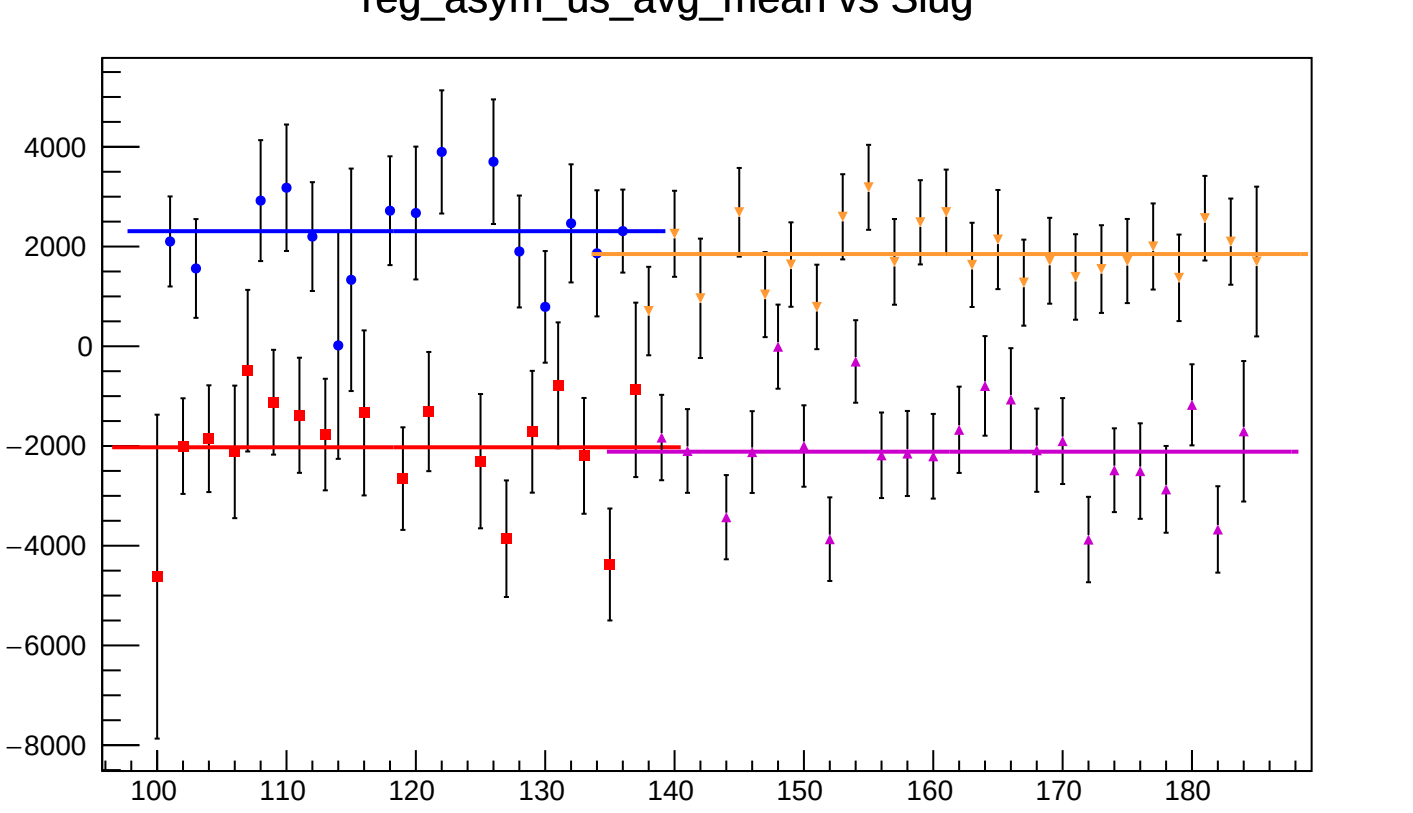


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

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

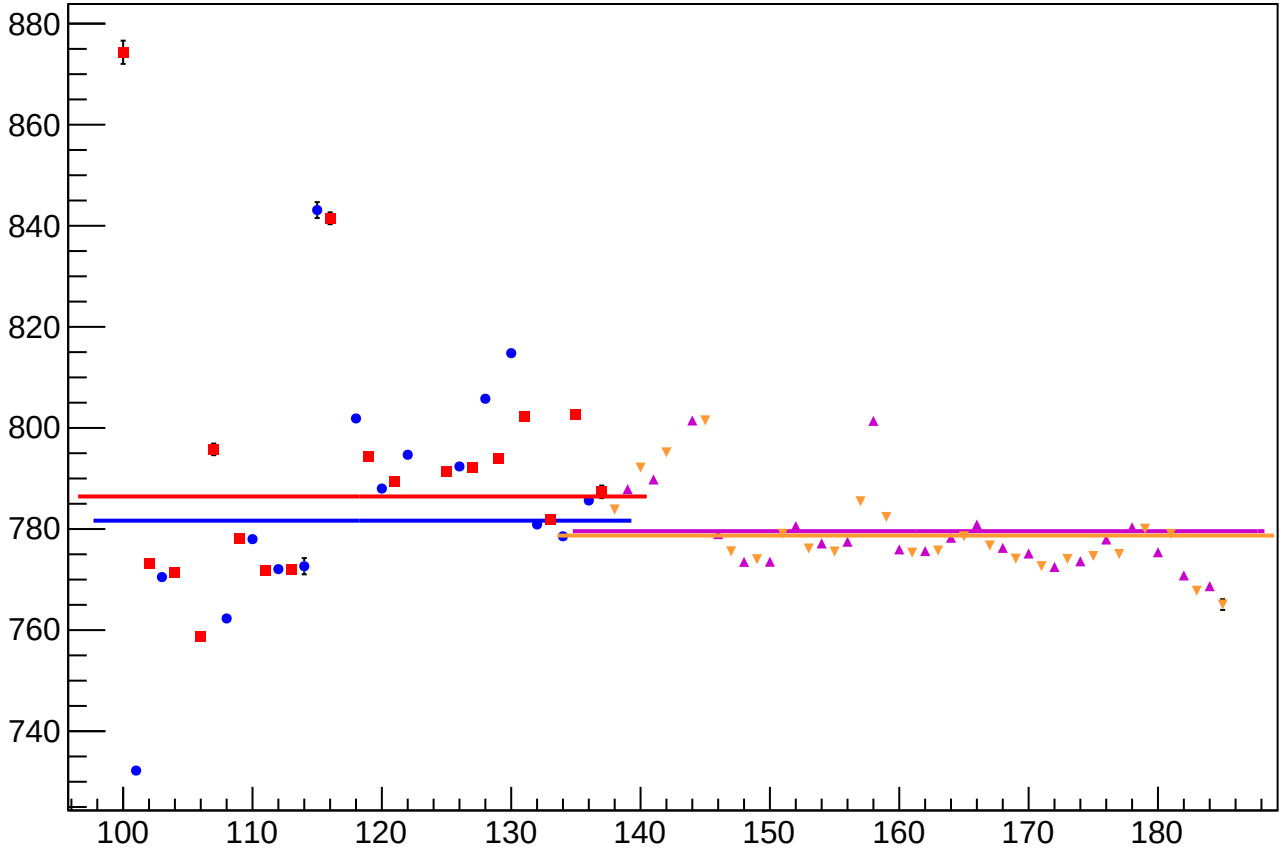
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1977.605+/-153.452 χ^2/NDF: 22.4/39

All: -46.719+/-108.750 χ^2/NDF: 415.2/80

- 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: 778.708+/-0.128 χ^2/NDF:3389.8/23

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

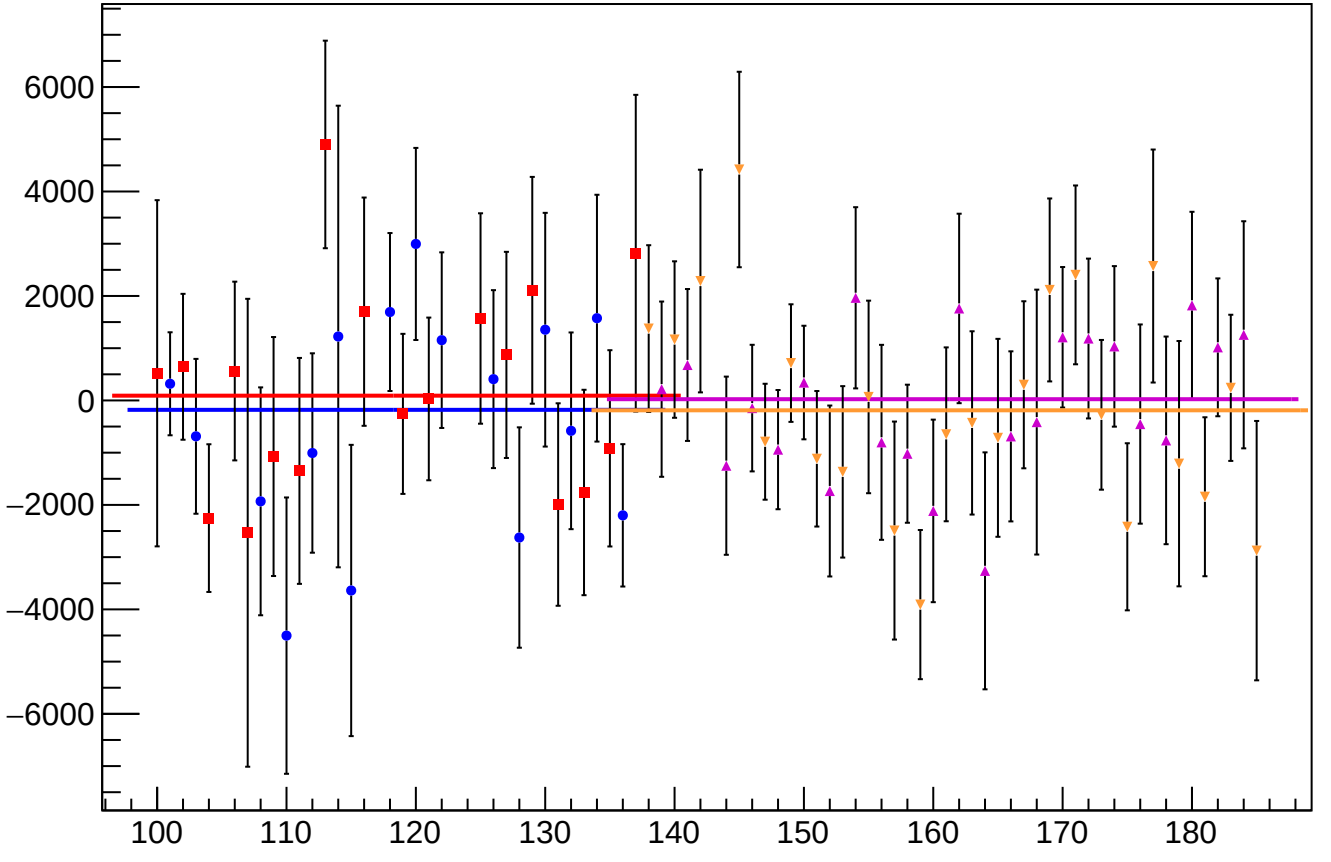
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

\+ sign 779.531+/-0.109 χ^2/NDF: 15857.1/39

All: 780.520+/-0.077 χ^2/NDF: 28204.2/80

\- 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: -189.006+/-327.675 χ^2/NDF:29.6/23

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

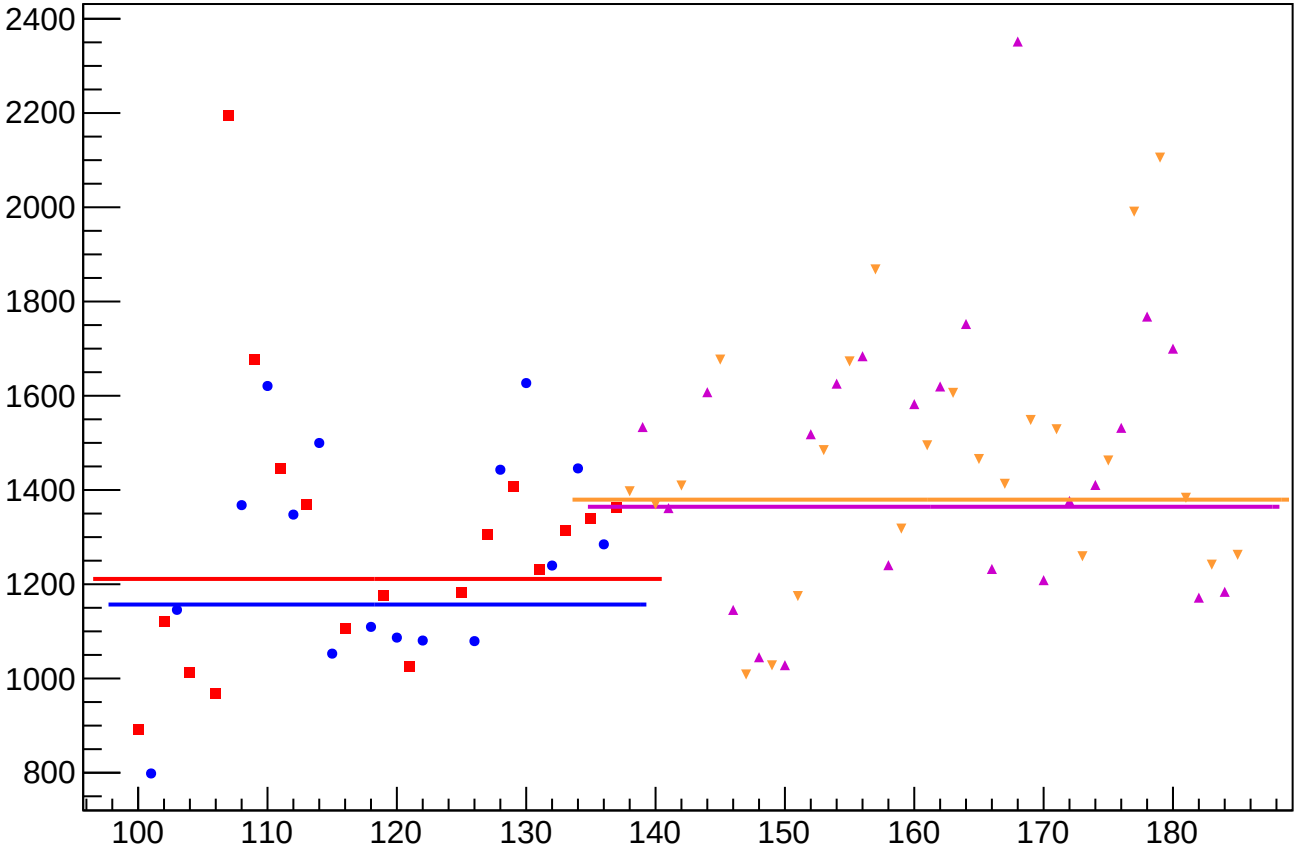
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -185.775+/-262.969 χ^2/NDF: 45.0/39

All: -70.393+/-186.613 χ^2/NDF: 74.0/80

- 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: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

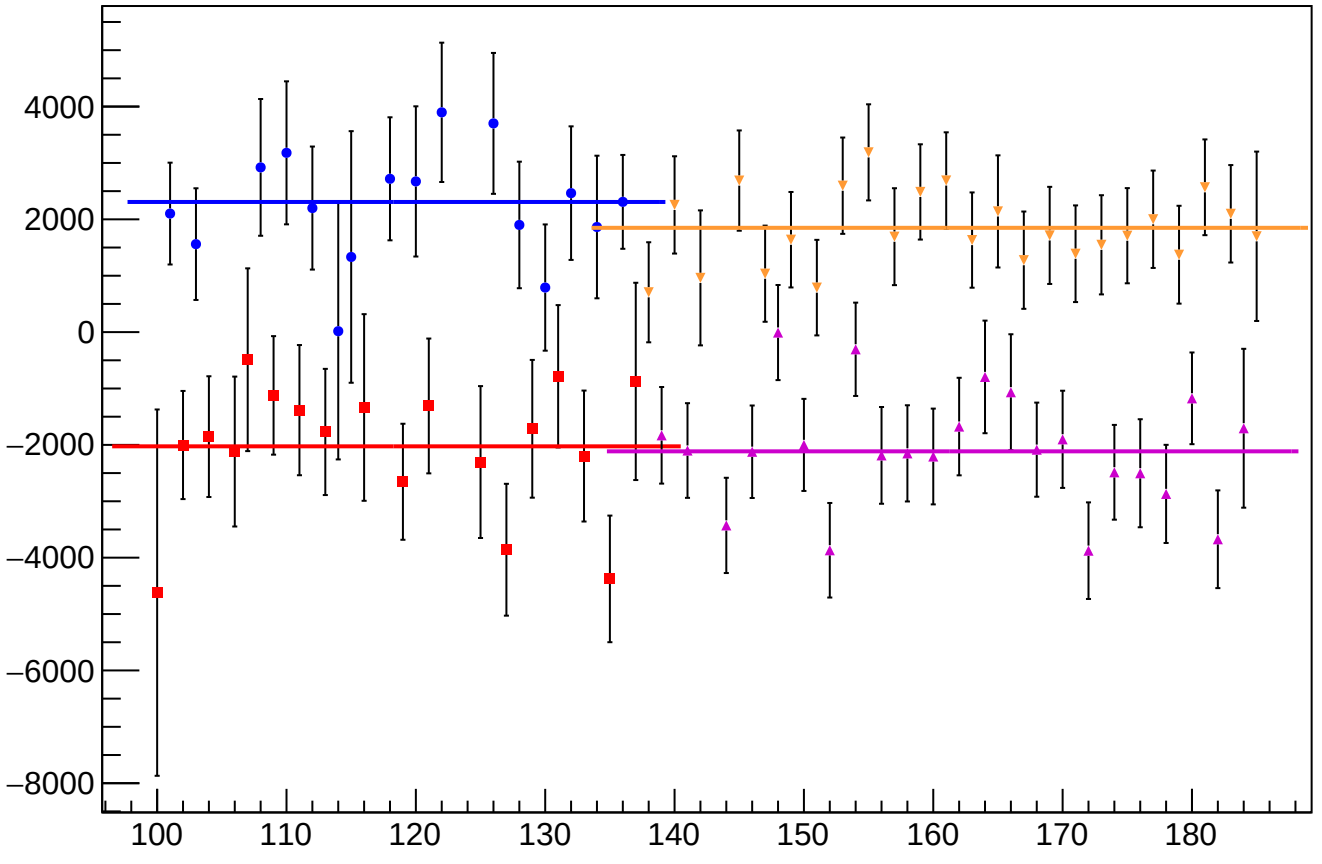
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

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

+ sign 1300.307+/-0.186 χ^2/NDF: 2056083.9/39

All: 1306.347+/-0.132 χ^2/NDF: 3918088.8/80

- 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: 1849.592+/-180.739 χ^2/NDF:12.8/23

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

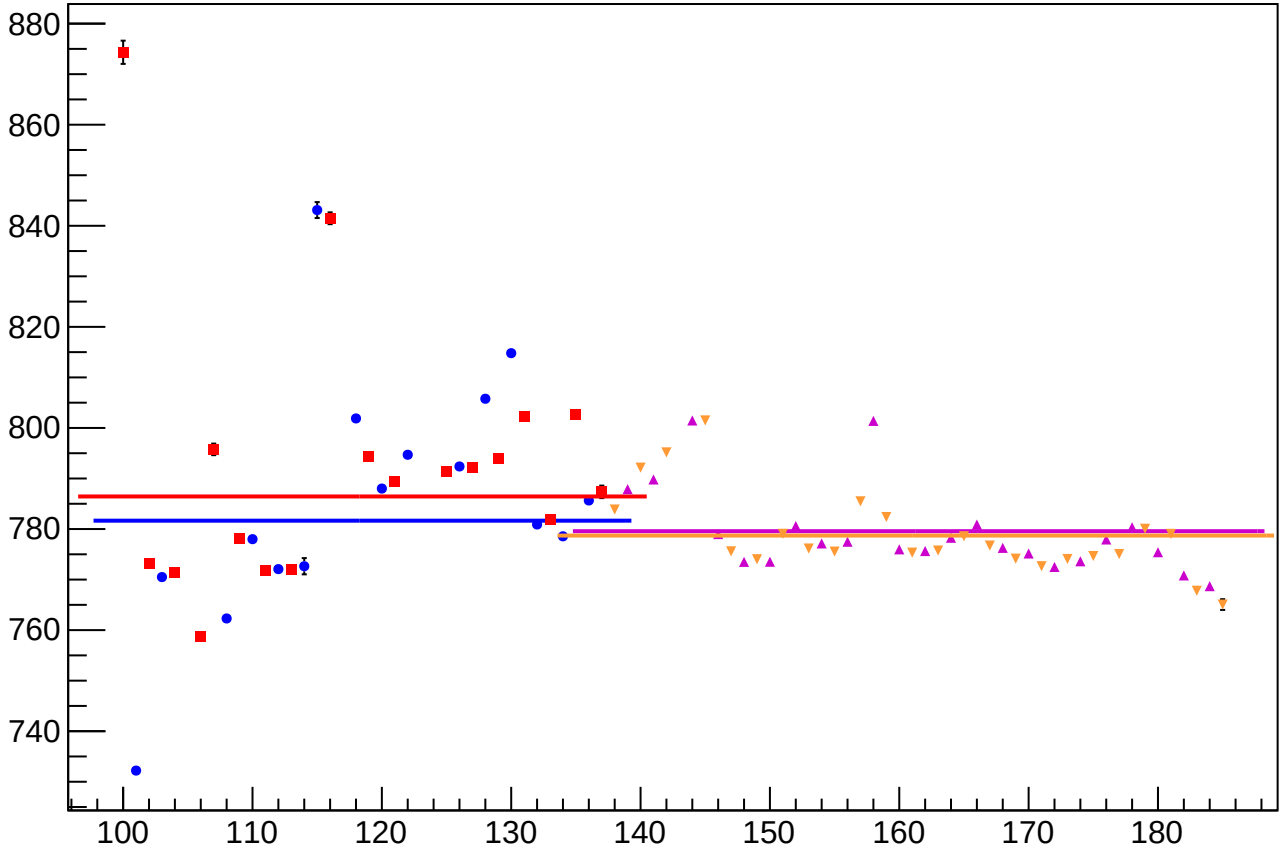
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1977.605+/-153.452 χ^2/NDF: 22.4/39

All: -46.719+/-108.750 χ^2/NDF: 415.2/80

- 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: 778.708+/-0.128 χ^2/NDF:3389.8/23

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

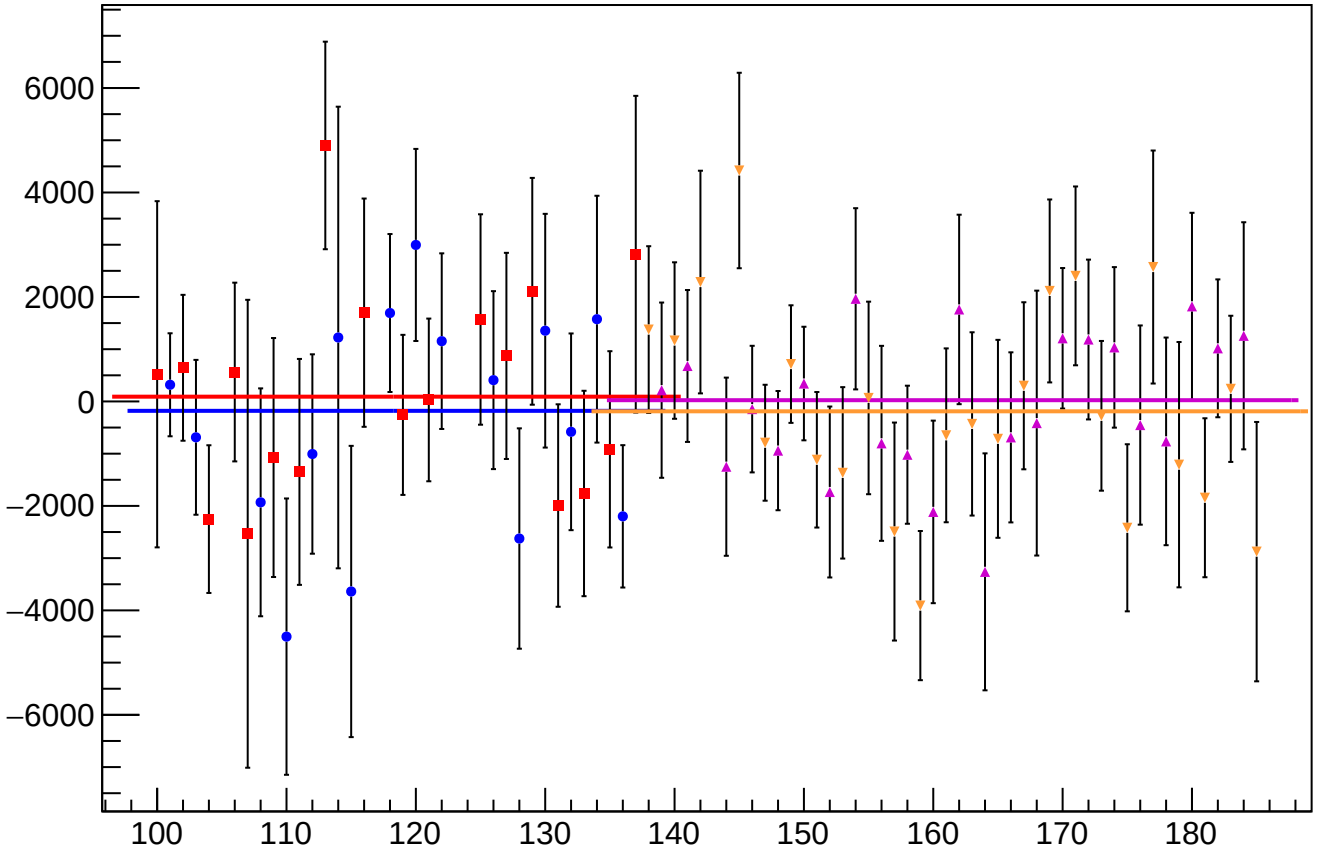
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

\+ sign 779.531+/-0.109 χ^2/NDF: 15857.1/39

All: 780.520+/-0.077 χ^2/NDF: 28204.2/80

\- 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: -189.006+/-327.675 χ^2/NDF:29.6/23

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

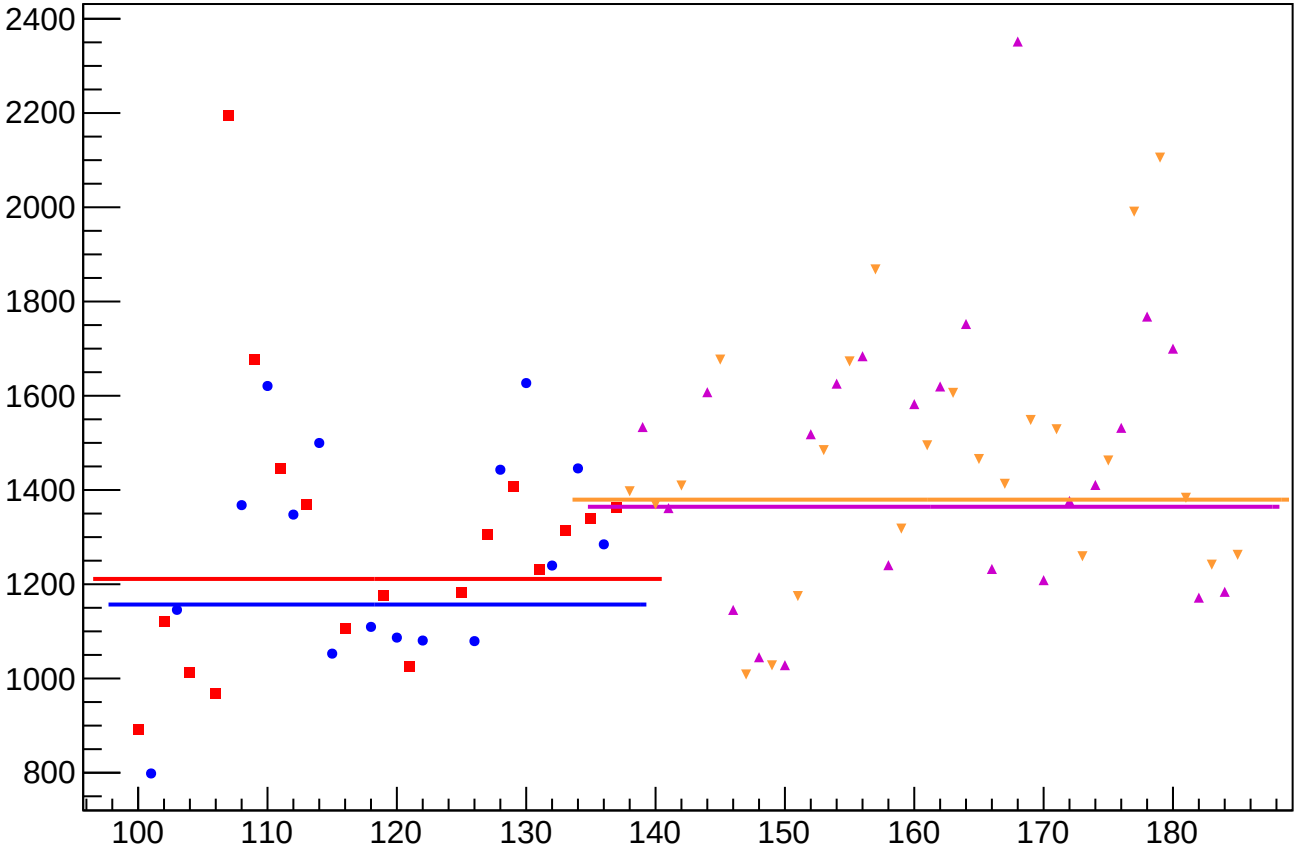
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -185.775+/-262.969 χ^2/NDF: 45.0/39

All: -70.393+/-186.613 χ^2/NDF: 74.0/80

- 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: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

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

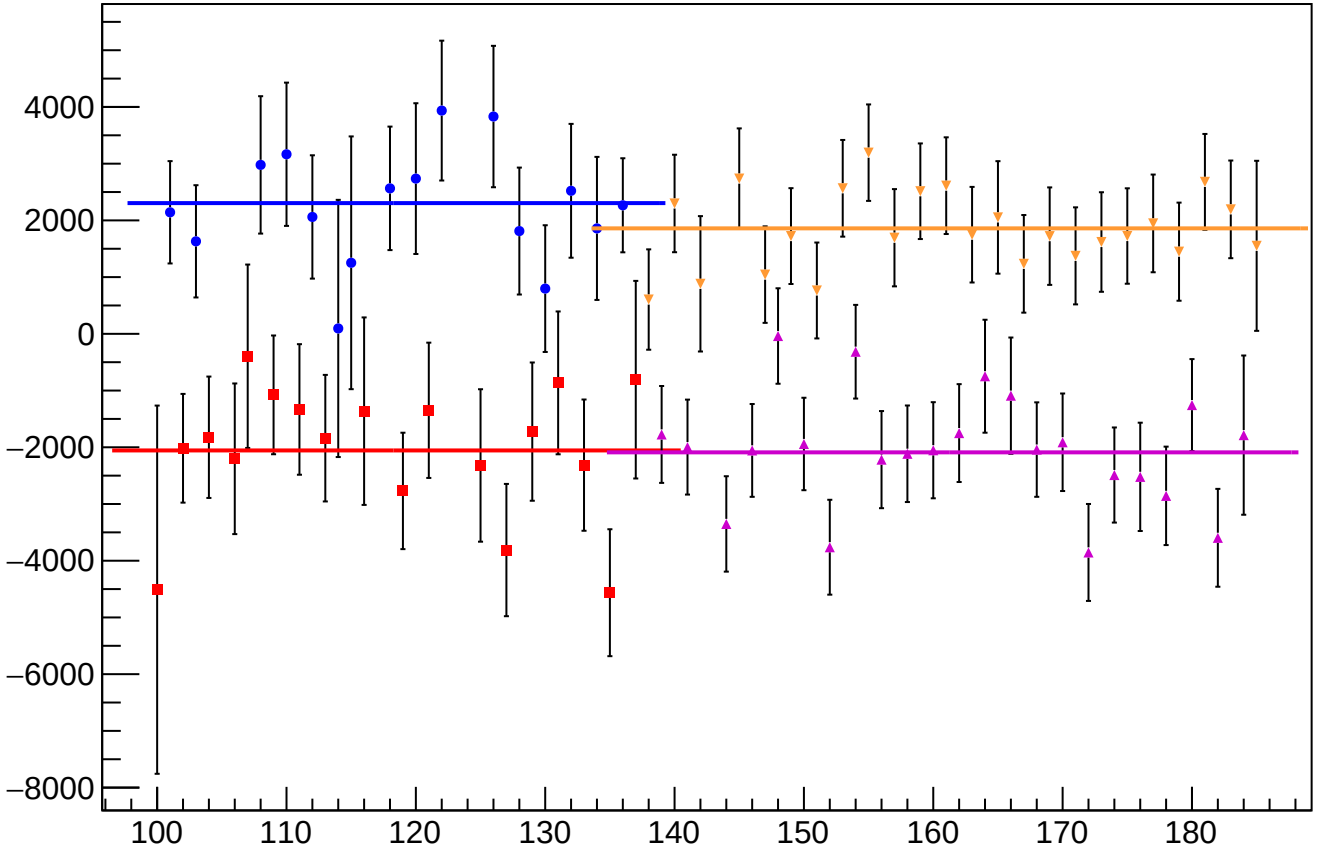
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1300.307+/-0.186 χ^2/NDF: 2056083.9/39

All: 1306.347+/-0.132 χ^2/NDF: 3918088.8/80

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

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1859.528+/-180.231 χ^2/NDF:13.5/23

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

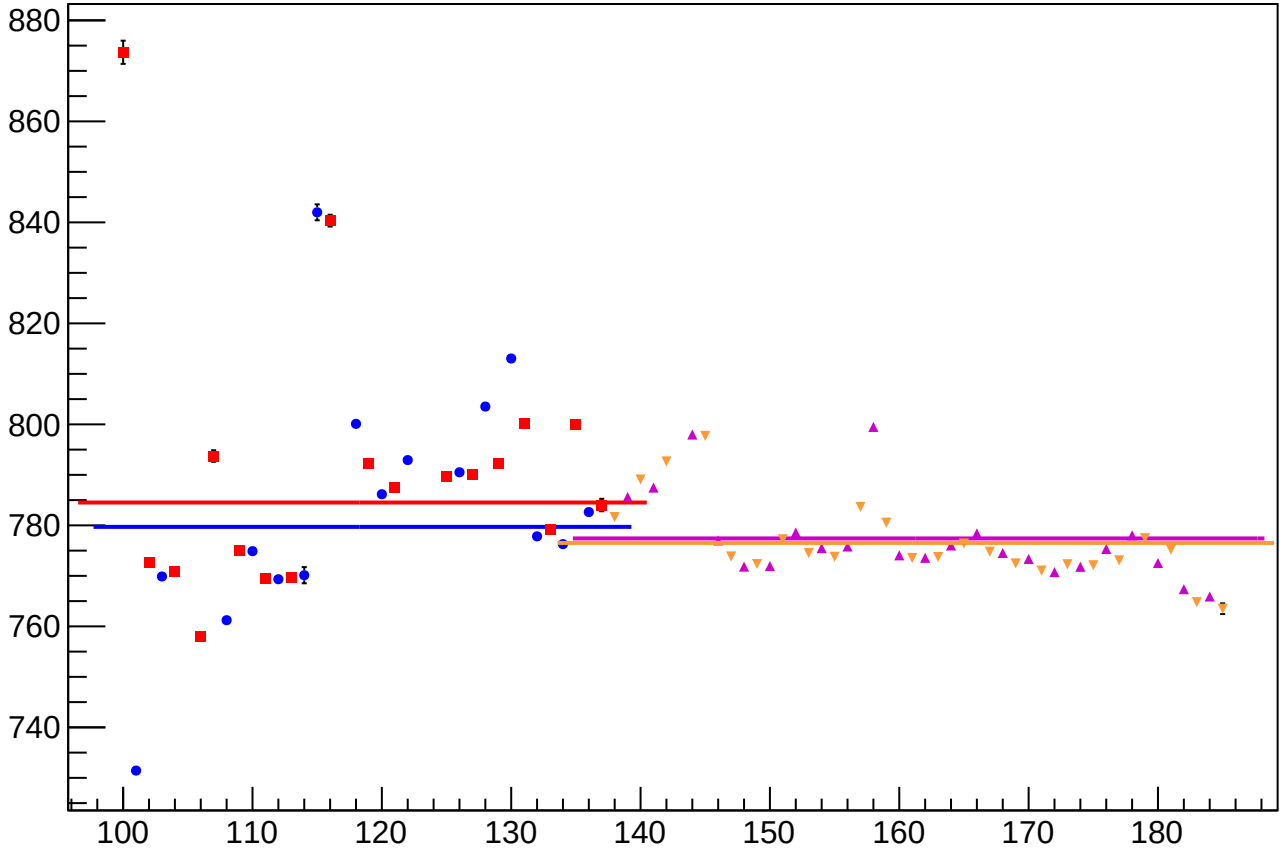
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 1983.790+/-153.033 χ^2/NDF: 23.3/39

All: -38.843+/-108.456 χ^2/NDF: 416.8/80

- 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: 776.523+/-0.127 χ^2/NDF:3137.1/23

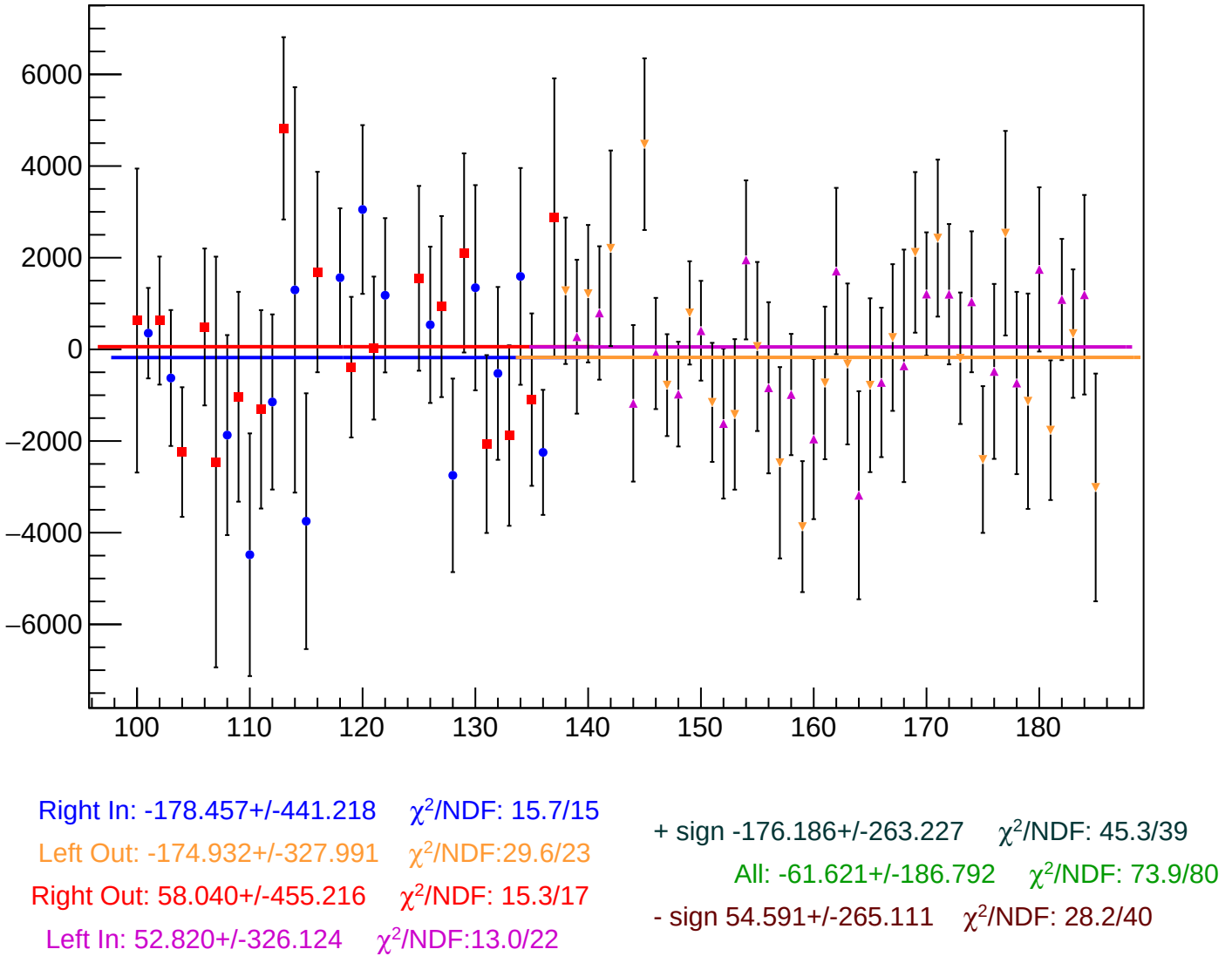
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

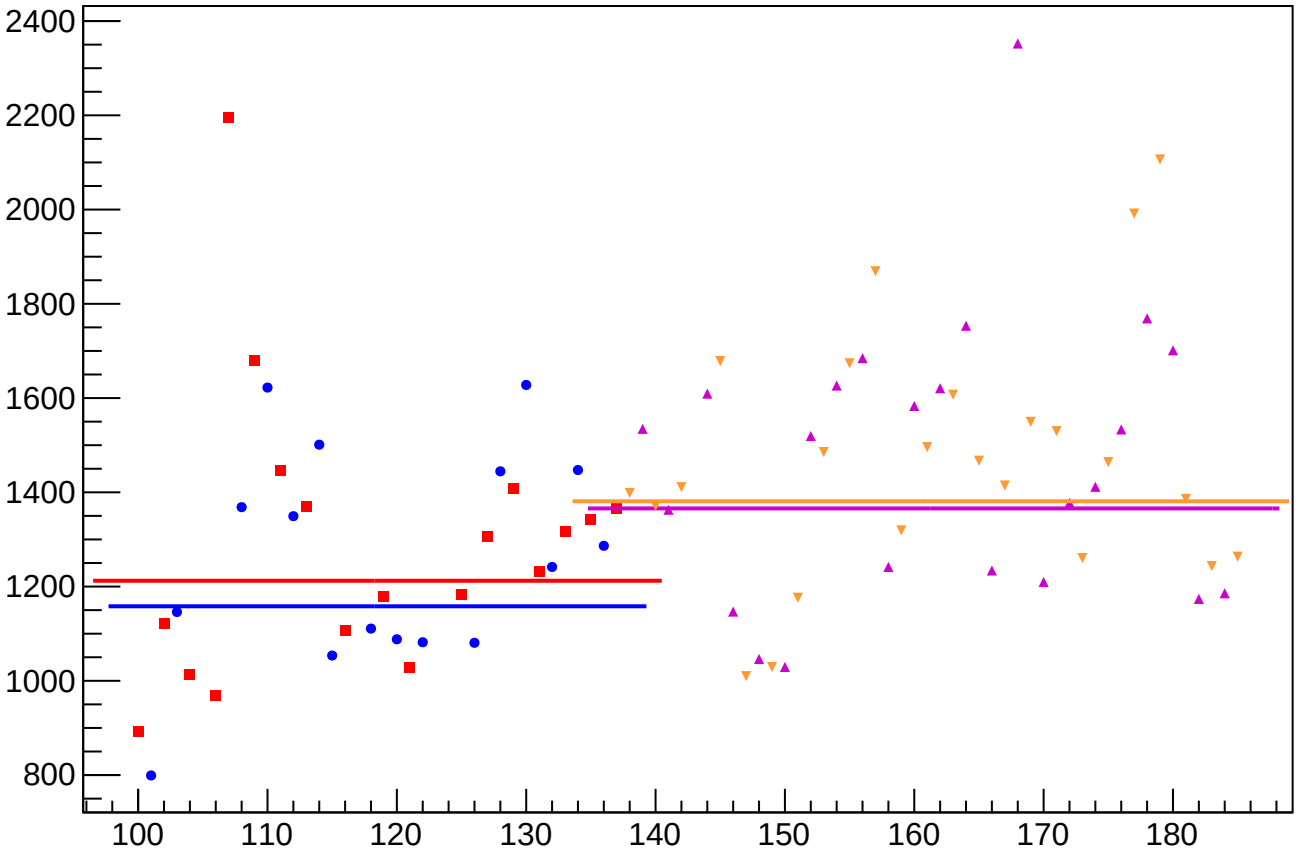
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 777.410+/-0.108 χ^2/NDF: 15371.0/39

All: 778.412+/-0.077 χ^2/NDF: 27633.7/80

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


asym_us_avg_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: -174.932+/-327.991 χ²/NDF:29.6/23
Right Out: 58.040+/-455.216 χ²/NDF: 15.3/17
Left In: 52.820+/-326.124 χ²/NDF:13.0/22
+ sign -176.186+/-263.227 χ²/NDF: 45.3/39
All: -61.621+/-186.792 χ²/NDF: 73.9/80
- sign 54.591+/-265.111 χ²/NDF: 28.2/40



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

Left Out: 1380.952+/-0.232 χ^2/NDF:1155437.6/23

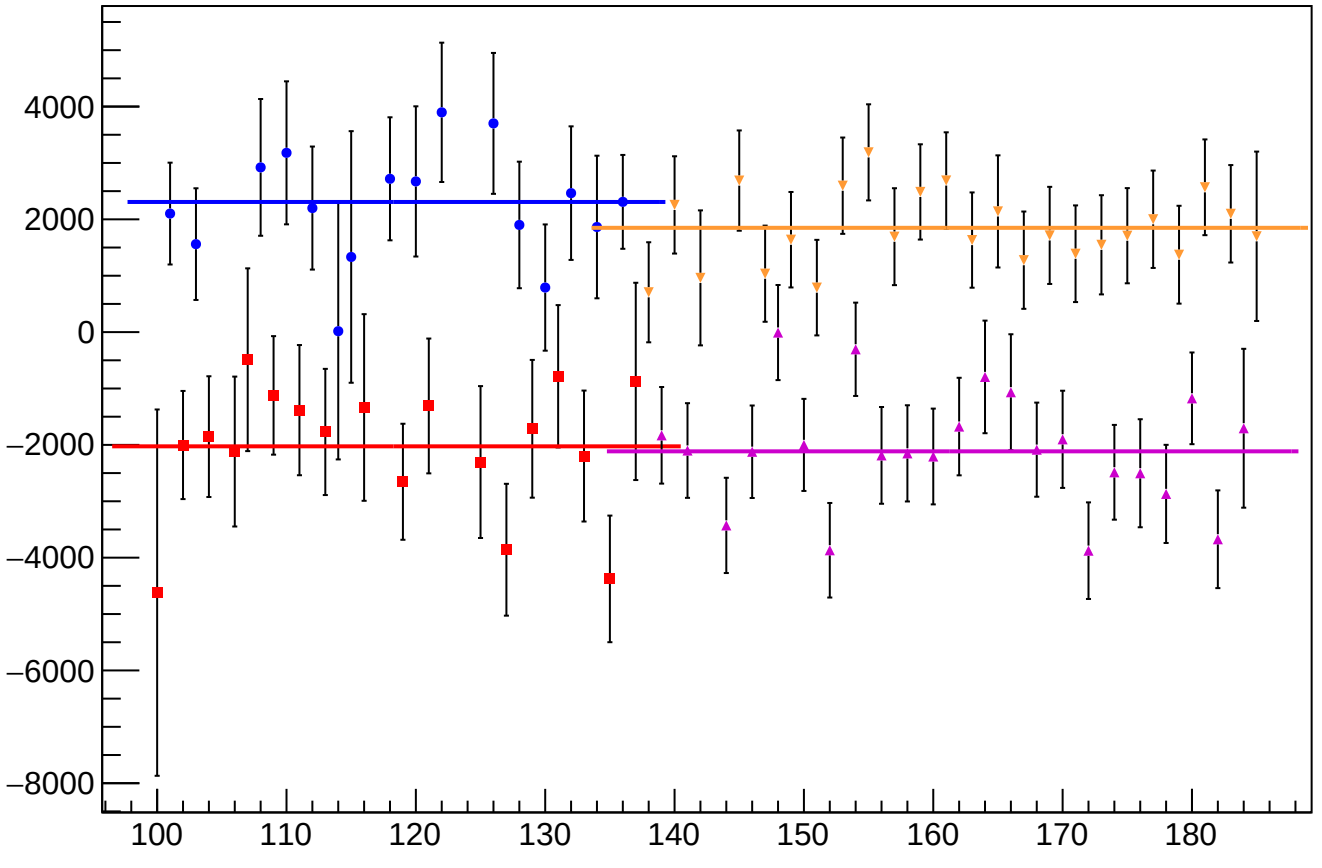
Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

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

+ sign 1301.646+/-0.186 χ^2/NDF: 2053104.9/39

All: 1307.660+/-0.132 χ^2/NDF: 3912218.9/80

- 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: 1849.592+/-180.739 χ^2/NDF:12.8/23

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

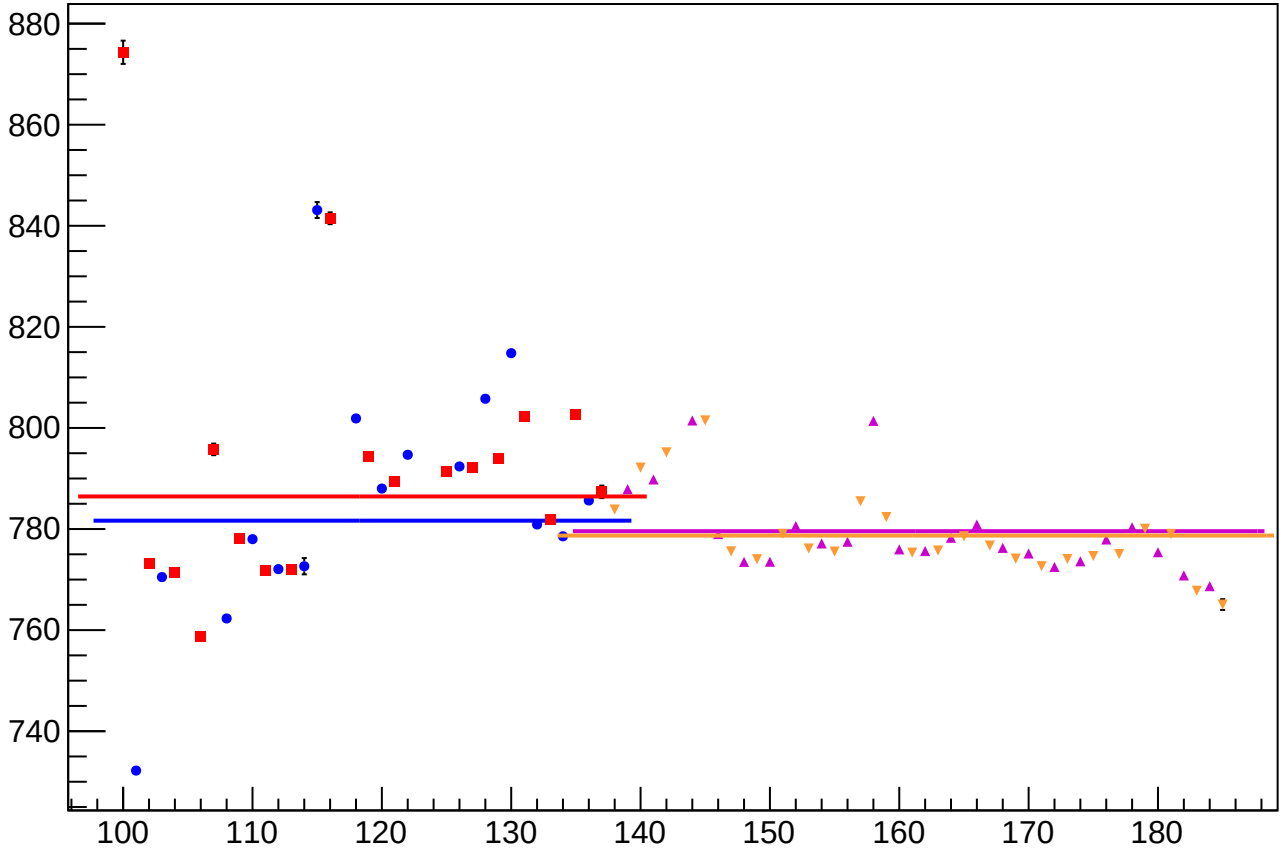
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1977.605+/-153.452 χ^2/NDF: 22.4/39

All: -46.719+/-108.750 χ^2/NDF: 415.2/80

- 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: 778.708+/-0.128 χ^2/NDF:3389.8/23

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

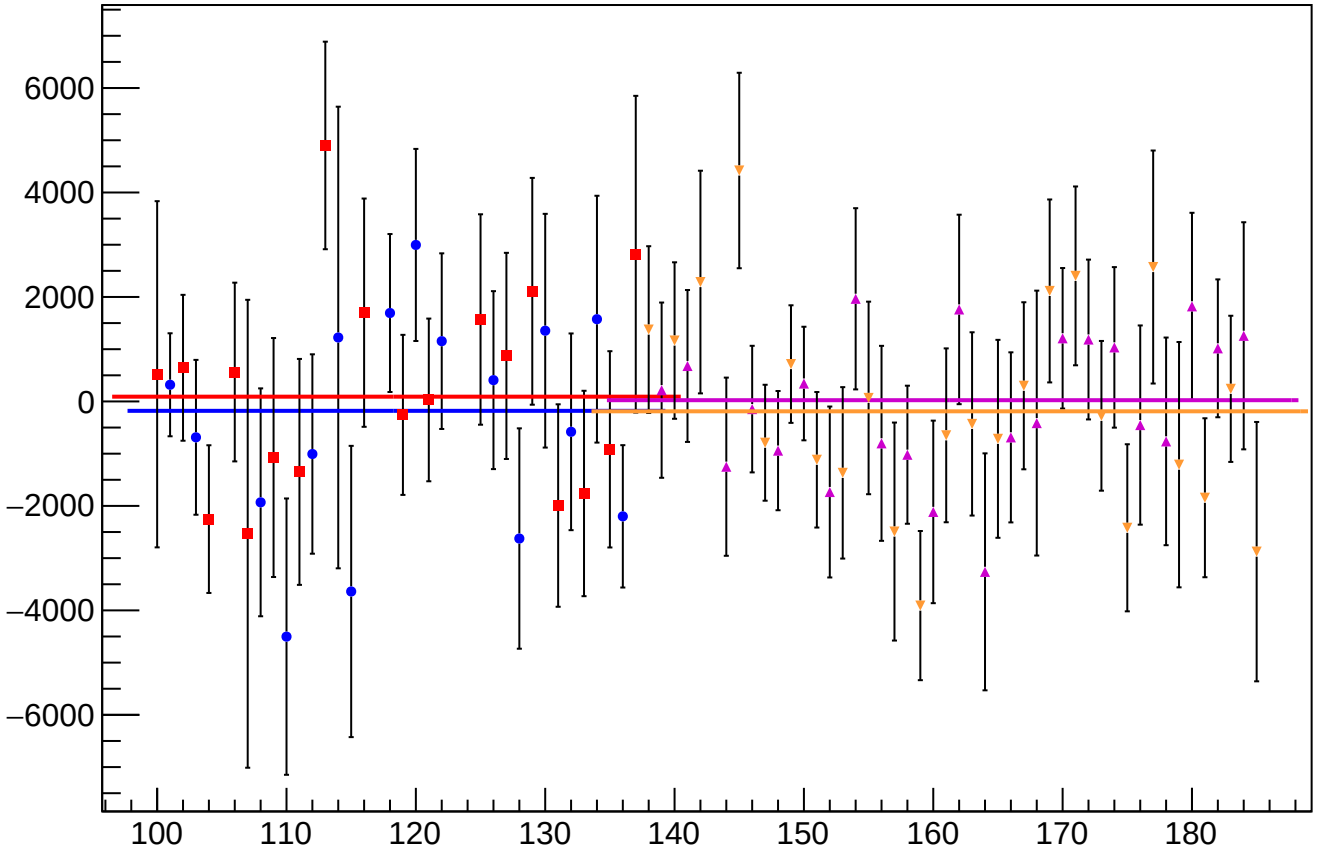
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.531+/-0.109 χ^2/NDF: 15857.1/39

All: 780.520+/-0.077 χ^2/NDF: 28204.2/80

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

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

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

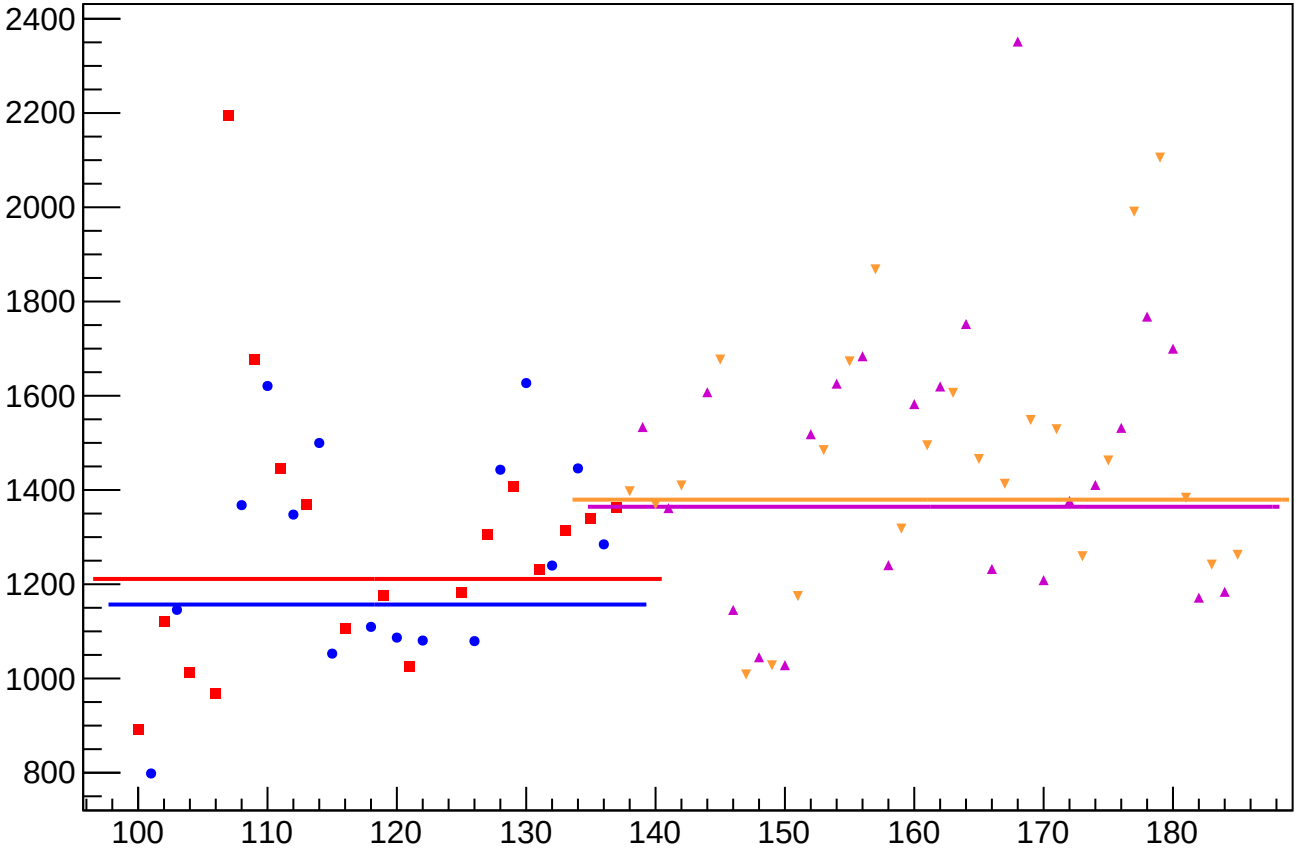
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -185.775+/-262.969 χ^2/NDF: 45.0/39

All: -70.393+/-186.613 χ^2/NDF: 74.0/80

- 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: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

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

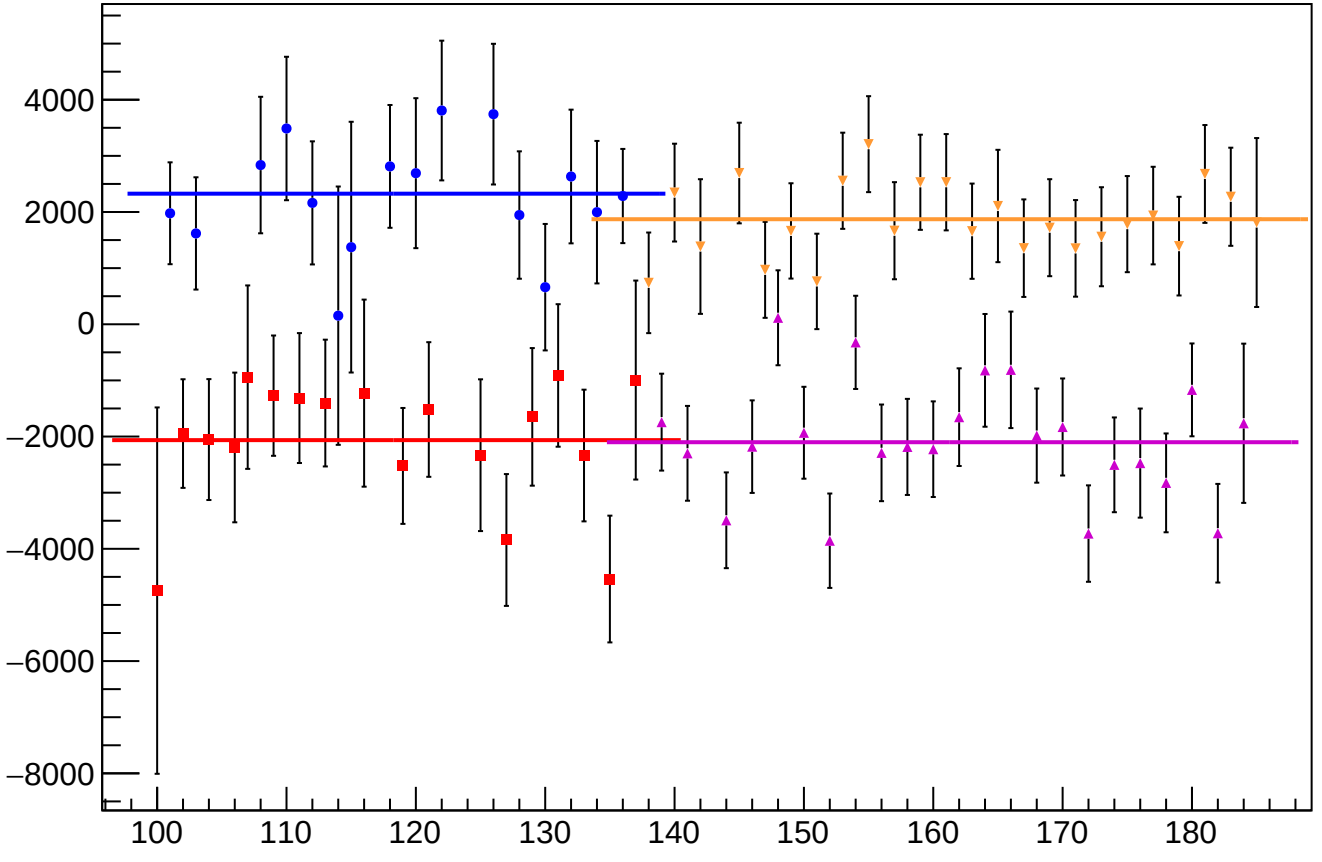
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

\+ sign 1300.307+/-0.186 χ^2/NDF: 2056083.9/39

All: 1306.347+/-0.132 χ^2/NDF: 3918088.8/80

\- 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: 1871.457+/-181.976 χ^2/NDF:12.5/23

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

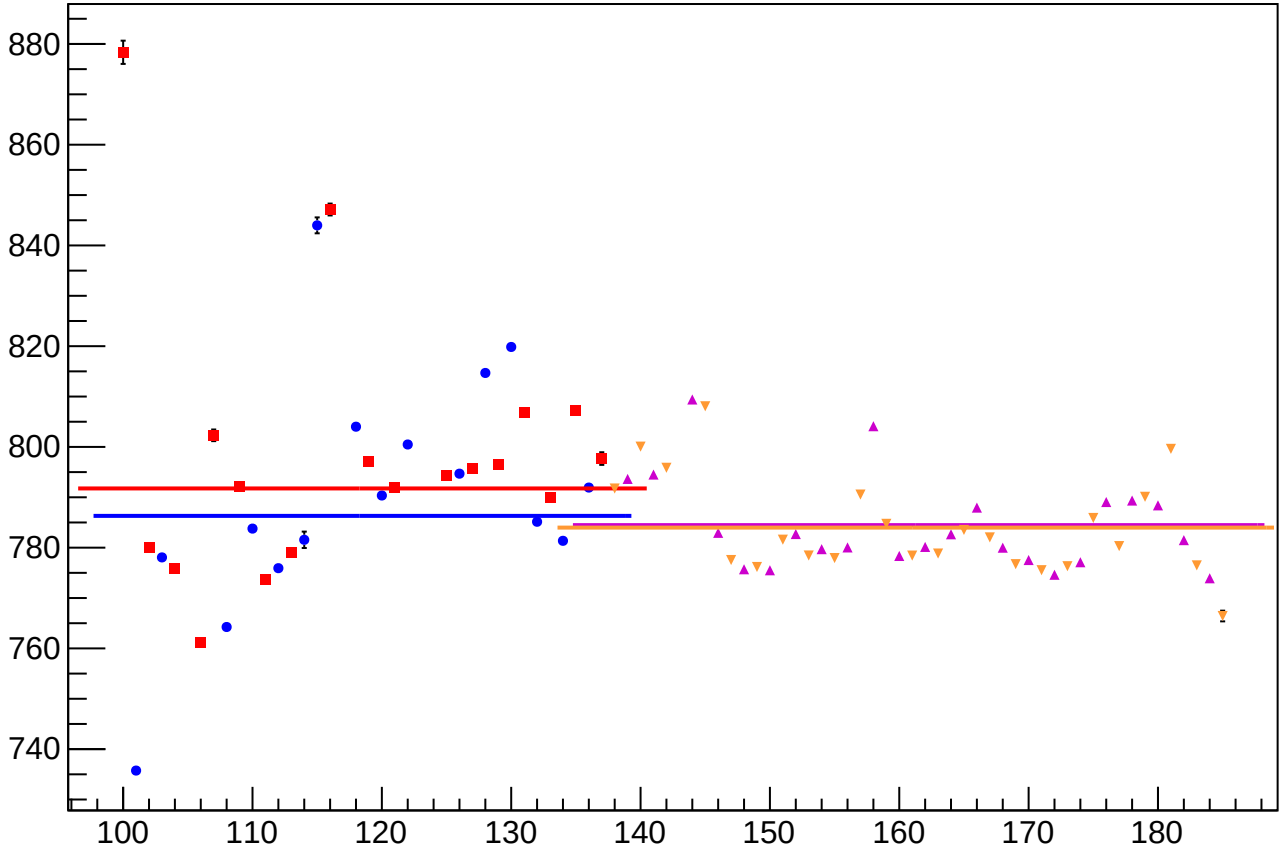
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1998.621+/-154.466 χ^2/NDF: 22.4/39

All: -37.047+/-109.462 χ^2/NDF: 414.7/80

- 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: 783.982+/-0.129 χ^2/NDF:4928.0/23

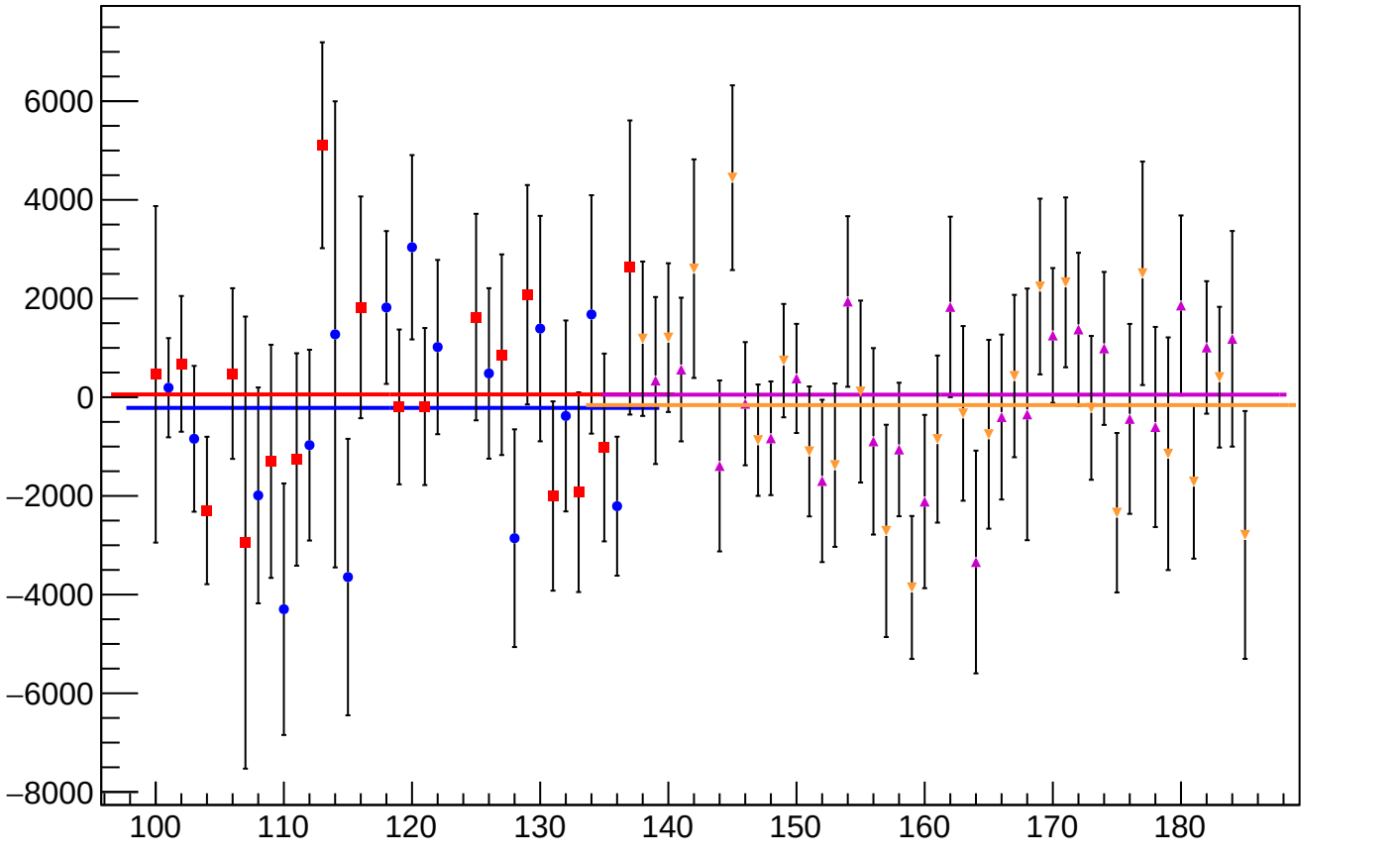
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

+ sign 784.632+/-0.109 χ^2/NDF: 17590.6/39

All: 785.578+/-0.077 χ^2/NDF: 30577.9/80

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



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

Left Out: -159.275+/-332.190 χ^2/NDF:29.1/23

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

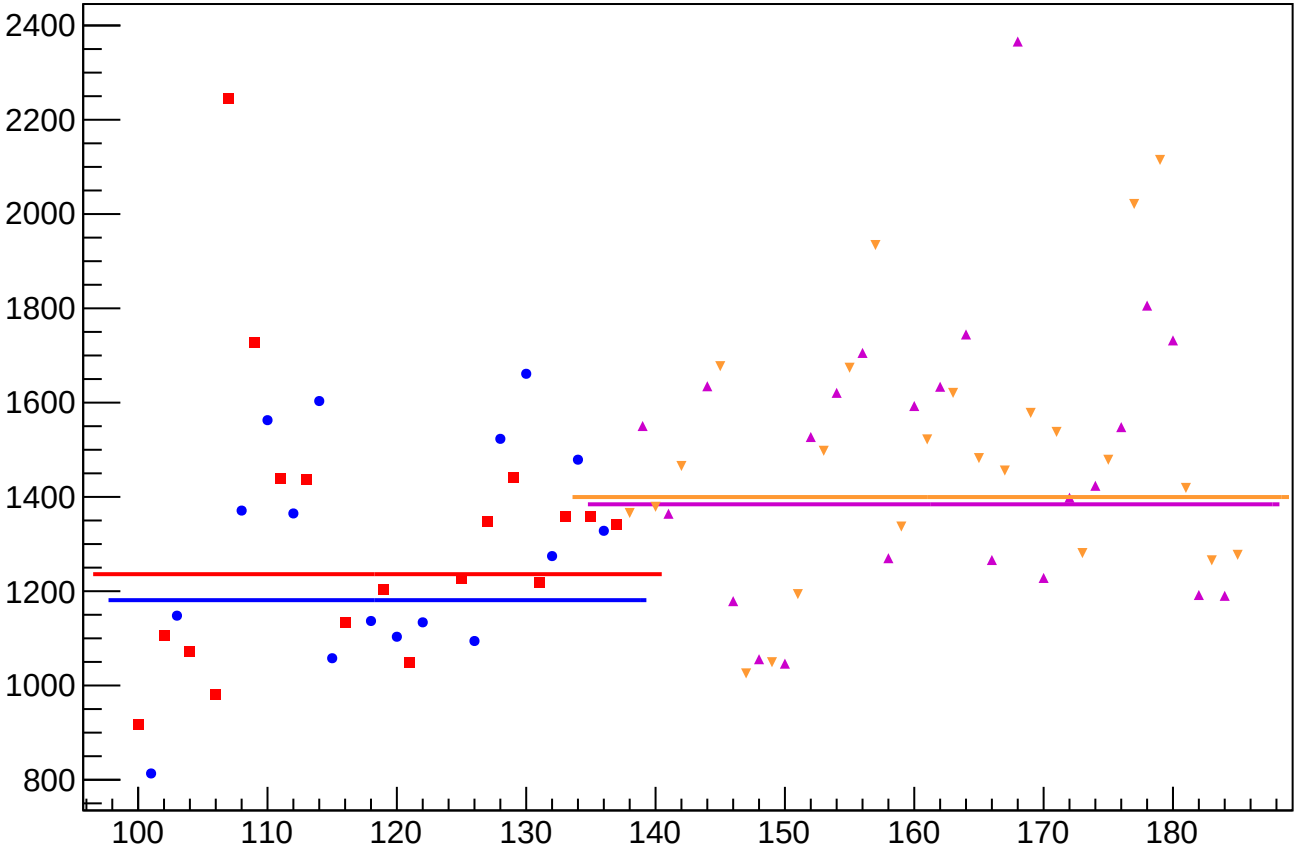
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -179.375+/-267.161 χ^2/NDF: 44.4/39

All: -63.703+/-189.569 χ^2/NDF: 73.3/80

- 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: 1399.717+/-0.235 χ^2/NDF:1136350.2/23

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

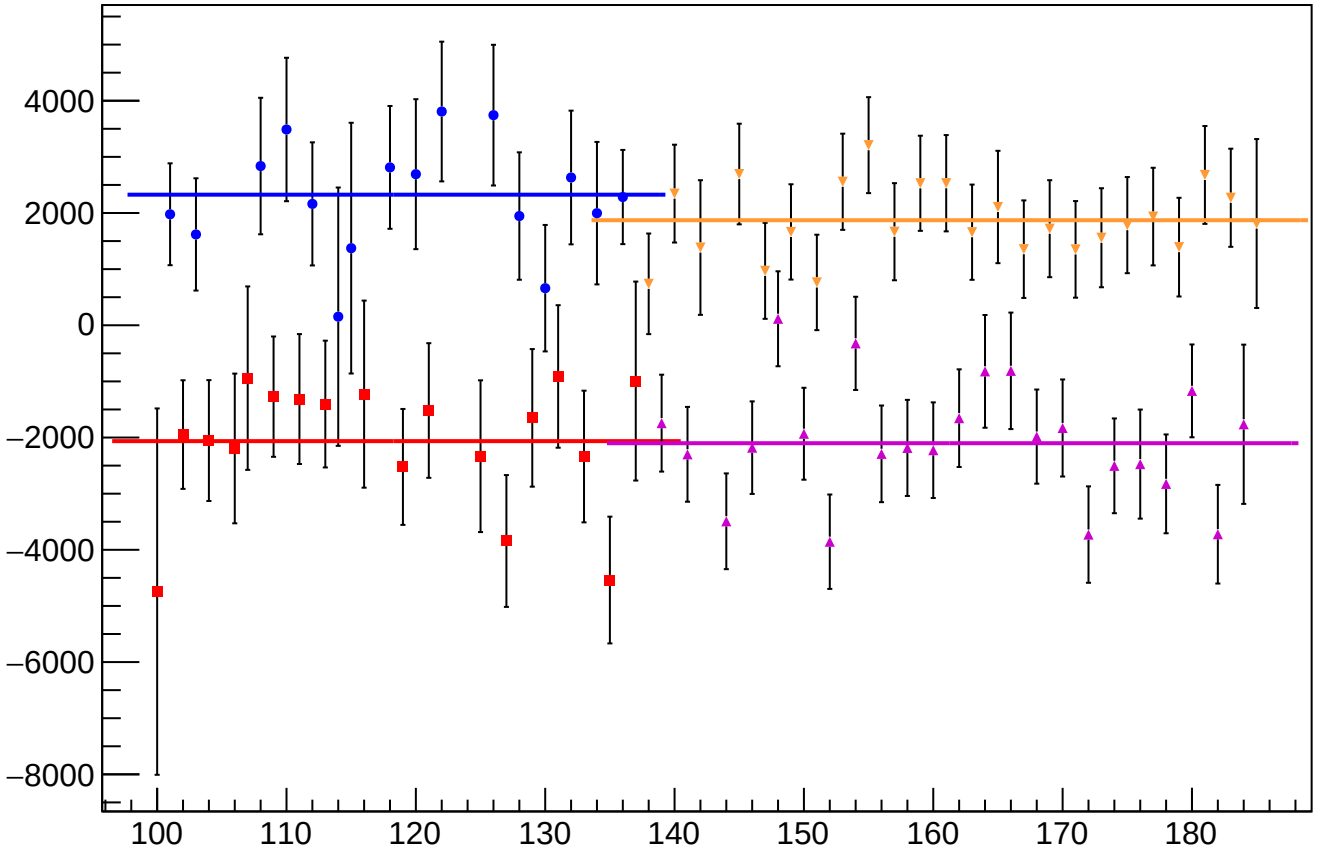
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1322.466+/-0.189 χ^2/NDF: 2013686.2/39

All: 1328.445+/-0.134 χ^2/NDF: 3818326.3/80

- 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: 1871.455+/-181.976 χ^2/NDF:12.5/23

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

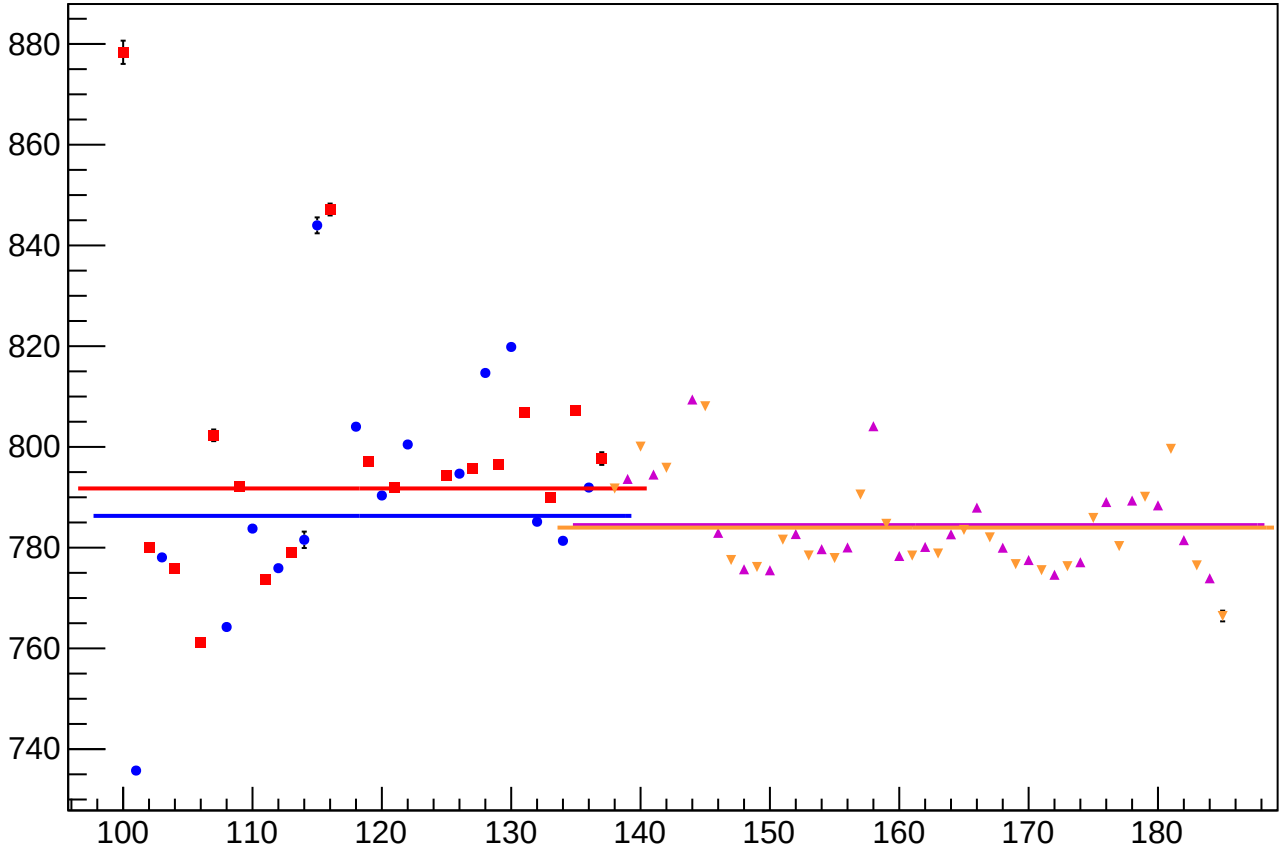
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1998.619+/-154.466 χ^2/NDF: 22.4/39

All: -37.049+/-109.462 χ^2/NDF: 414.7/80

- 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: 783.982+/-0.129 χ^2/NDF:4928.0/23

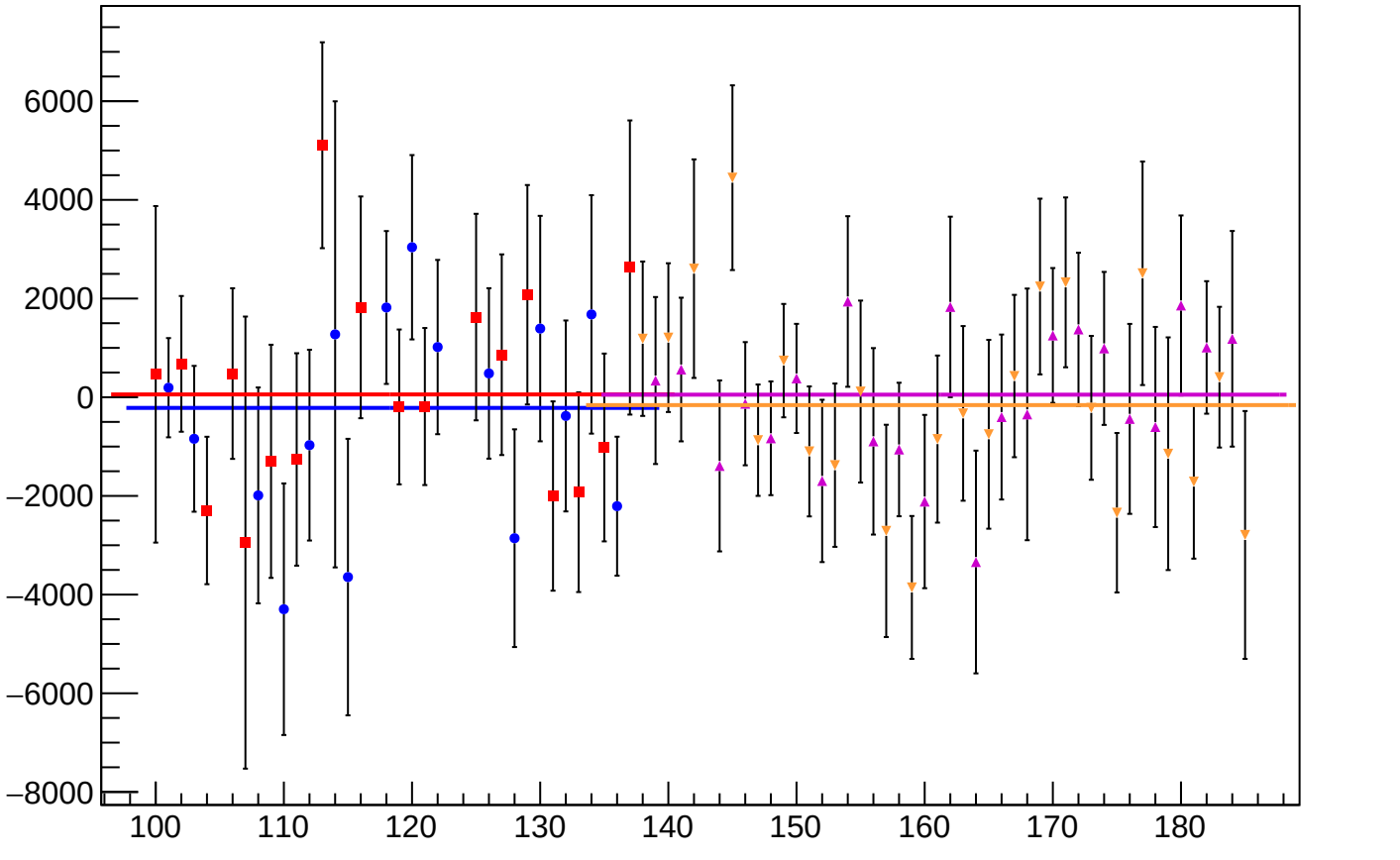
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

+ sign 784.632+/-0.109 χ^2/NDF: 17590.5/39

All: 785.578+/-0.077 χ^2/NDF: 30577.8/80

- 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: -159.278+/-332.191 χ^2/NDF:29.1/23

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

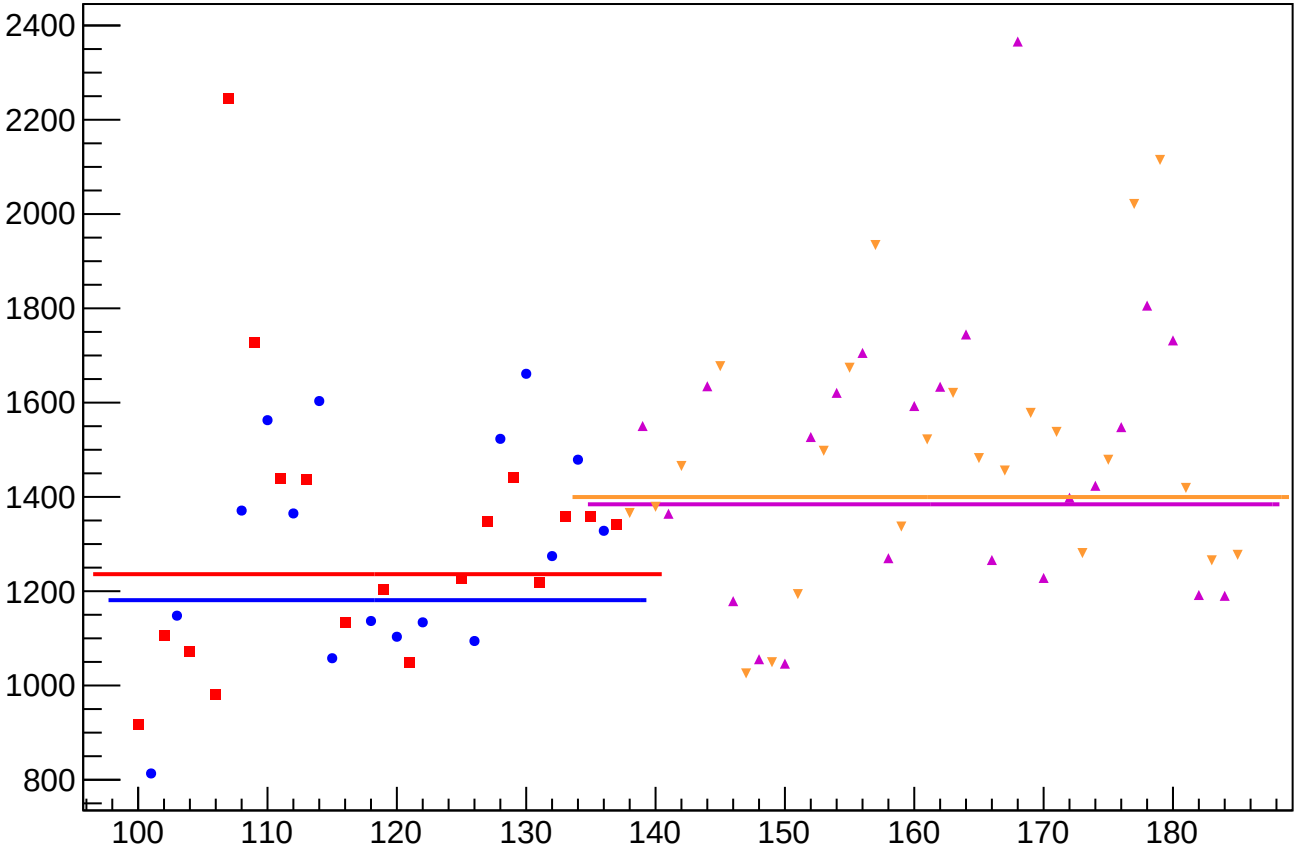
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign -179.377+/-267.161 χ^2/NDF: 44.4/39

All: -63.704+/-189.569 χ^2/NDF: 73.3/80

\- 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: 1399.720+/-0.235 χ^2/NDF:1136351.3/23

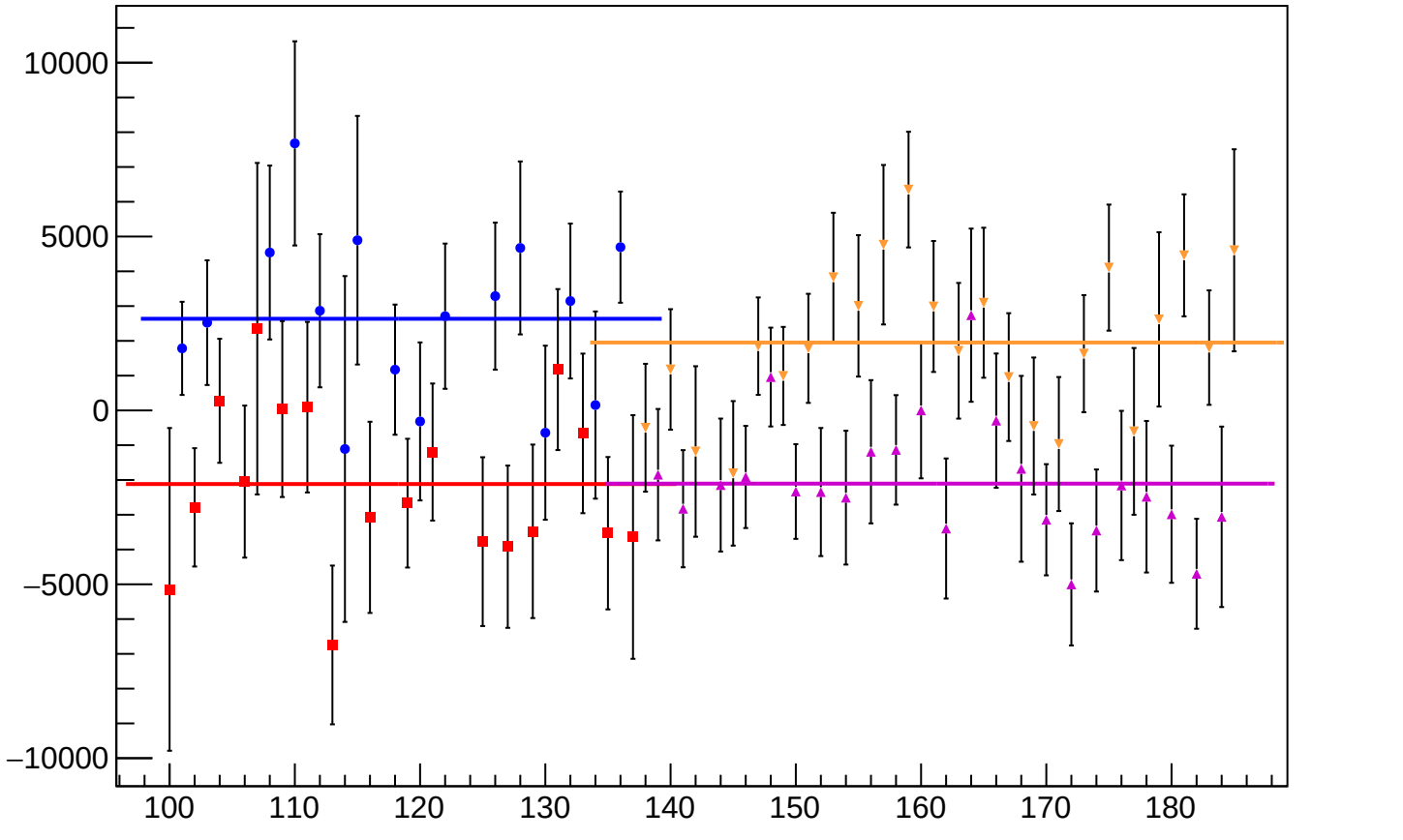
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

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

+ sign 1322.466+/-0.189 χ^2/NDF: 2013701.4/39

All: 1328.445+/-0.134 χ^2/NDF: 3818351.7/80

- 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: 1952.406+/-380.269 χ^2/NDF:27.4/23

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

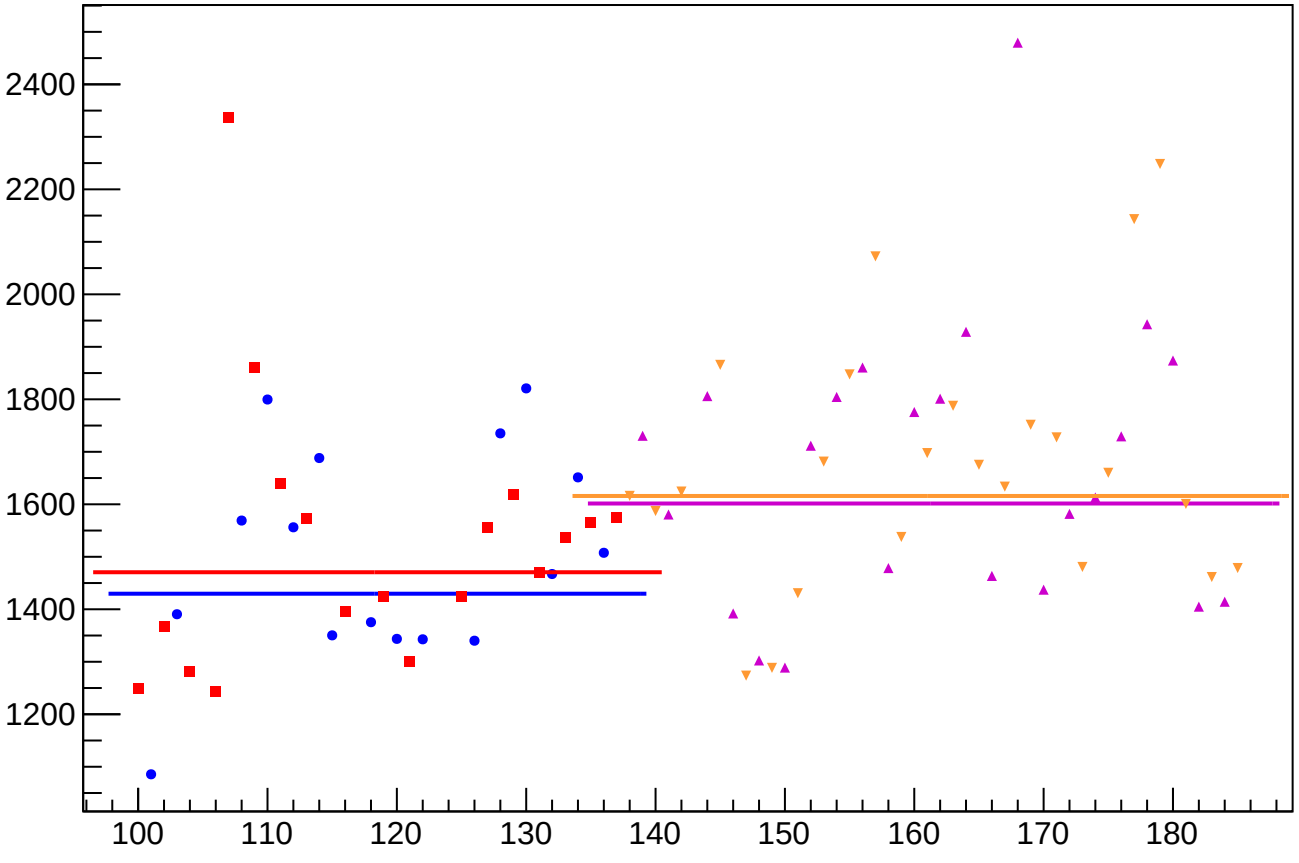
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2179.927+/-310.537 χ^2/NDF: 40.7/39

All: 43.001+/-219.974 χ^2/NDF: 168.1/80

- 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: 1615.853+/-0.269 χ^2/NDF:694353.3/23

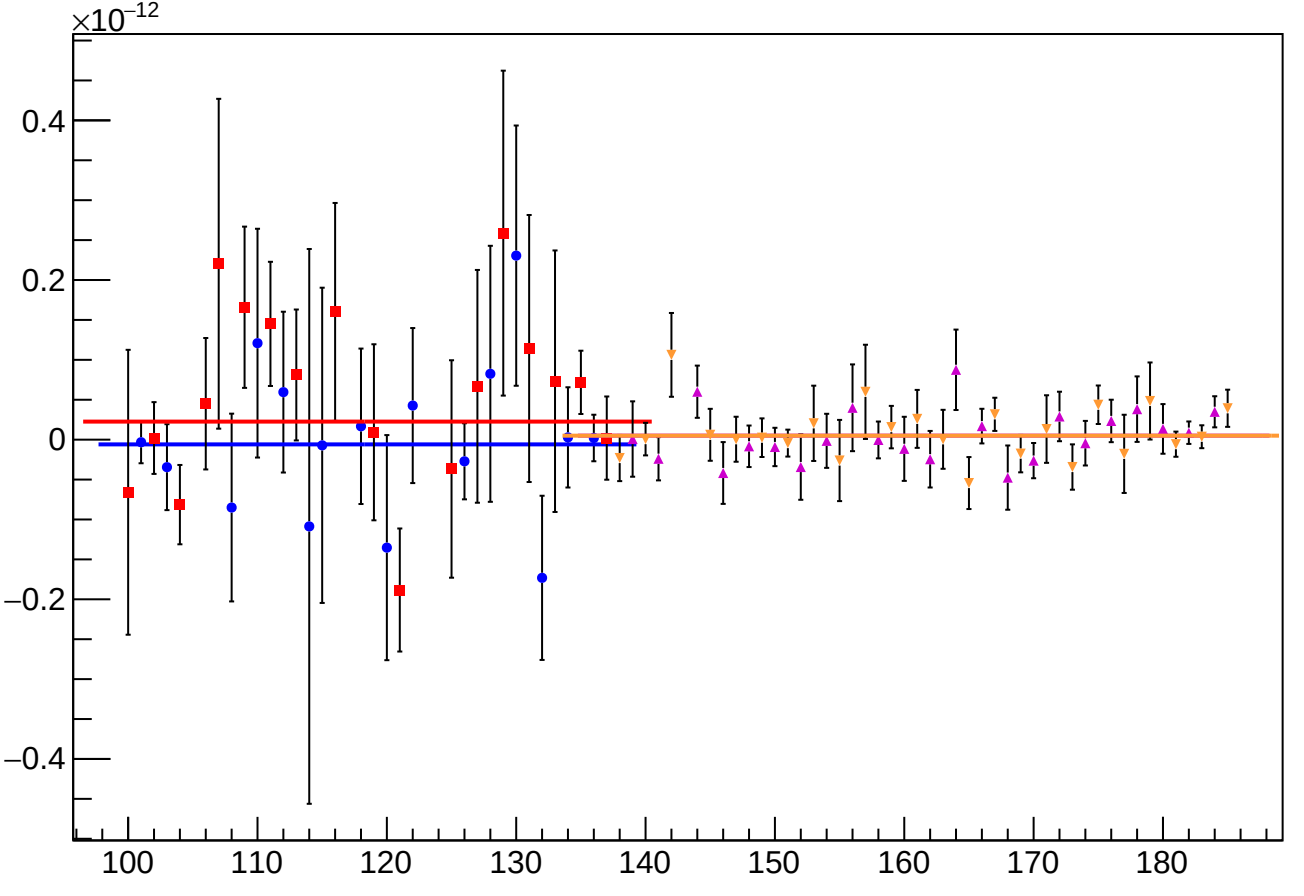
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

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

+ sign 1553.826+/-0.220 χ^2/NDF: 1147481.4/39

All: 1556.439+/-0.156 χ^2/NDF: 2236877.8/80

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.0/23

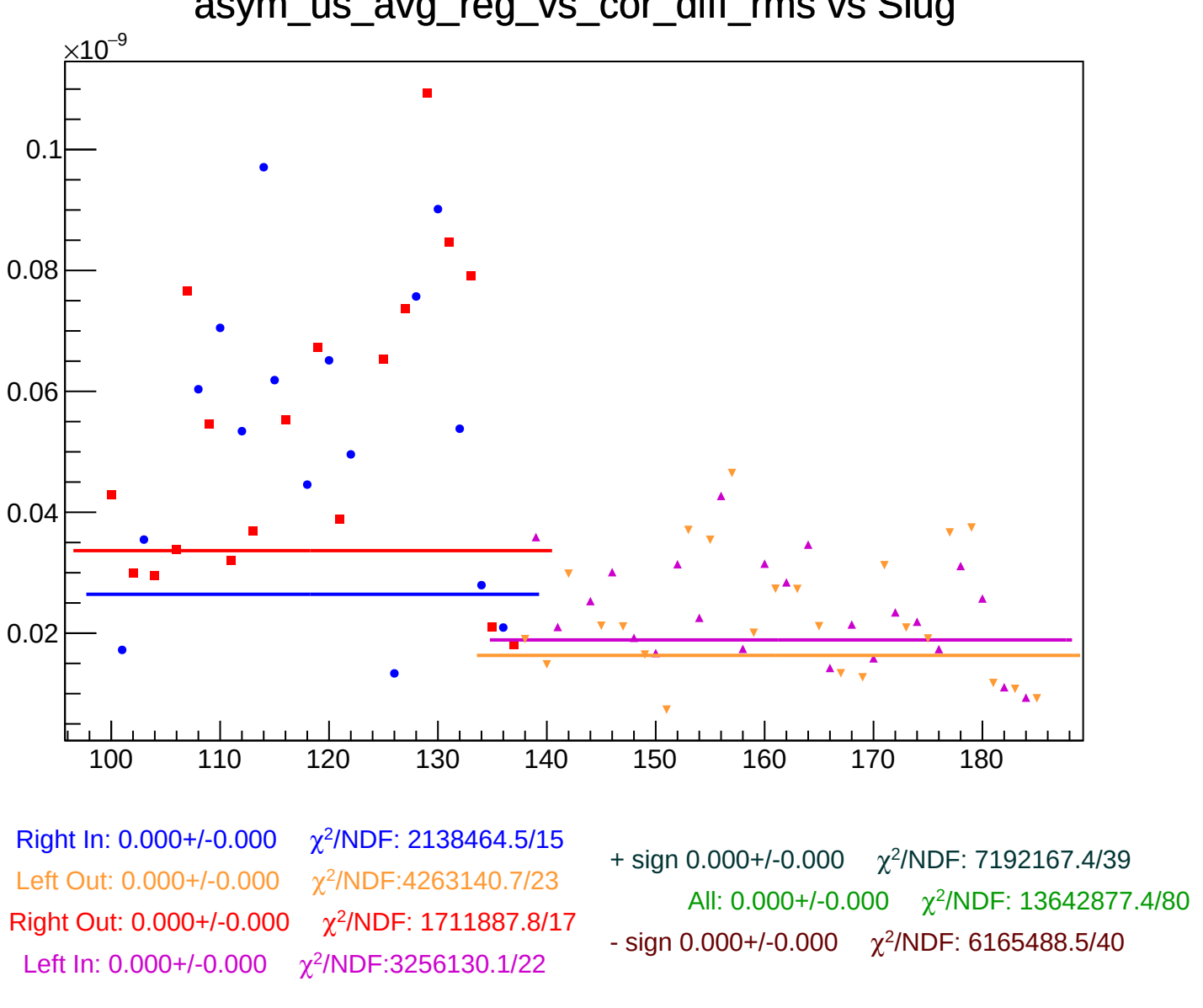
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

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

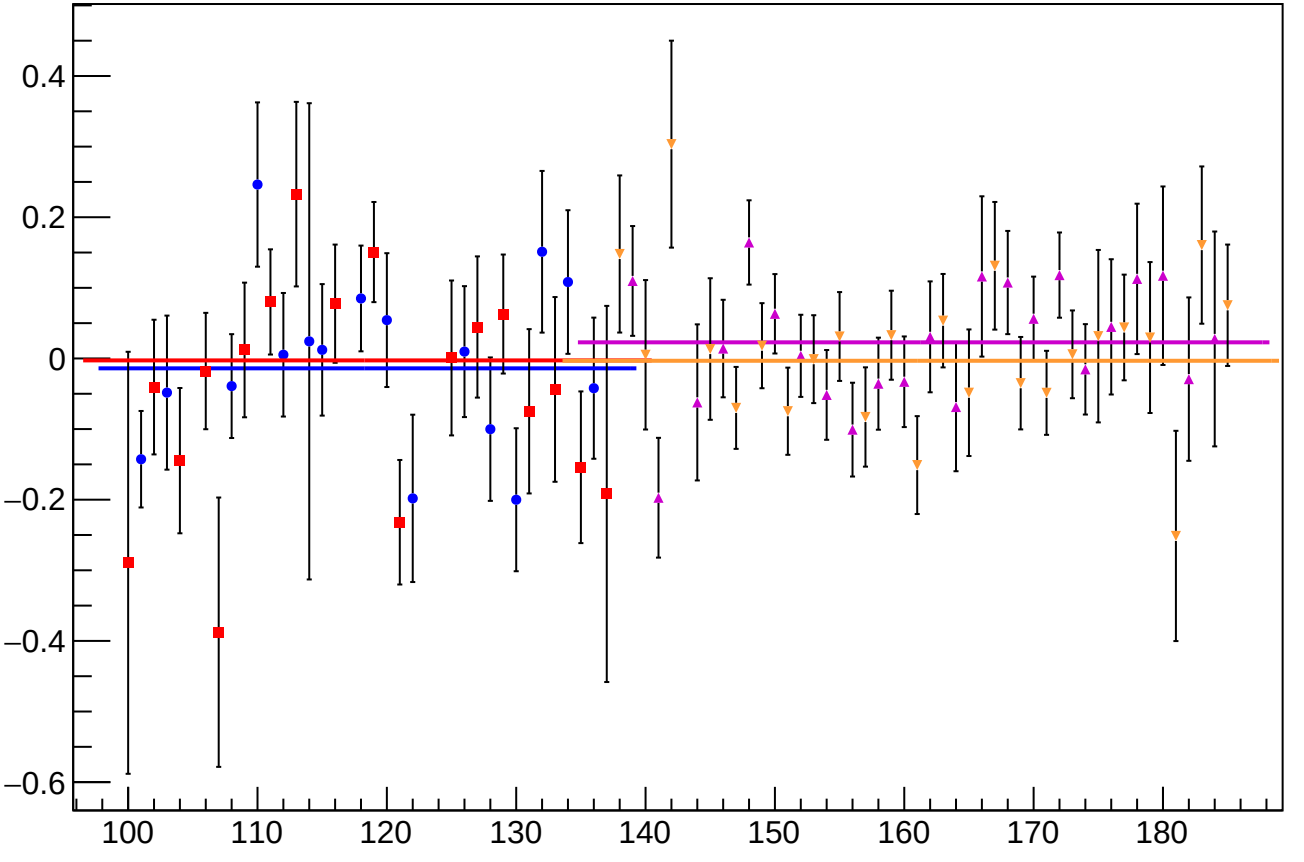
+ sign 0.000+/-0.000 χ^2/NDF: 30.0/39

All: 0.000+/-0.000 χ^2/NDF: 73.4/80

- sign 0.000+/-0.000 χ^2/NDF: 43.3/40


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4263140.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:3256130.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7192167.4/39
All: 0.000+/-0.000 χ²/NDF: 13642877.4/80
- sign 0.000+/-0.000 χ²/NDF: 6165488.5/40

