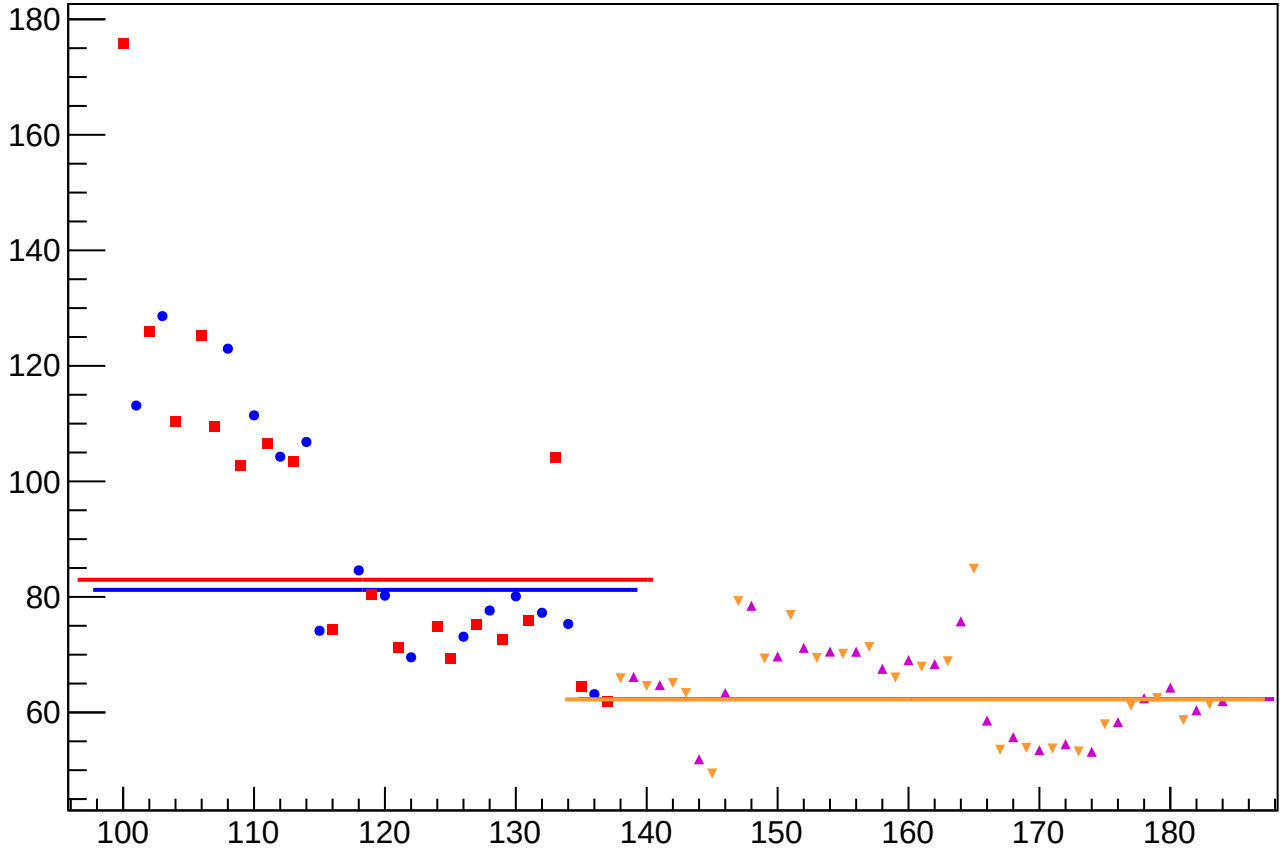
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -16.860+/-13.061 χ^2/NDF: 59.7/39

All: -1.317+/-9.332 χ^2/NDF: 100.5/81

- sign 14.893+/-13.338 χ^2/NDF: 38.0/41

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

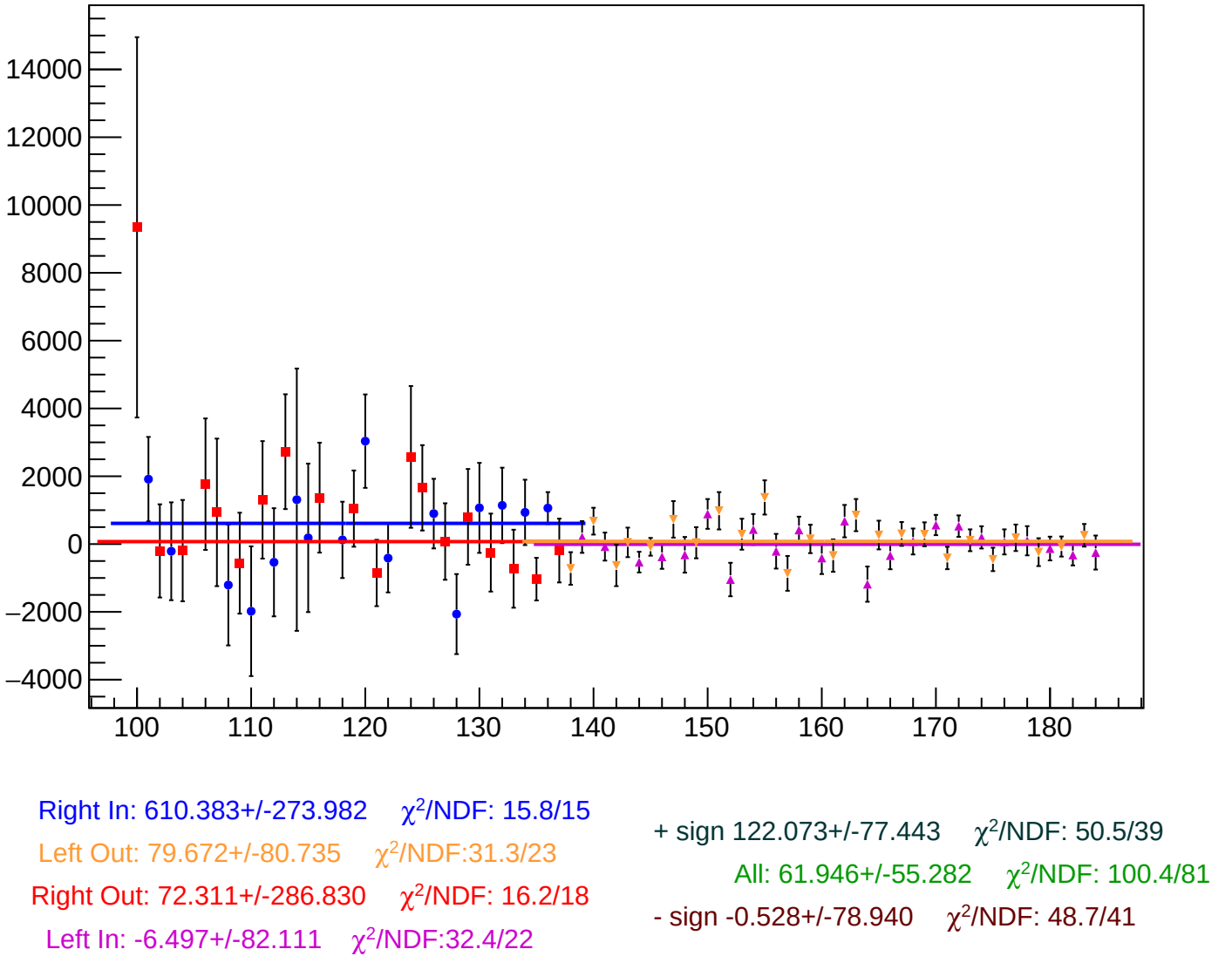
Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

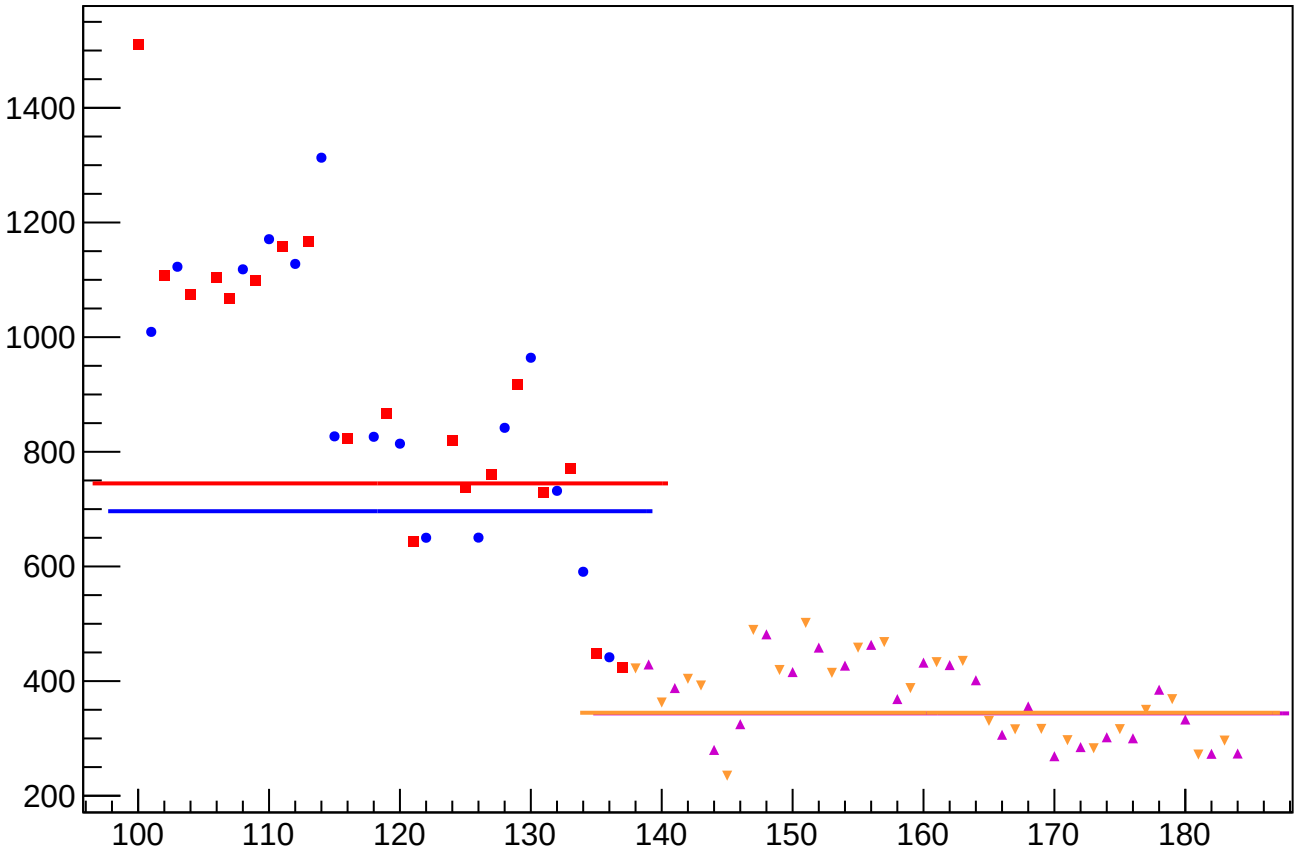
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 65.609+/-0.009 χ^2/NDF: 1909722.4/39

All: 65.838+/-0.007 χ^2/NDF: 3841418.9/81

- sign 66.078+/-0.009 χ^2/NDF: 1930435.0/41


asym_sam_15_26_dd_dit_correction_mean vs Slug
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 610.383+/-273.982 χ²/NDF: 15.8/15
Left Out: 79.672+/-80.735 χ²/NDF:31.3/23
Right Out: 72.311+/-286.830 χ²/NDF: 16.2/18
Left In: -6.497+/-82.111 χ²/NDF:32.4/22
+ sign 122.073+/-77.443 χ²/NDF: 50.5/39
All: 61.946+/-55.282 χ²/NDF: 100.4/81
- sign -0.528+/-78.940 χ²/NDF: 48.7/41



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

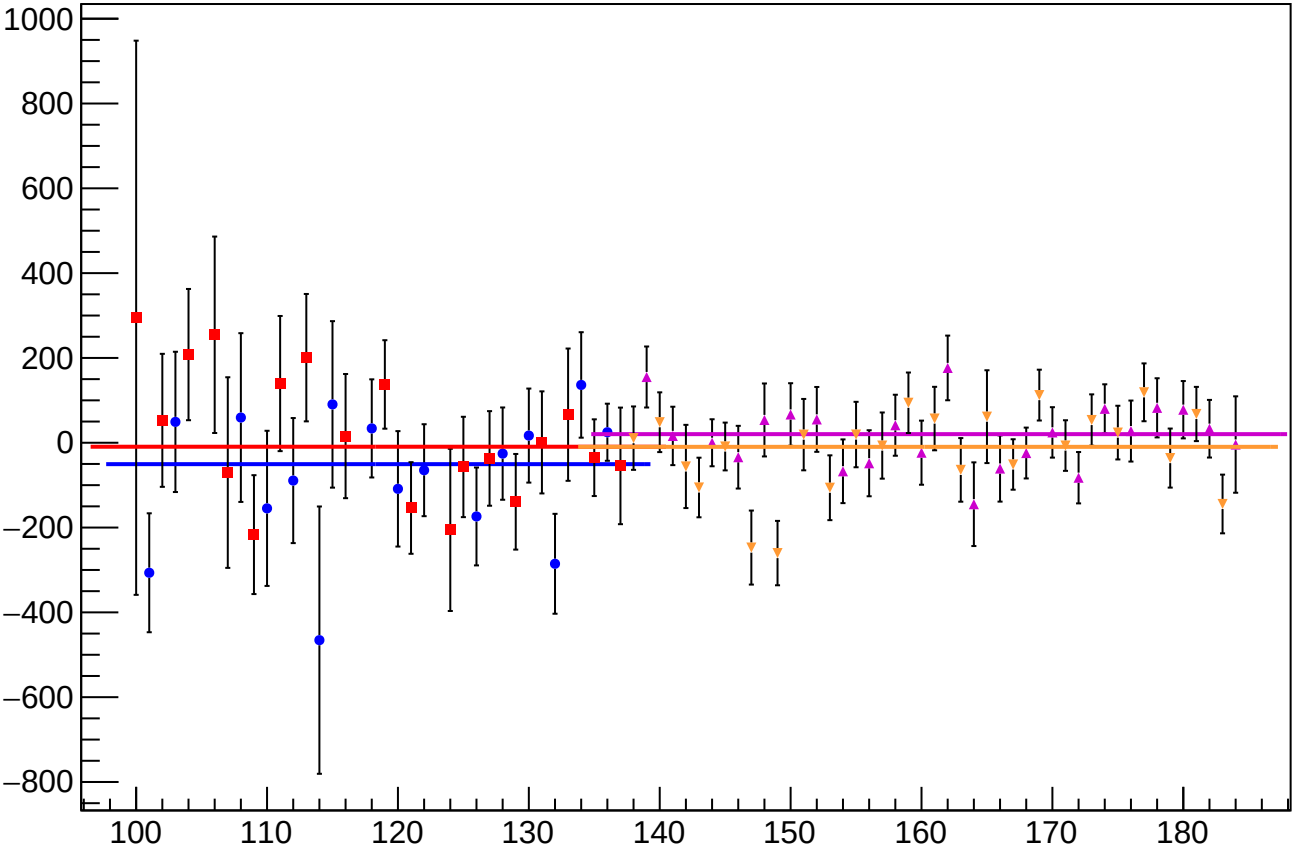
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 372.897+/-0.055 χ^2/NDF: 6105972.7/39

All: 373.488+/-0.039 χ^2/NDF: 12478746.3/81

- sign 374.102+/-0.056 χ^2/NDF: 6372536.2/41

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

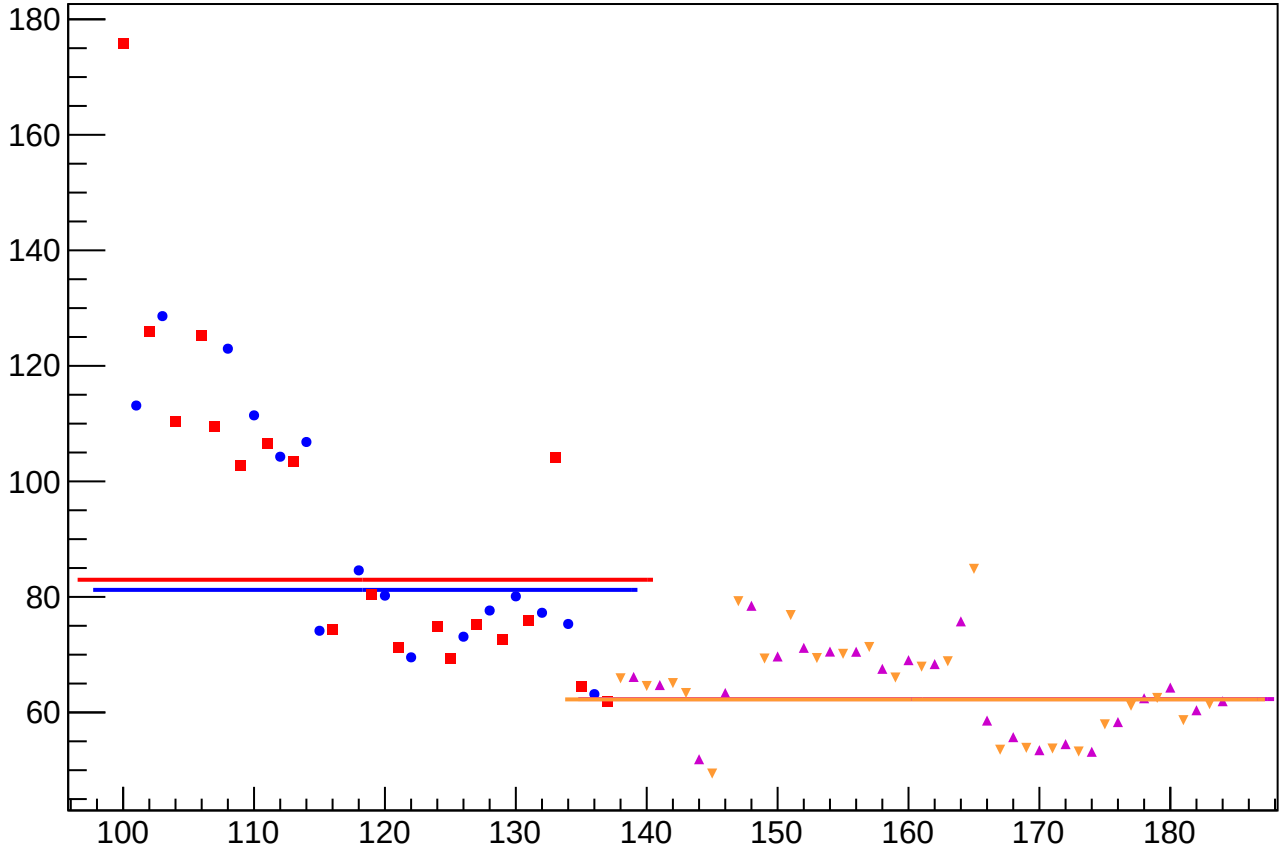
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -16.860+/-13.061 χ^2/NDF: 59.7/39

All: -1.317+/-9.332 χ^2/NDF: 100.5/81

- sign 14.893+/-13.338 χ^2/NDF: 38.0/41

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

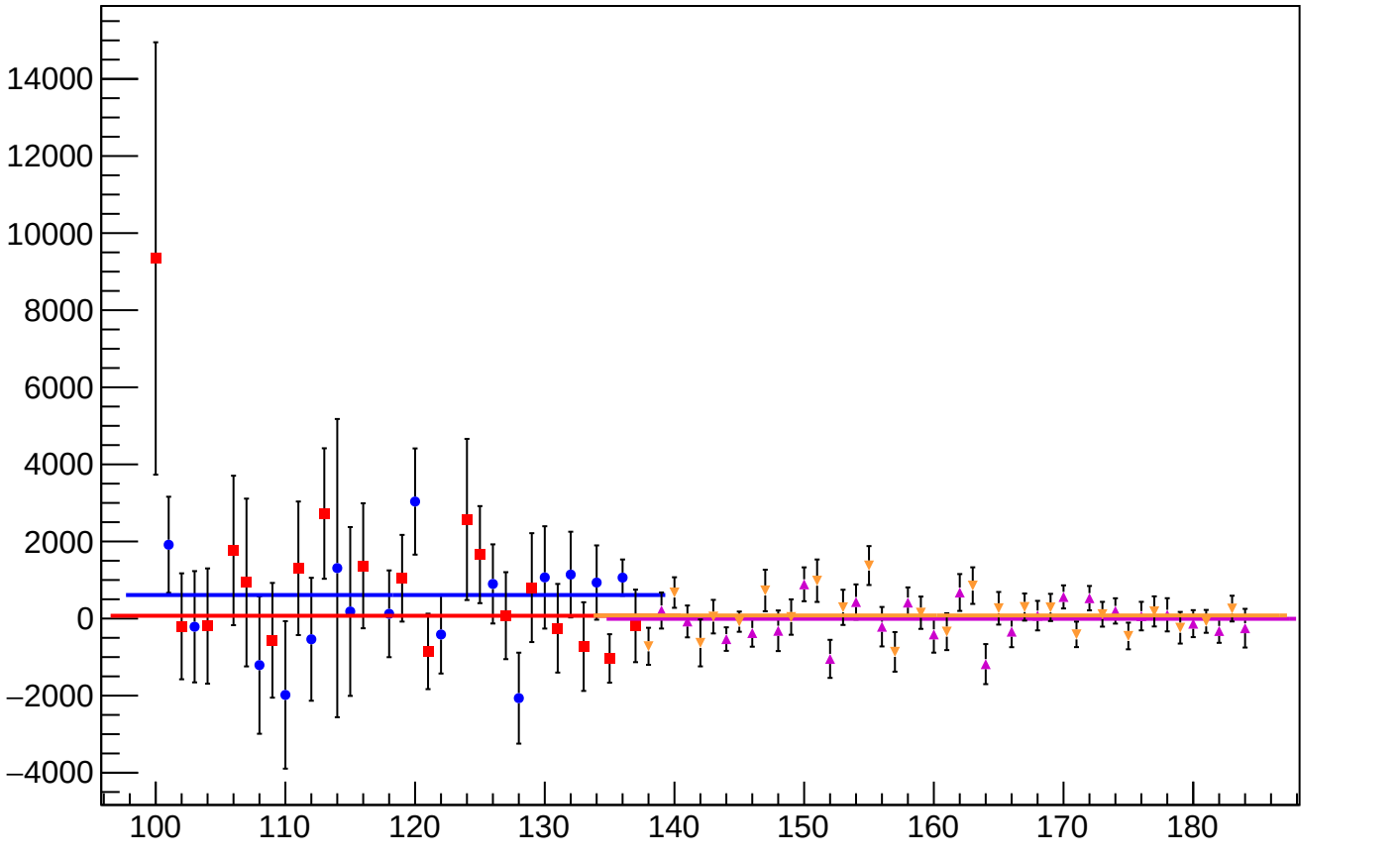
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 65.609+/-0.009 χ^2/NDF: 1909680.9/39

All: 65.838+/-0.007 χ^2/NDF: 3841333.3/81

- sign 66.078+/-0.009 χ^2/NDF: 1930390.1/41



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 79.673+/-80.735 χ^2/NDF:31.3/23

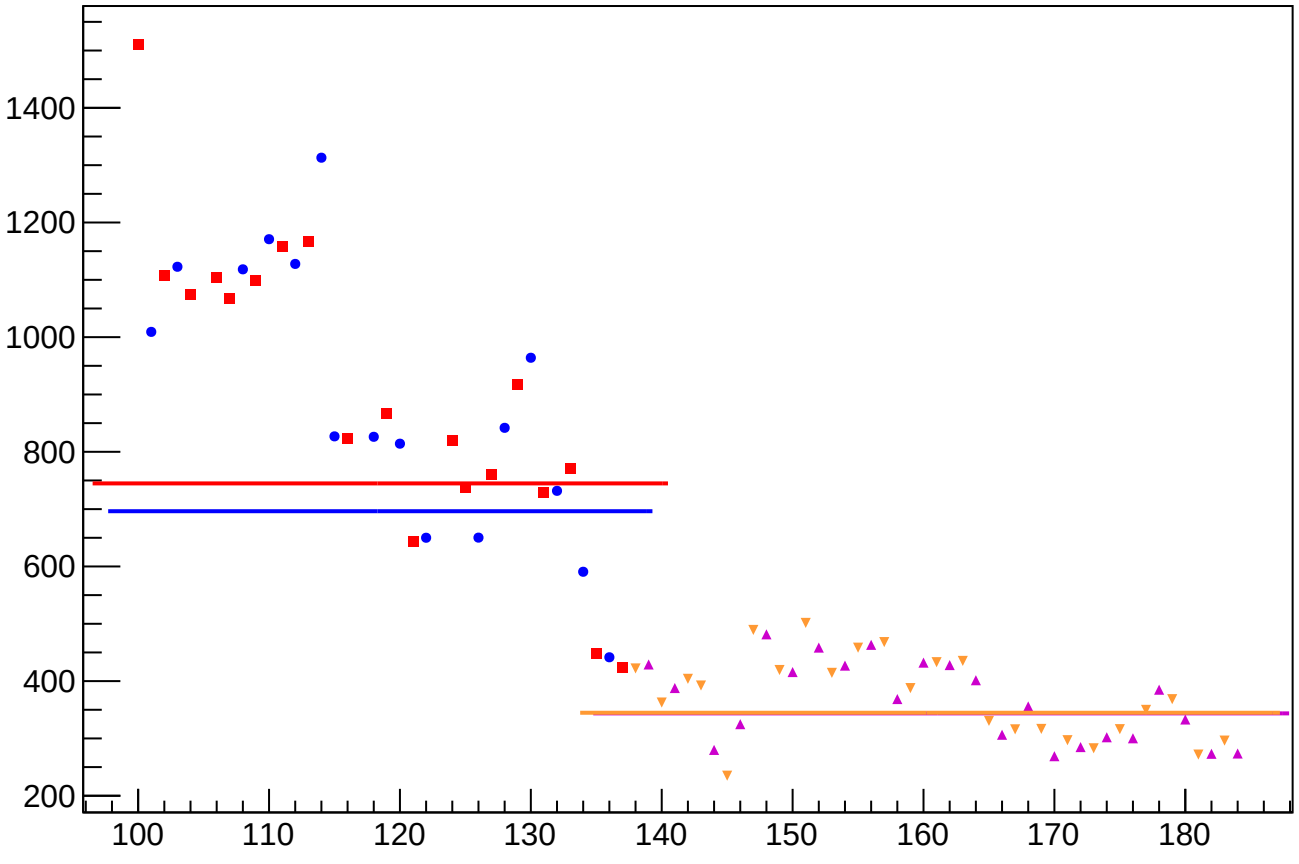
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 122.074+/-77.443 χ^2/NDF: 50.5/39

All: 61.947+/-55.282 χ^2/NDF: 100.4/81

- sign -0.528+/-78.940 χ^2/NDF: 48.7/41



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

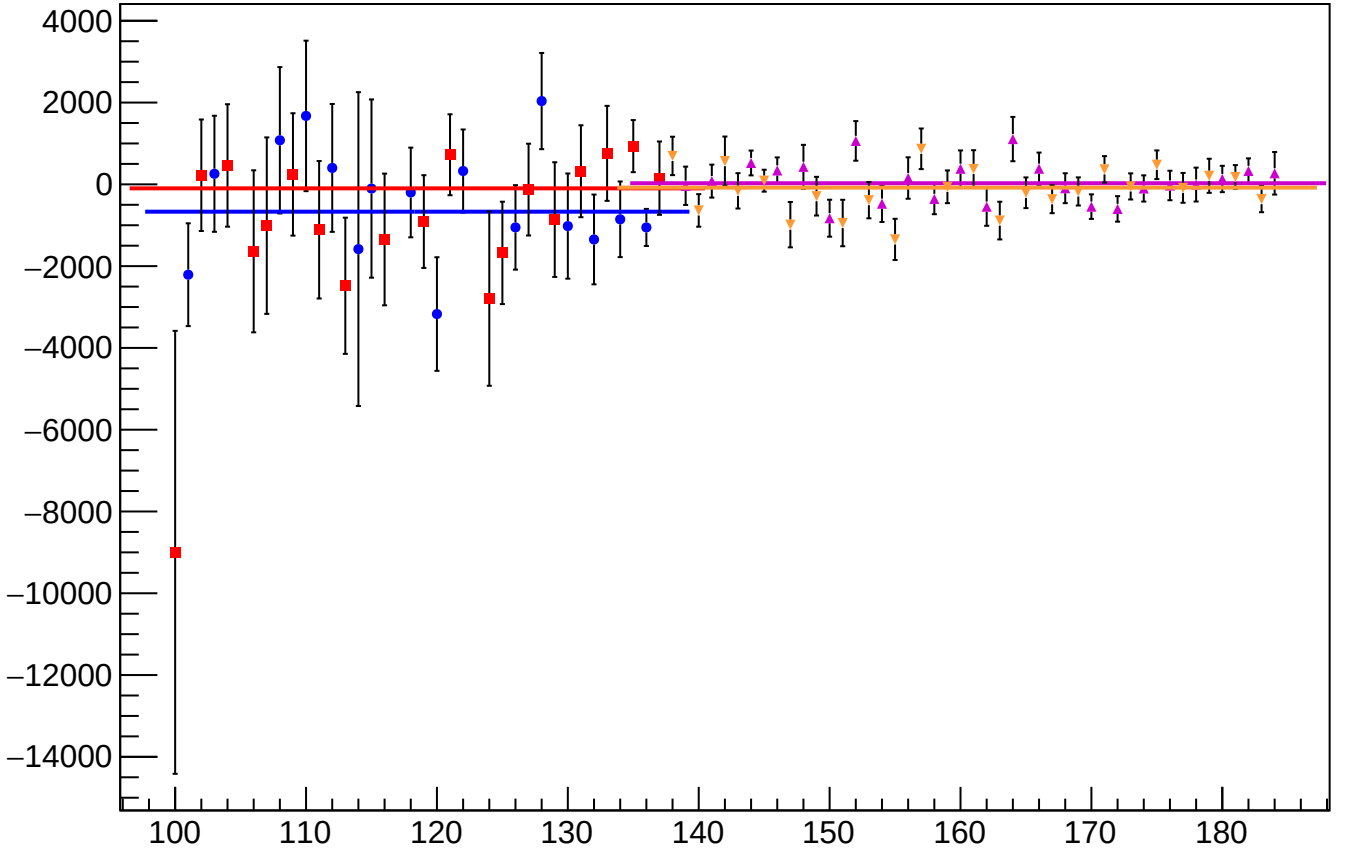
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 372.897+/-0.055 χ^2/NDF: 6105972.7/39

All: 373.488+/-0.039 χ^2/NDF: 12478738.8/81

- sign 374.102+/-0.056 χ^2/NDF: 6372528.7/41

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

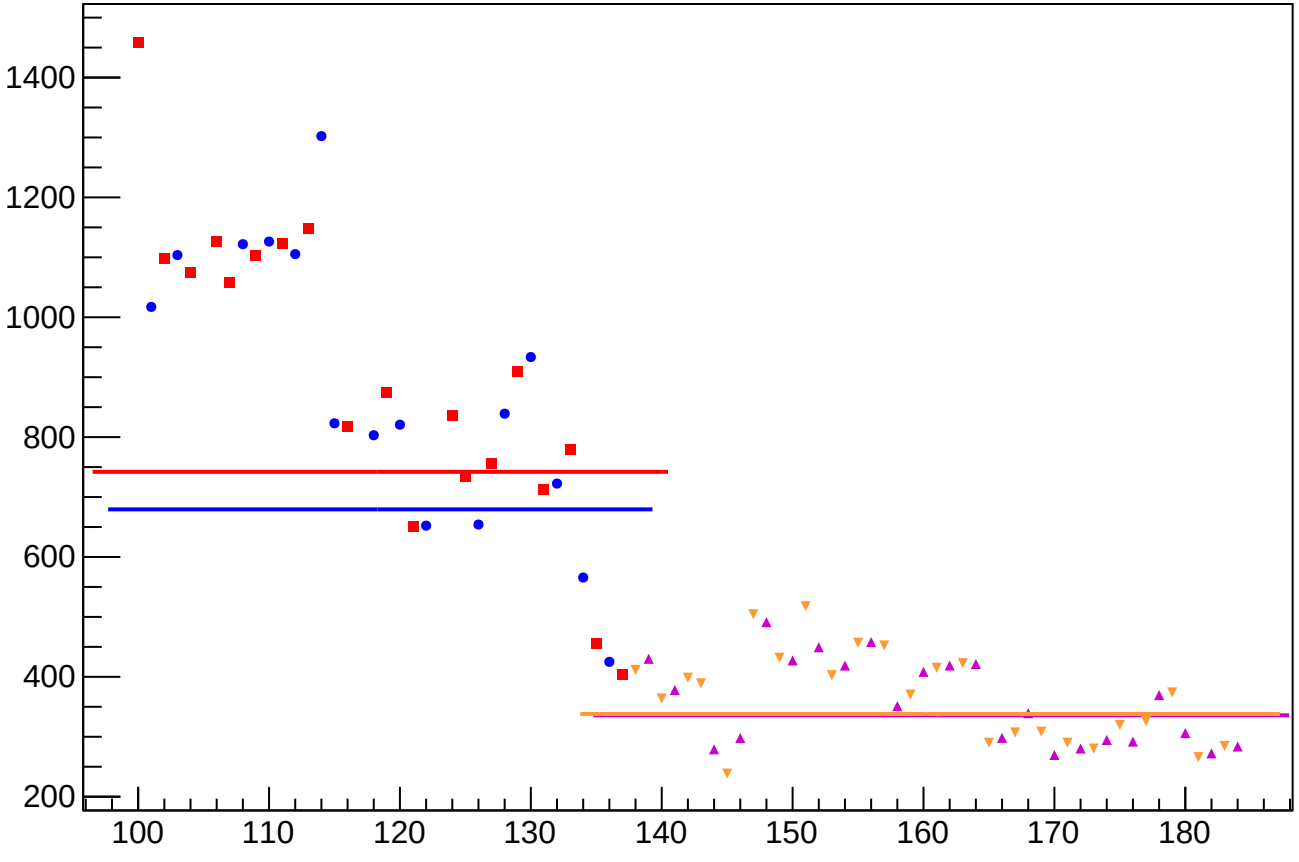
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -127.501+/-76.074 χ^2/NDF: 53.9/39

All: -55.824+/-54.195 χ^2/NDF: 101.6/81

- sign 18.039+/-77.226 χ^2/NDF: 45.9/41

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 338.081+/-0.056 χ^2/NDF:1610407.4/23

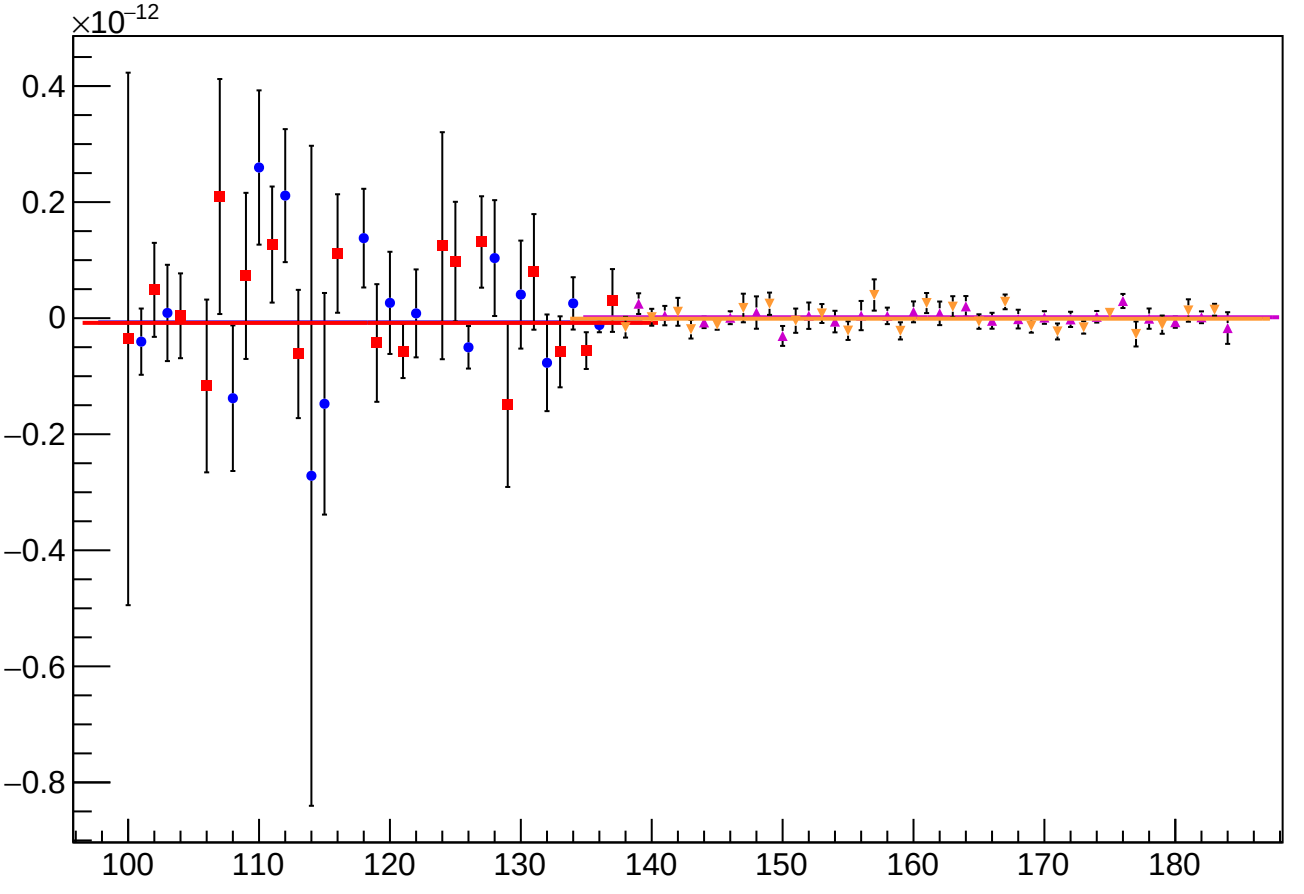
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 365.496+/-0.054 χ^2/NDF: 6185973.4/39

All: 365.466+/-0.038 χ^2/NDF: 12726560.1/81

- sign 365.435+/-0.055 χ^2/NDF: 6540586.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/23

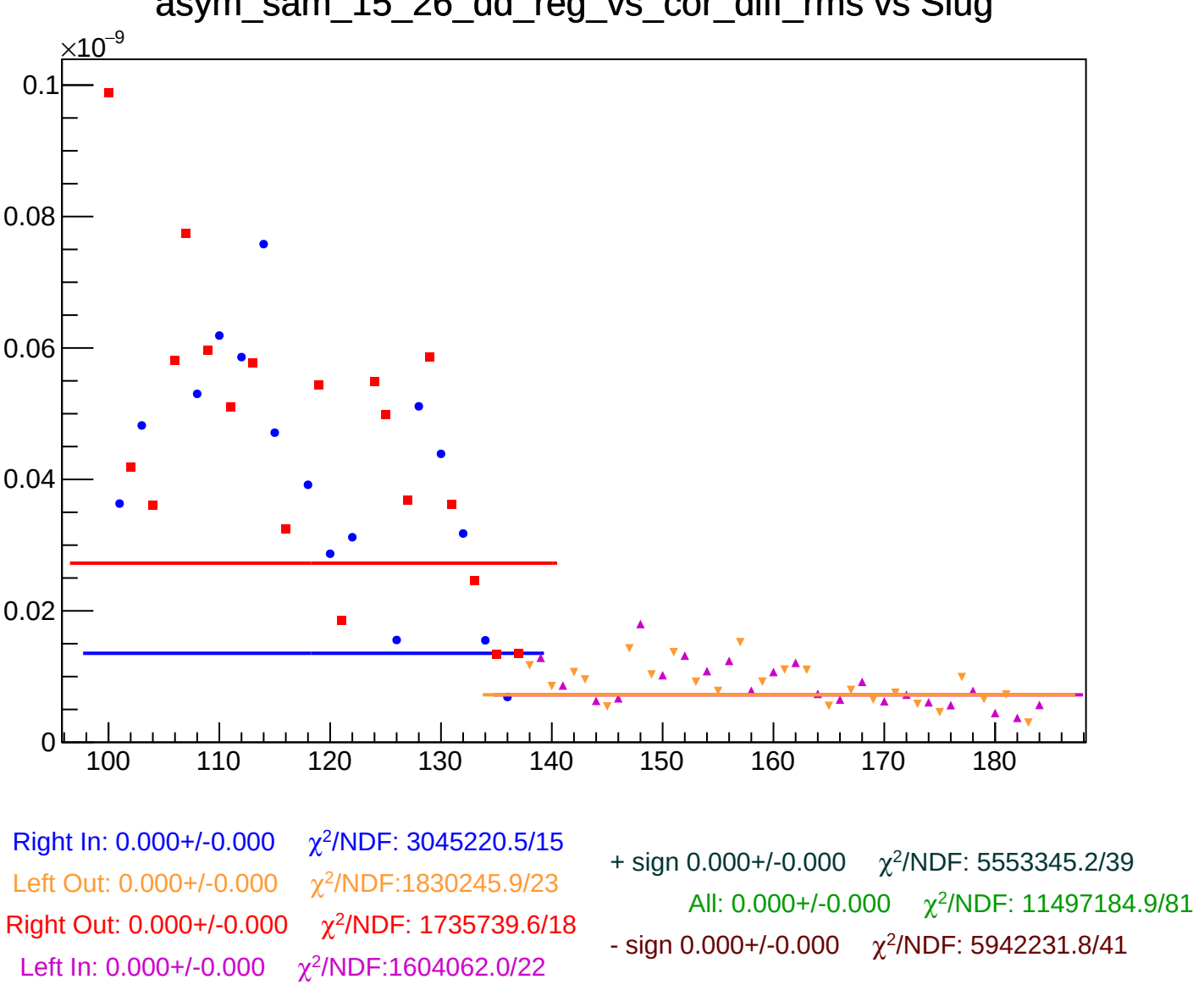
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

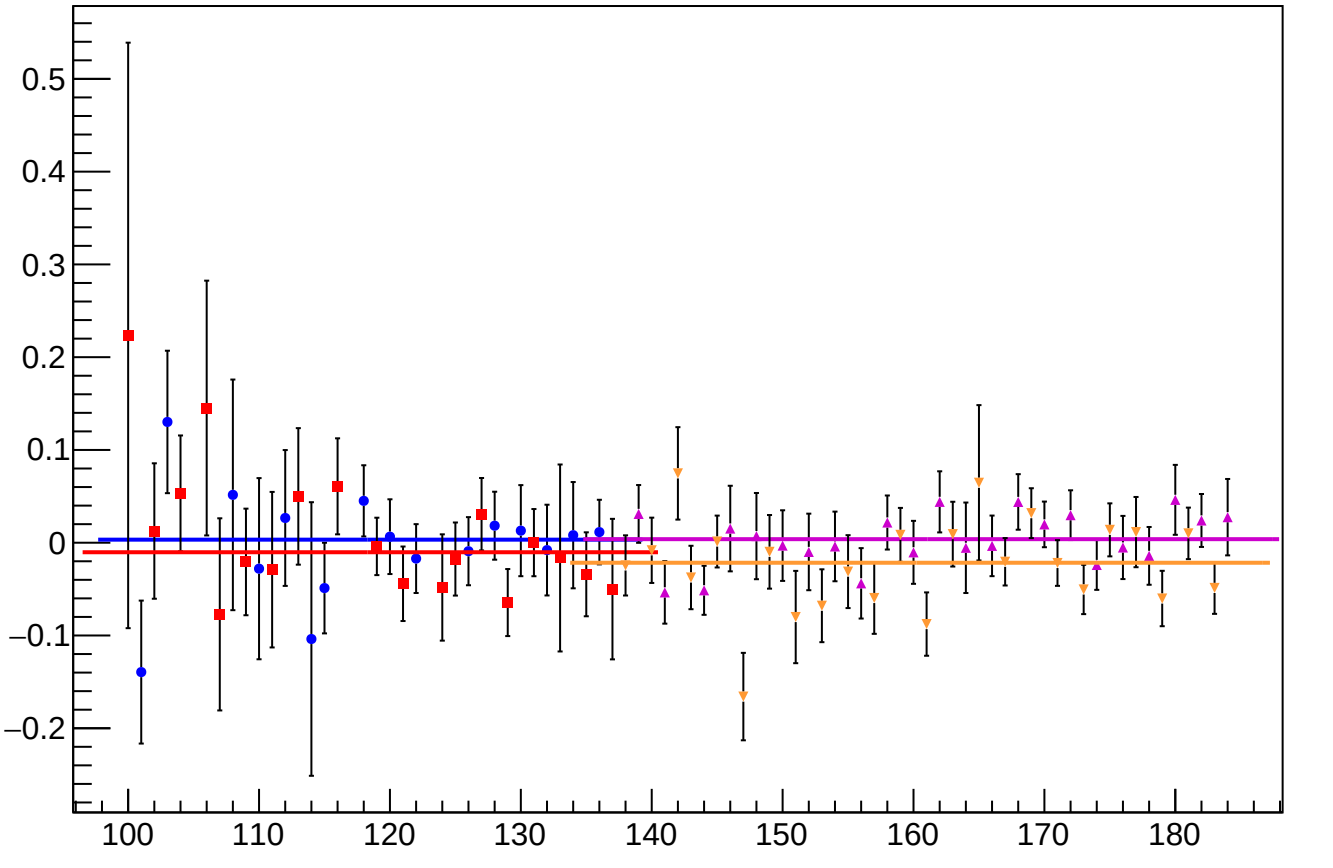
Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/39

All: -0.000+/-0.000 χ^2/NDF: 83.3/81

- sign 0.000+/-0.000 χ^2/NDF: 32.1/41


asym_sam_15_26_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: 3045220.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1830245.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 1735739.6/18
Left In: 0.000+/-0.000 χ²/NDF:1604062.0/22
+ sign 0.000+/-0.000 χ²/NDF: 5553345.2/39
All: 0.000+/-0.000 χ²/NDF: 11497184.9/81
- sign 0.000+/-0.000 χ²/NDF: 5942231.8/41



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:36.0/23

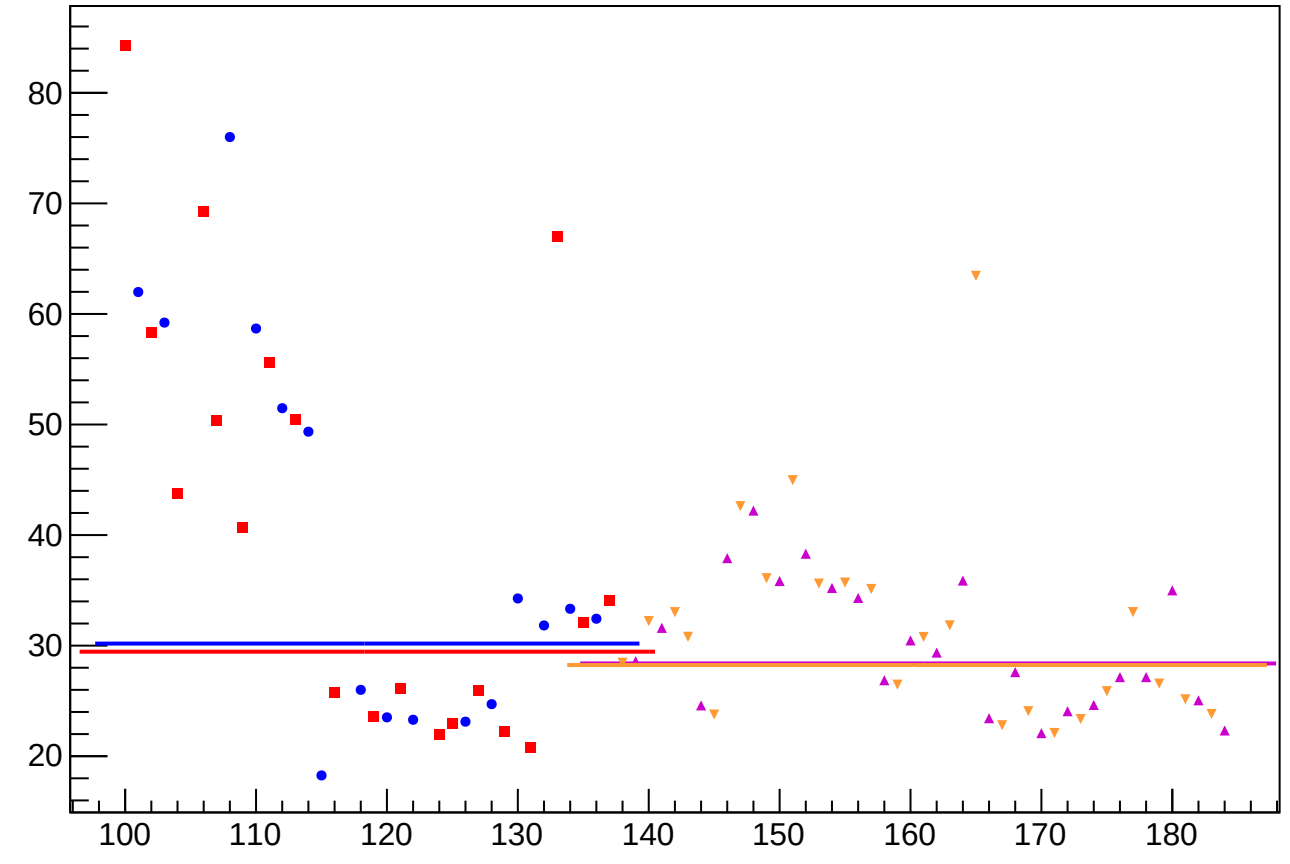
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 49.3/39

All: -0.008+/-0.004 χ^2/NDF: 84.1/81

- sign 0.000+/-0.006 χ^2/NDF: 31.0/41



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.245+/-0.005 χ^2/NDF:1654060.0/23

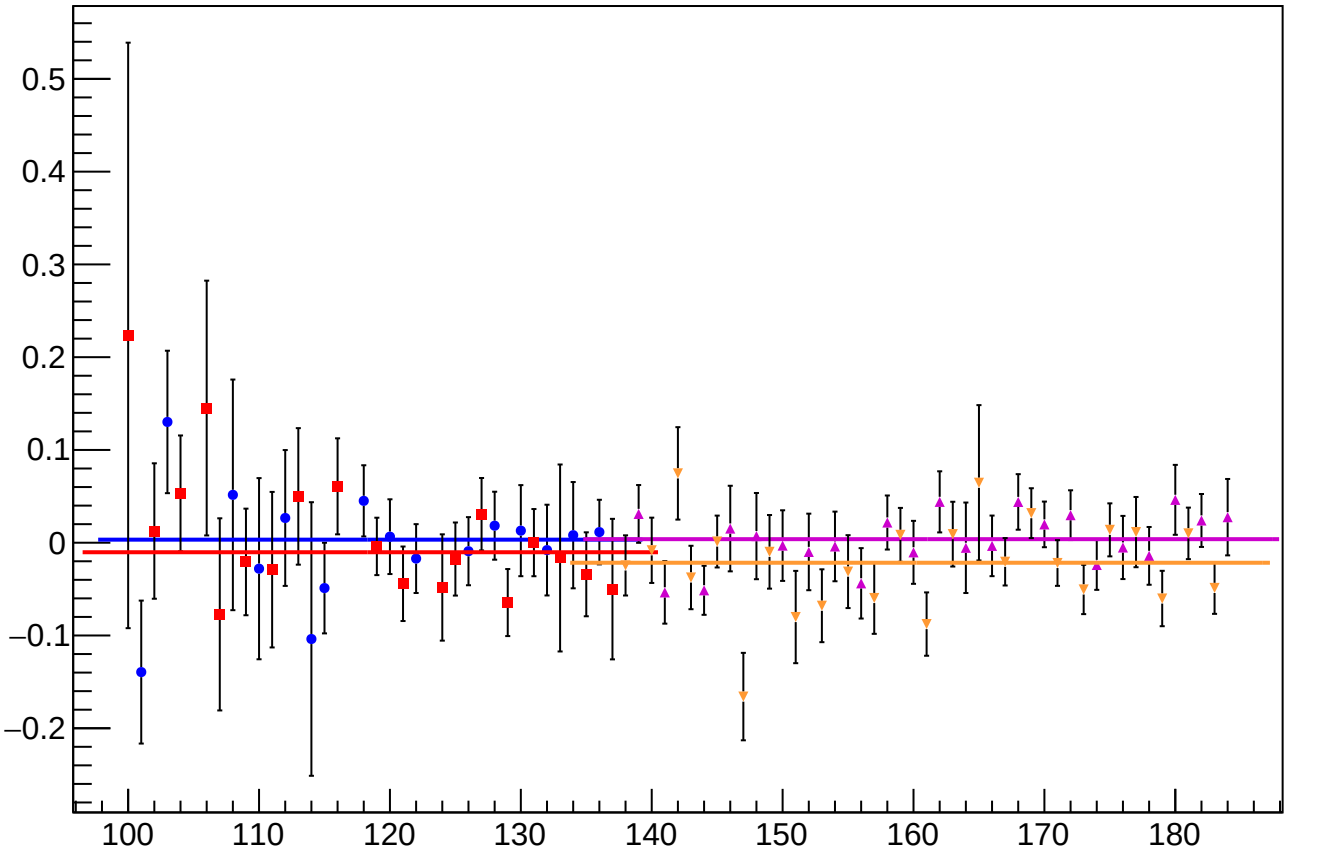
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.689+/-0.004 χ^2/NDF: 3380006.8/39

All: 28.673+/-0.003 χ^2/NDF: 6339611.5/81

- sign 28.657+/-0.004 χ^2/NDF: 2959575.7/41



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:36.0/23

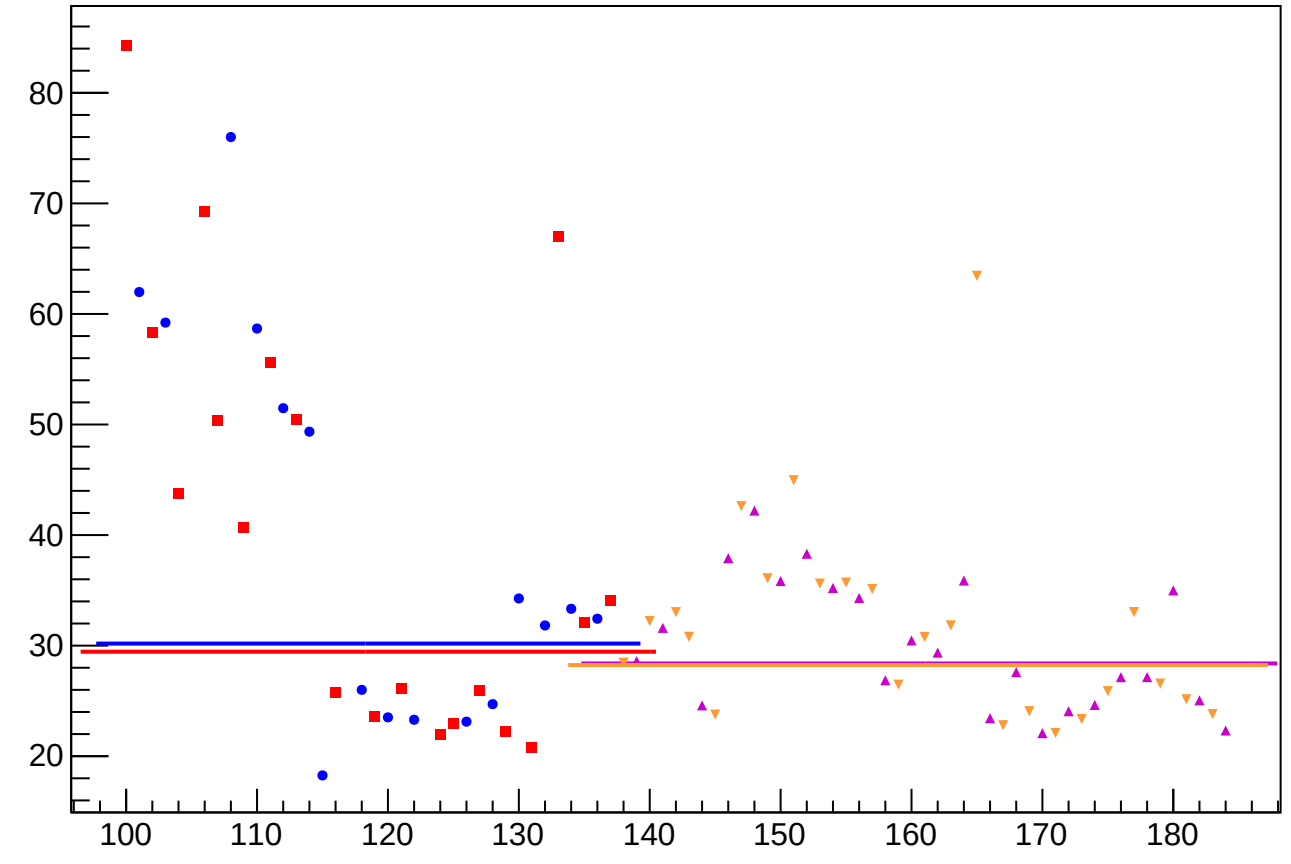
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 49.3/39

All: -0.008+/-0.004 χ^2/NDF: 84.1/81

- sign 0.000+/-0.006 χ^2/NDF: 31.0/41



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.245+/-0.005 χ^2/NDF:1654060.0/23

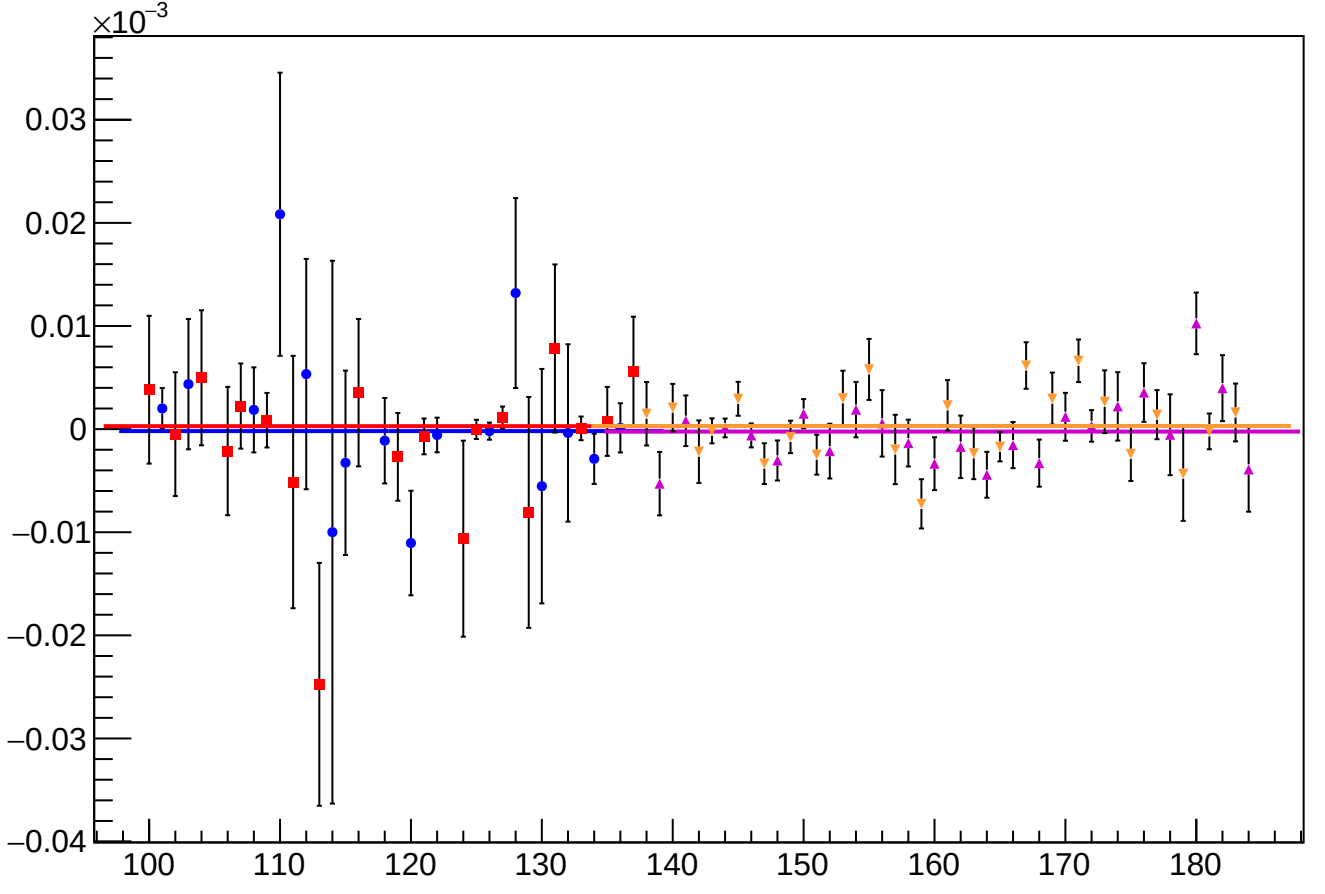
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.689+/-0.004 χ^2/NDF: 3380006.8/39

All: 28.673+/-0.003 χ^2/NDF: 6339611.5/81

- sign 28.657+/-0.004 χ^2/NDF: 2959575.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.2/23

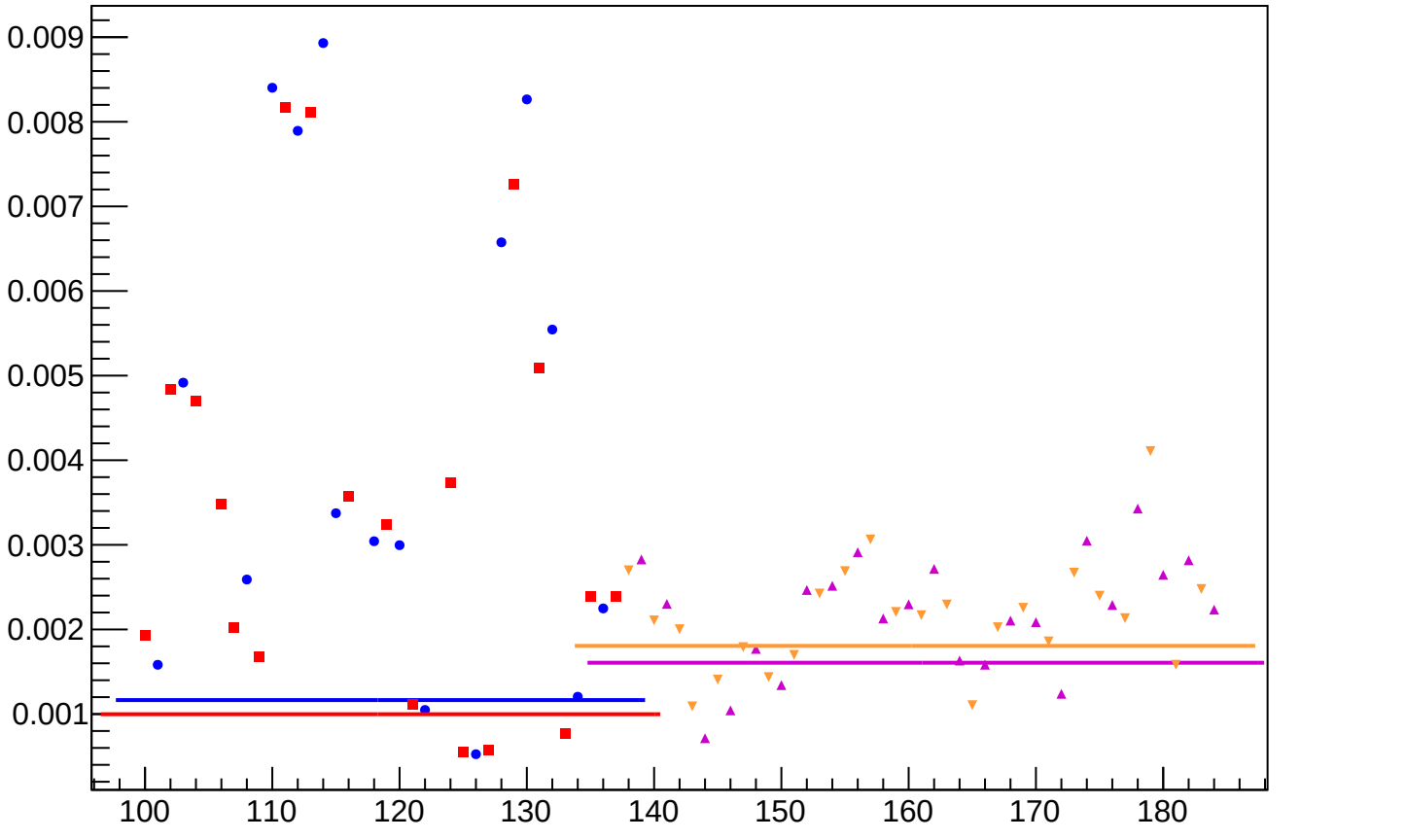
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.7/39

All: 0.000+/-0.000 χ^2/NDF: 108.1/81

- sign -0.000+/-0.000 χ^2/NDF: 45.3/41



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3408715.1/23

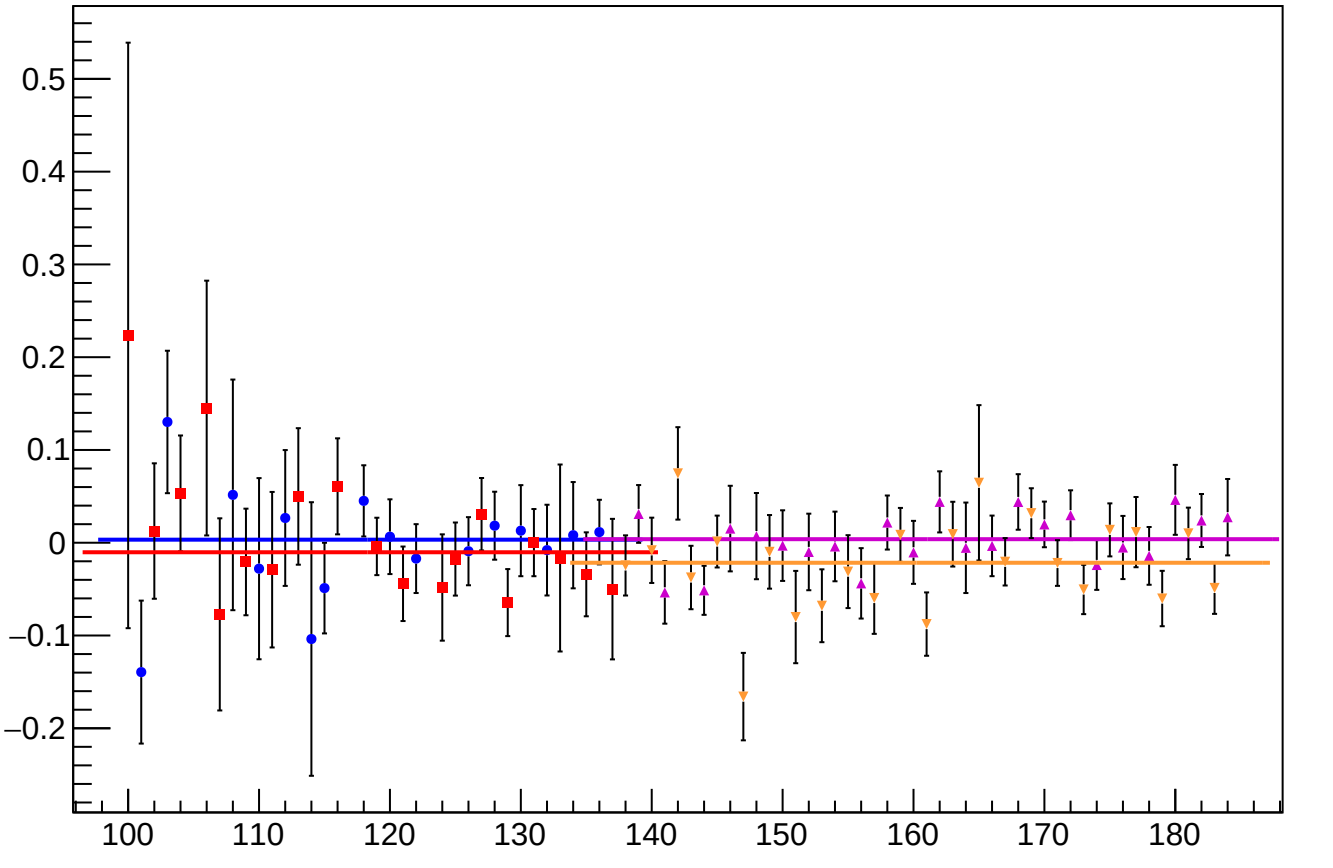
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 11735049.3/39

All: 0.001+/-0.000 χ^2/NDF: 26775935.5/81

- sign 0.001+/-0.000 χ^2/NDF: 14606942.8/41



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:36.0/23

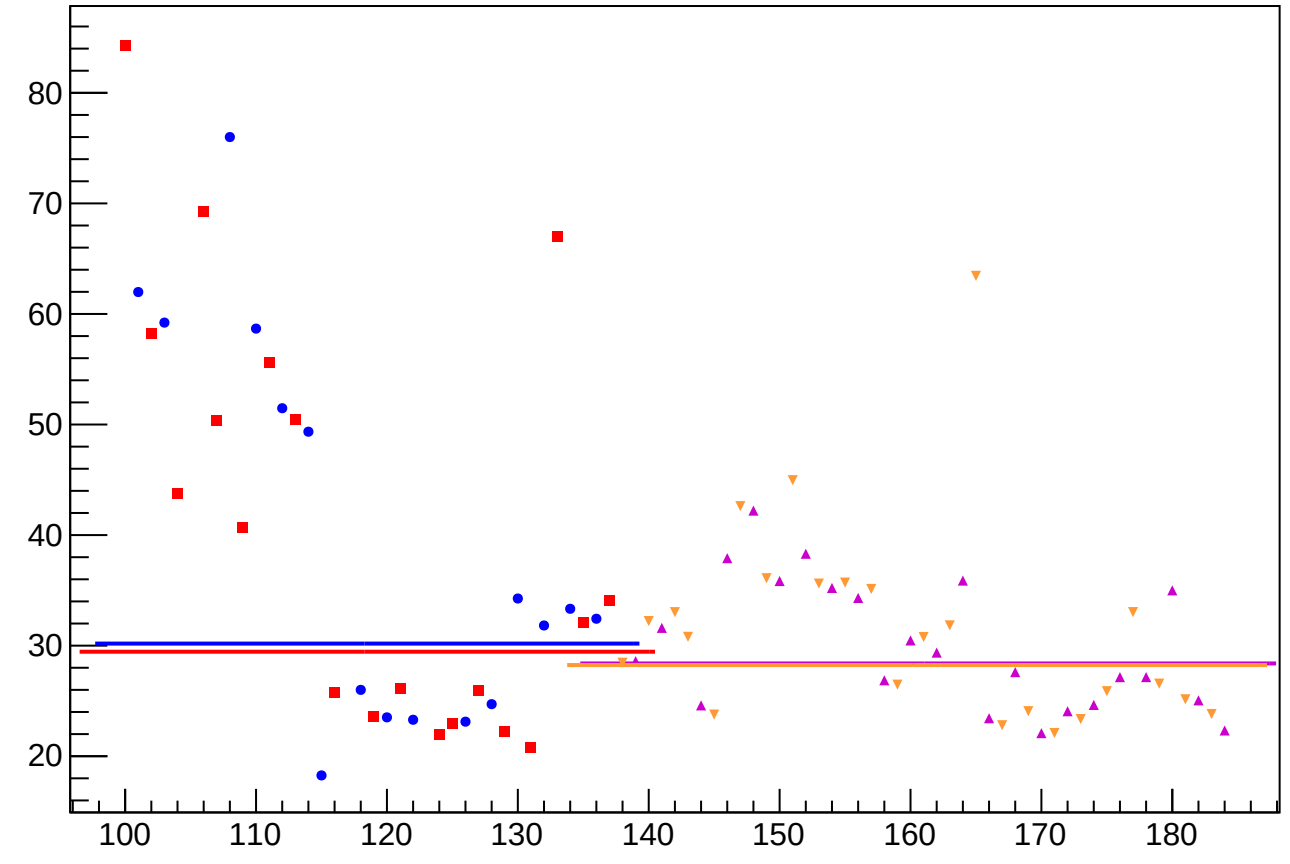
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 49.3/39

All: -0.008+/-0.004 χ^2/NDF: 84.1/81

- sign 0.000+/-0.006 χ^2/NDF: 31.0/41



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.245+/-0.005 χ^2/NDF:1654051.2/23

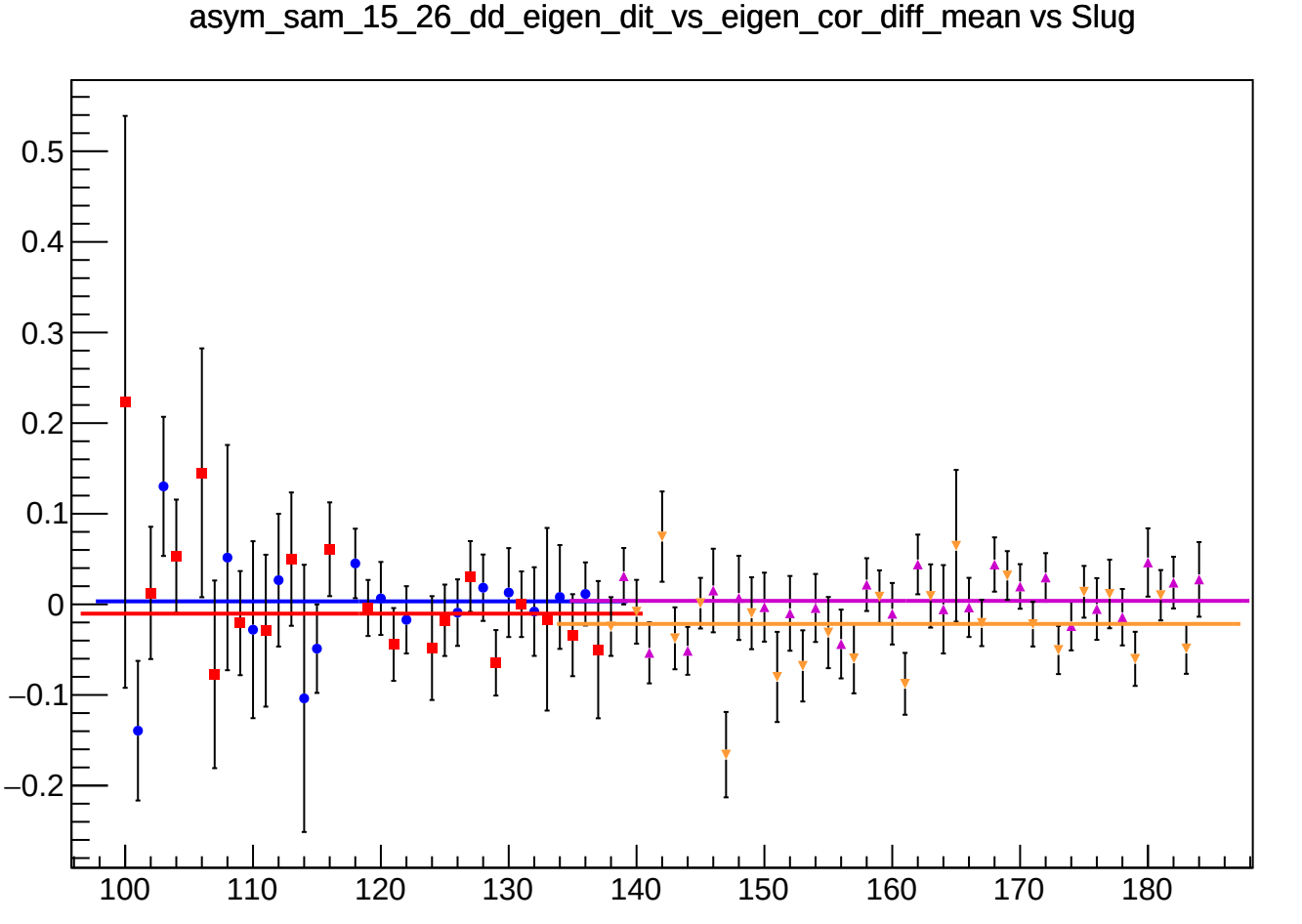
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 28.689+/-0.004 χ^2/NDF: 3379812.6/39

All: 28.673+/-0.003 χ^2/NDF: 6339398.2/81

- sign 28.657+/-0.004 χ^2/NDF: 2959556.5/41



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:36.0/23

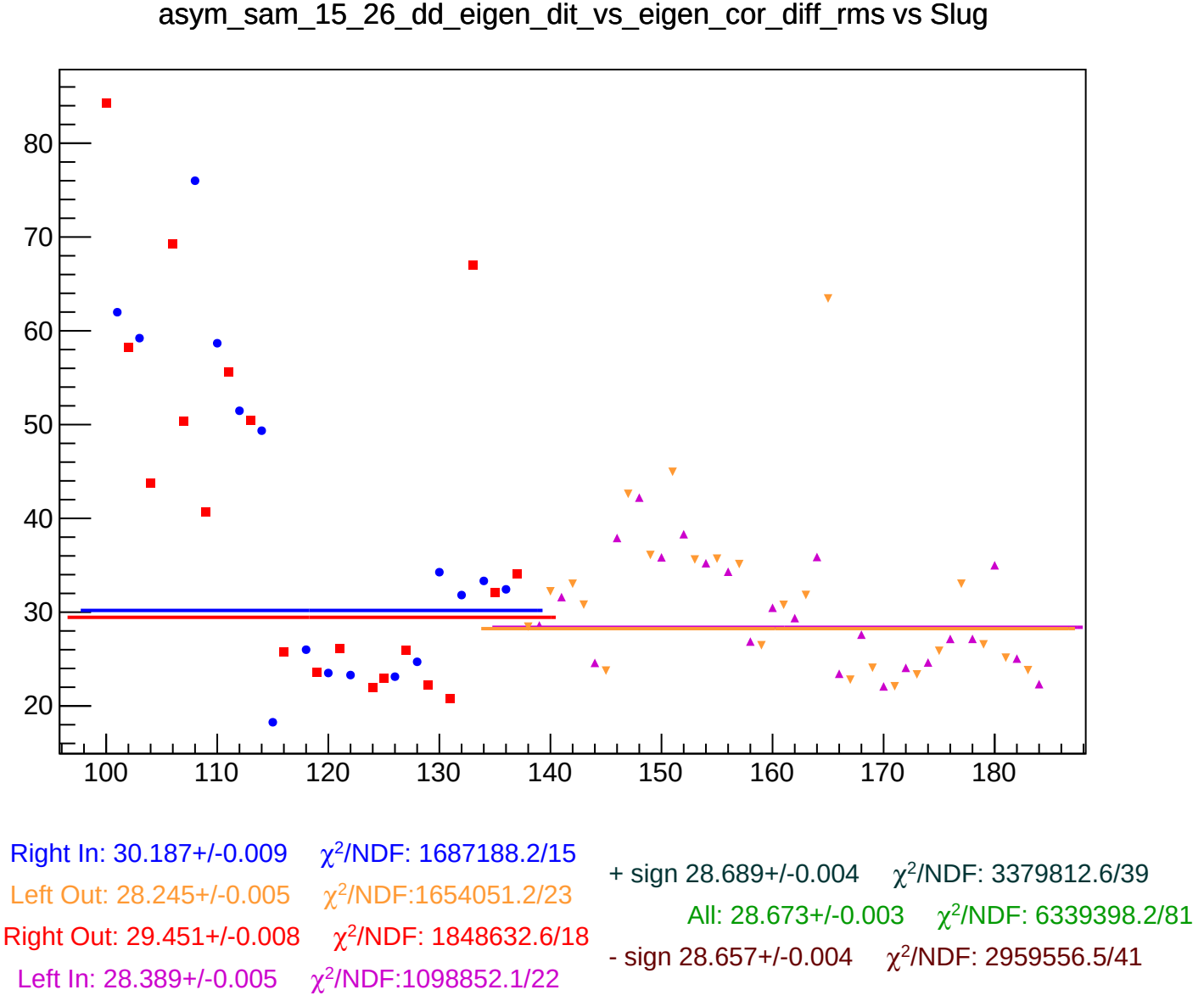
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

\+ sign -0.016+/-0.006 χ^2/NDF: 49.3/39

All: -0.008+/-0.004 χ^2/NDF: 84.1/81

\- sign 0.000+/-0.006 χ^2/NDF: 31.0/41


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
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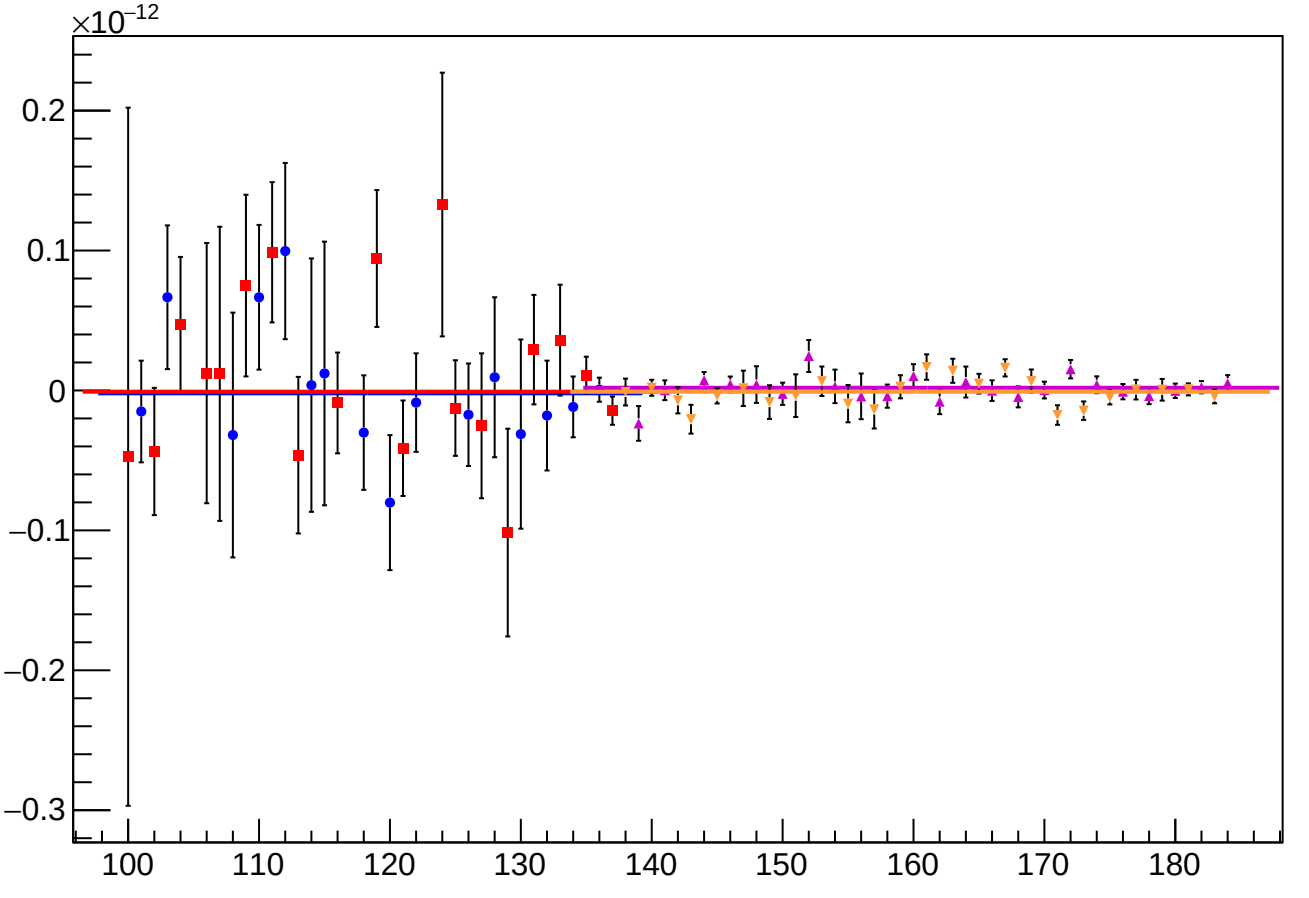
170
180
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 28.245+/-0.005 χ²/NDF:1654051.2/23
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 28.389+/-0.005 χ²/NDF:1098852.1/22
+ sign 28.689+/-0.004 χ²/NDF: 3379812.6/39
All: 28.673+/-0.003 χ²/NDF: 6339398.2/81
- sign 28.657+/-0.004 χ²/NDF: 2959556.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/23

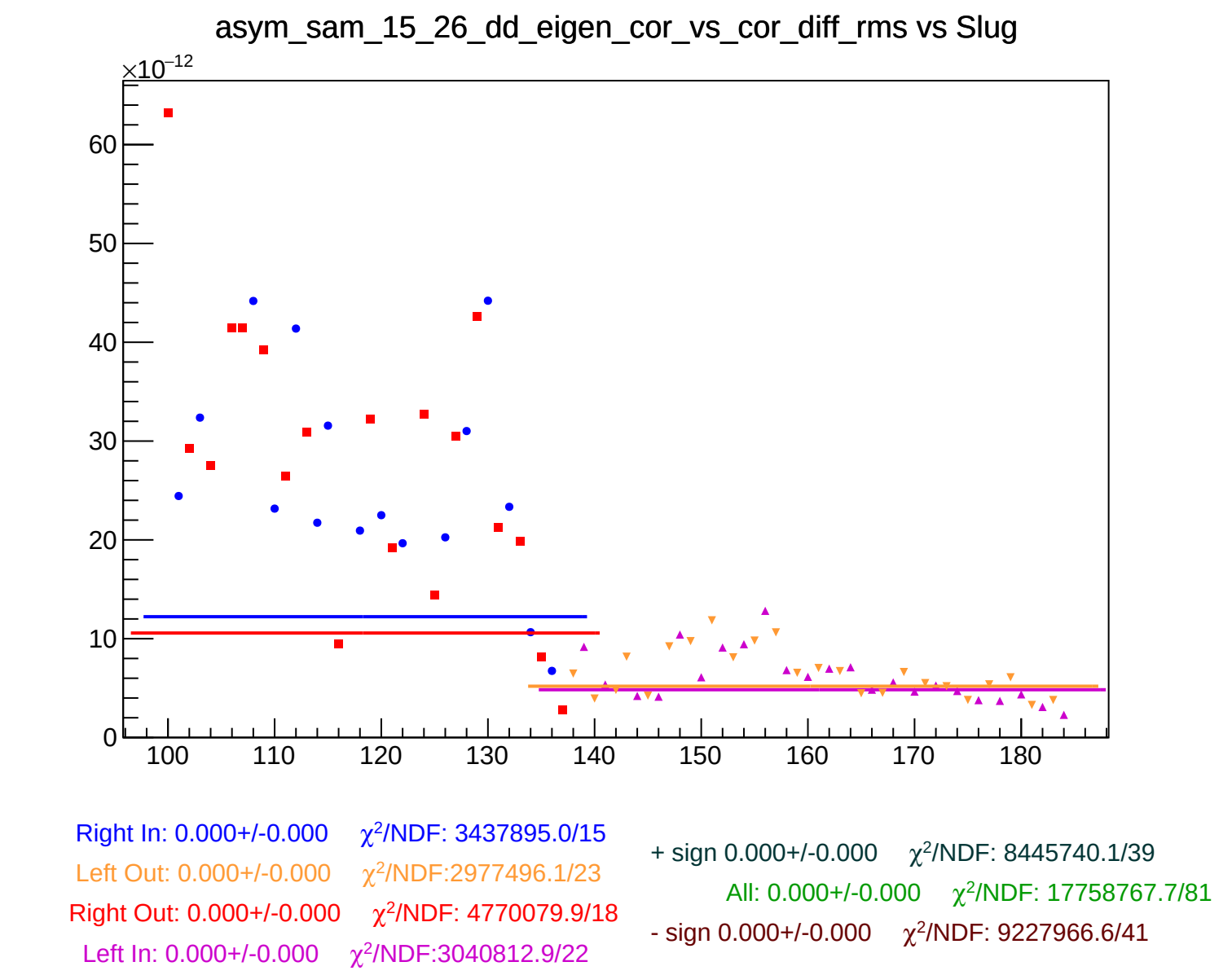
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/39

All: 0.000+/-0.000 χ^2/NDF: 87.5/81

- sign 0.000+/-0.000 χ^2/NDF: 41.1/41


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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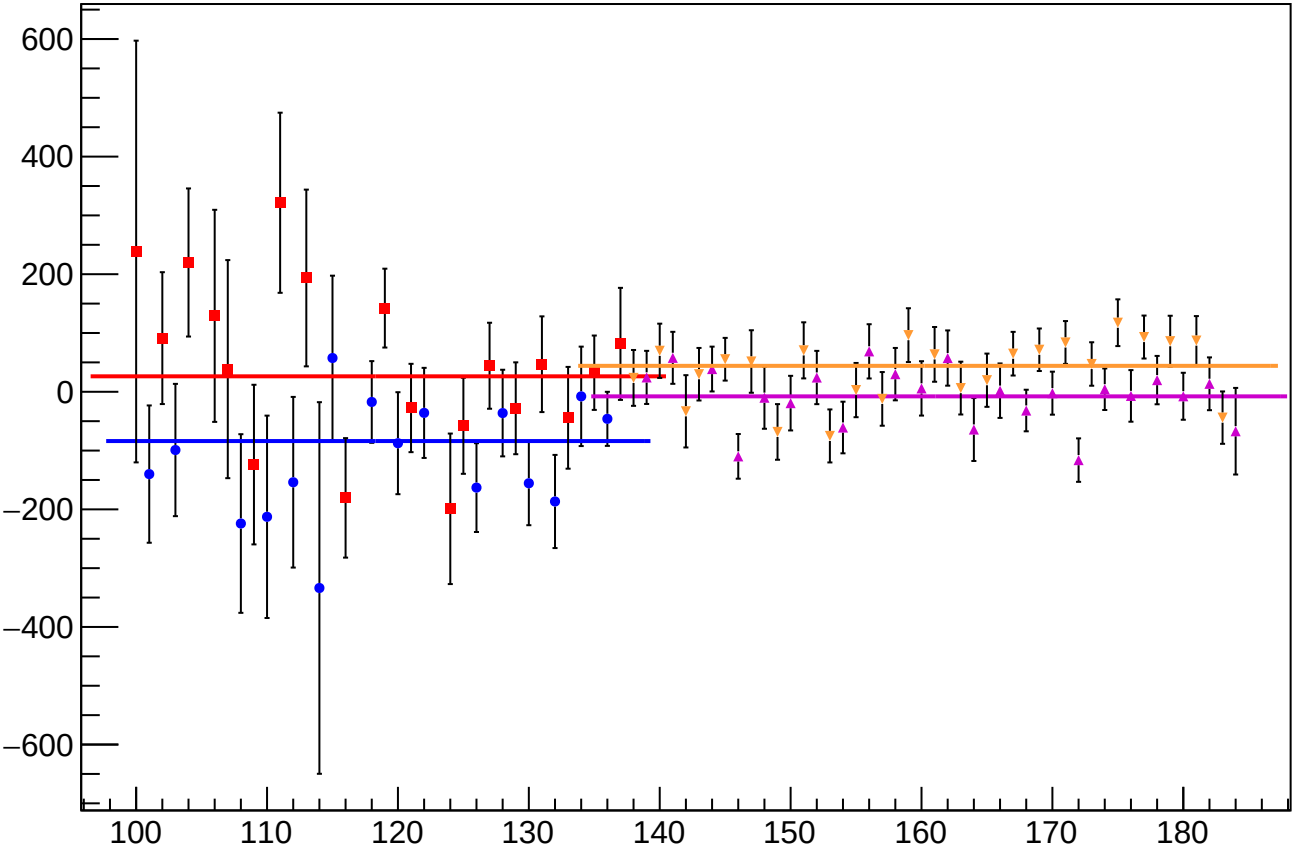
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2977496.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
+ sign 0.000+/-0.000 χ²/NDF: 8445740.1/39
All: 0.000+/-0.000 χ²/NDF: 17758767.7/81
- sign 0.000+/-0.000 χ²/NDF: 9227966.6/41

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

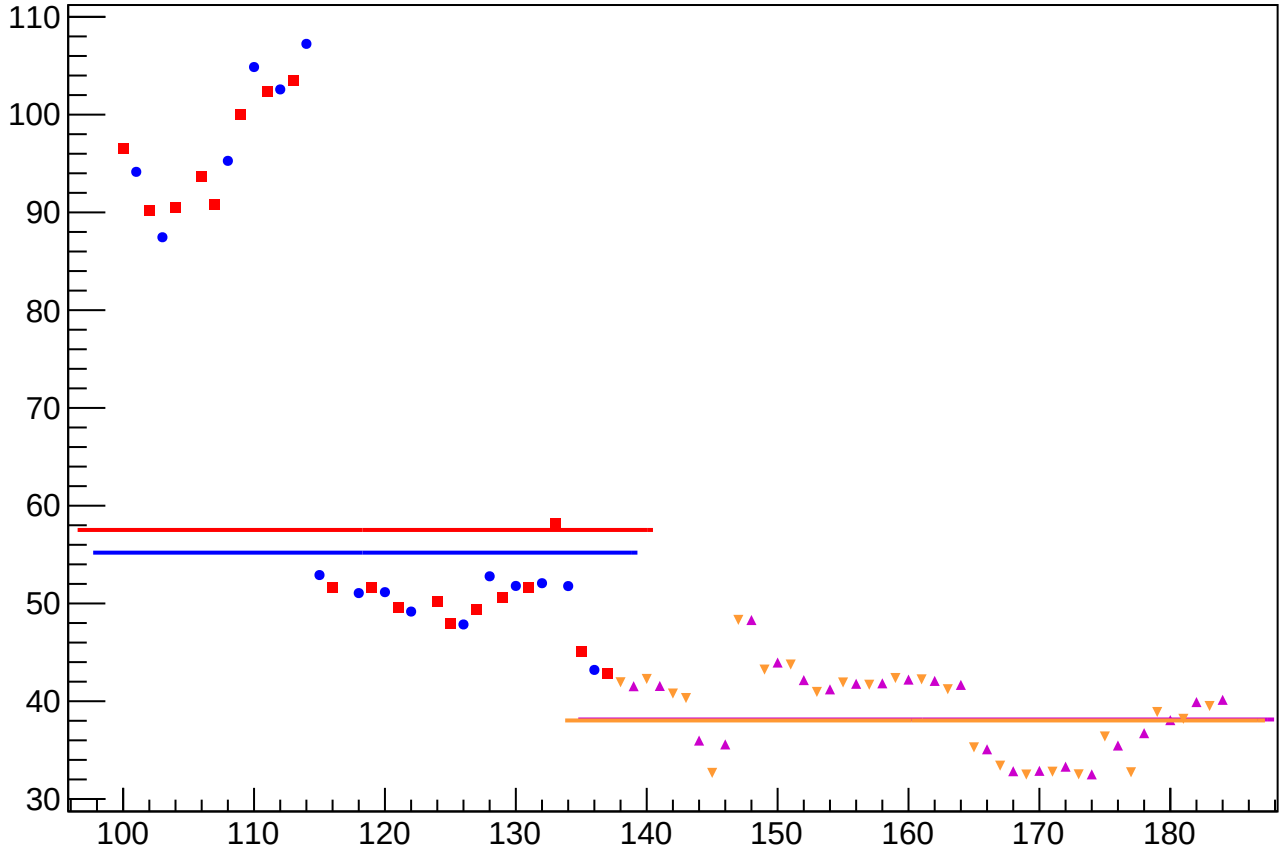
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 25.787+/-8.115 χ^2/NDF: 74.3/39

All: 11.768+/-5.807 χ^2/NDF: 136.0/81

- sign -2.946+/-8.313 χ^2/NDF: 55.6/41

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

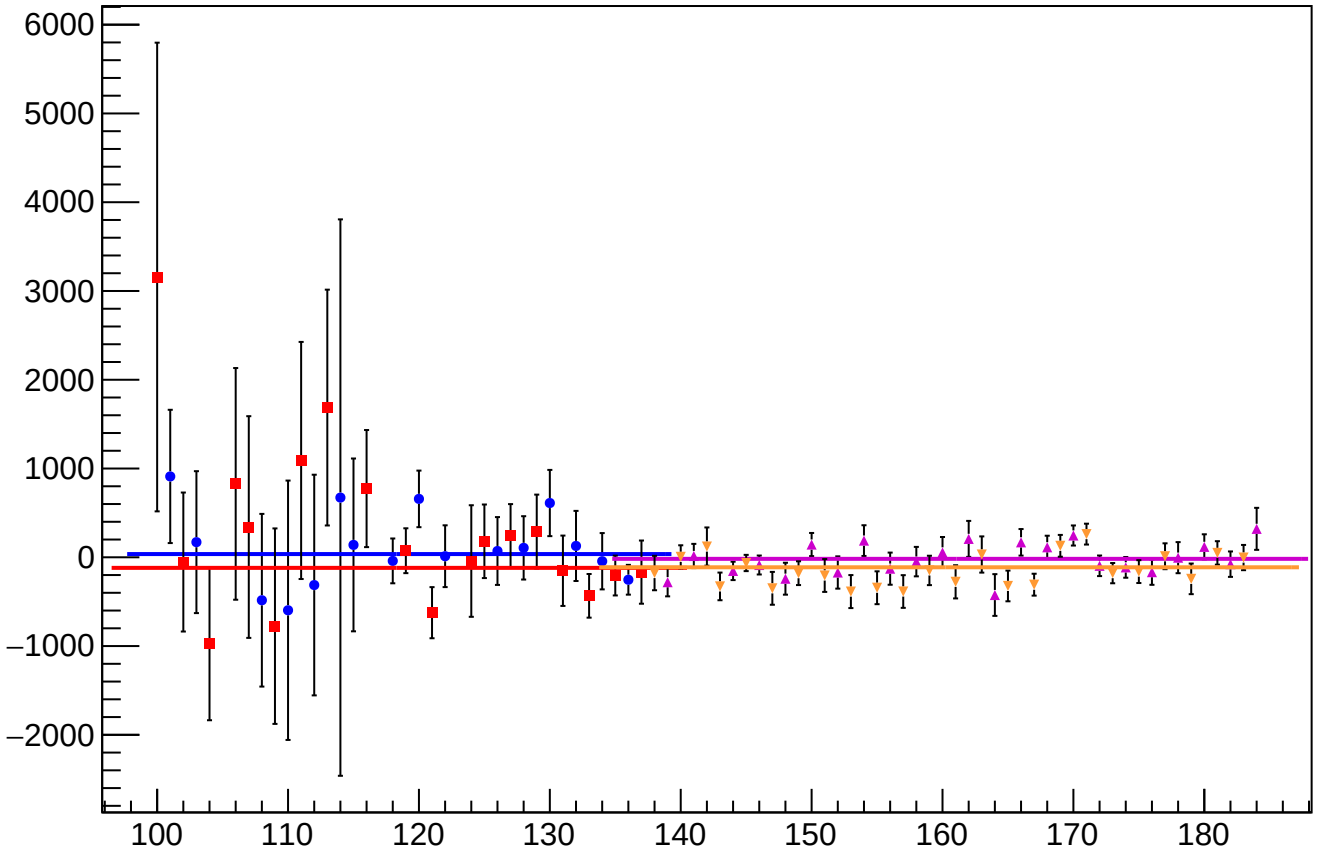
Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.493+/-0.006 χ^2/NDF: 2761789.9/39

All: 40.684+/-0.004 χ^2/NDF: 5798705.6/81

- sign 40.884+/-0.006 χ^2/NDF: 3034653.1/41



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -112.682+/-29.864 χ^2/NDF:35.5/23

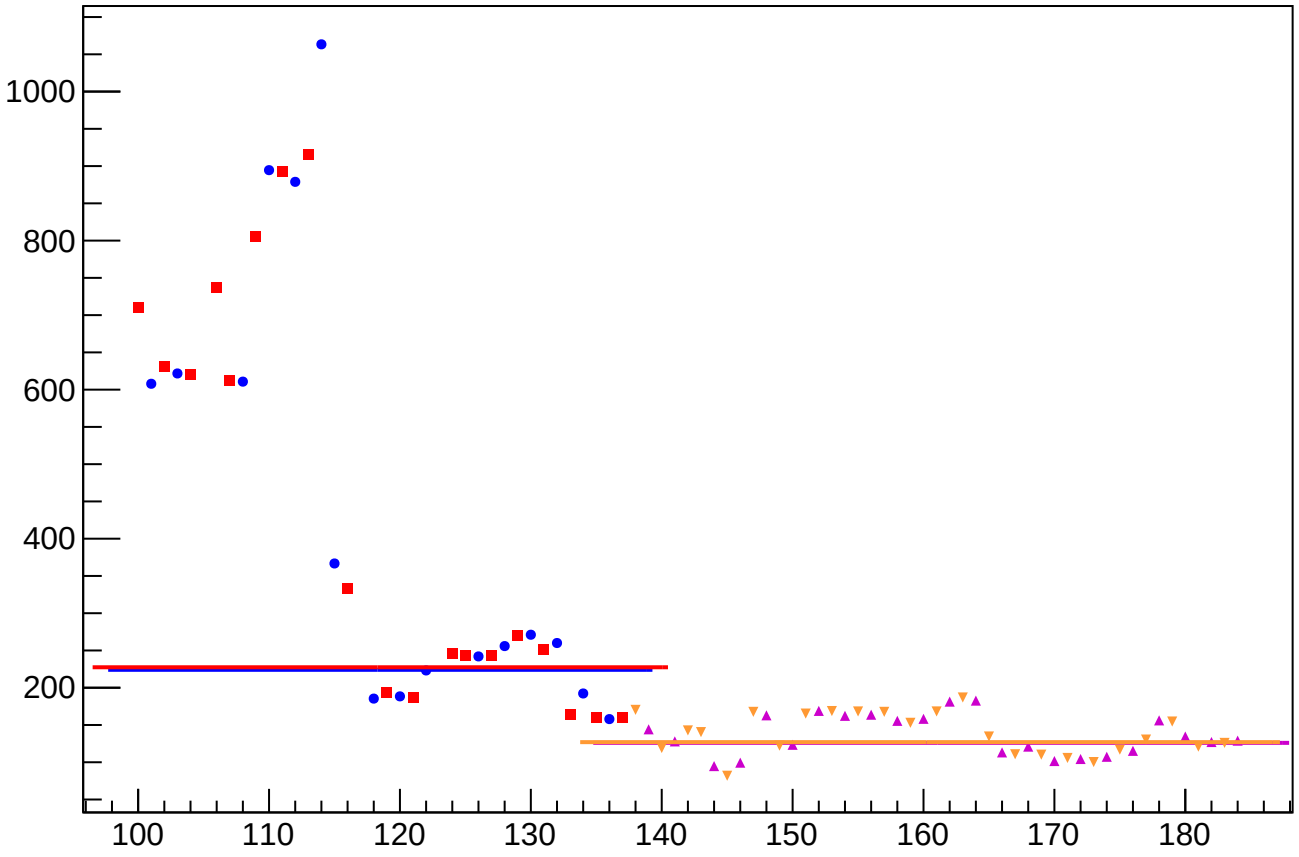
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -98.905+/-28.450 χ^2/NDF: 49.2/39

All: -63.228+/-20.237 χ^2/NDF: 97.7/81

\- sign -26.691+/-28.791 χ^2/NDF: 45.3/41



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

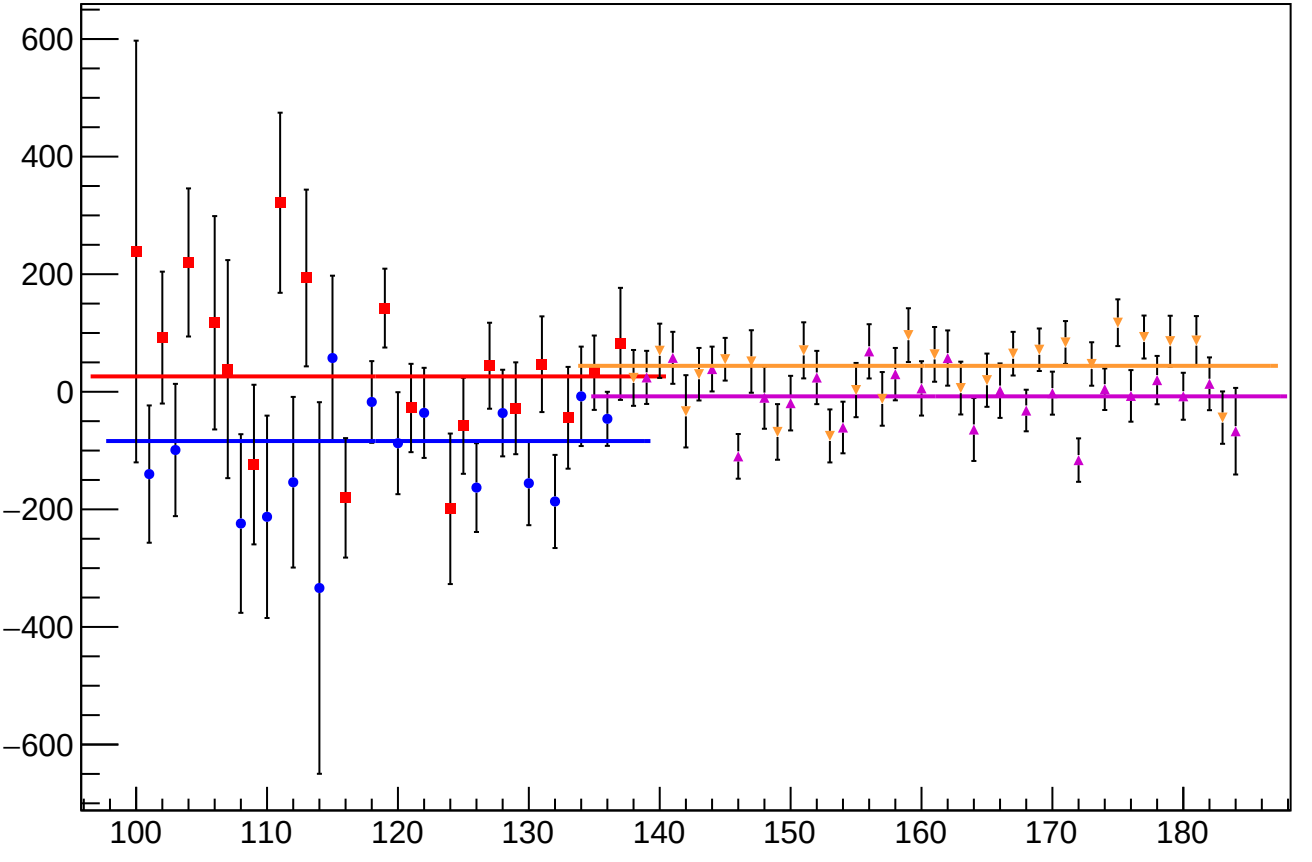
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 135.950+/-0.020 χ^2/NDF: 6660586.9/39

All: 135.564+/-0.014 χ^2/NDF: 13751124.1/81

- sign 135.169+/-0.020 χ^2/NDF: 7089792.7/41

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

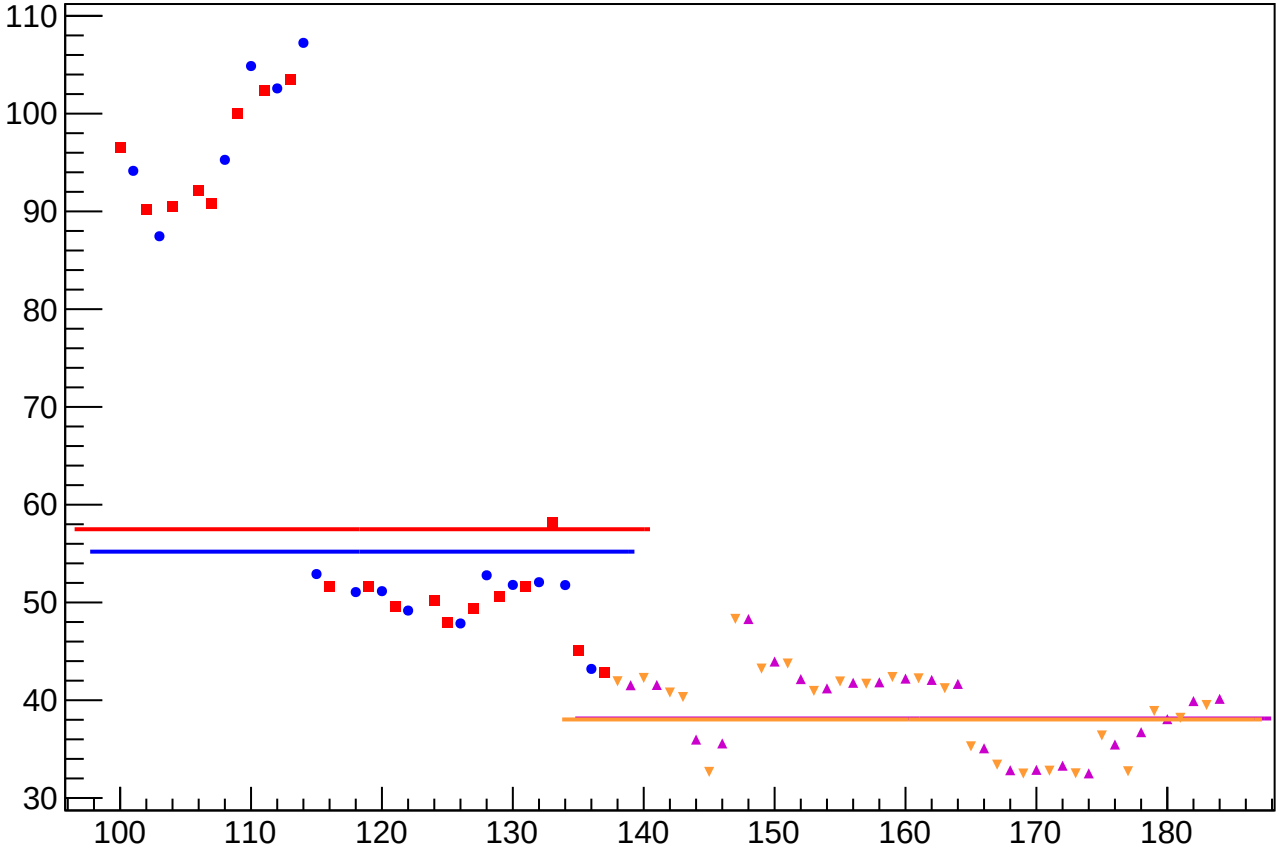
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 25.789+/-8.115 χ^2/NDF: 74.3/39

All: 11.757+/-5.807 χ^2/NDF: 135.9/81

- sign -2.970+/-8.313 χ^2/NDF: 55.5/41

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

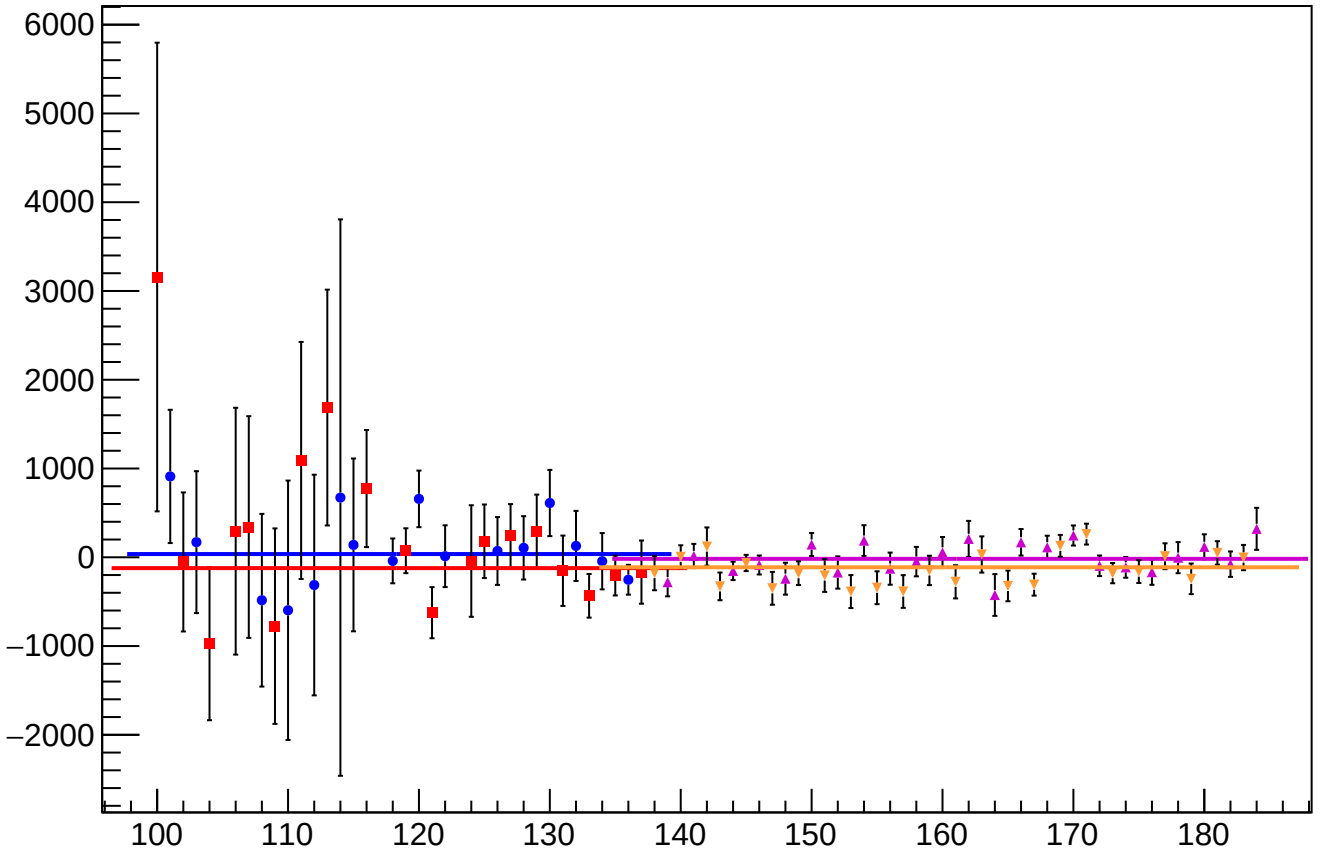
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.493+/-0.006 χ^2/NDF: 2761790.1/39

All: 40.682+/-0.004 χ^2/NDF: 5787087.1/81

- sign 40.880+/-0.006 χ^2/NDF: 3023086.8/41



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -112.682+/-29.864 χ^2/NDF:35.5/23

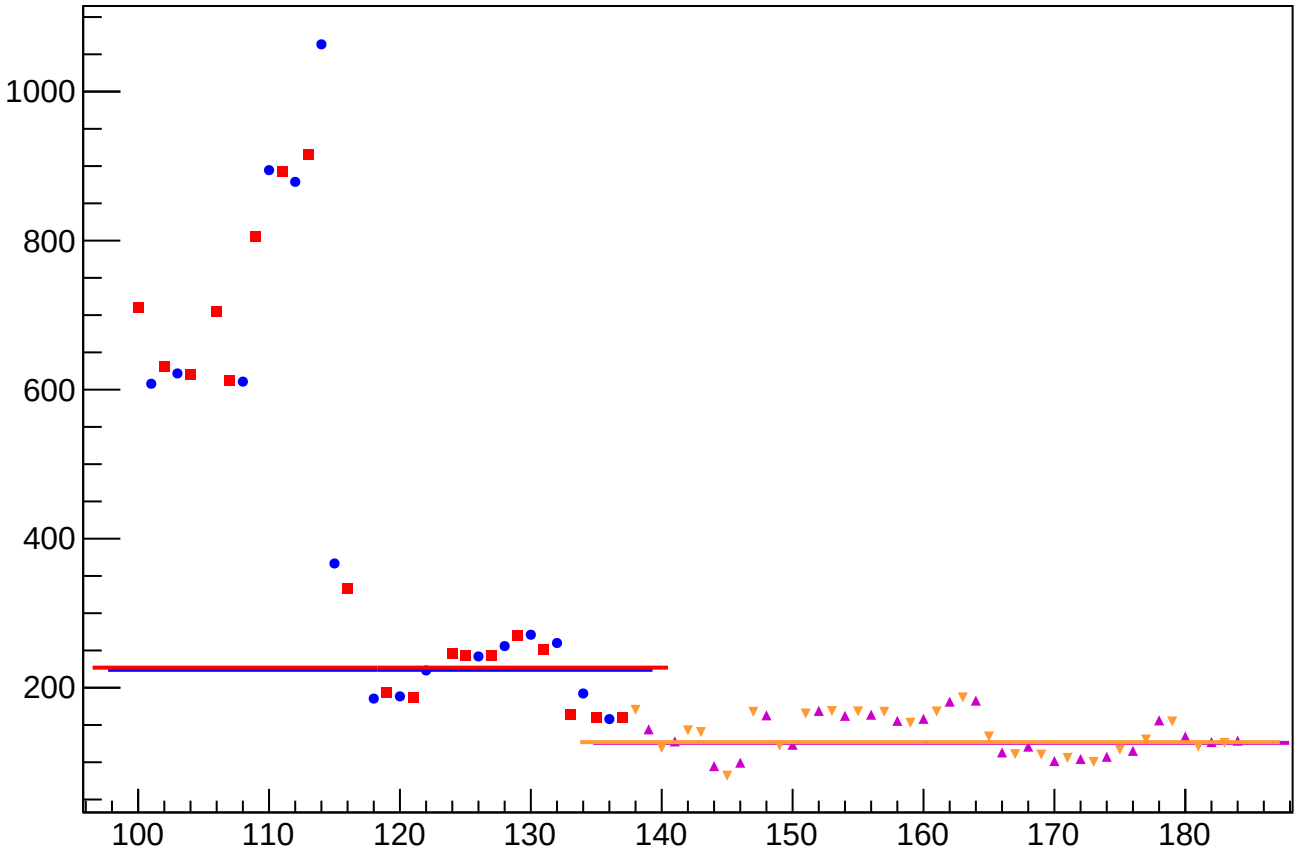
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -98.905+/-28.450 χ^2/NDF: 49.2/39

All: -63.366+/-20.237 χ^2/NDF: 97.3/81

\- sign -26.968+/-28.792 χ^2/NDF: 44.9/41



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

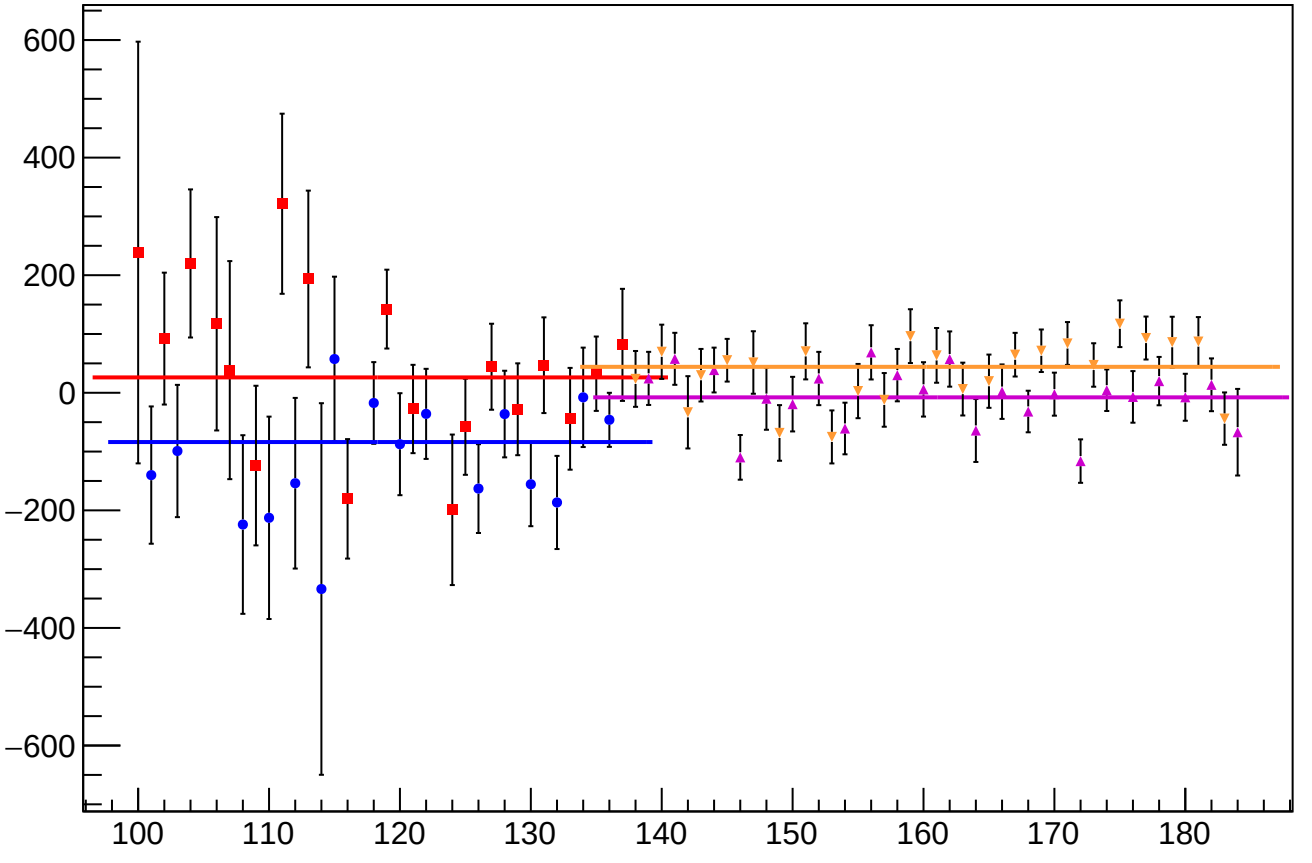
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.950+/-0.020 χ^2/NDF: 6660590.7/39

All: 135.540+/-0.014 χ^2/NDF: 13662107.5/81

- sign 135.120+/-0.020 χ^2/NDF: 7000676.3/41

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

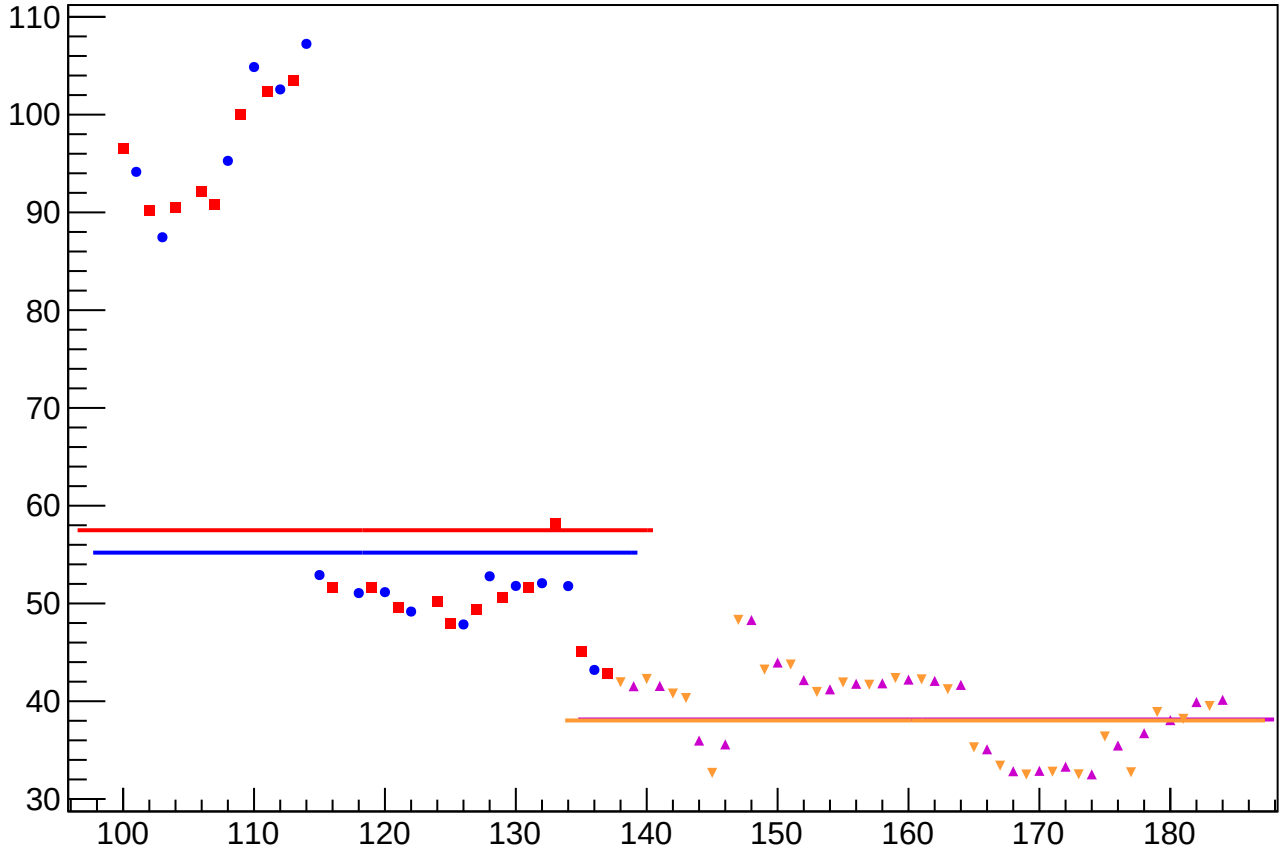
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 25.789+/-8.115 χ^2/NDF: 74.3/39

All: 11.757+/-5.807 χ^2/NDF: 135.9/81

- sign -2.970+/-8.313 χ^2/NDF: 55.5/41

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

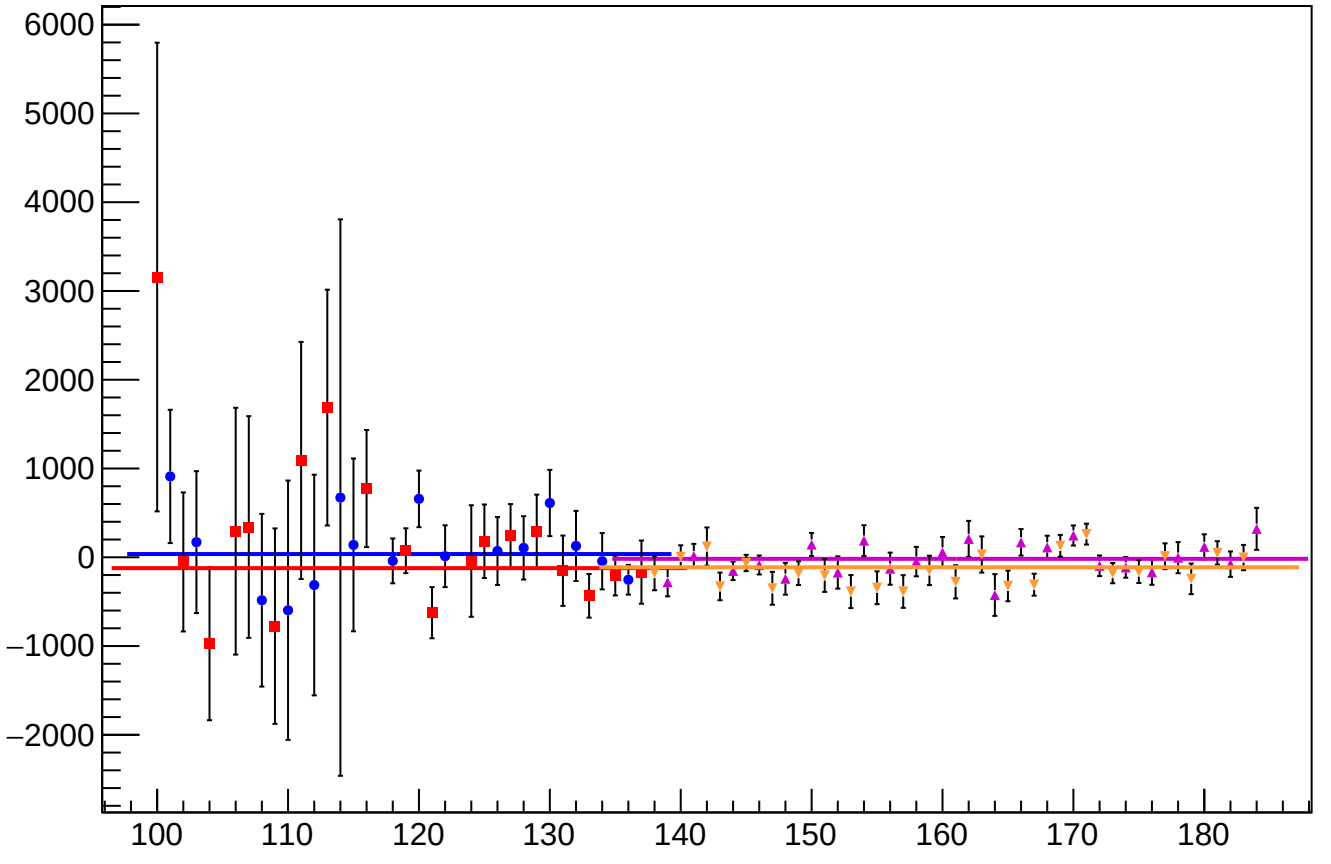
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.493+/-0.006 χ^2/NDF: 2761790.1/39

All: 40.682+/-0.004 χ^2/NDF: 5787087.1/81

- sign 40.880+/-0.006 χ^2/NDF: 3023086.8/41



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -112.682+/-29.864 χ^2/NDF:35.5/23

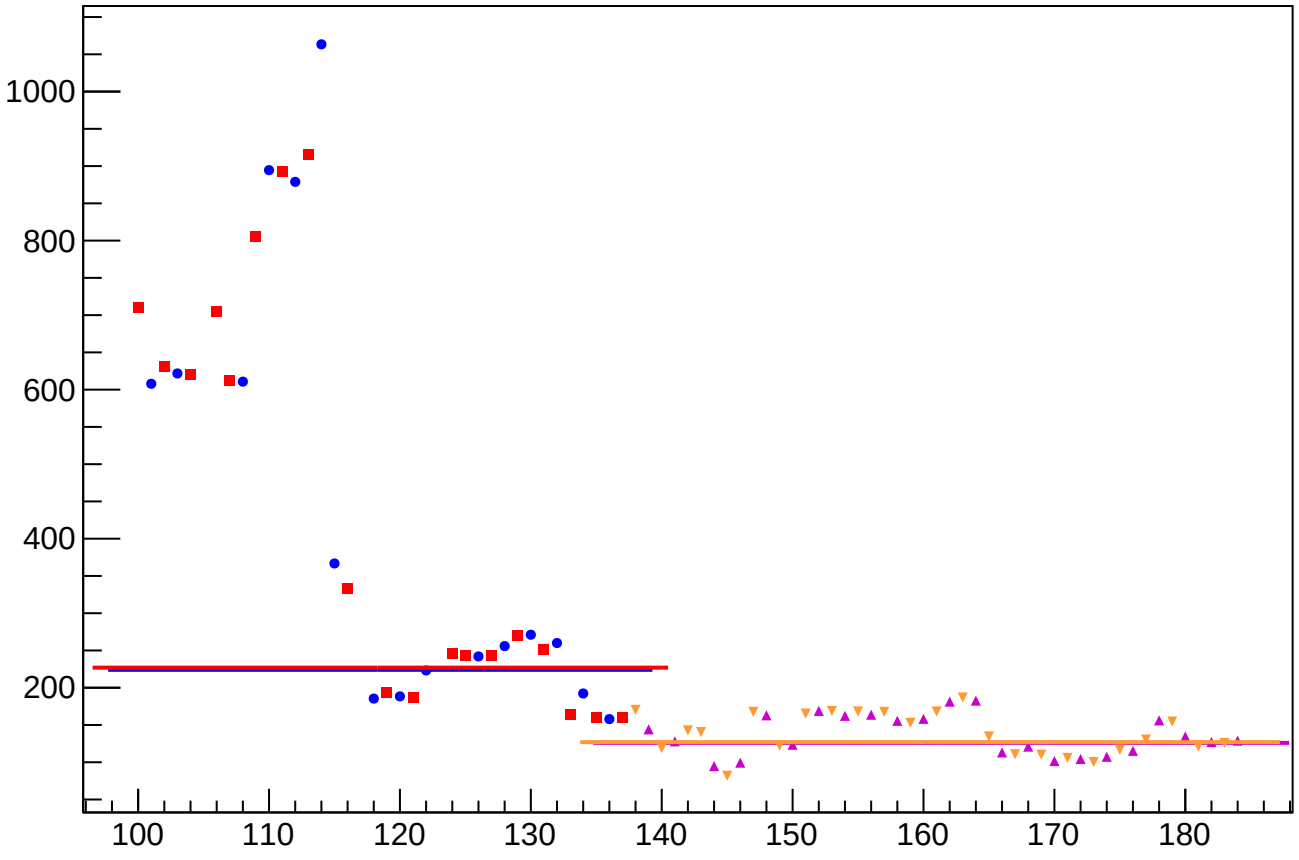
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -98.905+/-28.450 χ^2/NDF: 49.2/39

All: -63.366+/-20.237 χ^2/NDF: 97.3/81

- sign -26.968+/-28.792 χ^2/NDF: 44.9/41



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

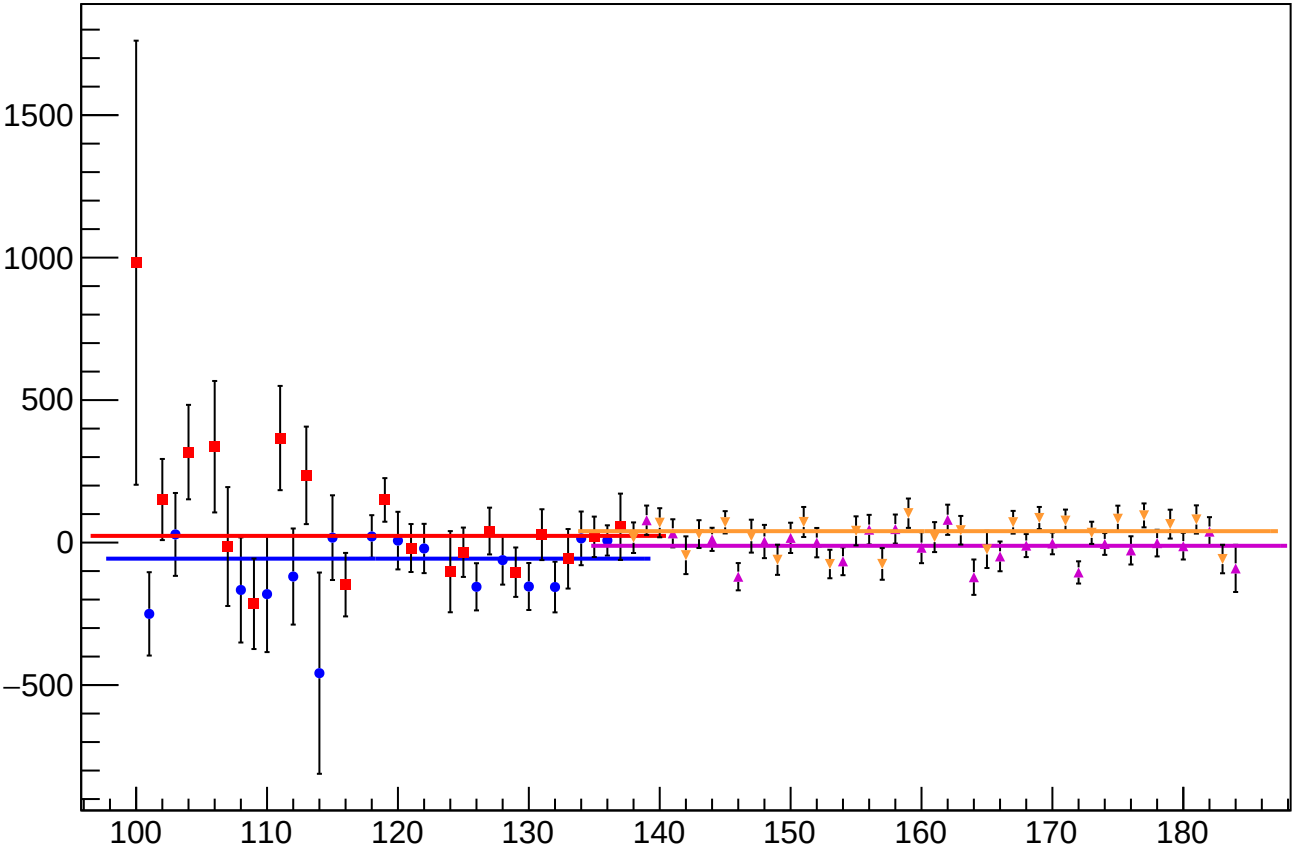
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.950+/-0.020 χ^2/NDF: 6660590.7/39

All: 135.540+/-0.014 χ^2/NDF: 13662107.5/81

- sign 135.120+/-0.020 χ^2/NDF: 7000676.3/41

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

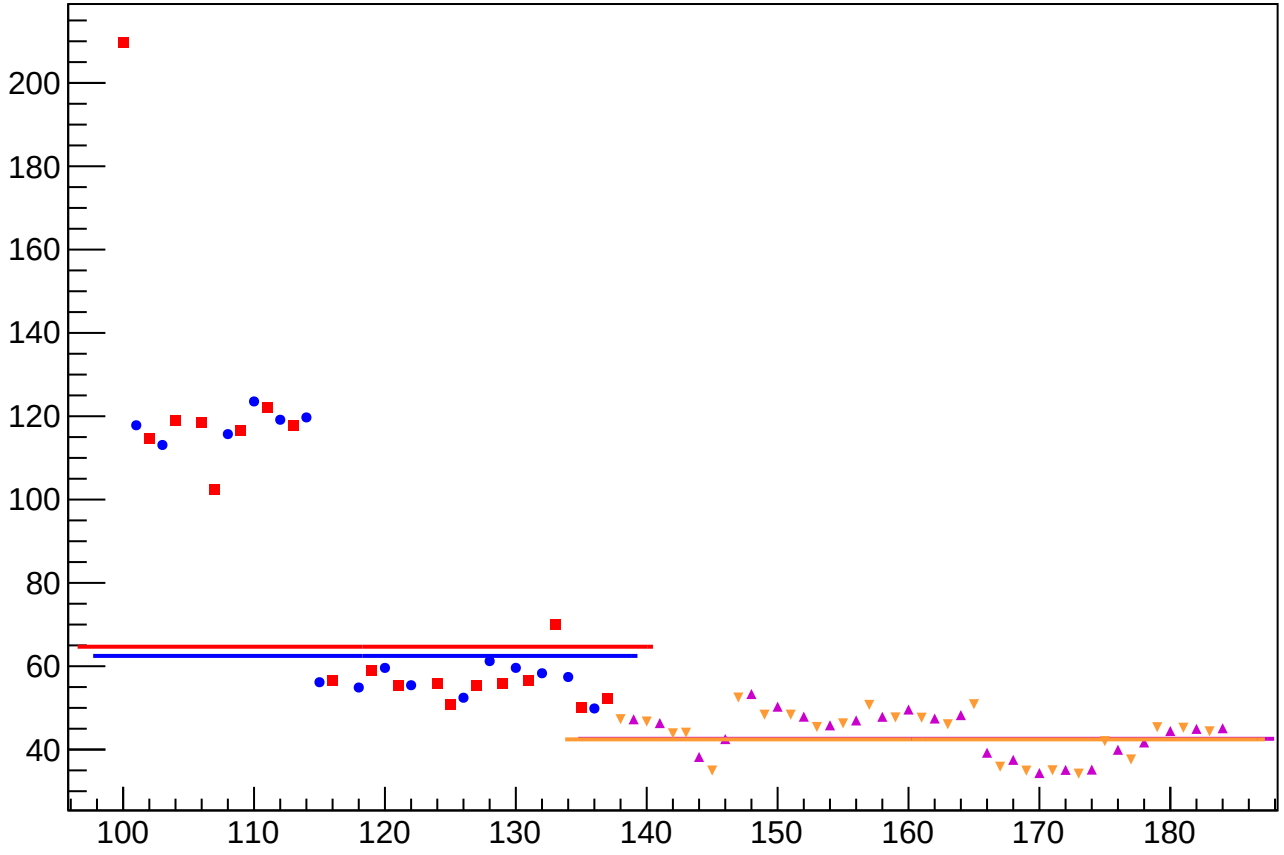
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.693+/-9.111 χ^2/NDF: 55.1/39

All: 10.536+/-6.527 χ^2/NDF: 115.2/81

- sign -6.495+/-9.355 χ^2/NDF: 53.7/41

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

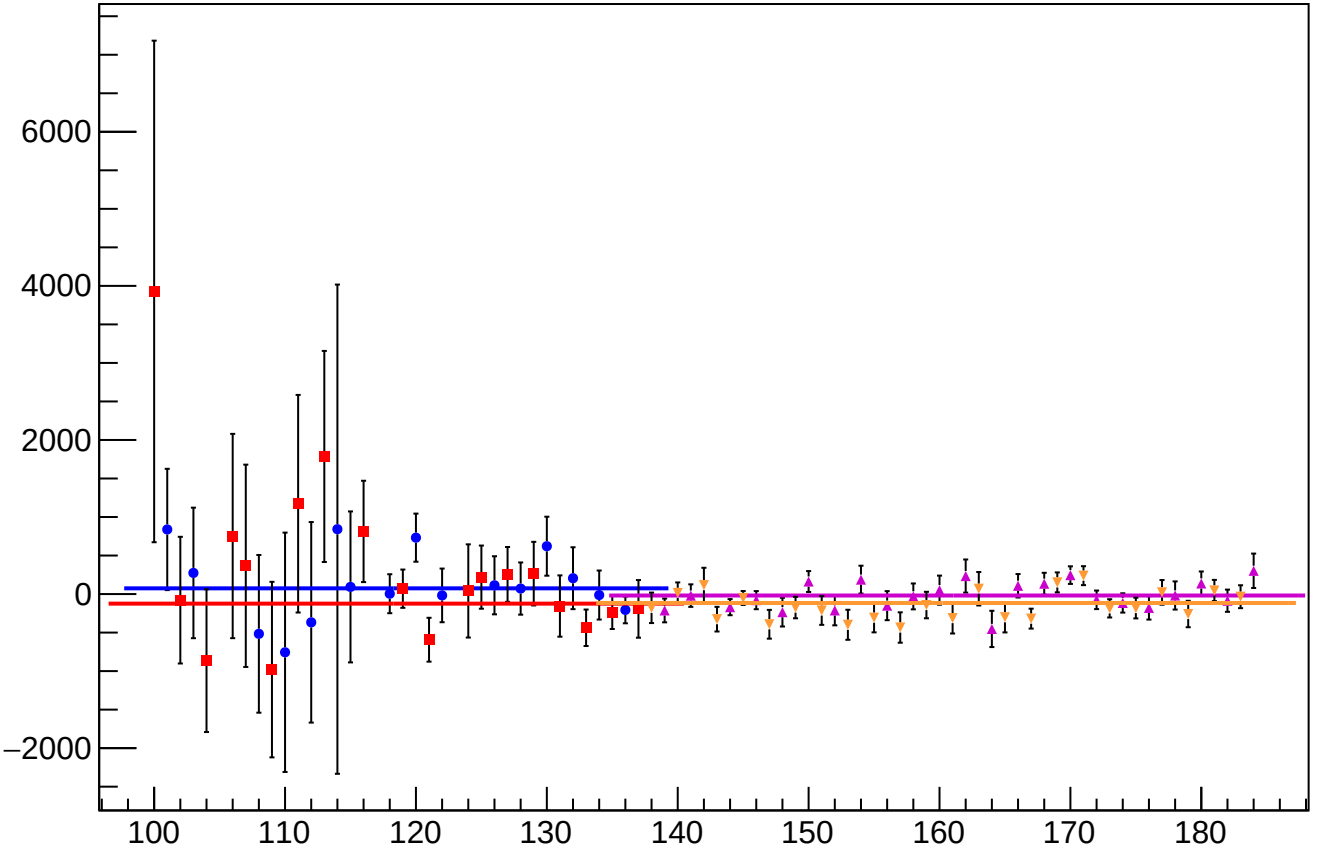
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.213+/-0.006 χ^2/NDF: 3199980.9/39

All: 45.418+/-0.005 χ^2/NDF: 6712300.8/81

- sign 45.634+/-0.007 χ^2/NDF: 3510241.5/41

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

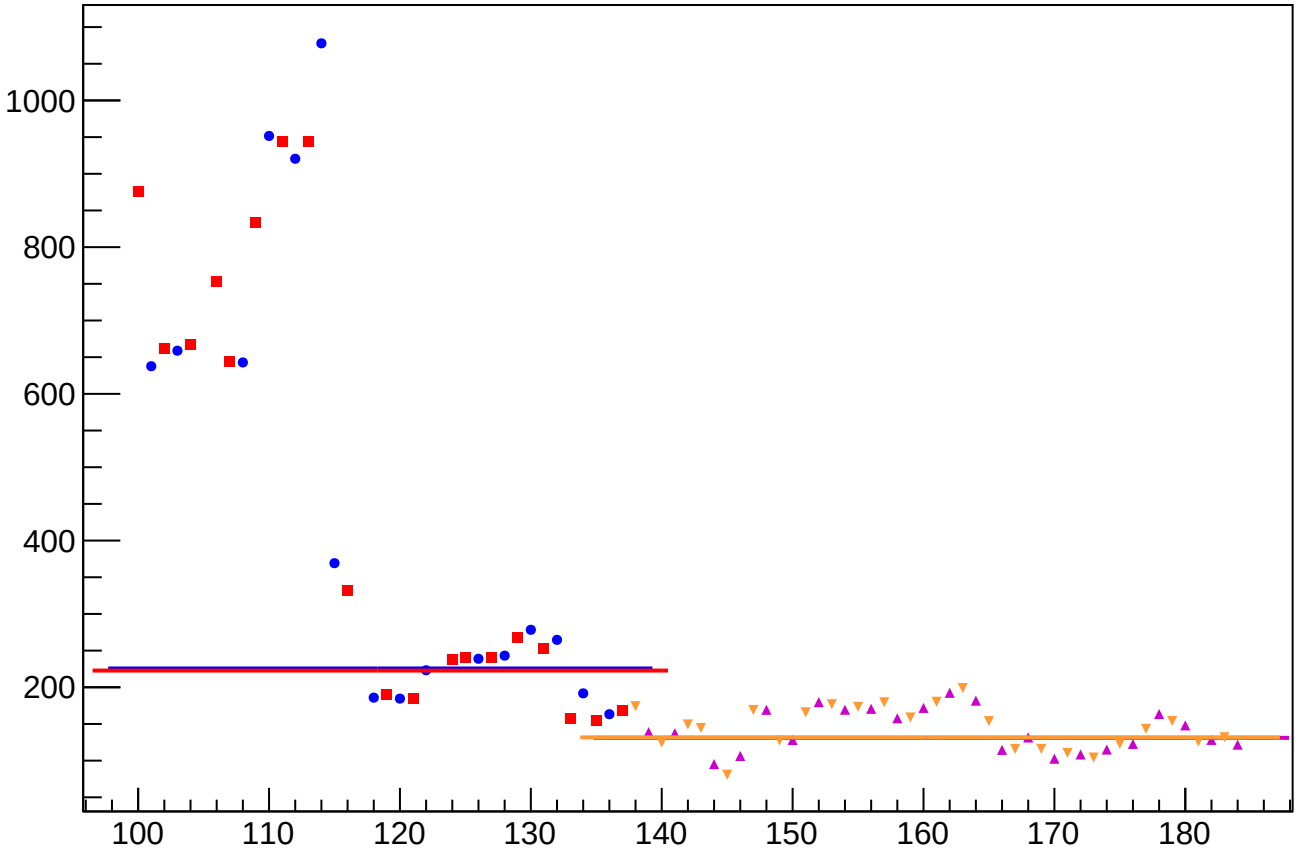
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -97.278+/-29.468 χ^2/NDF: 48.9/39

All: -63.761+/-20.977 χ^2/NDF: 96.2/81

- sign -29.327+/-29.869 χ^2/NDF: 44.7/41

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

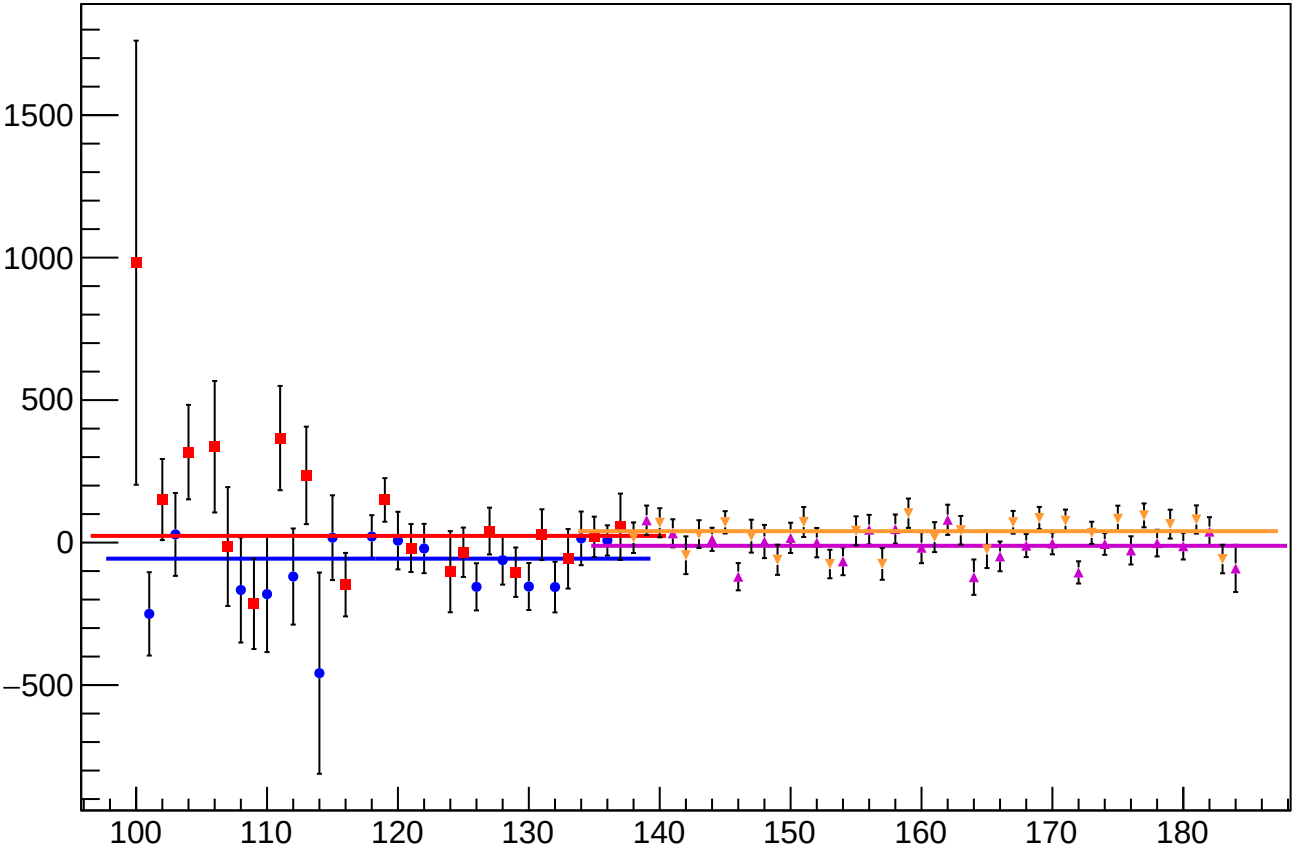
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 140.811+/-0.021 χ^2/NDF: 6710184.9/39

All: 140.512+/-0.015 χ^2/NDF: 13716853.1/81

- sign 140.204+/-0.021 χ^2/NDF: 7006249.8/41

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

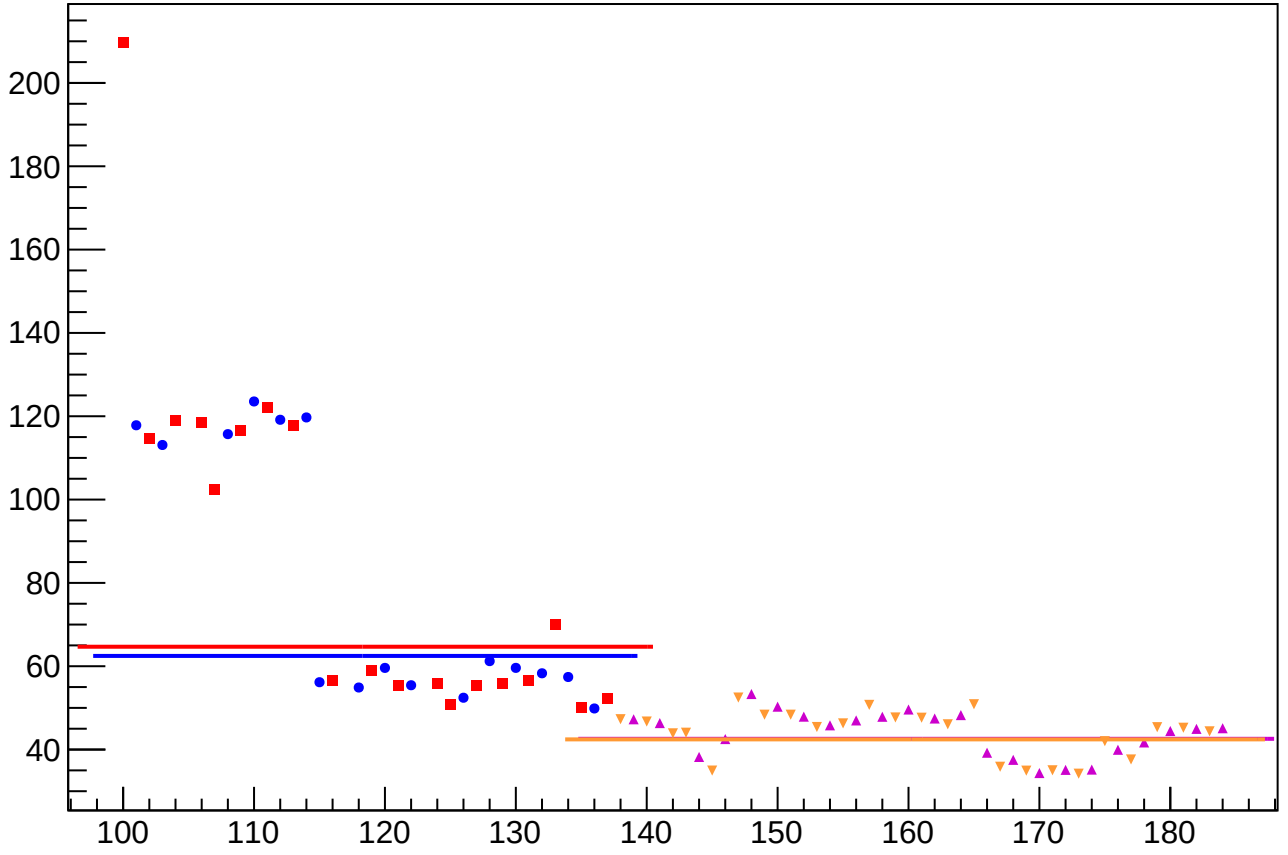
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.693+/-9.111 χ^2/NDF: 55.1/39

All: 10.537+/-6.527 χ^2/NDF: 115.2/81

- sign -6.495+/-9.355 χ^2/NDF: 53.7/41

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

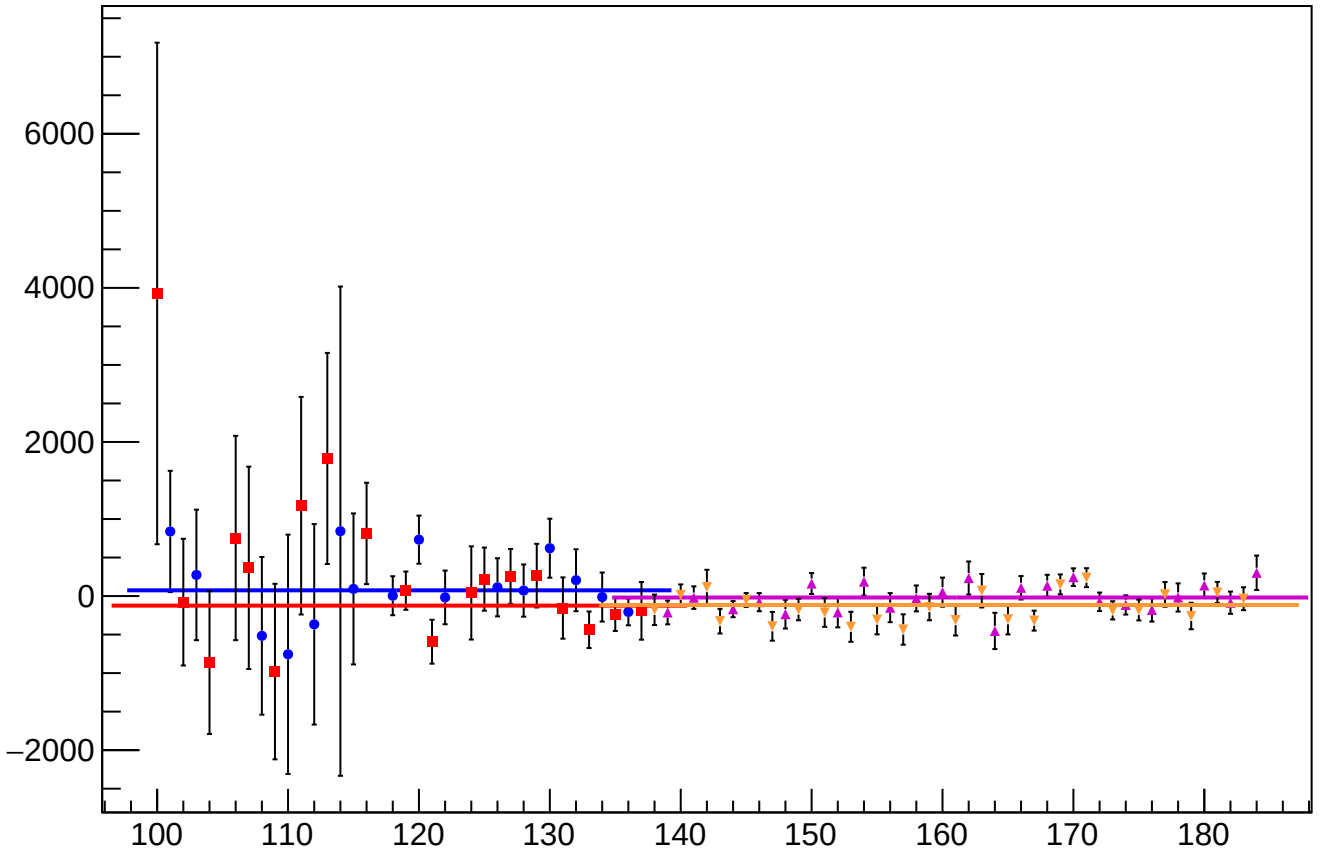
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.213+/-0.006 χ^2/NDF: 3199937.1/39

All: 45.418+/-0.005 χ^2/NDF: 6712210.0/81

- sign 45.634+/-0.007 χ^2/NDF: 3510193.6/41



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -115.762+/-31.015 χ^2/NDF:34.1/23

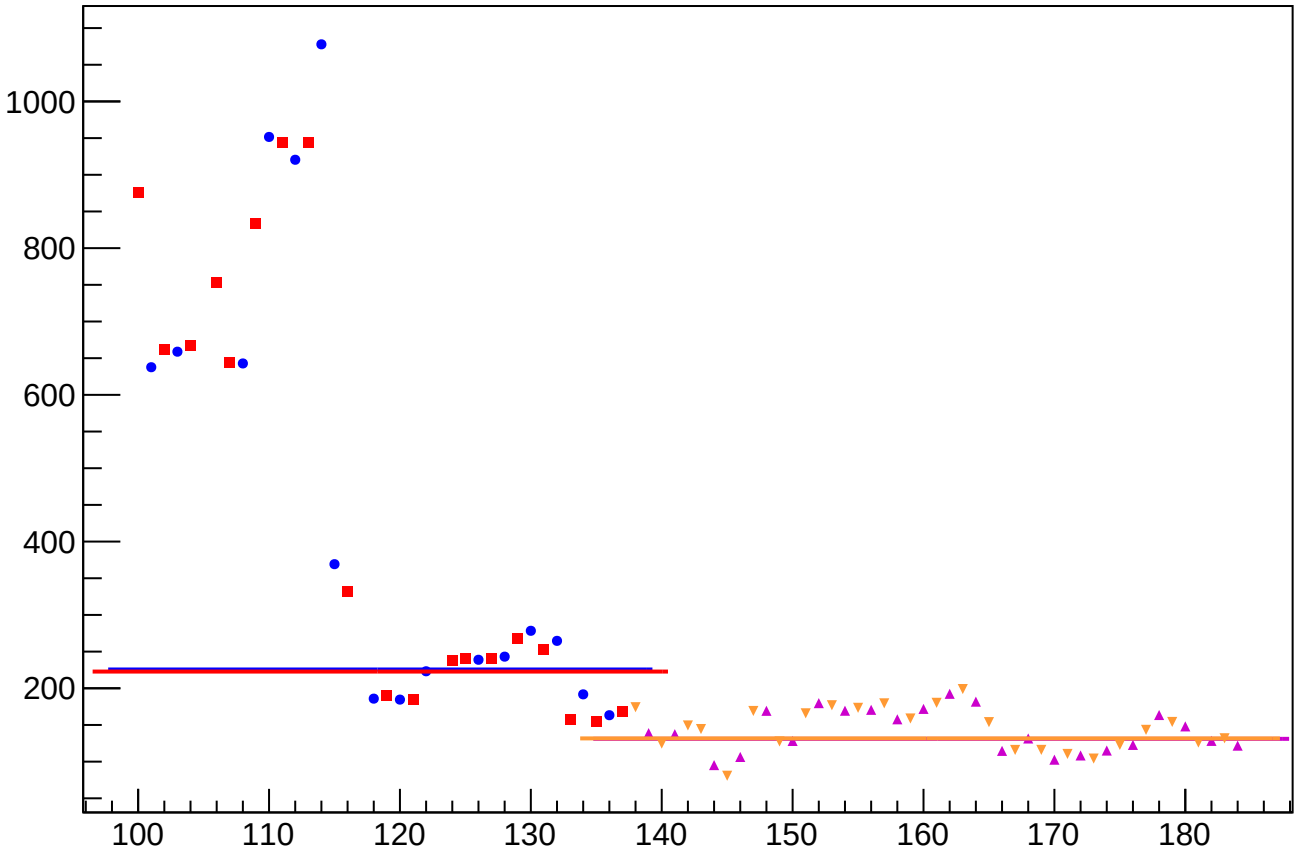
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -97.278+/-29.468 χ^2/NDF: 48.9/39

All: -63.761+/-20.977 χ^2/NDF: 96.2/81

- sign -29.327+/-29.869 χ^2/NDF: 44.7/41



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

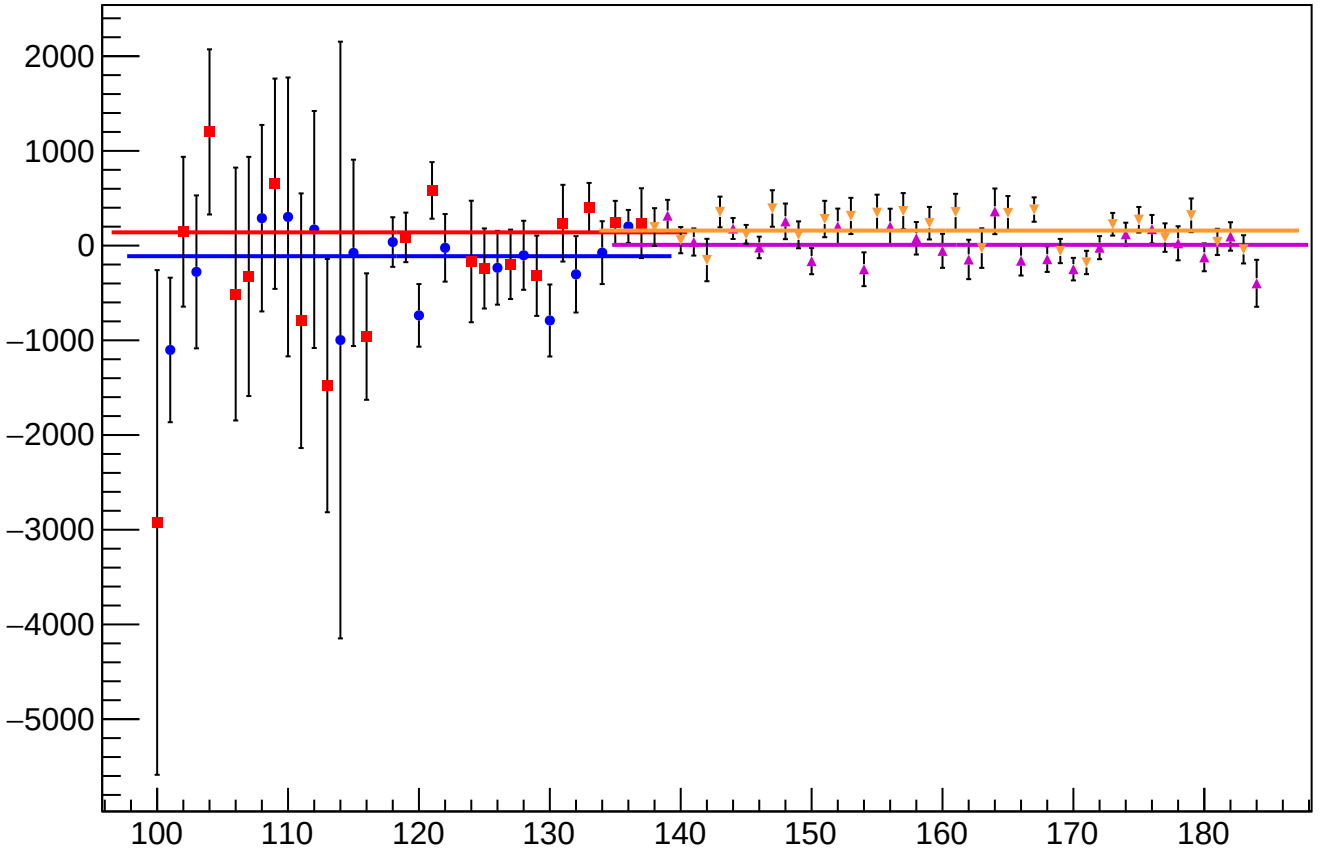
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 140.811+/-0.021 χ^2/NDF: 6710156.7/39

All: 140.512+/-0.015 χ^2/NDF: 13716817.1/81

- sign 140.204+/-0.021 χ^2/NDF: 7006241.9/41

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

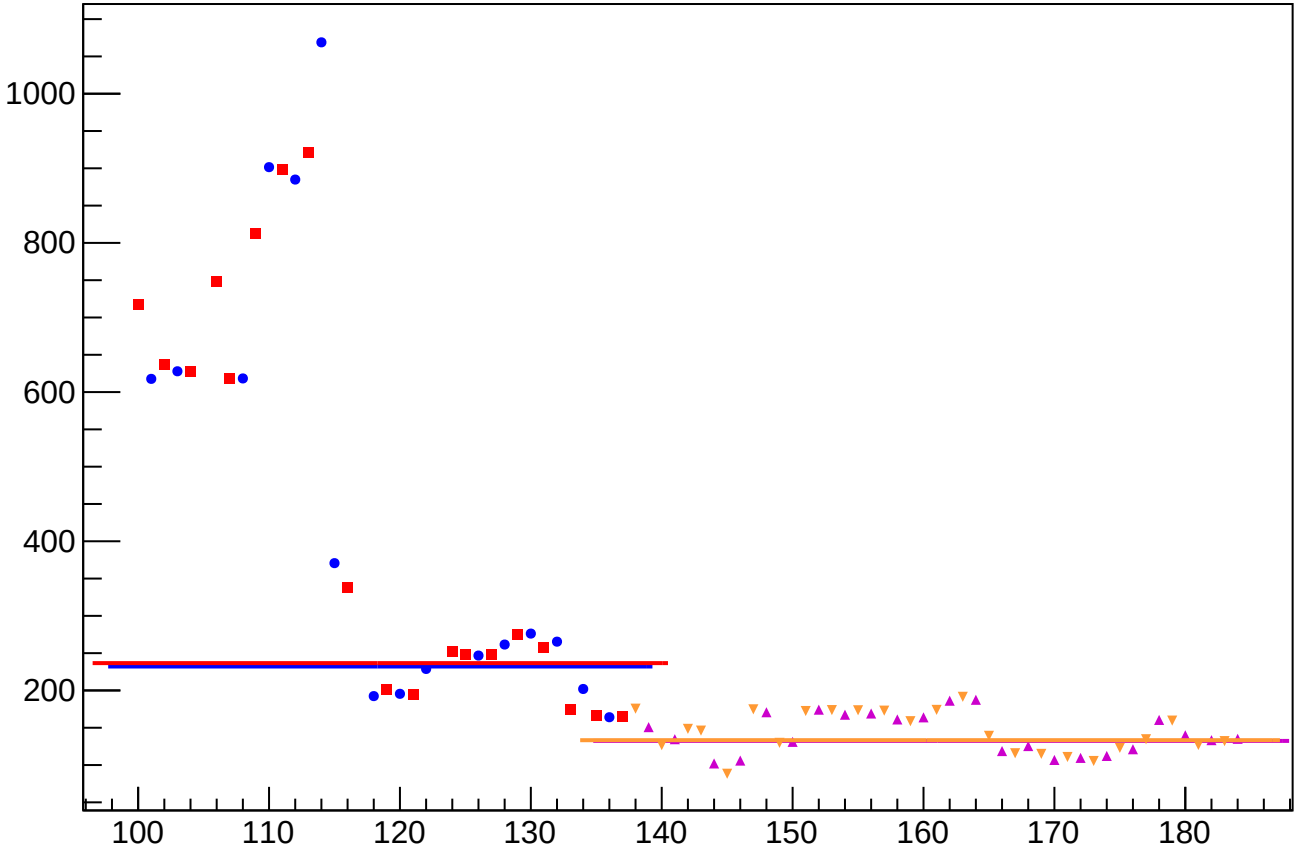
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 133.278+/-29.742 χ^2/NDF: 49.8/39

All: 77.429+/-21.166 χ^2/NDF: 102.7/81

- sign 20.125+/-30.127 χ^2/NDF: 45.7/41

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

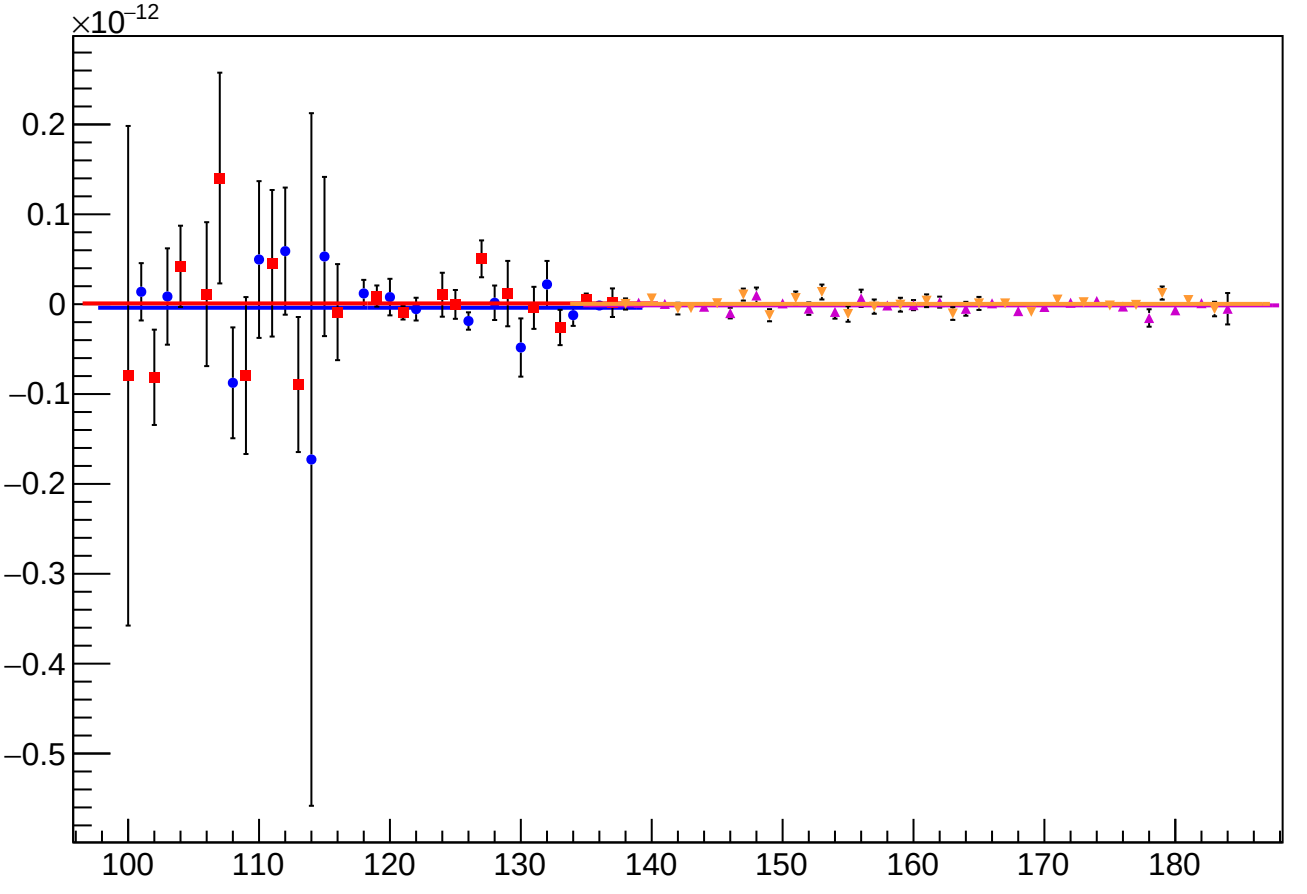
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 142.672+/-0.021 χ^2/NDF: 6355522.1/39

All: 142.324+/-0.015 χ^2/NDF: 13163030.8/81

- sign 141.967+/-0.021 χ^2/NDF: 6806953.9/41



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

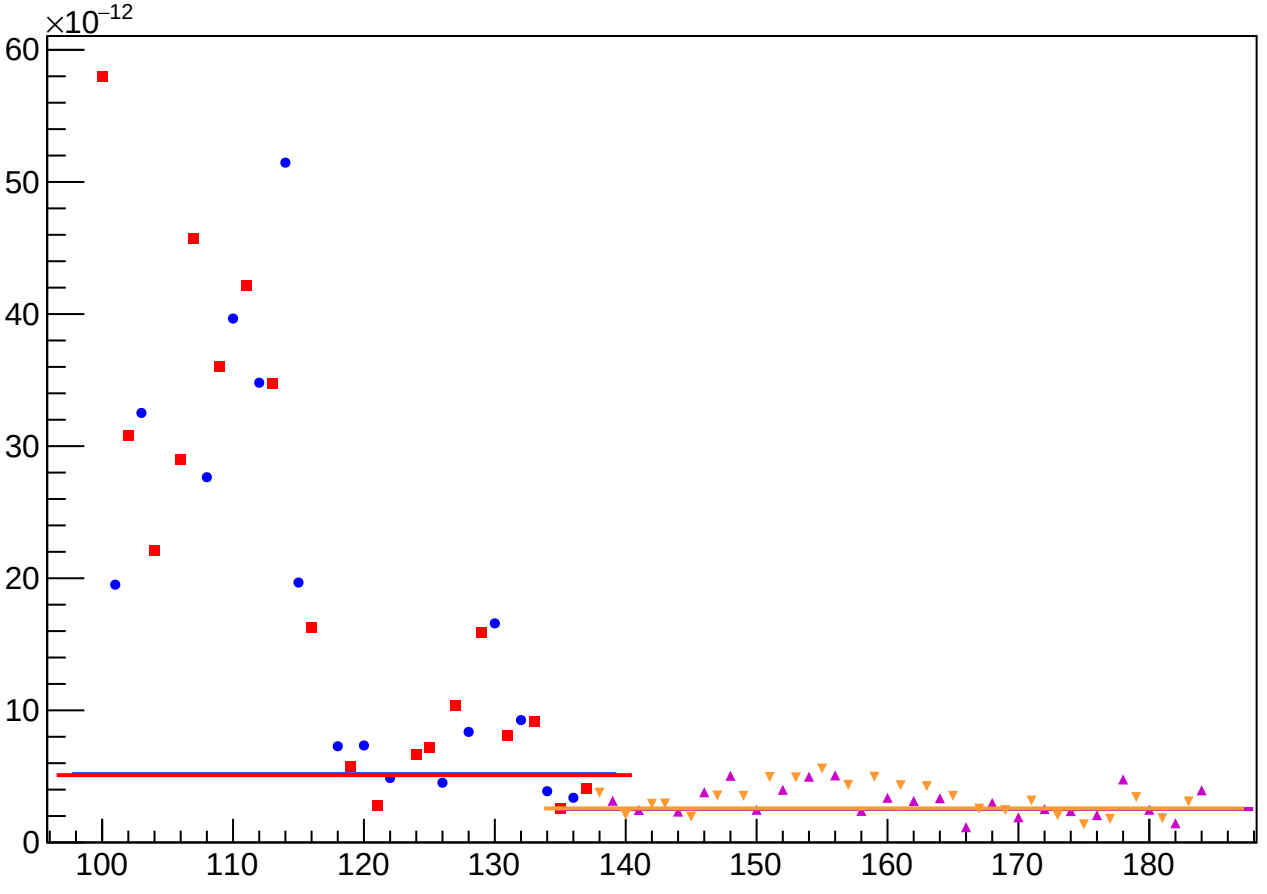
Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.7/39

All: -0.000+/-0.000 χ^2/NDF: 73.7/81

- sign -0.000+/-0.000 χ^2/NDF: 33.3/41

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



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

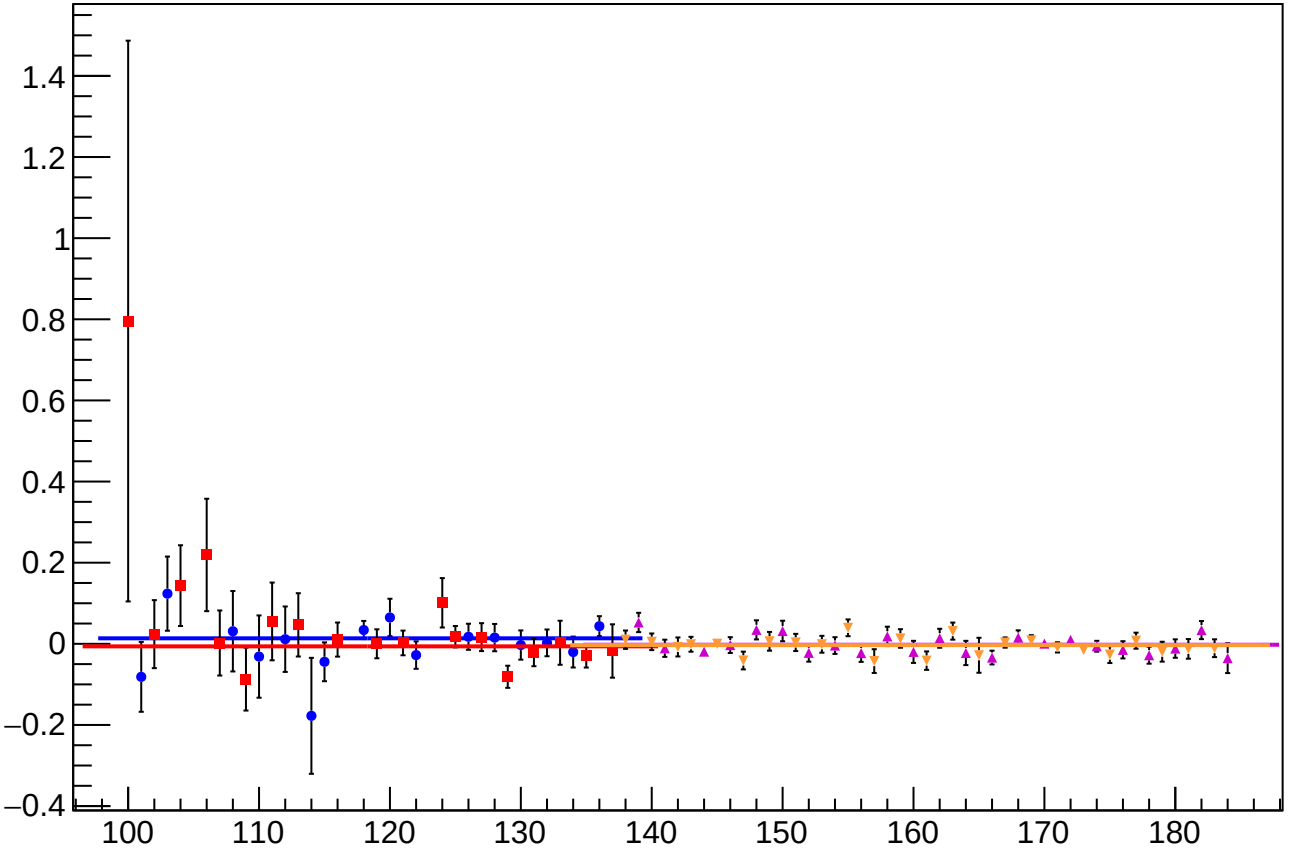
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5698927.2/39

All: 0.000+/-0.000 χ^2/NDF: 11255795.3/81

- sign 0.000+/-0.000 χ^2/NDF: 5552854.4/41

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

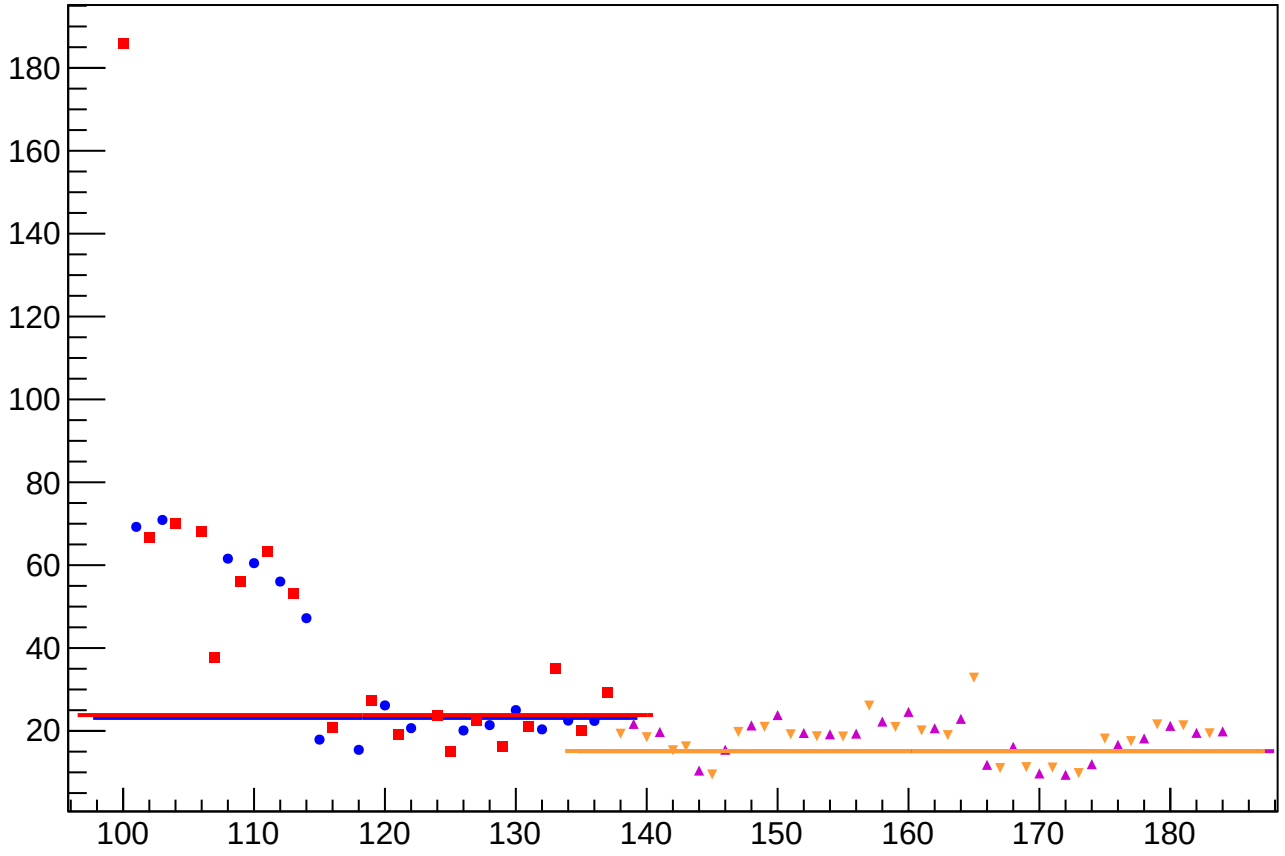
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 35.9/39

All: -0.002+/-0.002 χ^2/NDF: 84.5/81

- sign -0.003+/-0.004 χ^2/NDF: 48.5/41

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

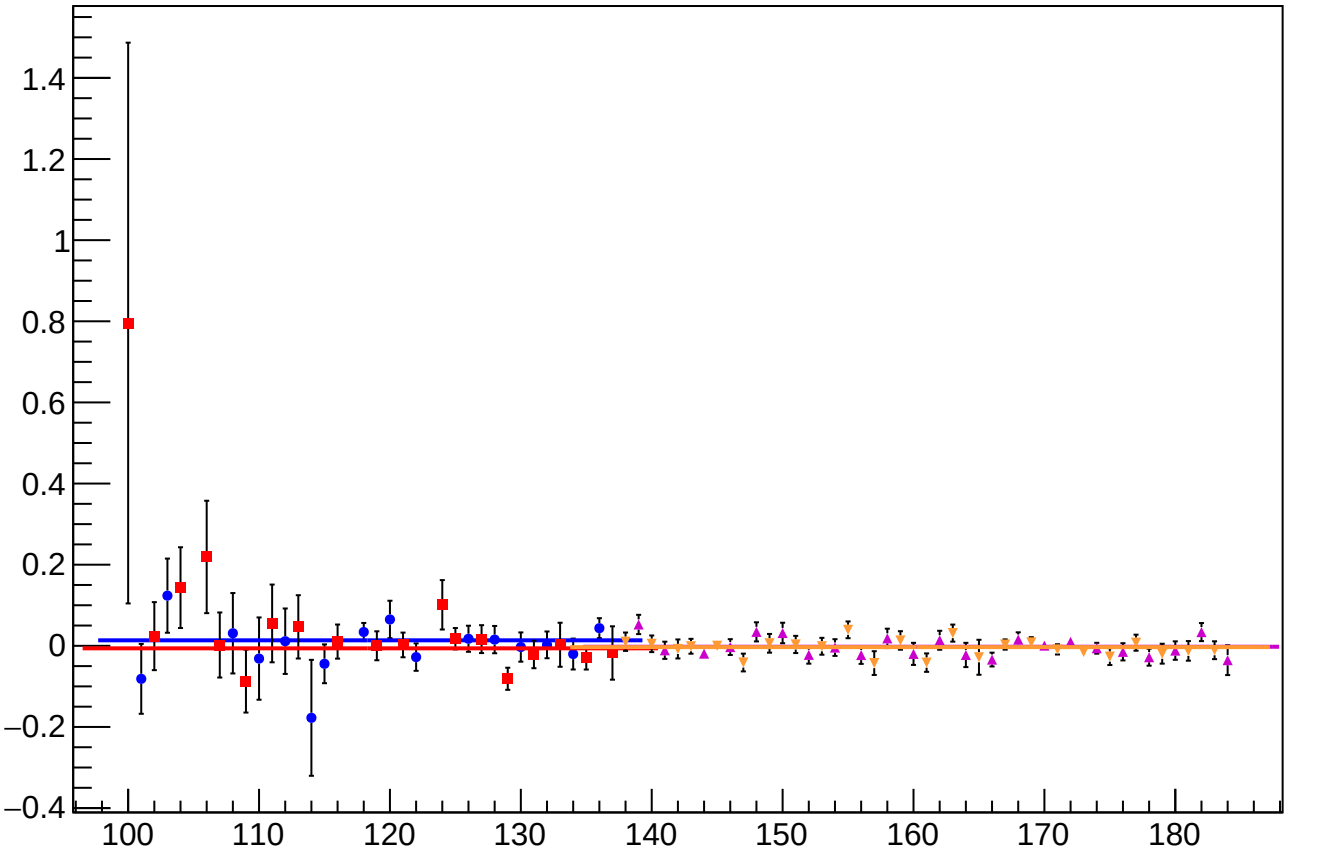
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.150+/-0.002 χ^2/NDF: 6954602.1/39

All: 16.182+/-0.002 χ^2/NDF: 14563776.1/81

\- sign 16.215+/-0.003 χ^2/NDF: 7608834.5/41



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:21.0/23

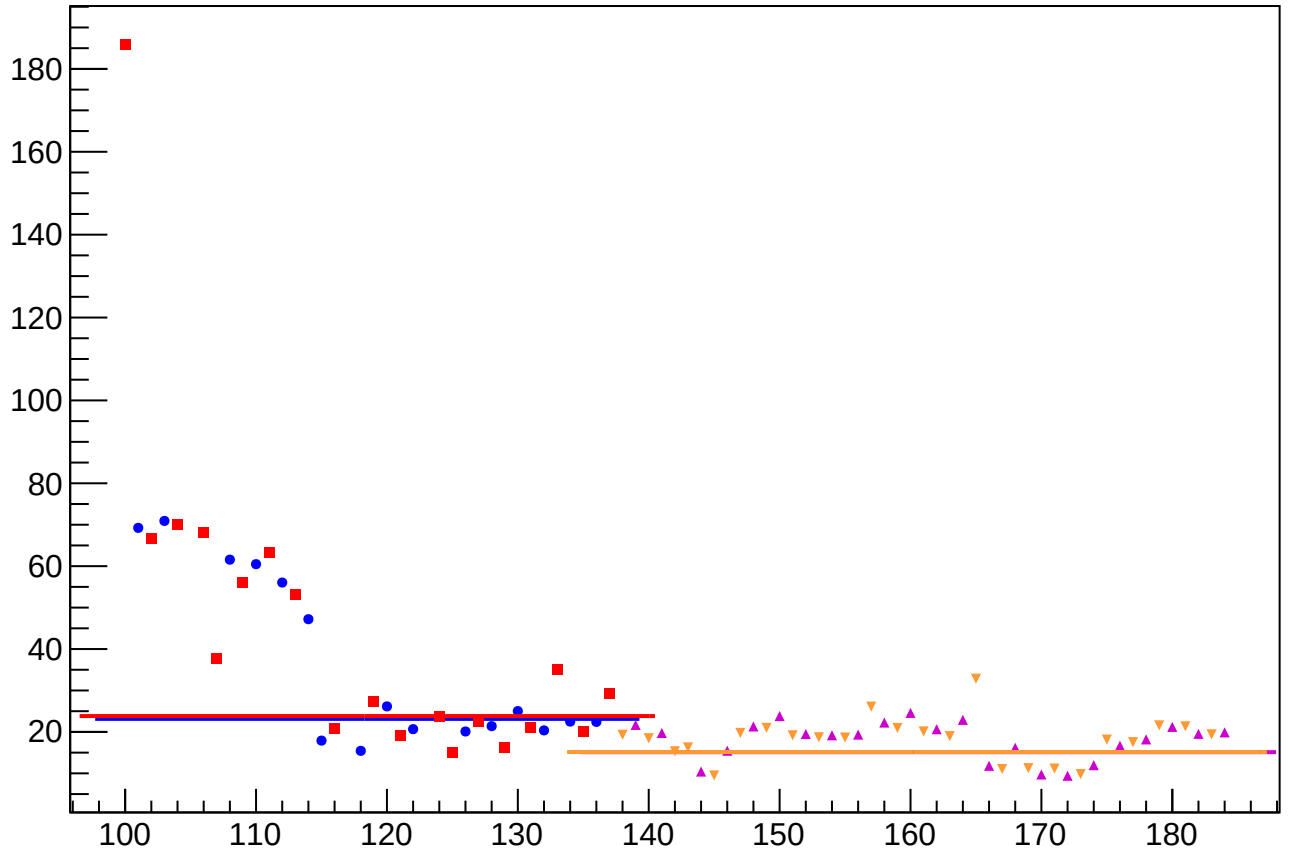
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 35.9/39

All: -0.002+/-0.002 χ^2/NDF: 84.5/81

- sign -0.003+/-0.004 χ^2/NDF: 48.5/41



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.152+/-0.003 χ^2/NDF:3394863.3/23

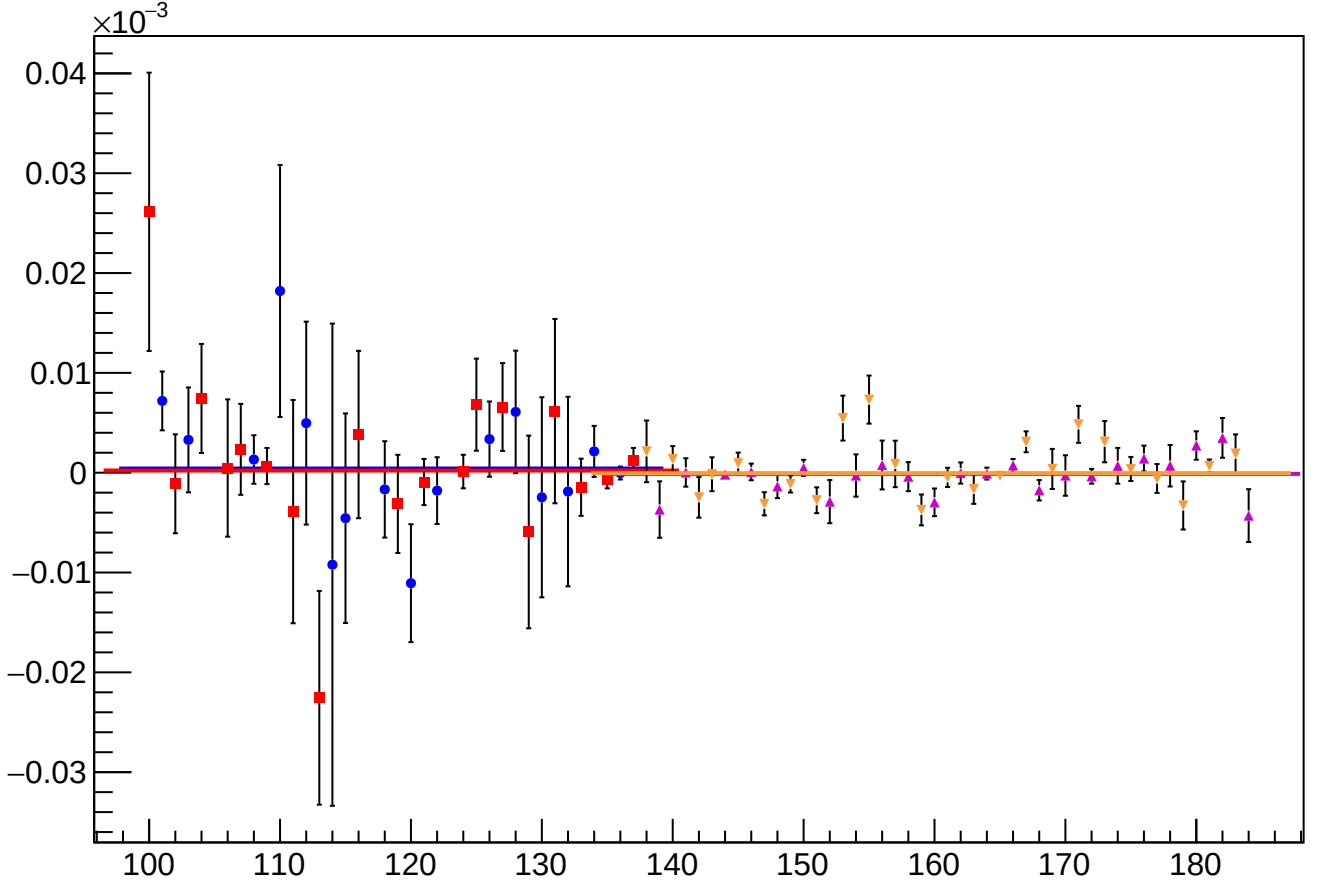
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.150+/-0.002 χ^2/NDF: 6954602.1/39

All: 16.182+/-0.002 χ^2/NDF: 14563776.1/81

- sign 16.215+/-0.003 χ^2/NDF: 7608834.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/23

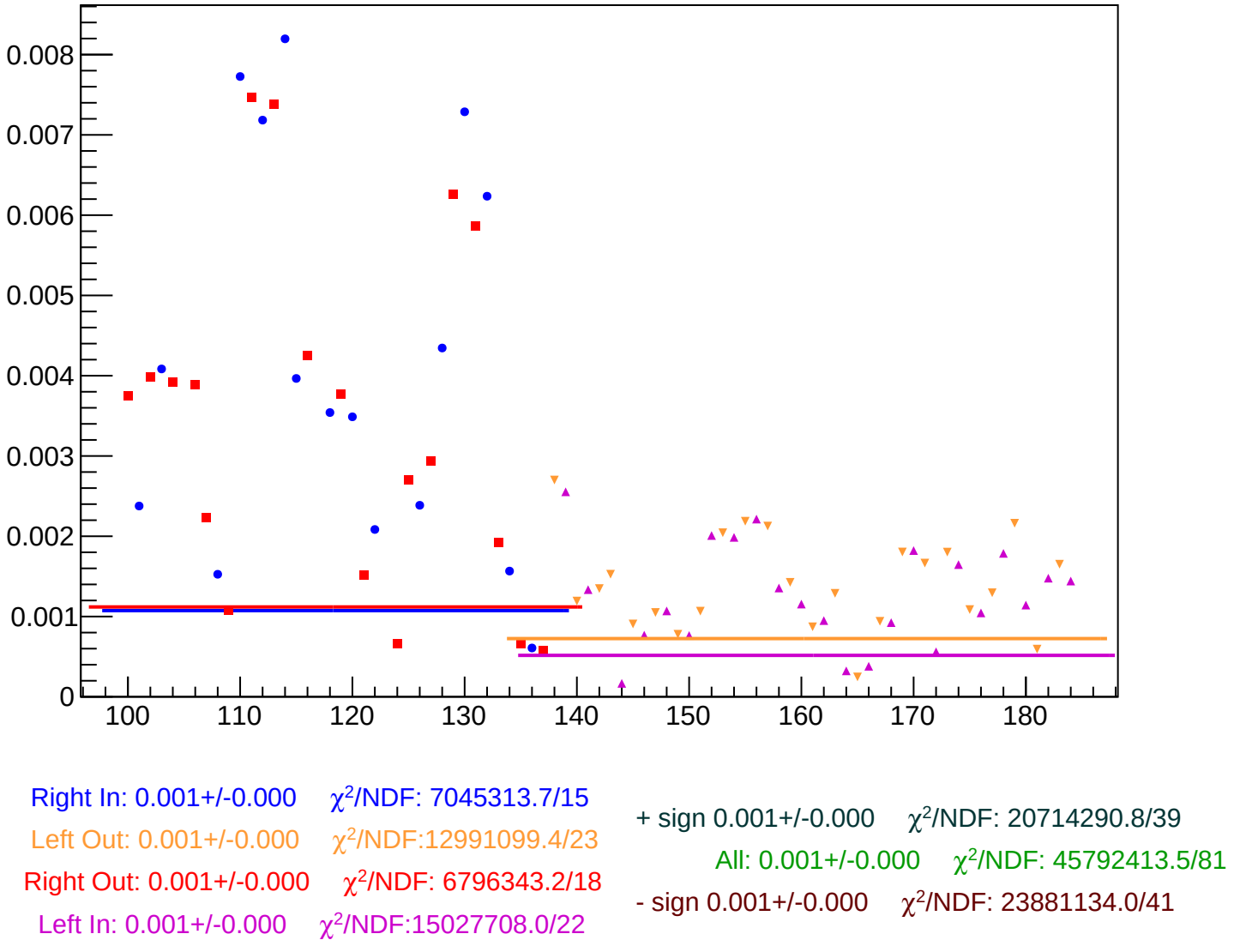
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

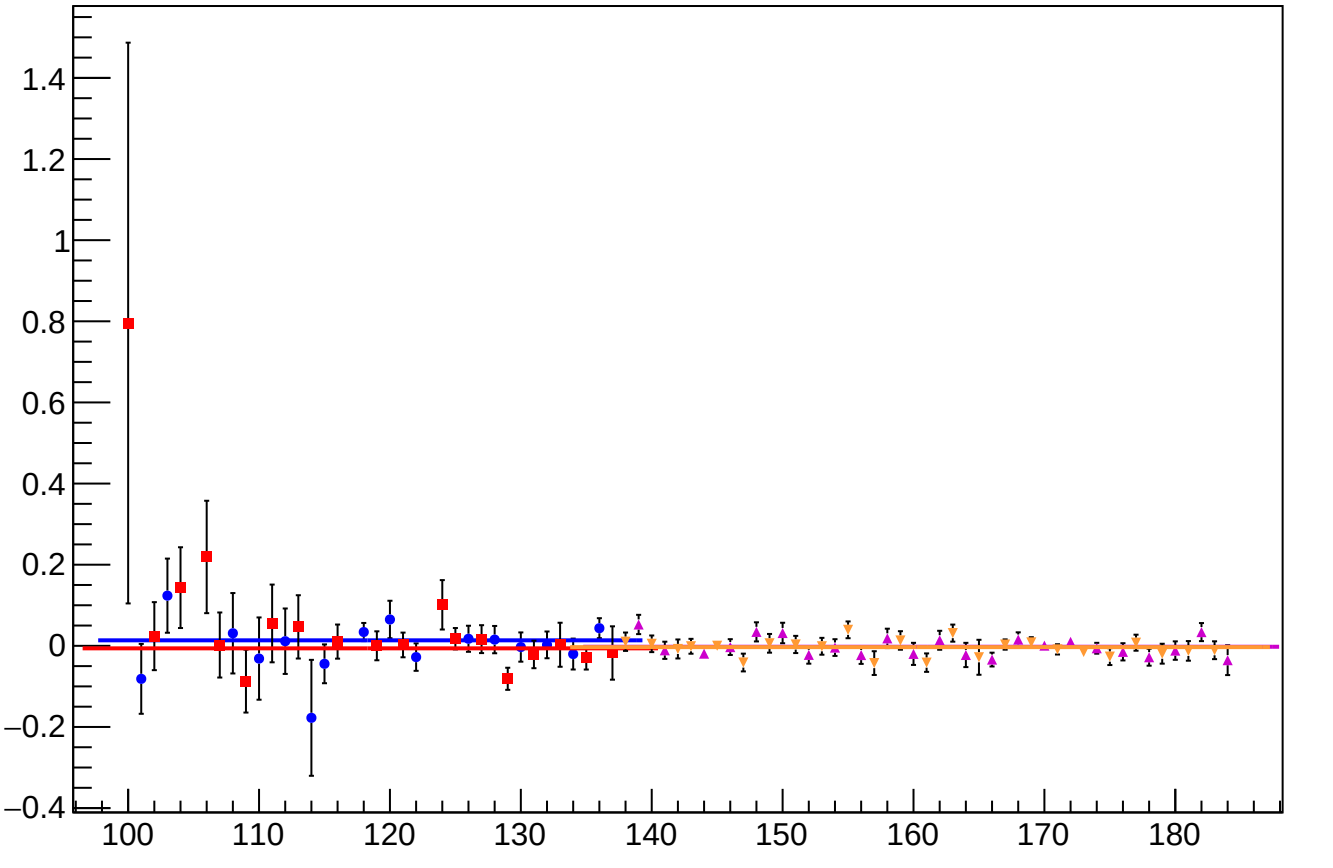
Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.7/39

All: -0.000+/-0.000 χ^2/NDF: 122.5/81

- sign -0.000+/-0.000 χ^2/NDF: 43.7/41


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:12991099.4/23
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.001+/-0.000 χ²/NDF:15027708.0/22
+ sign 0.001+/-0.000 χ²/NDF: 20714290.8/39
All: 0.001+/-0.000 χ²/NDF: 45792413.5/81
- sign 0.001+/-0.000 χ²/NDF: 23881134.0/41



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:21.0/23

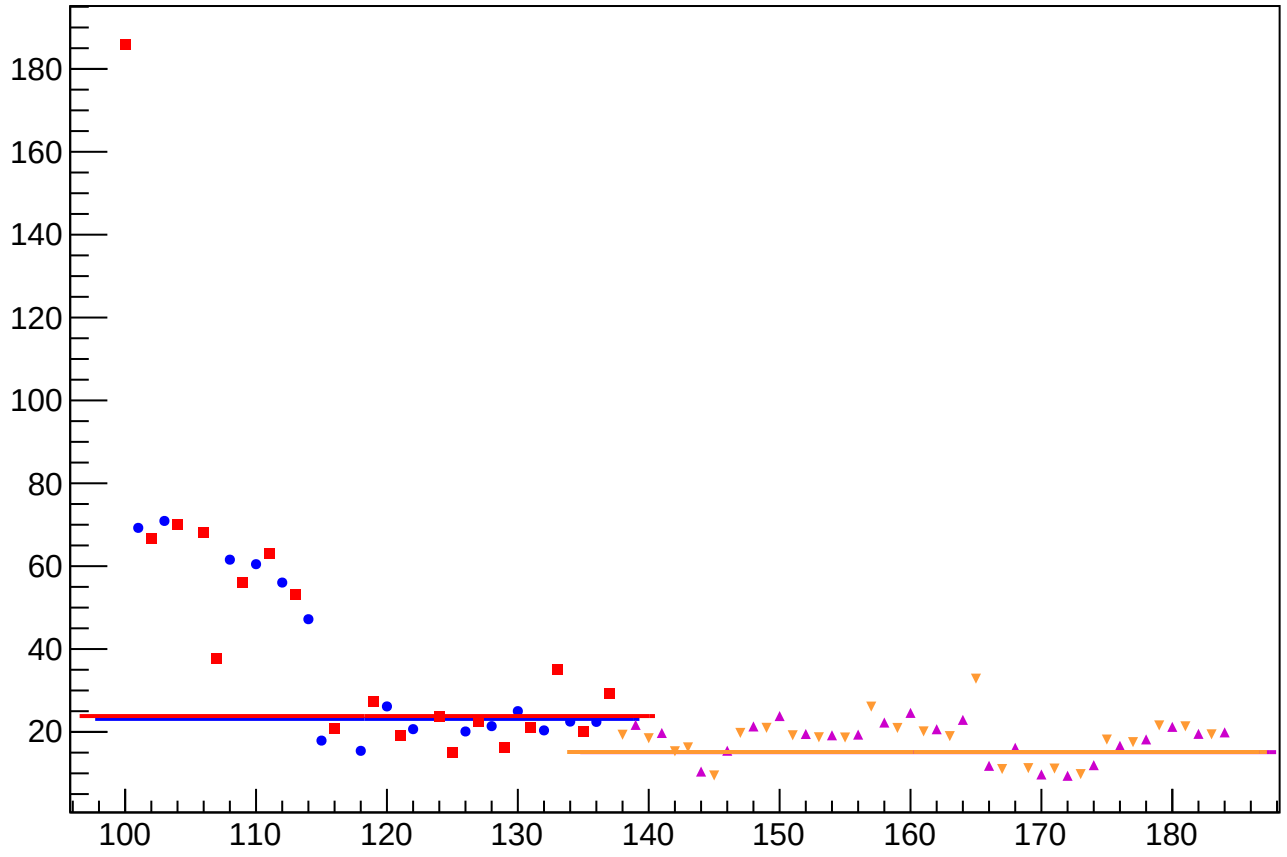
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 35.9/39

All: -0.002+/-0.002 χ^2/NDF: 84.5/81

- sign -0.003+/-0.004 χ^2/NDF: 48.5/41



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.152+/-0.003 χ^2/NDF:3394967.0/23

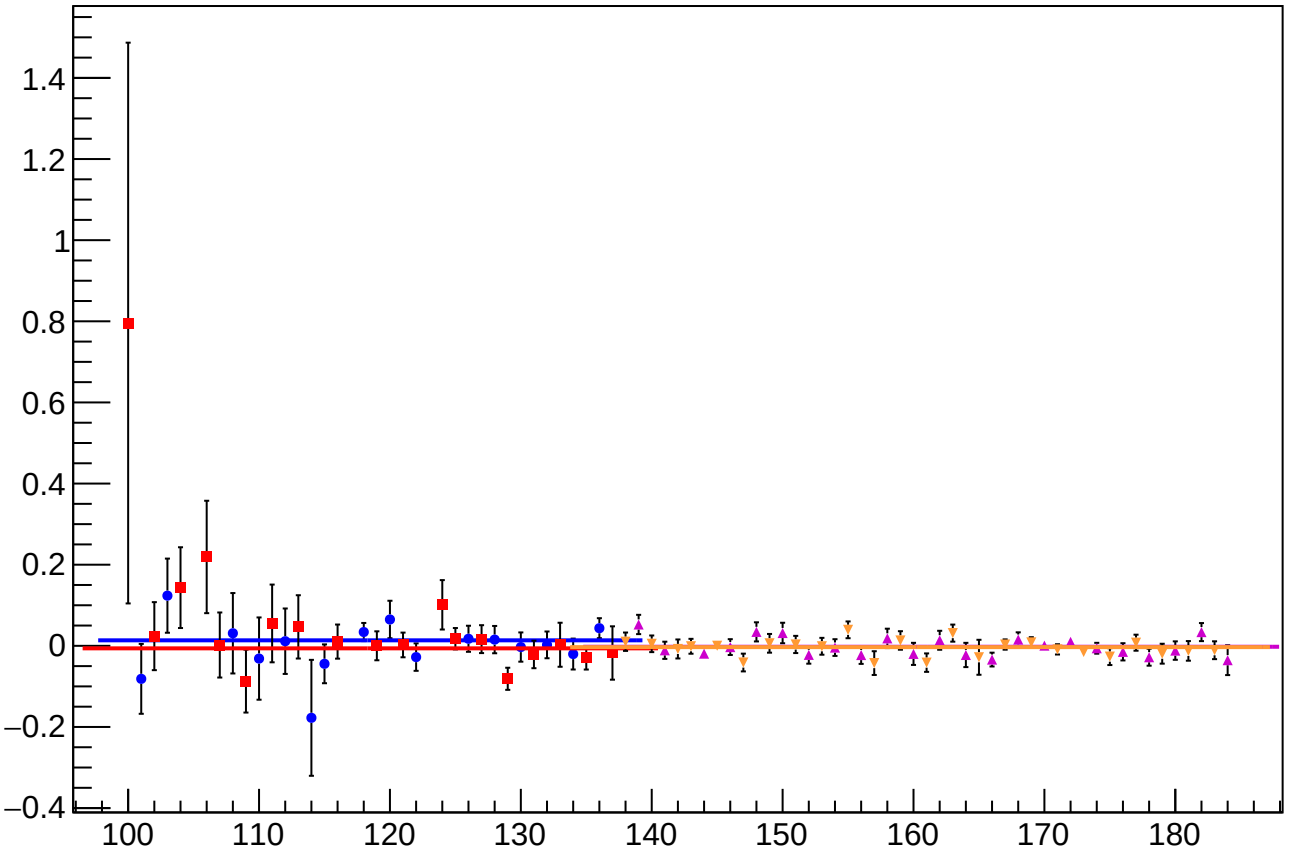
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 16.150+/-0.002 χ^2/NDF: 6954449.2/39

All: 16.182+/-0.002 χ^2/NDF: 14563455.4/81

\- sign 16.215+/-0.003 χ^2/NDF: 7608665.8/41



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:21.0/23

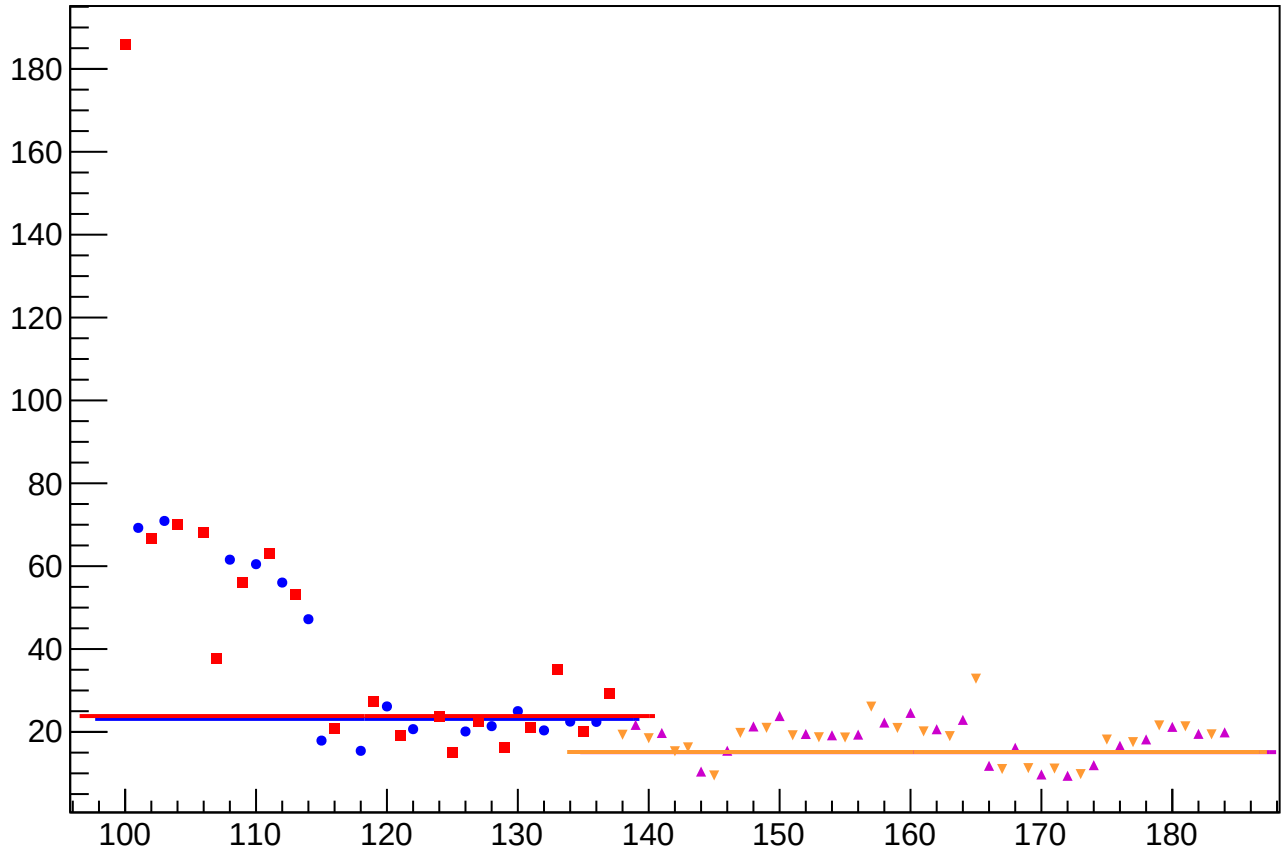
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 35.9/39

All: -0.002+/-0.002 χ^2/NDF: 84.5/81

- sign -0.003+/-0.004 χ^2/NDF: 48.5/41



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.152+/-0.003 χ^2/NDF:3394967.0/23

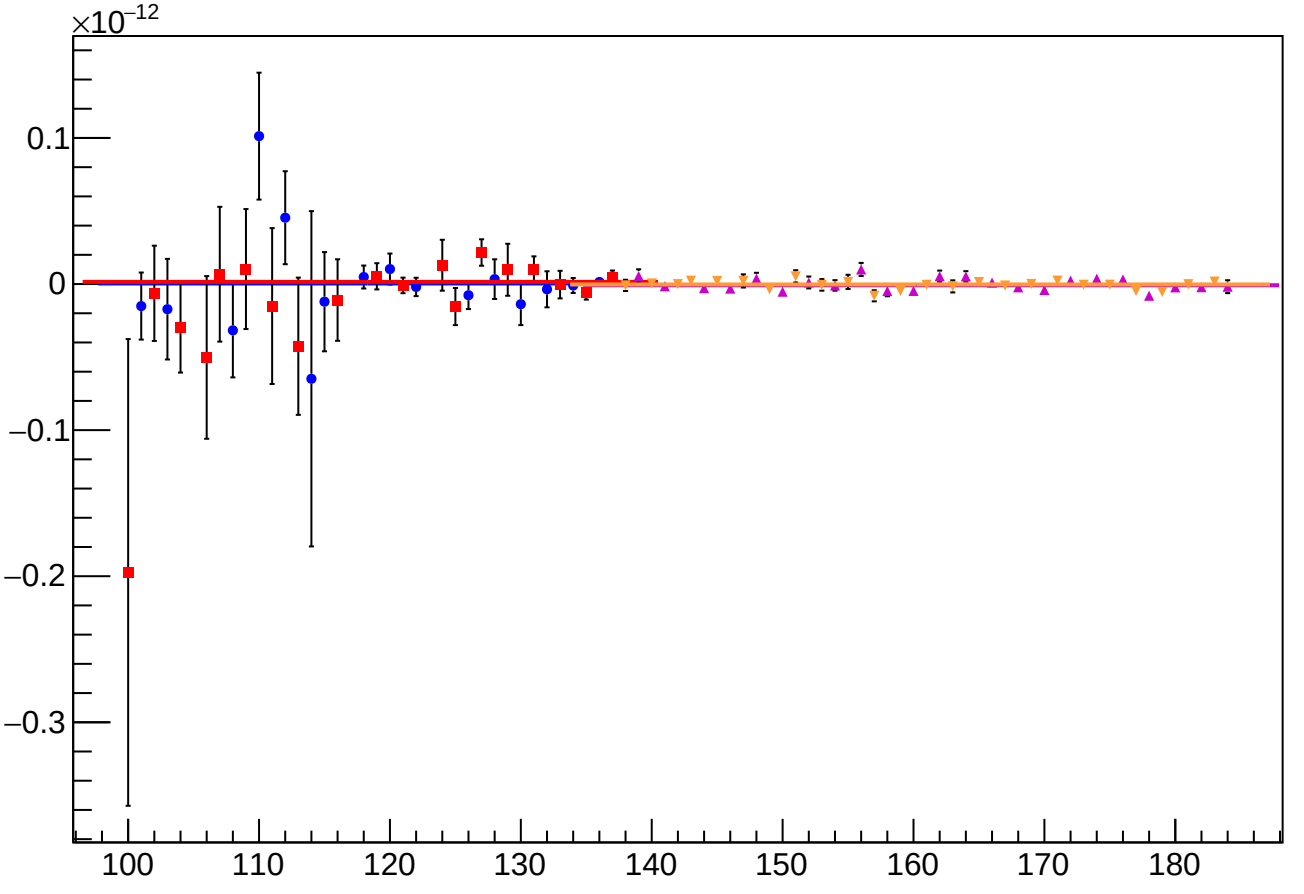
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 16.150+/-0.002 χ^2/NDF: 6954449.2/39

All: 16.182+/-0.002 χ^2/NDF: 14563455.4/81

\- sign 16.215+/-0.003 χ^2/NDF: 7608665.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/23

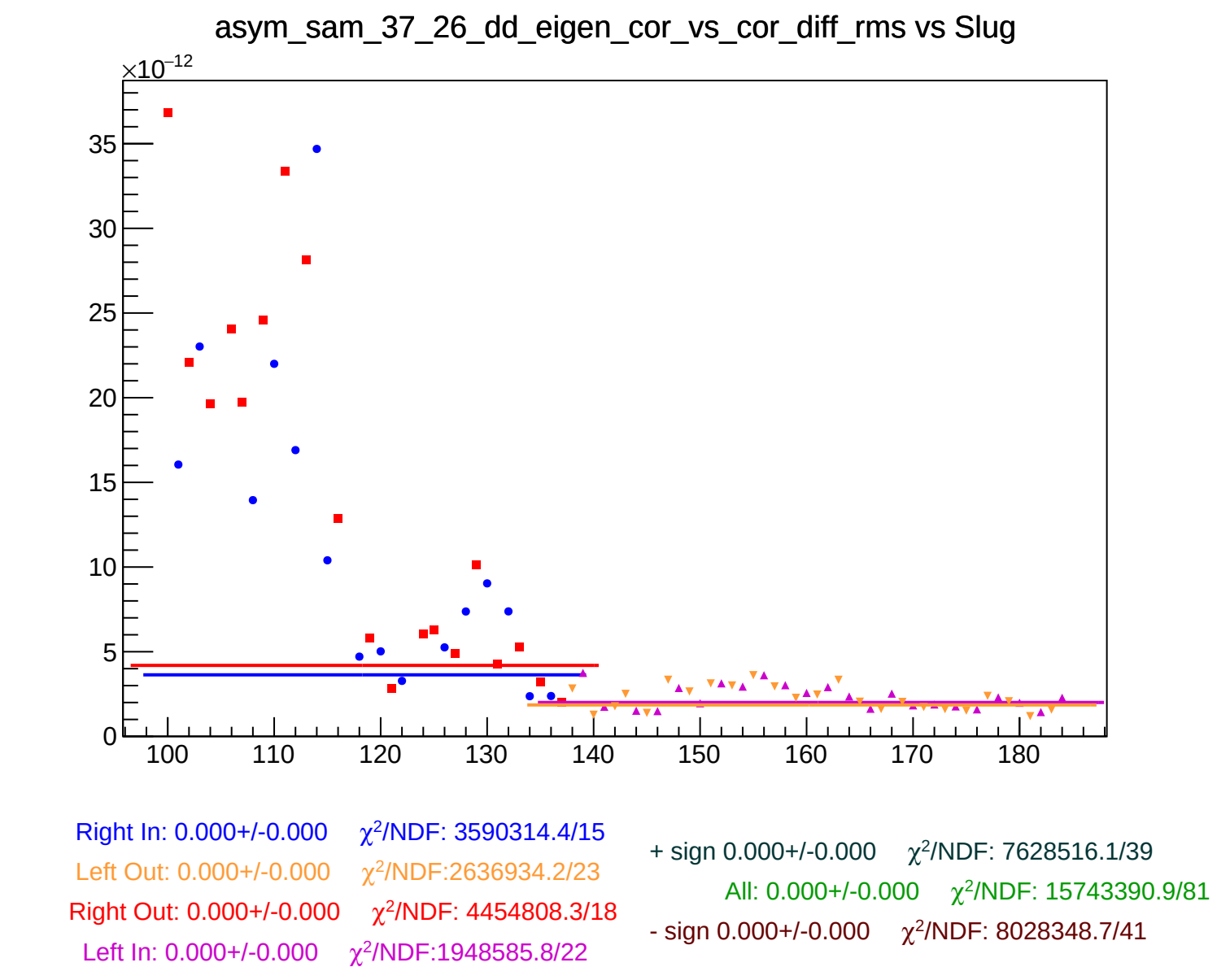
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

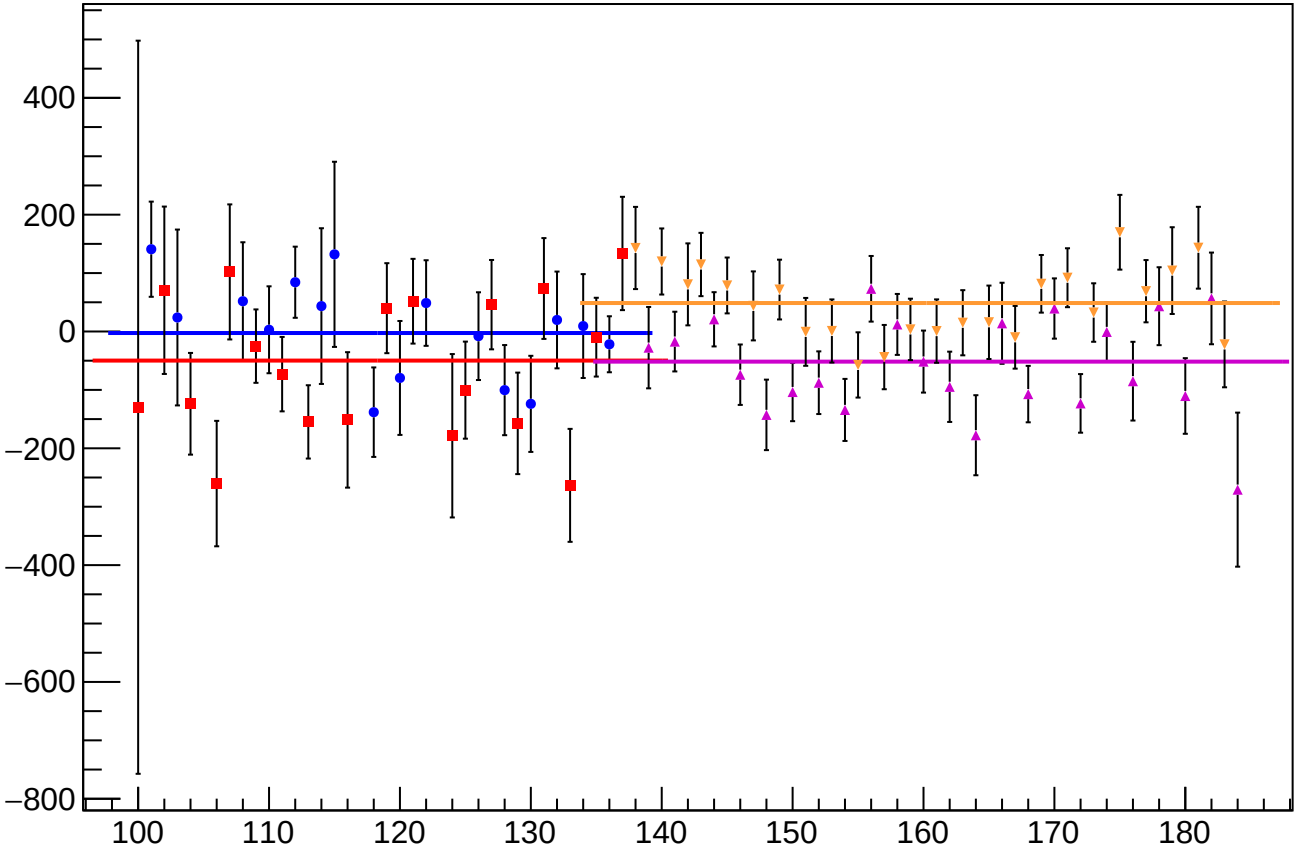
+ sign -0.000+/-0.000 χ^2/NDF: 33.6/39

All: -0.000+/-0.000 χ^2/NDF: 90.0/81

- sign -0.000+/-0.000 χ^2/NDF: 56.0/41


asym_sam_37_26_dd_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: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2636934.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1948585.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7628516.1/39
All: 0.000+/-0.000 χ²/NDF: 15743390.9/81
- sign 0.000+/-0.000 χ²/NDF: 8028348.7/41

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

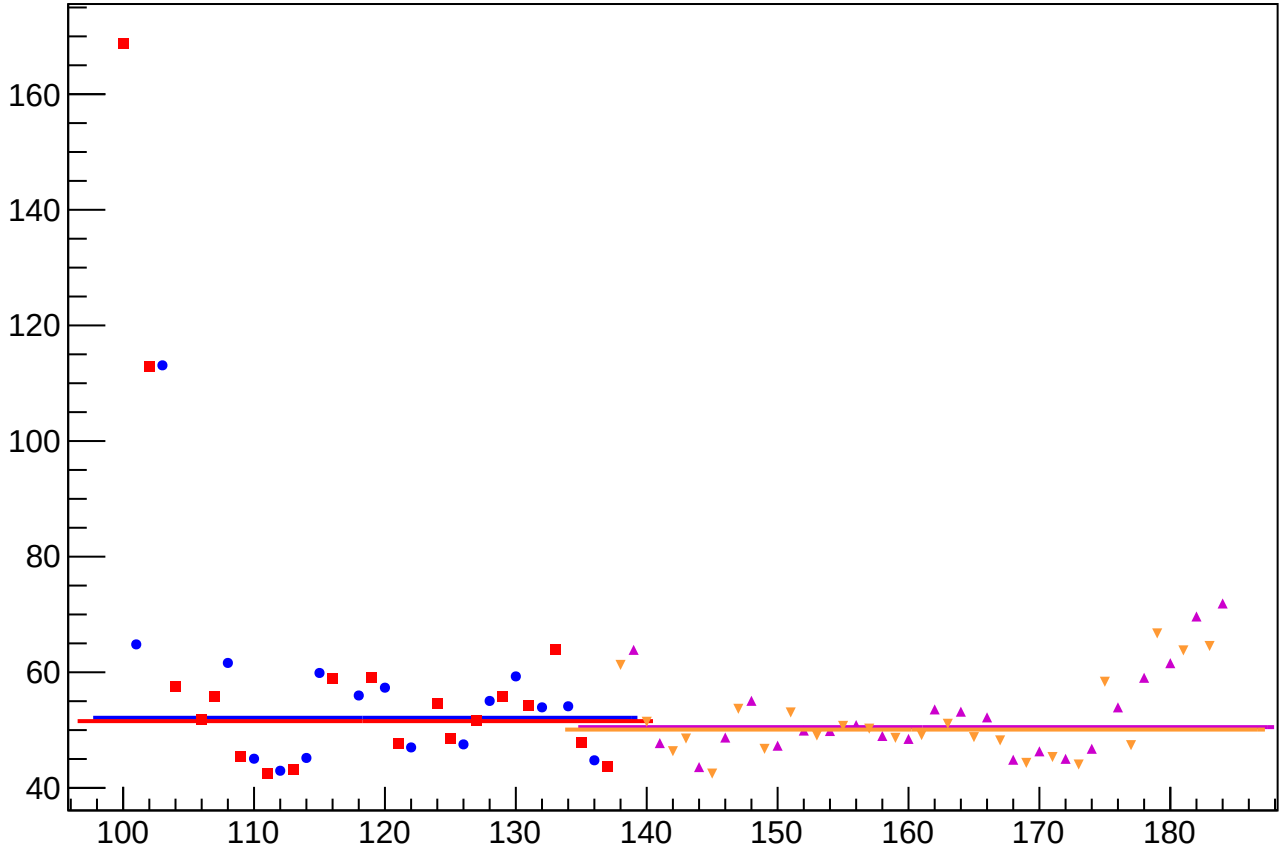
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 35.817+/-10.027 χ^2/NDF: 44.8/39

All: -6.941+/-7.148 χ^2/NDF: 147.0/81

- sign -51.128+/-10.193 χ^2/NDF: 65.2/41

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

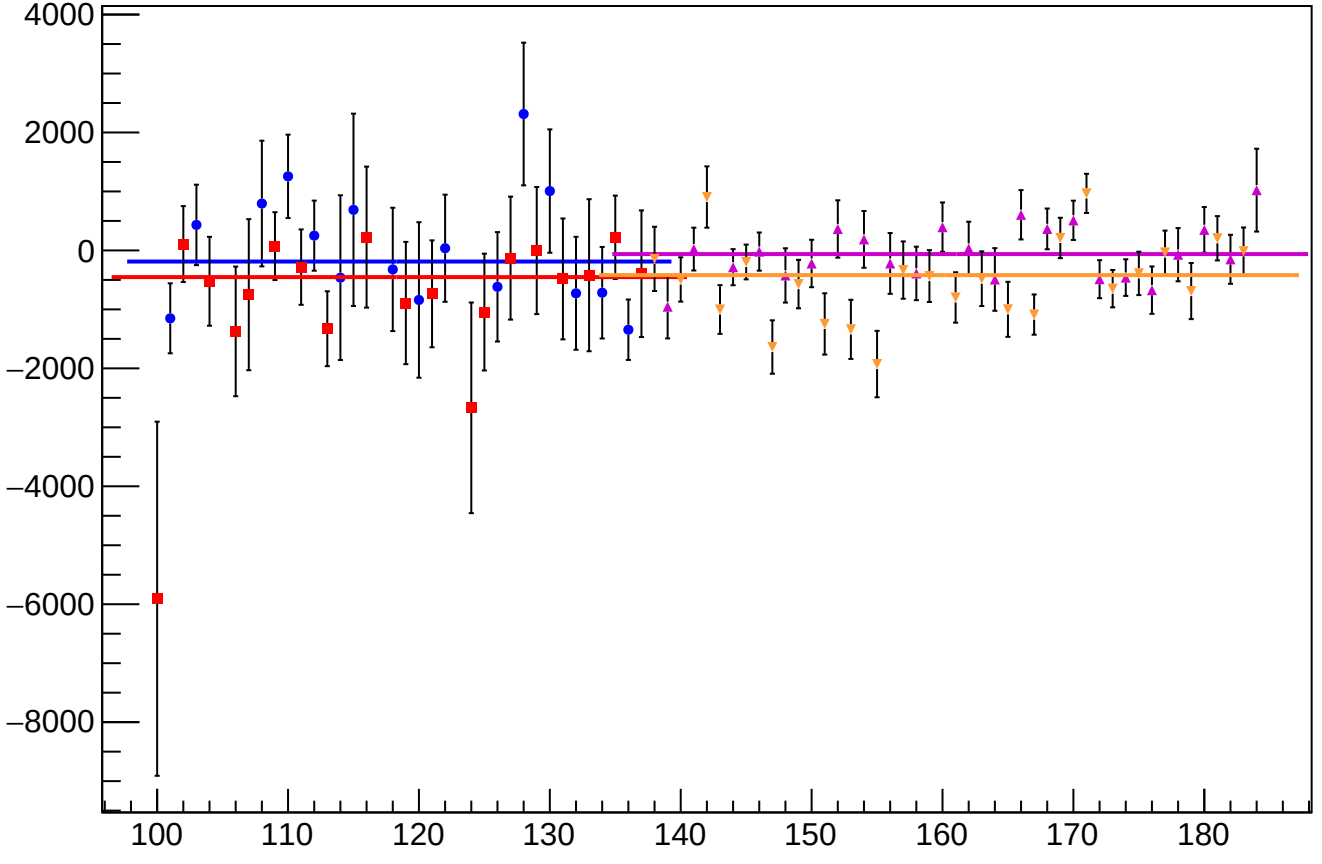
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.602+/-0.007 χ^2/NDF: 1083363.0/39

All: 50.695+/-0.005 χ^2/NDF: 2230775.8/81

- sign 50.792+/-0.007 χ^2/NDF: 1147058.6/41

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

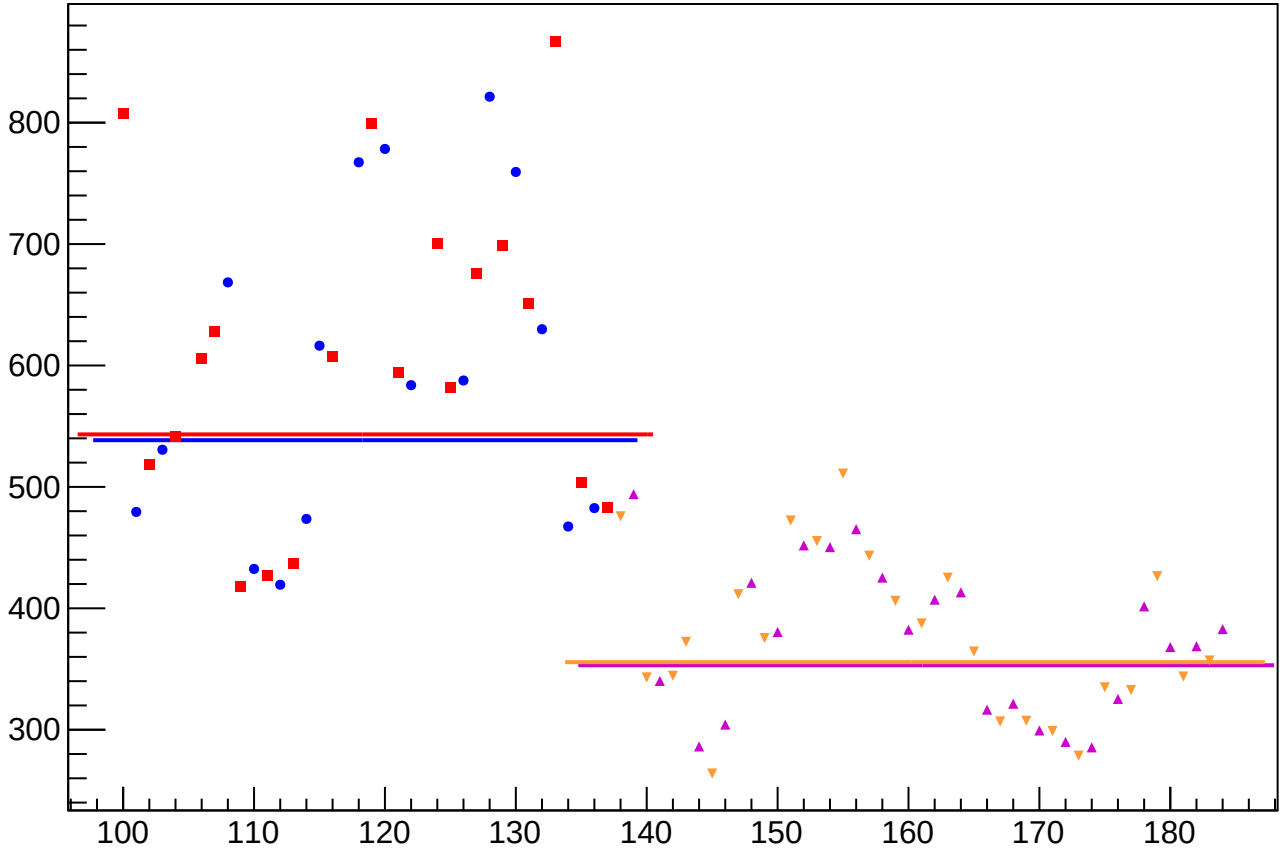
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -386.594+/-76.858 χ^2/NDF: 85.0/39

All: -253.837+/-54.602 χ^2/NDF: 129.3/81

- sign -118.564+/-77.583 χ^2/NDF: 38.4/41

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

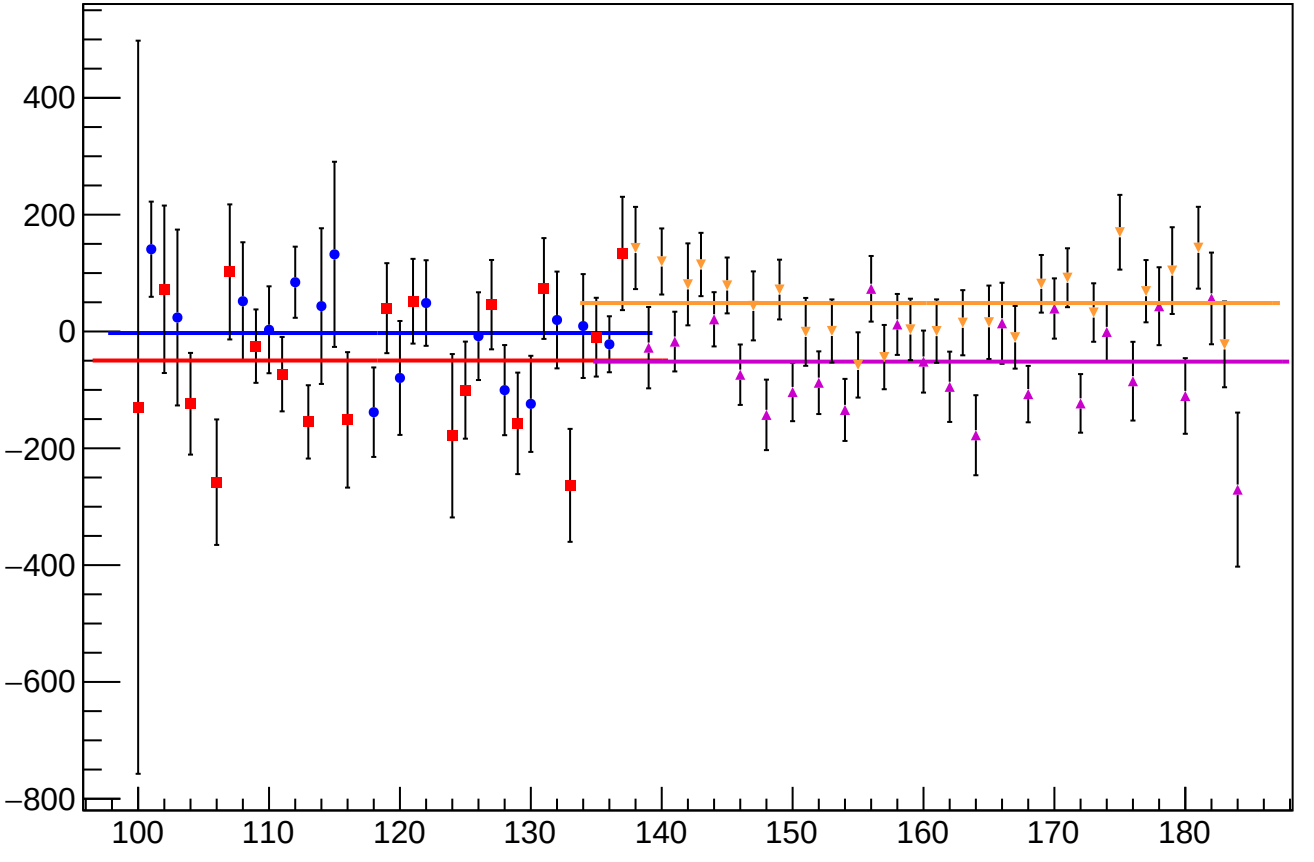
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

\+ sign 381.155+/-0.054 χ^2/NDF: 3102198.2/39

All: 380.896+/-0.039 χ^2/NDF: 6230521.8/81

\- sign 380.632+/-0.055 χ^2/NDF: 3128277.7/41

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

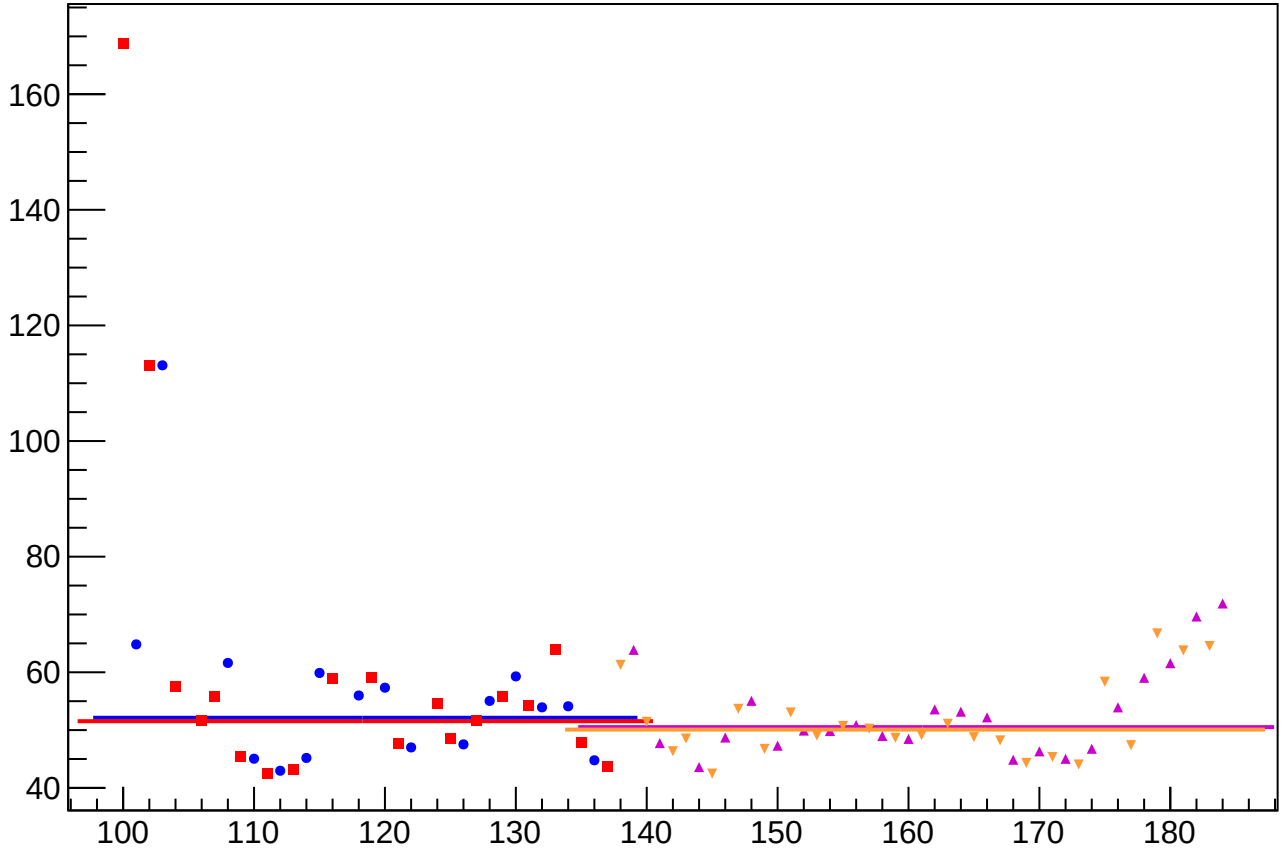
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 35.817+/-10.027 χ^2/NDF: 44.8/39

All: -6.925+/-7.148 χ^2/NDF: 146.9/81

- sign -51.097+/-10.193 χ^2/NDF: 65.1/41

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

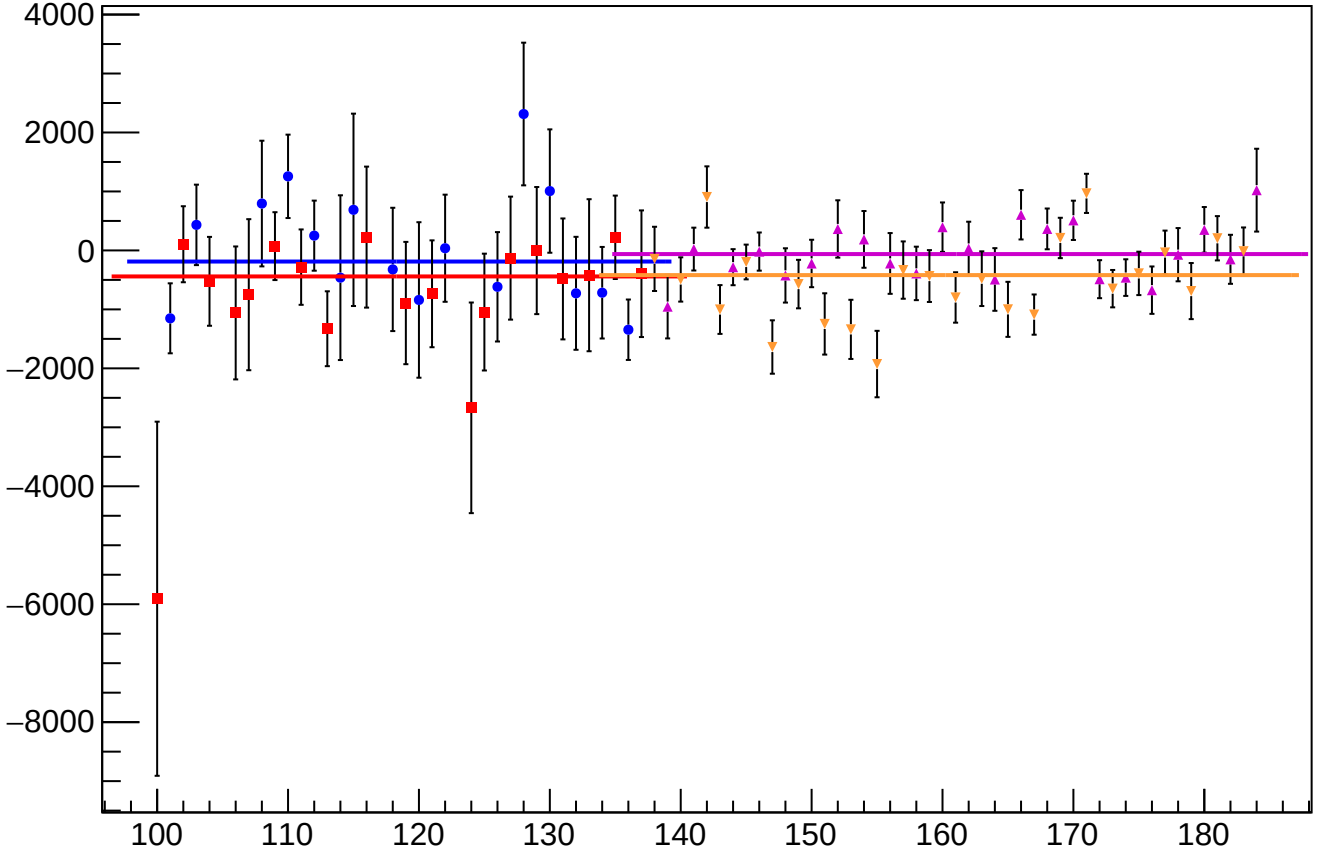
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.602+/-0.007 χ^2/NDF: 1083365.3/39

All: 50.694+/-0.005 χ^2/NDF: 2230906.8/81

- sign 50.789+/-0.007 χ^2/NDF: 1147197.6/41

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

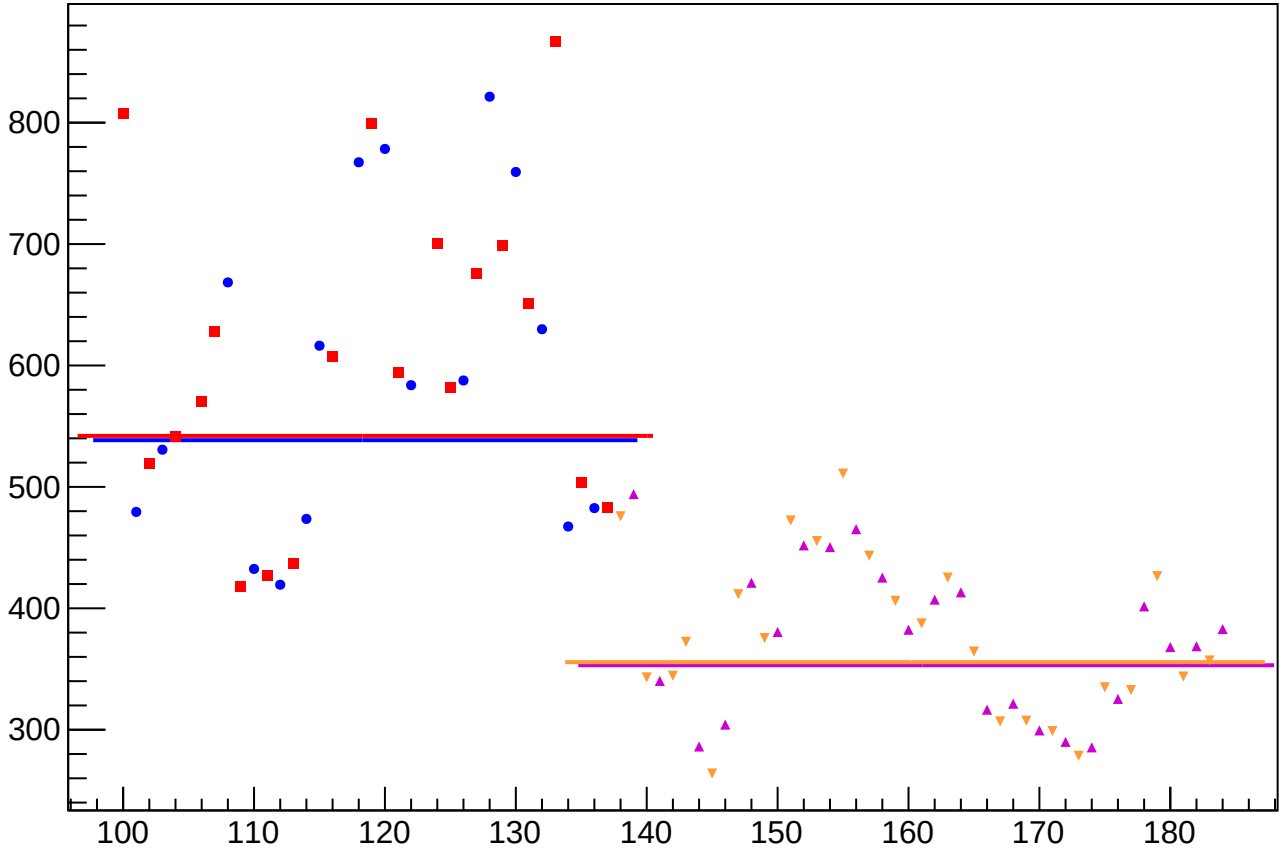
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -386.589+/-76.858 χ^2/NDF: 85.0/39

All: -252.993+/-54.605 χ^2/NDF: 128.8/81

- sign -116.829+/-77.594 χ^2/NDF: 37.8/41

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

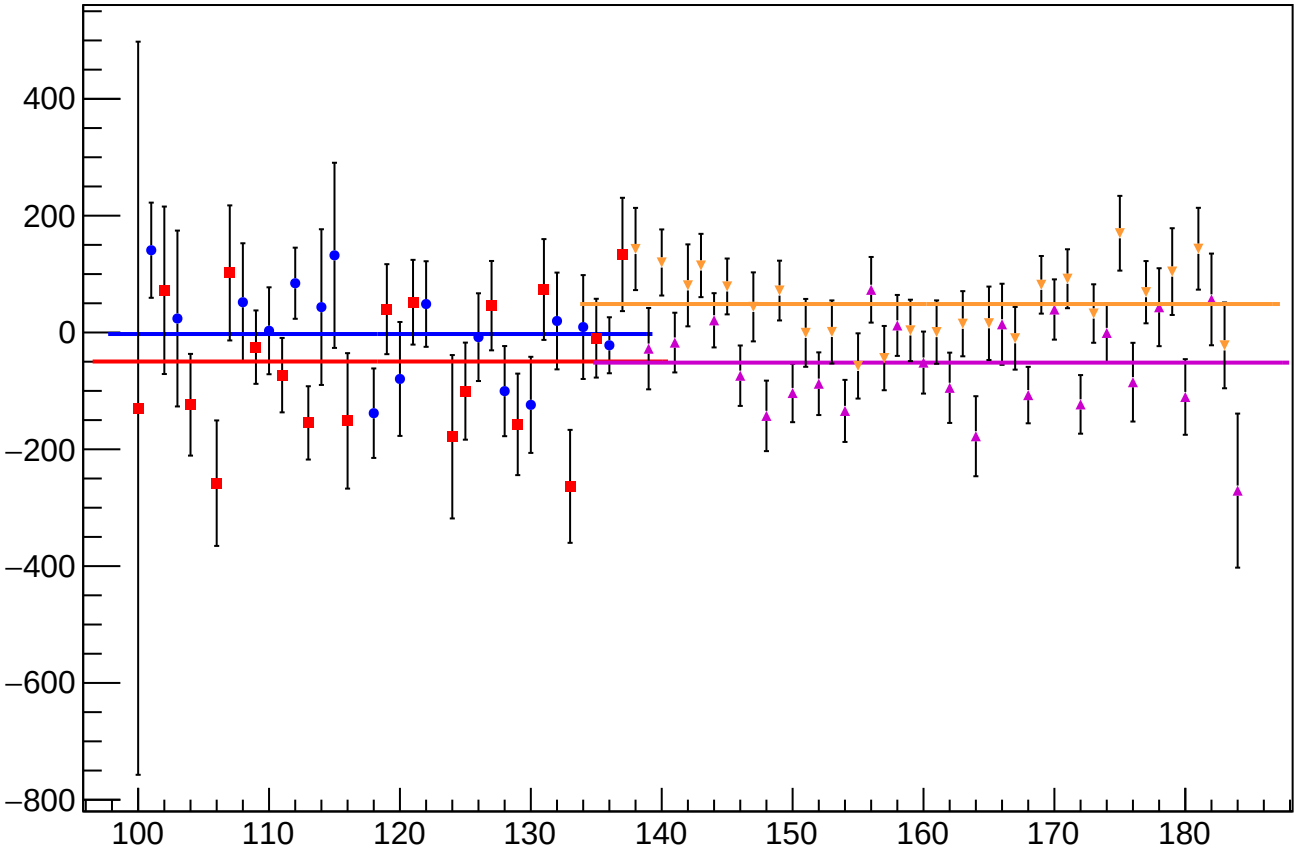
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

\+ sign 381.155+/-0.054 χ^2/NDF: 3102257.0/39

All: 380.787+/-0.039 χ^2/NDF: 6203731.0/81

\- sign 380.412+/-0.055 χ^2/NDF: 3101381.4/41

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

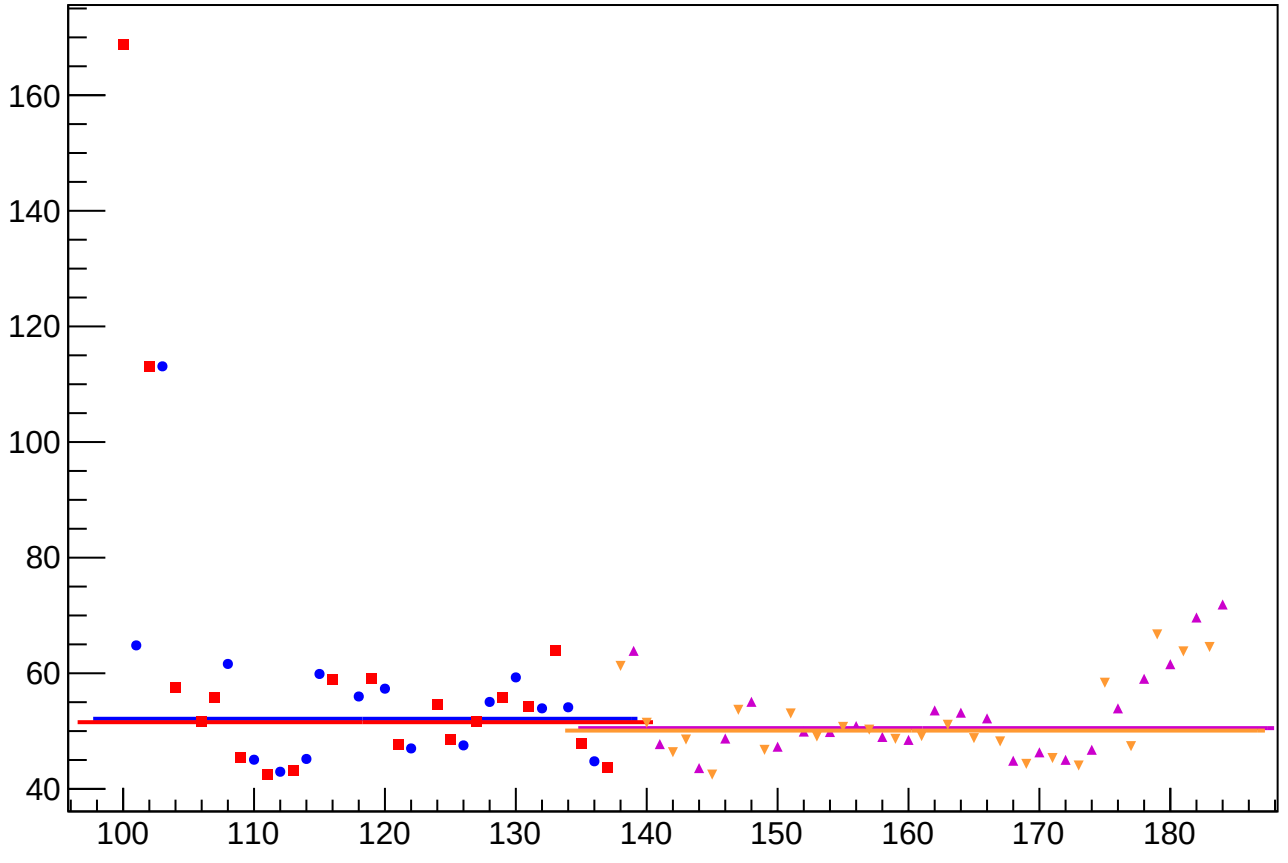
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 35.817+/-10.027 χ^2/NDF: 44.8/39

All: -6.925+/-7.148 χ^2/NDF: 146.9/81

- sign -51.097+/-10.193 χ^2/NDF: 65.1/41

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

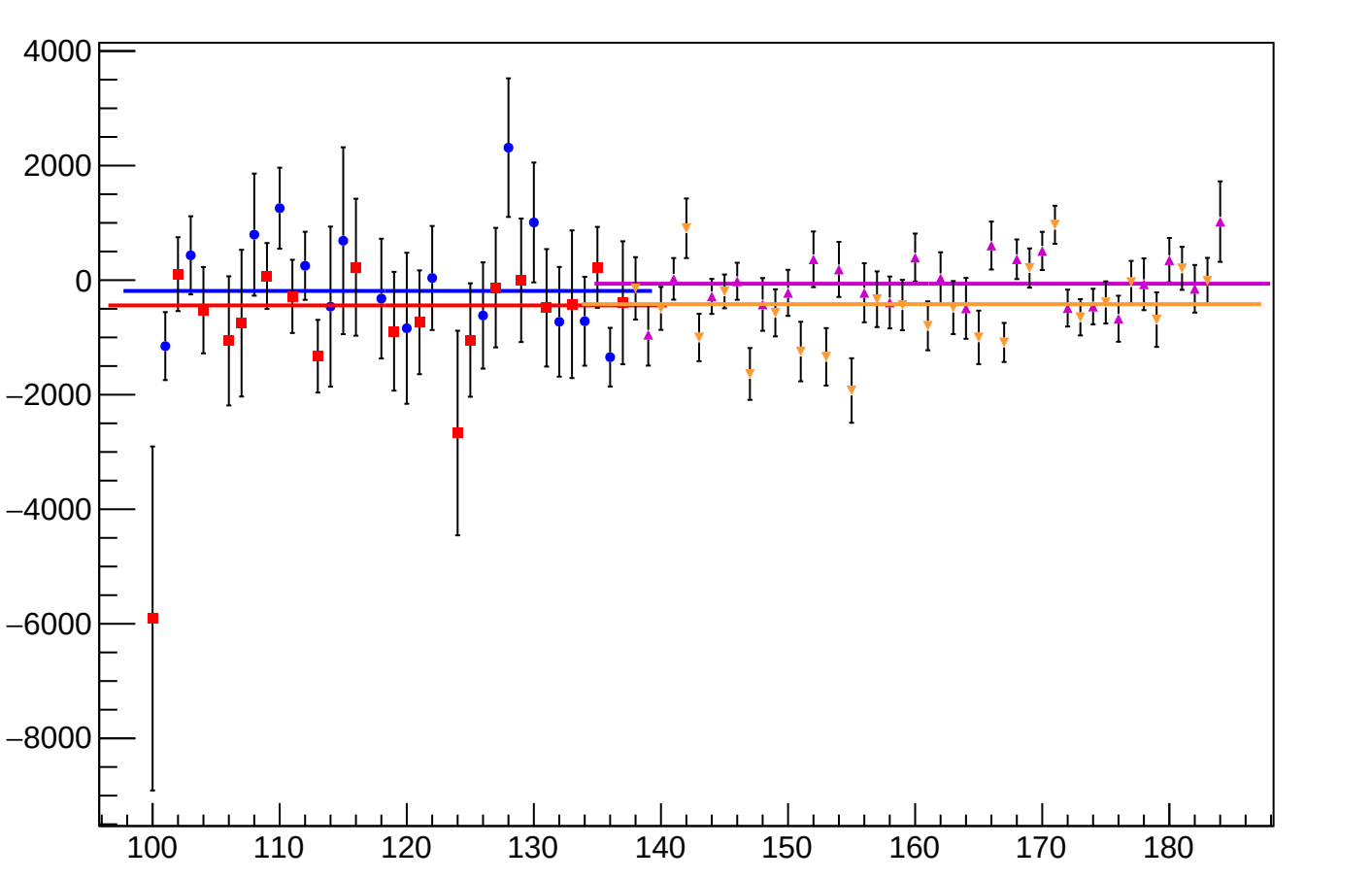
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.602+/-0.007 χ^2/NDF: 1083365.3/39

All: 50.694+/-0.005 χ^2/NDF: 2230906.8/81

- sign 50.789+/-0.007 χ^2/NDF: 1147197.6/41



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

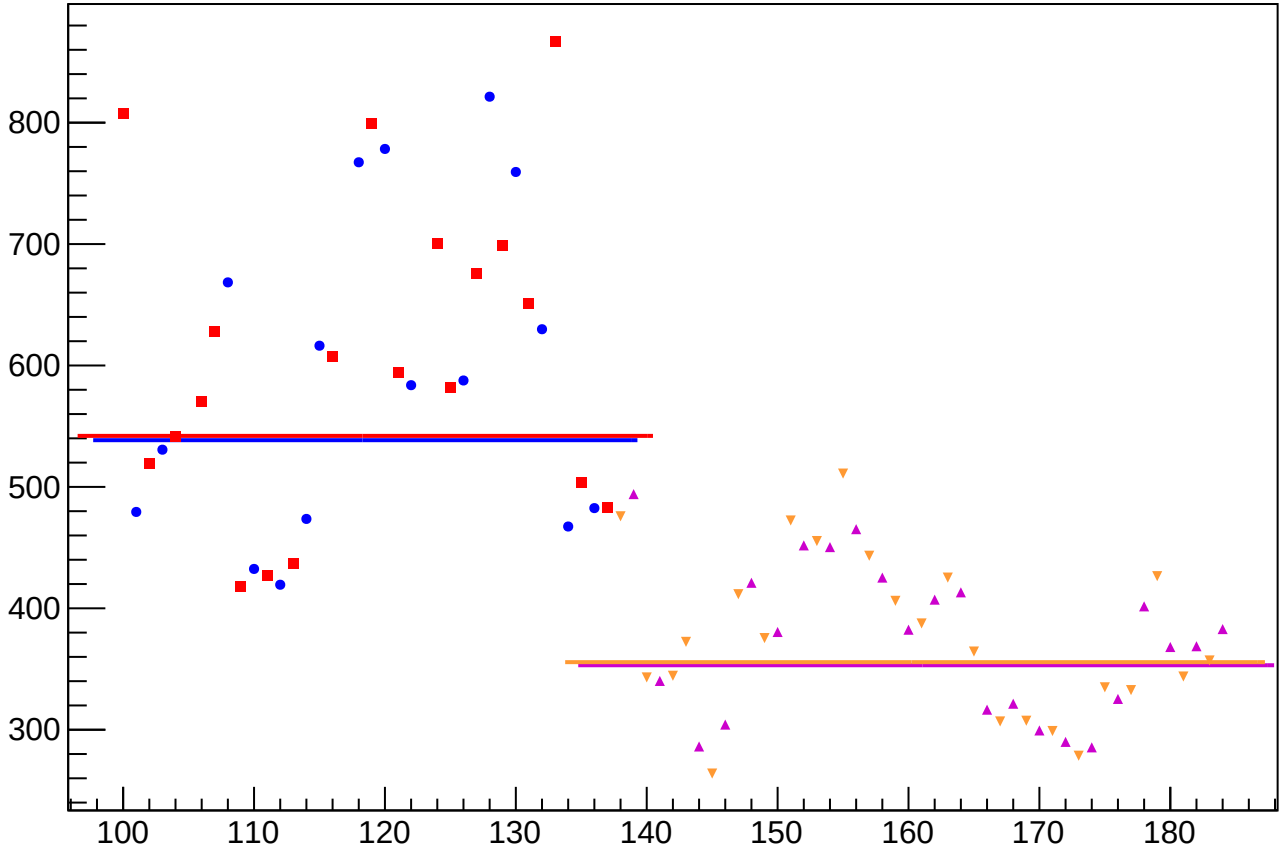
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -386.589+/-76.858 χ^2/NDF: 85.0/39

All: -252.993+/-54.605 χ^2/NDF: 128.8/81

- sign -116.829+/-77.594 χ^2/NDF: 37.8/41

asym_sam_1357_avg_eigen_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

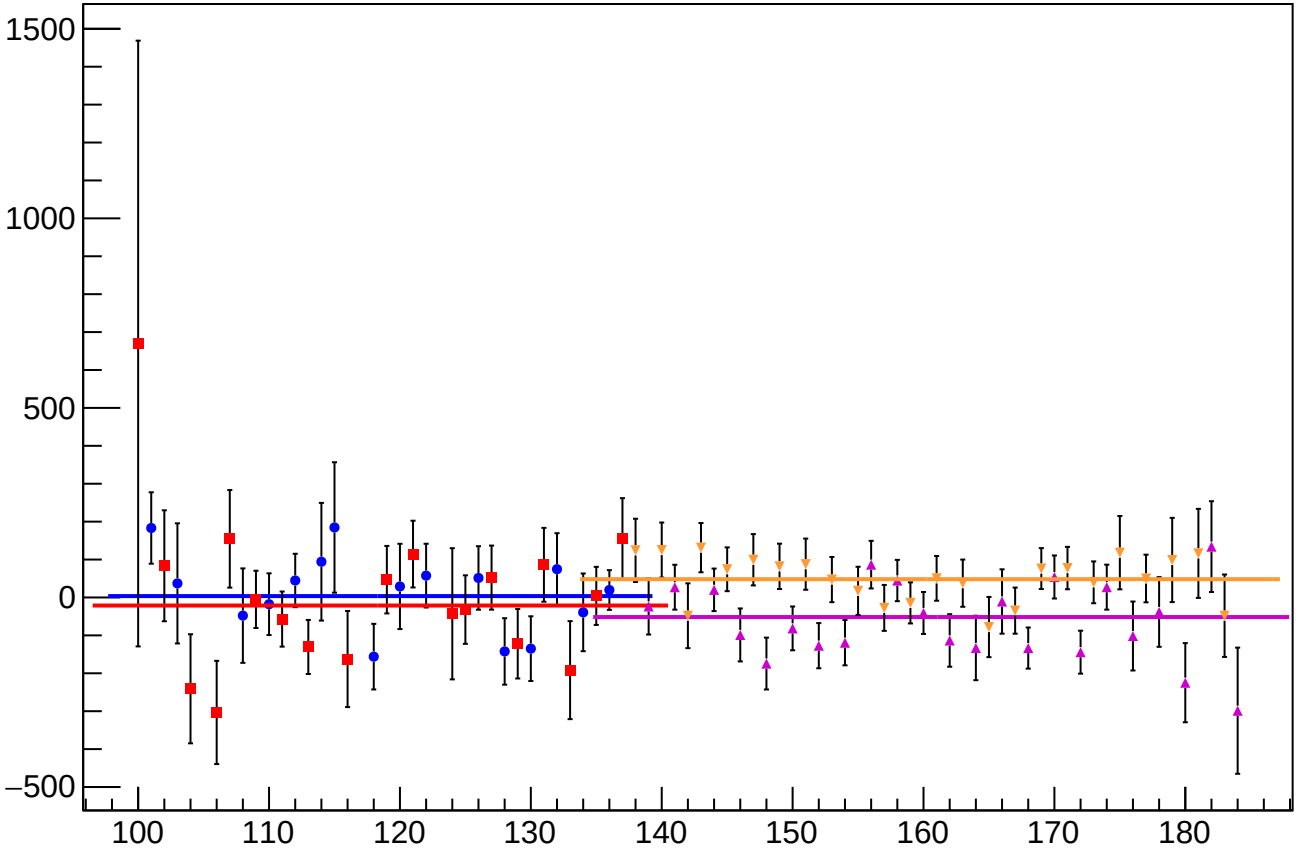
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 381.155+/-0.054 χ^2/NDF: 3102257.0/39

All: 380.787+/-0.039 χ^2/NDF: 6203731.0/81

- sign 380.412+/-0.055 χ^2/NDF: 3101381.4/41

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

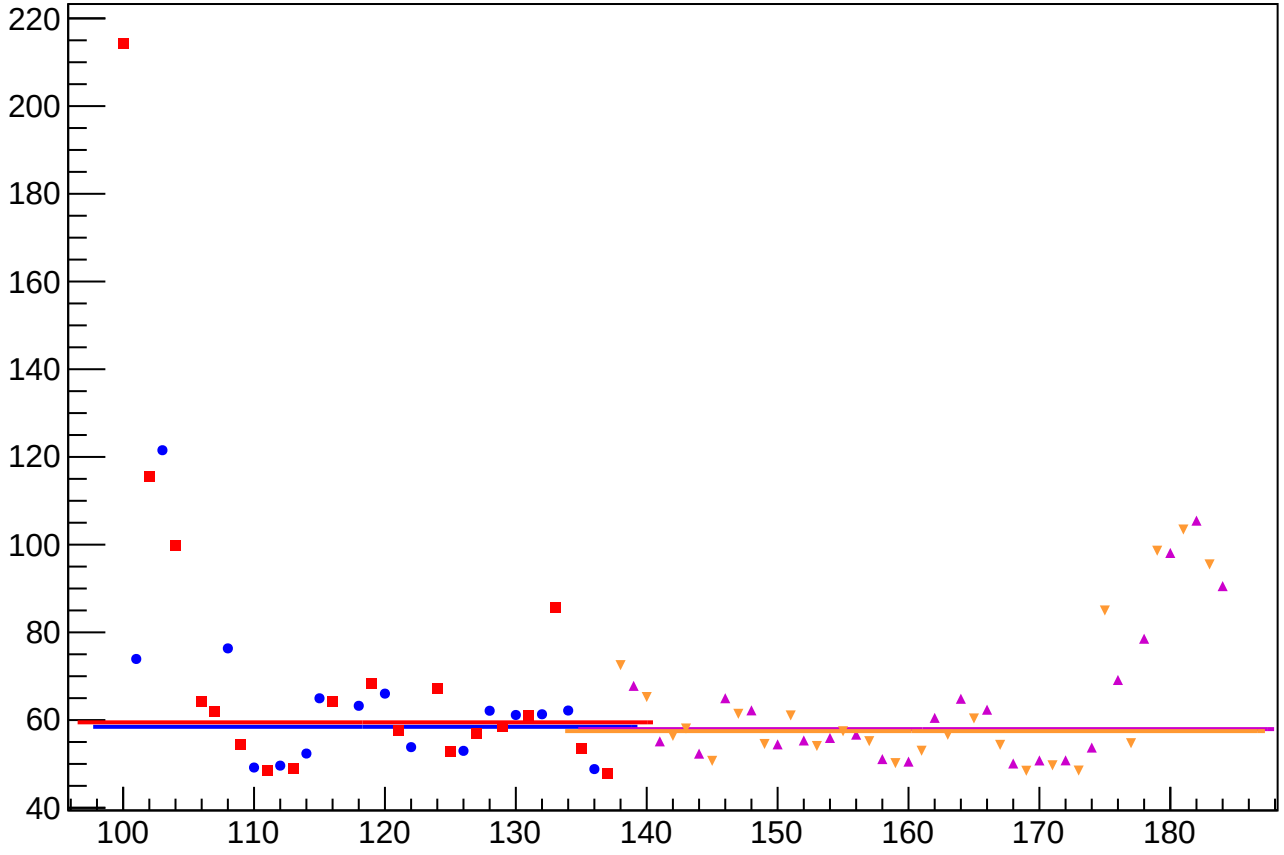
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 36.299+/-11.617 χ^2/NDF: 35.3/39

All: -2.627+/-8.307 χ^2/NDF: 122.2/81

- sign -43.369+/-11.885 χ^2/NDF: 63.9/41

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

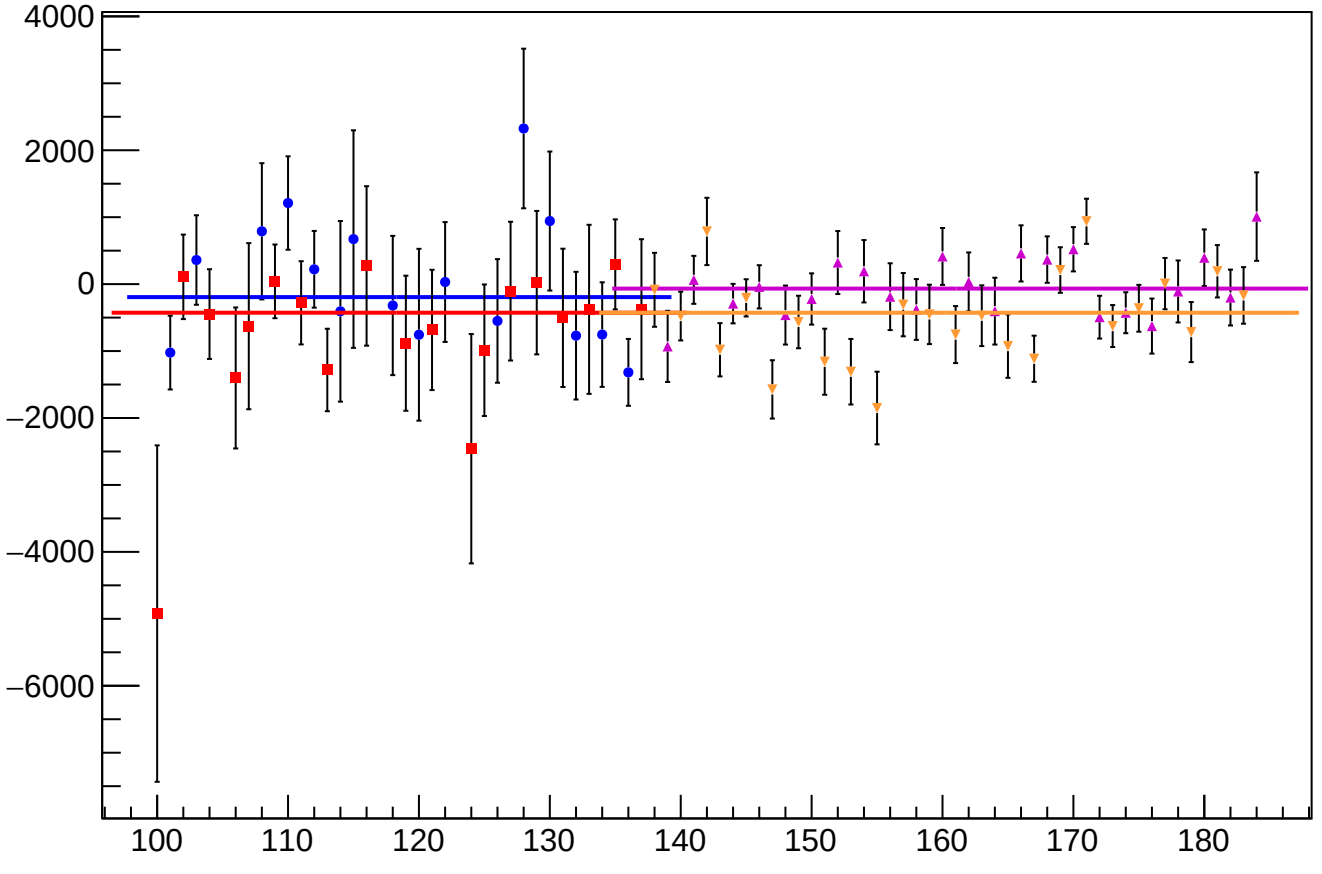
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 57.746+/-0.008 χ^2/NDF: 1923715.9/39

All: 58.047+/-0.006 χ^2/NDF: 3842542.8/81

- sign 58.361+/-0.008 χ^2/NDF: 1916094.4/41

asym_sam_1357_avg_dit_correction_mean vs Slug



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

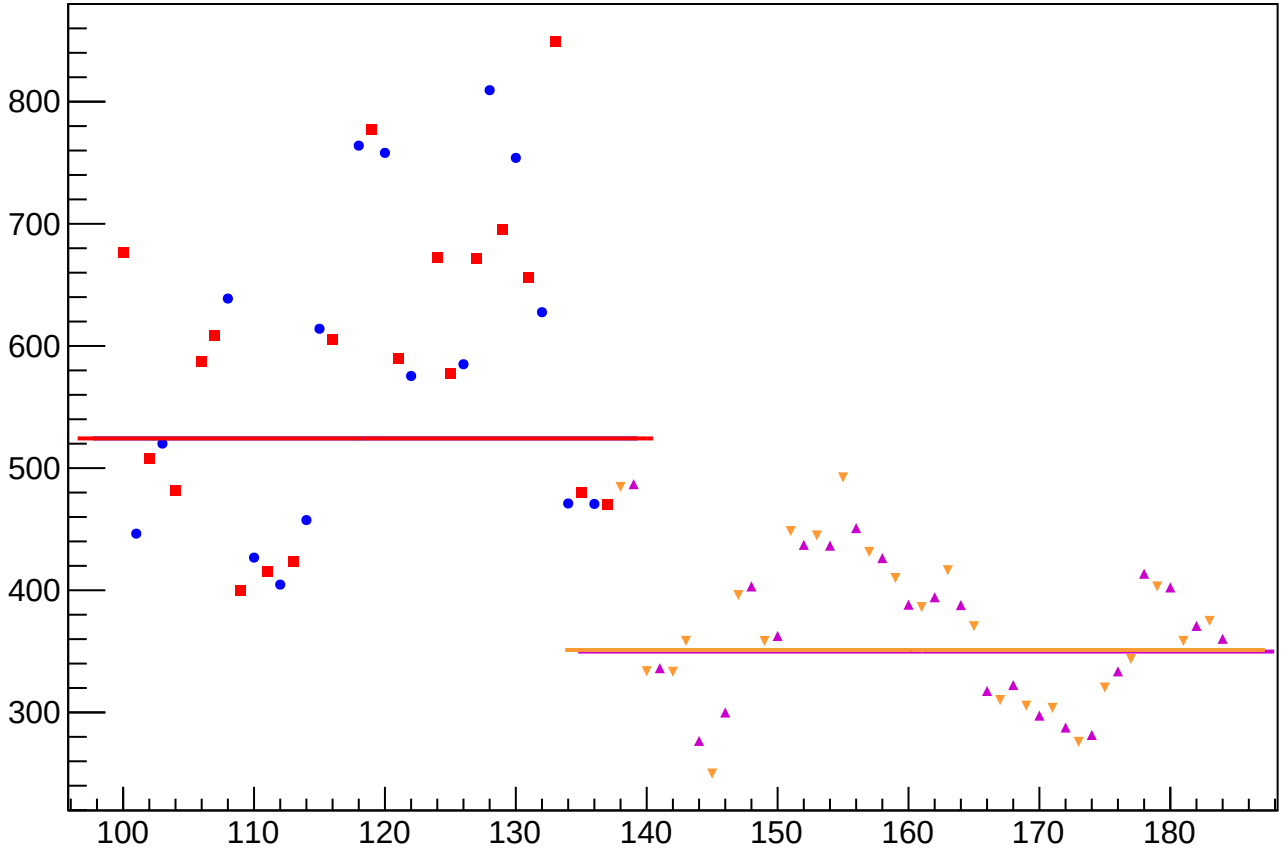
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -394.464+/-75.641 χ^2/NDF: 80.8/39

All: -259.394+/-53.806 χ^2/NDF: 124.3/81

- sign -121.047+/-76.553 χ^2/NDF: 37.0/41

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

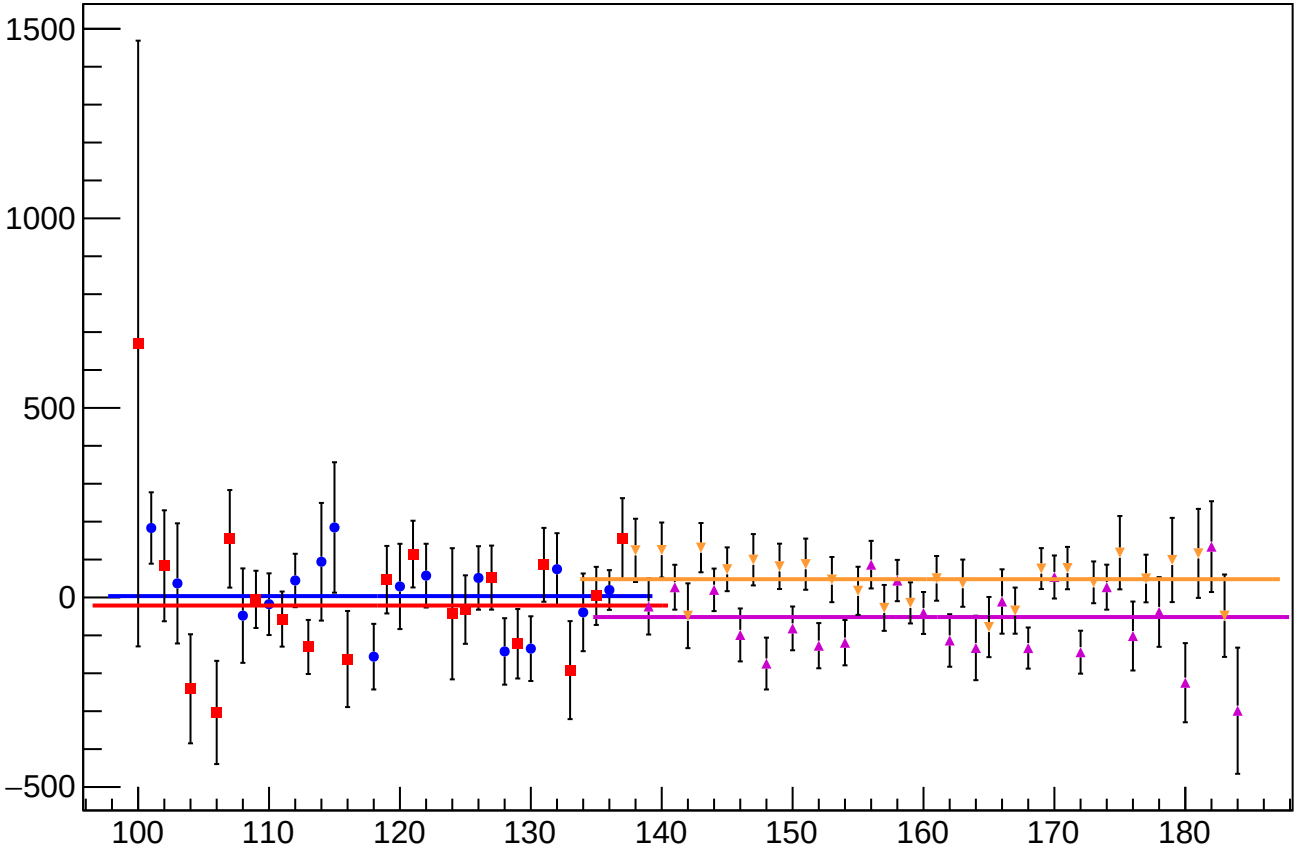
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

\+ sign 375.753+/-0.053 χ^2/NDF: 3055209.0/39

All: 375.955+/-0.038 χ^2/NDF: 6063786.2/81

\- sign 376.161+/-0.054 χ^2/NDF: 3008548.5/41

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

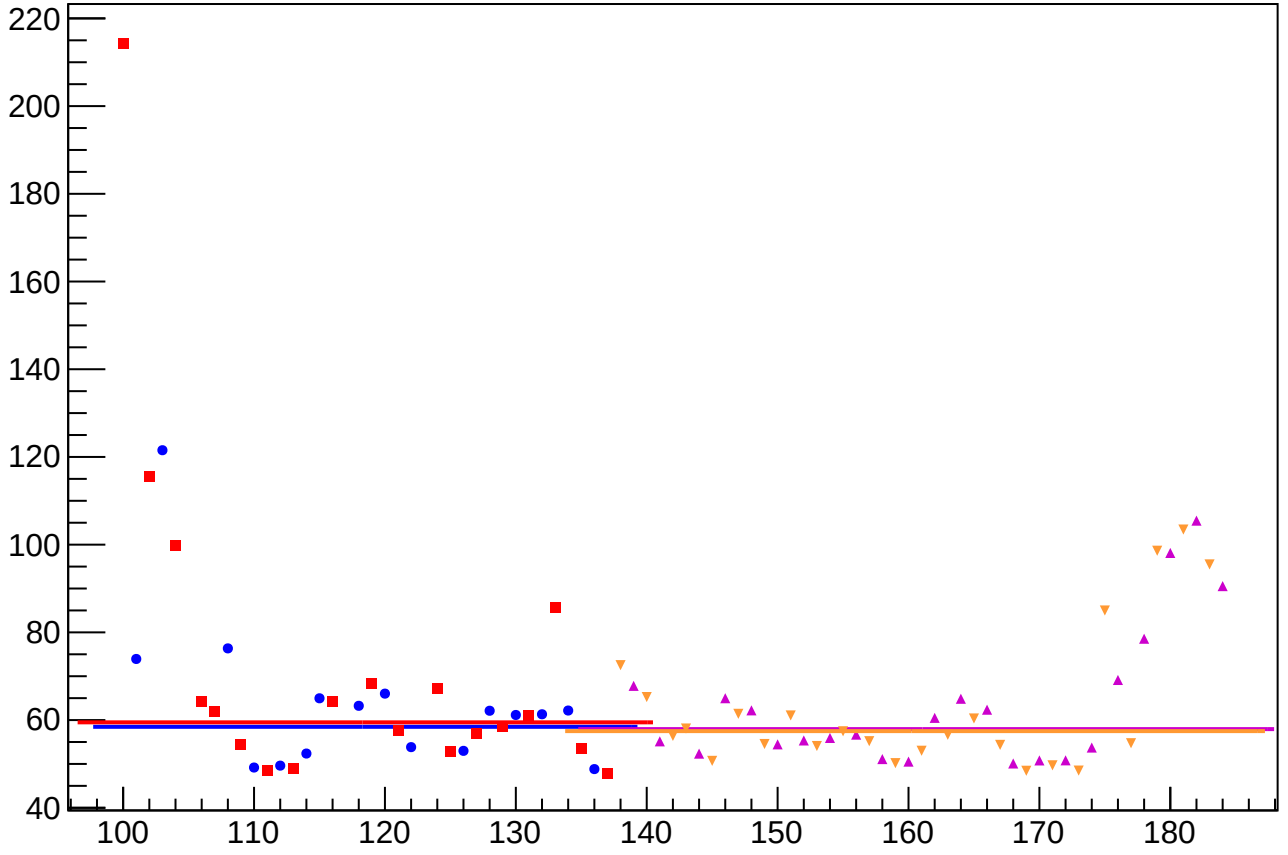
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 36.299+/-11.617 χ^2/NDF: 35.3/39

All: -2.626+/-8.307 χ^2/NDF: 122.2/81

- sign -43.368+/-11.885 χ^2/NDF: 63.9/41

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

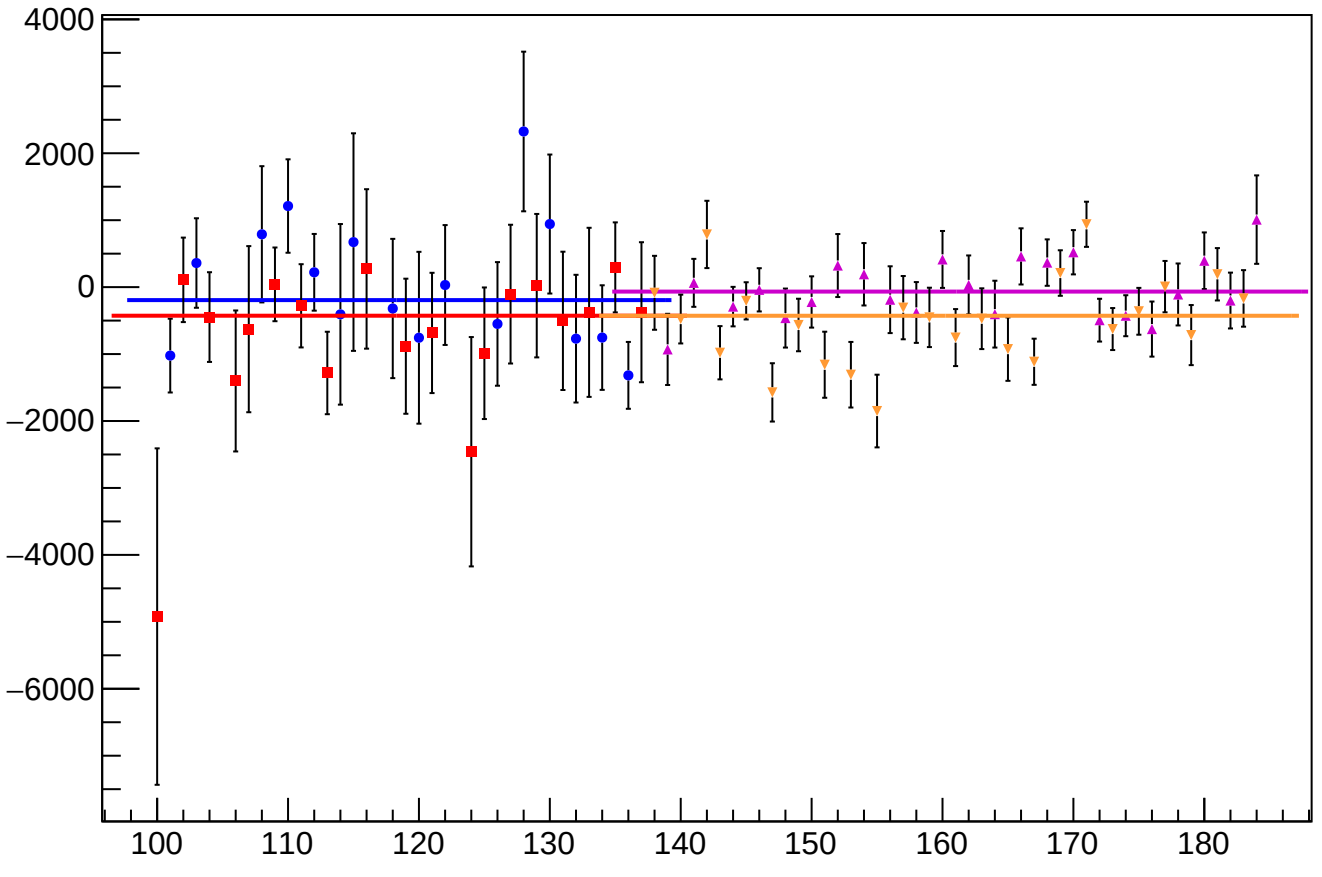
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 57.747+/-0.008 χ^2/NDF: 1923707.6/39

All: 58.047+/-0.006 χ^2/NDF: 3842521.4/81

- sign 58.361+/-0.008 χ^2/NDF: 1916081.0/41



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -427.706+/-81.669 χ^2/NDF:58.9/23

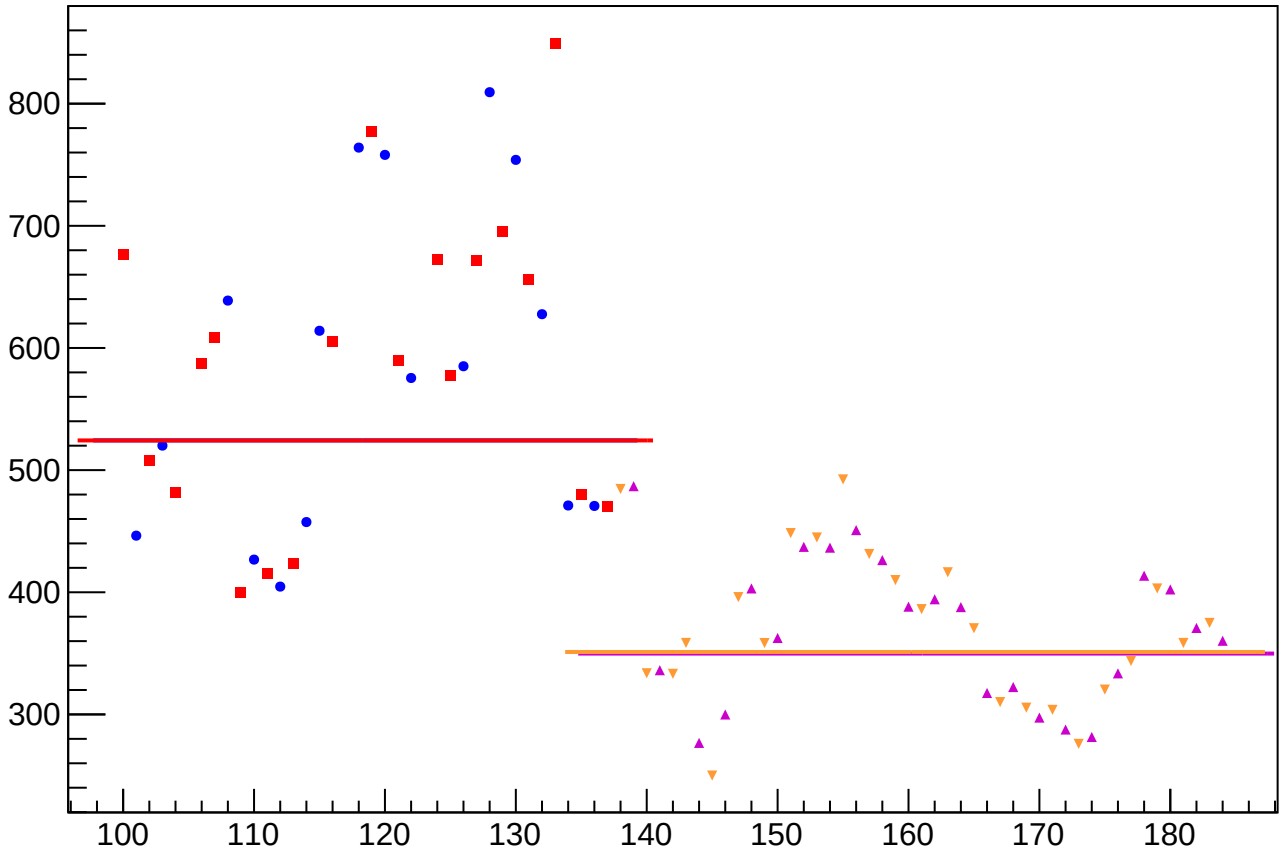
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -394.464+/-75.640 χ^2/NDF: 80.8/39

All: -259.394+/-53.805 χ^2/NDF: 124.3/81

- sign -121.047+/-76.553 χ^2/NDF: 37.0/41



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

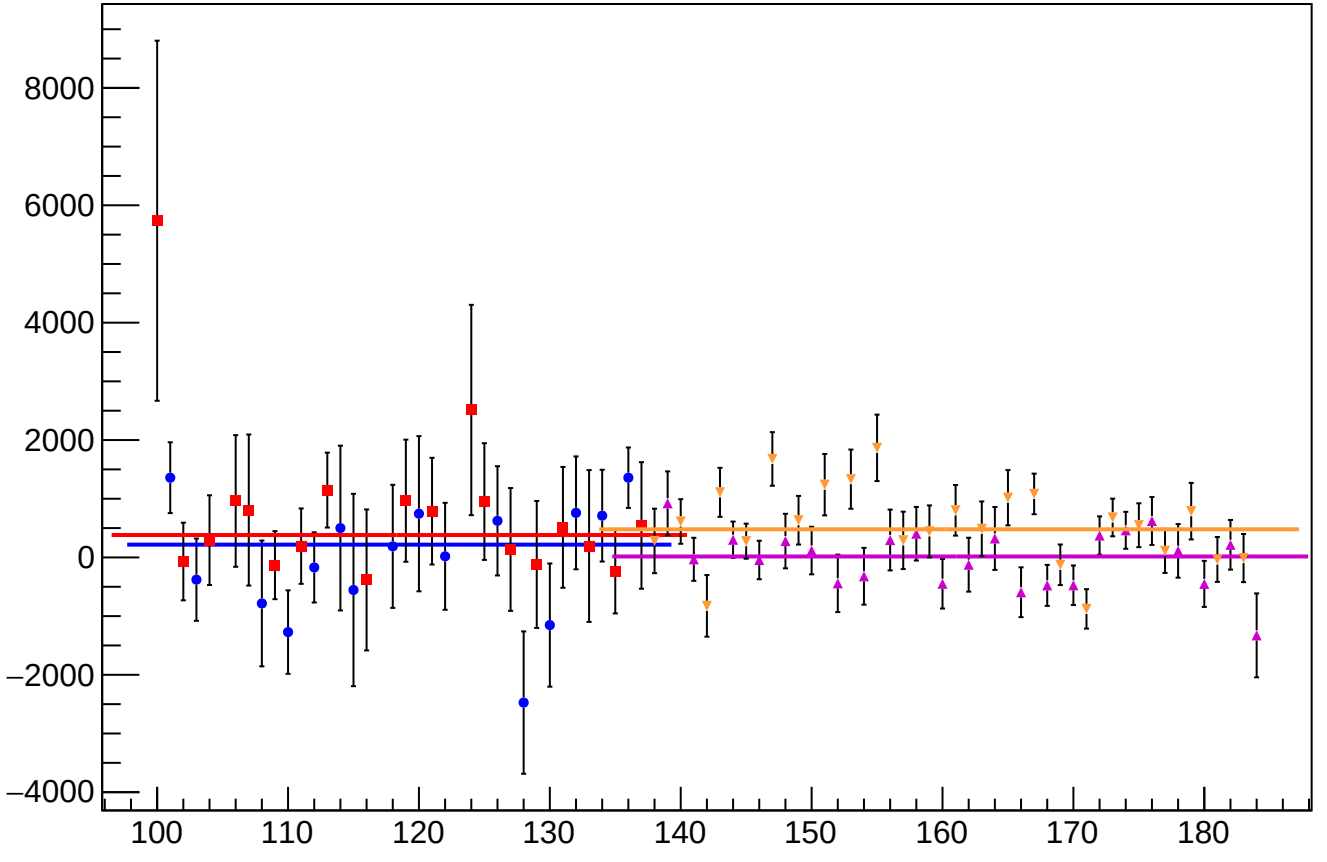
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 375.753+/-0.053 χ^2/NDF: 3055203.1/39

All: 375.954+/-0.038 χ^2/NDF: 6063767.3/81

- sign 376.161+/-0.054 χ^2/NDF: 3008535.5/41

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

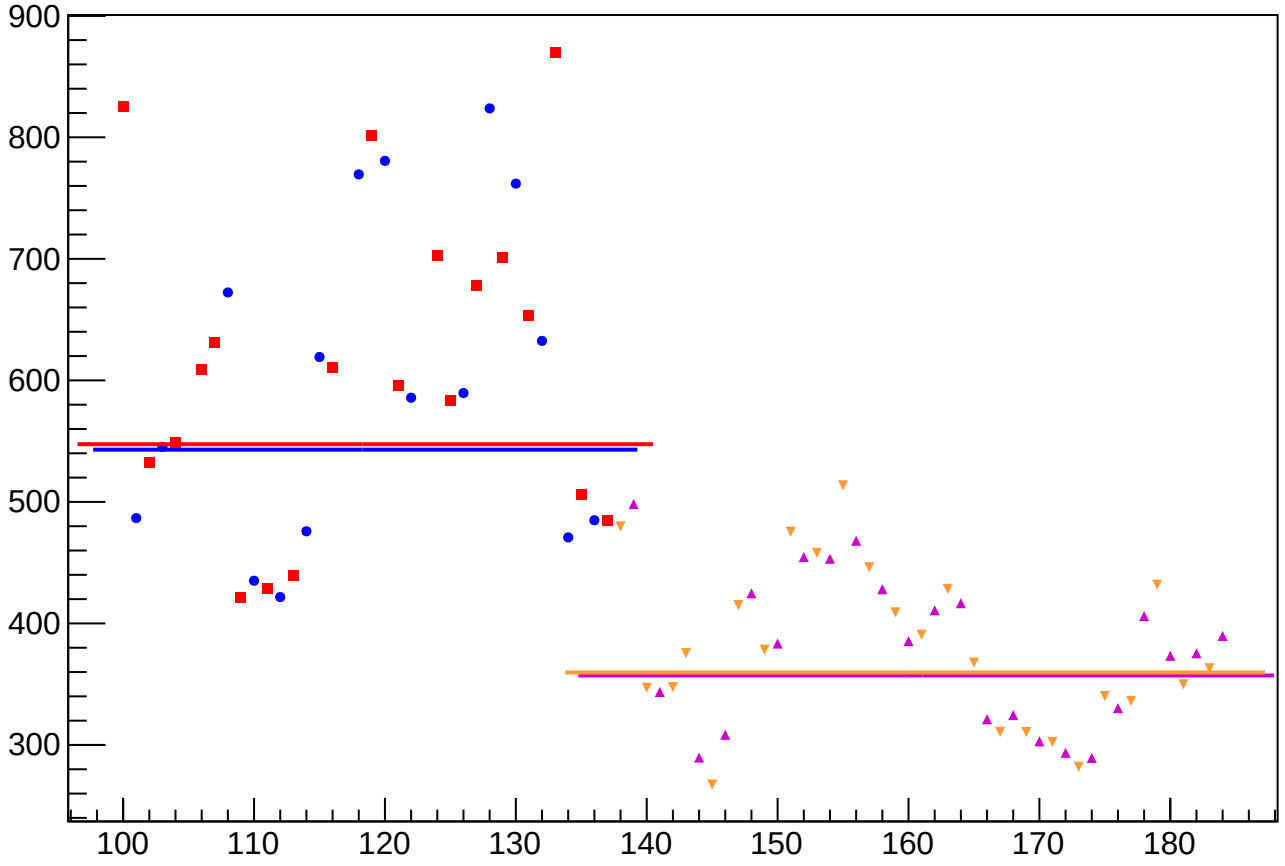
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 442.329+/-77.668 χ^2/NDF: 80.9/39

All: 257.599+/-55.182 χ^2/NDF: 129.8/81

- sign 69.288+/-78.417 χ^2/NDF: 37.5/41

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

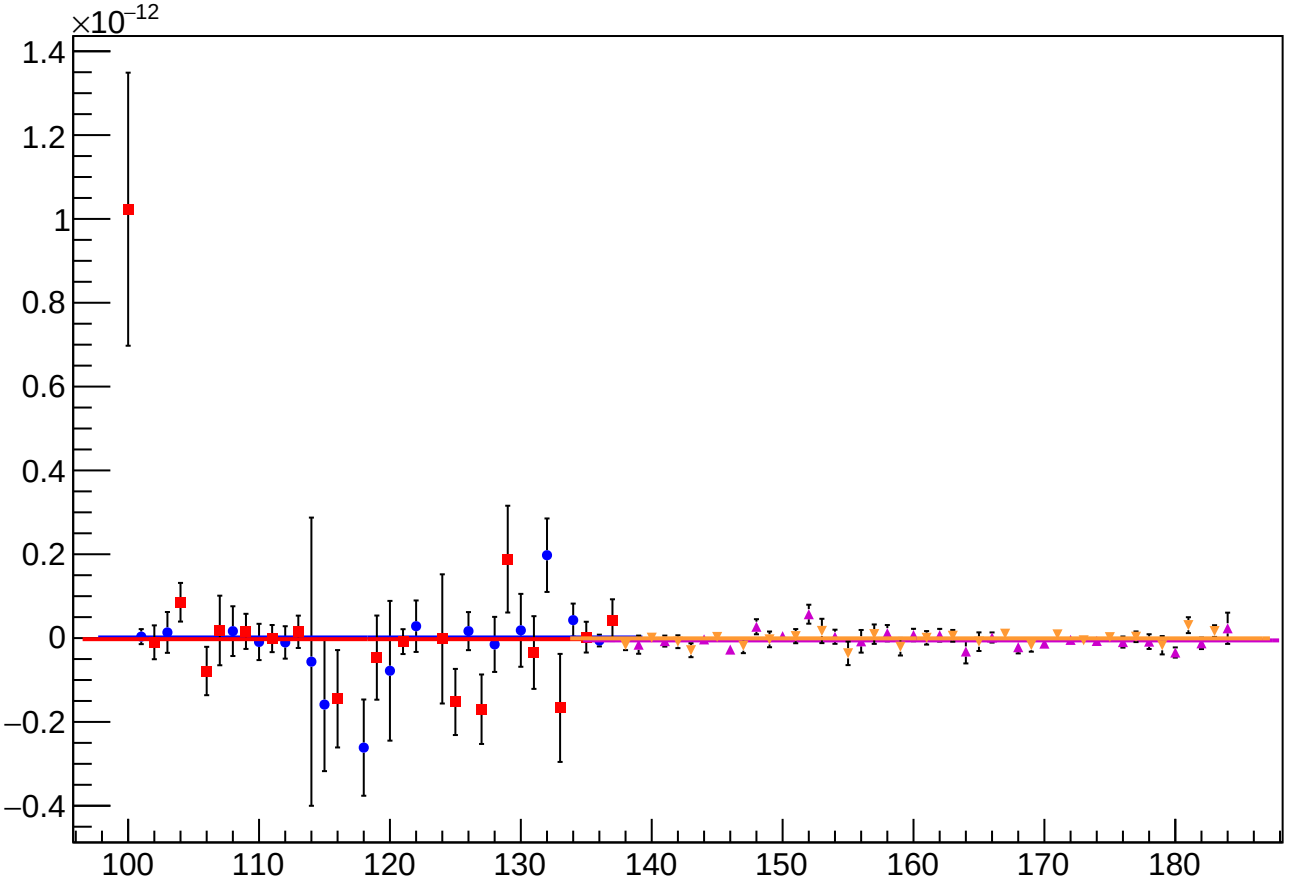
Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 385.363+/-0.055 χ^2/NDF: 3052145.2/39

All: 385.117+/-0.039 χ^2/NDF: 6128175.5/81

- sign 384.867+/-0.055 χ^2/NDF: 3075989.9/41

asym_sam_1357_avg_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:17.3/23

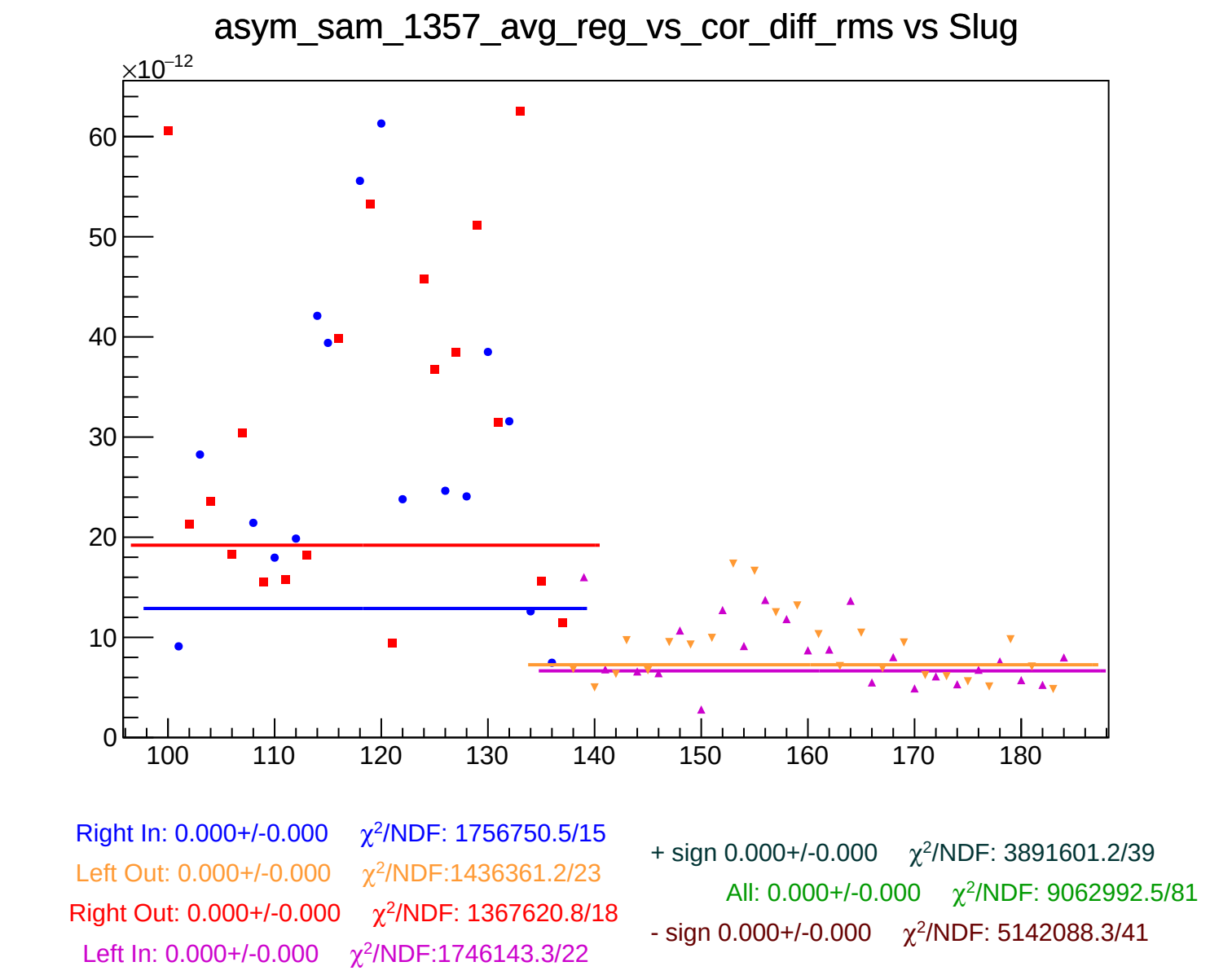
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

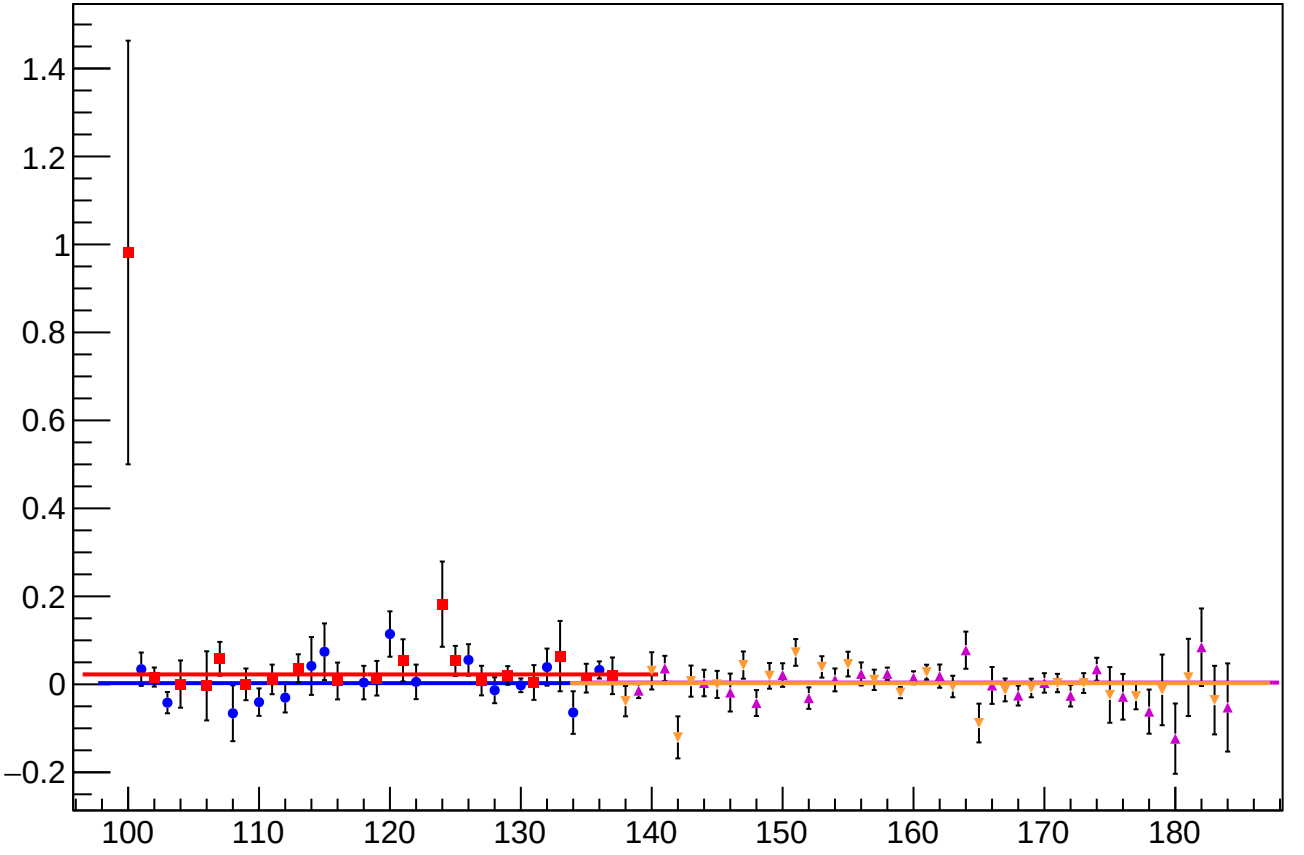
+ sign -0.000+/-0.000 χ^2/NDF: 31.0/39

All: -0.000+/-0.000 χ^2/NDF: 91.2/81

- sign -0.000+/-0.000 χ^2/NDF: 58.7/41


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:1746143.3/22
+ sign 0.000+/-0.000 χ²/NDF: 3891601.2/39
All: 0.000+/-0.000 χ²/NDF: 9062992.5/81
- sign 0.000+/-0.000 χ²/NDF: 5142088.3/41

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

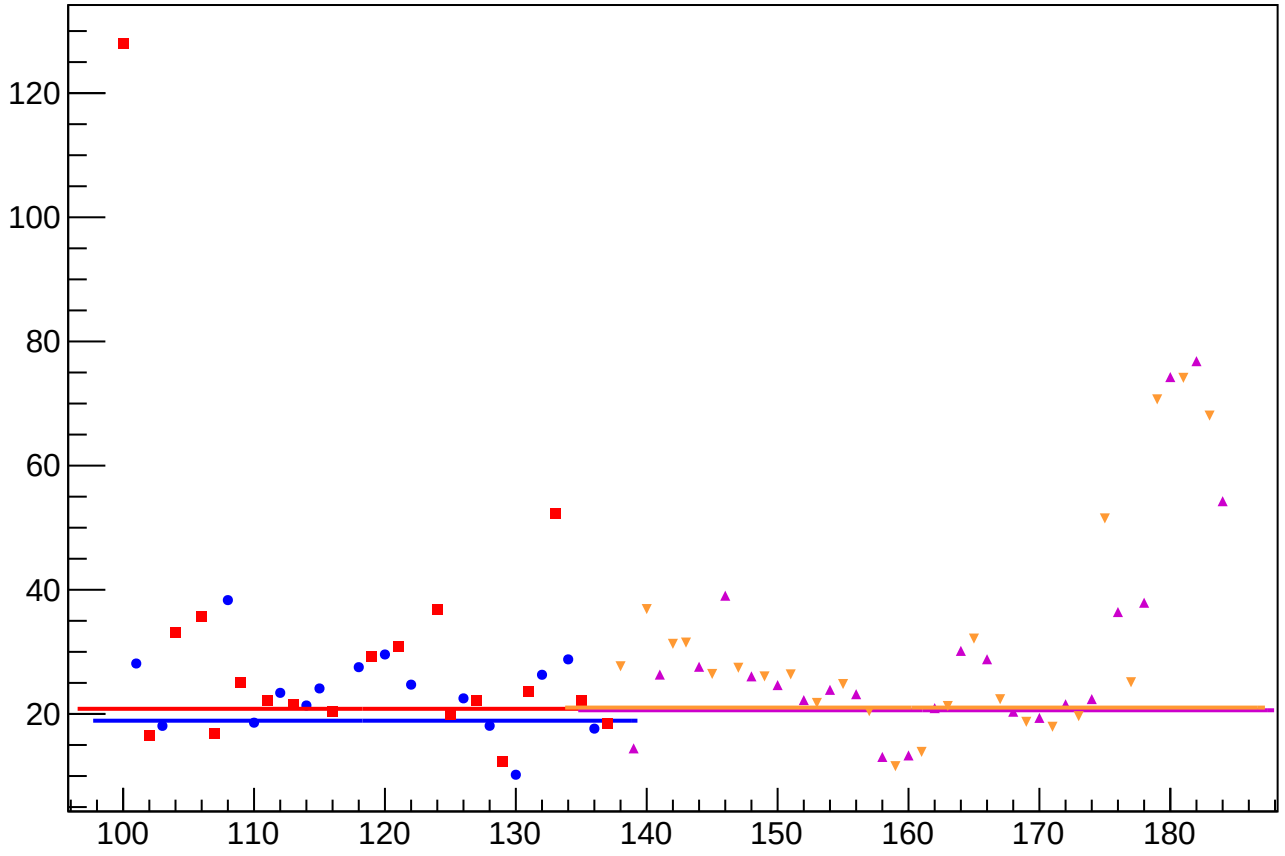
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.1/39

All: 0.006+/-0.003 χ^2/NDF: 94.0/81

- sign 0.009+/-0.005 χ^2/NDF: 38.8/41

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

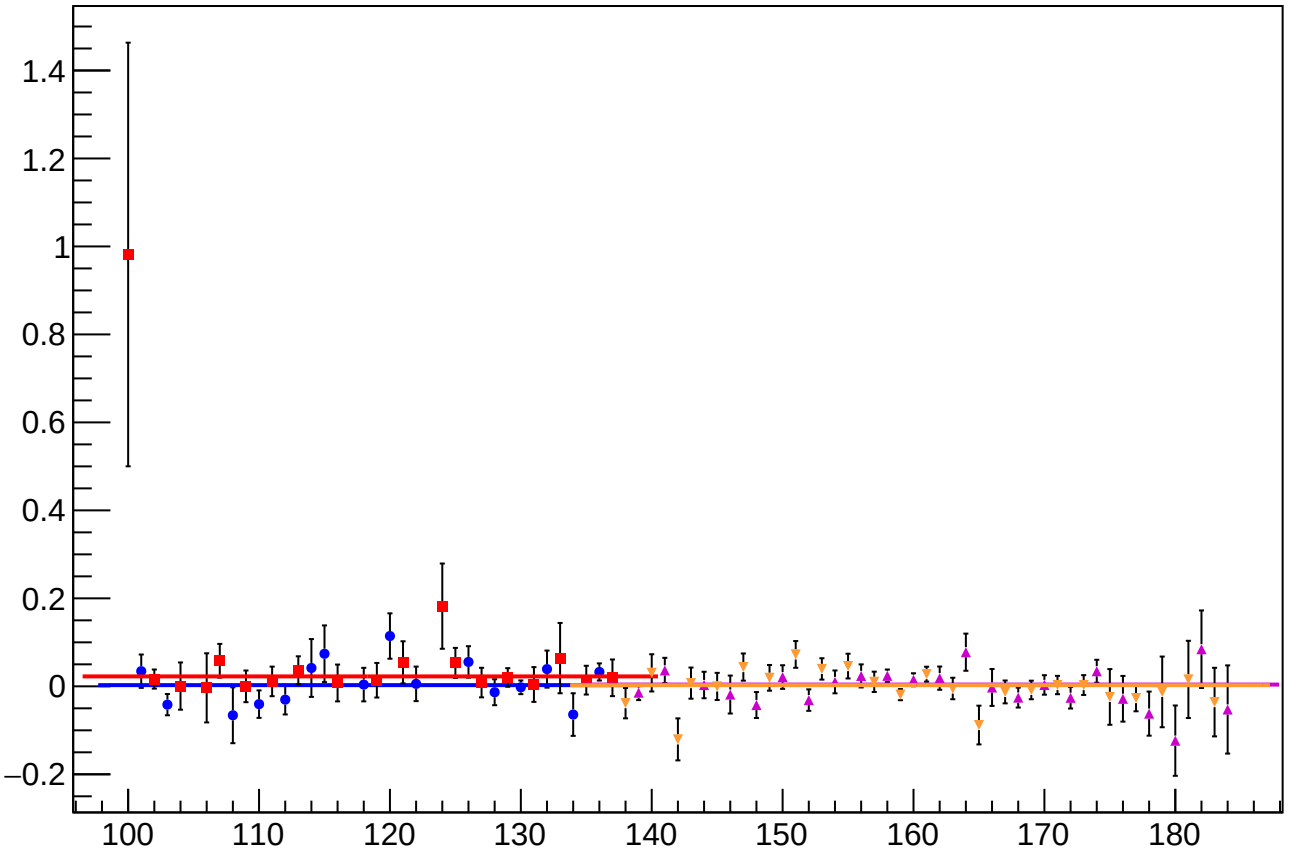
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.330+/-0.003 χ^2/NDF: 6821821.8/39

All: 20.492+/-0.002 χ^2/NDF: 12719272.9/81

- sign 20.660+/-0.003 χ^2/NDF: 5892128.8/41



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.2/23

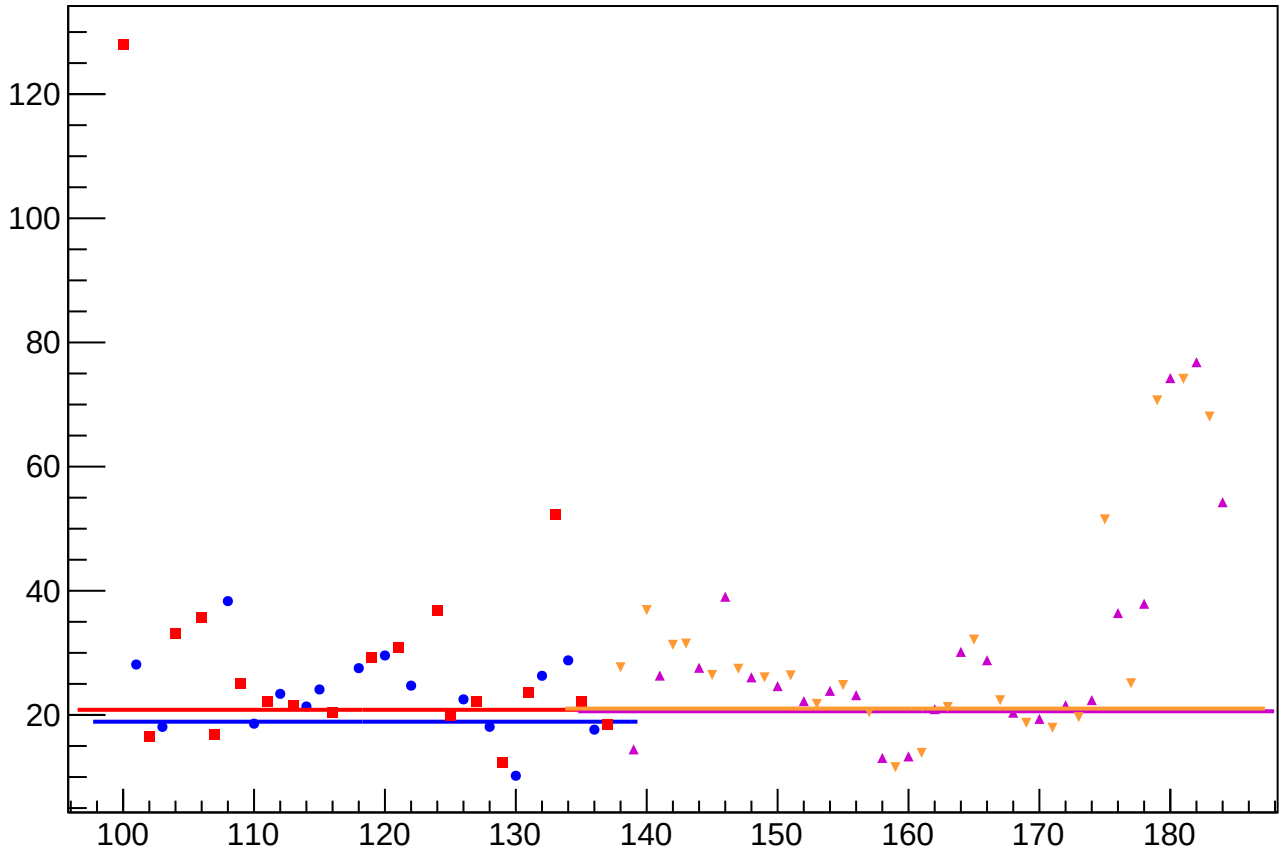
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.1/39

All: 0.006+/-0.003 χ^2/NDF: 94.0/81

- sign 0.009+/-0.005 χ^2/NDF: 38.8/41



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 21.025+/-0.004 χ^2/NDF:5333005.9/23

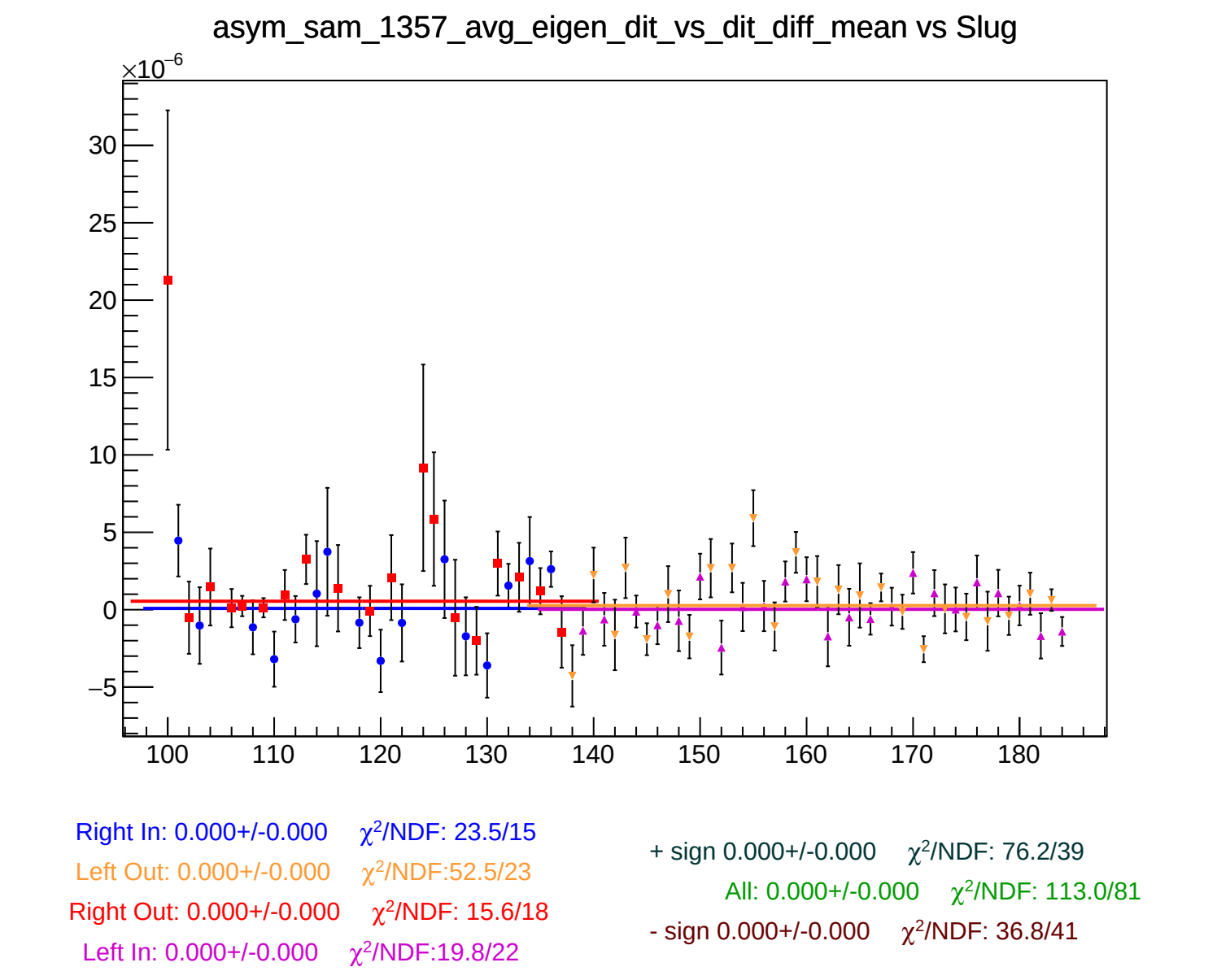
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