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

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

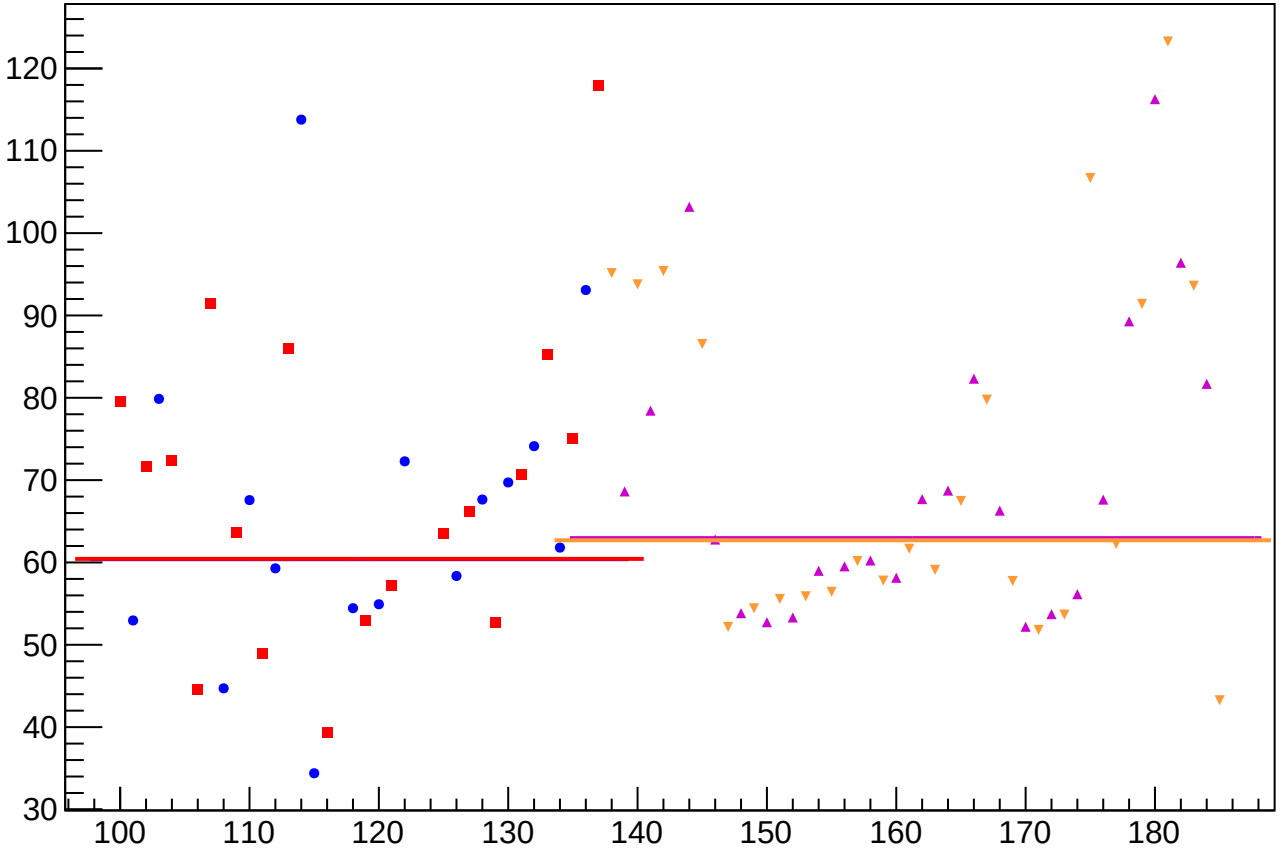
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.006+/-0.013 χ^2/NDF: 47.4/39

All: 0.004+/-0.009 χ^2/NDF: 106.3/80

- sign 0.015+/-0.013 χ^2/NDF: 57.5/40

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

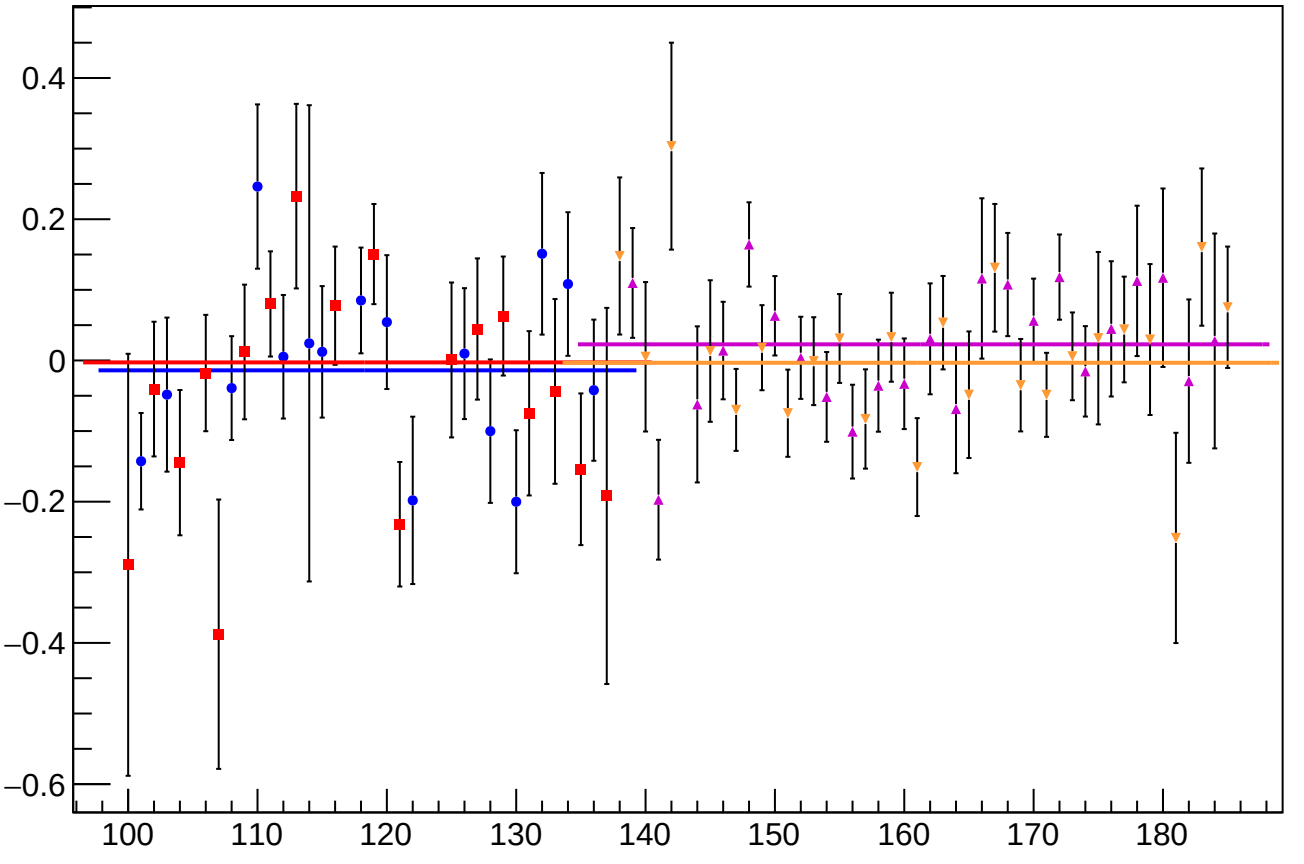
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

\+ sign 62.014+/-0.009 χ^2/NDF: 2655568.4/39

All: 62.109+/-0.006 χ^2/NDF: 4813078.1/80

\- 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: -0.003+/-0.015 χ^2/NDF:25.9/23

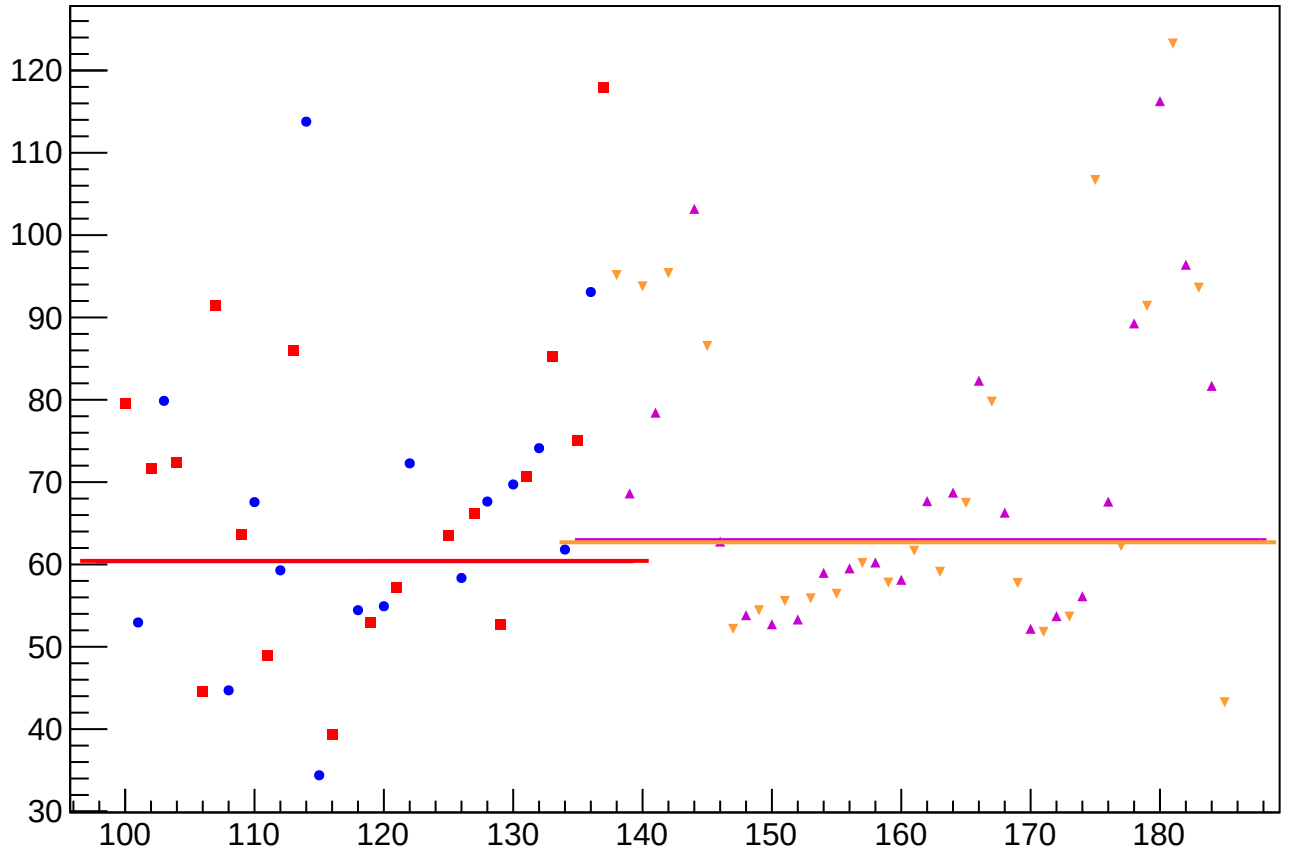
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.006+/-0.013 χ^2/NDF: 47.4/39

All: 0.004+/-0.009 χ^2/NDF: 106.3/80

- 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: 62.694+/-0.011 χ^2/NDF:1939401.0/23

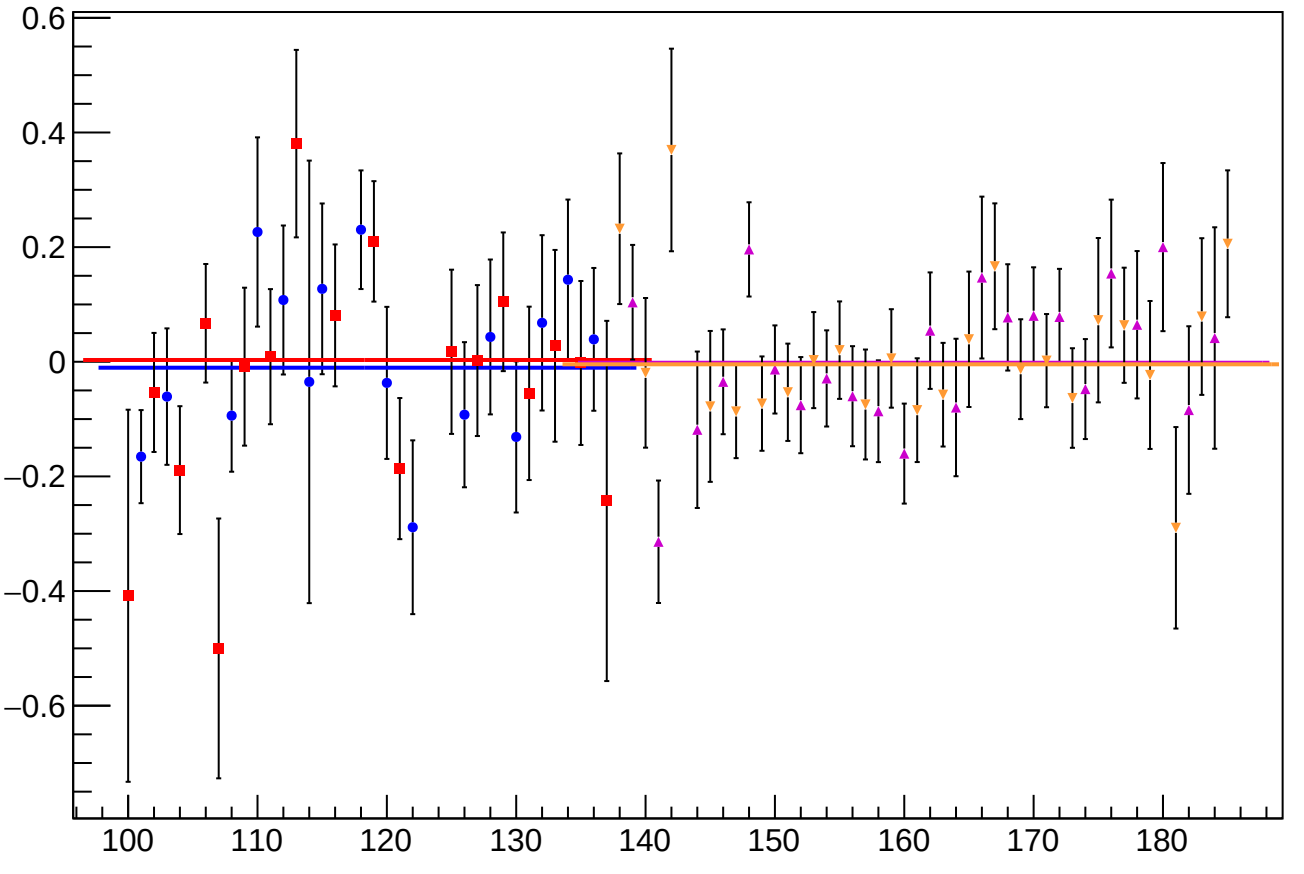
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

+ sign 62.014+/-0.009 χ^2/NDF: 2655568.4/39

All: 62.109+/-0.006 χ^2/NDF: 4813078.1/80

- 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: -0.004+/-0.021 χ^2/NDF:21.4/23

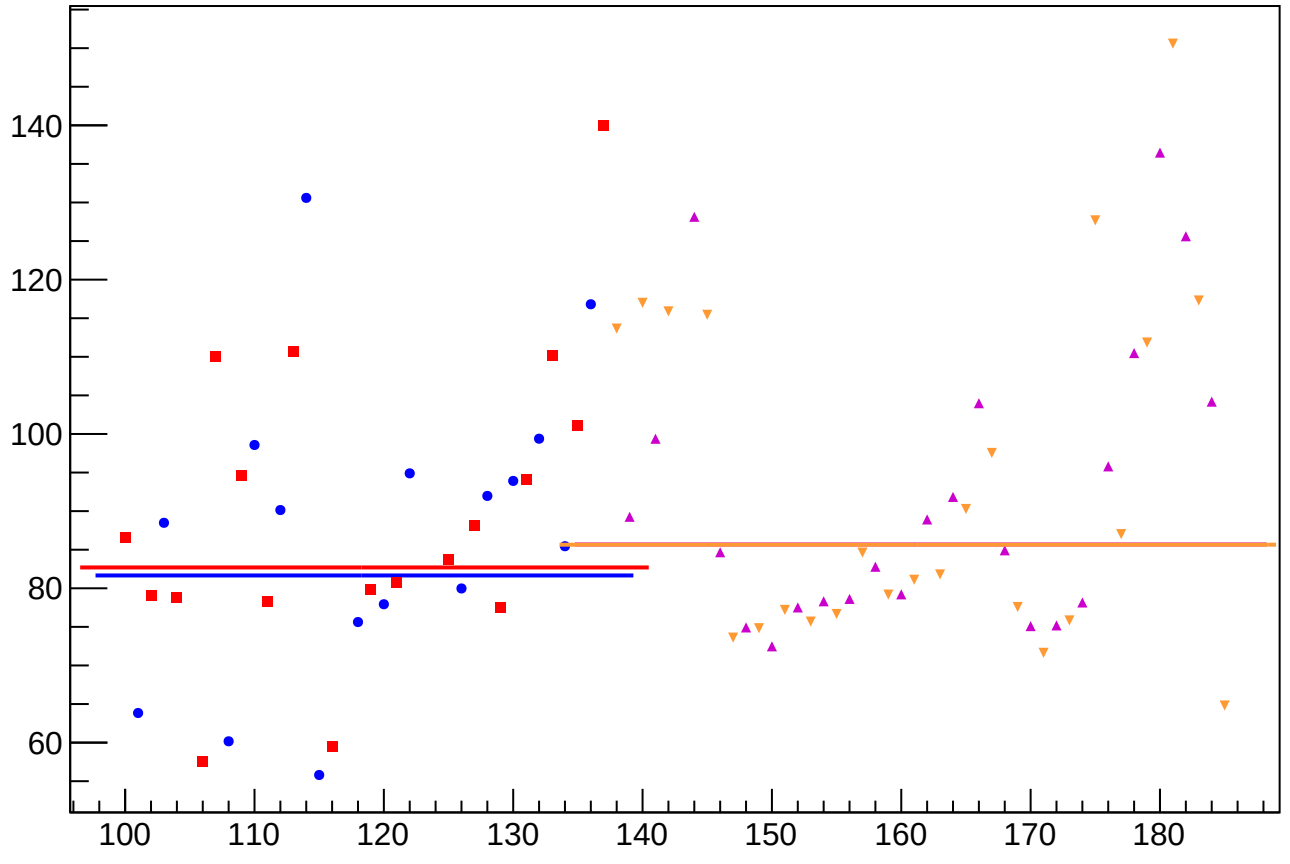
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

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

+ sign -0.006+/-0.017 χ^2/NDF: 41.5/39

All: -0.003+/-0.012 χ^2/NDF: 95.8/80

- 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: 85.650+/-0.015 χ^2/NDF:1352748.5/23

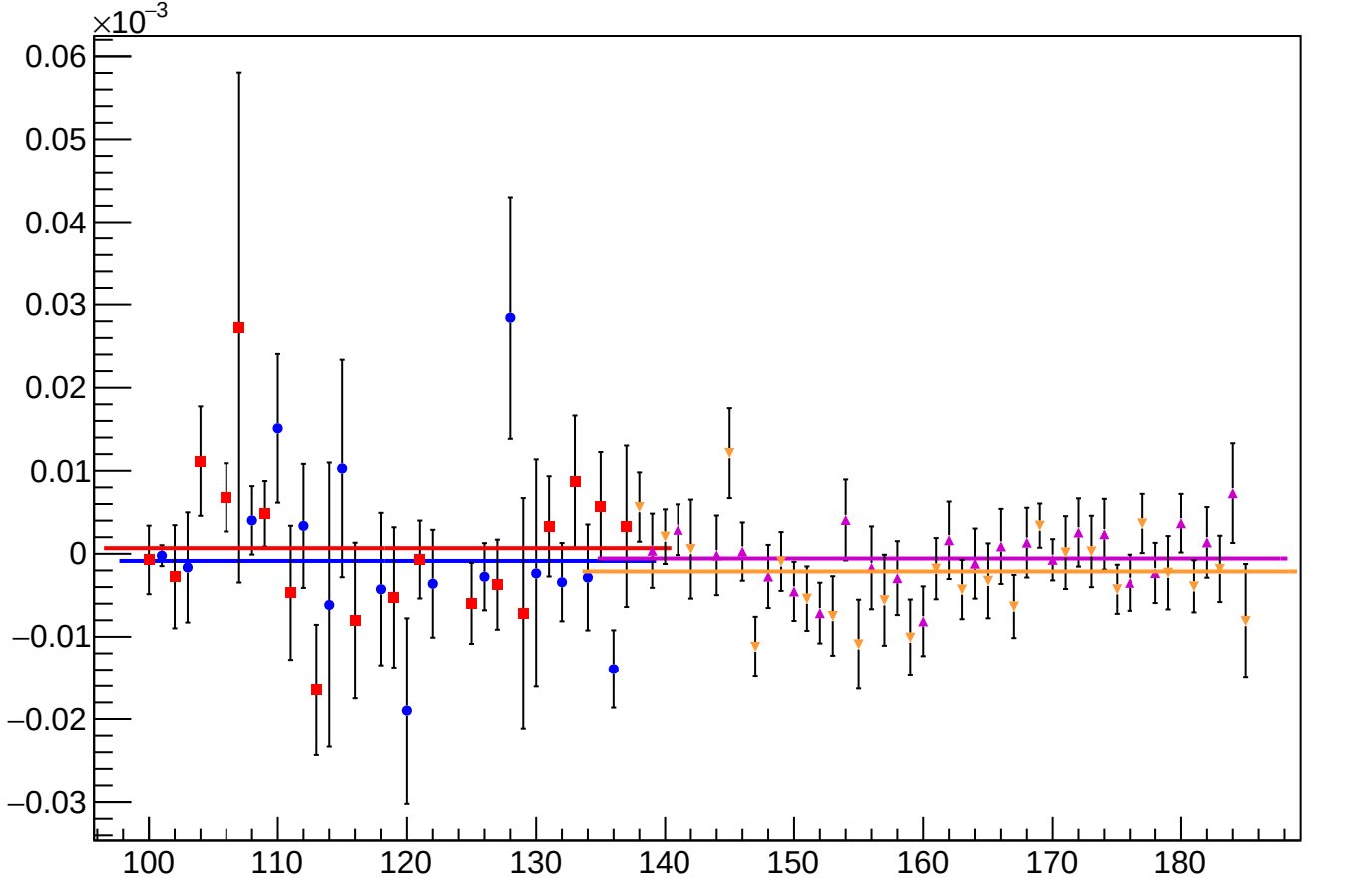
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

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

+ sign 84.455+/-0.012 χ^2/NDF: 1936878.2/39

All: 84.623+/-0.009 χ^2/NDF: 3418549.4/80

- 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:37.4/23

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

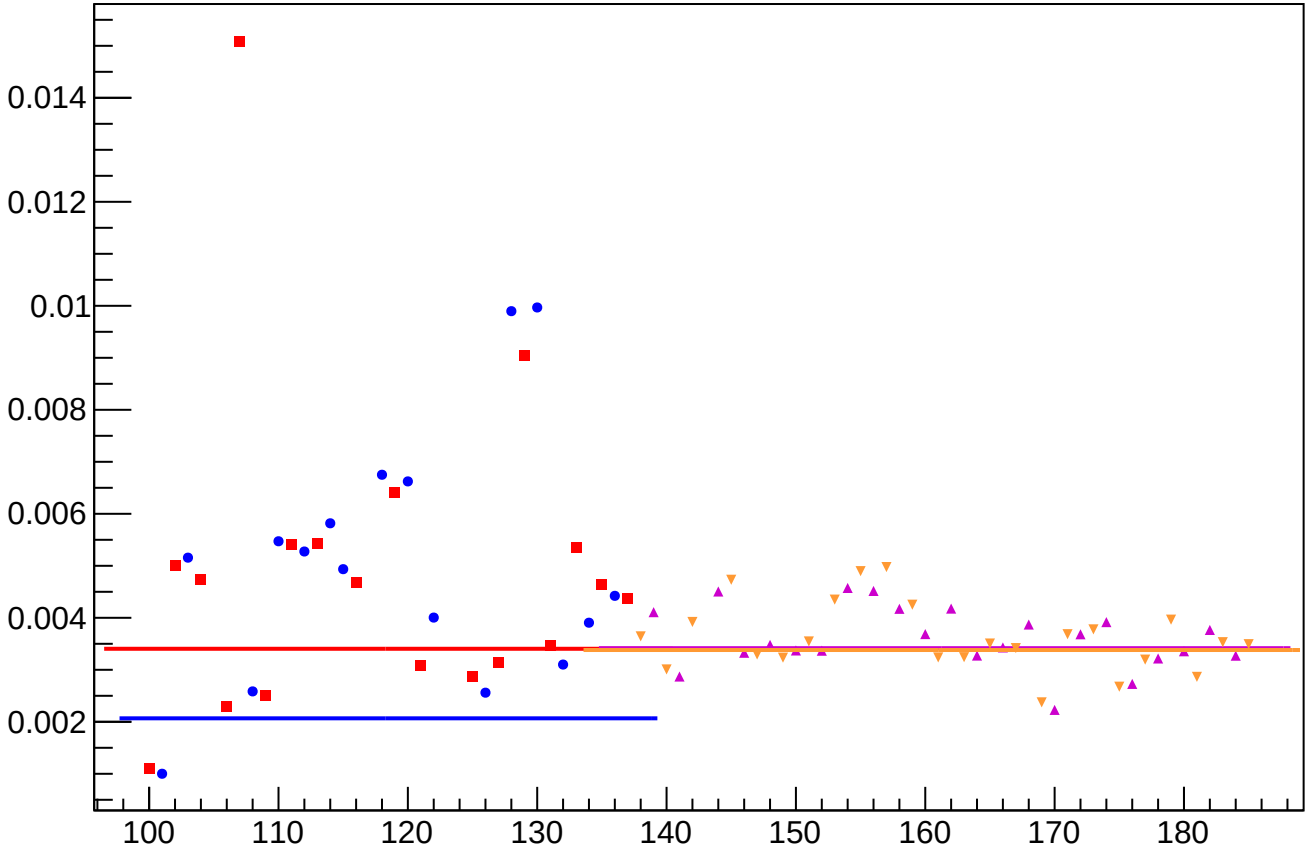
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.7/39

All: -0.000+/-0.000 χ^2/NDF: 97.3/80

- 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:1195636.0/23

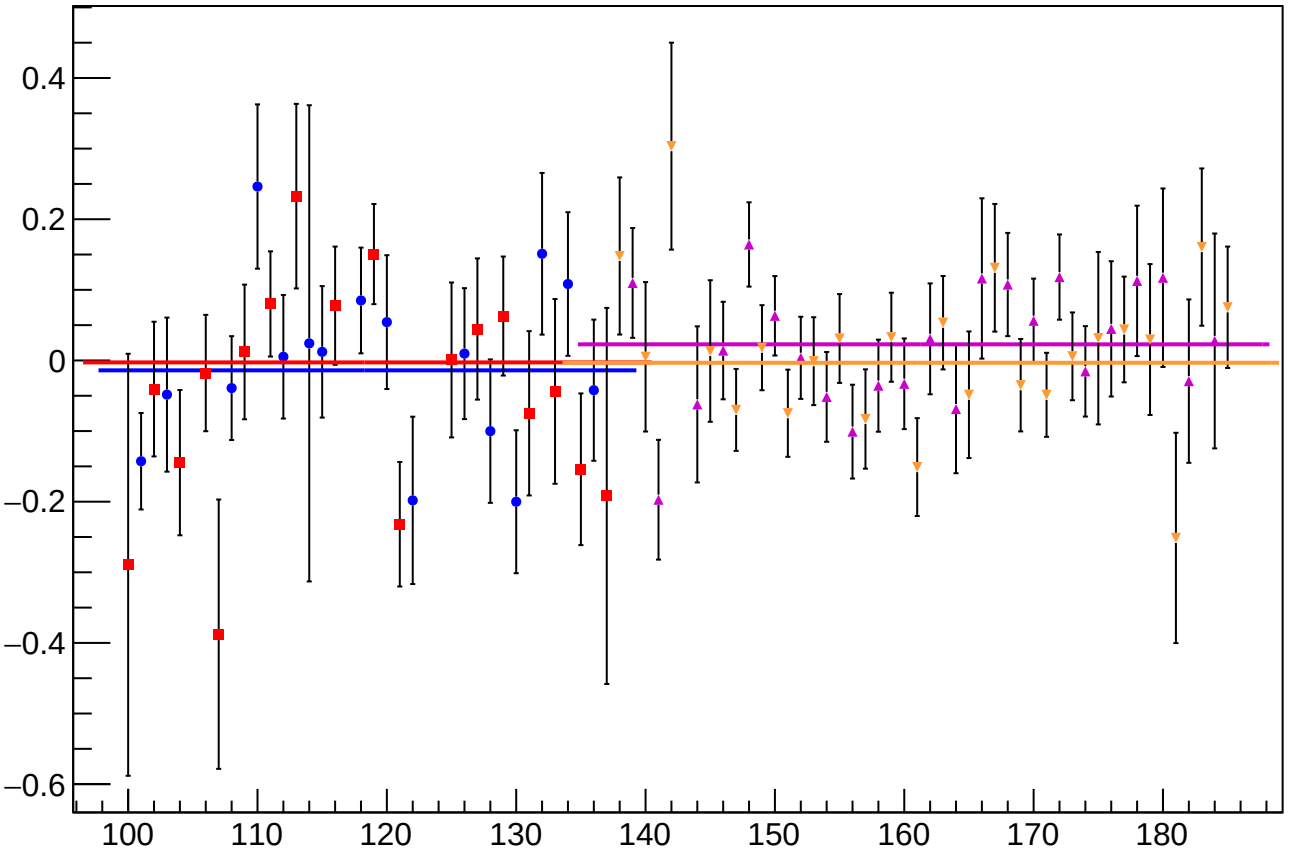
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

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

+ sign 0.003+/-0.000 χ^2/NDF: 9080575.7/39

All: 0.003+/-0.000 χ^2/NDF: 13403569.9/80

- 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: -0.003+/-0.015 χ^2/NDF:25.9/23

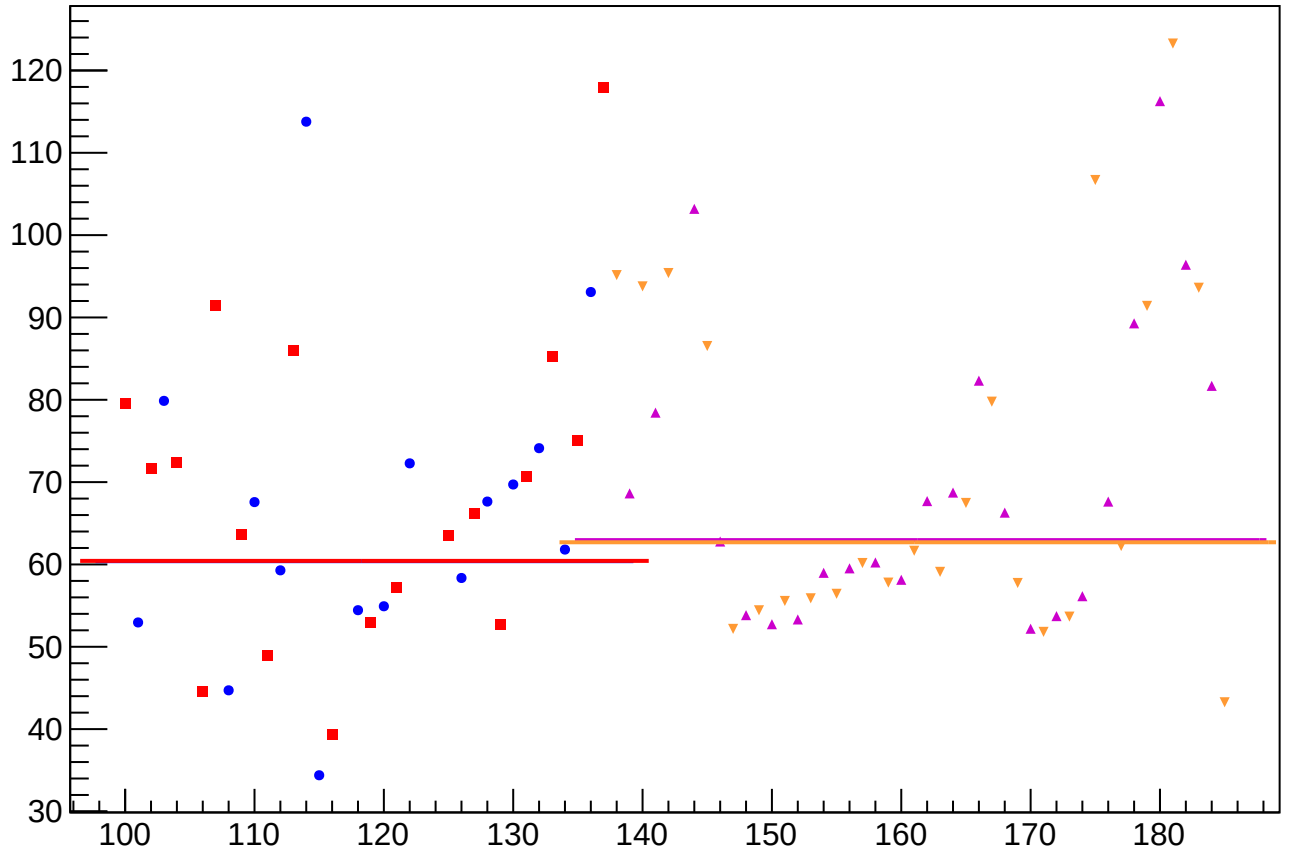
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.006+/-0.013 χ^2/NDF: 47.4/39

All: 0.004+/-0.009 χ^2/NDF: 106.3/80

- 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: 62.694+/-0.011 χ^2/NDF:1939383.4/23

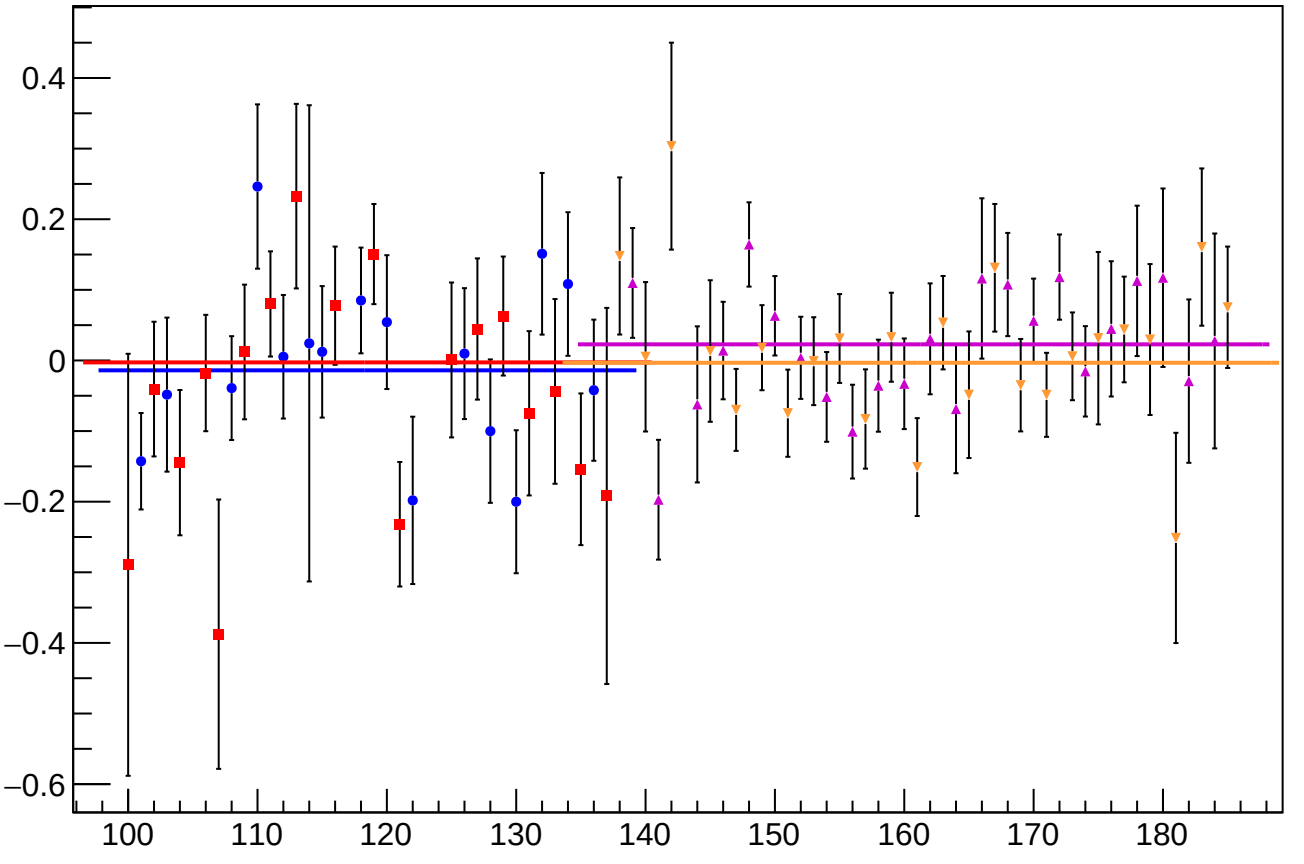
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

+ sign 62.013+/-0.009 χ^2/NDF: 2655583.8/39

All: 62.109+/-0.006 χ^2/NDF: 4813122.9/80

- 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: -0.003+/-0.015 χ^2/NDF:25.9/23

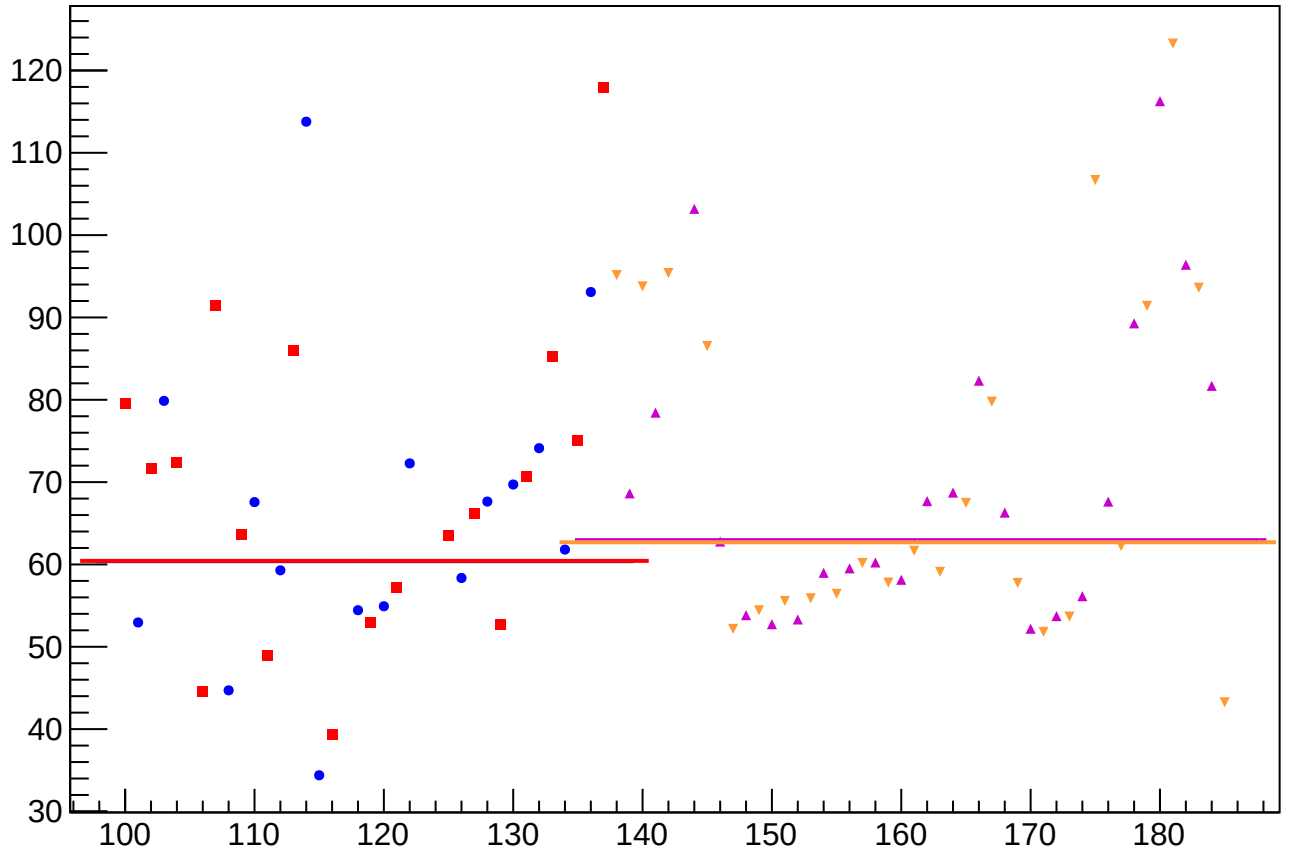
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.006+/-0.013 χ^2/NDF: 47.4/39

All: 0.004+/-0.009 χ^2/NDF: 106.3/80

- 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: 62.694+/-0.011 χ^2/NDF:1939383.4/23

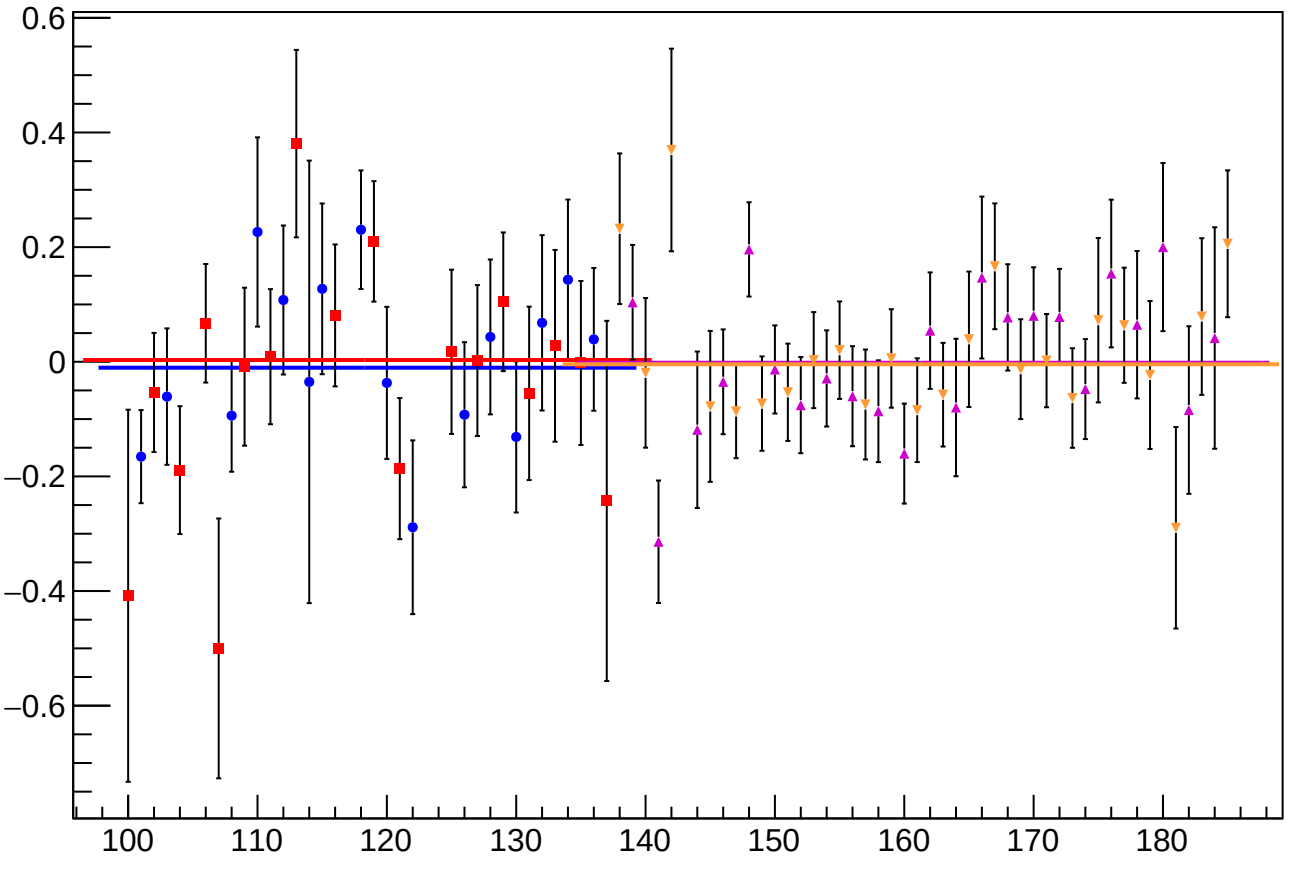
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

+ sign 62.013+/-0.009 χ^2/NDF: 2655583.8/39

All: 62.109+/-0.006 χ^2/NDF: 4813122.9/80

- 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: -0.004+/-0.021 χ^2/NDF:21.4/23

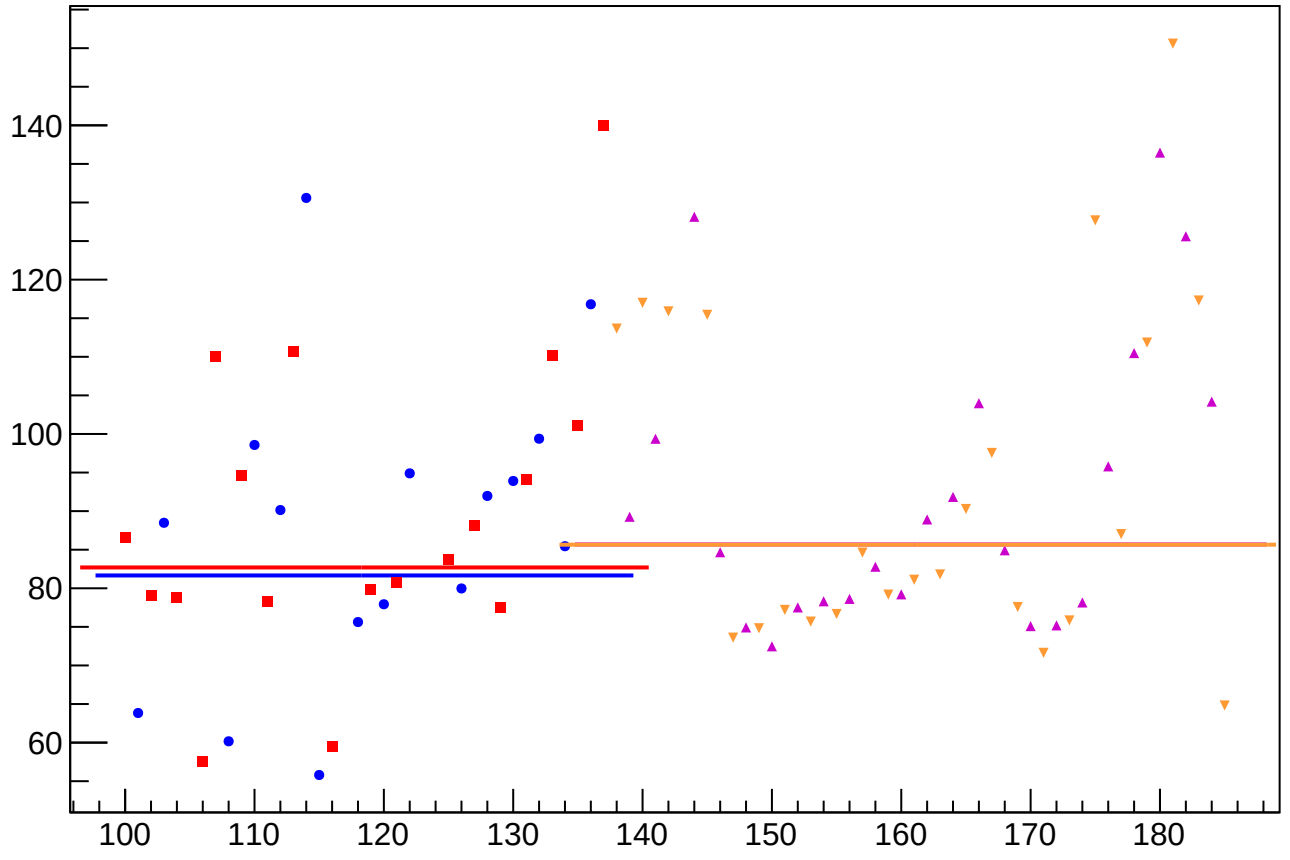
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

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

+ sign -0.006+/-0.017 χ^2/NDF: 41.5/39

All: -0.003+/-0.012 χ^2/NDF: 95.8/80

- 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: 85.651+/-0.015 χ^2/NDF:1352738.9/23

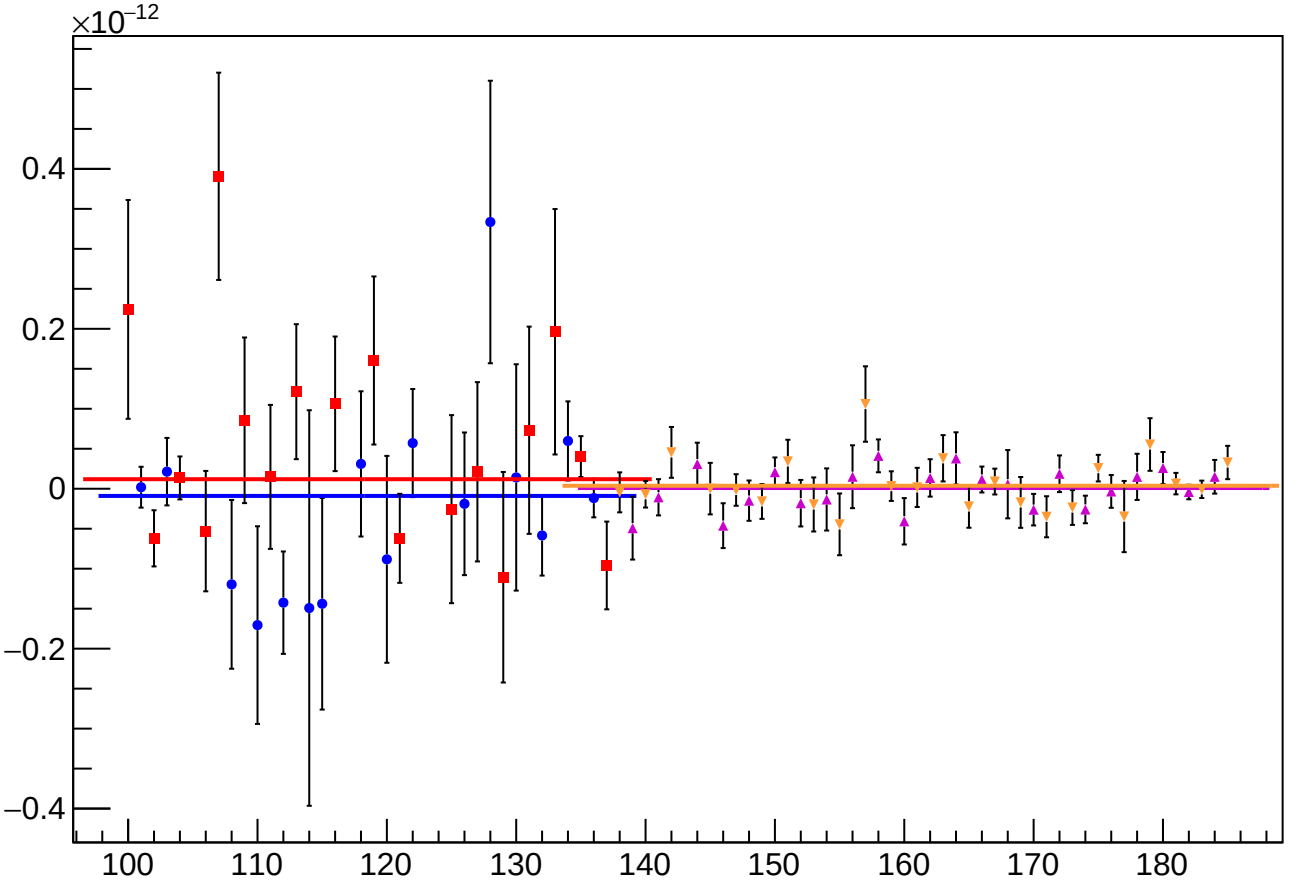
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

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

+ sign 84.455+/-0.012 χ^2/NDF: 1936869.5/39

All: 84.623+/-0.009 χ^2/NDF: 3418538.5/80

- 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:25.0/23

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

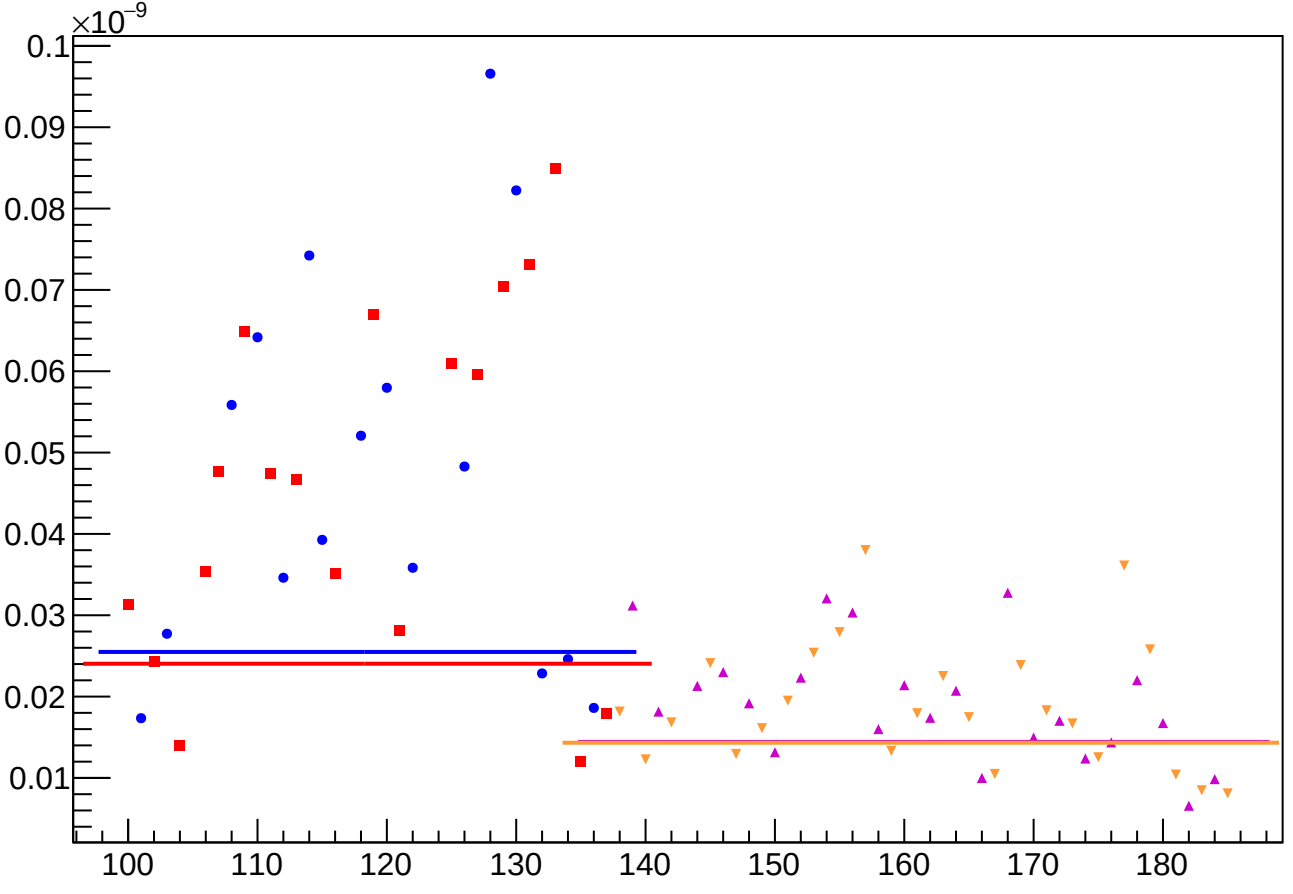
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.3/39

All: 0.000+/-0.000 χ^2/NDF: 98.6/80

- 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:3611096.1/23

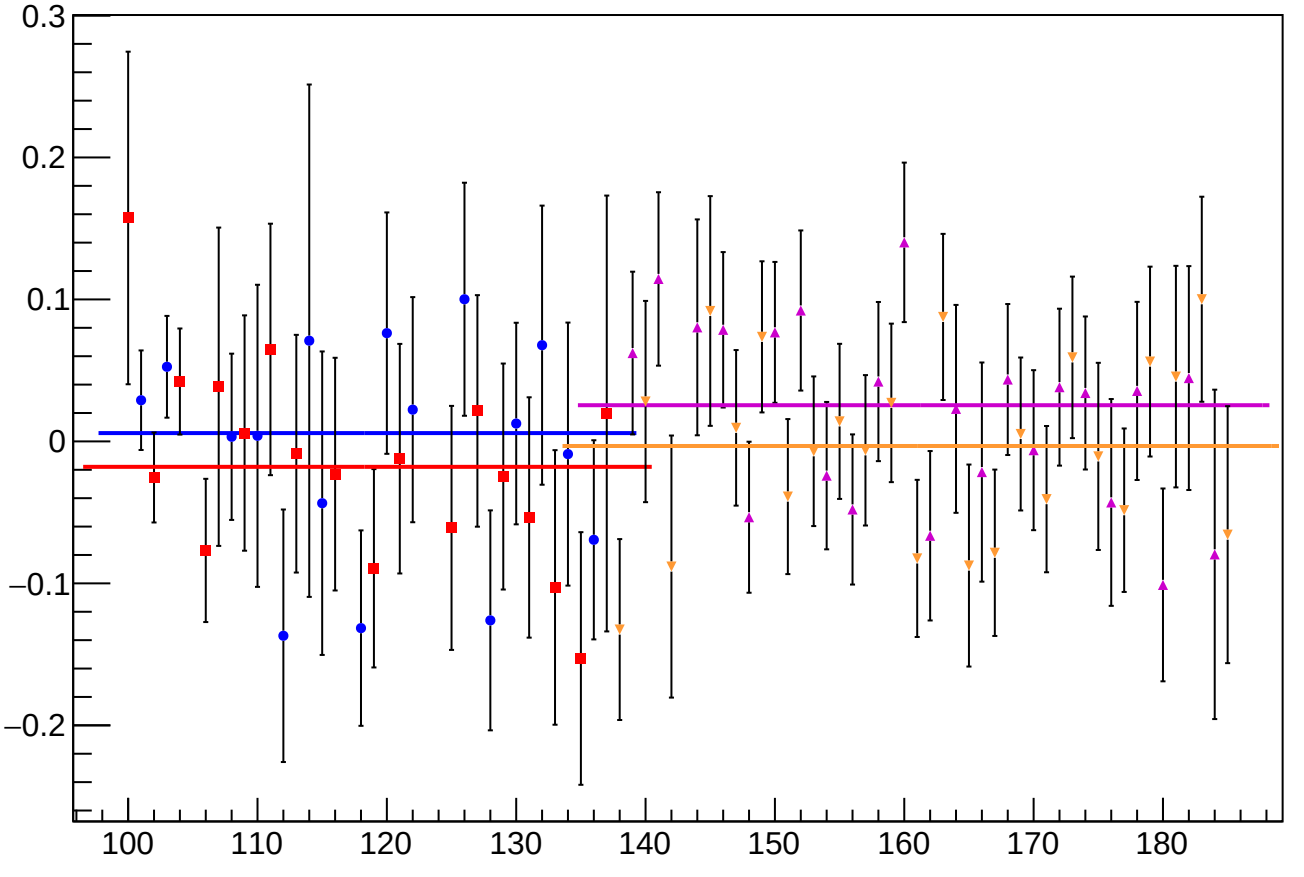
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 6890905.3/39

All: 0.000+/-0.000 χ^2/NDF: 15160400.2/80

- 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: -0.003+/-0.012 χ^2/NDF:23.1/23

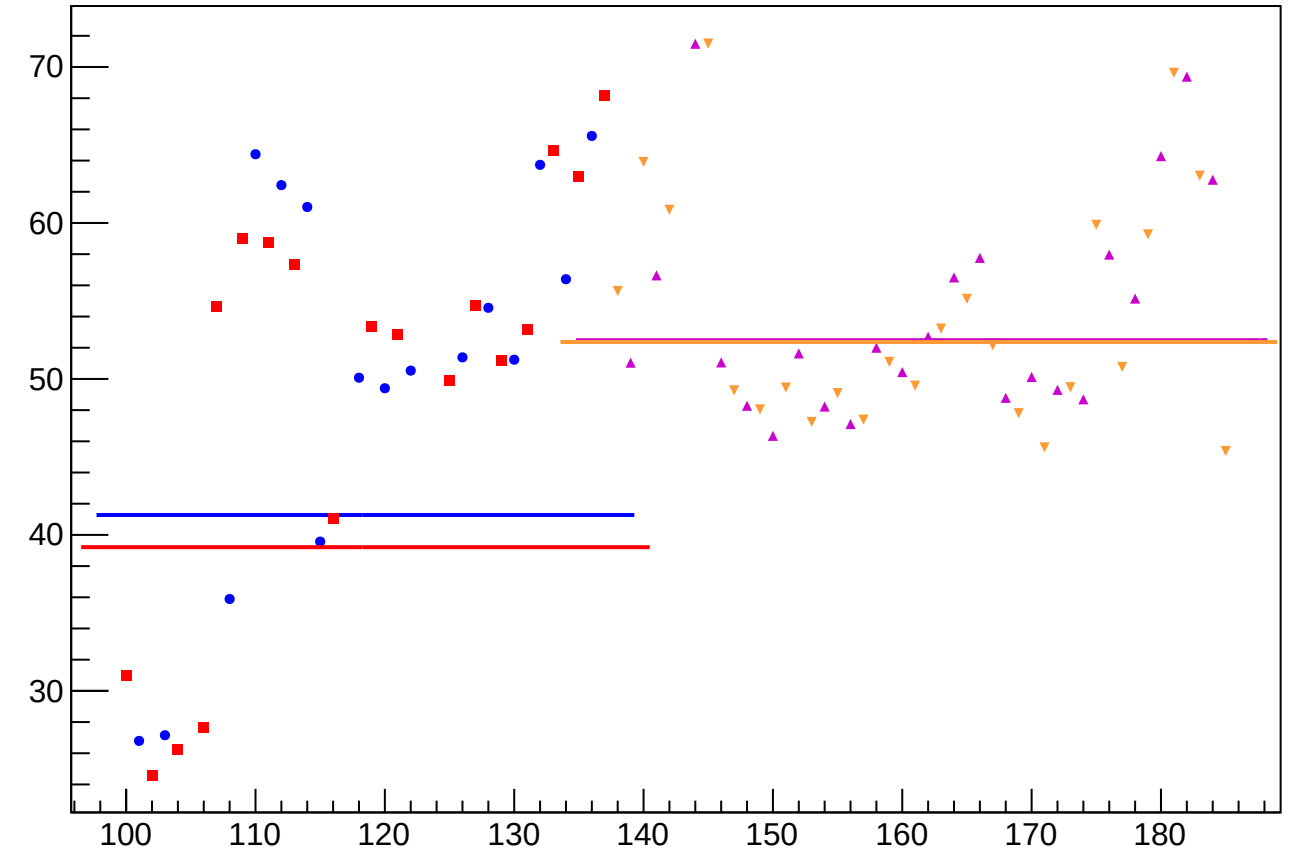
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

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

+ sign 0.000+/-0.010 χ^2/NDF: 38.9/39

All: 0.004+/-0.007 χ^2/NDF: 80.5/80

- 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: 52.367+/-0.009 χ^2/NDF:522031.5/23

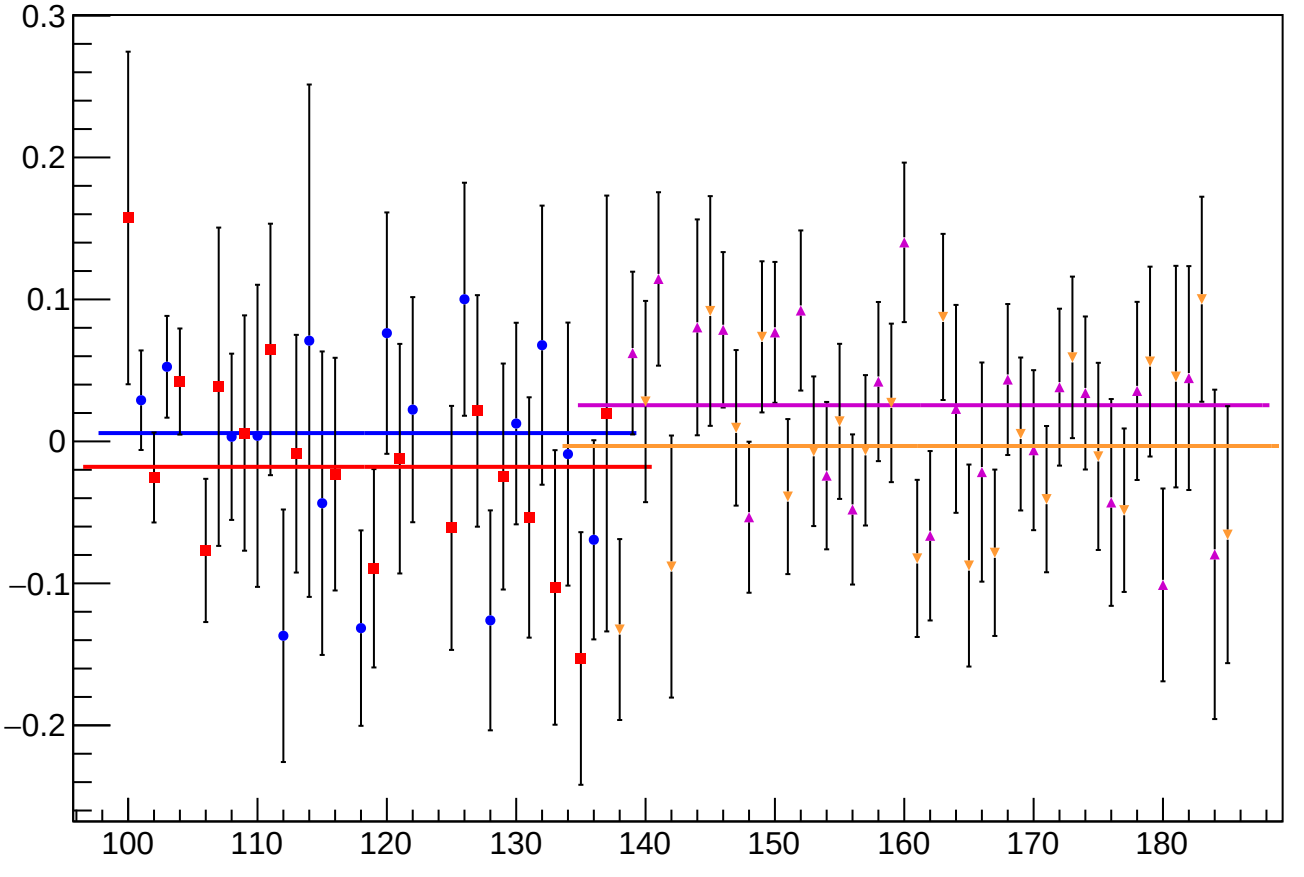
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

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

+ sign 48.363+/-0.007 χ^2/NDF: 2602799.5/39

All: 47.846+/-0.005 χ^2/NDF: 5750546.2/80

- 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: -0.003+/-0.012 χ^2/NDF:23.1/23

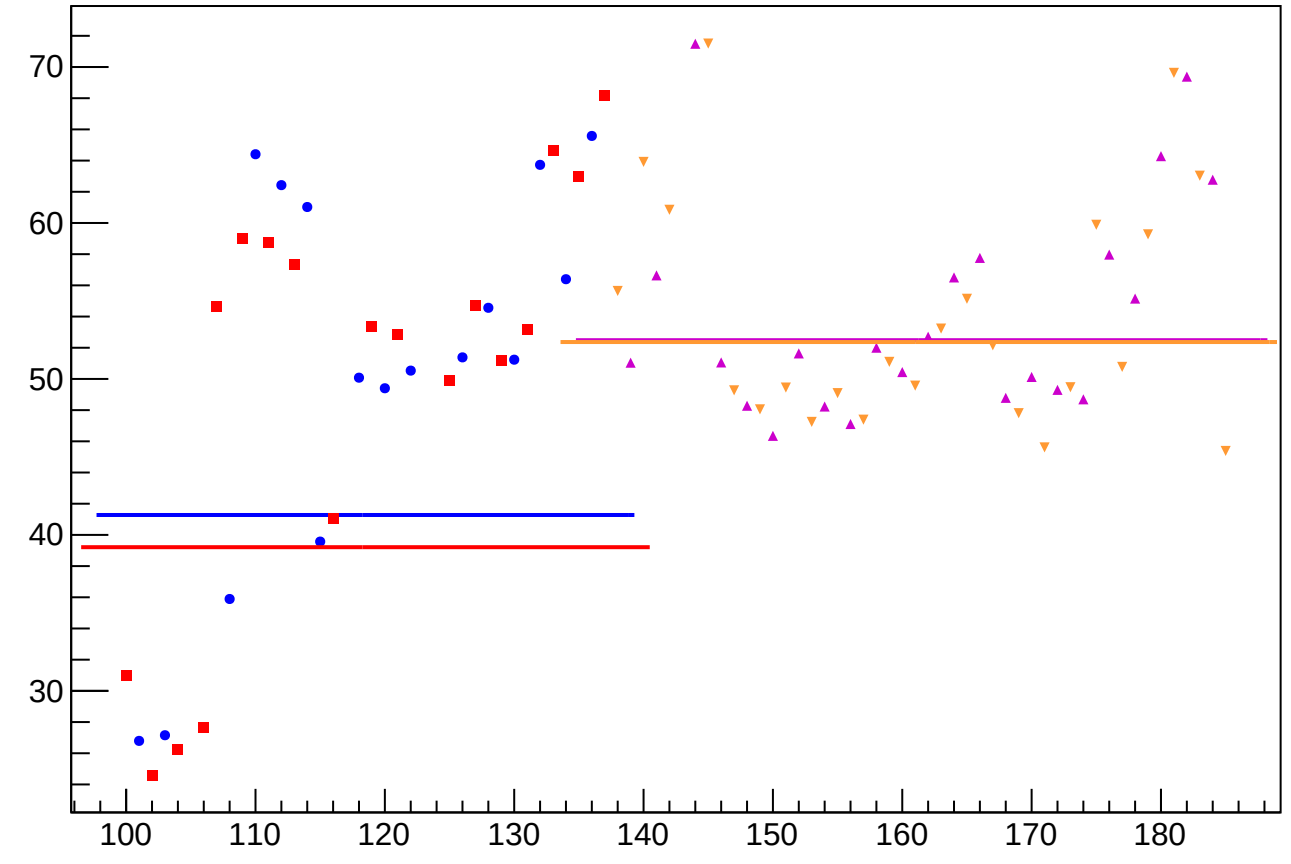
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

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

+ sign 0.000+/-0.010 χ^2/NDF: 38.9/39

All: 0.004+/-0.007 χ^2/NDF: 80.5/80

- 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: 52.367+/-0.009 χ^2/NDF:522031.5/23

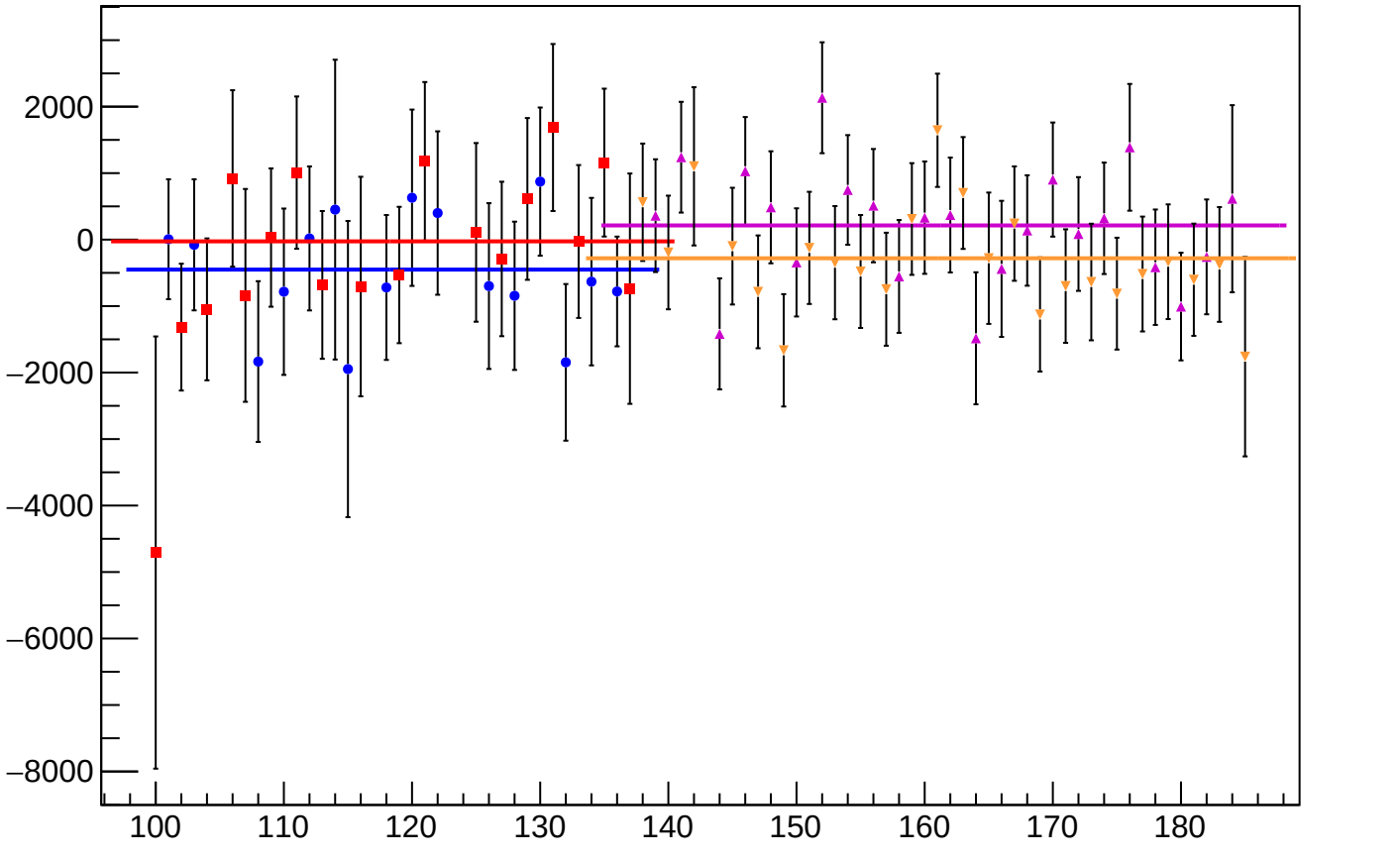
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

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

+ sign 48.363+/-0.007 χ^2/NDF: 2602799.5/39

All: 47.846+/-0.005 χ^2/NDF: 5750546.2/80

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



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

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

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

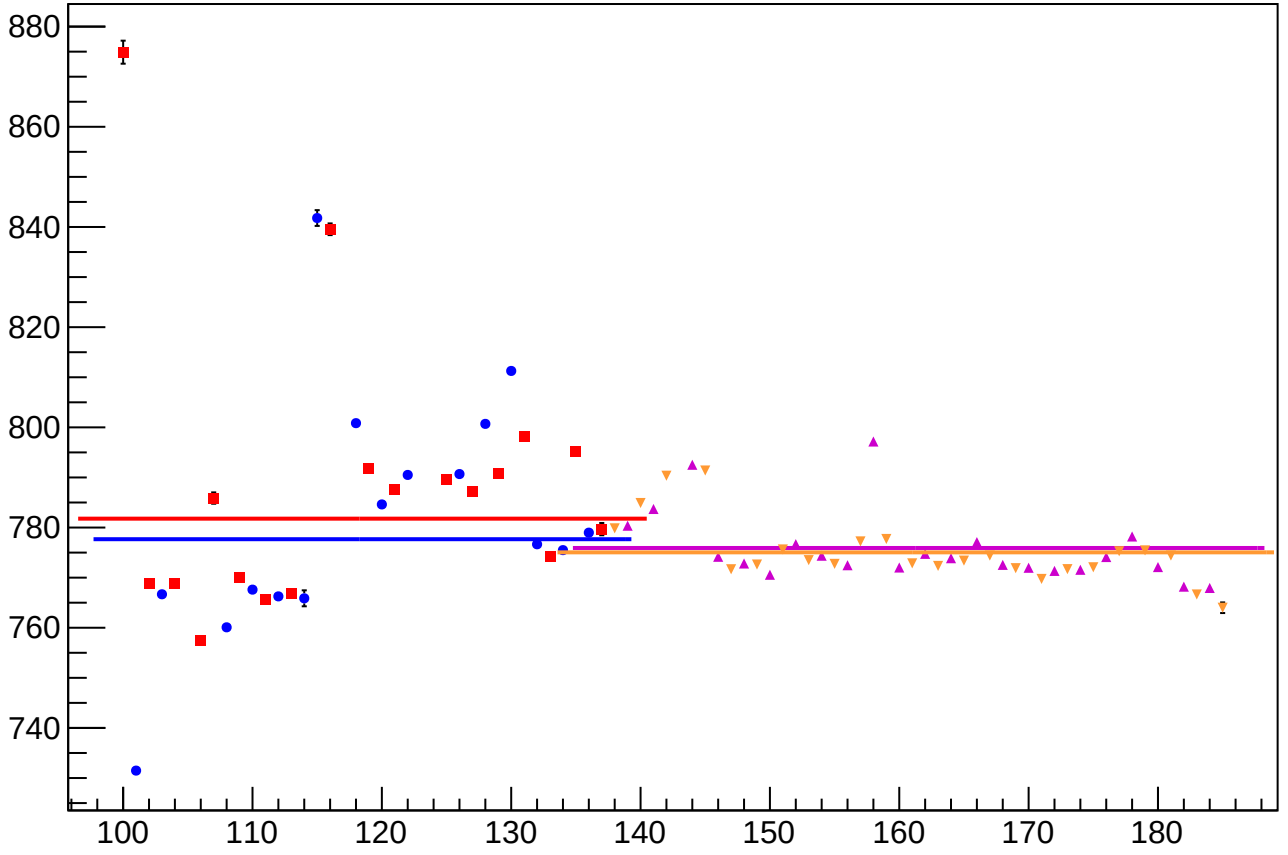
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -328.010+/-152.708 χ^2/NDF: 23.3/39

All: -92.246+/-108.211 χ^2/NDF: 62.6/80

- 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: 775.050+/-0.127 χ^2/NDF:1951.3/23

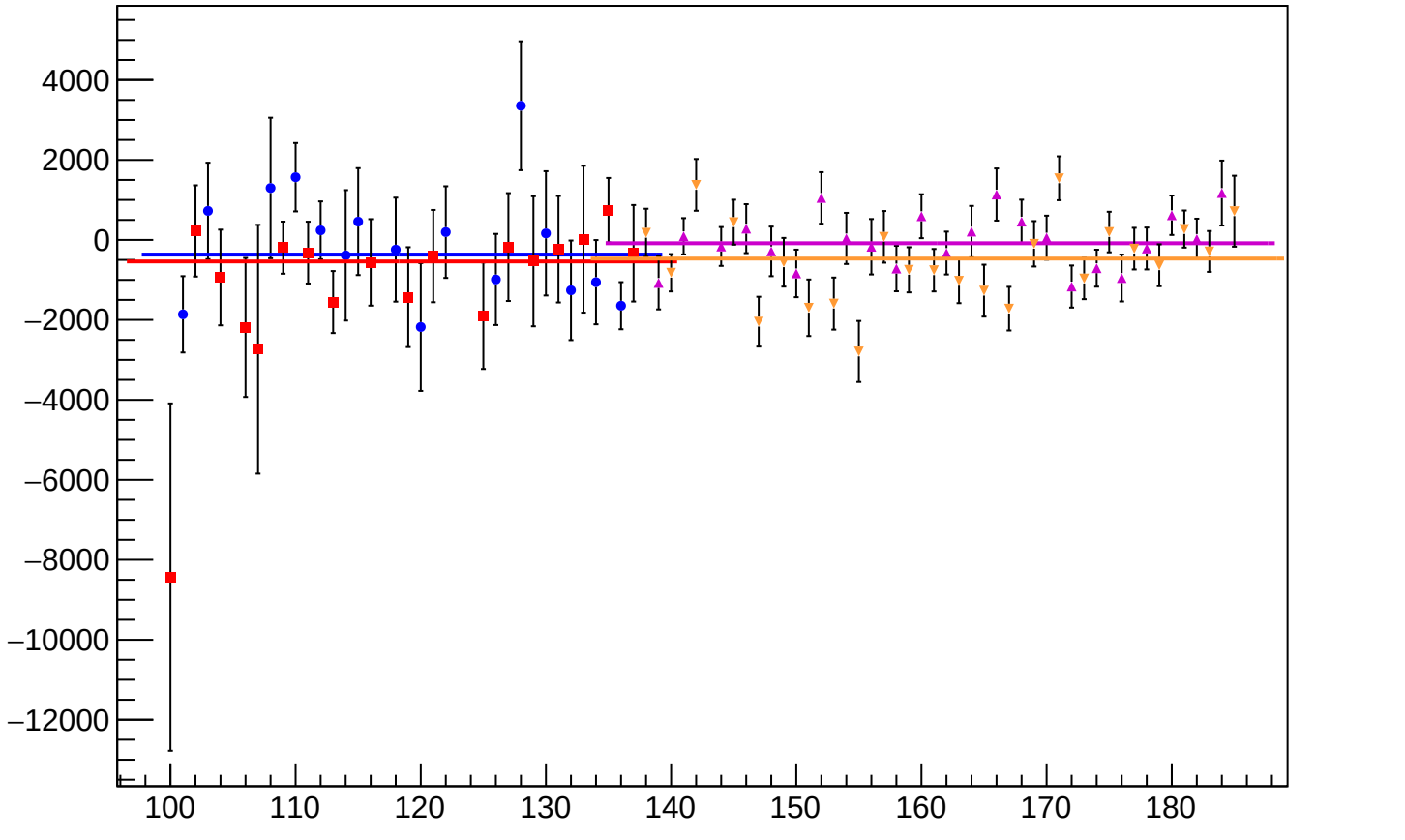
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 775.783+/-0.108 χ^2/NDF: 14125.7/39

All: 776.678+/-0.077 χ^2/NDF: 25455.0/80

- 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: -467.151+/-116.712 χ^2/NDF:64.4/23

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

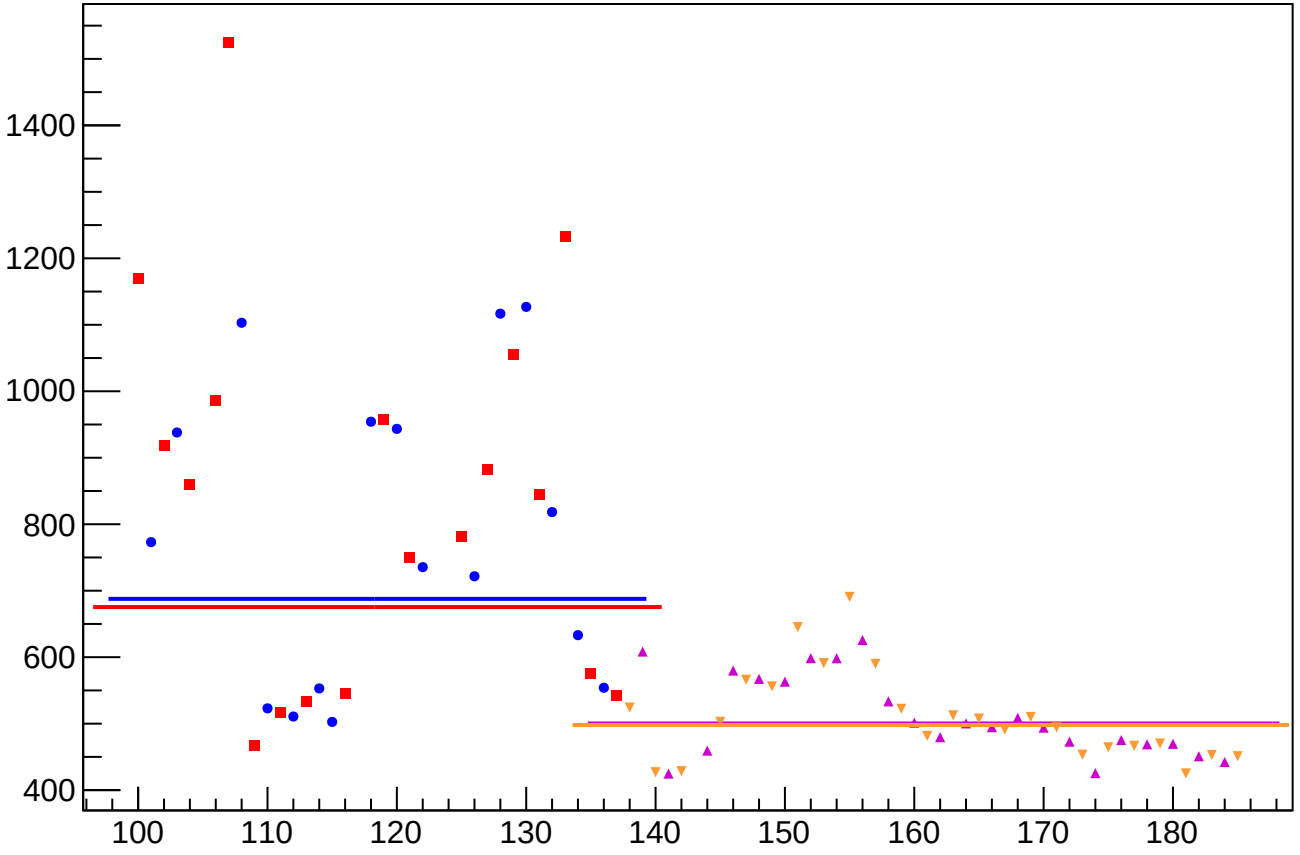
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -451.055+/-106.922 χ^2/NDF: 87.9/39

All: -306.004+/-75.812 χ^2/NDF: 133.8/80

- 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: 497.966+/-0.083 χ^2/NDF:526993.3/23

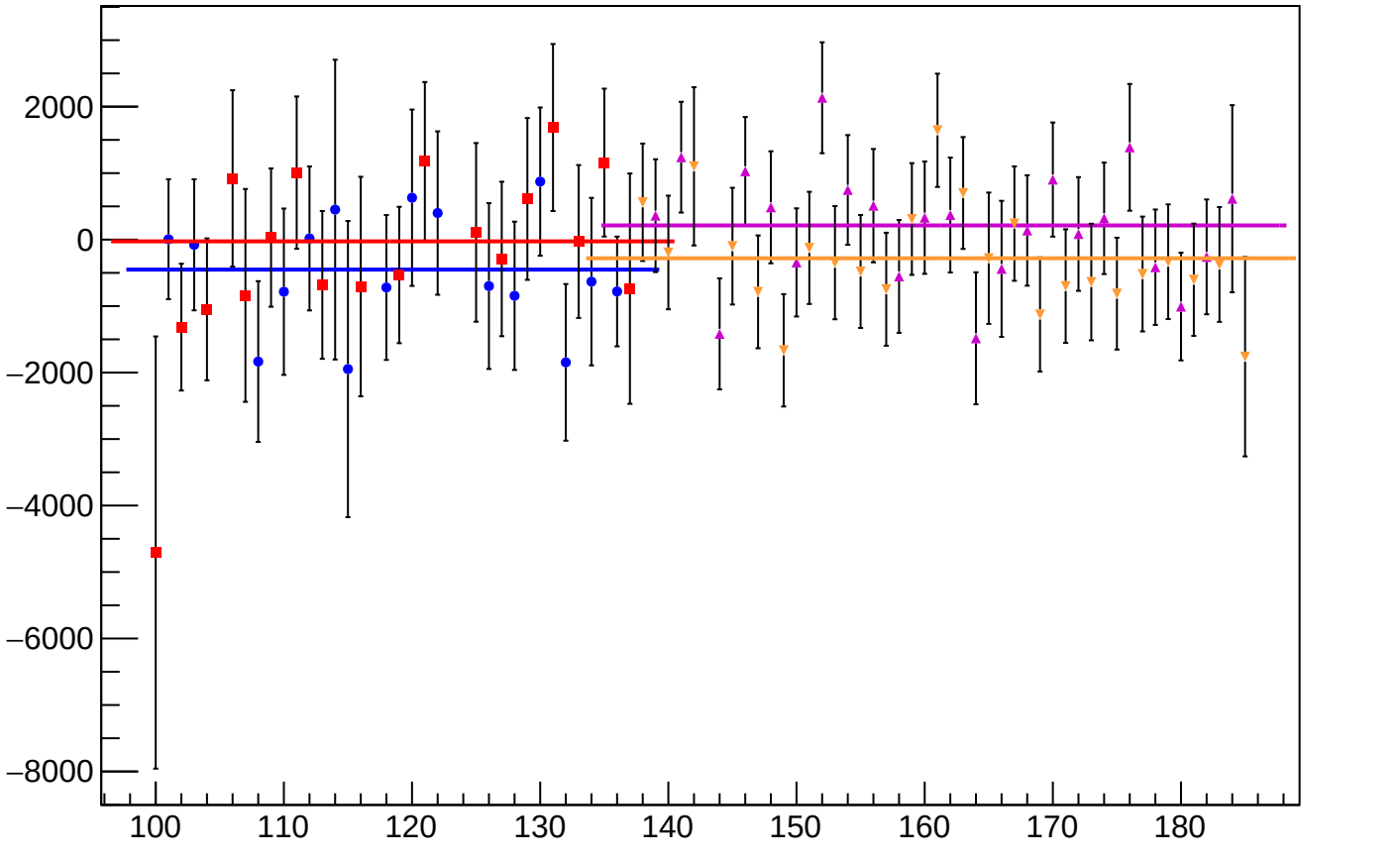
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

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

+ sign 528.464+/-0.076 χ^2/NDF: 2408588.1/39

All: 529.022+/-0.054 χ^2/NDF: 4937920.3/80

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



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

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

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

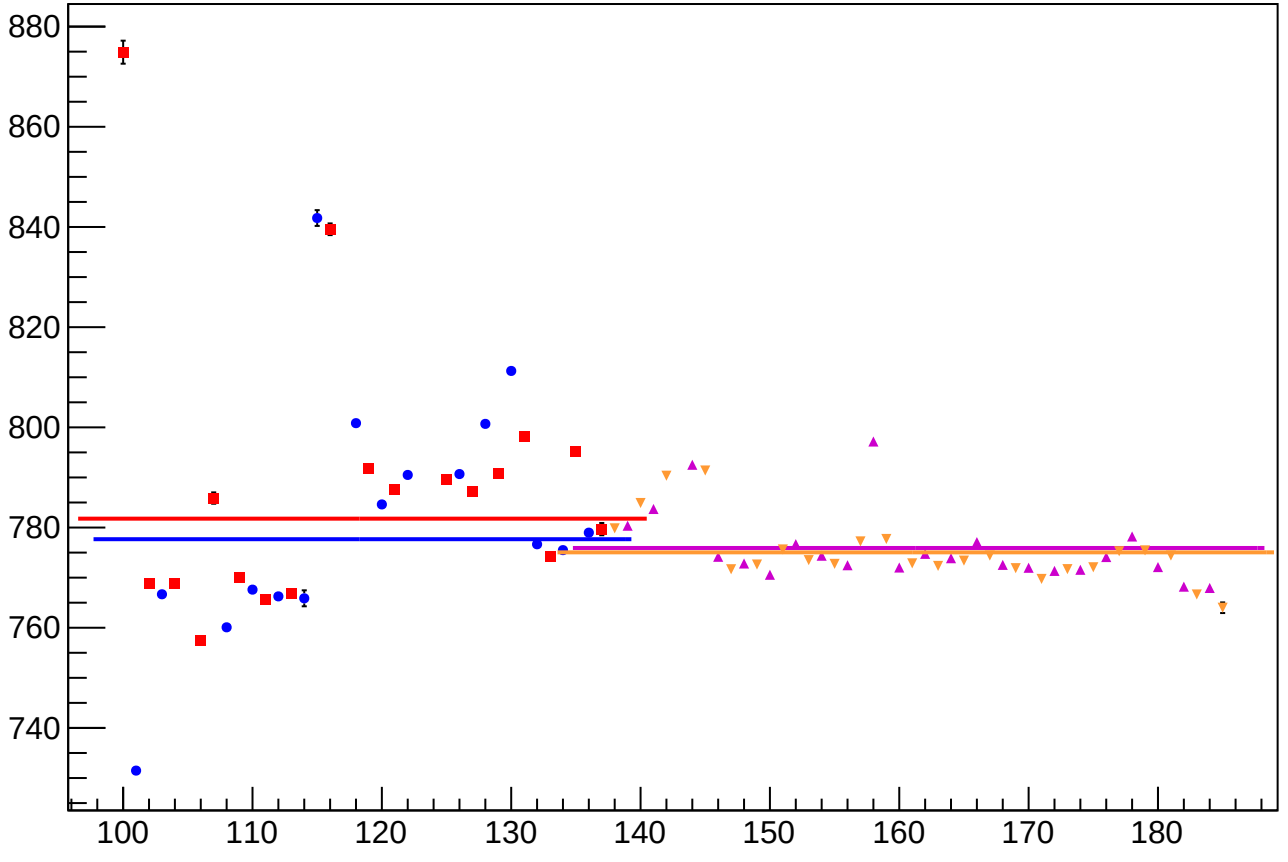
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -328.010+/-152.708 χ^2/NDF: 23.3/39

All: -92.246+/-108.211 χ^2/NDF: 62.6/80

- 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: 775.050+/-0.127 χ^2/NDF:1951.3/23

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

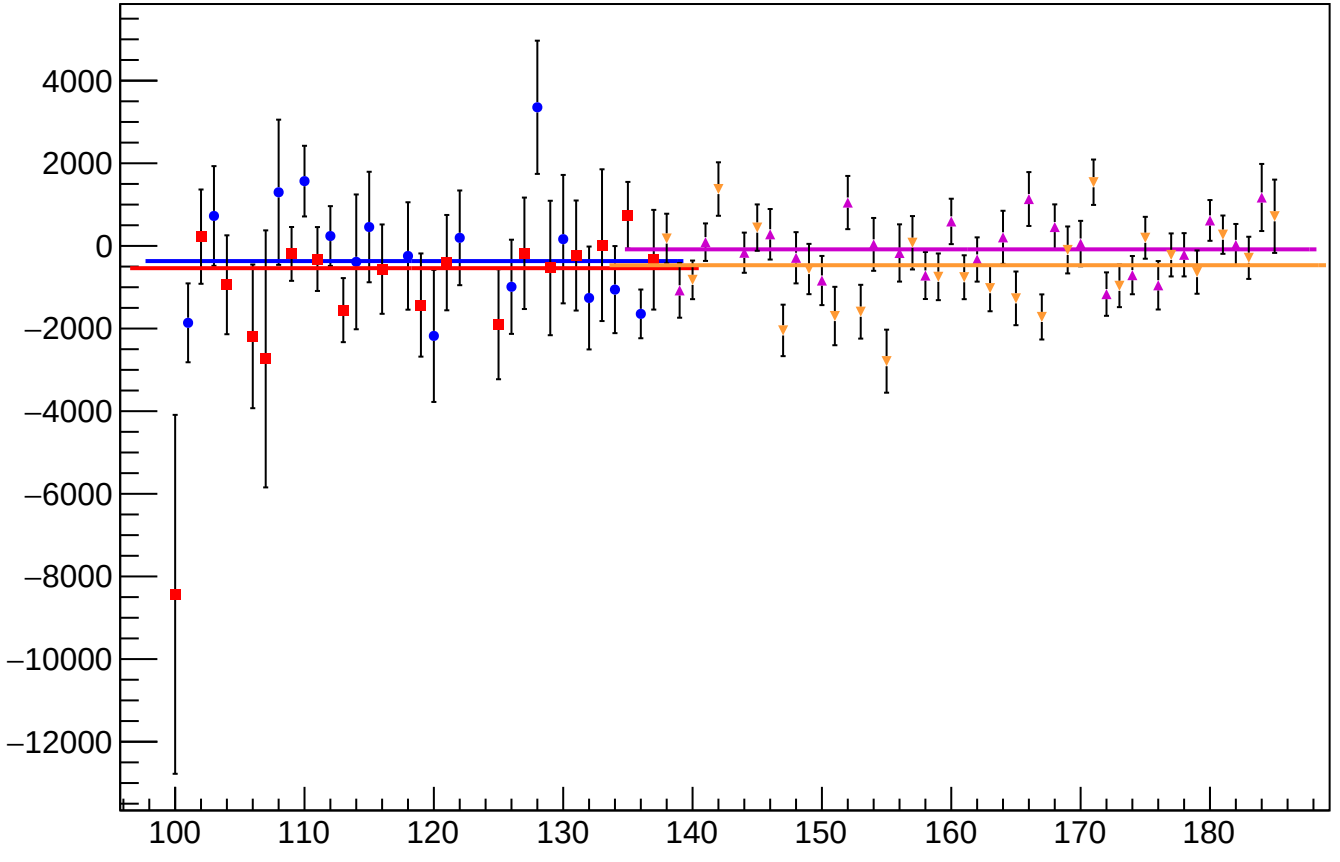
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

\+ sign 775.783+/-0.108 χ^2/NDF: 14125.7/39

All: 776.678+/-0.077 χ^2/NDF: 25455.0/80

\- 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: -467.151+/-116.712 χ^2/NDF:64.4/23

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

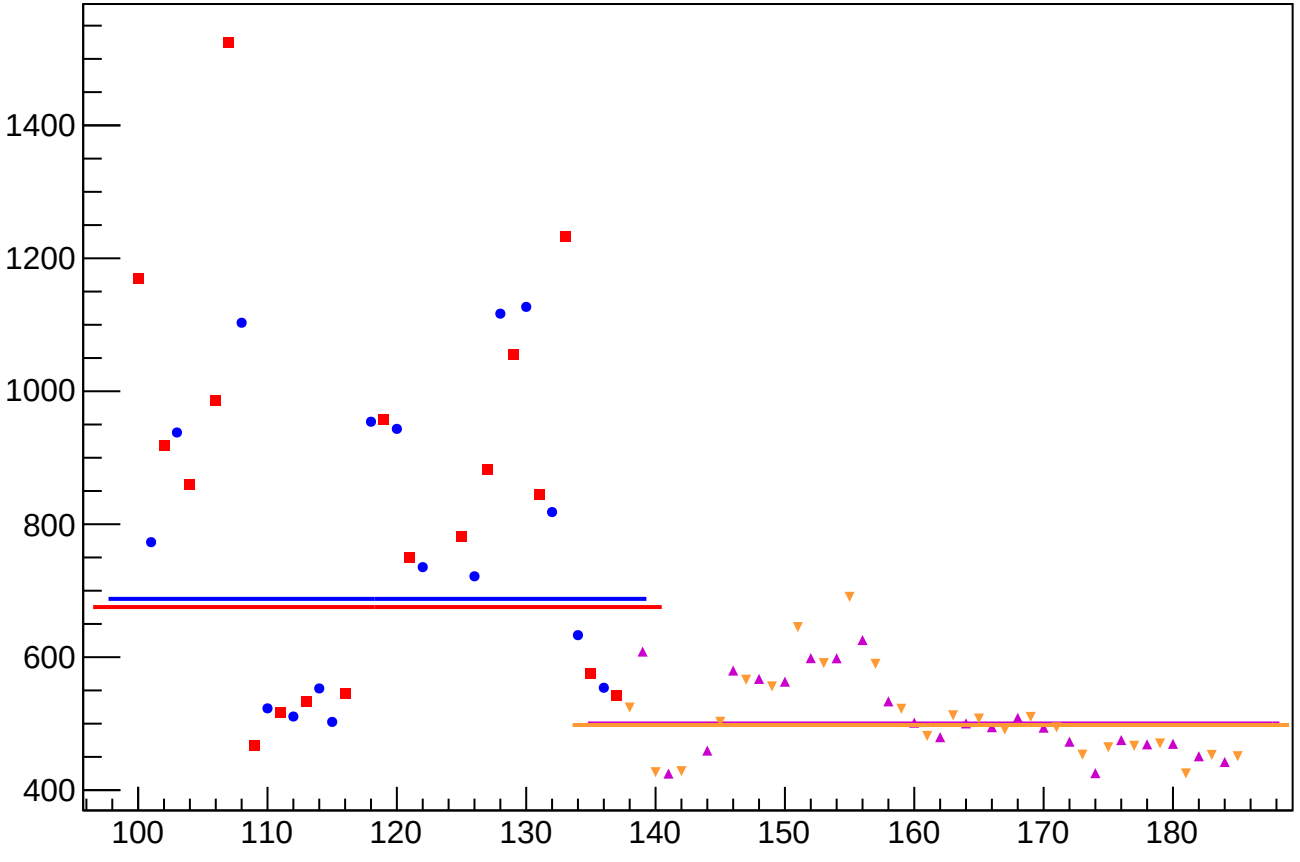
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -451.055+/-106.922 χ^2/NDF: 87.9/39

All: -306.004+/-75.812 χ^2/NDF: 133.8/80

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

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

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

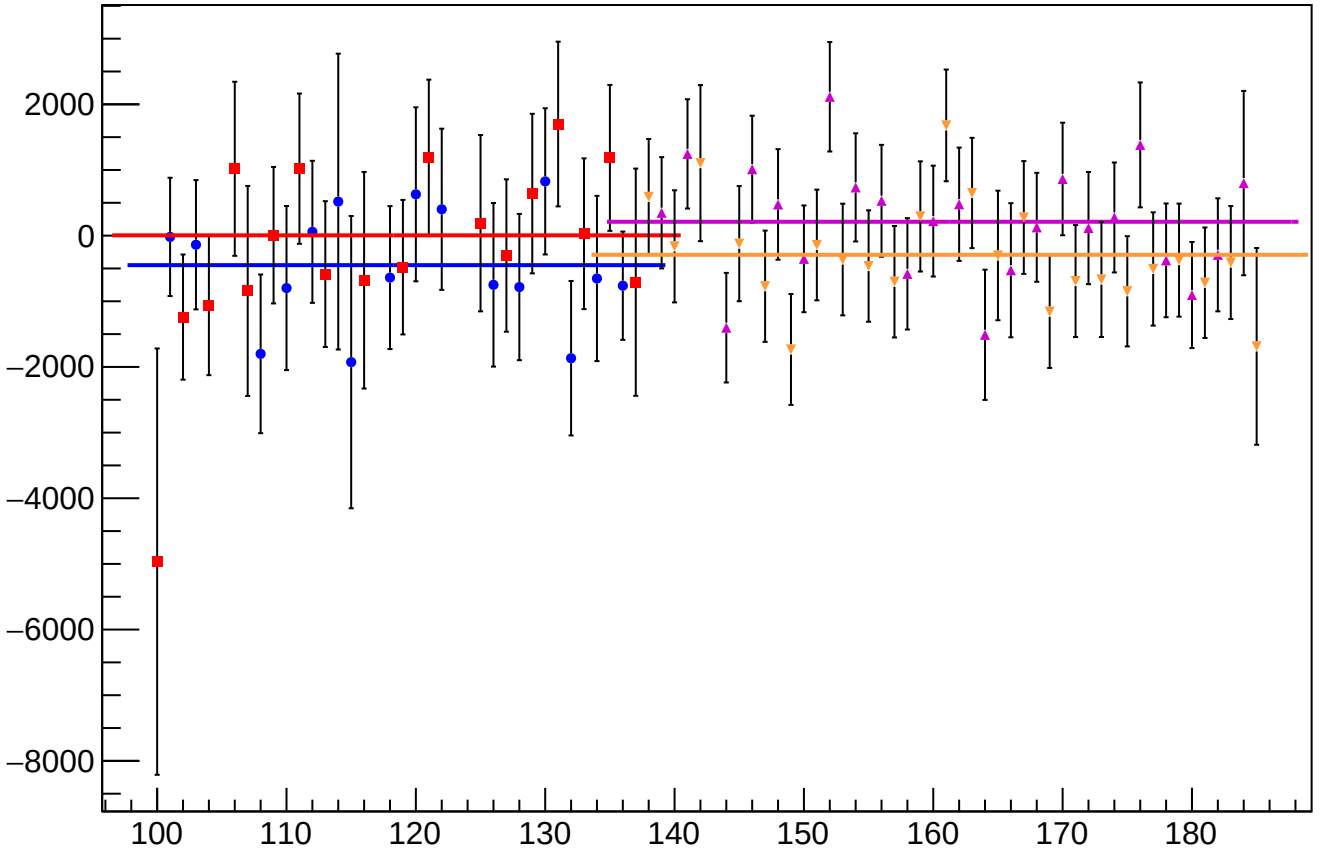
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 528.464+/-0.076 χ^2/NDF: 2408588.1/39

All: 529.022+/-0.054 χ^2/NDF: 4937920.3/80

- 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: -292.036+/-179.670 χ^2/NDF:16.6/23

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

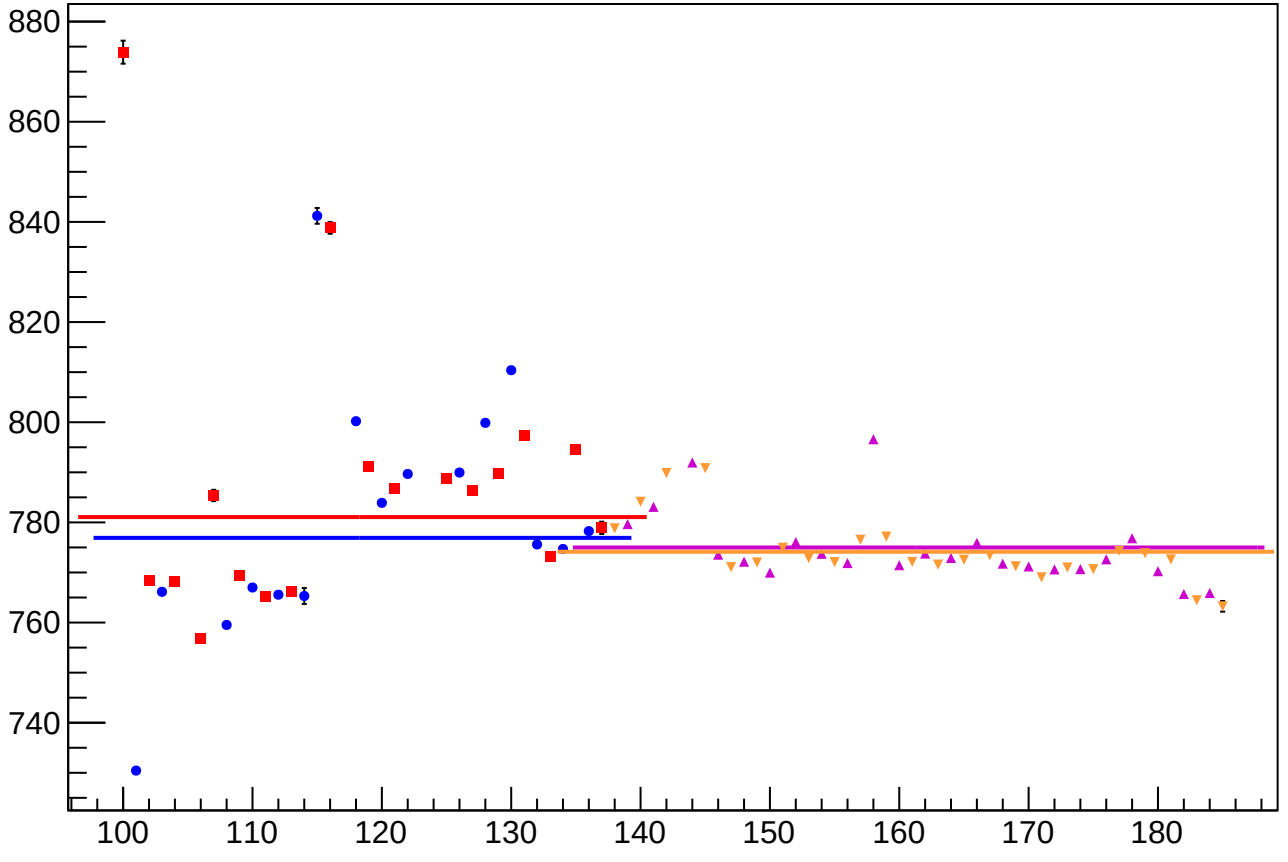
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -335.984+/-152.537 χ^2/NDF: 23.6/39

All: -92.680+/-108.090 χ^2/NDF: 63.0/80

- 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: 774.142+/-0.127 χ^2/NDF:2060.4/23

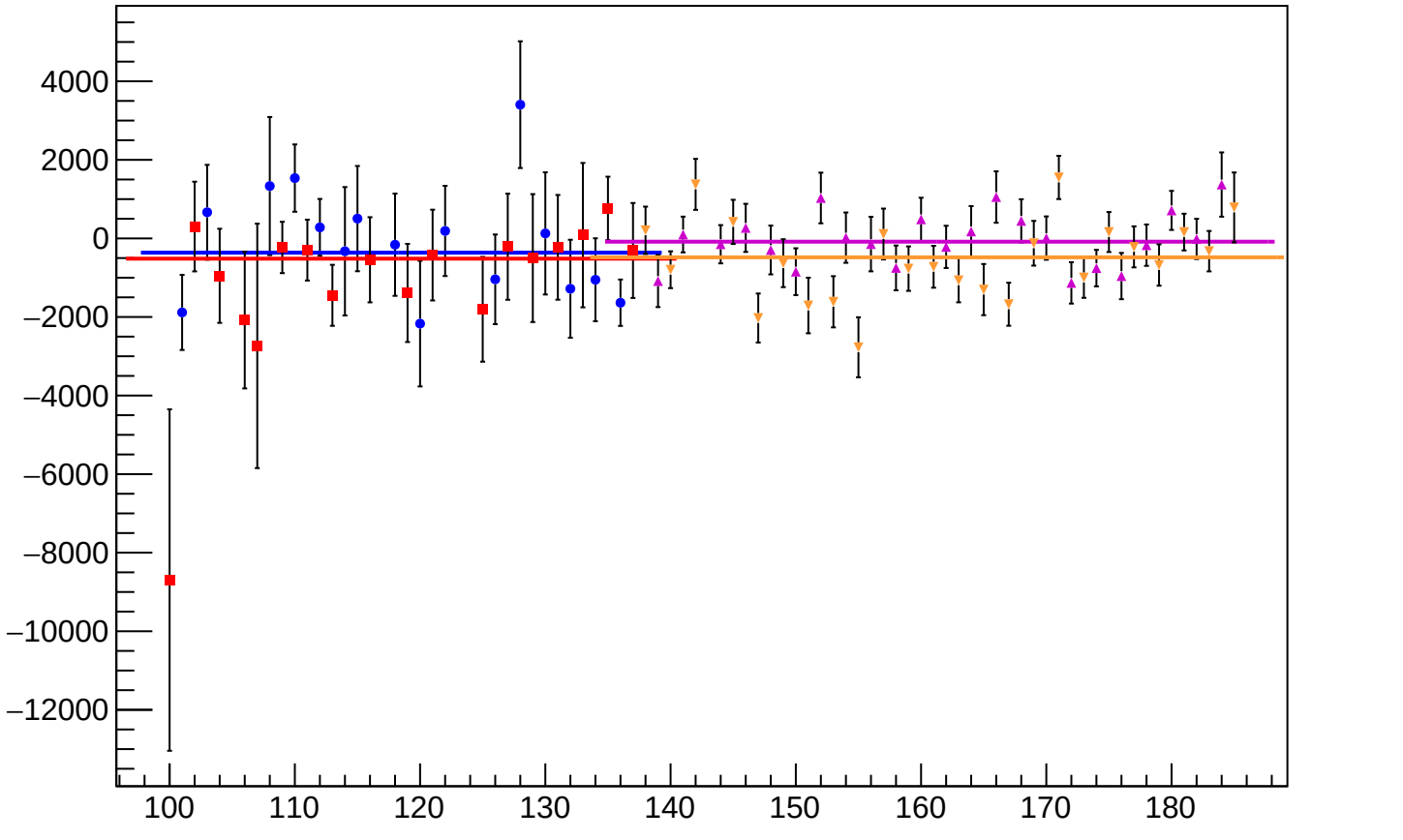
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

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

+ sign 774.916+/-0.108 χ^2/NDF: 14316.8/39

All: 775.809+/-0.076 χ^2/NDF: 25826.4/80

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



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

Left Out: -481.314+/-117.092 χ^2/NDF:63.5/23

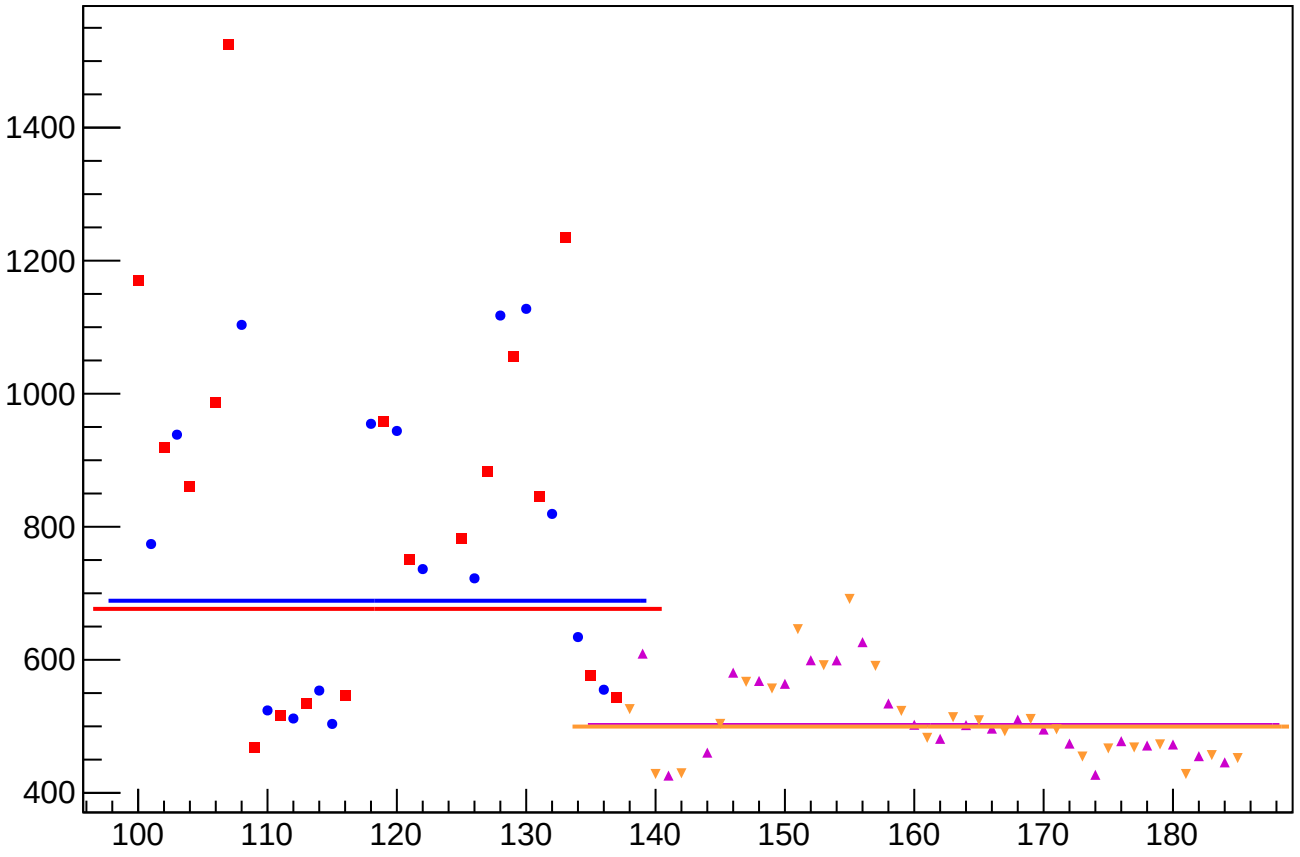
Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -462.209+/-107.239 χ^2/NDF: 87.1/39

All: -309.777+/-76.037 χ^2/NDF: 133.0/80

- sign -155.664+/-107.828 χ^2/NDF: 41.9/40



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

Left Out: 499.670+/-0.083 χ^2/NDF:516314.6/23

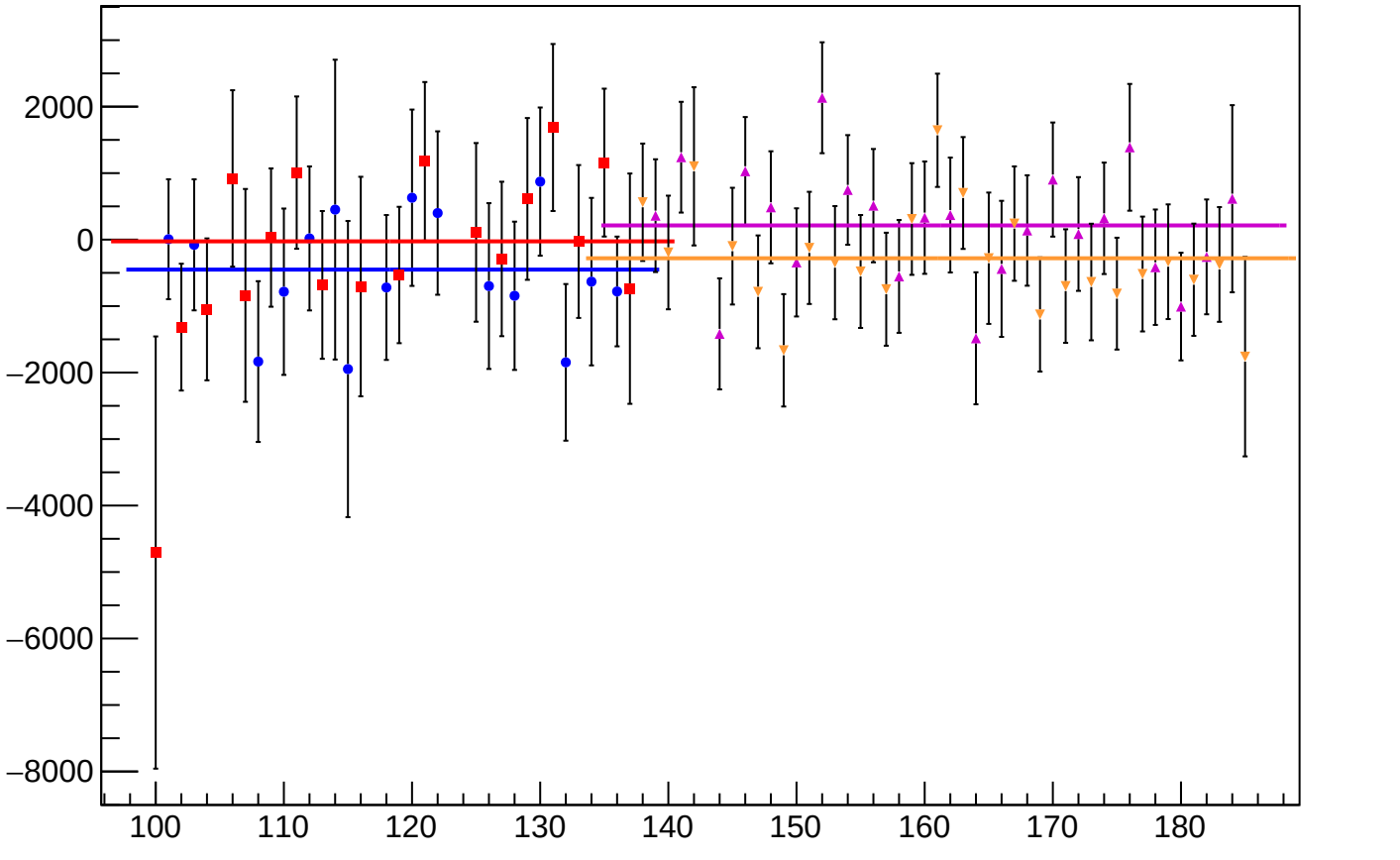
Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

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

+ sign 530.165+/-0.076 χ^2/NDF: 2385891.4/39

All: 530.729+/-0.054 χ^2/NDF: 4892991.1/80

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



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

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

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

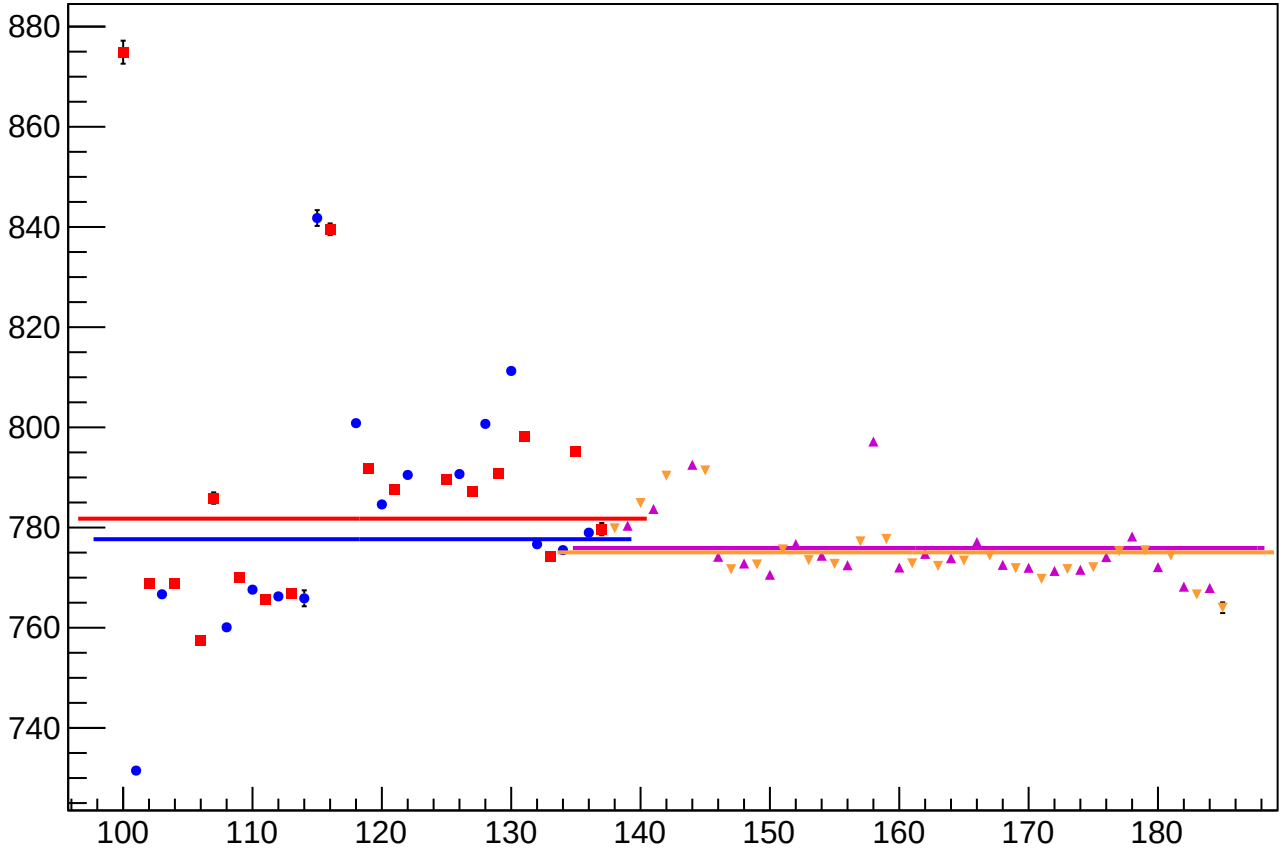
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -328.010+/-152.708 χ^2/NDF: 23.3/39

All: -92.246+/-108.211 χ^2/NDF: 62.6/80

- 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: 775.050+/-0.127 χ^2/NDF:1951.3/23

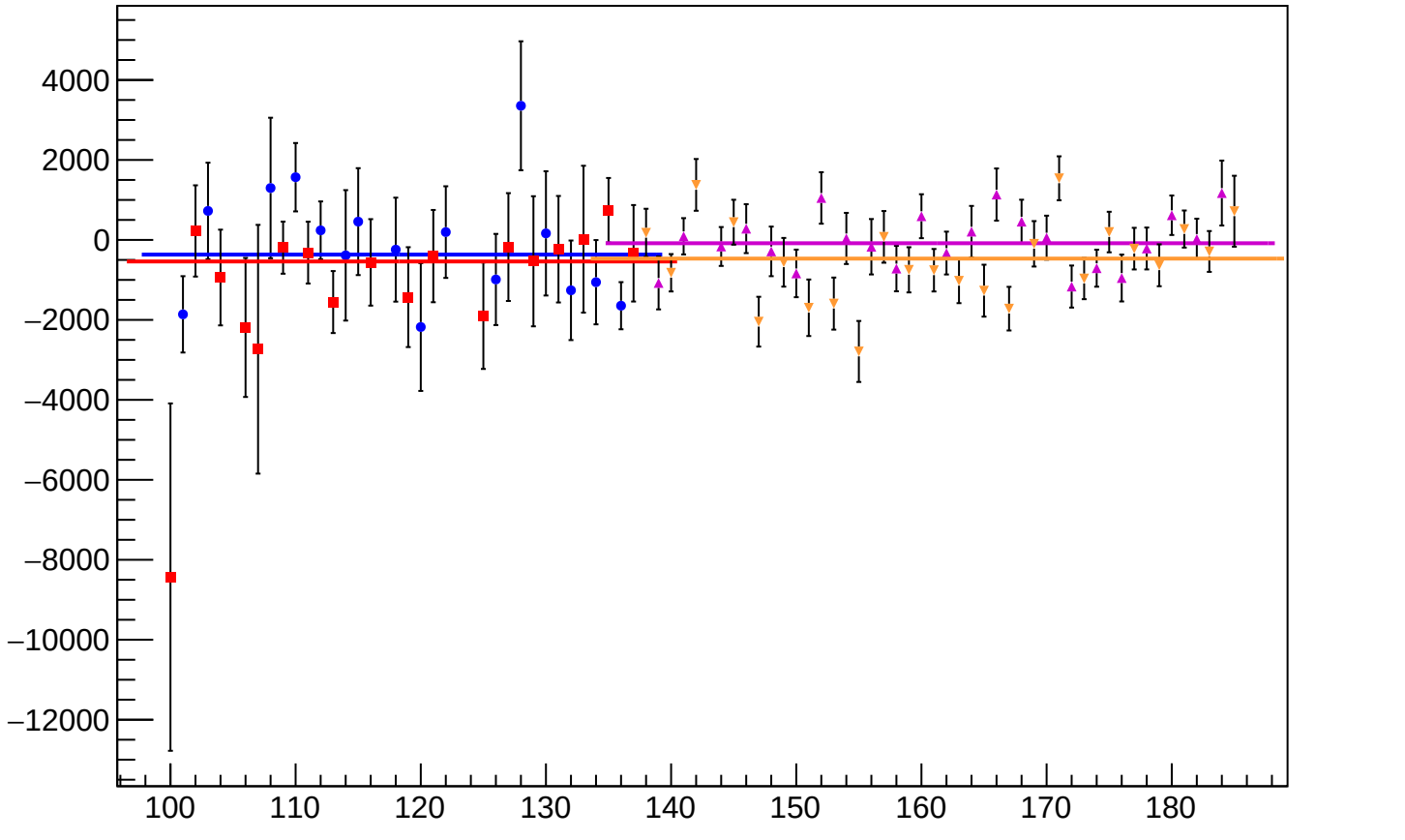
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 775.783+/-0.108 χ^2/NDF: 14125.7/39

All: 776.678+/-0.077 χ^2/NDF: 25455.0/80

- 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: -467.151+/-116.712 χ^2/NDF:64.4/23

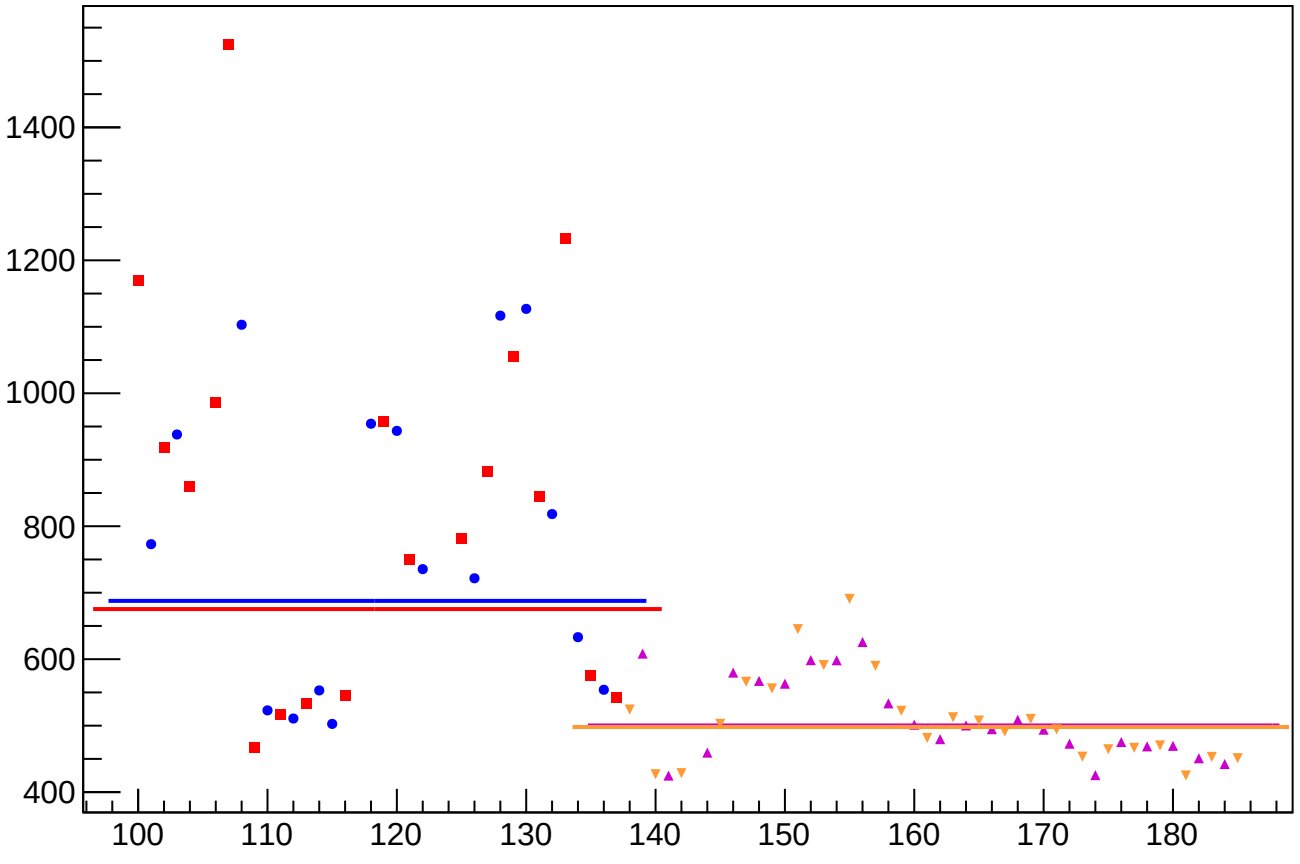
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

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

+ sign -451.055+/-106.922 χ^2/NDF: 87.9/39

All: -306.004+/-75.812 χ^2/NDF: 133.8/80

- 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: 497.966+/-0.083 χ^2/NDF:526993.3/23

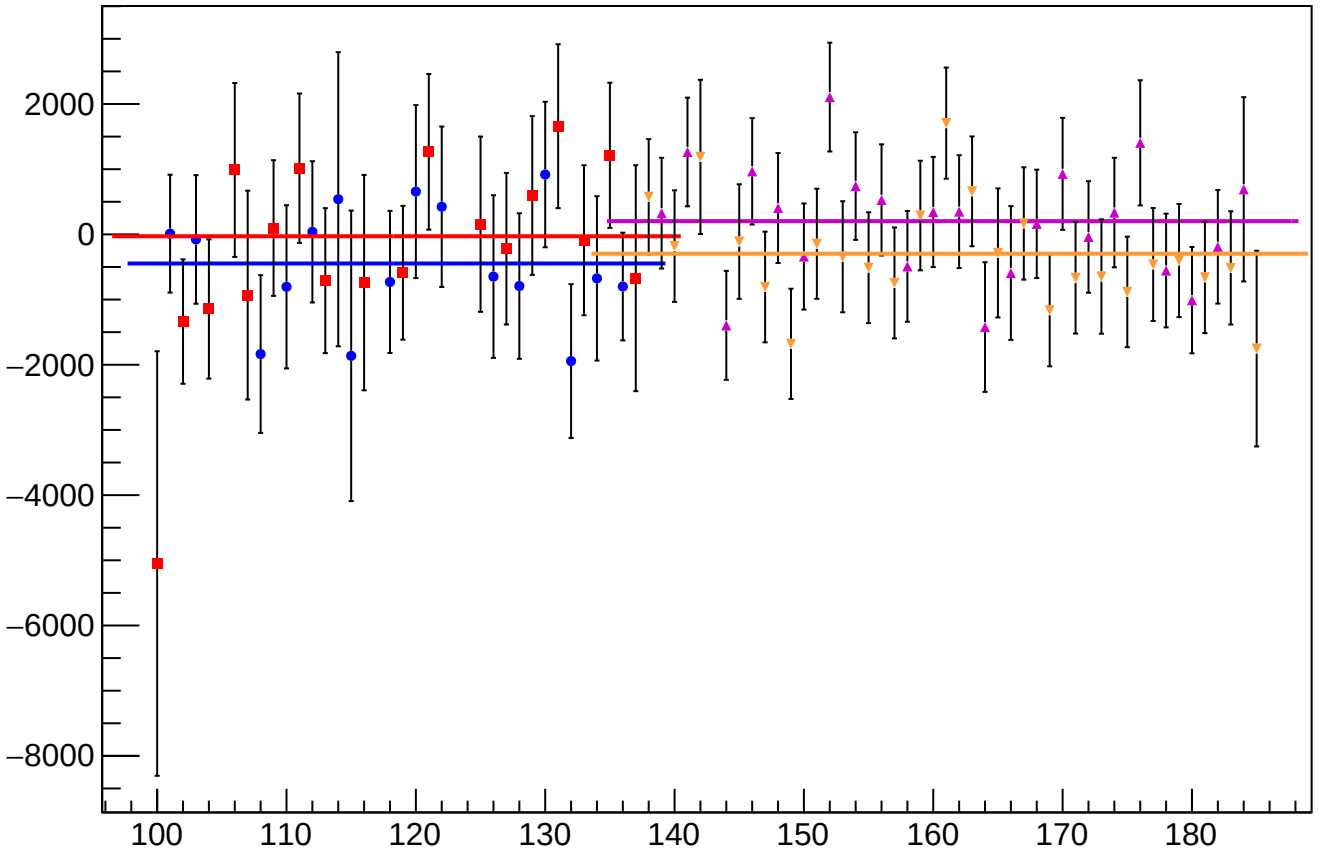
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

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

+ sign 528.464+/-0.076 χ^2/NDF: 2408588.1/39

All: 529.022+/-0.054 χ^2/NDF: 4937920.3/80

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



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

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

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

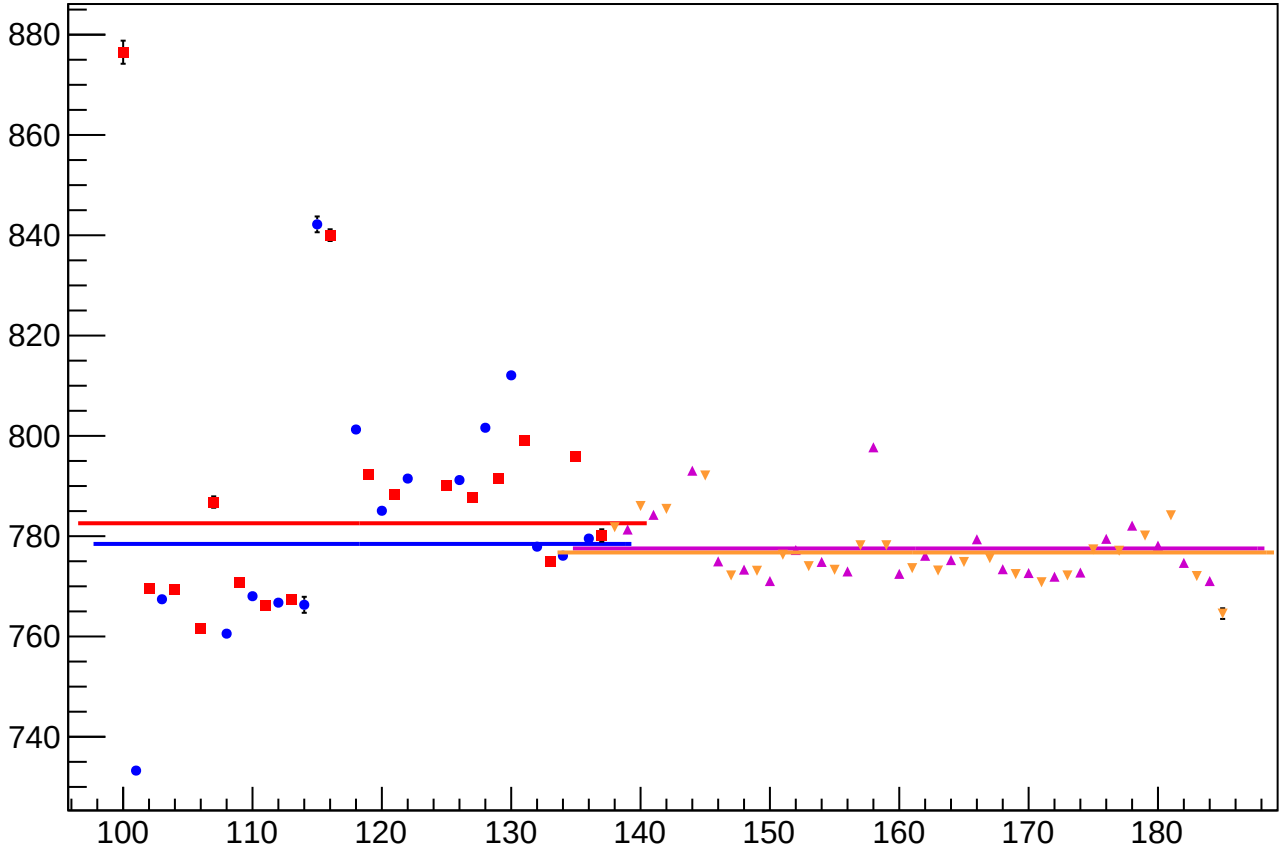
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -338.708+/-152.995 χ^2/NDF: 24.2/39

All: -101.626+/-108.410 χ^2/NDF: 64.2/80

- 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: 776.751+/-0.127 χ^2/NDF:1826.3/23

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

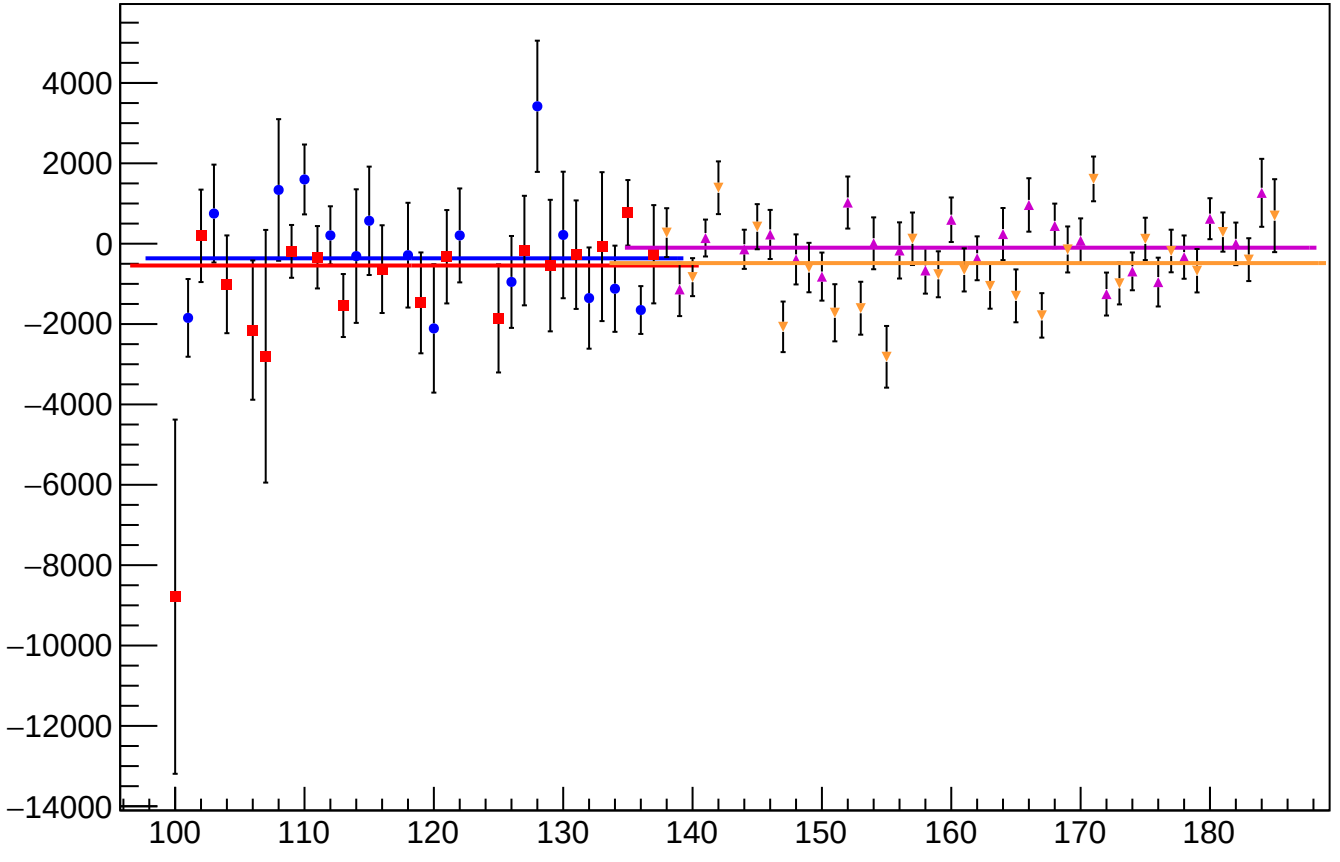
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 777.228+/-0.108 χ^2/NDF: 13671.6/39

All: 778.098+/-0.077 χ^2/NDF: 24468.8/80

- 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: -482.886+/-118.805 χ^2/NDF:65.1/23

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

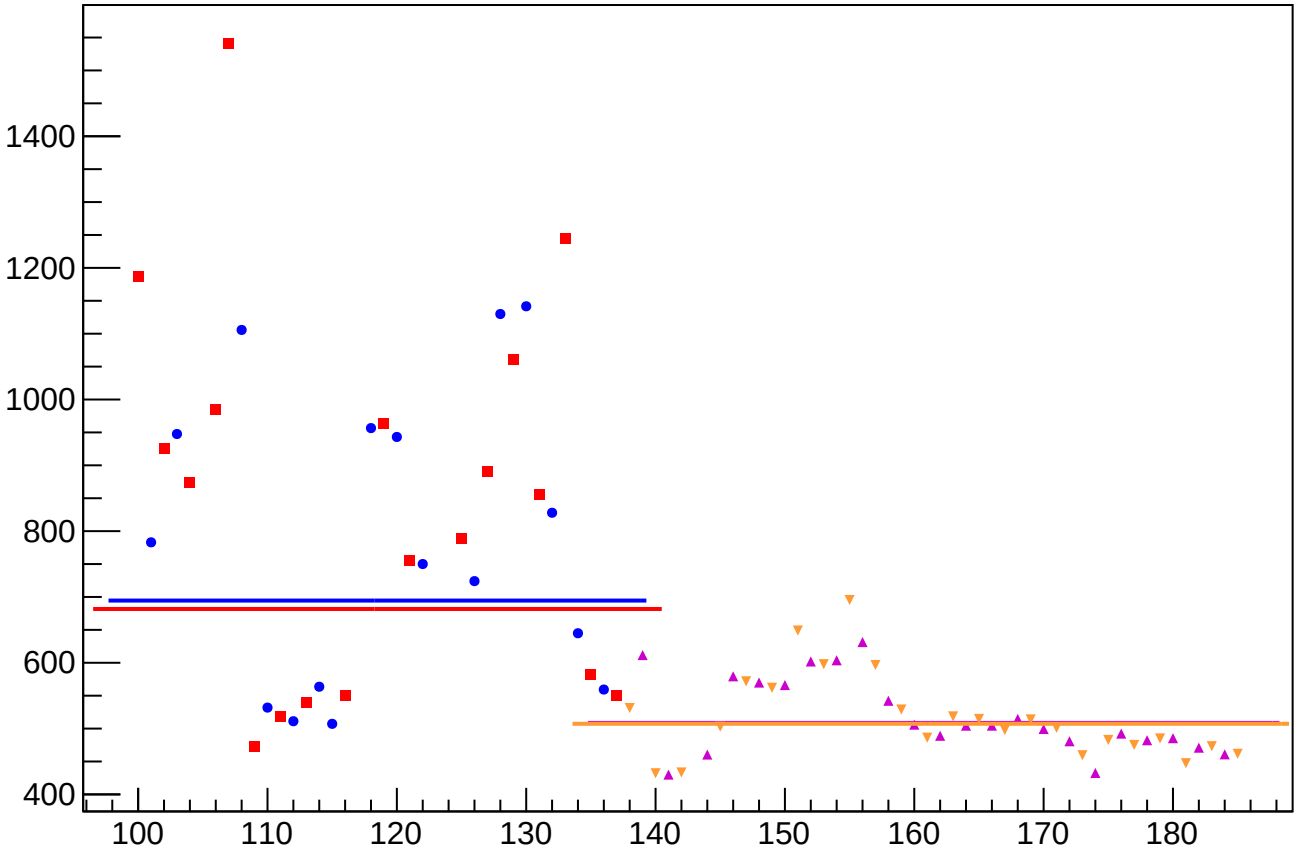
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -463.516+/-108.699 χ^2/NDF: 88.6/39

All: -319.717+/-76.999 χ^2/NDF: 133.6/80

- 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: 507.319+/-0.084 χ^2/NDF:473982.3/23

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

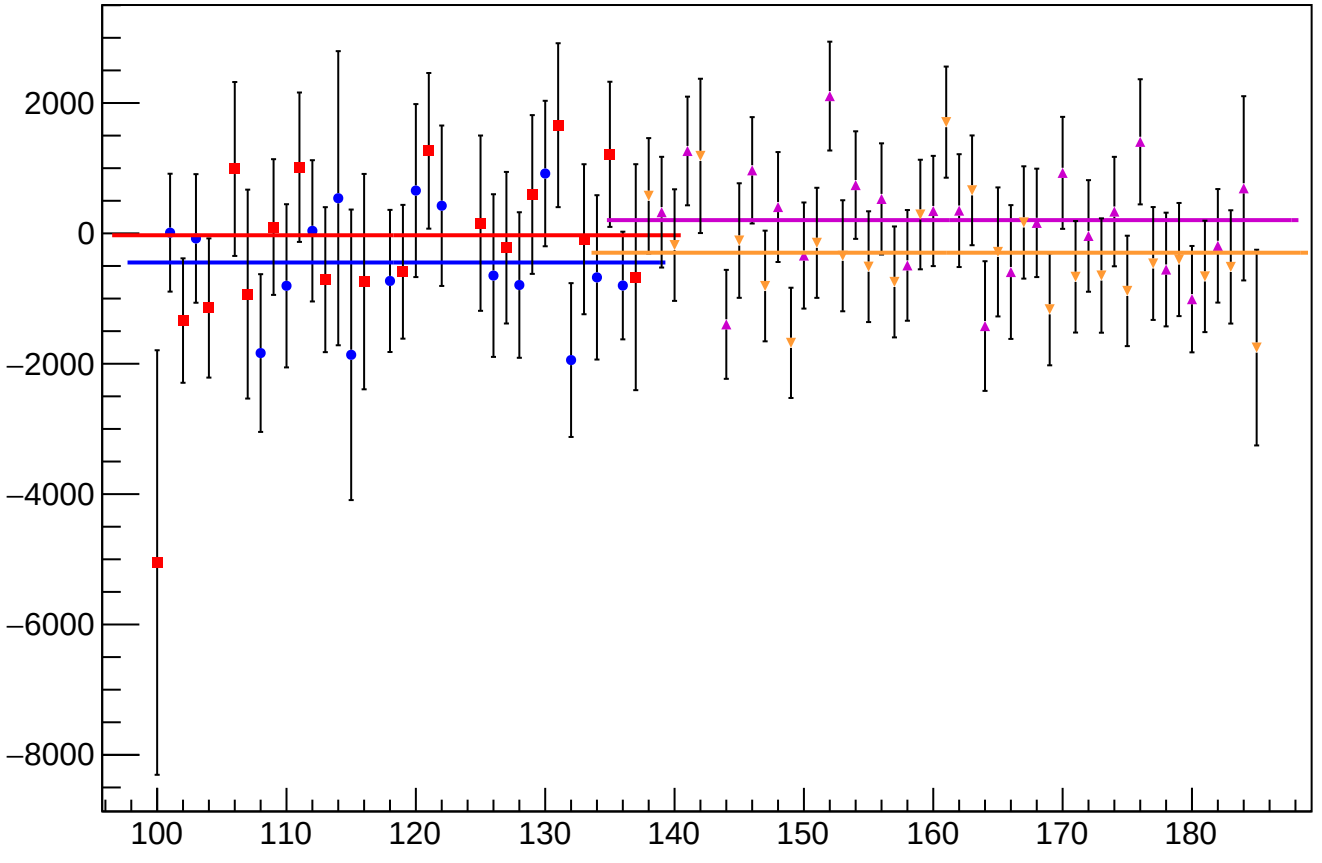
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 537.815+/-0.077 χ^2/NDF: 2312797.6/39

All: 537.863+/-0.054 χ^2/NDF: 4764197.8/80

- 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: -296.771+/-180.280 χ^2/NDF:16.7/23

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

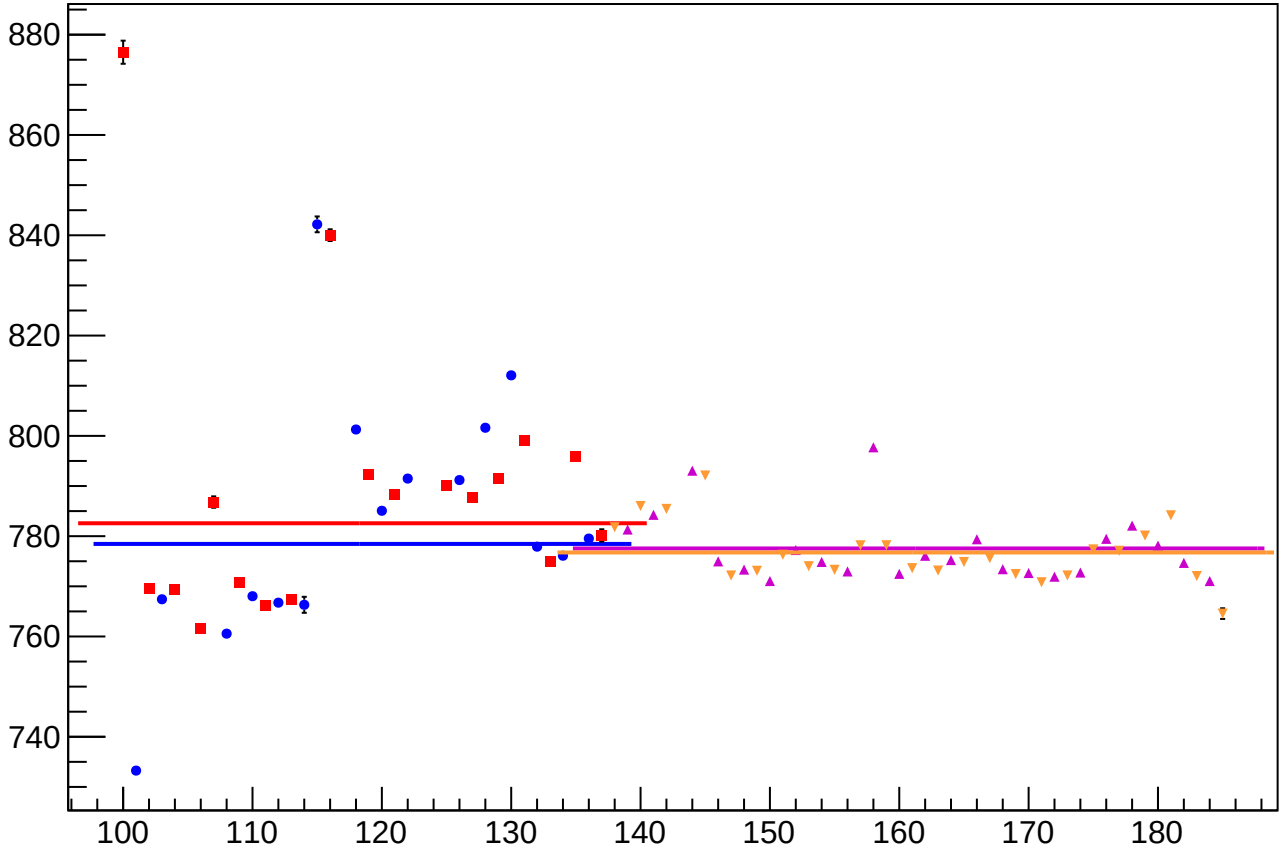
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -338.709+/-152.995 χ^2/NDF: 24.2/39

All: -101.626+/-108.410 χ^2/NDF: 64.2/80

- 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: 776.751+/-0.127 χ^2/NDF:1826.3/23

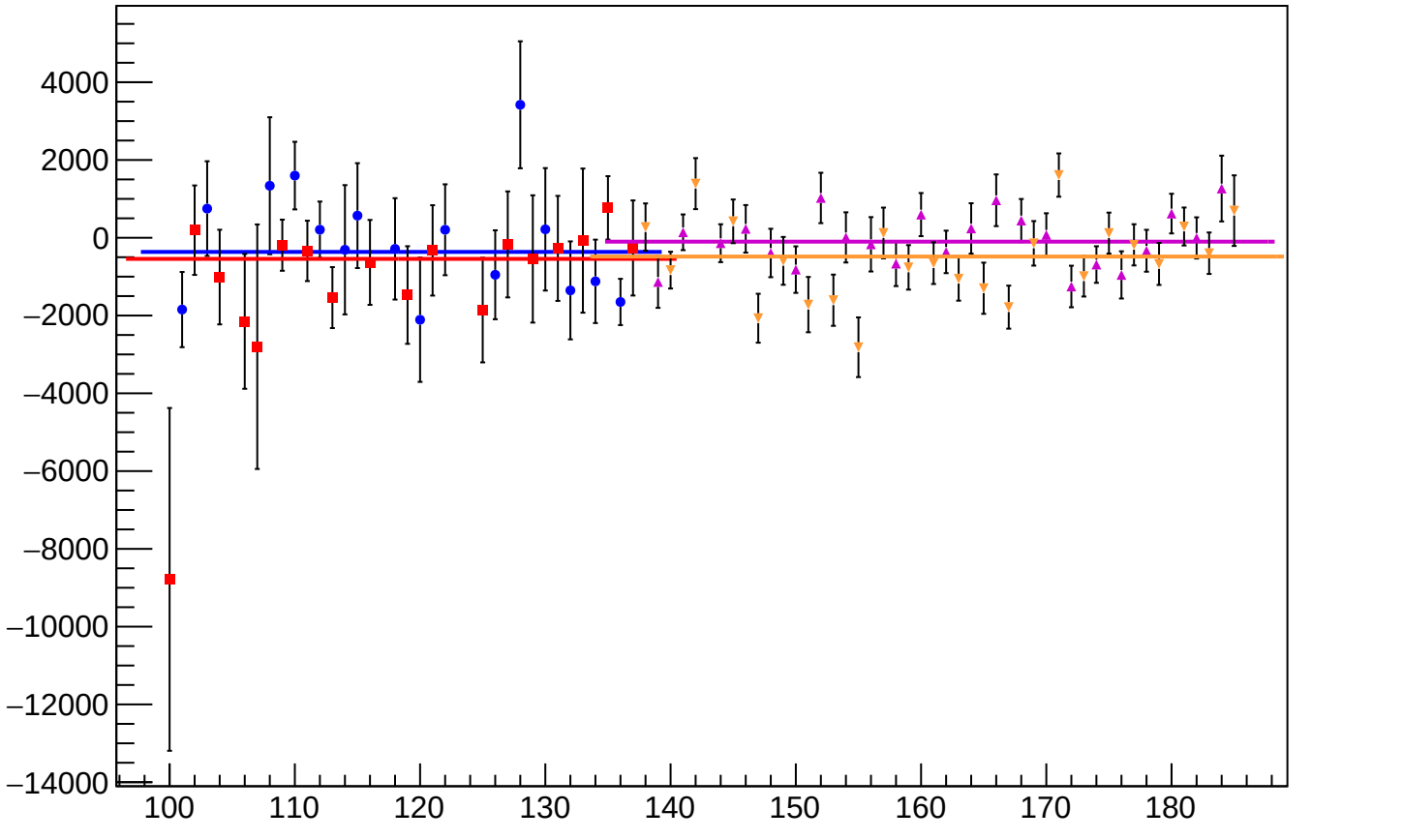
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

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

+ sign 777.228+/-0.108 χ^2/NDF: 13671.5/39

All: 778.098+/-0.077 χ^2/NDF: 24468.7/80

- 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: -482.886+/-118.806 χ^2/NDF:65.1/23

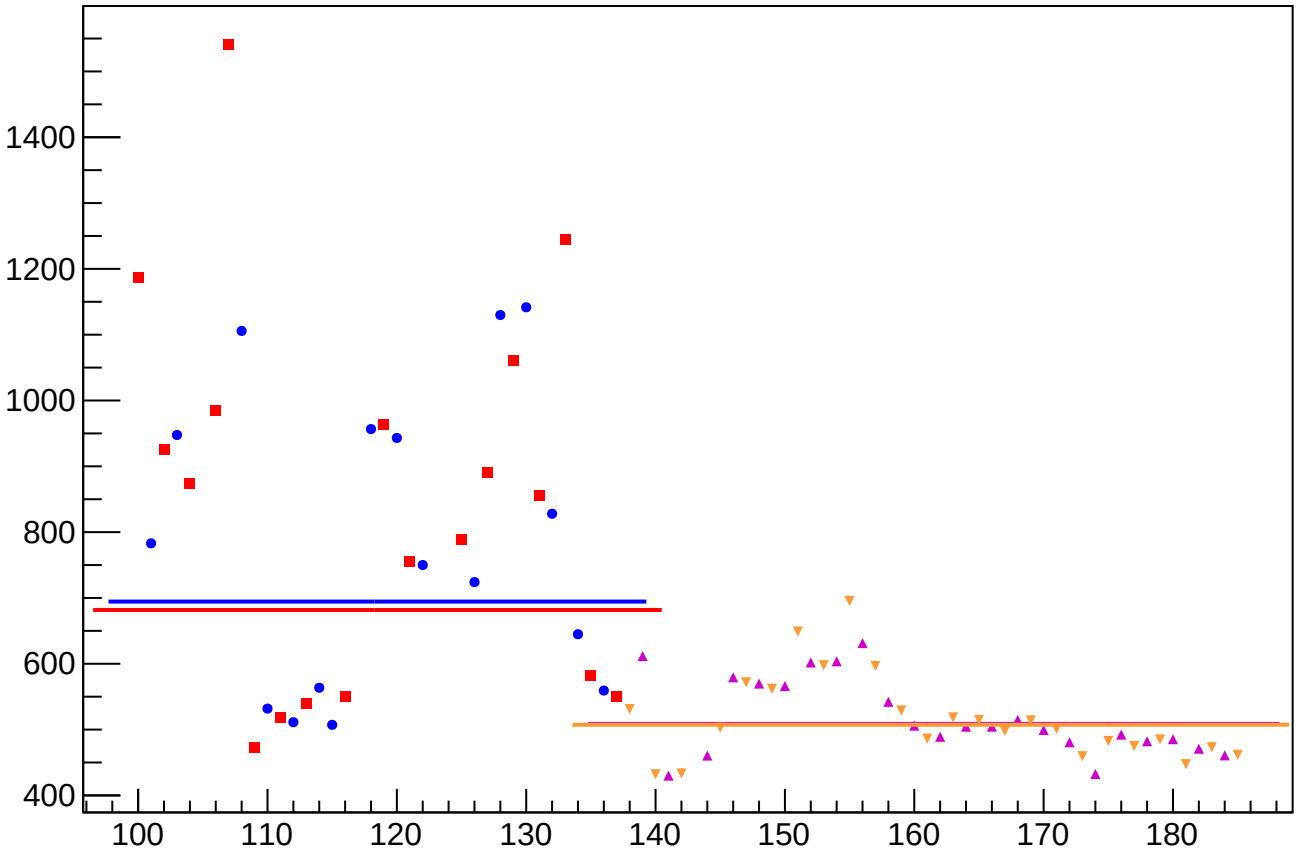
Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

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

+ sign -463.515+/-108.699 χ^2/NDF: 88.6/39

All: -319.717+/-76.999 χ^2/NDF: 133.6/80

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



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

Left Out: 507.319+/-0.084 χ^2/NDF:473992.3/23

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

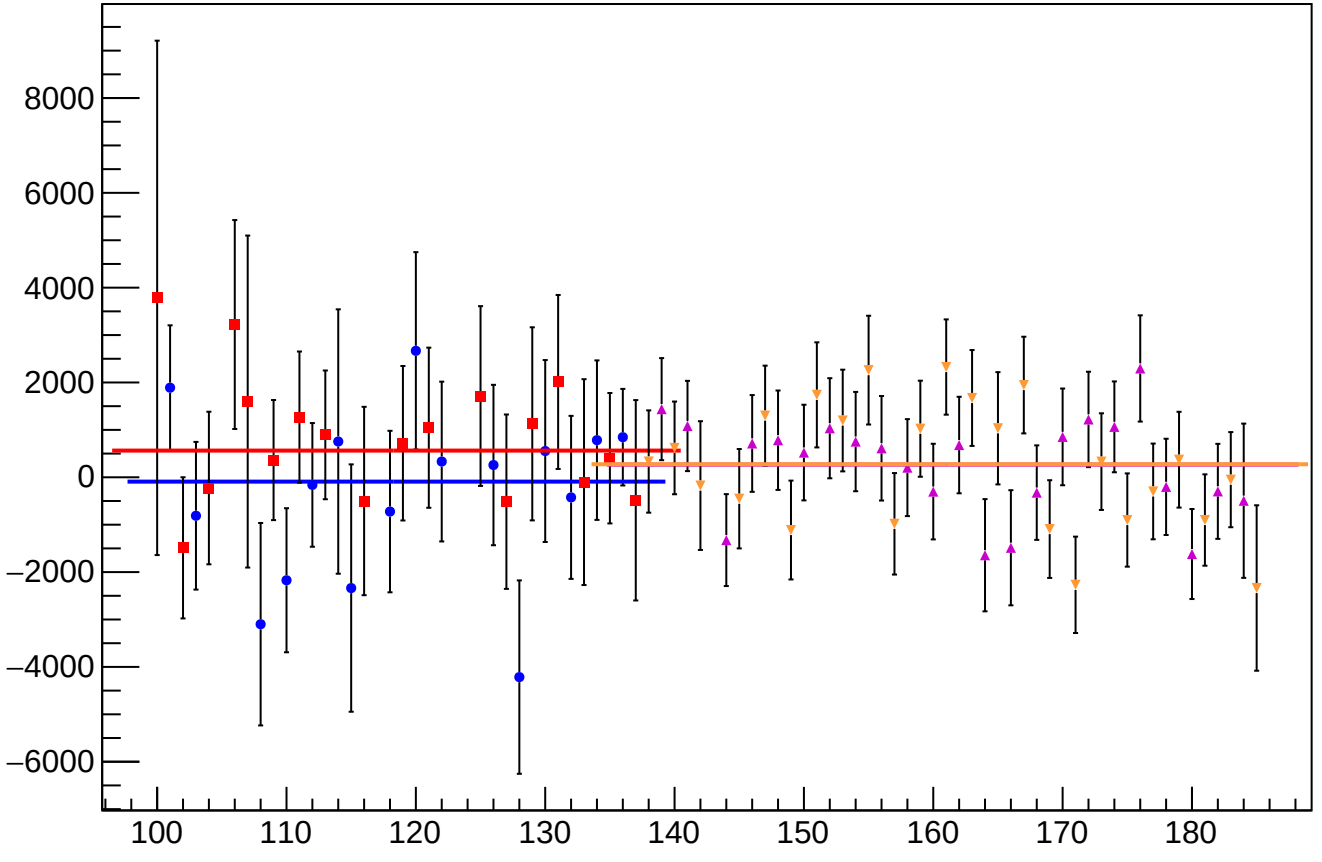
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 537.814+/-0.077 χ^2/NDF: 2312793.8/39

All: 537.863+/-0.054 χ^2/NDF: 4764207.2/80

- 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: 275.181+/-216.290 χ^2/NDF:33.6/23

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

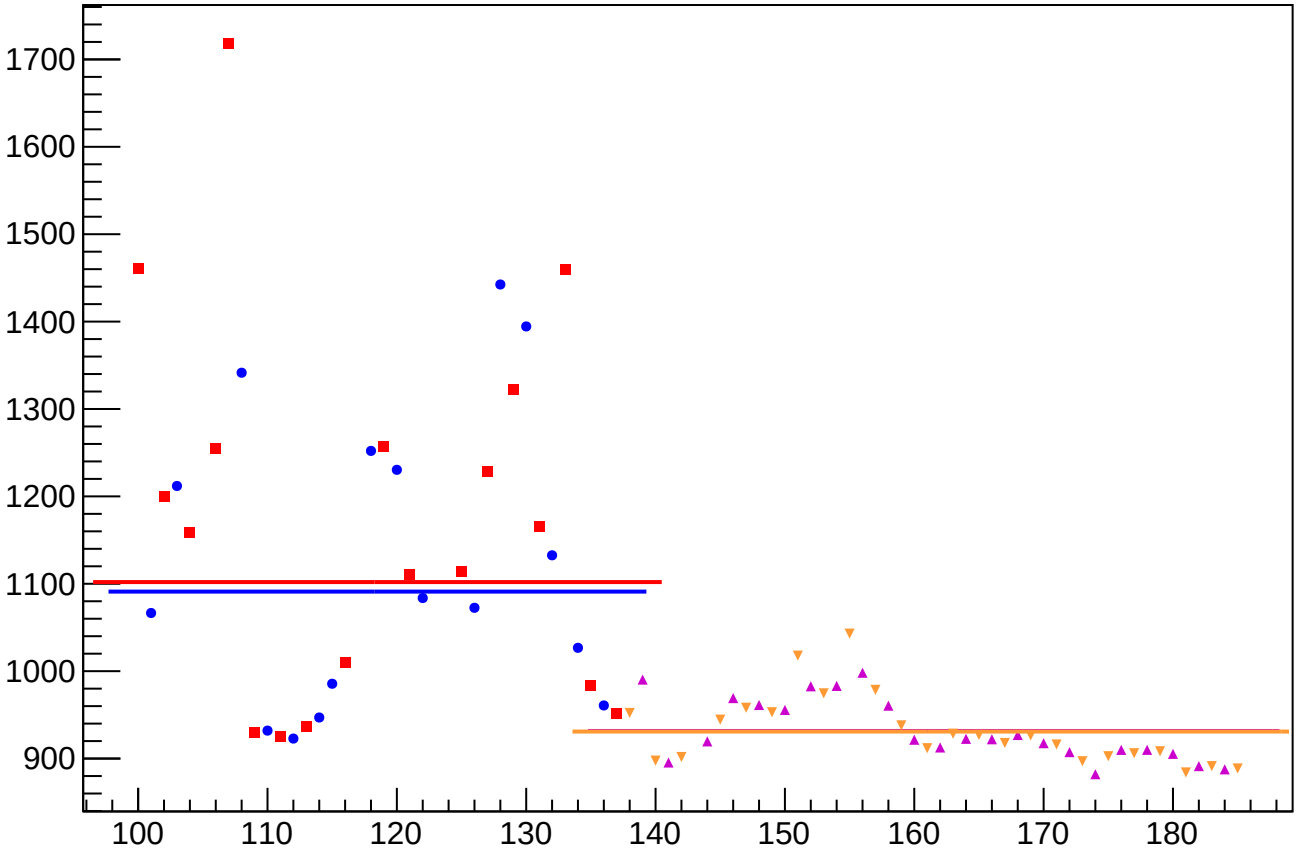
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 195.381+/-191.298 χ^2/NDF: 48.8/39

All: 263.198+/-135.665 χ^2/NDF: 77.3/80

- 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: 930.922+/-0.153 χ^2/NDF:61953.0/23

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

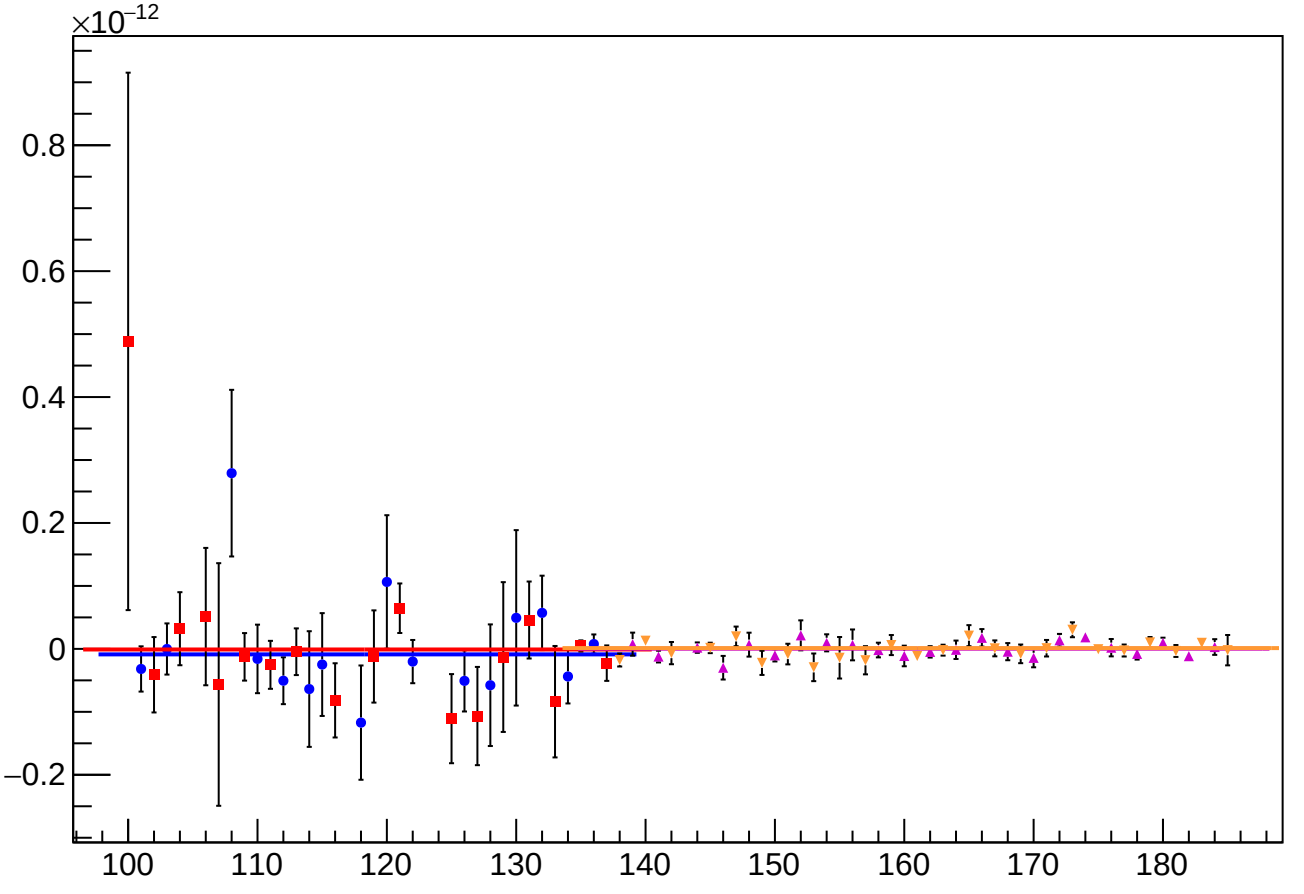
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 965.787+/-0.135 χ^2/NDF: 577922.5/39

All: 967.289+/-0.096 χ^2/NDF: 1223061.1/80

- 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:25.7/23

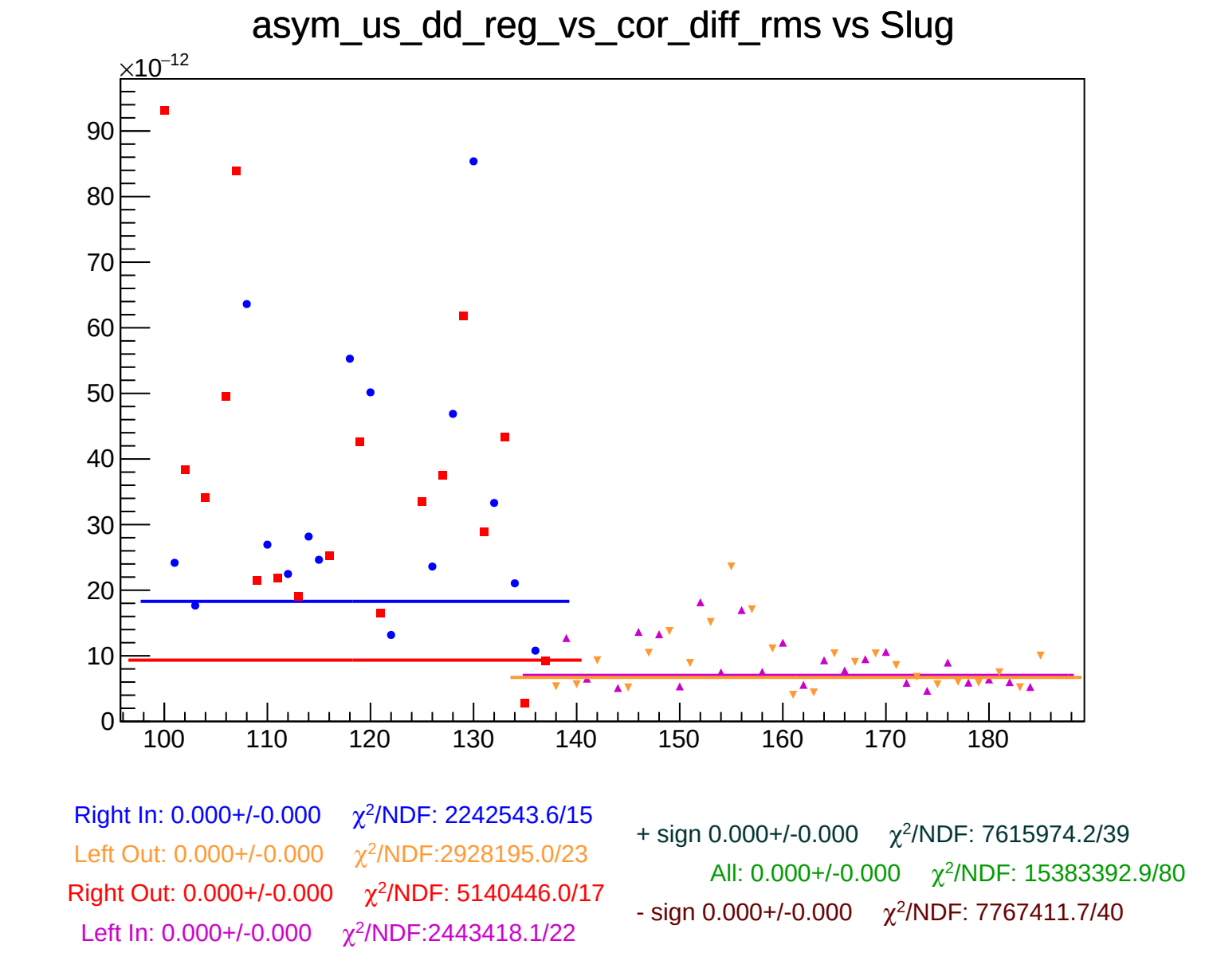
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

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

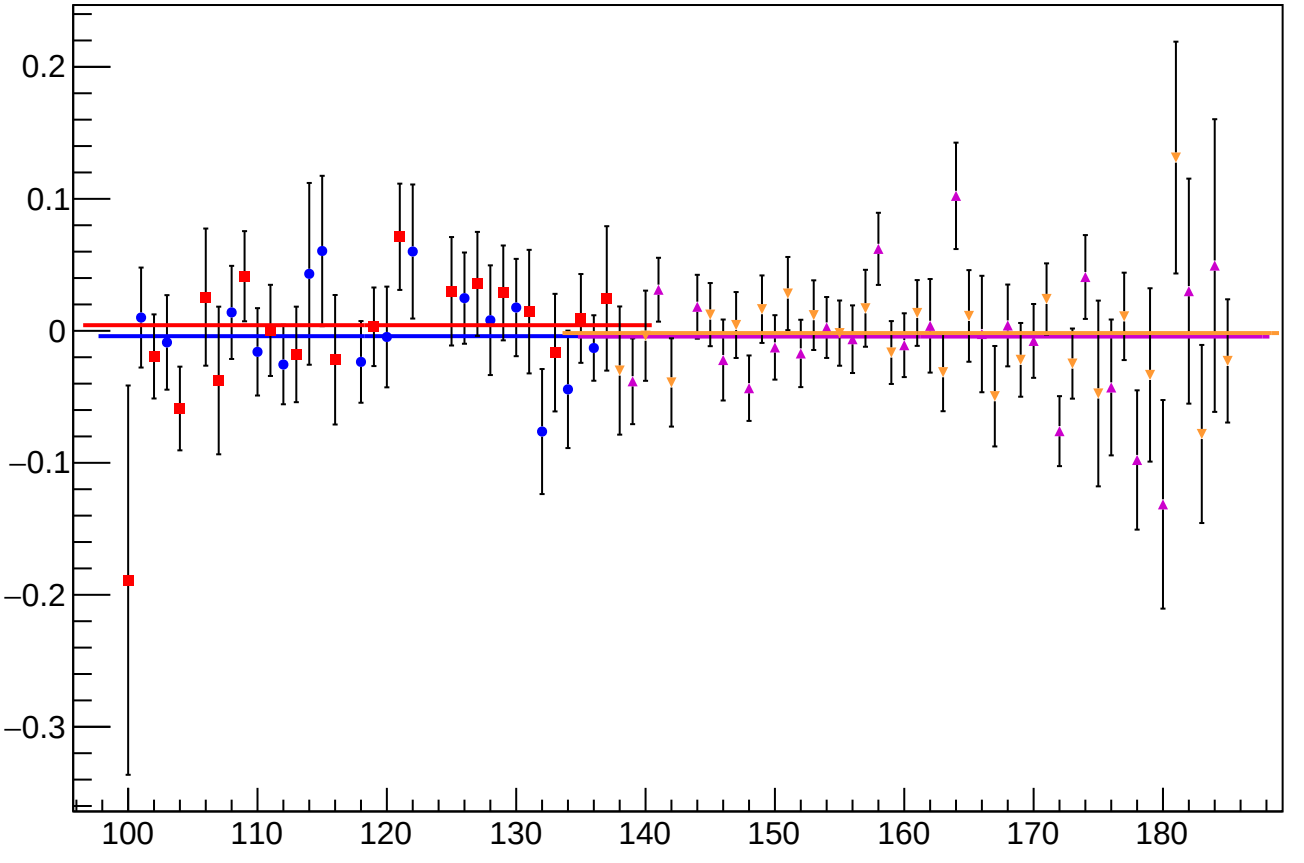
+ sign 0.000+/-0.000 χ^2/NDF: 40.4/39

All: 0.000+/-0.000 χ^2/NDF: 76.9/80

- sign 0.000+/-0.000 χ^2/NDF: 36.5/40


asym_us_dd_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: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2928195.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2443418.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7615974.2/39
All: 0.000+/-0.000 χ²/NDF: 15383392.9/80
- sign 0.000+/-0.000 χ²/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: -0.002+/-0.006 χ^2/NDF:14.6/23

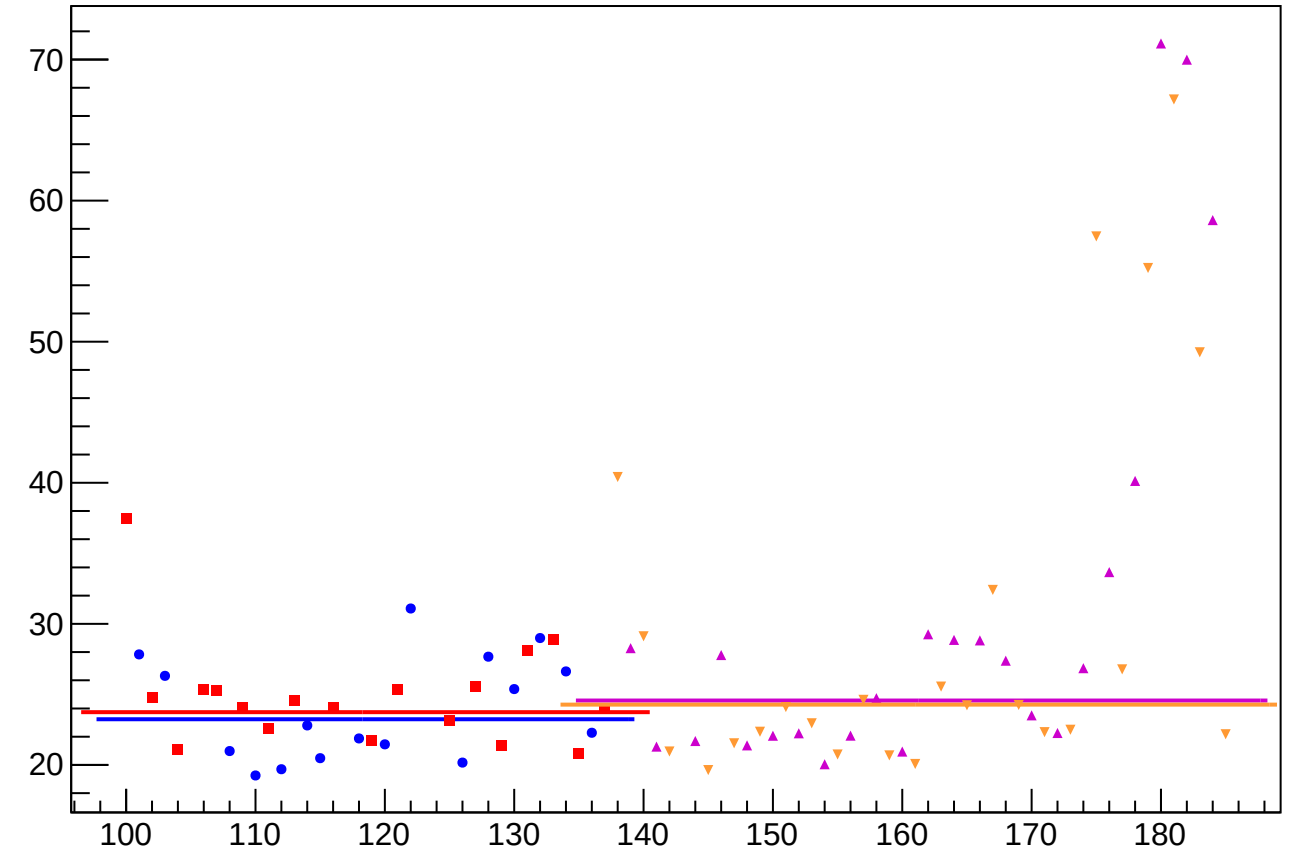
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

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

+ sign -0.002+/-0.005 χ^2/NDF: 23.9/39

All: -0.002+/-0.004 χ^2/NDF: 74.5/80

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



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

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

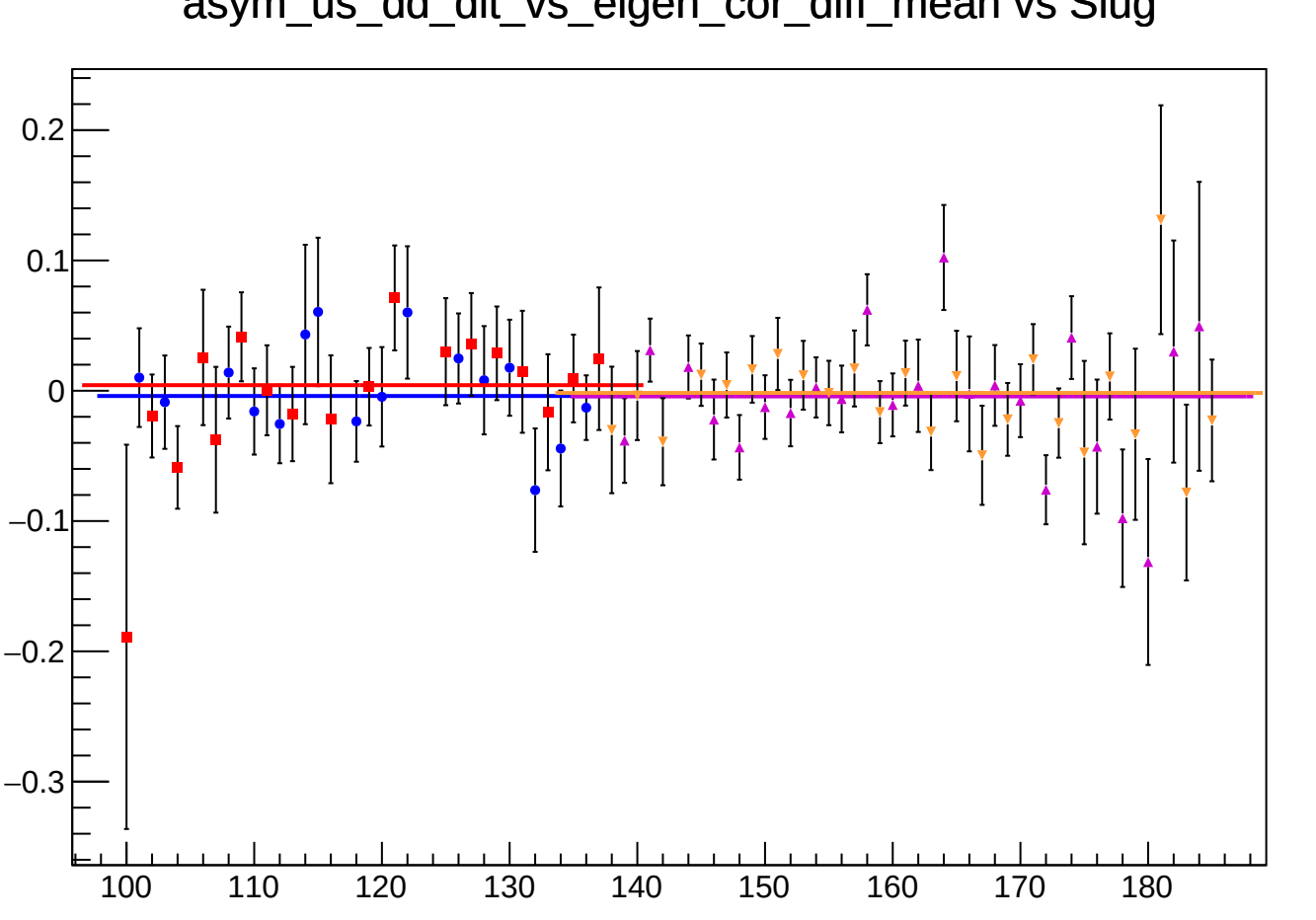
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

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

+ sign 23.944+/-0.004 χ^2/NDF: 2586974.2/39

All: 24.121+/-0.003 χ^2/NDF: 4861353.6/80

- 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: -0.002+/-0.006 χ^2/NDF:14.6/23

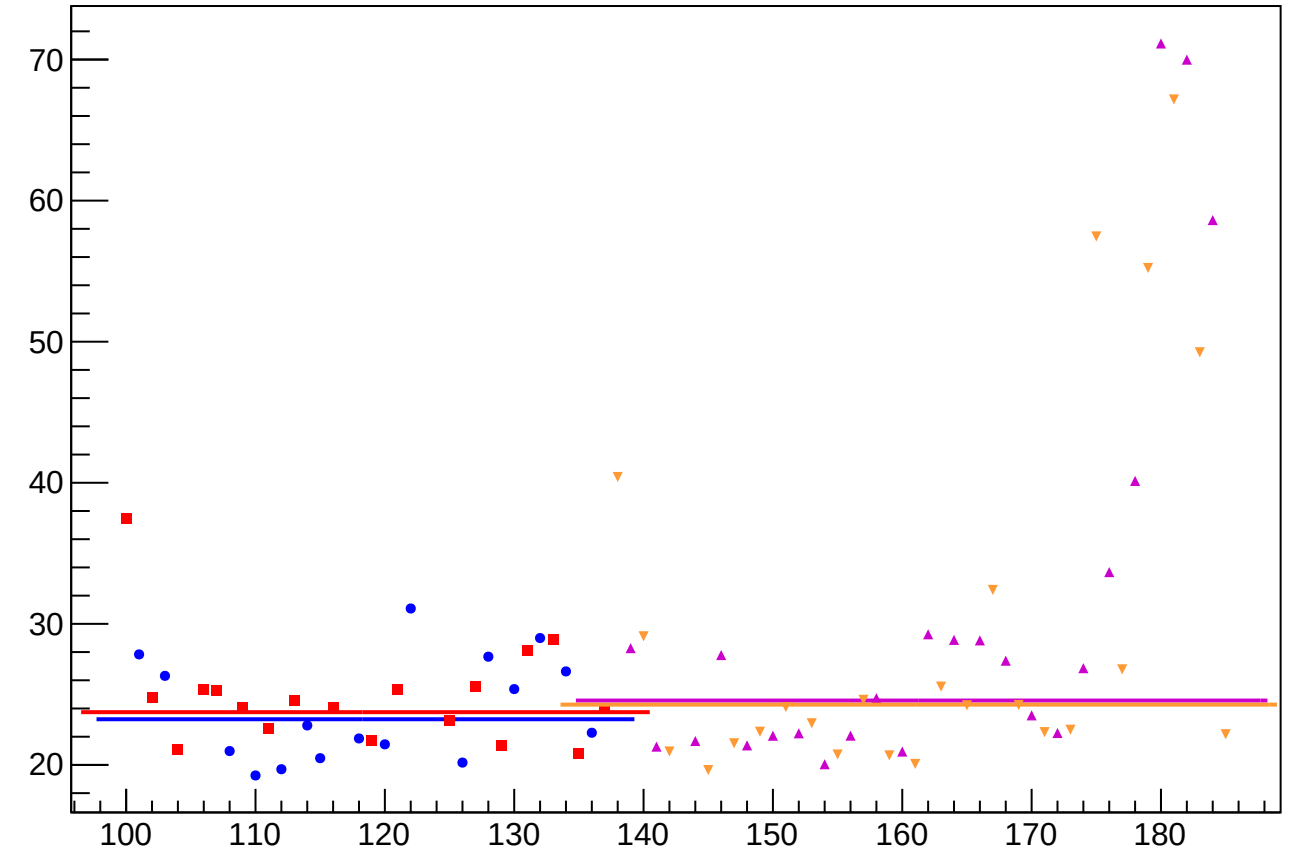
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

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

+ sign -0.002+/-0.005 χ^2/NDF: 23.9/39

All: -0.002+/-0.004 χ^2/NDF: 74.5/80

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



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

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

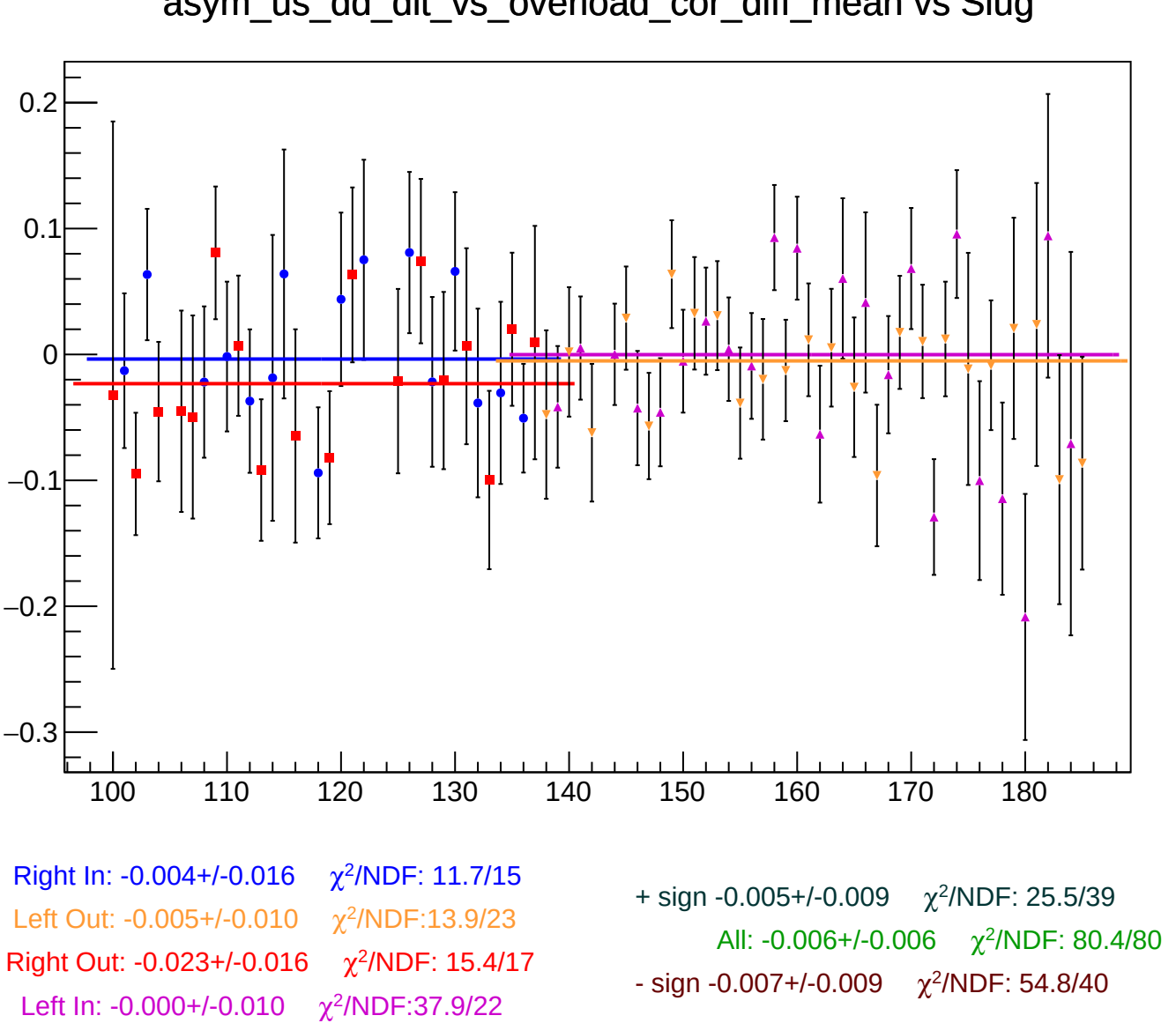
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

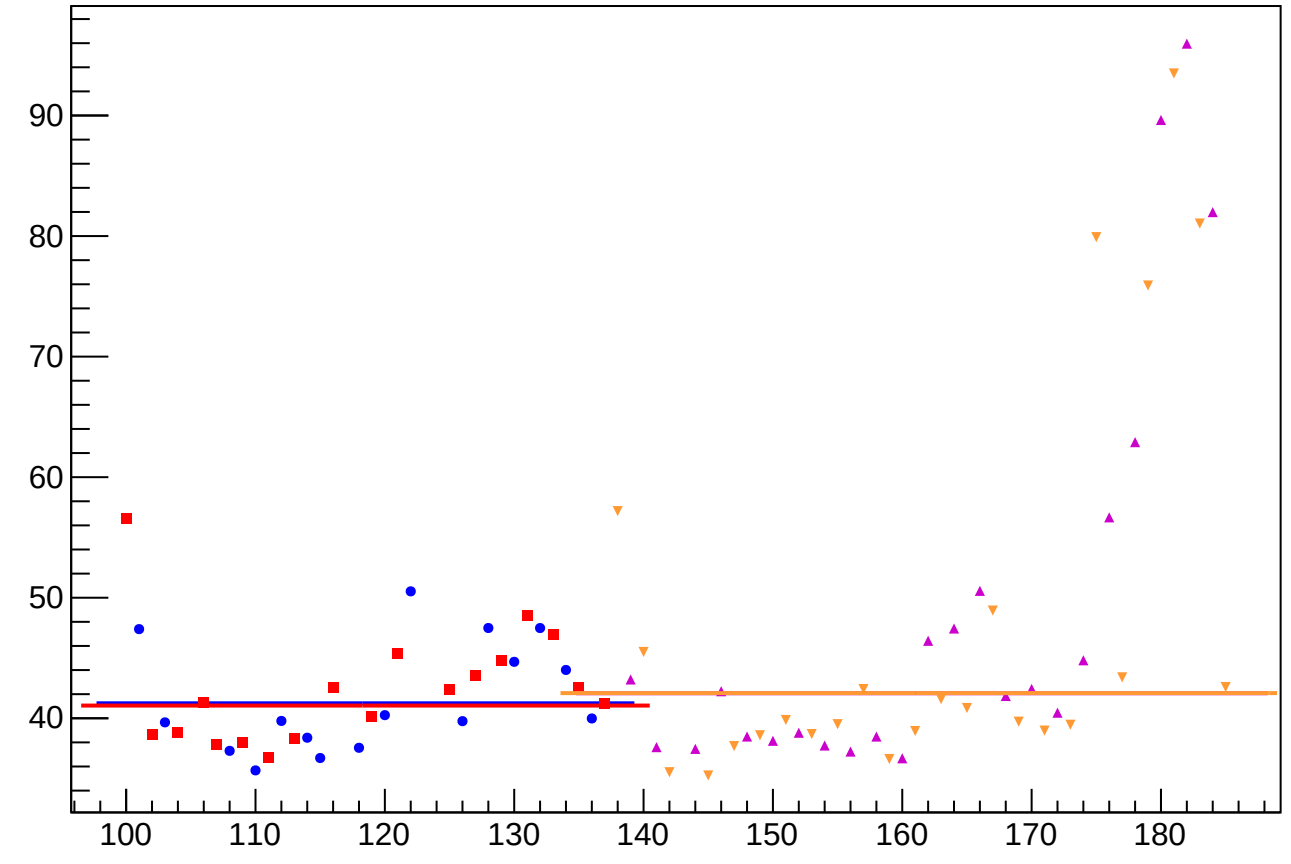
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 23.944+/-0.004 χ^2/NDF: 2586974.2/39

All: 24.121+/-0.003 χ^2/NDF: 4861353.6/80

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


asym_us_dd_dit_vs_overload_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: -0.004+/-0.016 χ²/NDF: 11.7/15
Left Out: -0.005+/-0.010 χ²/NDF:13.9/23
Right Out: -0.023+/-0.016 χ²/NDF: 15.4/17
Left In: -0.000+/-0.010 χ²/NDF:37.9/22
+ sign -0.005+/-0.009 χ²/NDF: 25.5/39
All: -0.006+/-0.006 χ²/NDF: 80.4/80
- sign -0.007+/-0.009 χ²/NDF: 54.8/40



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

Left Out: 42.088+/-0.007 χ^2/NDF:1716047.0/23

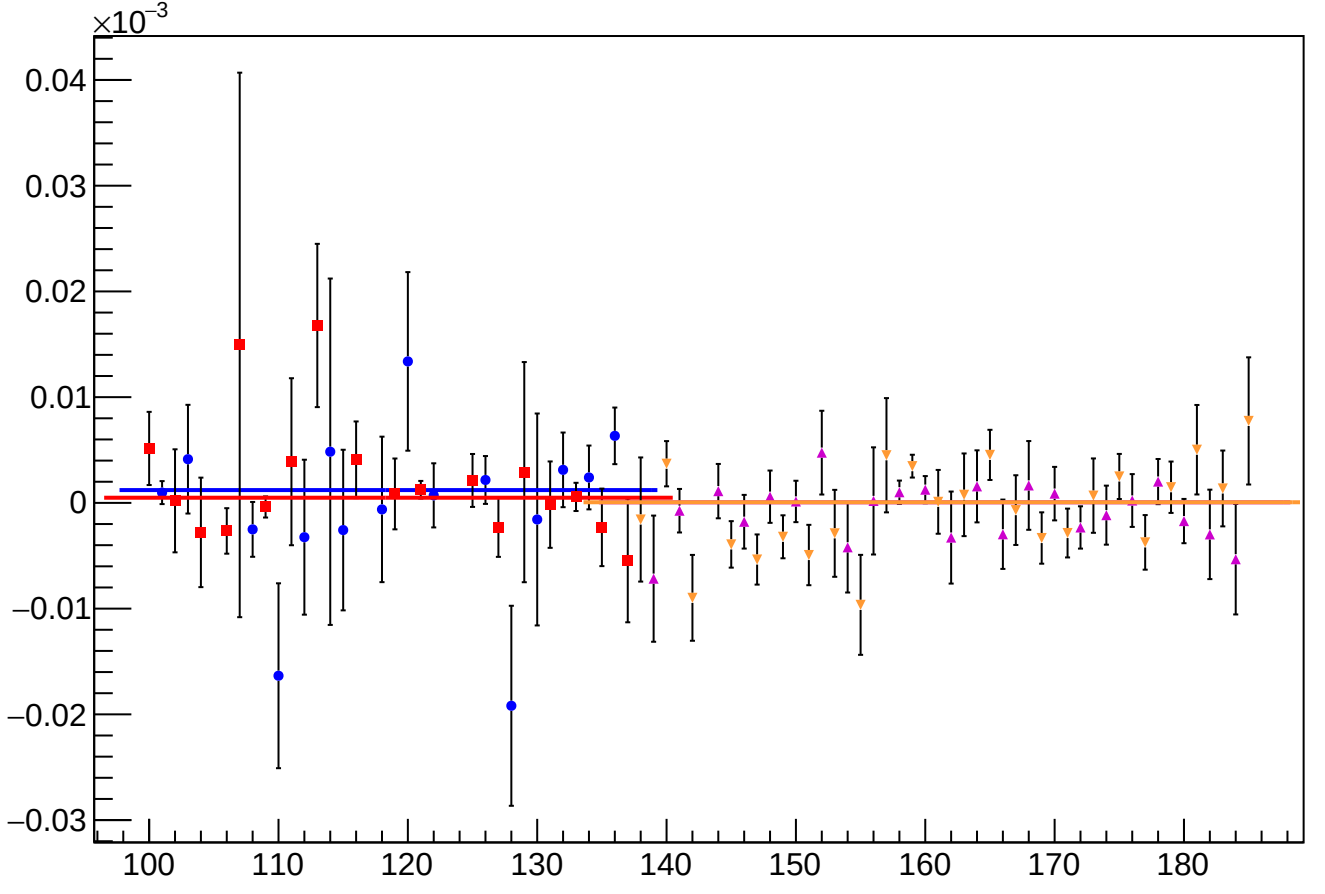
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

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

+ sign 41.831+/-0.006 χ^2/NDF: 1855357.3/39

All: 41.795+/-0.004 χ^2/NDF: 3501493.6/80

- 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:51.7/23

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

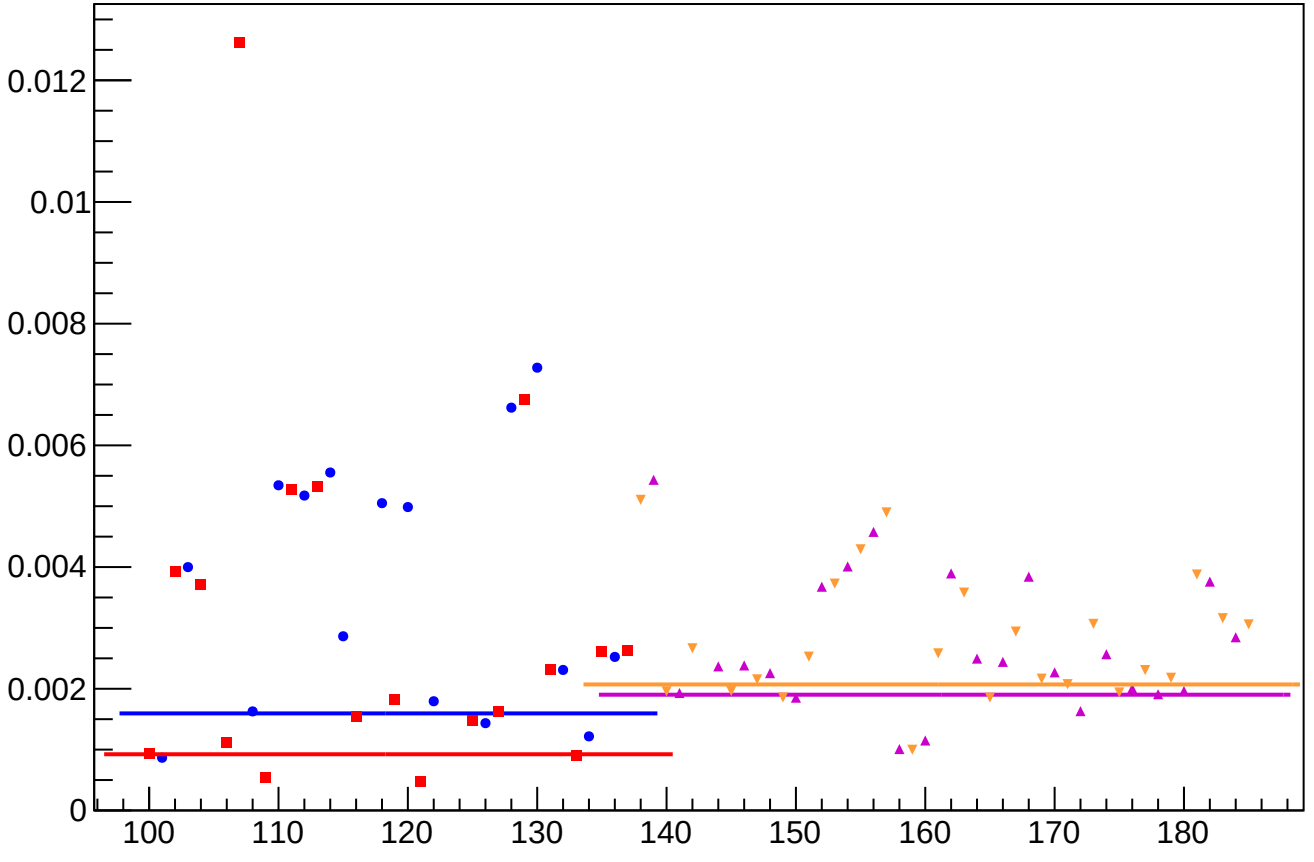
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.6/39

All: 0.000+/-0.000 χ^2/NDF: 100.0/80

- sign 0.000+/-0.000 χ^2/NDF: 28.4/40

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.002+/-0.000 χ^2/NDF:5263163.7/23

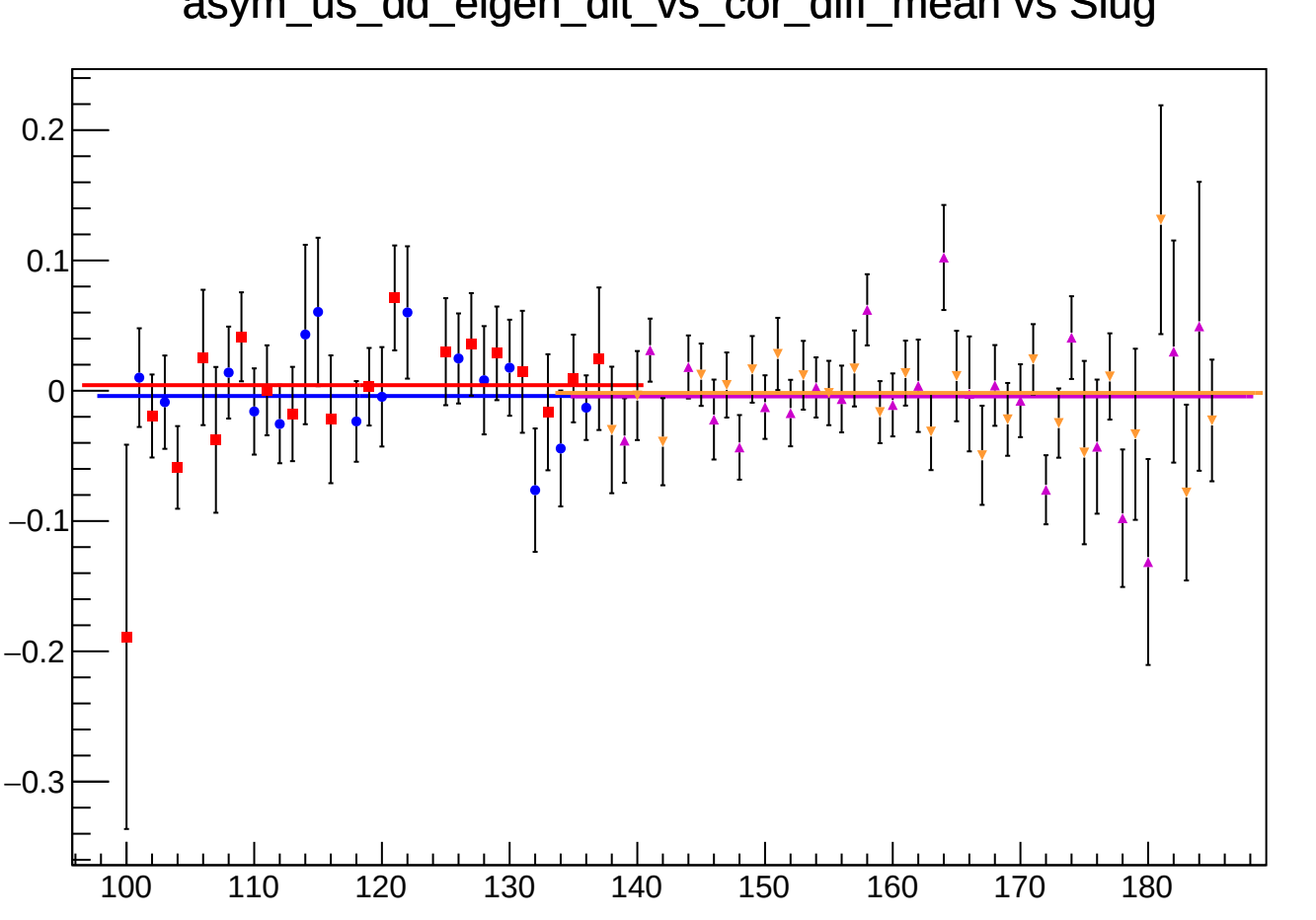
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:5935945.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 10565632.5/39

All: 0.002+/-0.000 χ^2/NDF: 27800481.3/80

- sign 0.001+/-0.000 χ^2/NDF: 15619514.8/40



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

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

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

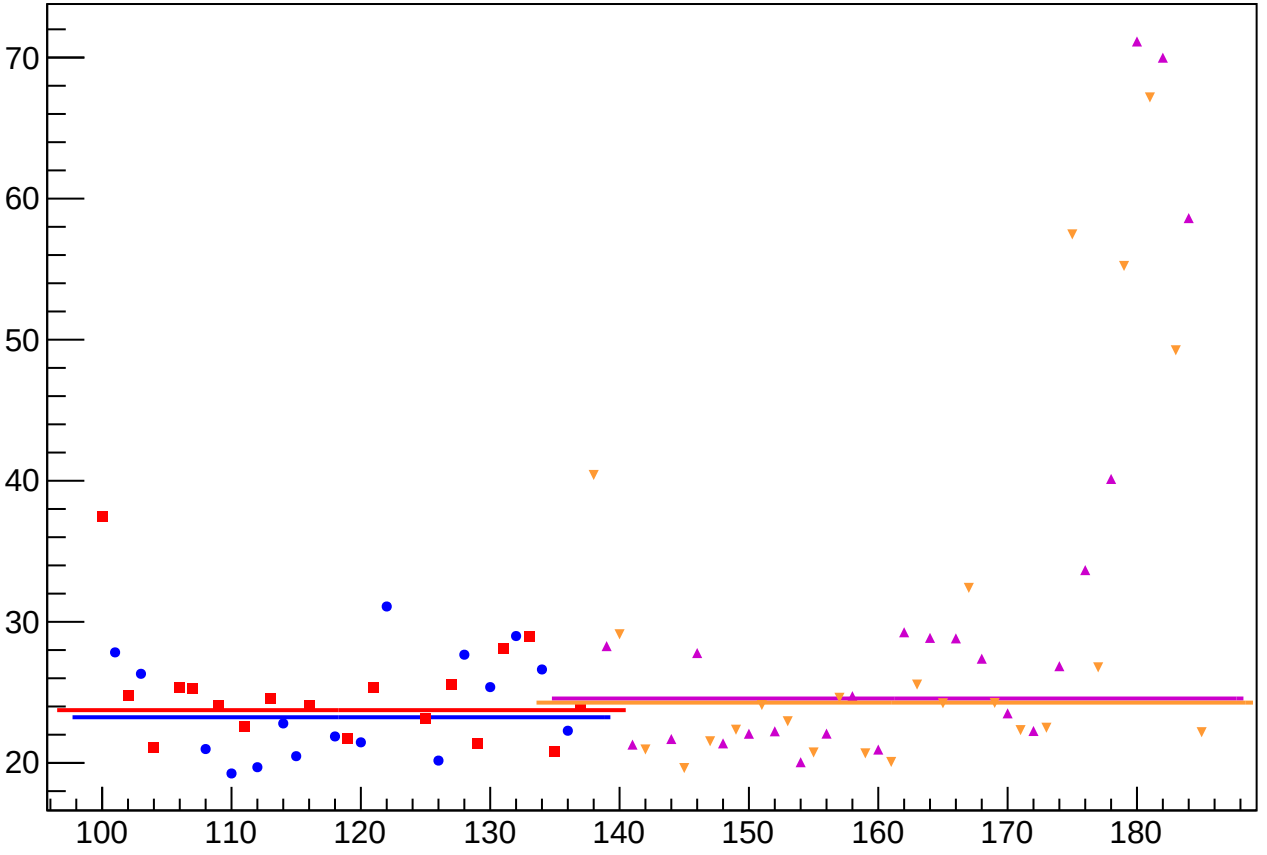
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 23.9/39

All: -0.002+/-0.004 χ^2/NDF: 74.5/80

- 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: 24.275+/-0.004 χ^2/NDF:2310684.7/23

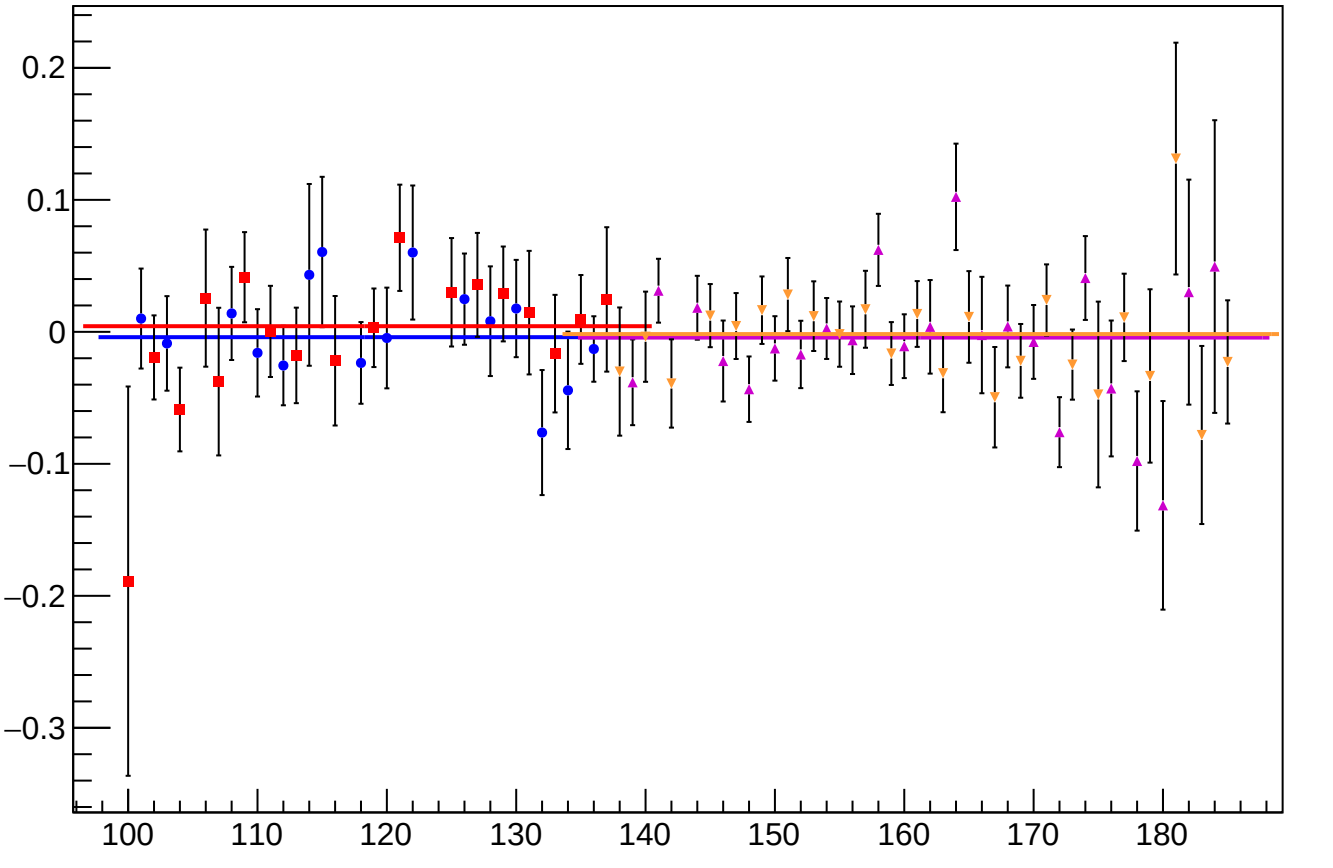
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