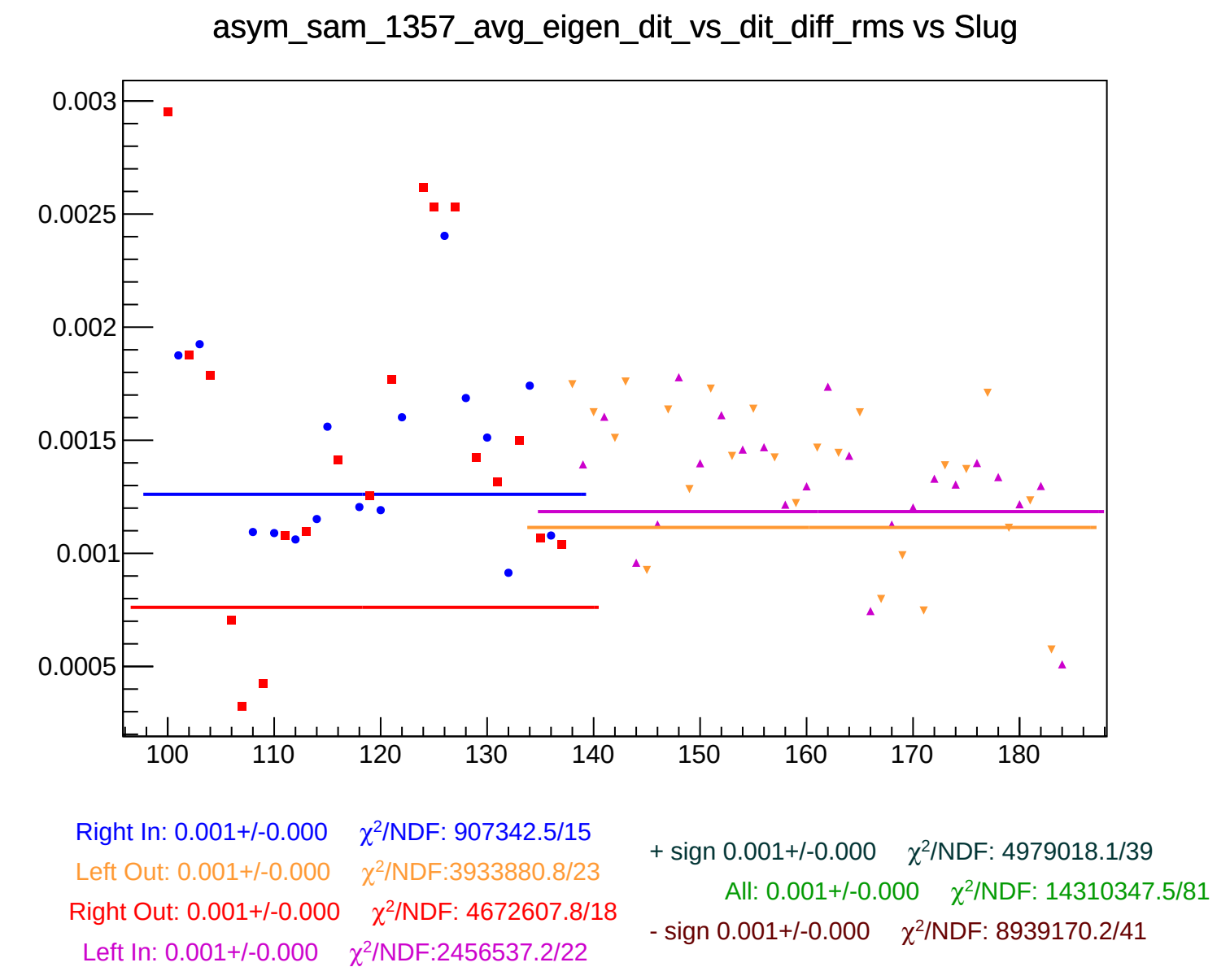
Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

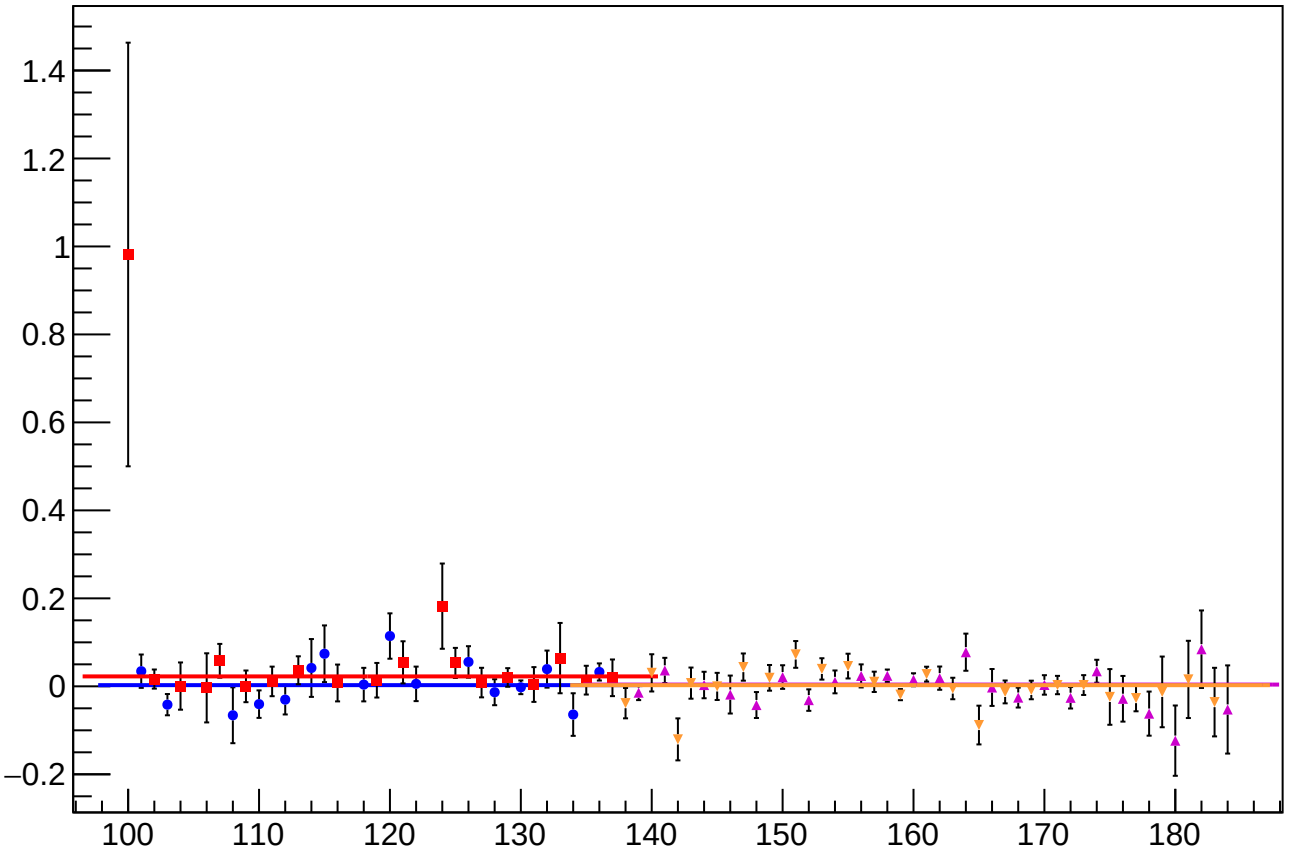
+ sign 20.330+/-0.003 χ^2/NDF: 6821821.8/39

All: 20.492+/-0.002 χ^2/NDF: 12719272.9/81

- sign 20.660+/-0.003 χ^2/NDF: 5892128.8/41


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:52.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:19.8/22
+ sign 0.000+/-0.000 χ²/NDF: 76.2/39
All: 0.000+/-0.000 χ²/NDF: 113.0/81
- sign 0.000+/-0.000 χ²/NDF: 36.8/41


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:2456537.2/22
+ sign 0.001+/-0.000 χ²/NDF: 4979018.1/39
All: 0.001+/-0.000 χ²/NDF: 14310347.5/81
- sign 0.001+/-0.000 χ²/NDF: 8939170.2/41



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.2/23

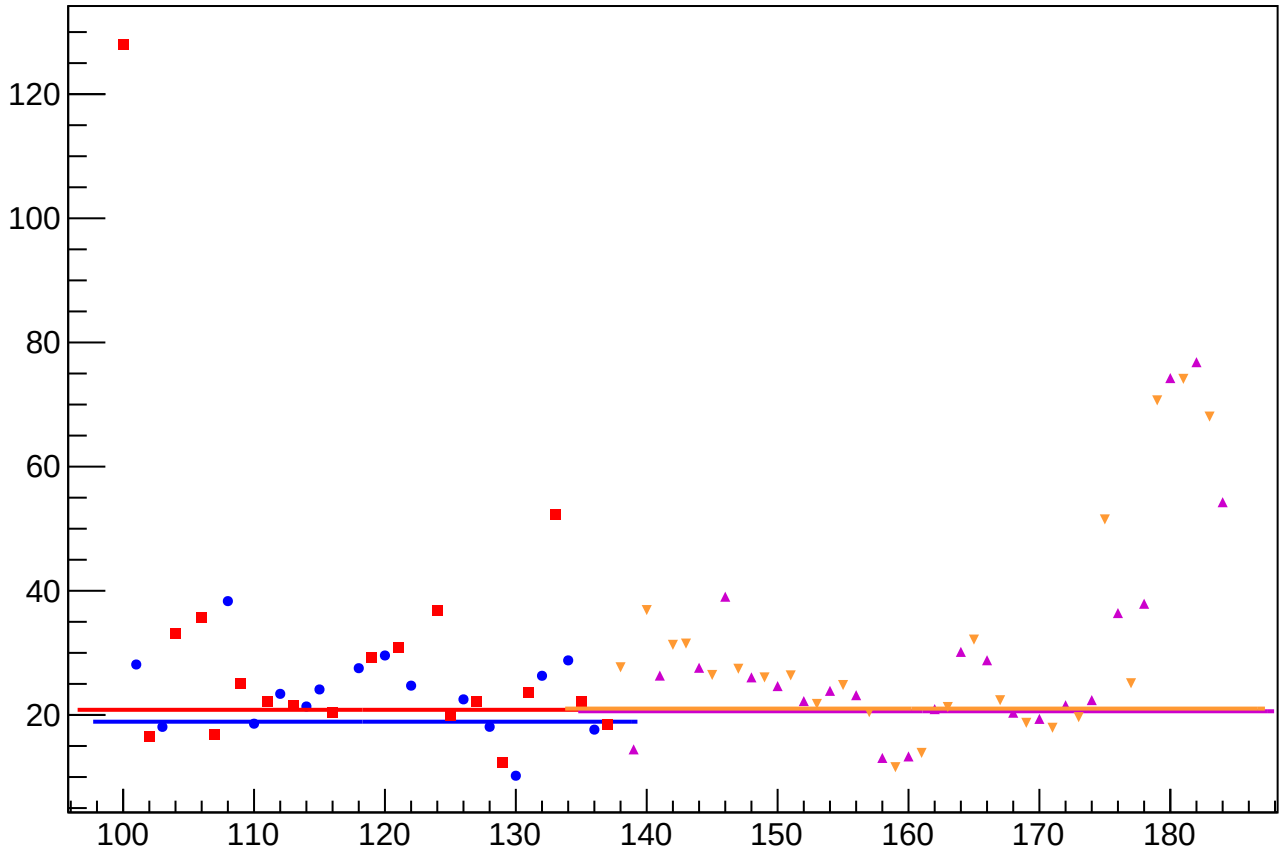
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.1/39

All: 0.006+/-0.003 χ^2/NDF: 94.0/81

- sign 0.009+/-0.005 χ^2/NDF: 38.8/41



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

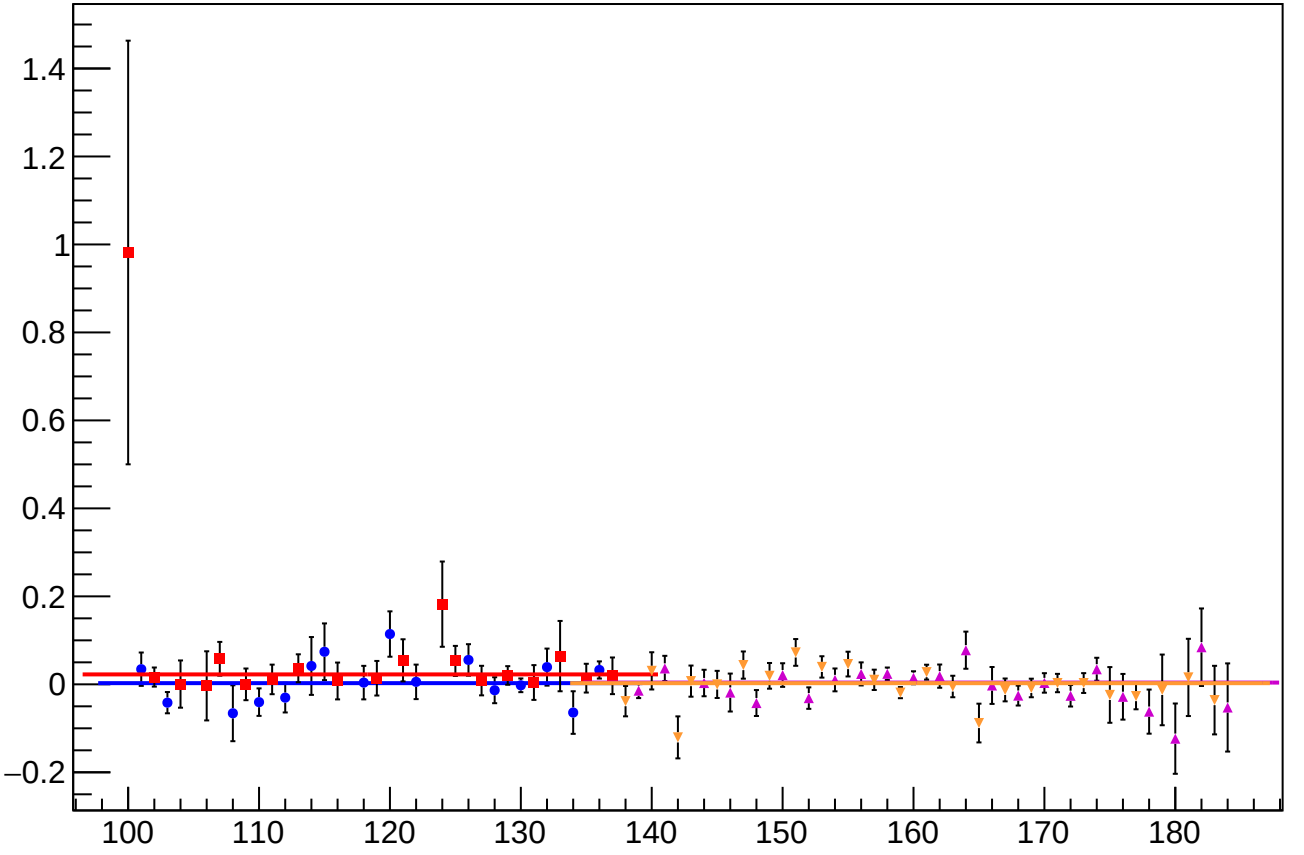
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.331+/-0.003 χ^2/NDF: 6821807.5/39

All: 20.492+/-0.002 χ^2/NDF: 12719258.7/81

- sign 20.661+/-0.003 χ^2/NDF: 5892127.7/41

asym_sam_1357_avg_eigen_dit_vs_eigen_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

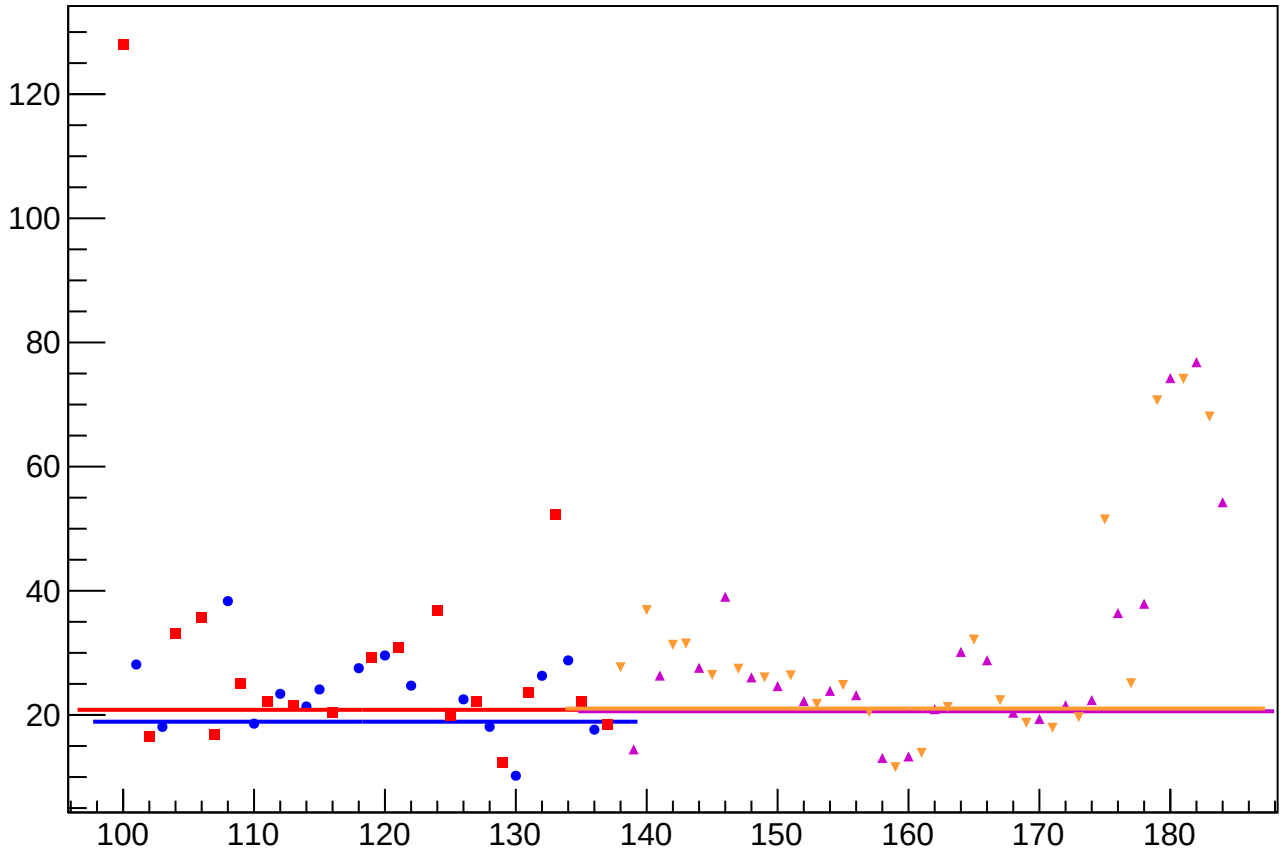
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.1/39

All: 0.006+/-0.003 χ^2/NDF: 94.0/81

- sign 0.009+/-0.005 χ^2/NDF: 38.8/41



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 21.025+/-0.004 χ^2/NDF:5333143.5/23

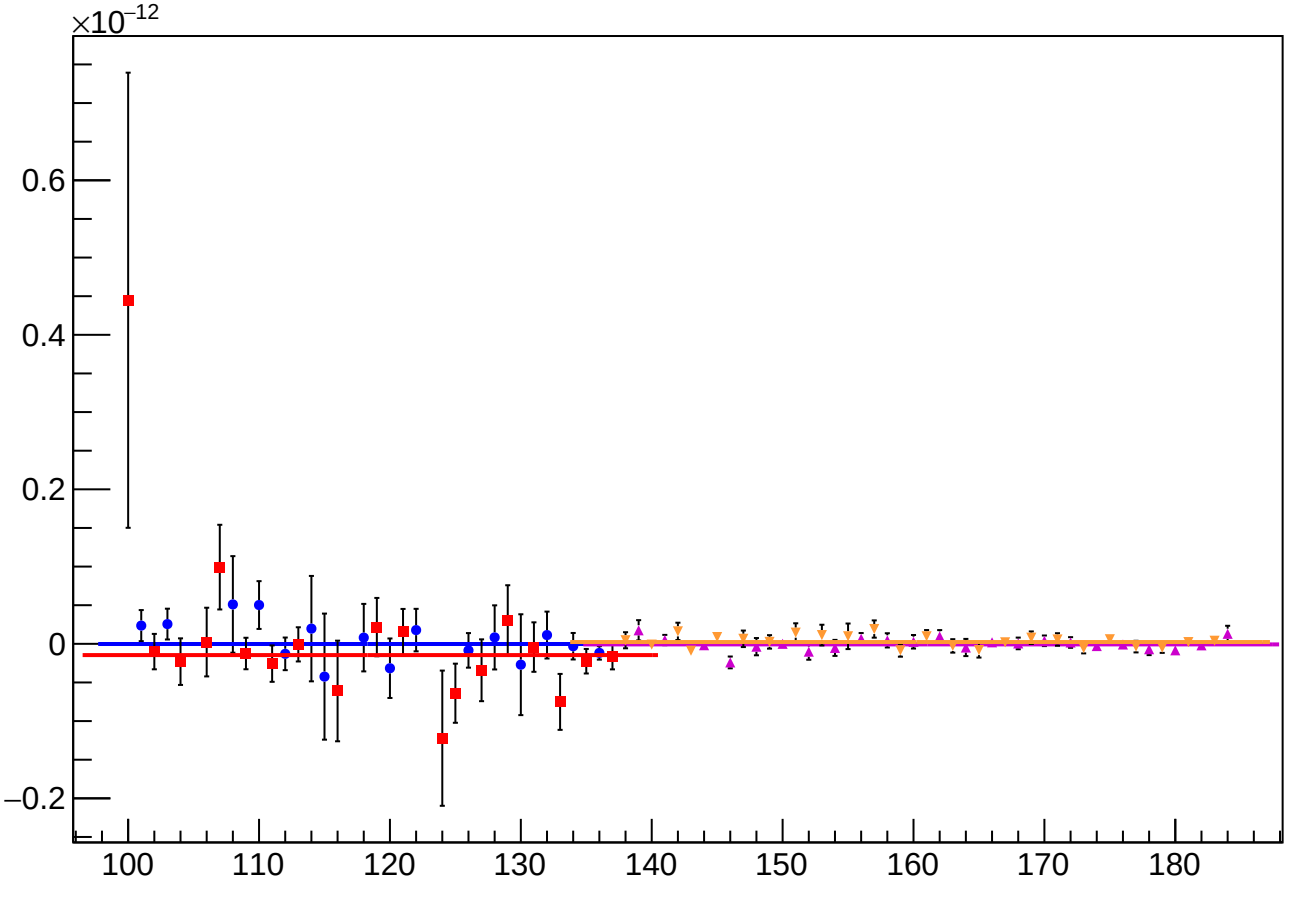
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.331+/-0.003 χ^2/NDF: 6821807.5/39

All: 20.492+/-0.002 χ^2/NDF: 12719258.7/81

- sign 20.661+/-0.003 χ^2/NDF: 5892127.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/23

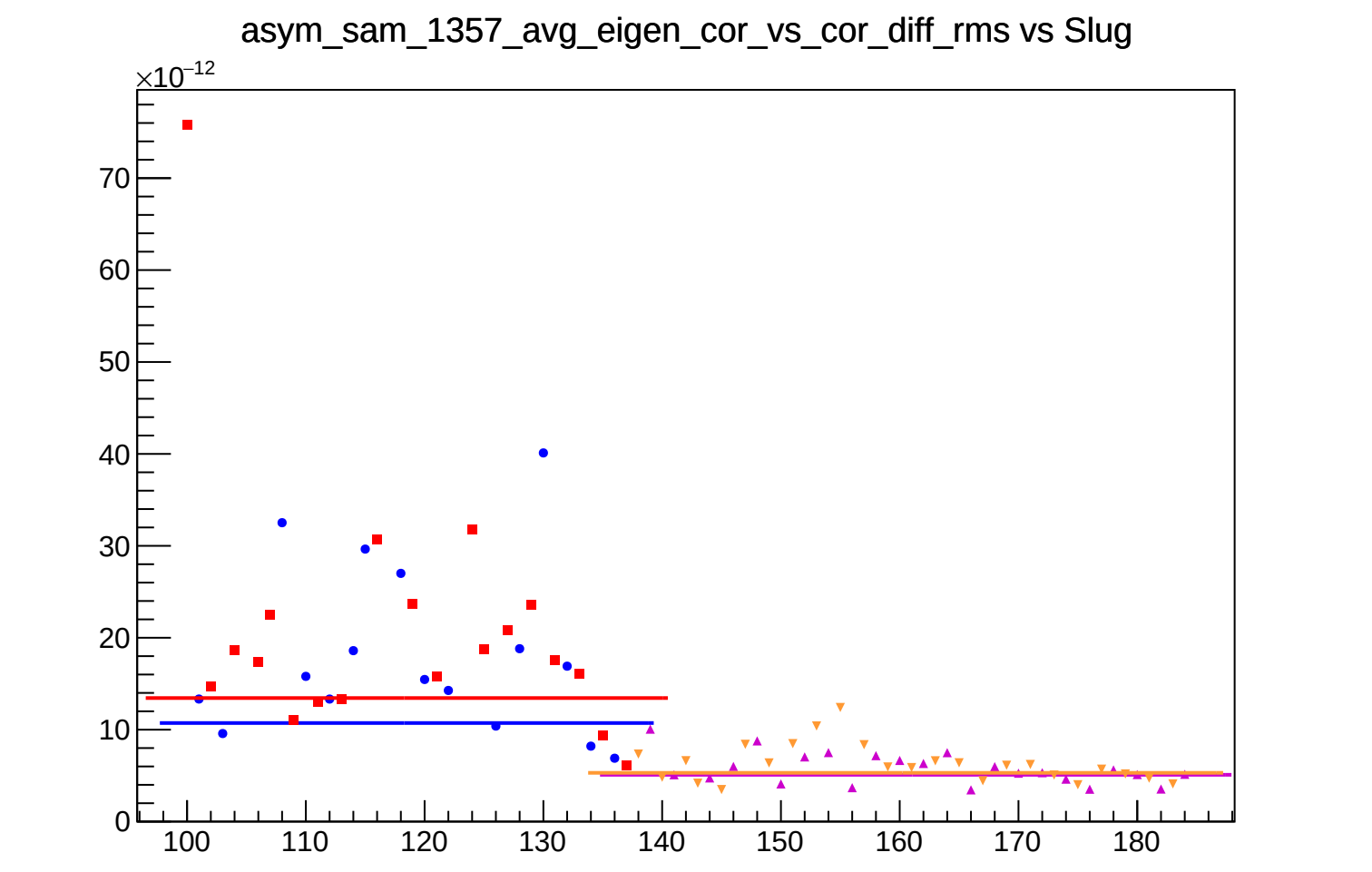
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/39

All: 0.000+/-0.000 χ^2/NDF: 76.1/81

- sign -0.000+/-0.000 χ^2/NDF: 43.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2021080.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

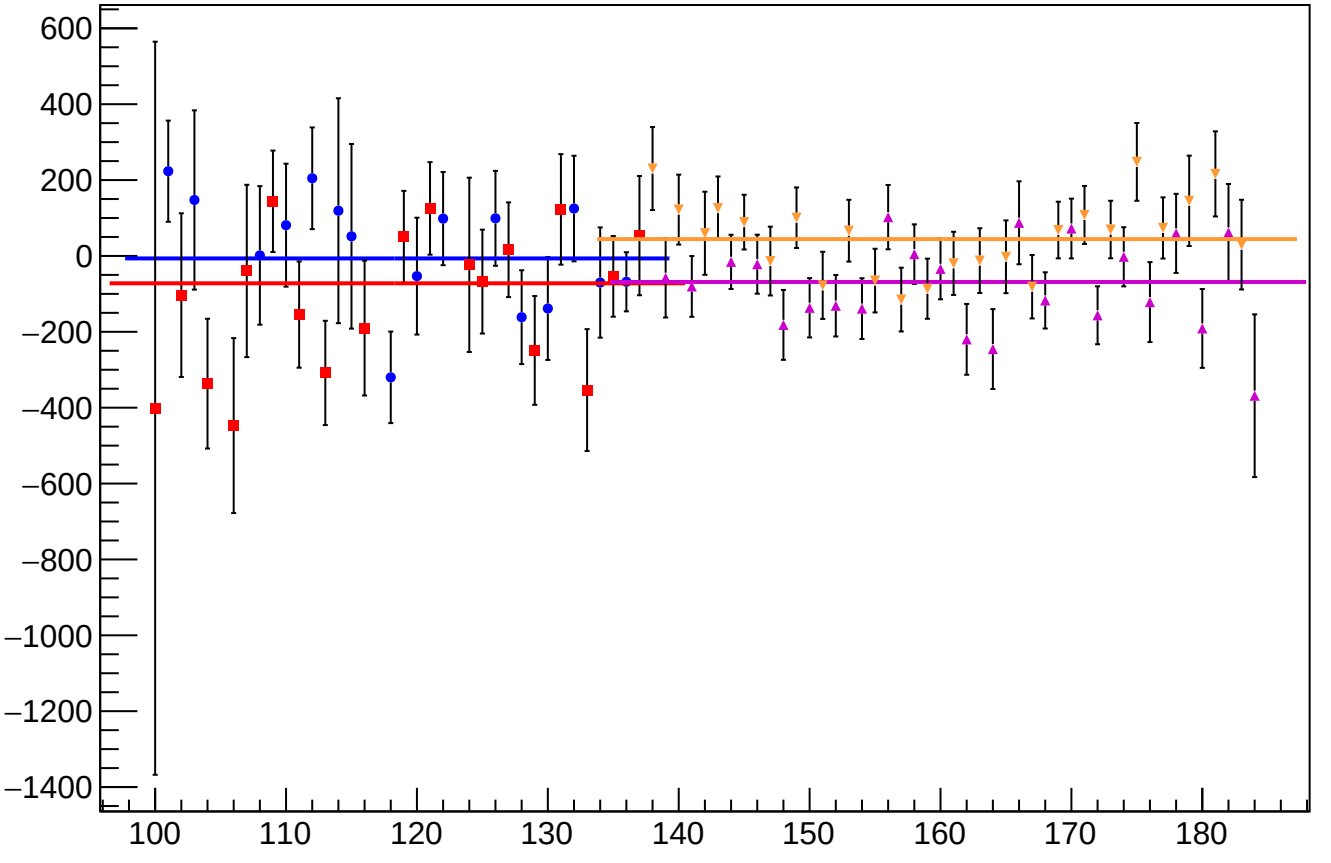
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5599388.8/39

All: 0.000+/-0.000 χ^2/NDF: 11811311.4/81

- sign 0.000+/-0.000 χ^2/NDF: 6200095.9/41

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

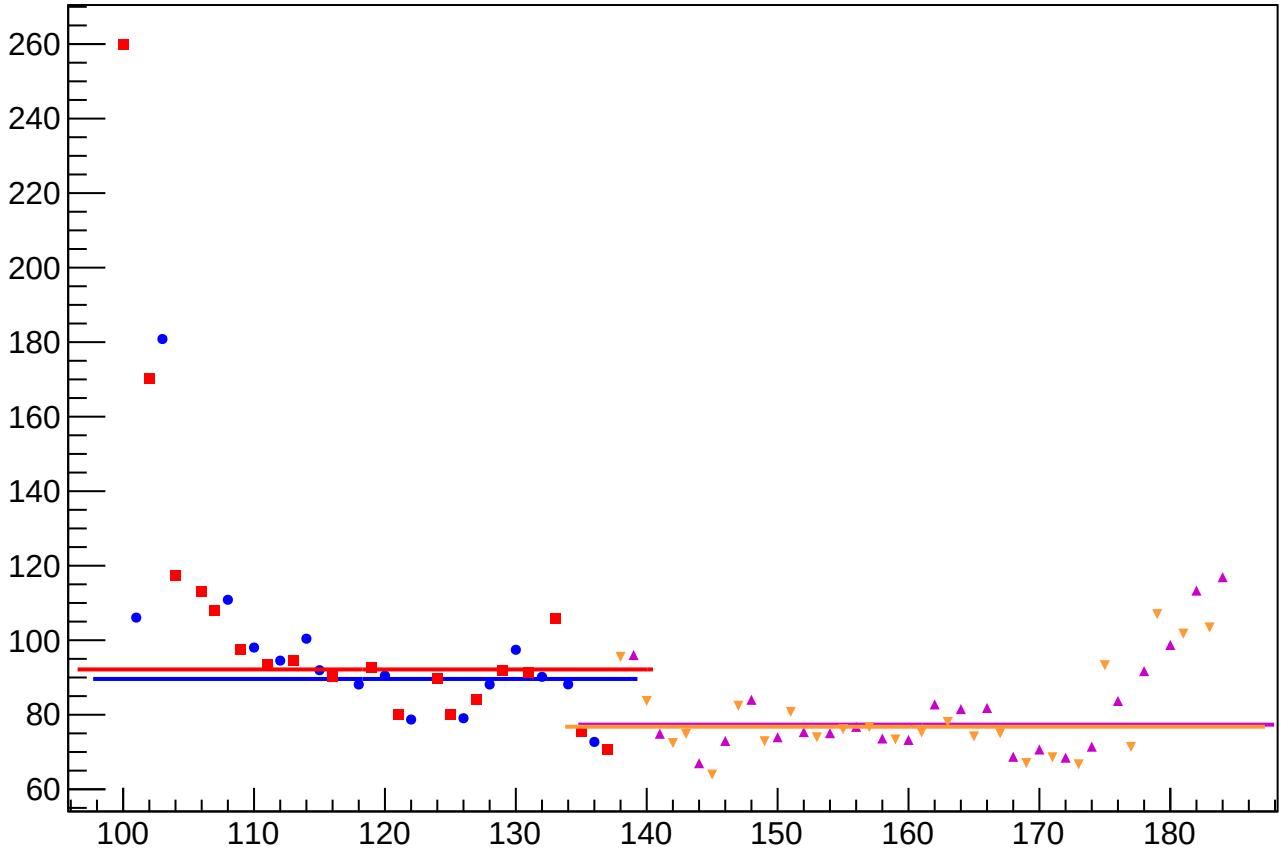
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 33.599+/-15.812 χ^2/NDF: 48.1/39

All: -16.588+/-11.321 χ^2/NDF: 120.6/81

- sign -69.377+/-16.217 χ^2/NDF: 51.8/41

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

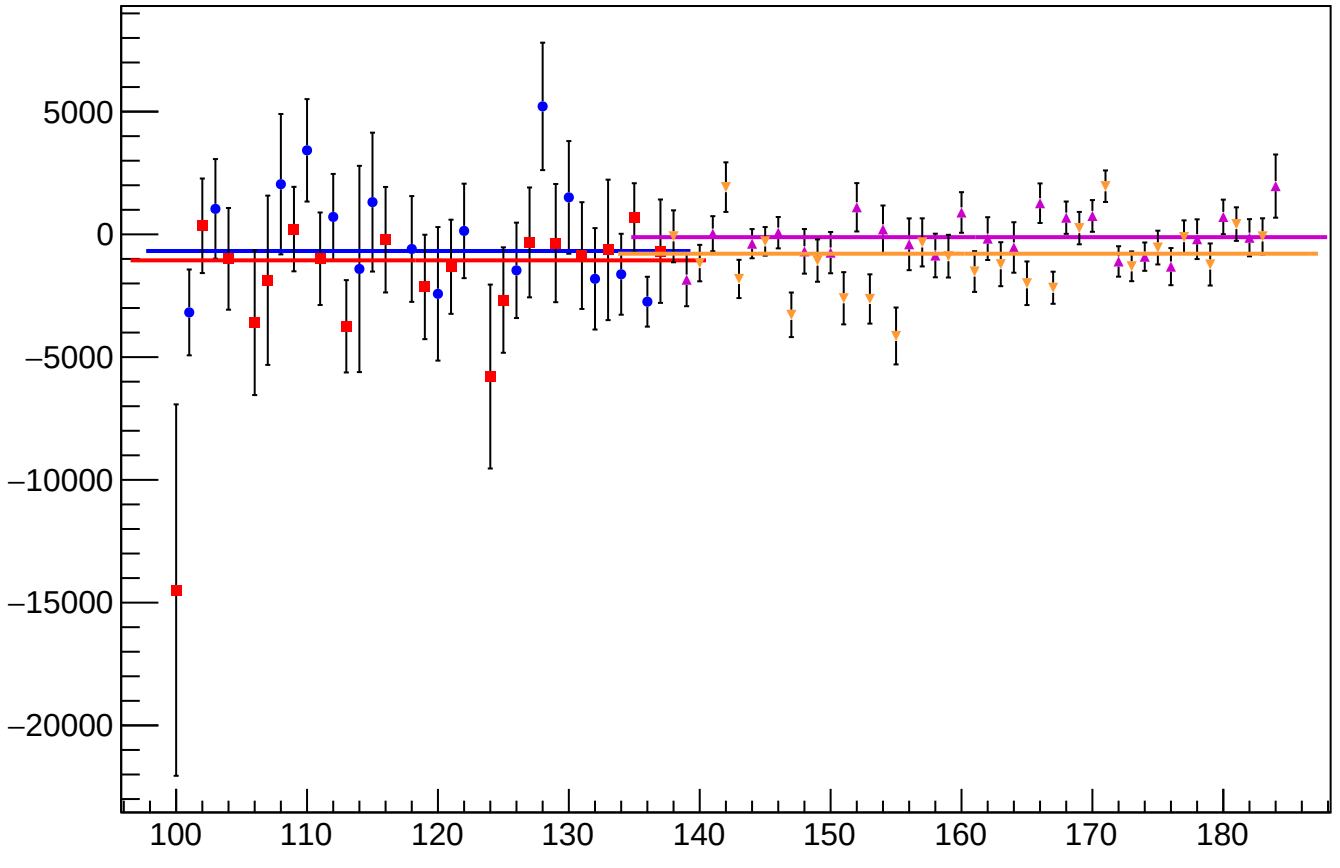
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.516+/-0.011 χ^2/NDF: 1365288.2/39

All: 80.020+/-0.008 χ^2/NDF: 2784638.0/81

- sign 80.550+/-0.011 χ^2/NDF: 1415183.2/41



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

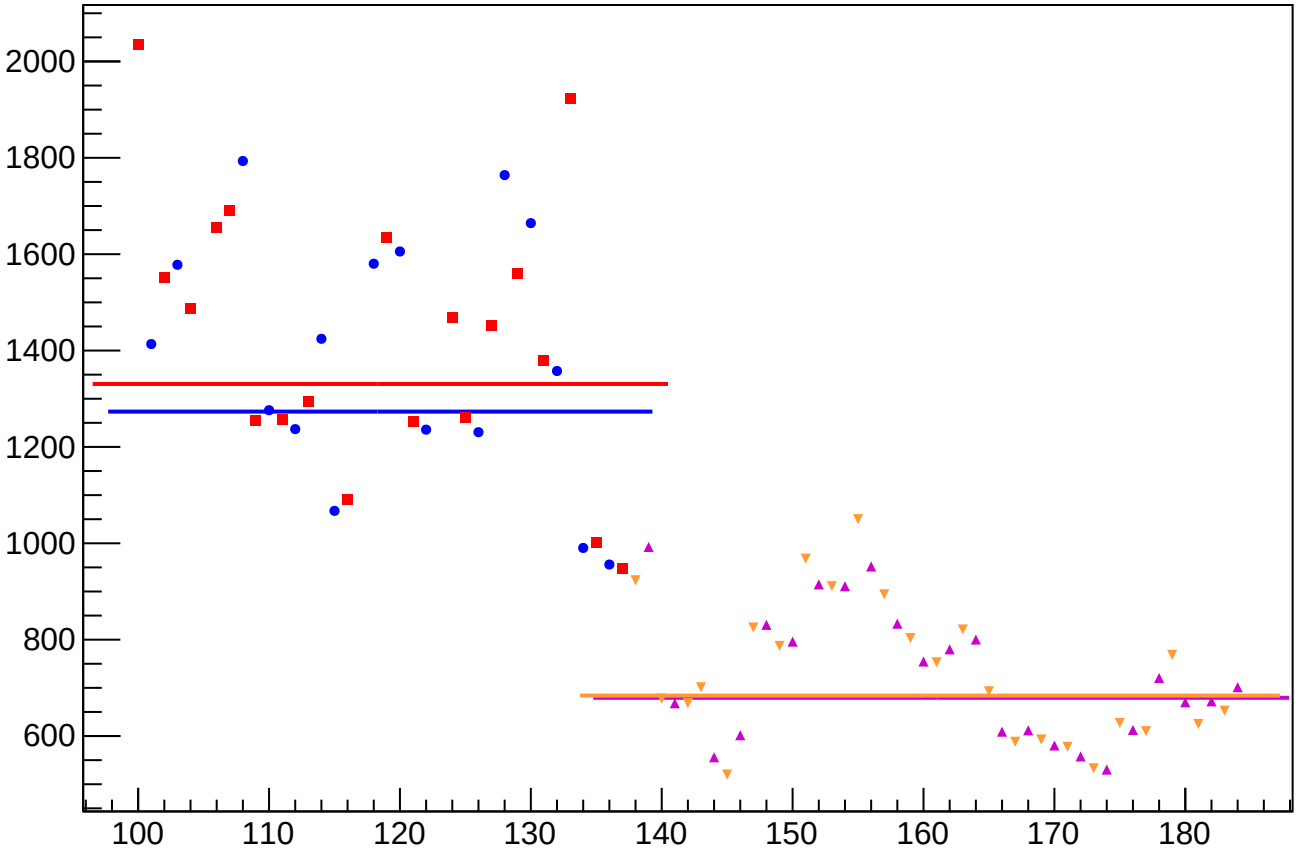
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -776.992+/-151.761 χ^2/NDF: 87.5/39

All: -494.680+/-108.039 χ^2/NDF: 134.3/81

- sign -204.577+/-153.841 χ^2/NDF: 39.8/41

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

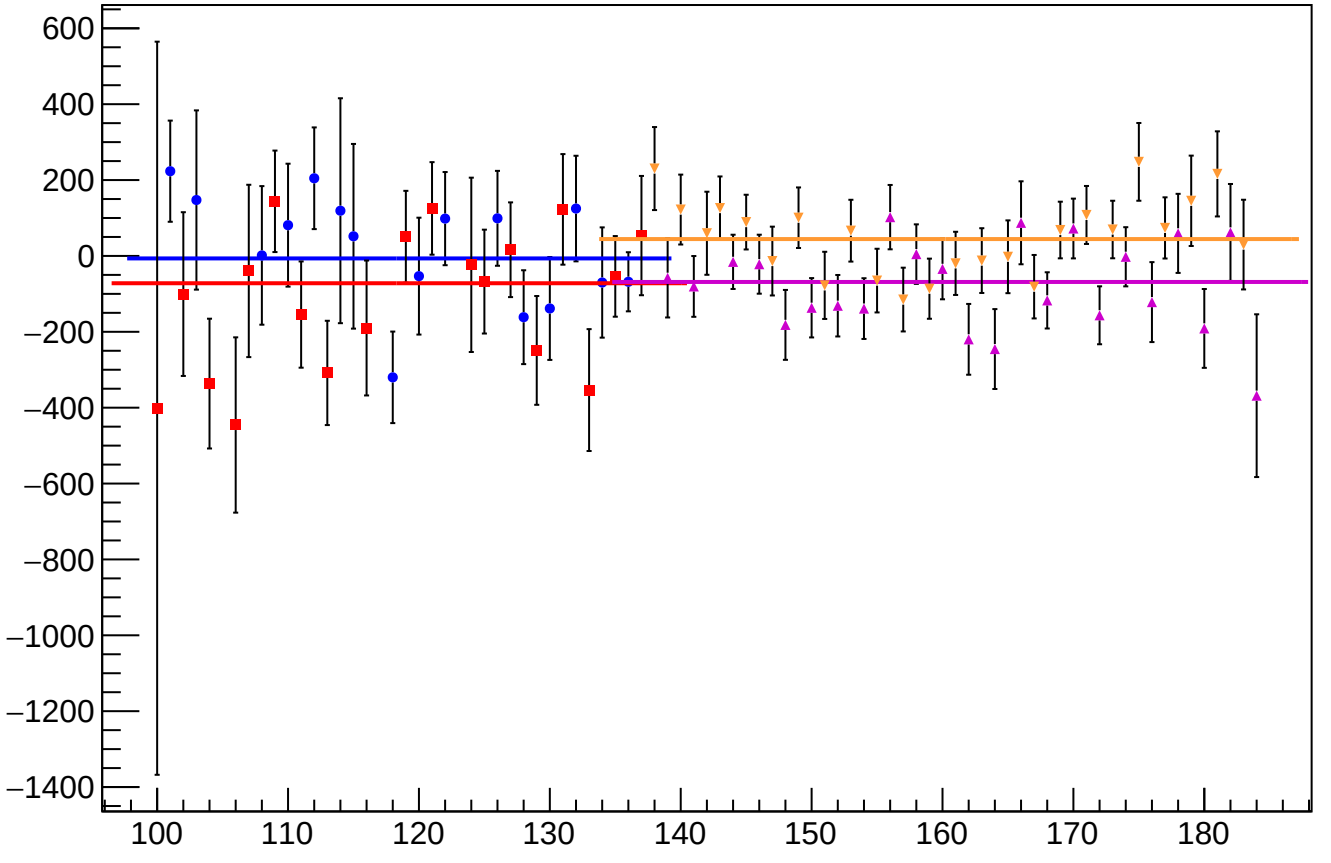
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 741.315+/-0.107 χ^2/NDF: 4557028.8/39

All: 741.642+/-0.076 χ^2/NDF: 9325542.0/81

- sign 741.978+/-0.109 χ^2/NDF: 4768494.3/41

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

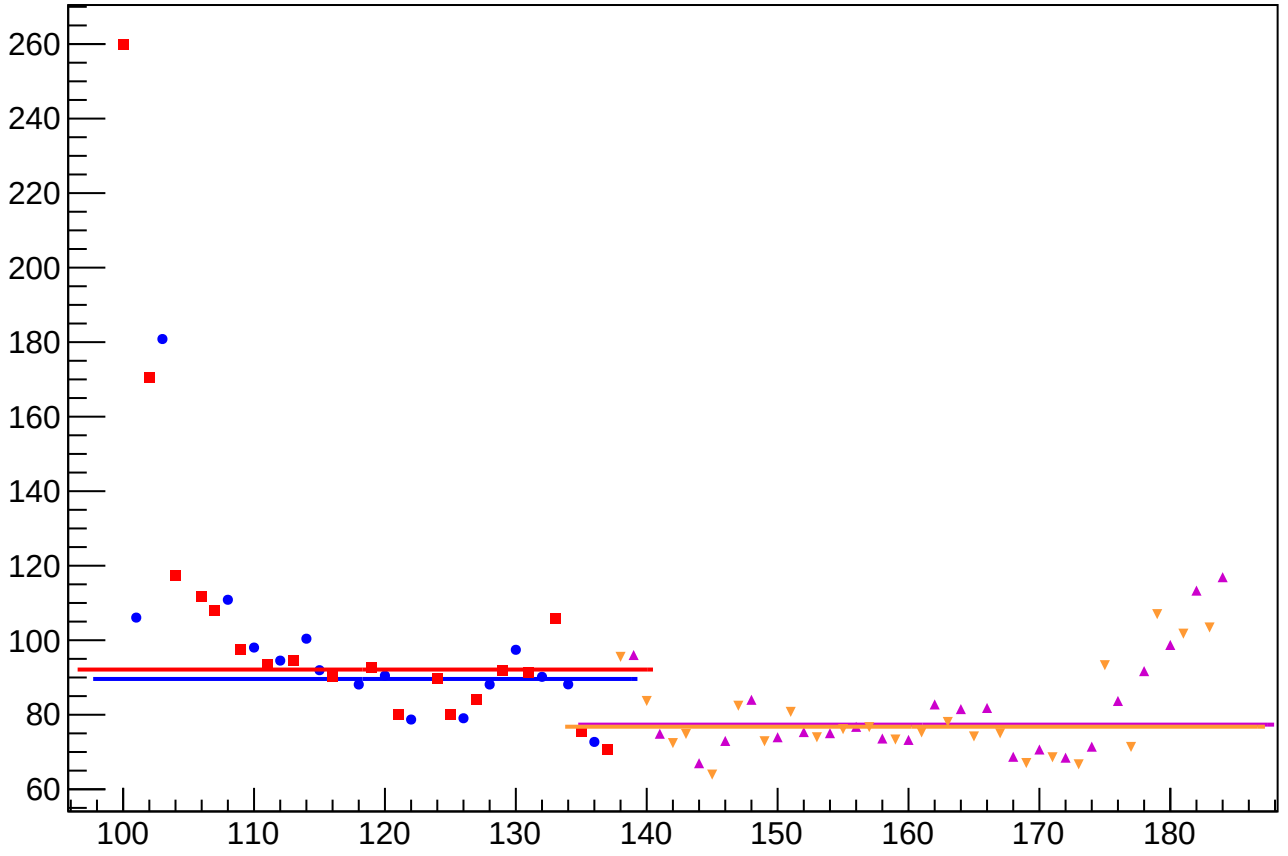
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 33.601+/-15.812 χ^2/NDF: 48.1/39

All: -16.571+/-11.322 χ^2/NDF: 120.5/81

- sign -69.346+/-16.217 χ^2/NDF: 51.8/41

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

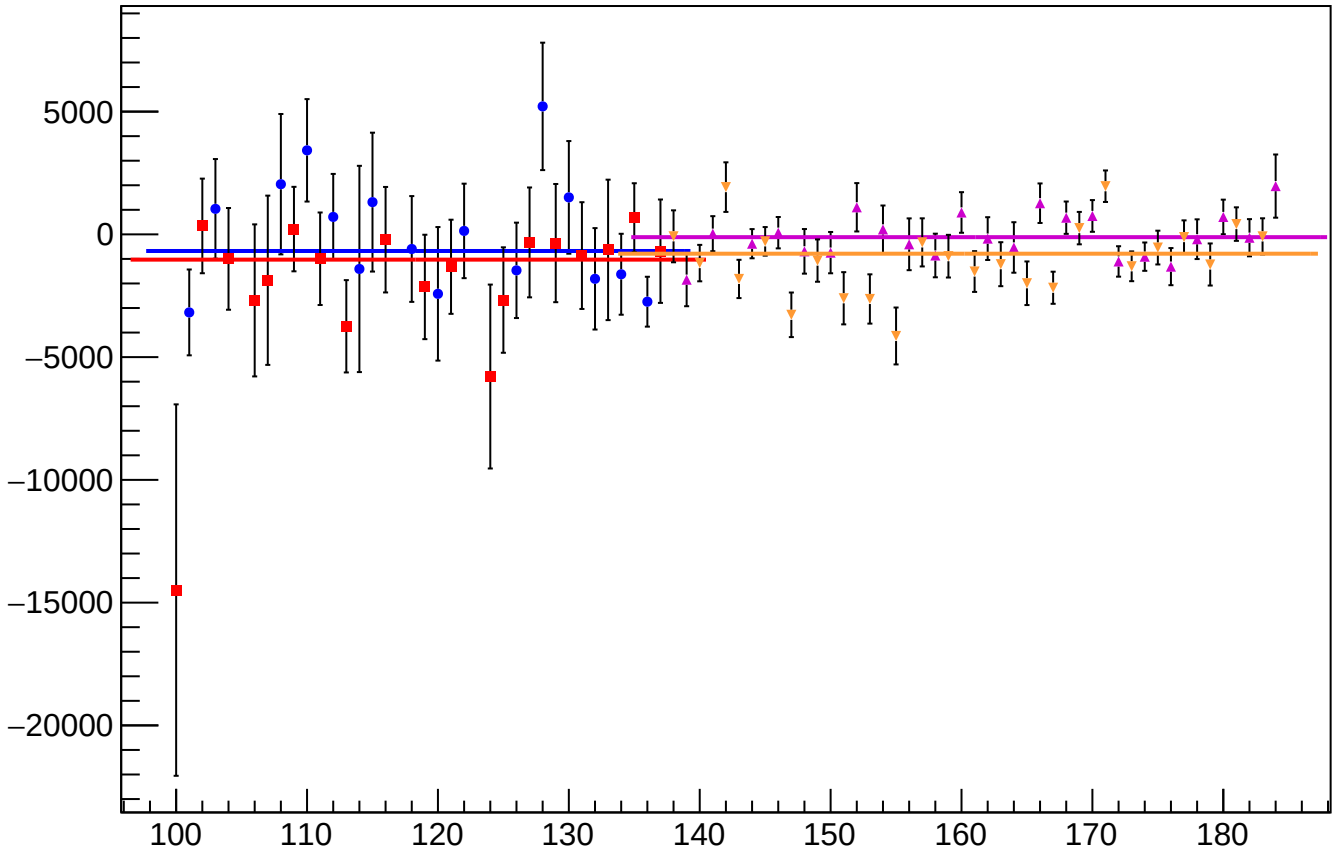
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.516+/-0.011 χ^2/NDF: 1365291.7/39

All: 80.016+/-0.008 χ^2/NDF: 2781581.8/81

- sign 80.543+/-0.011 χ^2/NDF: 1412180.9/41



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

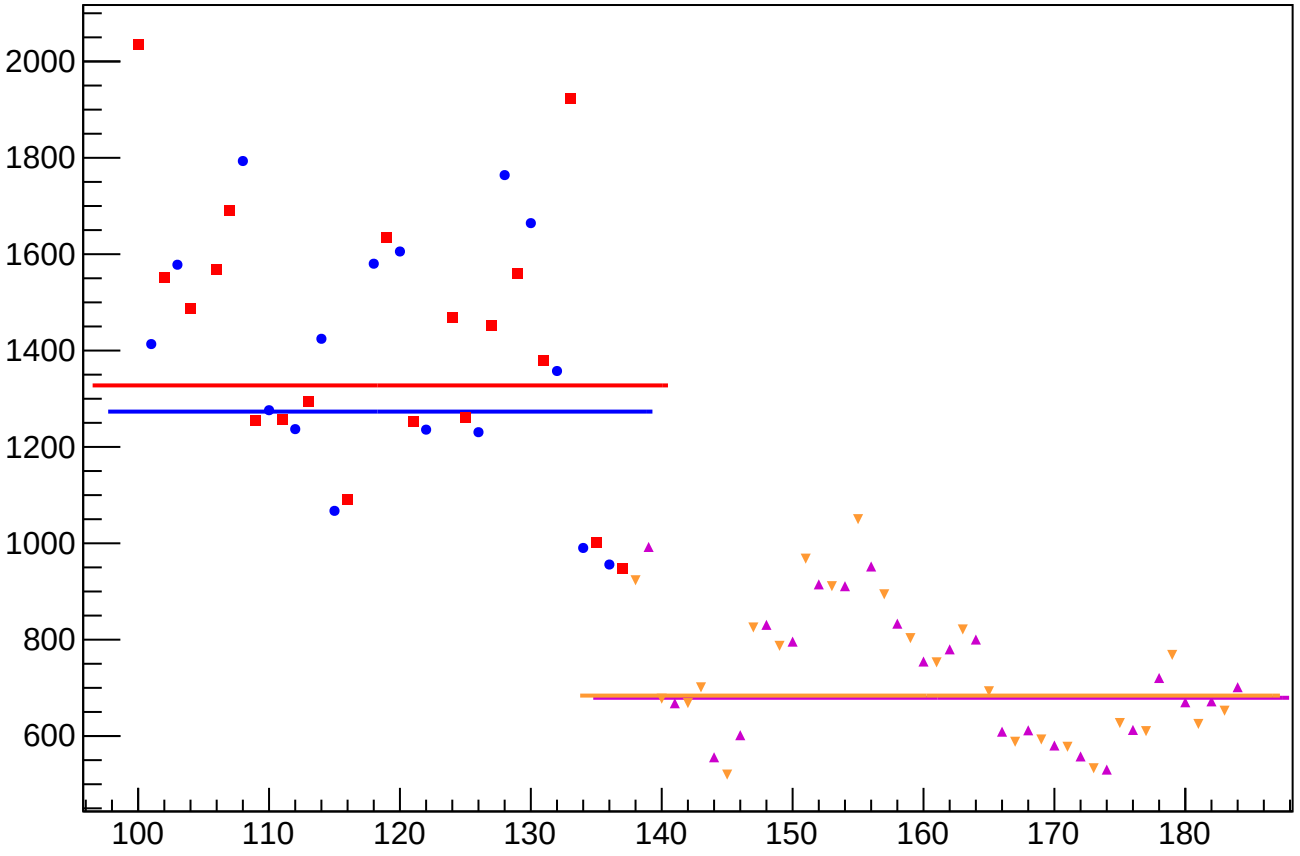
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -776.983+/-151.761 χ^2/NDF: 87.5/39

All: -493.216+/-108.046 χ^2/NDF: 133.7/81

- sign -201.543+/-153.861 χ^2/NDF: 39.1/41

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

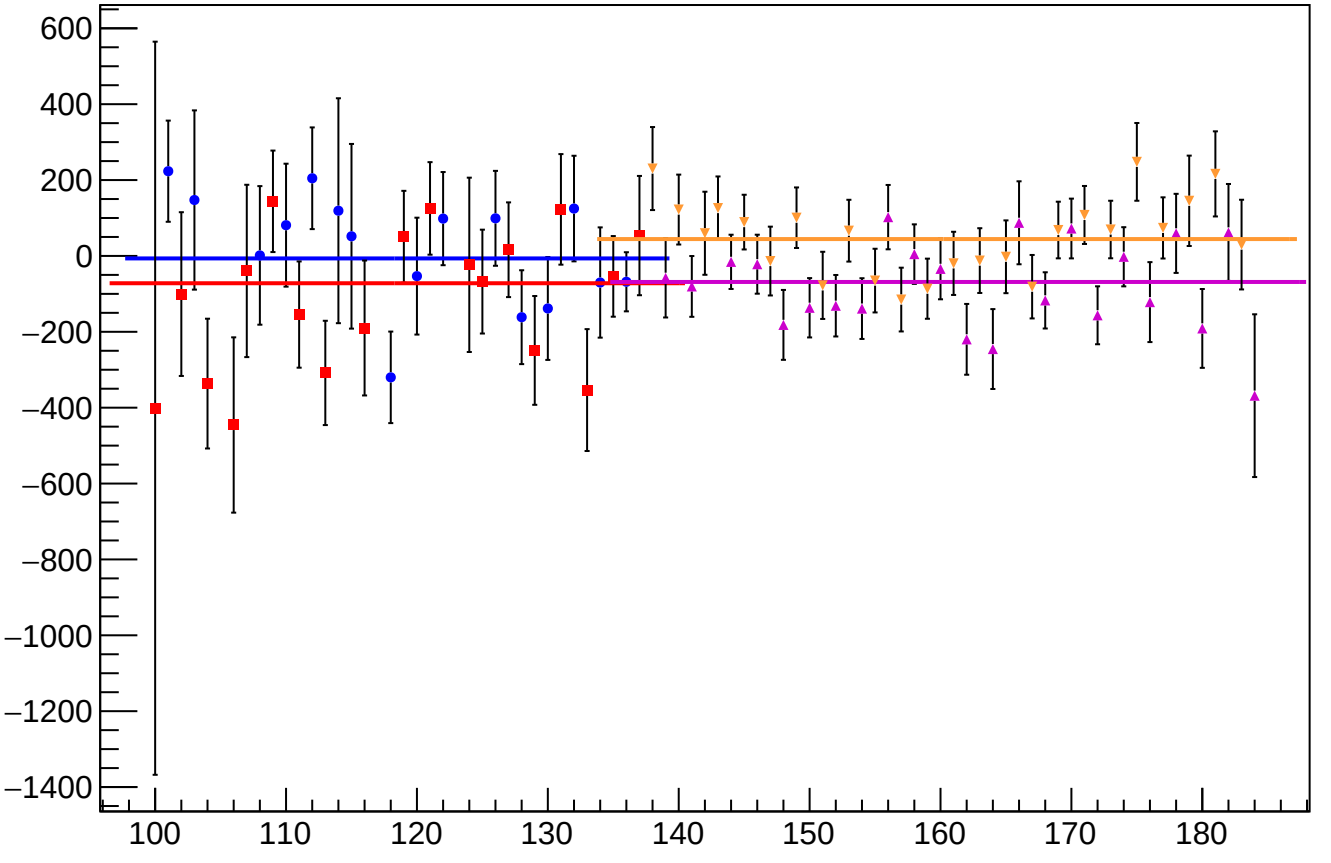
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 741.314+/-0.107 χ^2/NDF: 4557073.4/39

All: 741.424+/-0.076 χ^2/NDF: 9277035.3/81

- sign 741.537+/-0.109 χ^2/NDF: 4719959.7/41

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

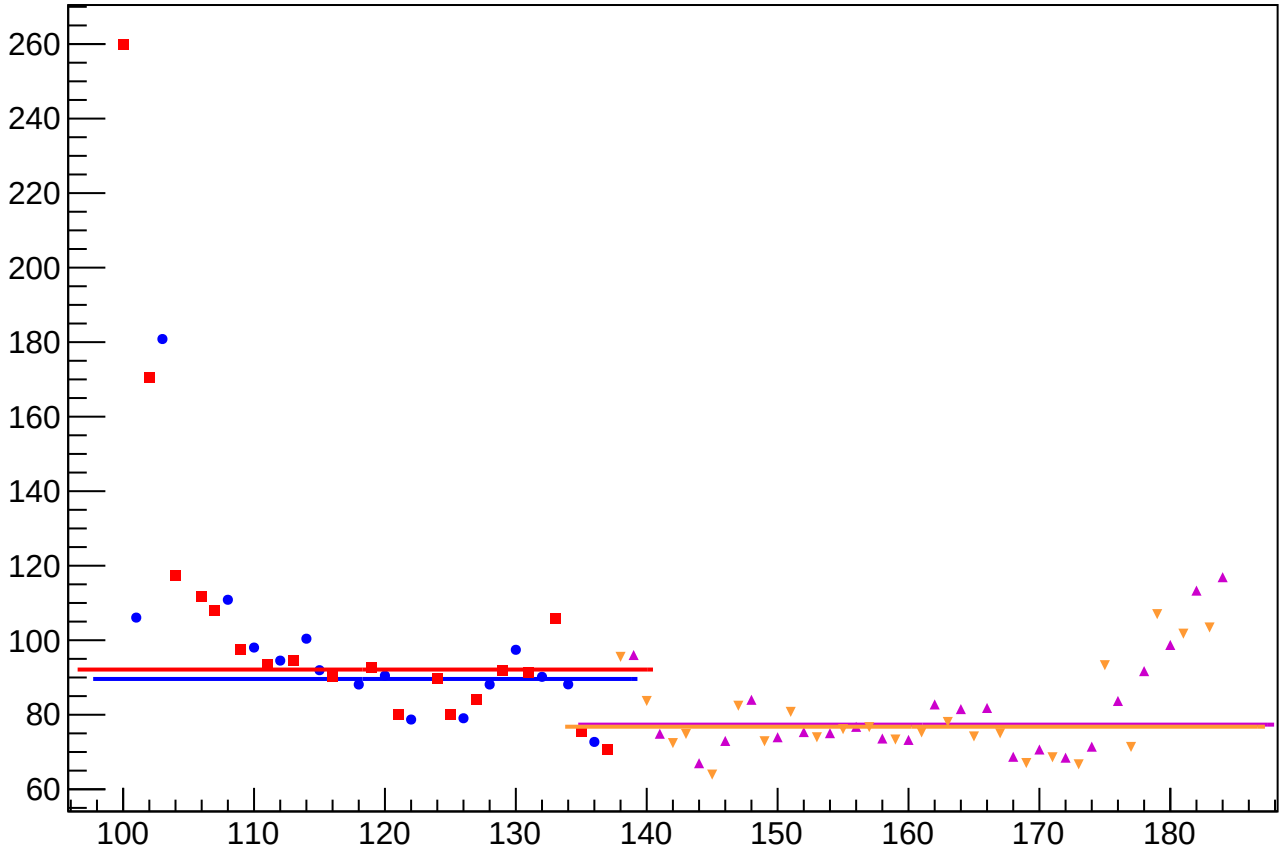
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 33.601+/-15.812 χ^2/NDF: 48.1/39

All: -16.571+/-11.322 χ^2/NDF: 120.5/81

- sign -69.346+/-16.217 χ^2/NDF: 51.8/41

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

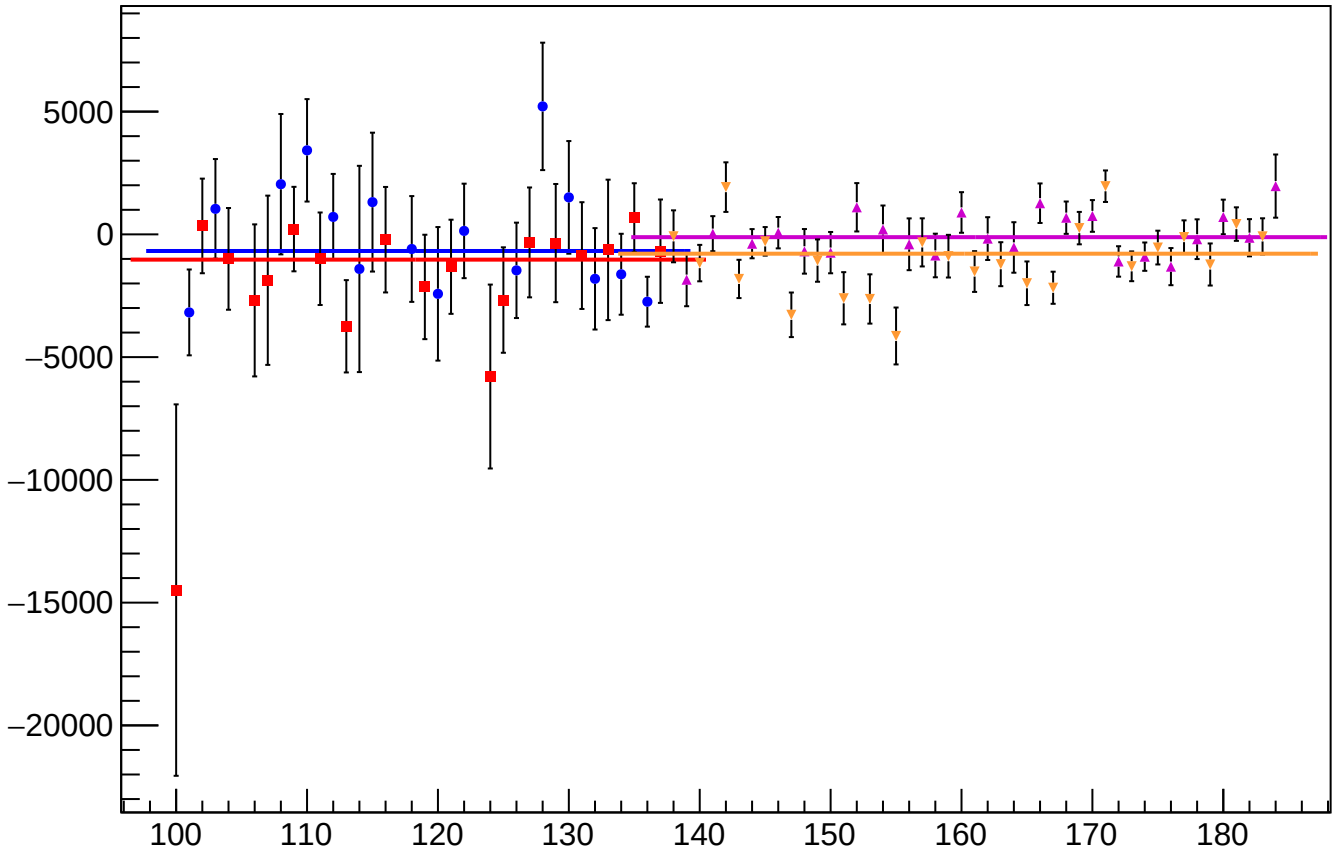
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.516+/-0.011 χ^2/NDF: 1365291.7/39

All: 80.016+/-0.008 χ^2/NDF: 2781581.8/81

- sign 80.543+/-0.011 χ^2/NDF: 1412180.9/41



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

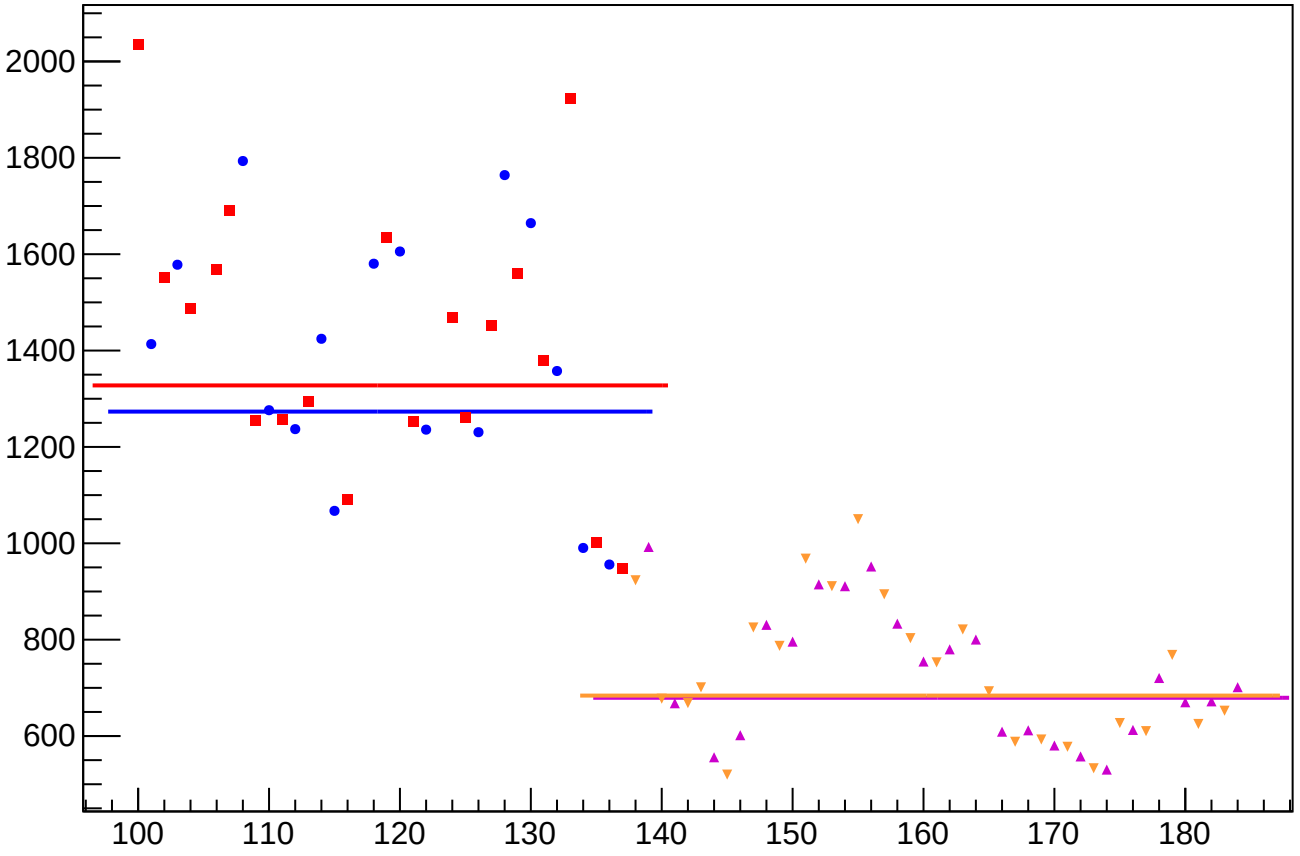
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -776.983+/-151.761 χ^2/NDF: 87.5/39

All: -493.216+/-108.046 χ^2/NDF: 133.7/81

- sign -201.543+/-153.861 χ^2/NDF: 39.1/41

asym_sam_2468_avg_eigen_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

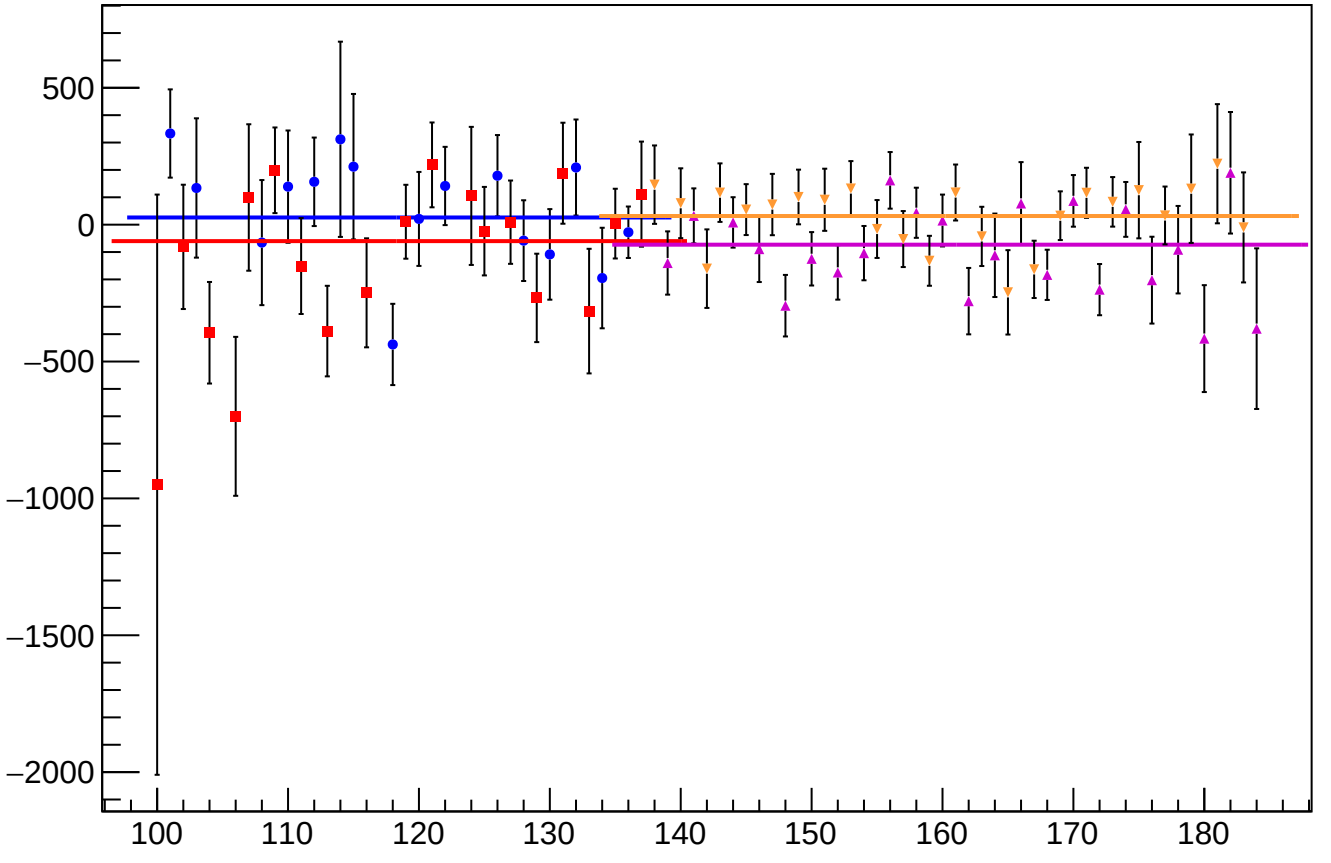
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 741.314+/-0.107 χ^2/NDF: 4557073.4/39

All: 741.424+/-0.076 χ^2/NDF: 9277035.3/81

- sign 741.537+/-0.109 χ^2/NDF: 4719959.7/41

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

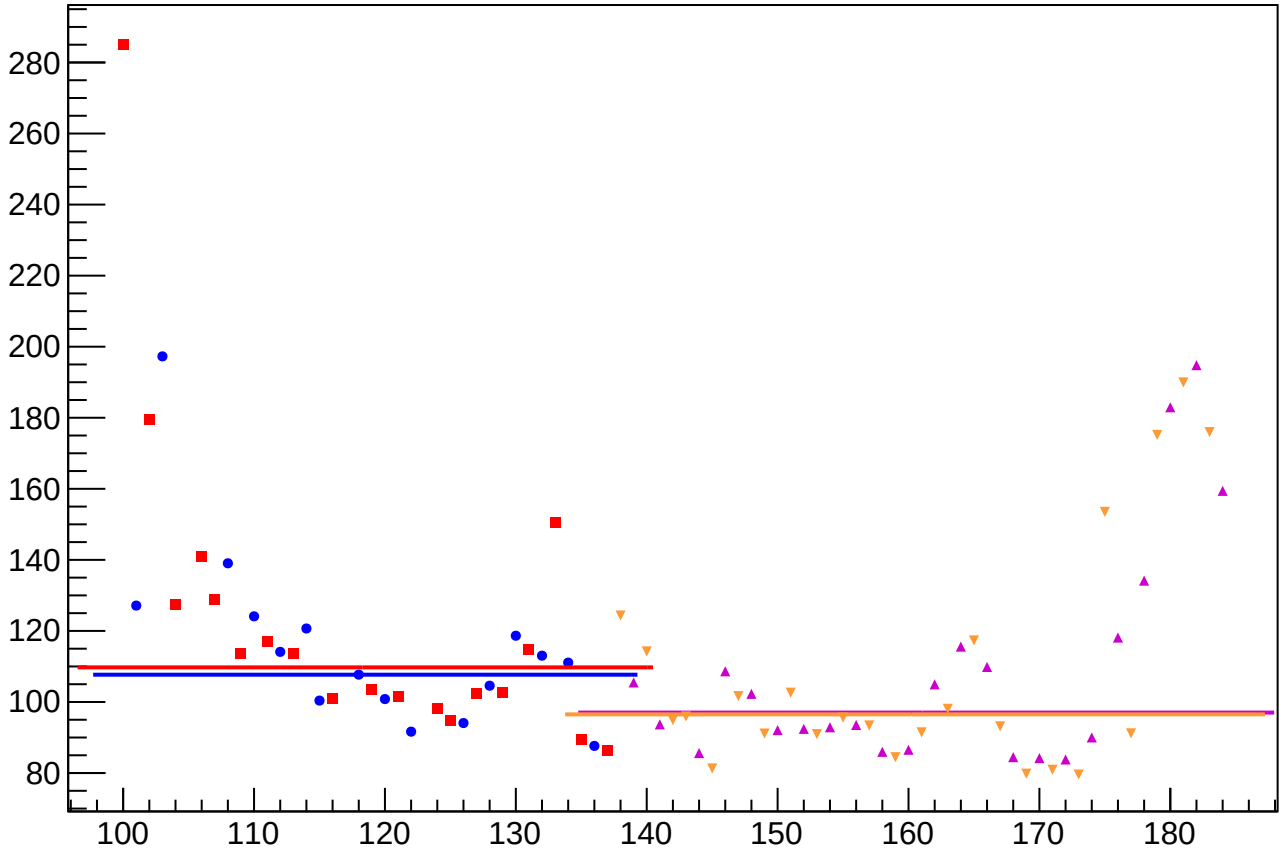
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 30.323+/-20.047 χ^2/NDF: 41.1/39

All: -18.810+/-14.319 χ^2/NDF: 114.9/81

- sign -69.985+/-20.459 χ^2/NDF: 61.6/41

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

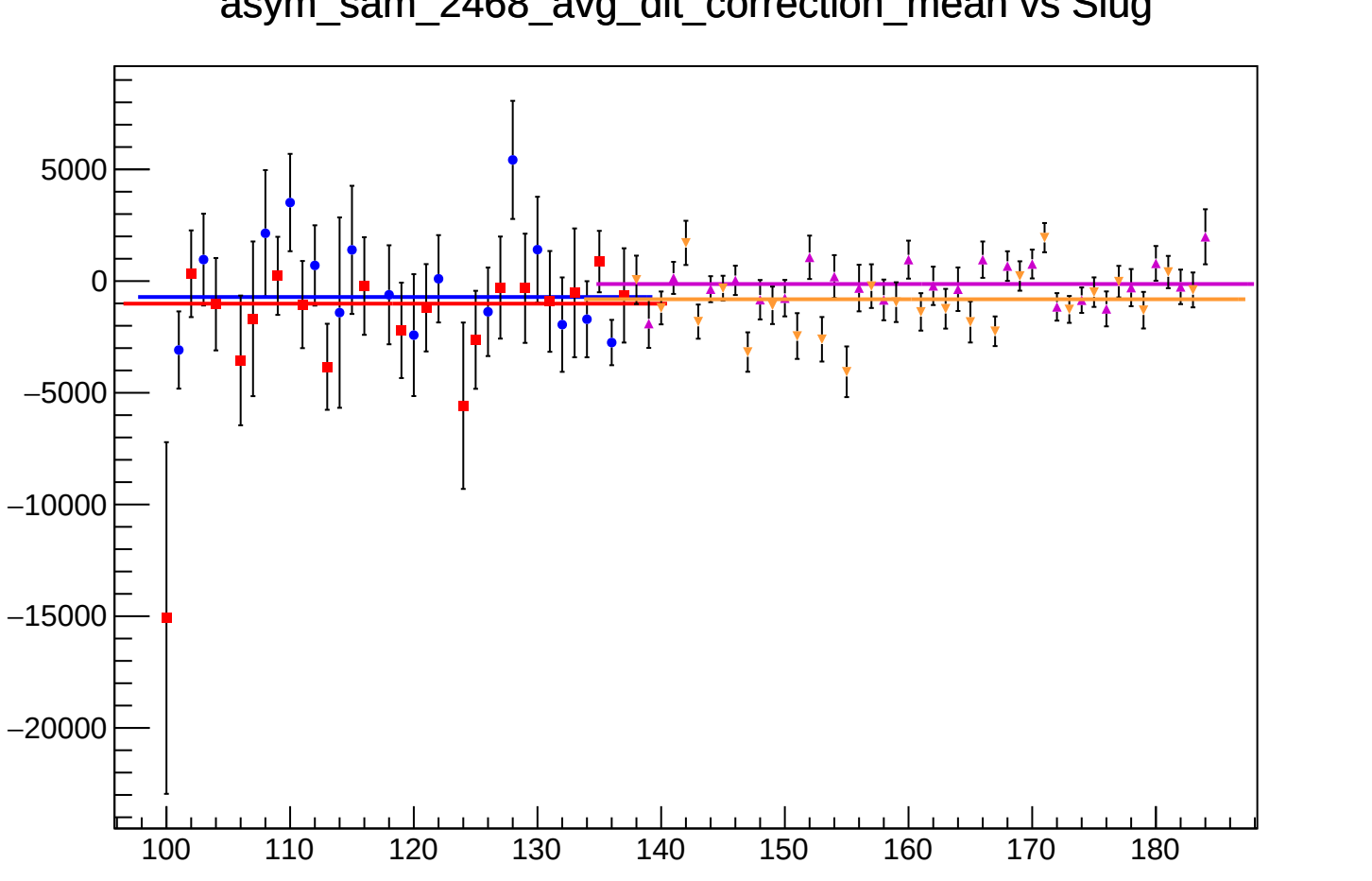
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 99.154+/-0.014 χ^2/NDF: 2275614.3/39

All: 99.619+/-0.010 χ^2/NDF: 4232951.2/81

- sign 100.105+/-0.014 χ^2/NDF: 1955132.4/41



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

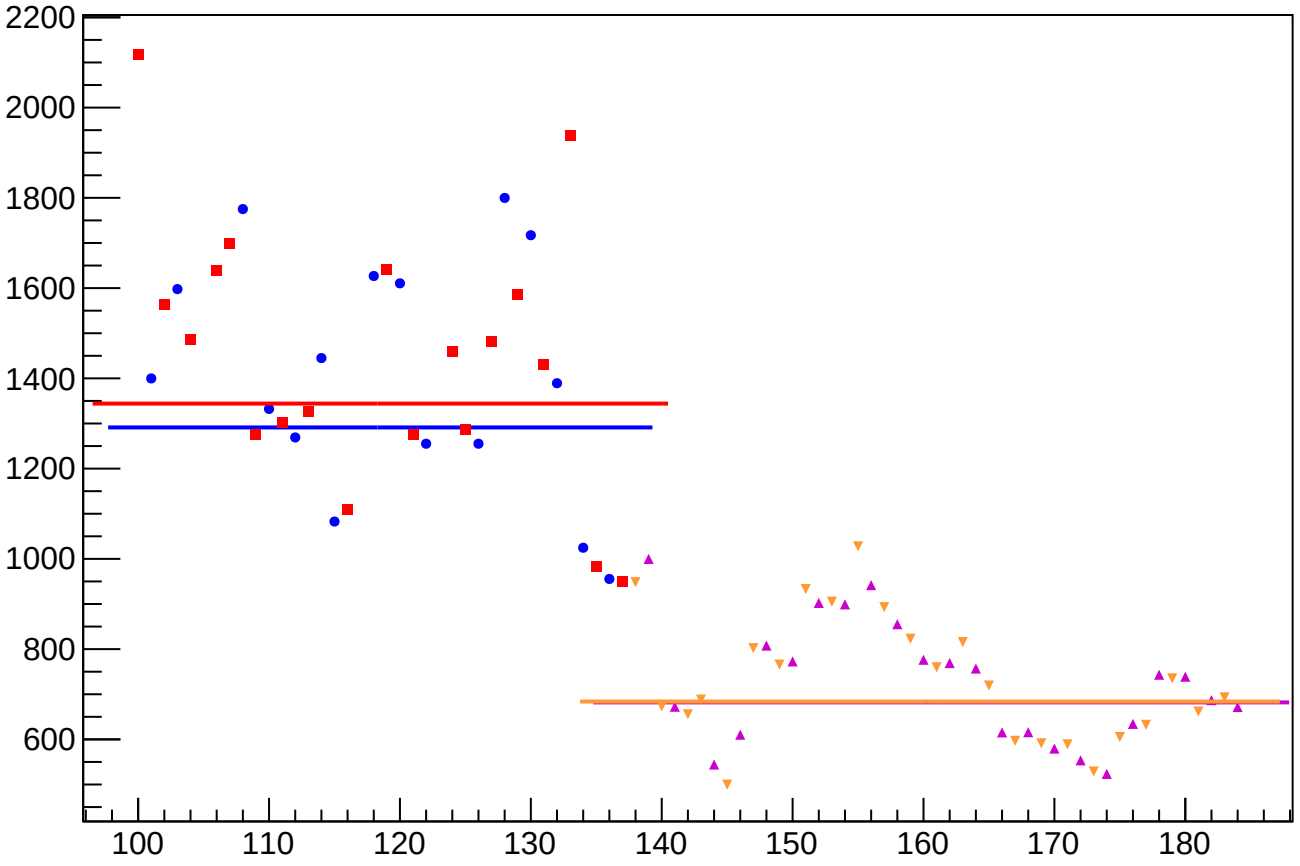
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -803.558+/-151.746 χ^2/NDF: 84.1/39

All: -514.519+/-108.263 χ^2/NDF: 130.3/81

- sign -214.871+/-154.505 χ^2/NDF: 38.8/41

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

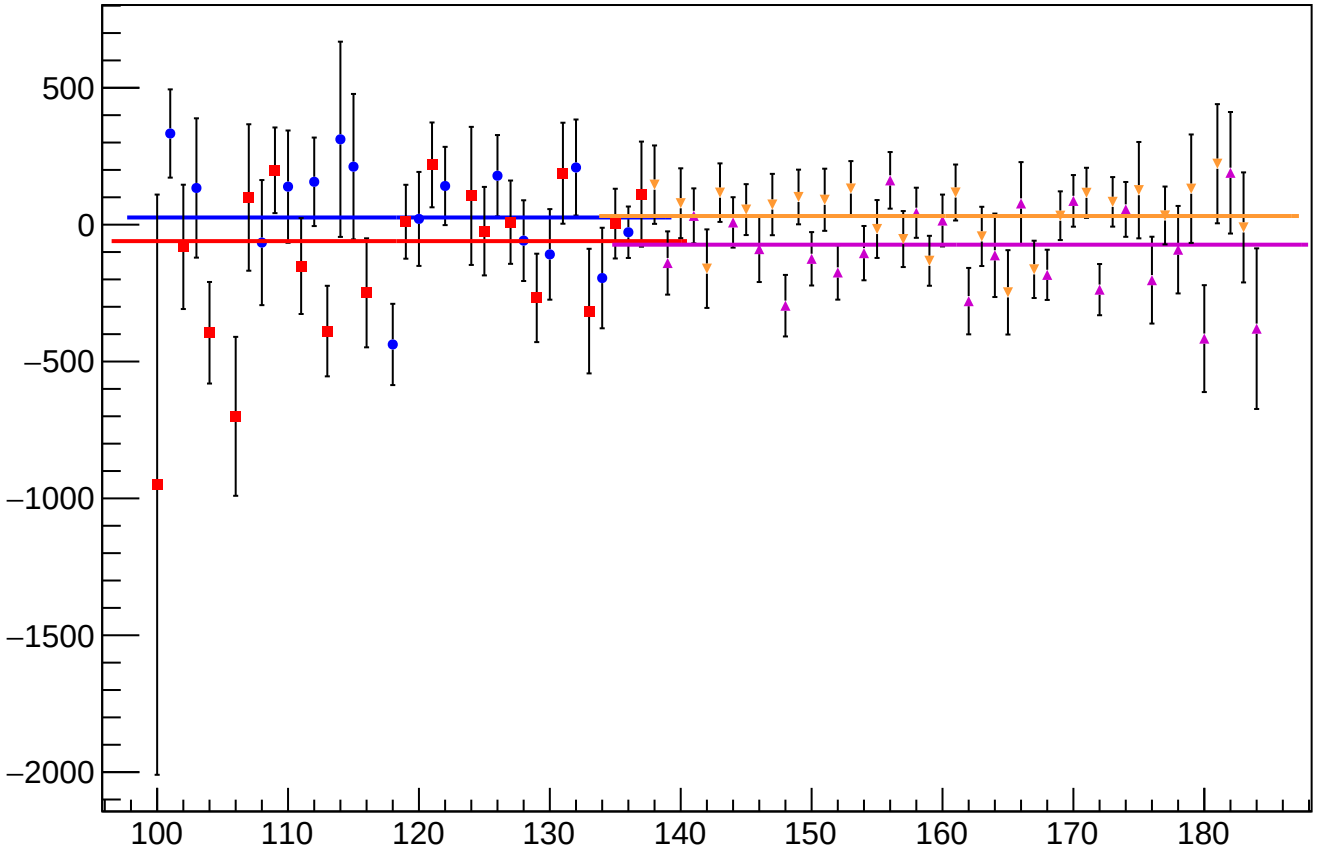
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 741.357+/-0.107 χ^2/NDF: 4653967.3/39

All: 743.069+/-0.077 χ^2/NDF: 9488719.9/81

- sign 744.843+/-0.109 χ^2/NDF: 4834234.3/41

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

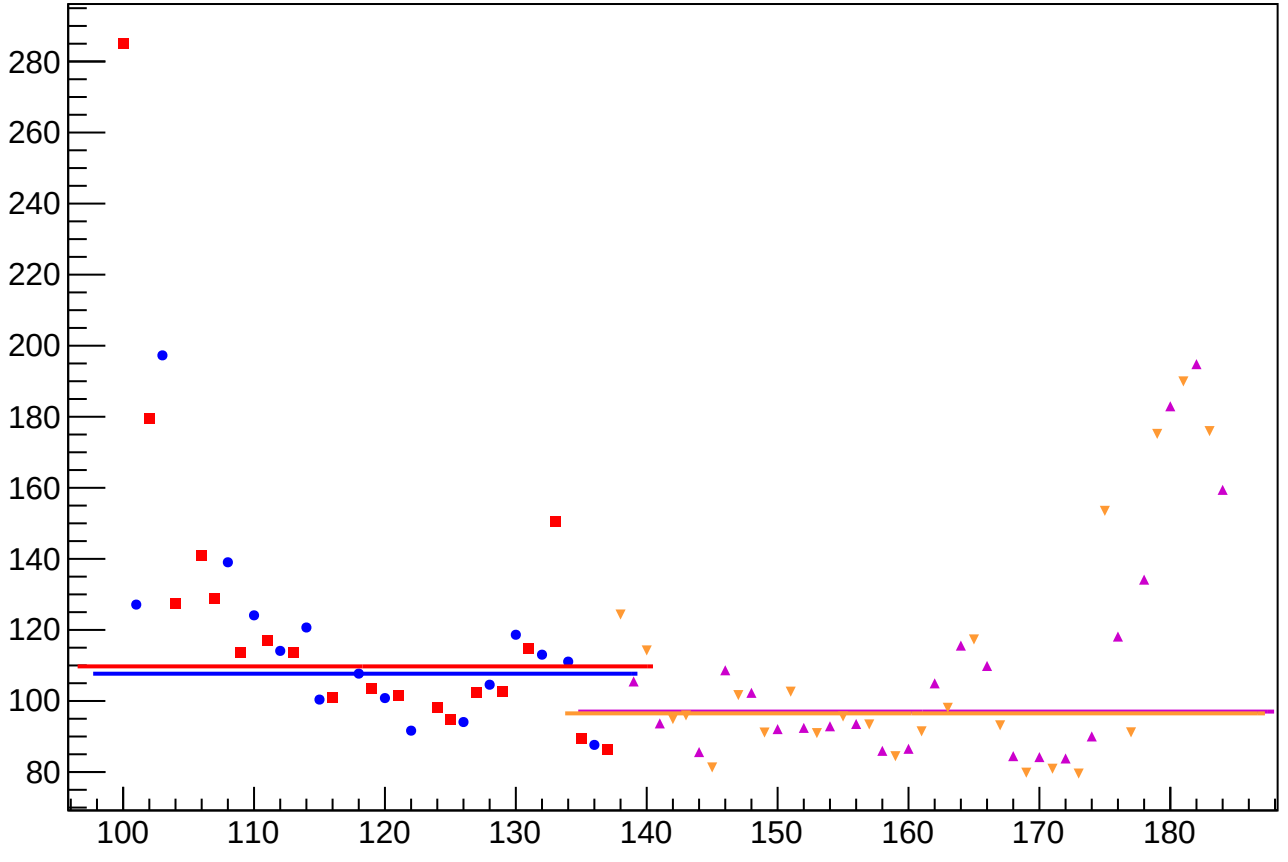
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 30.323+/-20.047 χ^2/NDF: 41.1/39

All: -18.809+/-14.319 χ^2/NDF: 114.9/81

- sign -69.984+/-20.459 χ^2/NDF: 61.6/41

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

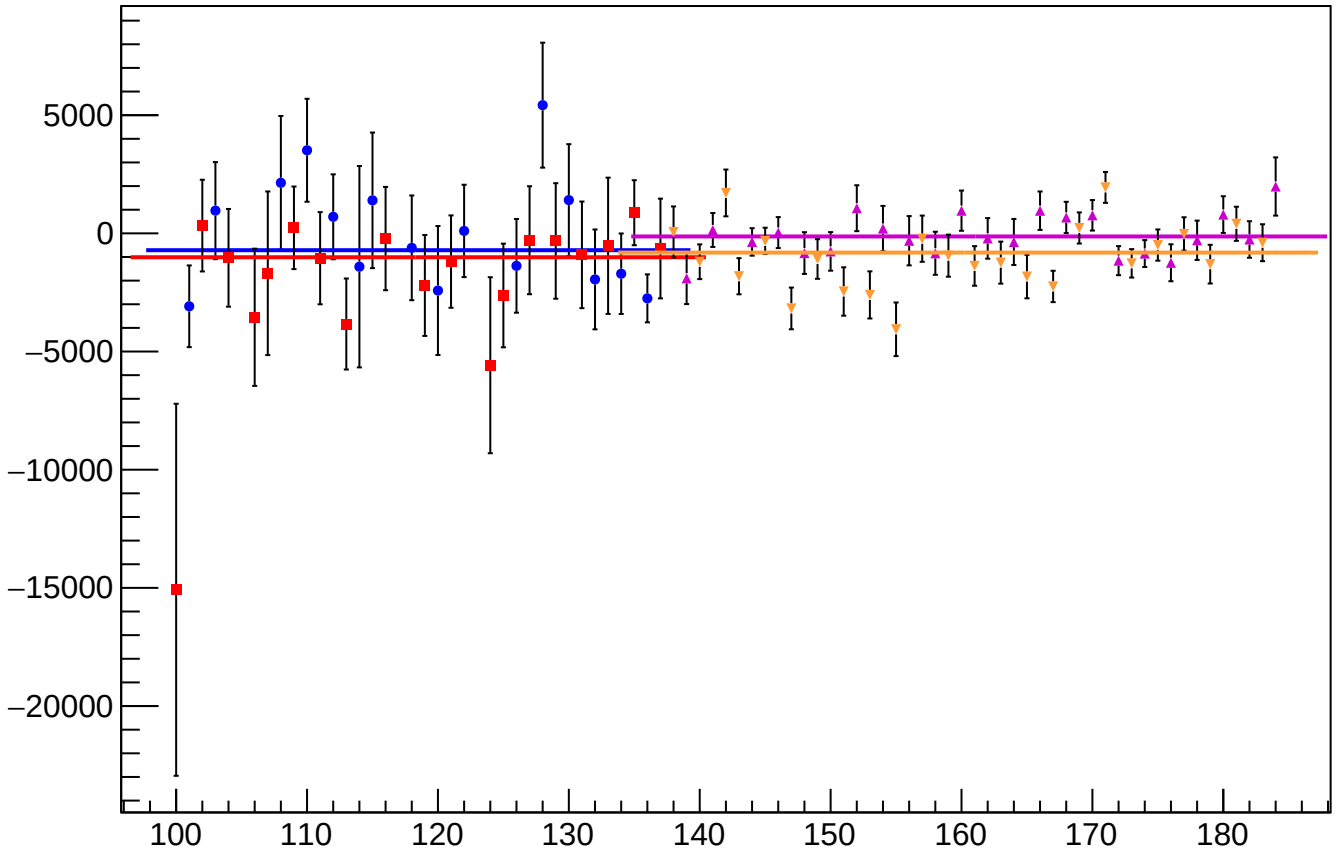
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 99.154+/-0.014 χ^2/NDF: 2275582.3/39

All: 99.620+/-0.010 χ^2/NDF: 4232880.3/81

- sign 100.105+/-0.014 χ^2/NDF: 1955093.4/41



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -813.035+/-159.480 χ^2/NDF:64.0/23

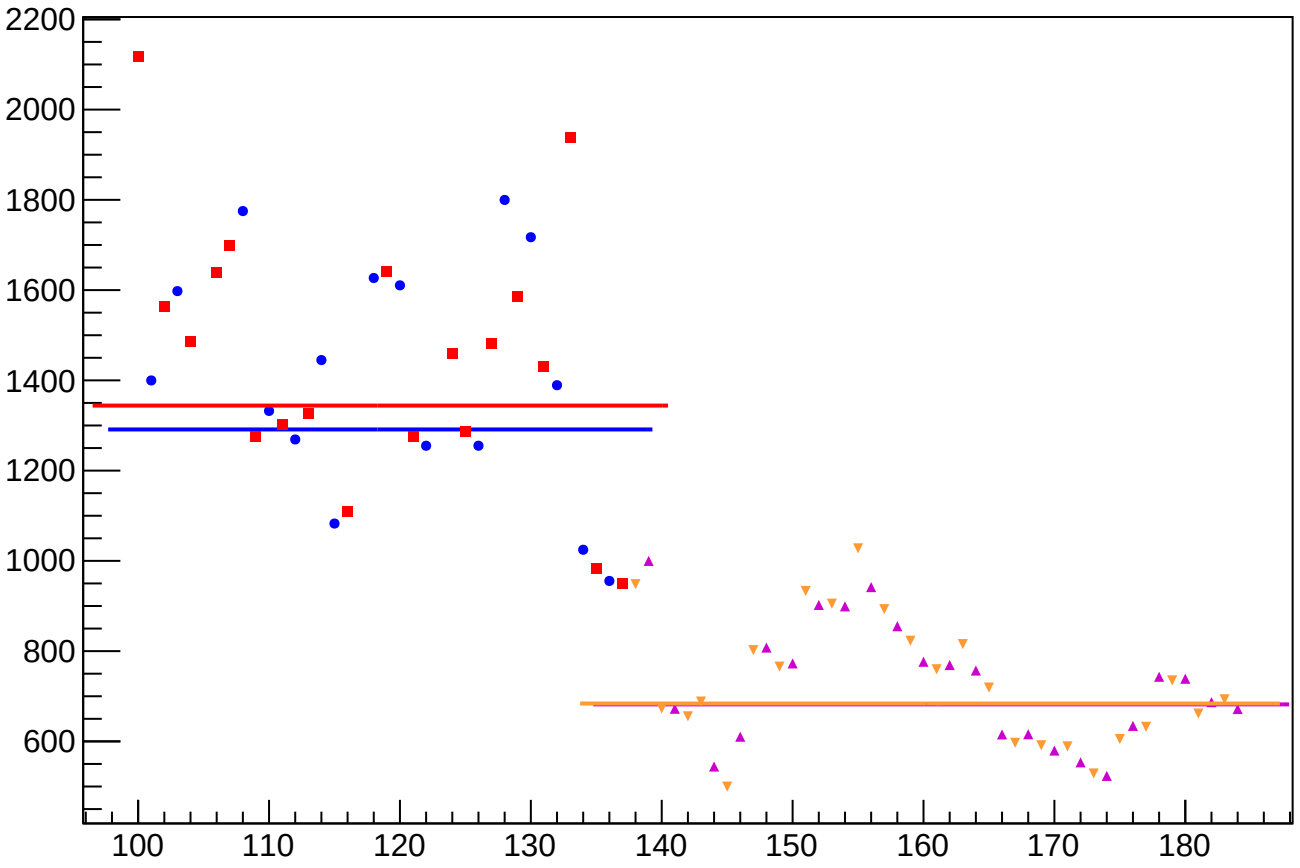
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -803.556+/-151.746 χ^2/NDF: 84.1/39

All: -514.517+/-108.263 χ^2/NDF: 130.3/81

- sign -214.871+/-154.505 χ^2/NDF: 38.8/41



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

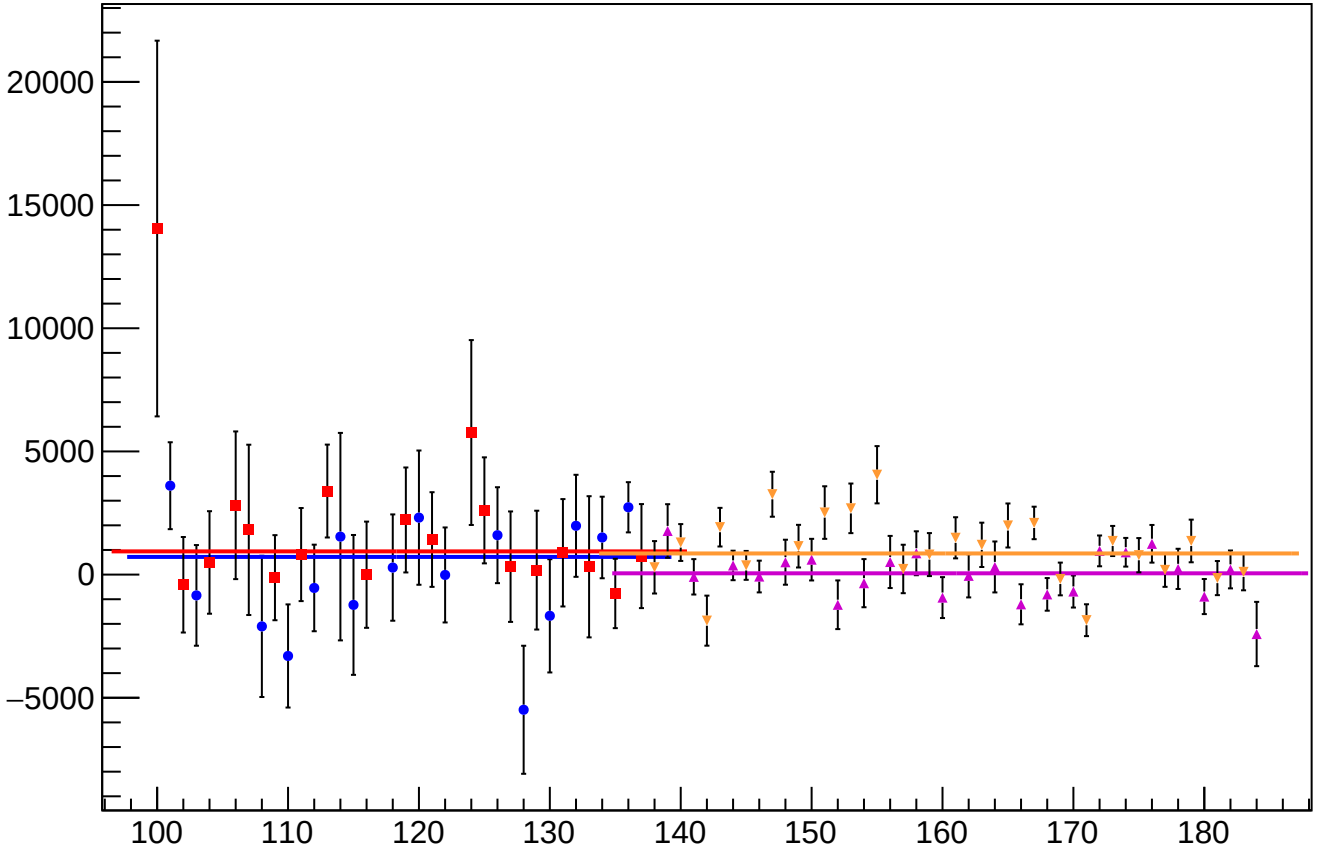
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

\+ sign 741.355+/-0.107 χ^2/NDF: 4653971.6/39

All: 743.067+/-0.077 χ^2/NDF: 9488724.6/81

\- sign 744.842+/-0.109 χ^2/NDF: 4834234.7/41

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

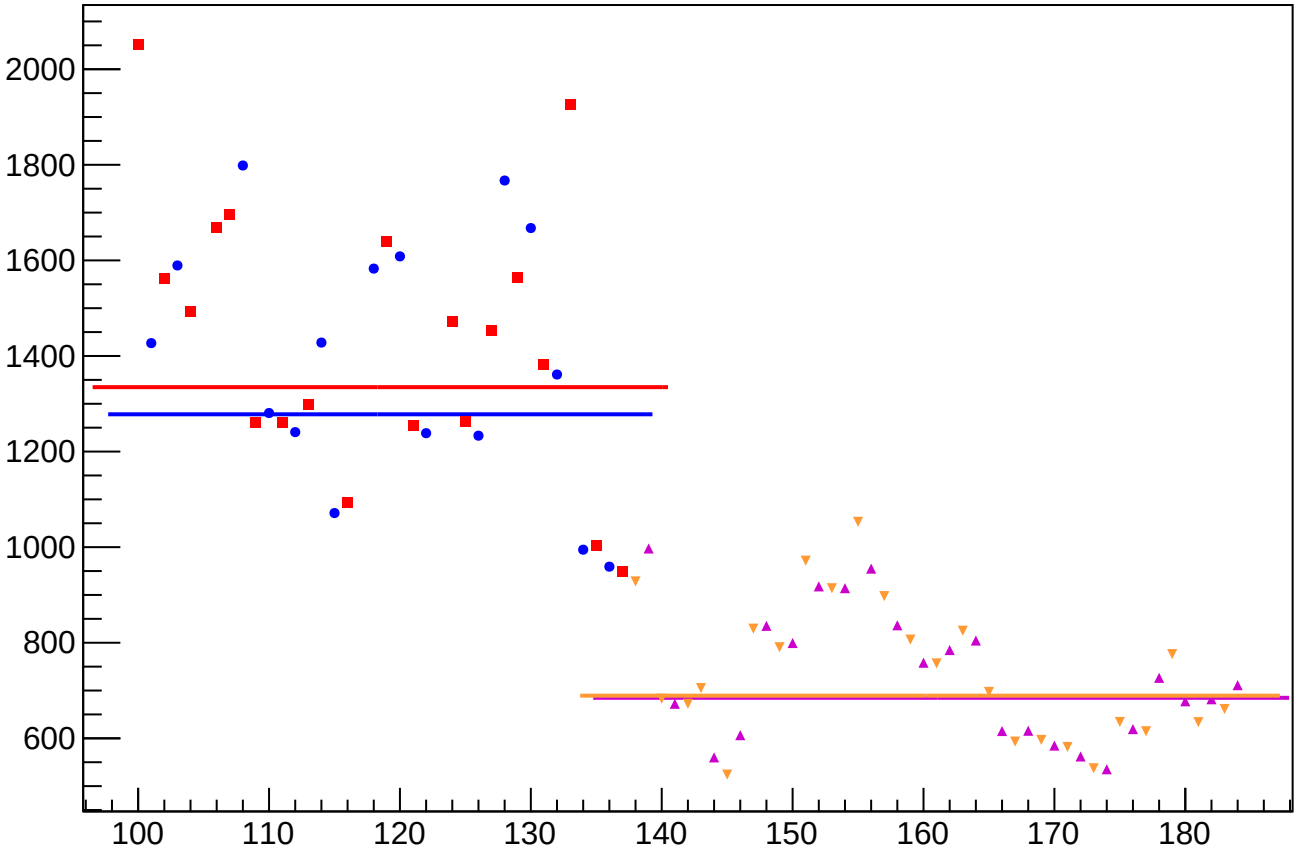
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 844.681+/-152.832 χ^2/NDF: 83.1/39

All: 496.405+/-108.808 χ^2/NDF: 132.5/81

- sign 138.430+/-154.945 χ^2/NDF: 38.8/41

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

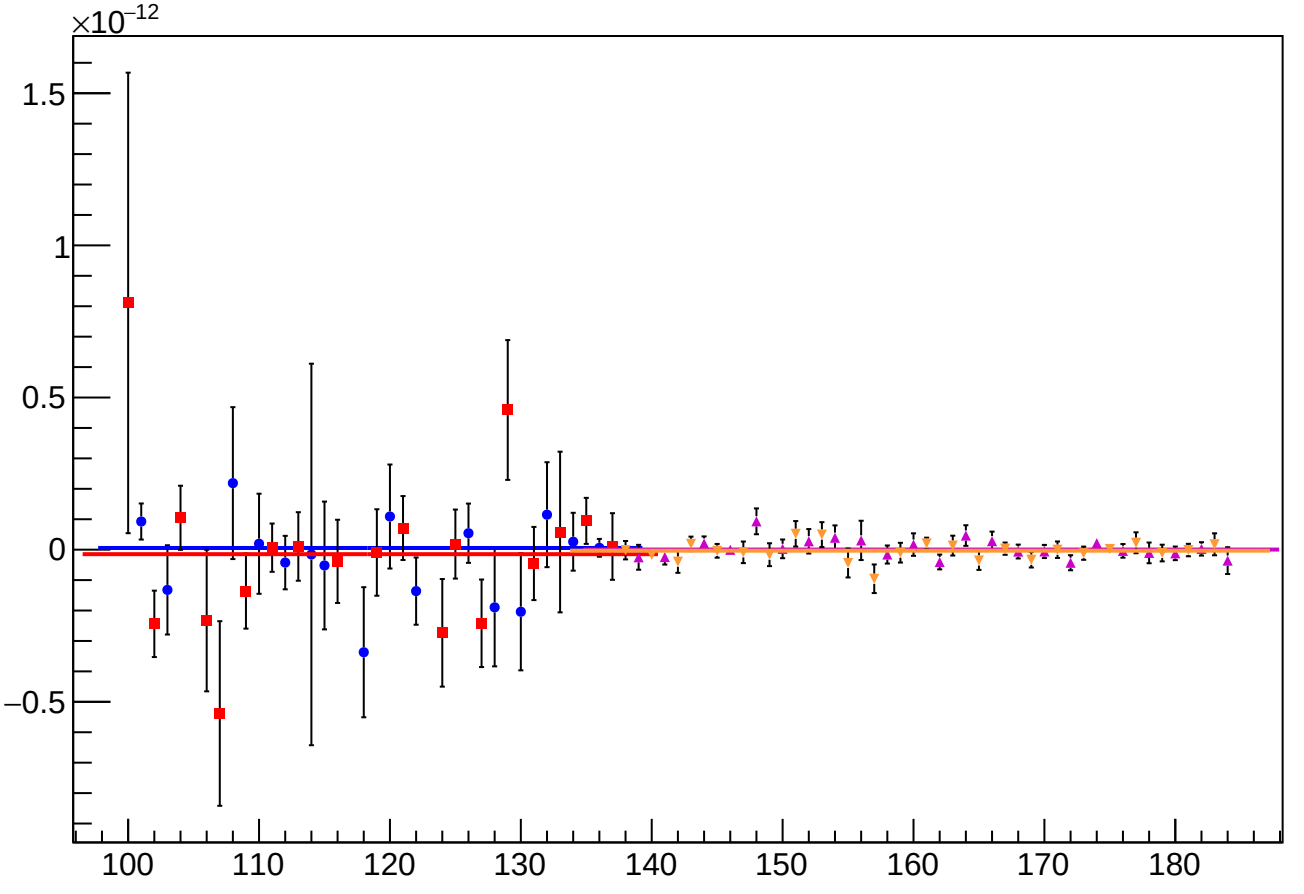
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 746.941+/-0.108 χ^2/NDF: 4508406.7/39

All: 747.303+/-0.077 χ^2/NDF: 9222440.9/81

- sign 747.675+/-0.110 χ^2/NDF: 4714011.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/23

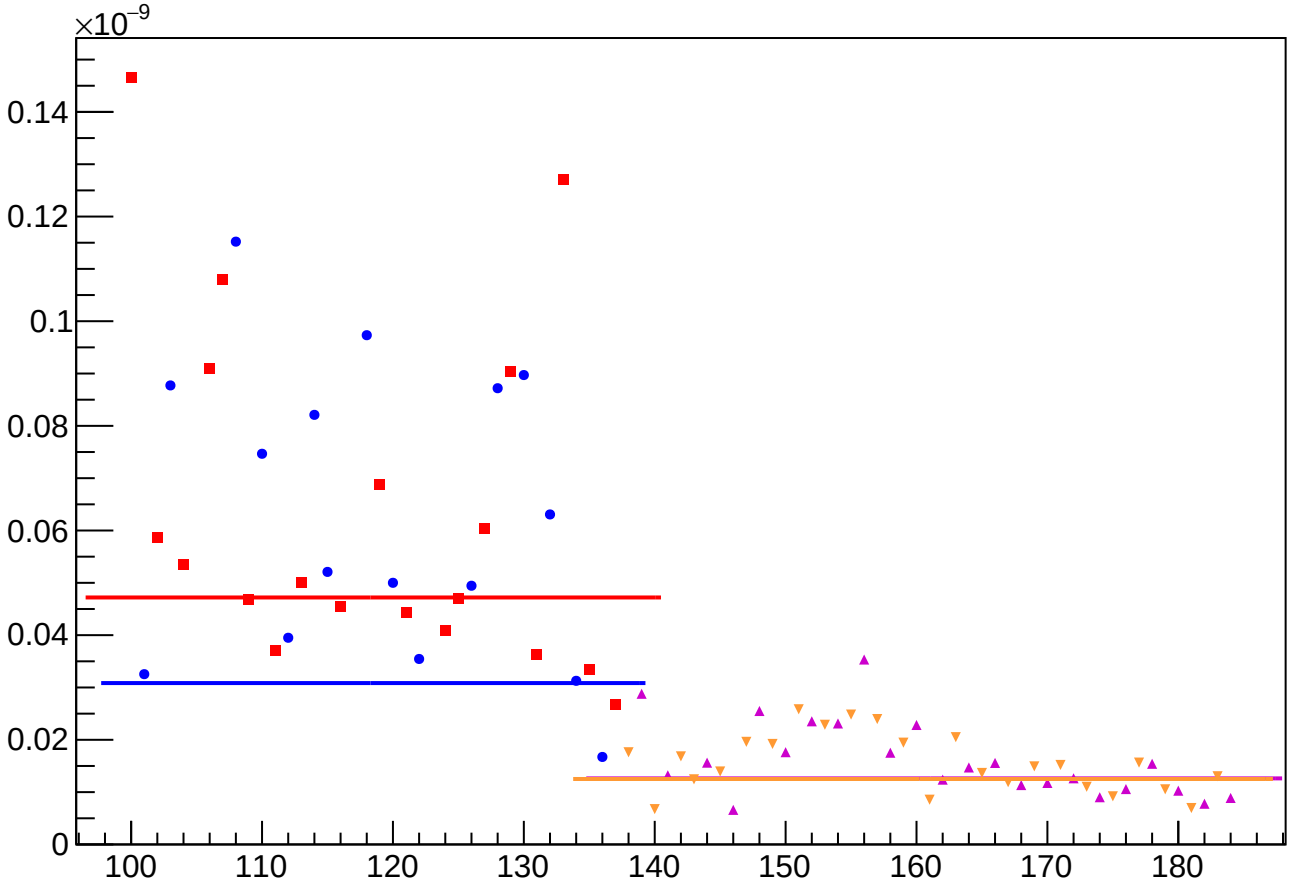
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.3/39

All: -0.000+/-0.000 χ^2/NDF: 73.0/81

- sign -0.000+/-0.000 χ^2/NDF: 44.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1734189.6/23

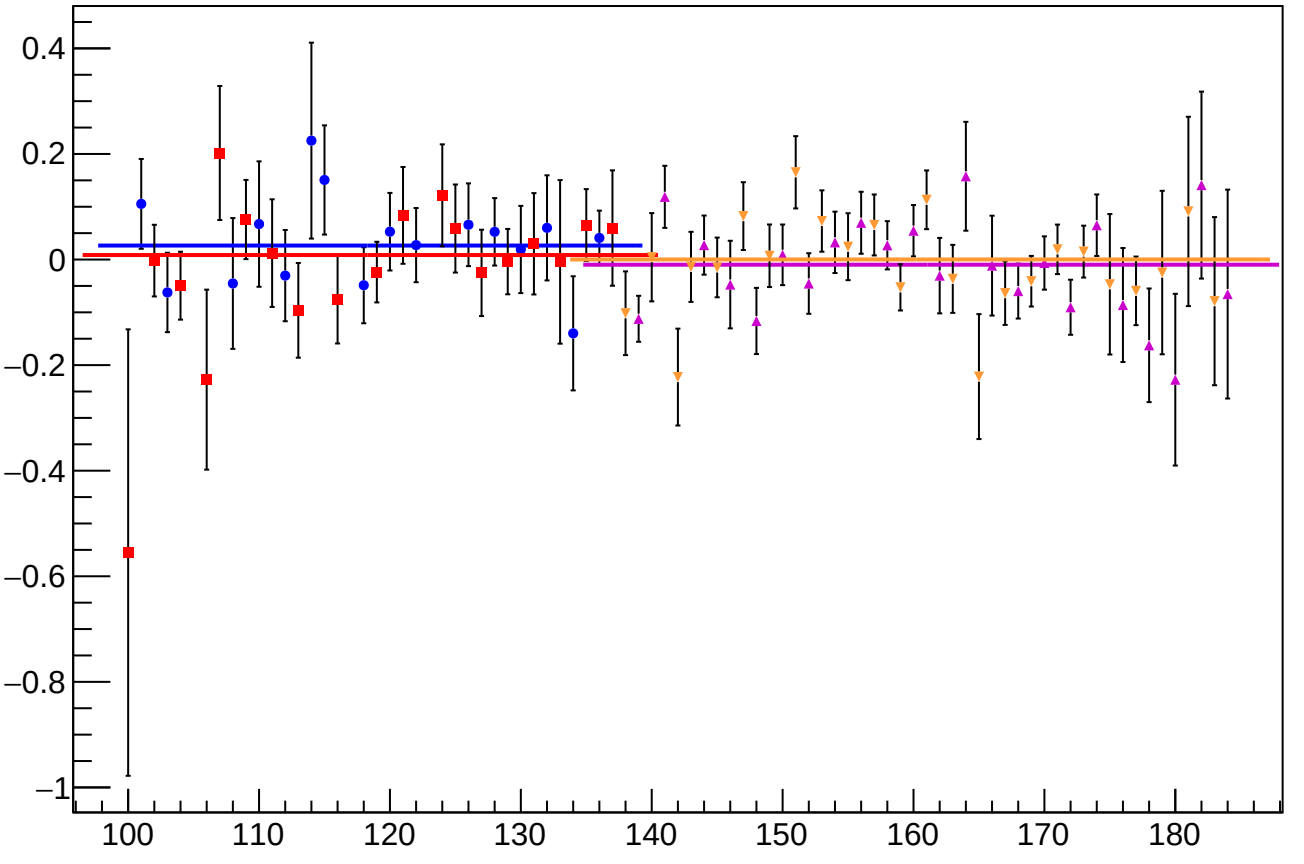
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5011244.9/39

All: 0.000+/-0.000 χ^2/NDF: 10516259.0/81

- sign 0.000+/-0.000 χ^2/NDF: 5501940.1/41



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

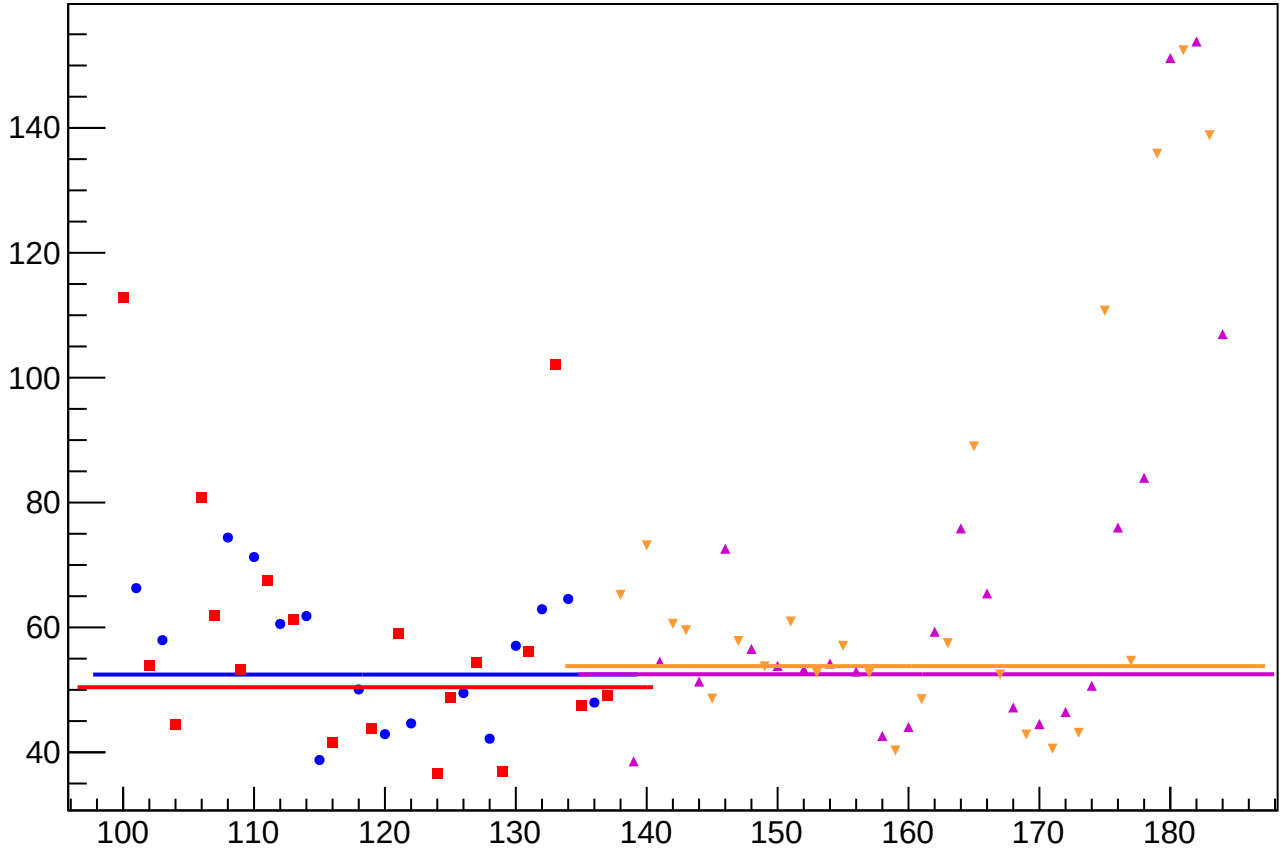
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.3/39

All: 0.002+/-0.008 χ^2/NDF: 89.3/81

- sign -0.004+/-0.011 χ^2/NDF: 46.5/41

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081845.8/23

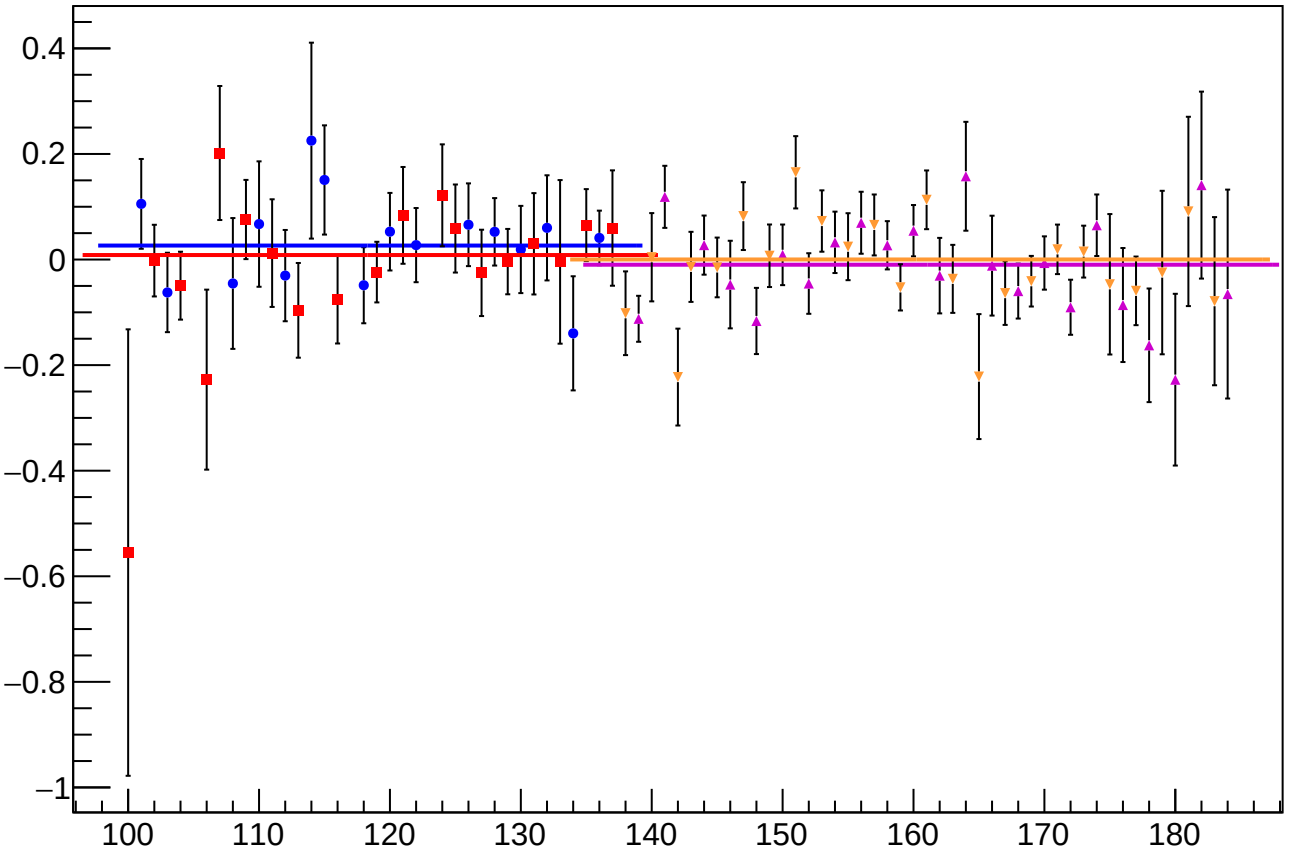
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.402+/-0.008 χ^2/NDF: 3506047.7/39

All: 52.612+/-0.006 χ^2/NDF: 6776061.0/81

- sign 51.846+/-0.008 χ^2/NDF: 3250111.7/41



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.2/23

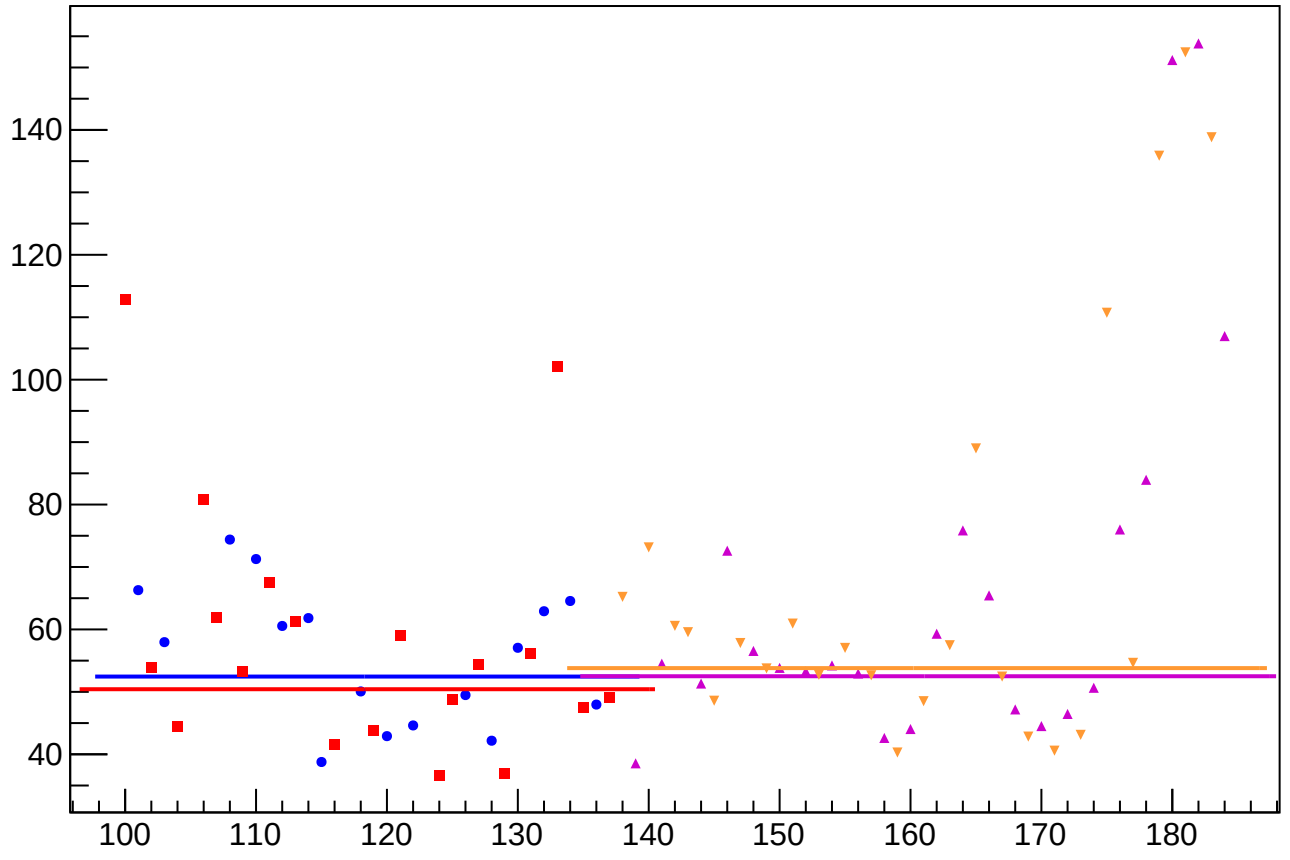
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.3/39

All: 0.002+/-0.008 χ^2/NDF: 89.3/81

- sign -0.004+/-0.011 χ^2/NDF: 46.5/41



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081845.8/23

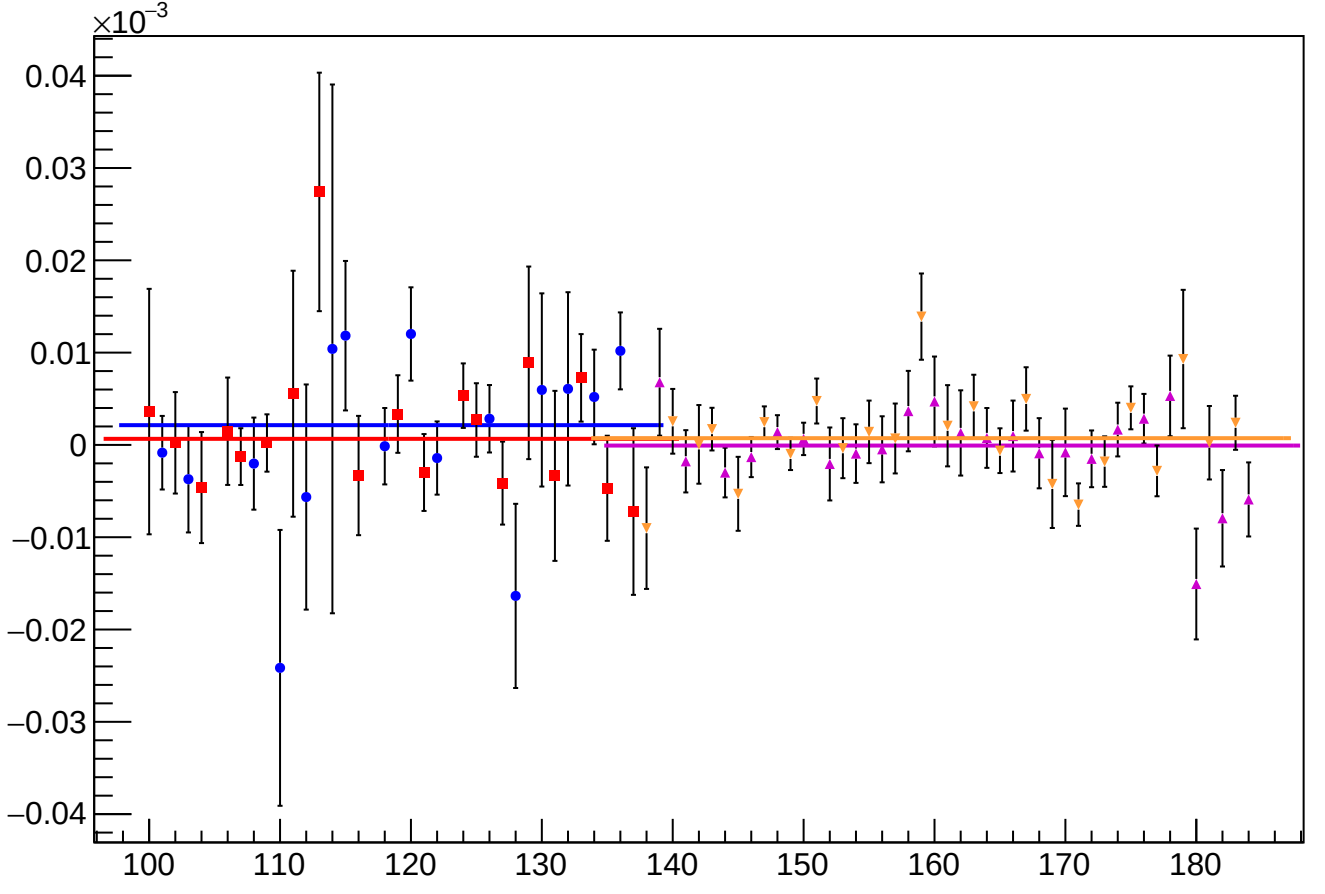
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.402+/-0.008 χ^2/NDF: 3506047.7/39

All: 52.612+/-0.006 χ^2/NDF: 6776061.0/81

- sign 51.846+/-0.008 χ^2/NDF: 3250111.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.7/23

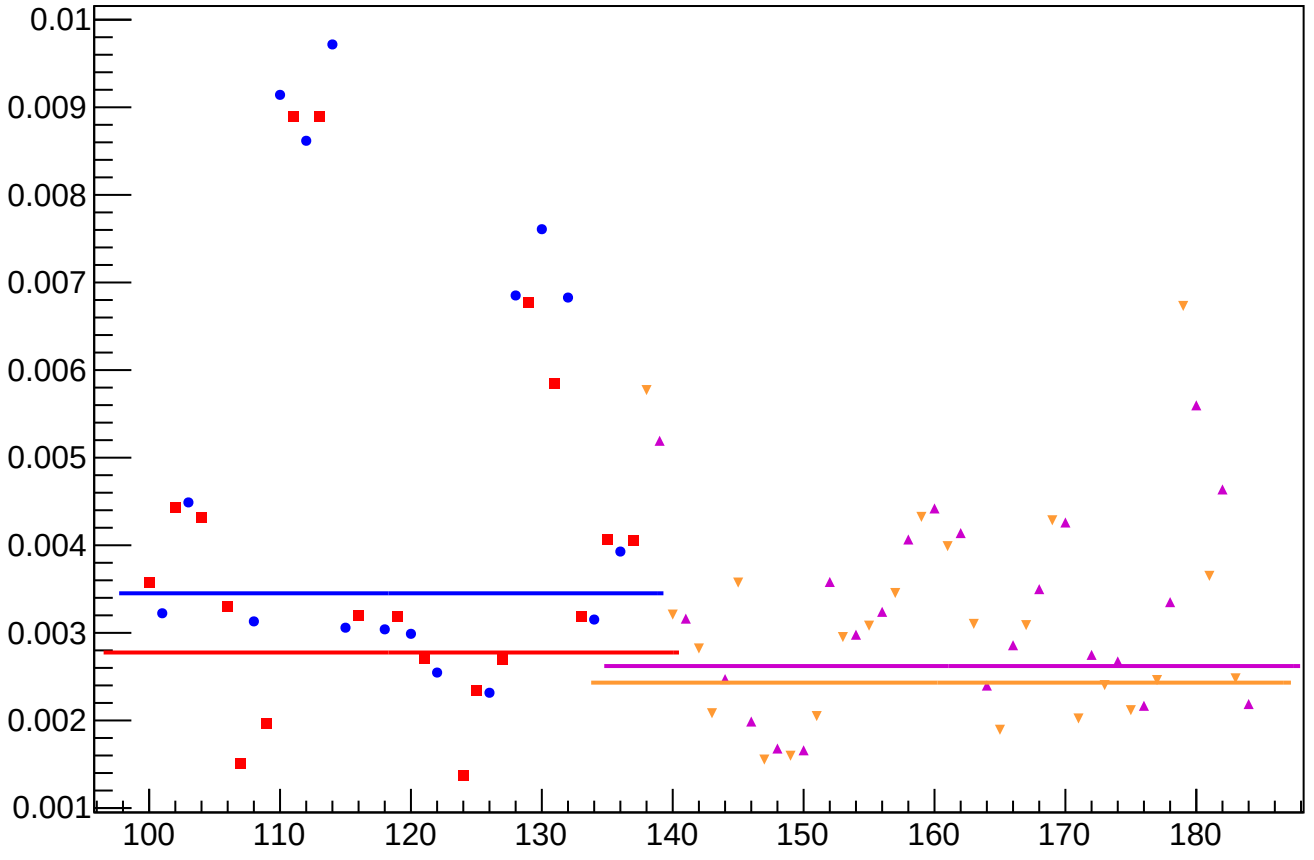
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/39

All: 0.000+/-0.000 χ^2/NDF: 95.1/81

- sign 0.000+/-0.000 χ^2/NDF: 35.3/41



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4216910.8/23

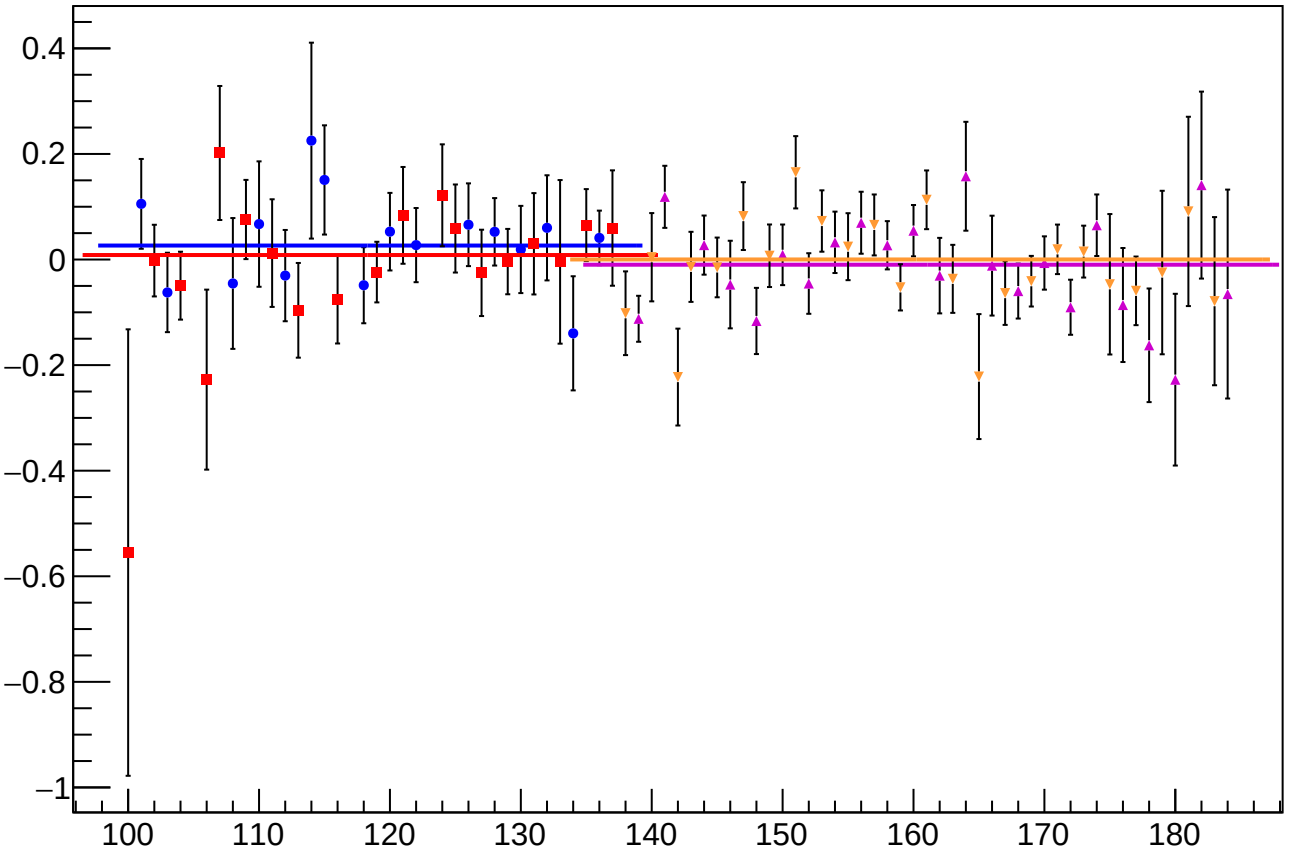
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 7082325.1/39

All: 0.003+/-0.000 χ^2/NDF: 13814878.0/81

- sign 0.003+/-0.000 χ^2/NDF: 6717480.3/41



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.2/23

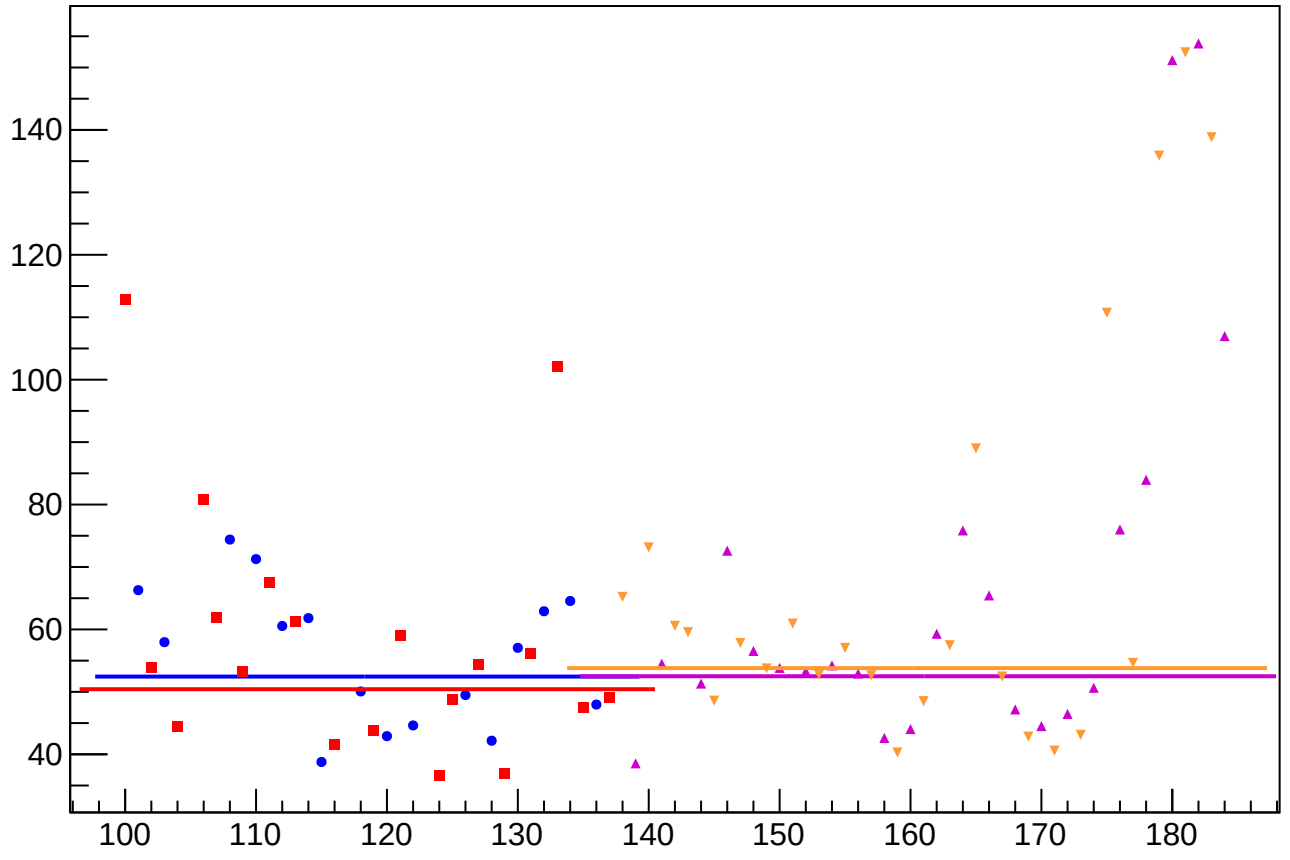
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.3/39

All: 0.002+/-0.008 χ^2/NDF: 89.3/81

- sign -0.004+/-0.011 χ^2/NDF: 46.5/41



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081867.5/23

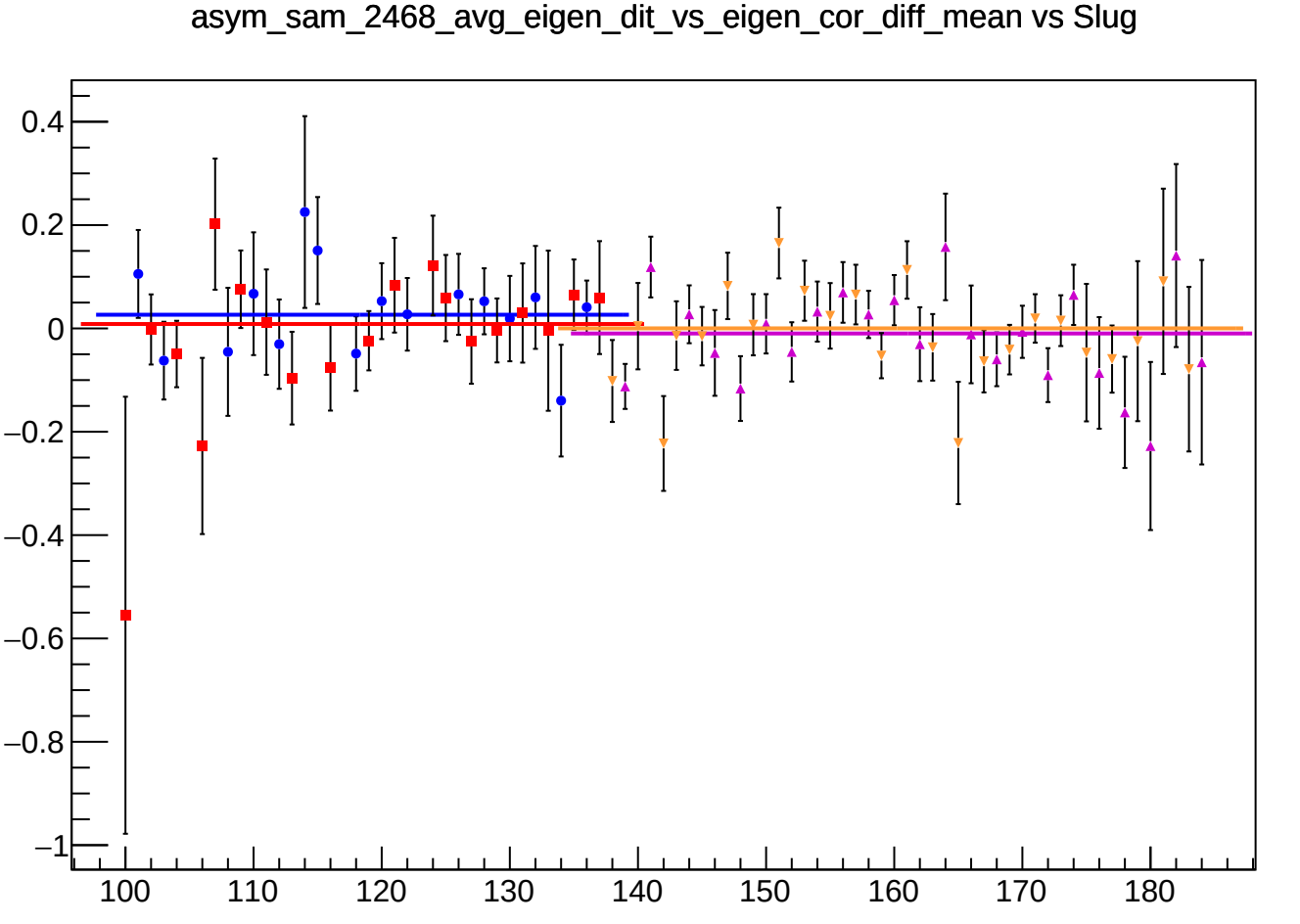
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.402+/-0.008 χ^2/NDF: 3506036.0/39

All: 52.611+/-0.006 χ^2/NDF: 6776120.7/81

- sign 51.846+/-0.008 χ^2/NDF: 3250181.4/41



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.2/23

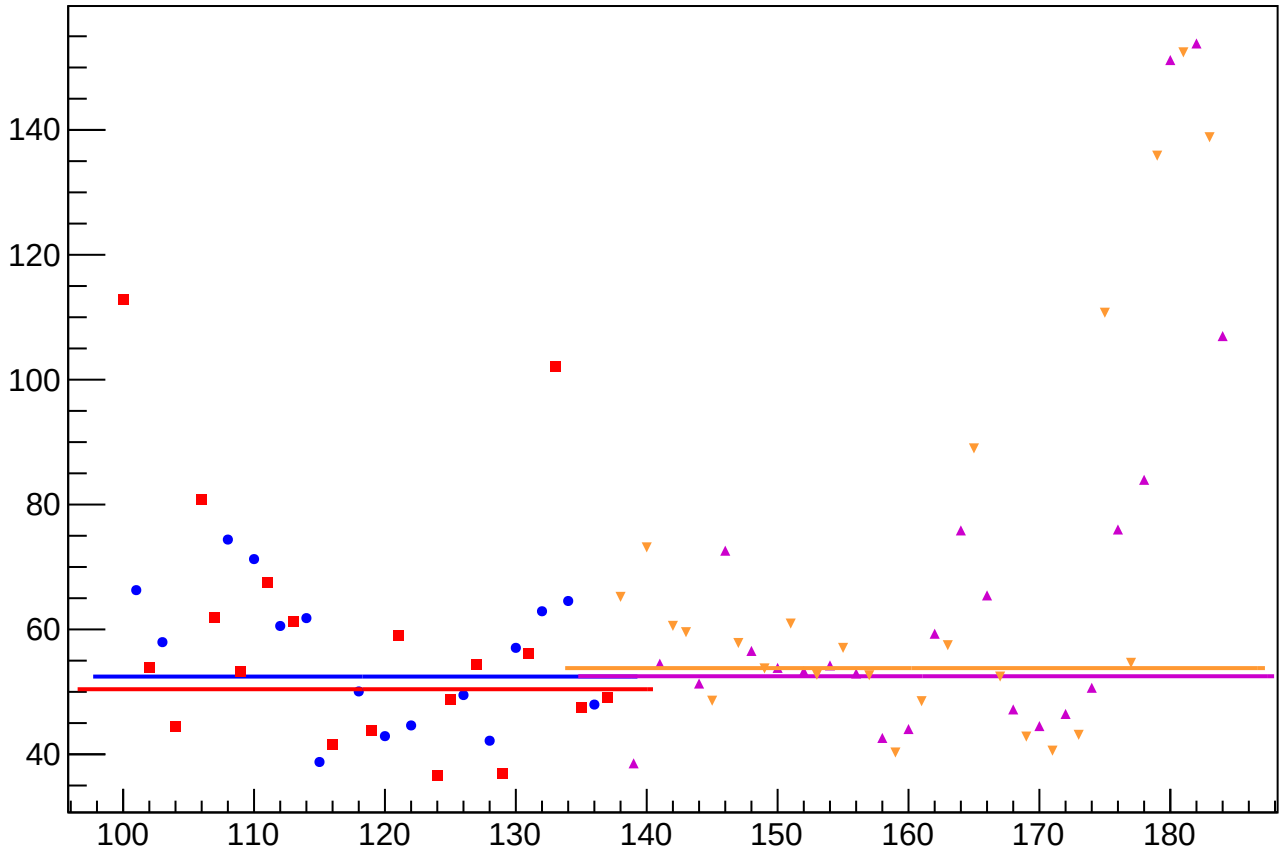
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.3/39

All: 0.002+/-0.008 χ^2/NDF: 89.3/81

- sign -0.004+/-0.011 χ^2/NDF: 46.5/41



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.804+/-0.009 χ^2/NDF:3081867.5/23

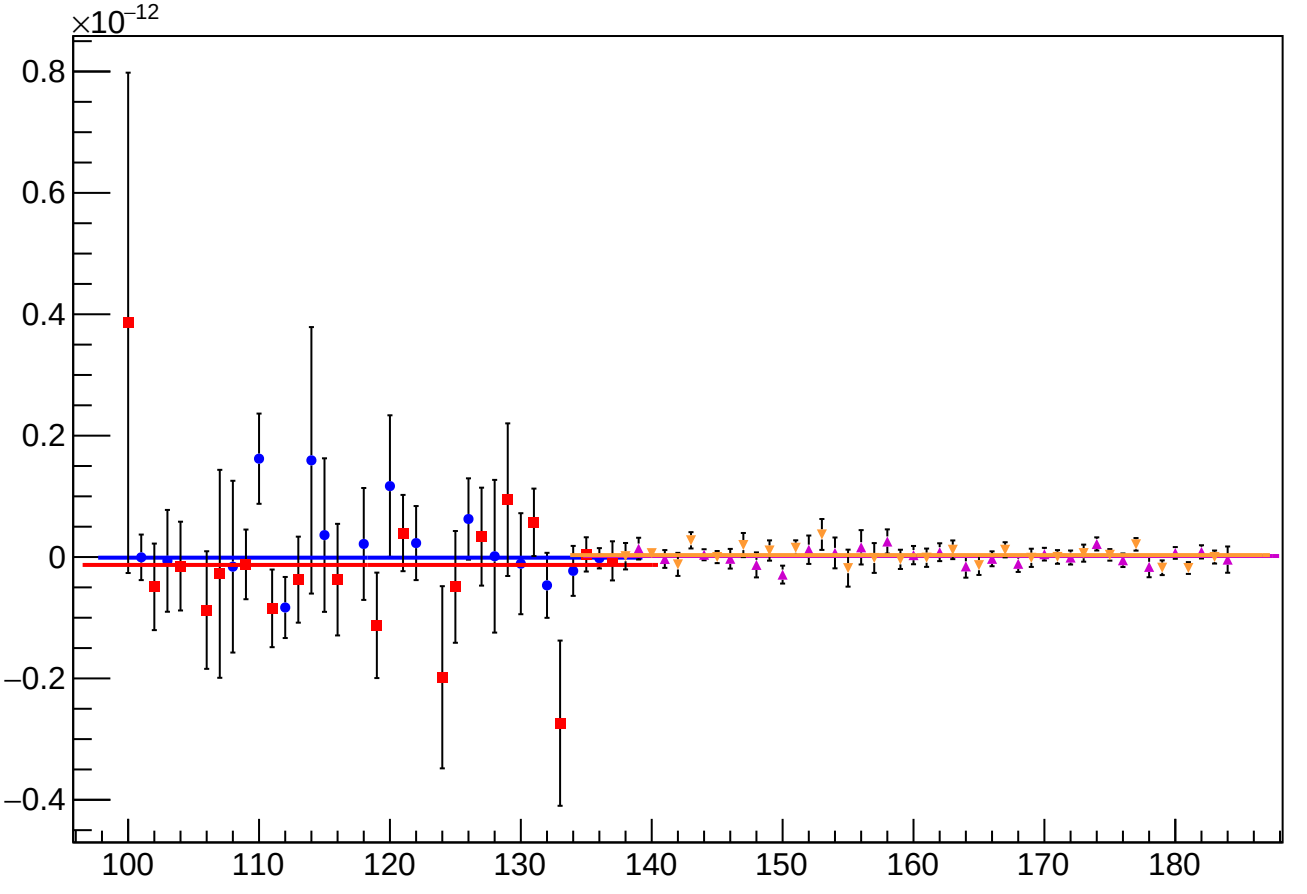
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.402+/-0.008 χ^2/NDF: 3506036.0/39

All: 52.611+/-0.006 χ^2/NDF: 6776120.7/81

- sign 51.846+/-0.008 χ^2/NDF: 3250181.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/23

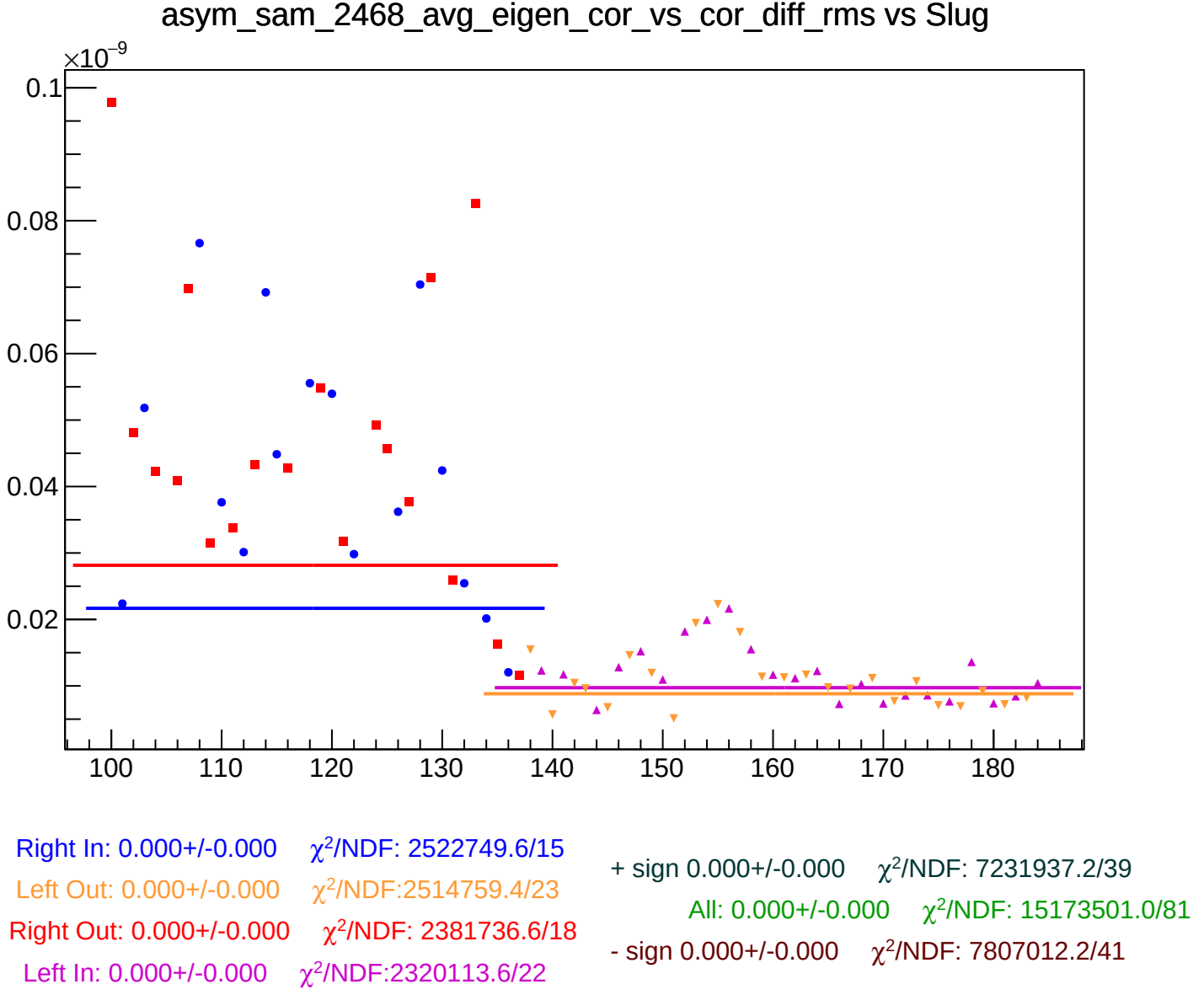
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

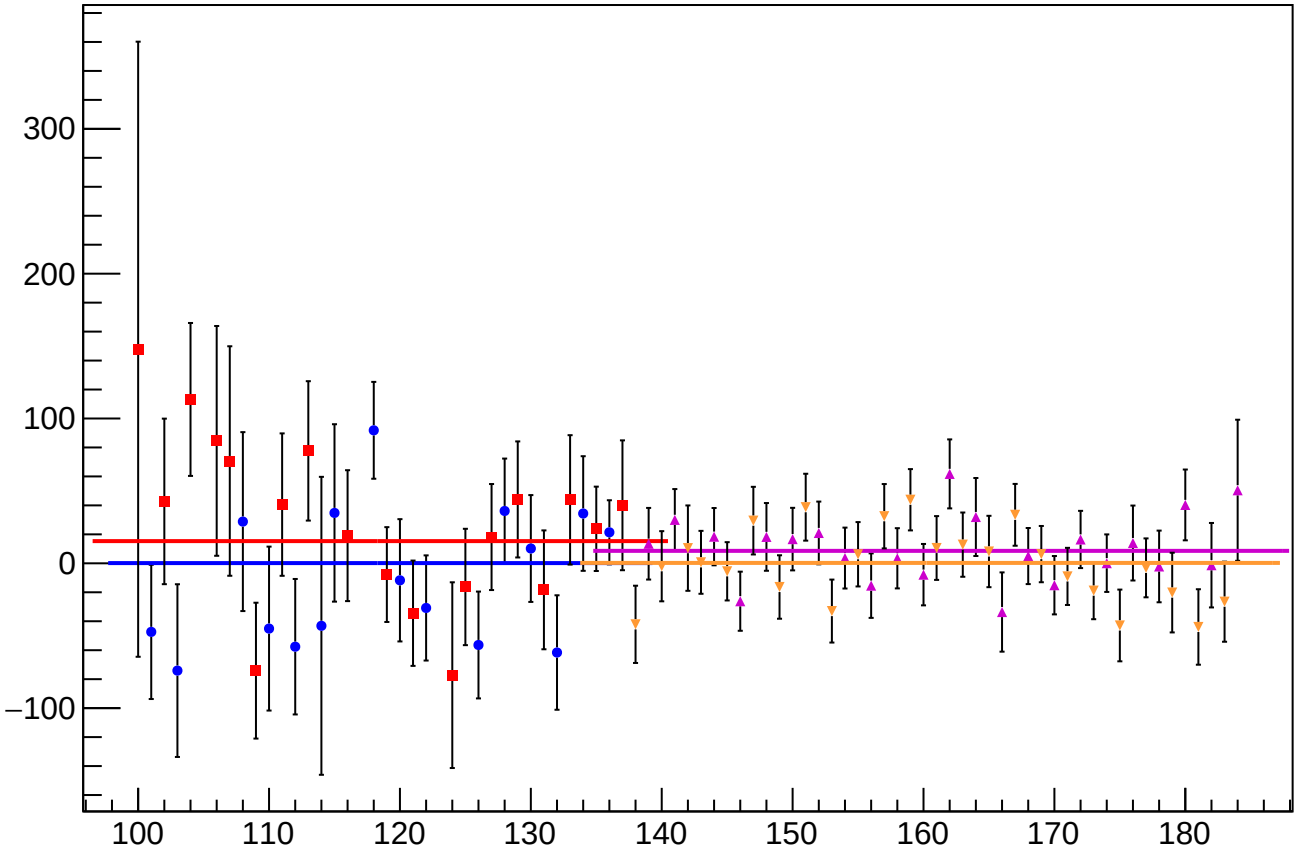
+ sign 0.000+/-0.000 χ^2/NDF: 32.9/39

All: 0.000+/-0.000 χ^2/NDF: 63.1/81

- sign 0.000+/-0.000 χ^2/NDF: 29.9/41


asym_sam_2468_avg_eigen_cor_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: 2522749.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2514759.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 2381736.6/18
Left In: 0.000+/-0.000 χ²/NDF:2320113.6/22
+ sign 0.000+/-0.000 χ²/NDF: 7231937.2/39
All: 0.000+/-0.000 χ²/NDF: 15173501.0/81
- sign 0.000+/-0.000 χ²/NDF: 7807012.2/41

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

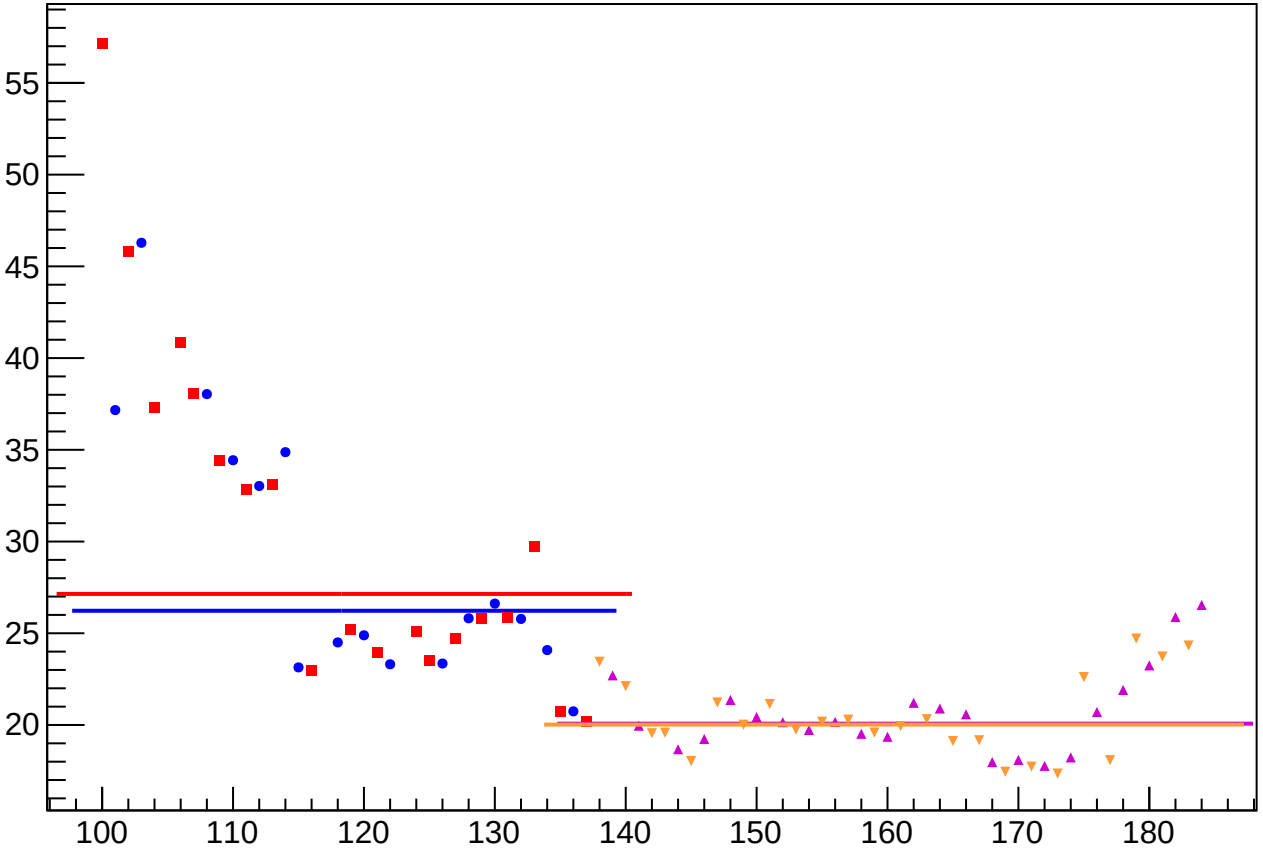
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.257+/-4.195 χ^2/NDF: 49.5/39

All: 4.909+/-3.000 χ^2/NDF: 89.7/81

- sign 9.776+/-4.291 χ^2/NDF: 37.7/41

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

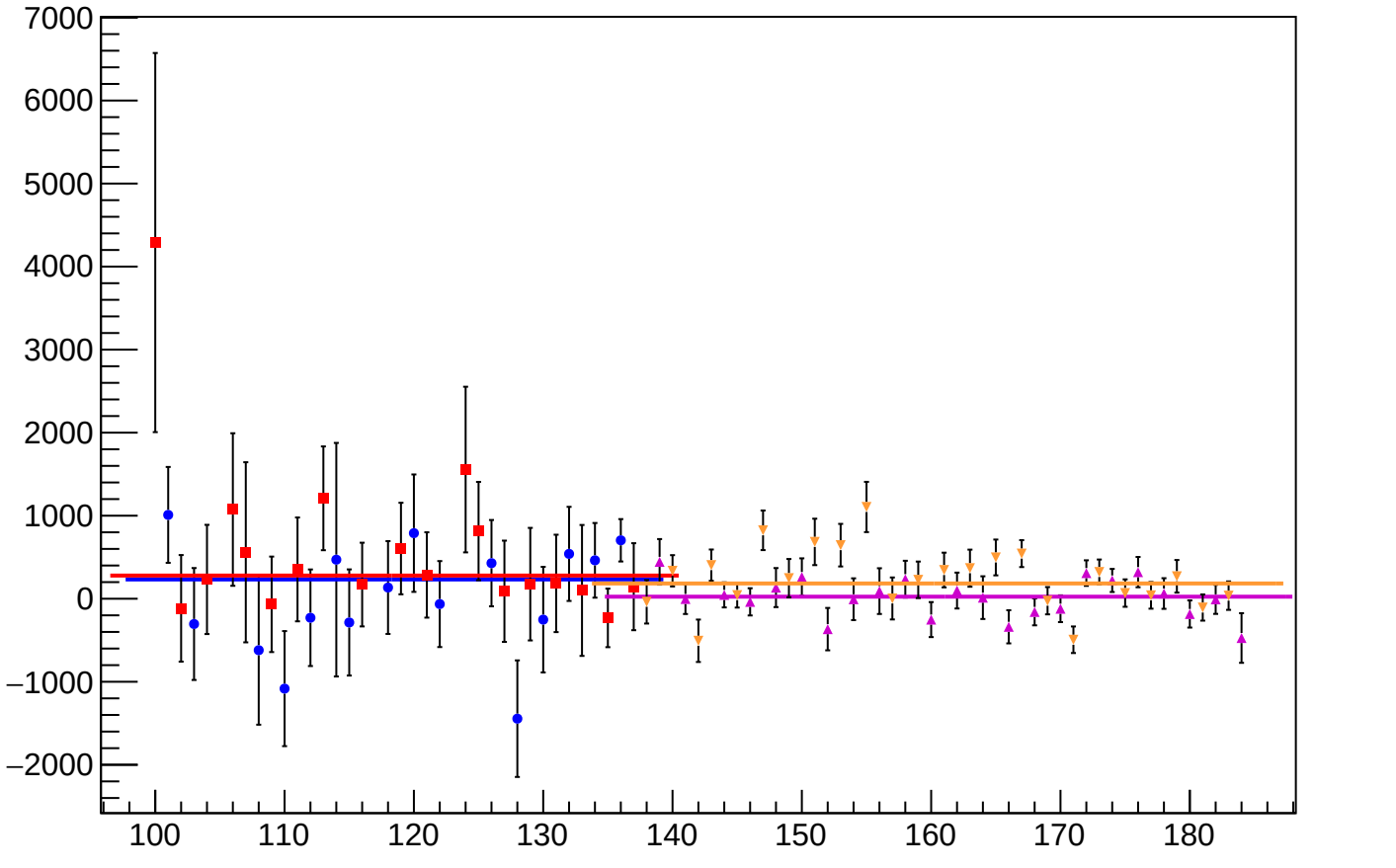
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.103+/-0.003 χ^2/NDF: 1678550.0/39

All: 21.203+/-0.002 χ^2/NDF: 3521364.2/81

- sign 21.308+/-0.003 χ^2/NDF: 1840481.7/41



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 183.910+/-39.494 χ^2/NDF:68.8/23

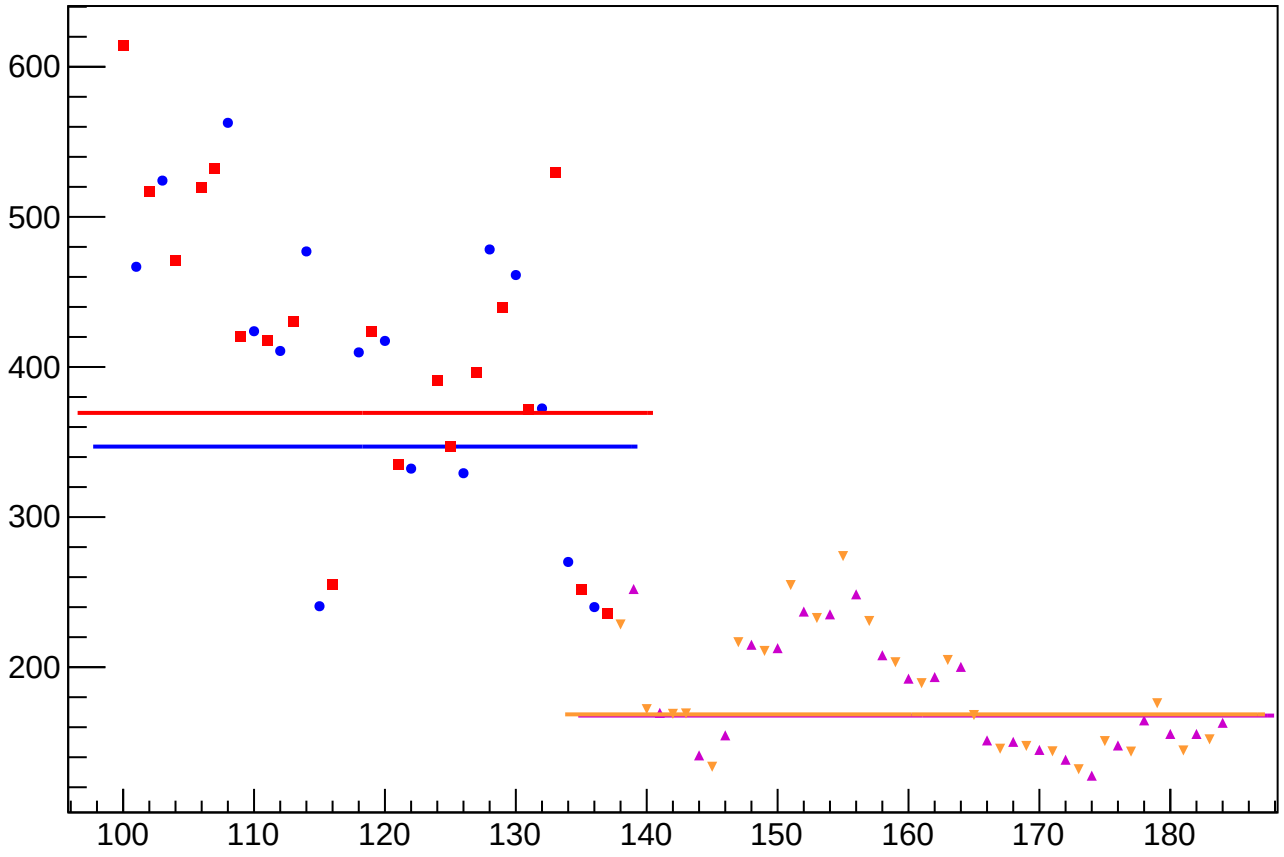
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

\+ sign 187.715+/-37.902 χ^2/NDF: 88.5/39

All: 116.958+/-27.018 χ^2/NDF: 137.7/81

\- sign 43.865+/-38.523 χ^2/NDF: 42.0/41



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

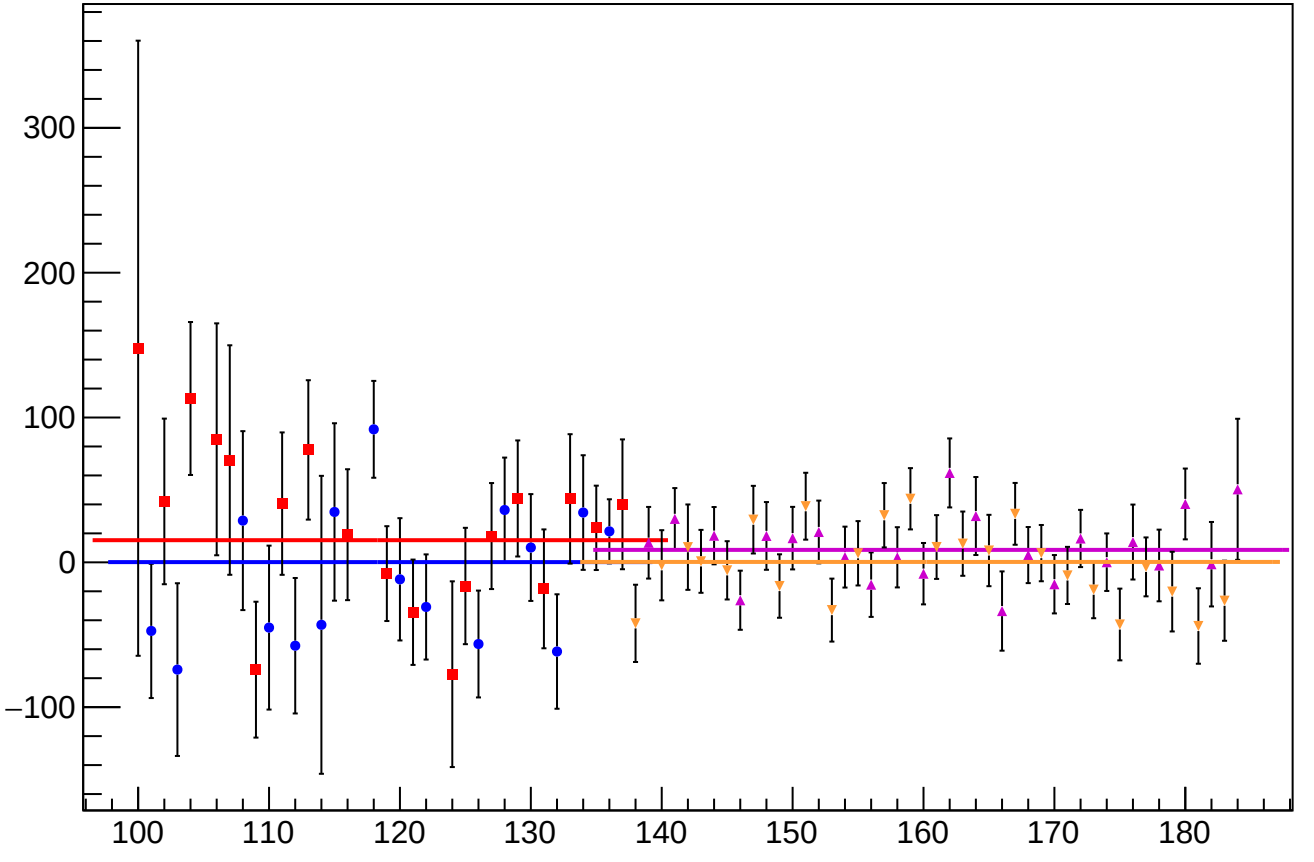
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 182.647+/-0.027 χ^2/NDF: 5822826.6/39

All: 182.832+/-0.019 χ^2/NDF: 11982218.0/81

- sign 183.024+/-0.027 χ^2/NDF: 6159293.6/41

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

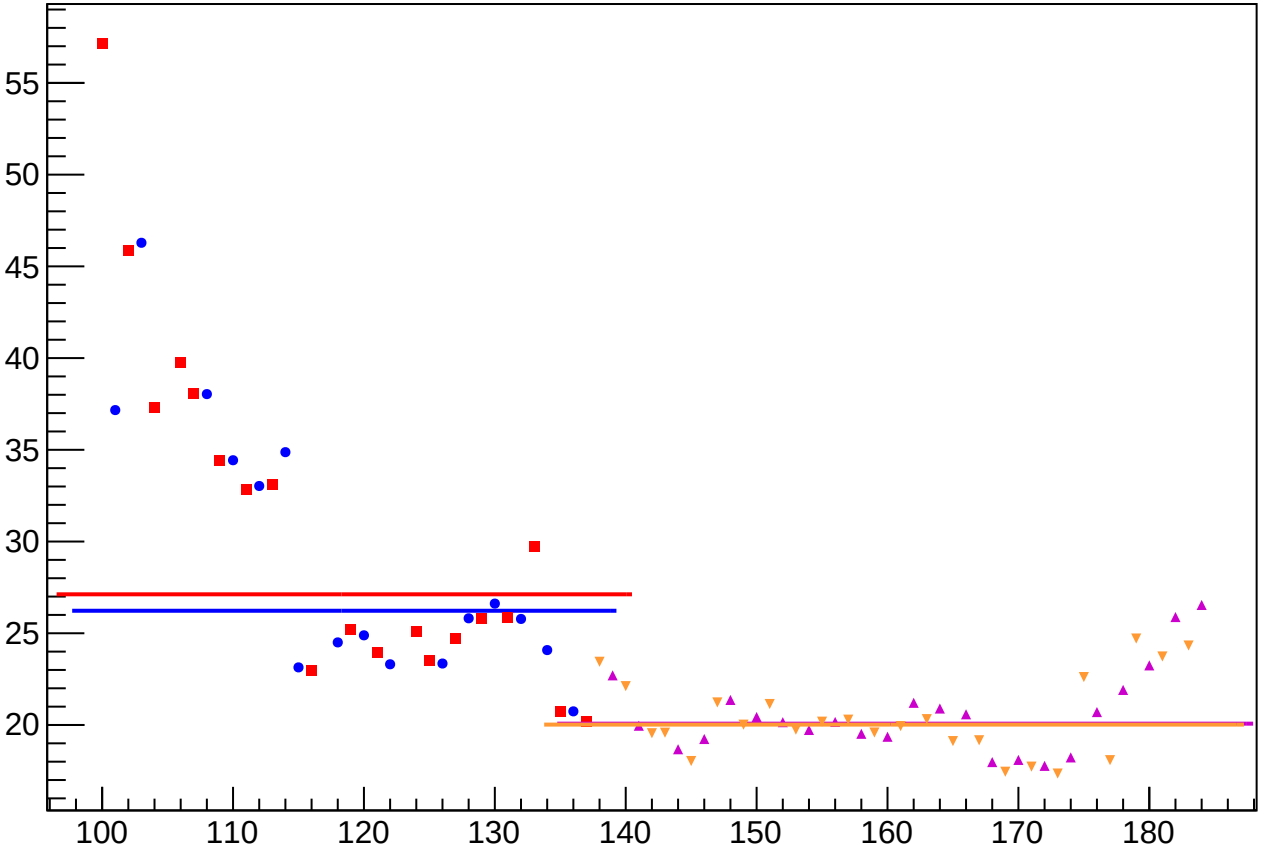
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.257+/-4.195 χ^2/NDF: 49.5/39

All: 4.905+/-3.000 χ^2/NDF: 89.7/81

- sign 9.769+/-4.291 χ^2/NDF: 37.6/41

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

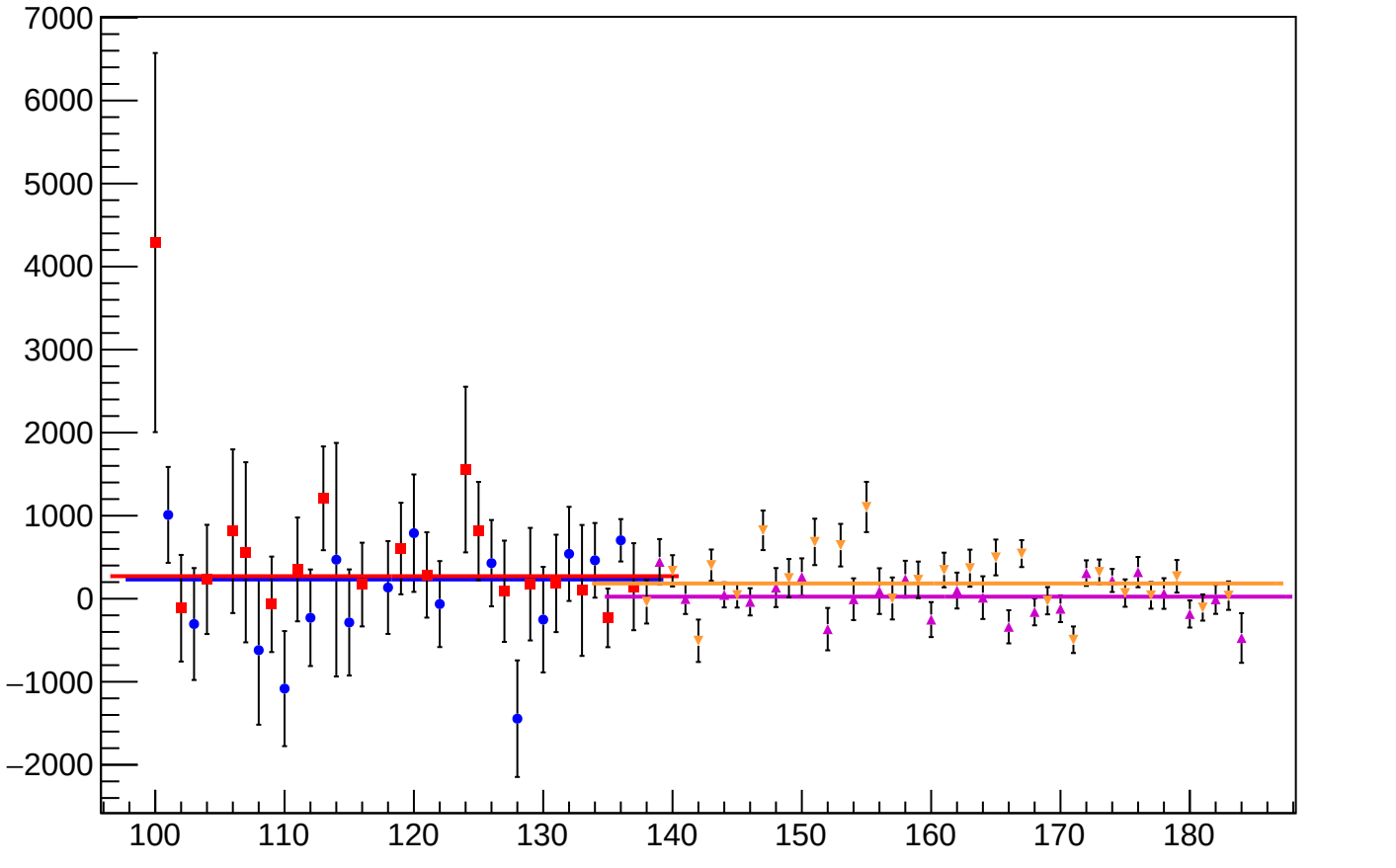
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.103+/-0.003 χ^2/NDF: 1678553.3/39

All: 21.201+/-0.002 χ^2/NDF: 3506469.2/81

- sign 21.304+/-0.003 χ^2/NDF: 1825677.2/41



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 183.908+/-39.494 χ^2/NDF:68.8/23

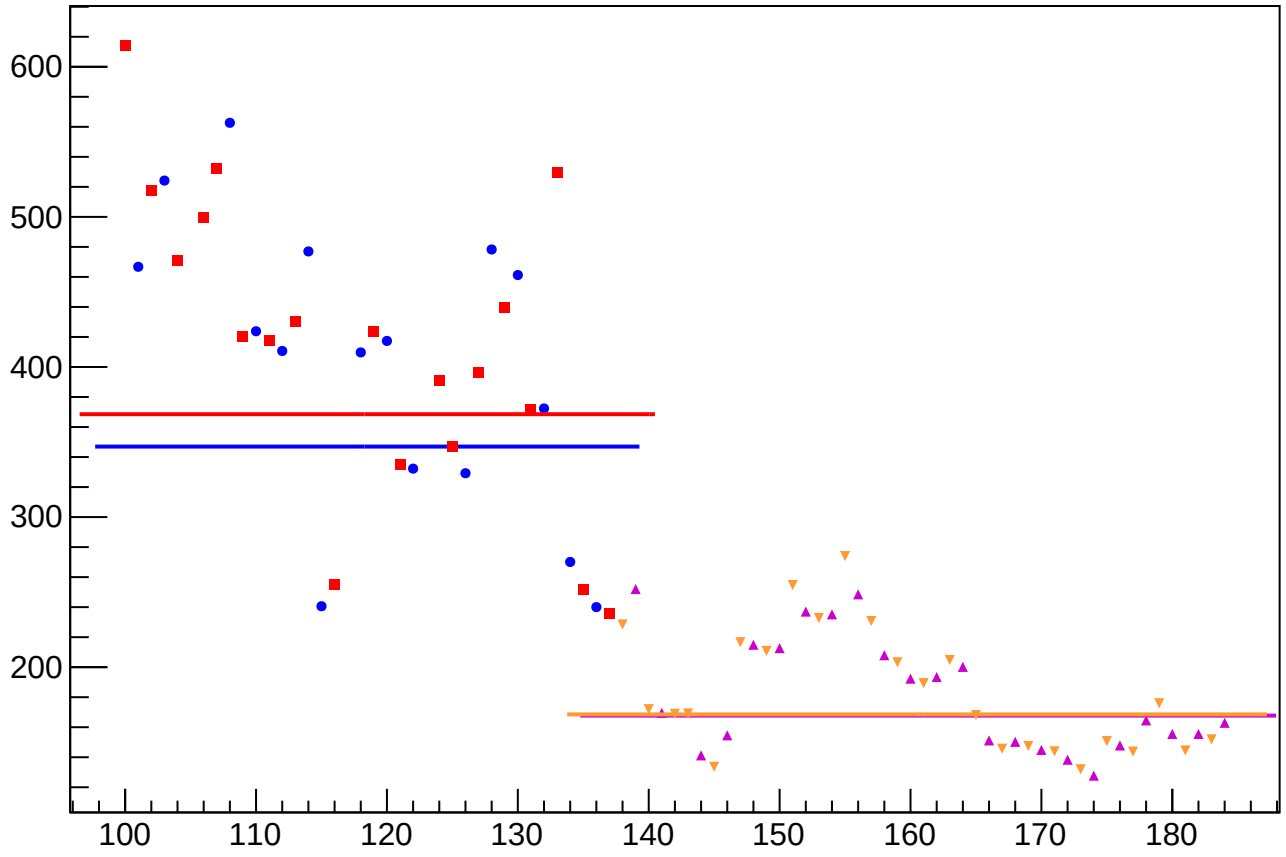
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 187.713+/-37.902 χ^2/NDF: 88.5/39

All: 116.655+/-27.019 χ^2/NDF: 137.1/81

- sign 43.234+/-38.527 χ^2/NDF: 41.4/41



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 168.556+/-0.028 χ^2/NDF:1541380.6/23

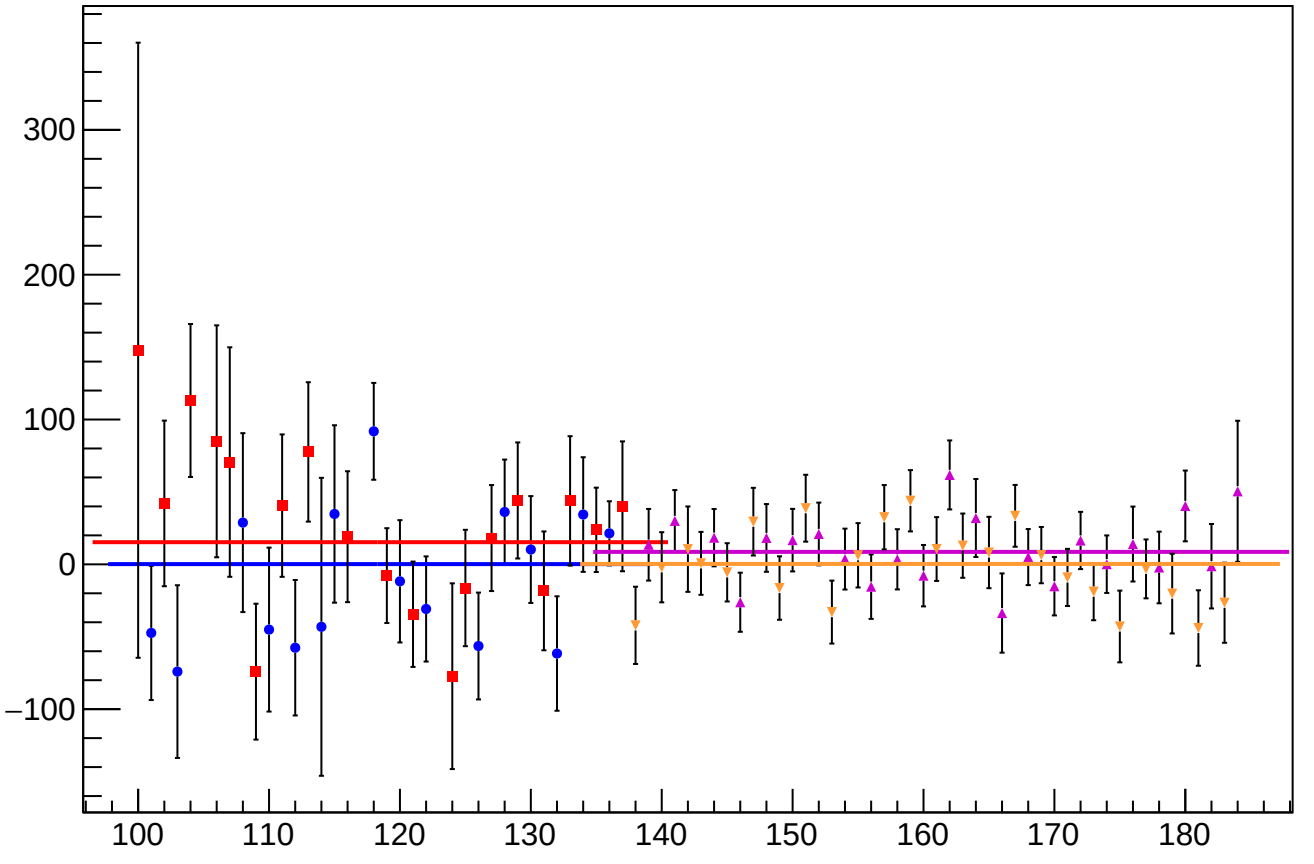
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 182.646+/-0.027 χ^2/NDF: 5822851.5/39

All: 182.779+/-0.019 χ^2/NDF: 11919721.3/81

- sign 182.915+/-0.027 χ^2/NDF: 6096820.3/41



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

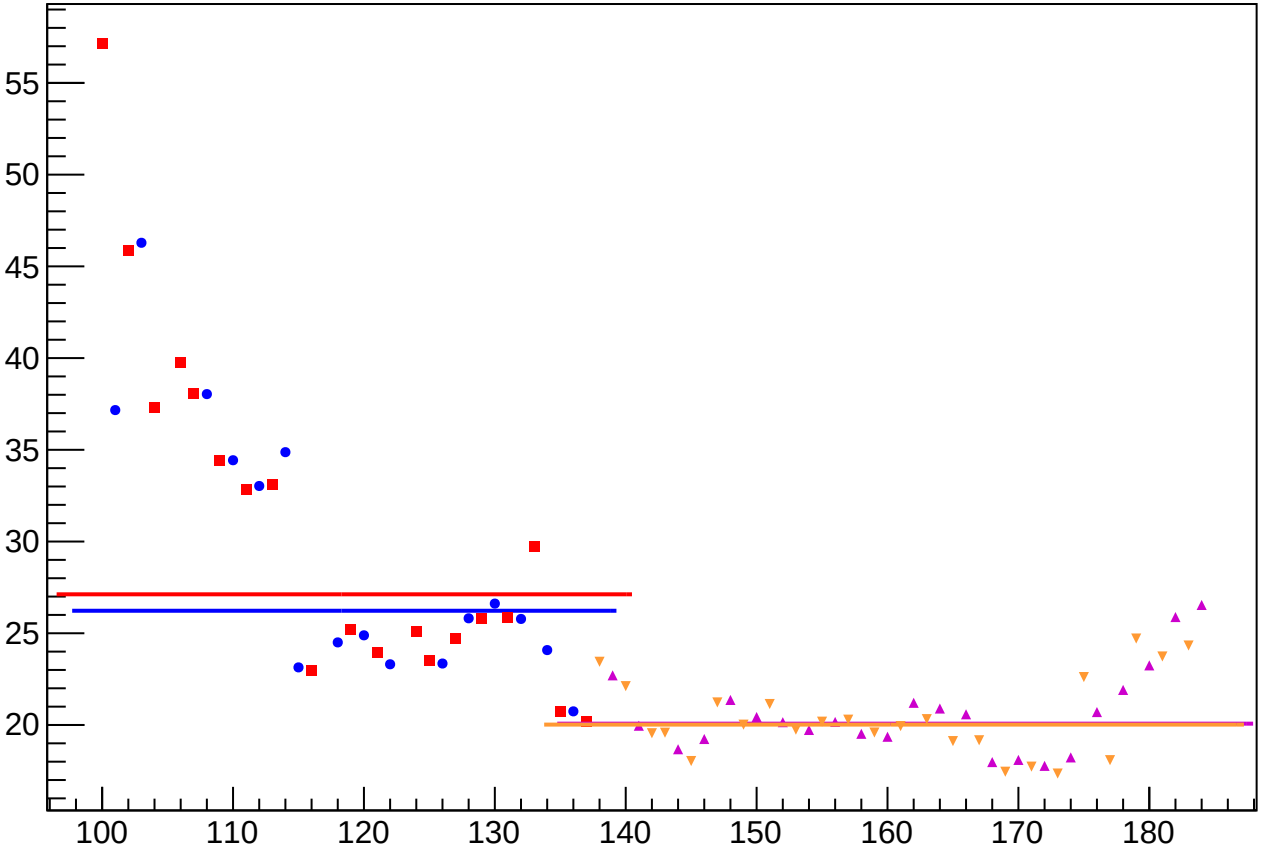
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.257+/-4.195 χ^2/NDF: 49.5/39

All: 4.905+/-3.000 χ^2/NDF: 89.7/81

- sign 9.769+/-4.291 χ^2/NDF: 37.6/41

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

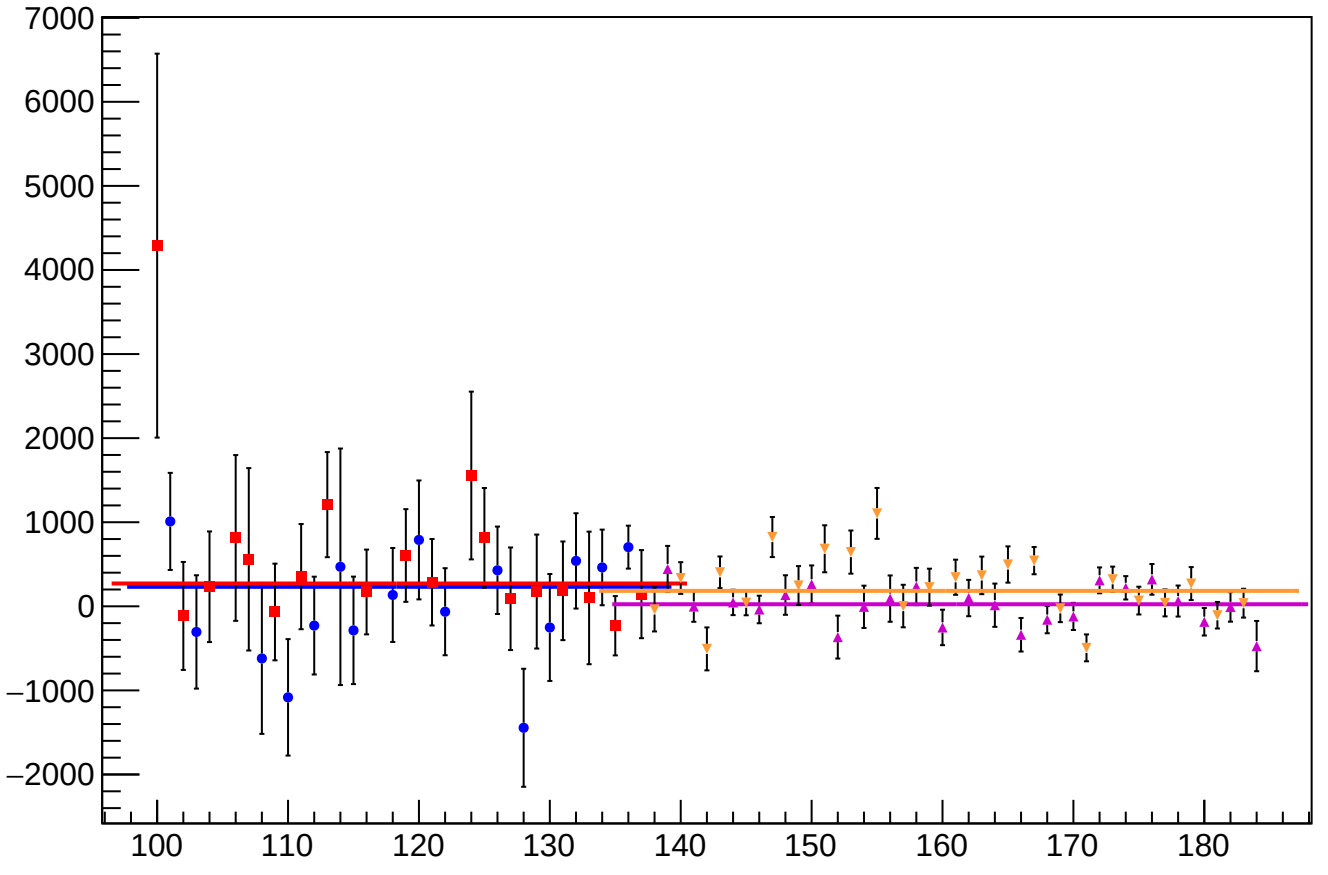
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.103+/-0.003 χ^2/NDF: 1678553.3/39

All: 21.201+/-0.002 χ^2/NDF: 3506469.2/81

- sign 21.304+/-0.003 χ^2/NDF: 1825677.2/41



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 183.908+/-39.494 χ^2/NDF:68.8/23

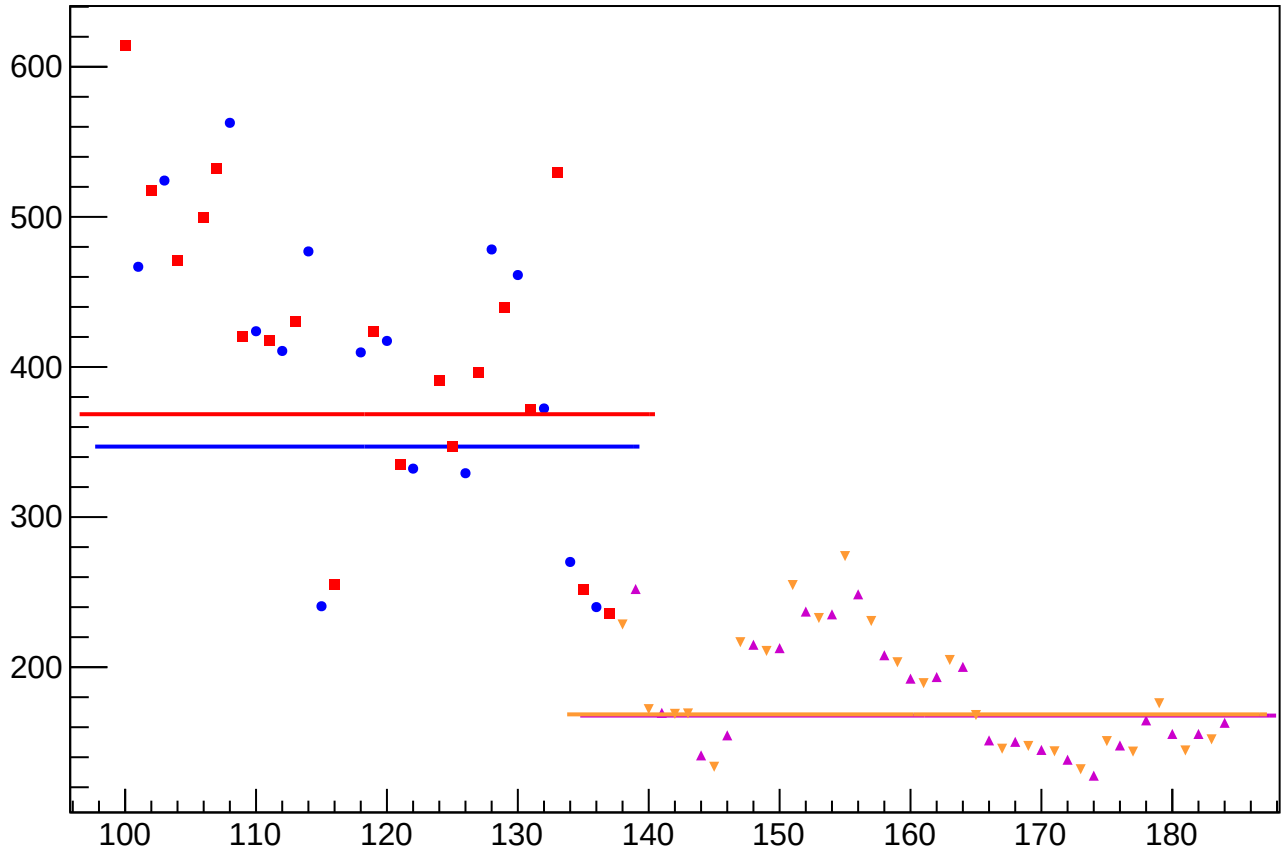
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

\+ sign 187.713+/-37.902 χ^2/NDF: 88.5/39

All: 116.655+/-27.019 χ^2/NDF: 137.1/81

\- sign 43.234+/-38.527 χ^2/NDF: 41.4/41



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

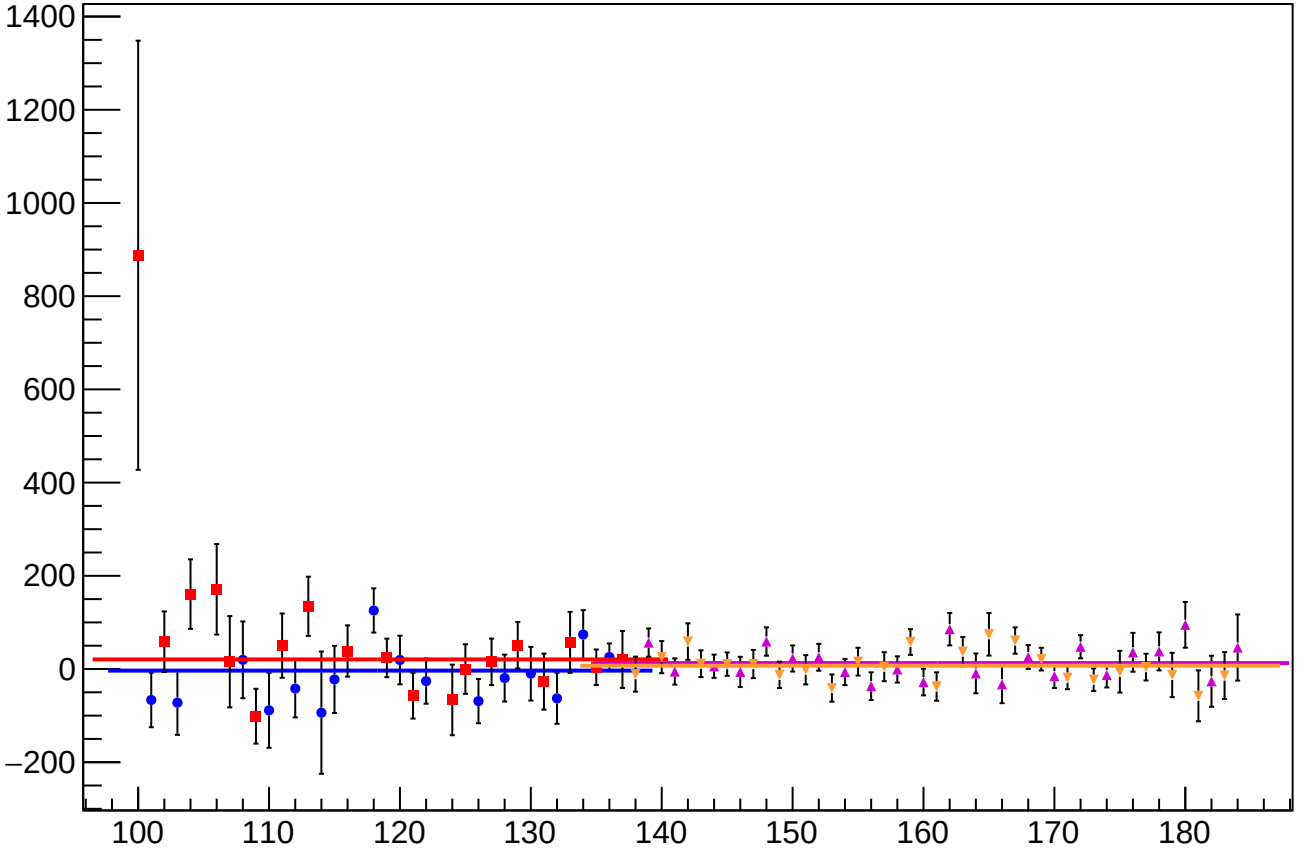
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 182.646+/-0.027 χ^2/NDF: 5822851.5/39

All: 182.779+/-0.019 χ^2/NDF: 11919721.3/81

- sign 182.915+/-0.027 χ^2/NDF: 6096820.3/41

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

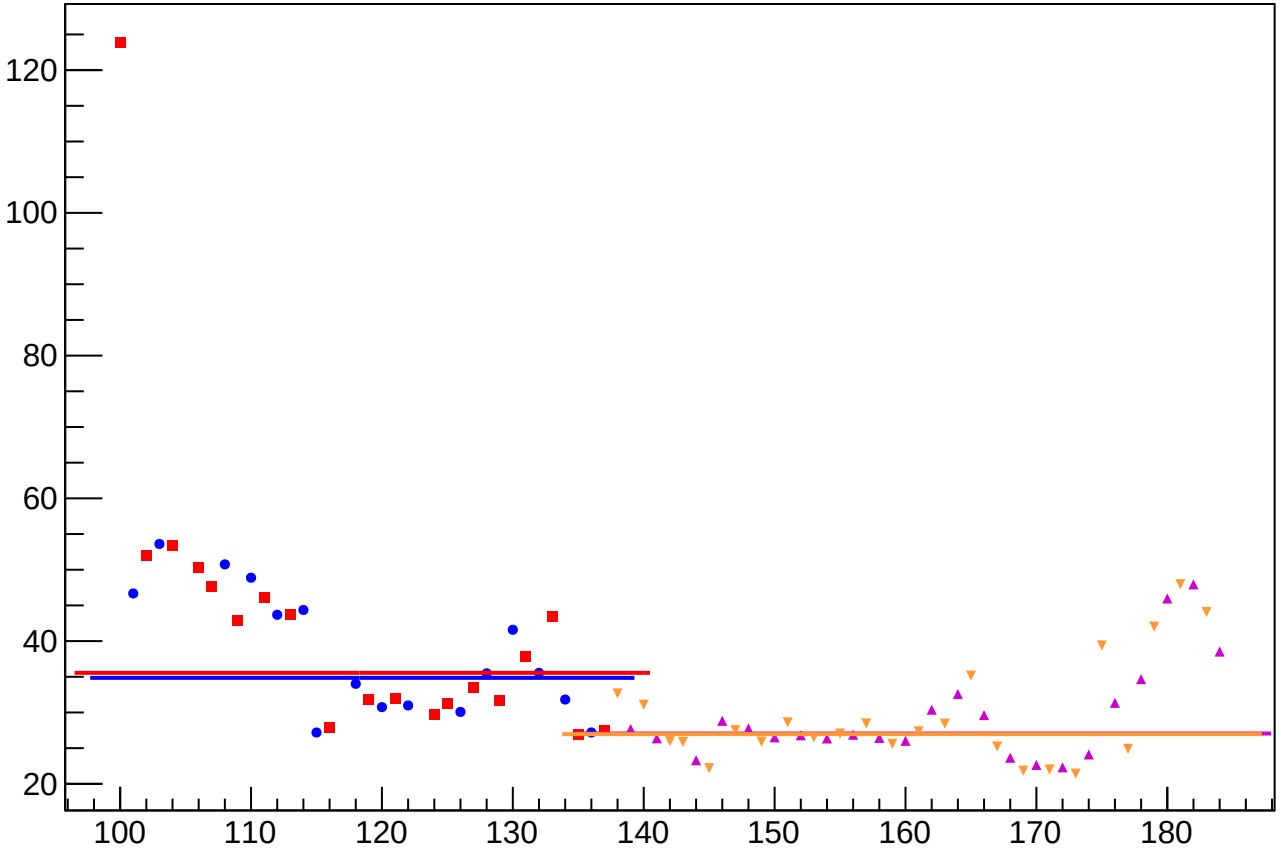
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.165+/-5.747 χ^2/NDF: 41.7/39

All: 9.585+/-4.104 χ^2/NDF: 91.9/81

- sign 14.188+/-5.864 χ^2/NDF: 49.0/41

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

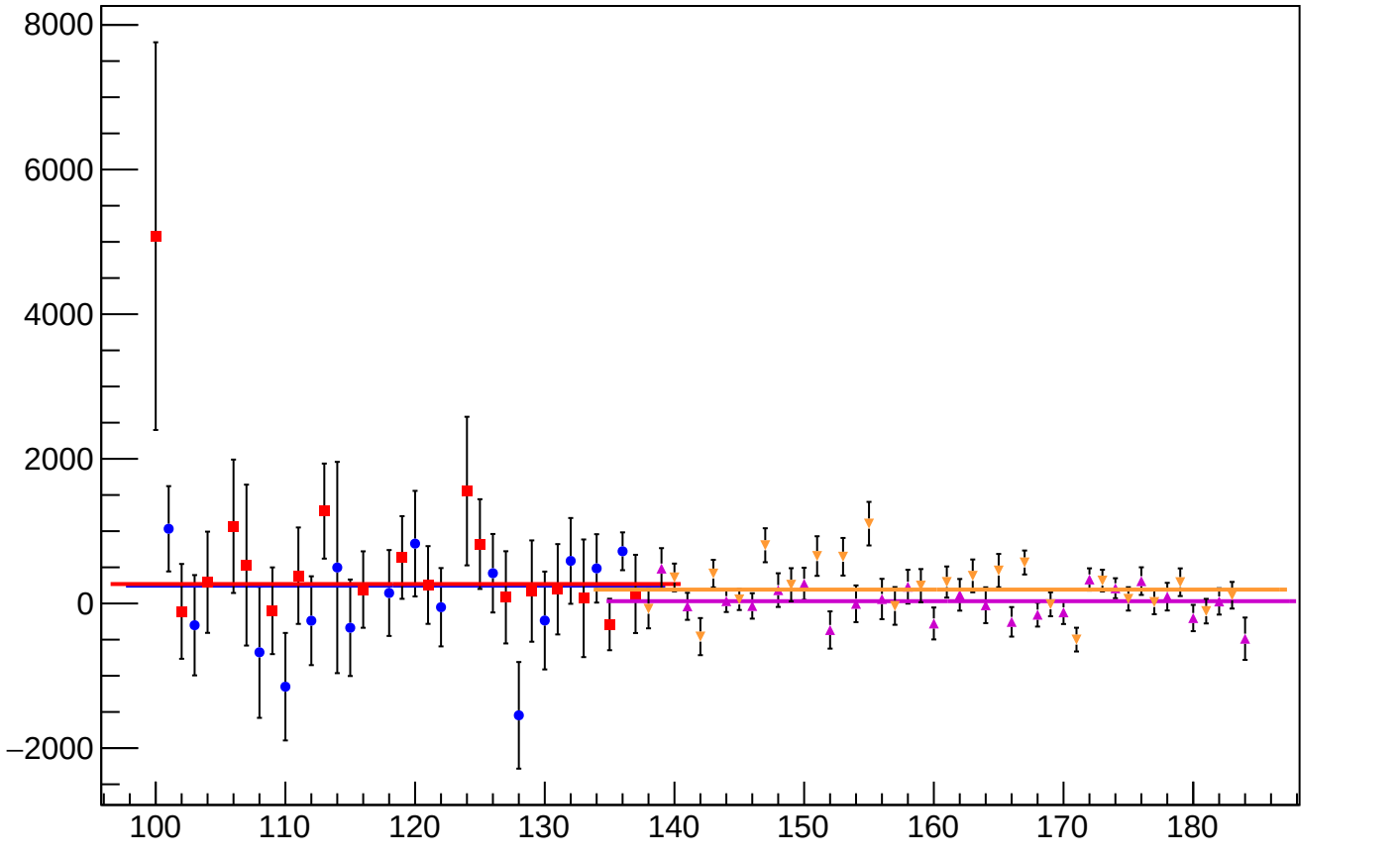
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 28.416+/-0.004 χ^2/NDF: 2633730.1/39

All: 28.537+/-0.003 χ^2/NDF: 5104999.1/81

- sign 28.662+/-0.004 χ^2/NDF: 2469478.7/41



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 192.027+/-40.160 χ^2/NDF:65.6/23

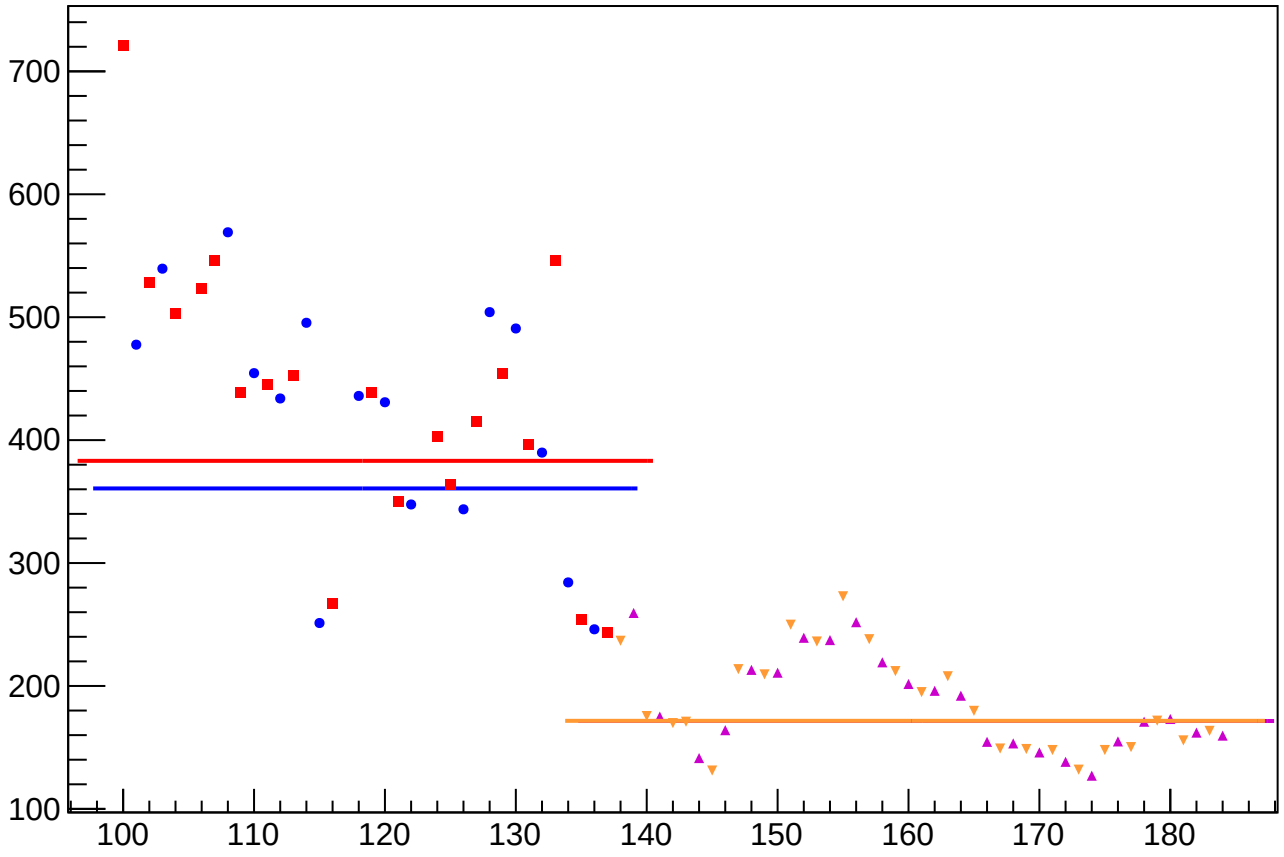
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 196.154+/-38.609 χ^2/NDF: 85.5/39

All: 124.311+/-27.589 χ^2/NDF: 134.1/81

- sign 49.353+/-39.437 χ^2/NDF: 41.5/41



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

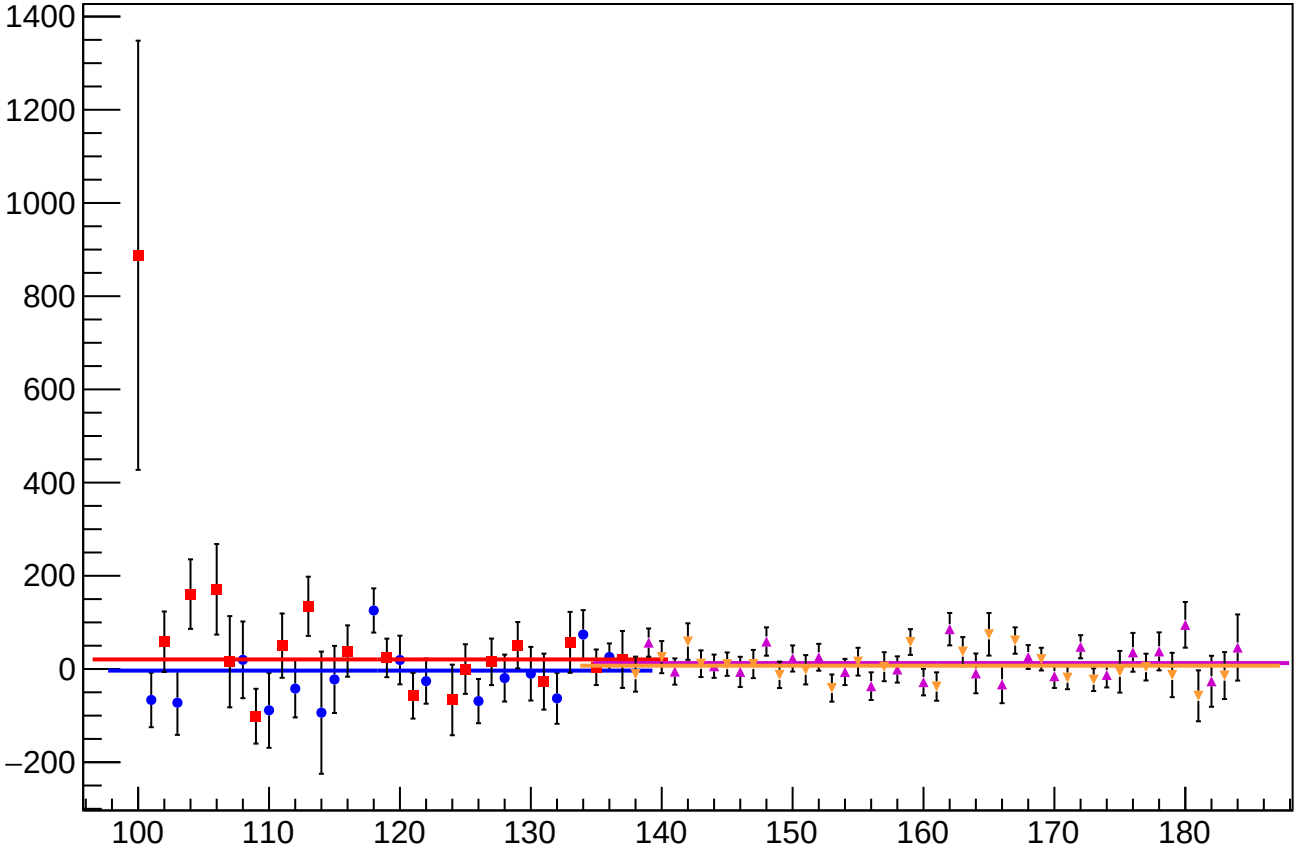
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 185.956+/-0.027 χ^2/NDF: 5974097.9/39

All: 186.507+/-0.020 χ^2/NDF: 12284747.3/81

- sign 187.082+/-0.028 χ^2/NDF: 6309817.4/41

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

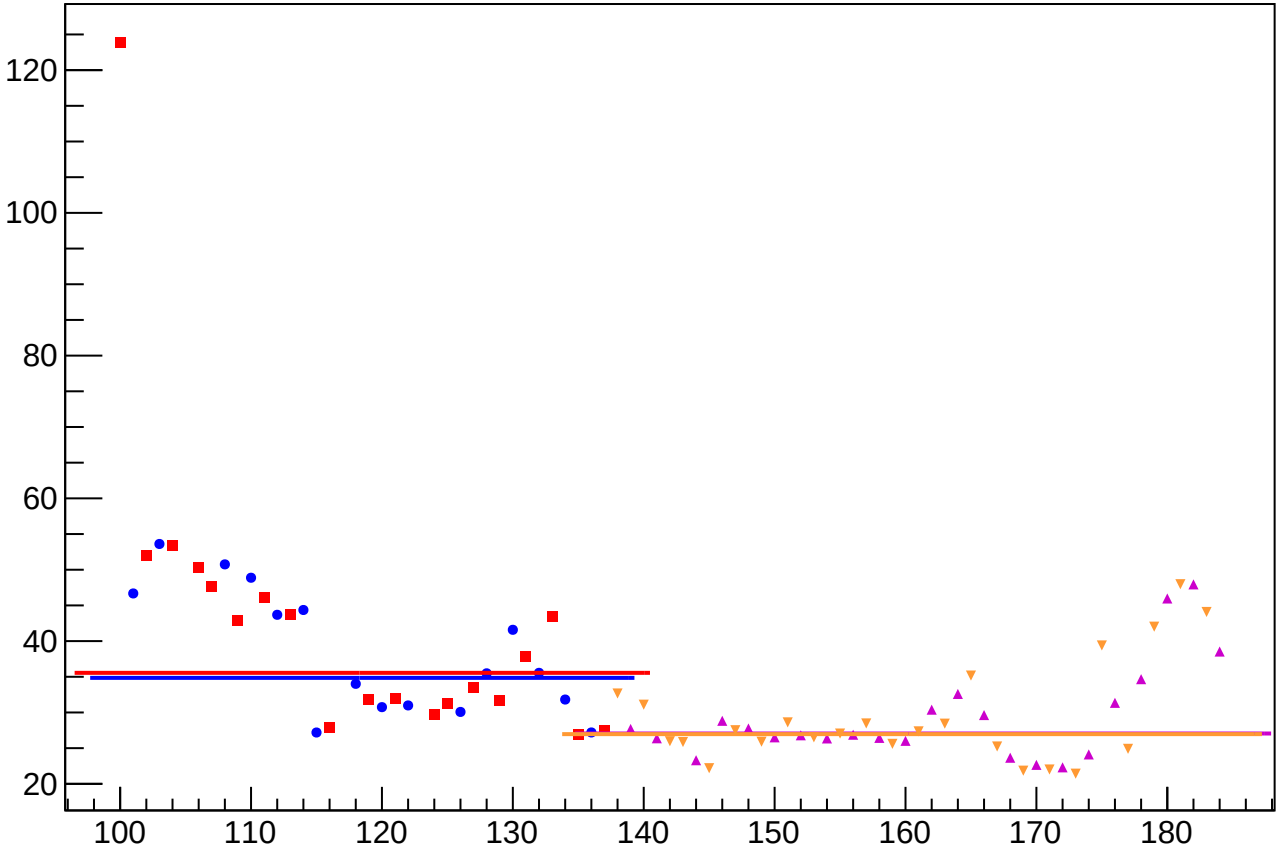
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.165+/-5.747 χ^2/NDF: 41.7/39

All: 9.585+/-4.104 χ^2/NDF: 91.9/81

- sign 14.188+/-5.864 χ^2/NDF: 49.0/41

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

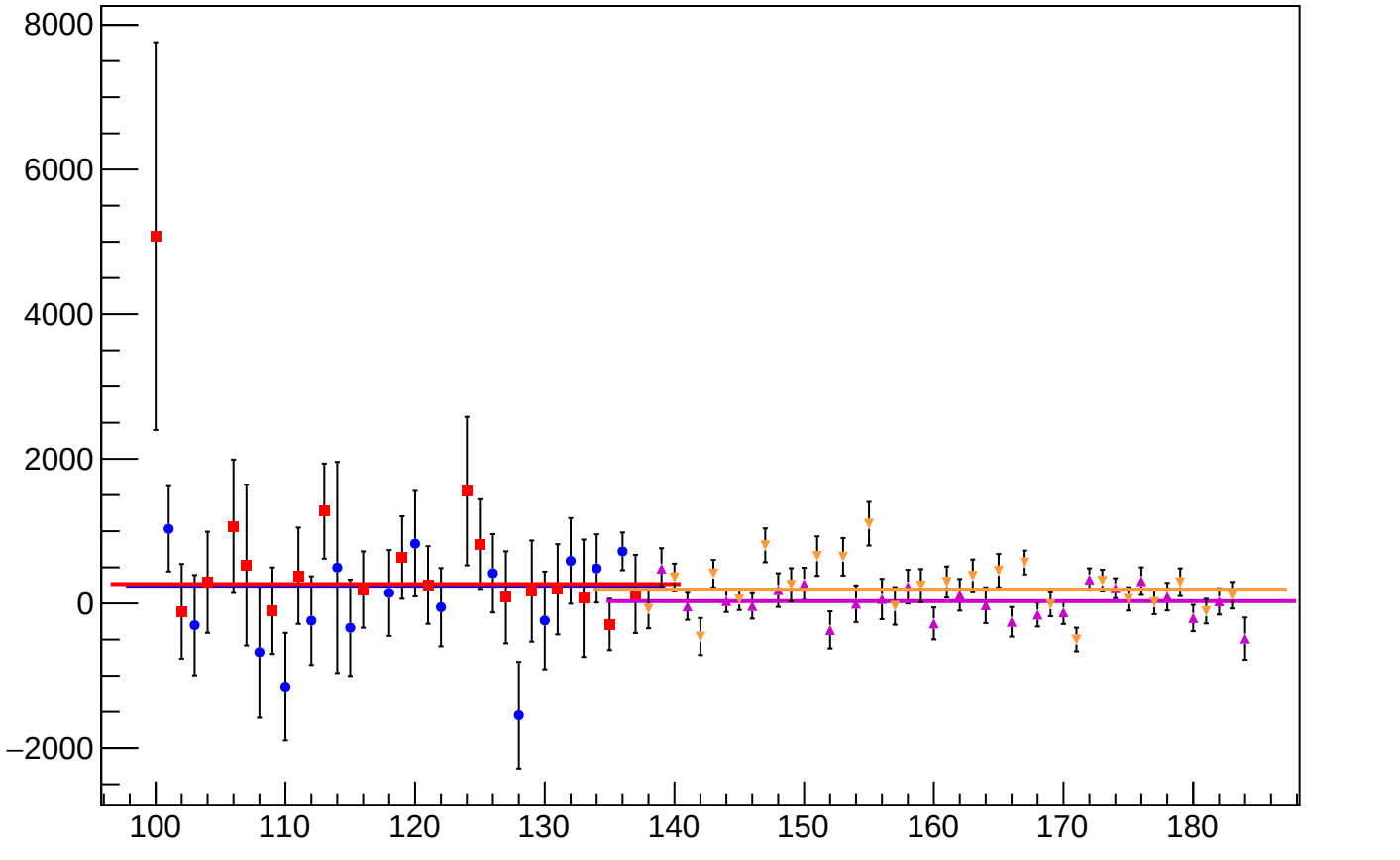
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.416+/-0.004 χ^2/NDF: 2633619.3/39

All: 28.537+/-0.003 χ^2/NDF: 5104778.0/81

- sign 28.662+/-0.004 χ^2/NDF: 2469368.6/41



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 192.027+/-40.160 χ^2/NDF:65.6/23

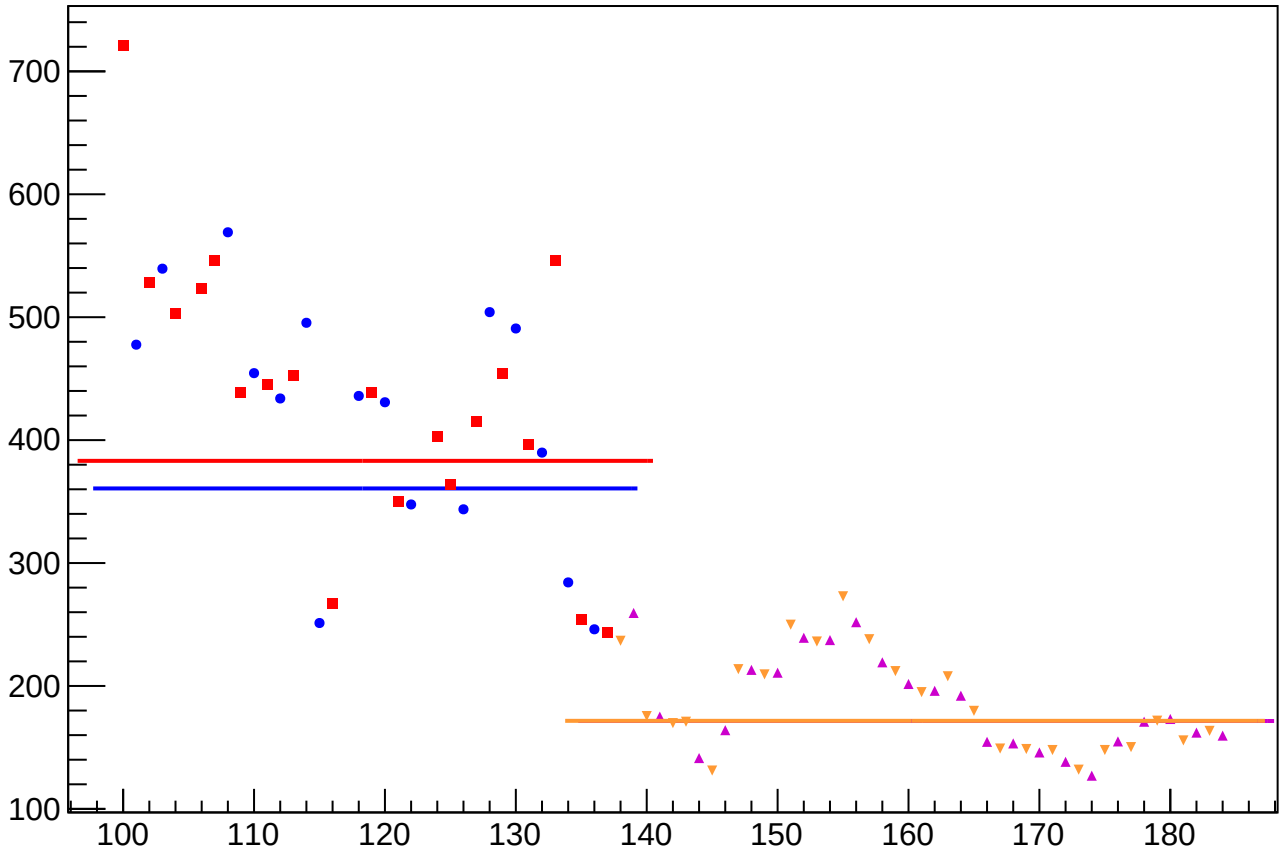
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 196.154+/-38.609 χ^2/NDF: 85.5/39

All: 124.310+/-27.588 χ^2/NDF: 134.1/81

- sign 49.353+/-39.437 χ^2/NDF: 41.5/41



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

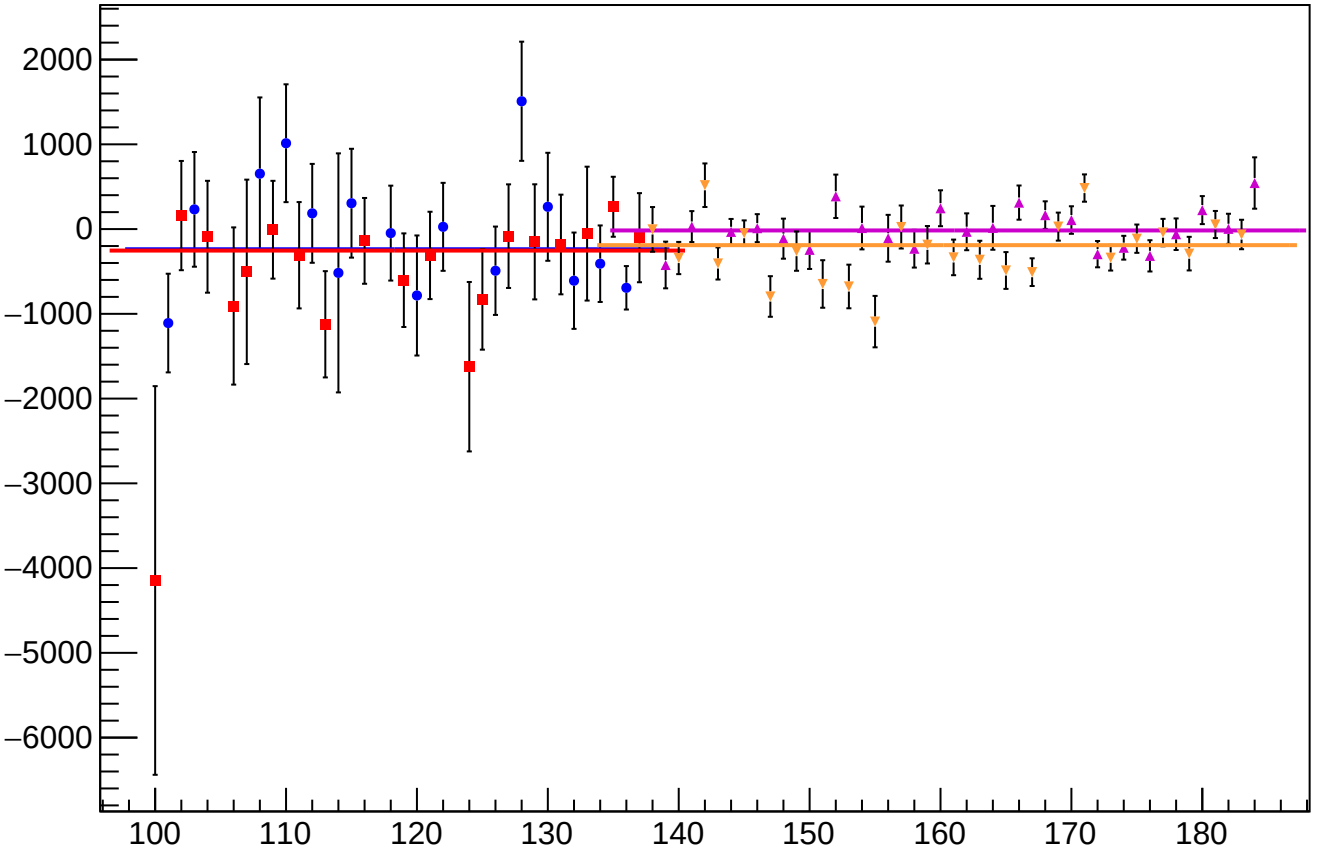
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 185.956+/-0.027 χ^2/NDF: 5974113.8/39

All: 186.506+/-0.020 χ^2/NDF: 12284782.3/81

- sign 187.081+/-0.028 χ^2/NDF: 6309836.6/41

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

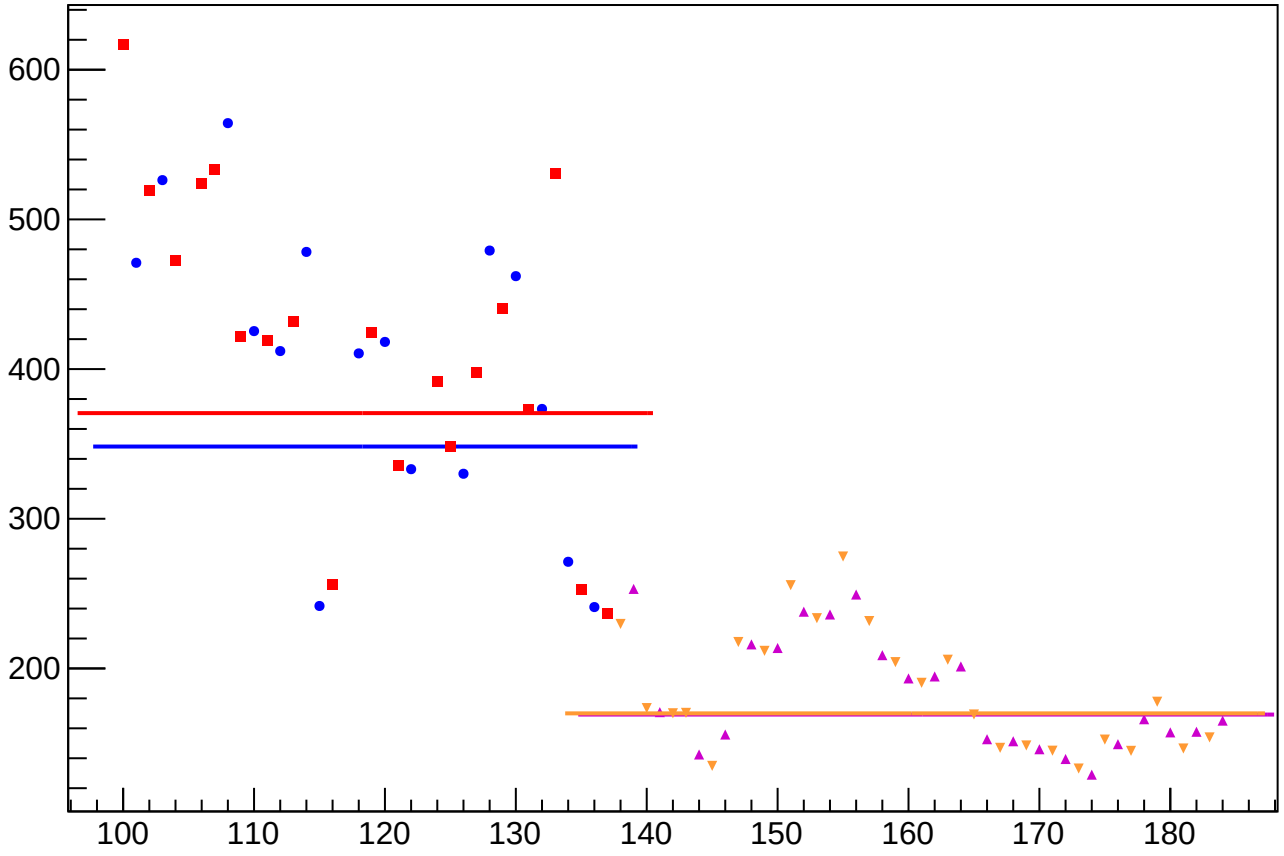
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -193.575+/-38.193 χ^2/NDF: 84.3/39

All: -115.189+/-27.226 χ^2/NDF: 133.8/81

- sign -34.203+/-38.822 χ^2/NDF: 41.0/41

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

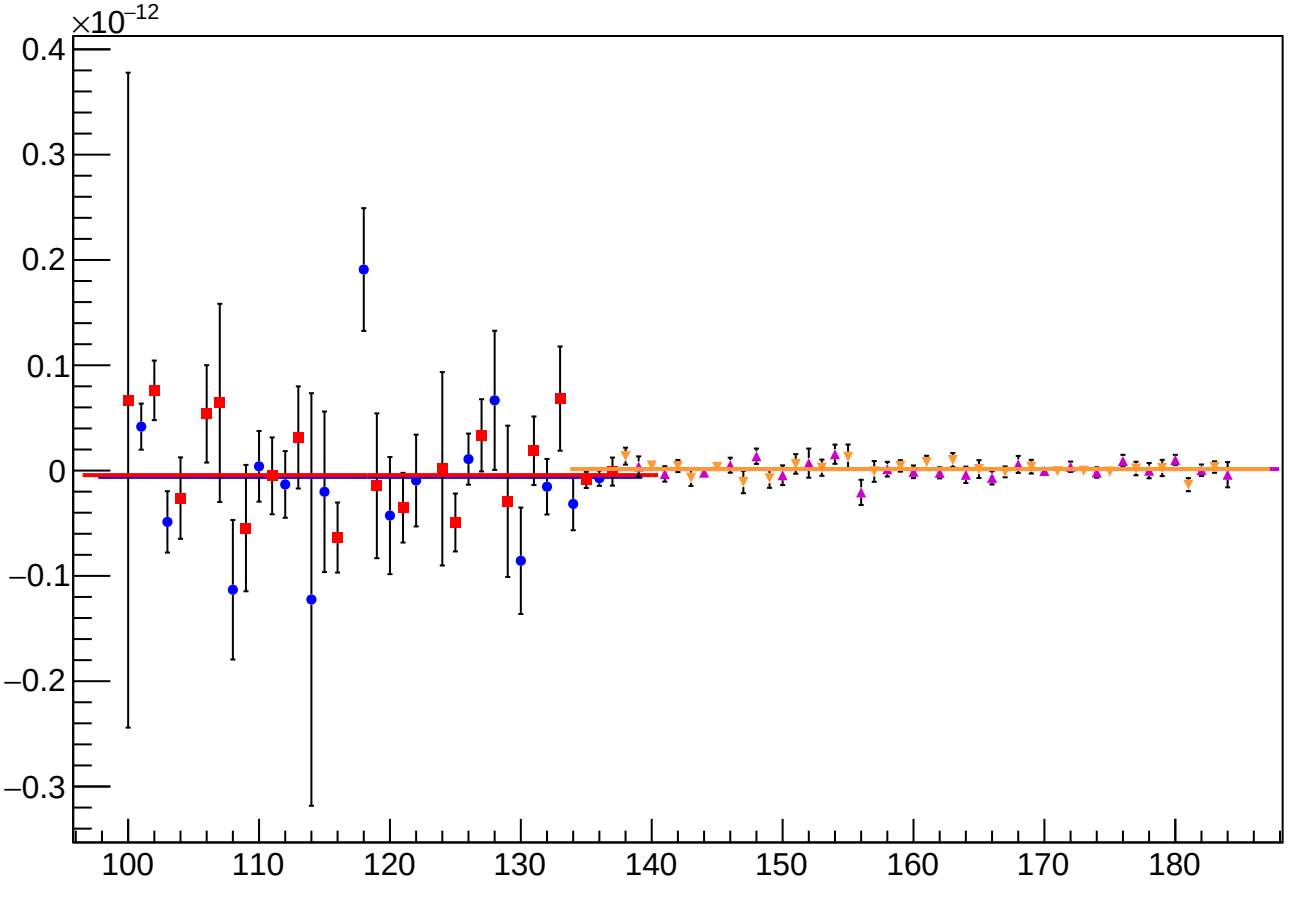
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 184.185+/-0.027 χ^2/NDF: 5760723.6/39

All: 184.380+/-0.019 χ^2/NDF: 11853207.1/81

- sign 184.582+/-0.027 χ^2/NDF: 6092377.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/23

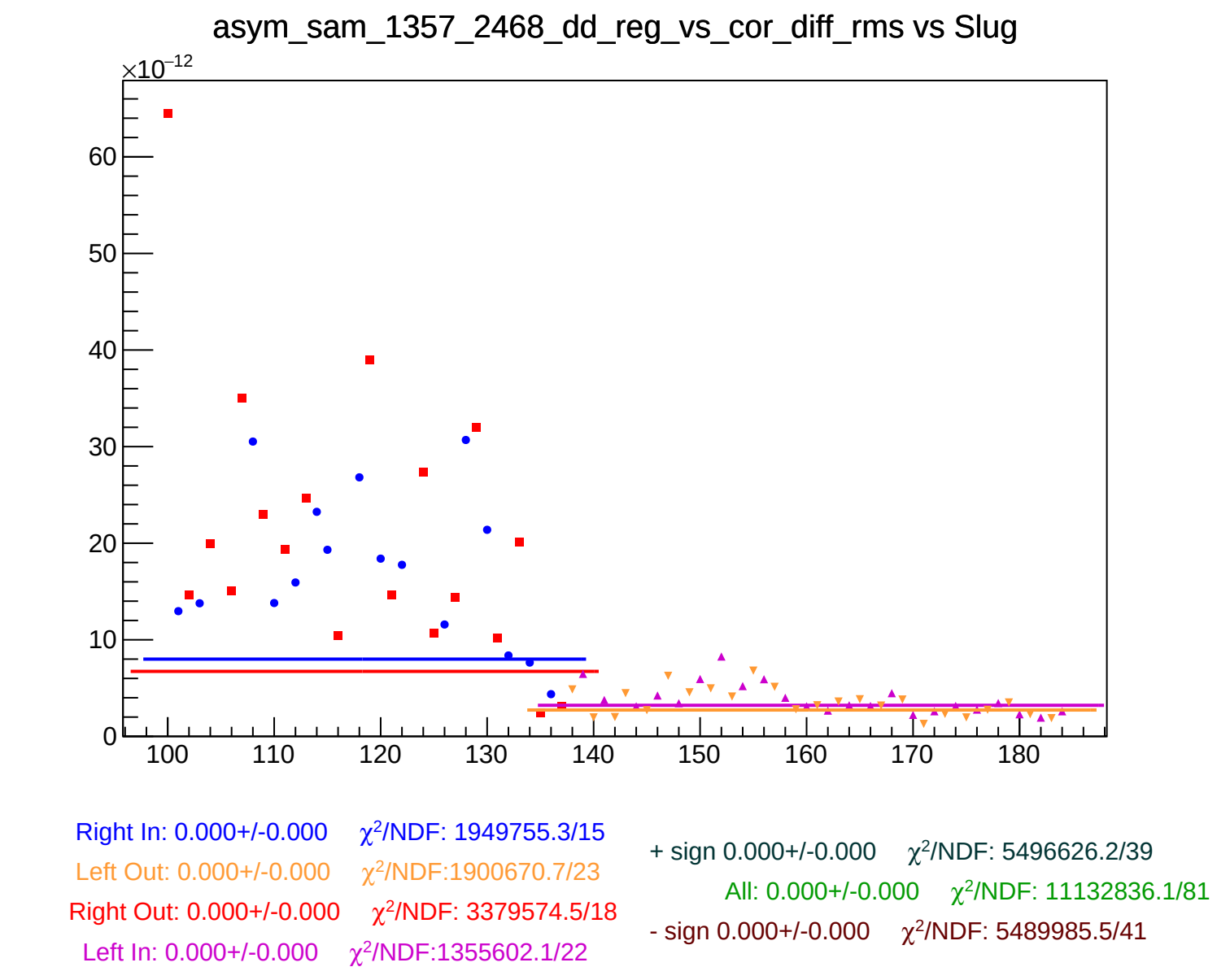
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

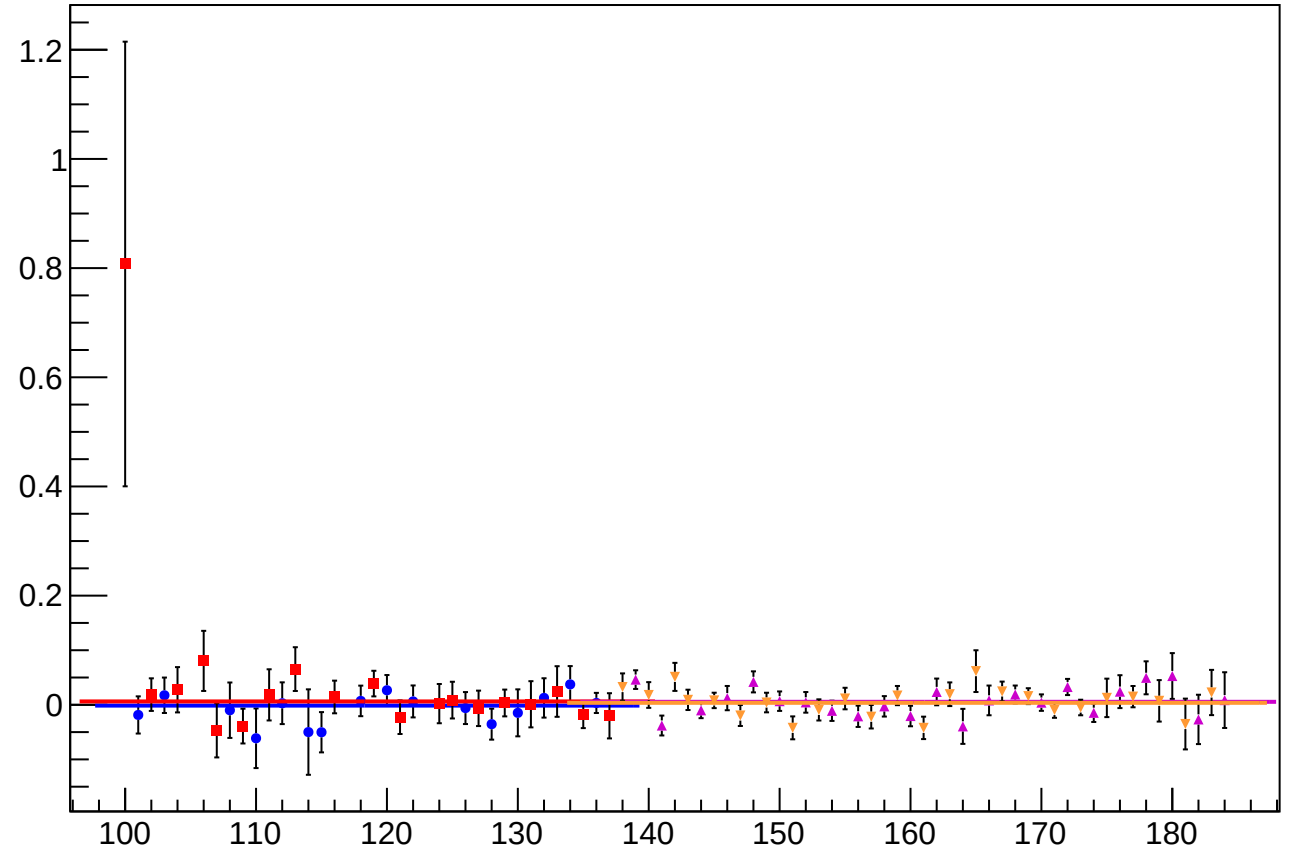
Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.5/39

All: 0.000+/-0.000 χ^2/NDF: 91.1/81

- sign 0.000+/-0.000 χ^2/NDF: 43.6/41


asym_sam_1357_2468_dd_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: 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:1355602.1/22
+ sign 0.000+/-0.000 χ²/NDF: 5496626.2/39
All: 0.000+/-0.000 χ²/NDF: 11132836.1/81
- sign 0.000+/-0.000 χ²/NDF: 5489985.5/41



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

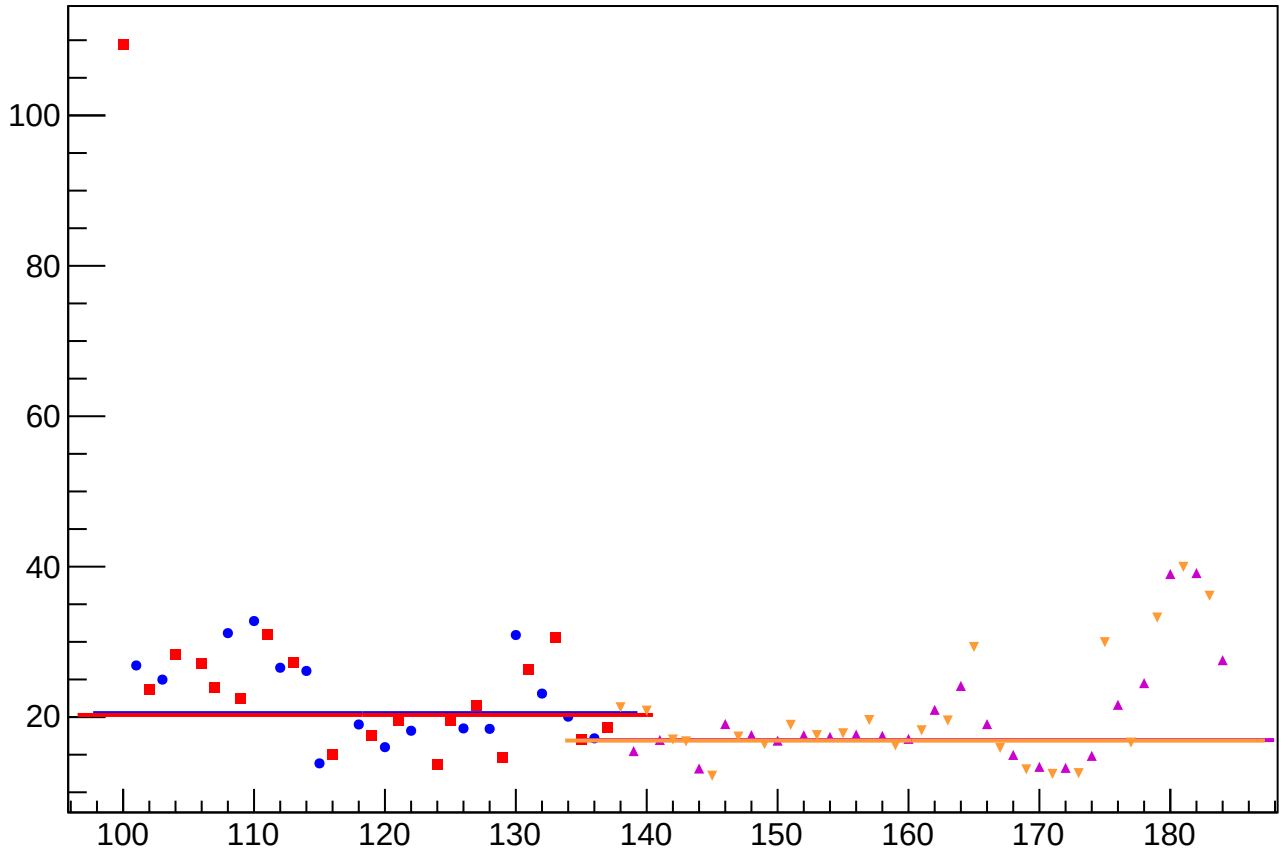
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 35.1/39

All: 0.004+/-0.003 χ^2/NDF: 84.9/81

- sign 0.006+/-0.004 χ^2/NDF: 49.5/41



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746850.1/23

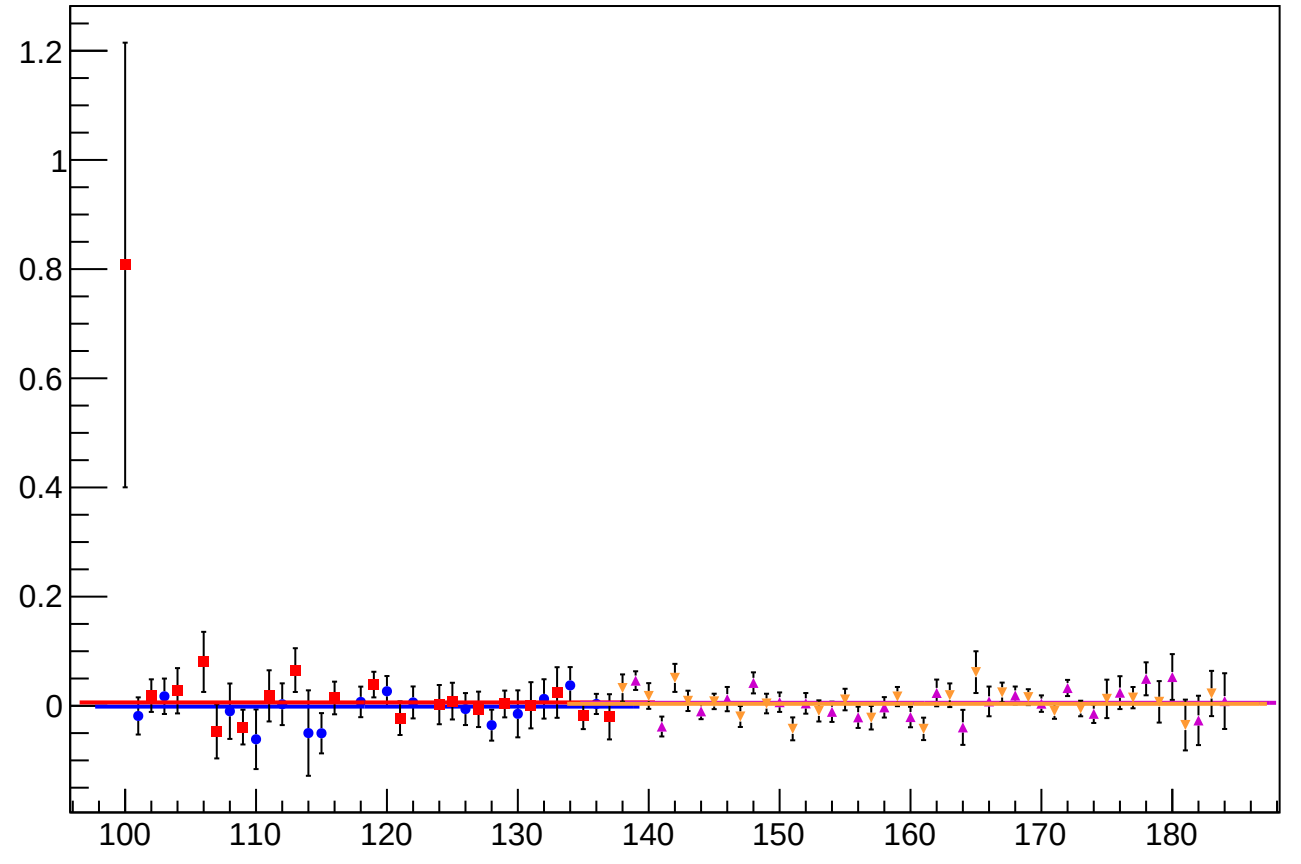
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.626+/-0.003 χ^2/NDF: 3777767.4/39

All: 17.652+/-0.002 χ^2/NDF: 6863824.2/81

\- sign 17.678+/-0.003 χ^2/NDF: 3085853.3/41



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

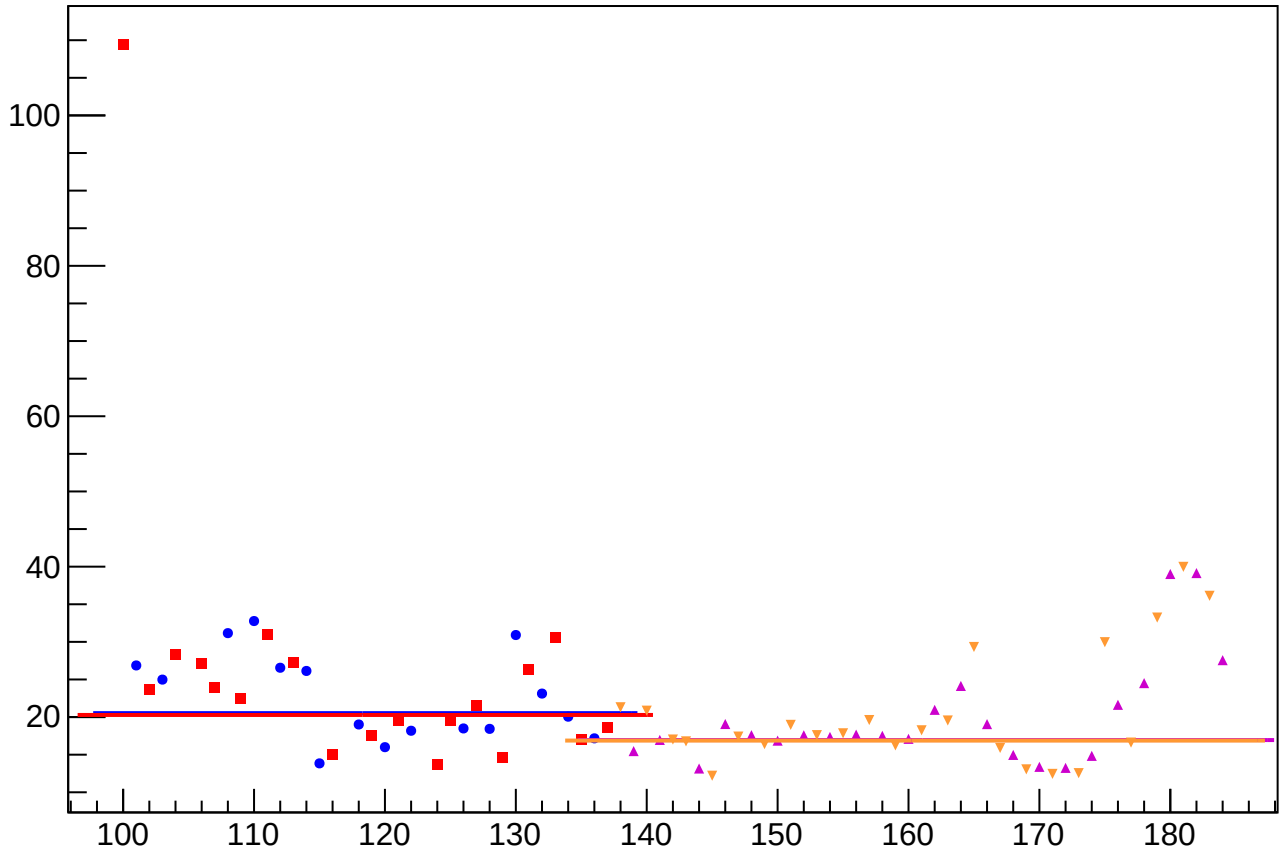
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 35.1/39

All: 0.004+/-0.003 χ^2/NDF: 84.9/81

- sign 0.006+/-0.004 χ^2/NDF: 49.5/41



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746850.1/23

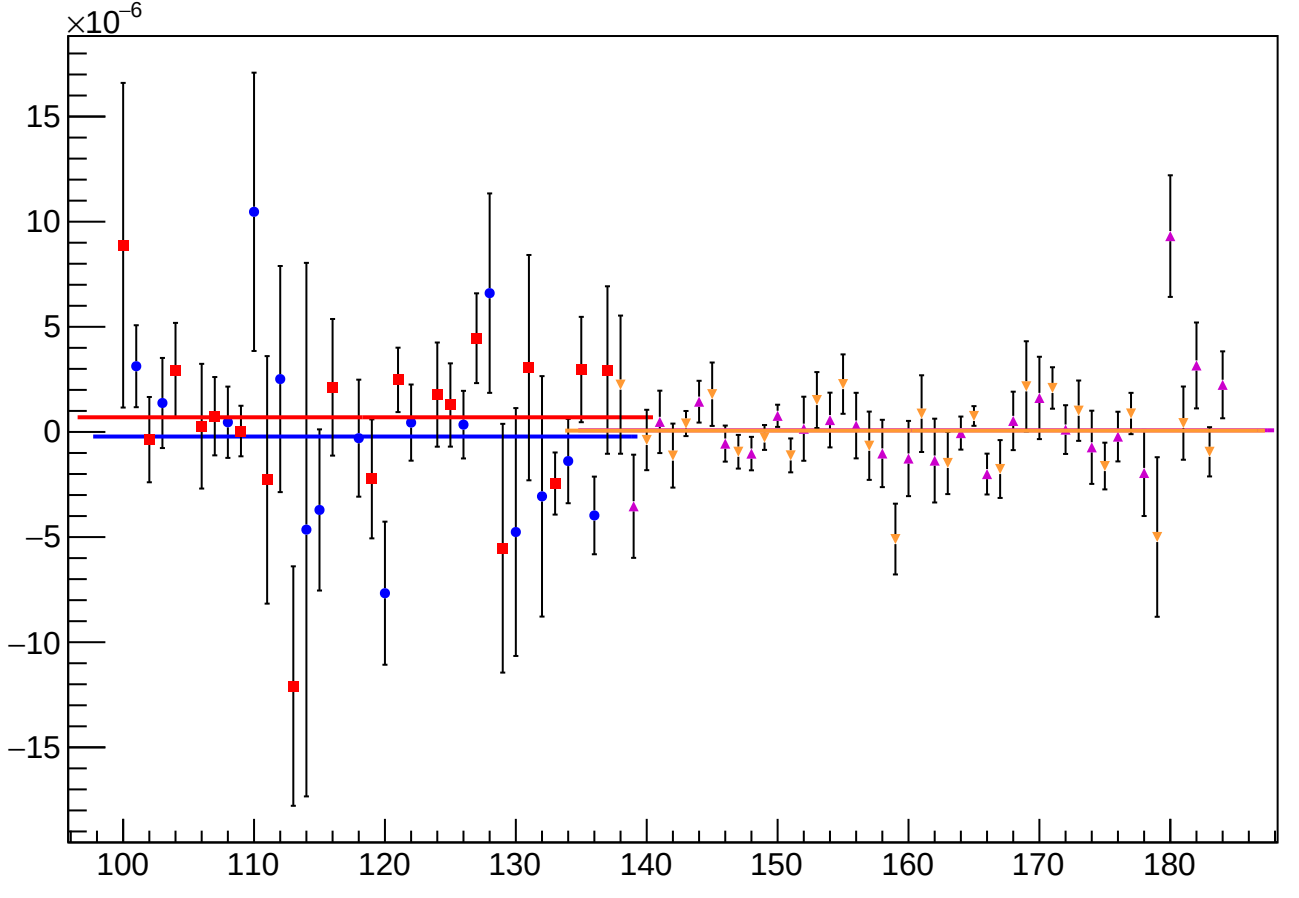
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.626+/-0.003 χ^2/NDF: 3777767.4/39

All: 17.652+/-0.002 χ^2/NDF: 6863824.2/81

\- sign 17.678+/-0.003 χ^2/NDF: 3085853.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/23

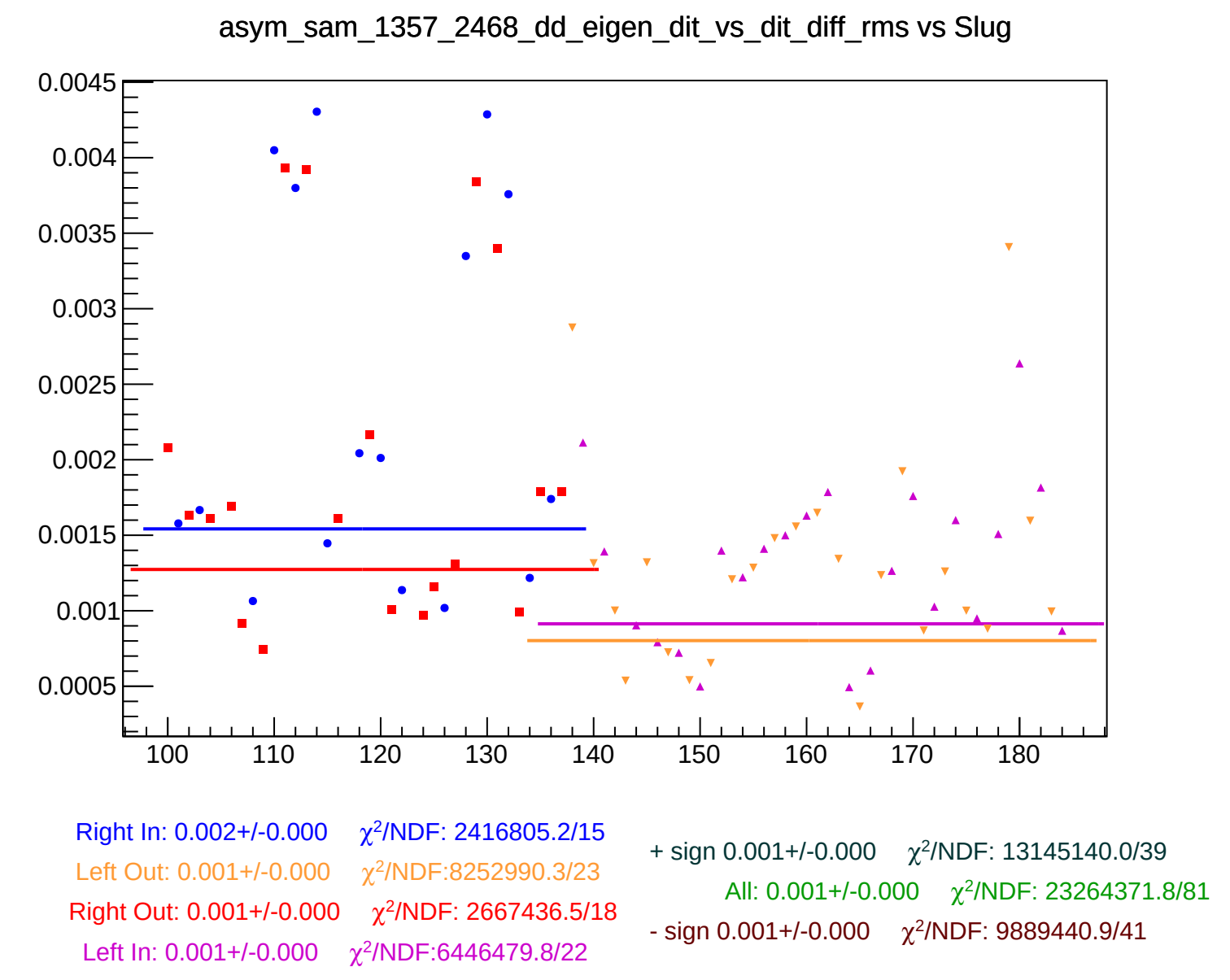
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

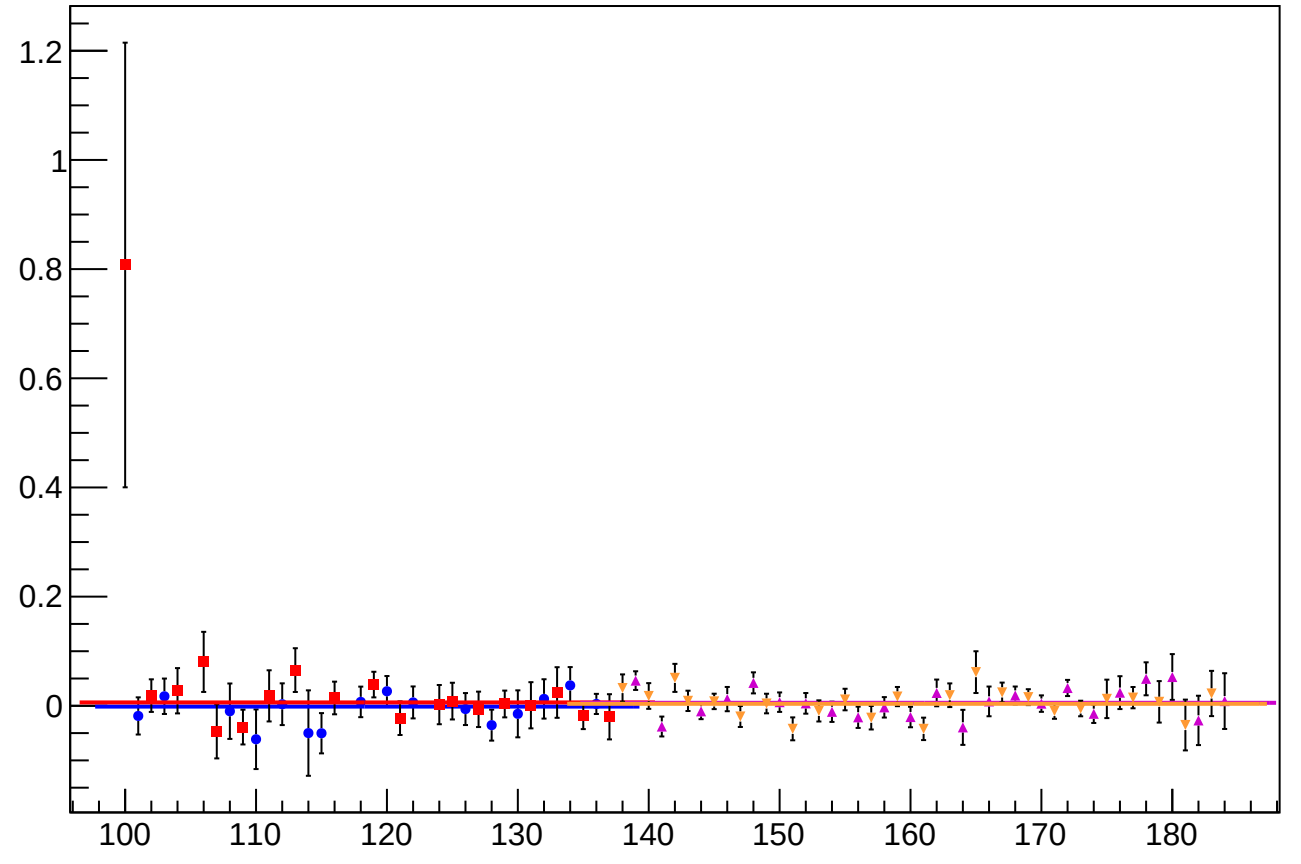
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.5/39

All: 0.000+/-0.000 χ^2/NDF: 109.9/81

- sign 0.000+/-0.000 χ^2/NDF: 53.1/41


asym_sam_1357_2468_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: 0.002+/-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:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13145140.0/39
All: 0.001+/-0.000 χ²/NDF: 23264371.8/81
- sign 0.001+/-0.000 χ²/NDF: 9889440.9/41



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

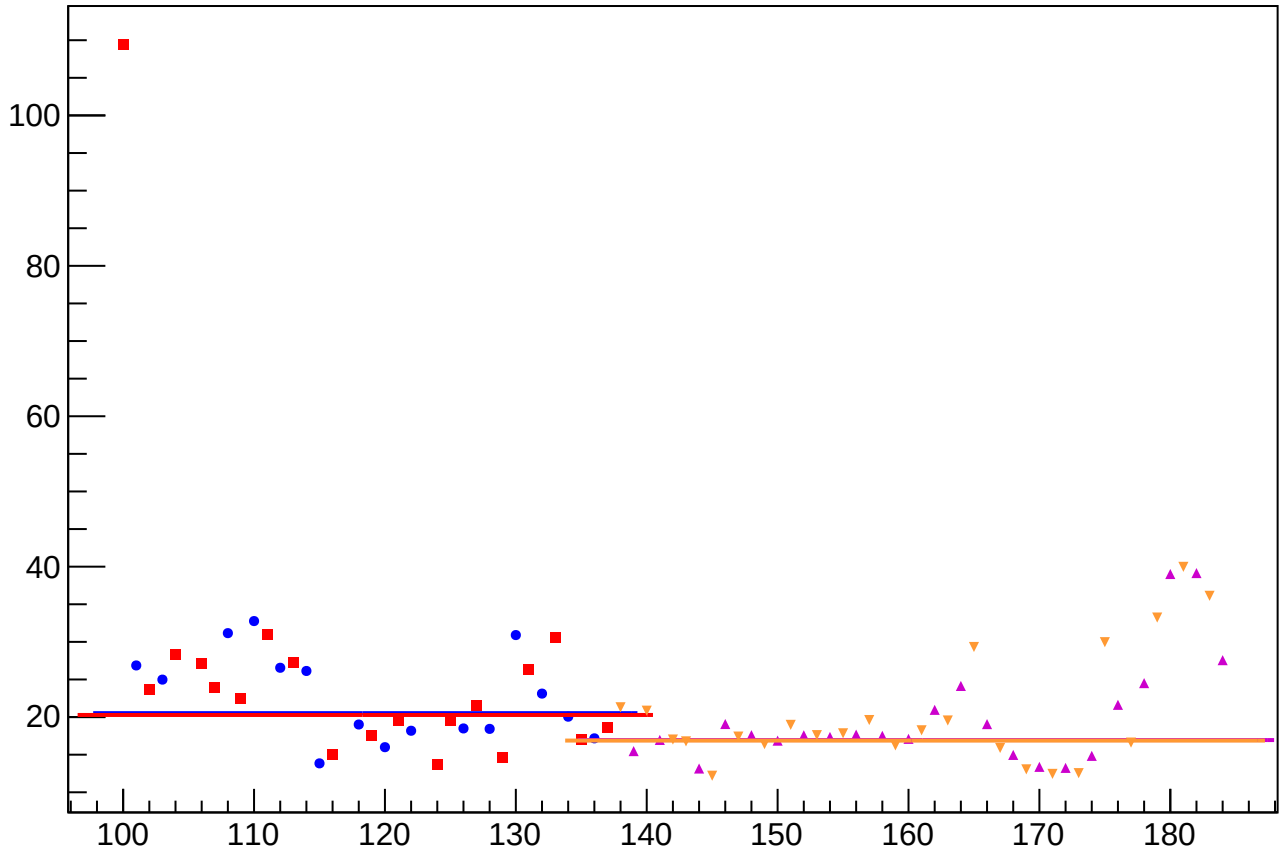
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 35.1/39

All: 0.004+/-0.003 χ^2/NDF: 84.9/81

- sign 0.006+/-0.004 χ^2/NDF: 49.5/41



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746838.1/23

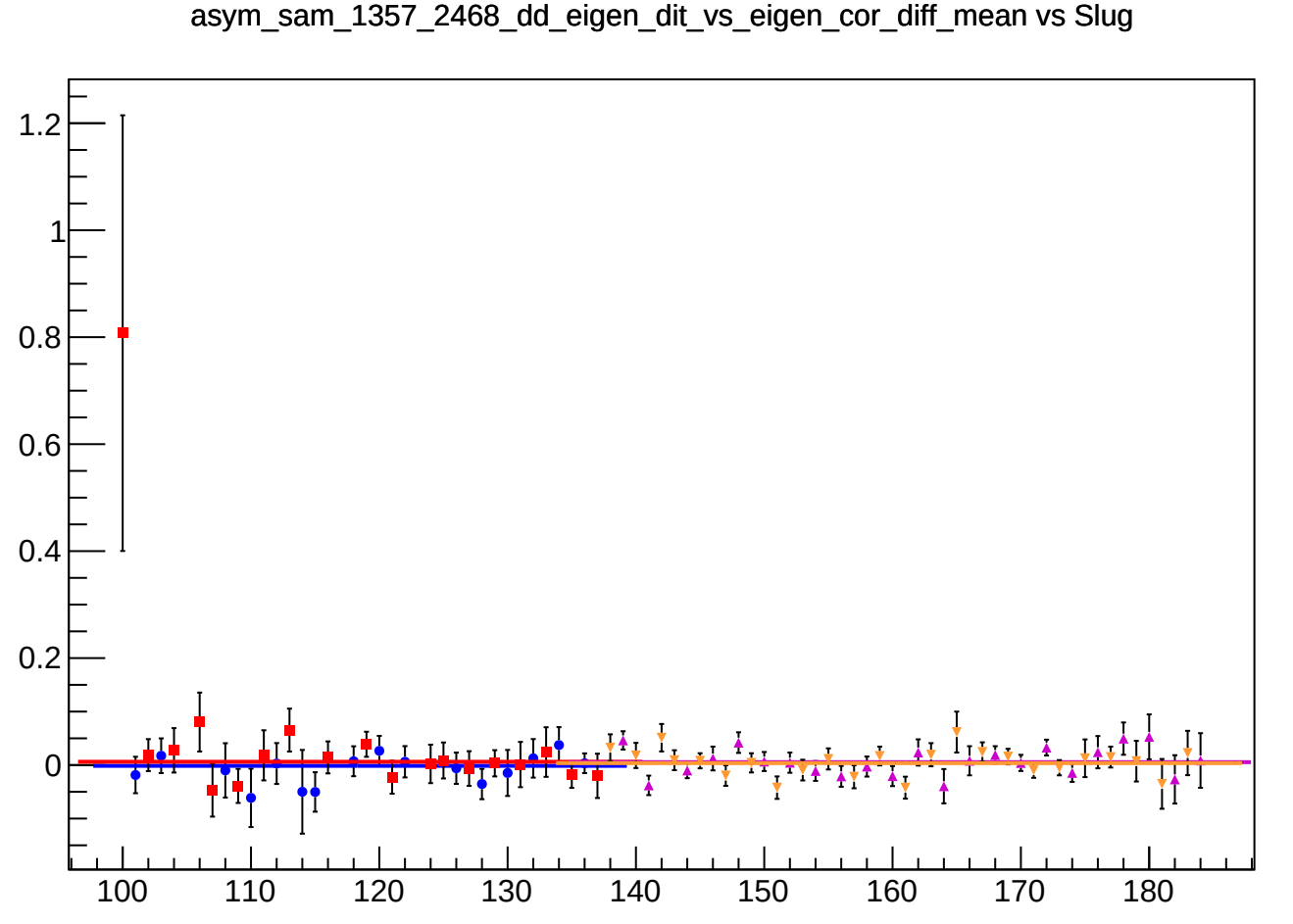
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.626+/-0.003 χ^2/NDF: 3777511.8/39

All: 17.652+/-0.002 χ^2/NDF: 6863439.3/81

\- sign 17.678+/-0.003 χ^2/NDF: 3085724.8/41



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:26.5/23

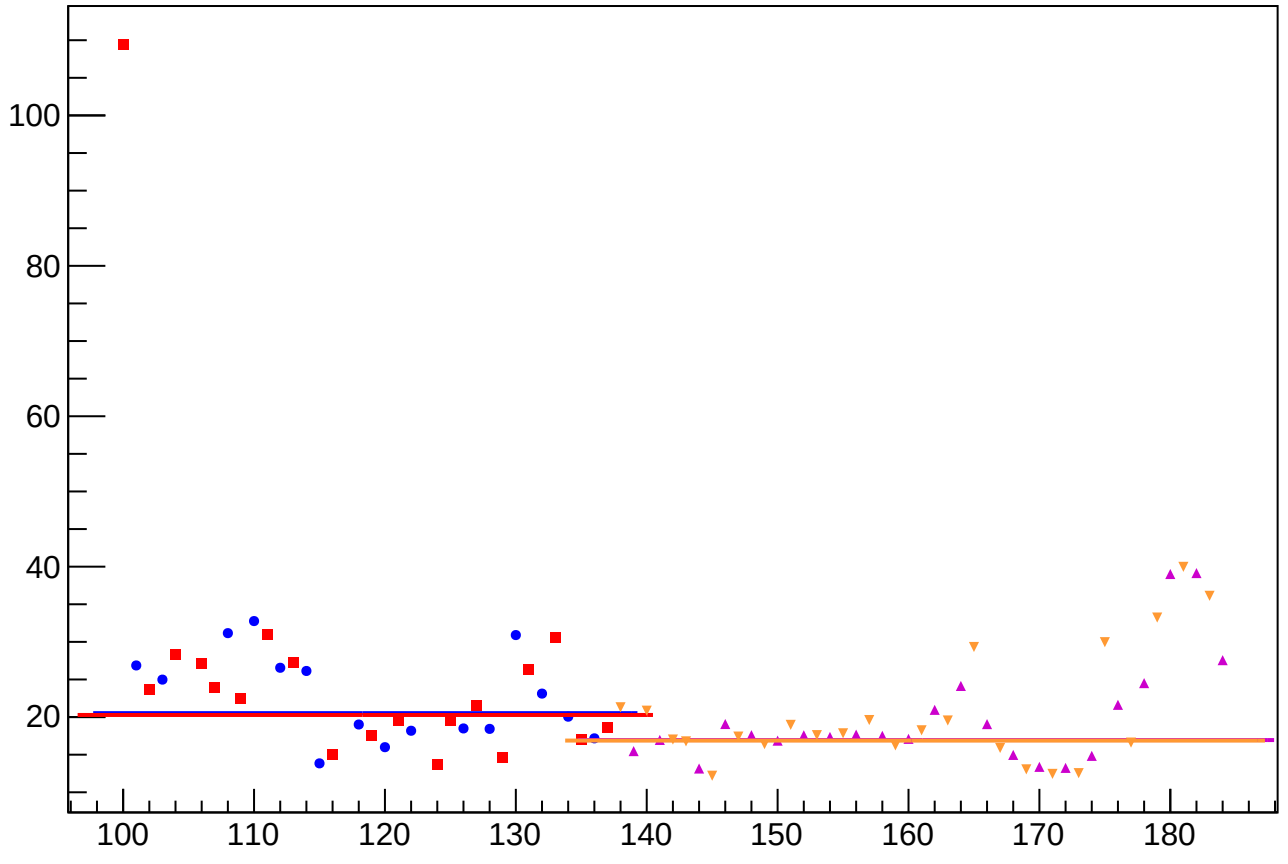
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 35.1/39

All: 0.004+/-0.003 χ^2/NDF: 84.9/81

- sign 0.006+/-0.004 χ^2/NDF: 49.5/41



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.877+/-0.003 χ^2/NDF:2746838.1/23

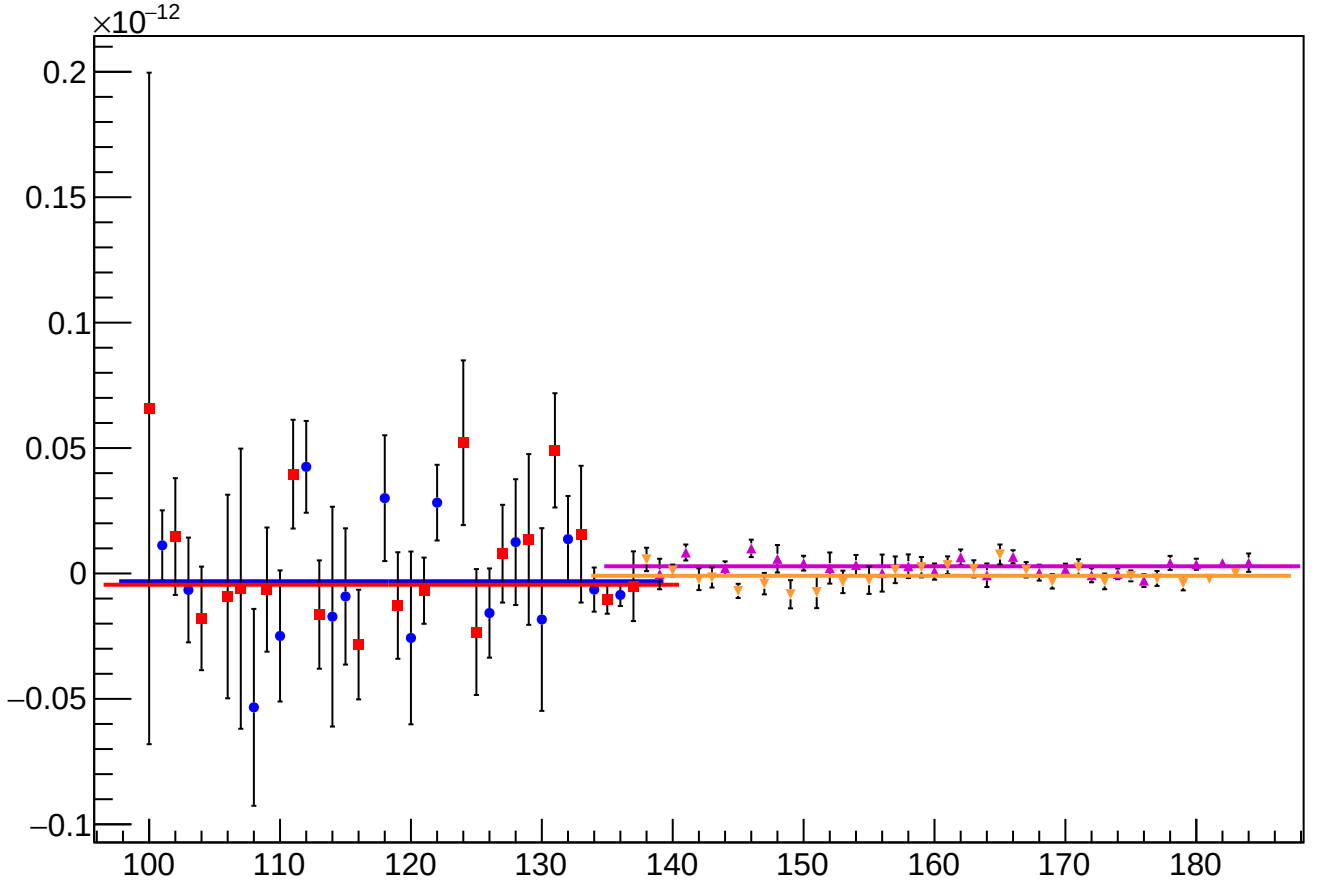
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.626+/-0.003 χ^2/NDF: 3777511.8/39

All: 17.652+/-0.002 χ^2/NDF: 6863439.3/81

- sign 17.678+/-0.003 χ^2/NDF: 3085724.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/23

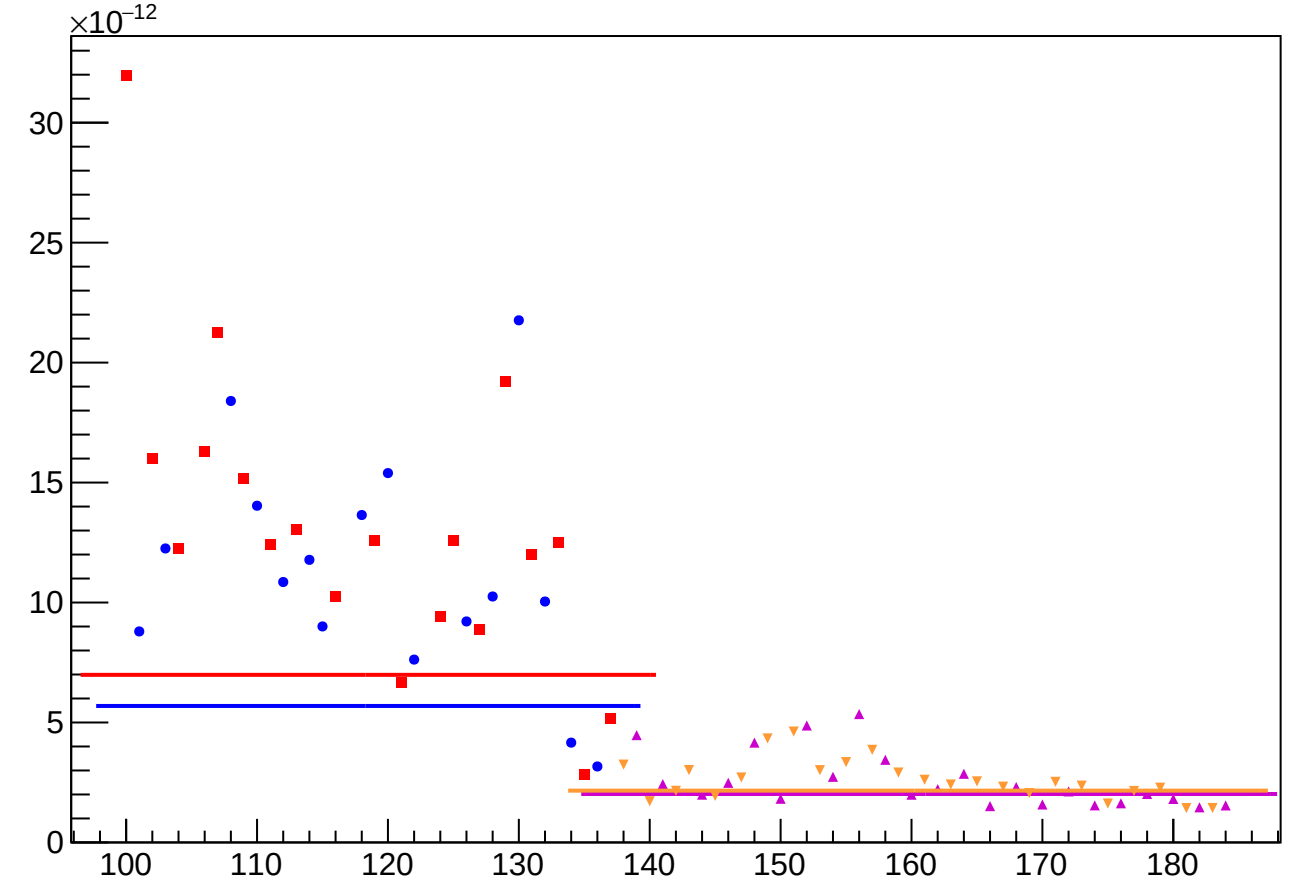
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/39

All: 0.000+/-0.000 χ^2/NDF: 106.0/81

- sign 0.000+/-0.000 χ^2/NDF: 45.2/41



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

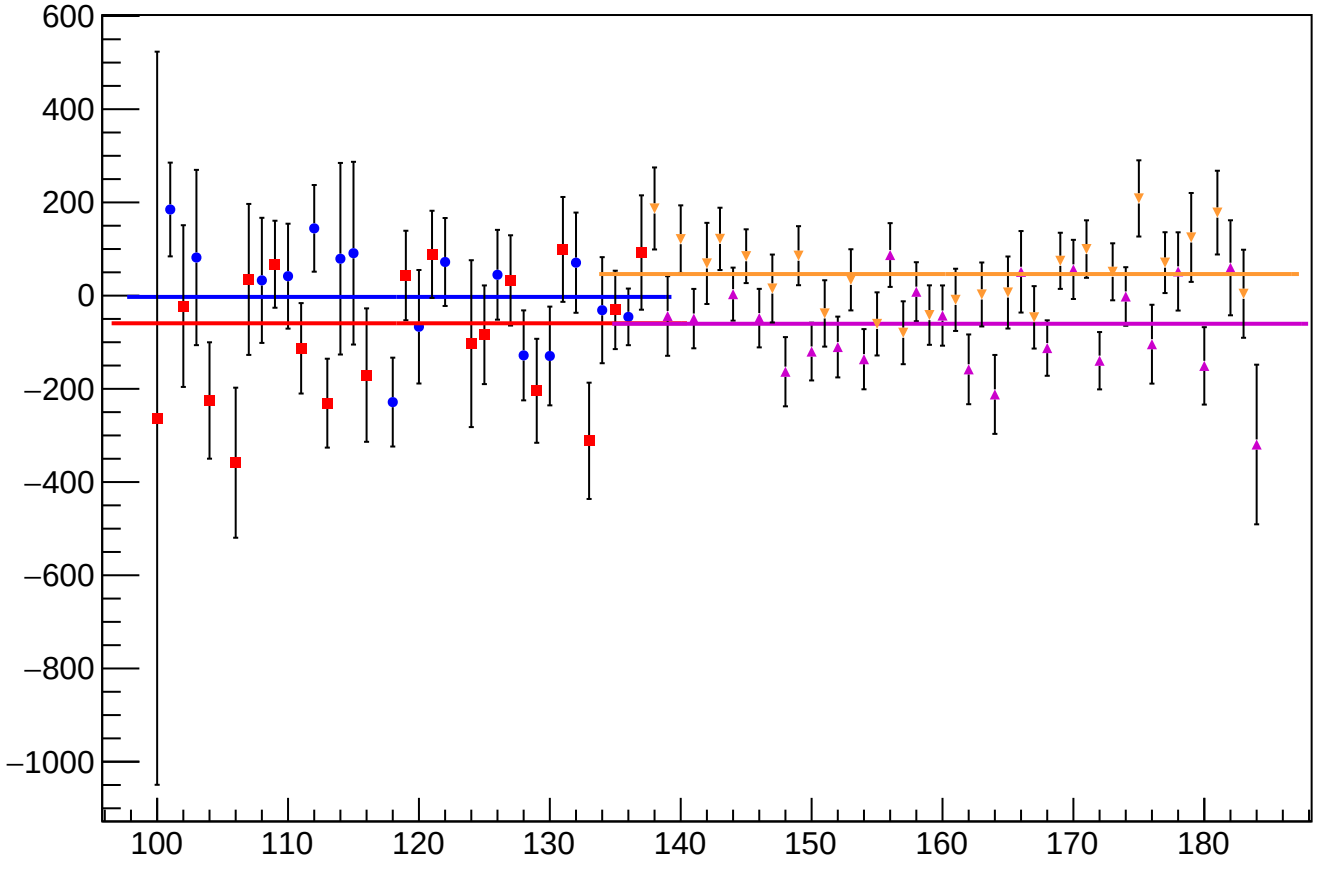
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7113919.0/39

All: 0.000+/-0.000 χ^2/NDF: 15862177.2/81

- sign 0.000+/-0.000 χ^2/NDF: 8697482.9/41

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

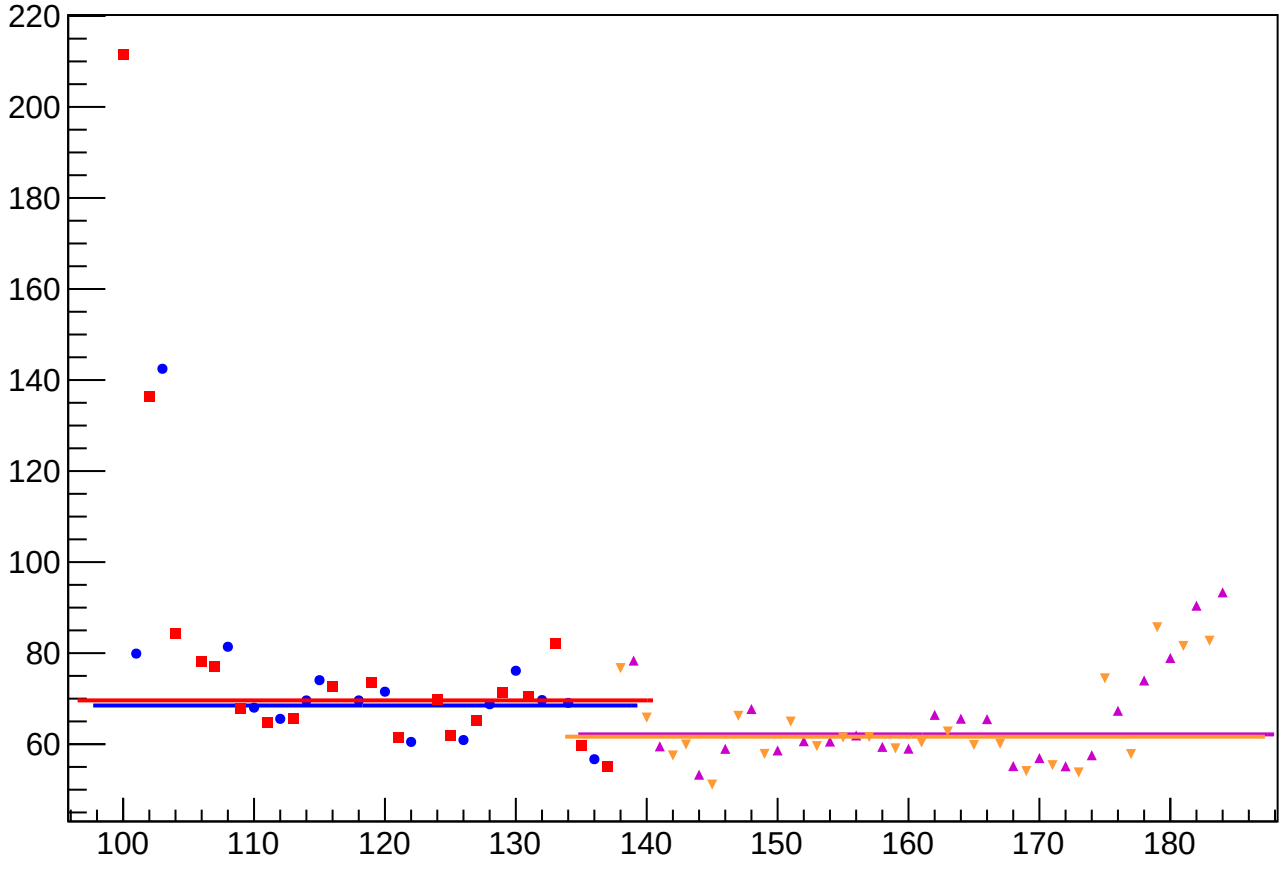
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 35.049+/-12.555 χ^2/NDF: 47.1/39

All: -11.435+/-8.980 χ^2/NDF: 133.1/81

- sign -60.133+/-12.850 χ^2/NDF: 57.9/41

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

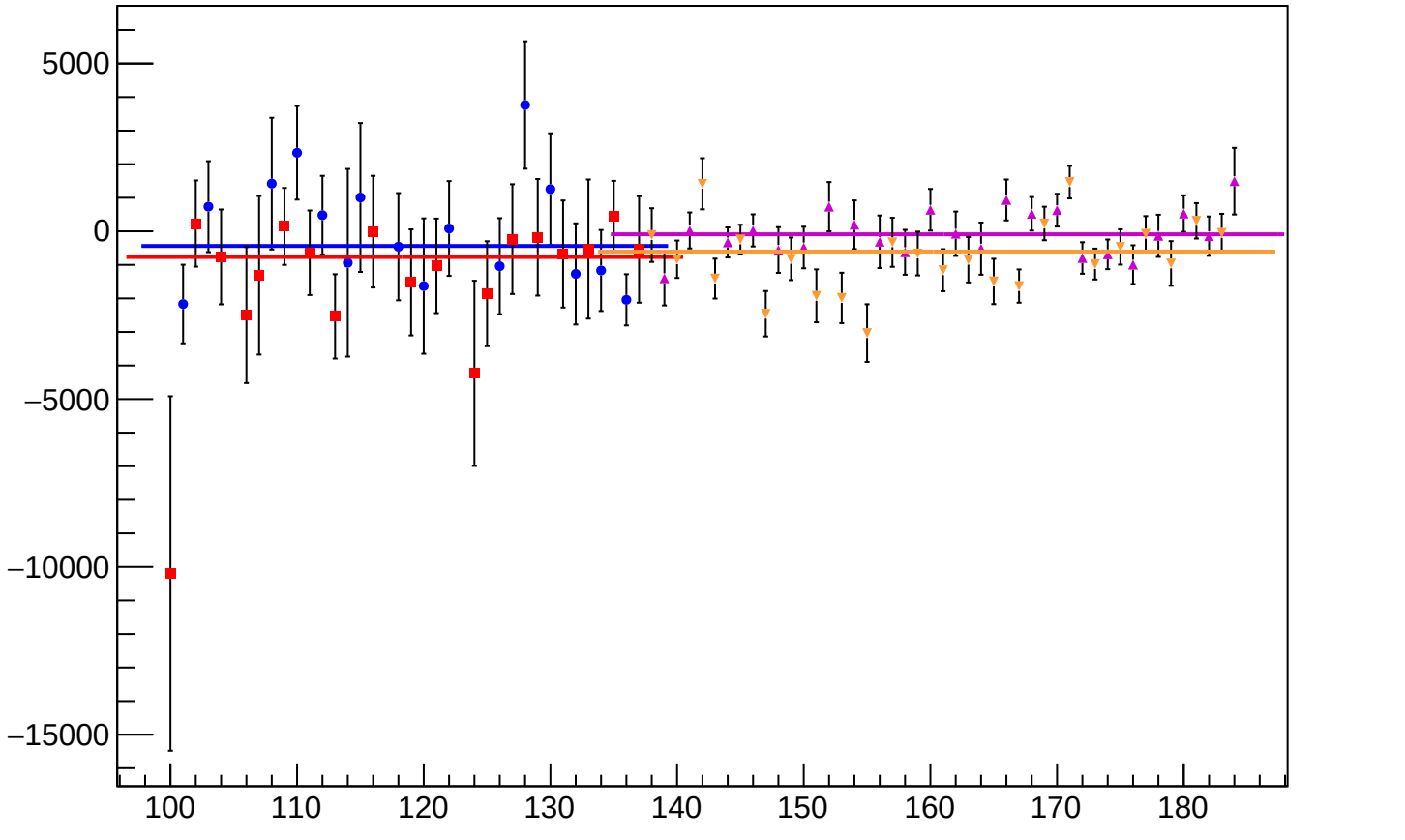
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.217+/-0.009 χ^2/NDF: 1209240.0/39

All: 63.559+/-0.006 χ^2/NDF: 2451918.7/81

- sign 63.918+/-0.009 χ^2/NDF: 1239630.7/41



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -603.547+/-120.951 χ^2/NDF:66.0/23

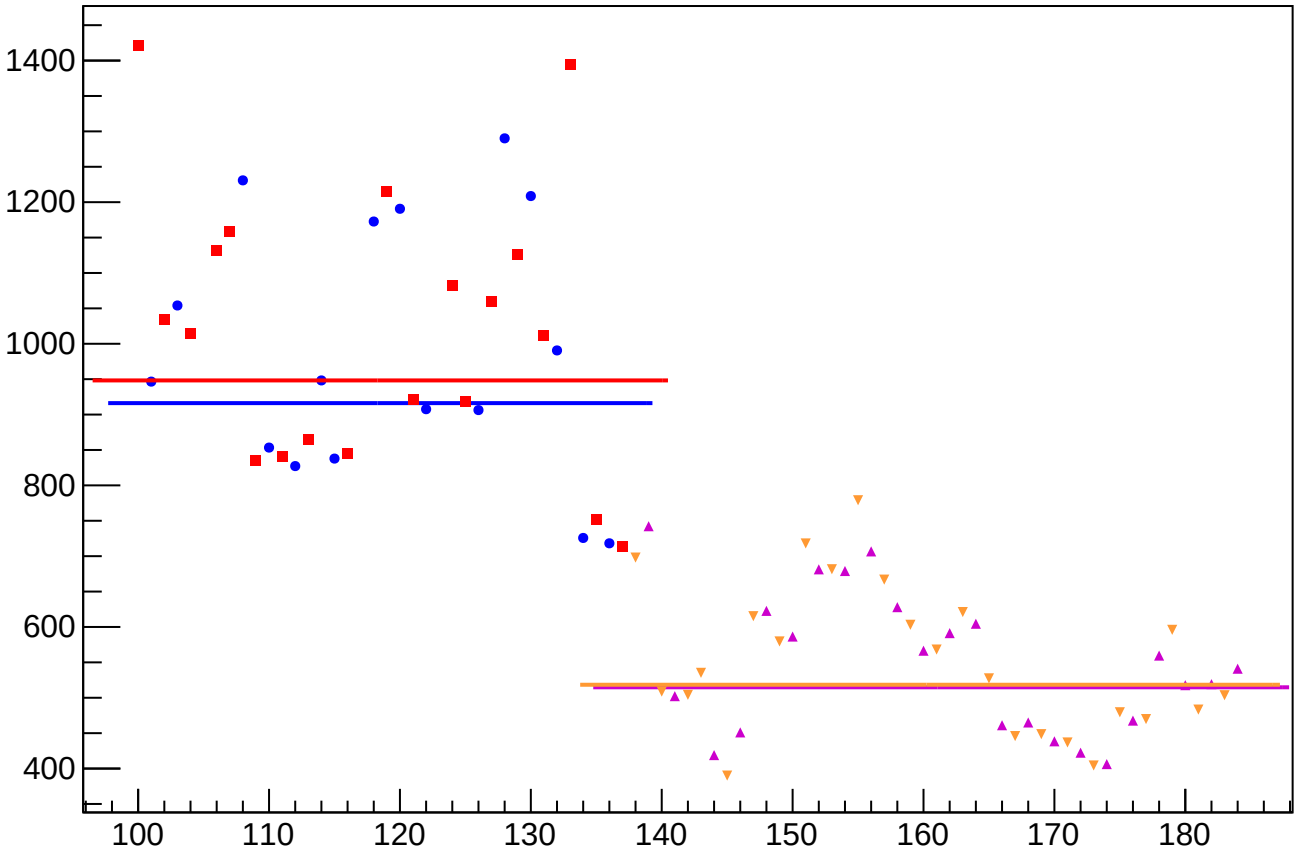
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -585.725+/-114.278 χ^2/NDF: 86.7/39

All: -376.070+/-81.314 χ^2/NDF: 132.7/81

- sign -161.073+/-115.725 χ^2/NDF: 39.2/41



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

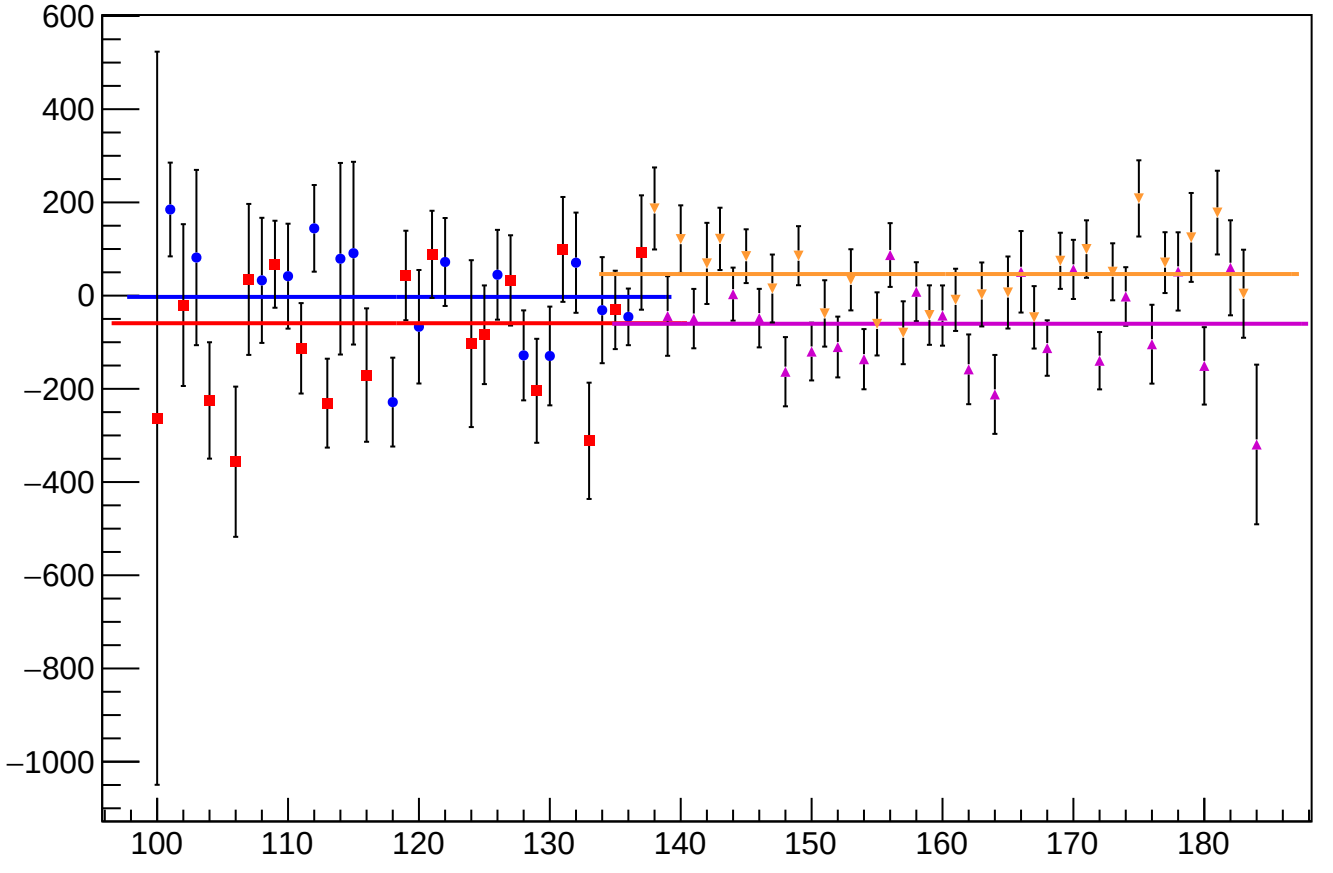
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

\+ sign 561.065+/-0.081 χ^2/NDF: 4074412.0/39

All: 561.207+/-0.057 χ^2/NDF: 8300807.3/81

\- sign 561.352+/-0.082 χ^2/NDF: 4226389.1/41

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

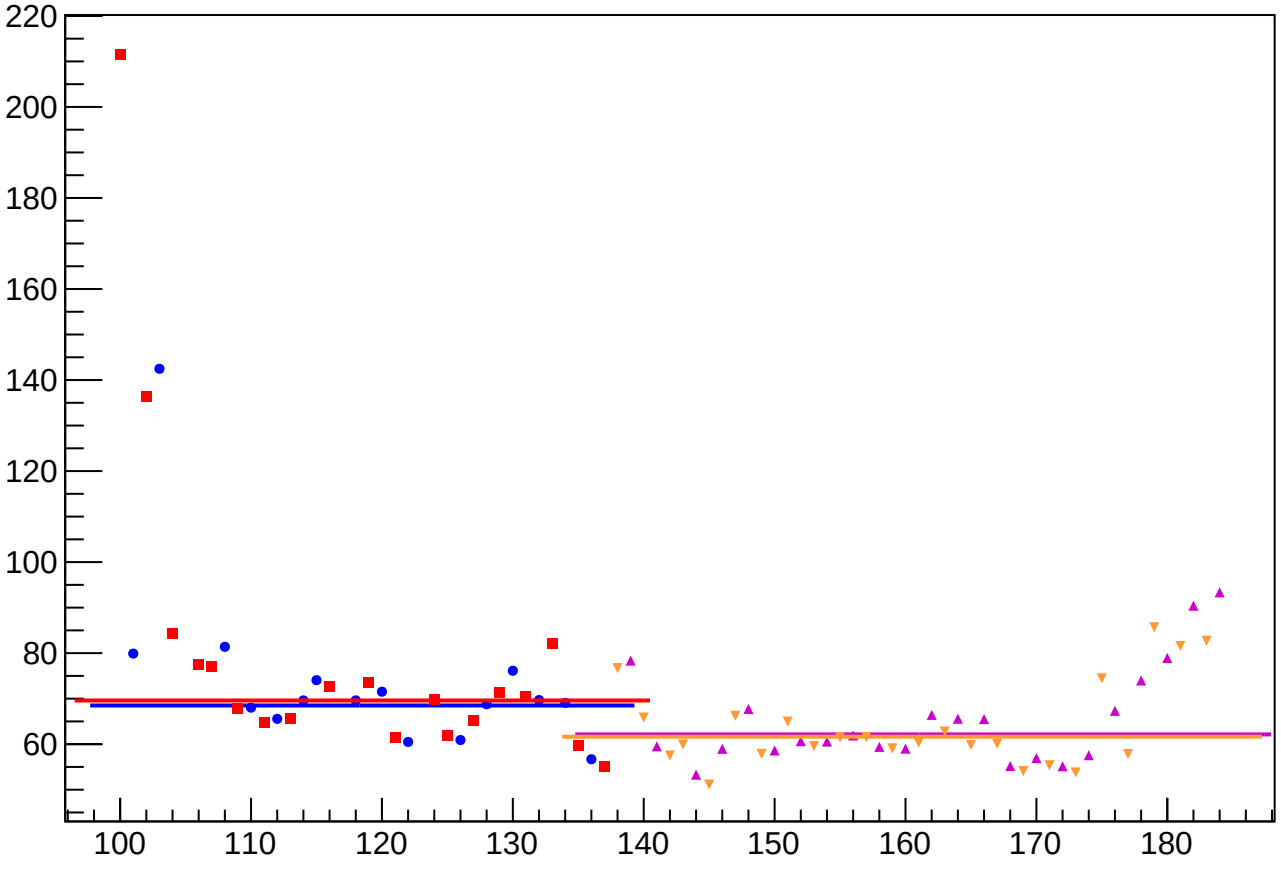
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 35.050+/-12.555 χ^2/NDF: 47.1/39

All: -11.419+/-8.980 χ^2/NDF: 133.0/81

- sign -60.103+/-12.850 χ^2/NDF: 57.8/41

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

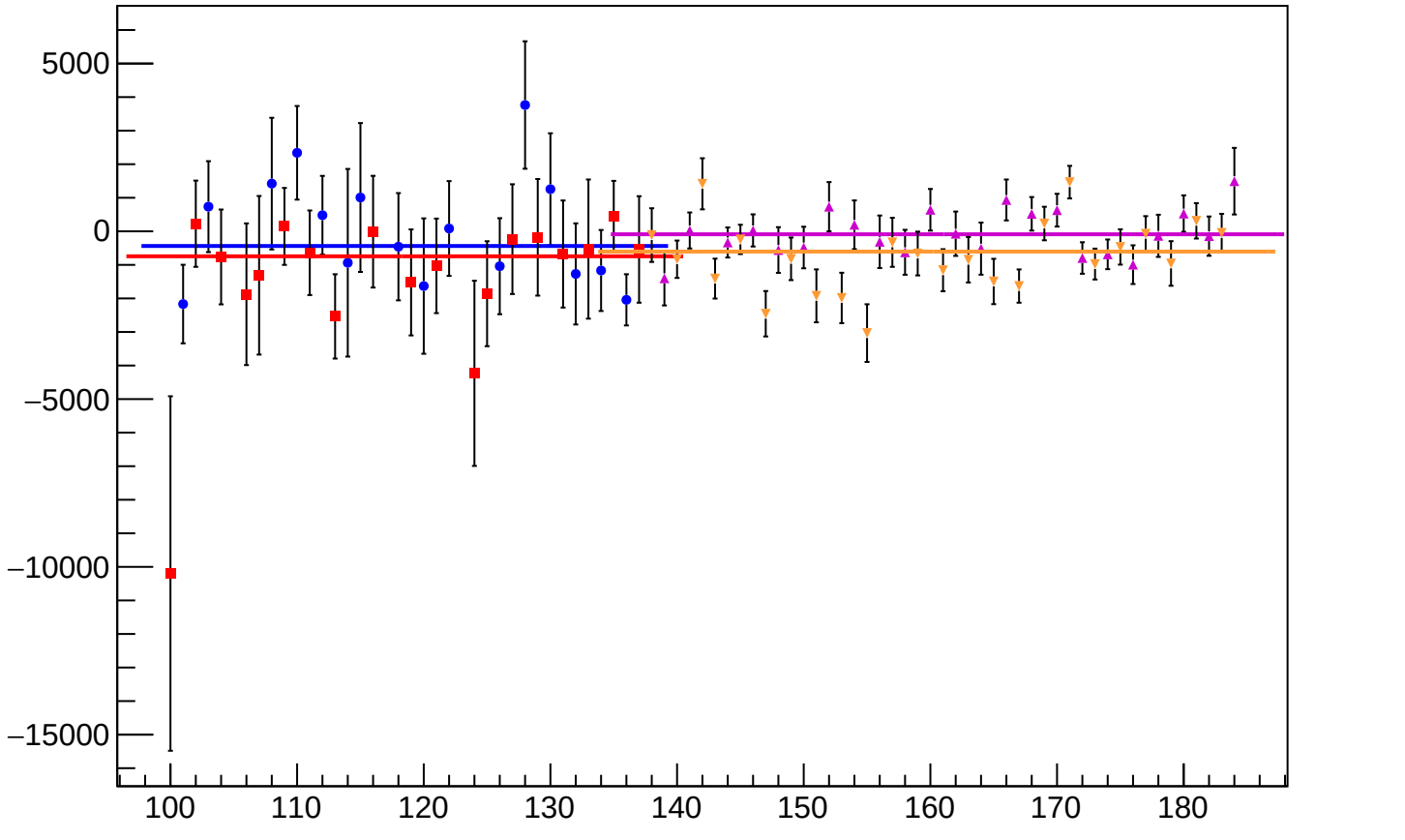
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

\+ sign 63.217+/-0.009 χ^2/NDF: 1209243.0/39

All: 63.557+/-0.006 χ^2/NDF: 2450628.5/81

\- sign 63.913+/-0.009 χ^2/NDF: 1238378.1/41



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -603.542+/-120.951 χ^2/NDF:66.0/23

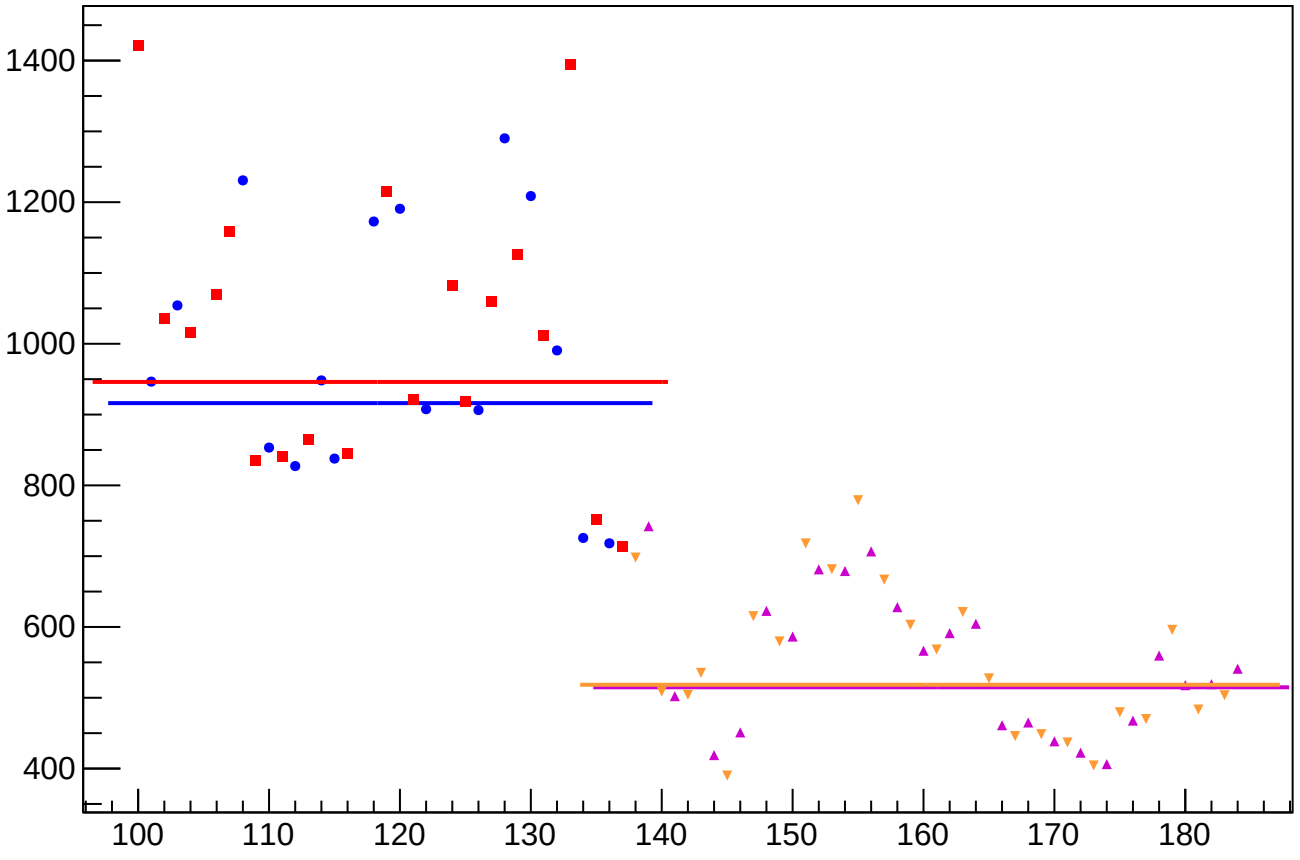
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -585.718+/-114.278 χ^2/NDF: 86.7/39

All: -374.906+/-81.319 χ^2/NDF: 132.1/81

\- sign -158.667+/-115.740 χ^2/NDF: 38.5/41



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

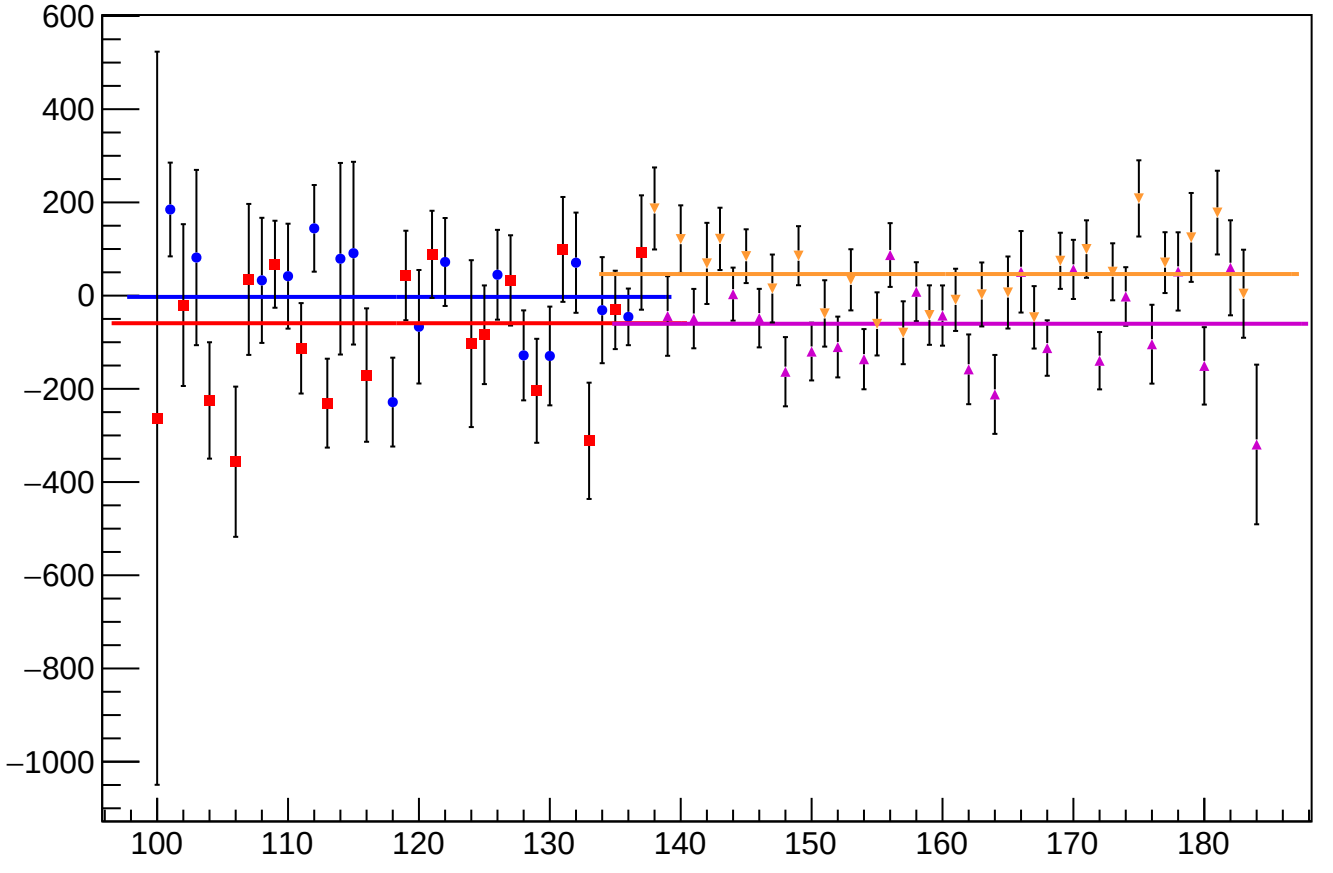
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 561.065+/-0.081 χ^2/NDF: 4074463.8/39