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

+ sign 23.943+/-0.004 χ^2/NDF: 2586992.4/39

All: 24.121+/-0.003 χ^2/NDF: 4861198.7/80

- 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: -0.002+/-0.006 χ^2/NDF:14.6/23

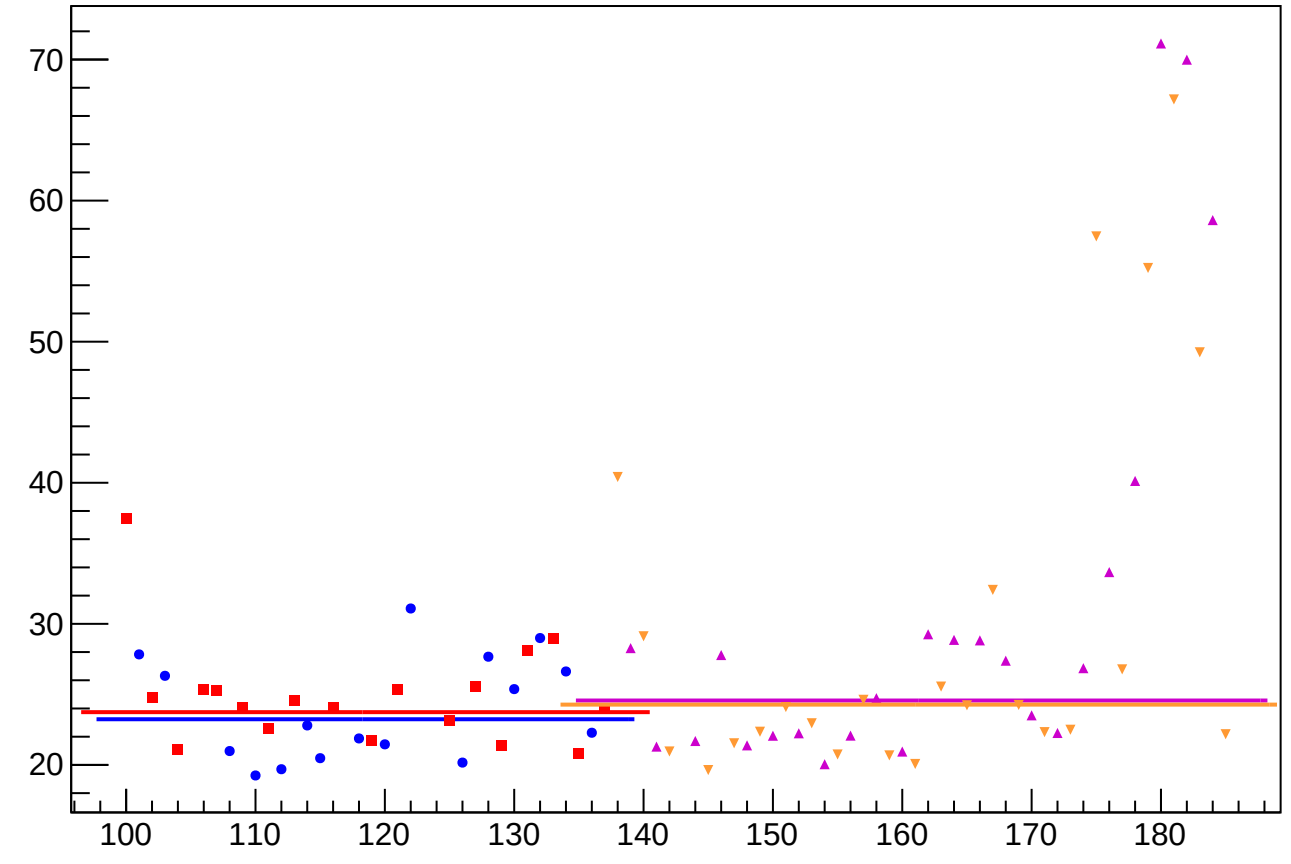
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

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

+ sign -0.002+/-0.005 χ^2/NDF: 23.9/39

All: -0.002+/-0.004 χ^2/NDF: 74.5/80

- 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: 24.275+/-0.004 χ^2/NDF:2310684.7/23

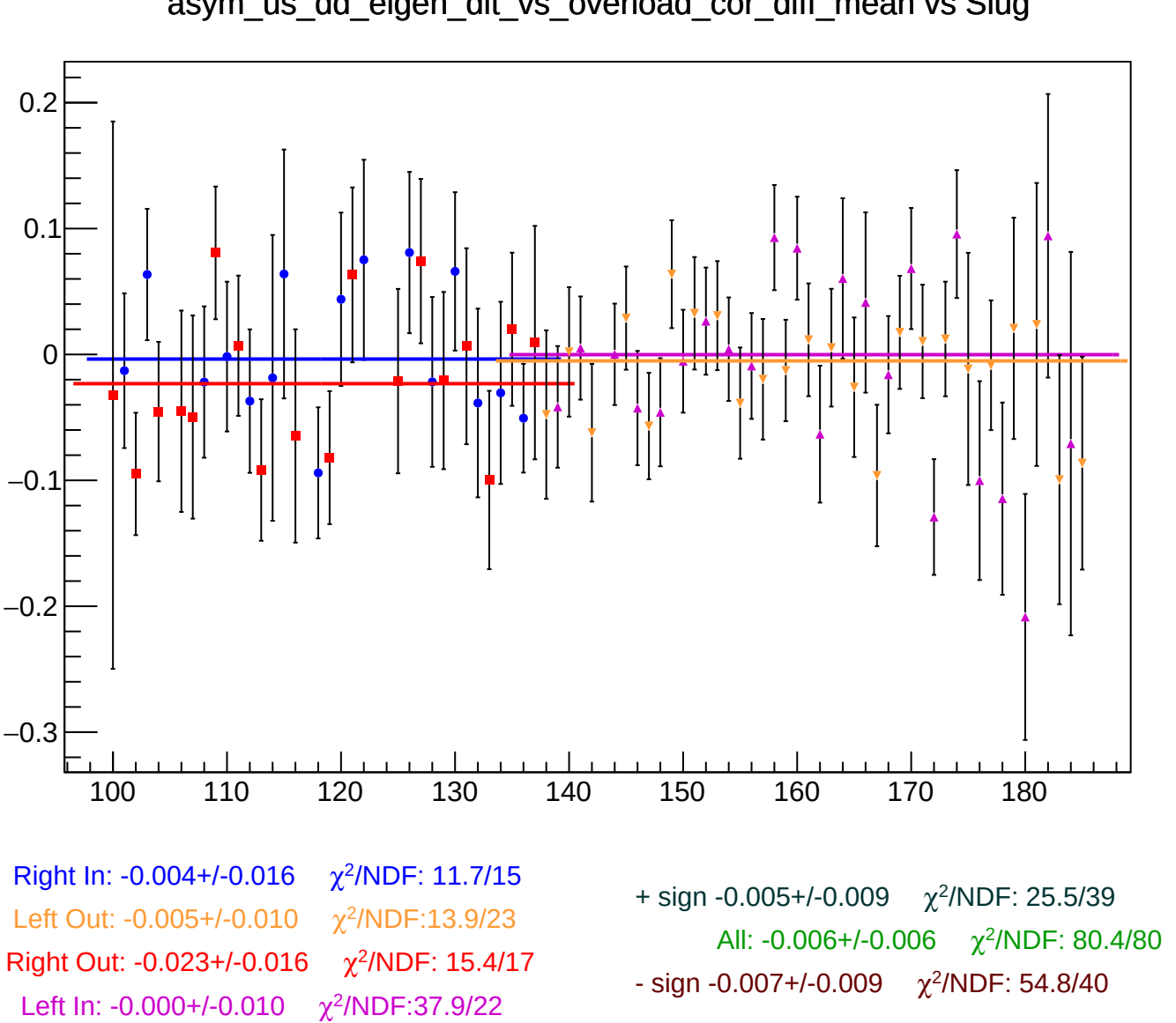
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

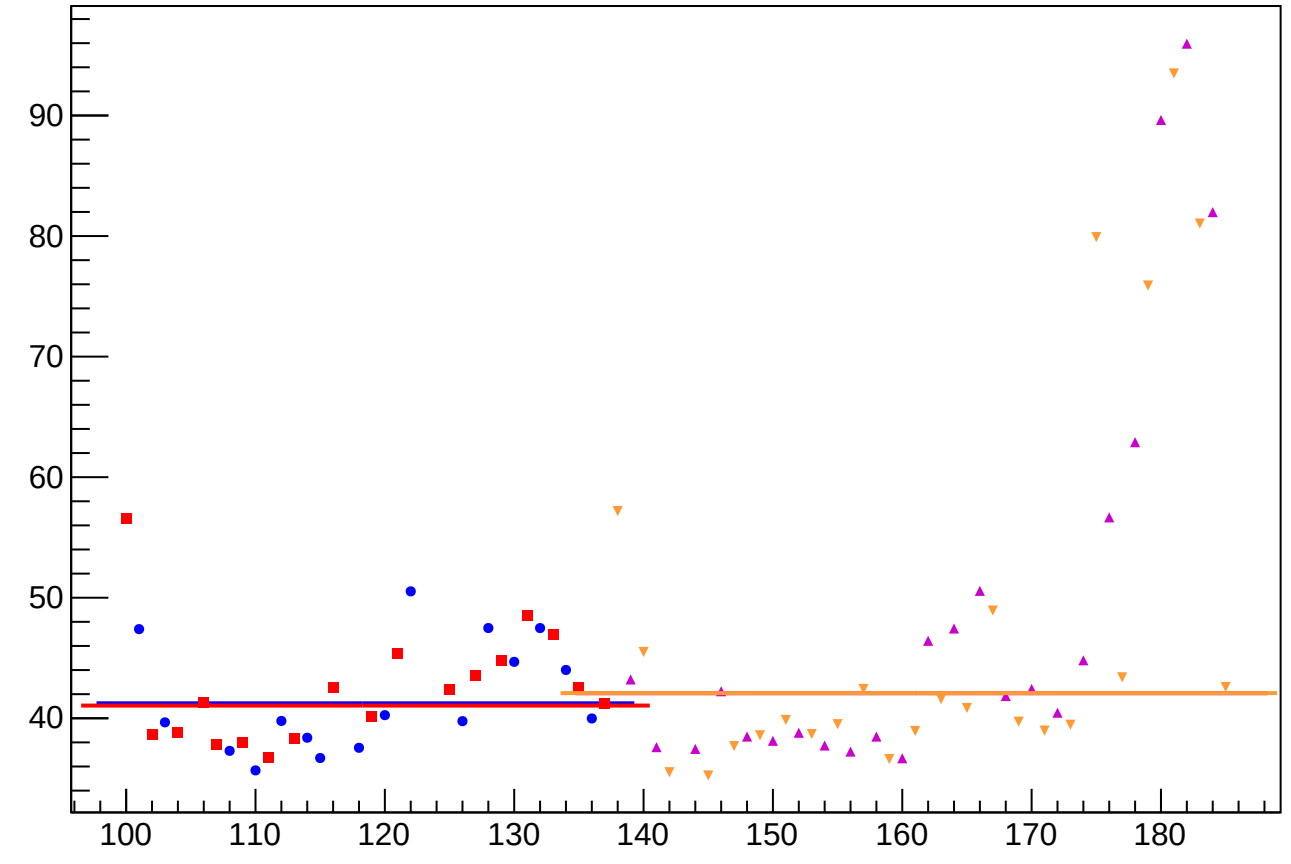
Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

+ sign 23.943+/-0.004 χ^2/NDF: 2586992.4/39

All: 24.121+/-0.003 χ^2/NDF: 4861198.7/80

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


asym_us_dd_eigen_dit_vs_overload_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: -0.004+/-0.016 χ²/NDF: 11.7/15
Left Out: -0.005+/-0.010 χ²/NDF:13.9/23
Right Out: -0.023+/-0.016 χ²/NDF: 15.4/17
Left In: -0.000+/-0.010 χ²/NDF:37.9/22
+ sign -0.005+/-0.009 χ²/NDF: 25.5/39
All: -0.006+/-0.006 χ²/NDF: 80.4/80
- sign -0.007+/-0.009 χ²/NDF: 54.8/40



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

Left Out: 42.088+/-0.007 χ^2/NDF:1716037.6/23

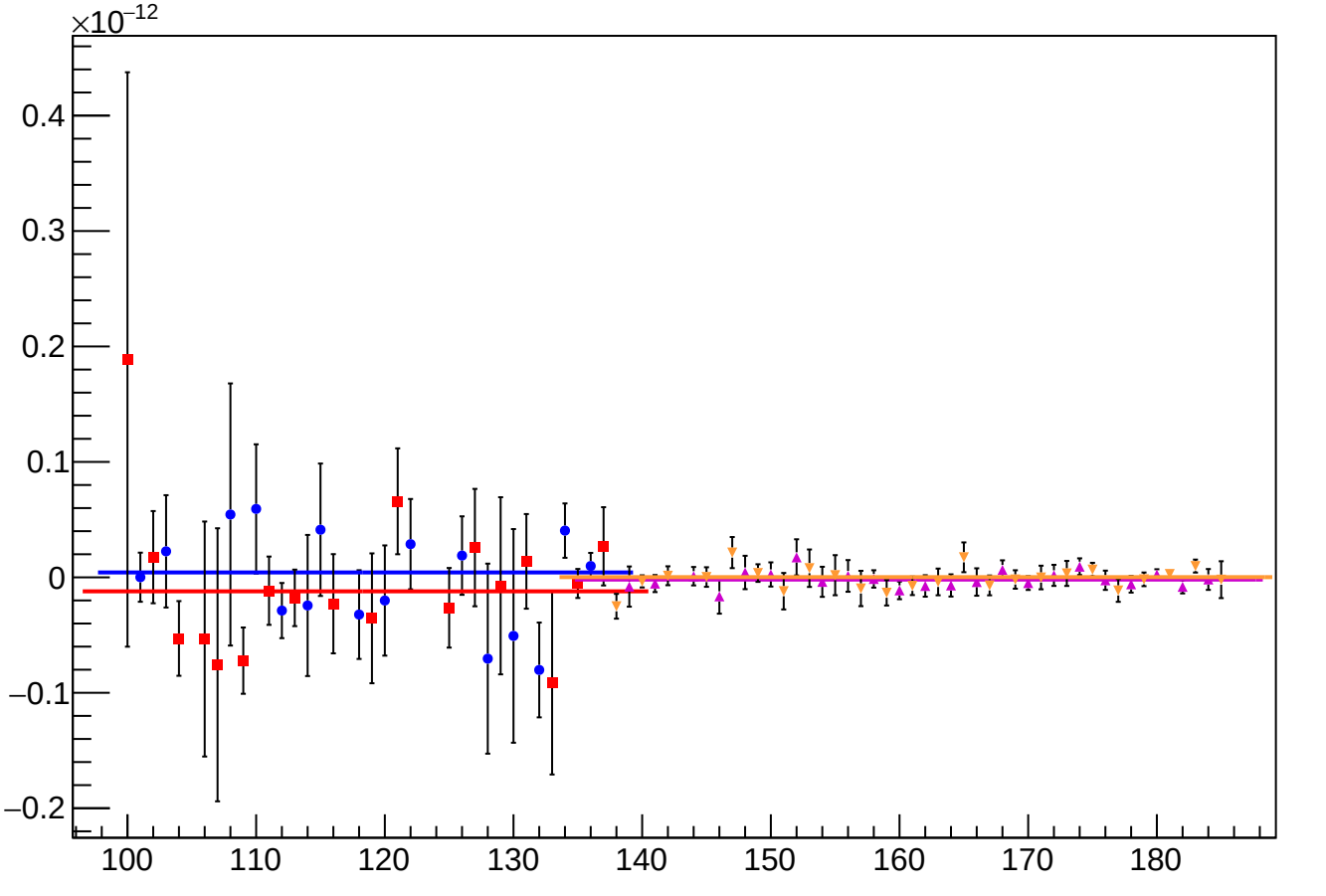
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

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

+ sign 41.831+/-0.006 χ^2/NDF: 1855328.5/39

All: 41.795+/-0.004 χ^2/NDF: 3501430.9/80

- 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:21.2/23

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

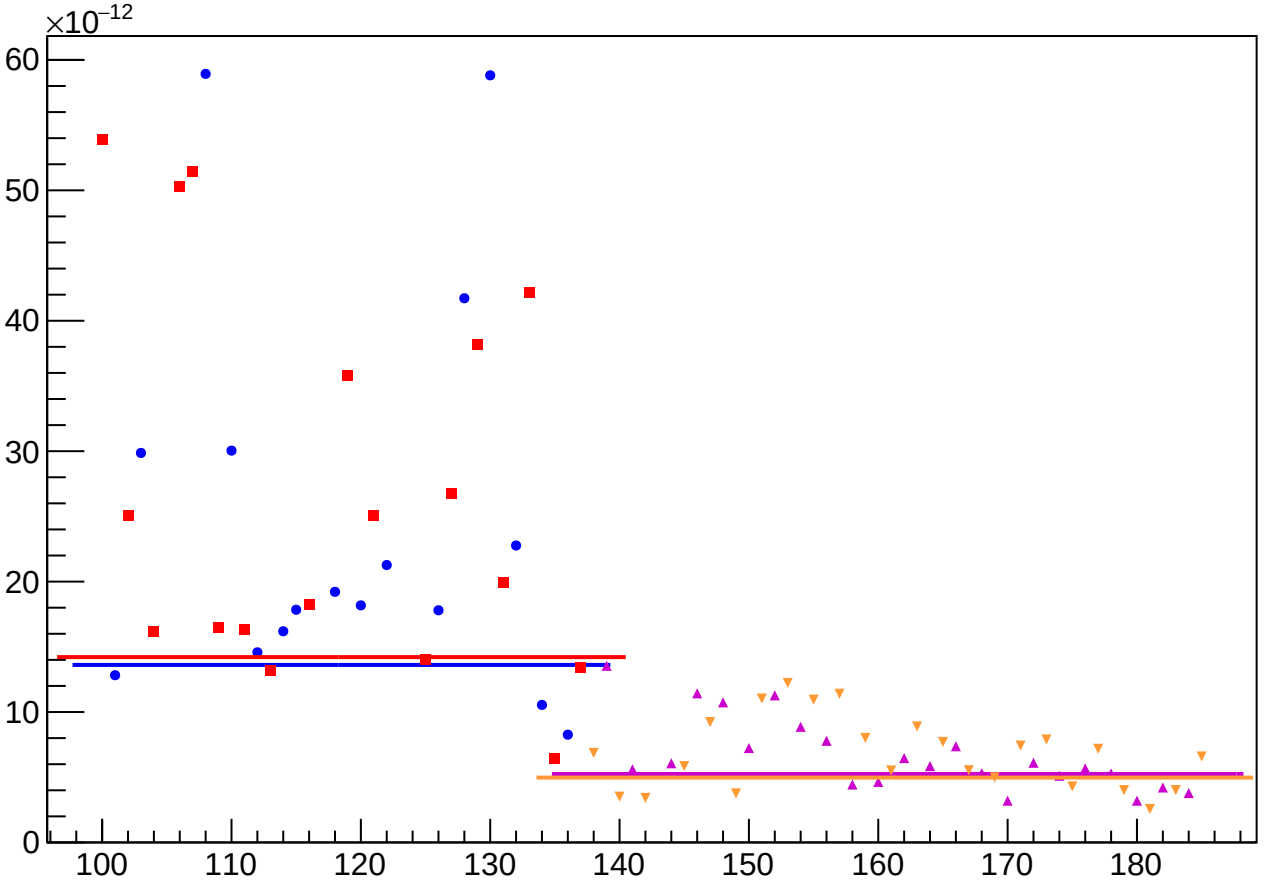
Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/39

All: -0.000+/-0.000 χ^2/NDF: 64.4/80

- 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:3536964.4/23

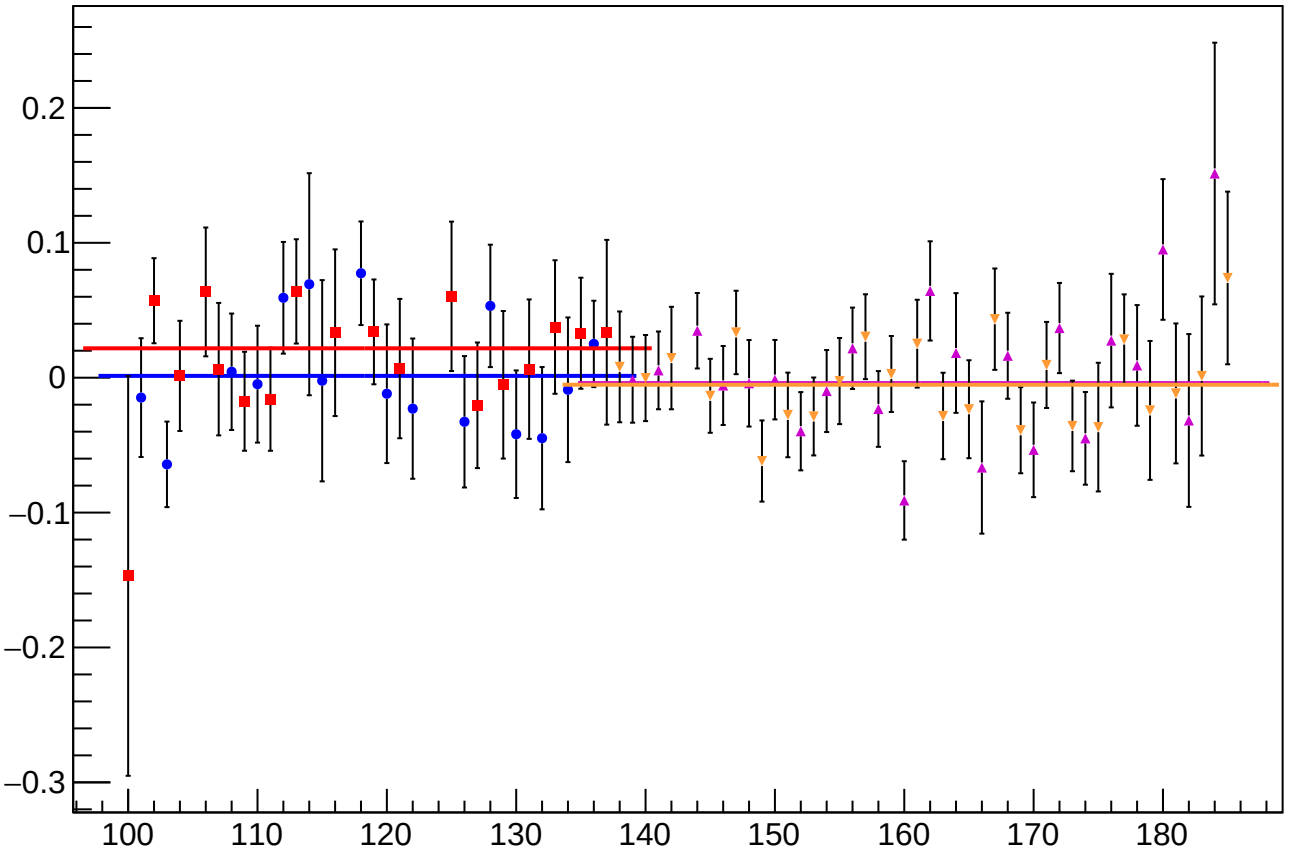
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 8335223.8/39

All: 0.000+/-0.000 χ^2/NDF: 15974947.7/80

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



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

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

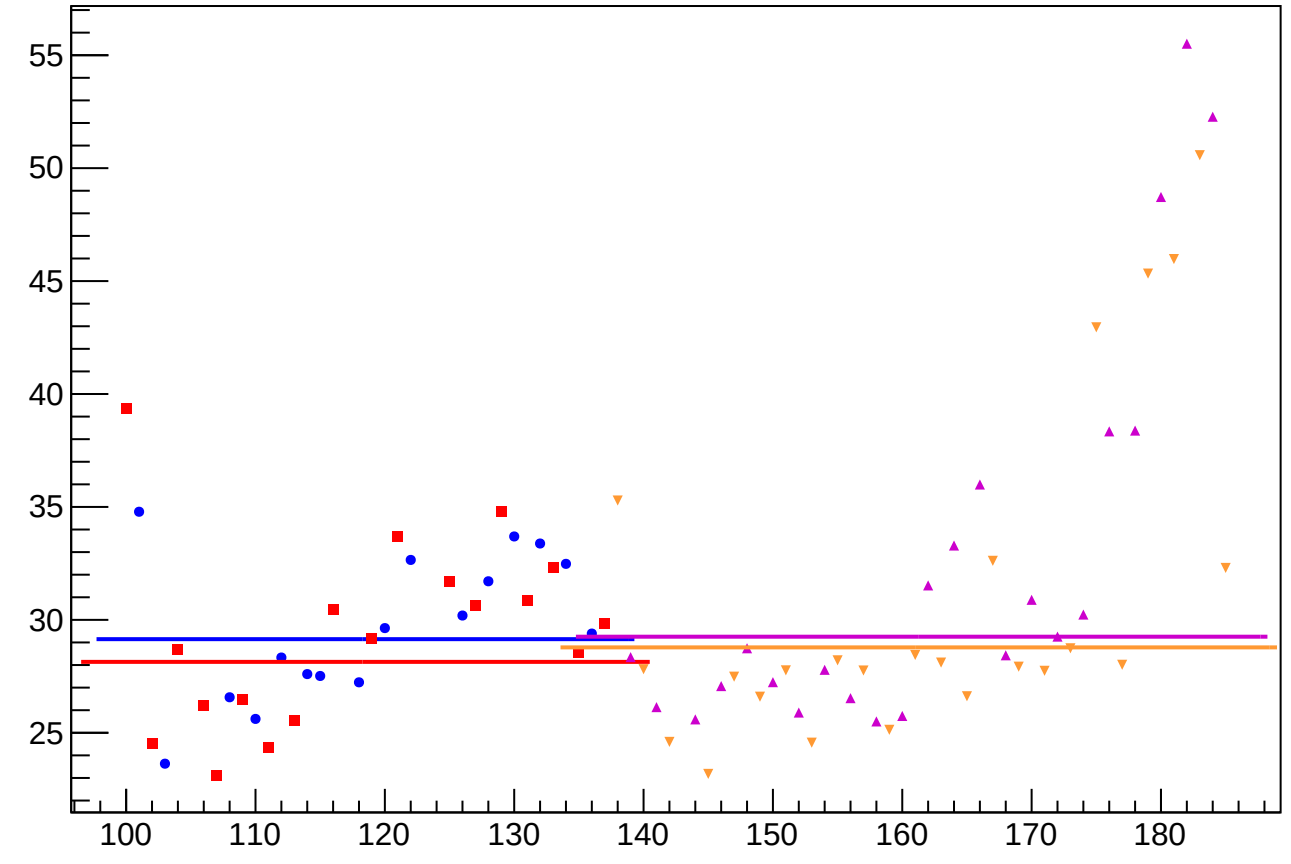
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

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

+ sign -0.003+/-0.006 χ^2/NDF: 32.3/39

All: 0.000+/-0.004 χ^2/NDF: 77.2/80

- 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: 28.781+/-0.005 χ^2/NDF:1170605.8/23

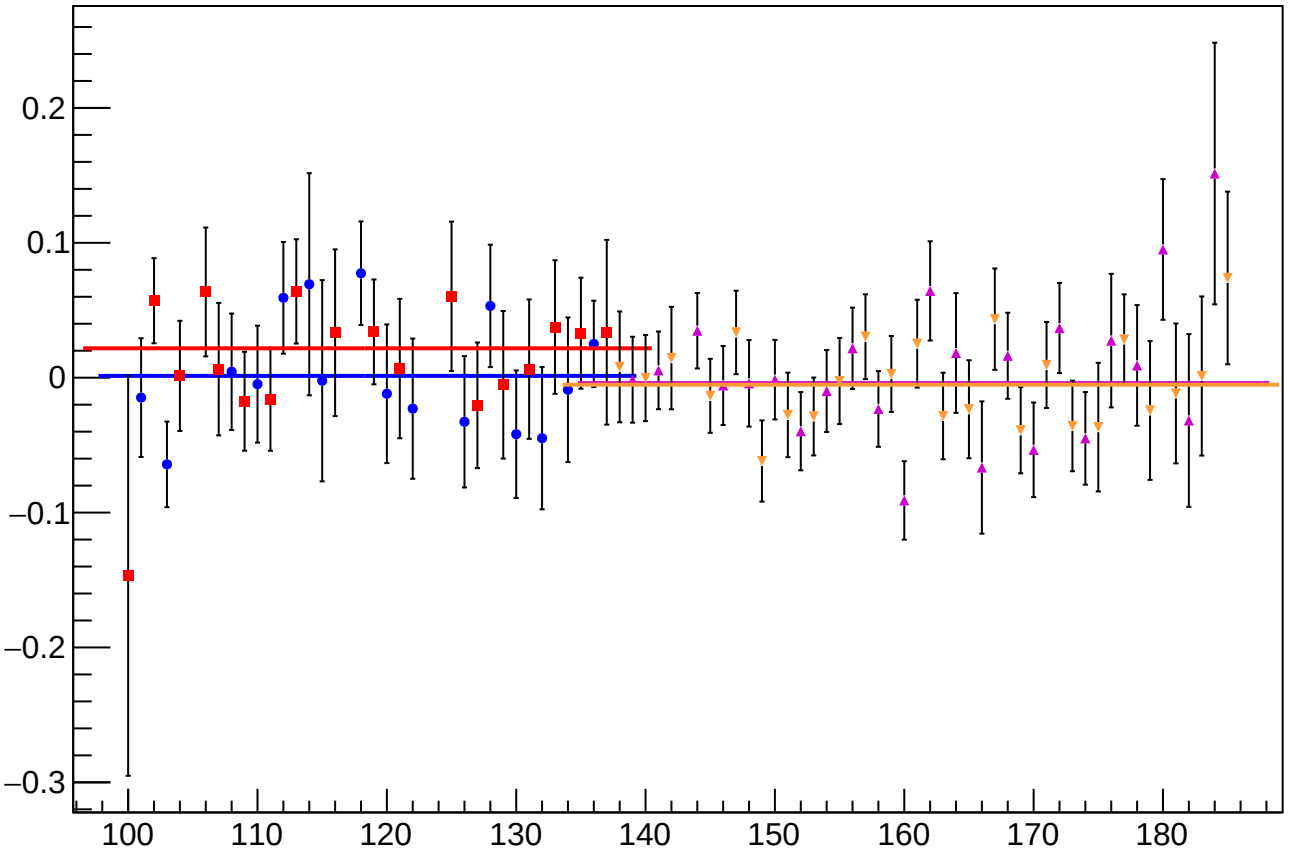
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

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

+ sign 28.885+/-0.004 χ^2/NDF: 1349007.3/39

All: 28.898+/-0.003 χ^2/NDF: 2691281.9/80

- 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: -0.005+/-0.007 χ^2/NDF:16.7/23

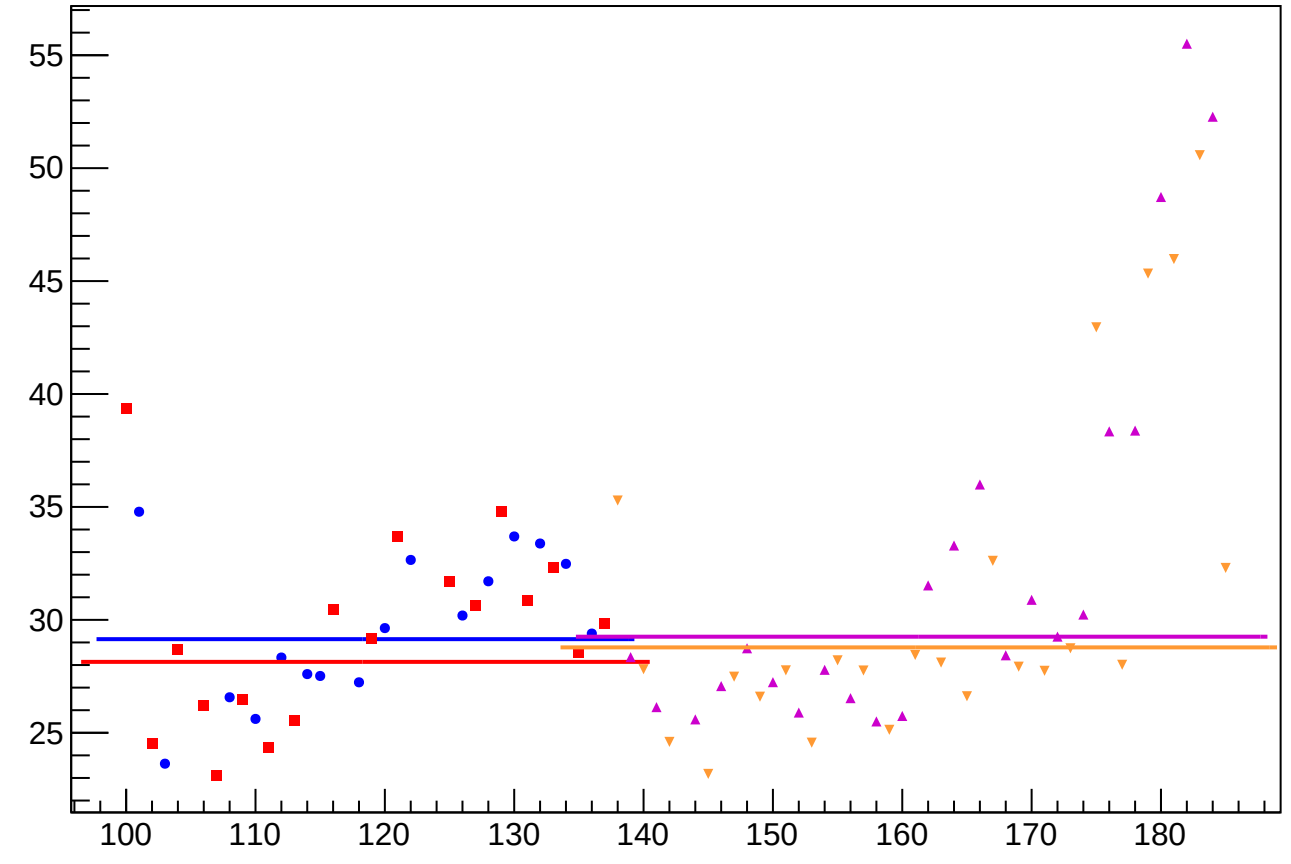
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

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

+ sign -0.003+/-0.006 χ^2/NDF: 32.3/39

All: 0.000+/-0.004 χ^2/NDF: 77.2/80

- 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: 28.781+/-0.005 χ^2/NDF:1170605.8/23

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

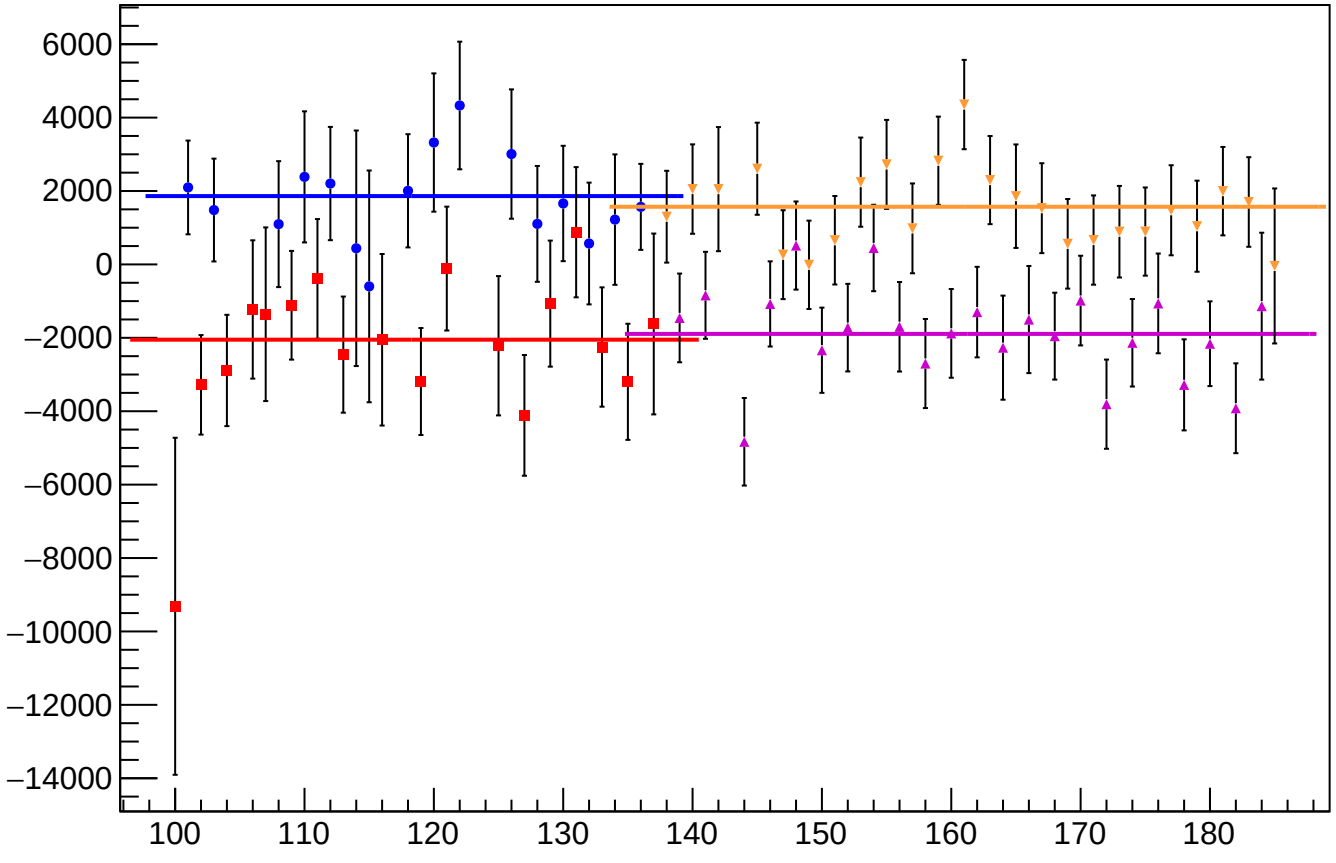
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.885+/-0.004 χ^2/NDF: 1349007.3/39

All: 28.898+/-0.003 χ^2/NDF: 2691281.9/80

- 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: 1571.055+/-256.536 χ^2/NDF:15.4/23

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

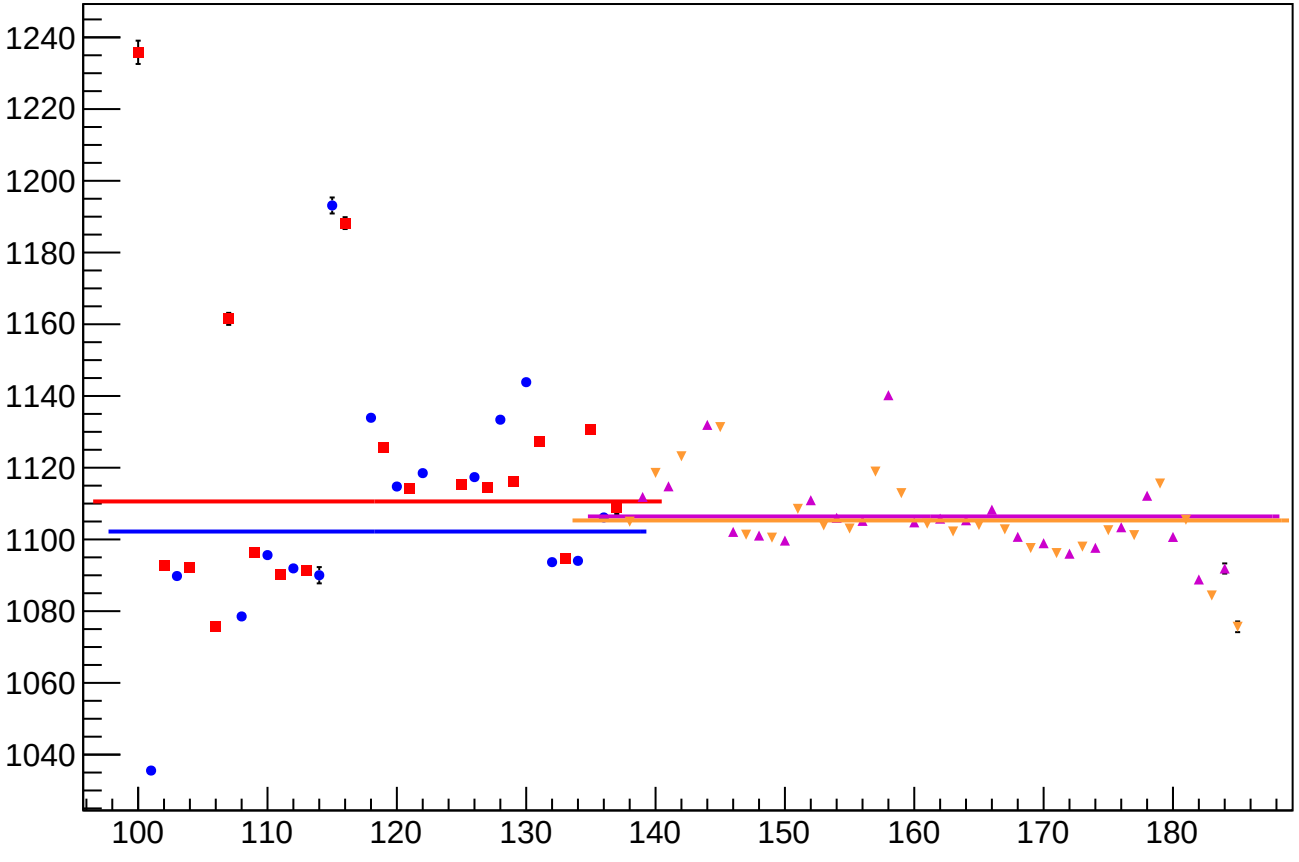
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1652.915+/-217.403 χ^2/NDF: 21.1/39

All: -133.983+/-154.098 χ^2/NDF: 193.6/80

- 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: 1105.294+/-0.181 χ^2/NDF:3161.8/23

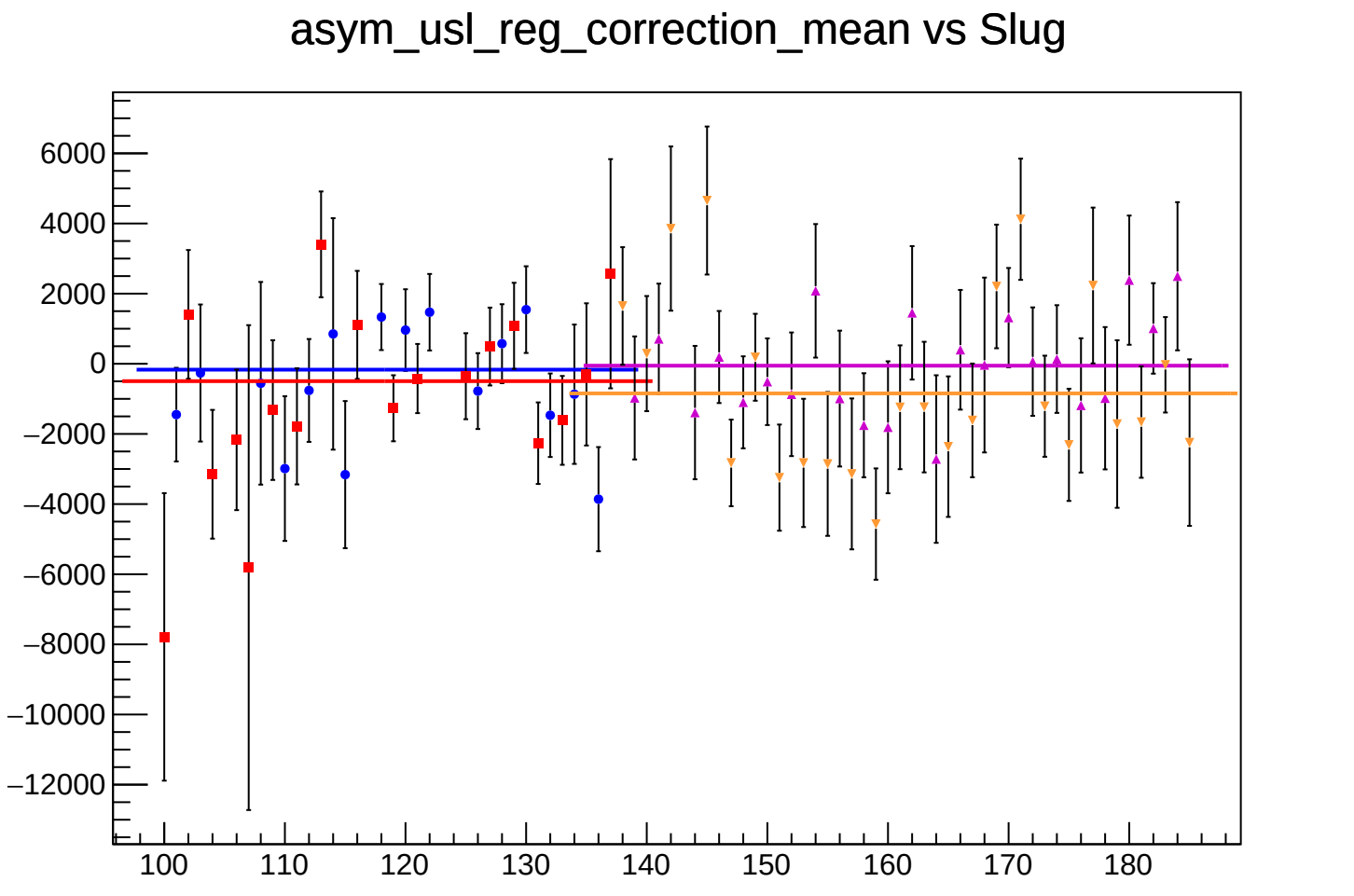
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

+ sign 1104.424+/-0.154 χ^2/NDF: 14592.4/39

All: 1106.003+/-0.109 χ^2/NDF: 26426.7/80

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



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

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

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

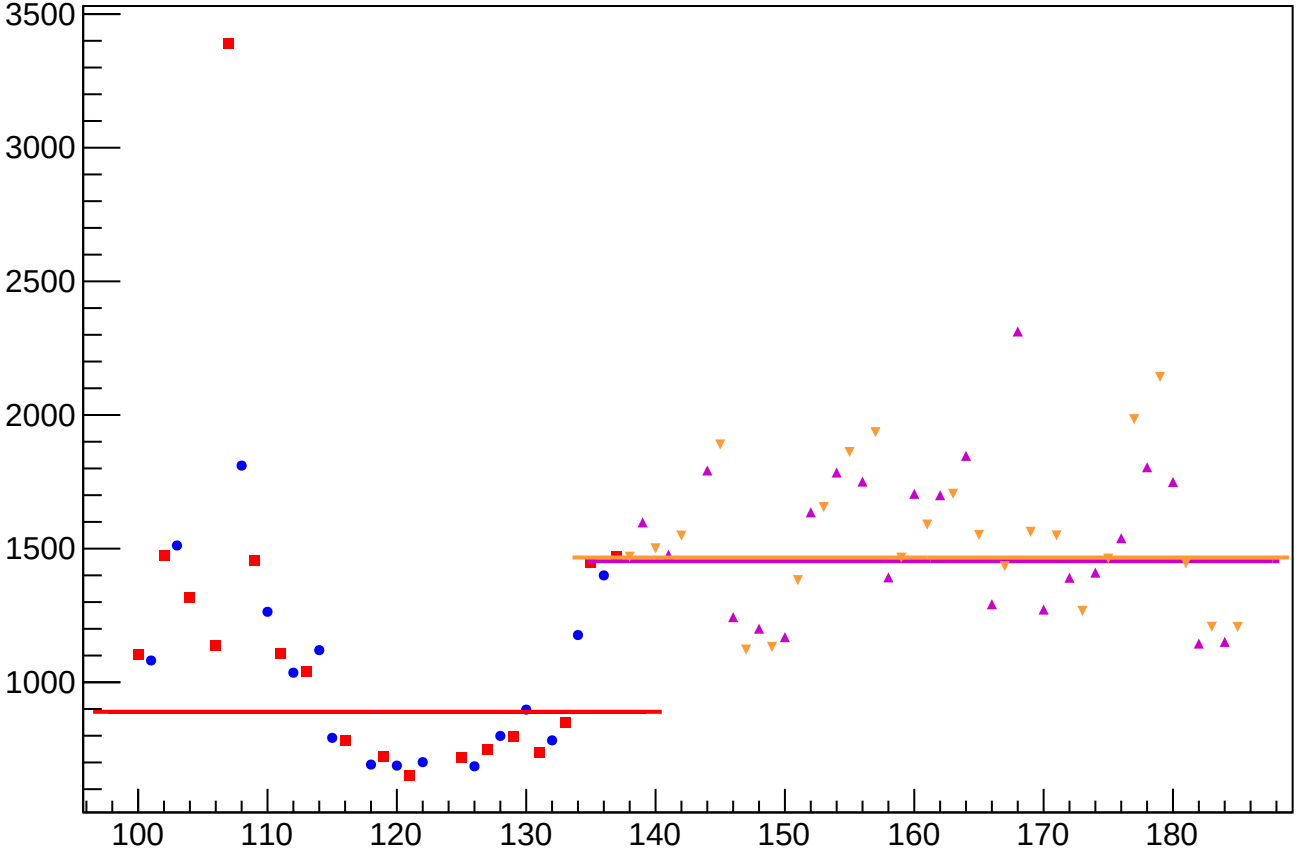
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

\+ sign -504.409+/-244.935 χ^2/NDF: 67.1/39

All: -389.582+/-172.974 χ^2/NDF: 104.7/80

\- 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: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

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

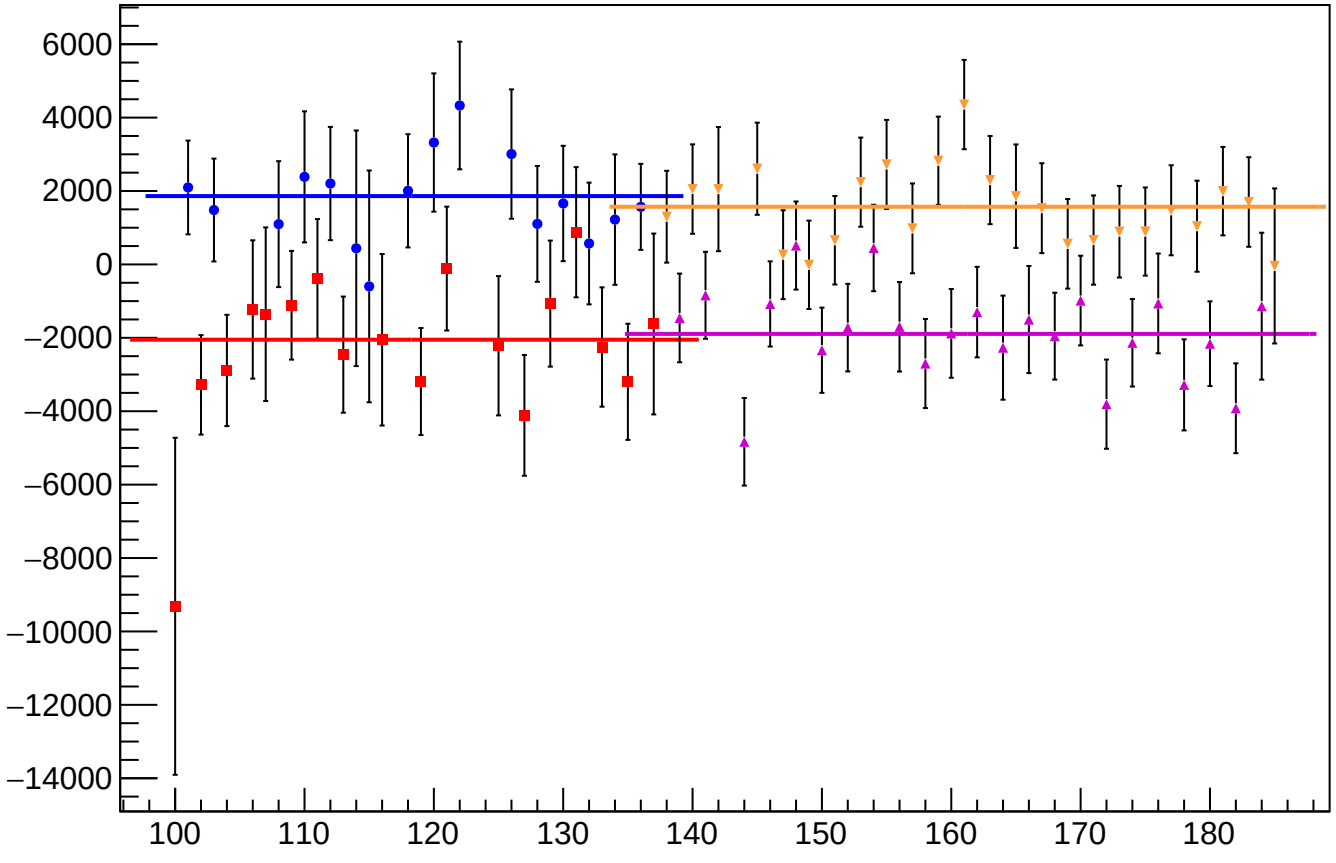
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1176.312+/-0.173 χ^2/NDF: 4959284.7/39

All: 1173.393+/-0.122 χ^2/NDF: 10095146.1/8

- 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: 1571.055+/-256.536 χ^2/NDF:15.4/23

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

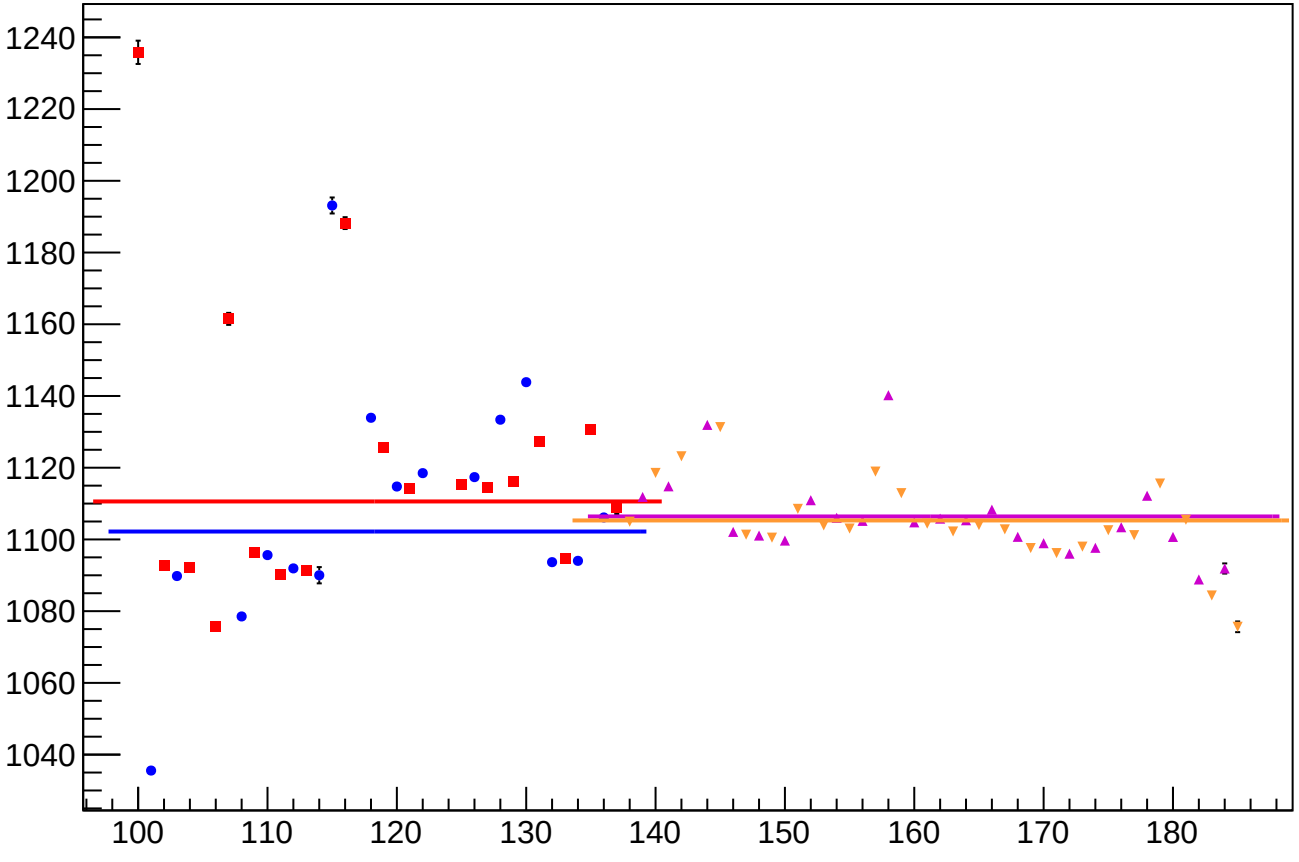
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1652.915+/-217.403 χ^2/NDF: 21.1/39

All: -133.983+/-154.098 χ^2/NDF: 193.6/80

- 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: 1105.294+/-0.181 χ^2/NDF:3161.8/23

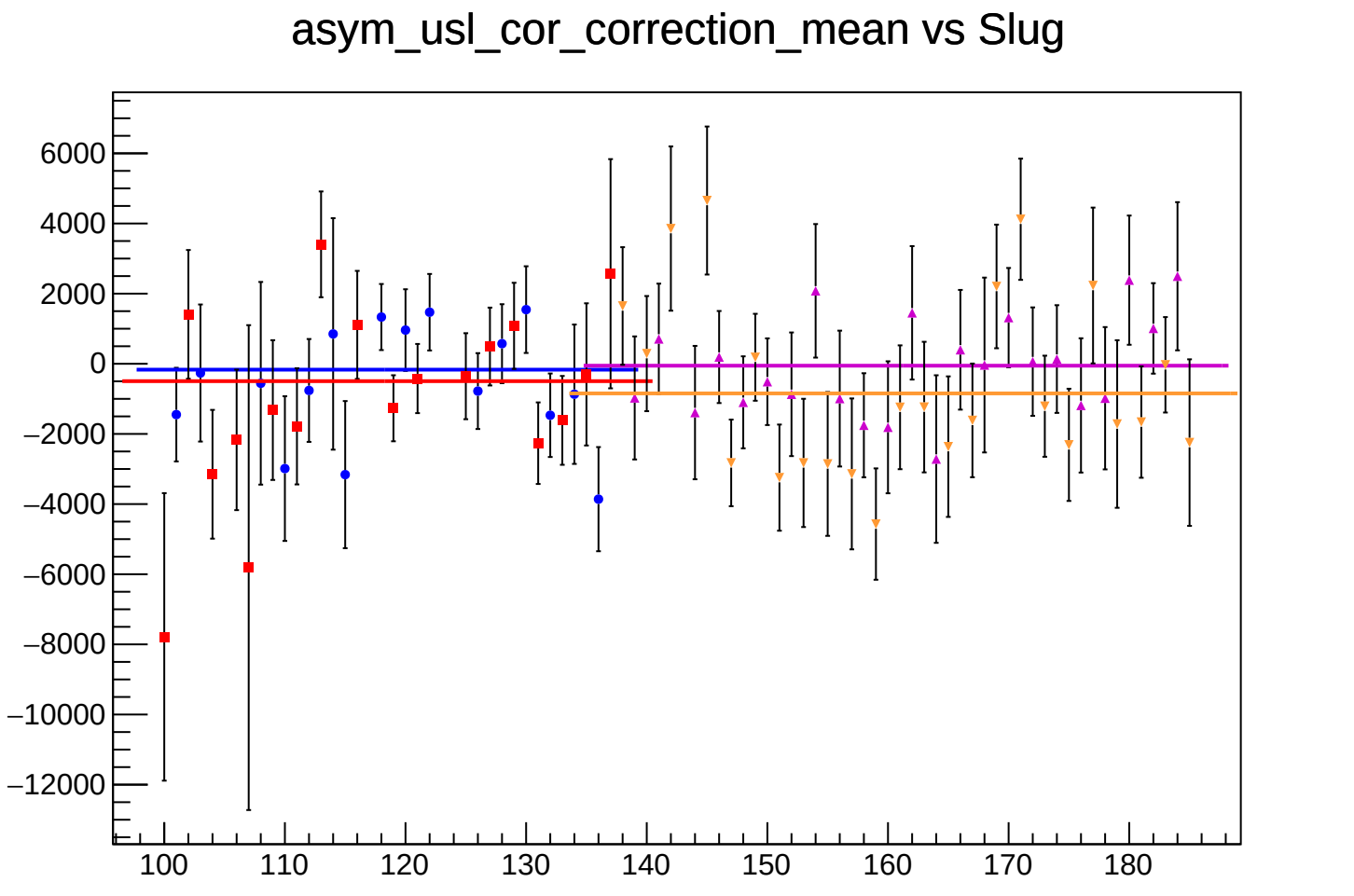
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

+ sign 1104.424+/-0.154 χ^2/NDF: 14592.4/39

All: 1106.003+/-0.109 χ^2/NDF: 26426.7/80

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



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

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

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

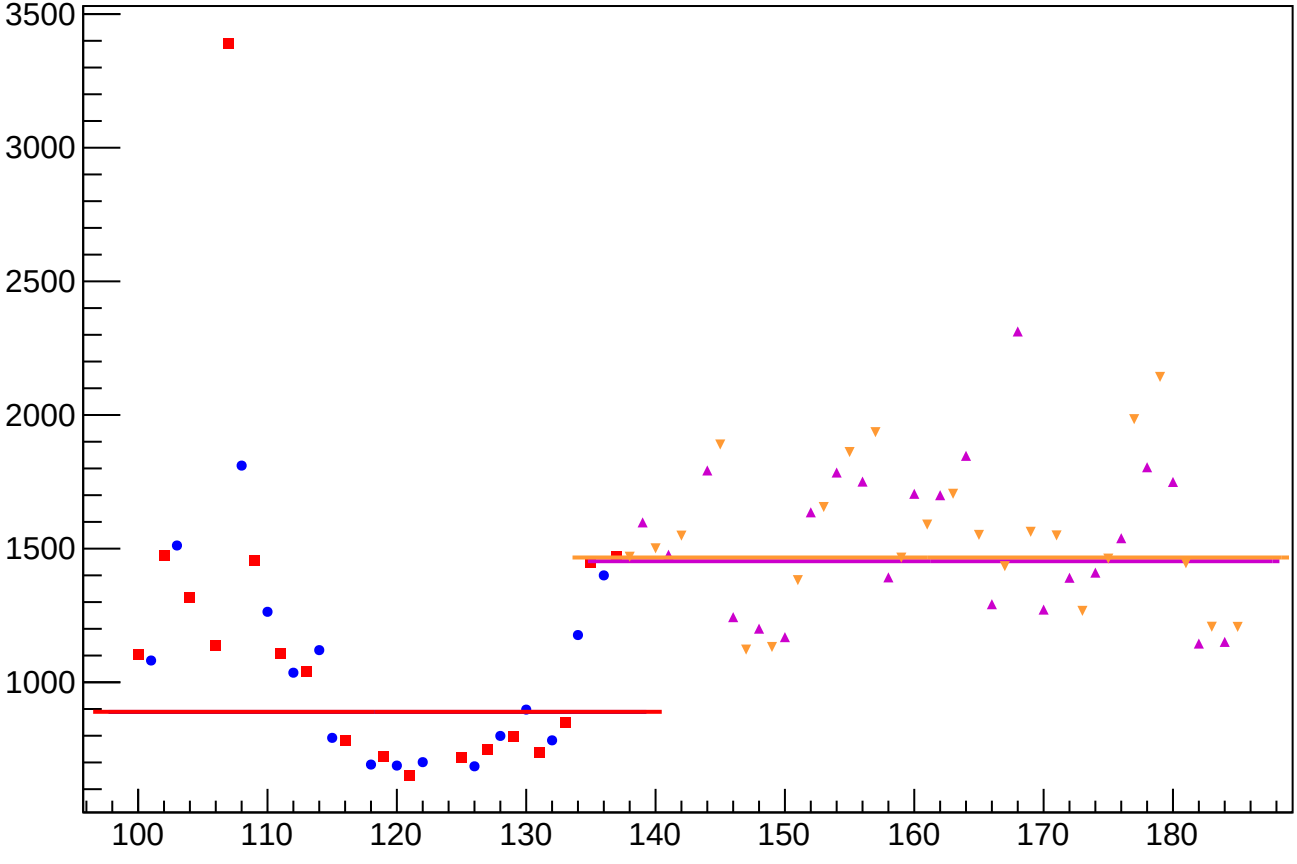
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

\+ sign -504.409+/-244.935 χ^2/NDF: 67.1/39

All: -389.582+/-172.974 χ^2/NDF: 104.7/80

\- 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: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

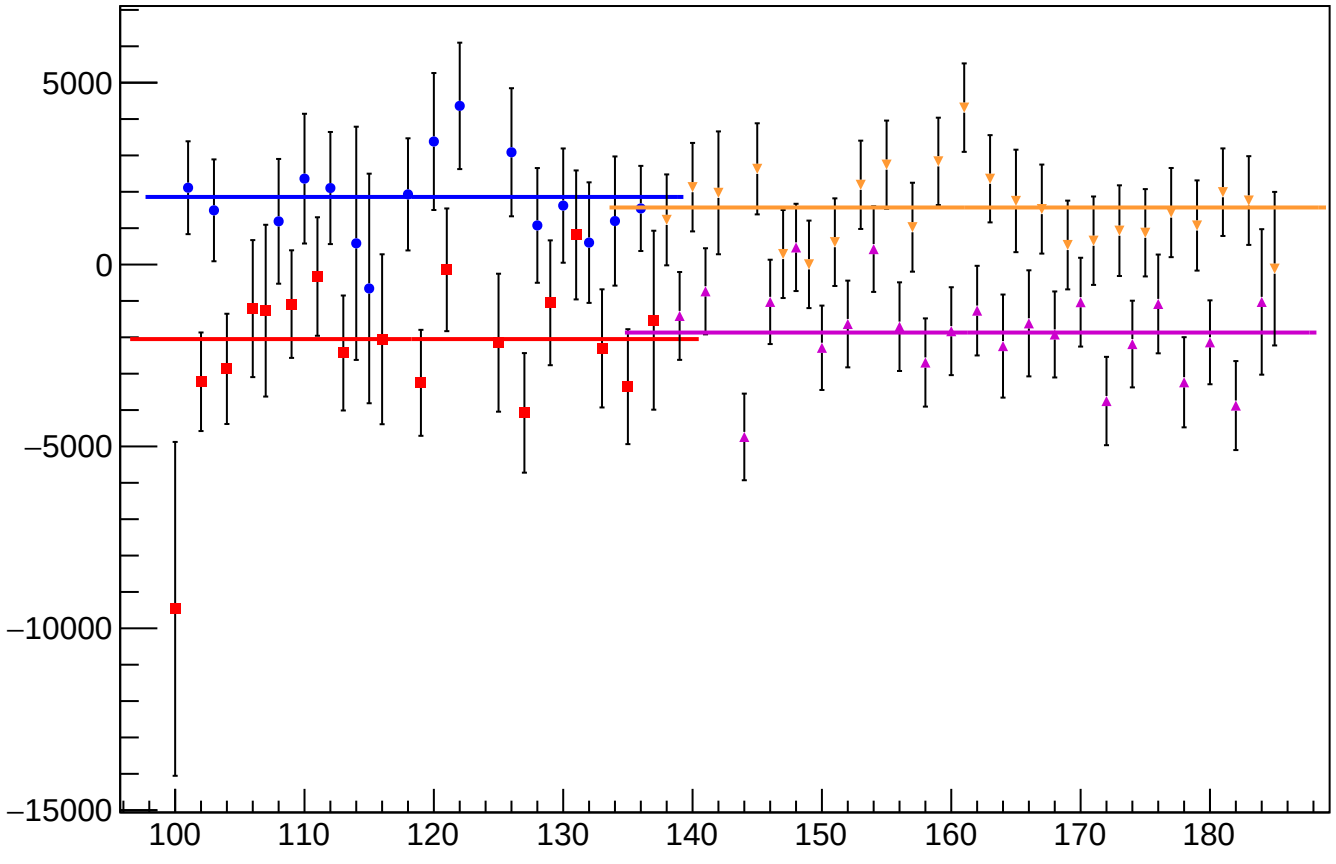
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

+ sign 1176.312+/-0.173 χ^2/NDF: 4959284.7/39

All: 1173.393+/-0.122 χ^2/NDF: 10095146.1/8

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



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

Left Out: 1568.786+/-256.294 χ^2/NDF:15.4/23

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

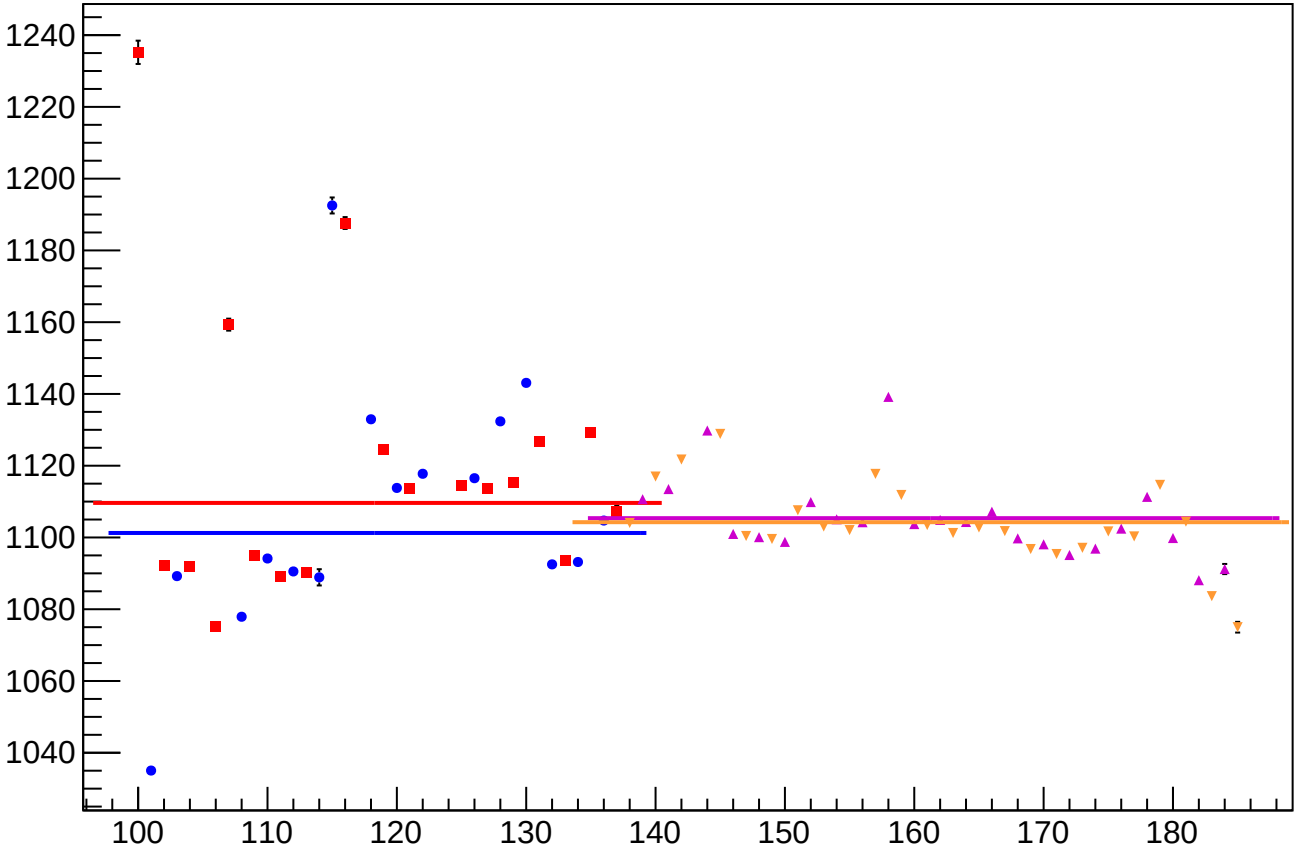
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1650.475+/-217.203 χ^2/NDF: 21.2/39

All: -126.342+/-153.957 χ^2/NDF: 192.0/80

- 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: 1104.258+/-0.181 χ^2/NDF:2999.2/23

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

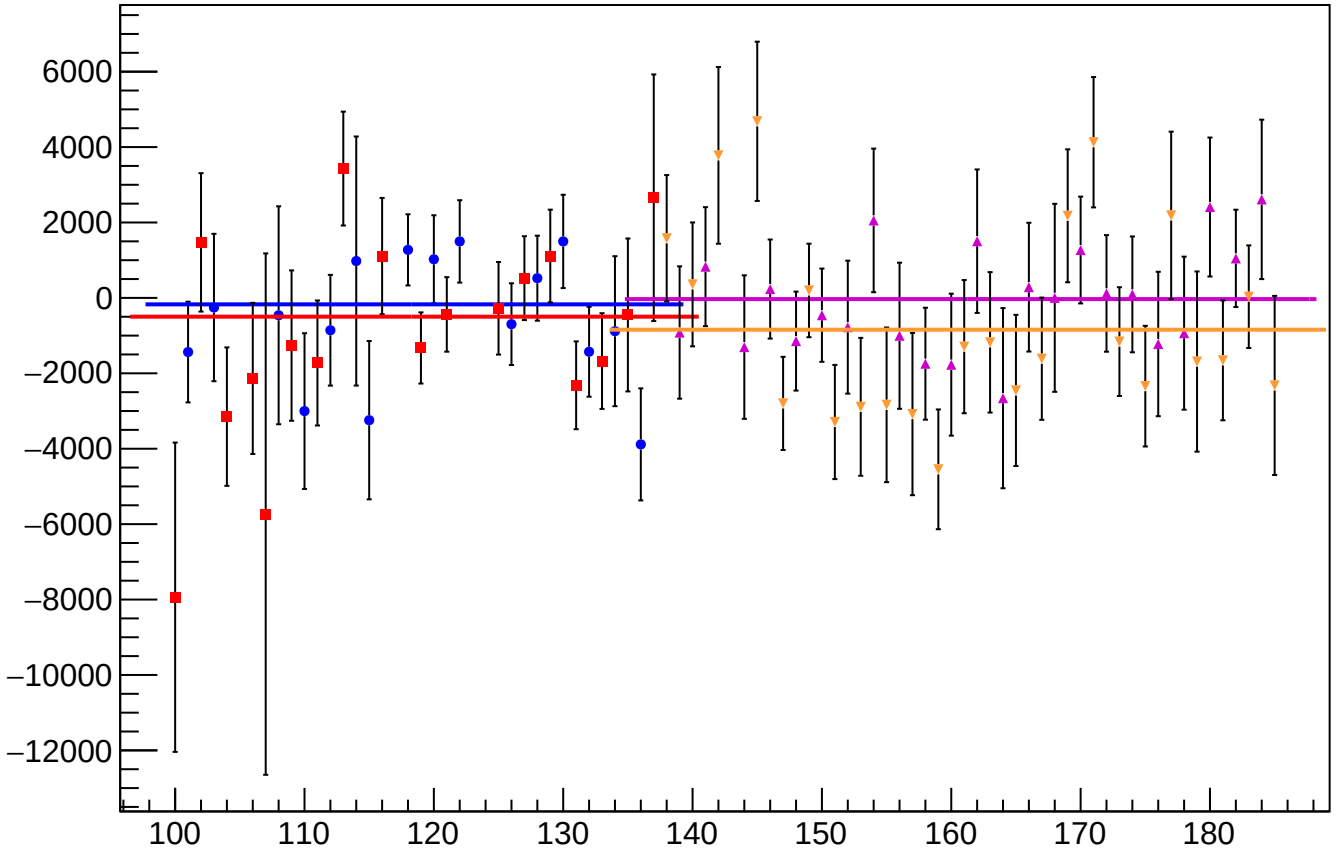
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1103.412+/-0.154 χ^2/NDF: 14384.9/39

All: 1104.994+/-0.109 χ^2/NDF: 26086.6/80

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

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

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

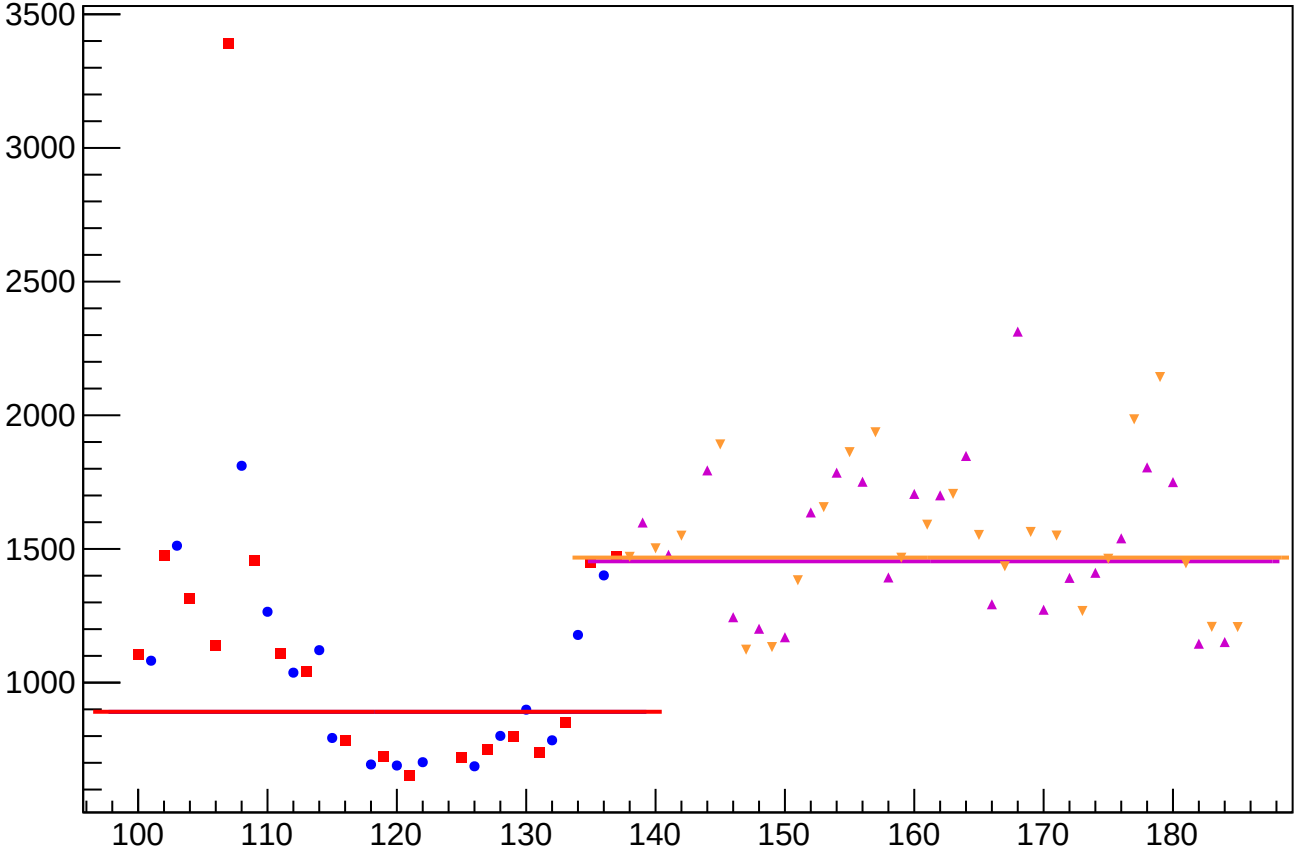
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -505.595+/-245.194 χ^2/NDF: 66.8/39

All: -385.021+/-173.154 χ^2/NDF: 105.2/80

- 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: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

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

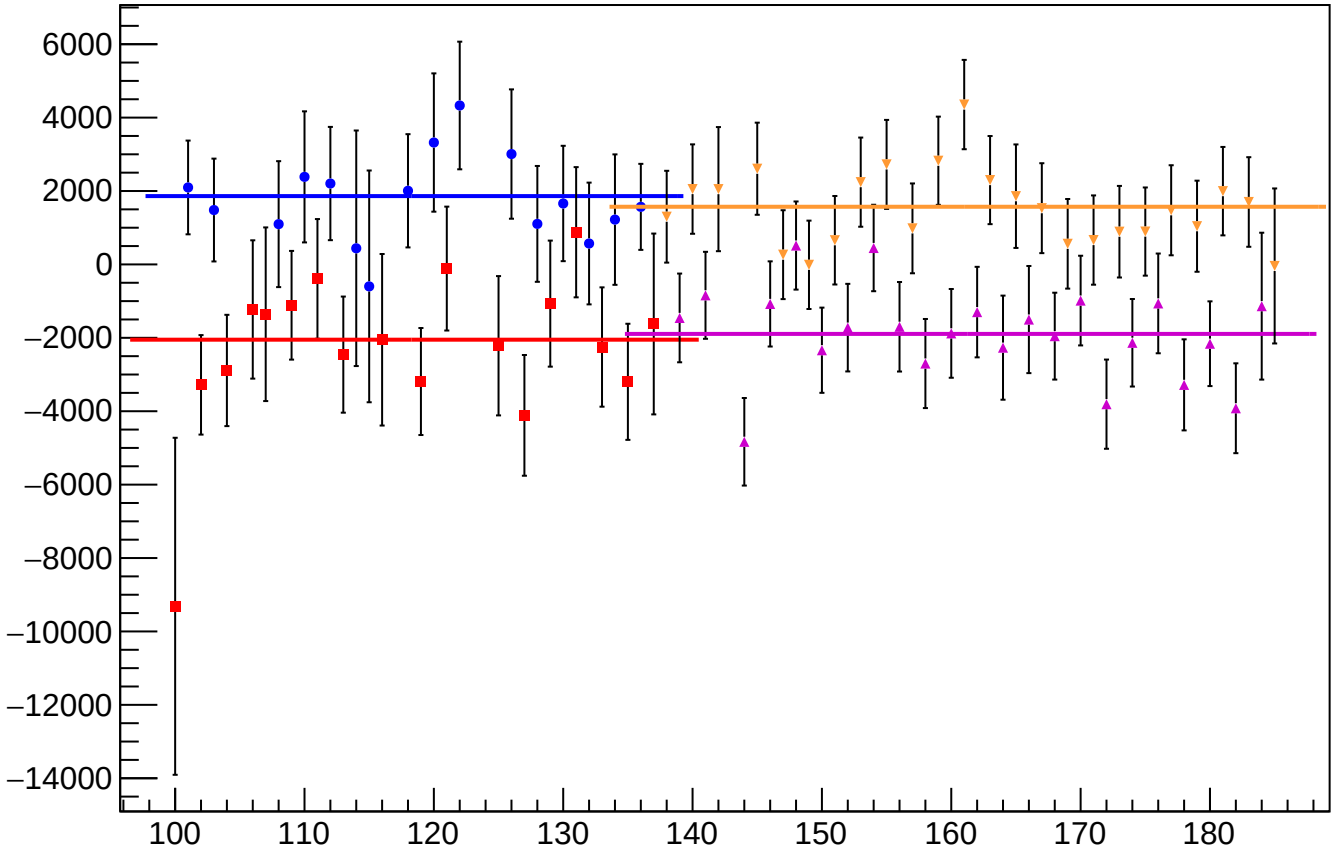
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1177.799+/-0.173 χ^2/NDF: 4941371.2/39

All: 1174.845+/-0.122 χ^2/NDF: 10060582.3/8

- 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: 1571.055+/-256.536 χ^2/NDF:15.4/23

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

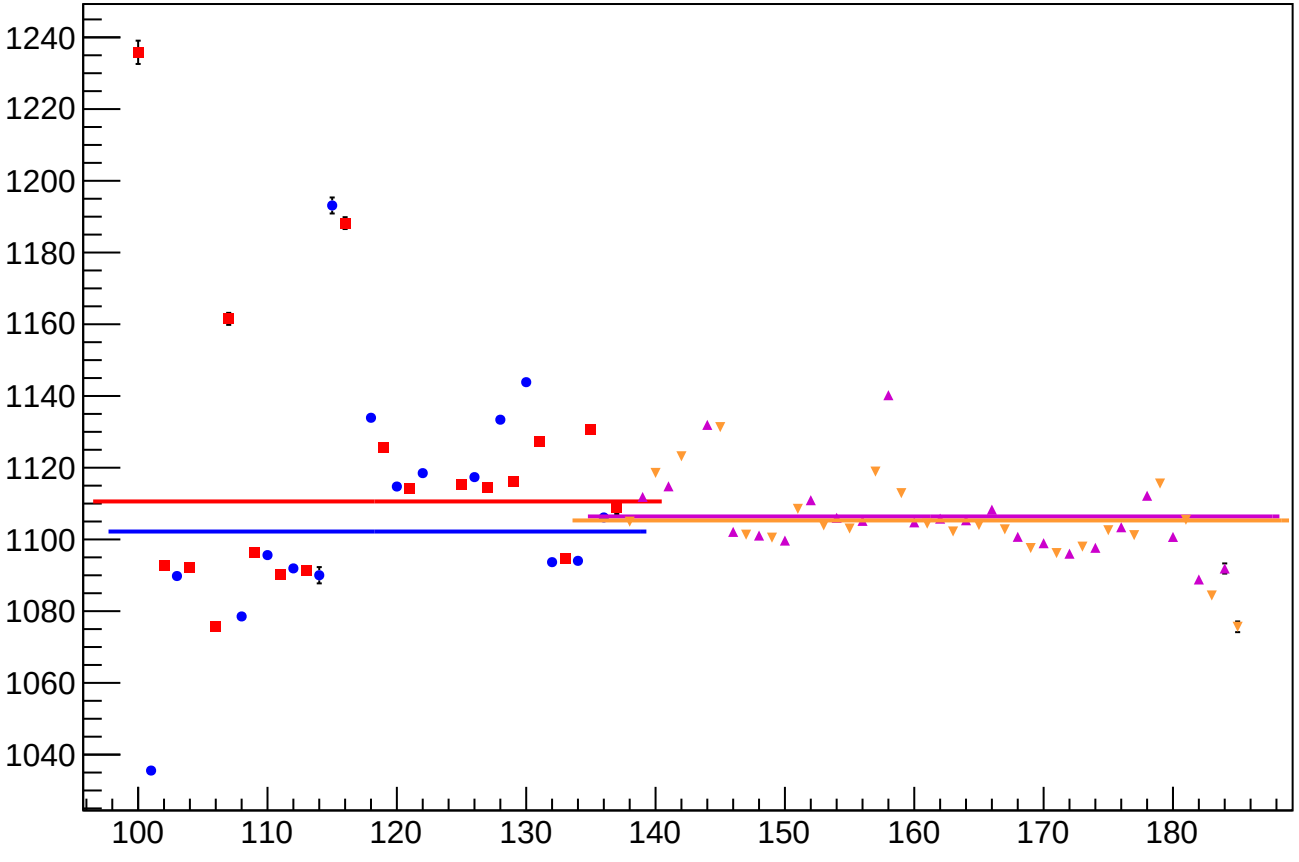
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1652.915+/-217.403 χ^2/NDF: 21.1/39

All: -133.983+/-154.098 χ^2/NDF: 193.6/80

- 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: 1105.294+/-0.181 χ^2/NDF:3161.8/23

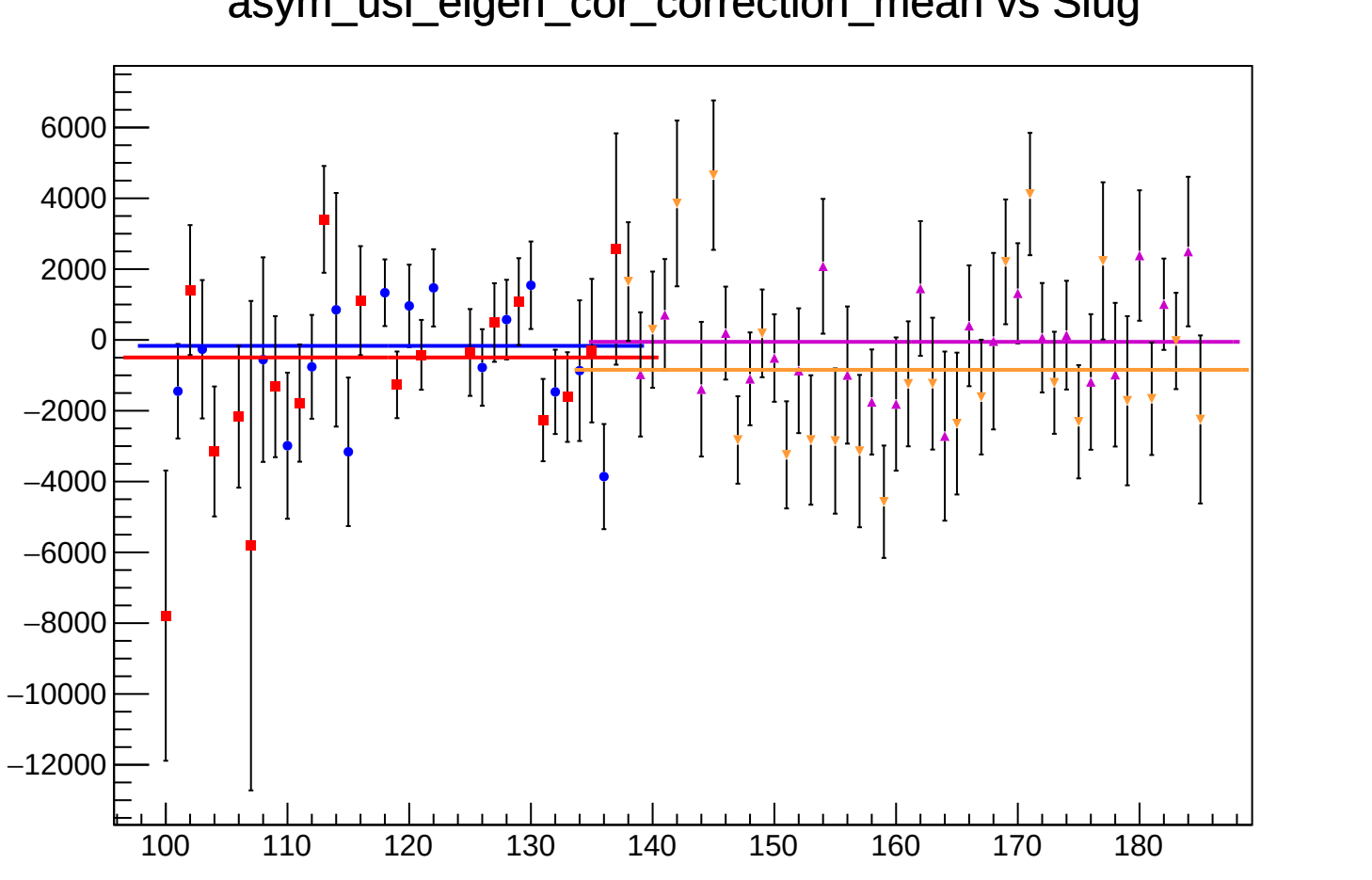
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

+ sign 1104.424+/-0.154 χ^2/NDF: 14592.4/39

All: 1106.003+/-0.109 χ^2/NDF: 26426.7/80

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



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

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

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

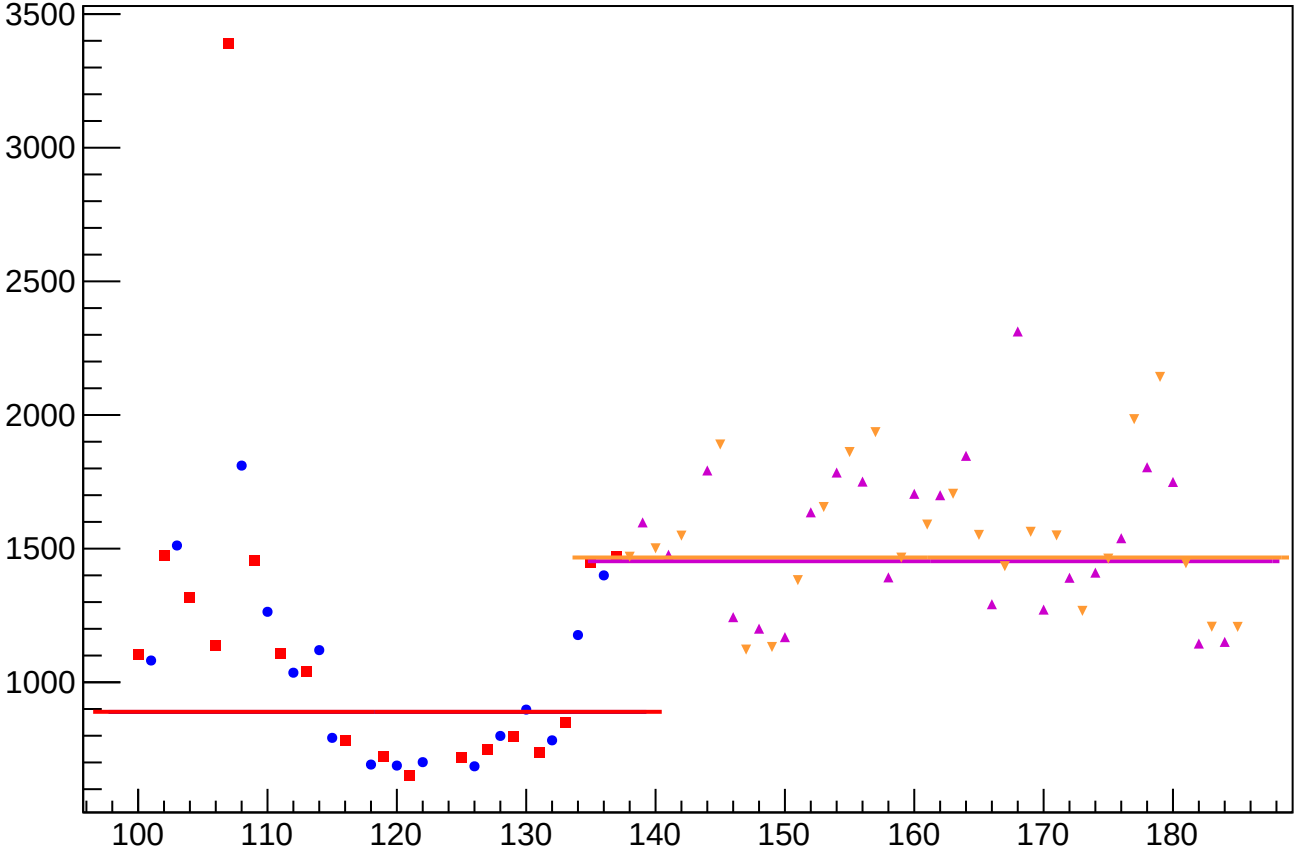
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

\+ sign -504.409+/-244.935 χ^2/NDF: 67.1/39

All: -389.582+/-172.974 χ^2/NDF: 104.7/80

\- 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: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

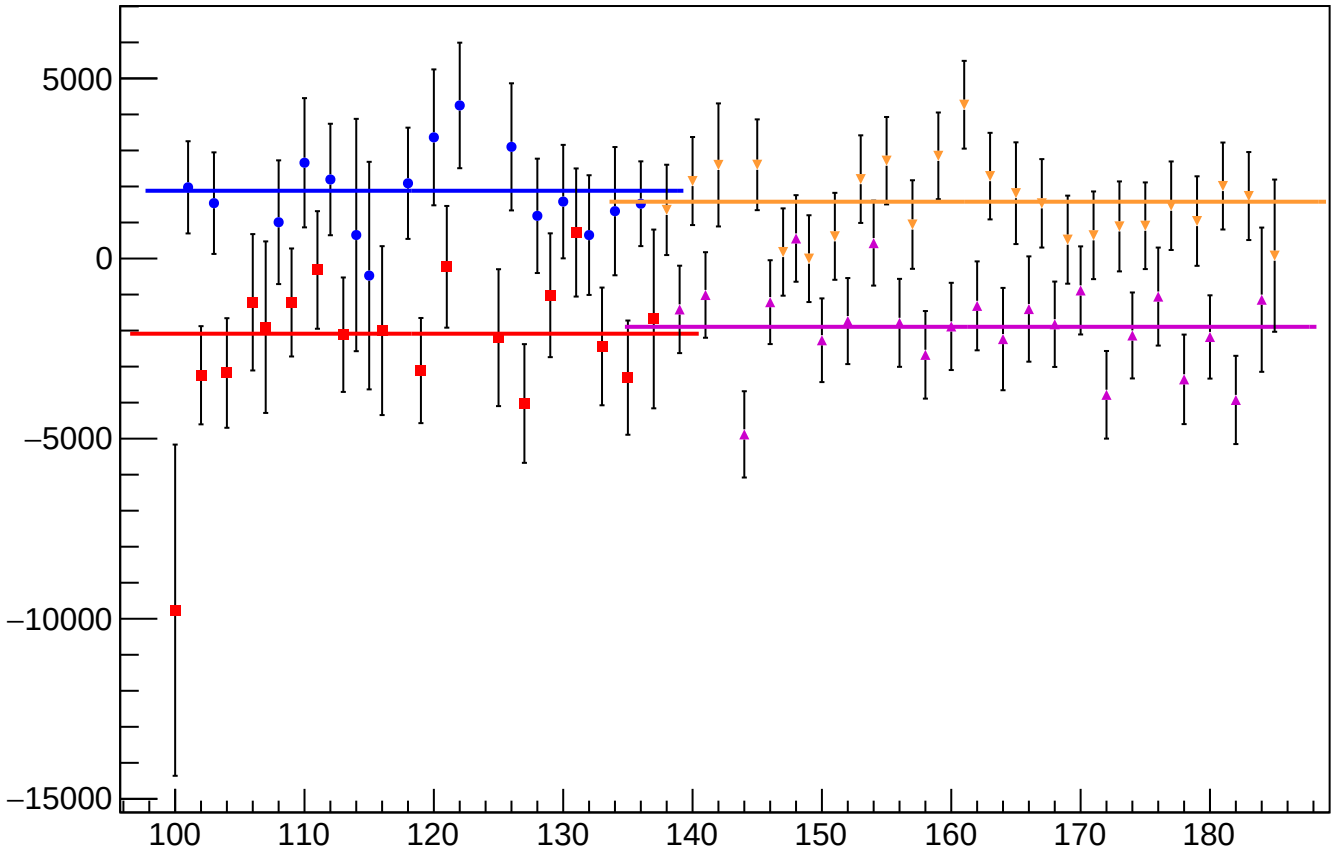
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

+ sign 1176.312+/-0.173 χ^2/NDF: 4959284.7/39

All: 1173.393+/-0.122 χ^2/NDF: 10095146.1/8

- 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: 1577.402+/-257.003 χ^2/NDF:15.5/23

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

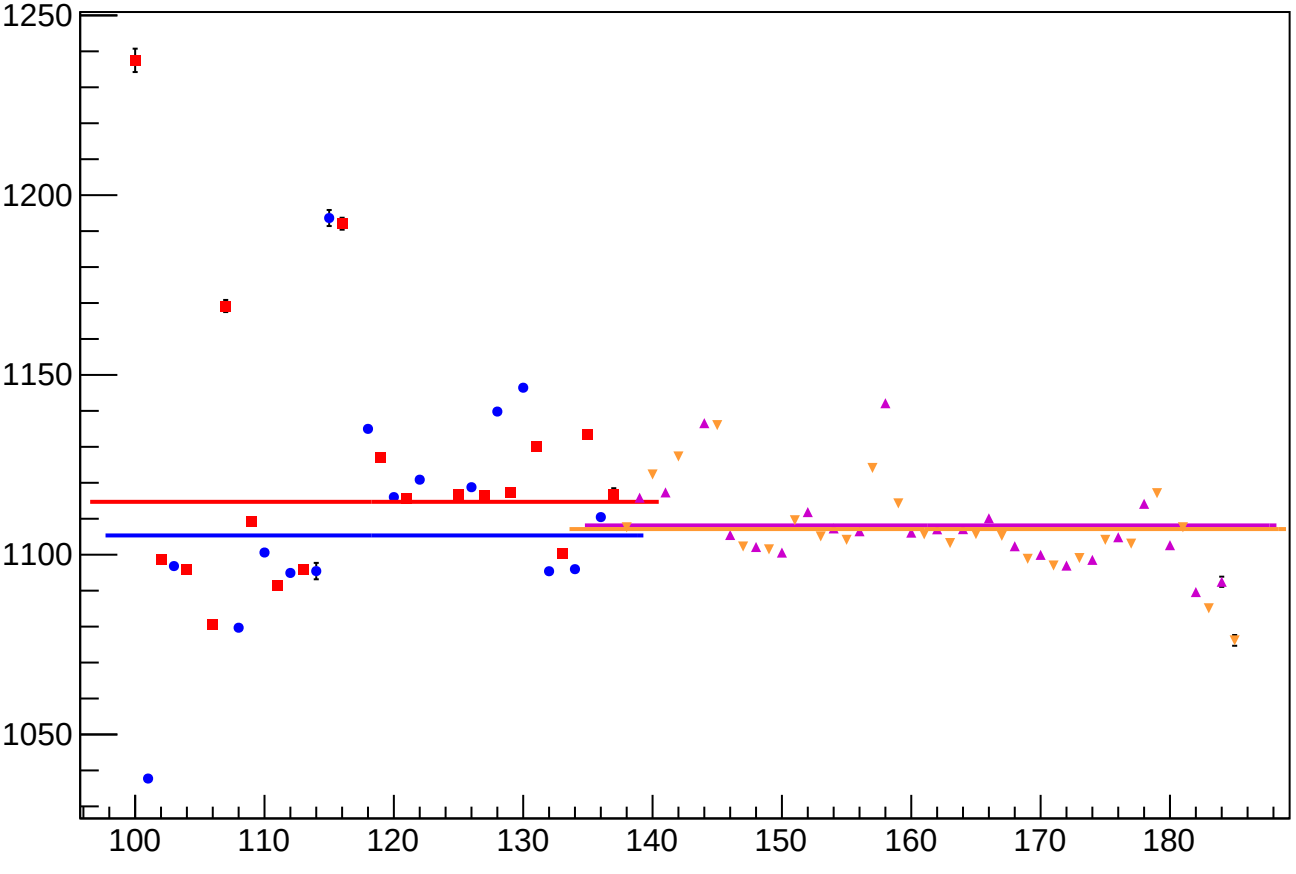
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1662.980+/-217.863 χ^2/NDF: 21.1/39

All: -134.575+/-154.431 χ^2/NDF: 194.6/80

- 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: 1107.127+/-0.182 χ^2/NDF:3783.7/23

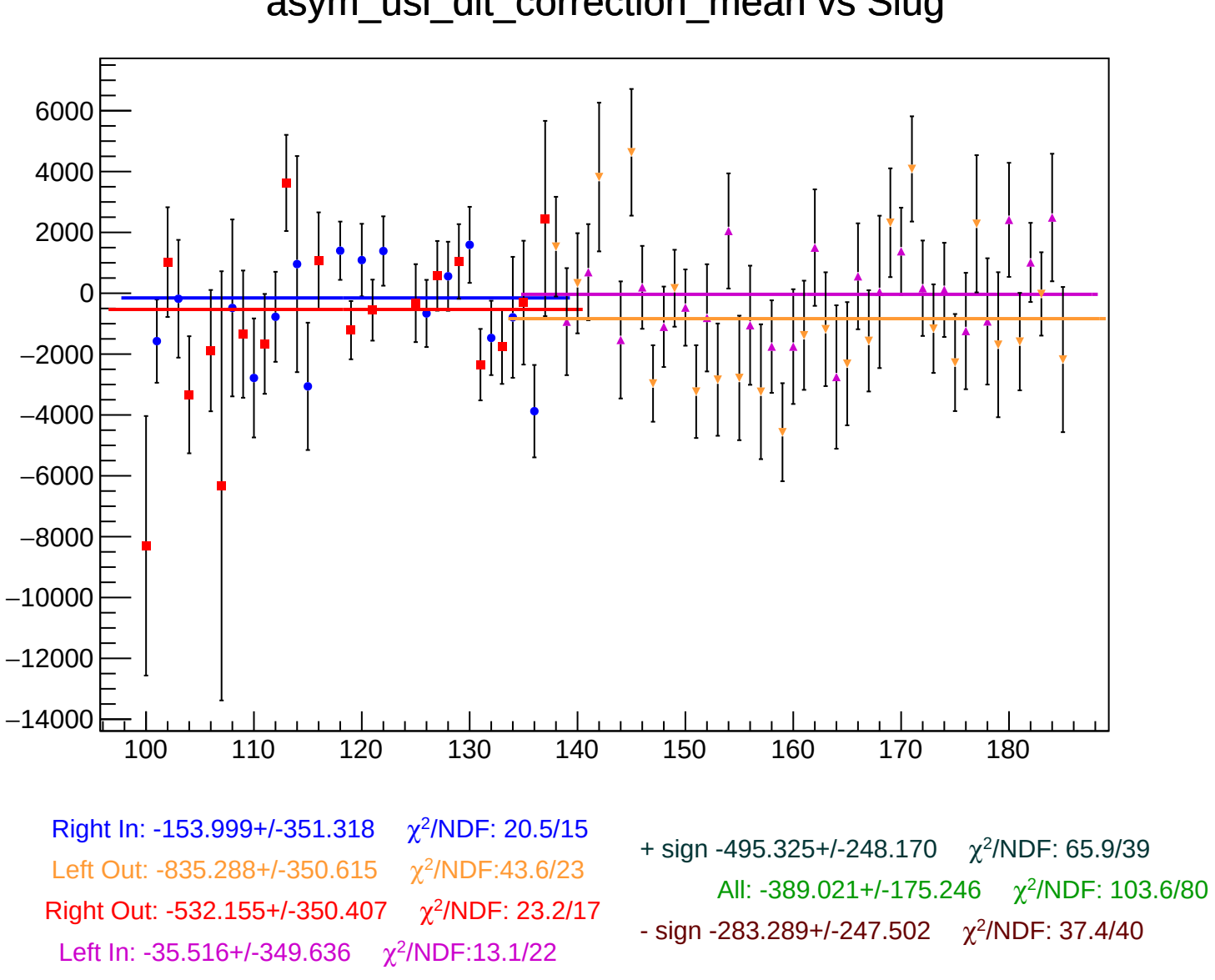
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

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

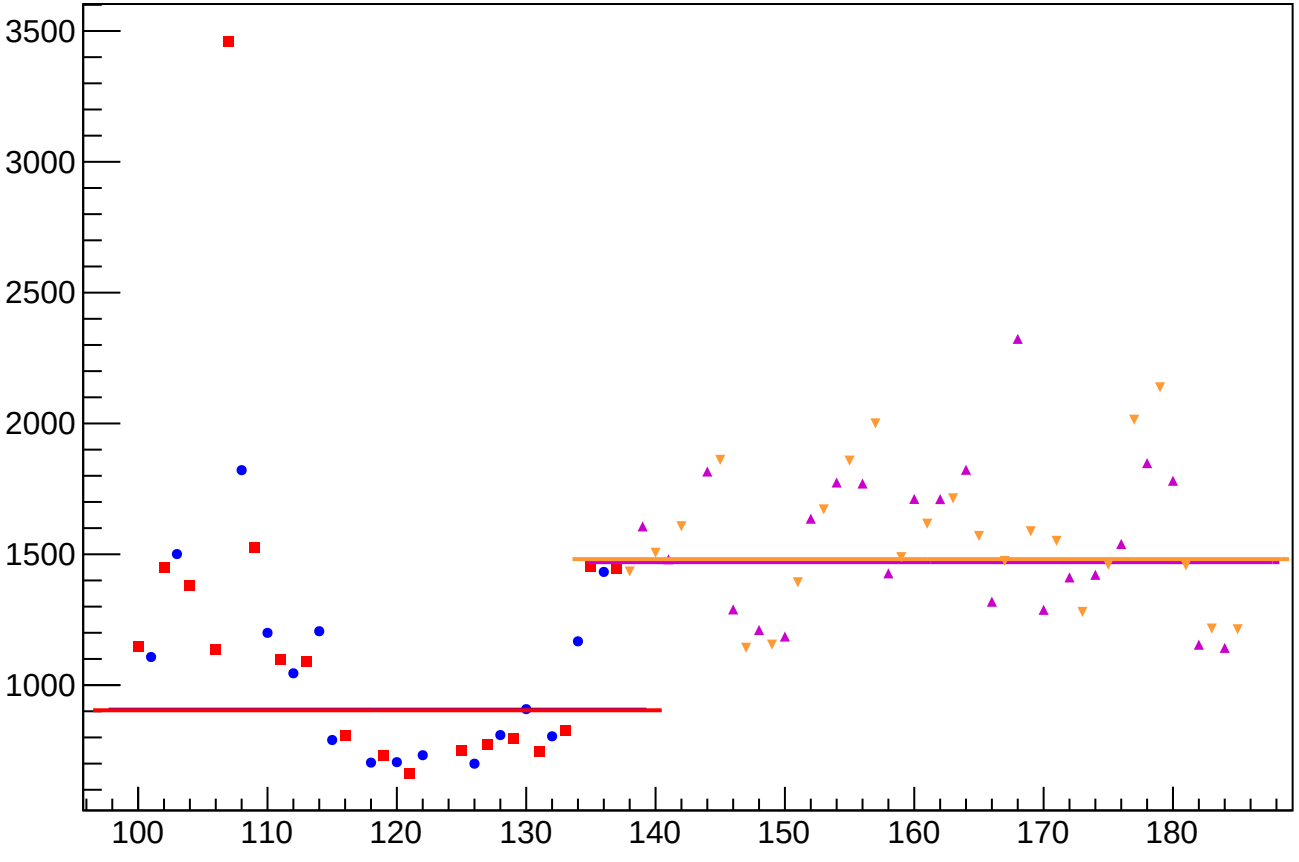
+ sign 1106.628+/-0.154 χ^2/NDF: 15141.4/39

All: 1108.310+/-0.109 χ^2/NDF: 27266.9/80

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


asym_usl_dit_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
100
110
120
130
140
150
160
170
180
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -835.288+/-350.615 χ²/NDF:43.6/23
Right Out: -532.155+/-350.407 χ²/NDF: 23.2/17
Left In: -35.516+/-349.636 χ²/NDF:13.1/22
+ sign -495.325+/-248.170 χ²/NDF: 65.9/39
All: -389.021+/-175.246 χ²/NDF: 103.6/80
- sign -283.289+/-247.502 χ²/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: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

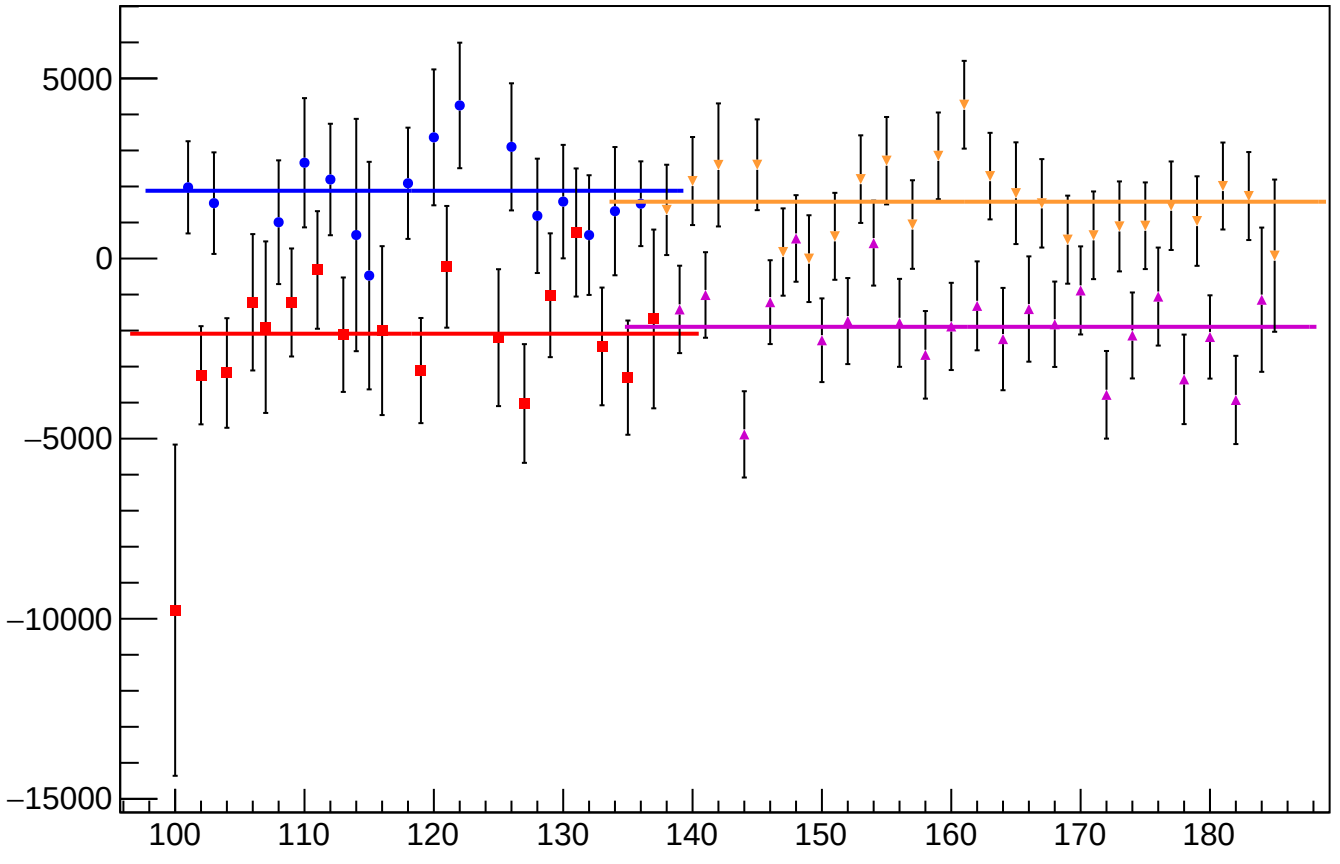
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

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

+ sign 1194.366+/-0.175 χ^2/NDF: 4785775.4/39

All: 1190.900+/-0.124 χ^2/NDF: 9837839.7/80

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



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

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

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

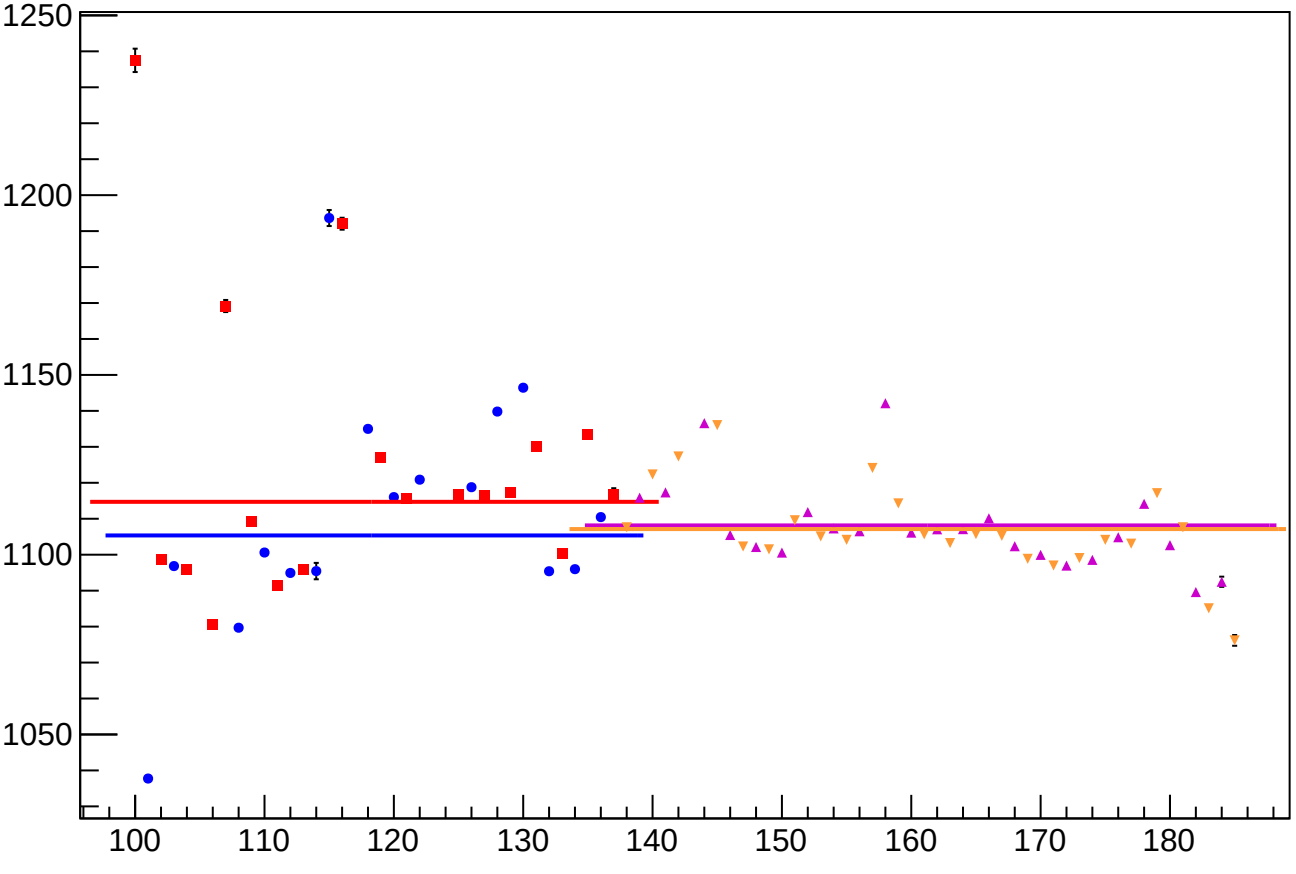
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1662.978+/-217.863 χ^2/NDF: 21.1/39

All: -134.576+/-154.431 χ^2/NDF: 194.6/80

- 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: 1107.127+/-0.182 χ^2/NDF:3783.7/23

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

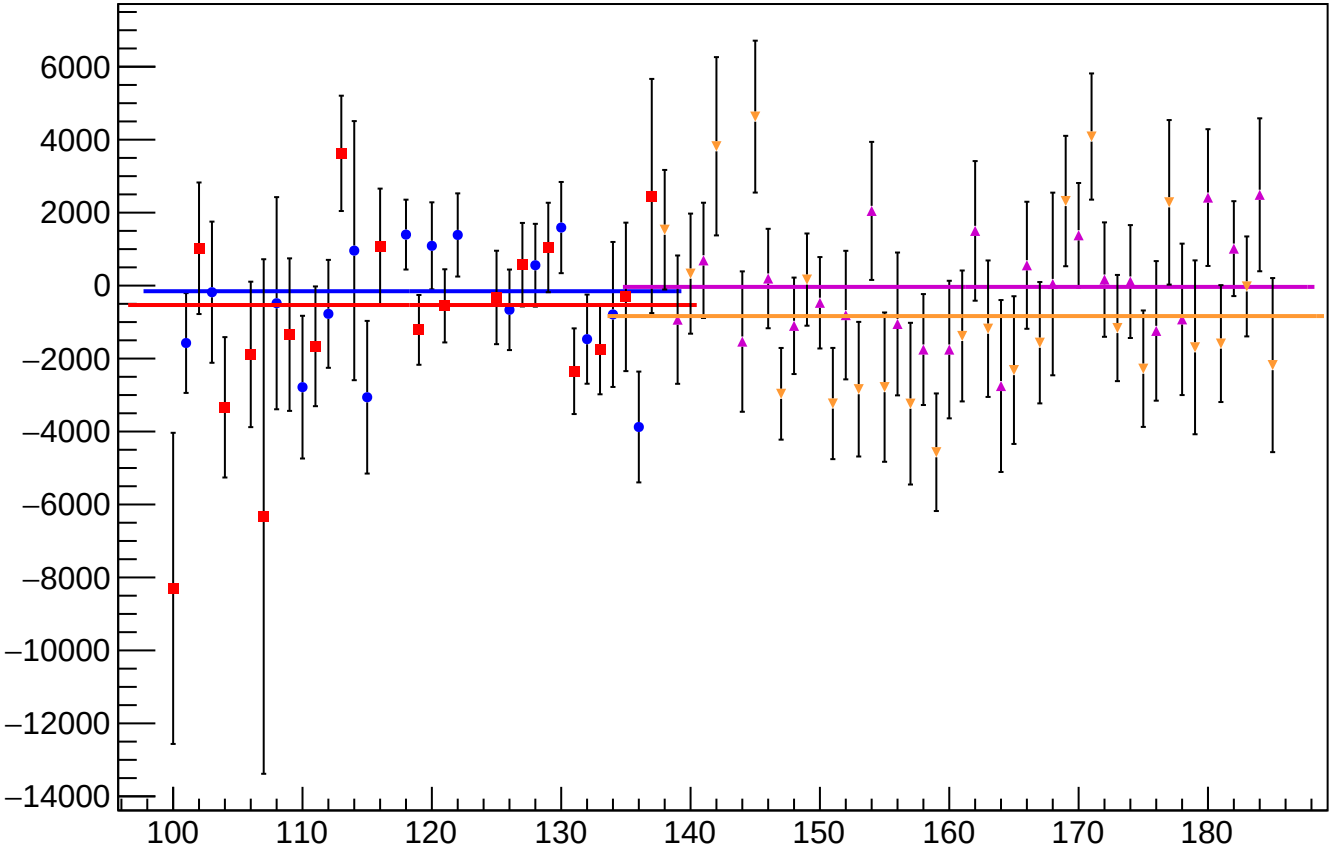
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1106.628+/-0.154 χ^2/NDF: 15141.4/39

All: 1108.310+/-0.109 χ^2/NDF: 27266.9/80

- 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: -835.291+/-350.615 χ^2/NDF:43.6/23

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

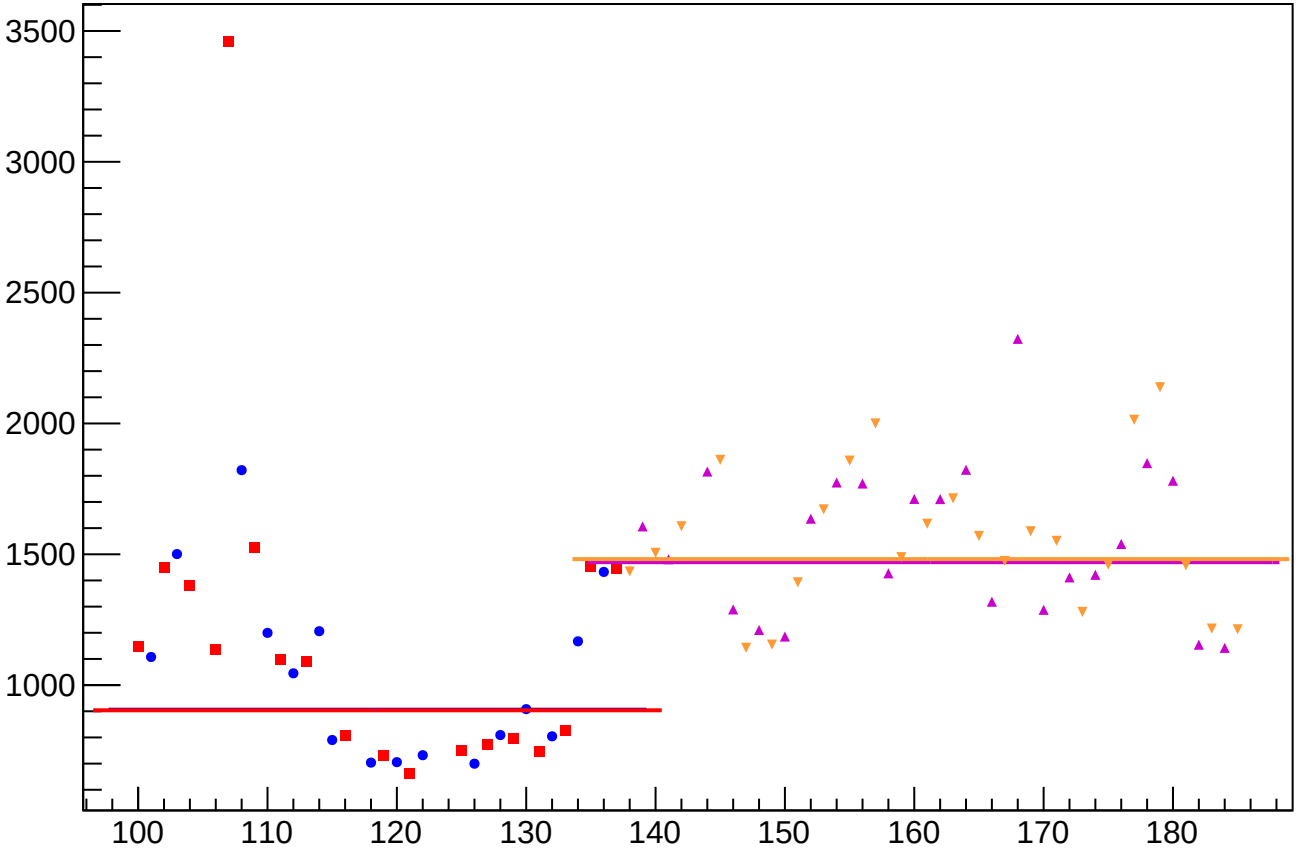
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -495.325+/-248.170 χ^2/NDF: 65.9/39

All: -389.021+/-175.246 χ^2/NDF: 103.6/80

- 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: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

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

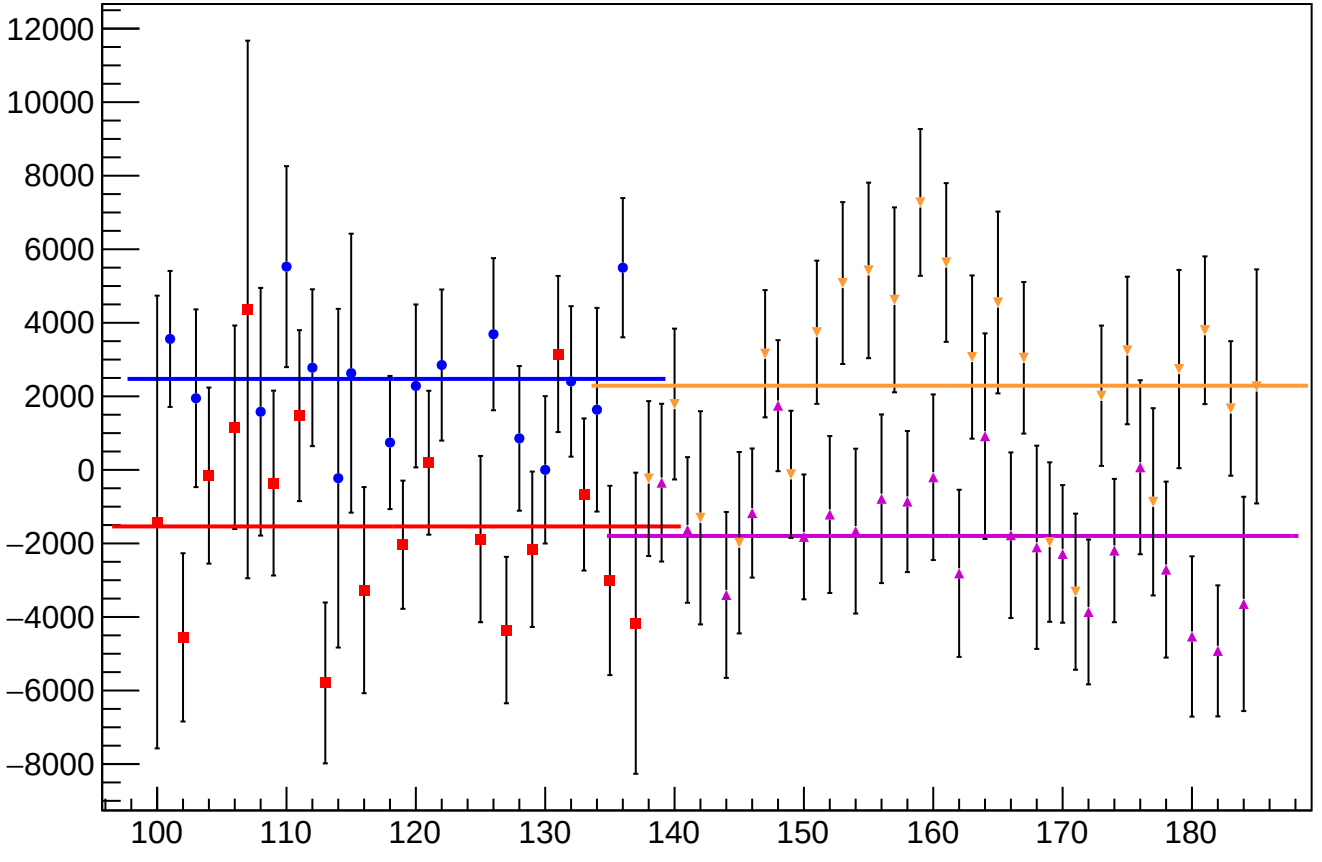
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1194.365+/-0.175 χ^2/NDF: 4785811.8/39

All: 1190.899+/-0.124 χ^2/NDF: 9837912.2/80

- 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: 2289.701+/-439.328 χ^2/NDF:36.0/23

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

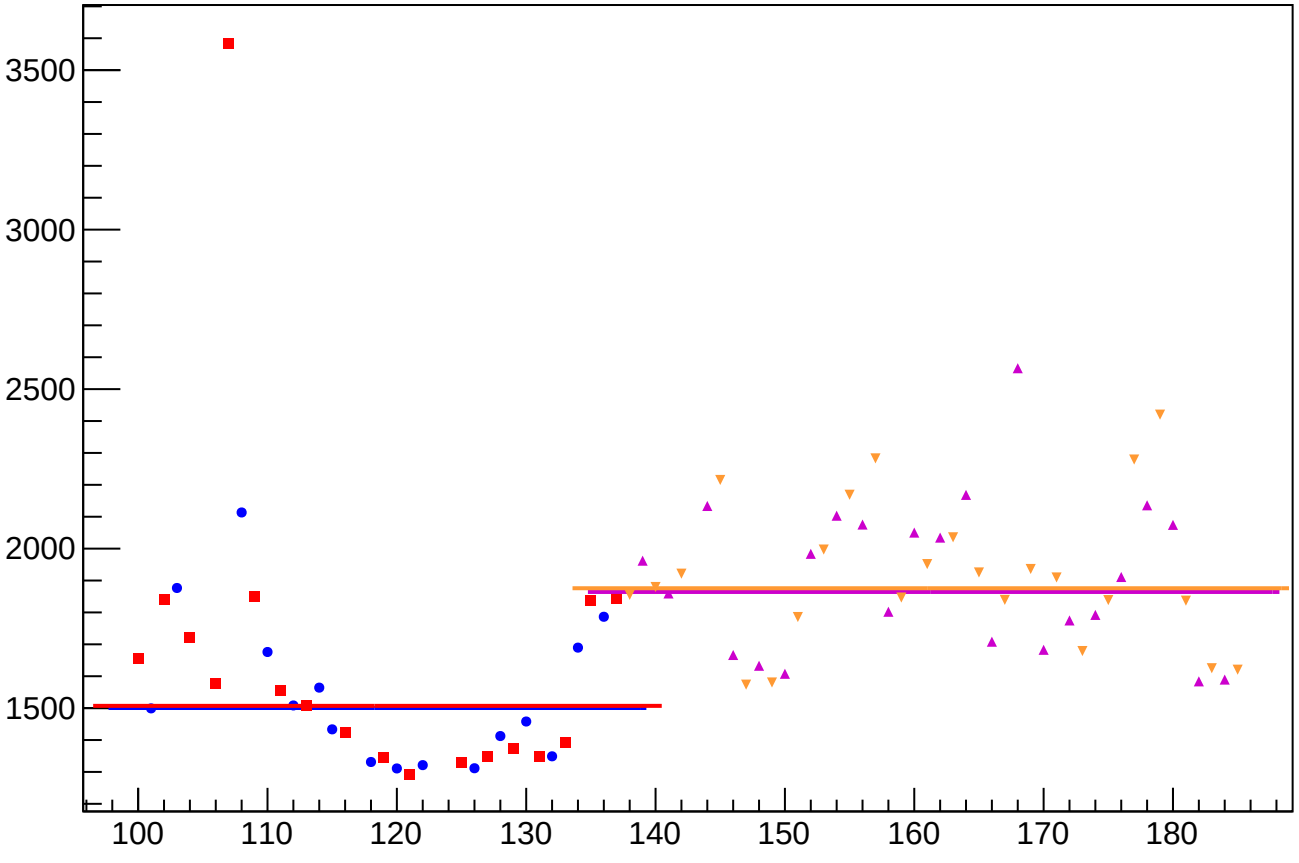
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2359.508+/-346.308 χ^2/NDF: 44.3/39

All: 331.005+/-244.907 χ^2/NDF: 145.8/80

- 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: 1875.818+/-0.311 χ^2/NDF:472556.0/23

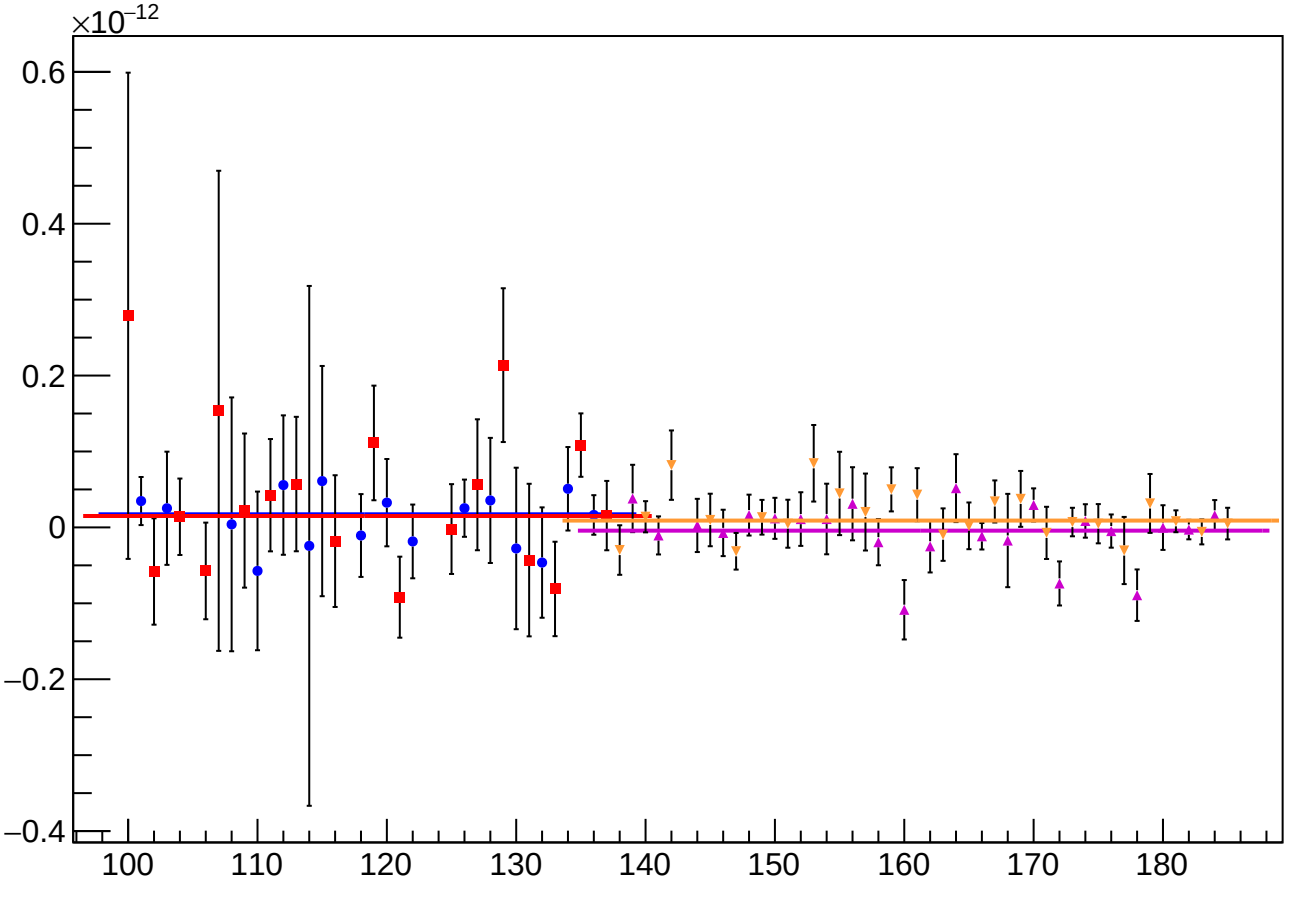
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

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

+ sign 1733.663+/-0.245 χ^2/NDF: 1284390.8/39

All: 1731.463+/-0.173 χ^2/NDF: 2695927.6/80

- 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:16.6/23

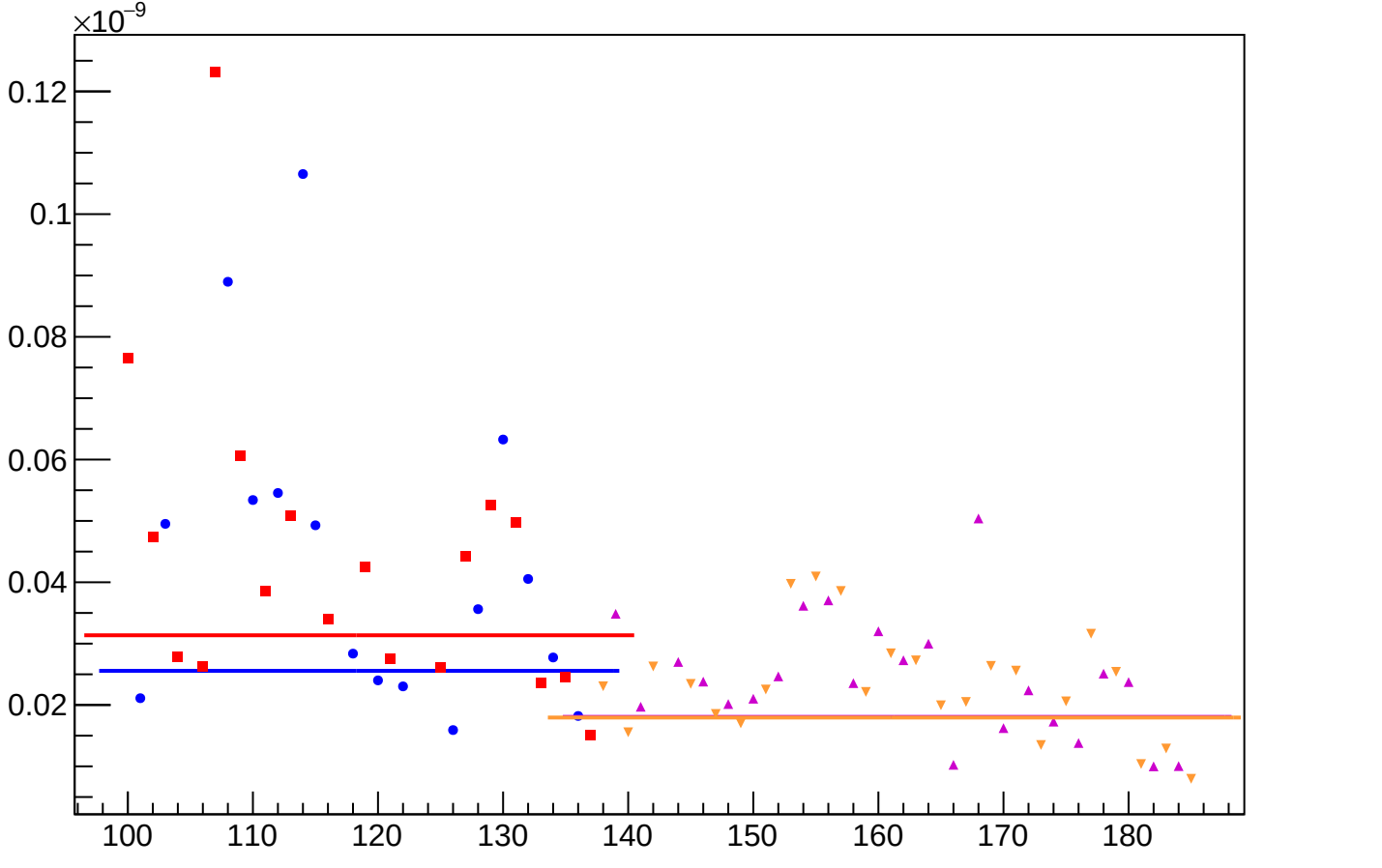
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 20.3/39

All: 0.000+/-0.000 χ^2/NDF: 73.9/80

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

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

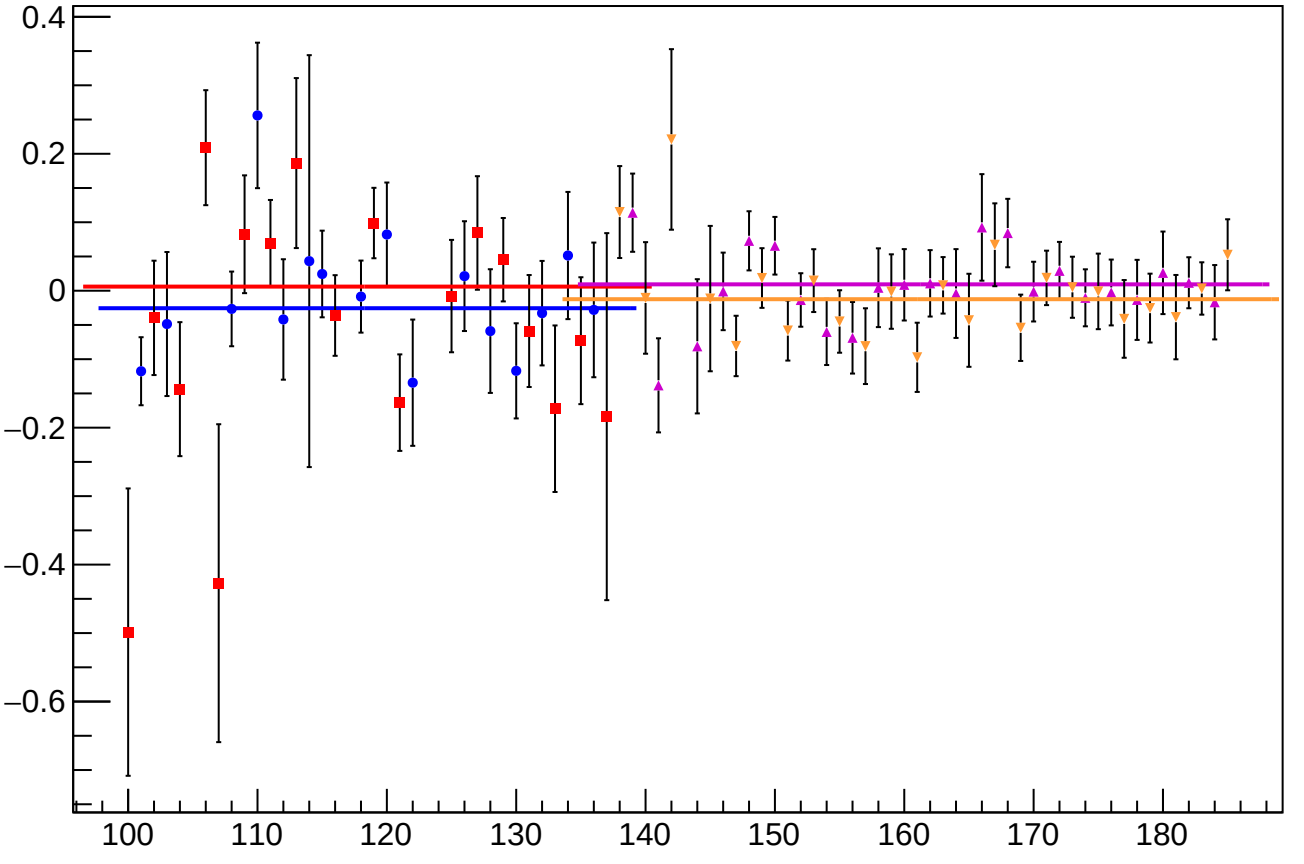
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5743040.4/39

All: 0.000+/-0.000 χ^2/NDF: 12381241.6/80

- 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: -0.012+/-0.010 χ^2/NDF:21.9/23

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

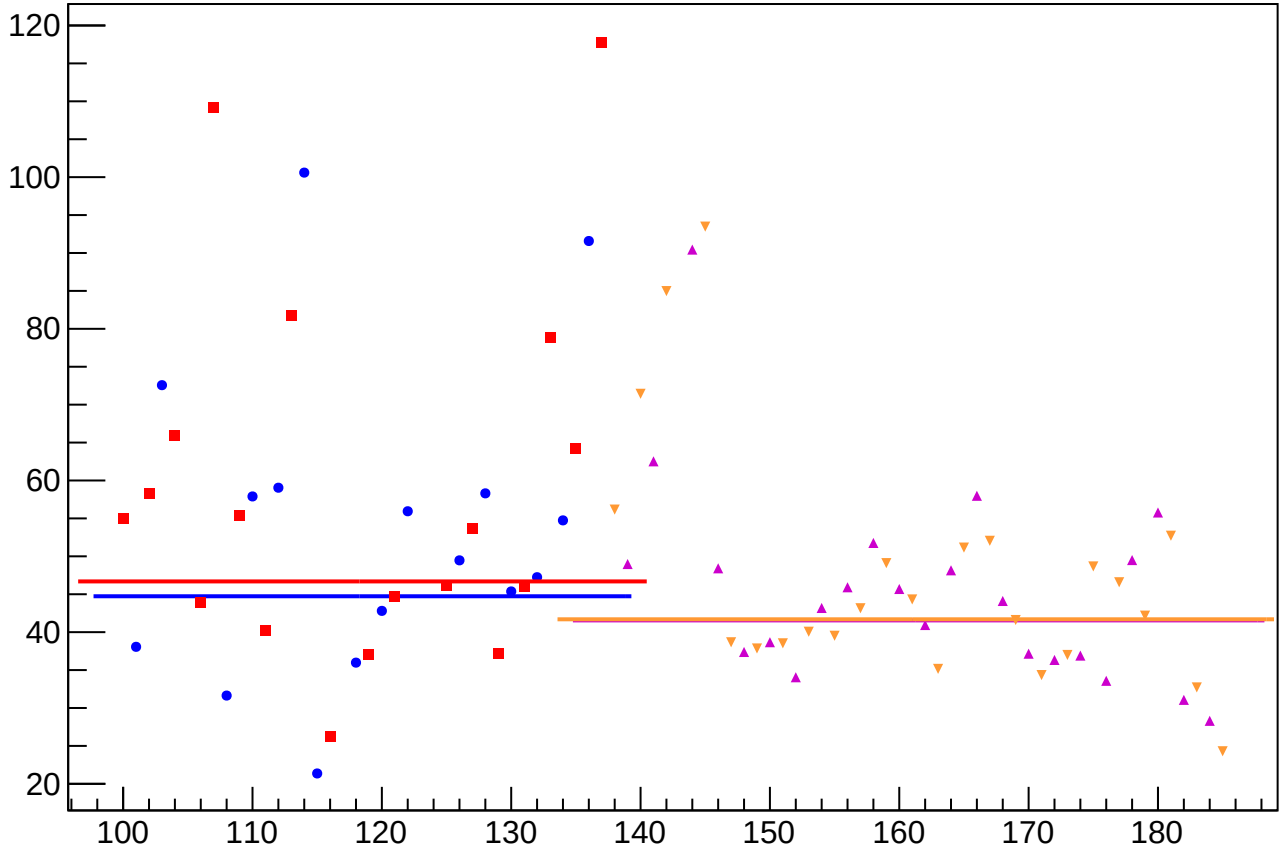
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.016+/-0.009 χ^2/NDF: 39.9/39

All: -0.004+/-0.006 χ^2/NDF: 101.8/80

- 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: 41.694+/-0.007 χ^2/NDF:1821790.0/23

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

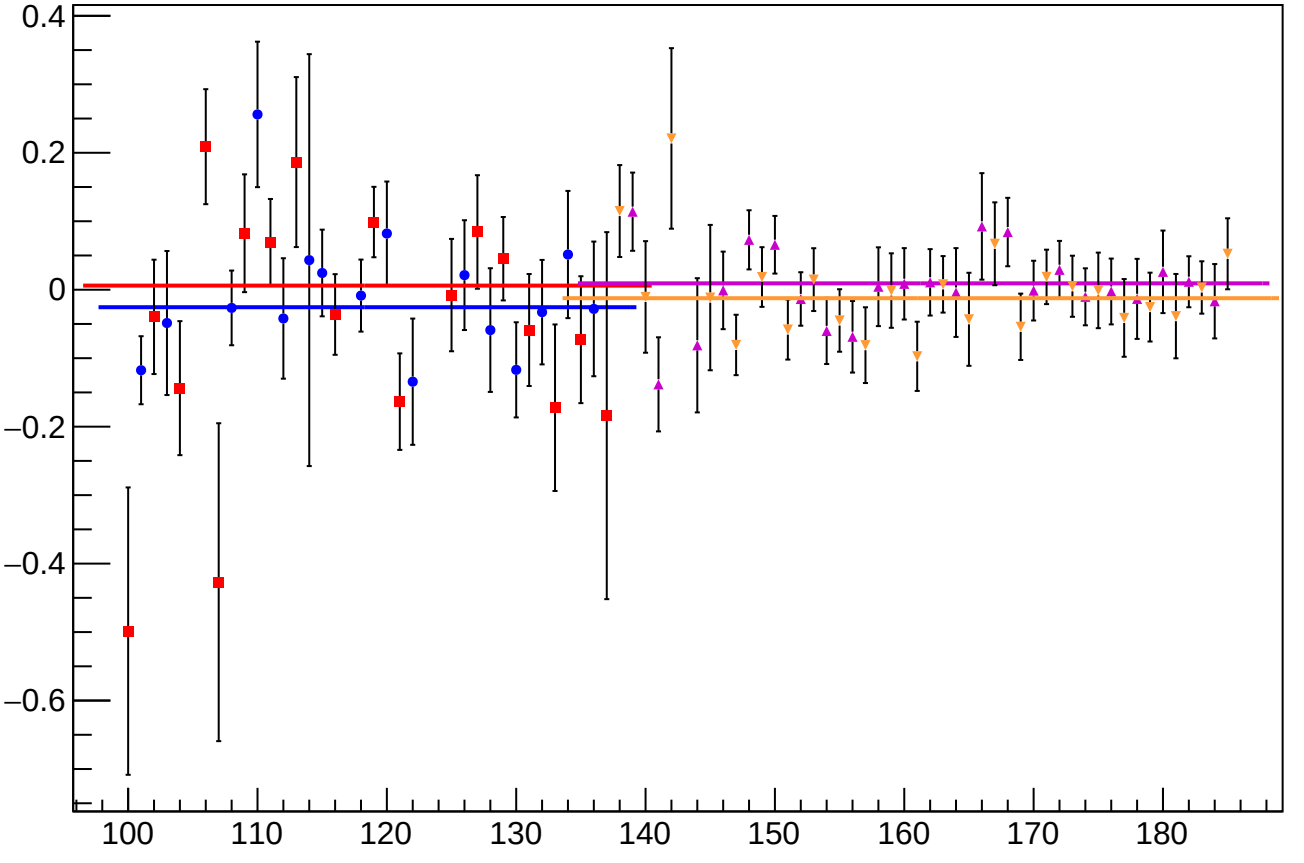
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.418+/-0.006 χ^2/NDF: 3196275.7/39

All: 42.564+/-0.005 χ^2/NDF: 6114504.2/80

- 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: -0.012+/-0.010 χ^2/NDF:21.9/23

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

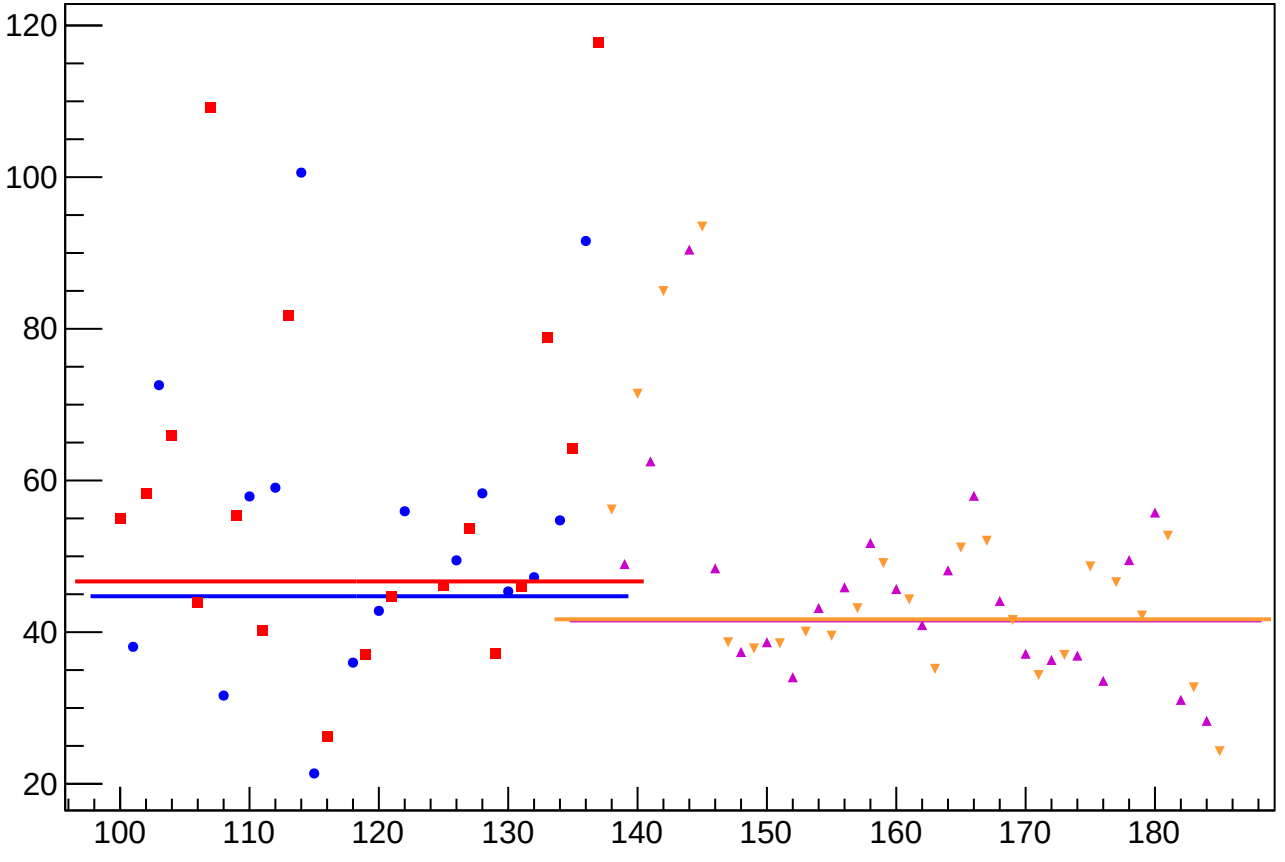
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.016+/-0.009 χ^2/NDF: 39.9/39

All: -0.004+/-0.006 χ^2/NDF: 101.8/80

\- 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: 41.694+/-0.007 χ^2/NDF:1821790.0/23

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

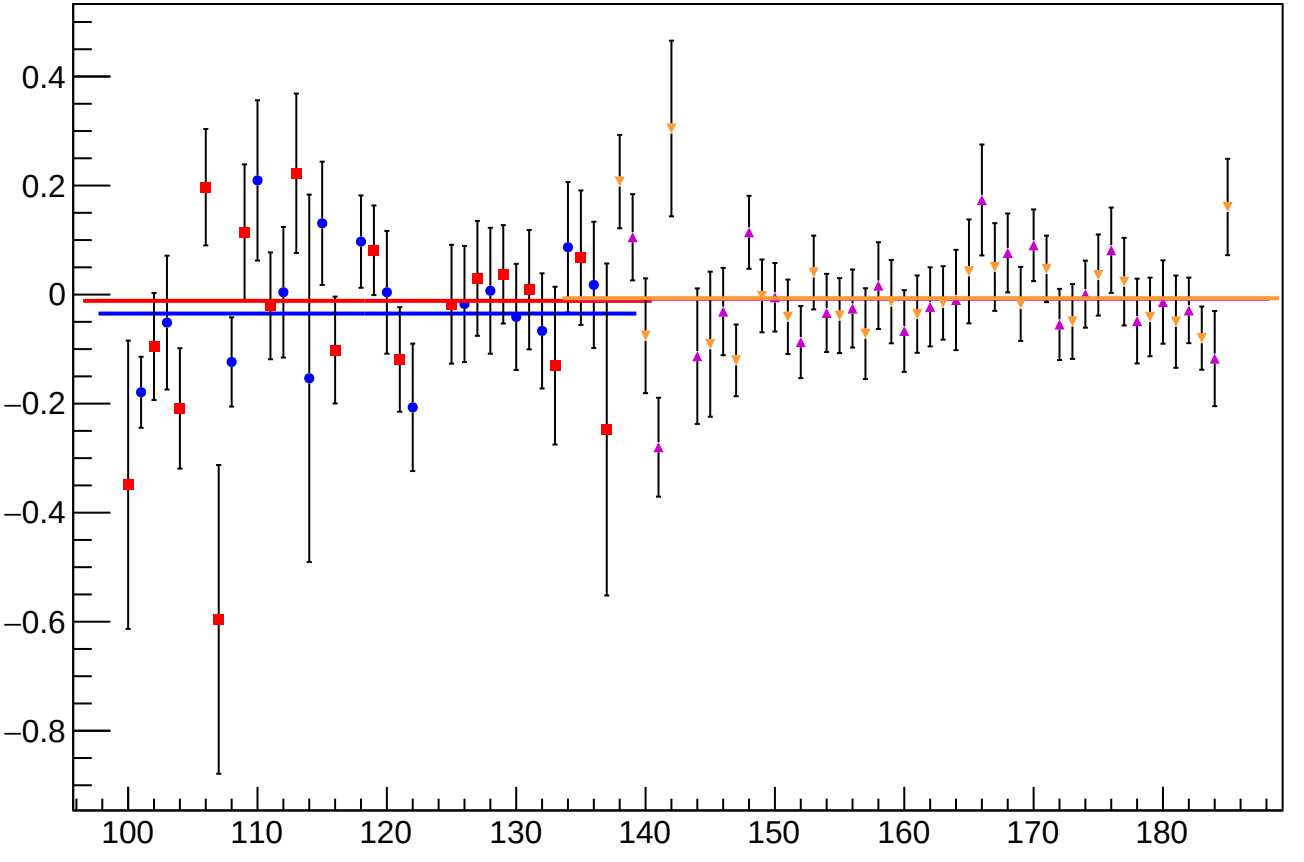
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.418+/-0.006 χ^2/NDF: 3196275.7/39

All: 42.564+/-0.005 χ^2/NDF: 6114504.2/80

- 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: -0.007+/-0.015 χ^2/NDF:23.7/23

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

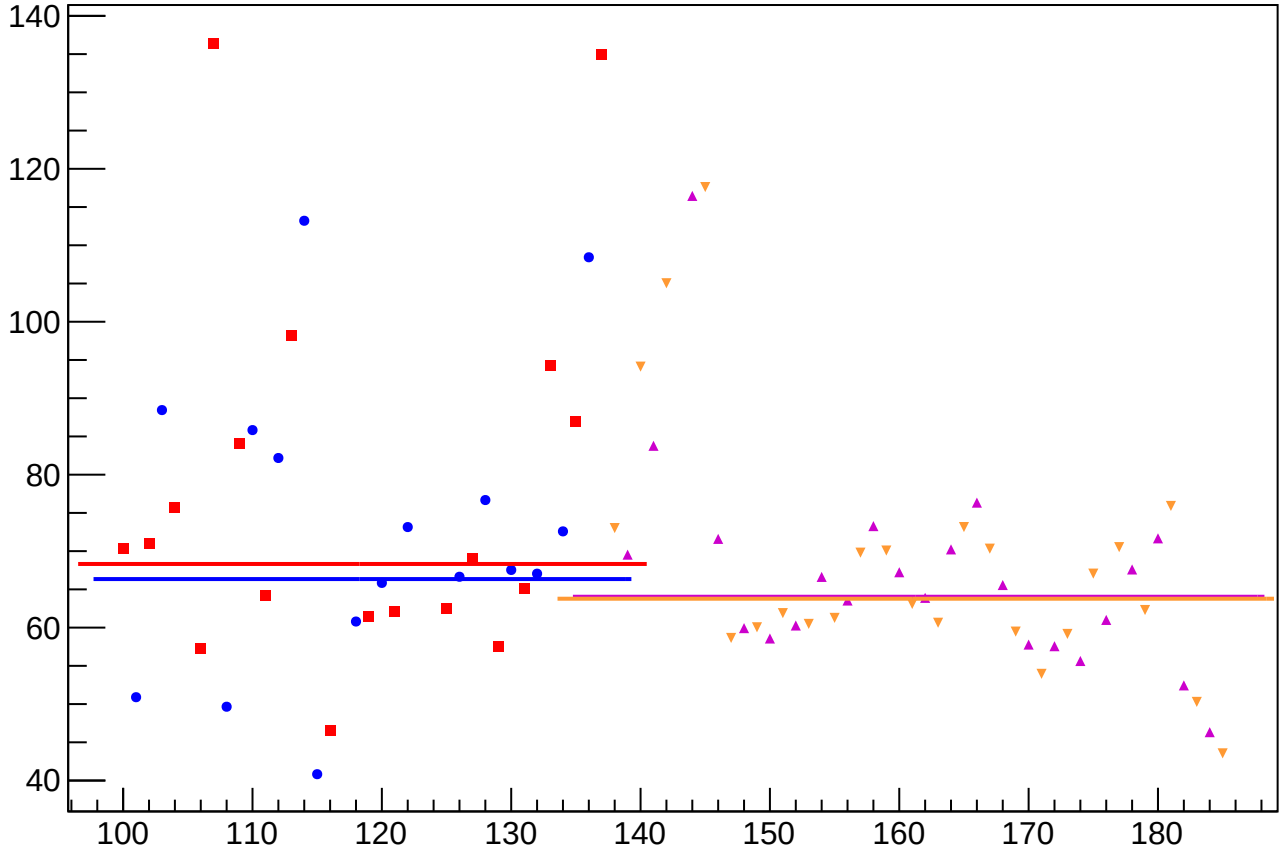
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/39

All: -0.011+/-0.009 χ^2/NDF: 93.0/80

- 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: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

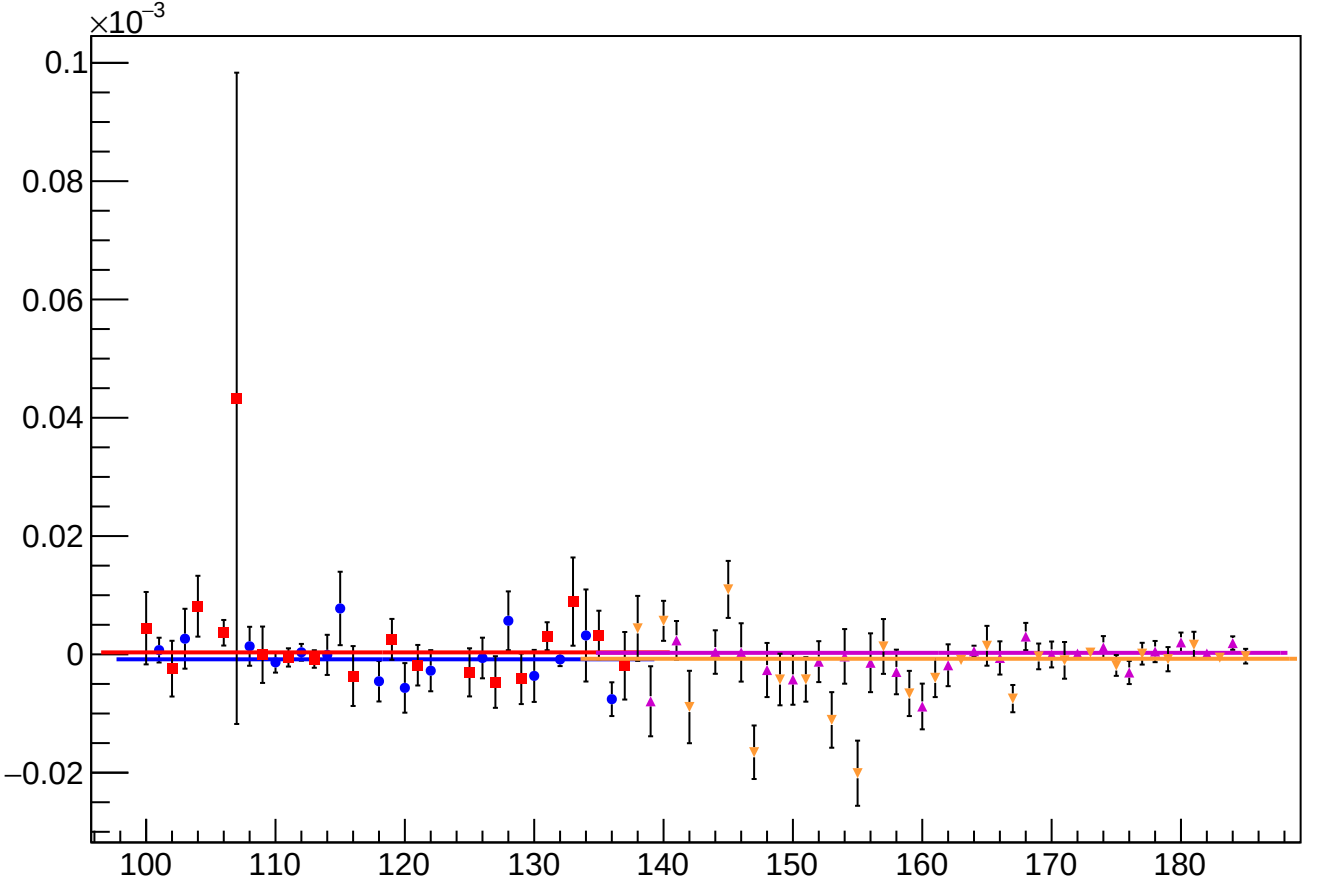
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

\+ sign 64.436+/-0.009 χ^2/NDF: 1865712.4/39

All: 64.766+/-0.007 χ^2/NDF: 3374791.4/80

\- 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:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/17

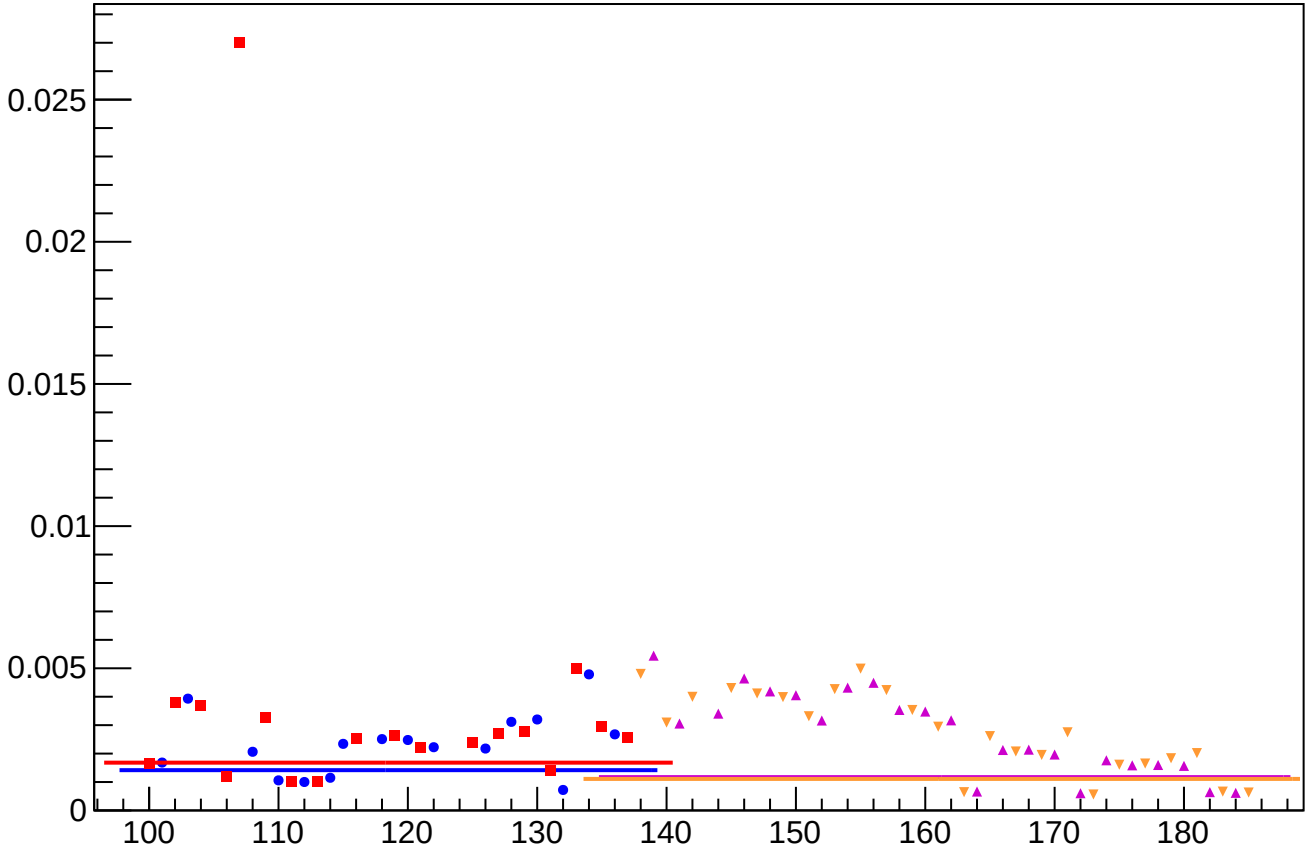
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.0/39

All: -0.000+/-0.000 χ^2/NDF: 114.3/80

- 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:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

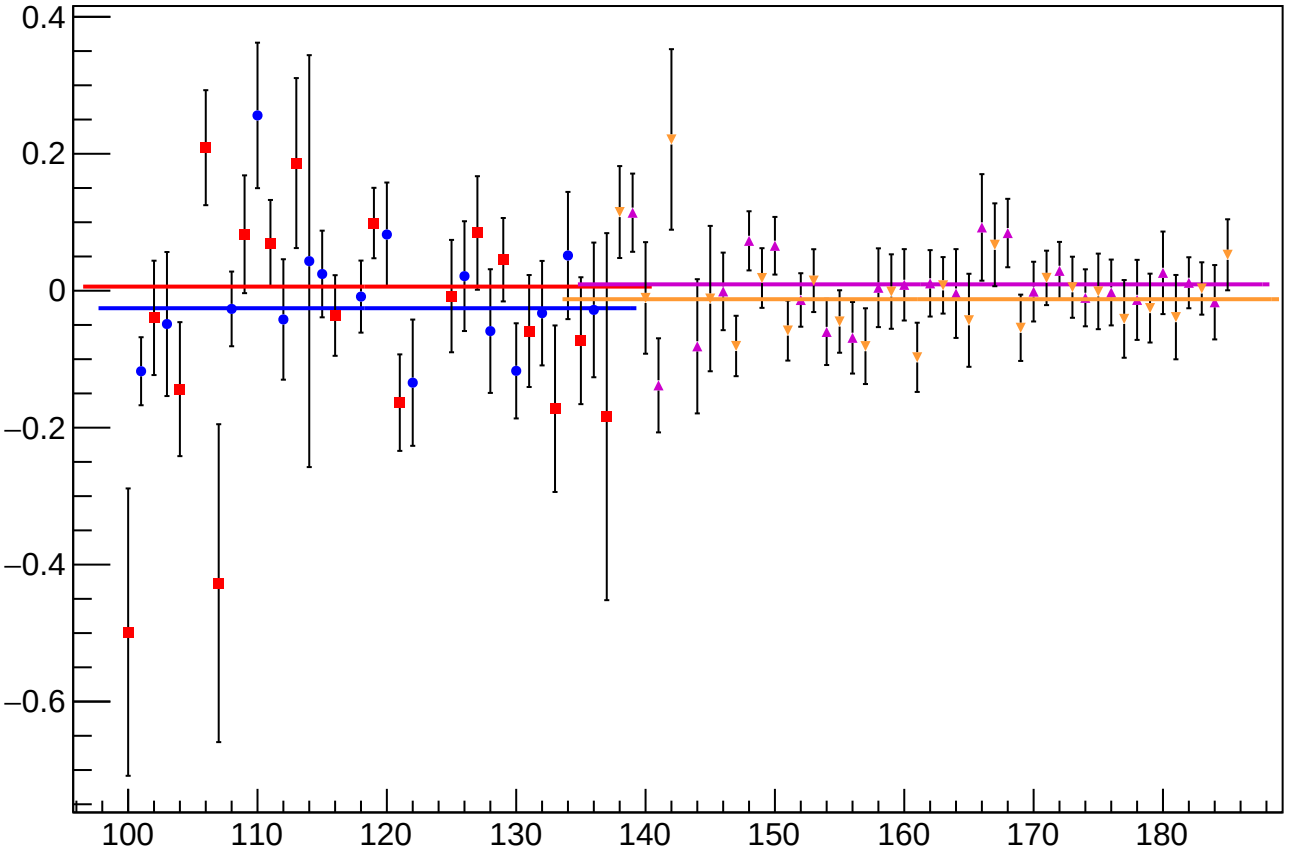
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 19088433.0/39

All: 0.001+/-0.000 χ^2/NDF: 37645817.8/80

- 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: -0.012+/-0.010 χ^2/NDF:21.9/23

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

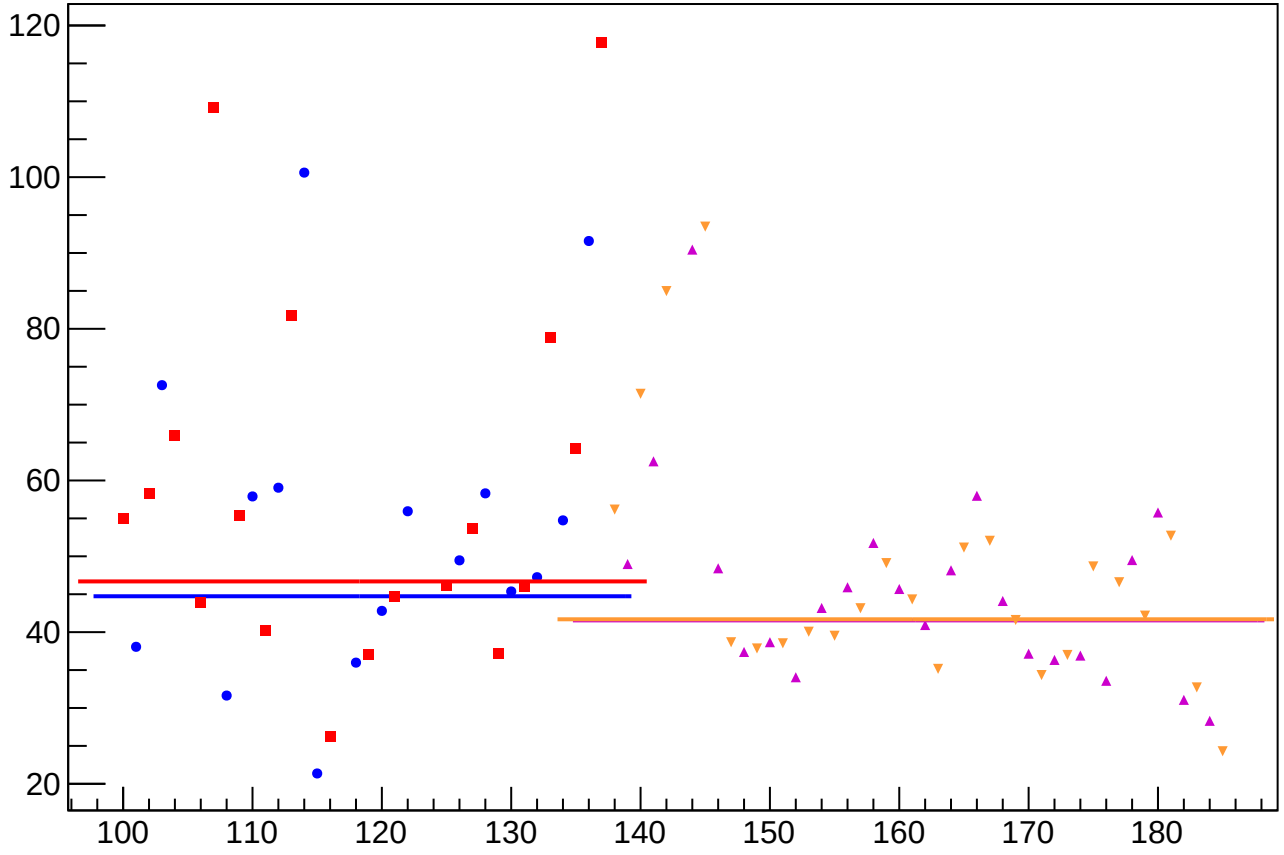
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.016+/-0.009 χ^2/NDF: 39.9/39

All: -0.004+/-0.006 χ^2/NDF: 101.8/80

- 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: 41.695+/-0.007 χ^2/NDF:1821753.6/23

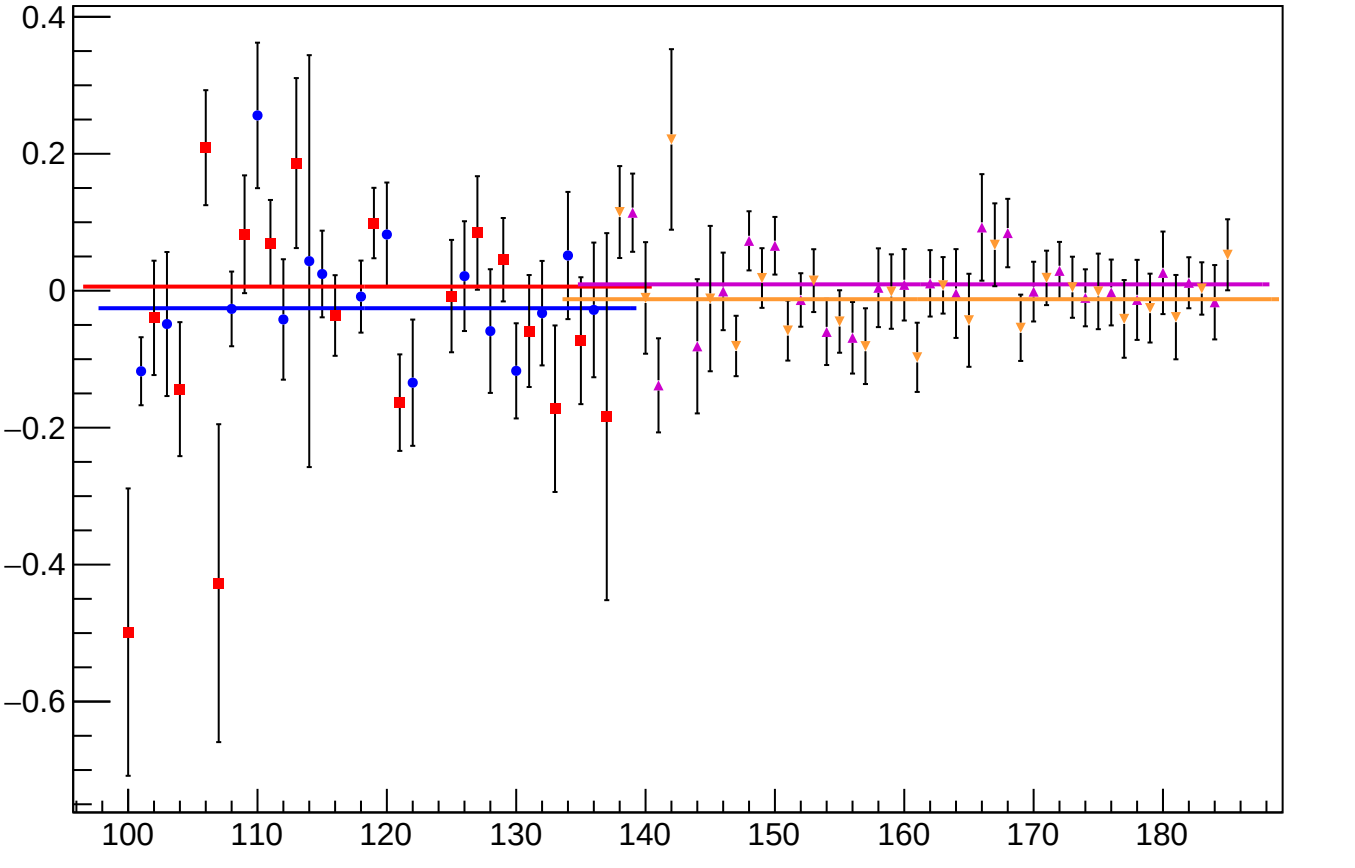
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

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

+ sign 42.418+/-0.006 χ^2/NDF: 3196274.3/39

All: 42.564+/-0.005 χ^2/NDF: 6114455.4/80

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



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

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

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

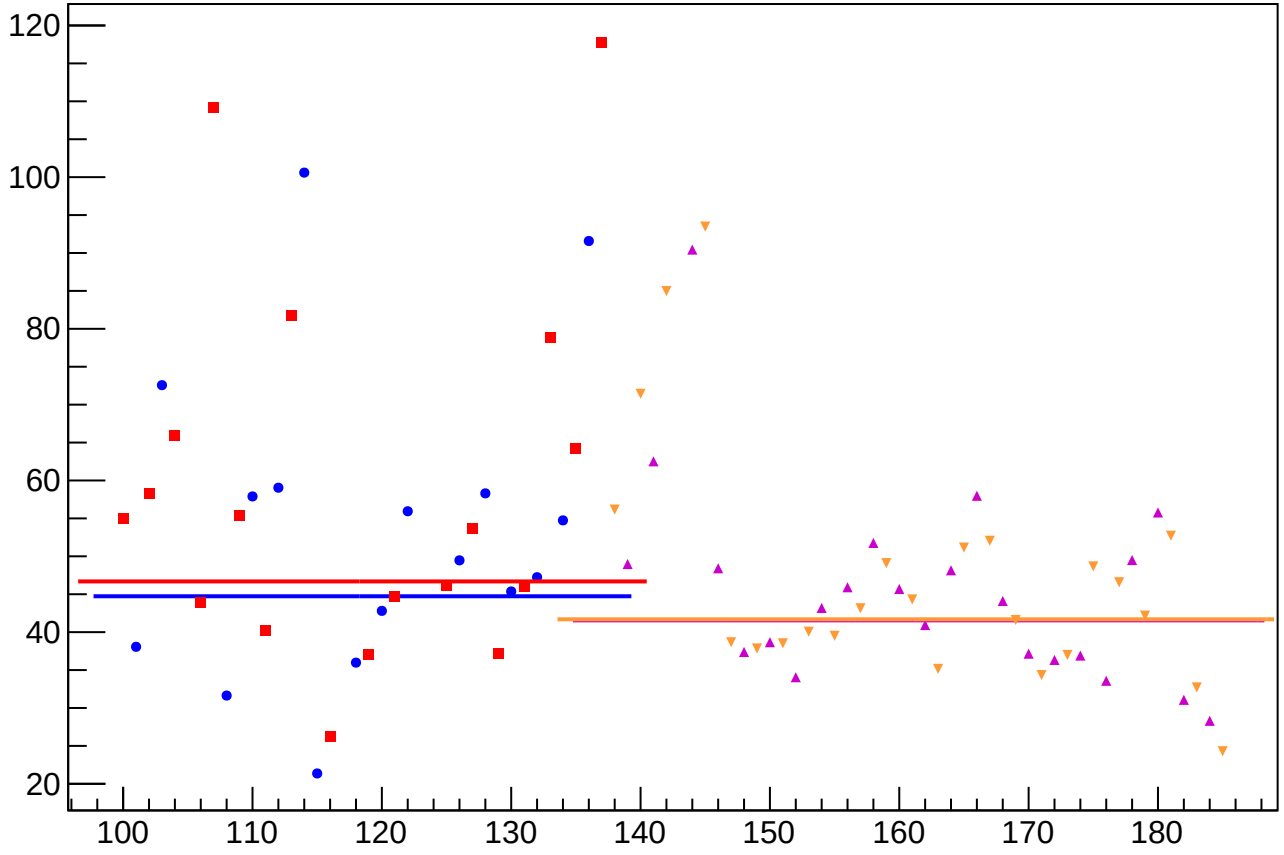
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.016+/-0.009 χ^2/NDF: 39.9/39

All: -0.004+/-0.006 χ^2/NDF: 101.8/80

- sign 0.009+/-0.009 χ^2/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: 41.695+/-0.007 χ^2/NDF:1821753.6/23

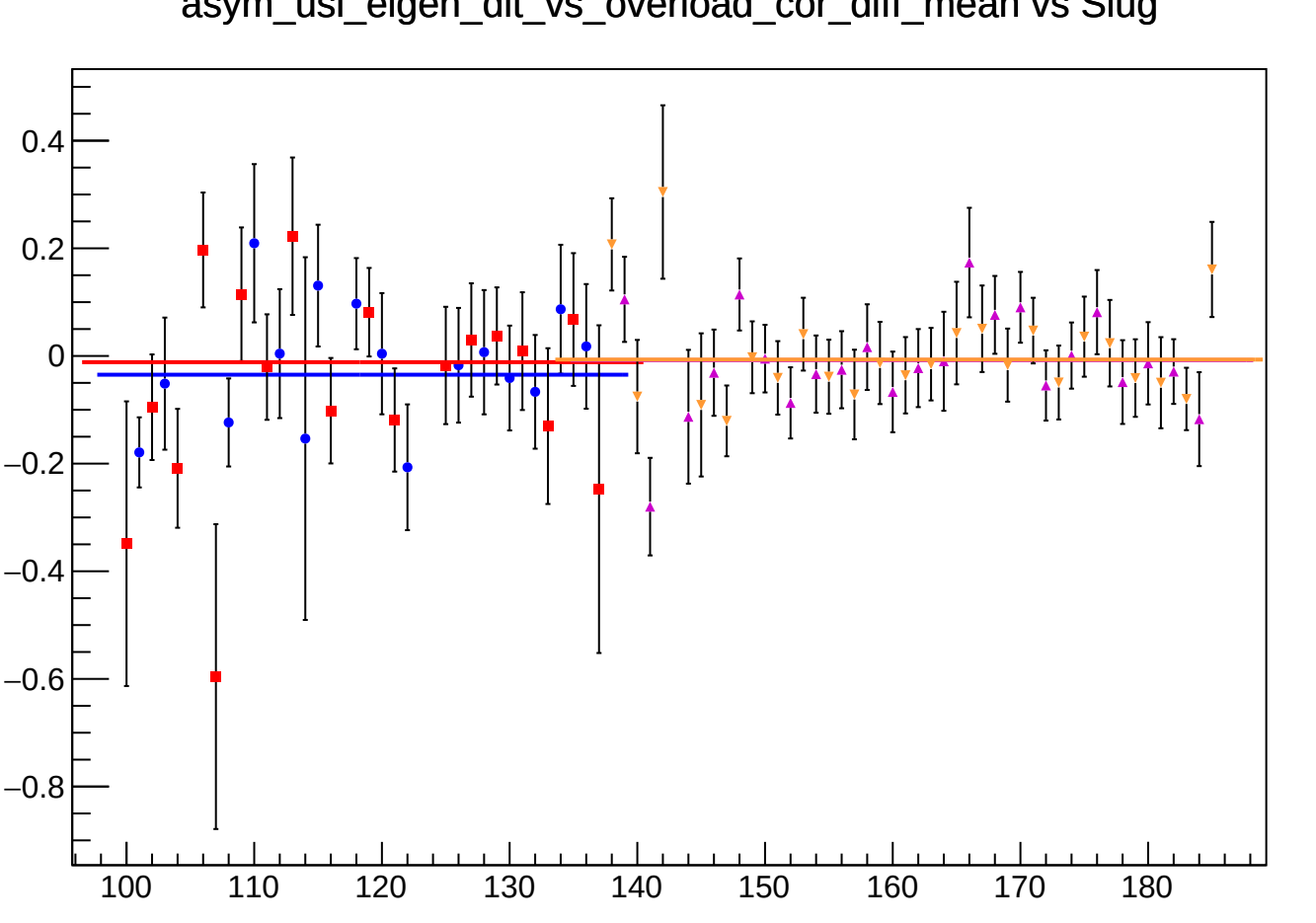
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

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

+ sign 42.418+/-0.006 χ^2/NDF: 3196274.3/39

All: 42.564+/-0.005 χ^2/NDF: 6114455.4/80

- 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: -0.007+/-0.015 χ^2/NDF:23.7/23

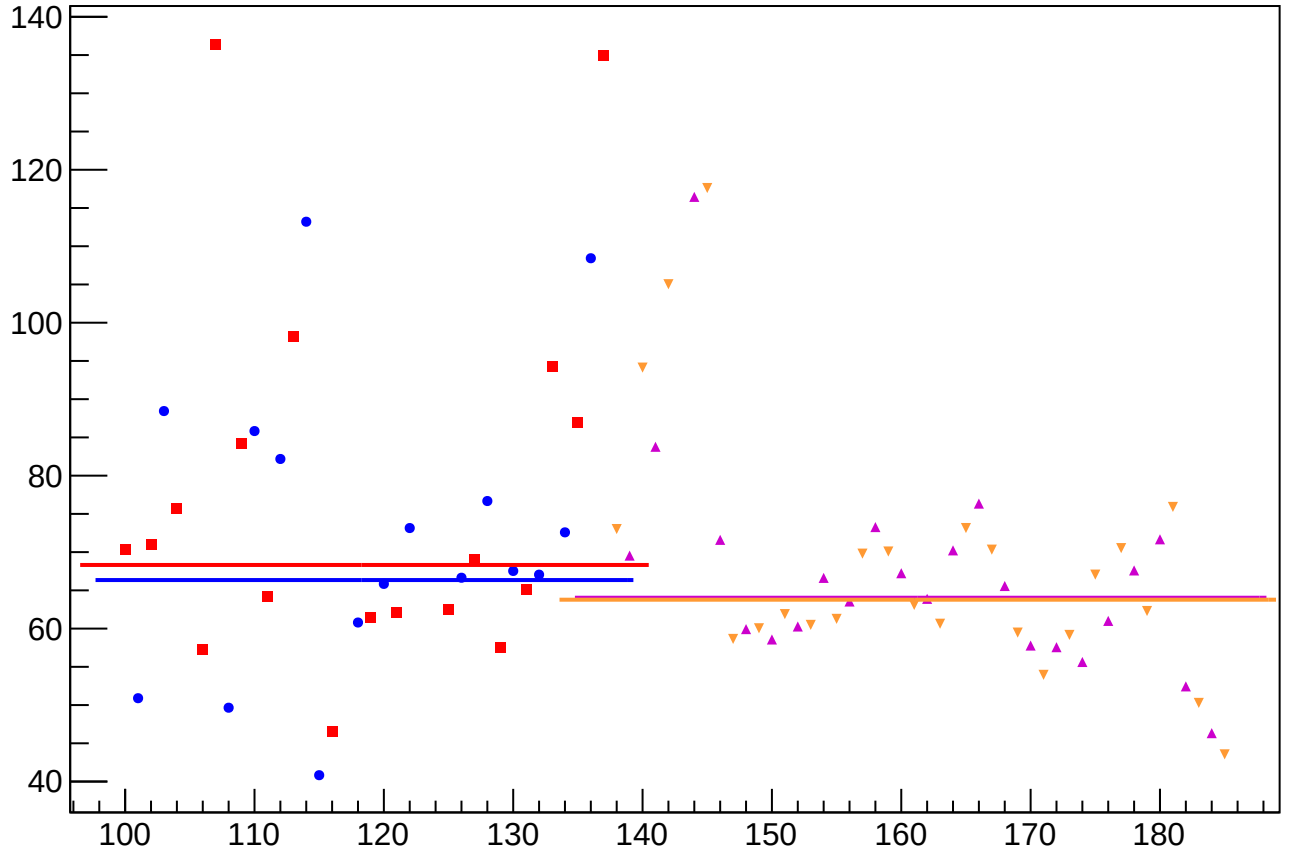
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

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

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/39

All: -0.011+/-0.009 χ^2/NDF: 93.0/80

- 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: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

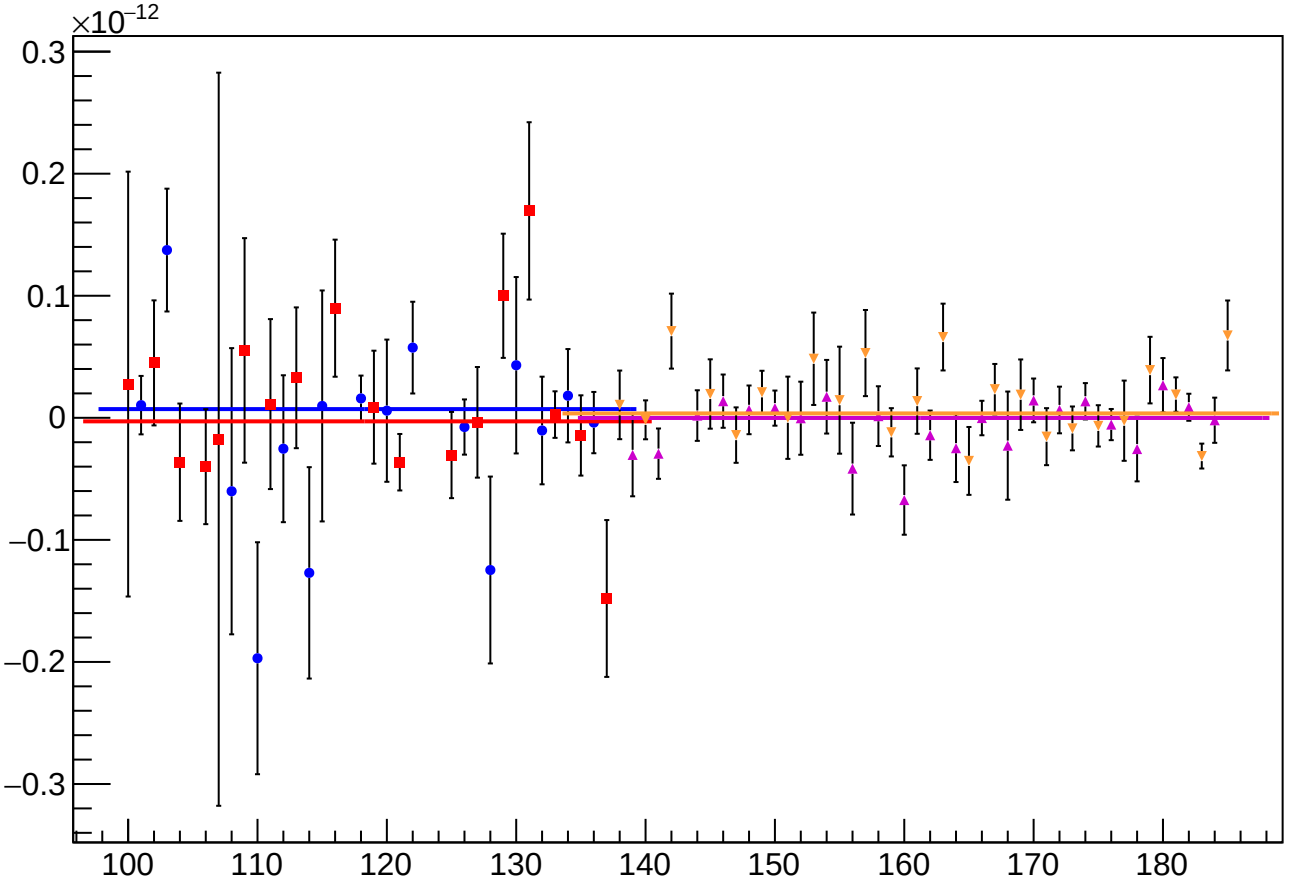
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

\+ sign 64.436+/-0.009 χ^2/NDF: 1865700.8/39

All: 64.766+/-0.007 χ^2/NDF: 3374756.3/80

\- 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:40.6/23

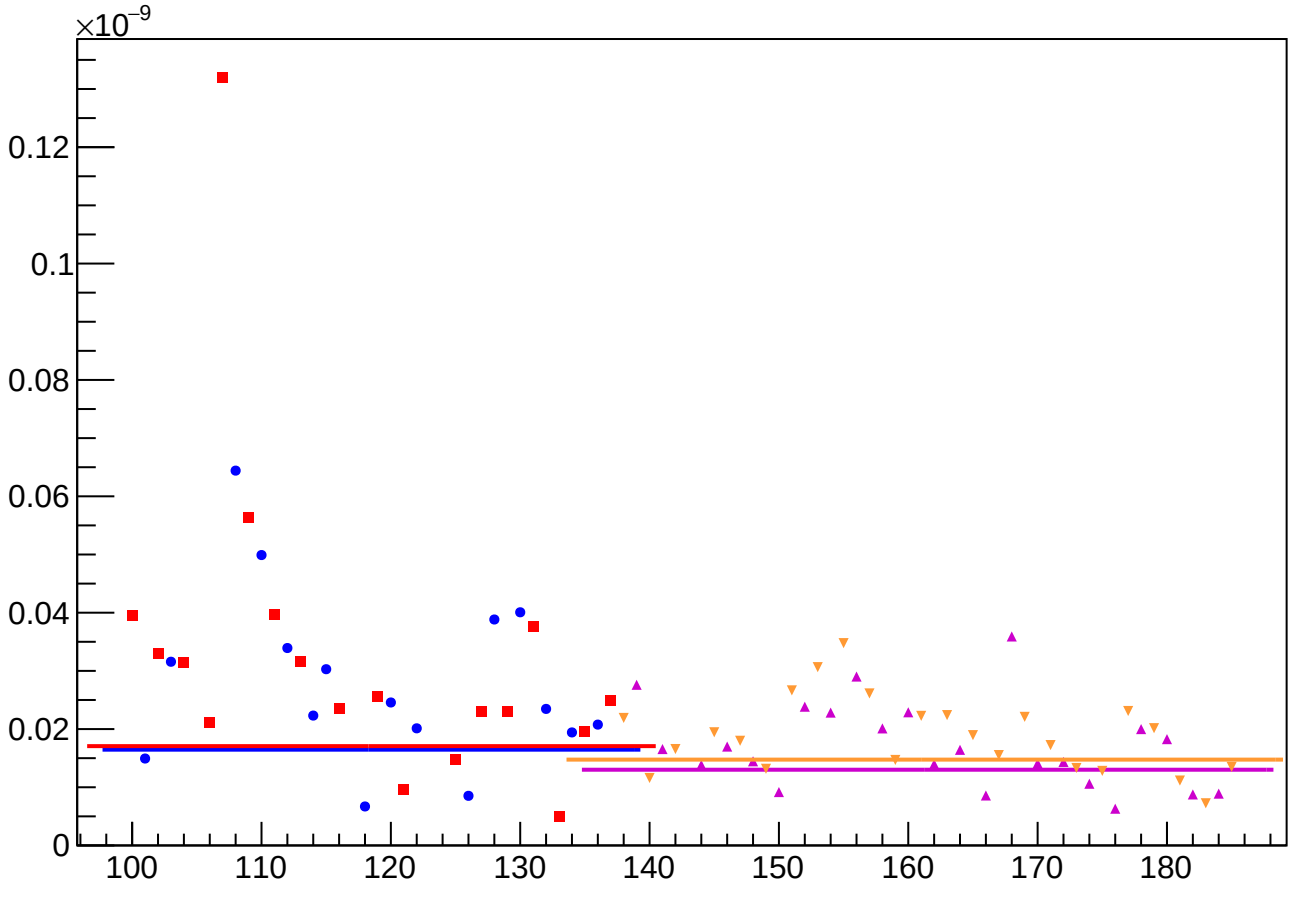
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 61.1/39

All: 0.000+/-0.000 χ^2/NDF: 102.5/80

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



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

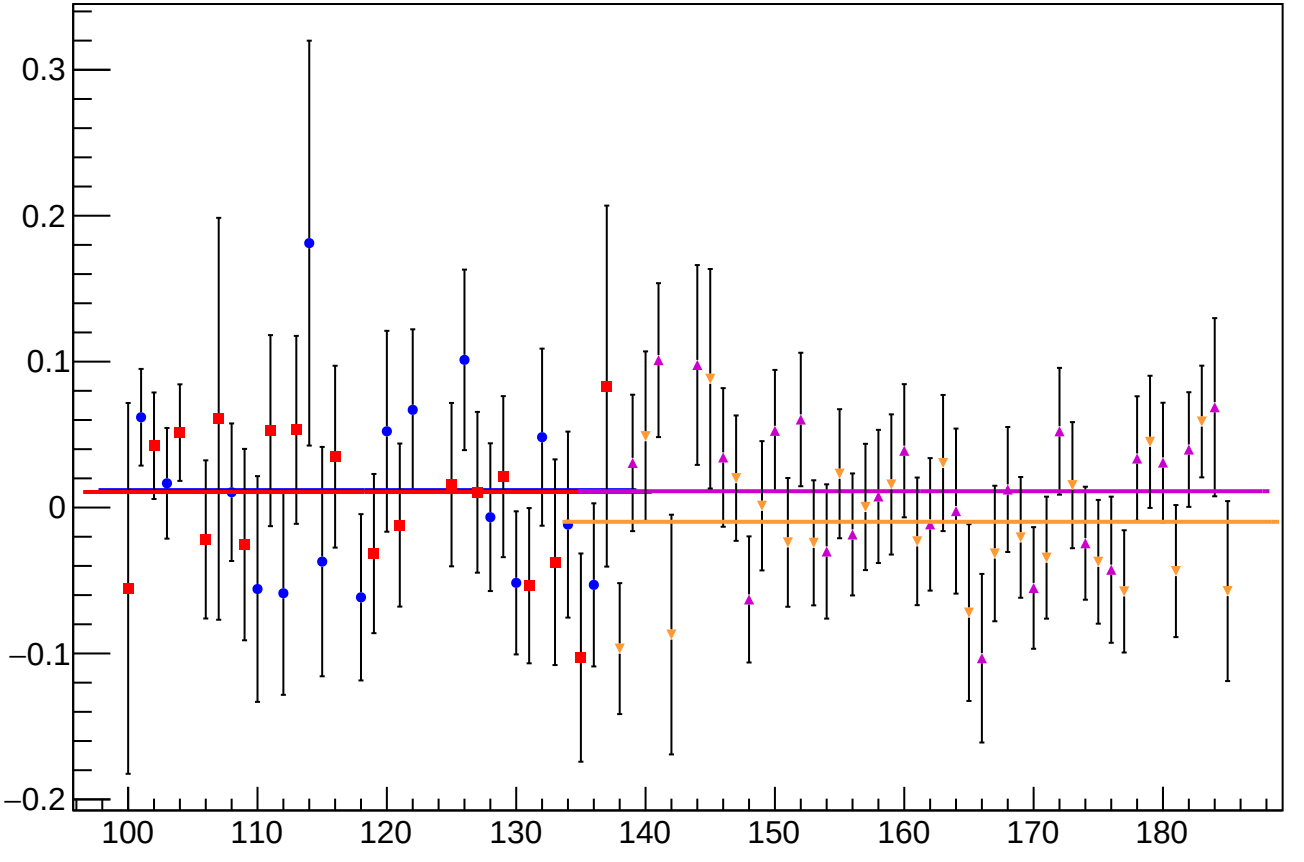
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5933638.1/39

All: 0.000+/-0.000 χ^2/NDF: 13087154.0/80

- 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: -0.010+/-0.009 χ^2/NDF:19.4/23

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

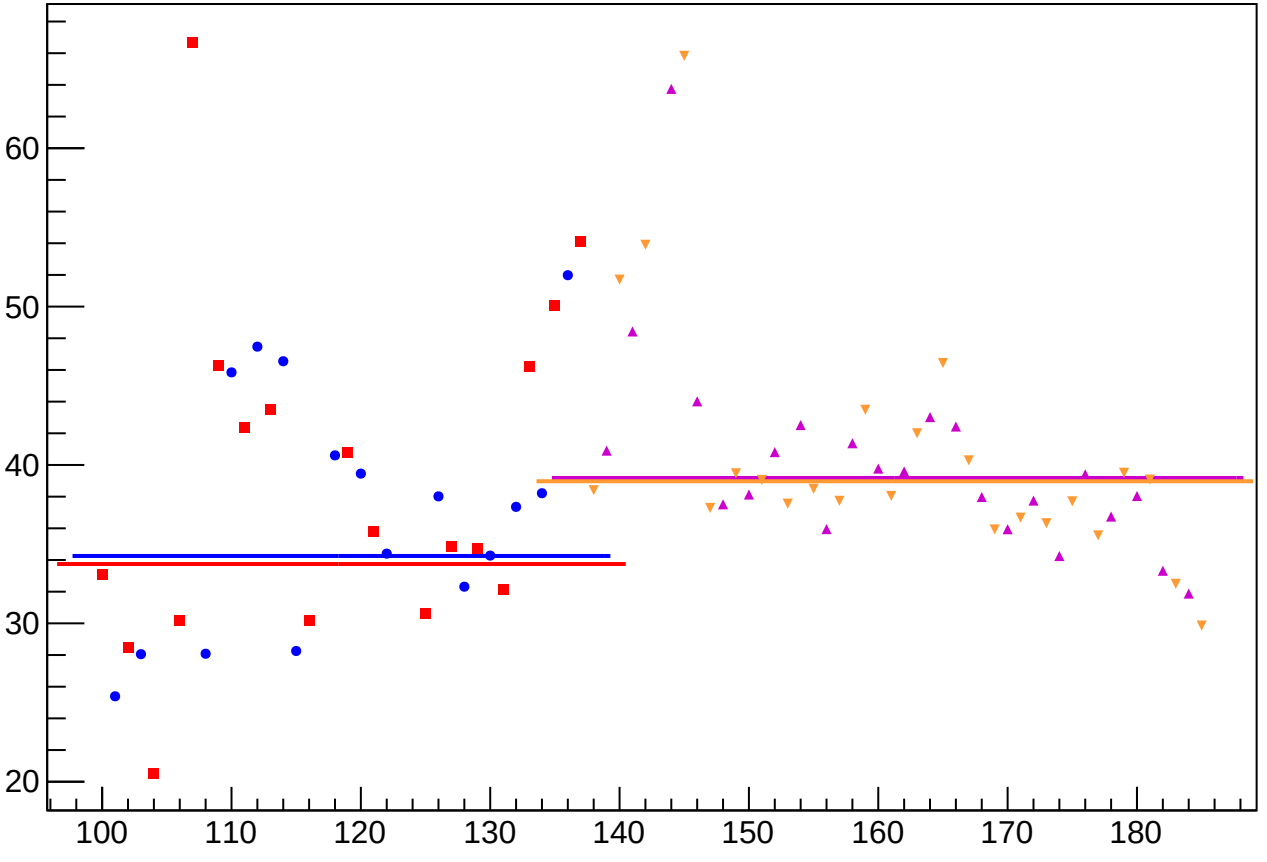
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 35.8/39

All: 0.004+/-0.006 χ^2/NDF: 70.6/80

- 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: 38.972+/-0.007 χ^2/NDF:624525.1/23

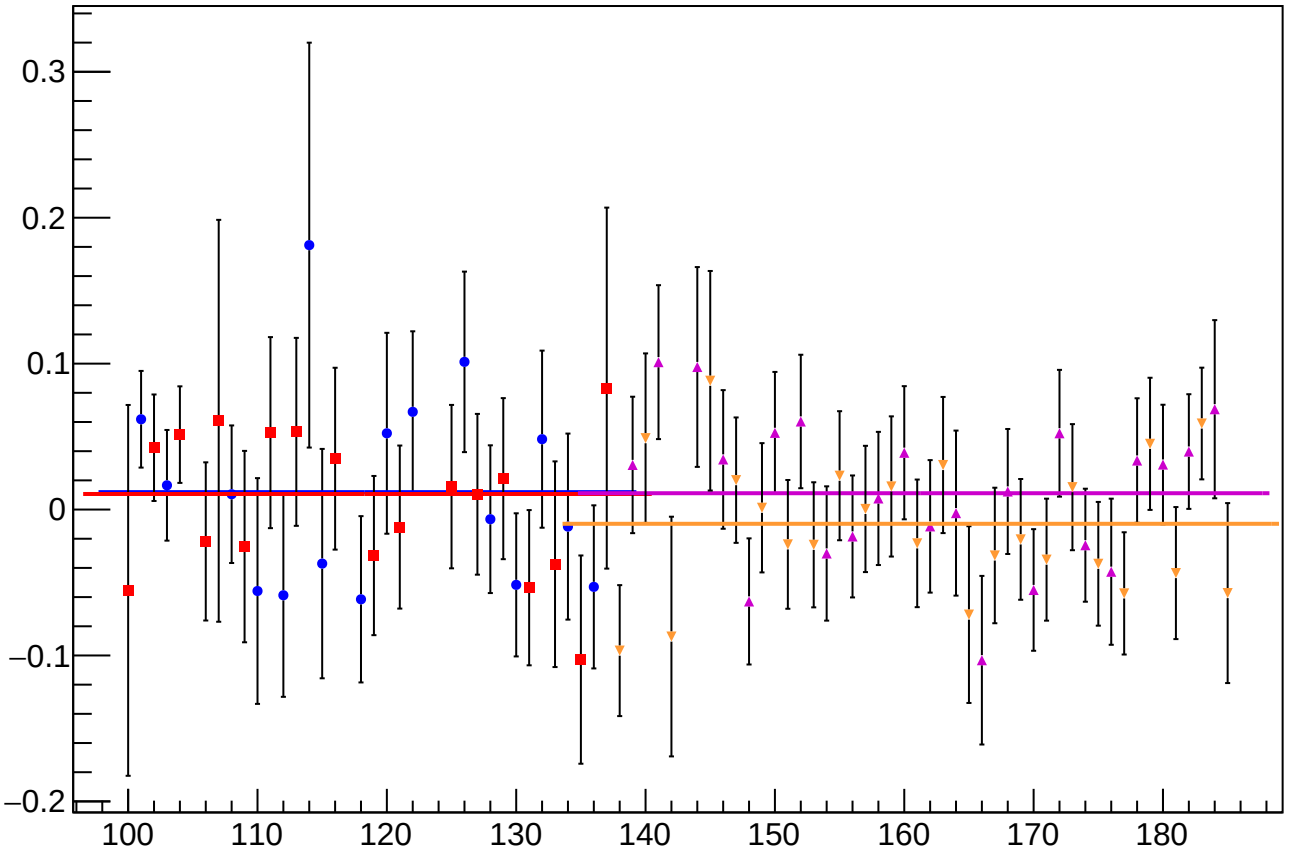
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

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

\+ sign 37.435+/-0.005 χ^2/NDF: 1422491.7/39

All: 37.395+/-0.004 χ^2/NDF: 3073315.8/80

\- 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: -0.010+/-0.009 χ^2/NDF:19.4/23

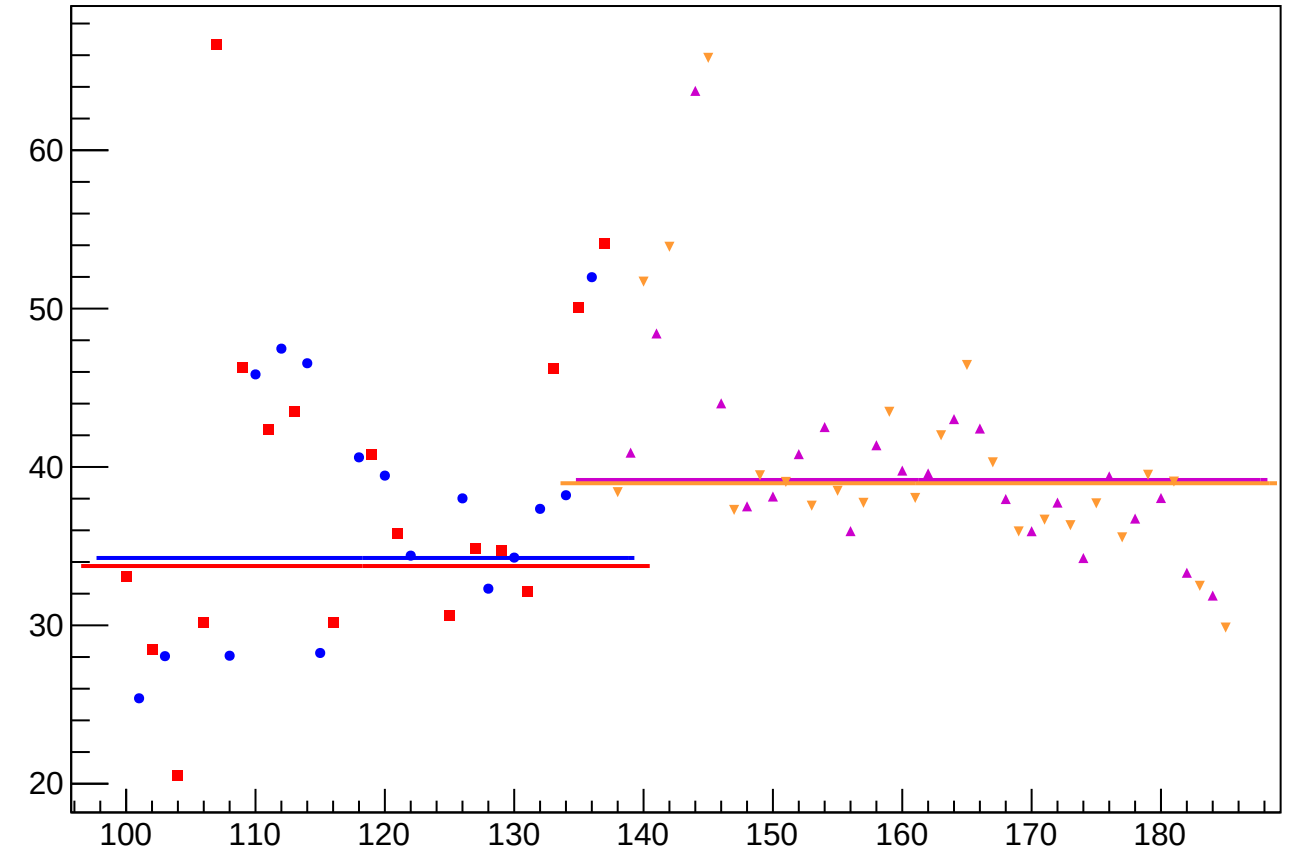
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

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

+ sign -0.003+/-0.008 χ^2/NDF: 35.8/39

All: 0.004+/-0.006 χ^2/NDF: 70.6/80

- 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: 38.972+/-0.007 χ^2/NDF:624525.1/23

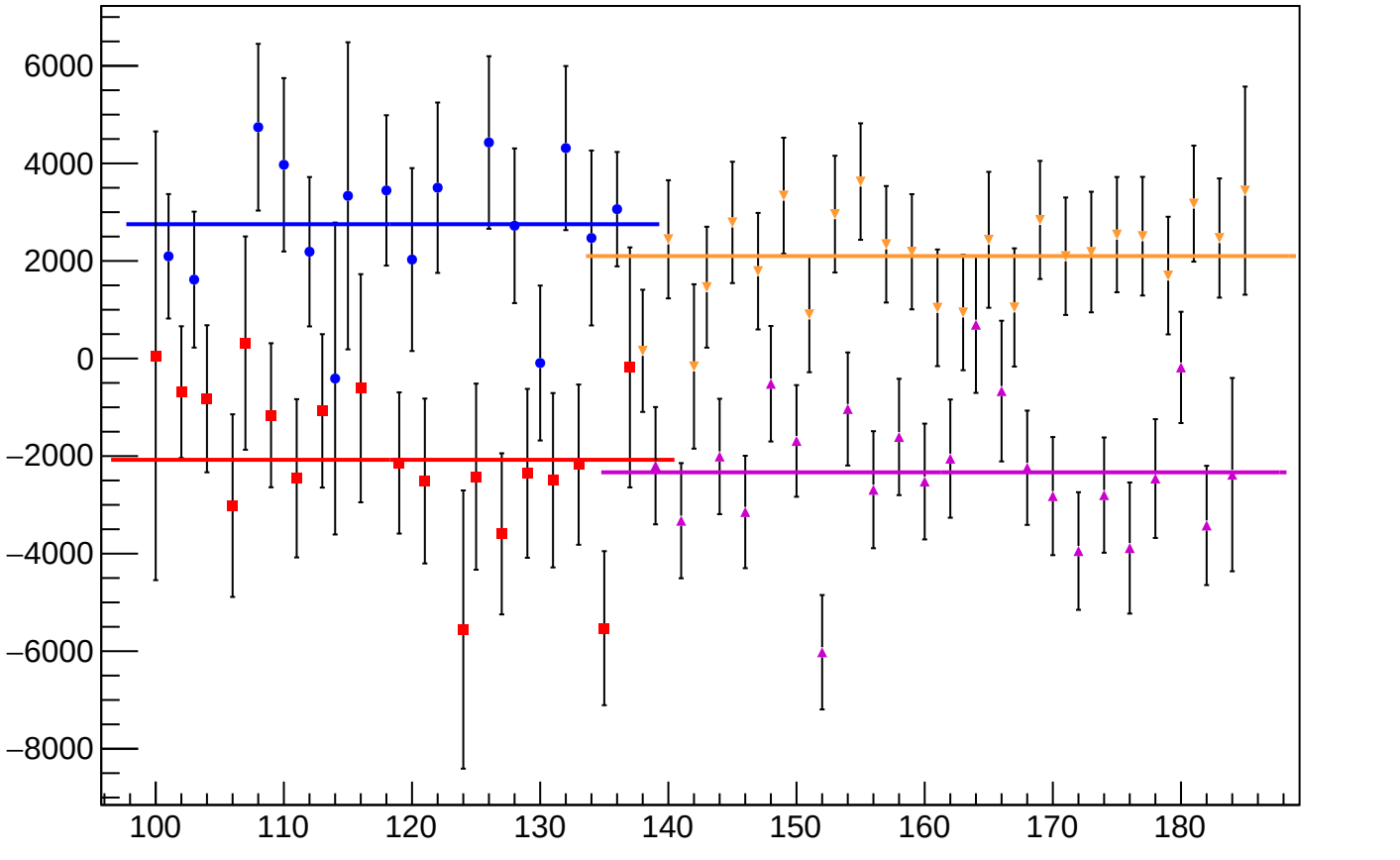
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