All: 561.043+/-0.058 χ^2/NDF: 8258668.6/81

- sign 561.020+/-0.082 χ^2/NDF: 4184204.7/41

eigen_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

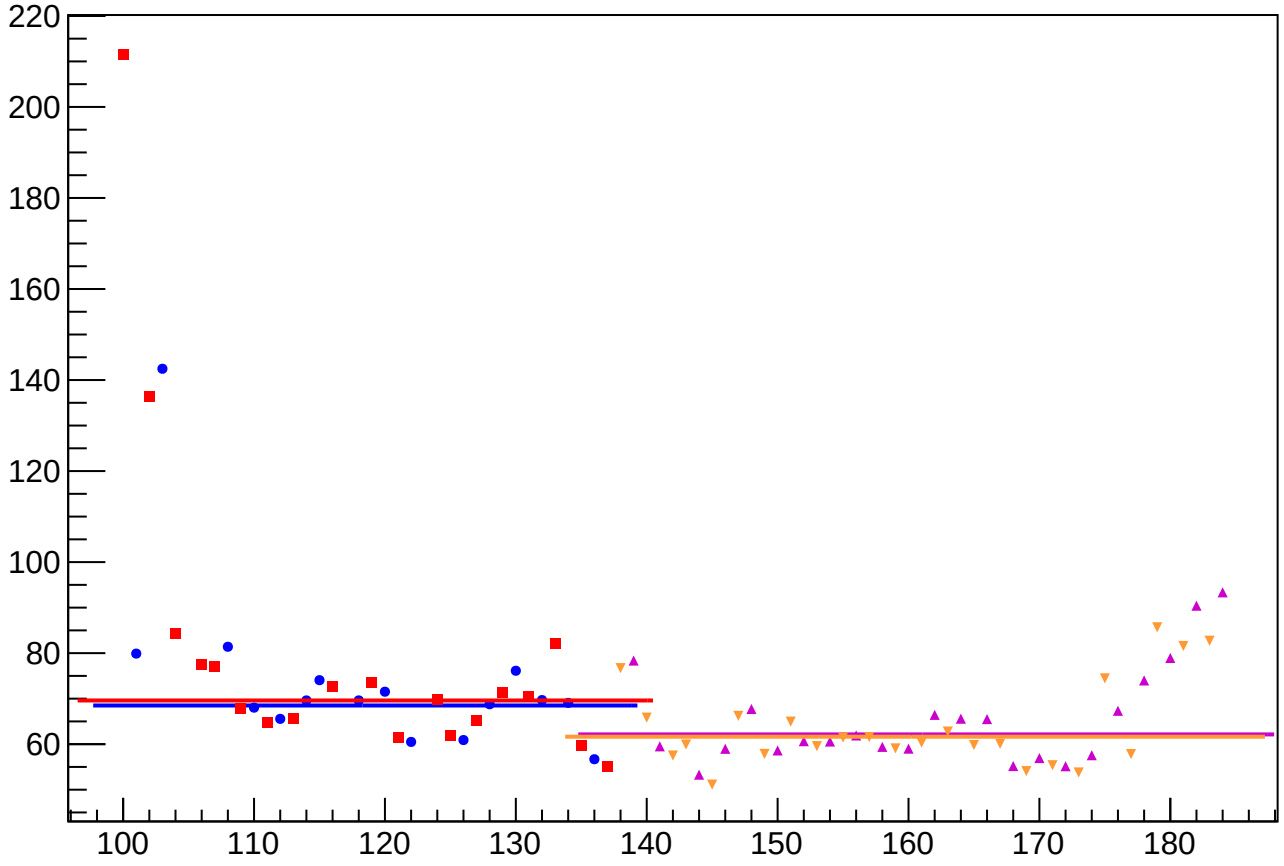
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 35.050+/-12.555 χ^2/NDF: 47.1/39

All: -11.419+/-8.980 χ^2/NDF: 133.0/81

- sign -60.103+/-12.850 χ^2/NDF: 57.8/41

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

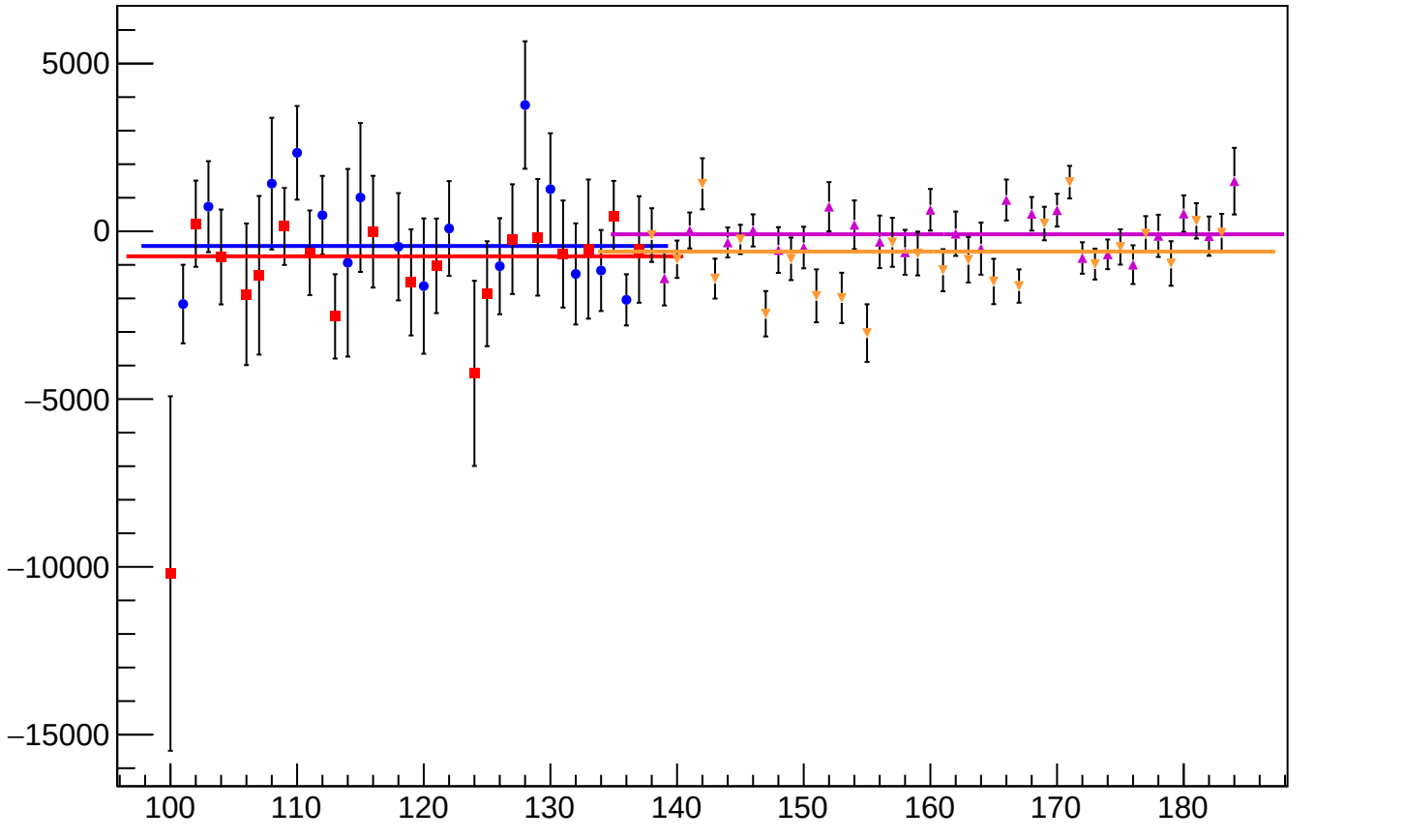
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.217+/-0.009 χ^2/NDF: 1209243.0/39

All: 63.557+/-0.006 χ^2/NDF: 2450628.5/81

- sign 63.913+/-0.009 χ^2/NDF: 1238378.1/41



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -603.542+/-120.951 χ^2/NDF:66.0/23

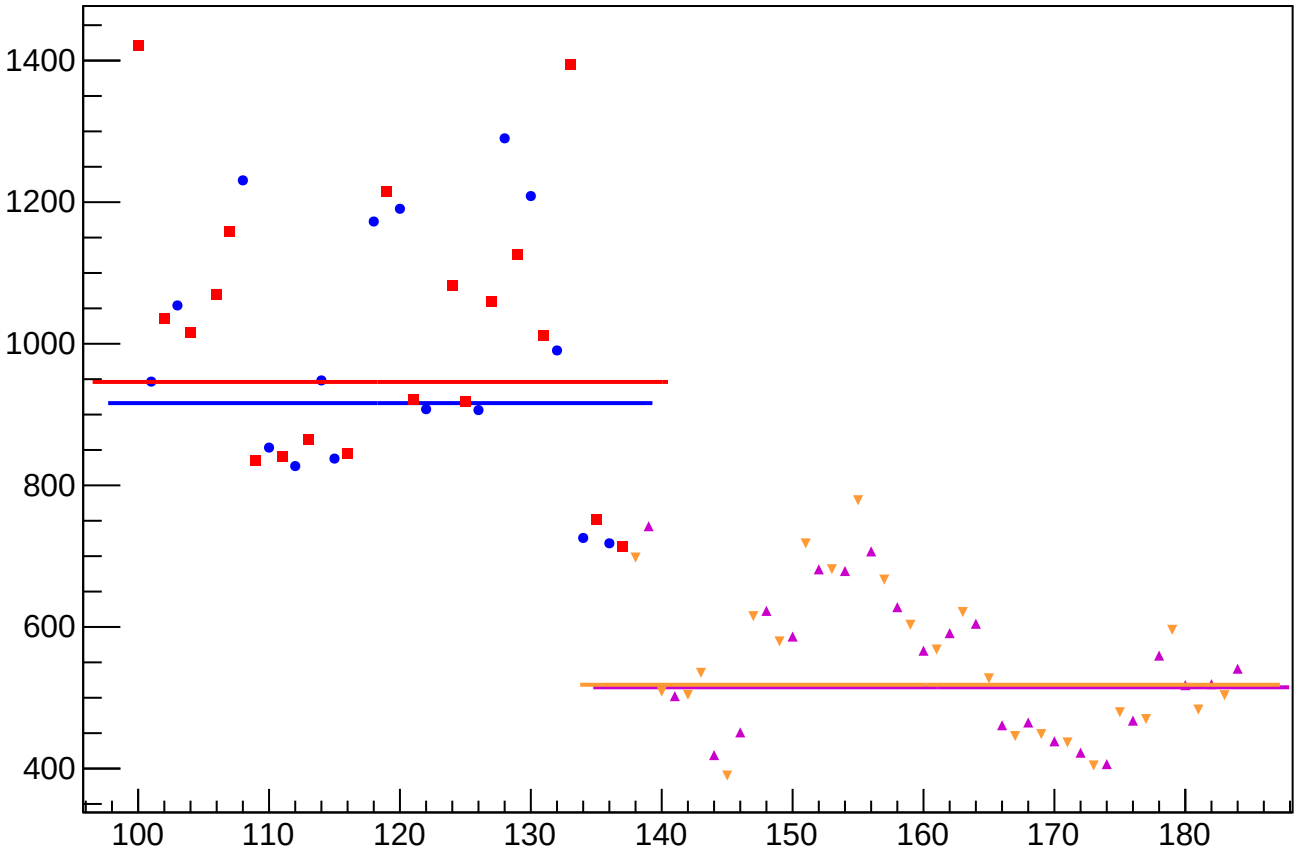
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -585.718+/-114.278 χ^2/NDF: 86.7/39

All: -374.906+/-81.319 χ^2/NDF: 132.1/81

- sign -158.667+/-115.740 χ^2/NDF: 38.5/41



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

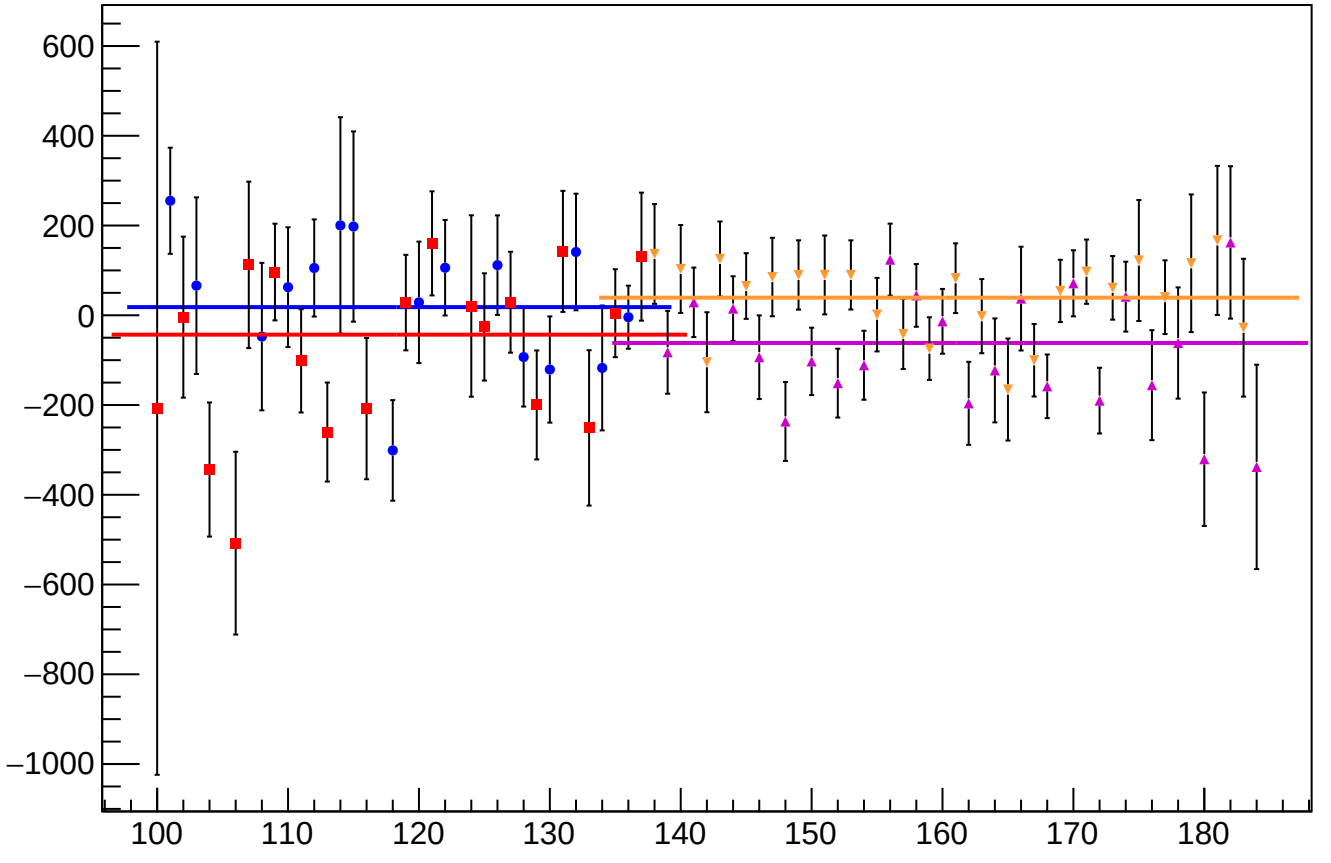
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

\+ sign 561.065+/-0.081 χ^2/NDF: 4074463.8/39

All: 561.043+/-0.058 χ^2/NDF: 8258668.6/81

\- sign 561.020+/-0.082 χ^2/NDF: 4184204.7/41

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

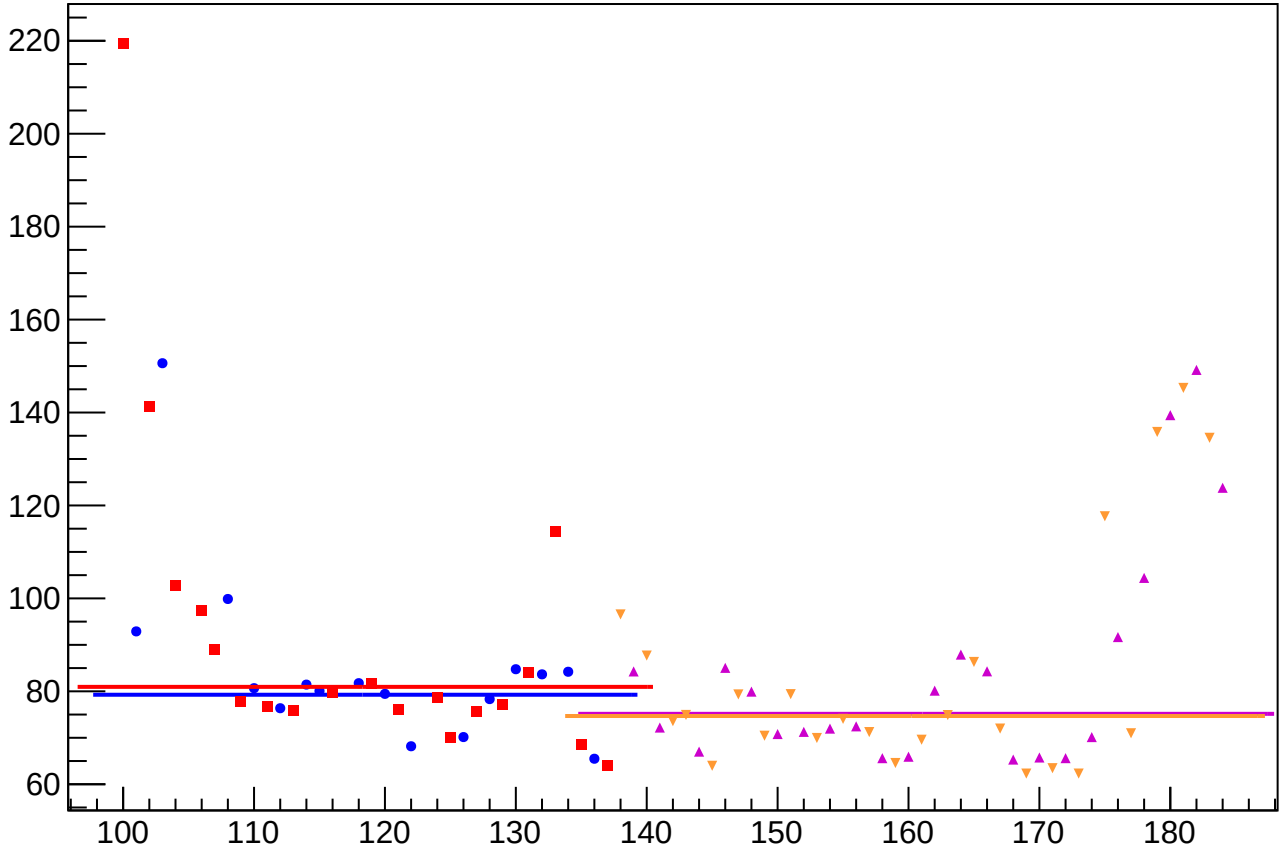
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.855+/-15.313 χ^2/NDF: 38.9/39

All: -10.531+/-10.946 χ^2/NDF: 120.8/81

- sign -56.897+/-15.651 χ^2/NDF: 64.7/41

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

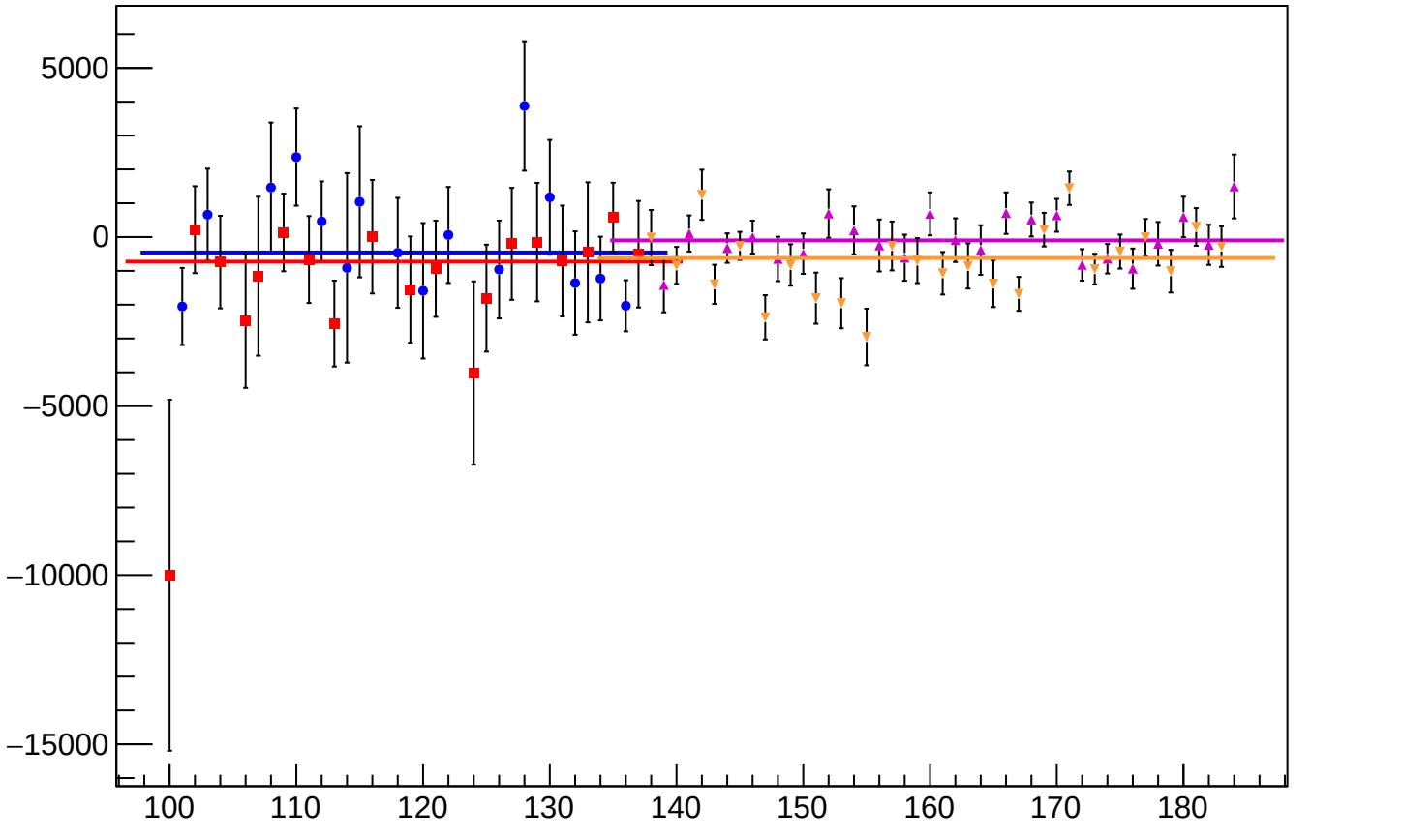
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 75.852+/-0.011 χ^2/NDF: 2101484.3/39

All: 76.249+/-0.008 χ^2/NDF: 3983819.2/81

- sign 76.663+/-0.011 χ^2/NDF: 1879591.1/41



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -620.757+/-120.161 χ^2/NDF:62.6/23

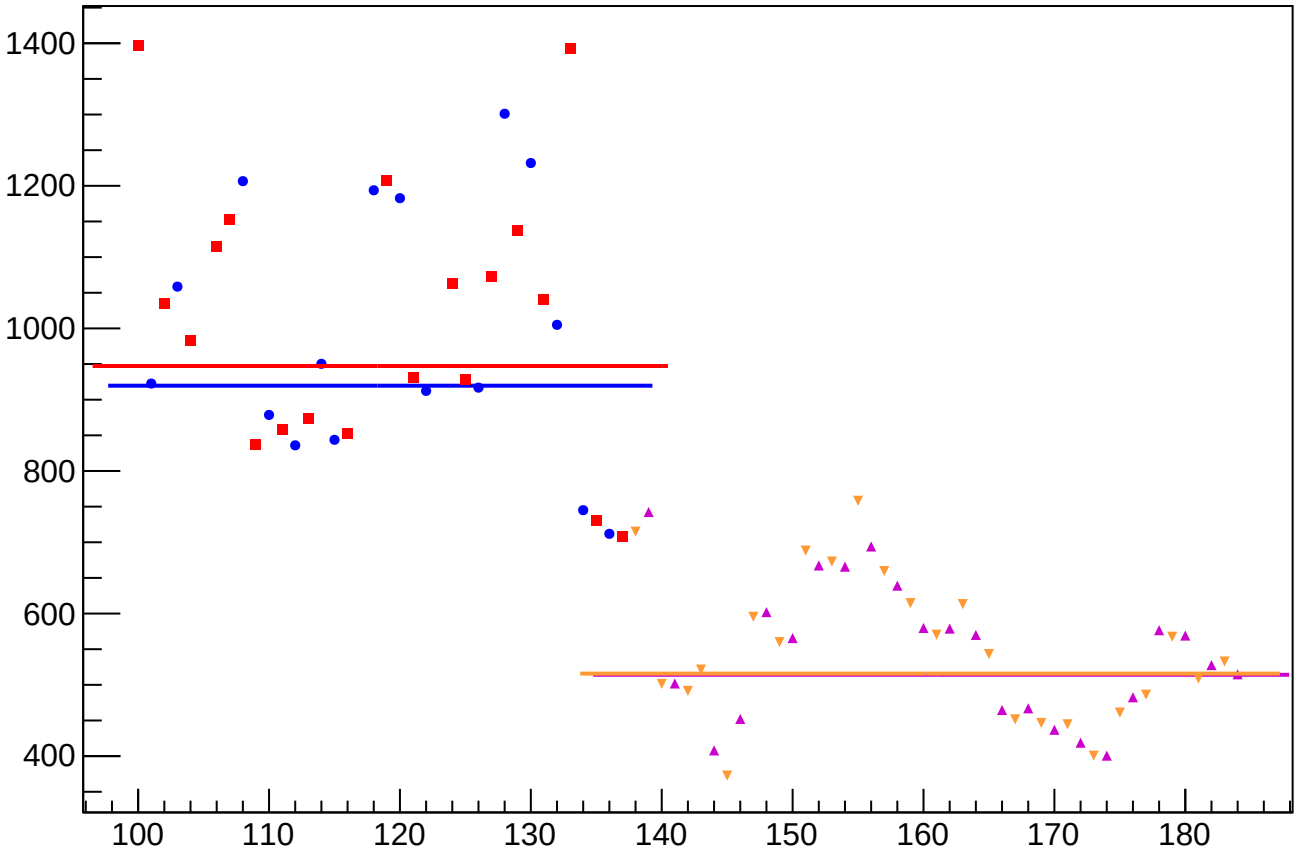
Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

\+ sign -603.614+/-113.652 χ^2/NDF: 83.1/39

All: -388.802+/-81.028 χ^2/NDF: 128.5/81

\- sign -166.737+/-115.555 χ^2/NDF: 38.1/41



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

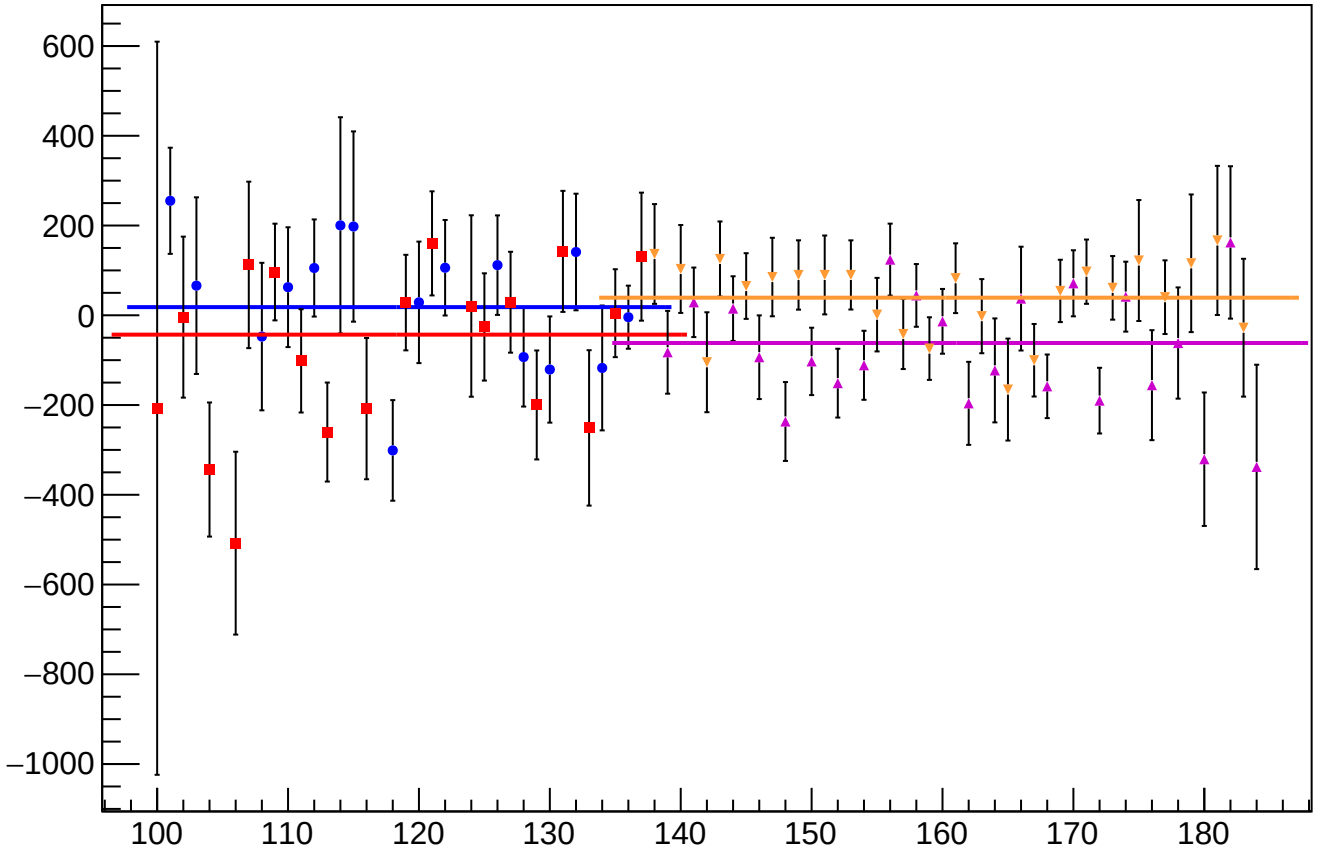
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 558.334+/-0.080 χ^2/NDF: 4129276.0/39

All: 559.458+/-0.057 χ^2/NDF: 8366904.6/81

- sign 560.619+/-0.082 χ^2/NDF: 4237231.0/41

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

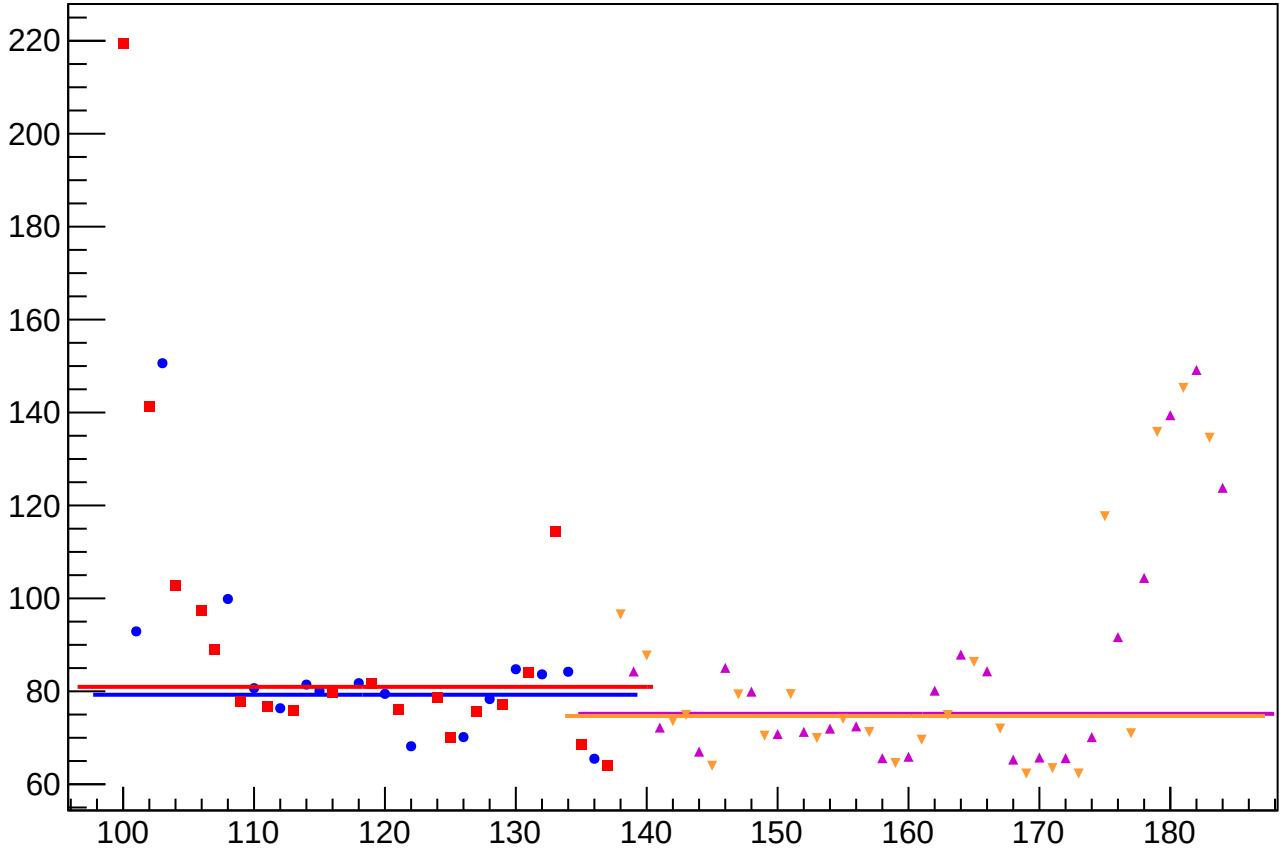
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.855+/-15.313 χ^2/NDF: 38.9/39

All: -10.530+/-10.946 χ^2/NDF: 120.8/81

- sign -56.896+/-15.651 χ^2/NDF: 64.7/41

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

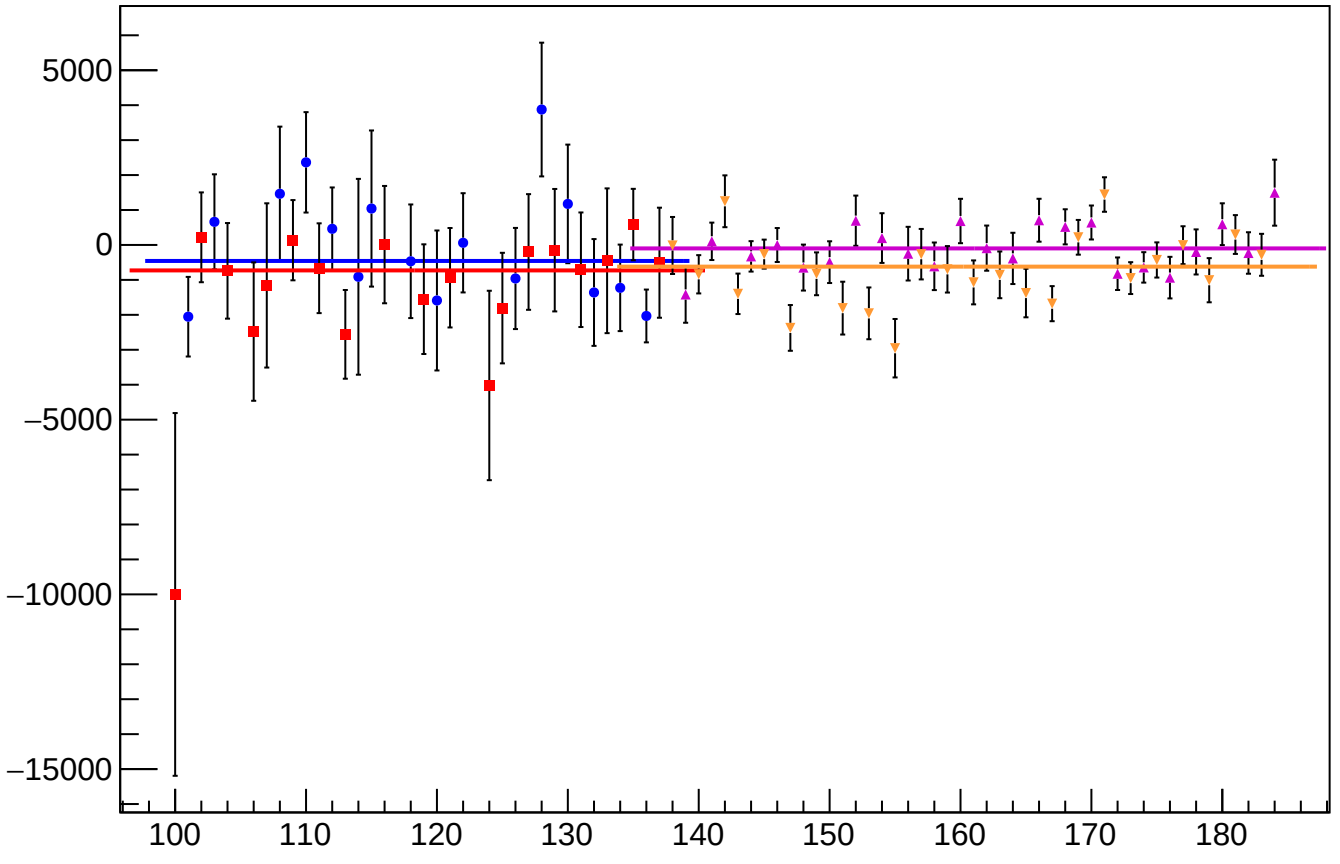
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

\+ sign 75.852+/-0.011 χ^2/NDF: 2101474.1/39

All: 76.249+/-0.008 χ^2/NDF: 3983794.8/81

\- sign 76.663+/-0.011 χ^2/NDF: 1879576.6/41



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -620.756+/-120.161 χ^2/NDF:62.6/23

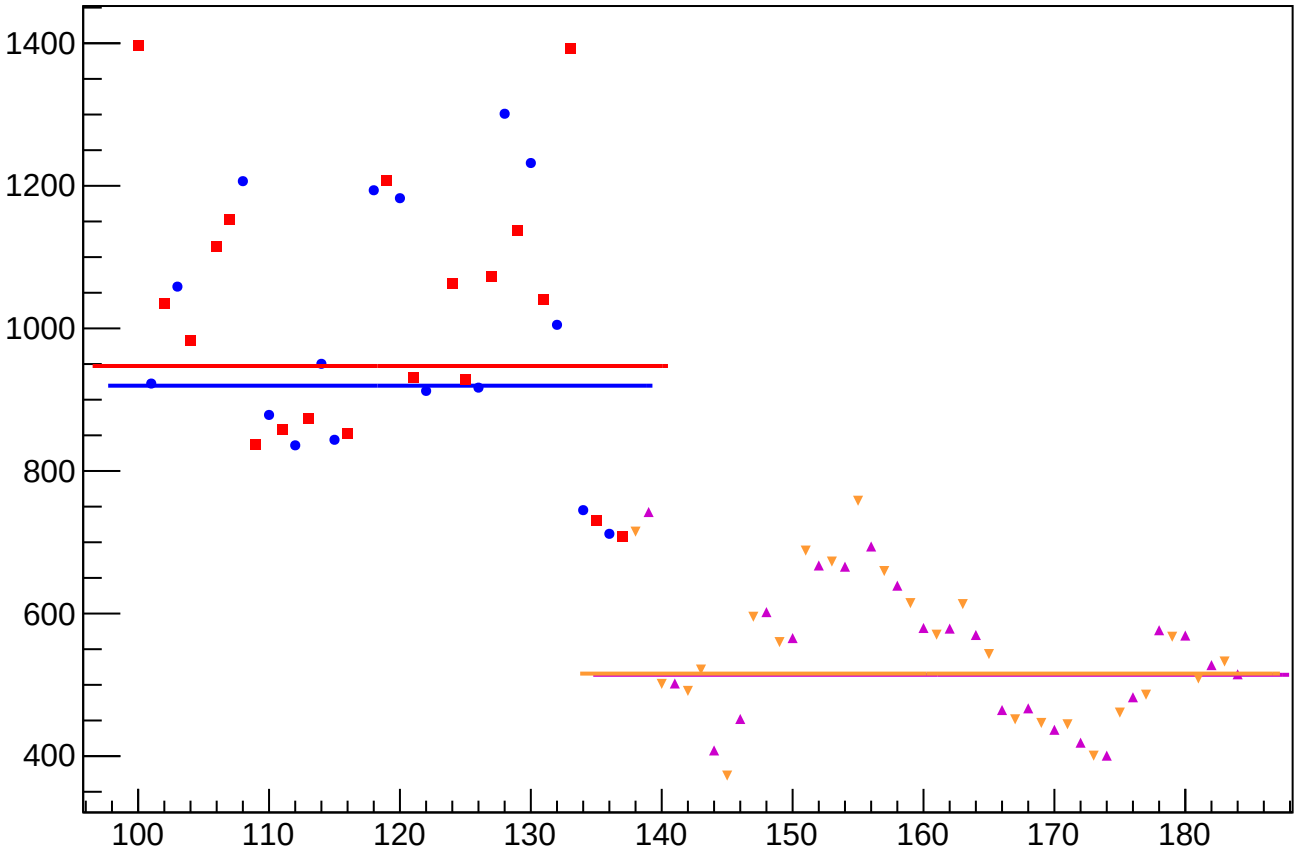
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -603.613+/-113.652 χ^2/NDF: 83.1/39

All: -388.801+/-81.028 χ^2/NDF: 128.5/81

- sign -166.737+/-115.555 χ^2/NDF: 38.1/41



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

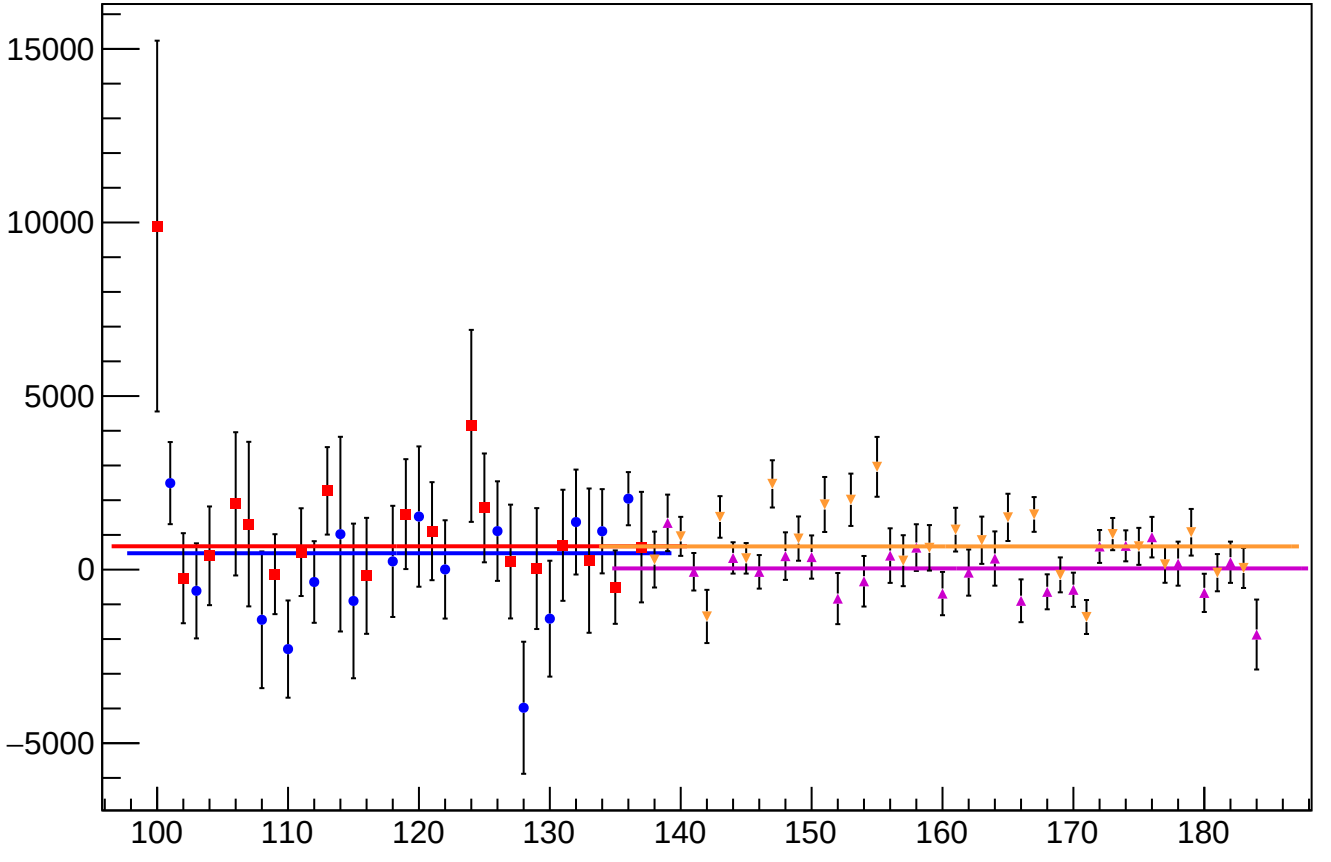
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 558.333+/-0.080 χ^2/NDF: 4129276.3/39

All: 559.457+/-0.057 χ^2/NDF: 8366899.7/81

- sign 560.618+/-0.082 χ^2/NDF: 4237225.8/41

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

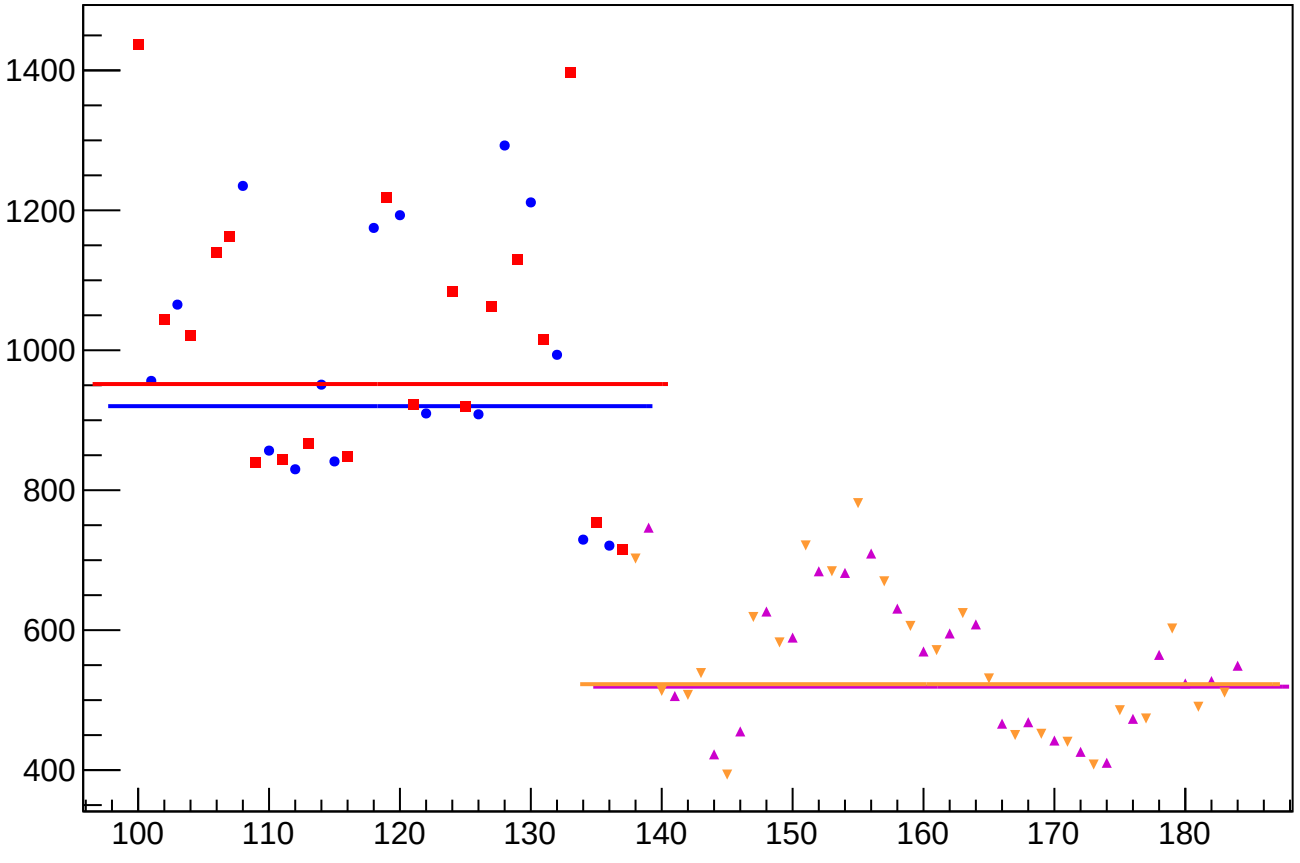
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 647.618+/-115.166 χ^2/NDF: 82.4/39

All: 379.190+/-81.951 χ^2/NDF: 131.7/81

- sign 103.843+/-116.640 χ^2/NDF: 38.3/41

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

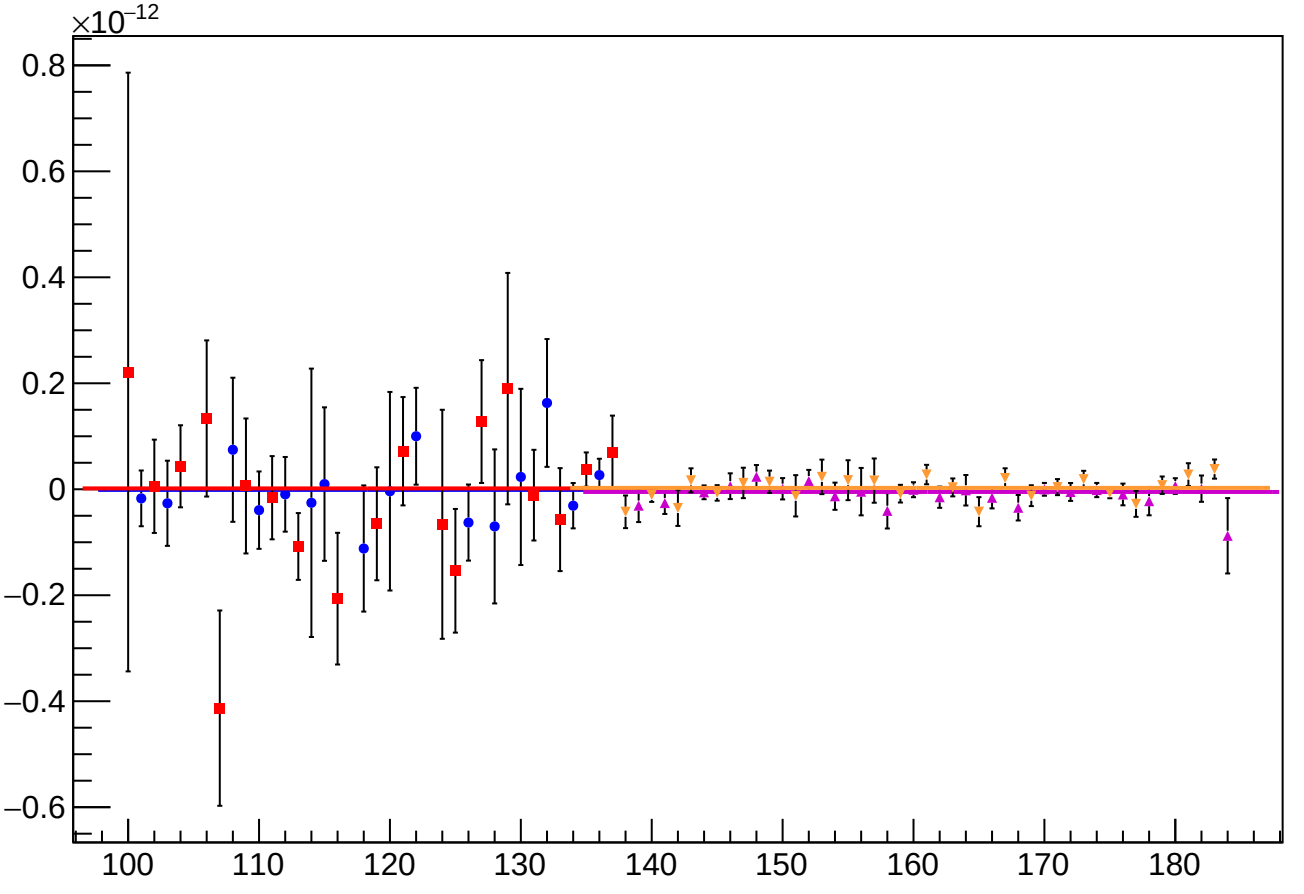
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 565.717+/-0.081 χ^2/NDF: 4024886.4/39

All: 565.885+/-0.058 χ^2/NDF: 8195898.4/81

- sign 566.057+/-0.082 χ^2/NDF: 4171003.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/23

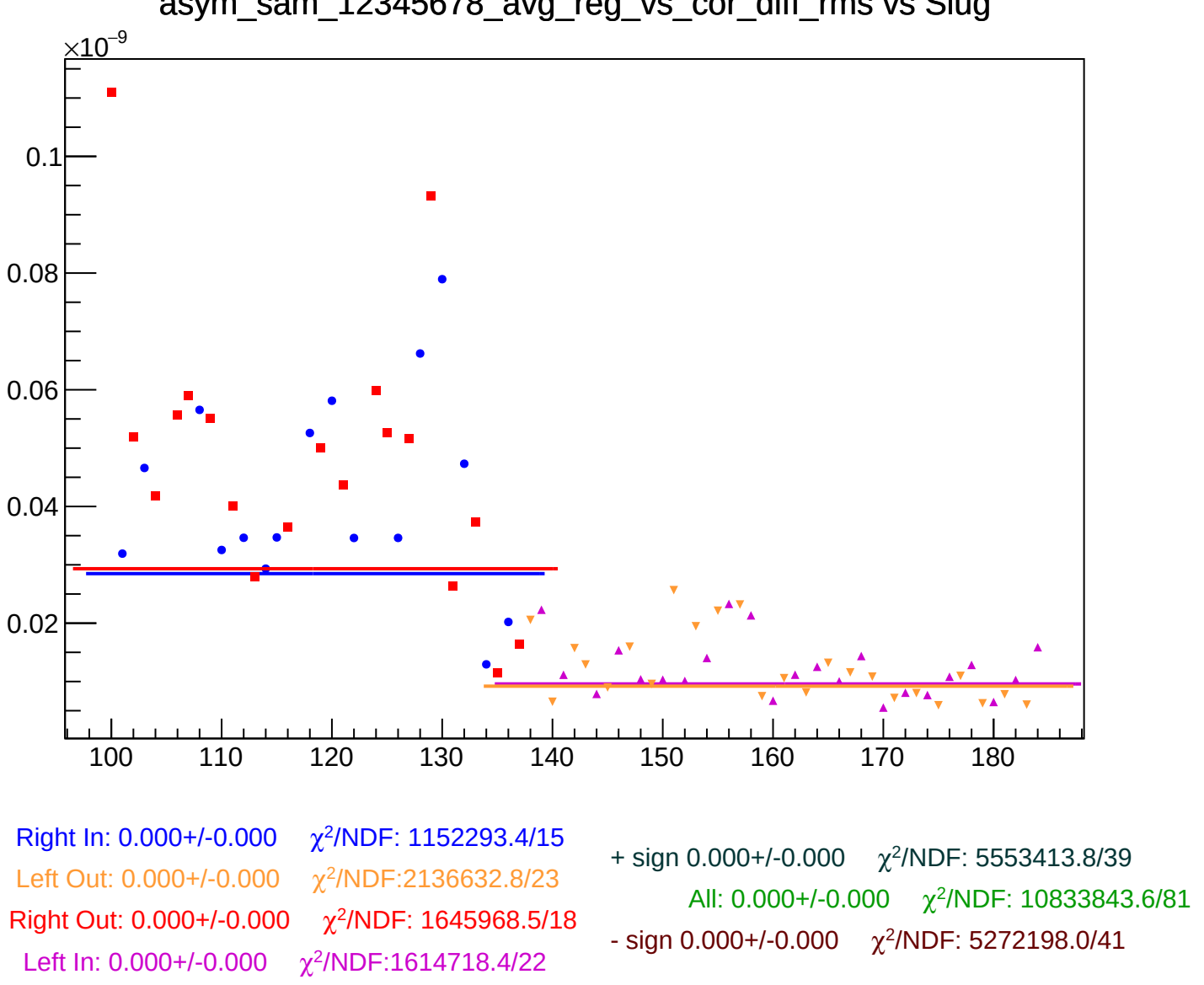
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

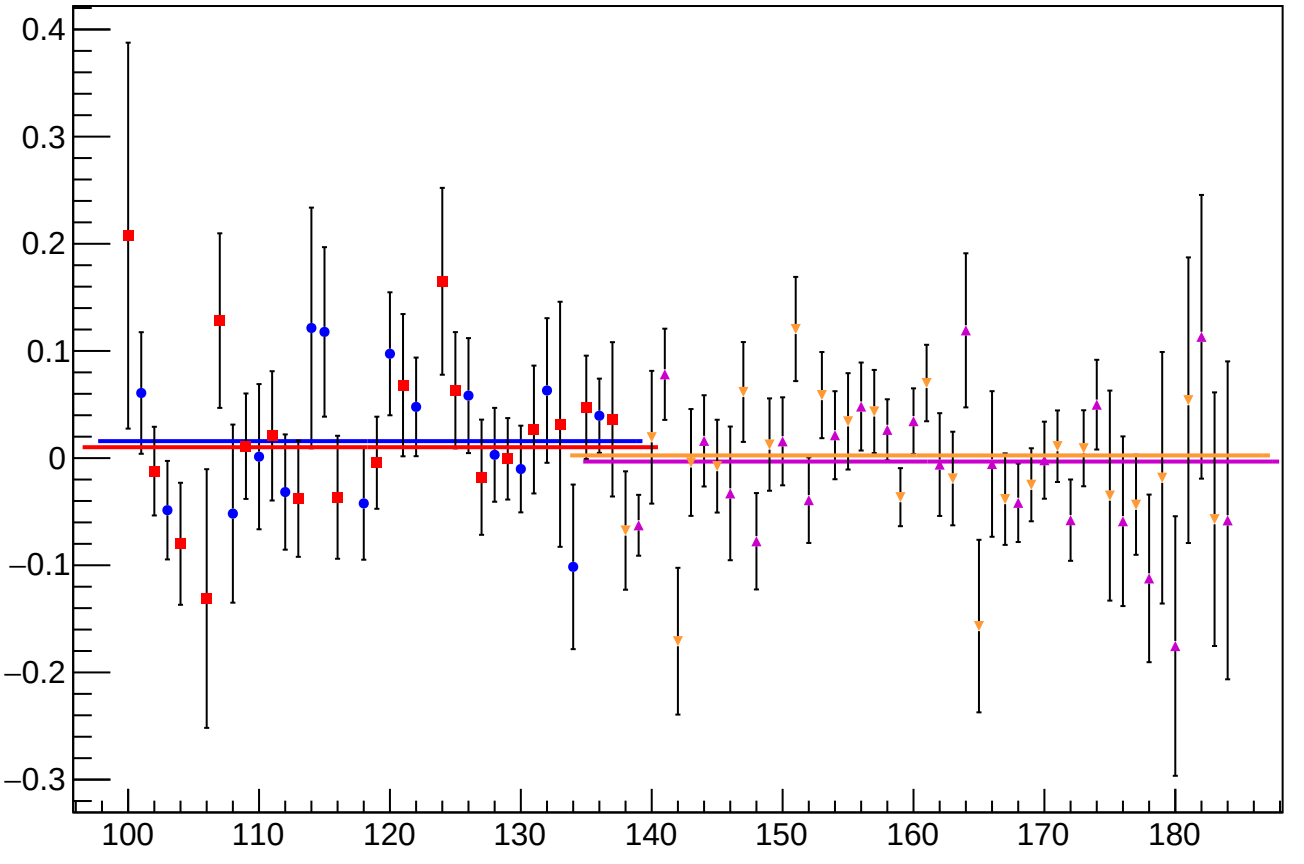
Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.9/39

All: -0.000+/-0.000 χ^2/NDF: 60.9/81

- sign -0.000+/-0.000 χ^2/NDF: 30.3/41


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:1614718.4/22
+ sign 0.000+/-0.000 χ²/NDF: 5553413.8/39
All: 0.000+/-0.000 χ²/NDF: 10833843.6/81
- sign 0.000+/-0.000 χ²/NDF: 5272198.0/41



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.3/23

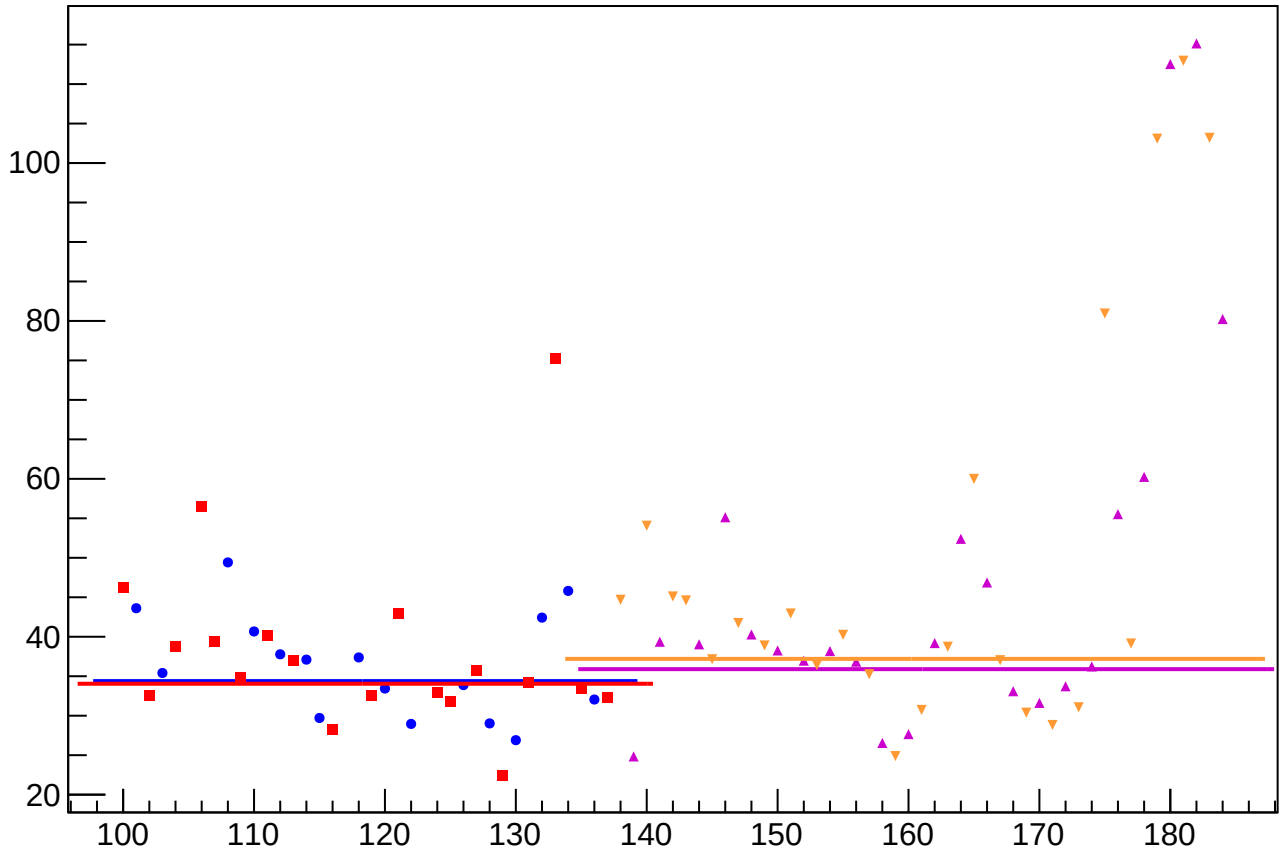
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 47.8/39

All: 0.004+/-0.005 χ^2/NDF: 93.7/81

- sign 0.001+/-0.008 χ^2/NDF: 45.6/41



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528921.8/23

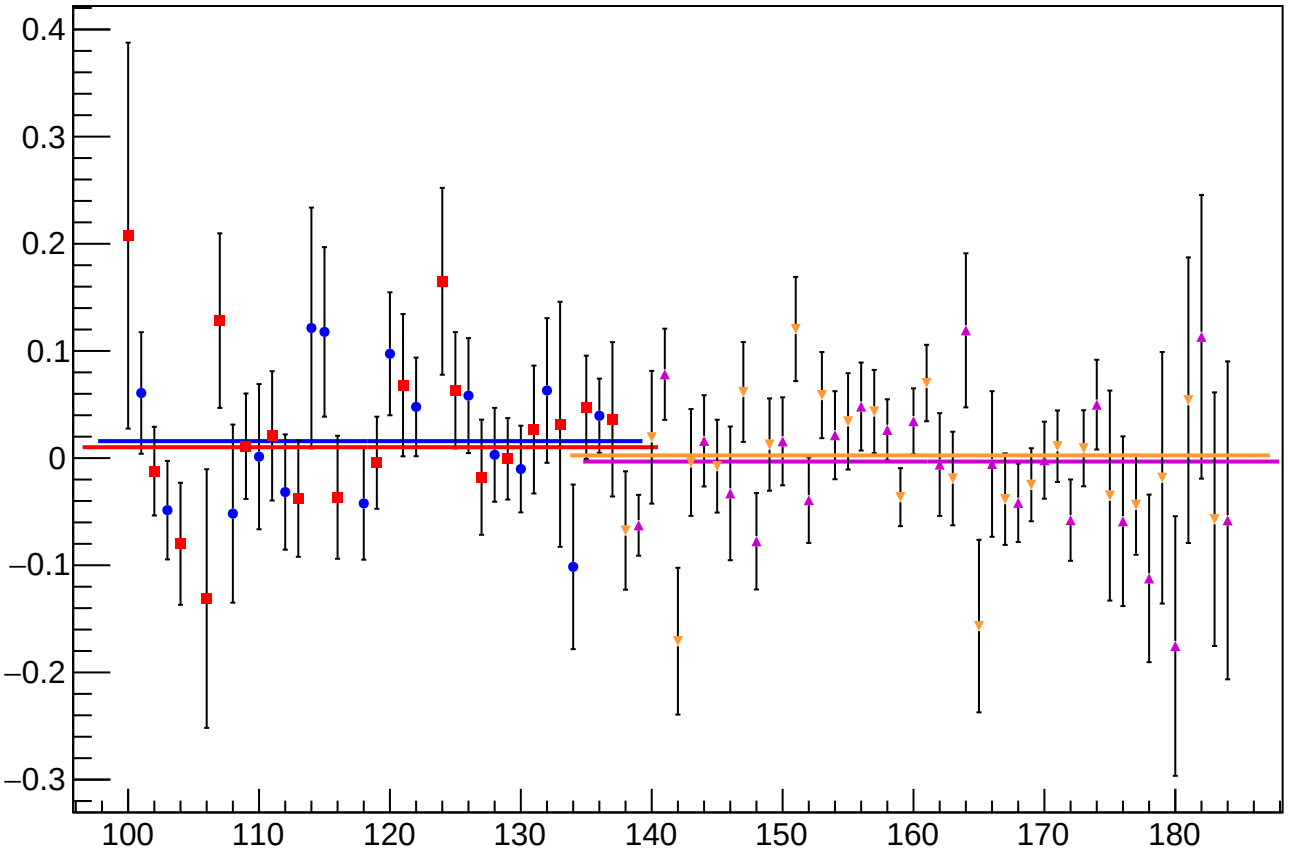
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.285+/-0.005 χ^2/NDF: 3956551.3/39

All: 35.784+/-0.004 χ^2/NDF: 7781070.4/81

- sign 35.296+/-0.005 χ^2/NDF: 3807447.3/41



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.3/23

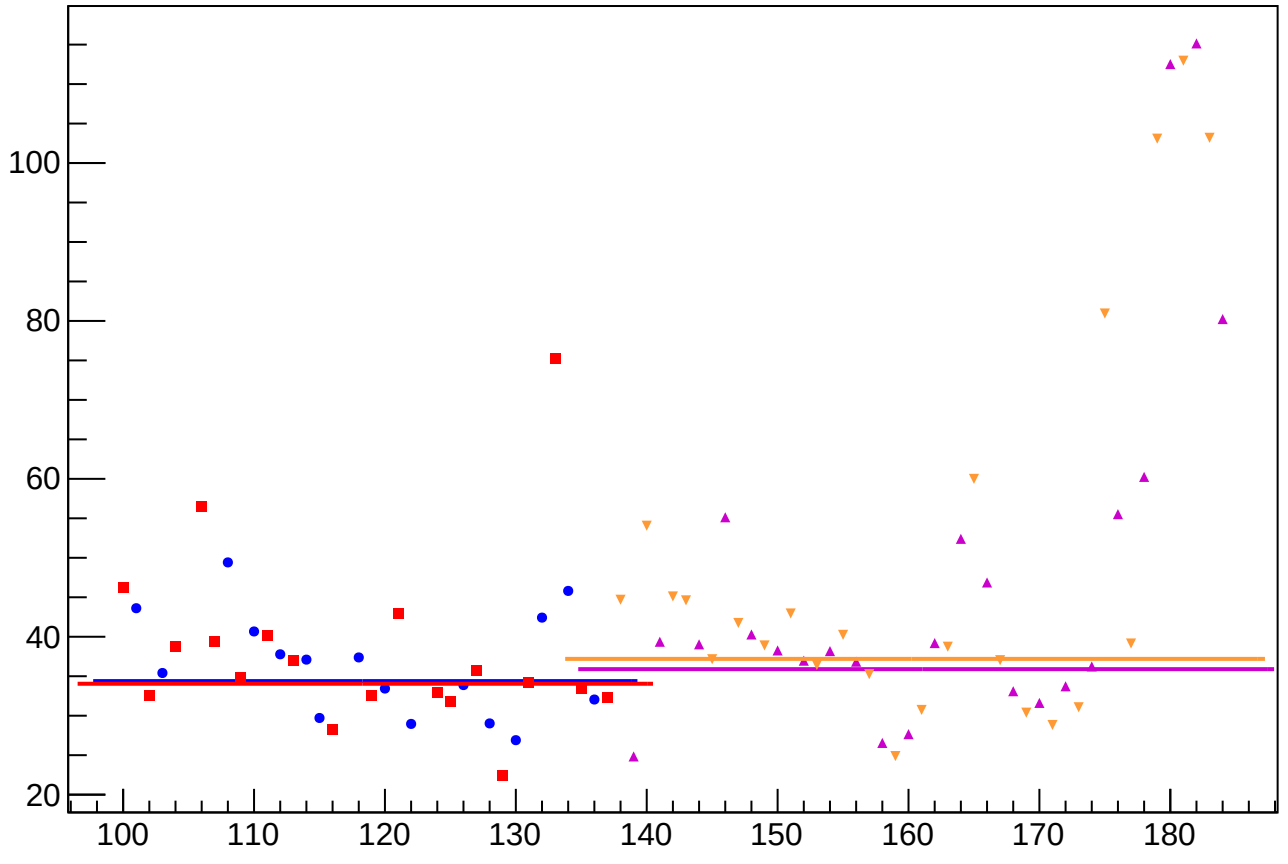
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 47.8/39

All: 0.004+/-0.005 χ^2/NDF: 93.7/81

- sign 0.001+/-0.008 χ^2/NDF: 45.6/41



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528921.8/23

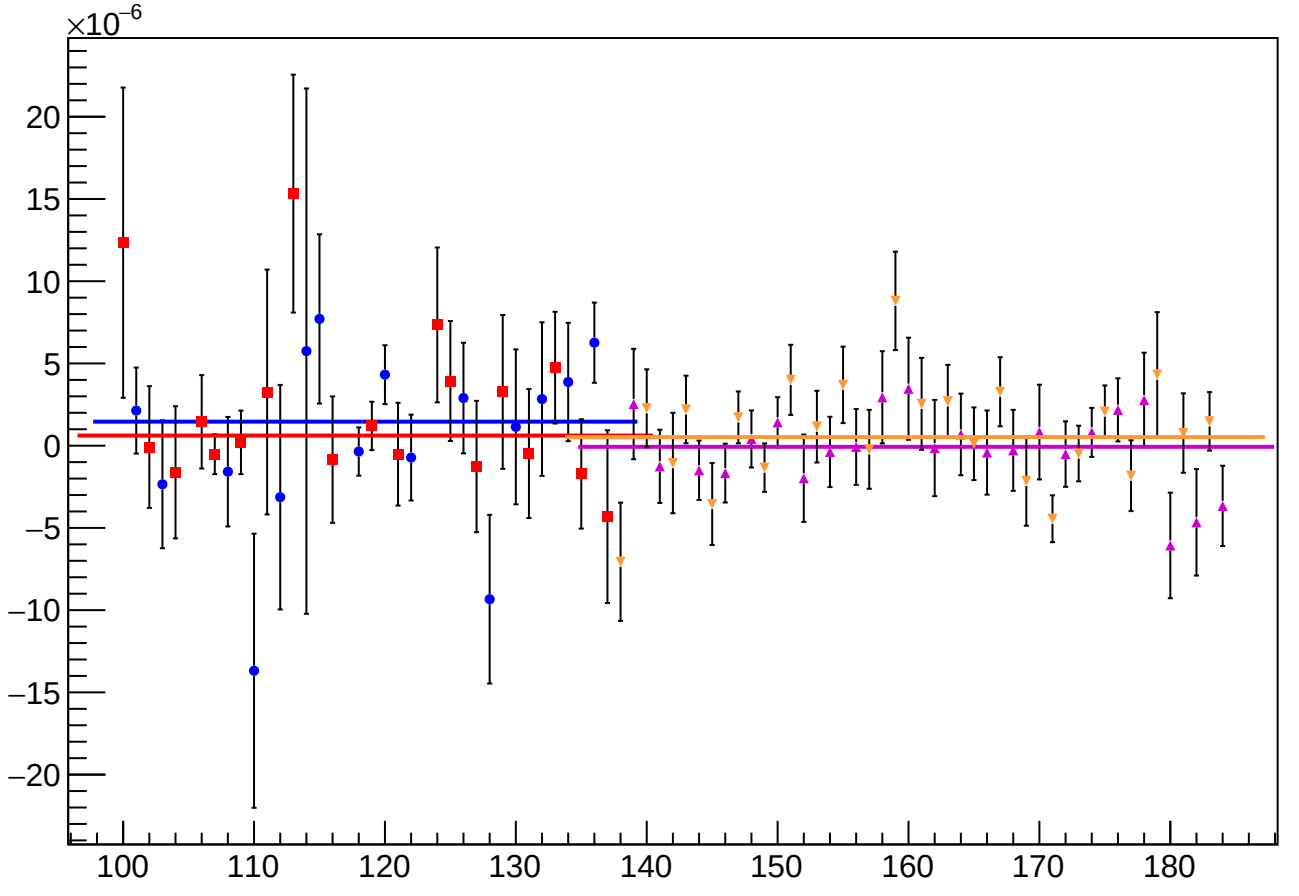
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.285+/-0.005 χ^2/NDF: 3956551.3/39

All: 35.784+/-0.004 χ^2/NDF: 7781070.4/81

- sign 35.296+/-0.005 χ^2/NDF: 3807447.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/23

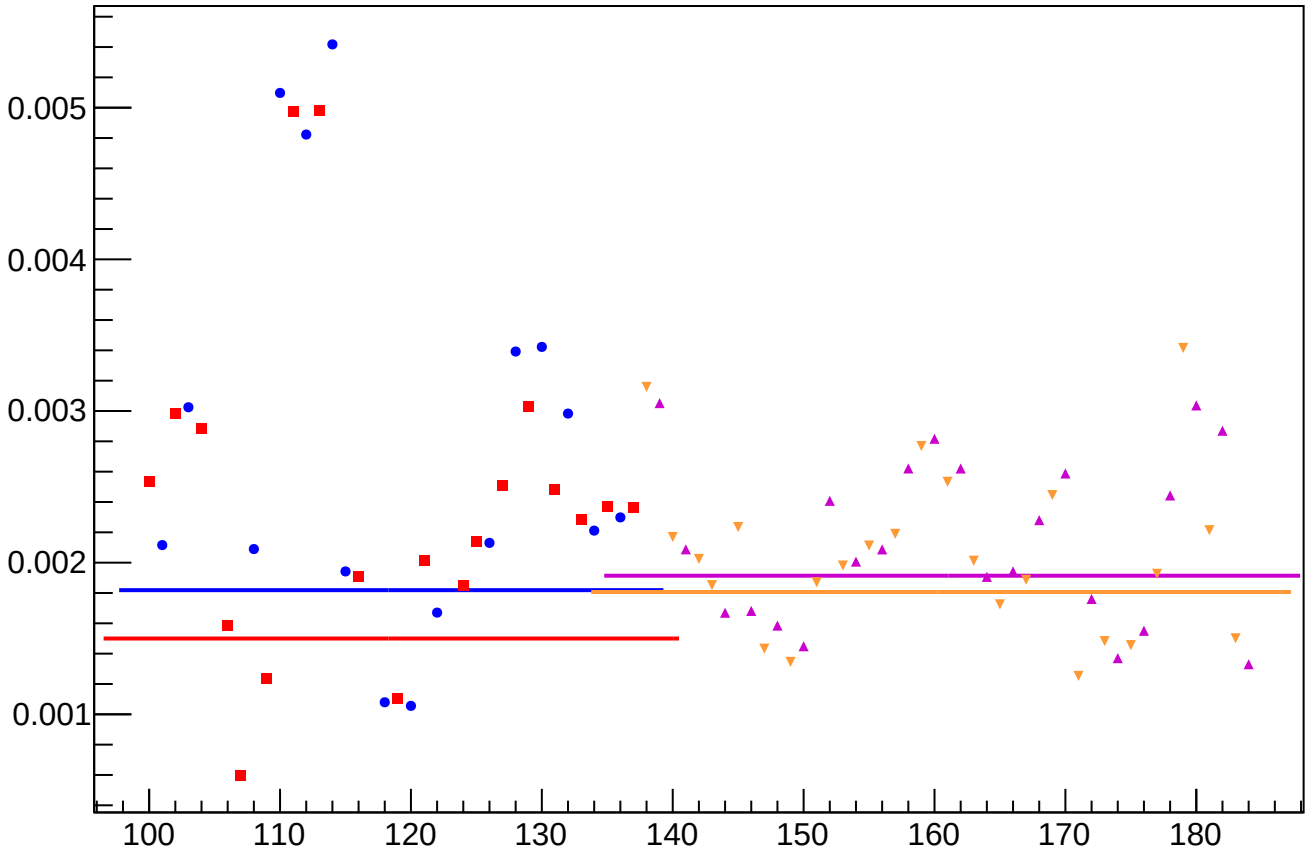
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.4/39

All: 0.000+/-0.000 χ^2/NDF: 98.2/81

- sign 0.000+/-0.000 χ^2/NDF: 31.6/41



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2236480.9/23

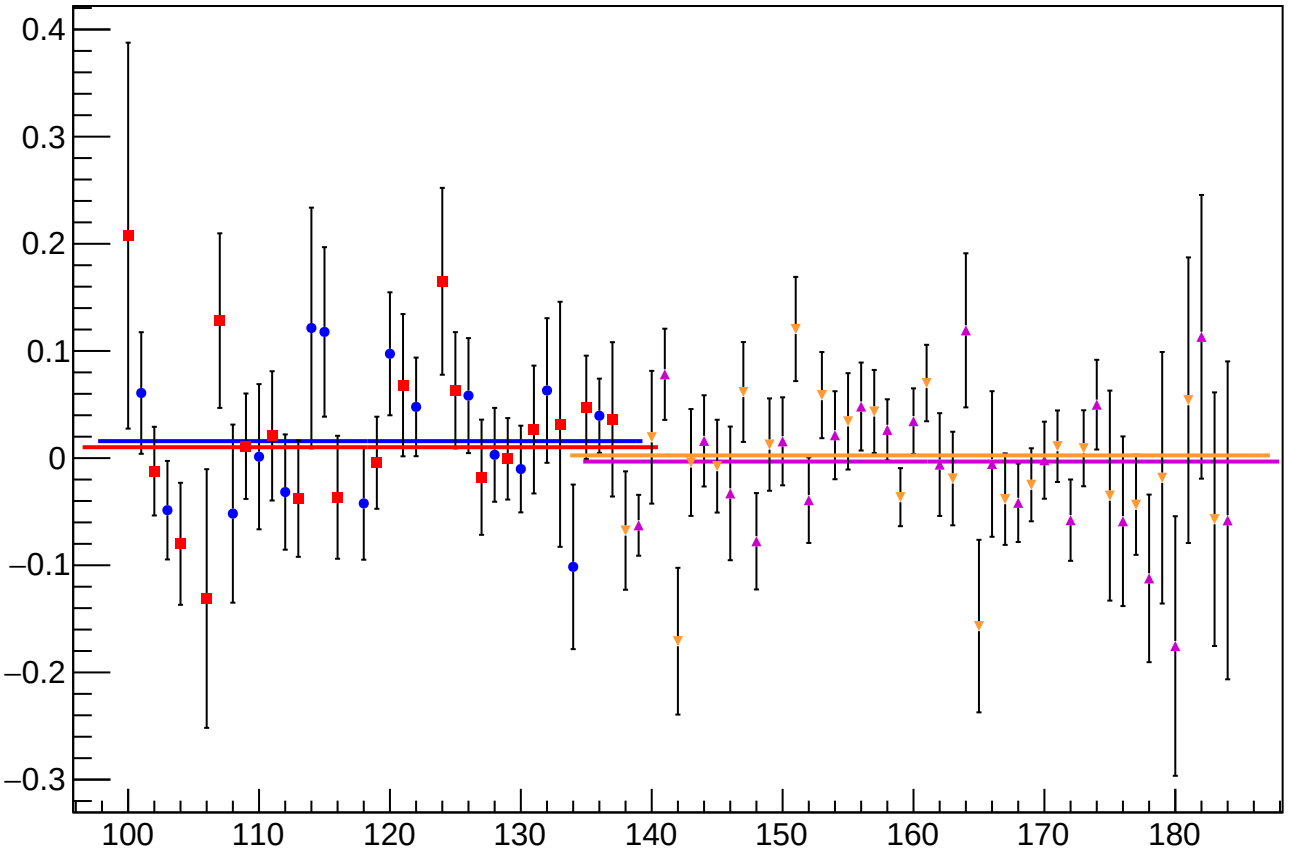
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 4807128.8/39

All: 0.002+/-0.000 χ^2/NDF: 11218755.1/81

- sign 0.002+/-0.000 χ^2/NDF: 6401966.1/41



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.3/23

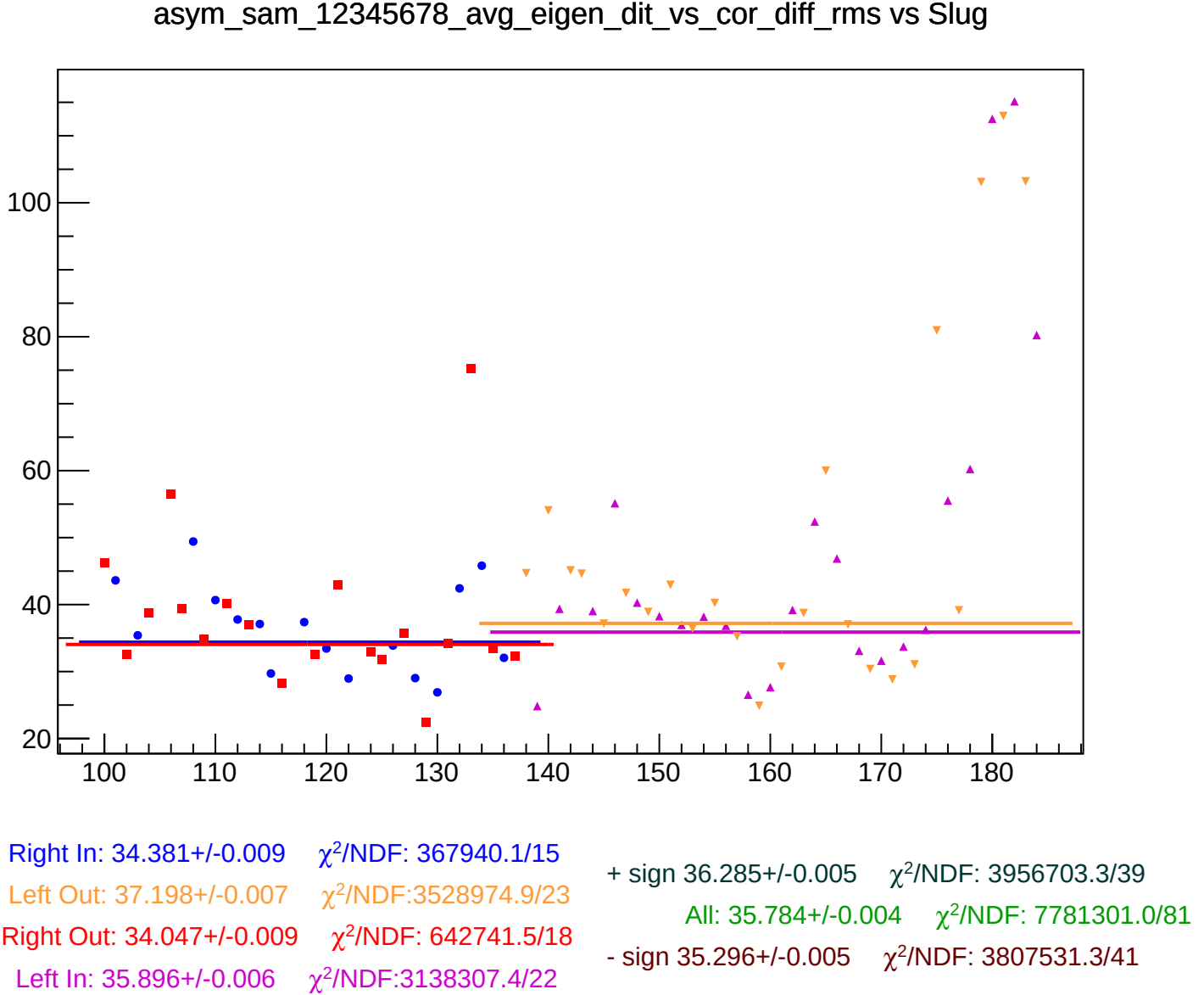
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 47.8/39

All: 0.004+/-0.005 χ^2/NDF: 93.7/81

- sign 0.001+/-0.008 χ^2/NDF: 45.6/41



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528974.9/23

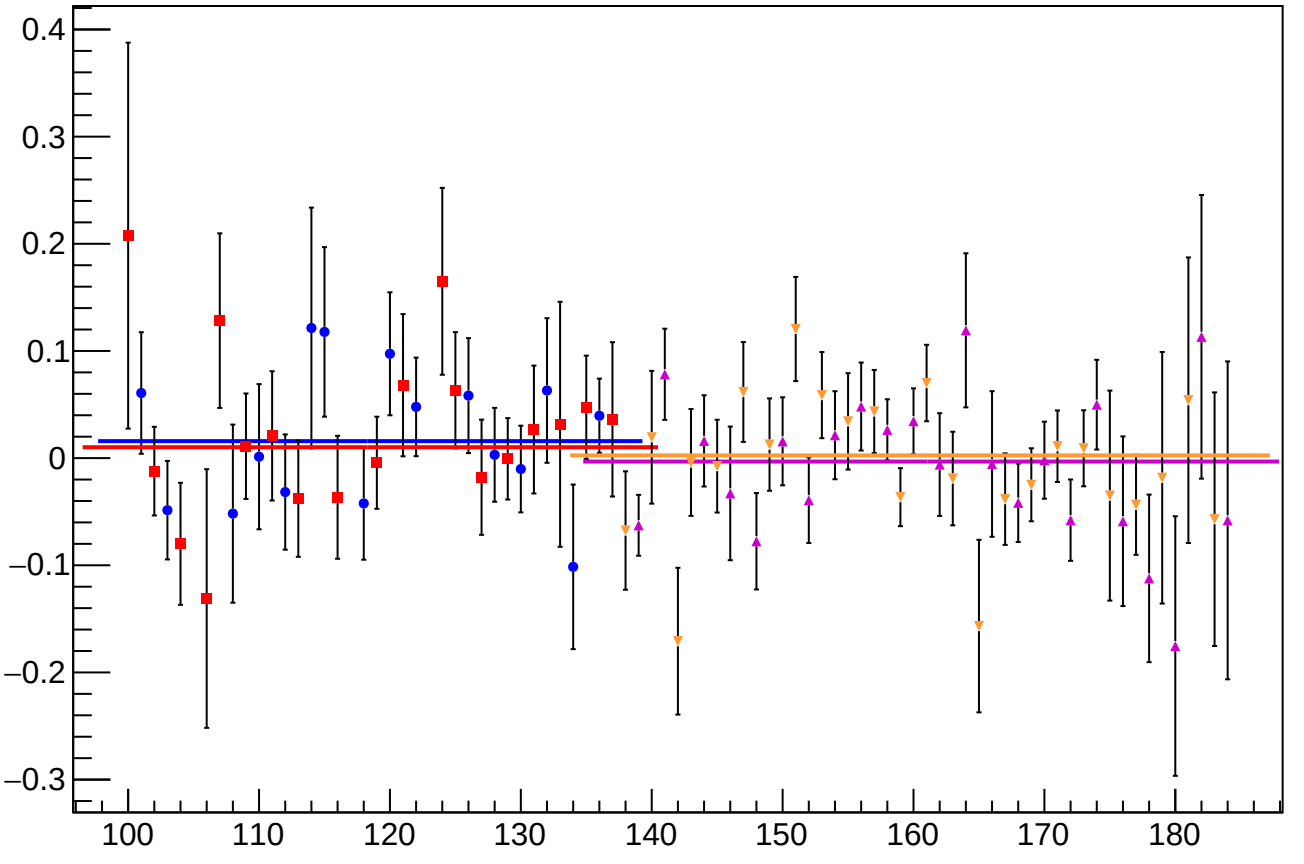
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.285+/-0.005 χ^2/NDF: 3956703.3/39

All: 35.784+/-0.004 χ^2/NDF: 7781301.0/81

- sign 35.296+/-0.005 χ^2/NDF: 3807531.3/41



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.3/23

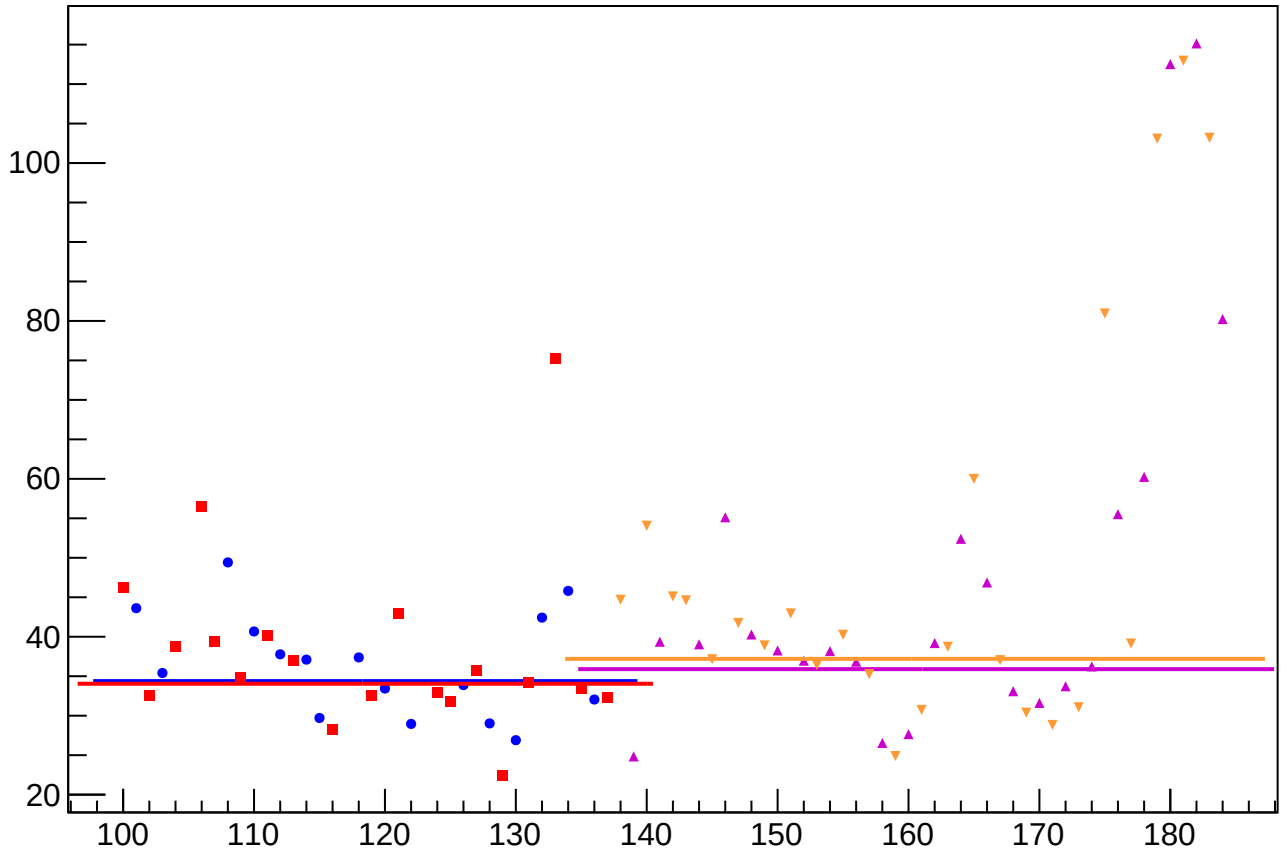
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 47.8/39

All: 0.004+/-0.005 χ^2/NDF: 93.7/81

- sign 0.001+/-0.008 χ^2/NDF: 45.6/41



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.198+/-0.007 χ^2/NDF:3528974.9/23

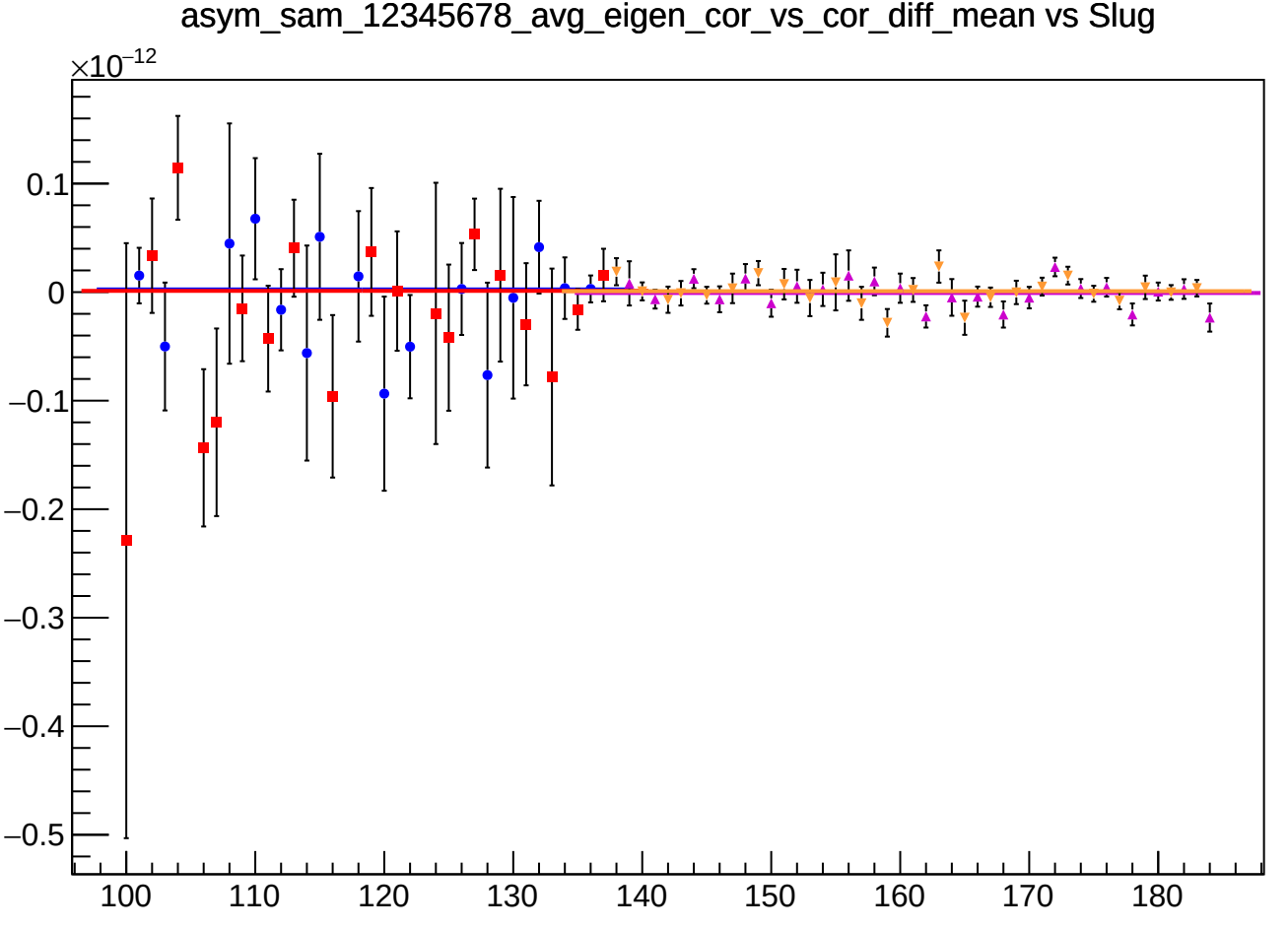
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

\+ sign 36.285+/-0.005 χ^2/NDF: 3956703.3/39

All: 35.784+/-0.004 χ^2/NDF: 7781301.0/81

\- sign 35.296+/-0.005 χ^2/NDF: 3807531.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/23

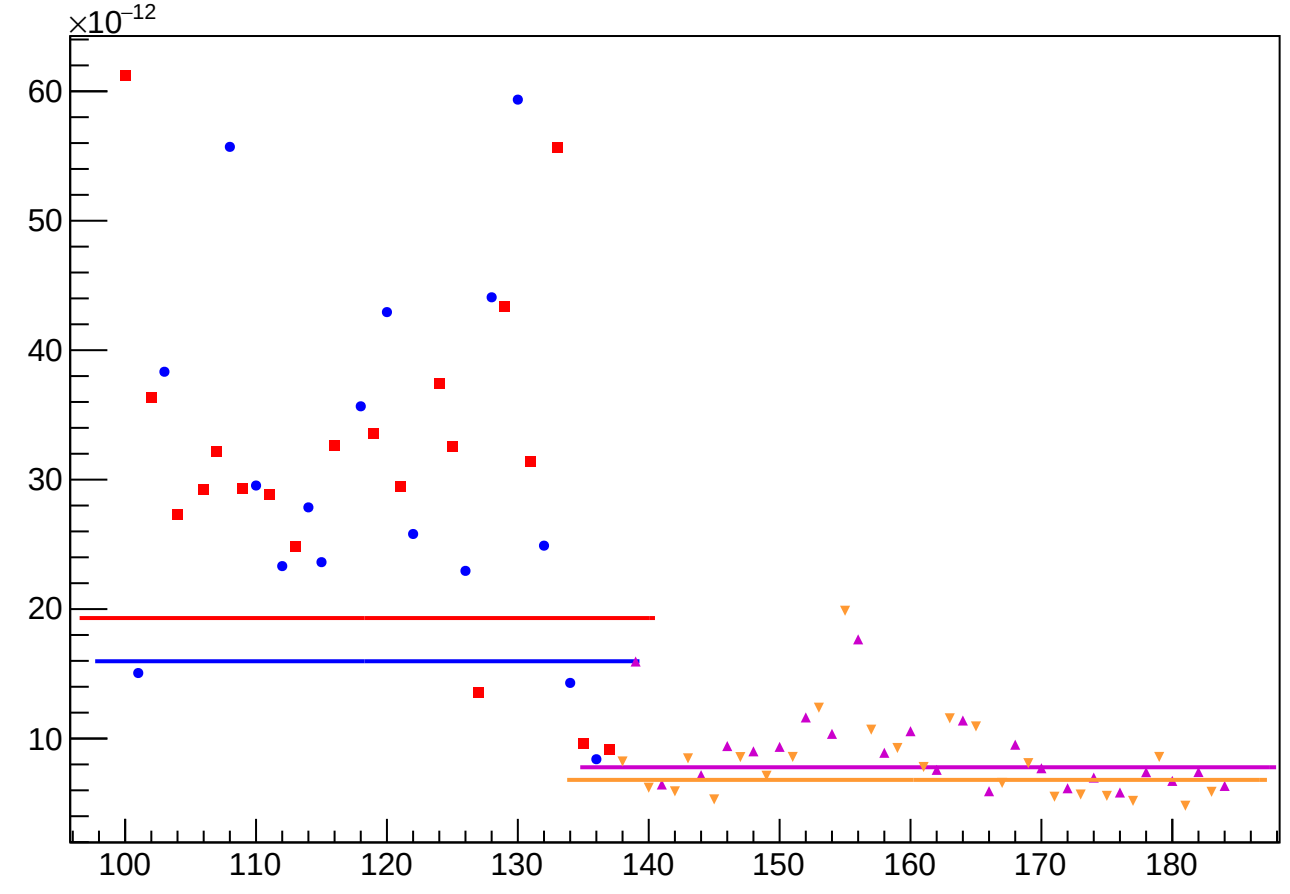
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/39

All: 0.000+/-0.000 χ^2/NDF: 80.1/81

- sign -0.000+/-0.000 χ^2/NDF: 50.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2049611.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

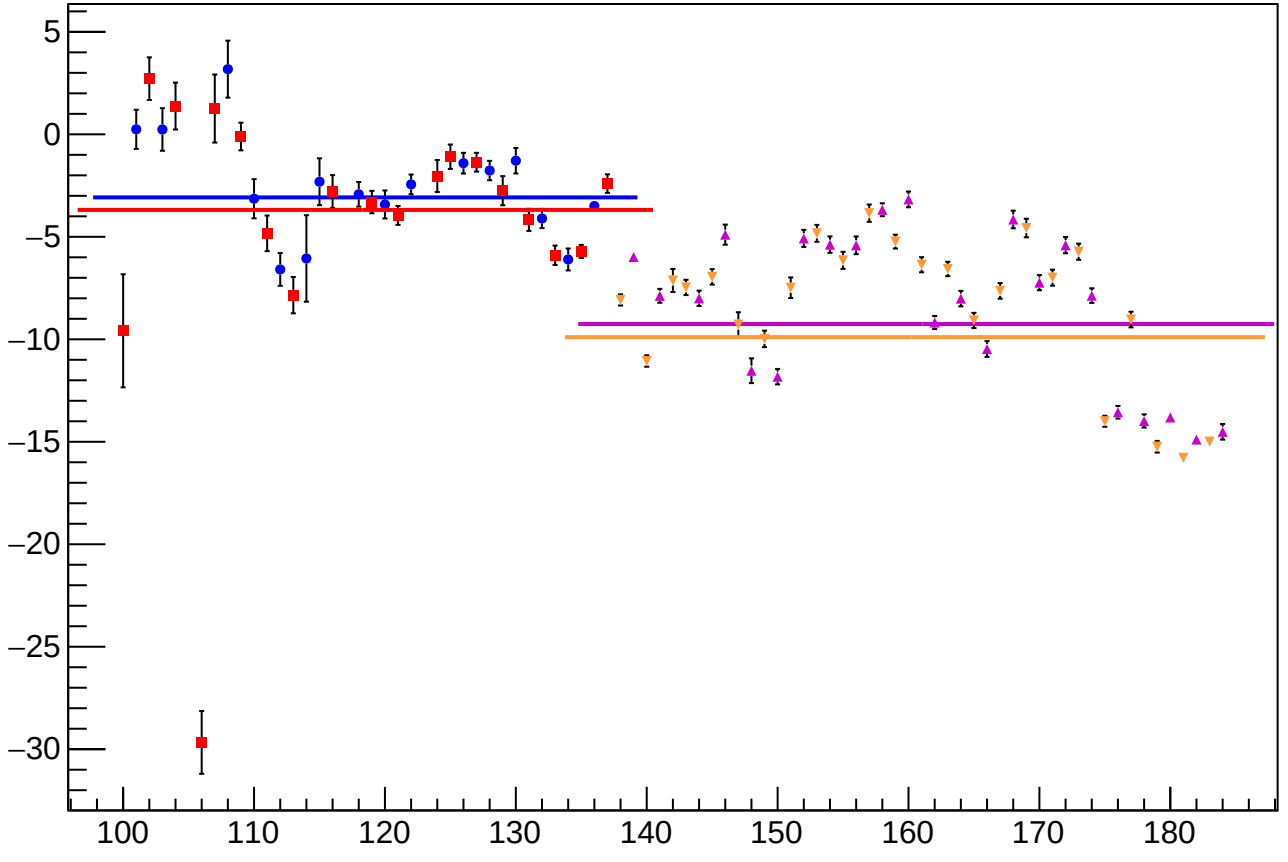
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6964395.4/39

All: 0.000+/-0.000 χ^2/NDF: 13659621.3/81

- sign 0.000+/-0.000 χ^2/NDF: 6454917.2/41

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

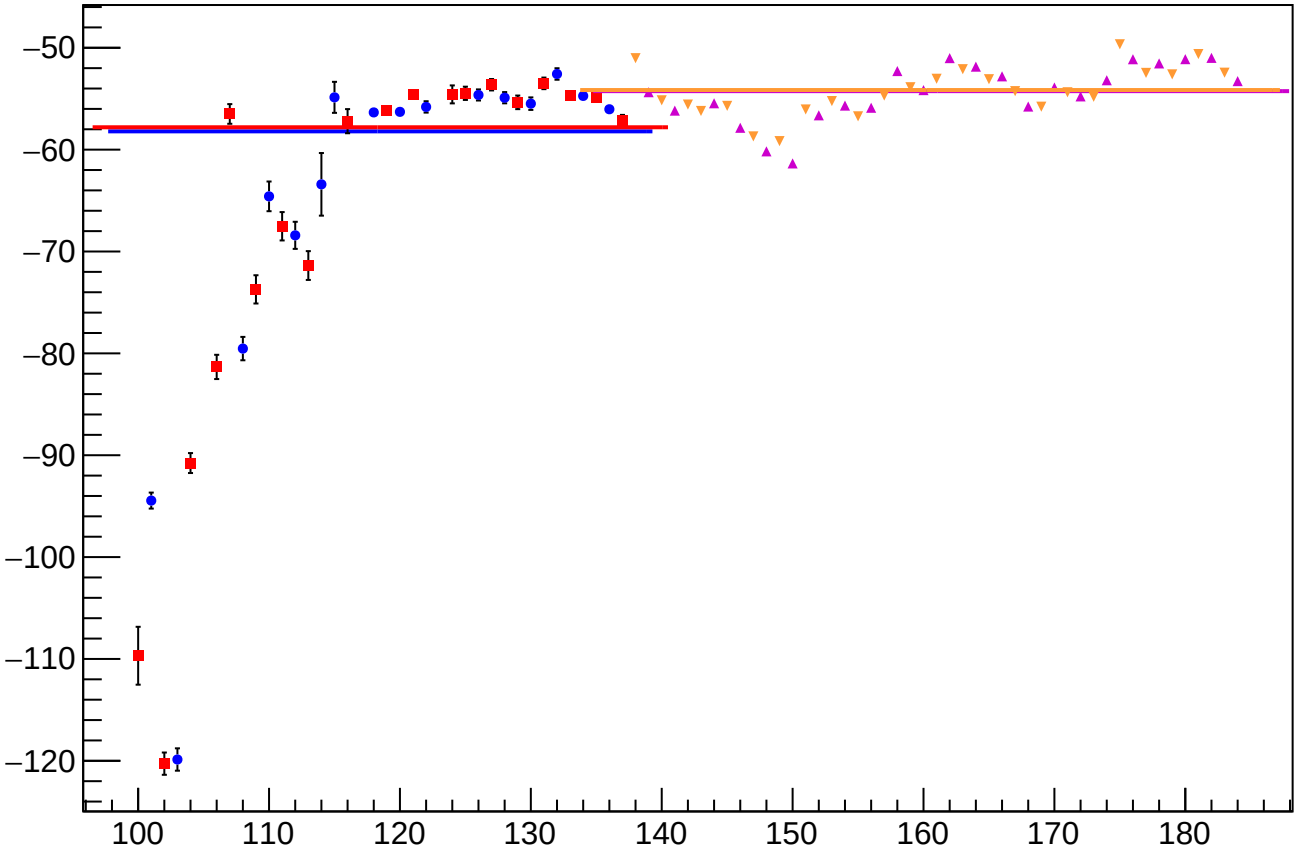
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.451+/-0.062 χ^2/NDF: 5343.4/39

All: -8.281+/-0.045 χ^2/NDF: 10211.9/81

- sign -8.102+/-0.064 χ^2/NDF: 4853.2/41

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

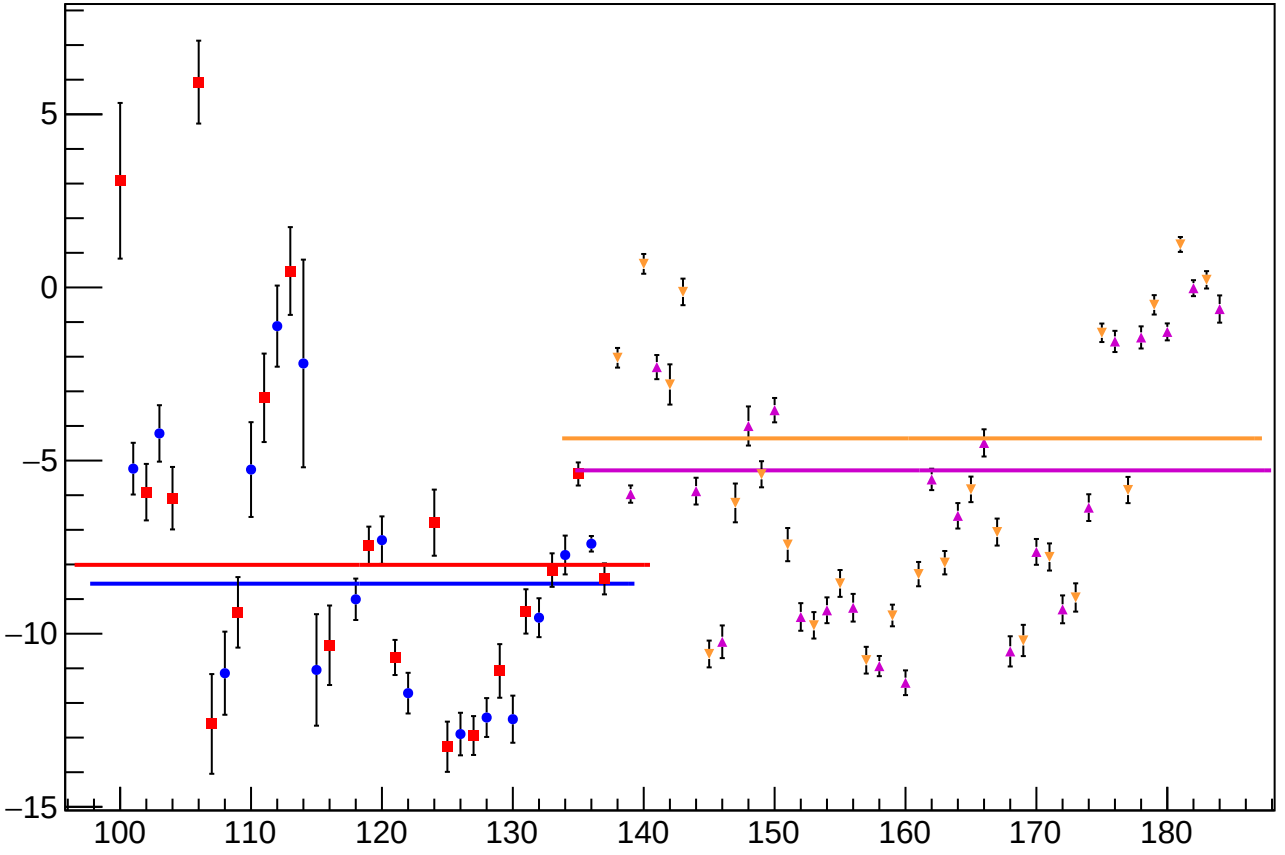
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.744+/-0.052 χ^2/NDF: 8672.3/39

All: -54.767+/-0.037 χ^2/NDF: 17512.5/81

- sign -54.791+/-0.054 χ^2/NDF: 8839.8/41

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

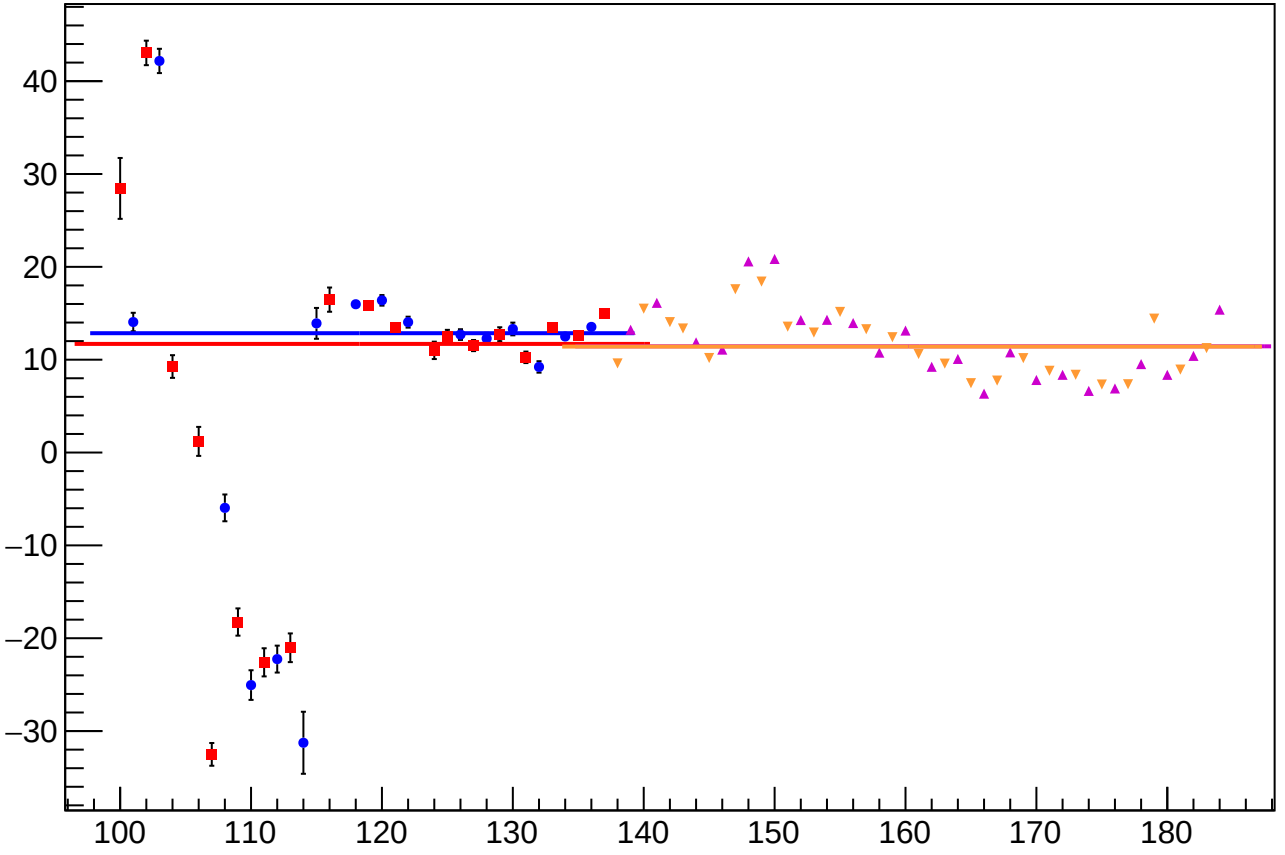
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

\+ sign -5.150+/-0.063 χ^2/NDF: 4683.6/39

All: -5.451+/-0.045 χ^2/NDF: 8231.9/81

\- sign -5.767+/-0.064 χ^2/NDF: 3501.3/41

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

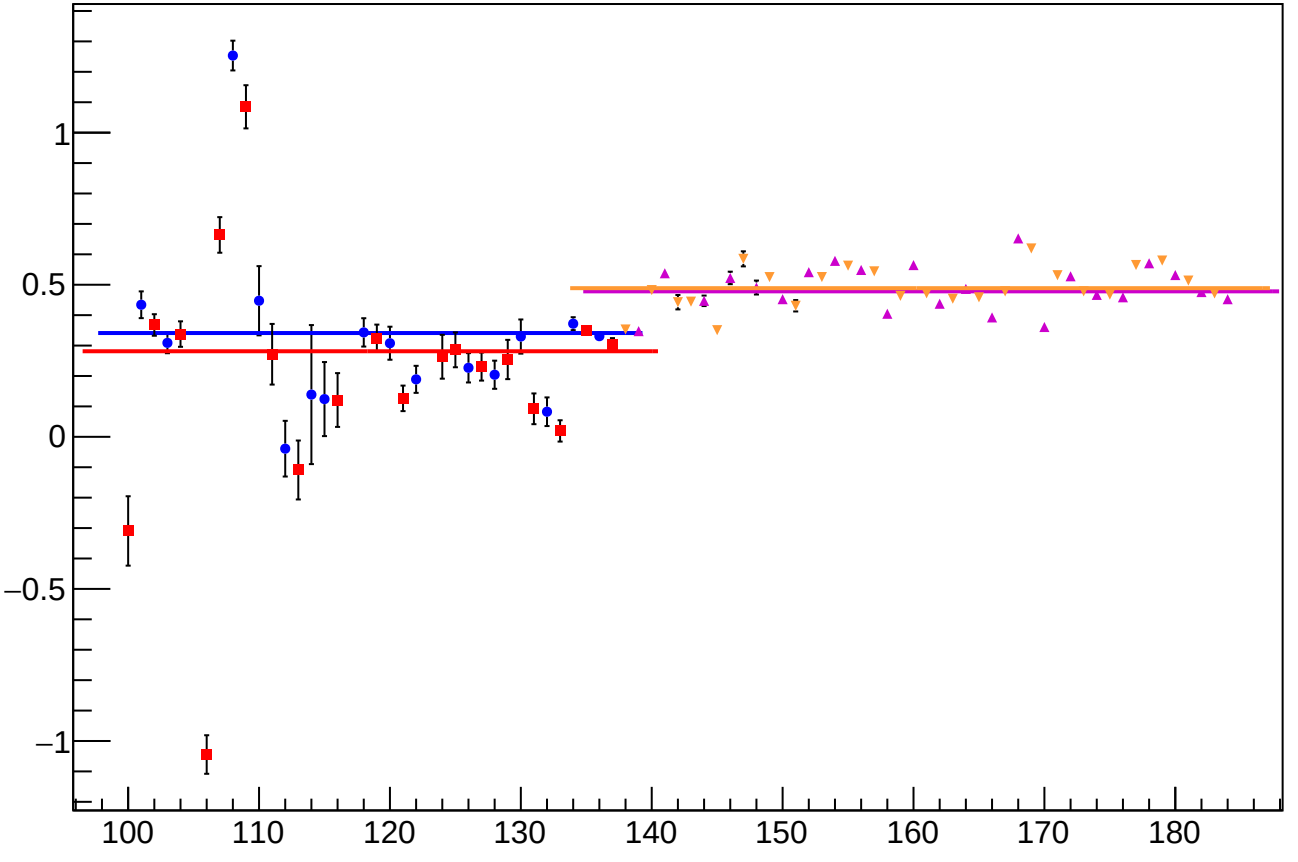
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.624+/-0.058 χ^2/NDF: 4631.5/39

All: 11.554+/-0.041 χ^2/NDF: 11494.1/81

\- sign 11.479+/-0.059 χ^2/NDF: 6859.6/41

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

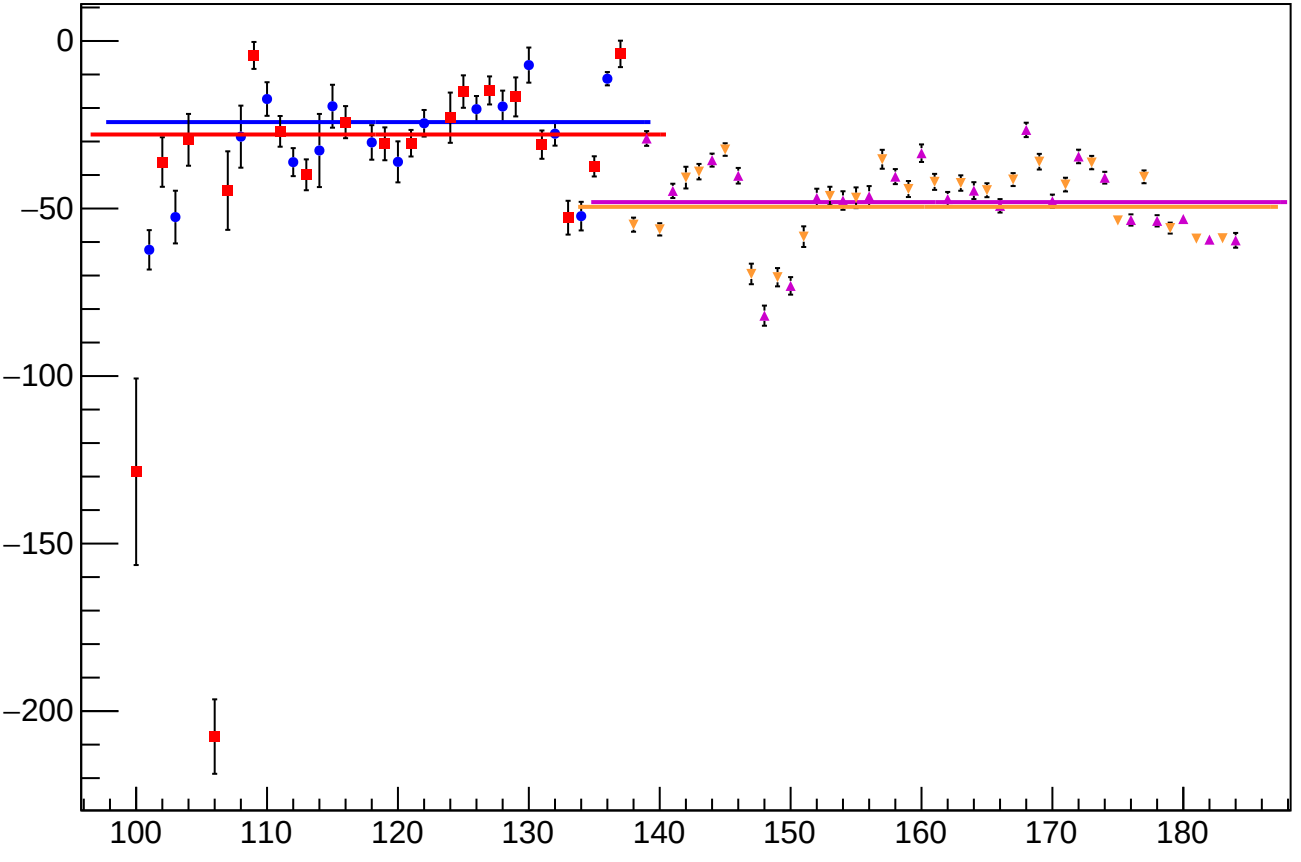
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.473+/-0.003 χ^2/NDF: 1279.0/39

All: 0.466+/-0.002 χ^2/NDF: 3356.7/81

- sign 0.460+/-0.003 χ^2/NDF: 2064.9/41

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

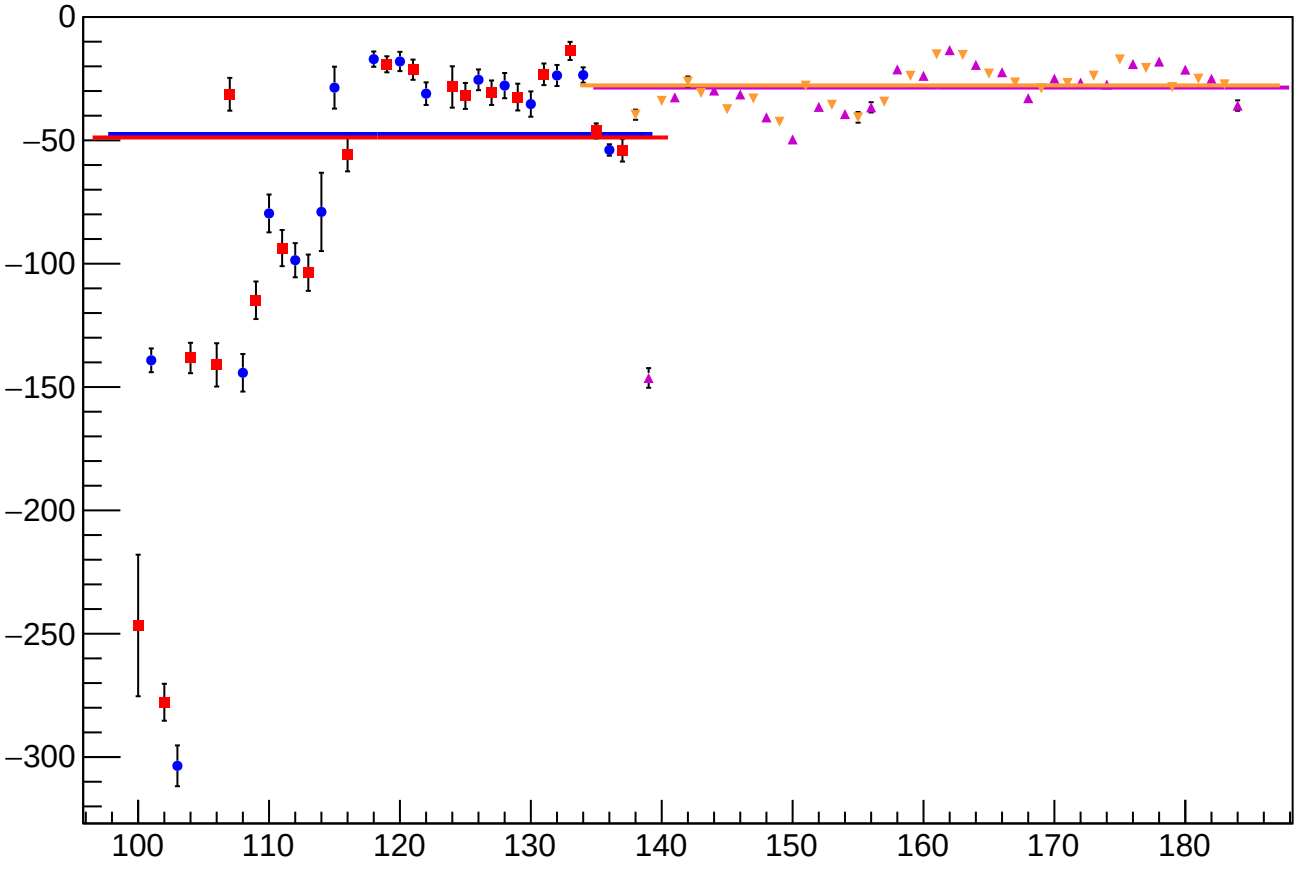
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.389+/-0.381 χ^2/NDF: 1222.5/39

All: -46.045+/-0.274 χ^2/NDF: 2621.3/81

- sign -45.679+/-0.393 χ^2/NDF: 1397.0/41

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

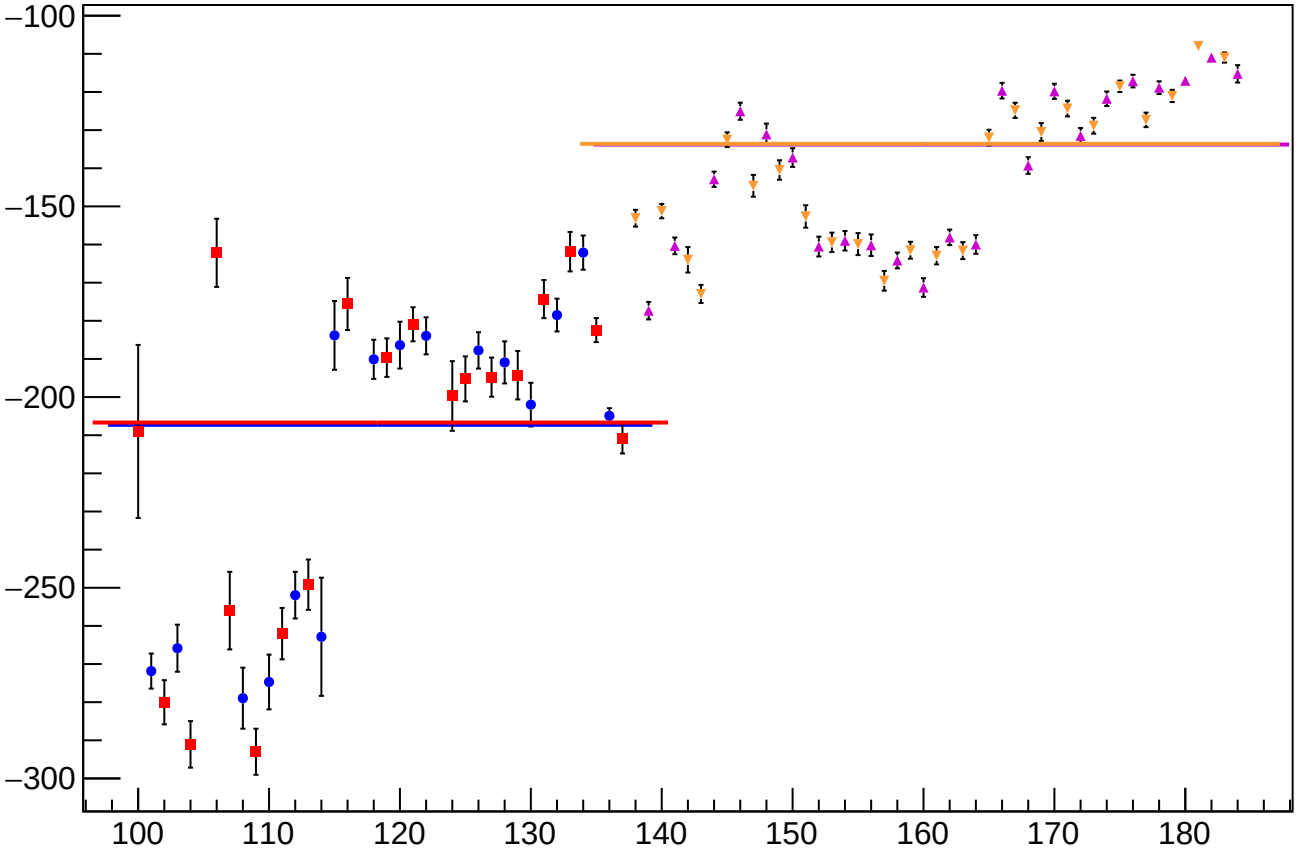
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -29.284+/-0.311 χ^2/NDF: 2636.7/39

All: -29.672+/-0.223 χ^2/NDF: 6166.5/81

- sign -30.085+/-0.321 χ^2/NDF: 3526.6/41

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

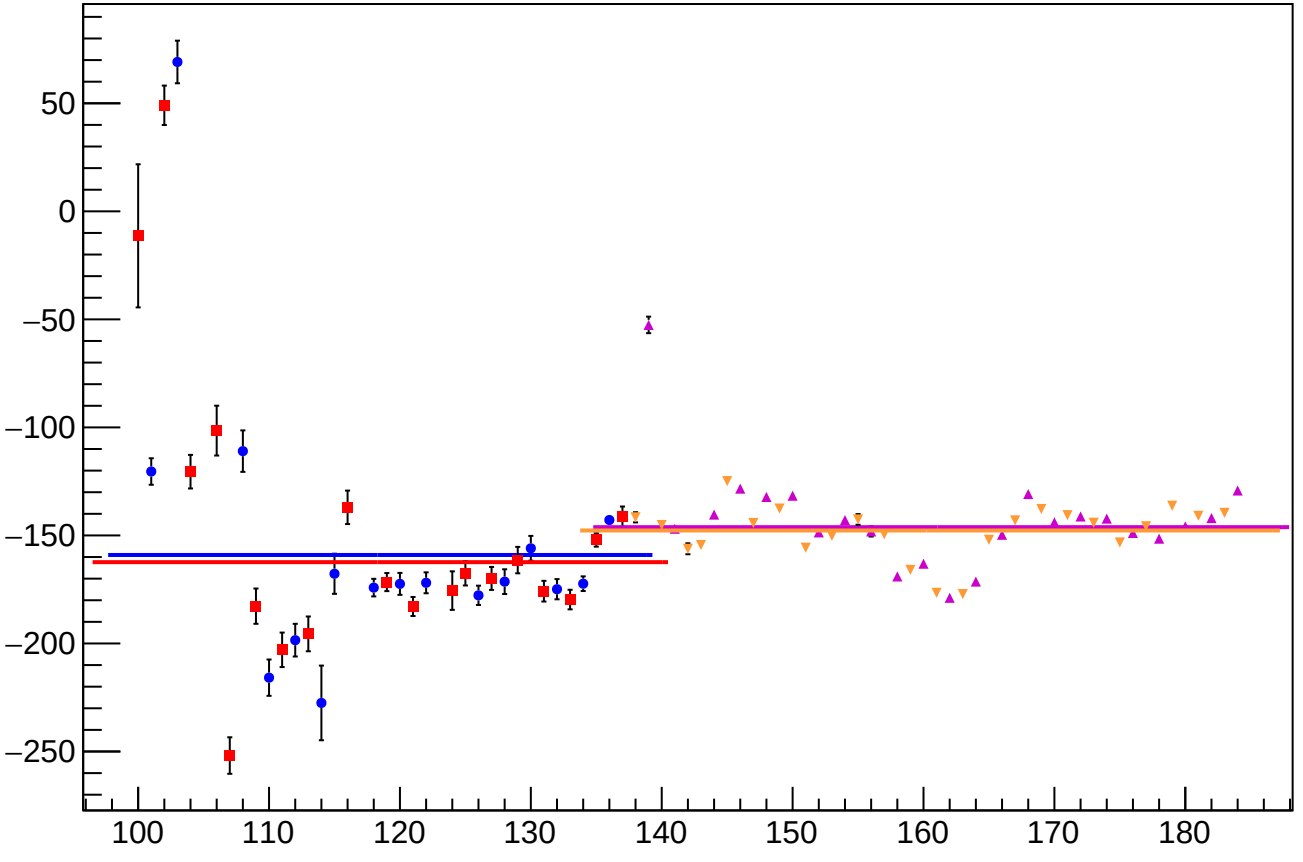
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.451+/-0.385 χ^2/NDF: 6717.1/39

All: -141.124+/-0.276 χ^2/NDF: 13063.0/81

- sign -140.776+/-0.396 χ^2/NDF: 6344.5/41

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

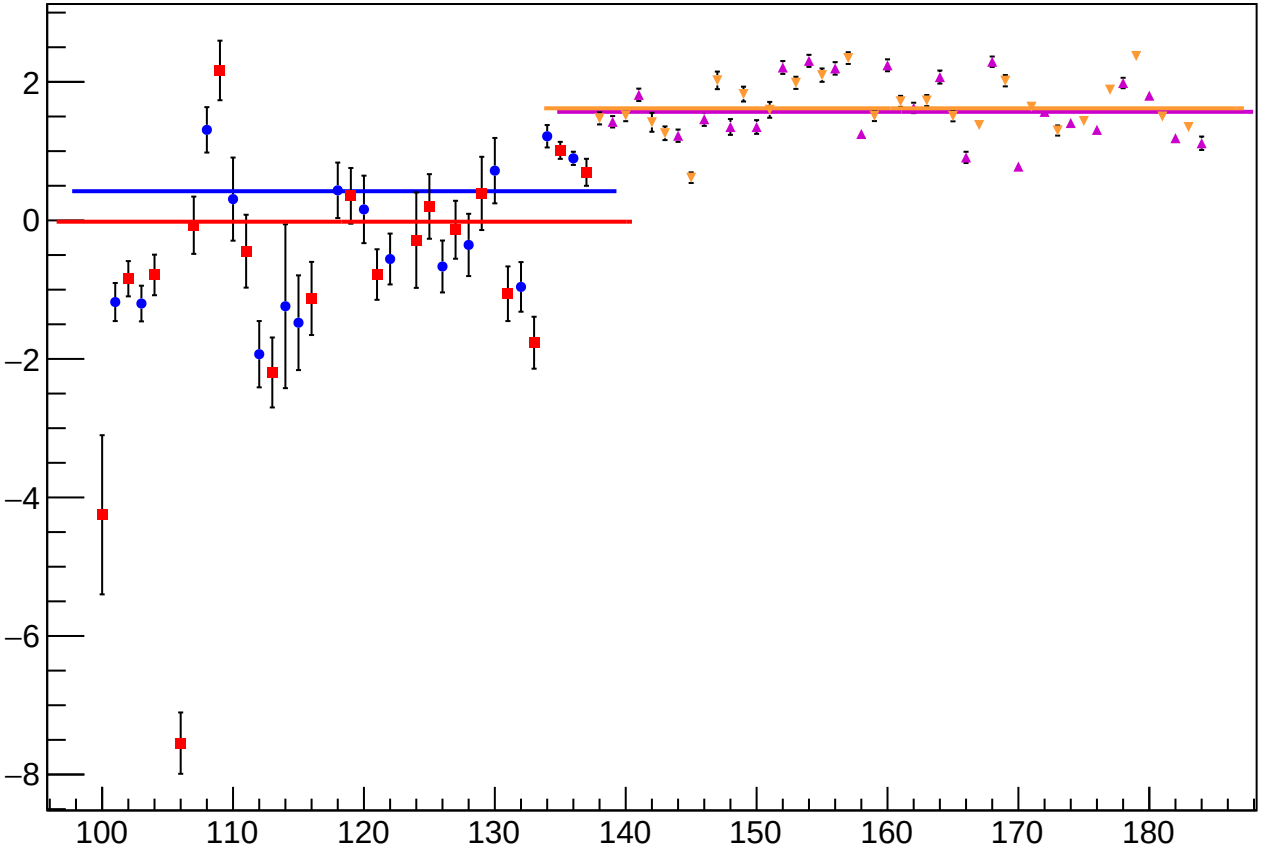
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -148.624+/-0.347 χ^2/NDF: 2034.3/39

All: -148.004+/-0.249 χ^2/NDF: 4845.9/81

- sign -147.350+/-0.357 χ^2/NDF: 2805.1/41

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

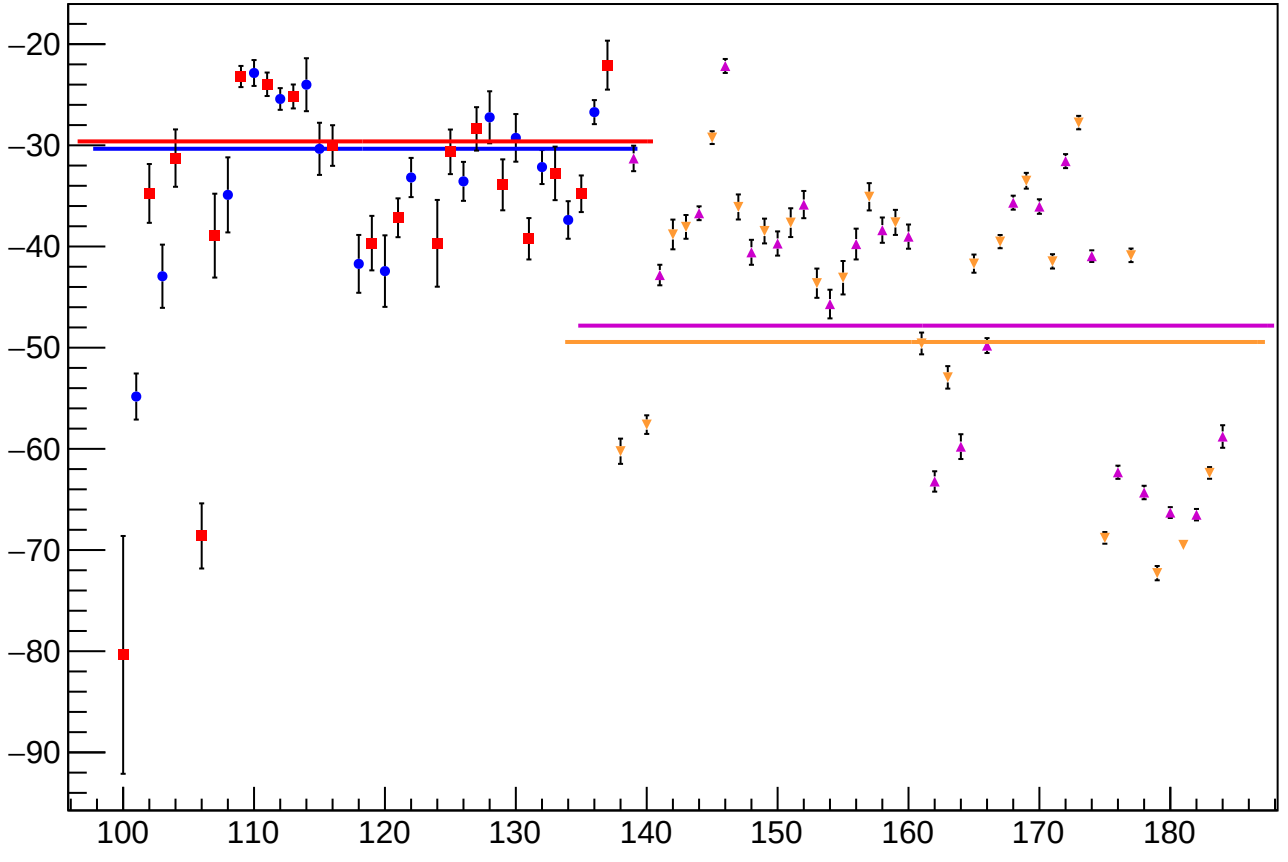
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.548+/-0.016 χ^2/NDF: 1060.2/39

All: 1.519+/-0.011 χ^2/NDF: 2747.8/81

- sign 1.490+/-0.016 χ^2/NDF: 1681.0/41

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

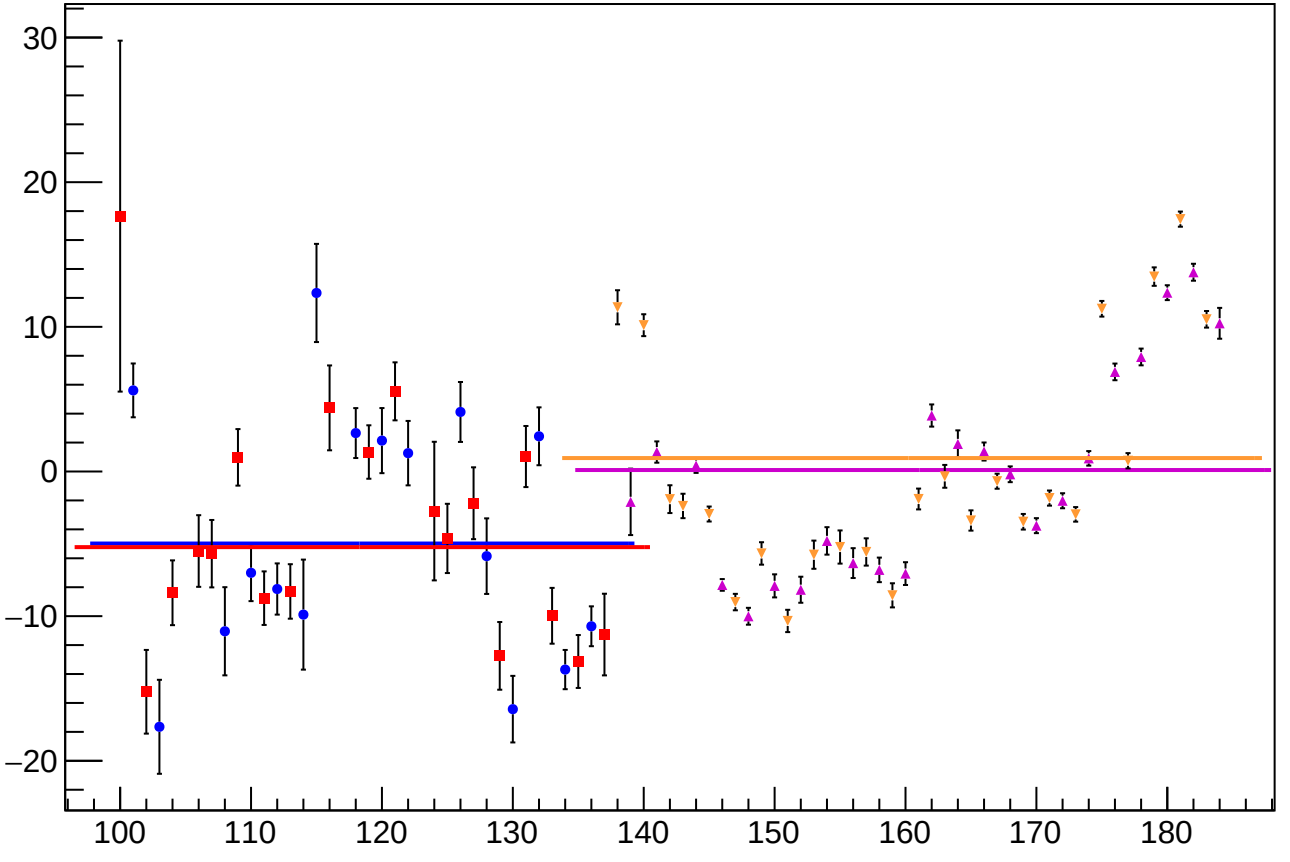
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -47.238+/-0.159 χ^2/NDF: 10054.1/39

All: -46.396+/-0.112 χ^2/NDF: 19092.9/81

- sign -45.553+/-0.159 χ^2/NDF: 8982.6/41

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

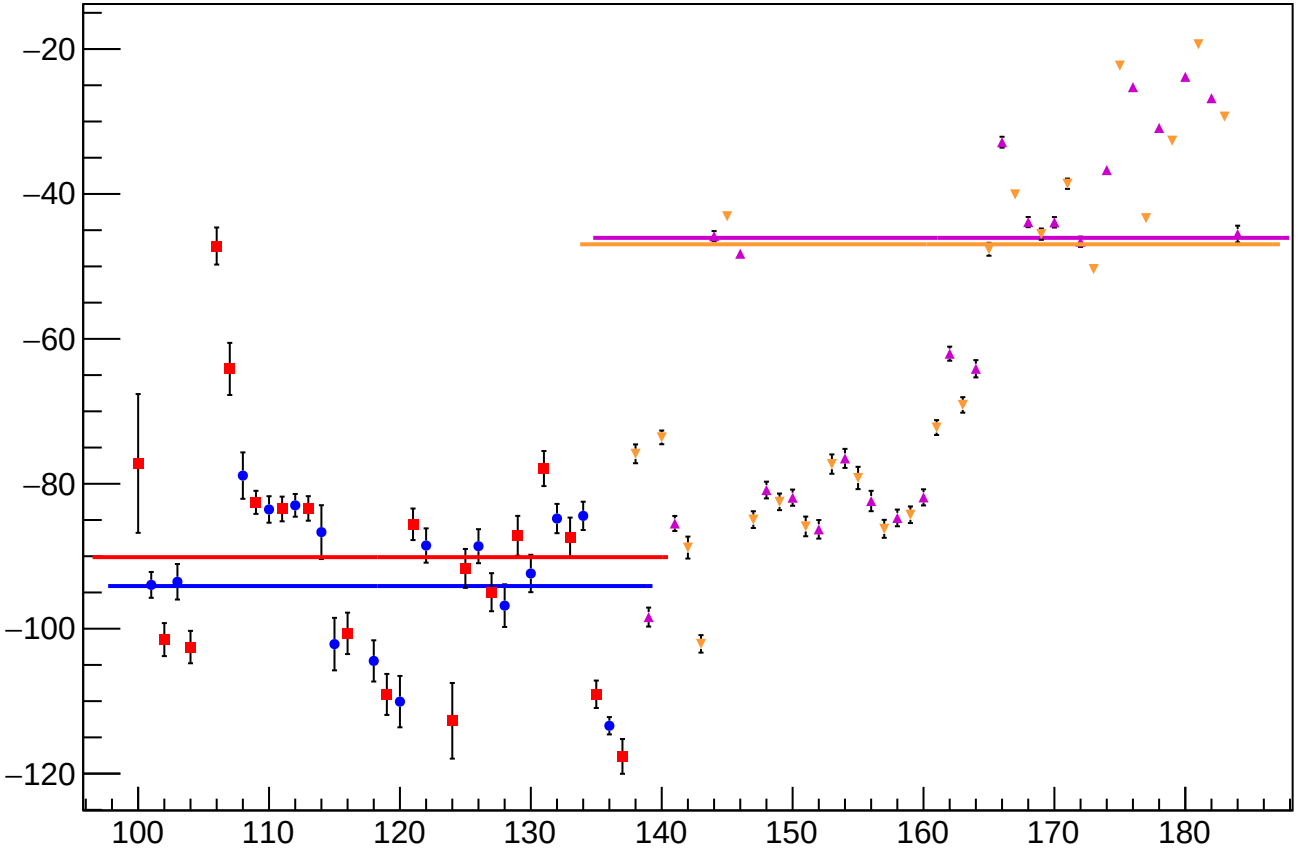
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.548+/-0.129 χ^2/NDF: 3758.6/39

All: 0.162+/-0.091 χ^2/NDF: 6732.0/81

- sign -0.221+/-0.129 χ^2/NDF: 2955.6/41

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

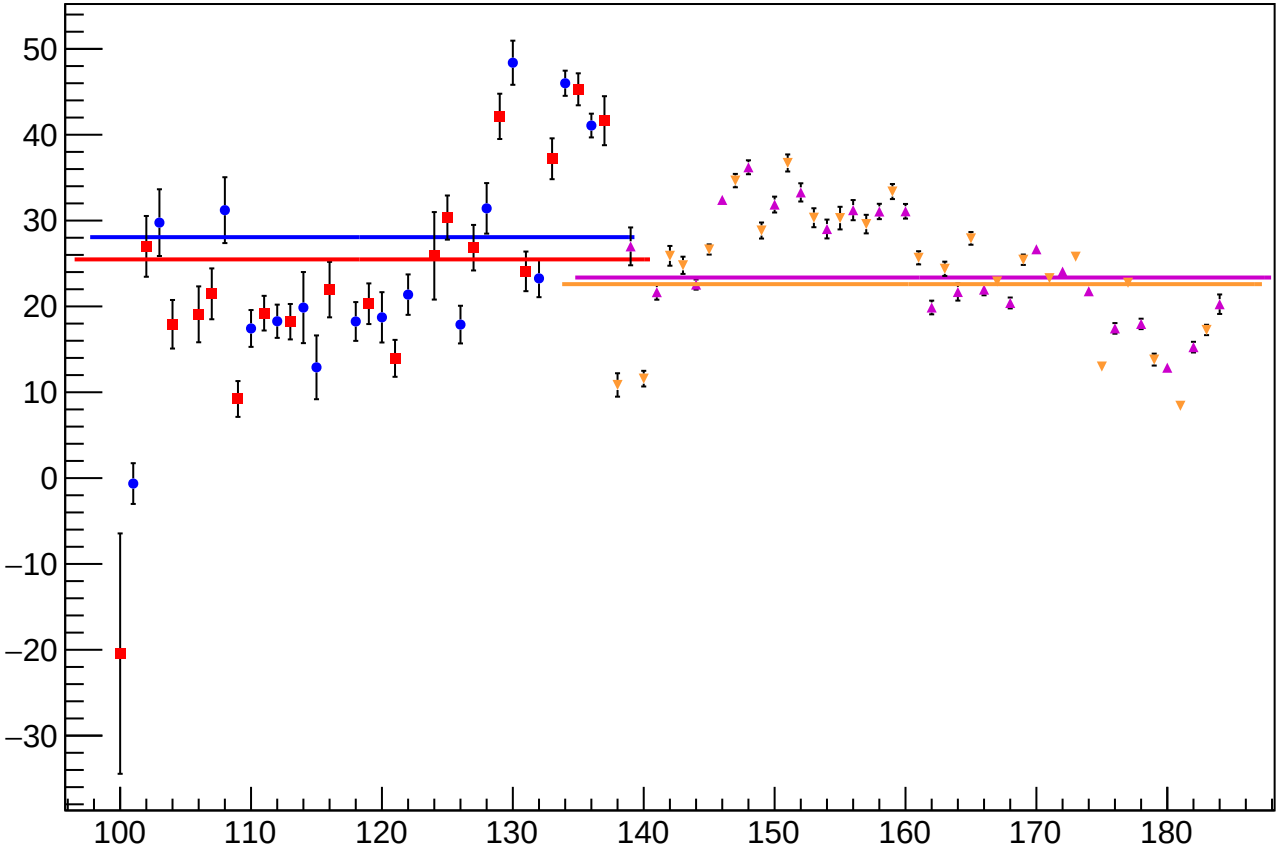
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.218+/-0.162 χ^2/NDF: 25066.0/39

All: -50.612+/-0.115 χ^2/NDF: 46652.4/81

- sign -50.000+/-0.162 χ^2/NDF: 21558.1/41

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

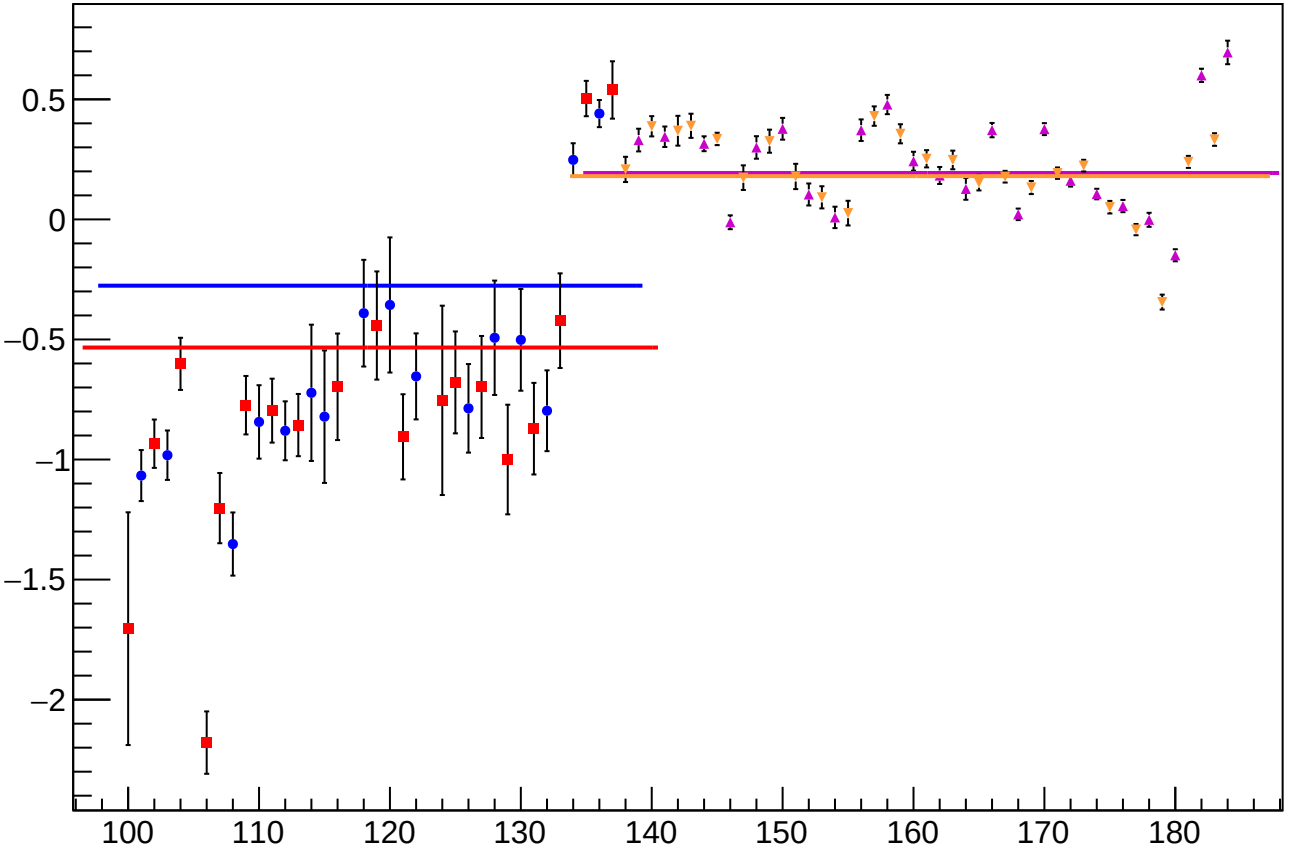
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 22.946+/-0.144 χ^2/NDF: 3013.0/39

All: 23.218+/-0.102 χ^2/NDF: 5172.2/81

- sign 23.492+/-0.144 χ^2/NDF: 2152.0/41

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

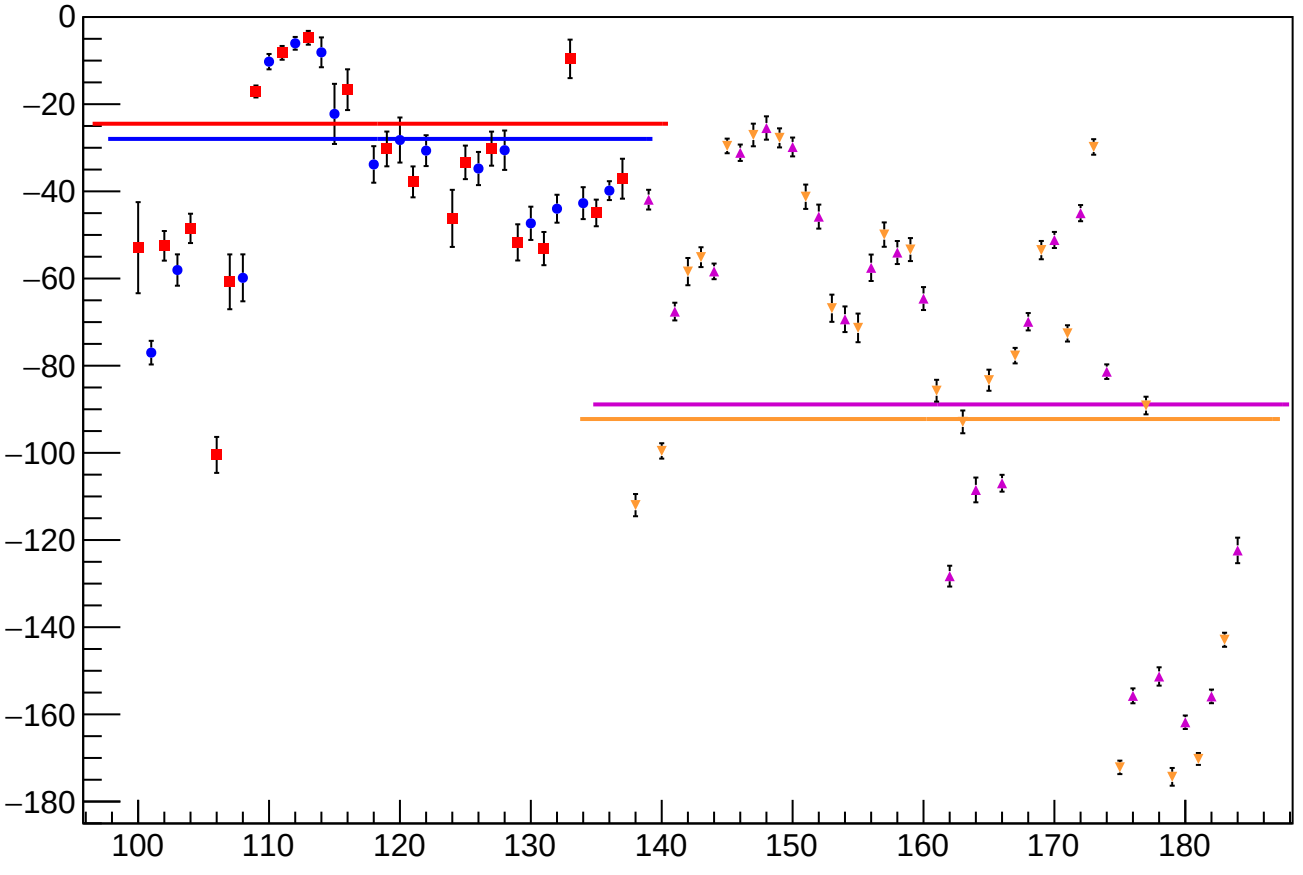
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.160+/-0.007 χ^2/NDF: 1285.7/39

All: 0.162+/-0.005 χ^2/NDF: 3204.6/81

- sign 0.164+/-0.007 χ^2/NDF: 1918.6/41

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

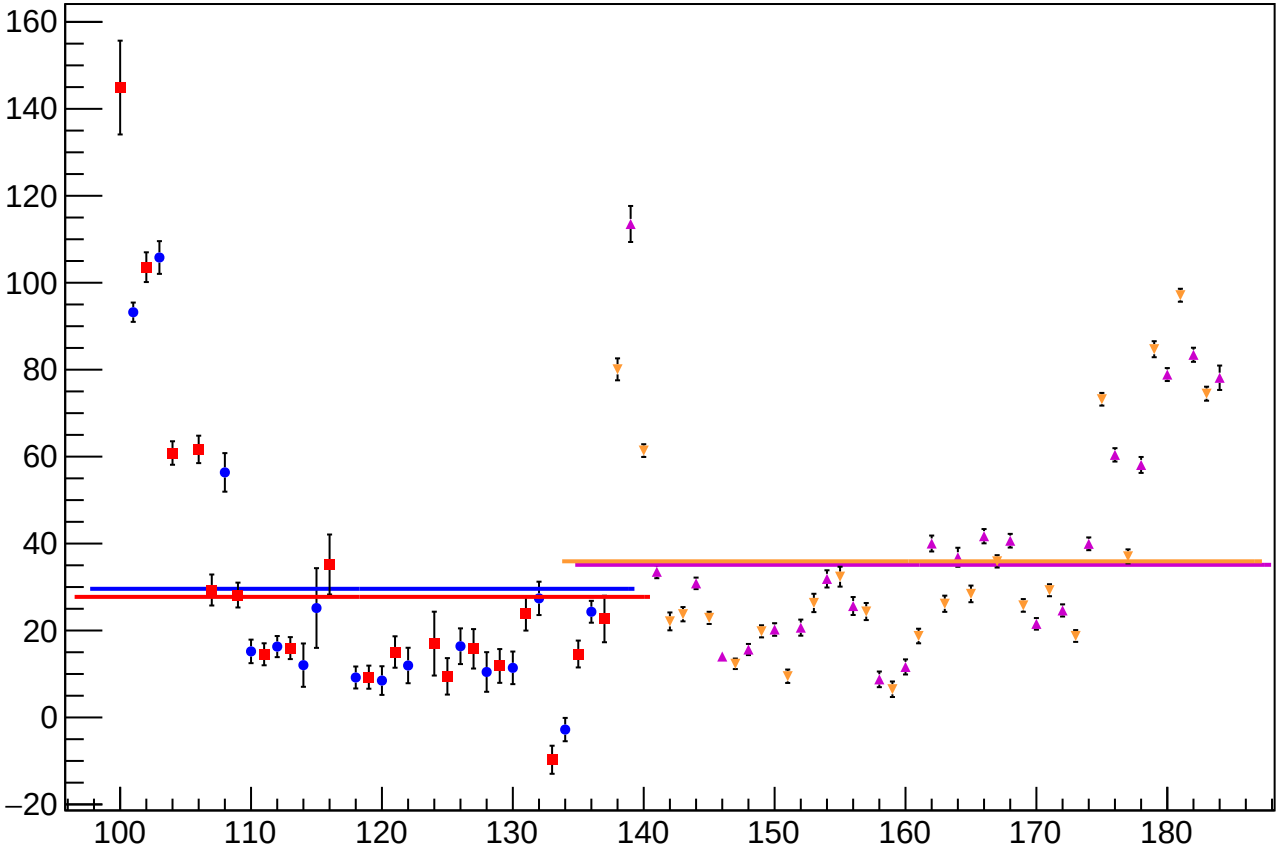
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -75.856+/-0.367 χ^2/NDF: 21260.6/39

All: -72.660+/-0.258 χ^2/NDF: 40818.6/81

- sign -69.532+/-0.363 χ^2/NDF: 19408.2/41

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

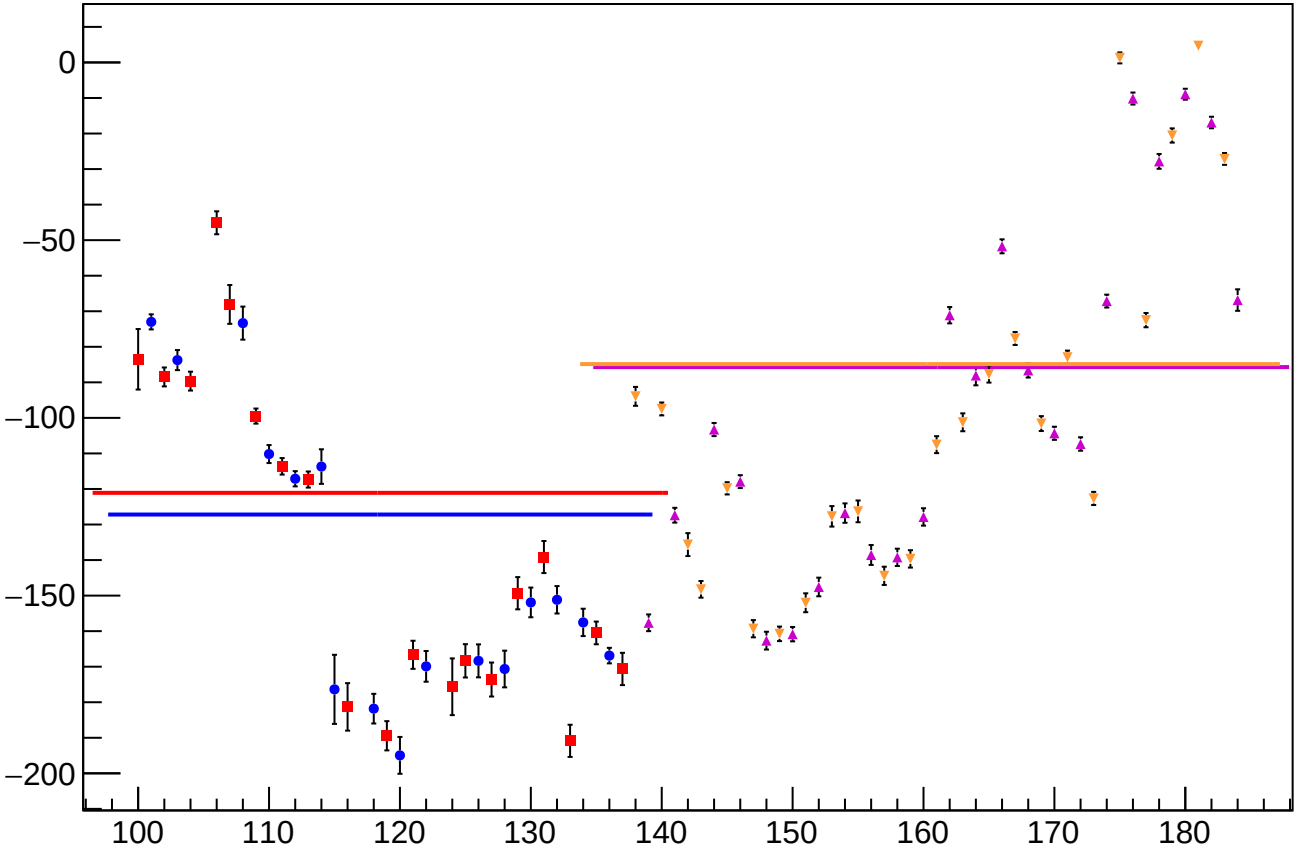
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.020+/-0.304 χ^2/NDF: 7638.0/39

All: 34.518+/-0.217 χ^2/NDF: 13045.8/81

- sign 33.997+/-0.310 χ^2/NDF: 5402.2/41

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

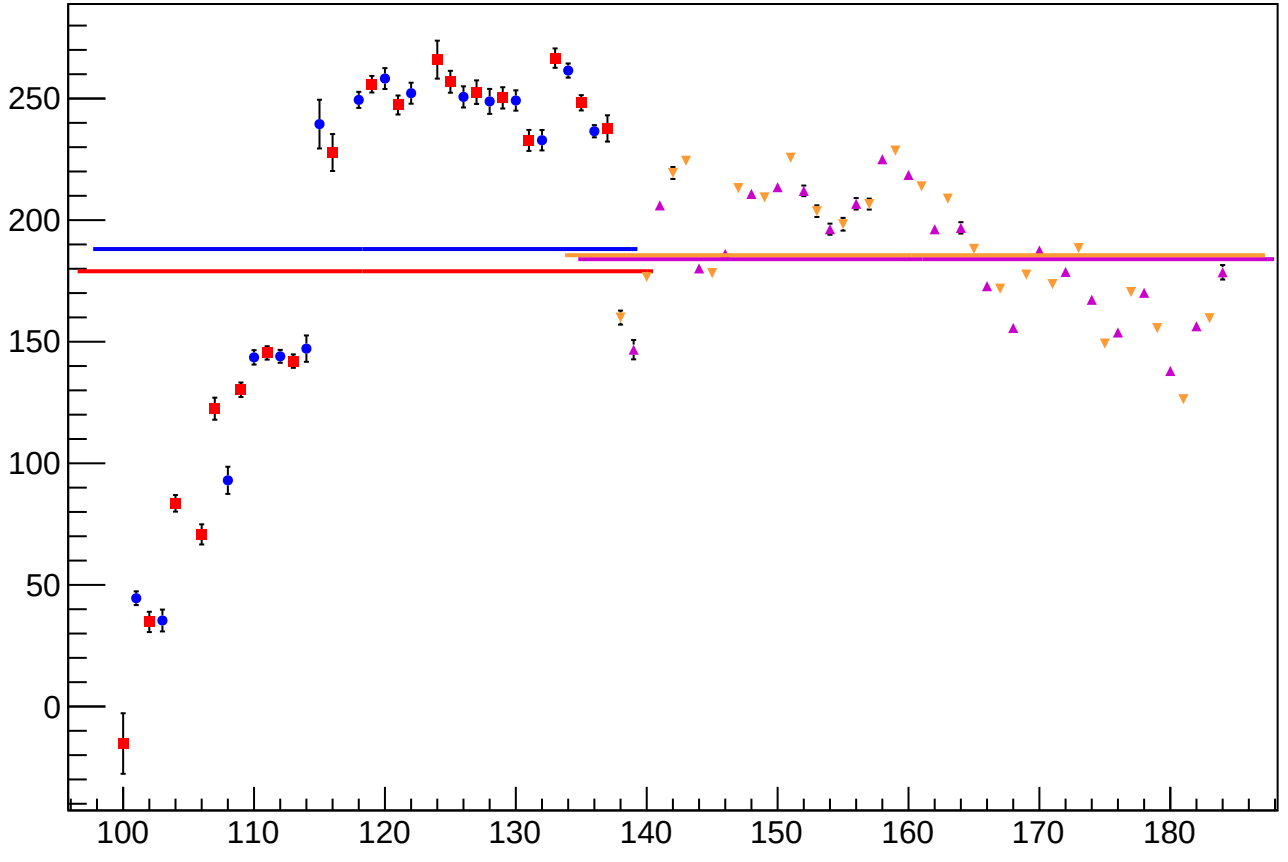
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -93.661+/-0.378 χ^2/NDF: 20108.8/39

All: -93.702+/-0.268 χ^2/NDF: 37785.2/81

- sign -93.742+/-0.380 χ^2/NDF: 17676.4/41

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

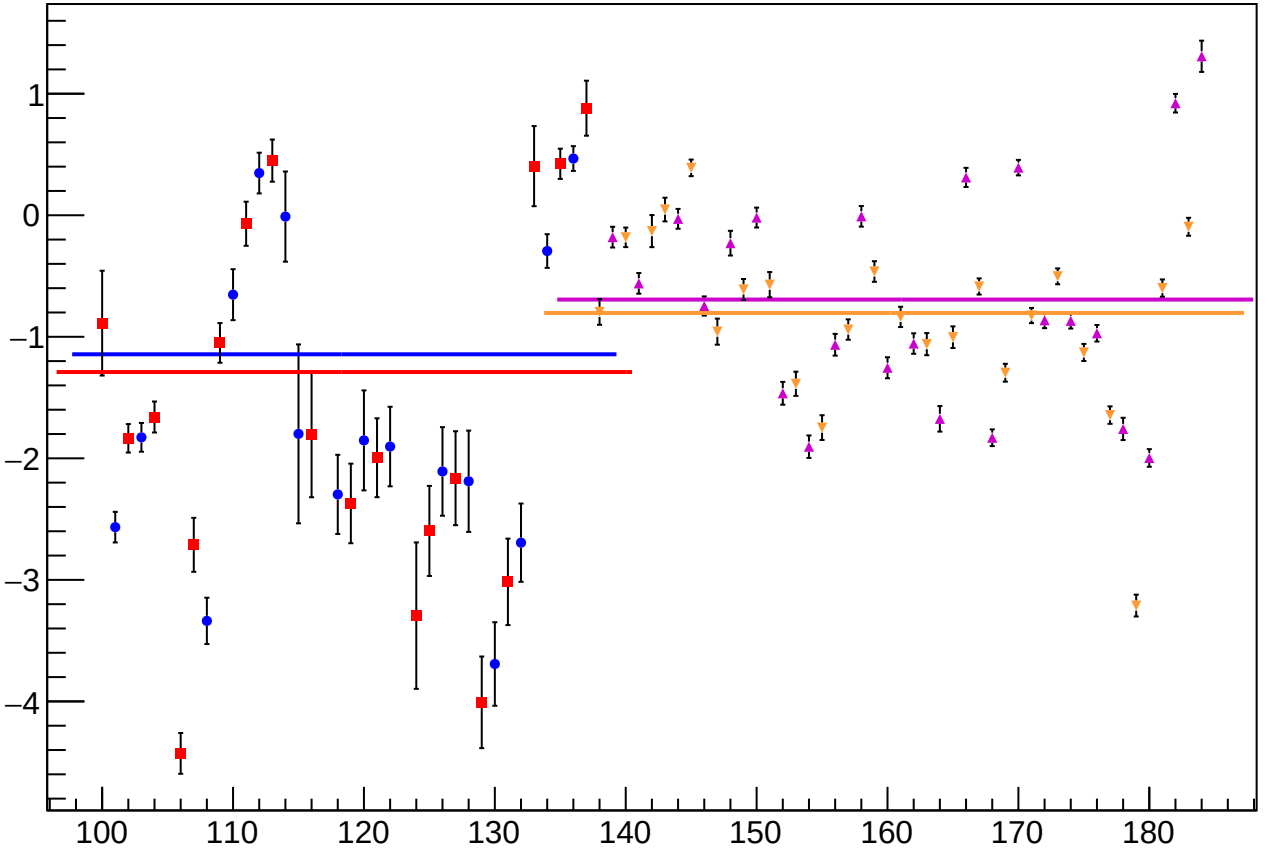
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.926+/-0.343 χ^2/NDF: 12479.8/39

All: 184.588+/-0.245 χ^2/NDF: 23078.6/81

- sign 183.207+/-0.349 χ^2/NDF: 10567.8/41

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

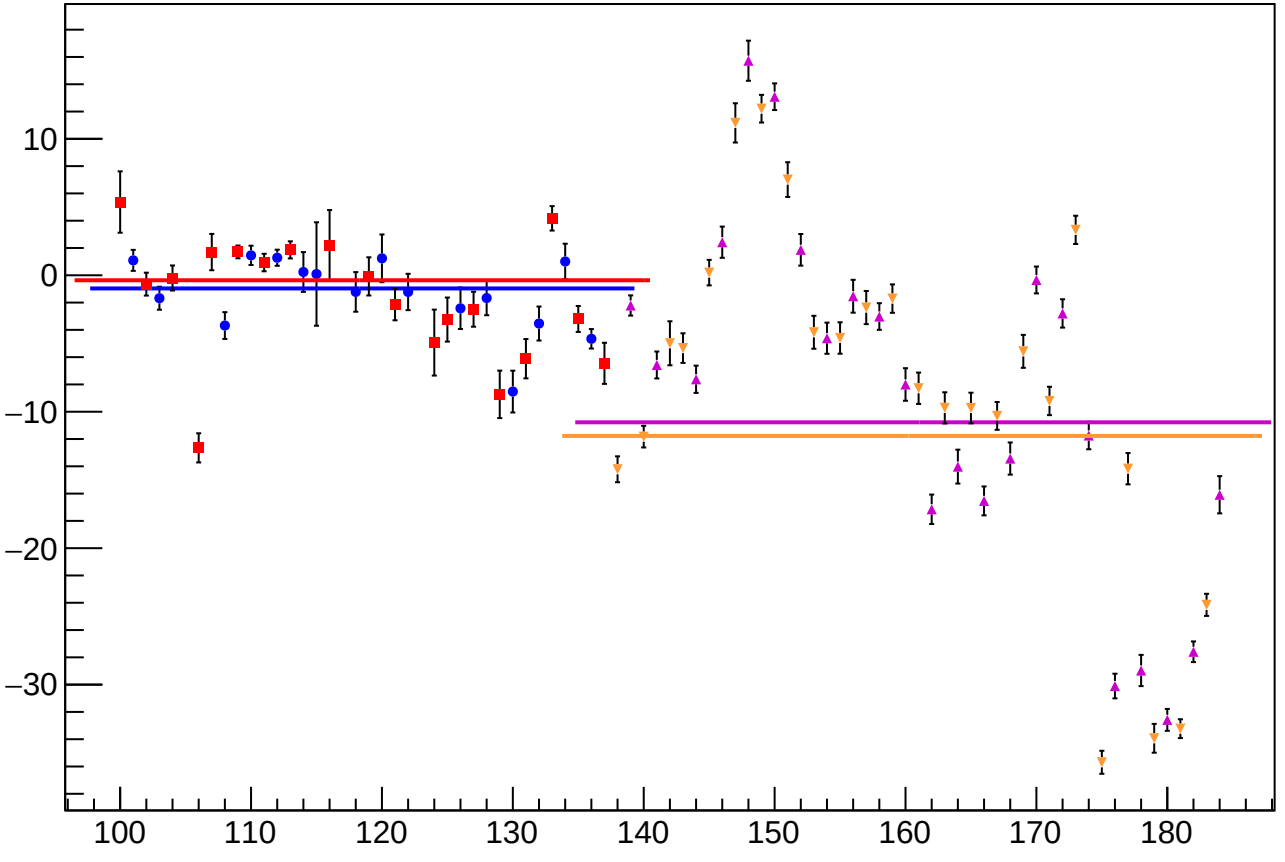
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.840+/-0.016 χ^2/NDF: 2522.2/39

All: -0.800+/-0.011 χ^2/NDF: 6239.1/81

- sign -0.760+/-0.016 χ^2/NDF: 3703.9/41

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

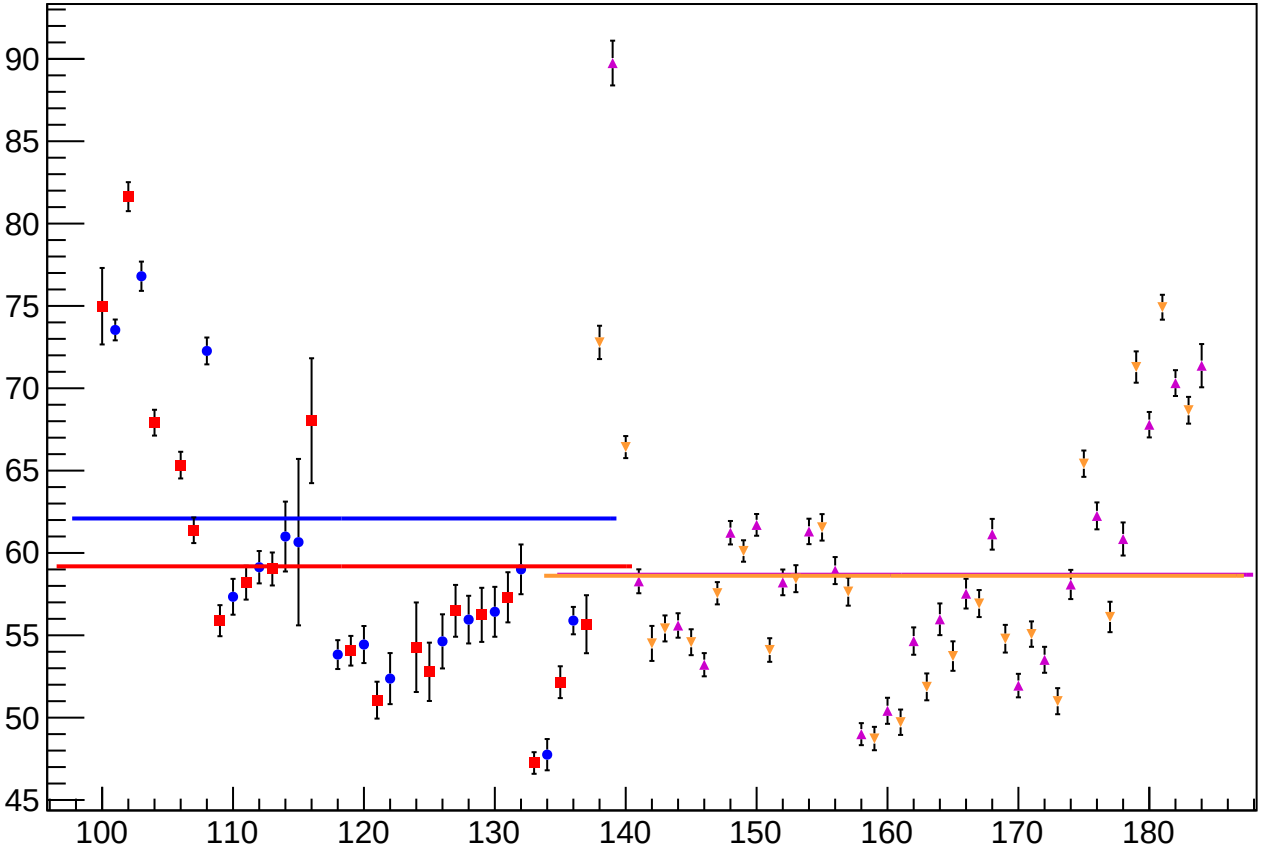
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.371+/-0.162 χ^2/NDF: 5383.1/39

All: -6.559+/-0.112 χ^2/NDF: 10545.2/81

- sign -5.817+/-0.154 χ^2/NDF: 5113.7/41

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

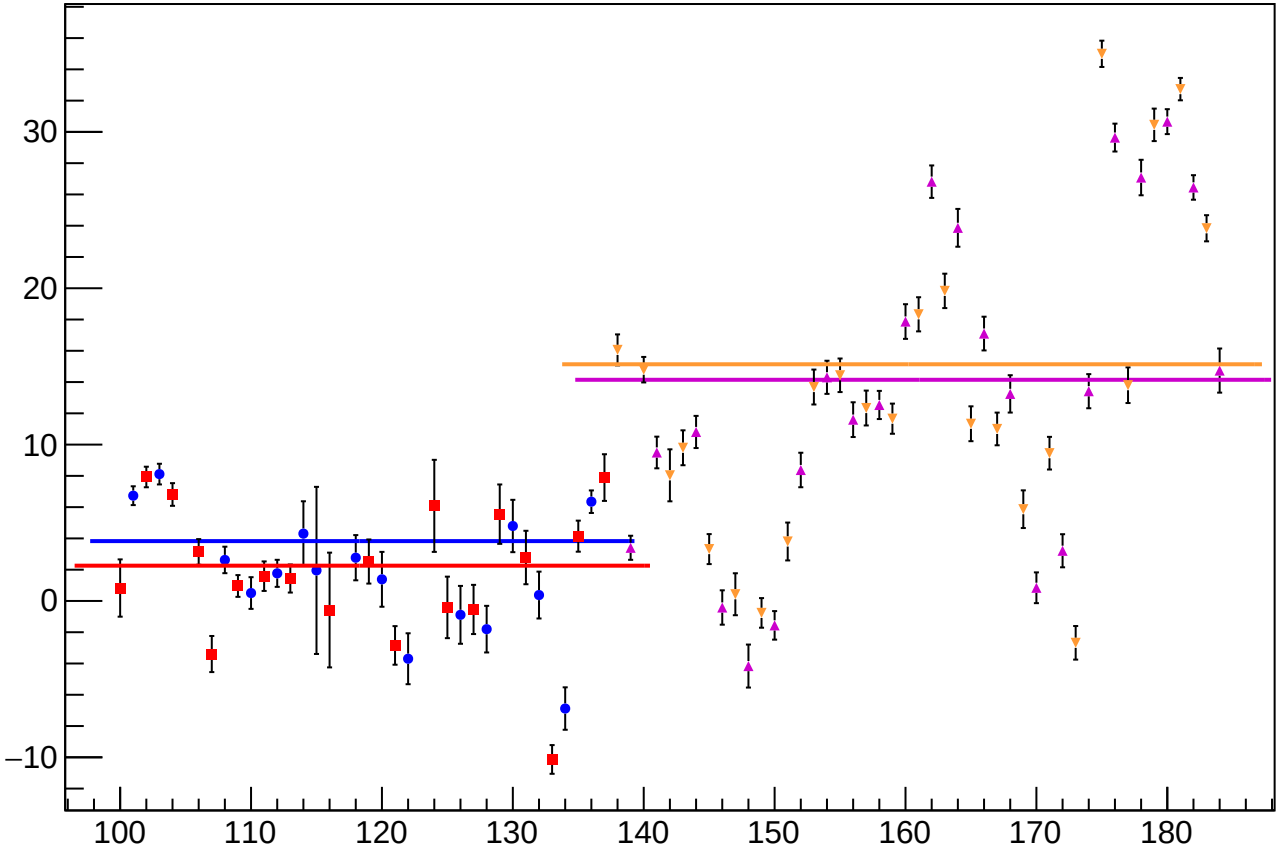
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 59.563+/-0.139 χ^2/NDF: 3317.6/39

All: 59.203+/-0.098 χ^2/NDF: 6349.6/81

- sign 58.843+/-0.139 χ^2/NDF: 3018.5/41

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

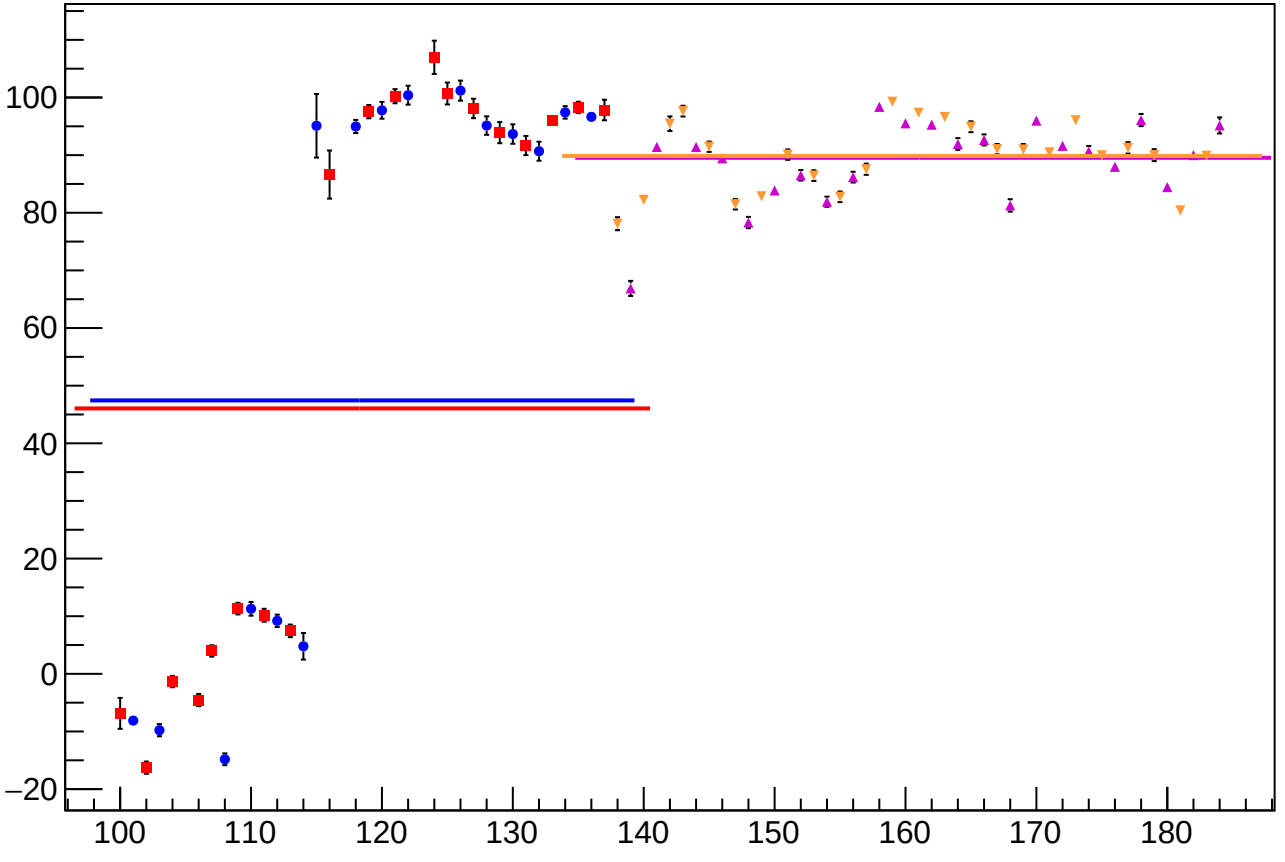
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.821+/-0.164 χ^2/NDF: 3944.1/39

All: 9.947+/-0.115 χ^2/NDF: 8254.3/81

- sign 9.110+/-0.160 χ^2/NDF: 4254.5/41

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

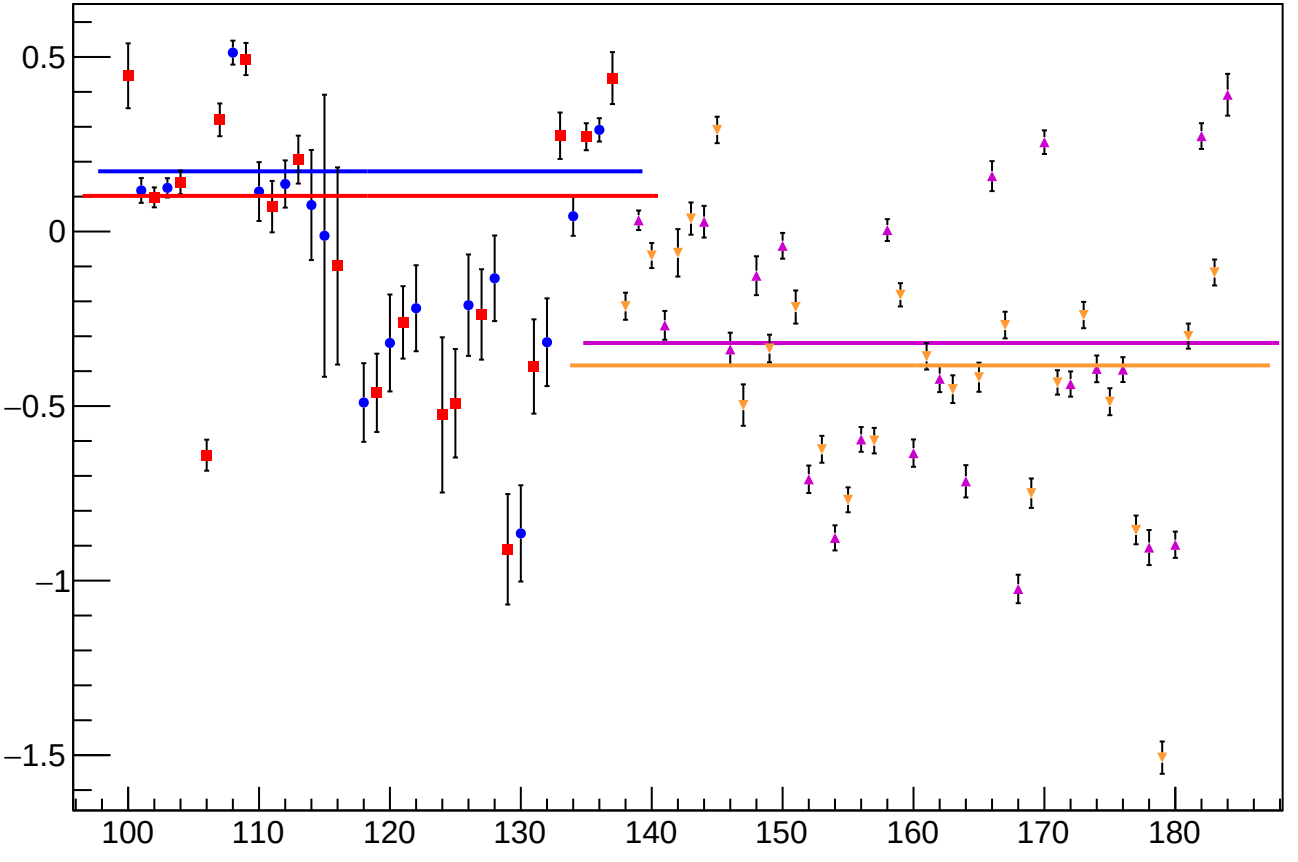
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

\+ sign 78.835+/-0.157 χ^2/NDF: 41982.6/39

All: 77.596+/-0.111 χ^2/NDF: 88393.6/81

\- sign 76.365+/-0.157 χ^2/NDF: 46286.8/41

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

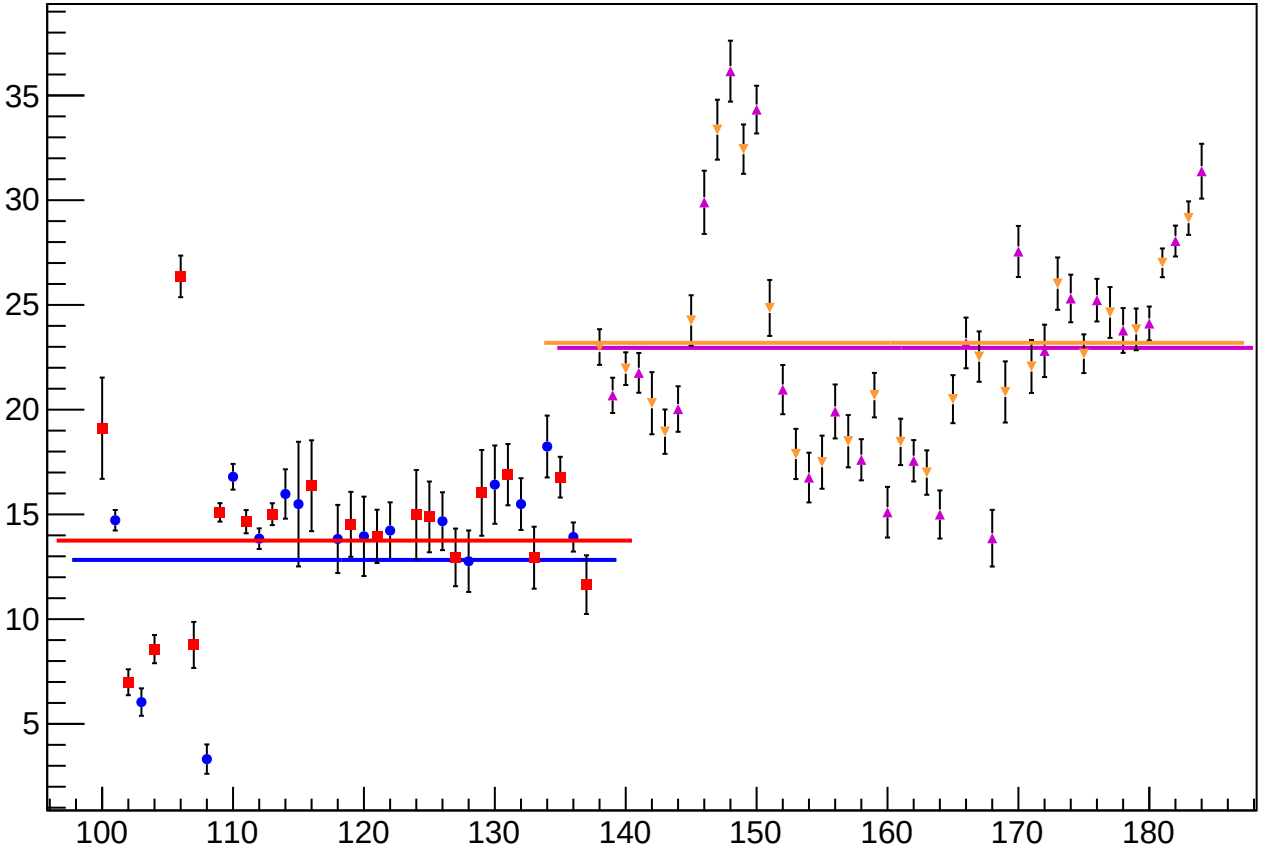
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.246+/-0.007 χ^2/NDF: 3079.0/39

All: -0.226+/-0.005 χ^2/NDF: 6814.6/81

- sign -0.207+/-0.007 χ^2/NDF: 3720.2/41

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

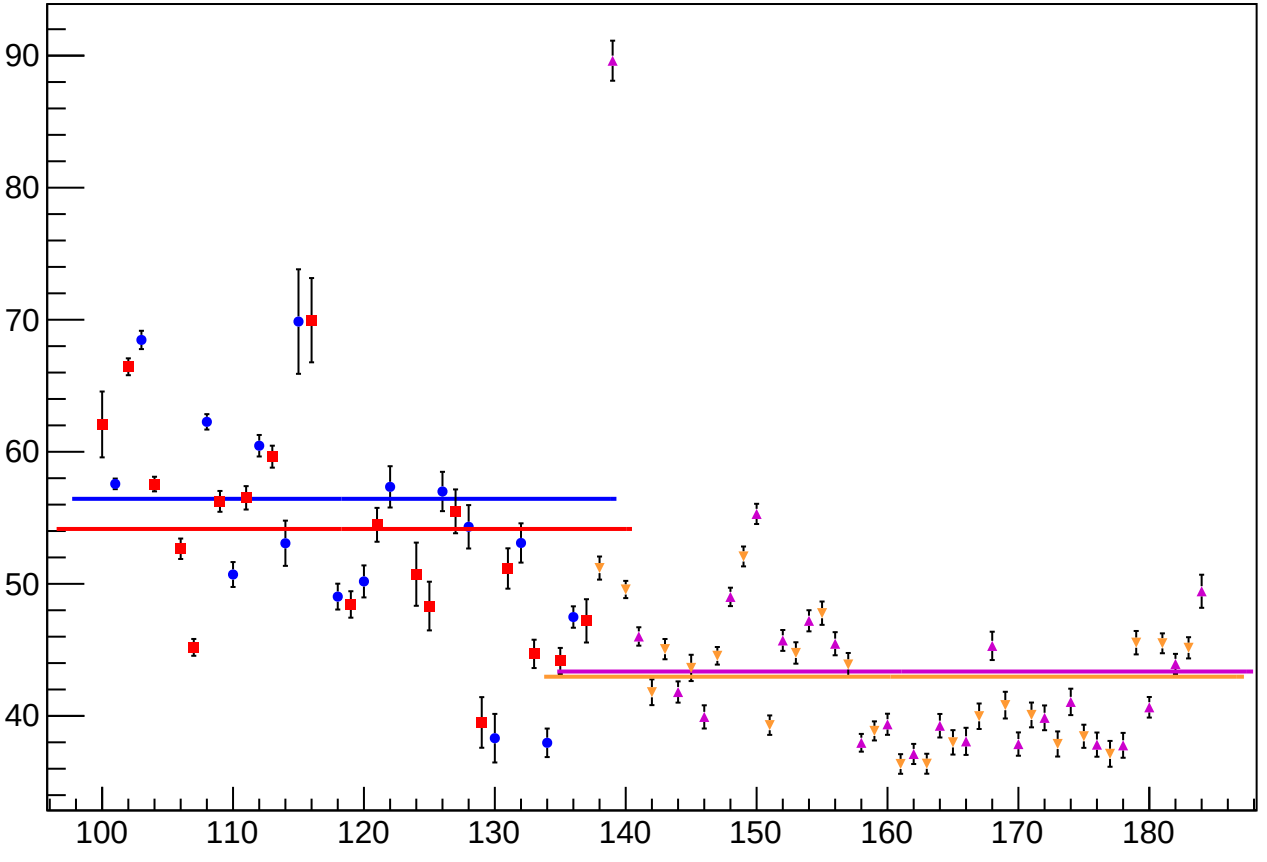
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.923+/-0.153 χ^2/NDF: 1892.1/39

All: 17.909+/-0.107 χ^2/NDF: 3776.5/81

- sign 17.896+/-0.151 χ^2/NDF: 1884.4/41

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

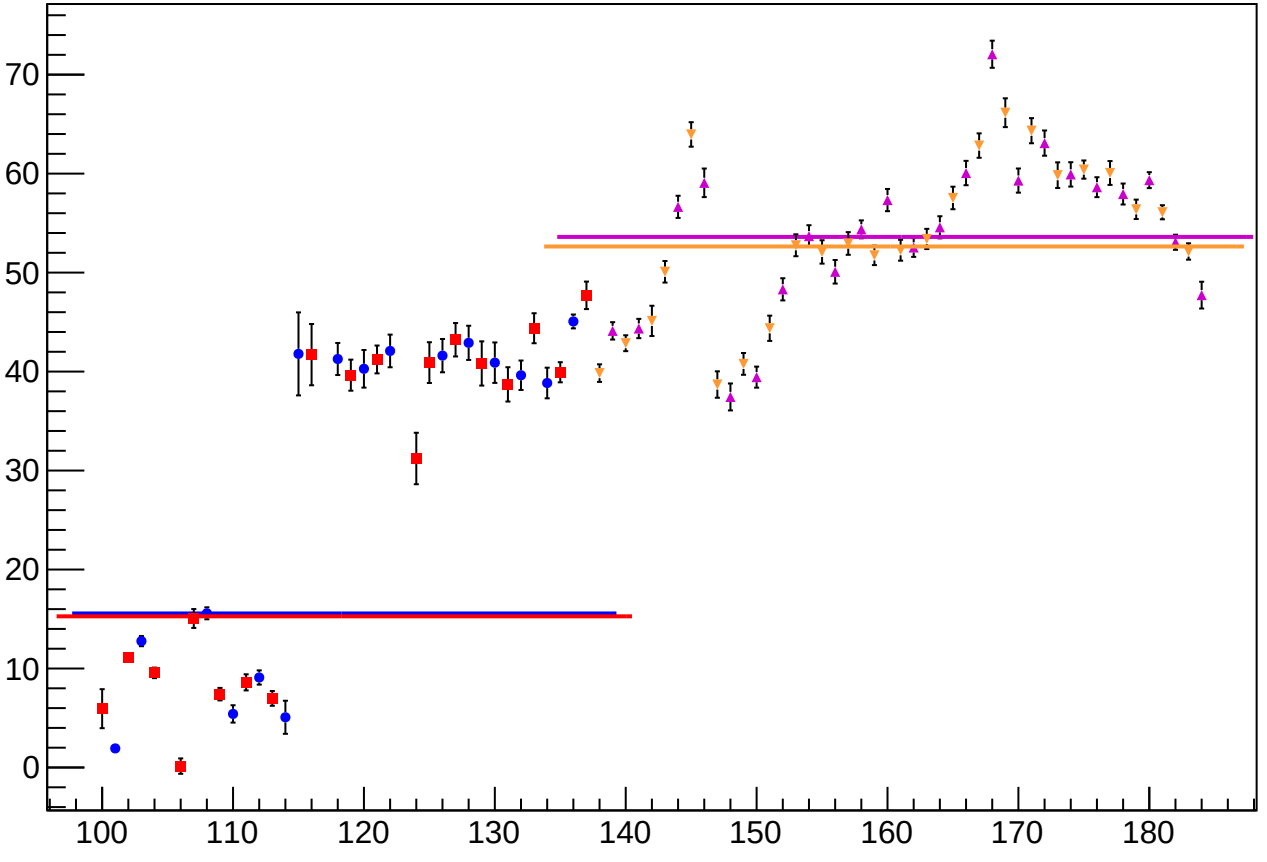
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 47.893+/-0.134 χ^2/NDF: 4198.1/39

All: 47.704+/-0.097 χ^2/NDF: 8317.4/81

- sign 47.500+/-0.139 χ^2/NDF: 4115.1/41

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

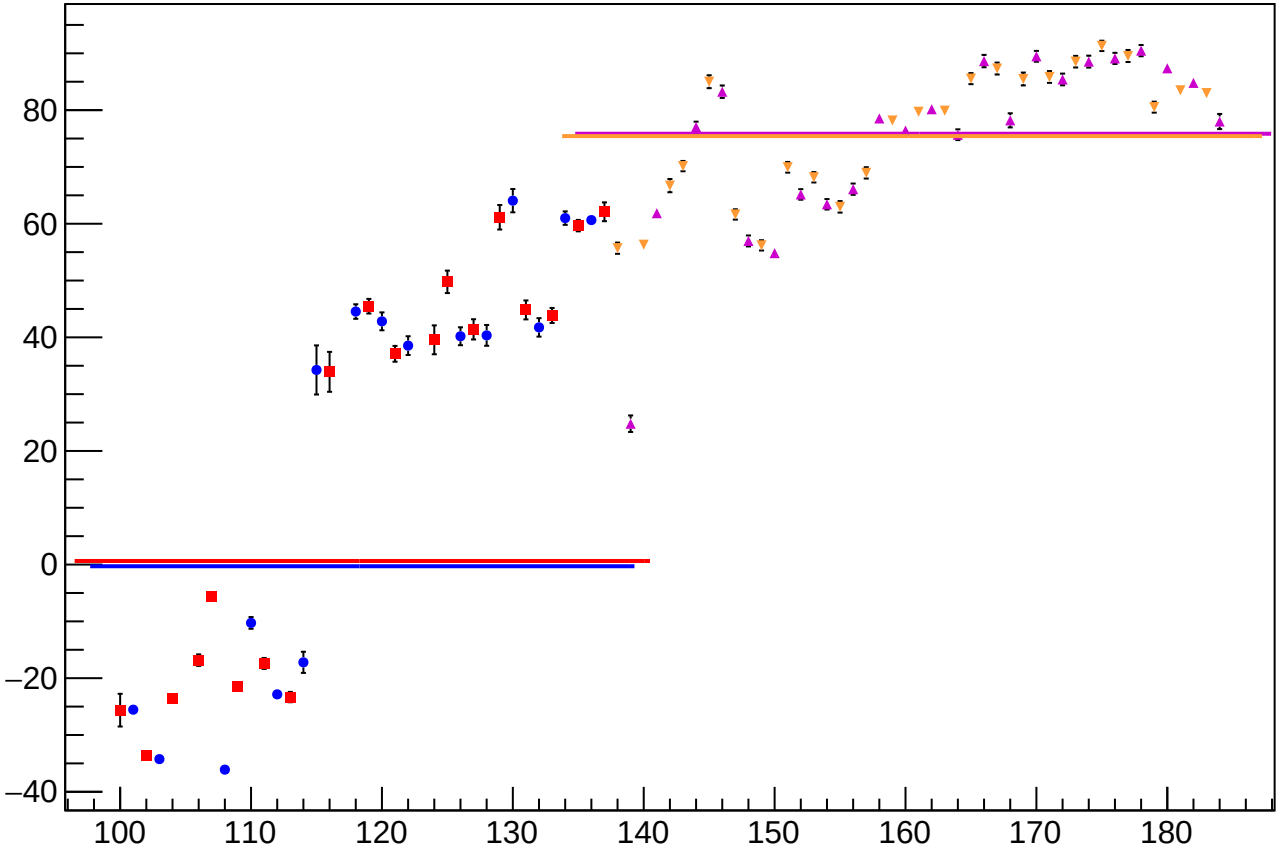
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 33.910+/-0.152 χ^2/NDF: 21207.9/39

All: 34.008+/-0.109 χ^2/NDF: 41137.3/81

- sign 34.112+/-0.156 χ^2/NDF: 19928.5/41

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

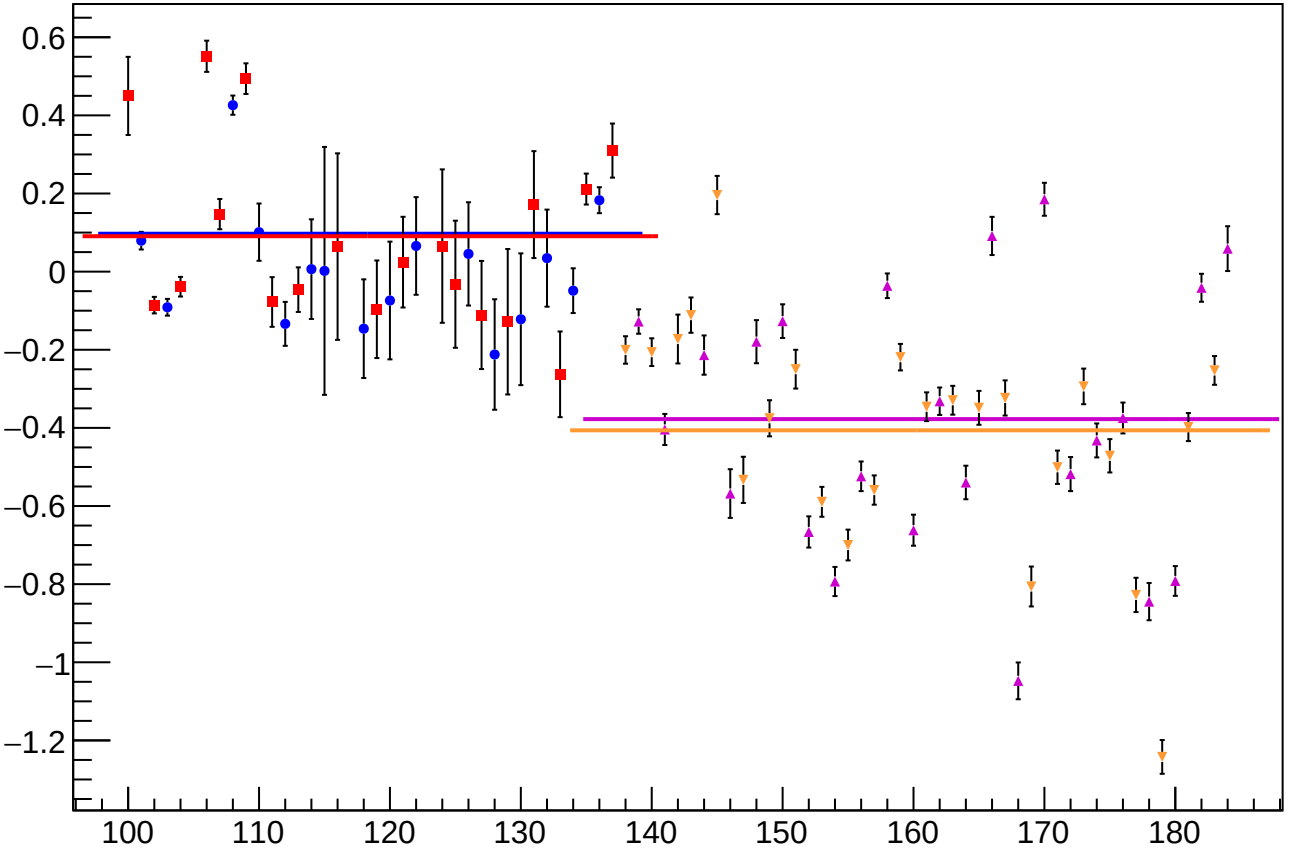
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.296+/-0.154 χ^2/NDF: 79457.3/39

All: 49.078+/-0.110 χ^2/NDF: 151938.3/81

- sign 48.847+/-0.158 χ^2/NDF: 72476.9/41

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

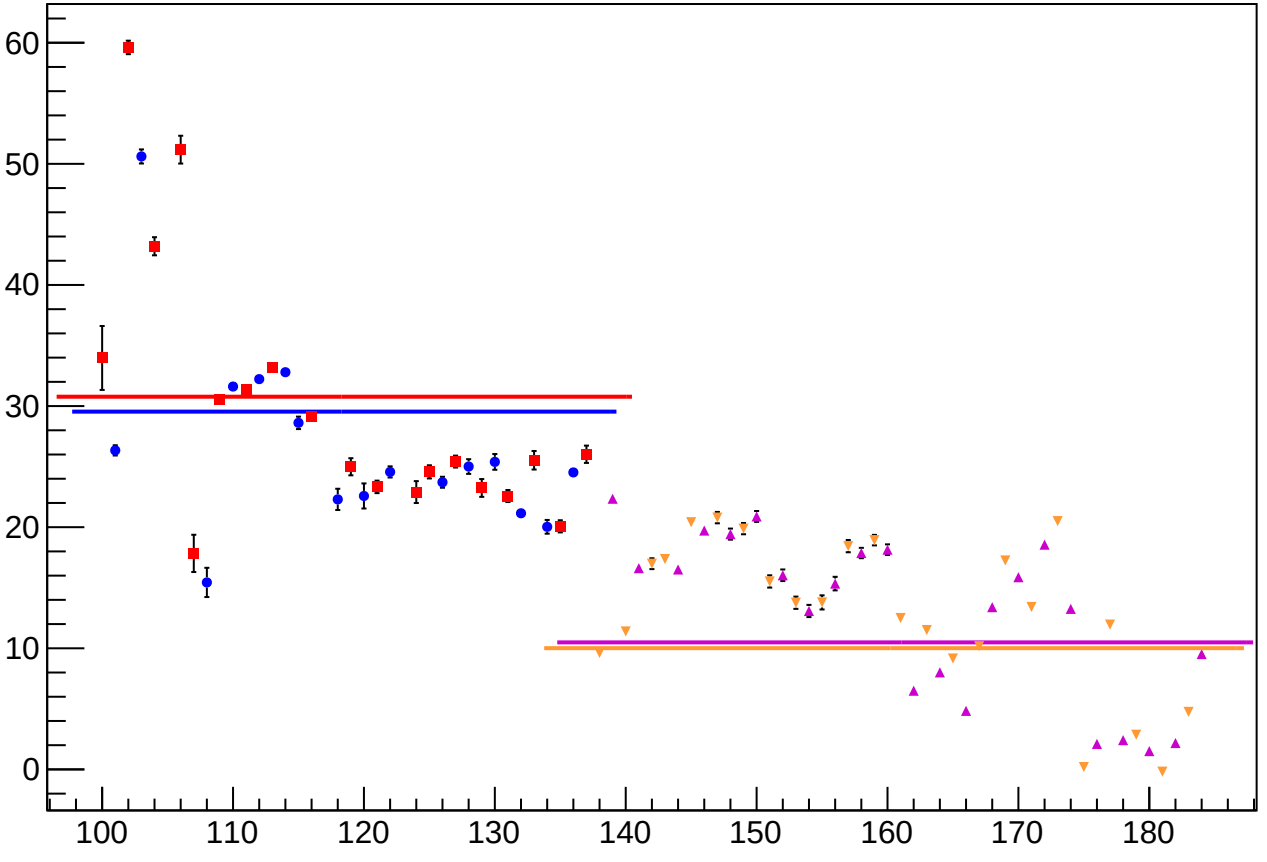
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.223+/-0.007 χ^2/NDF: 2563.3/39

All: -0.215+/-0.005 χ^2/NDF: 5393.0/81

- sign -0.208+/-0.007 χ^2/NDF: 2827.2/41

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

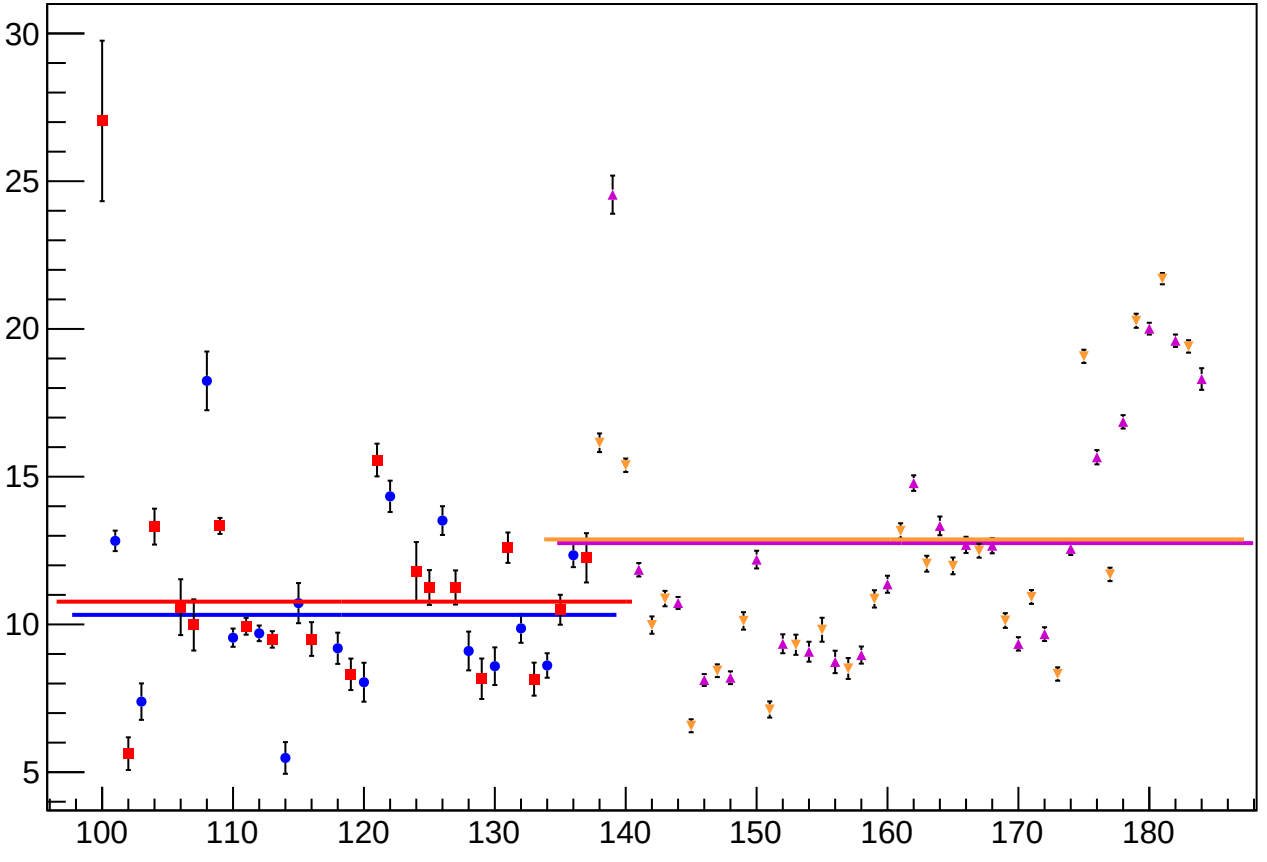
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.501+/-0.053 χ^2/NDF: 45793.4/39

All: 17.688+/-0.037 χ^2/NDF: 101150.1/81

- sign 18.801+/-0.051 χ^2/NDF: 54384.9/41

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

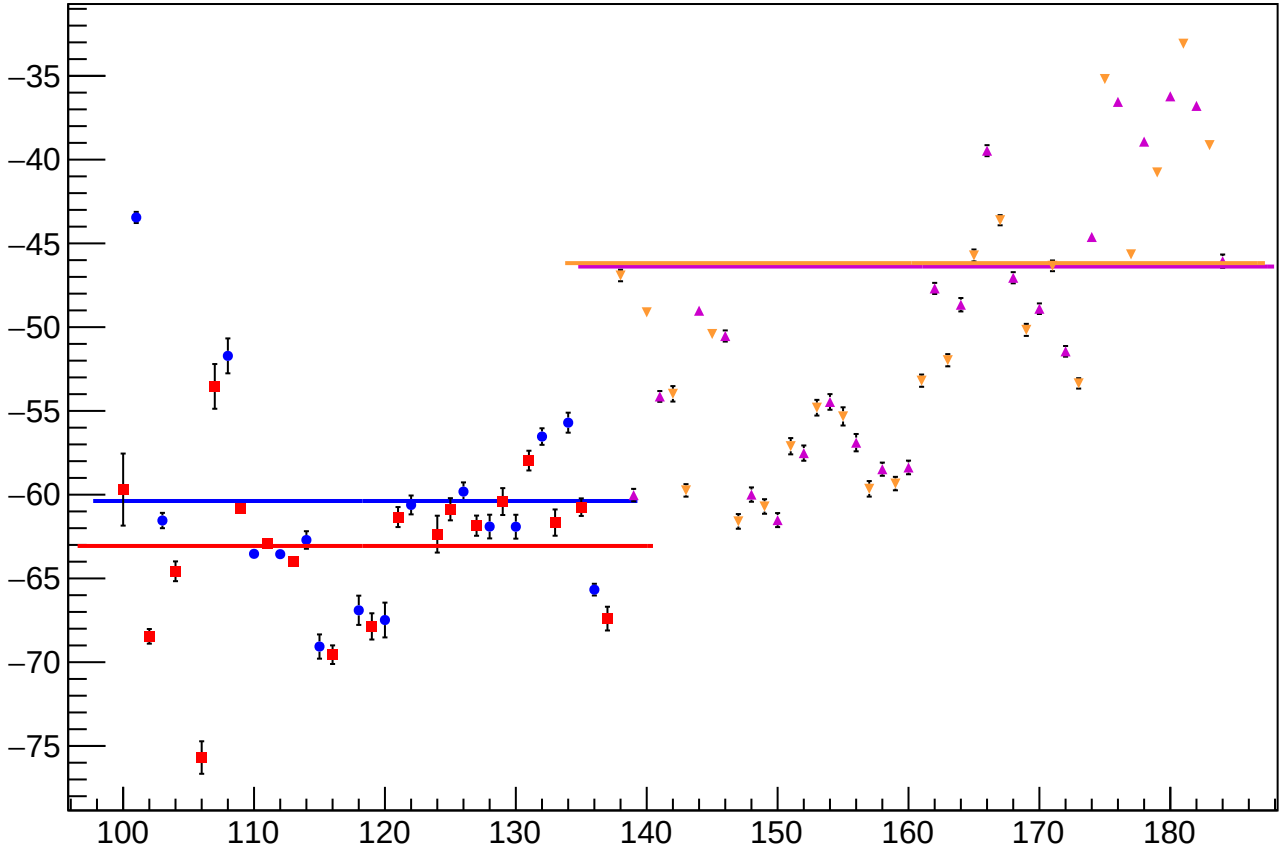
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.444+/-0.047 χ^2/NDF: 8783.1/39

All: 12.420+/-0.034 χ^2/NDF: 14954.5/81

- sign 12.395+/-0.048 χ^2/NDF: 6170.8/41

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

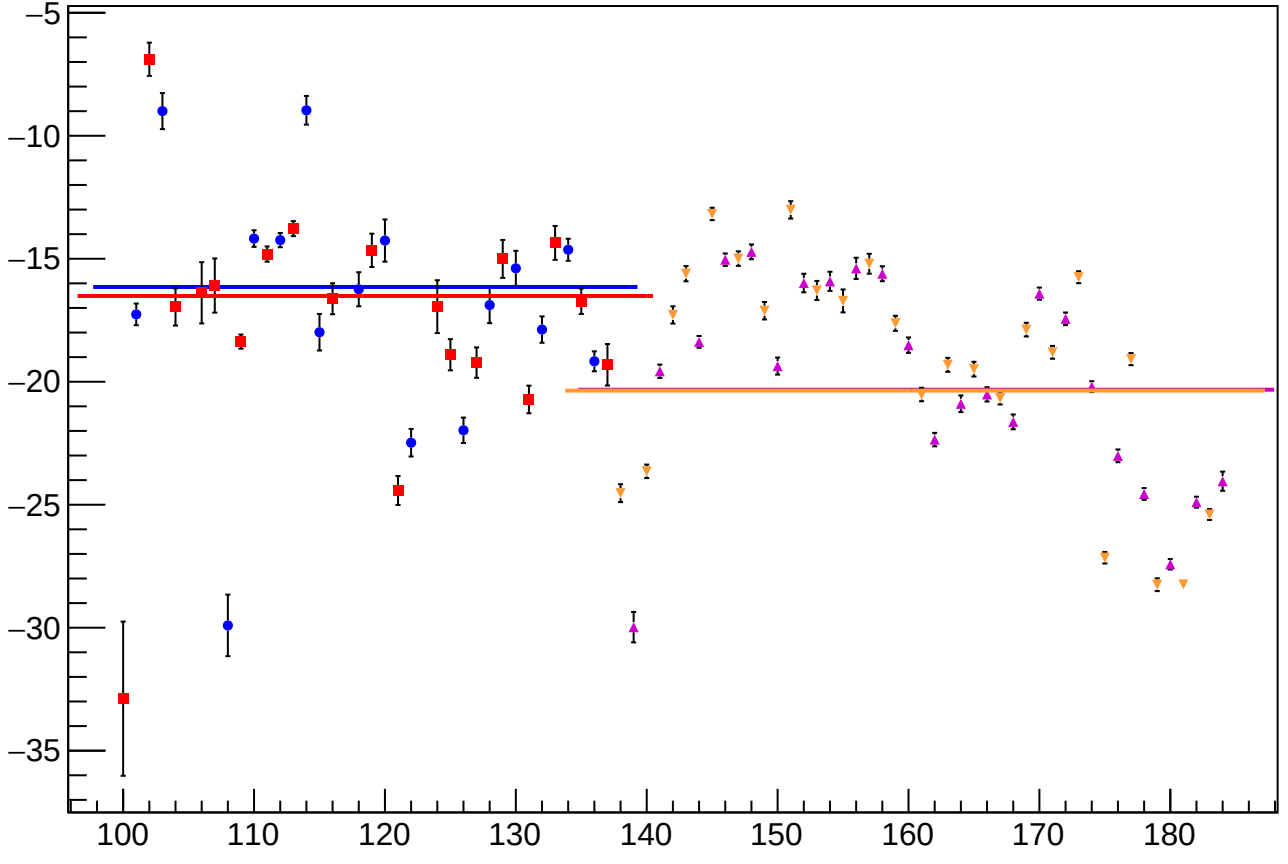
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.718+/-0.056 χ^2/NDF: 32893.8/39

All: -50.378+/-0.040 χ^2/NDF: 66516.8/81

- sign -51.044+/-0.057 χ^2/NDF: 33348.2/41

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

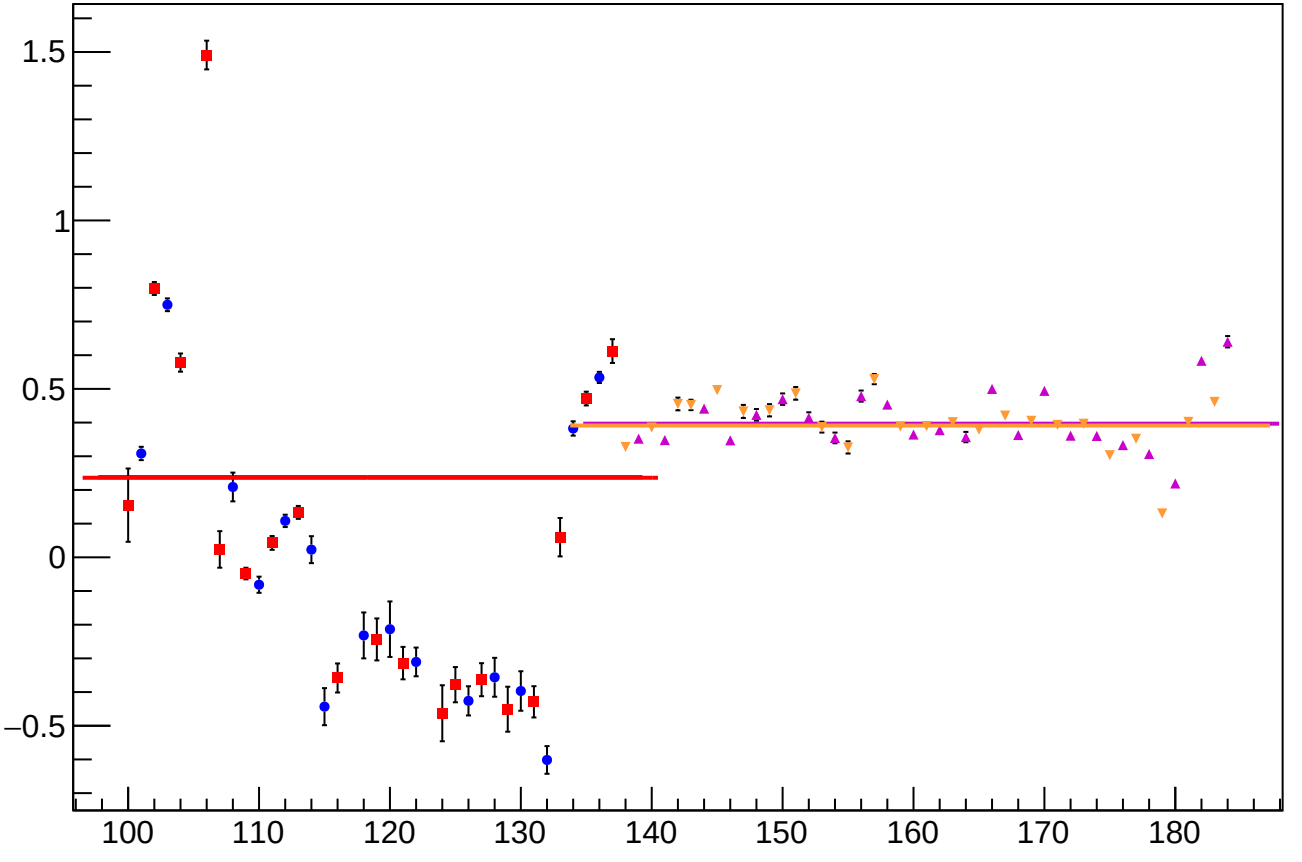
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.640+/-0.053 χ^2/NDF: 8642.1/39

All: -19.633+/-0.037 χ^2/NDF: 14363.4/81

- sign -19.625+/-0.053 χ^2/NDF: 5721.3/41

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

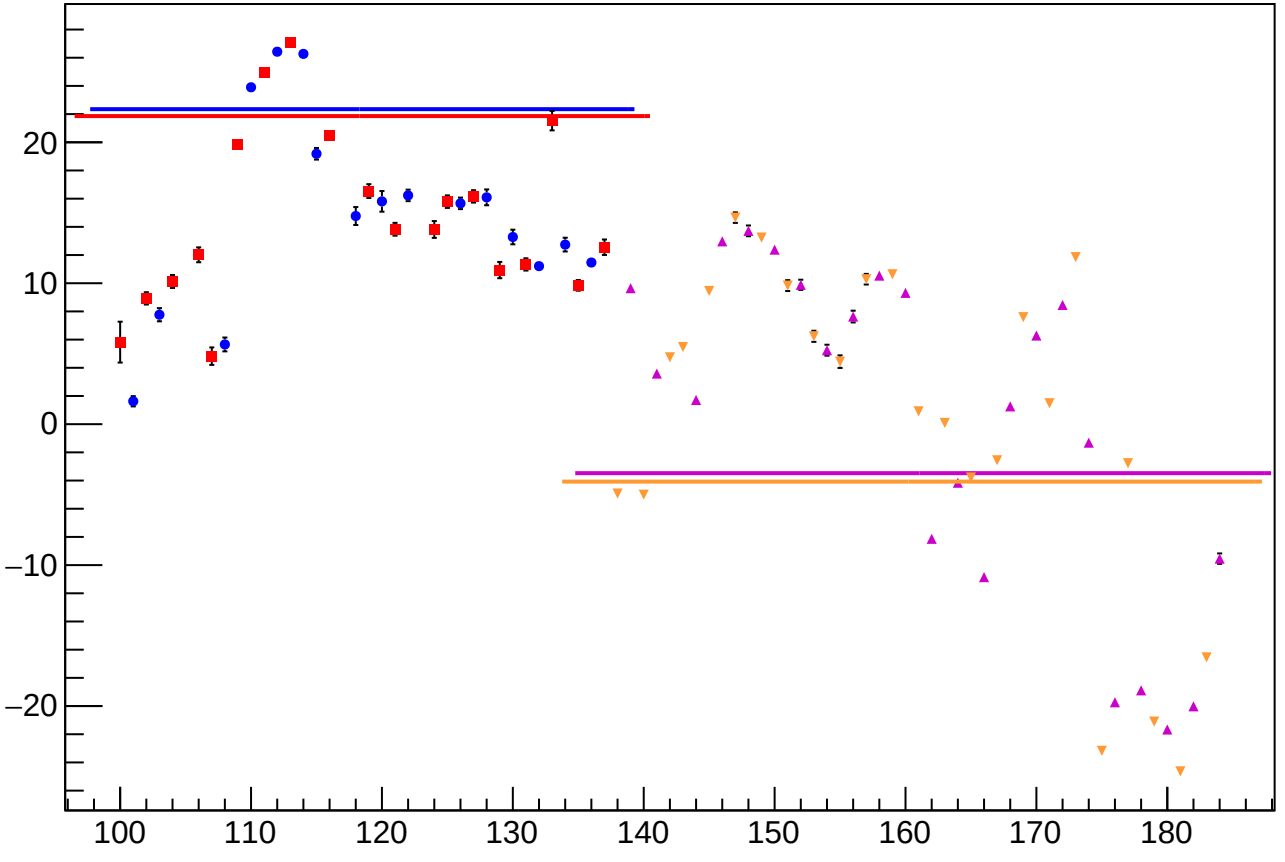
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.373+/-0.002 χ^2/NDF: 3961.1/39

All: 0.375+/-0.002 χ^2/NDF: 9303.8/81

- sign 0.377+/-0.002 χ^2/NDF: 5341.1/41

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

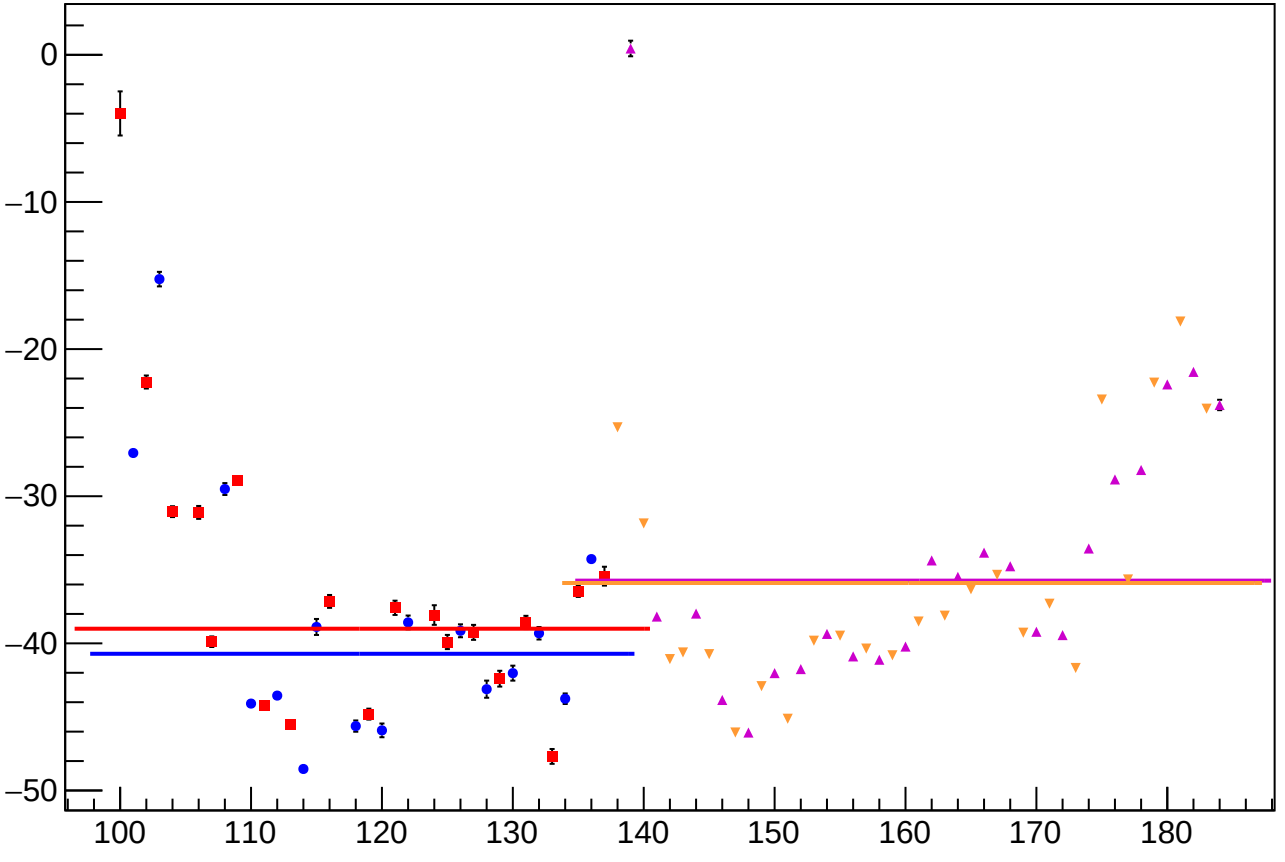
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.781+/-0.039 χ^2/NDF: 178119.8/39

All: 10.470+/-0.027 χ^2/NDF: 355284.8/81

- sign 11.879+/-0.036 χ^2/NDF: 173803.3/41

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

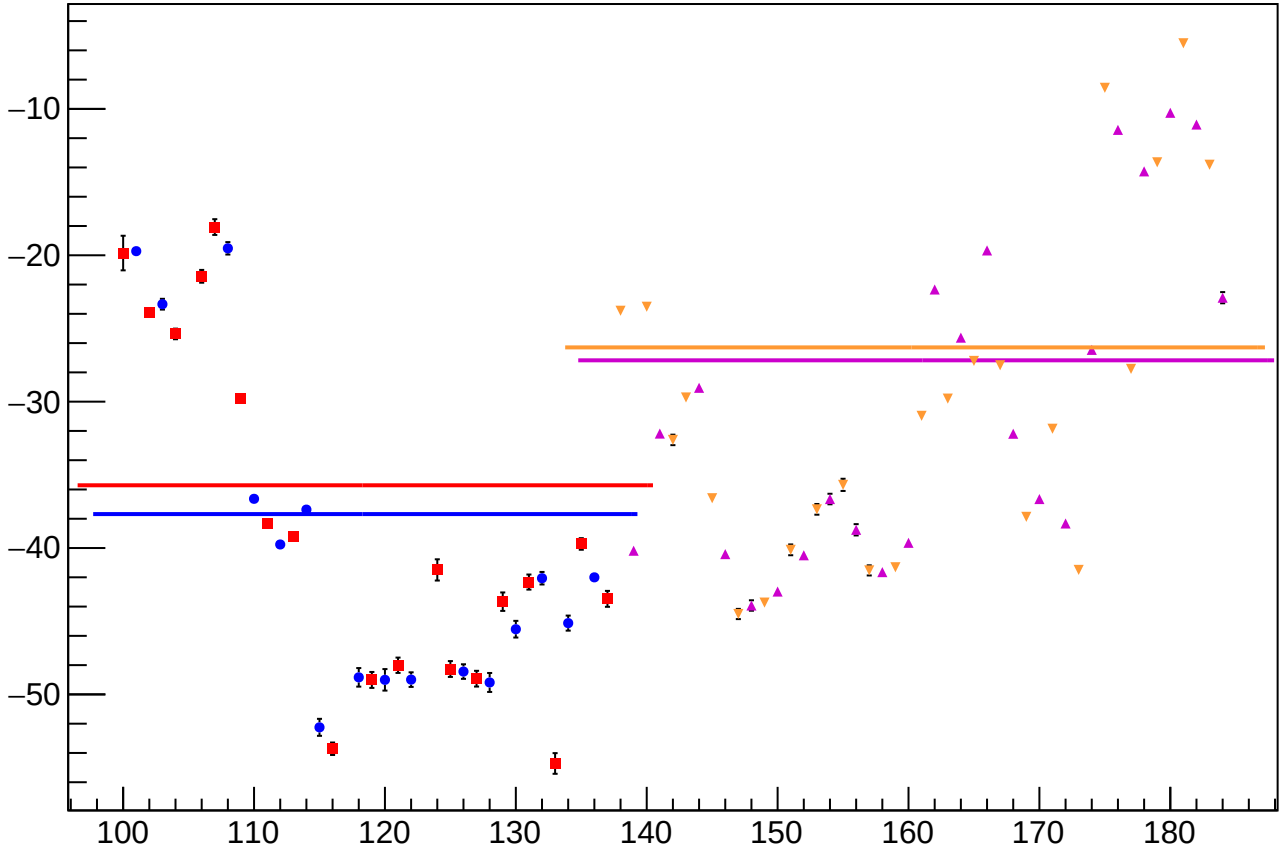
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.043+/-0.037 χ^2/NDF: 44204.0/39

All: -36.860+/-0.027 χ^2/NDF: 83020.2/81

- sign -36.671+/-0.038 χ^2/NDF: 38767.4/41

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

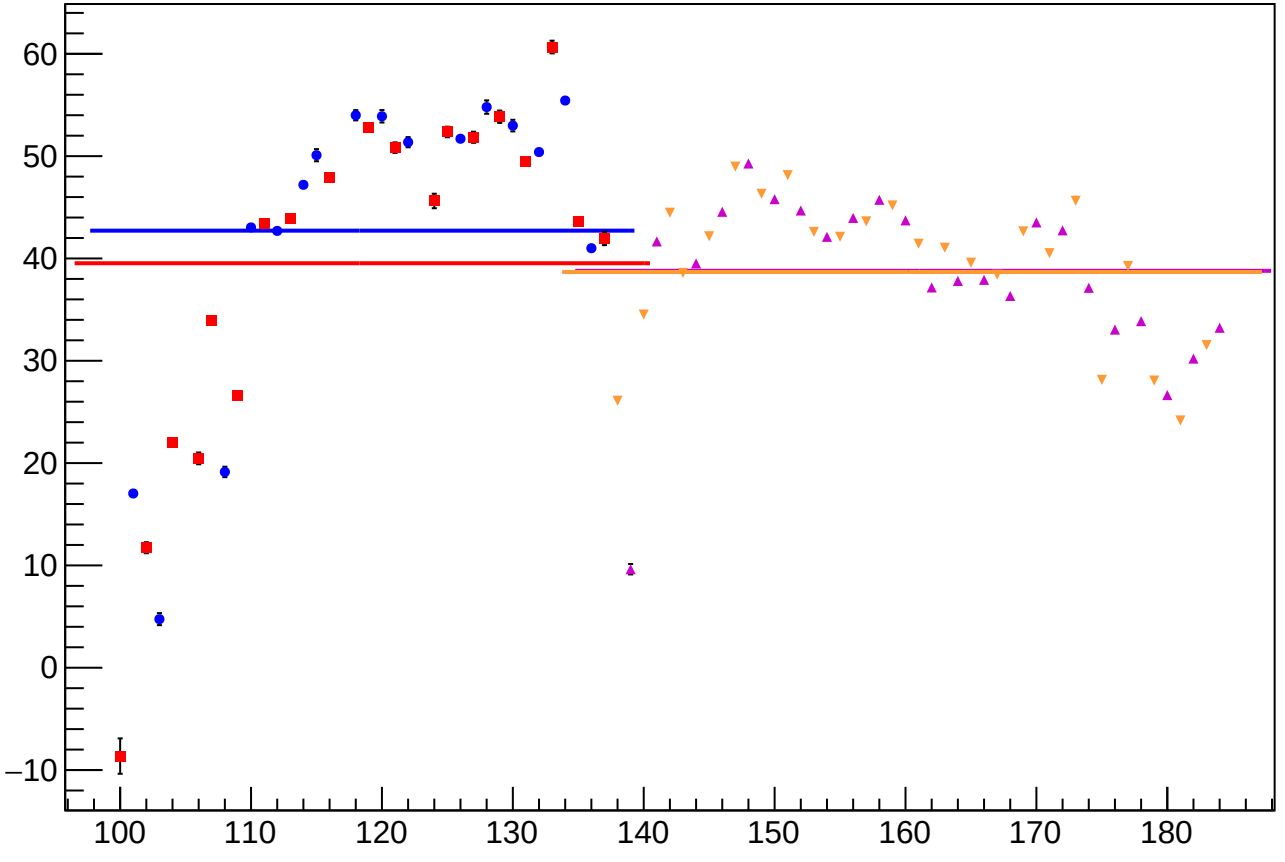
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.369+/-0.044 χ^2/NDF: 73933.3/39

All: -30.668+/-0.031 χ^2/NDF: 138120.4/81

- sign -30.948+/-0.043 χ^2/NDF: 64098.3/41

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

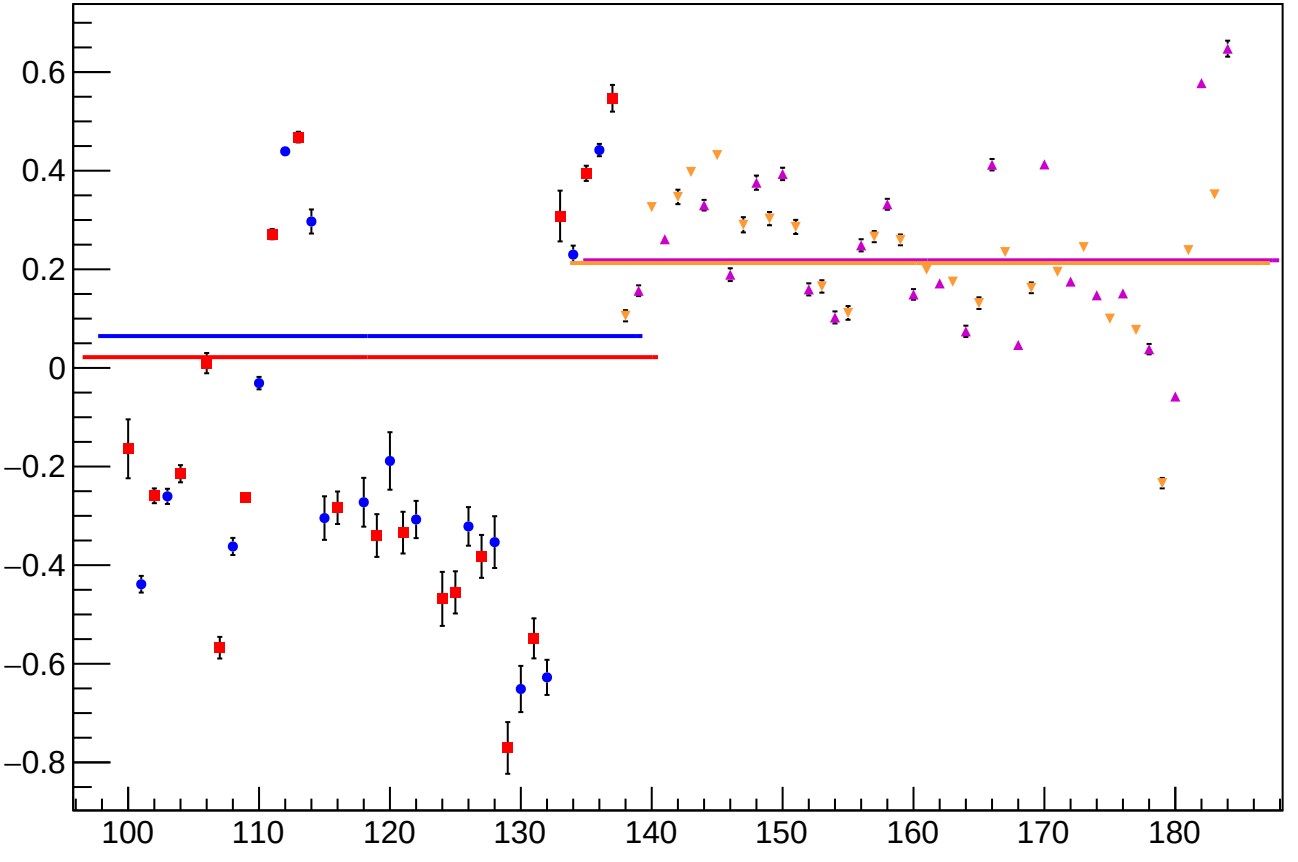
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.658+/-0.042 χ^2/NDF: 37300.0/39

All: 39.336+/-0.030 χ^2/NDF: 71702.2/81

- sign 39.008+/-0.042 χ^2/NDF: 34282.6/41

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

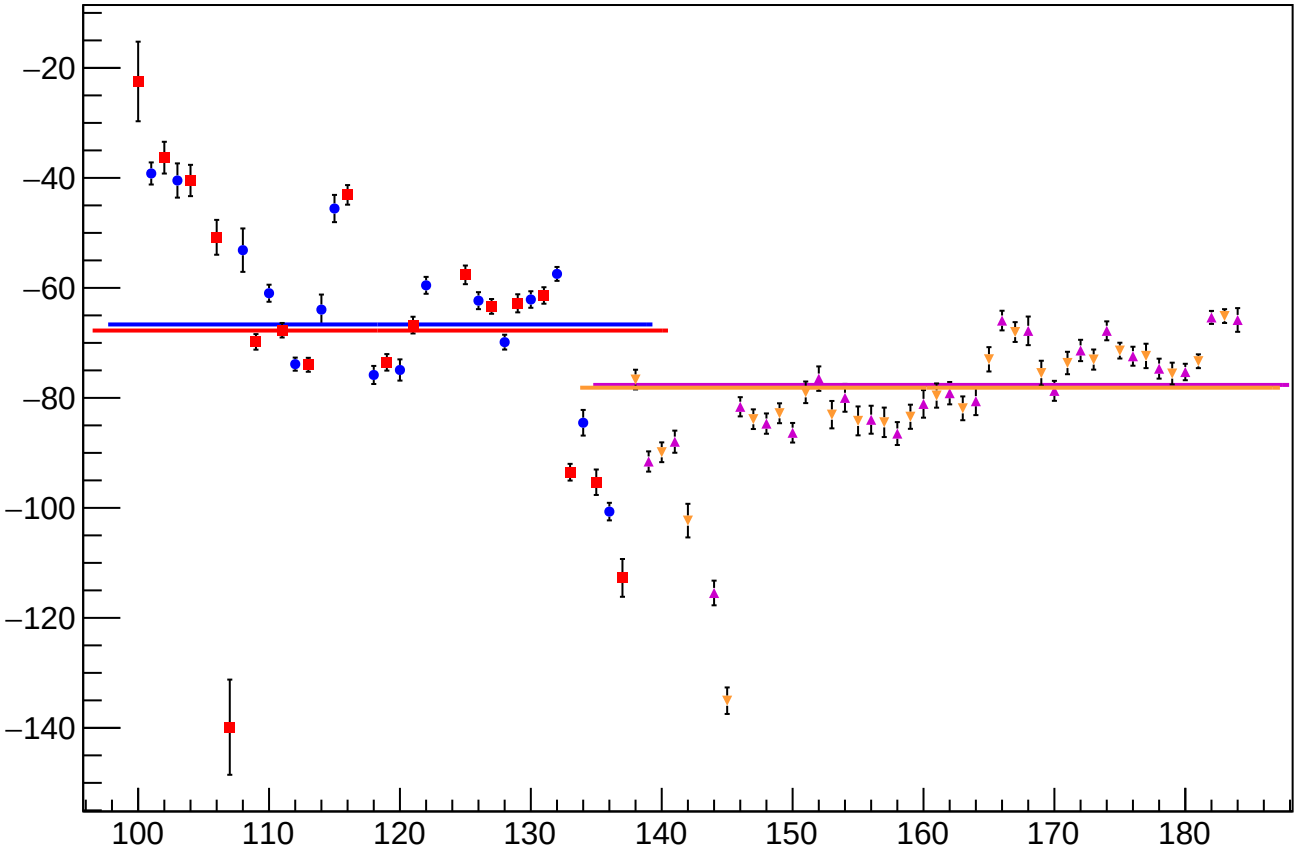
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.188+/-0.002 χ^2/NDF: 10108.0/39

All: 0.183+/-0.001 χ^2/NDF: 23431.9/81

- sign 0.178+/-0.002 χ^2/NDF: 13311.3/41

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

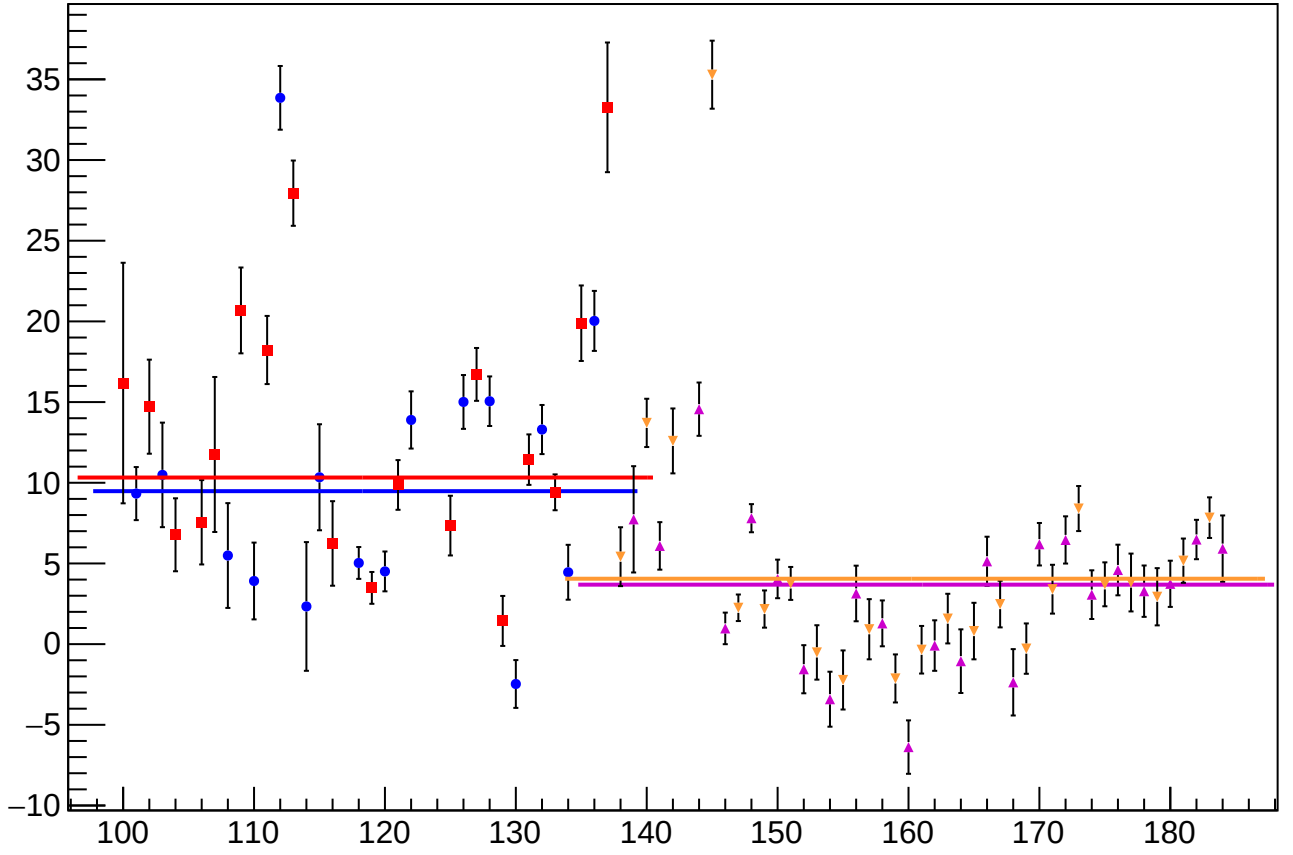
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

\+ sign -72.787+/-0.291 χ^2/NDF: 2349.0/38

All: -72.883+/-0.205 χ^2/NDF: 4591.4/79

\- sign -72.978+/-0.288 χ^2/NDF: 2242.2/40

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

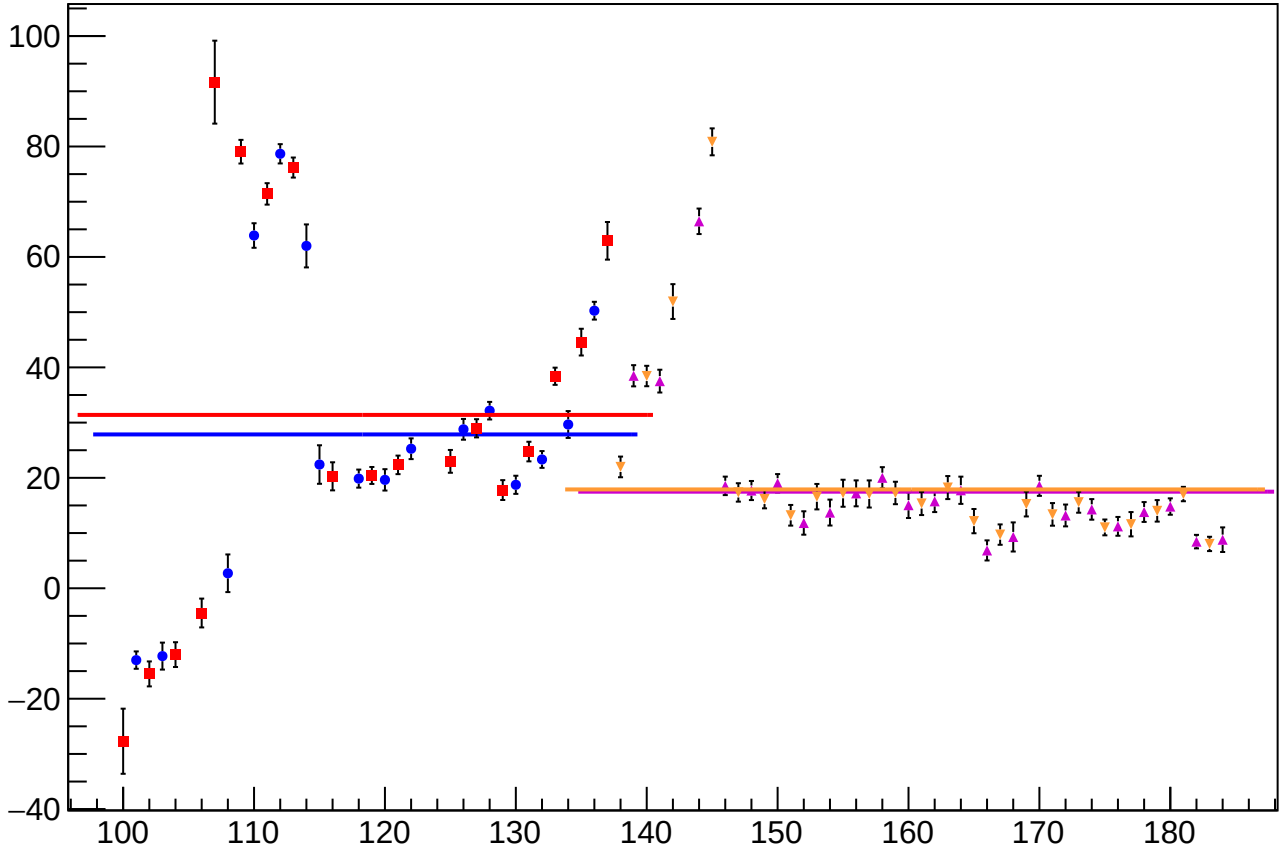
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.833+/-0.245 χ^2/NDF: 820.2/38

All: 5.836+/-0.174 χ^2/NDF: 1423.2/79

- sign 5.838+/-0.248 χ^2/NDF: 603.0/40

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

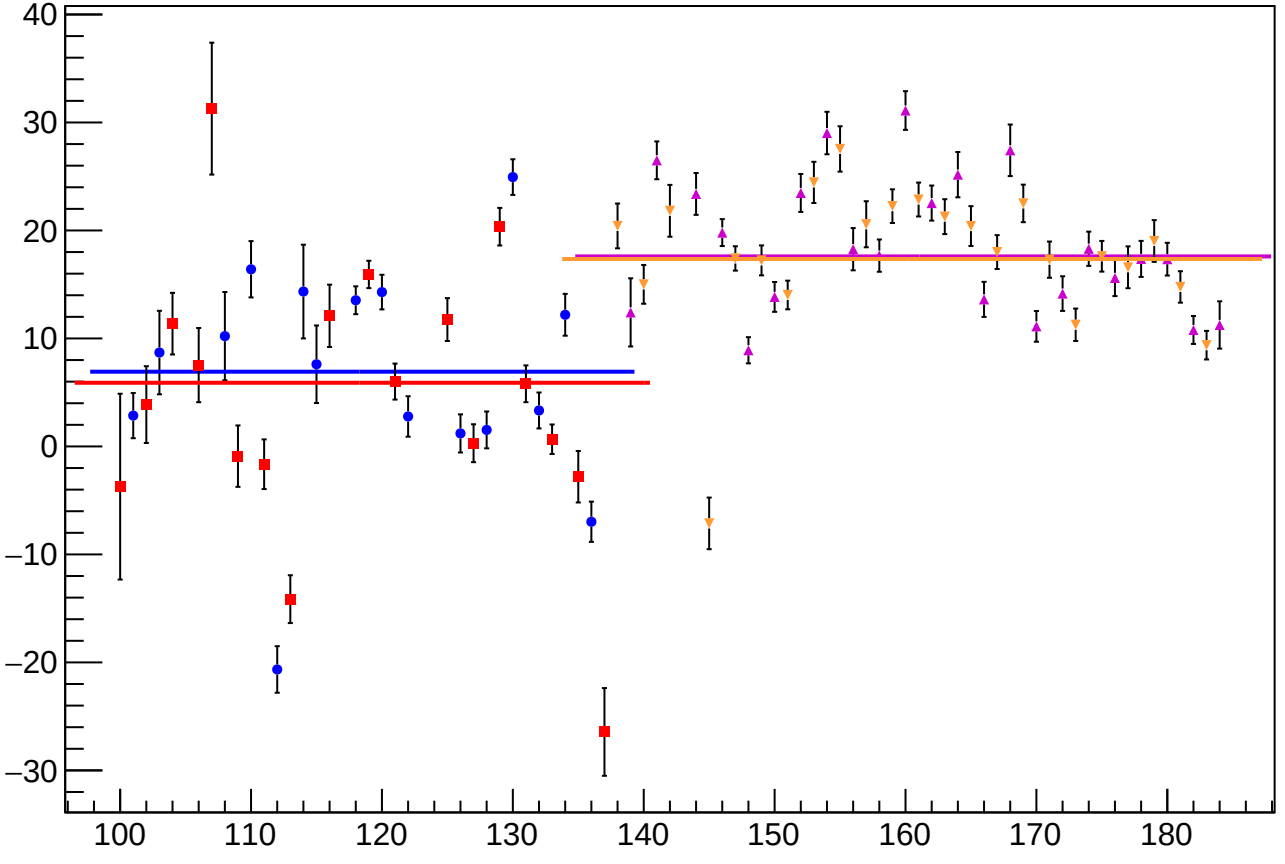
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

\+ sign 21.893+/-0.305 χ^2/NDF: 3776.7/38

All: 22.427+/-0.216 χ^2/NDF: 8108.1/79

\- sign 22.963+/-0.306 χ^2/NDF: 4325.2/40

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

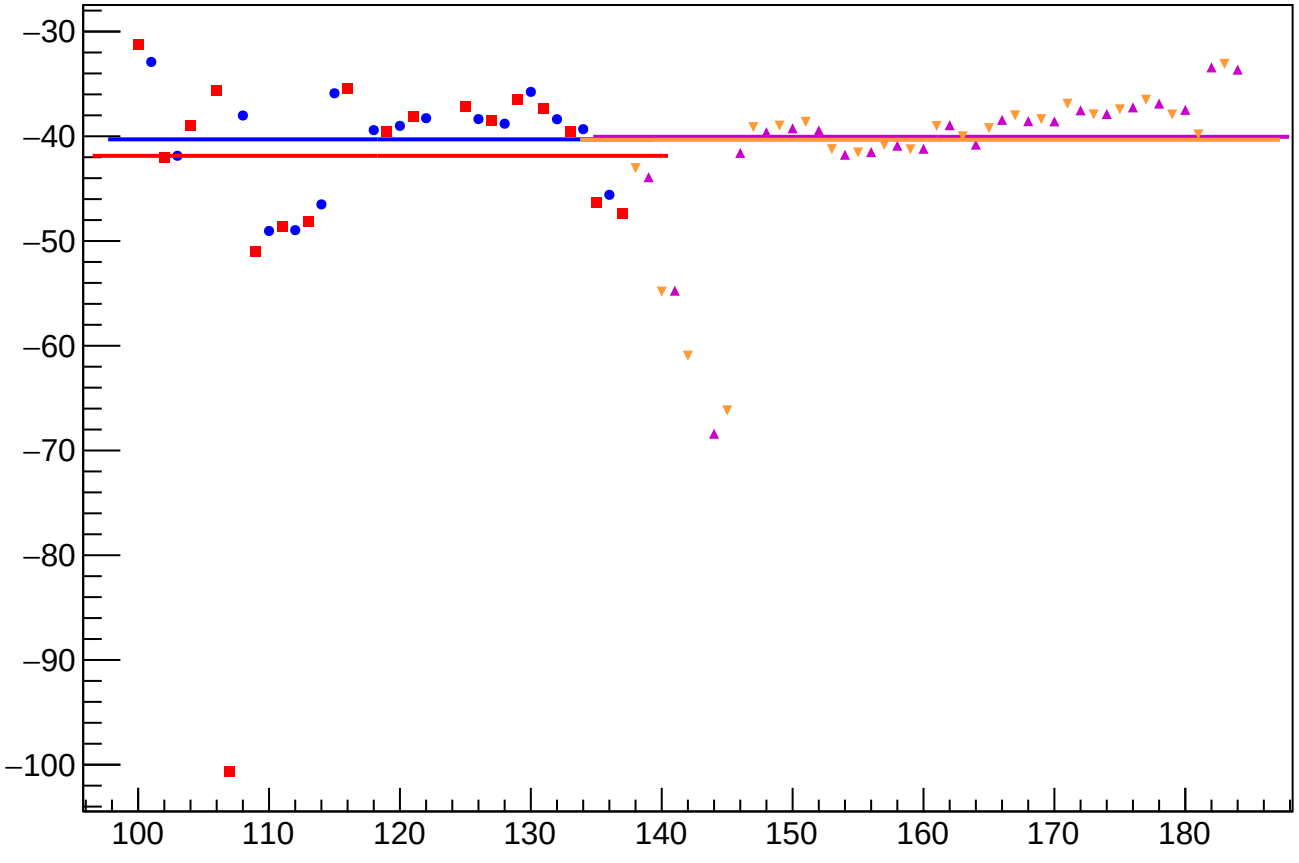
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 14.001+/-0.281 χ^2/NDF: 1000.0/38

All: 13.942+/-0.199 χ^2/NDF: 2048.6/79

- sign 13.882+/-0.283 χ^2/NDF: 1048.5/40

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

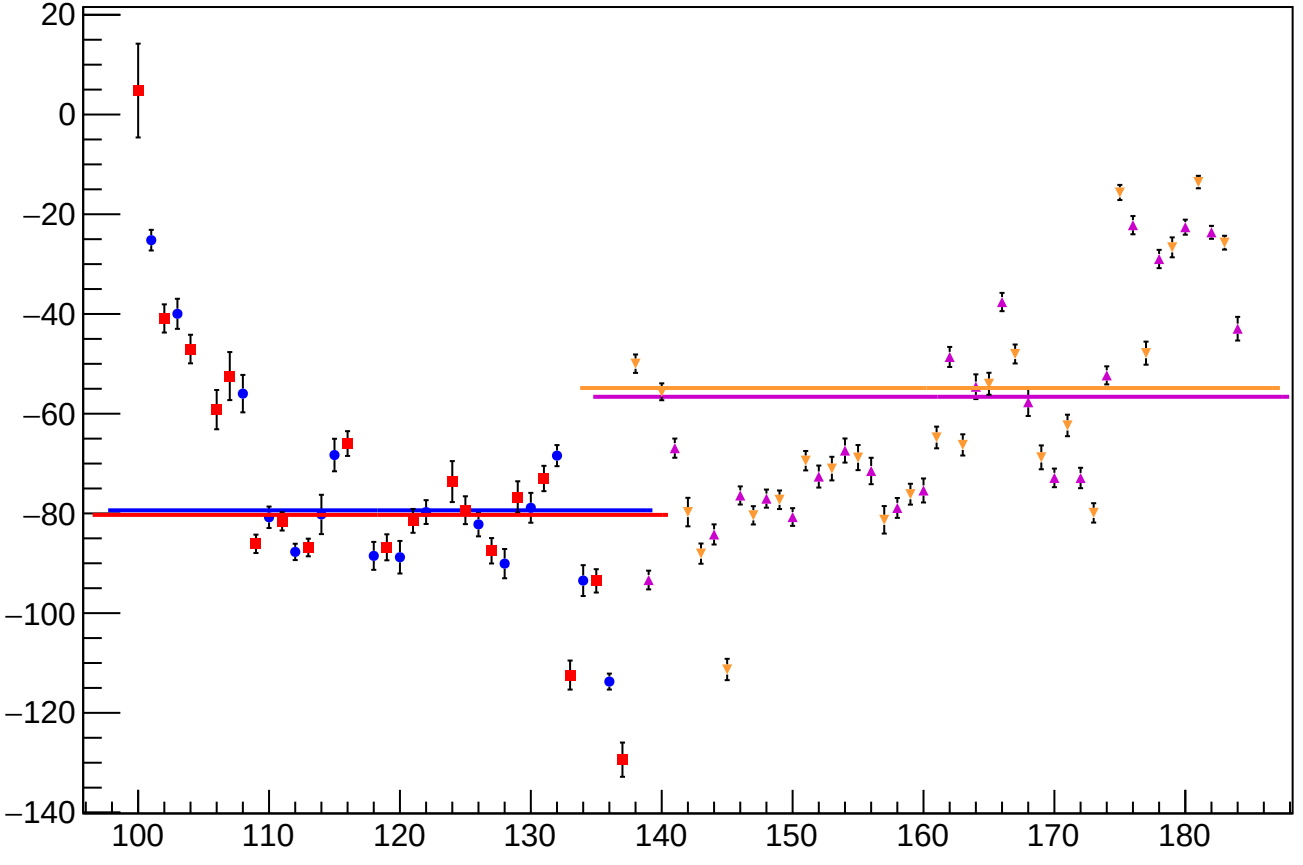
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.328+/-0.014 χ^2/NDF: 179012.0/38

All: -40.359+/-0.010 χ^2/NDF: 376801.1/79

- sign -40.389+/-0.014 χ^2/NDF: 197779.5/40

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

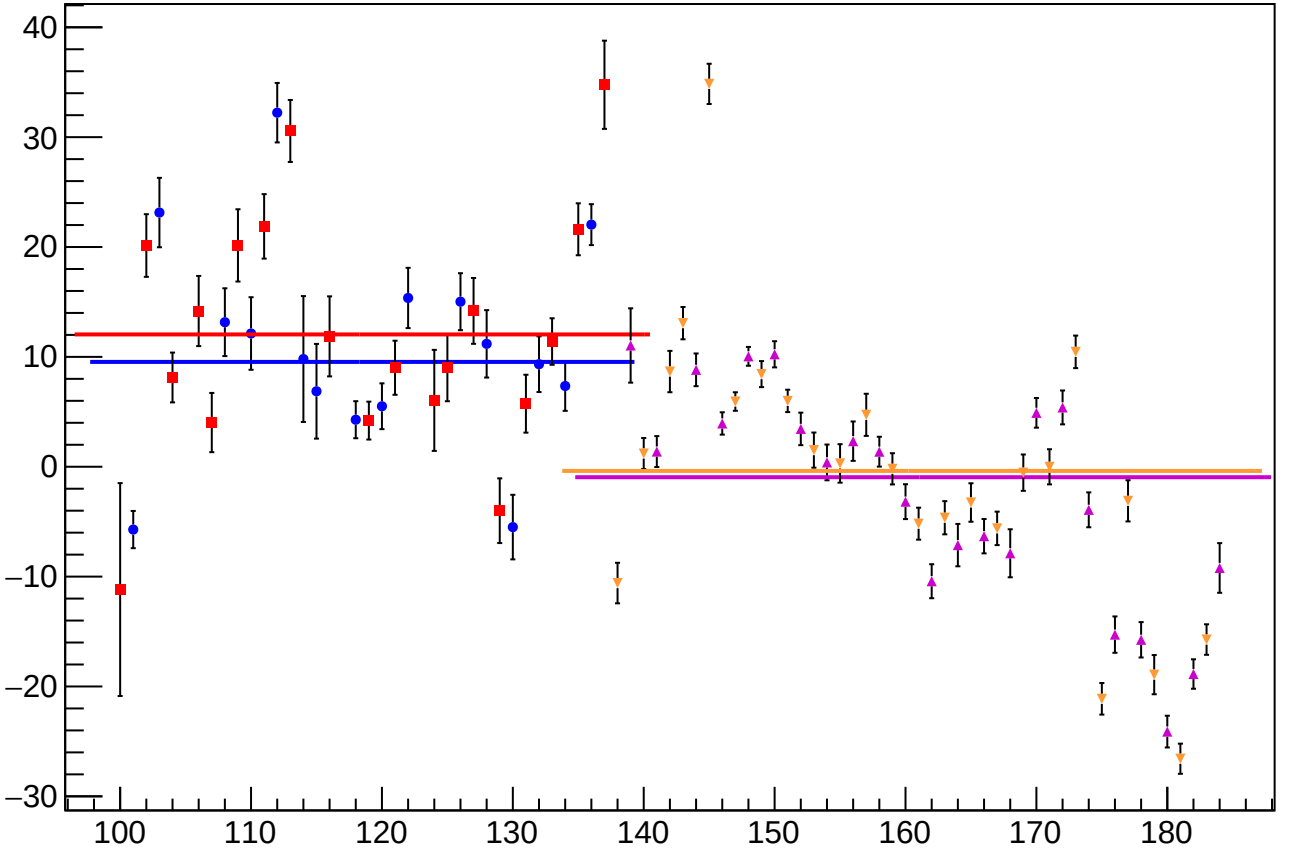
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -62.114+/-0.333 χ^2/NDF: 7000.1/39

All: -63.010+/-0.236 χ^2/NDF: 12342.4/81

- sign -63.923+/-0.336 χ^2/NDF: 5327.7/41

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

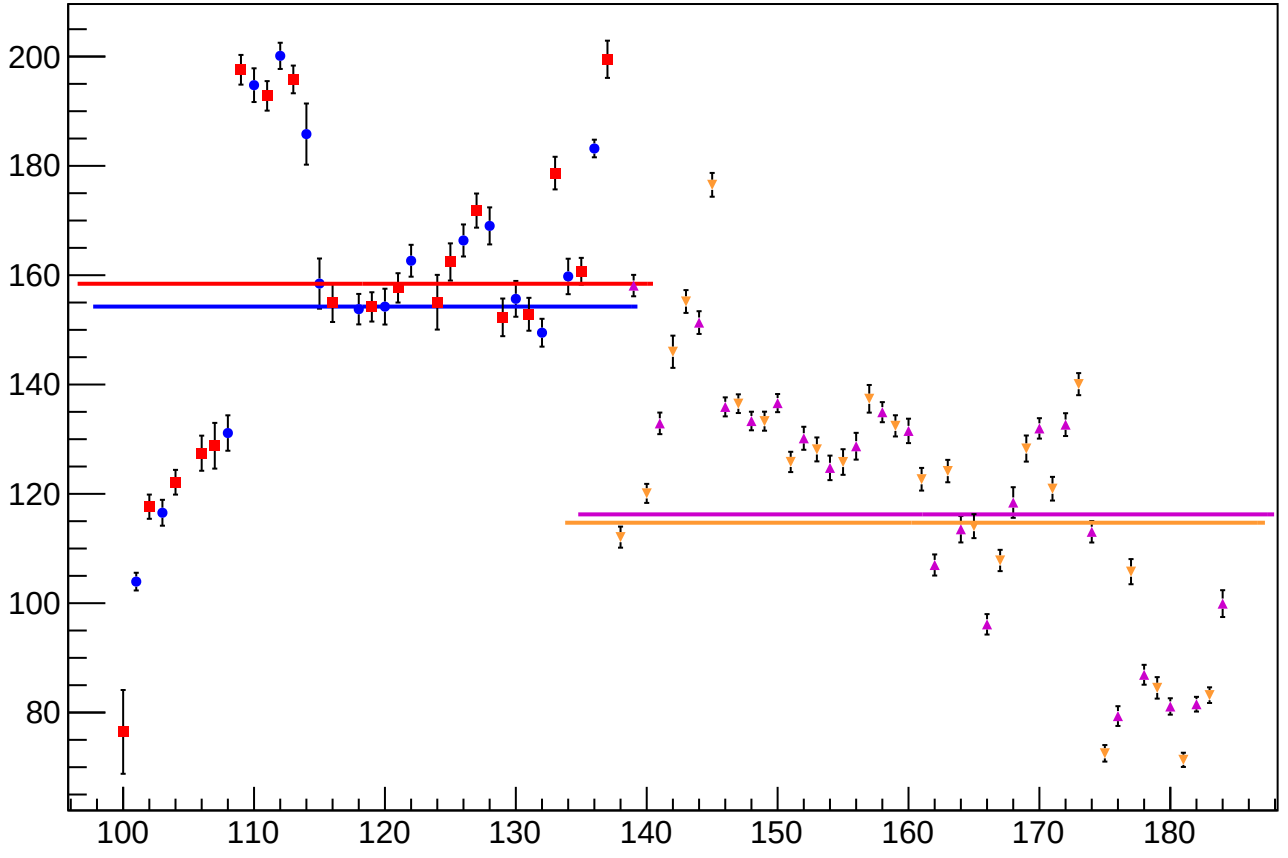
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 1.455+/-0.267 χ^2/NDF: 2035.1/39

All: 1.457+/-0.191 χ^2/NDF: 3639.6/81

- sign 1.460+/-0.274 χ^2/NDF: 1604.5/41

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

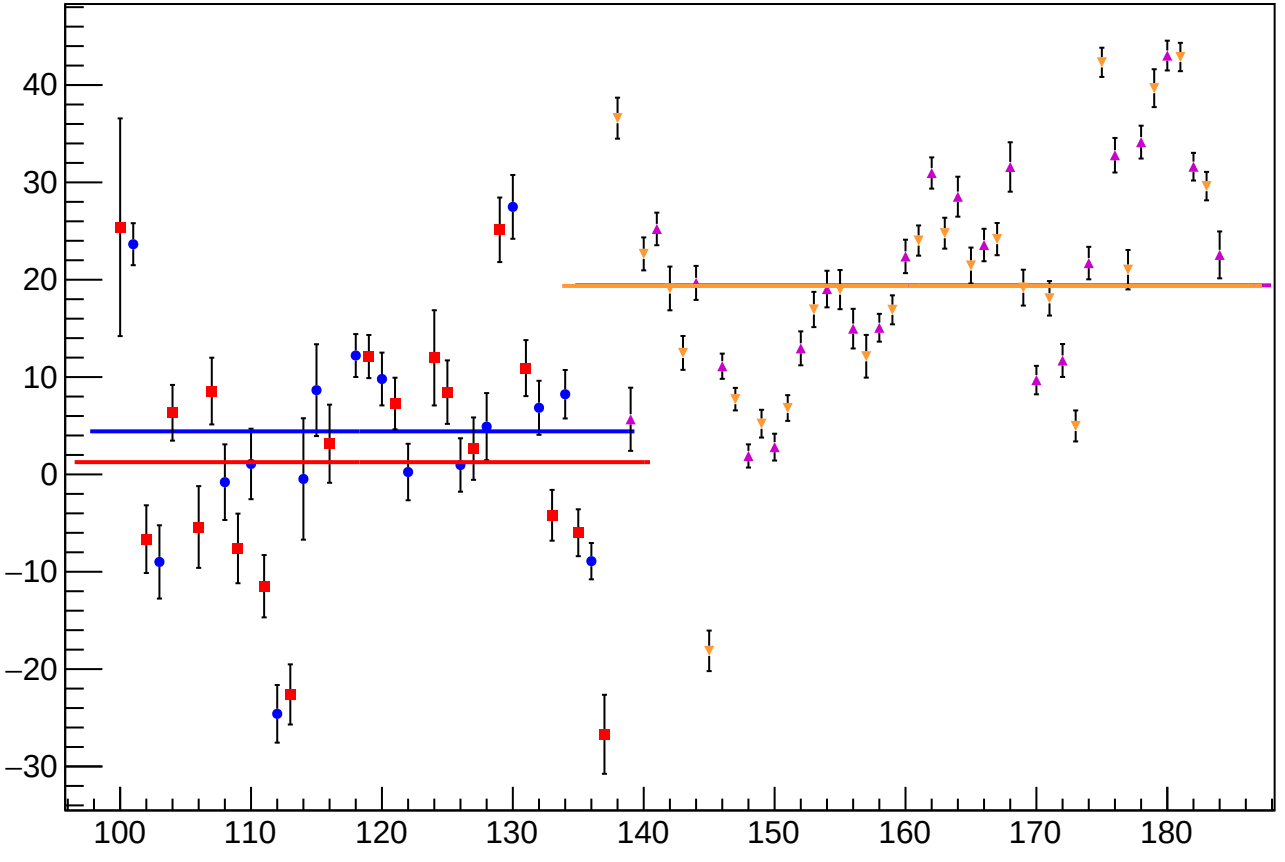
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 125.036+/-0.338 χ^2/NDF: 9565.3/39

All: 125.998+/-0.241 χ^2/NDF: 17729.9/81

- sign 126.997+/-0.345 χ^2/NDF: 8148.2/41

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

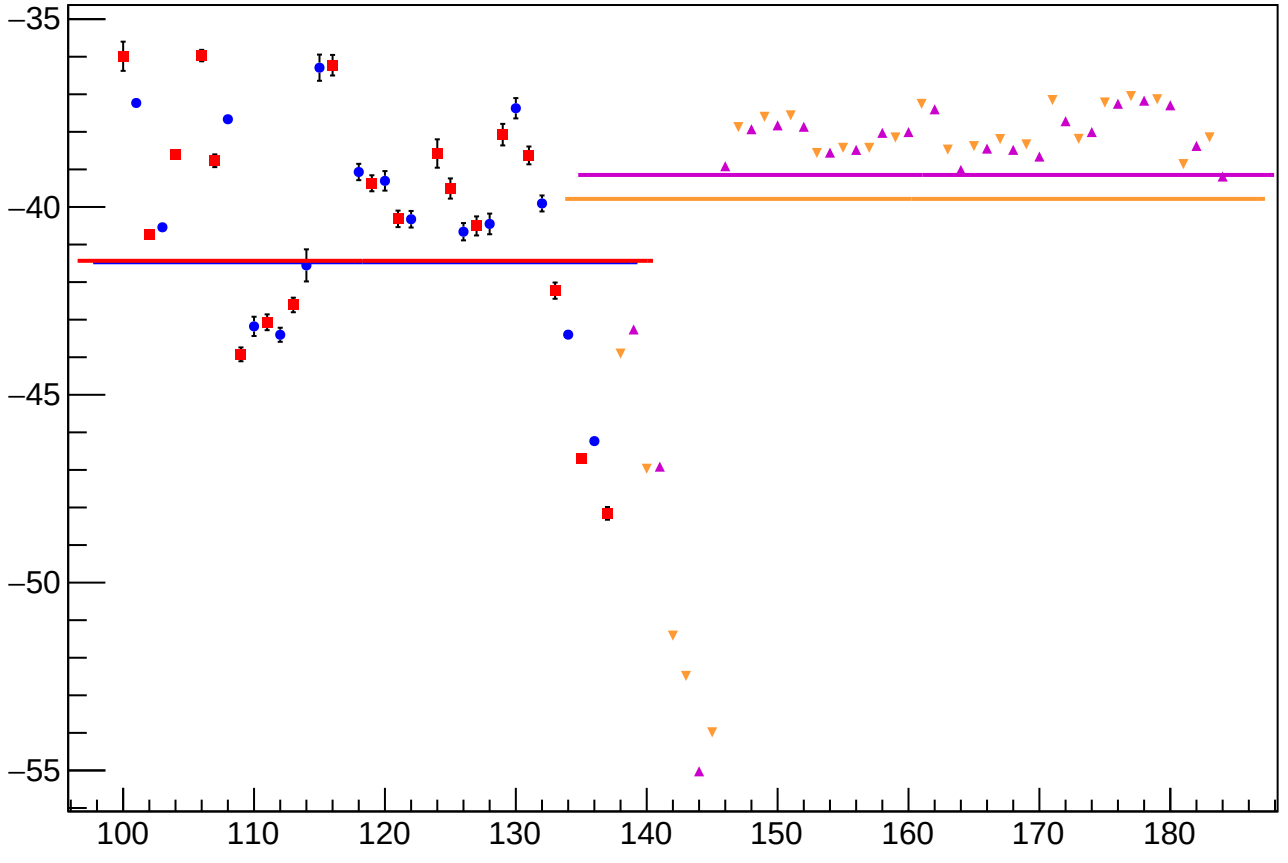
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.621+/-0.306 χ^2/NDF: 2156.1/39

All: 16.371+/-0.219 χ^2/NDF: 4003.5/81

- sign 16.109+/-0.313 χ^2/NDF: 1846.0/41

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

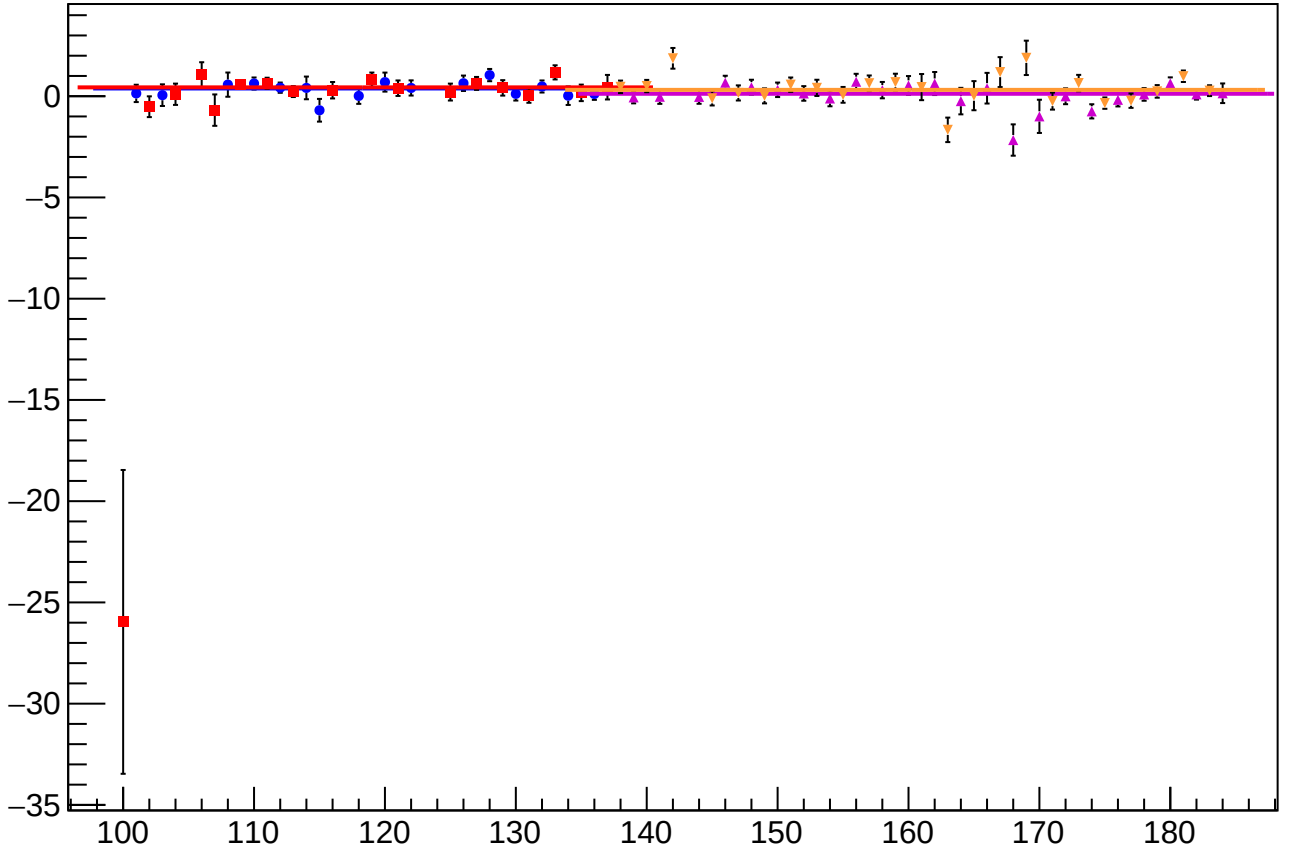
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.026+/-0.014 χ^2/NDF: 91303.7/39

All: -39.743+/-0.010 χ^2/NDF: 150108.1/81

- sign -39.456+/-0.015 χ^2/NDF: 58027.0/41

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

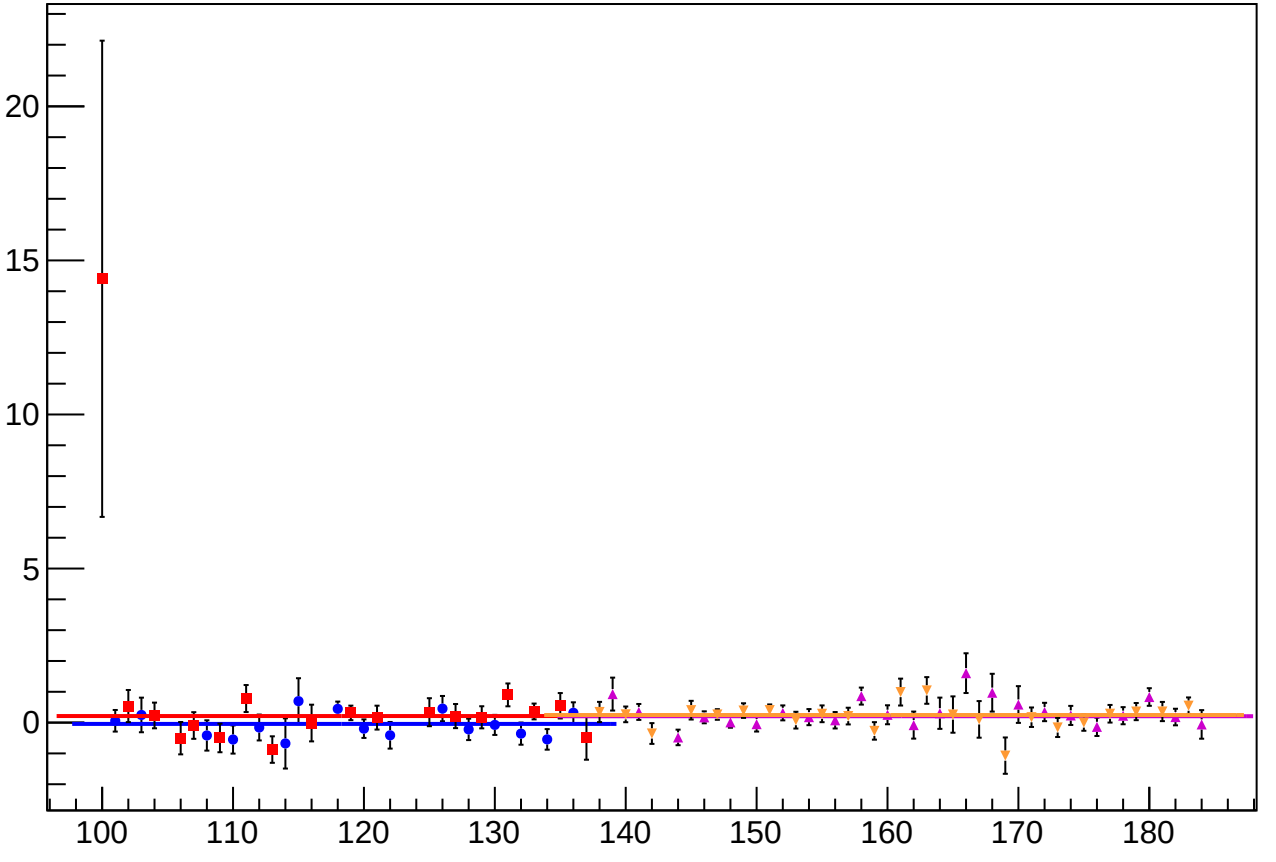
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.342+/-0.060 χ^2/NDF: 60.5/38

All: 0.300+/-0.042 χ^2/NDF: 127.4/79

- sign 0.258+/-0.060 χ^2/NDF: 65.9/40

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

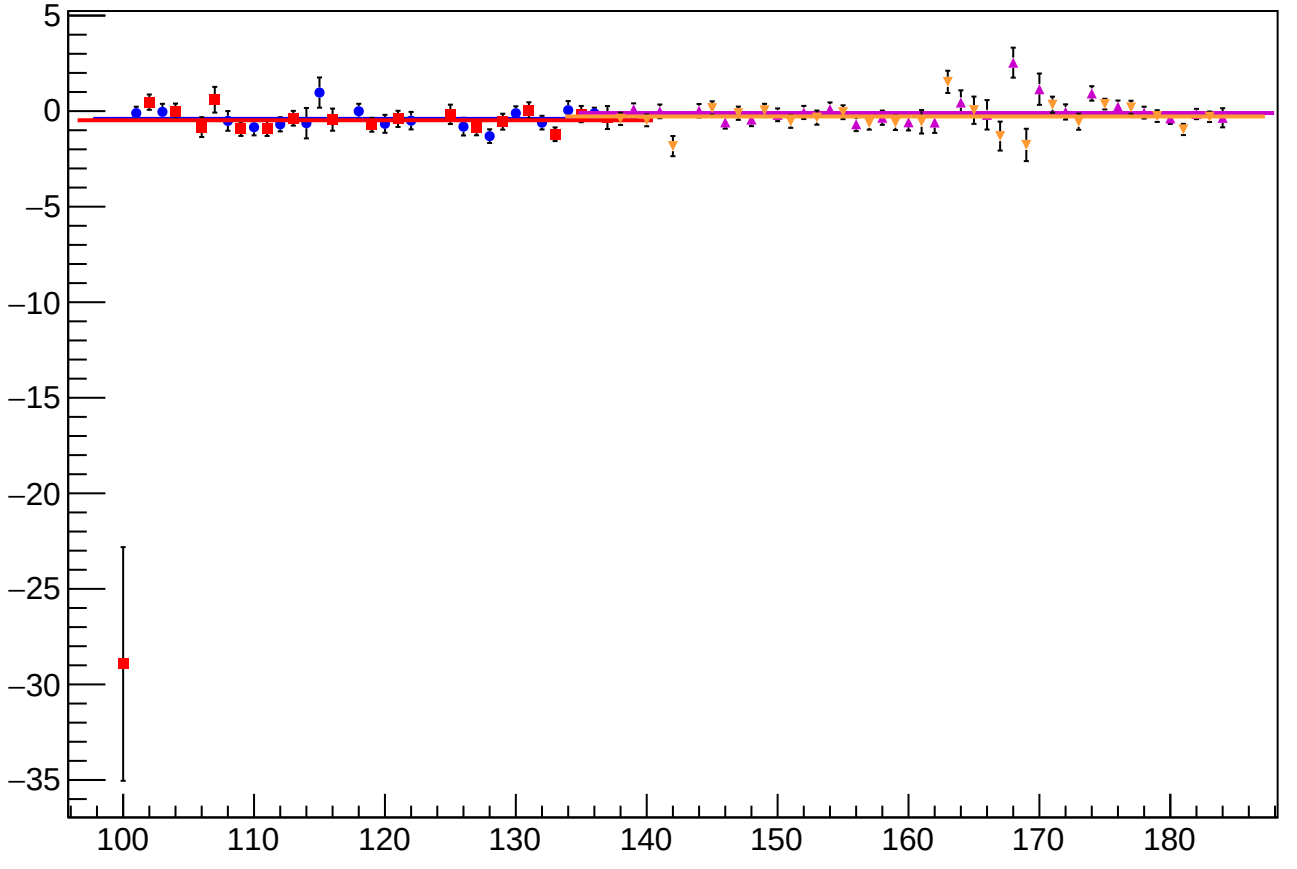
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.163+/-0.050 χ^2/NDF: 45.6/38

All: 0.186+/-0.036 χ^2/NDF: 100.3/79

- sign 0.209+/-0.051 χ^2/NDF: 54.3/40

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

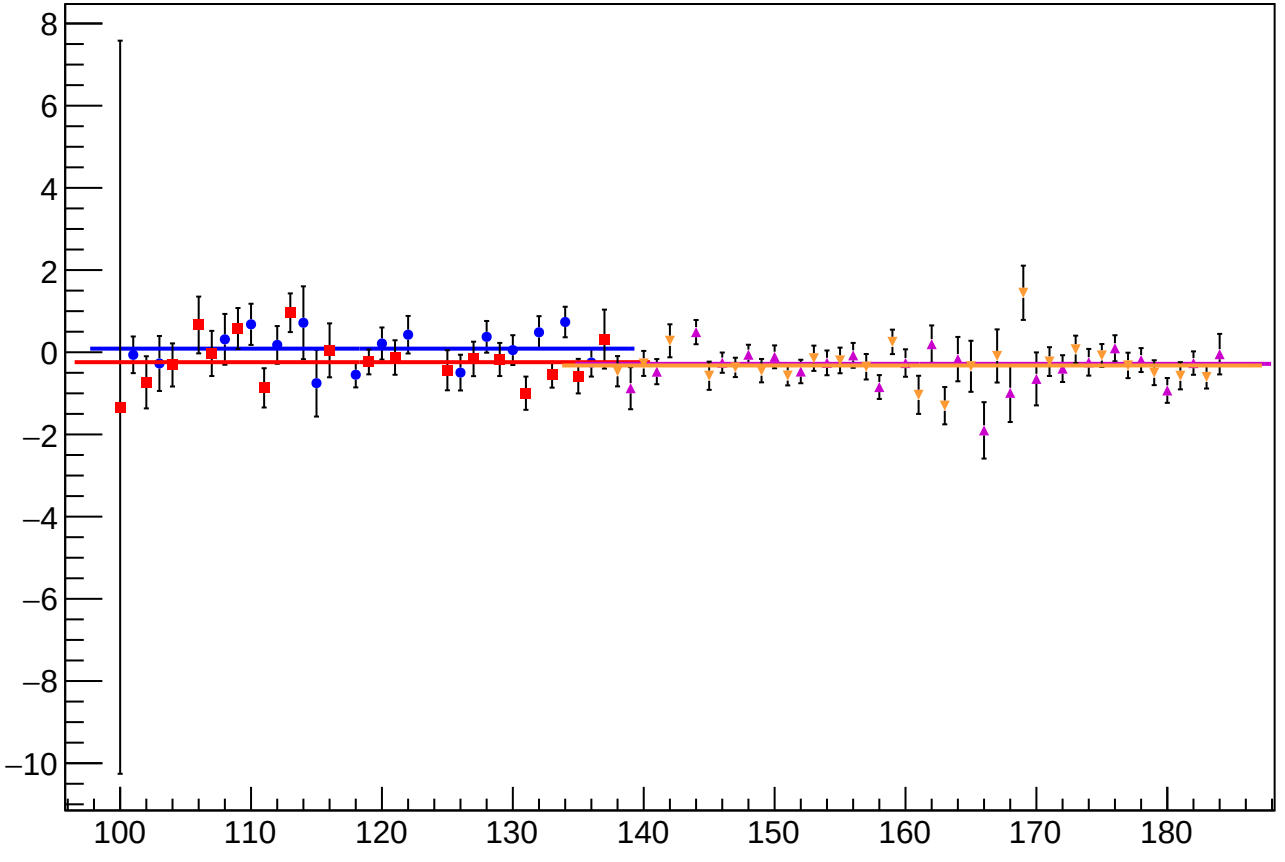
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.325+/-0.062 χ^2/NDF: 63.1/38

All: -0.281+/-0.044 χ^2/NDF: 148.0/79

- sign -0.236+/-0.063 χ^2/NDF: 83.9/40

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

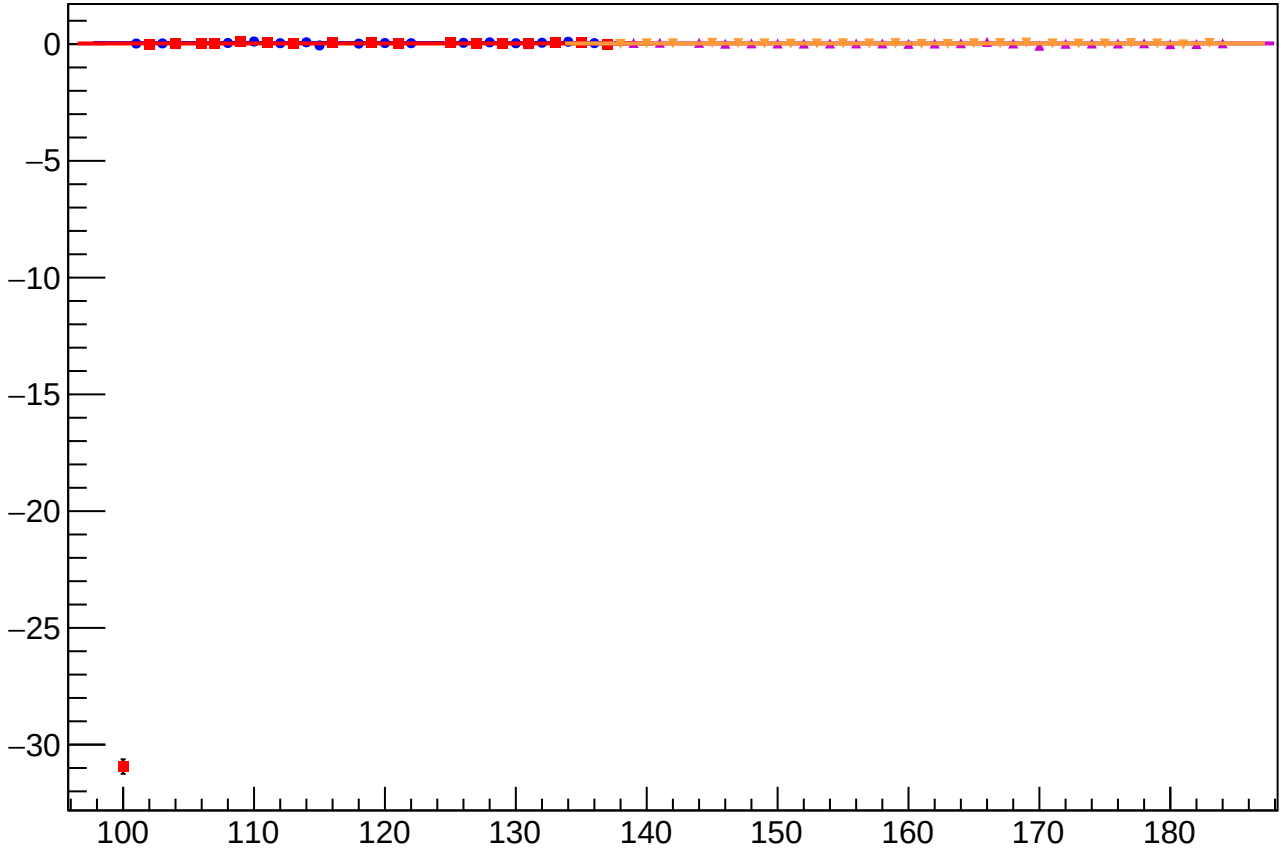
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.205+/-0.058 χ^2/NDF: 52.9/38

All: -0.237+/-0.041 χ^2/NDF: 102.3/79

- sign -0.270+/-0.058 χ^2/NDF: 48.7/40

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

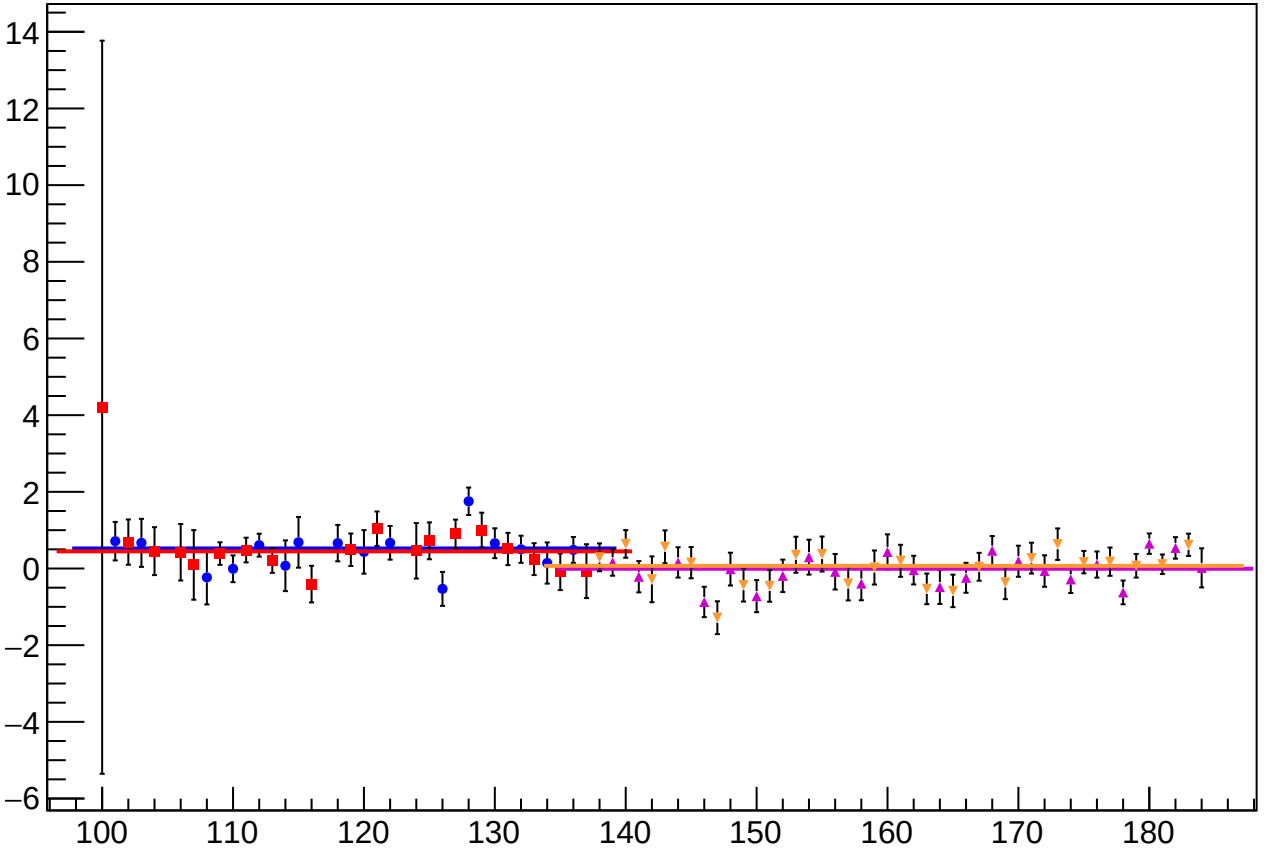
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 53.3/38

All: 0.030+/-0.002 χ^2/NDF: 10113.5/79

- sign 0.029+/-0.003 χ^2/NDF: 10059.9/40

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

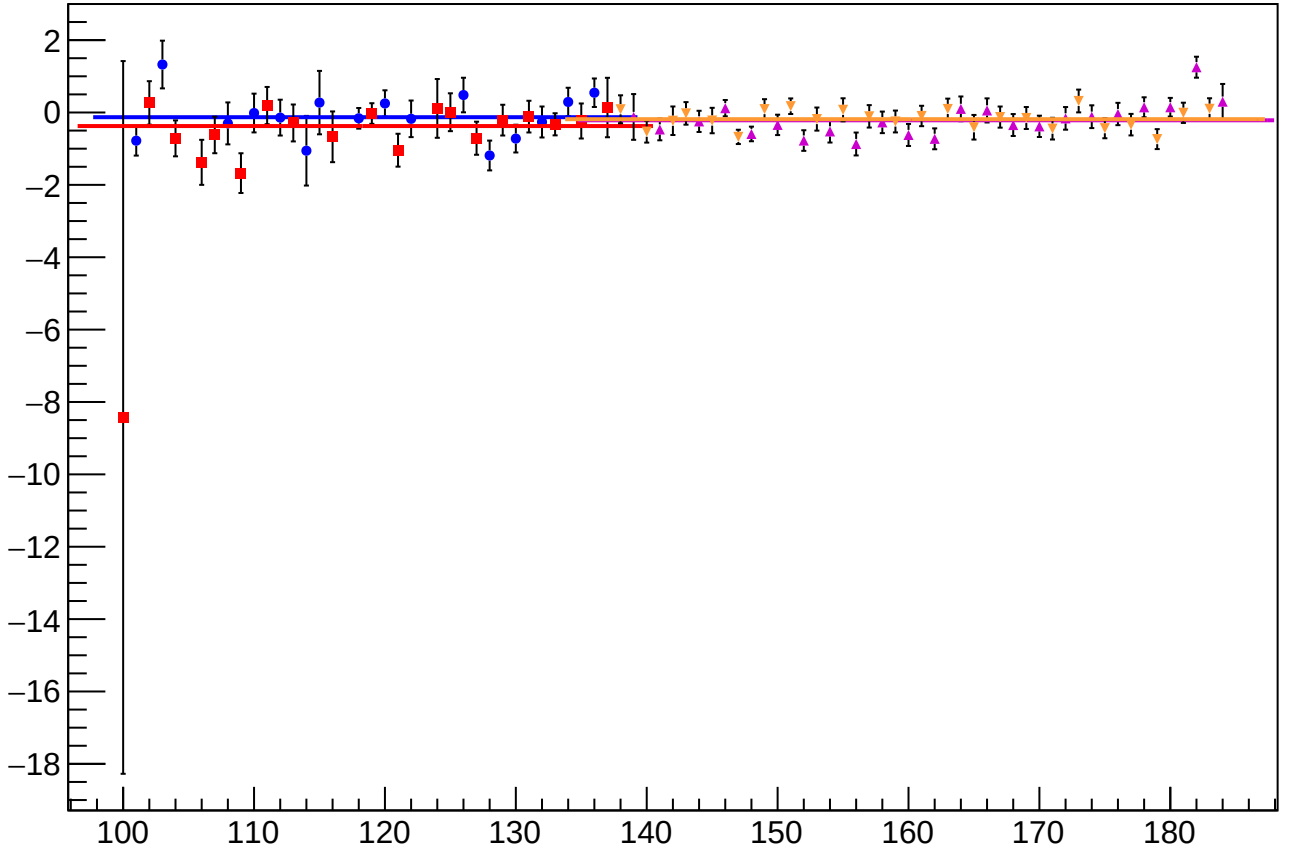
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.223+/-0.063 χ^2/NDF: 65.3/39

All: 0.191+/-0.045 χ^2/NDF: 117.6/81

- sign 0.159+/-0.063 χ^2/NDF: 51.8/41

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

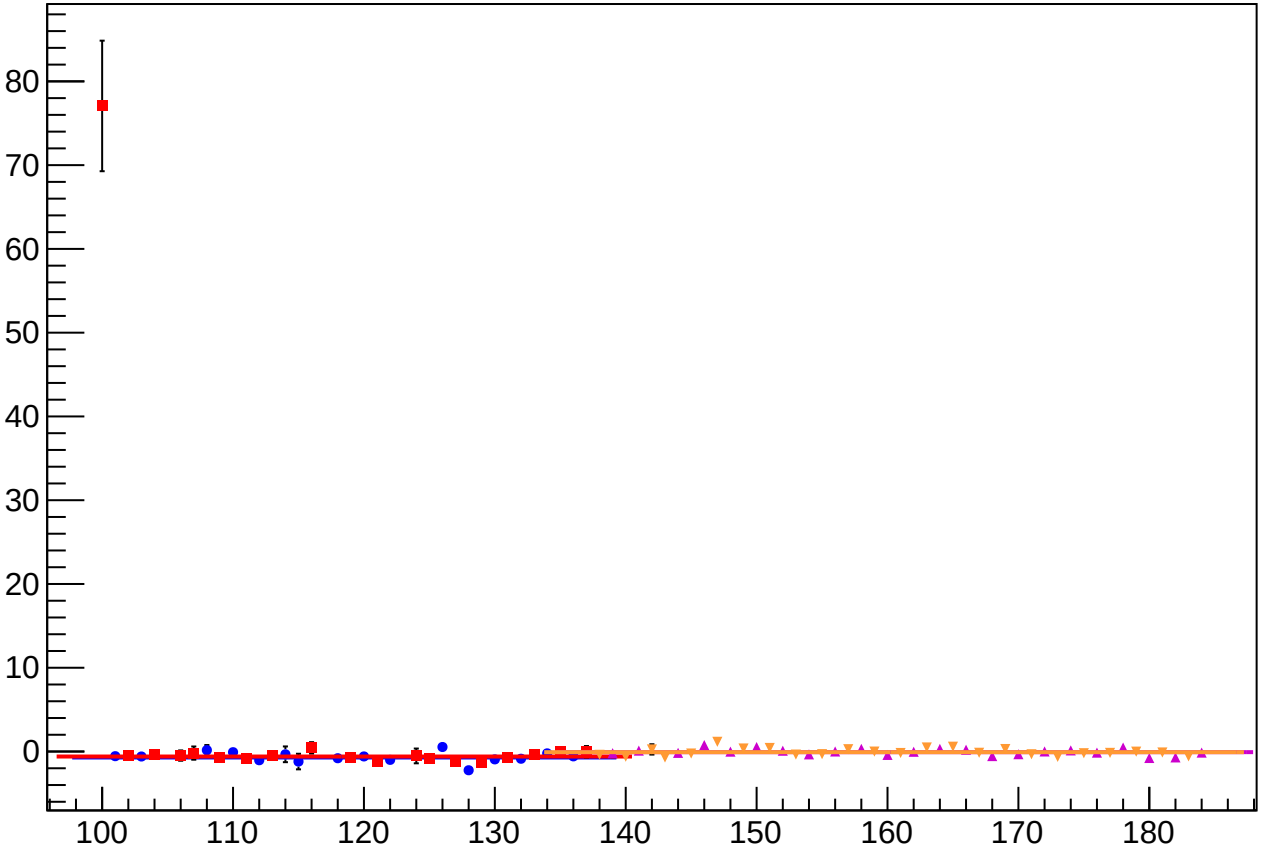
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.173+/-0.052 χ^2/NDF: 48.8/39

All: -0.212+/-0.038 χ^2/NDF: 123.3/81

- sign -0.253+/-0.054 χ^2/NDF: 73.4/41

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

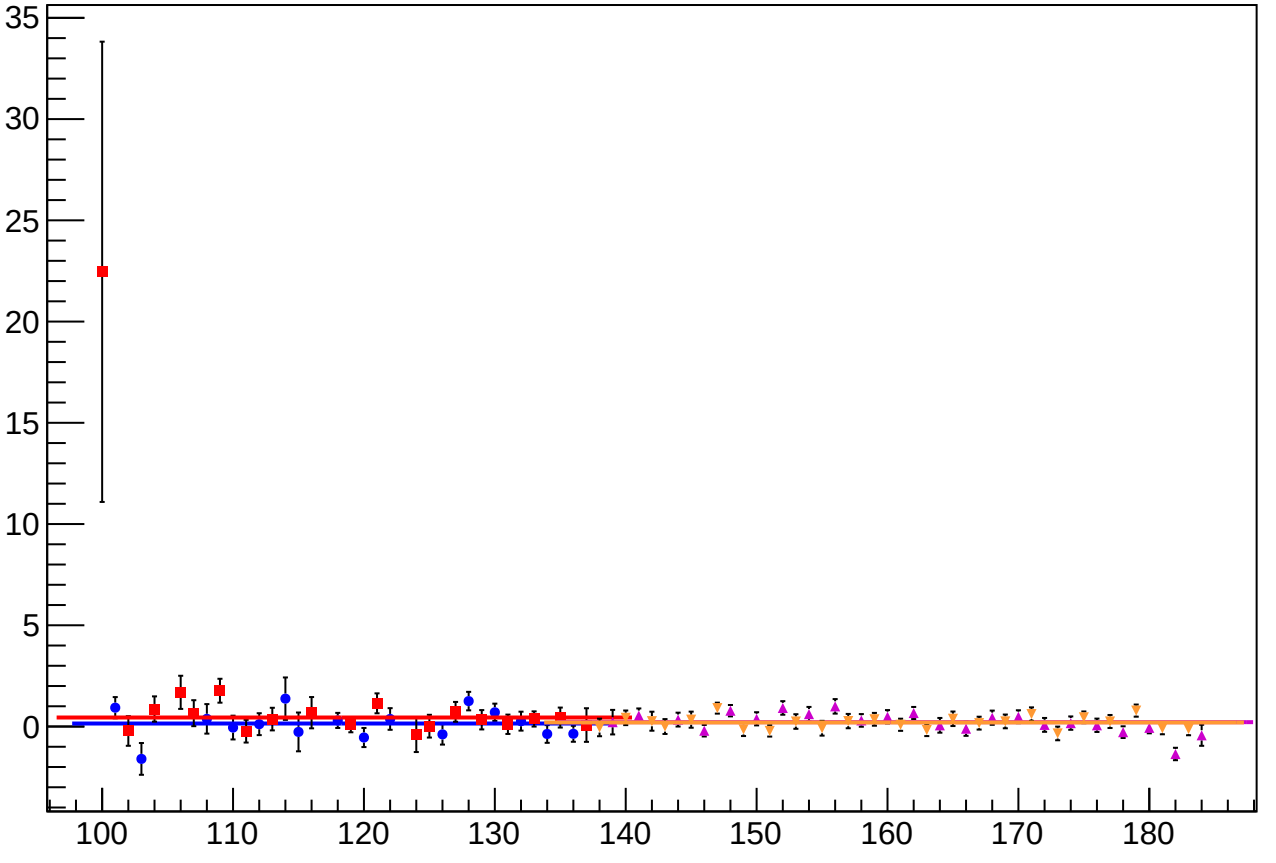
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.261+/-0.065 χ^2/NDF: 74.3/39

All: -0.245+/-0.046 χ^2/NDF: 226.6/81

- sign -0.229+/-0.066 χ^2/NDF: 152.2/41

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

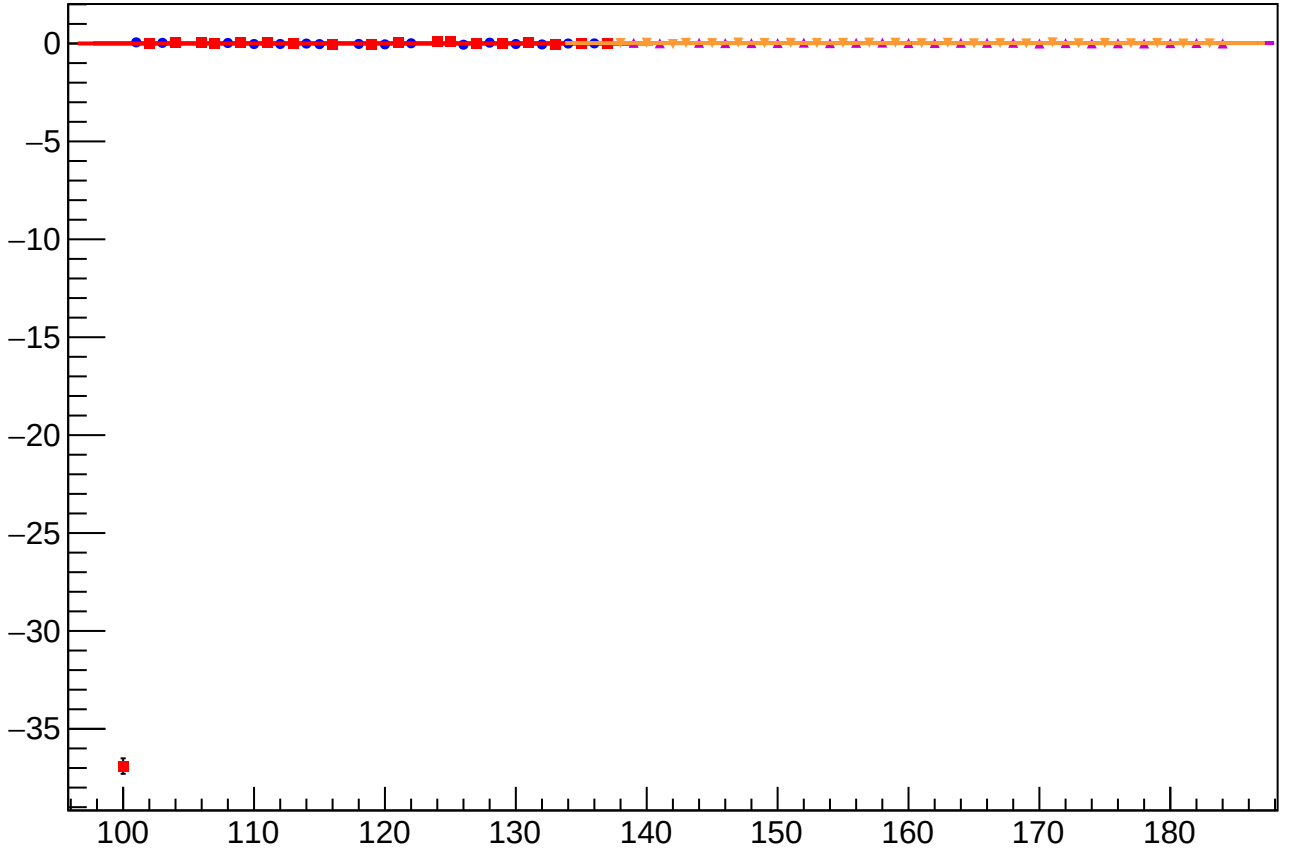
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.189+/-0.060 χ^2/NDF: 48.3/39

All: 0.227+/-0.043 χ^2/NDF: 126.4/81

- sign 0.267+/-0.061 χ^2/NDF: 77.3/41

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

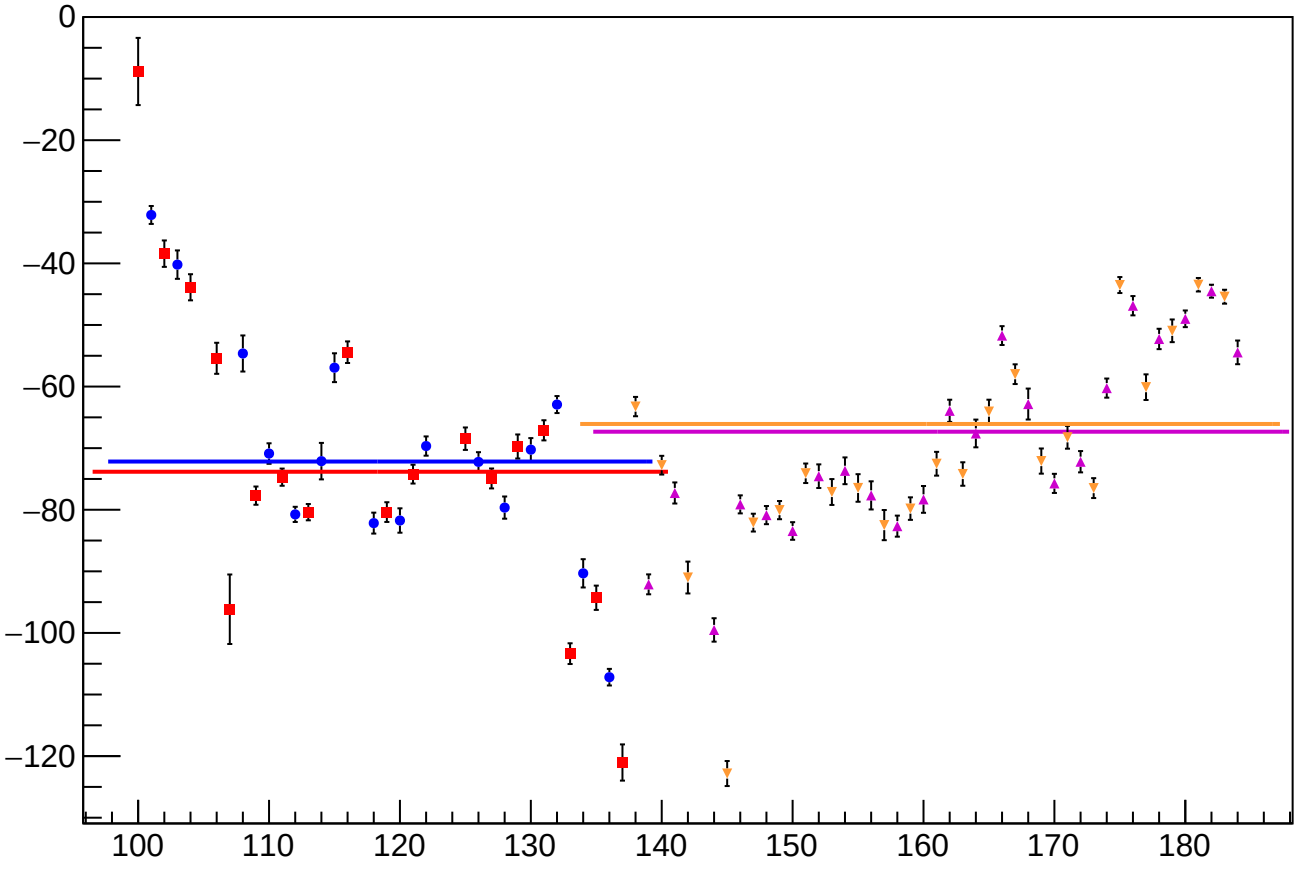
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.021+/-0.003 χ^2/NDF: 52.0/39

All: 0.021+/-0.002 χ^2/NDF: 8830.8/81

- sign 0.021+/-0.003 χ^2/NDF: 8778.8/41

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

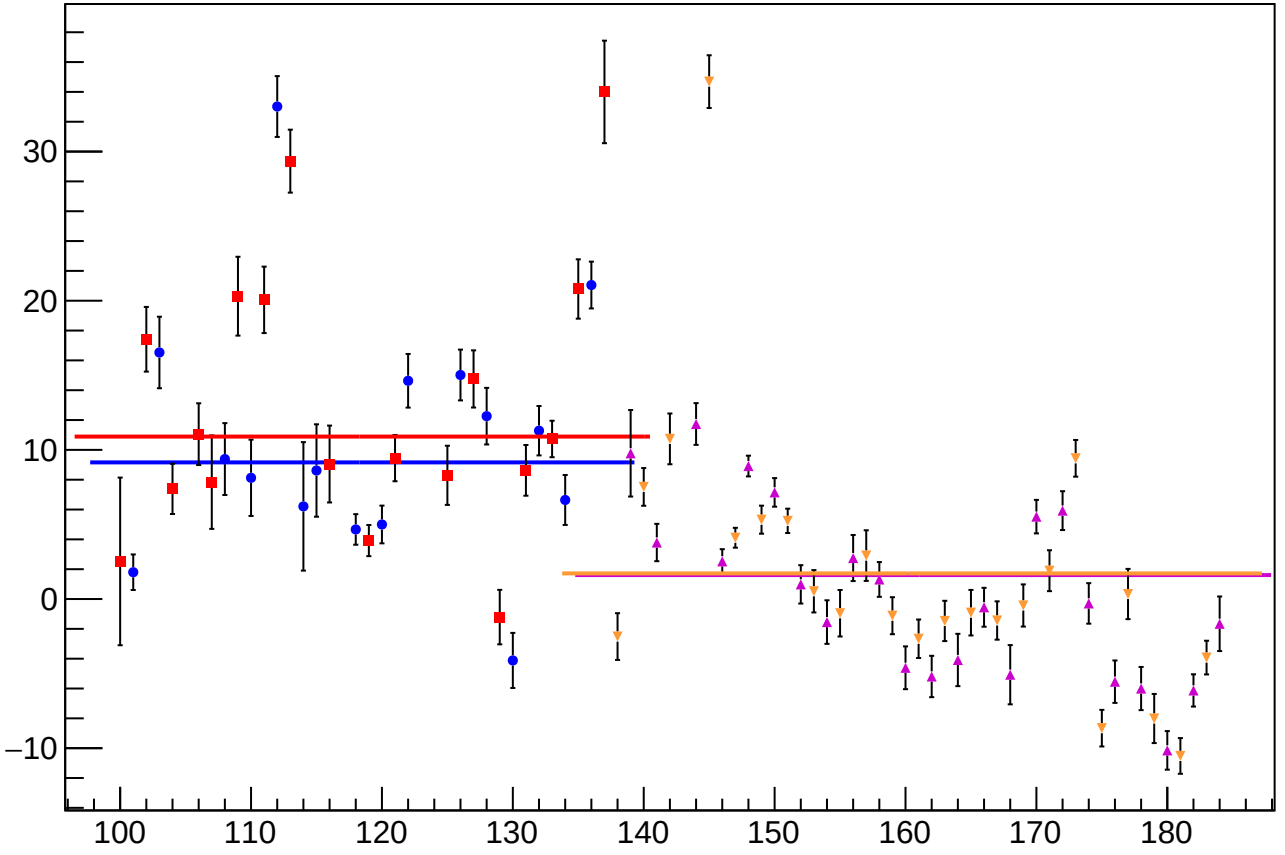
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -68.465+/-0.270 χ^2/NDF: 4586.1/38