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

\+ sign 37.435+/-0.005 χ^2/NDF: 1422491.7/39

All: 37.395+/-0.004 χ^2/NDF: 3073315.8/80

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



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

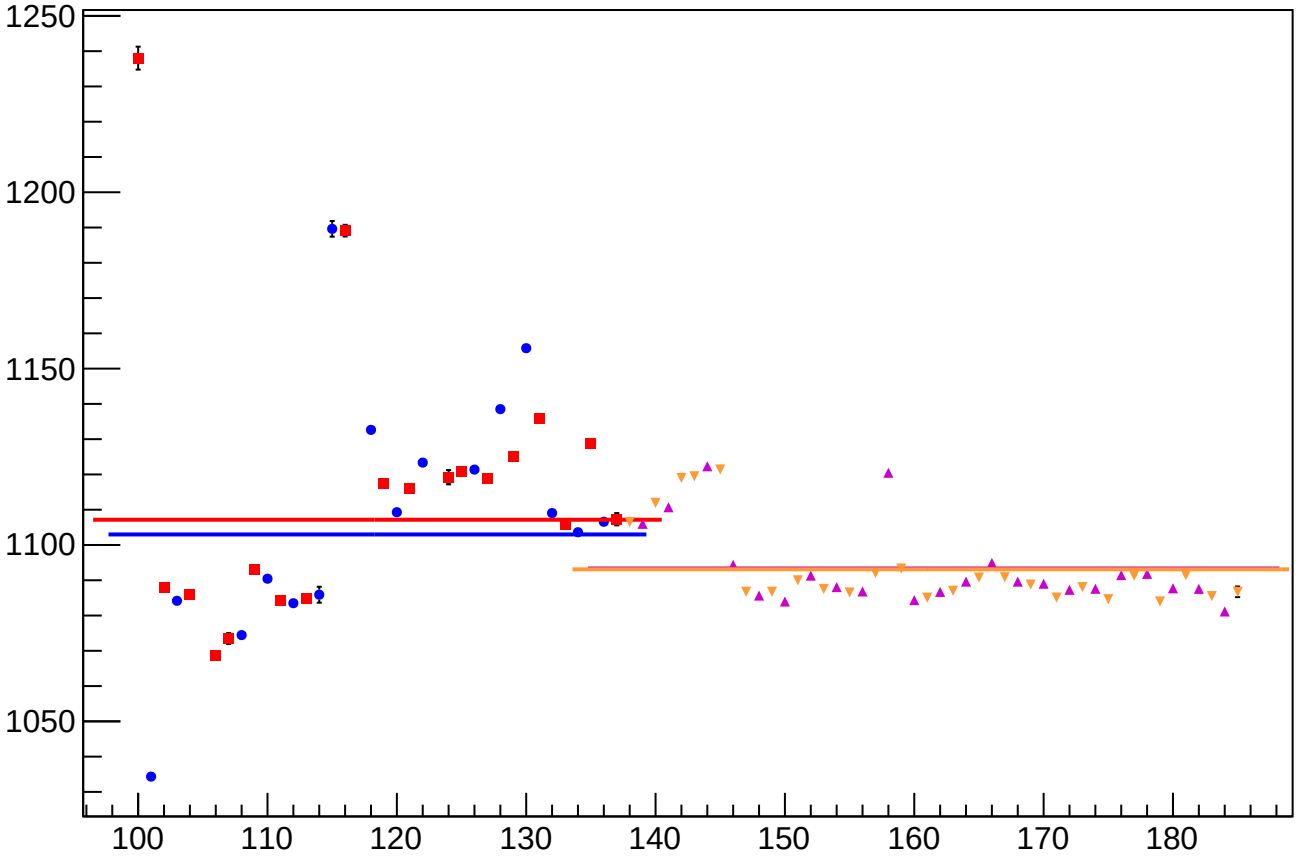
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.661+/-212.369 χ^2/NDF: 25.2/40

All: 44.083+/-151.359 χ^2/NDF: 291.9/82

- 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: 1093.102+/-0.176 χ^2/NDF:3983.2/24

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

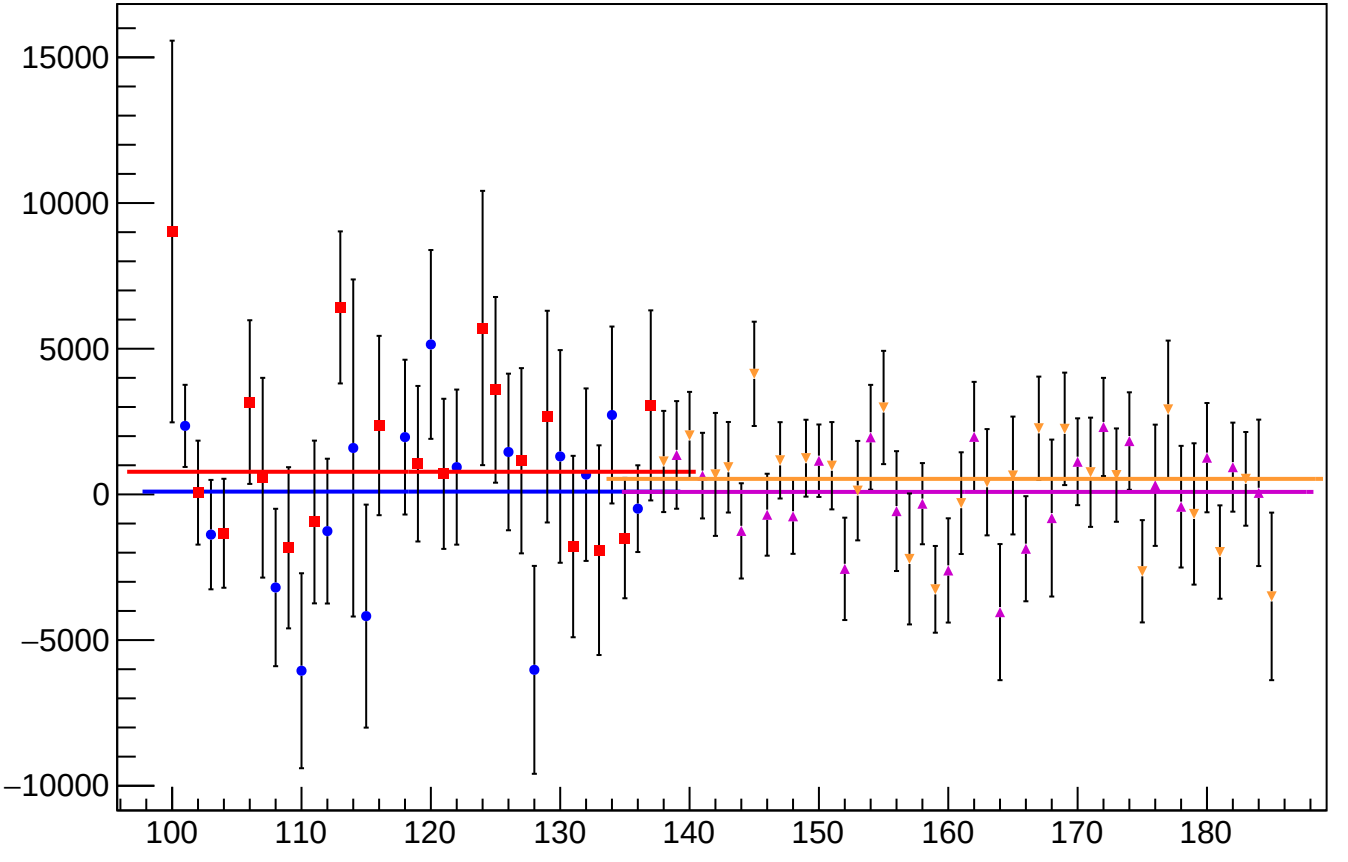
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.757+/-0.150 χ^2/NDF: 18058.1/40

All: 1096.509+/-0.107 χ^2/NDF: 32192.2/82

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

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

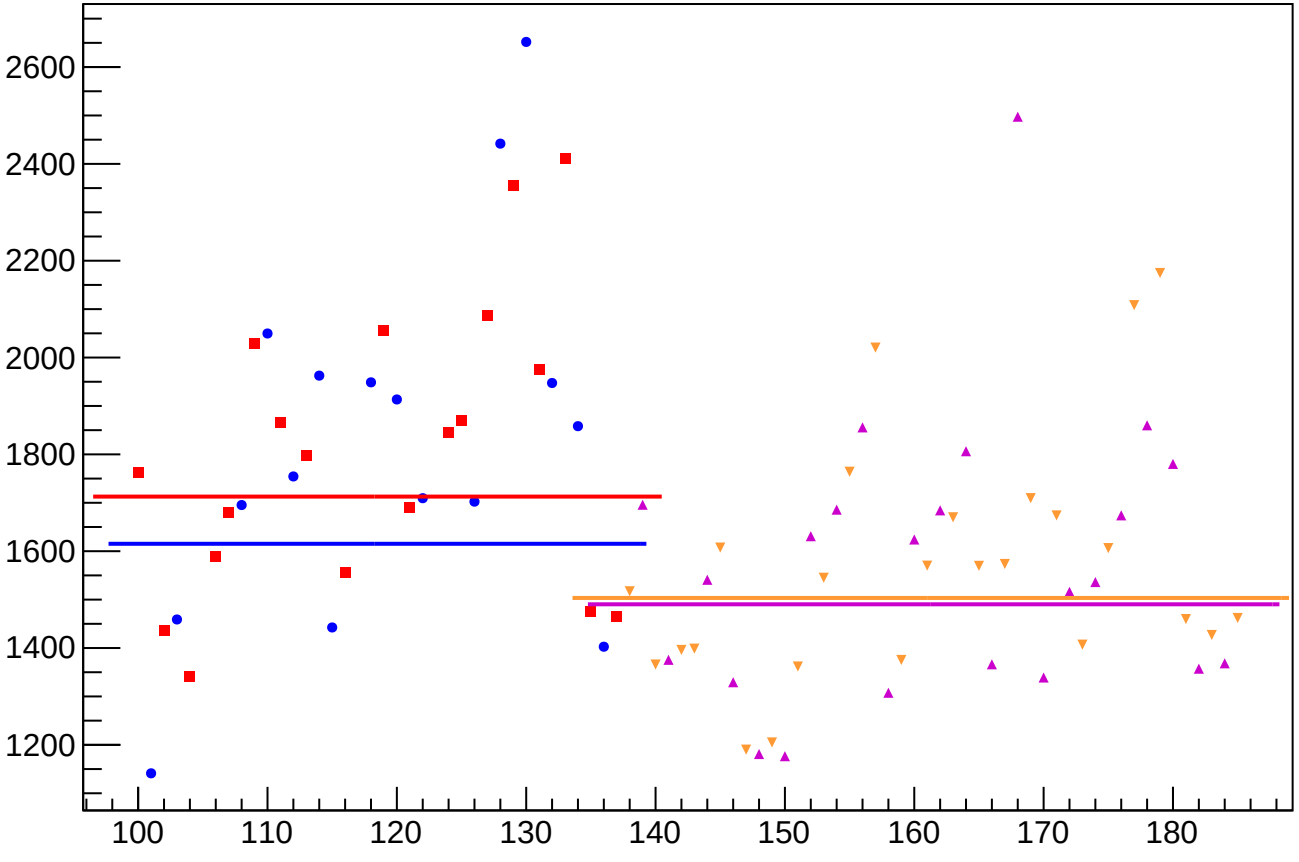
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 428.149+/-302.726 χ^2/NDF: 43.7/40

All: 340.279+/-216.374 χ^2/NDF: 77.9/82

\- 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: 1503.437+/-0.246 χ^2/NDF:799670.9/24

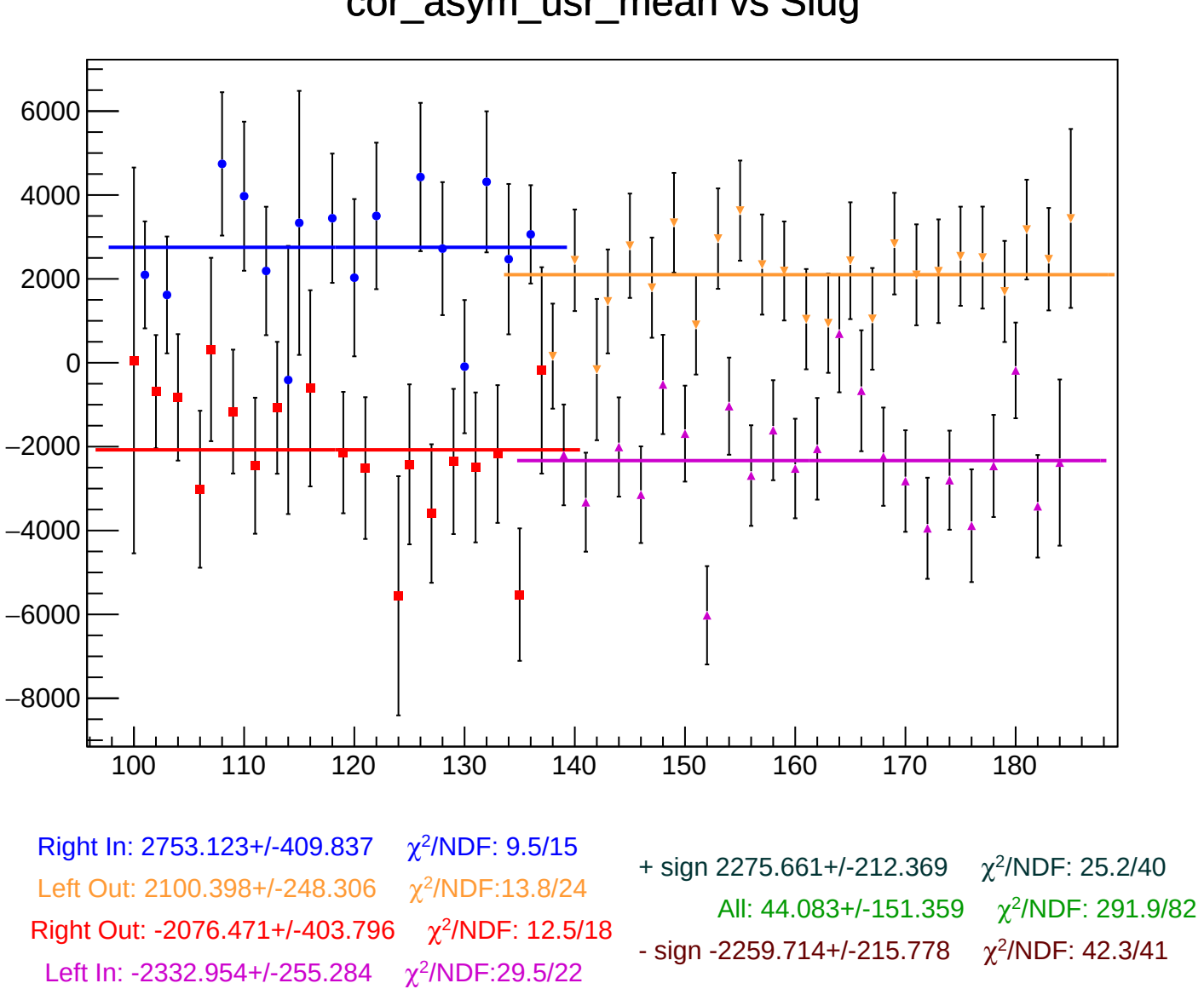
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

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

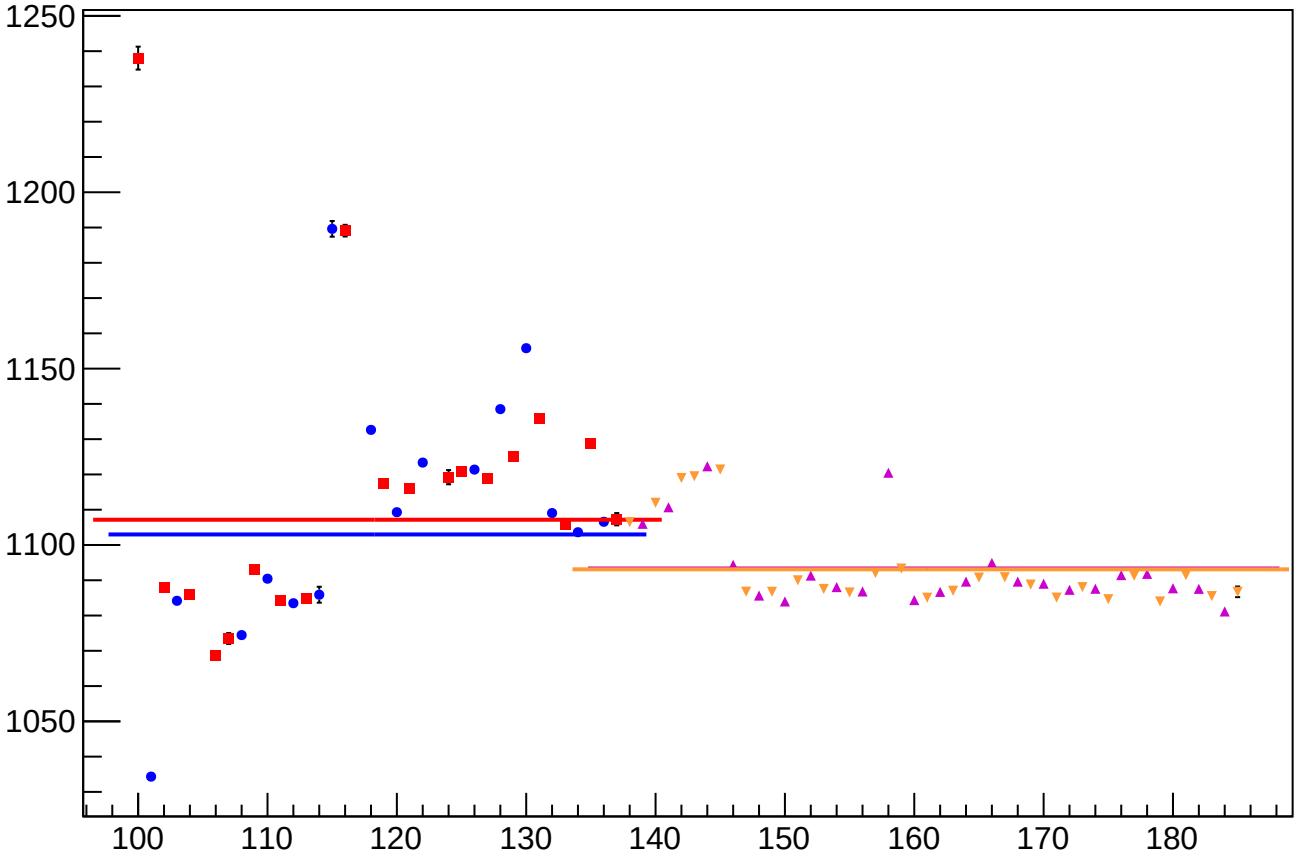
\+ sign 1530.274+/-0.214 χ^2/NDF: 1543108.6/40

All: 1536.402+/-0.153 χ^2/NDF: 3127509.0/82

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


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: 2100.398+/-248.306 χ²/NDF:13.8/24
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2332.954+/-255.284 χ²/NDF:29.5/22
+ sign 2275.661+/-212.369 χ²/NDF: 25.2/40
All: 44.083+/-151.359 χ²/NDF: 291.9/82
- sign -2259.714+/-215.778 χ²/NDF: 42.3/41

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

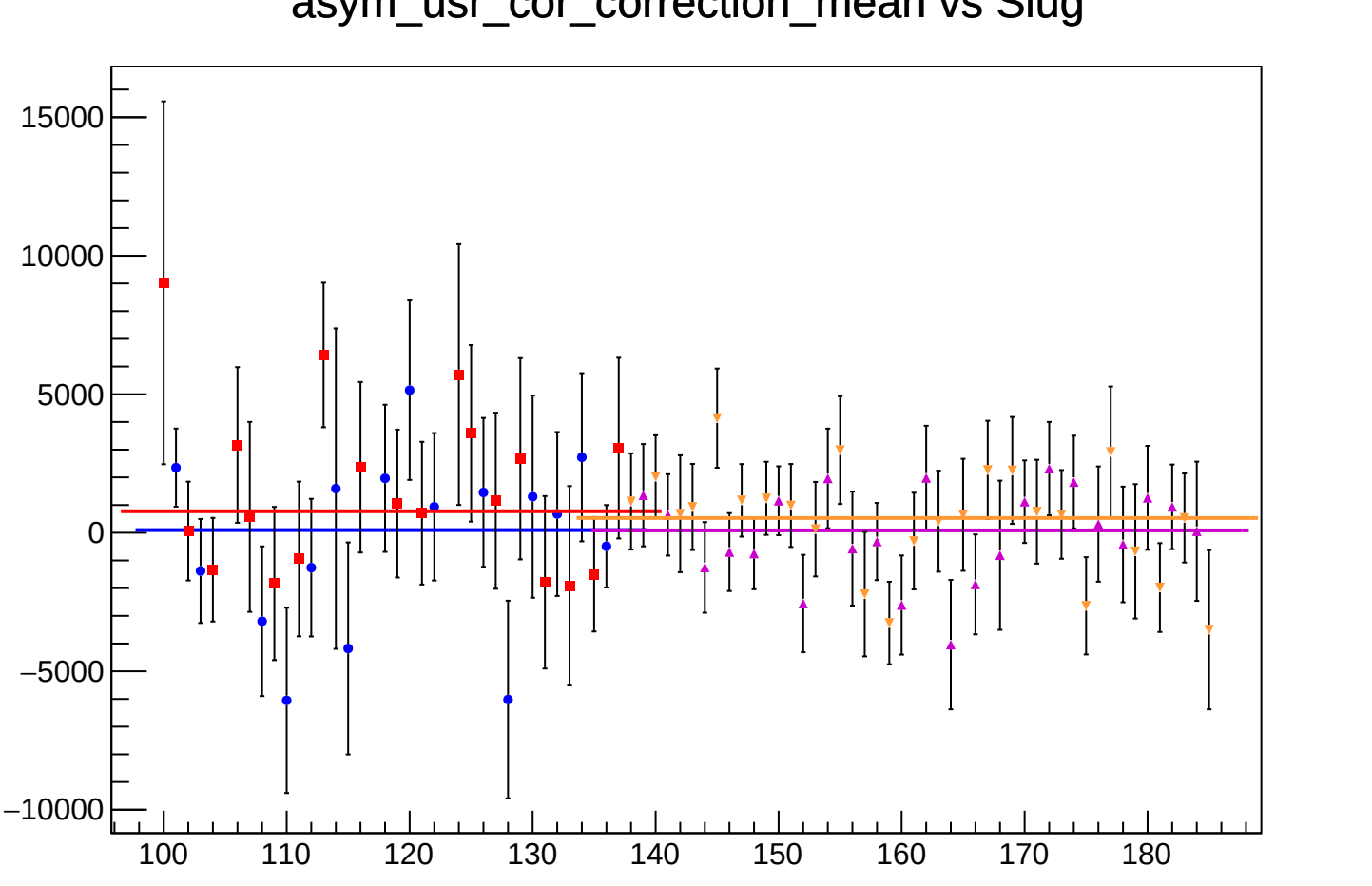
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

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

+ sign 1095.757+/-0.150 χ^2/NDF: 18058.1/40

All: 1096.509+/-0.107 χ^2/NDF: 32192.2/82

- 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: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

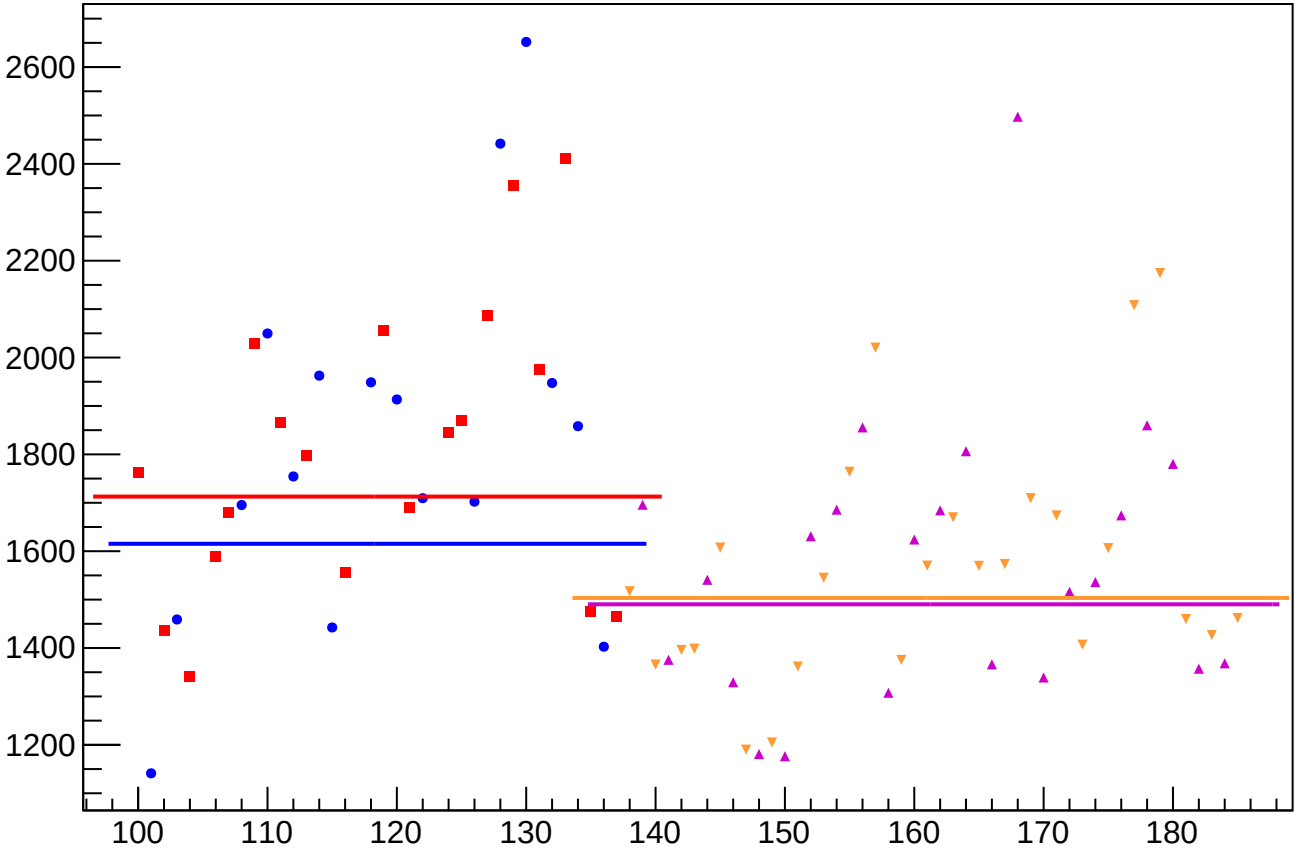
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 428.149+/-302.726 χ^2/NDF: 43.7/40

All: 340.279+/-216.374 χ^2/NDF: 77.9/82

- 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: 1503.437+/-0.246 χ^2/NDF:799670.9/24

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

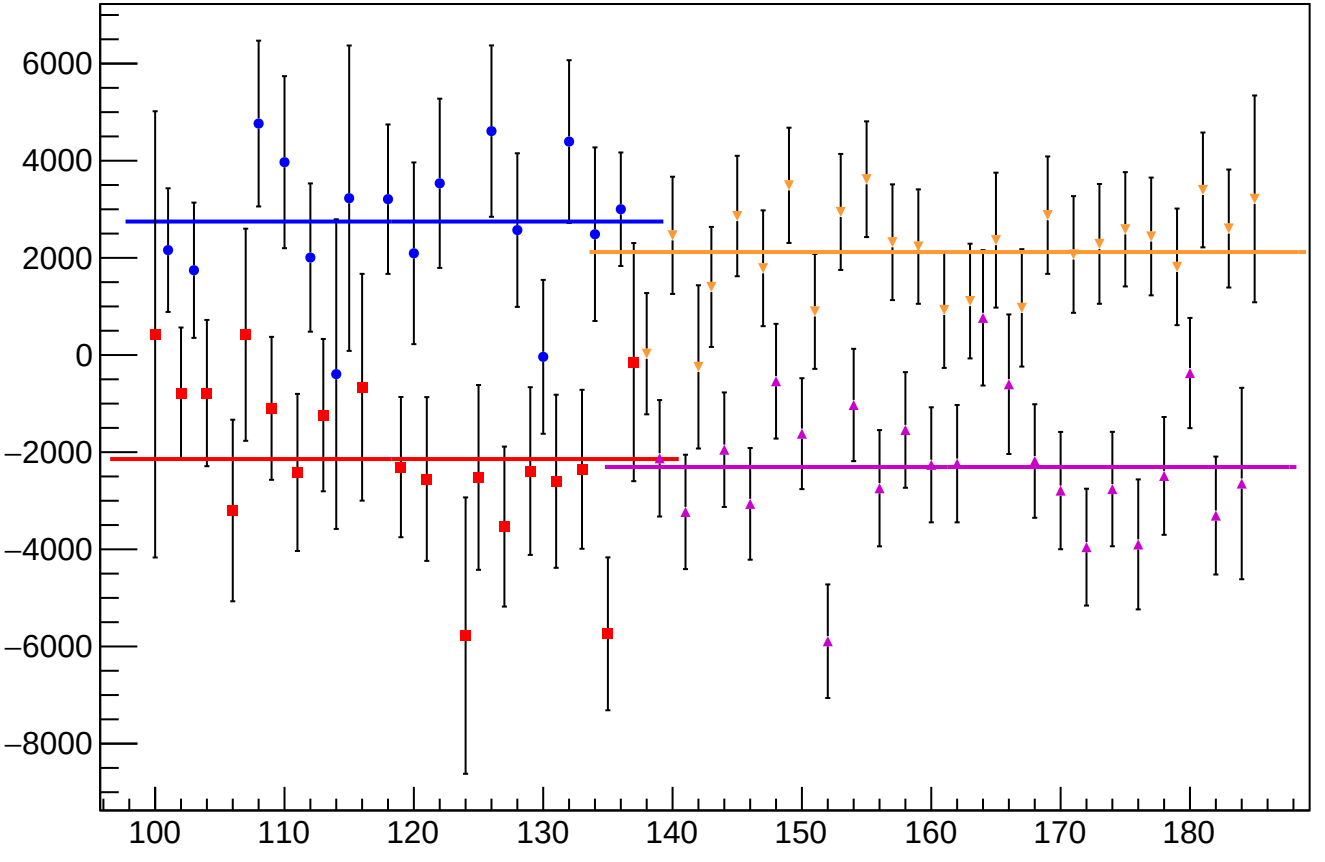
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1530.274+/-0.214 χ^2/NDF: 1543108.6/40

All: 1536.402+/-0.153 χ^2/NDF: 3127509.0/82

- 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: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

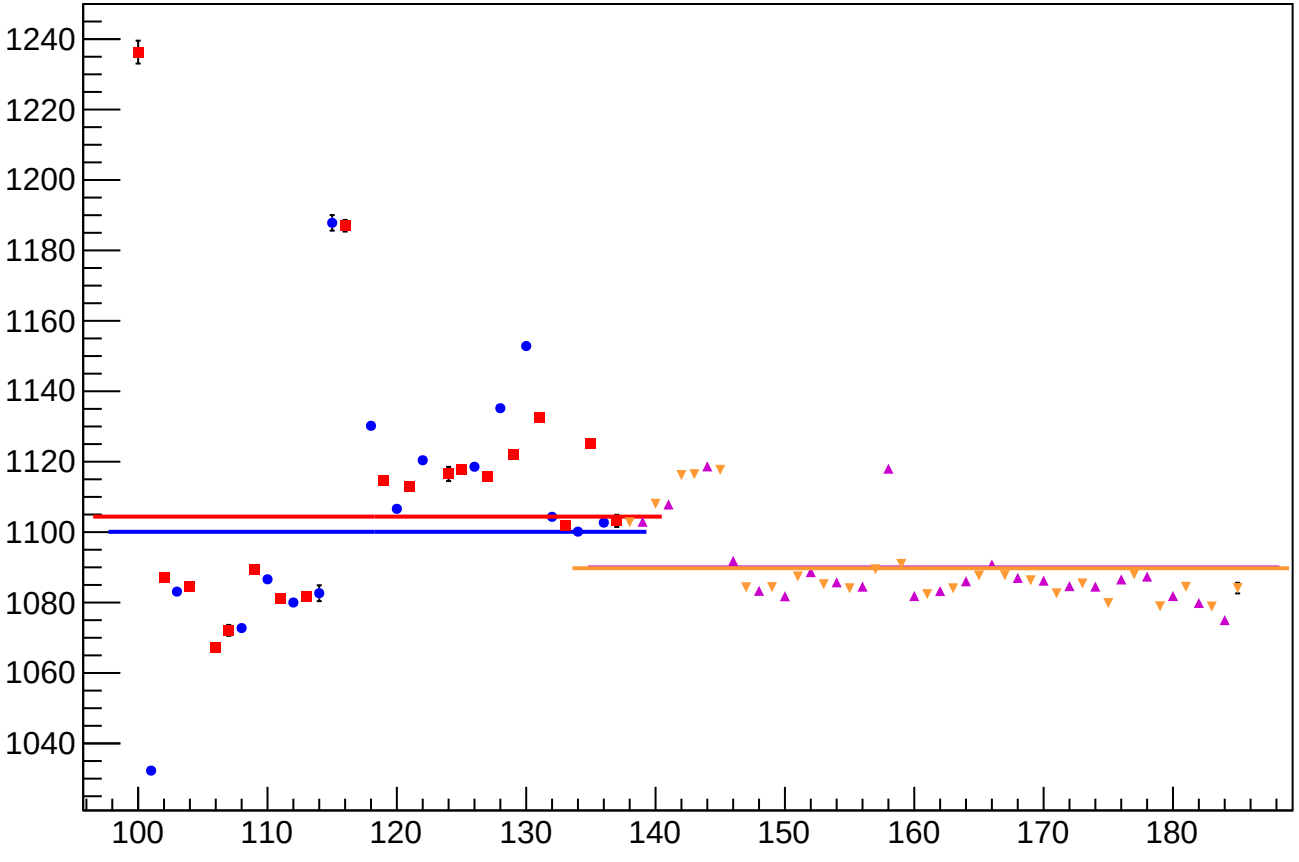
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2288.479+/-211.742 χ^2/NDF: 26.4/40

All: 51.254+/-150.915 χ^2/NDF: 295.4/82

- 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: 1089.744+/-0.175 χ^2/NDF:4057.6/24

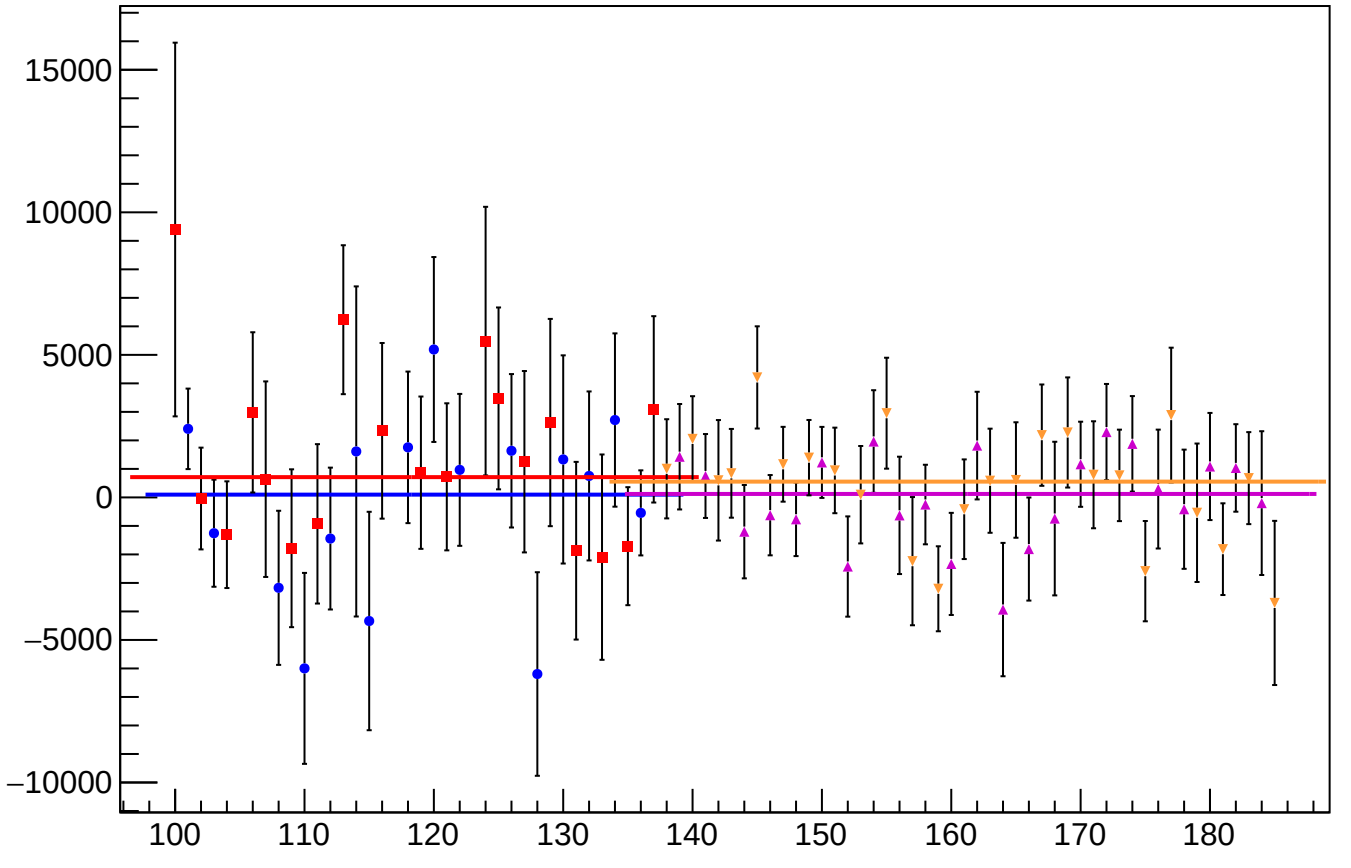
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

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

+ sign 1092.520+/-0.150 χ^2/NDF: 18072.4/40

All: 1093.289+/-0.107 χ^2/NDF: 32402.2/82

- 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: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

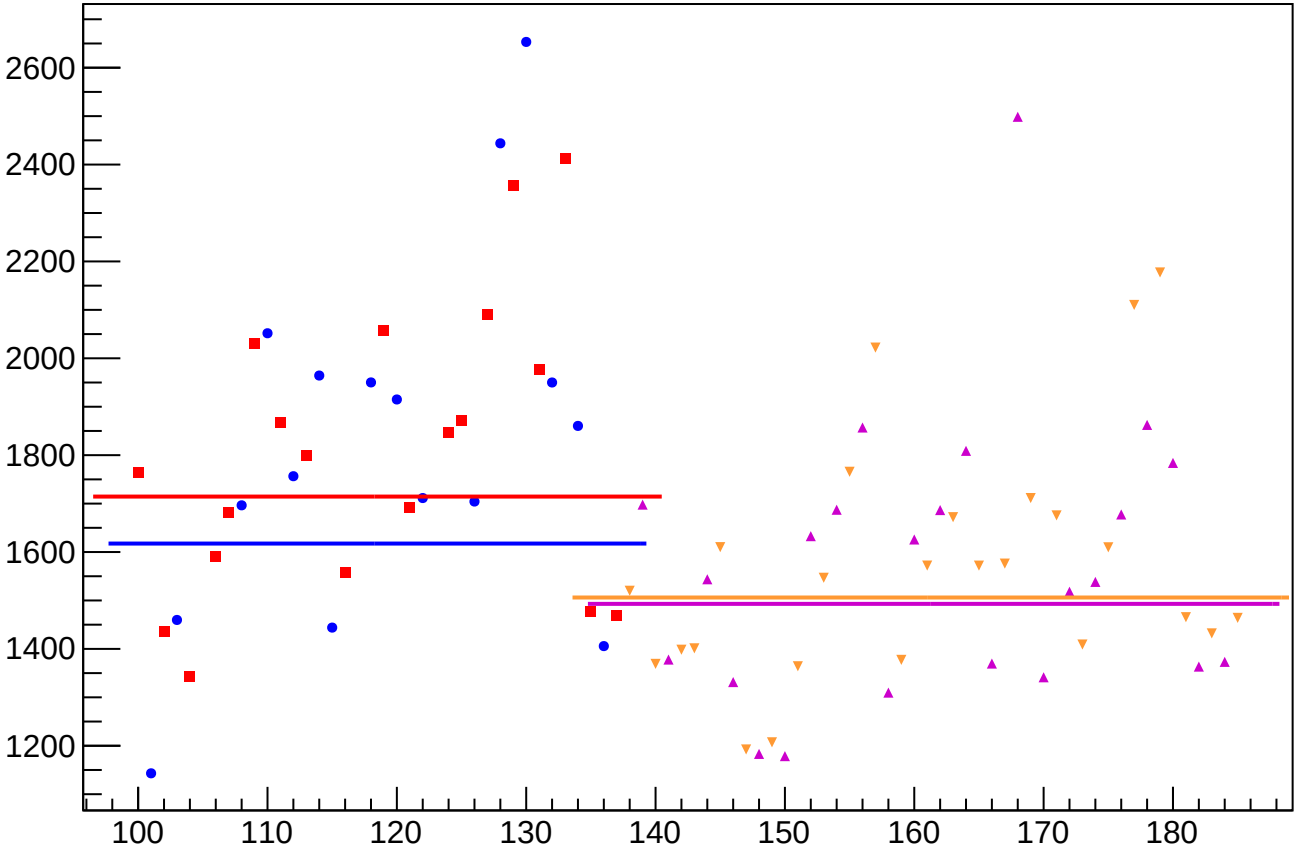
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 444.225+/-303.209 χ^2/NDF: 43.8/40

All: 354.470+/-216.713 χ^2/NDF: 76.7/82

- 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: 1506.103+/-0.246 χ^2/NDF:796401.8/24

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

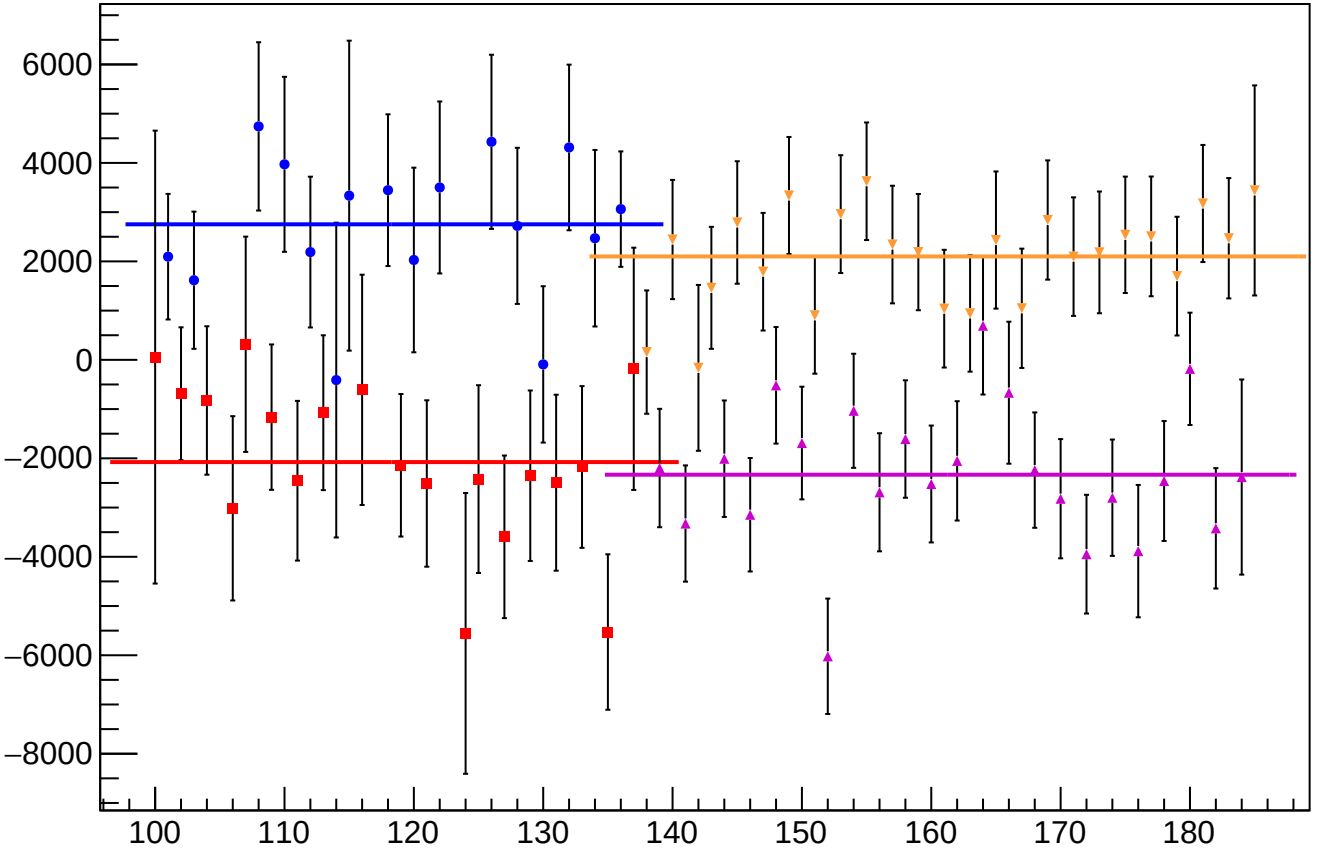
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1532.840+/-0.214 χ^2/NDF: 1537364.3/40

All: 1538.934+/-0.153 χ^2/NDF: 3115505.6/82

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

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

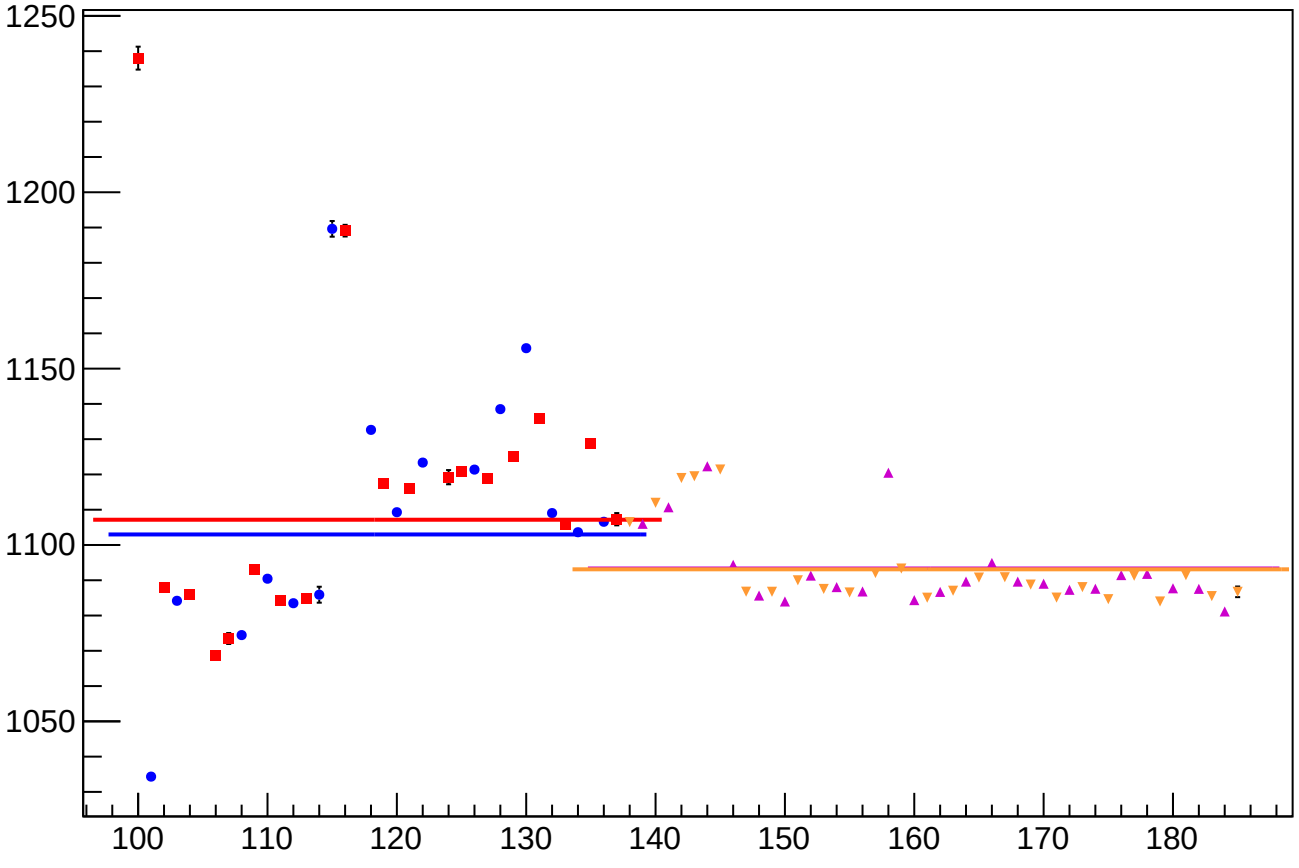
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.661+/-212.369 χ^2/NDF: 25.2/40

All: 44.083+/-151.359 χ^2/NDF: 291.9/82

- sign -2259.714+/-215.778 χ^2/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: 1093.102+/-0.176 χ^2/NDF:3983.2/24

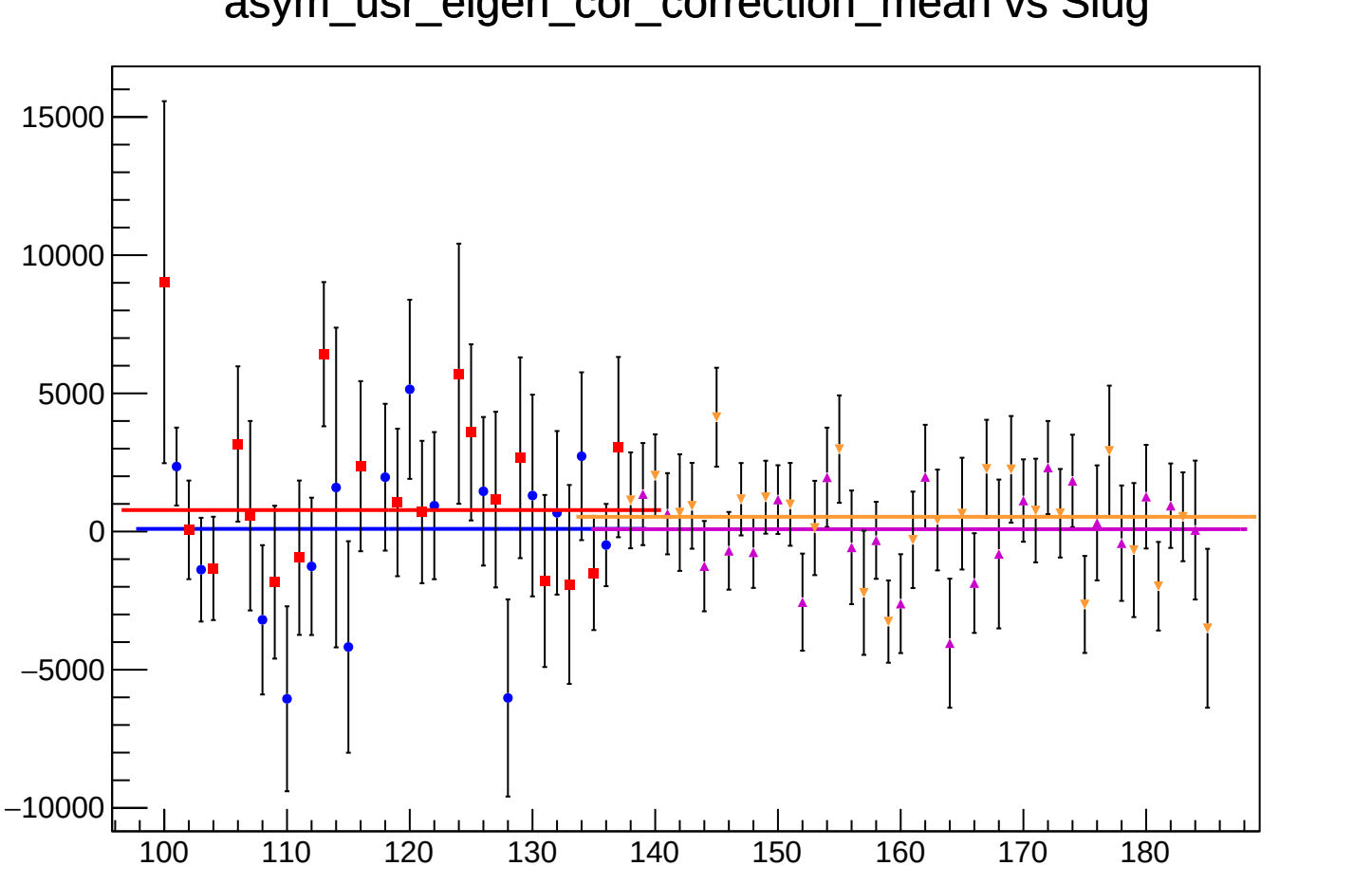
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

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

+ sign 1095.757+/-0.150 χ^2/NDF: 18058.1/40

All: 1096.509+/-0.107 χ^2/NDF: 32192.2/82

- 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: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

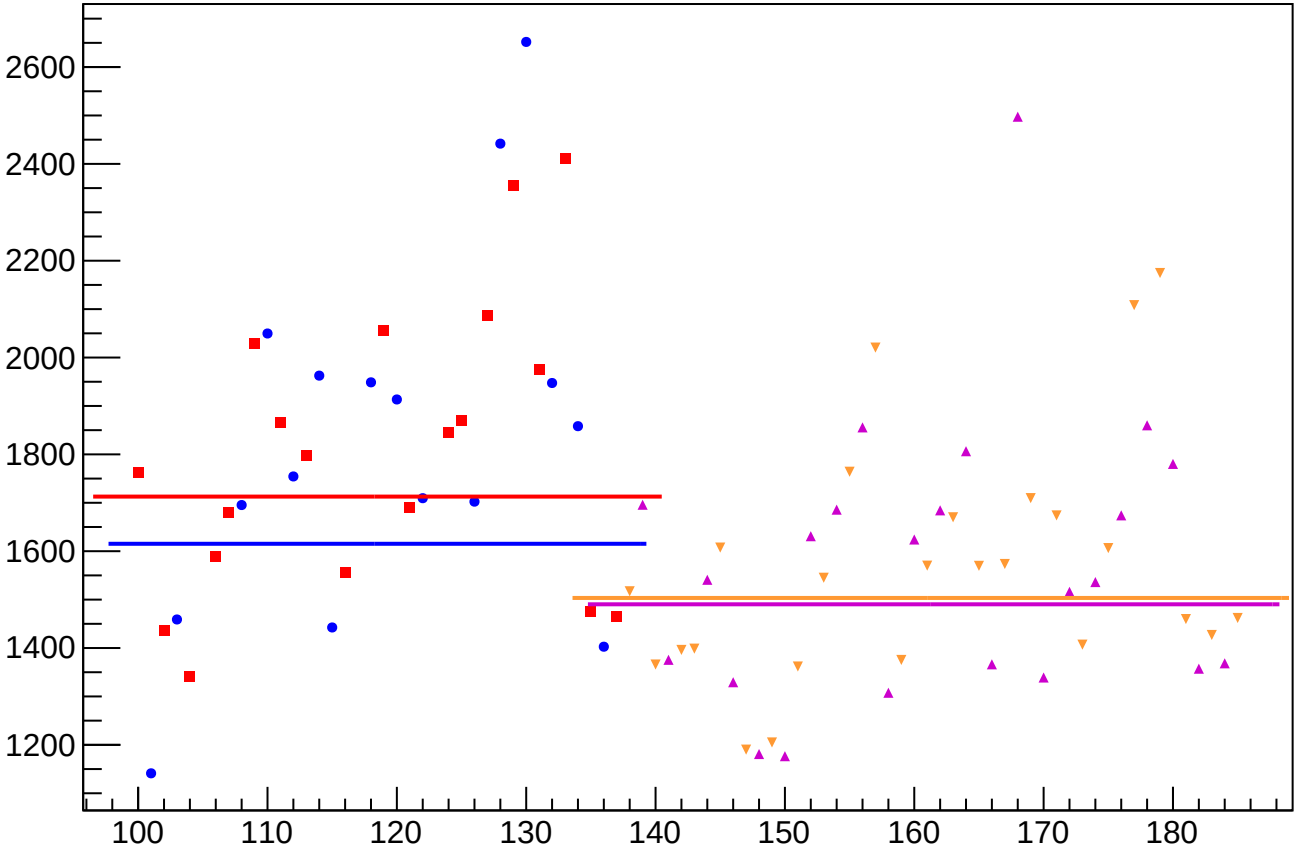
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 428.149+/-302.726 χ^2/NDF: 43.7/40

All: 340.279+/-216.374 χ^2/NDF: 77.9/82

\- 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: 1503.437+/-0.246 χ^2/NDF:799670.9/24

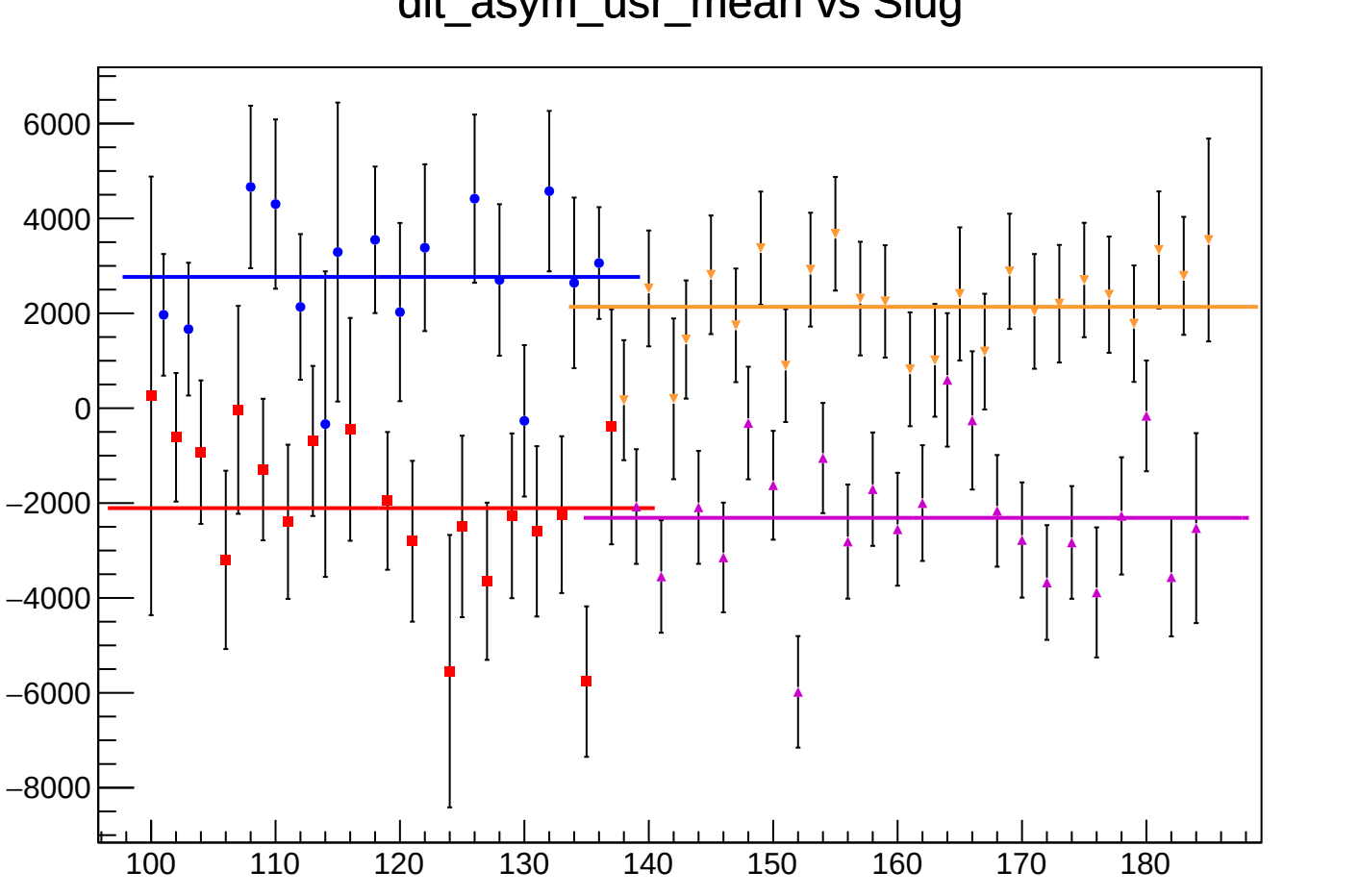
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

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

+ sign 1530.274+/-0.214 χ^2/NDF: 1543108.6/40

All: 1536.402+/-0.153 χ^2/NDF: 3127509.0/82

- 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: 2137.184+/-250.195 χ^2/NDF:13.9/24

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

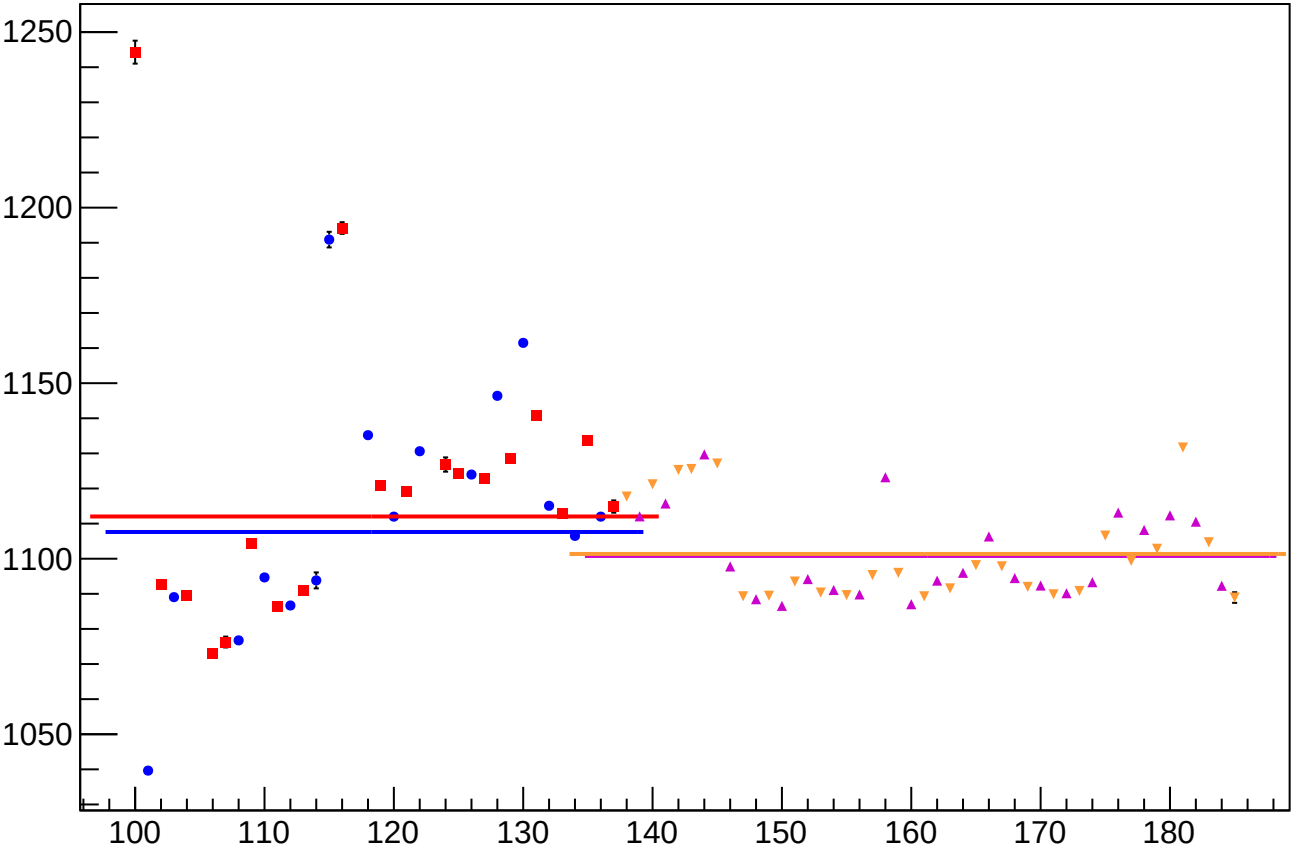
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2307.040+/-213.790 χ^2/NDF: 26.0/40

All: 62.185+/-152.332 χ^2/NDF: 293.4/82

- 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: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

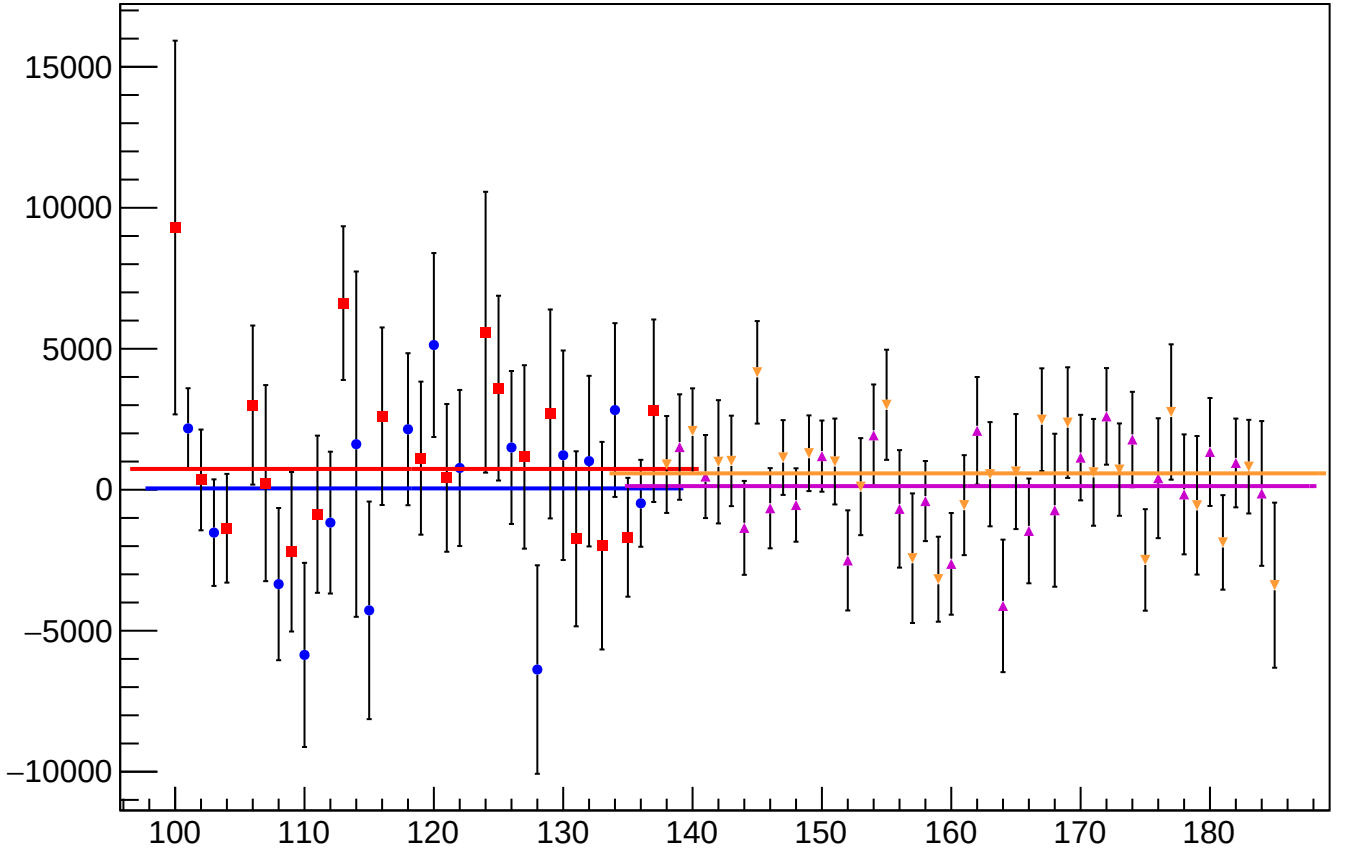
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.043+/-0.151 χ^2/NDF: 19509.3/40

All: 1103.520+/-0.108 χ^2/NDF: 33920.0/82

- 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: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

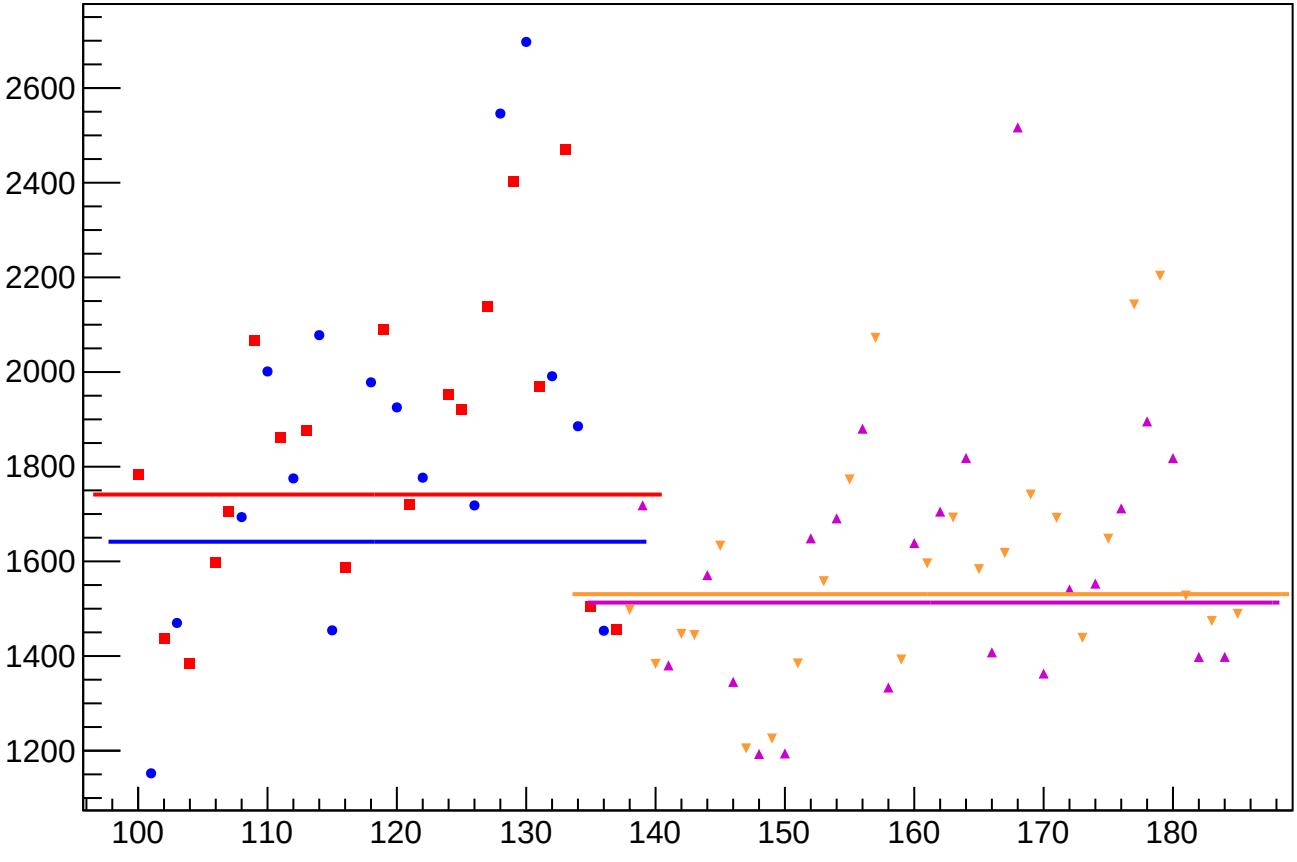
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

\+ sign 453.113+/-307.983 χ^2/NDF: 42.8/40

All: 364.353+/-219.904 χ^2/NDF: 76.5/82

\- 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: 1530.764+/-0.250 χ^2/NDF:795634.5/24

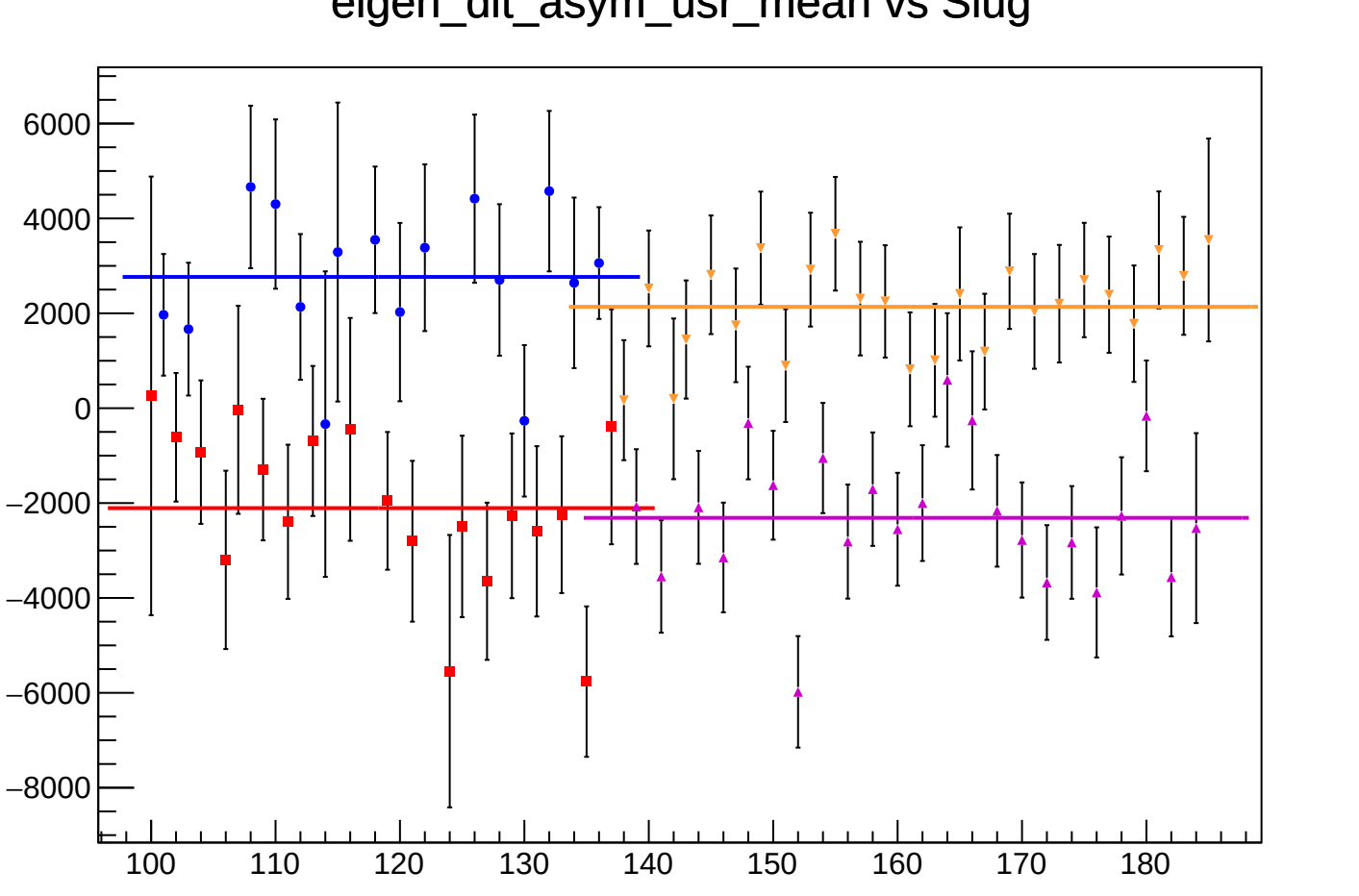
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

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

+ sign 1557.401+/-0.218 χ^2/NDF: 1544200.8/40

All: 1561.914+/-0.155 χ^2/NDF: 3130404.7/82

- 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: 2137.182+/-250.195 χ^2/NDF:13.9/24

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

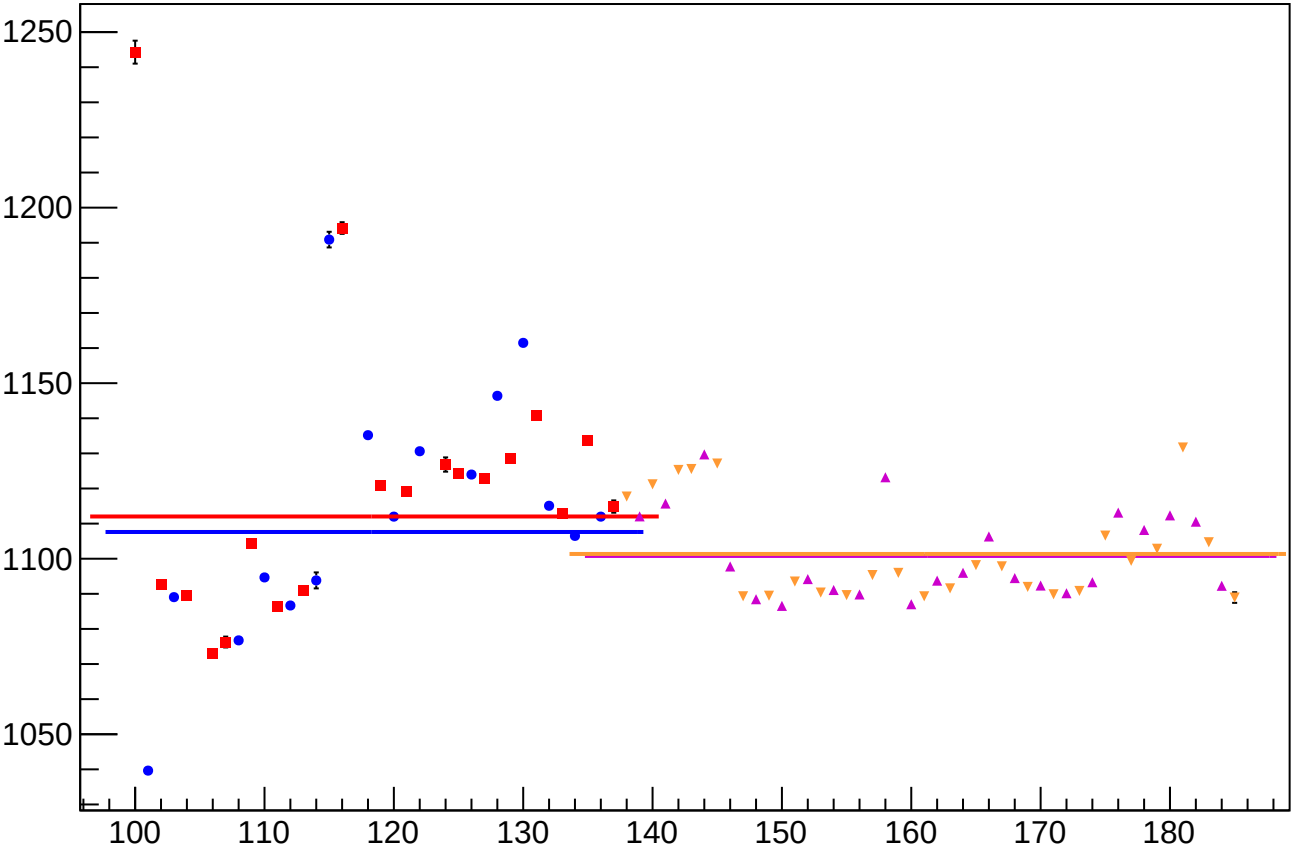
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2307.038+/-213.790 χ^2/NDF: 26.0/40

All: 62.184+/-152.332 χ^2/NDF: 293.4/82

- 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: 1101.353+/-0.177 χ^2/NDF:5950.6/24

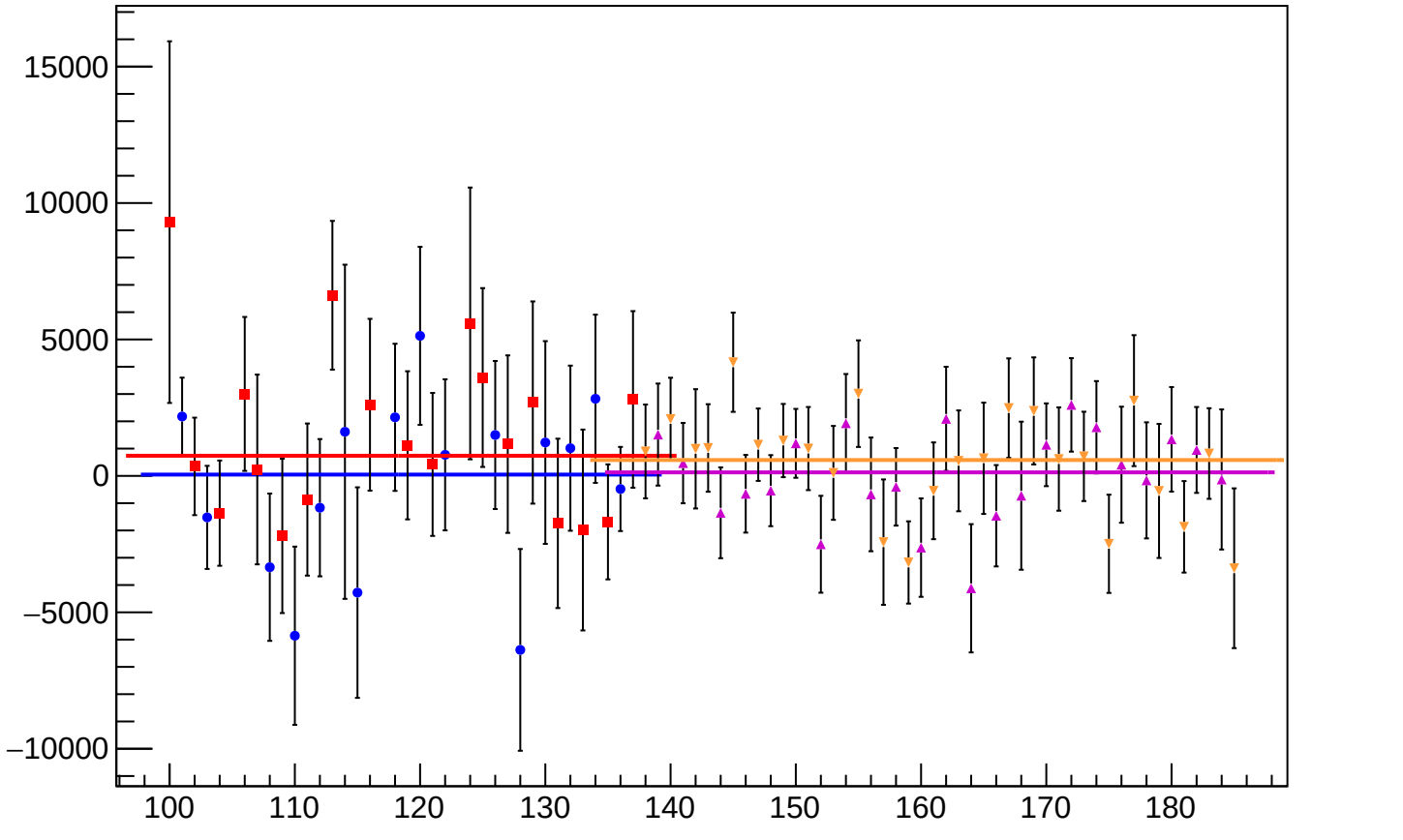
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

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

+ sign 1103.043+/-0.151 χ^2/NDF: 19509.1/40

All: 1103.520+/-0.108 χ^2/NDF: 33919.8/82

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



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

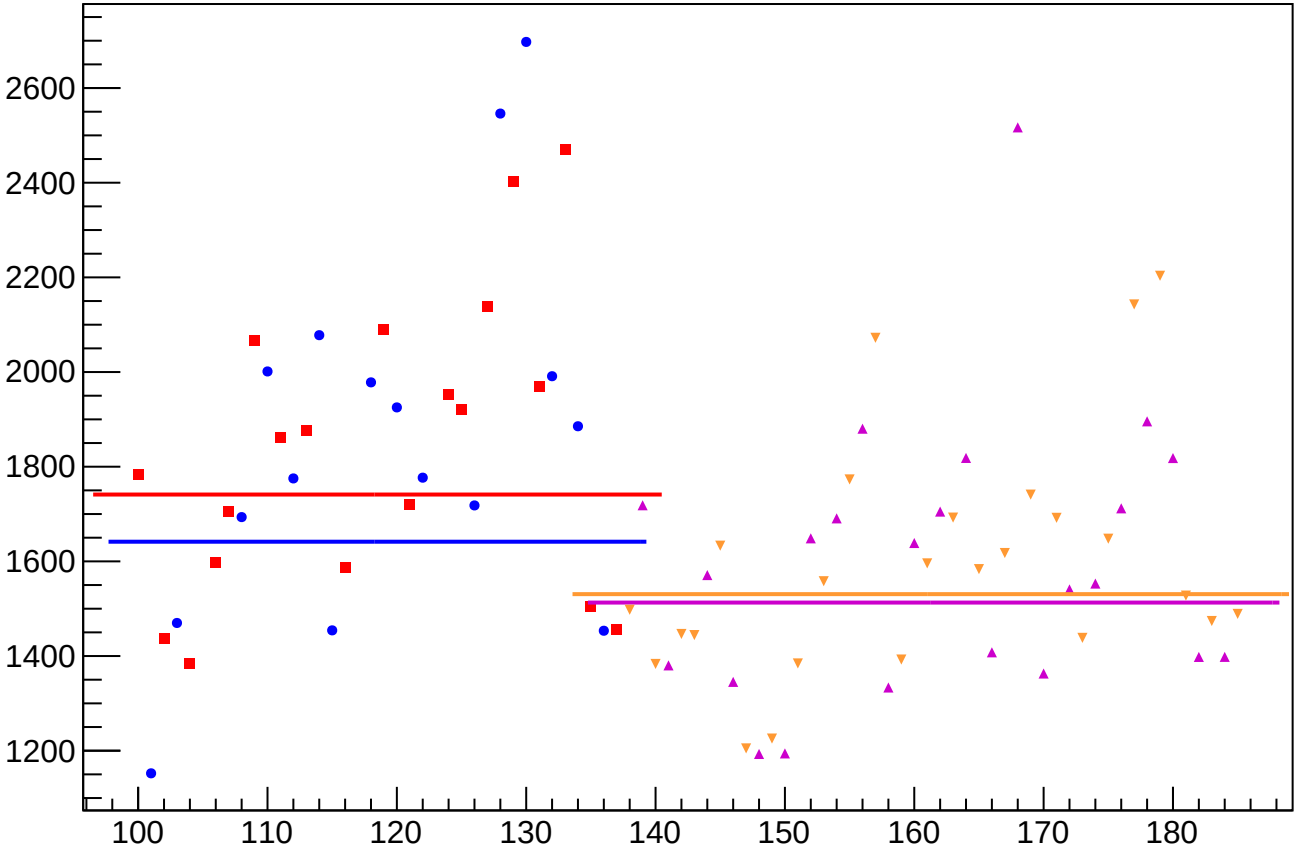
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 453.110+/-307.984 χ^2/NDF: 42.8/40

All: 364.352+/-219.905 χ^2/NDF: 76.5/82

\- 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: 1530.768+/-0.250 χ^2/NDF:795638.4/24

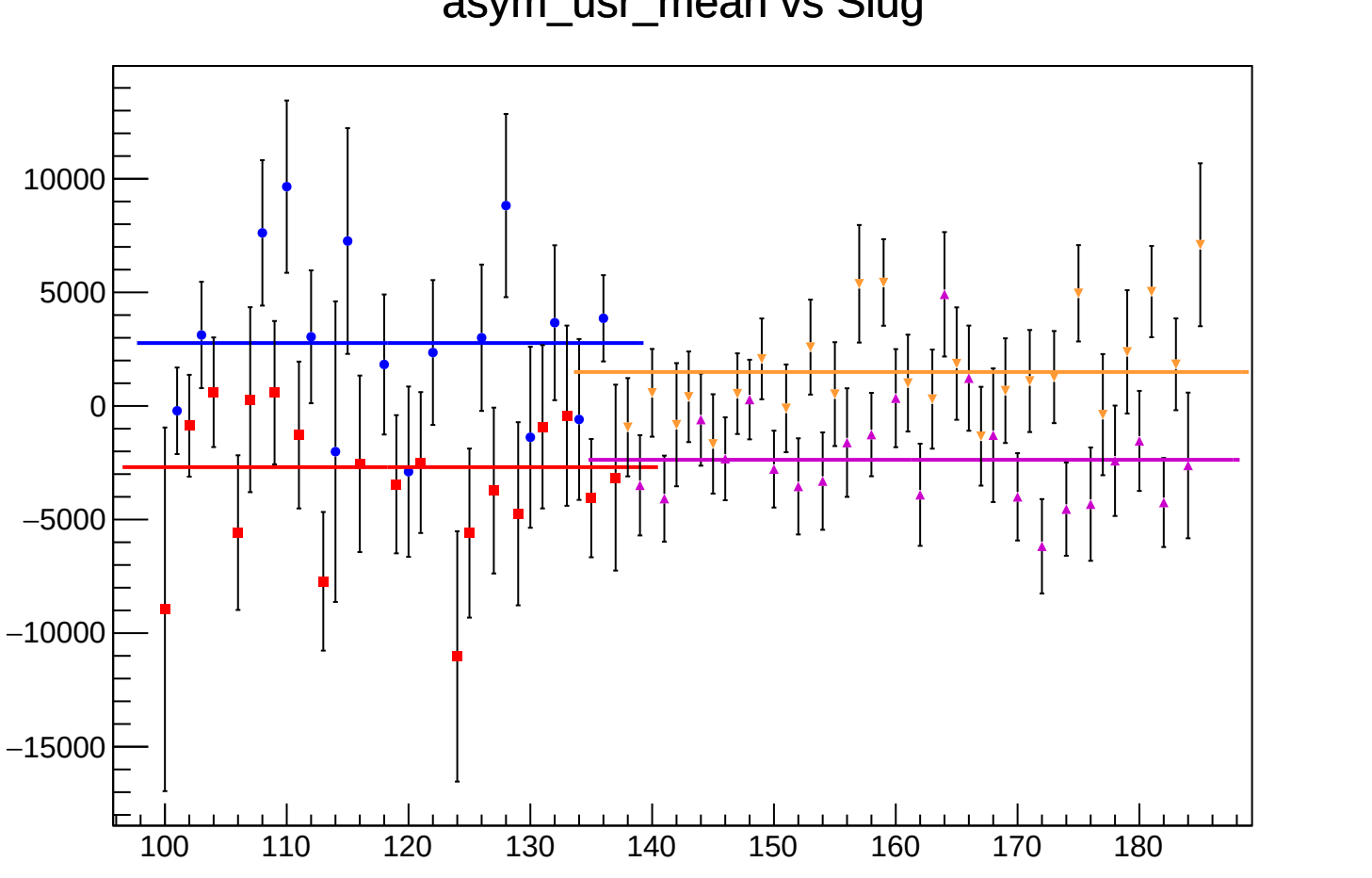
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

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

+ sign 1557.404+/-0.218 χ^2/NDF: 1544187.5/40

All: 1561.917+/-0.155 χ^2/NDF: 3130376.5/82

- 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: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

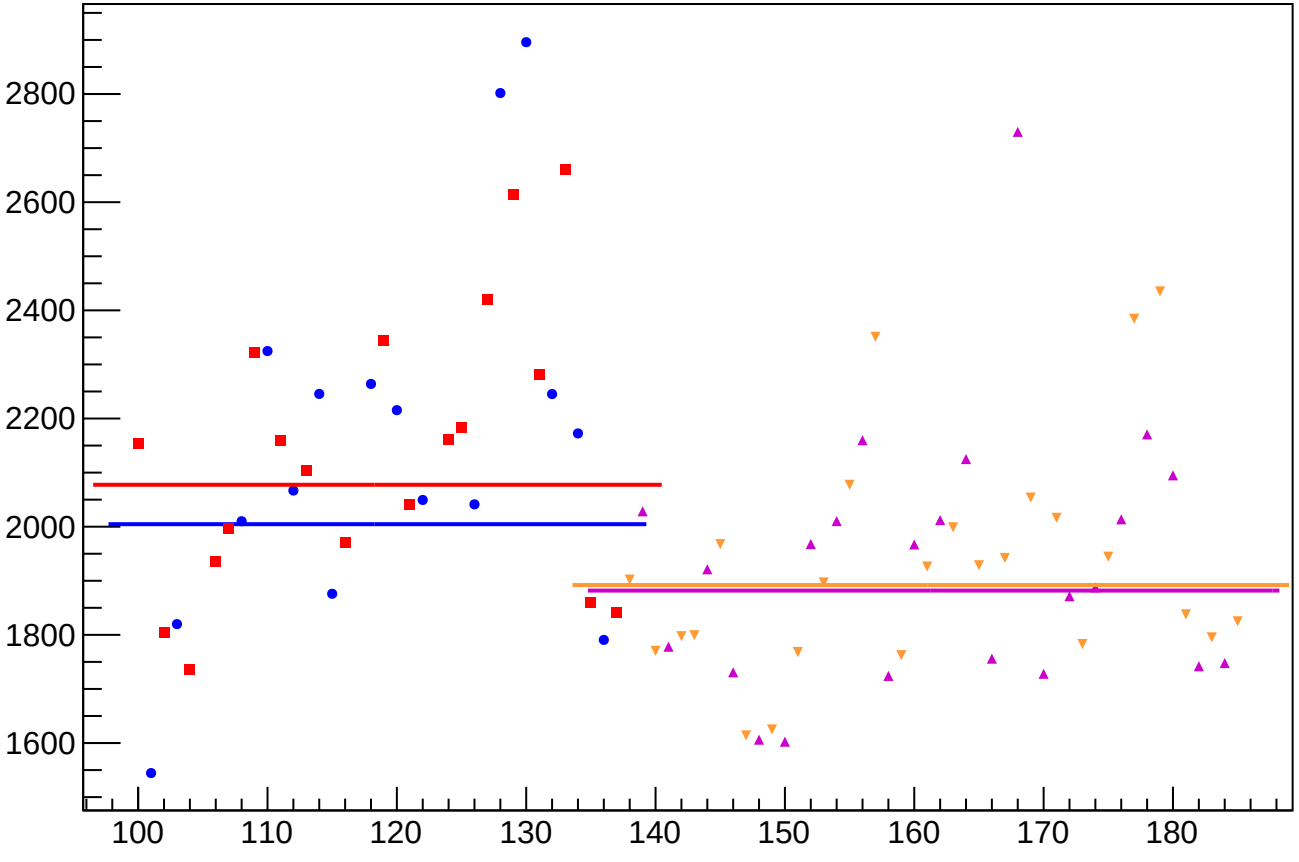
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1809.466+/-375.999 χ^2/NDF: 42.3/40

All: -279.311+/-268.458 χ^2/NDF: 141.7/82

- 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: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

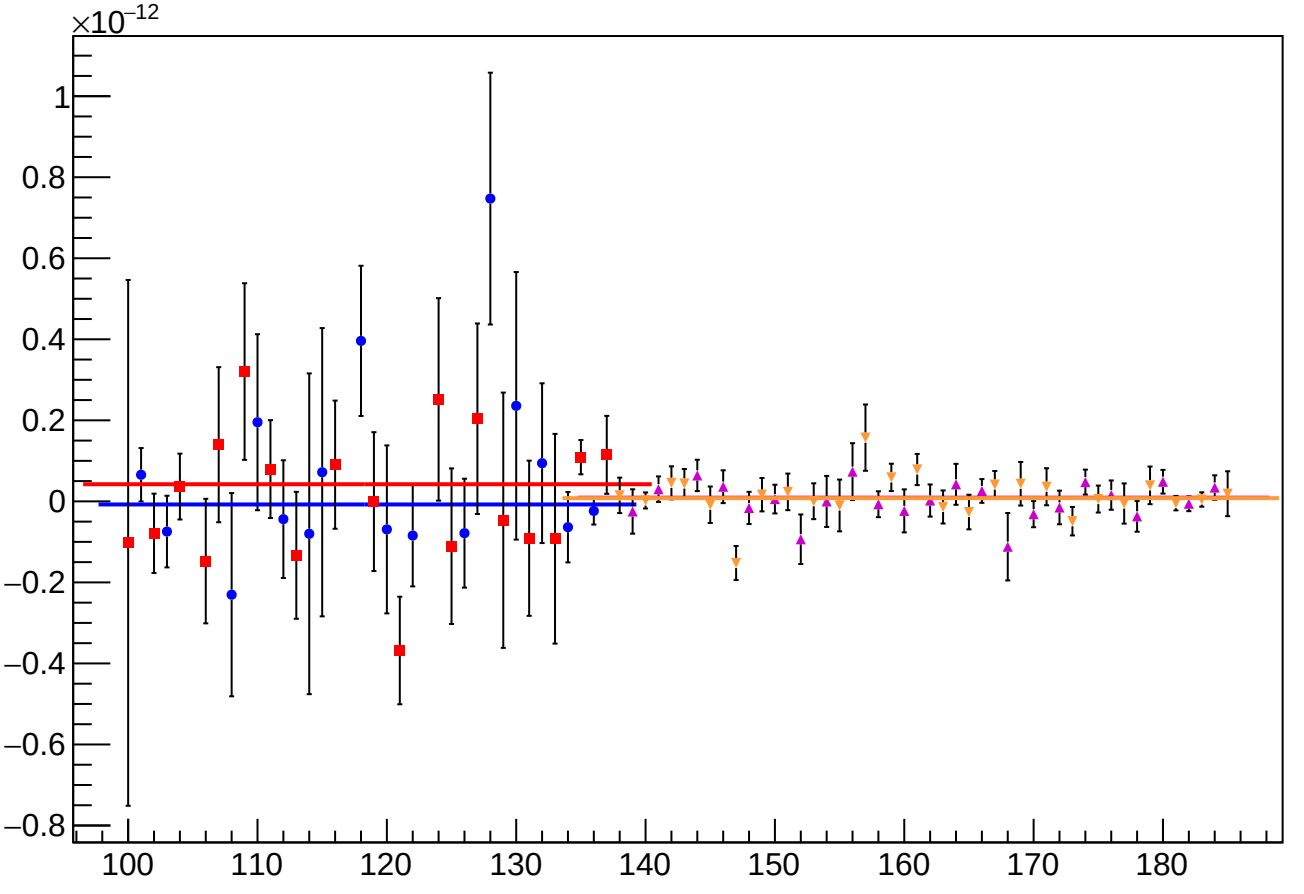
Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1919.868+/-0.266 χ^2/NDF: 810493.9/40

All: 1925.293+/-0.190 χ^2/NDF: 1602270.1/82

- 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:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

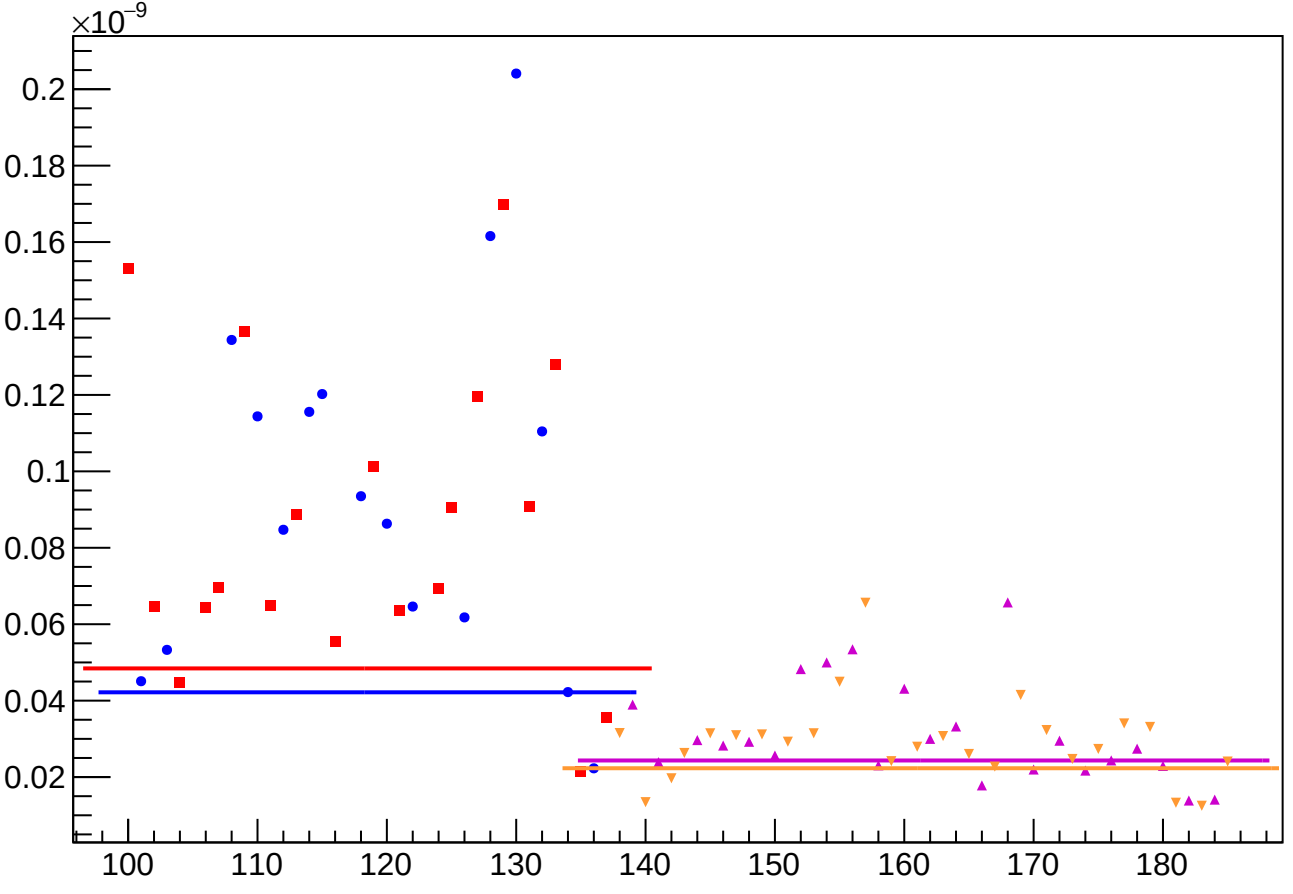
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/40

All: 0.000+/-0.000 χ^2/NDF: 91.7/82

- 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:3629538.0/24

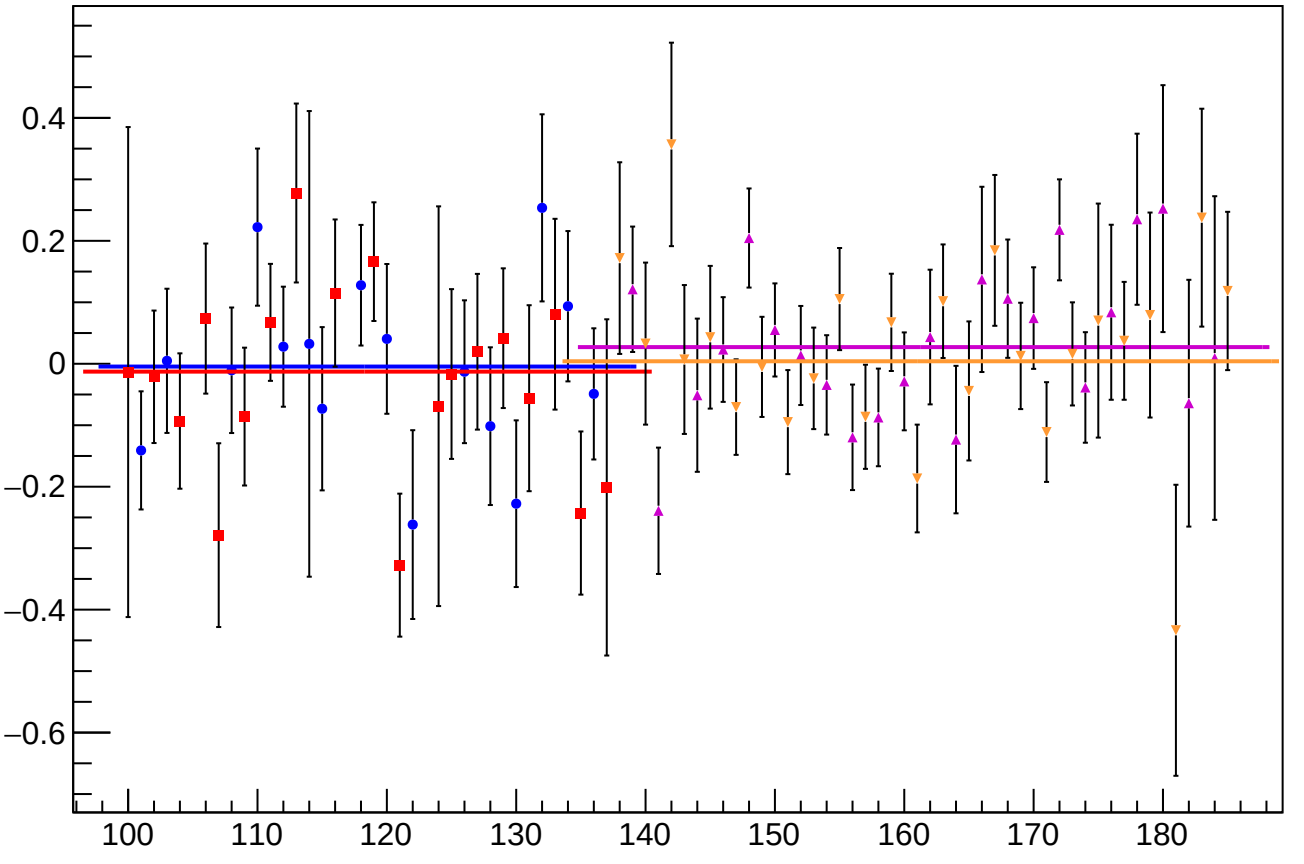
Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 7802293.0/40

All: 0.000+/-0.000 χ^2/NDF: 15116006.2/82

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



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

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

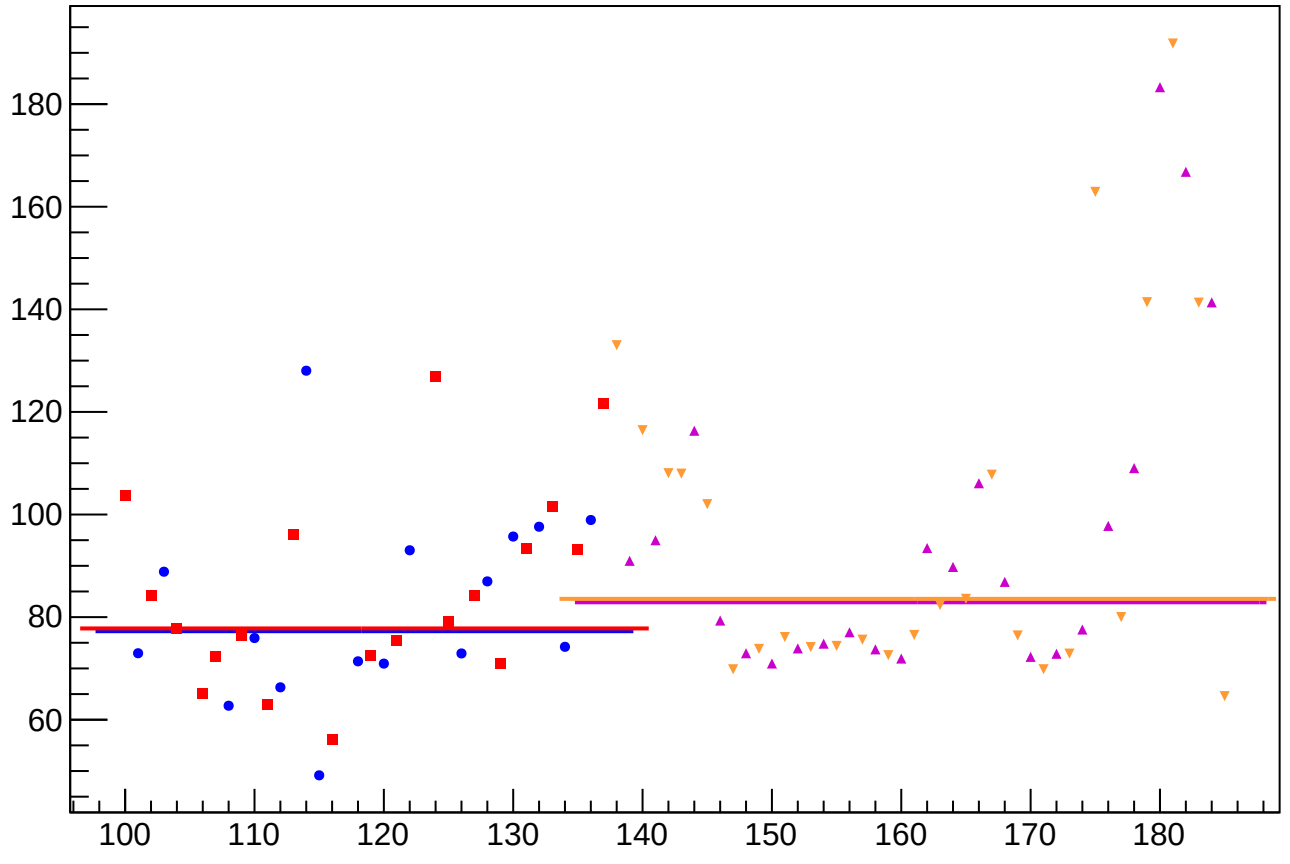
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

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

+ sign 0.001+/-0.017 χ^2/NDF: 45.5/40

All: 0.008+/-0.012 χ^2/NDF: 104.5/82

- 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: 83.564+/-0.014 χ^2/NDF:2172931.4/24

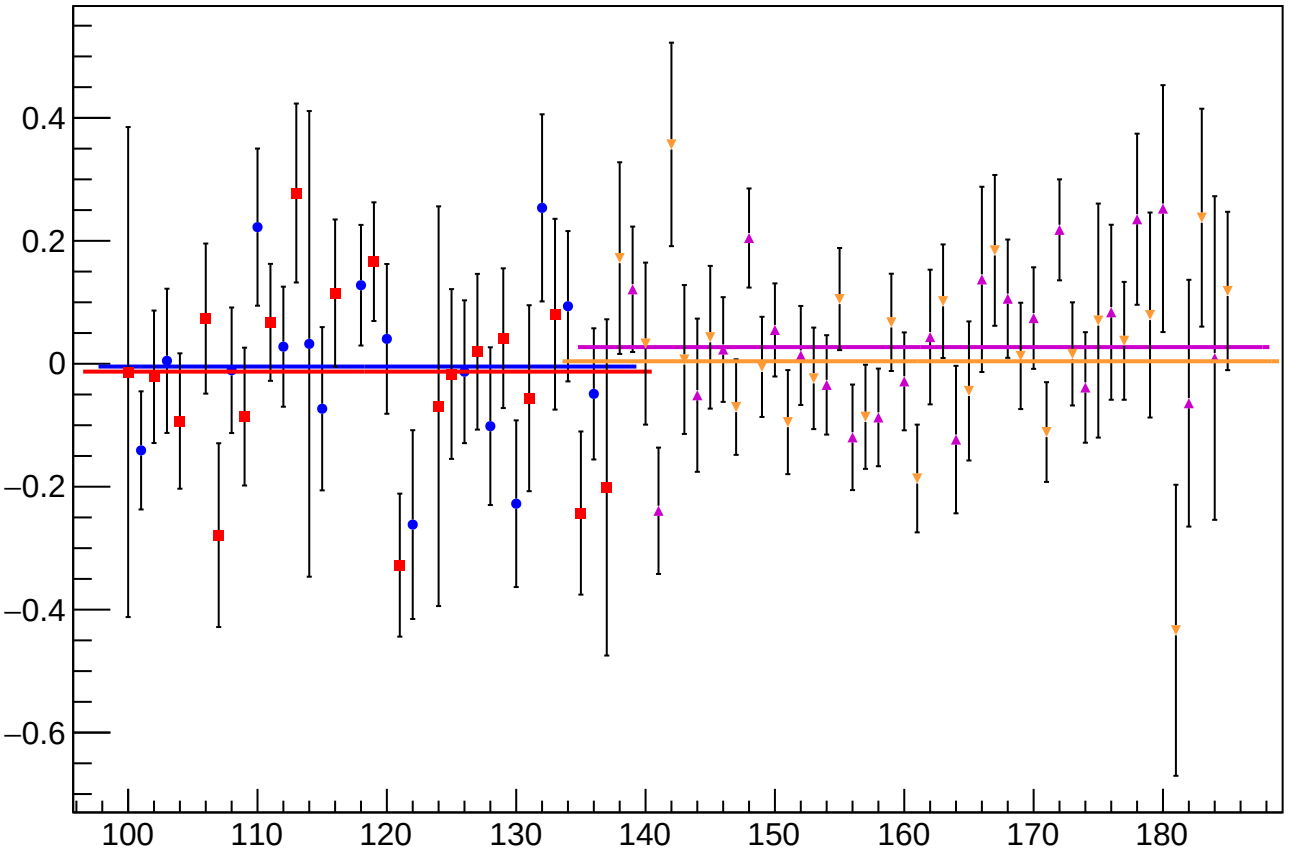
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

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

+ sign 81.588+/-0.012 χ^2/NDF: 2652681.9/40

All: 81.417+/-0.008 χ^2/NDF: 4662331.0/82

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



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

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

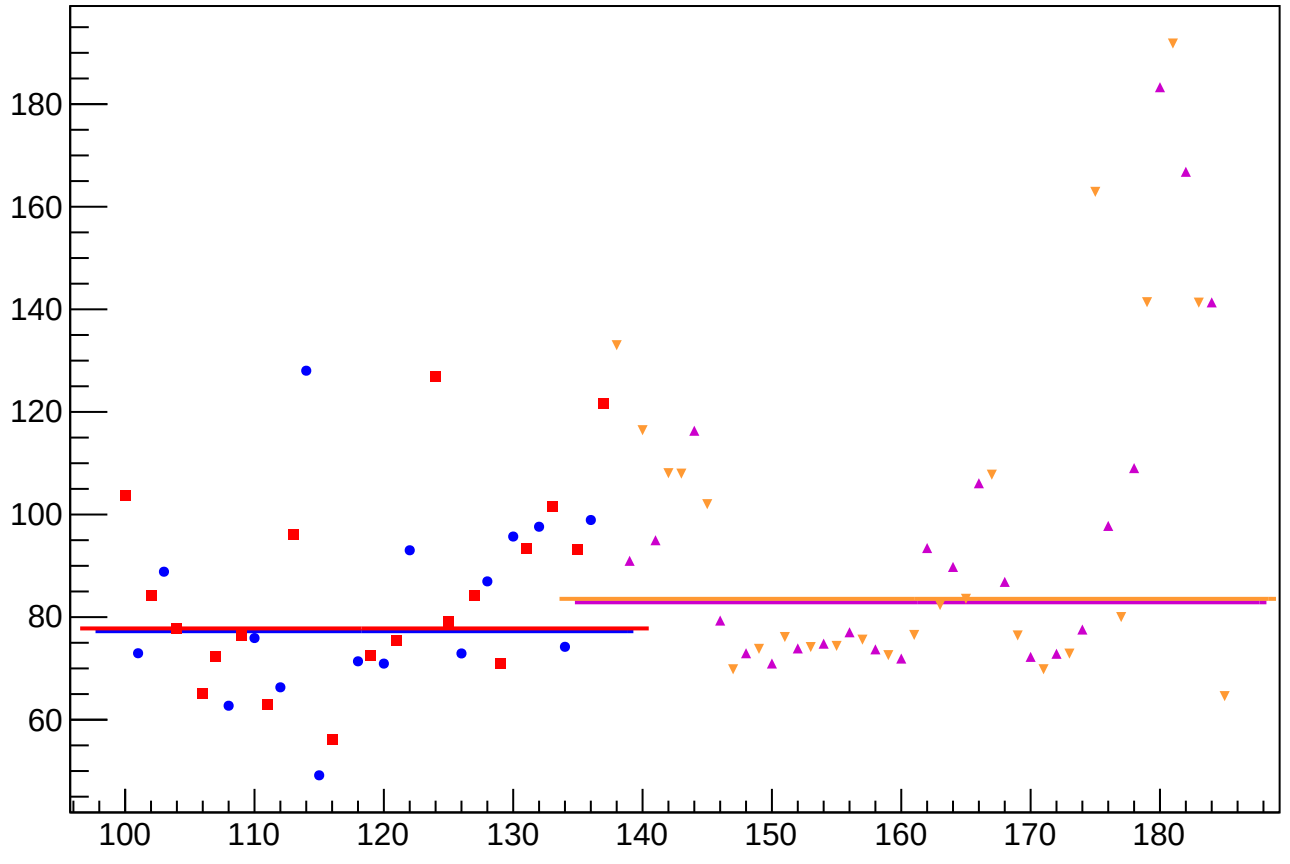
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

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

+ sign 0.001+/-0.017 χ^2/NDF: 45.5/40

All: 0.008+/-0.012 χ^2/NDF: 104.5/82

- 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: 83.564+/-0.014 χ^2/NDF:2172931.4/24

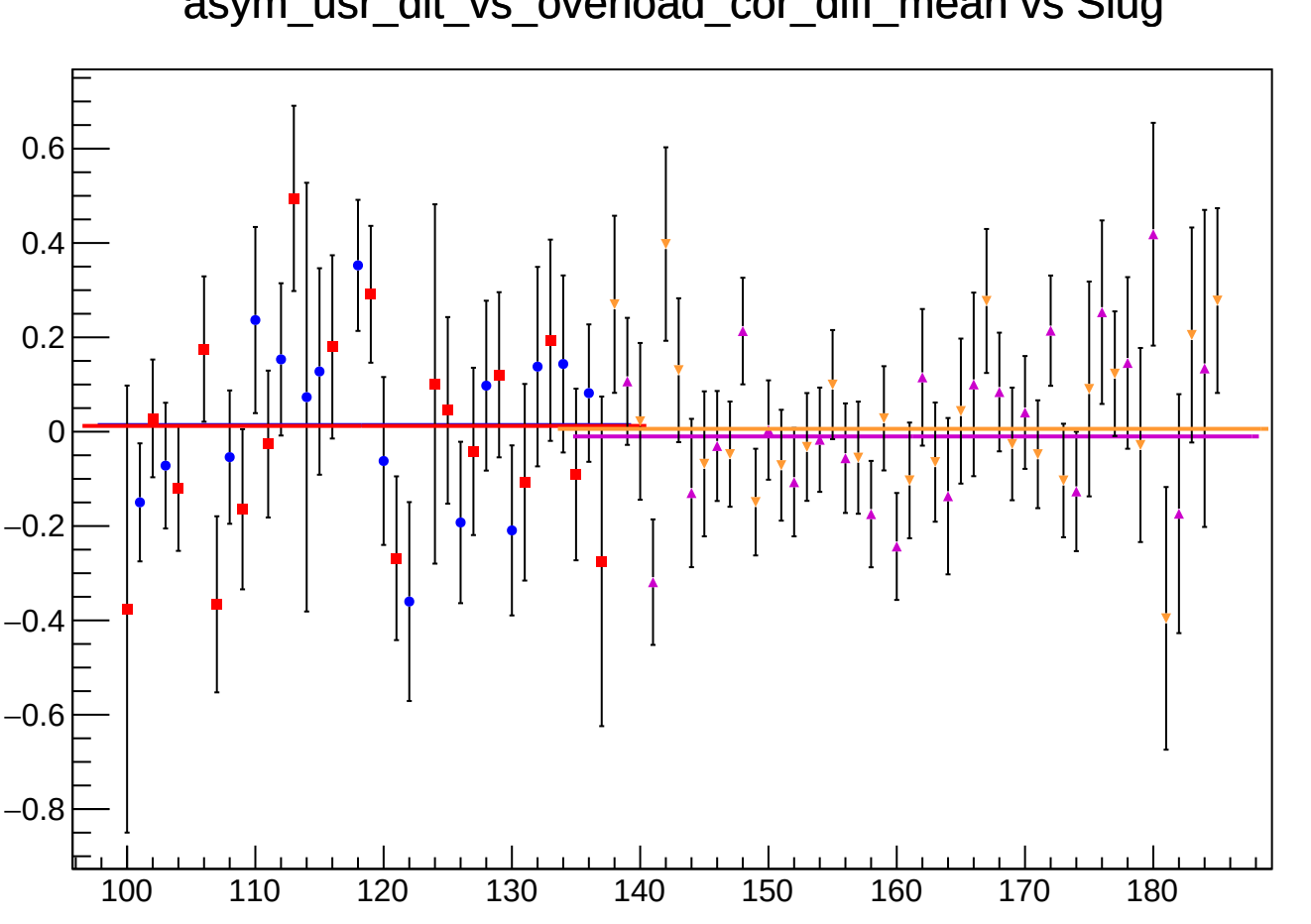
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

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

+ sign 81.588+/-0.012 χ^2/NDF: 2652681.9/40

All: 81.417+/-0.008 χ^2/NDF: 4662331.0/82

- 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: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

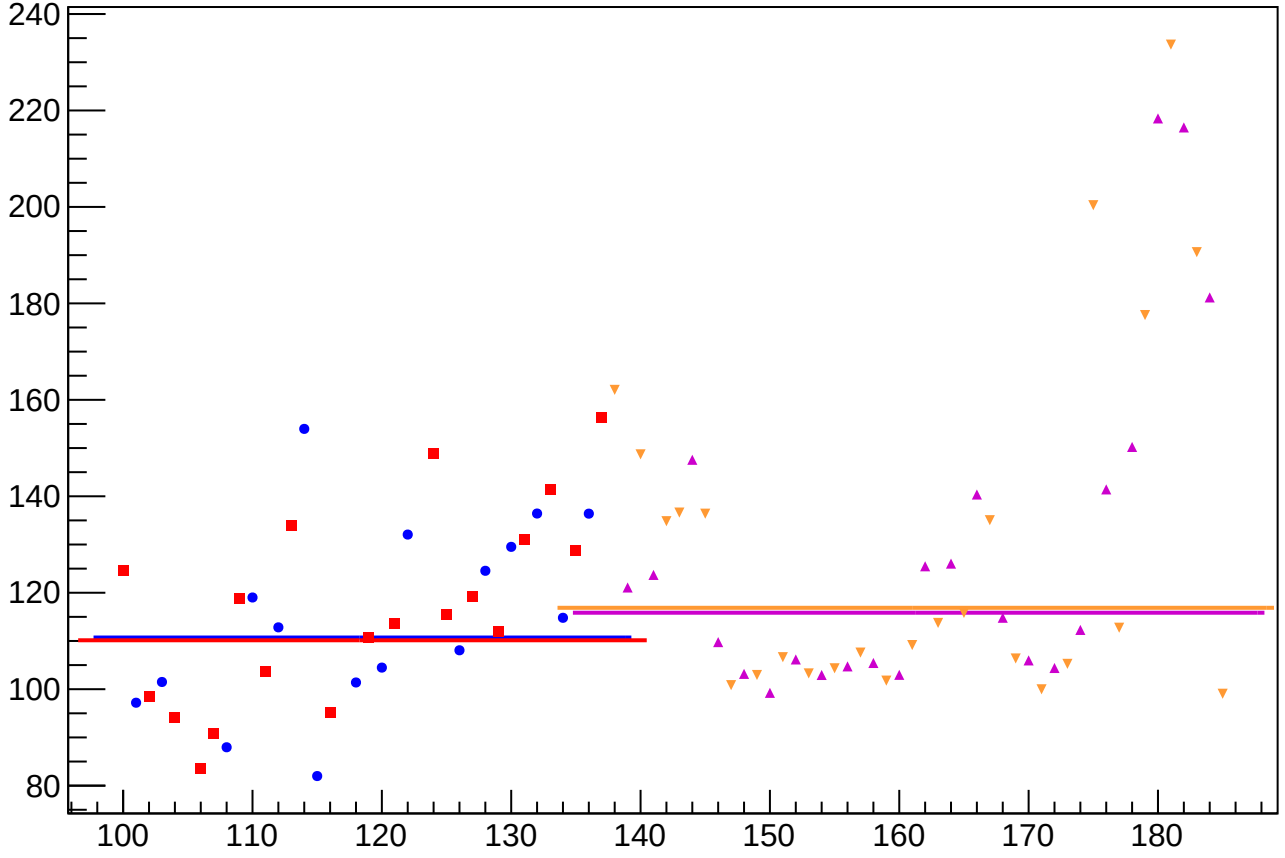
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.008+/-0.023 χ^2/NDF: 39.5/40

All: 0.003+/-0.016 χ^2/NDF: 94.9/82

- 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: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

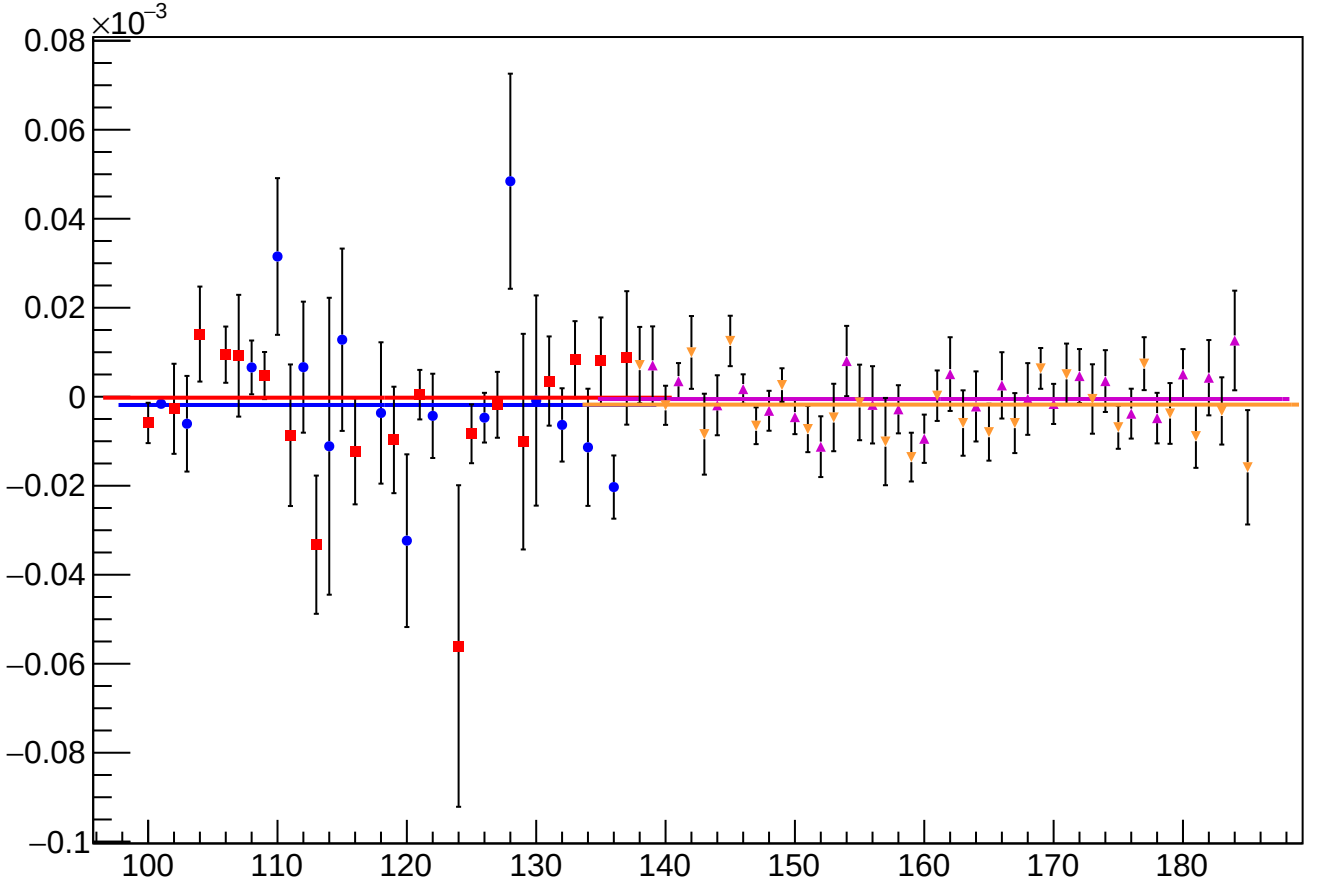
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 115.022+/-0.016 χ^2/NDF: 1926634.1/40

All: 114.535+/-0.012 χ^2/NDF: 3512621.6/82

- 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:31.1/24

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

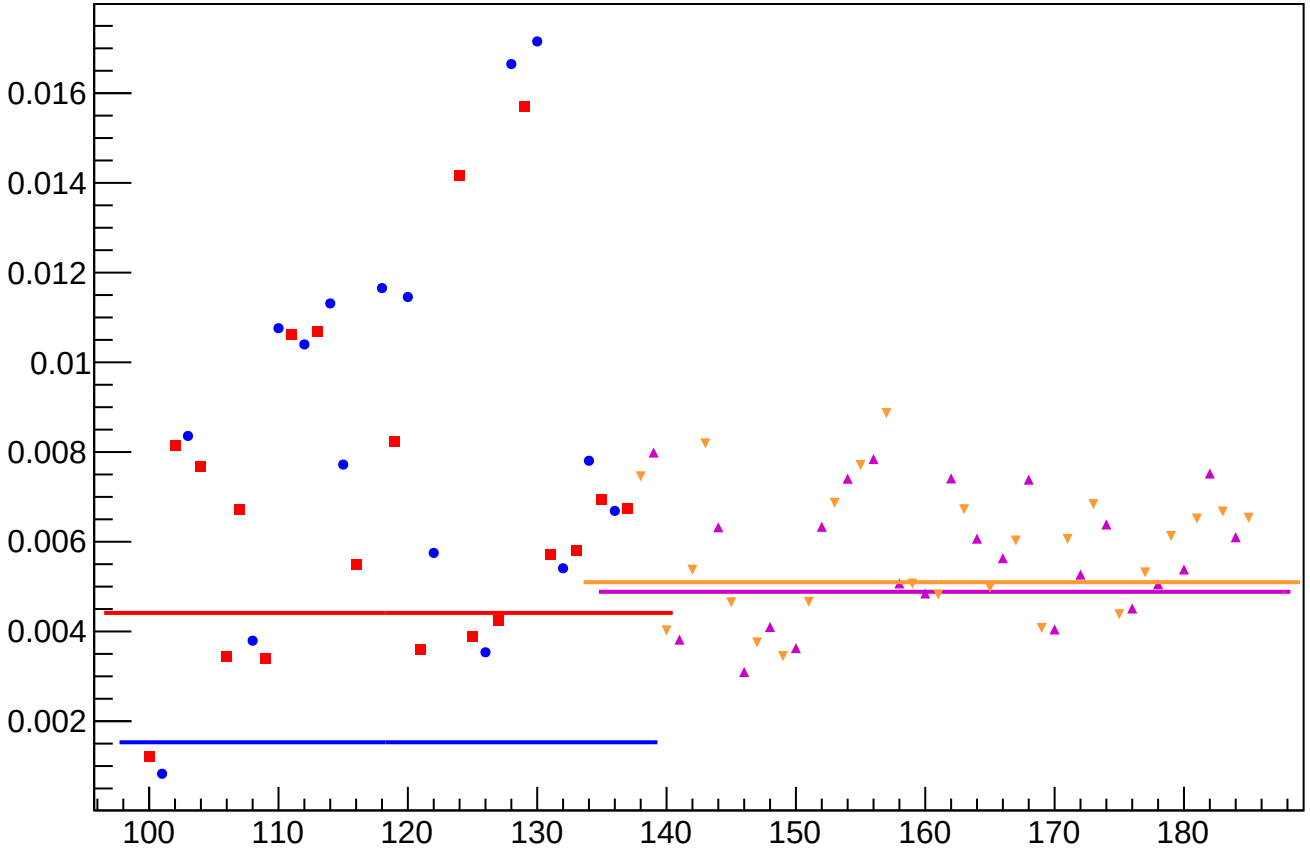
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.4/40

All: -0.000+/-0.000 χ^2/NDF: 89.1/82

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

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

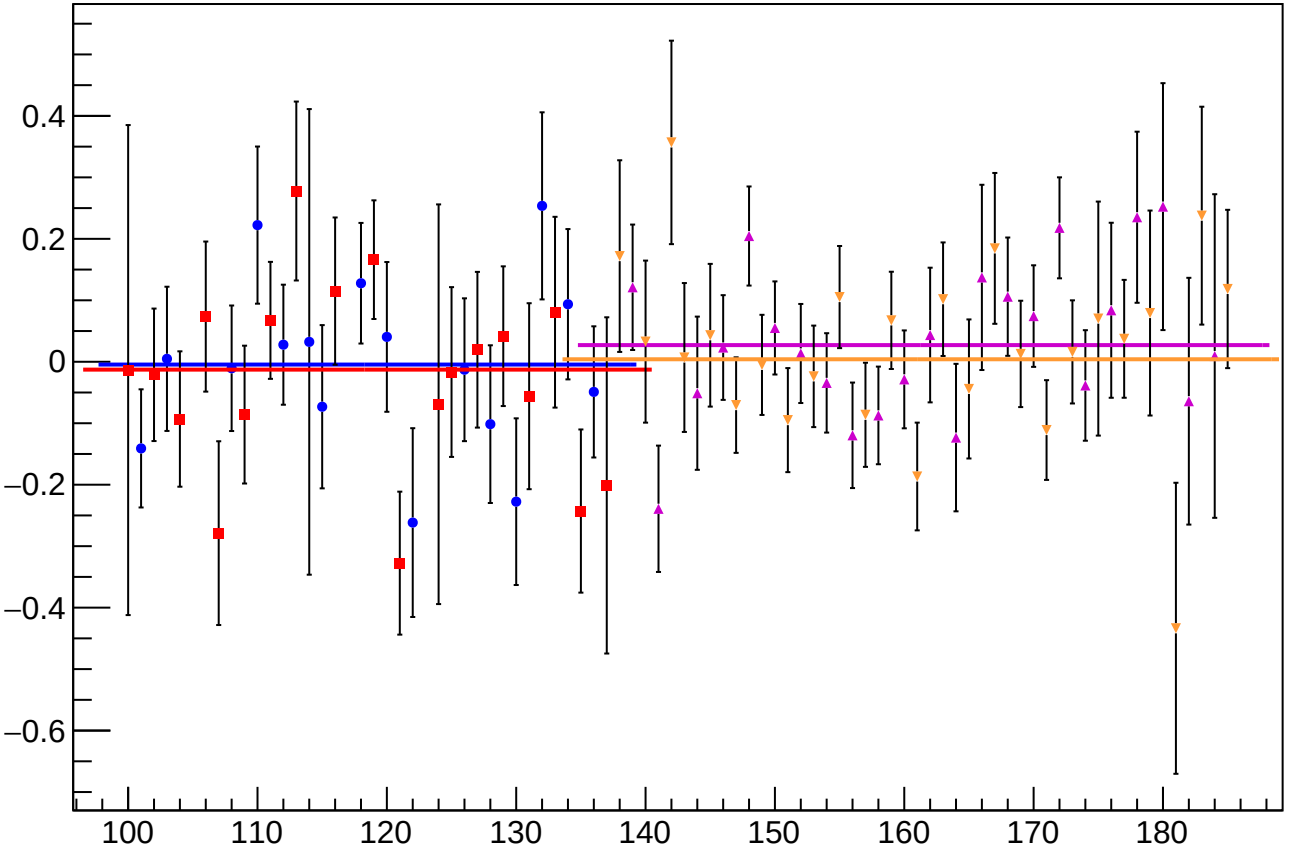
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 22153273.5/40

All: 0.004+/-0.000 χ^2/NDF: 32499901.9/82

- sign 0.005+/-0.000 χ^2/NDF: 6199914.8/41

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

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

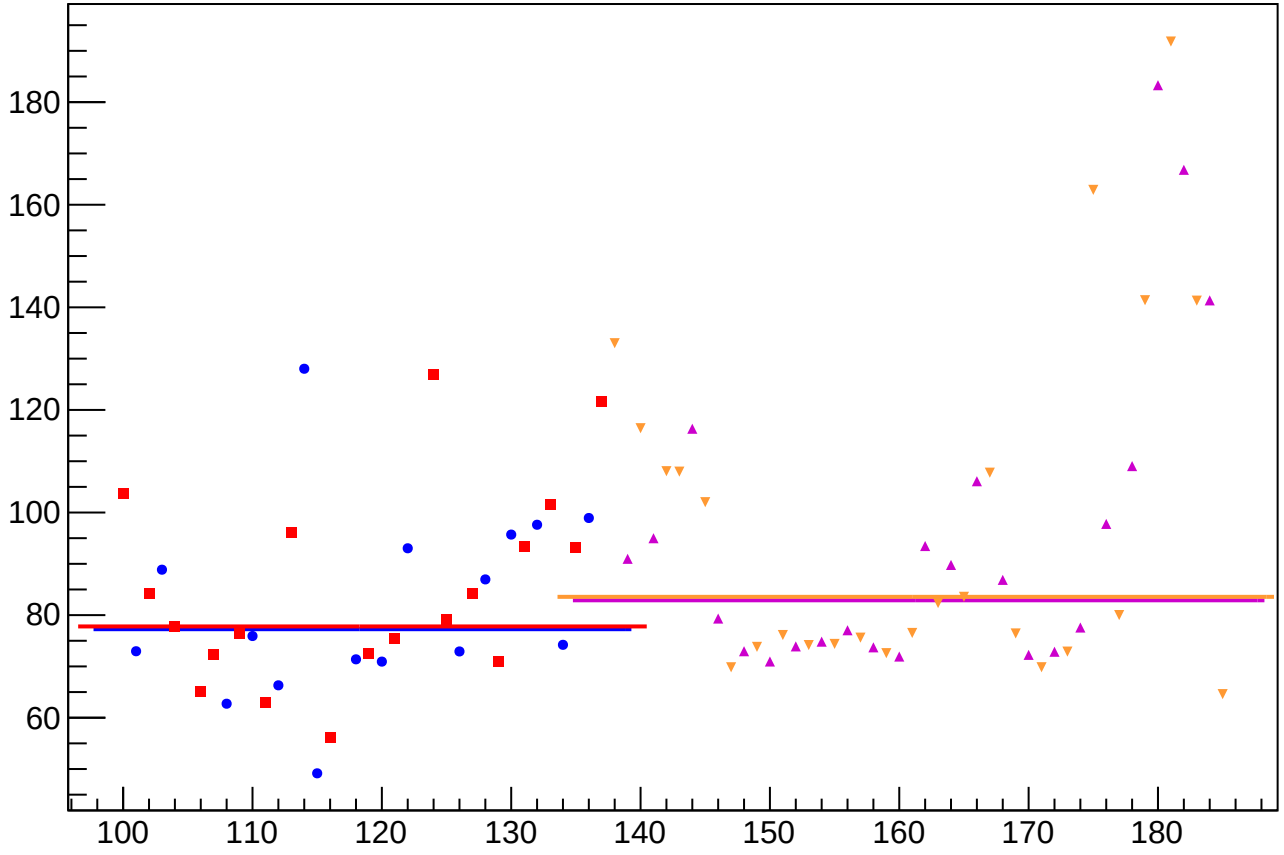
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.5/40

All: 0.008+/-0.012 χ^2/NDF: 104.5/82

- sign 0.014+/-0.017 χ^2/NDF: 58.6/41

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

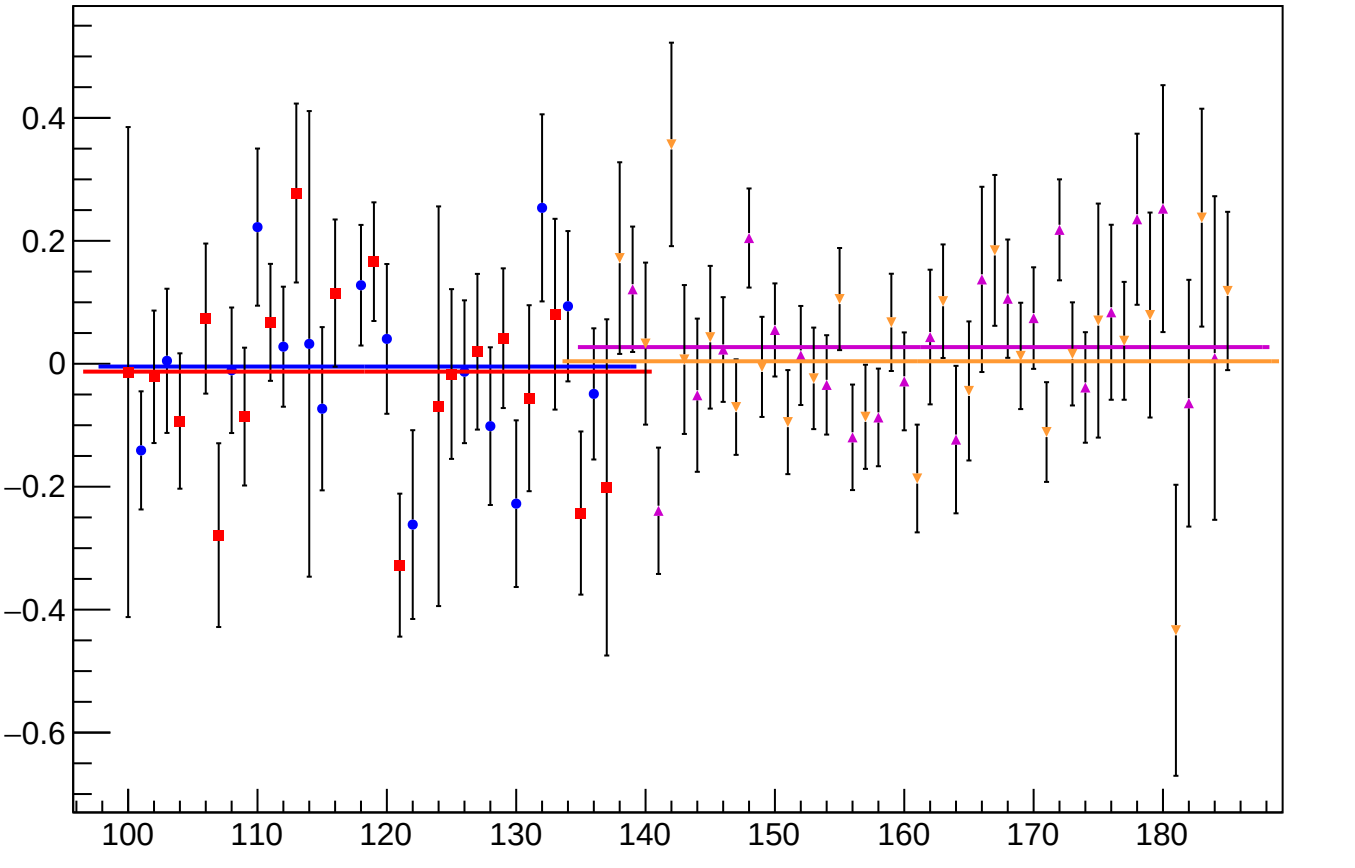
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

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

+ sign 81.588+/-0.012 χ^2/NDF: 2652702.8/40

All: 81.416+/-0.008 χ^2/NDF: 4662360.3/82

- 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: 0.004+/-0.020 χ^2/NDF:28.2/24

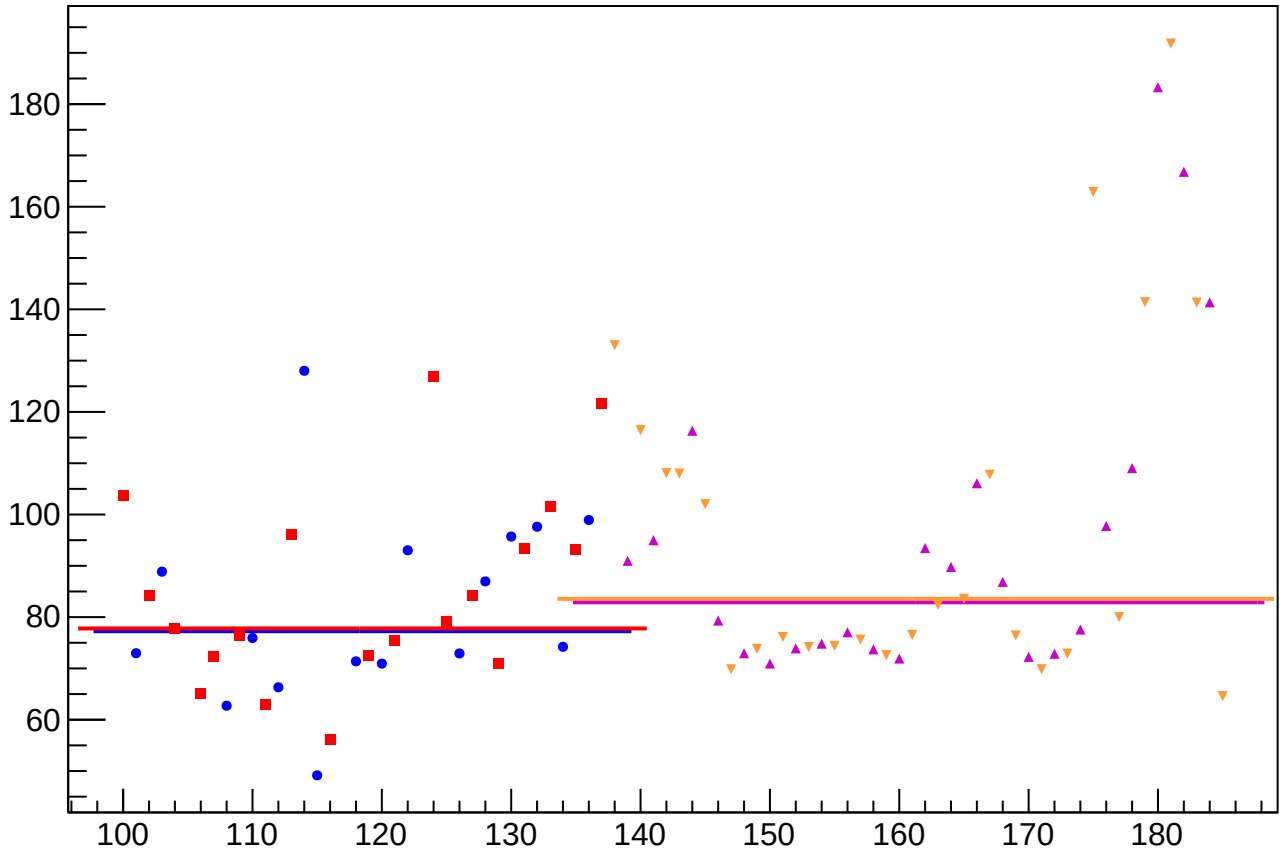
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

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

+ sign 0.001+/-0.017 χ^2/NDF: 45.5/40

All: 0.008+/-0.012 χ^2/NDF: 104.5/82

- 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: 83.565+/-0.014 χ^2/NDF:2172921.0/24

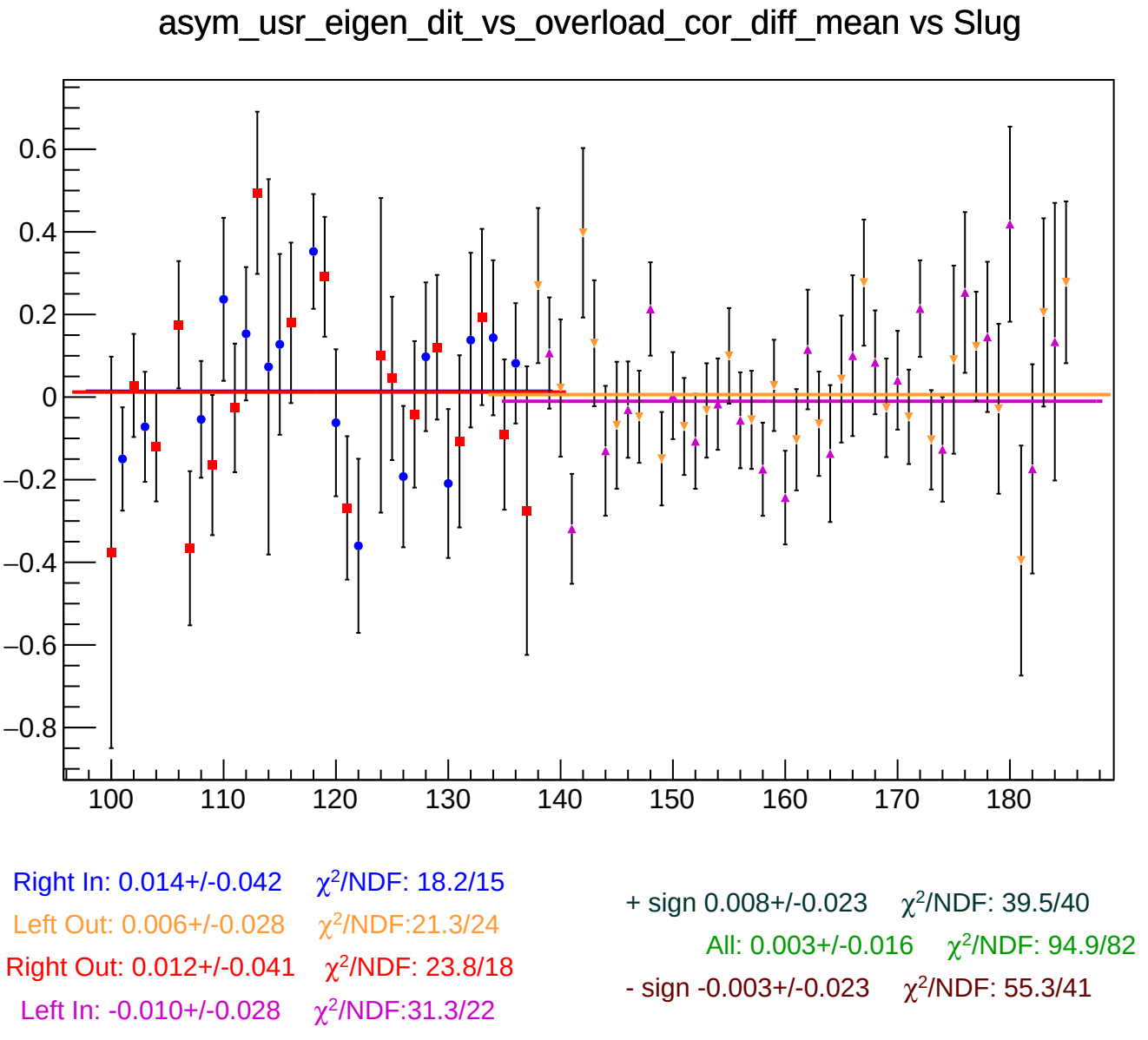
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

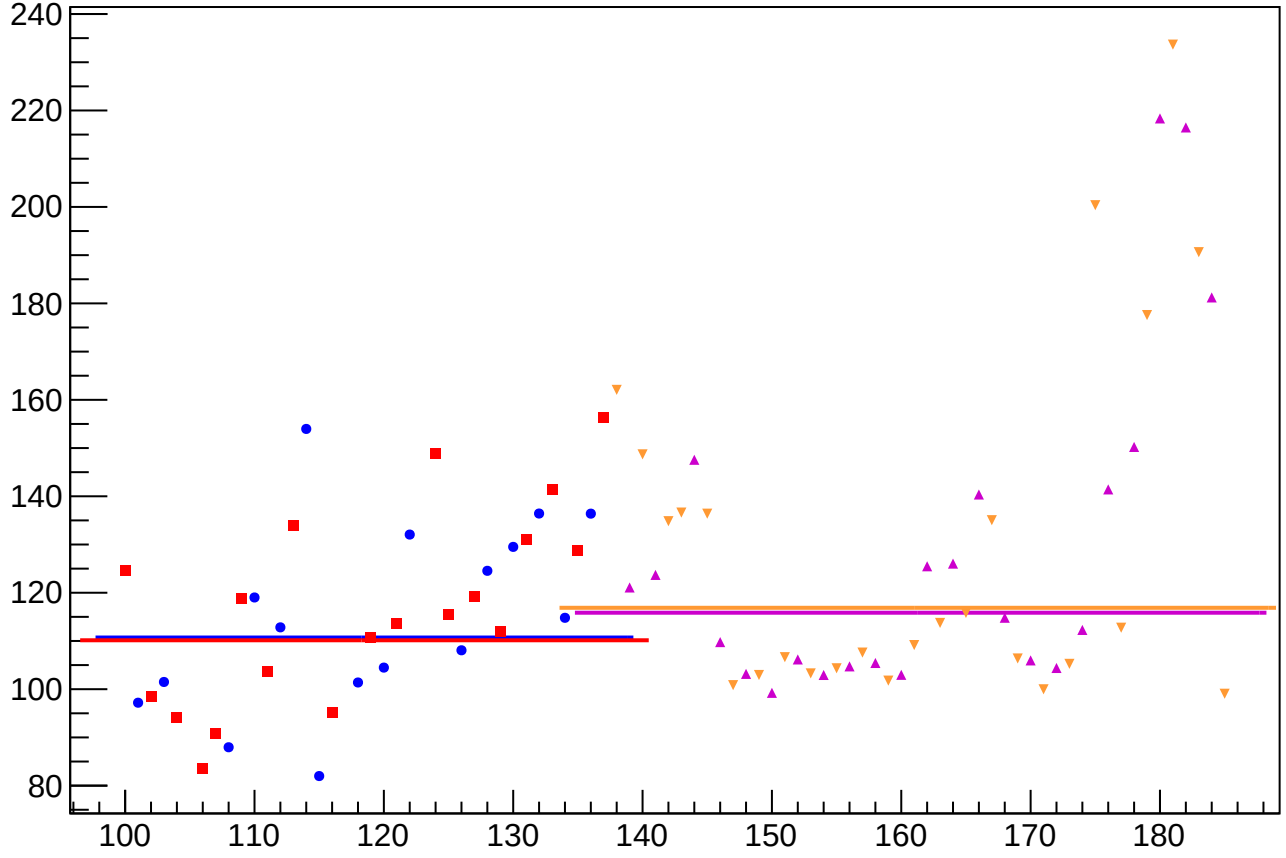
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.588+/-0.012 χ^2/NDF: 2652702.8/40

All: 81.416+/-0.008 χ^2/NDF: 4662360.3/82

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


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.006+/-0.028 χ²/NDF:21.3/24
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.010+/-0.028 χ²/NDF:31.3/22
+ sign 0.008+/-0.023 χ²/NDF: 39.5/40
All: 0.003+/-0.016 χ²/NDF: 94.9/82
- sign -0.003+/-0.023 χ²/NDF: 55.3/41



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

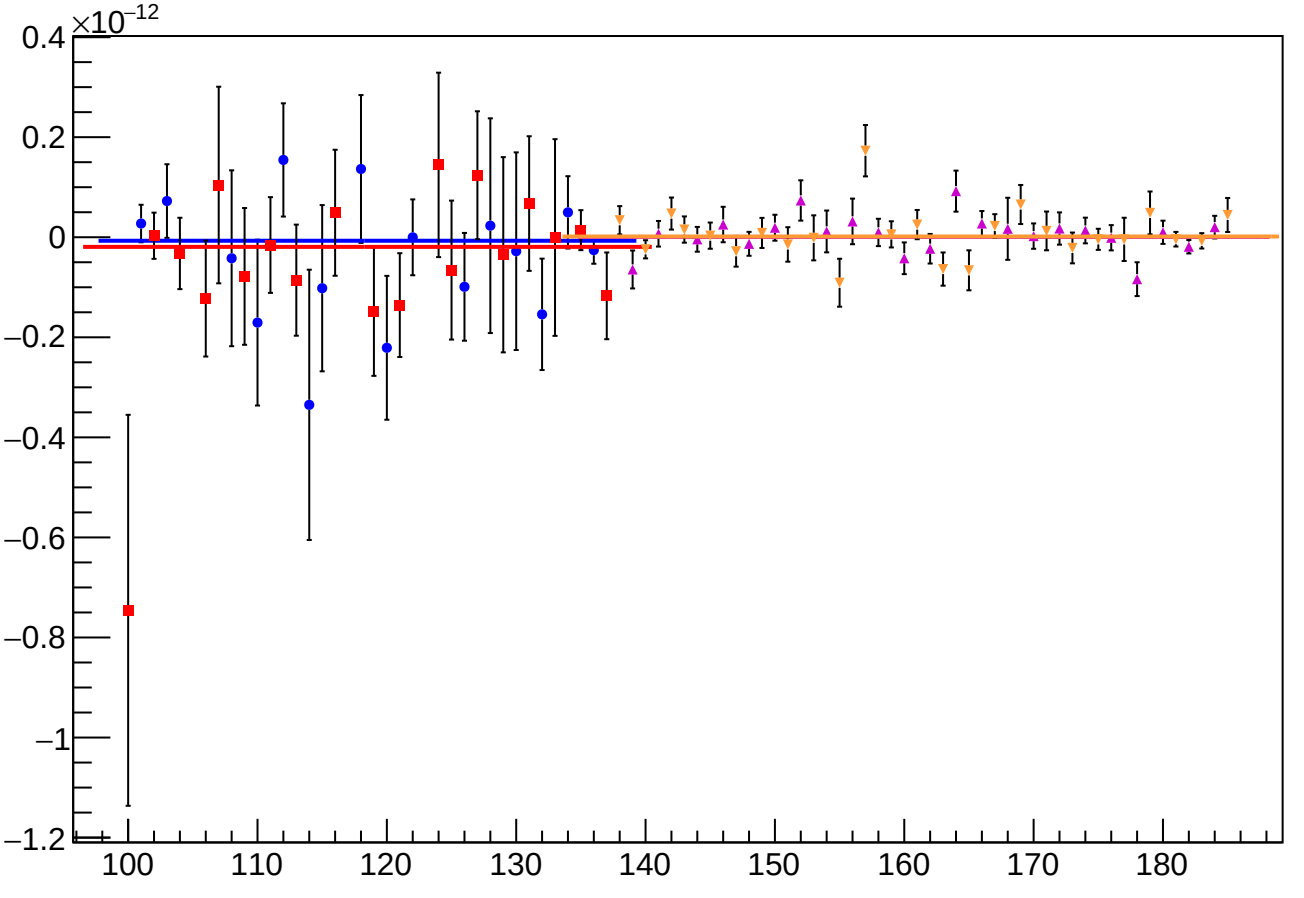
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 115.022+/-0.016 χ^2/NDF: 1926616.9/40

All: 114.535+/-0.012 χ^2/NDF: 3512575.2/82

- sign 114.045+/-0.016 χ^2/NDF: 1584191.2/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

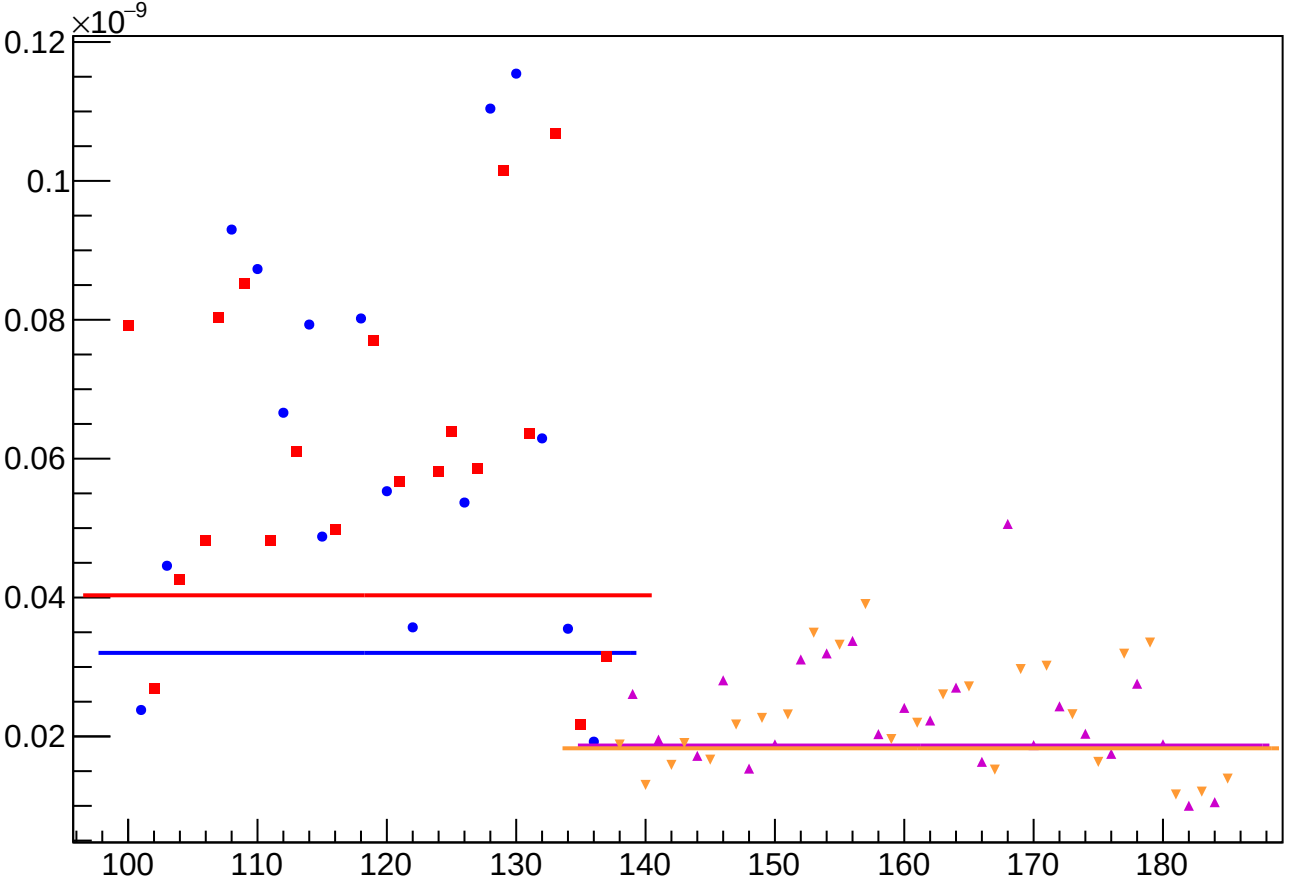
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.4/40

All: 0.000+/-0.000 χ^2/NDF: 90.6/82

- 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:3029080.3/24

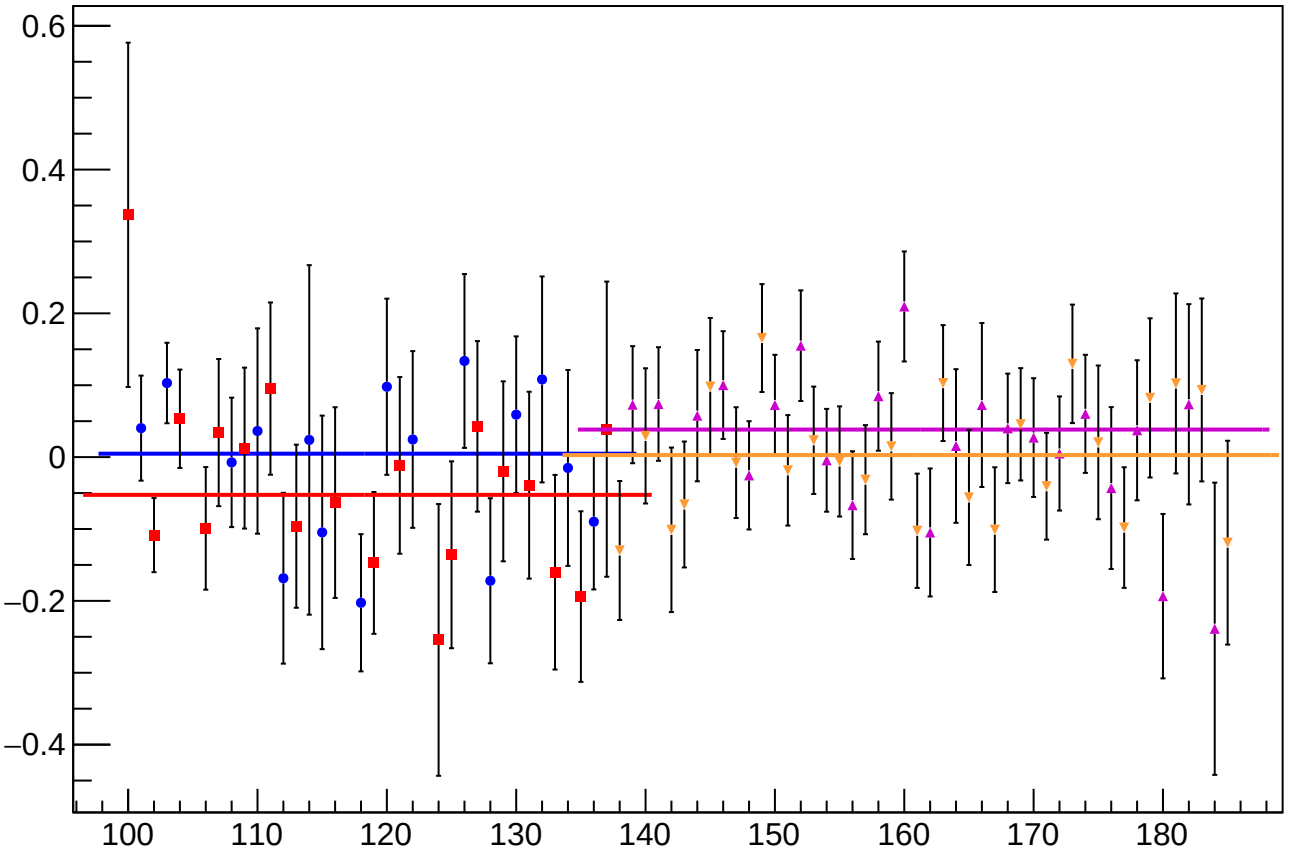
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

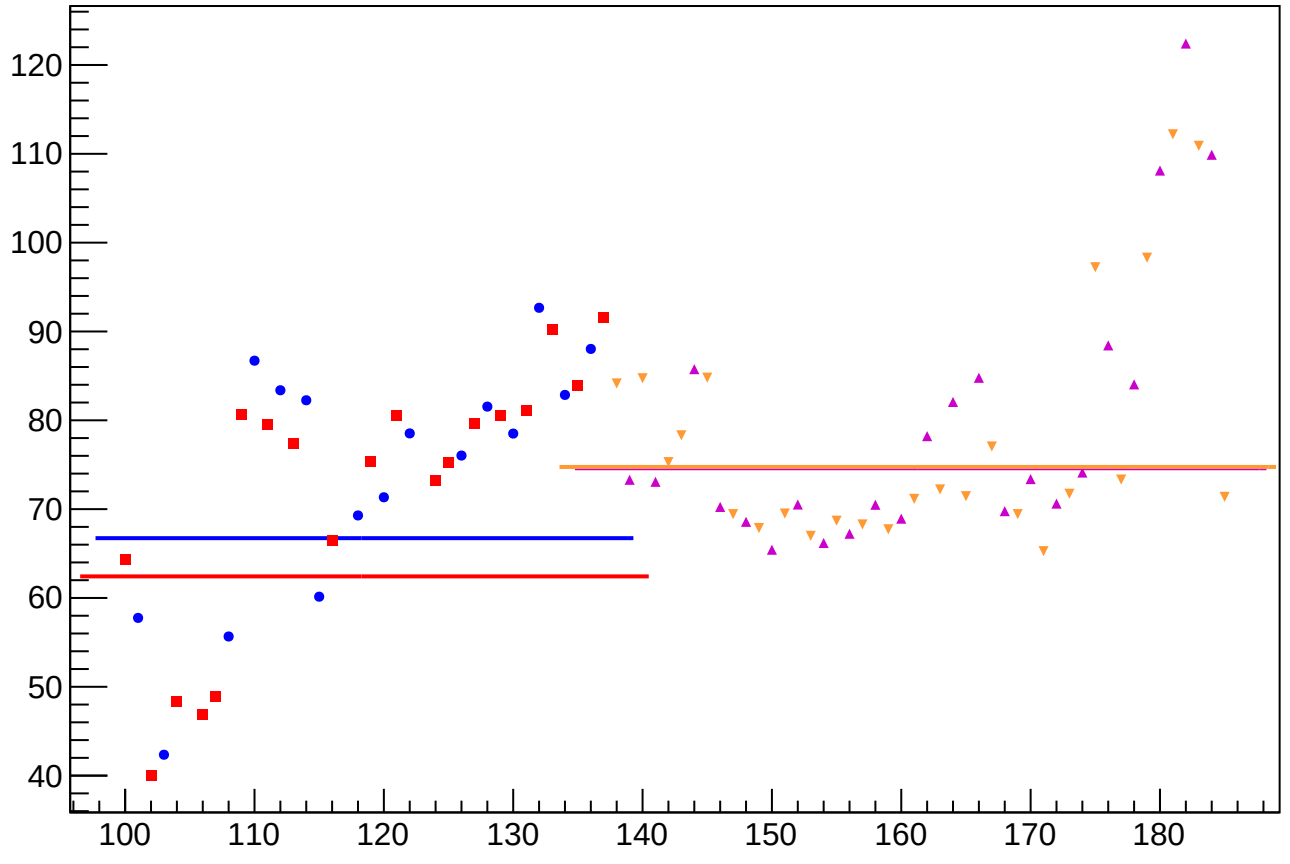
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6565842.2/40

All: 0.000+/-0.000 χ^2/NDF: 13316700.7/82

- sign 0.000+/-0.000 χ^2/NDF: 6734223.4/41


asym_usr_overload_cor_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.003+/-0.017 χ²/NDF:21.5/24
Right Out: -0.053+/-0.024 χ²/NDF: 14.8/18
Left In: 0.038+/-0.018 χ²/NDF:21.6/22
+ sign 0.003+/-0.014 χ²/NDF: 38.1/40
All: 0.005+/-0.010 χ²/NDF: 83.7/82
- sign 0.006+/-0.014 χ²/NDF: 45.6/41



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

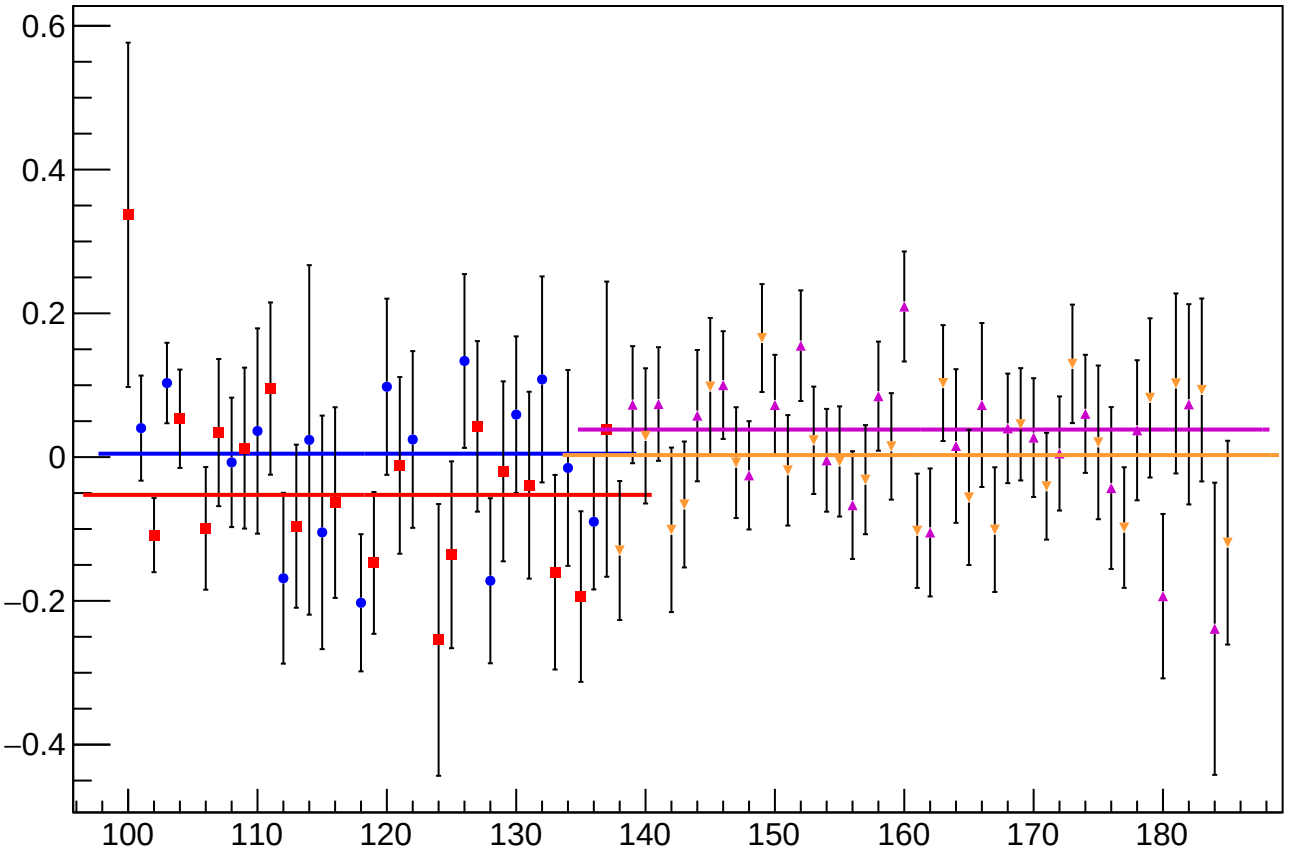
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 72.251+/-0.010 χ^2/NDF: 1693029.7/40

All: 71.257+/-0.007 χ^2/NDF: 3868909.5/82

- sign 70.278+/-0.010 χ^2/NDF: 2157134.0/41



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

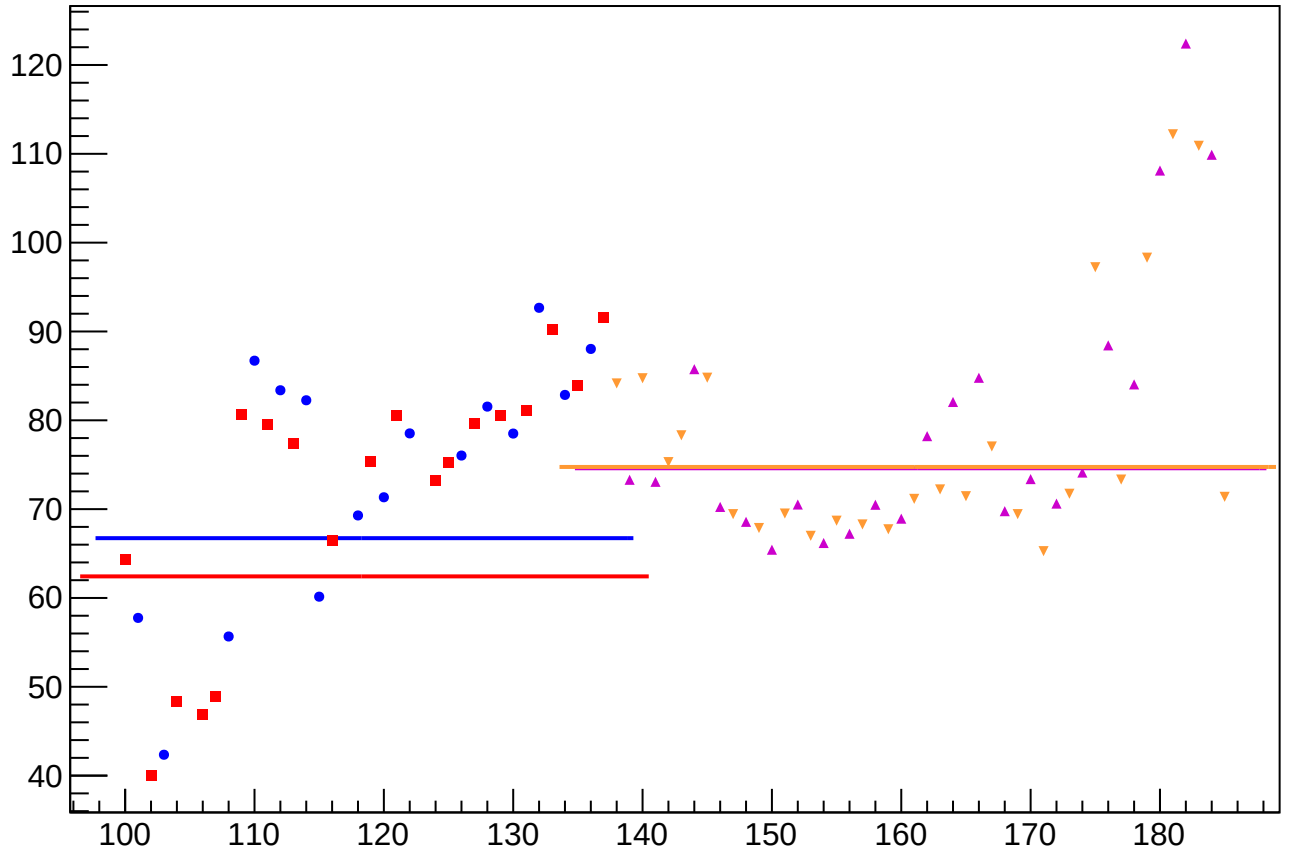
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.003+/-0.014 χ^2/NDF: 38.1/40

All: 0.005+/-0.010 χ^2/NDF: 83.7/82

- sign 0.006+/-0.014 χ^2/NDF: 45.6/41



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

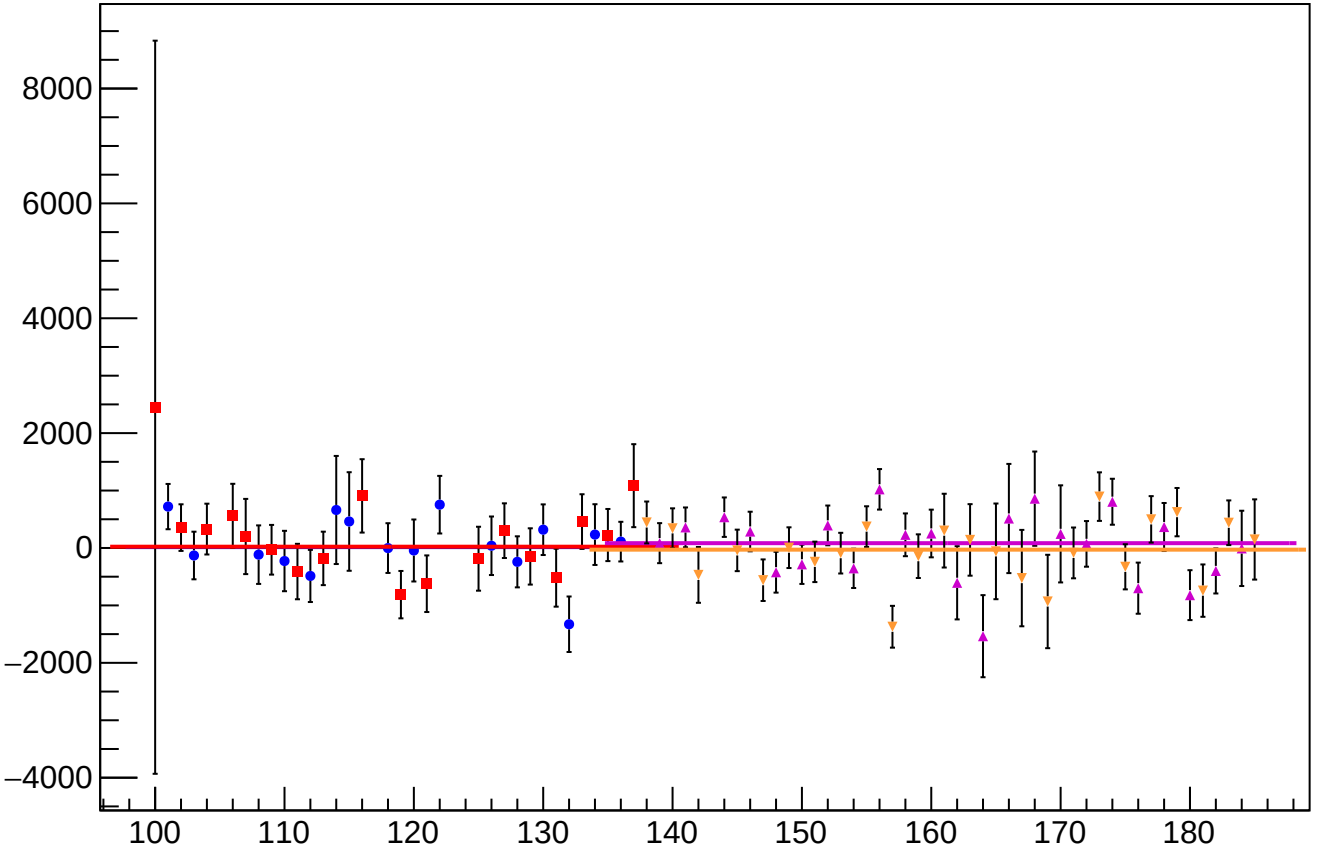
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 72.251+/-0.010 χ^2/NDF: 1693029.7/40

All: 71.257+/-0.007 χ^2/NDF: 3868909.5/82

- sign 70.278+/-0.010 χ^2/NDF: 2157134.0/41

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

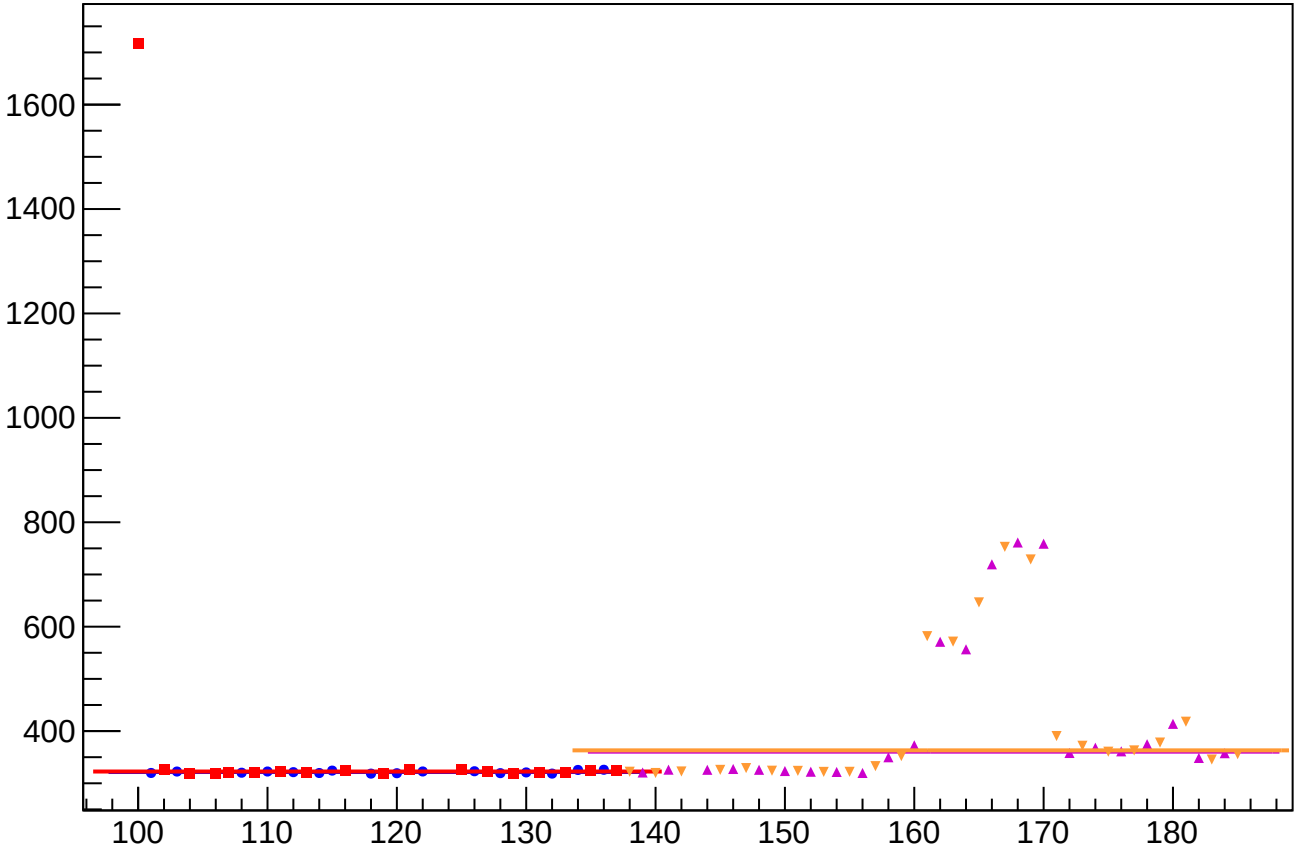
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -13.903+/-70.071 χ^2/NDF: 53.2/39

All: 24.333+/-49.522 χ^2/NDF: 105.8/80

- 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: 363.079+/-0.061 χ^2/NDF:1795570.0/23

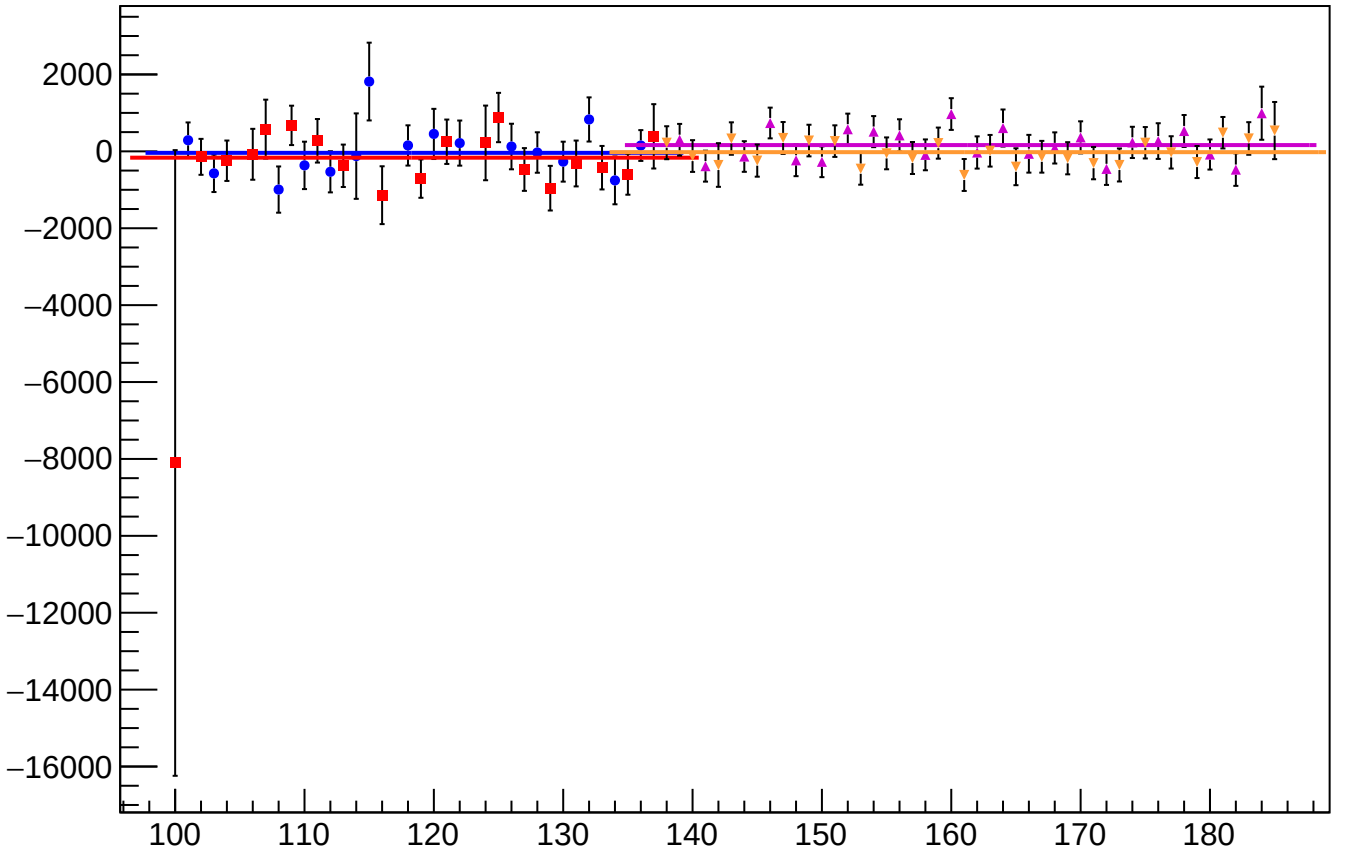
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

\+ sign 348.802+/-0.050 χ^2/NDF: 1954562.4/39

All: 348.137+/-0.035 χ^2/NDF: 4002886.3/80

\- 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: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

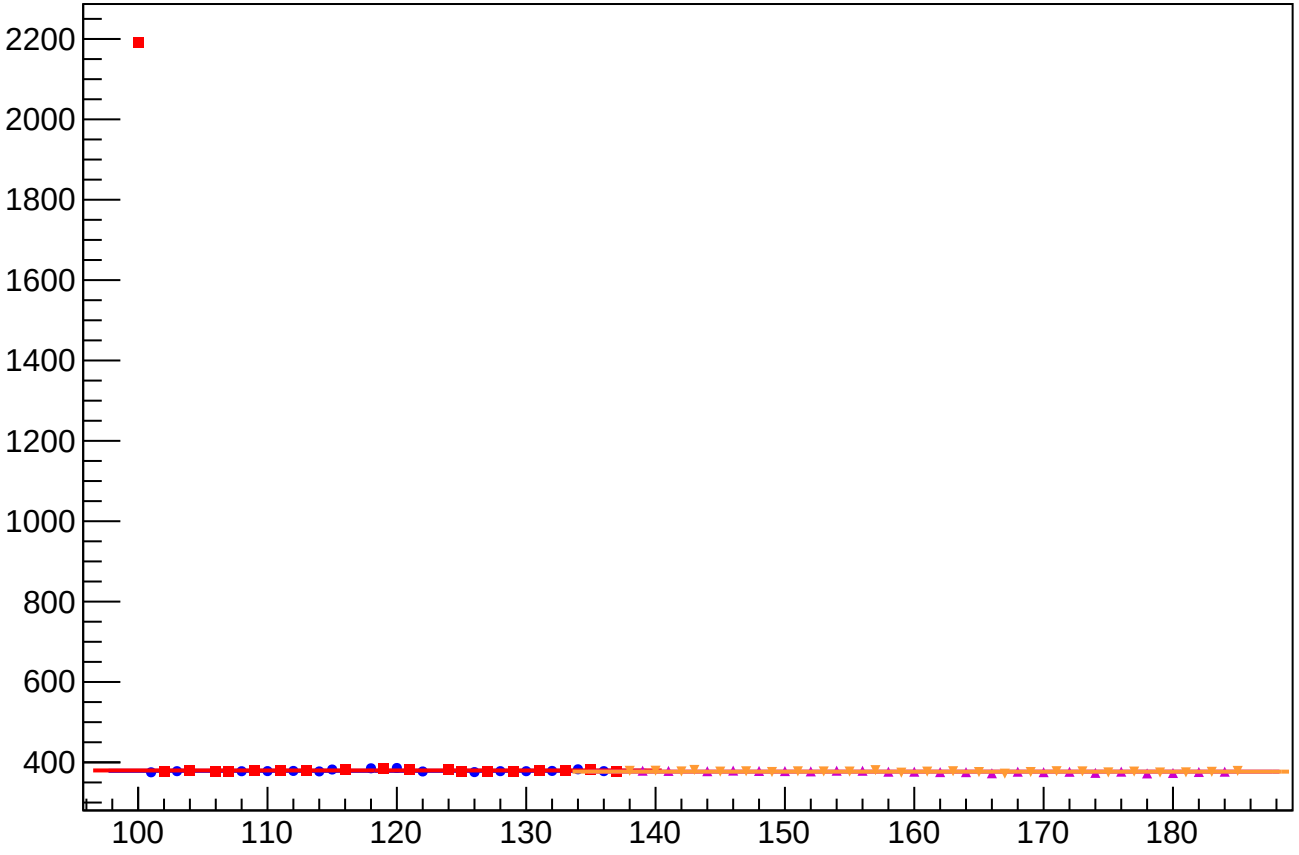
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -25.884+/-73.144 χ^2/NDF: 26.3/40

All: 20.898+/-52.139 χ^2/NDF: 68.0/82

- 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: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

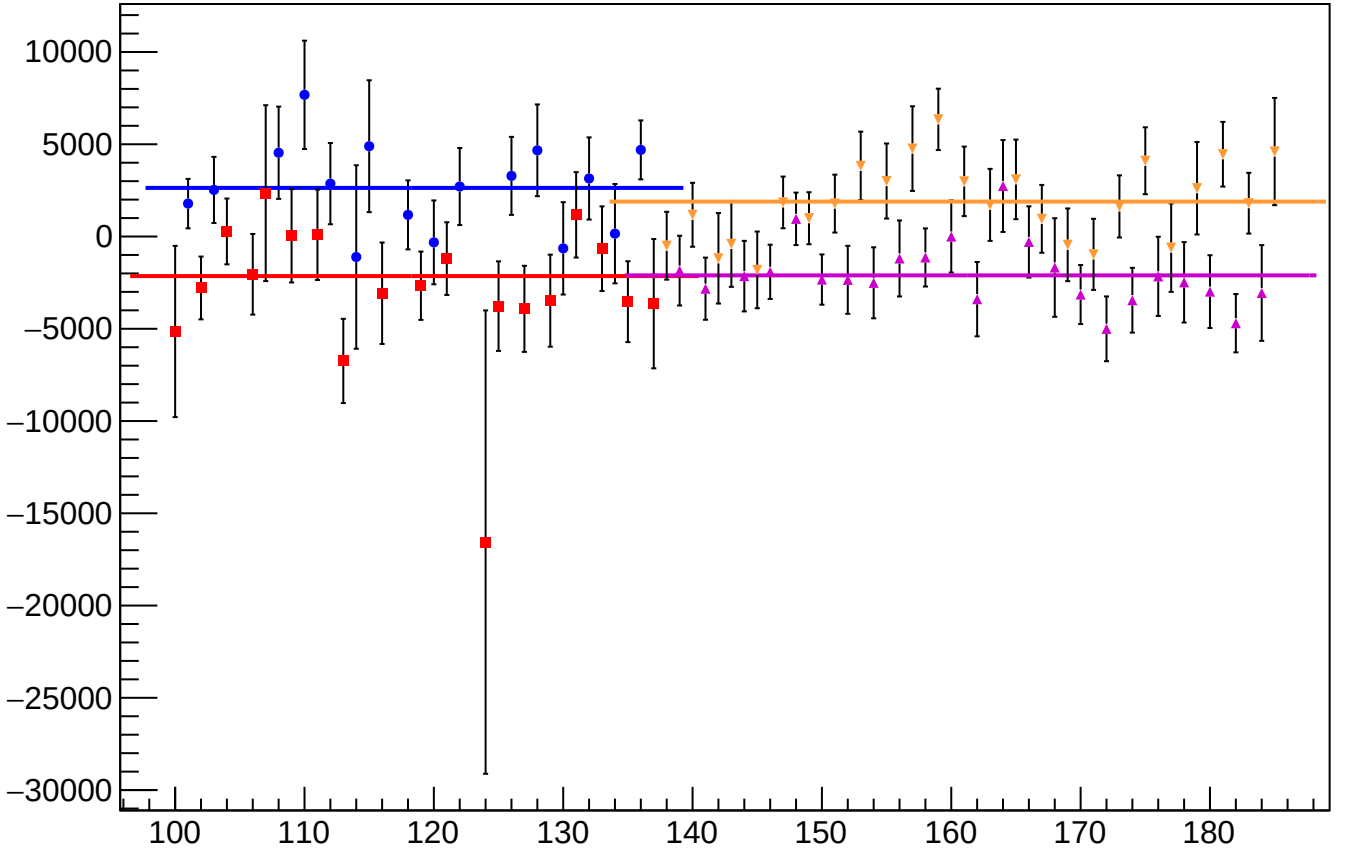
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.447+/-0.052 χ^2/NDF: 2205.6/40

All: 377.578+/-0.037 χ^2/NDF: 103593.8/82

- 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: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

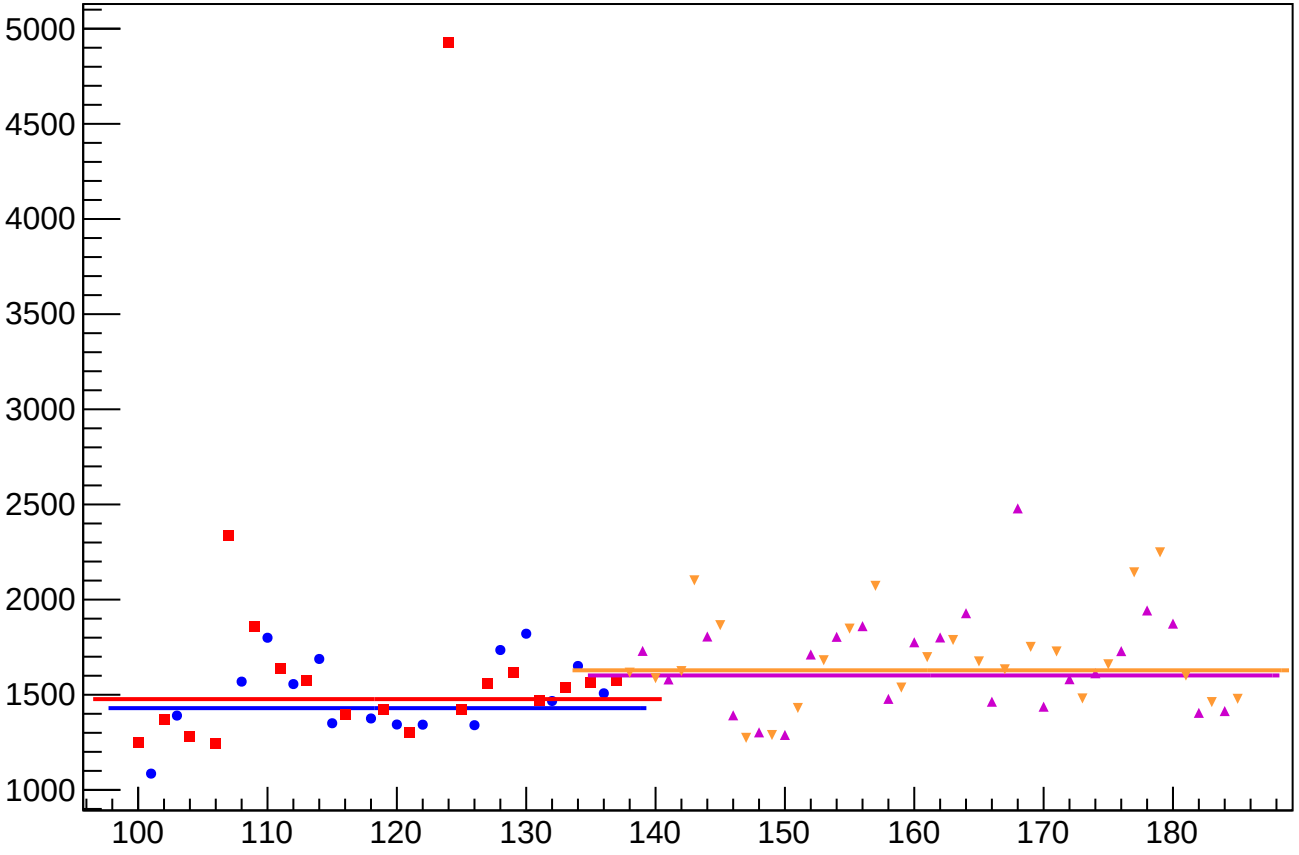
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2134.772+/-307.807 χ^2/NDF: 41.9/40

All: 34.027+/-218.964 χ^2/NDF: 169.8/82

- 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: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

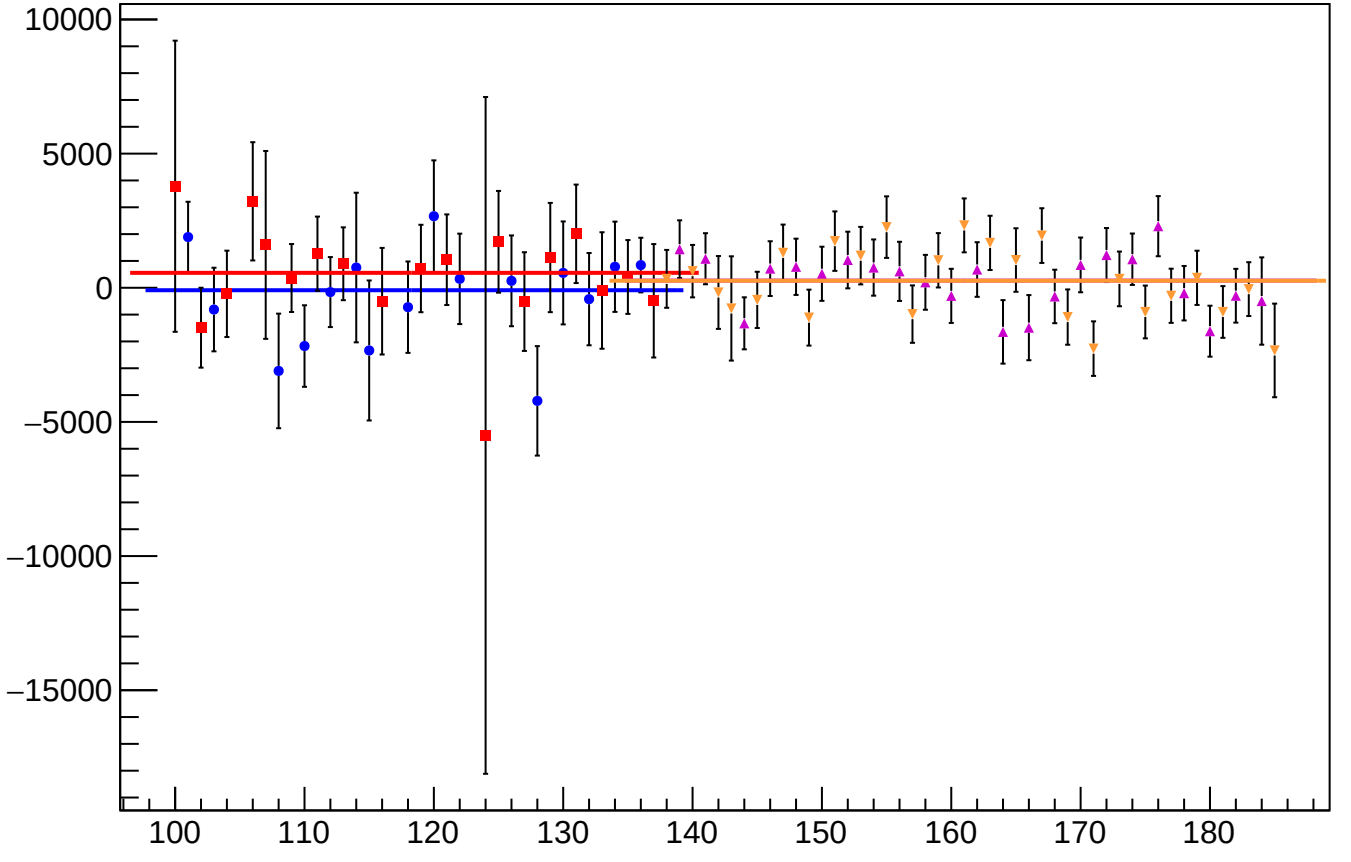
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1563.404+/-0.218 χ^2/NDF: 1256211.8/40

All: 1562.288+/-0.155 χ^2/NDF: 2489275.2/82

- 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: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

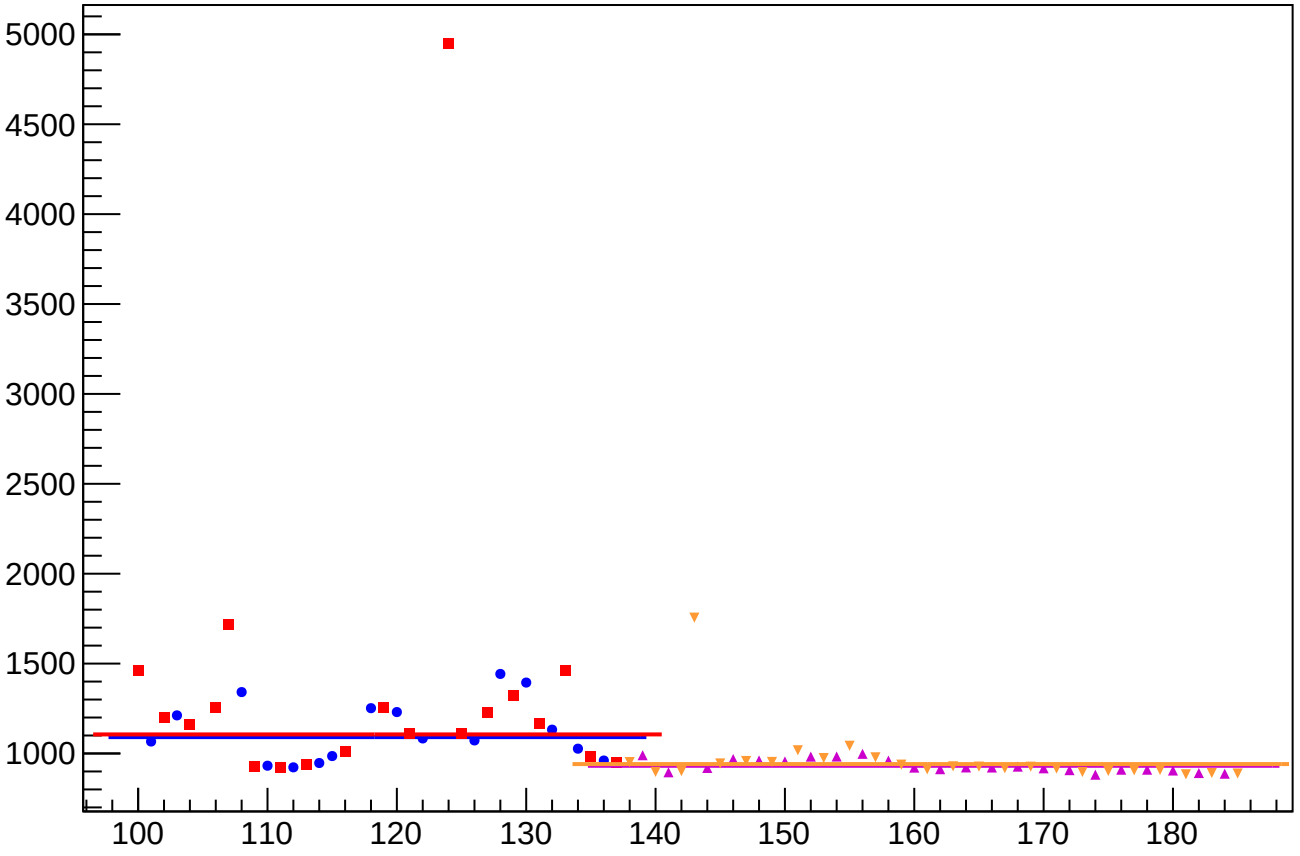
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 186.109+/-190.378 χ^2/NDF: 49.0/40

All: 257.520+/-135.328 χ^2/NDF: 77.8/82

- 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: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

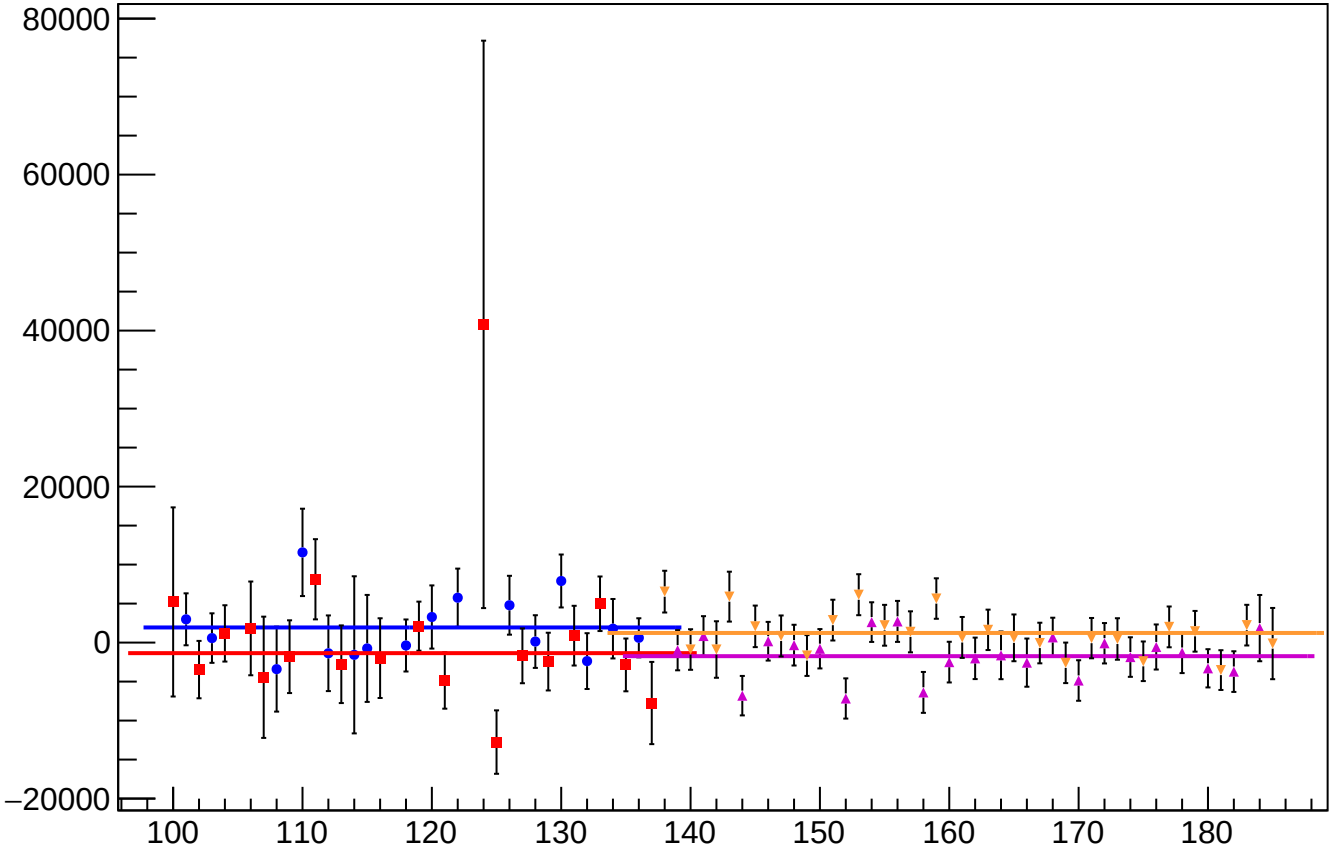
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

\+ sign 973.367+/-0.135 χ^2/NDF: 905104.6/40

All: 971.571+/-0.096 χ^2/NDF: 1749602.8/82

\- 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: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

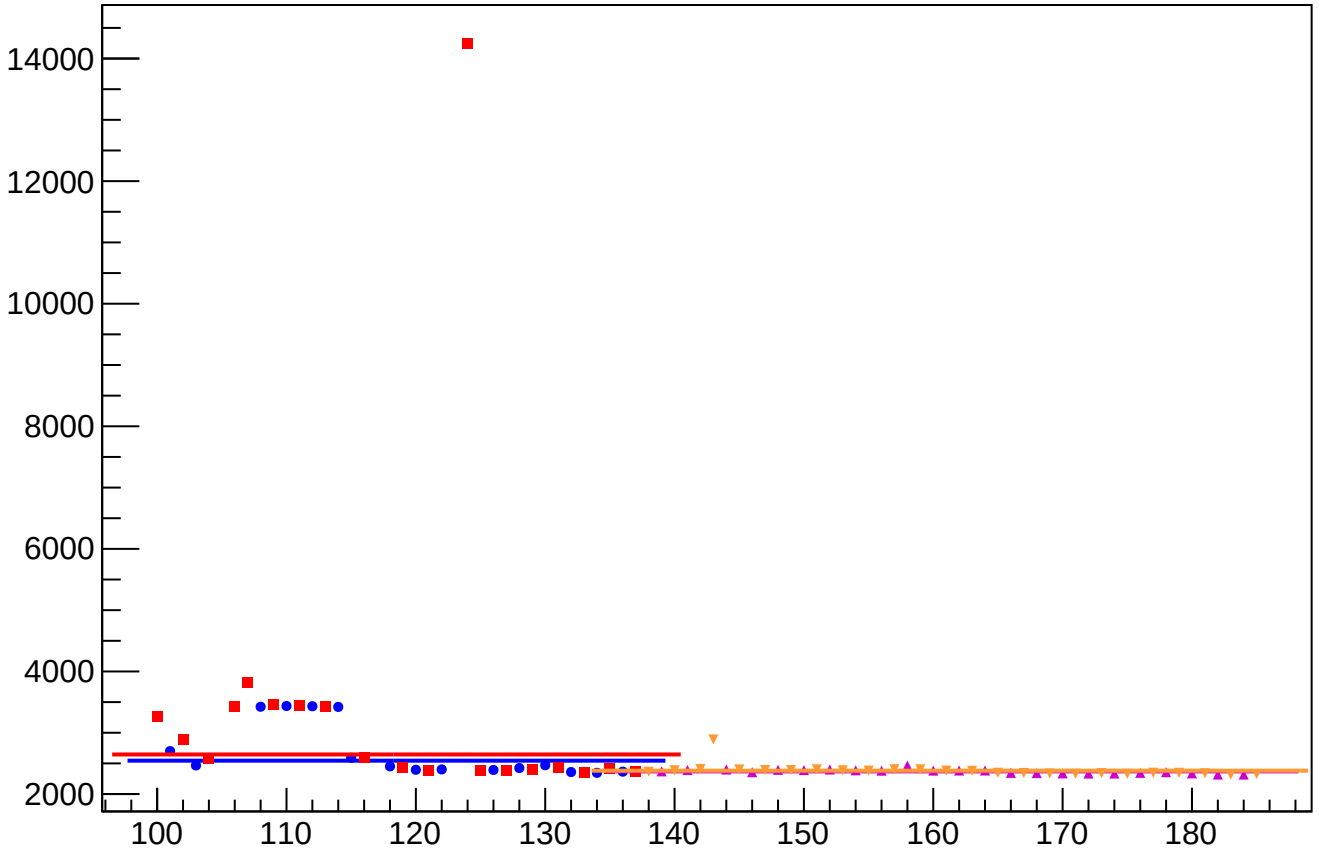
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1406.799+/-470.612 χ^2/NDF: 36.5/40

All: -83.169+/-336.858 χ^2/NDF: 103.4/82

- 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: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

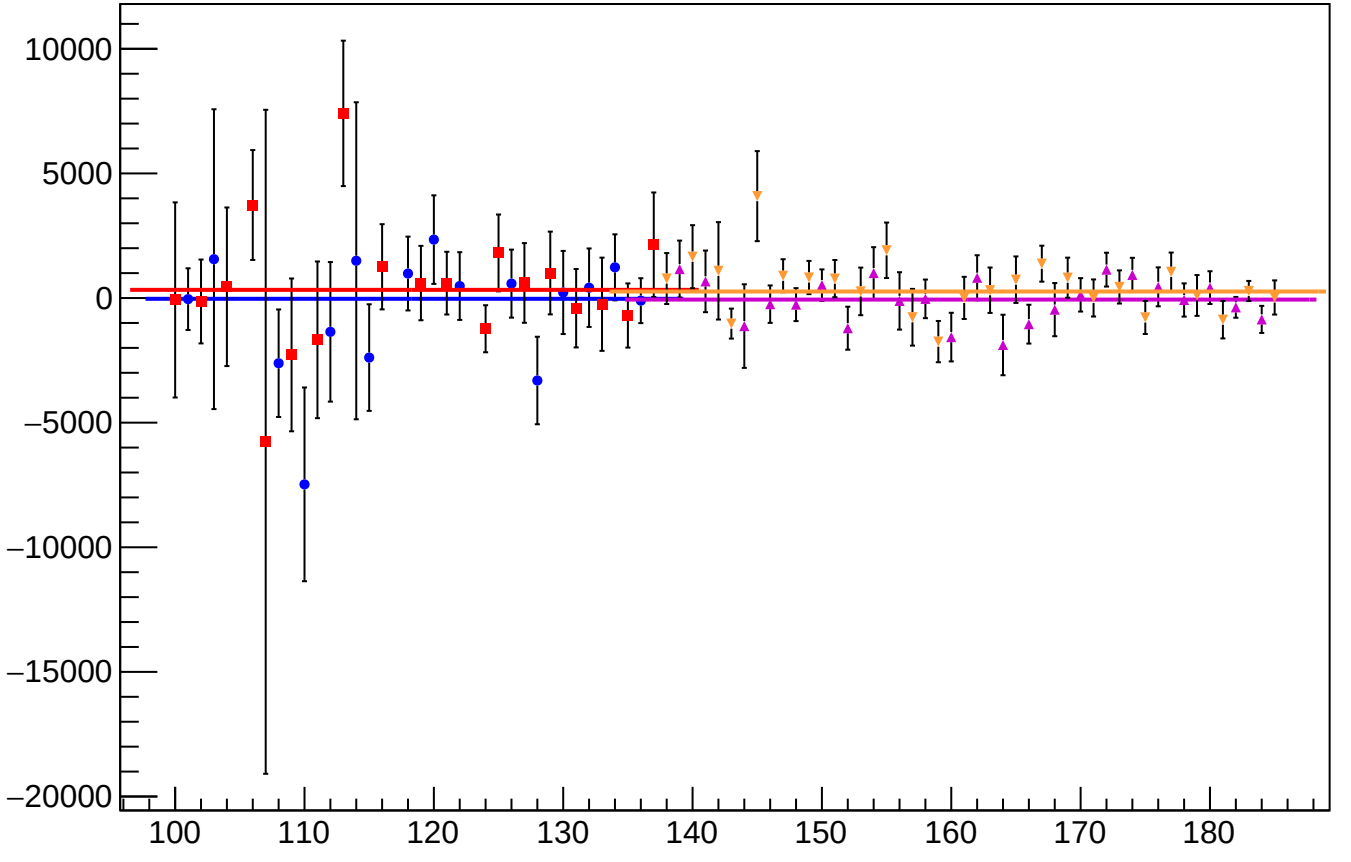
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2421.067+/-0.333 χ^2/NDF: 327605.1/40