All: -69.172+/-0.191 χ^2/NDF: 8398.8/79

- sign -69.873+/-0.269 χ^2/NDF: 3799.1/40

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

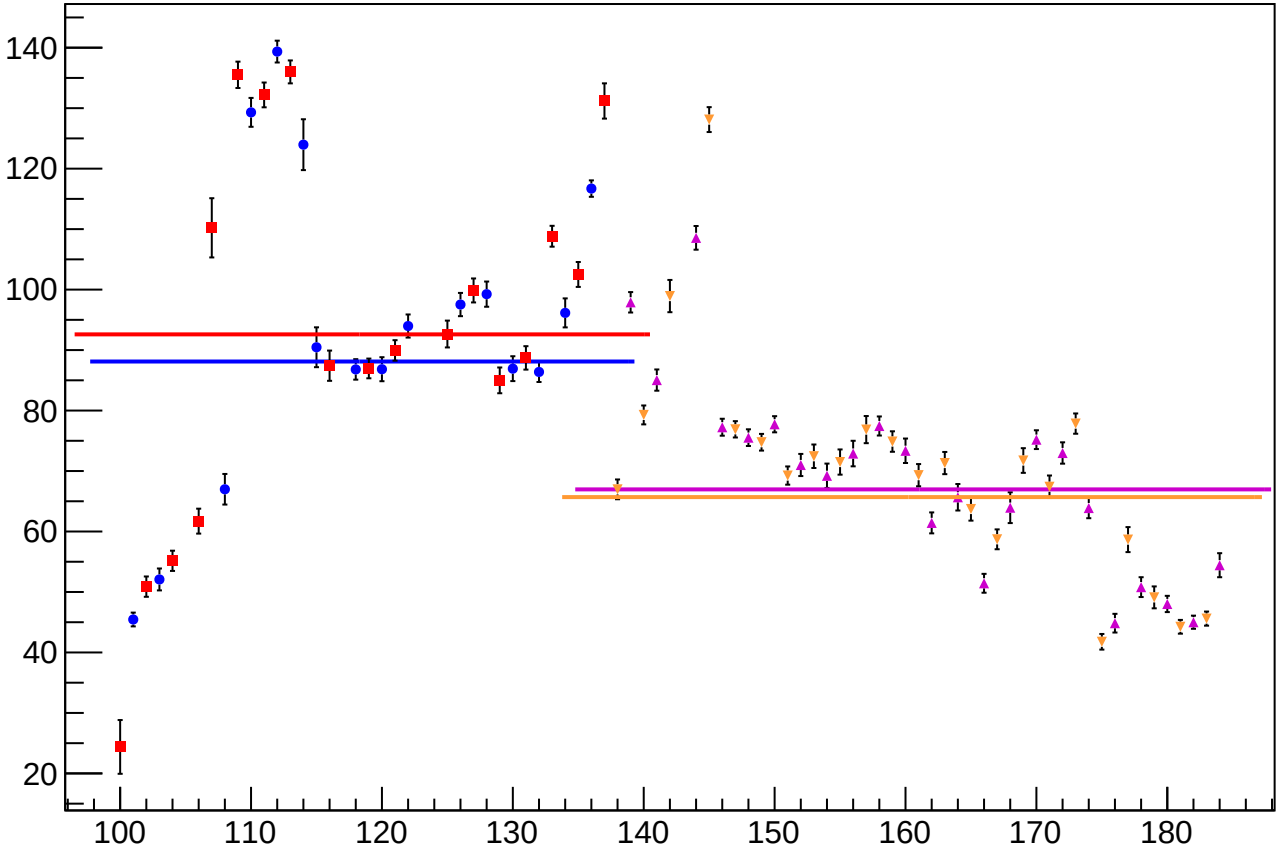
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 3.701+/-0.219 χ^2/NDF: 1341.2/38

All: 3.841+/-0.156 χ^2/NDF: 2459.9/79

\- sign 3.986+/-0.223 χ^2/NDF: 1117.9/40

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

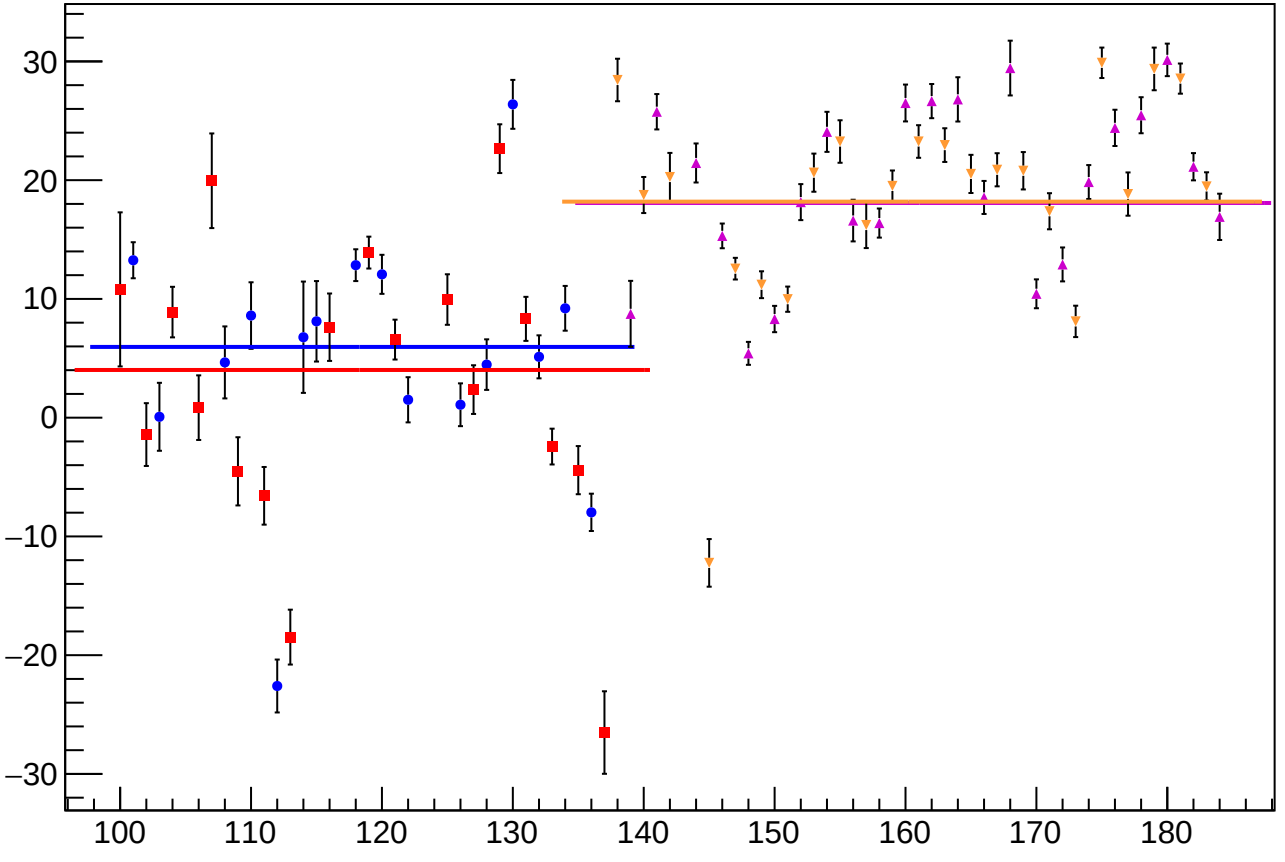
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 73.522+/-0.277 χ^2/NDF: 7578.8/38

All: 74.502+/-0.196 χ^2/NDF: 14914.3/79

- sign 75.494+/-0.279 χ^2/NDF: 7310.3/40

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

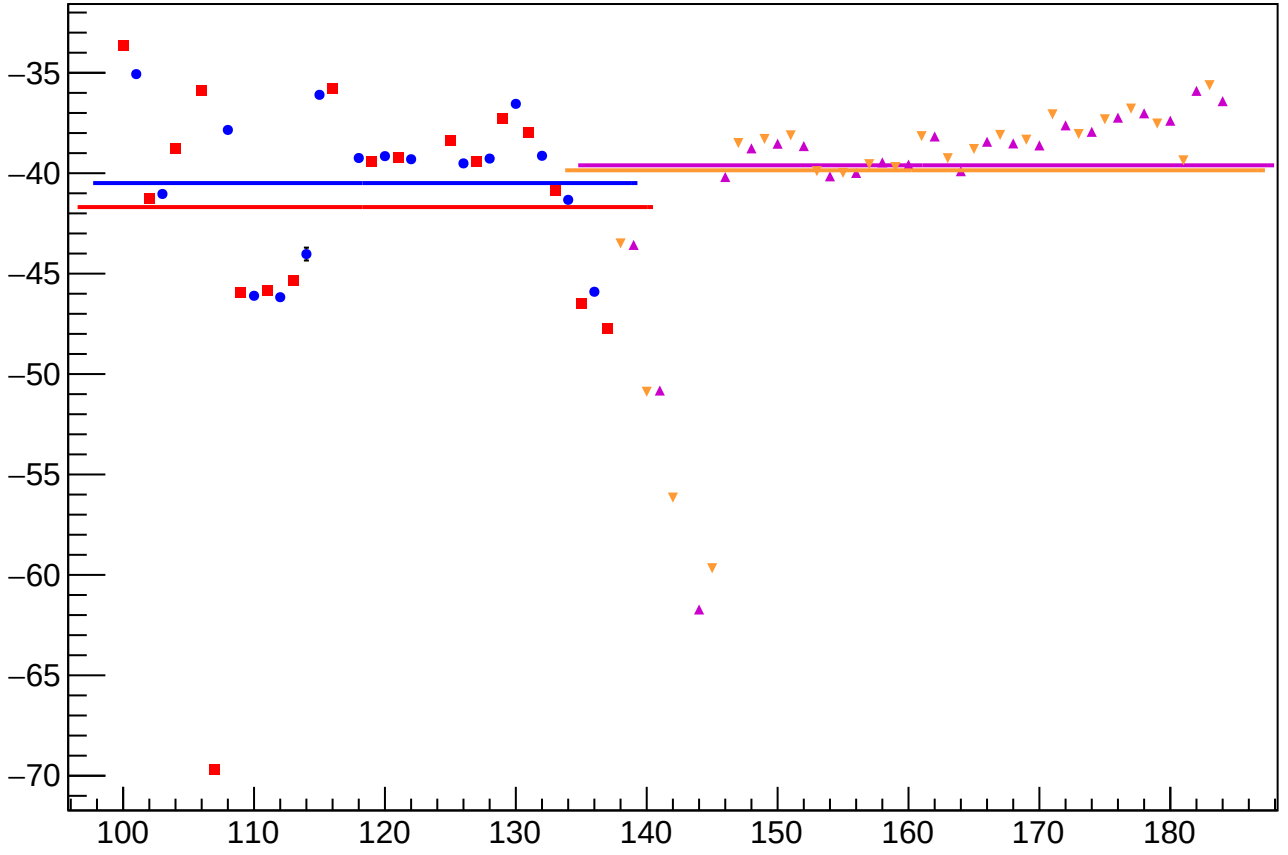
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

\+ sign 14.994+/-0.253 χ^2/NDF: 1572.7/38

All: 14.775+/-0.180 χ^2/NDF: 3167.4/79

\- sign 14.552+/-0.255 χ^2/NDF: 1593.2/40

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

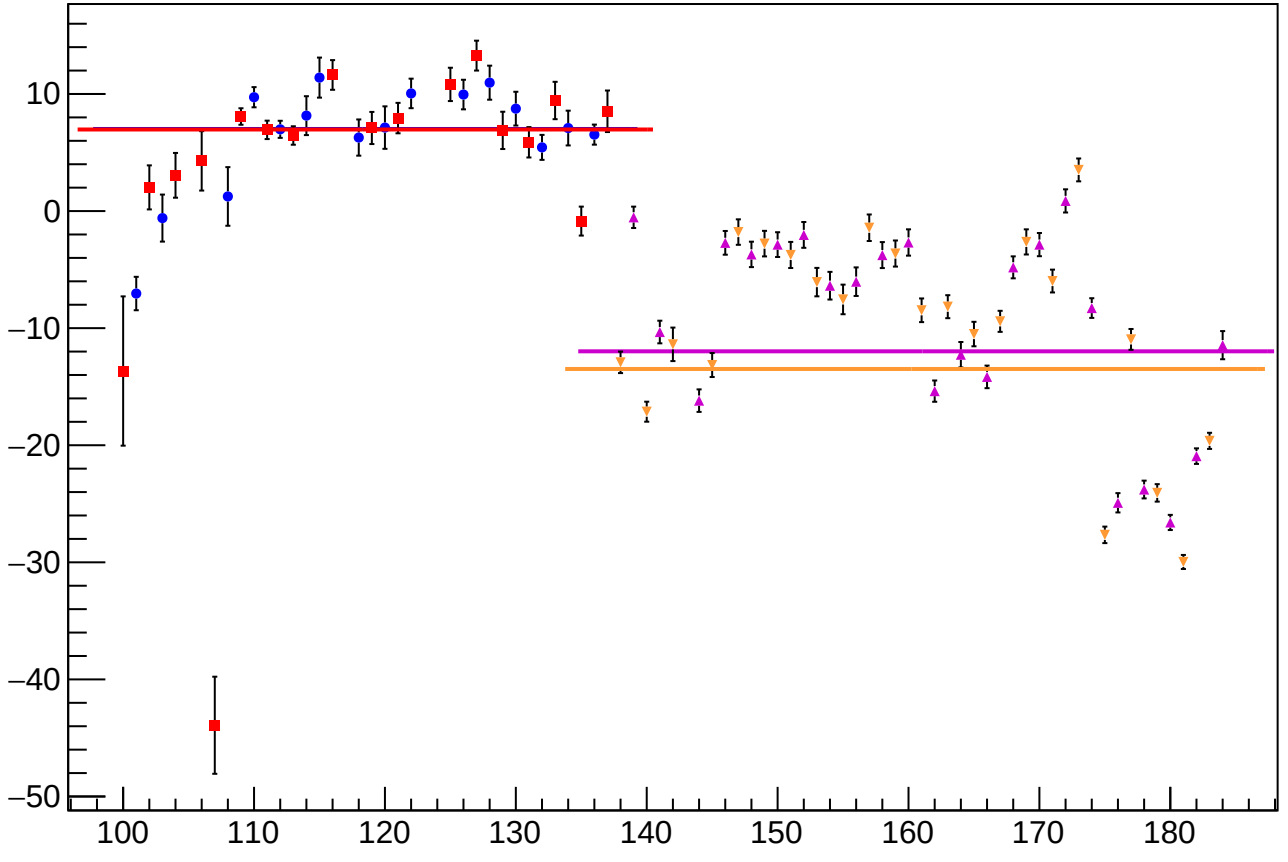
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.974+/-0.012 χ^2/NDF: 146489.6/38

All: -39.970+/-0.009 χ^2/NDF: 294146.5/79

- sign -39.966+/-0.012 χ^2/NDF: 147656.7/40

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

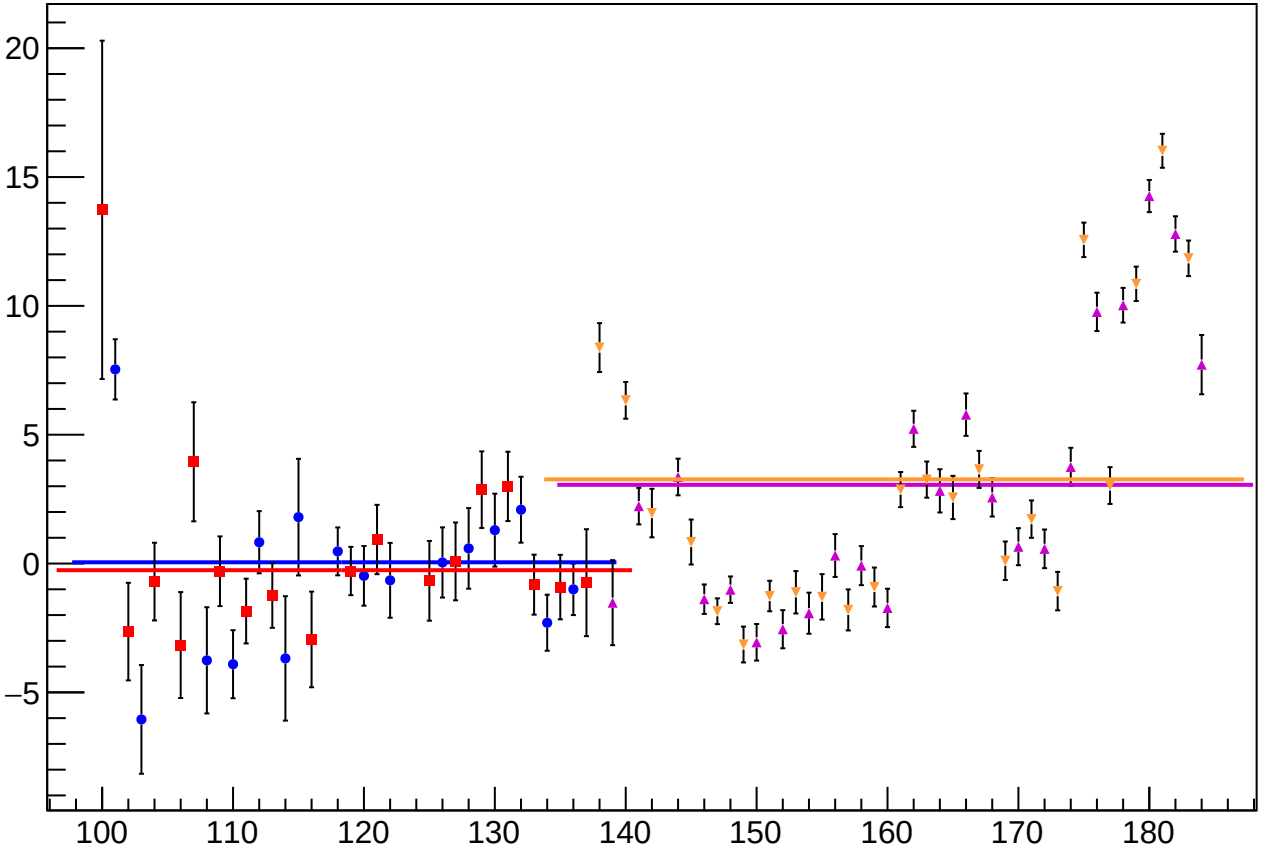
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -7.684+/-0.165 χ^2/NDF: 5861.9/38

All: -6.979+/-0.116 χ^2/NDF: 11164.4/79

- sign -6.283+/-0.163 χ^2/NDF: 5266.0/40

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

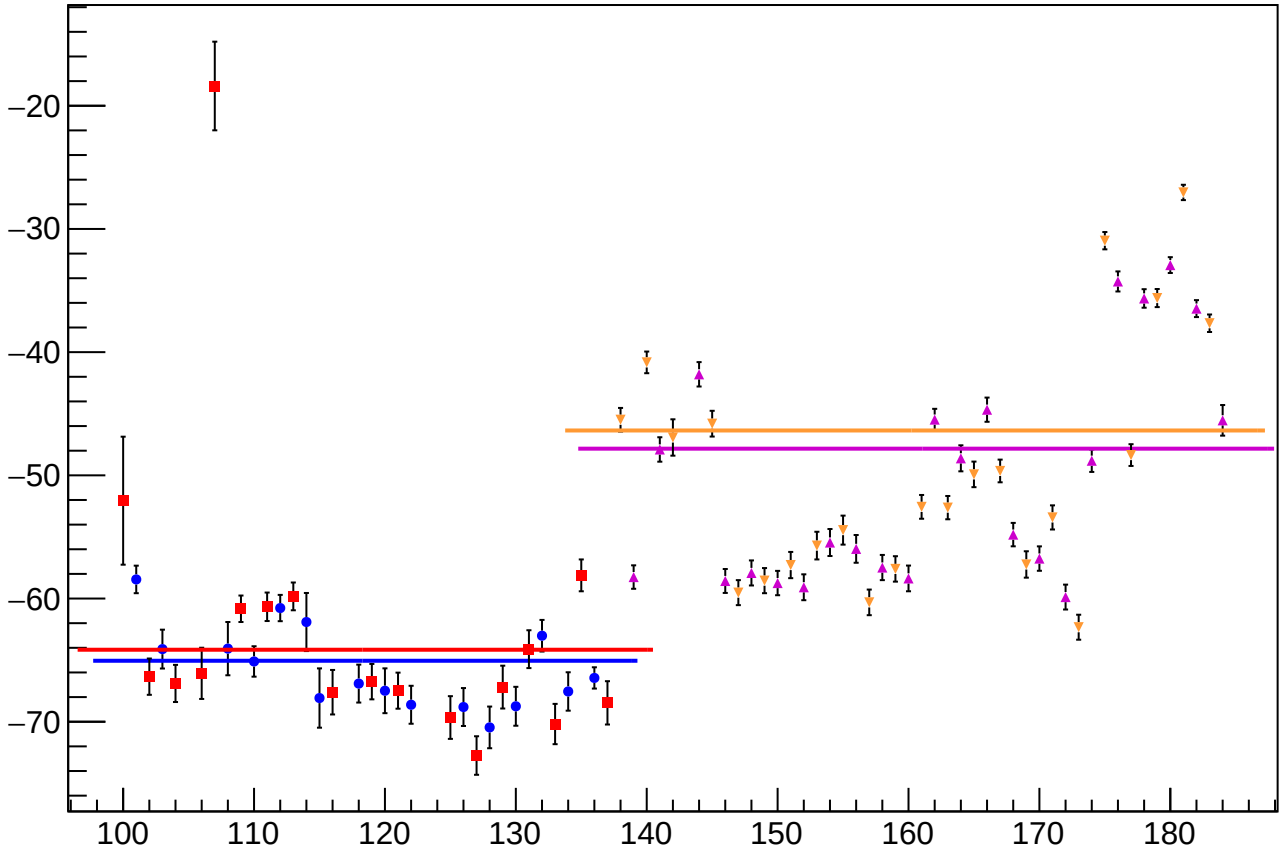
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

\+ sign 2.719+/-0.137 χ^2/NDF: 1493.8/38

All: 2.619+/-0.097 χ^2/NDF: 2745.0/79

\- sign 2.515+/-0.139 χ^2/NDF: 1250.1/40

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

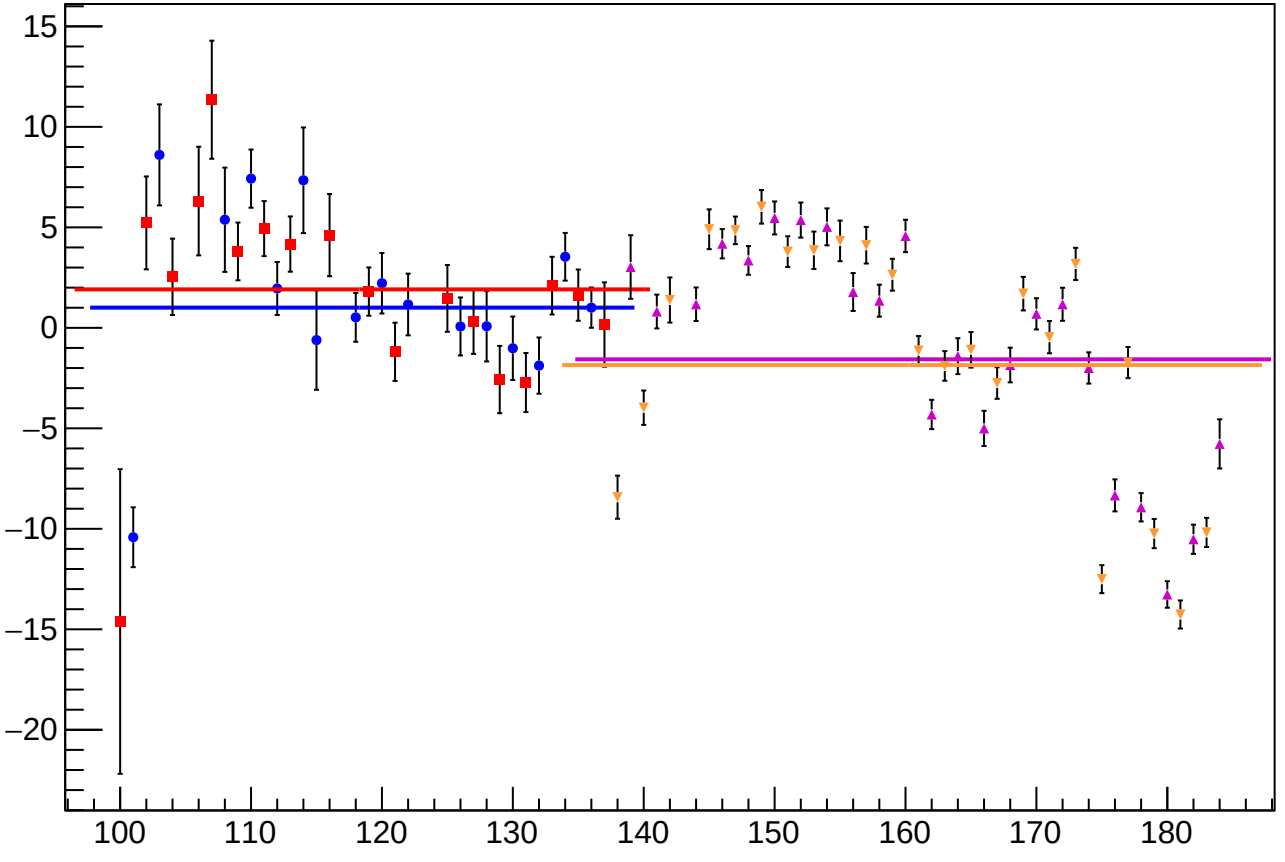
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -50.640+/-0.169 χ^2/NDF: 5441.3/38

All: -51.065+/-0.120 χ^2/NDF: 9905.5/79

- sign -51.497+/-0.171 χ^2/NDF: 4451.5/40

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

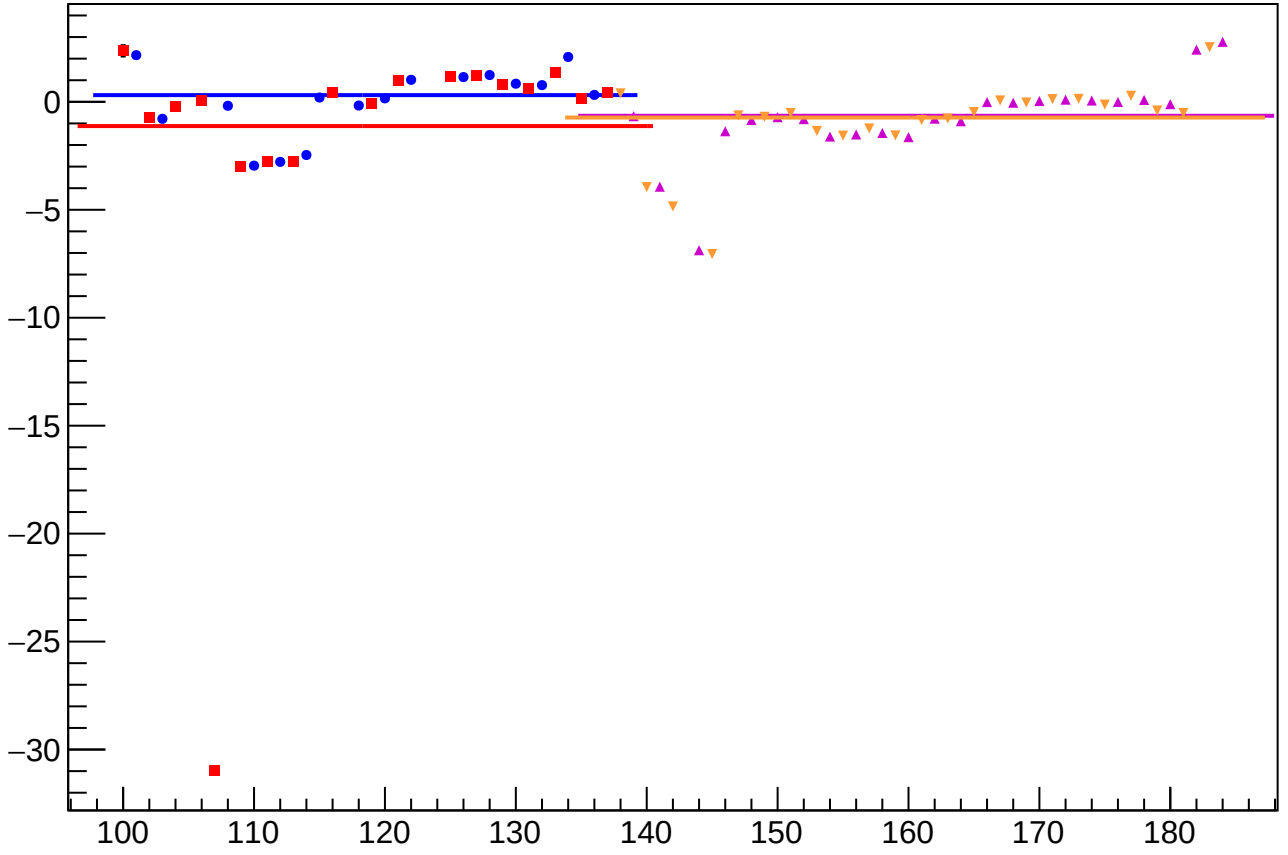
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.370+/-0.154 χ^2/NDF: 1520.8/38

All: -1.191+/-0.110 χ^2/NDF: 2762.7/79

- sign -1.007+/-0.156 χ^2/NDF: 1239.1/40

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

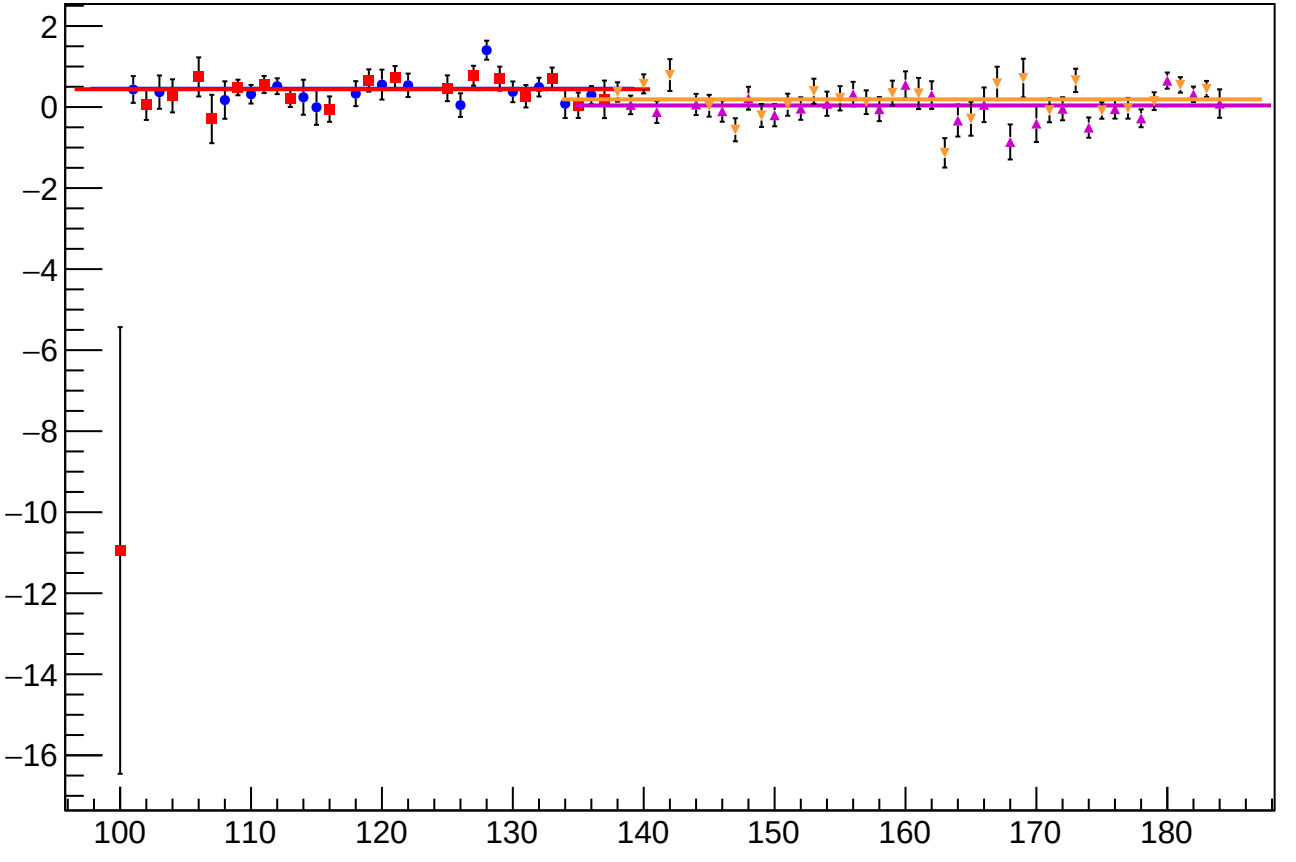
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.610+/-0.007 χ^2/NDF: 58646.6/38

All: -0.653+/-0.005 χ^2/NDF: 151051.1/79

- sign -0.696+/-0.007 χ^2/NDF: 92331.9/40

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

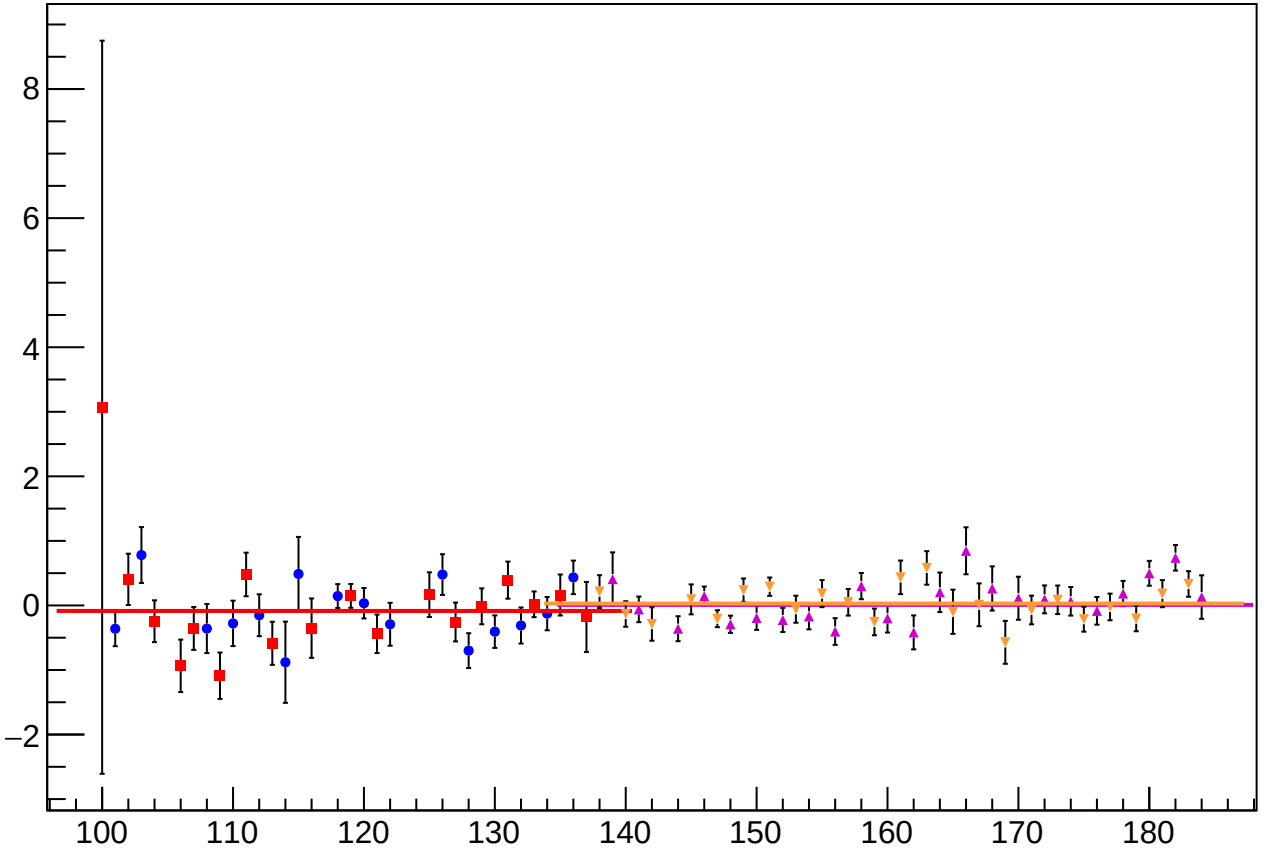
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.293+/-0.045 χ^2/NDF: 74.8/38

All: 0.247+/-0.031 χ^2/NDF: 145.5/79

- sign 0.202+/-0.044 χ^2/NDF: 68.7/40

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

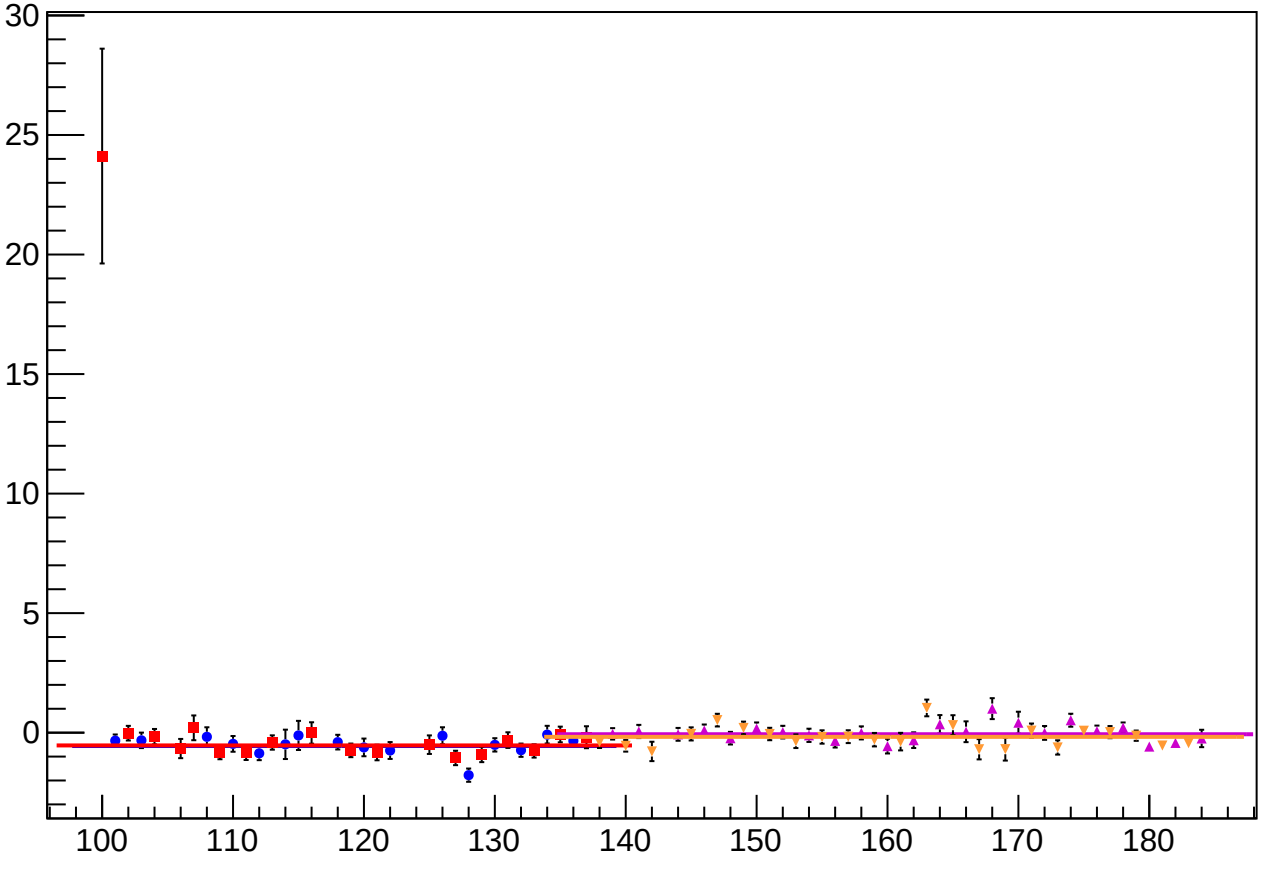
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign -0.001+/-0.037 χ^2/NDF: 57.1/38

All: -0.009+/-0.027 χ^2/NDF: 137.6/79

- sign -0.016+/-0.038 χ^2/NDF: 80.5/40

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

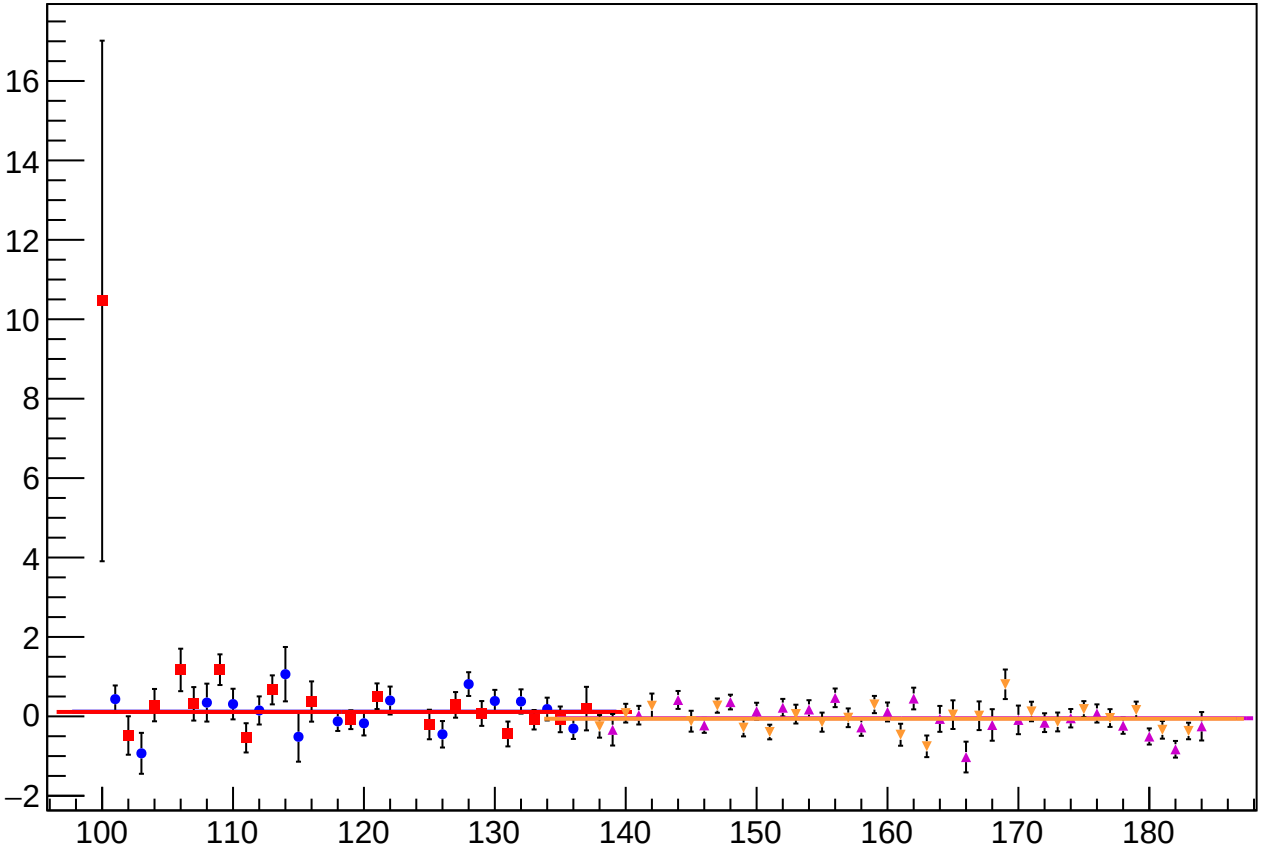
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.303+/-0.046 χ^2/NDF: 85.6/38

All: -0.263+/-0.033 χ^2/NDF: 190.3/79

- sign -0.222+/-0.047 χ^2/NDF: 103.1/40

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

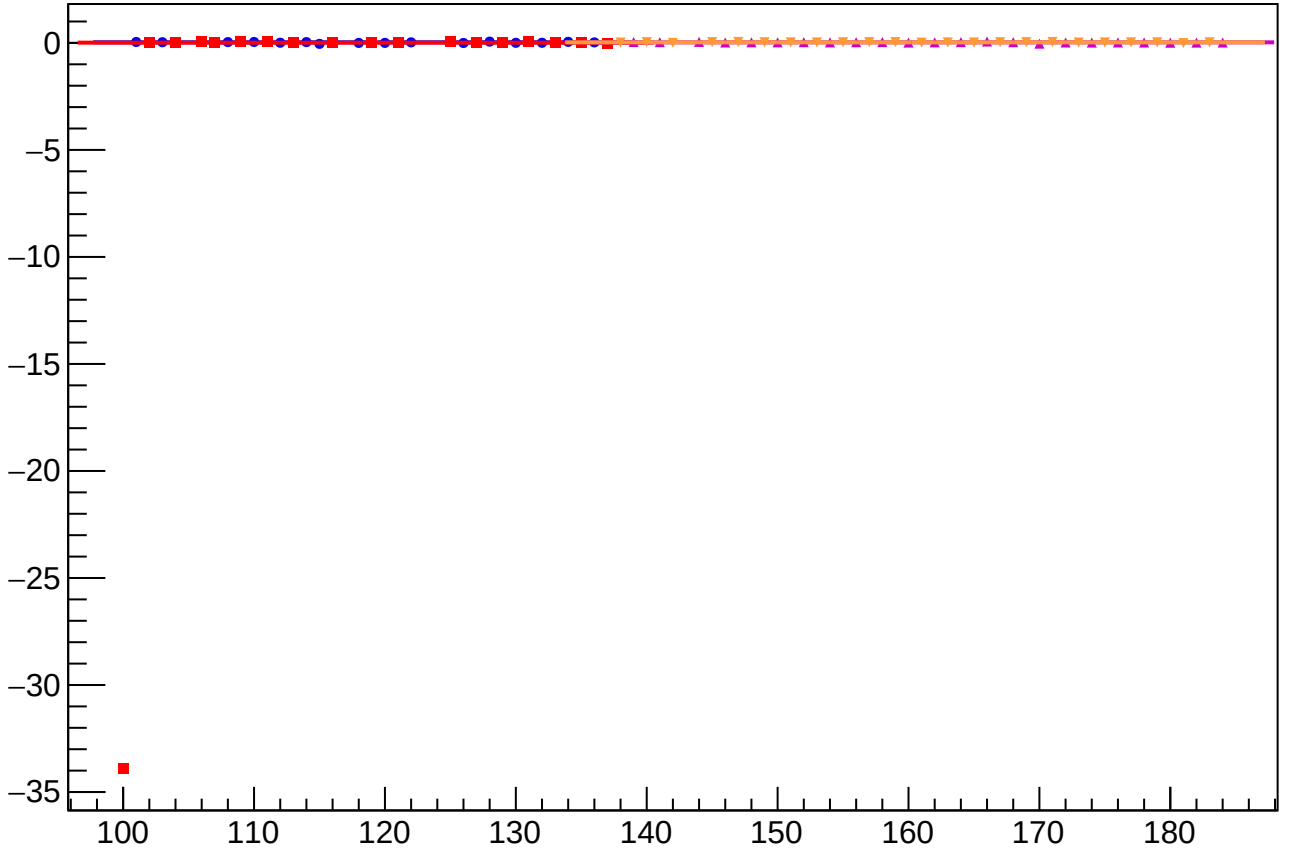
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.014+/-0.043 χ^2/NDF: 60.9/38

All: -0.010+/-0.030 χ^2/NDF: 142.9/79

- sign -0.006+/-0.043 χ^2/NDF: 82.0/40

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

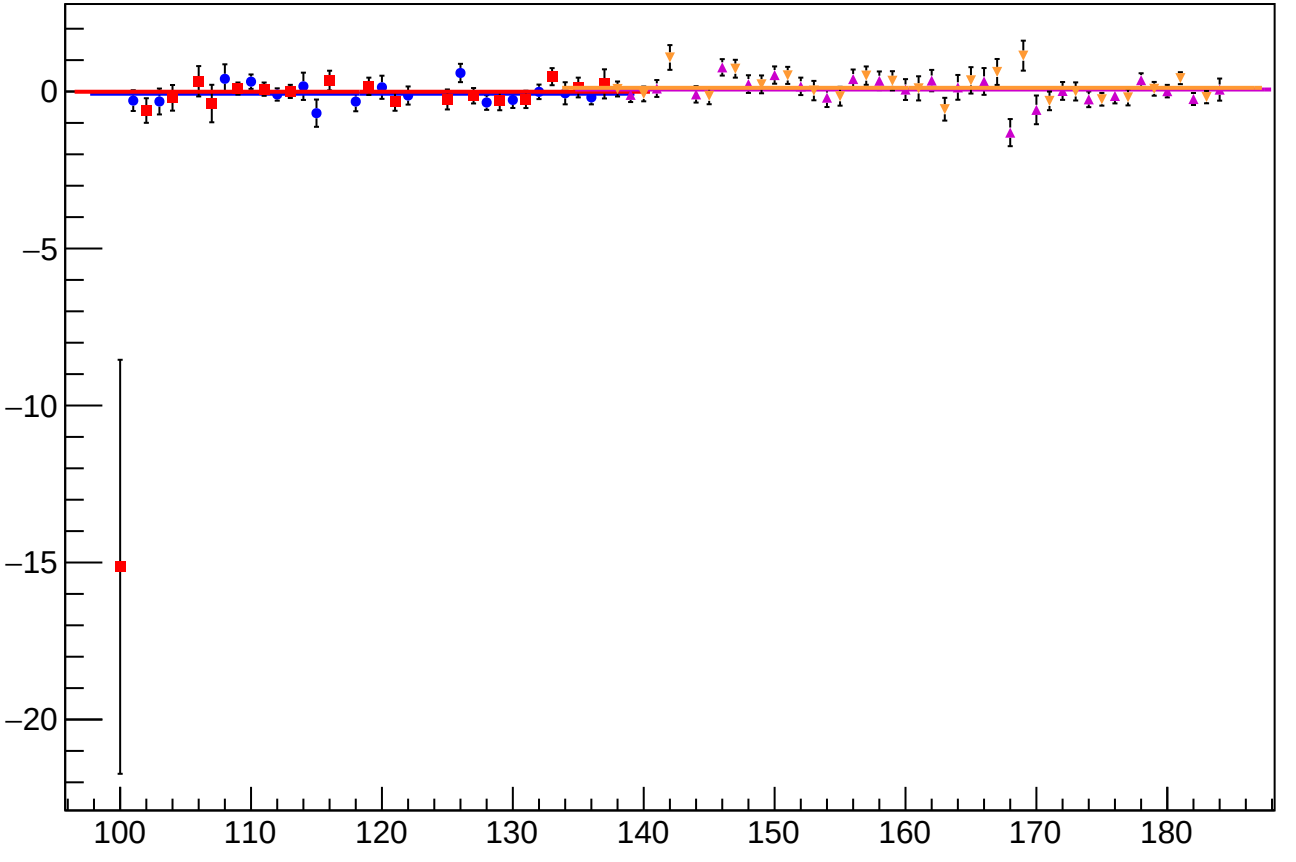
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 43.4/38

All: 0.025+/-0.001 χ^2/NDF: 22352.8/79

- sign 0.024+/-0.002 χ^2/NDF: 22308.9/40

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

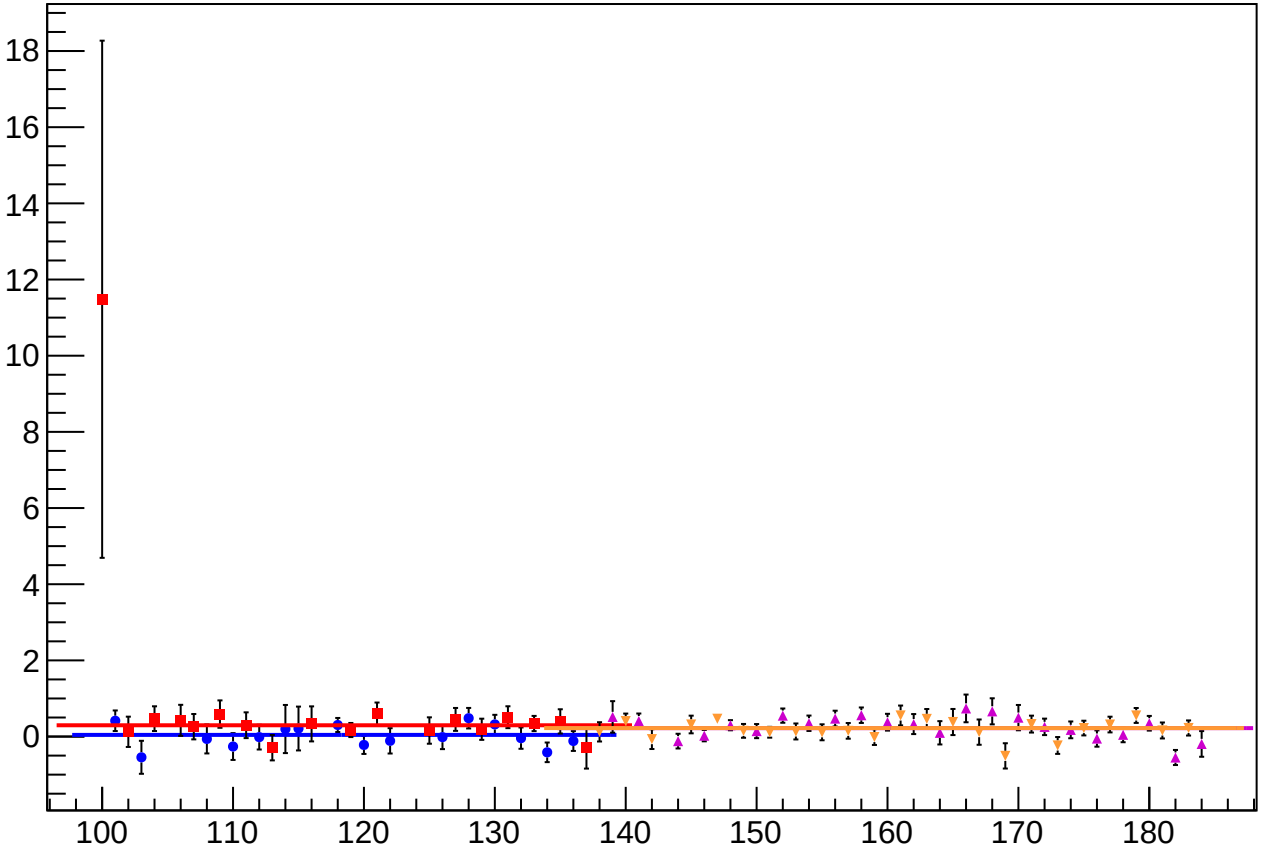
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.044+/-0.045 χ^2/NDF: 59.0/38

All: 0.039+/-0.031 χ^2/NDF: 112.0/79

- sign 0.035+/-0.044 χ^2/NDF: 53.0/40

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

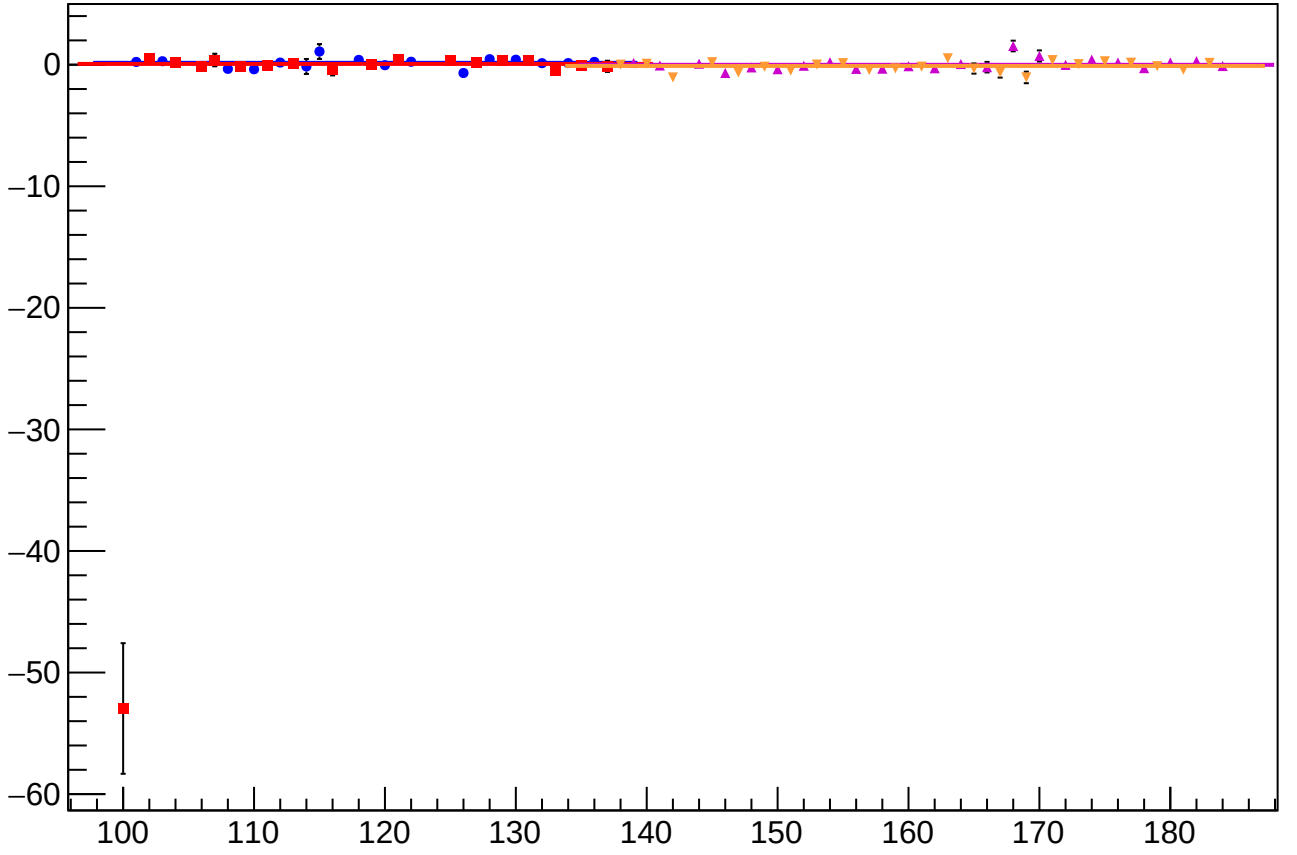
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.176+/-0.037 χ^2/NDF: 44.0/38

All: 0.208+/-0.027 χ^2/NDF: 96.6/79

- sign 0.241+/-0.038 χ^2/NDF: 51.1/40

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

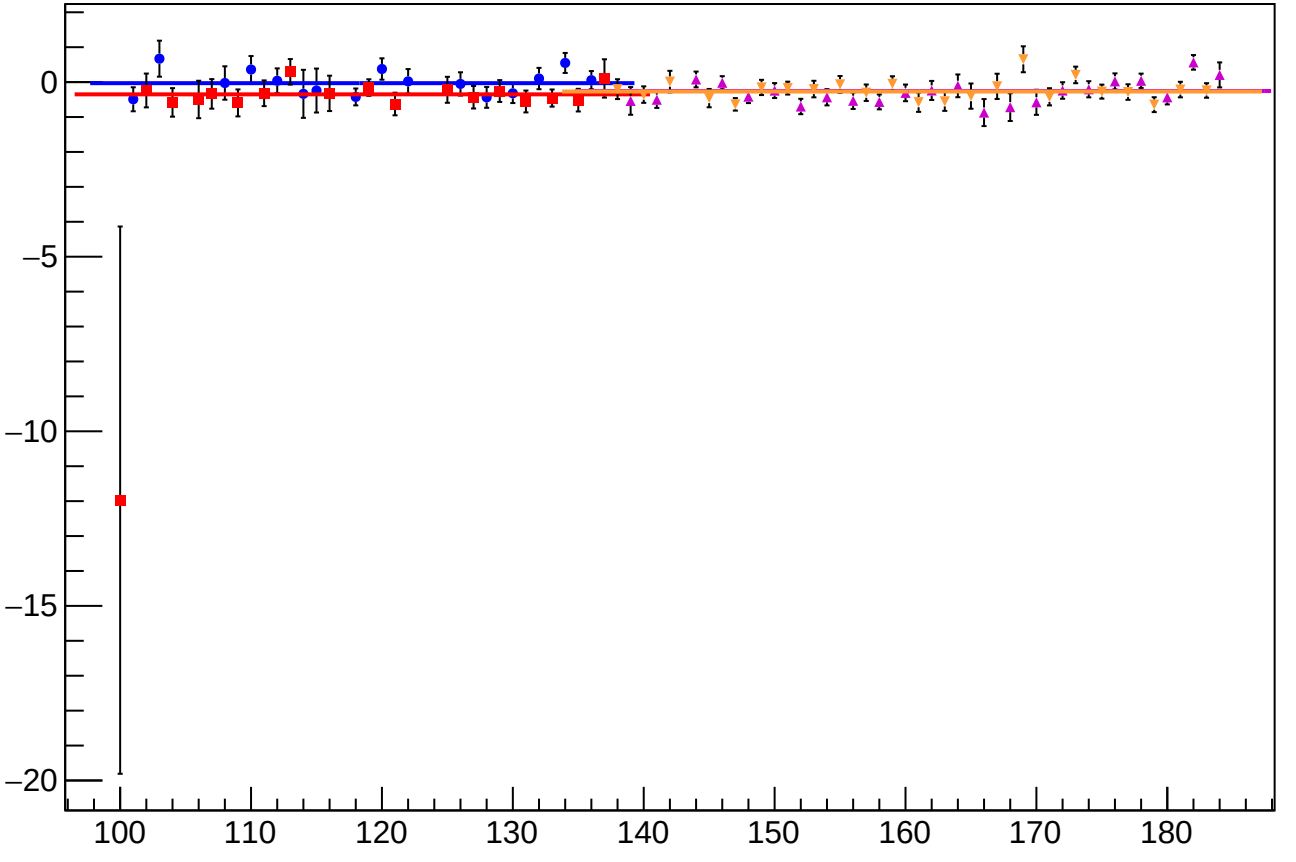
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign -0.015+/-0.046 χ^2/NDF: 59.4/38

All: 0.000+/-0.033 χ^2/NDF: 207.5/79

- sign 0.016+/-0.047 χ^2/NDF: 147.9/40

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

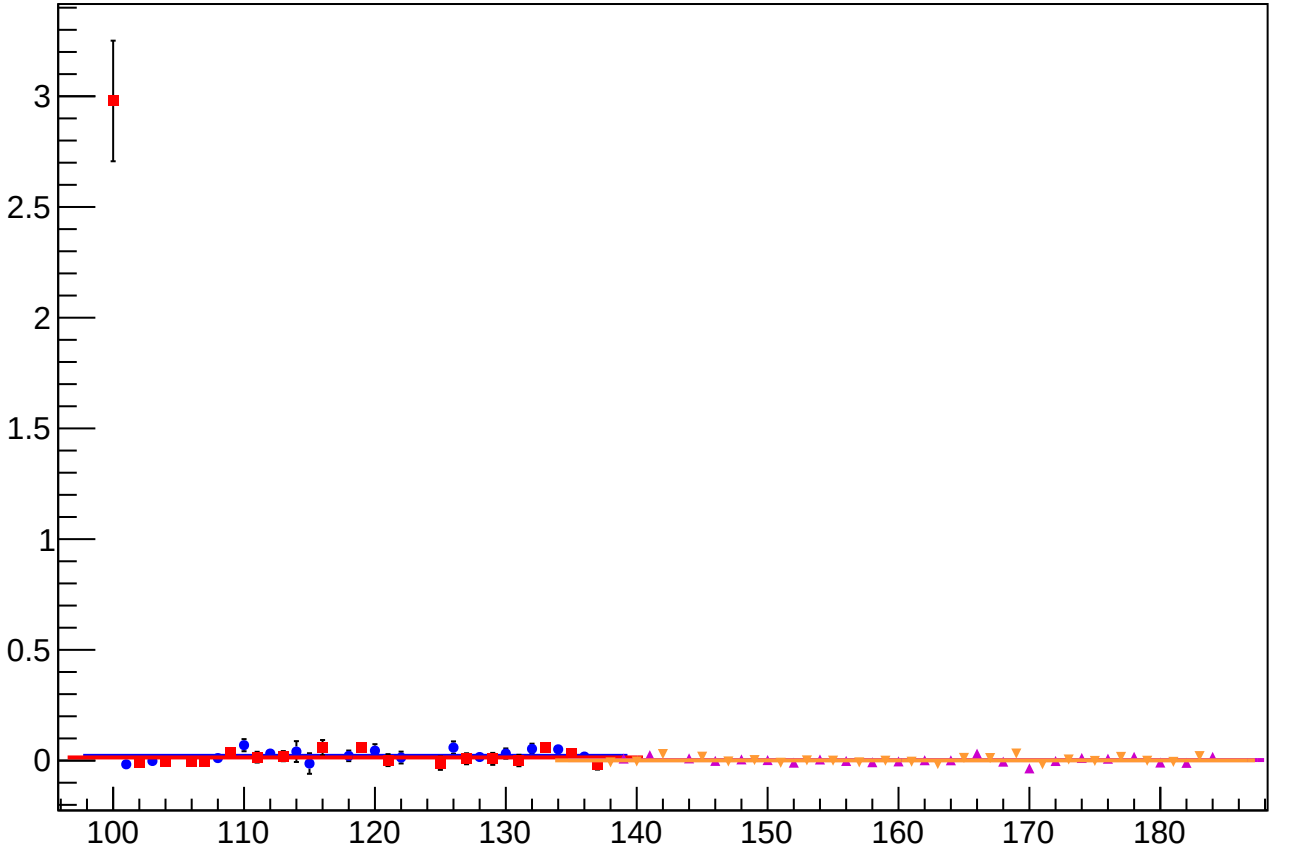
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.207+/-0.043 χ^2/NDF: 47.3/38

All: -0.242+/-0.030 χ^2/NDF: 99.7/79

- sign -0.279+/-0.043 χ^2/NDF: 51.0/40

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

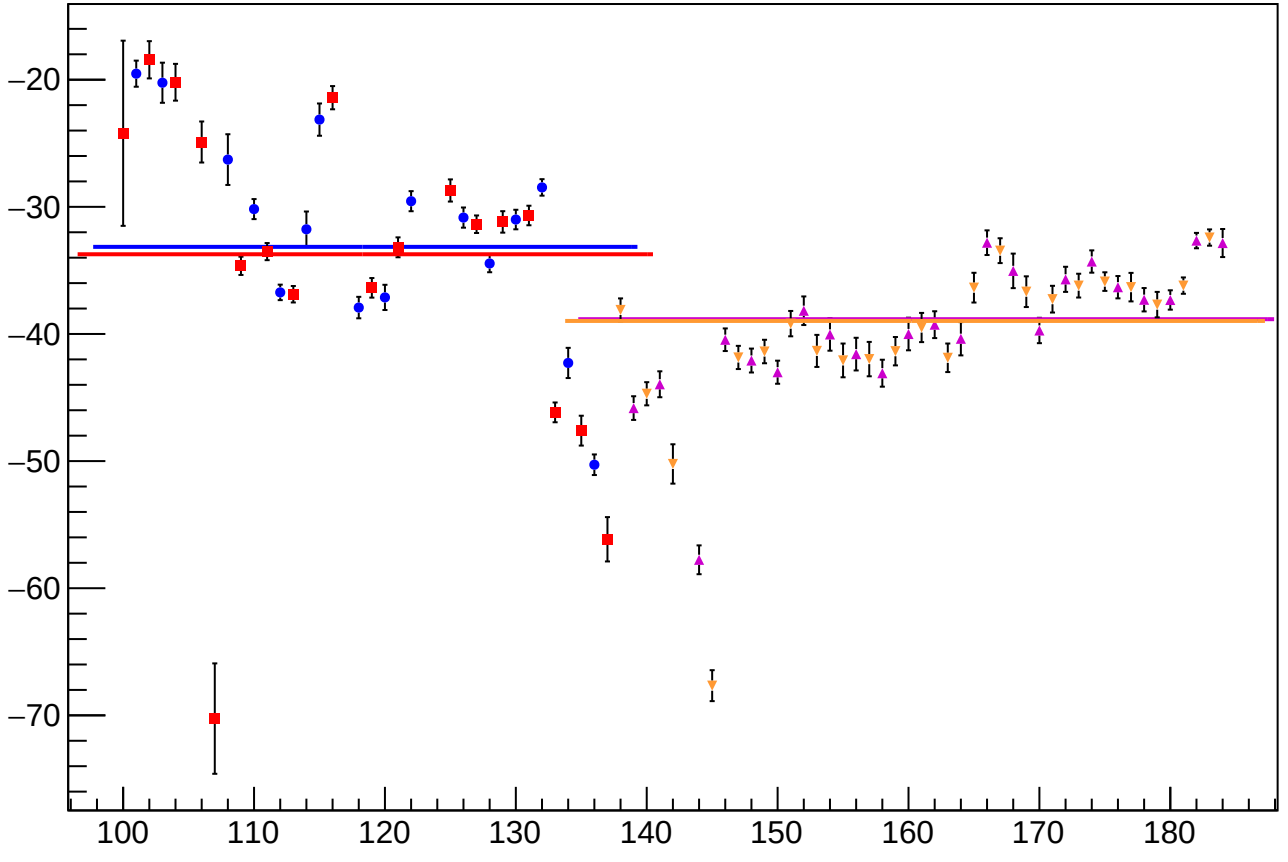
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 63.4/38

All: 0.004+/-0.001 χ^2/NDF: 233.7/79

- sign 0.004+/-0.002 χ^2/NDF: 170.3/40

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

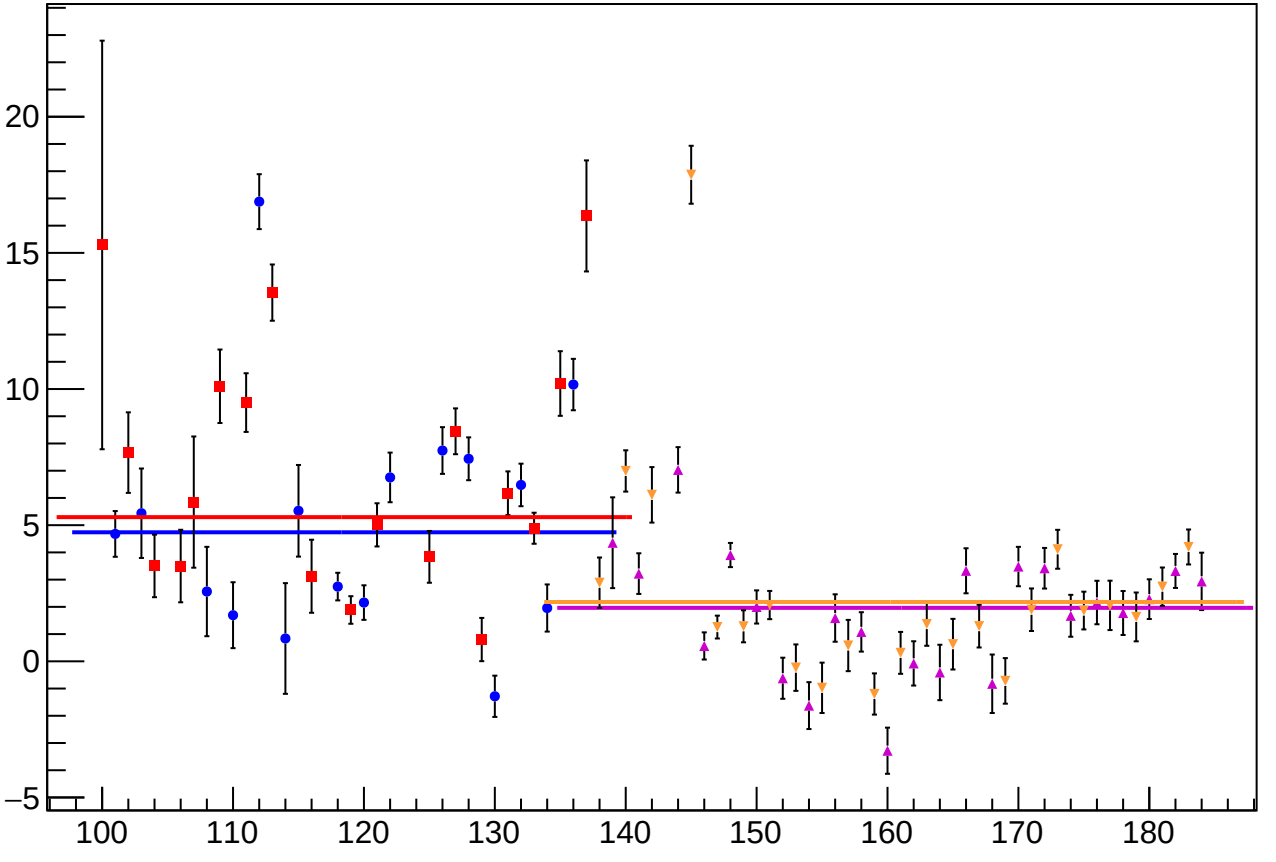
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -36.253+/-0.149 χ^2/NDF: 2286.0/38

All: -36.339+/-0.105 χ^2/NDF: 4386.4/79

- sign -36.423+/-0.148 χ^2/NDF: 2099.8/40

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

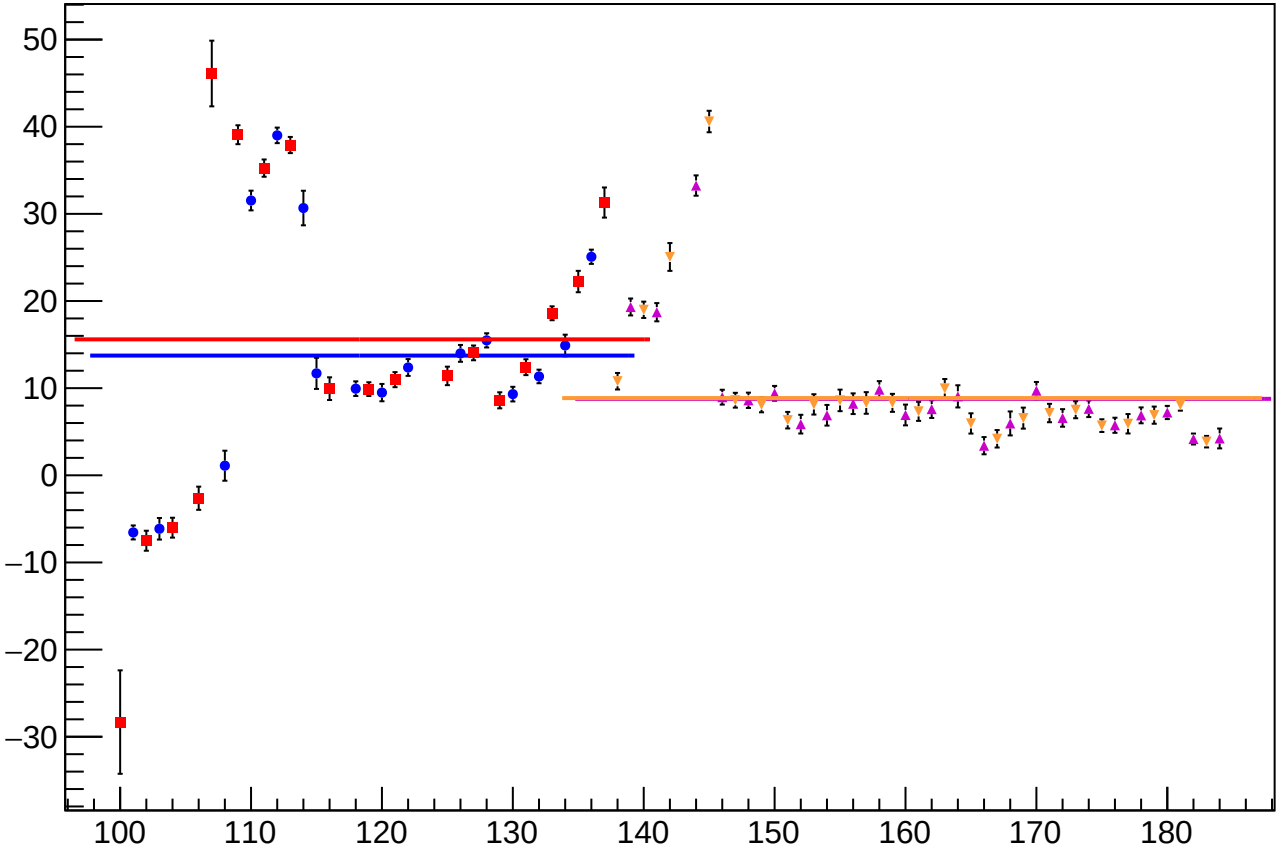
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.020+/-0.126 χ^2/NDF: 785.5/38

All: 3.032+/-0.089 χ^2/NDF: 1354.1/79

- sign 3.044+/-0.127 χ^2/NDF: 568.6/40

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

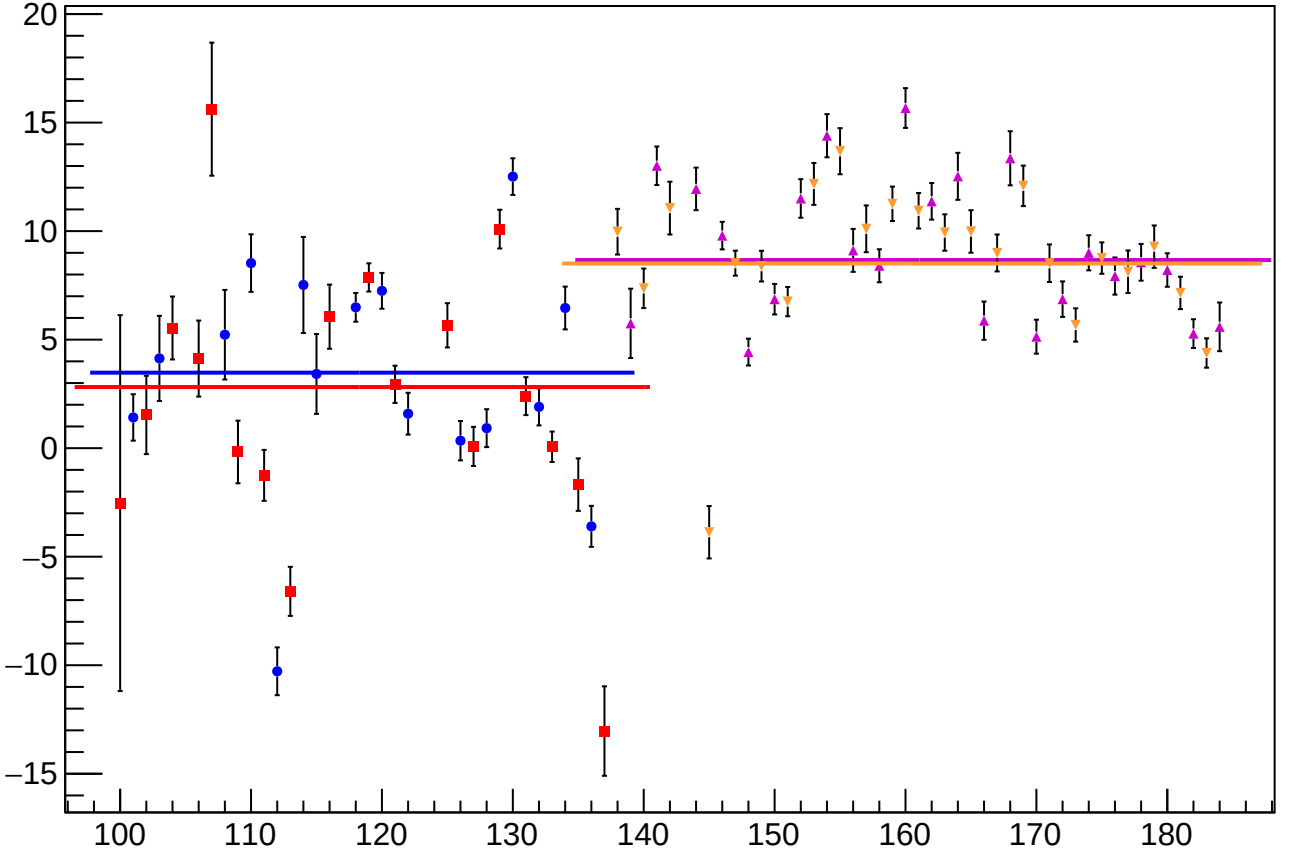
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 10.822+/-0.156 χ^2/NDF: 3607.0/38

All: 11.140+/-0.111 χ^2/NDF: 7688.5/79

\- sign 11.460+/-0.157 χ^2/NDF: 4073.2/40

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

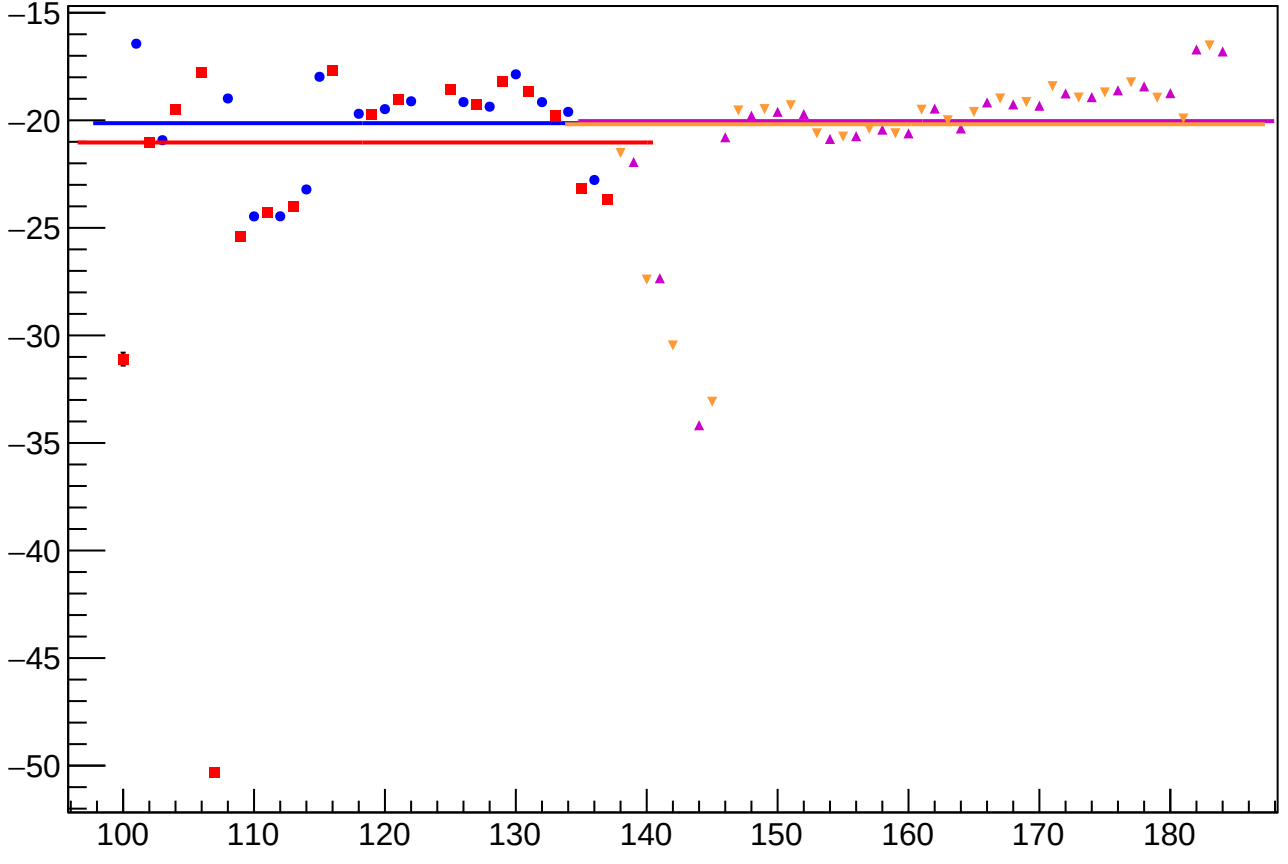
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.884+/-0.144 χ^2/NDF: 950.2/38

All: 6.846+/-0.102 χ^2/NDF: 1953.1/79

\- sign 6.806+/-0.145 χ^2/NDF: 1002.7/40

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

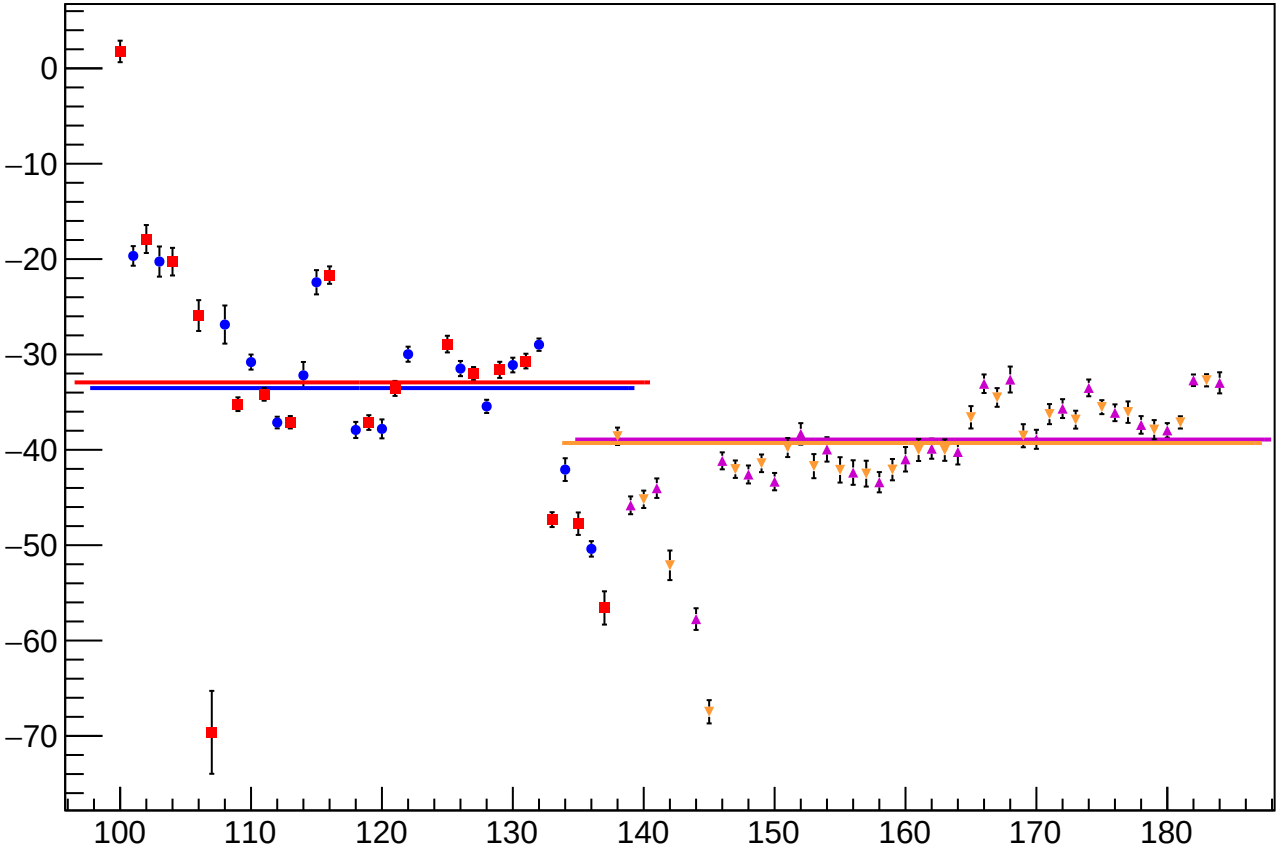
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.173+/-0.007 χ^2/NDF: 174229.1/38

All: -20.199+/-0.005 χ^2/NDF: 367030.0/79

- sign -20.223+/-0.007 χ^2/NDF: 192776.6/40

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

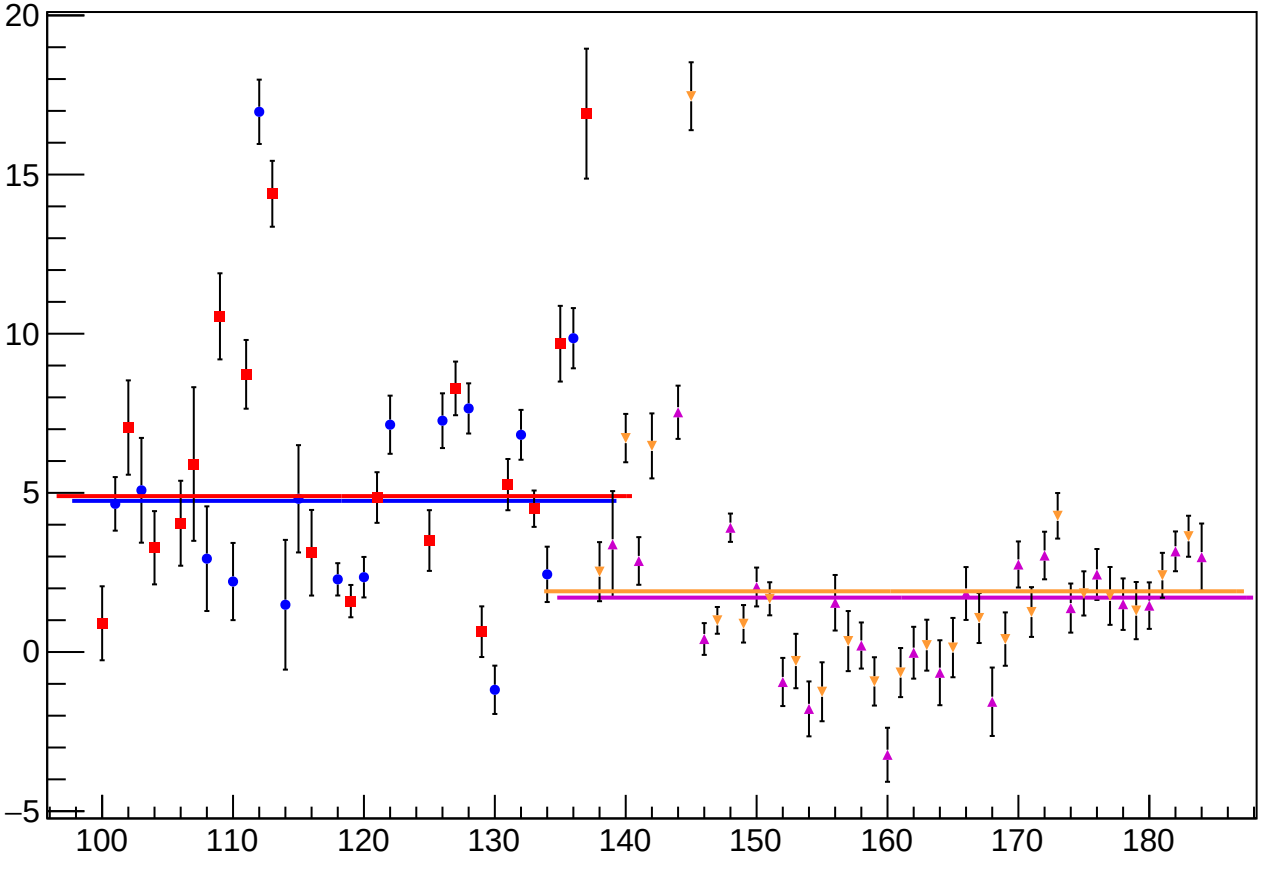
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

\+ sign -36.595+/-0.149 χ^2/NDF: 2255.5/38

All: -36.312+/-0.105 χ^2/NDF: 5532.8/79

\- sign -36.039+/-0.147 χ^2/NDF: 3270.3/40

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

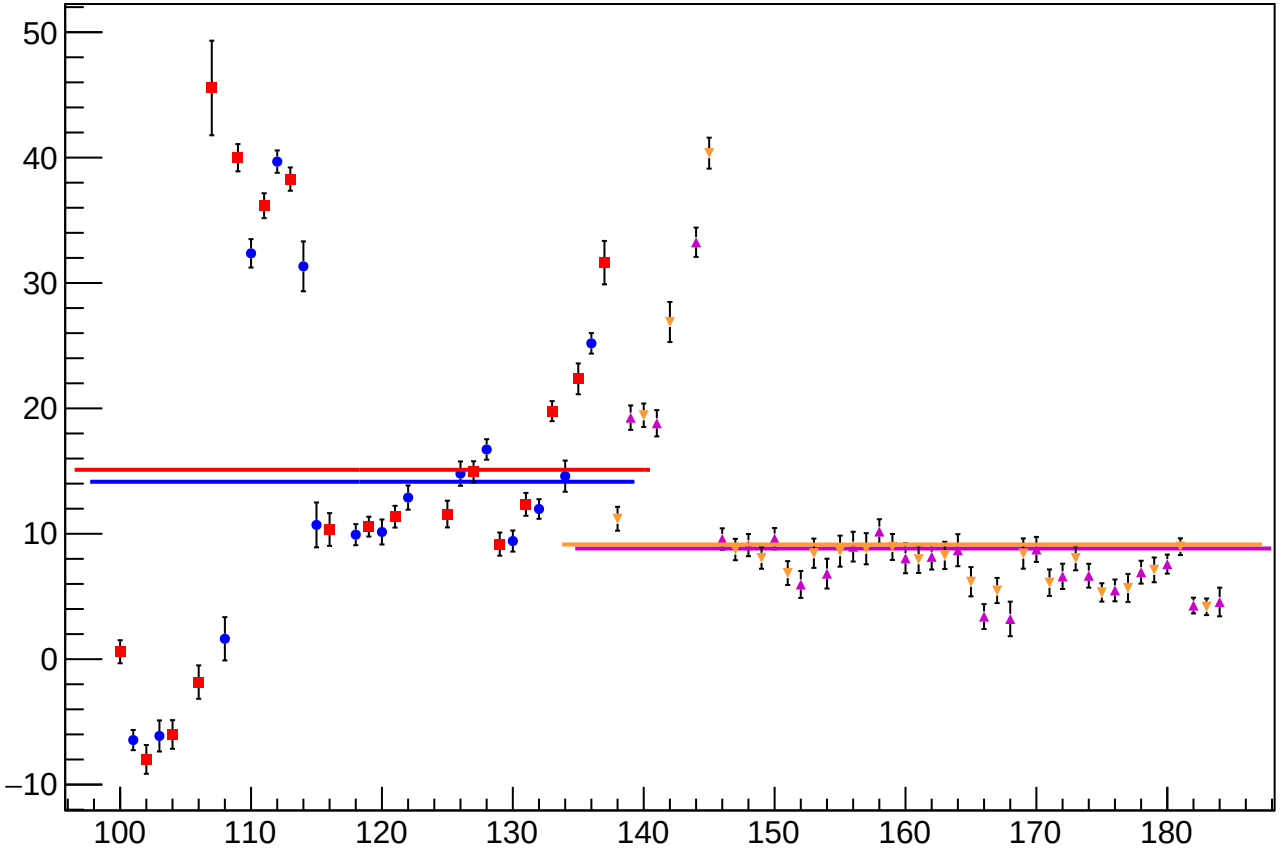
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.841+/-0.126 χ^2/NDF: 797.3/38

All: 2.804+/-0.089 χ^2/NDF: 1393.6/79

- sign 2.768+/-0.127 χ^2/NDF: 596.2/40

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

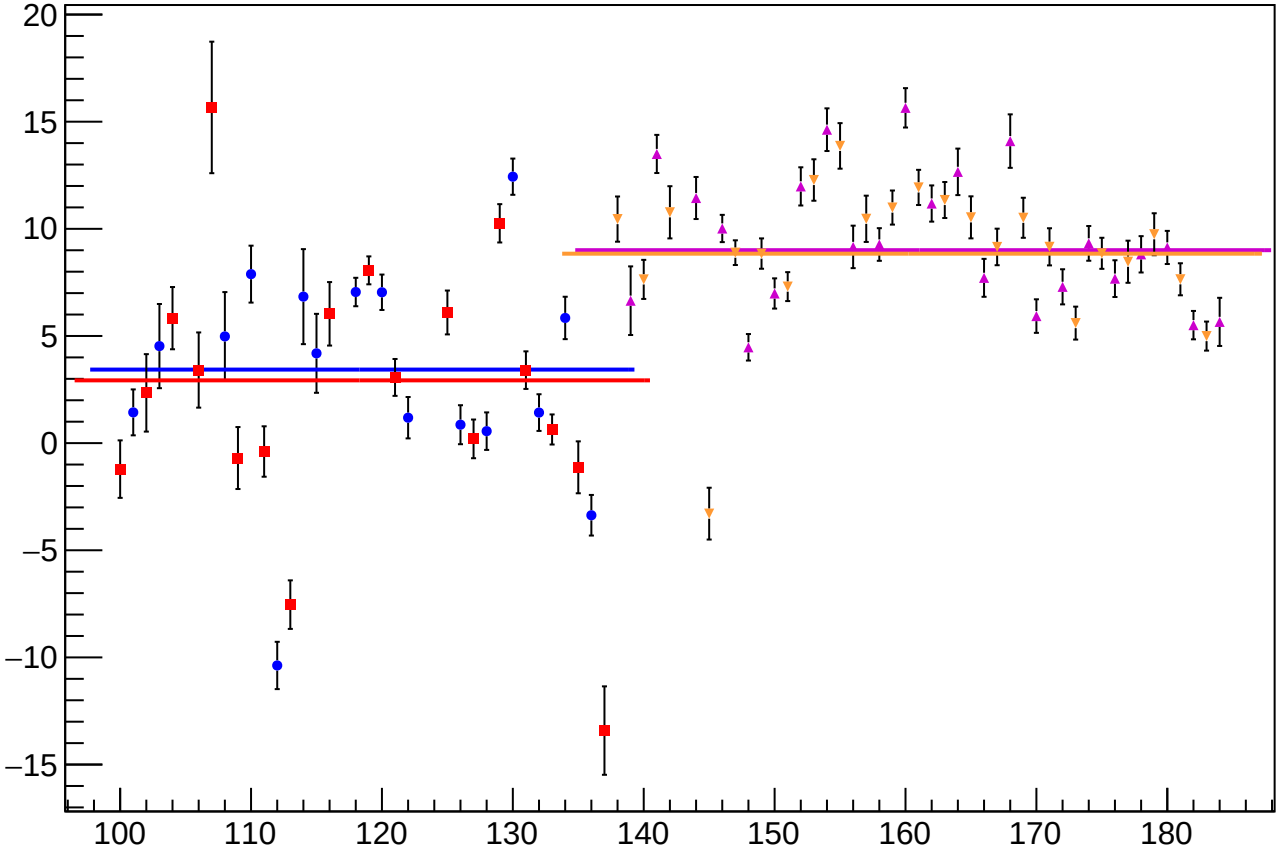
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

\+ sign 11.157+/-0.157 χ^2/NDF: 3671.3/38

All: 11.281+/-0.110 χ^2/NDF: 7973.1/79

\- sign 11.401+/-0.155 χ^2/NDF: 4300.5/40

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

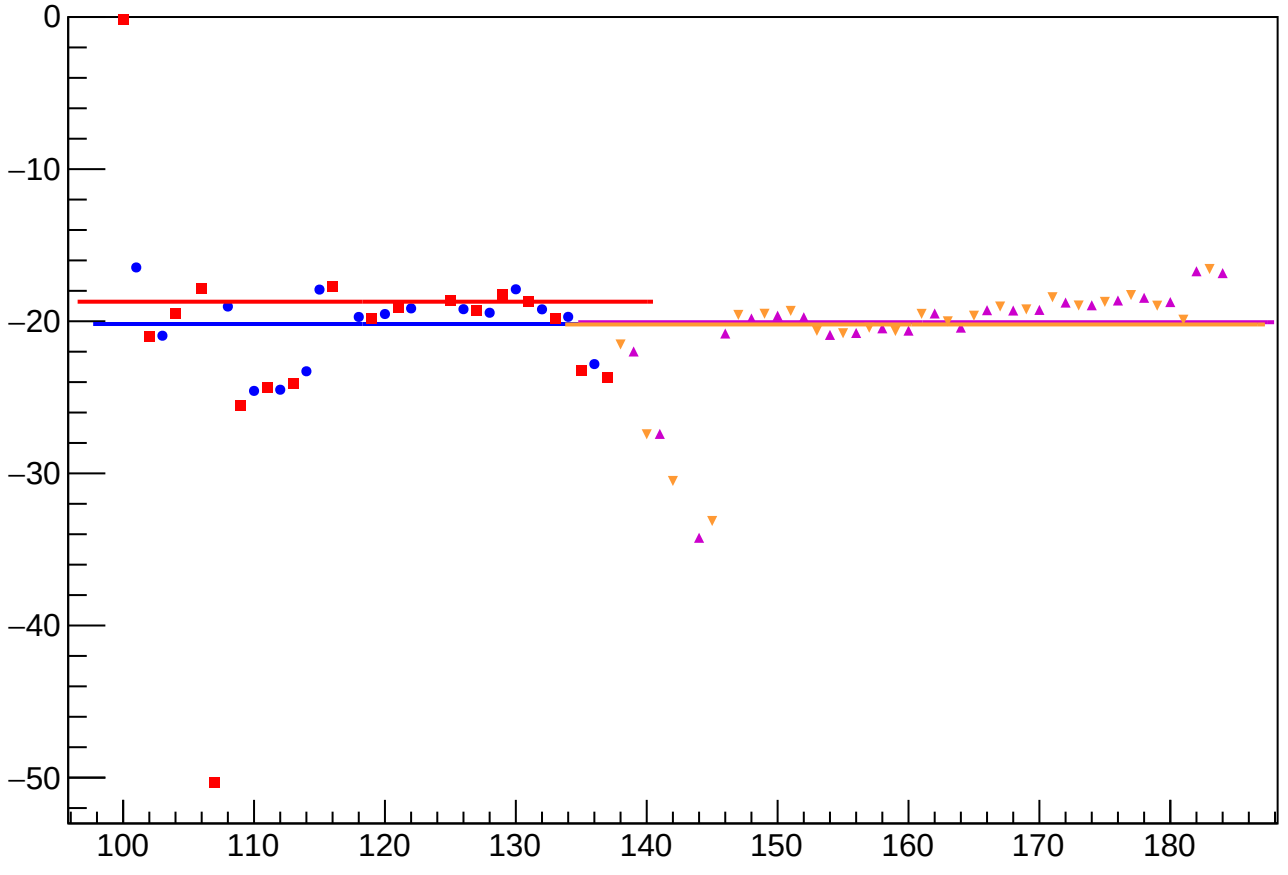
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.095+/-0.144 χ^2/NDF: 970.7/38

All: 7.061+/-0.102 χ^2/NDF: 2016.0/79

\- sign 7.026+/-0.145 χ^2/NDF: 1045.2/40

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

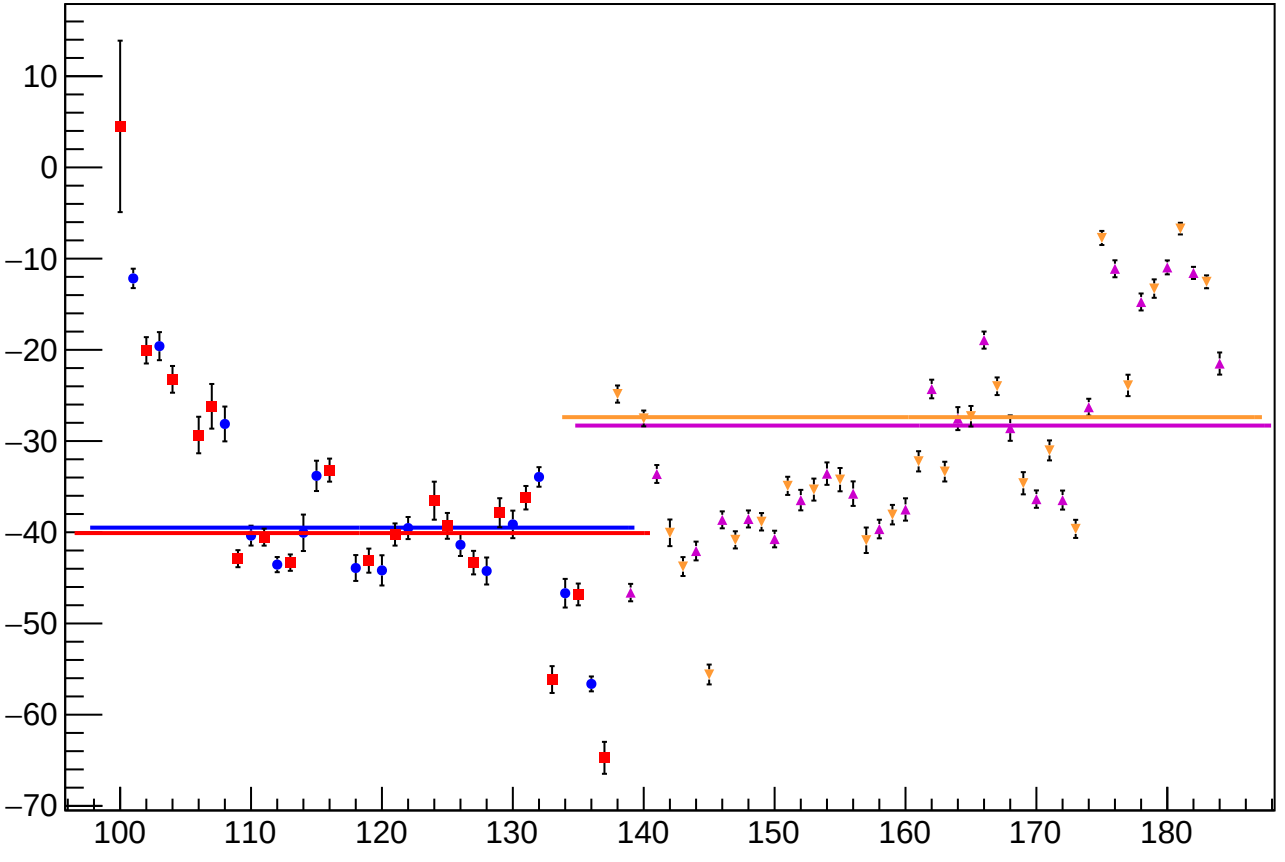
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.204+/-0.007 χ^2/NDF: 173668.8/38

All: -19.991+/-0.005 χ^2/NDF: 548716.2/79

- sign -19.786+/-0.007 χ^2/NDF: 373325.6/40

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

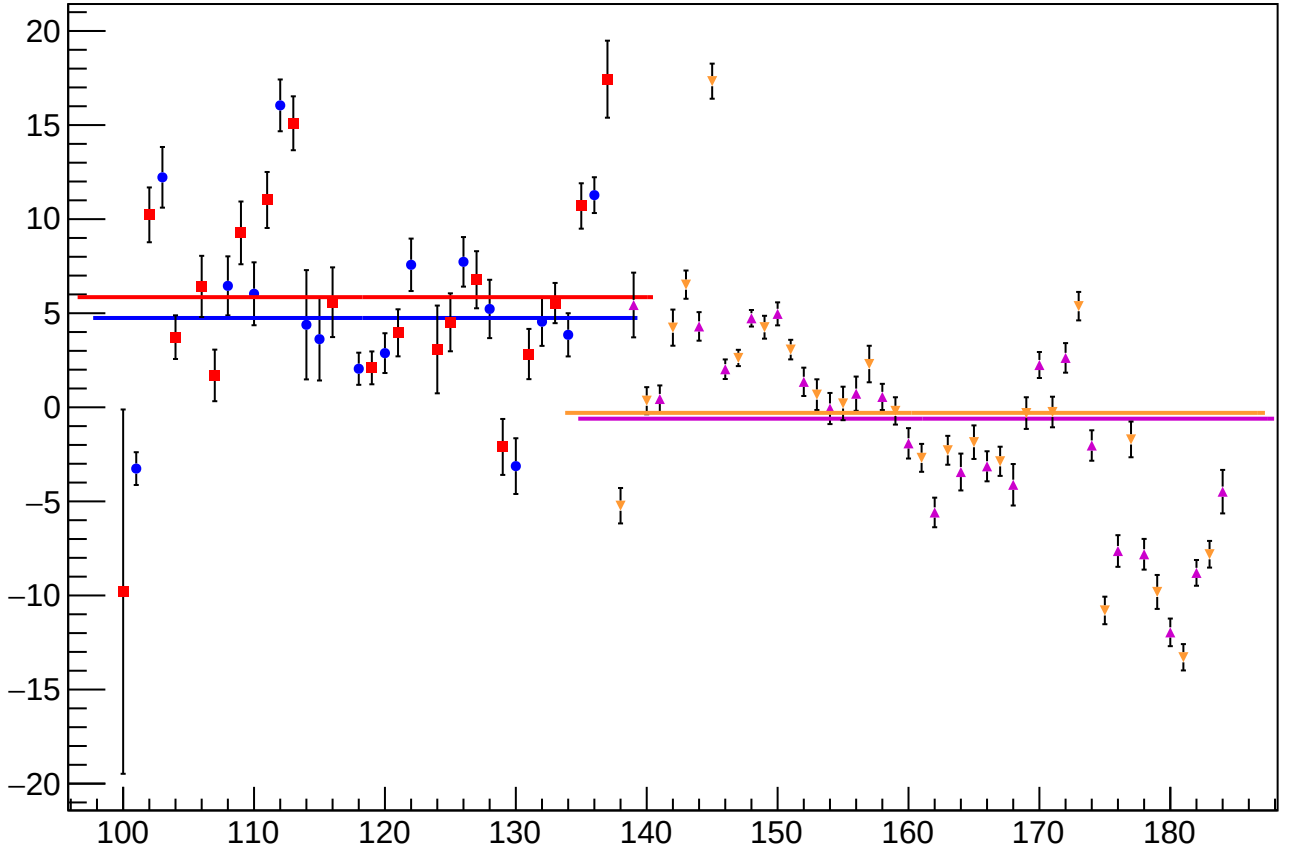
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -30.981+/-0.169 χ^2/NDF: 6752.0/39

All: -31.463+/-0.120 χ^2/NDF: 11893.5/81

- sign -31.955+/-0.171 χ^2/NDF: 5125.1/41

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

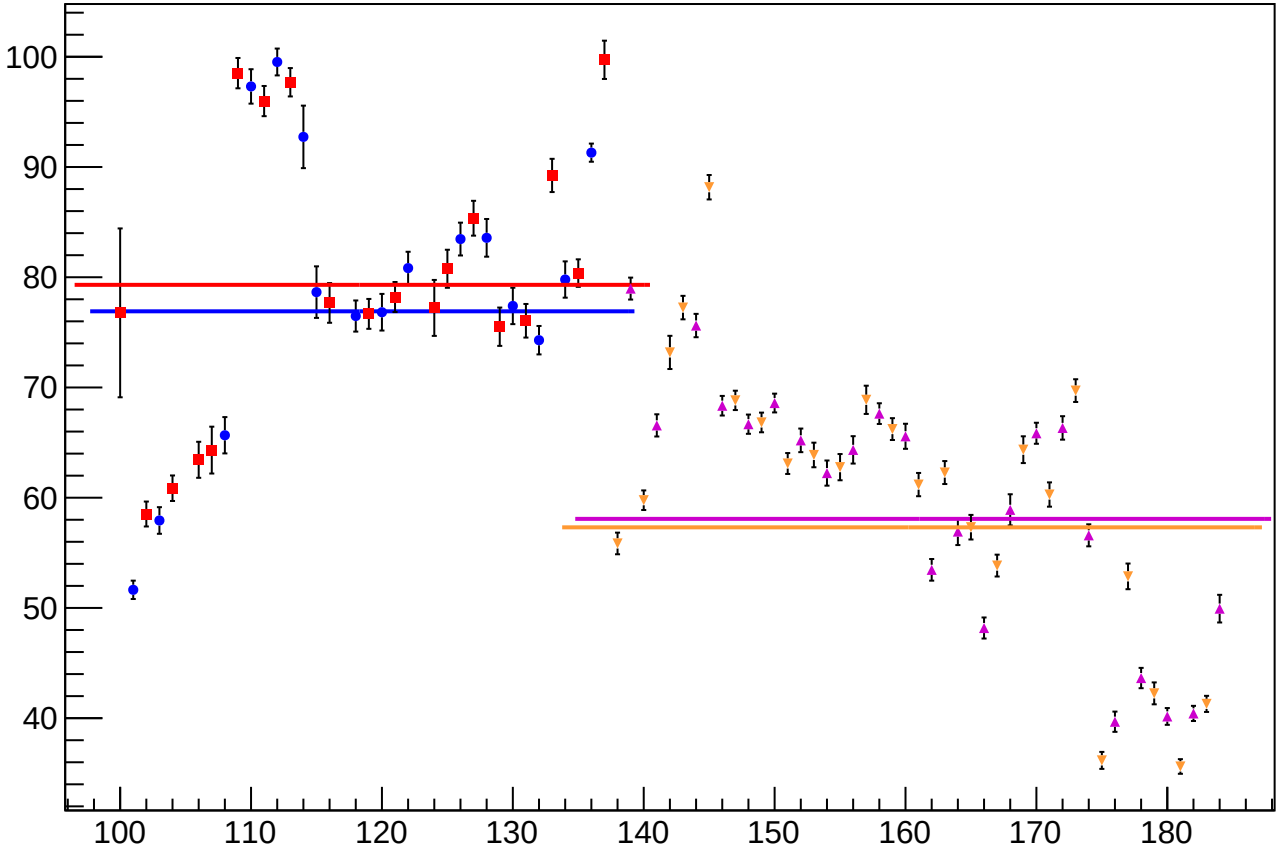
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.642+/-0.136 χ^2/NDF: 1987.1/39

All: 0.622+/-0.098 χ^2/NDF: 3472.9/81

- sign 0.601+/-0.140 χ^2/NDF: 1485.7/41

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

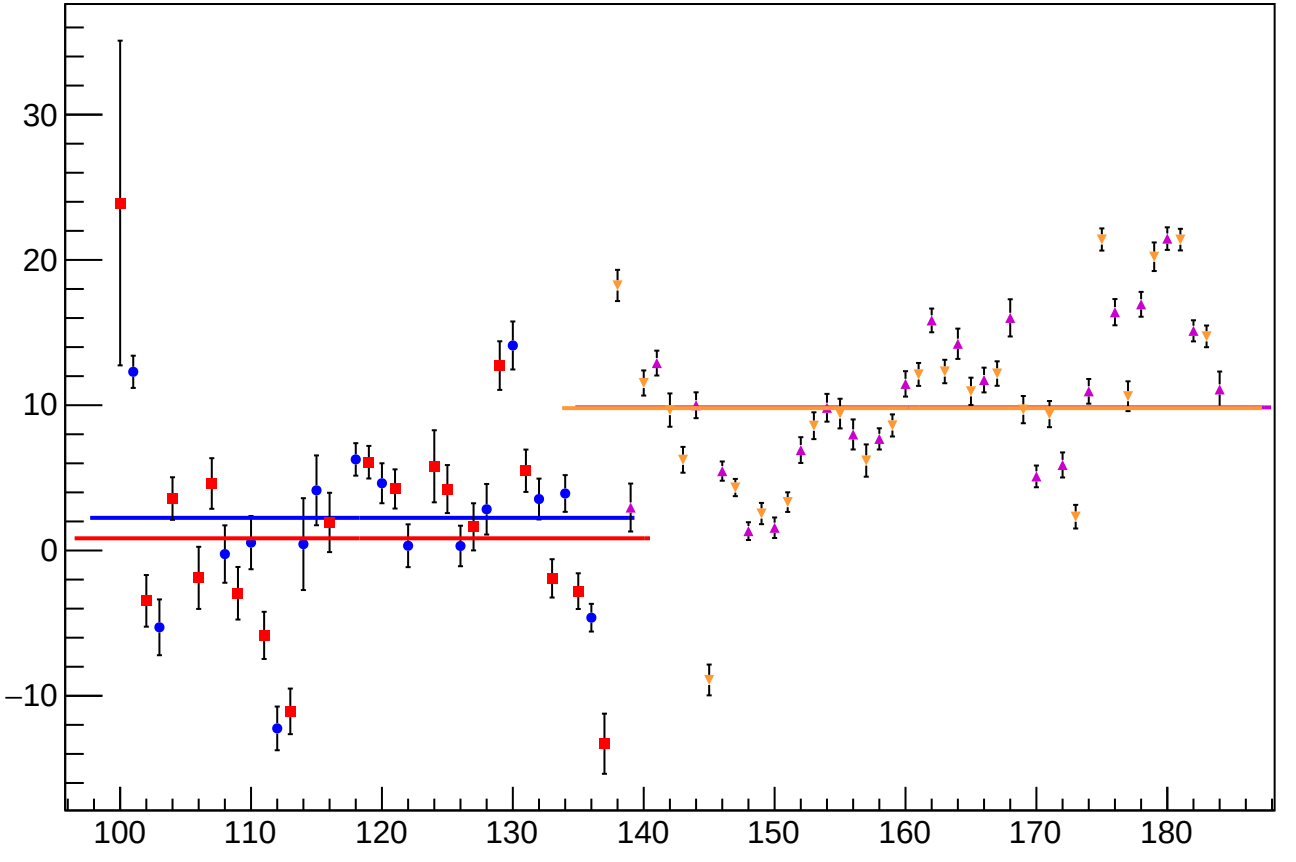
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 62.435+/-0.172 χ^2/NDF: 9182.0/39

All: 62.953+/-0.123 χ^2/NDF: 17030.9/81

- sign 63.492+/-0.176 χ^2/NDF: 7830.5/41

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

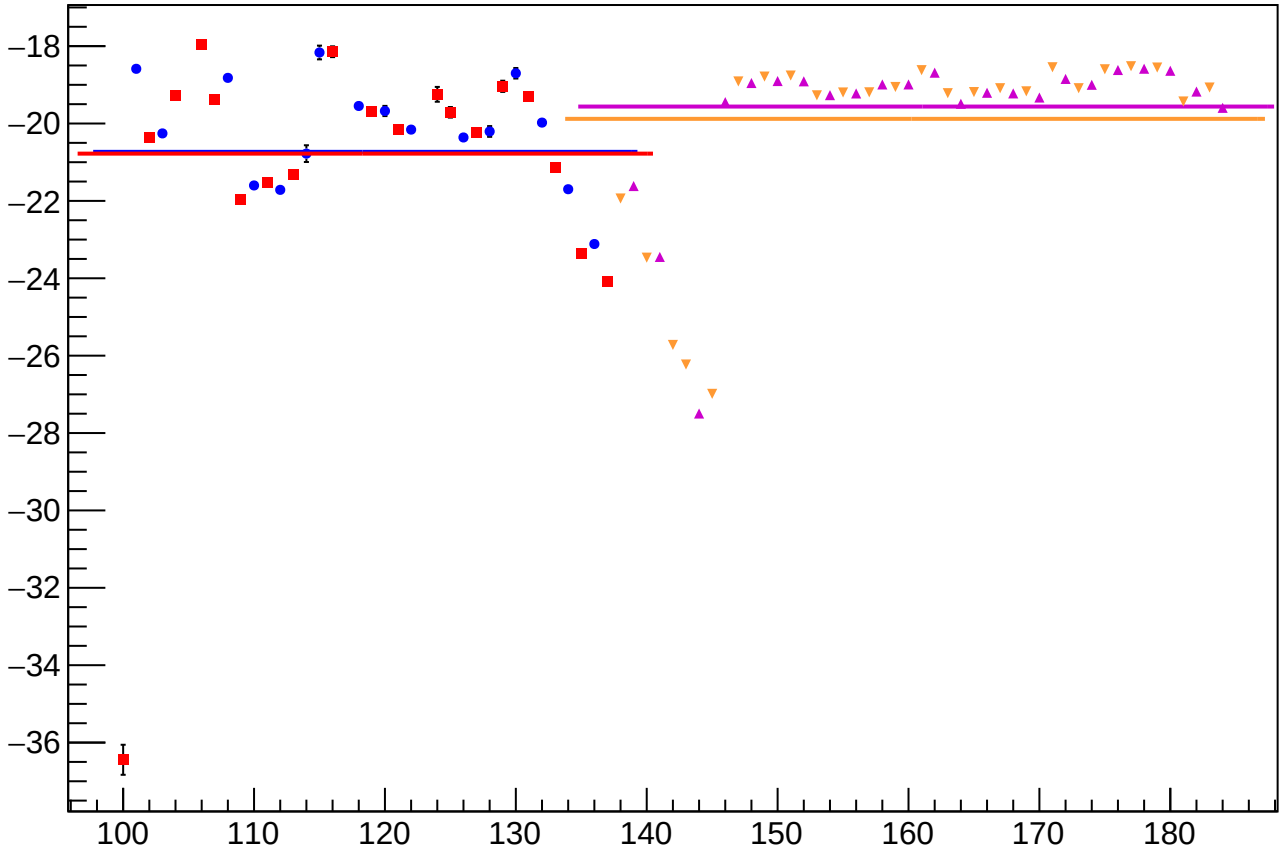
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

\+ sign 8.407+/-0.156 χ^2/NDF: 2099.6/39

All: 8.304+/-0.111 χ^2/NDF: 3828.5/81

\- sign 8.197+/-0.159 χ^2/NDF: 1728.0/41

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

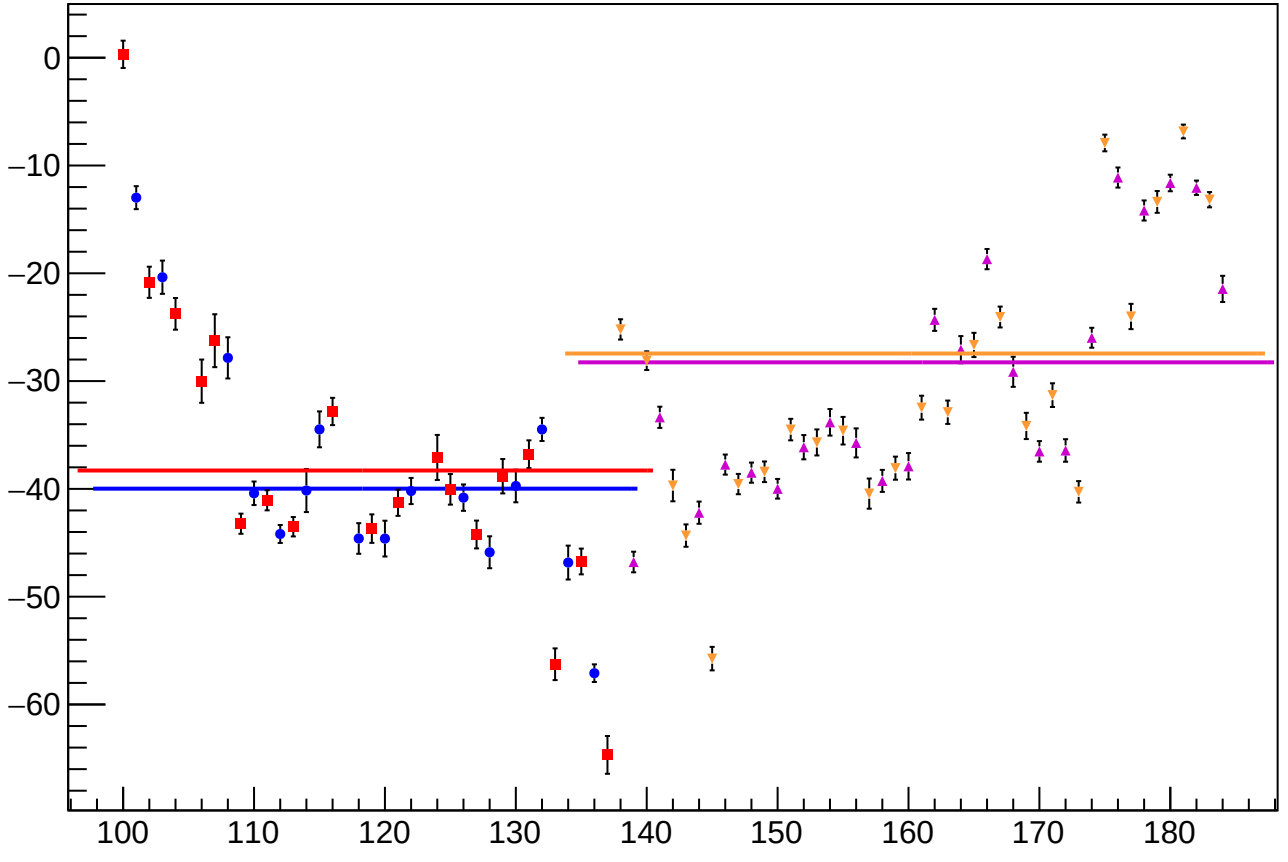
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.001+/-0.007 χ^2/NDF: 88032.7/39

All: -19.864+/-0.005 χ^2/NDF: 146478.4/81

- sign -19.725+/-0.007 χ^2/NDF: 57743.5/41

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

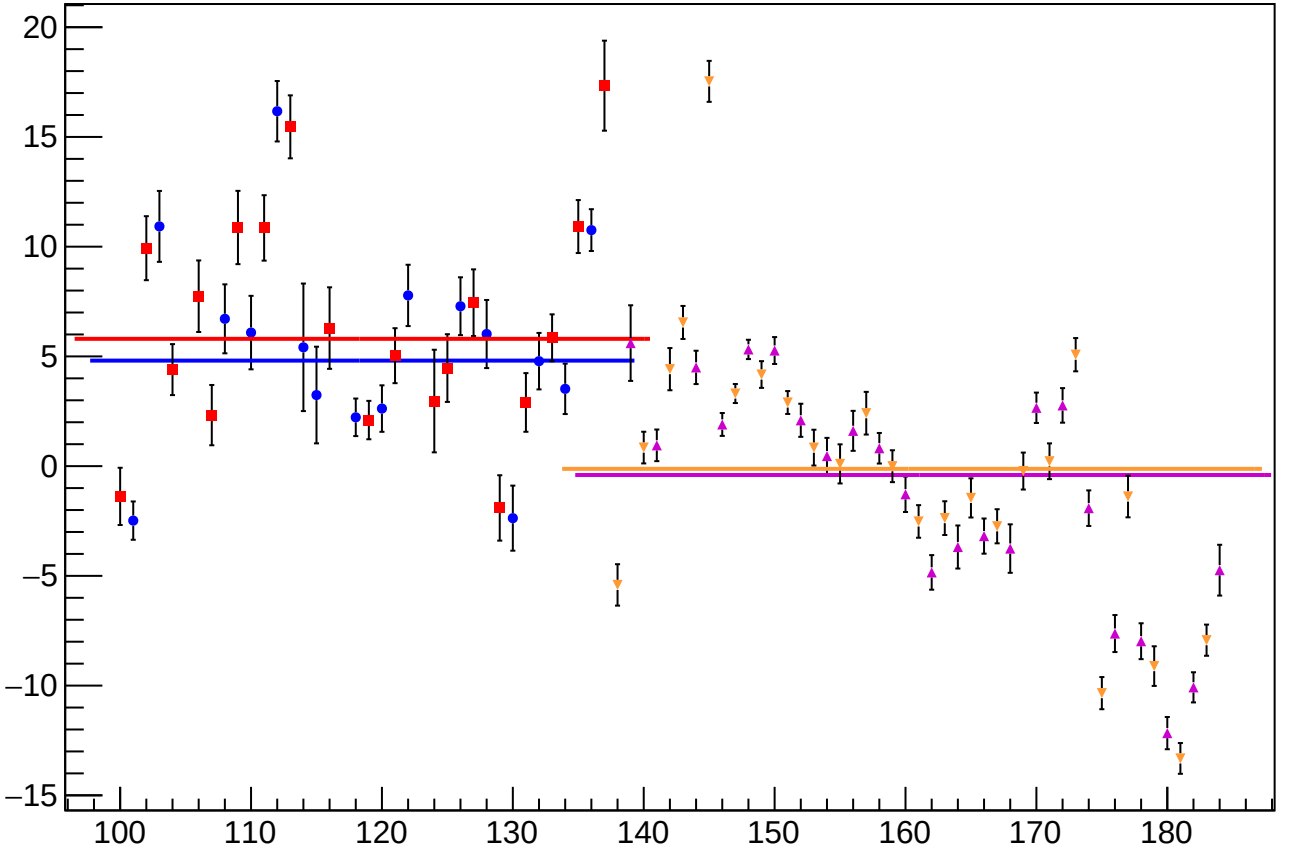
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -31.168+/-0.170 χ^2/NDF: 6709.5/39

All: -31.330+/-0.120 χ^2/NDF: 12420.8/81

- sign -31.493+/-0.170 χ^2/NDF: 5709.5/41

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

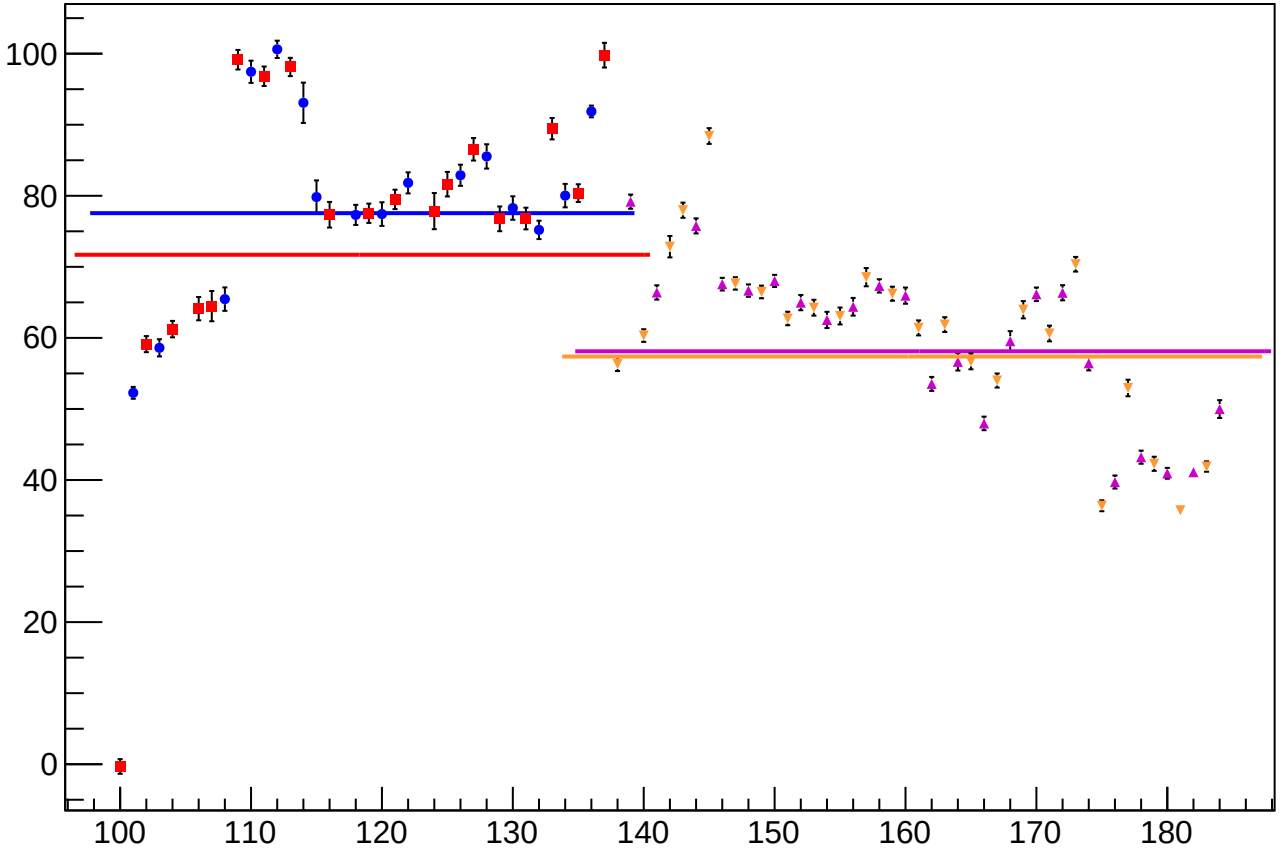
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 0.793+/-0.136 χ^2/NDF: 1935.3/39

All: 0.802+/-0.097 χ^2/NDF: 3547.9/81

- sign 0.811+/-0.139 χ^2/NDF: 1612.6/41

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

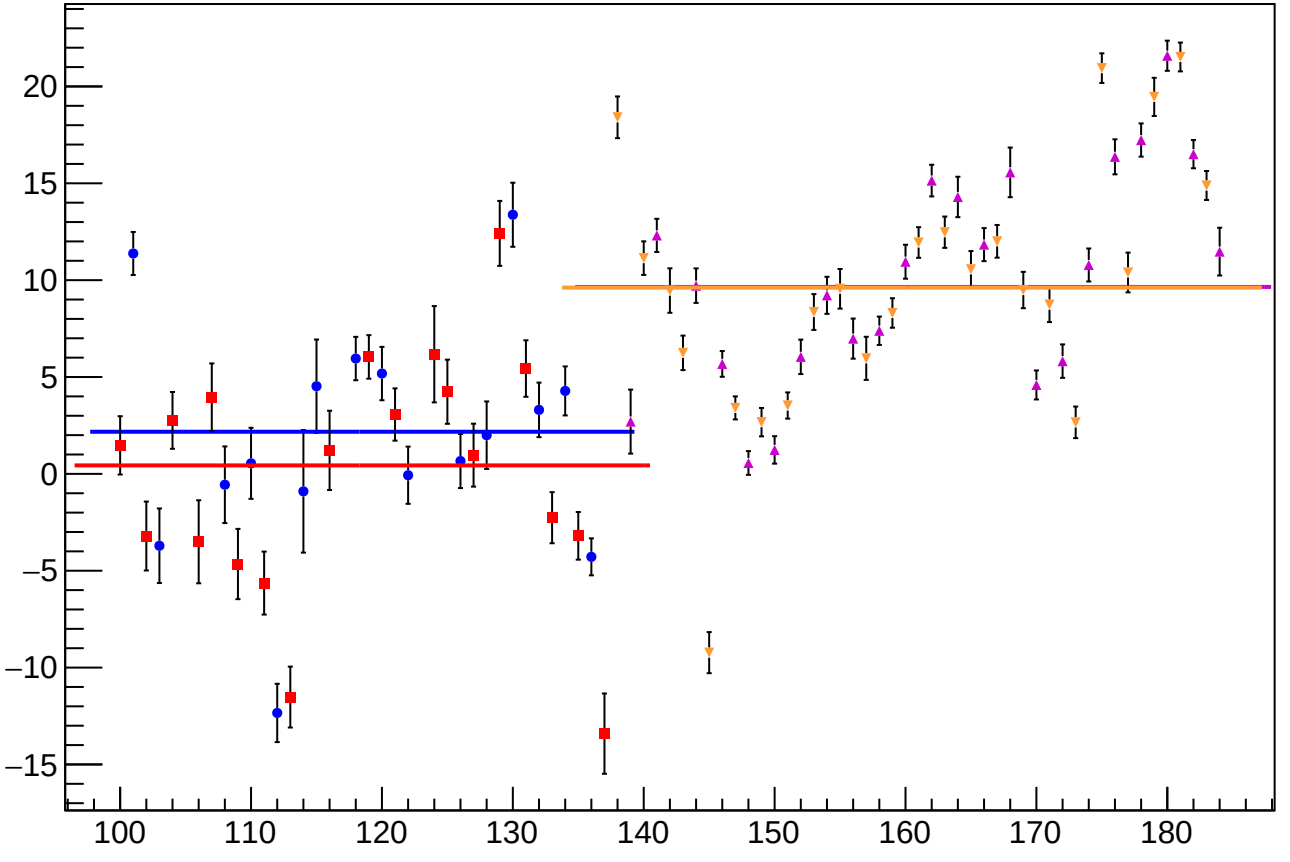
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 62.651+/-0.172 χ^2/NDF: 9254.1/39

All: 62.258+/-0.122 χ^2/NDF: 20835.5/81

- sign 61.861+/-0.173 χ^2/NDF: 11571.0/41

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

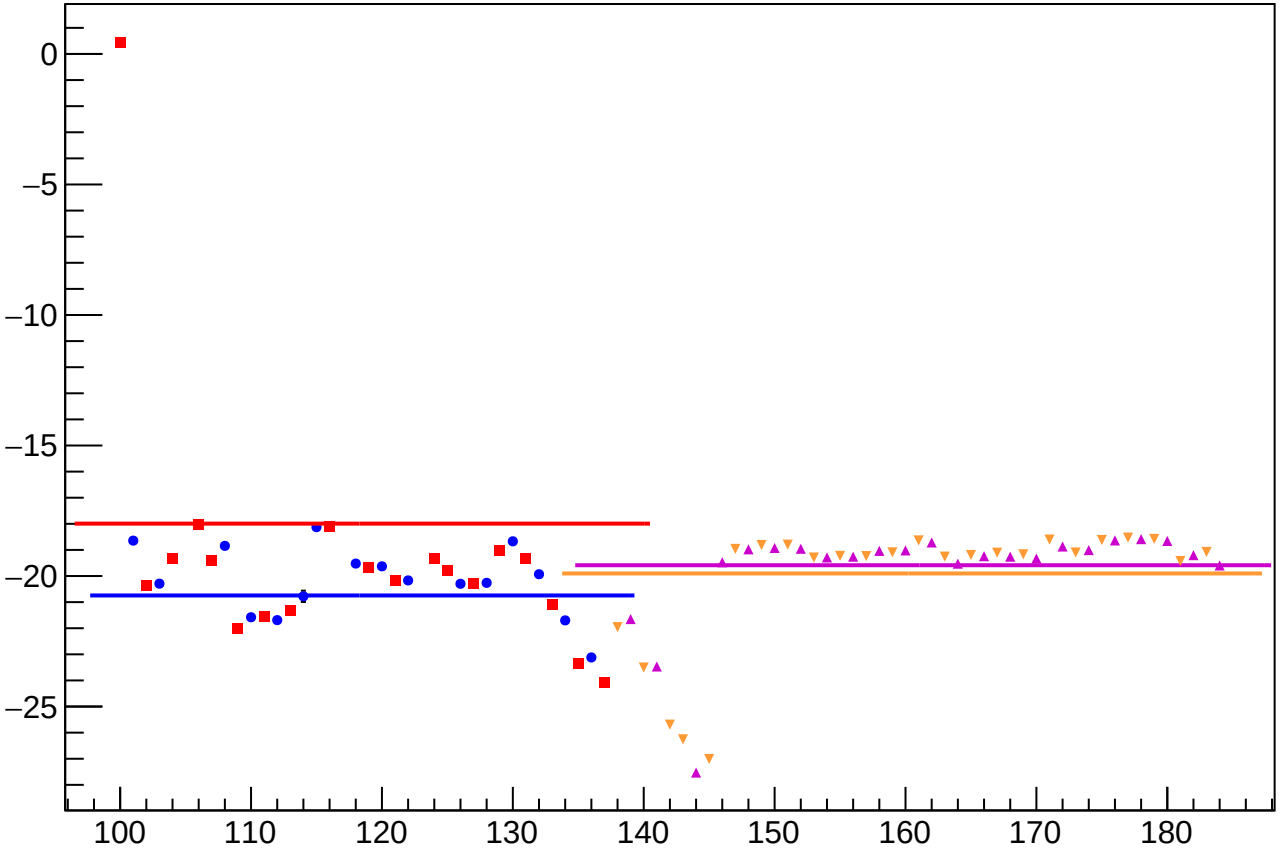
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 8.244+/-0.156 χ^2/NDF: 2057.5/39

All: 8.064+/-0.111 χ^2/NDF: 3916.1/81

\- sign 7.878+/-0.159 χ^2/NDF: 1856.0/41

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

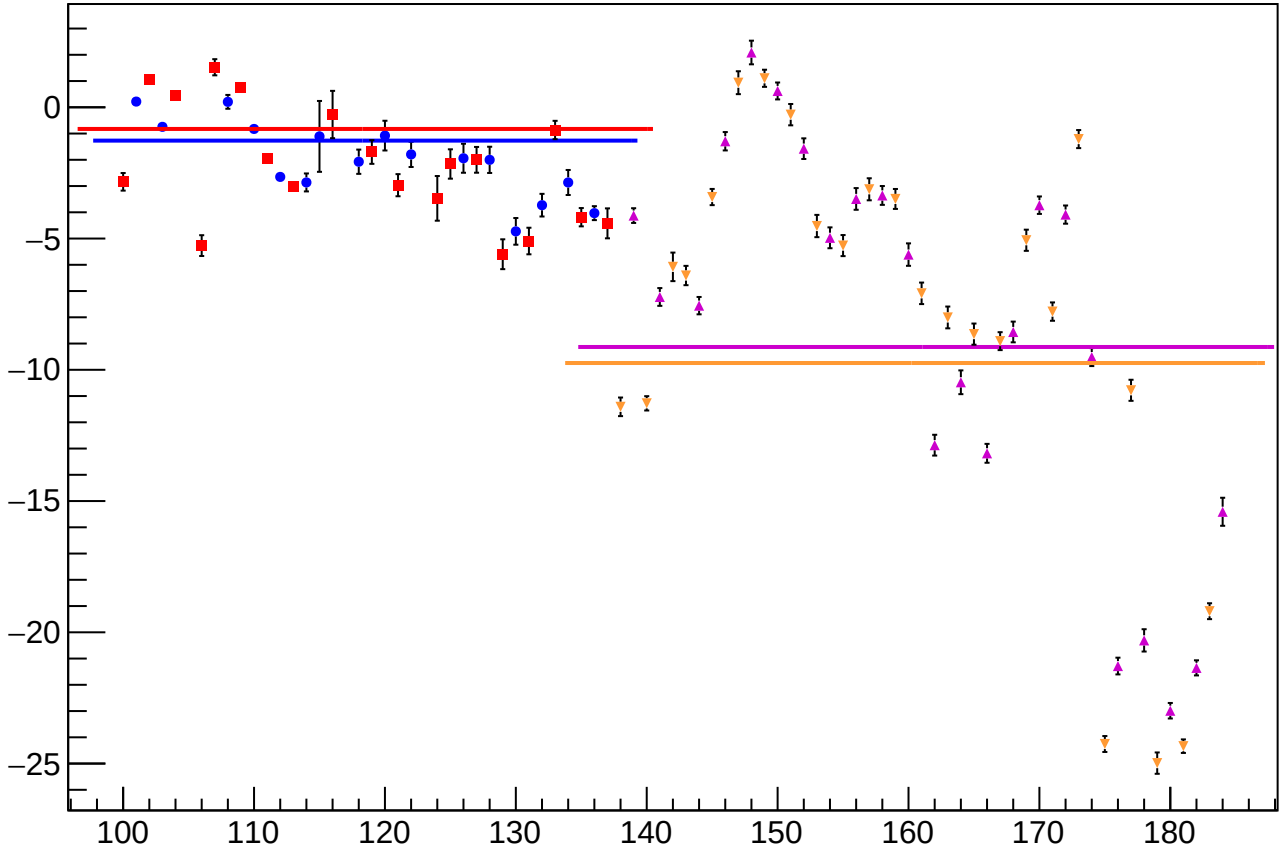
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.022+/-0.007 χ^2/NDF: 87493.0/39

All: -19.683+/-0.005 χ^2/NDF: 293446.7/81

- sign -19.345+/-0.007 χ^2/NDF: 201711.3/41

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

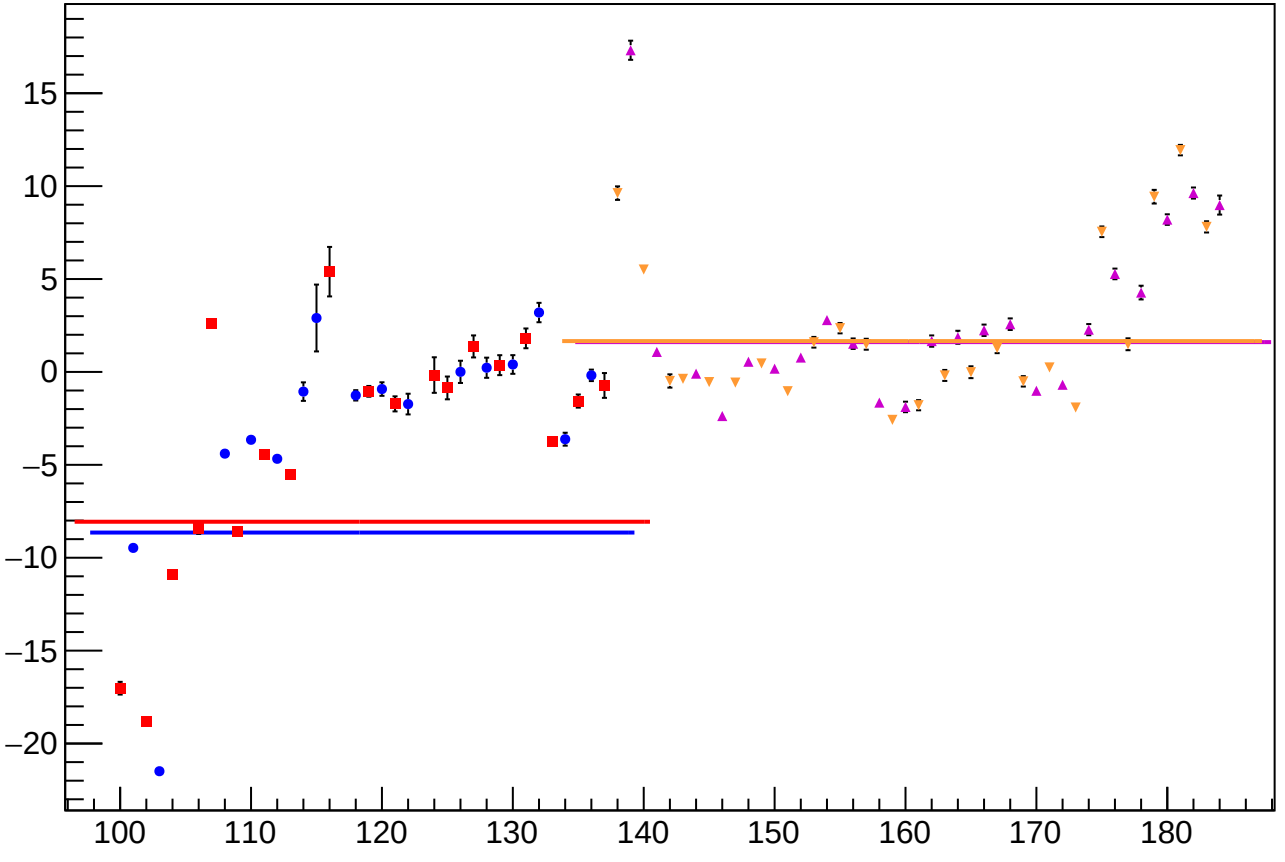
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.287+/-0.044 χ^2/NDF: 21590.7/39

All: -3.861+/-0.030 χ^2/NDF: 41966.7/81

- sign -3.465+/-0.042 χ^2/NDF: 20192.7/41

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

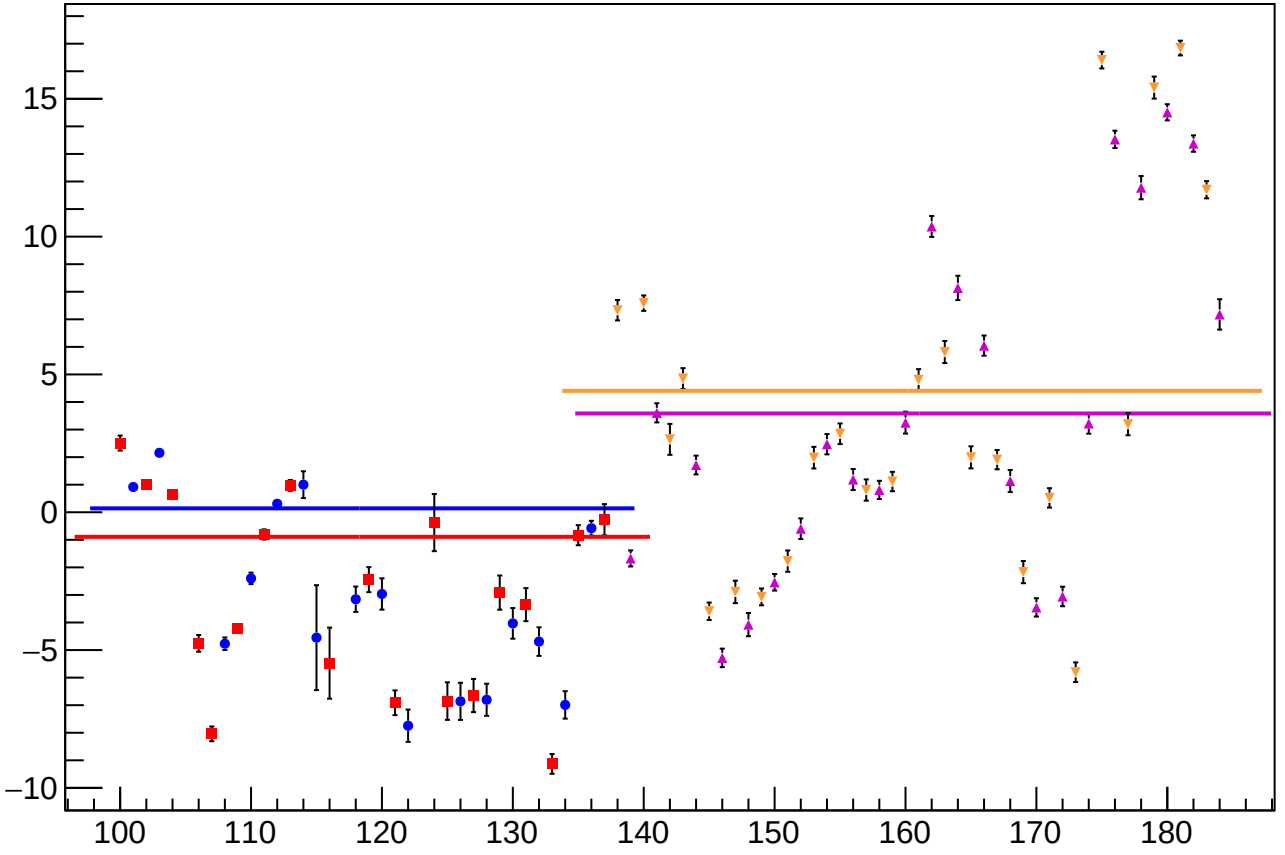
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -3.368+/-0.040 χ^2/NDF: 35212.4/39

All: -3.307+/-0.028 χ^2/NDF: 67392.8/81

- sign -3.243+/-0.041 χ^2/NDF: 32175.5/41

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

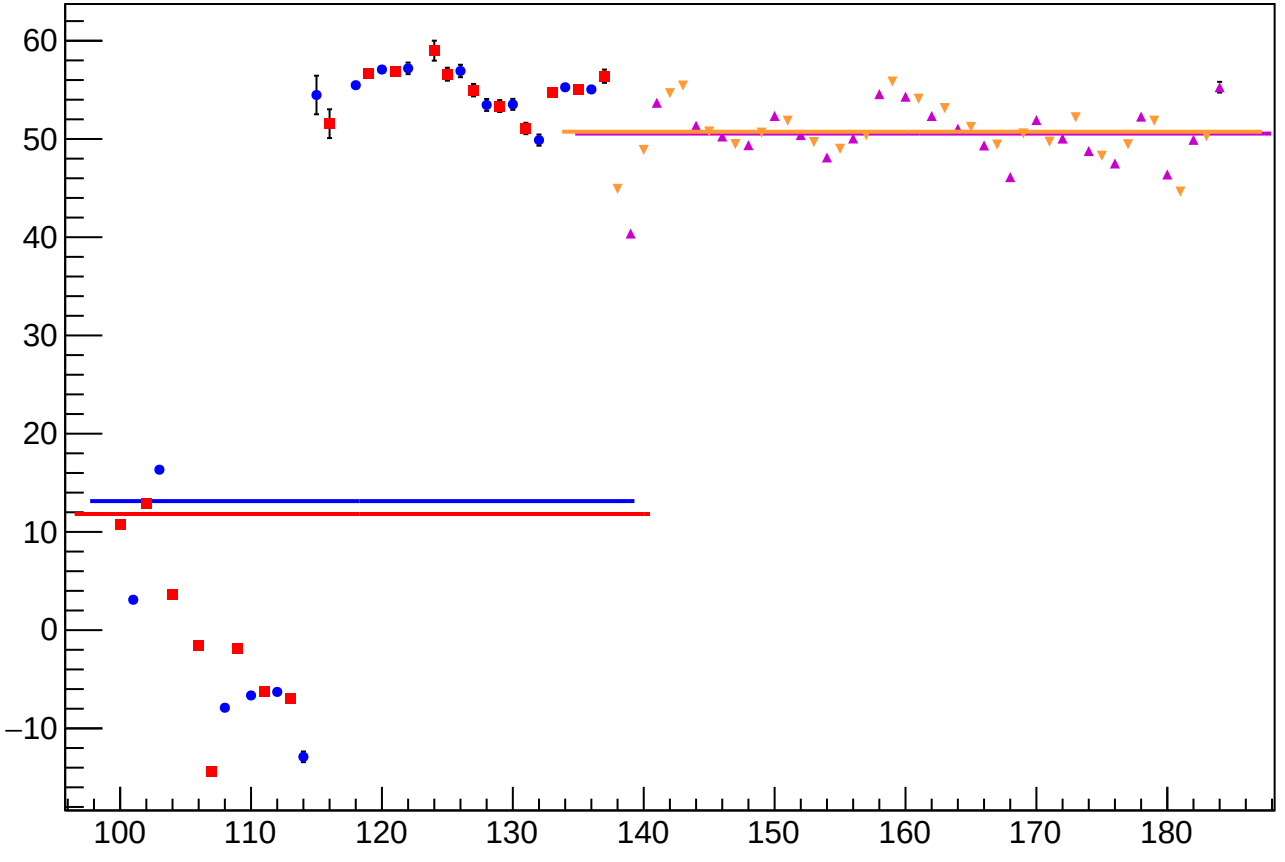
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.619+/-0.043 χ^2/NDF: 12804.9/39

All: 1.142+/-0.030 χ^2/NDF: 25671.1/81

- sign 0.651+/-0.043 χ^2/NDF: 12614.1/41

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

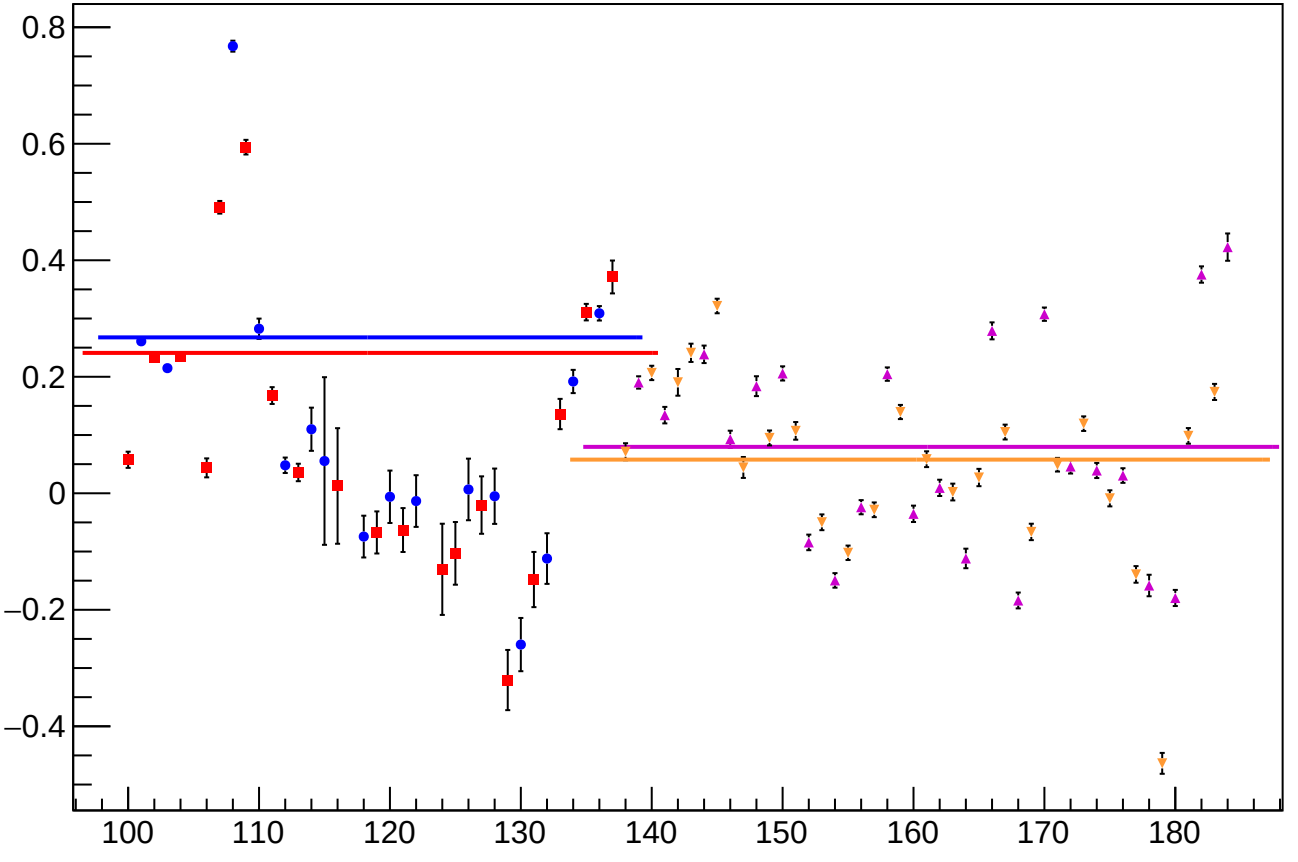
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.371+/-0.046 χ^2/NDF: 275152.7/39

All: 32.737+/-0.033 χ^2/NDF: 565890.0/81

- sign 32.085+/-0.047 χ^2/NDF: 290355.0/41

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

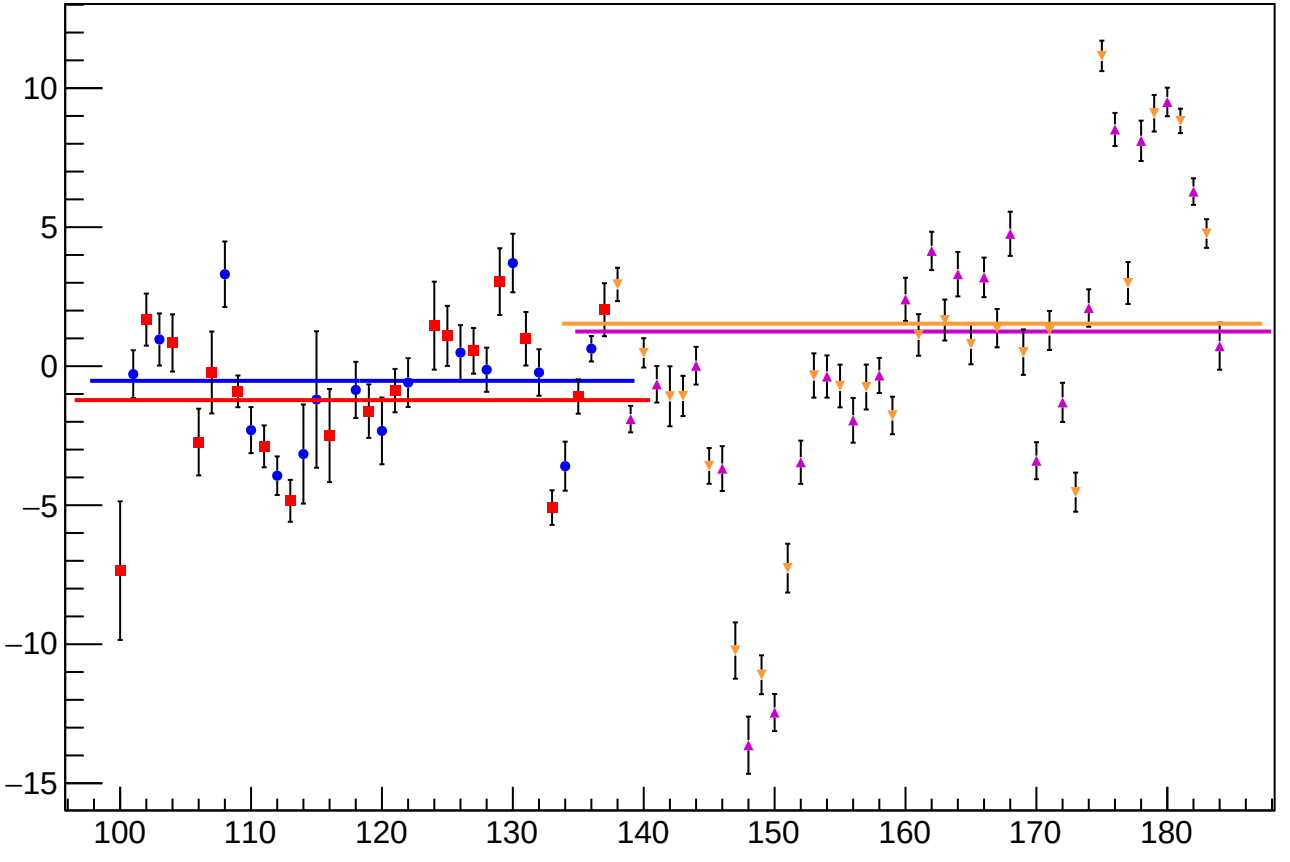
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.164+/-0.002 χ^2/NDF: 8894.6/39

All: 0.163+/-0.001 χ^2/NDF: 16355.1/81

- sign 0.163+/-0.002 χ^2/NDF: 7460.3/41

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

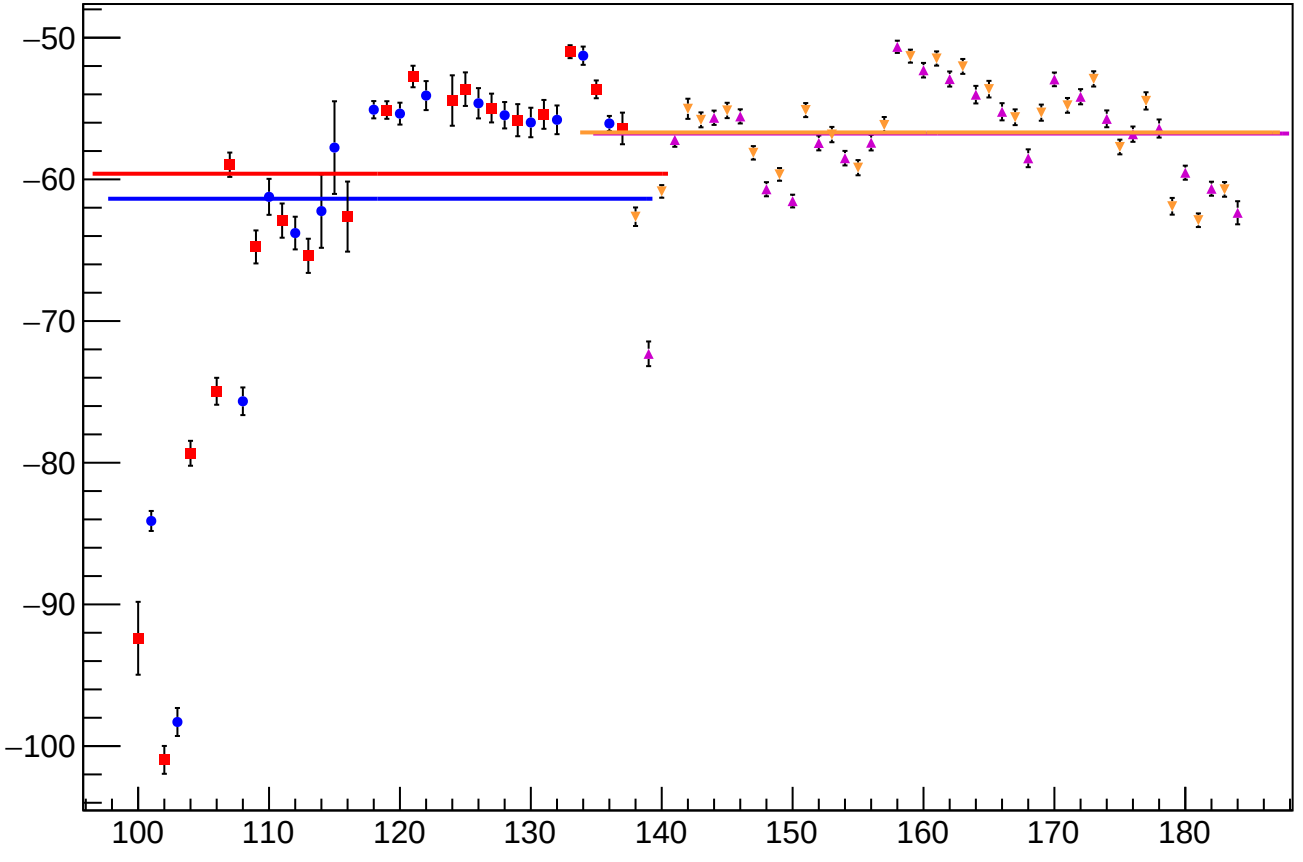
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.936+/-0.117 χ^2/NDF: 1683.5/39

All: 0.695+/-0.082 χ^2/NDF: 3434.3/81

- sign 0.456+/-0.116 χ^2/NDF: 1742.2/41

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

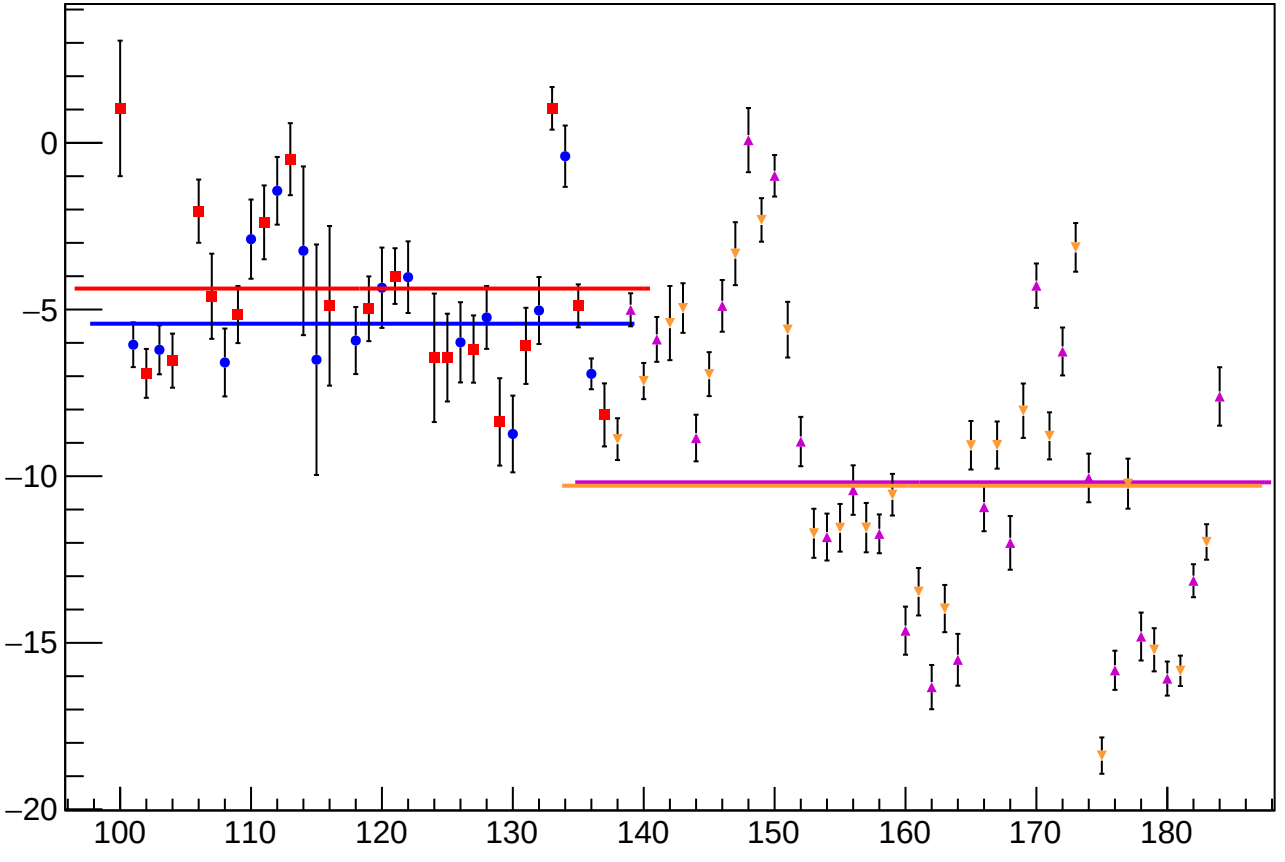
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -57.603+/-0.097 χ^2/NDF: 4732.7/39

All: -57.507+/-0.069 χ^2/NDF: 9410.5/81

- sign -57.409+/-0.098 χ^2/NDF: 4675.8/41

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

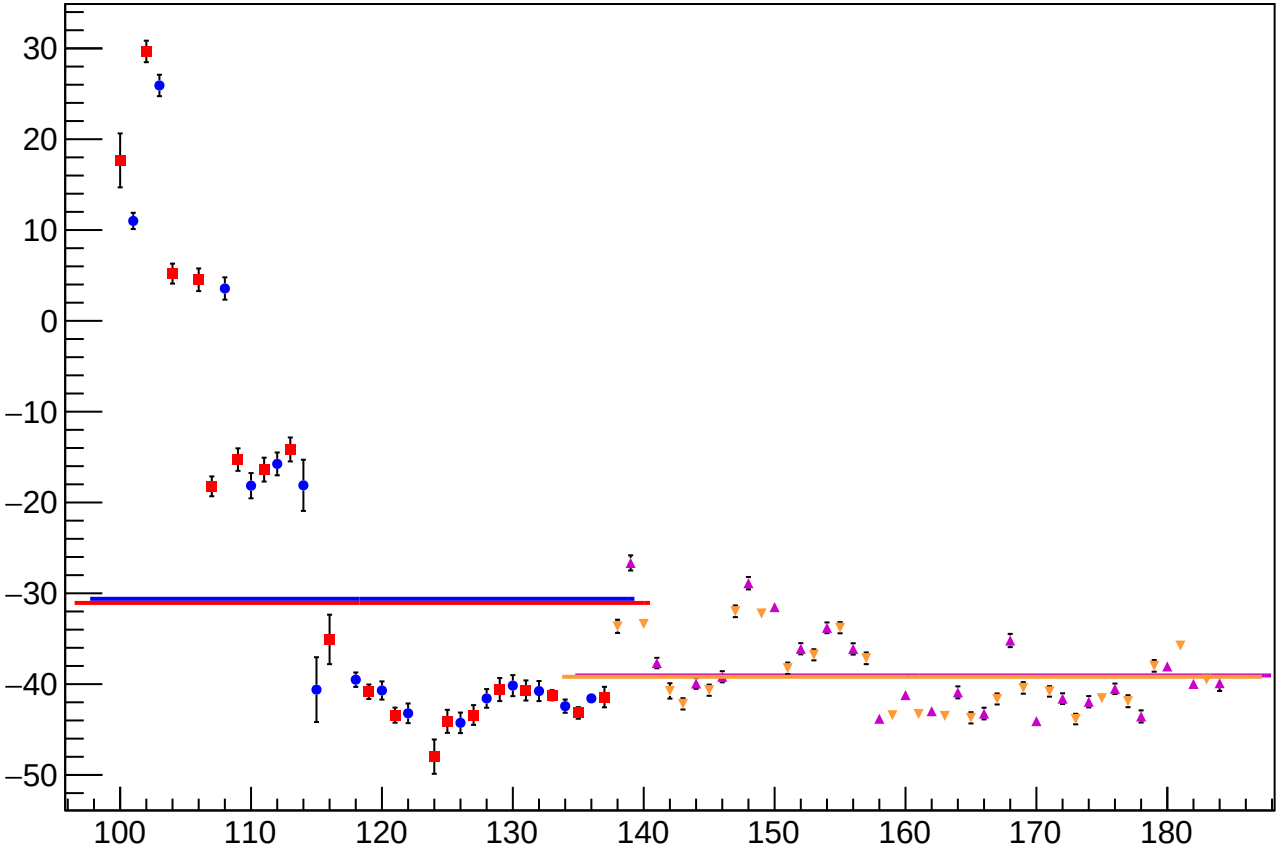
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -9.008+/-0.118 χ^2/NDF: 1382.1/39

All: -8.779+/-0.083 χ^2/NDF: 3179.6/81

- sign -8.550+/-0.118 χ^2/NDF: 1790.0/41

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

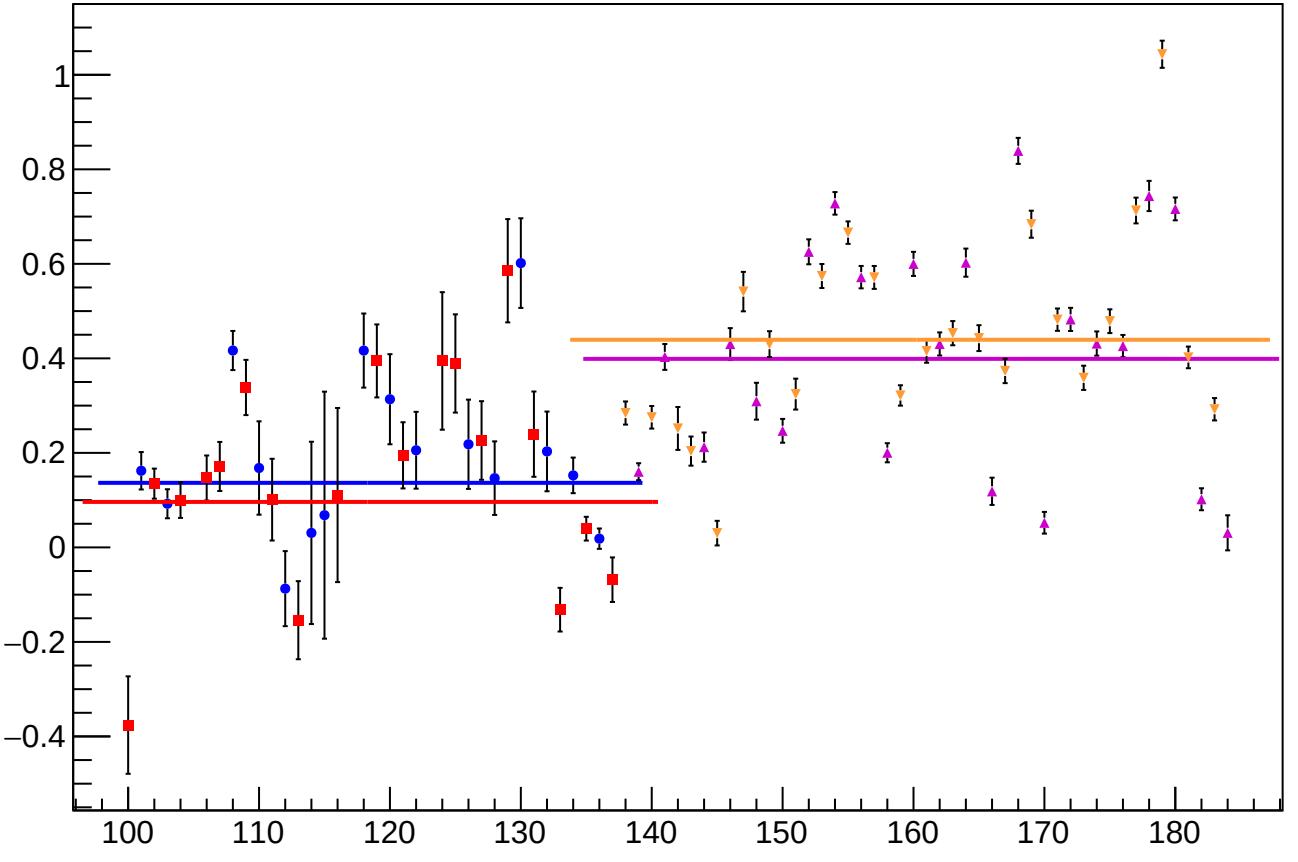
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -37.552+/-0.109 χ^2/NDF: 8930.7/39

All: -37.443+/-0.077 χ^2/NDF: 18022.2/81

- sign -37.331+/-0.110 χ^2/NDF: 9089.4/41

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

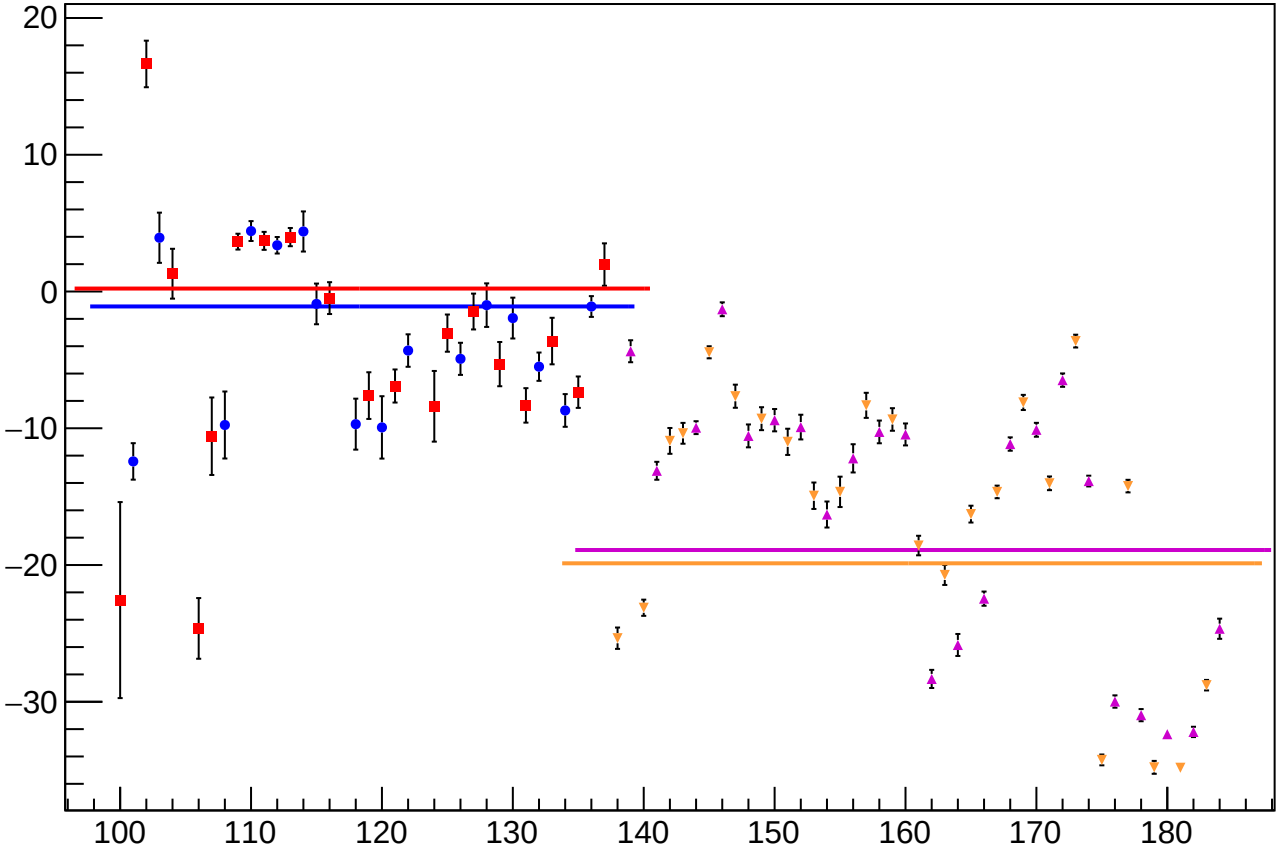
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.392+/-0.005 χ^2/NDF: 1912.4/39

All: 0.372+/-0.003 χ^2/NDF: 4525.4/81

- sign 0.351+/-0.005 χ^2/NDF: 2578.0/41

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

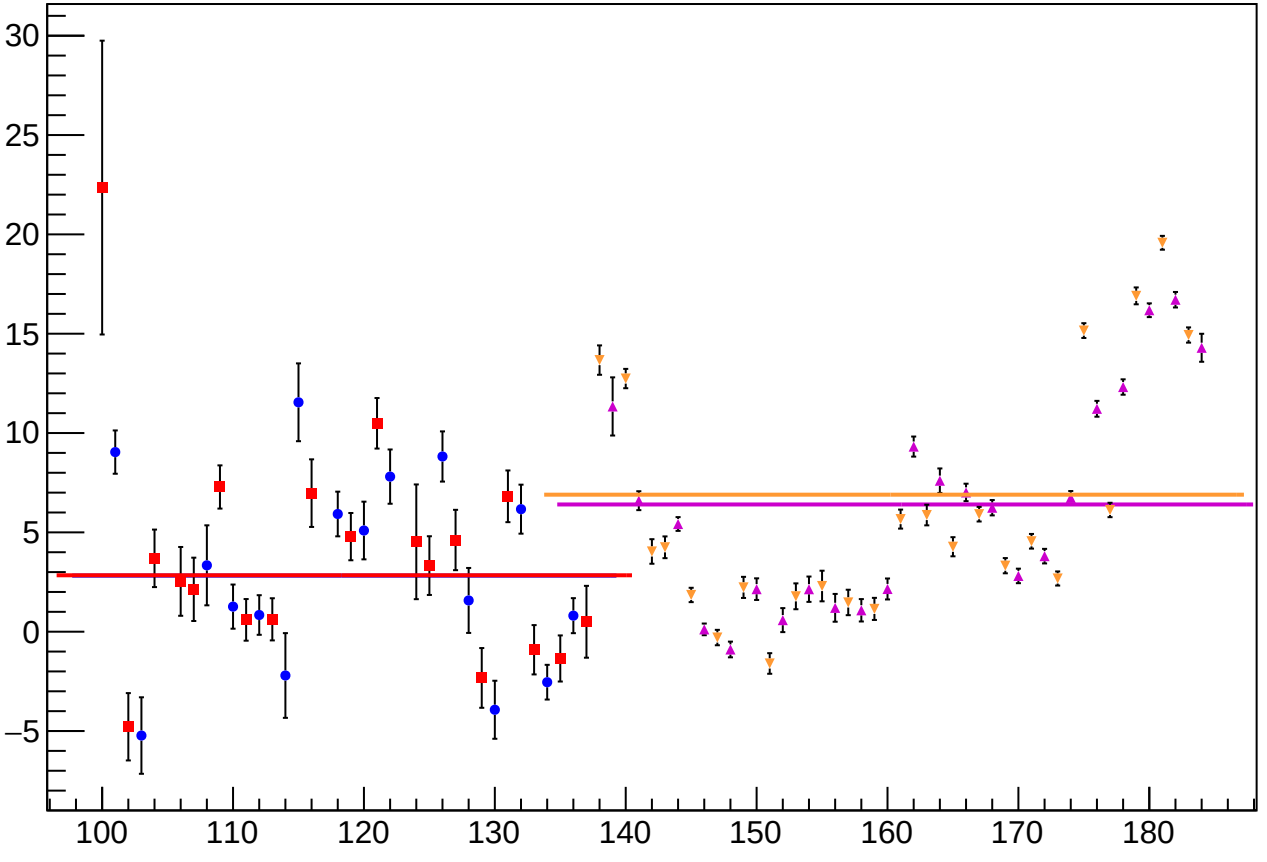
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -17.184+/-0.106 χ^2/NDF: 13679.3/39

All: -16.516+/-0.075 χ^2/NDF: 26899.2/81

- sign -15.844+/-0.106 χ^2/NDF: 13140.6/41

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

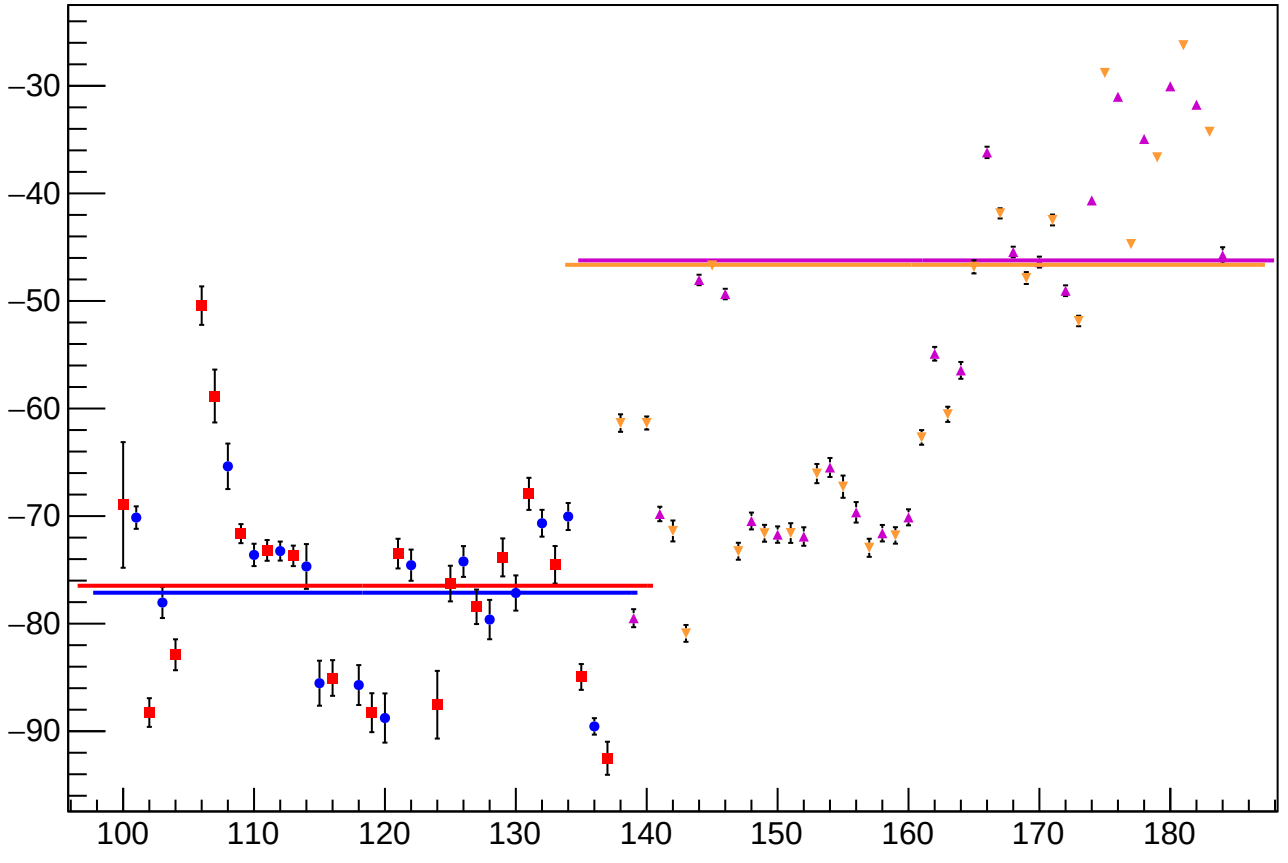
Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.580+/-0.087 χ^2/NDF: 4919.0/39

All: 6.361+/-0.062 χ^2/NDF: 8600.2/81

- sign 6.140+/-0.088 χ^2/NDF: 3668.6/41



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

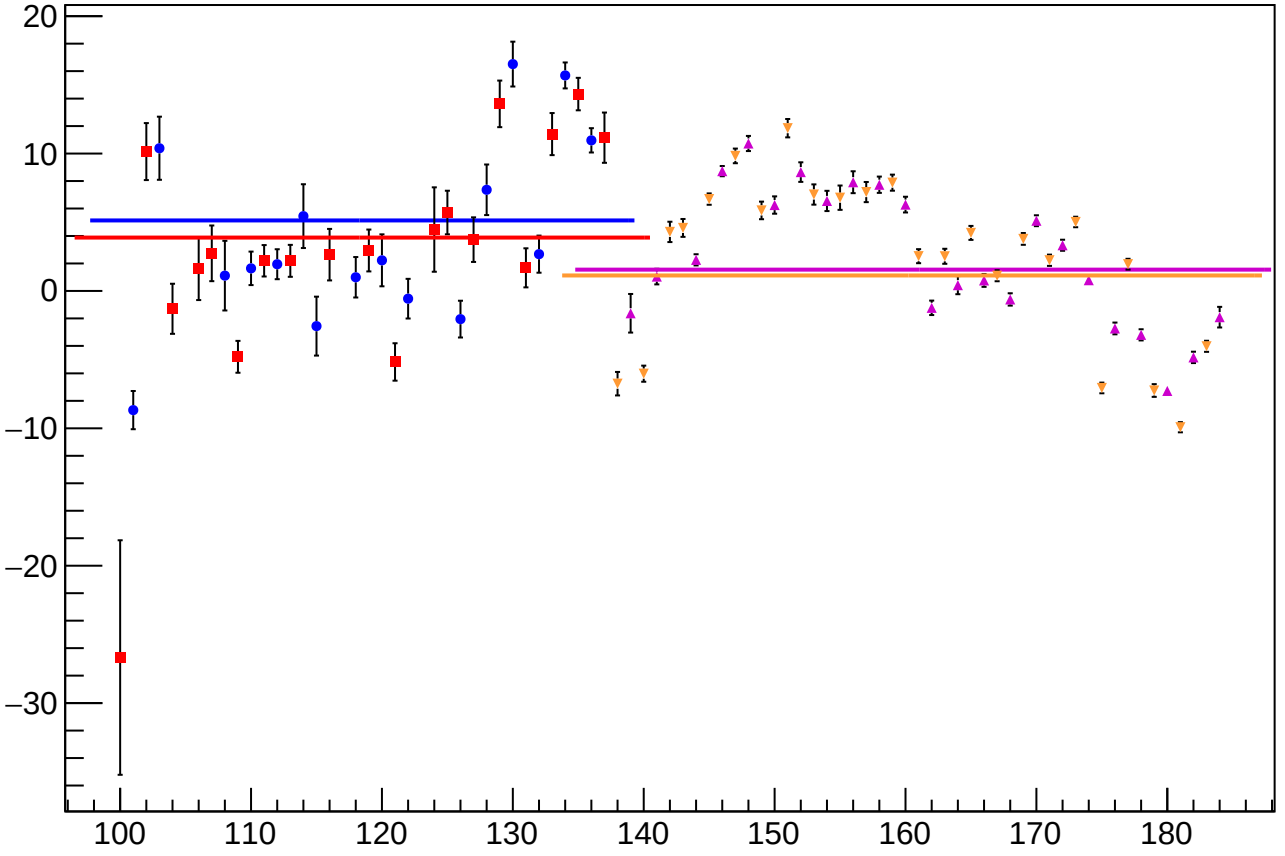
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.019+/-0.109 χ^2/NDF: 26041.1/39

All: -49.810+/-0.077 χ^2/NDF: 49447.1/81

- sign -49.598+/-0.110 χ^2/NDF: 23398.6/41

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

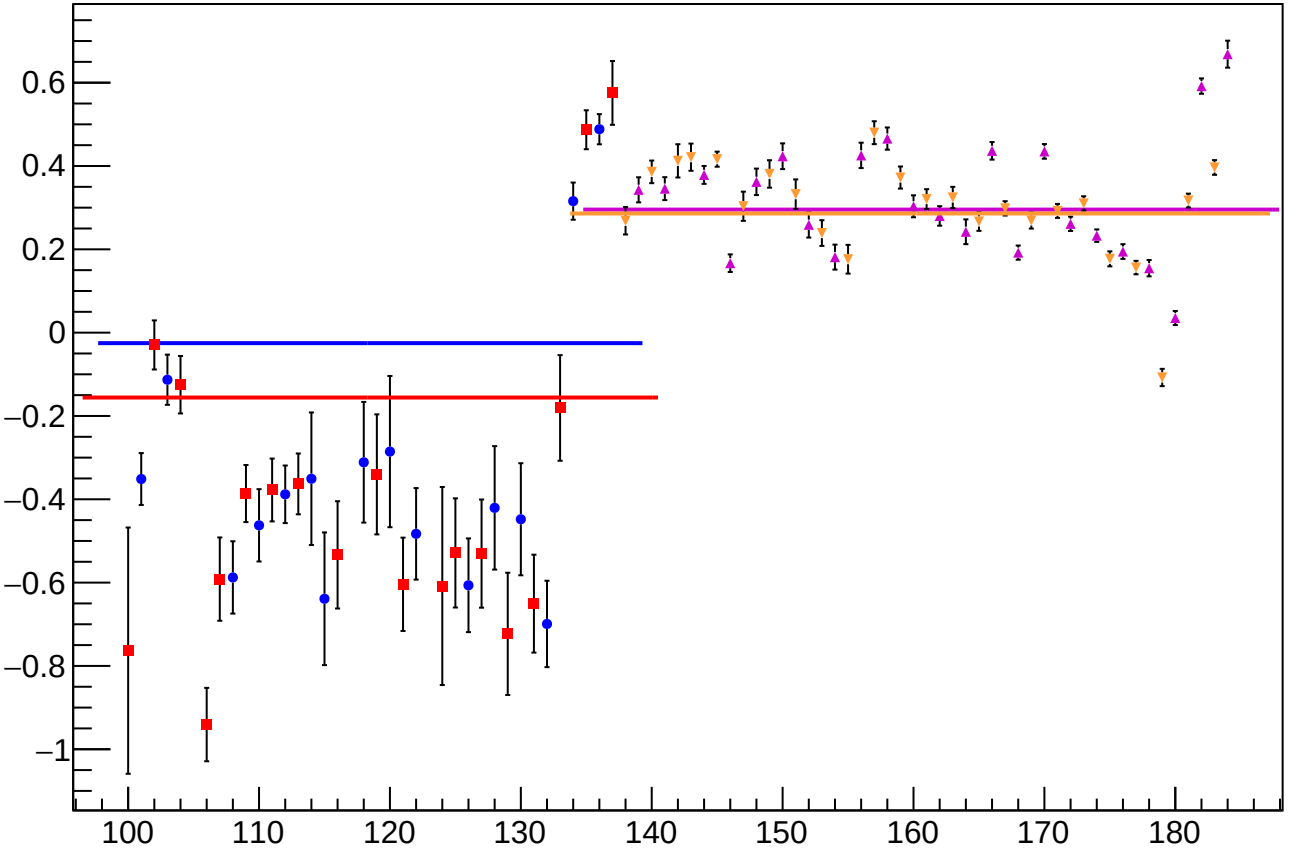
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.438+/-0.098 χ^2/NDF: 3902.1/39

All: 1.580+/-0.069 χ^2/NDF: 6572.1/81

- sign 1.723+/-0.098 χ^2/NDF: 2665.8/41

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

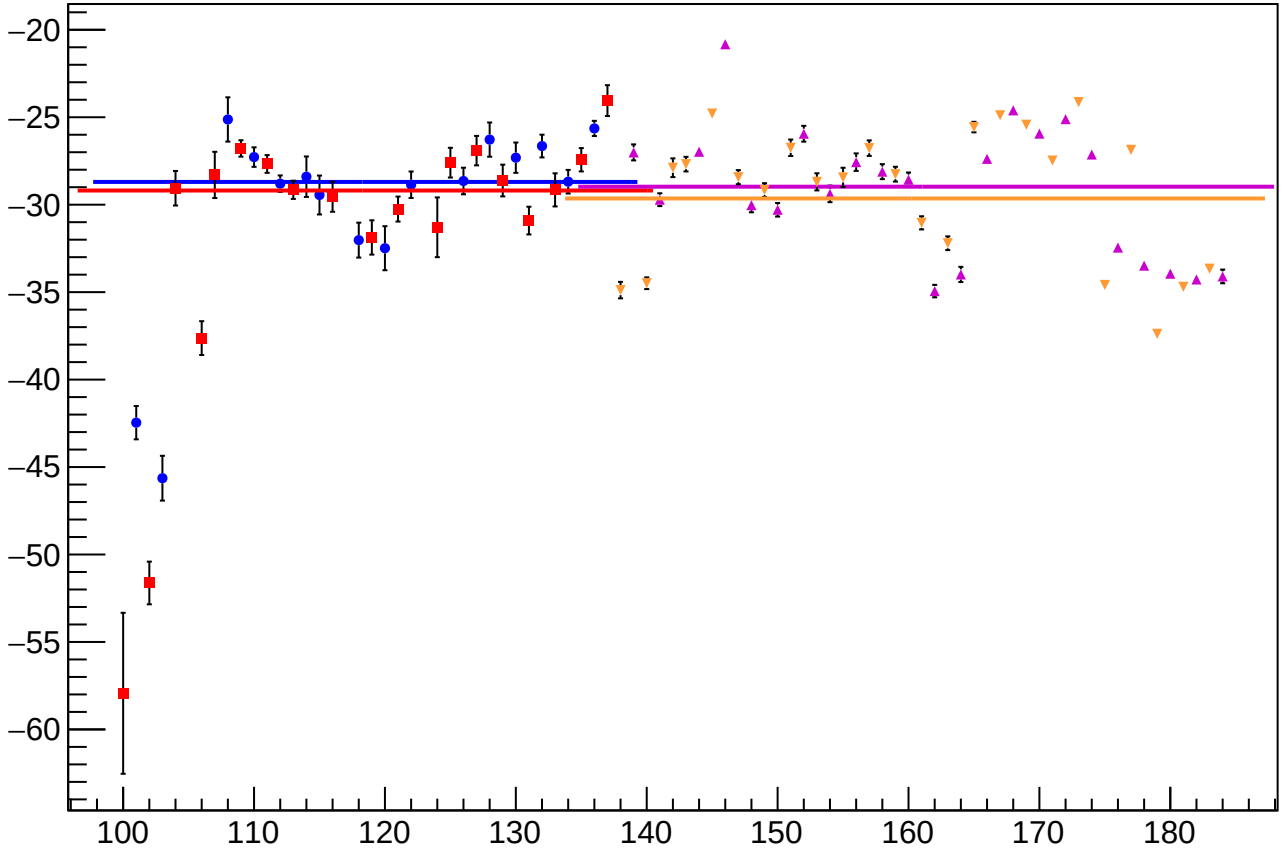
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.269+/-0.004 χ^2/NDF: 1456.8/39

All: 0.271+/-0.003 χ^2/NDF: 3461.5/81

- sign 0.273+/-0.004 χ^2/NDF: 2004.2/41

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

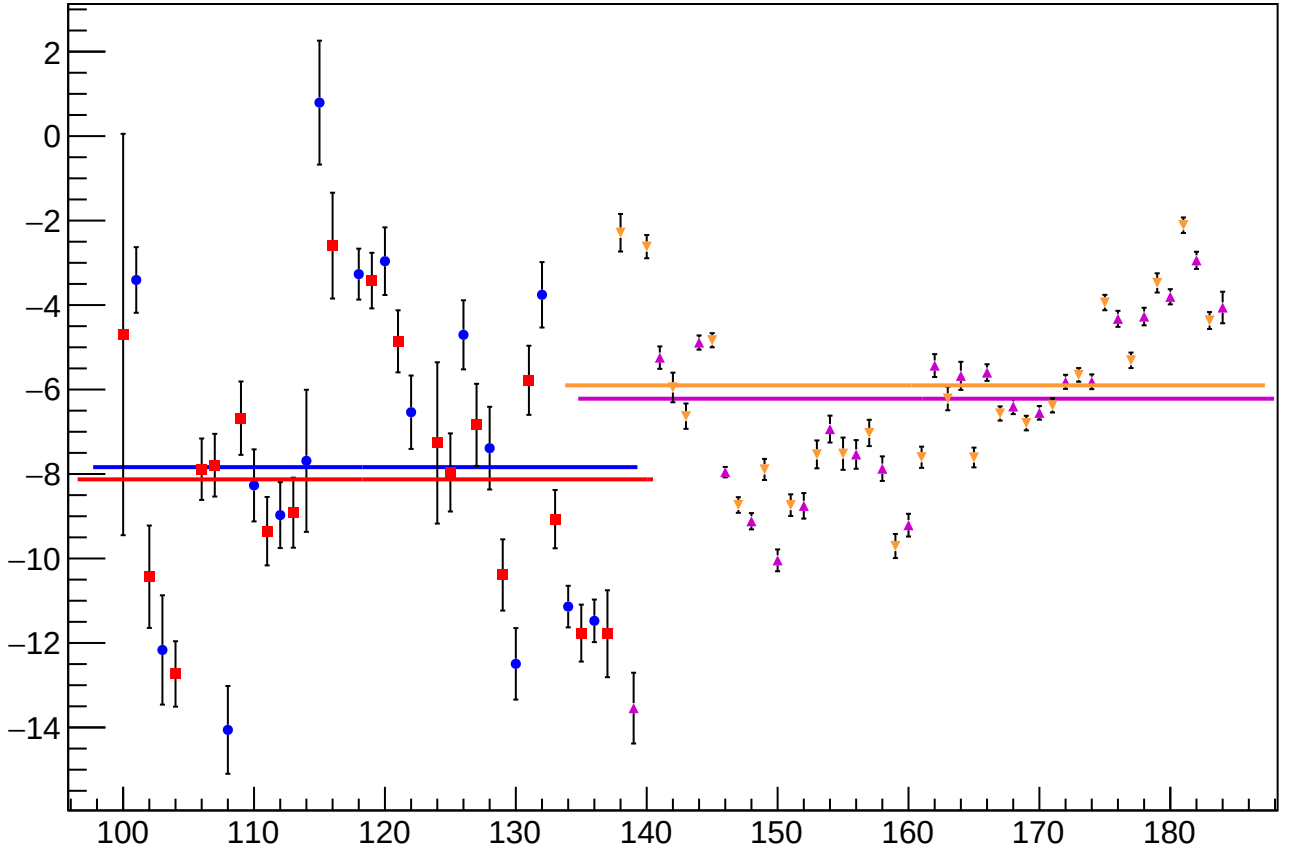
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.562+/-0.055 χ^2/NDF: 6391.3/39

All: -29.276+/-0.038 χ^2/NDF: 12353.6/81

- sign -28.990+/-0.054 χ^2/NDF: 5907.2/41

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

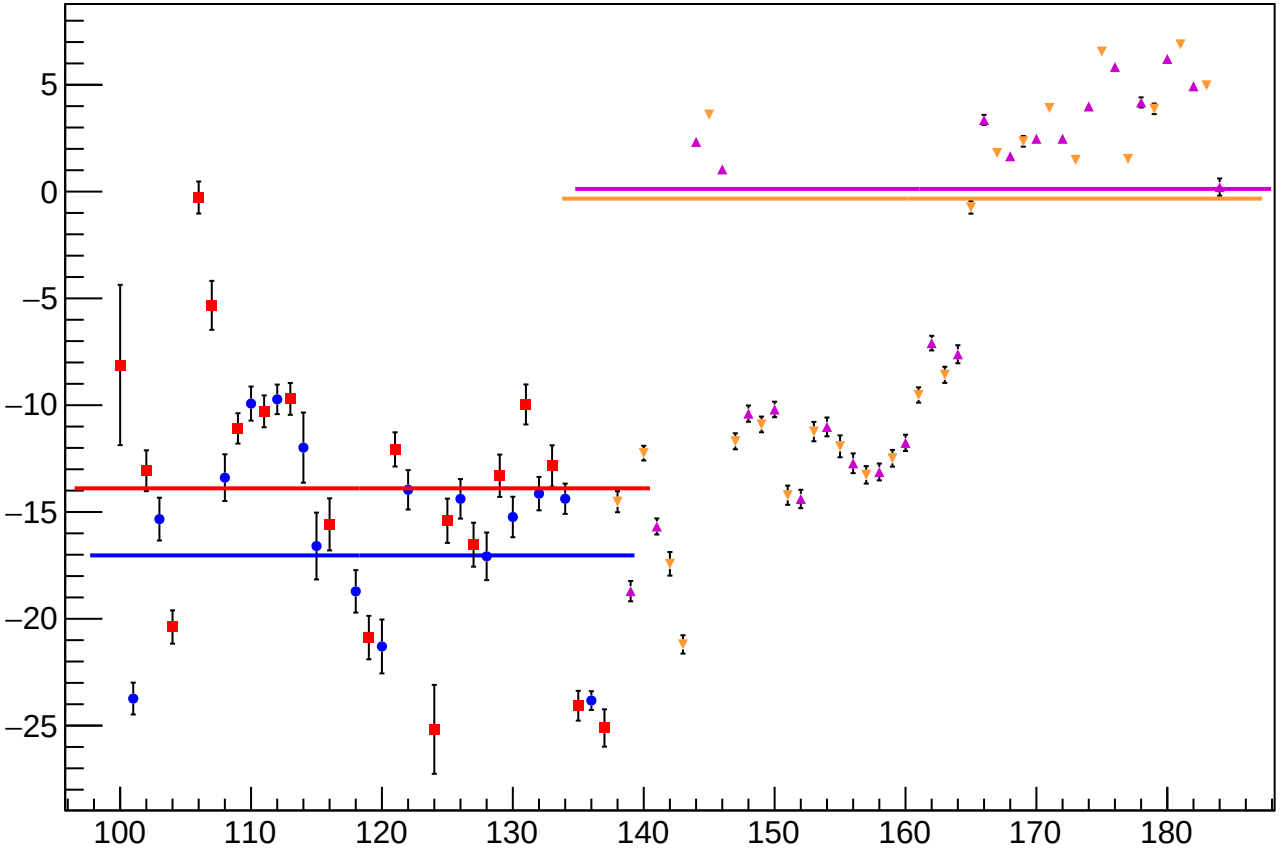
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -5.999+/-0.044 χ^2/NDF: 2262.3/39

All: -6.156+/-0.031 χ^2/NDF: 4316.6/81

- sign -6.309+/-0.043 χ^2/NDF: 2028.9/41

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

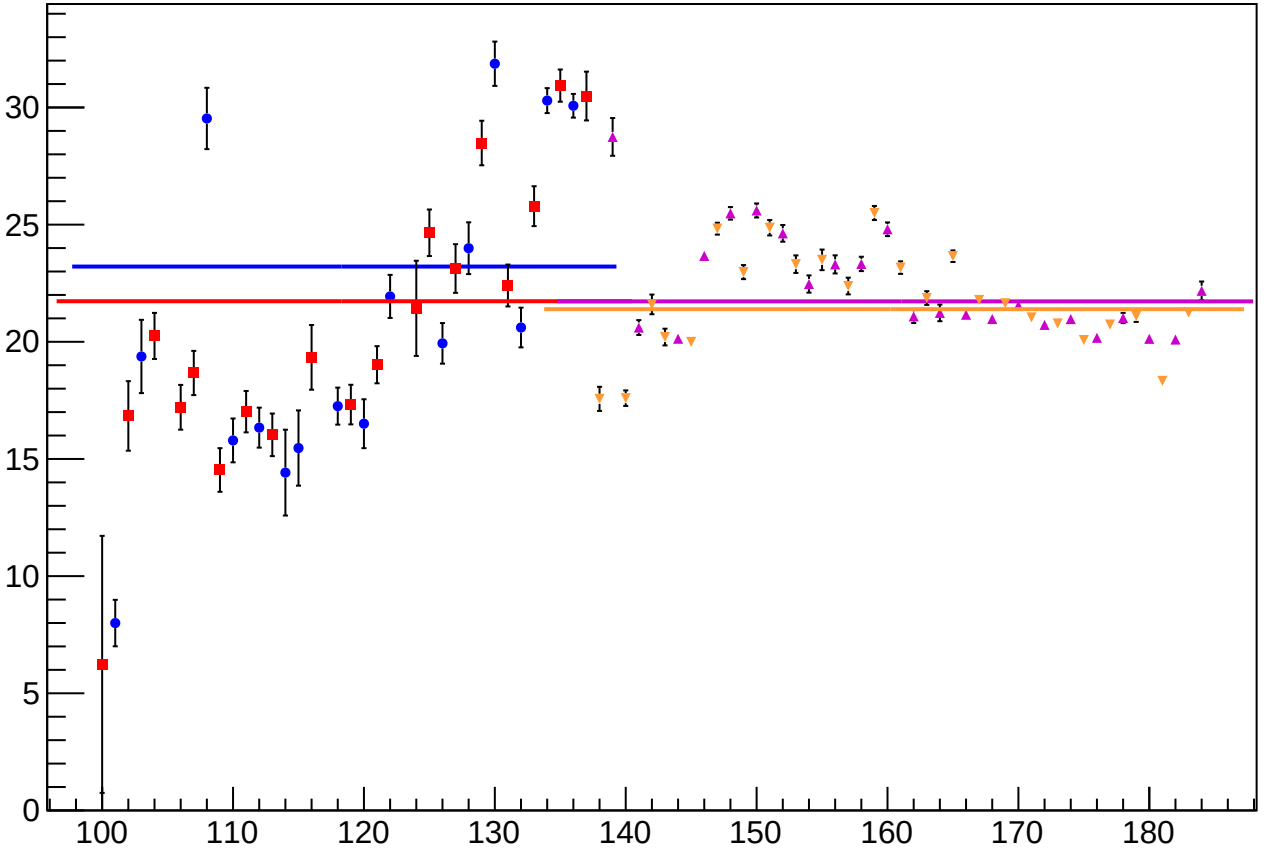
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.489+/-0.055 χ^2/NDF: 23698.4/39

All: -1.165+/-0.039 χ^2/NDF: 42797.9/81

- sign -0.843+/-0.055 χ^2/NDF: 19030.6/41

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

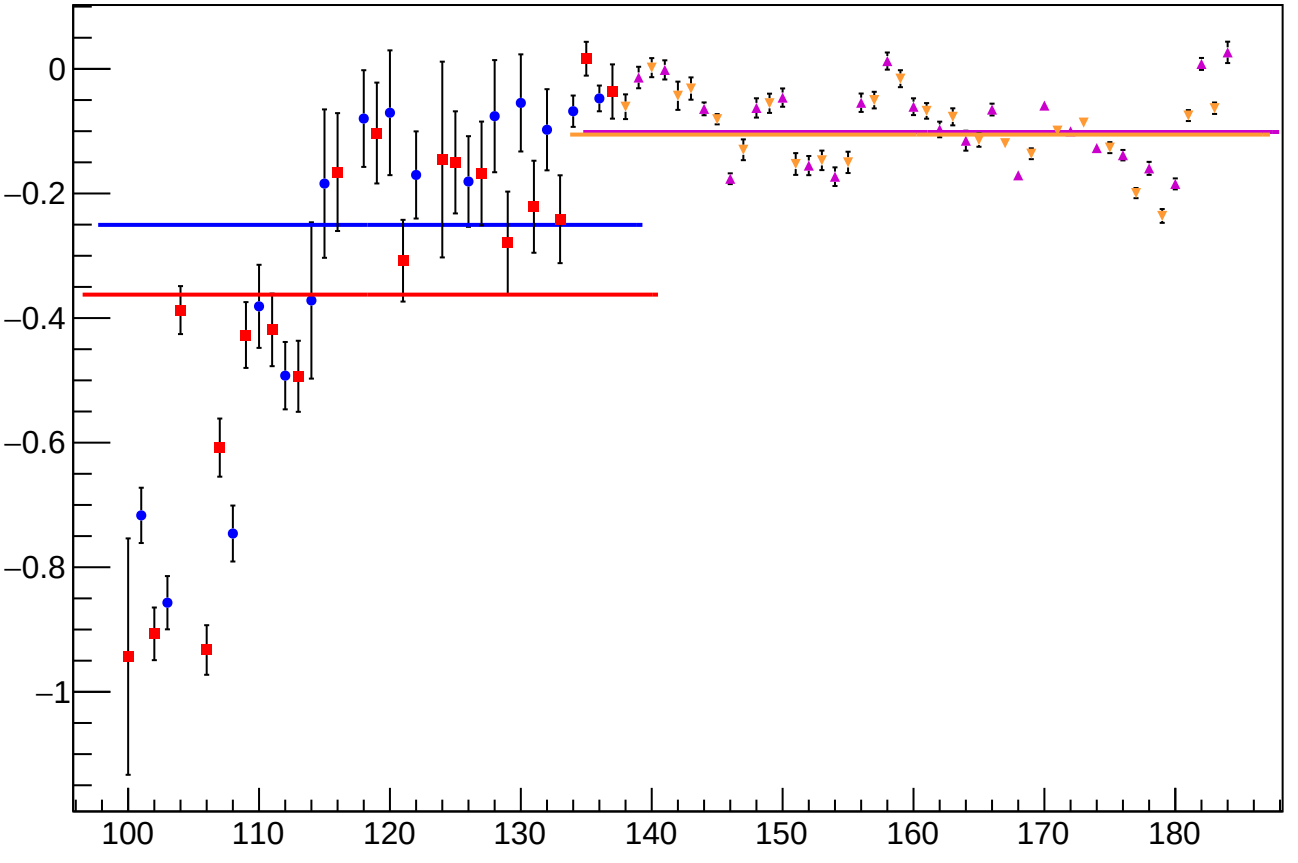
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.484+/-0.049 χ^2/NDF: 2347.4/39

All: 21.606+/-0.034 χ^2/NDF: 4091.7/81

- sign 21.726+/-0.048 χ^2/NDF: 1731.9/41

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

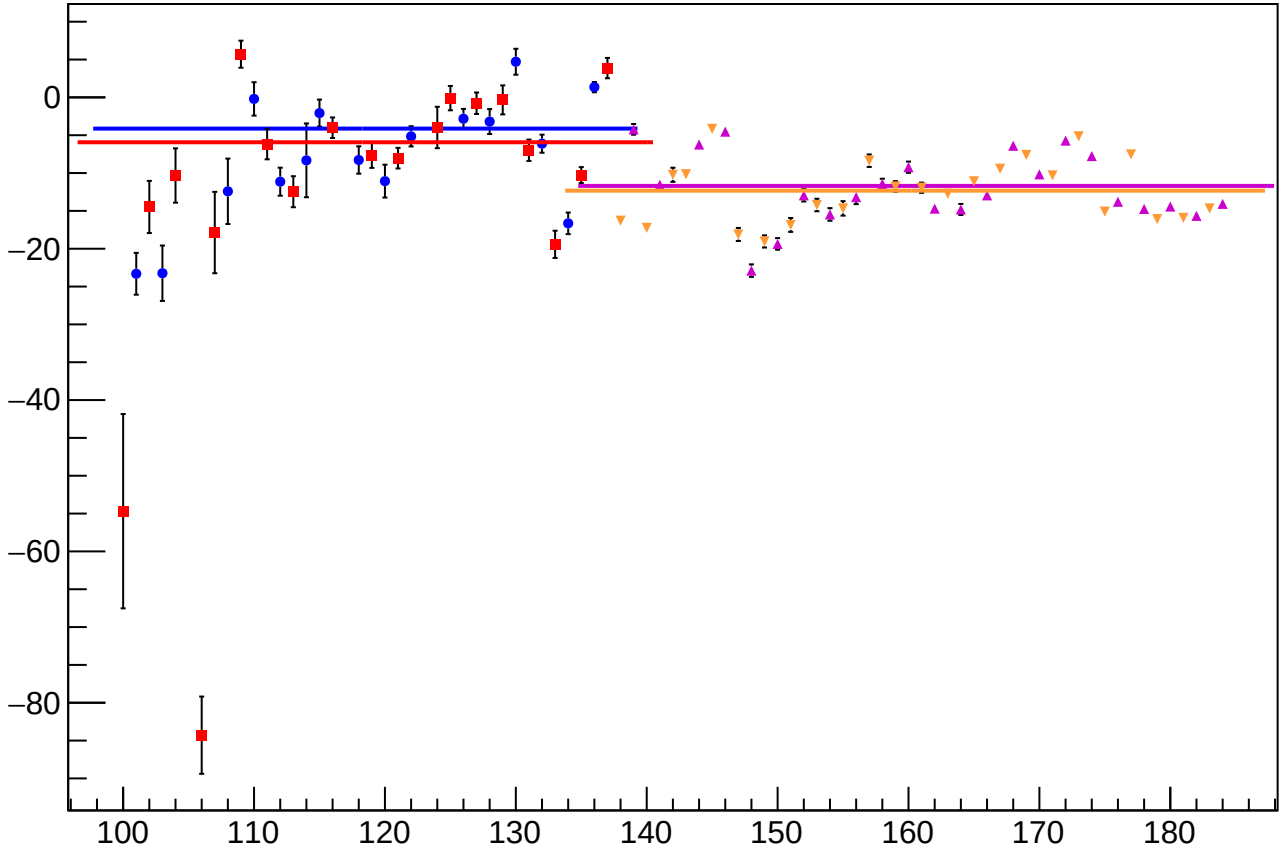
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1311.3/39

All: -0.110+/-0.002 χ^2/NDF: 3206.2/81

- sign -0.110+/-0.002 χ^2/NDF: 1894.8/41

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

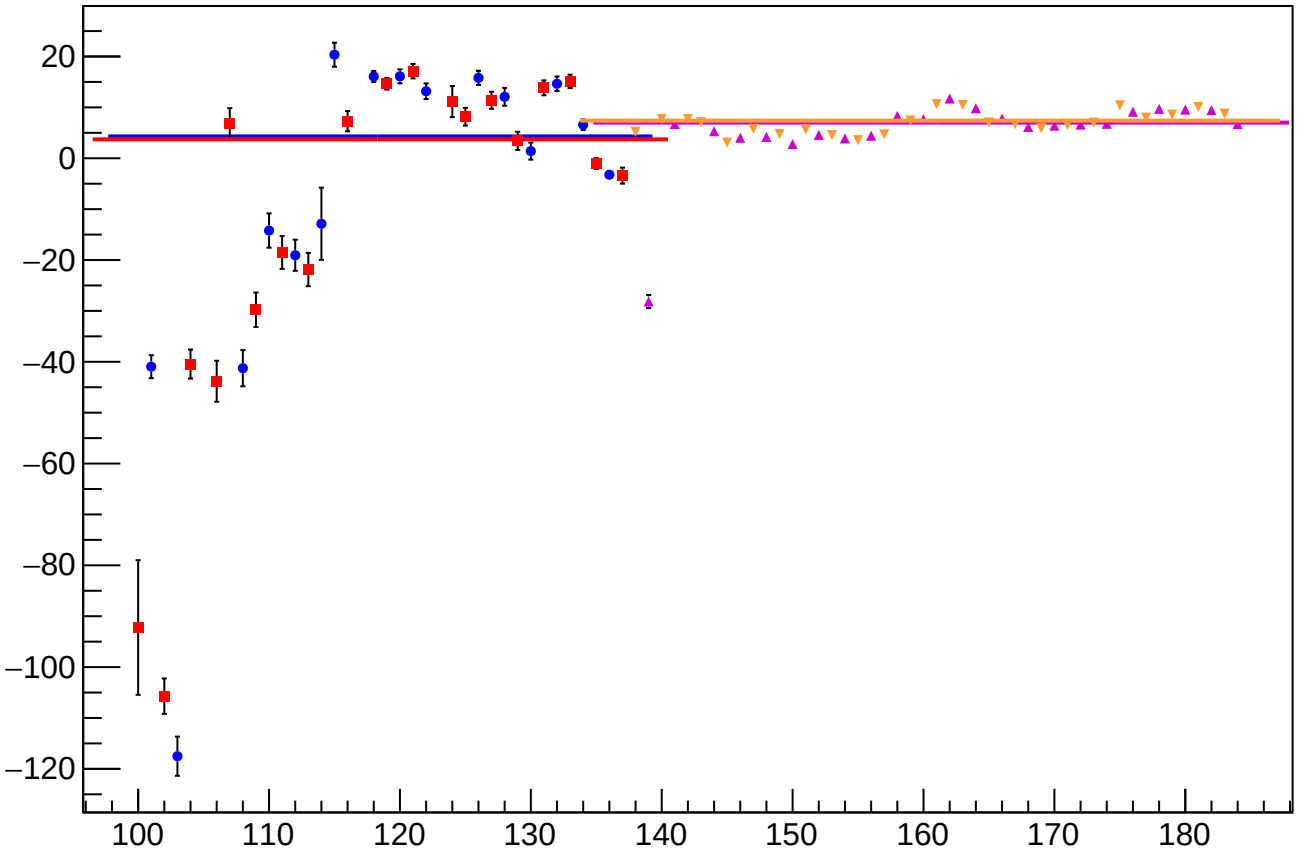
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

\+ sign -11.868+/-0.090 χ^2/NDF: 2717.6/39

All: -11.641+/-0.064 χ^2/NDF: 5354.2/81

\- sign -11.405+/-0.092 χ^2/NDF: 2623.6/41



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

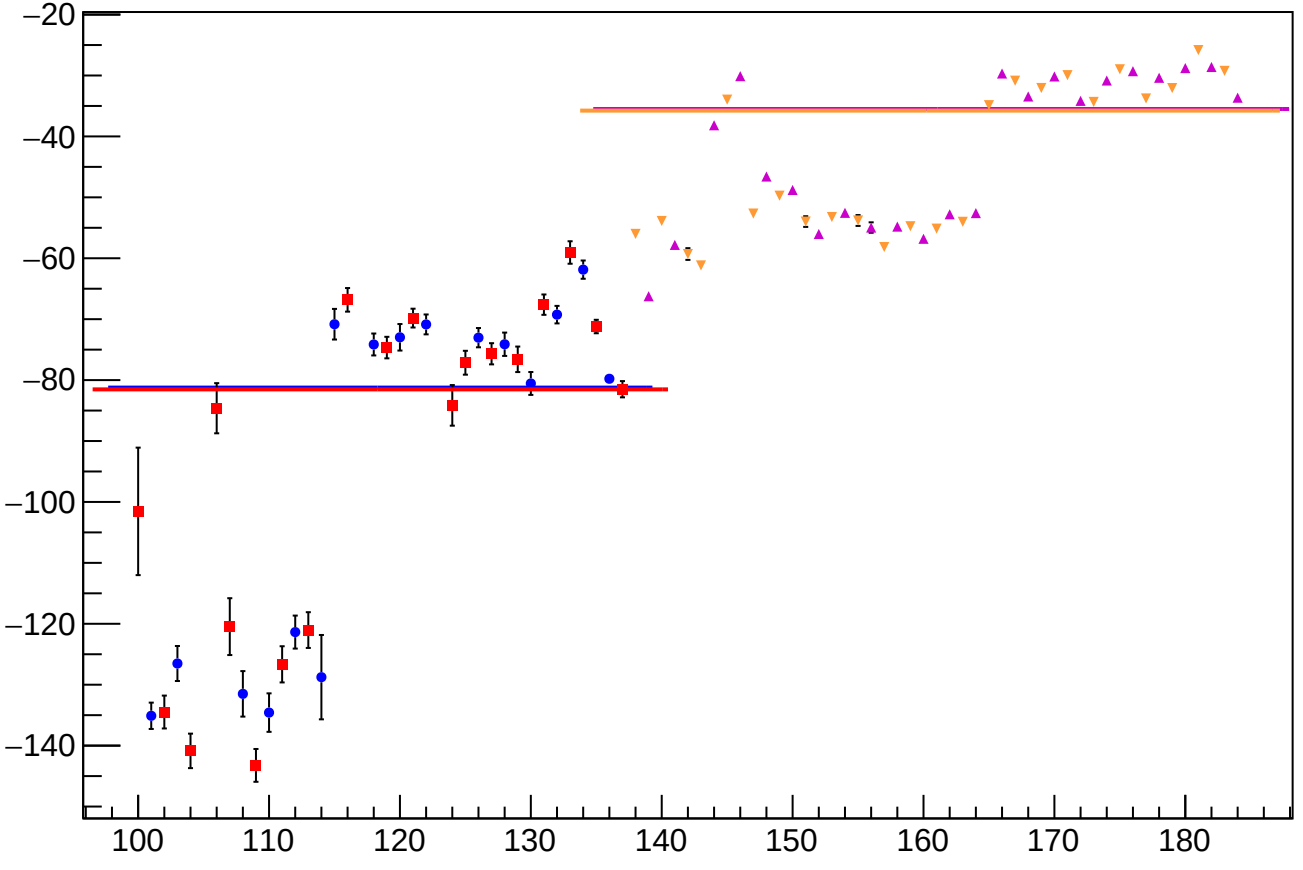
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.280+/-0.075 χ^2/NDF: 2989.7/39

All: 7.091+/-0.053 χ^2/NDF: 6644.5/81

- sign 6.901+/-0.075 χ^2/NDF: 3641.9/41

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

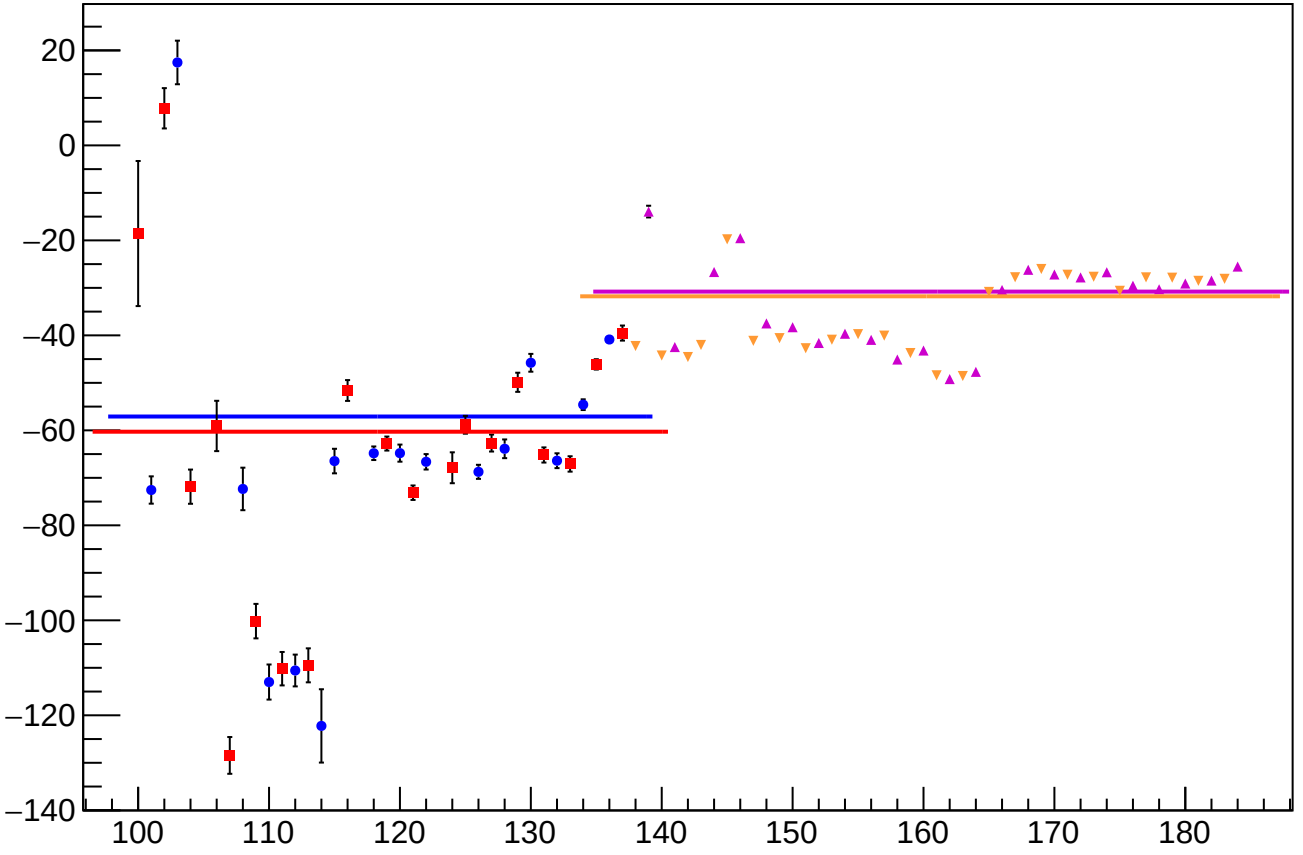
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -37.942+/-0.091 χ^2/NDF: 26054.4/39

All: -37.651+/-0.065 χ^2/NDF: 49071.7/81

- sign -37.351+/-0.093 χ^2/NDF: 22996.7/41

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

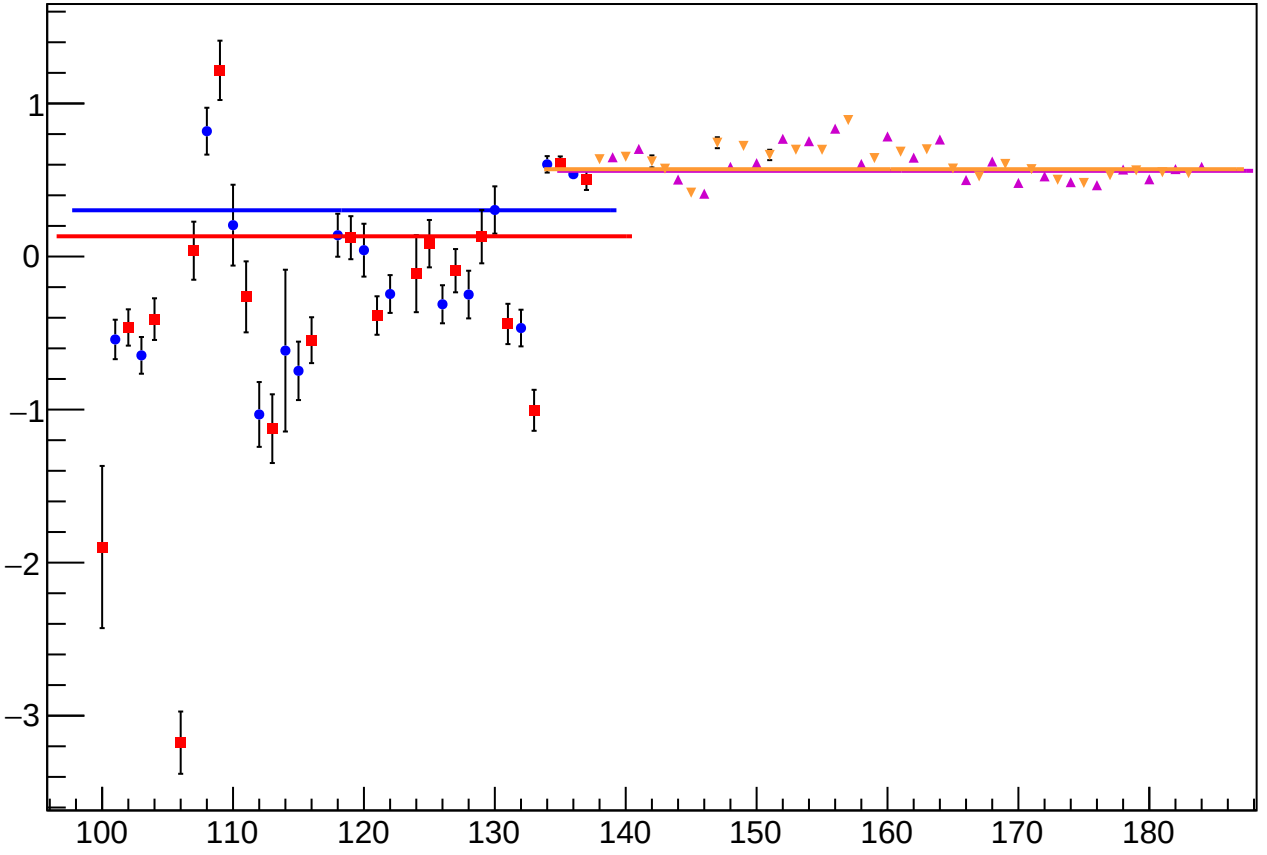
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.727+/-0.082 χ^2/NDF: 13052.3/39

All: -32.221+/-0.058 χ^2/NDF: 26080.8/81

- sign -31.708+/-0.083 χ^2/NDF: 12952.6/41

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

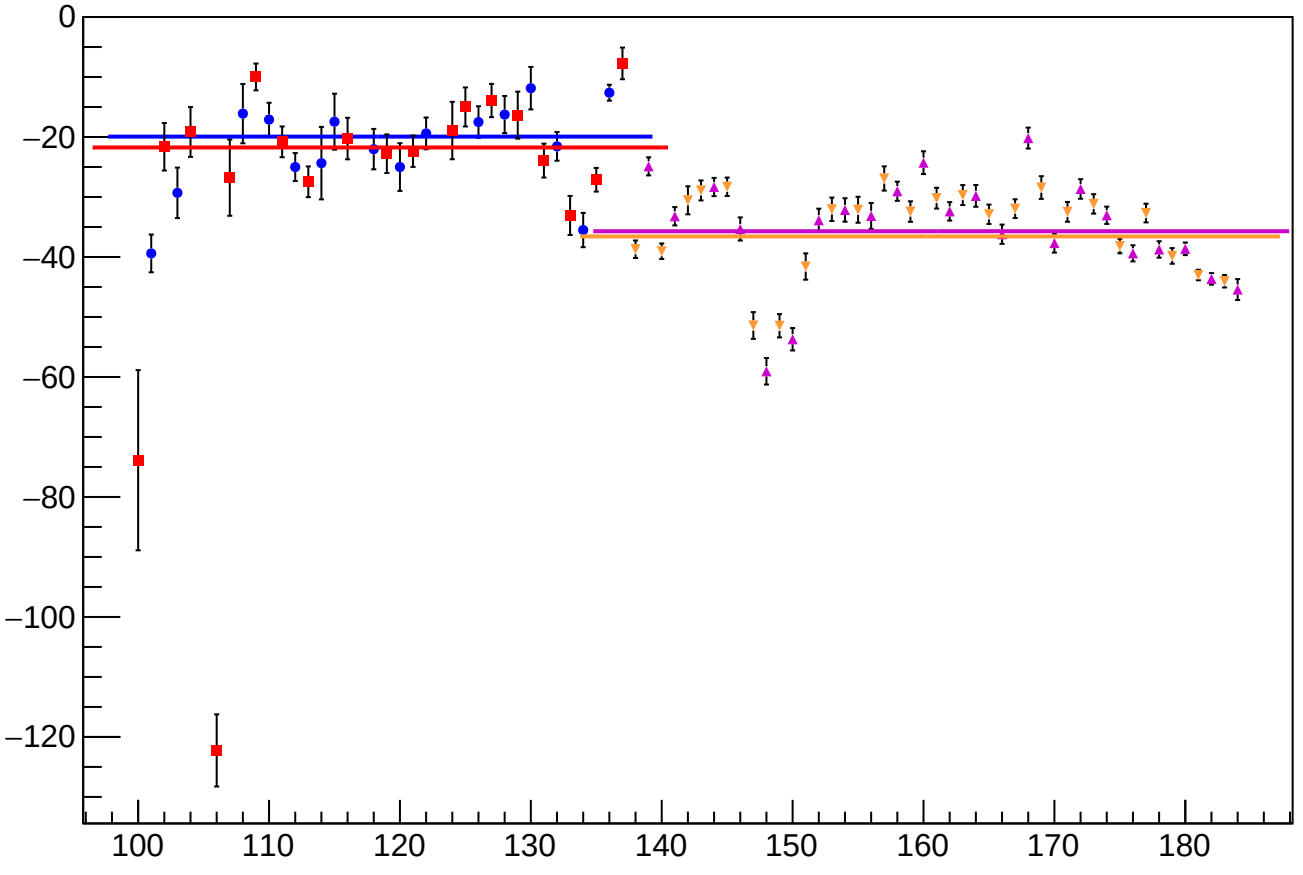
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.564+/-0.004 χ^2/NDF: 1051.8/39

All: 0.558+/-0.003 χ^2/NDF: 2656.5/81

- sign 0.551+/-0.004 χ^2/NDF: 1599.3/41

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

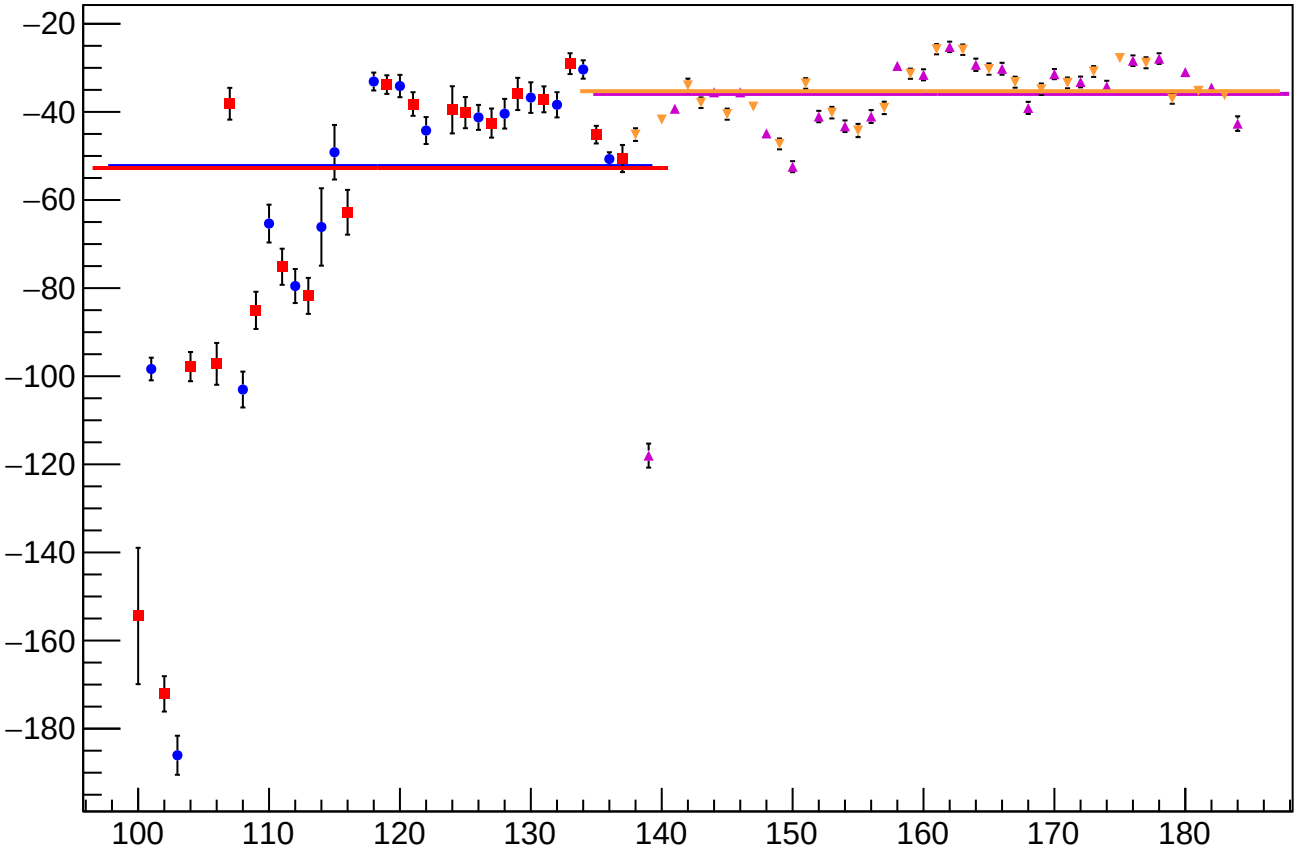
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.758+/-0.286 χ^2/NDF: 1005.8/39

All: -33.551+/-0.205 χ^2/NDF: 2291.4/81

- sign -33.331+/-0.294 χ^2/NDF: 1284.5/41

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

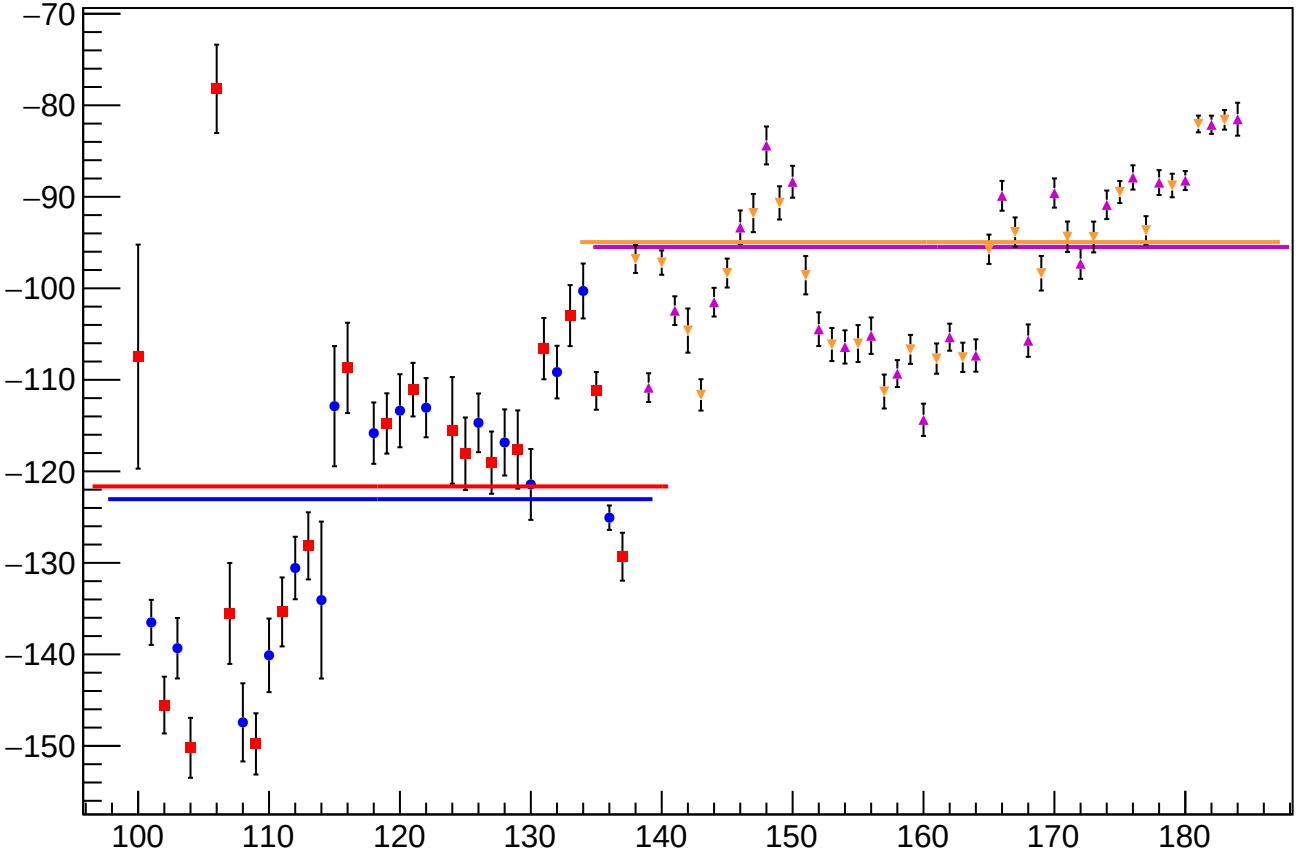
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

\+ sign -37.138+/-0.233 χ^2/NDF: 2809.0/39

All: -37.397+/-0.168 χ^2/NDF: 6469.7/81

\- sign -37.678+/-0.242 χ^2/NDF: 3658.2/41

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

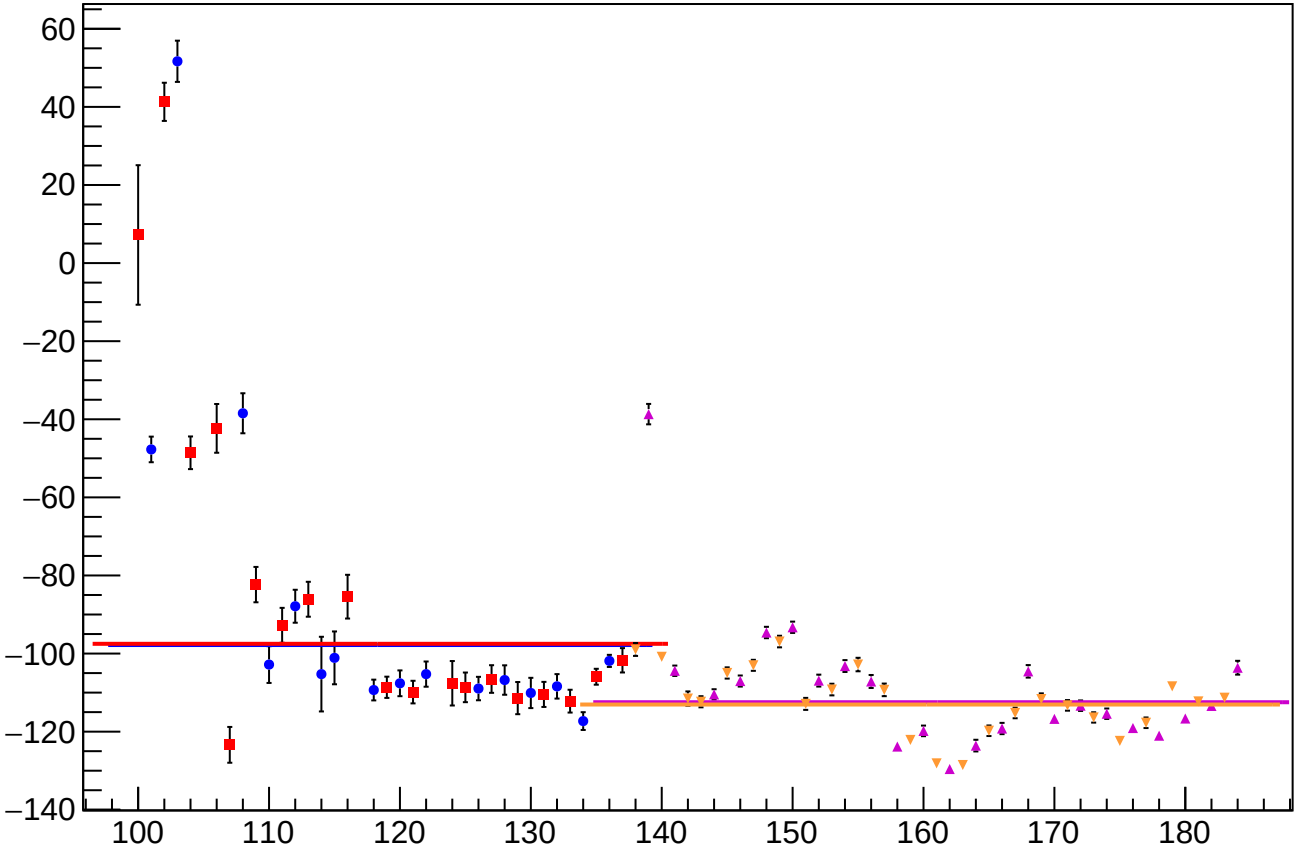
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.109+/-0.289 χ^2/NDF: 2277.9/39

All: -99.110+/-0.207 χ^2/NDF: 4590.7/81

- sign -99.110+/-0.298 χ^2/NDF: 2312.8/41

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

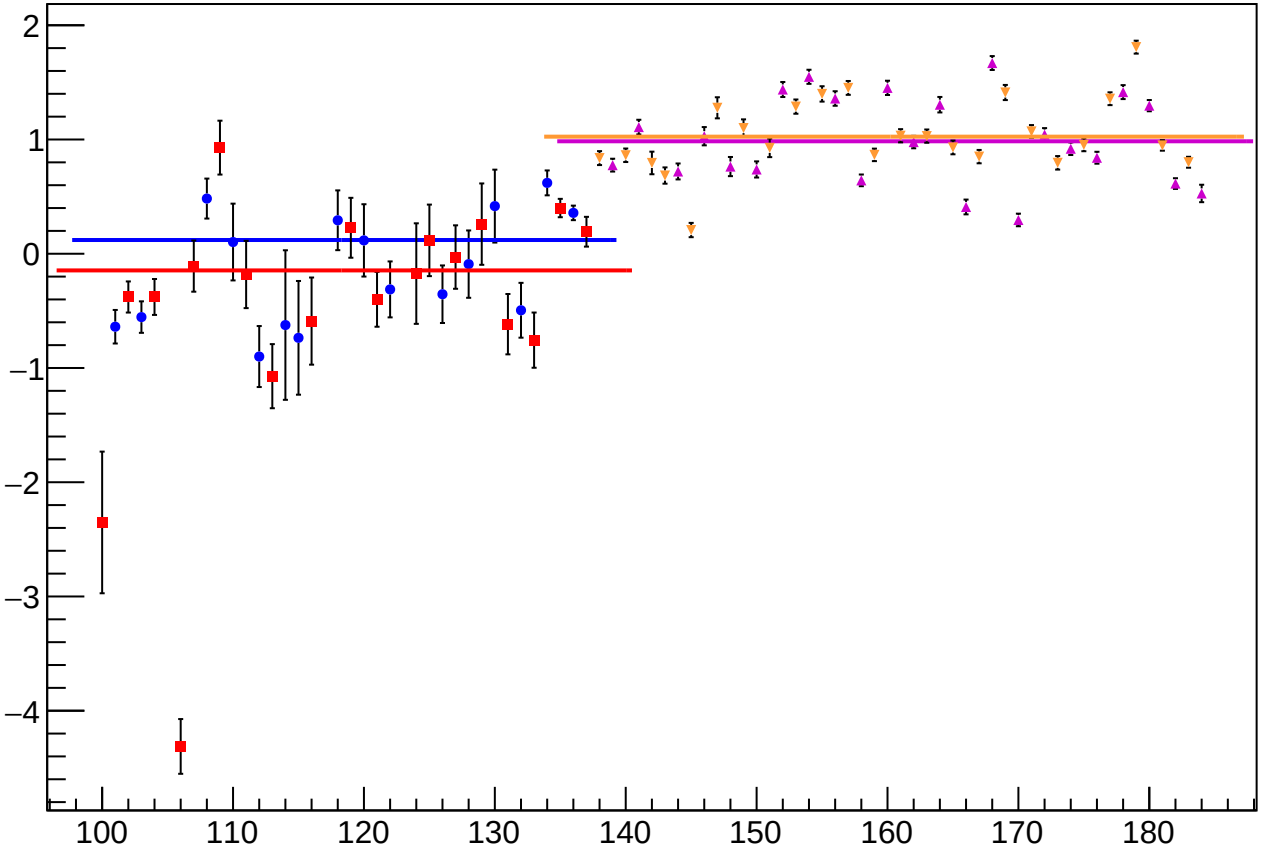
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -111.397+/-0.261 χ^2/NDF: 2551.4/39

All: -111.171+/-0.188 χ^2/NDF: 5860.9/81

- sign -110.931+/-0.270 χ^2/NDF: 3307.9/41

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

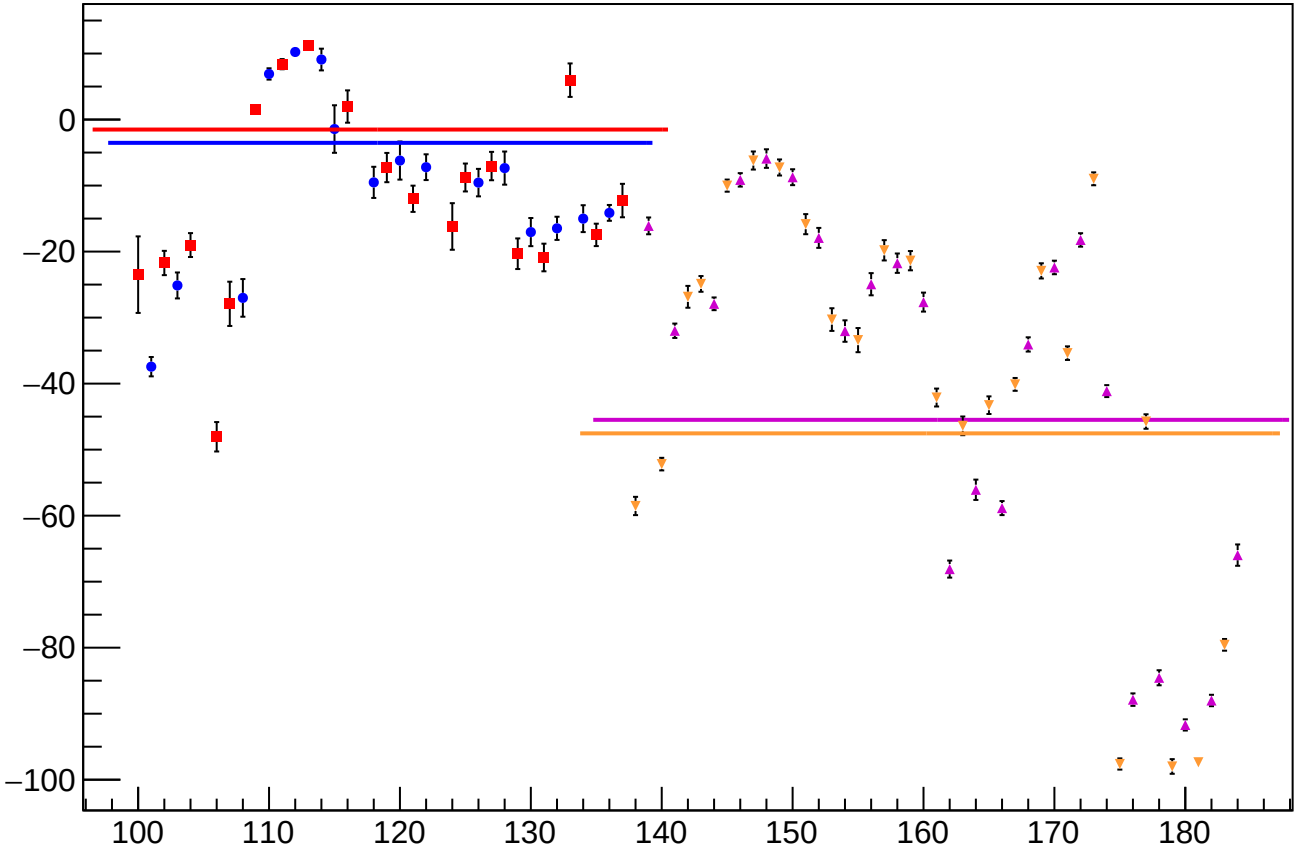
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.950+/-0.012 χ^2/NDF: 1211.7/39

All: 0.926+/-0.008 χ^2/NDF: 3128.7/81

- sign 0.902+/-0.012 χ^2/NDF: 1909.2/41

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

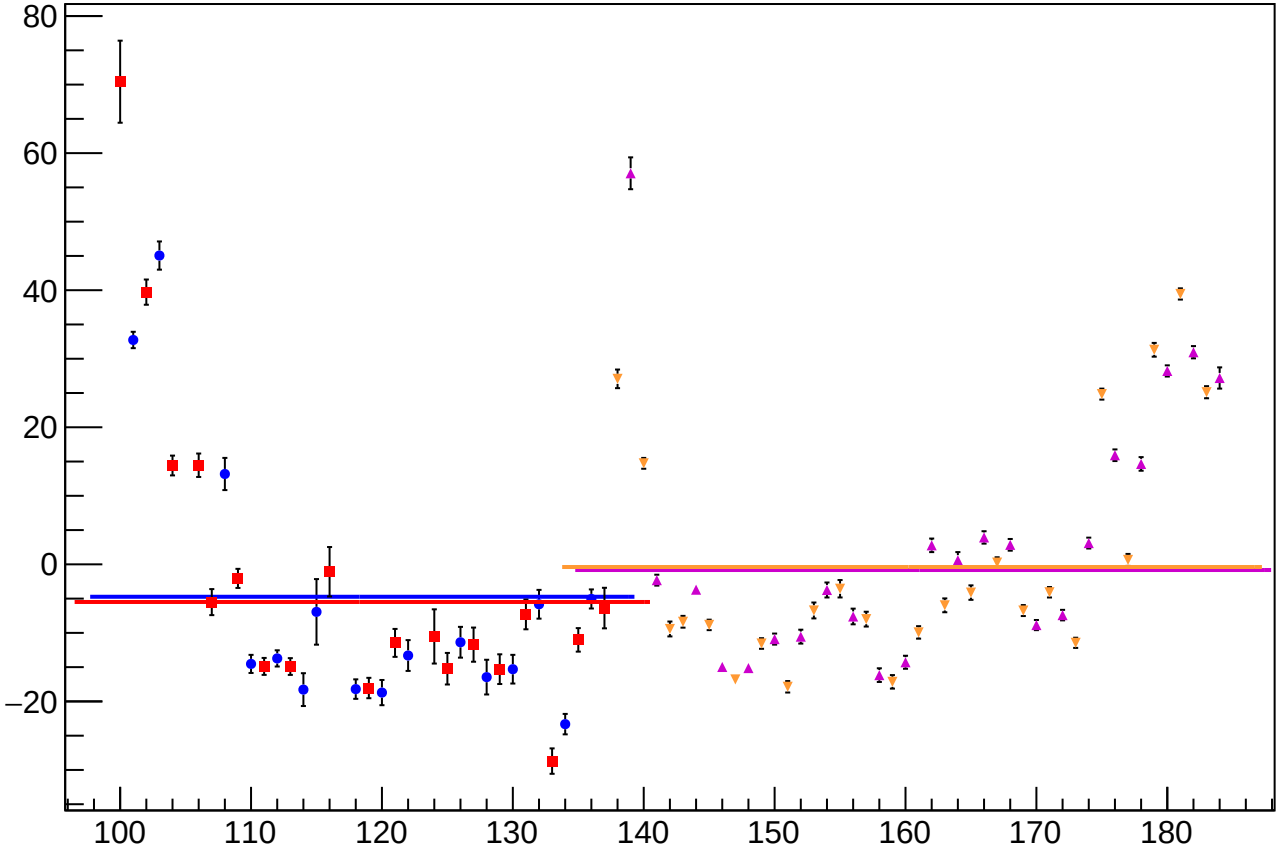
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -35.410+/-0.198 χ^2/NDF: 30427.2/39

All: -33.149+/-0.139 χ^2/NDF: 59085.3/81

- sign -30.962+/-0.195 χ^2/NDF: 28401.1/41

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

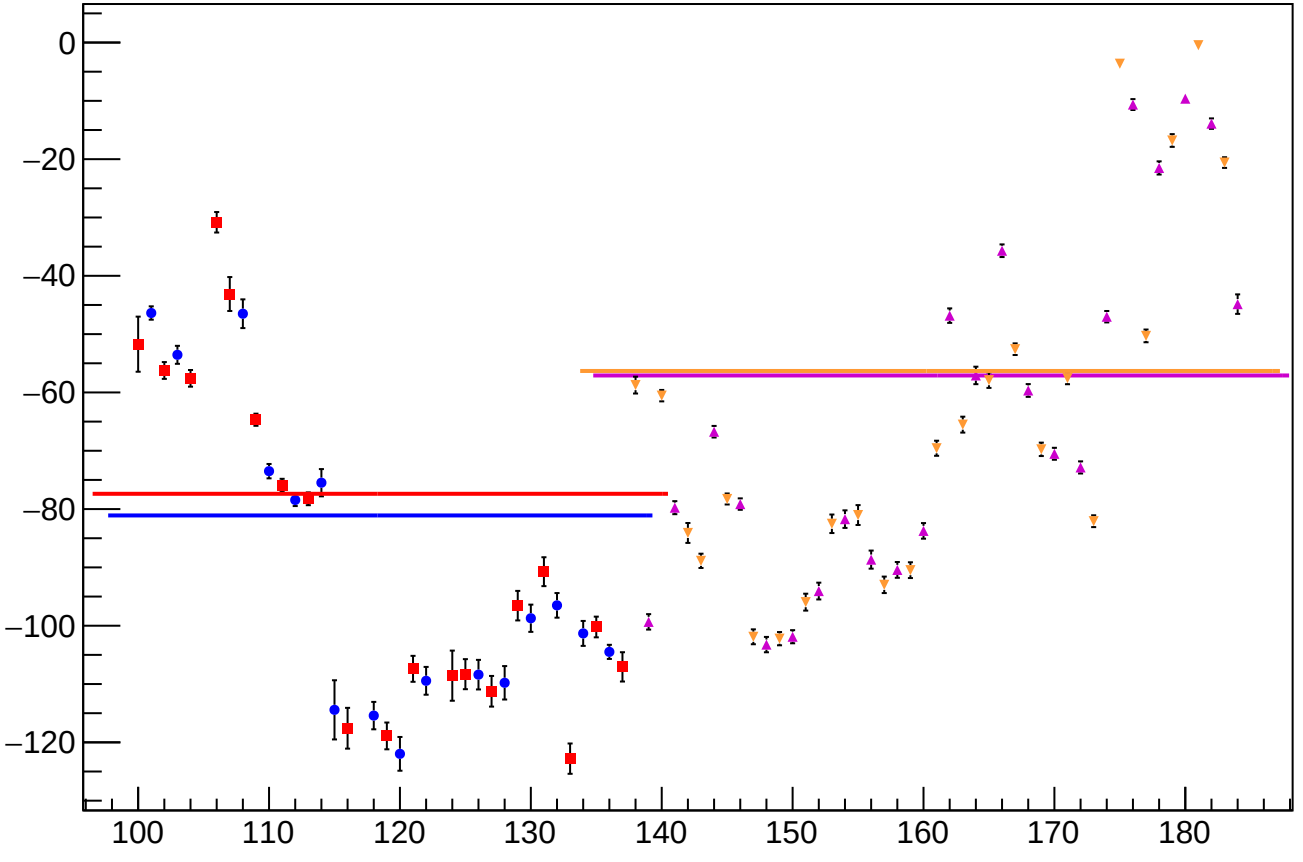
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.027+/-0.165 χ^2/NDF: 10620.9/39

All: -1.292+/-0.118 χ^2/NDF: 18354.0/81

- sign -1.566+/-0.168 χ^2/NDF: 7727.9/41

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

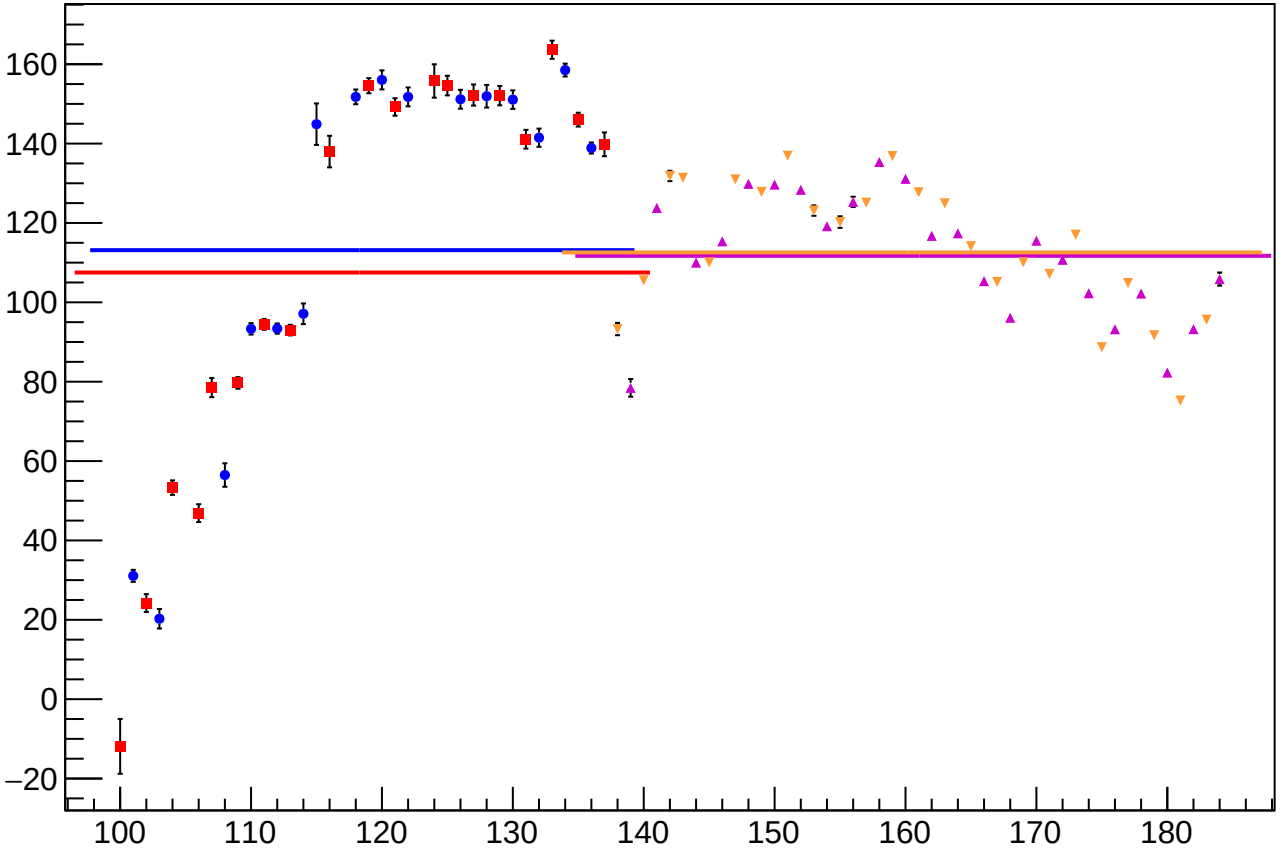
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -61.738+/-0.205 χ^2/NDF: 25157.8/39

All: -61.886+/-0.145 χ^2/NDF: 47248.0/81

- sign -62.034+/-0.206 χ^2/NDF: 22089.2/41

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

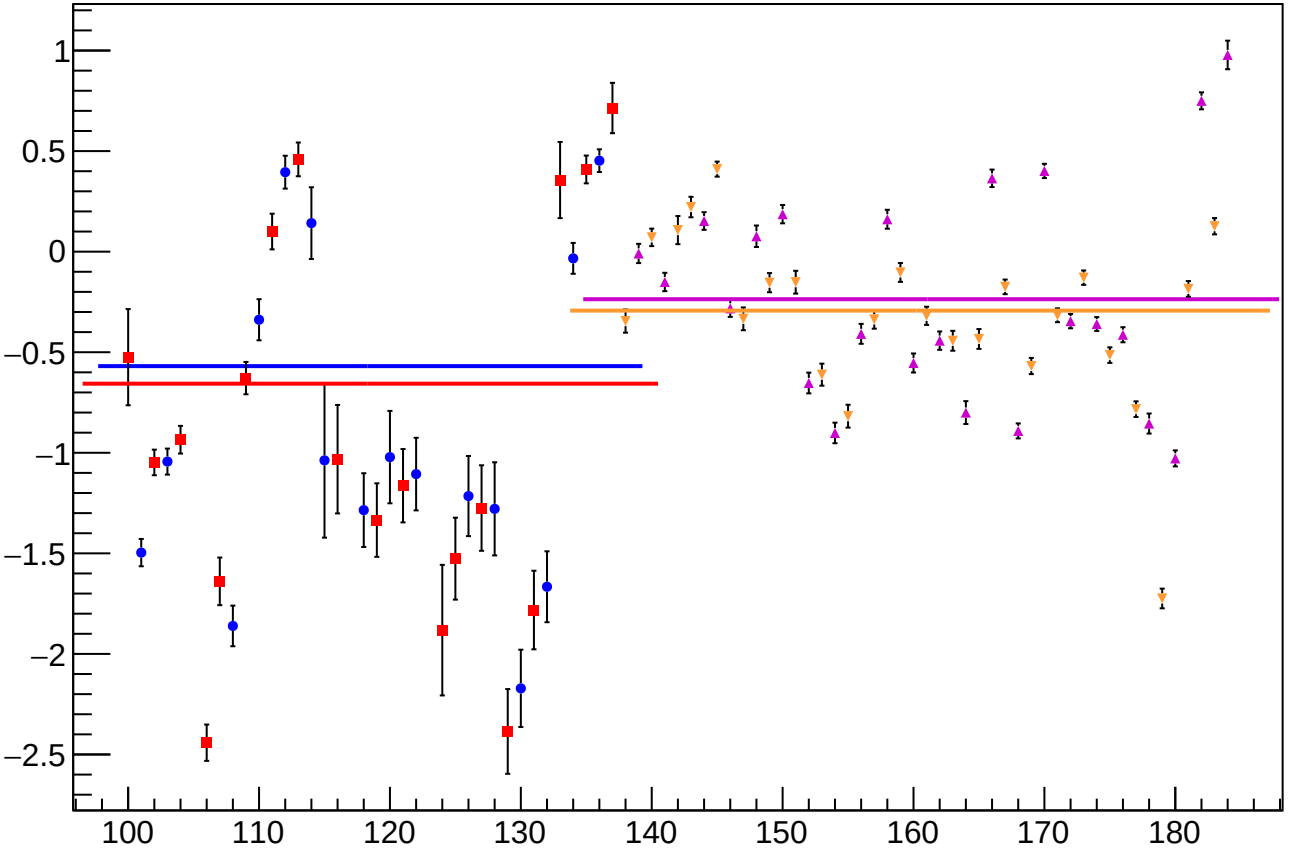
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.659+/-0.186 χ^2/NDF: 14910.0/39

All: 111.873+/-0.133 χ^2/NDF: 27451.8/81

- sign 111.064+/-0.189 χ^2/NDF: 12505.8/41

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

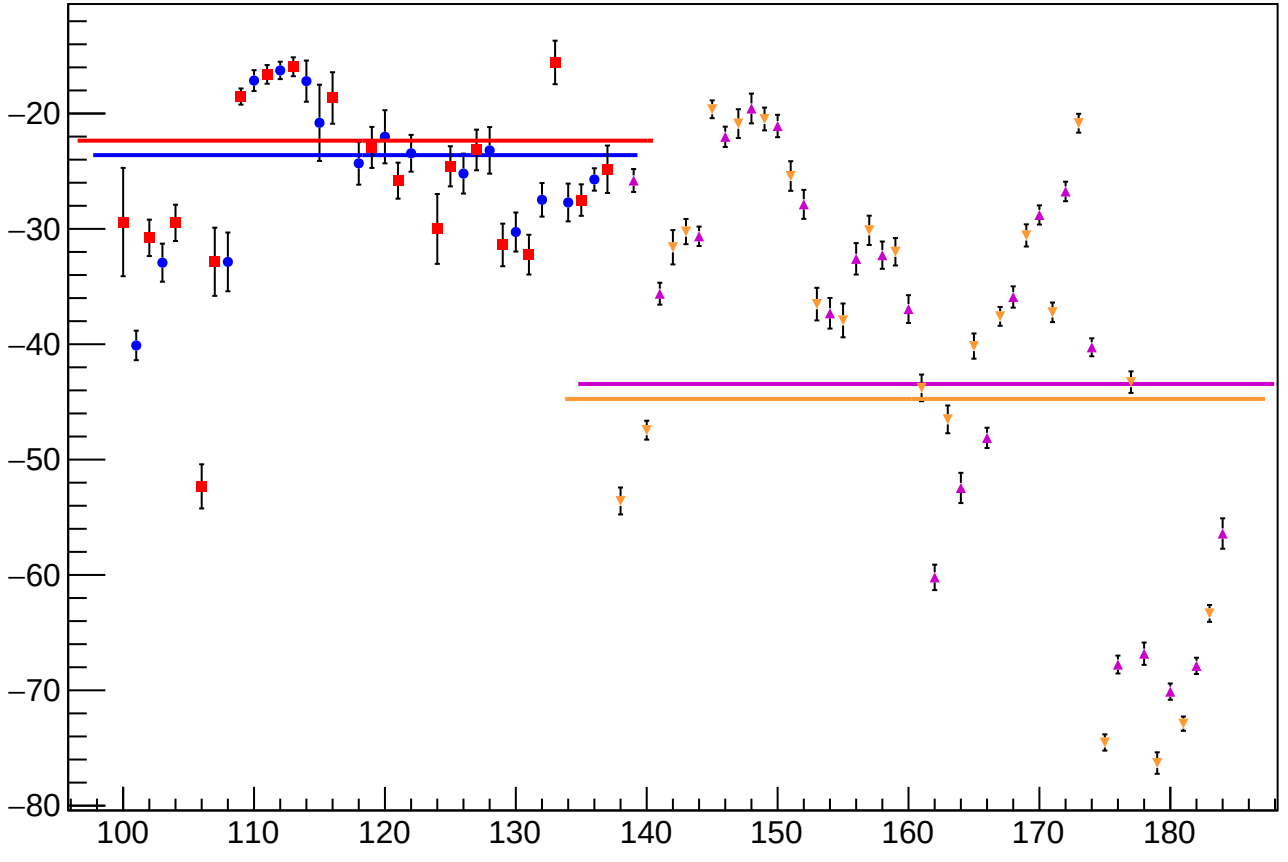
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.324+/-0.009 χ^2/NDF: 3169.7/39

All: -0.305+/-0.006 χ^2/NDF: 7700.9/81

- sign -0.286+/-0.009 χ^2/NDF: 4521.5/41

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

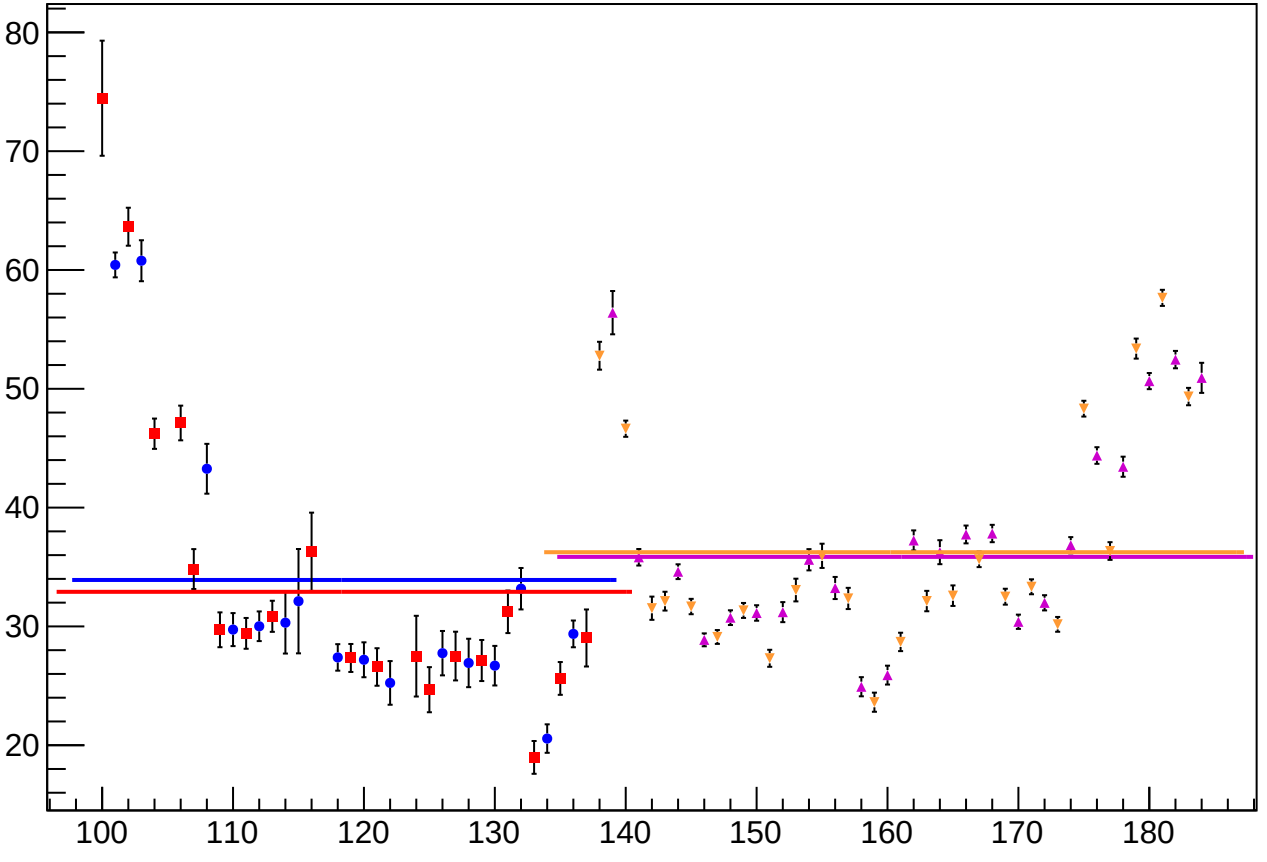
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.699+/-0.170 χ^2/NDF: 12992.0/39

All: -38.653+/-0.120 χ^2/NDF: 24549.3/81

- sign -37.621+/-0.169 χ^2/NDF: 11482.2/41

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

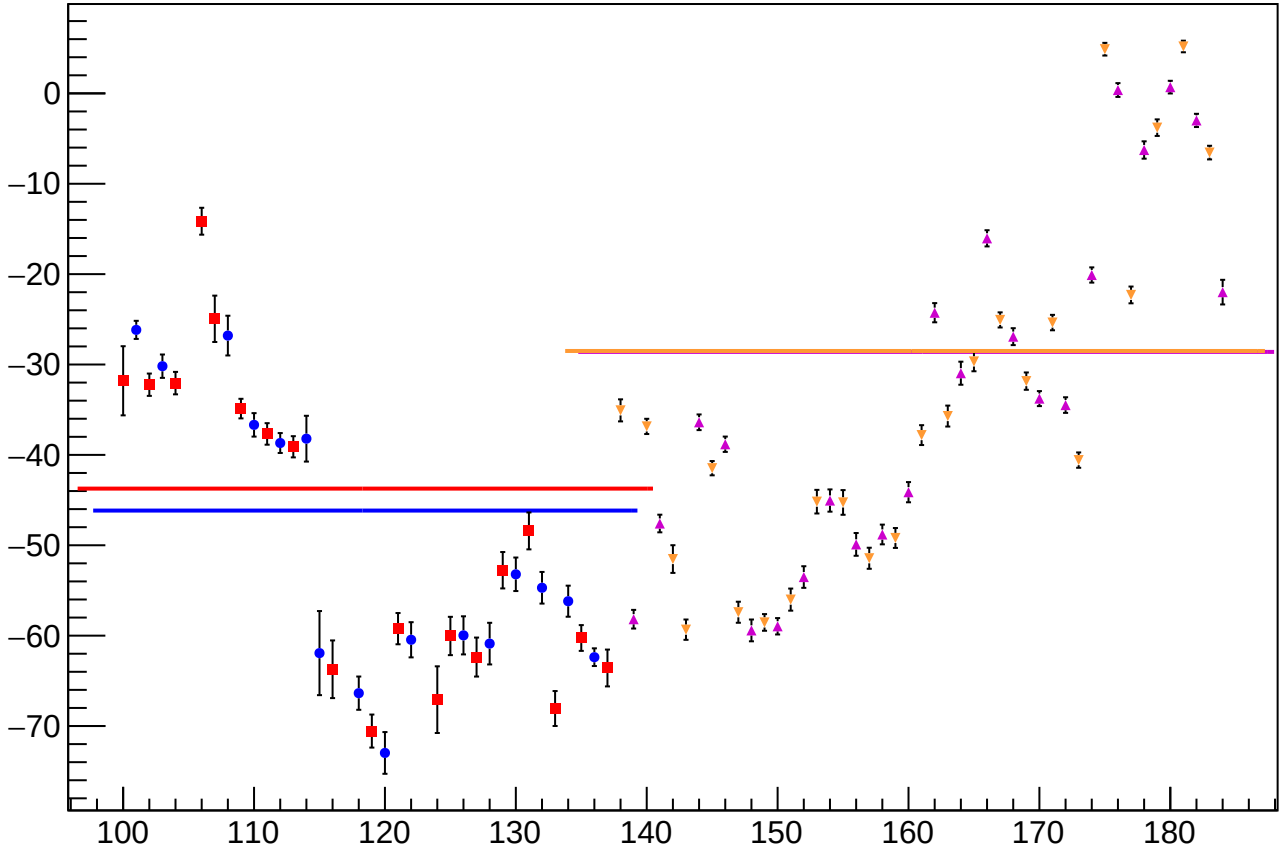
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 35.919+/-0.140 χ^2/NDF: 4737.1/39

All: 35.674+/-0.100 χ^2/NDF: 7964.9/81

- sign 35.419+/-0.143 χ^2/NDF: 3221.6/41

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

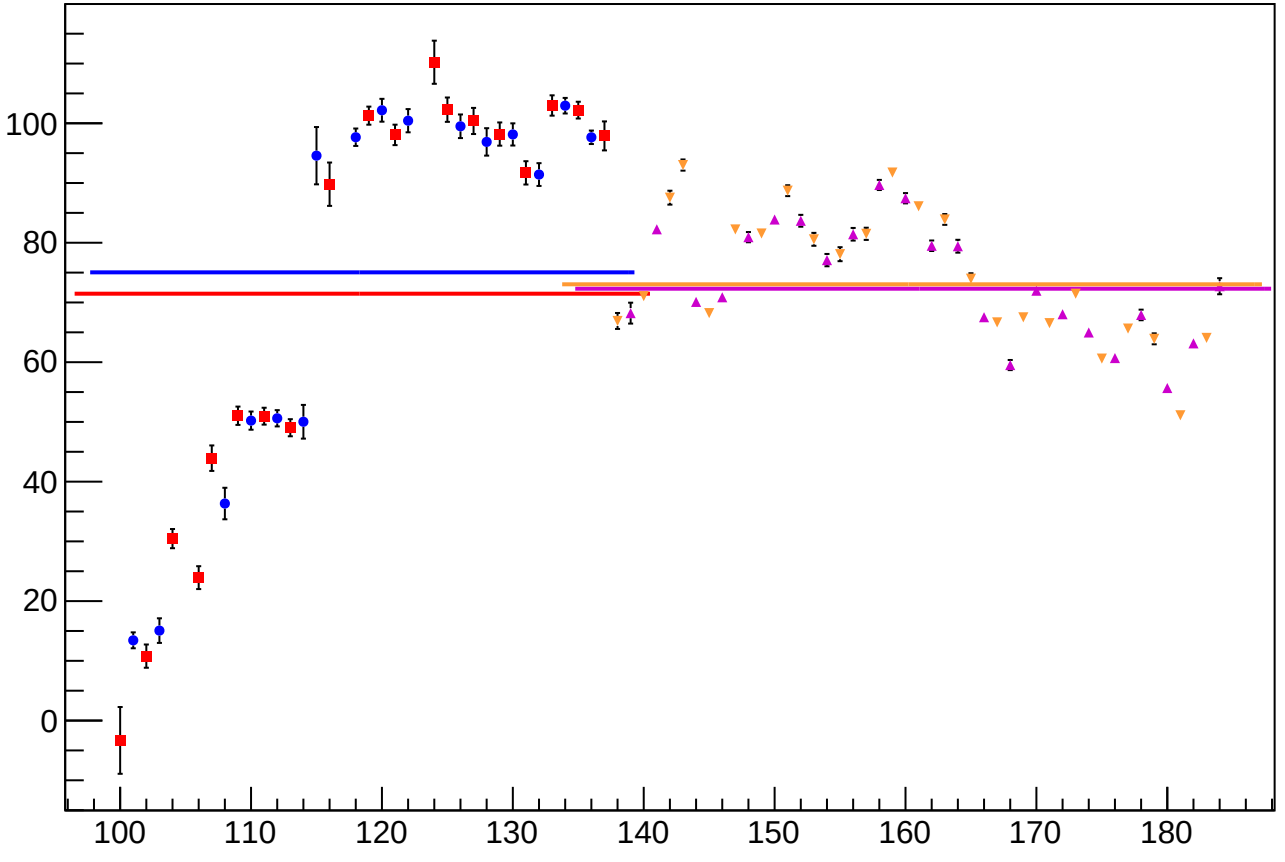
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.025+/-0.174 χ^2/NDF: 14718.4/39

All: -31.939+/-0.124 χ^2/NDF: 27652.5/81

- sign -31.851+/-0.175 χ^2/NDF: 12933.6/41

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

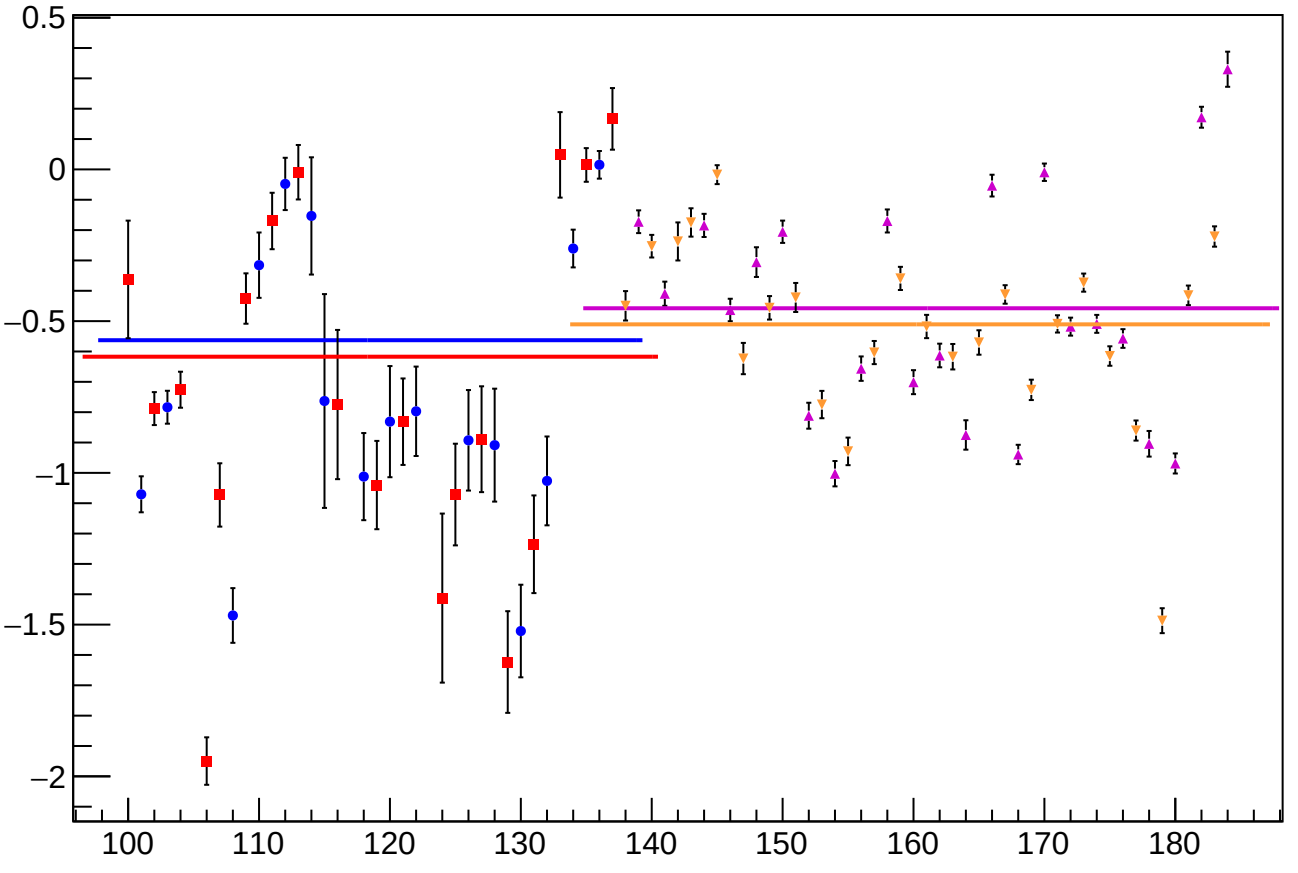
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.315+/-0.158 χ^2/NDF: 9896.7/39

All: 72.758+/-0.113 χ^2/NDF: 18466.0/81

- sign 72.184+/-0.161 χ^2/NDF: 8544.0/41

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

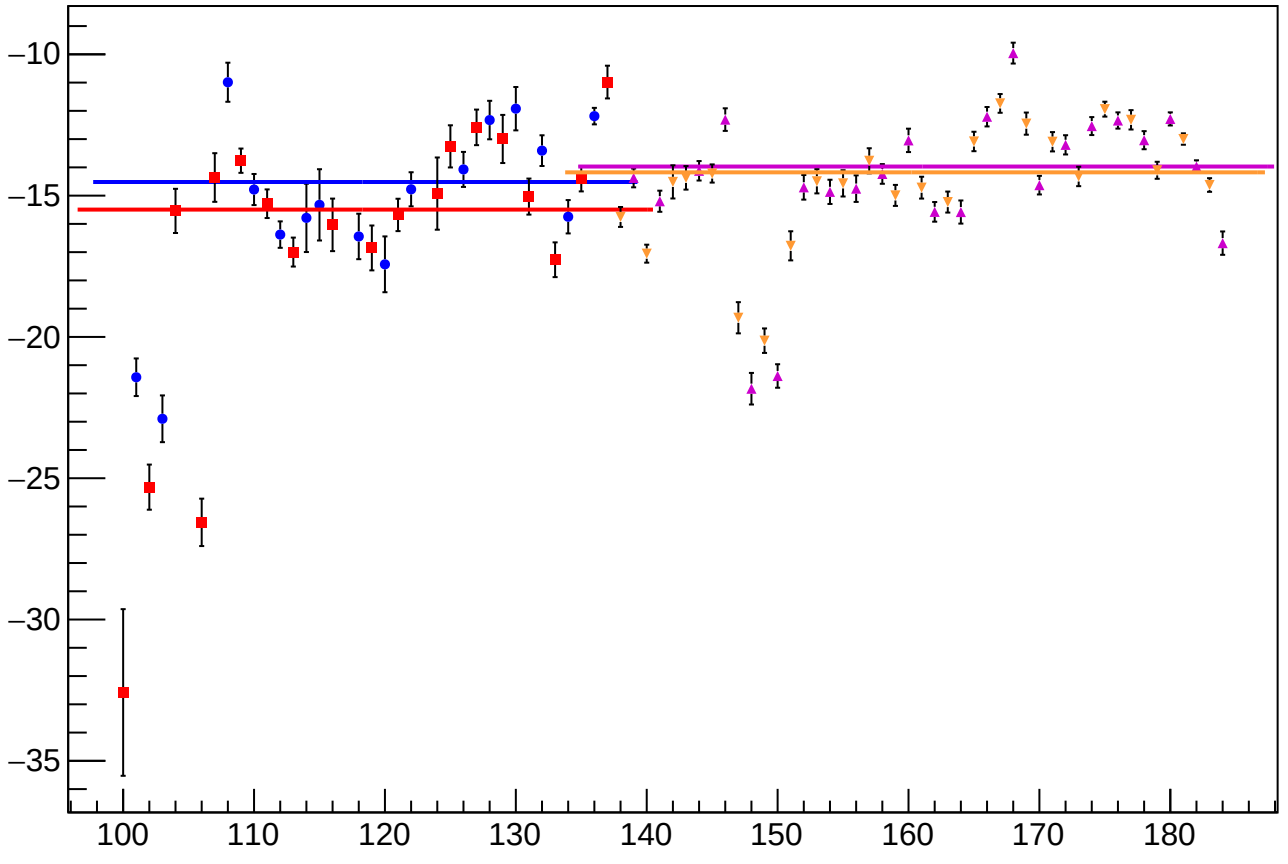
Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.516+/-0.007 χ^2/NDF: 1871.6/39

All: -0.495+/-0.005 χ^2/NDF: 4727.4/81

- sign -0.475+/-0.007 χ^2/NDF: 2839.4/41



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.176+/-0.070 χ^2/NDF:653.4/23

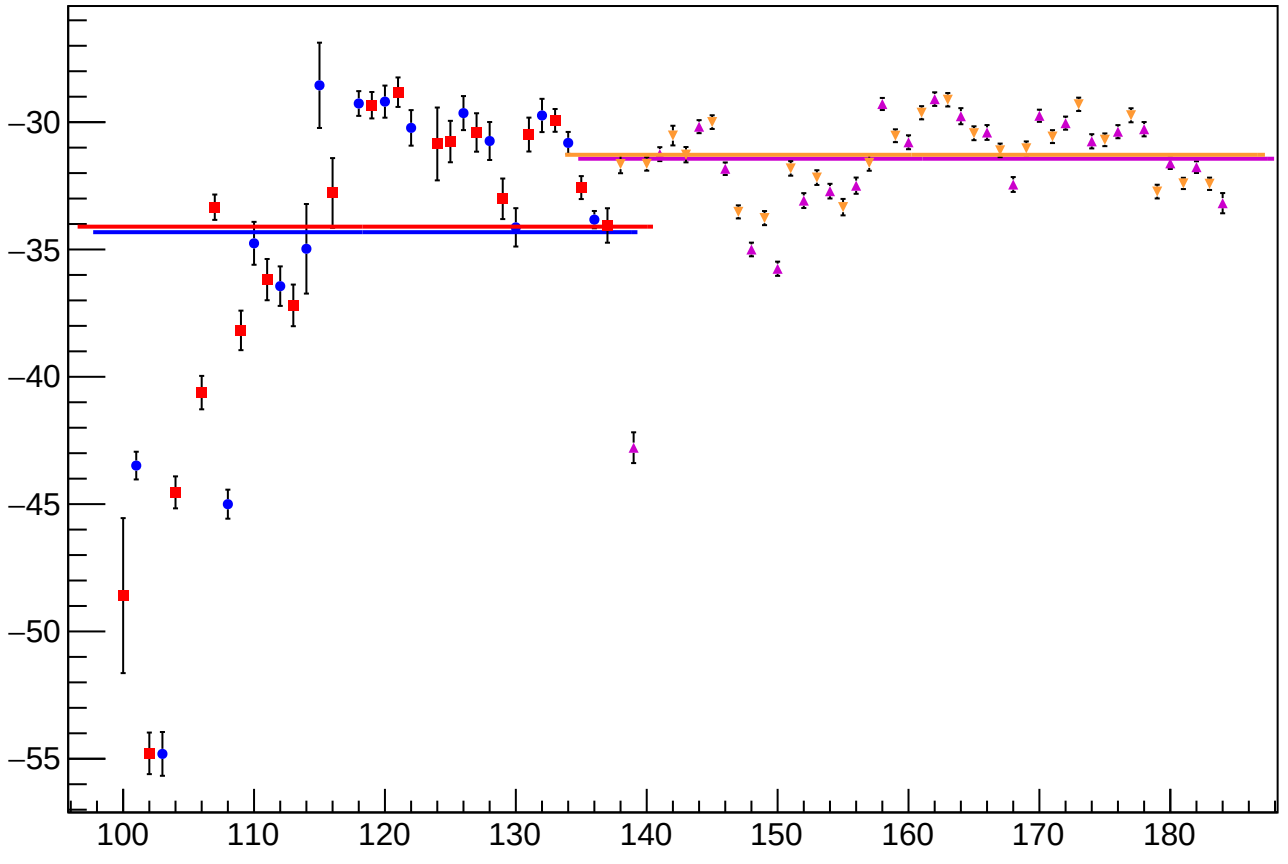
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.238+/-0.064 χ^2/NDF: 1021.0/39

All: -14.246+/-0.045 χ^2/NDF: 2516.6/81

- sign -14.255+/-0.065 χ^2/NDF: 1495.5/41



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

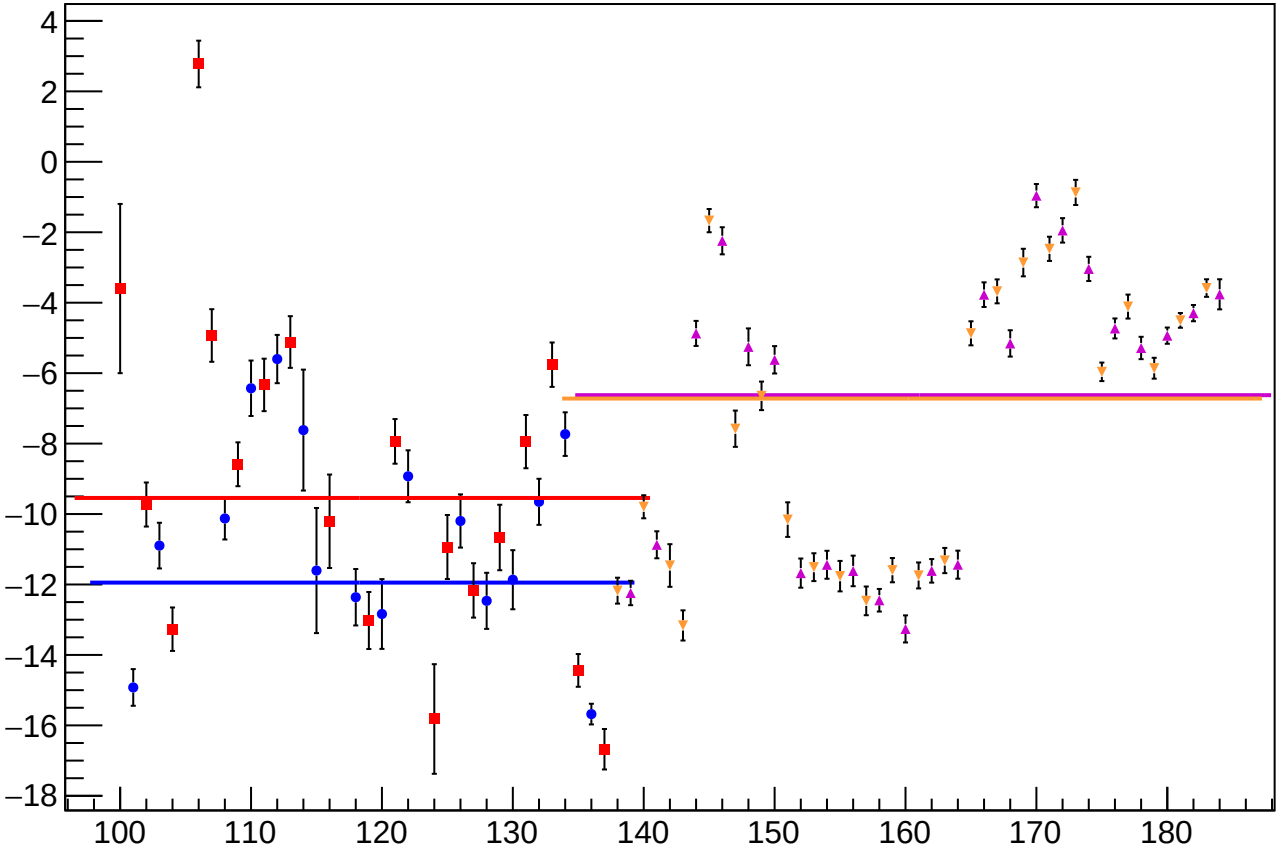
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.636+/-0.052 χ^2/NDF: 2514.1/39

All: -31.696+/-0.037 χ^2/NDF: 5429.6/81

- sign -31.760+/-0.054 χ^2/NDF: 2912.8/41

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

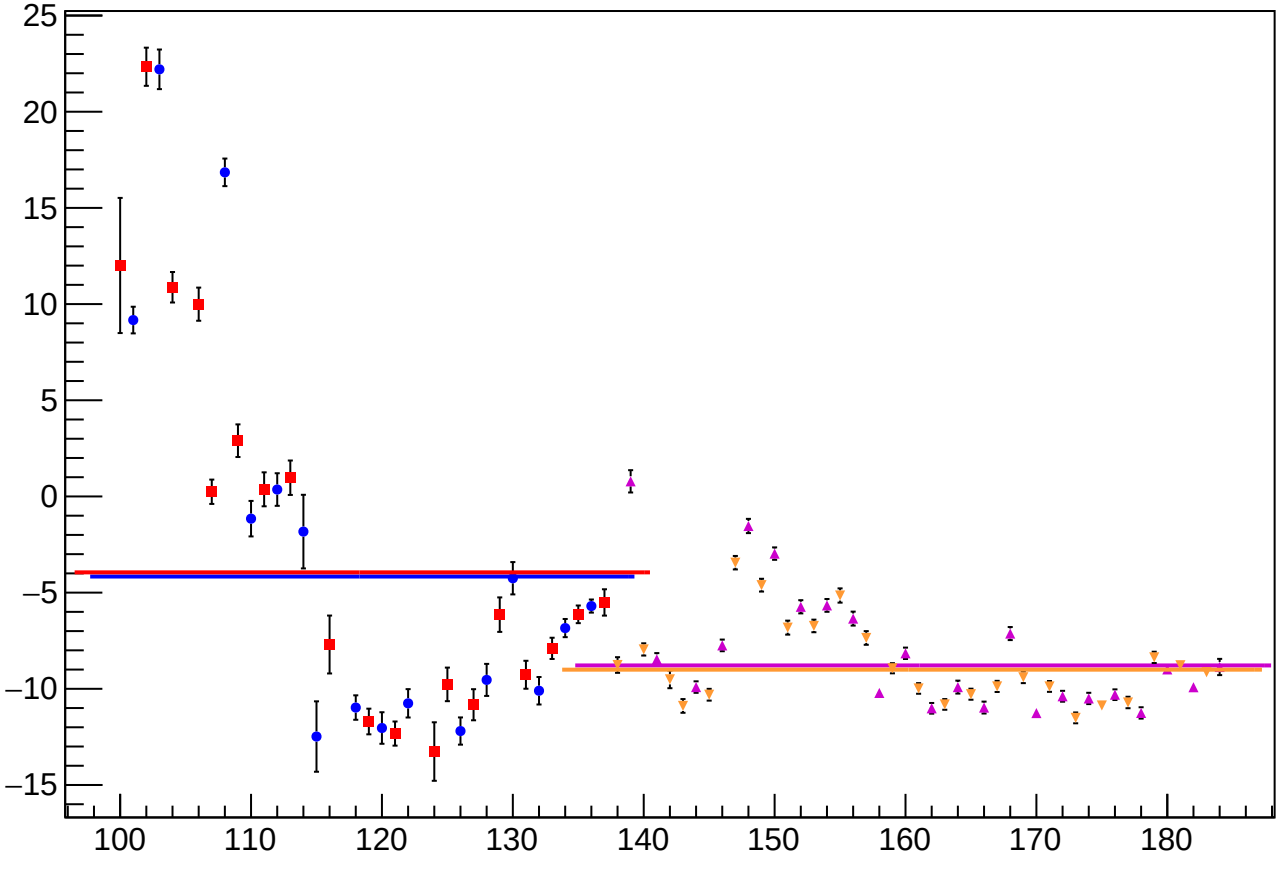
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.564+/-0.064 χ^2/NDF: 4212.4/39

All: -7.329+/-0.046 χ^2/NDF: 8257.7/81

- sign -7.085+/-0.066 χ^2/NDF: 4018.1/41

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

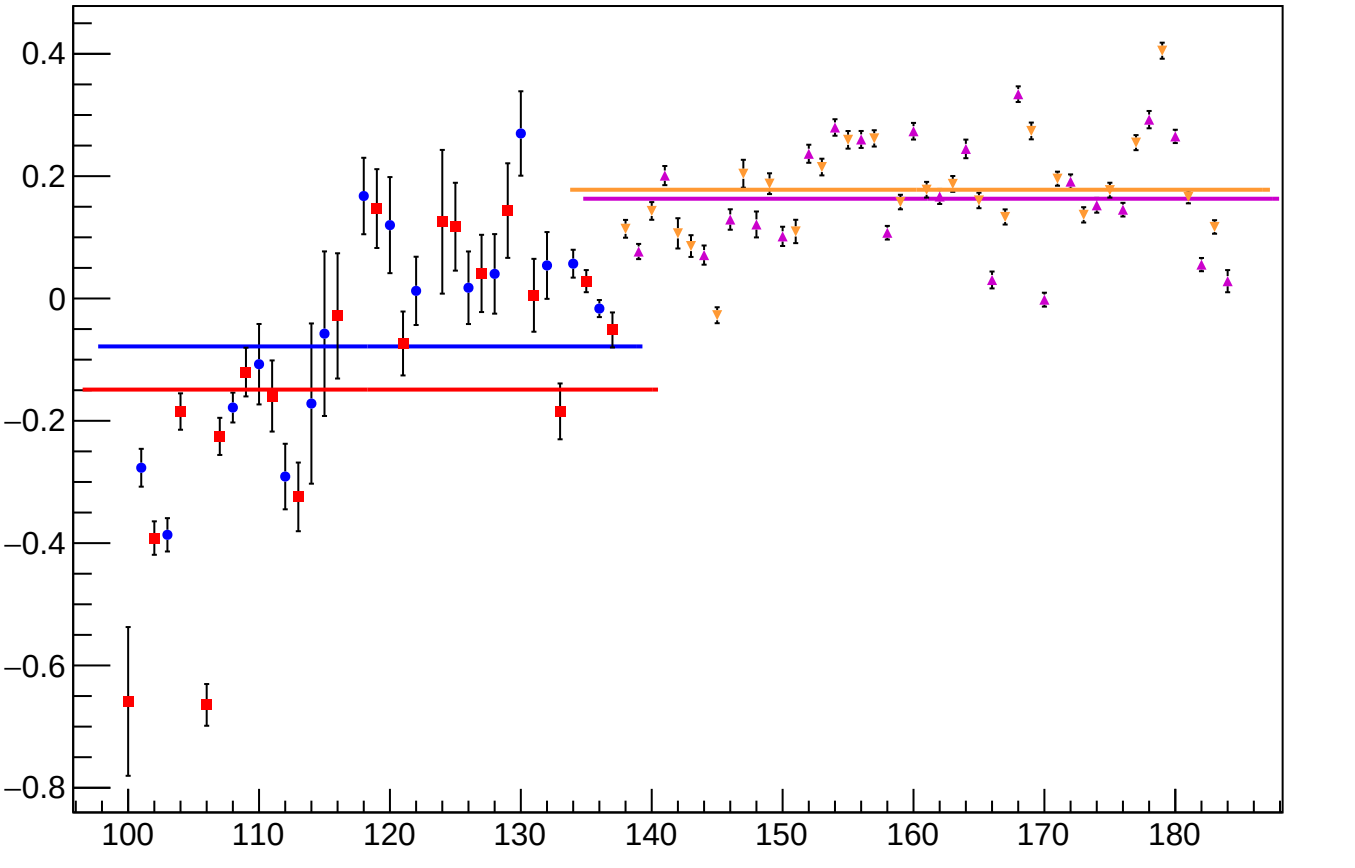
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.447+/-0.058 χ^2/NDF: 4188.4/39

All: -8.341+/-0.042 χ^2/NDF: 8659.2/81

- sign -8.230+/-0.060 χ^2/NDF: 4464.0/41



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.178+/-0.003 χ^2/NDF:852.0/23

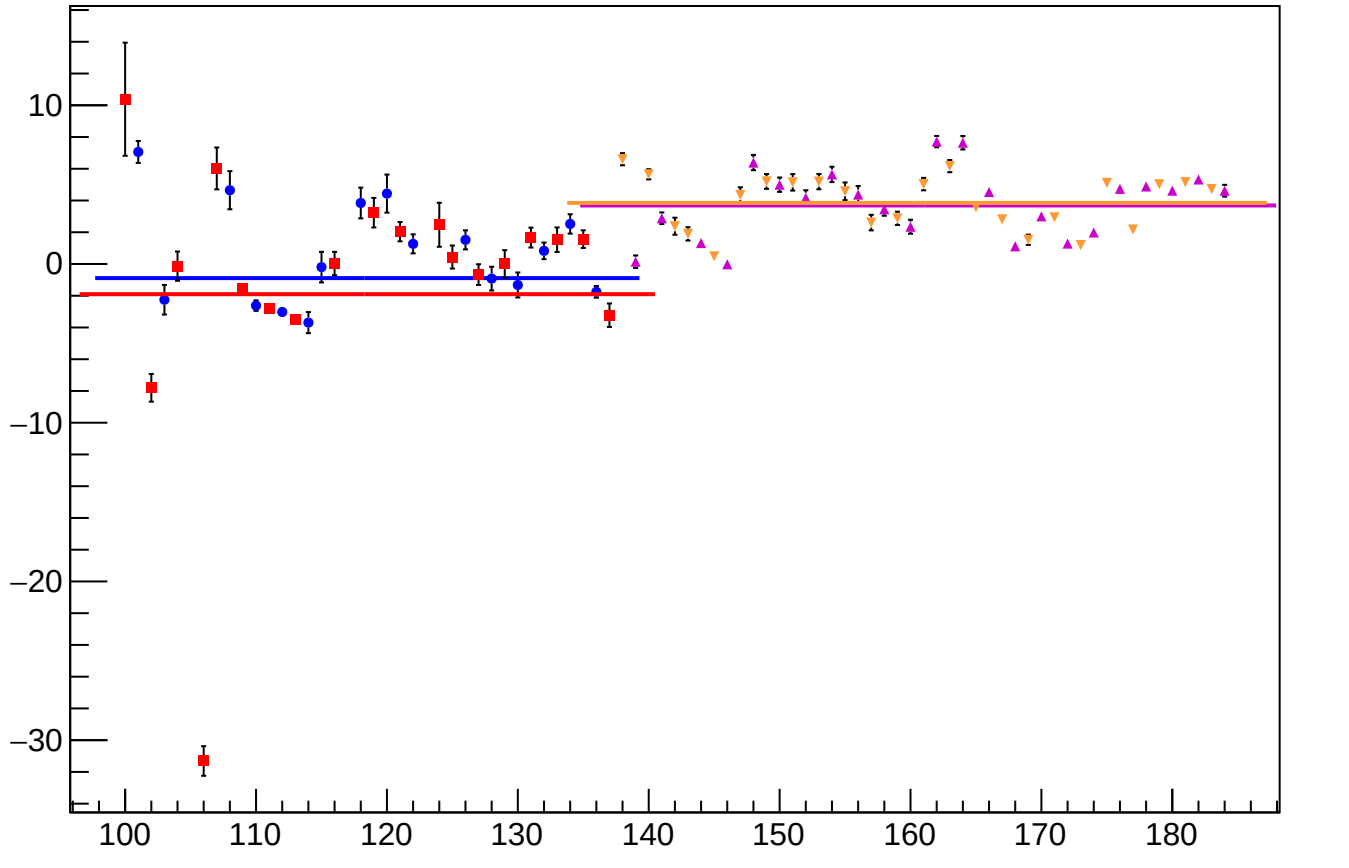
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.154+/-0.003 χ^2/NDF: 1980.7/39

All: 0.145+/-0.002 χ^2/NDF: 4803.9/81

- sign 0.136+/-0.003 χ^2/NDF: 2801.6/41



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.848+/-0.063 χ^2/NDF:722.9/23

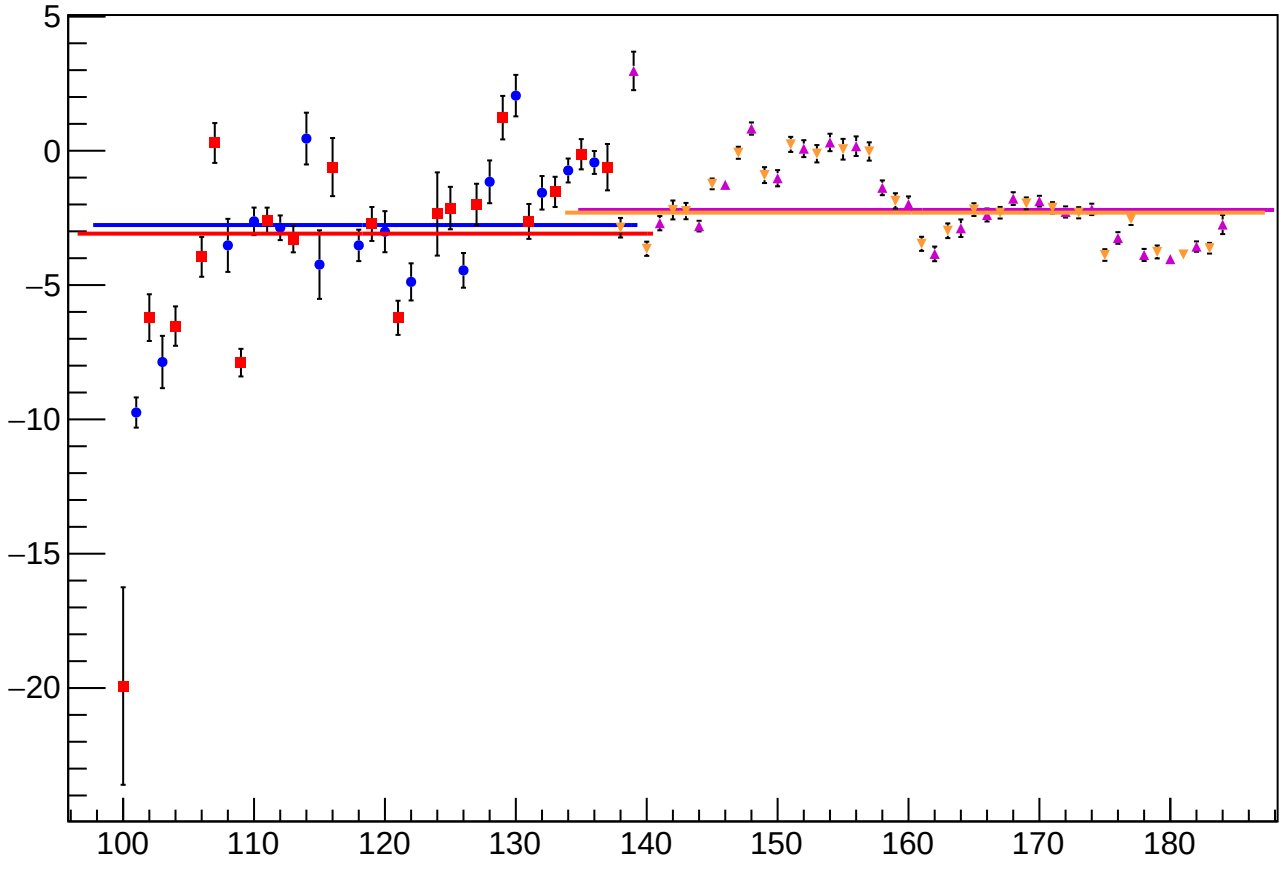
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.020+/-0.057 χ^2/NDF: 2095.9/39

All: 2.799+/-0.040 χ^2/NDF: 5931.3/81

- sign 2.578+/-0.057 χ^2/NDF: 3805.5/41



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

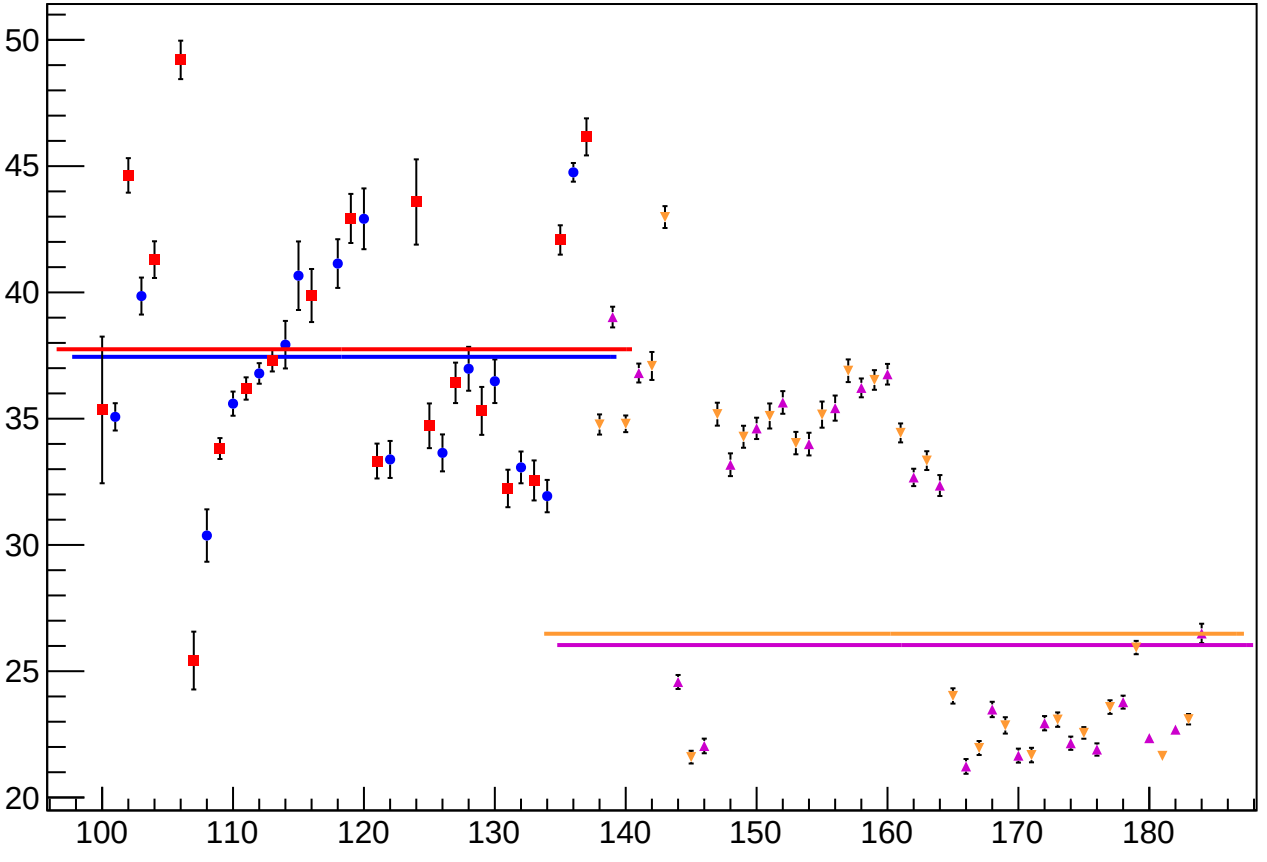
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.348+/-0.048 χ^2/NDF: 947.9/39

All: -2.318+/-0.034 χ^2/NDF: 1974.2/81

- sign -2.287+/-0.048 χ^2/NDF: 1025.5/41

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

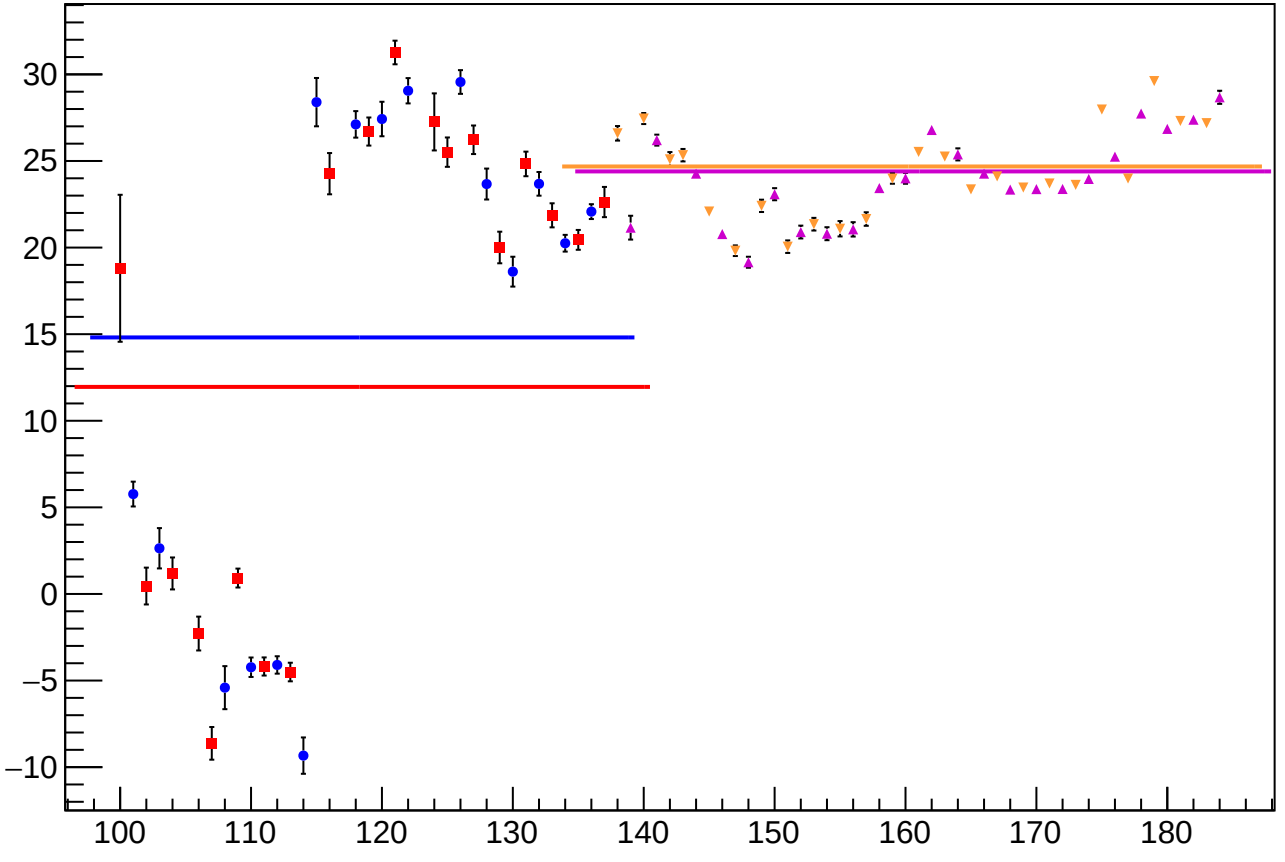
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.949+/-0.059 χ^2/NDF: 13912.0/39

All: 27.804+/-0.042 χ^2/NDF: 27382.6/81

- sign 27.656+/-0.059 χ^2/NDF: 13458.4/41

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

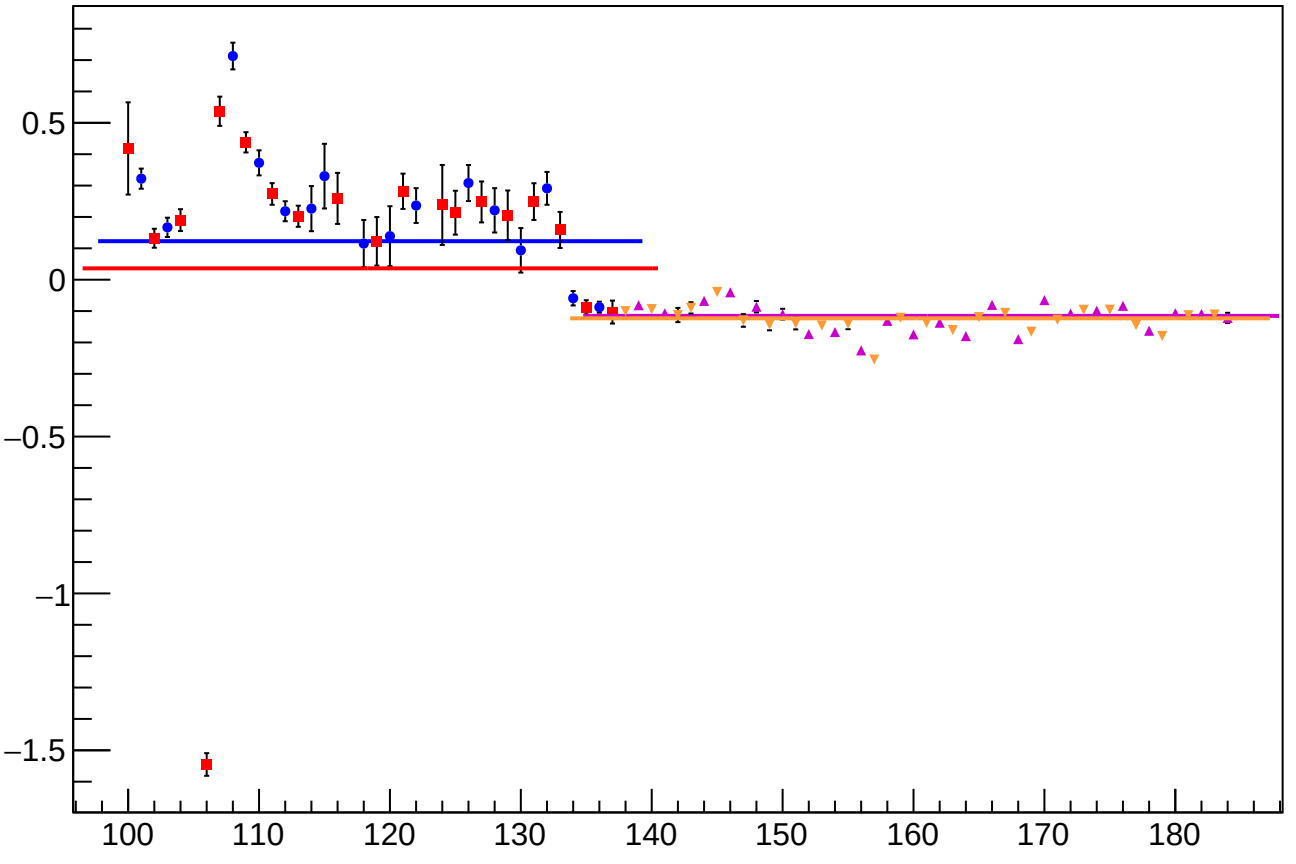
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.757+/-0.053 χ^2/NDF: 10517.1/39

All: 23.504+/-0.038 χ^2/NDF: 22877.0/81

- sign 23.246+/-0.054 χ^2/NDF: 12314.3/41



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

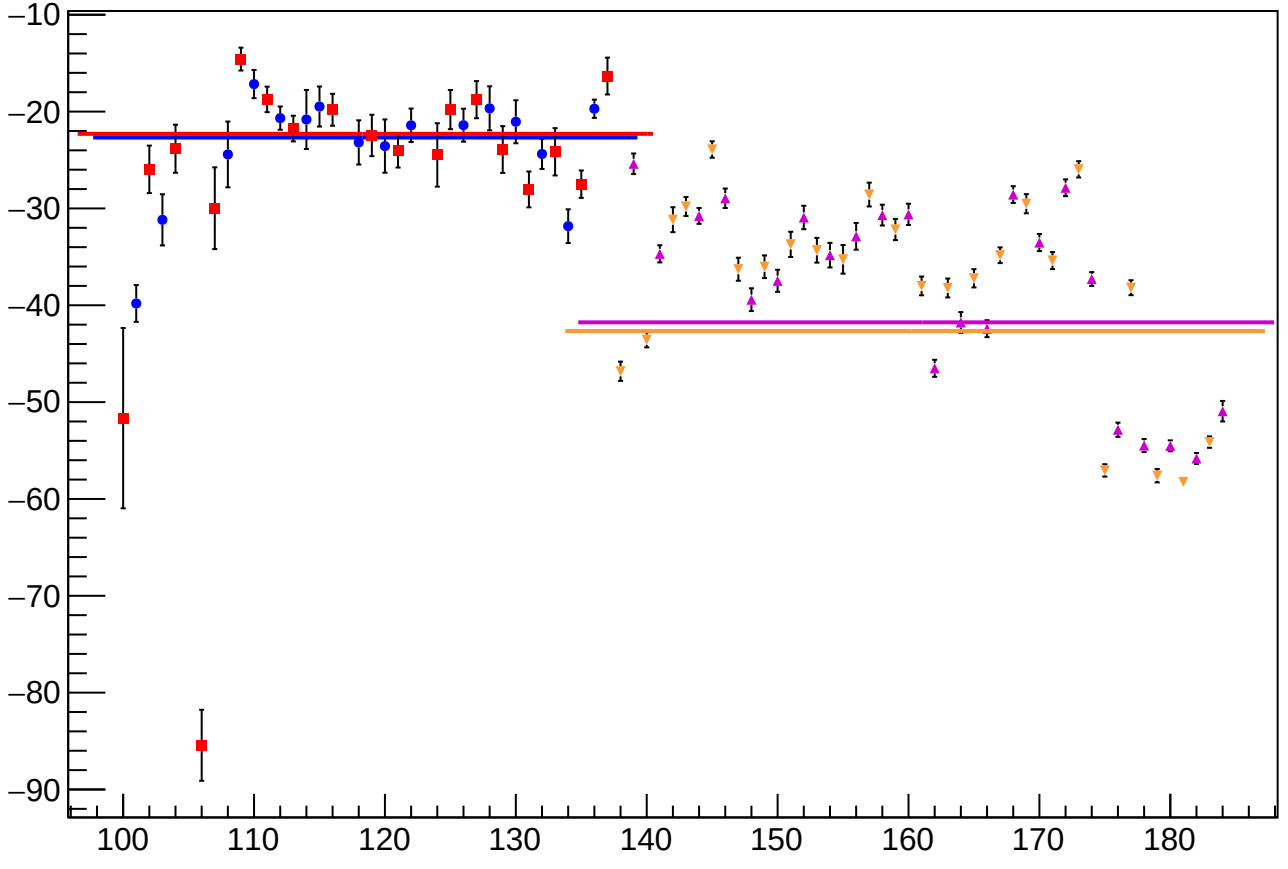
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.107+/-0.002 χ^2/NDF: 1394.6/39

All: -0.106+/-0.002 χ^2/NDF: 4325.3/81

- sign -0.106+/-0.002 χ^2/NDF: 2930.6/41

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

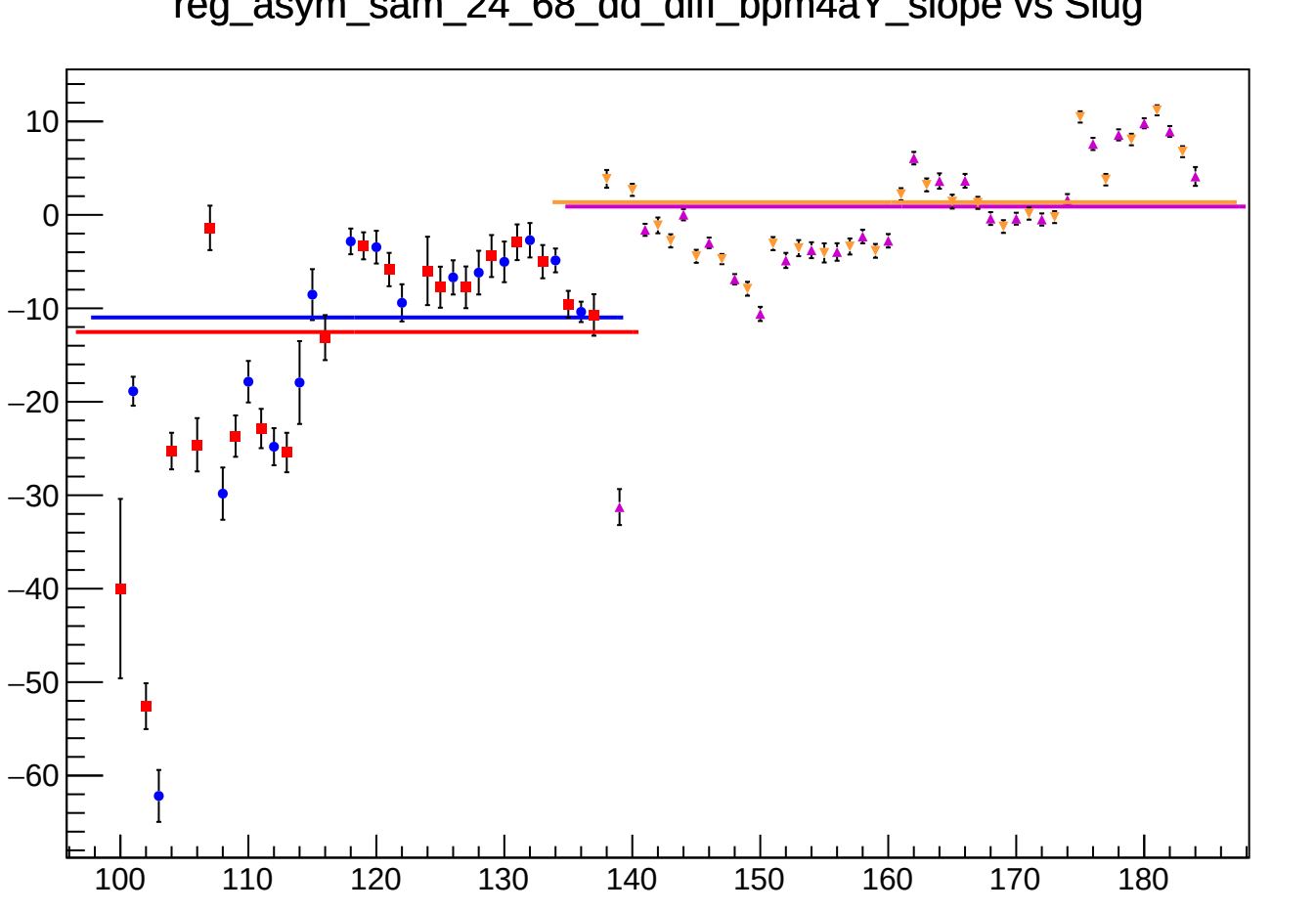
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.814+/-0.164 χ^2/NDF: 6311.5/39

All: -39.354+/-0.117 χ^2/NDF: 11896.7/81

- sign -38.873+/-0.168 χ^2/NDF: 5569.0/41



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

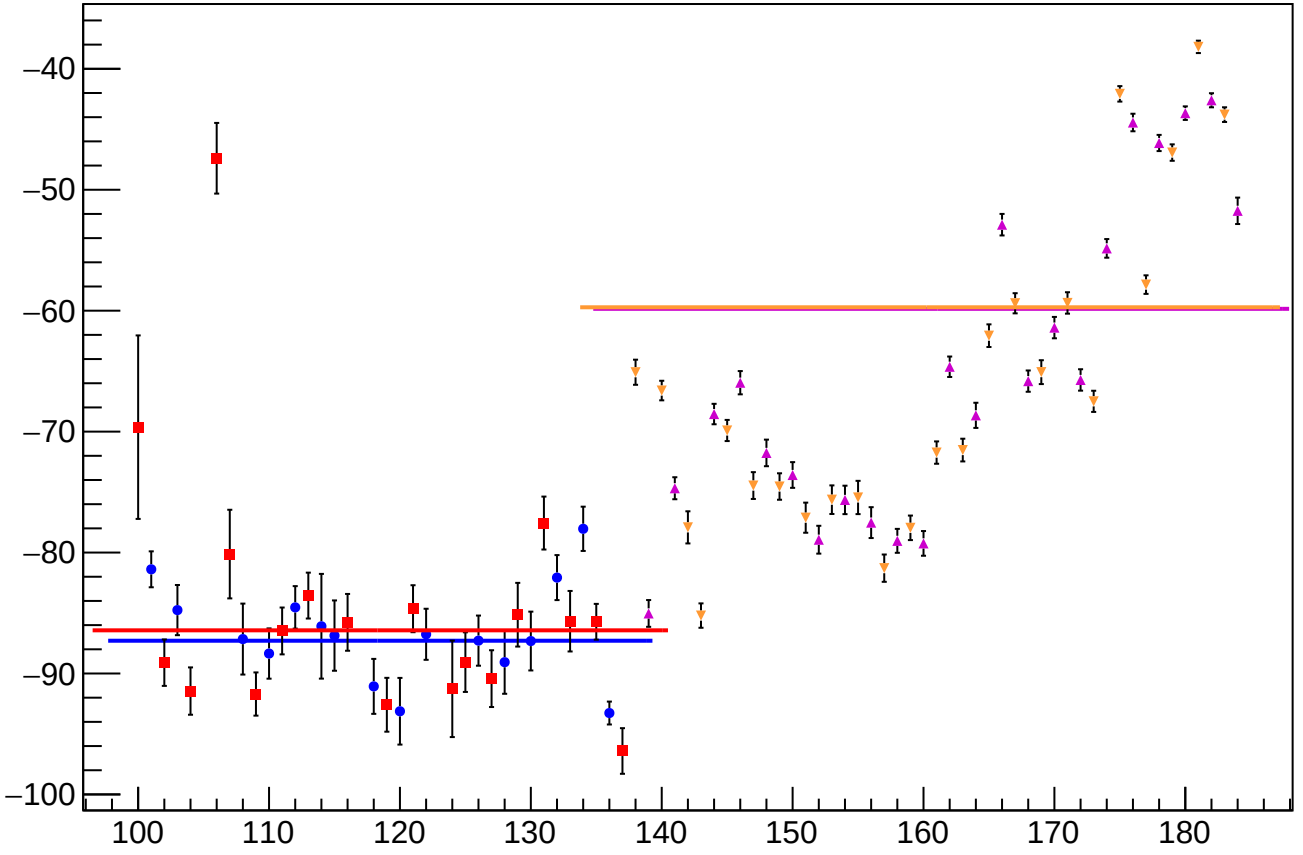
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.293+/-0.133 χ^2/NDF: 2656.8/39

All: 0.054+/-0.096 χ^2/NDF: 5714.7/81

- sign -0.199+/-0.137 χ^2/NDF: 3051.3/41

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

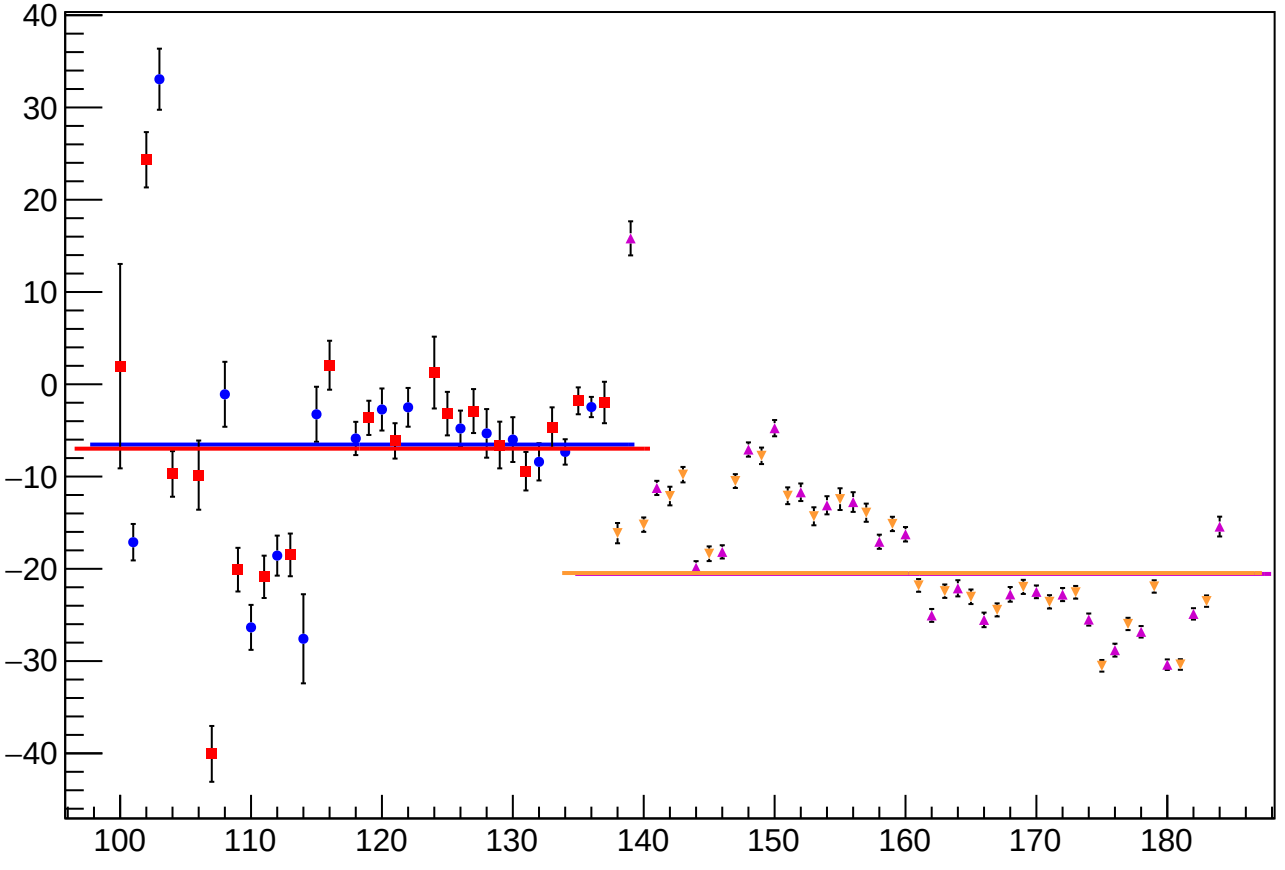
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.013+/-0.166 χ^2/NDF: 9631.0/39

All: -62.940+/-0.119 χ^2/NDF: 17878.0/81

- sign -62.864+/-0.170 χ^2/NDF: 8246.5/41

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



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

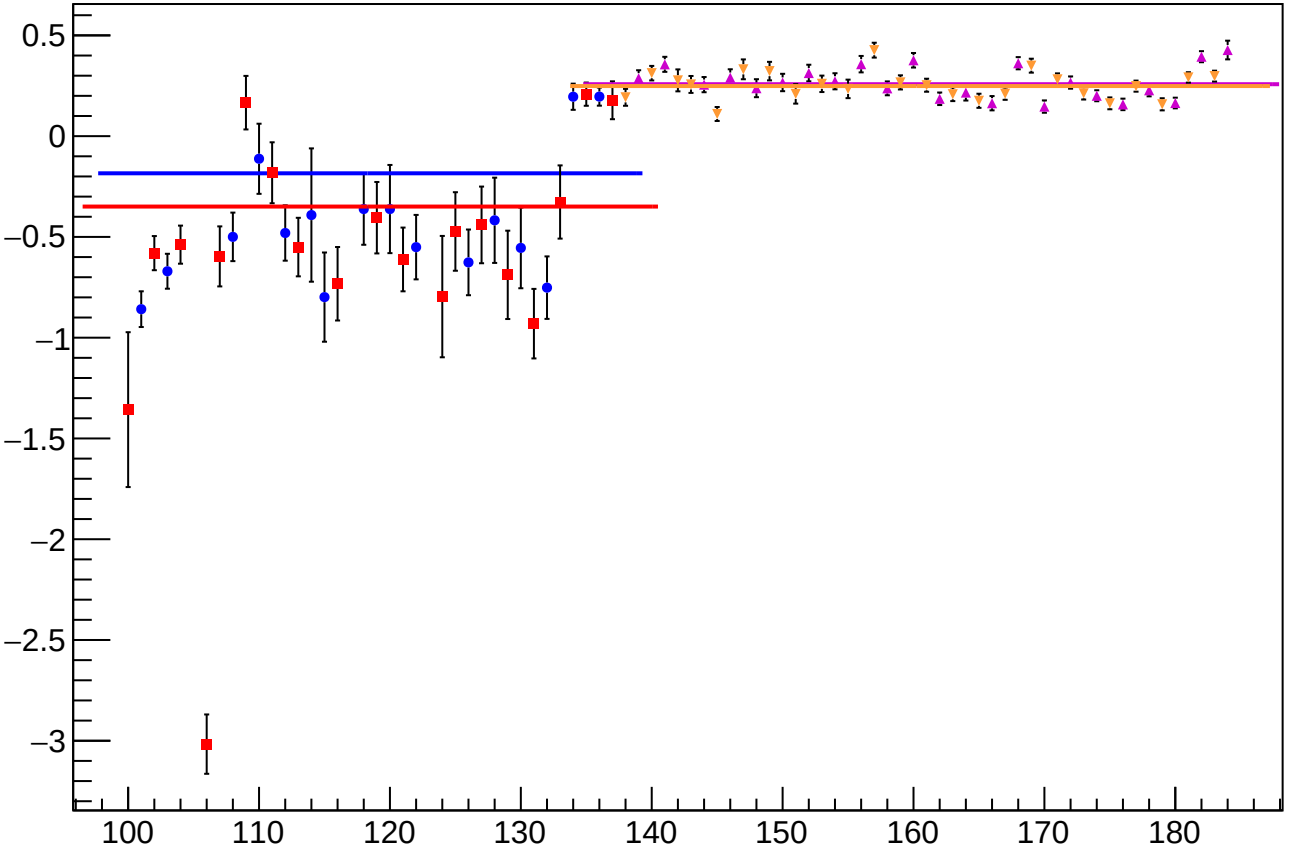
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.255+/-0.149 χ^2/NDF: 2672.0/39

All: -19.360+/-0.107 χ^2/NDF: 5813.1/81

- sign -19.471+/-0.153 χ^2/NDF: 3140.1/41

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

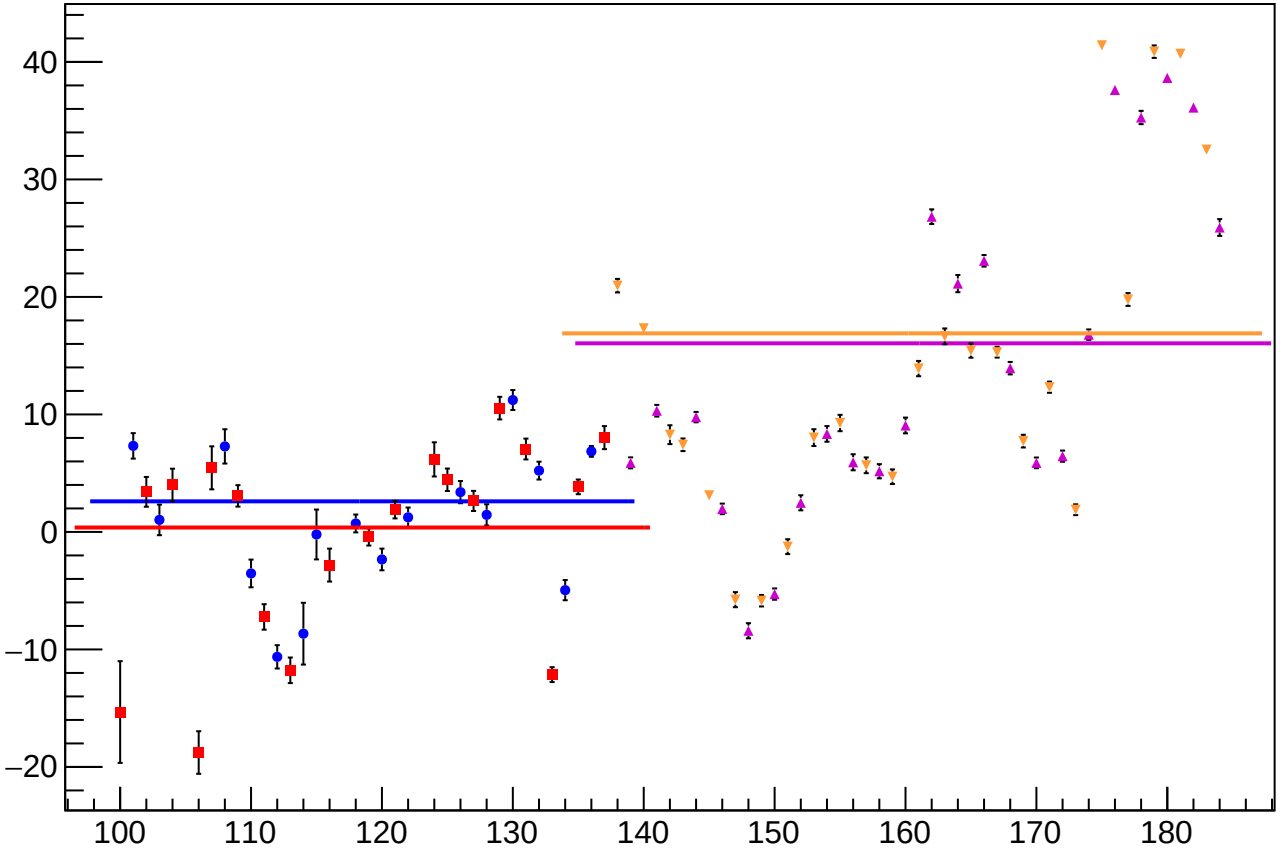
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.221+/-0.007 χ^2/NDF: 585.1/39

All: 0.222+/-0.005 χ^2/NDF: 1640.9/81

- sign 0.224+/-0.007 χ^2/NDF: 1055.6/41

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

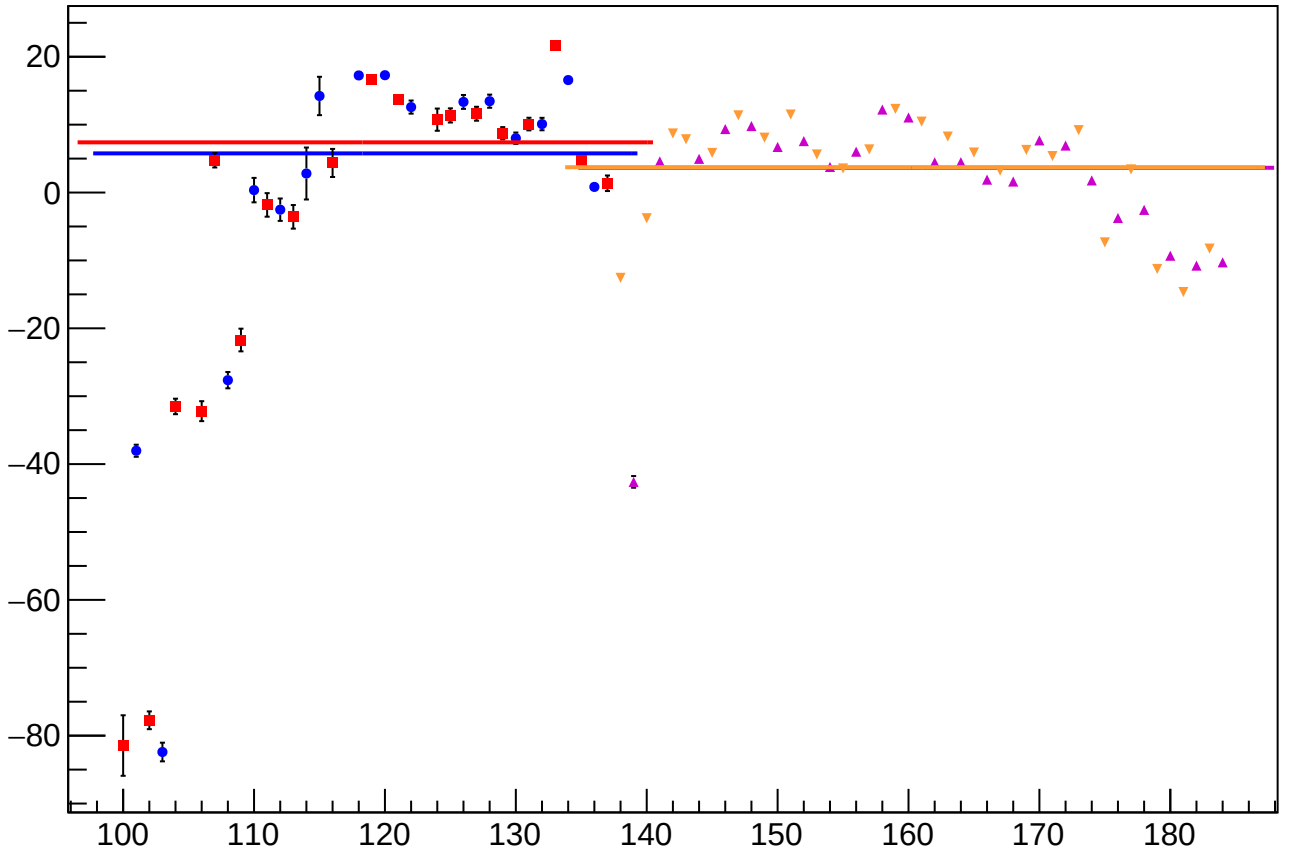
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 14.324+/-0.095 χ^2/NDF: 24380.6/39

All: 13.717+/-0.068 χ^2/NDF: 47154.0/81

- sign 13.091+/-0.097 χ^2/NDF: 22690.7/41



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

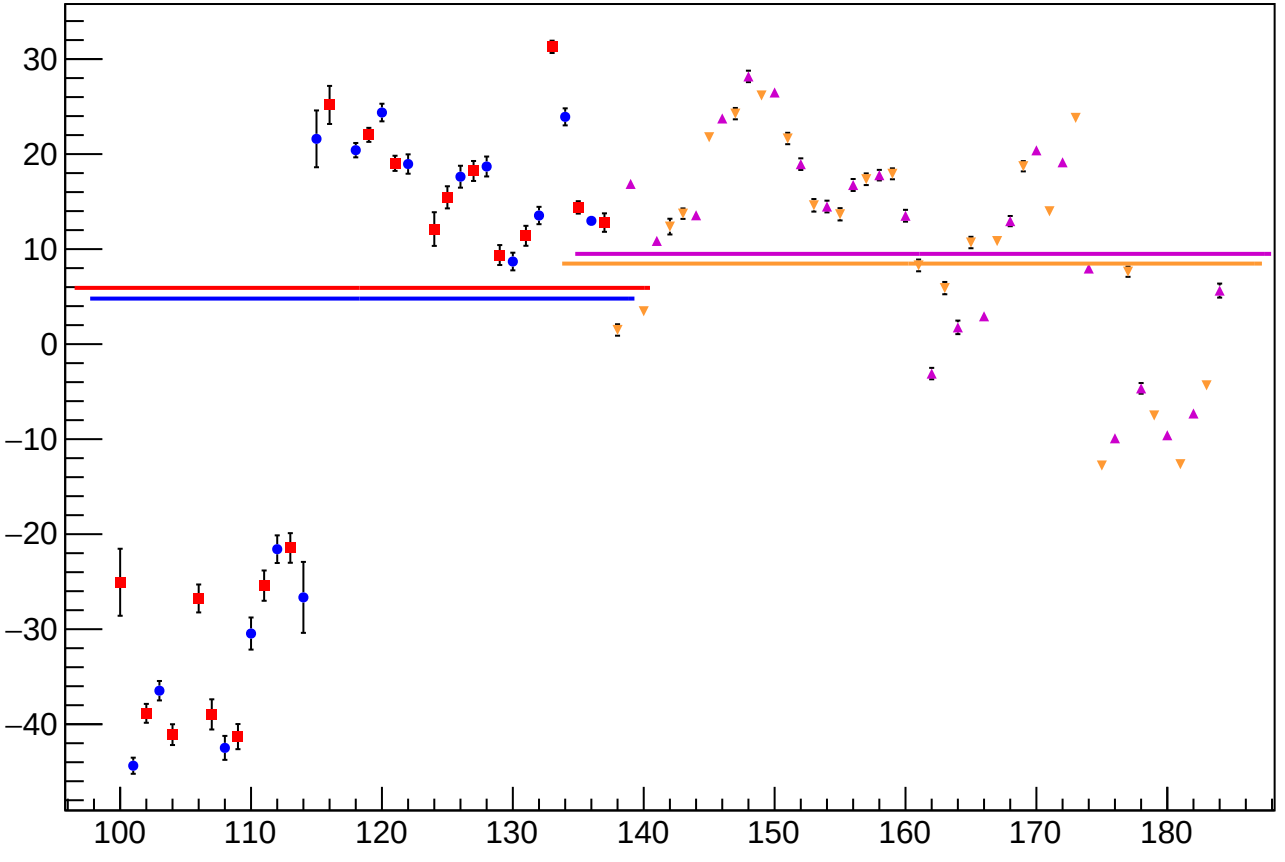
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 3.990+/-0.075 χ^2/NDF: 18077.8/39

All: 4.073+/-0.054 χ^2/NDF: 35059.4/81

- sign 4.159+/-0.077 χ^2/NDF: 16979.1/41

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

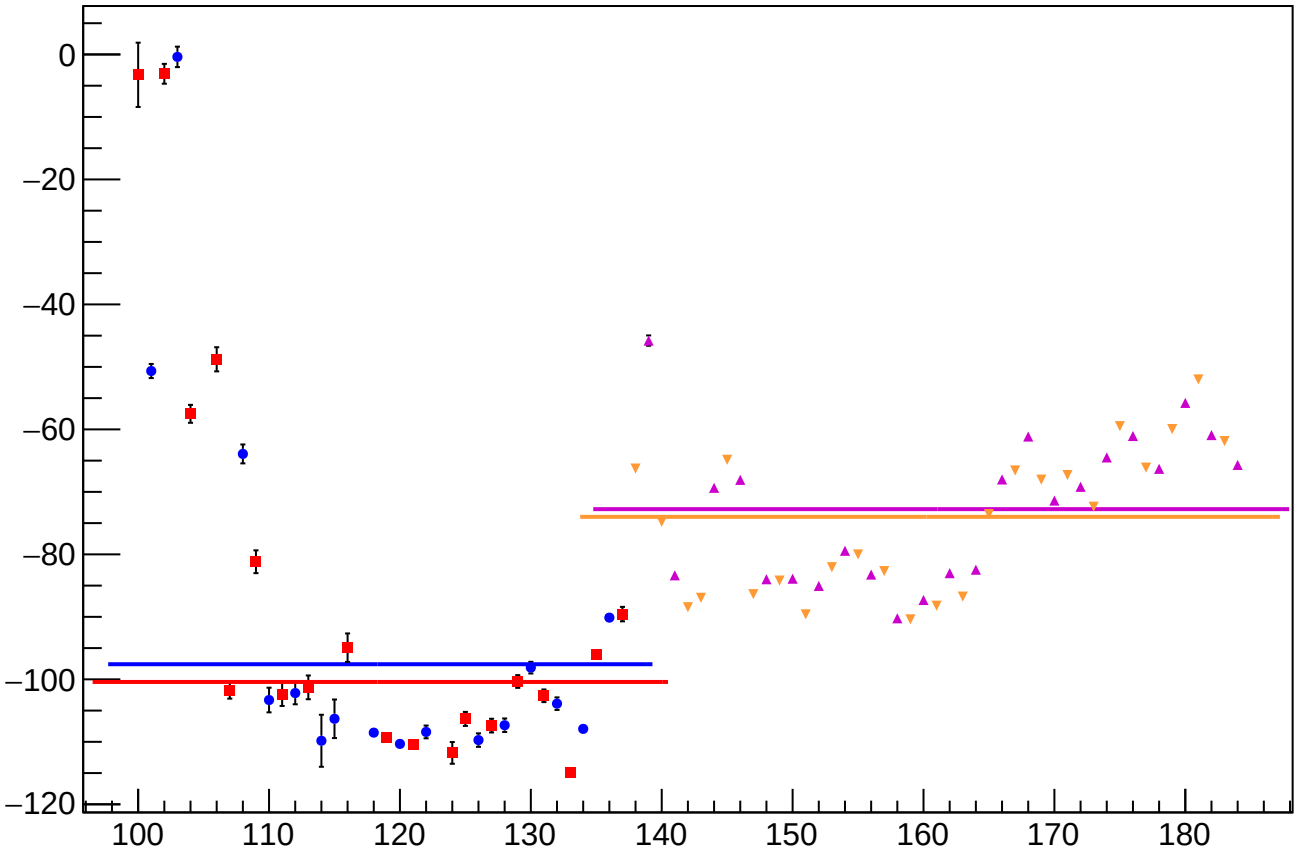
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 7.877+/-0.096 χ^2/NDF: 24268.8/39

All: 8.386+/-0.068 χ^2/NDF: 47612.3/81

- sign 8.911+/-0.097 χ^2/NDF: 23286.2/41



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

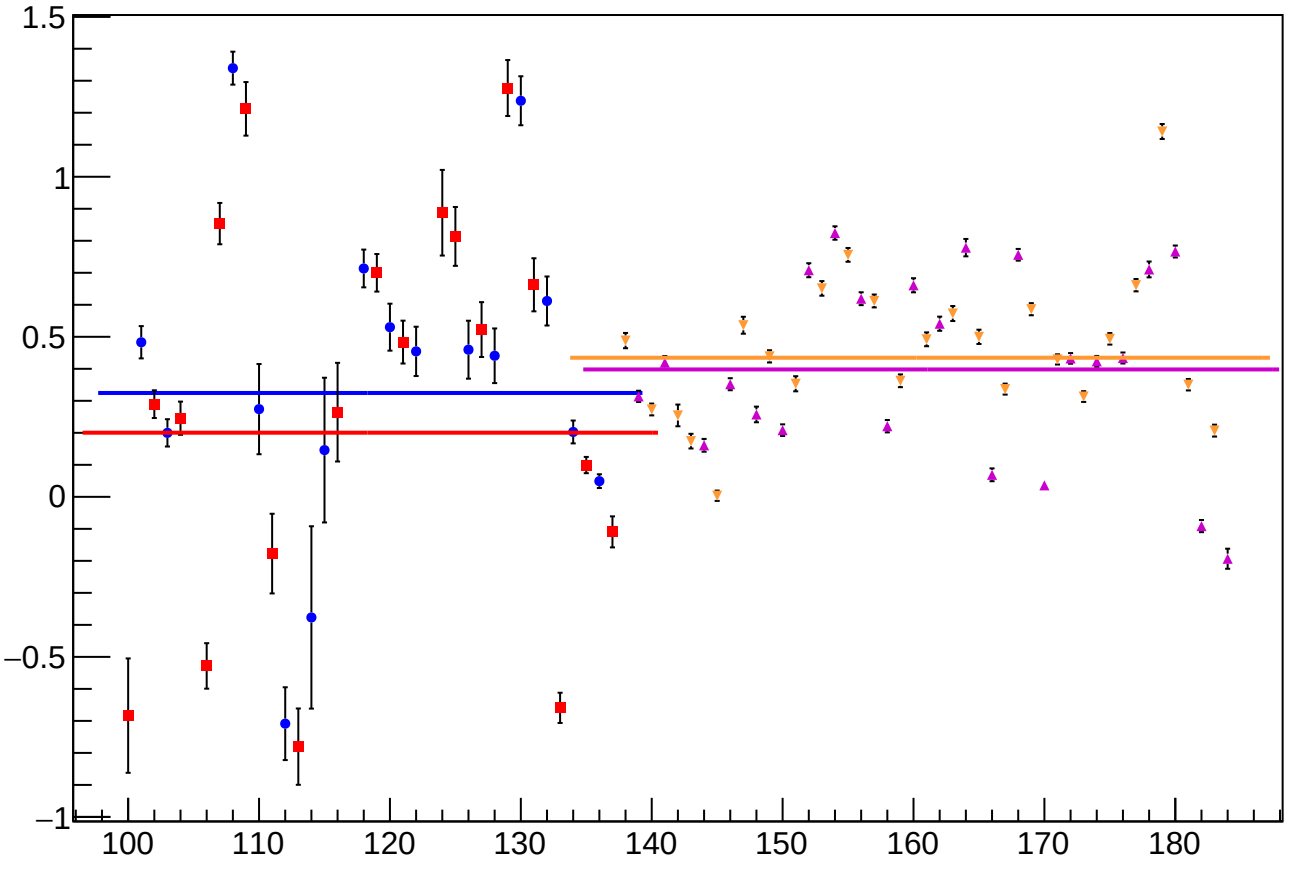
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -76.942+/-0.085 χ^2/NDF: 30989.8/39

All: -76.661+/-0.061 χ^2/NDF: 62192.7/81

- sign -76.370+/-0.087 χ^2/NDF: 31180.9/41

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

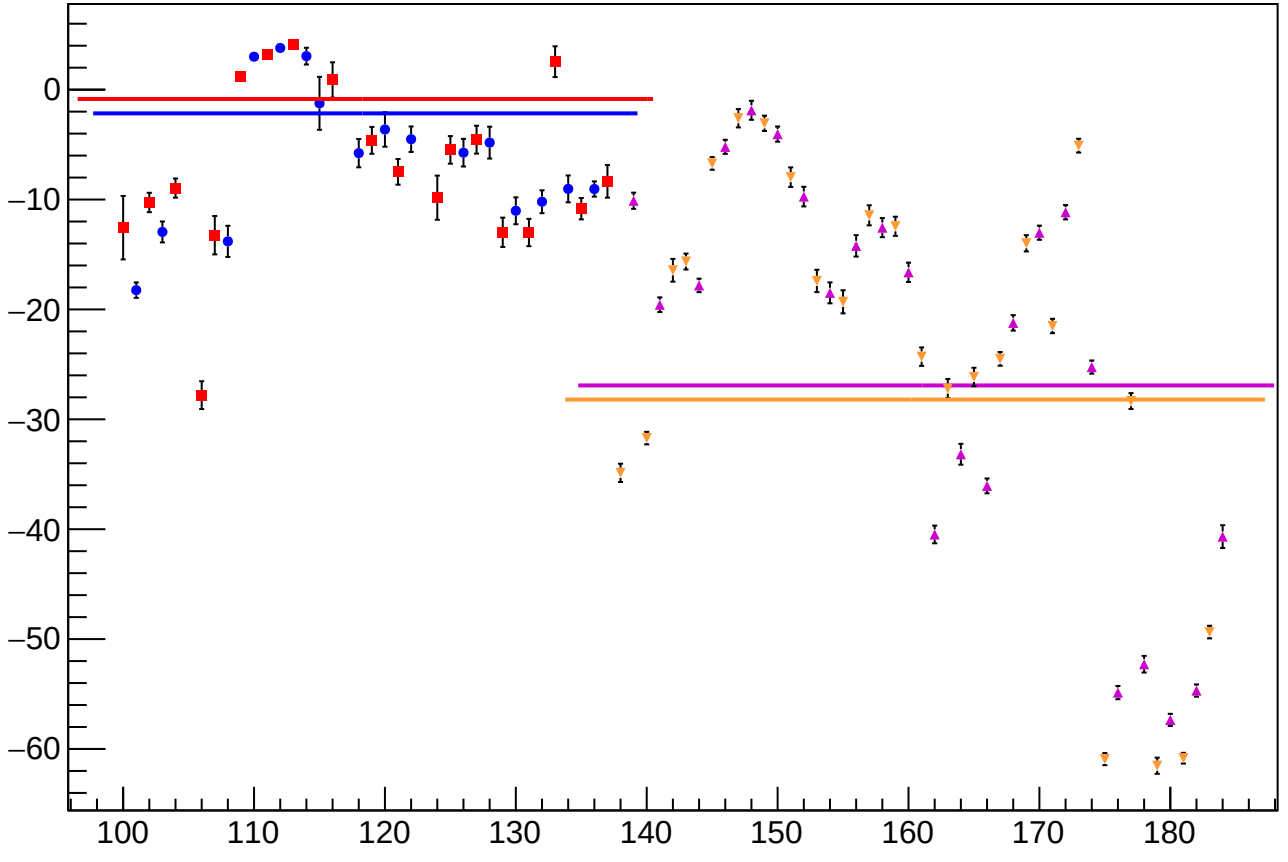
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.425+/-0.004 χ^2/NDF: 3756.0/39

All: 0.404+/-0.003 χ^2/NDF: 9480.4/81

- sign 0.382+/-0.004 χ^2/NDF: 5664.4/41

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

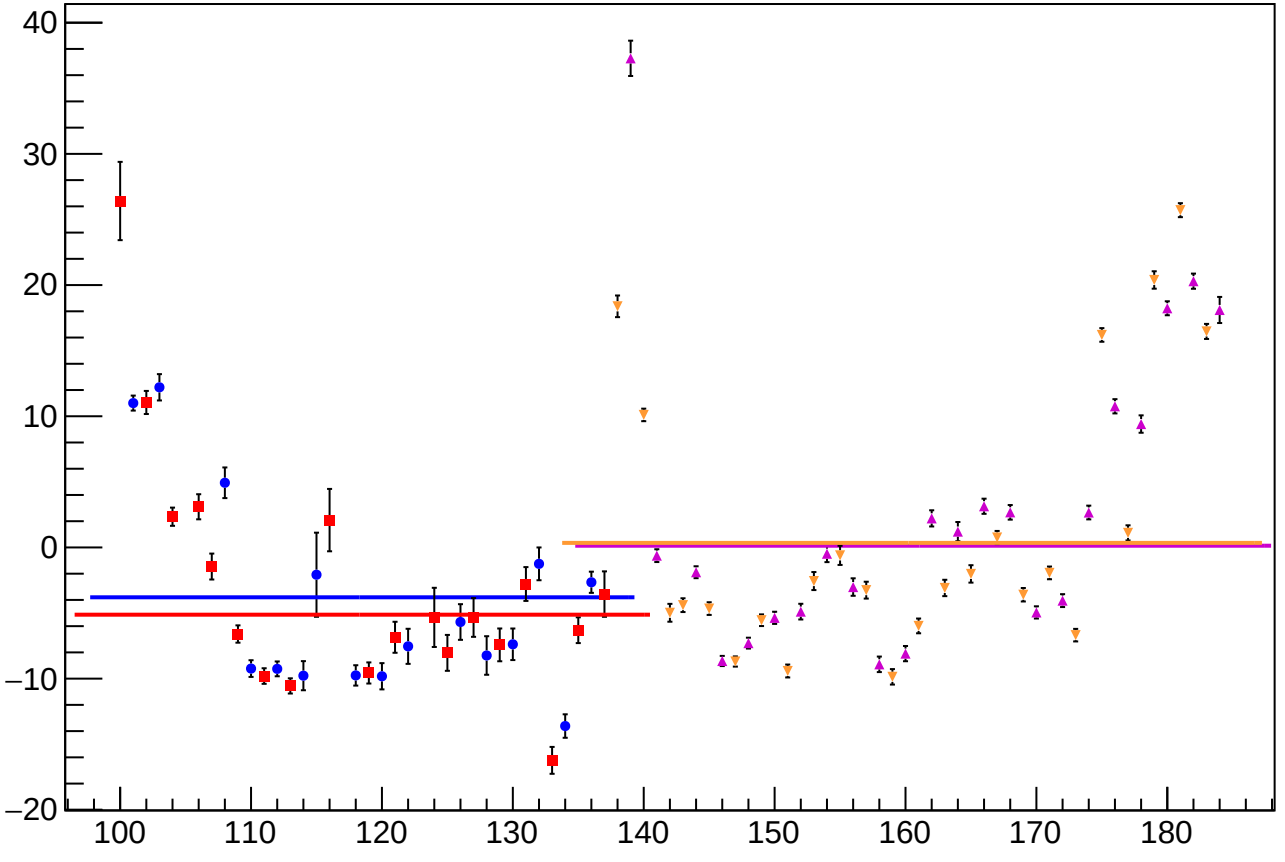
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.687+/-0.116 χ^2/NDF: 31993.9/39

All: -17.094+/-0.081 χ^2/NDF: 62609.1/81

- sign -15.604+/-0.112 χ^2/NDF: 30250.4/41

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

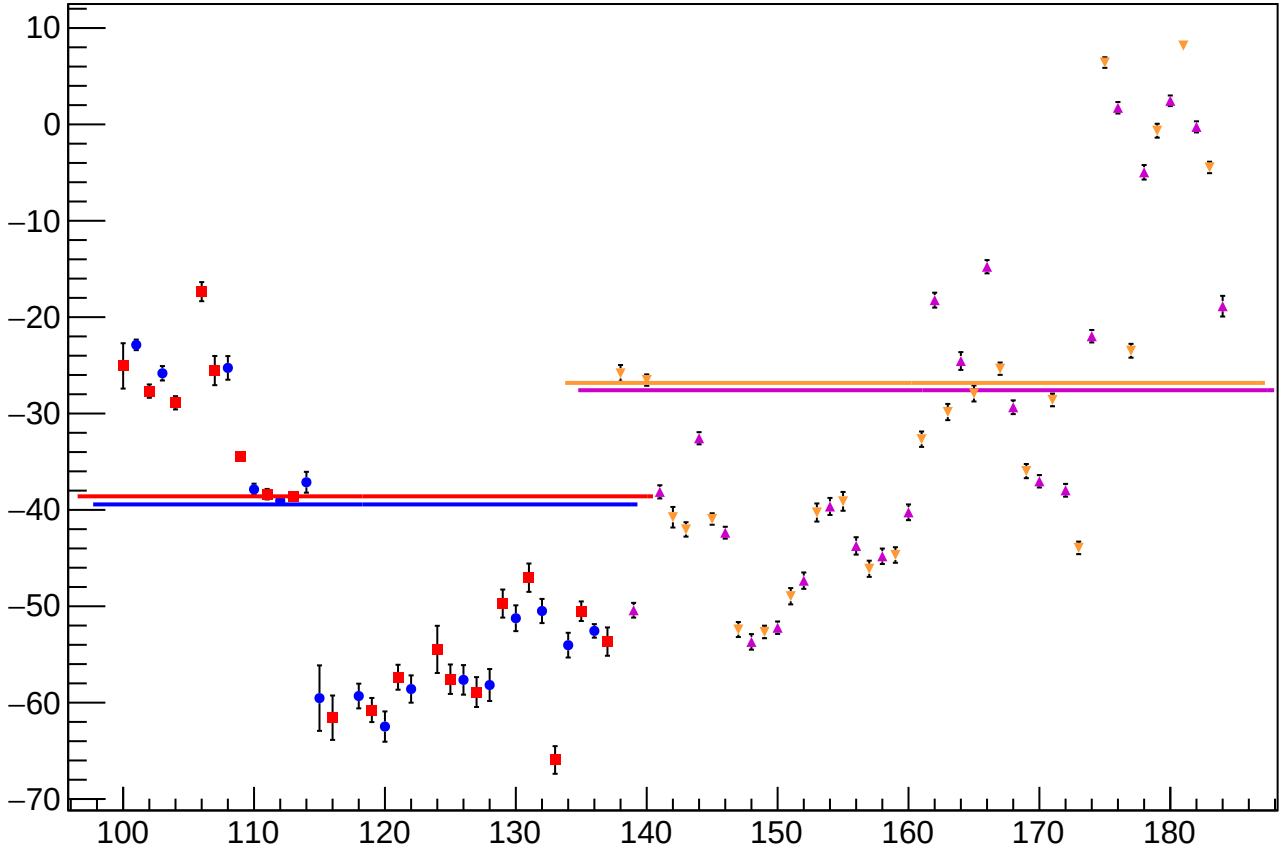
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.462+/-0.100 χ^2/NDF: 9668.3/39

All: -0.726+/-0.071 χ^2/NDF: 16954.0/81

- sign -0.999+/-0.101 χ^2/NDF: 7271.4/41

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

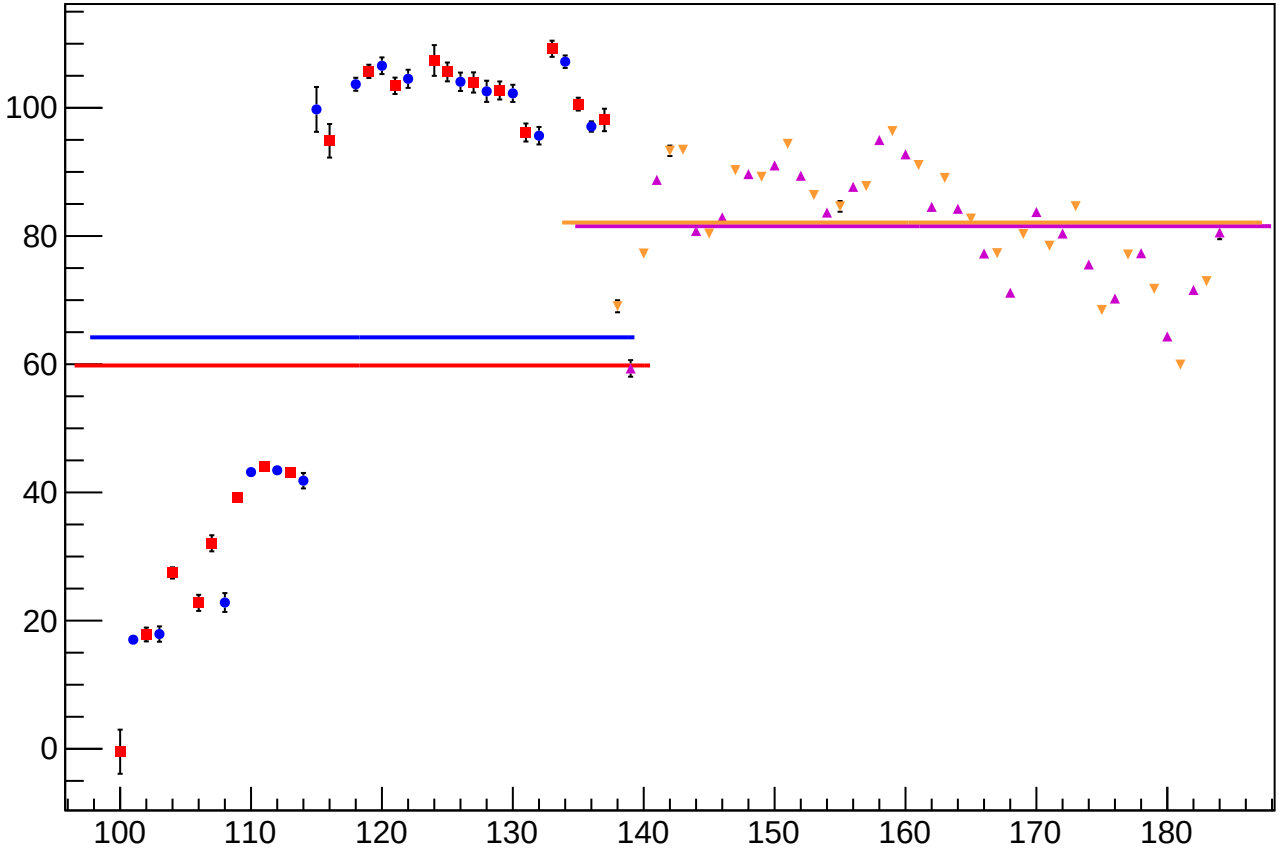
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -30.518+/-0.122 χ^2/NDF: 23145.2/39

All: -30.852+/-0.086 χ^2/NDF: 43386.4/81

- sign -31.185+/-0.122 χ^2/NDF: 20226.2/41

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 82.108+/-0.126 χ^2/NDF:5373.4/23

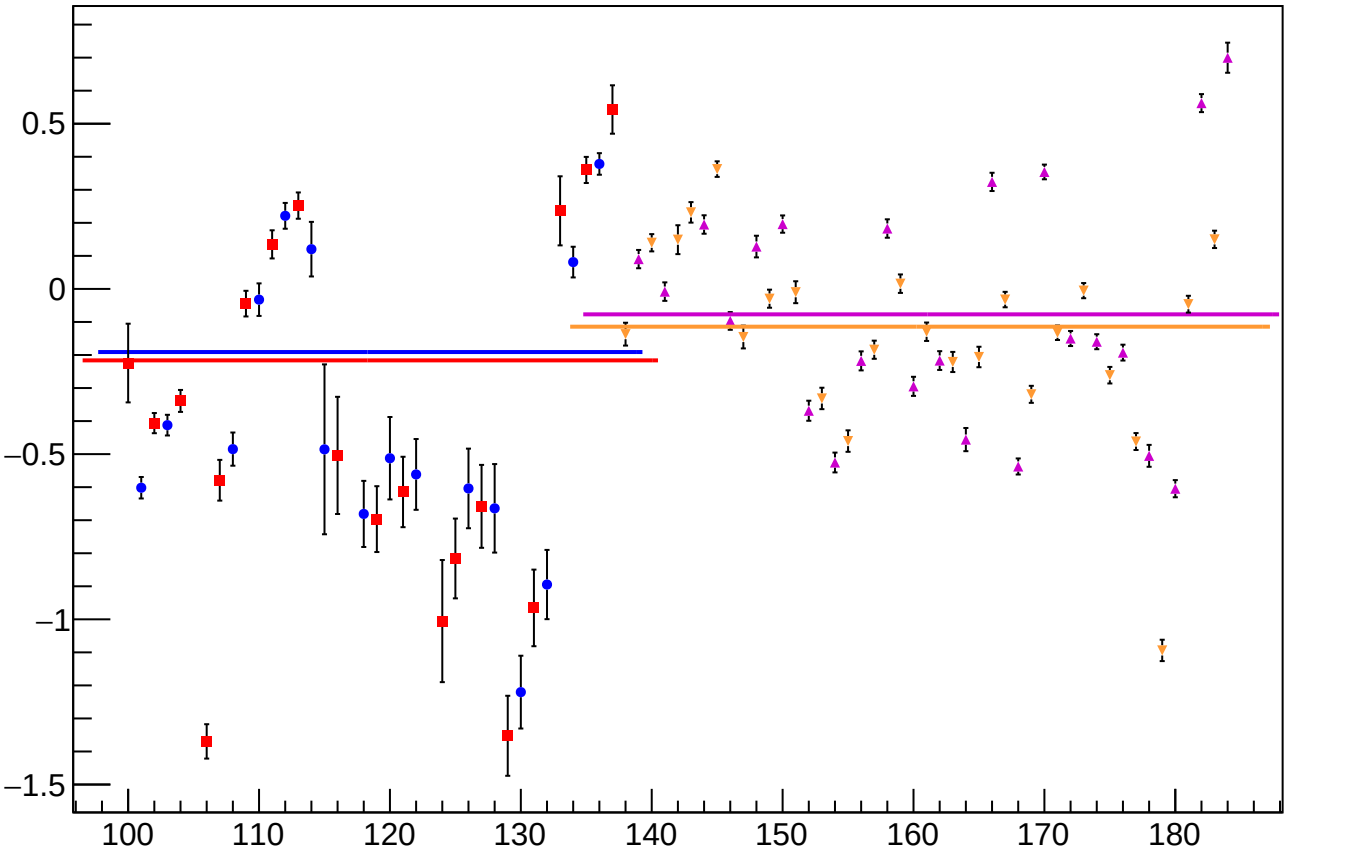
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.655+/-0.113 χ^2/NDF: 27875.9/39

All: 77.806+/-0.080 χ^2/NDF: 55481.8/81

- sign 76.935+/-0.114 χ^2/NDF: 27491.6/41



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

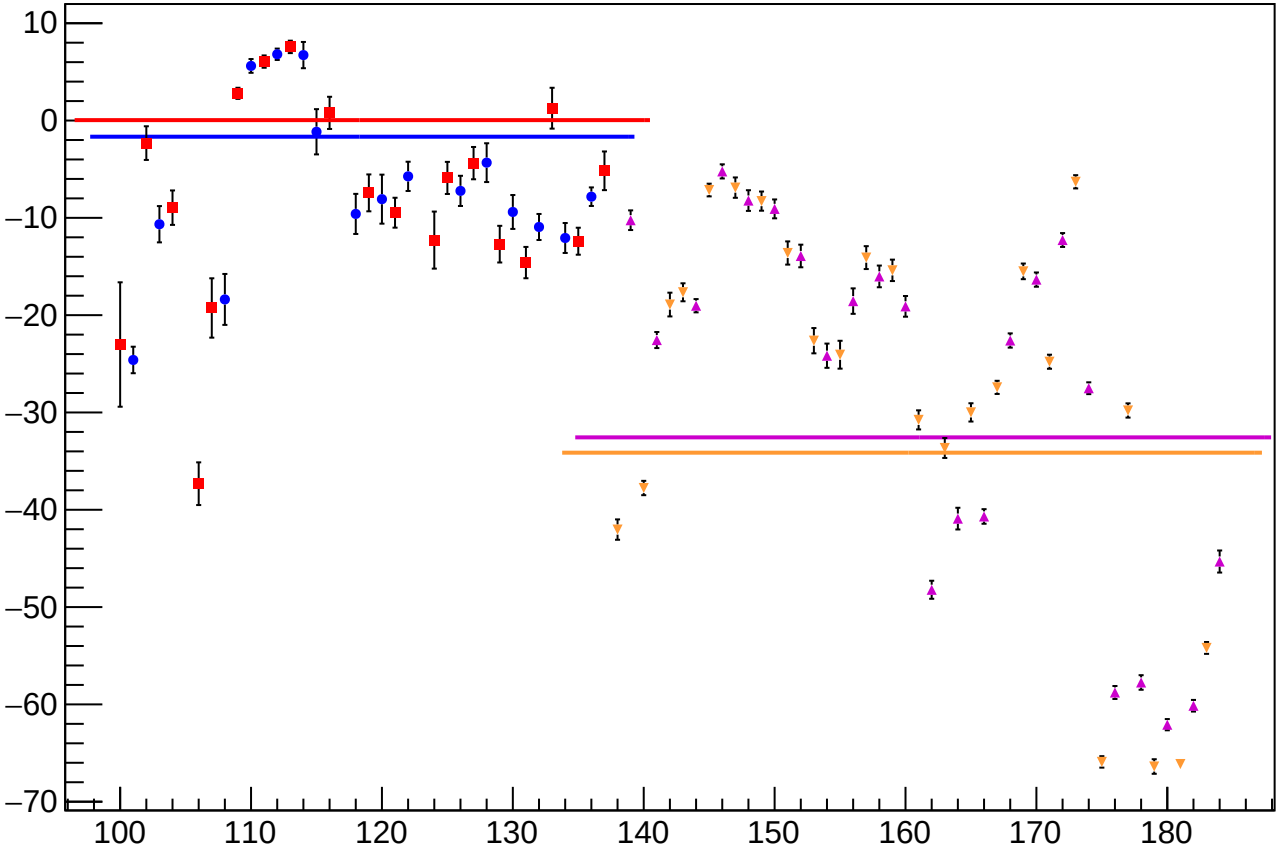
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.126+/-0.005 χ^2/NDF: 3183.6/39

All: -0.113+/-0.004 χ^2/NDF: 7981.8/81

- sign -0.100+/-0.005 χ^2/NDF: 4785.8/41

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

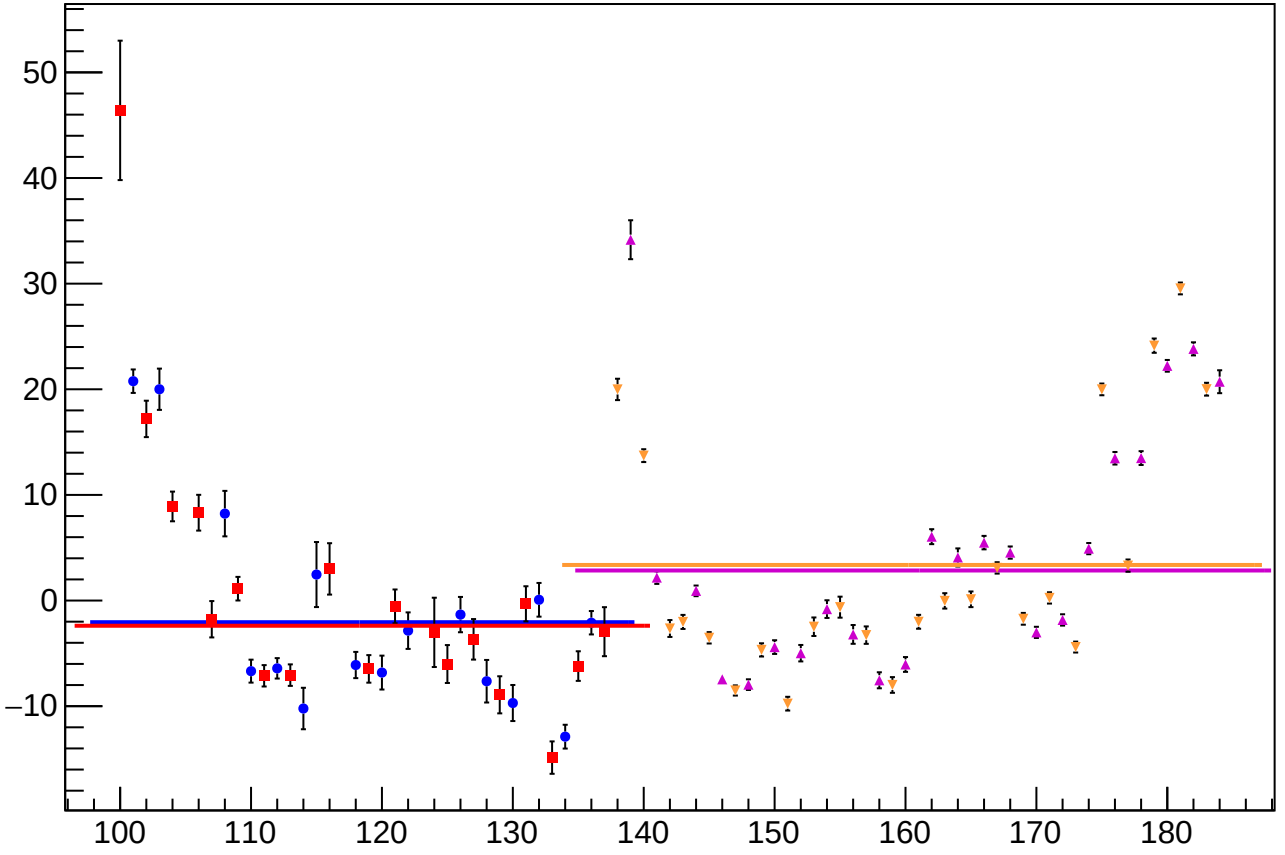
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.804+/-0.146 χ^2/NDF: 26404.8/39

All: -25.345+/-0.103 χ^2/NDF: 51254.1/81

- sign -23.908+/-0.145 χ^2/NDF: 24652.1/41

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 3.369+/-0.129 χ^2/NDF:7602.0/23

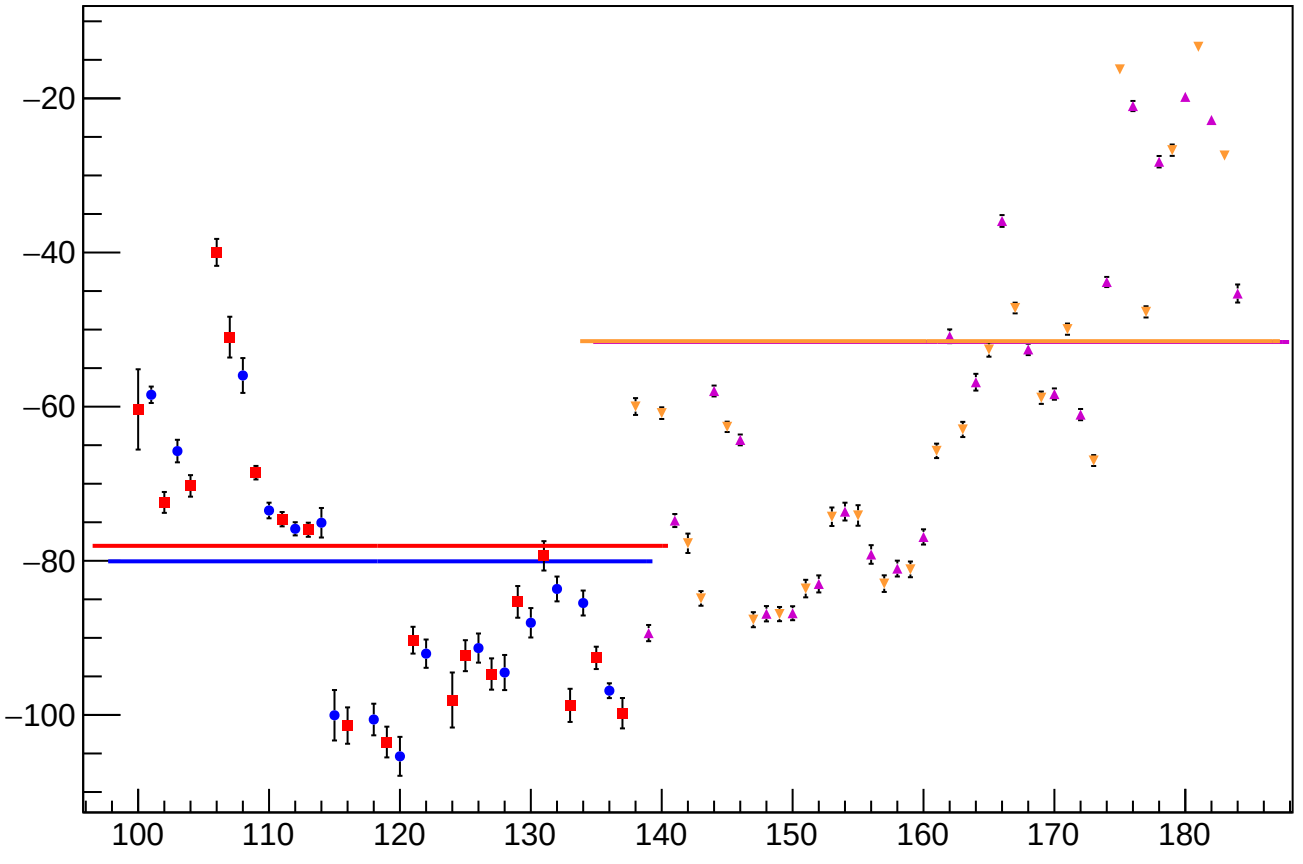
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.739+/-0.121 χ^2/NDF: 8578.6/39

All: 2.482+/-0.086 χ^2/NDF: 14684.8/81

- sign 2.217+/-0.123 χ^2/NDF: 6097.2/41



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

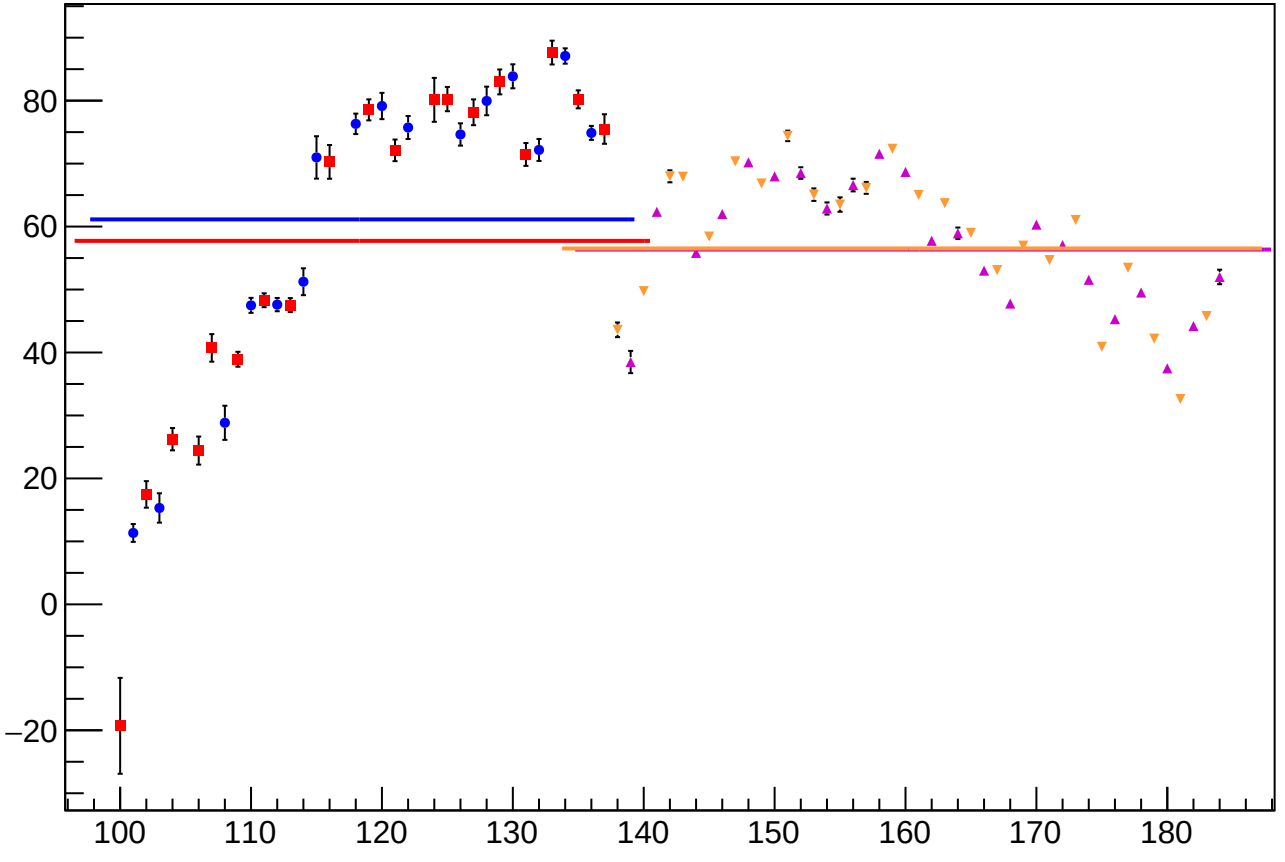
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -56.432+/-0.151 χ^2/NDF: 26927.0/39

All: -56.483+/-0.107 χ^2/NDF: 50667.5/81

- sign -56.535+/-0.153 χ^2/NDF: 23740.3/41

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



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

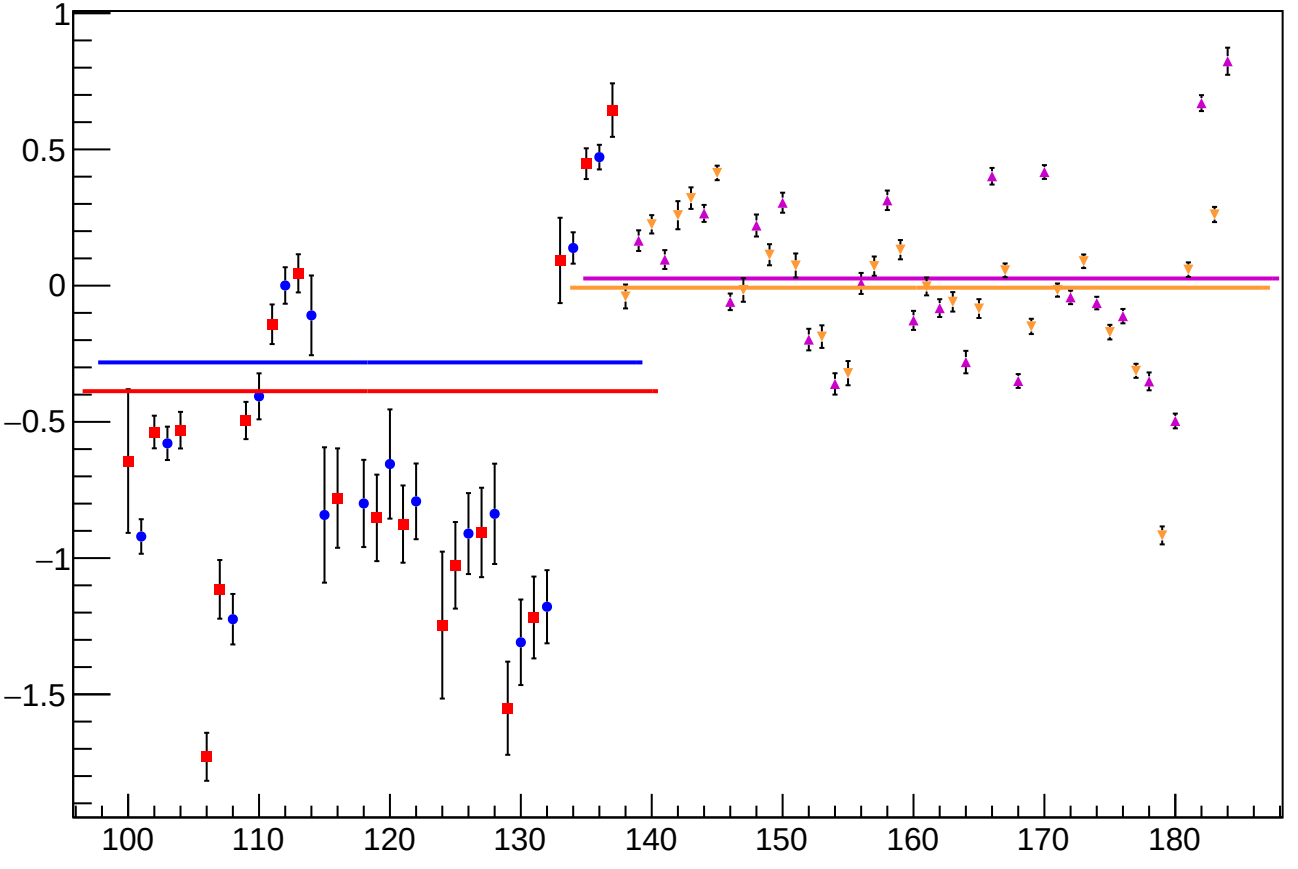
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

\+ sign 57.060+/-0.137 χ^2/NDF: 8993.3/39

All: 56.790+/-0.097 χ^2/NDF: 15756.0/81

\- sign 56.513+/-0.138 χ^2/NDF: 6754.8/41

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

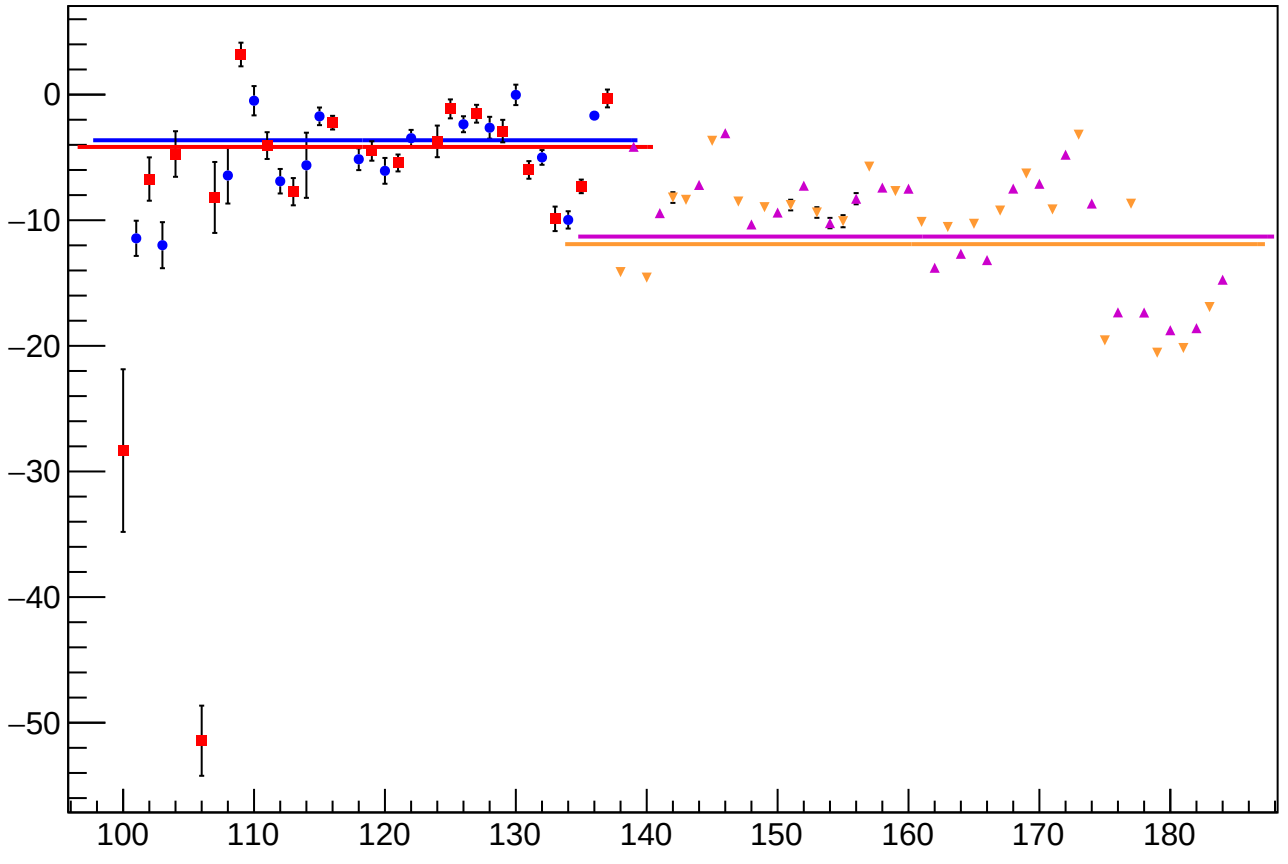
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.030+/-0.006 χ^2/NDF: 2462.3/39

All: -0.019+/-0.004 χ^2/NDF: 5963.3/81

- sign -0.008+/-0.006 χ^2/NDF: 3494.6/41



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -11.904+/-0.053 χ^2/NDF:11775.8/23

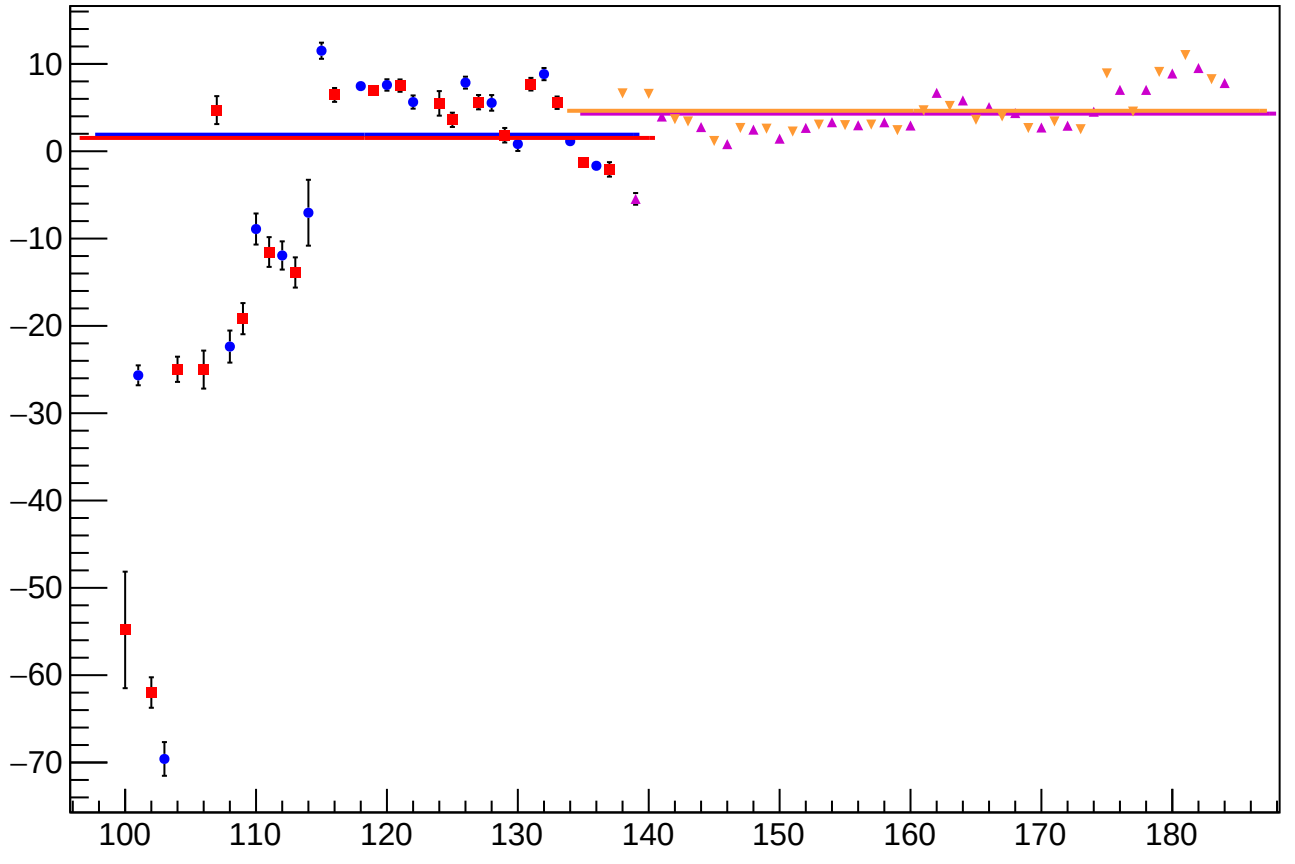
Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.297+/-0.051 χ^2/NDF: 13784.0/39

All: -11.059+/-0.037 χ^2/NDF: 24778.6/81

- sign -10.814+/-0.052 χ^2/NDF: 10951.0/41



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 4.635+/-0.042 χ^2/NDF:4198.0/23

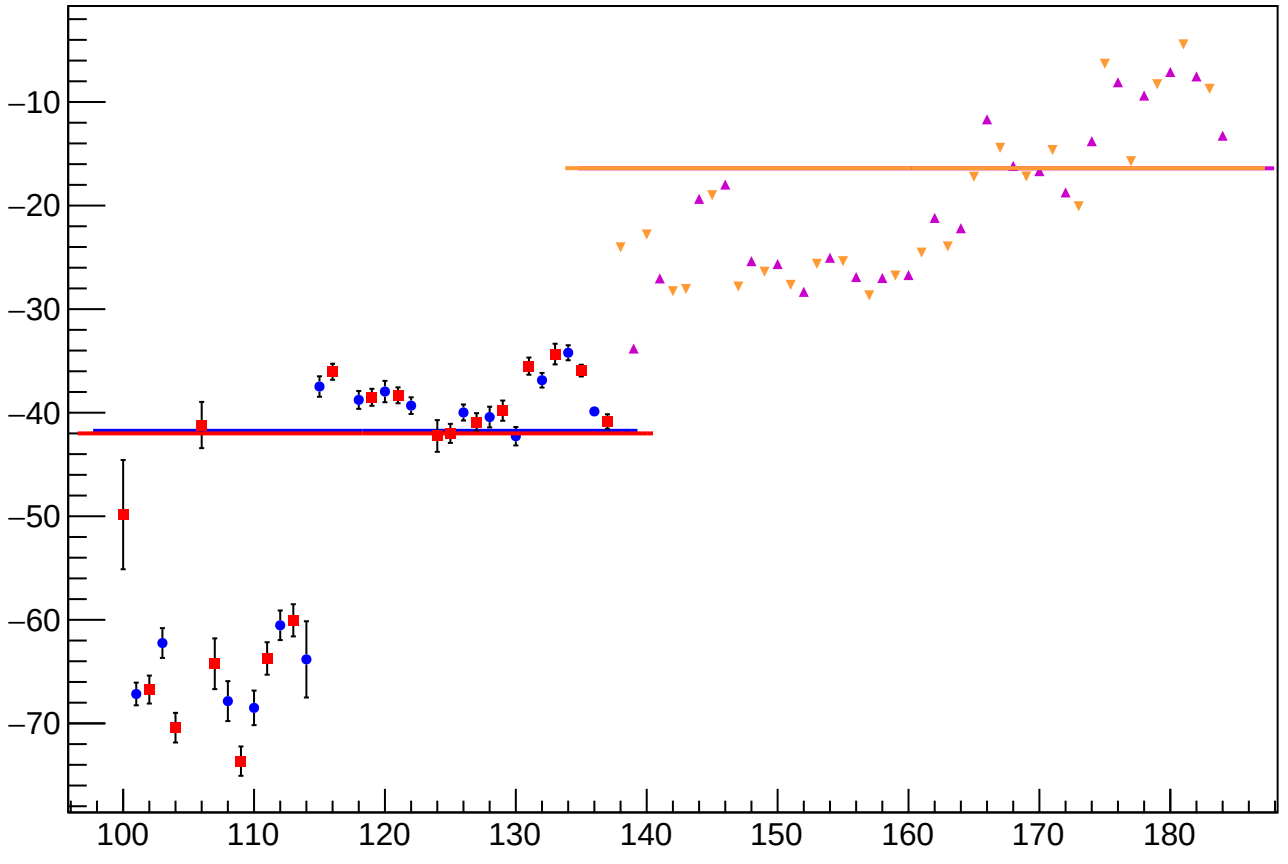
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.508+/-0.041 χ^2/NDF: 7236.0/39

All: 4.355+/-0.029 χ^2/NDF: 13604.7/81

- sign 4.199+/-0.041 χ^2/NDF: 6340.3/41



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

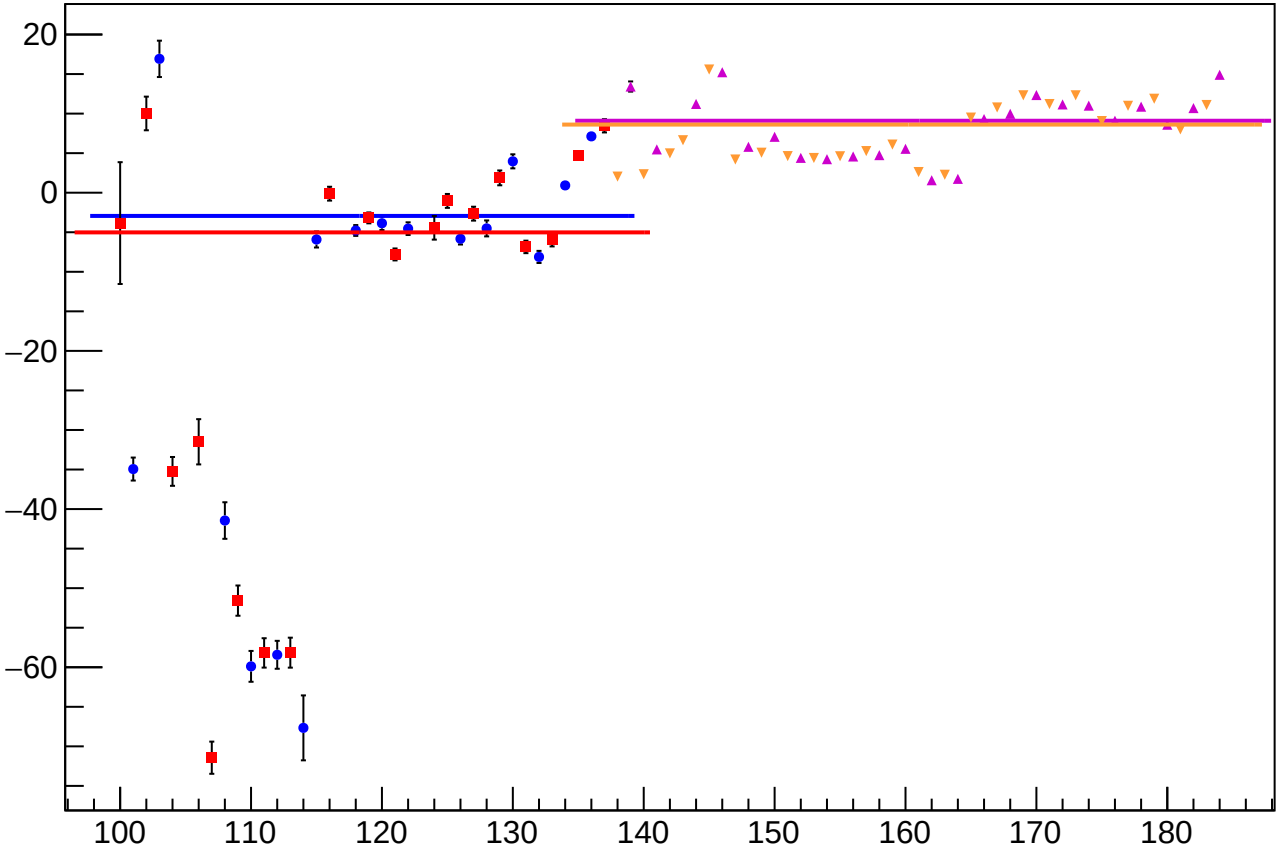
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -17.958+/-0.052 χ^2/NDF: 37427.3/39

All: -17.858+/-0.037 χ^2/NDF: 69362.0/81

- sign -17.755+/-0.052 χ^2/NDF: 31927.1/41

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

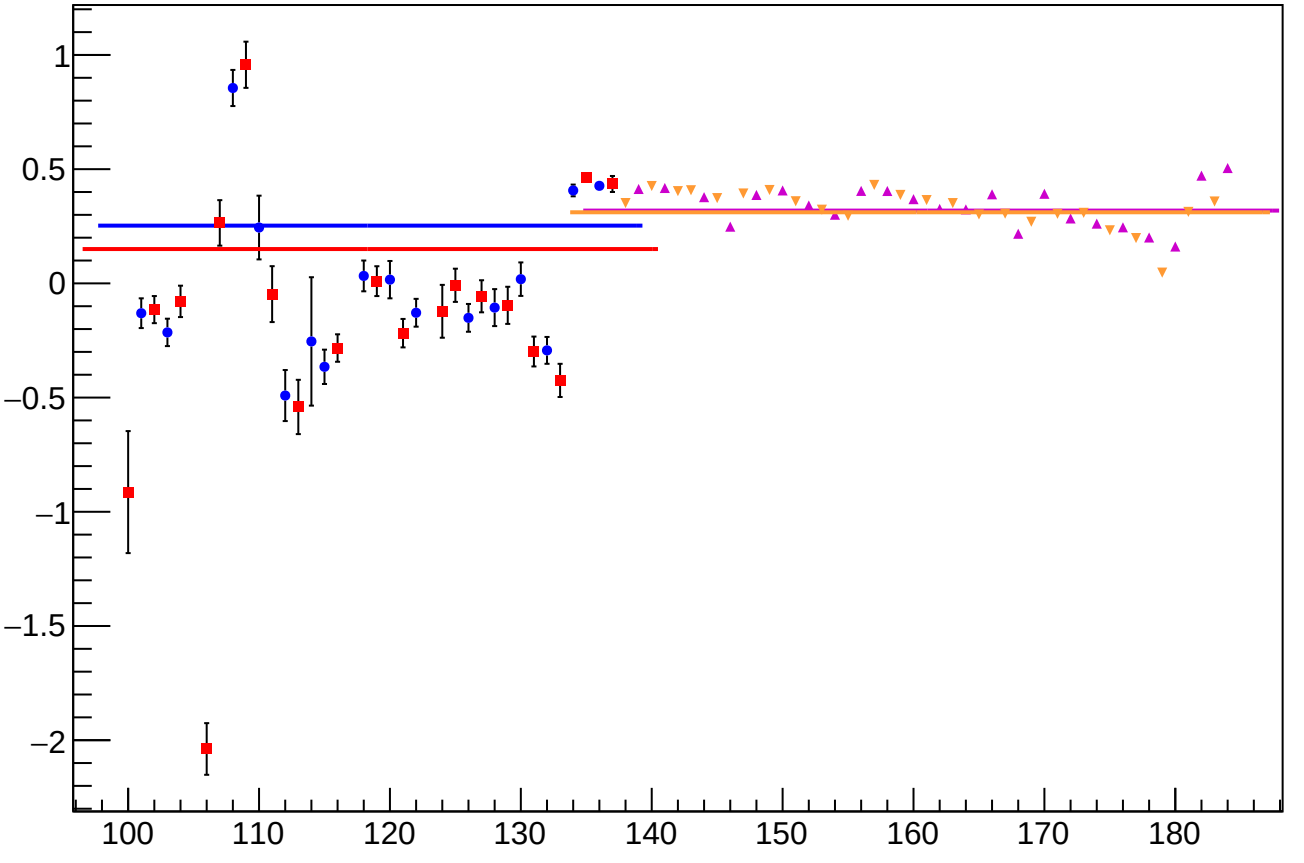
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

\+ sign 8.067+/-0.046 χ^2/NDF: 13152.1/39

All: 8.299+/-0.032 χ^2/NDF: 26882.0/81

\- sign 8.537+/-0.046 χ^2/NDF: 13677.5/41

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

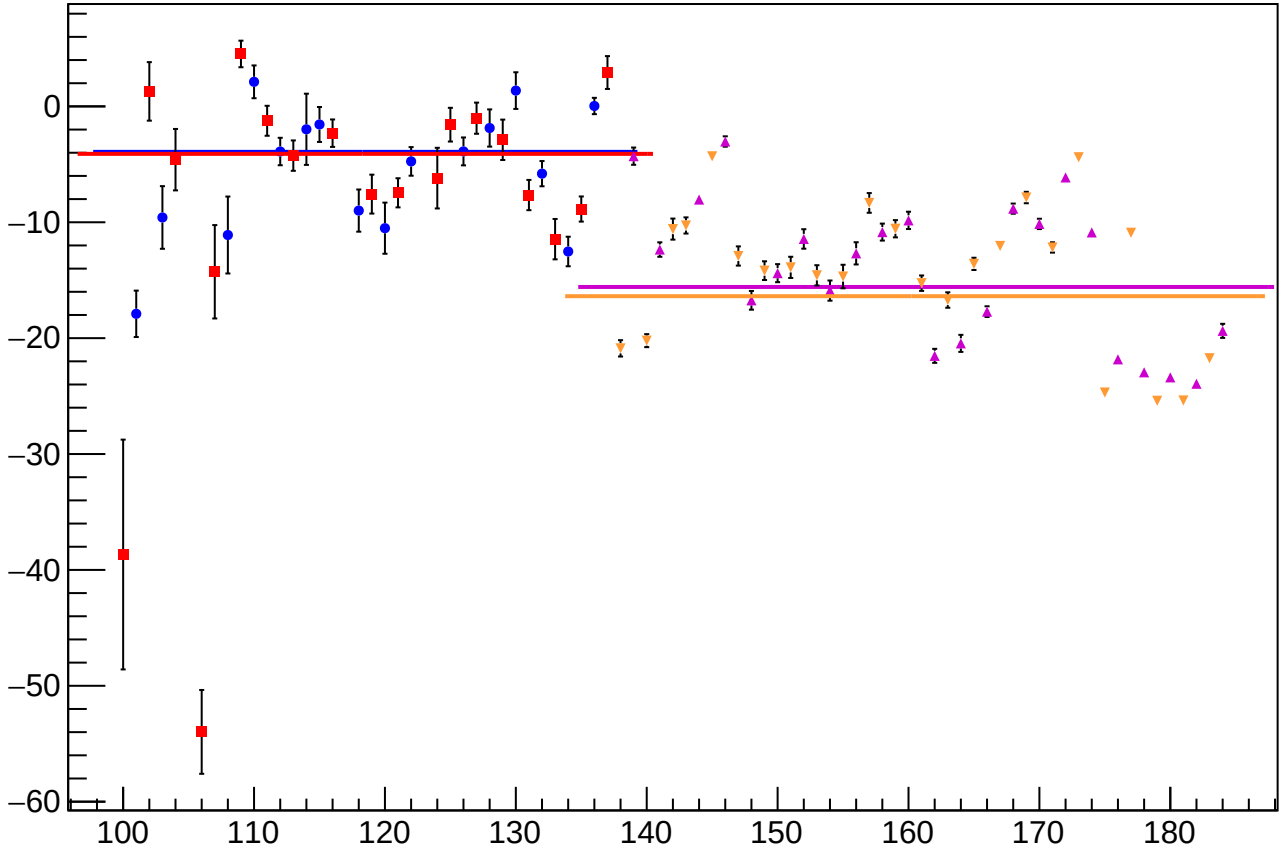
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.309+/-0.002 χ^2/NDF: 2194.8/39

All: 0.312+/-0.001 χ^2/NDF: 5158.8/81

- sign 0.315+/-0.002 χ^2/NDF: 2960.9/41

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



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

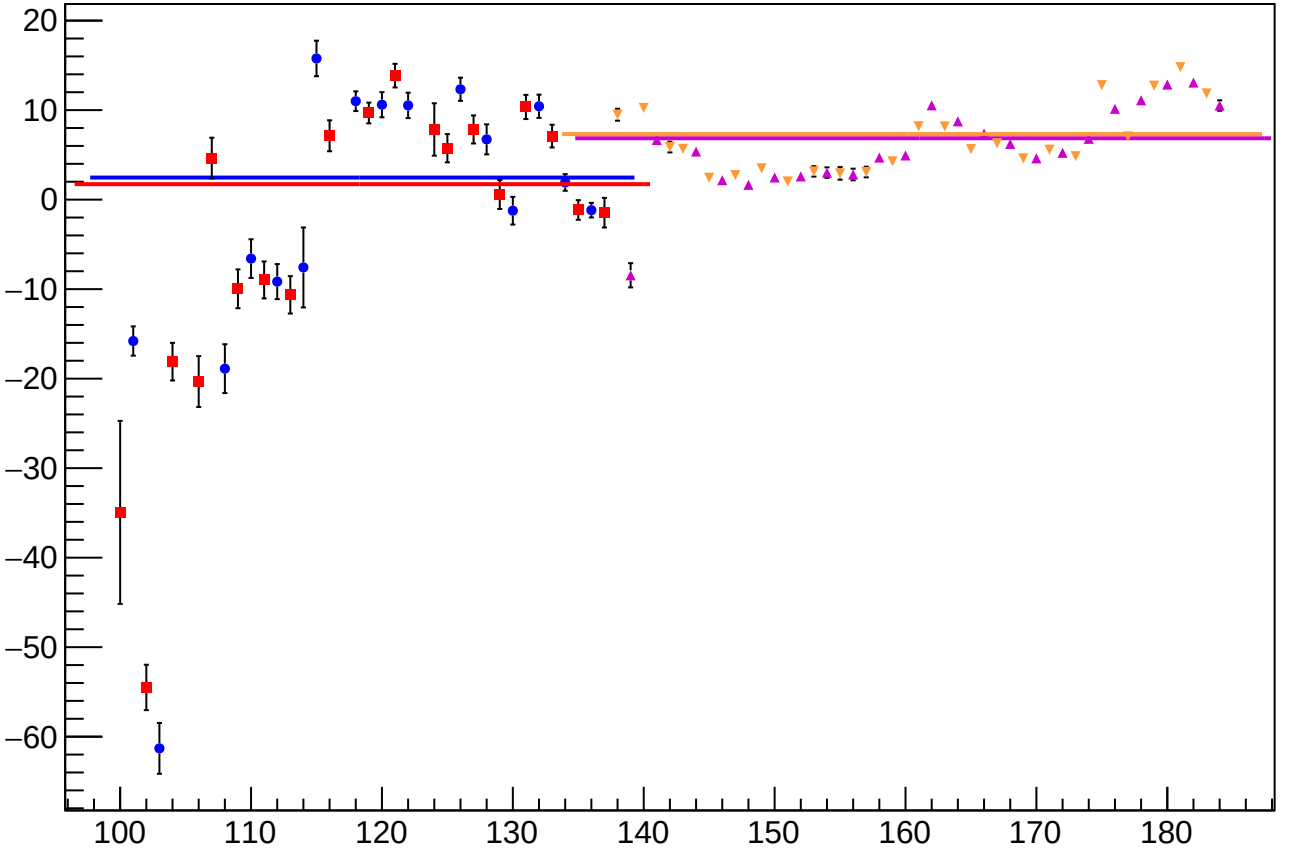
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.407+/-0.097 χ^2/NDF: 6801.2/39

All: -15.066+/-0.069 χ^2/NDF: 12911.2/81

- sign -14.715+/-0.098 χ^2/NDF: 6084.7/41

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

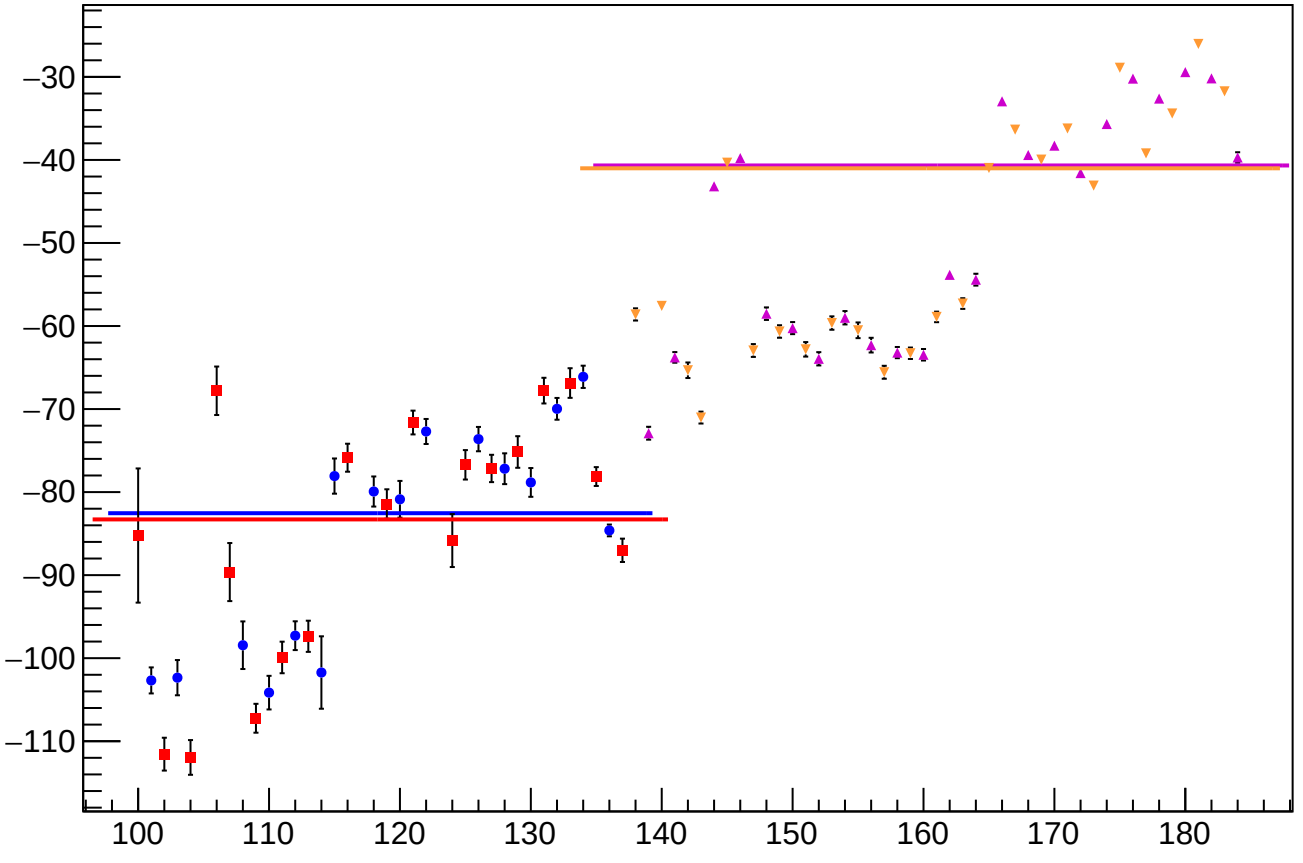
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 7.084+/-0.079 χ^2/NDF: 3600.9/39

All: 6.862+/-0.056 χ^2/NDF: 6925.1/81

- sign 6.639+/-0.079 χ^2/NDF: 3308.5/41

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

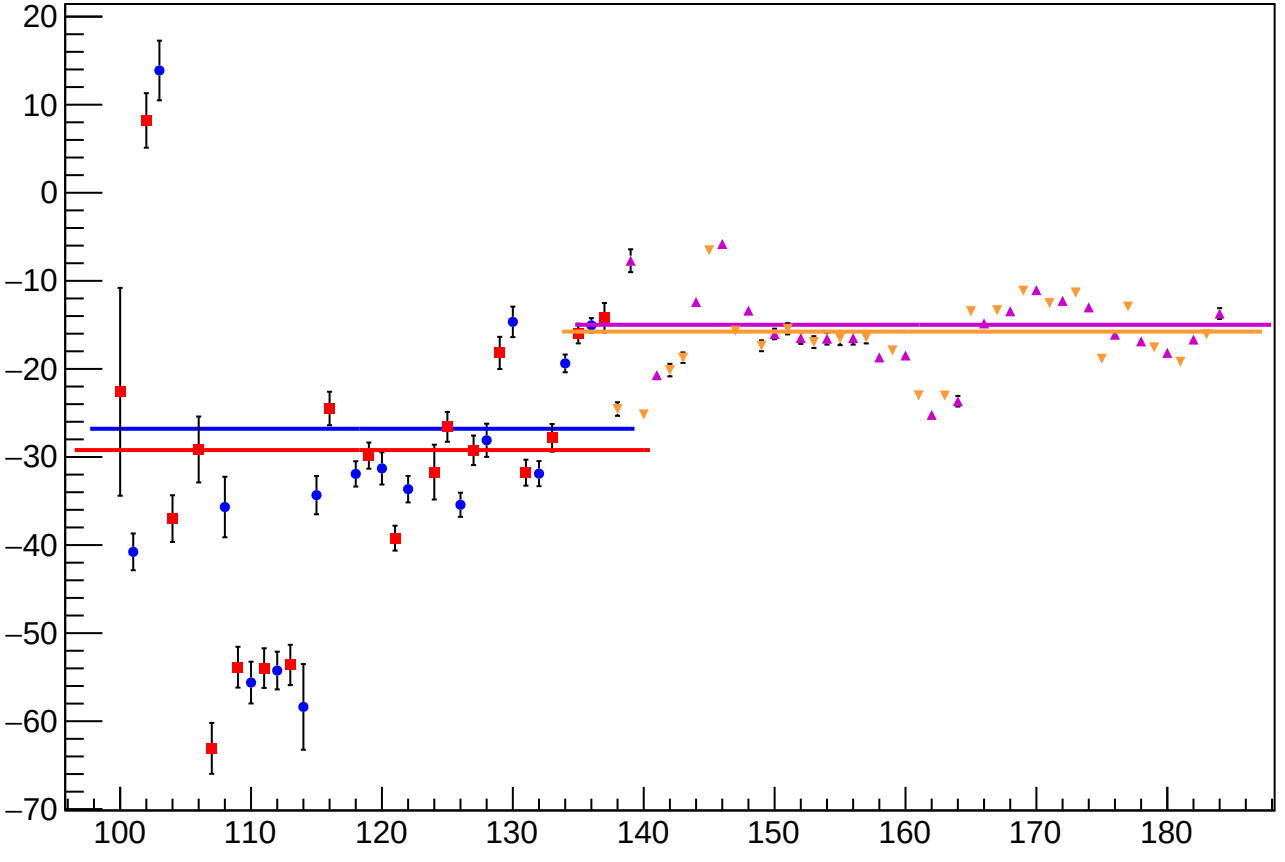
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.703+/-0.098 χ^2/NDF: 27719.0/39

All: -43.411+/-0.070 χ^2/NDF: 52350.5/81

- sign -43.112+/-0.099 χ^2/NDF: 24613.5/41

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

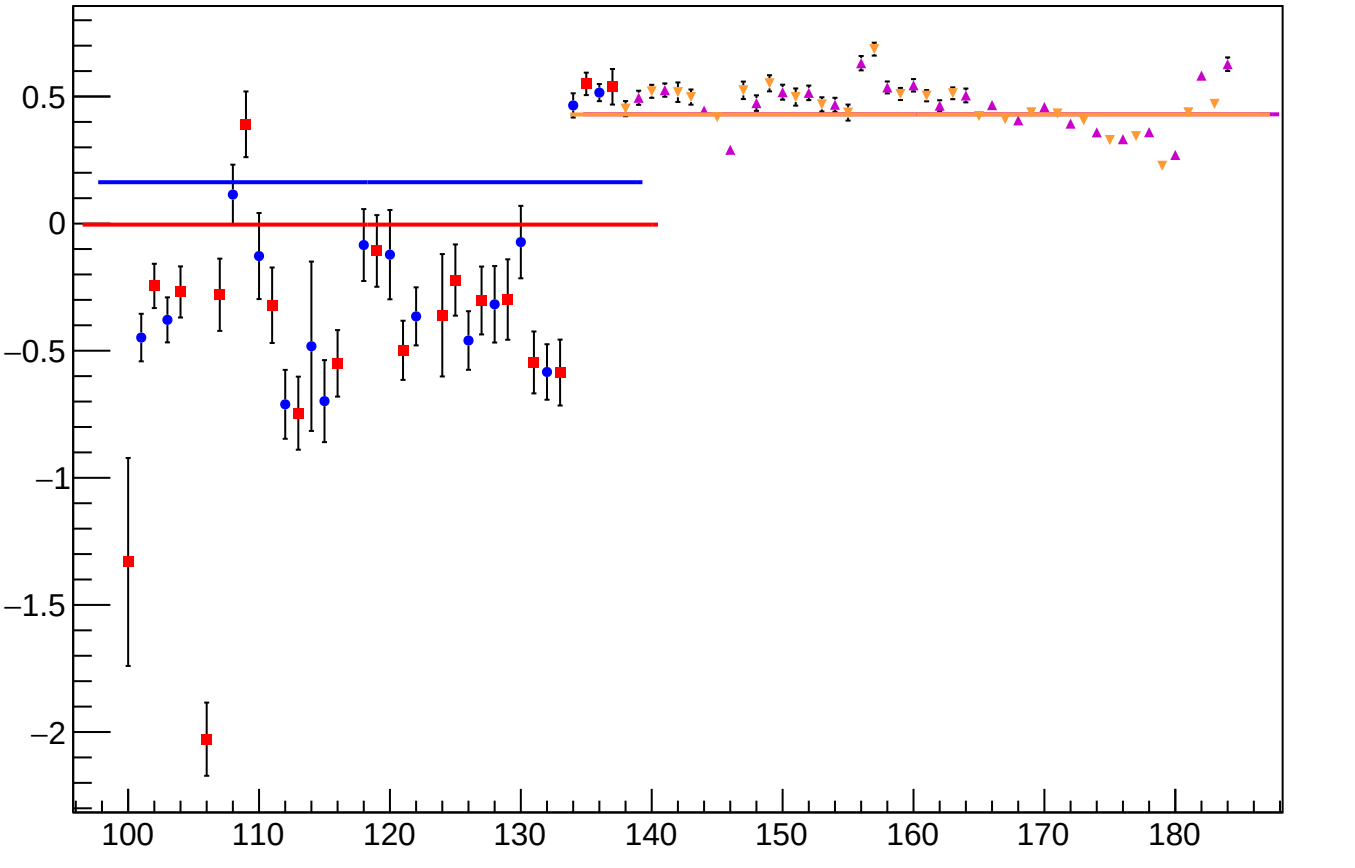
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.307+/-0.088 χ^2/NDF: 4054.6/39

All: -15.950+/-0.062 χ^2/NDF: 8242.8/81

- sign -15.588+/-0.088 χ^2/NDF: 4154.8/41



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

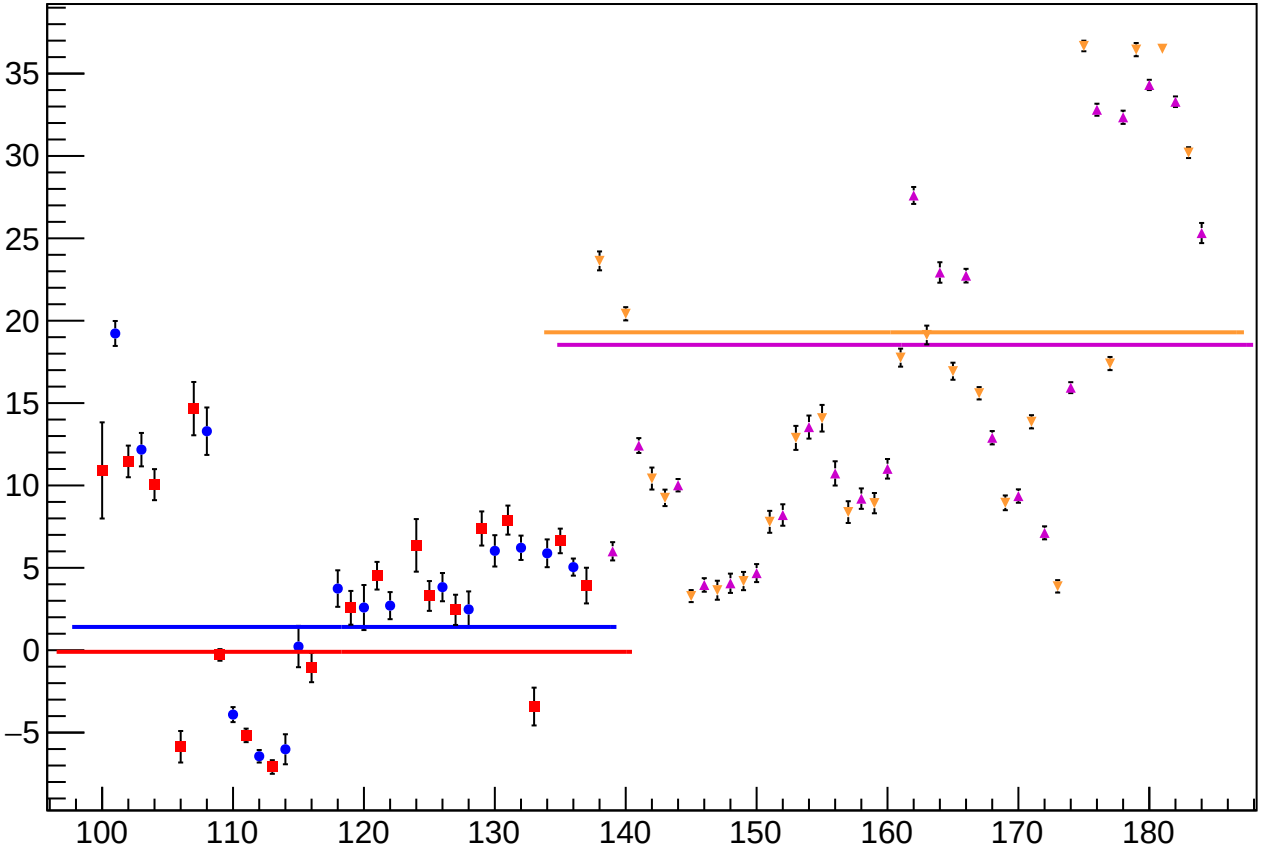
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.420+/-0.004 χ^2/NDF: 987.6/39

All: 0.419+/-0.003 χ^2/NDF: 2452.2/81

- sign 0.418+/-0.004 χ^2/NDF: 1464.5/41

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

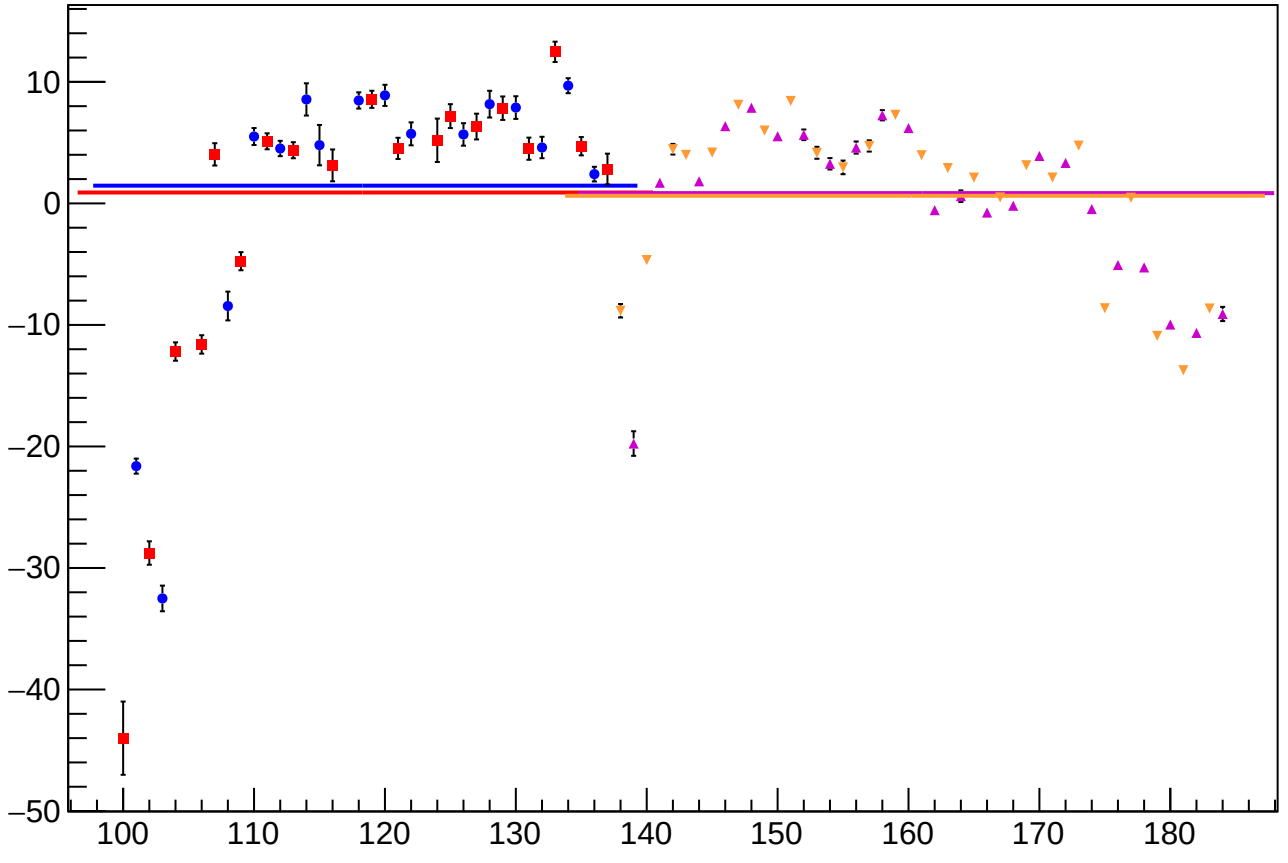
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.730+/-0.082 χ^2/NDF: 26443.4/39

All: 14.924+/-0.058 χ^2/NDF: 51307.1/81

- sign 14.124+/-0.081 χ^2/NDF: 24669.9/41

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

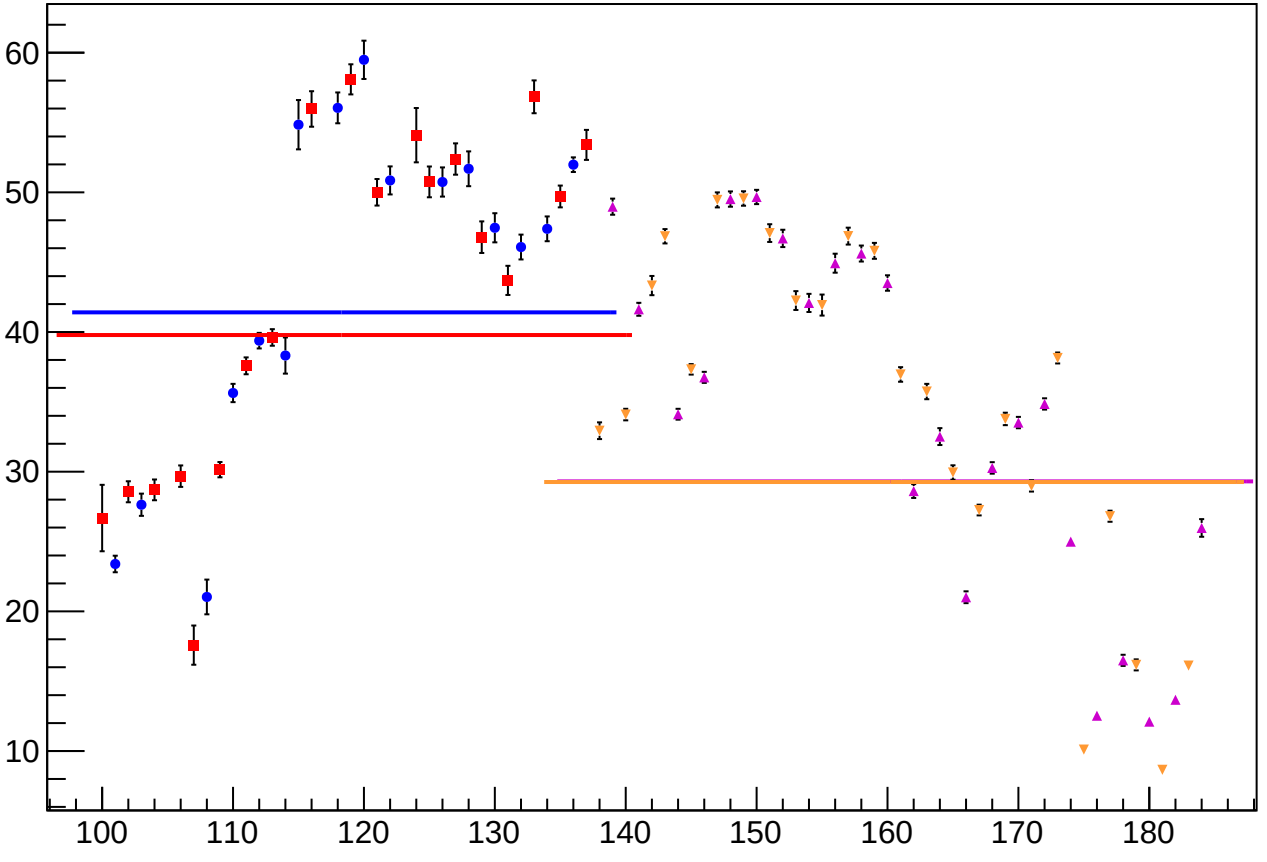
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.718+/-0.067 χ^2/NDF: 11270.6/39

All: 0.784+/-0.048 χ^2/NDF: 19695.1/81

- sign 0.852+/-0.068 χ^2/NDF: 8422.5/41

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

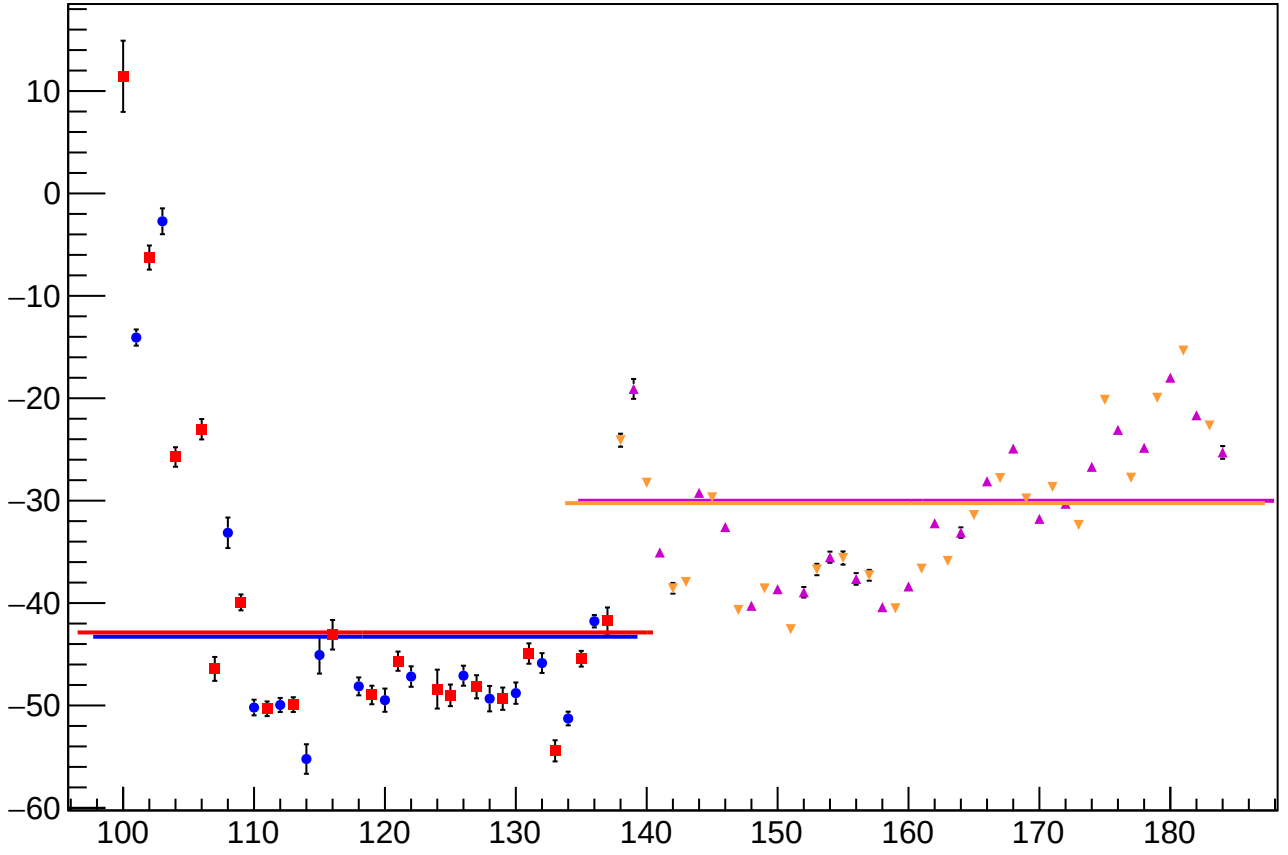
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.188+/-0.084 χ^2/NDF: 26199.4/39

All: 31.159+/-0.060 χ^2/NDF: 48927.4/81

- sign 31.128+/-0.085 χ^2/NDF: 22727.7/41

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

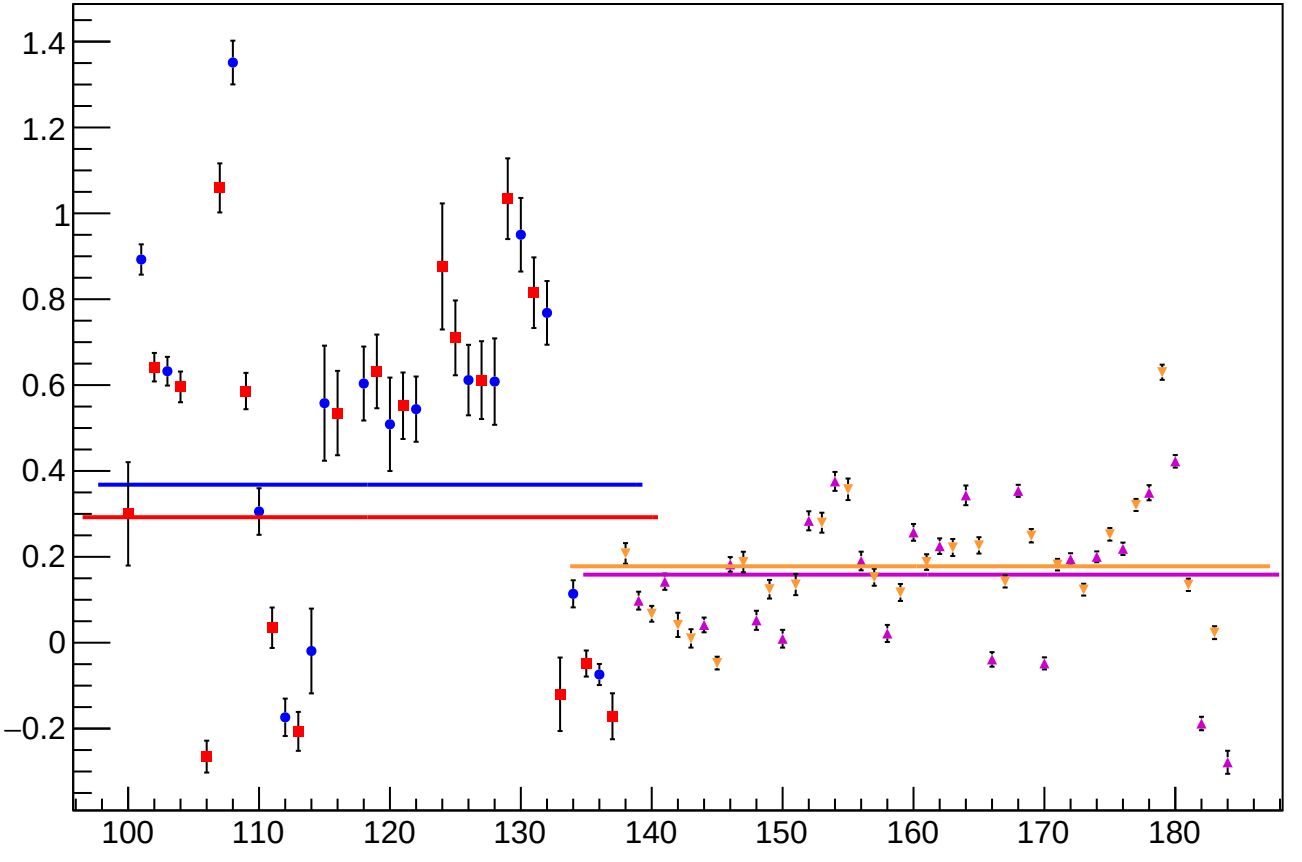
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.657+/-0.076 χ^2/NDF: 14363.5/39

All: -31.555+/-0.054 χ^2/NDF: 25702.4/81

- sign -31.451+/-0.077 χ^2/NDF: 11335.2/41

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

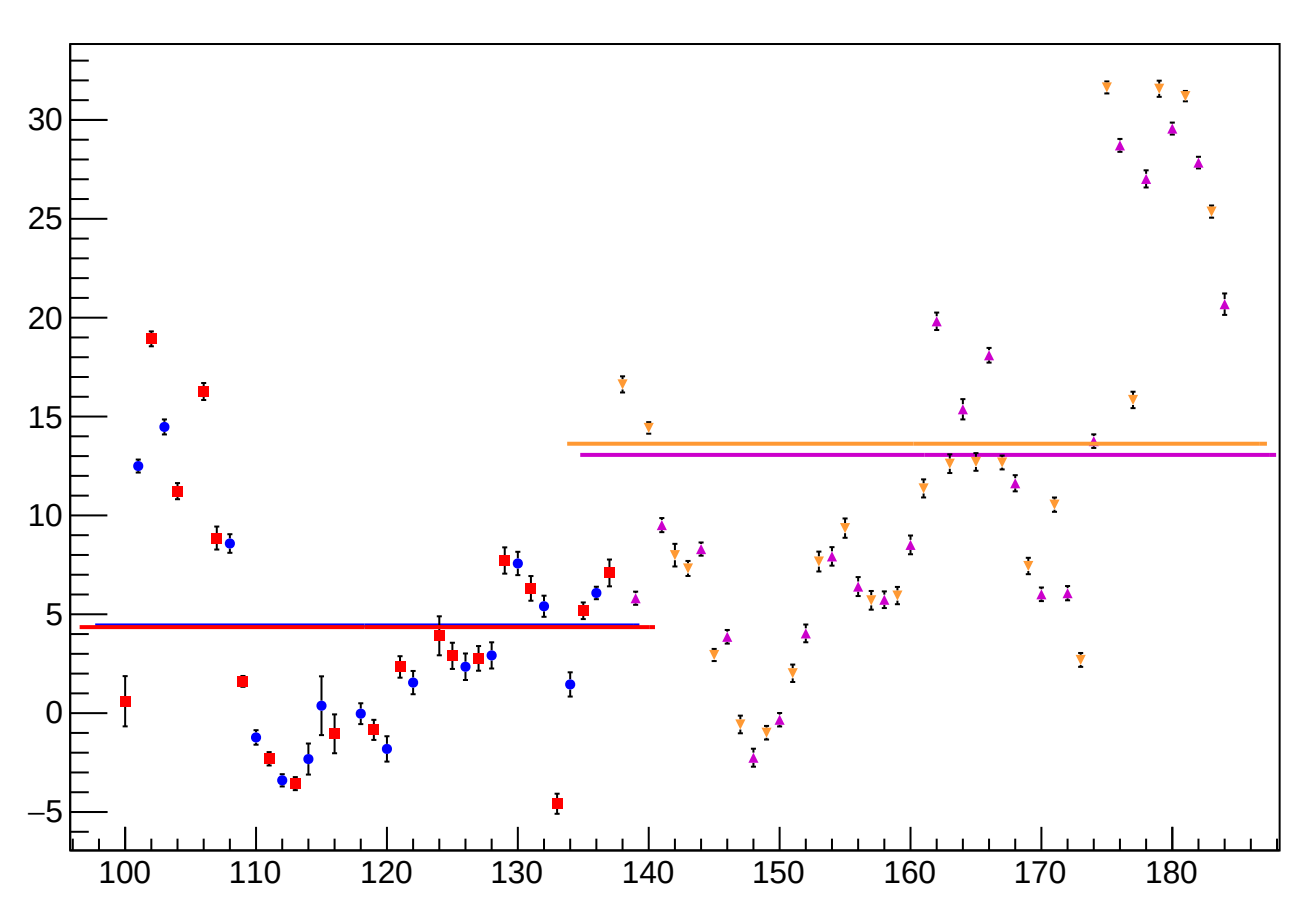
Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.193+/-0.003 χ^2/NDF: 2936.6/39

All: 0.181+/-0.002 χ^2/NDF: 6458.3/81

- sign 0.170+/-0.003 χ^2/NDF: 3498.6/41



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

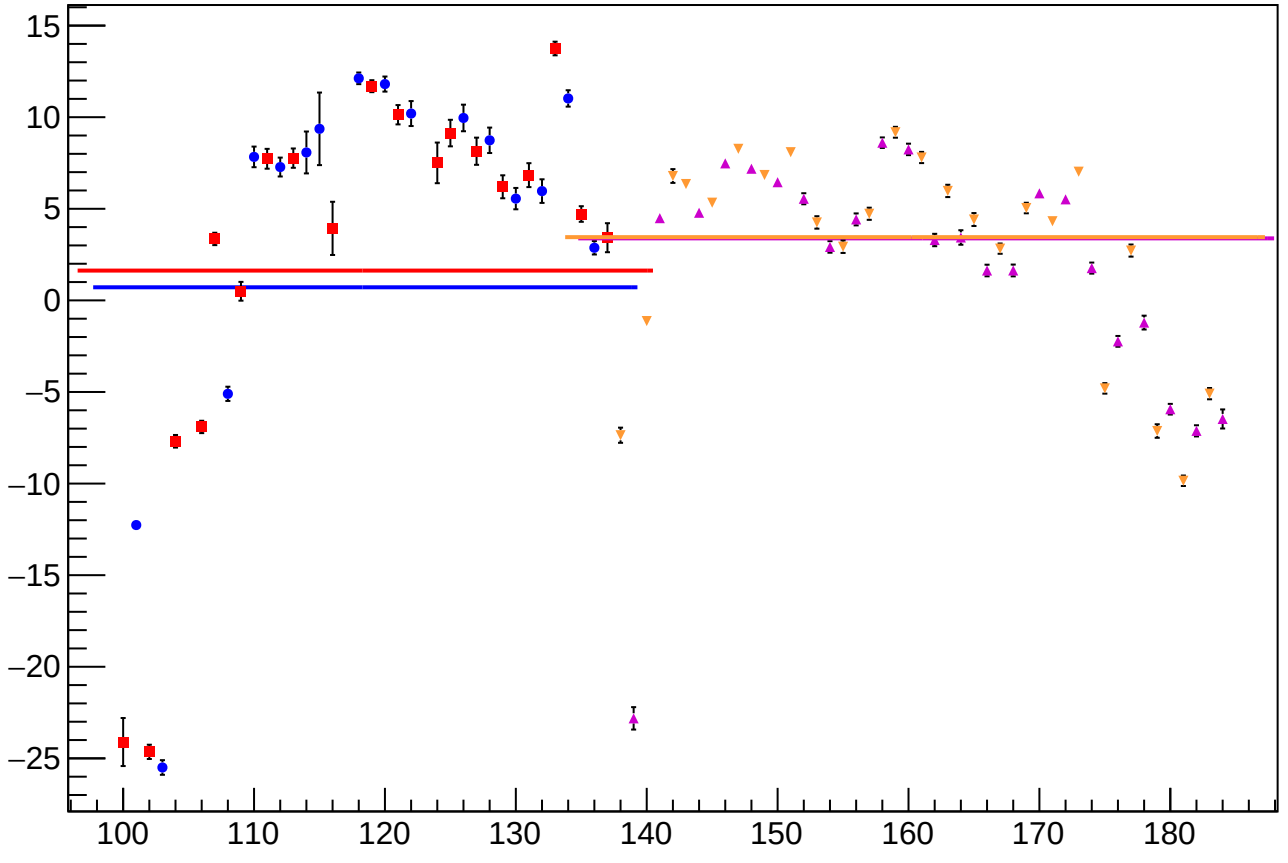
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.821+/-0.065 χ^2/NDF: 25587.8/39

All: 10.432+/-0.046 χ^2/NDF: 49594.5/81

- sign 10.049+/-0.064 χ^2/NDF: 23934.8/41

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

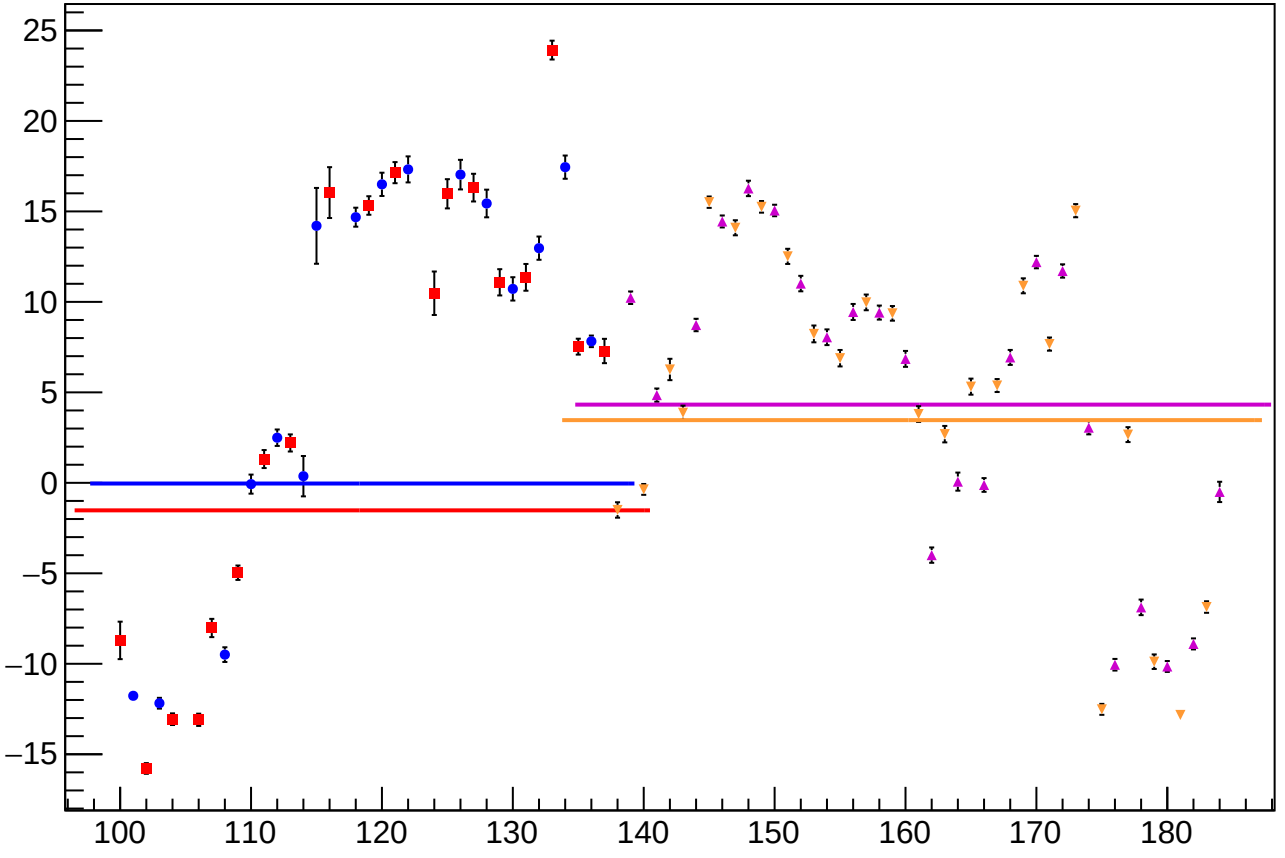
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.889+/-0.053 χ^2/NDF: 18761.8/39

All: 2.932+/-0.037 χ^2/NDF: 34918.9/81

- sign 2.977+/-0.053 χ^2/NDF: 16155.7/41

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

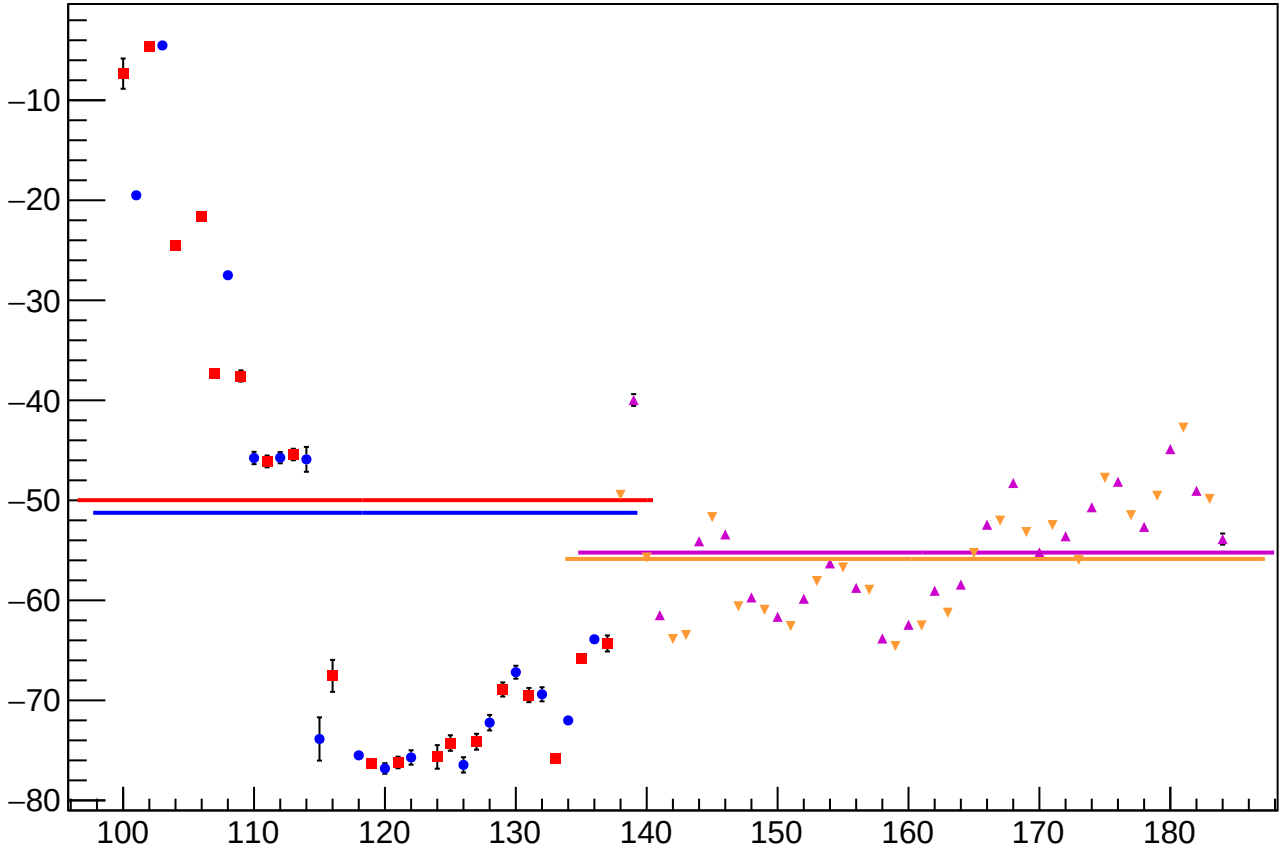
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 2.434+/-0.065 χ^2/NDF: 24757.5/39

All: 2.449+/-0.046 χ^2/NDF: 51129.1/81

- sign 2.463+/-0.065 χ^2/NDF: 26371.5/41

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



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

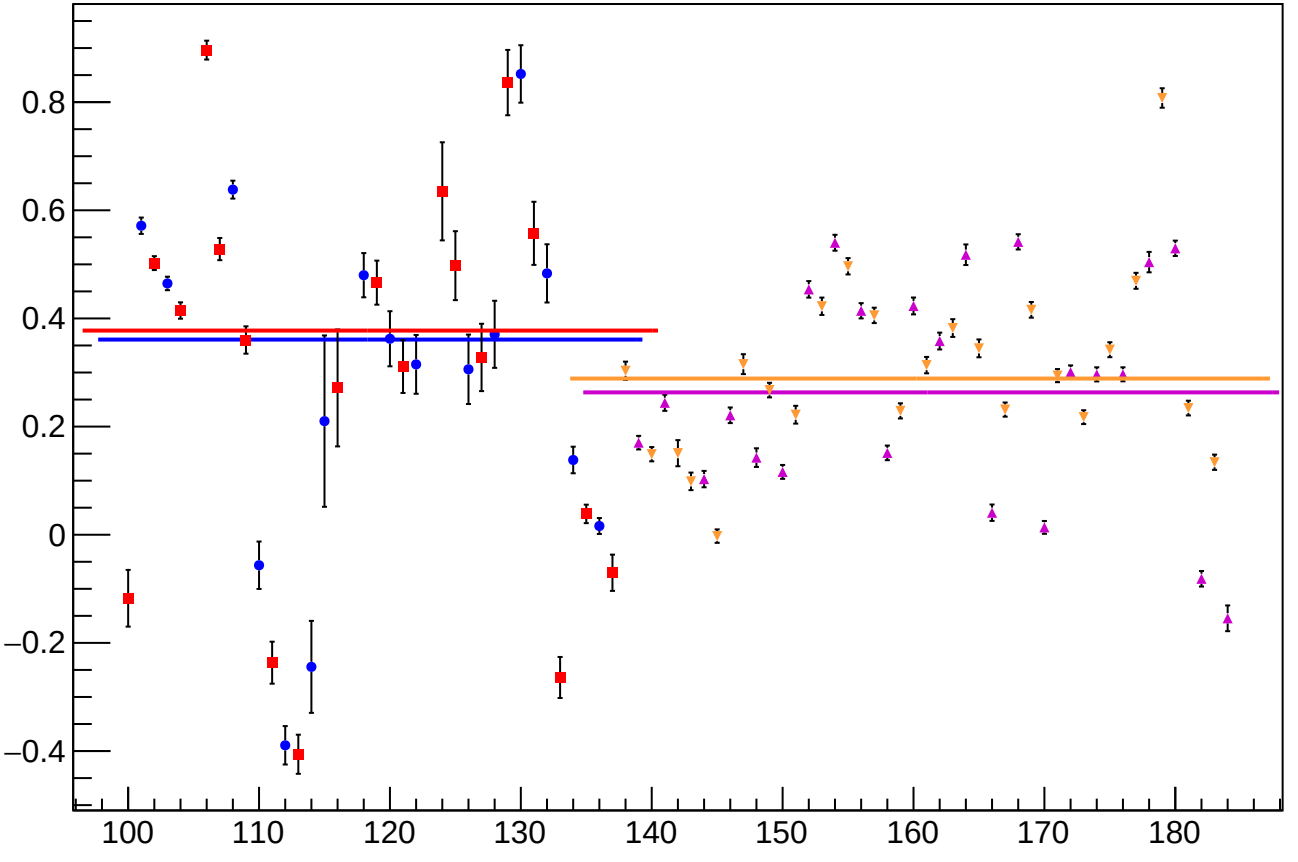
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.960+/-0.060 χ^2/NDF: 42276.0/39

All: -54.529+/-0.043 χ^2/NDF: 83875.0/81

- sign -54.088+/-0.061 χ^2/NDF: 41494.8/41

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

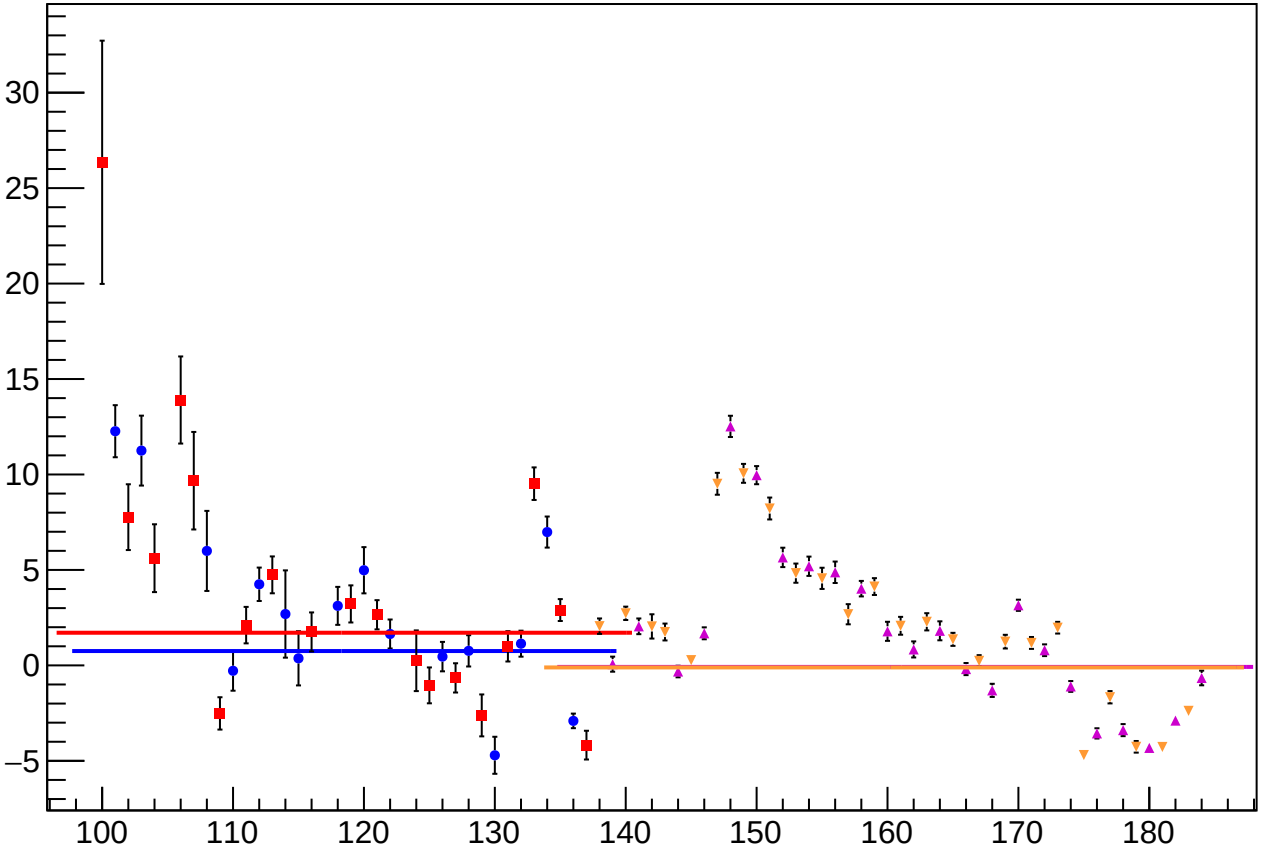
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.302+/-0.003 χ^2/NDF: 4462.8/39

All: 0.294+/-0.002 χ^2/NDF: 11387.5/81

- sign 0.286+/-0.003 χ^2/NDF: 6906.9/41

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

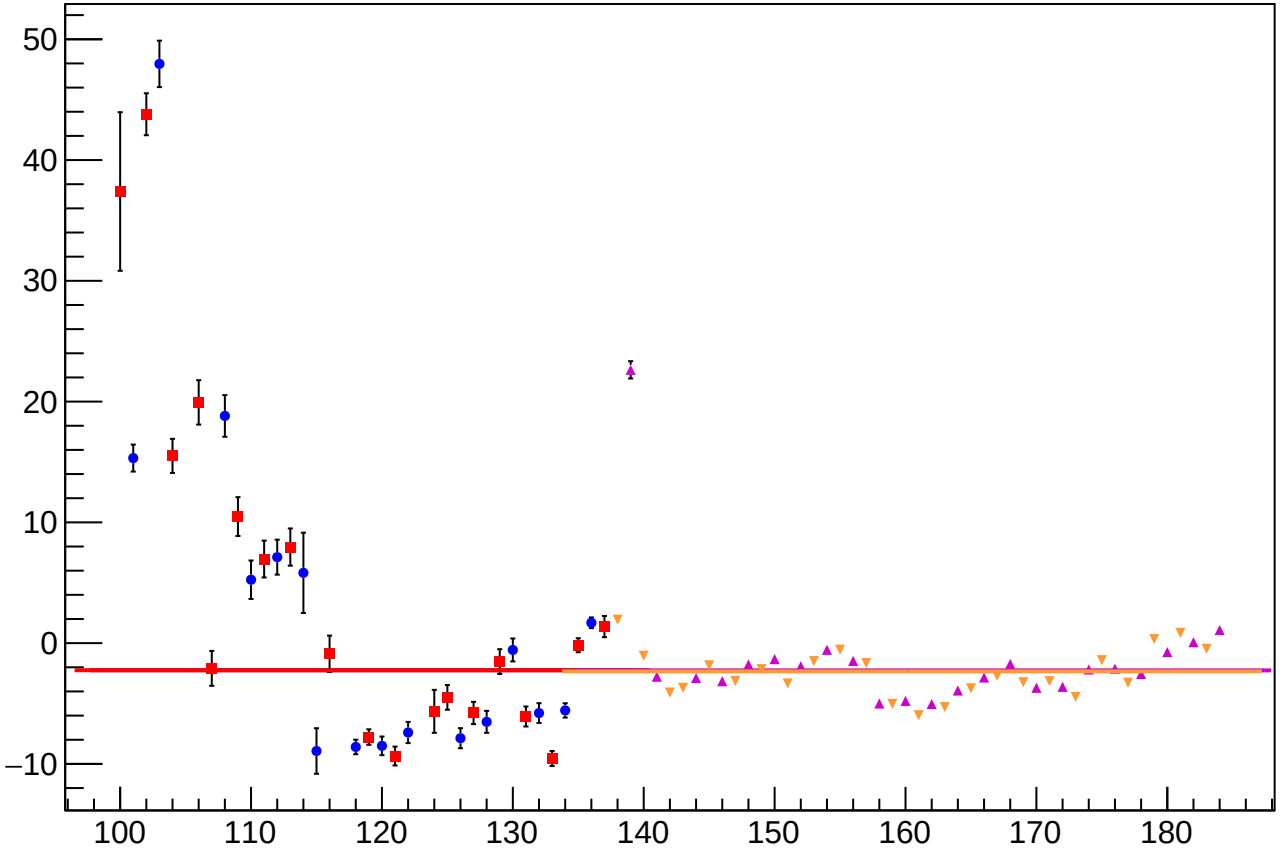
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

\+ sign -0.024+/-0.066 χ^2/NDF: 2983.3/39

All: 0.029+/-0.047 χ^2/NDF: 5801.7/81

\- sign 0.084+/-0.067 χ^2/NDF: 2817.0/41

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

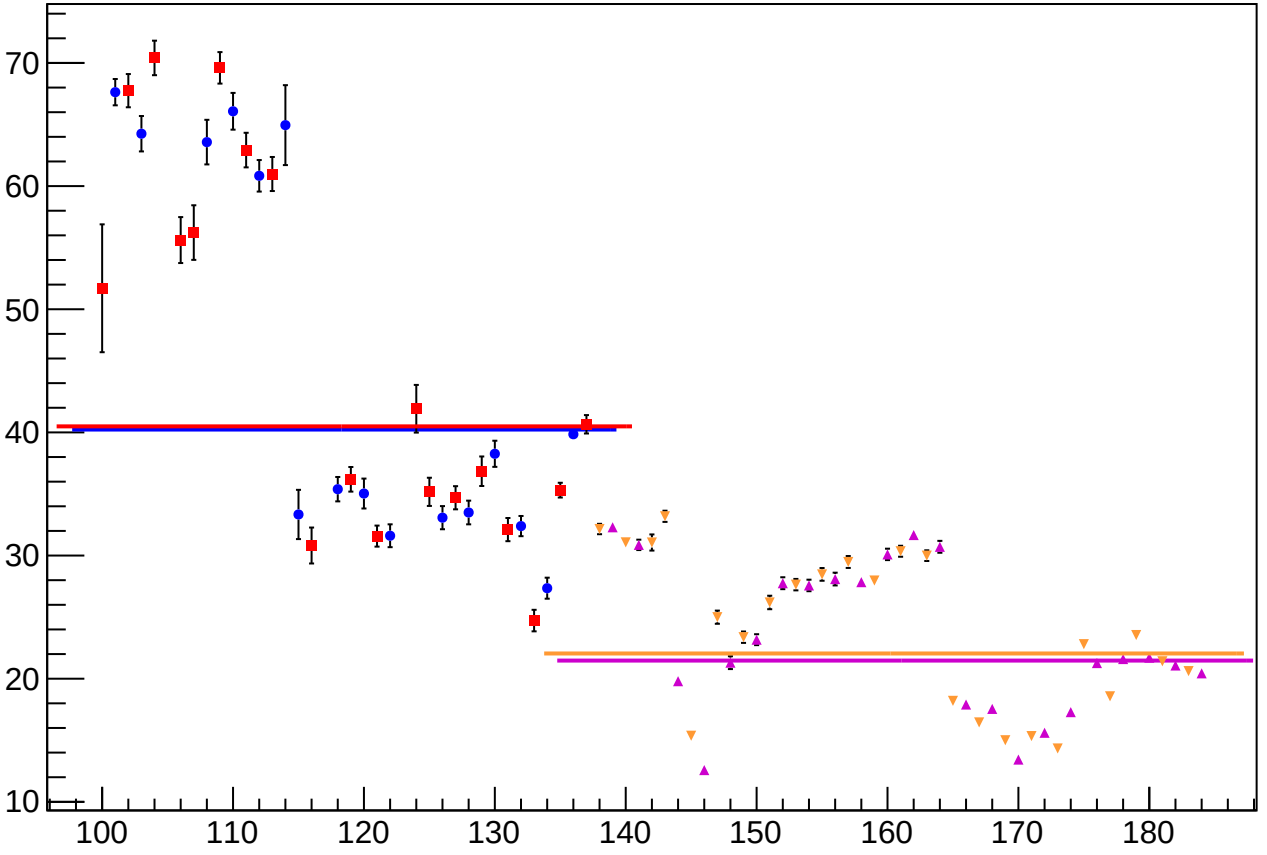
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.333+/-0.054 χ^2/NDF: 2695.9/39

All: -2.295+/-0.038 χ^2/NDF: 6129.8/81

- sign -2.256+/-0.055 χ^2/NDF: 3432.9/41

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 22.048+/-0.070 χ^2/NDF:6211.2/23

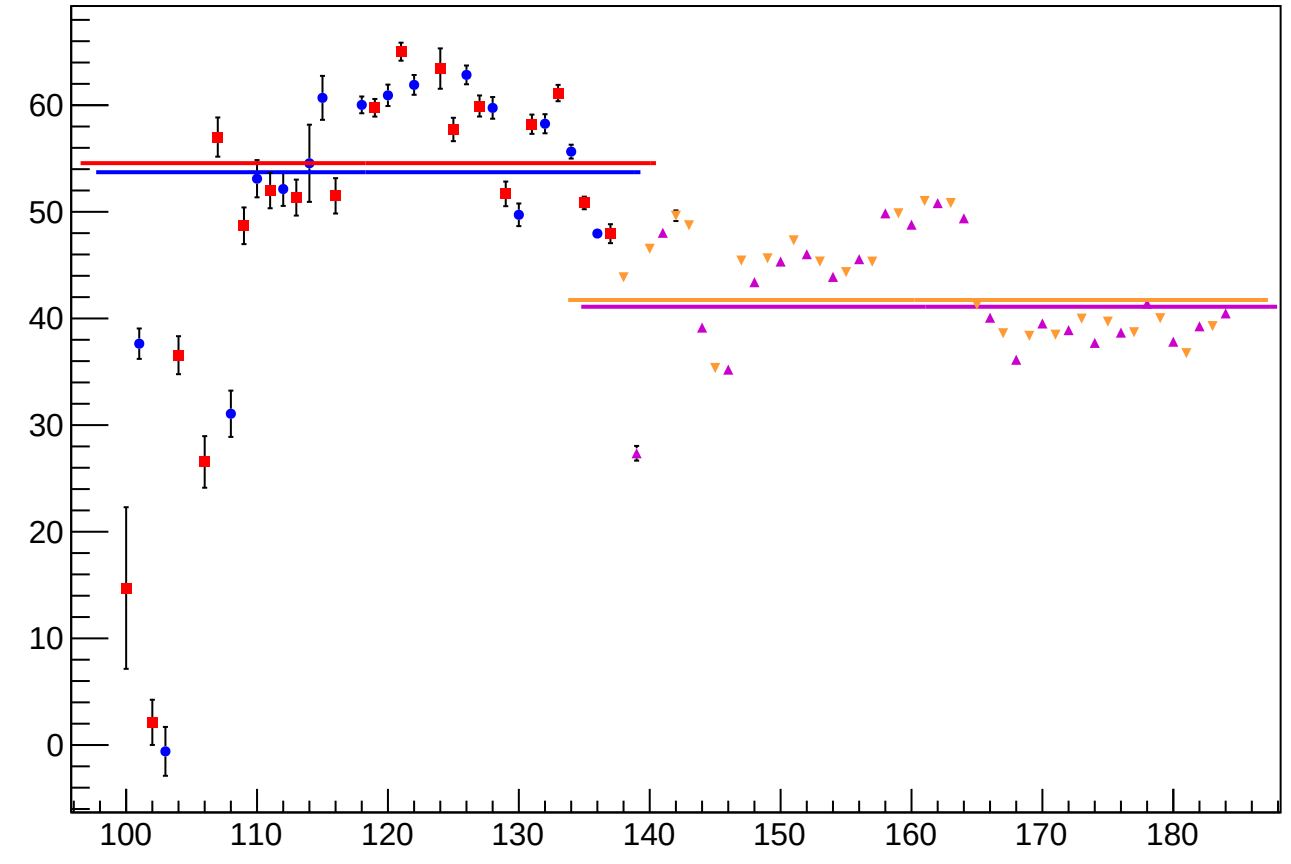
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.565+/-0.067 χ^2/NDF: 14160.7/39

All: 23.224+/-0.048 χ^2/NDF: 28041.1/81

- sign 22.873+/-0.068 χ^2/NDF: 13827.7/41



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

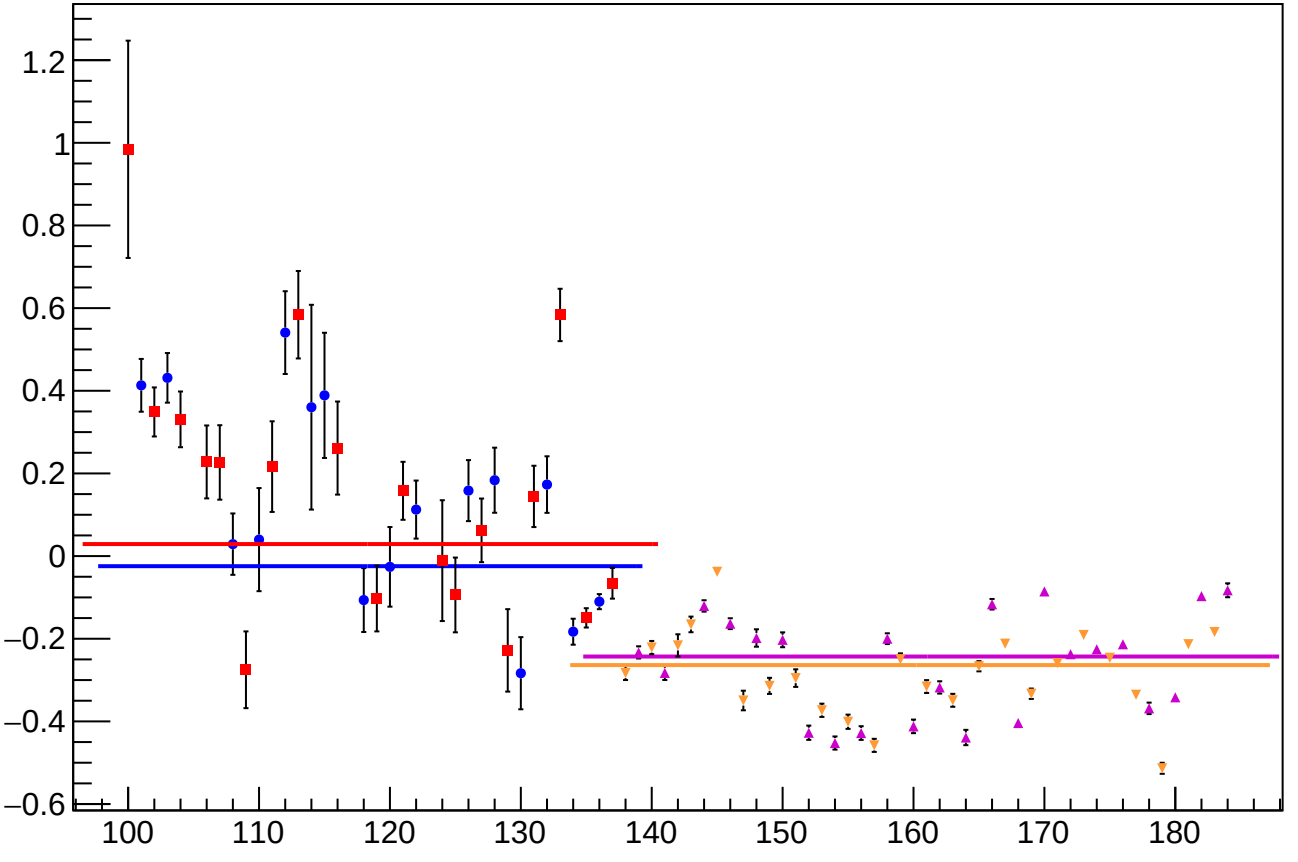
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.491+/-0.060 χ^2/NDF: 9358.4/39

All: 42.178+/-0.043 χ^2/NDF: 18842.2/81

- sign 41.858+/-0.061 χ^2/NDF: 9429.1/41

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



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

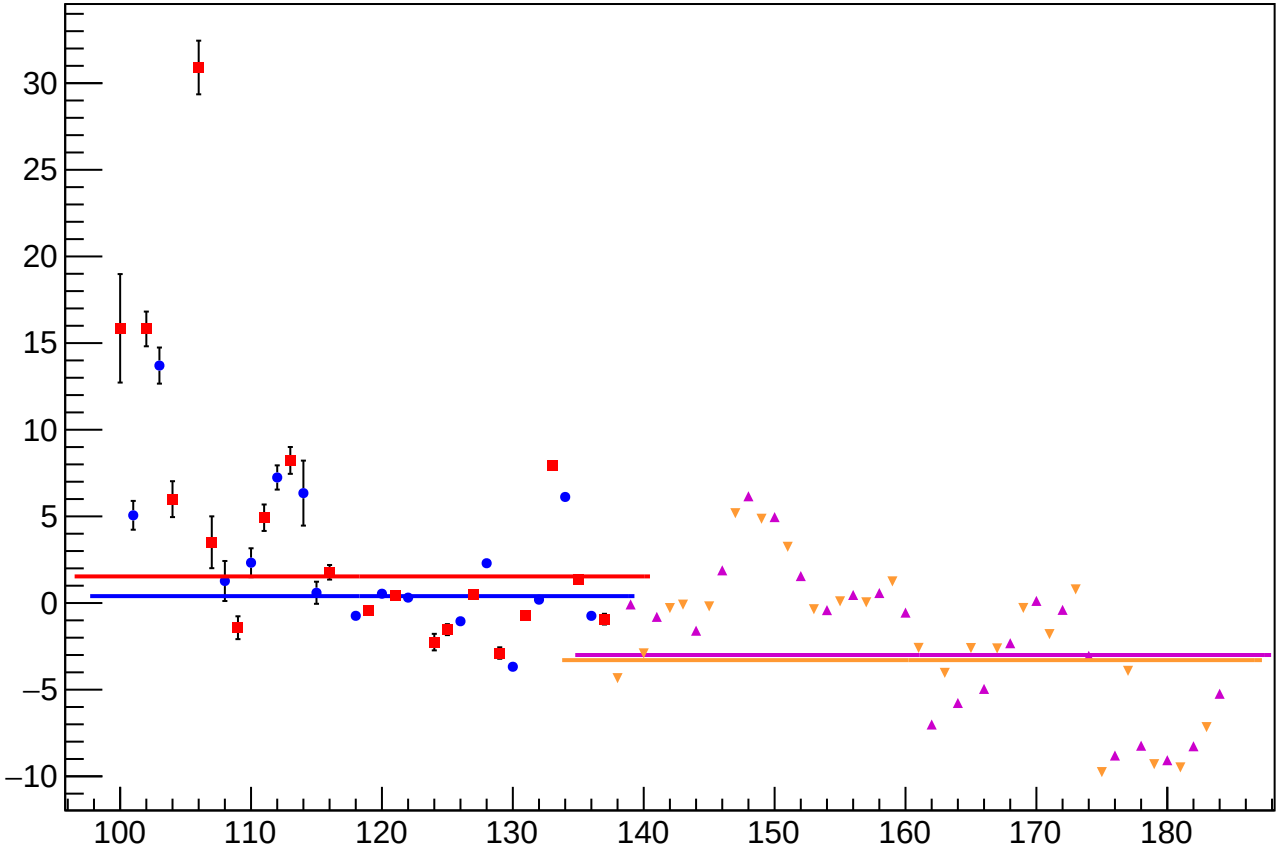
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.253+/-0.003 χ^2/NDF: 1939.5/39

All: -0.243+/-0.002 χ^2/NDF: 4406.2/81

- sign -0.233+/-0.003 χ^2/NDF: 2439.7/41

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

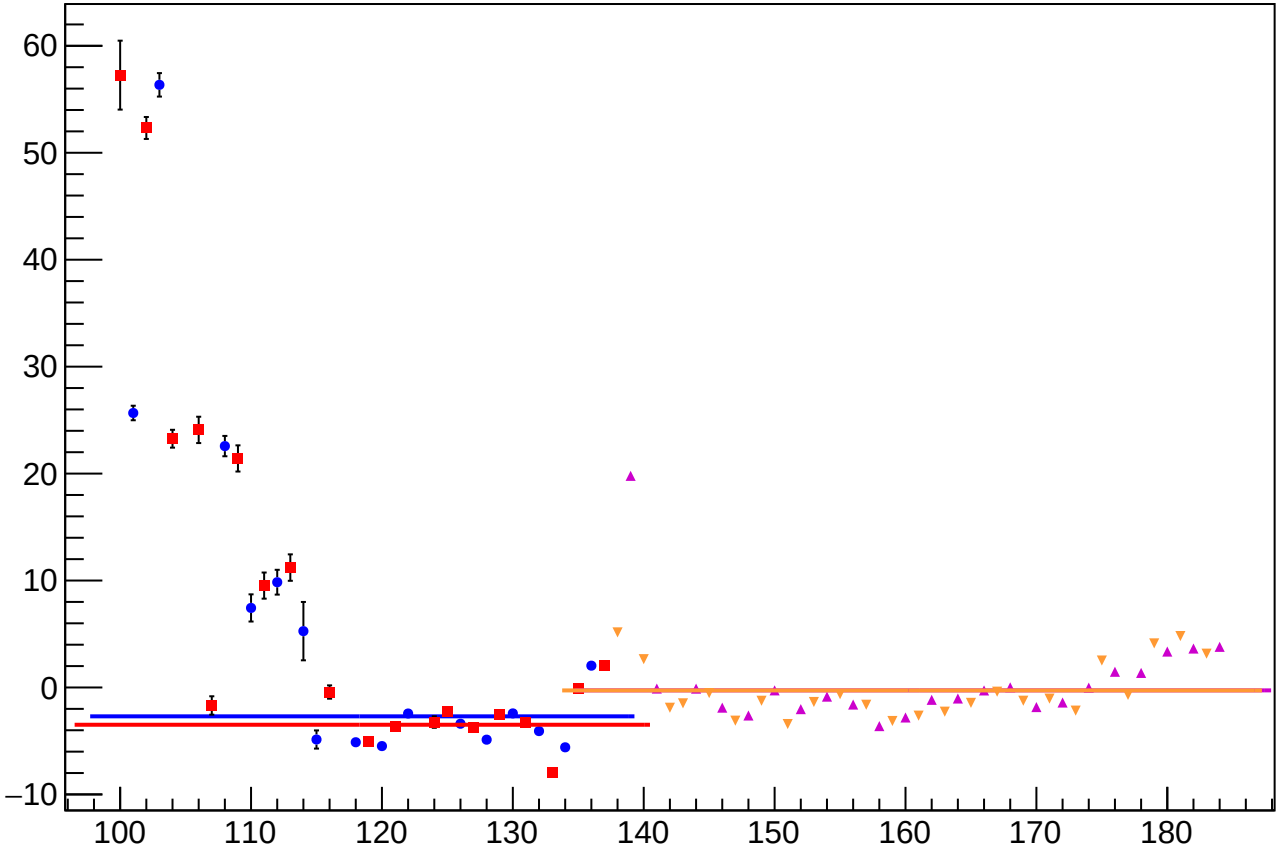
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.865+/-0.026 χ^2/NDF: 27063.8/39

All: -2.670+/-0.019 χ^2/NDF: 54982.5/81

- sign -2.468+/-0.027 χ^2/NDF: 27807.4/41

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.275+/-0.022 χ^2/NDF:12179.8/23

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

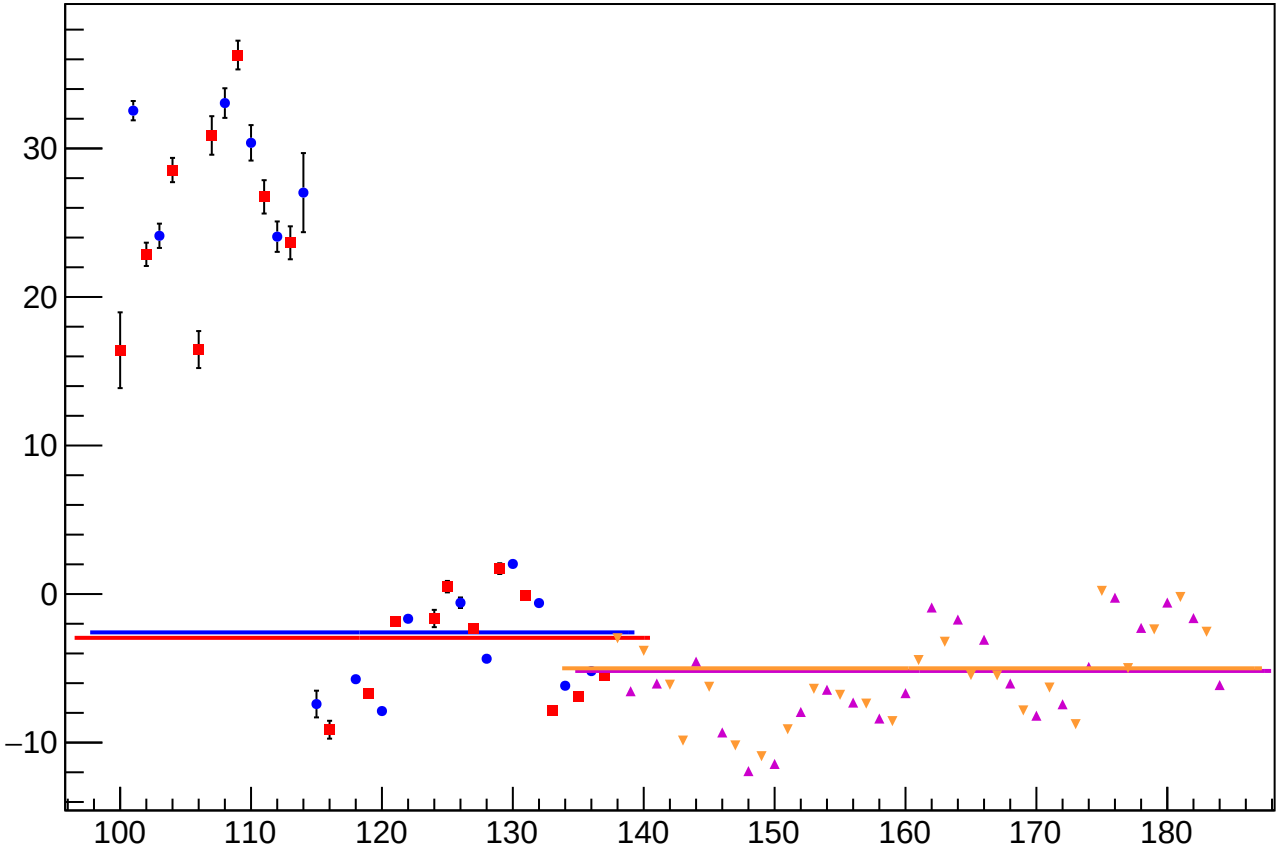
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.489+/-0.021 χ^2/NDF: 20354.1/39

All: -0.524+/-0.015 χ^2/NDF: 42613.3/81

- sign -0.561+/-0.021 χ^2/NDF: 22253.5/41

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



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

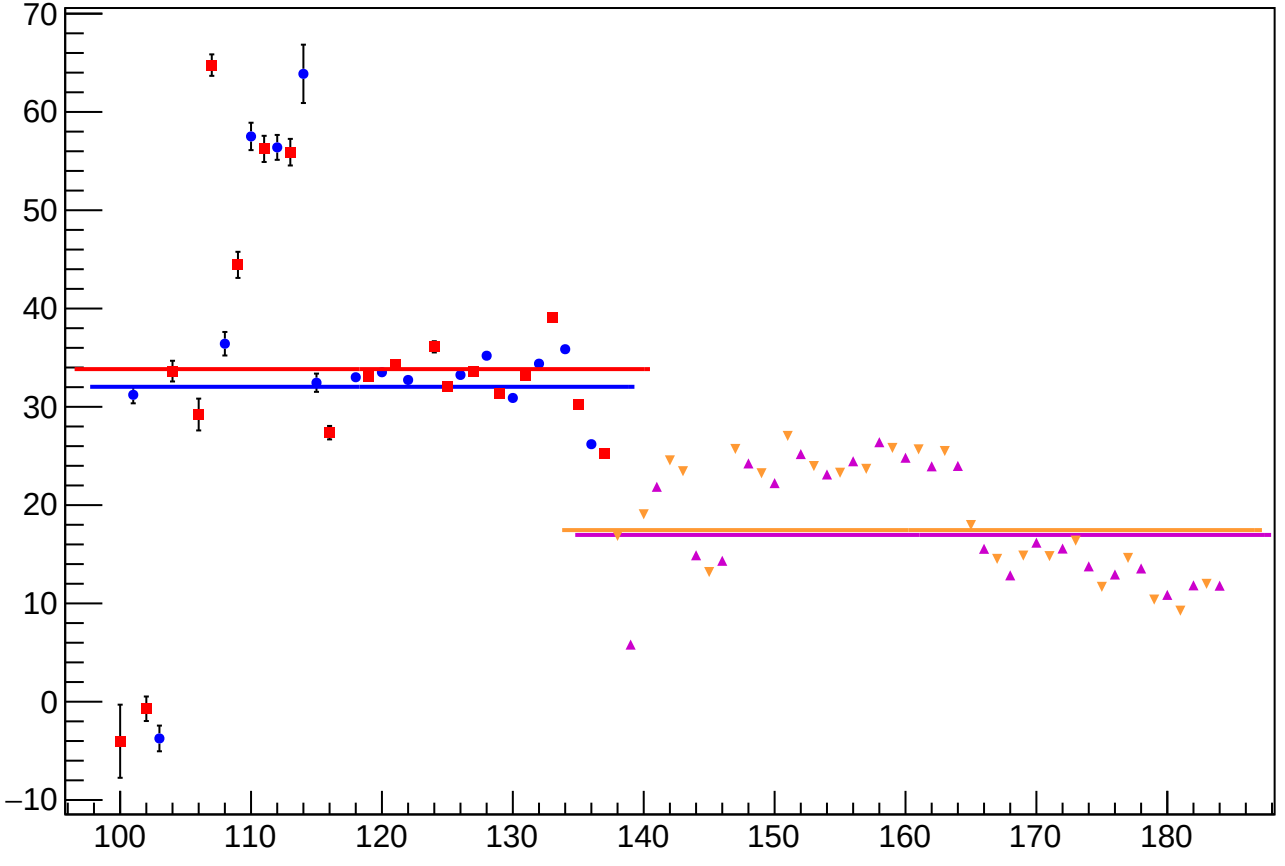
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.752+/-0.027 χ^2/NDF: 22284.0/39

All: -4.851+/-0.019 χ^2/NDF: 45091.6/81

- sign -4.953+/-0.027 χ^2/NDF: 22779.5/41

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

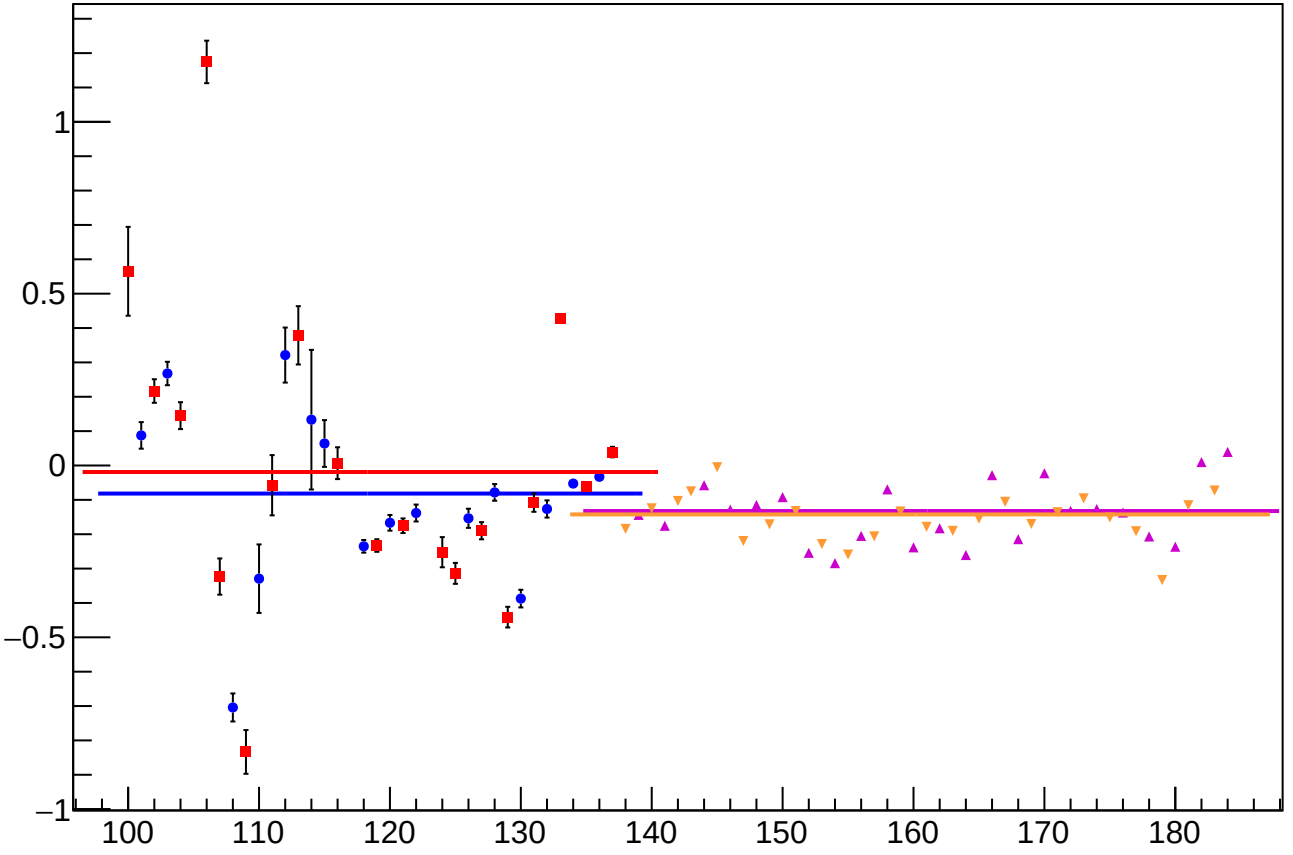
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

\+ sign 18.691+/-0.024 χ^2/NDF: 83122.5/39

All: 18.555+/-0.017 χ^2/NDF: 166421.7/81

\- sign 18.415+/-0.024 χ^2/NDF: 83232.1/41

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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

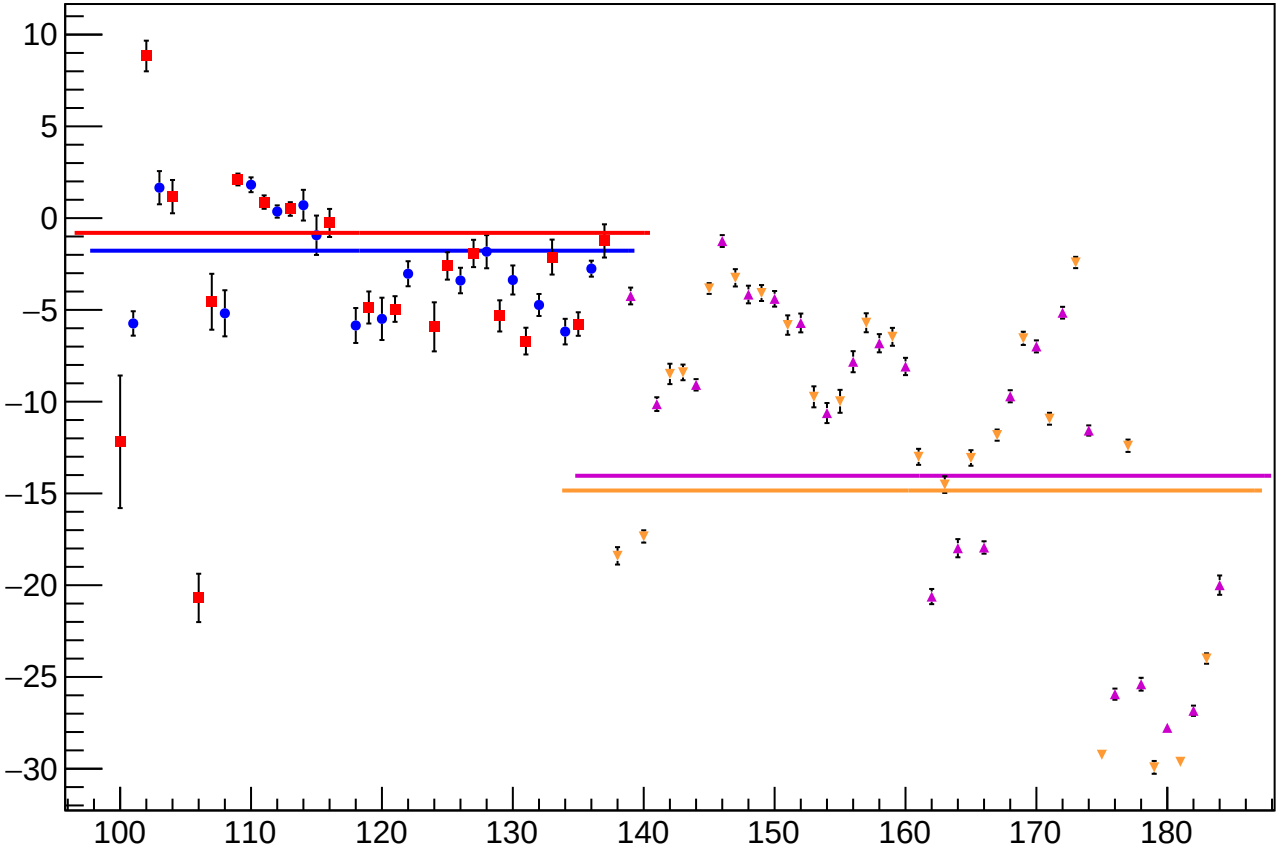
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.139+/-0.001 χ^2/NDF: 4713.3/39

All: -0.134+/-0.001 χ^2/NDF: 13032.2/81

- sign -0.128+/-0.001 χ^2/NDF: 8259.5/41

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

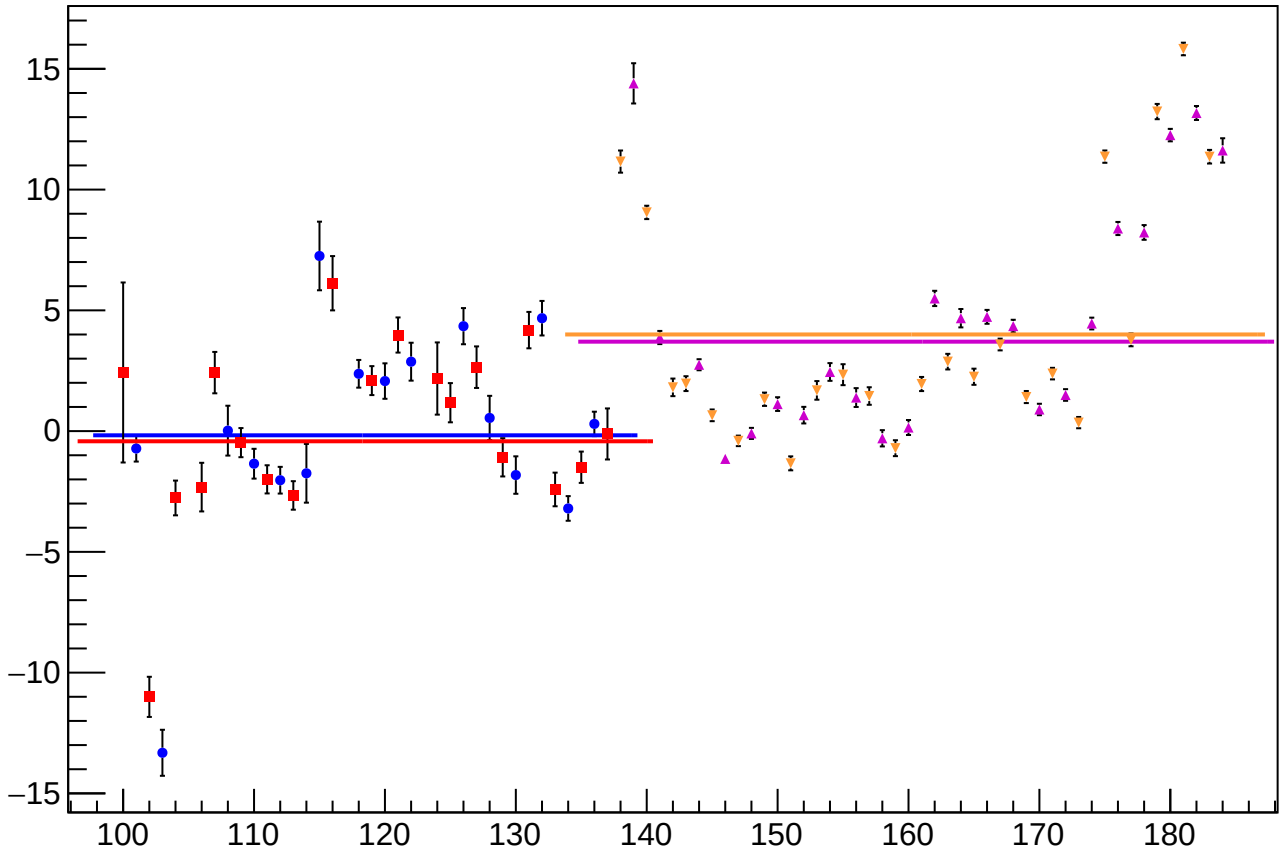
Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.389+/-0.068 χ^2/NDF: 22085.5/39

All: -11.815+/-0.048 χ^2/NDF: 42722.6/81

- sign -11.239+/-0.068 χ^2/NDF: 20494.5/41



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 4.002+/-0.058 χ^2/NDF:6892.8/23

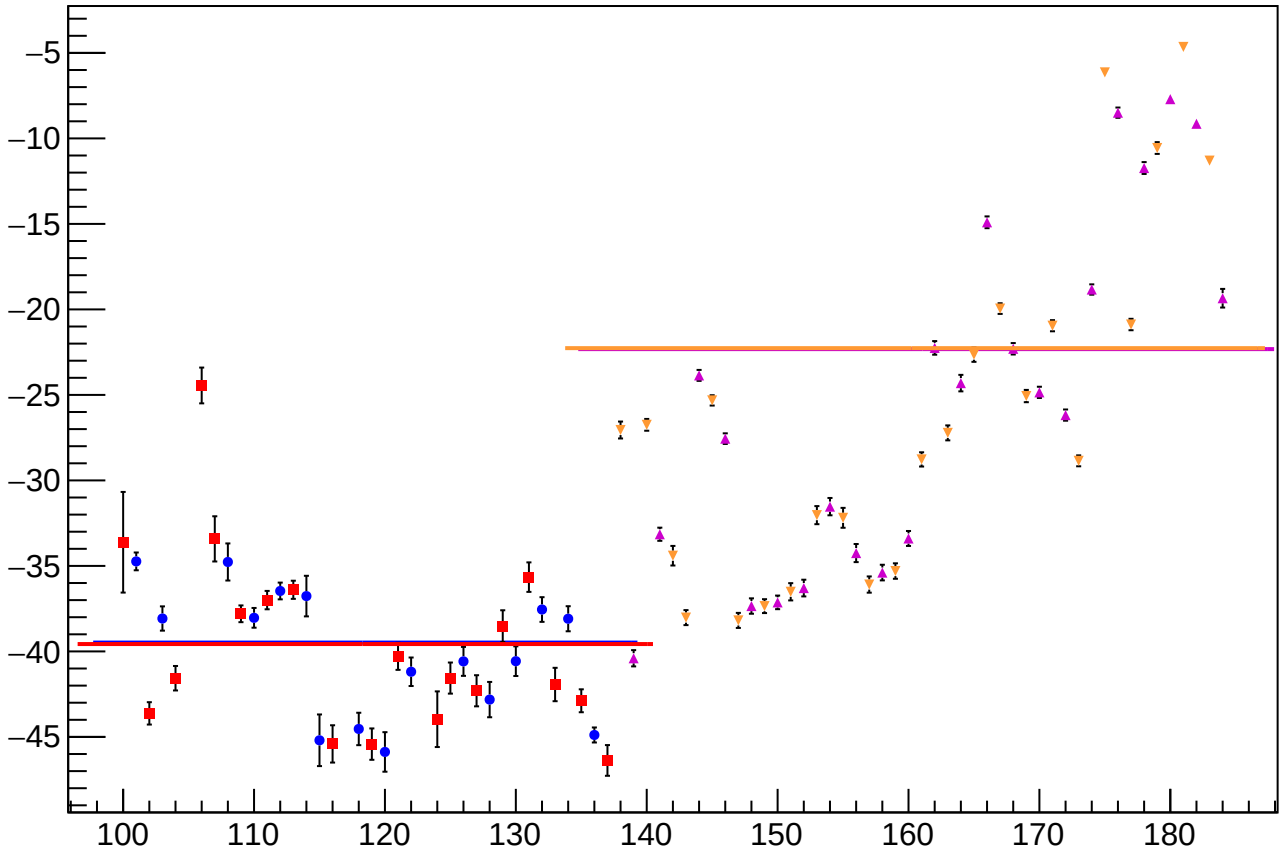
Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.575+/-0.055 χ^2/NDF: 7818.9/39

All: 3.434+/-0.039 χ^2/NDF: 13474.0/81

- sign 3.288+/-0.056 χ^2/NDF: 5641.9/41



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

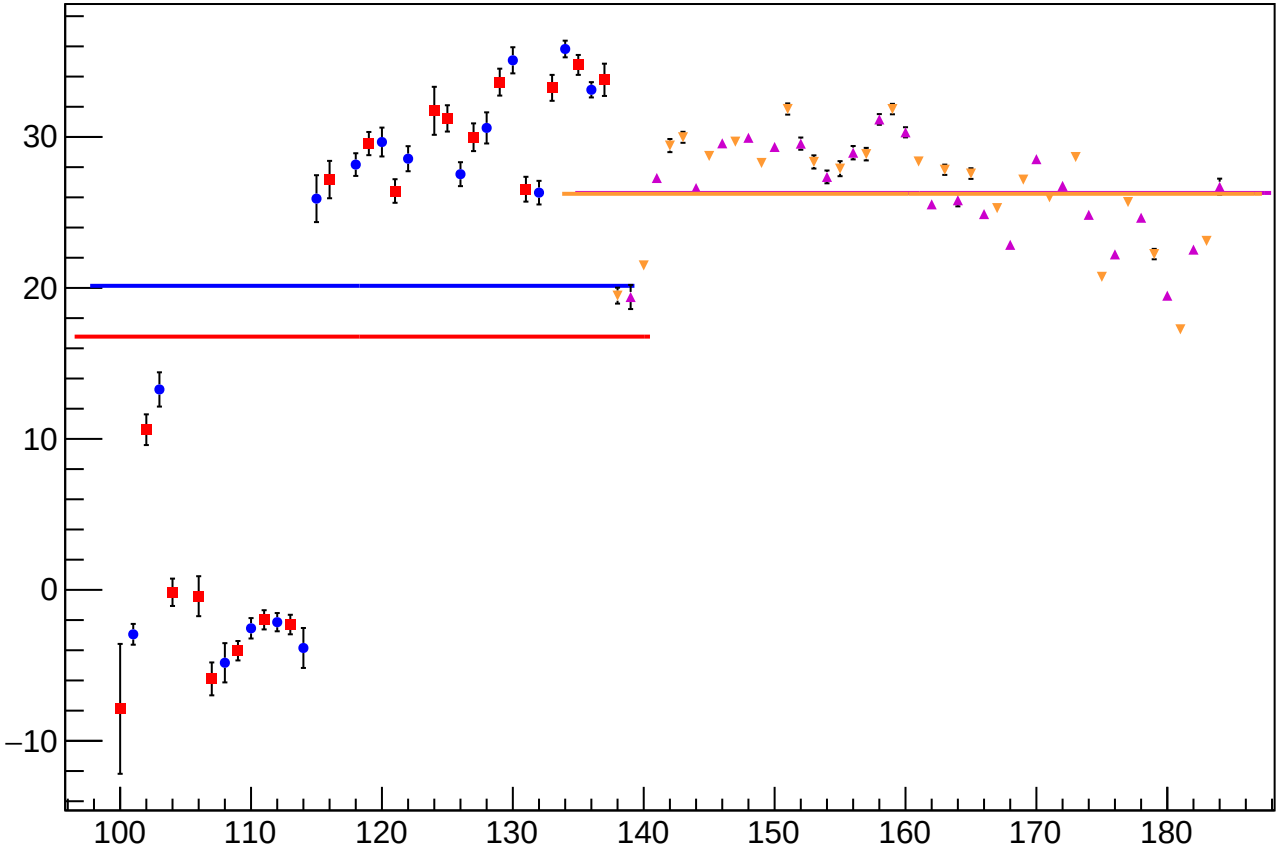
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -24.835+/-0.070 χ^2/NDF: 28164.3/39

All: -24.887+/-0.050 χ^2/NDF: 53555.8/81

- sign -24.941+/-0.071 χ^2/NDF: 25390.4/41

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

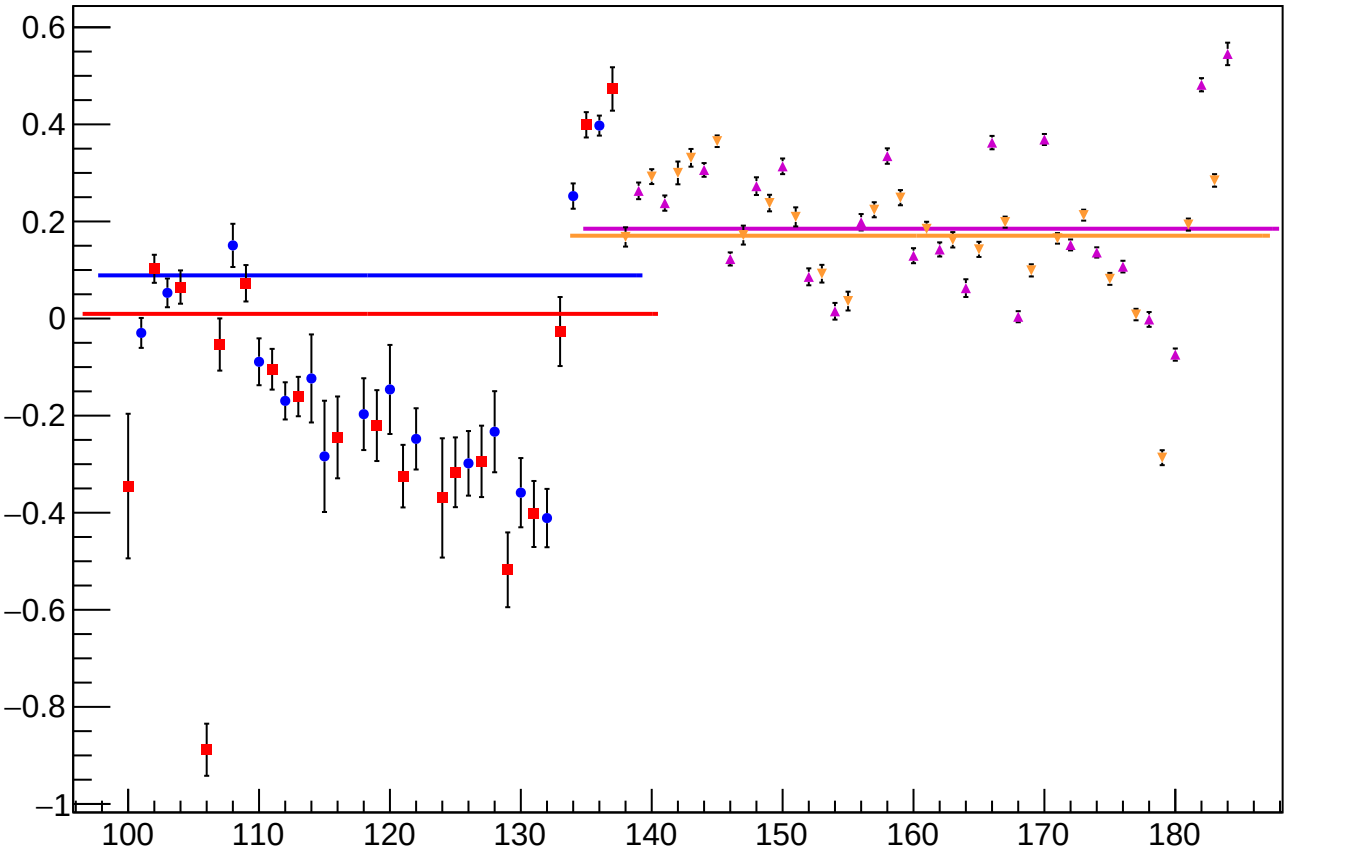
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.612+/-0.062 χ^2/NDF: 10826.1/39

All: 25.478+/-0.044 χ^2/NDF: 21804.0/81

- sign 25.339+/-0.063 χ^2/NDF: 10968.4/41



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

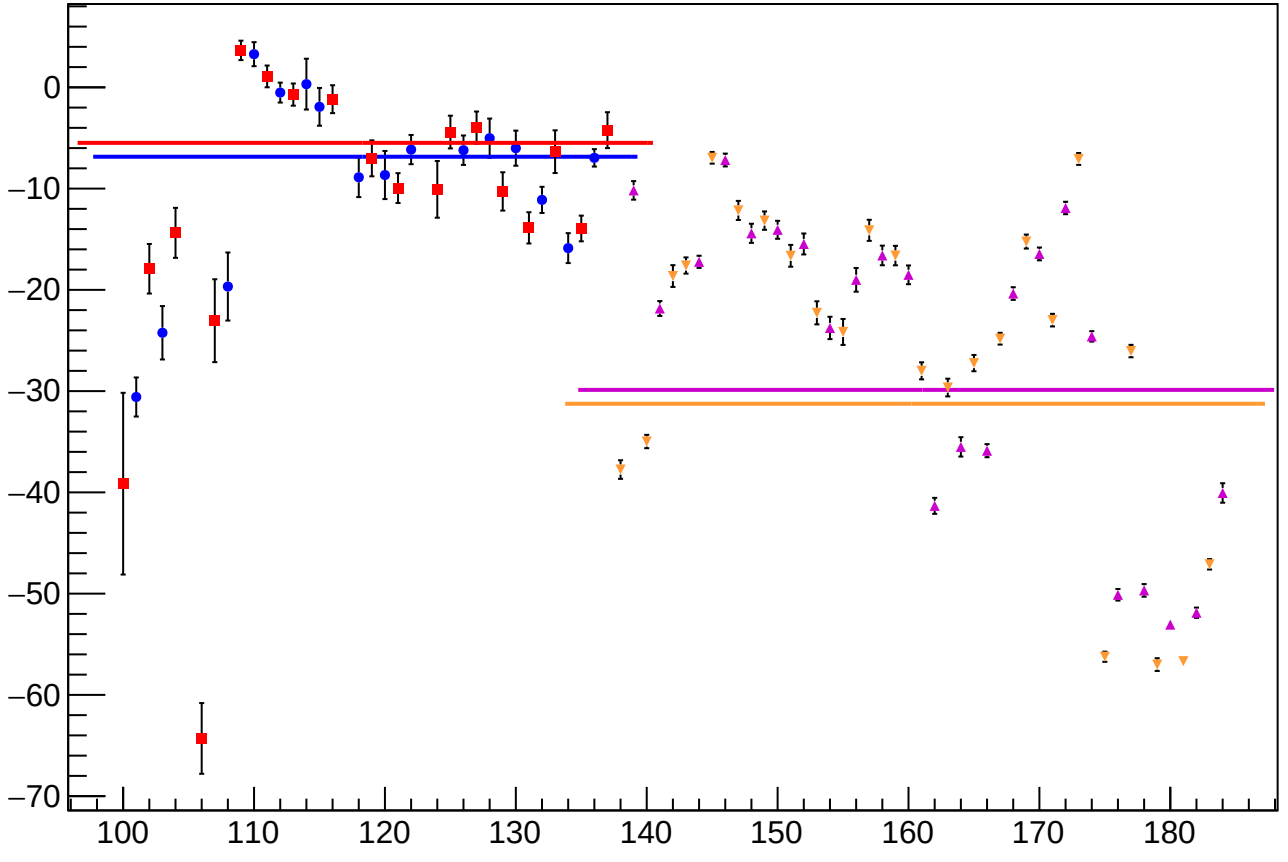
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.165+/-0.003 χ^2/NDF: 2438.6/39

All: 0.169+/-0.002 χ^2/NDF: 6052.5/81

- sign 0.173+/-0.003 χ^2/NDF: 3609.5/41

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

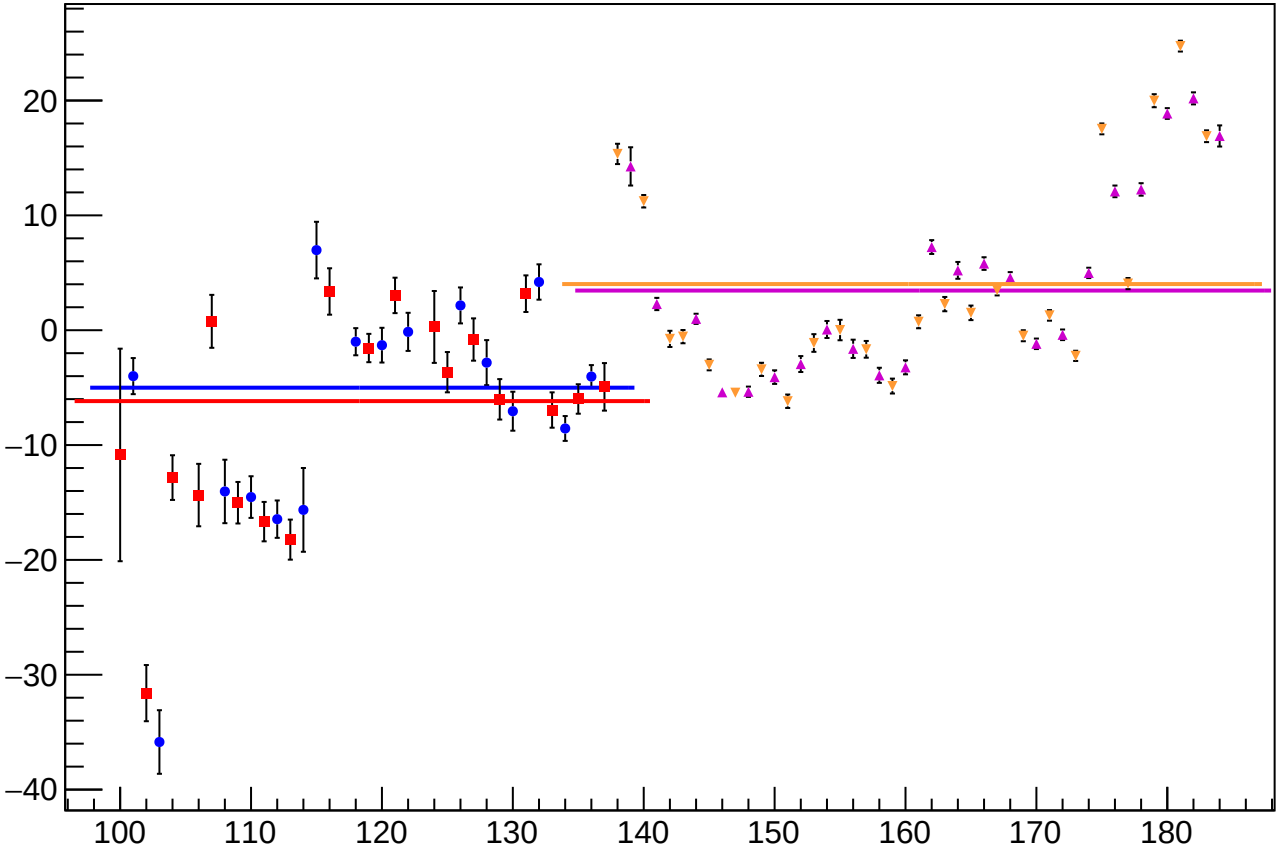
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -28.137+/-0.134 χ^2/NDF: 19112.0/39

All: -27.362+/-0.095 χ^2/NDF: 35598.5/81

- sign -26.567+/-0.136 χ^2/NDF: 16419.0/41

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

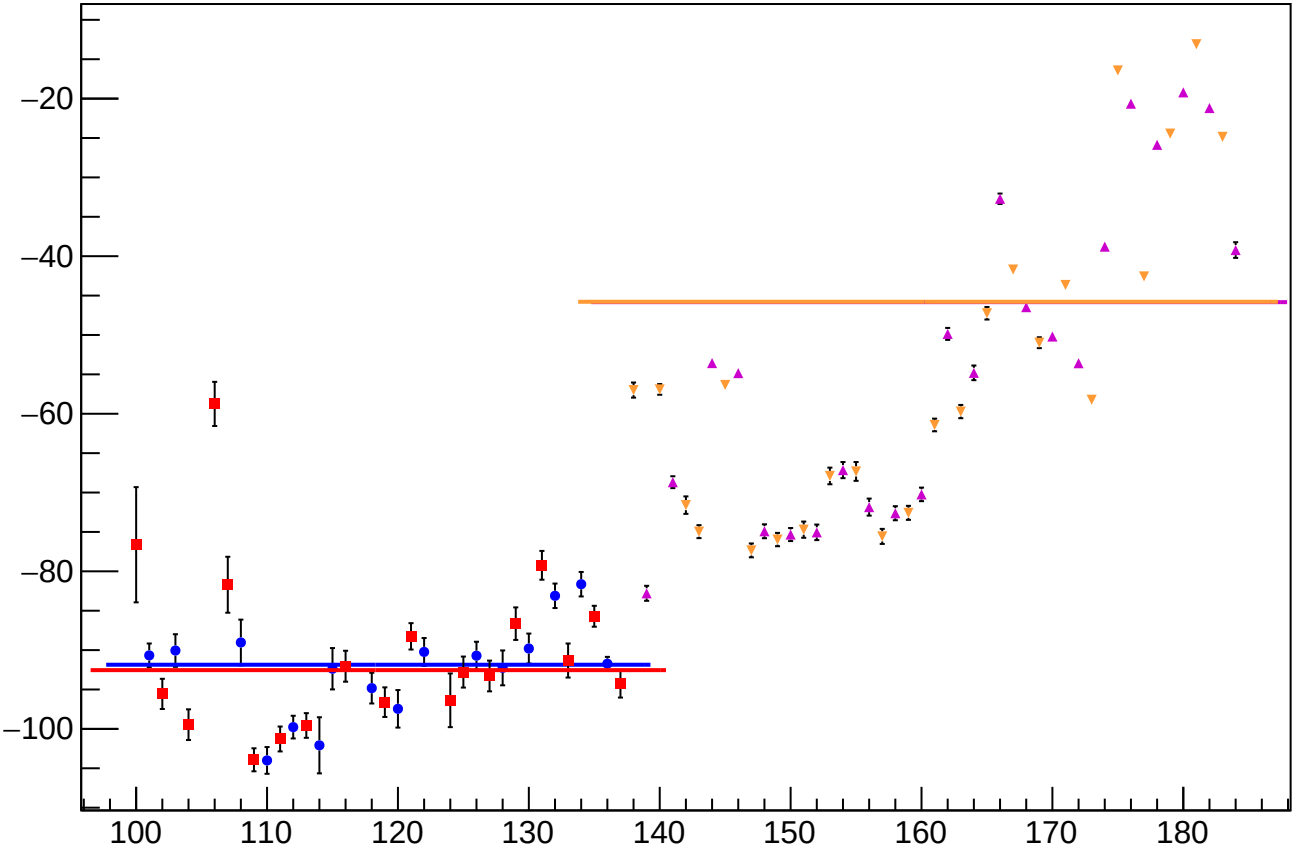
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.346+/-0.108 χ^2/NDF: 7272.2/39

All: 3.070+/-0.077 χ^2/NDF: 12845.3/81

- sign 2.786+/-0.110 χ^2/NDF: 5559.9/41

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



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

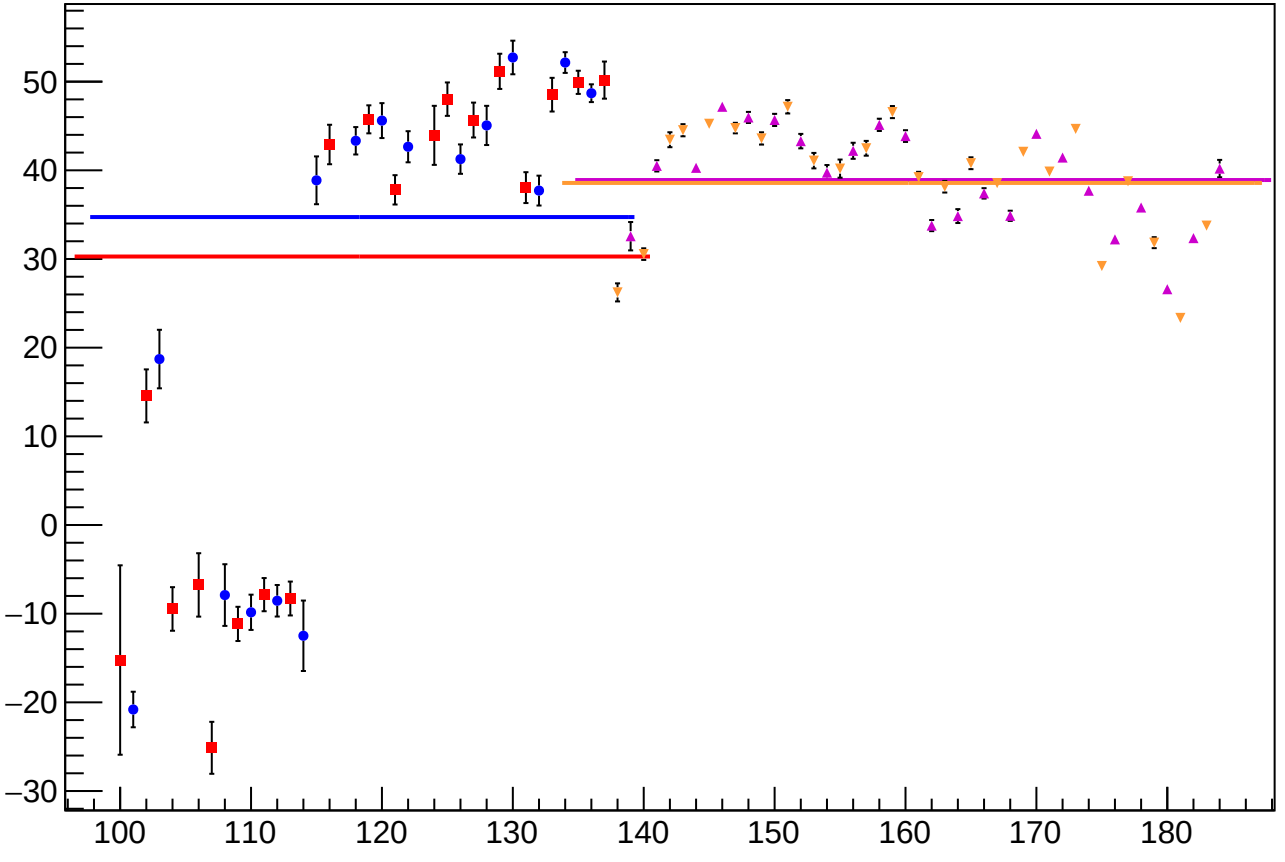
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -50.541+/-0.136 χ^2/NDF: 31891.2/39

All: -50.511+/-0.097 χ^2/NDF: 60387.2/81

- sign -50.481+/-0.139 χ^2/NDF: 28495.9/41

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

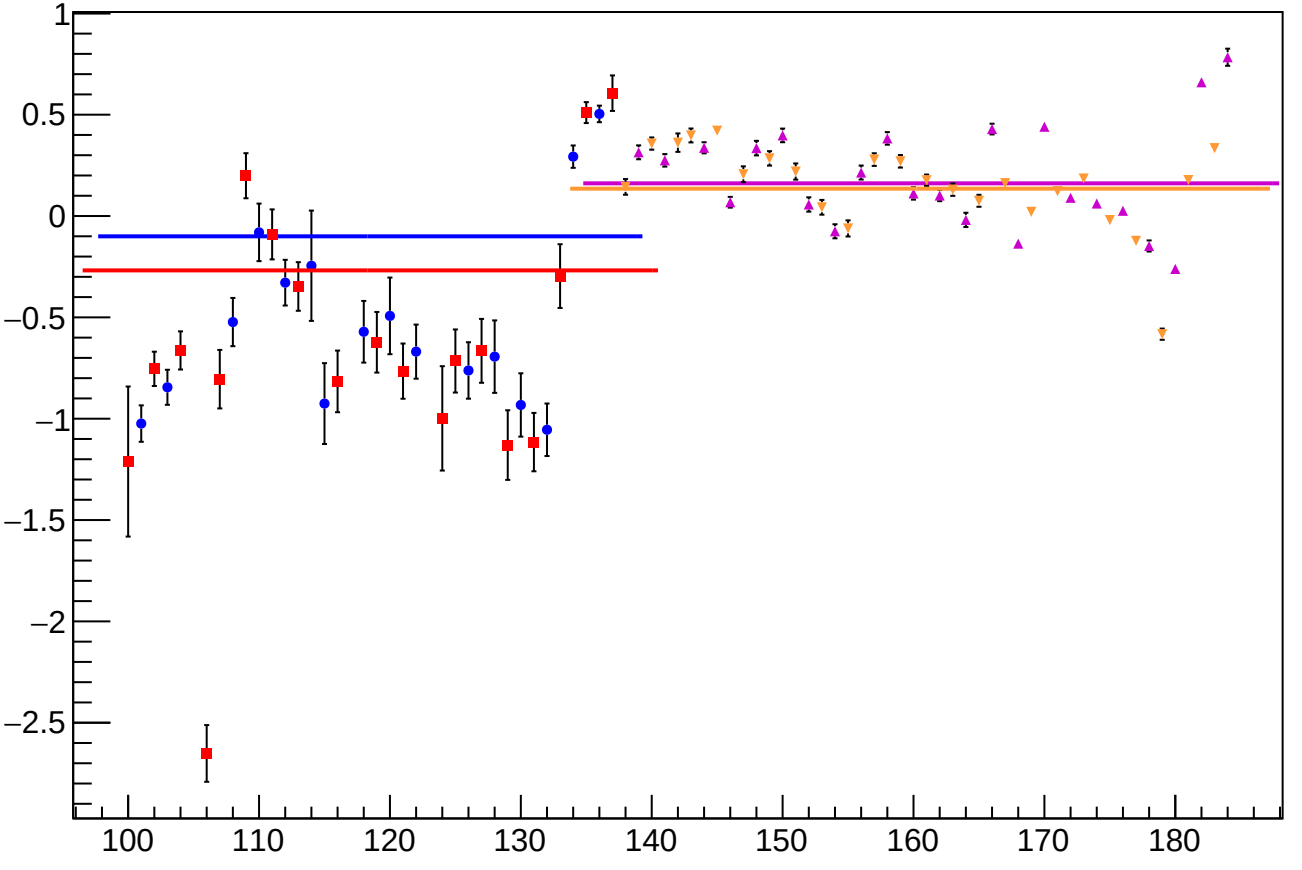
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

\+ sign 38.289+/-0.121 χ^2/NDF: 5586.3/39

All: 38.298+/-0.086 χ^2/NDF: 10786.5/81

\- sign 38.307+/-0.123 χ^2/NDF: 5200.2/41

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

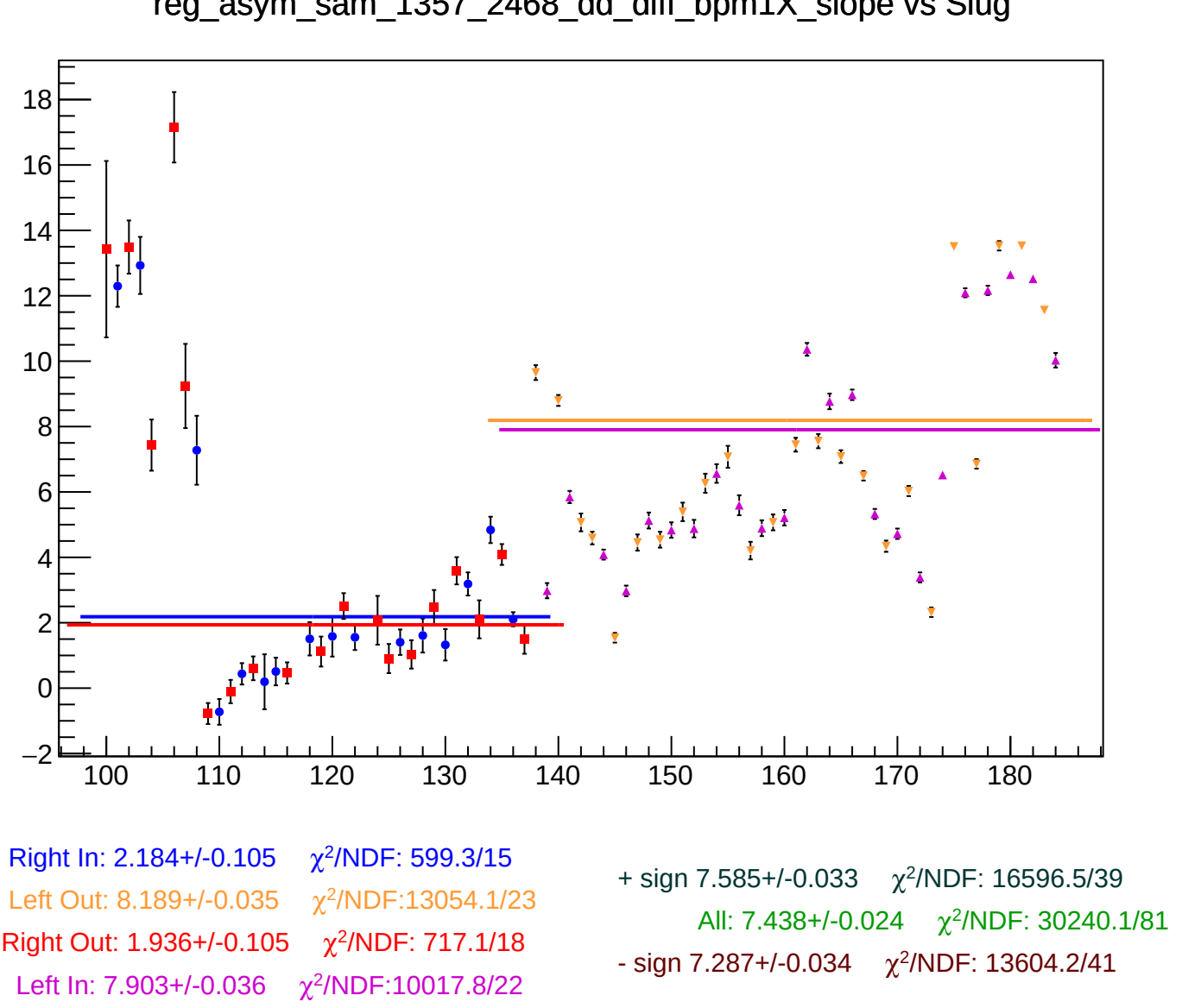
Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

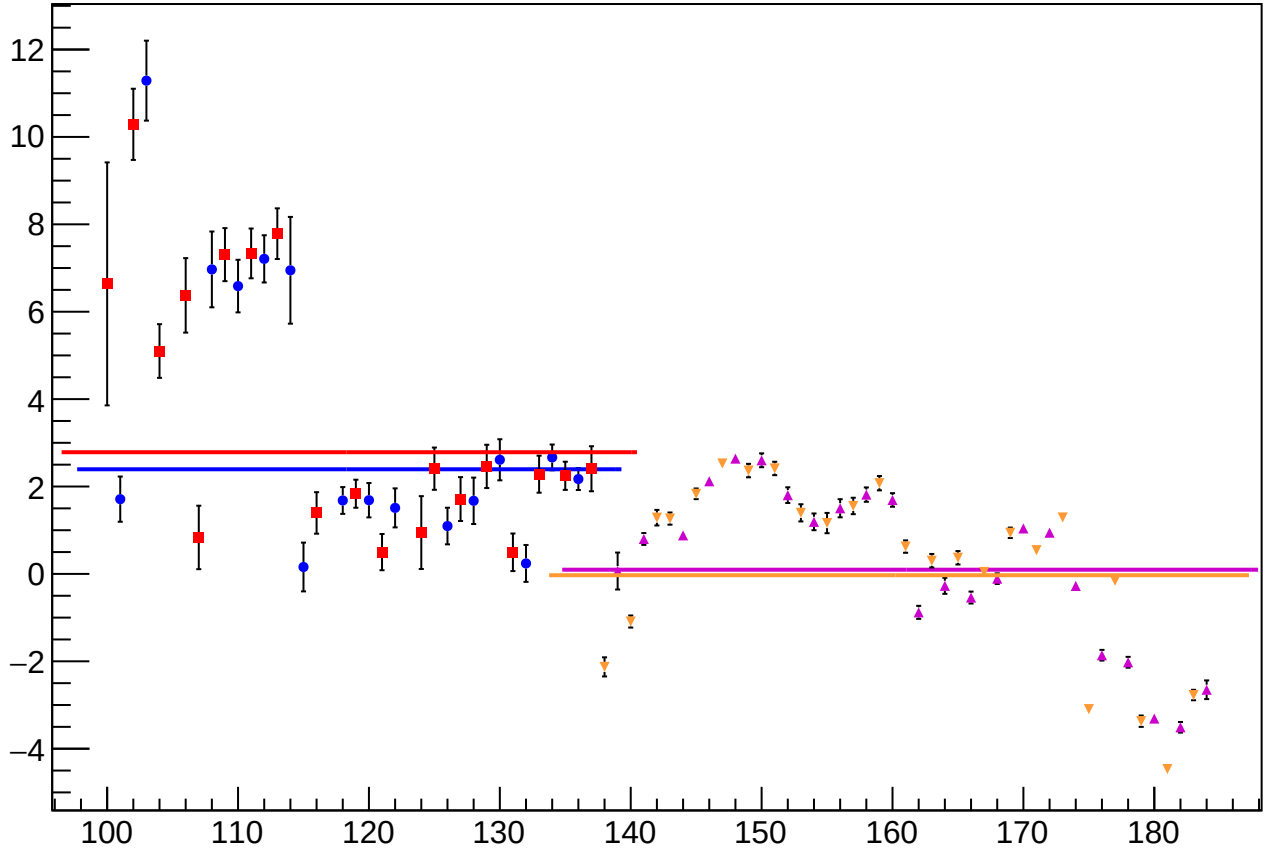
+ sign 0.123+/-0.006 χ^2/NDF: 2074.1/39

All: 0.132+/-0.004 χ^2/NDF: 5075.6/81

- sign 0.142+/-0.006 χ^2/NDF: 2995.2/41


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: 7.903+/-0.036 χ²/NDF:10017.8/22
+ sign 7.585+/-0.033 χ²/NDF: 16596.5/39
All: 7.438+/-0.024 χ²/NDF: 30240.1/81
- sign 7.287+/-0.034 χ²/NDF: 13604.2/41

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: -0.030+/-0.028 χ^2/NDF:5663.7/23

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

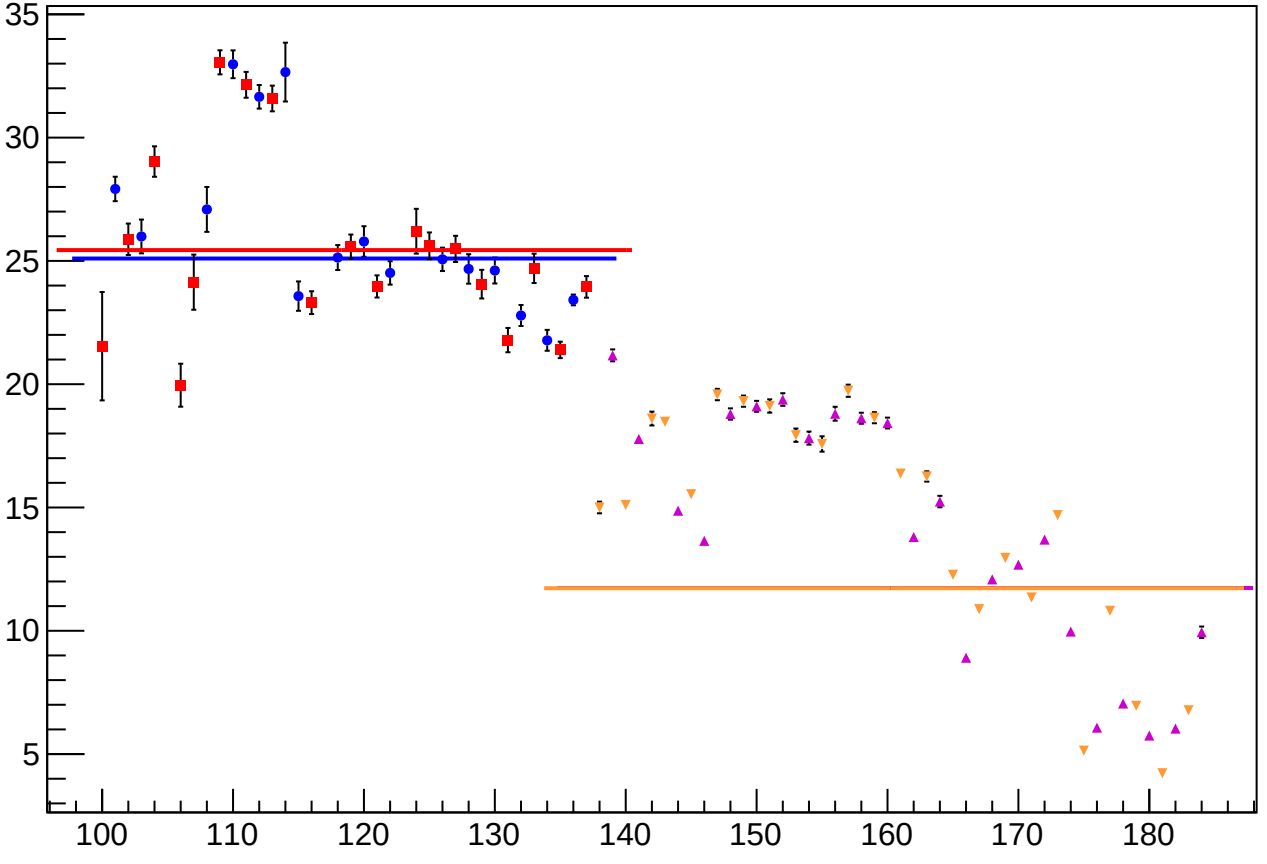
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.120+/-0.027 χ^2/NDF: 6467.4/39

All: 0.182+/-0.019 χ^2/NDF: 11830.8/81

- sign 0.246+/-0.027 χ^2/NDF: 5352.5/41

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

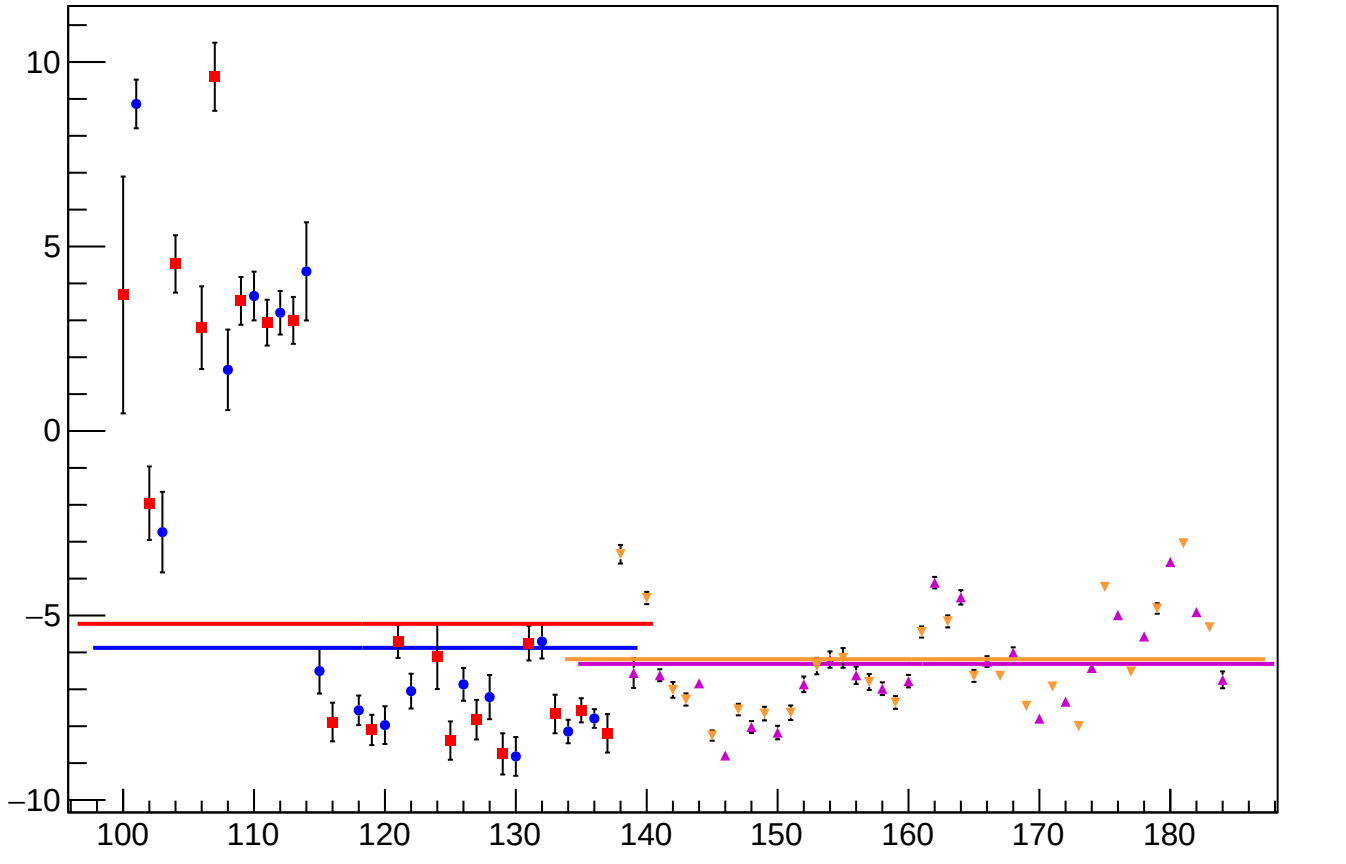
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 12.828+/-0.034 χ^2/NDF: 33760.4/39

All: 12.809+/-0.024 χ^2/NDF: 63906.1/81

- sign 12.789+/-0.034 χ^2/NDF: 30145.1/41



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.183+/-0.031 χ^2/NDF:2342.1/23

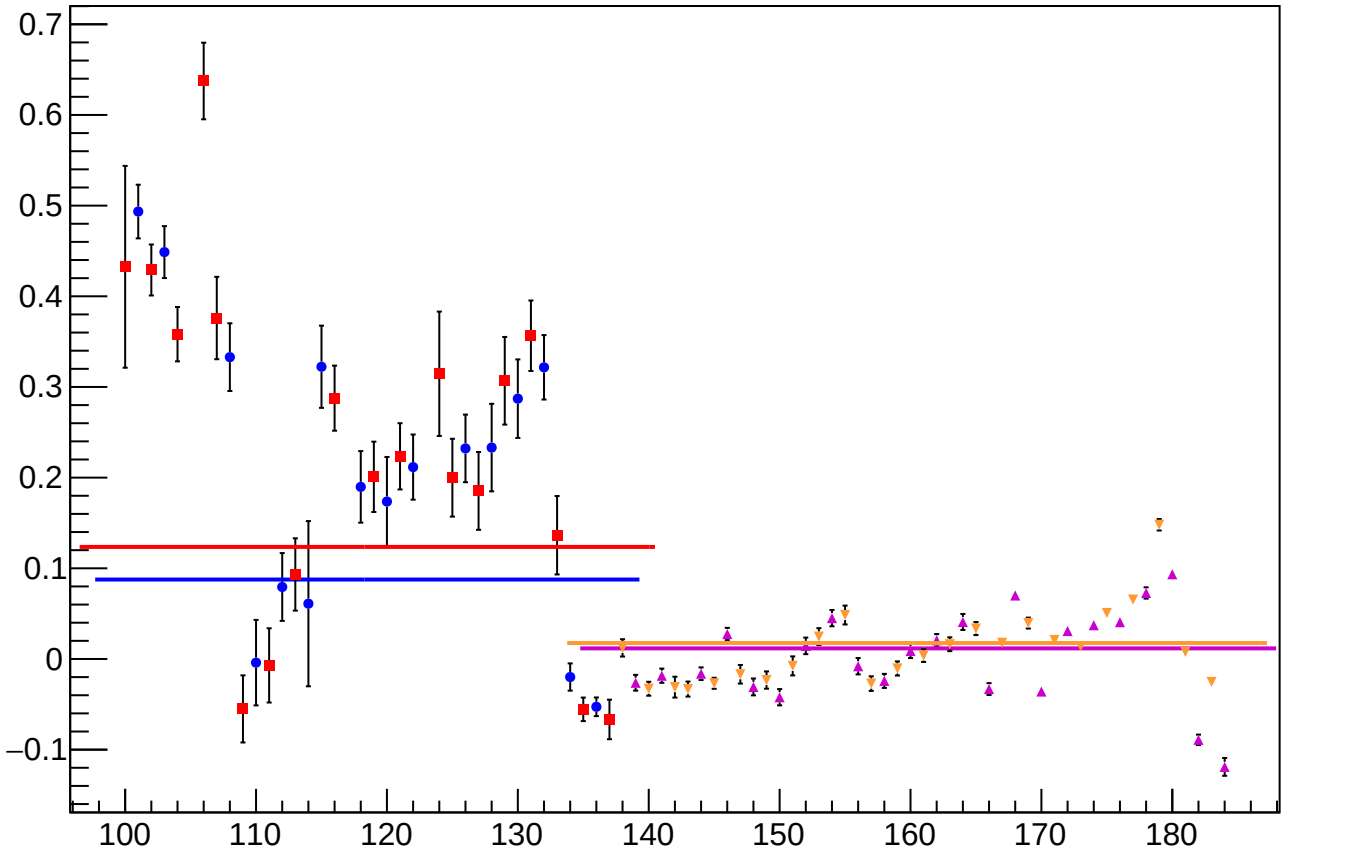
Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.164+/-0.030 χ^2/NDF: 3599.6/39

All: -6.207+/-0.021 χ^2/NDF: 6992.4/81

- sign -6.251+/-0.031 χ^2/NDF: 3388.7/41



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

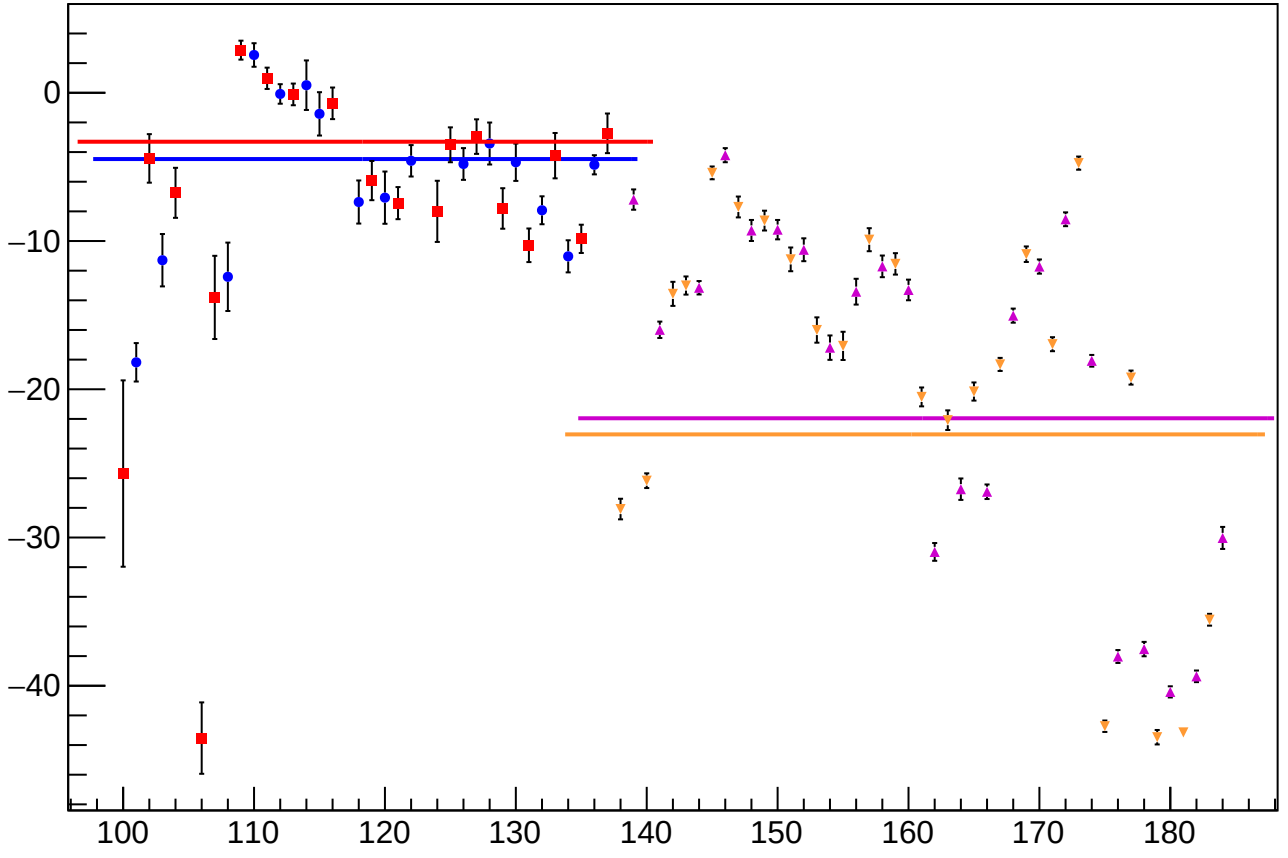
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.021+/-0.001 χ^2/NDF: 1750.8/39

All: 0.018+/-0.001 χ^2/NDF: 4041.8/81

- sign 0.016+/-0.001 χ^2/NDF: 2284.6/41

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

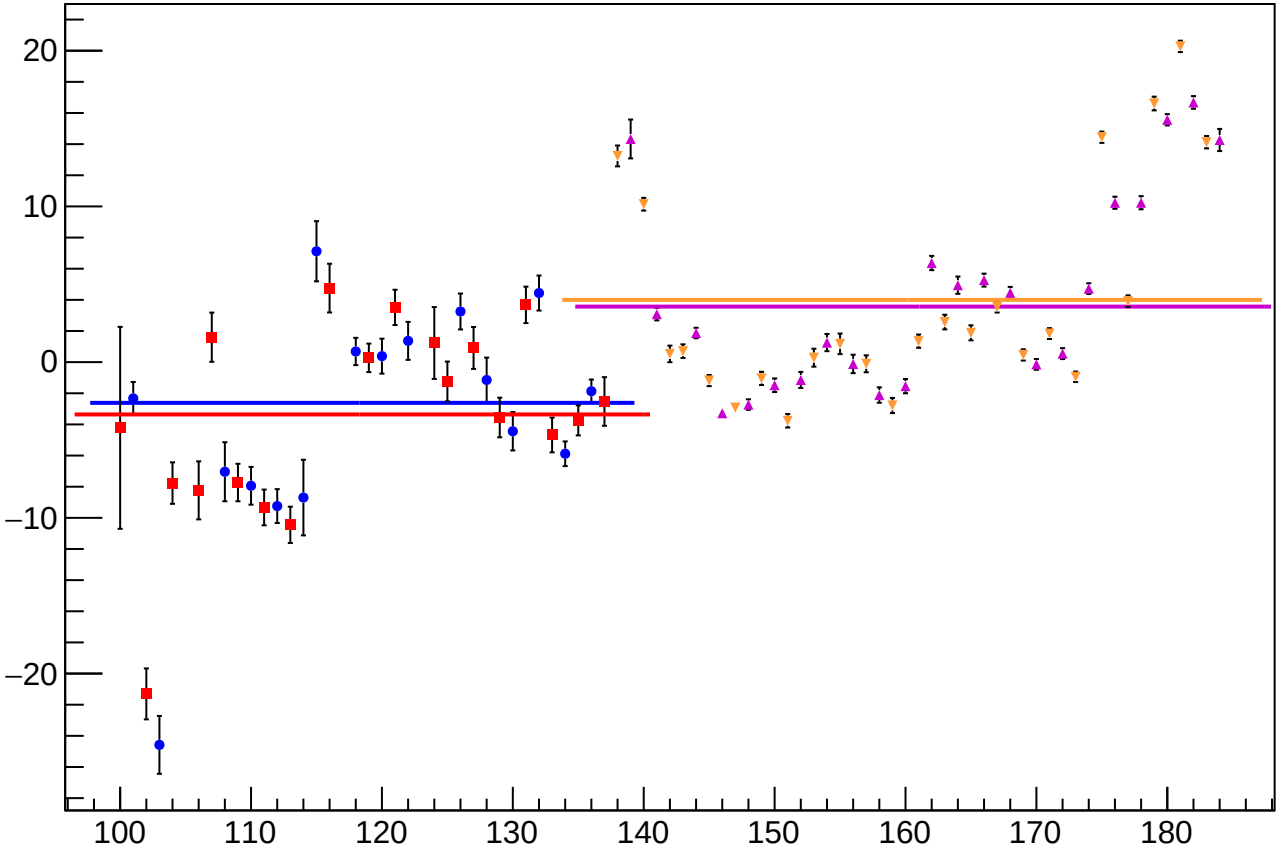
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -20.404+/-0.101 χ^2/NDF: 19948.1/39

All: -19.754+/-0.072 χ^2/NDF: 37530.6/81

- sign -19.089+/-0.102 χ^2/NDF: 17498.9/41

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



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

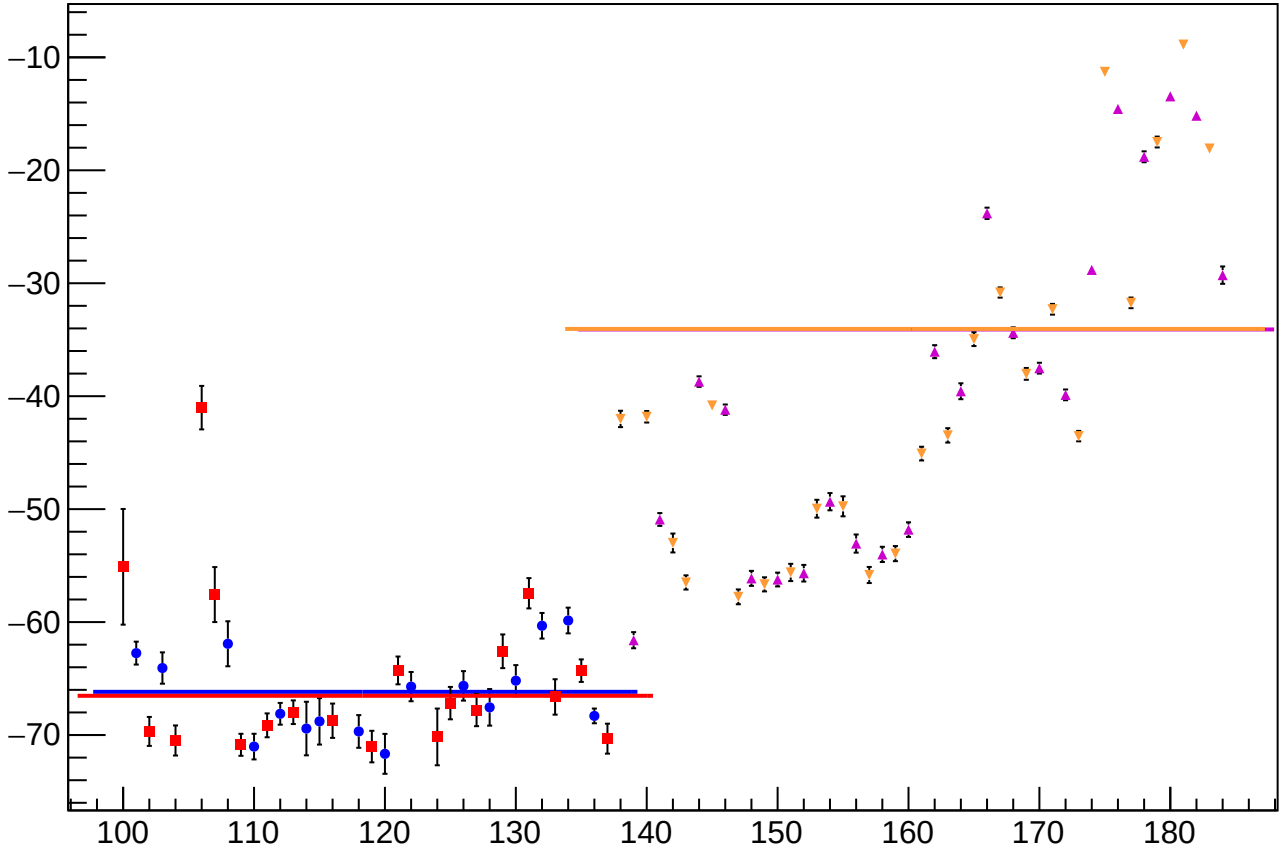
Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.461+/-0.081 χ^2/NDF: 7476.8/39

All: 3.251+/-0.058 χ^2/NDF: 13085.3/81

- sign 3.033+/-0.083 χ^2/NDF: 5595.0/41

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

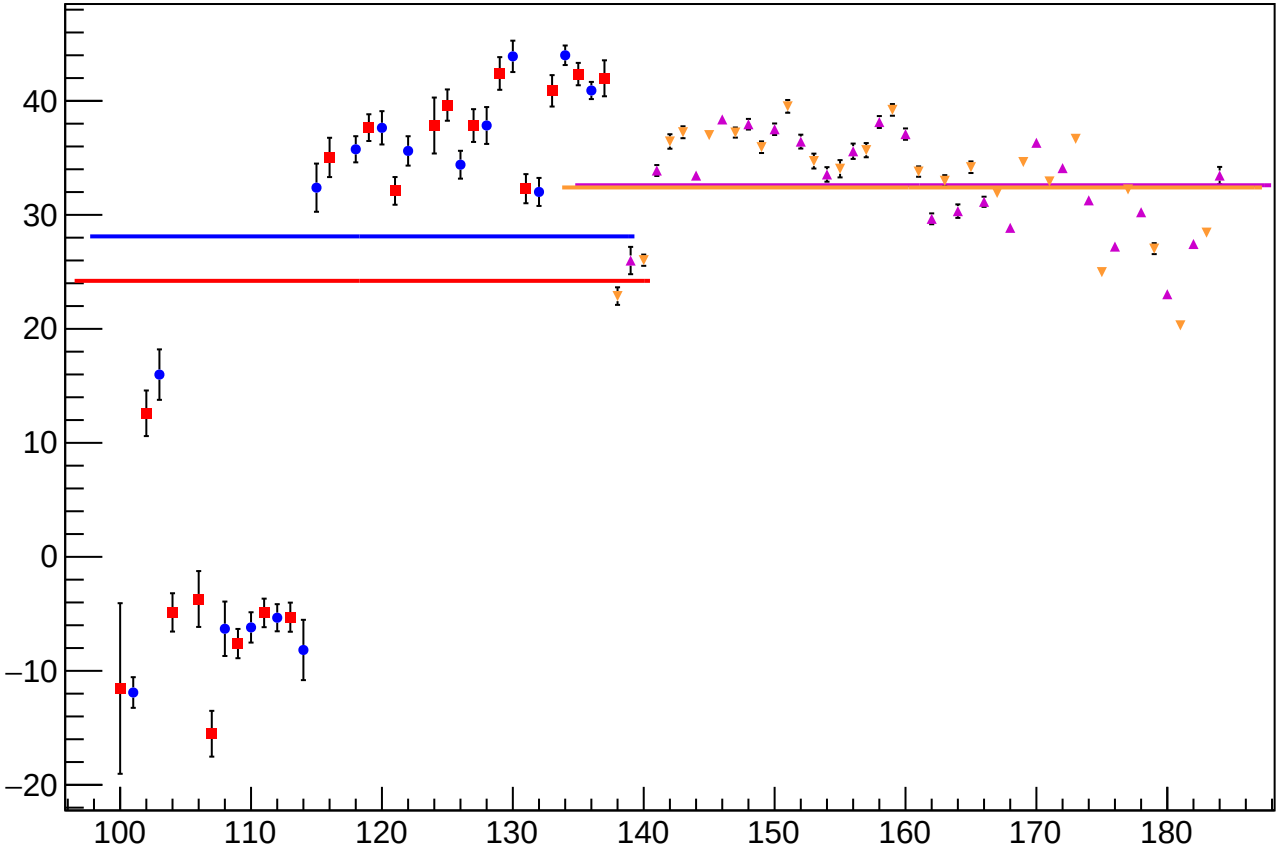
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -37.718+/-0.103 χ^2/NDF: 30841.2/39

All: -37.720+/-0.073 χ^2/NDF: 58457.7/81

- sign -37.722+/-0.105 χ^2/NDF: 27616.6/41

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 32.404+/-0.095 χ^2/NDF:2873.7/23

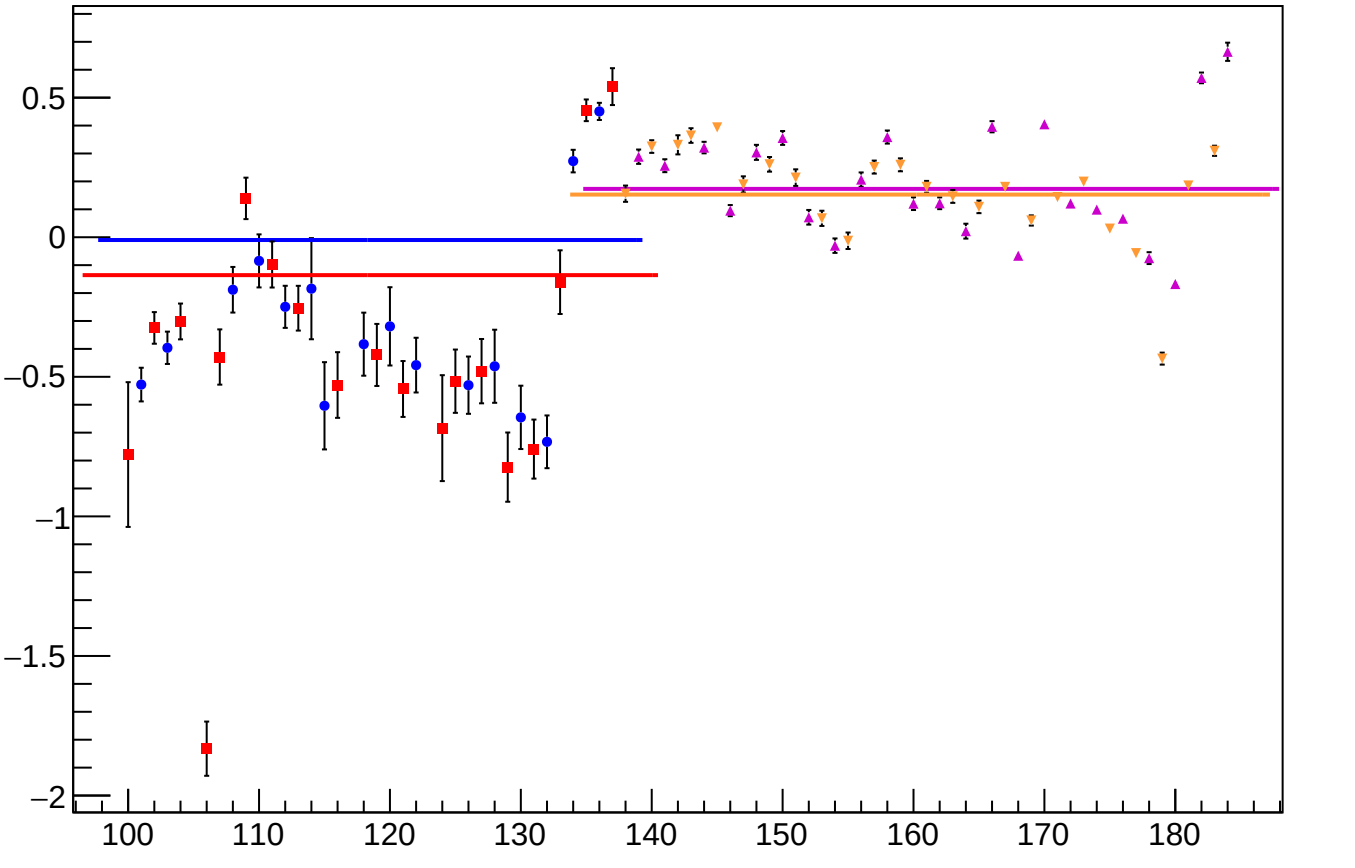
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

\+ sign 32.054+/-0.091 χ^2/NDF: 6766.6/39

All: 32.005+/-0.065 χ^2/NDF: 13198.3/81

\- sign 31.955+/-0.093 χ^2/NDF: 6431.1/41



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.153+/-0.004 χ^2/NDF:1512.3/23

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

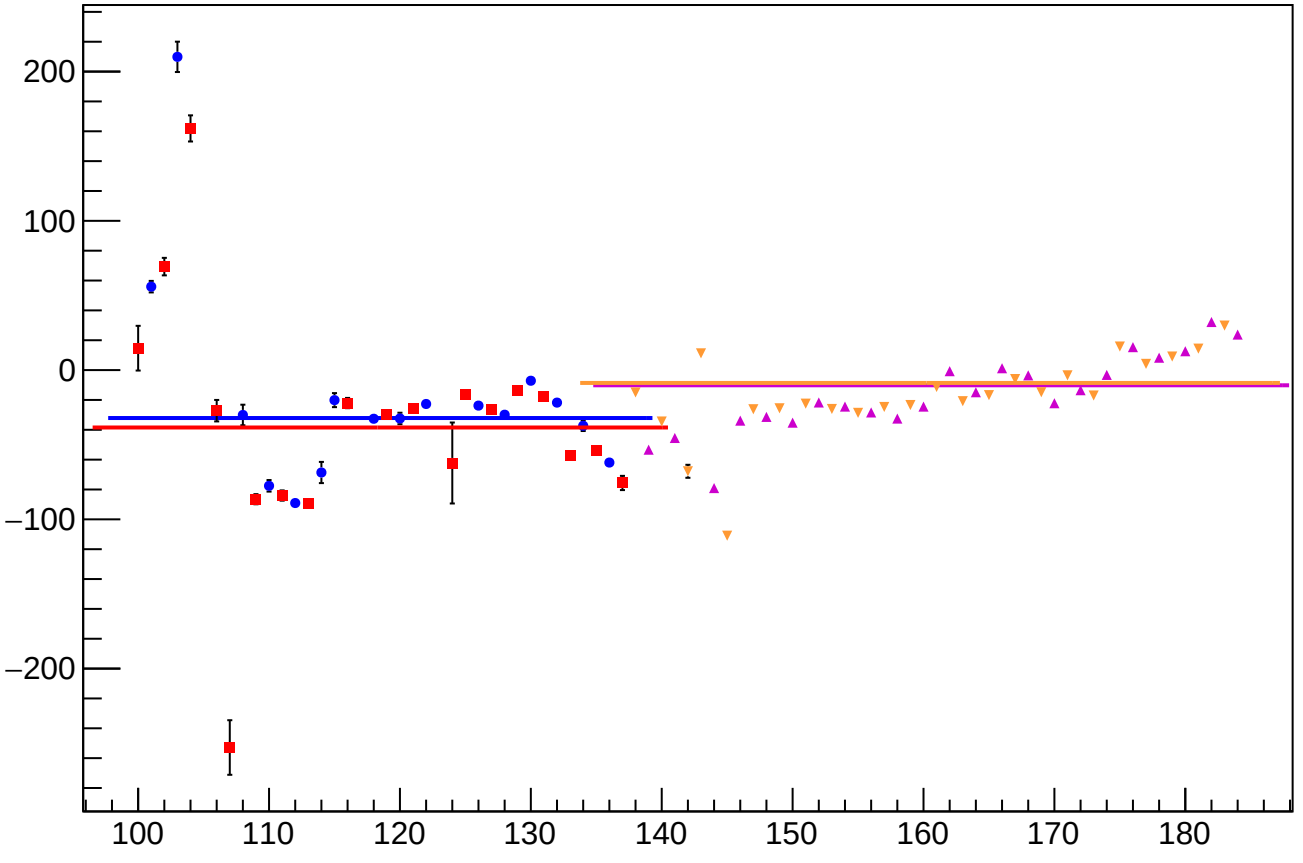
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.143+/-0.004 χ^2/NDF: 2182.8/39

All: 0.150+/-0.003 χ^2/NDF: 5392.6/81

- sign 0.158+/-0.004 χ^2/NDF: 3203.9/41

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

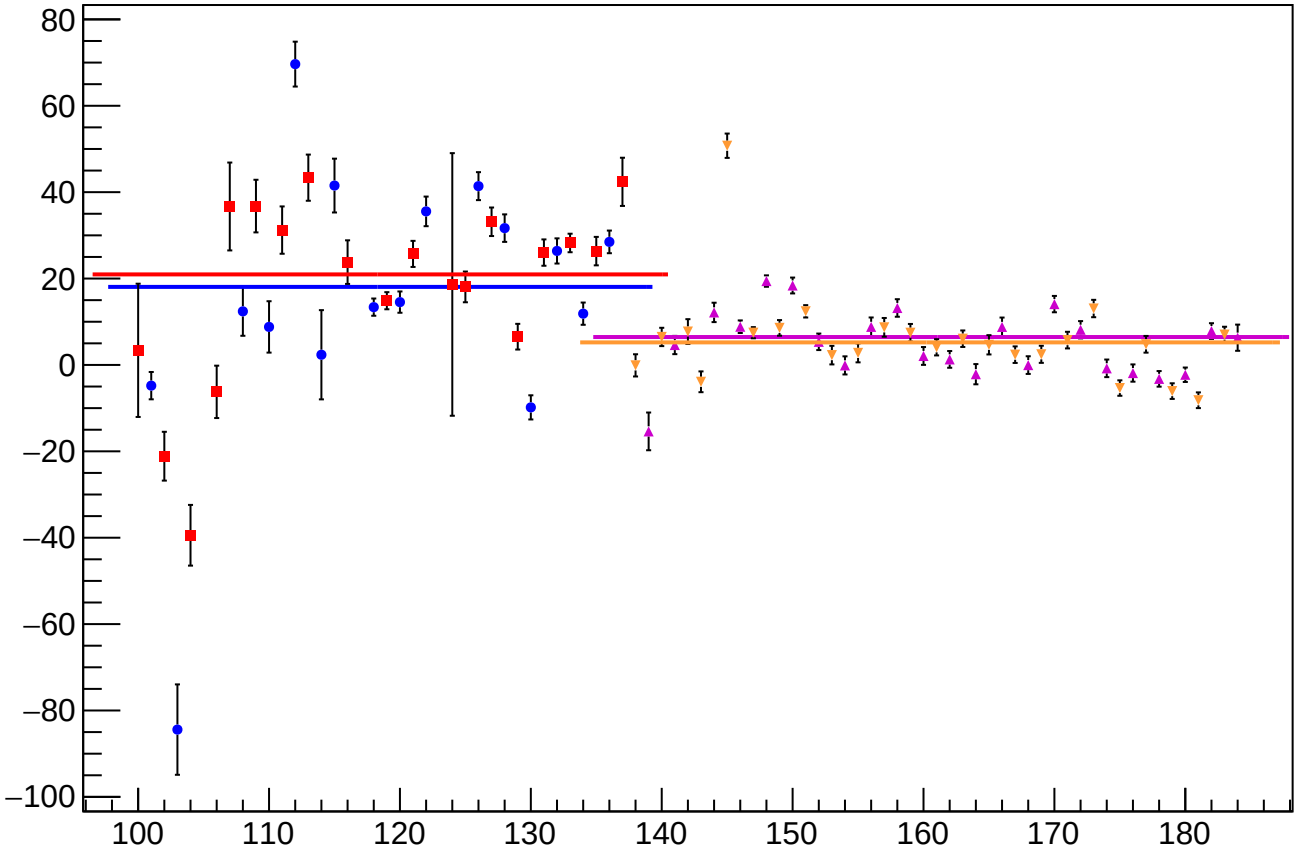
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -15.049+/-0.441 χ^2/NDF: 4980.3/39

All: -16.413+/-0.315 χ^2/NDF: 10271.5/81

- sign -17.829+/-0.450 χ^2/NDF: 5271.7/41

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

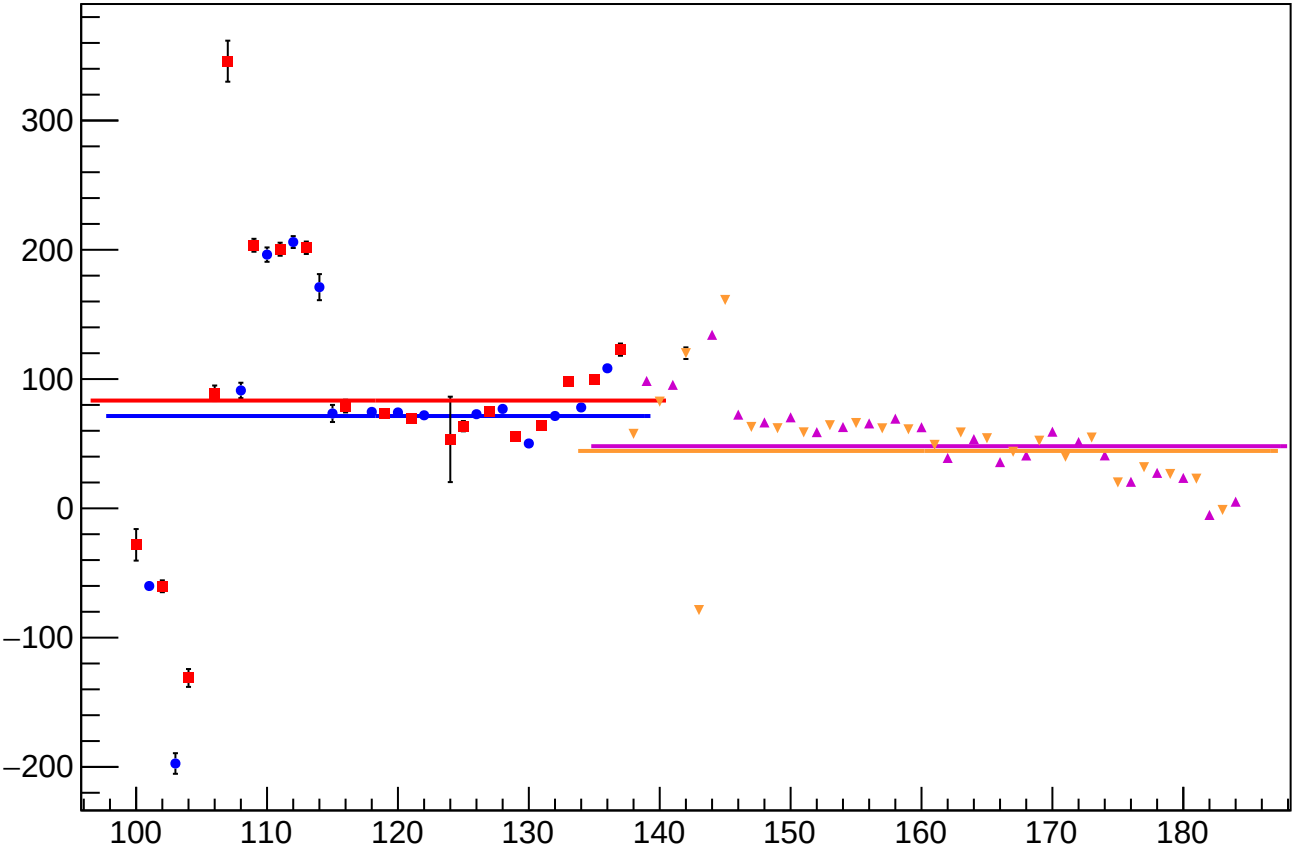
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.643+/-0.357 χ^2/NDF: 1166.5/39

All: 8.339+/-0.257 χ^2/NDF: 2001.2/81

- sign 9.083+/-0.369 χ^2/NDF: 826.9/41

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

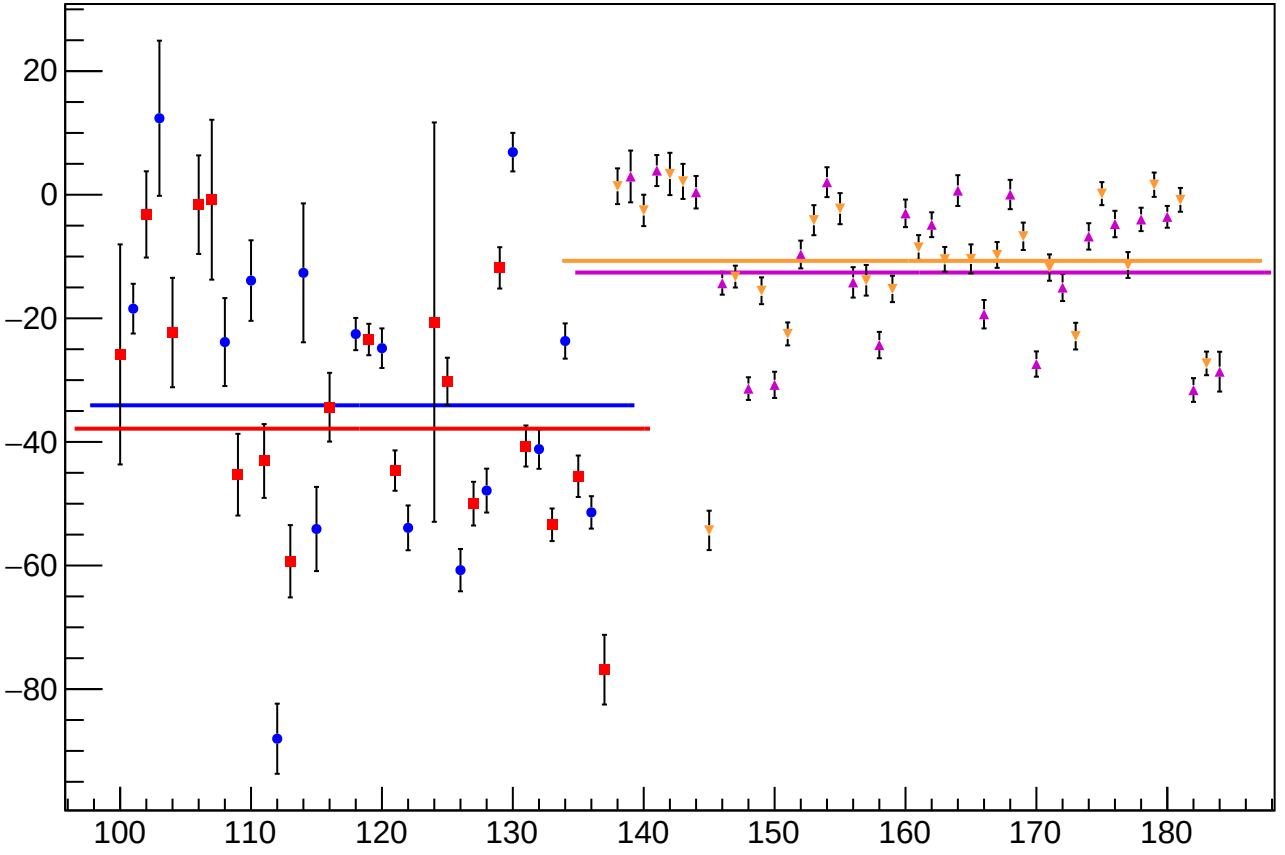
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 50.711+/-0.450 χ^2/NDF: 9993.6/39

All: 53.194+/-0.322 χ^2/NDF: 18733.4/81

- sign 55.798+/-0.461 χ^2/NDF: 8677.4/41

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

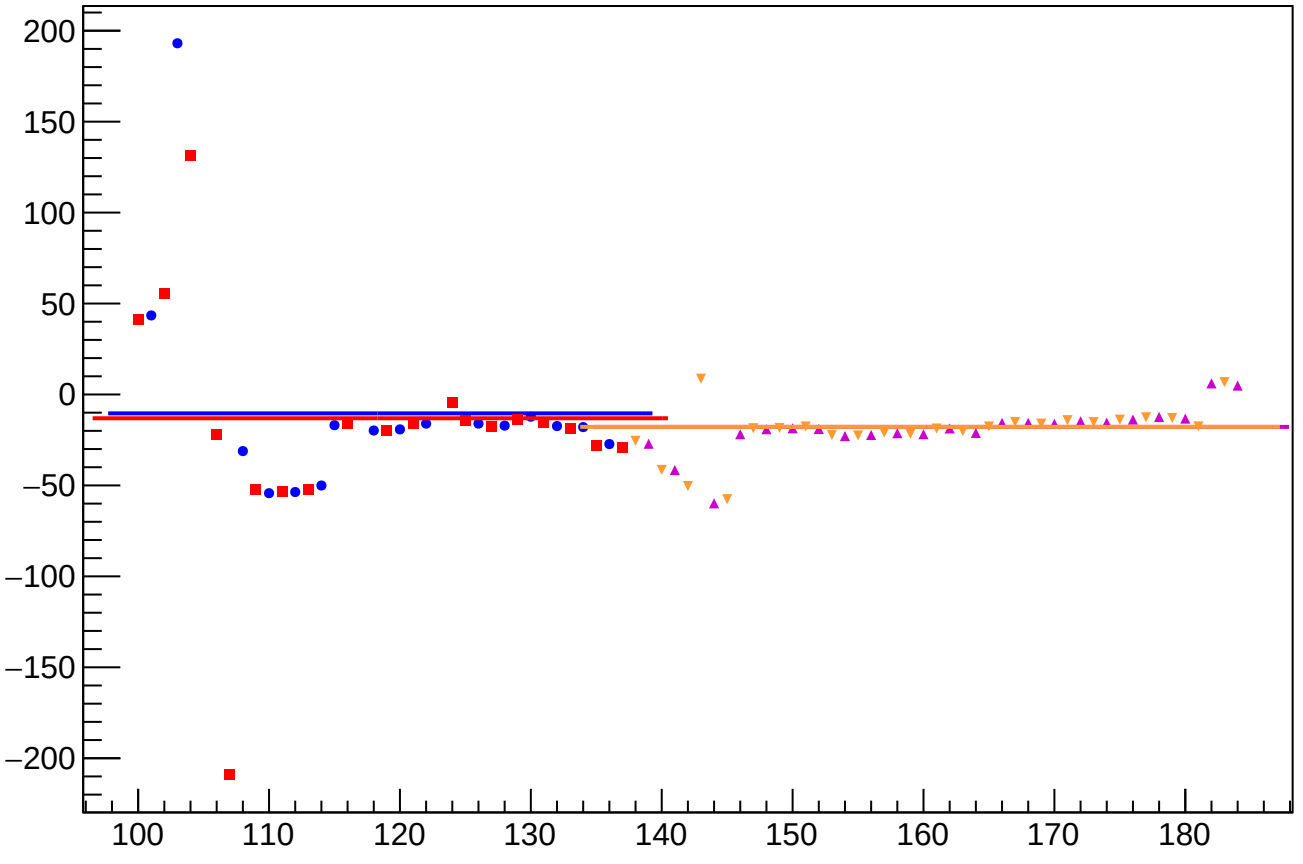
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.014+/-0.405 χ^2/NDF: 1549.5/39

All: -15.992+/-0.290 χ^2/NDF: 3040.8/81

- sign -17.029+/-0.417 χ^2/NDF: 1479.2/41

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

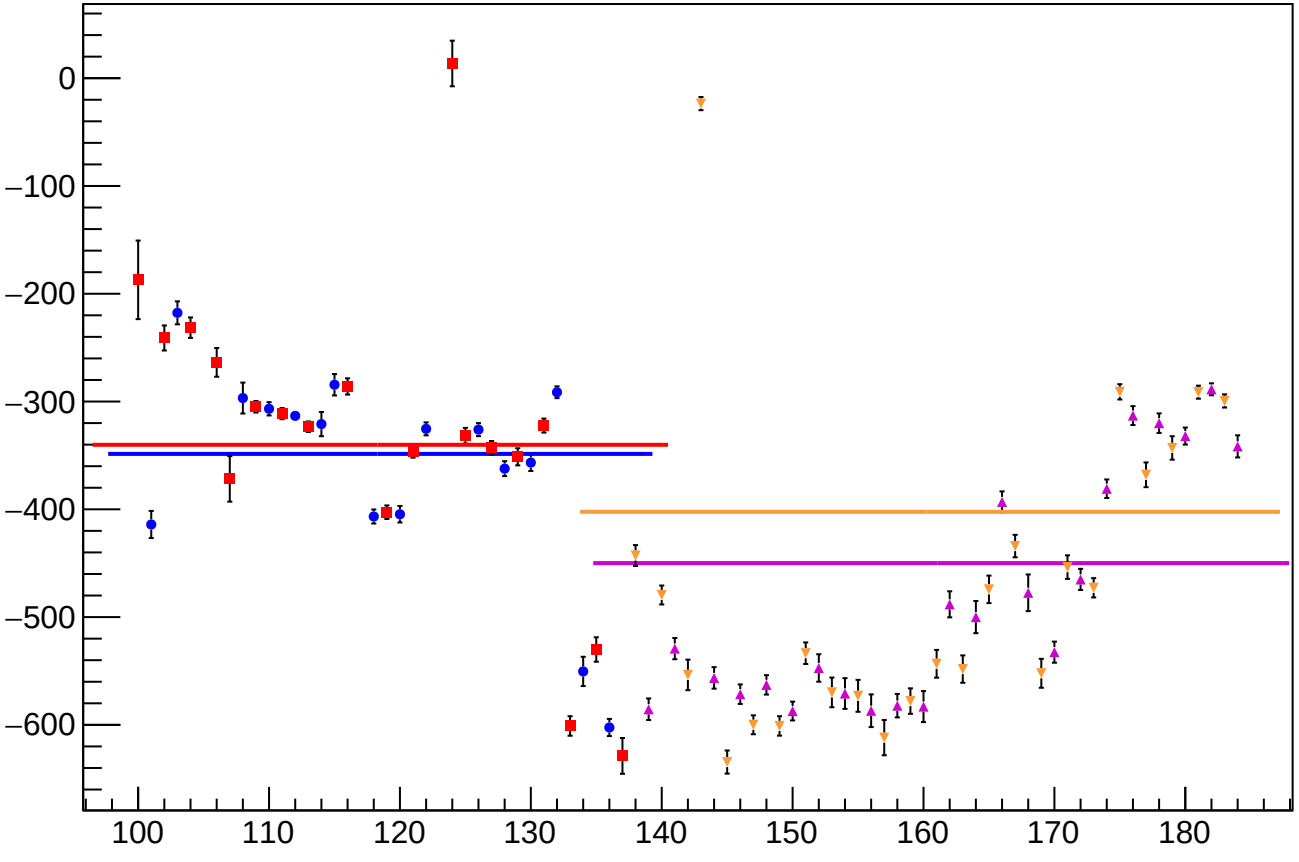
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -16.982+/-0.019 χ^2/NDF: 855791.0/39

All: -17.177+/-0.014 χ^2/NDF: 1578259.1/81

- sign -17.377+/-0.019 χ^2/NDF: 722255.0/41

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

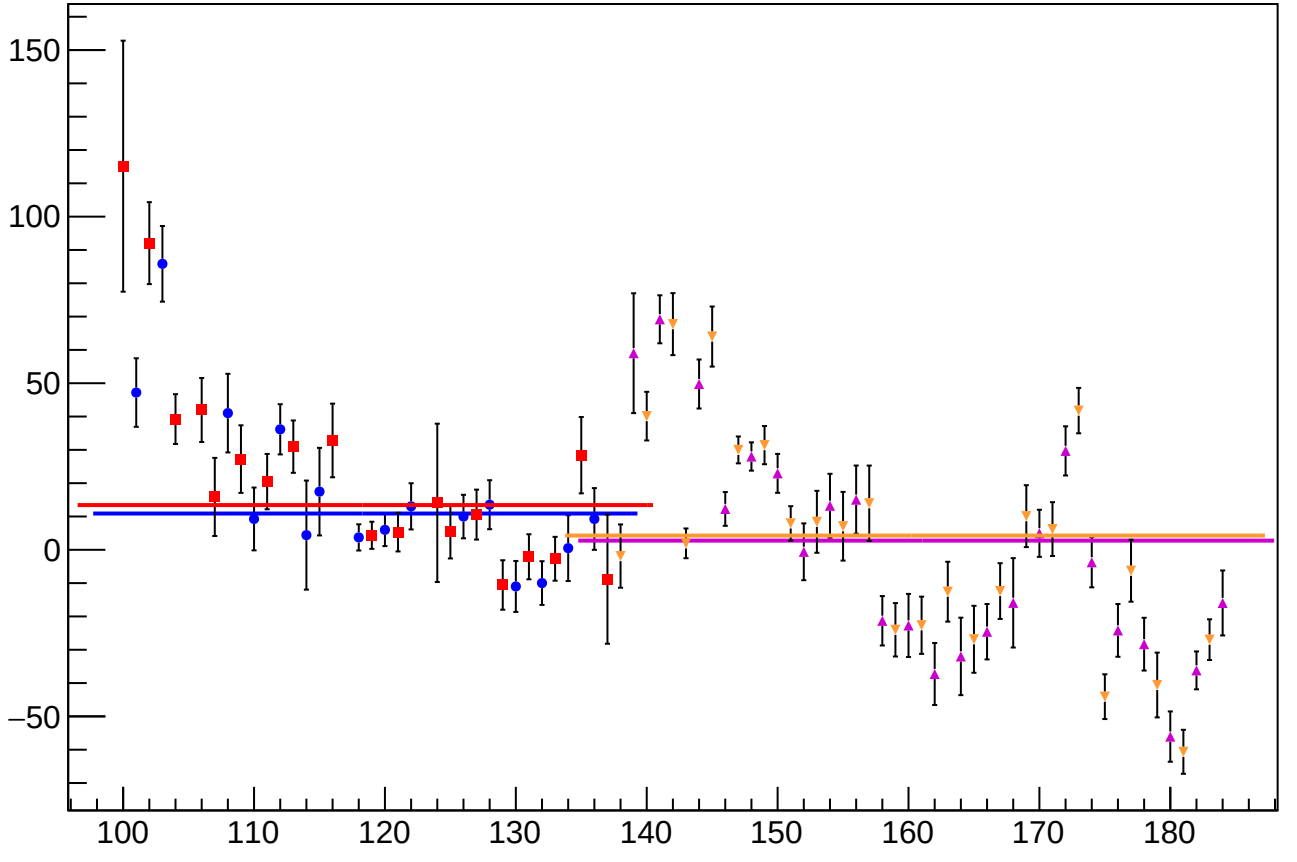
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -373.699+/-1.331 χ^2/NDF: 10002.7/39

All: -380.281+/-0.942 χ^2/NDF: 17125.0/81

- sign -386.881+/-1.333 χ^2/NDF: 7073.4/41

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

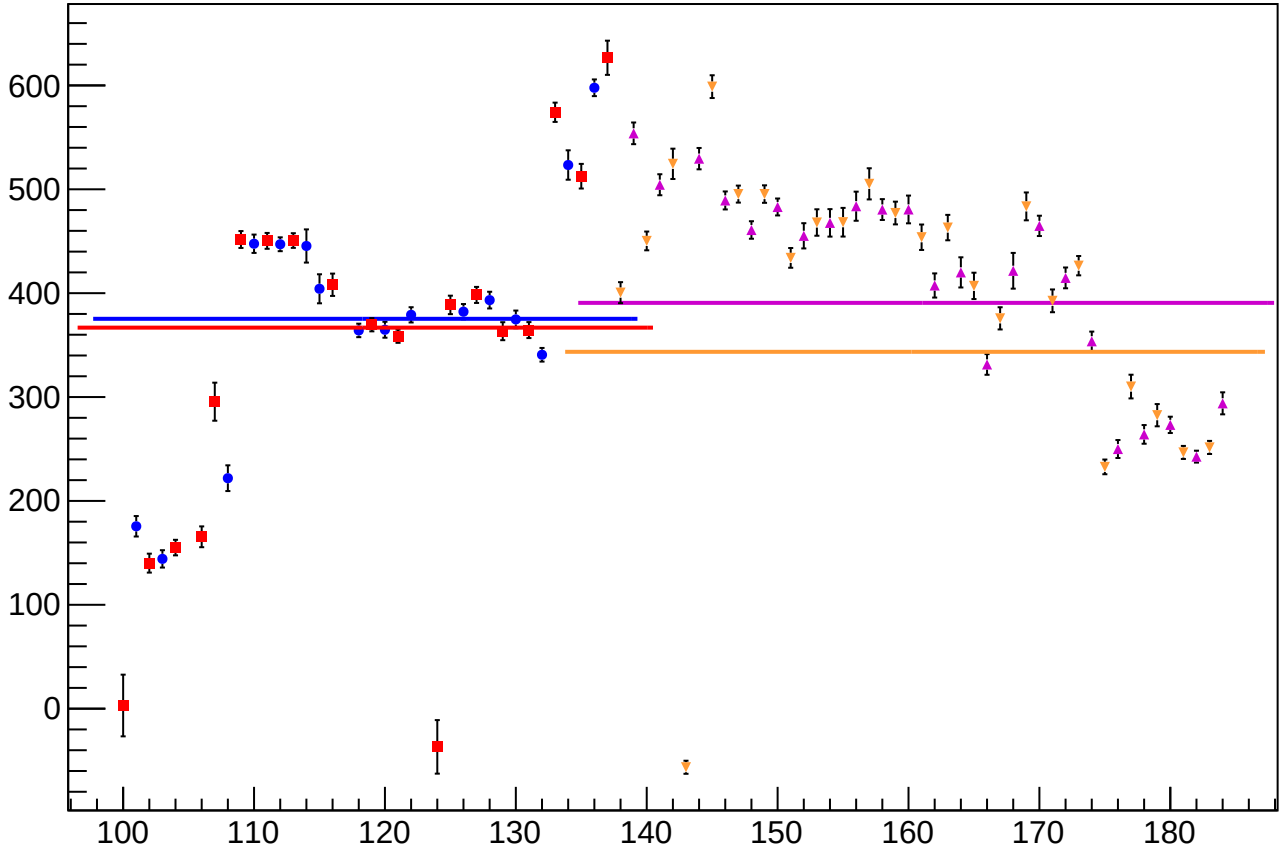
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 6.824+/-1.144 χ^2/NDF: 553.2/39

All: 6.985+/-0.825 χ^2/NDF: 1084.7/81

- sign 7.159+/-1.191 χ^2/NDF: 531.5/41

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

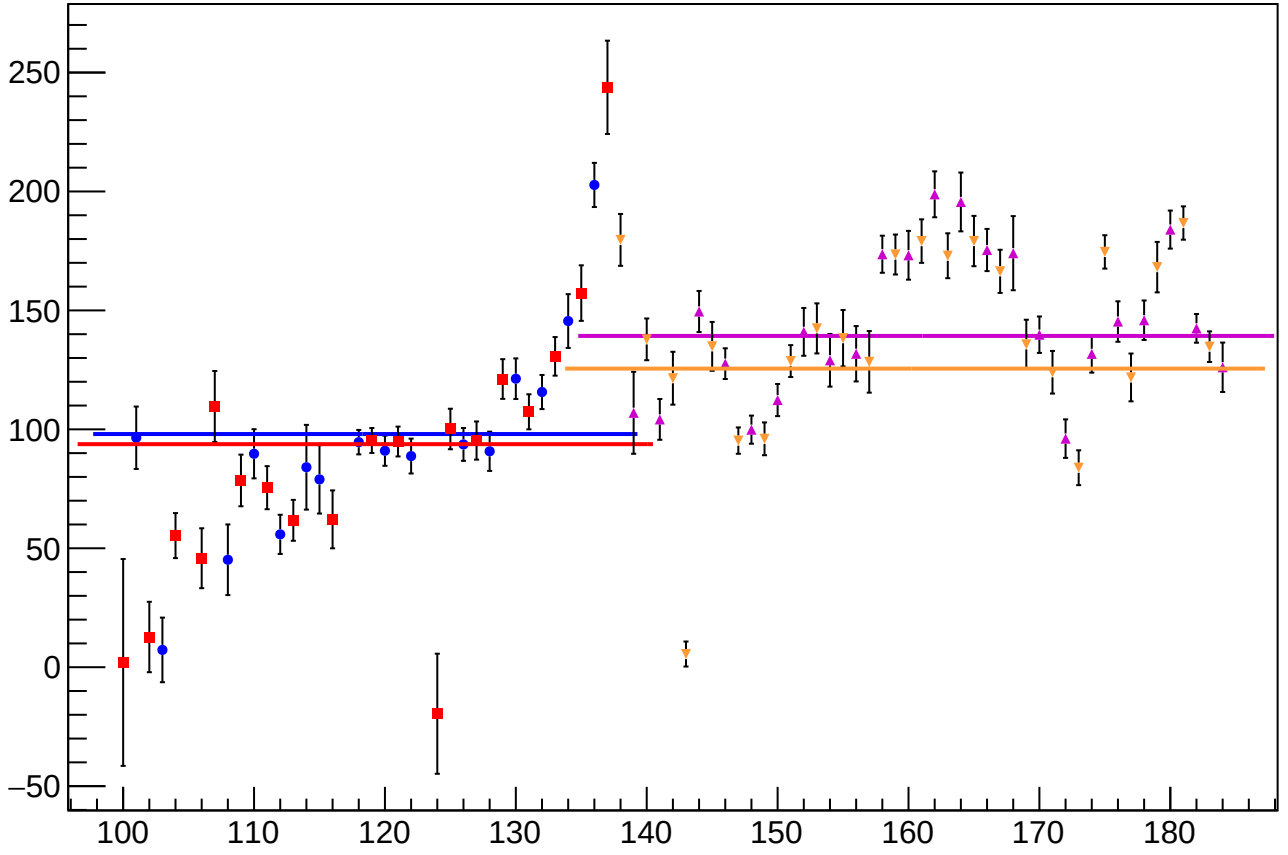
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 358.172+/-1.427 χ^2/NDF: 9832.3/39

All: 368.409+/-1.014 χ^2/NDF: 16218.7/81

- sign 378.867+/-1.442 χ^2/NDF: 6282.2/41

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

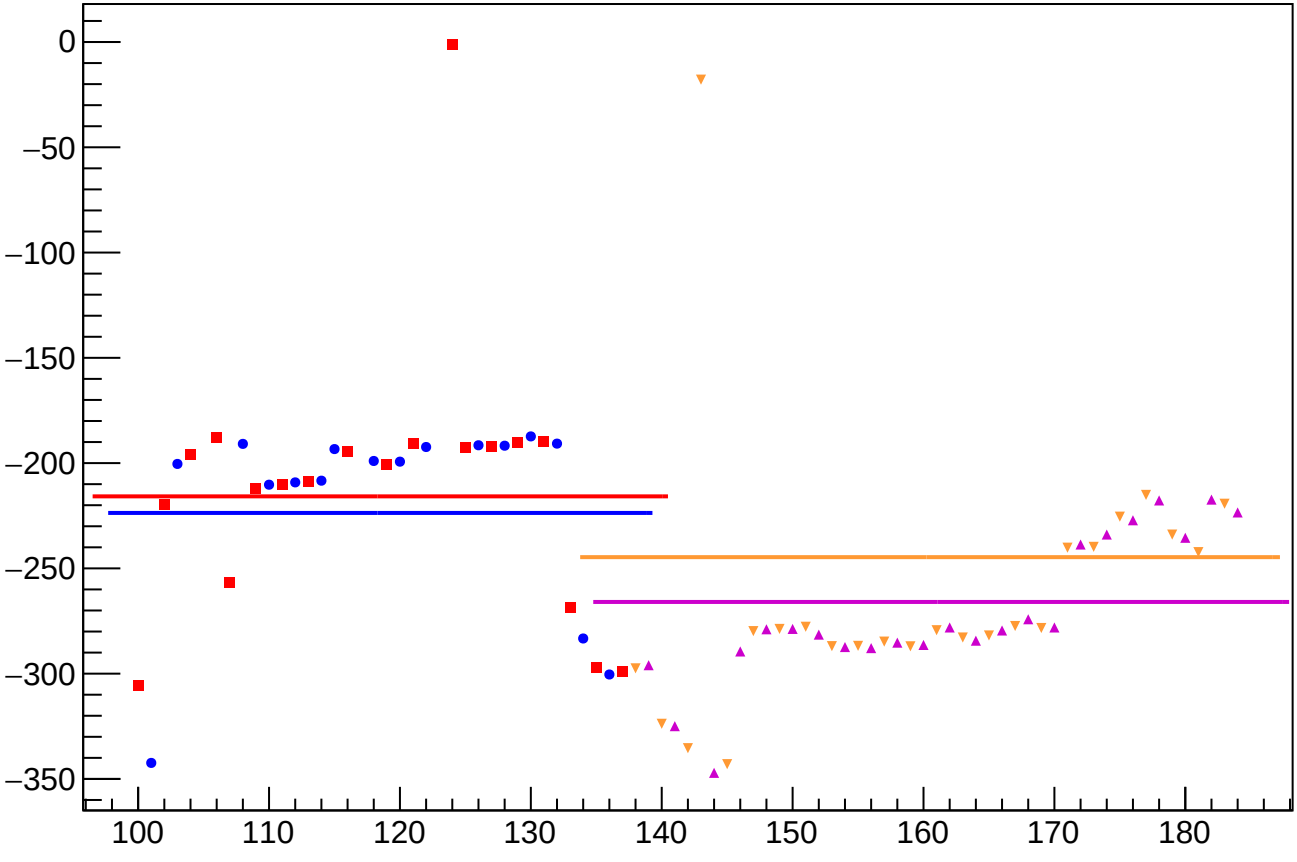
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 115.093+/-1.321 χ^2/NDF: 1266.6/39

All: 117.848+/-0.949 χ^2/NDF: 2042.4/81

- sign 120.782+/-1.363 χ^2/NDF: 766.8/41

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

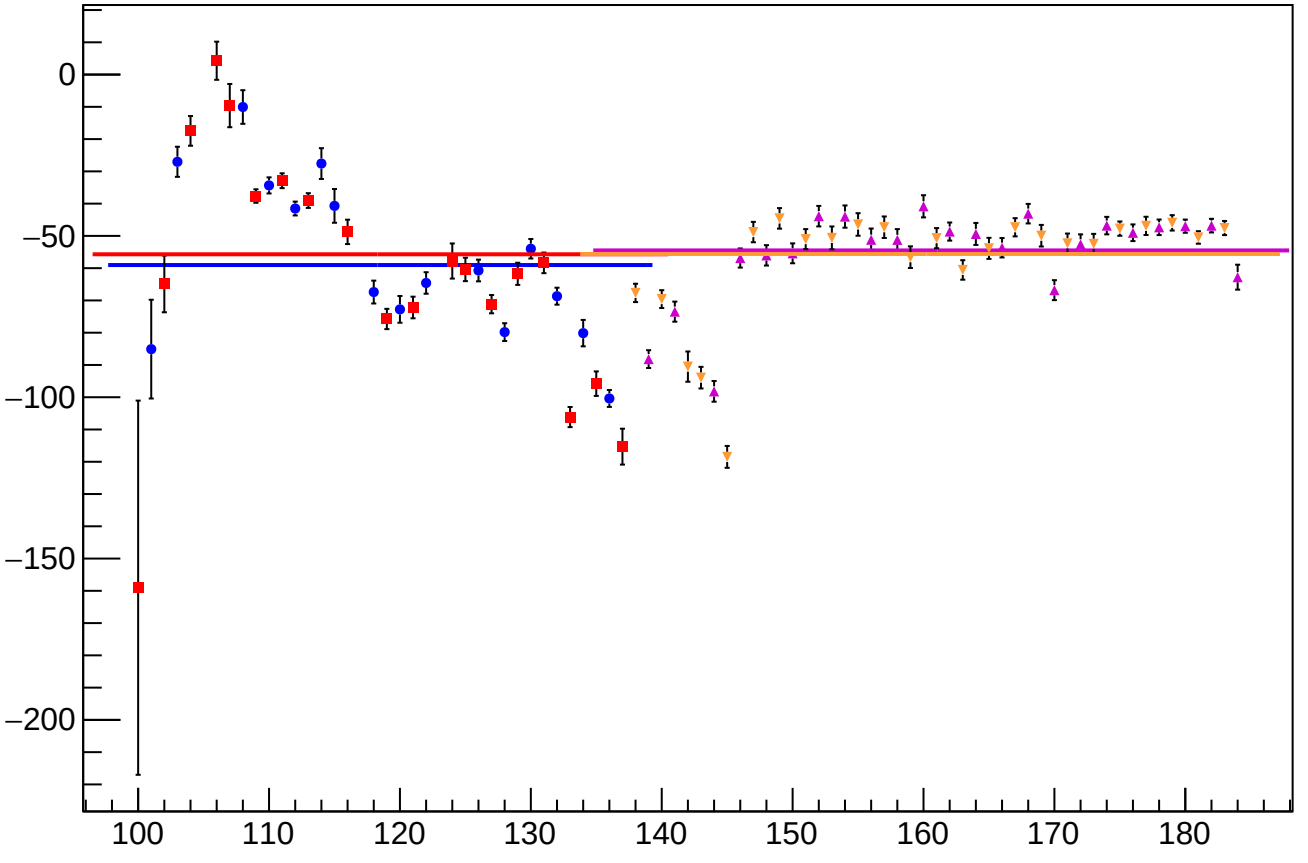
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.567+/-0.068 χ^2/NDF: 1134244.4/39

All: -246.043+/-0.049 χ^2/NDF: 1506574.4/81

- sign -252.689+/-0.069 χ^2/NDF: 354036.3/41

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

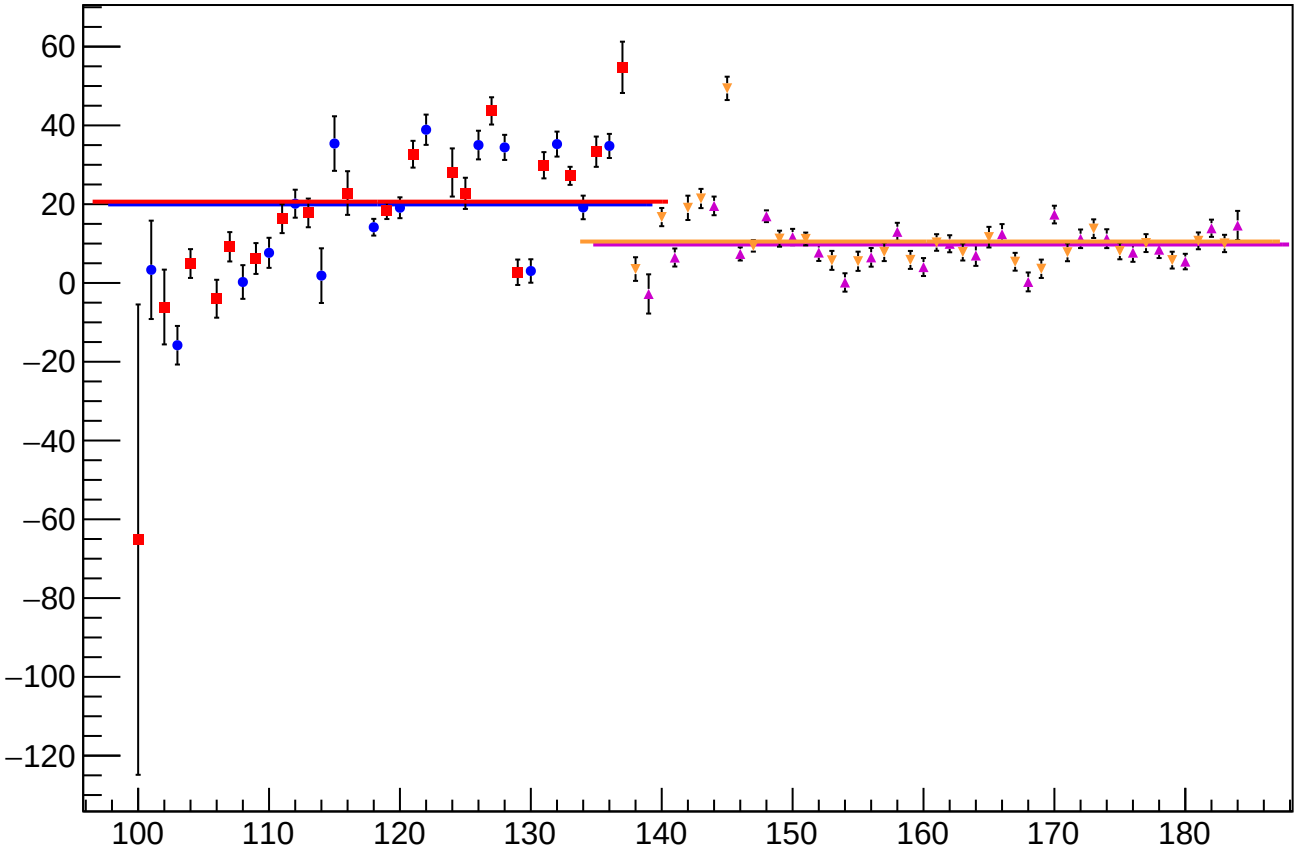
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -56.762+/-0.483 χ^2/NDF: 1425.0/39

All: -55.849+/-0.341 χ^2/NDF: 2975.1/81

- sign -54.944+/-0.481 χ^2/NDF: 1543.0/41

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

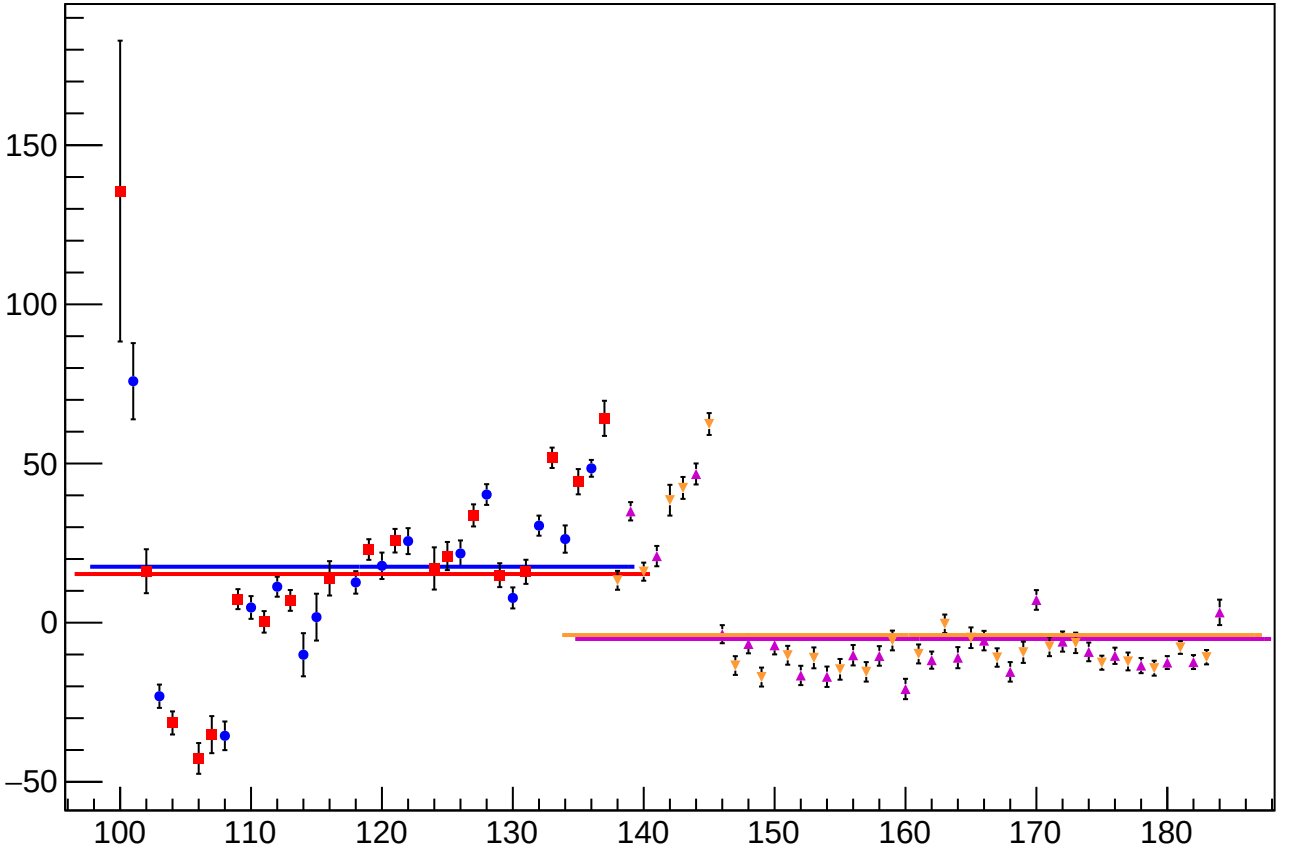
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.531+/-0.401 χ^2/NDF: 592.2/39

All: 12.425+/-0.286 χ^2/NDF: 1065.4/81

- sign 12.315+/-0.409 χ^2/NDF: 473.0/41

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

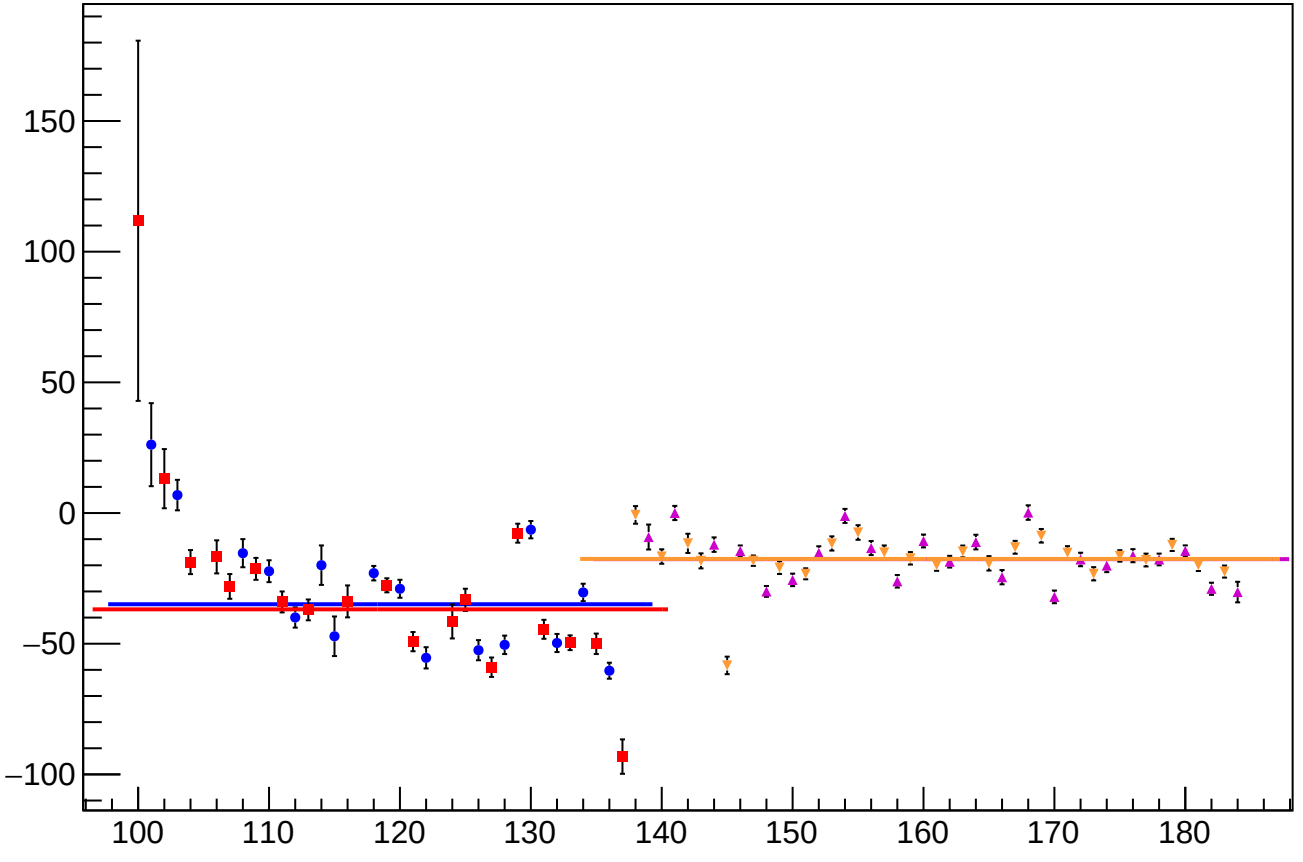
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 2.015+/-0.502 χ^2/NDF: 1761.2/39

All: 1.427+/-0.356 χ^2/NDF: 3481.8/81

- sign 0.832+/-0.505 χ^2/NDF: 1717.8/41

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

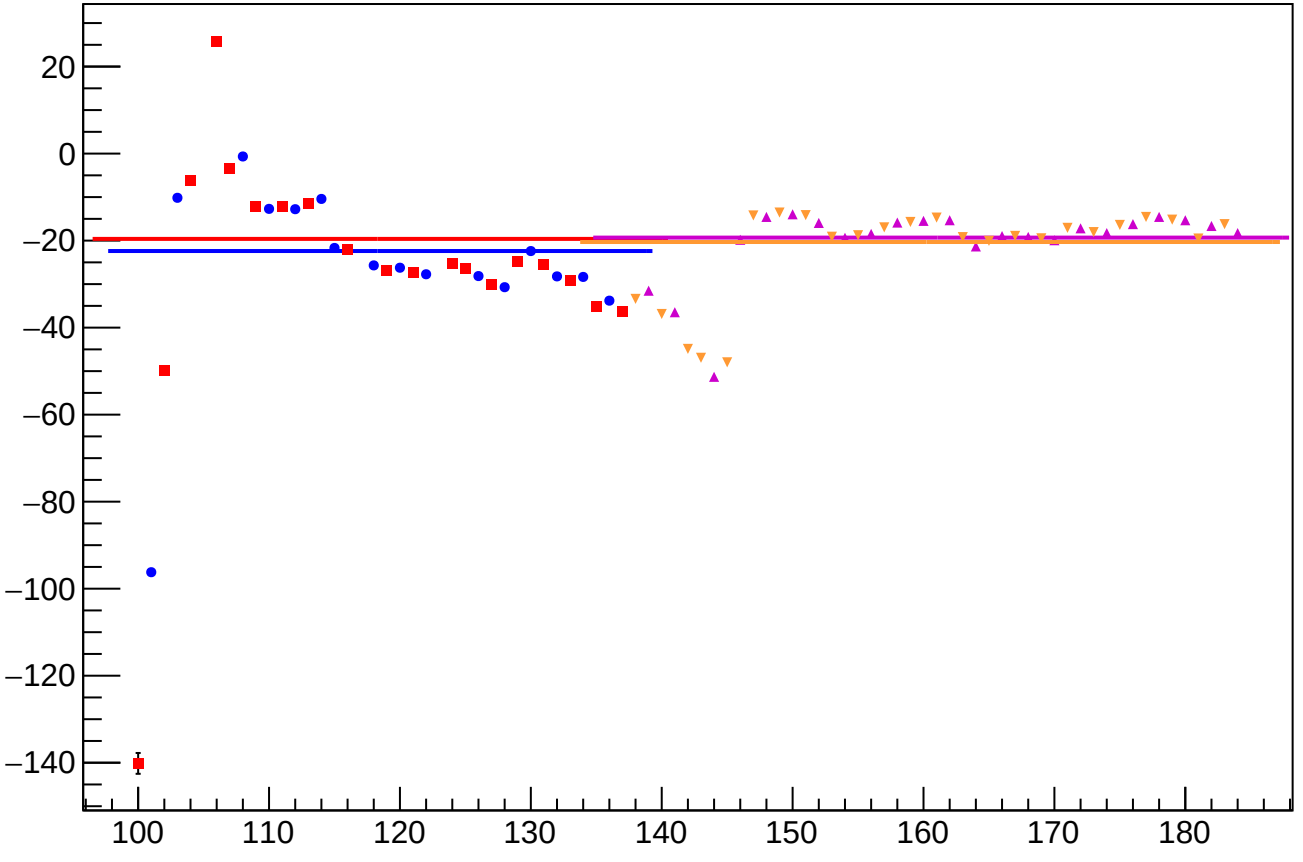
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -21.218+/-0.455 χ^2/NDF: 826.5/39

All: -21.609+/-0.324 χ^2/NDF: 1718.6/81

- sign -22.012+/-0.462 χ^2/NDF: 890.7/41

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

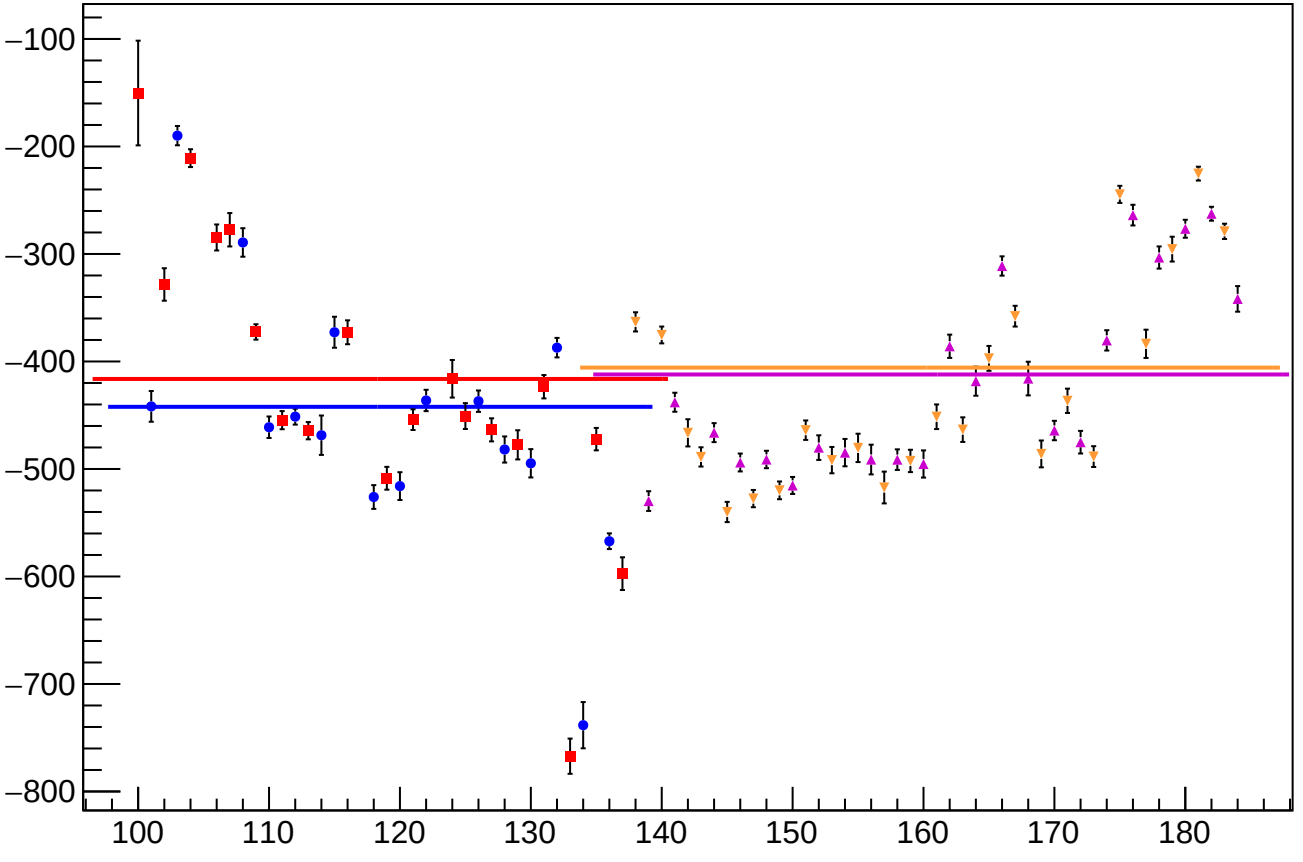
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -20.602+/-0.021 χ^2/NDF: 194004.7/39

All: -19.982+/-0.015 χ^2/NDF: 372671.7/81

- sign -19.349+/-0.022 χ^2/NDF: 176978.1/41

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

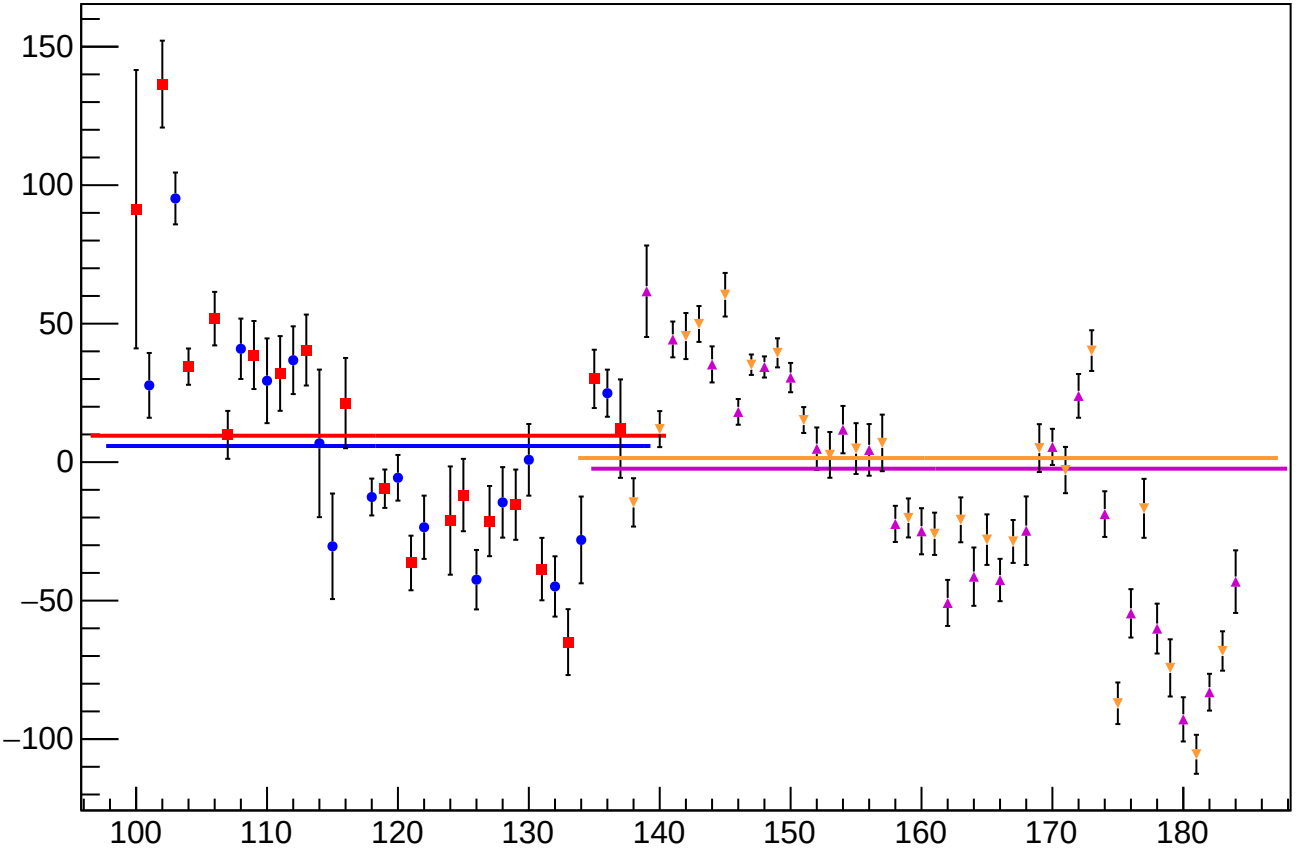
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -418.450+/-1.586 χ^2/NDF: 4523.3/39

All: -416.061+/-1.116 χ^2/NDF: 8465.6/81

- sign -413.715+/-1.571 χ^2/NDF: 3937.8/41

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

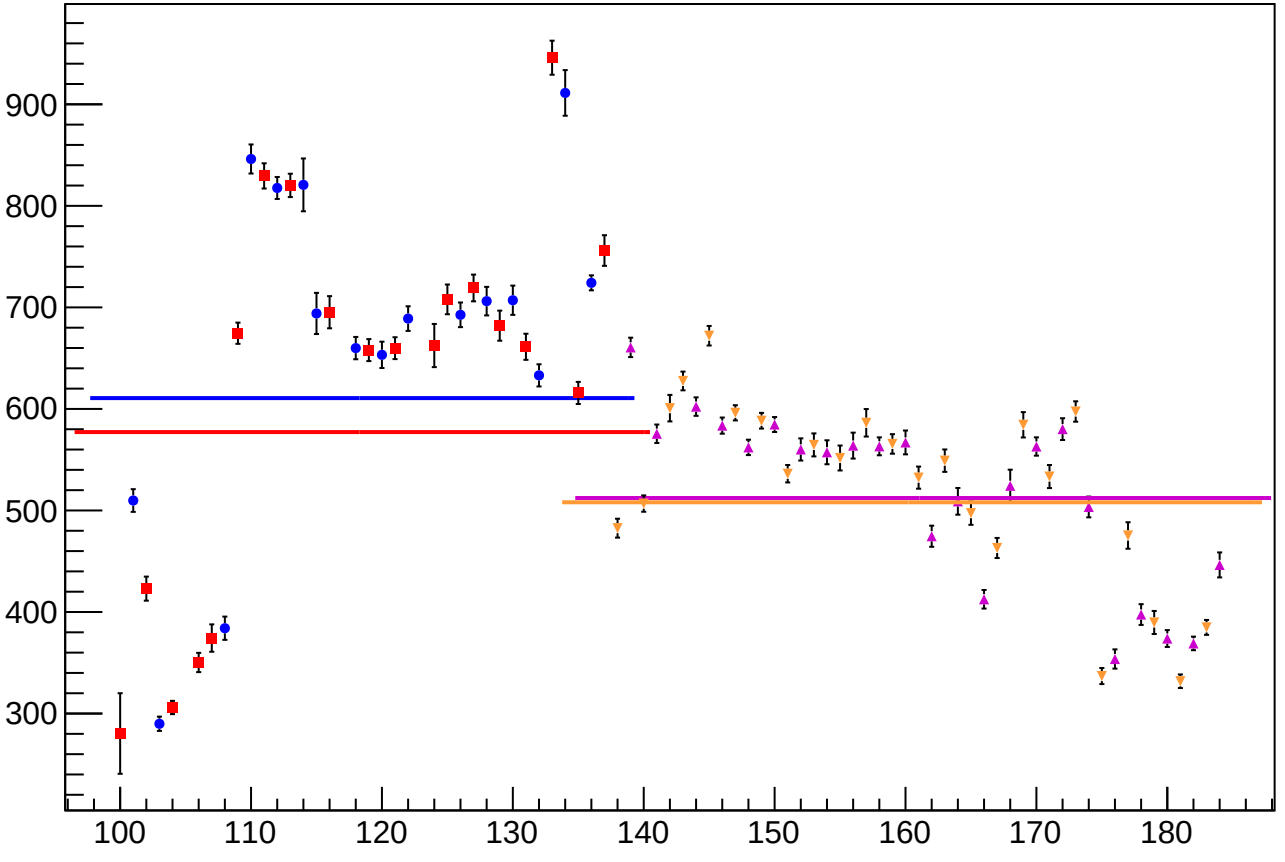
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

\+ sign 2.416+/-1.269 χ^2/NDF: 1087.3/39

All: 1.532+/-0.902 χ^2/NDF: 2060.0/81

\- sign 0.630+/-1.282 χ^2/NDF: 971.7/41

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

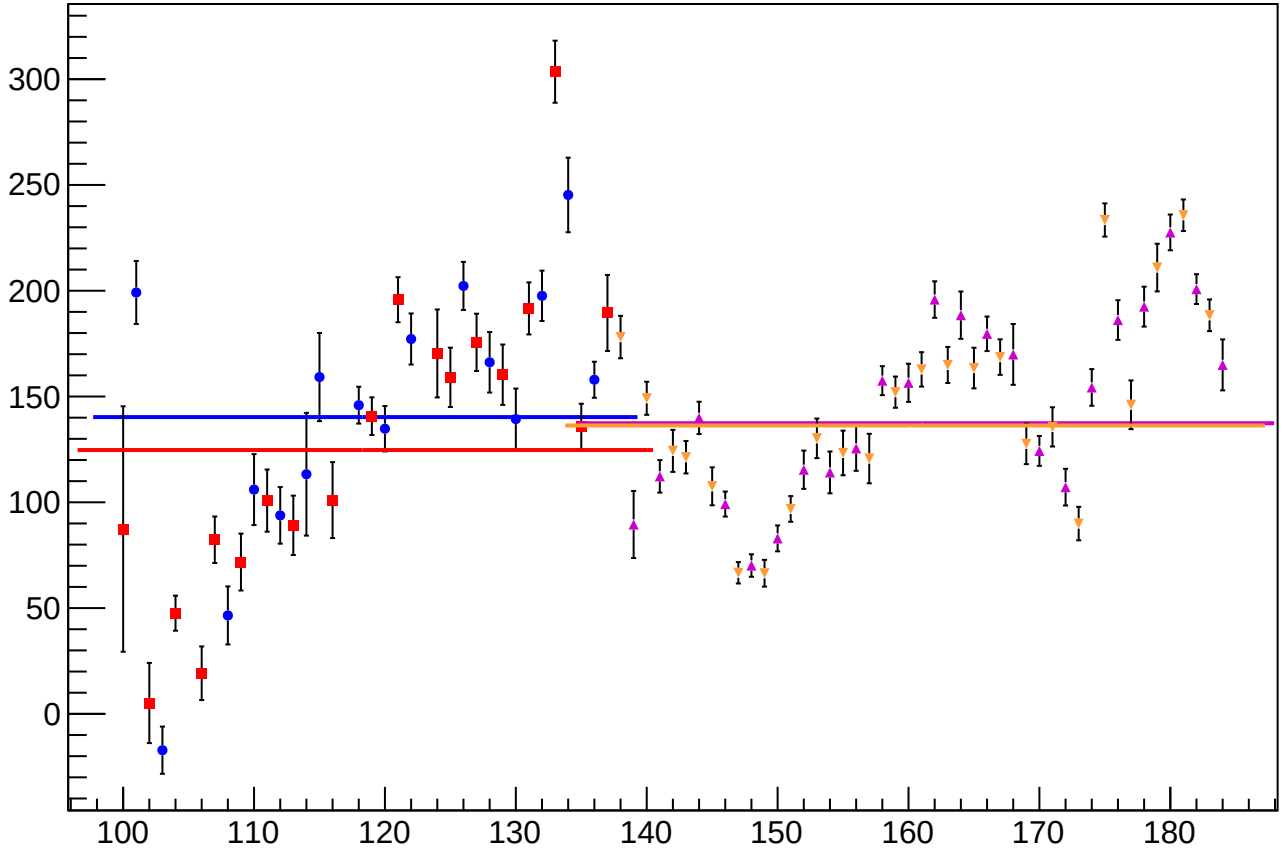
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 540.111+/-1.616 χ^2/NDF: 7356.1/39

All: 537.266+/-1.141 χ^2/NDF: 14616.1/81

- sign 534.443+/-1.610 χ^2/NDF: 7253.8/41

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

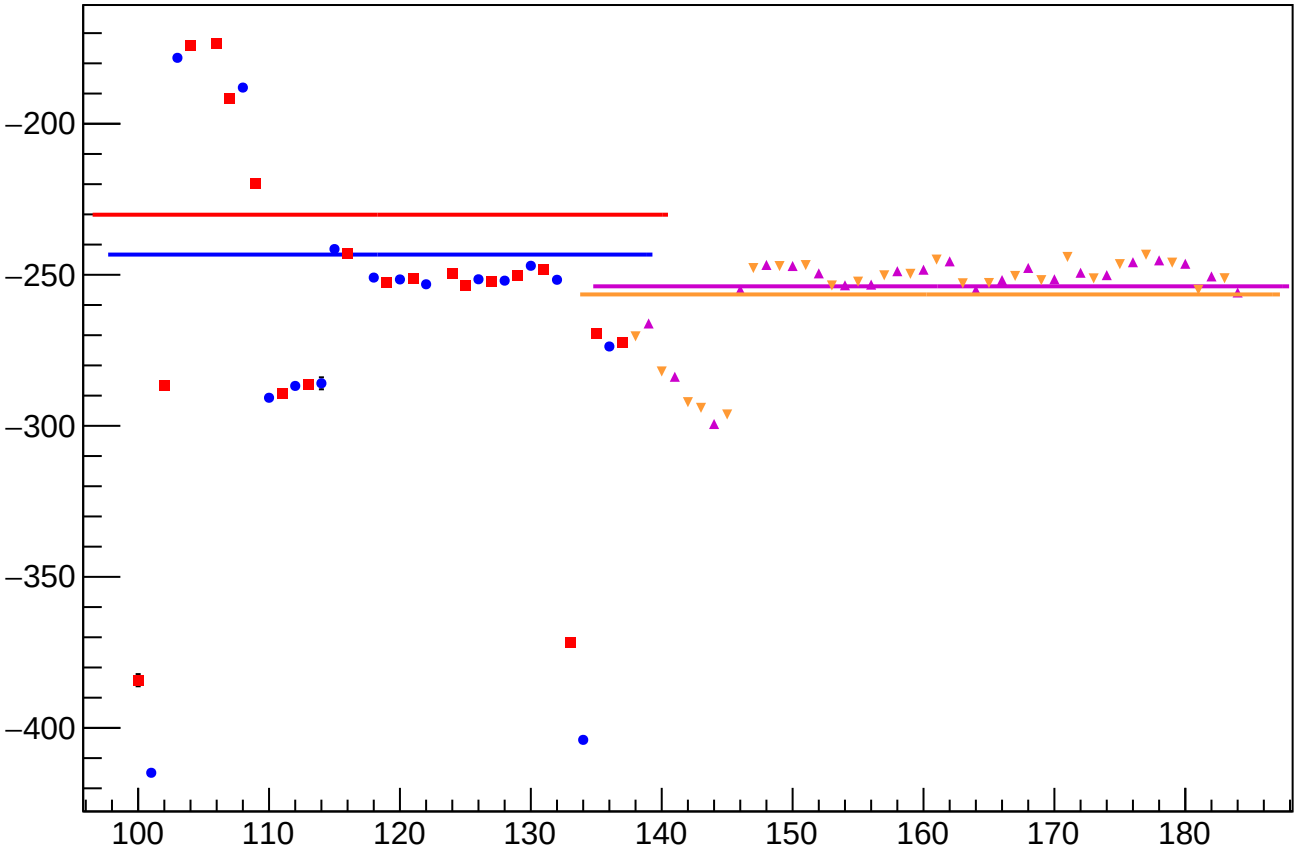
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 137.174+/-1.469 χ^2/NDF: 1287.4/39

All: 135.722+/-1.042 χ^2/NDF: 2517.5/81

- sign 134.253+/-1.478 χ^2/NDF: 1228.1/41

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

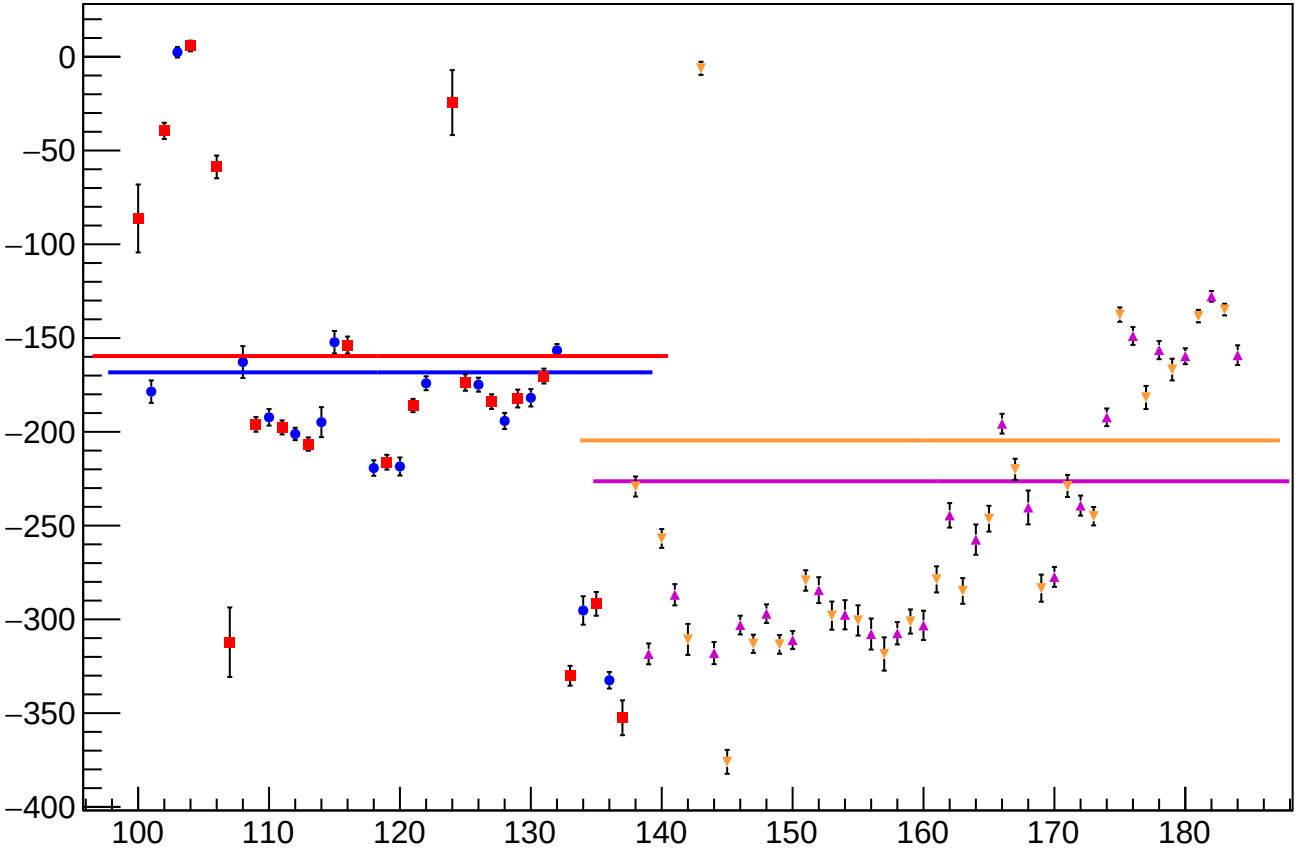
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.045+/-0.070 χ^2/NDF: 218145.4/39

All: -251.589+/-0.049 χ^2/NDF: 365350.7/81

- sign -249.158+/-0.070 χ^2/NDF: 144764.0/41

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

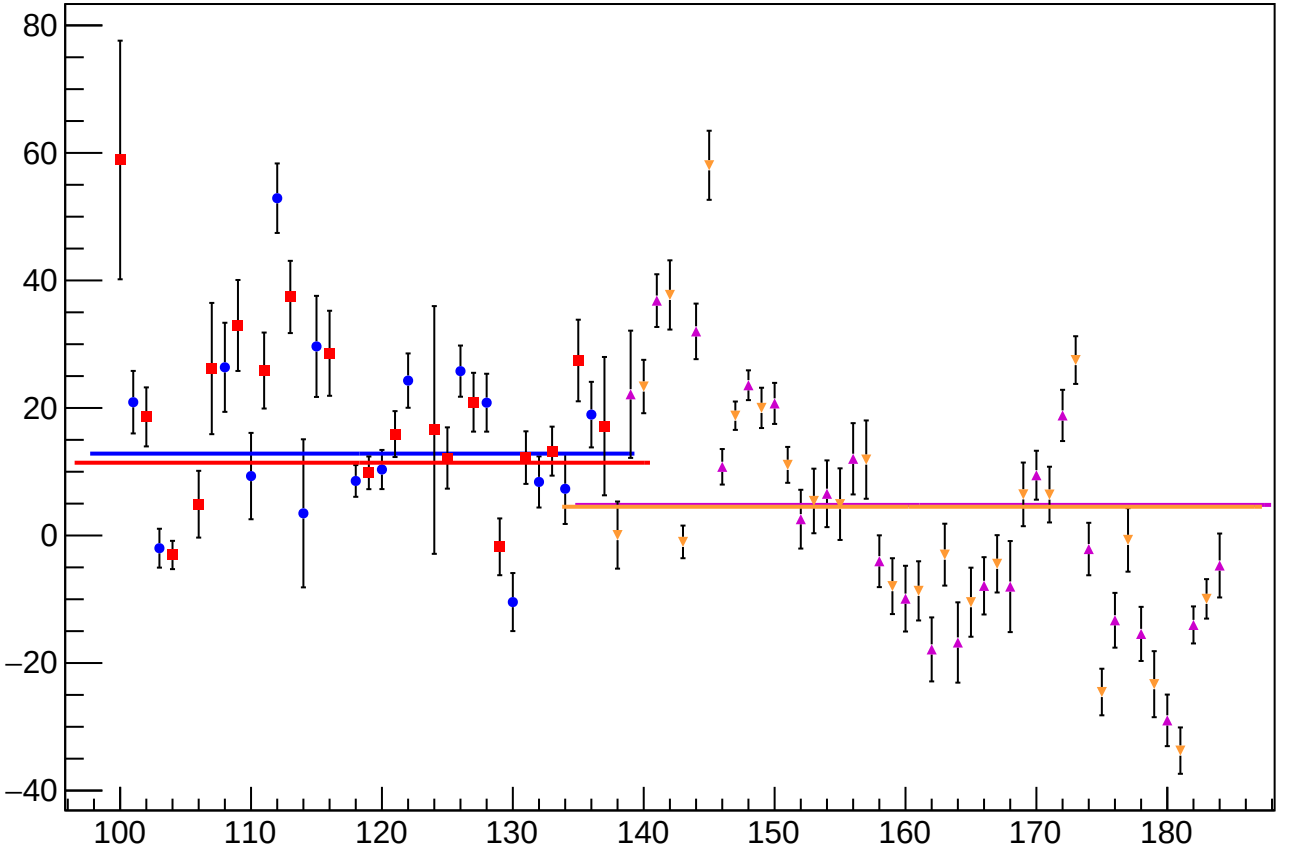
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -186.628+/-0.757 χ^2/NDF: 14304.8/39

All: -188.828+/-0.536 χ^2/NDF: 27670.4/81

- sign -191.037+/-0.758 χ^2/NDF: 13348.7/41

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

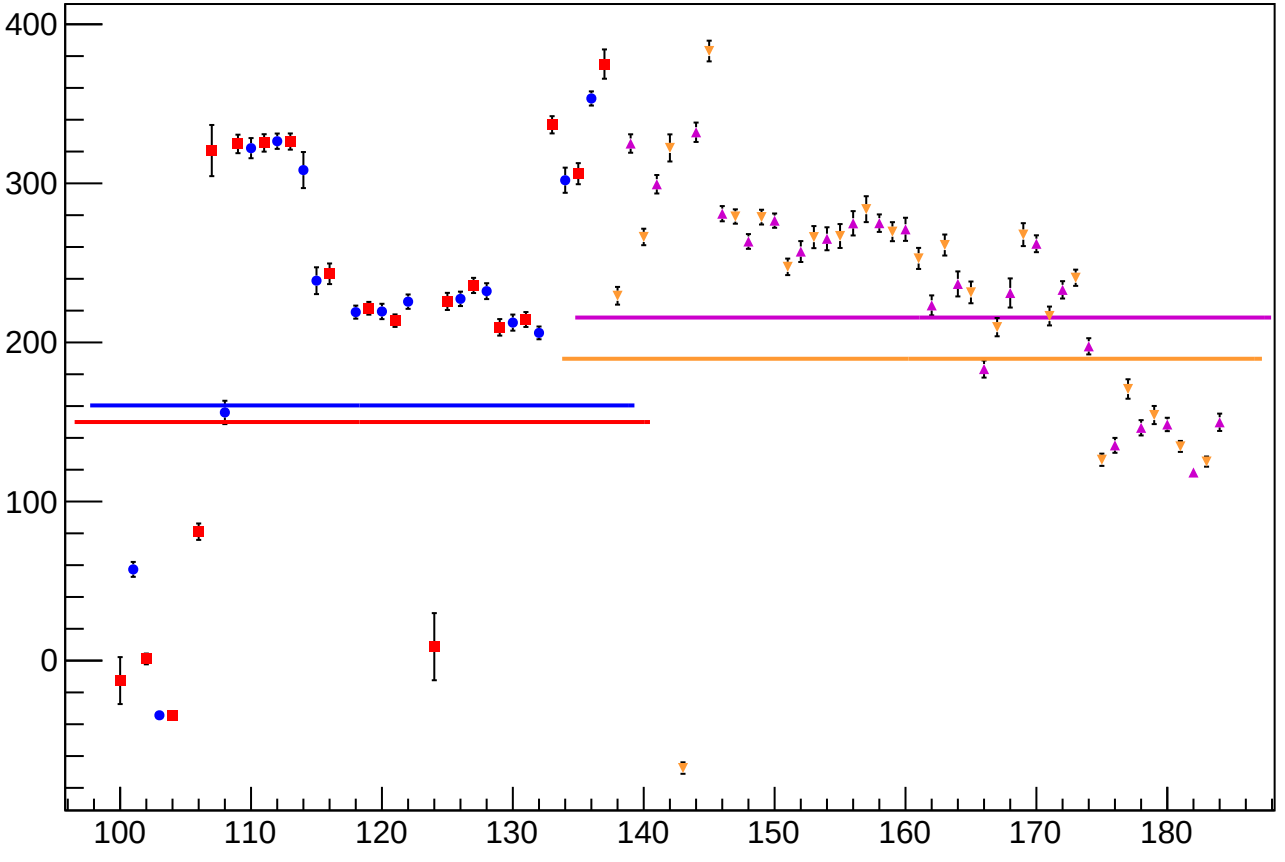
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 7.476+/-0.642 χ^2/NDF: 709.2/39

All: 7.462+/-0.459 χ^2/NDF: 1279.6/81

- sign 7.448+/-0.655 χ^2/NDF: 570.3/41

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

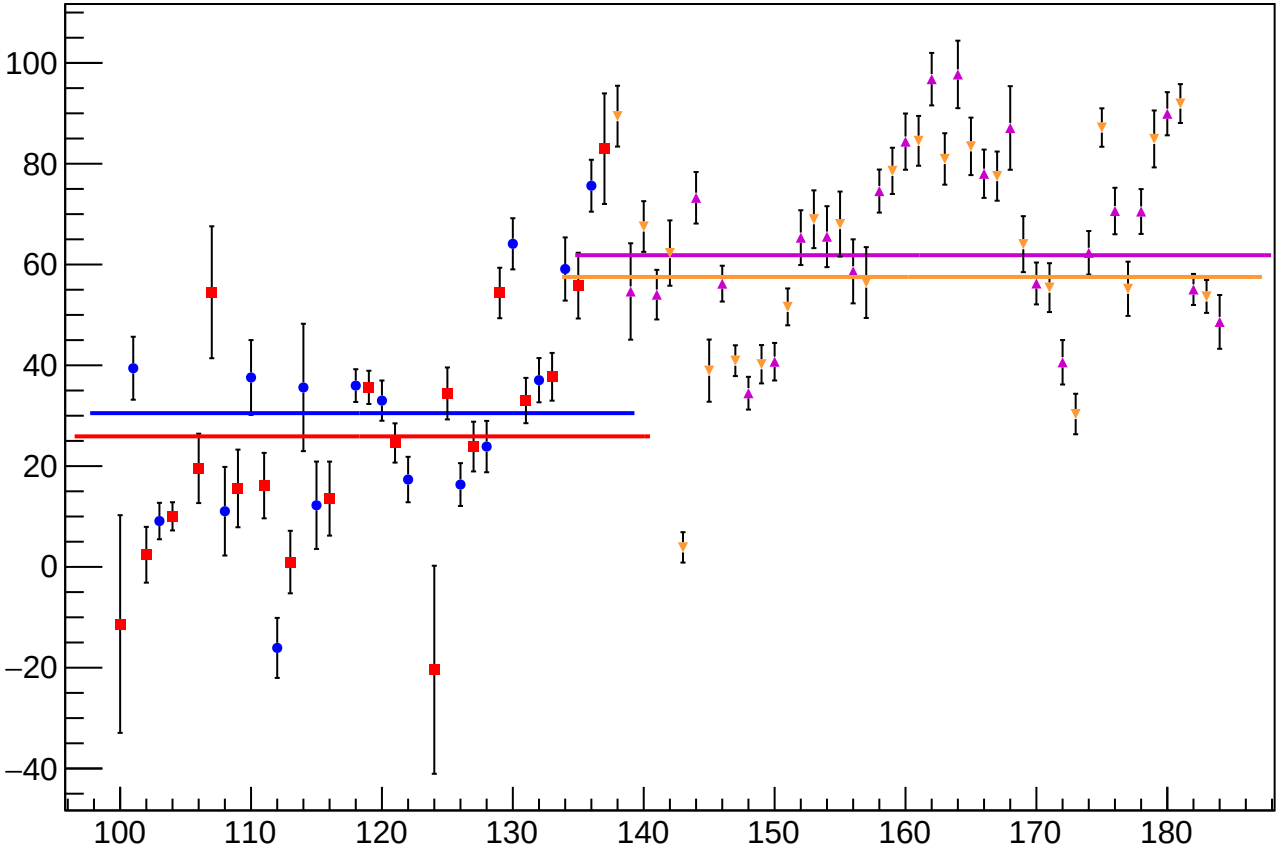
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 176.110+/-0.776 χ^2/NDF: 23679.4/39

All: 179.573+/-0.550 χ^2/NDF: 45644.7/81

- sign 183.064+/-0.780 χ^2/NDF: 21925.4/41

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

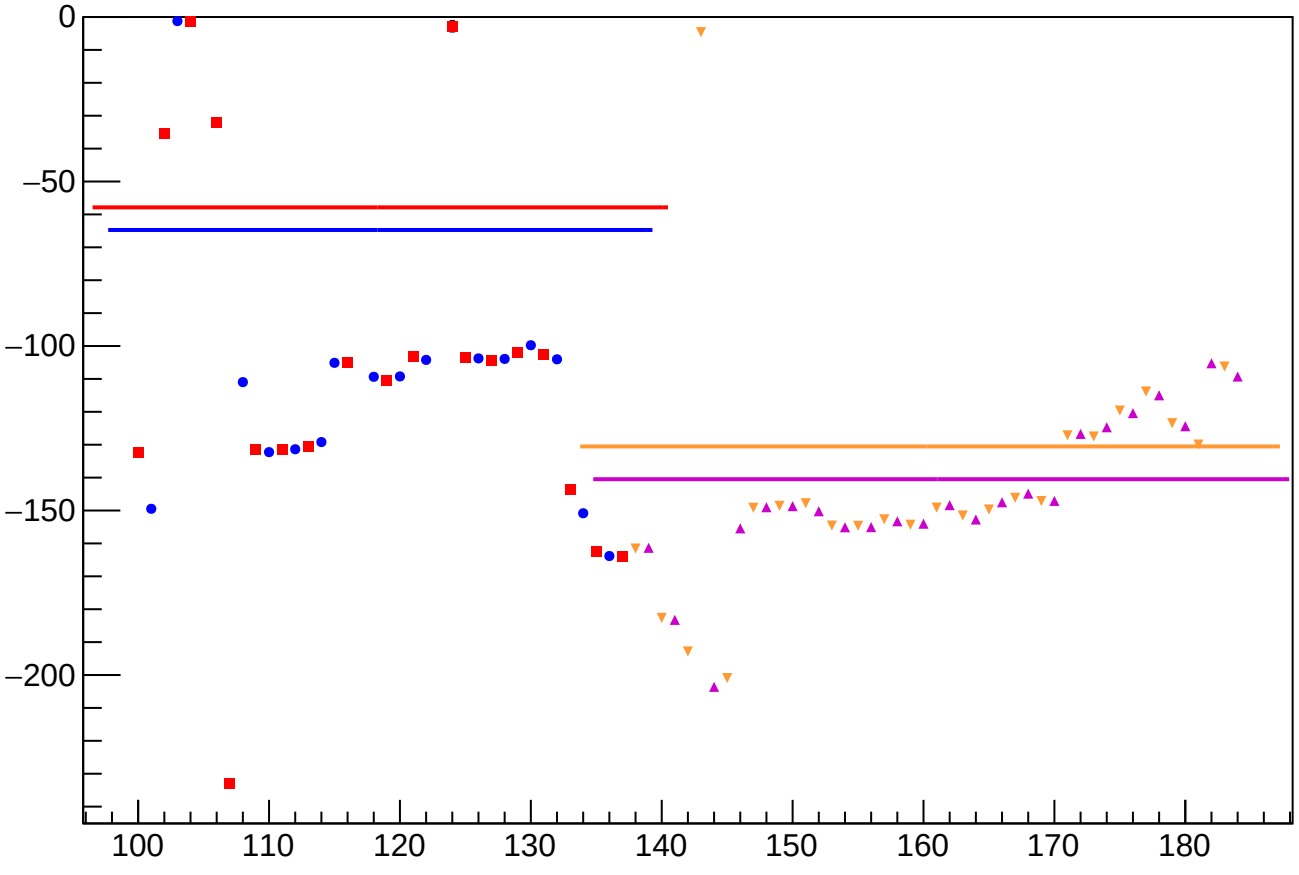
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 48.103+/-0.741 χ^2/NDF: 1318.4/39

All: 48.043+/-0.528 χ^2/NDF: 2366.3/81

- sign 47.981+/-0.753 χ^2/NDF: 1047.8/41

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

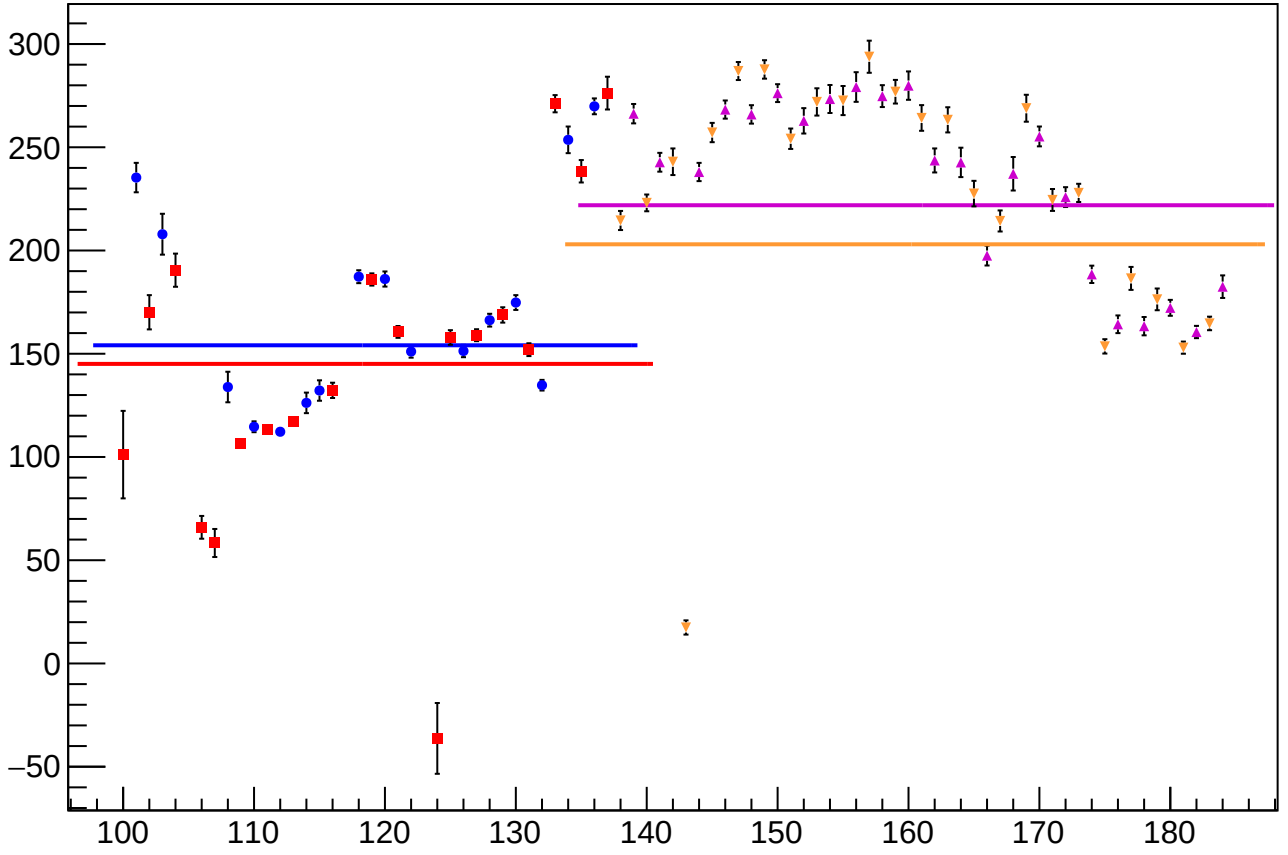
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.105+/-0.036 χ^2/NDF: 2793751.4/39

All: -111.628+/-0.025 χ^2/NDF: 5111117.0/81

- sign -113.169+/-0.036 χ^2/NDF: 2313667.9/41

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

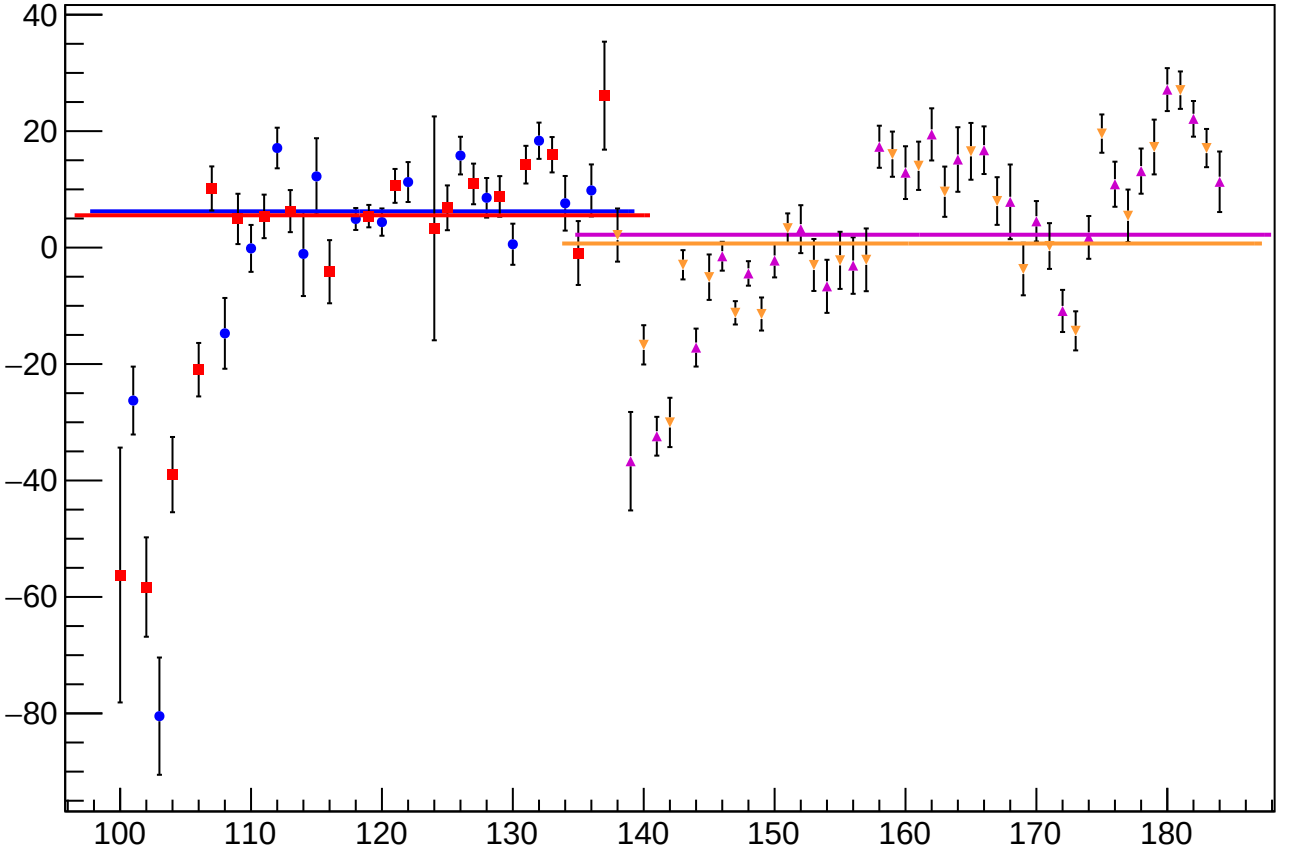
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

\+ sign 176.097+/-0.645 χ^2/NDF: 9184.5/39

All: 176.119+/-0.453 χ^2/NDF: 17627.1/81

\- sign 176.140+/-0.638 χ^2/NDF: 8442.6/41

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

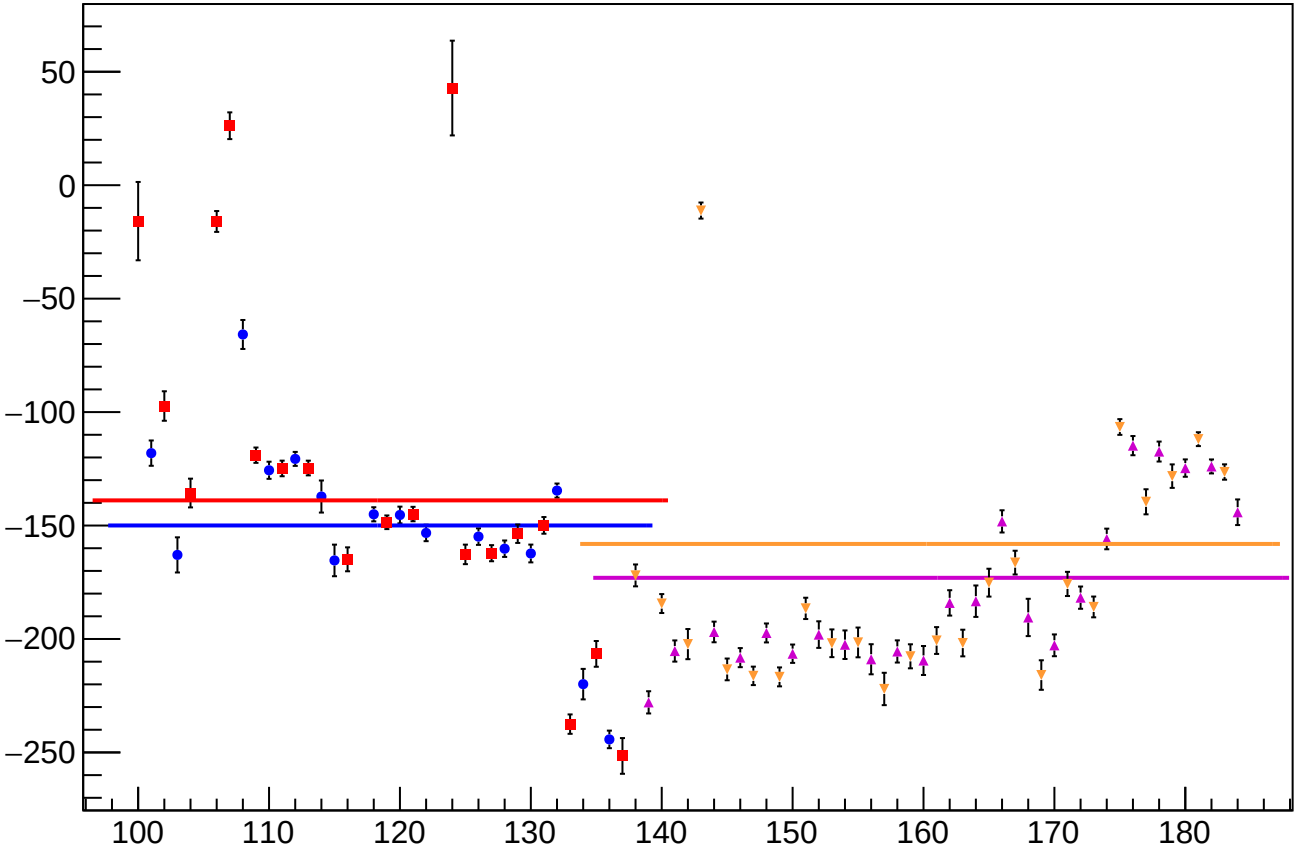
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 2.890+/-0.560 χ^2/NDF: 528.2/39

All: 3.243+/-0.402 χ^2/NDF: 1076.4/81

- sign 3.619+/-0.578 χ^2/NDF: 547.4/41

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

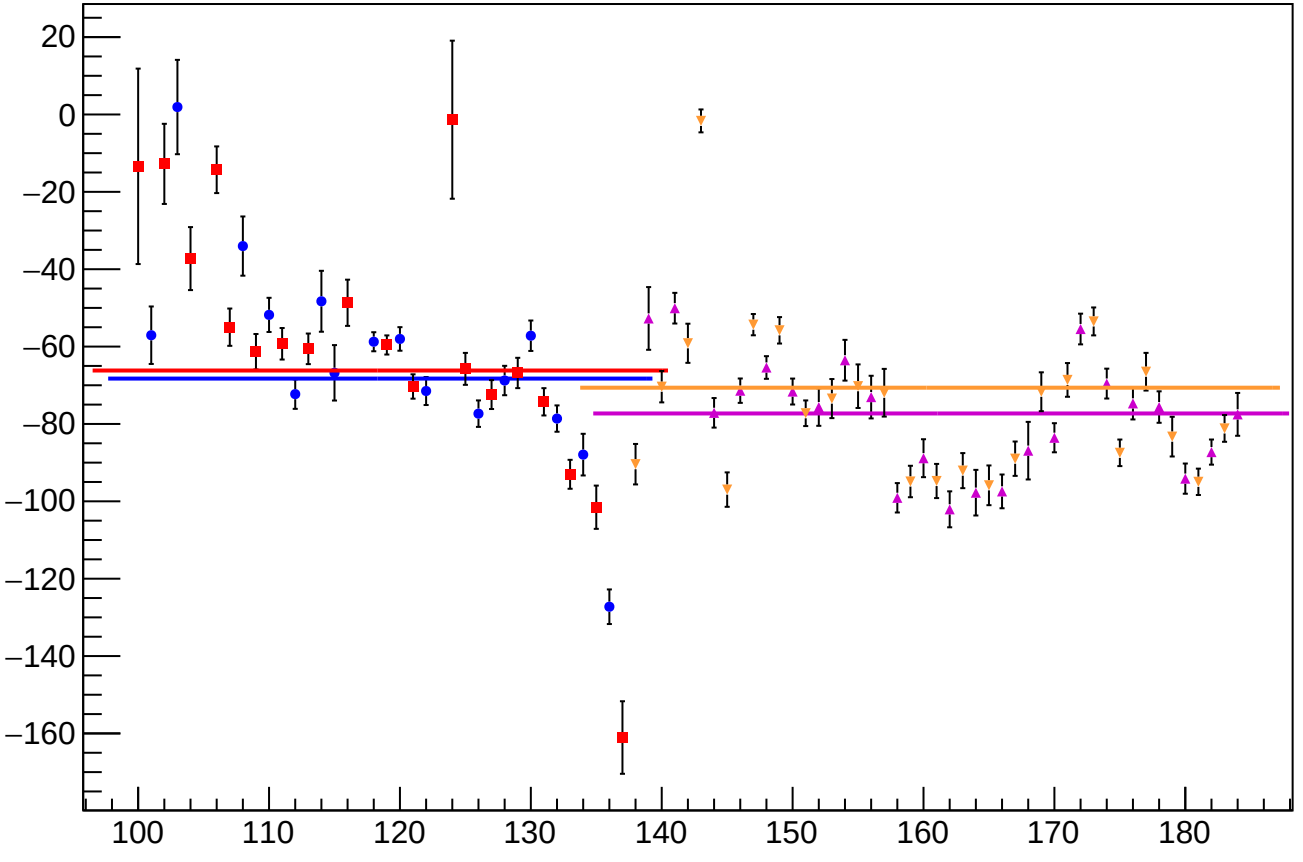
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

\+ sign -154.317+/-0.700 χ^2/NDF: 4604.0/39

All: -155.125+/-0.496 χ^2/NDF: 9346.4/81

\- sign -155.941+/-0.703 χ^2/NDF: 4739.7/41

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

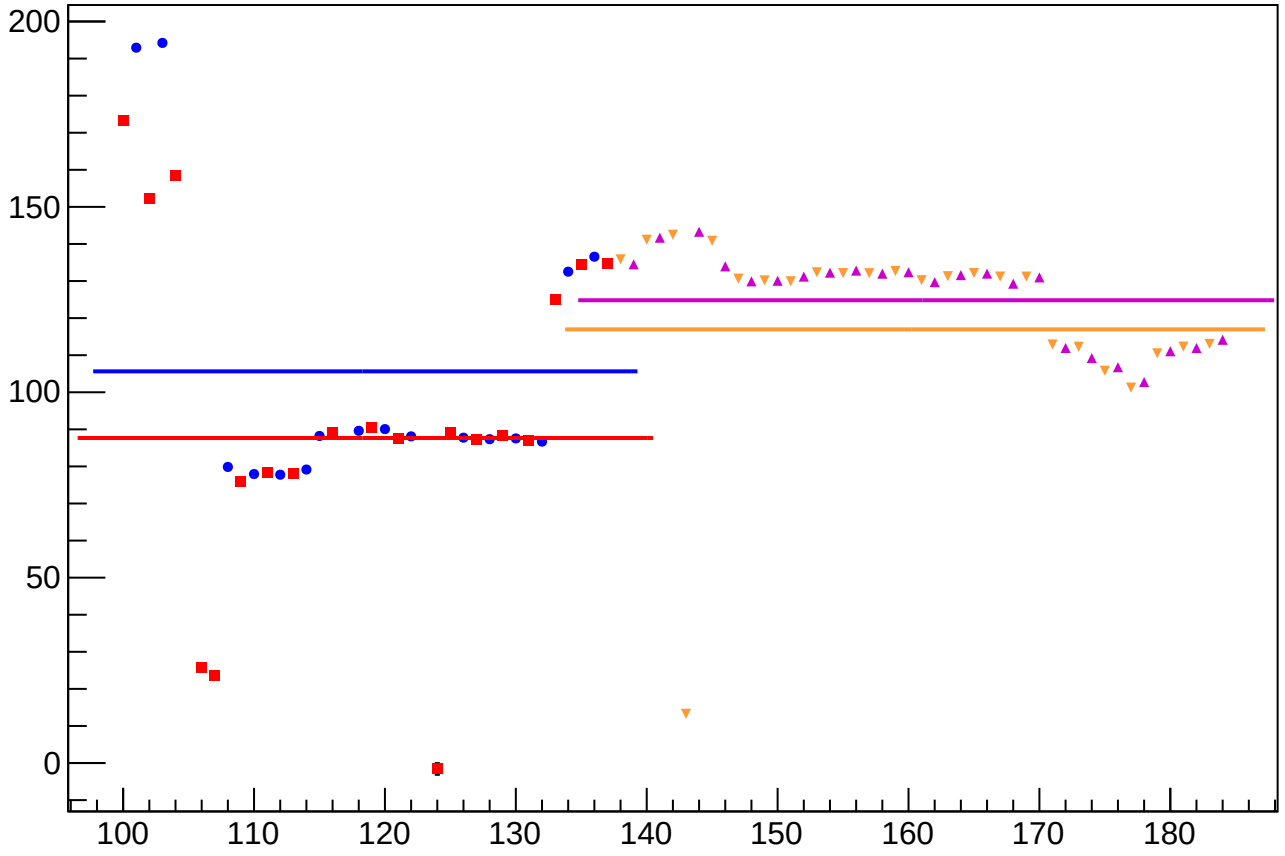
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -69.707+/-0.646 χ^2/NDF: 1216.4/39

All: -71.149+/-0.462 χ^2/NDF: 1907.8/81

- sign -72.660+/-0.661 χ^2/NDF: 681.2/41

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

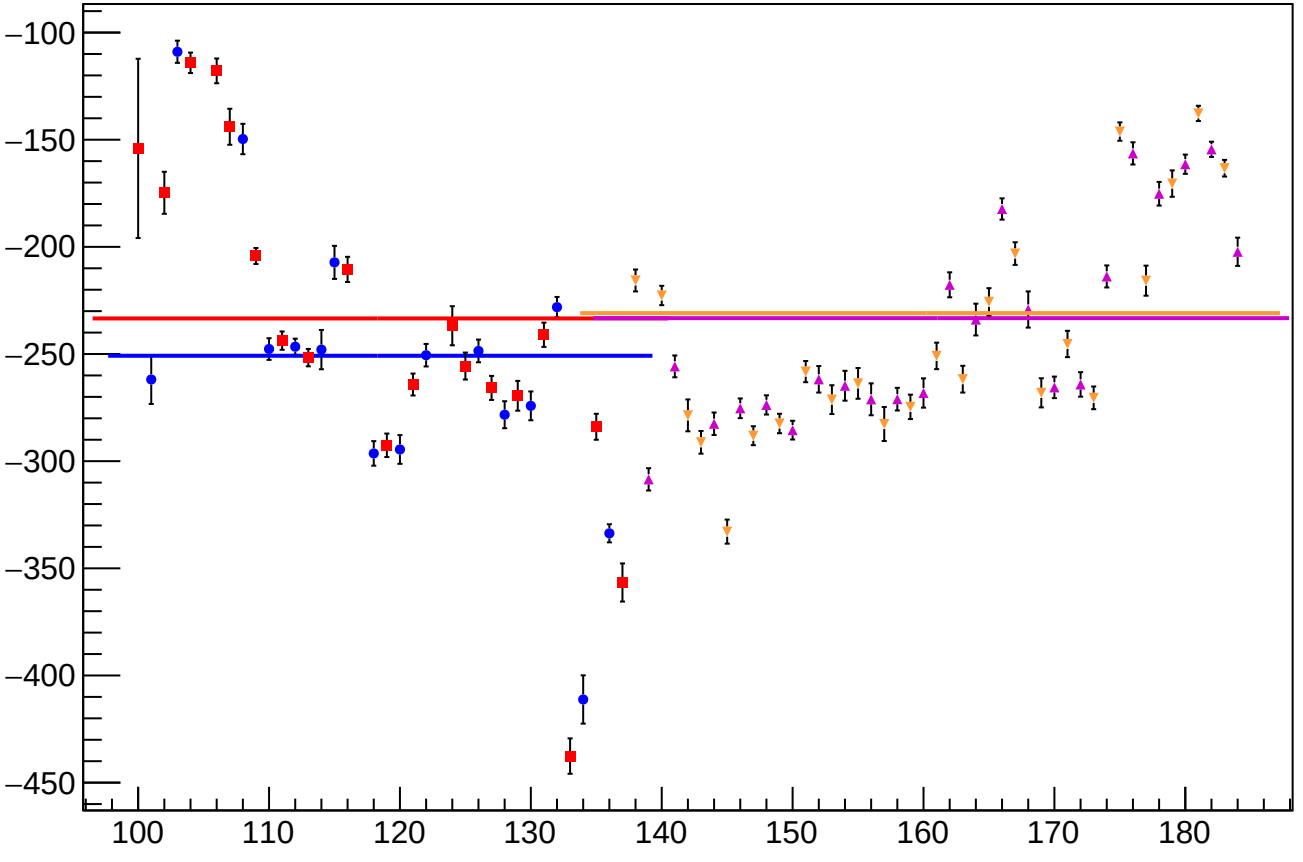
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 114.381+/-0.034 χ^2/NDF: 882233.2/39

All: 114.693+/-0.024 χ^2/NDF: 1580695.4/81

- sign 115.004+/-0.034 χ^2/NDF: 698292.2/41

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

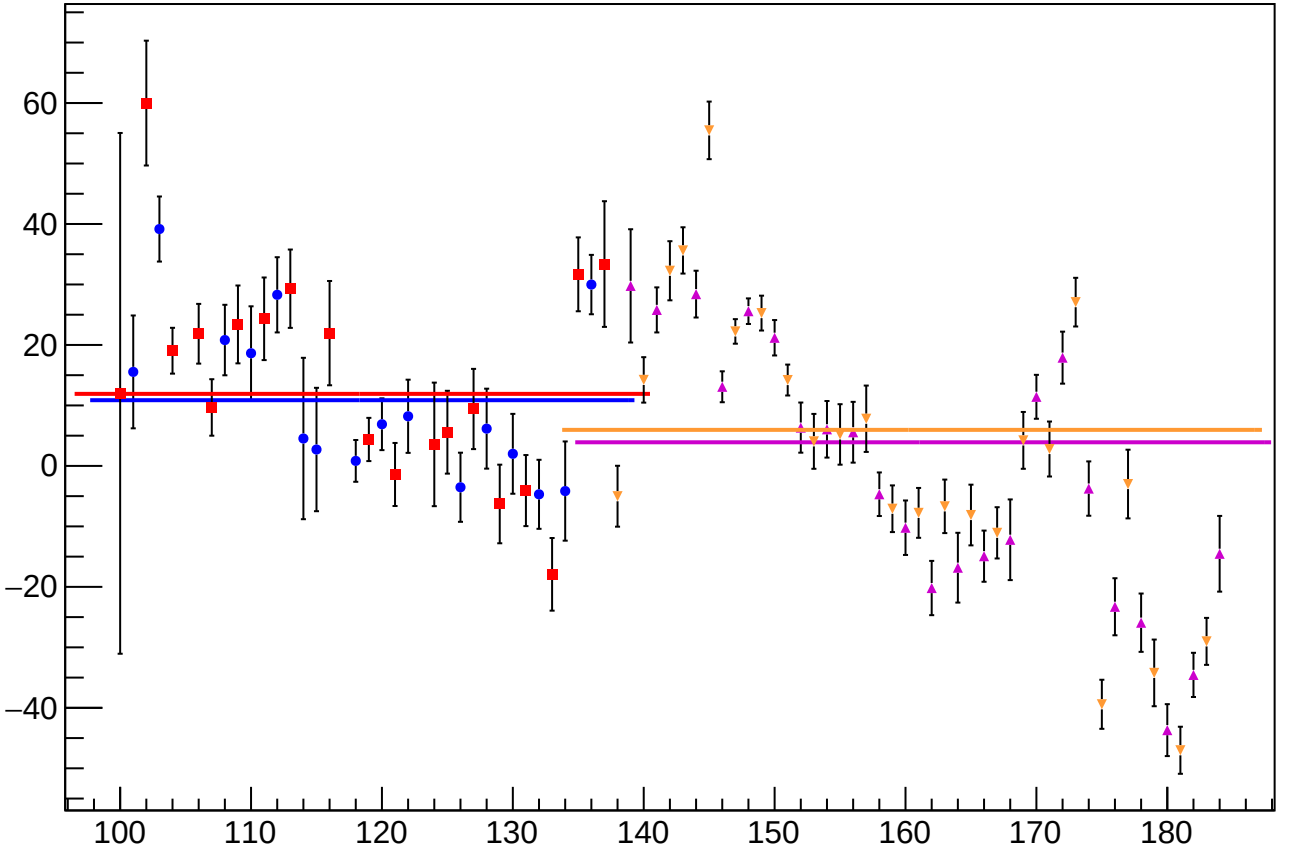
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -238.158+/-0.868 χ^2/NDF: 4486.3/39

All: -235.691+/-0.608 χ^2/NDF: 8947.6/81

- sign -233.314+/-0.852 χ^2/NDF: 4445.5/41

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

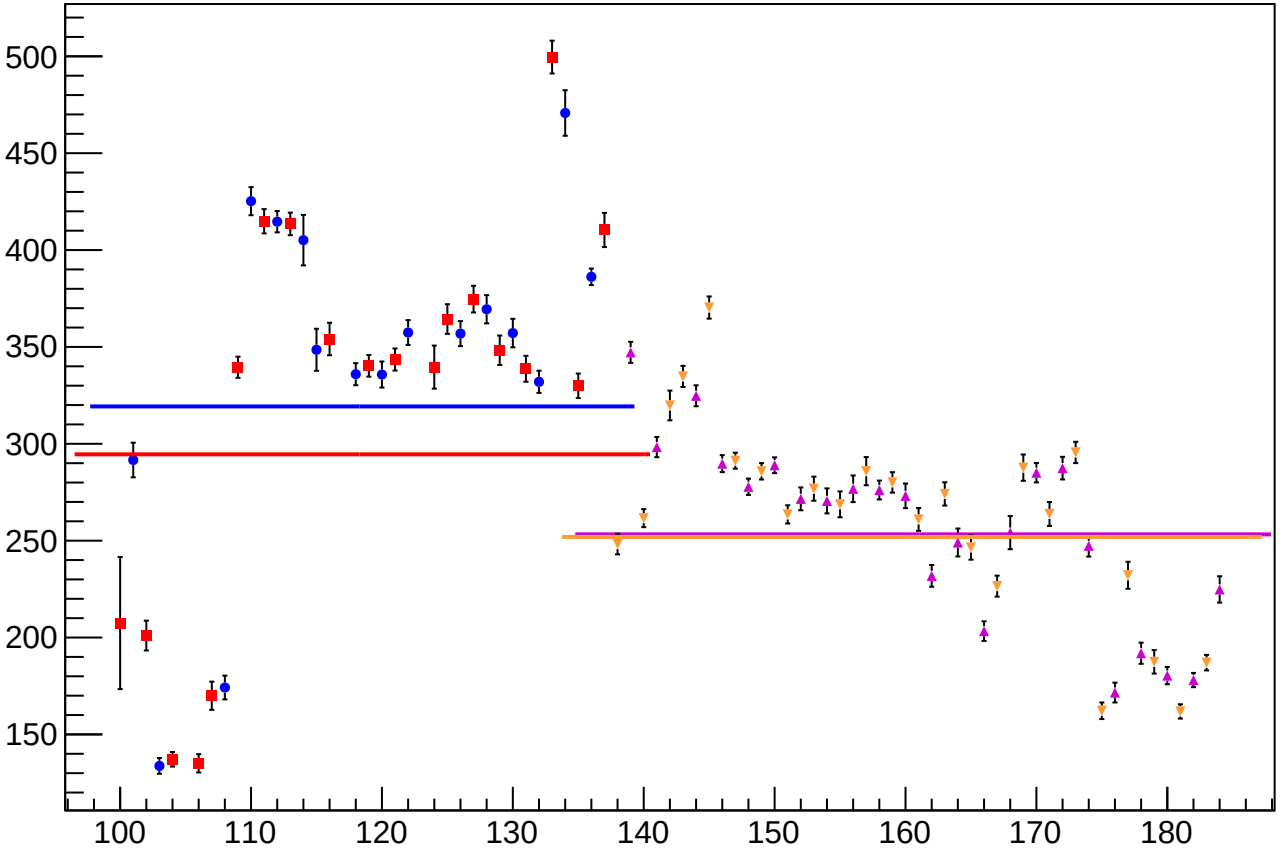
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 7.066+/-0.698 χ^2/NDF: 949.9/39

All: 6.544+/-0.495 χ^2/NDF: 1738.5/81

- sign 6.016+/-0.702 χ^2/NDF: 787.5/41

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

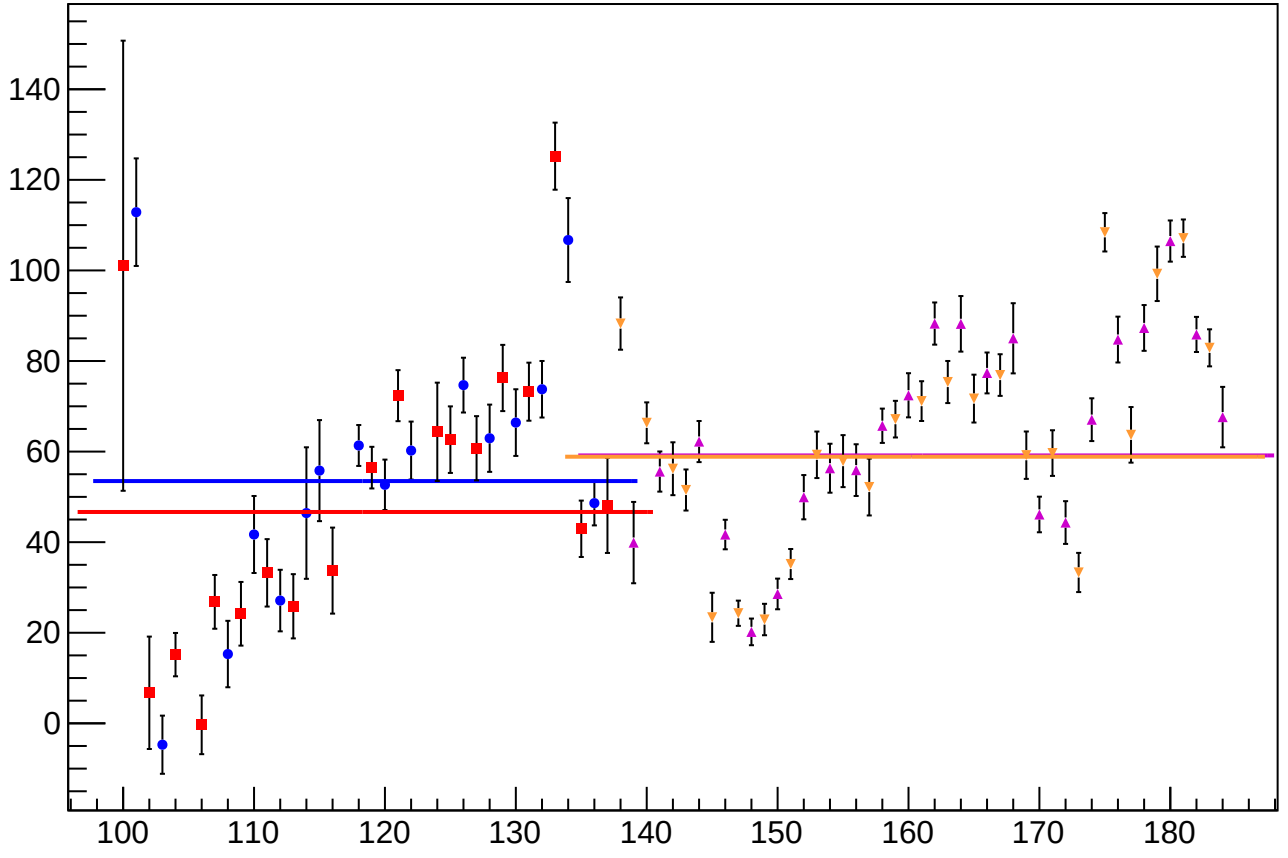
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

\+ sign 273.228+/-0.892 χ^2/NDF: 7551.5/39

All: 270.487+/-0.626 χ^2/NDF: 15636.6/81

\- sign 267.819+/-0.880 χ^2/NDF: 8066.5/41

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

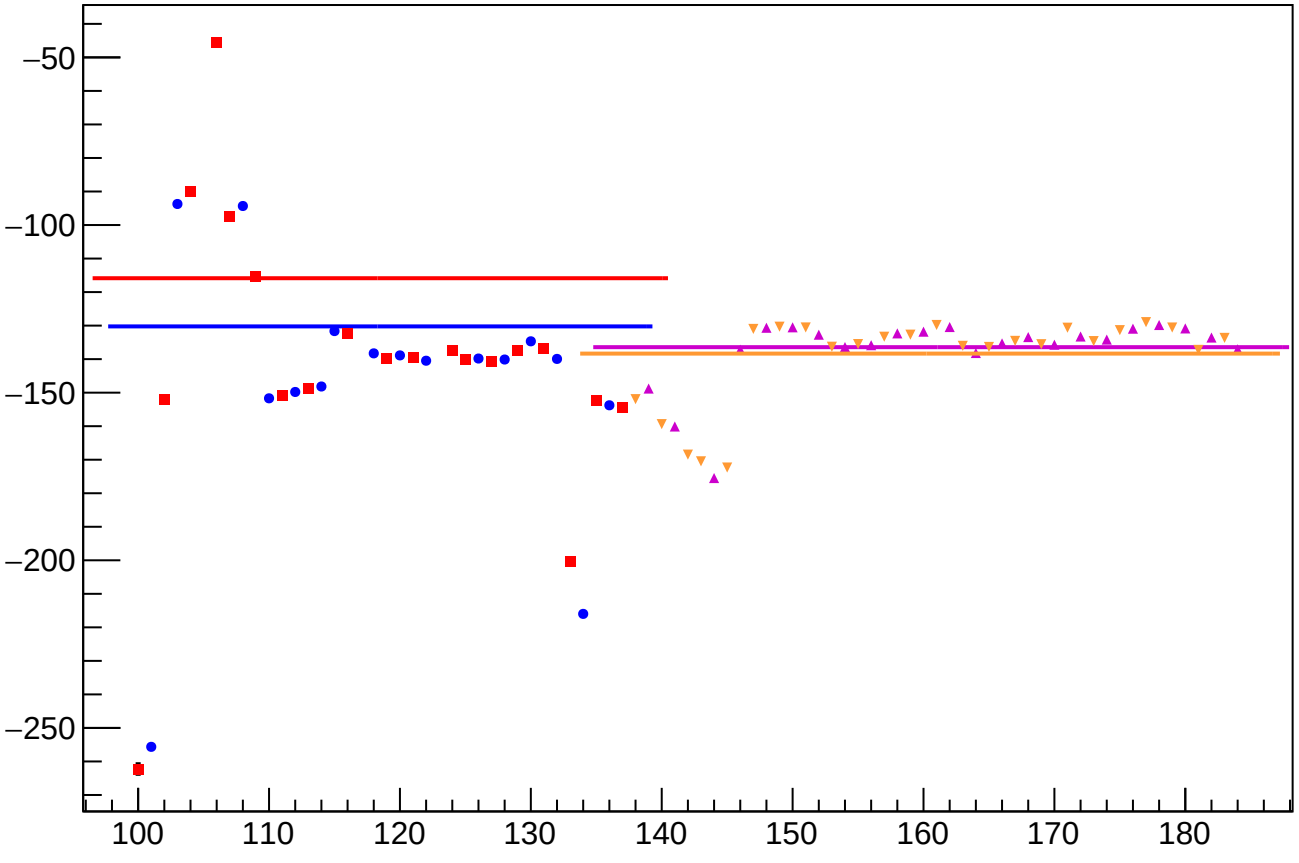
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 57.656+/-0.807 χ^2/NDF: 1047.2/39

All: 56.798+/-0.571 χ^2/NDF: 2053.1/81

- sign 55.936+/-0.809 χ^2/NDF: 1003.6/41

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

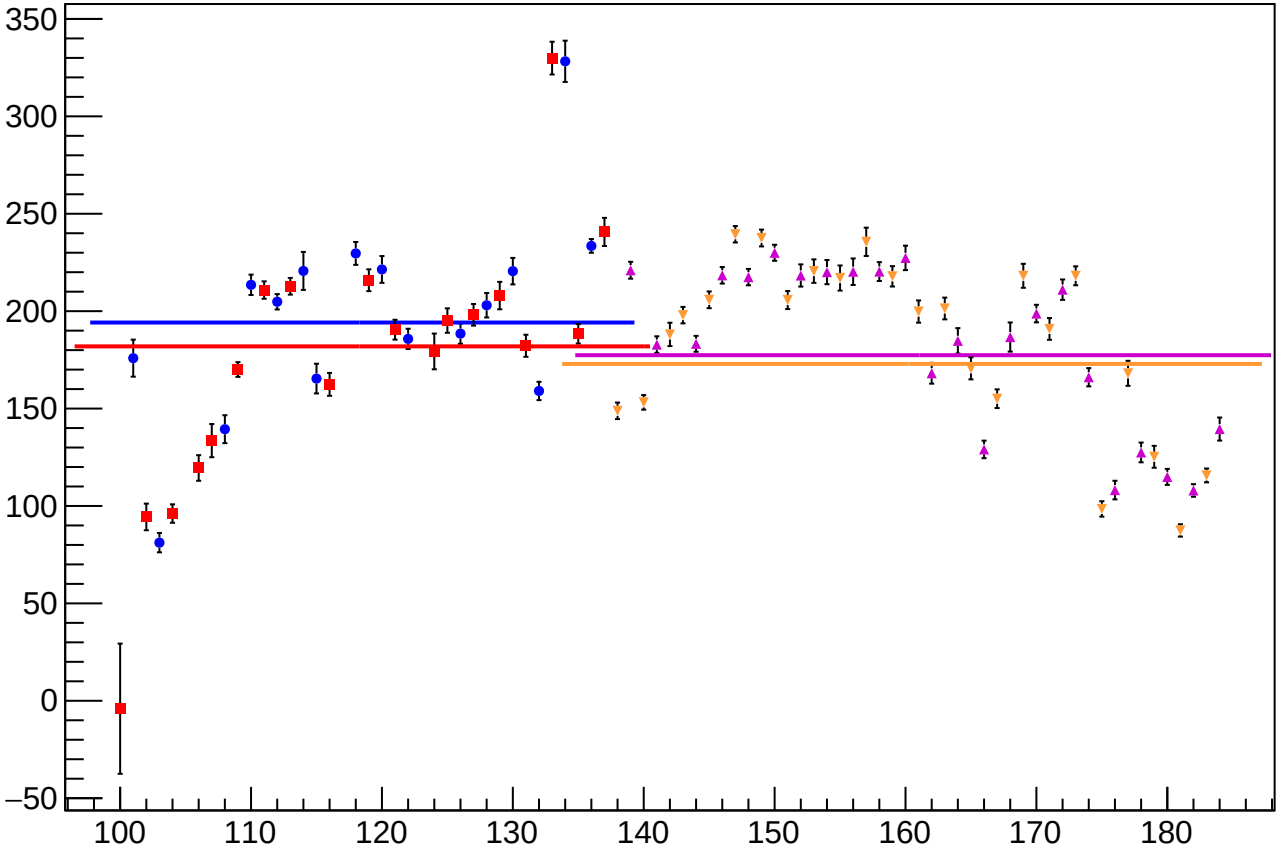
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -136.875+/-0.039 χ^2/NDF: 262040.5/39

All: -134.567+/-0.027 χ^2/NDF: 570758.4/81

- sign -132.317+/-0.038 χ^2/NDF: 301736.3/41

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

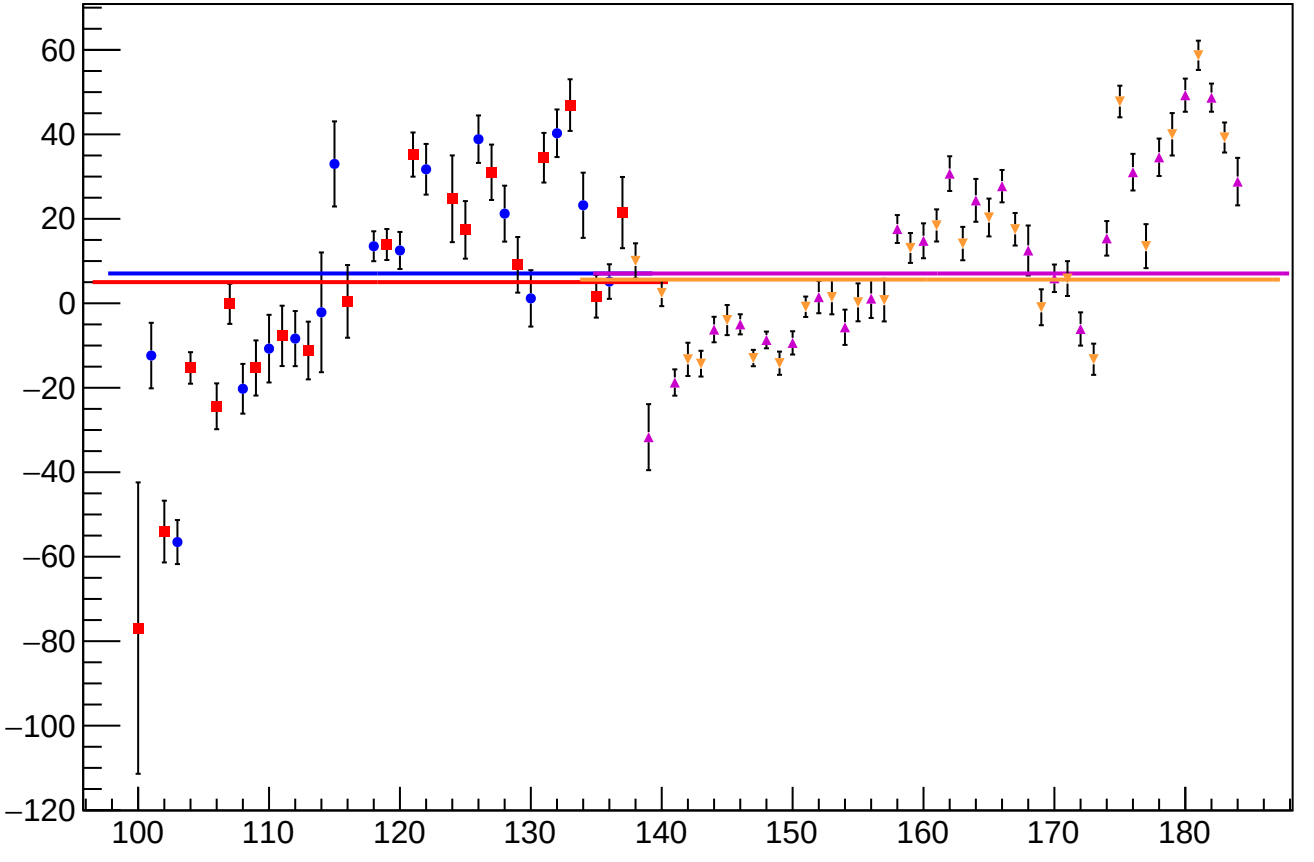
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 179.755+/-0.798 χ^2/NDF: 3753.1/39

All: 179.397+/-0.563 χ^2/NDF: 6928.8/81

- sign 179.040+/-0.795 χ^2/NDF: 3175.3/41

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

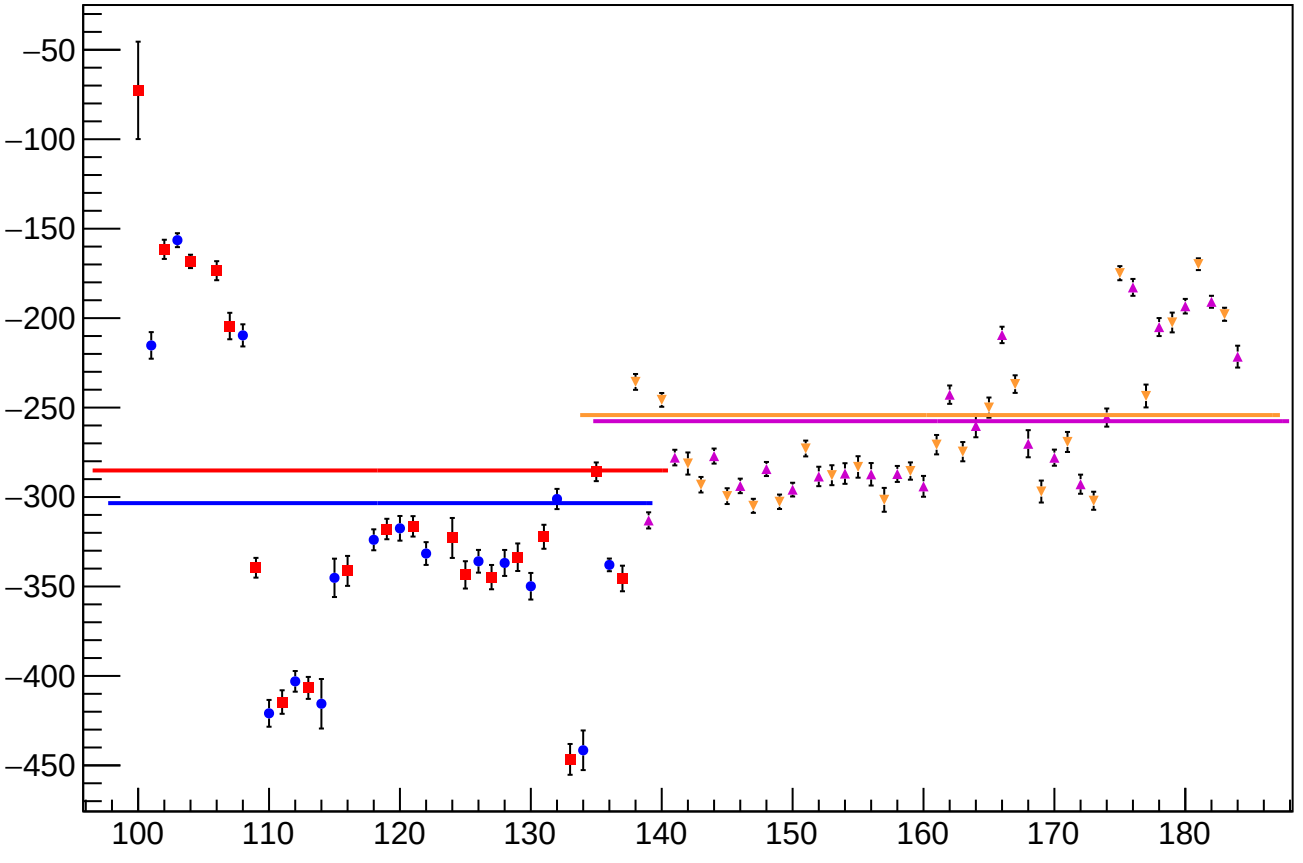
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 5.900+/-0.640 χ^2/NDF: 1092.4/39

All: 6.239+/-0.456 χ^2/NDF: 2092.9/81

- sign 6.589+/-0.650 χ^2/NDF: 999.9/41

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

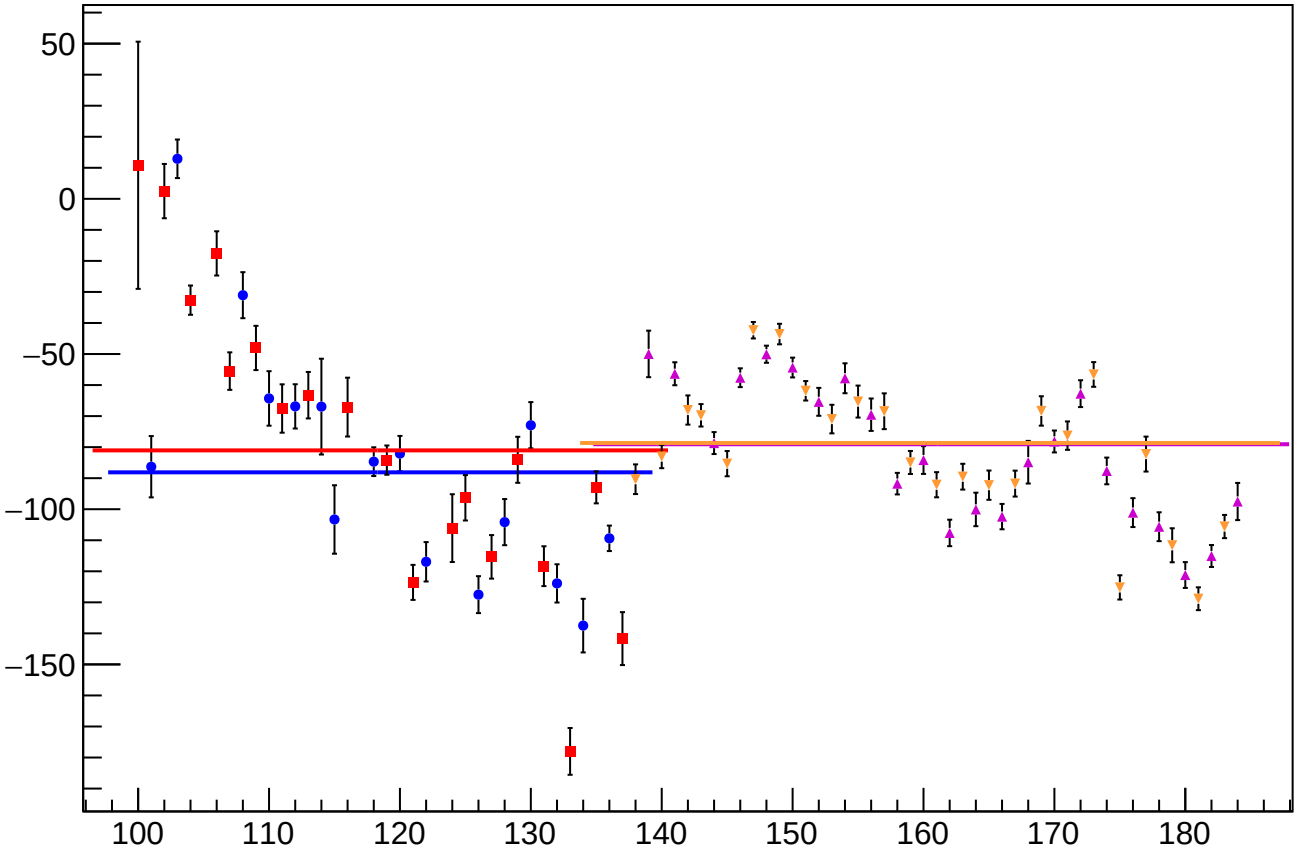
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -268.152+/-0.815 χ^2/NDF: 5802.9/39

All: -267.220+/-0.576 χ^2/NDF: 11615.2/81

- sign -266.289+/-0.815 χ^2/NDF: 5809.7/41

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

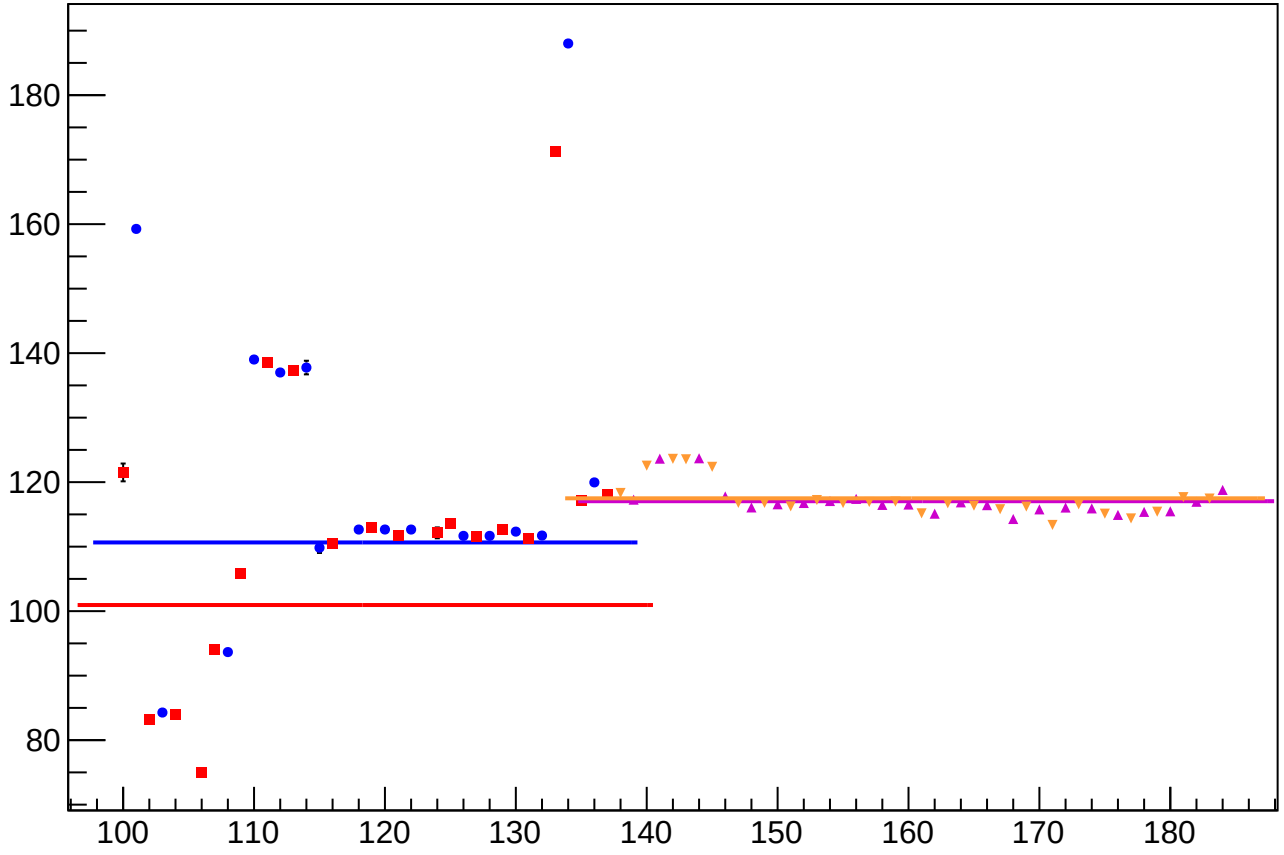
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -80.536+/-0.738 χ^2/NDF: 1391.5/39

All: -80.032+/-0.525 χ^2/NDF: 2773.9/81

- sign -79.514+/-0.747 χ^2/NDF: 1381.4/41

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

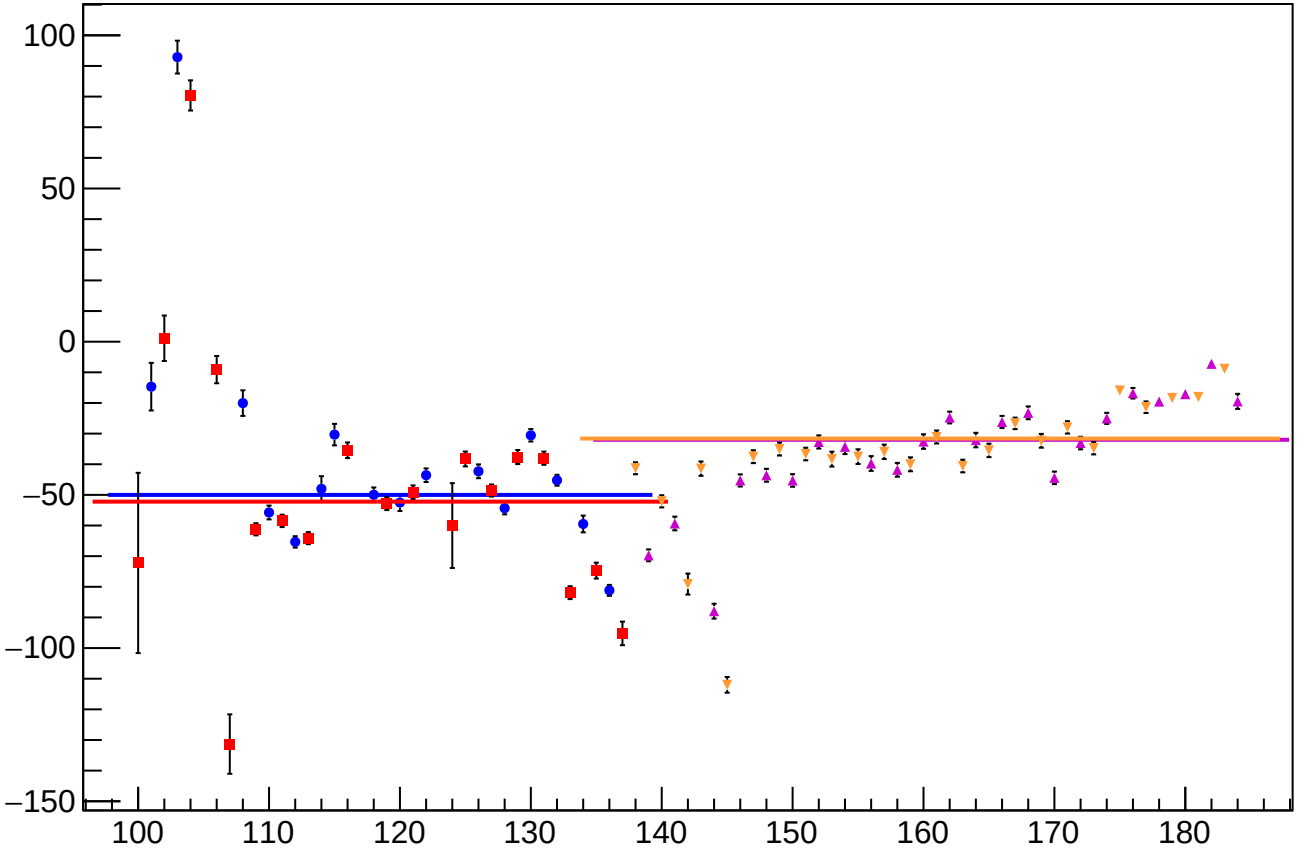
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.354+/-0.035 χ^2/NDF: 93549.5/39

All: 115.203+/-0.025 χ^2/NDF: 193242.3/81

- sign 114.064+/-0.035 χ^2/NDF: 97545.2/41

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

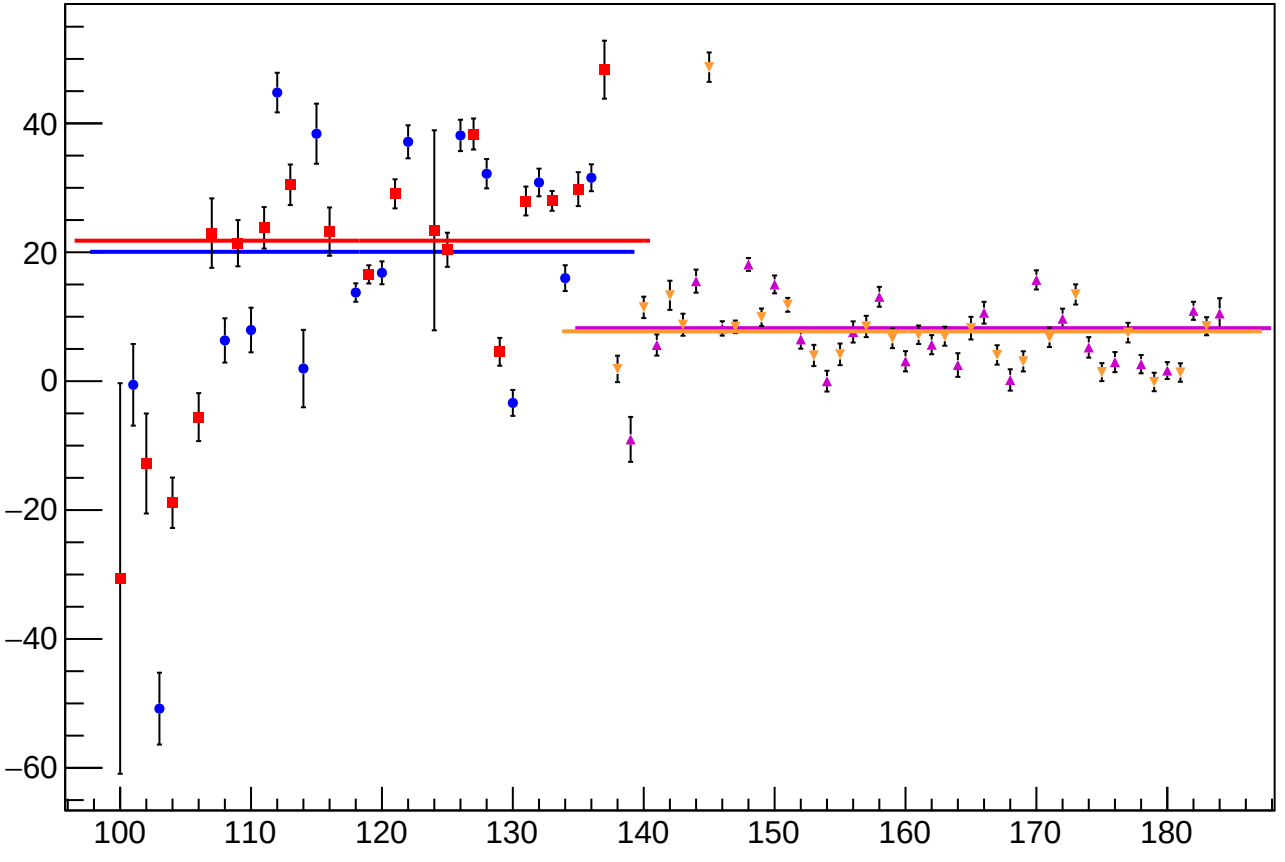
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -37.186+/-0.336 χ^2/NDF: 3943.8/39

All: -37.763+/-0.239 χ^2/NDF: 8197.8/81

\- sign -38.350+/-0.339 χ^2/NDF: 4248.1/41

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

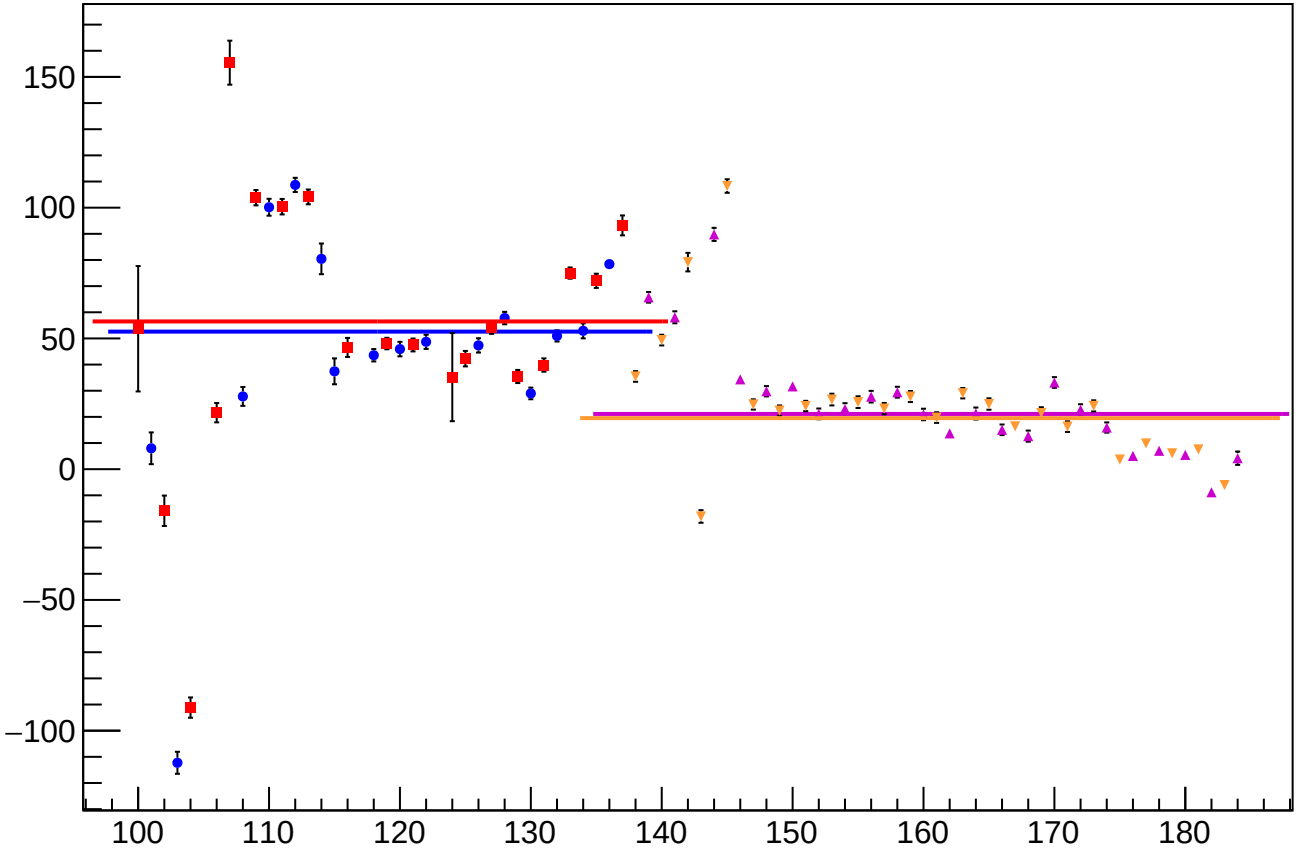
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.201+/-0.274 χ^2/NDF: 1430.4/39

All: 10.590+/-0.196 χ^2/NDF: 2548.6/81

\- sign 11.001+/-0.281 χ^2/NDF: 1114.1/41

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

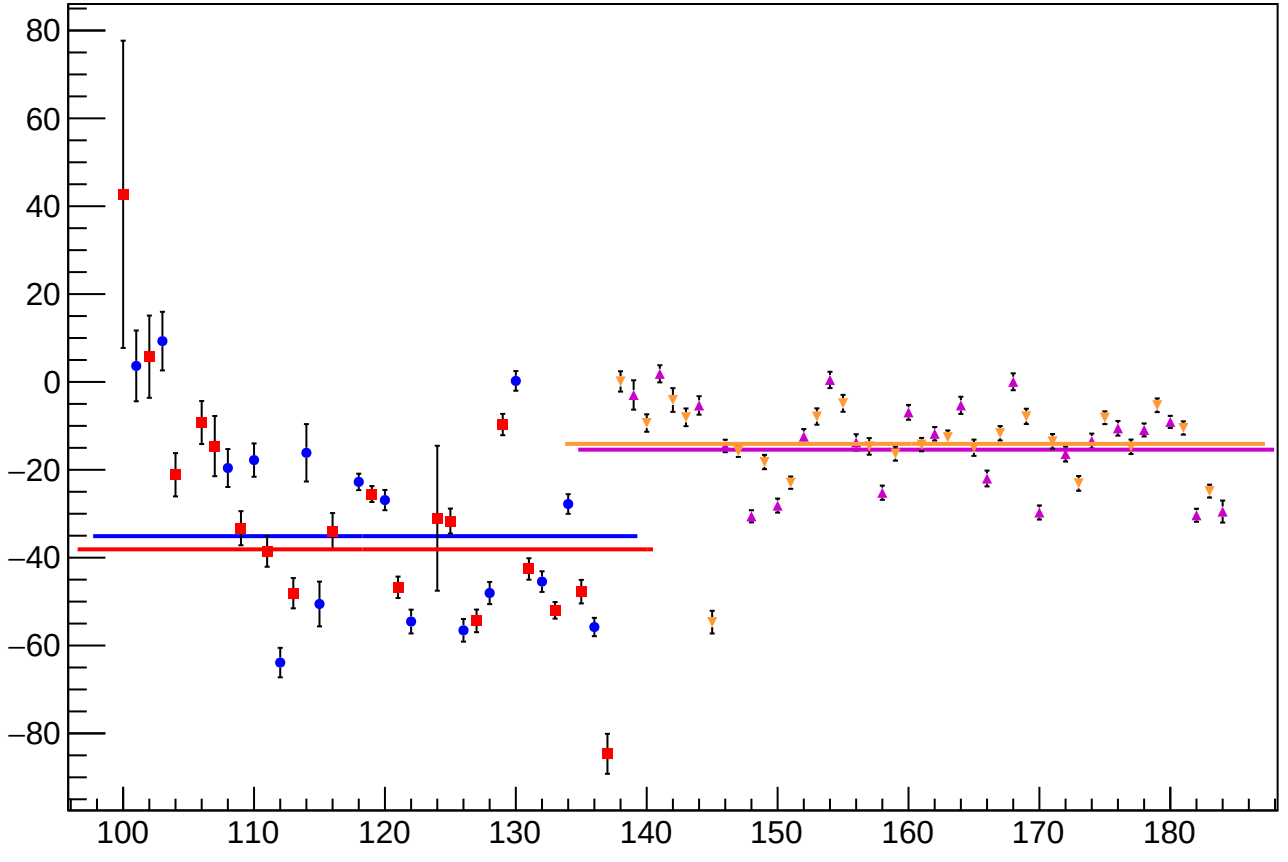
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 27.685+/-0.346 χ^2/NDF: 7028.2/39

All: 28.769+/-0.246 χ^2/NDF: 14410.2/81

\- sign 29.886+/-0.351 χ^2/NDF: 7362.1/41

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

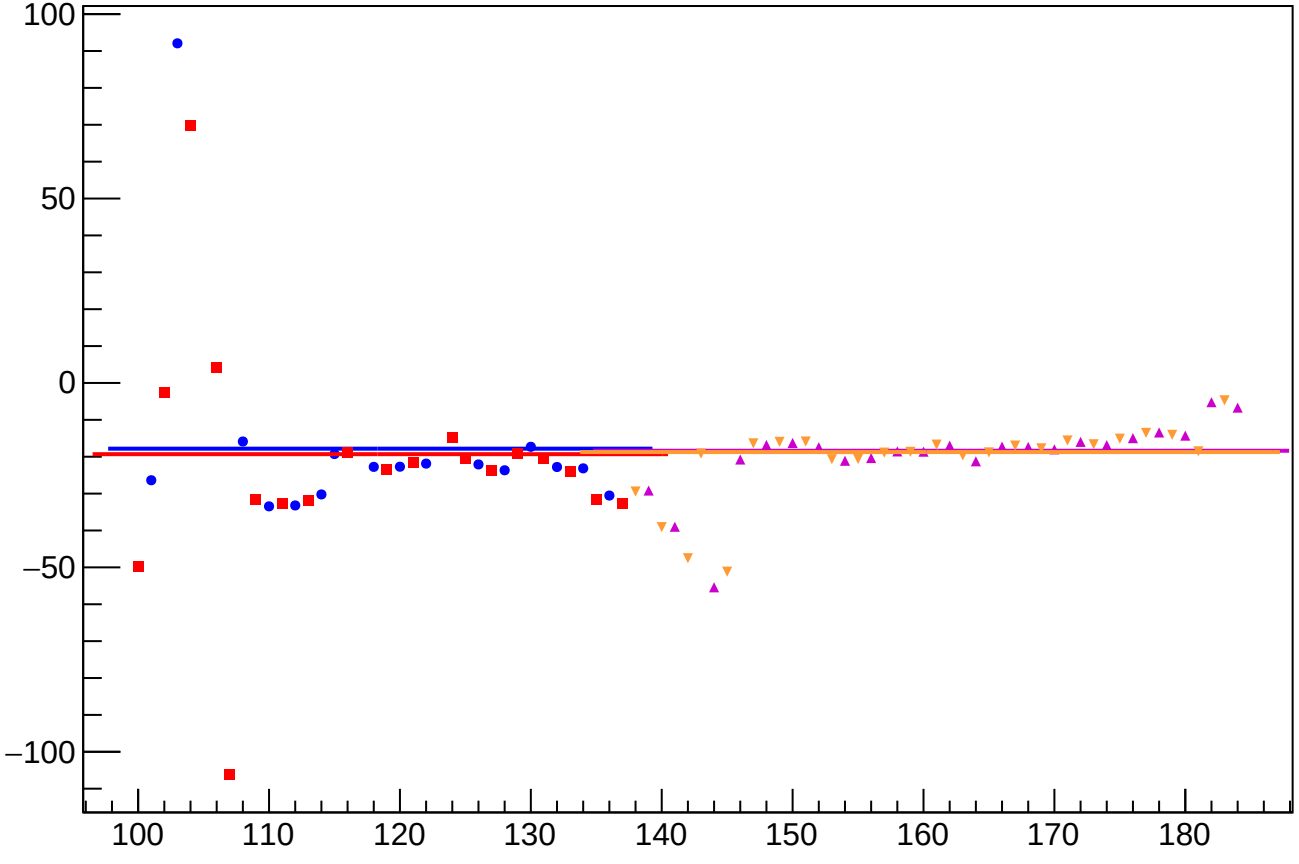
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.233+/-0.311 χ^2/NDF: 2045.2/39

All: -19.057+/-0.222 χ^2/NDF: 4182.8/81

- sign -19.922+/-0.318 χ^2/NDF: 2123.2/41

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

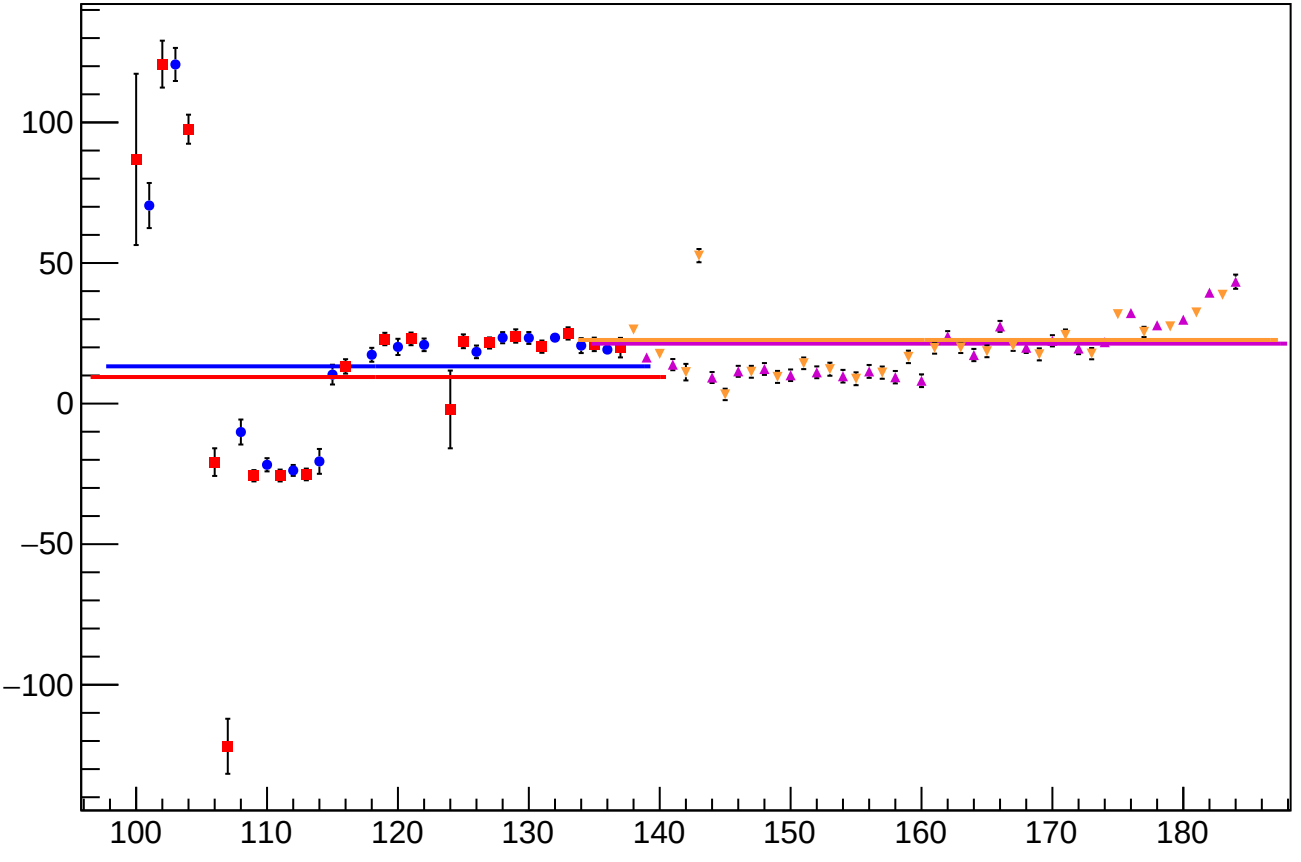
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.633+/-0.015 χ^2/NDF: 704311.7/39

All: -18.555+/-0.010 χ^2/NDF: 1299402.4/81

- sign -18.476+/-0.015 χ^2/NDF: 595034.4/41

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

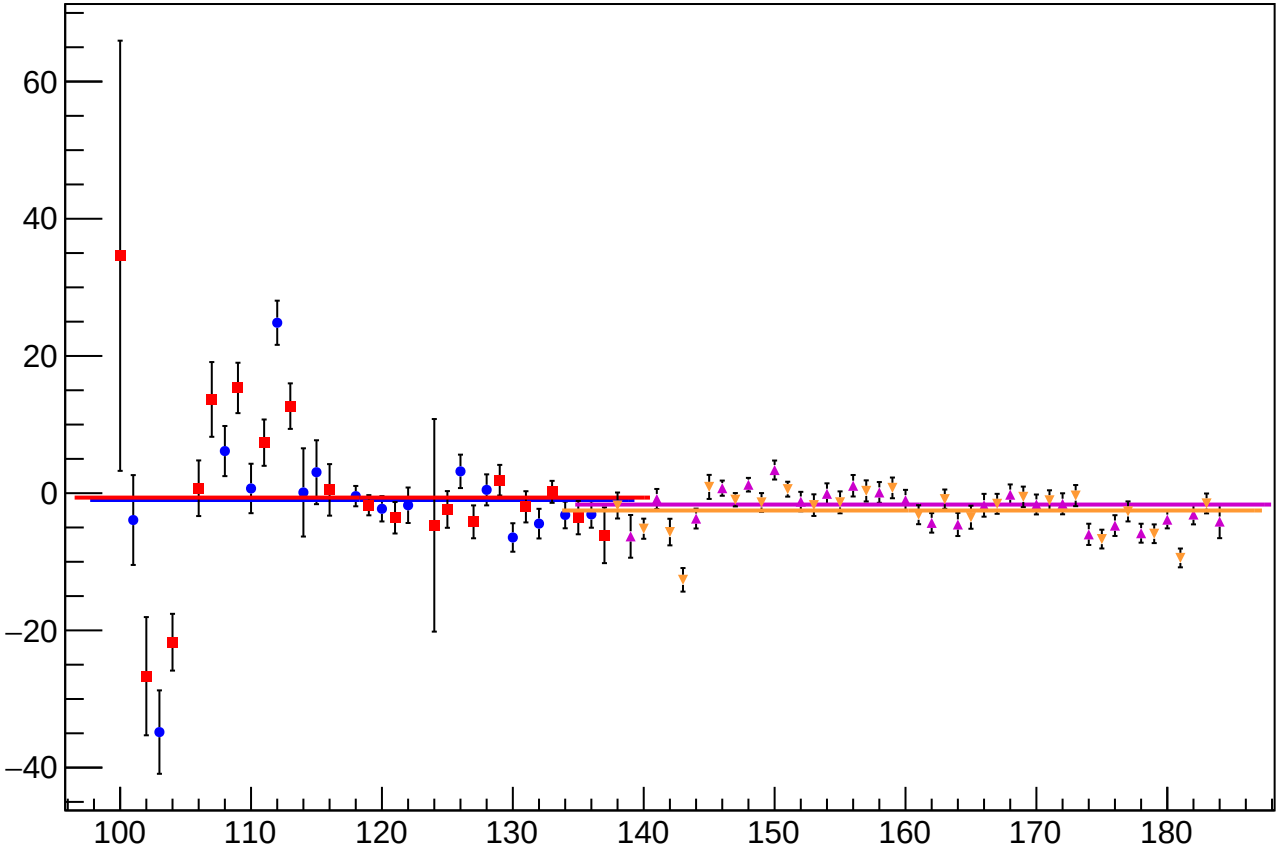
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 19.983+/-0.326 χ^2/NDF: 2063.3/39

All: 18.948+/-0.232 χ^2/NDF: 4815.0/81

- sign 17.885+/-0.331 χ^2/NDF: 2731.3/41

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

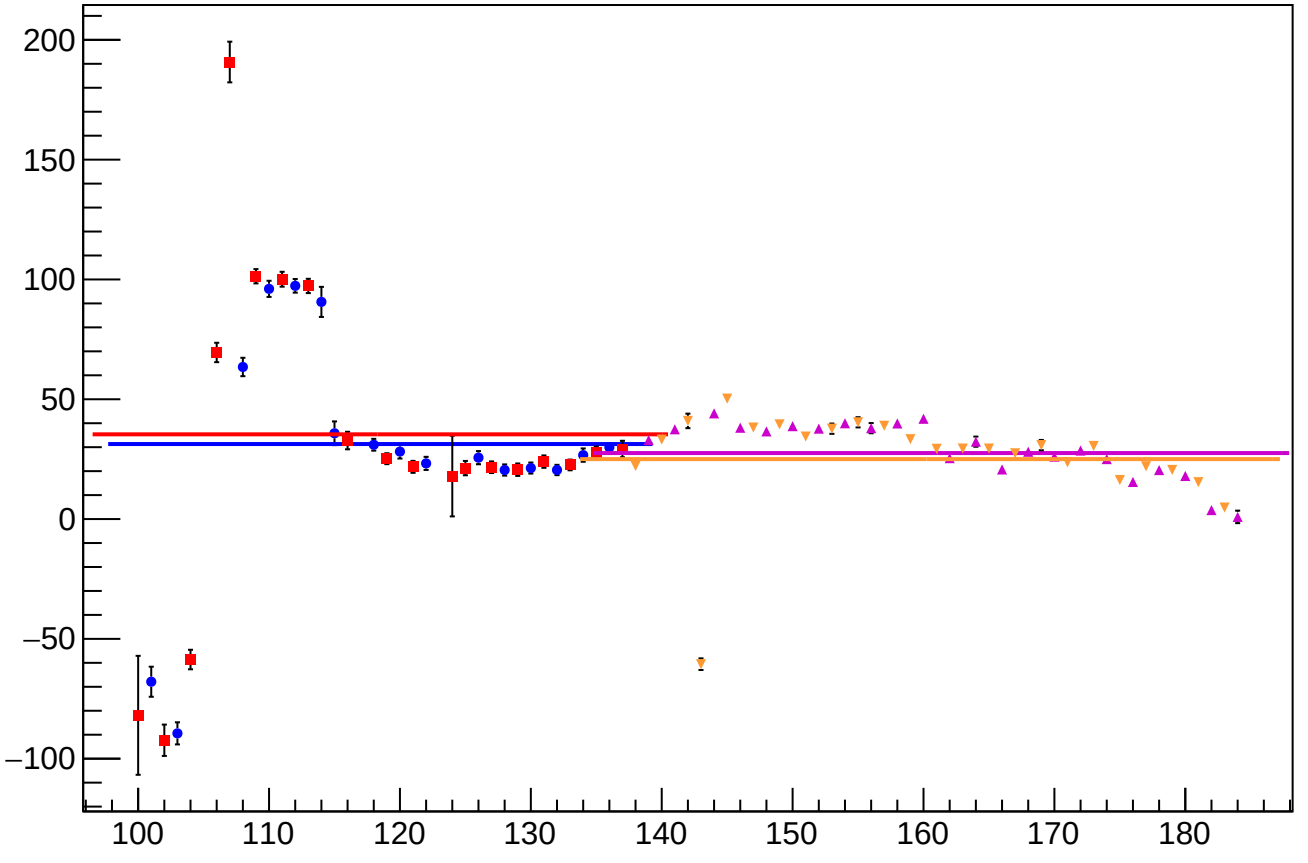
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.241+/-0.266 χ^2/NDF: 234.9/39

All: -1.867+/-0.191 χ^2/NDF: 405.5/81

- sign -1.470+/-0.274 χ^2/NDF: 166.5/41

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

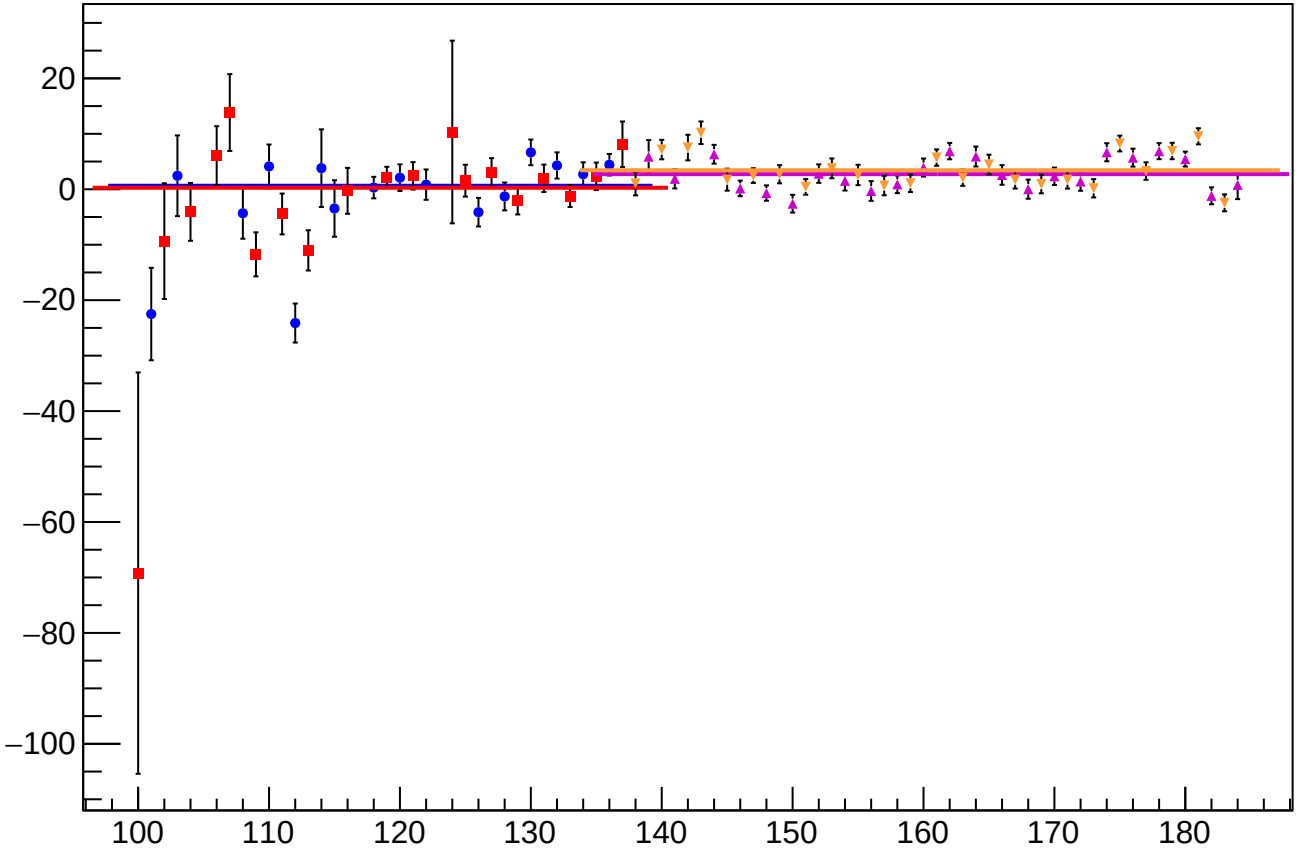
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 26.463+/-0.336 χ^2/NDF: 4181.7/39

All: 27.868+/-0.239 χ^2/NDF: 8088.7/81

- sign 29.327+/-0.342 χ^2/NDF: 3871.3/41

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

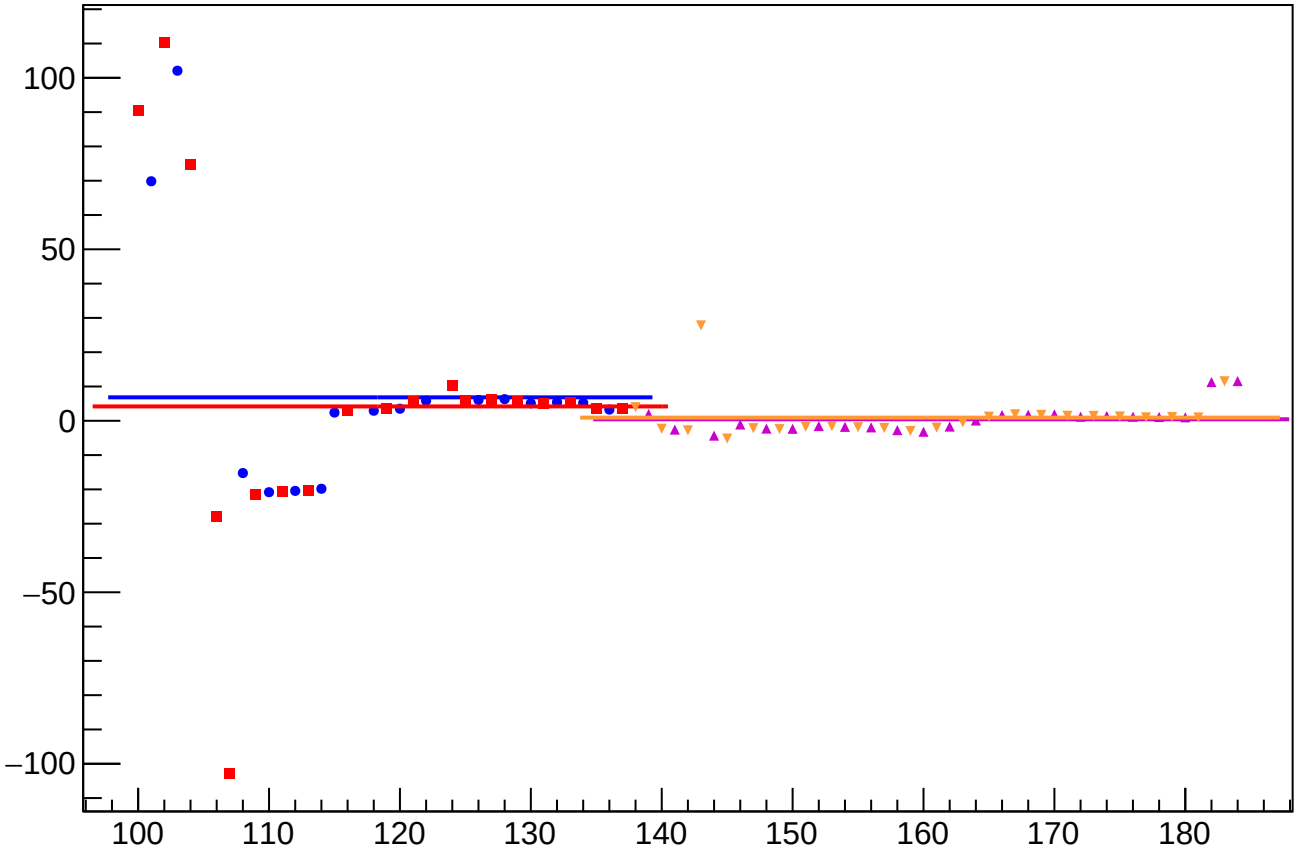
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

\+ sign 2.916+/-0.301 χ^2/NDF: 183.6/39

All: 2.608+/-0.216 χ^2/NDF: 310.1/81

\- sign 2.283+/-0.309 χ^2/NDF: 124.3/41

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

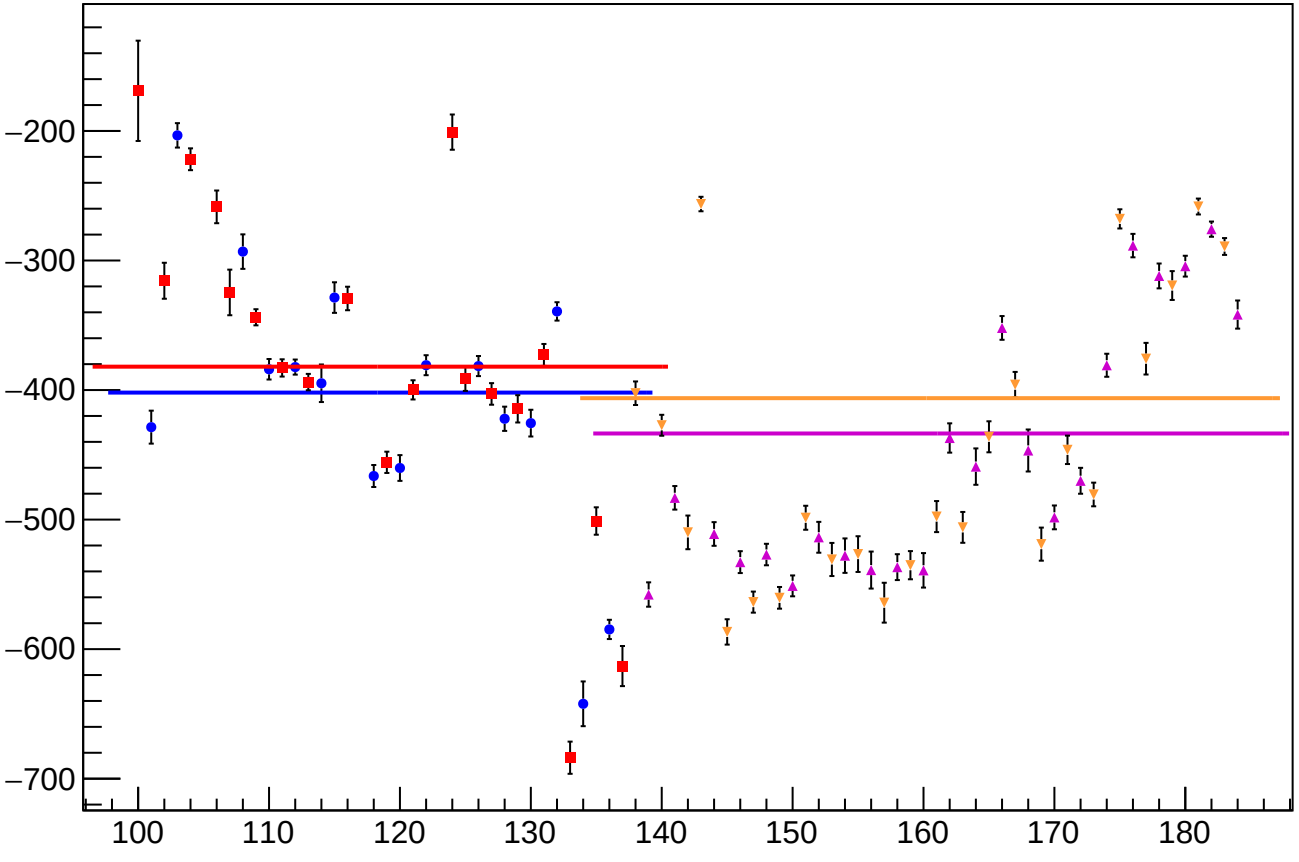
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 1.566+/-0.014 χ^2/NDF: 459066.2/39

All: 1.190+/-0.010 χ^2/NDF: 954422.5/81

- sign 0.802+/-0.014 χ^2/NDF: 493916.4/41

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

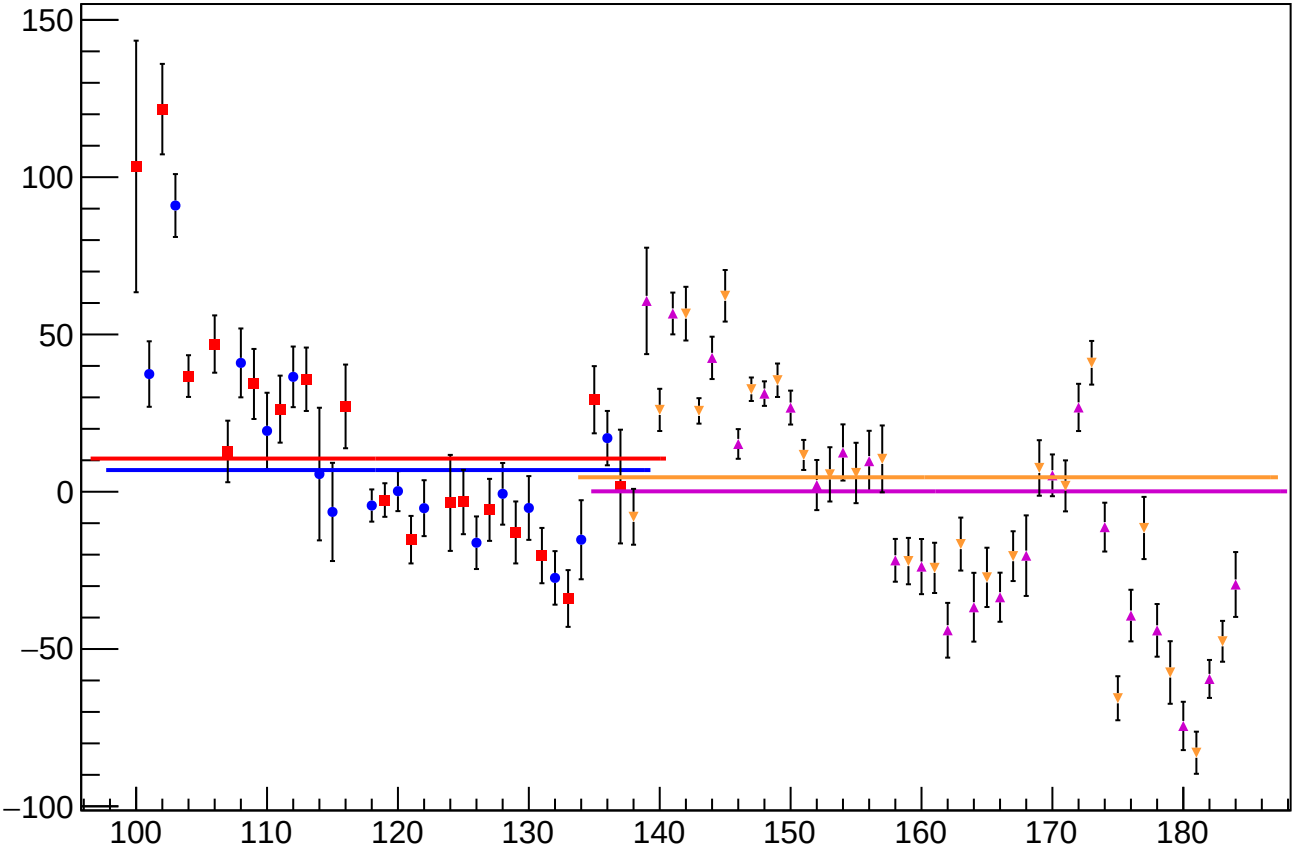
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -404.478+/-1.441 χ^2/NDF: 5539.9/39

All: -406.908+/-1.023 χ^2/NDF: 10401.1/81

- sign -409.382+/-1.454 χ^2/NDF: 4855.5/41

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

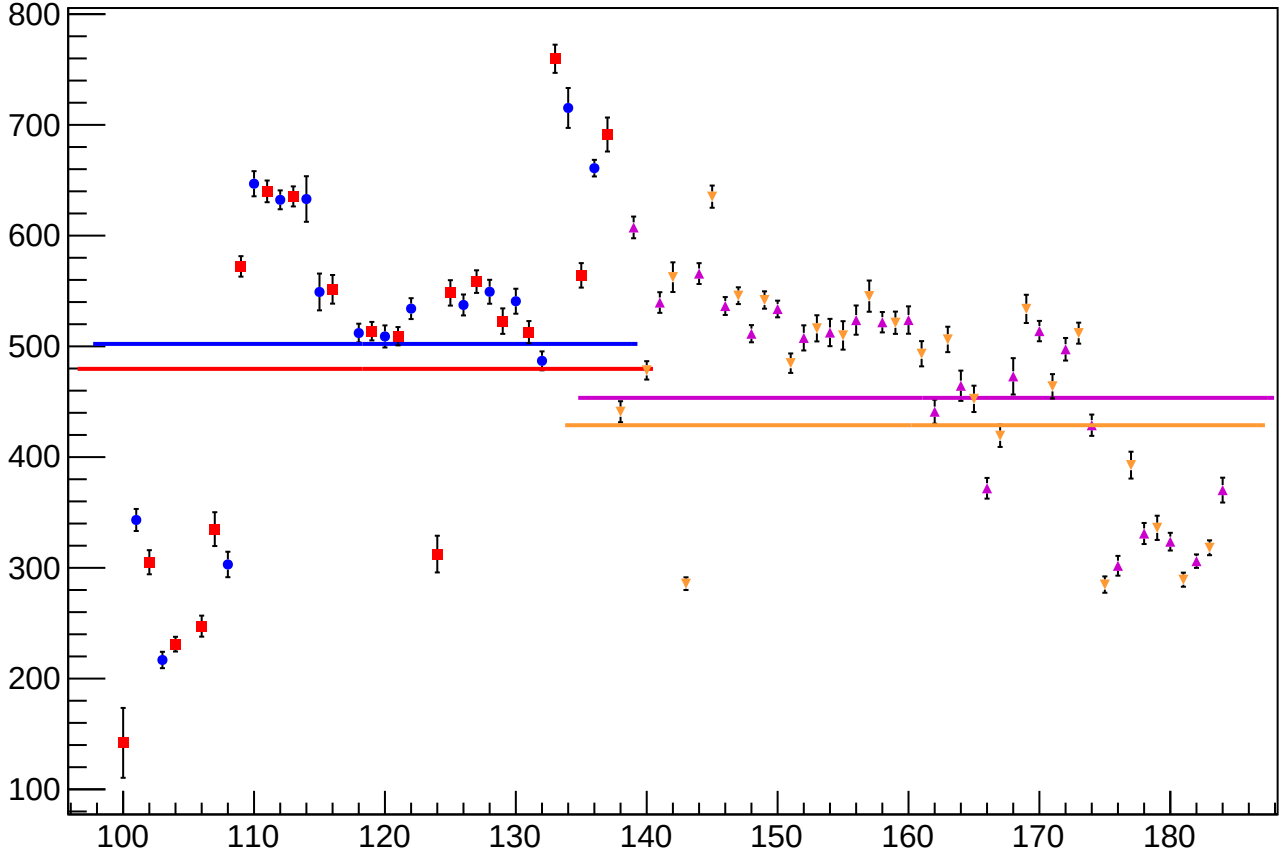
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 5.225+/-1.183 χ^2/NDF: 817.0/39

All: 4.352+/-0.854 χ^2/NDF: 1582.1/81

- sign 3.405+/-1.233 χ^2/NDF: 764.0/41

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

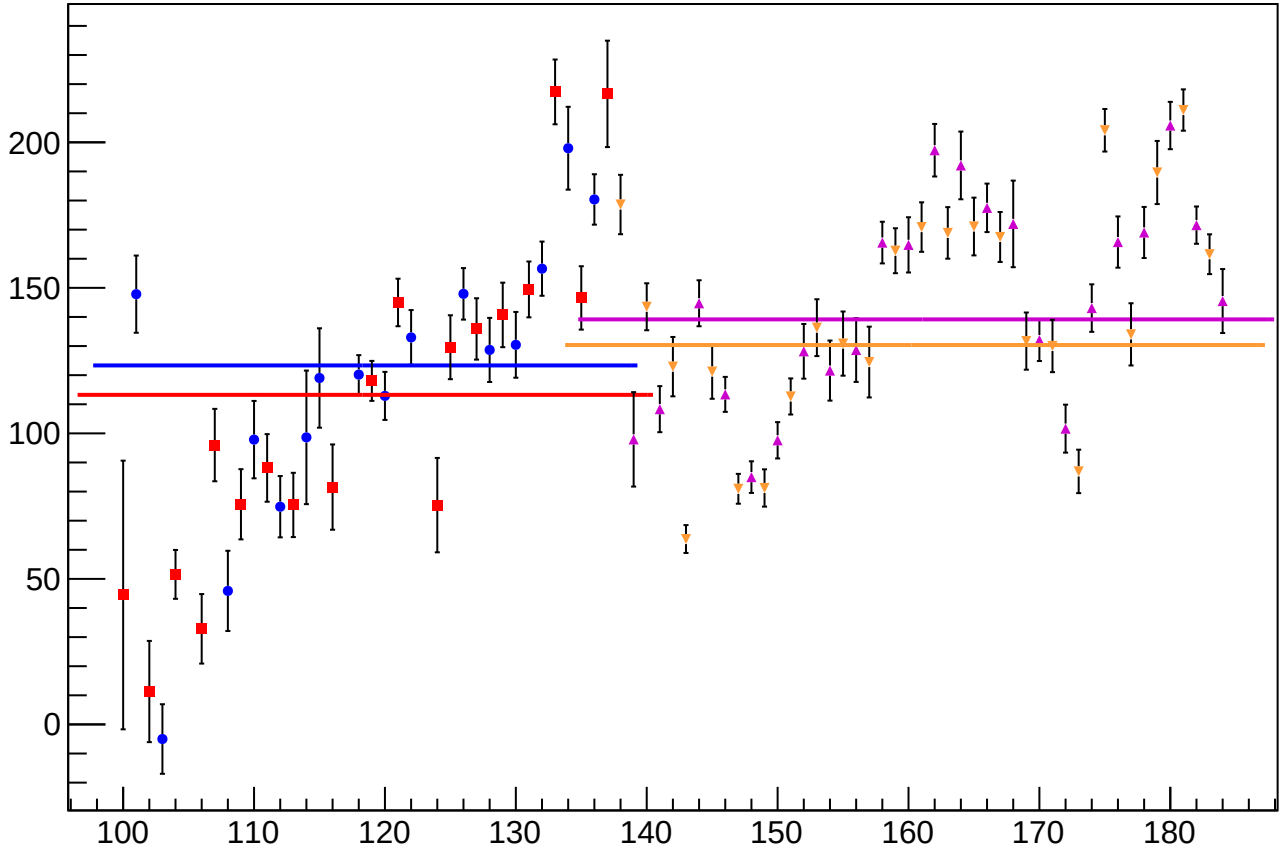
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 455.331+/-1.499 χ^2/NDF: 7055.5/39

All: 459.624+/-1.069 χ^2/NDF: 13701.4/81

- sign 464.064+/-1.524 χ^2/NDF: 6629.2/41

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

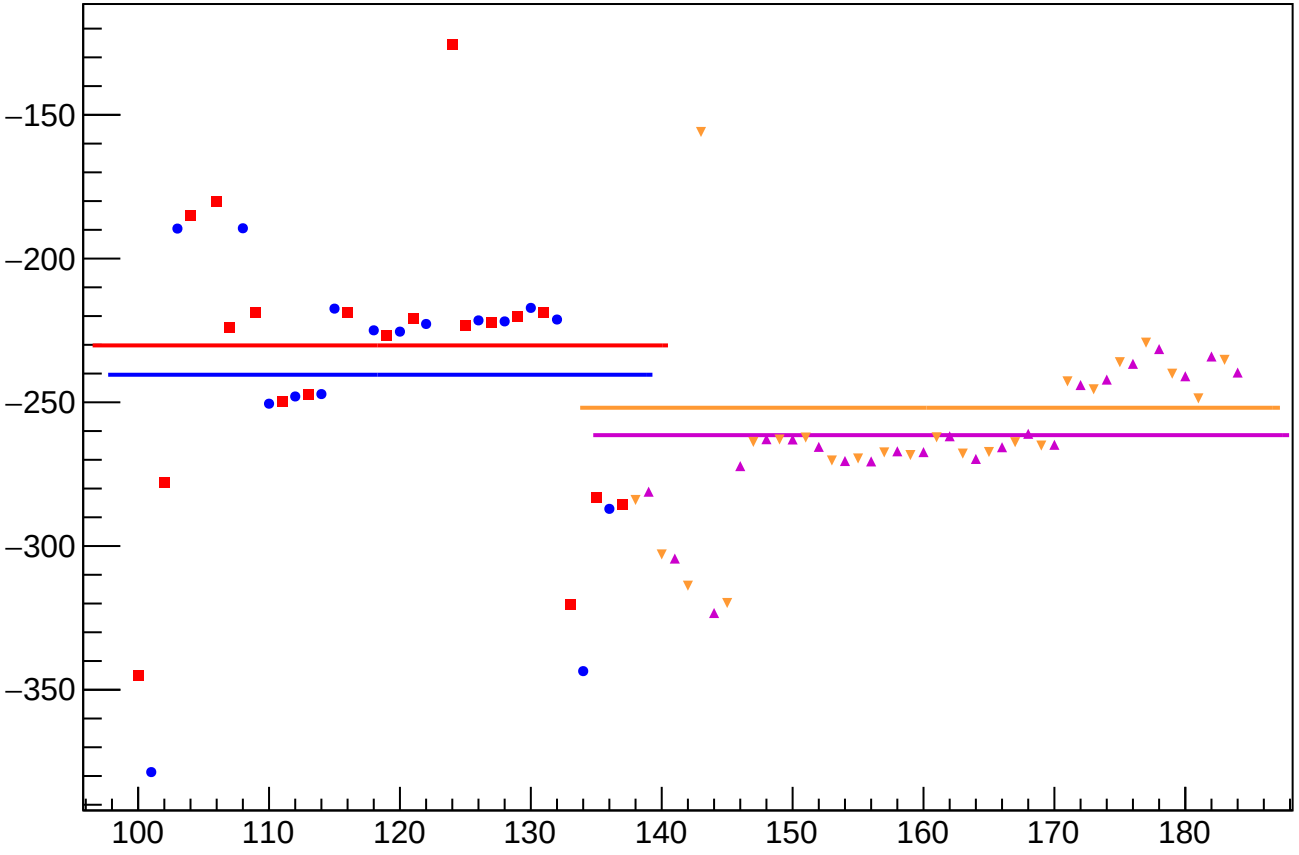
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 128.448+/-1.369 χ^2/NDF: 1067.9/39

All: 129.744+/-0.984 χ^2/NDF: 1921.3/81

- sign 131.131+/-1.416 χ^2/NDF: 851.6/41

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

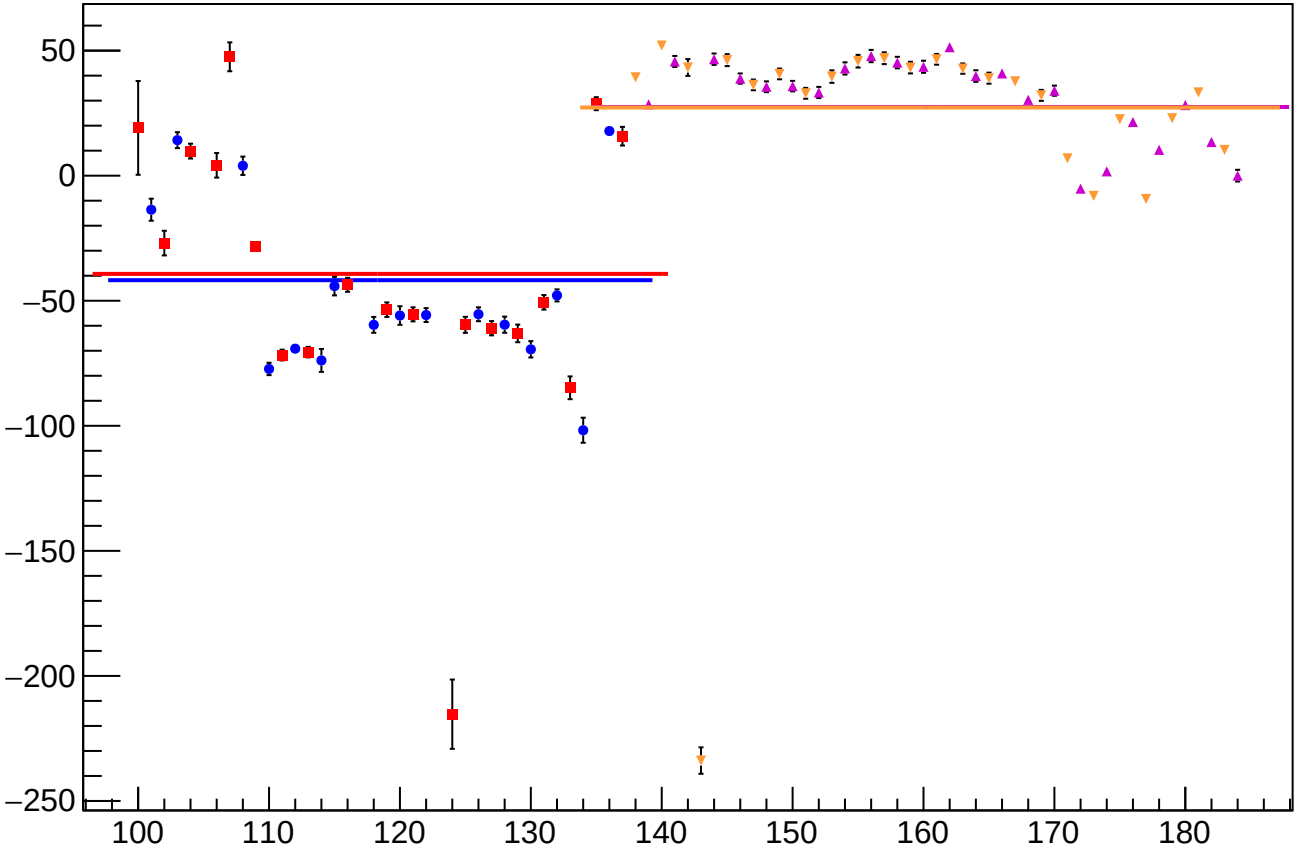
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.593+/-0.067 χ^2/NDF: 392482.4/39

All: -252.021+/-0.048 χ^2/NDF: 583523.7/81

- sign -254.547+/-0.069 χ^2/NDF: 188394.9/41

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

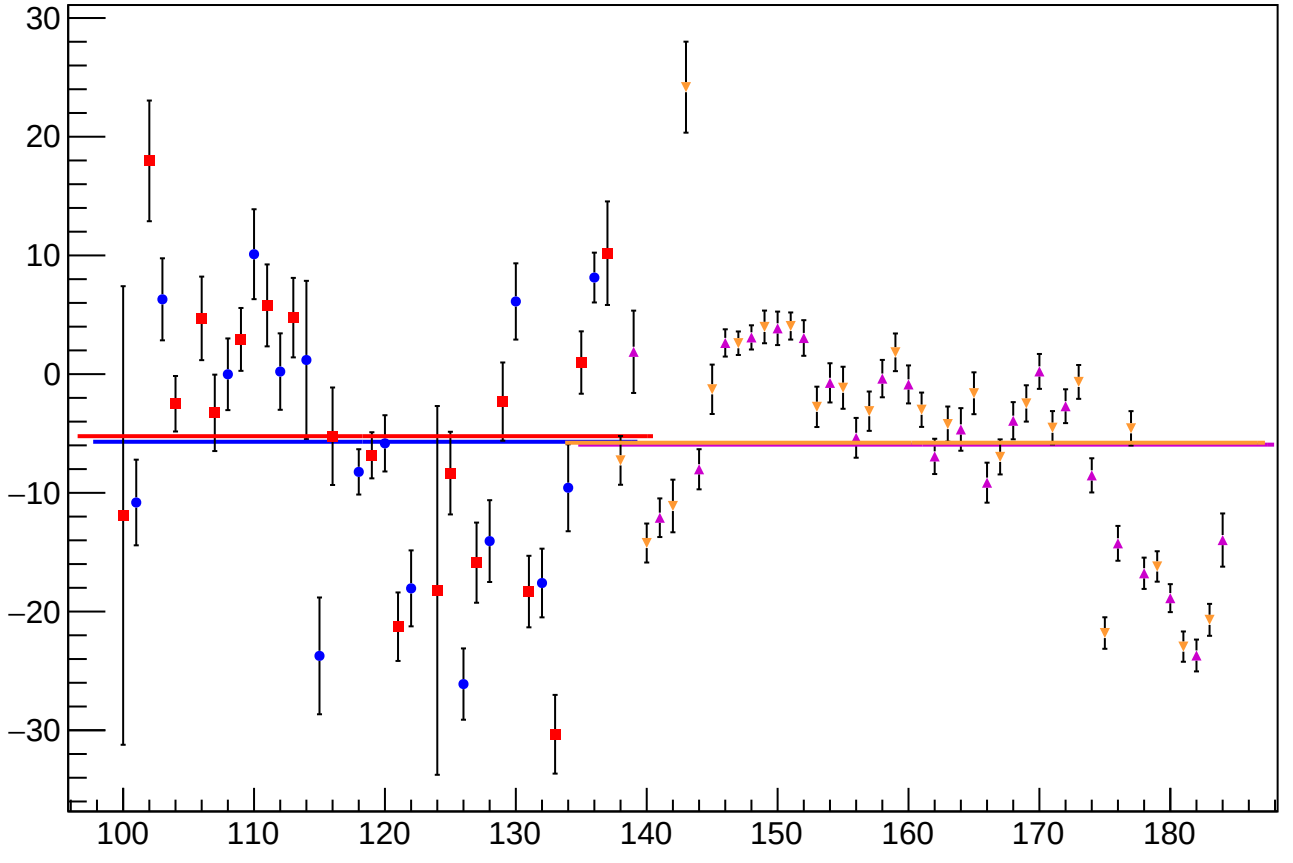
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 11.505+/-0.345 χ^2/NDF: 13719.0/39

All: 11.031+/-0.243 χ^2/NDF: 25008.6/81

- sign 10.567+/-0.342 χ^2/NDF: 11285.9/41

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

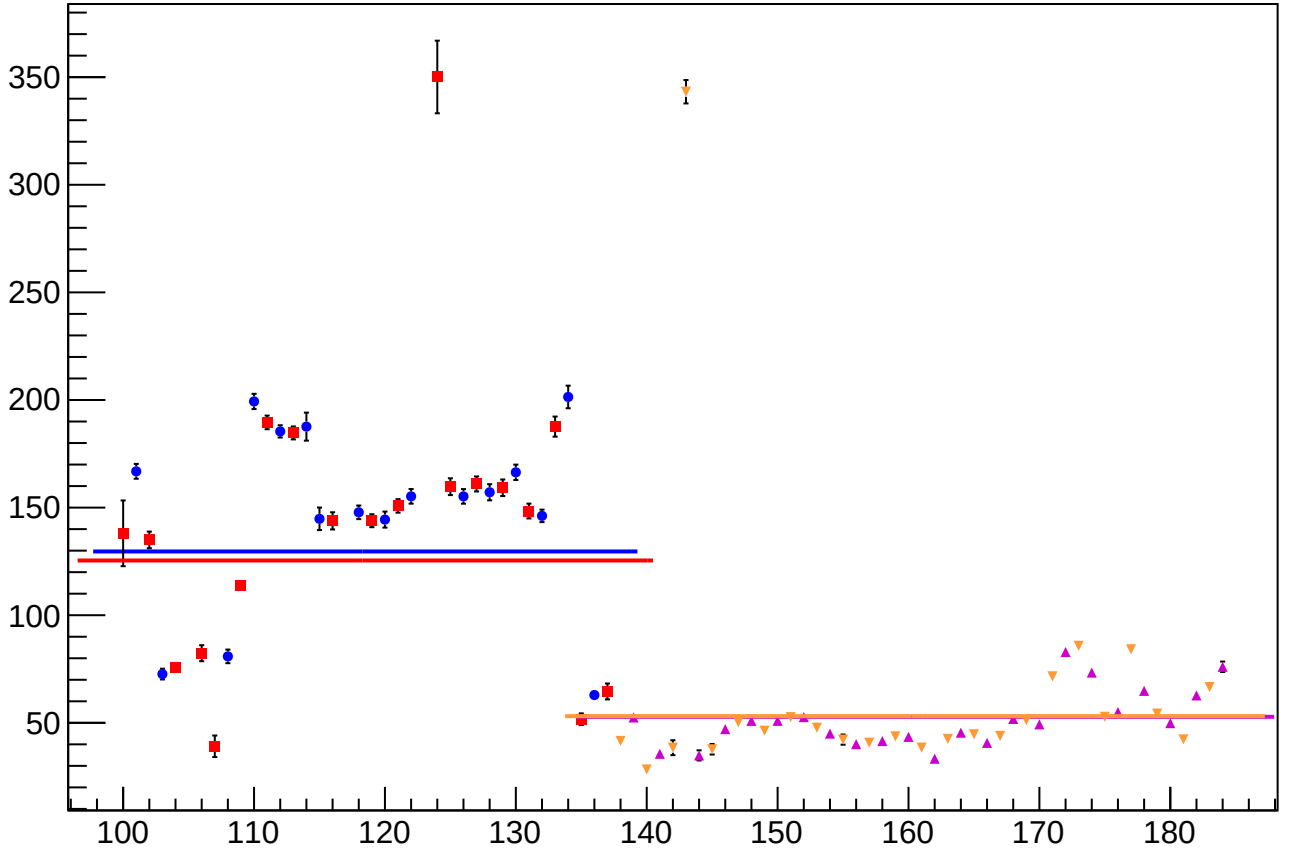
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.765+/-0.282 χ^2/NDF: 1072.8/39

All: -5.799+/-0.201 χ^2/NDF: 1983.2/81

- sign -5.834+/-0.285 χ^2/NDF: 910.4/41

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

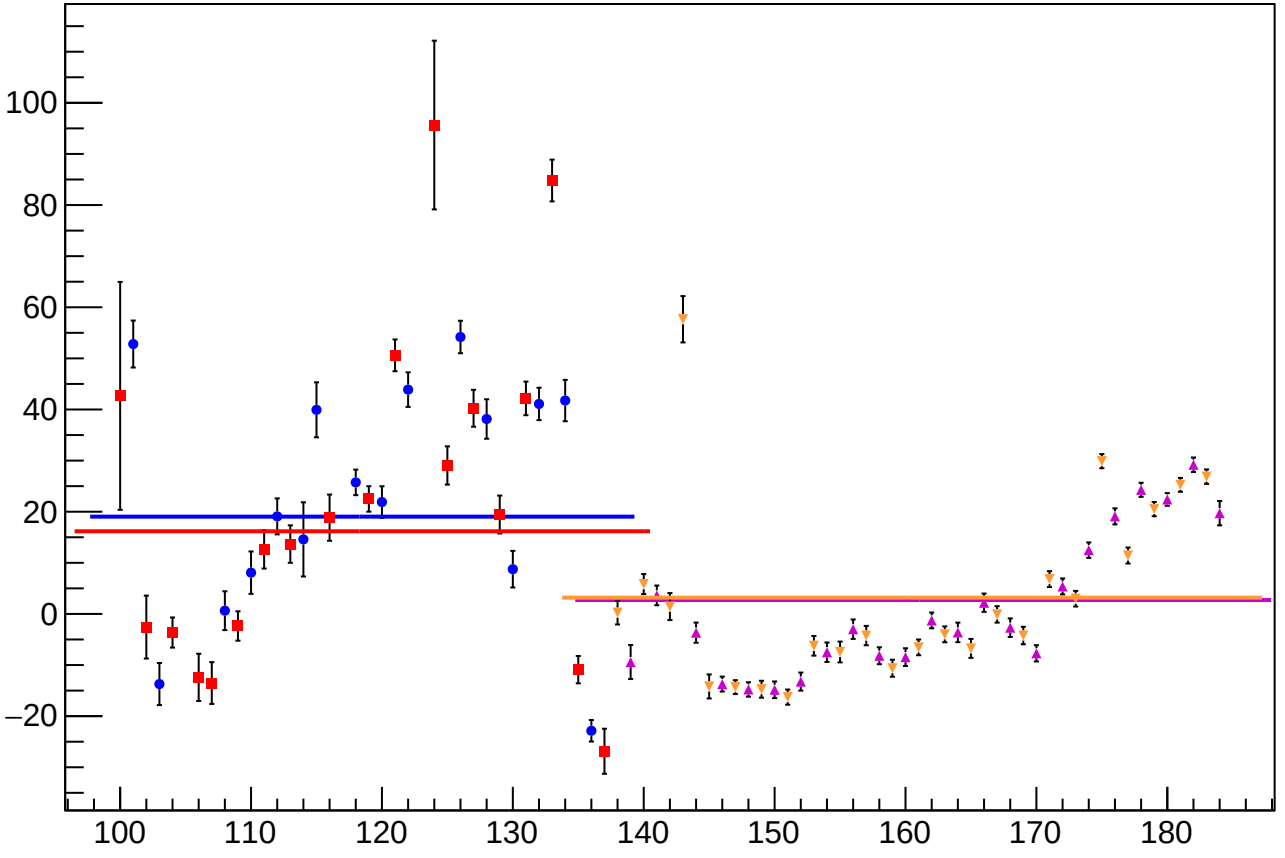
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 67.792+/-0.351 χ^2/NDF: 15160.8/39

All: 67.491+/-0.248 χ^2/NDF: 26426.0/81

- sign 67.189+/-0.352 χ^2/NDF: 11263.7/41

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

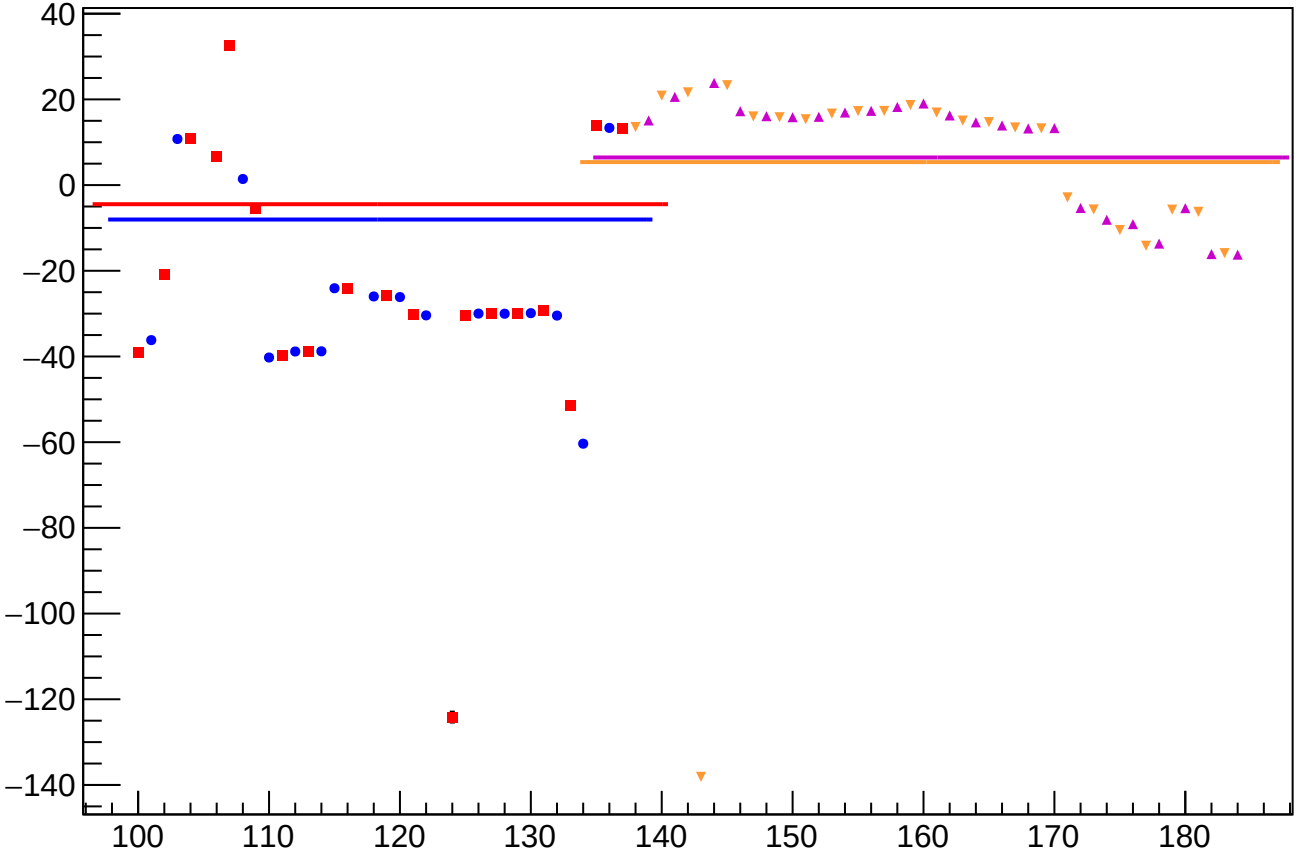
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 5.360+/-0.318 χ^2/NDF: 3162.9/39

All: 5.011+/-0.226 χ^2/NDF: 6058.2/81

\- sign 4.656+/-0.321 χ^2/NDF: 2892.9/41

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

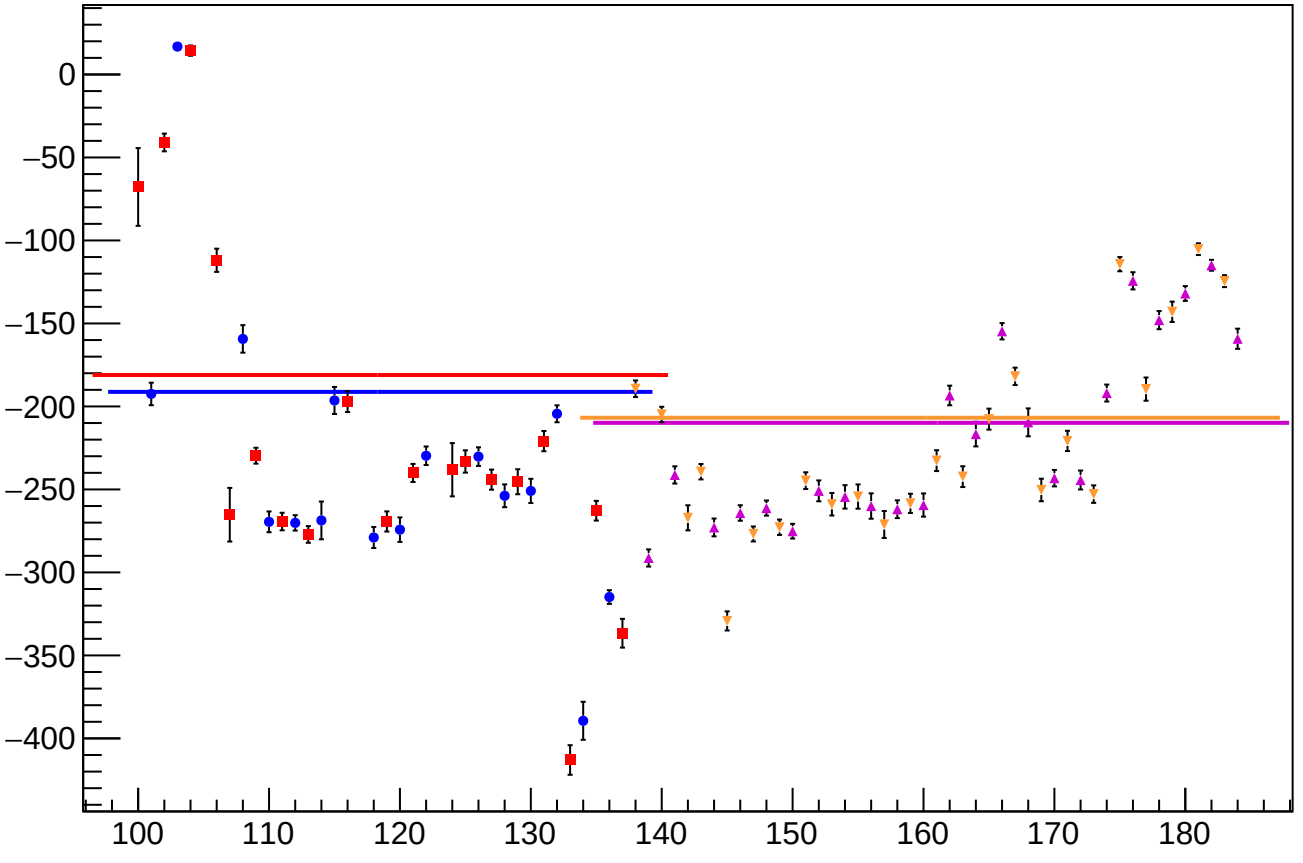
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 4.009+/-0.015 χ^2/NDF: 1445932.6/39

All: 4.698+/-0.010 χ^2/NDF: 2457545.0/81

- sign 5.387+/-0.015 χ^2/NDF: 1007148.4/41

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

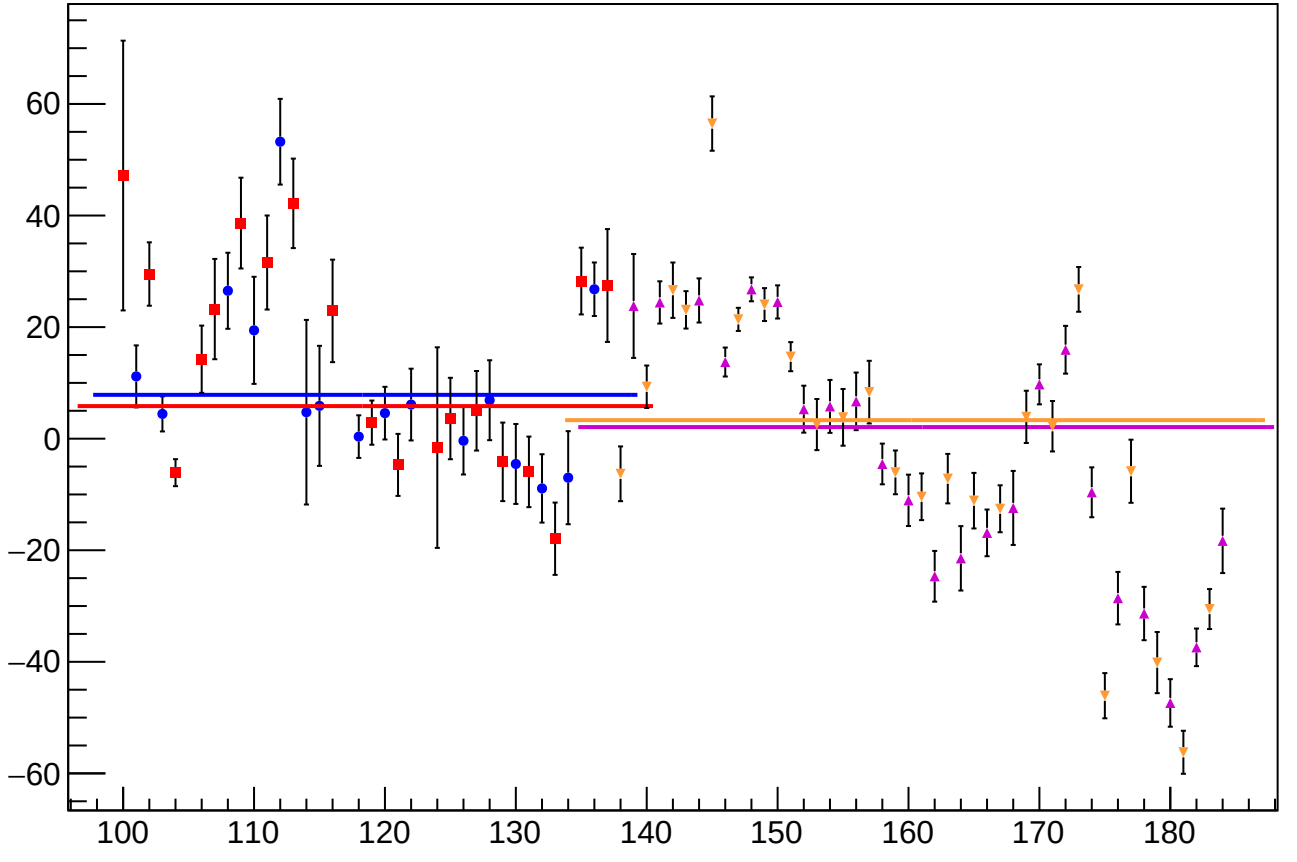
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -201.103+/-0.859 χ^2/NDF: 10747.5/39

All: -199.903+/-0.608 χ^2/NDF: 21402.7/81

- sign -198.697+/-0.861 χ^2/NDF: 10651.2/41

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

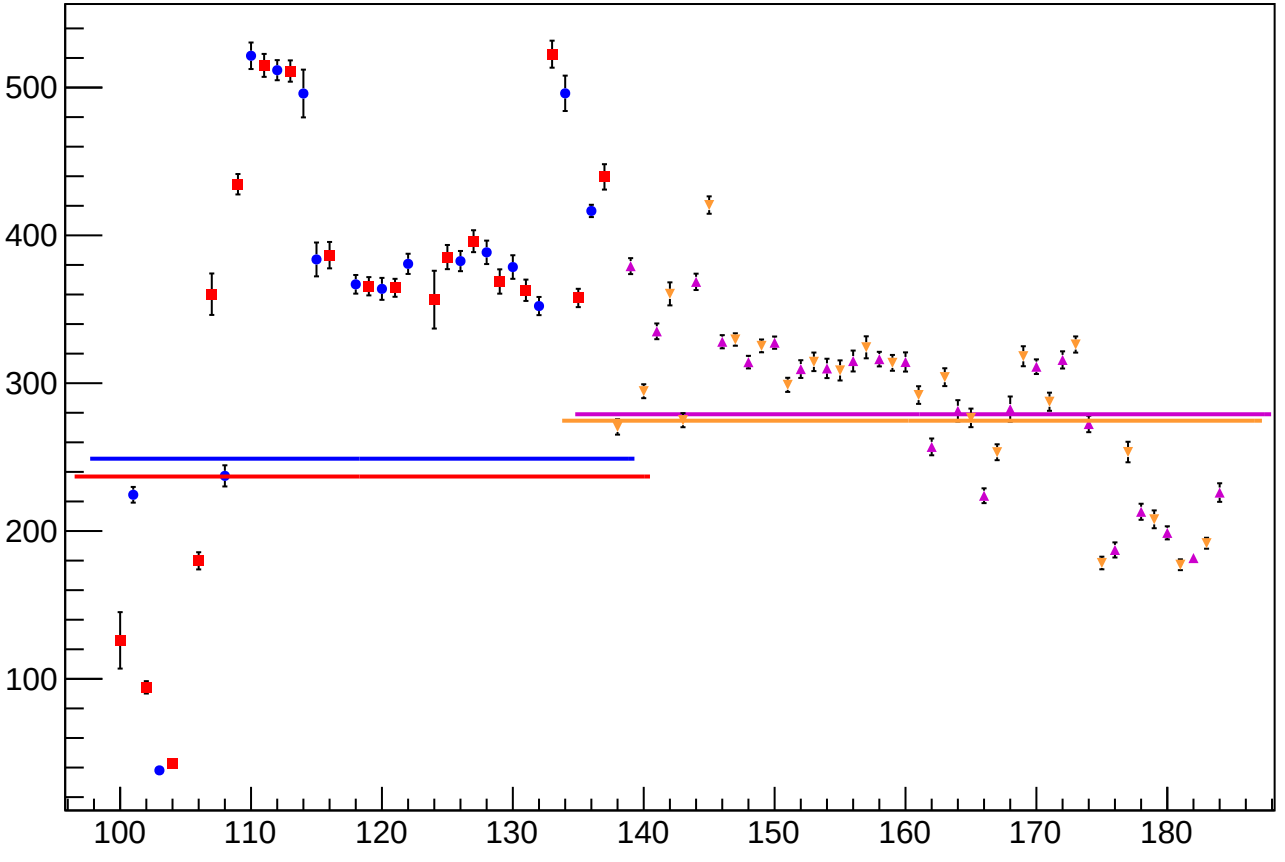
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 4.377+/-0.694 χ^2/NDF: 1036.6/39

All: 3.739+/-0.493 χ^2/NDF: 1956.0/81

\- sign 3.086+/-0.702 χ^2/NDF: 917.7/41

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

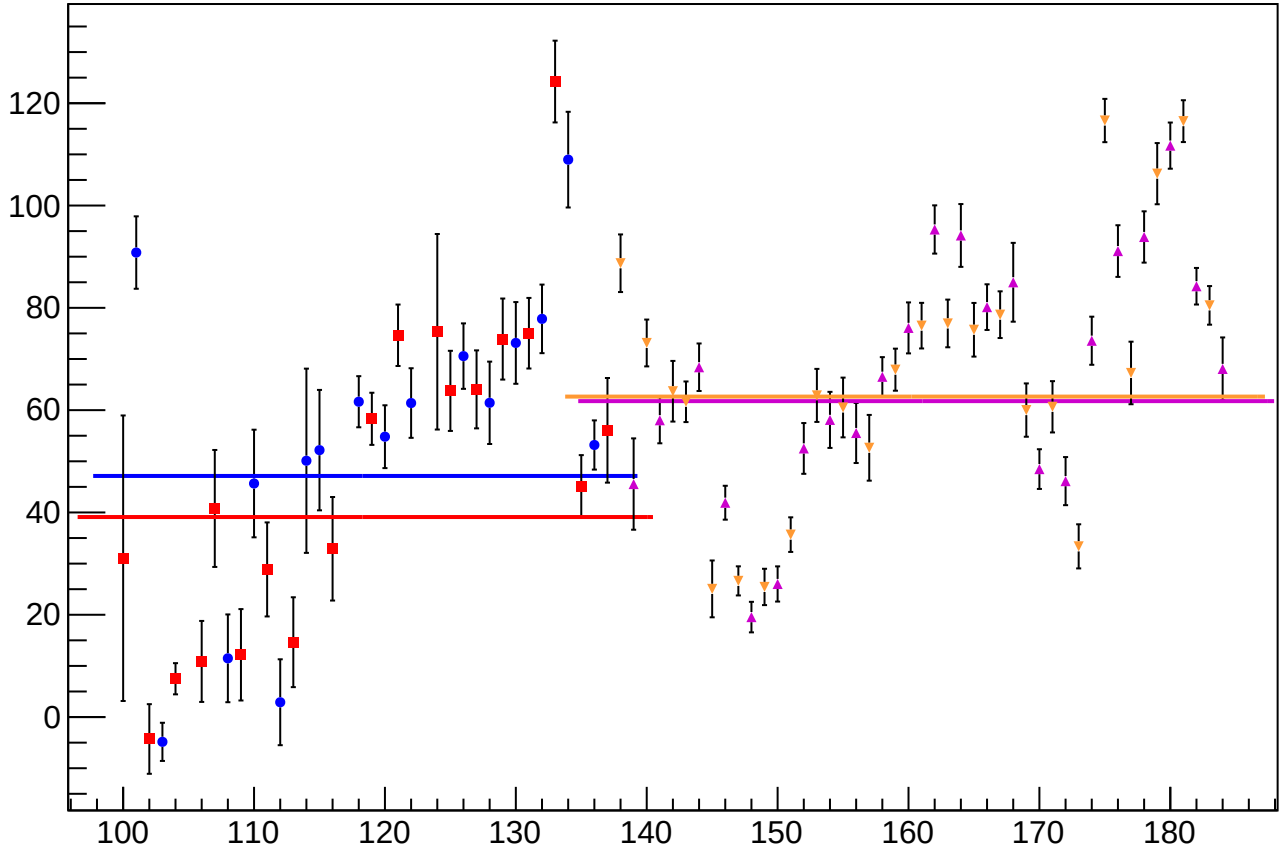
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 265.329+/-0.855 χ^2/NDF: 18790.4/39

All: 264.276+/-0.607 χ^2/NDF: 38126.0/81

- sign 263.209+/-0.861 χ^2/NDF: 19332.6/41

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

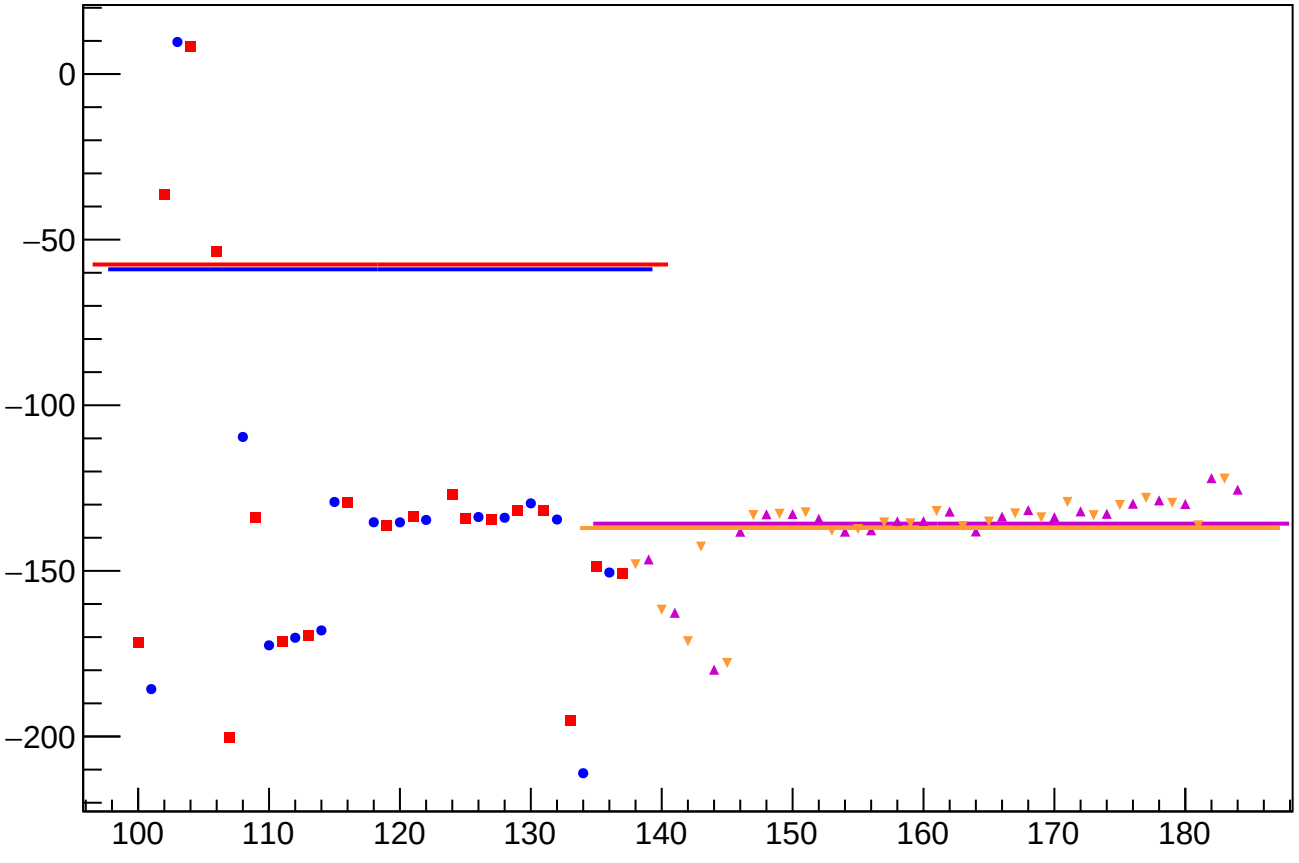
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 59.063+/-0.802 χ^2/NDF: 1358.4/39

All: 57.515+/-0.570 χ^2/NDF: 2668.2/81

- sign 55.939+/-0.809 χ^2/NDF: 1302.2/41

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

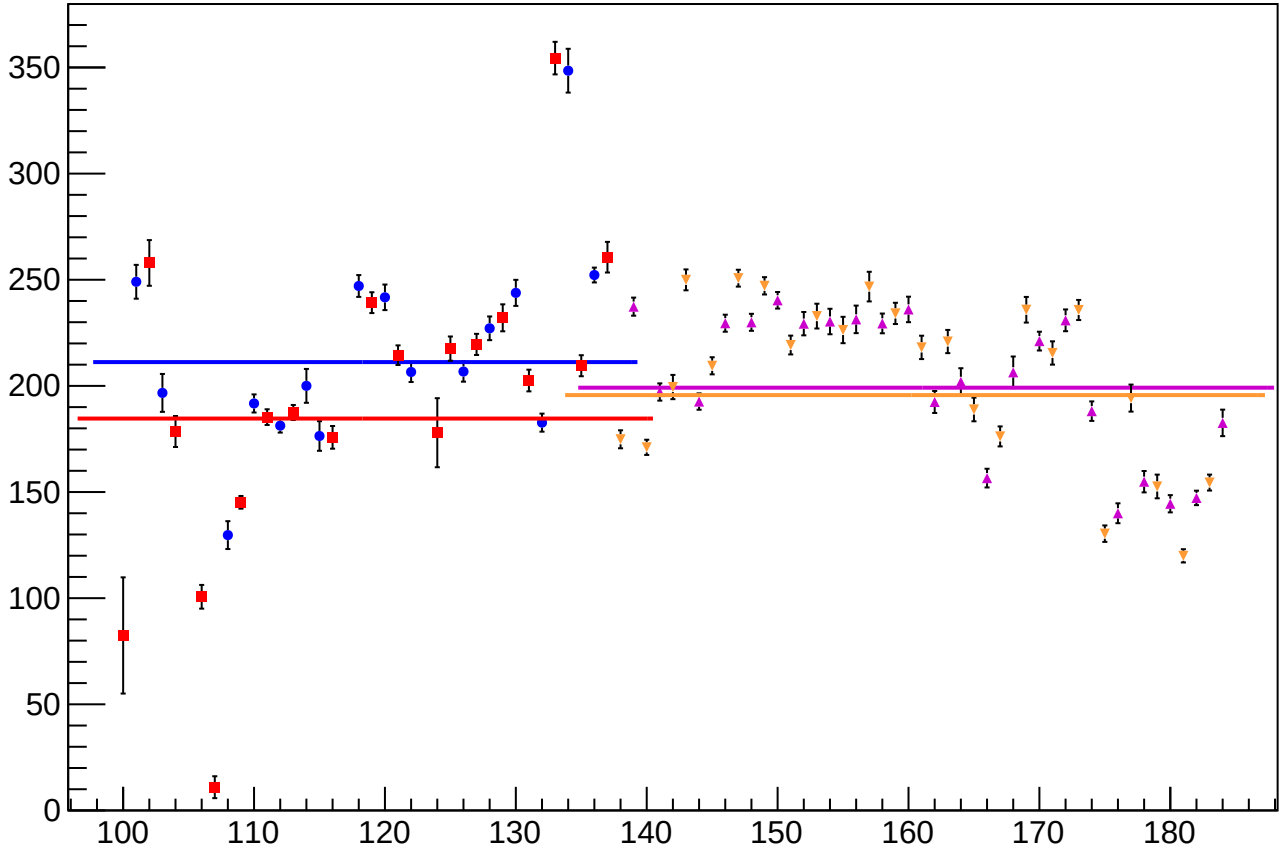
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -116.974+/-0.037 χ^2/NDF: 2162349.9/39

All: -116.605+/-0.026 χ^2/NDF: 3930922.5/81

- sign -116.231+/-0.037 χ^2/NDF: 1768370.7/41

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

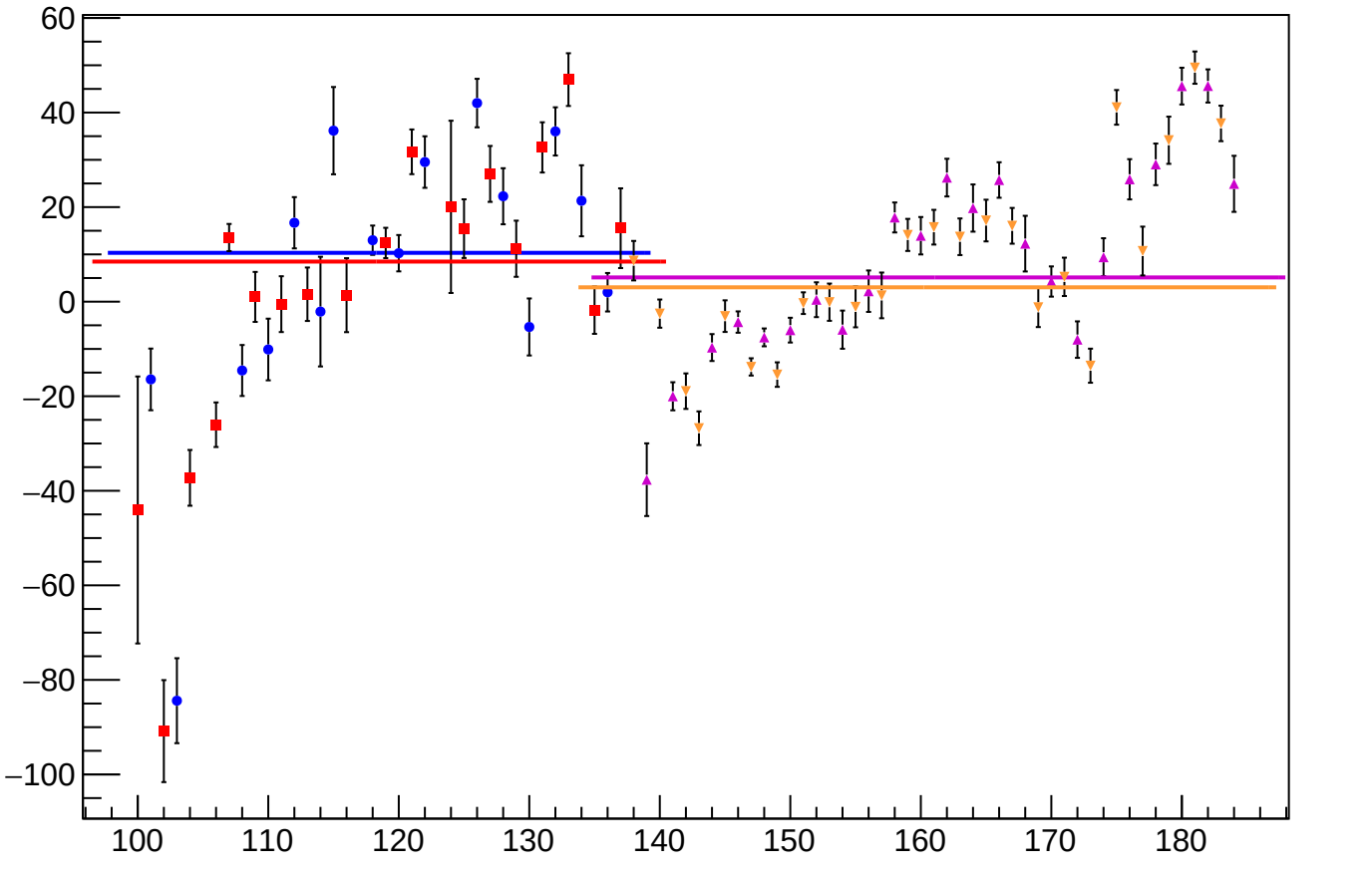
Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 201.116+/-0.767 χ^2/NDF: 2874.5/39

All: 197.166+/-0.538 χ^2/NDF: 6850.7/81

\- sign 193.352+/-0.754 χ^2/NDF: 3924.1/41



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

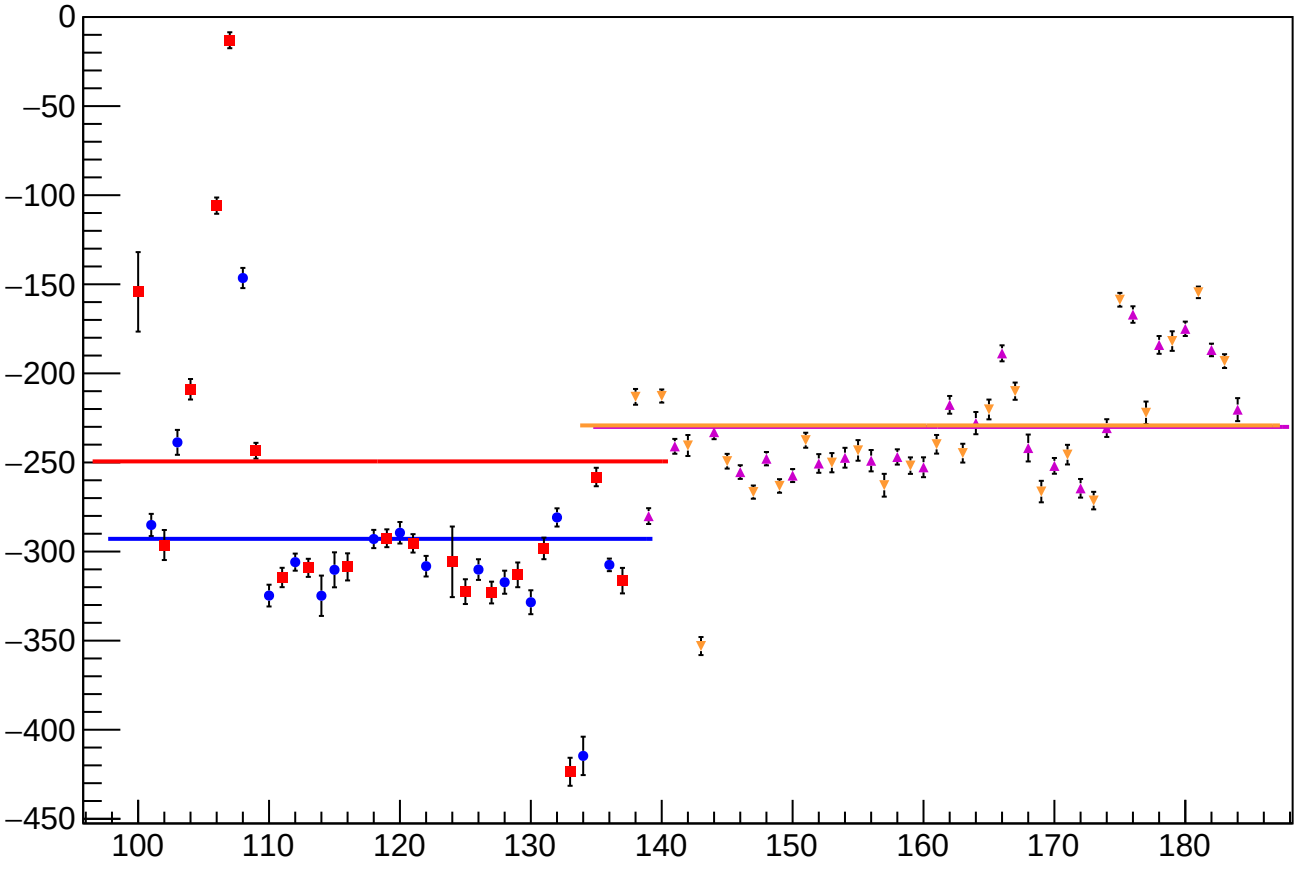
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 4.600+/-0.617 χ^2/NDF: 1033.7/39

All: 5.290+/-0.437 χ^2/NDF: 1992.7/81

- sign 5.983+/-0.619 χ^2/NDF: 956.5/41

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

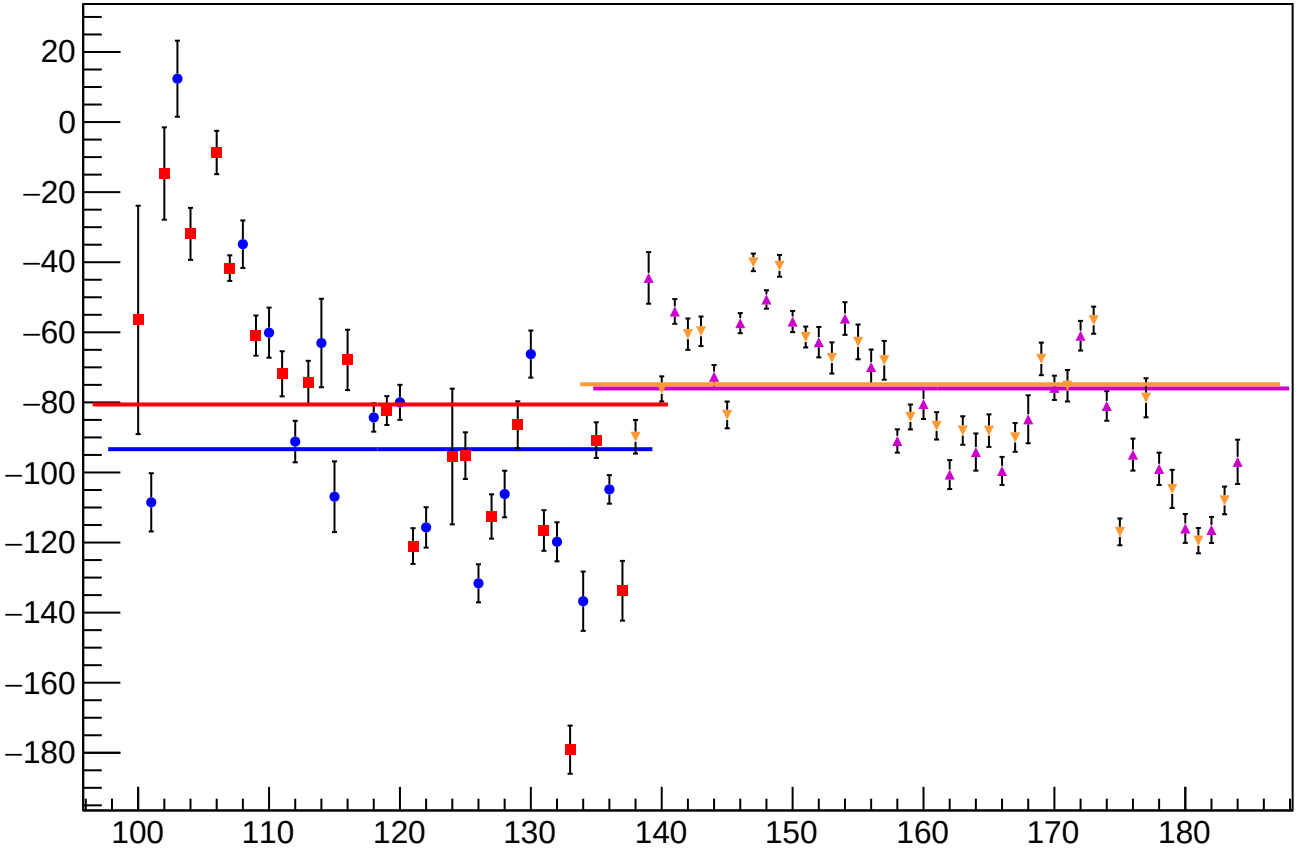
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

\+ sign -247.864+/-0.794 χ^2/NDF: 4407.6/39

All: -242.095+/-0.559 χ^2/NDF: 11108.5/81

\- sign -236.439+/-0.786 χ^2/NDF: 6596.4/41

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

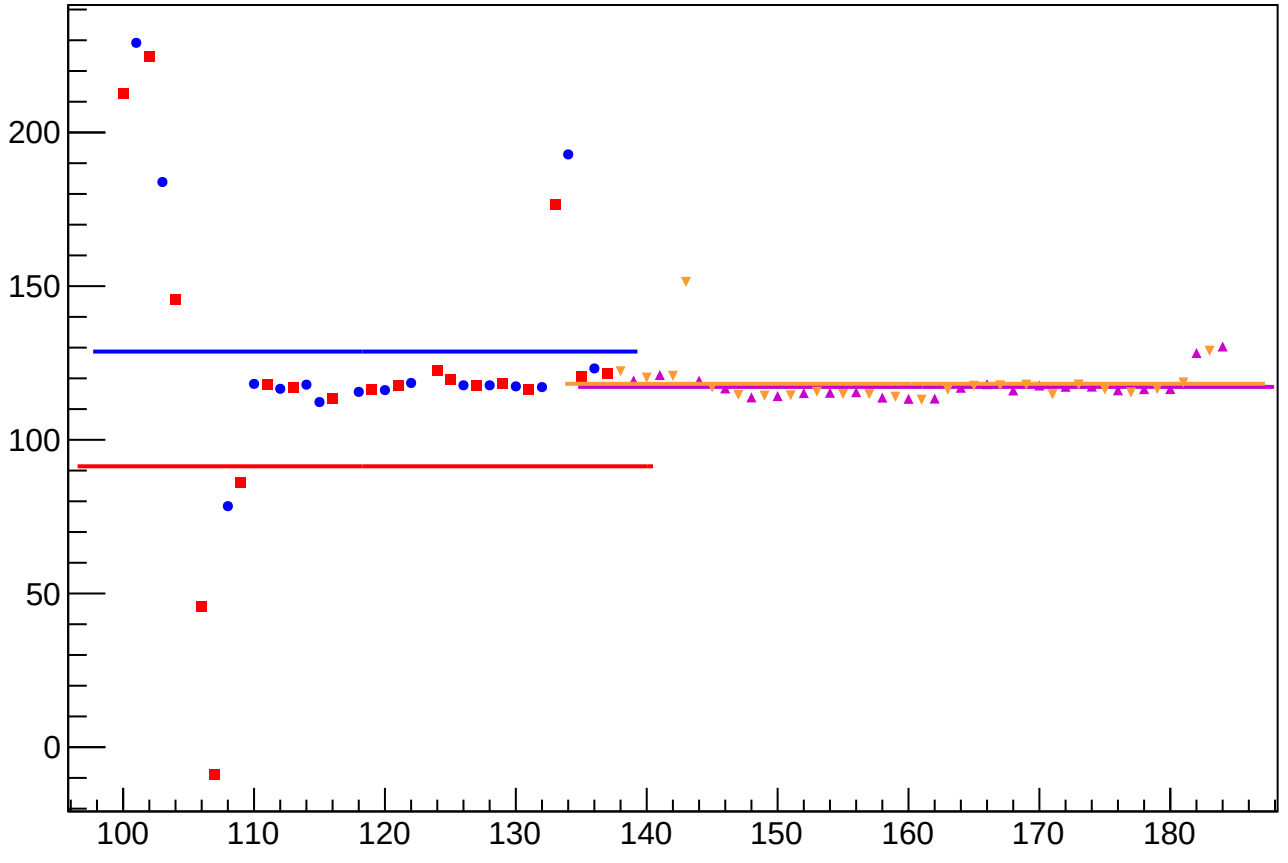
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -78.829+/-0.713 χ^2/NDF: 1296.1/39

All: -78.000+/-0.504 χ^2/NDF: 2667.9/81

- sign -77.171+/-0.713 χ^2/NDF: 1369.1/41

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

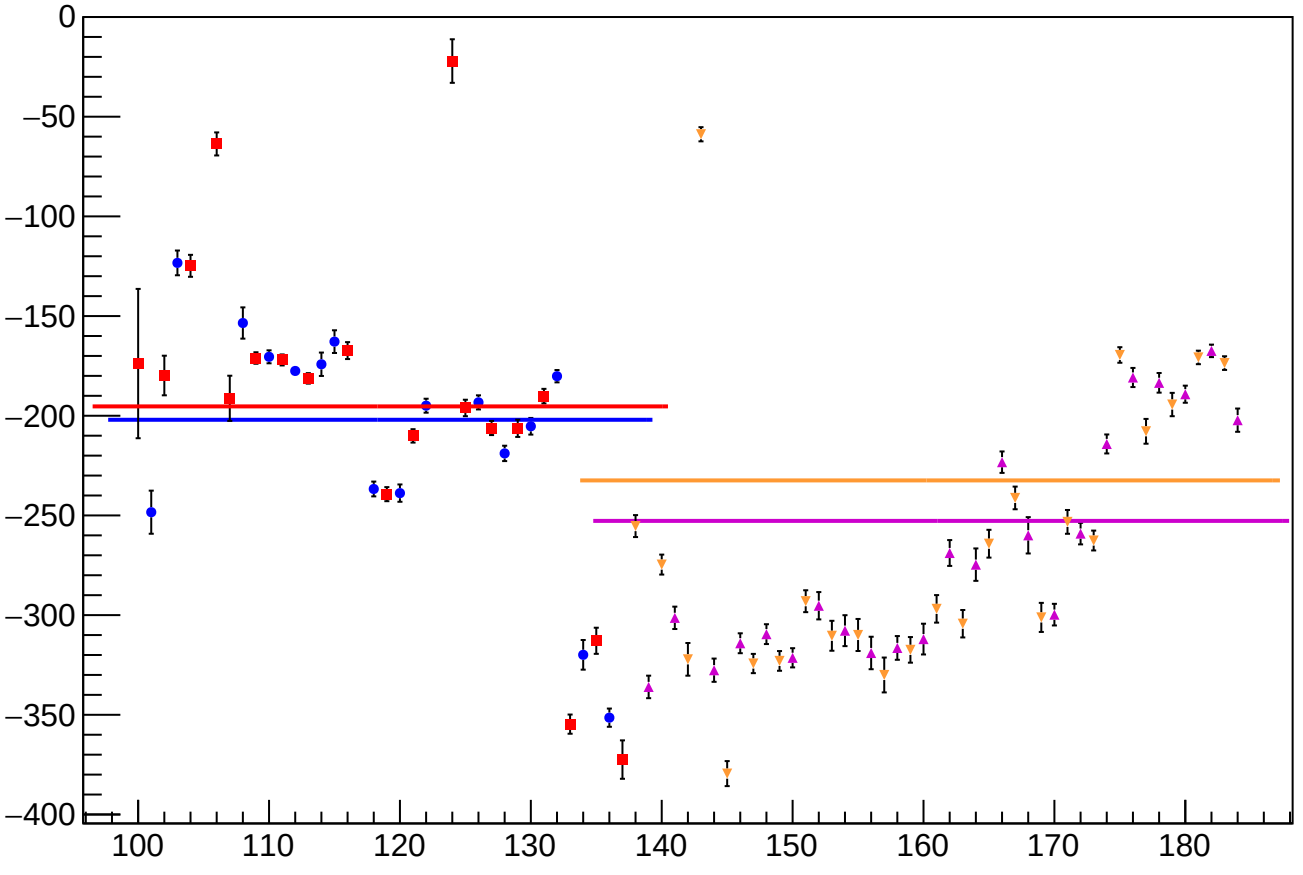
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 119.815+/-0.035 χ^2/NDF: 229219.2/39

All: 116.065+/-0.024 χ^2/NDF: 954490.1/81

- sign 112.458+/-0.034 χ^2/NDF: 702259.5/41

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

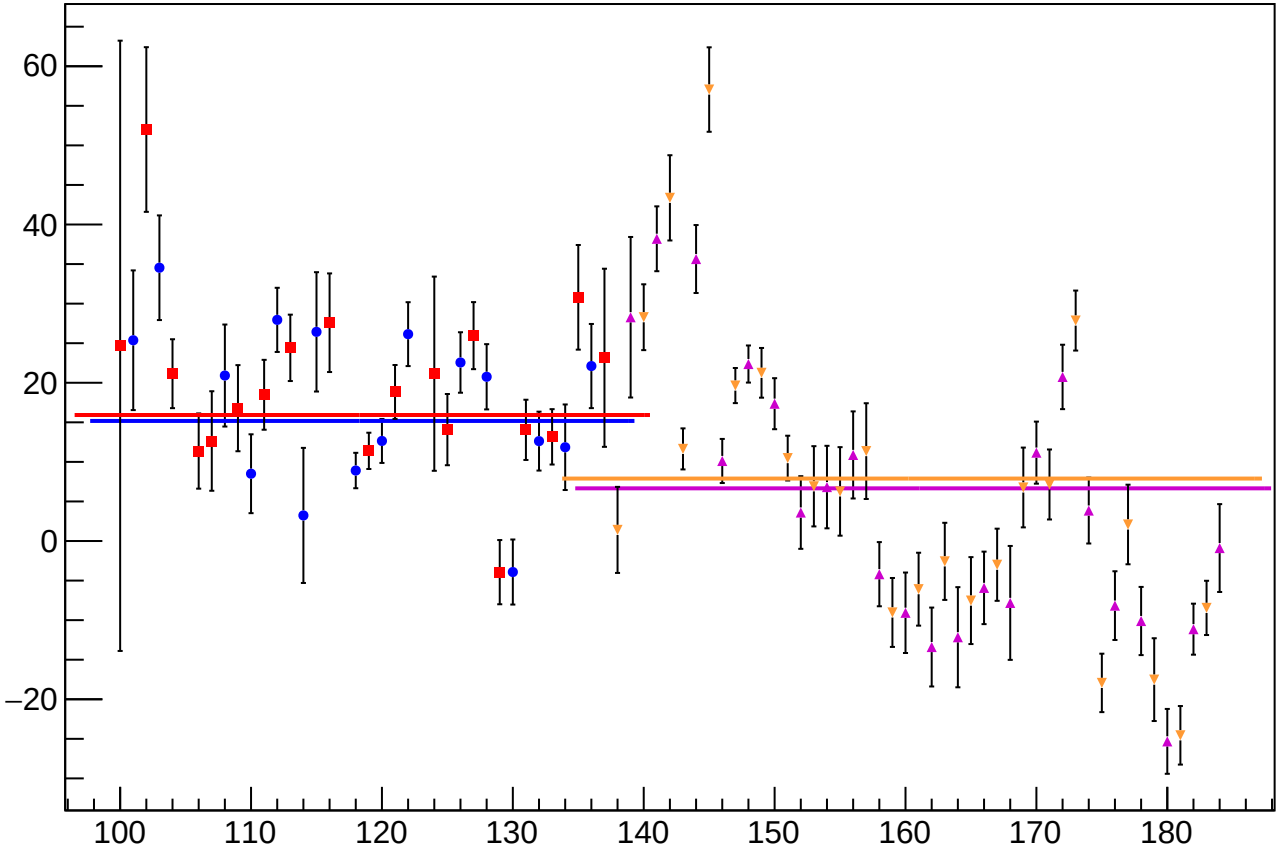
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -216.383+/-0.744 χ^2/NDF: 8215.0/39

All: -218.092+/-0.524 χ^2/NDF: 15720.6/81

- sign -219.773+/-0.738 χ^2/NDF: 7495.2/41

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

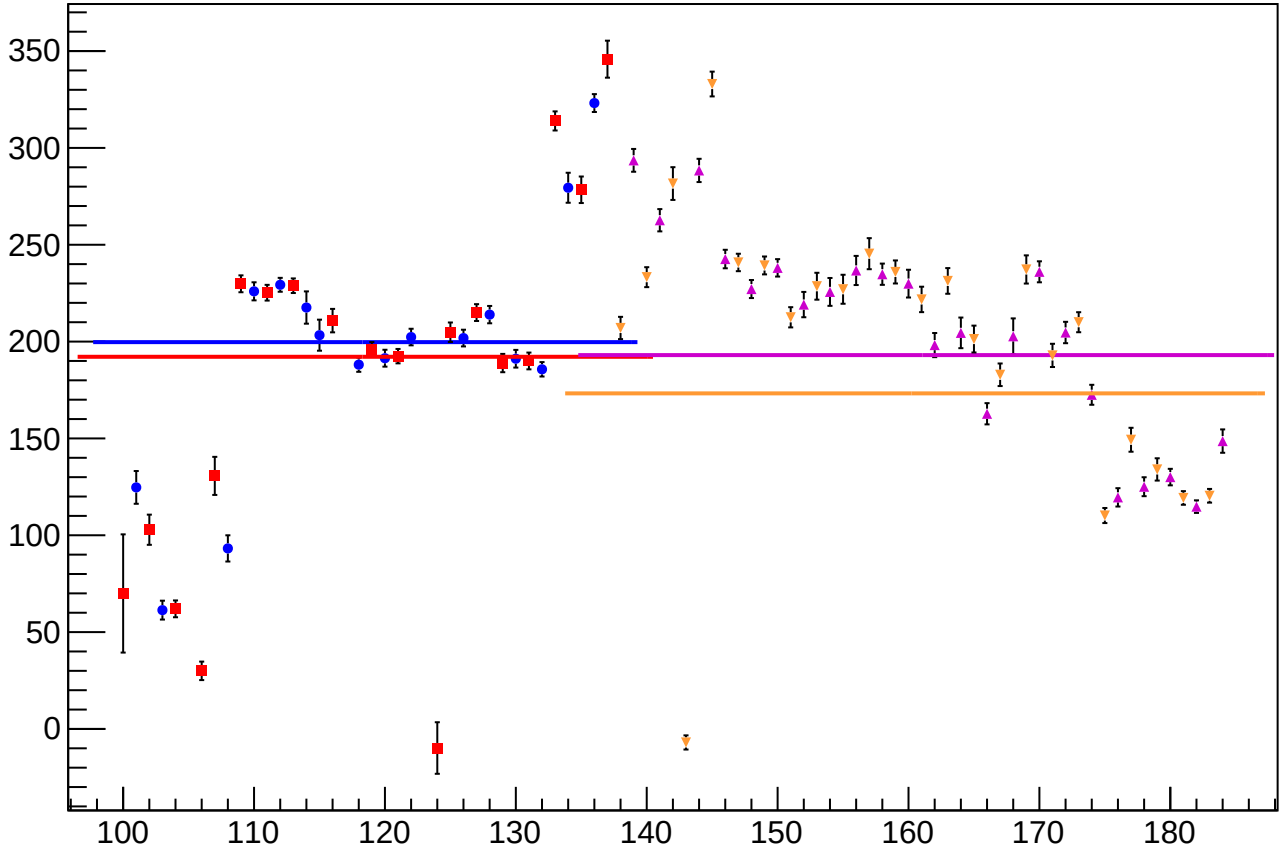
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 10.613+/-0.640 χ^2/NDF: 549.6/39

All: 10.522+/-0.460 χ^2/NDF: 1015.4/81

- sign 10.426+/-0.661 χ^2/NDF: 465.8/41

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

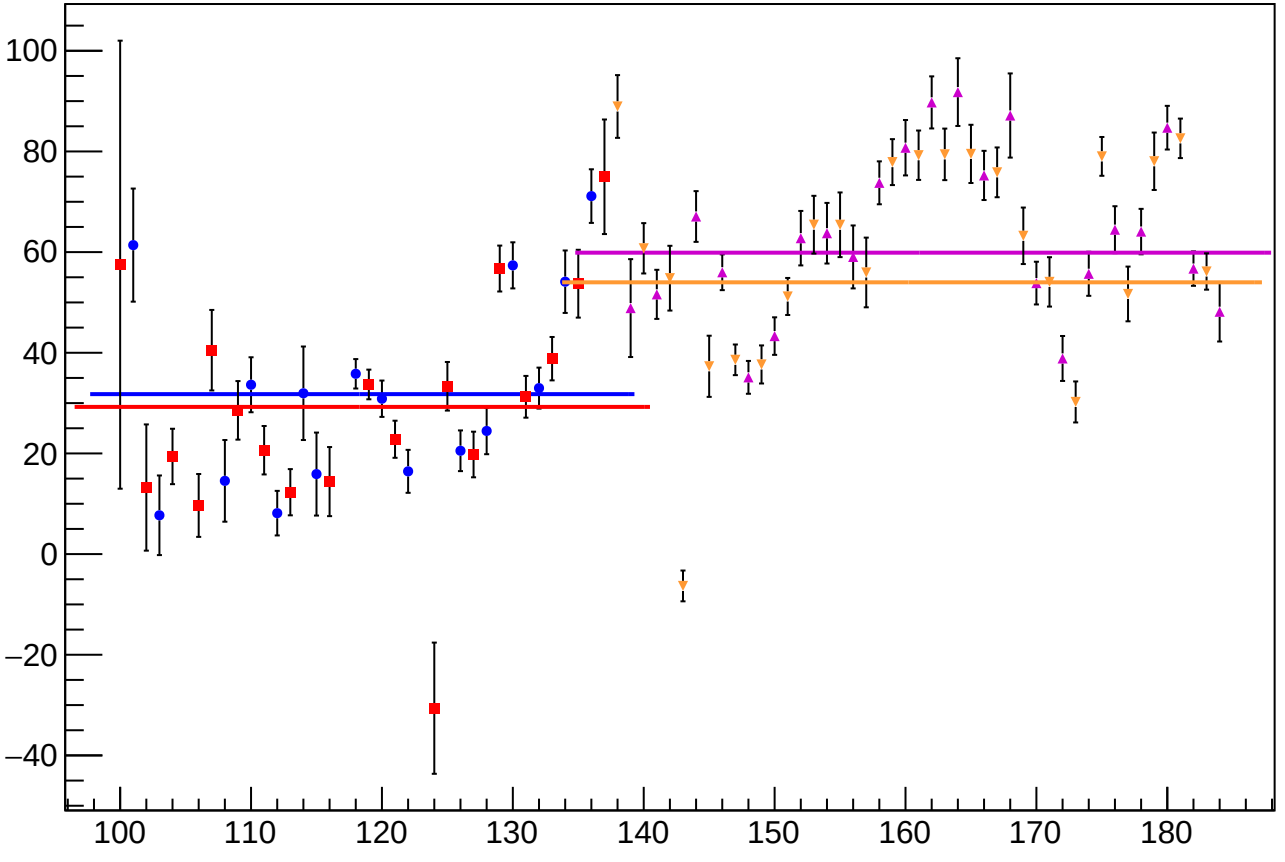
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 185.129+/-0.801 χ^2/NDF: 7620.9/39

All: 188.854+/-0.567 χ^2/NDF: 13953.7/81

- sign 192.602+/-0.803 χ^2/NDF: 6289.4/41

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

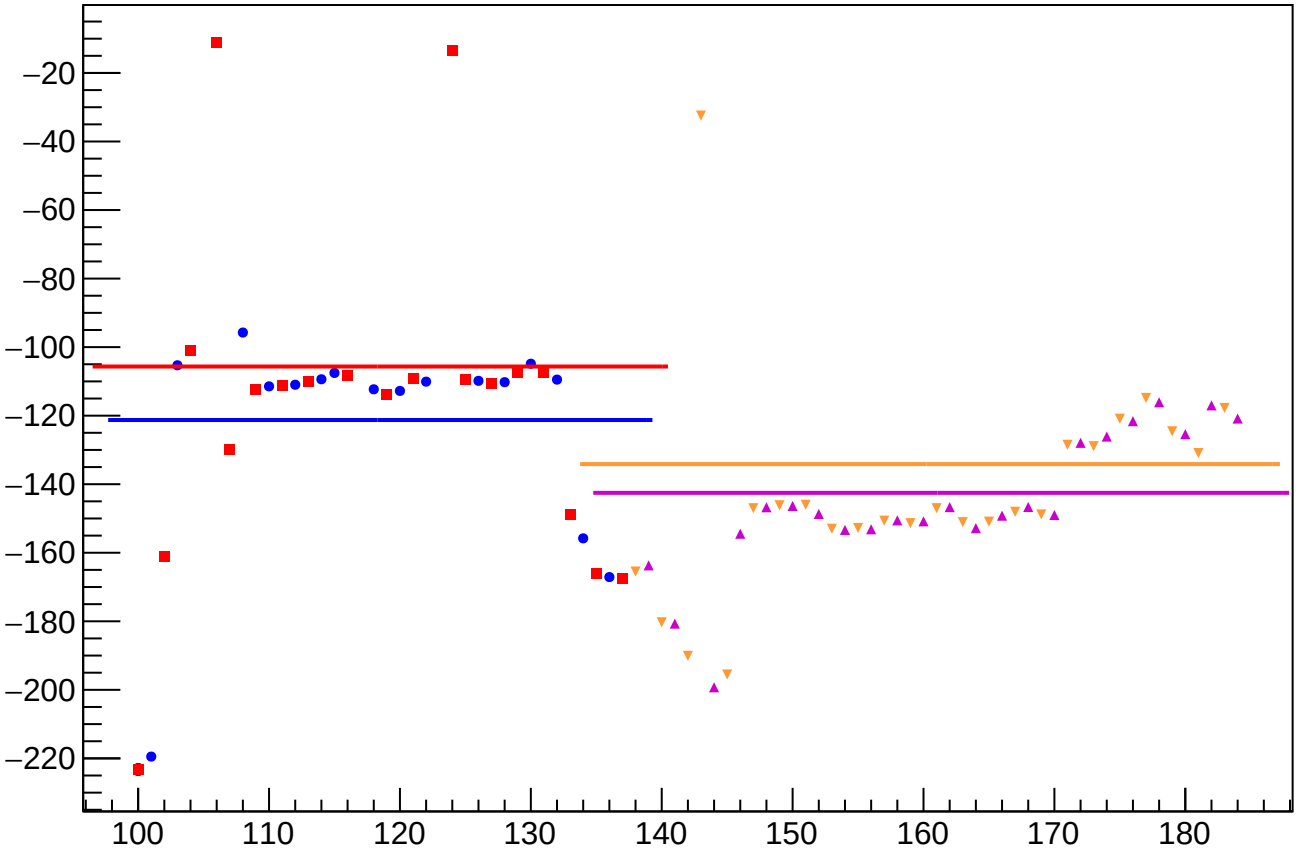
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 45.805+/-0.739 χ^2/NDF: 1137.2/39

All: 46.697+/-0.529 χ^2/NDF: 1925.7/81

- sign 47.633+/-0.757 χ^2/NDF: 785.6/41

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

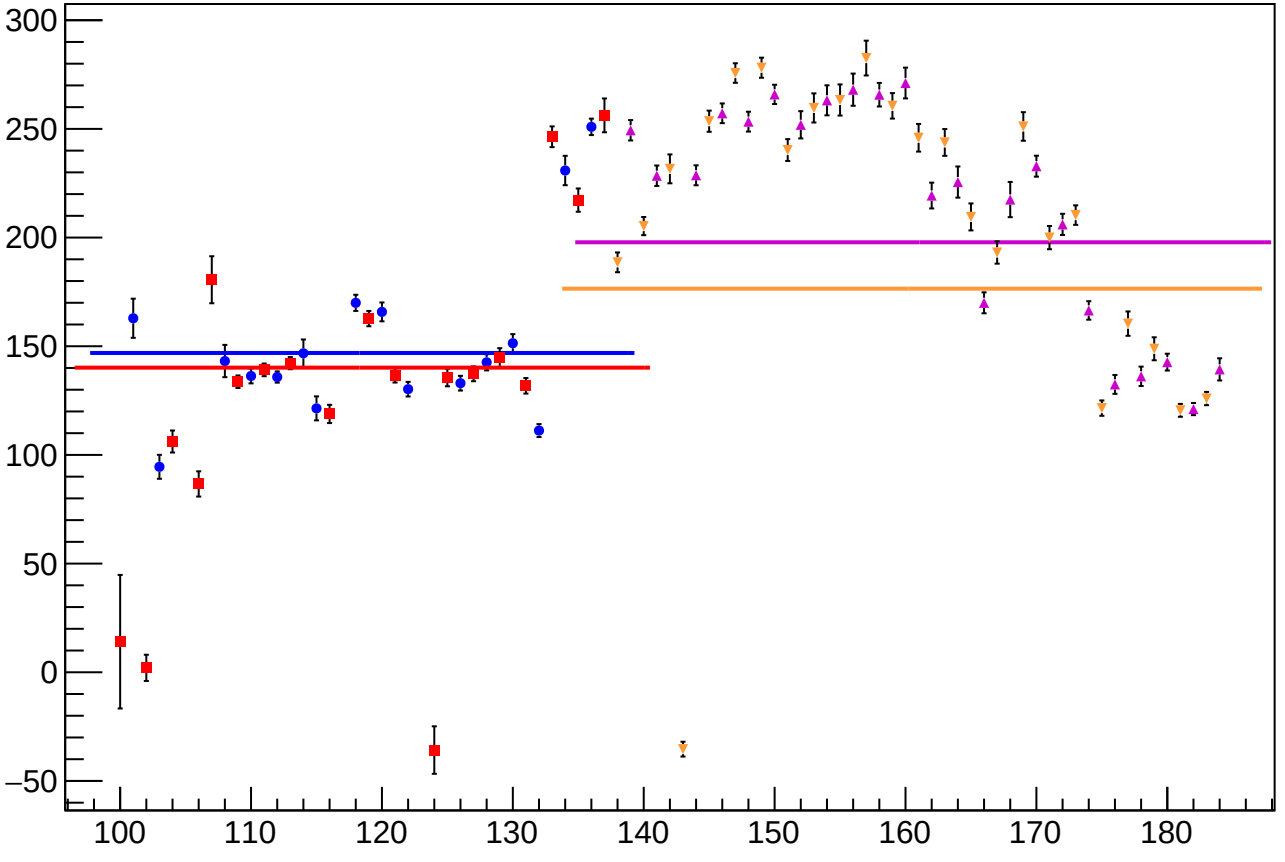
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.166+/-0.038 χ^2/NDF: 811745.9/39

All: -132.026+/-0.027 χ^2/NDF: 1526200.4/81

- sign -132.892+/-0.038 χ^2/NDF: 713429.4/41

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

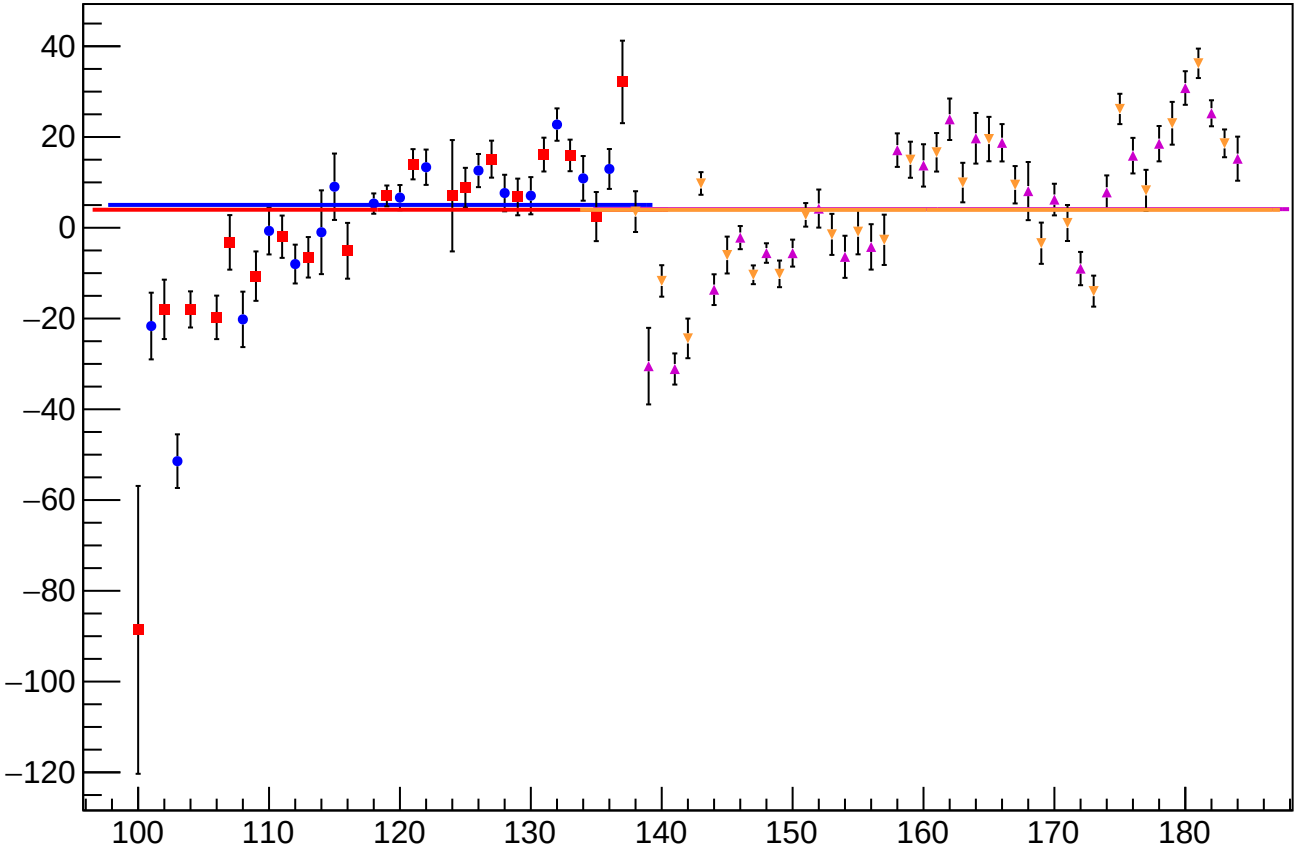
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

\+ sign 162.240+/-0.696 χ^2/NDF: 9168.7/39

All: 164.946+/-0.492 χ^2/NDF: 15837.5/81

\- sign 167.639+/-0.695 χ^2/NDF: 6638.6/41

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

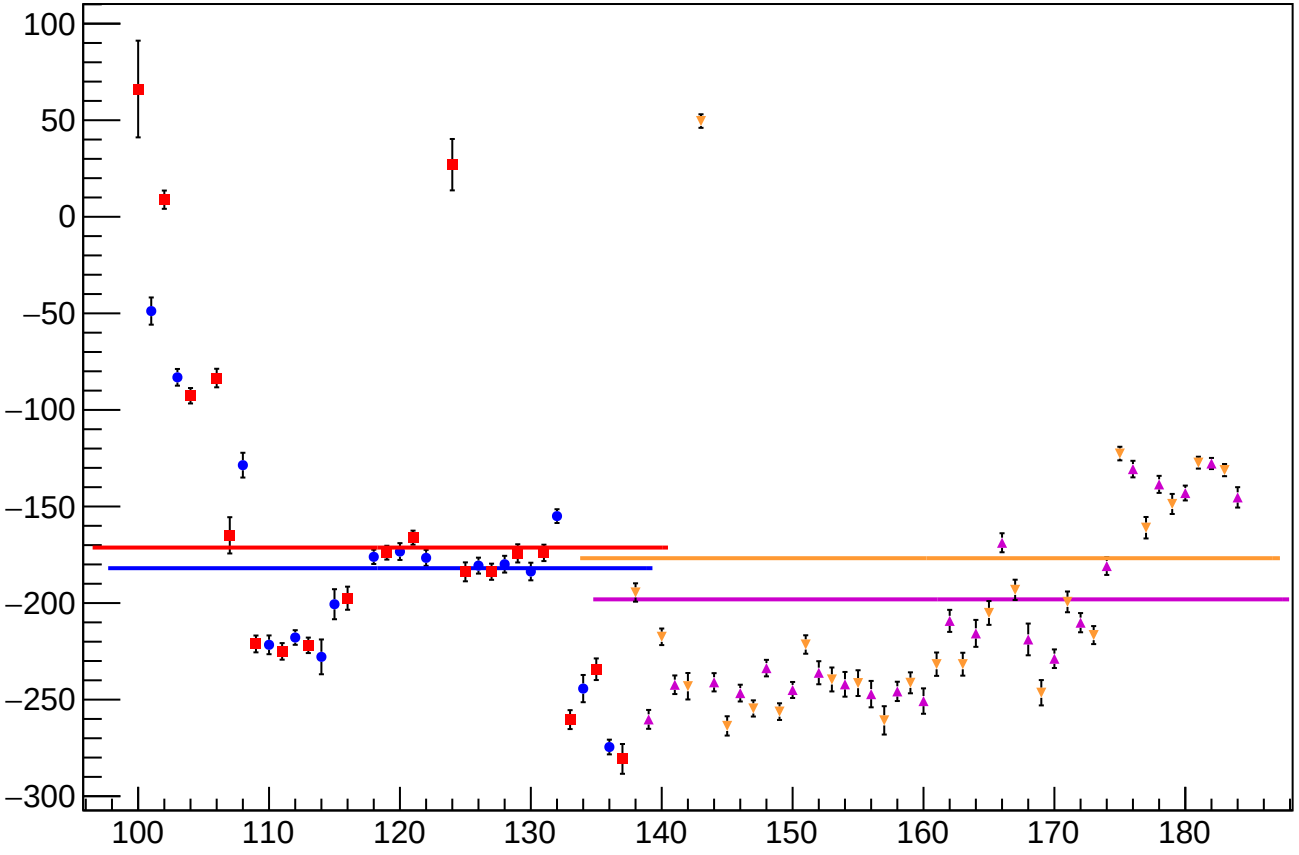
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 4.320+/-0.593 χ^2/NDF: 566.2/39

All: 4.192+/-0.426 χ^2/NDF: 1110.1/81

- sign 4.055+/-0.612 χ^2/NDF: 543.8/41

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

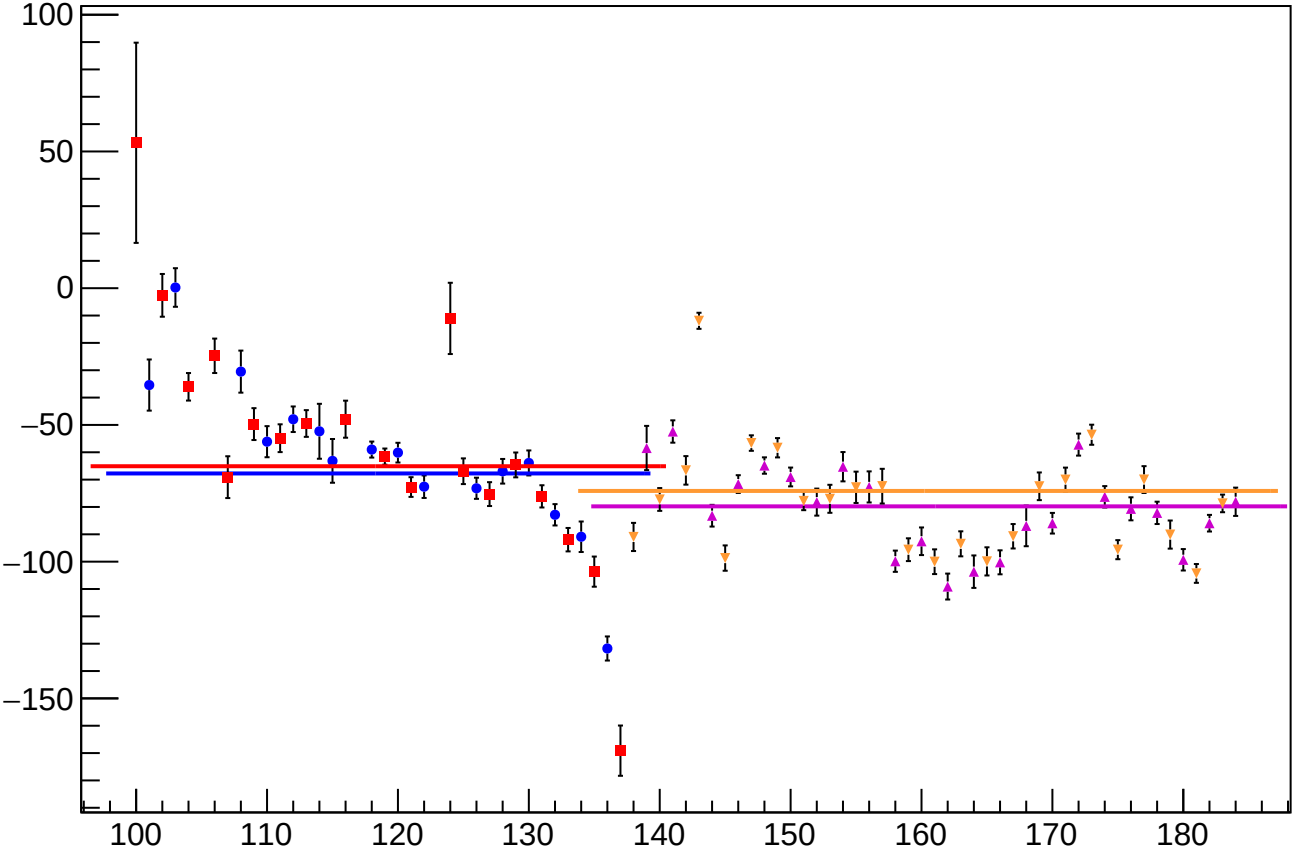
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -178.901+/-0.740 χ^2/NDF: 8906.9/39

All: -182.477+/-0.525 χ^2/NDF: 15290.2/81

- sign -186.082+/-0.743 χ^2/NDF: 6336.4/41

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

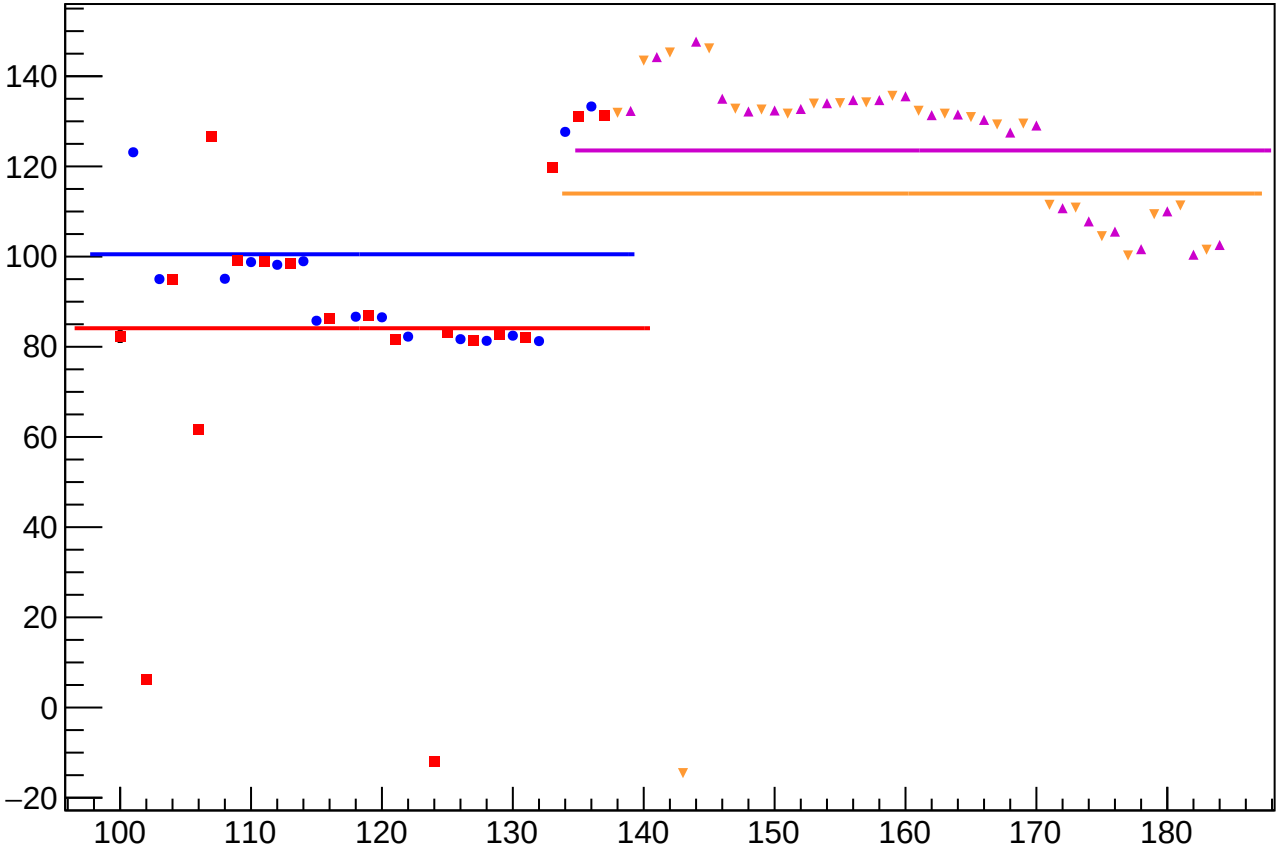
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -72.004+/-0.683 χ^2/NDF: 1258.2/39

All: -73.222+/-0.489 χ^2/NDF: 2072.1/81

- sign -74.503+/-0.699 χ^2/NDF: 807.4/41

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

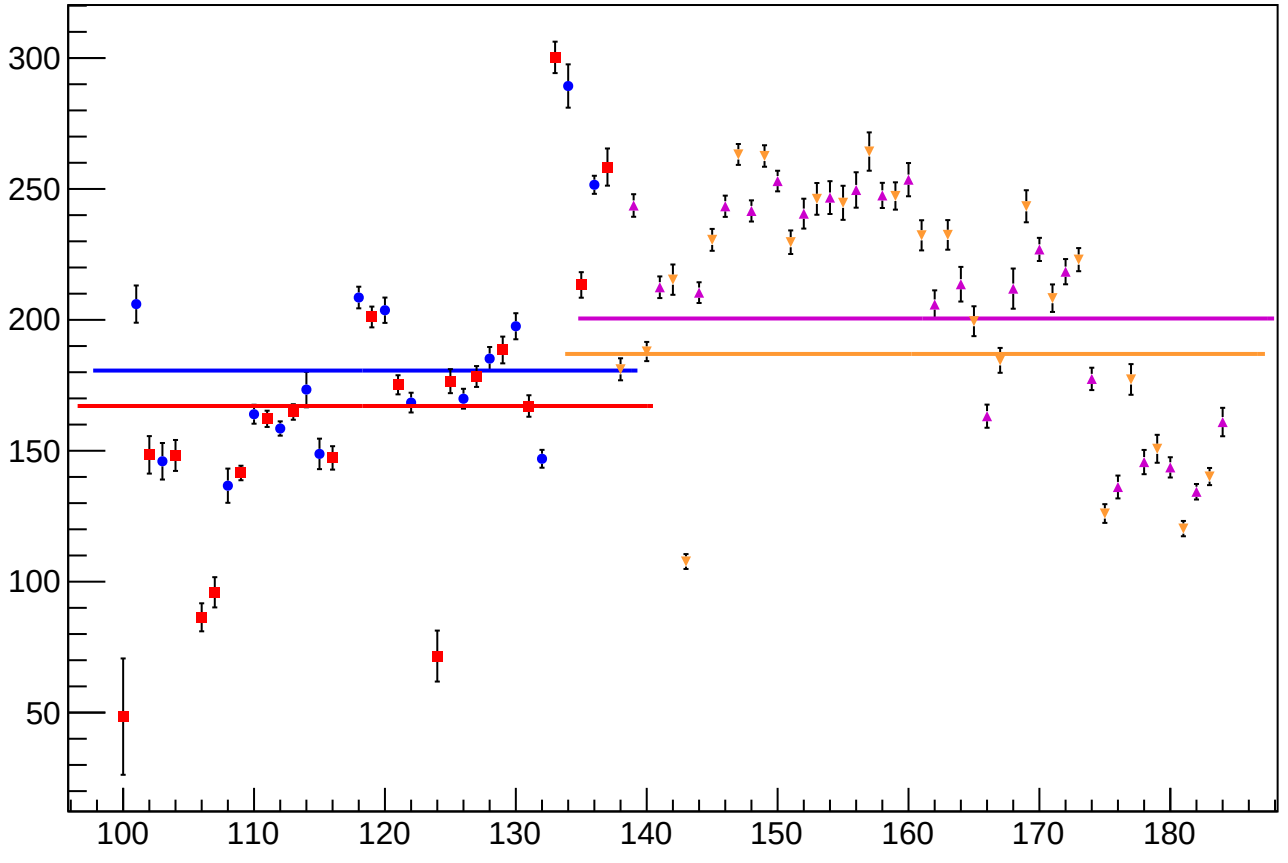
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

\+ sign 111.073+/-0.034 χ^2/NDF: 1054258.2/39

All: 112.441+/-0.024 χ^2/NDF: 1700218.1/81

\- sign 113.808+/-0.034 χ^2/NDF: 642795.7/41

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

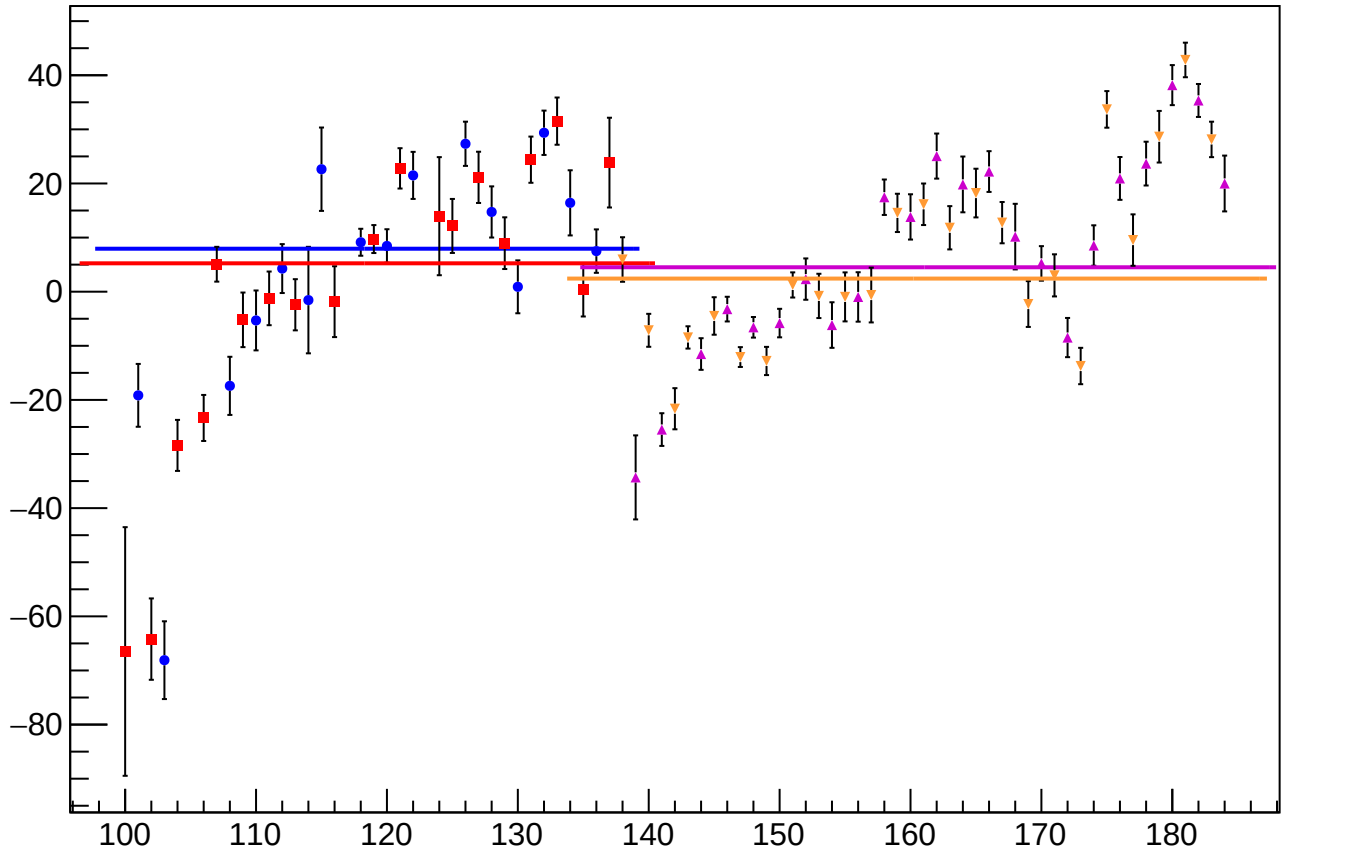
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 184.393+/-0.696 χ^2/NDF: 4502.5/39

All: 184.657+/-0.493 χ^2/NDF: 8670.3/81

- sign 184.923+/-0.697 χ^2/NDF: 4167.5/41



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

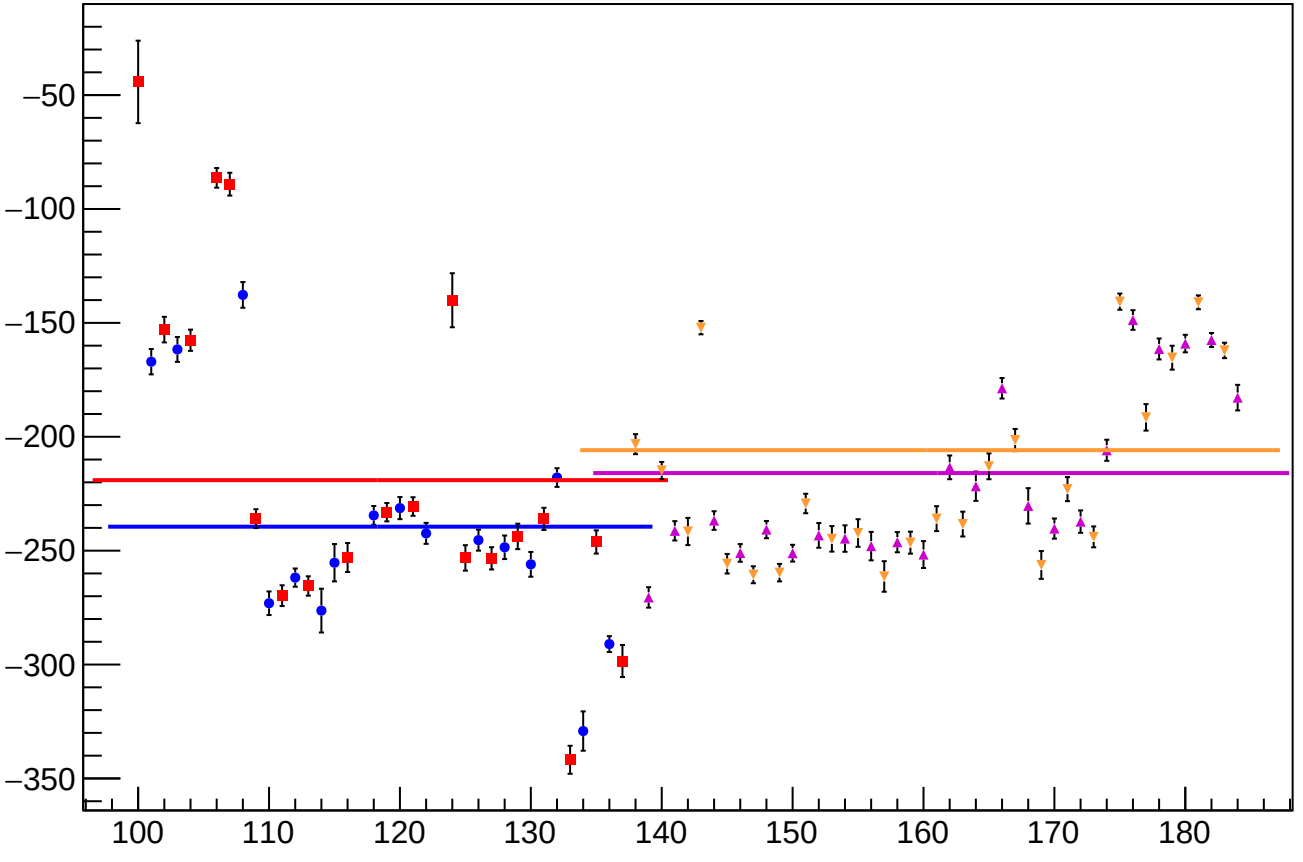
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 3.886+/-0.573 χ^2/NDF: 845.6/39

All: 4.299+/-0.412 χ^2/NDF: 1697.1/81

- sign 4.740+/-0.593 χ^2/NDF: 850.4/41

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

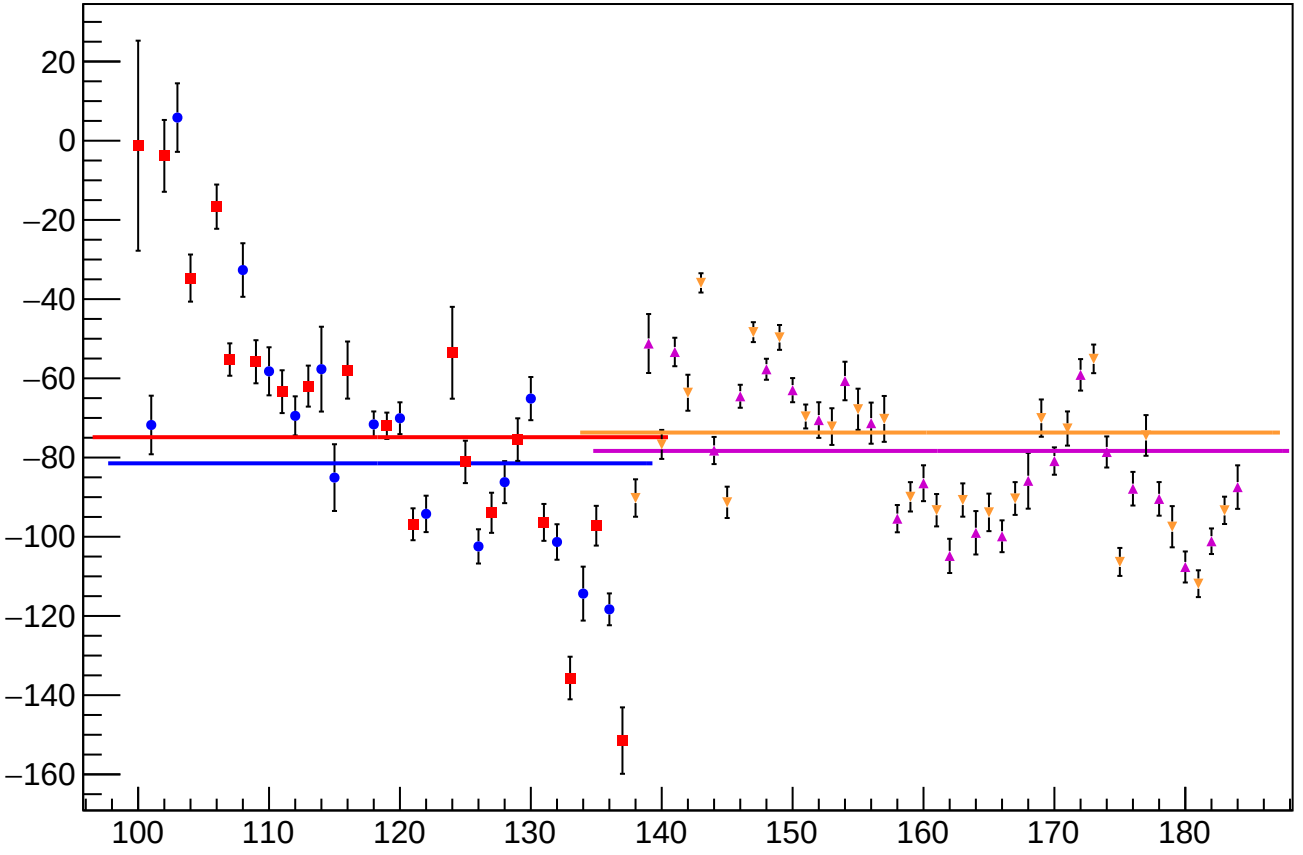
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -217.427+/-0.730 χ^2/NDF: 4060.7/39

All: -217.296+/-0.519 χ^2/NDF: 8826.3/81

- sign -217.161+/-0.737 χ^2/NDF: 4765.5/41

reg_asym_atl_dd_atr_dd_avg_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

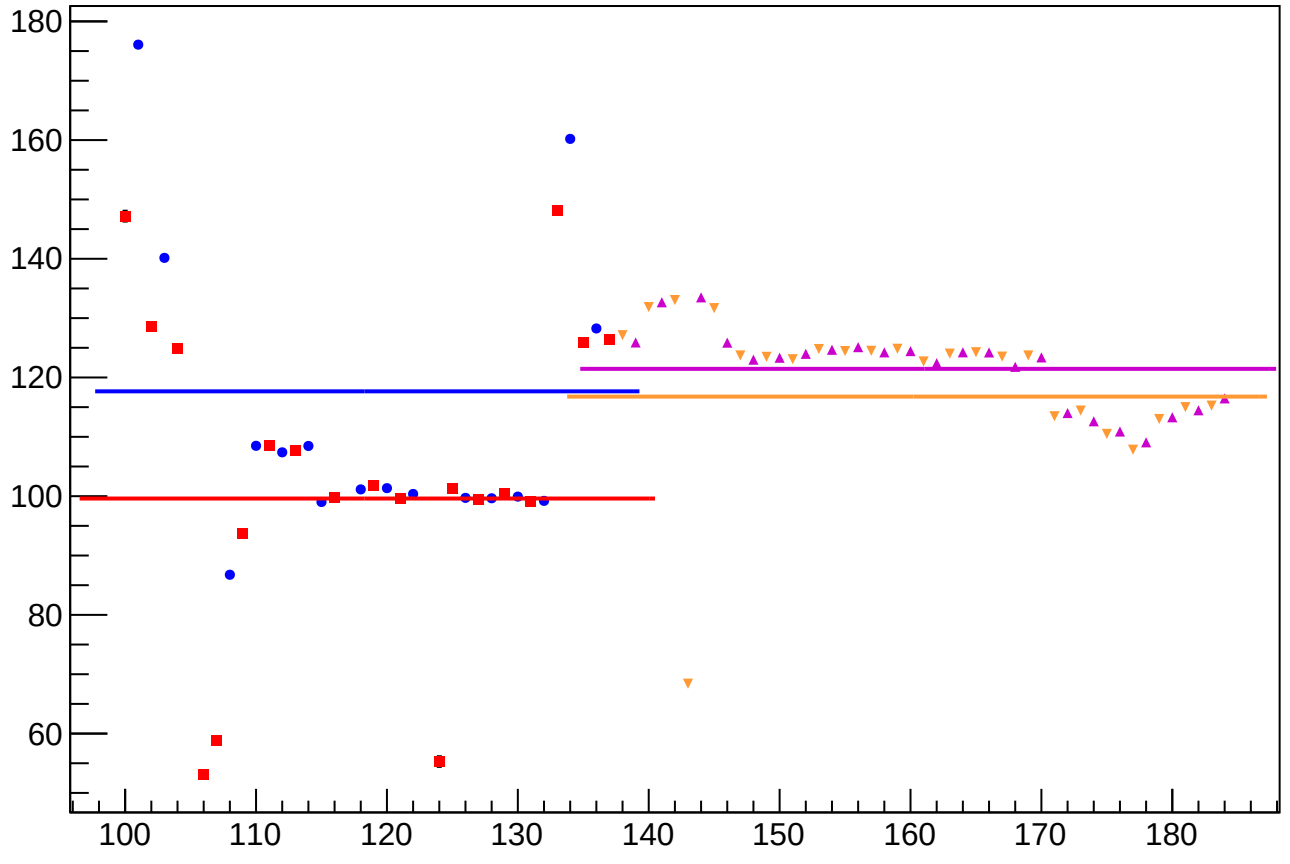
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -75.747+/-0.662 χ^2/NDF: 1221.3/39

All: -76.486+/-0.475 χ^2/NDF: 2249.3/81

- sign -77.267+/-0.681 χ^2/NDF: 1025.4/41



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

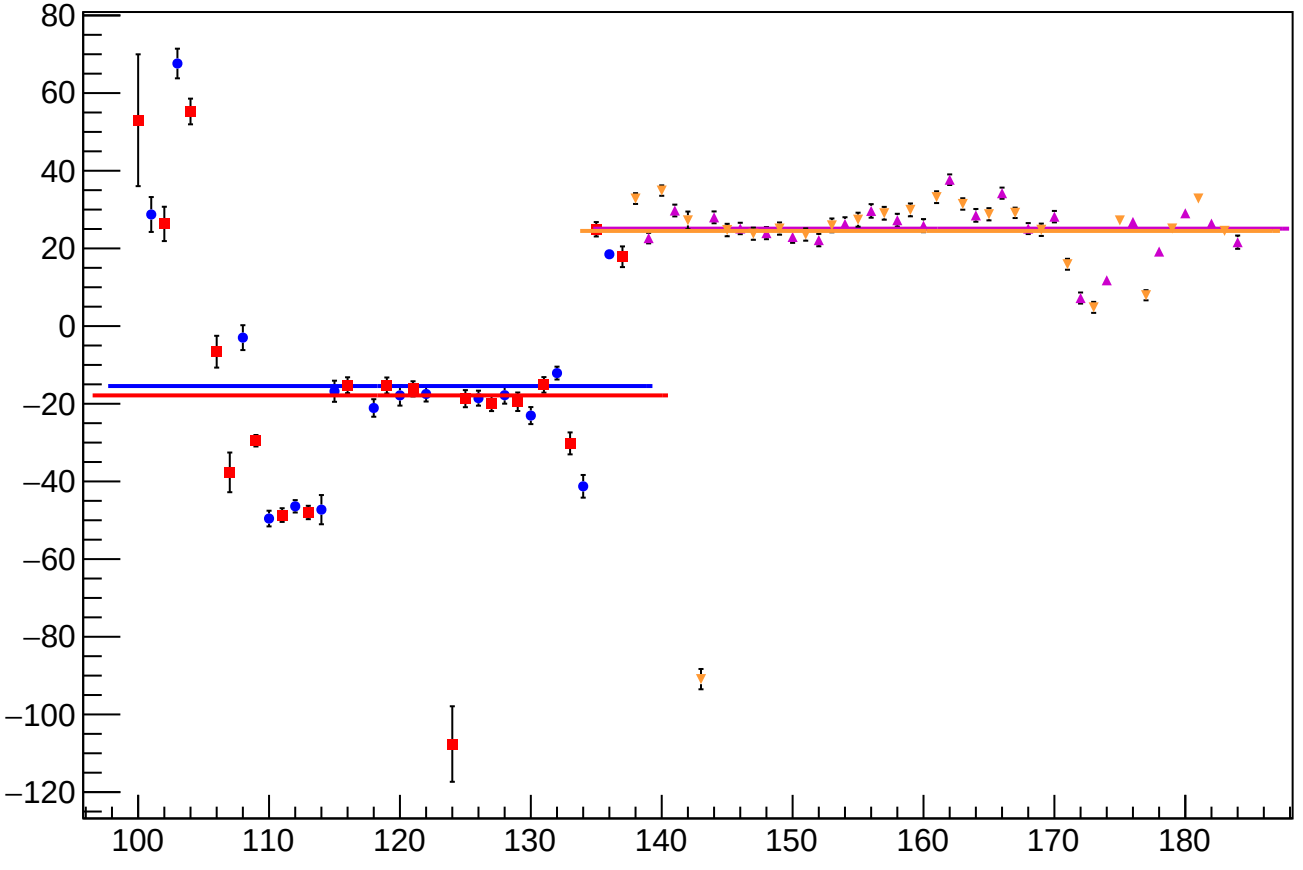
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 116.934+/-0.033 χ^2/NDF: 299098.0/39

All: 116.798+/-0.023 χ^2/NDF: 569575.6/81

\- sign 116.662+/-0.033 χ^2/NDF: 270443.2/41

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

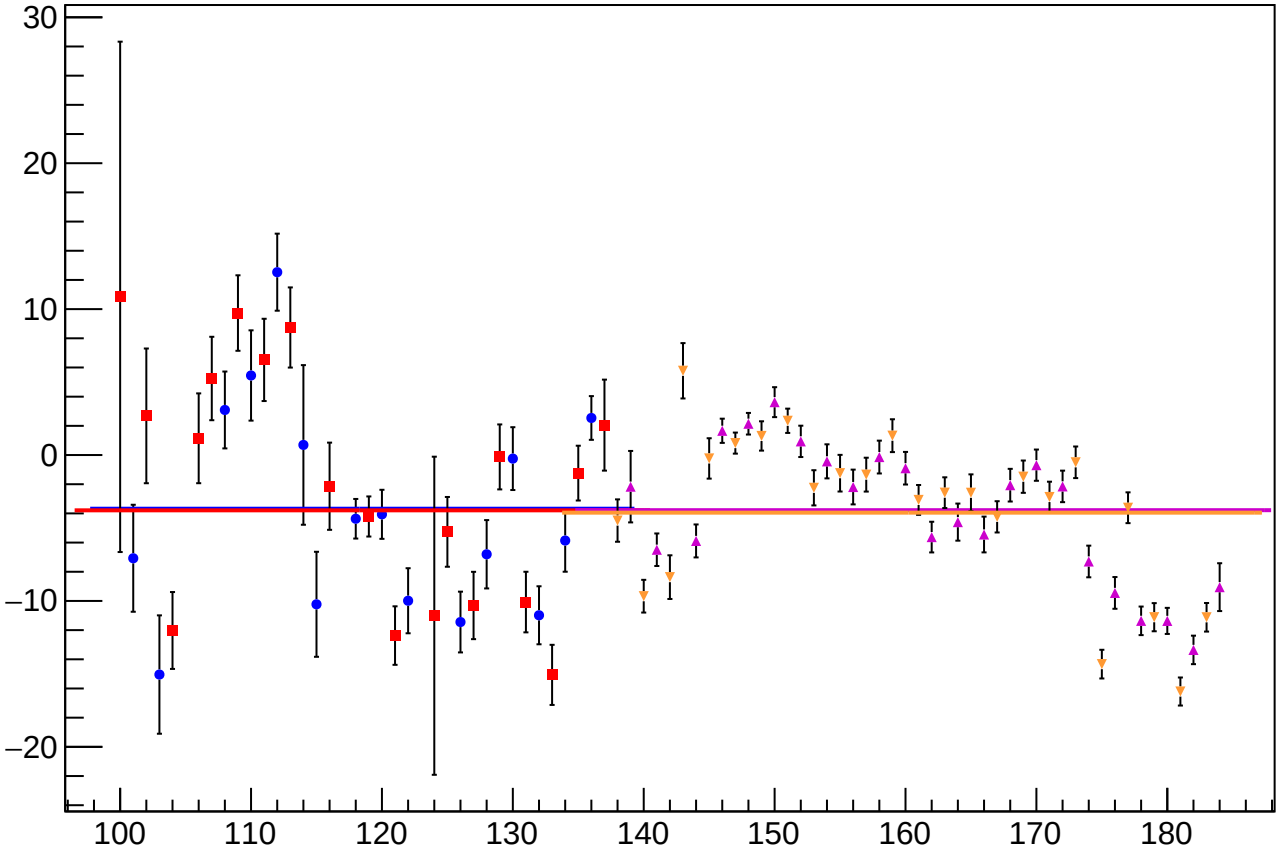
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.805+/-0.252 χ^2/NDF: 9053.4/39

All: 15.569+/-0.178 χ^2/NDF: 16754.4/81

- sign 15.332+/-0.252 χ^2/NDF: 7699.2/41

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

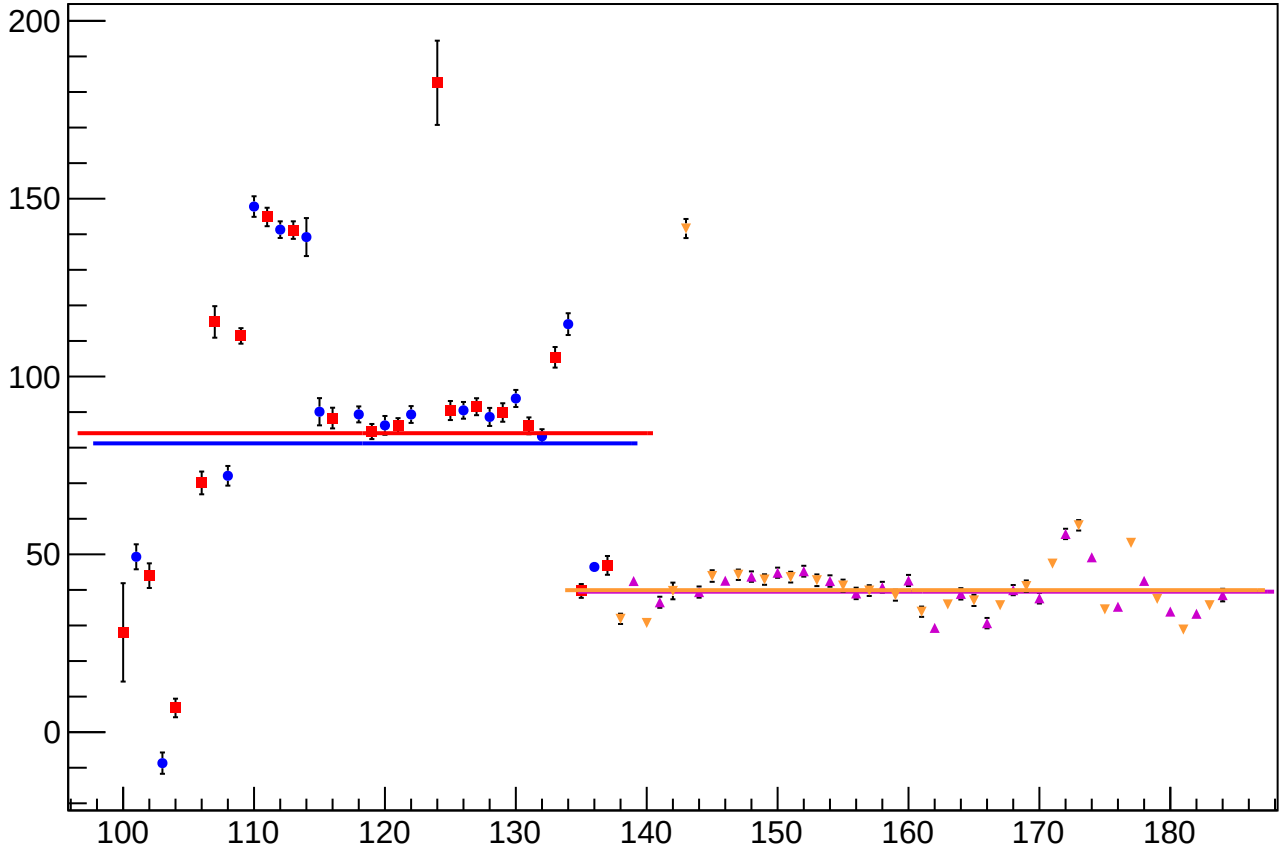
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.912+/-0.204 χ^2/NDF: 757.3/39

All: -3.848+/-0.146 χ^2/NDF: 1428.6/81

- sign -3.781+/-0.208 χ^2/NDF: 671.0/41

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 39.927+/-0.282 χ^2/NDF:2061.8/23

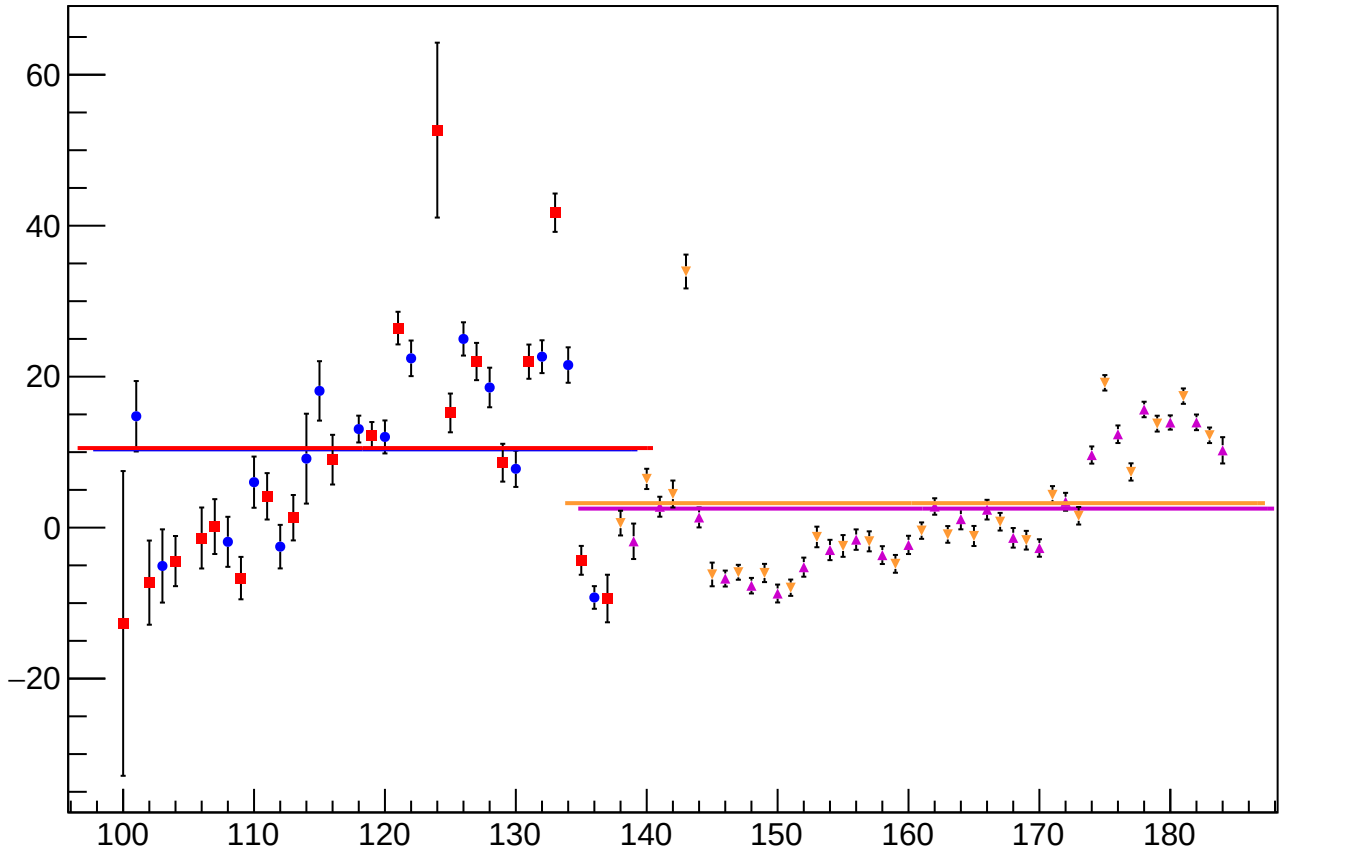
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 47.269+/-0.256 χ^2/NDF: 9093.0/39

All: 47.305+/-0.182 χ^2/NDF: 17040.3/81

- sign 47.342+/-0.258 χ^2/NDF: 7947.2/41



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 3.242+/-0.247 χ^2/NDF:1256.4/23

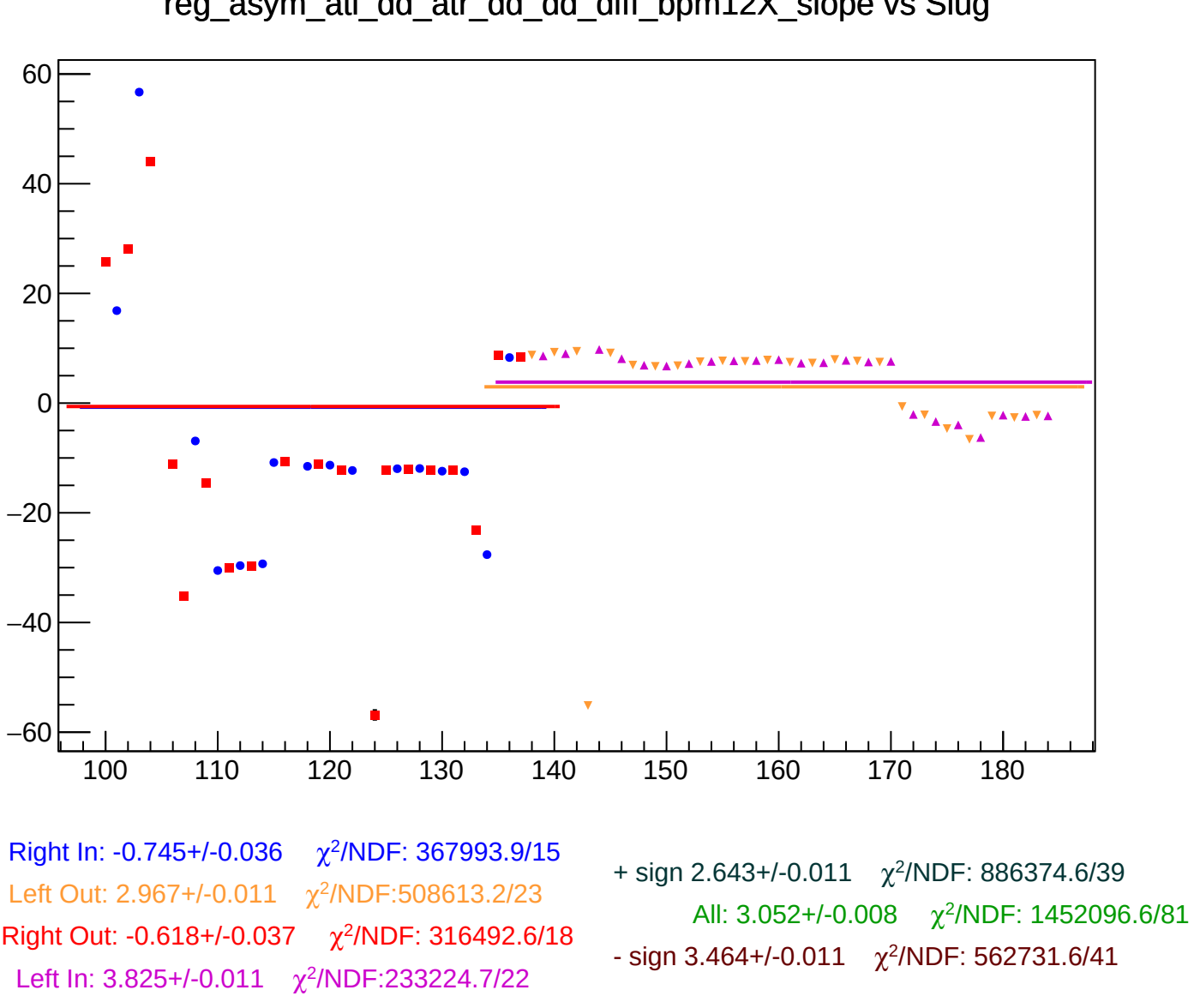
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

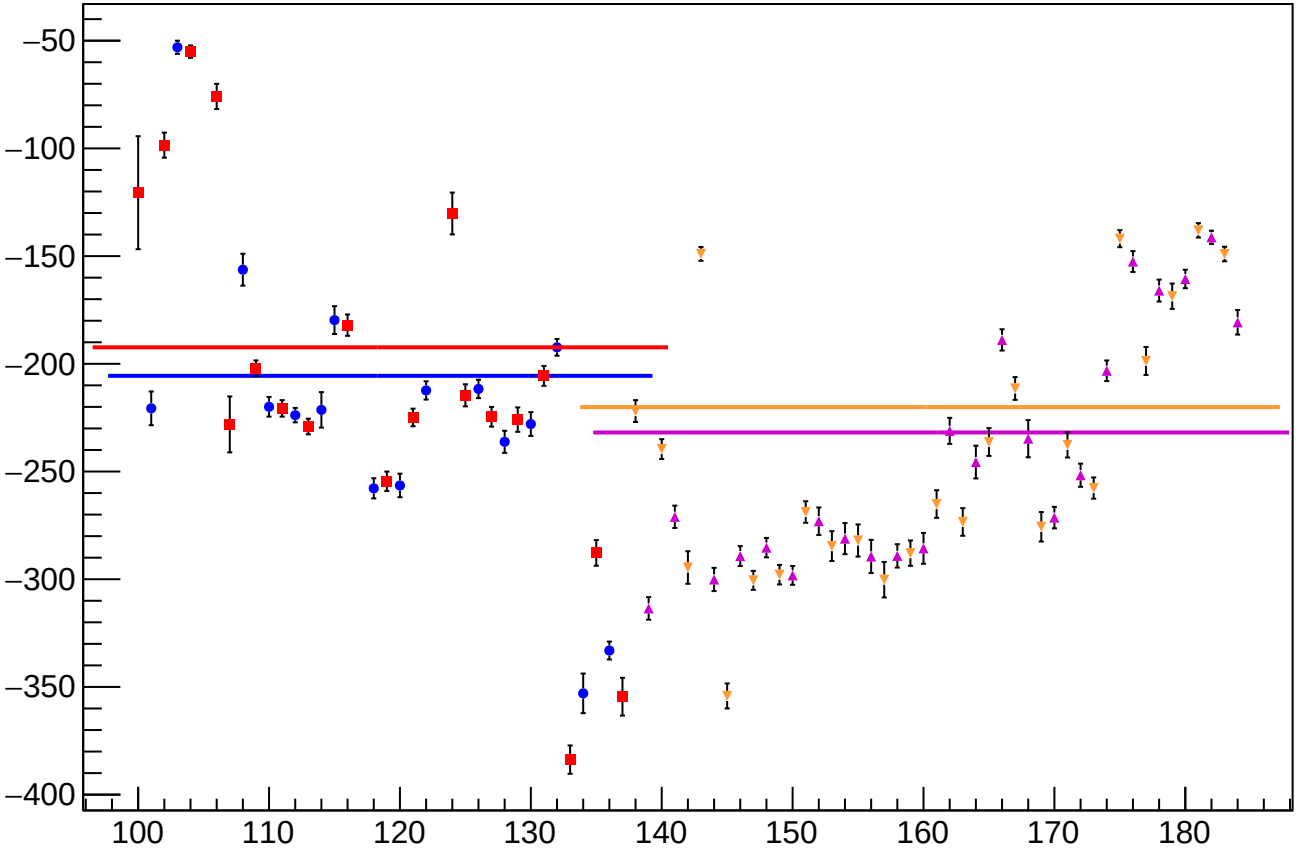
\+ sign 4.203+/-0.230 χ^2/NDF: 1728.0/39

All: 3.900+/-0.164 χ^2/NDF: 3306.5/81

\- sign 3.587+/-0.234 χ^2/NDF: 1574.9/41


reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: -0.745+/-0.036 χ²/NDF: 367993.9/15
Left Out: 2.967+/-0.011 χ²/NDF:508613.2/23
Right Out: -0.618+/-0.037 χ²/NDF: 316492.6/18
Left In: 3.825+/-0.011 χ²/NDF:233224.7/22
+ sign 2.643+/-0.011 χ²/NDF: 886374.6/39
All: 3.052+/-0.008 χ²/NDF: 1452096.6/81
- sign 3.464+/-0.011 χ²/NDF: 562731.6/41

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -220.088+/-1.028 χ^2/NDF:4031.3/23

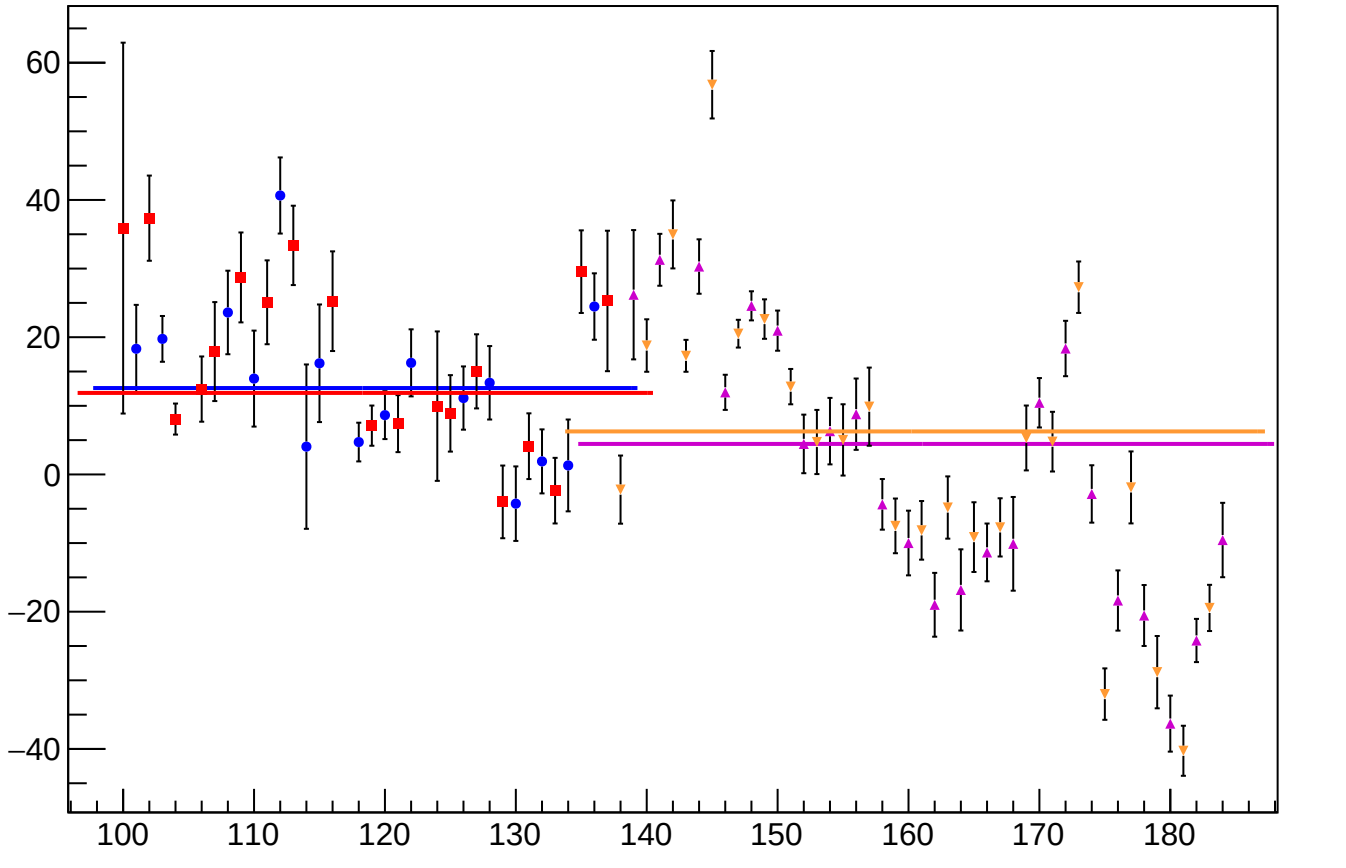
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -213.858+/-0.776 χ^2/NDF: 8173.0/39

All: -213.393+/-0.549 χ^2/NDF: 16949.5/81

- sign -212.926+/-0.777 χ^2/NDF: 8775.8/41



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 6.270+/-0.758 χ^2/NDF:717.4/23

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

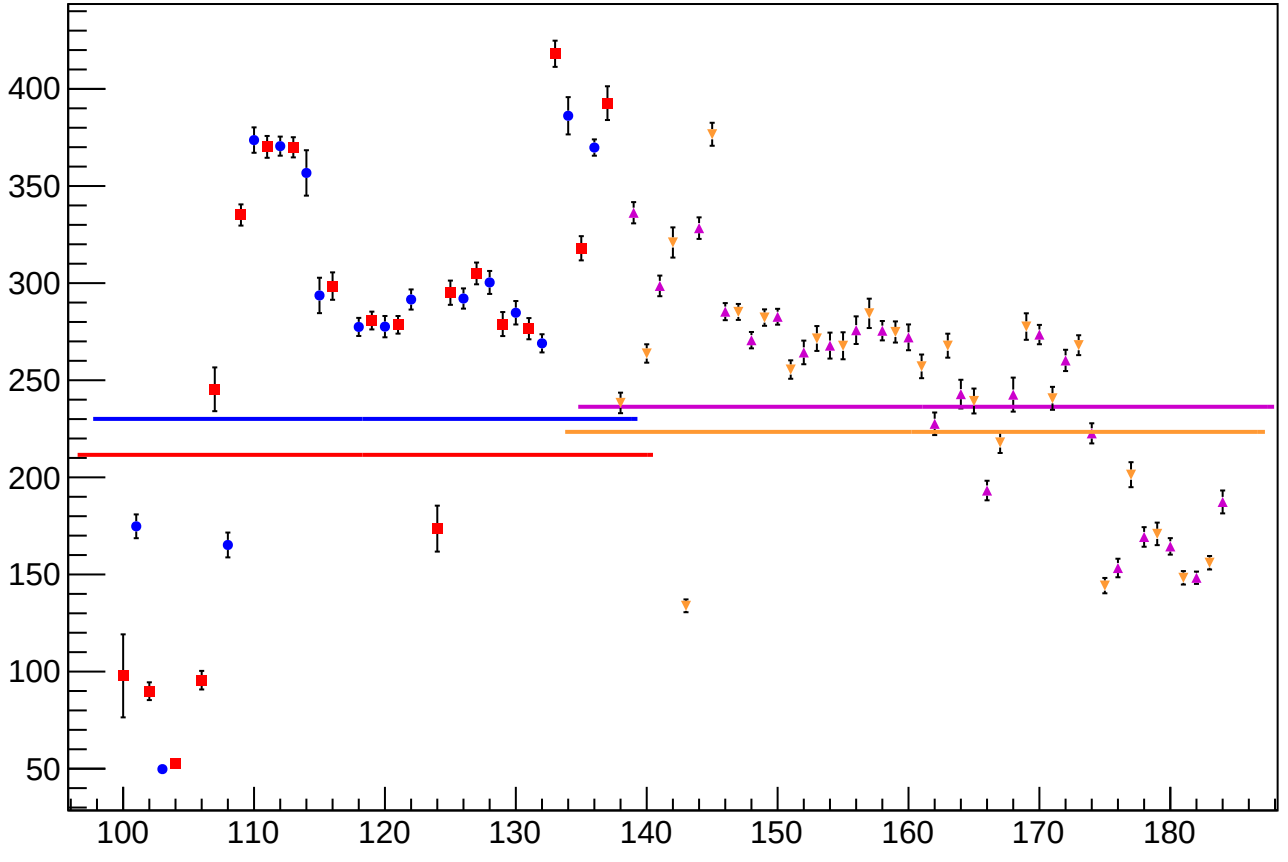
Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 8.066+/-0.641 χ^2/NDF: 805.6/39

All: 7.536+/-0.458 χ^2/NDF: 1488.0/81

- sign 6.982+/-0.655 χ^2/NDF: 680.9/41

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 223.420+/-1.022 χ^2/NDF:3938.6/23

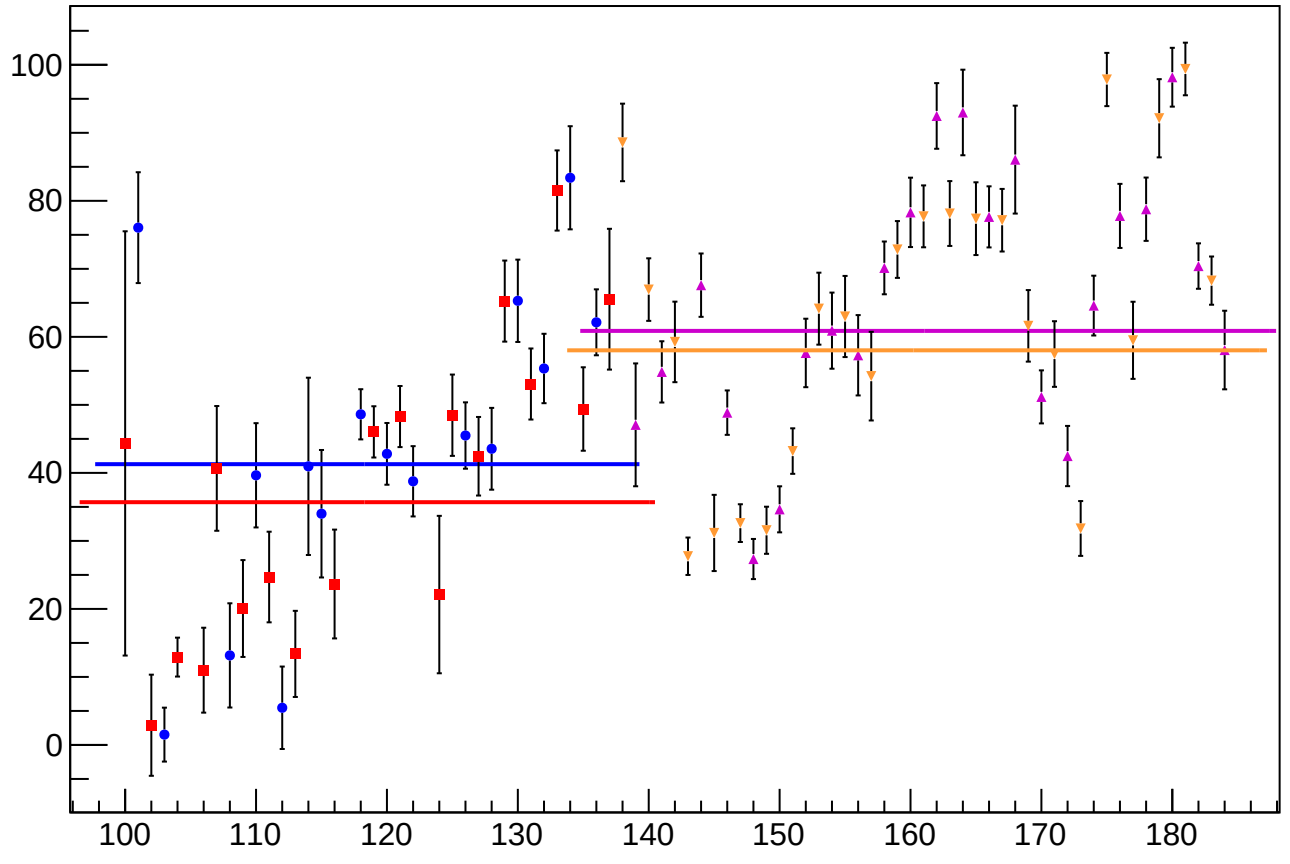
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 226.071+/-0.794 χ^2/NDF: 13331.2/39

All: 225.721+/-0.562 χ^2/NDF: 28035.4/81

- sign 225.370+/-0.796 χ^2/NDF: 14703.9/41



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

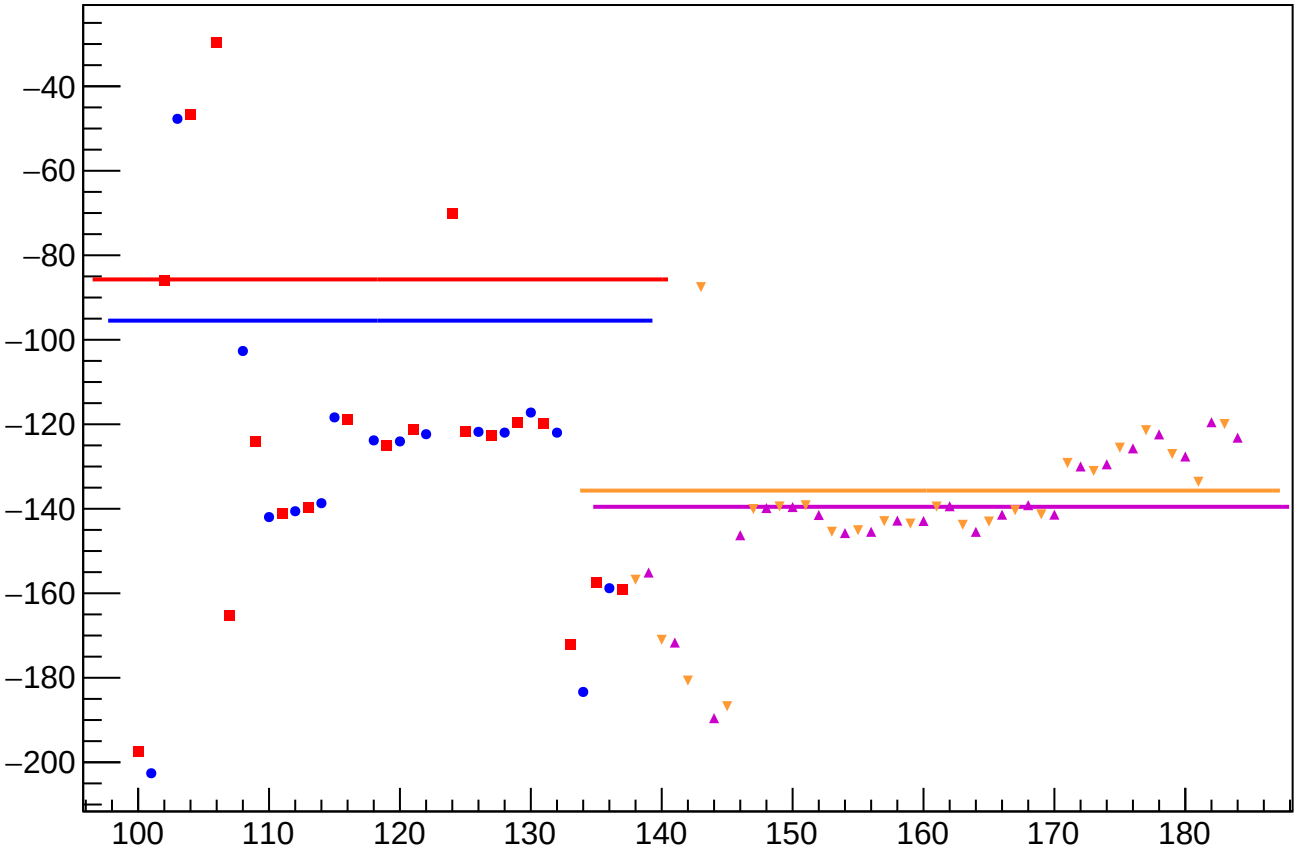
Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 53.306+/-0.742 χ^2/NDF: 1073.4/39

All: 52.953+/-0.529 χ^2/NDF: 2027.1/81

- sign 52.586+/-0.756 χ^2/NDF: 953.2/41

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



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

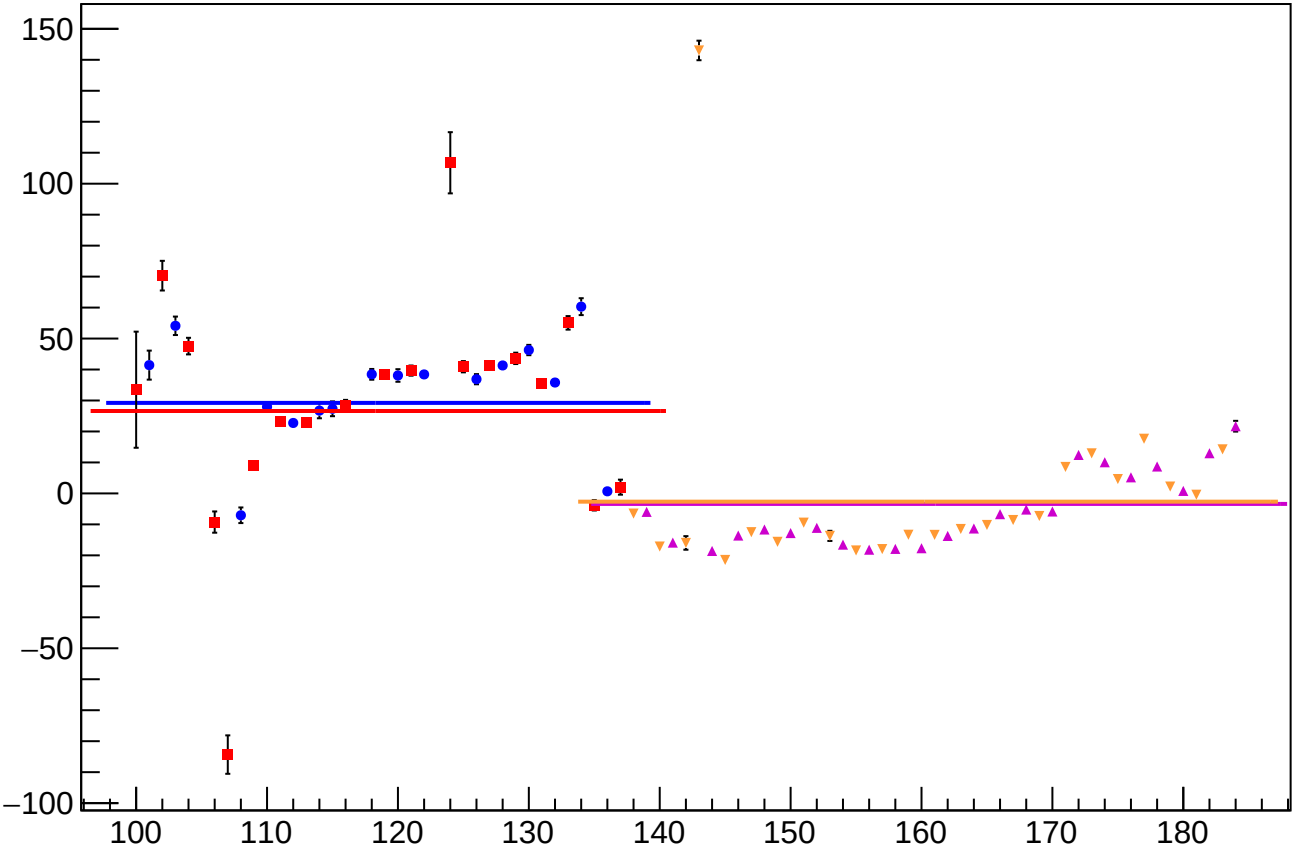
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.280+/-0.035 χ^2/NDF: 1027526.7/39

All: -124.783+/-0.025 χ^2/NDF: 2088002.7/81

- sign -124.278+/-0.036 χ^2/NDF: 1060077.3/41

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

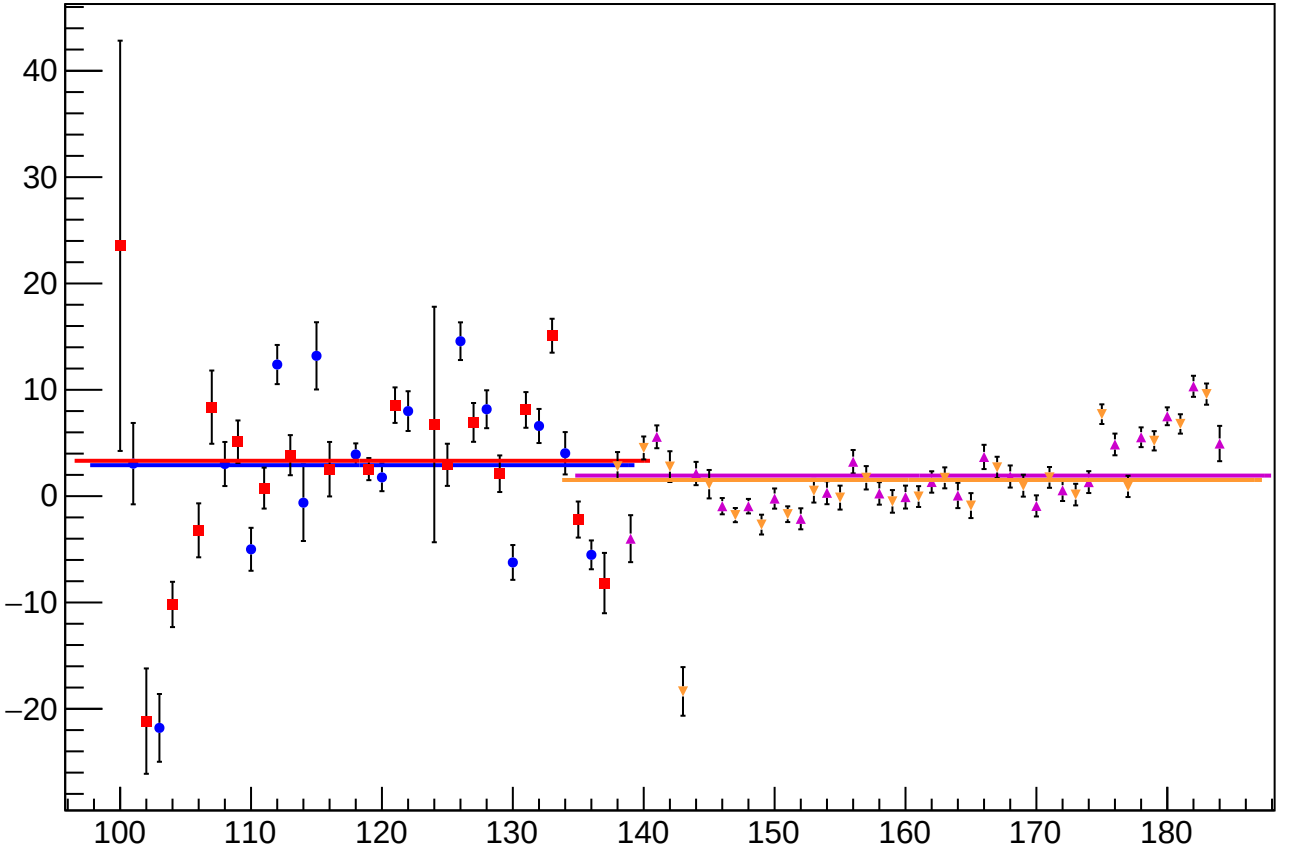
Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 6.470+/-0.227 χ^2/NDF: 9269.1/39

All: 6.044+/-0.161 χ^2/NDF: 16622.1/81

- sign 5.619+/-0.227 χ^2/NDF: 7346.0/41

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.521+/-0.206 χ^2/NDF:326.5/23

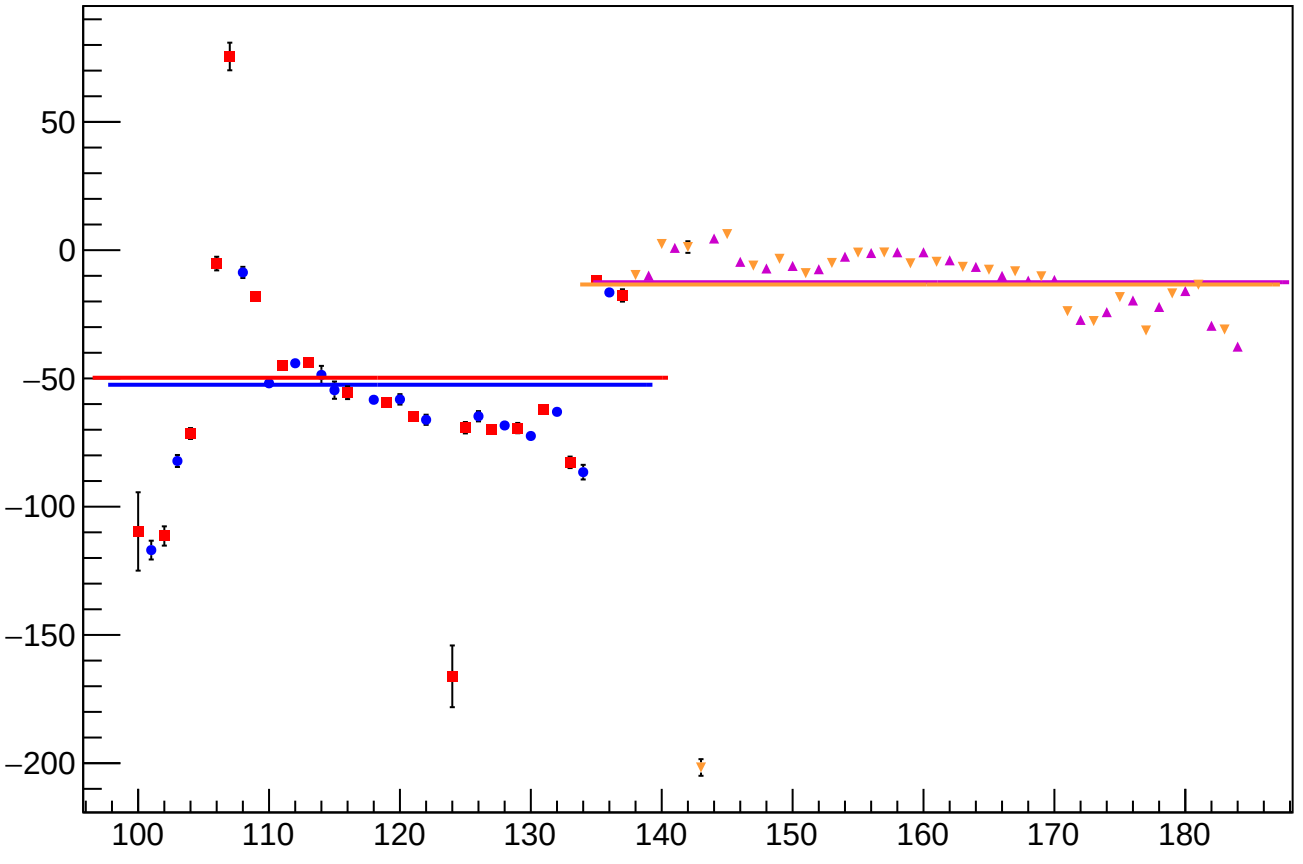
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.769+/-0.187 χ^2/NDF: 584.6/39

All: 1.970+/-0.134 χ^2/NDF: 1017.2/81

- sign 2.180+/-0.191 χ^2/NDF: 430.2/41



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.375+/-0.267 χ^2/NDF:4832.3/23

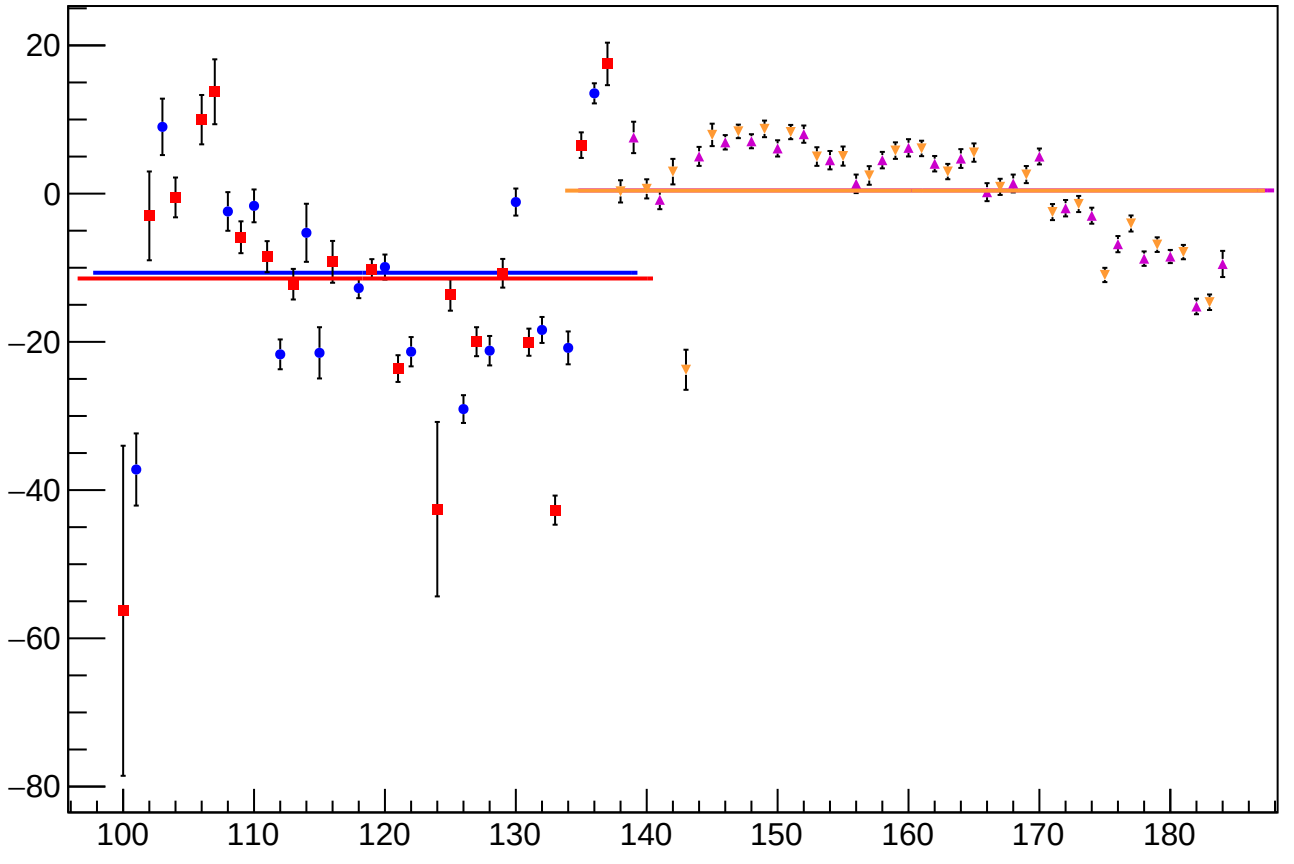
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -22.362+/-0.234 χ^2/NDF: 12108.7/39

All: -21.685+/-0.166 χ^2/NDF: 20950.3/81

- sign -20.995+/-0.236 χ^2/NDF: 8824.7/41



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.408+/-0.233 χ^2/NDF:916.3/23

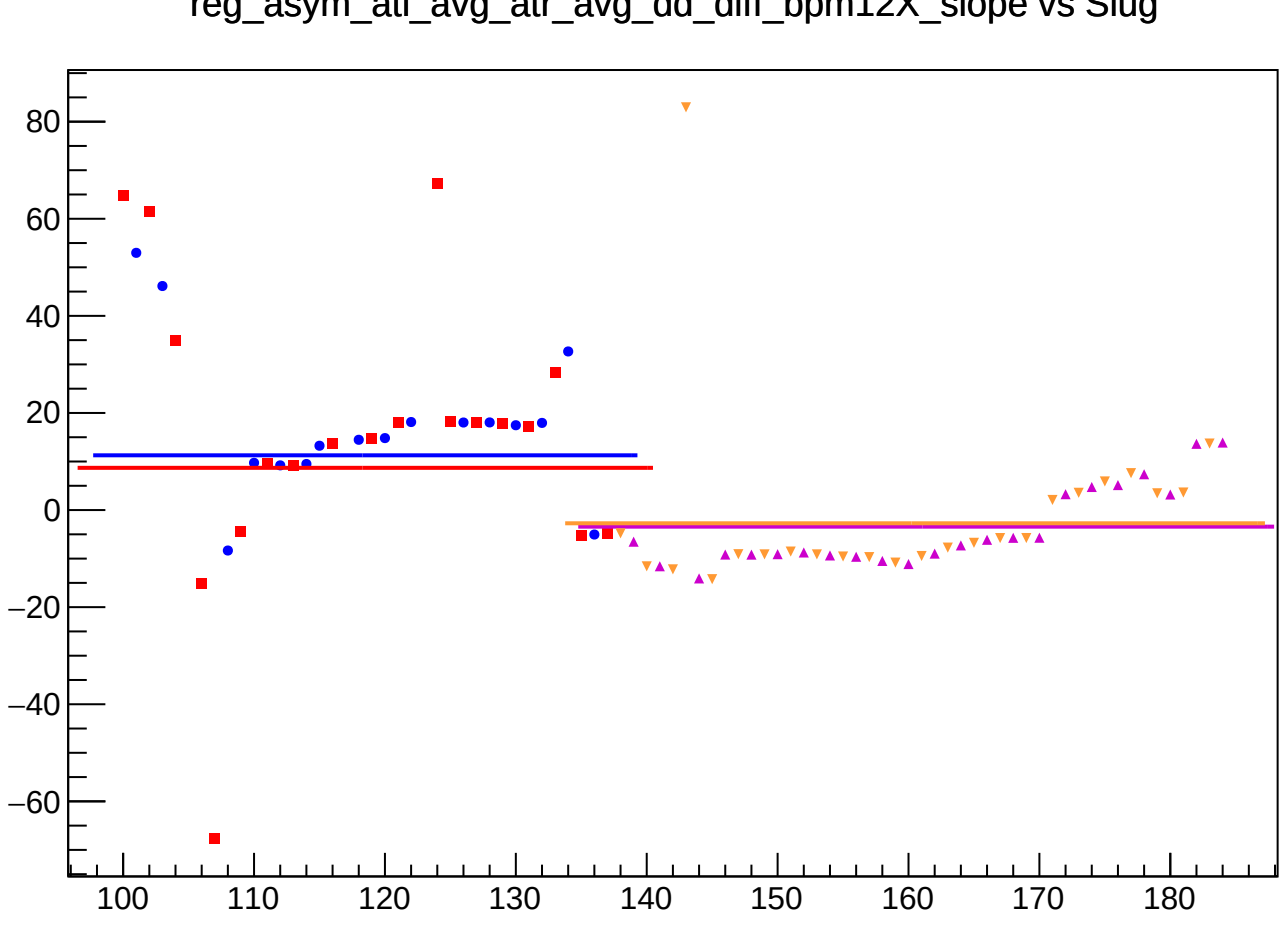
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.532+/-0.212 χ^2/NDF: 1979.3/39

All: -1.581+/-0.151 χ^2/NDF: 3865.3/81

\- sign -1.632+/-0.215 χ^2/NDF: 1885.9/41



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

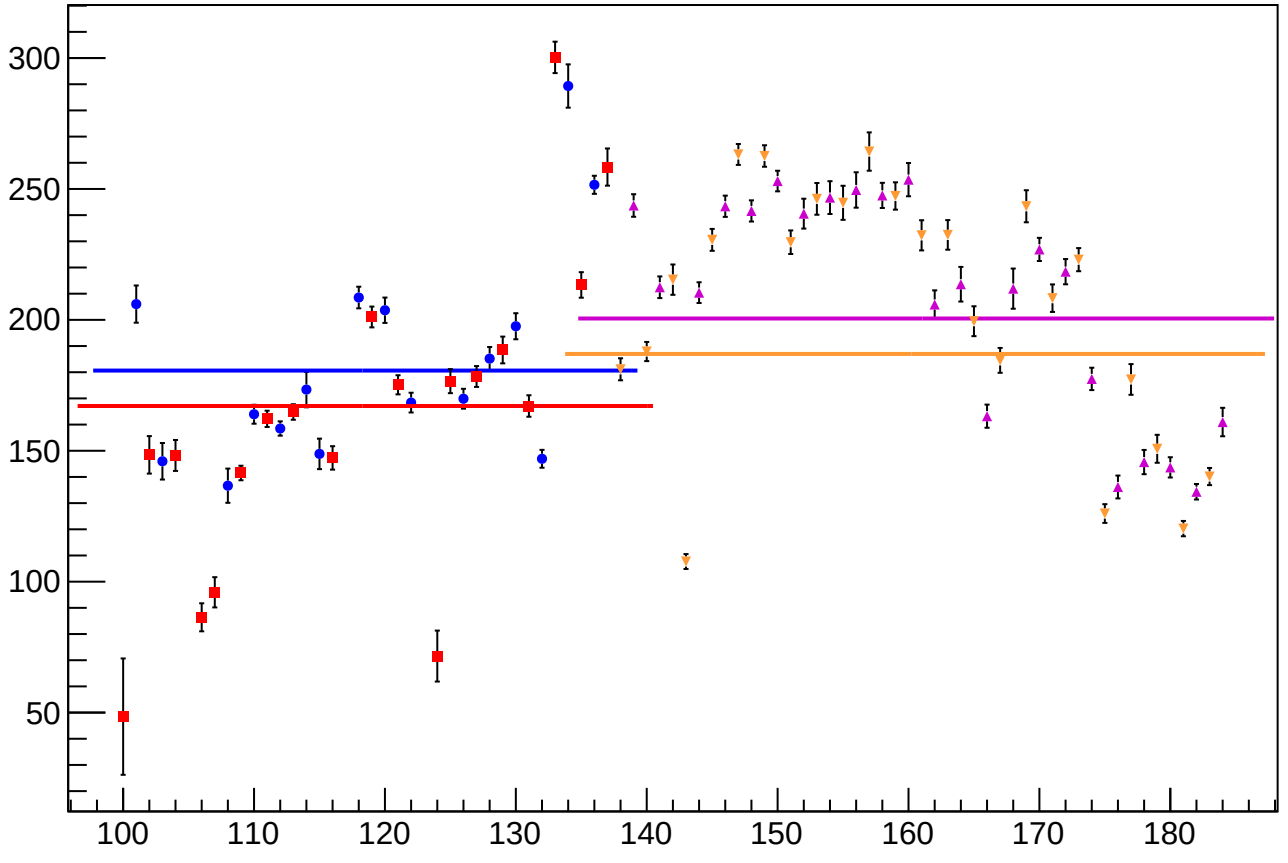
Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

\+ sign -1.205+/-0.010 χ^2/NDF: 1467571.8/39

All: -1.707+/-0.007 χ^2/NDF: 2589647.0/81

\- sign -2.214+/-0.010 χ^2/NDF: 1116866.1/41

reg_asym_at1_avg_at2_avg_dd_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

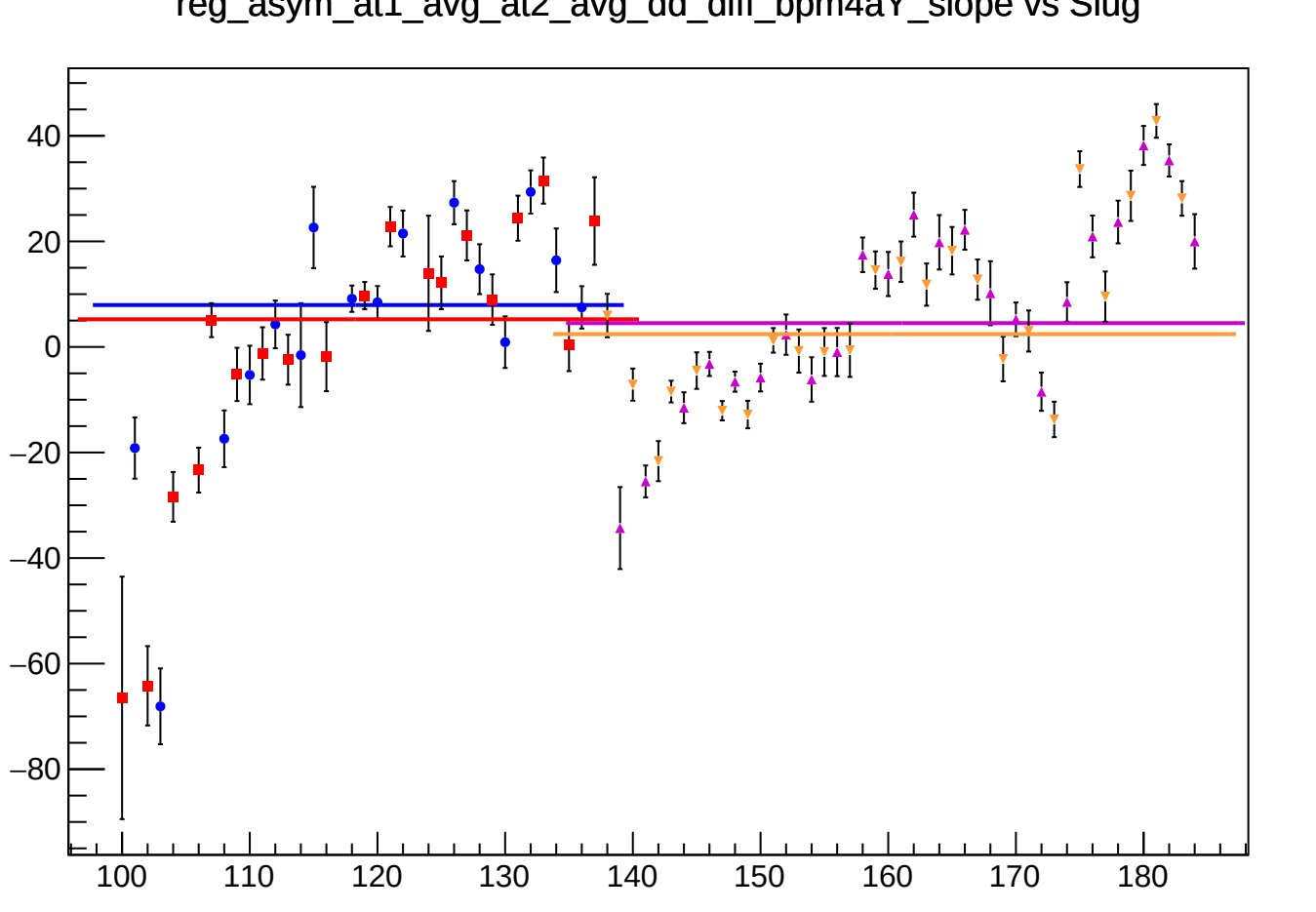
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

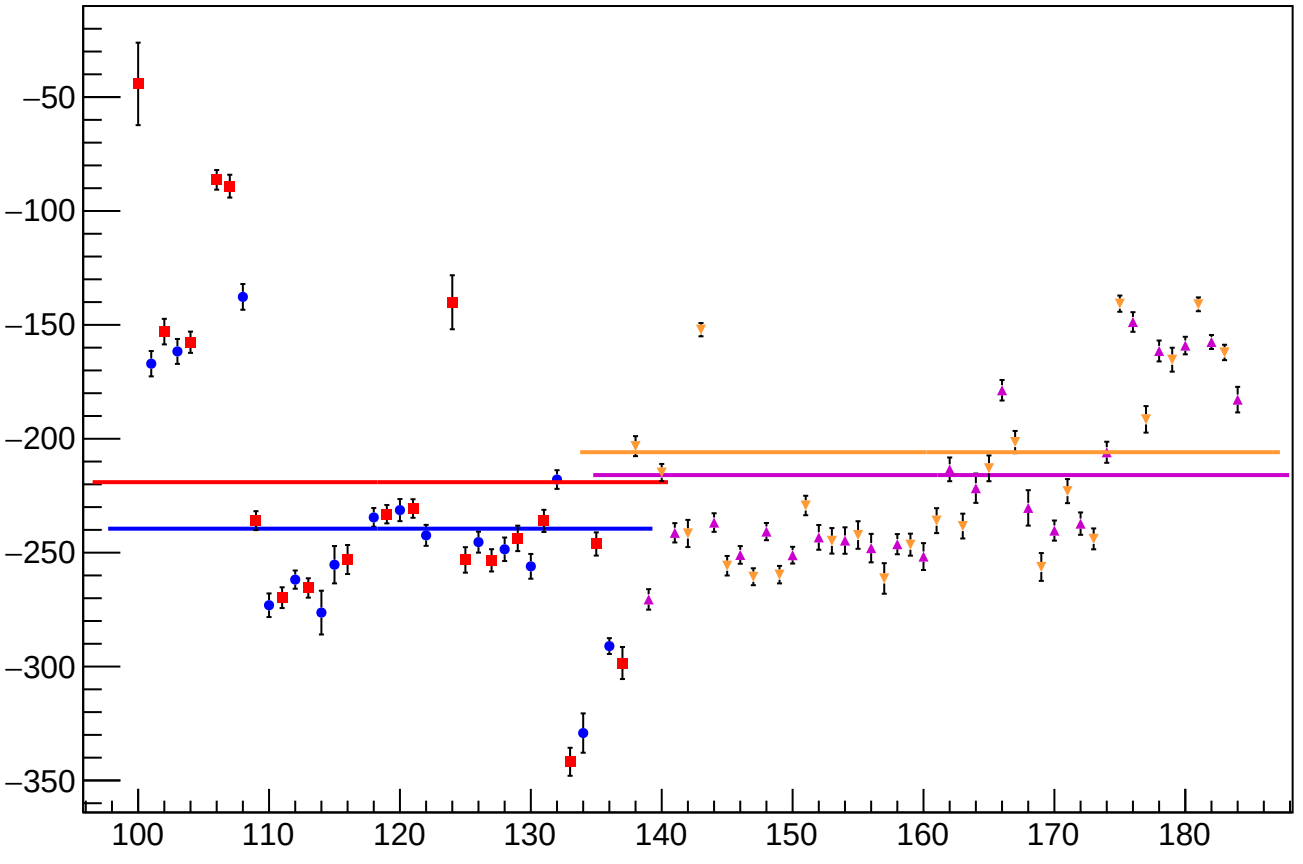
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 184.393+/-0.696 χ^2/NDF: 4502.5/39

All: 184.657+/-0.493 χ^2/NDF: 8670.3/81

- sign 184.923+/-0.697 χ^2/NDF: 4167.5/41


reg_asym_at1_avg_at2_avg_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
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
+ sign 3.886+/-0.573 χ²/NDF: 845.6/39
All: 4.299+/-0.412 χ²/NDF: 1697.1/81
- sign 4.740+/-0.593 χ²/NDF: 850.4/41



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -205.890+/-0.901 χ^2/NDF:2421.3/23

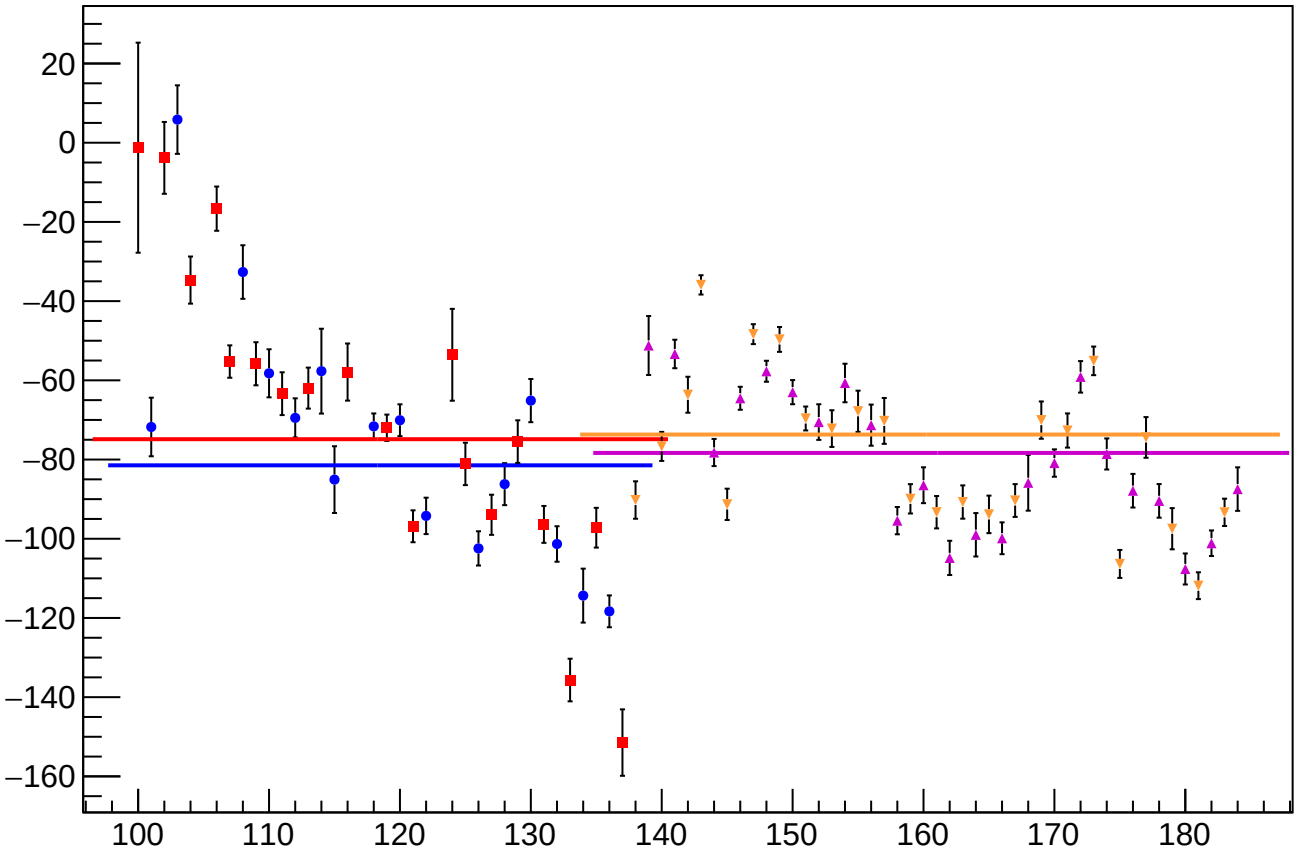
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -217.427+/-0.730 χ^2/NDF: 4060.7/39

All: -217.296+/-0.519 χ^2/NDF: 8826.3/81

- sign -217.161+/-0.737 χ^2/NDF: 4765.5/41



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -73.689+/-0.772 χ^2/NDF:828.0/23

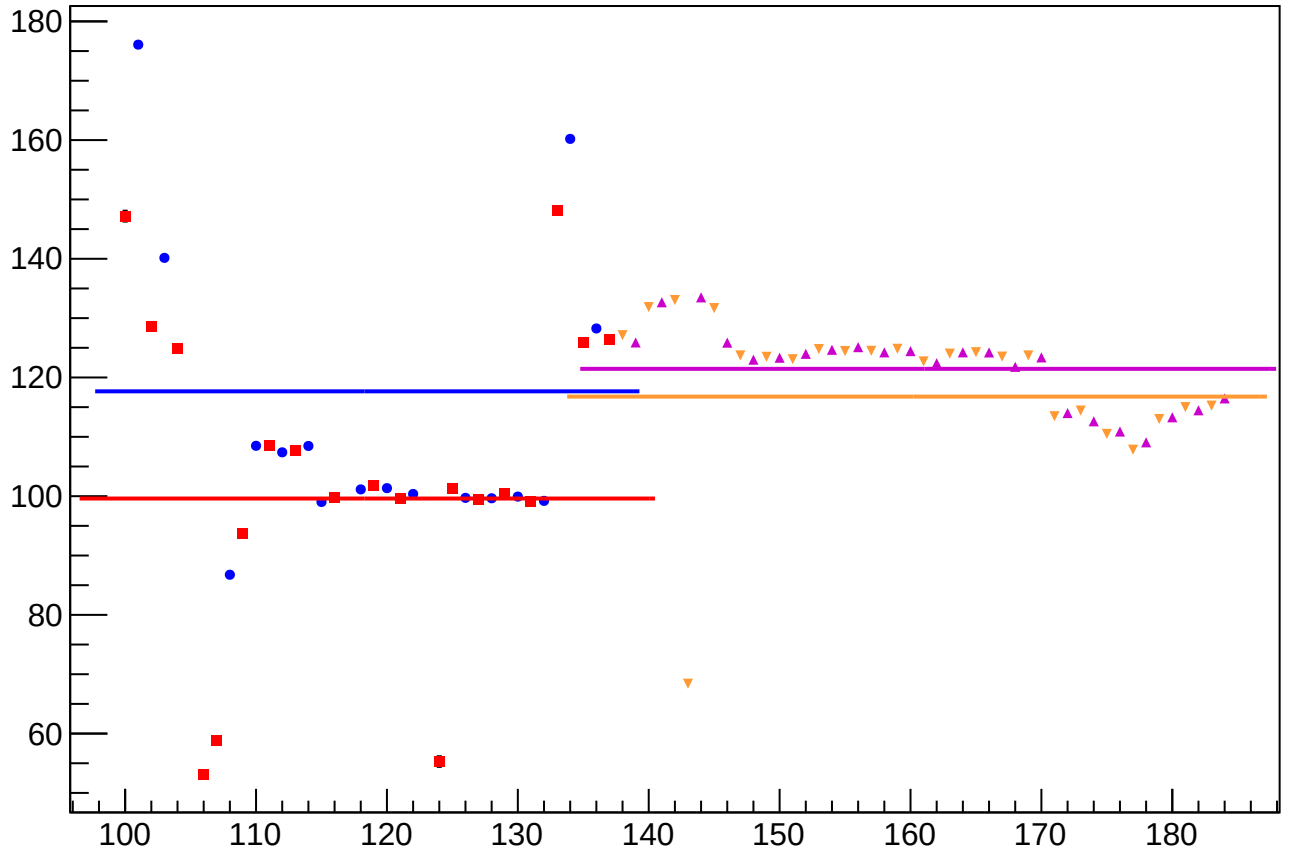
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -75.747+/-0.662 χ^2/NDF: 1221.3/39

All: -76.486+/-0.475 χ^2/NDF: 2249.3/81

- sign -77.267+/-0.681 χ^2/NDF: 1025.4/41



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

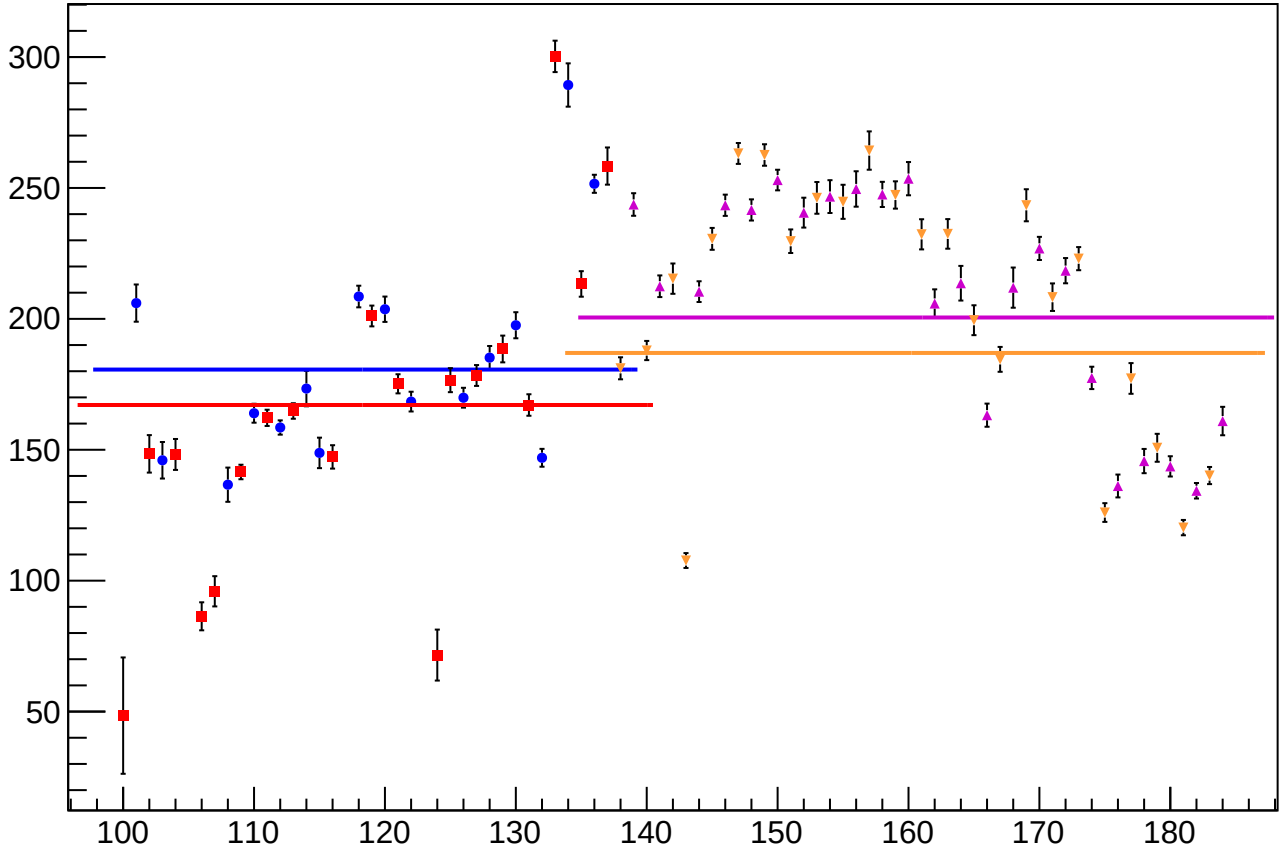
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.934+/-0.033 χ^2/NDF: 299098.0/39

All: 116.798+/-0.023 χ^2/NDF: 569575.6/81

- sign 116.662+/-0.033 χ^2/NDF: 270443.2/41

reg_asym_atl1r2_dd_atl2r1_dd_dd_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

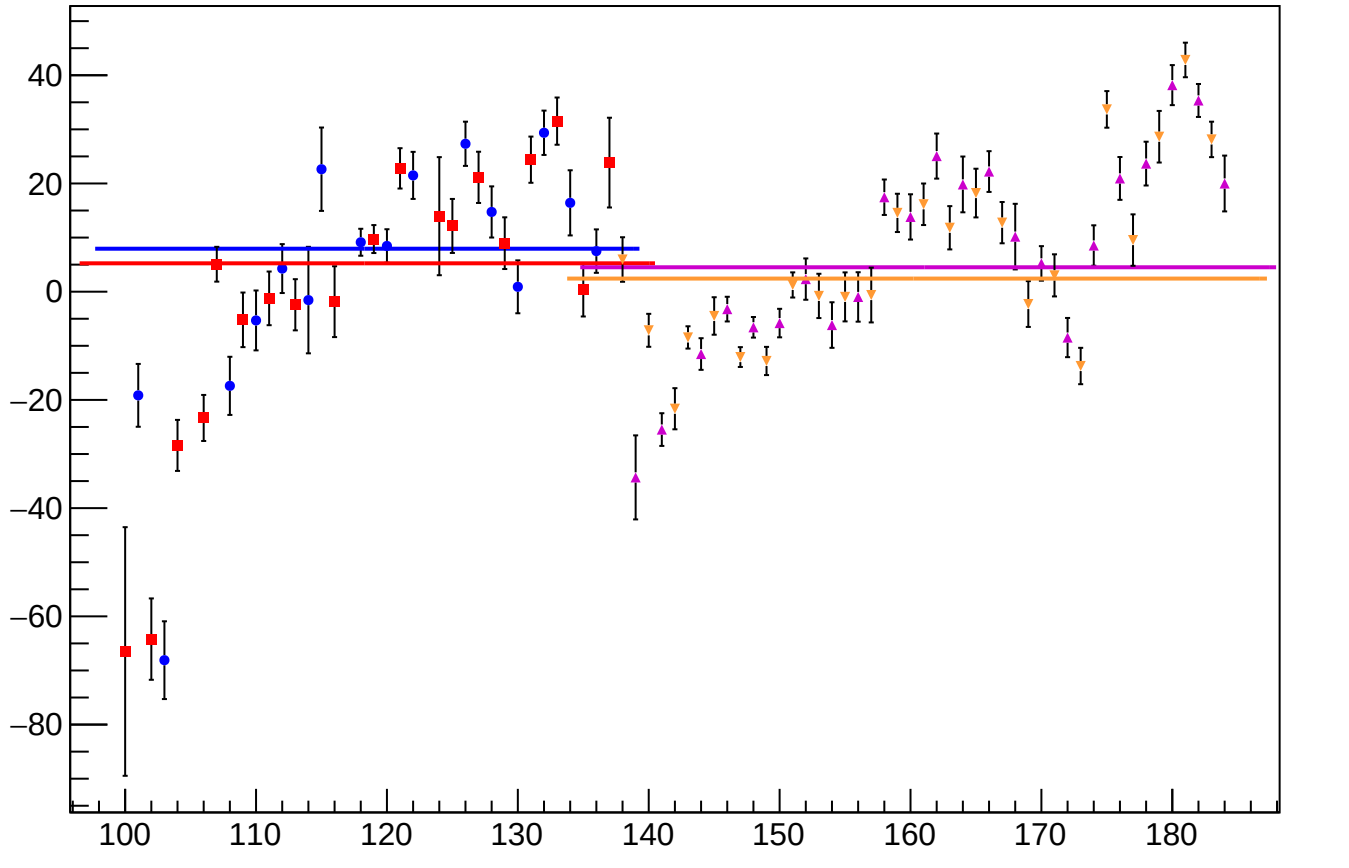
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 184.393+/-0.696 χ^2/NDF: 4502.5/39

All: 184.657+/-0.493 χ^2/NDF: 8670.3/81

- sign 184.923+/-0.697 χ^2/NDF: 4167.5/41



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: 2.424+/-0.668 χ^2/NDF:594.6/23

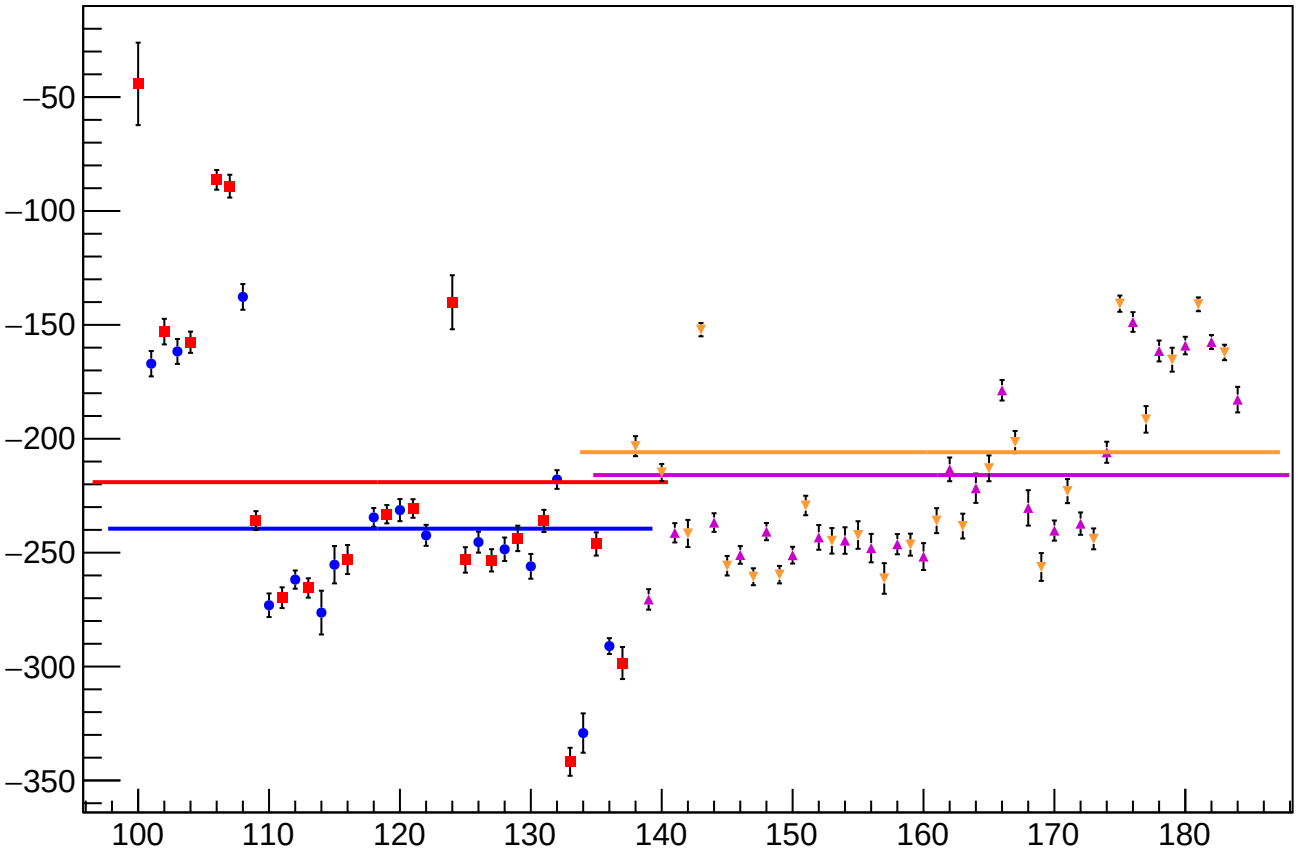
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 3.886+/-0.573 χ^2/NDF: 845.6/39

All: 4.299+/-0.412 χ^2/NDF: 1697.1/81

\- sign 4.740+/-0.593 χ^2/NDF: 850.4/41



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -205.890+/-0.901 χ^2/NDF:2421.3/23

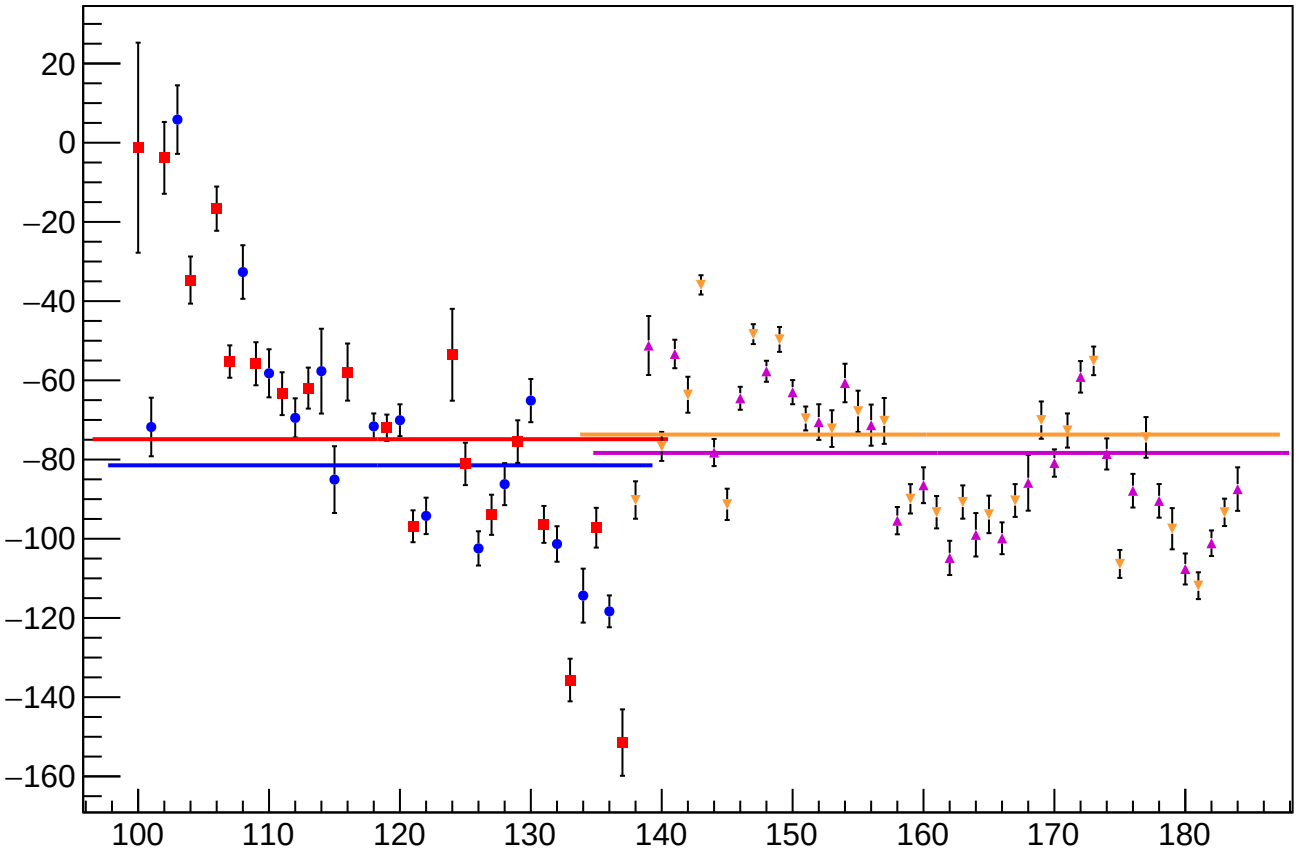
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -217.427+/-0.730 χ^2/NDF: 4060.7/39

All: -217.296+/-0.519 χ^2/NDF: 8826.3/81

- sign -217.161+/-0.737 χ^2/NDF: 4765.5/41



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -73.689+/-0.772 χ^2/NDF:828.0/23

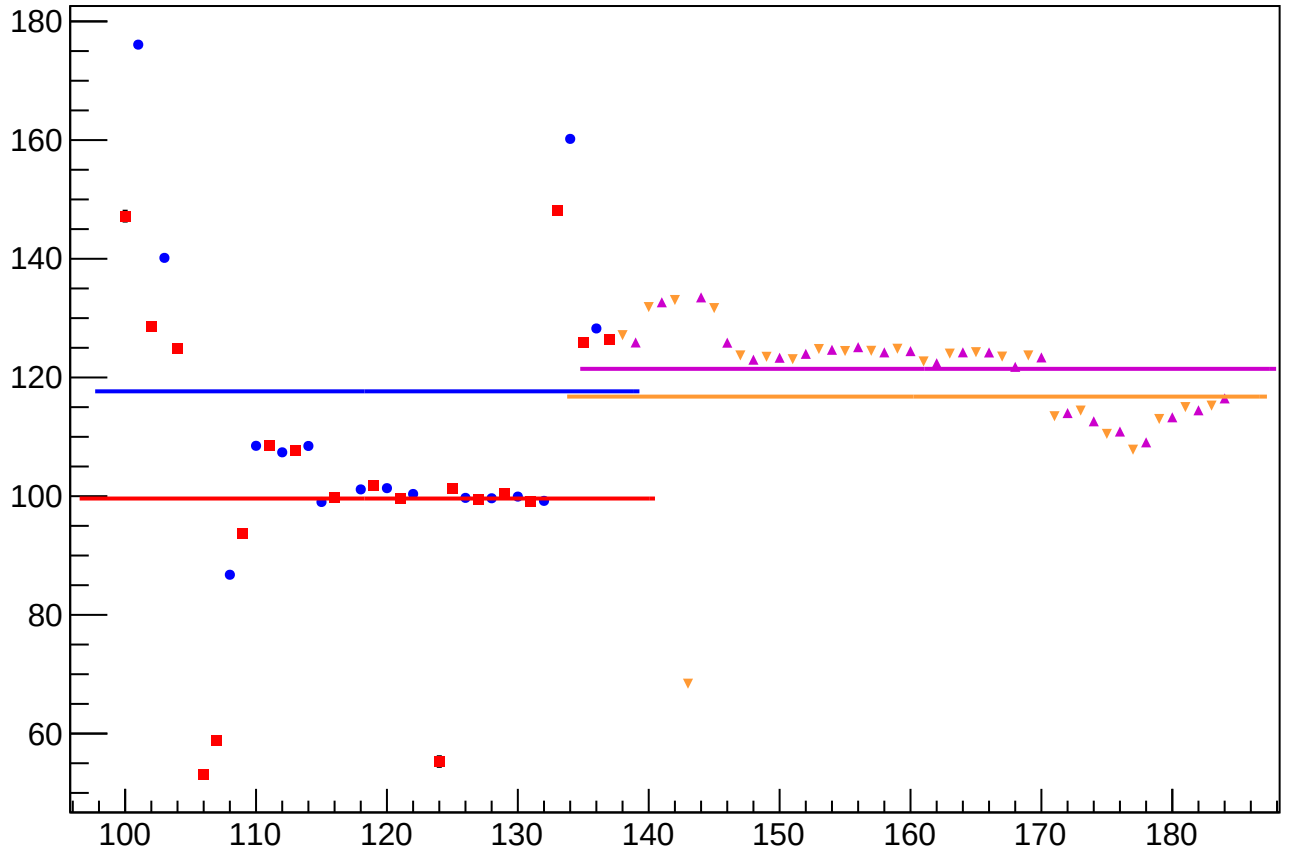
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -75.747+/-0.662 χ^2/NDF: 1221.3/39

All: -76.486+/-0.475 χ^2/NDF: 2249.3/81

- sign -77.267+/-0.681 χ^2/NDF: 1025.4/41



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.778+/-0.036 χ^2/NDF:203594.7/23

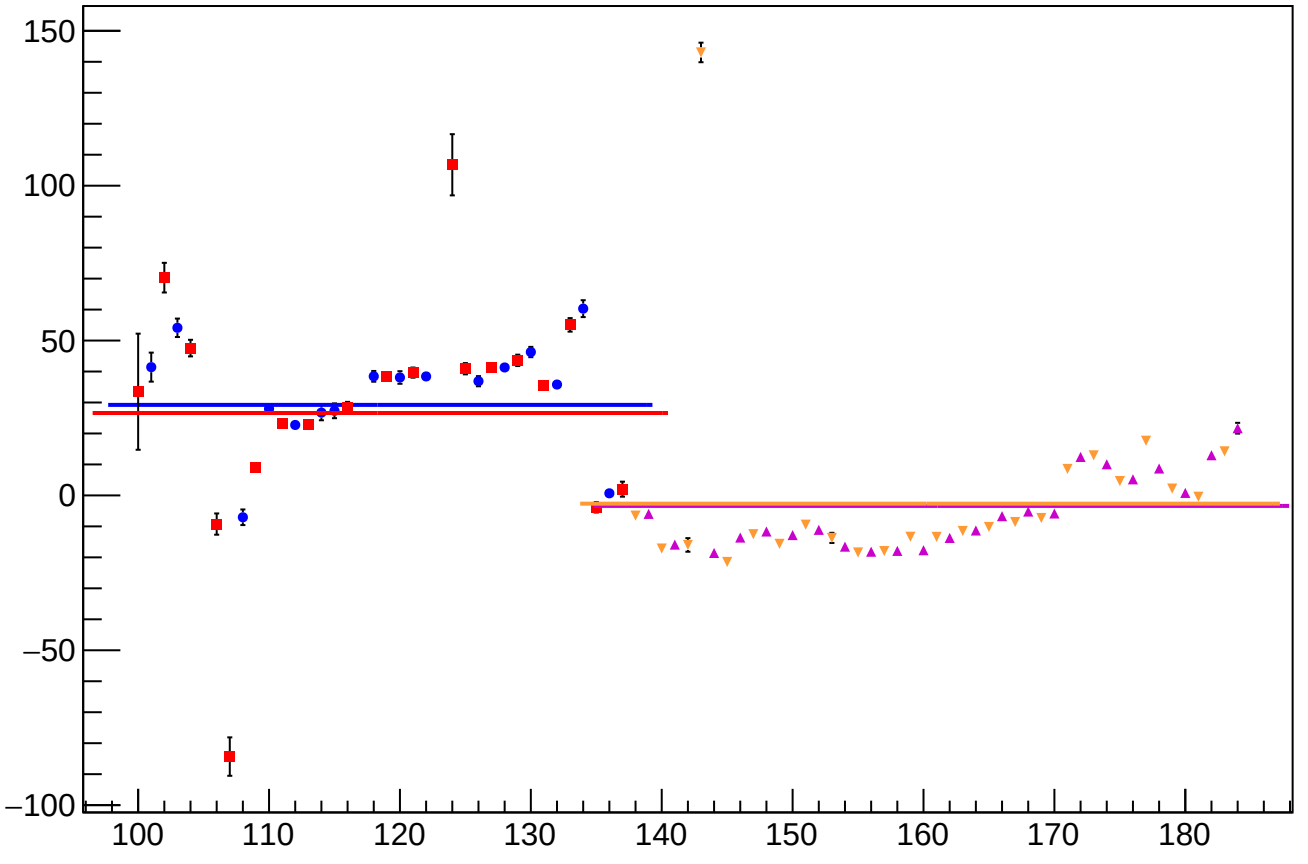
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 116.934+/-0.033 χ^2/NDF: 299098.0/39

All: 116.798+/-0.023 χ^2/NDF: 569575.6/81

\- sign 116.662+/-0.033 χ^2/NDF: 270443.2/41



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.663+/-0.269 χ^2/NDF:3894.0/23

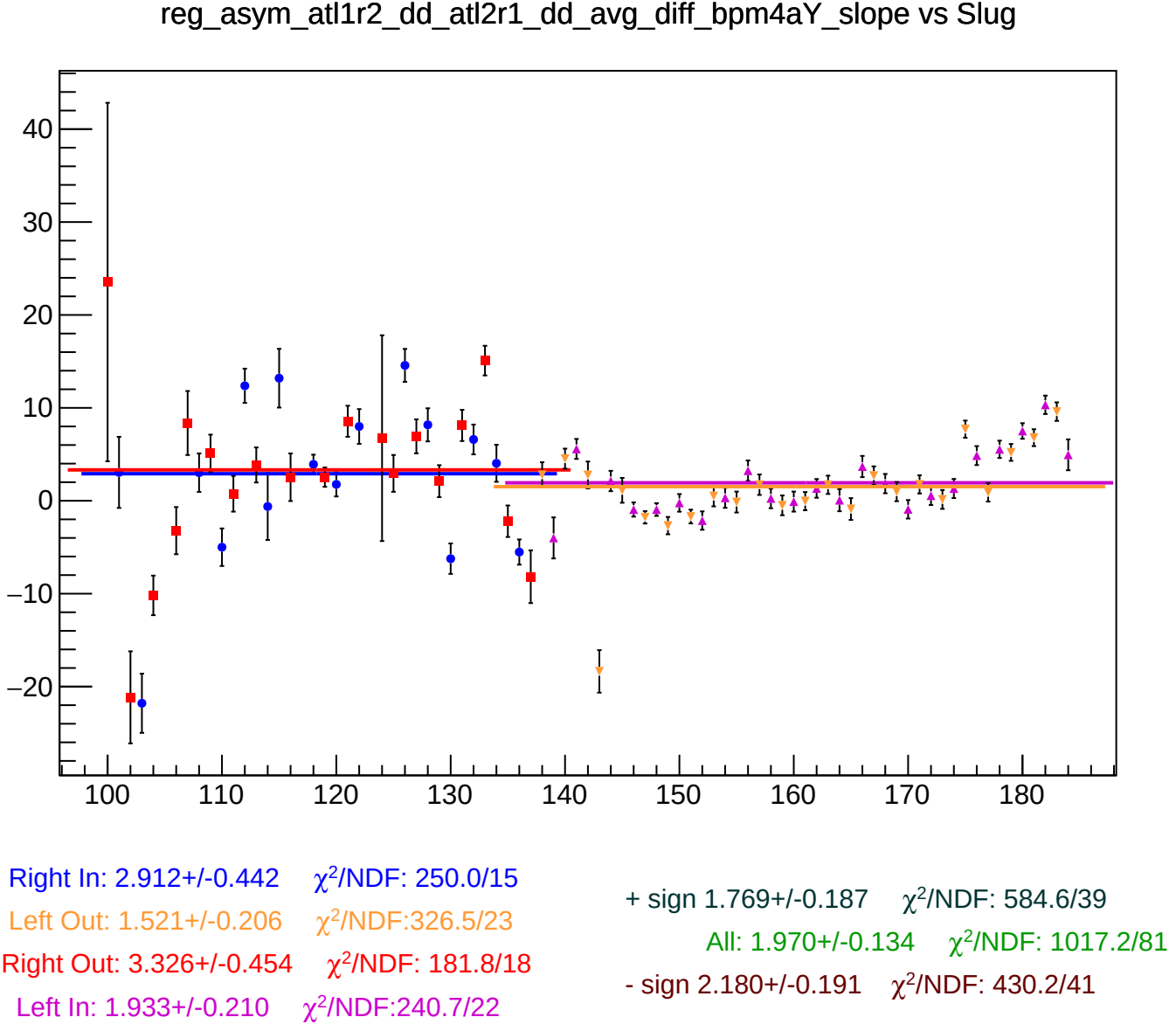
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 6.470+/-0.227 χ^2/NDF: 9269.1/39

All: 6.044+/-0.161 χ^2/NDF: 16622.1/81

- sign 5.619+/-0.227 χ^2/NDF: 7346.0/41


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug
40
30
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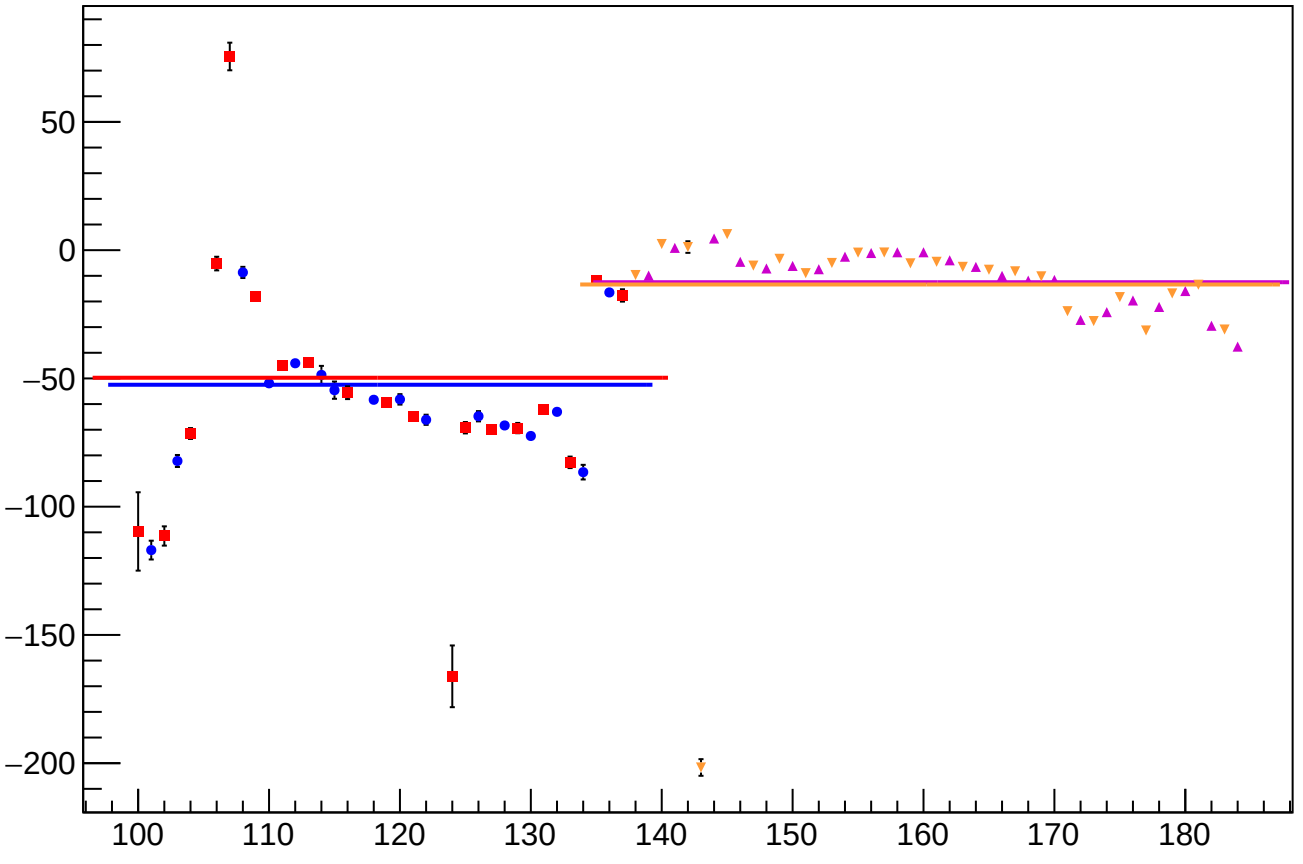
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: 1.521+/-0.206 χ²/NDF:326.5/23
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 1.933+/-0.210 χ²/NDF:240.7/22
+ sign 1.769+/-0.187 χ²/NDF: 584.6/39
All: 1.970+/-0.134 χ²/NDF: 1017.2/81
- sign 2.180+/-0.191 χ²/NDF: 430.2/41



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.375+/-0.267 χ^2/NDF:4832.3/23

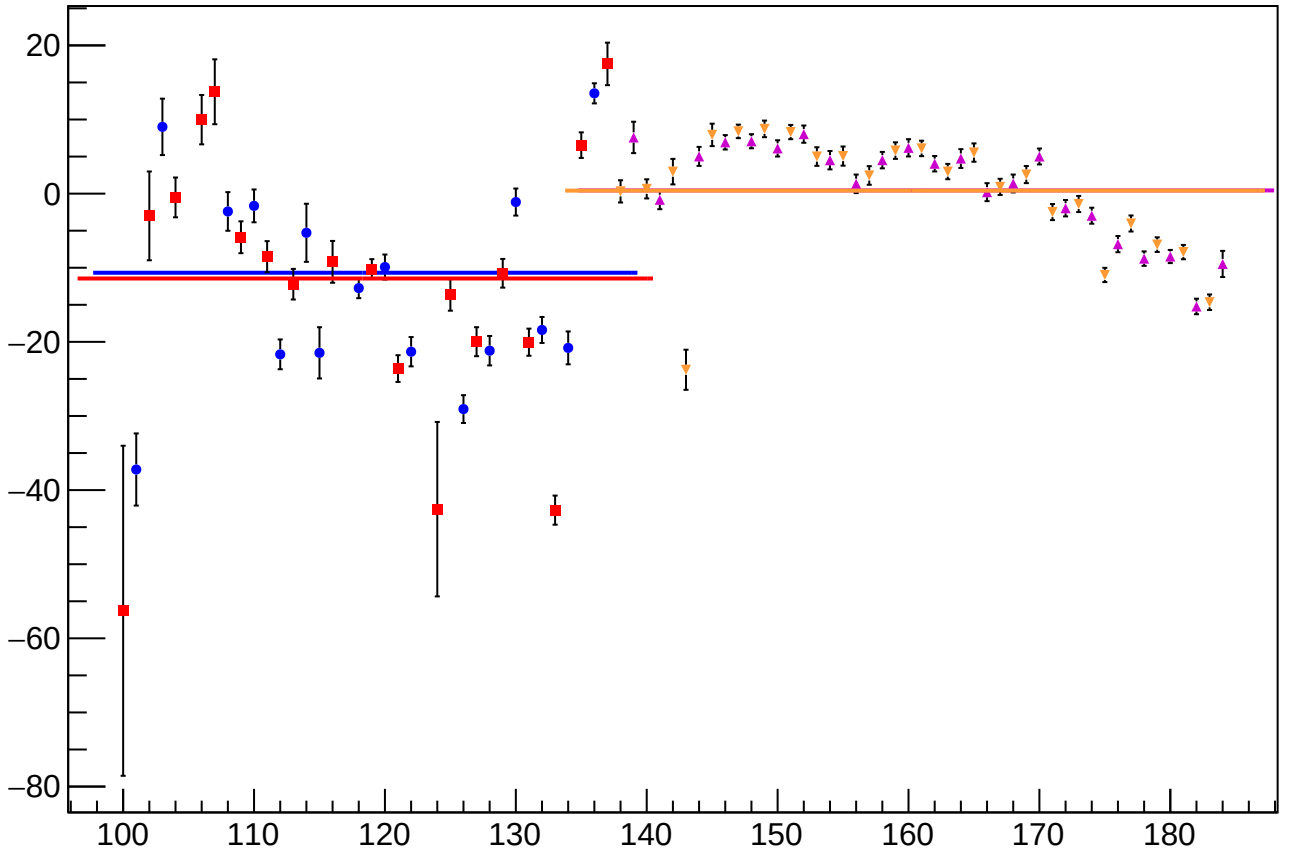
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -22.362+/-0.234 χ^2/NDF: 12108.7/39

All: -21.685+/-0.166 χ^2/NDF: 20950.3/81

- sign -20.995+/-0.236 χ^2/NDF: 8824.7/41



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.408+/-0.233 χ^2/NDF:916.3/23

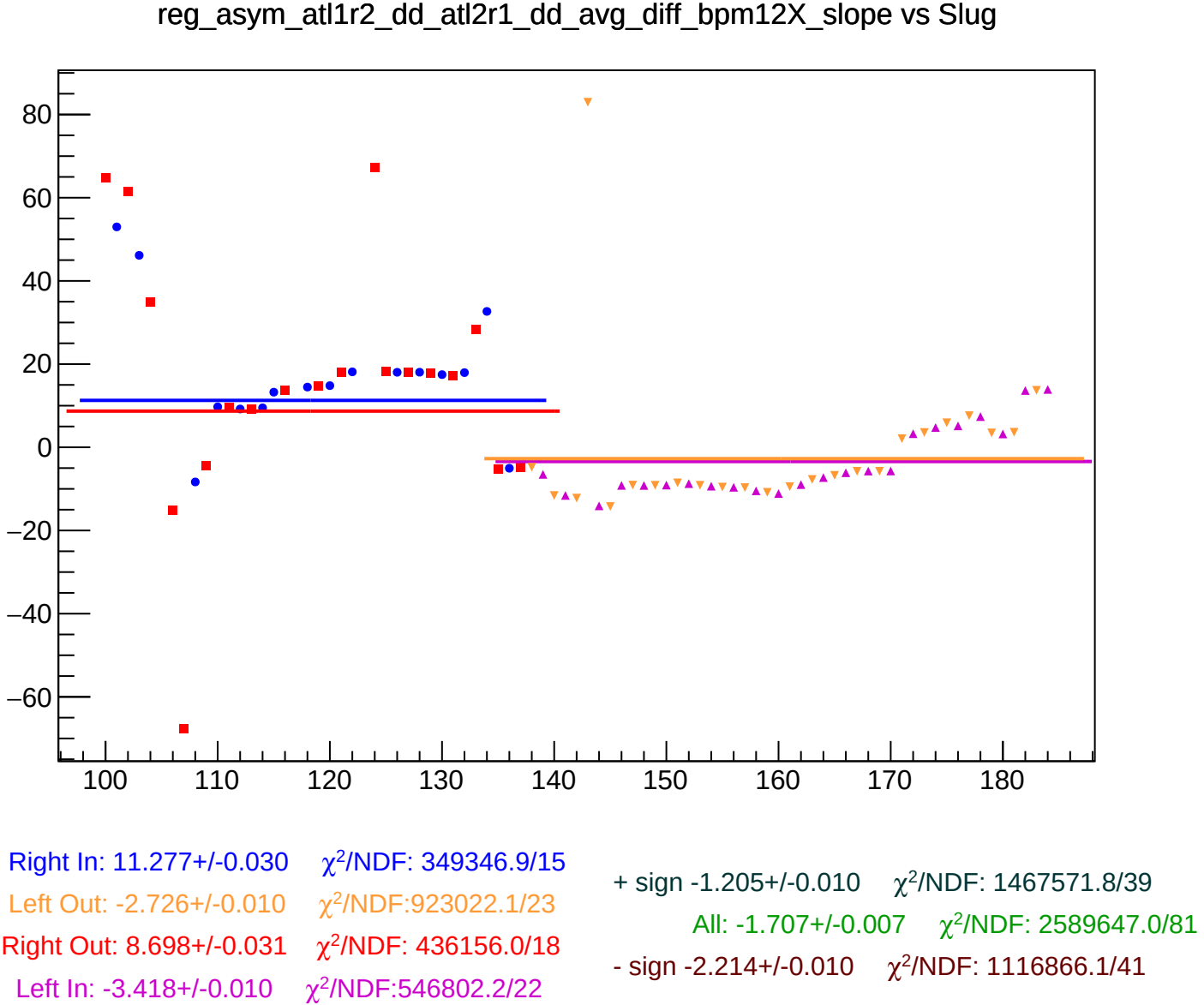
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.532+/-0.212 χ^2/NDF: 1979.3/39

All: -1.581+/-0.151 χ^2/NDF: 3865.3/81

\- sign -1.632+/-0.215 χ^2/NDF: 1885.9/41



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.726+/-0.010 χ^2/NDF:923022.1/23

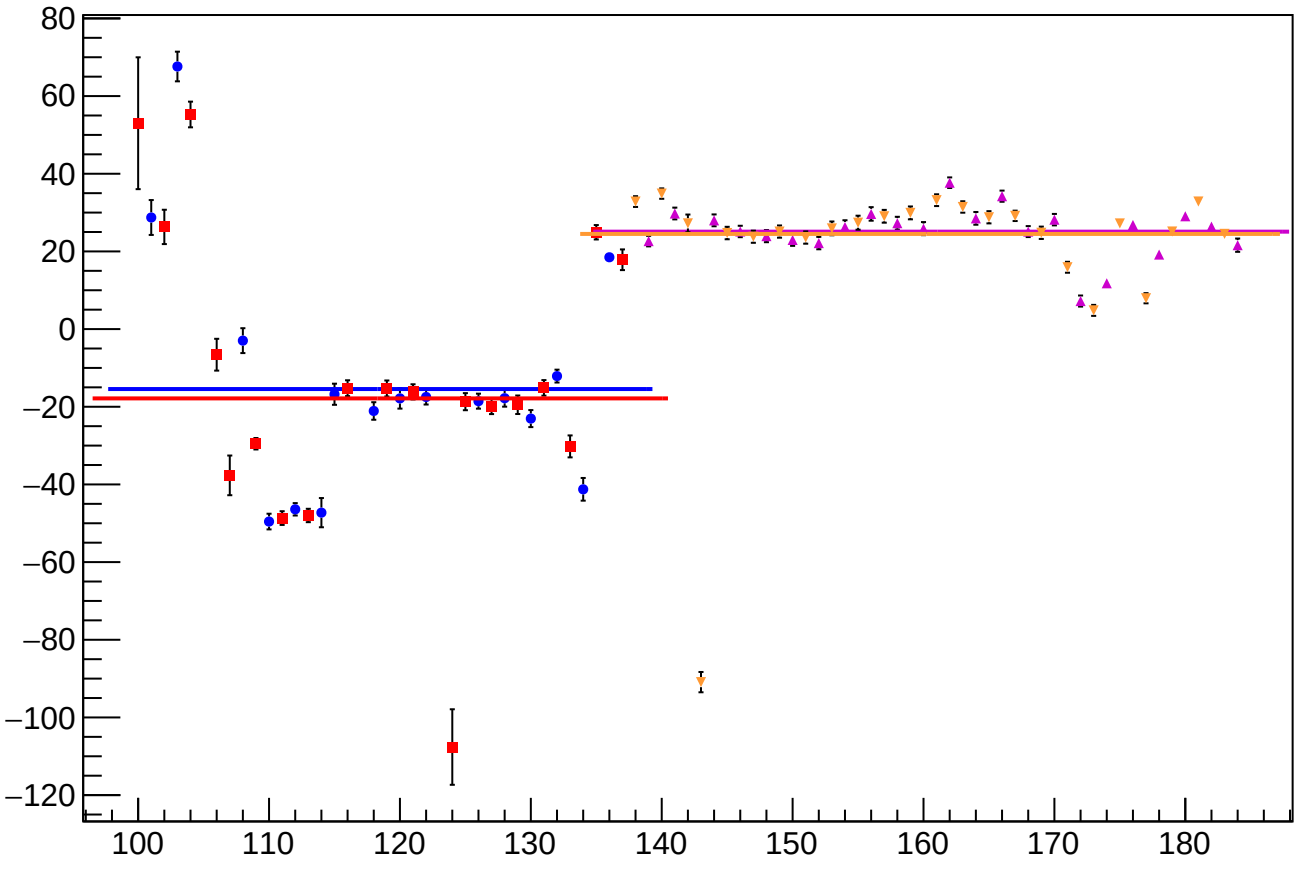
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -1.205+/-0.010 χ^2/NDF: 1467571.8/39

All: -1.707+/-0.007 χ^2/NDF: 2589647.0/81

- sign -2.214+/-0.010 χ^2/NDF: 1116866.1/41



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.504+/-0.284 χ^2/NDF:2634.5/23

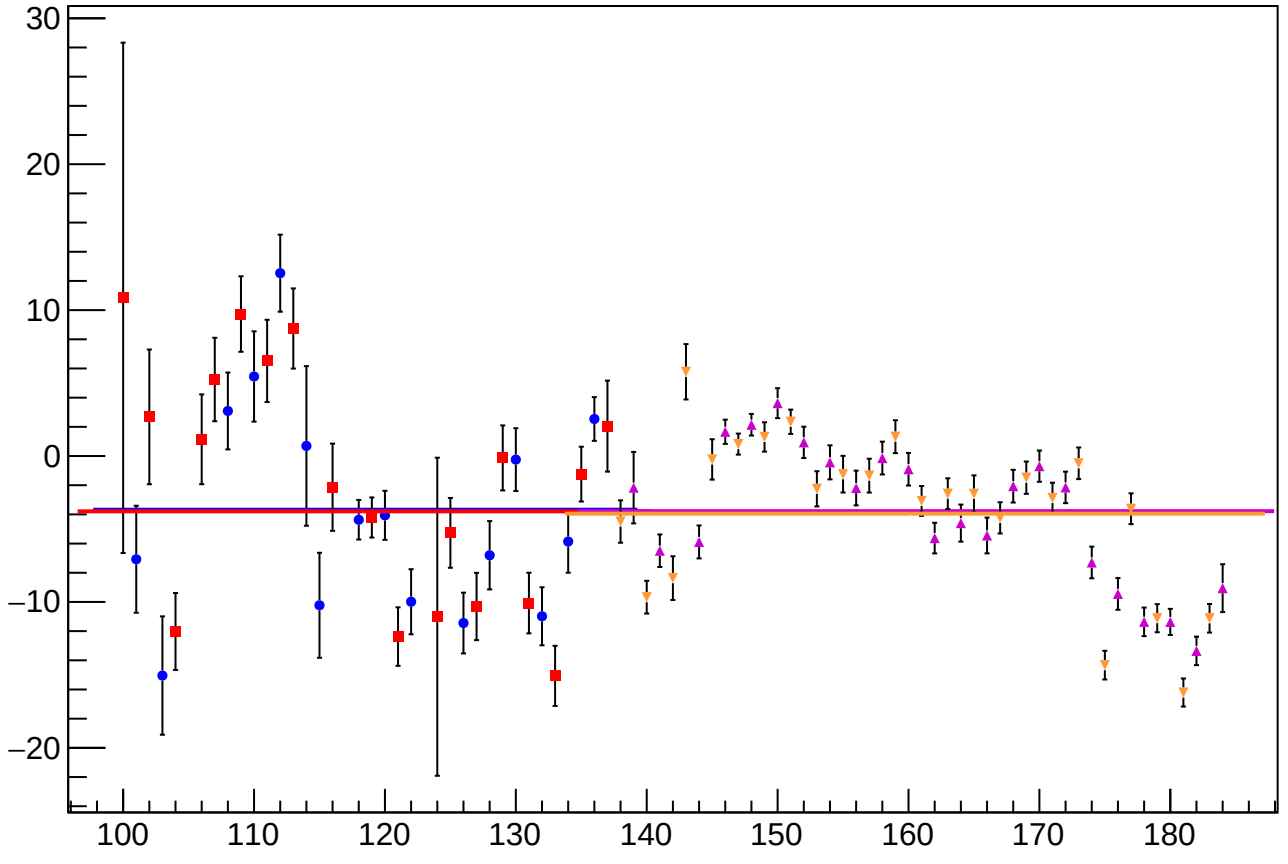
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.805+/-0.252 χ^2/NDF: 9053.4/39

All: 15.569+/-0.178 χ^2/NDF: 16754.4/81

- sign 15.332+/-0.252 χ^2/NDF: 7699.2/41



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

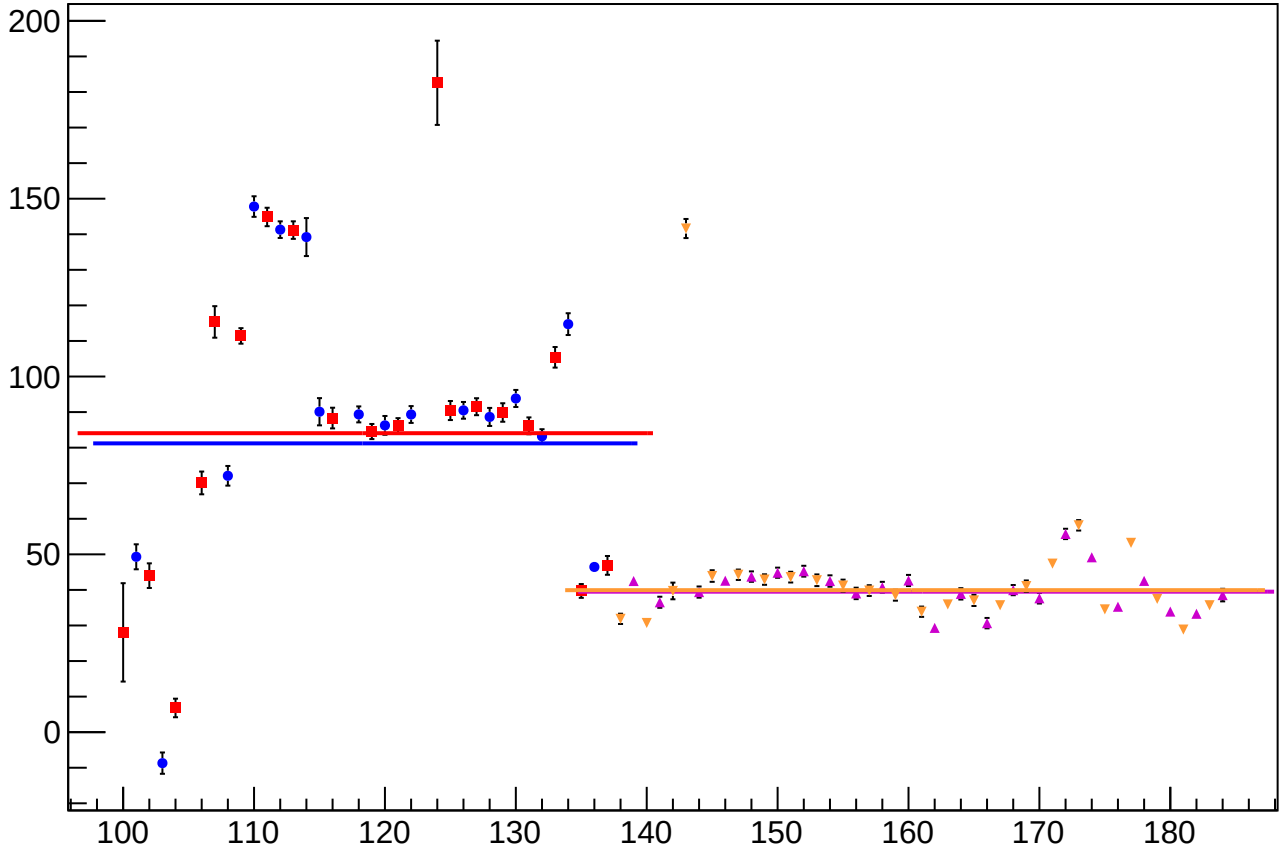
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.912+/-0.204 χ^2/NDF: 757.3/39

All: -3.848+/-0.146 χ^2/NDF: 1428.6/81

- sign -3.781+/-0.208 χ^2/NDF: 671.0/41

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 39.927+/-0.282 χ^2/NDF:2061.8/23

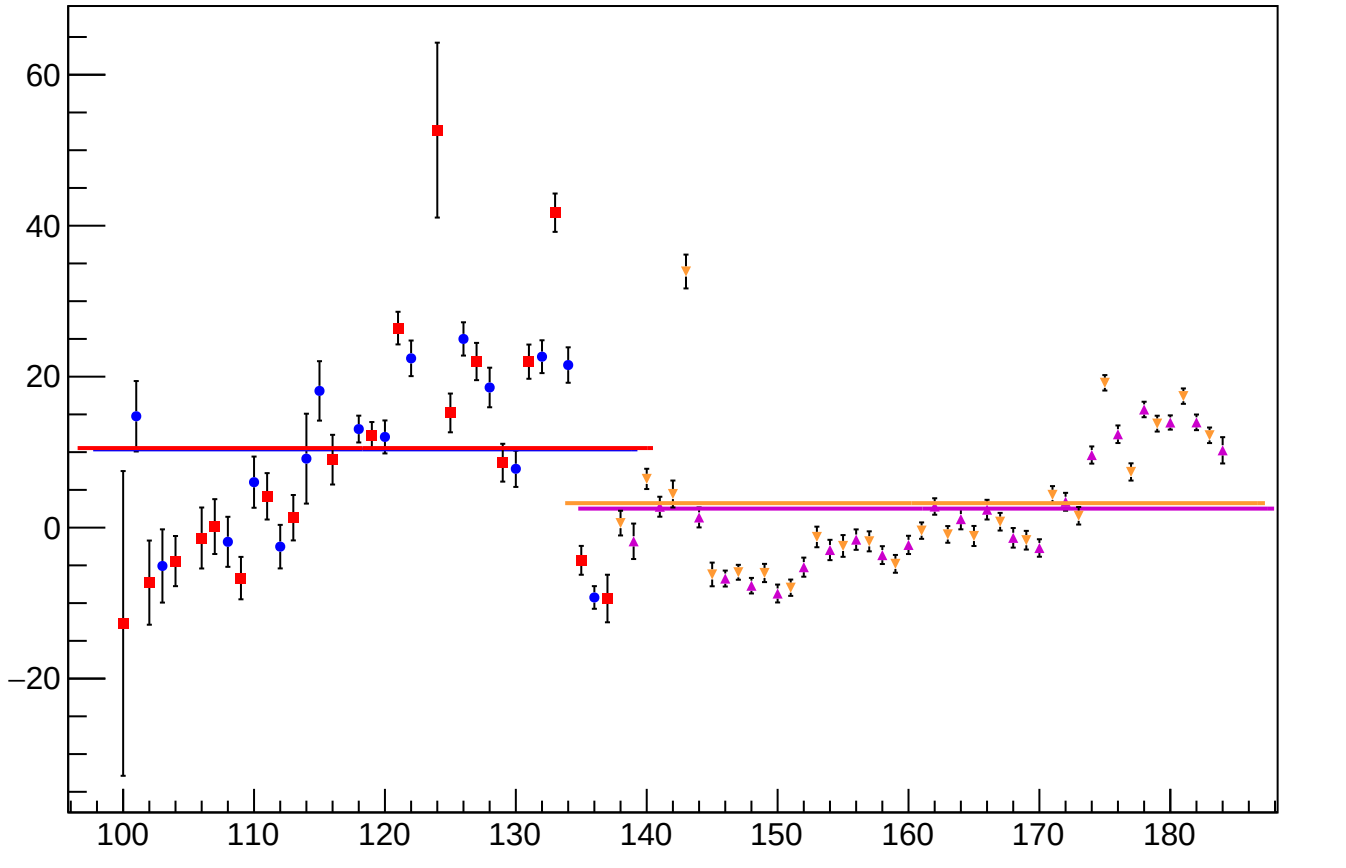
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 47.269+/-0.256 χ^2/NDF: 9093.0/39

All: 47.305+/-0.182 χ^2/NDF: 17040.3/81

- sign 47.342+/-0.258 χ^2/NDF: 7947.2/41



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 3.242+/-0.247 χ^2/NDF:1256.4/23

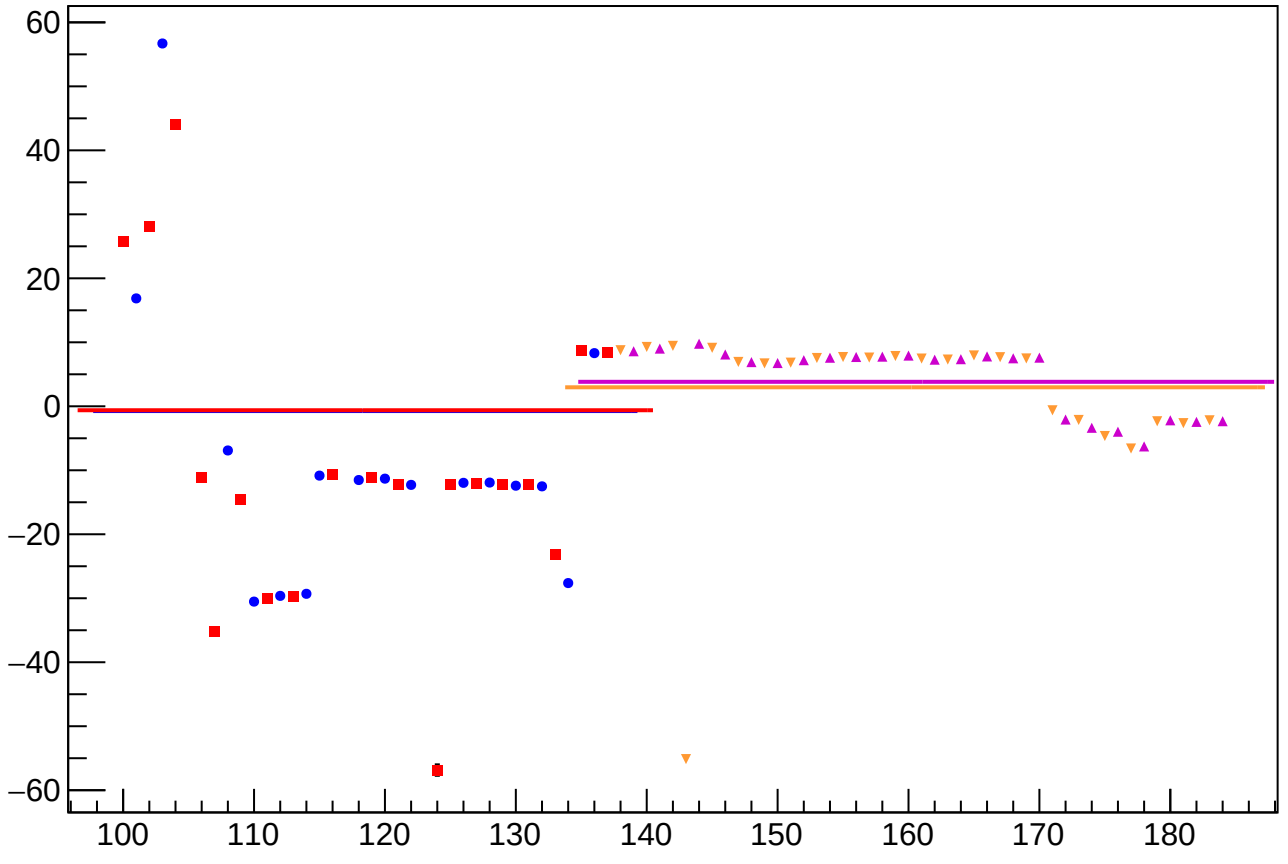
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

\+ sign 4.203+/-0.230 χ^2/NDF: 1728.0/39

All: 3.900+/-0.164 χ^2/NDF: 3306.5/81

\- sign 3.587+/-0.234 χ^2/NDF: 1574.9/41



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

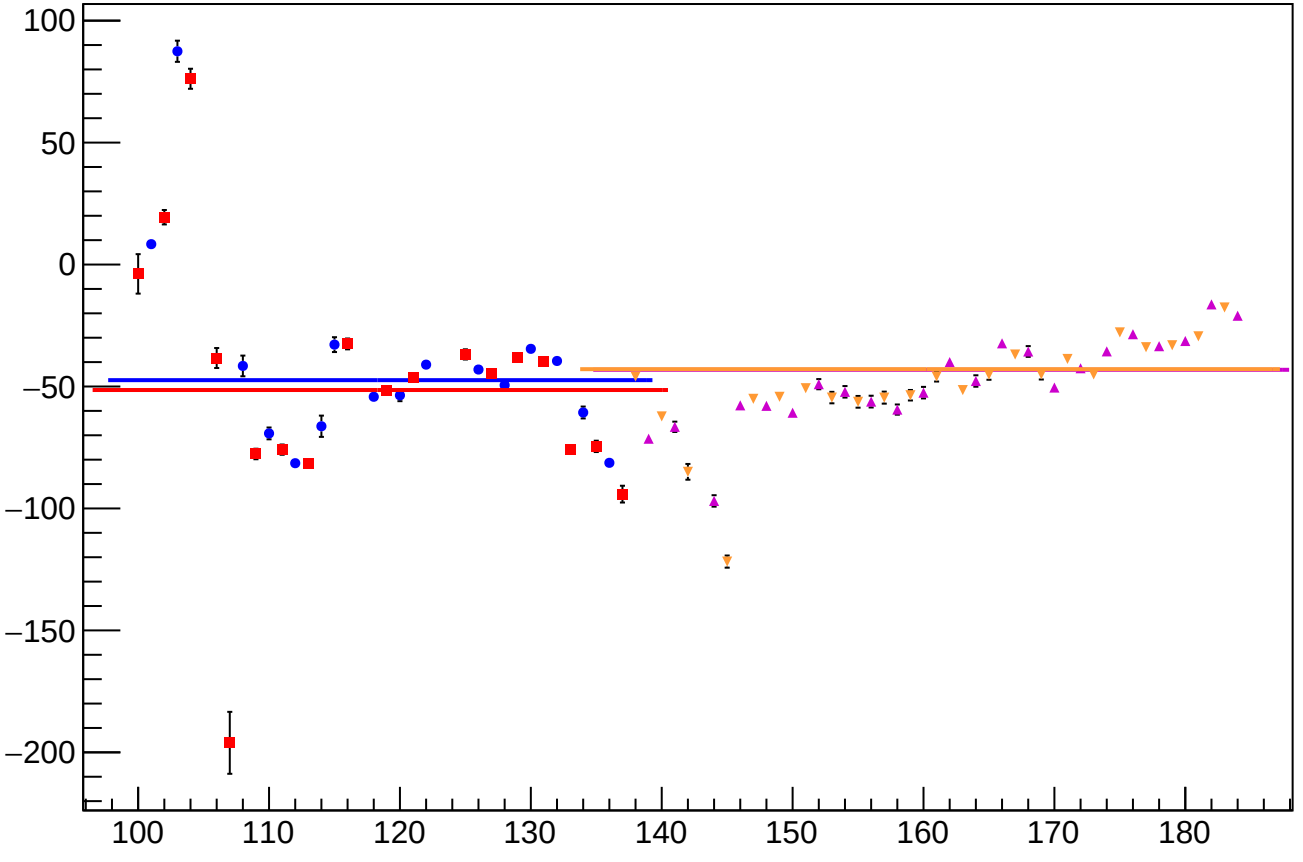
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.643+/-0.011 χ^2/NDF: 886374.6/39

All: 3.052+/-0.008 χ^2/NDF: 1452096.6/81

- sign 3.464+/-0.011 χ^2/NDF: 562731.6/41

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

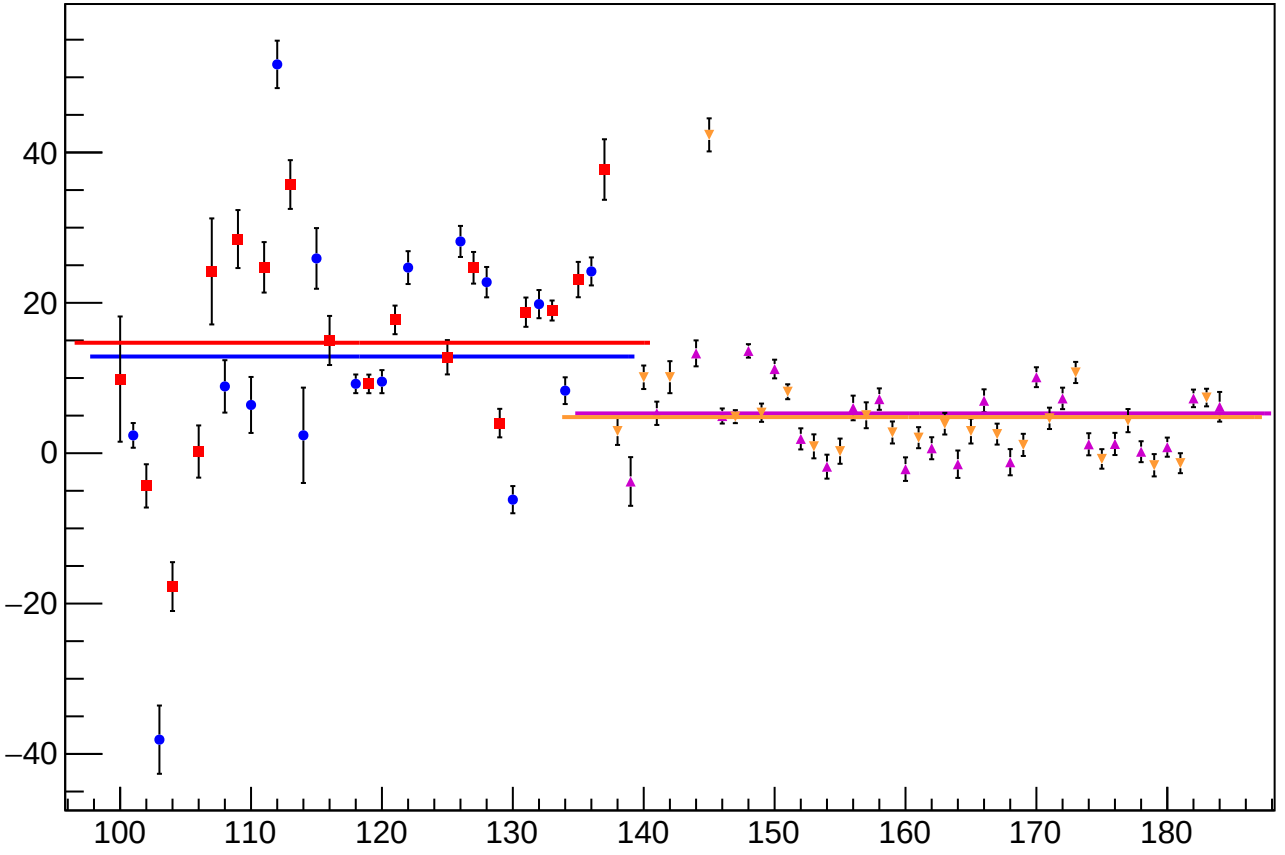
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -44.418+/-0.311 χ^2/NDF: 5105.1/38

All: -45.144+/-0.220 χ^2/NDF: 10350.6/79

- sign -45.877+/-0.313 χ^2/NDF: 5234.6/40

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

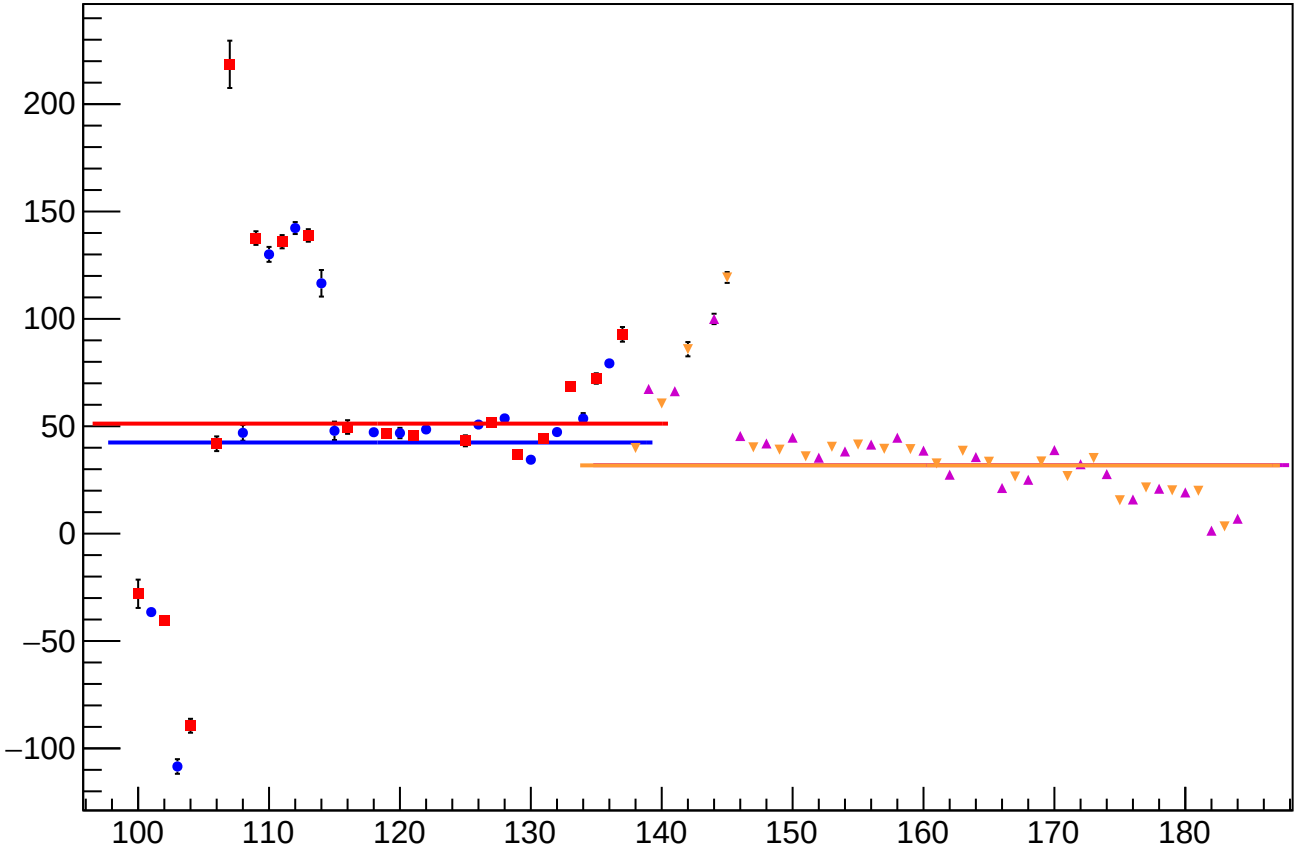
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.730+/-0.254 χ^2/NDF: 1241.6/38

All: 7.067+/-0.181 χ^2/NDF: 2126.5/79

- sign 7.418+/-0.259 χ^2/NDF: 881.3/40

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

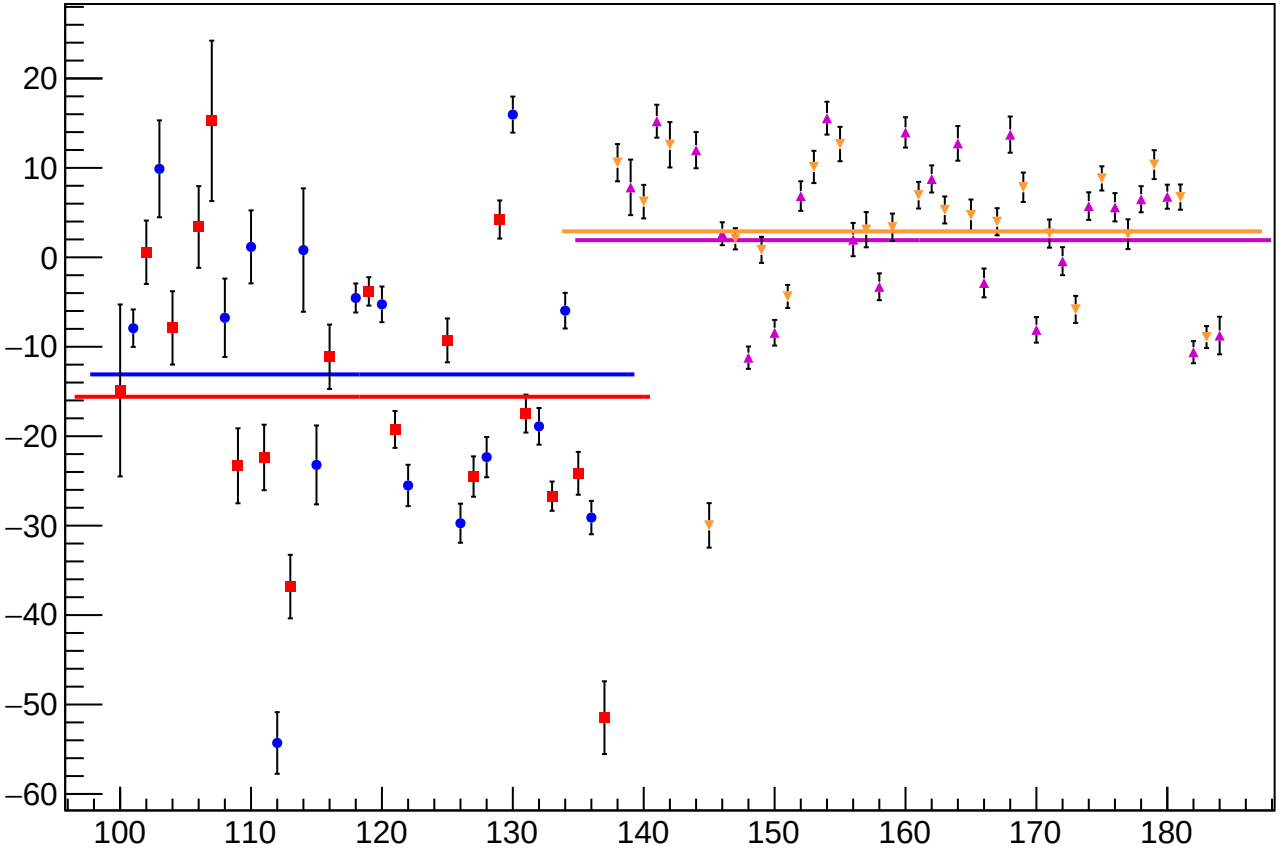
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 34.940+/-0.318 χ^2/NDF: 10121.5/38

All: 36.056+/-0.226 χ^2/NDF: 20242.3/79

\- sign 37.201+/-0.322 χ^2/NDF: 10095.8/40

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

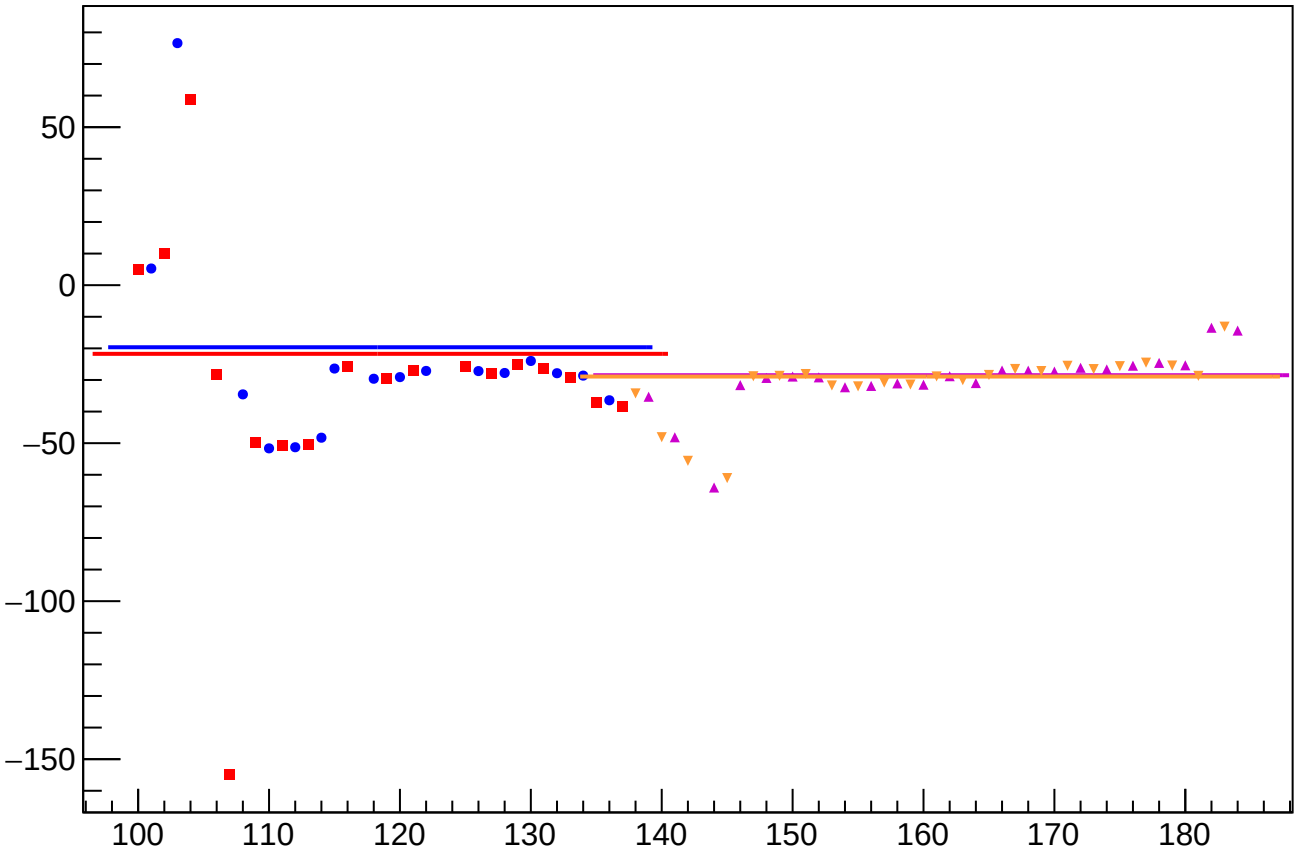
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -0.809+/-0.289 χ^2/NDF: 1661.7/38

All: -1.353+/-0.206 χ^2/NDF: 3358.9/79

\- sign -1.915+/-0.293 χ^2/NDF: 1690.1/40



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

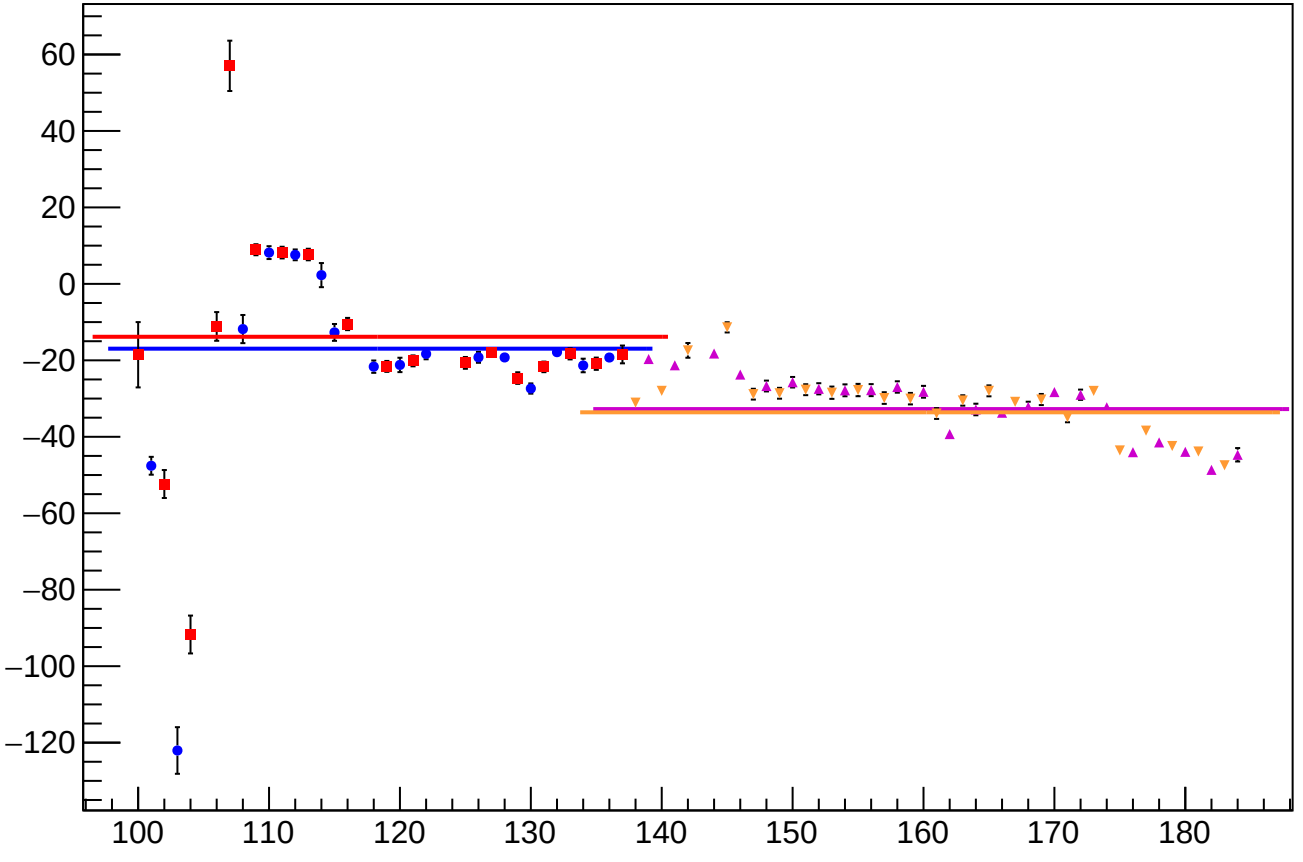
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -27.556+/-0.014 χ^2/NDF: 1008633.2/38

All: -27.597+/-0.010 χ^2/NDF: 1869500.6/79

- sign -27.638+/-0.014 χ^2/NDF: 860849.7/40

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

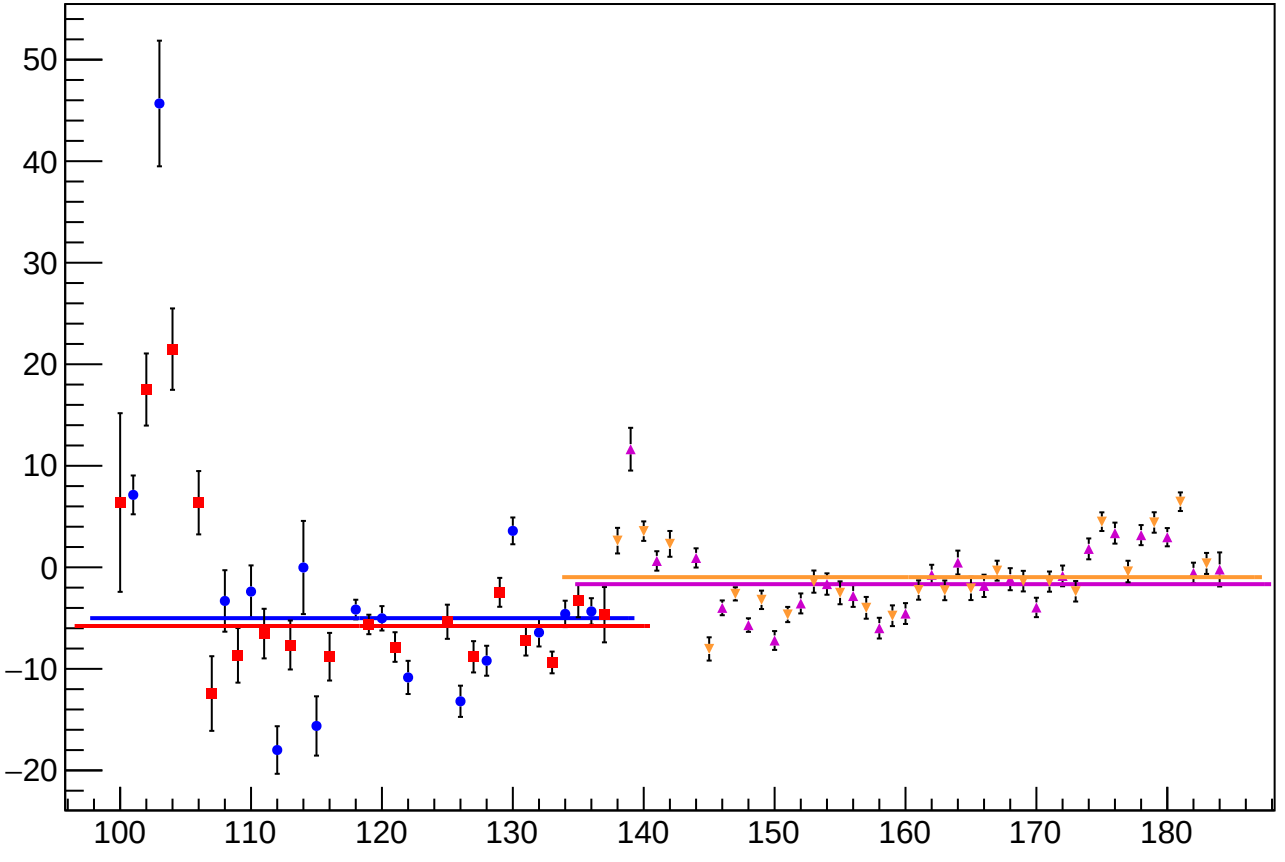
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.533+/-0.223 χ^2/NDF: 3323.5/38

All: -27.801+/-0.158 χ^2/NDF: 7315.1/79

- sign -27.057+/-0.225 χ^2/NDF: 3969.8/40

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

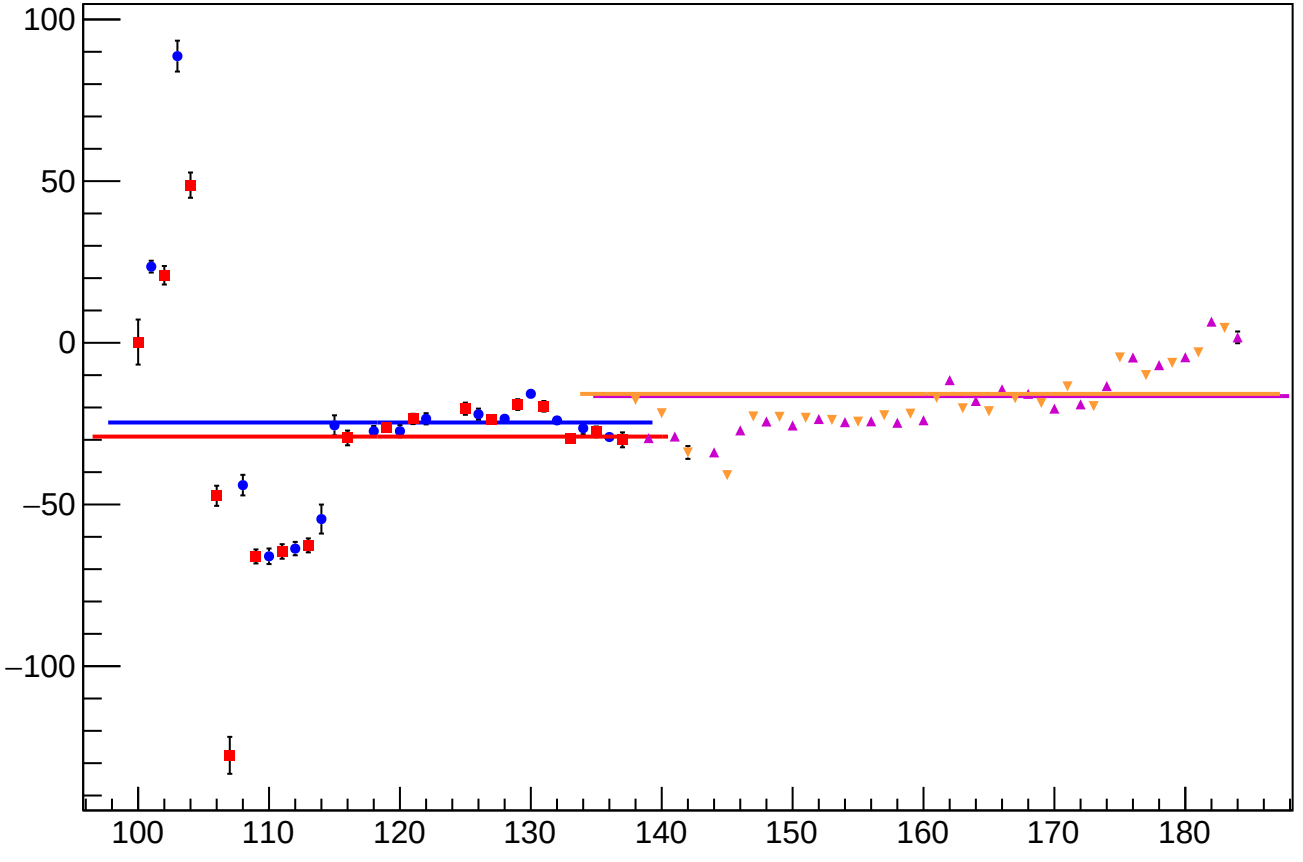
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.796+/-0.182 χ^2/NDF: 602.4/38

All: -2.124+/-0.130 χ^2/NDF: 1090.3/79

- sign -2.464+/-0.185 χ^2/NDF: 481.4/40

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

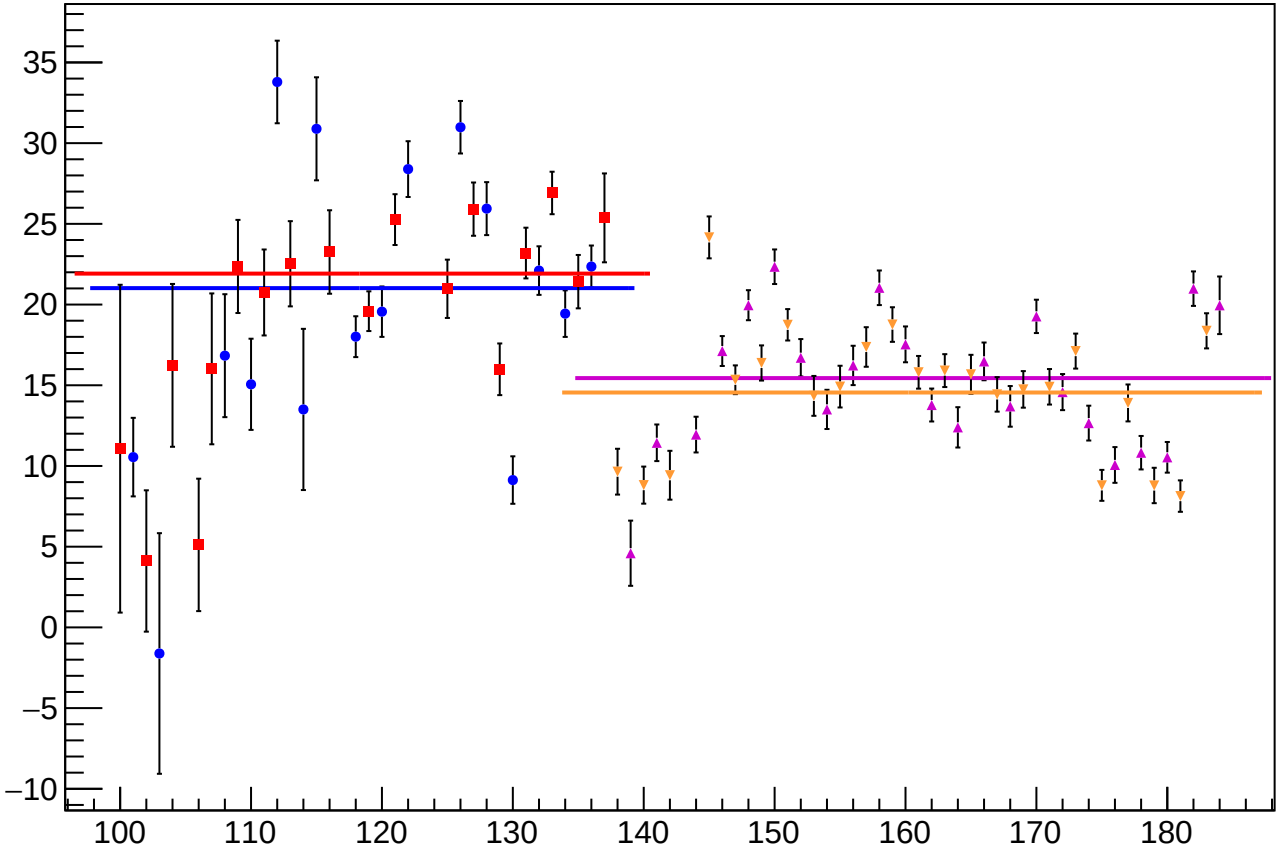
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.035+/-0.229 χ^2/NDF: 3836.7/38

All: -18.741+/-0.163 χ^2/NDF: 8034.8/79

- sign -19.466+/-0.232 χ^2/NDF: 4178.8/40

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

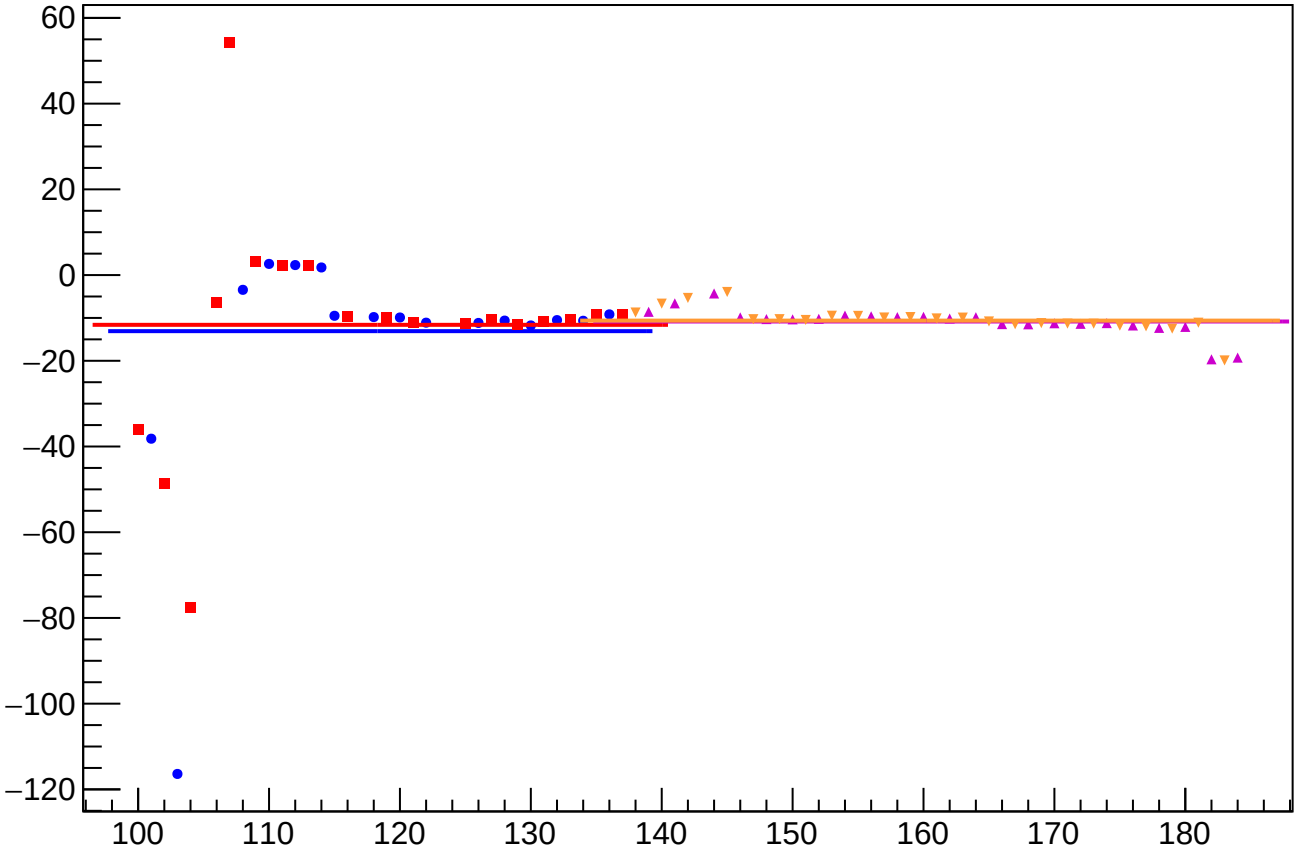
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

\+ sign 15.861+/-0.206 χ^2/NDF: 644.4/38

All: 16.267+/-0.147 χ^2/NDF: 1173.2/79

\- sign 16.686+/-0.210 χ^2/NDF: 520.9/40

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

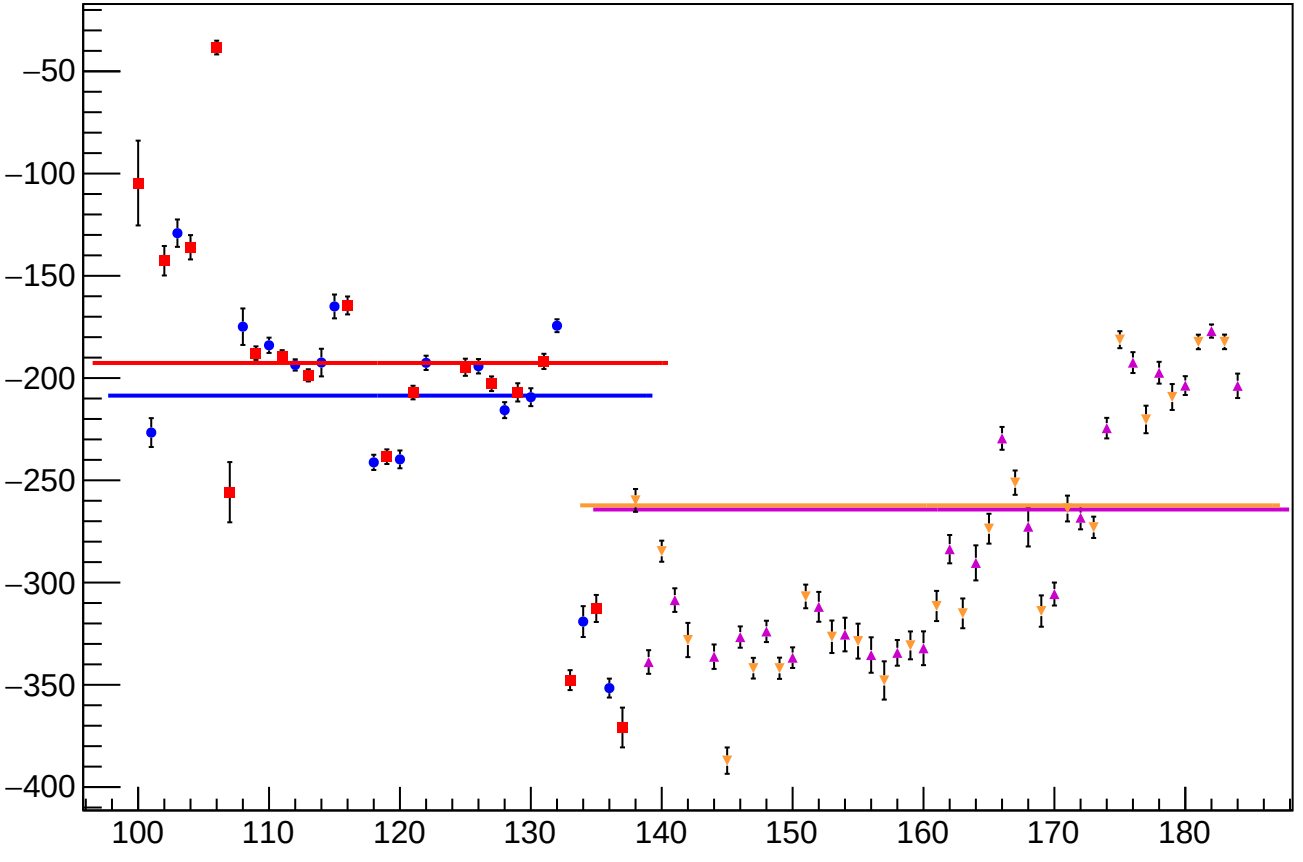
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -10.915+/-0.010 χ^2/NDF: 422828.6/38

All: -10.913+/-0.007 χ^2/NDF: 811693.6/79

- sign -10.912+/-0.010 χ^2/NDF: 388864.9/40

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

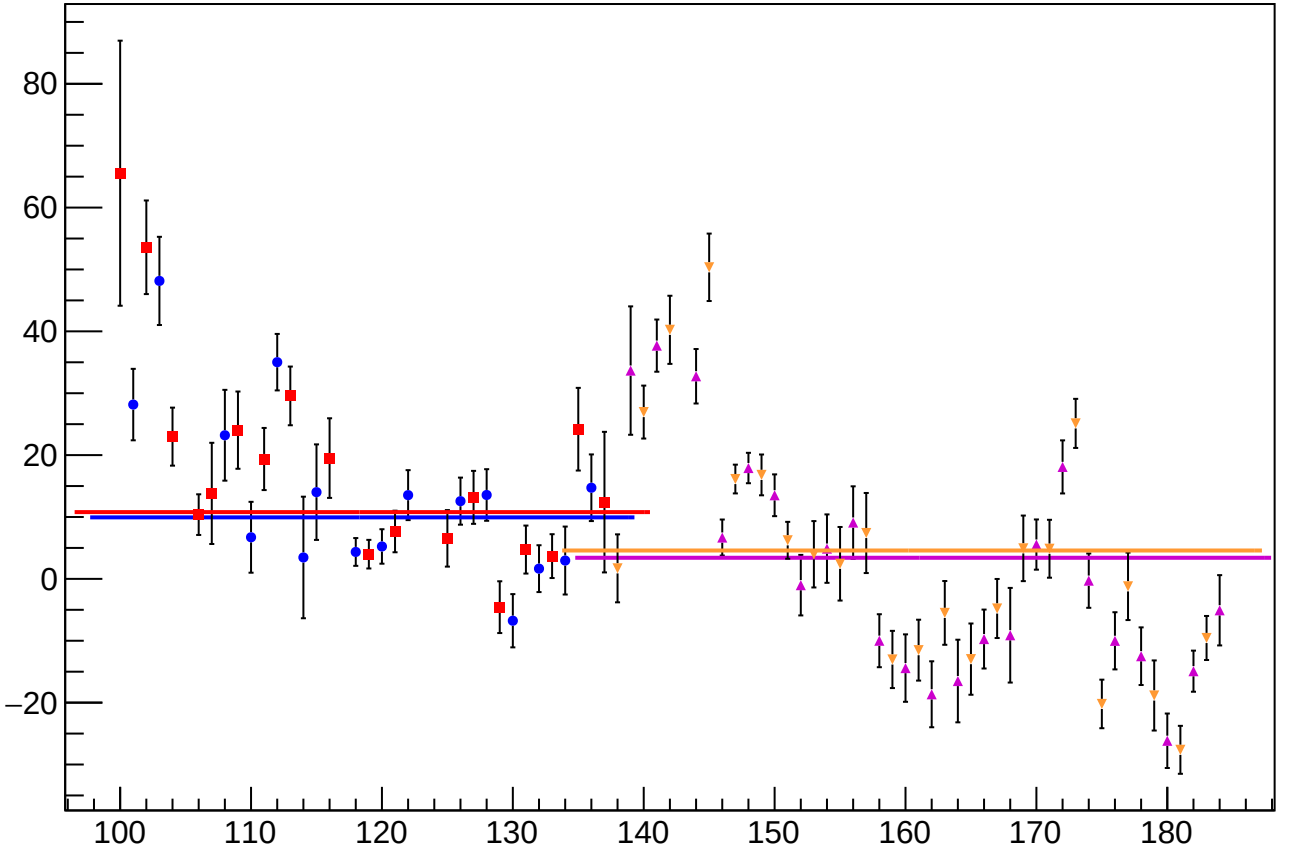
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -232.432+/-0.795 χ^2/NDF: 5840.1/38

All: -227.197+/-0.551 χ^2/NDF: 15008.8/79

- sign -222.363+/-0.764 χ^2/NDF: 9085.3/40

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

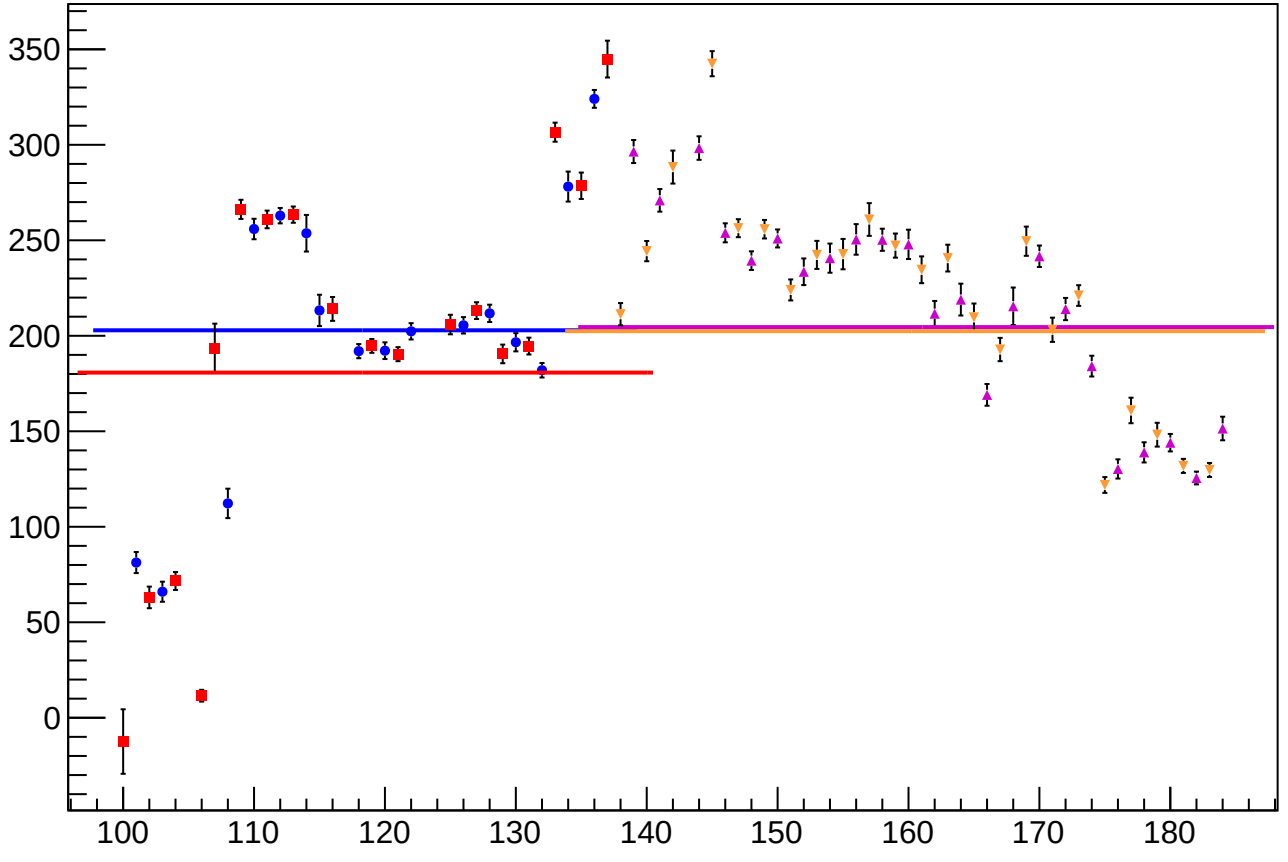
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 6.797+/-0.685 χ^2/NDF: 512.7/38

All: 6.678+/-0.483 χ^2/NDF: 979.8/79

- sign 6.560+/-0.682 χ^2/NDF: 467.1/40

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

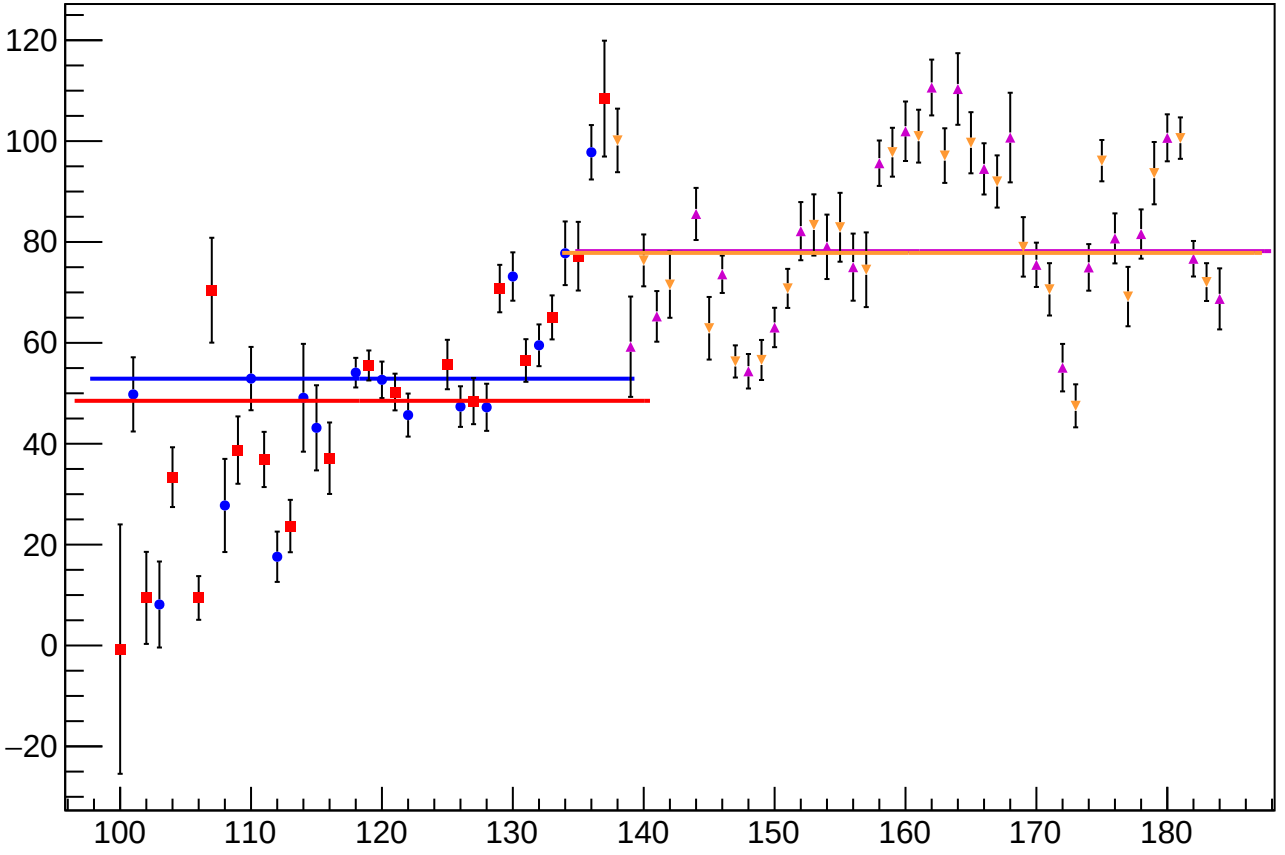
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 202.641+/-0.852 χ^2/NDF: 4857.5/38

All: 197.276+/-0.591 χ^2/NDF: 13778.3/79

- sign 192.301+/-0.820 χ^2/NDF: 8844.4/40

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

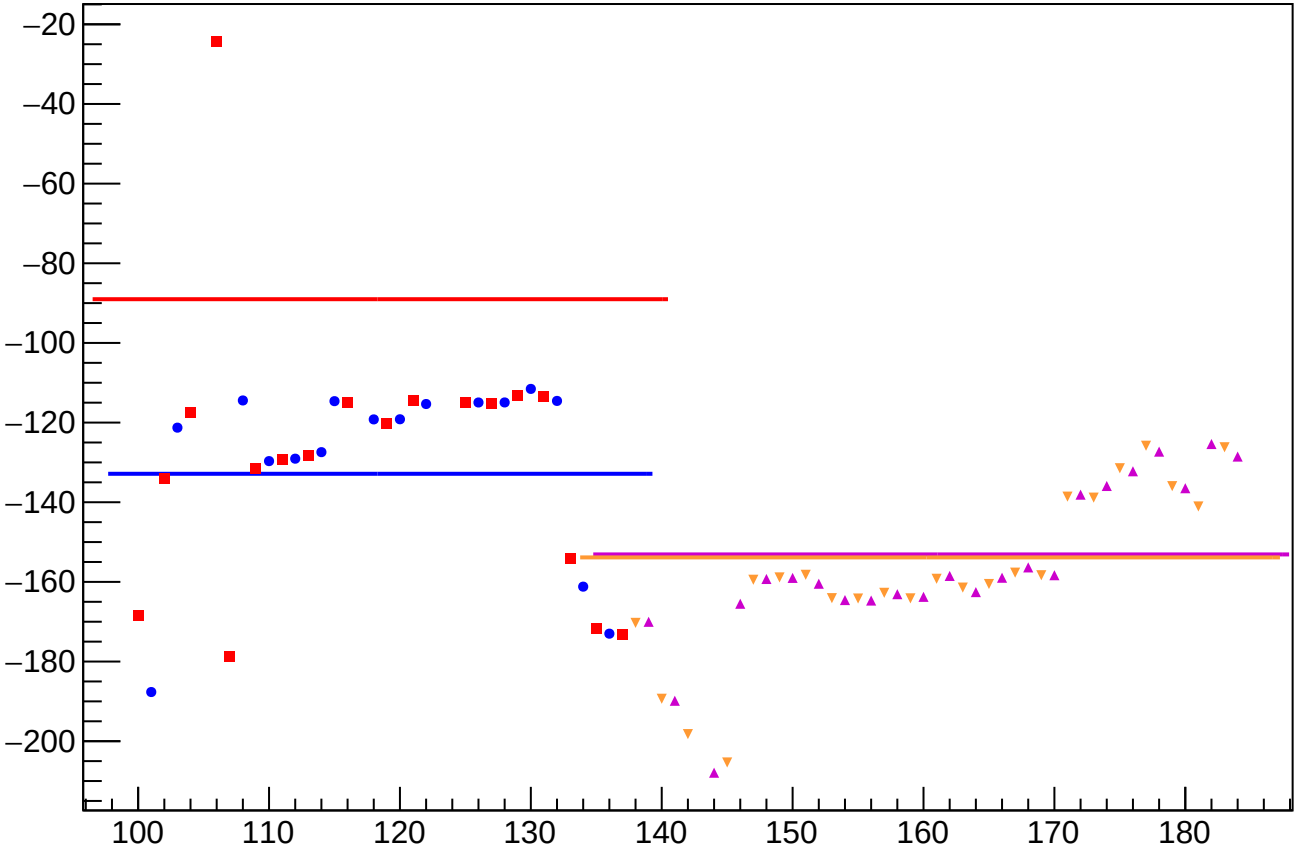
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 67.725+/-0.791 χ^2/NDF: 720.4/38

All: 66.770+/-0.557 χ^2/NDF: 1544.5/79

- sign 65.832+/-0.784 χ^2/NDF: 821.2/40

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

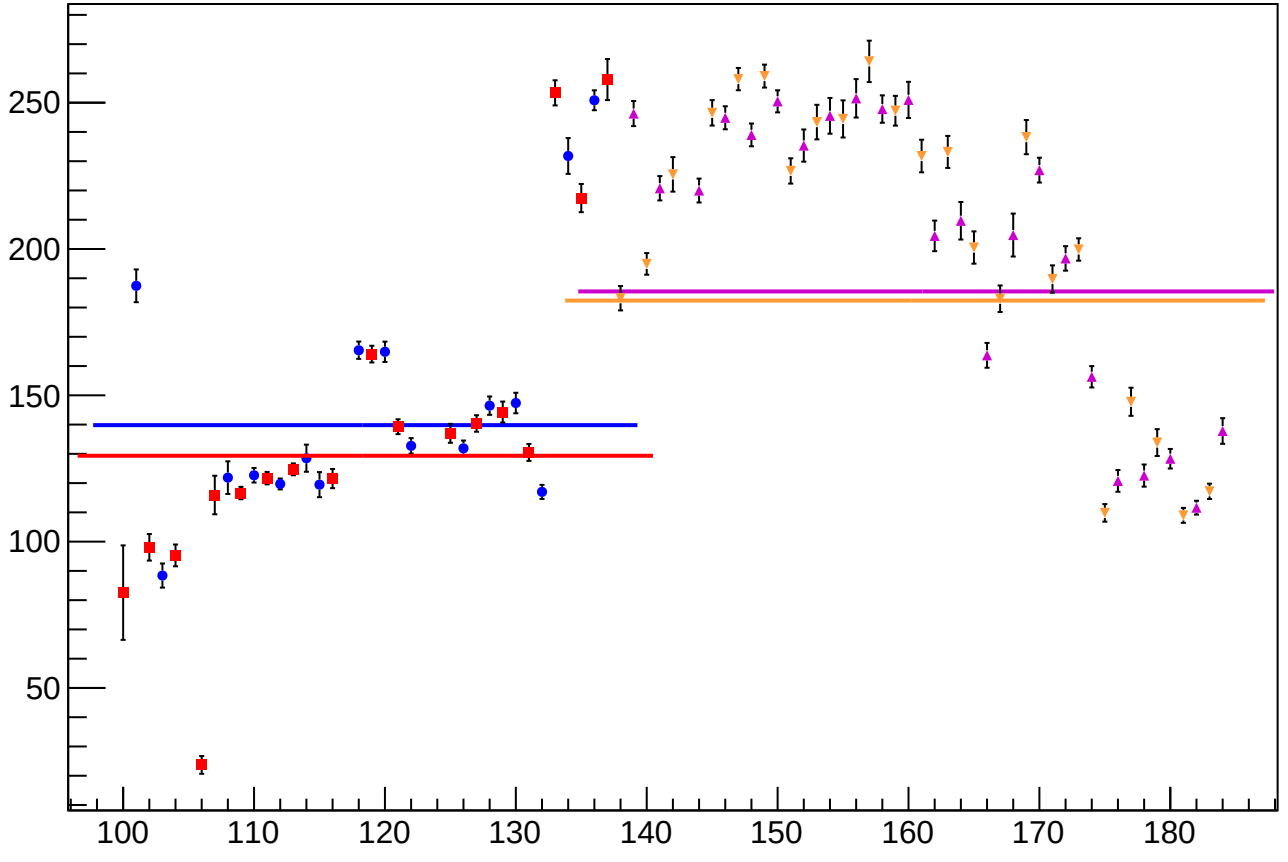
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -148.501+/-0.041 χ^2/NDF: 311354.4/38

All: -138.984+/-0.028 χ^2/NDF: 1957757.3/79

- sign -130.954+/-0.038 χ^2/NDF: 1547397.0/40

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

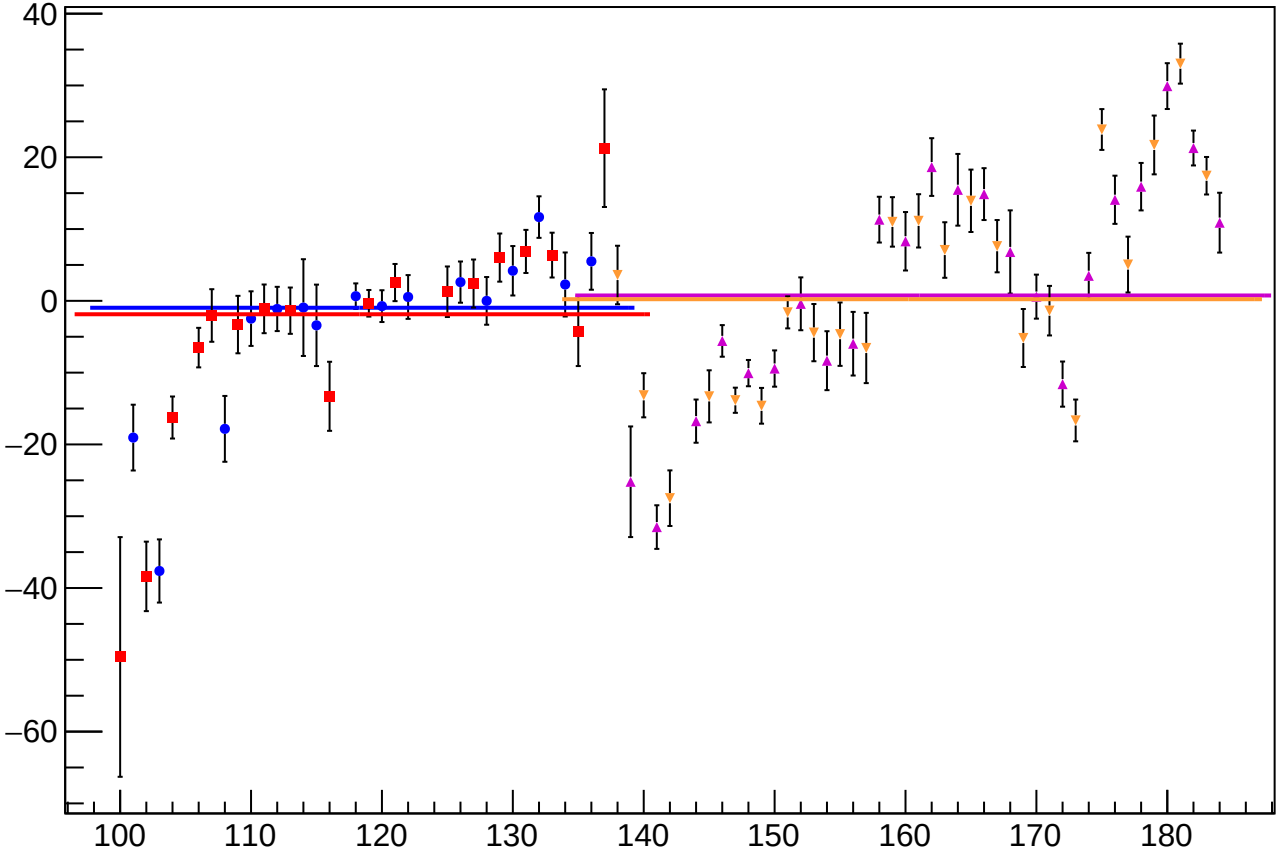
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 158.770+/-0.584 χ^2/NDF: 7426.0/38

All: 155.578+/-0.405 χ^2/NDF: 16854.3/79

- sign 152.627+/-0.562 χ^2/NDF: 9370.8/40

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

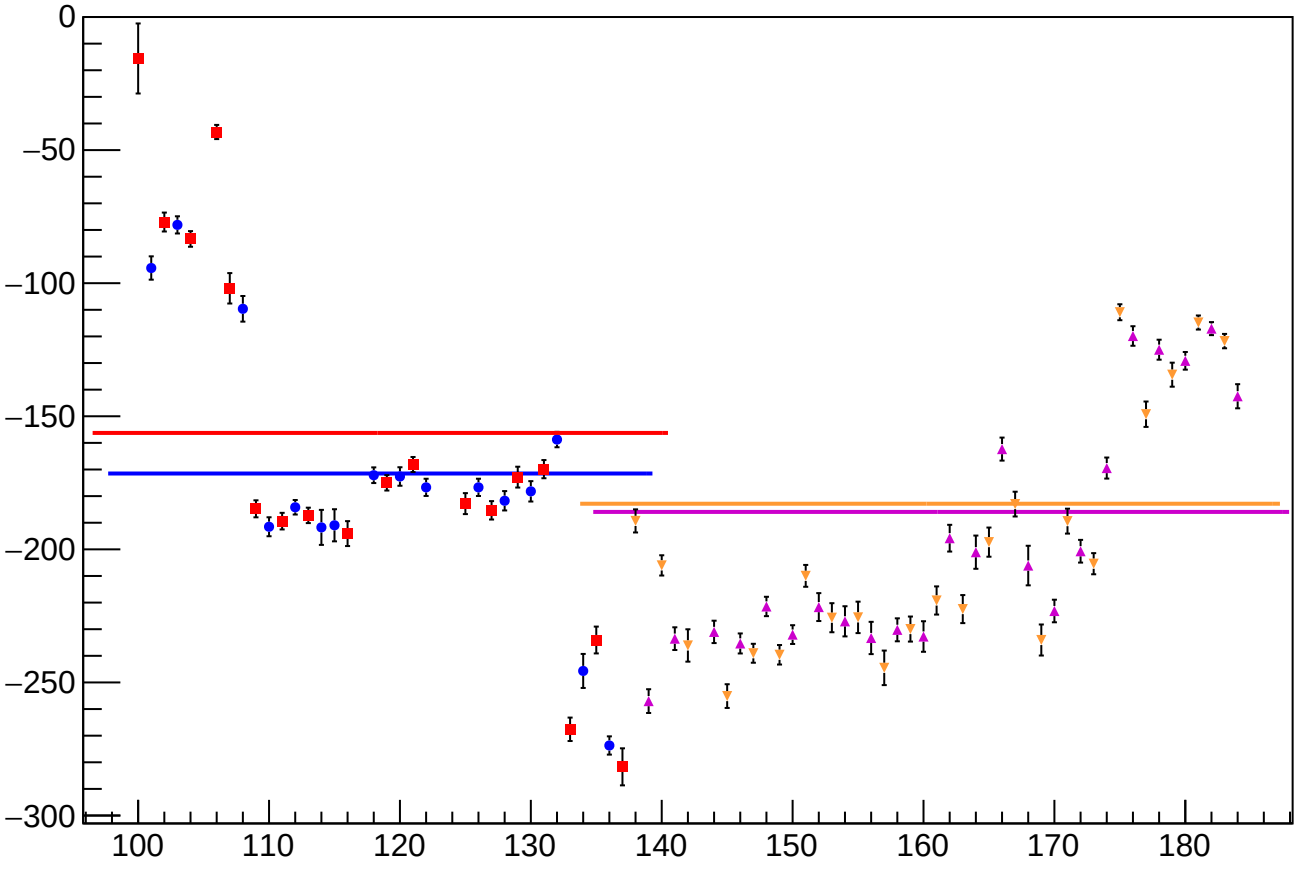
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -0.249+/-0.511 χ^2/NDF: 669.2/38

All: -0.299+/-0.360 χ^2/NDF: 1306.6/79

- sign -0.349+/-0.507 χ^2/NDF: 637.4/40

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

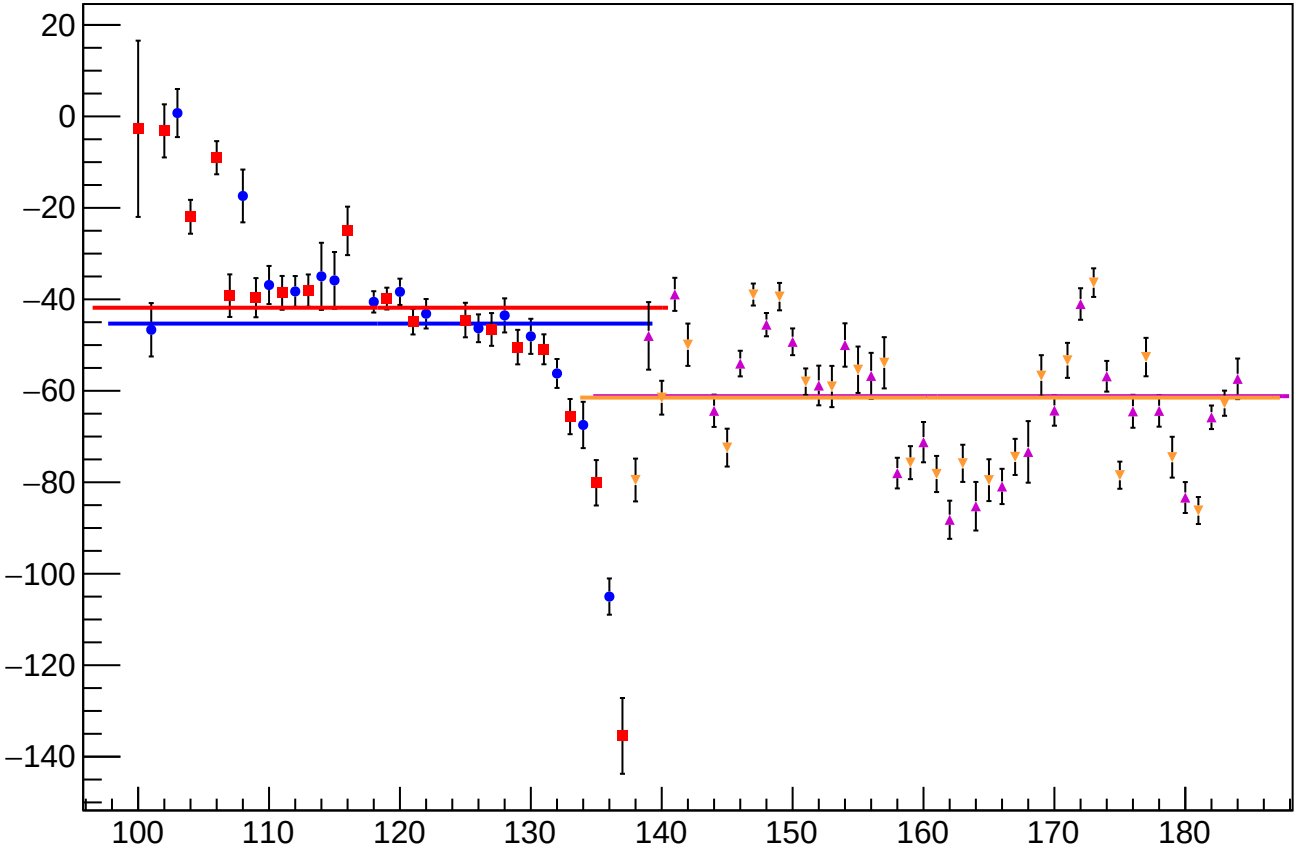
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -177.411+/-0.628 χ^2/NDF: 5879.0/38

All: -173.964+/-0.436 χ^2/NDF: 14622.2/79

- sign -170.757+/-0.606 χ^2/NDF: 8685.1/40

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

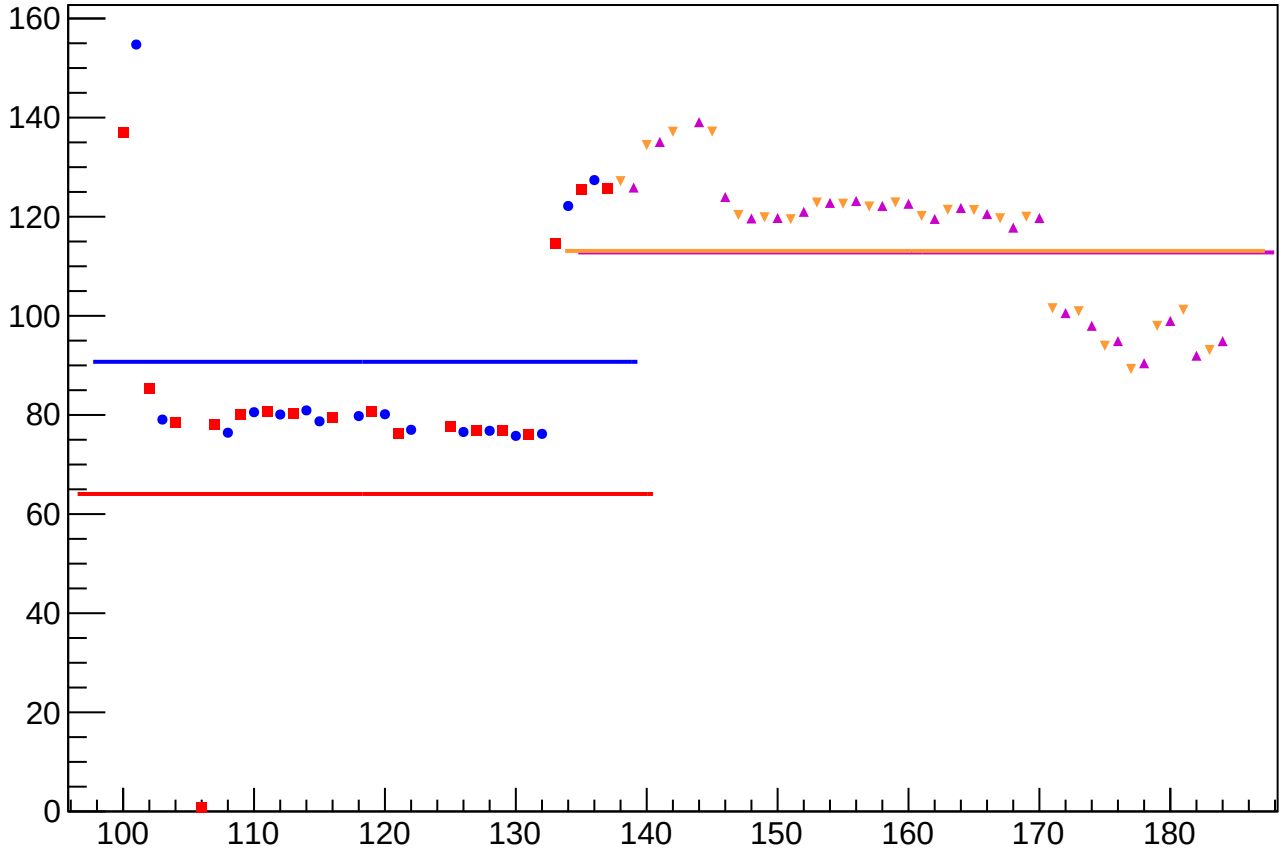
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -55.103+/-0.589 χ^2/NDF: 995.8/38

All: -54.169+/-0.414 χ^2/NDF: 1999.2/79

- sign -53.257+/-0.582 χ^2/NDF: 998.4/40

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

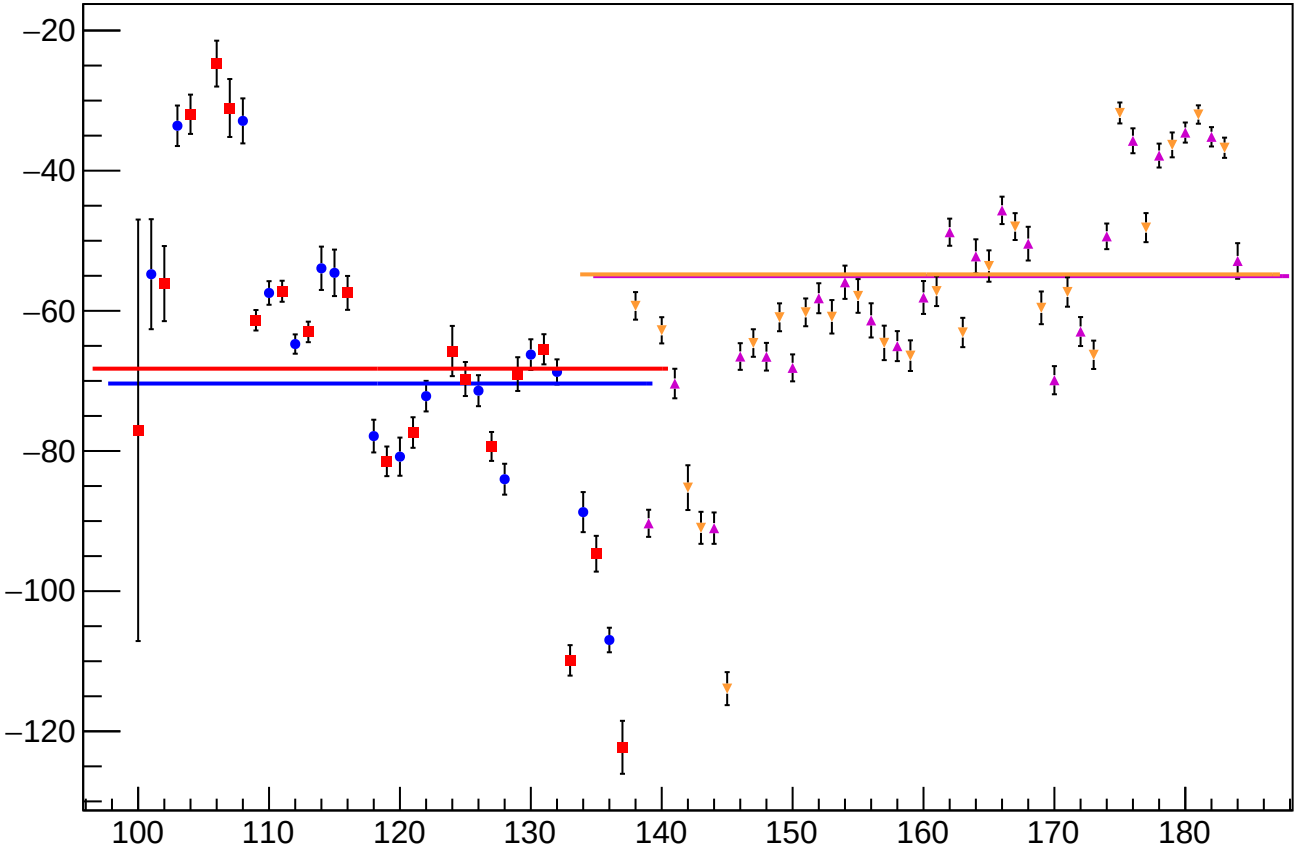
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 107.181+/-0.030 χ^2/NDF: 434109.6/38

All: 101.669+/-0.021 χ^2/NDF: 1986777.7/79

- sign 96.814+/-0.028 χ^2/NDF: 1489508.5/40

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

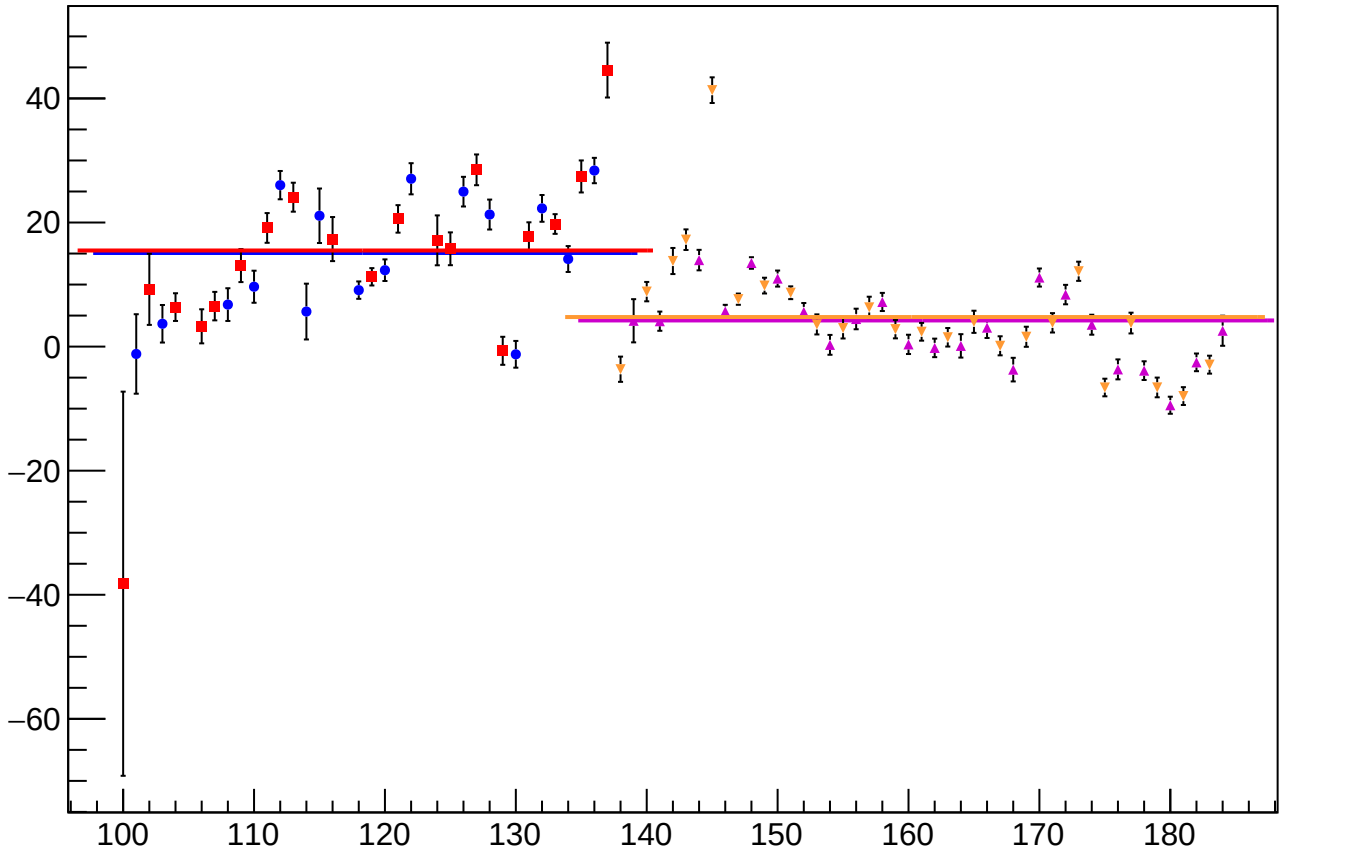
Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

\+ sign -60.153+/-0.327 χ^2/NDF: 3458.4/39

All: -60.095+/-0.230 χ^2/NDF: 6697.1/81

\- sign -60.038+/-0.324 χ^2/NDF: 3238.7/41



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

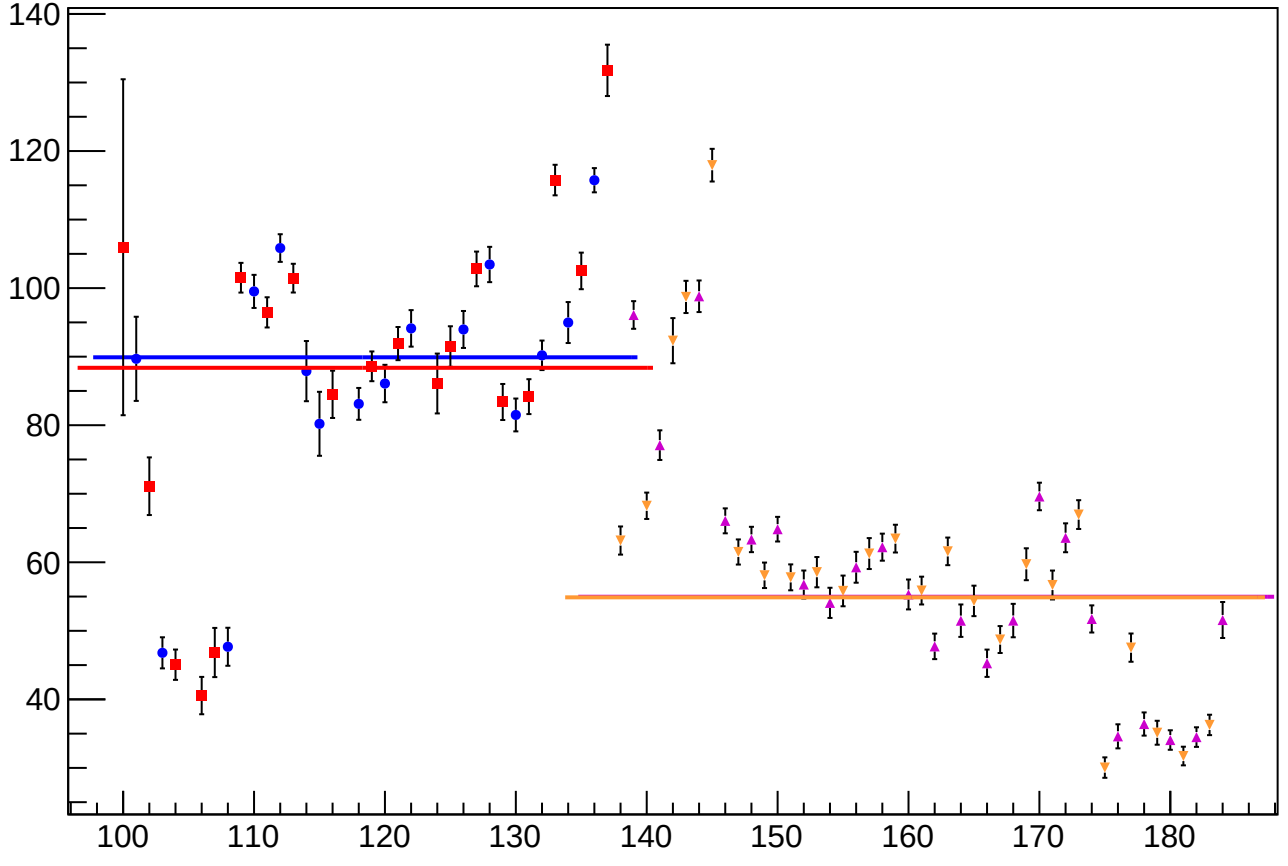
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 6.975+/-0.269 χ^2/NDF: 1212.8/39

All: 6.940+/-0.191 χ^2/NDF: 2177.9/81

- sign 6.904+/-0.273 χ^2/NDF: 965.1/41

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

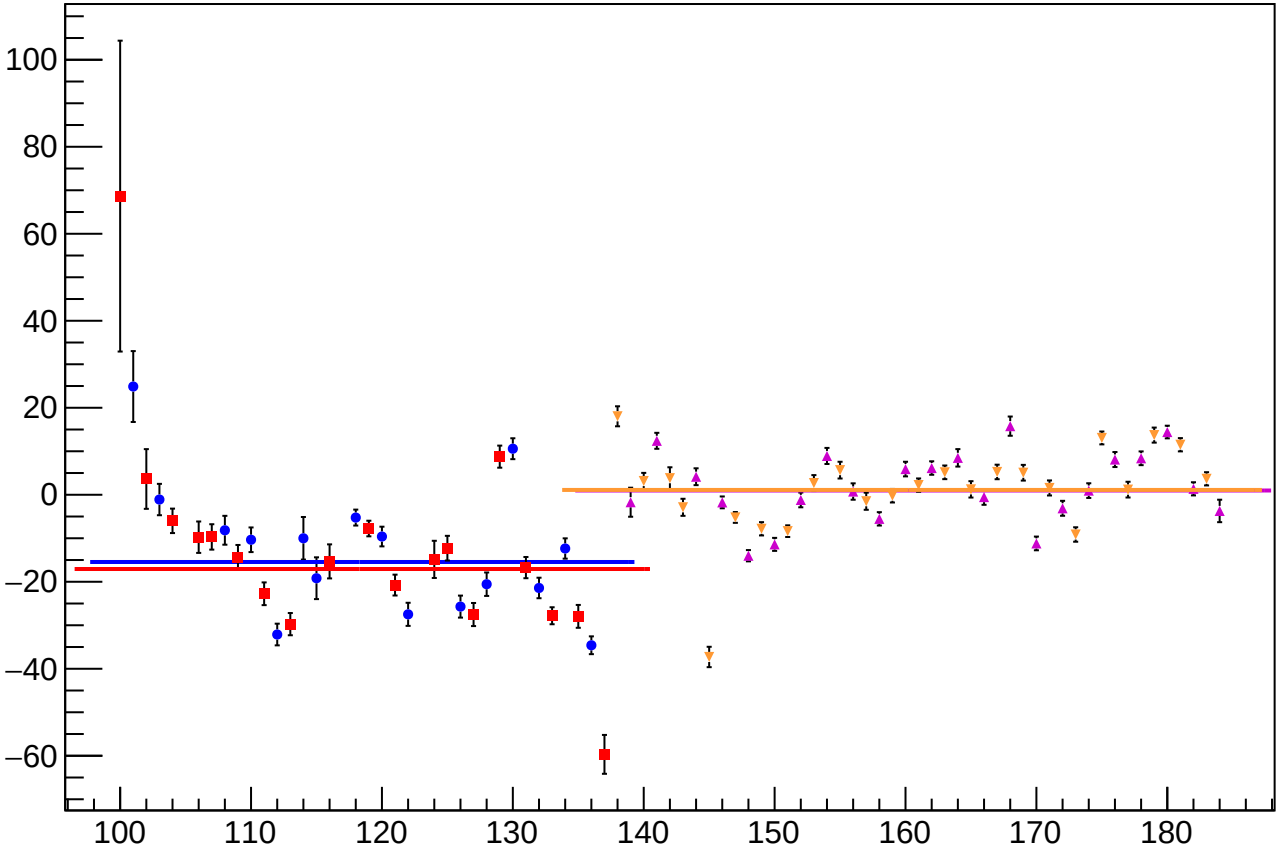
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

\+ sign 64.697+/-0.339 χ^2/NDF: 5311.3/39

All: 64.869+/-0.240 χ^2/NDF: 10425.7/81

\- sign 65.041+/-0.339 χ^2/NDF: 5113.9/41

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

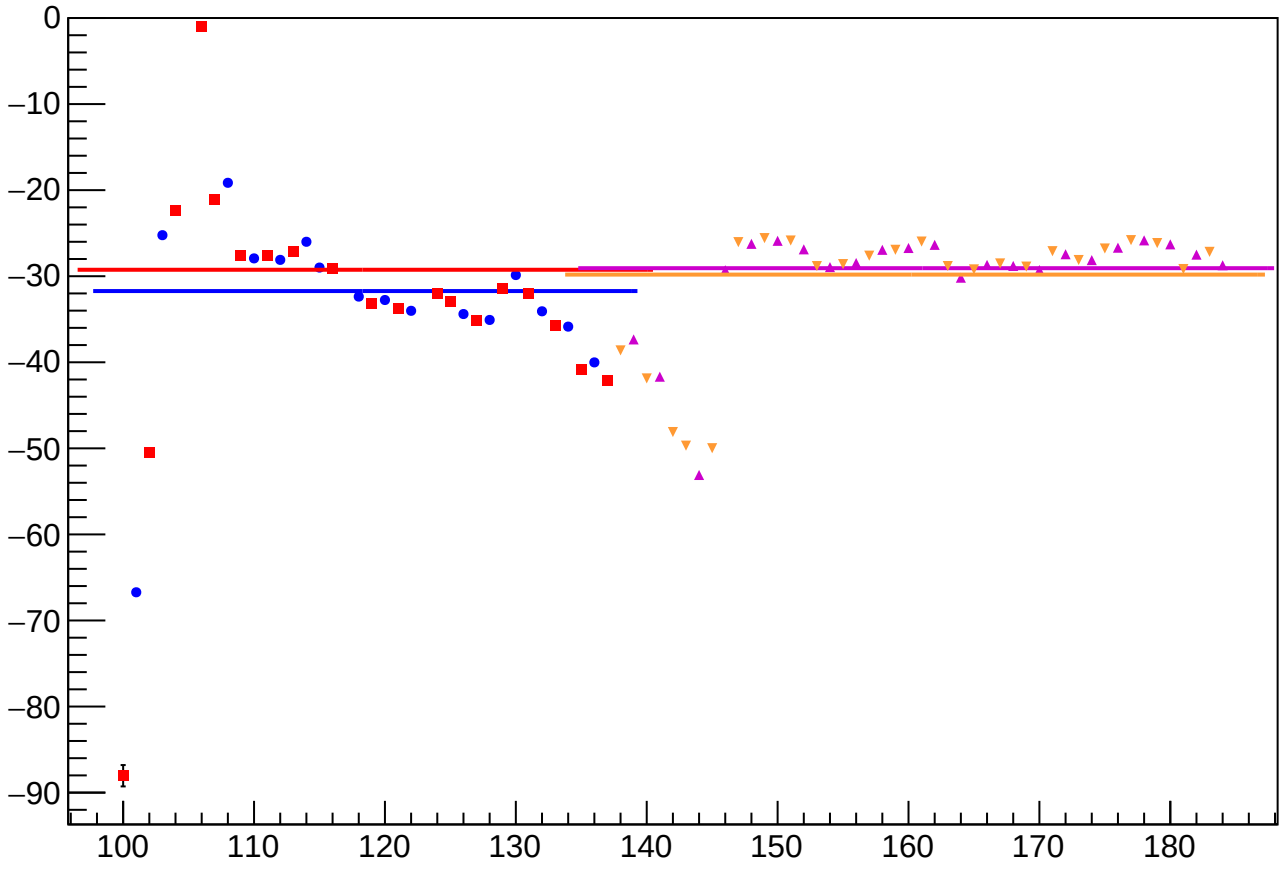
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.403+/-0.306 χ^2/NDF: 1546.9/39

All: -2.797+/-0.218 χ^2/NDF: 3073.8/81

\- sign -3.199+/-0.310 χ^2/NDF: 1523.6/41



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

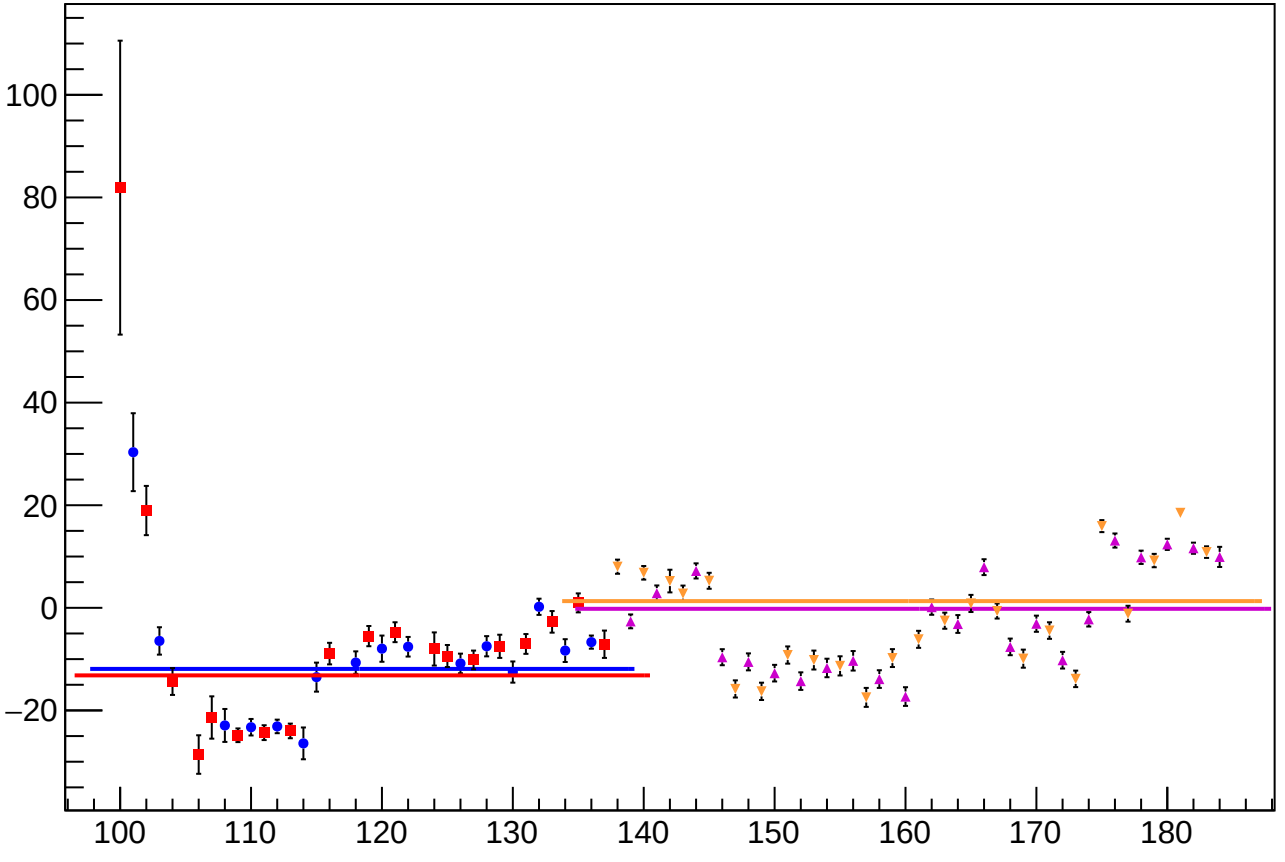
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.085+/-0.015 χ^2/NDF: 204559.9/39

All: -29.591+/-0.010 χ^2/NDF: 403672.6/81

- sign -29.094+/-0.015 χ^2/NDF: 196801.0/41

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

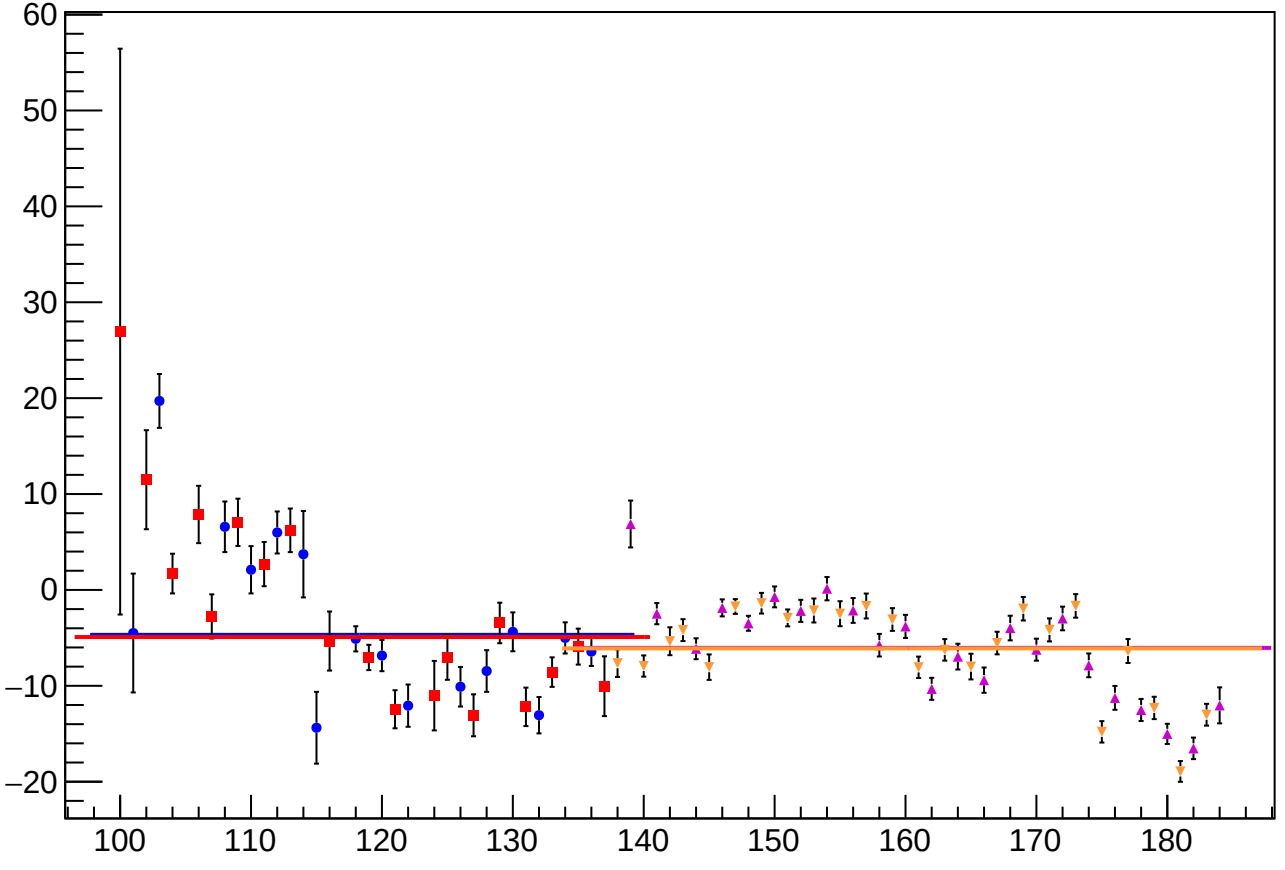
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -2.345+/-0.261 χ^2/NDF: 2066.7/39

All: -3.210+/-0.185 χ^2/NDF: 4004.3/81

- sign -4.089+/-0.263 χ^2/NDF: 1915.5/41

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

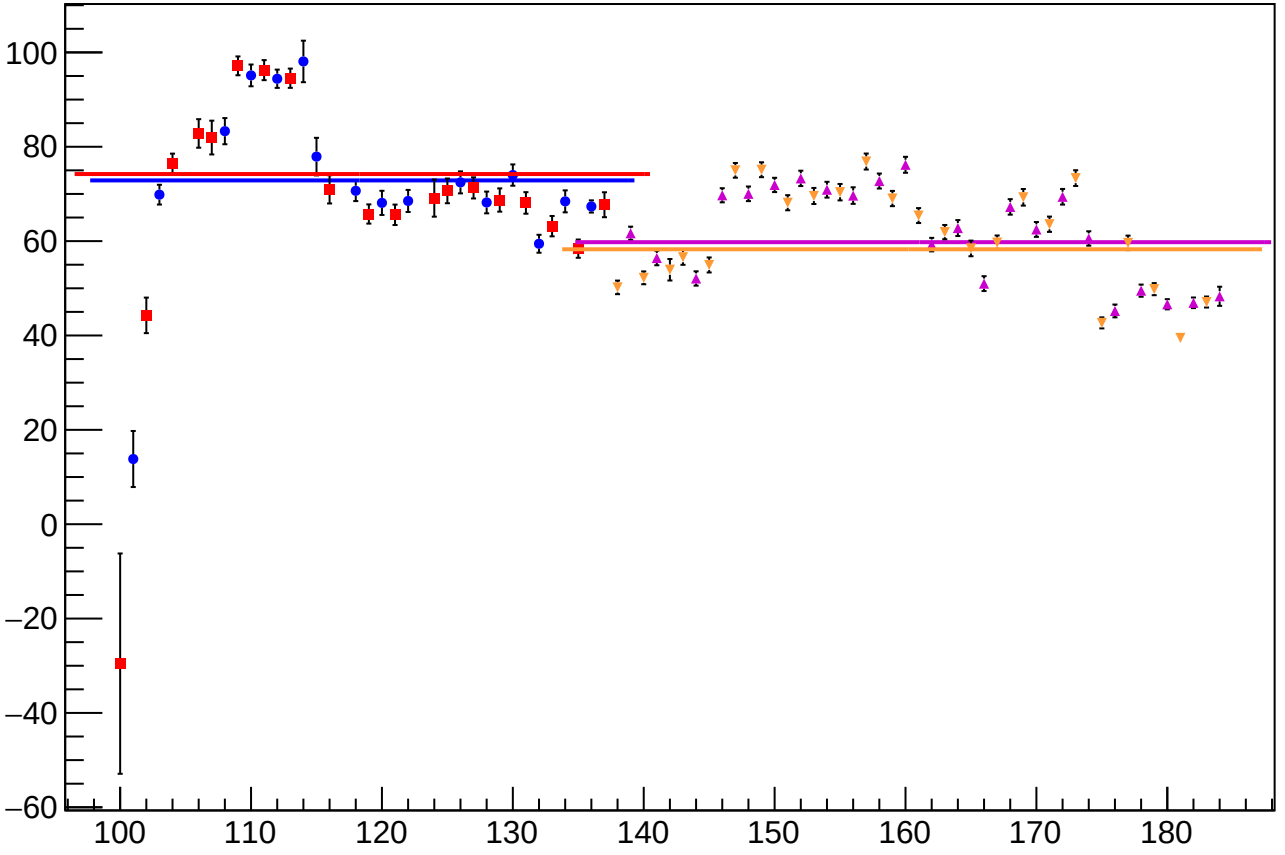
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.857+/-0.214 χ^2/NDF: 593.9/39

All: -5.847+/-0.153 χ^2/NDF: 1149.9/81

- sign -5.836+/-0.219 χ^2/NDF: 556.0/41

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

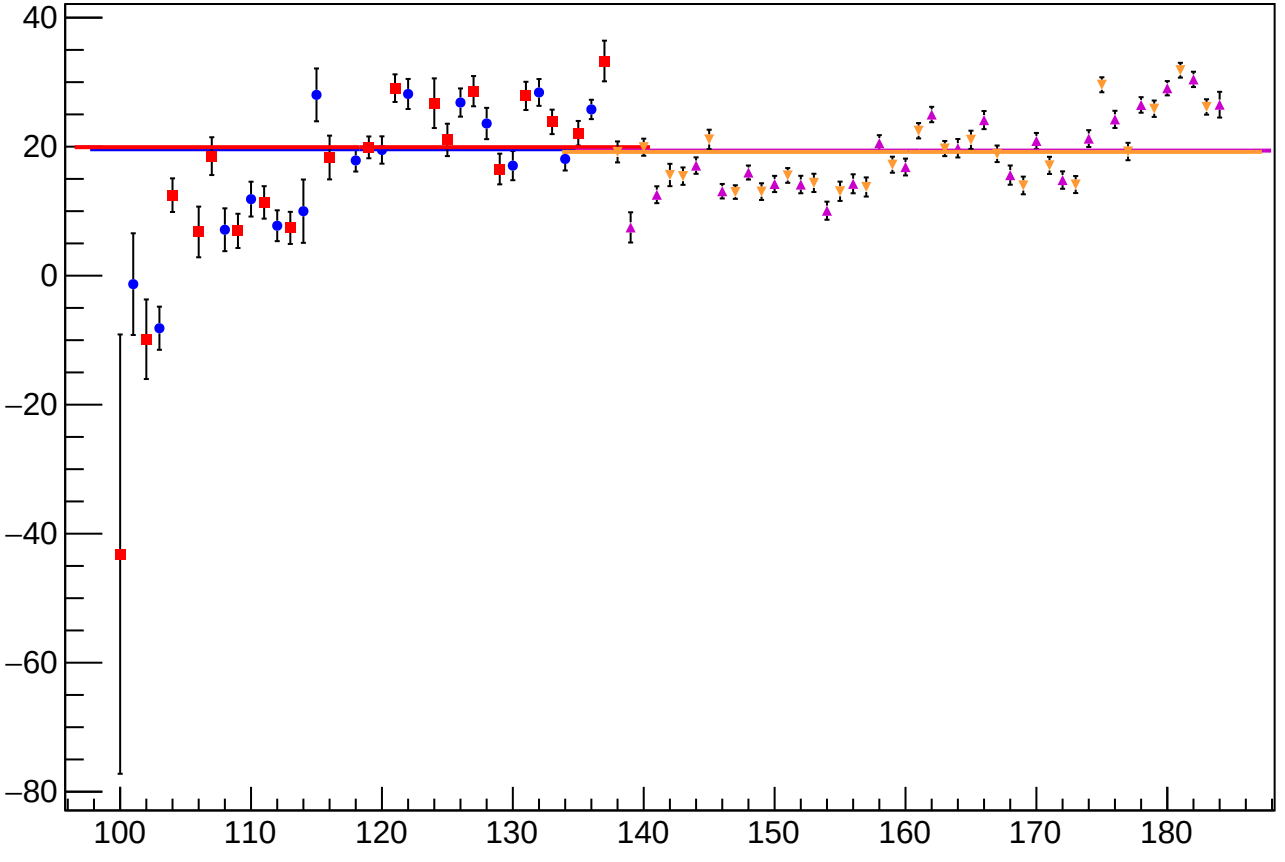
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 61.561+/-0.268 χ^2/NDF: 2360.2/39

All: 62.353+/-0.191 χ^2/NDF: 4539.3/81

\- sign 63.169+/-0.273 χ^2/NDF: 2161.4/41

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

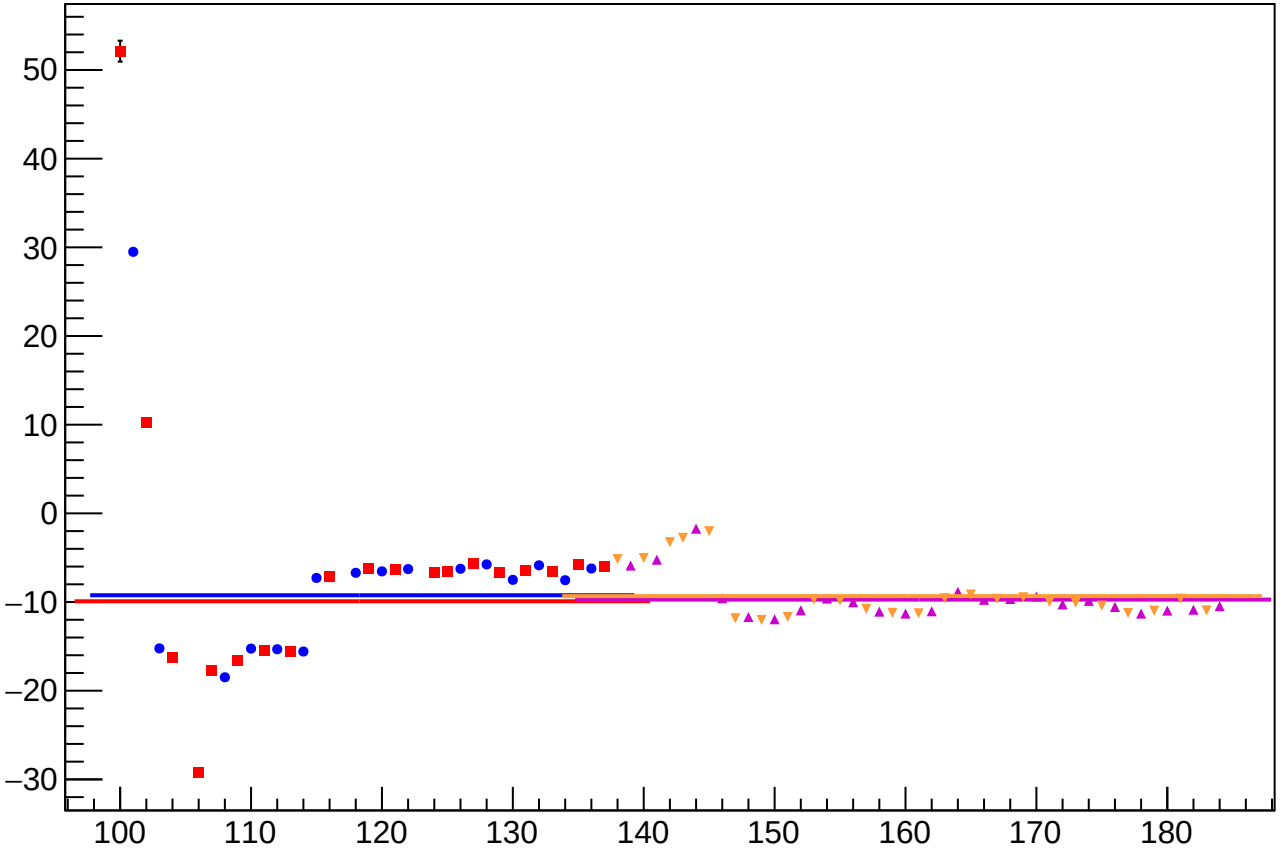
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 19.261+/-0.242 χ^2/NDF: 627.1/39

All: 19.370+/-0.173 χ^2/NDF: 1277.2/81

- sign 19.485+/-0.248 χ^2/NDF: 649.7/41

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

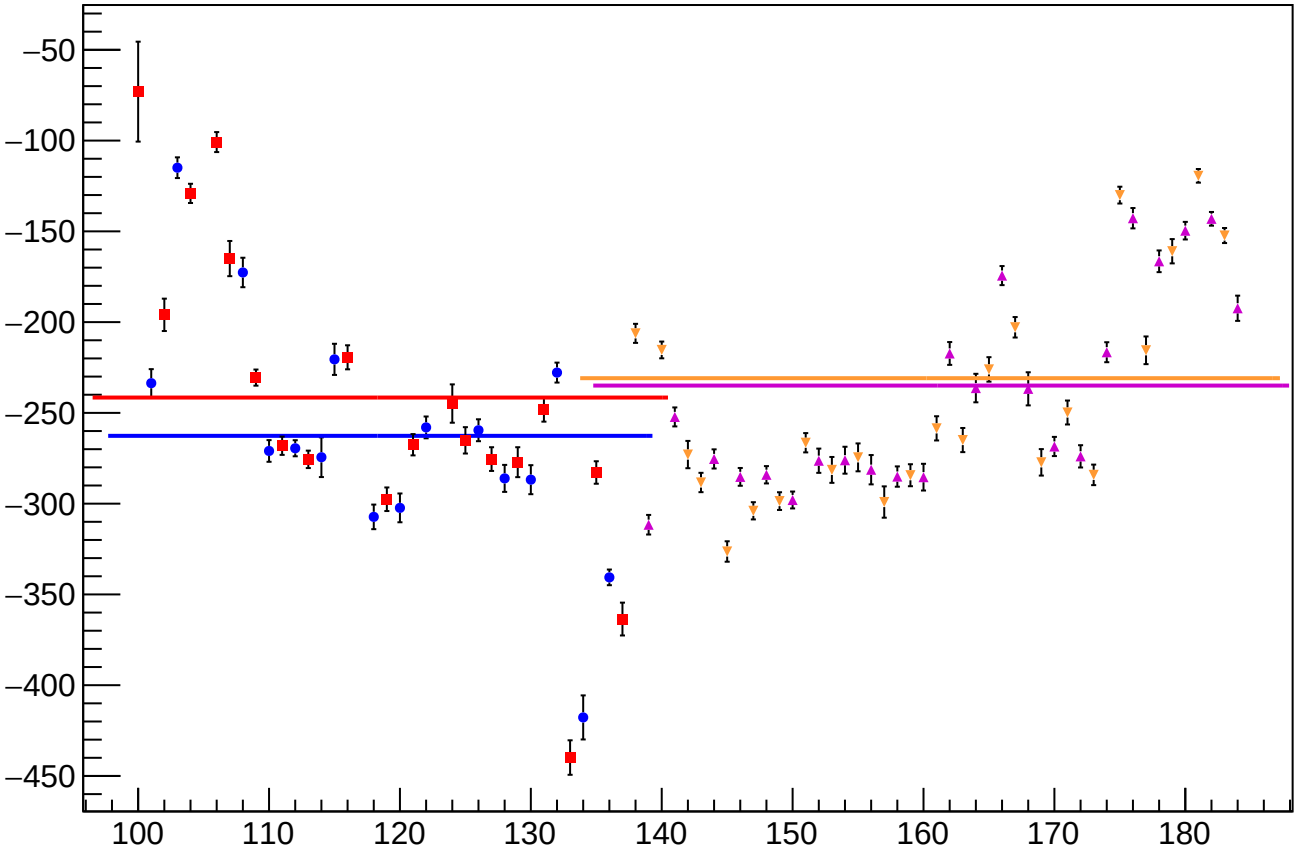
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.321+/-0.011 χ^2/NDF: 80389.7/39

All: -9.530+/-0.008 χ^2/NDF: 166935.0/81

- sign -9.746+/-0.011 χ^2/NDF: 85841.2/41

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

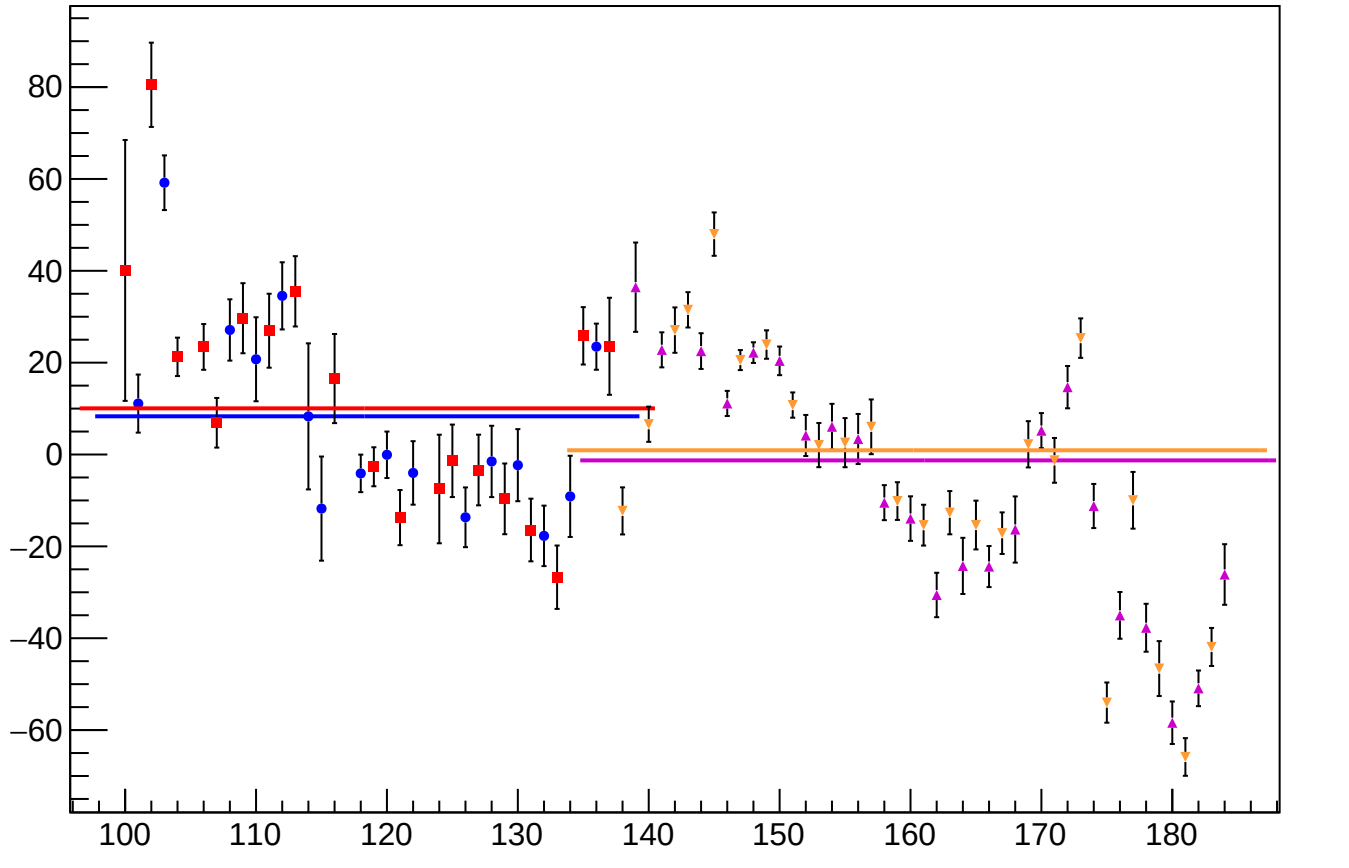
Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

\+ sign -241.603+/-0.938 χ^2/NDF: 4909.1/39

All: -239.502+/-0.659 χ^2/NDF: 9539.7/81

\- sign -237.449+/-0.927 χ^2/NDF: 4620.7/41



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

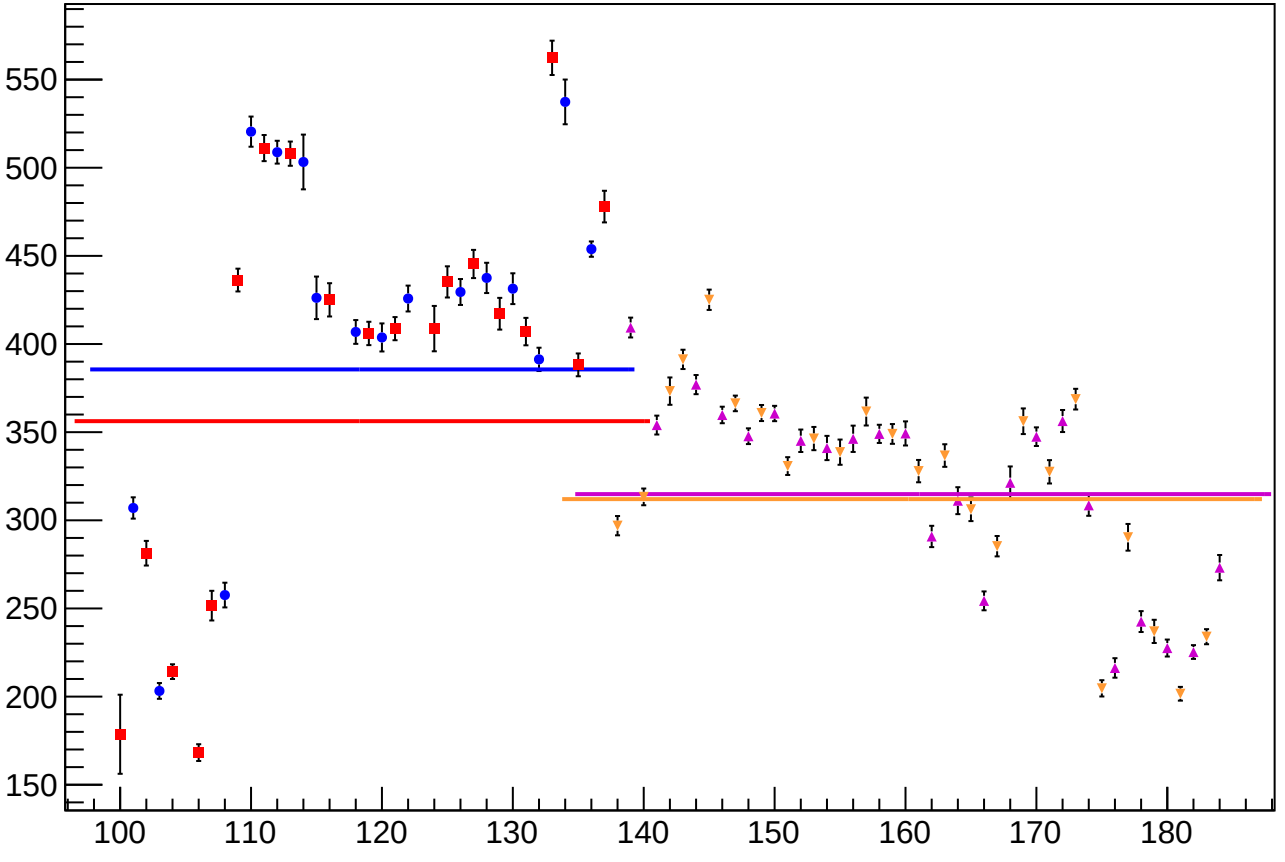
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 2.459+/-0.749 χ^2/NDF: 1205.9/39

All: 1.964+/-0.532 χ^2/NDF: 2246.5/81

\- sign 1.459+/-0.757 χ^2/NDF: 1039.8/41

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

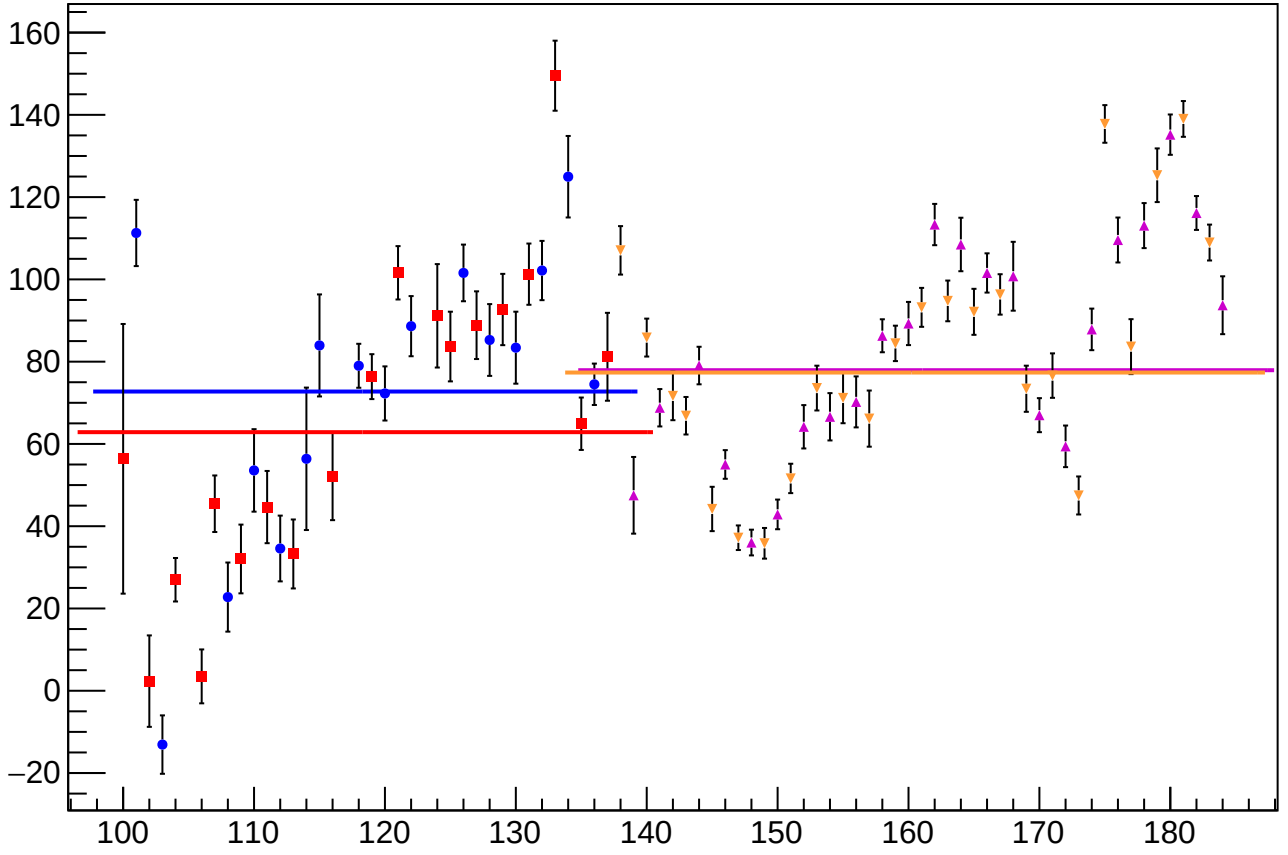
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 334.131+/-0.955 χ^2/NDF: 7680.5/39

All: 331.354+/-0.673 χ^2/NDF: 15818.4/81

- sign 328.612+/-0.949 χ^2/NDF: 8121.1/41

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

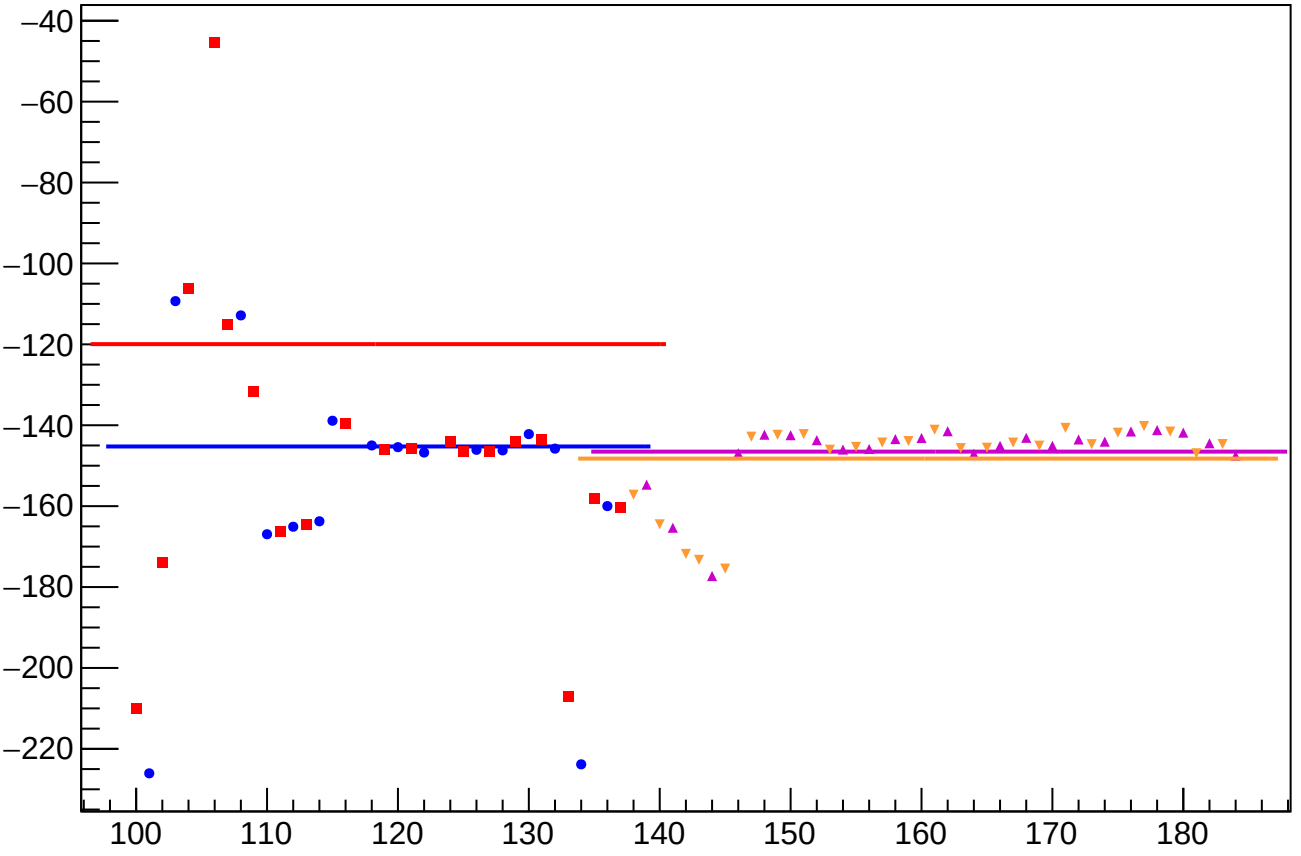
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

\+ sign 76.397+/-0.866 χ^2/NDF: 1315.8/39

All: 75.391+/-0.614 χ^2/NDF: 2559.8/81

\- sign 74.372+/-0.871 χ^2/NDF: 1241.2/41

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

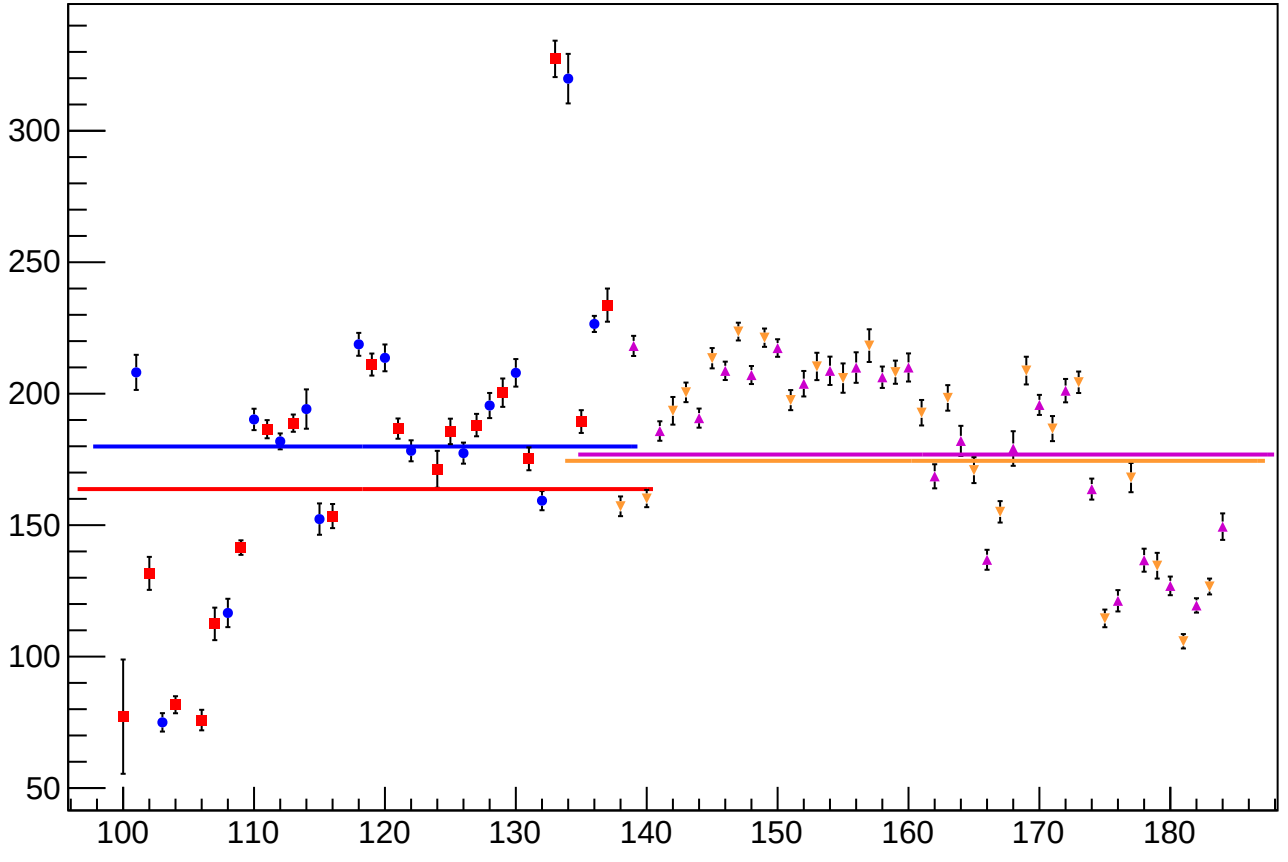
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -147.714+/-0.041 χ^2/NDF: 181504.5/39

All: -144.296+/-0.029 χ^2/NDF: 565164.8/81

- sign -141.004+/-0.041 χ^2/NDF: 370221.1/41

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

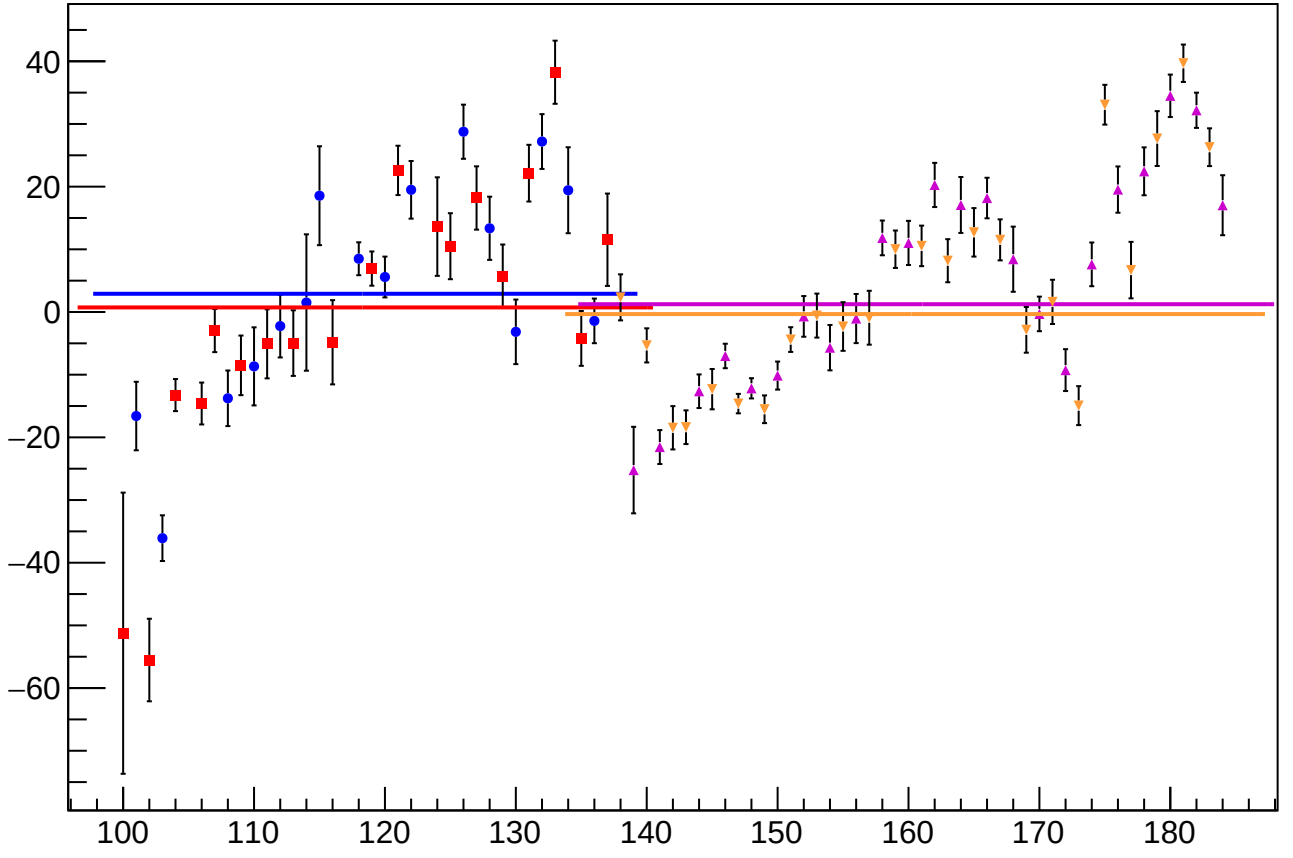
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 176.463+/-0.659 χ^2/NDF: 4001.7/39

All: 173.870+/-0.462 χ^2/NDF: 8305.5/81

- sign 171.376+/-0.647 χ^2/NDF: 4273.4/41

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

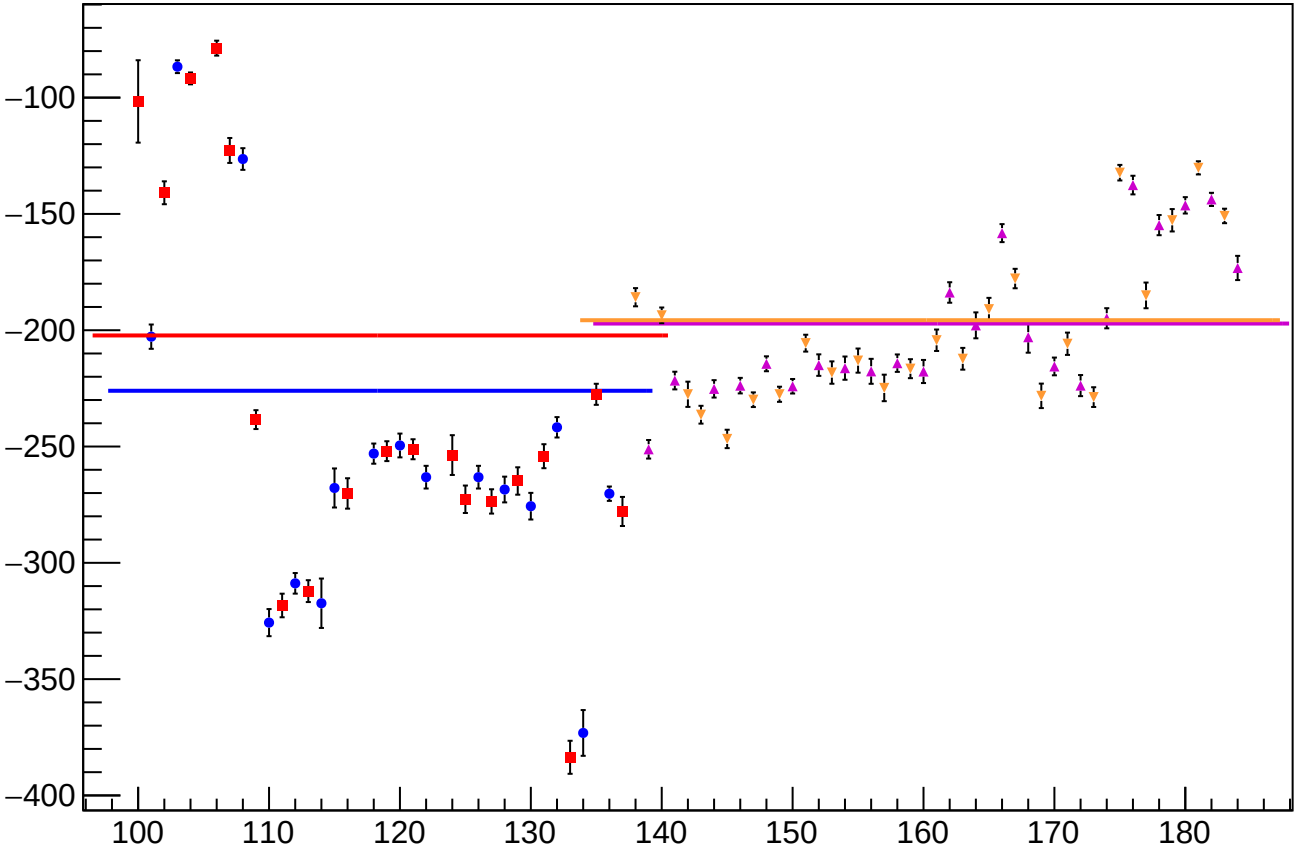
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign 0.414+/-0.530 χ^2/NDF: 969.6/39

All: 0.757+/-0.376 χ^2/NDF: 1864.8/81

- sign 1.102+/-0.532 χ^2/NDF: 894.3/41

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

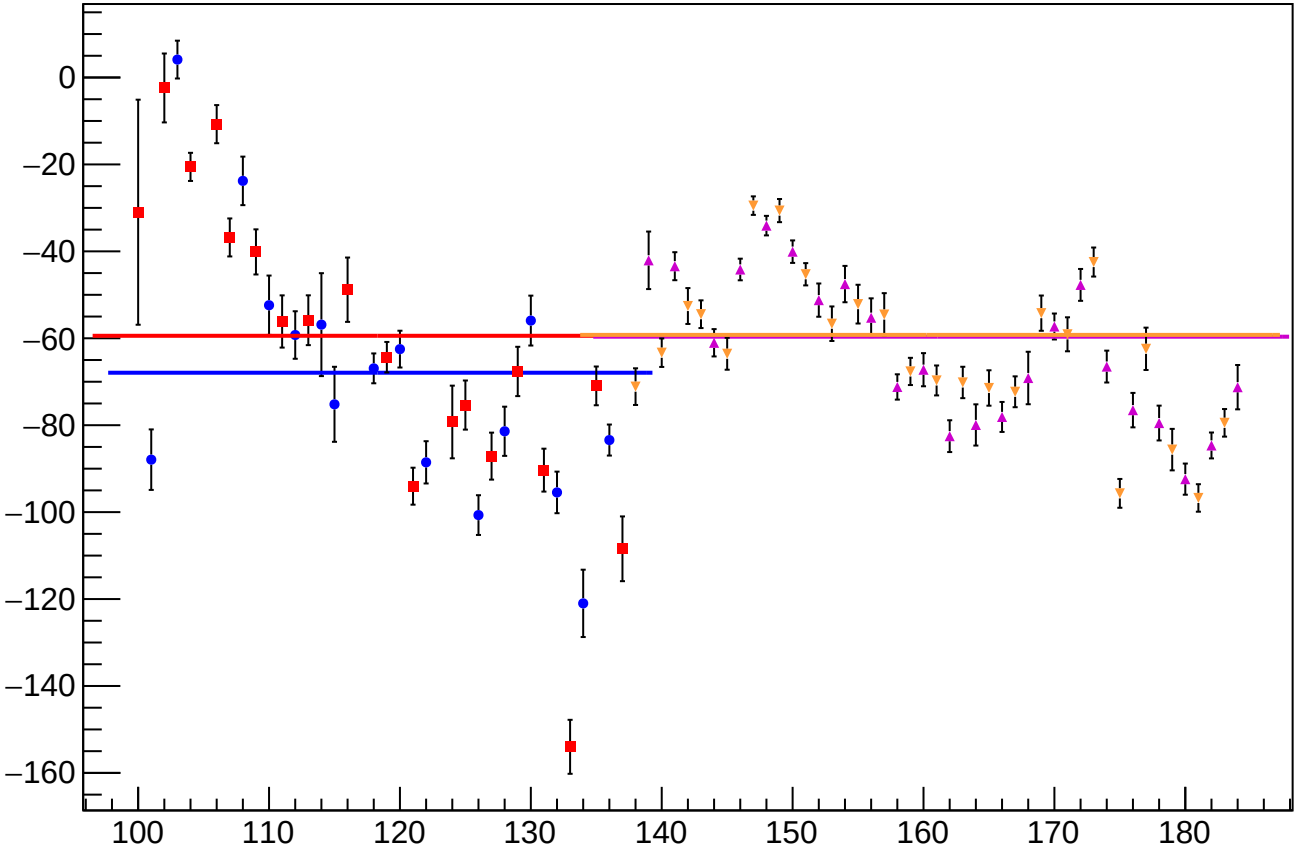
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -205.656+/-0.673 χ^2/NDF: 6934.9/39

All: -202.294+/-0.472 χ^2/NDF: 15290.2/81

- sign -199.033+/-0.663 χ^2/NDF: 8306.2/41

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

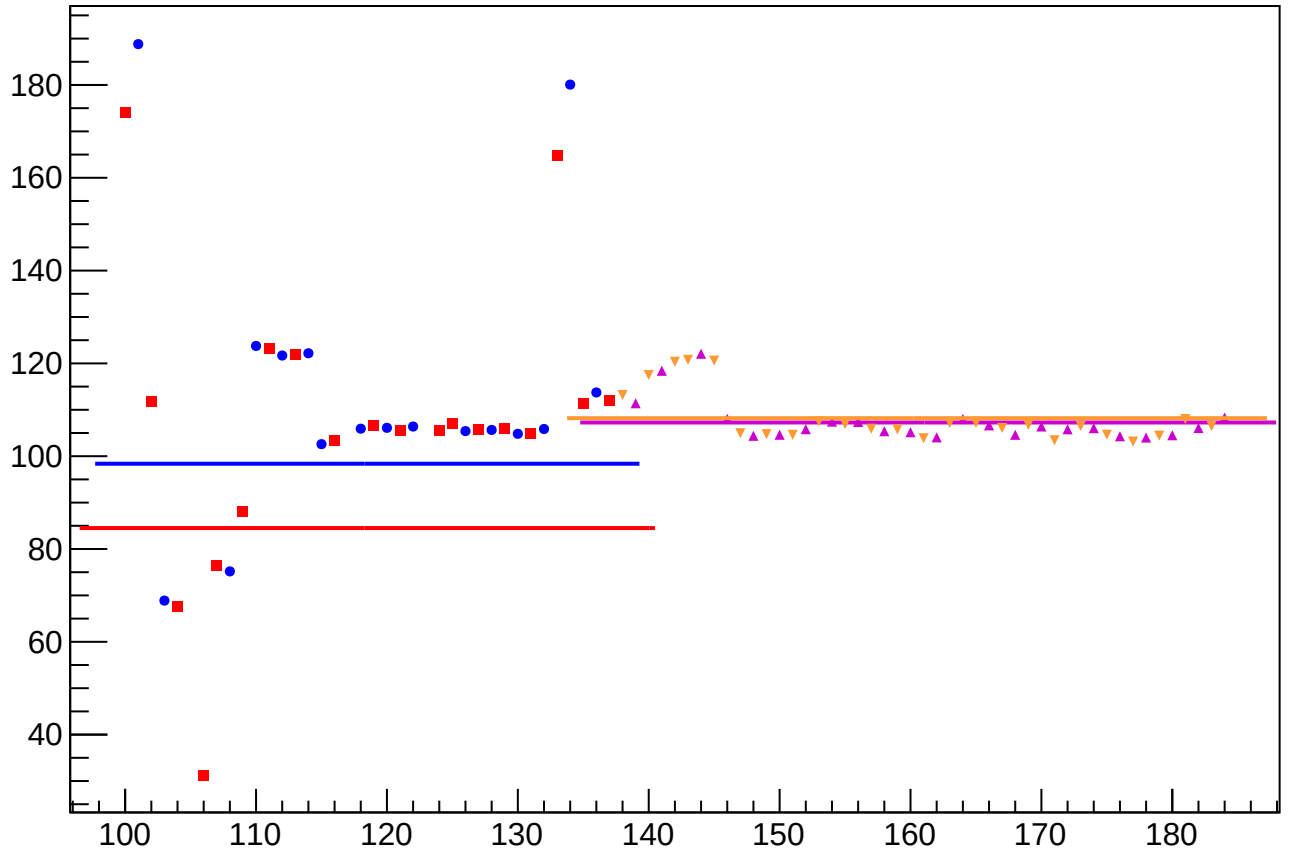
Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -61.227+/-0.614 χ^2/NDF: 1337.4/39

All: -60.404+/-0.434 χ^2/NDF: 2732.9/81

- sign -59.581+/-0.614 χ^2/NDF: 1391.9/41



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.199+/-0.033 χ^2/NDF:26223.6/23

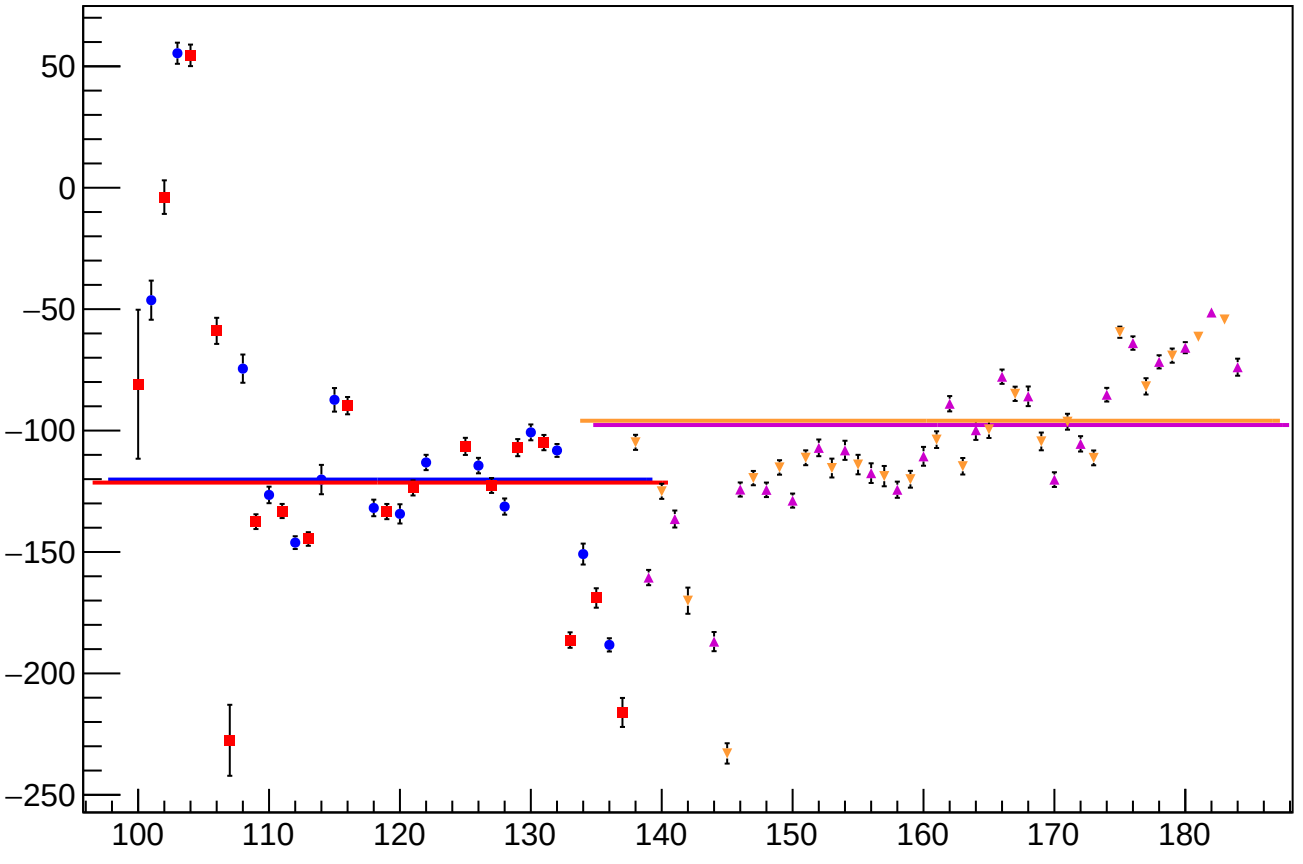
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

\+ sign 106.259+/-0.029 χ^2/NDF: 272393.8/39

All: 104.148+/-0.021 χ^2/NDF: 677262.9/81

\- sign 102.105+/-0.029 χ^2/NDF: 394691.5/41



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -95.950+/-0.641 χ^2/NDF:2770.2/22

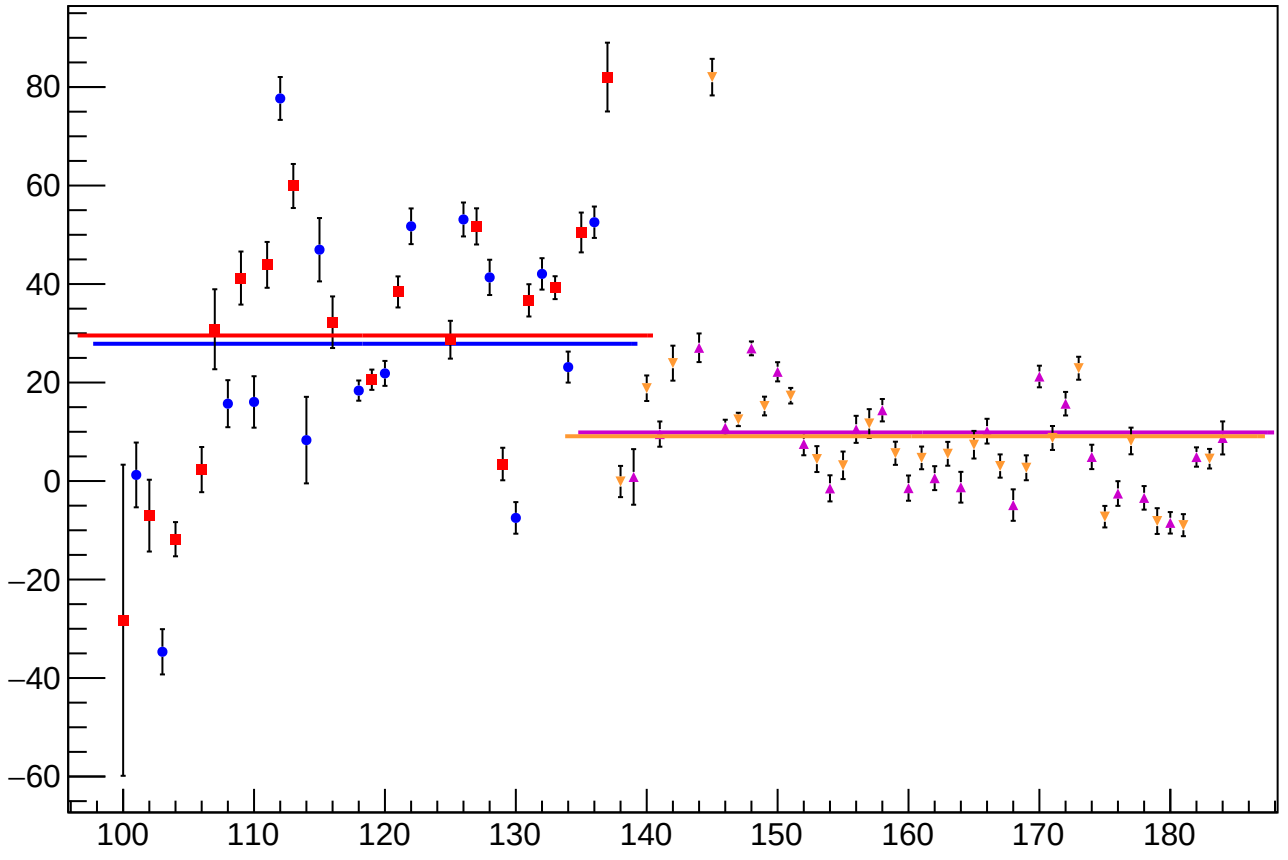
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -104.224+/-0.520 χ^2/NDF: 5948.8/38

All: -105.093+/-0.366 χ^2/NDF: 12200.2/79

- sign -105.947+/-0.516 χ^2/NDF: 6245.9/40



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

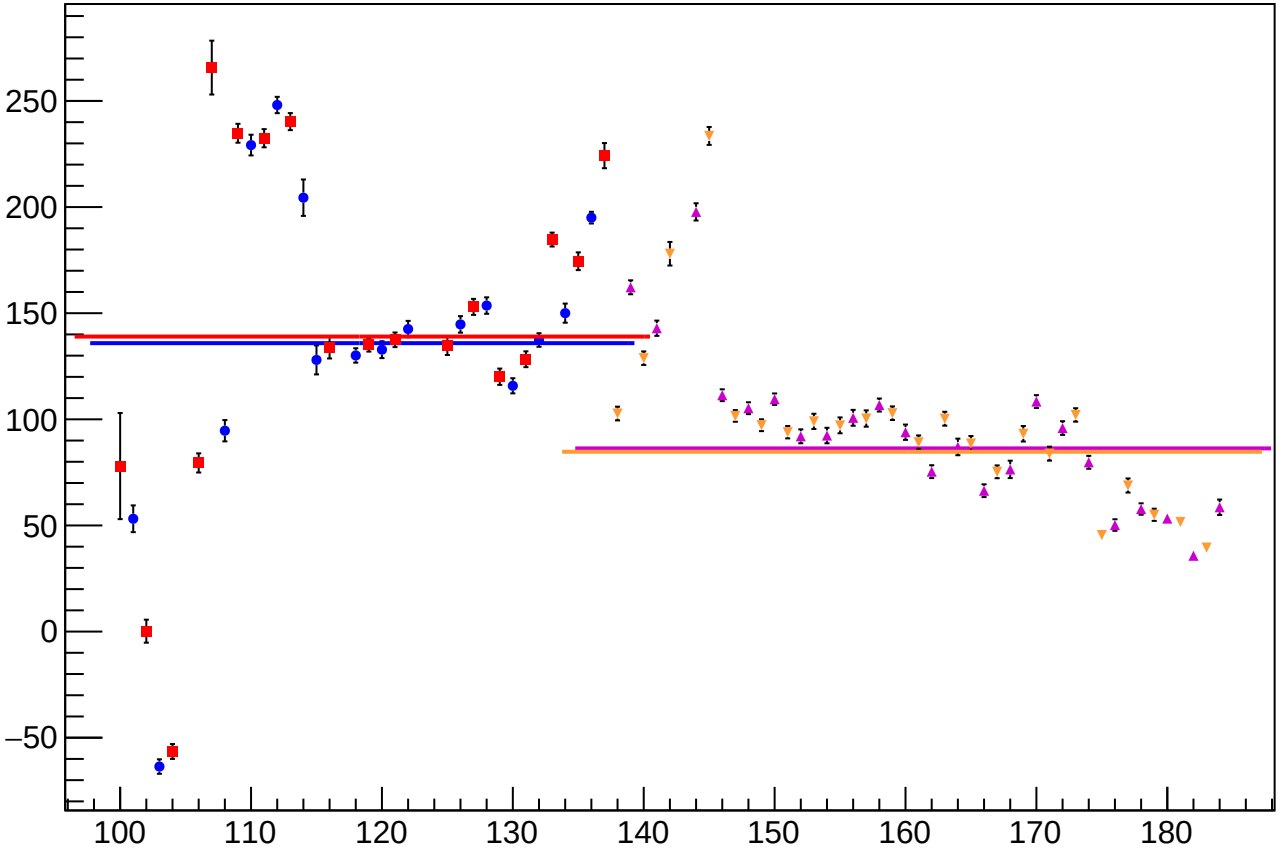
Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.362+/-0.423 χ^2/NDF: 1748.7/38

All: 13.876+/-0.301 χ^2/NDF: 3111.4/79

\- sign 14.398+/-0.427 χ^2/NDF: 1359.8/40

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 84.716+/-0.635 χ^2/NDF:3110.2/22

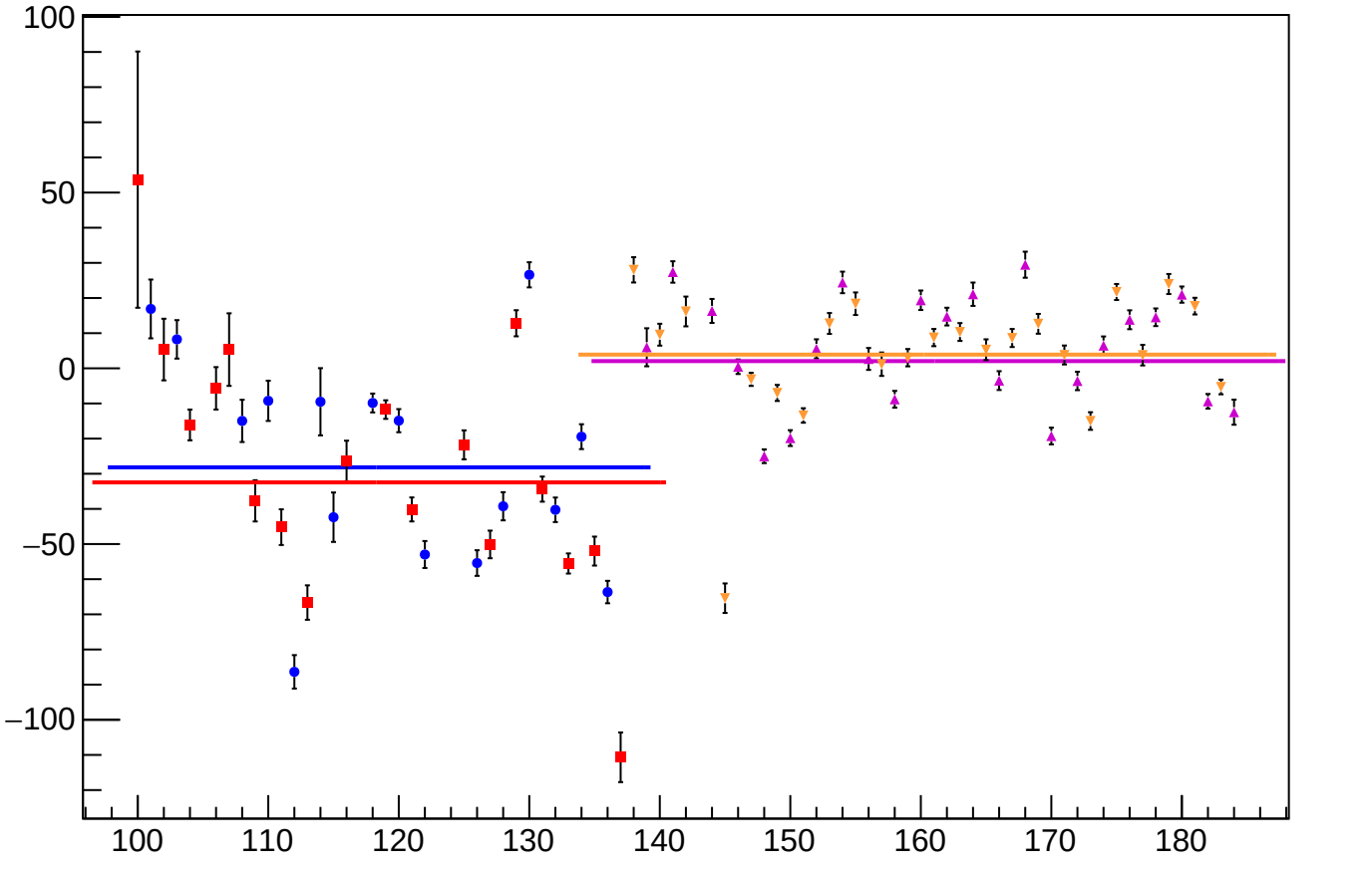
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

+ sign 99.450+/-0.536 χ^2/NDF: 10443.6/38

All: 100.412+/-0.378 χ^2/NDF: 21747.9/79

- sign 101.368+/-0.534 χ^2/NDF: 11297.9/40



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 3.897+/-0.549 χ^2/NDF:710.6/22

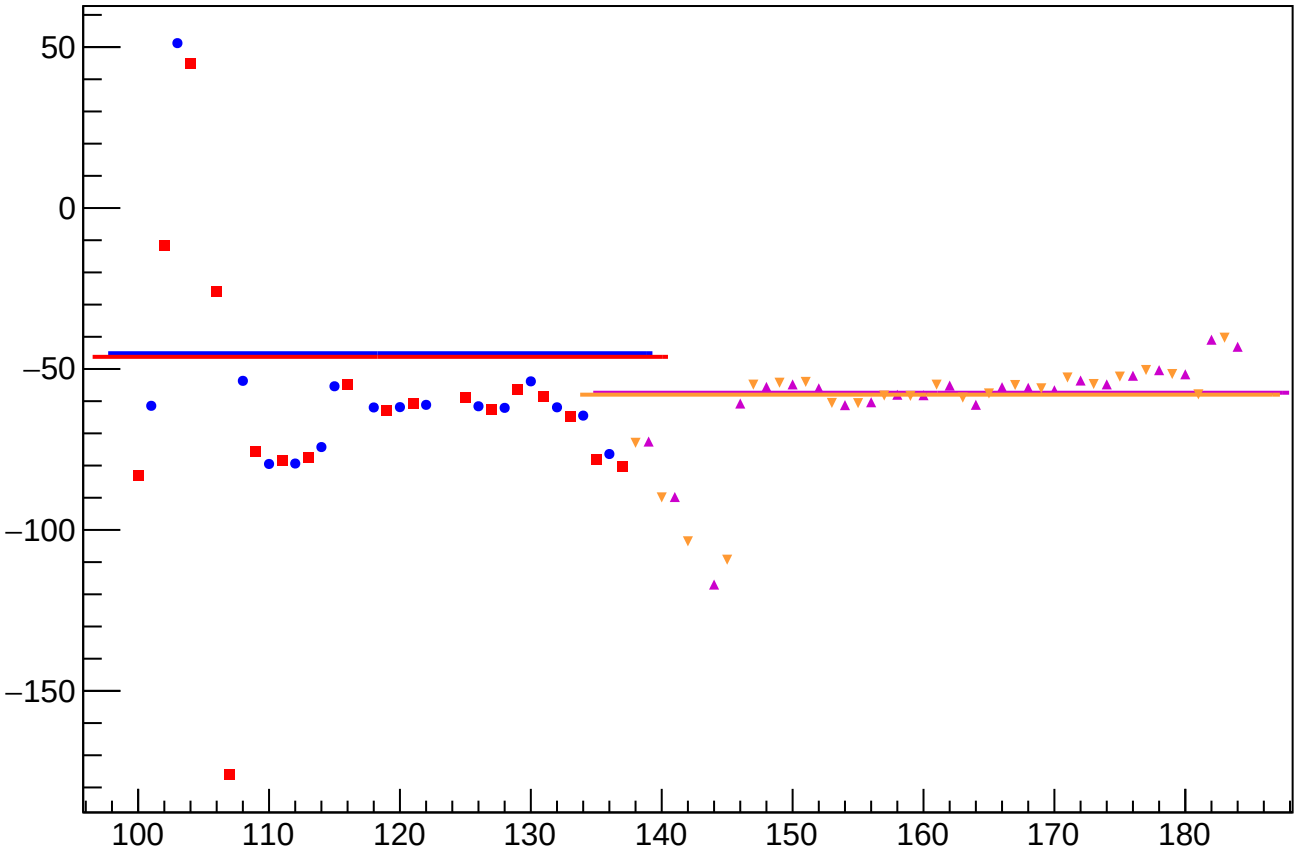
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.276+/-0.483 χ^2/NDF: 2266.0/38

All: -4.462+/-0.343 χ^2/NDF: 4586.0/79

- sign -5.659+/-0.486 χ^2/NDF: 2307.9/40



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

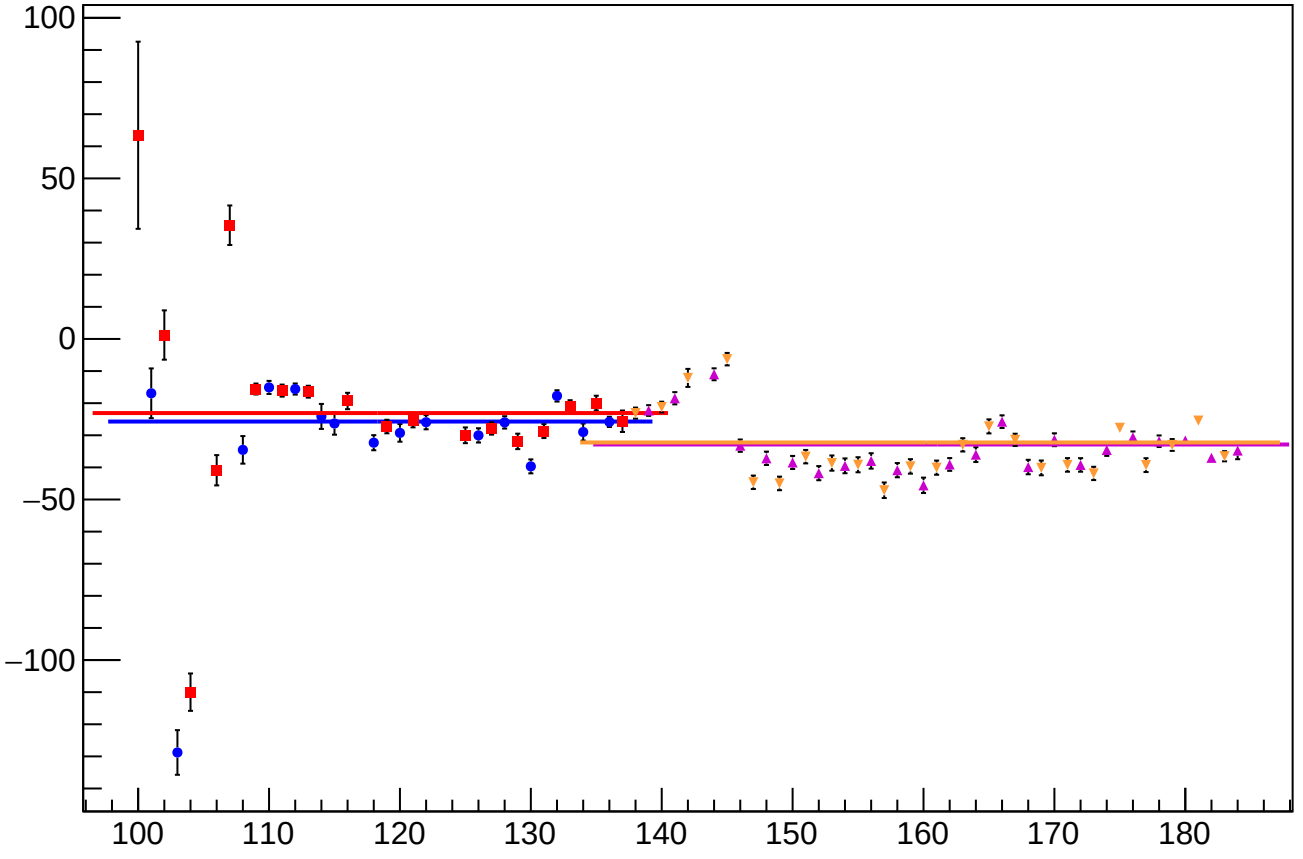
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.070+/-0.023 χ^2/NDF: 868365.6/38

All: -55.969+/-0.016 χ^2/NDF: 1616591.9/79

- sign -55.869+/-0.023 χ^2/NDF: 748188.4/40

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

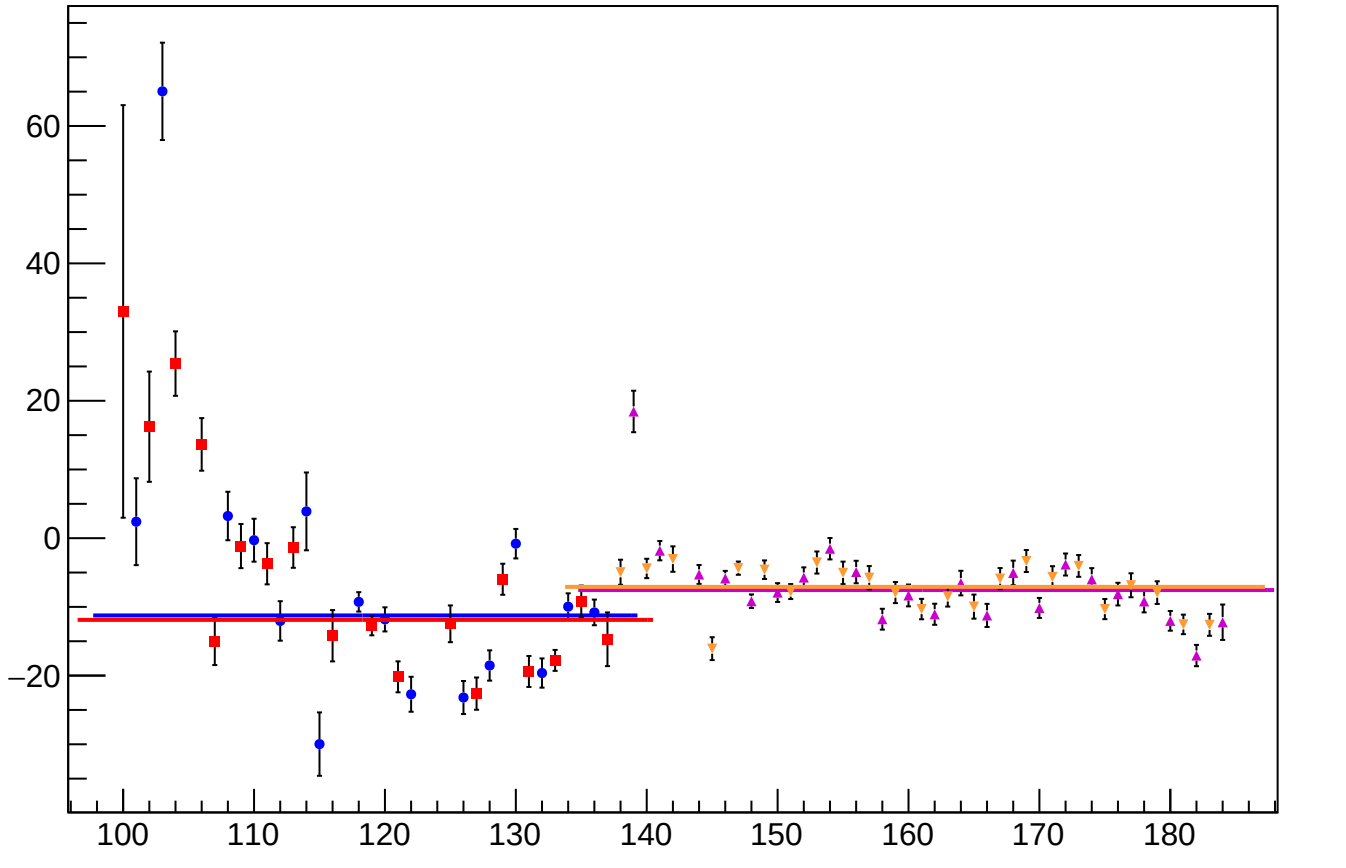
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -30.120+/-0.336 χ^2/NDF: 1003.8/38

All: -29.862+/-0.238 χ^2/NDF: 2004.0/79

- sign -29.605+/-0.336 χ^2/NDF: 999.0/40



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -7.086+/-0.311 χ^2/NDF:109.0/22

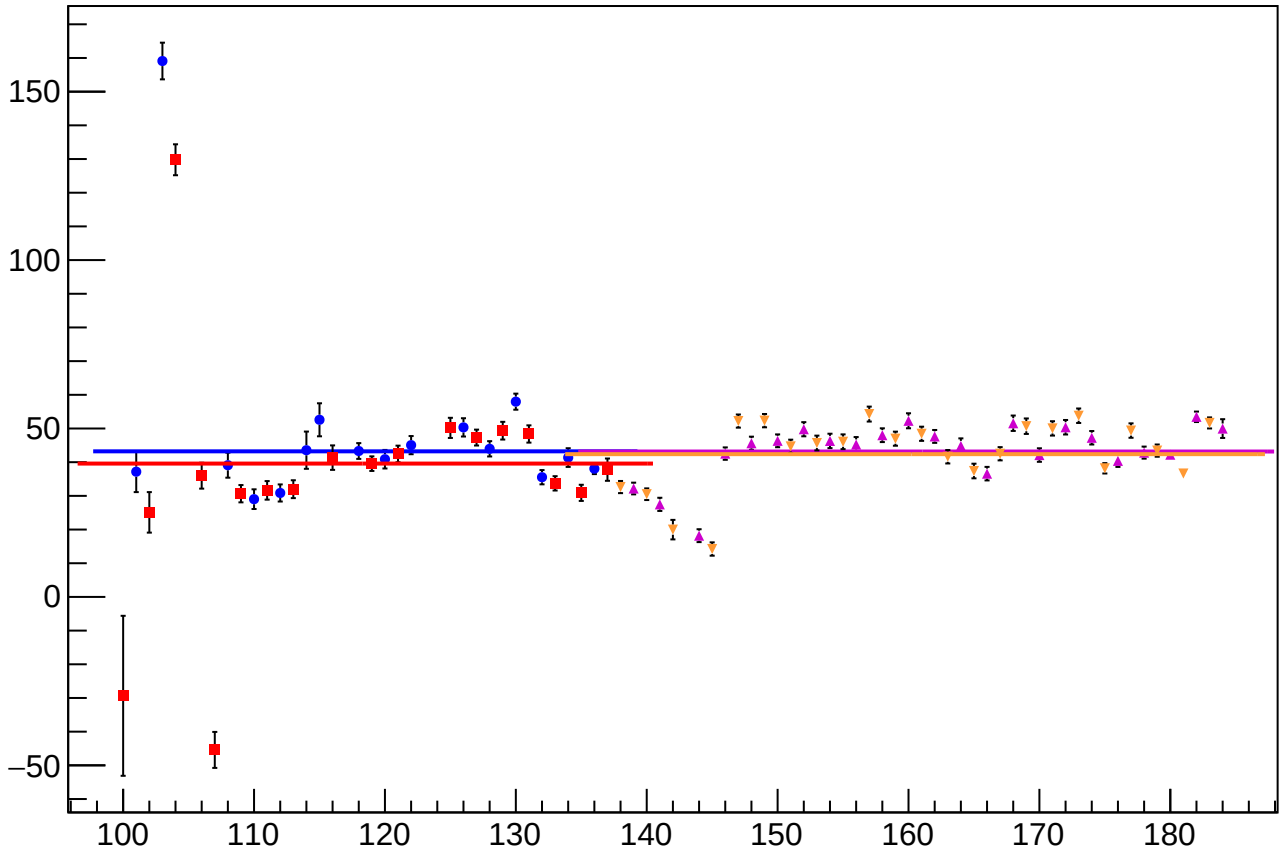
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.966+/-0.276 χ^2/NDF: 417.9/38

All: -8.214+/-0.196 χ^2/NDF: 884.1/79

- sign -8.469+/-0.280 χ^2/NDF: 464.5/40



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 42.384+/-0.406 χ^2/NDF:565.6/22

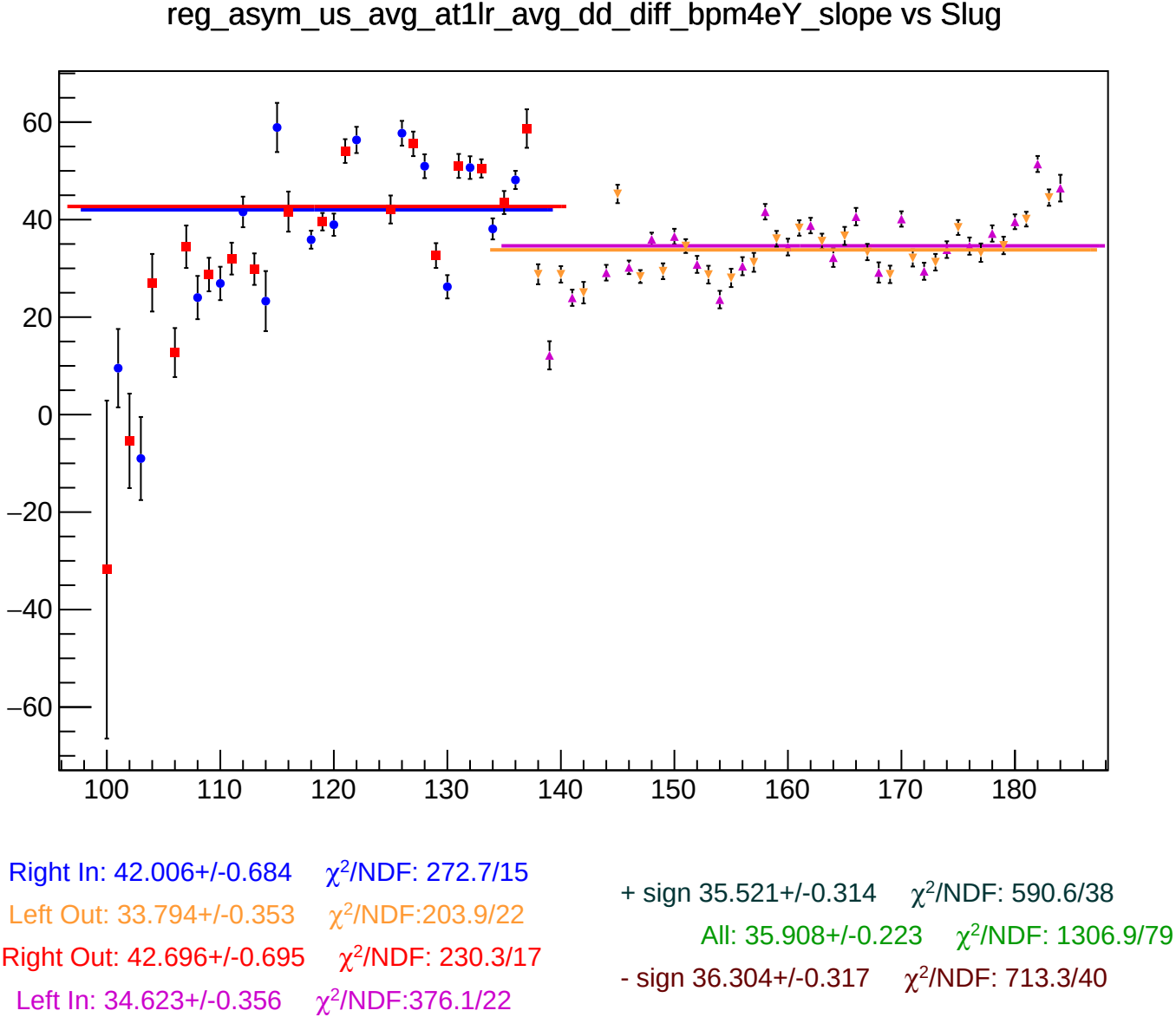
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

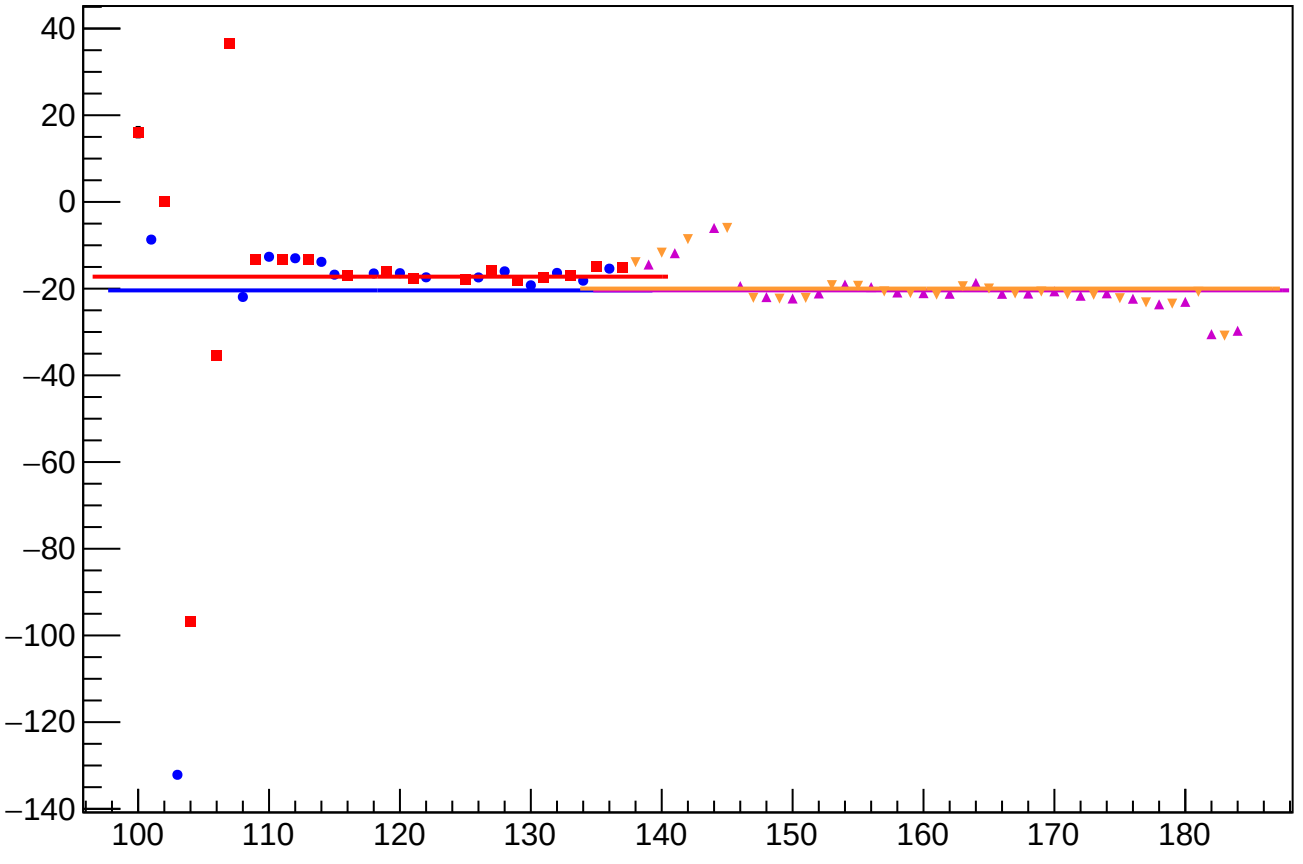
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 42.605+/-0.348 χ^2/NDF: 1142.7/38

All: 42.420+/-0.247 χ^2/NDF: 2330.5/79

- sign 42.233+/-0.350 χ^2/NDF: 1187.2/40


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 33.794+/-0.353 χ²/NDF:203.9/22
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
+ sign 35.521+/-0.314 χ²/NDF: 590.6/38
All: 35.908+/-0.223 χ²/NDF: 1306.9/79
- sign 36.304+/-0.317 χ²/NDF: 713.3/40



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

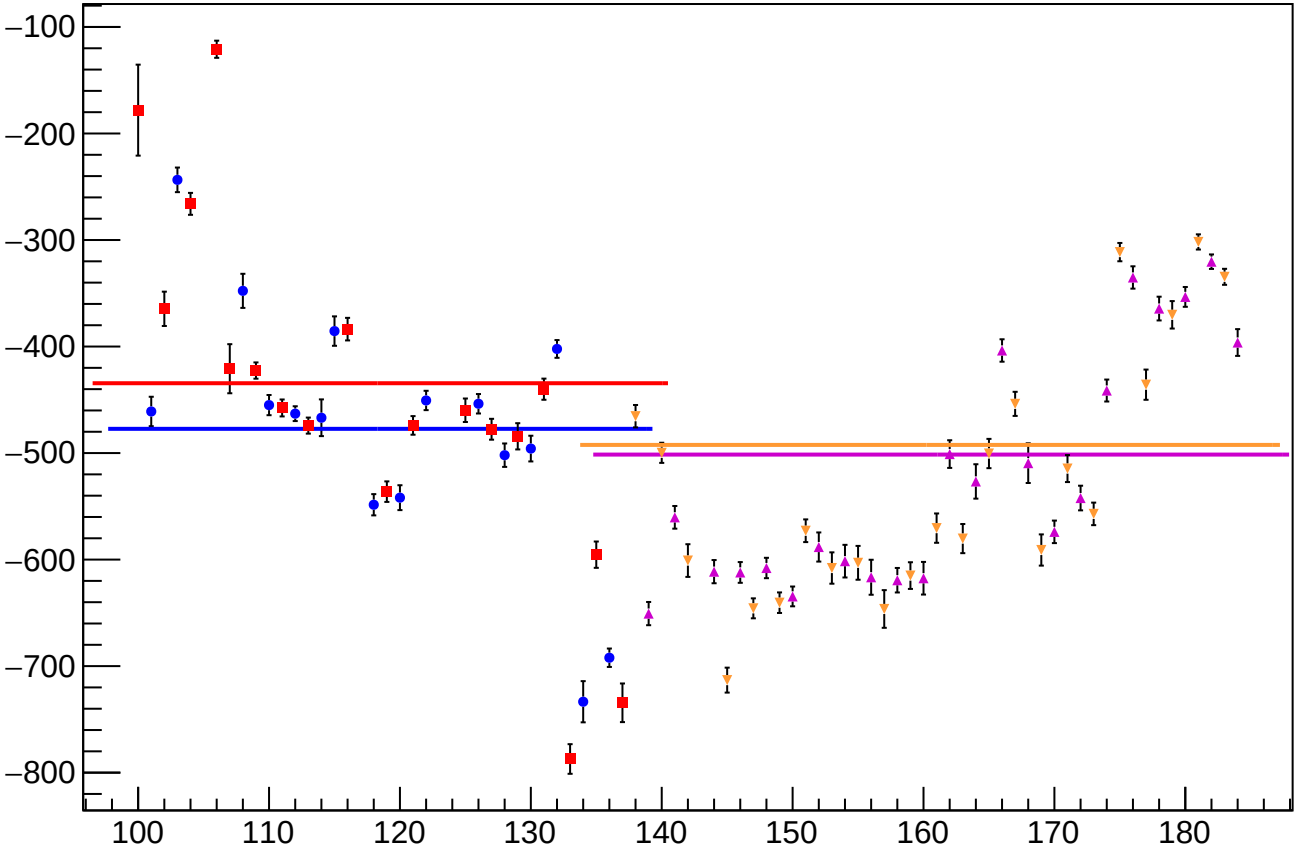
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -20.039+/-0.015 χ^2/NDF: 336827.9/38

All: -20.038+/-0.011 χ^2/NDF: 627192.1/79

- sign -20.037+/-0.015 χ^2/NDF: 290364.1/40

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -492.347+/-2.317 χ^2/NDF:3131.1/22

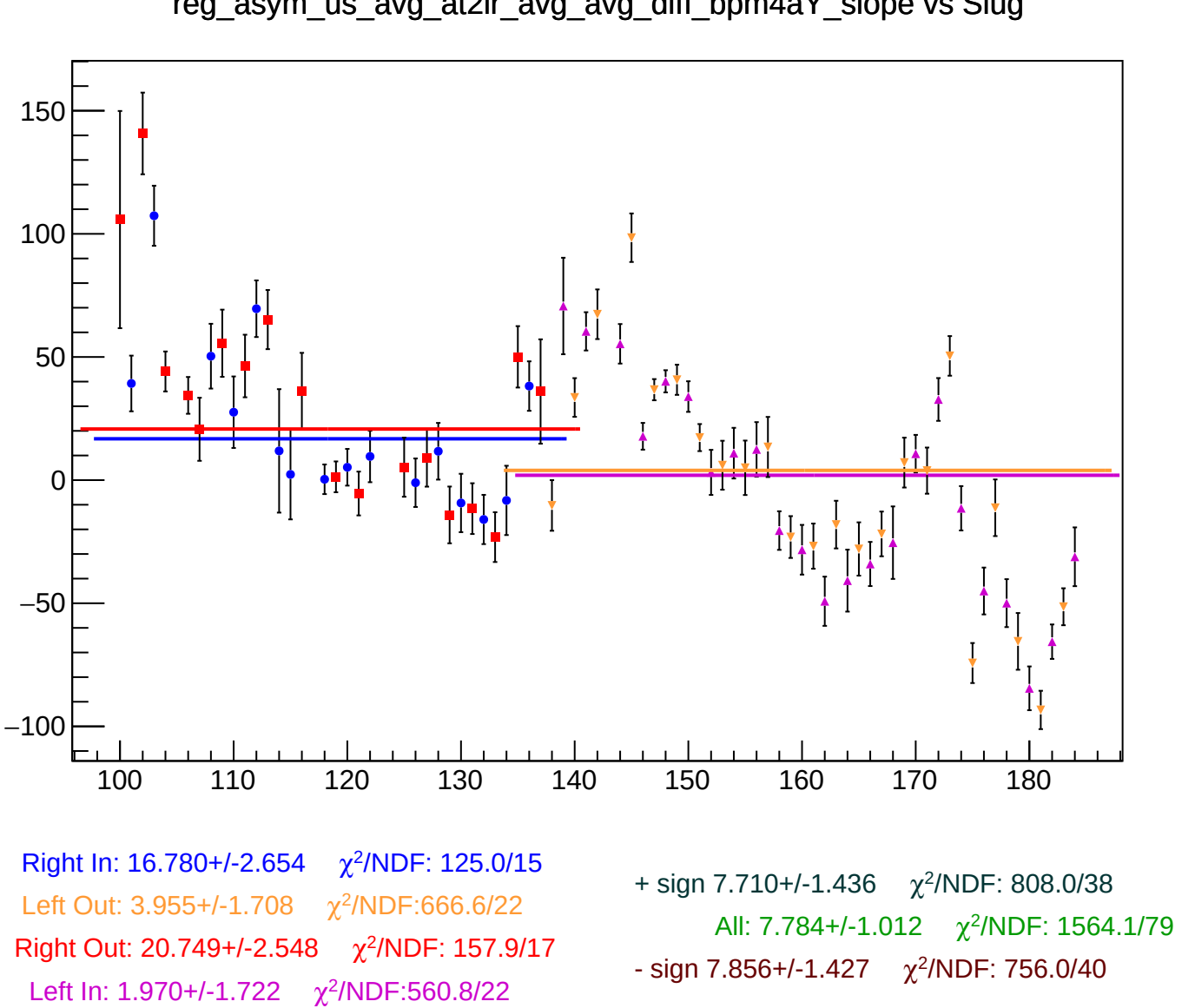
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

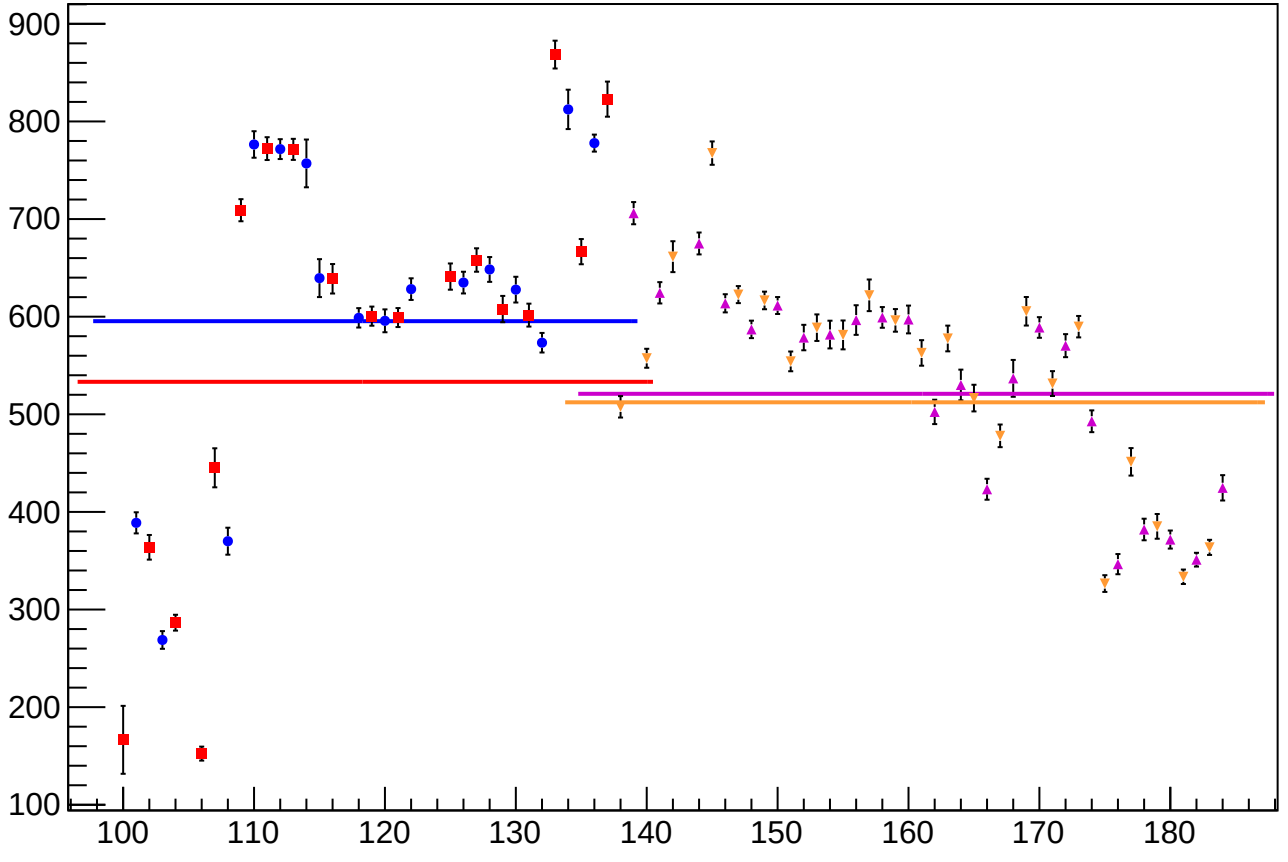
\+ sign -485.762+/-1.739 χ^2/NDF: 4660.5/38

All: -477.698+/-1.210 χ^2/NDF: 10947.3/79

\- sign -470.140+/-1.684 χ^2/NDF: 6245.2/40


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: 1.970+/-1.722 χ²/NDF:560.8/22
+ sign 7.710+/-1.436 χ²/NDF: 808.0/38
All: 7.784+/-1.012 χ²/NDF: 1564.1/79
- sign 7.856+/-1.427 χ²/NDF: 756.0/40

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

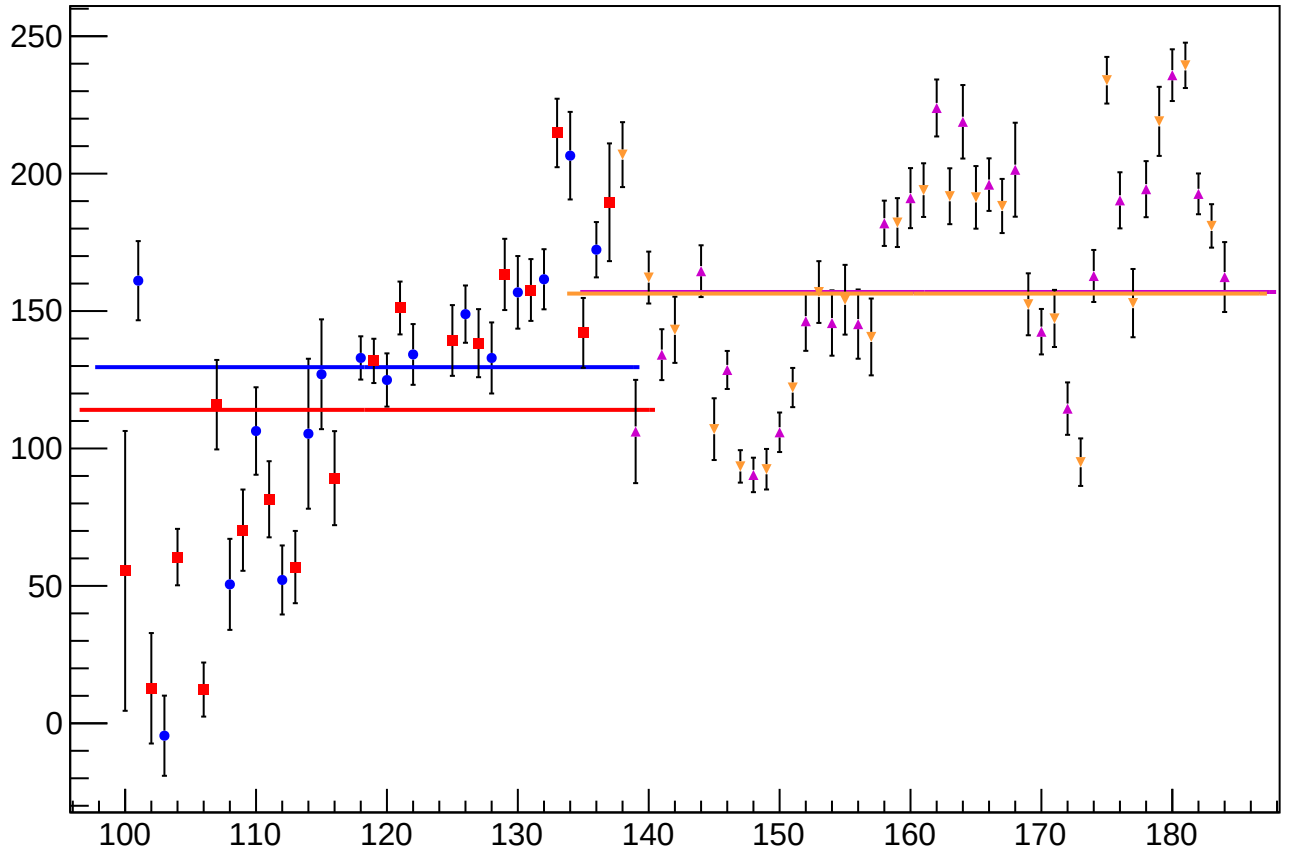
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 543.924+/-1.807 χ^2/NDF: 6267.3/38

All: 534.709+/-1.259 χ^2/NDF: 15275.3/79

- sign 526.015+/-1.756 χ^2/NDF: 8957.5/40



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 156.357+/-1.969 χ^2/NDF:577.9/22

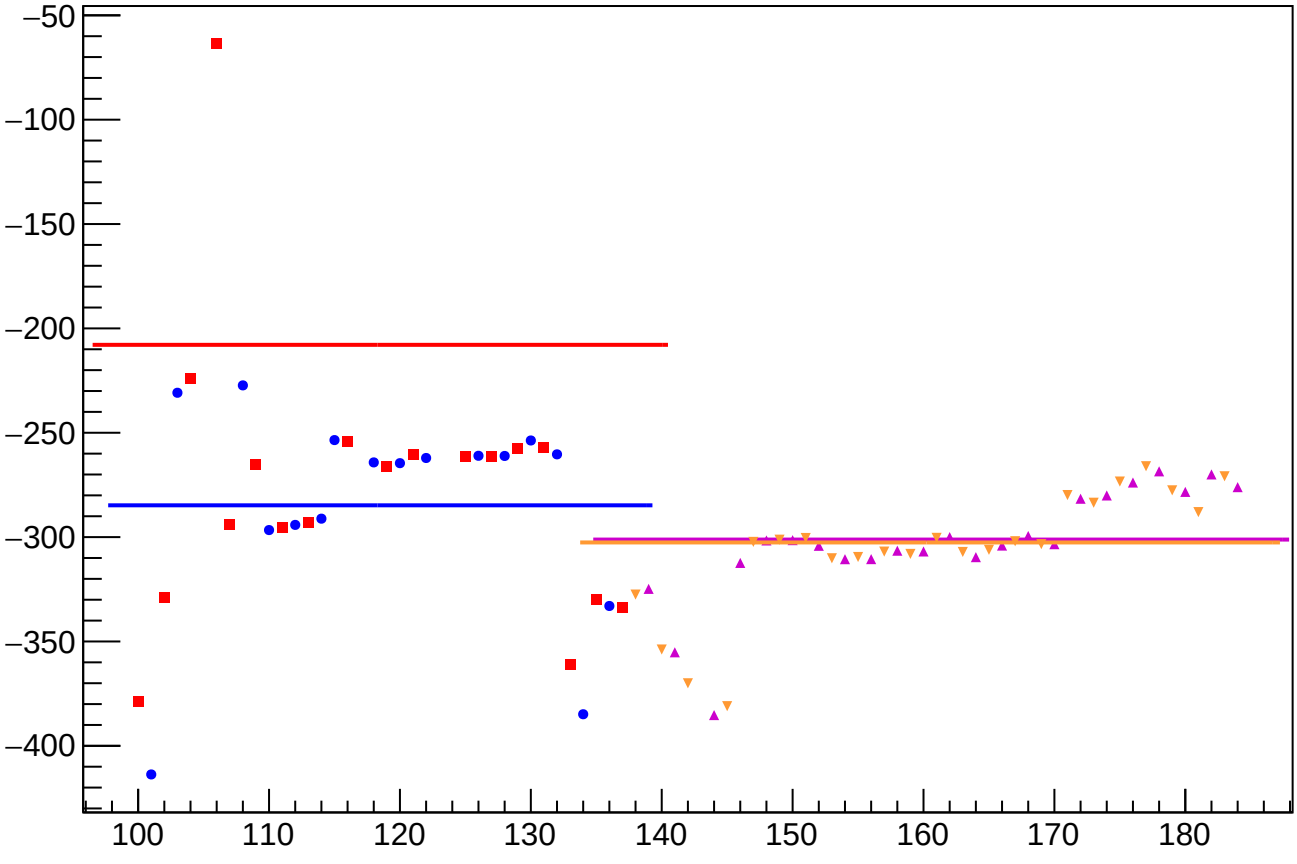
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 148.590+/-1.659 χ^2/NDF: 842.7/38

All: 146.201+/-1.168 χ^2/NDF: 1770.3/79

- sign 143.857+/-1.643 χ^2/NDF: 923.5/40



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -302.555+/-0.092 χ^2/NDF:83695.5/22

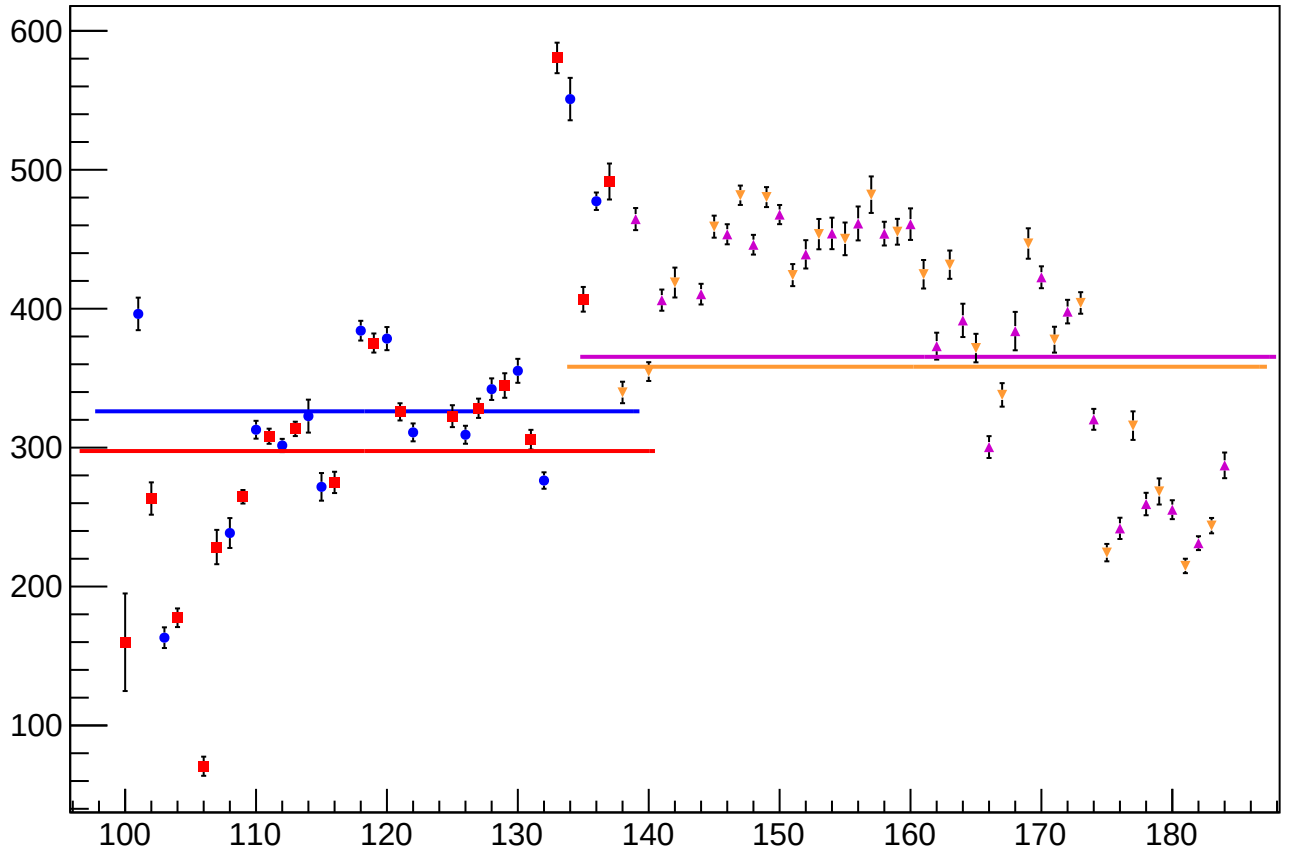
Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.798+/-0.082 χ^2/NDF: 195984.9/38

All: -286.843+/-0.056 χ^2/NDF: 1136324.0/79

- sign -276.187+/-0.077 χ^2/NDF: 899731.8/40



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 358.223+/-1.697 χ^2/NDF:3170.6/22

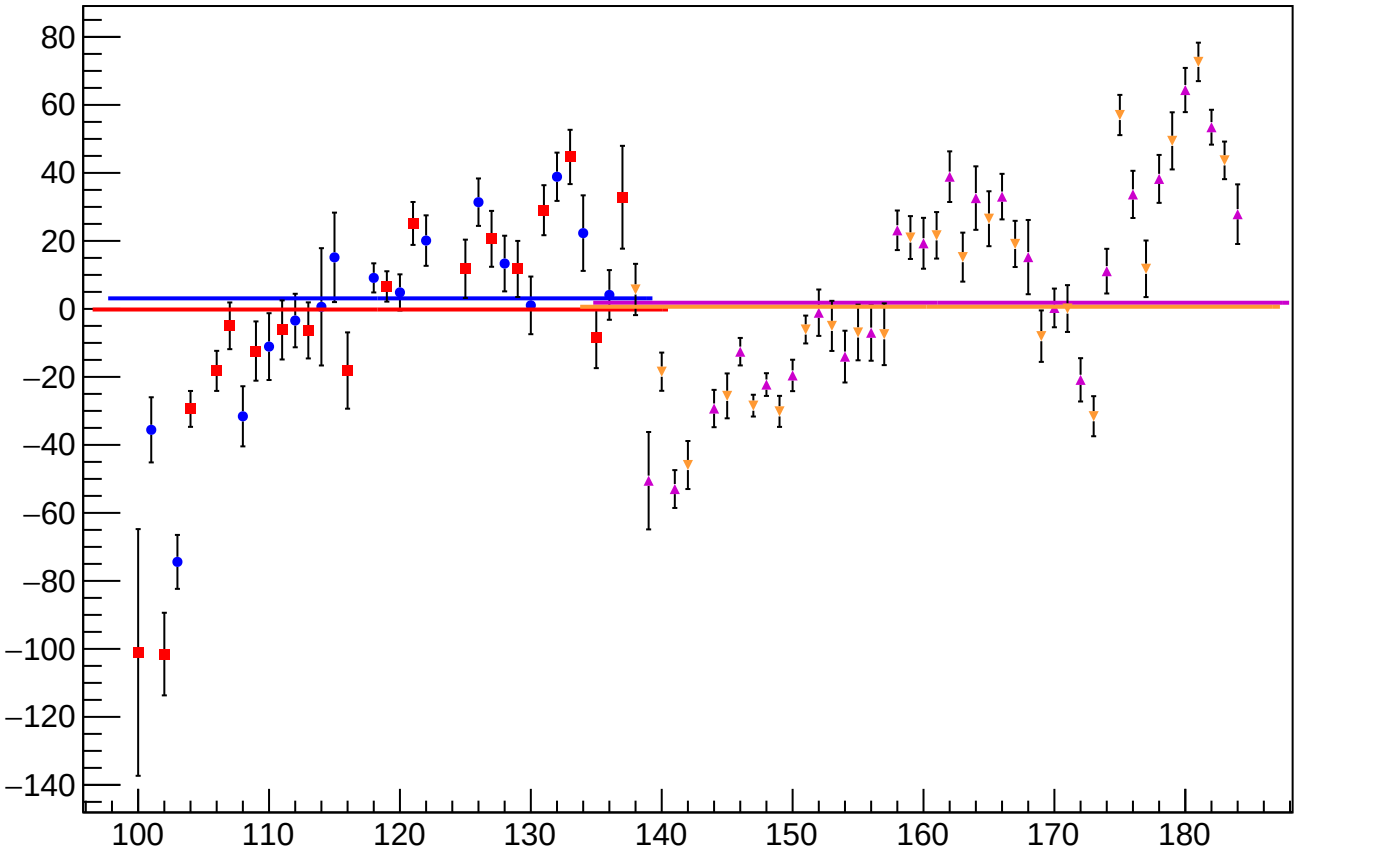
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 343.617+/-1.253 χ^2/NDF: 4976.3/38

All: 337.761+/-0.871 χ^2/NDF: 11316.7/79

- sign 332.285+/-1.211 χ^2/NDF: 6298.1/40



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: 0.631+/-1.256 χ^2/NDF:626.0/22

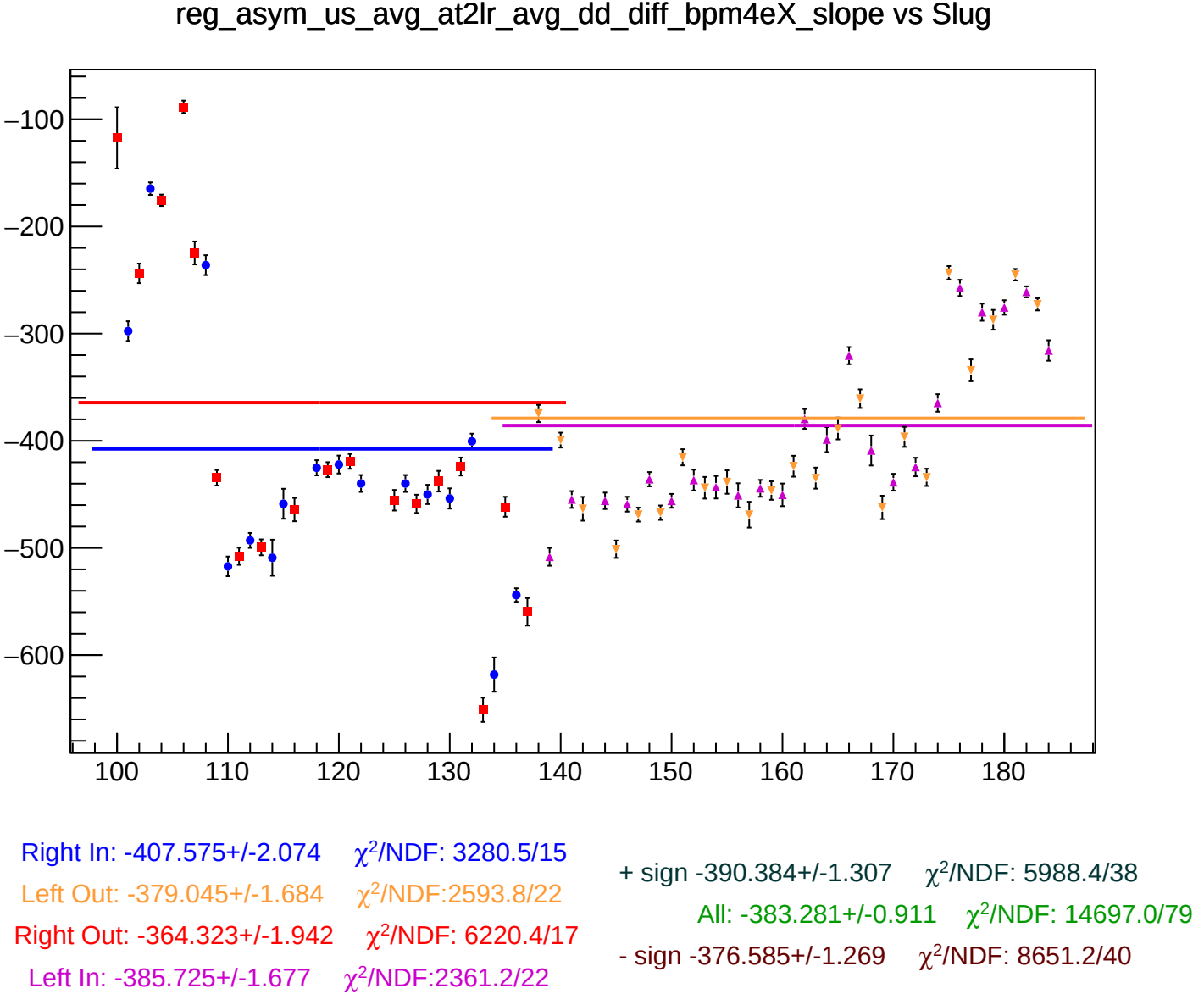
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign 1.386+/-1.046 χ^2/NDF: 811.8/38

All: 1.266+/-0.736 χ^2/NDF: 1594.8/79

\- sign 1.148+/-1.034 χ^2/NDF: 783.1/40



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -379.045+/-1.684 χ^2/NDF:2593.8/22

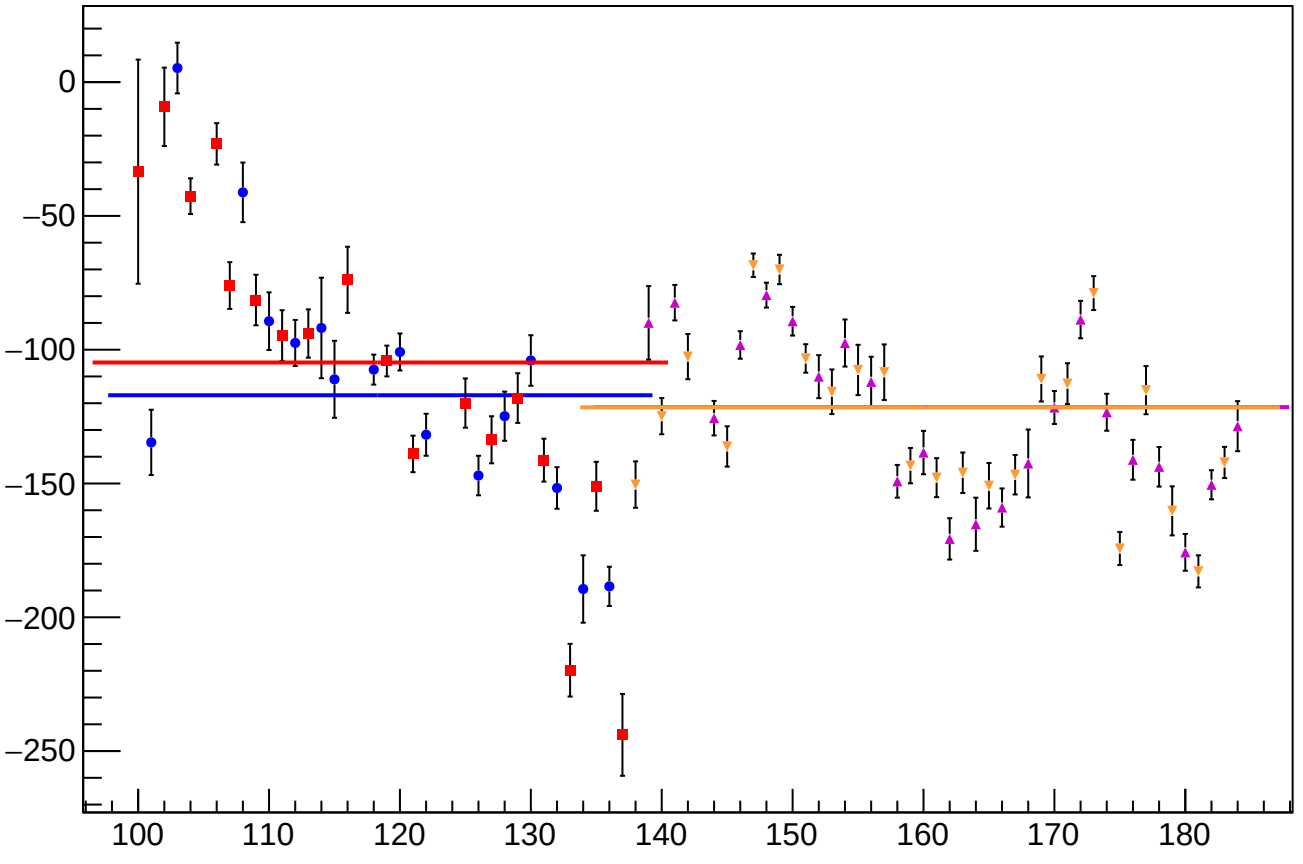
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

\+ sign -390.384+/-1.307 χ^2/NDF: 5988.4/38

All: -383.281+/-0.911 χ^2/NDF: 14697.0/79

\- sign -376.585+/-1.269 χ^2/NDF: 8651.2/40



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -121.511+/-1.447 χ^2/NDF:584.5/22

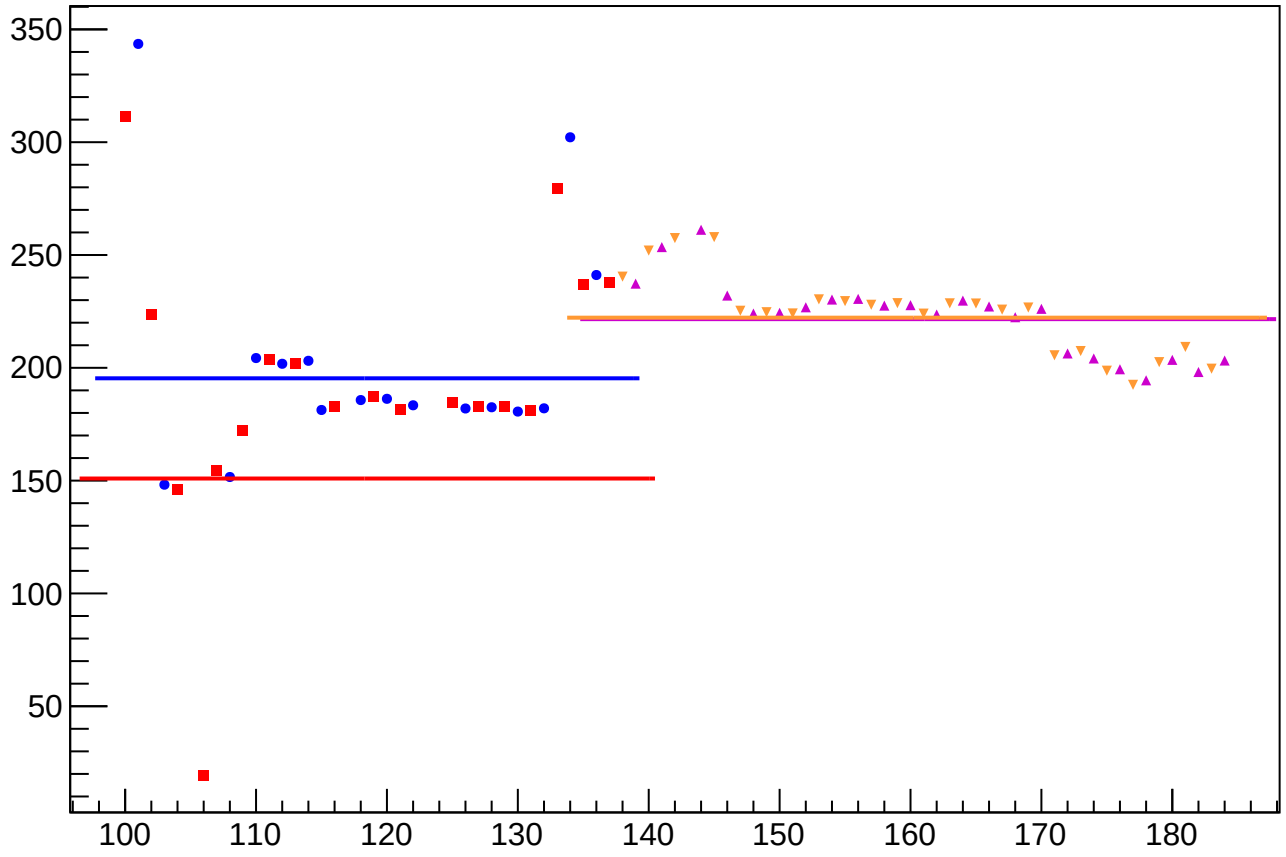
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -120.150+/-1.208 χ^2/NDF: 995.2/38

All: -118.066+/-0.848 χ^2/NDF: 2051.8/79

- sign -116.039+/-1.191 χ^2/NDF: 1050.7/40



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

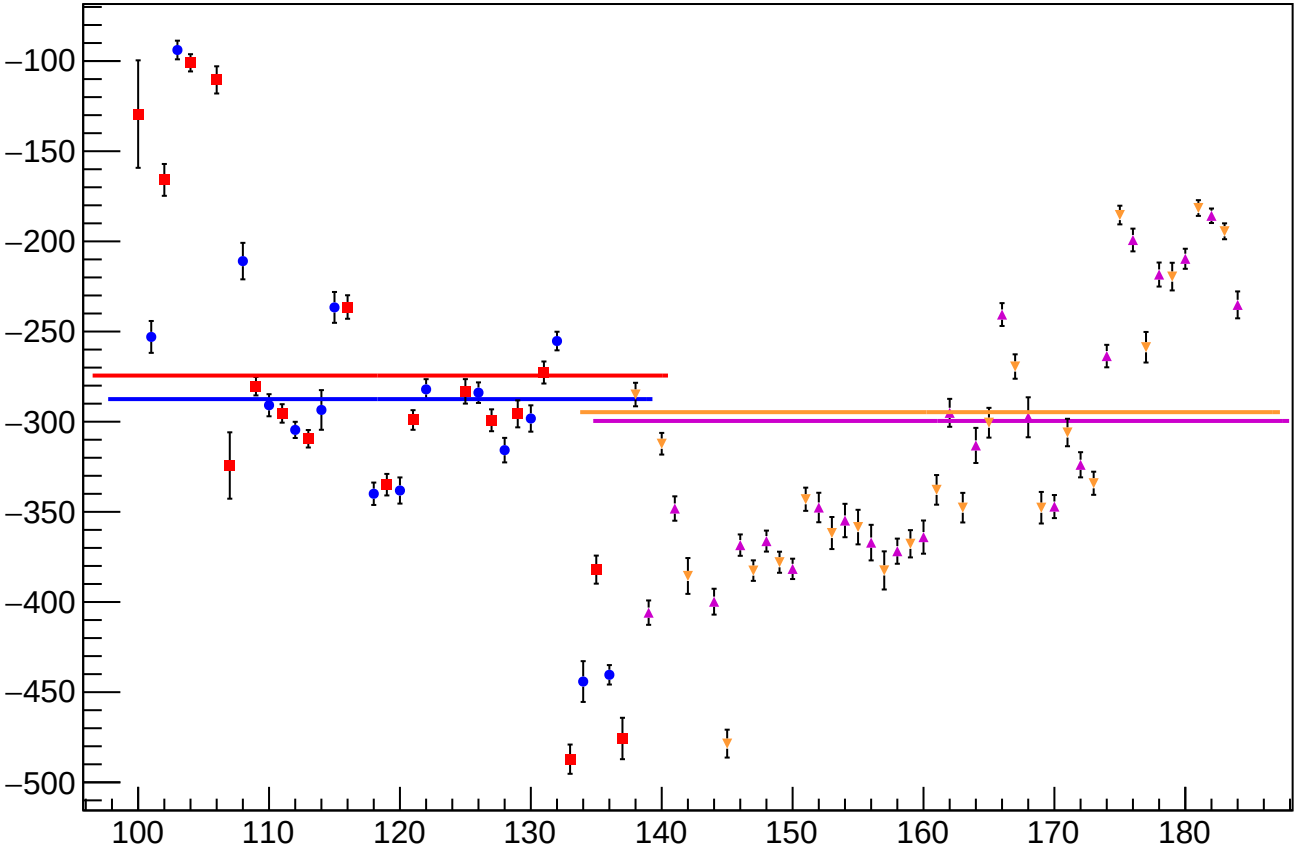
Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.132+/-0.059 χ^2/NDF: 277072.5/38

All: 209.185+/-0.041 χ^2/NDF: 1166733.7/79

- sign 202.829+/-0.057 χ^2/NDF: 863406.4/40

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -294.707+/-1.407 χ^2/NDF:3331.7/22

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

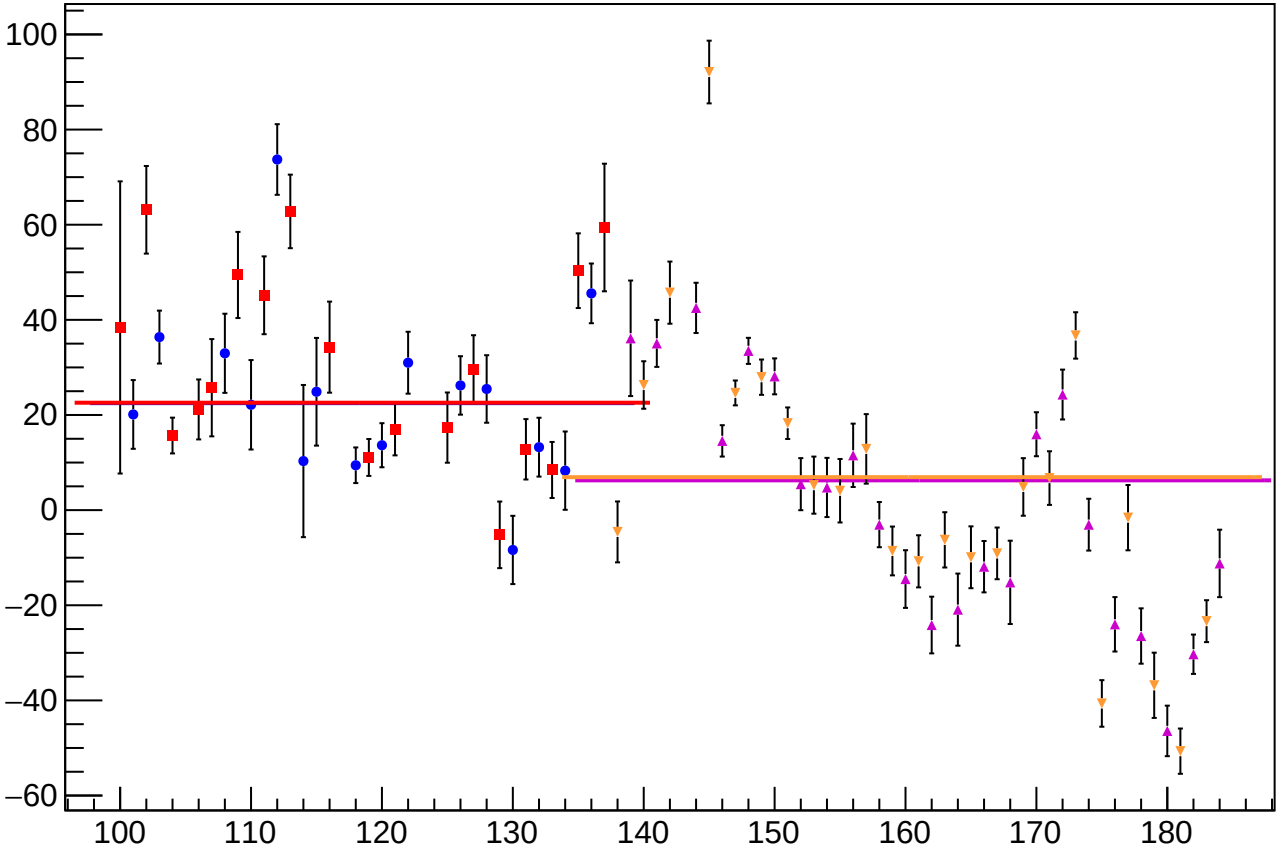
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -291.579+/-1.060 χ^2/NDF: 6039.6/38

All: -289.915+/-0.742 χ^2/NDF: 12575.0/79

- sign -288.318+/-1.038 χ^2/NDF: 6530.5/40

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

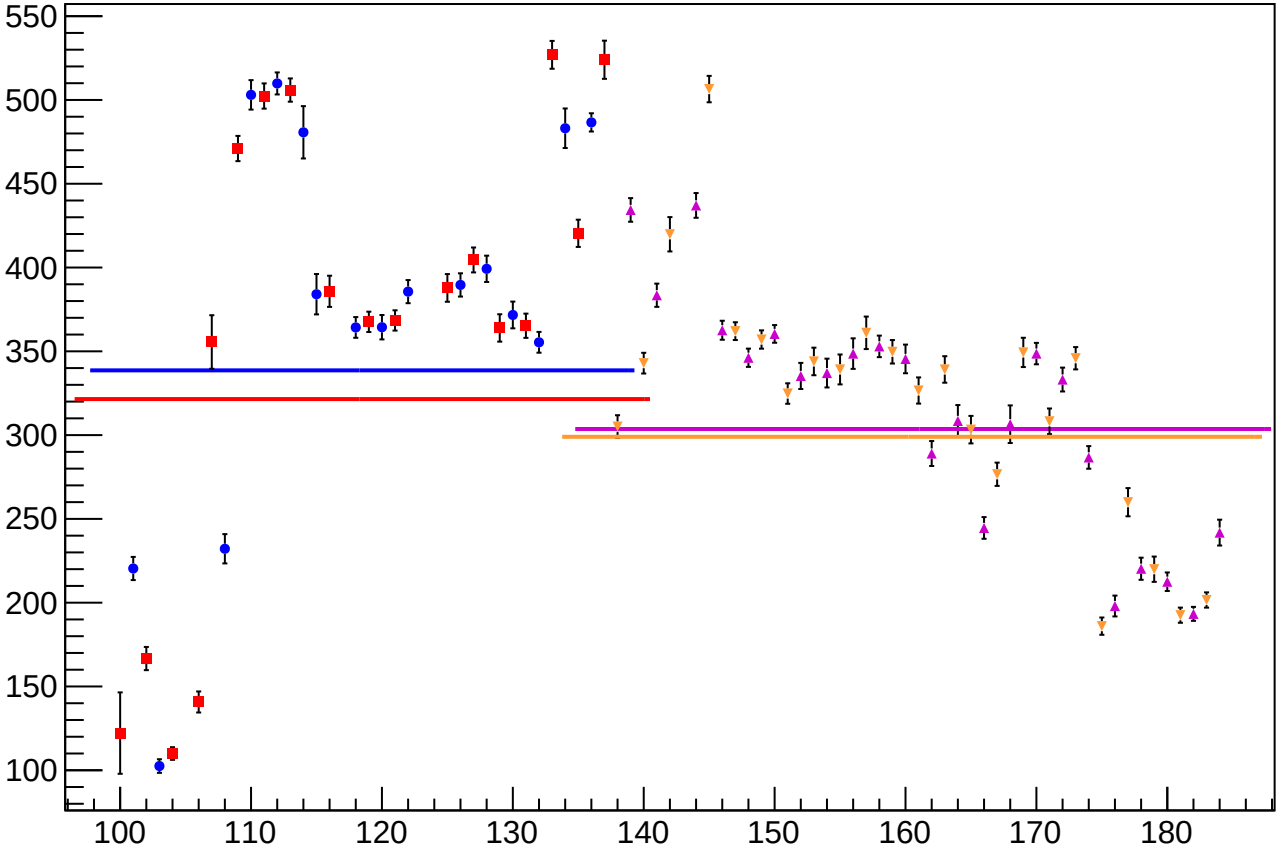
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 11.450+/-0.874 χ^2/NDF: 896.0/38

All: 11.360+/-0.616 χ^2/NDF: 1653.7/79

- sign 11.271+/-0.870 χ^2/NDF: 757.7/40

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



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

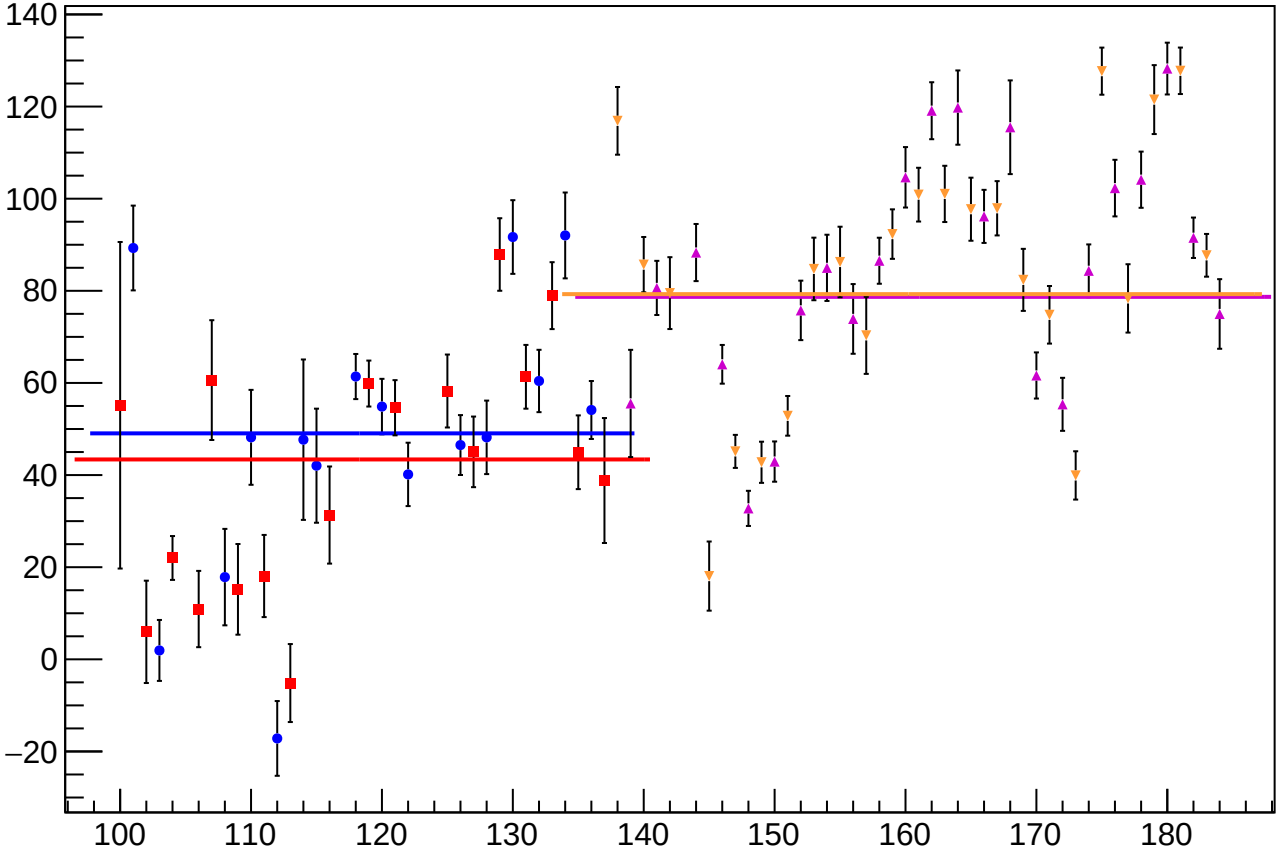
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 314.395+/-1.090 χ^2/NDF: 9413.4/38

All: 312.560+/-0.764 χ^2/NDF: 20079.0/79

- sign 310.787+/-1.071 χ^2/NDF: 10660.0/40

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

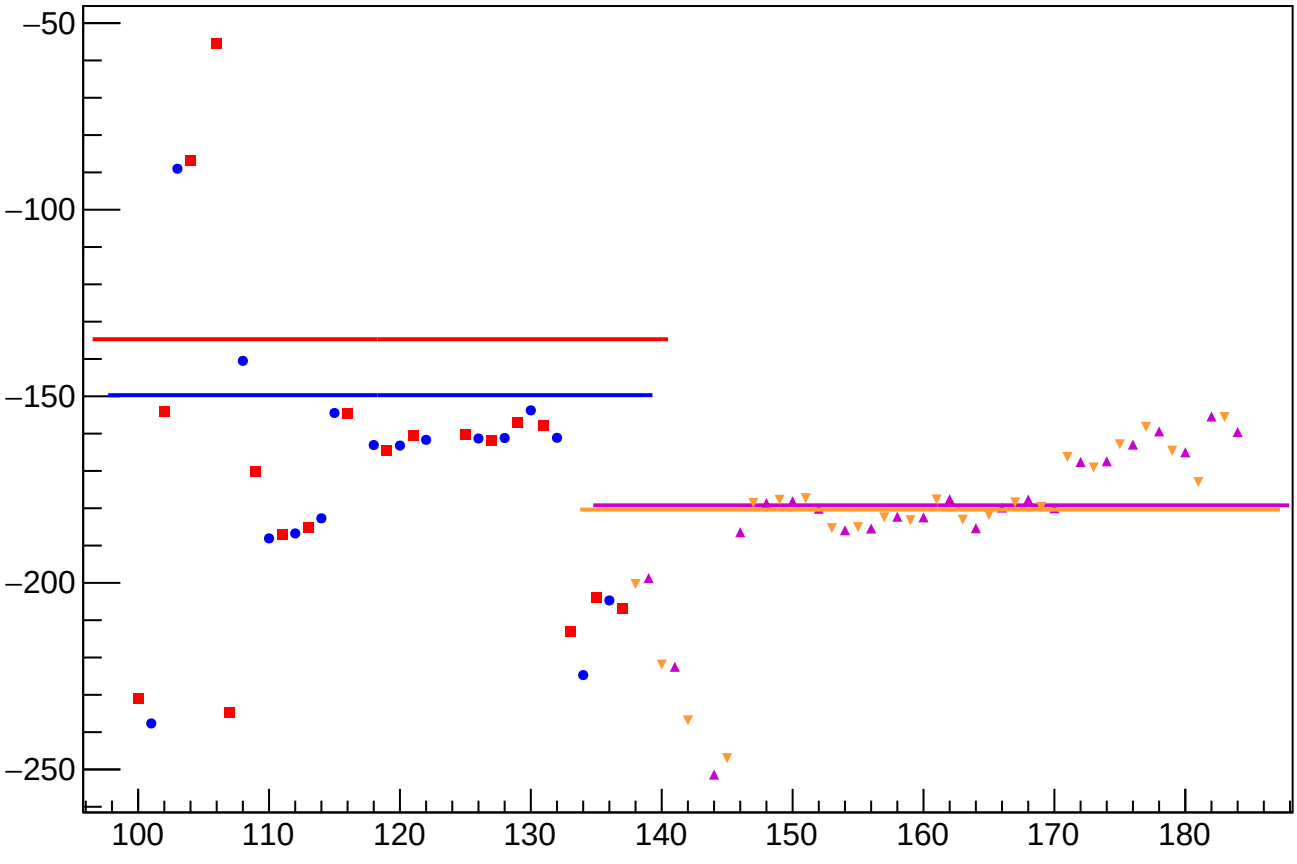
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 70.595+/-1.009 χ^2/NDF: 1006.9/38

All: 69.373+/-0.711 χ^2/NDF: 1938.5/79

- sign 68.170+/-1.001 χ^2/NDF: 928.6/40



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -180.371+/-0.056 χ^2/NDF:126932.3/22

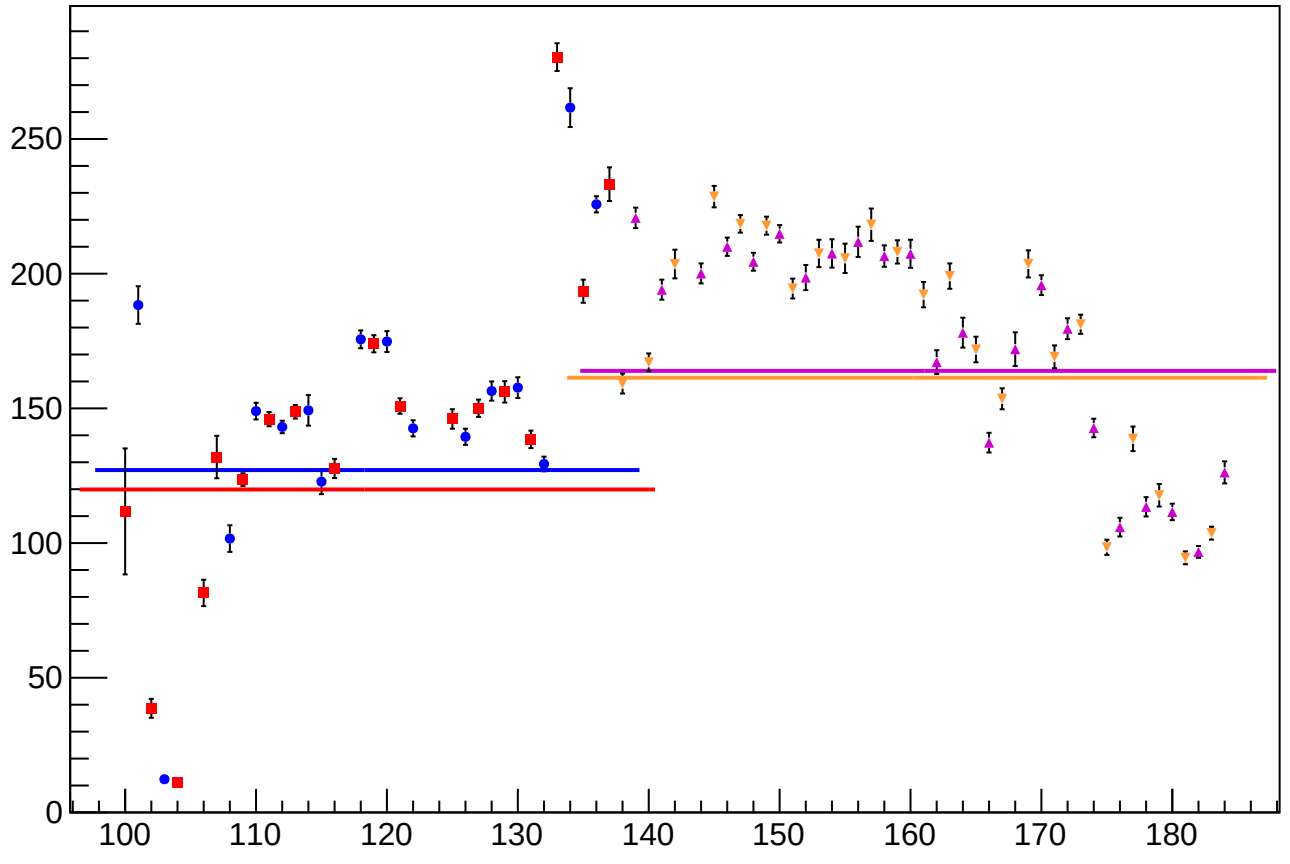
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.201+/-0.049 χ^2/NDF: 454326.3/38

All: -170.809+/-0.034 χ^2/NDF: 1045170.8/79

- sign -168.536+/-0.048 χ^2/NDF: 586148.6/40



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 161.384+/-0.784 χ^2/NDF:3579.2/22

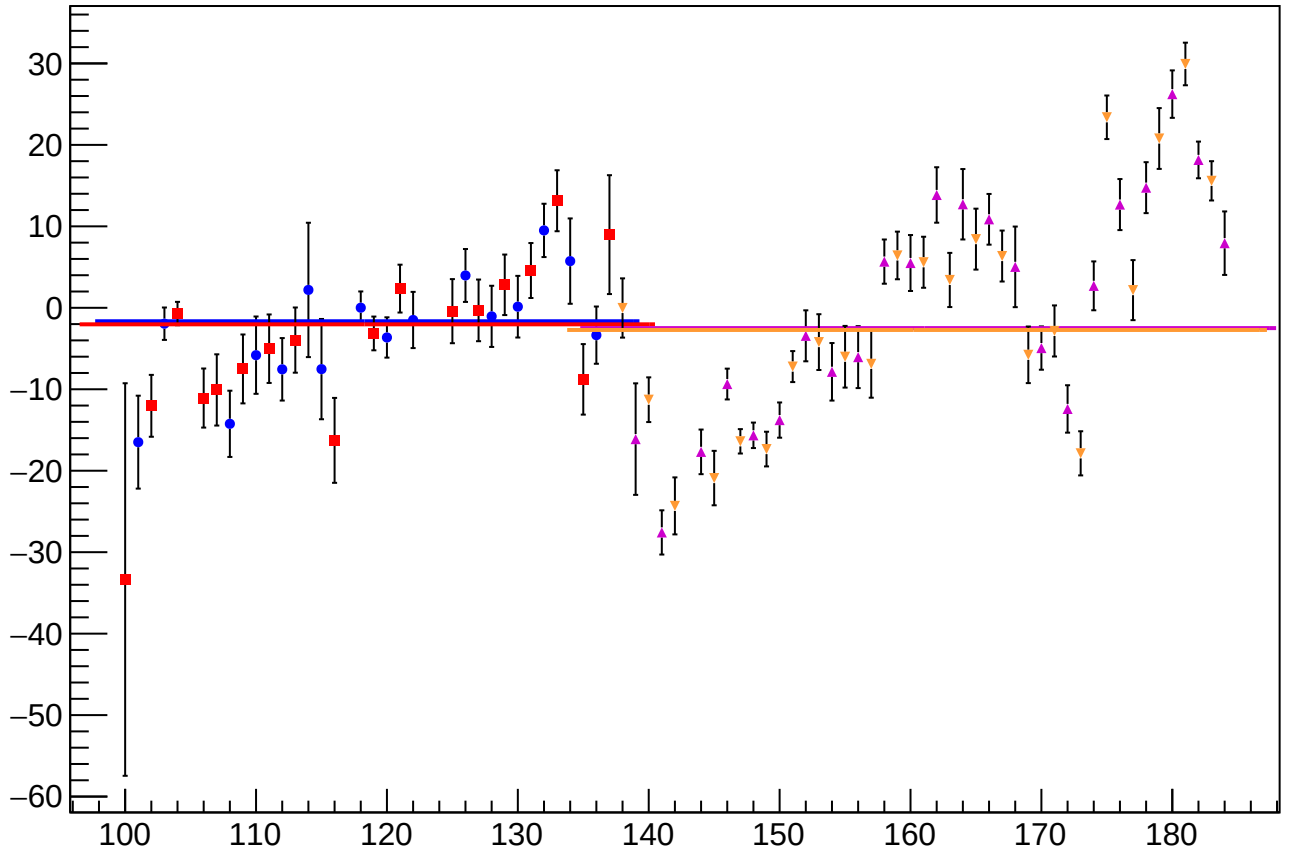
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 144.808+/-0.564 χ^2/NDF: 10665.9/38

All: 143.246+/-0.393 χ^2/NDF: 22273.3/79

- sign 141.763+/-0.549 χ^2/NDF: 11592.5/40



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

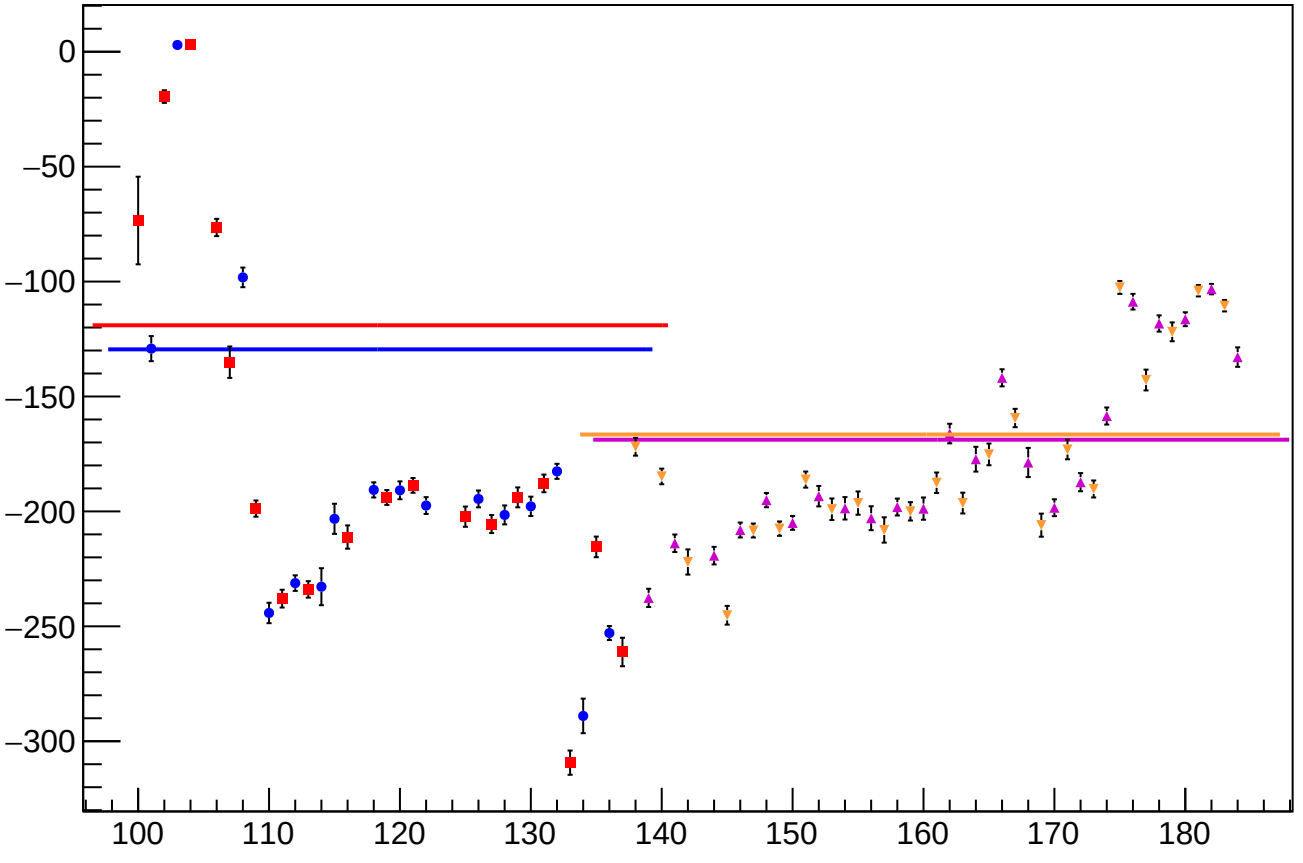
Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -2.368+/-0.478 χ^2/NDF: 676.1/38

All: -2.344+/-0.334 χ^2/NDF: 1297.8/79

- sign -2.321+/-0.467 χ^2/NDF: 621.7/40

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -166.550+/-0.778 χ^2/NDF:3085.0/22

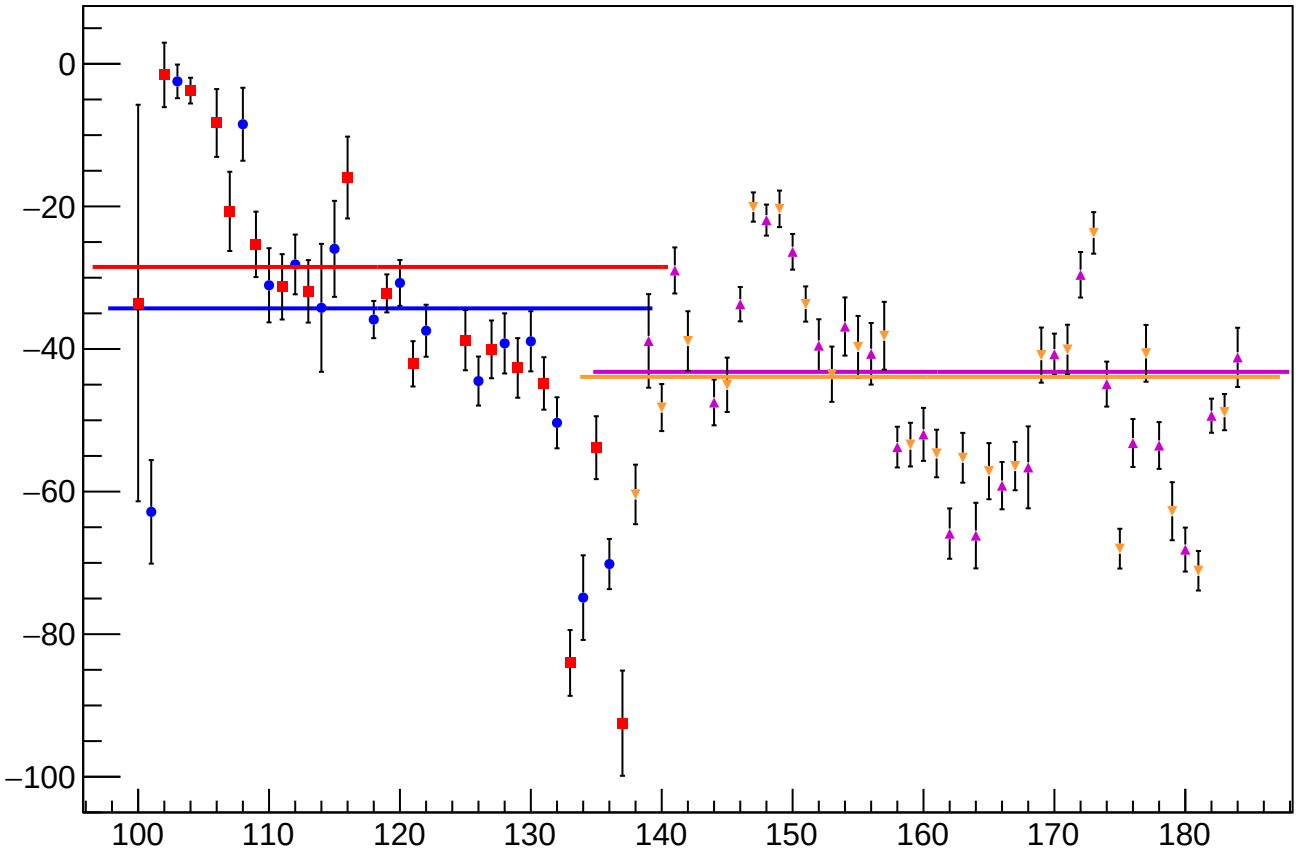
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -149.572+/-0.573 χ^2/NDF: 18811.2/38

All: -147.327+/-0.400 χ^2/NDF: 40049.7/79

- sign -145.183+/-0.560 χ^2/NDF: 21208.4/40



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

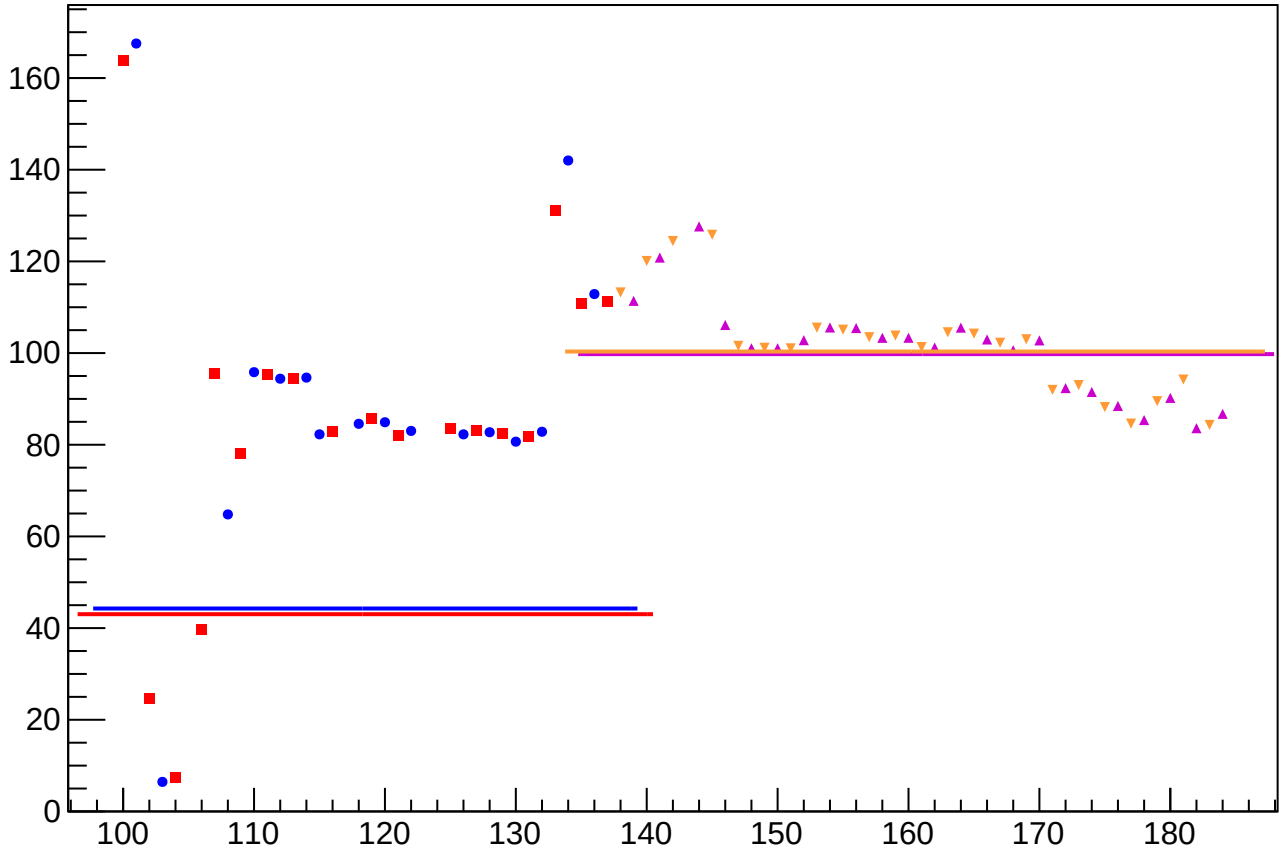
Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -40.791+/-0.551 χ^2/NDF: 1037.1/38

All: -39.369+/-0.385 χ^2/NDF: 2194.4/79

- sign -38.010+/-0.539 χ^2/NDF: 1144.3/40

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

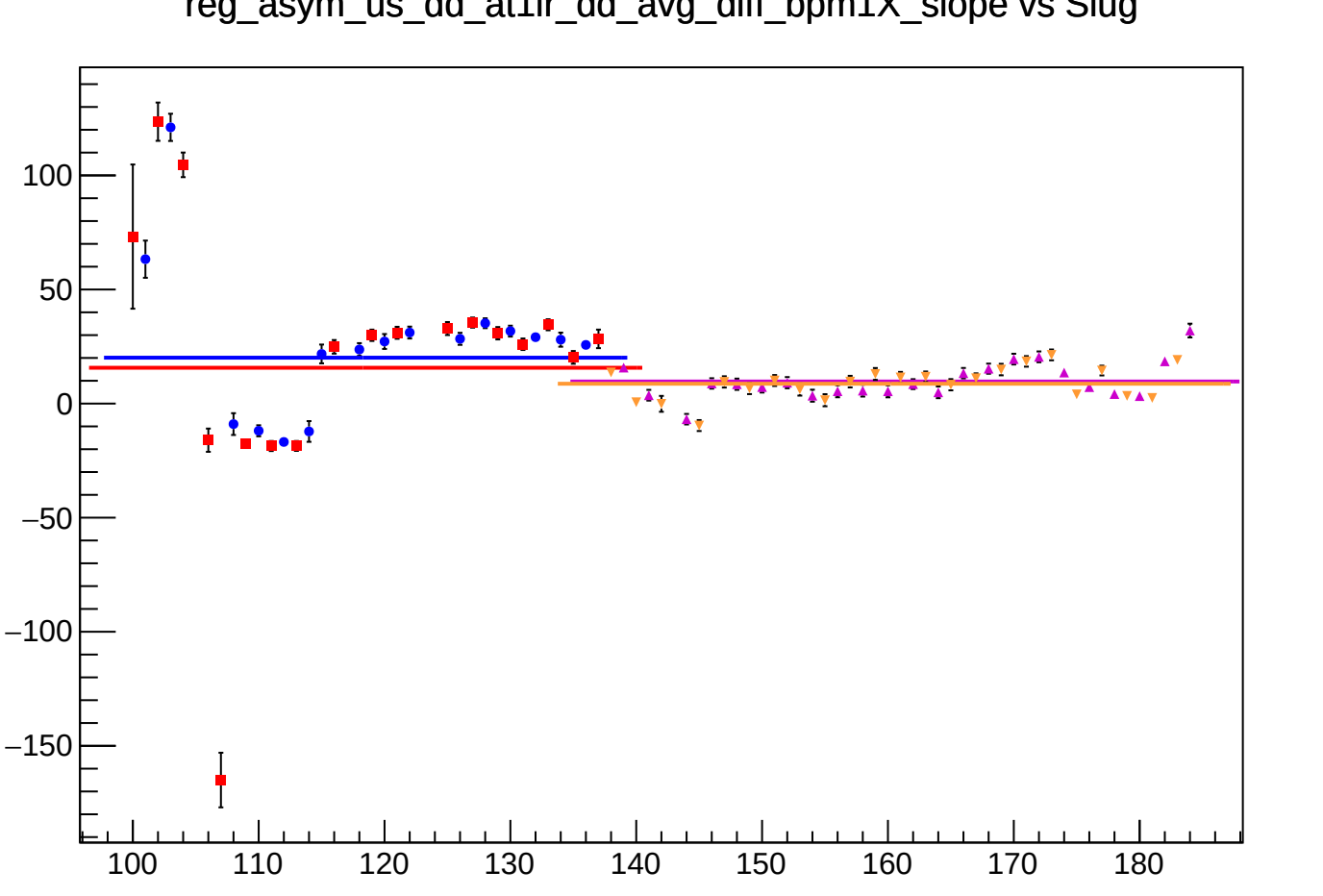
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.121+/-0.026 χ^2/NDF: 2251055.2/38

All: 82.003+/-0.018 χ^2/NDF: 4256526.7/79

- sign 81.888+/-0.025 χ^2/NDF: 2005429.5/40



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.696+/-0.460 χ^2/NDF:233.1/22

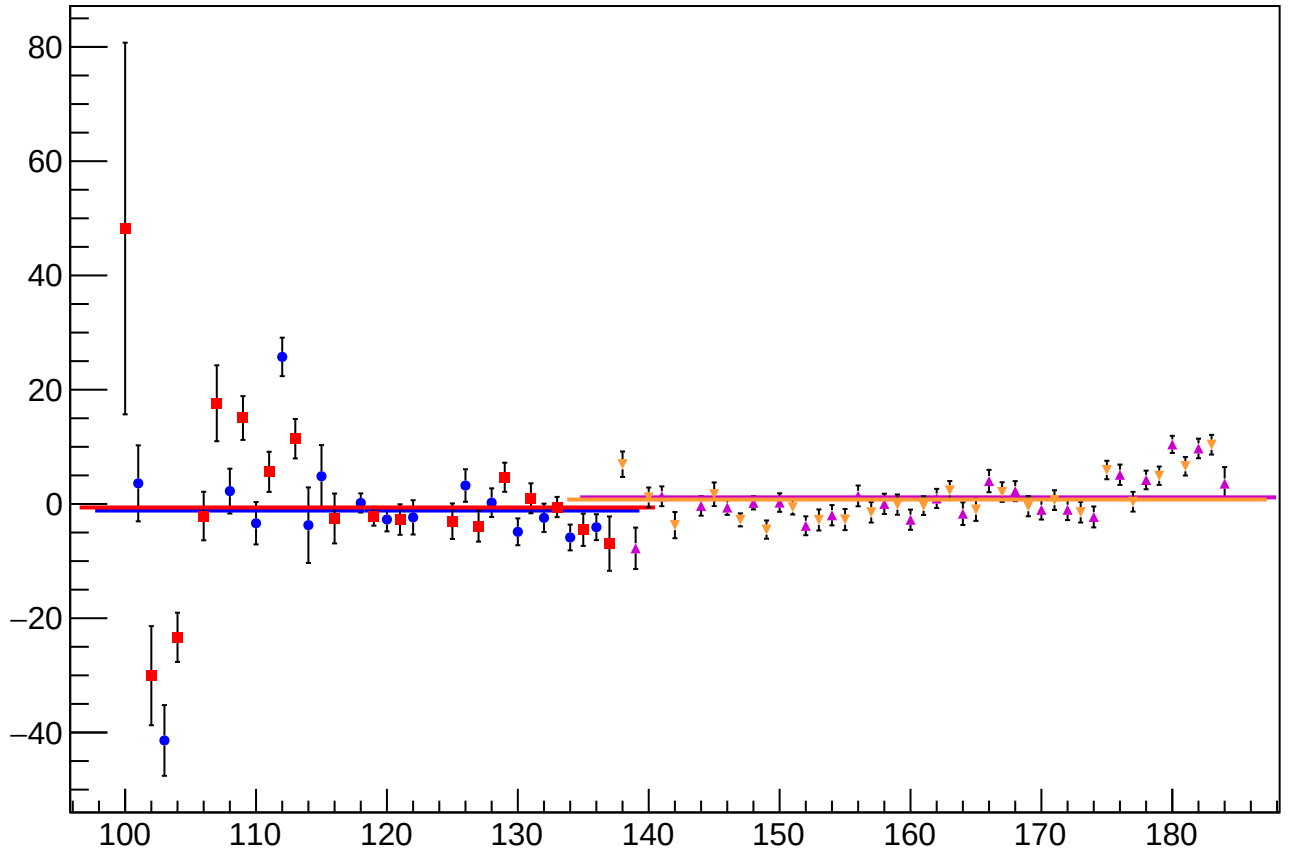
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 12.228+/-0.382 χ^2/NDF: 1472.0/38

All: 11.901+/-0.270 χ^2/NDF: 3547.5/79

- sign 11.573+/-0.383 χ^2/NDF: 2074.0/40



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 0.775+/-0.352 χ^2/NDF:108.3/22

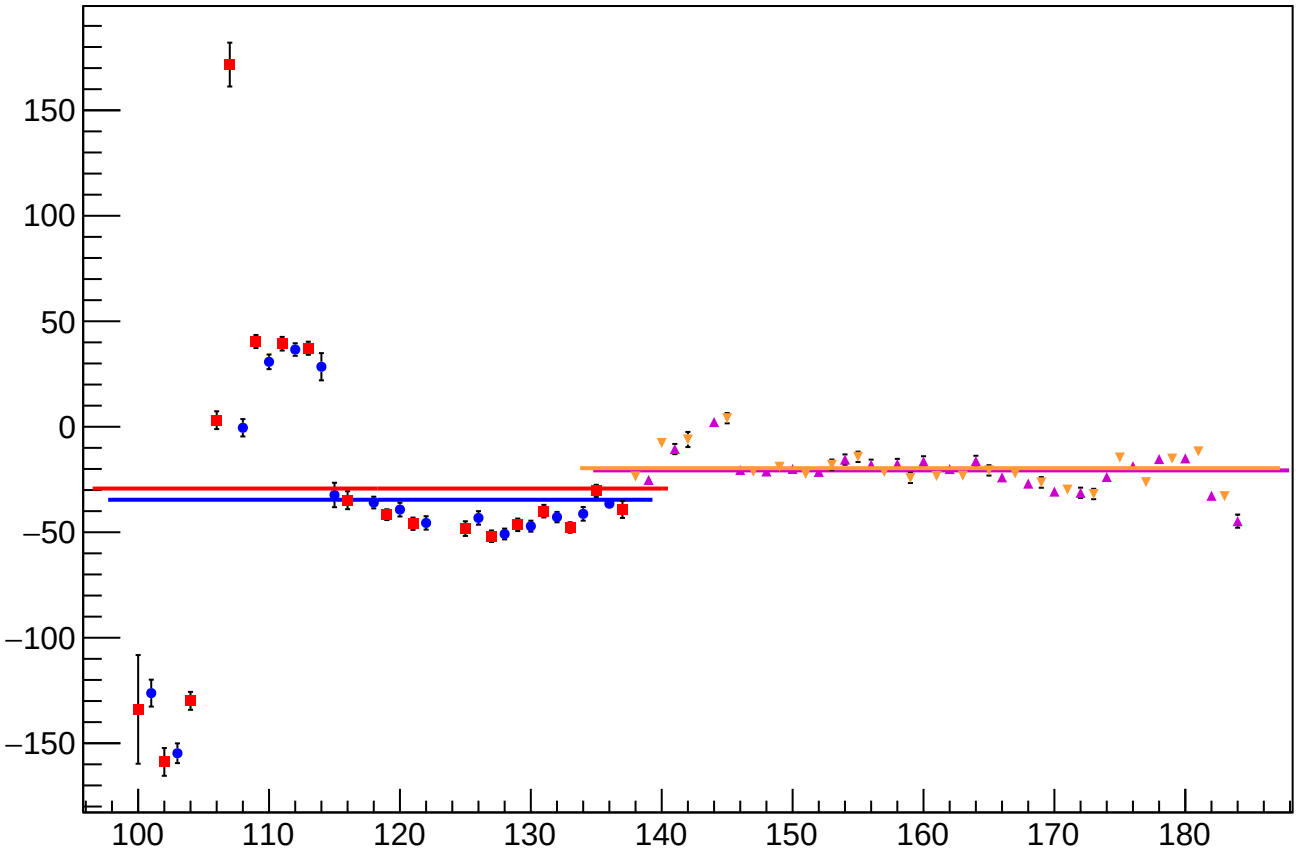
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign 0.386+/-0.314 χ^2/NDF: 236.2/38

All: 0.590+/-0.224 χ^2/NDF: 445.8/79

\- sign 0.801+/-0.320 χ^2/NDF: 208.7/40



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.633+/-0.455 χ^2/NDF:320.4/22

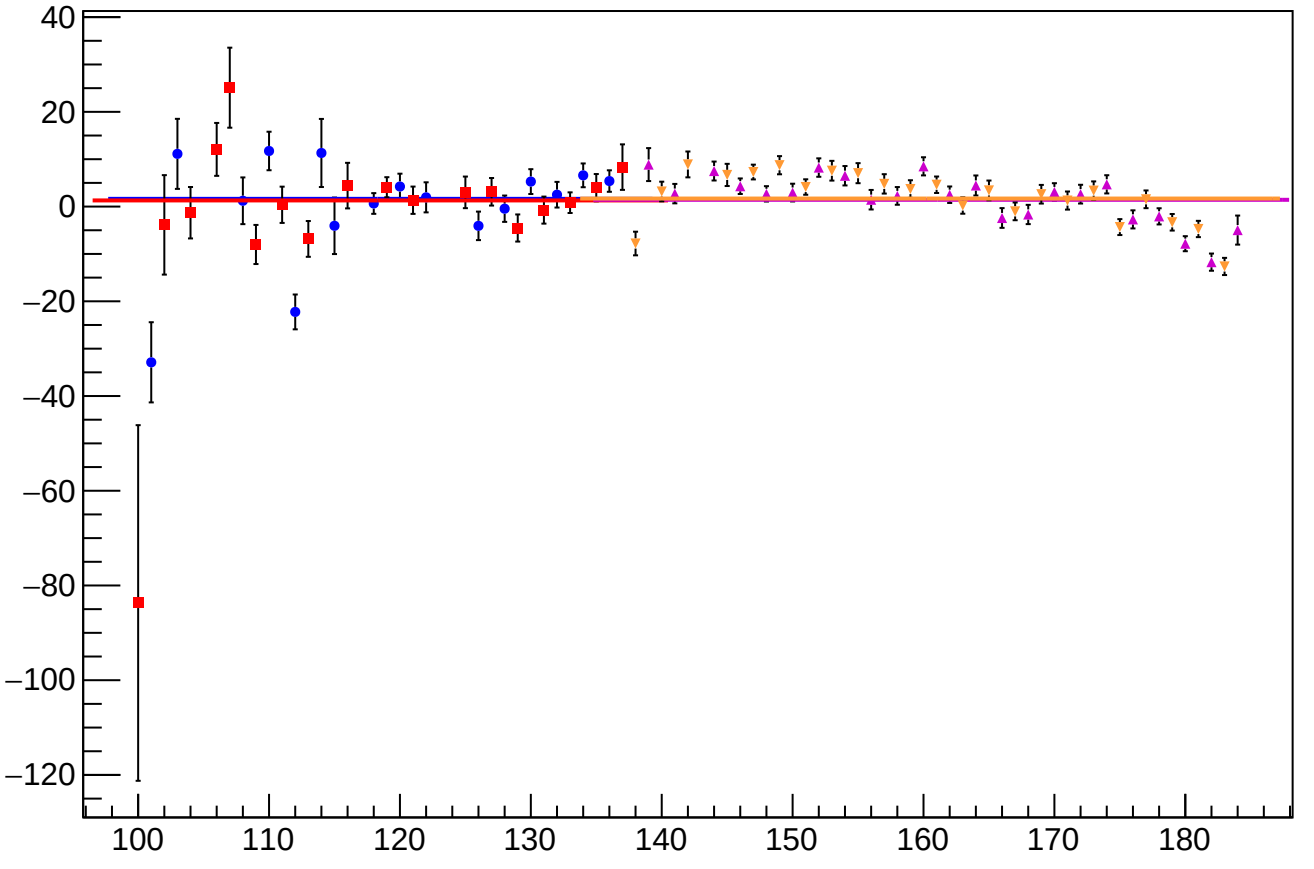
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -23.393+/-0.394 χ^2/NDF: 2650.1/38

All: -23.100+/-0.280 χ^2/NDF: 6129.8/79

\- sign -22.803+/-0.397 χ^2/NDF: 3478.6/40



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 1.696+/-0.397 χ^2/NDF:177.7/22

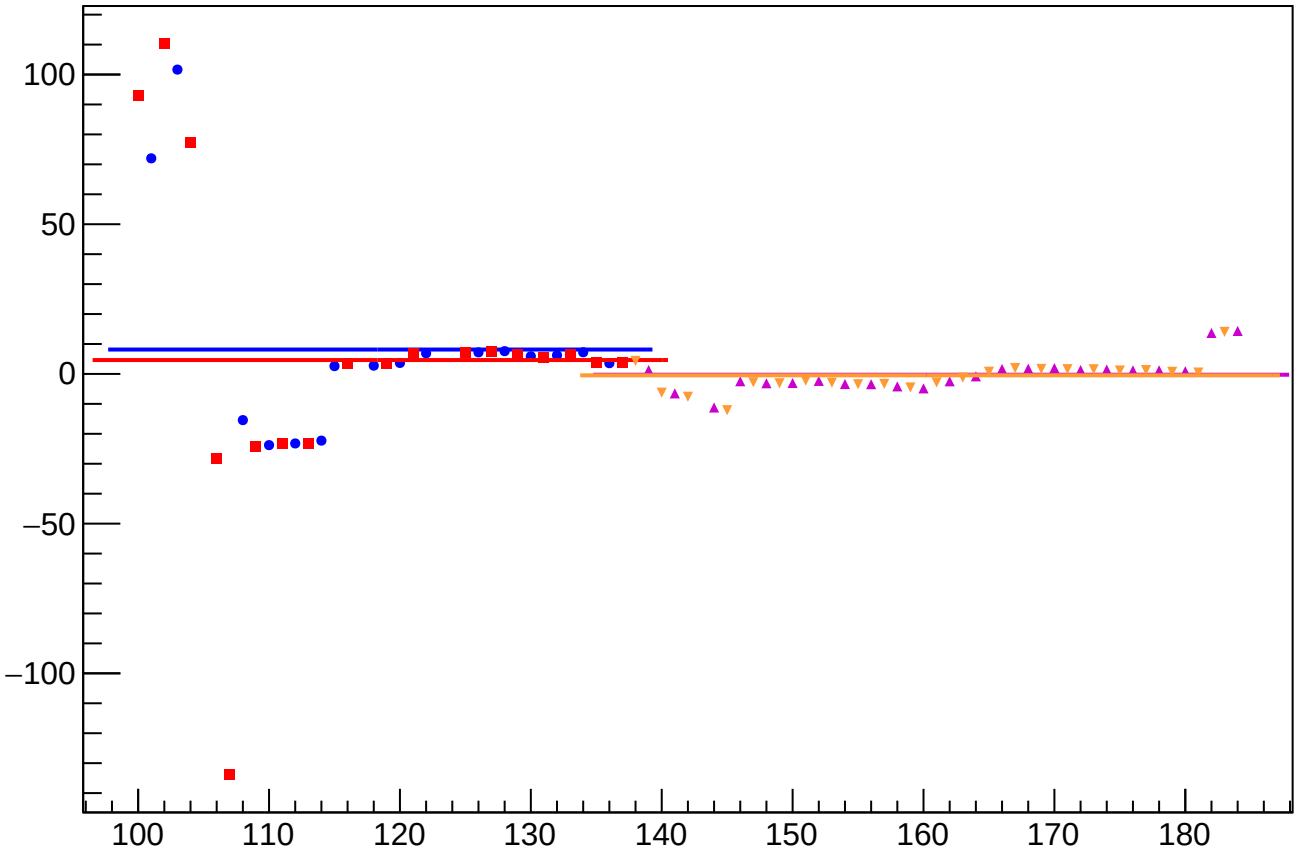
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.683+/-0.356 χ^2/NDF: 261.0/38

All: 1.545+/-0.253 χ^2/NDF: 461.6/79

- sign 1.403+/-0.361 χ^2/NDF: 200.3/40



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -0.465+/-0.018 χ^2/NDF:70493.0/22

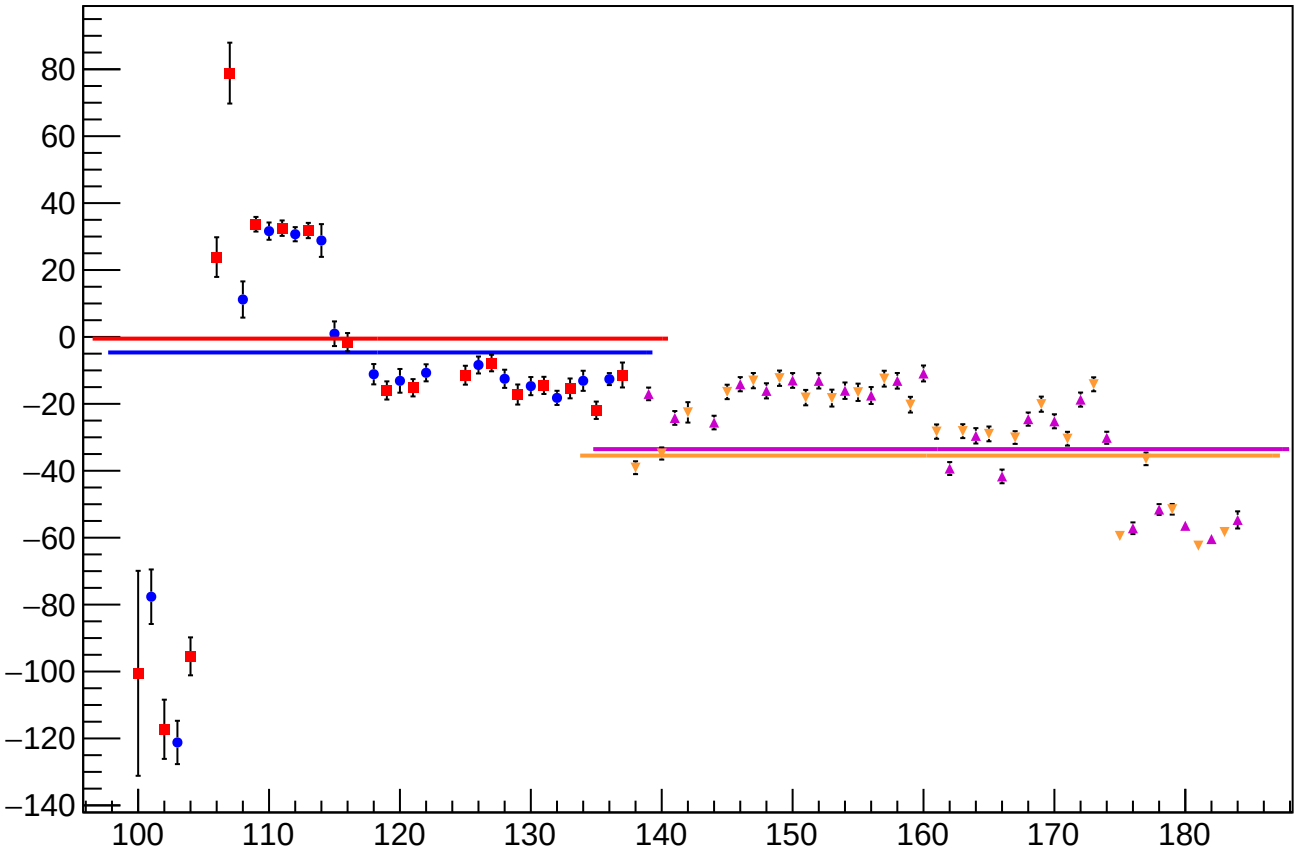
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 0.560+/-0.017 χ^2/NDF: 411760.6/38

All: 0.405+/-0.012 χ^2/NDF: 939592.7/79

- sign 0.247+/-0.017 χ^2/NDF: 527656.9/40



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -35.465+/-0.411 χ^2/NDF:1824.3/22

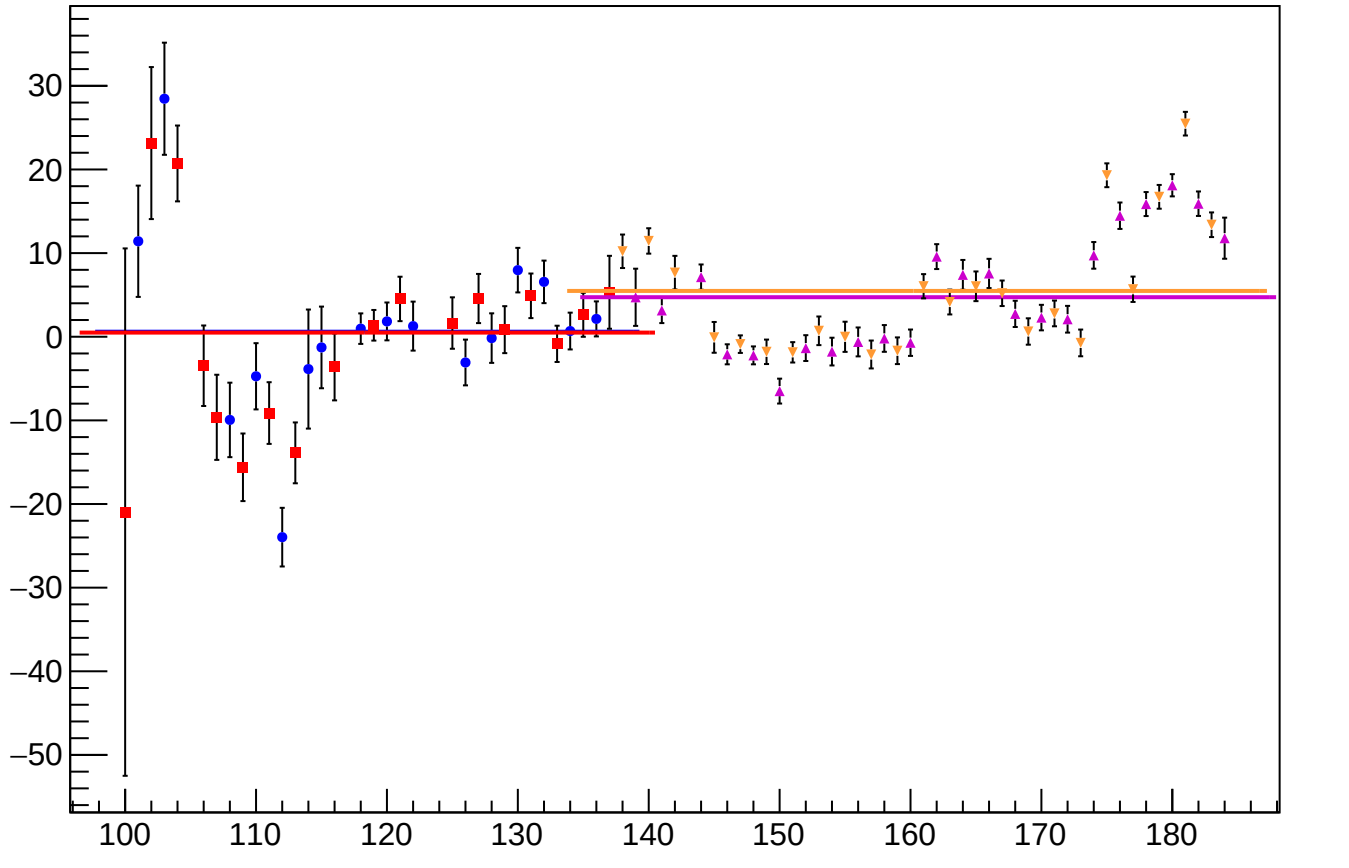
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -27.743+/-0.356 χ^2/NDF: 4277.1/38

All: -26.463+/-0.252 χ^2/NDF: 9179.1/79

- sign -25.174+/-0.358 χ^2/NDF: 4876.1/40



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 5.478+/-0.317 χ^2/NDF:601.6/22

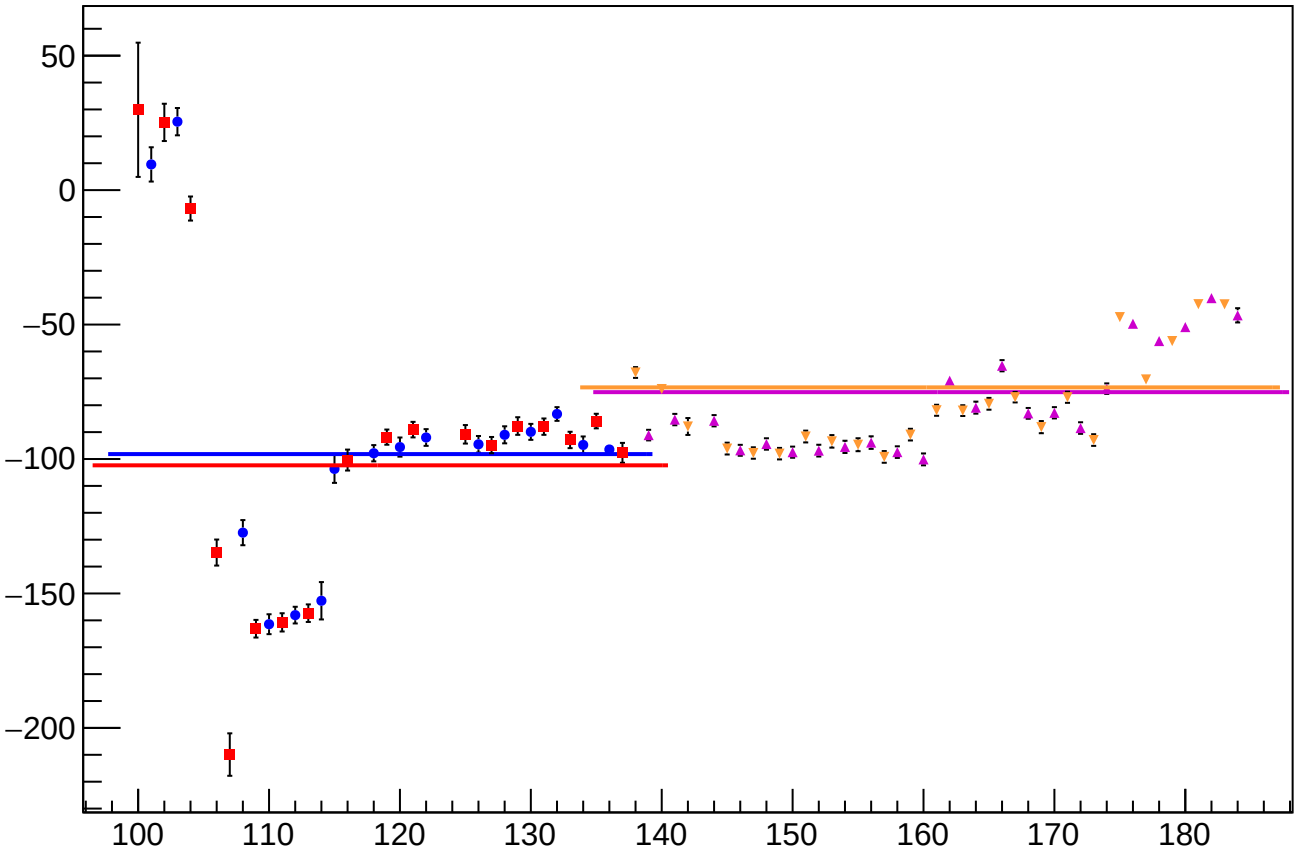
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.699+/-0.291 χ^2/NDF: 732.3/38

All: 4.394+/-0.207 χ^2/NDF: 1337.2/79

- sign 4.078+/-0.296 χ^2/NDF: 602.7/40



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -73.360+/-0.408 χ^2/NDF:2383.0/22

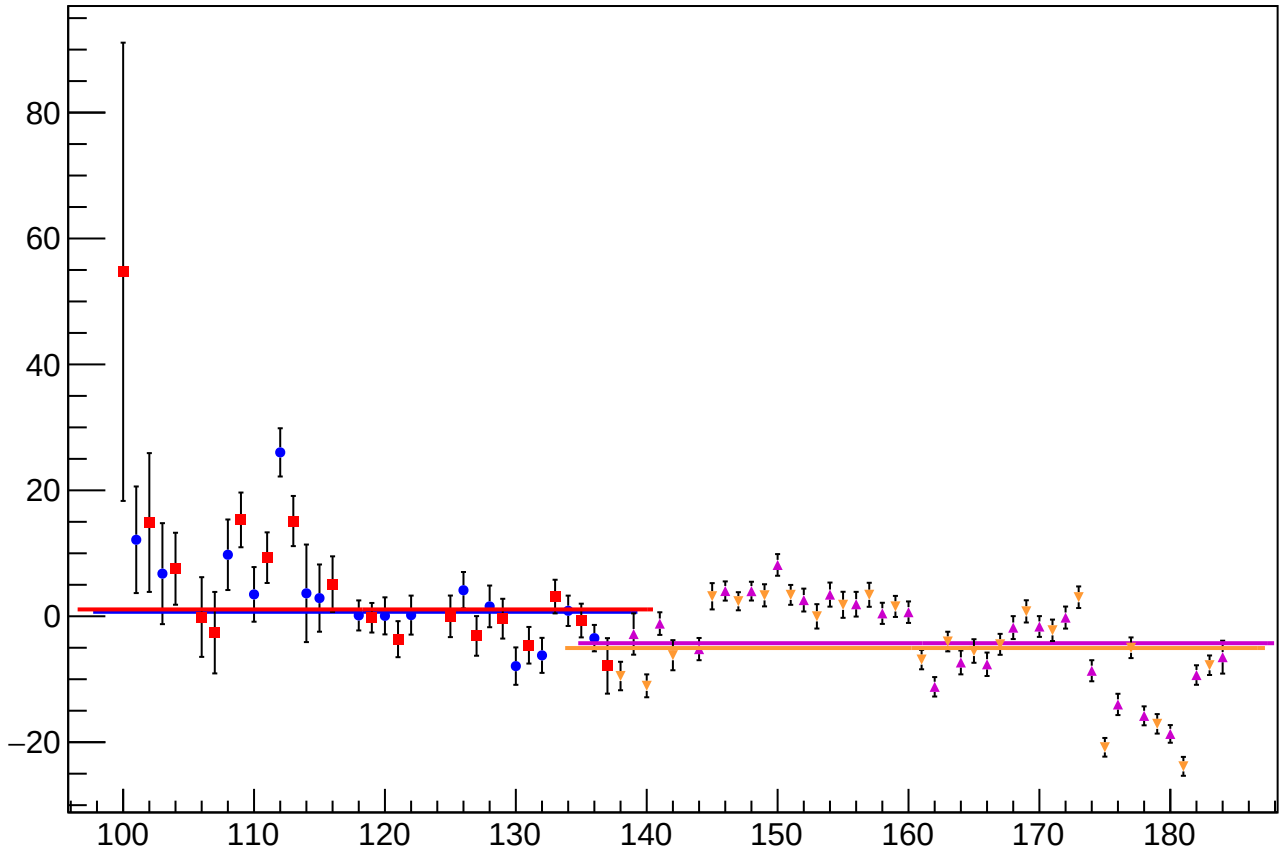
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -78.358+/-0.365 χ^2/NDF: 4827.0/38

All: -79.370+/-0.259 χ^2/NDF: 10174.8/79

\- sign -80.400+/-0.368 χ^2/NDF: 5332.2/40



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -5.047+/-0.357 χ^2/NDF:532.5/22

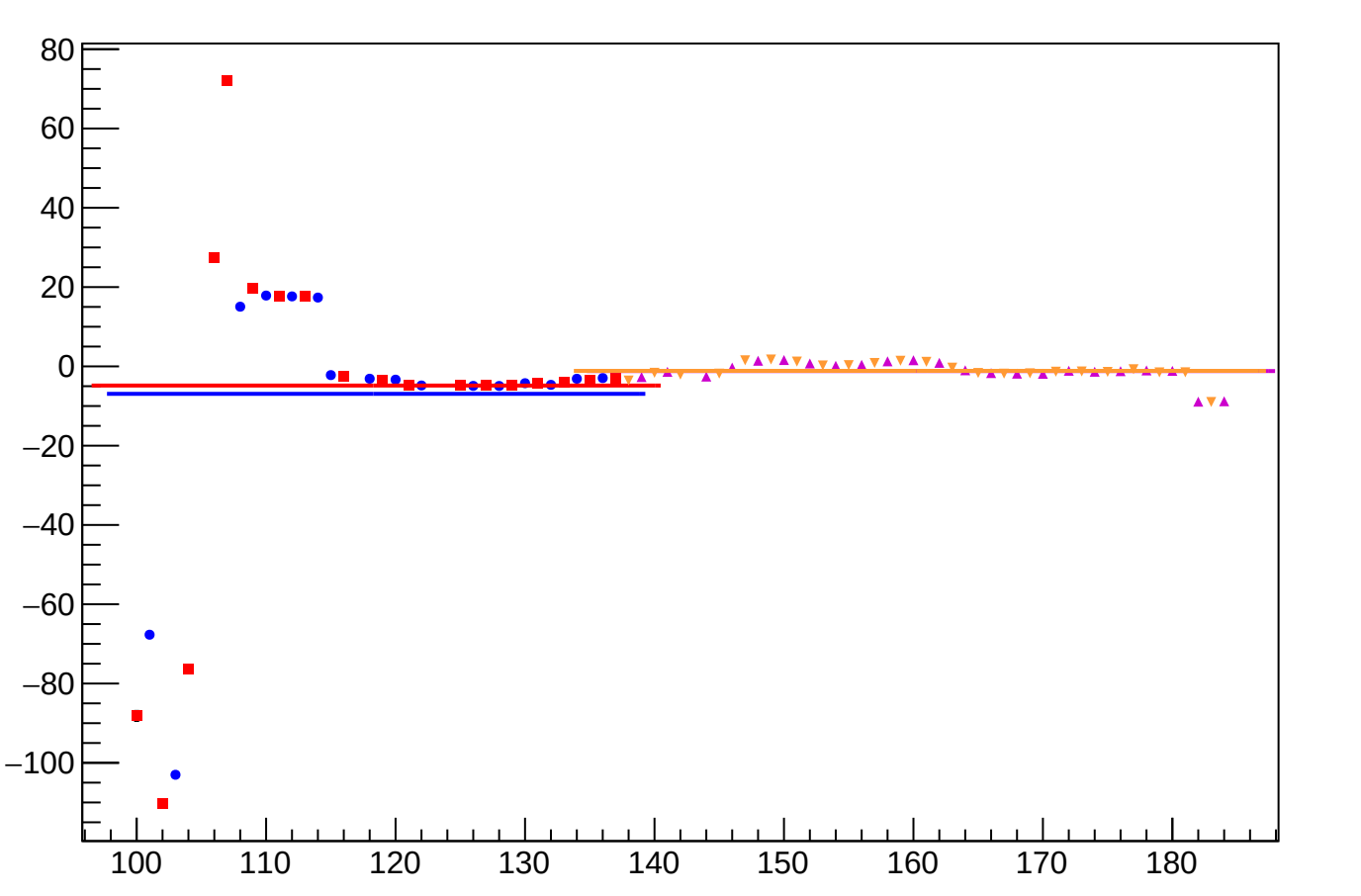
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -4.130+/-0.328 χ^2/NDF: 643.4/38

All: -3.804+/-0.233 χ^2/NDF: 1150.5/79

\- sign -3.469+/-0.333 χ^2/NDF: 505.1/40



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -1.130+/-0.016 χ^2/NDF:21204.7/22

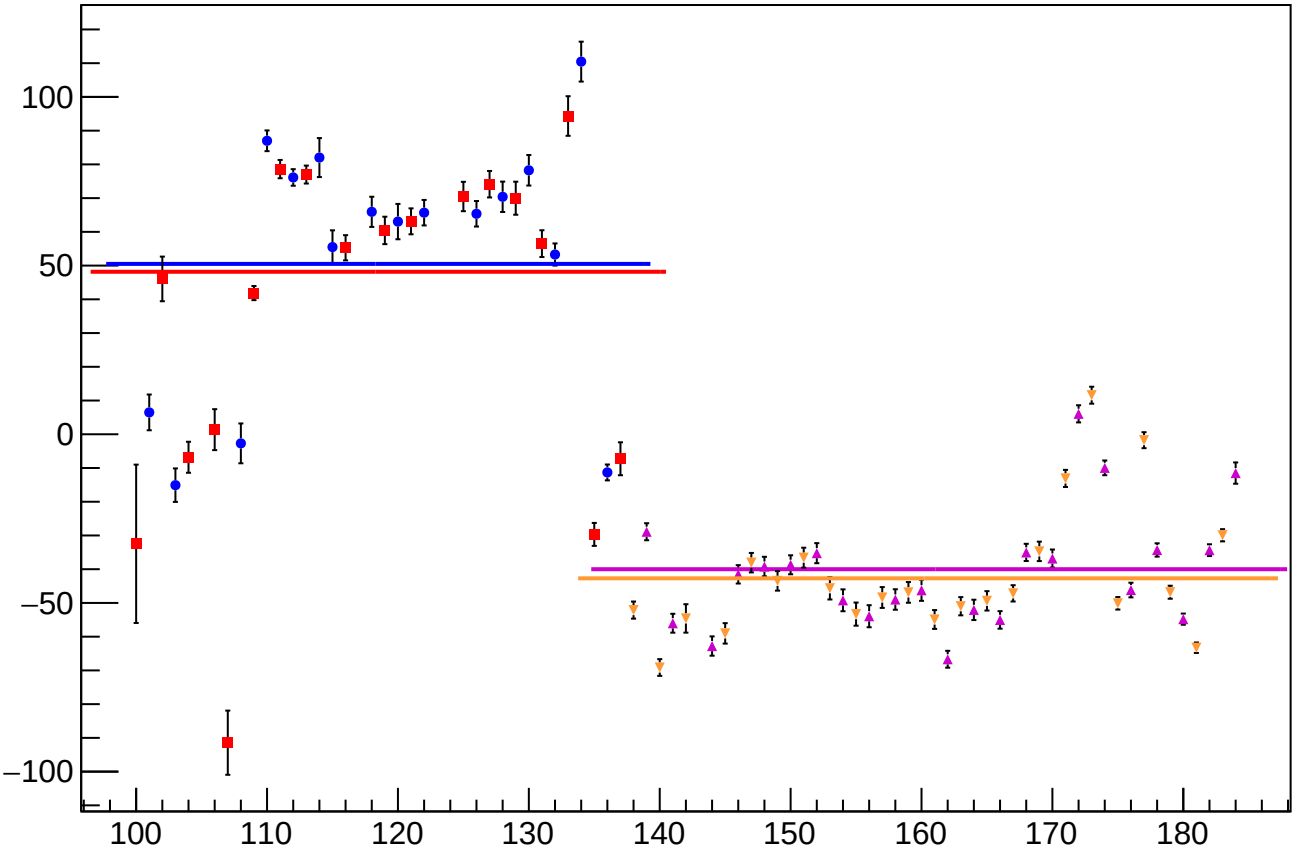
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -1.700+/-0.015 χ^2/NDF: 299257.8/38

All: -1.593+/-0.011 χ^2/NDF: 667857.7/79

- sign -1.486+/-0.015 χ^2/NDF: 368501.5/40



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -42.703+/-0.522 χ^2/NDF:1378.9/22

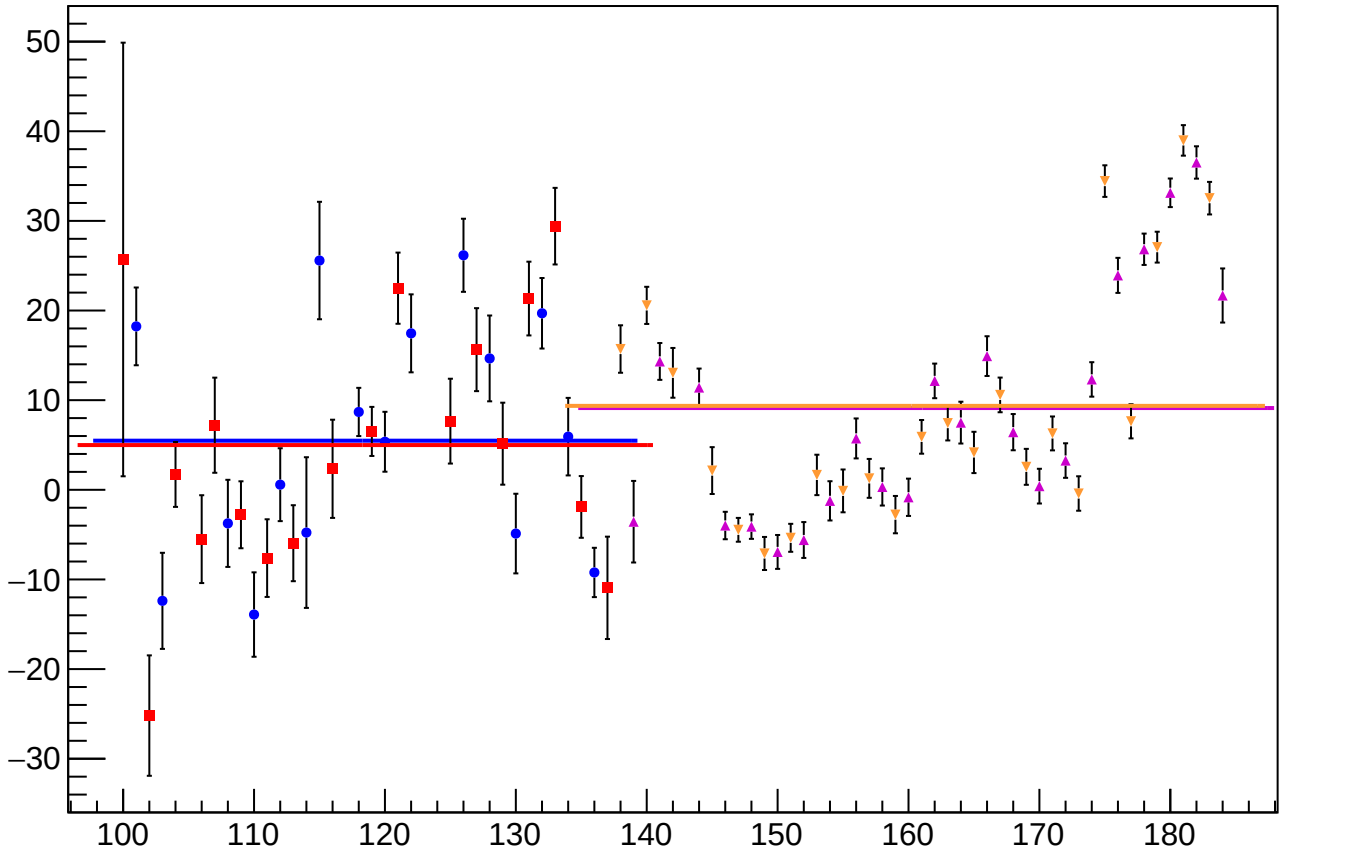
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -21.633+/-0.459 χ^2/NDF: 10097.6/38

All: -19.892+/-0.323 χ^2/NDF: 19676.2/79

\- sign -18.182+/-0.455 χ^2/NDF: 9550.1/40



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

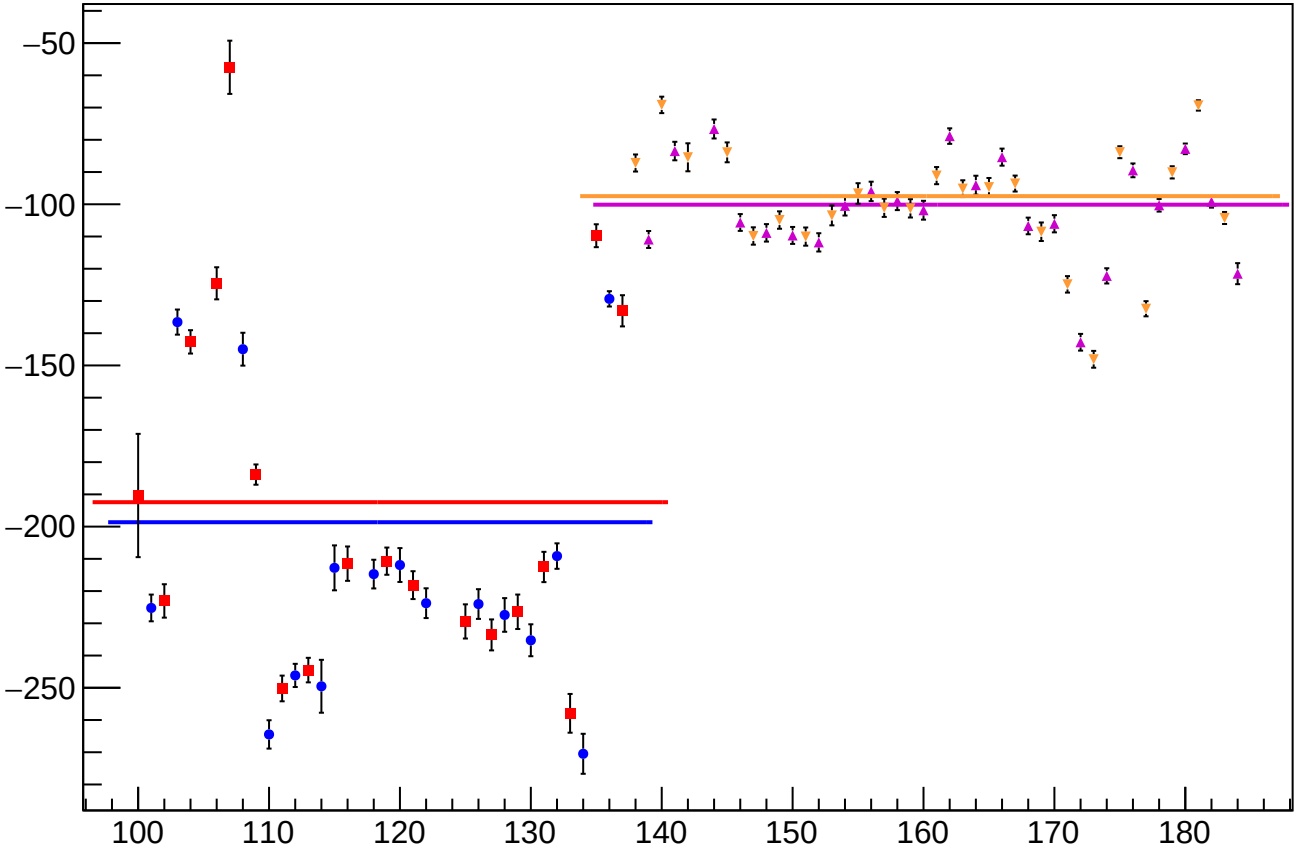
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.839+/-0.376 χ^2/NDF: 1371.7/38

All: 8.697+/-0.267 χ^2/NDF: 2569.7/79

- sign 8.552+/-0.380 χ^2/NDF: 1197.7/40

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -97.479+/-0.518 χ^2/NDF:1345.0/22

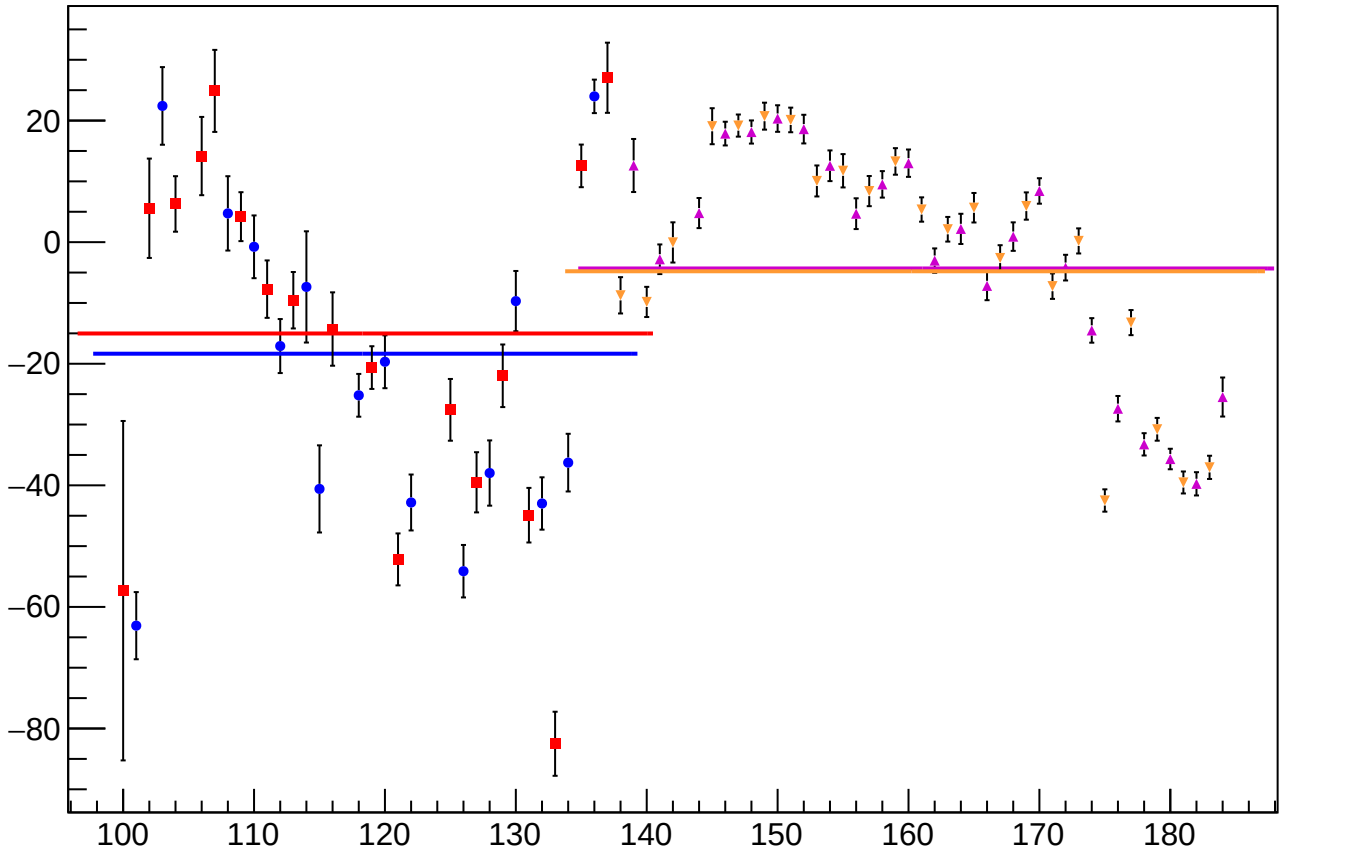
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -116.310+/-0.467 χ^2/NDF: 10443.3/38

All: -116.908+/-0.331 χ^2/NDF: 19340.0/79

- sign -117.509+/-0.469 χ^2/NDF: 8893.5/40



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

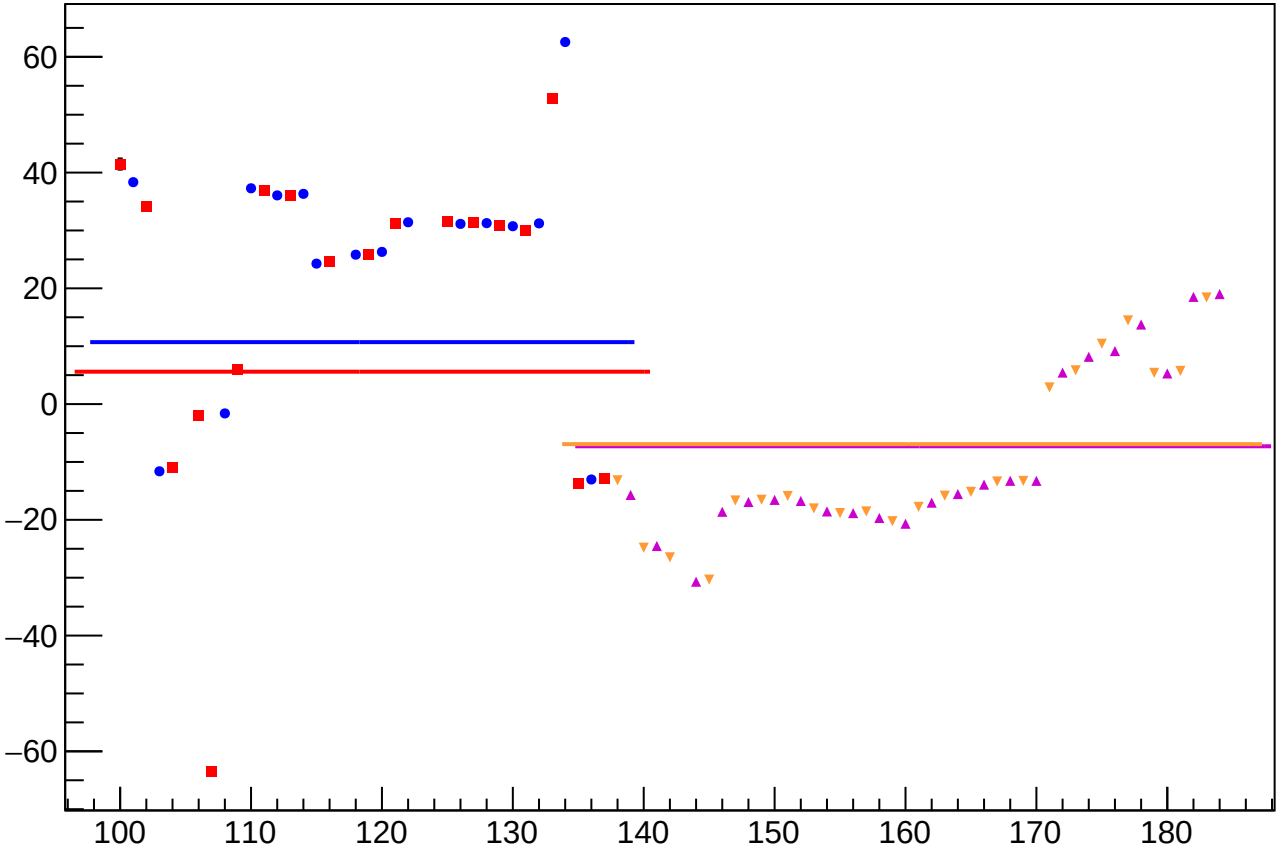
Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.597+/-0.423 χ^2/NDF: 2731.6/38

All: -6.187+/-0.301 χ^2/NDF: 5207.4/79

- sign -5.771+/-0.427 χ^2/NDF: 2473.9/40

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



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

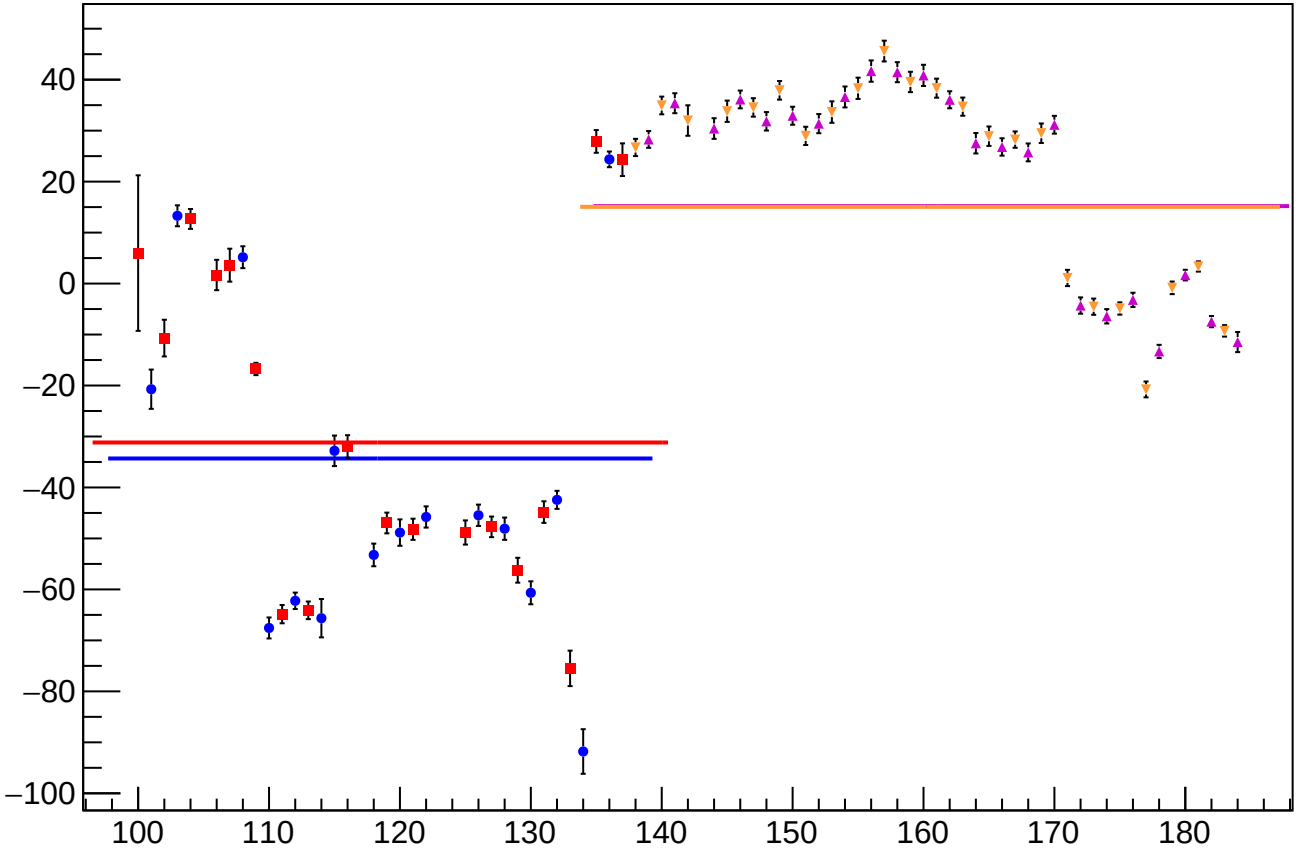
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -5.245+/-0.019 χ^2/NDF: 704603.1/38

All: -5.674+/-0.014 χ^2/NDF: 1386050.7/79

- sign -6.101+/-0.019 χ^2/NDF: 680471.9/40

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 15.055+/-0.338 χ^2/NDF:3453.2/22

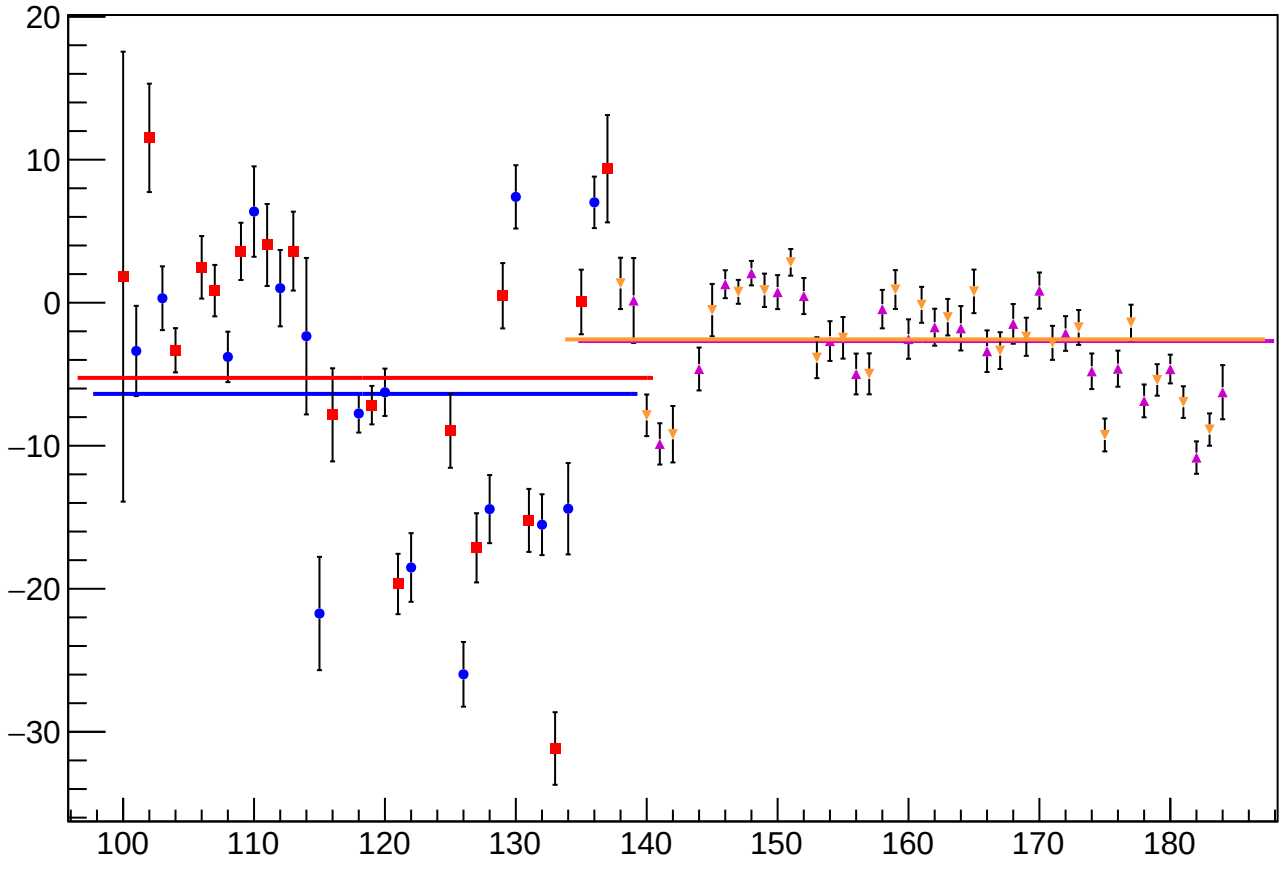
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign 1.421+/-0.288 χ^2/NDF: 12833.2/38

All: 1.299+/-0.202 χ^2/NDF: 25081.1/79

- sign 1.180+/-0.284 χ^2/NDF: 12247.5/40



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

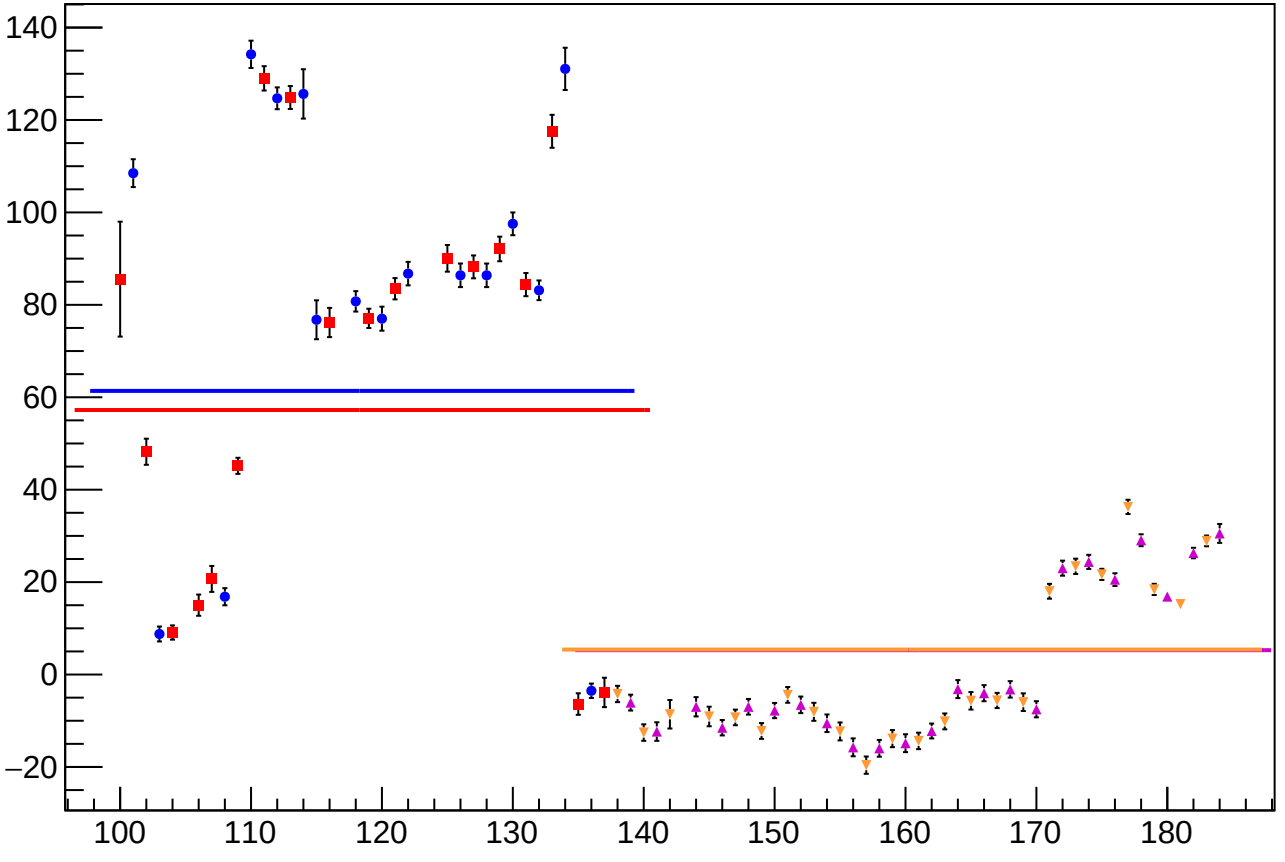
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -3.257+/-0.236 χ^2/NDF: 520.1/38

All: -3.224+/-0.167 χ^2/NDF: 1033.8/79

- sign -3.192+/-0.237 χ^2/NDF: 513.7/40

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



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

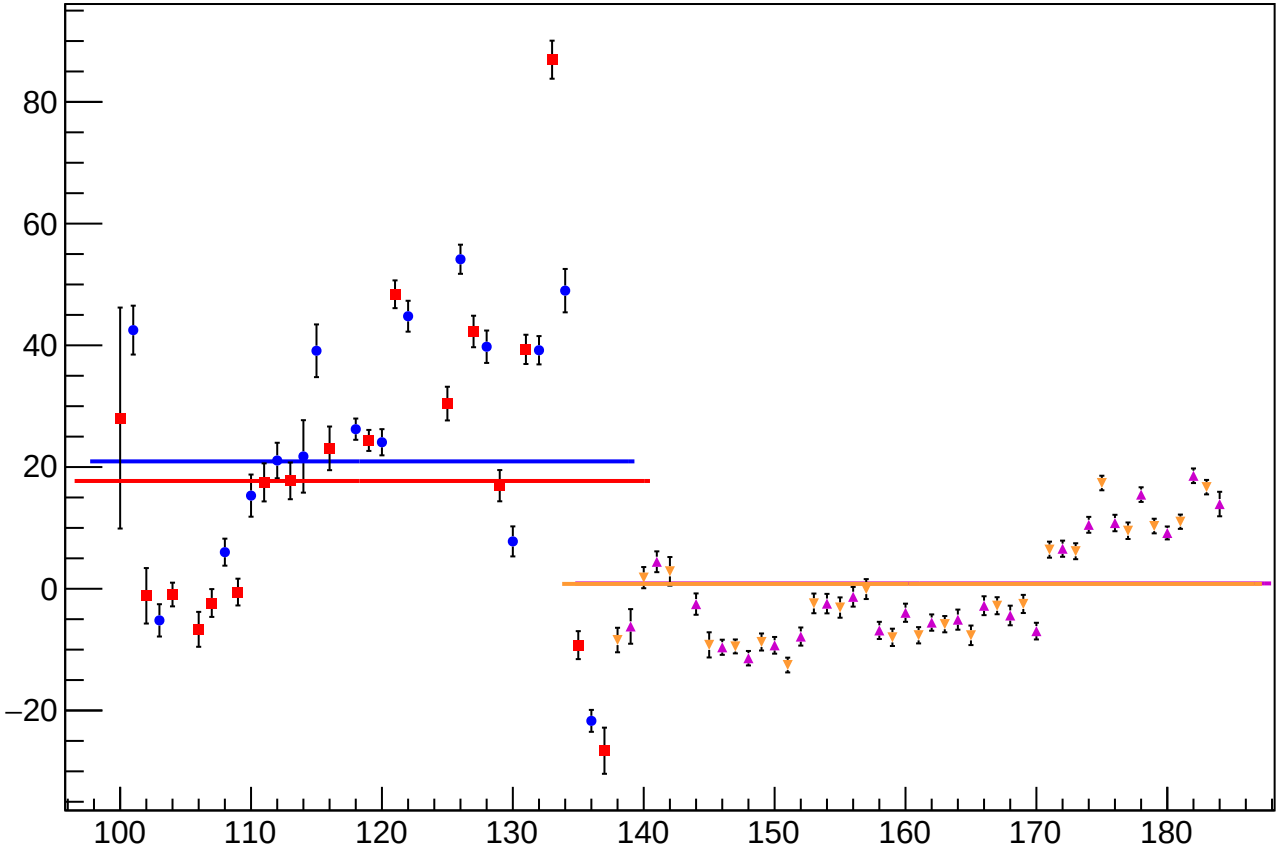
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

\+ sign 18.945+/-0.292 χ^2/NDF: 15315.7/38

All: 18.648+/-0.206 χ^2/NDF: 29040.3/79

\- sign 18.353+/-0.291 χ^2/NDF: 13722.5/40

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: 0.799+/-0.294 χ^2/NDF:1030.2/22

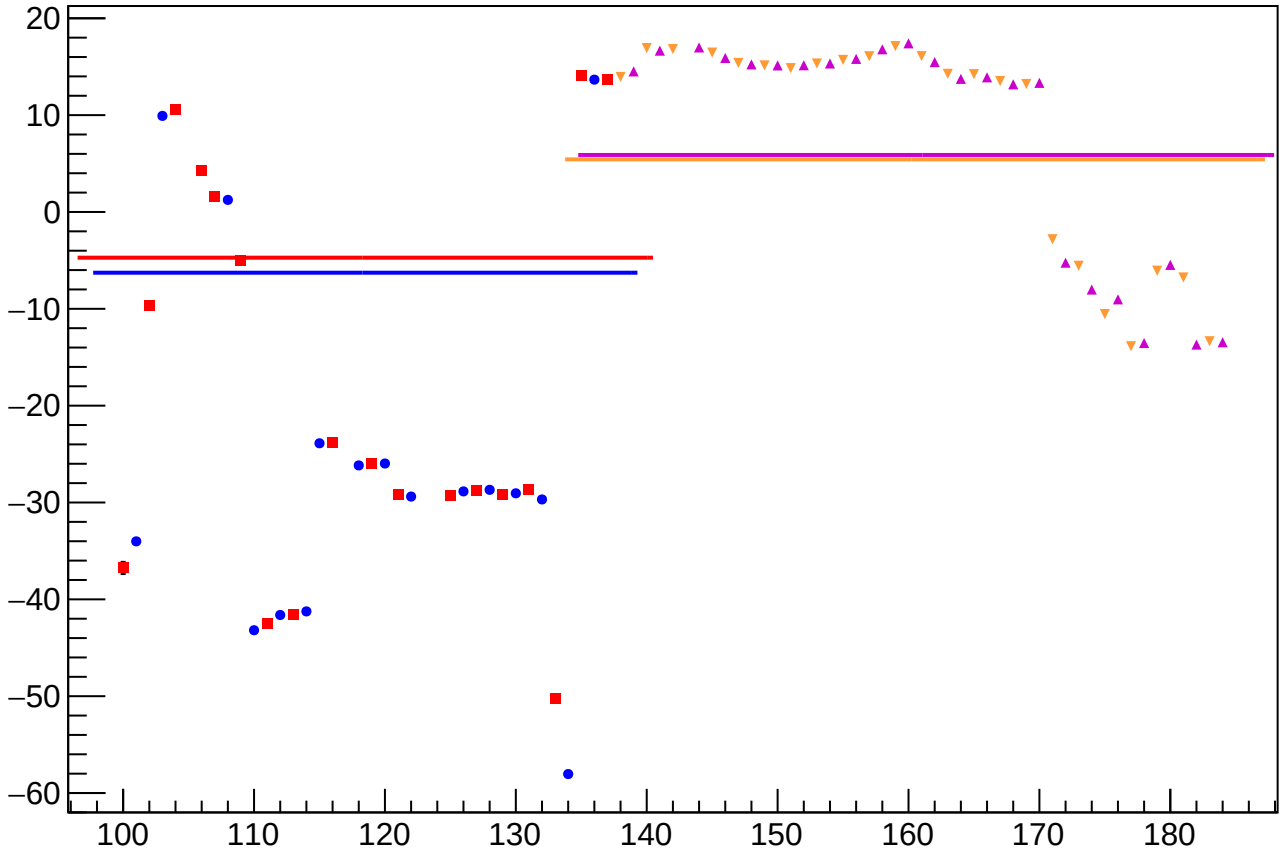
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.312+/-0.267 χ^2/NDF: 3092.1/38

All: 4.176+/-0.189 χ^2/NDF: 6182.9/79

- sign 4.040+/-0.268 χ^2/NDF: 3090.2/40



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 5.431+/-0.013 χ^2/NDF:816845.7/22

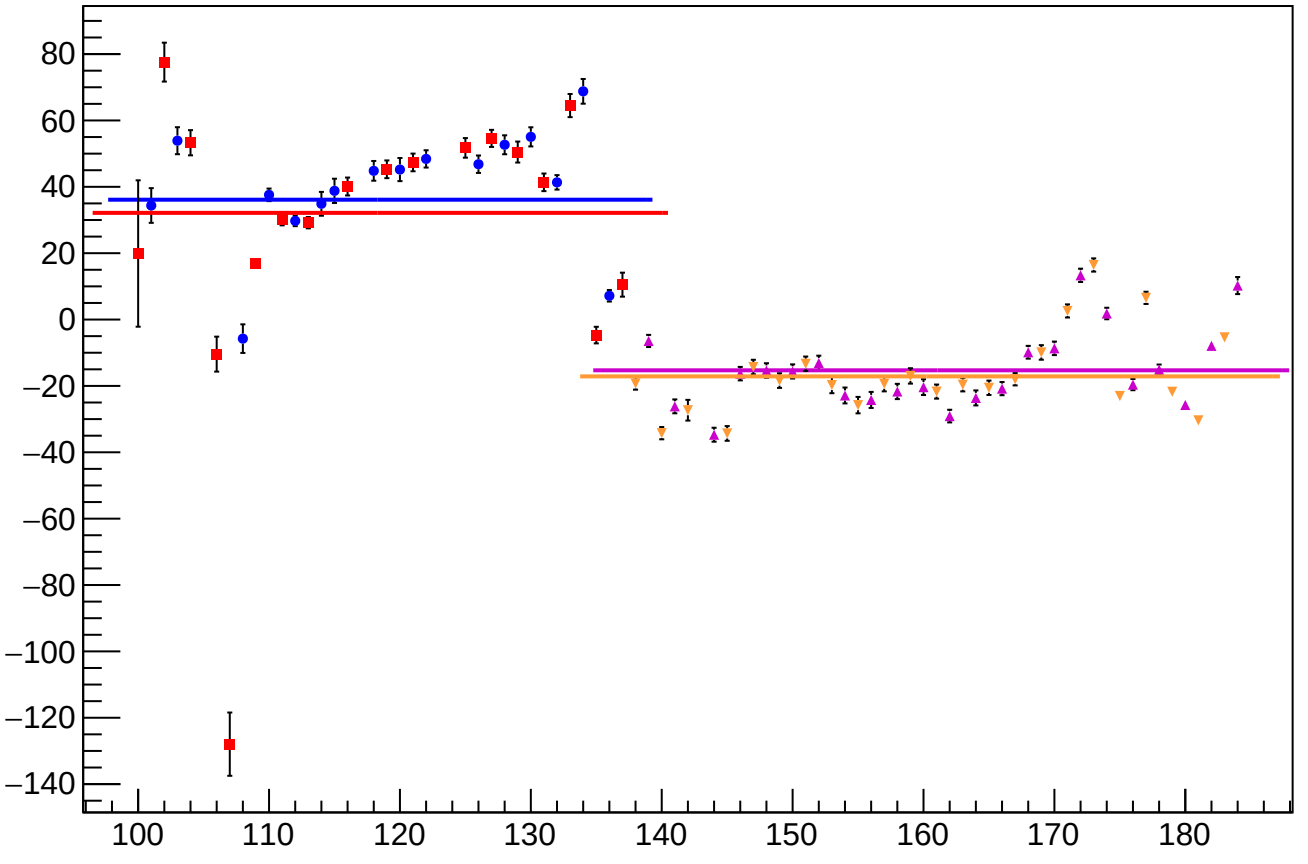
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.849+/-0.012 χ^2/NDF: 1333362.2/38

All: 4.168+/-0.009 χ^2/NDF: 2573739.4/79

- sign 4.484+/-0.012 χ^2/NDF: 1239036.3/40



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

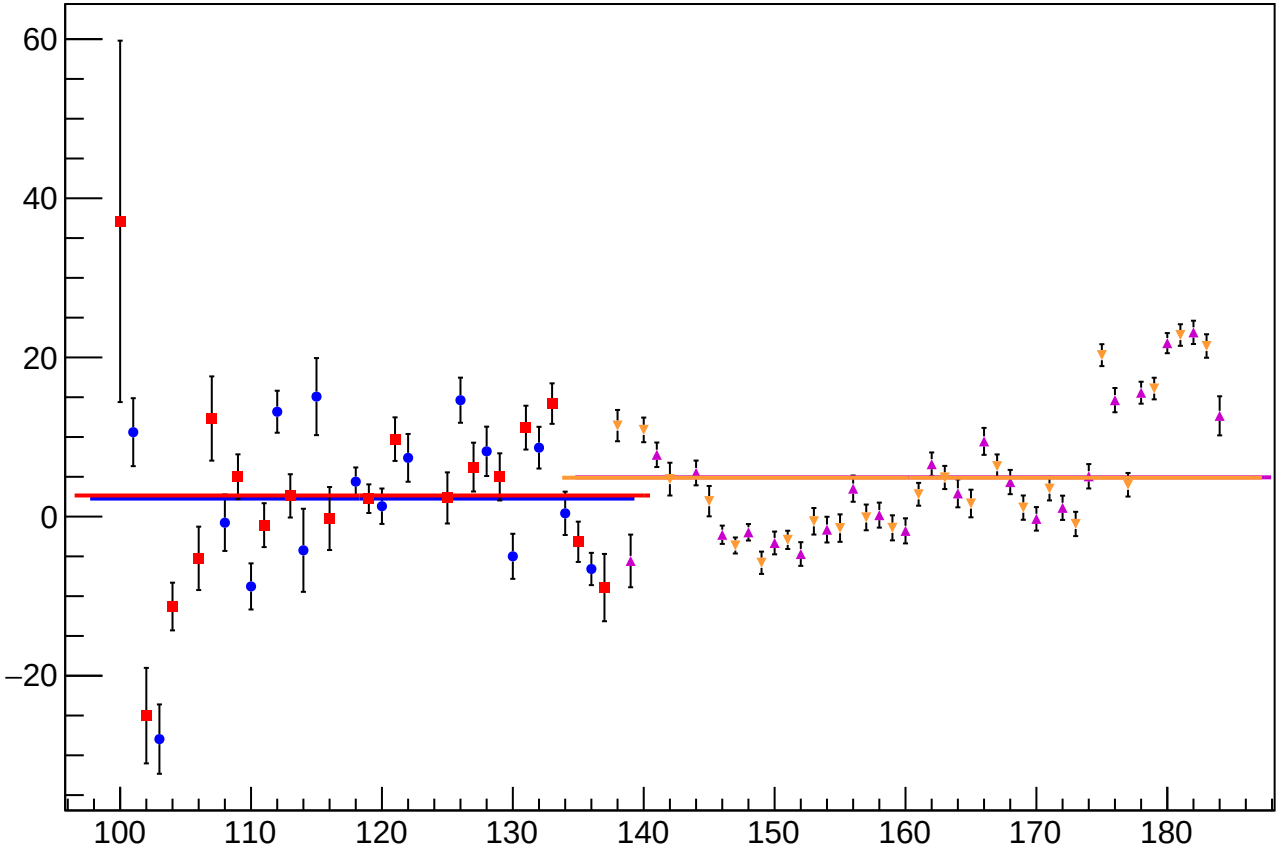
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign -2.663+/-0.342 χ^2/NDF: 6364.5/38

All: -2.091+/-0.241 χ^2/NDF: 12263.4/79

\- sign -1.527+/-0.340 χ^2/NDF: 5893.4/40

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

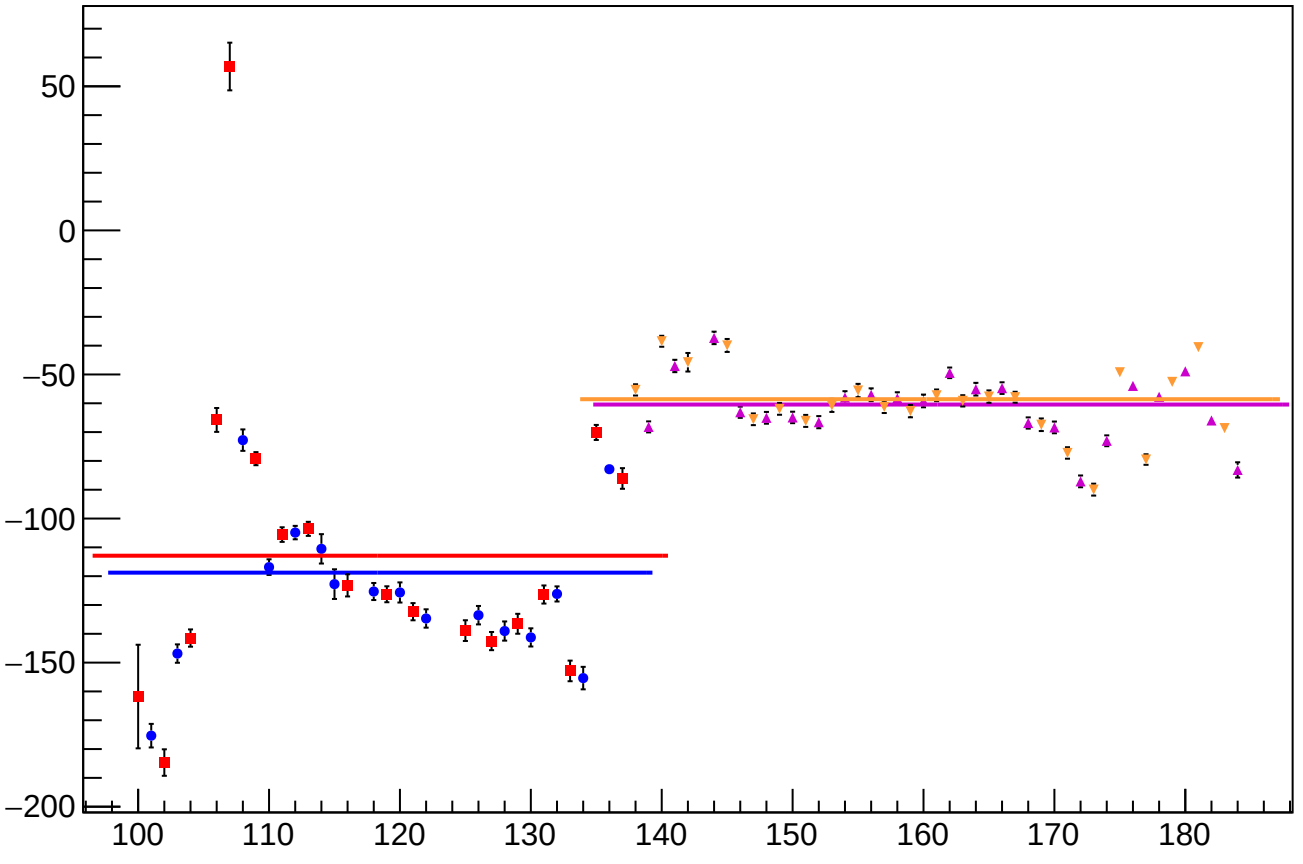
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

\+ sign 4.460+/-0.282 χ^2/NDF: 940.4/38

All: 4.513+/-0.201 χ^2/NDF: 1744.6/79

\- sign 4.568+/-0.287 χ^2/NDF: 804.1/40



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -58.586+/-0.398 χ^2/NDF:1000.2/22

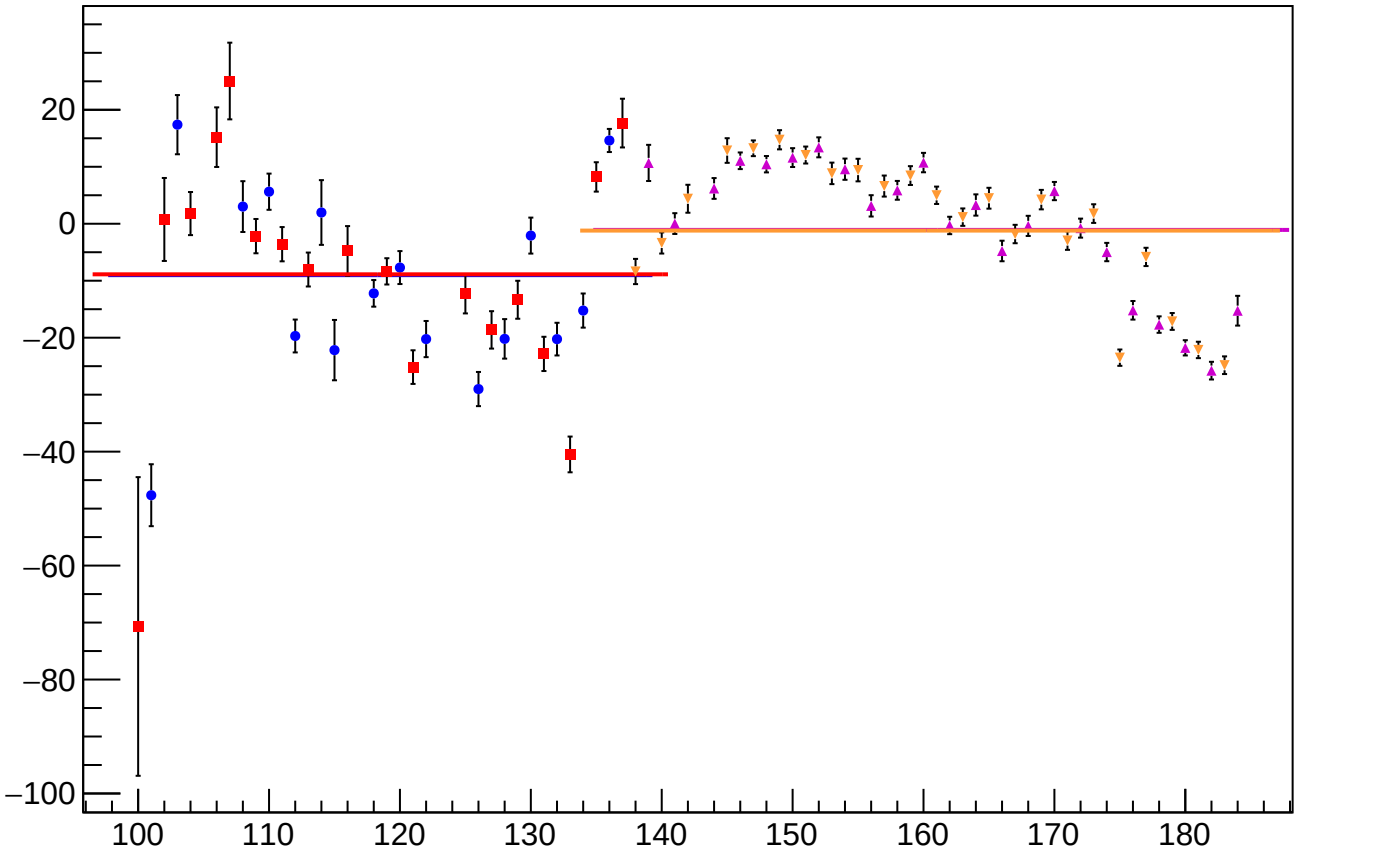
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -71.607+/-0.352 χ^2/NDF: 7076.7/38

All: -71.689+/-0.250 χ^2/NDF: 13334.2/79

\- sign -71.771+/-0.354 χ^2/NDF: 6257.4/40



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: -1.201+/-0.348 χ^2/NDF:1301.0/22

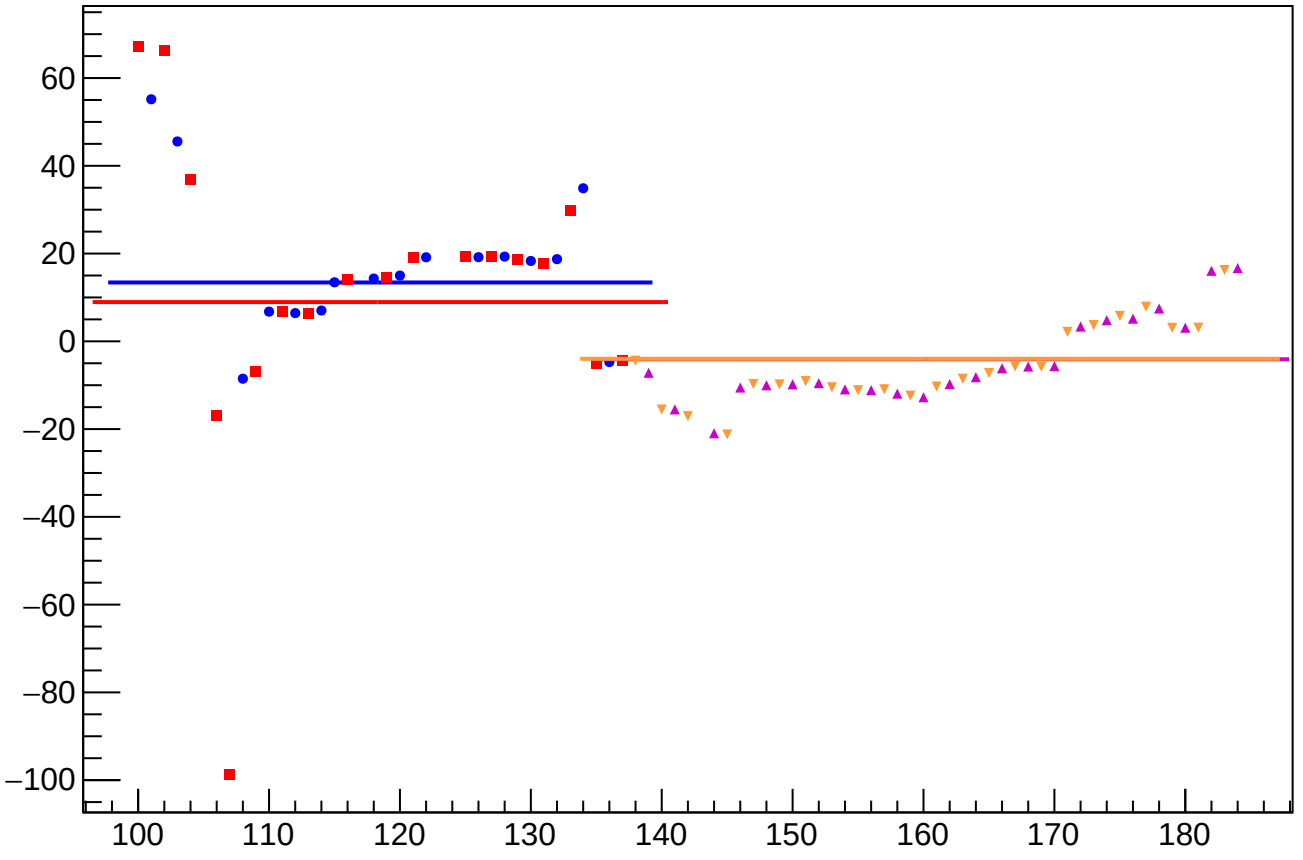
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.456+/-0.319 χ^2/NDF: 1740.1/38

All: -2.388+/-0.227 χ^2/NDF: 3294.2/79

- sign -2.318+/-0.323 χ^2/NDF: 1554.0/40



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -3.983+/-0.016 χ^2/NDF:318551.2/22

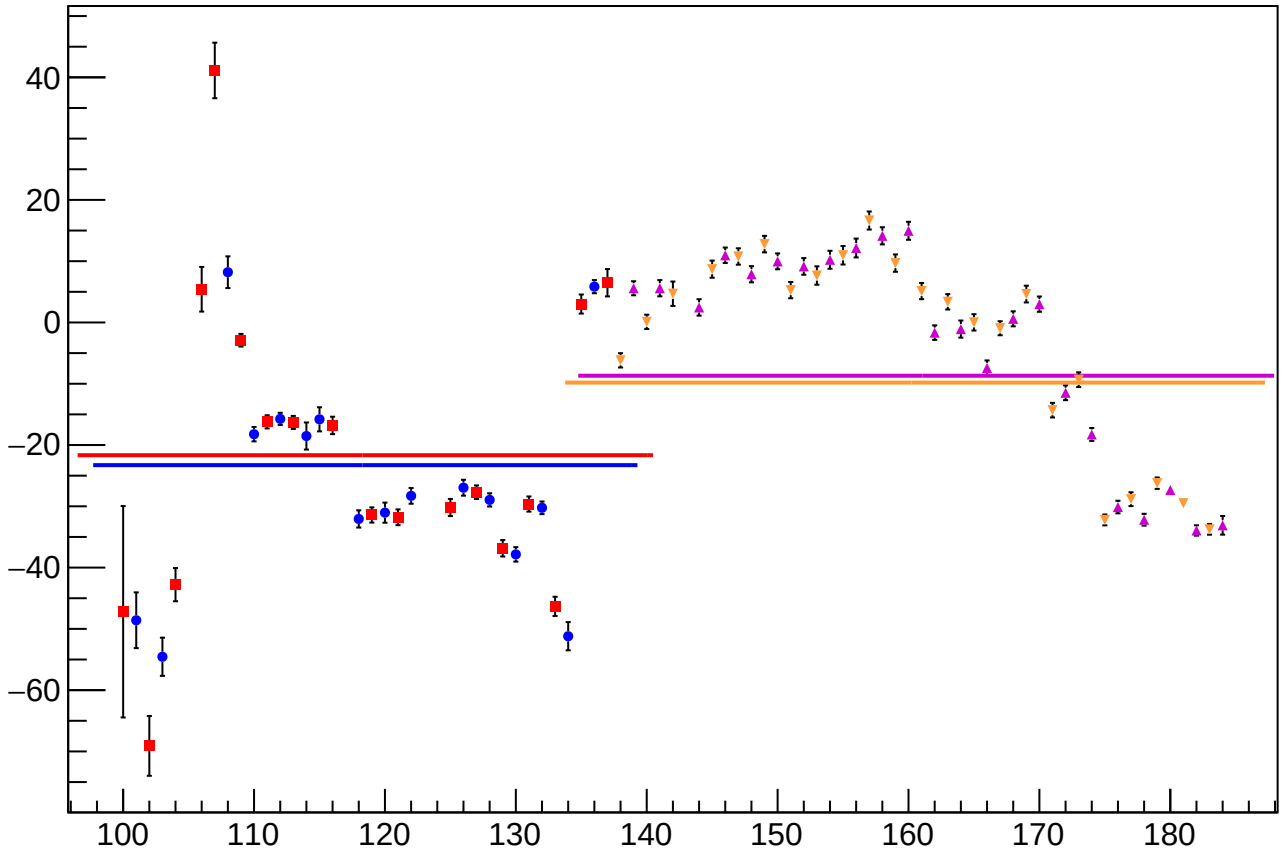
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -2.139+/-0.015 χ^2/NDF: 634182.5/38

All: -2.483+/-0.010 χ^2/NDF: 1327969.2/79

- sign -2.827+/-0.015 χ^2/NDF: 692698.0/40



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -9.809+/-0.246 χ^2/NDF:4935.5/22

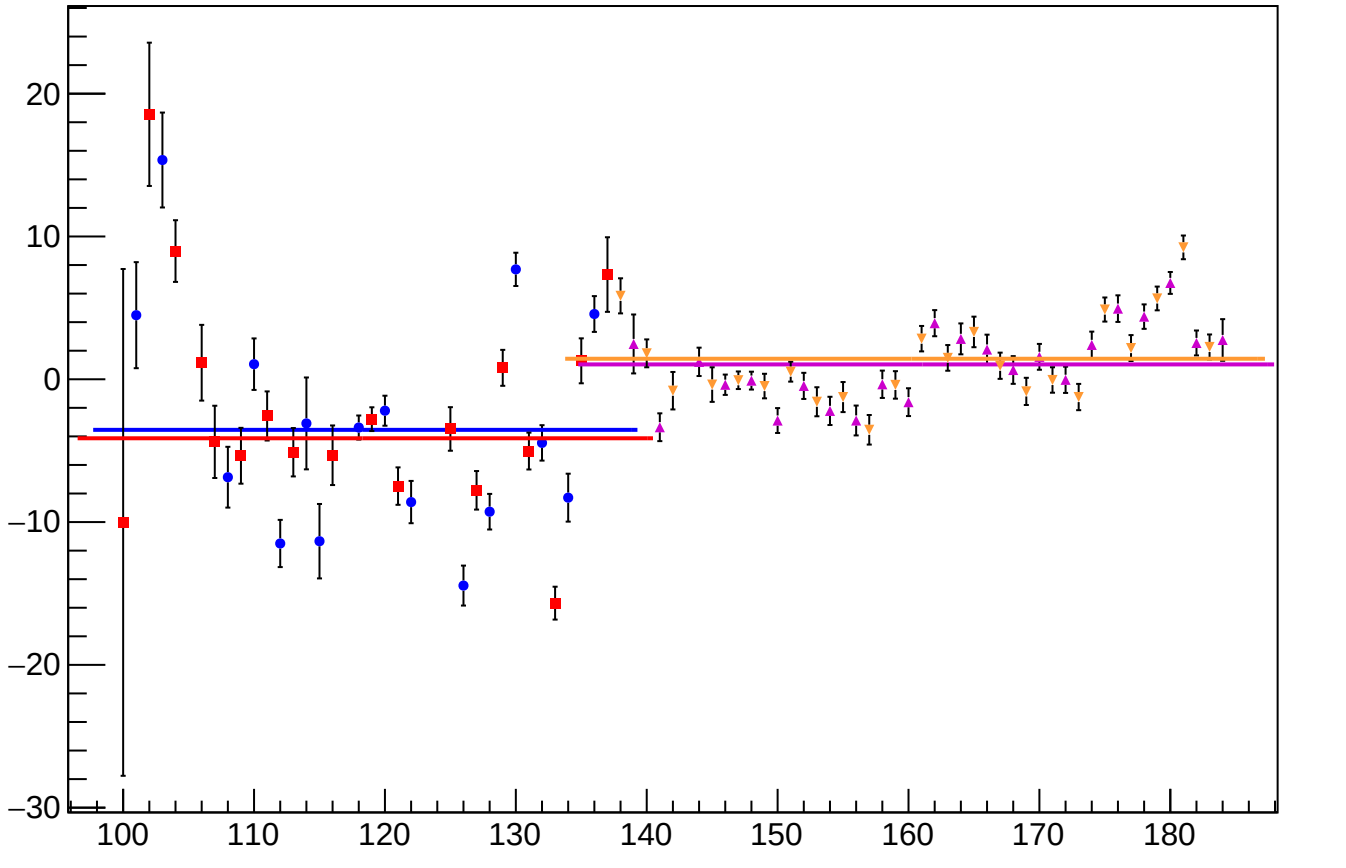
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.265+/-0.202 χ^2/NDF: 7492.6/38

All: -13.664+/-0.143 χ^2/NDF: 15270.2/79

- sign -13.061+/-0.202 χ^2/NDF: 7759.7/40



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 1.438+/-0.190 χ^2/NDF:228.0/22

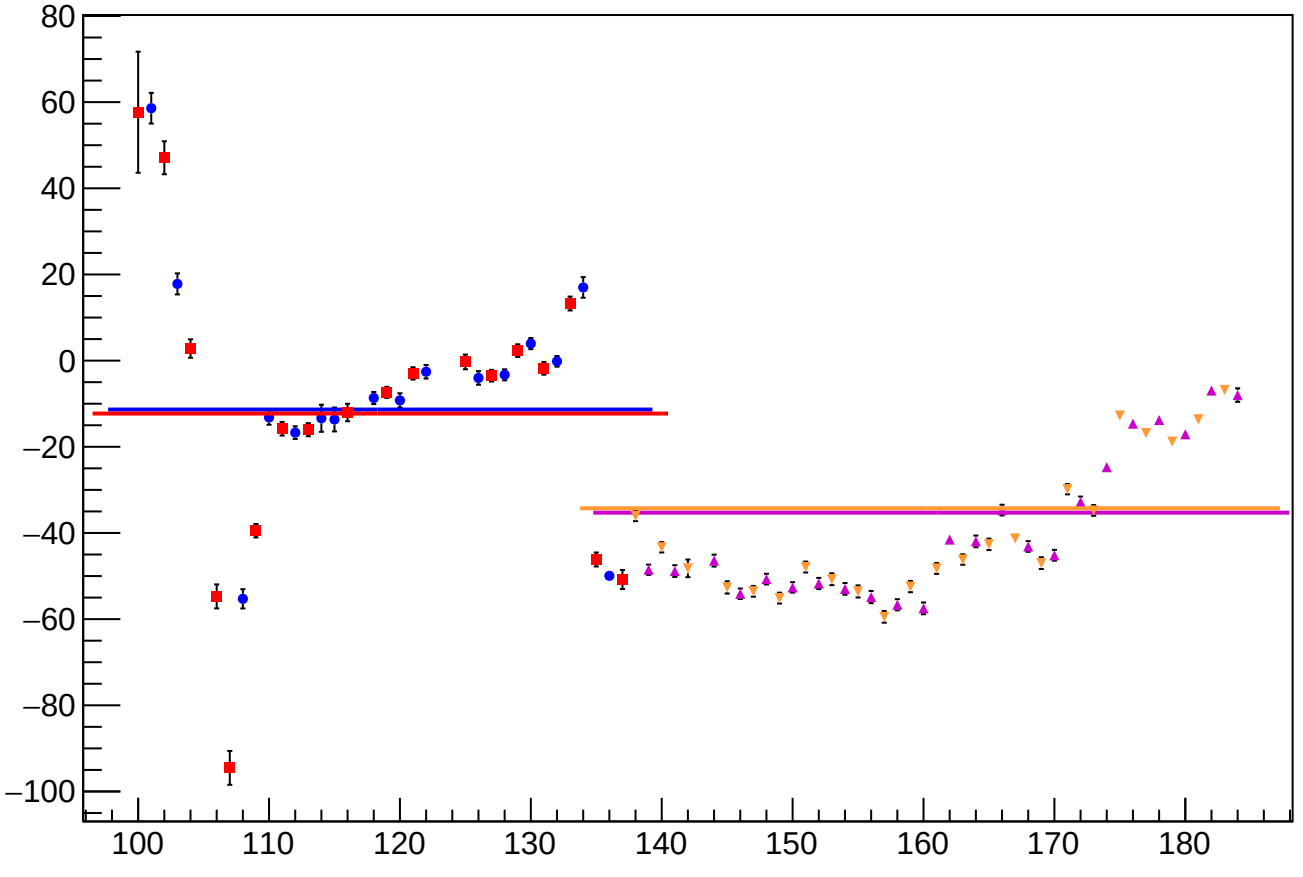
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.369+/-0.168 χ^2/NDF: 692.8/38

All: 0.159+/-0.120 χ^2/NDF: 1272.9/79

- sign -0.057+/-0.171 χ^2/NDF: 576.9/40



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -34.268+/-0.244 χ^2/NDF:4905.3/22

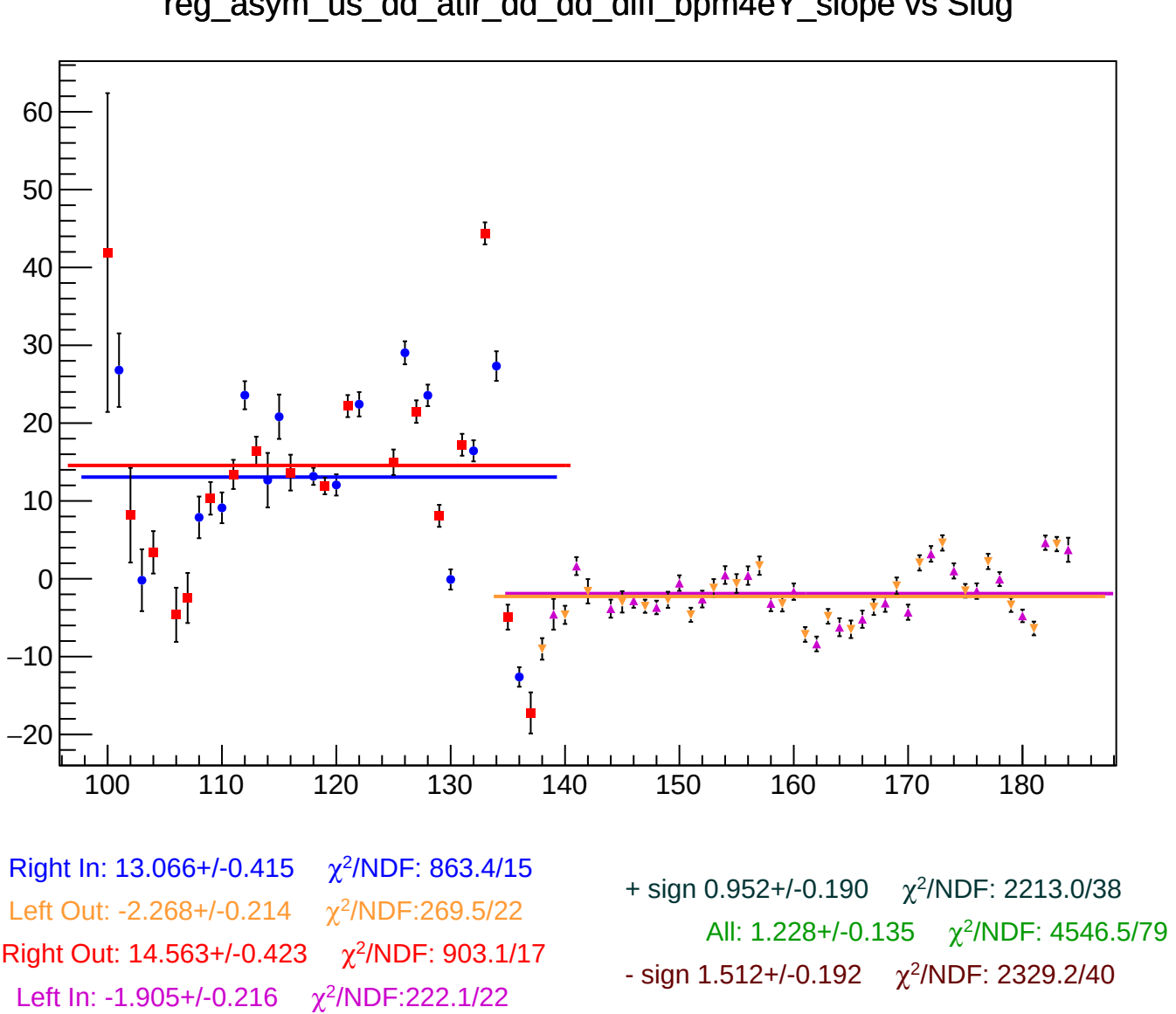
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

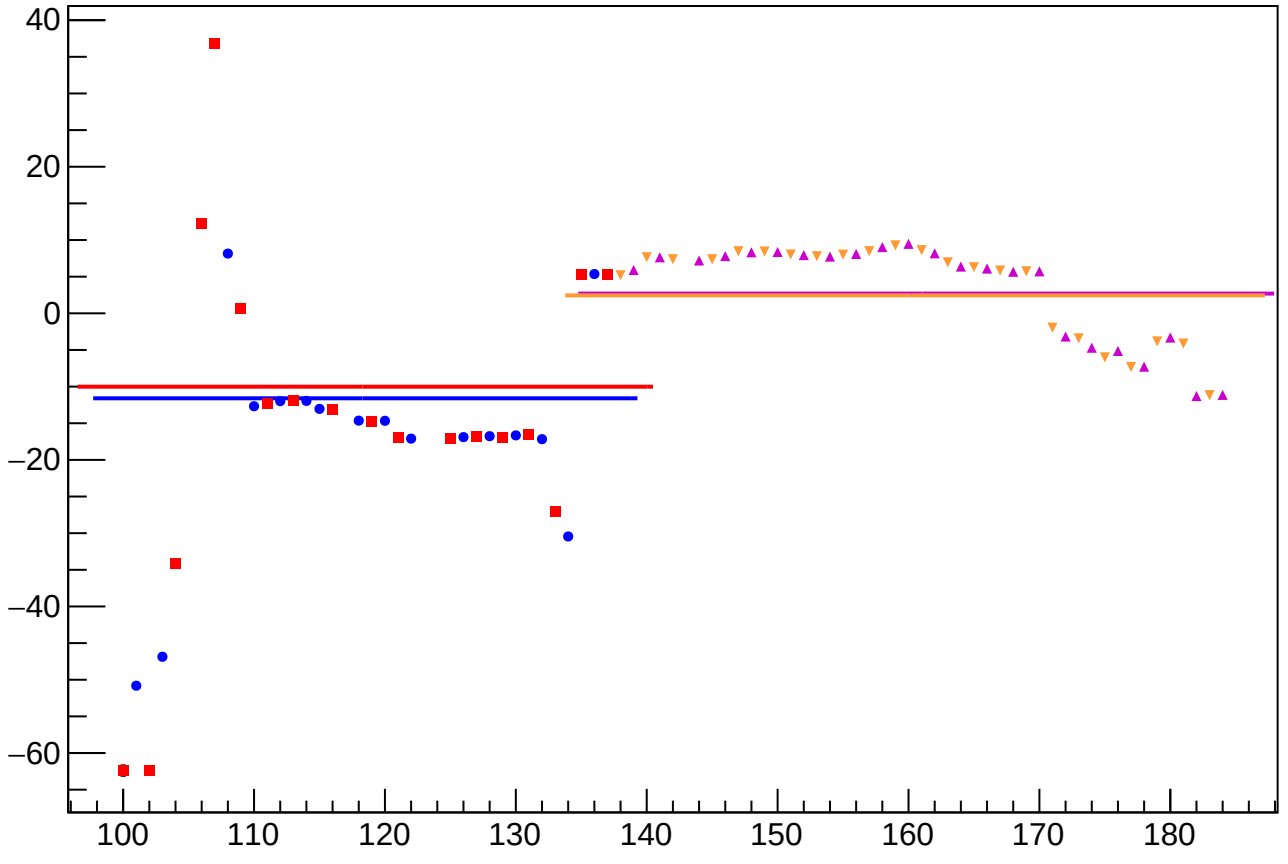
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -28.168+/-0.209 χ^2/NDF: 9907.7/38

All: -28.722+/-0.149 χ^2/NDF: 19801.8/79

- sign -29.285+/-0.211 χ^2/NDF: 9880.0/40


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 13.066+/-0.415 χ²/NDF: 863.4/15
Left Out: -2.268+/-0.214 χ²/NDF:269.5/22
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
+ sign 0.952+/-0.190 χ²/NDF: 2213.0/38
All: 1.228+/-0.135 χ²/NDF: 4546.5/79
- sign 1.512+/-0.192 χ²/NDF: 2329.2/40



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

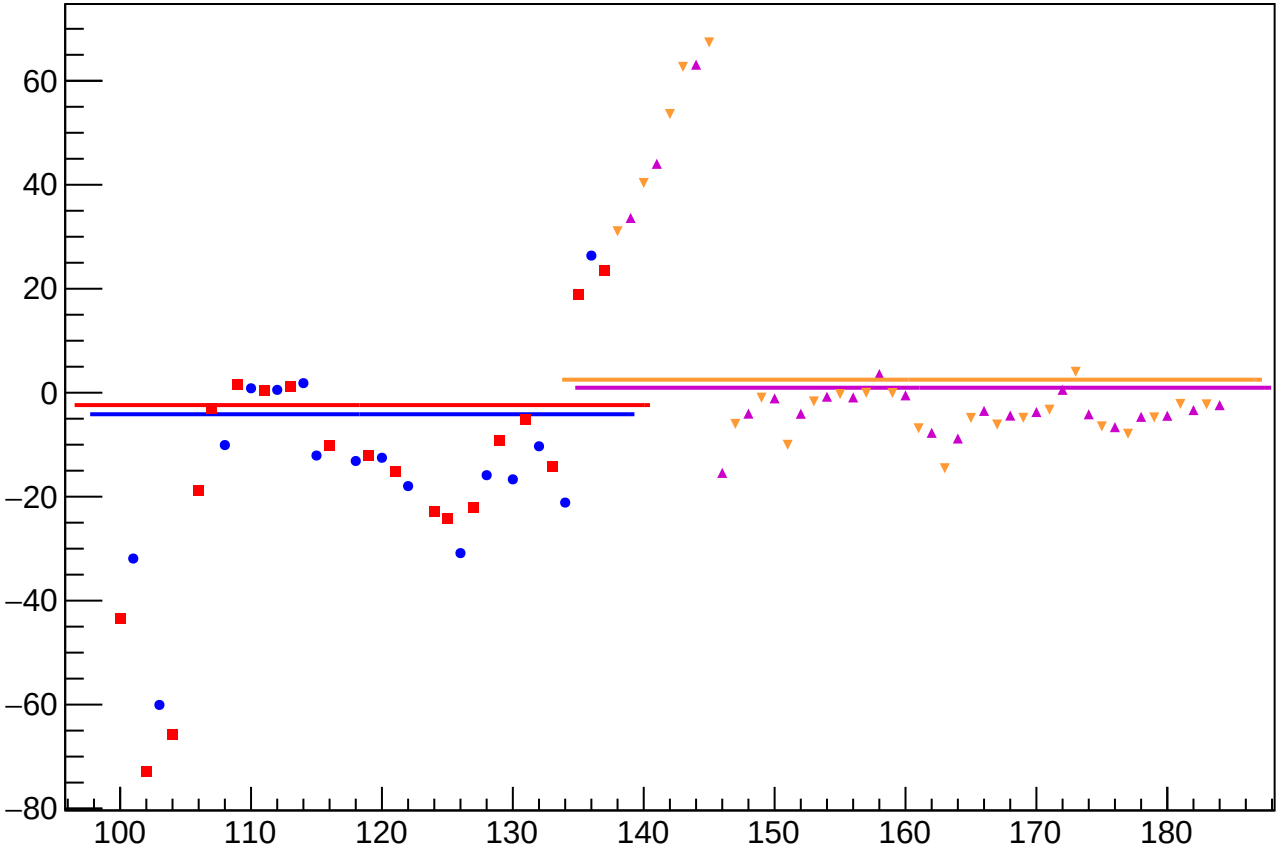
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign 0.798+/-0.009 χ^2/NDF: 1086539.7/38

All: 1.059+/-0.006 χ^2/NDF: 2174503.4/79

- sign 1.321+/-0.009 χ^2/NDF: 1086281.8/40

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

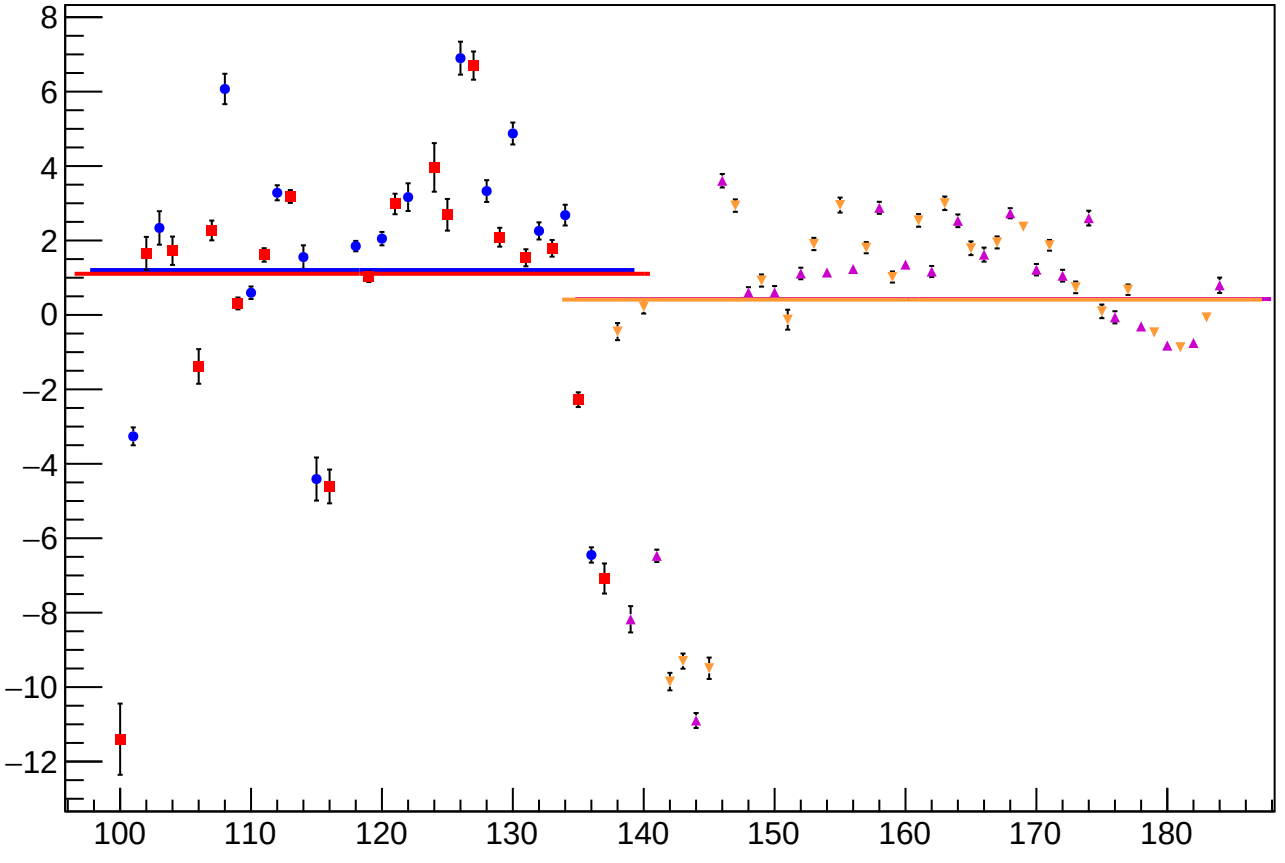
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.131+/-0.033 χ^2/NDF: 261072.4/39

All: -0.195+/-0.022 χ^2/NDF: 477520.4/81

- sign -0.473+/-0.030 χ^2/NDF: 216263.5/41

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

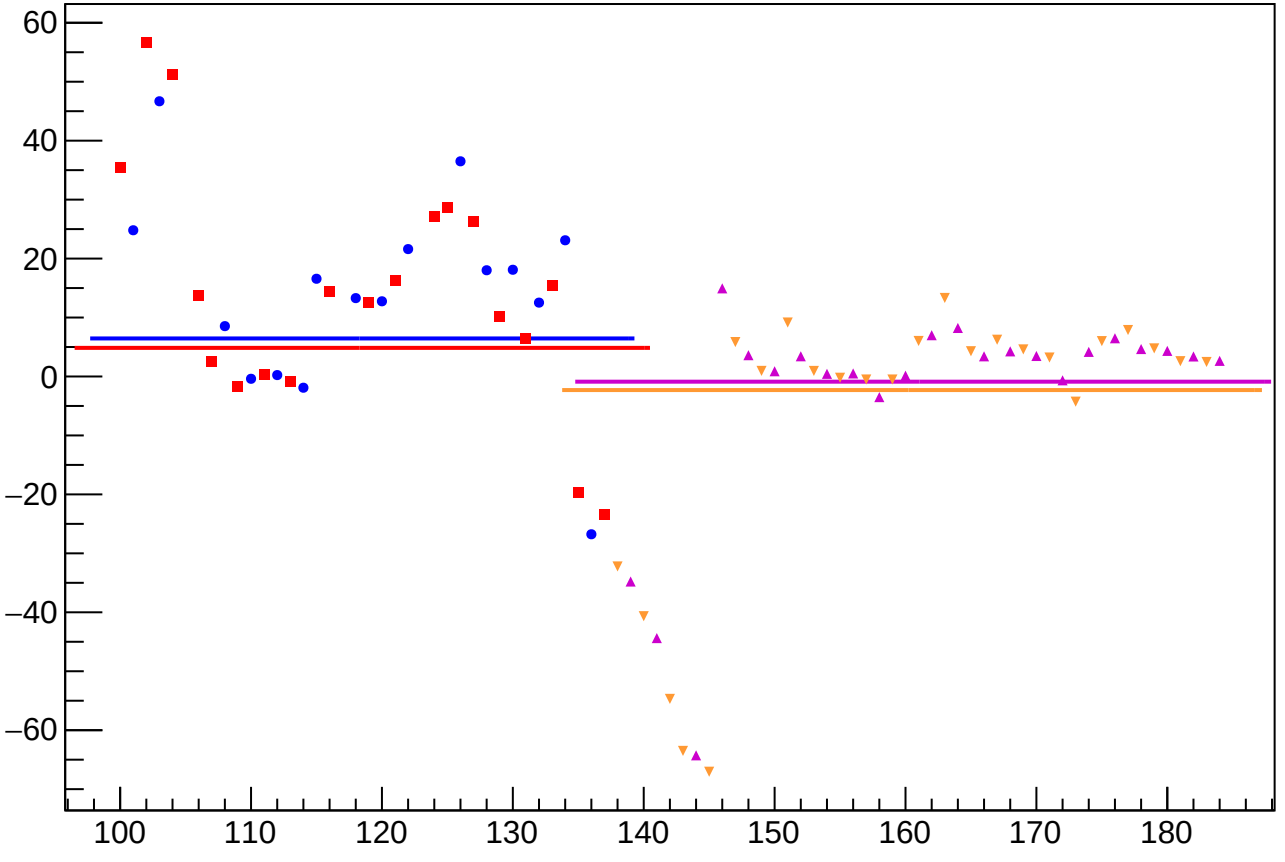
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.596+/-0.029 χ^2/NDF: 9712.5/39

All: 0.590+/-0.020 χ^2/NDF: 18510.1/81

- sign 0.585+/-0.028 χ^2/NDF: 8797.5/41

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

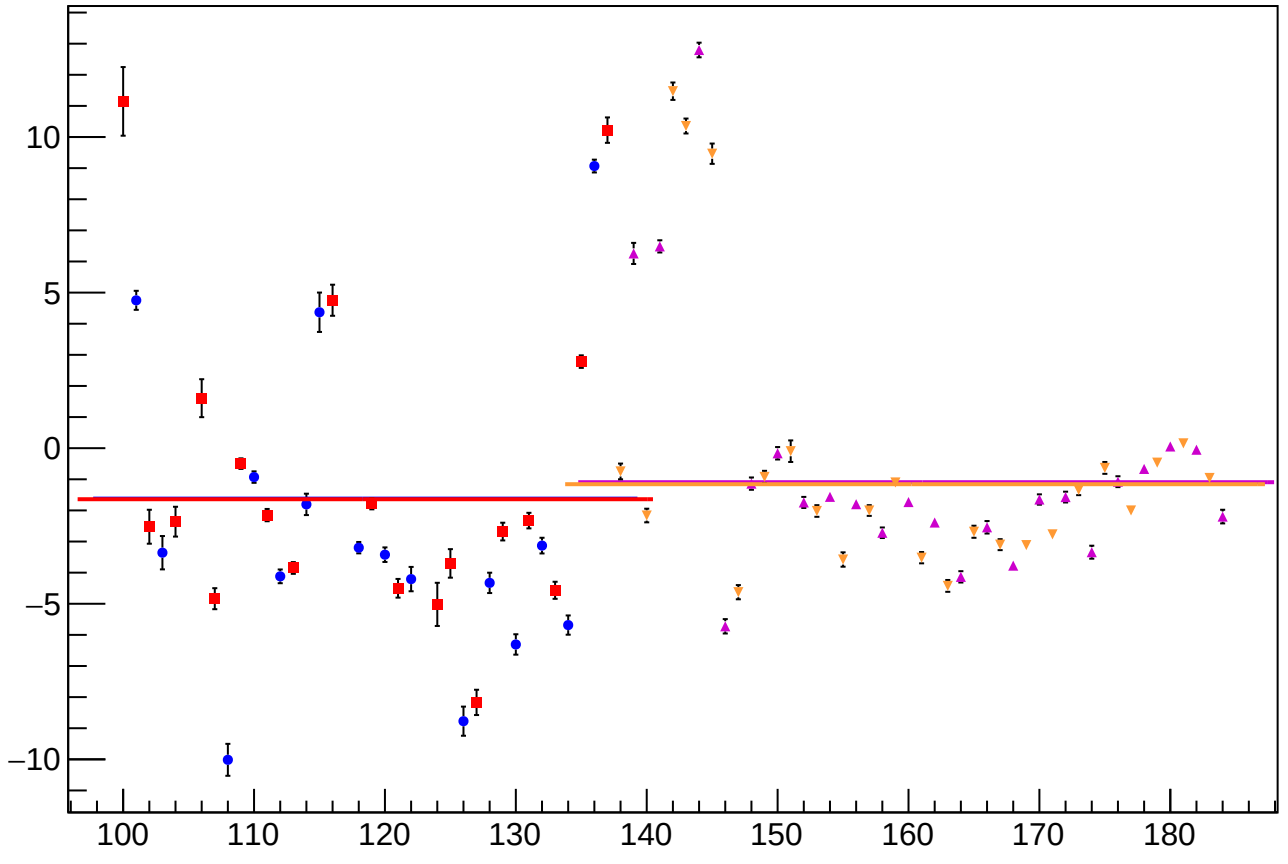
Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign 0.152+/-0.035 χ^2/NDF: 254221.4/39

All: 0.534+/-0.024 χ^2/NDF: 465434.5/81

- sign 0.878+/-0.033 χ^2/NDF: 210980.9/41



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

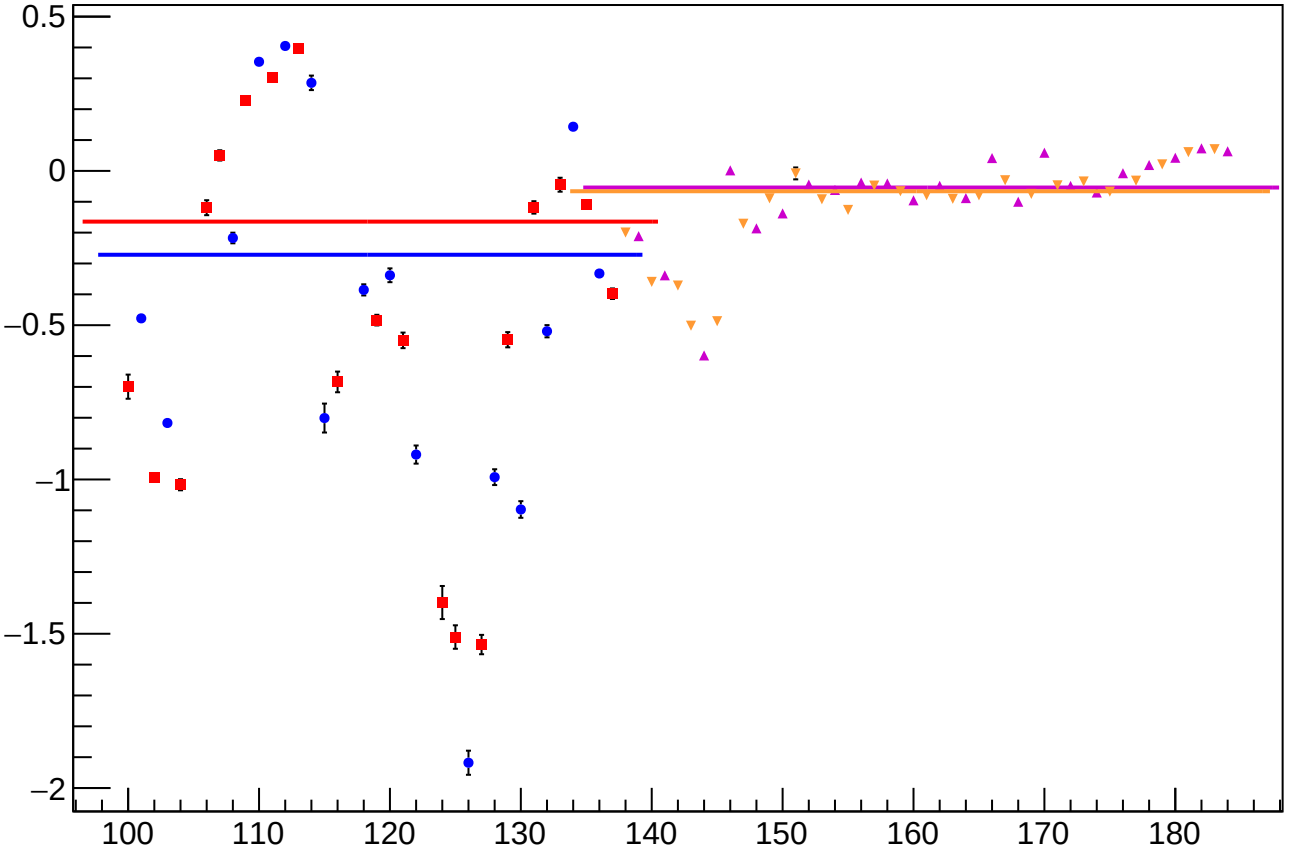
Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.259+/-0.032 χ^2/NDF: 11489.5/39

All: -1.236+/-0.022 χ^2/NDF: 21037.2/81

- sign -1.217+/-0.031 χ^2/NDF: 9546.8/41

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

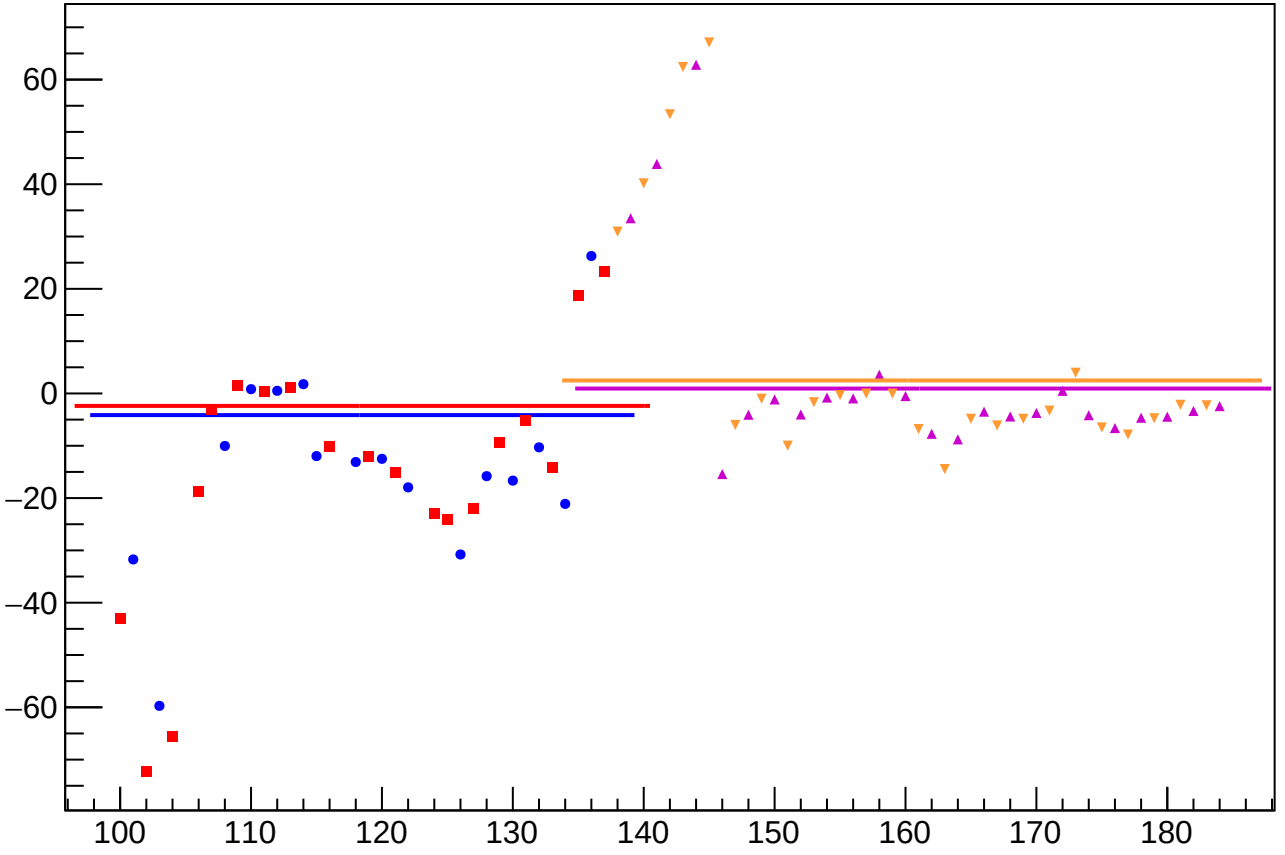
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.093+/-0.002 χ^2/NDF: 19661.2/39

All: -0.080+/-0.001 χ^2/NDF: 41059.2/81

- sign -0.069+/-0.001 χ^2/NDF: 21259.3/41

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

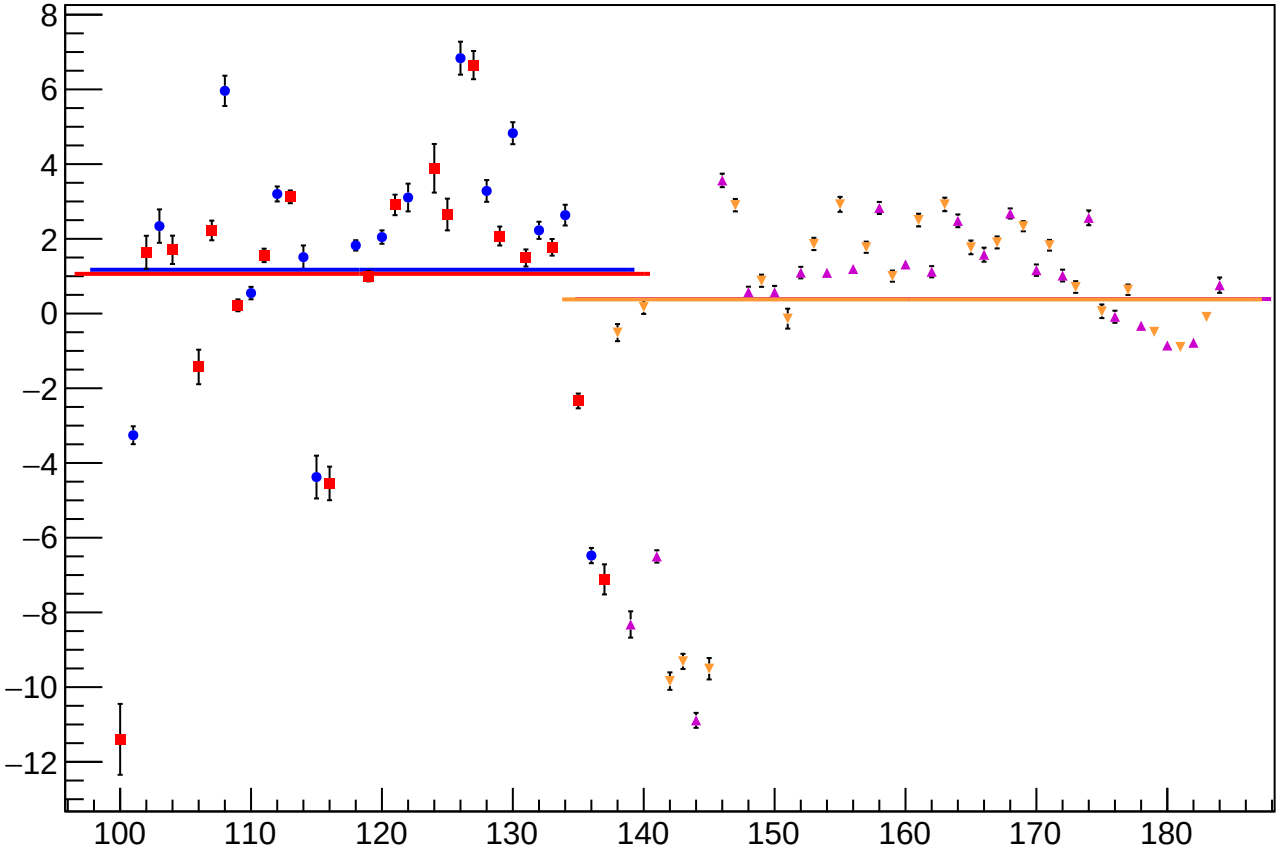
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.110+/-0.033 χ^2/NDF: 260820.0/39

All: -0.214+/-0.022 χ^2/NDF: 477058.6/81

- sign -0.490+/-0.030 χ^2/NDF: 216055.0/41

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

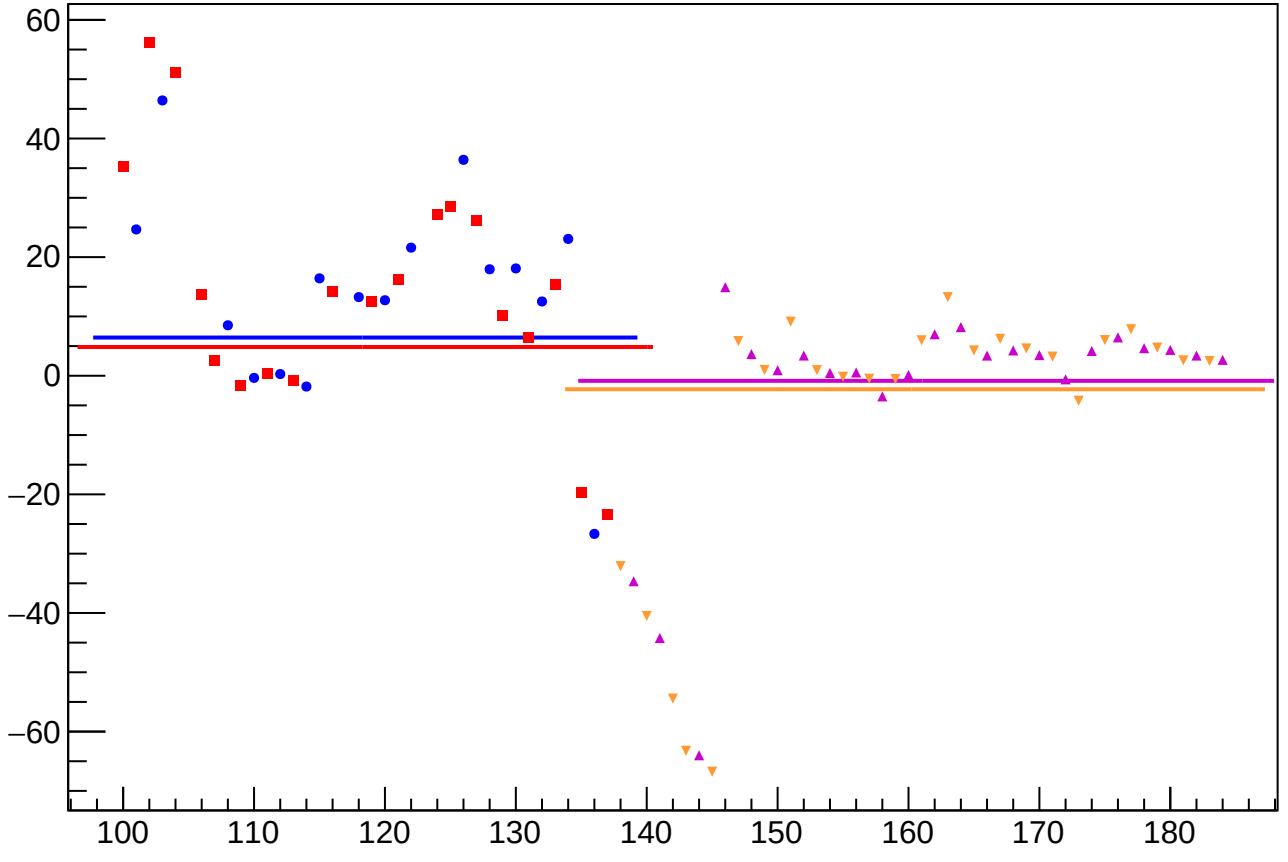
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.563+/-0.029 χ^2/NDF: 9714.6/39

All: 0.554+/-0.020 χ^2/NDF: 18533.0/81

- sign 0.546+/-0.027 χ^2/NDF: 8818.2/41

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

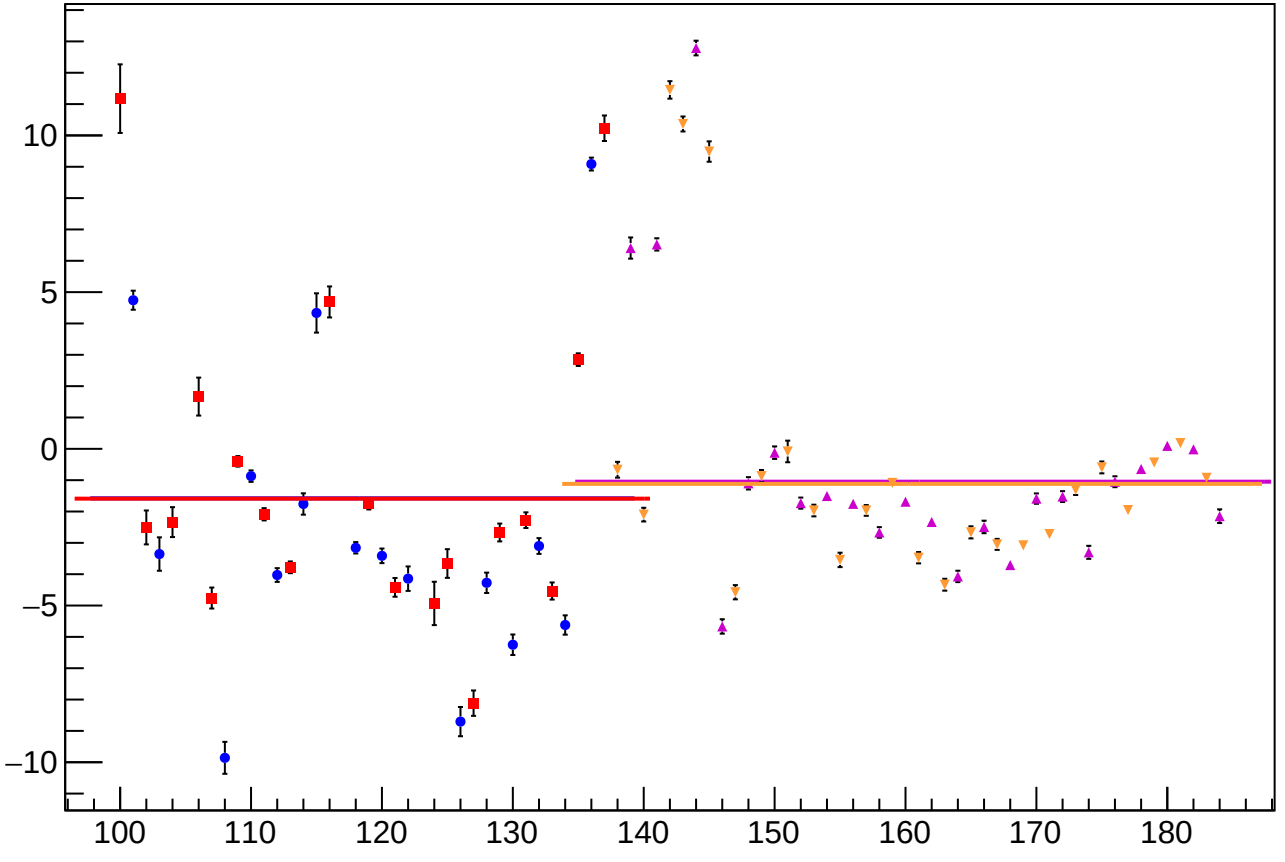
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

\+ sign 0.174+/-0.034 χ^2/NDF: 253970.5/39

All: 0.556+/-0.024 χ^2/NDF: 464963.0/81

\- sign 0.899+/-0.033 χ^2/NDF: 210759.0/41

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

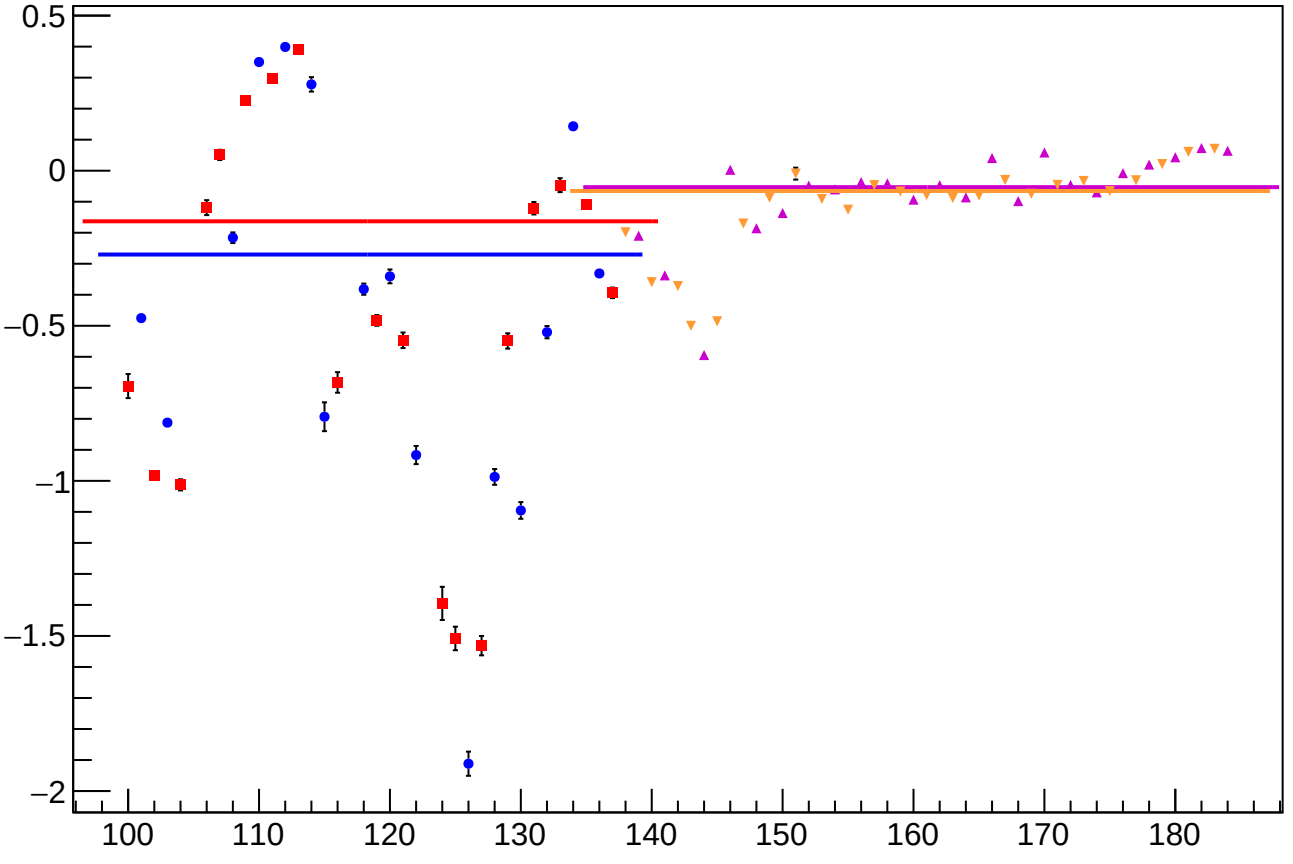
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.219+/-0.032 χ^2/NDF: 11484.3/39

All: -1.194+/-0.022 χ^2/NDF: 21053.3/81

- sign -1.171+/-0.031 χ^2/NDF: 9567.8/41

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

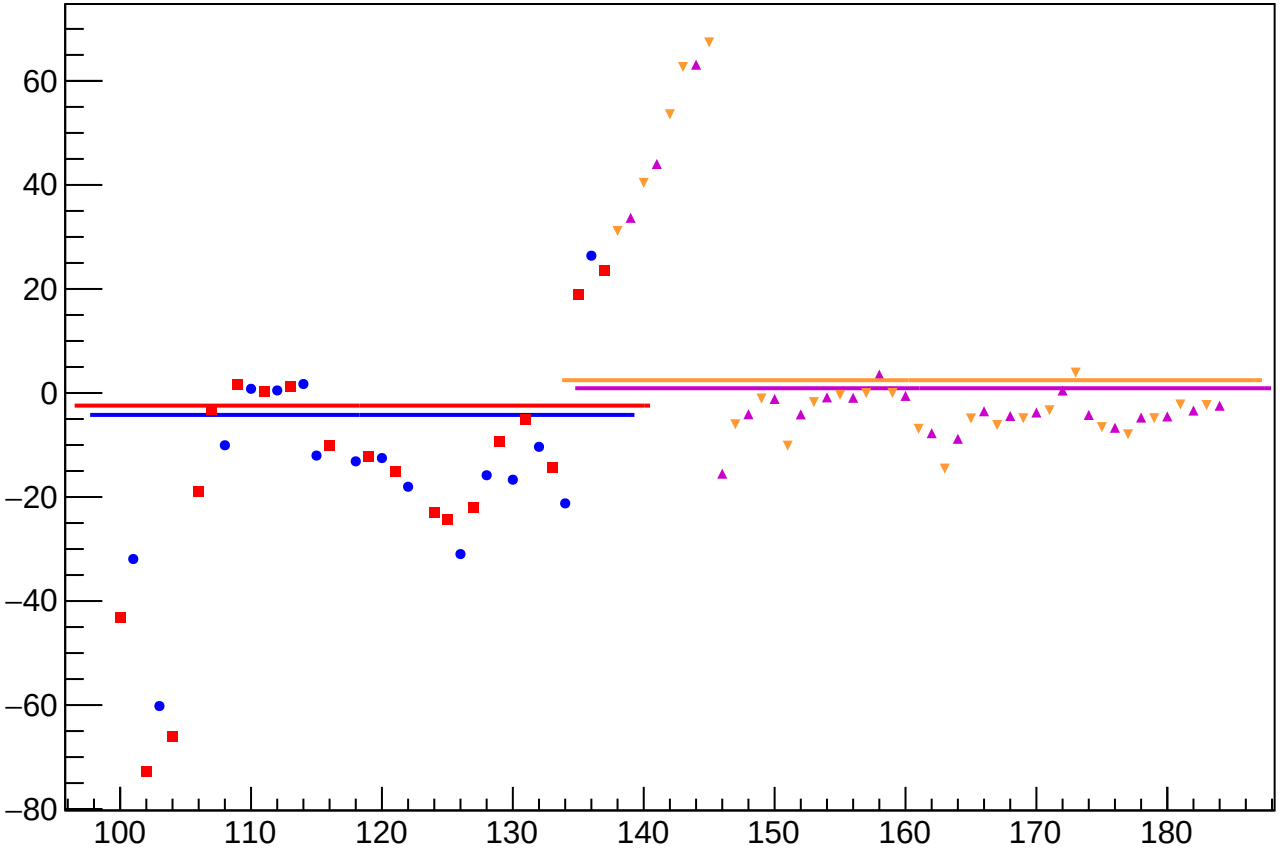
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.092+/-0.001 χ^2/NDF: 19665.8/39

All: -0.079+/-0.001 χ^2/NDF: 41059.3/81

- sign -0.068+/-0.001 χ^2/NDF: 21250.5/41

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

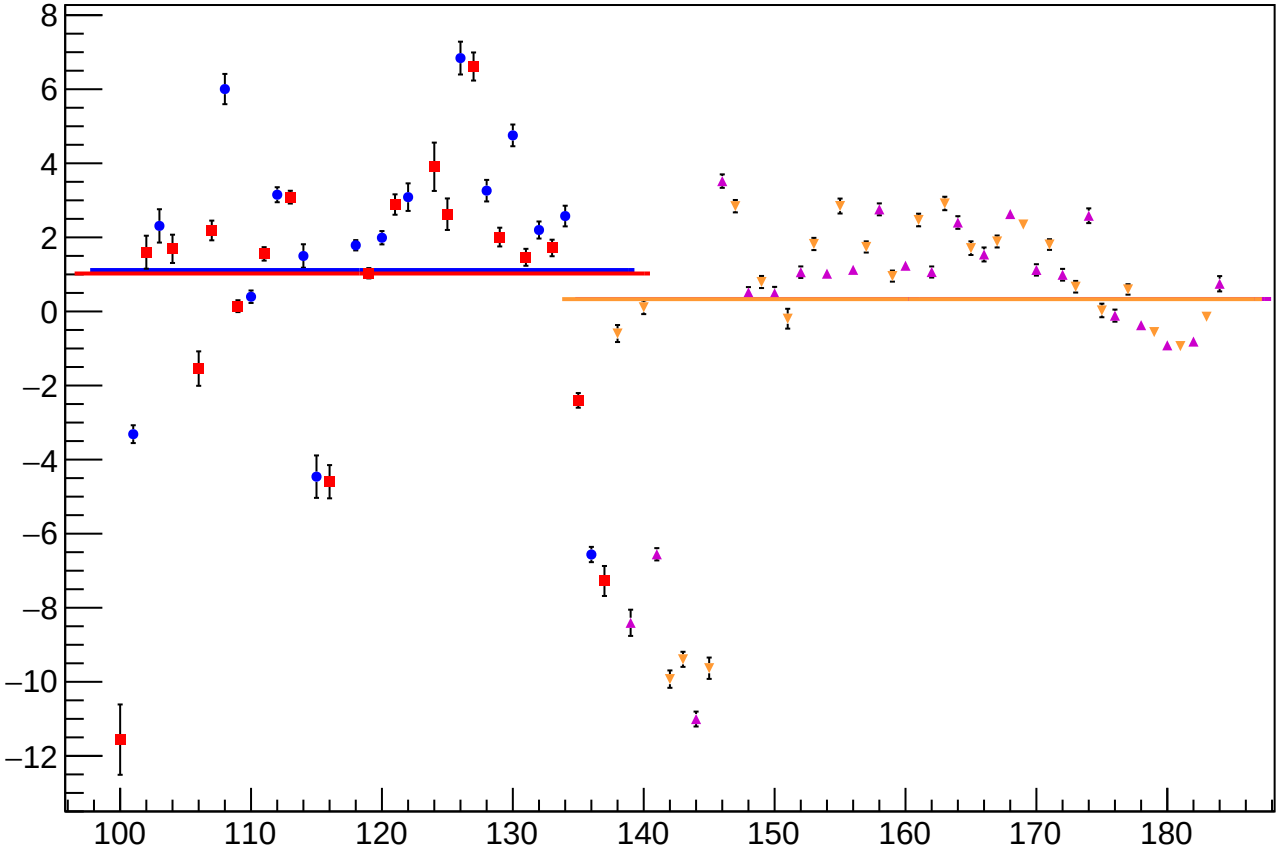
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.076+/-0.033 χ^2/NDF: 261287.6/39

All: -0.244+/-0.022 χ^2/NDF: 477754.2/81

- sign -0.518+/-0.030 χ^2/NDF: 216288.8/41

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

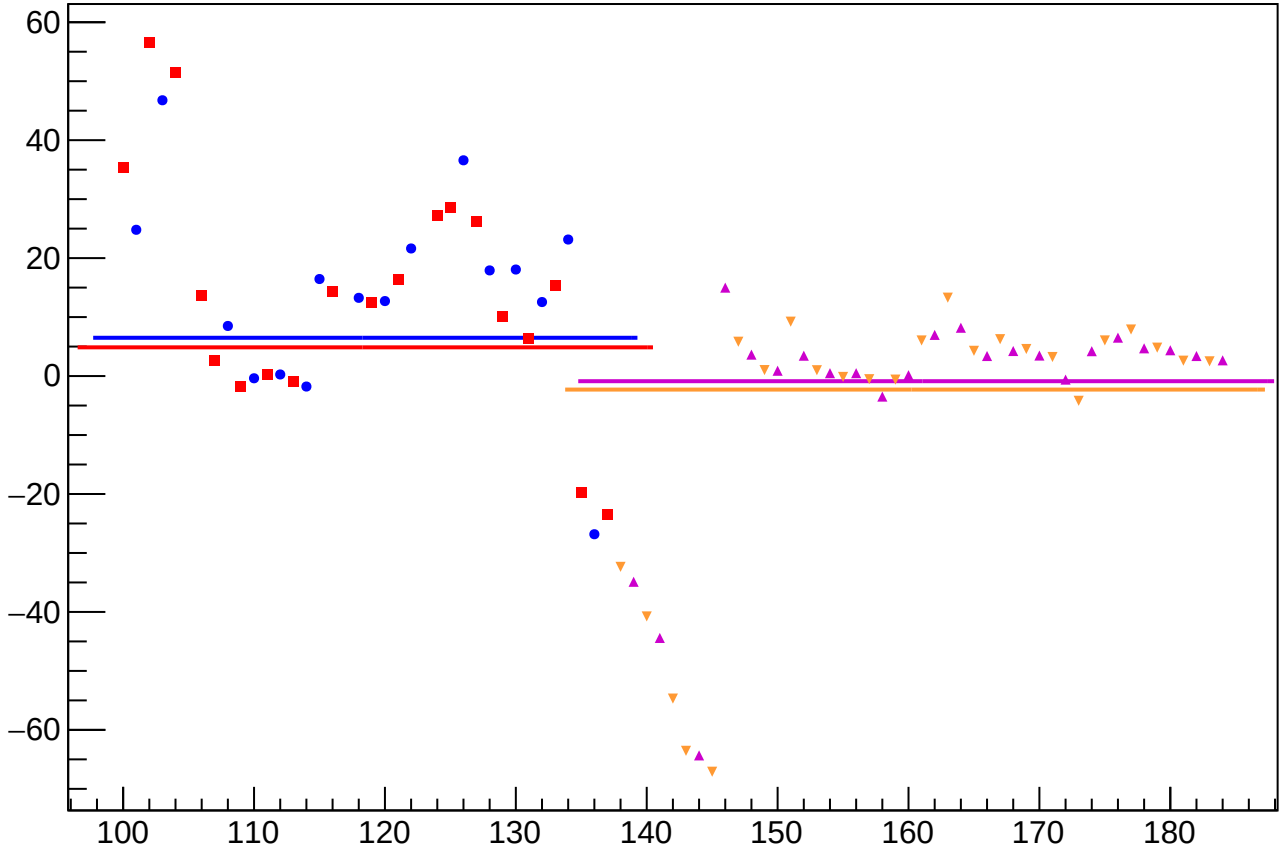
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.515+/-0.029 χ^2/NDF: 9739.3/39

All: 0.505+/-0.020 χ^2/NDF: 18556.7/81

- sign 0.496+/-0.028 χ^2/NDF: 8817.2/41

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

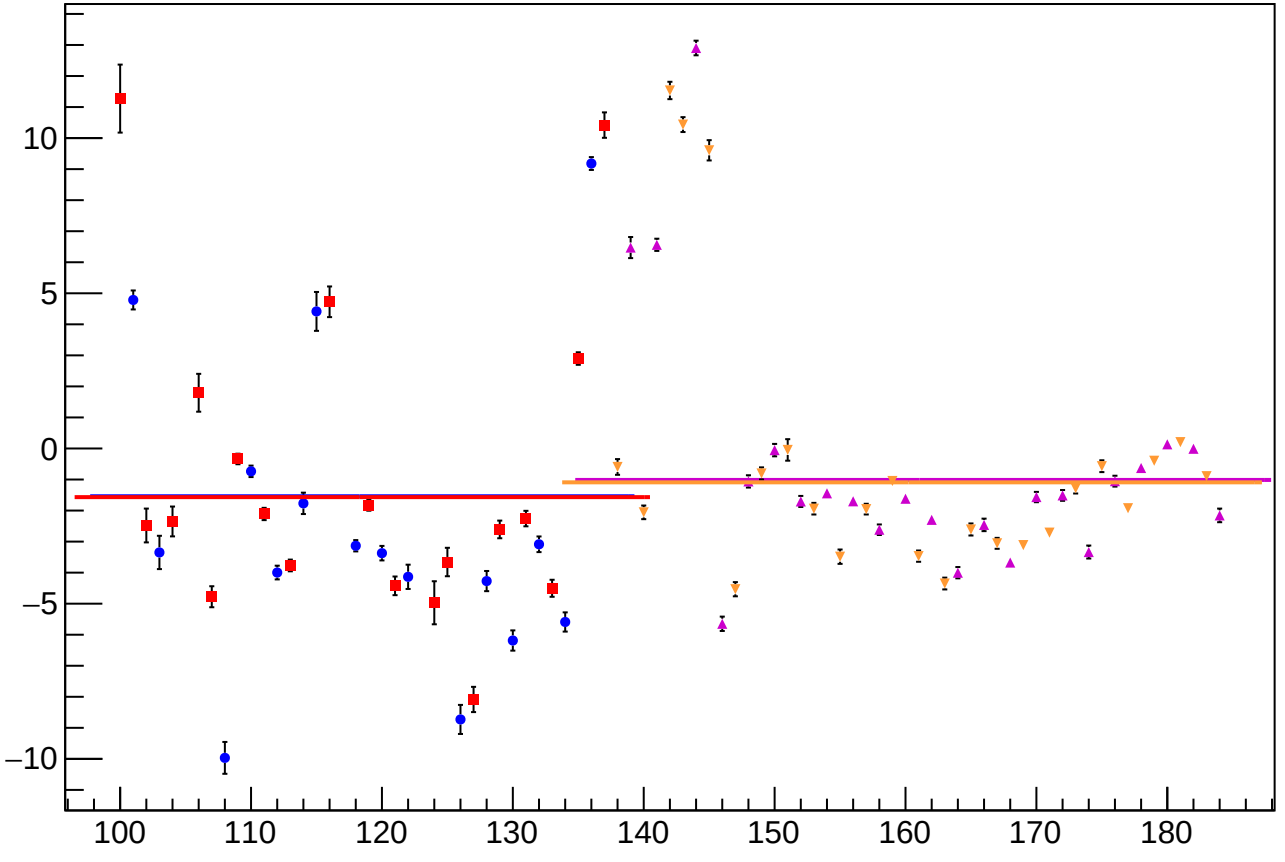
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign 0.173+/-0.035 χ^2/NDF: 254454.2/39

All: 0.550+/-0.024 χ^2/NDF: 465727.6/81

- sign 0.890+/-0.033 χ^2/NDF: 211047.3/41

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

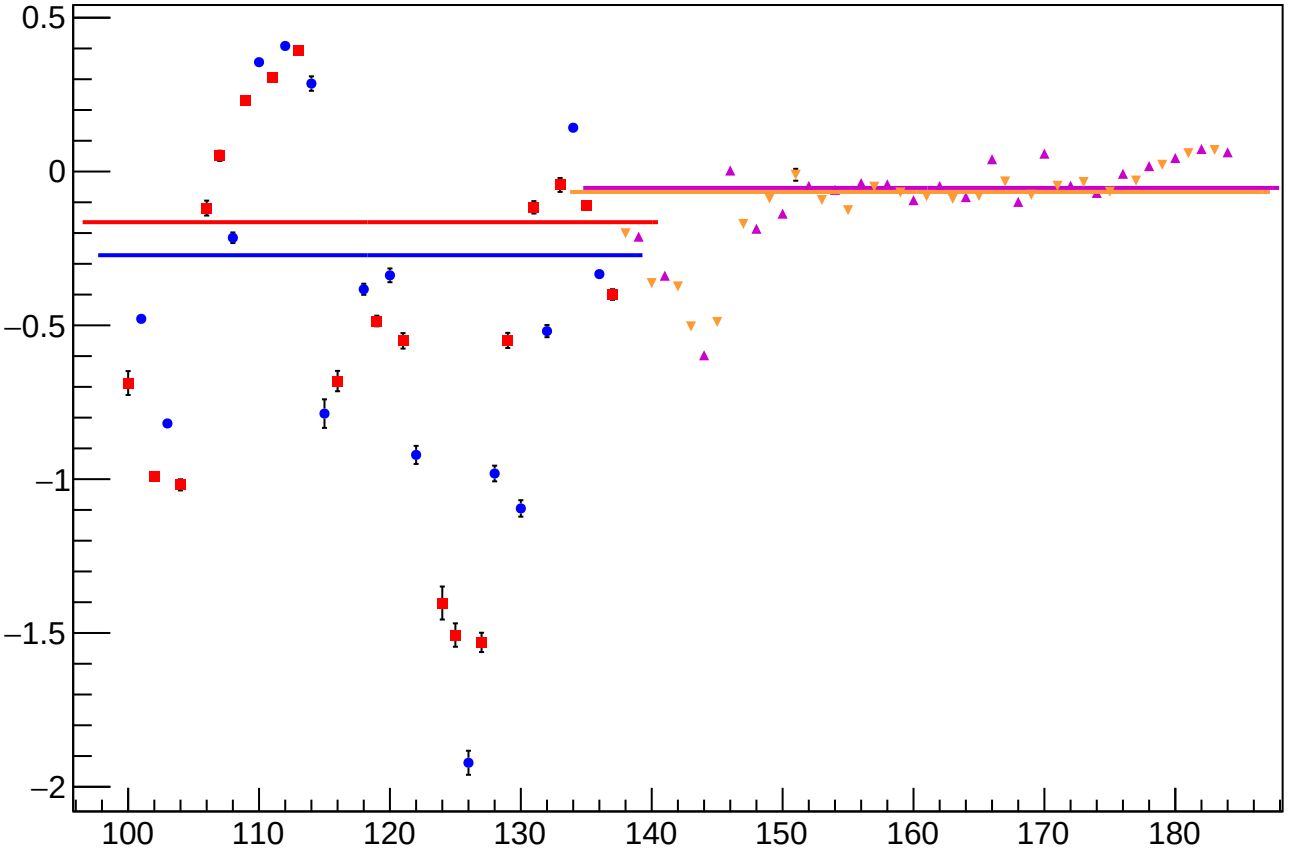
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.189+/-0.033 χ^2/NDF: 11516.6/39

All: -1.162+/-0.022 χ^2/NDF: 21099.0/81

- sign -1.138+/-0.031 χ^2/NDF: 9581.1/41

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

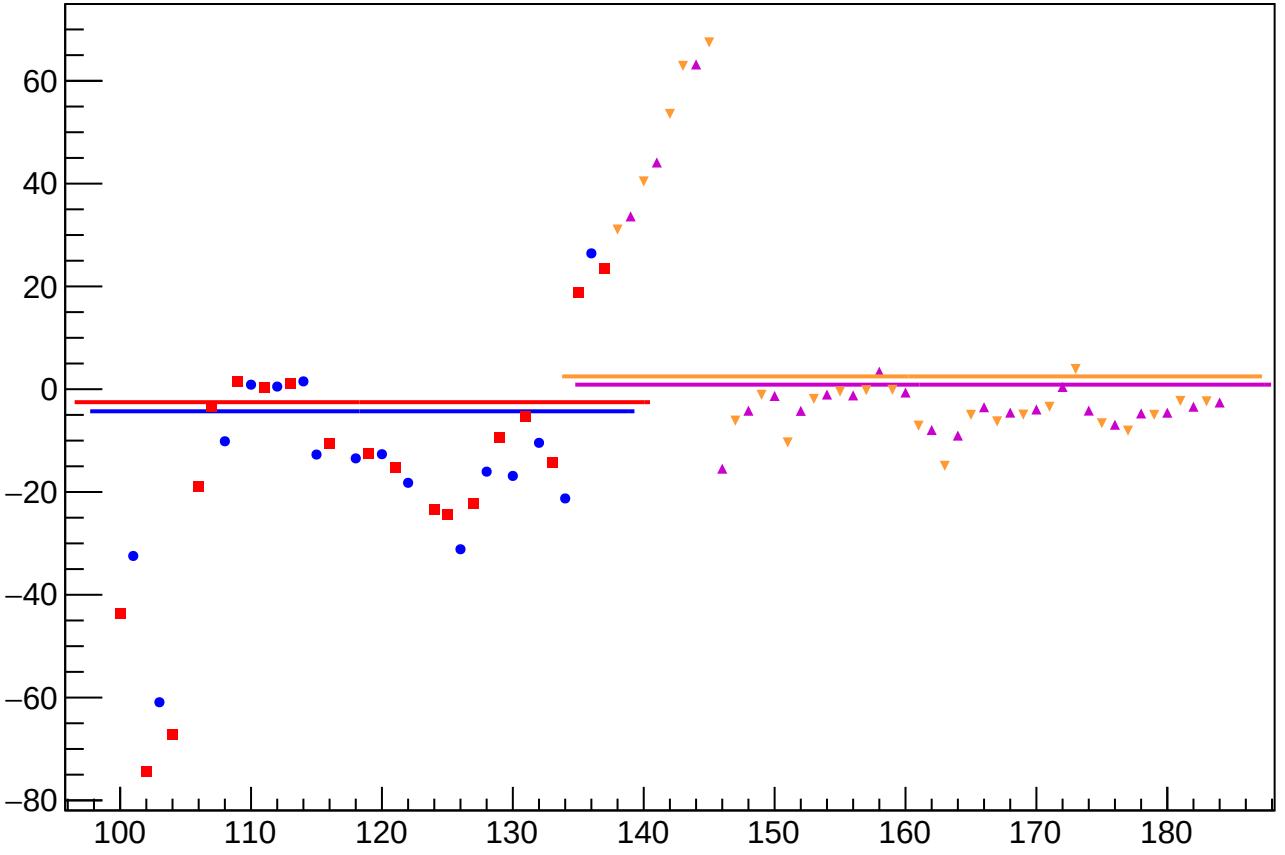
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.093+/-0.002 χ^2/NDF: 19696.9/39

All: -0.080+/-0.001 χ^2/NDF: 41073.3/81

- sign -0.068+/-0.001 χ^2/NDF: 21227.6/41

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

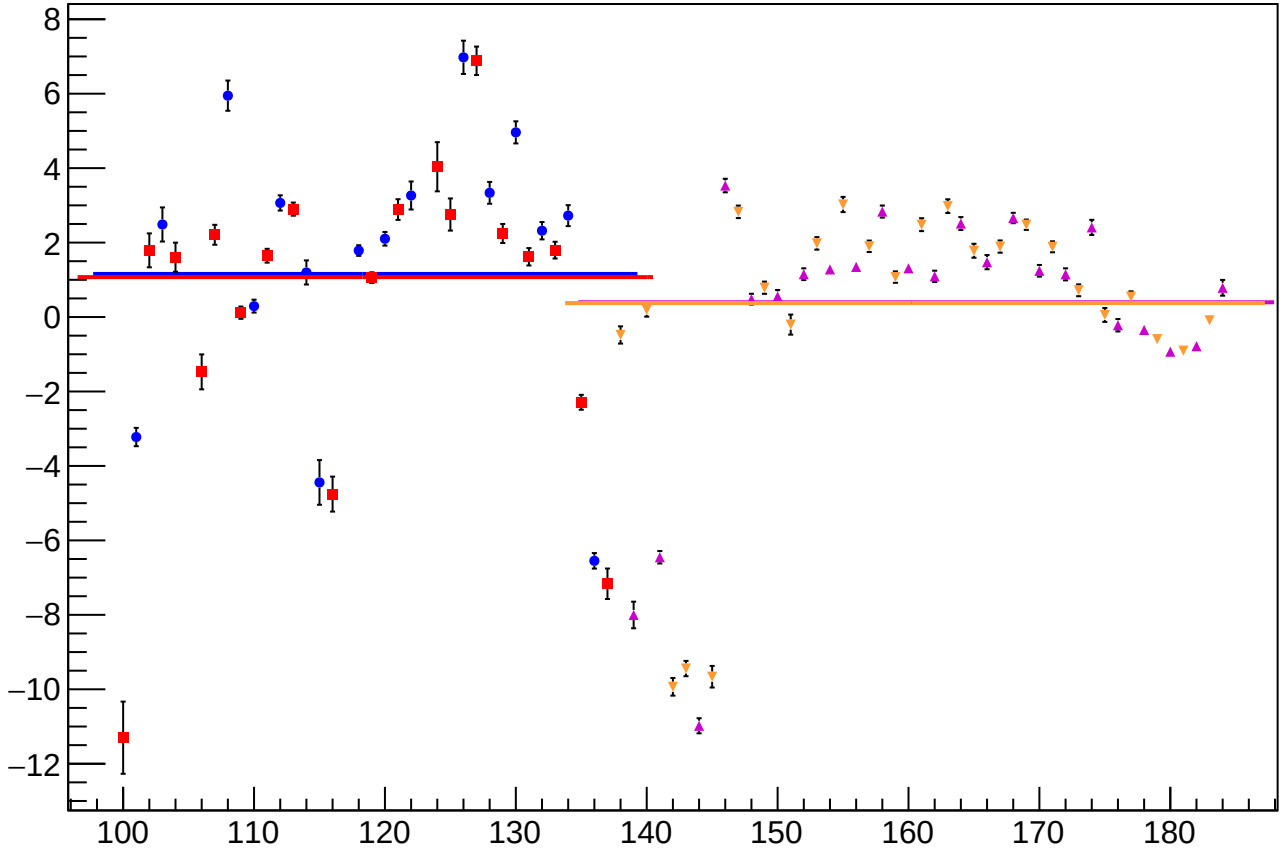
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.065+/-0.033 χ^2/NDF: 257747.3/39

All: -0.276+/-0.023 χ^2/NDF: 471233.7/81

- sign -0.569+/-0.031 χ^2/NDF: 213291.1/41

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

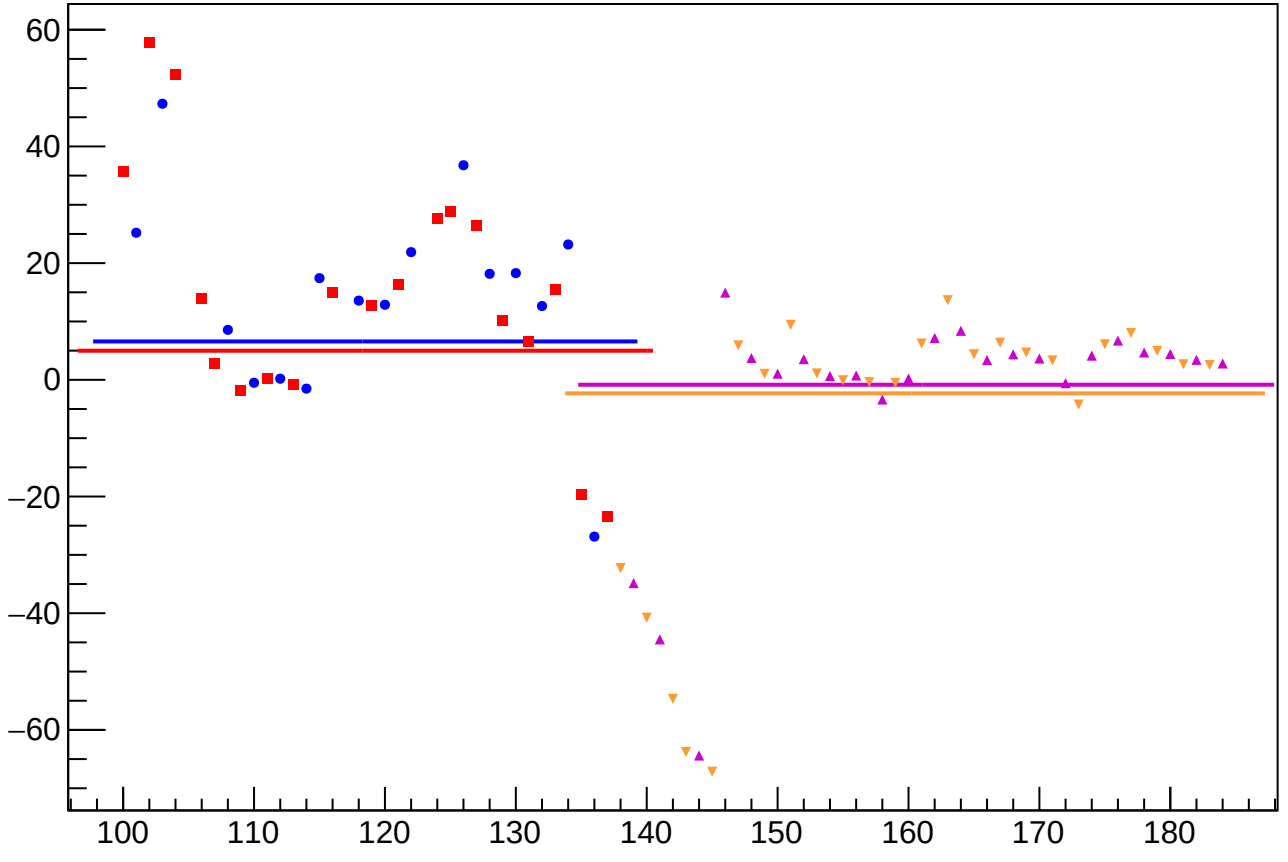
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.557+/-0.030 χ^2/NDF: 9674.4/39

All: 0.555+/-0.020 χ^2/NDF: 18260.8/81

- sign 0.553+/-0.028 χ^2/NDF: 8586.4/41

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

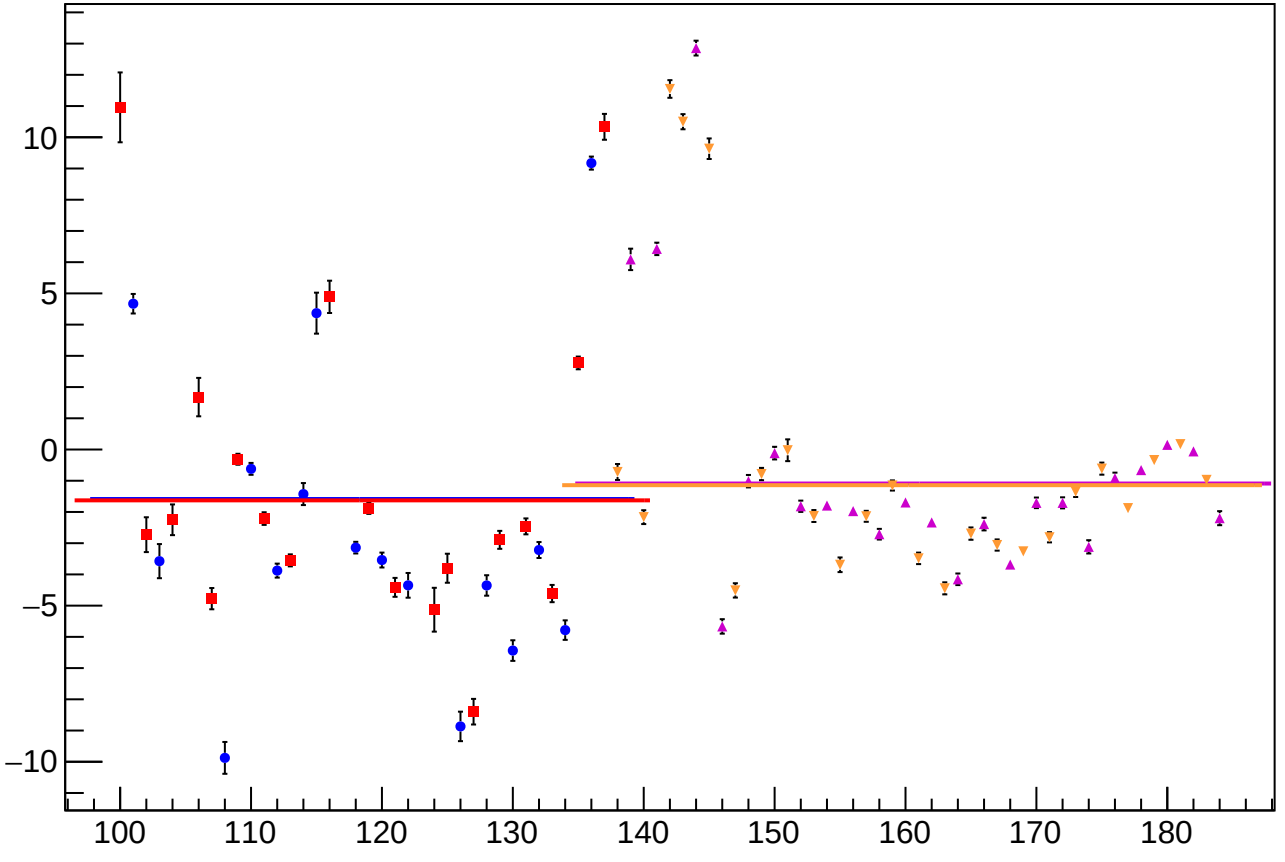
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

\+ sign 0.181+/-0.035 χ^2/NDF: 250983.8/39

All: 0.583+/-0.024 χ^2/NDF: 459294.5/81

\- sign 0.946+/-0.033 χ^2/NDF: 208062.1/41

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

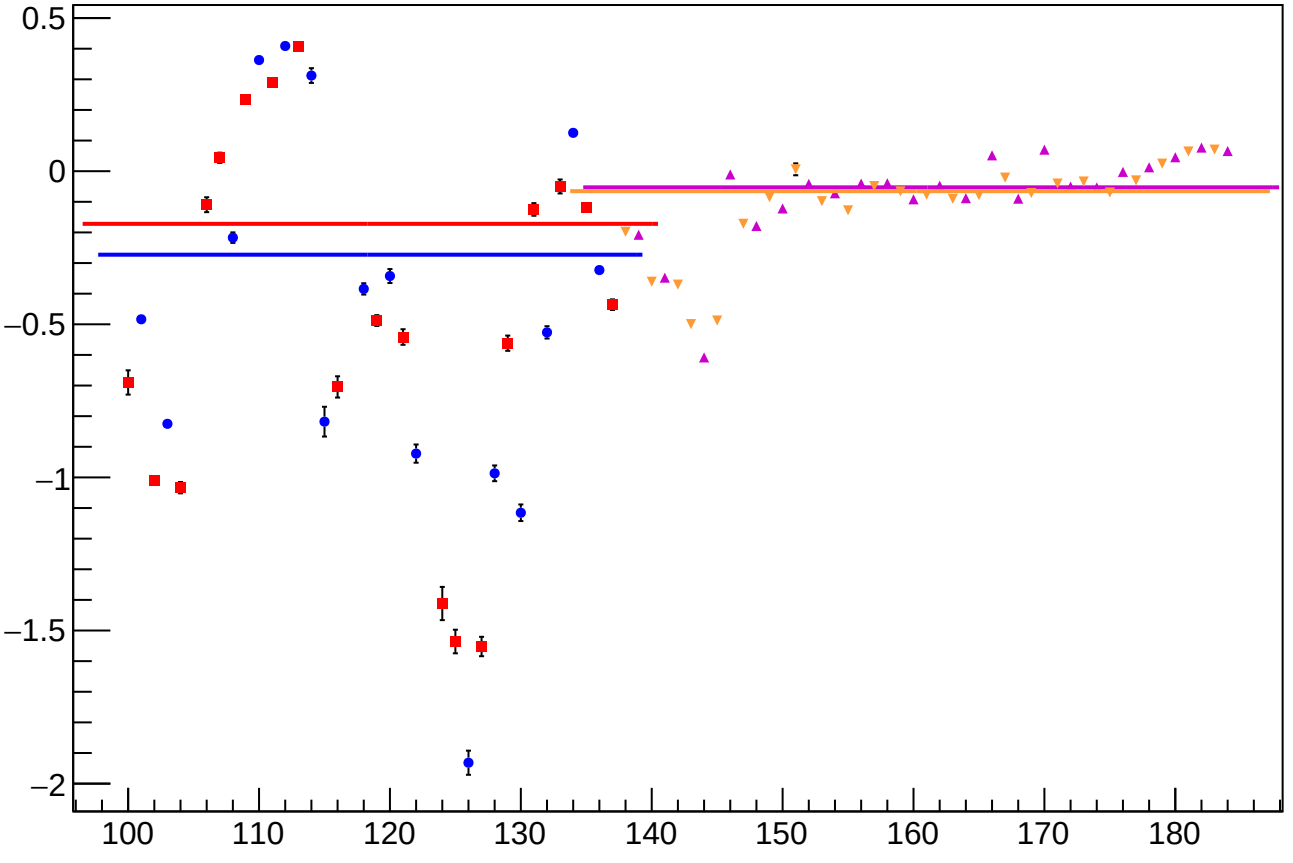
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.239+/-0.033 χ^2/NDF: 11427.9/39

All: -1.224+/-0.023 χ^2/NDF: 20743.1/81

- sign -1.211+/-0.031 χ^2/NDF: 9314.9/41

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



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

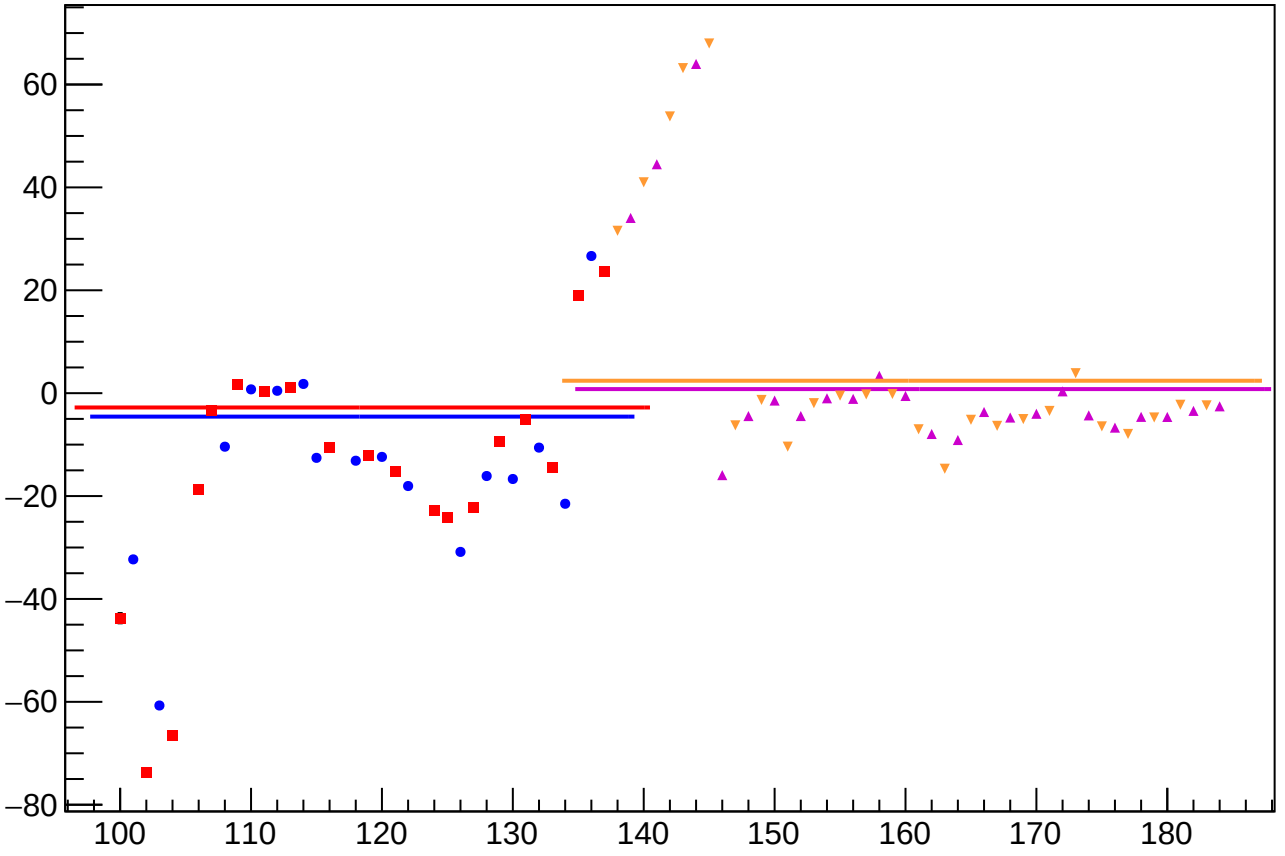
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.092+/-0.002 χ^2/NDF: 19346.4/39

All: -0.080+/-0.001 χ^2/NDF: 40654.8/81

- sign -0.069+/-0.001 χ^2/NDF: 21180.3/41

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

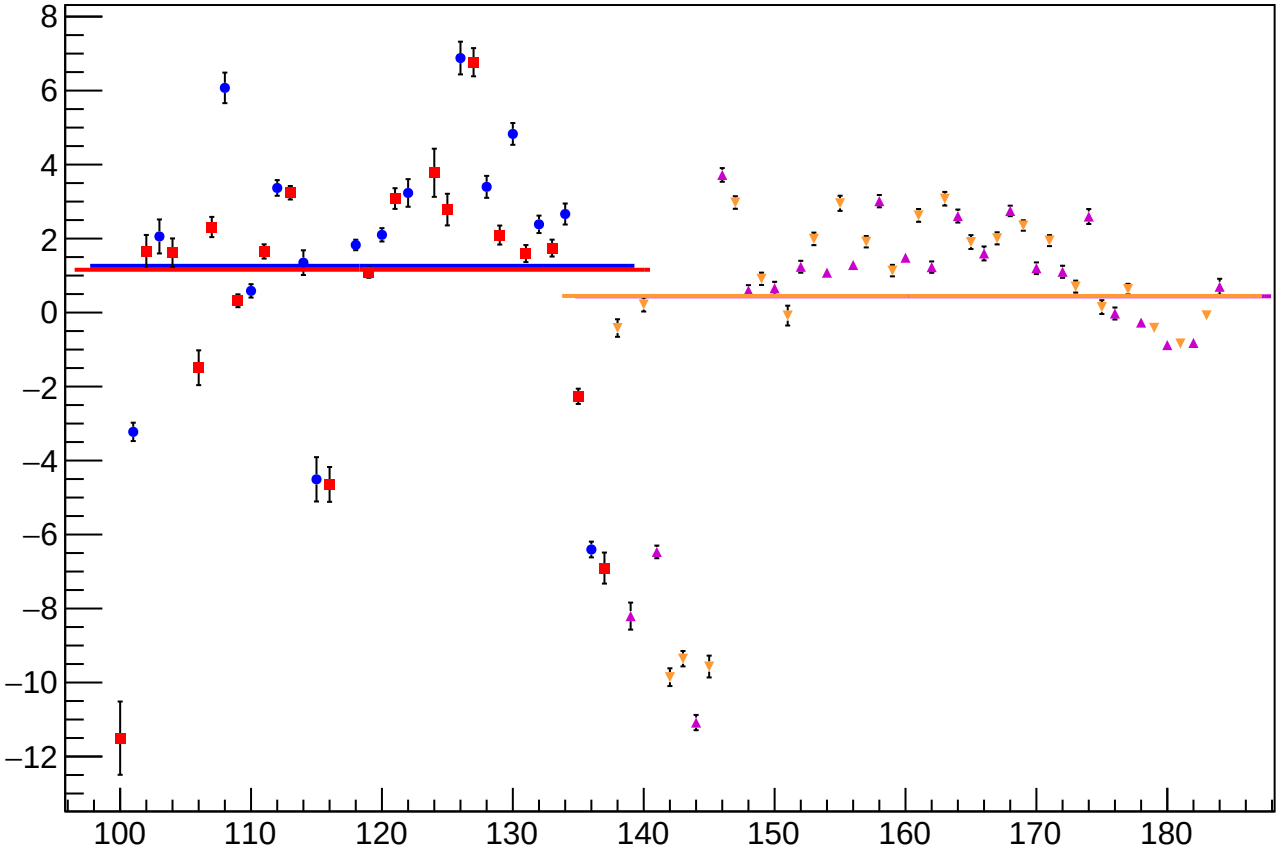
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign -0.047+/-0.034 χ^2/NDF: 253409.8/39

All: -0.399+/-0.023 χ^2/NDF: 463501.2/81

- sign -0.702+/-0.031 χ^2/NDF: 209889.3/41

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

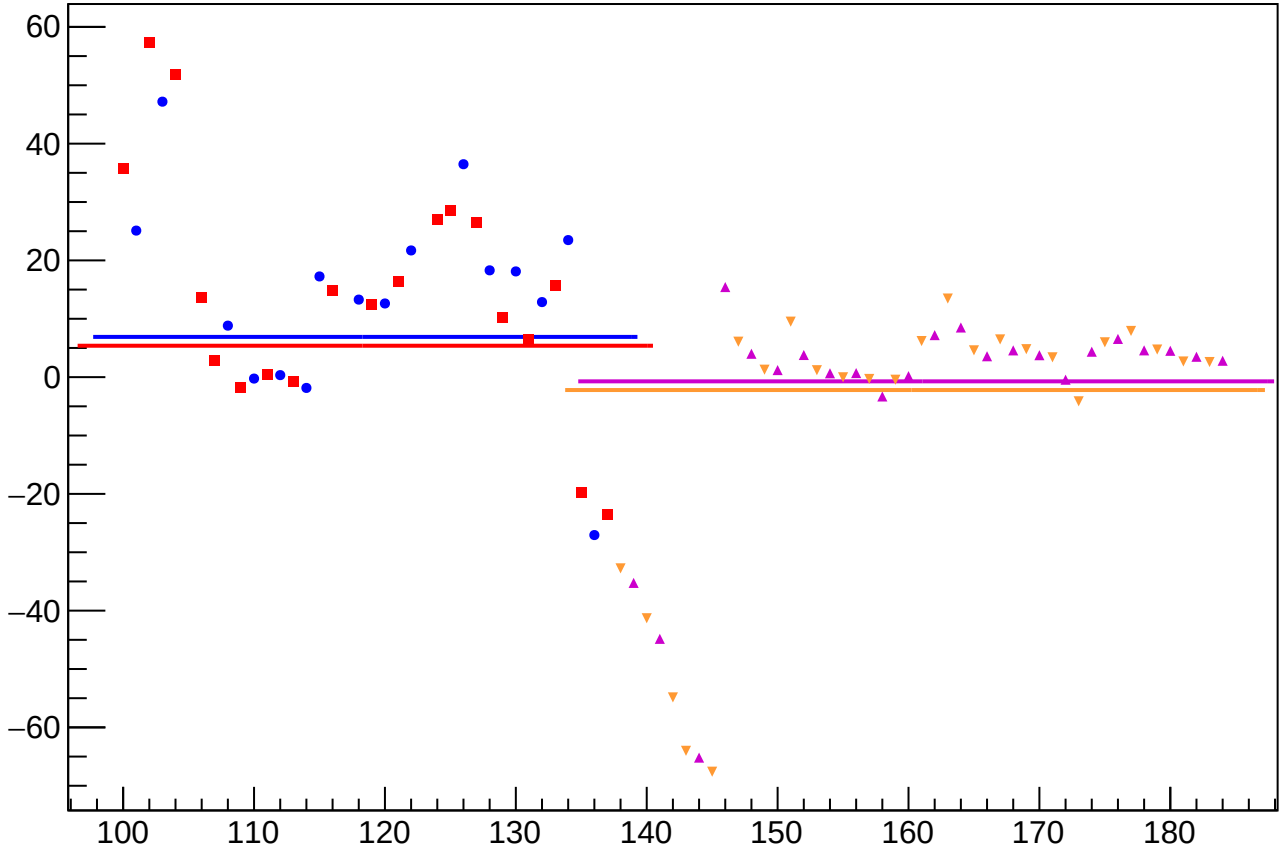
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.638+/-0.030 χ^2/NDF: 9349.0/39

All: 0.621+/-0.021 χ^2/NDF: 17847.2/81

- sign 0.606+/-0.028 χ^2/NDF: 8497.5/41

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

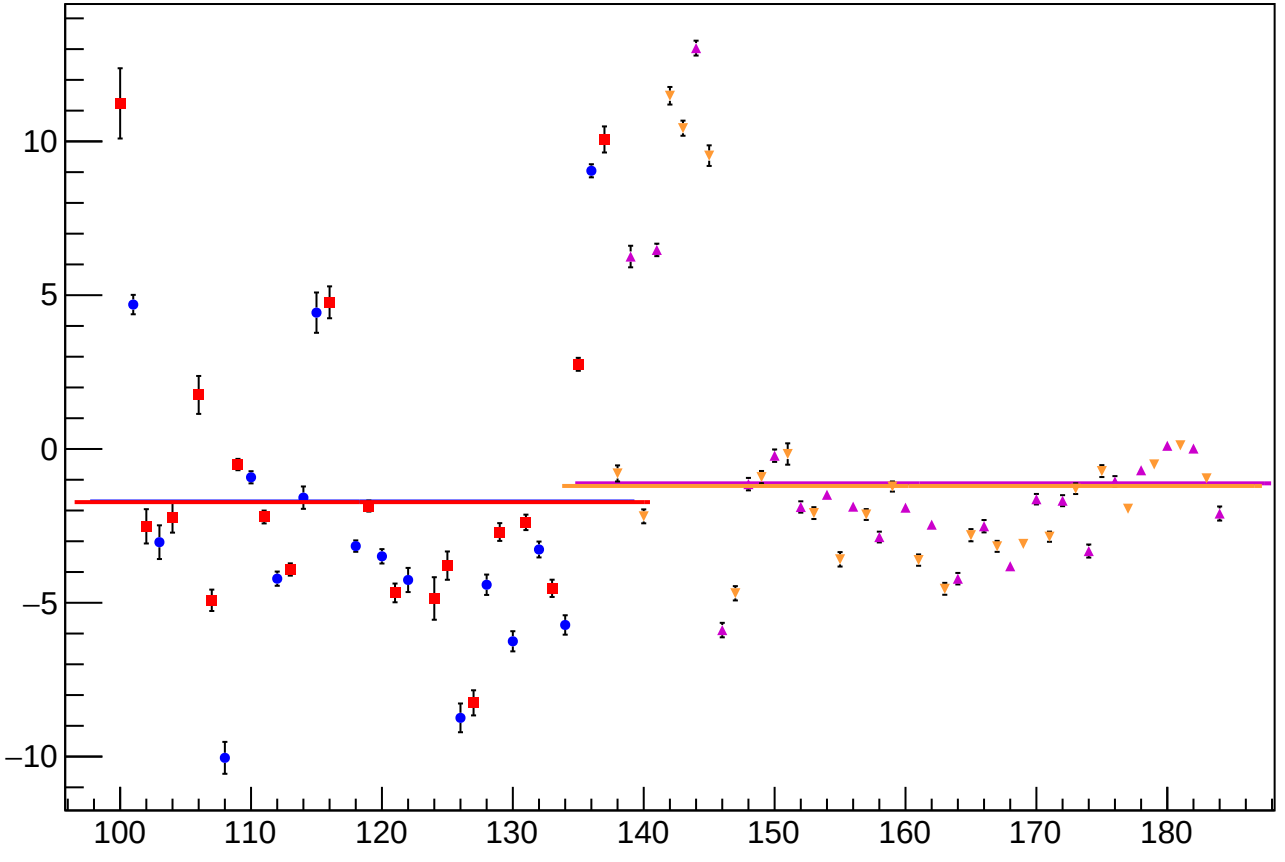
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign 0.333+/-0.036 χ^2/NDF: 246571.5/39

All: 0.747+/-0.025 χ^2/NDF: 451419.2/81

- sign 1.123+/-0.034 χ^2/NDF: 204589.5/41

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

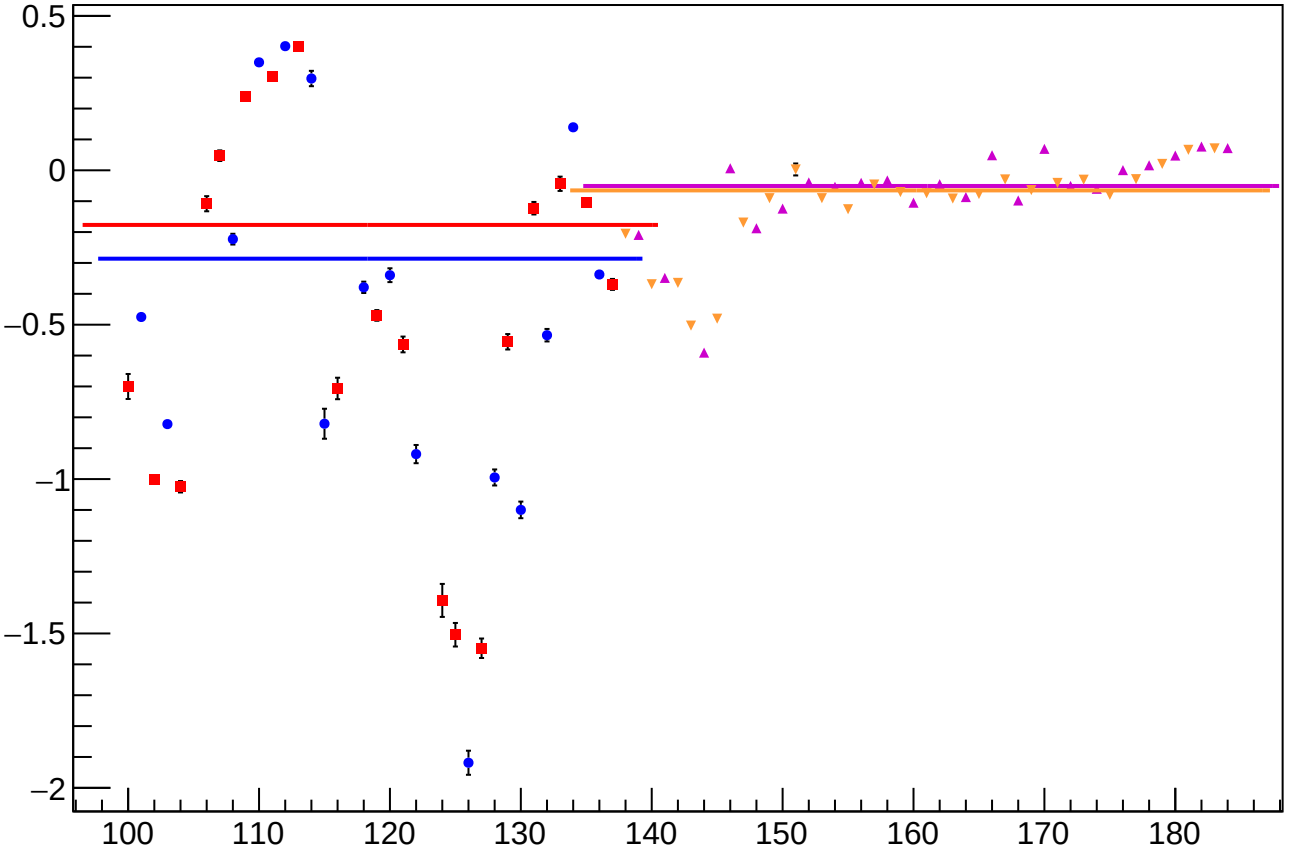
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.312+/-0.033 χ^2/NDF: 11042.1/39

All: -1.281+/-0.023 χ^2/NDF: 20258.2/81

- sign -1.254+/-0.032 χ^2/NDF: 9214.5/41

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

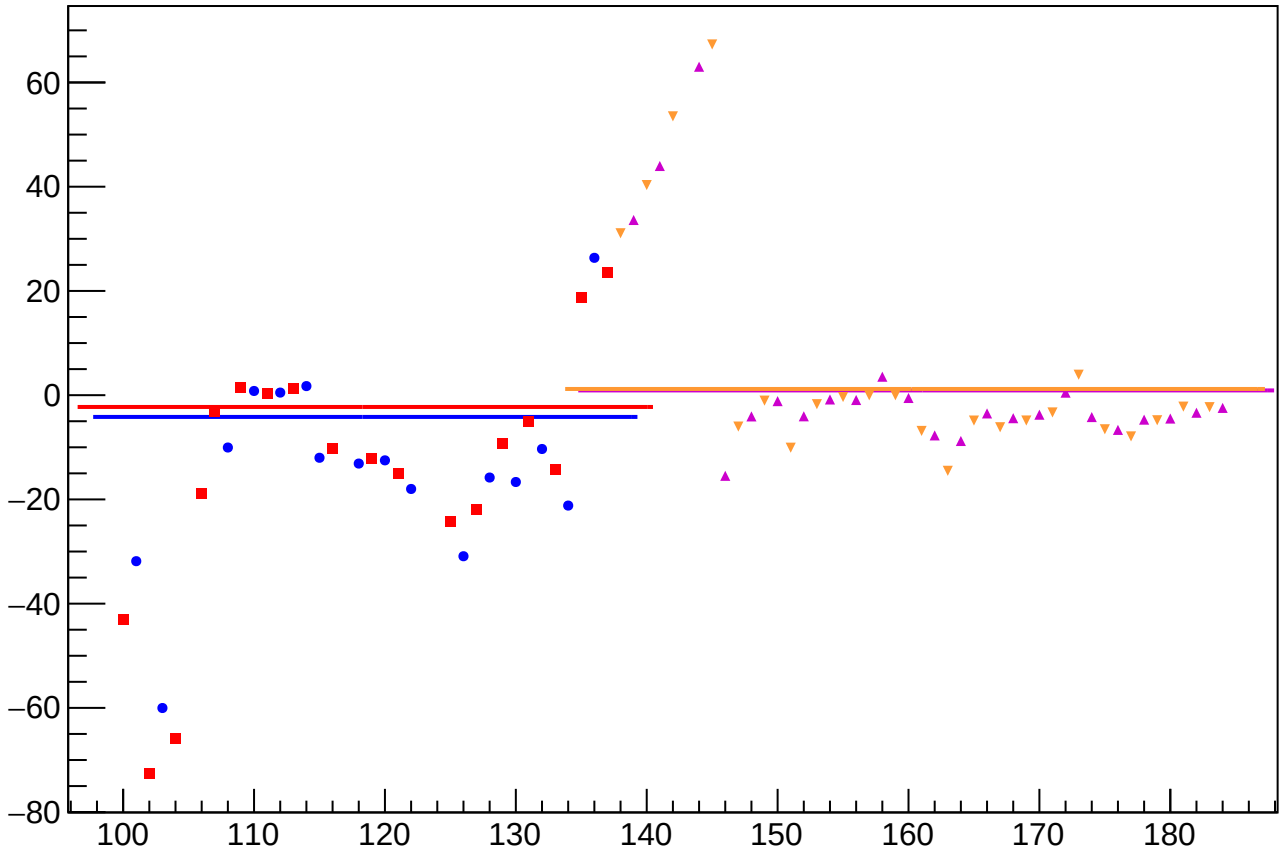
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.094+/-0.002 χ^2/NDF: 18944.0/39

All: -0.080+/-0.001 χ^2/NDF: 39631.3/81

- sign -0.067+/-0.001 χ^2/NDF: 20530.8/41



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 1.191+/-0.041 χ^2/NDF:130574.0/22

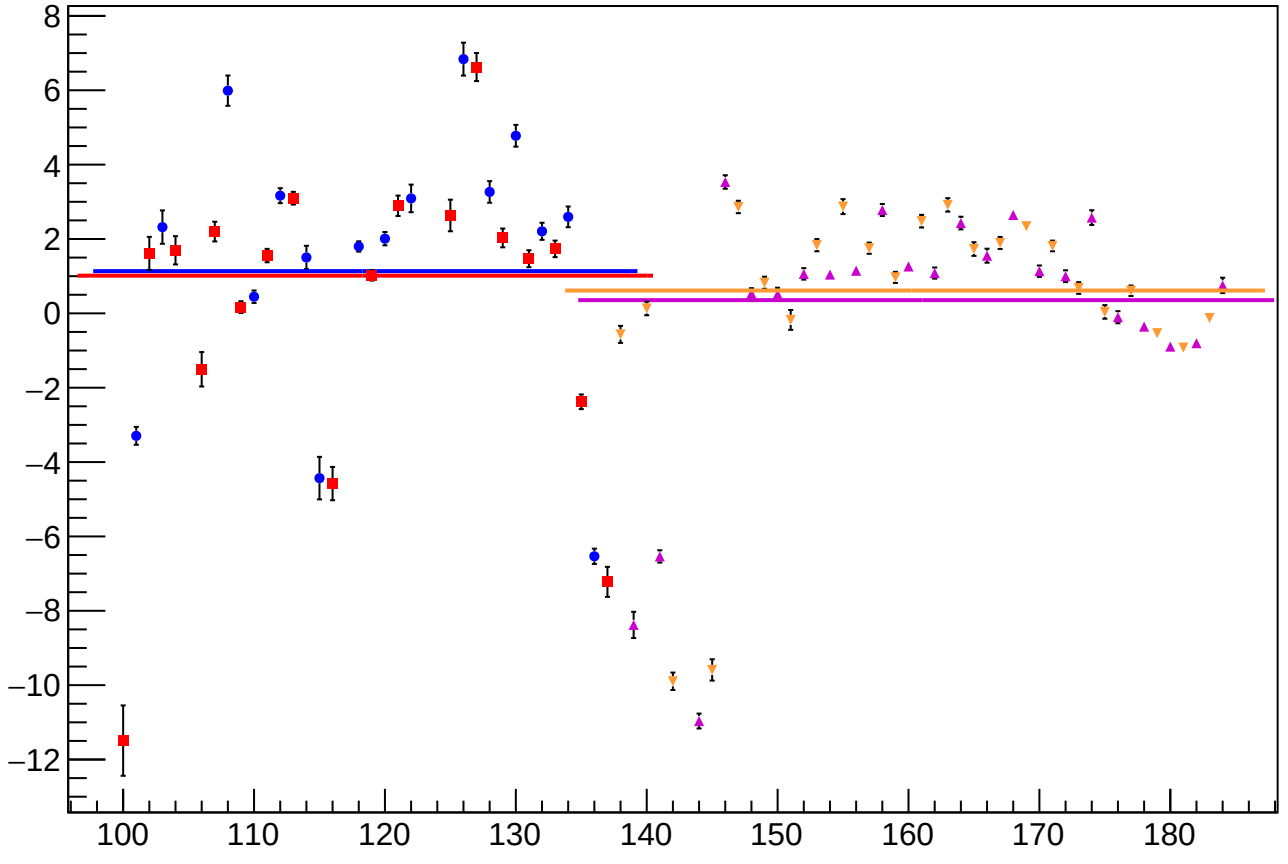
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.755+/-0.033 χ^2/NDF: 212153.7/38

All: -0.587+/-0.022 χ^2/NDF: 427352.7/79

- sign -0.445+/-0.030 χ^2/NDF: 215150.8/40



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.614+/-0.034 χ^2/NDF:4676.0/22

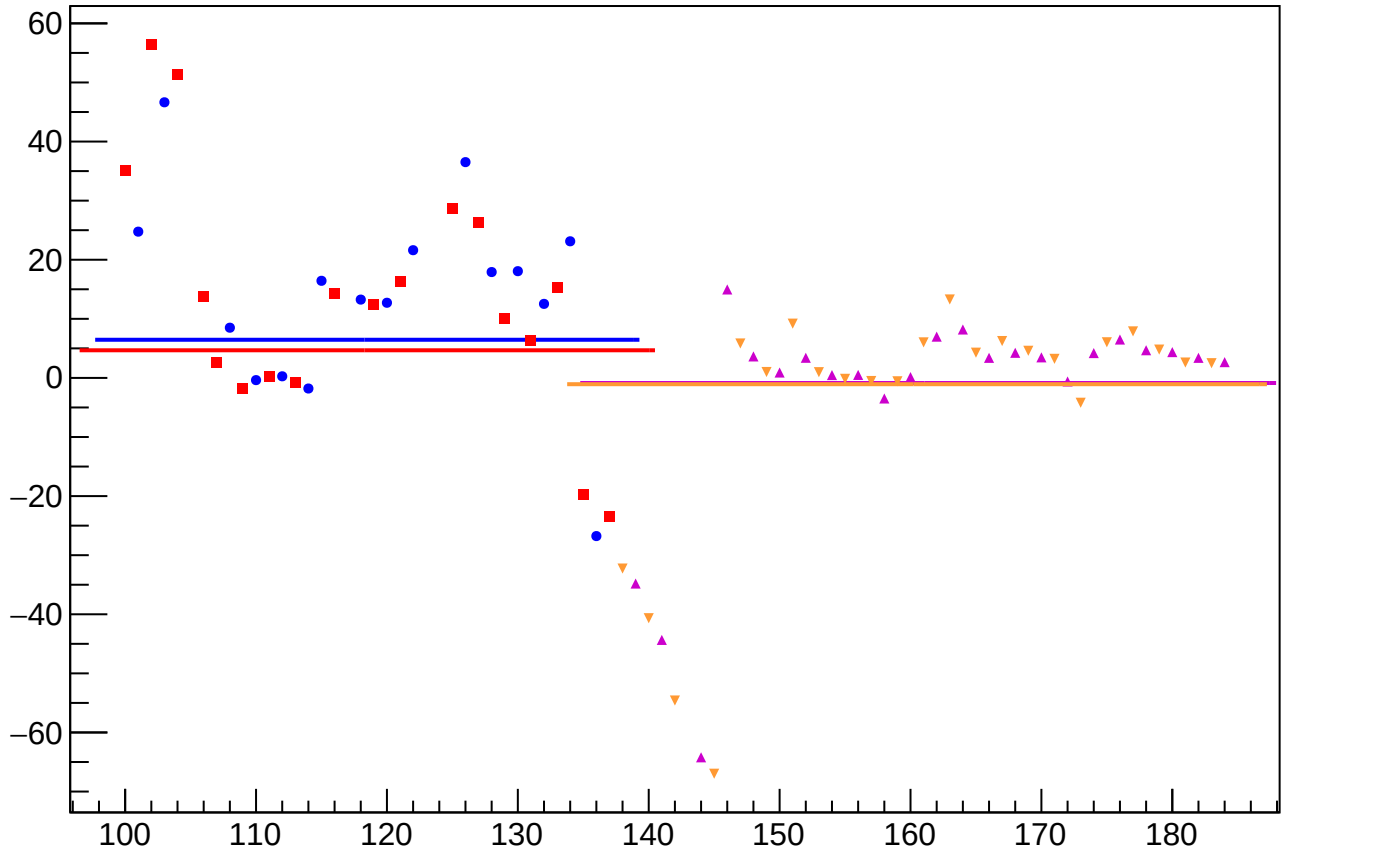
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.738+/-0.029 χ^2/NDF: 7328.9/38

All: 0.615+/-0.020 χ^2/NDF: 16173.8/79

- sign 0.507+/-0.027 χ^2/NDF: 8812.1/40



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -1.064+/-0.041 χ^2/NDF:125904.4/22

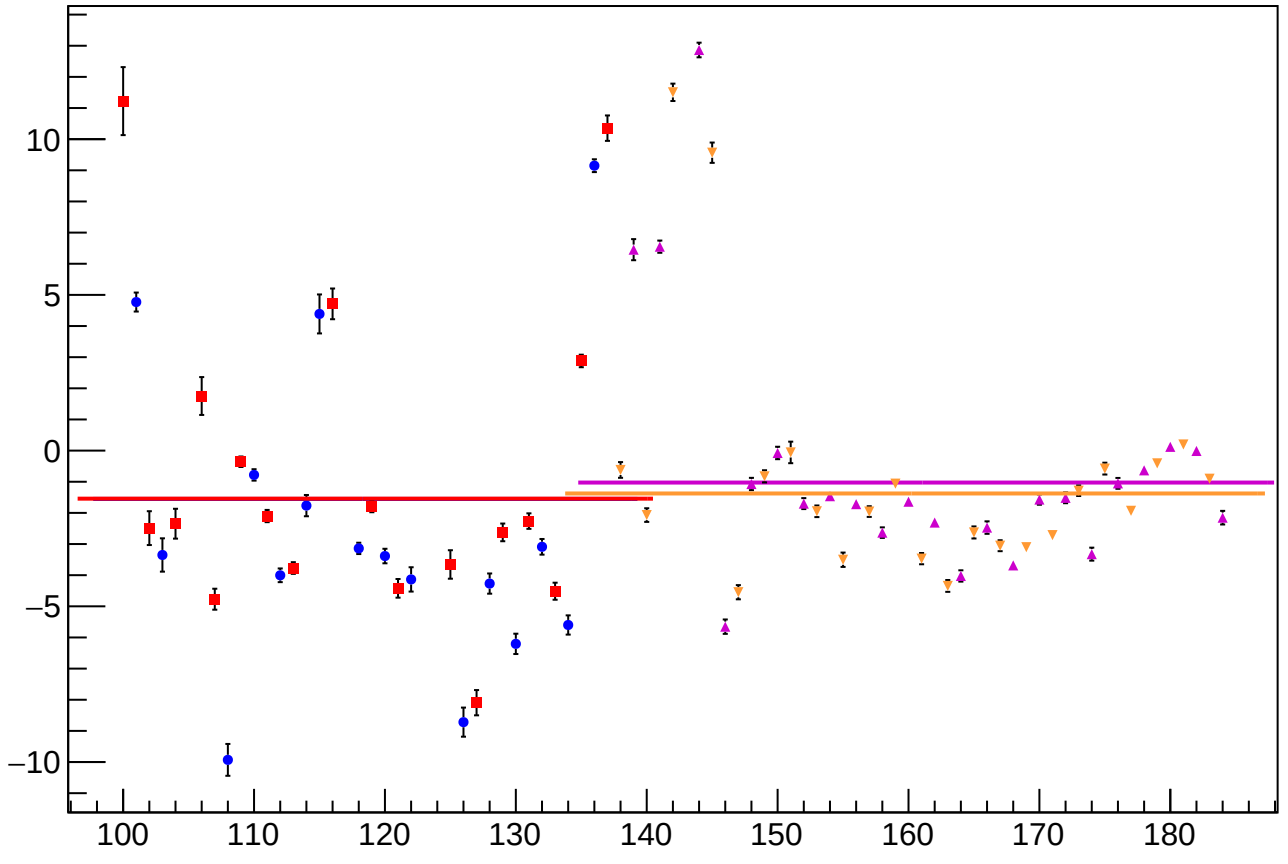
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign 1.079+/-0.035 χ^2/NDF: 206283.7/38

All: 0.949+/-0.024 χ^2/NDF: 416304.6/79

- sign 0.834+/-0.033 χ^2/NDF: 209994.4/40



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.377+/-0.037 χ^2/NDF:4585.3/22

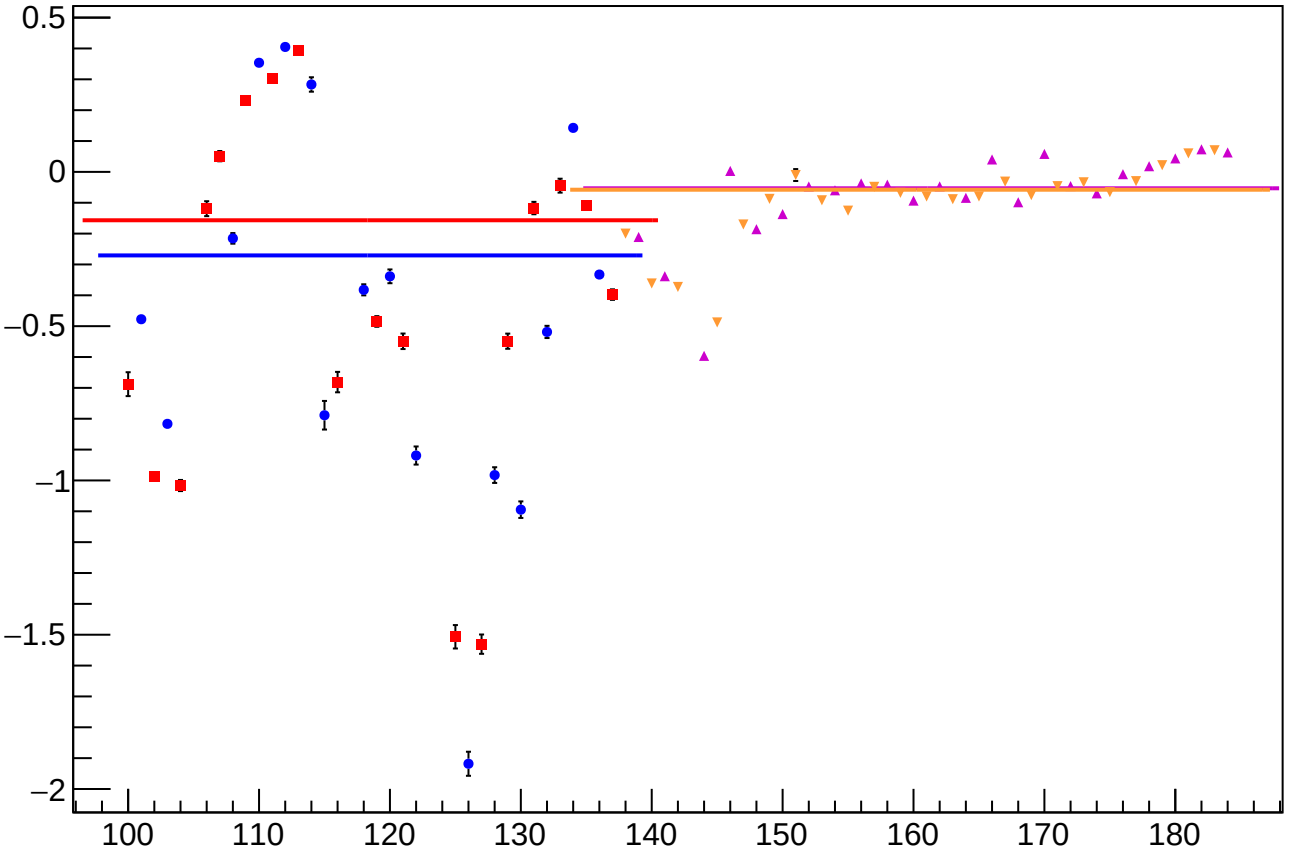
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.416+/-0.033 χ^2/NDF: 9133.8/38

All: -1.270+/-0.022 χ^2/NDF: 18741.0/79

- sign -1.142+/-0.031 χ^2/NDF: 9569.8/40



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.058+/-0.002 χ^2/NDF:4132.9/22

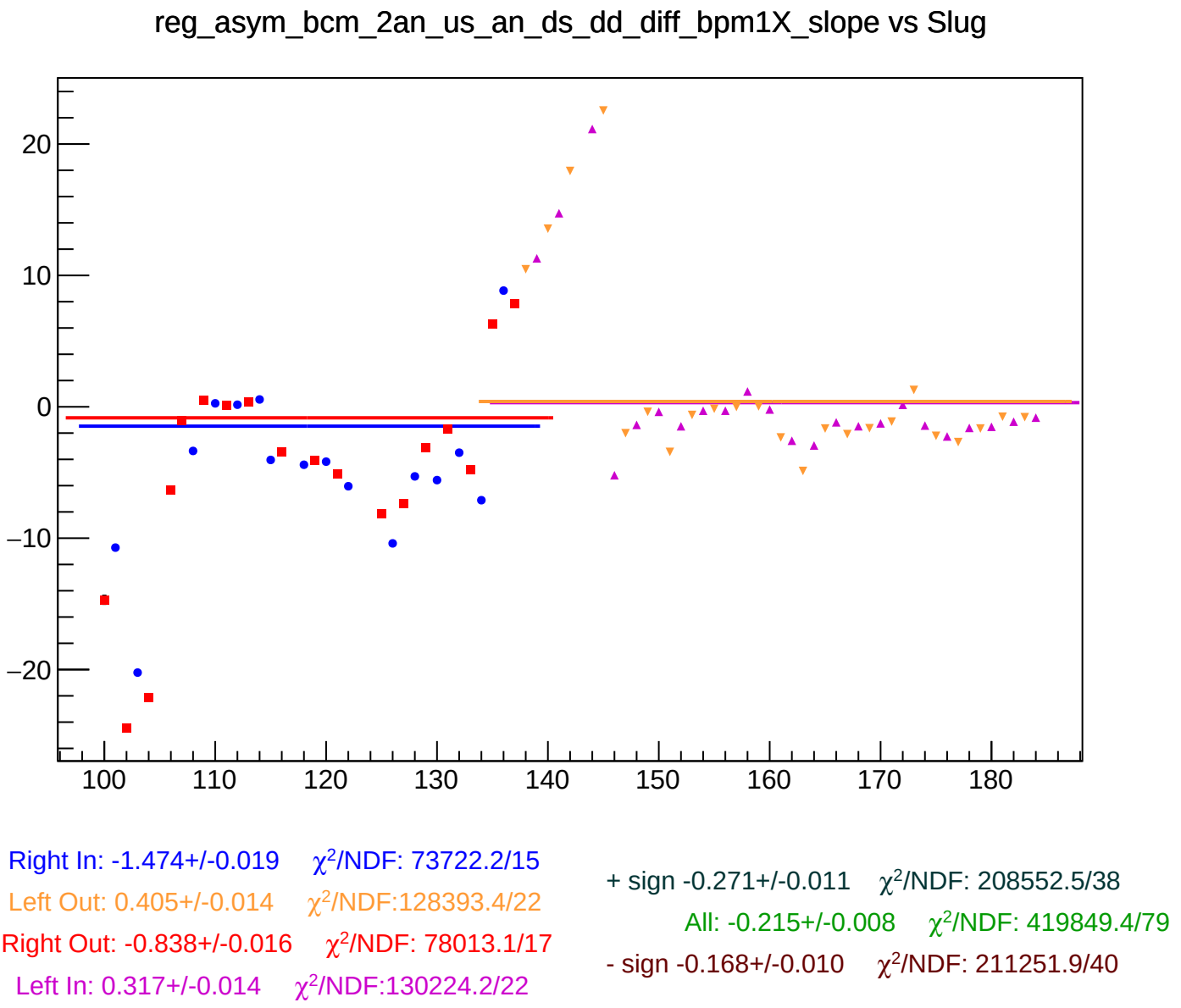
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

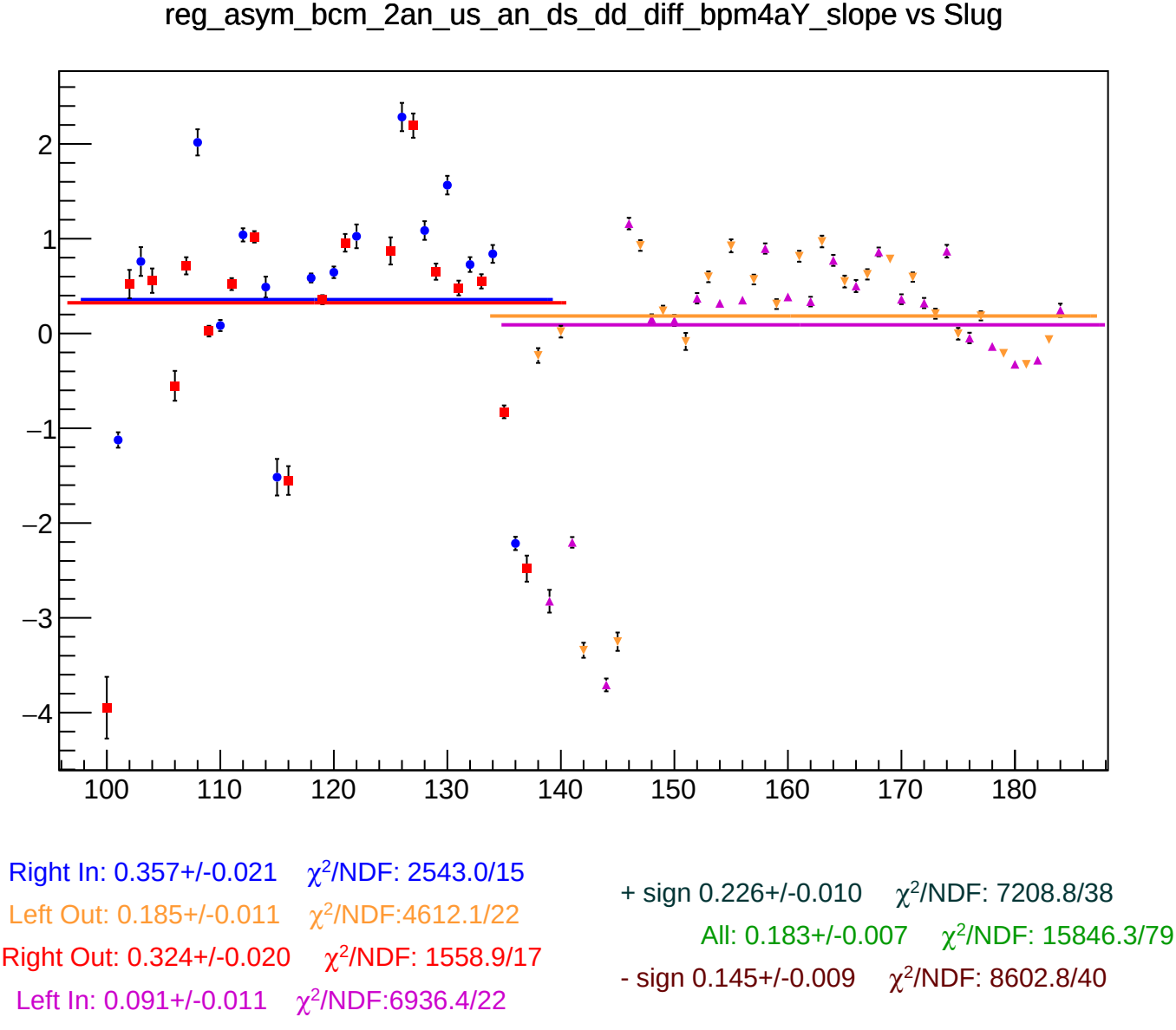
Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

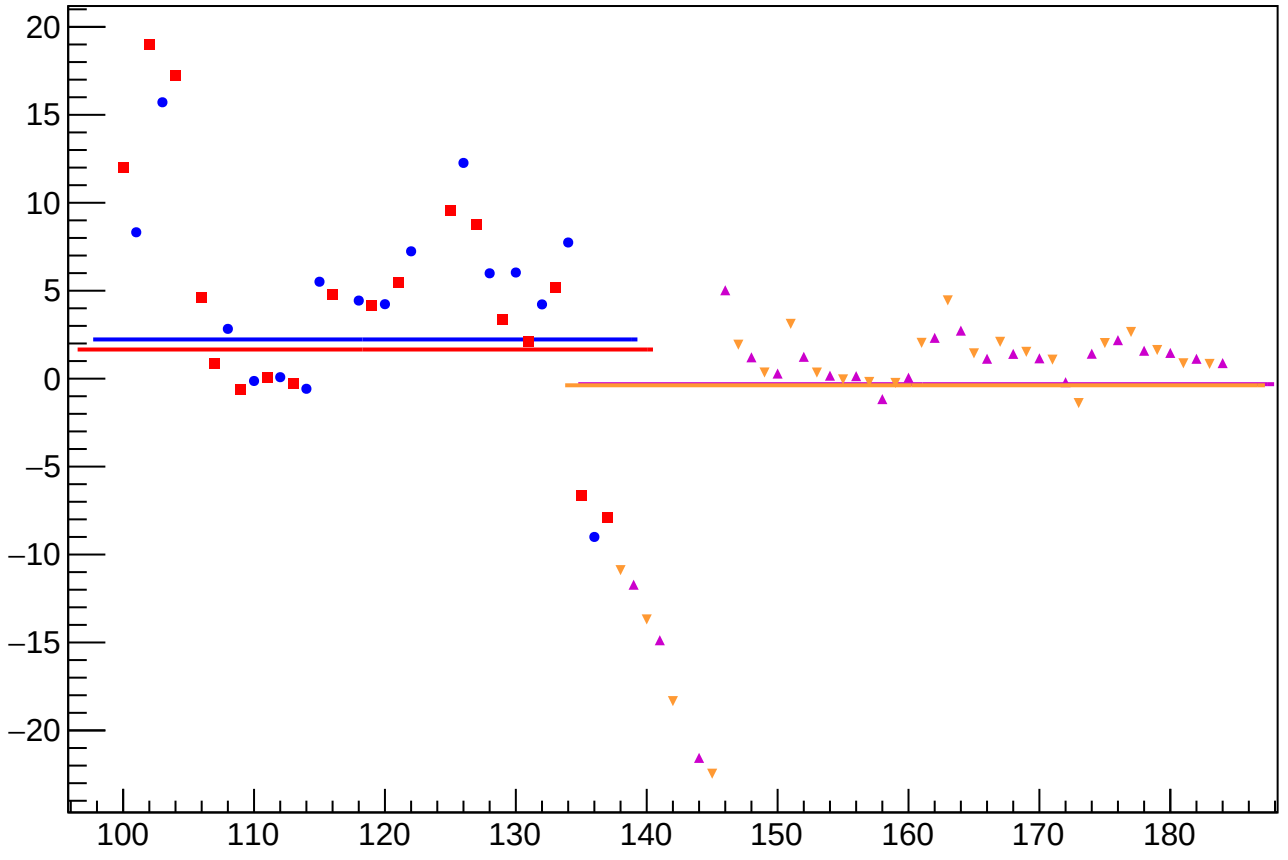
+ sign -0.086+/-0.002 χ^2/NDF: 18521.3/38

All: -0.076+/-0.001 χ^2/NDF: 39283.2/79

- sign -0.067+/-0.001 χ^2/NDF: 20675.5/40


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: -1.474+/-0.019 χ²/NDF: 73722.2/15
Left Out: 0.405+/-0.014 χ²/NDF:128393.4/22
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 0.317+/-0.014 χ²/NDF:130224.2/22
+ sign -0.271+/-0.011 χ²/NDF: 208552.5/38
All: -0.215+/-0.008 χ²/NDF: 419849.4/79
- sign -0.168+/-0.010 χ²/NDF: 211251.9/40


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: 0.185+/-0.011 χ²/NDF:4612.1/22
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: 0.091+/-0.011 χ²/NDF:6936.4/22
+ sign 0.226+/-0.010 χ²/NDF: 7208.8/38
All: 0.183+/-0.007 χ²/NDF: 15846.3/79
- sign 0.145+/-0.009 χ²/NDF: 8602.8/40



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.377+/-0.014 χ^2/NDF:123783.2/22

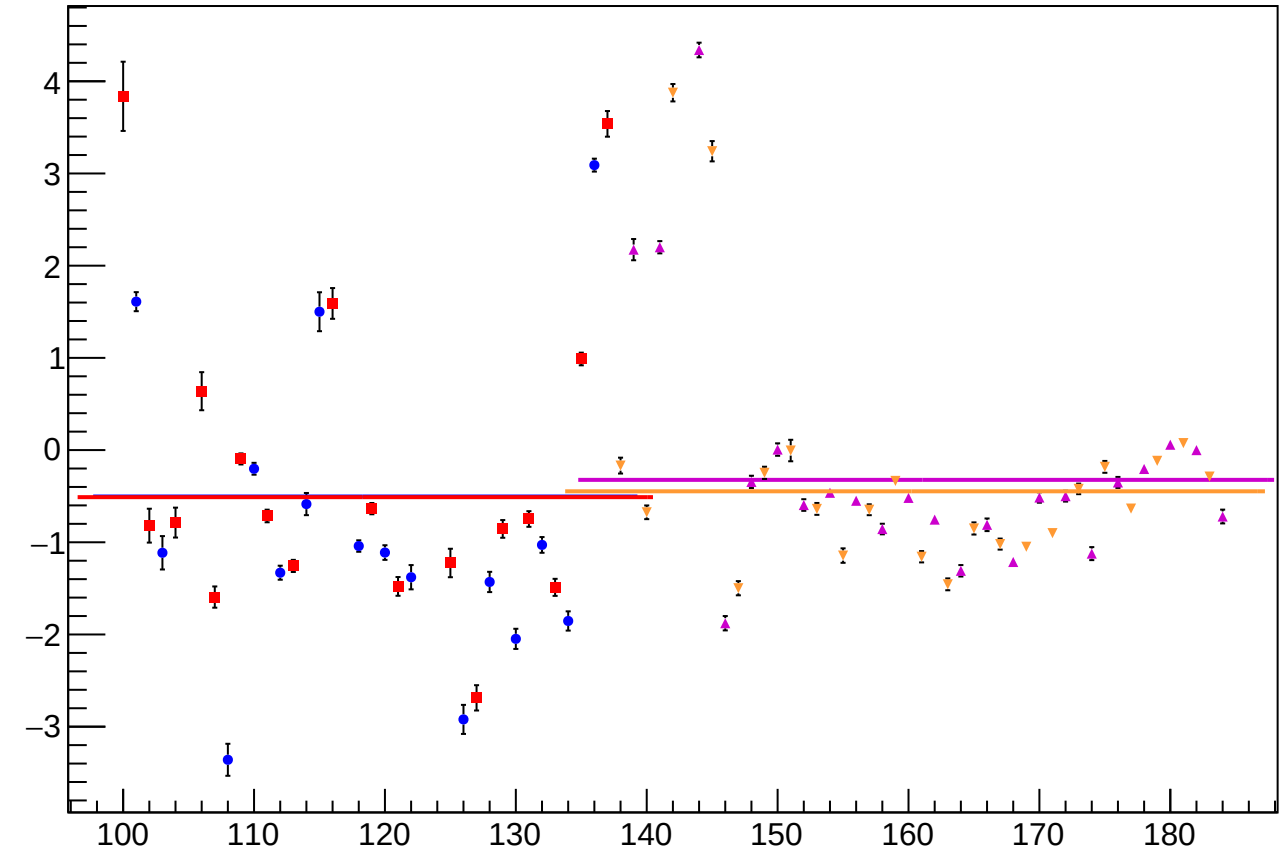
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.363+/-0.012 χ^2/NDF: 202789.3/38

All: 0.320+/-0.008 χ^2/NDF: 409093.4/79

- sign 0.281+/-0.011 χ^2/NDF: 206279.1/40



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.447+/-0.013 χ^2/NDF:4527.0/22

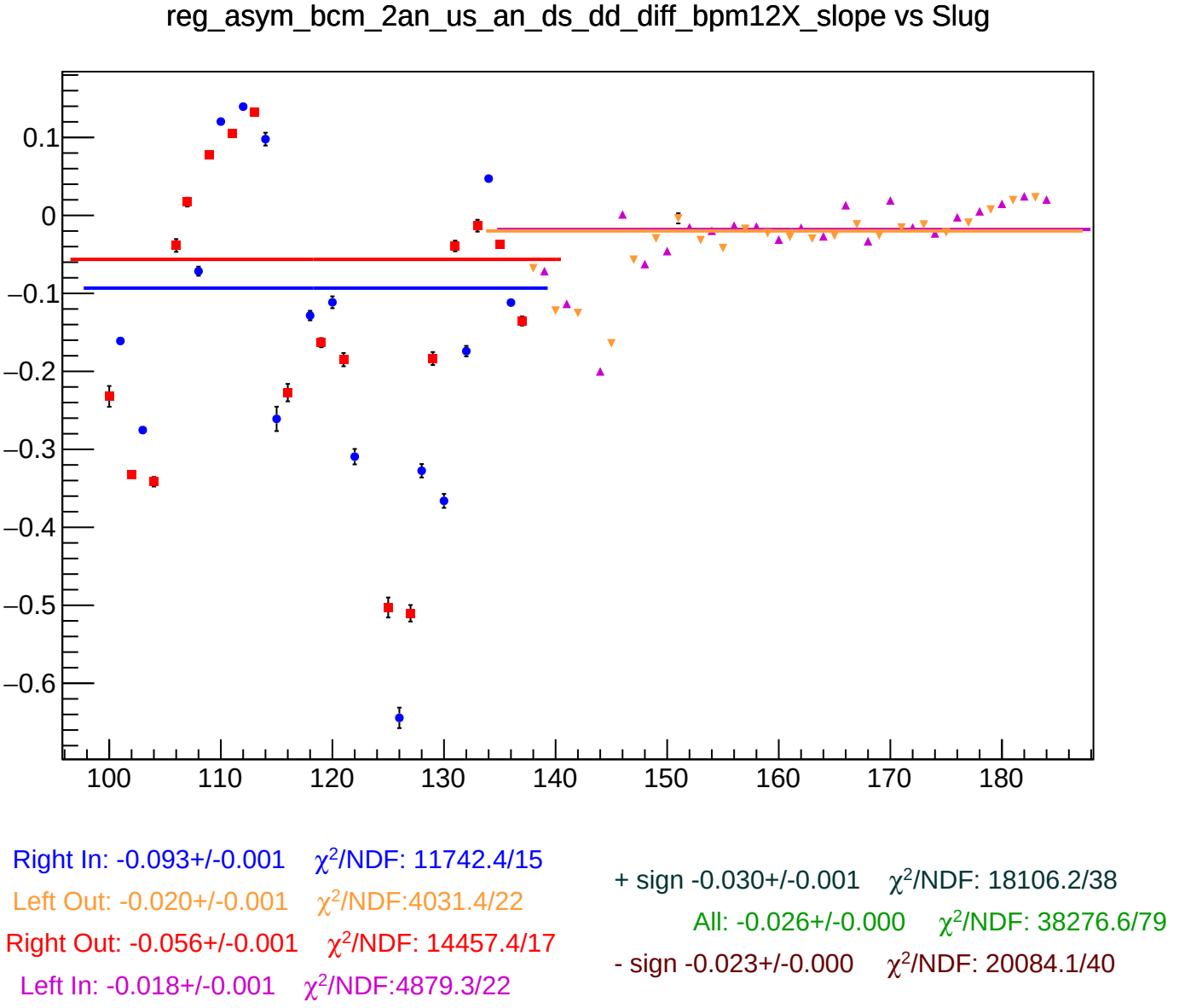
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

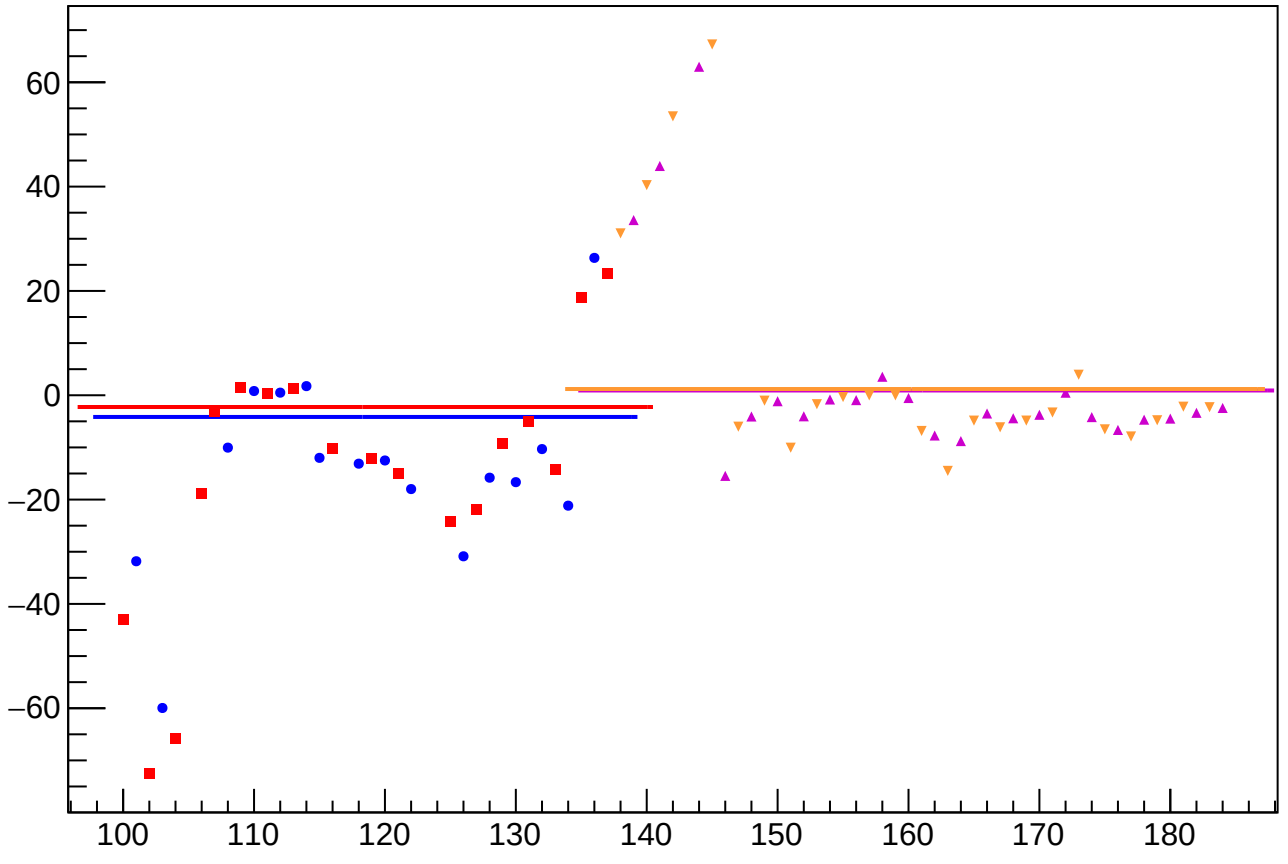
Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.460+/-0.011 χ^2/NDF: 8978.6/38

All: -0.409+/-0.008 χ^2/NDF: 18378.0/79

- sign -0.365+/-0.011 χ^2/NDF: 9361.0/40


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: -0.018+/-0.001 χ²/NDF:4879.3/22
+ sign -0.030+/-0.001 χ²/NDF: 18106.2/38
All: -0.026+/-0.000 χ²/NDF: 38276.6/79
- sign -0.023+/-0.000 χ²/NDF: 20084.1/40



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 1.195+/-0.041 χ^2/NDF:130552.0/22

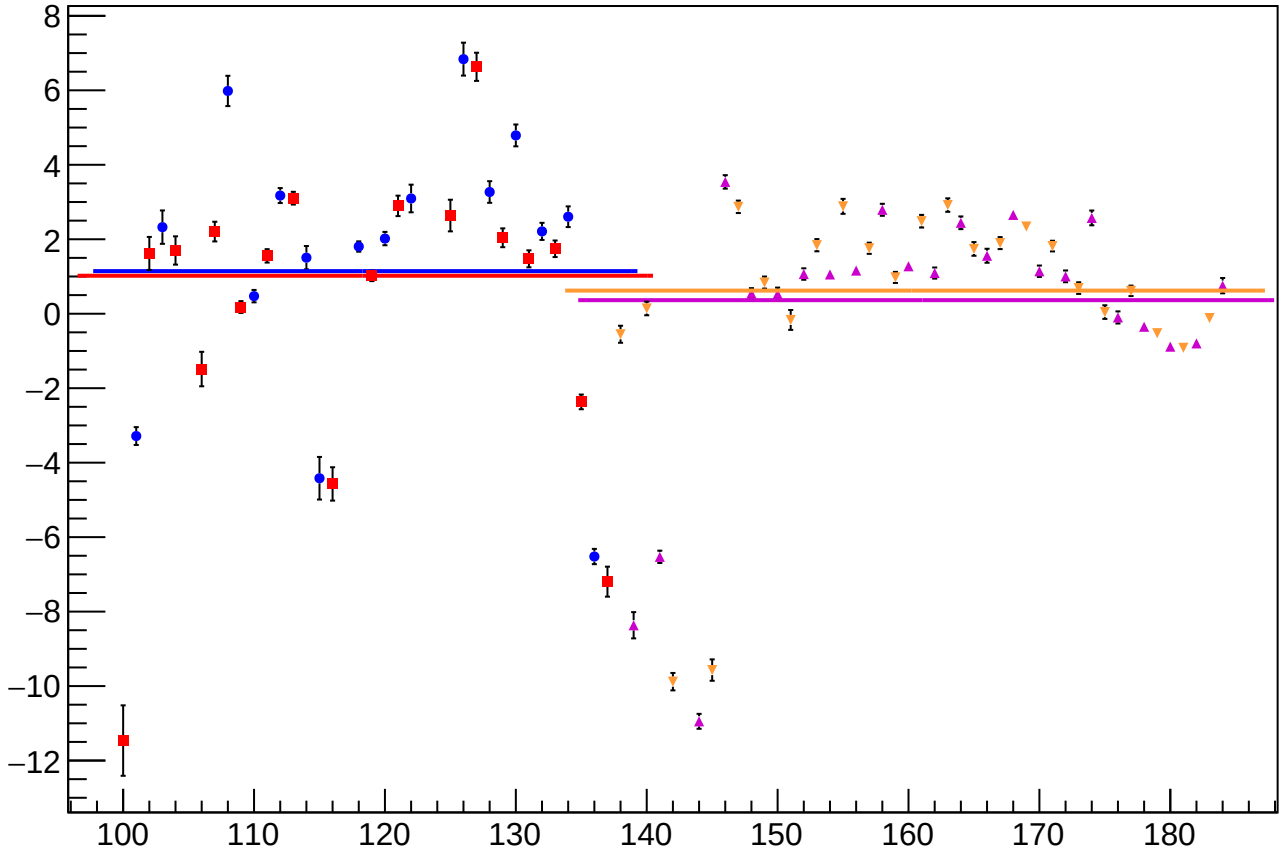
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign -0.748+/-0.033 χ^2/NDF: 212149.0/38

All: -0.581+/-0.022 χ^2/NDF: 427364.1/79

- sign -0.441+/-0.030 χ^2/NDF: 215167.4/40



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.622+/-0.034 χ^2/NDF:4673.7/22

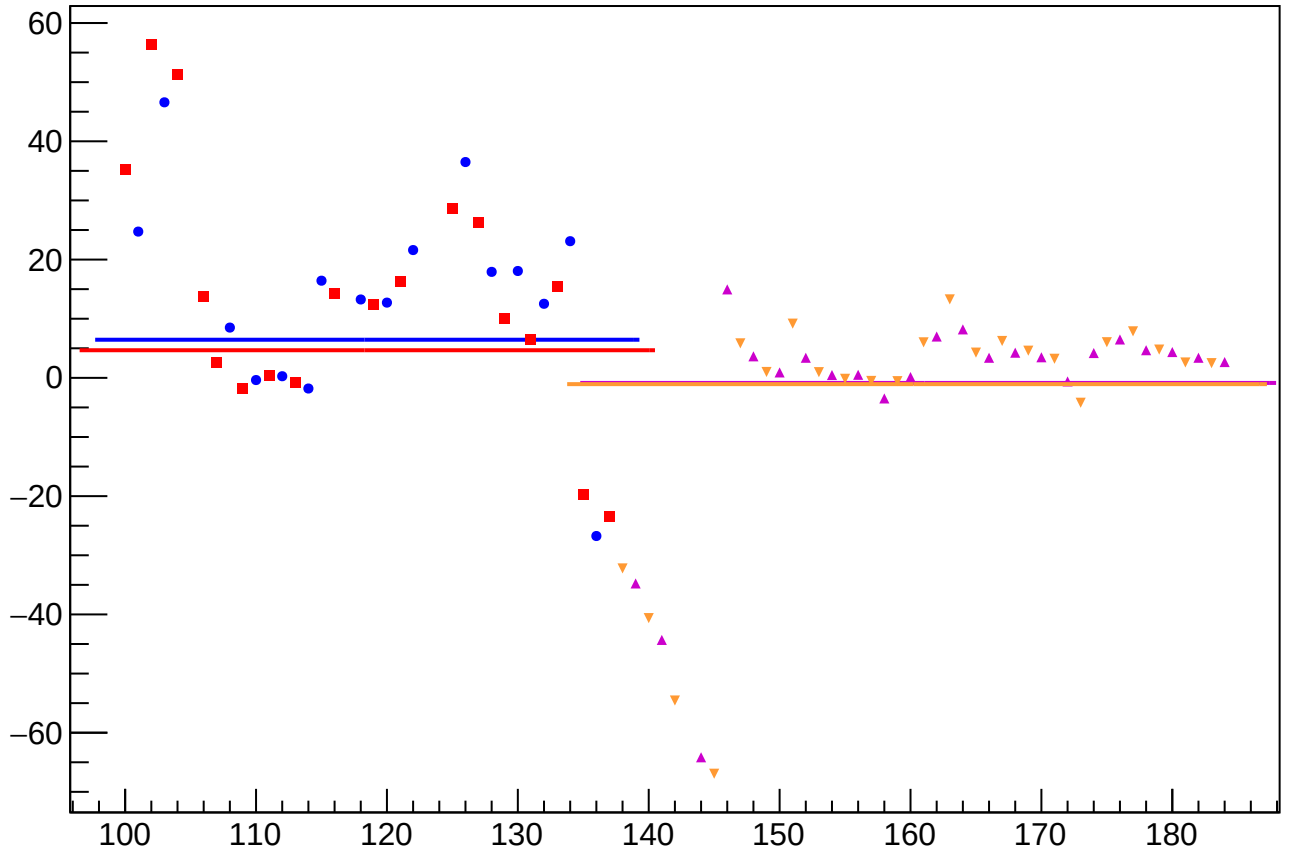
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.746+/-0.029 χ^2/NDF: 7326.6/38

All: 0.623+/-0.020 χ^2/NDF: 16174.5/79

- sign 0.516+/-0.027 χ^2/NDF: 8815.1/40



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -1.062+/-0.041 χ^2/NDF:125883.9/22

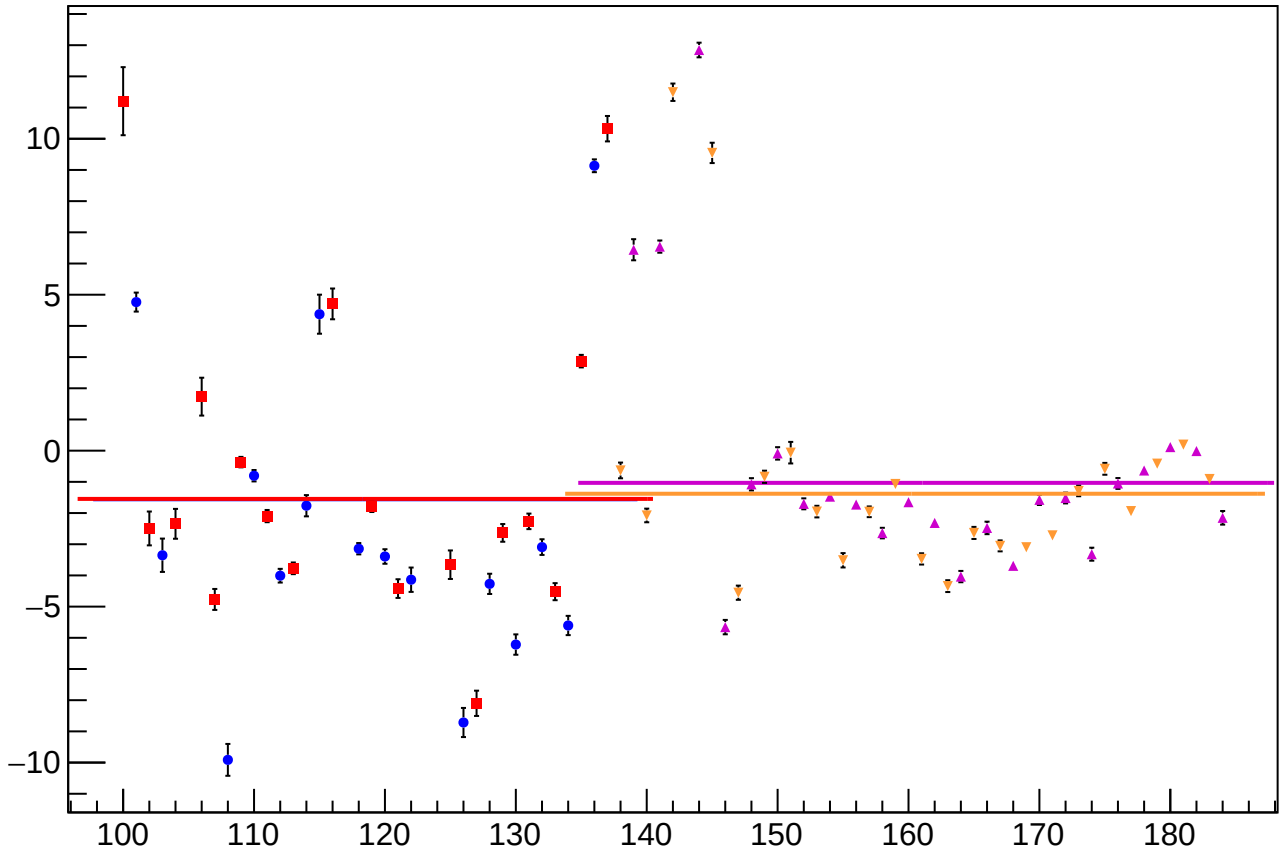
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

\+ sign 1.079+/-0.035 χ^2/NDF: 206275.9/38

All: 0.950+/-0.024 χ^2/NDF: 416302.4/79

\- sign 0.835+/-0.033 χ^2/NDF: 210000.4/40



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.381+/-0.037 χ^2/NDF:4582.7/22

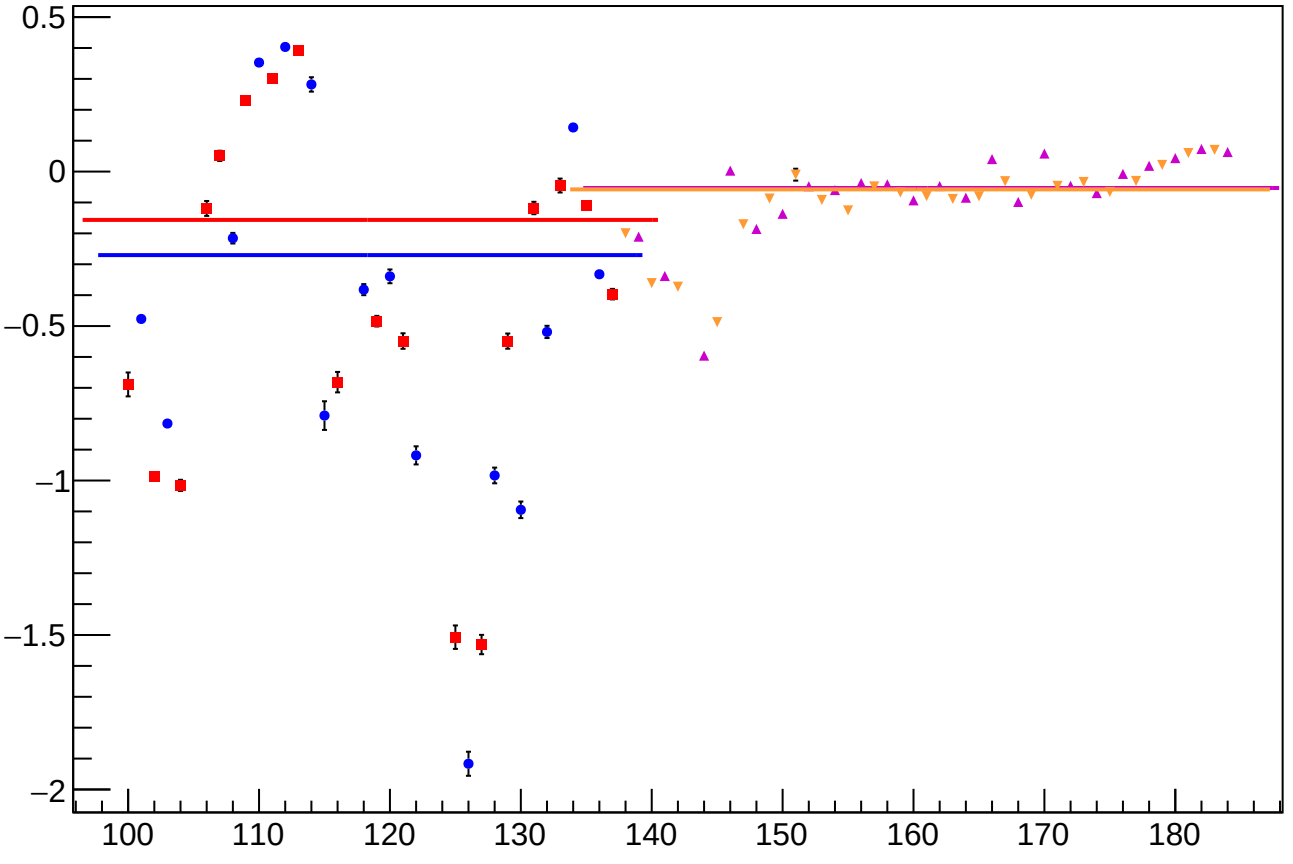
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.421+/-0.033 χ^2/NDF: 9130.9/38

All: -1.275+/-0.022 χ^2/NDF: 18738.9/79

- sign -1.148+/-0.031 χ^2/NDF: 9570.7/40



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.058+/-0.002 χ^2/NDF:4133.5/22

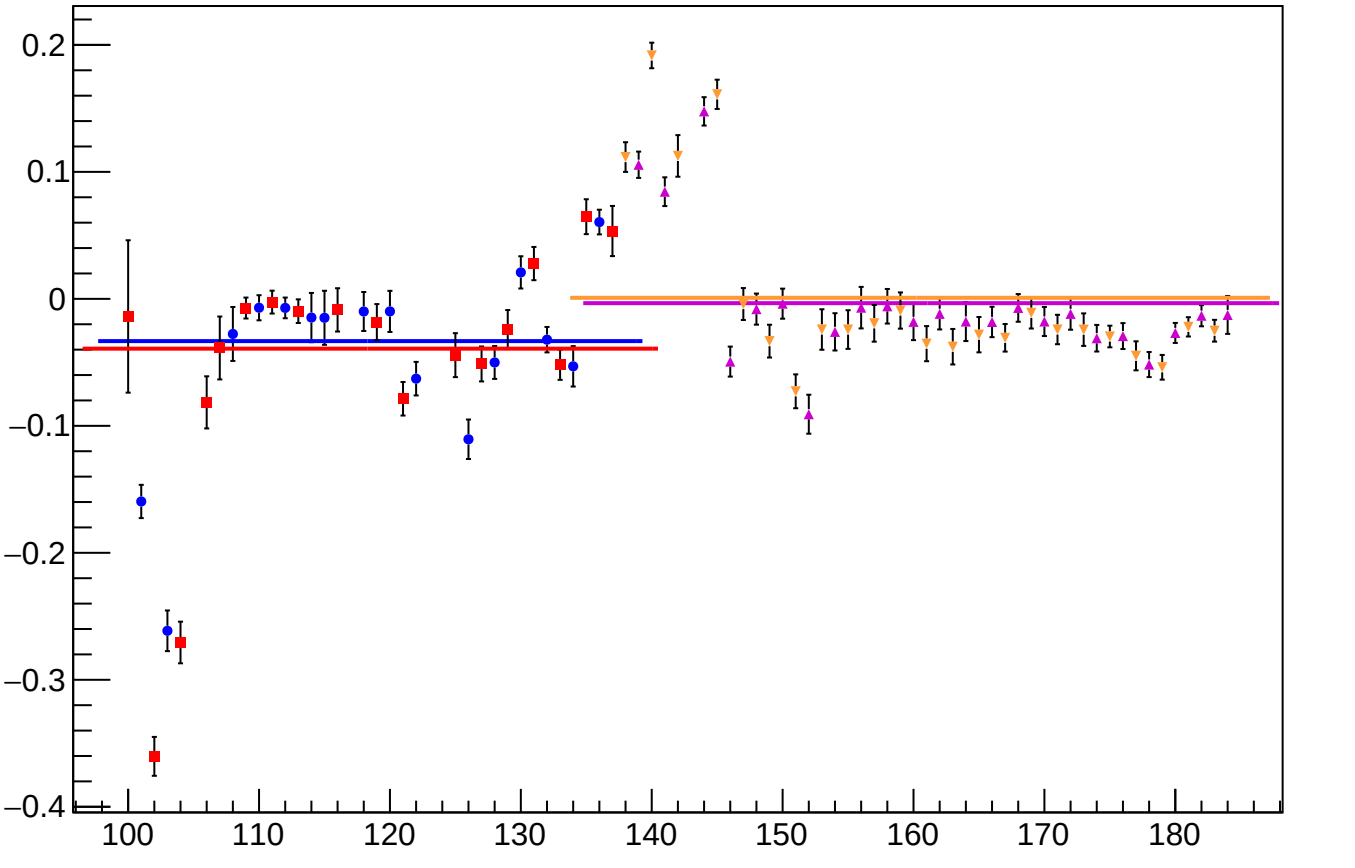
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.086+/-0.002 χ^2/NDF: 18523.0/38

All: -0.076+/-0.001 χ^2/NDF: 39296.2/79

- sign -0.067+/-0.001 χ^2/NDF: 20687.5/40



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/22

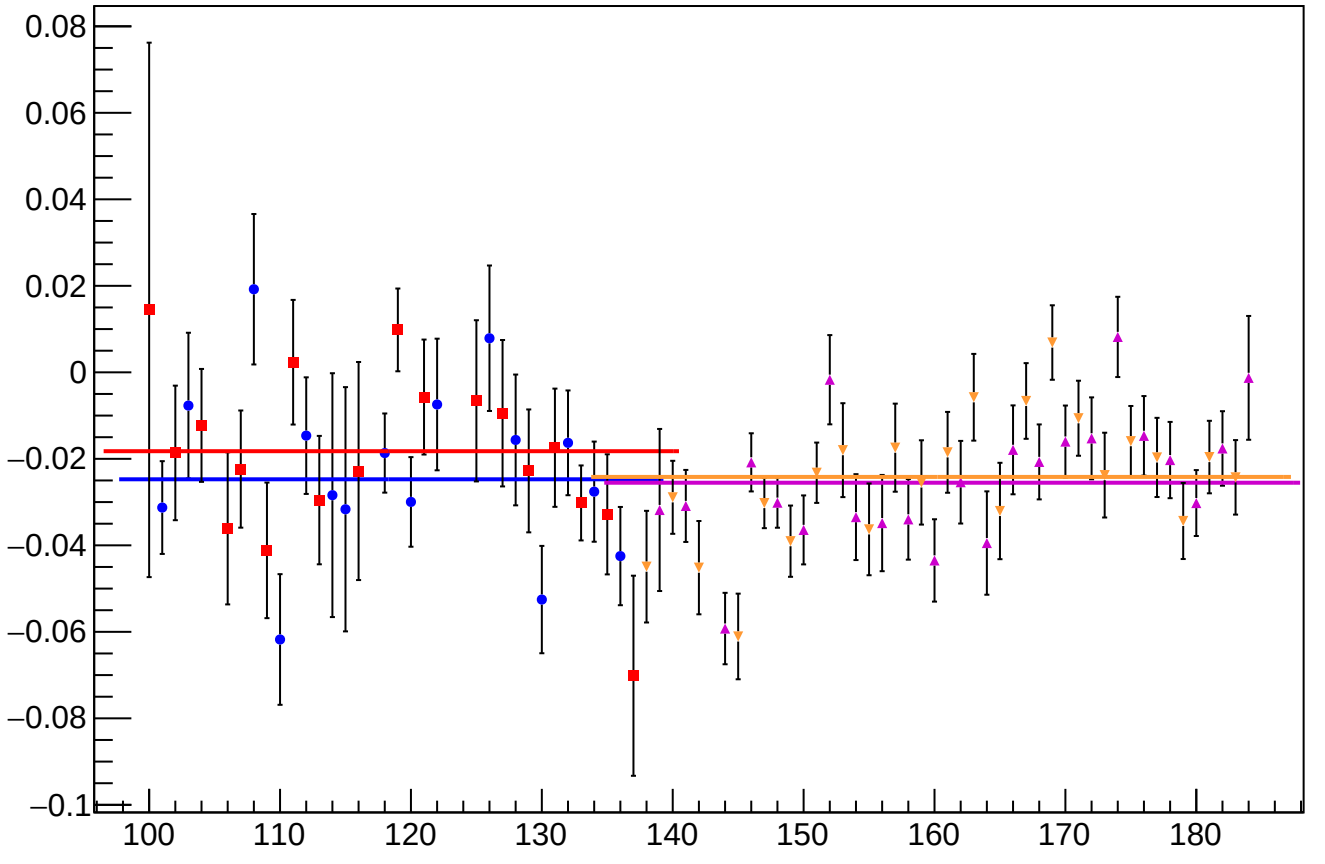
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.011+/-0.002 χ^2/NDF: 1385.1/38

All: -0.014+/-0.001 χ^2/NDF: 2734.6/79

- sign -0.016+/-0.002 χ^2/NDF: 1346.2/40



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/22

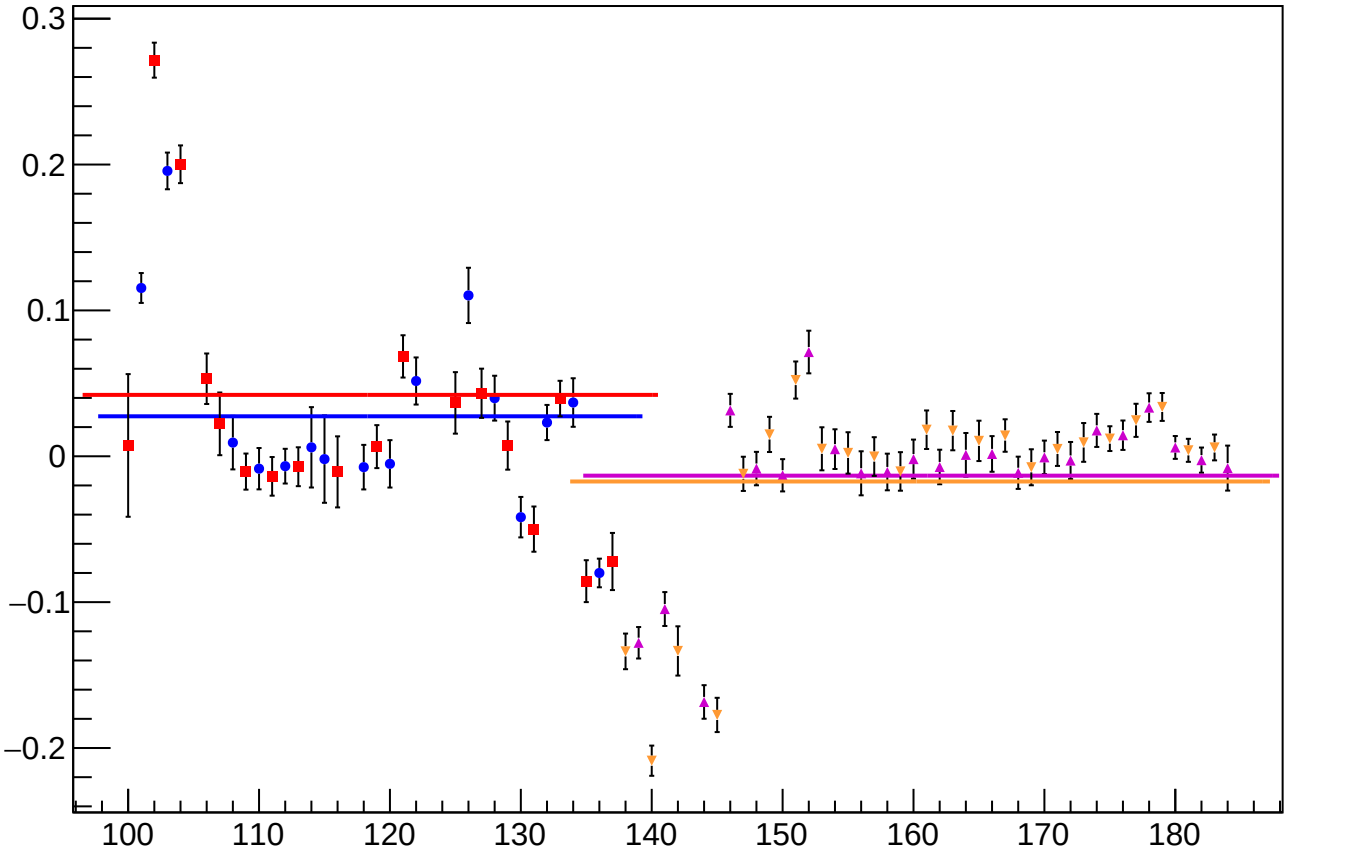
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 82.2/38

All: -0.024+/-0.001 χ^2/NDF: 165.5/79

- sign -0.024+/-0.002 χ^2/NDF: 83.3/40



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.017+/-0.002 χ^2/NDF:811.8/22

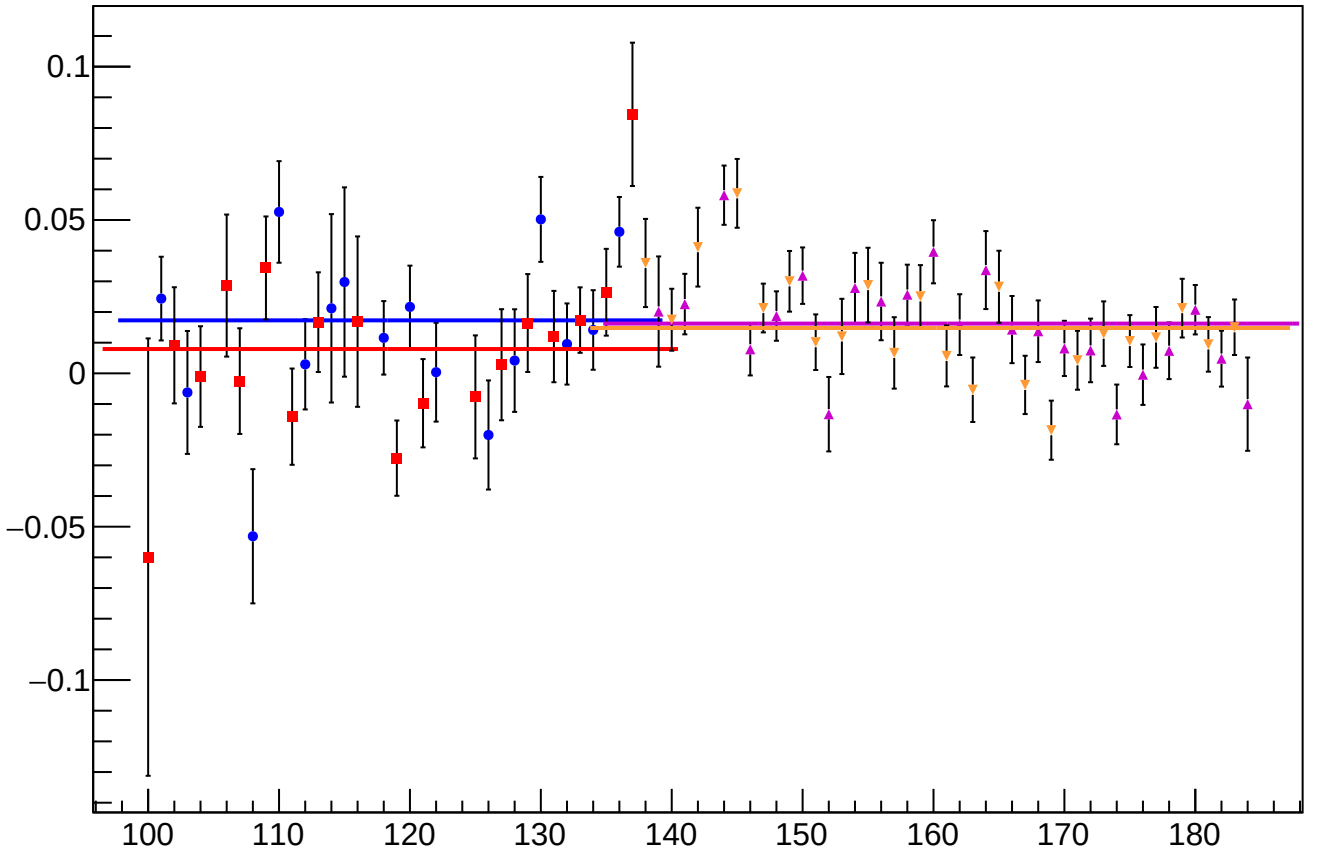
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.003+/-0.002 χ^2/NDF: 1365.6/38

All: -0.000+/-0.001 χ^2/NDF: 2725.2/79

- sign 0.003+/-0.002 χ^2/NDF: 1353.9/40



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.9/22

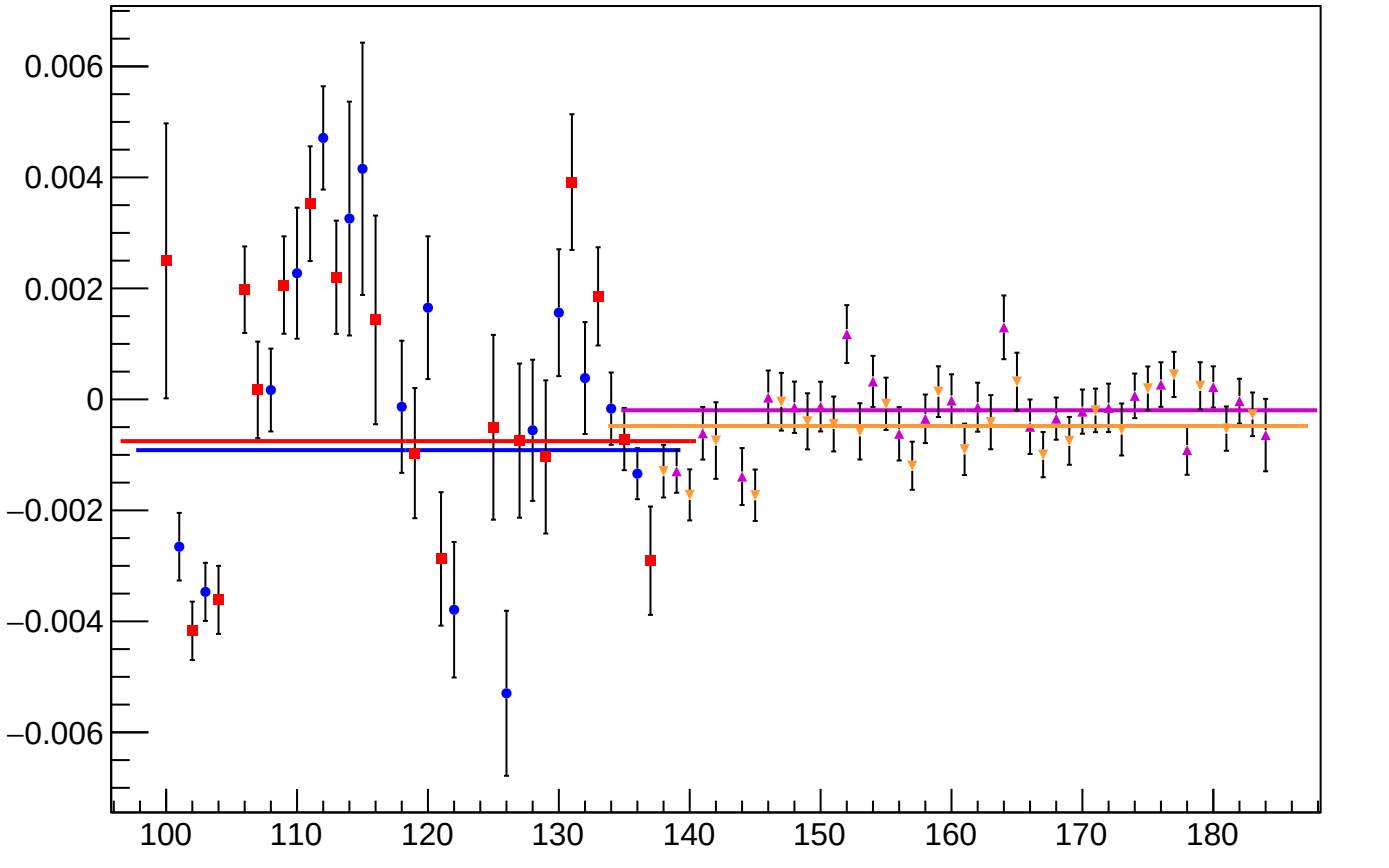
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 88.9/38

All: 0.015+/-0.001 χ^2/NDF: 181.9/79

- sign 0.014+/-0.002 χ^2/NDF: 92.9/40



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.7/22

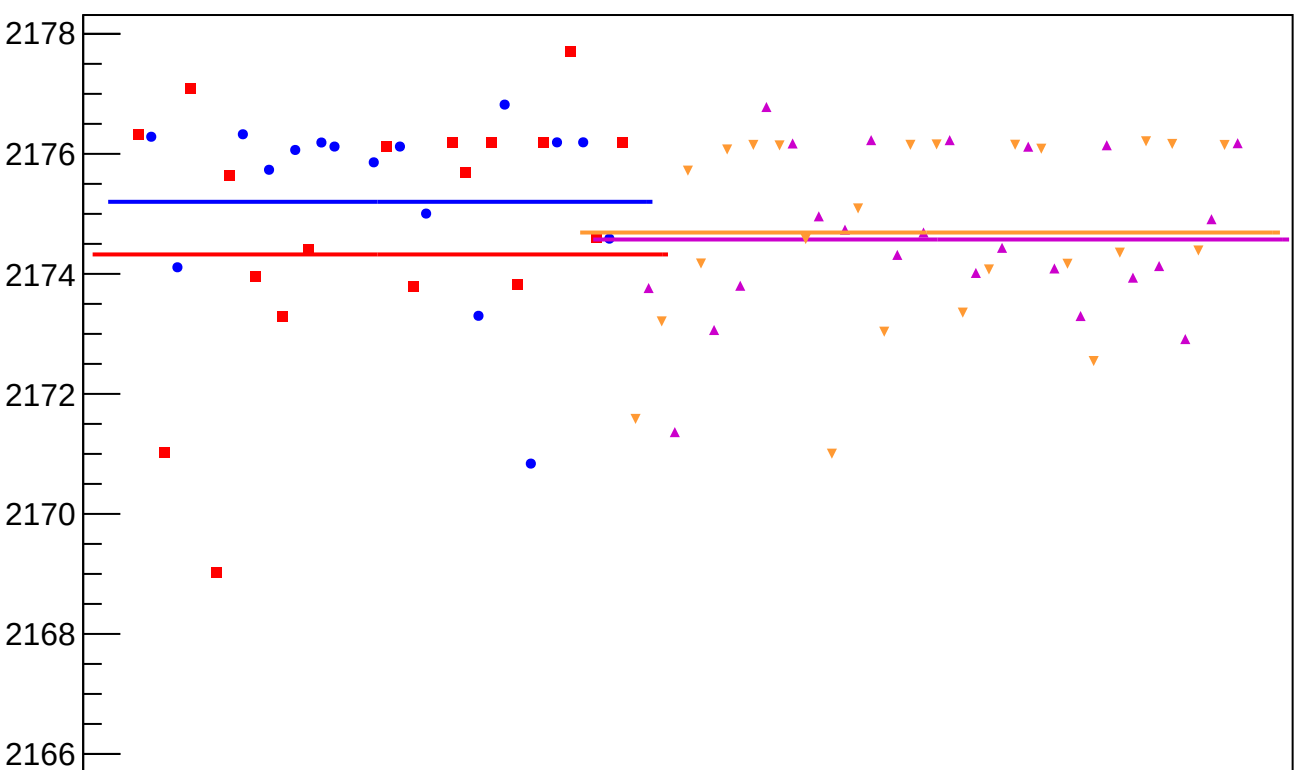
Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.001+/-0.000 χ^2/NDF: 158.3/38

All: -0.000+/-0.000 χ^2/NDF: 353.6/79

- sign -0.000+/-0.000 χ^2/NDF: 190.5/40



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

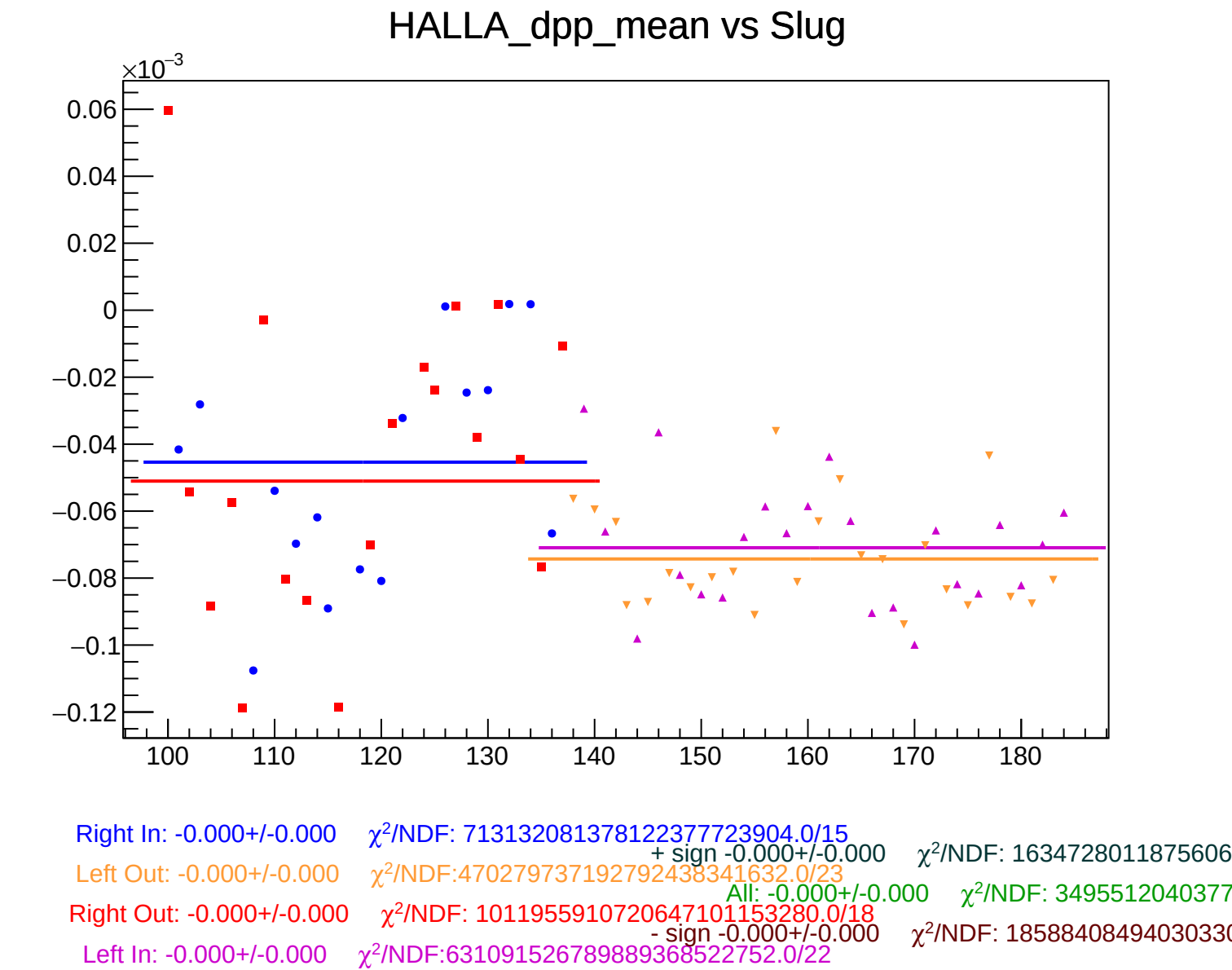
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

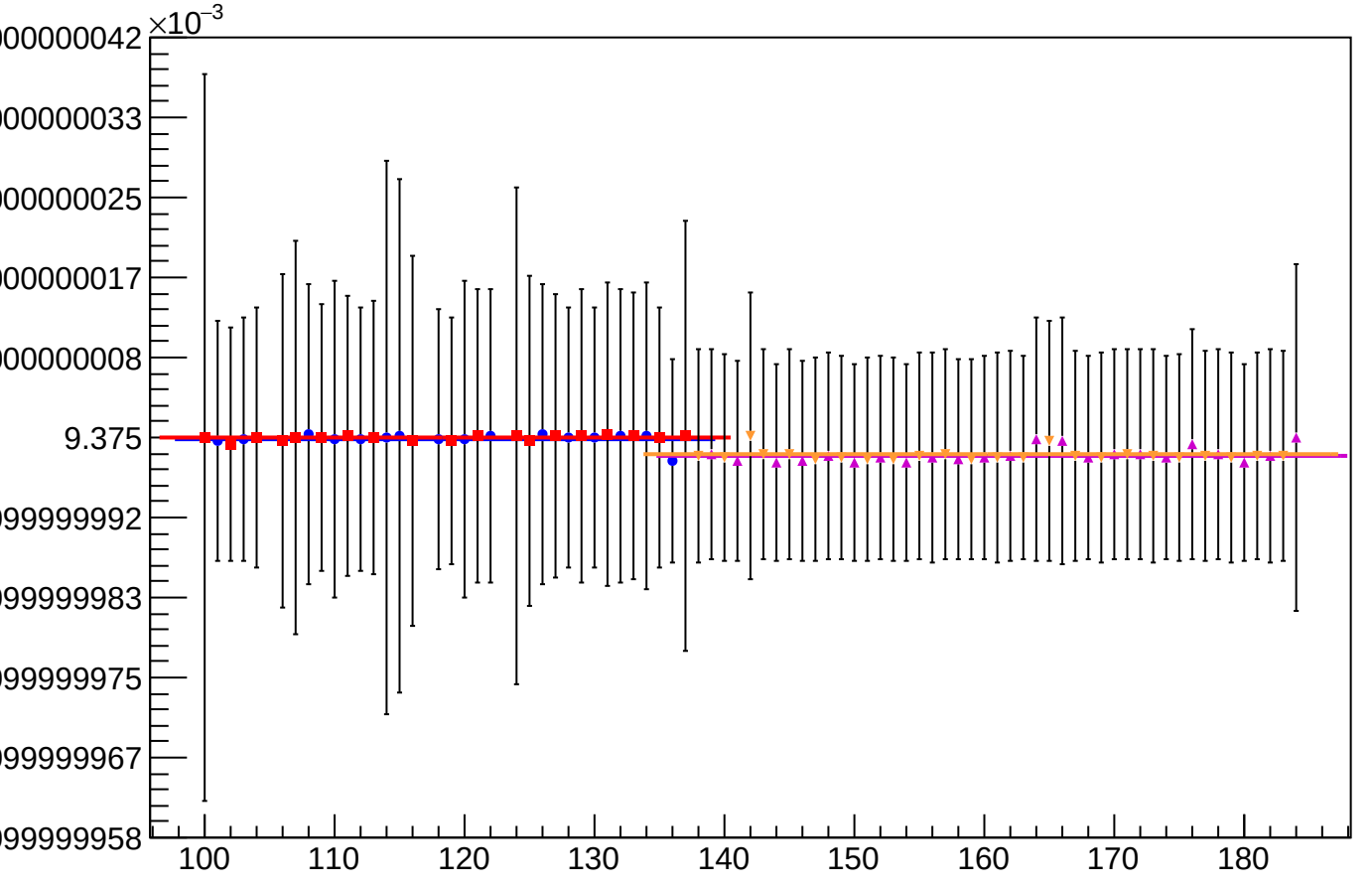
+ sign 2174.828+/-0.000 χ^2/NDF: 6797076978058

All: 2174.667+/-0.000 χ^2/NDF: 1594805040

- sign 2174.502+/-0.000 χ^2/NDF: 90072665542503


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:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 16347280118756060
All: -0.000+/-0.000 χ²/NDF: 3495512040377
- sign -0.000+/-0.000 χ²/NDF: 18588408494030330

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

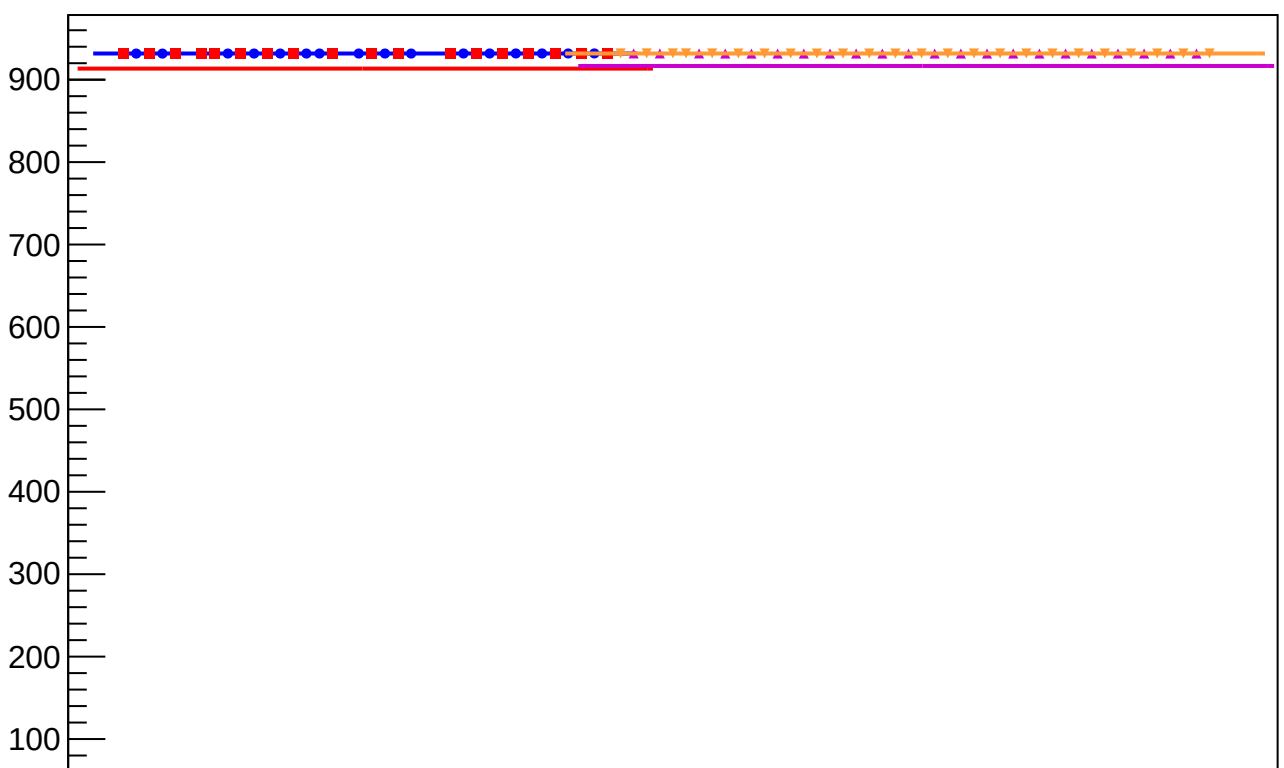
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.6/81

- sign 0.009+/-0.000 χ^2/NDF: 0.3/41

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

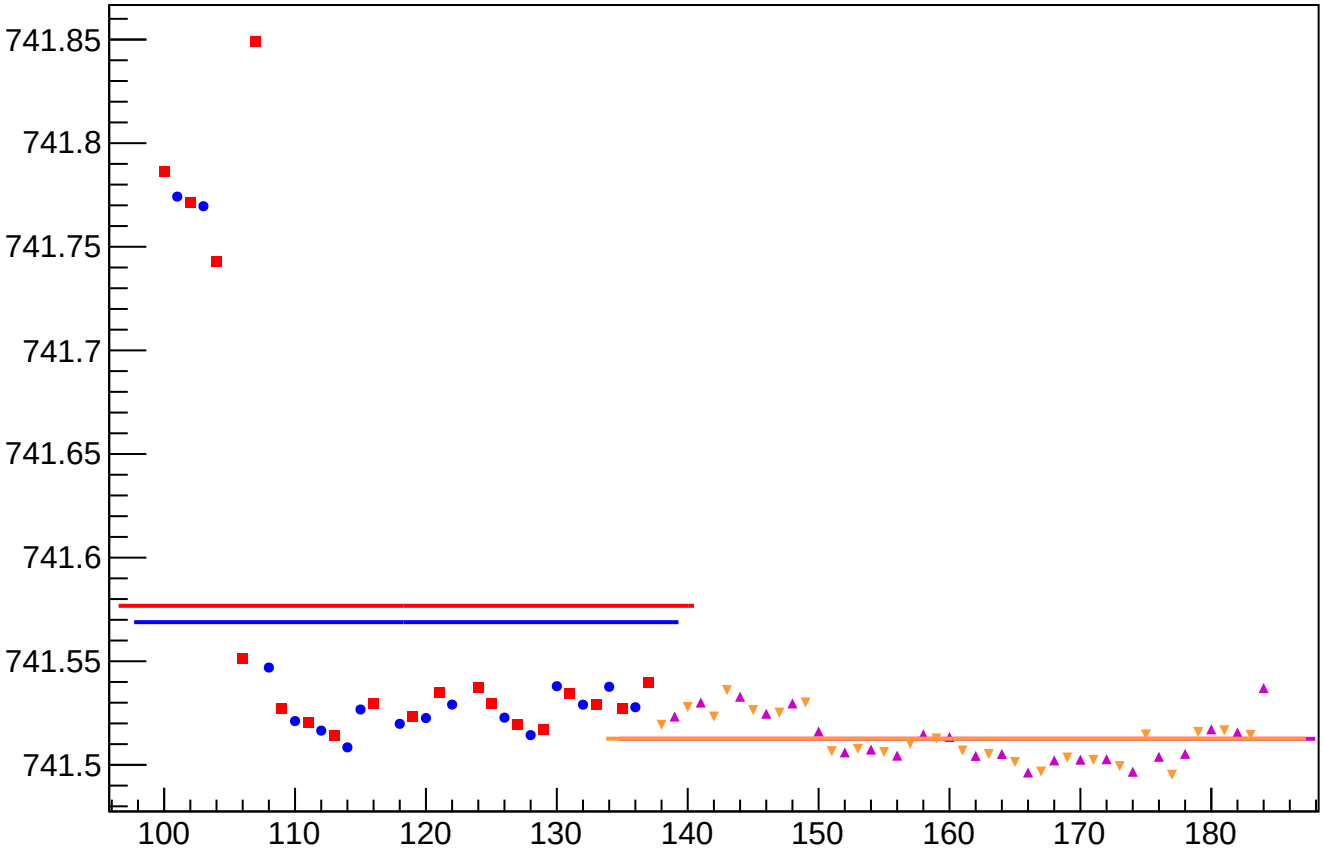
All: 923.853+/-0.000 χ^2/NDF: 394887381493

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 915.737+/-0.000 χ^2/NDF: 391412296166848

Left In: 916.654+/-0.000 χ^2/NDF:26369744931183548073785664842185572352.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

+ sign 741.528+/-0.000 χ^2/NDF: 837591277907576

Left Out: 741.513+/-0.000 χ^2/NDF:2364812158379302251068118794 24.0/23

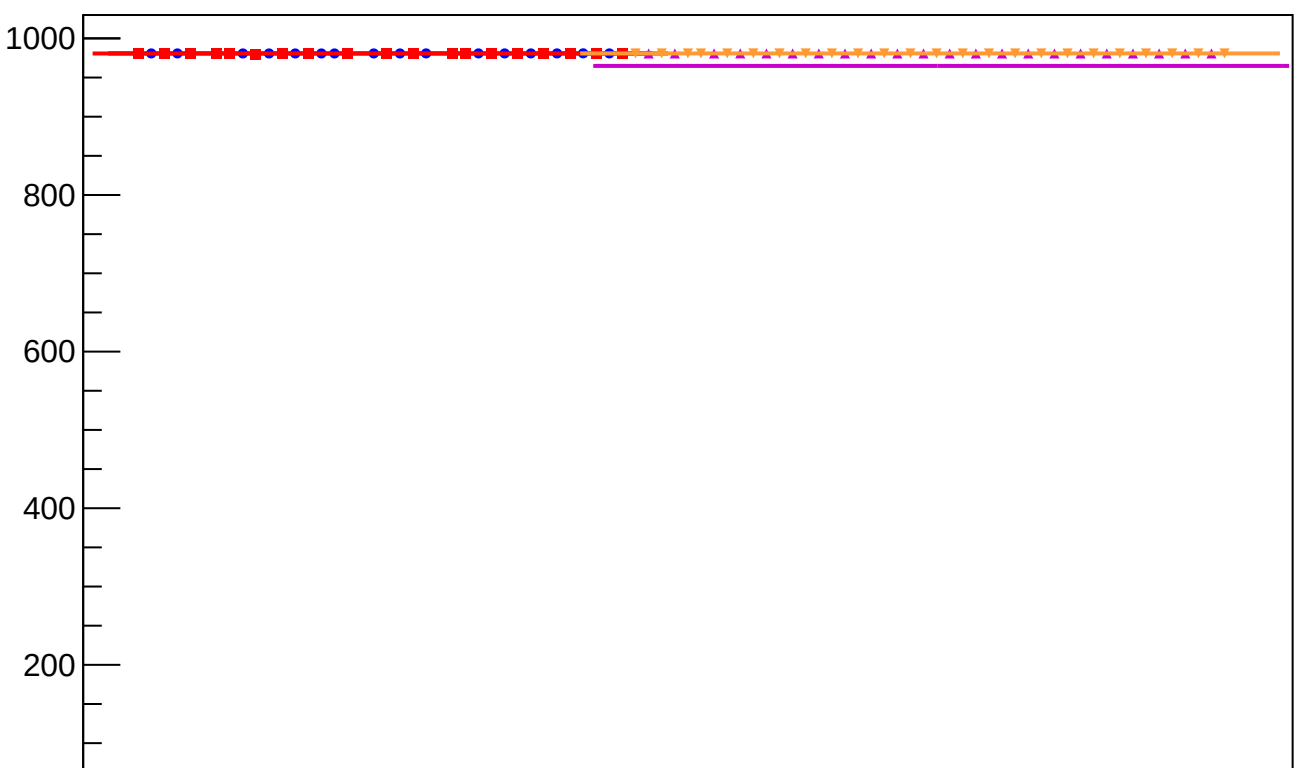
All: 741.529+/-0.000 χ^2/NDF: 1855996717 50

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

- sign 741.531+/-0.000 χ^2/NDF: 101716284760854

Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 93331327688480778677424593305 6.0/15

+ sign 980.778+/-0.000 χ^2/NDF: 239793582771104

Left Out: 980.768+/-0.000 χ^2/NDF:7857866638142249259360269107 20.0/23

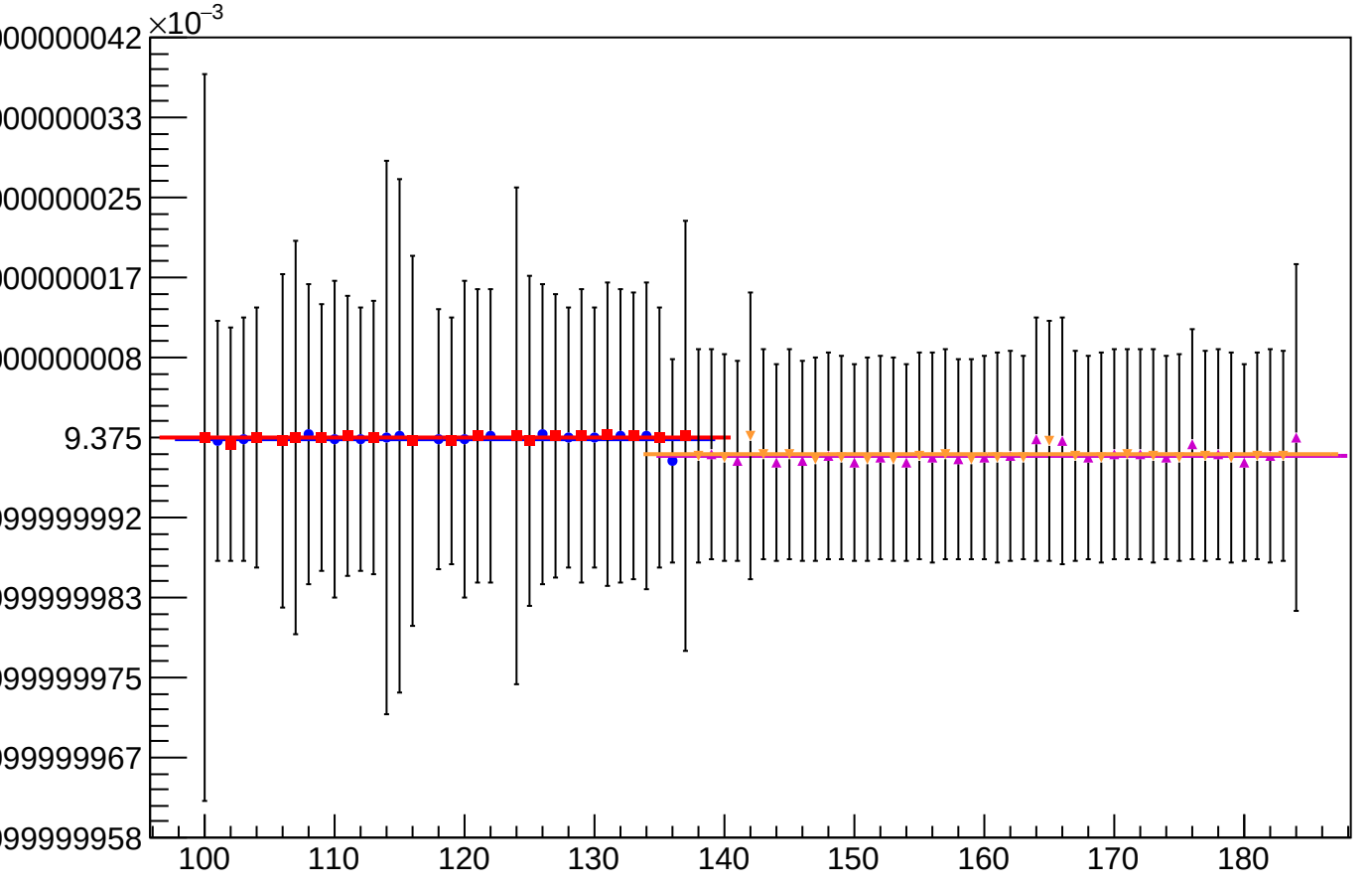
All: 975.151+/-0.000 χ^2/NDF: 29528194412

Right Out: 980.725+/-0.000 χ^2/NDF: 56040205617358336221662876270592.0/18

- sign 969.391+/-0.000 χ^2/NDF: 293531372141374

Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

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

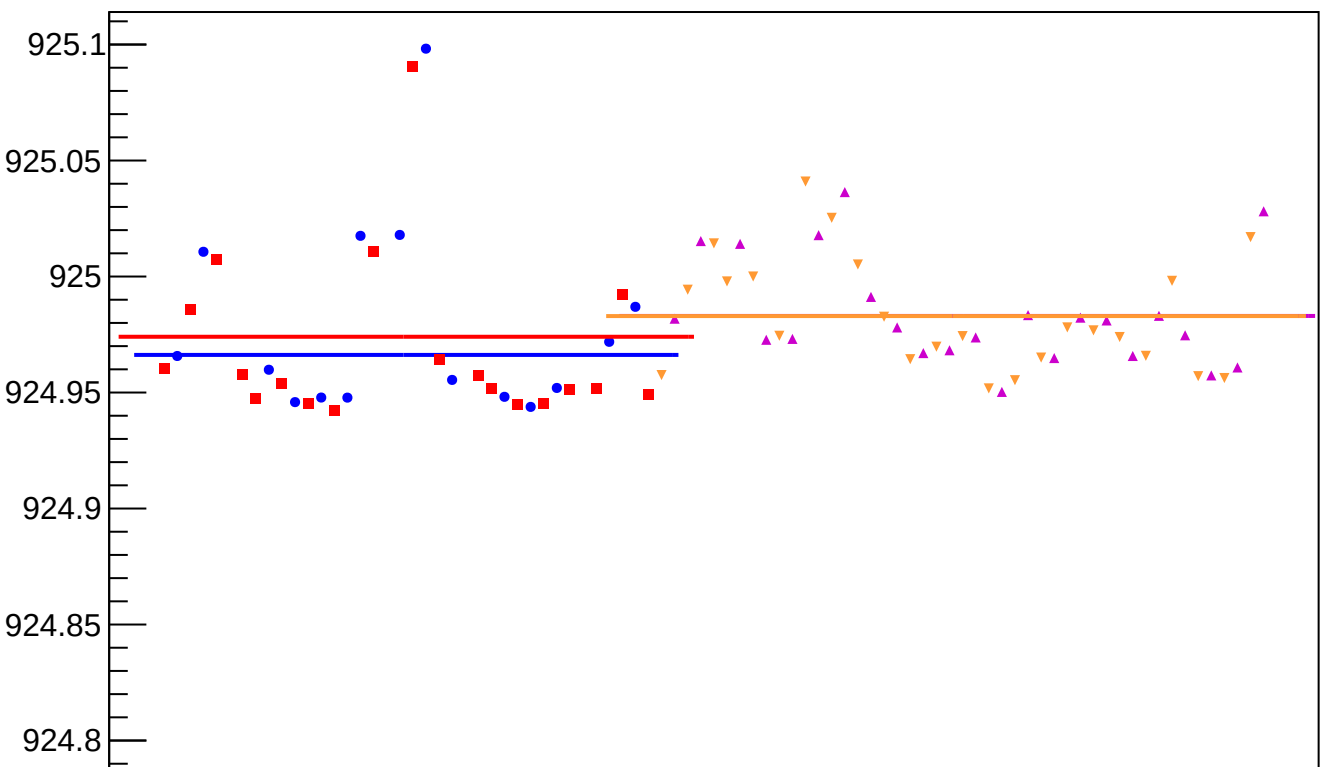
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.6/81

- sign 0.009+/-0.000 χ^2/NDF: 0.3/41

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

+ sign 924.978+/-0.000 χ^2/NDF: 383802883727194

Left Out: 924.983+/-0.000 χ^2/NDF:1142324810783897606099600146432.0/23

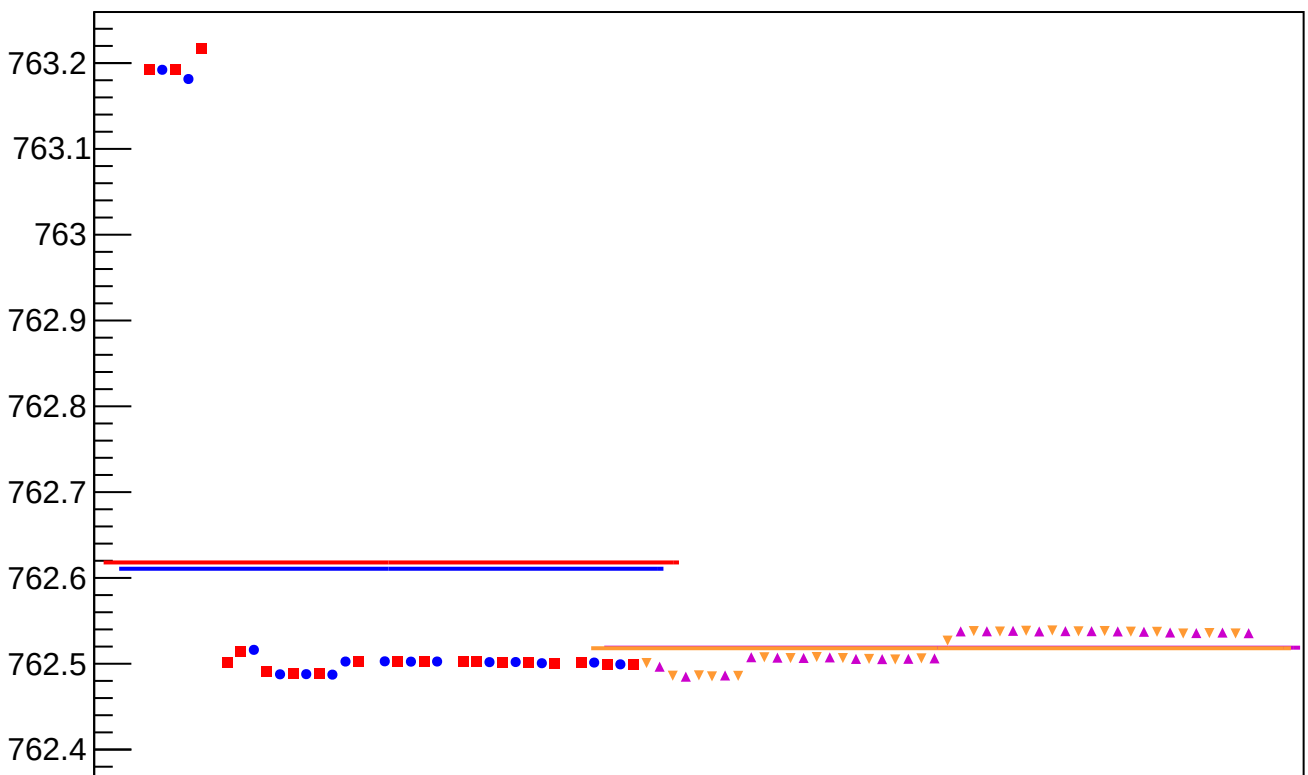
All: 924.979+/-0.000 χ^2/NDF: 60576812881

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

- sign 924.980+/-0.000 χ^2/NDF: 221407330279201

Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.518+/-0.000 χ^2/NDF:760306655191977397488308977664.0/23

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

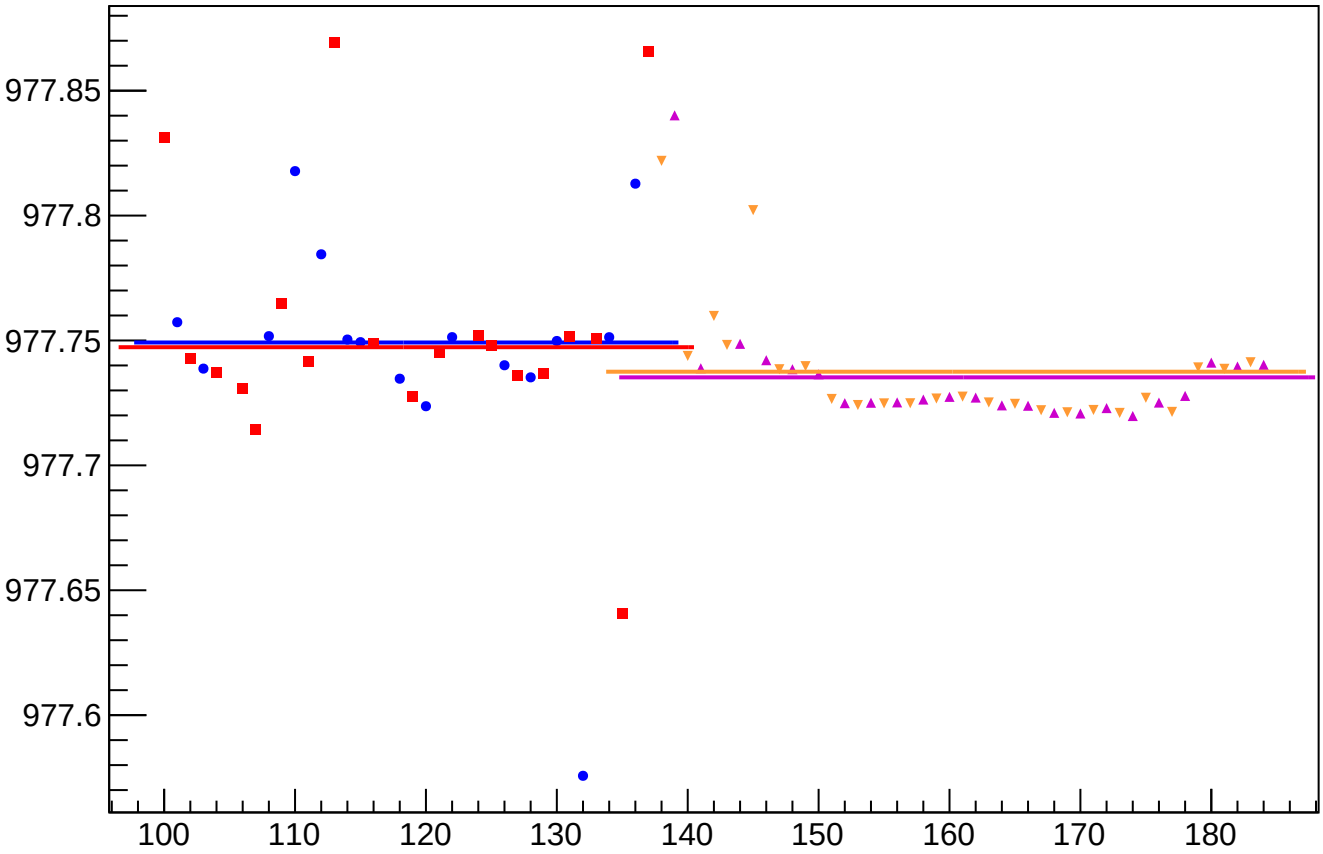
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.543+/-0.000 χ^2/NDF: 575553972286218

All: 762.545+/-0.000 χ^2/NDF: 11675540613

- sign 762.547+/-0.000 χ^2/NDF: 591791313671827

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

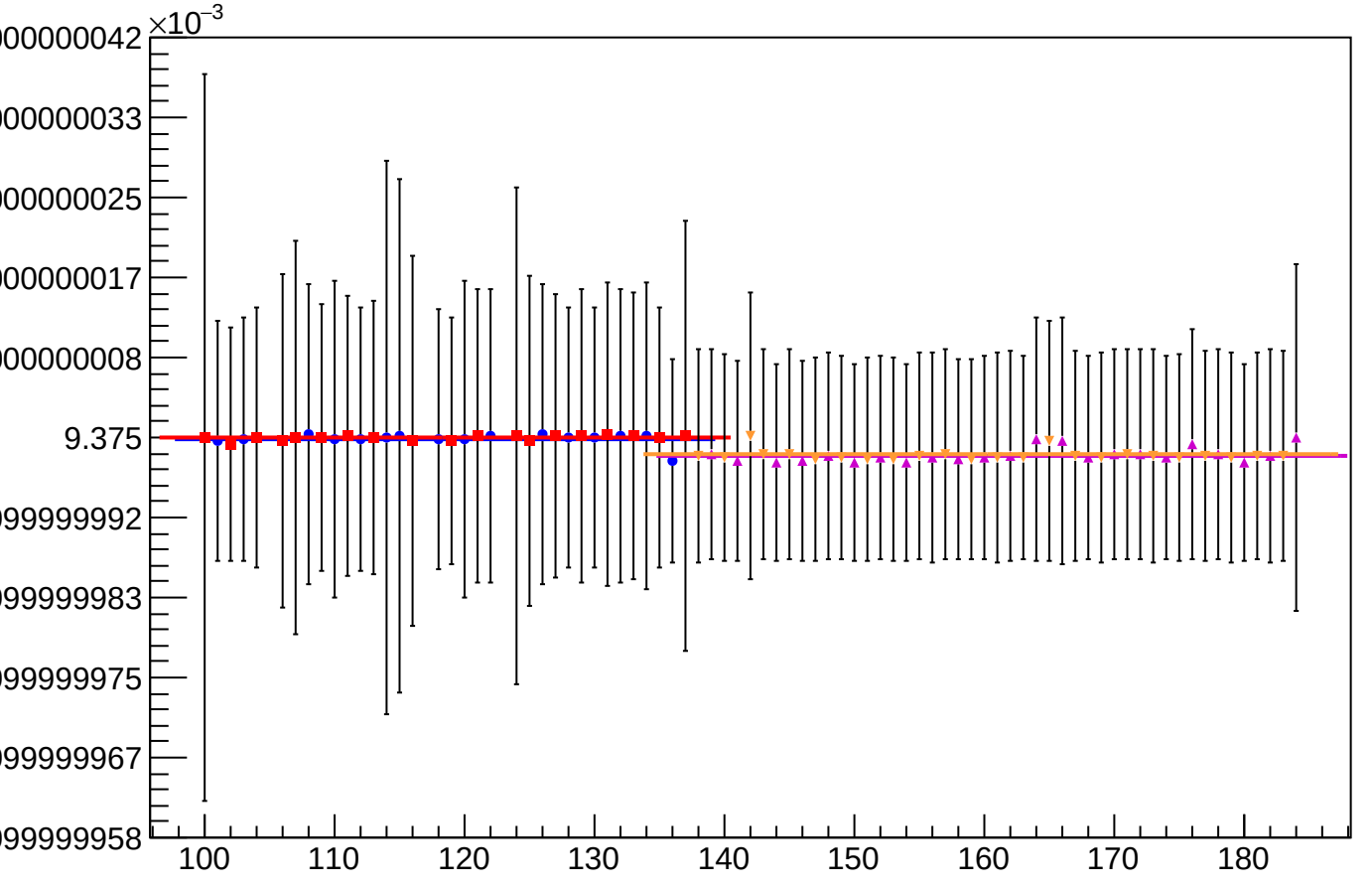
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.741+/-0.000 χ^2/NDF: 321118622684692

All: 977.740+/-0.000 χ^2/NDF: 617487884538

- sign 977.739+/-0.000 χ^2/NDF: 295838311302130

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

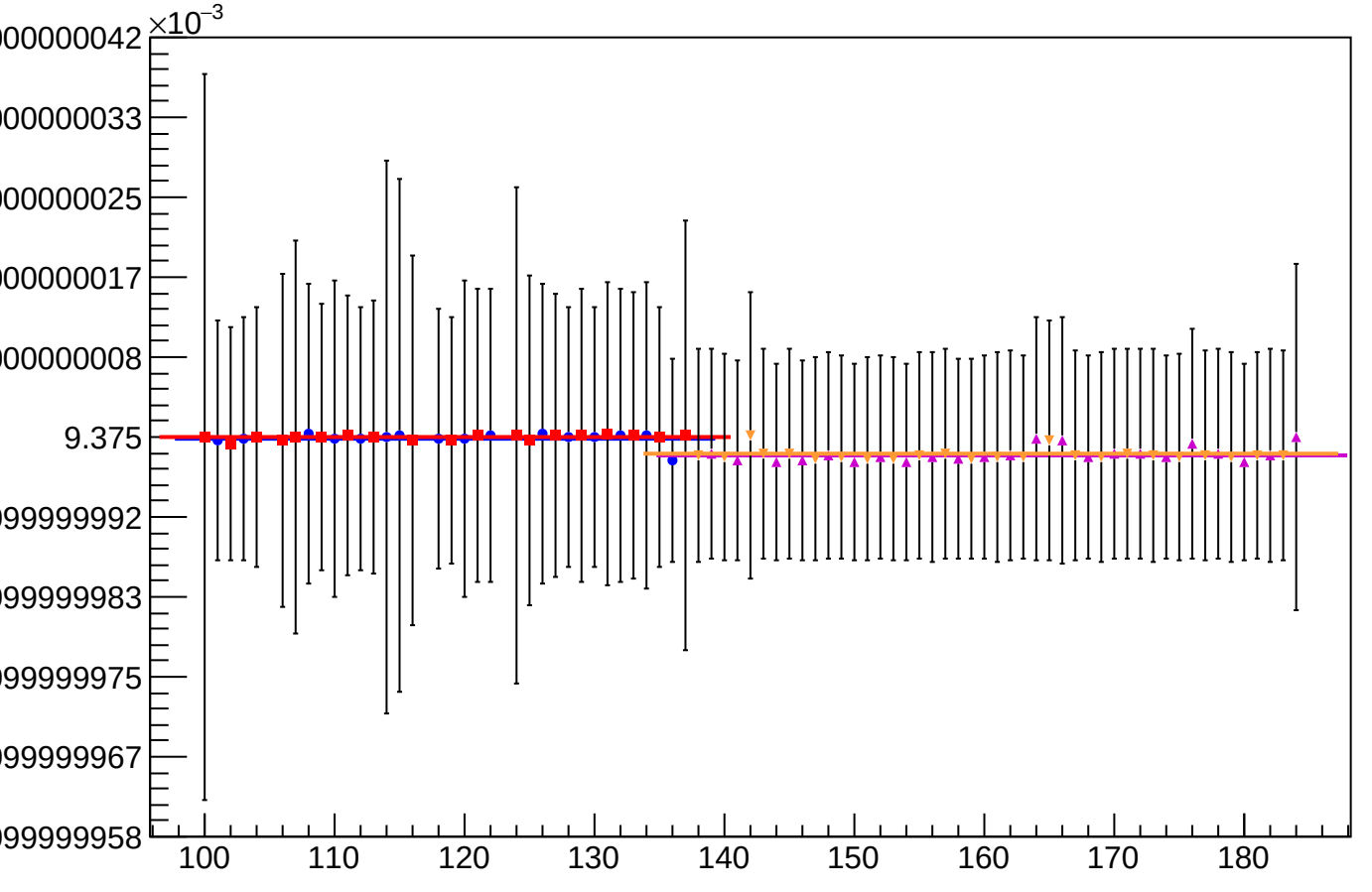
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.6/81

- sign 0.009+/-0.000 χ^2/NDF: 0.3/41

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

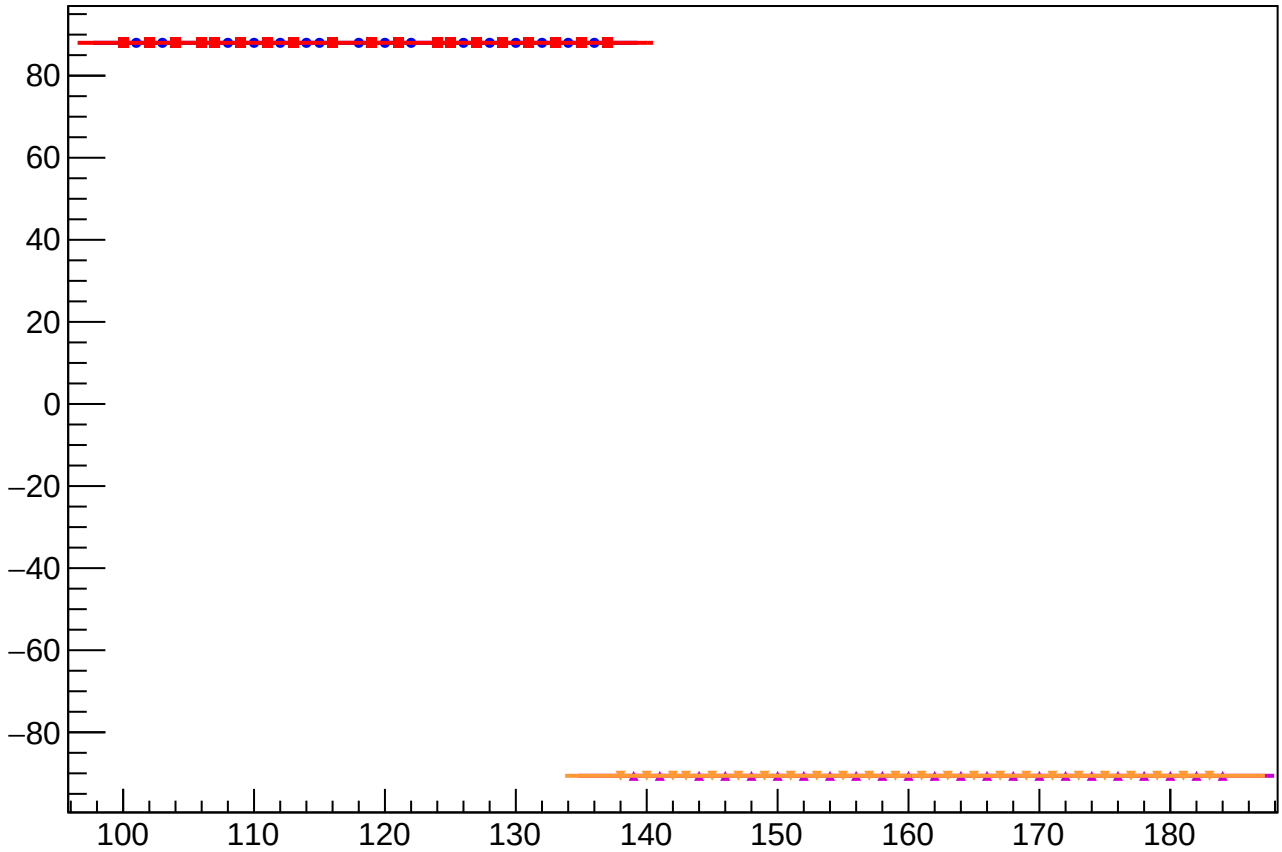
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.6/81

- sign 0.009+/-0.000 χ^2/NDF: 0.3/41

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

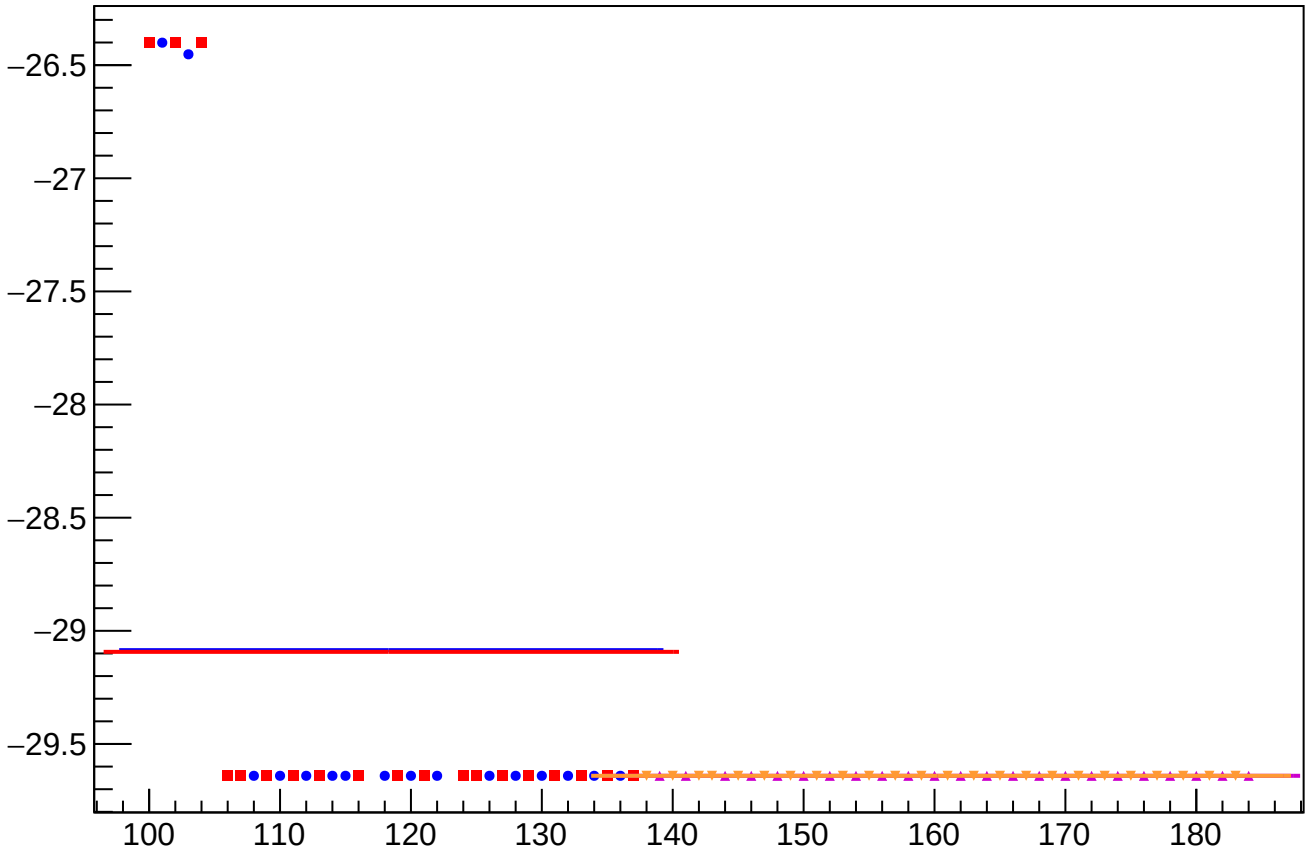
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -42.158+/-0.000 χ^2/NDF: 172254938597217

All: -40.865+/-0.000 χ^2/NDF: 346157419985

- sign -39.541+/-0.000 χ^2/NDF: 1738100641761010



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

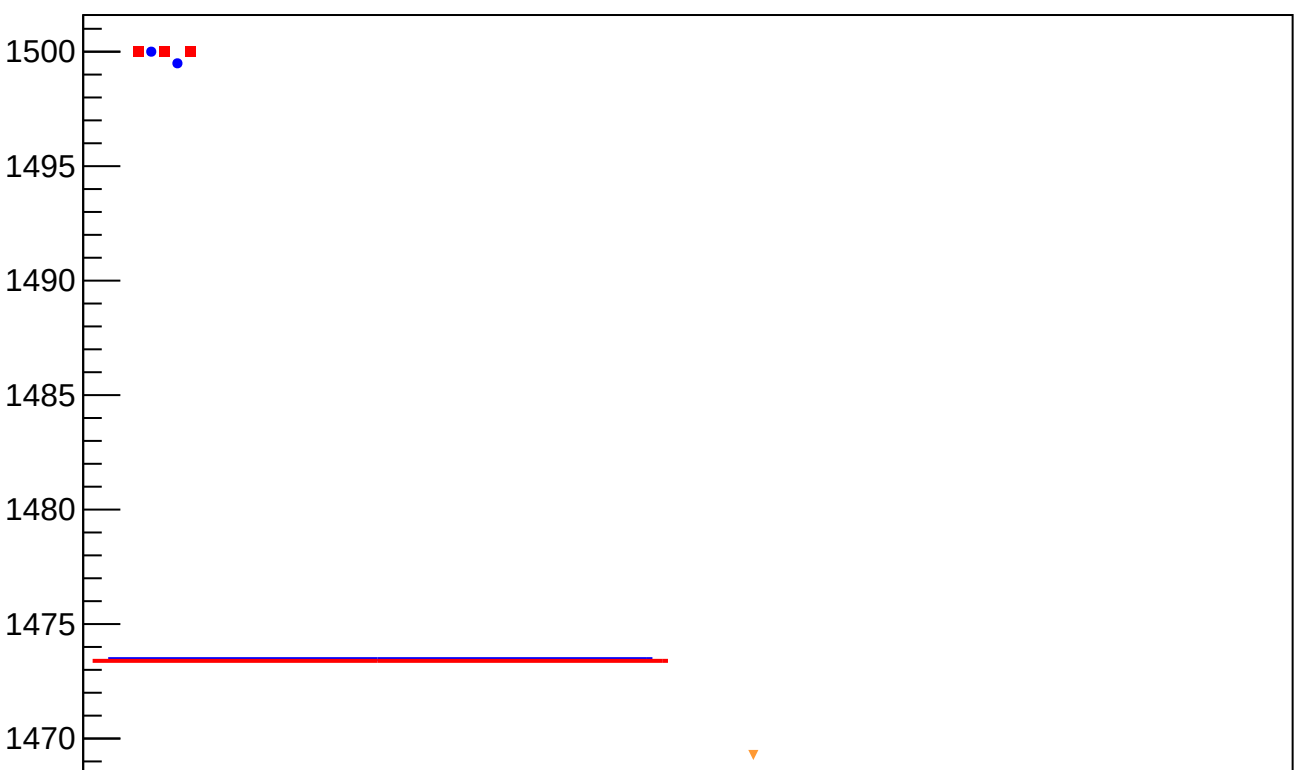
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.490+/-0.000 χ^2/NDF: 126088919548210

All: -29.487+/-0.000 χ^2/NDF: 254967623316

- sign -29.484+/-0.000 χ^2/NDF: 128873870962906



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1469.520+/-0.000 χ^2/NDF: 12287524530902

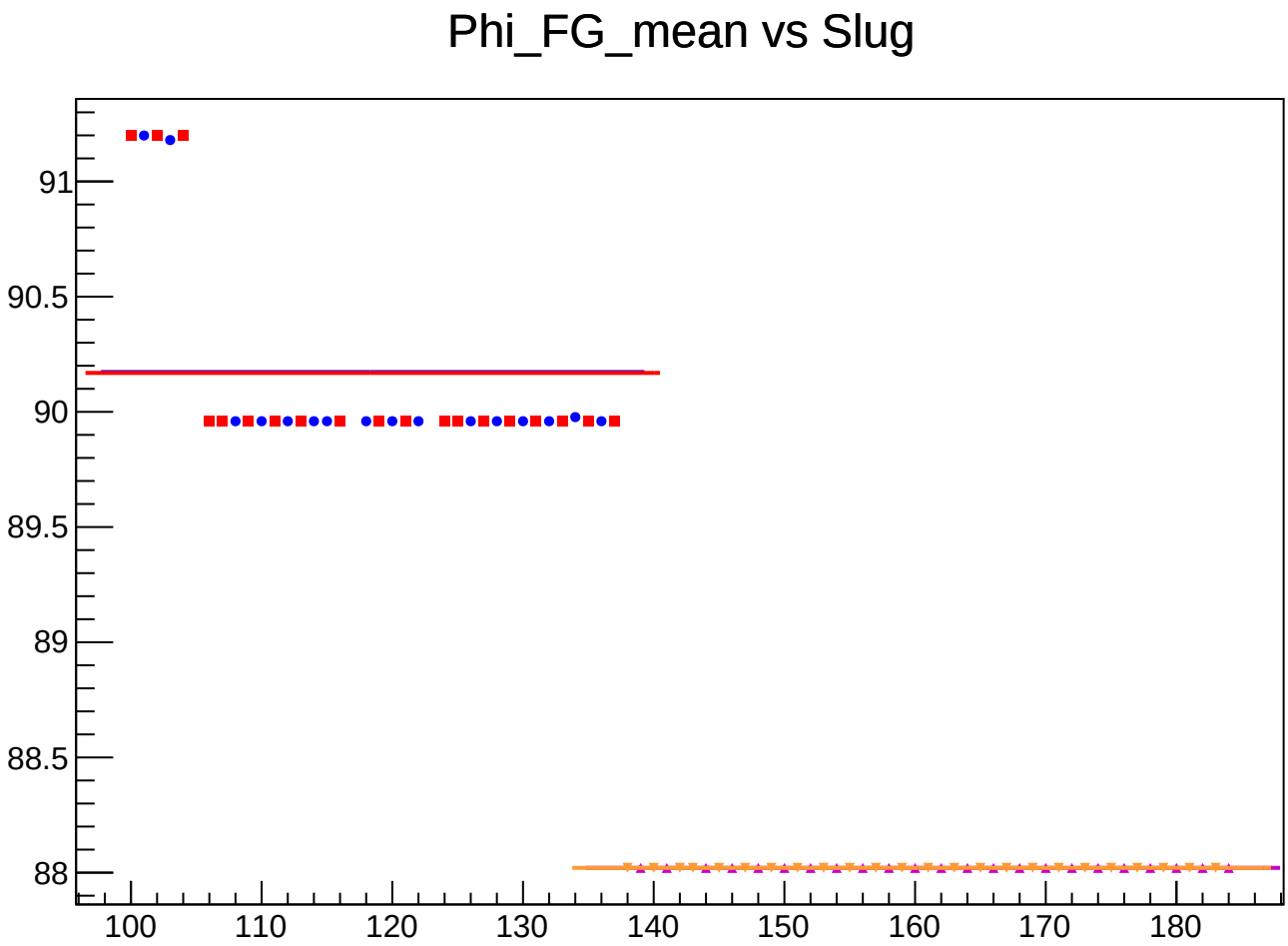
Left Out: 1468.051+/-0.000 χ^2/NDF:139486331224158694564705909866496.0/23

All: 1469.529+/-0.000 χ^2/NDF: 2486712670

Right Out: 1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

- sign 1469.537+/-0.000 χ^2/NDF: 12579563601162

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



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

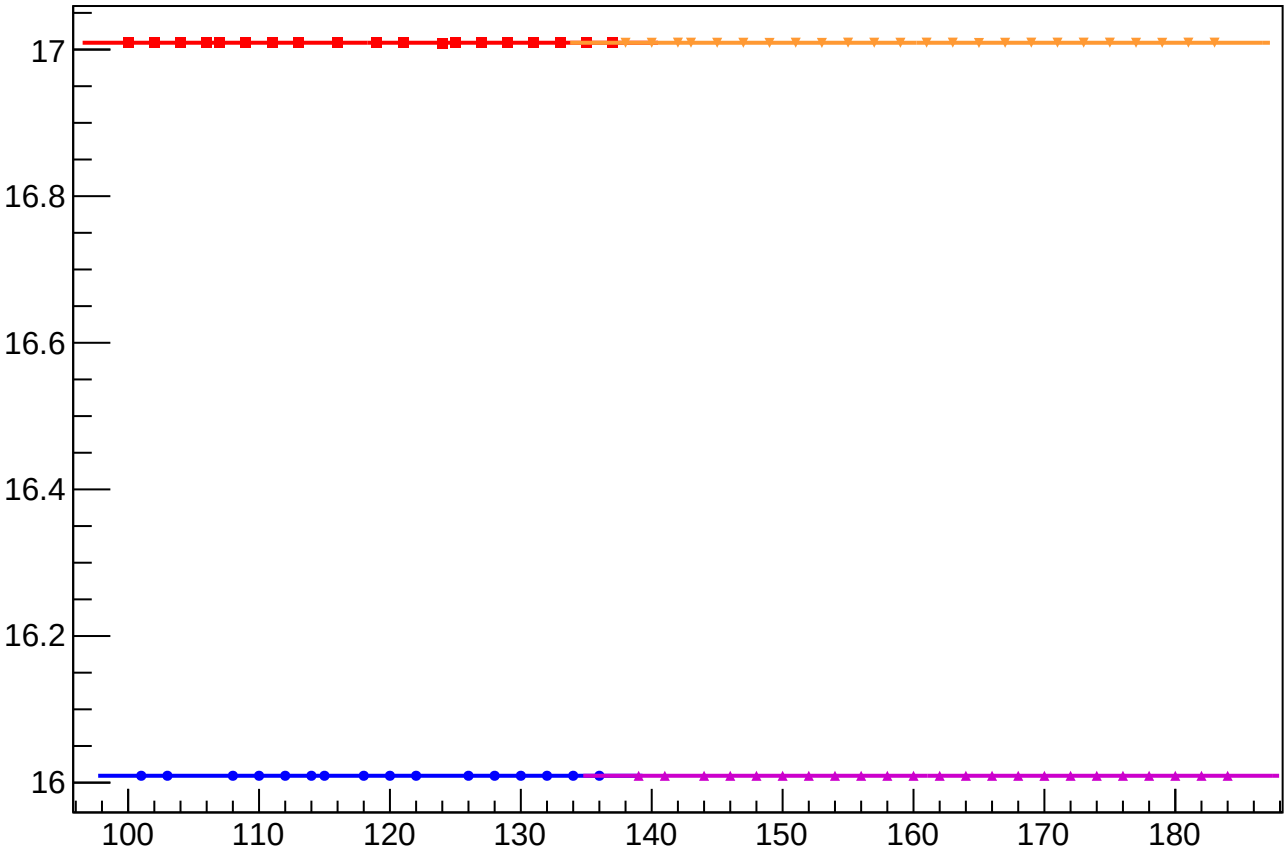
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.604+/-0.000 χ^2/NDF: 2661018567912115

All: 88.619+/-0.000 χ^2/NDF: 534165776651

- sign 88.635+/-0.000 χ^2/NDF: 2679389348662284

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

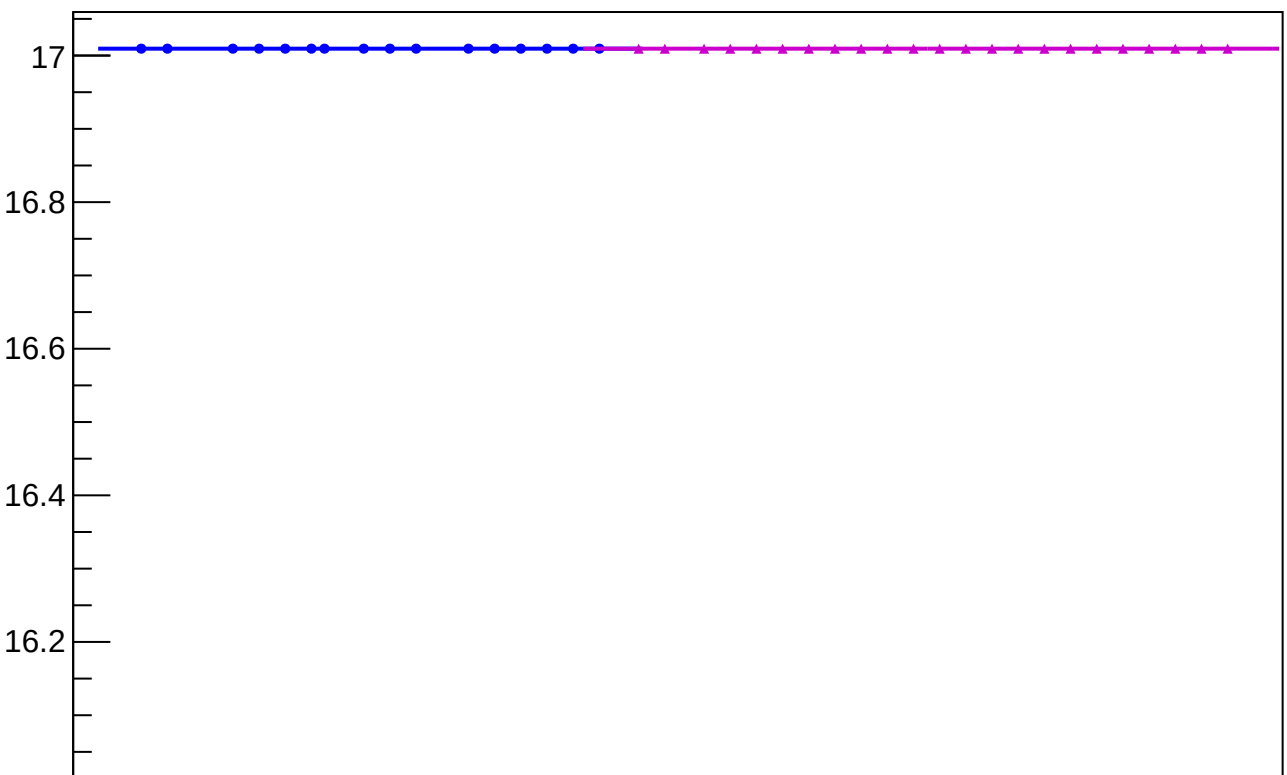
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.734+/-0.000 χ^2/NDF: 5084022424930936

All: 16.516+/-0.000 χ^2/NDF: 125176402466

- sign 16.291+/-0.000 χ^2/NDF: 4978473803052850

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

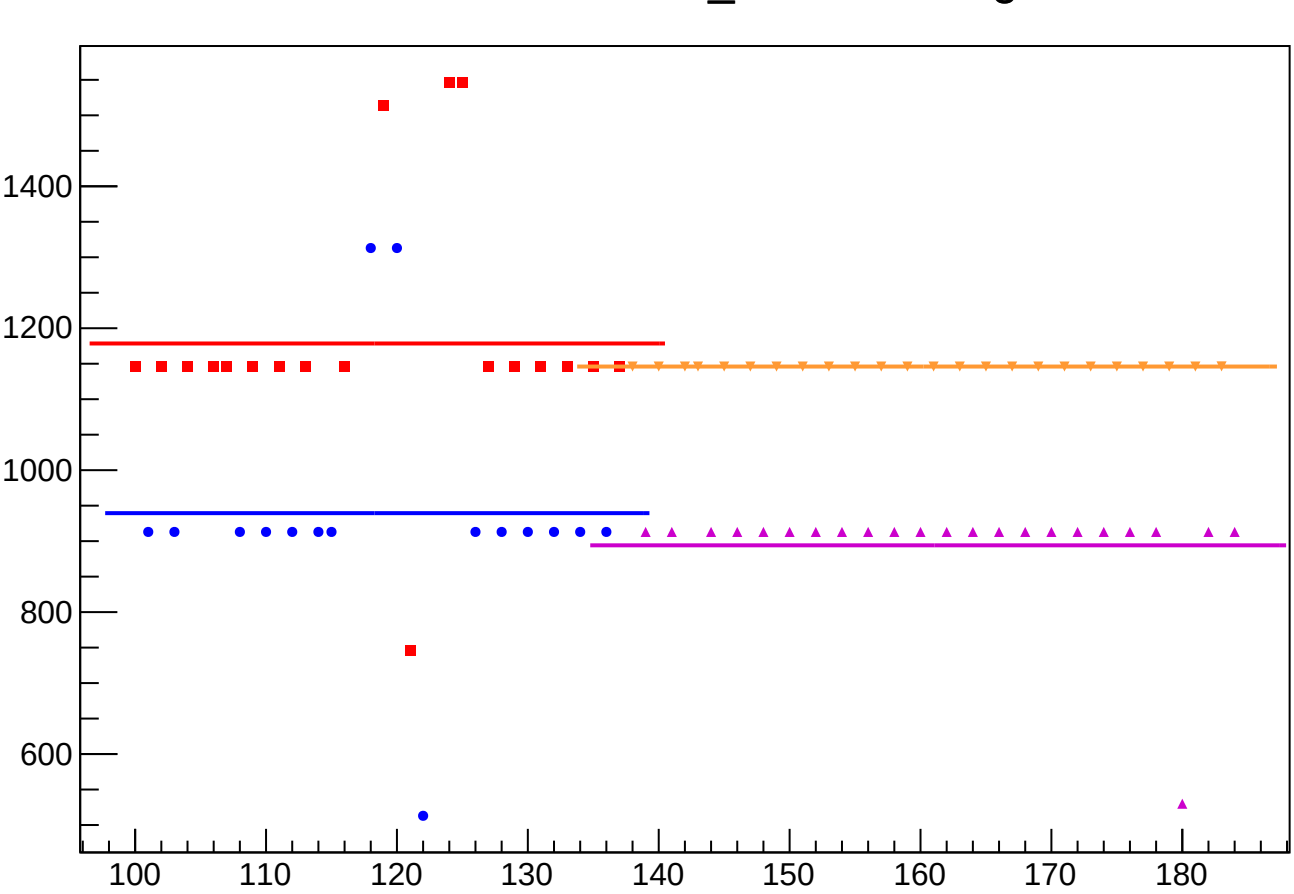
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.274+/-0.000 χ^2/NDF: 5199390349421483

All: 16.495+/-0.000 χ^2/NDF: 1321597280207

- sign 16.720+/-0.000 χ^2/NDF: 5390359895168382



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

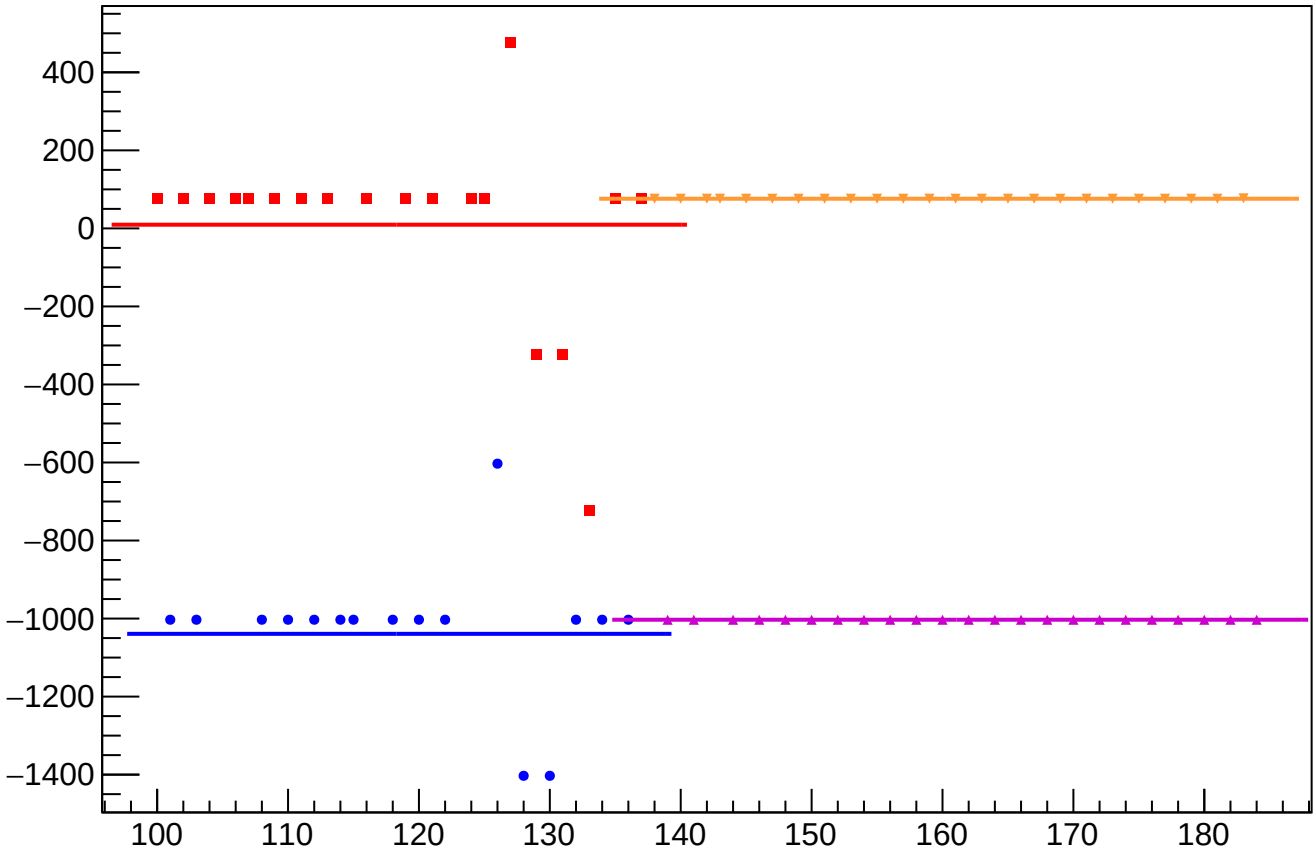
All: 1033.370+/-0.000 χ^2/NDF: 1411722519

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 975.412+/-0.000 χ^2/NDF: 793209056765359

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

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

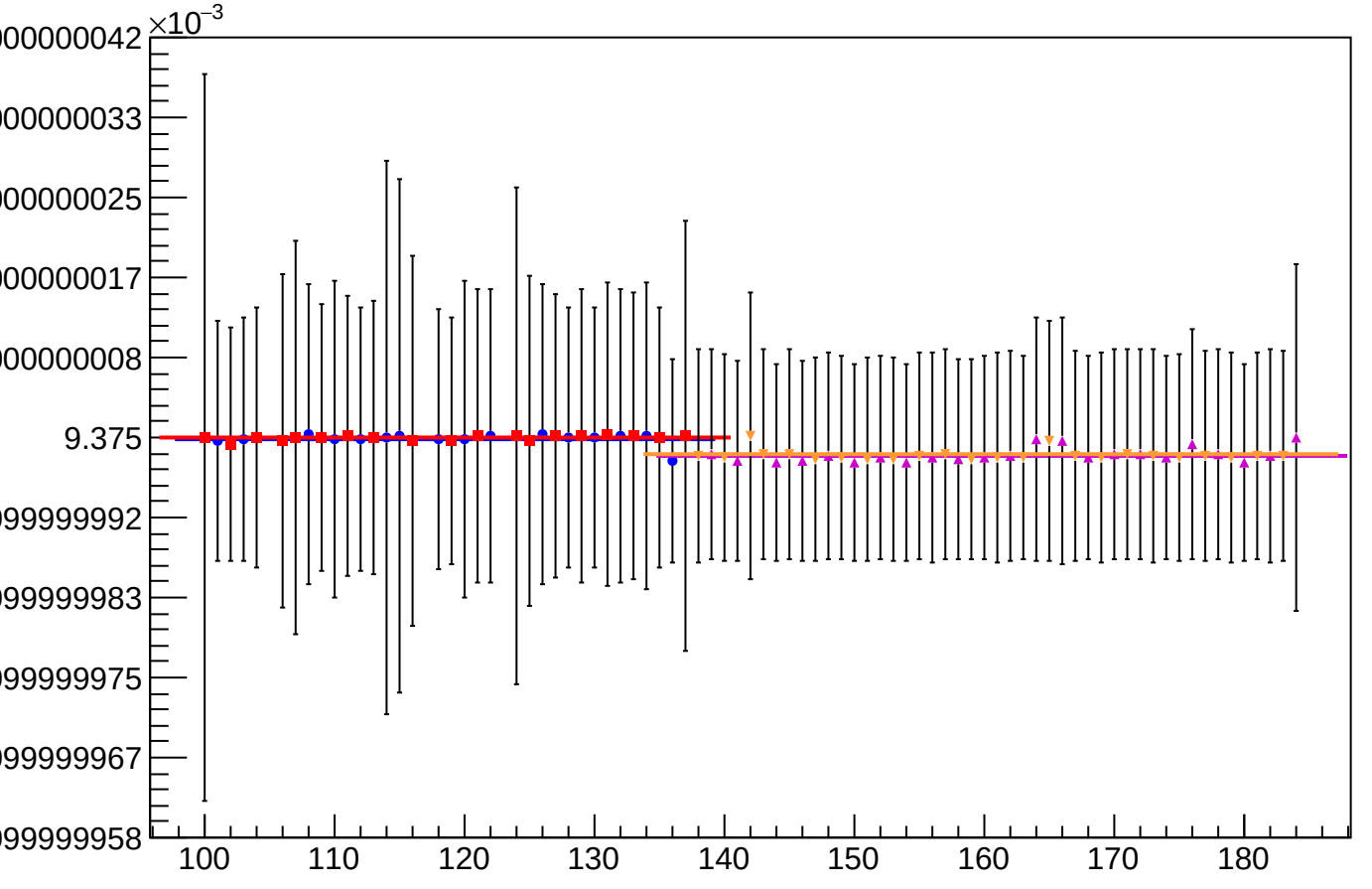
All: -467.154+/-0.000 χ^2/NDF: 1619418627 8

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409 92.0/18

- sign -713.565+/-0.000 χ^2/NDF: 604553308061720

Left In: -1002.990+/-0.000 χ^2/NDF:295195590334831475309726924 8.0/22

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

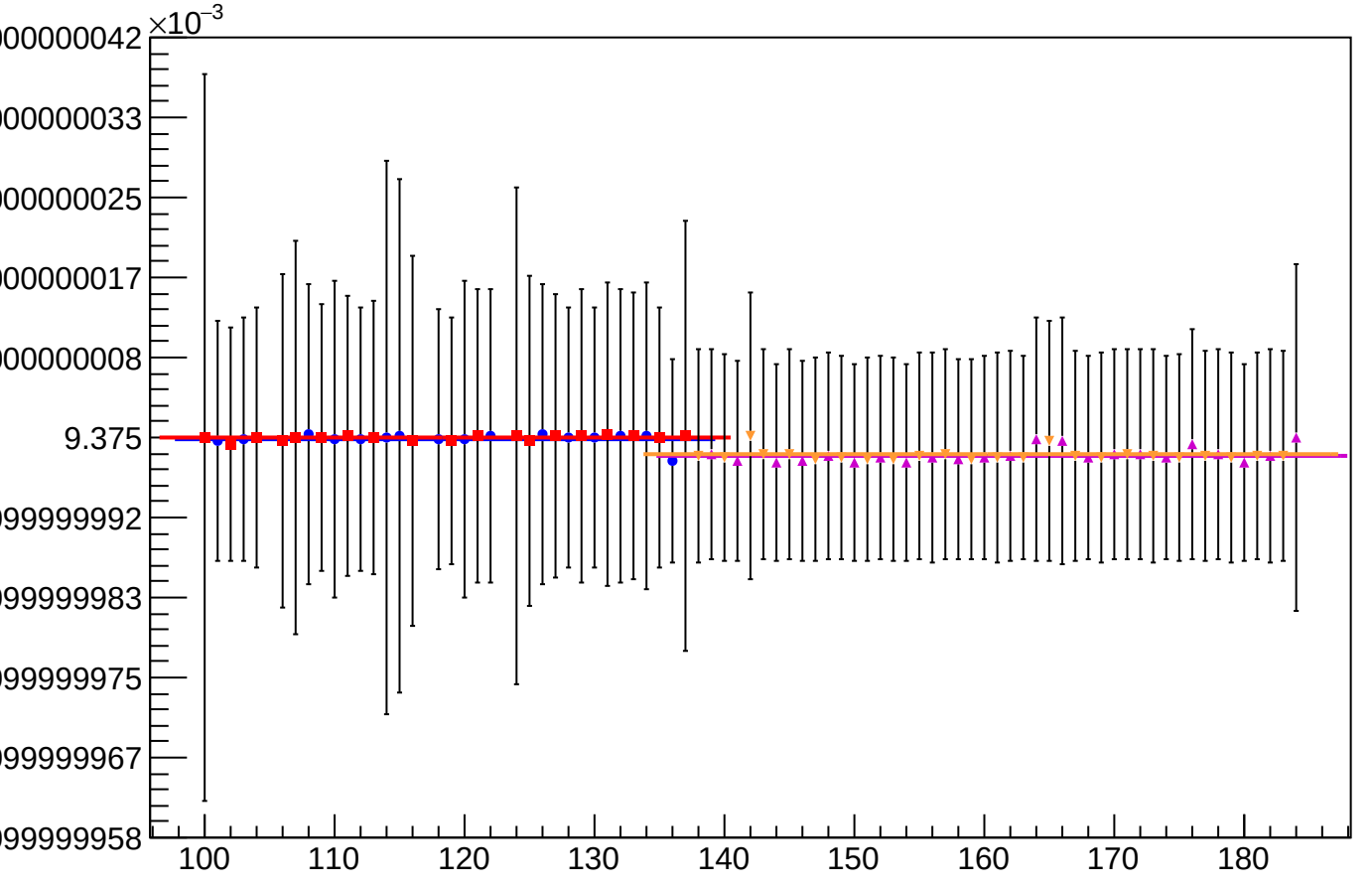
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.6/81

- sign 0.009+/-0.000 χ^2/NDF: 0.3/41

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:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/39

All: 0.009+/-0.000 χ^2/NDF: 0.6/81

- sign 0.009+/-0.000 χ^2/NDF: 0.3/41