All: 2428.167+/-0.238 χ^2/NDF: 992111.4/82

- sign 2435.626+/-0.341 χ^2/NDF: 663572.9/41

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

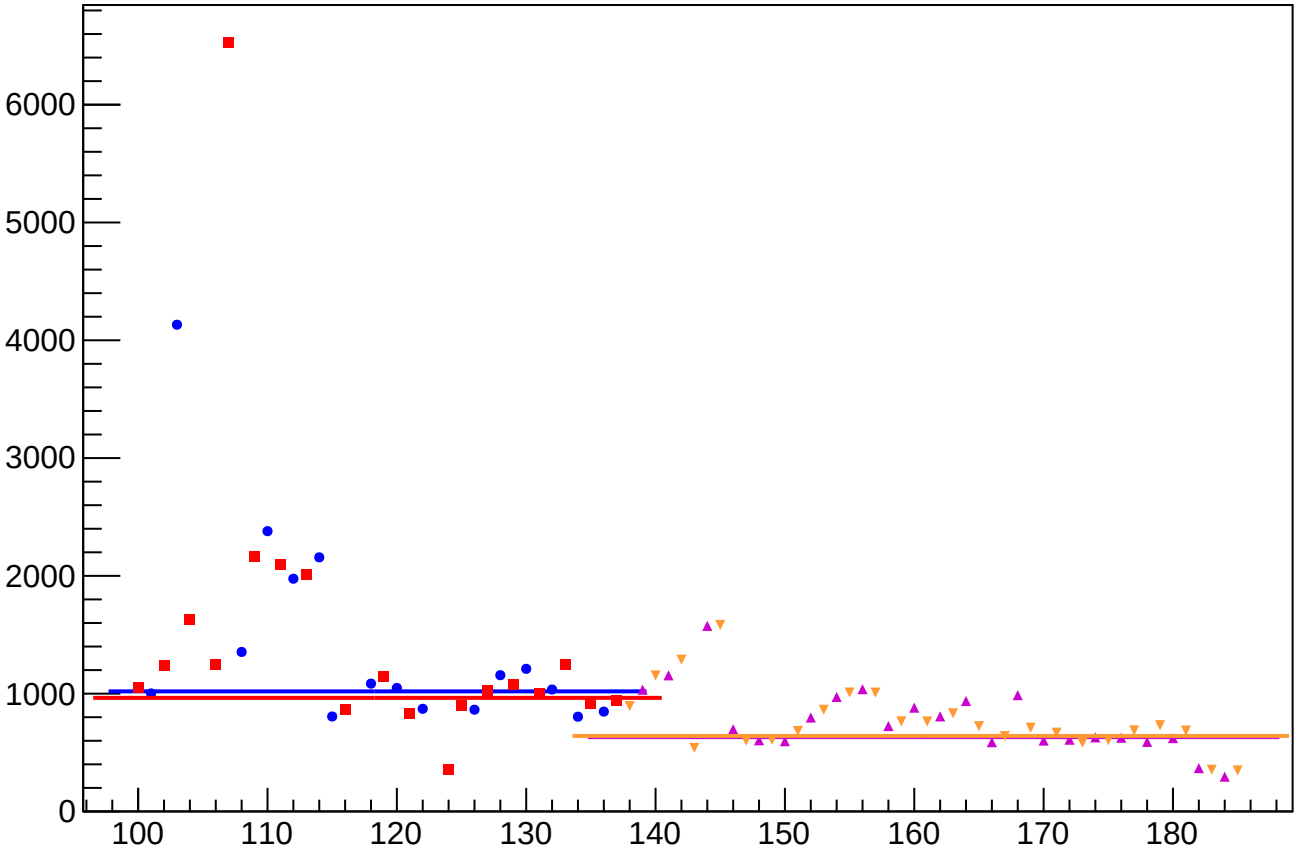
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 224.967+/-143.985 χ^2/NDF: 45.3/40

All: 109.782+/-102.653 χ^2/NDF: 85.1/82

- 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: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

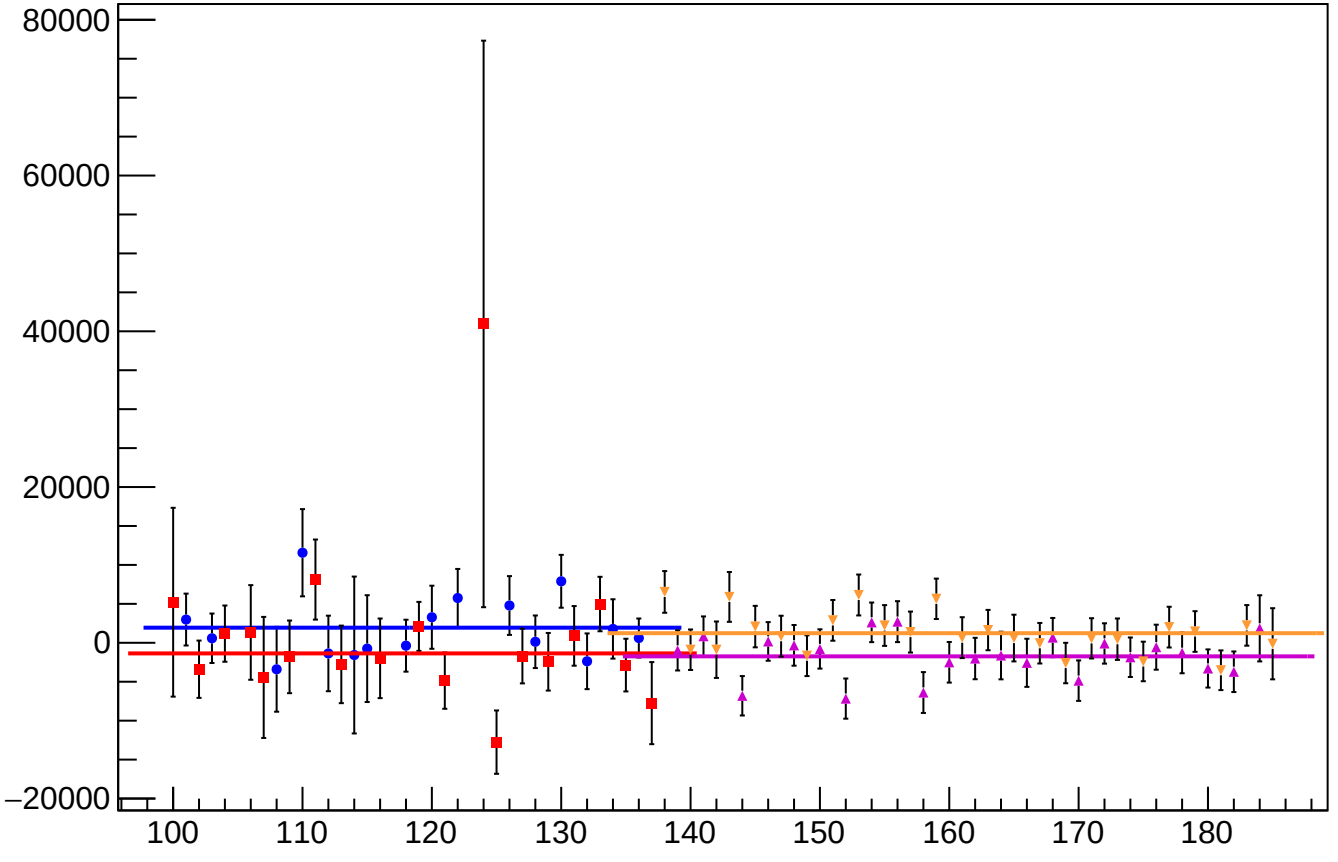
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 688.808+/-0.102 χ^2/NDF: 6359907.7/40

All: 682.583+/-0.073 χ^2/NDF: 13861368.7/82

- 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: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

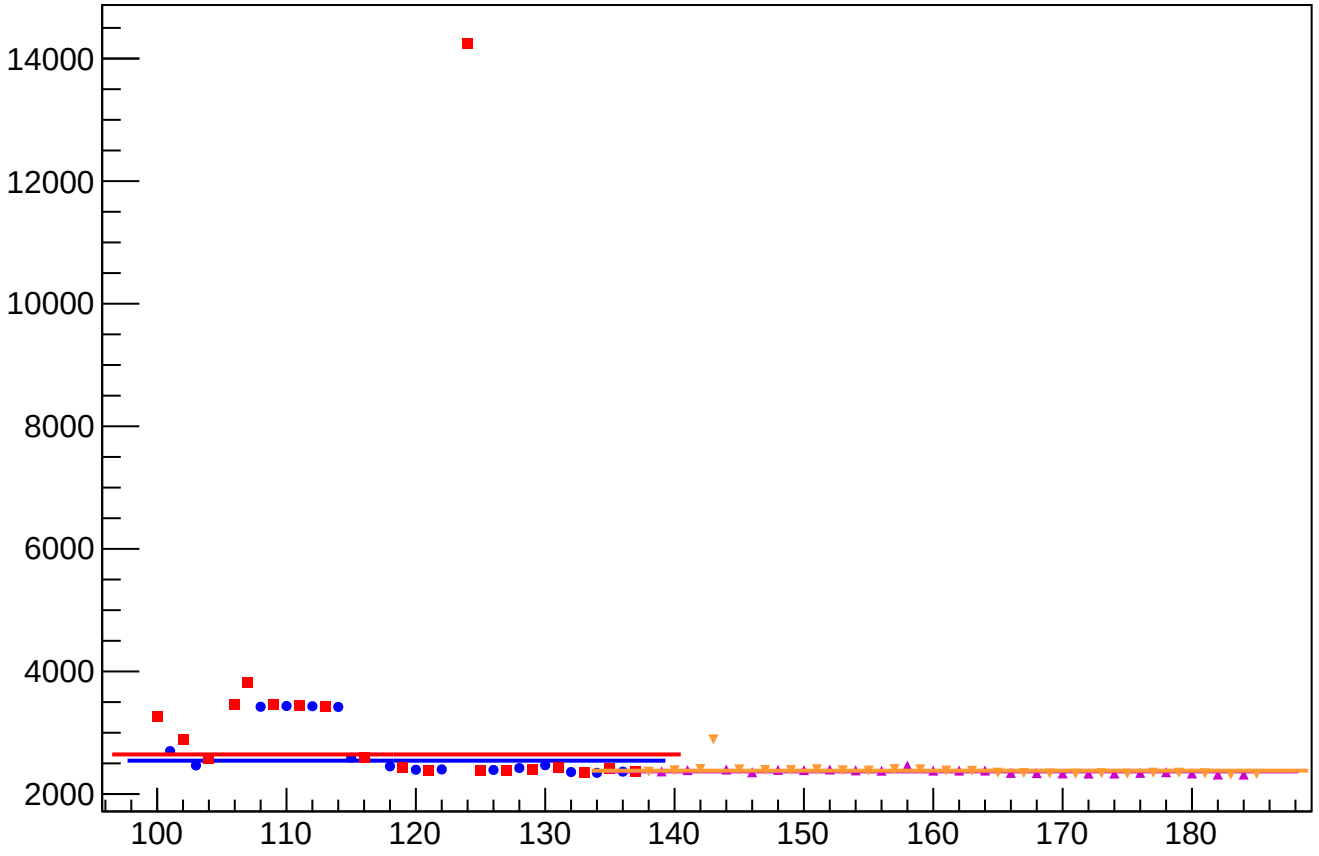
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1406.867+/-470.612 χ^2/NDF: 36.5/40

All: -84.192+/-336.870 χ^2/NDF: 103.3/82

- 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: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

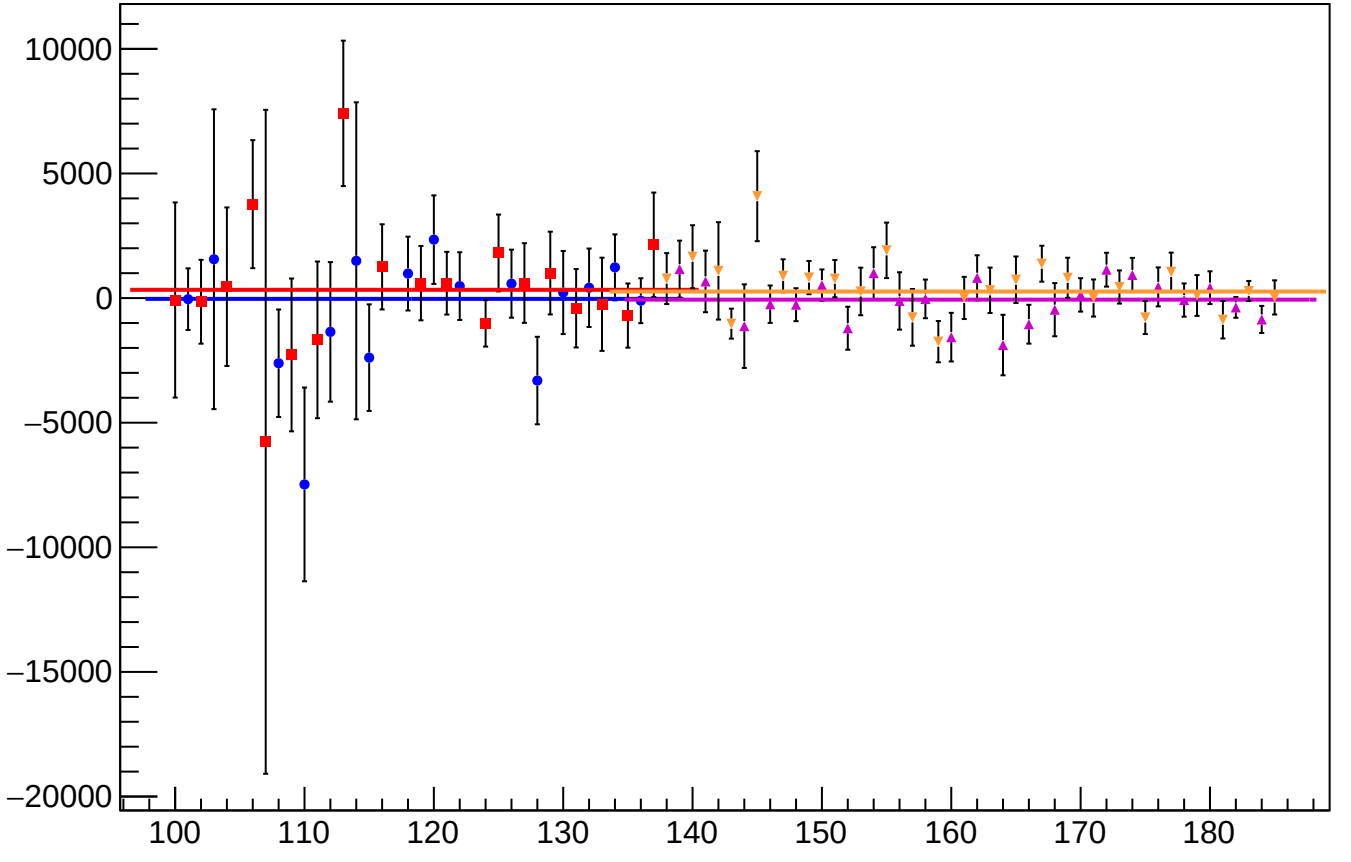
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

\+ sign 2421.067+/-0.333 χ^2/NDF: 327605.1/40

All: 2428.216+/-0.238 χ^2/NDF: 995132.5/82

\- 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: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

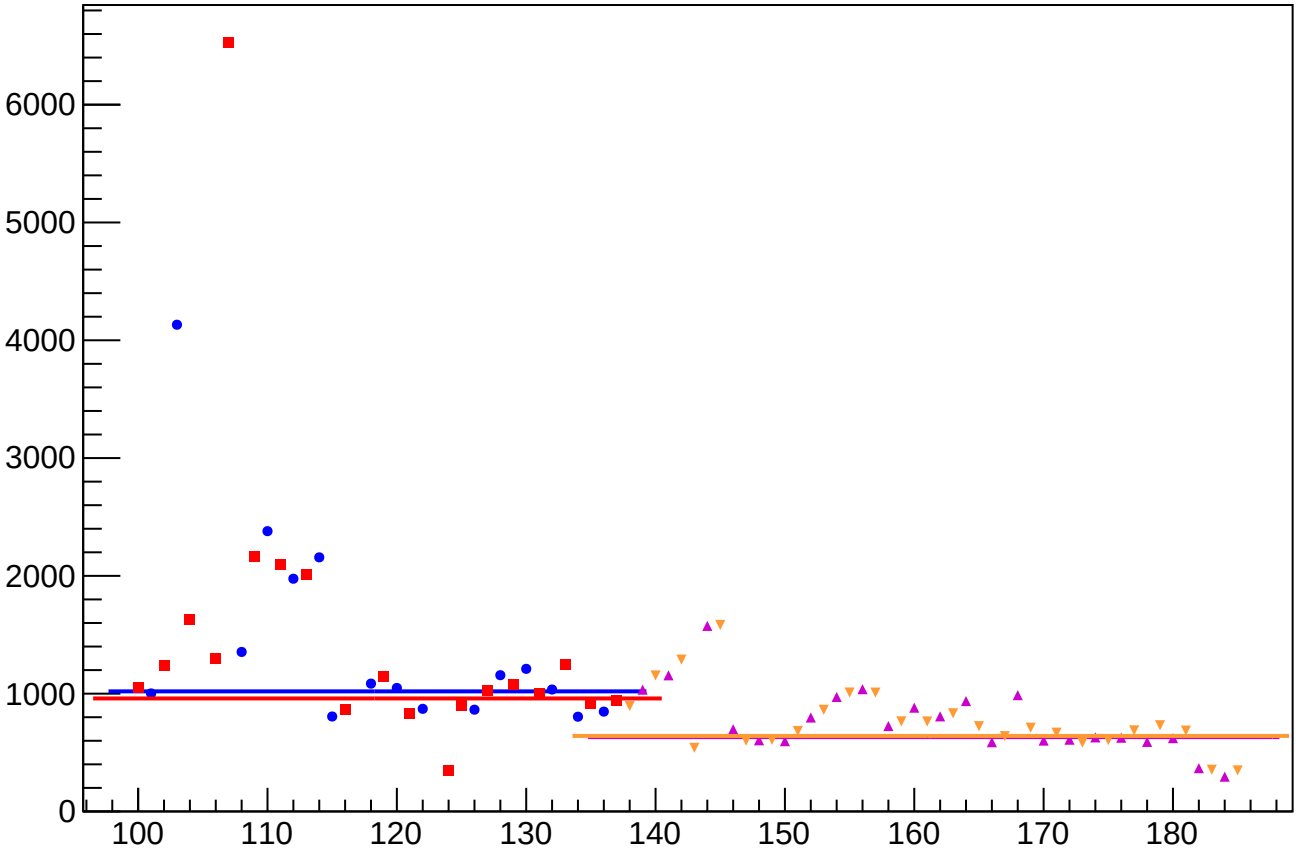
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 225.206+/-143.987 χ^2/NDF: 45.3/40

All: 110.069+/-102.667 χ^2/NDF: 83.9/82

- 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: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

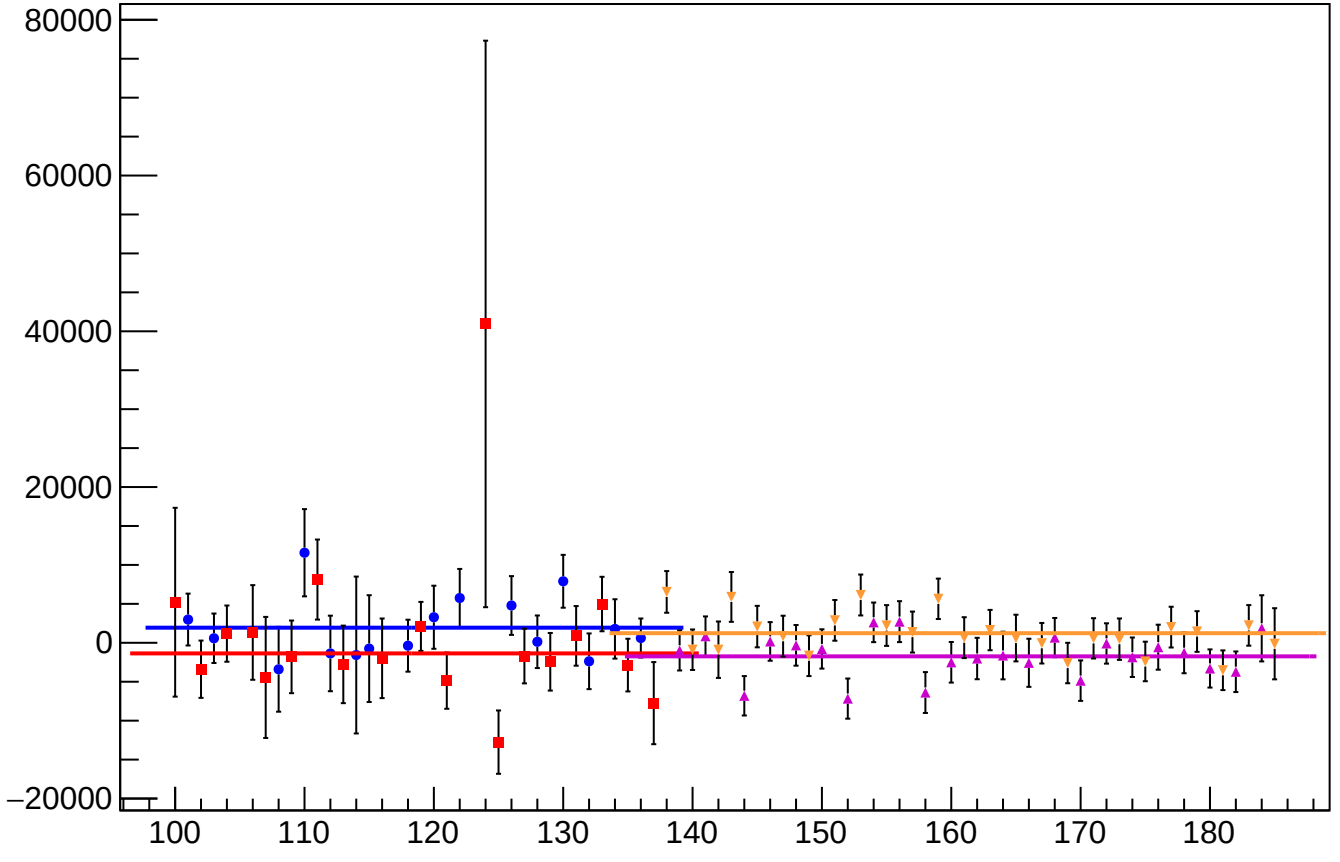
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 688.820+/-0.102 χ^2/NDF: 6359471.0/40

All: 682.183+/-0.073 χ^2/NDF: 13857033.5/82

- 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: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

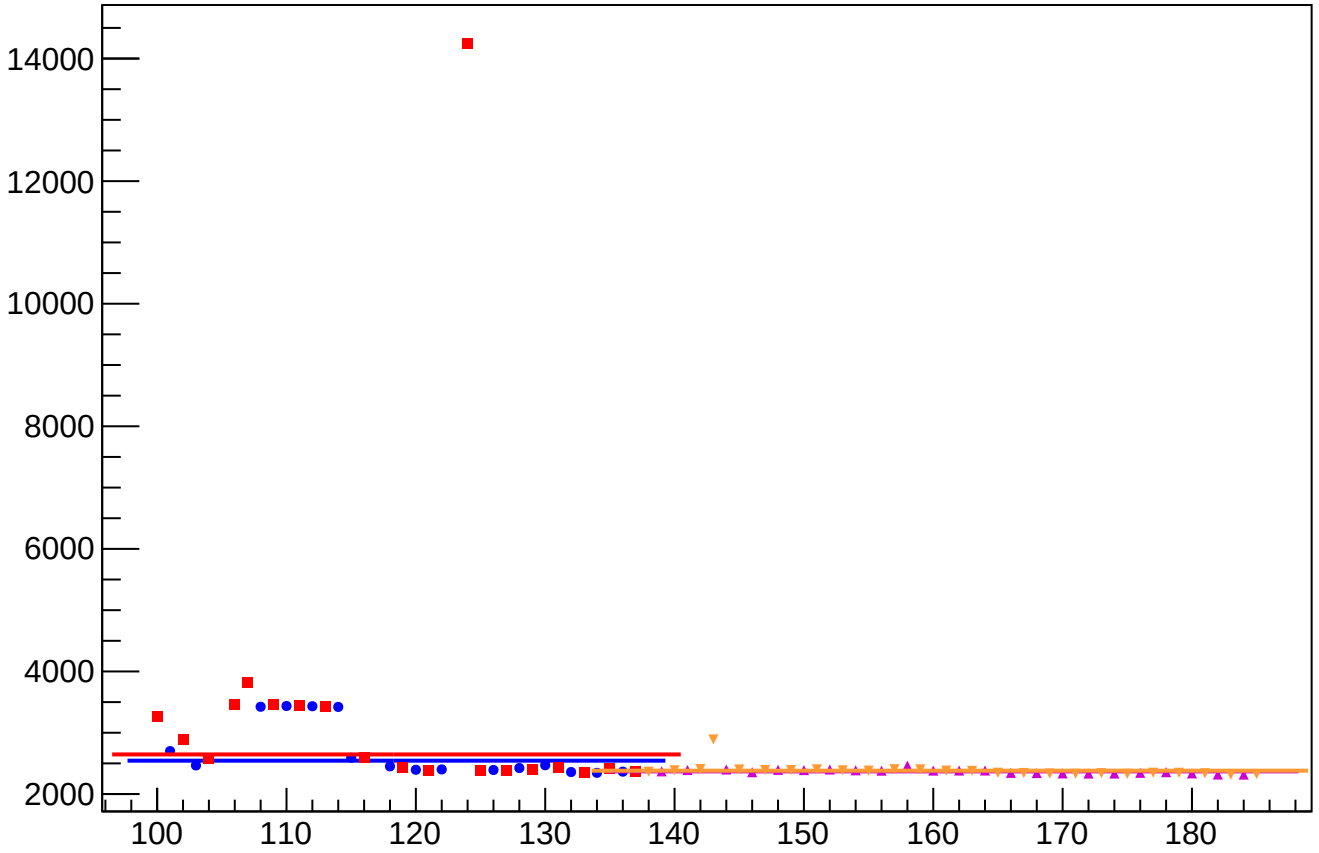
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1406.867+/-470.612 χ^2/NDF: 36.5/40

All: -84.192+/-336.870 χ^2/NDF: 103.3/82

- 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: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

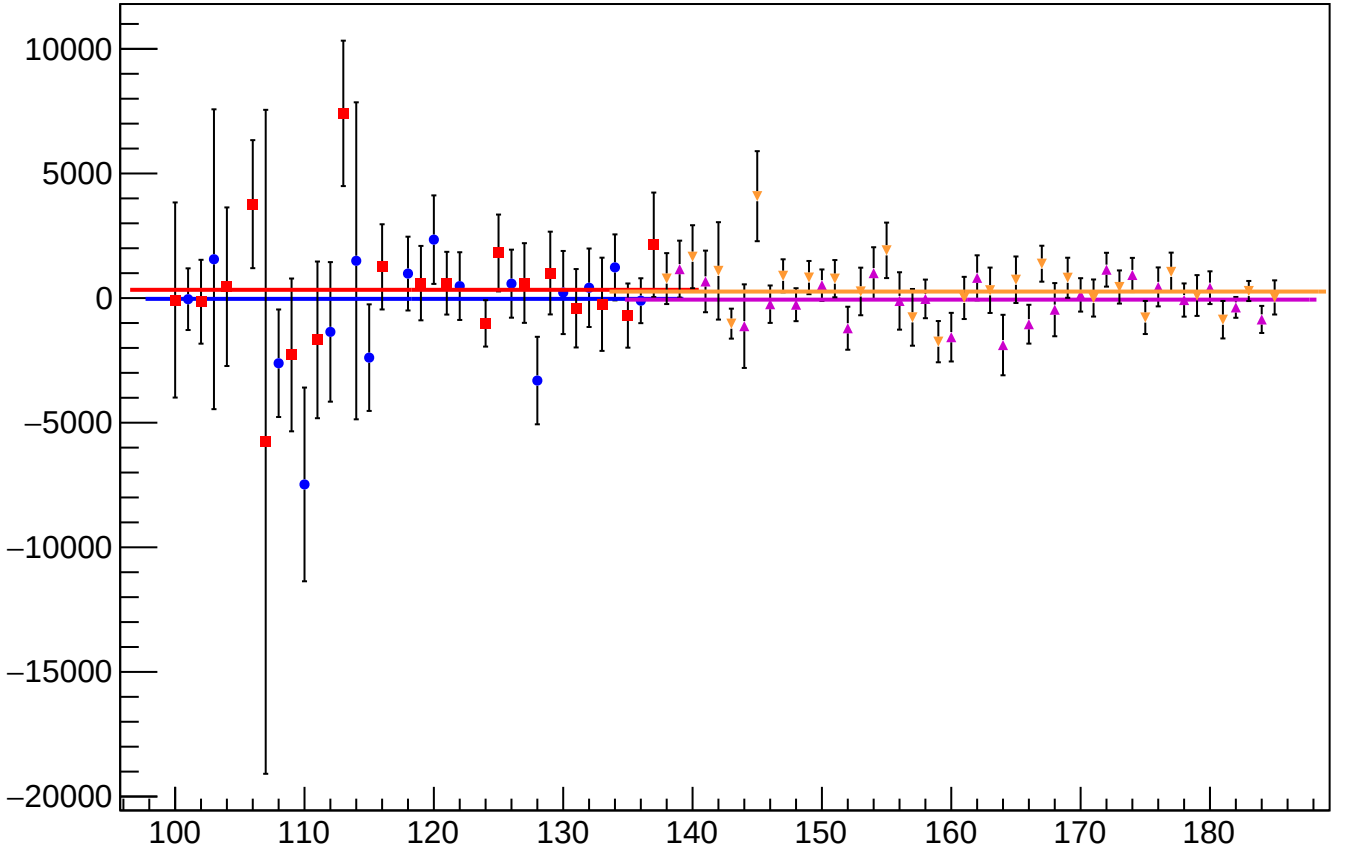
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

\+ sign 2421.067+/-0.333 χ^2/NDF: 327605.1/40

All: 2428.216+/-0.238 χ^2/NDF: 995132.5/82

\- 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: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

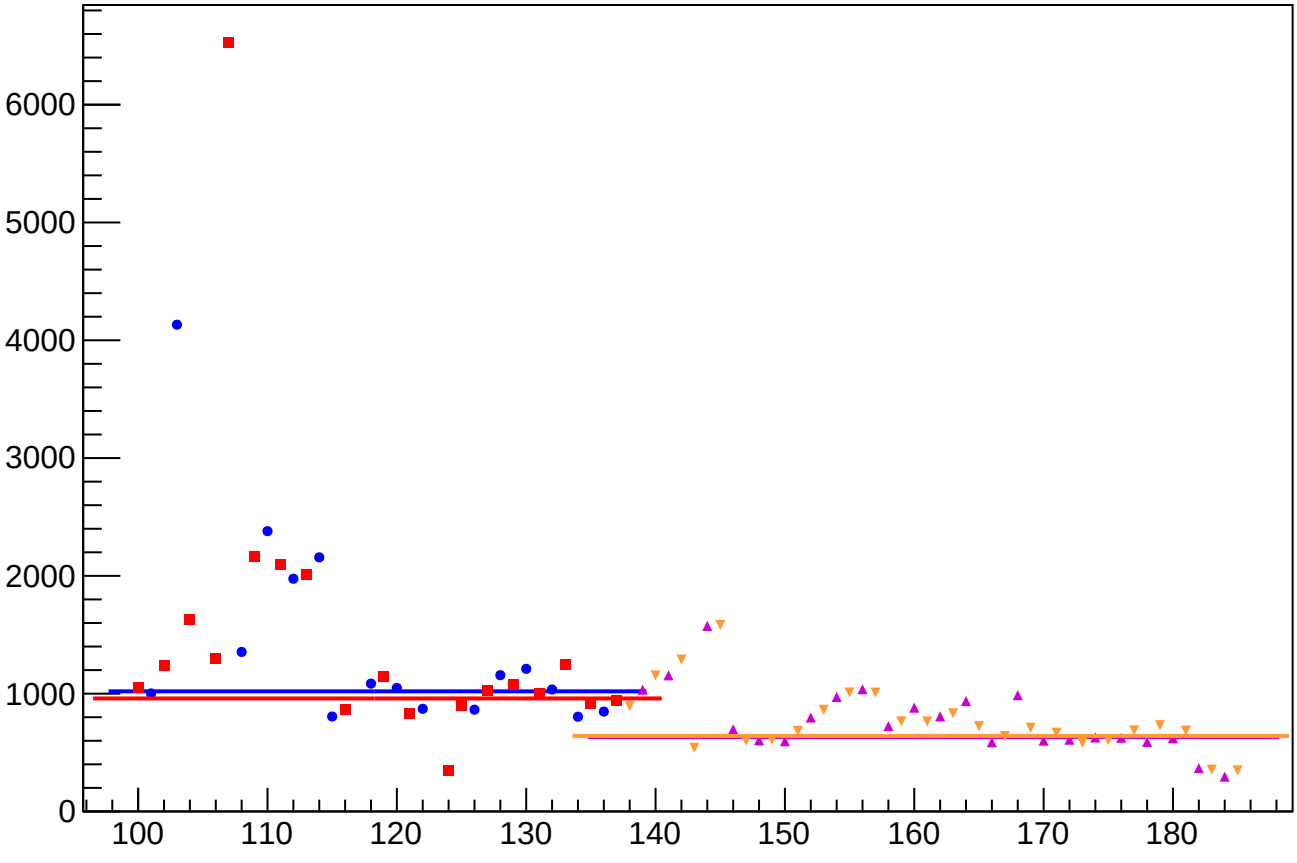
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 225.206+/-143.987 χ^2/NDF: 45.3/40

All: 110.069+/-102.667 χ^2/NDF: 83.9/82

- 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: 641.169+/-0.109 χ^2/NDF:3474589.1/24

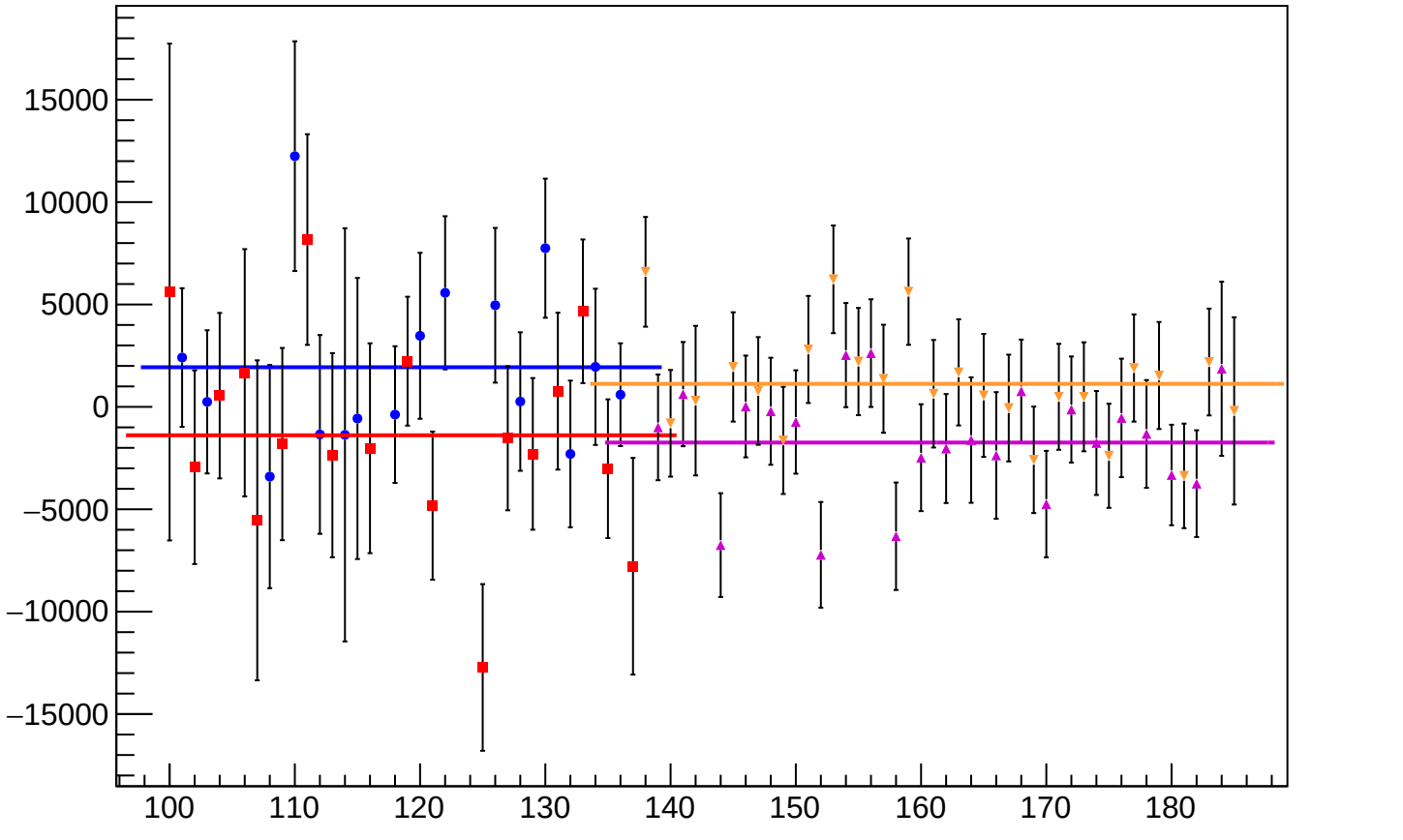
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 688.820+/-0.102 χ^2/NDF: 6359471.0/40

All: 682.183+/-0.073 χ^2/NDF: 13857033.5/82

- sign 675.318+/-0.104 χ^2/NDF: 7488917.0/41



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

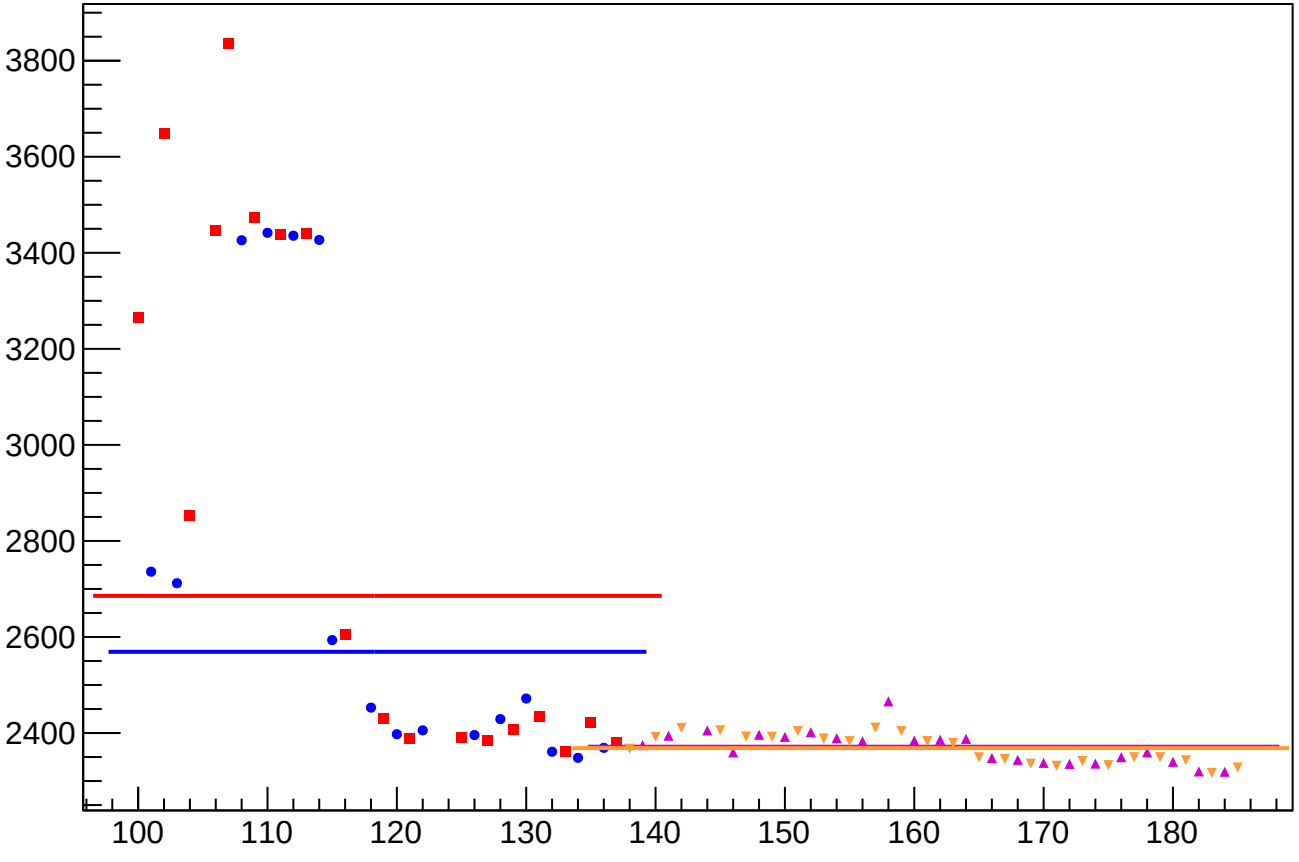
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1325.017+/-477.403 χ^2/NDF: 34.1/39

All: -142.605+/-340.389 χ^2/NDF: 96.9/80

- 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: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

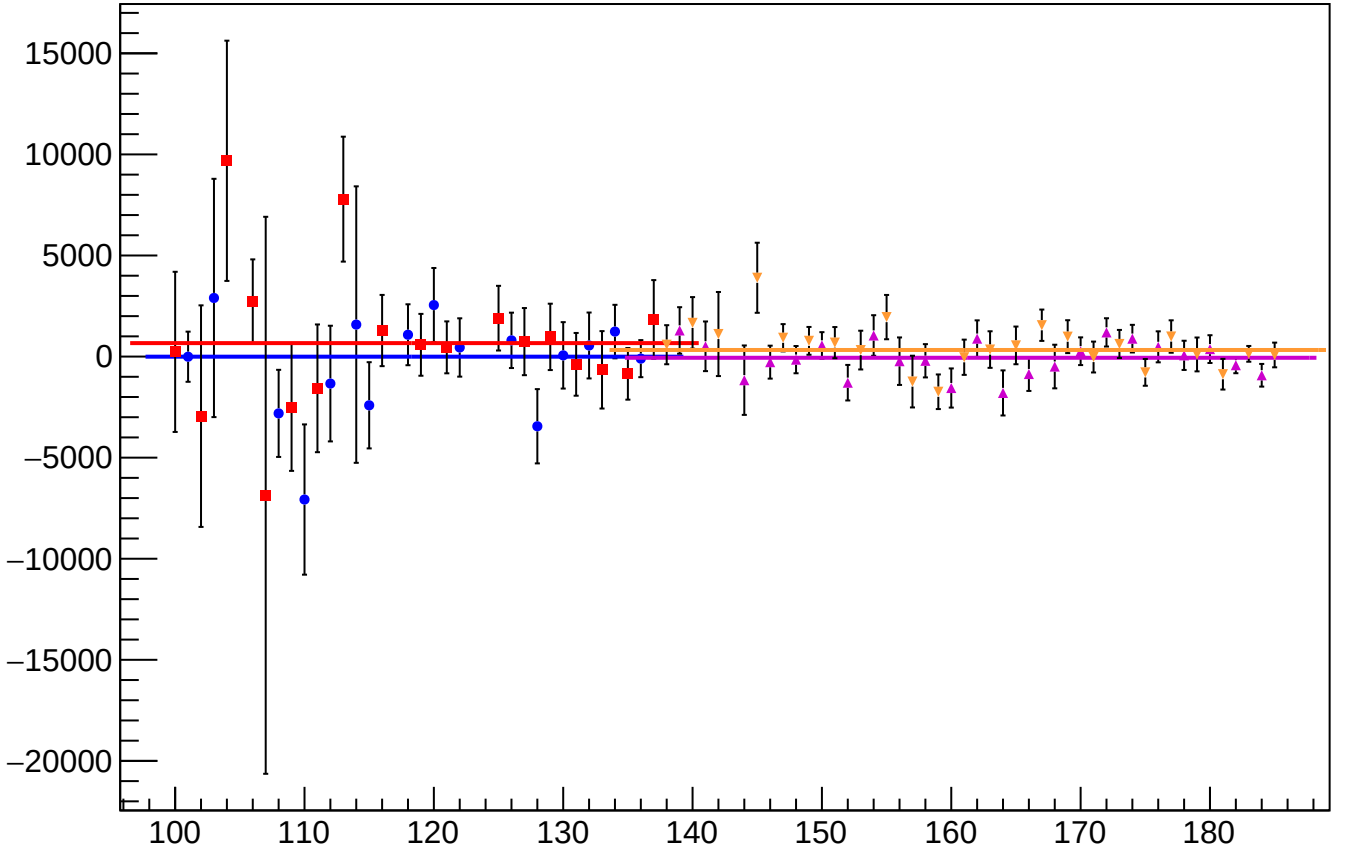
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2417.929+/-0.338 χ^2/NDF: 300551.0/39

All: 2430.858+/-0.241 χ^2/NDF: 878832.5/80

- 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: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

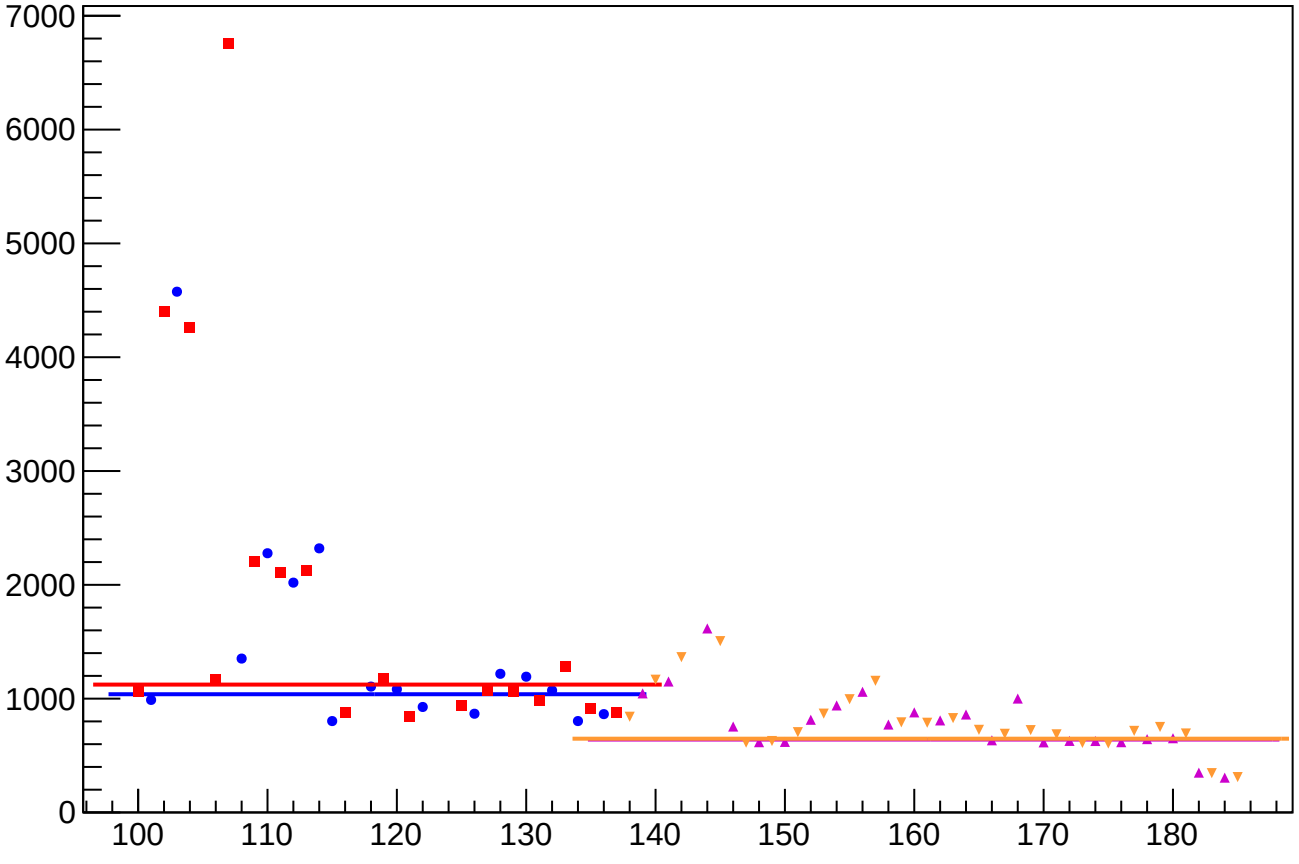
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 282.587+/-149.193 χ^2/NDF: 41.9/39

All: 151.884+/-106.079 χ^2/NDF: 82.7/80

- 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: 648.100+/-0.113 χ^2/NDF:3886991.8/23

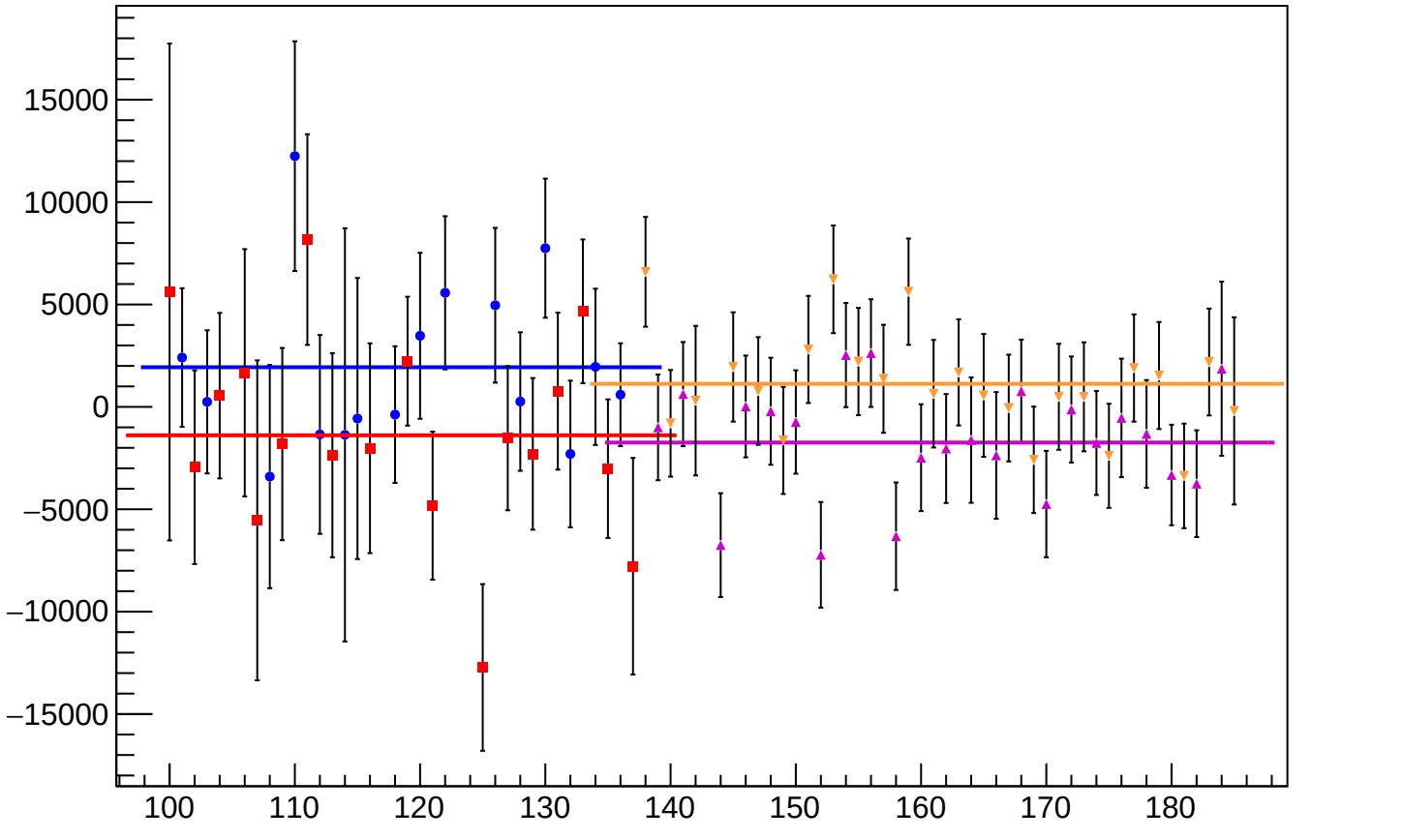
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 699.272+/-0.105 χ^2/NDF: 6987852.3/39

All: 695.805+/-0.075 χ^2/NDF: 15618725.1/80

- 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: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

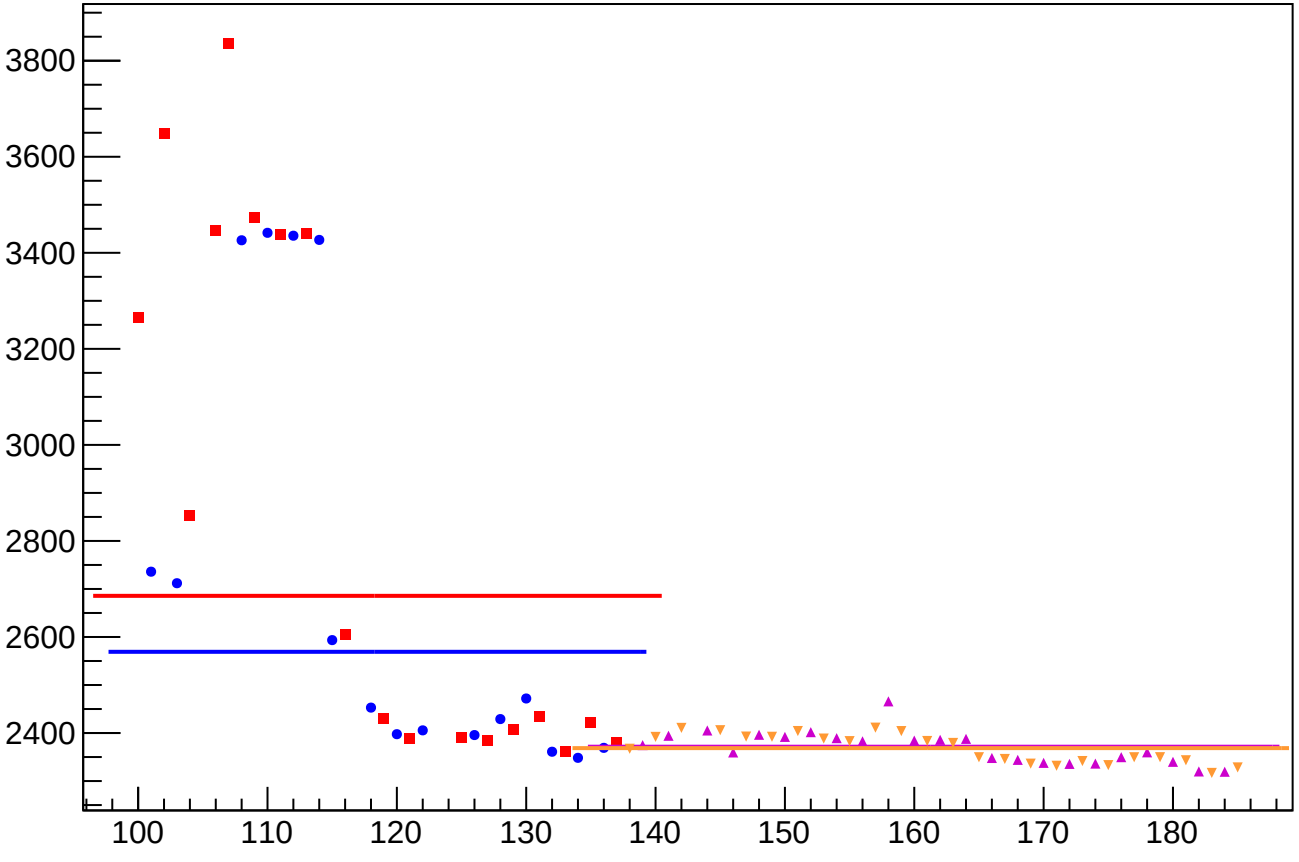
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1325.017+/-477.403 χ^2/NDF: 34.1/39

All: -142.605+/-340.389 χ^2/NDF: 96.9/80

- 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: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

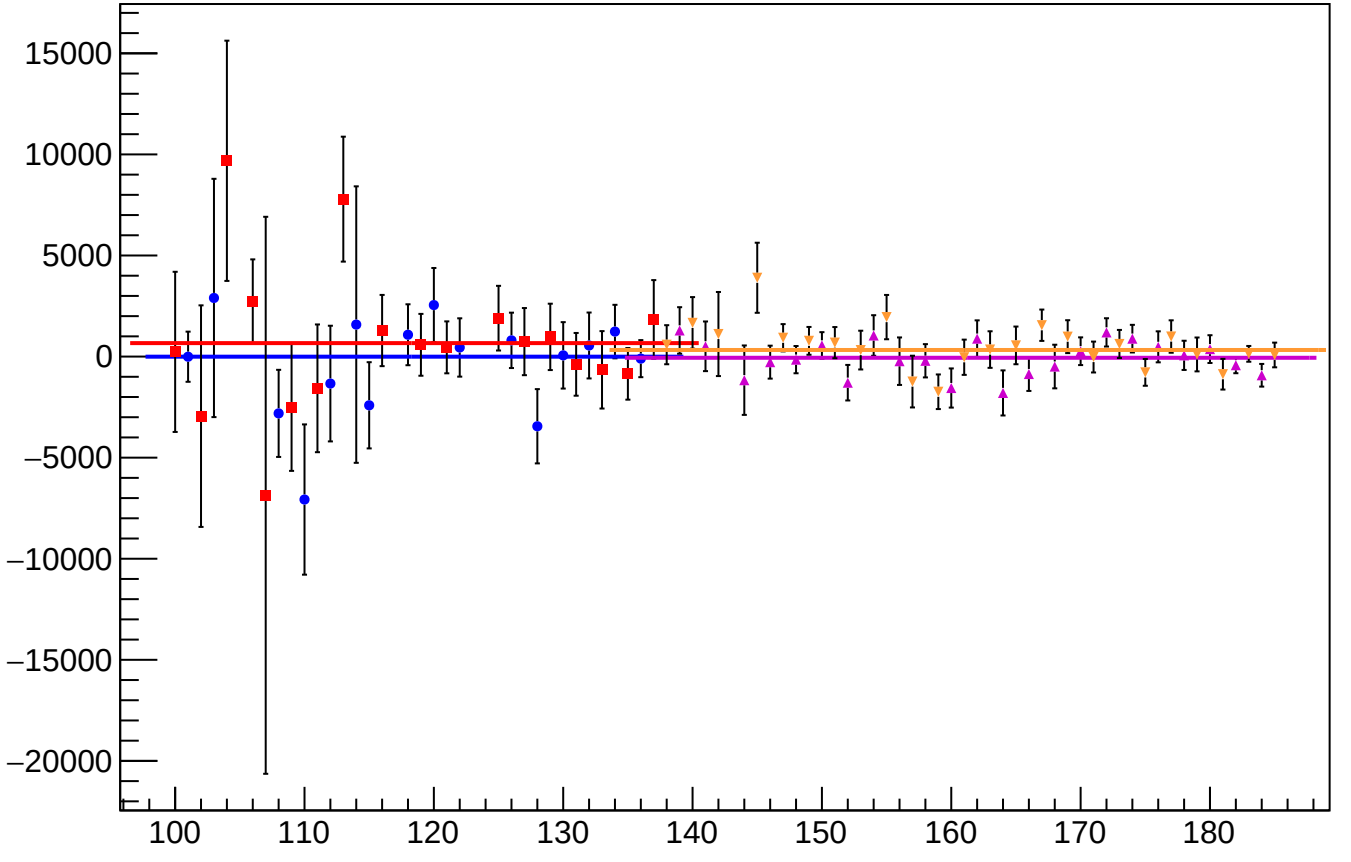
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2417.929+/-0.338 χ^2/NDF: 300550.6/39

All: 2430.858+/-0.241 χ^2/NDF: 878831.0/80

- 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: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

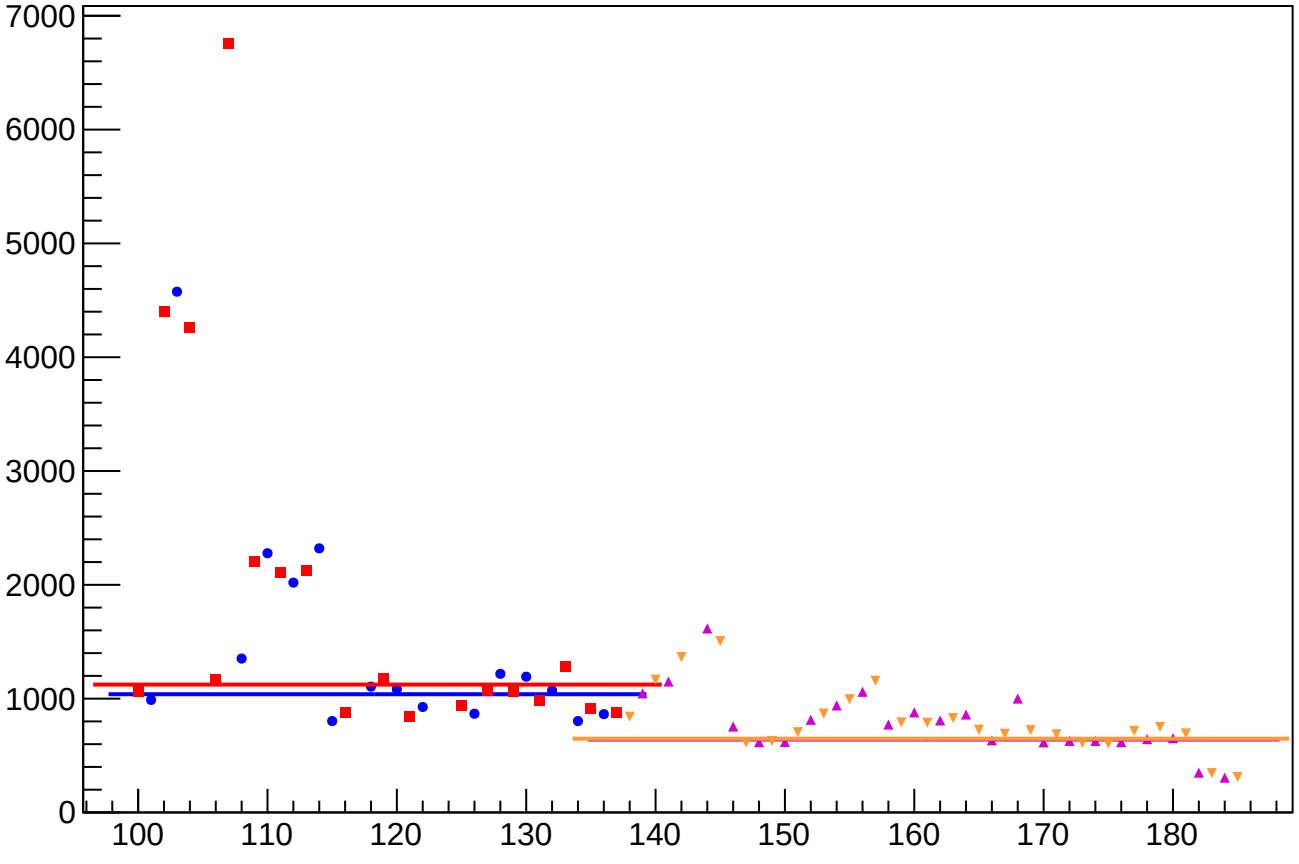
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 282.586+/-149.193 χ^2/NDF: 41.9/39

All: 151.883+/-106.080 χ^2/NDF: 82.7/80

- 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: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

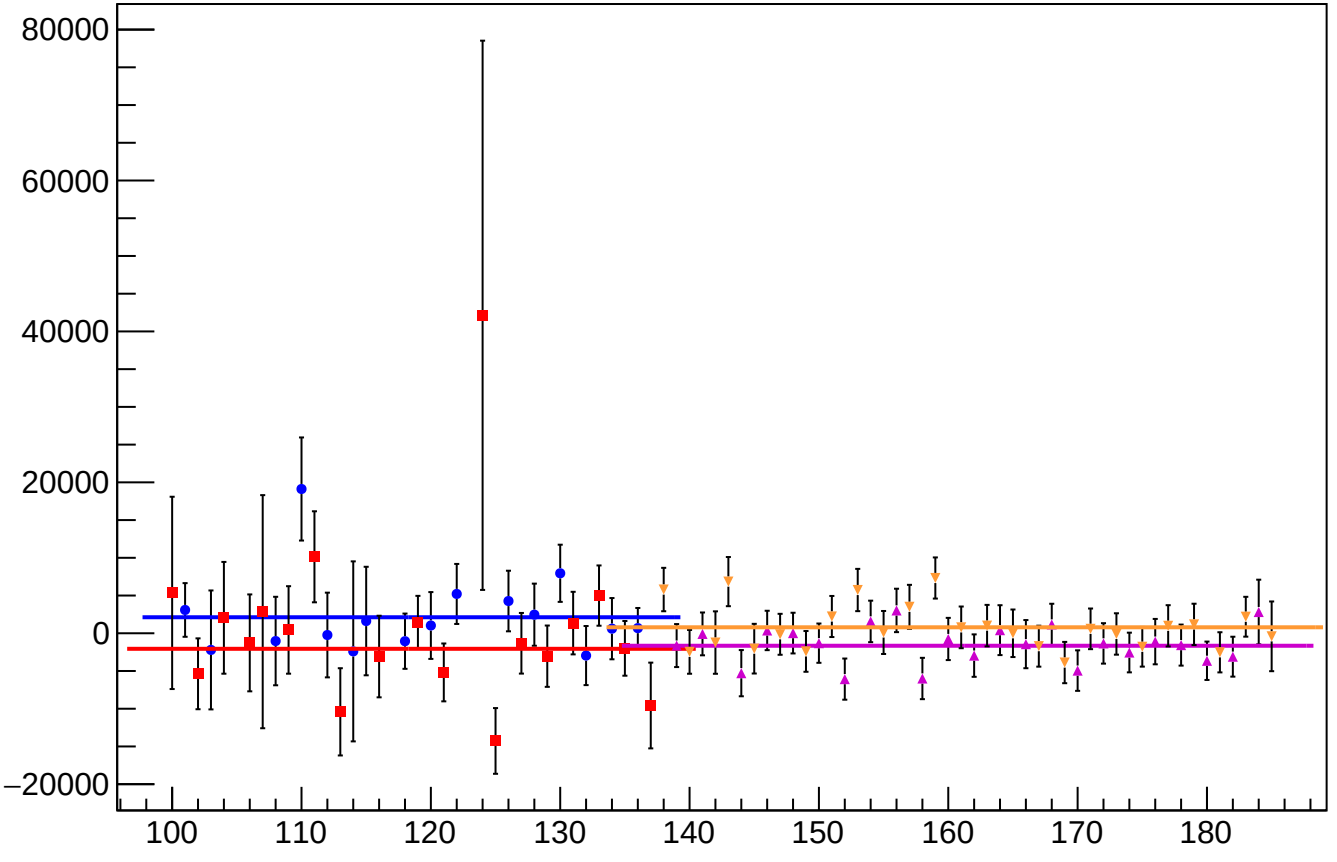
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 699.273+/-0.105 χ^2/NDF: 6987853.1/39

All: 695.806+/-0.075 χ^2/NDF: 15618731.7/80

- 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: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

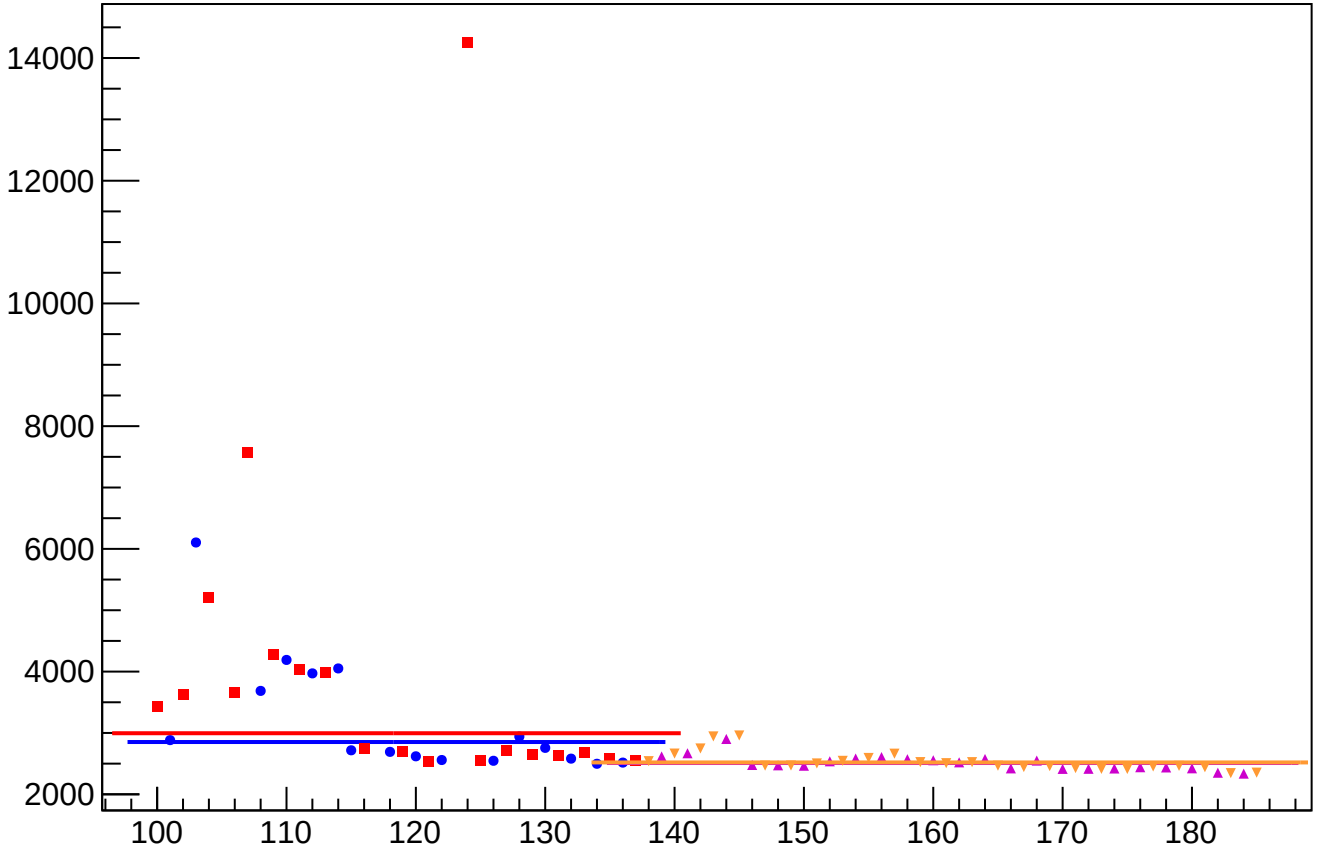
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1081.940+/-506.836 χ^2/NDF: 41.7/40

All: -288.974+/-363.430 χ^2/NDF: 98.5/82

- 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: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

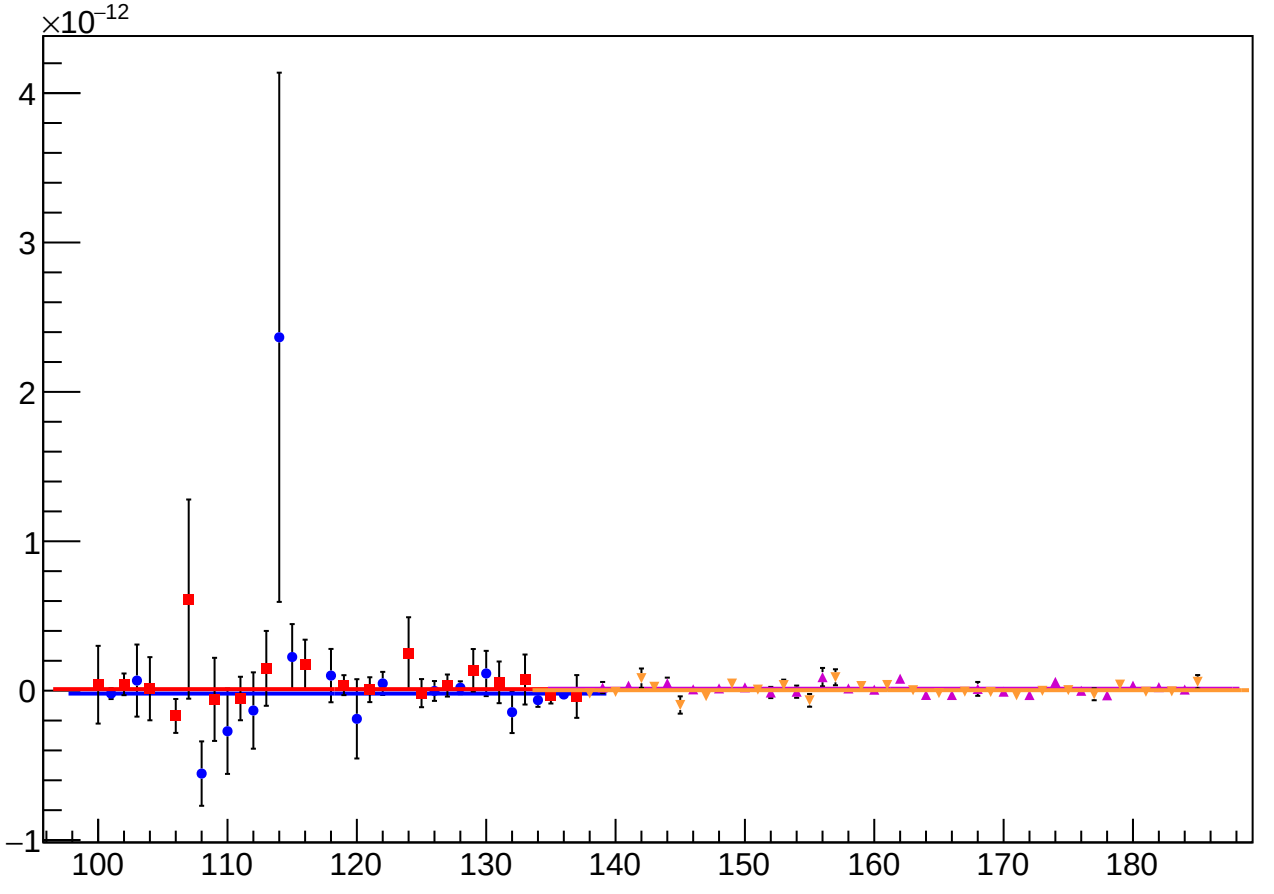
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2592.152+/-0.358 χ^2/NDF: 910986.0/40

All: 2601.922+/-0.257 χ^2/NDF: 2253345.0/82

- 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:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

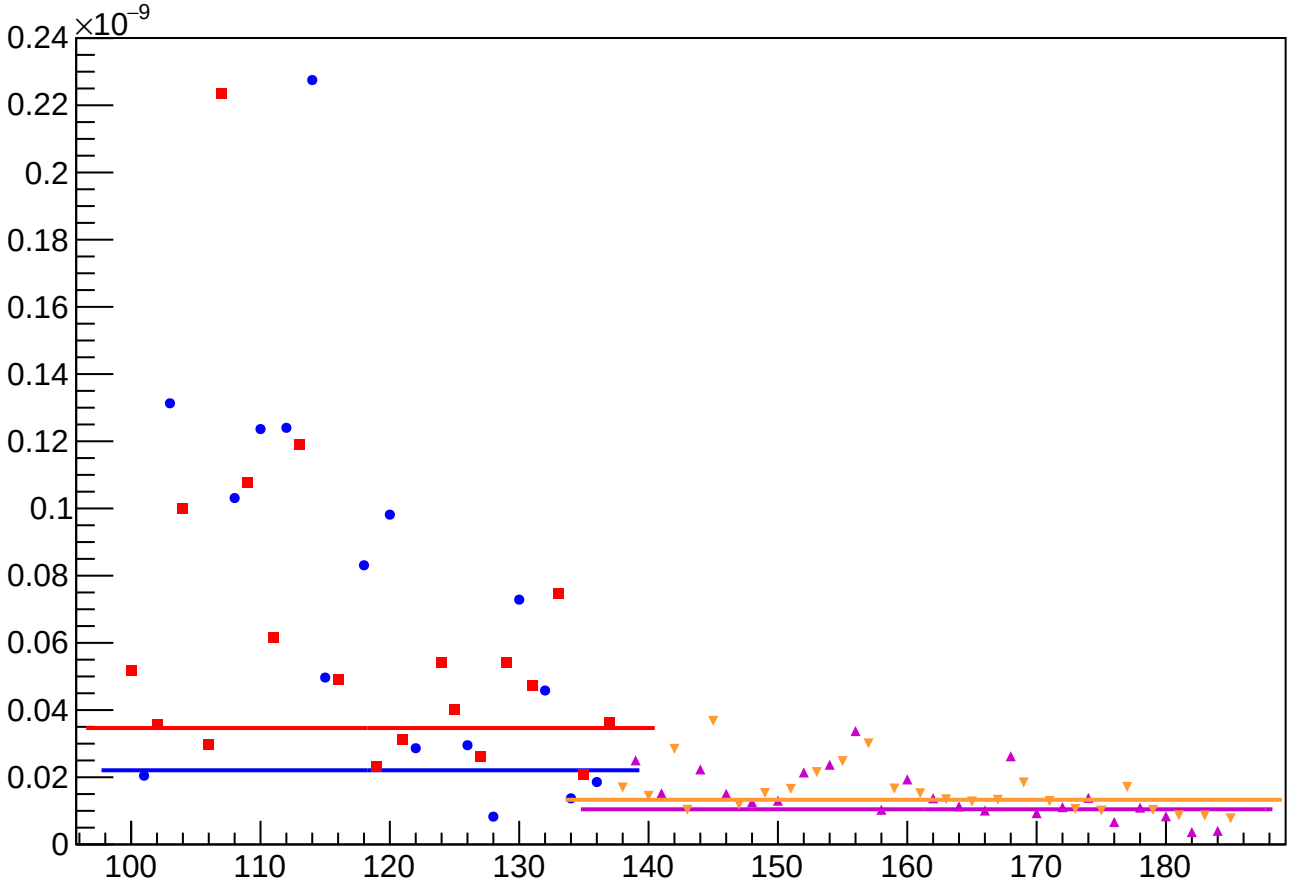
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.8/40

All: 0.000+/-0.000 χ^2/NDF: 89.2/82

- 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:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

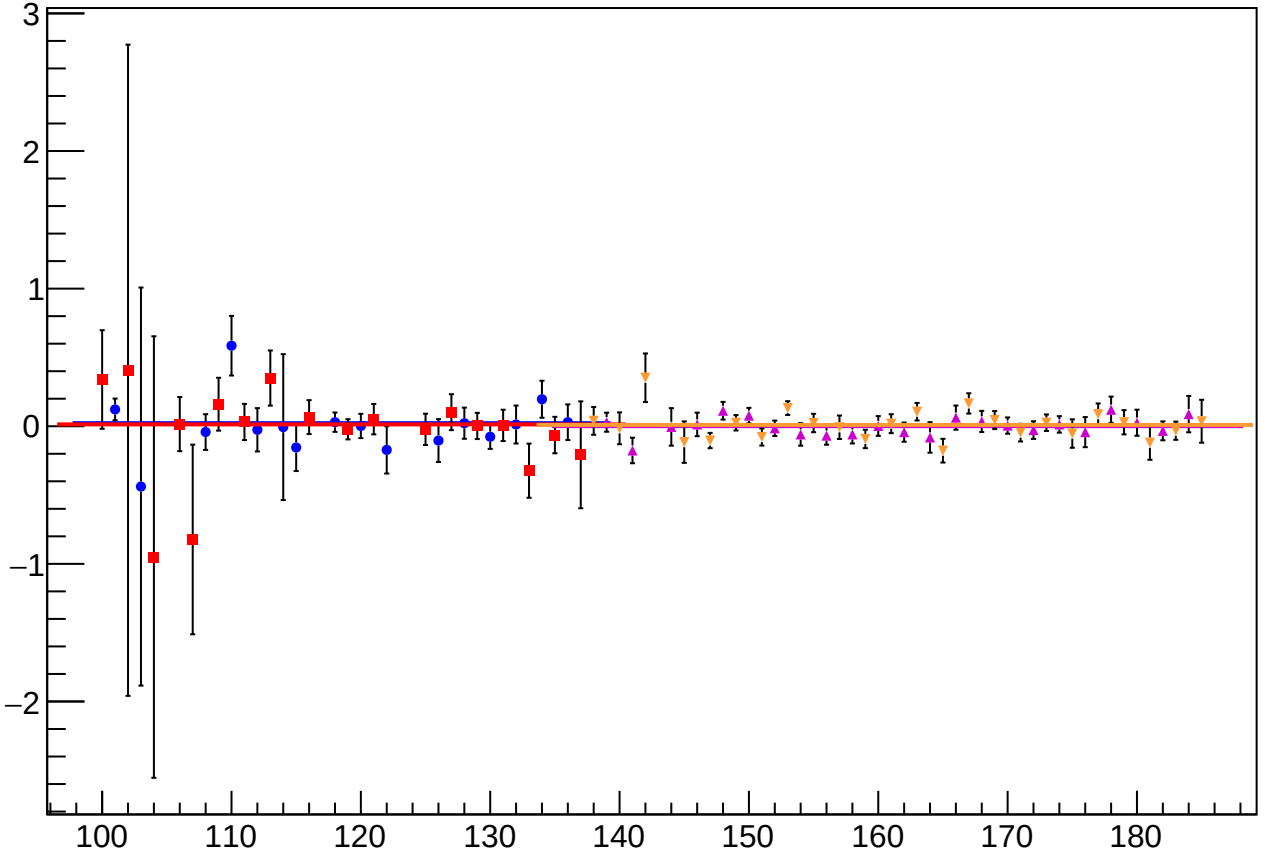
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4295314.6/40

All: 0.000+/-0.000 χ^2/NDF: 10544771.7/82

- 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:34.7/23

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

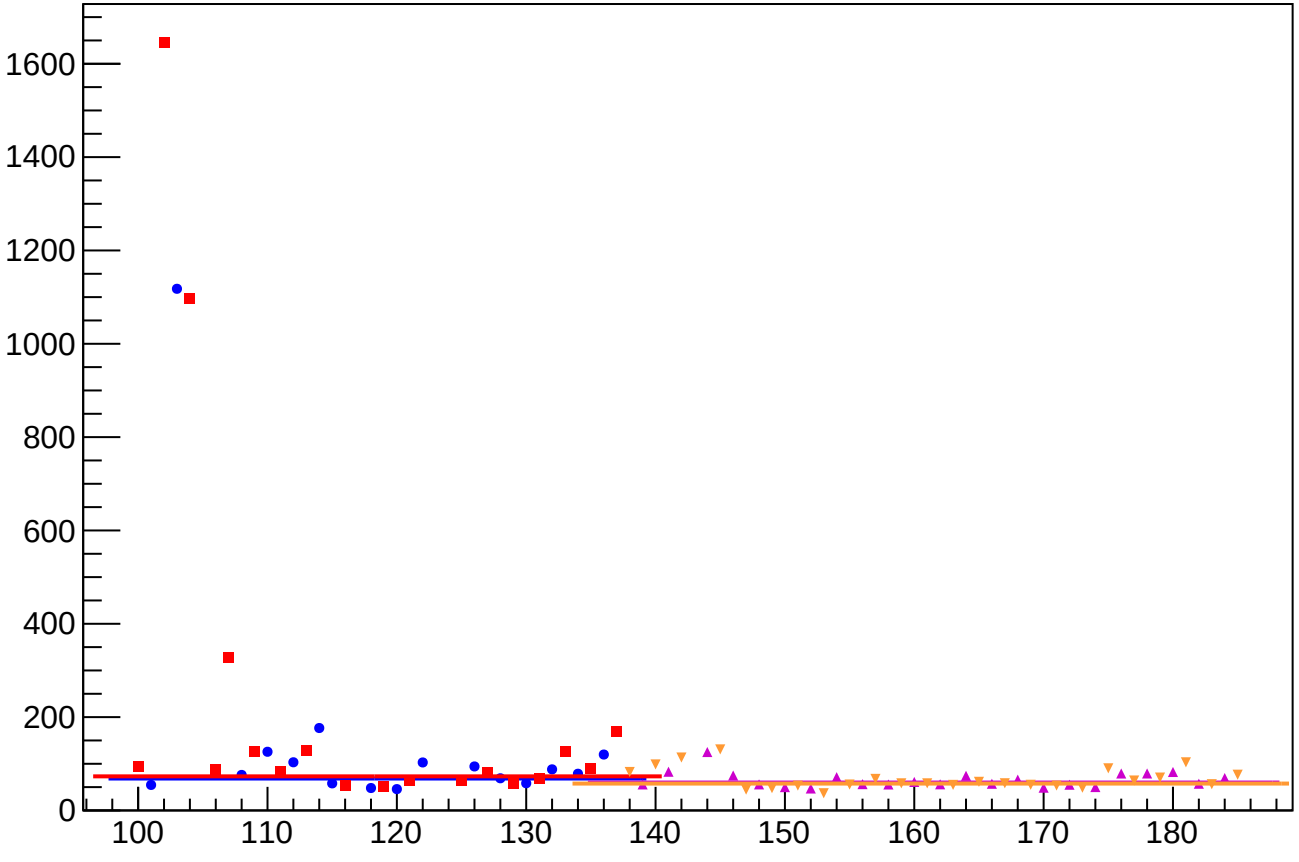
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/39

All: 0.008+/-0.010 χ^2/NDF: 76.4/80

- 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: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

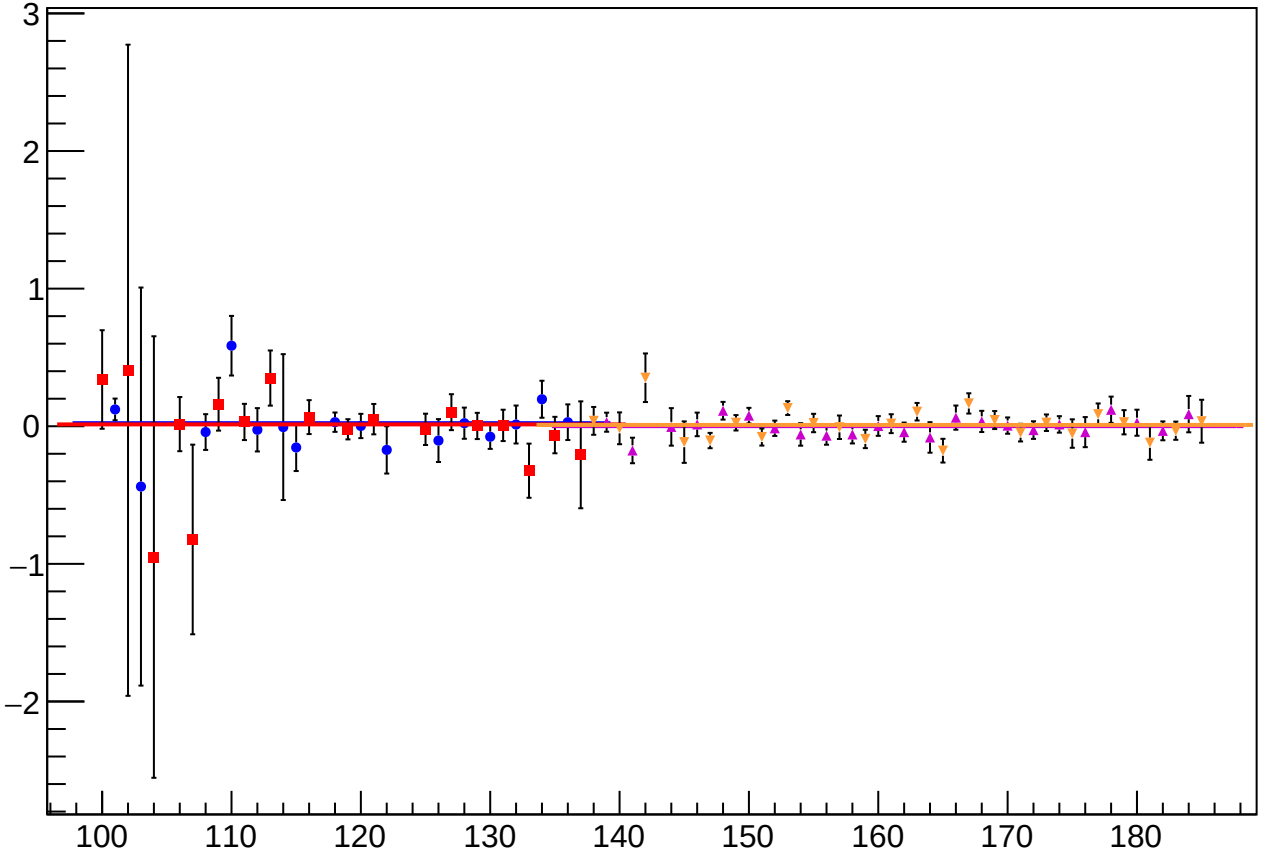
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.778+/-0.010 χ^2/NDF: 4697234.6/39

All: 60.923+/-0.007 χ^2/NDF: 9238844.8/80

- 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:34.7/23

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

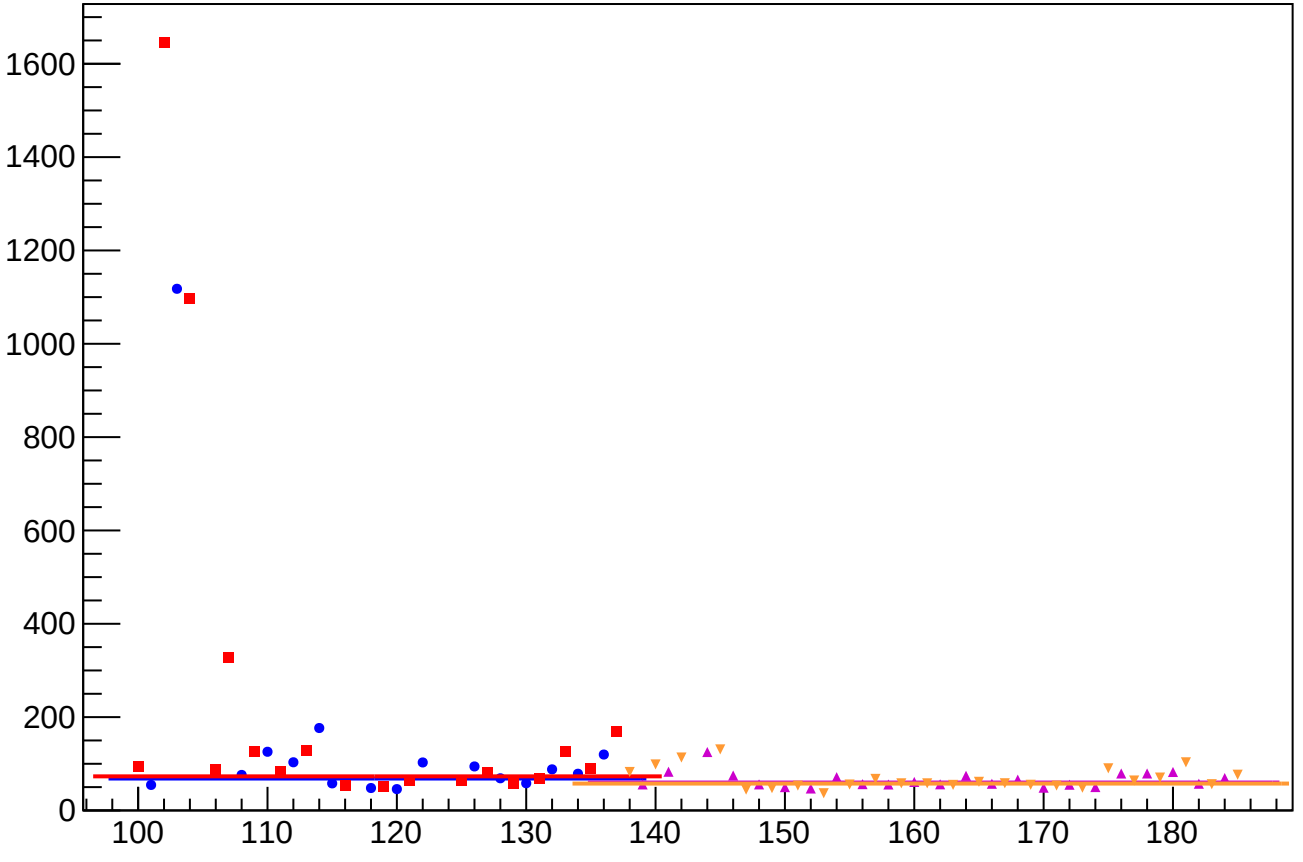
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/39

All: 0.008+/-0.010 χ^2/NDF: 76.4/80

- 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: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

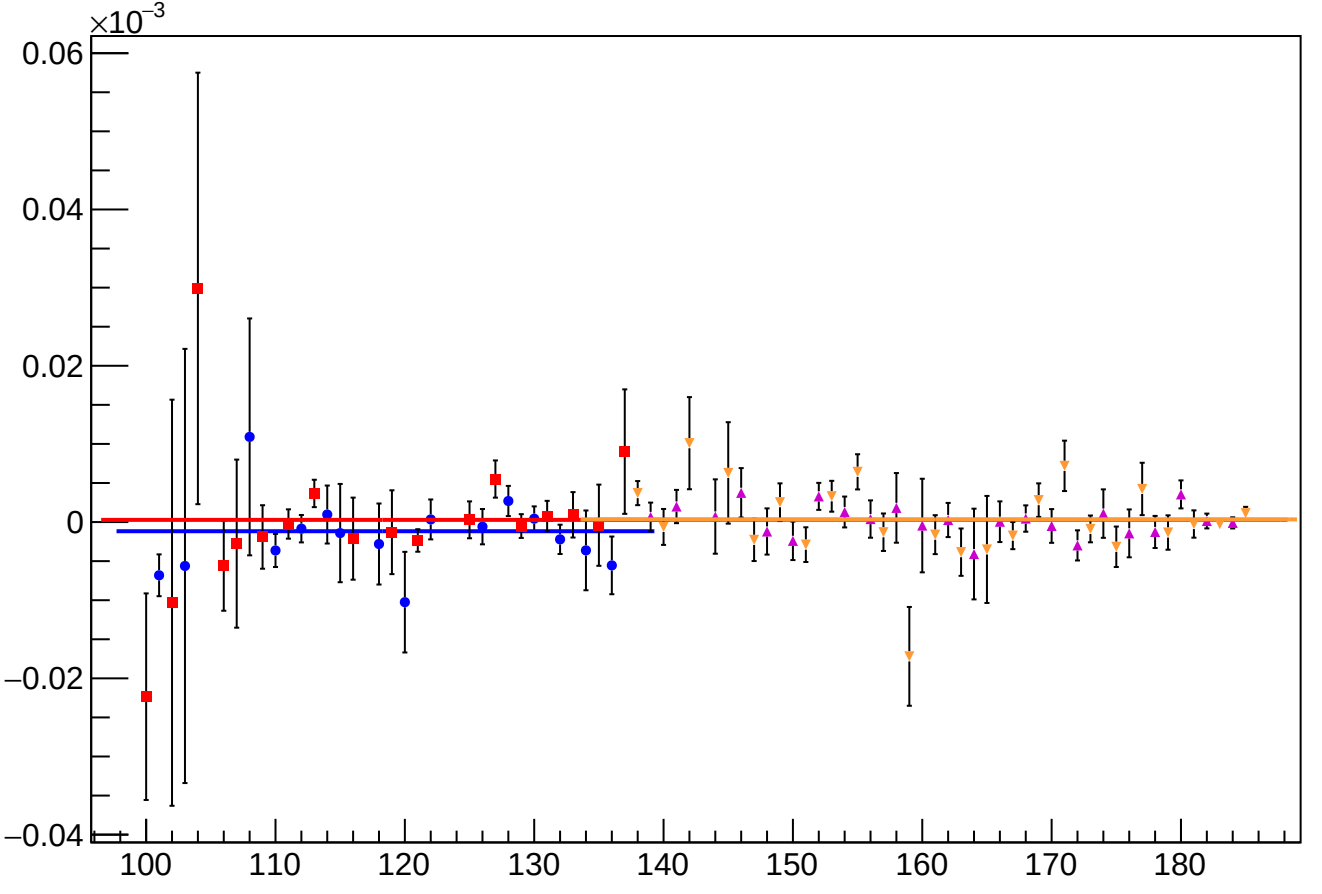
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.778+/-0.010 χ^2/NDF: 4697234.6/39

All: 60.923+/-0.007 χ^2/NDF: 9238844.8/80

- 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:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

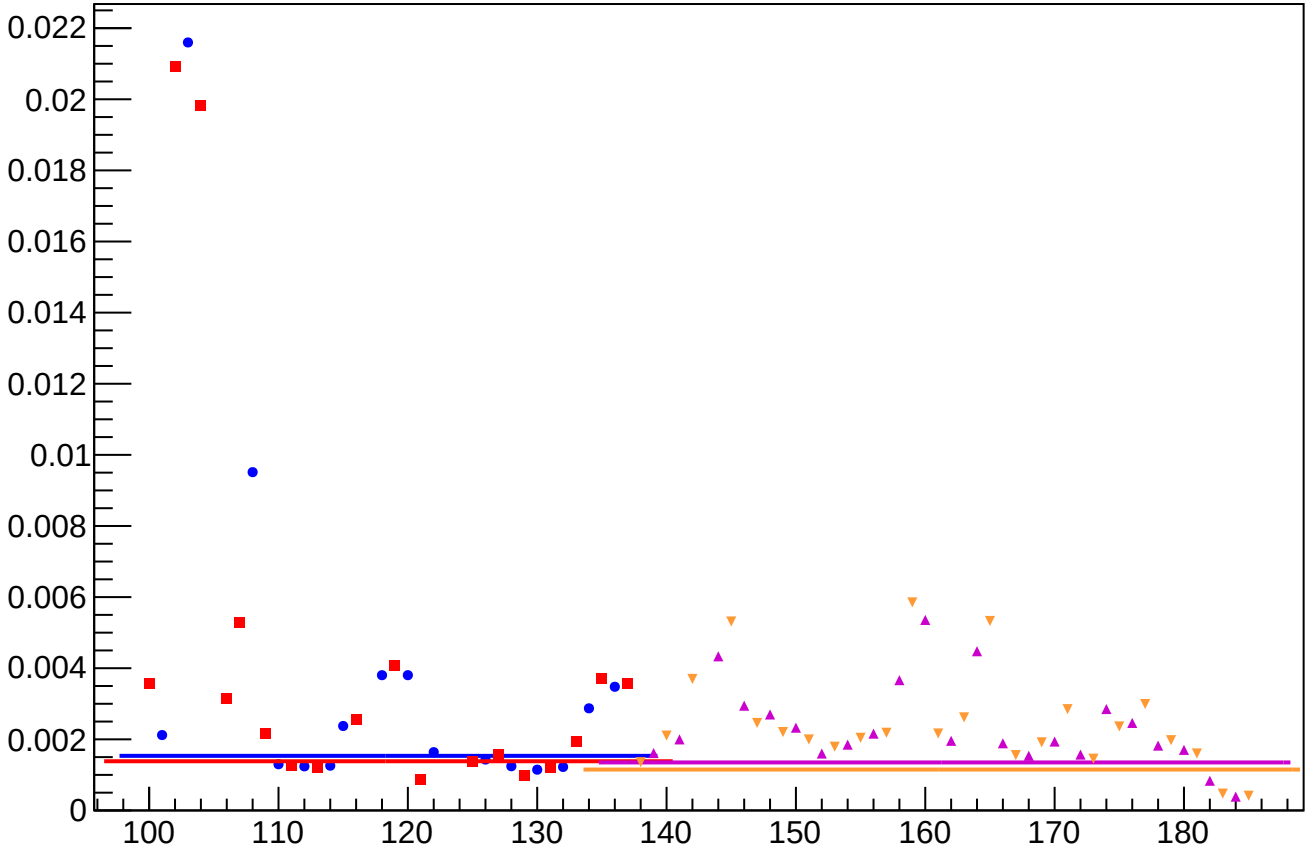
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/39

All: 0.000+/-0.000 χ^2/NDF: 102.0/80

- 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:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

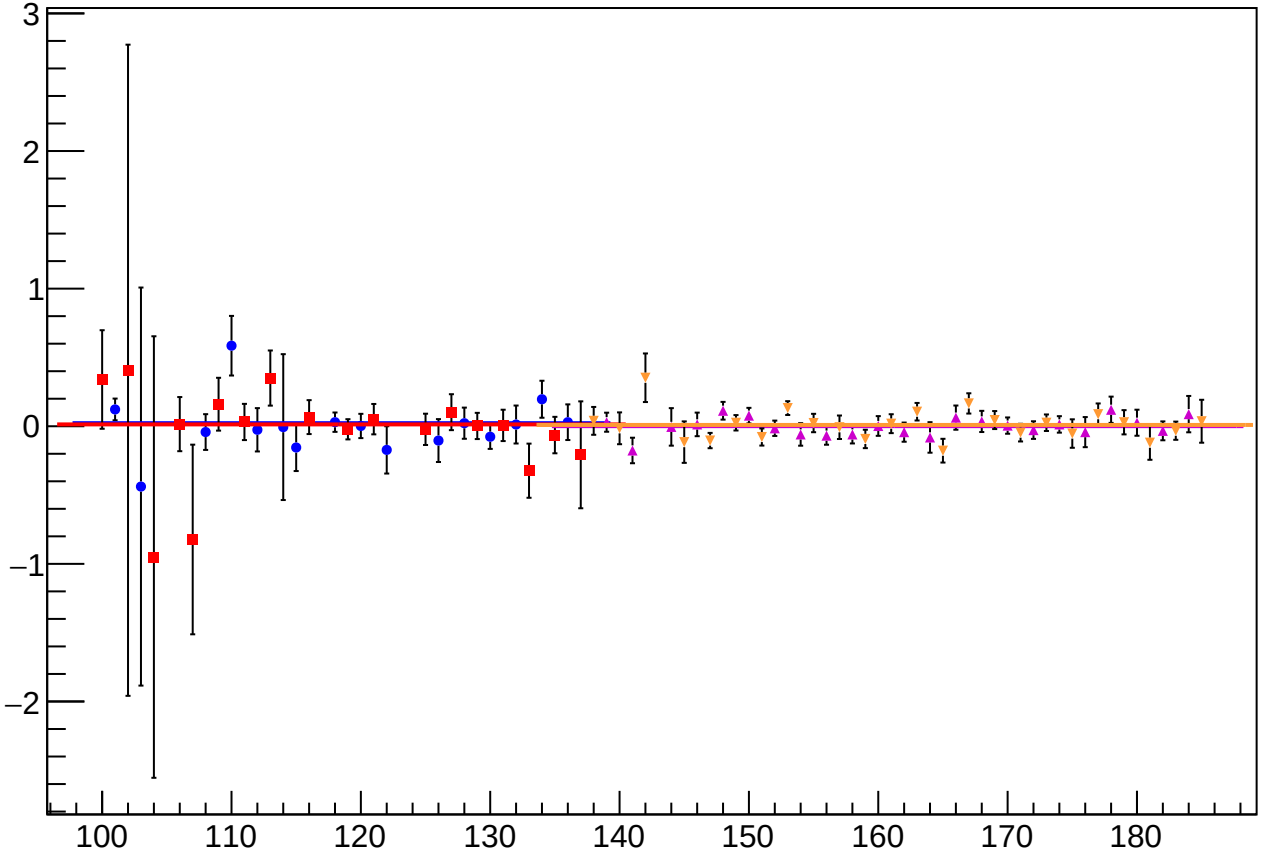
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17149170.0/39

All: 0.001+/-0.000 χ^2/NDF: 31834250.2/80

- 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:34.7/23

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

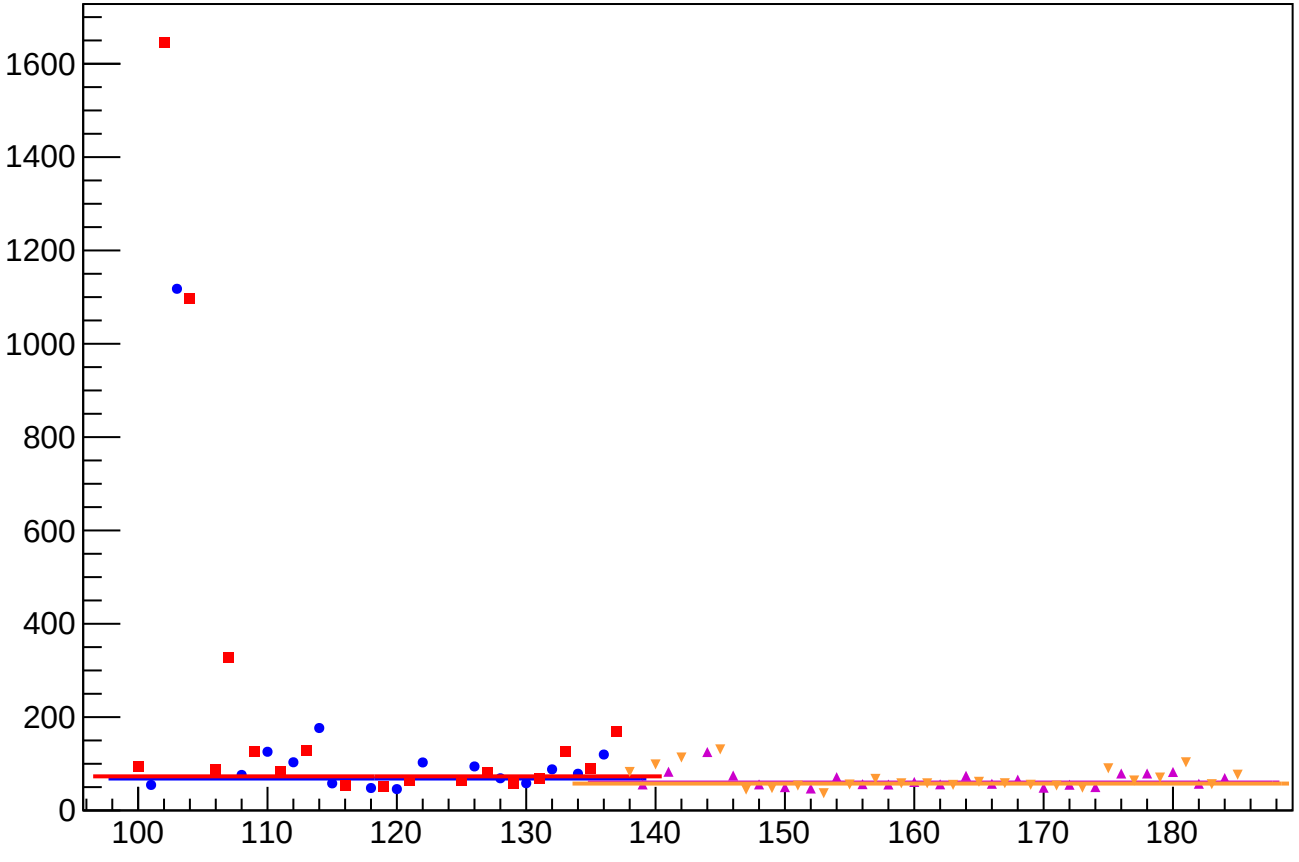
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/39

All: 0.008+/-0.010 χ^2/NDF: 76.4/80

- 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: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

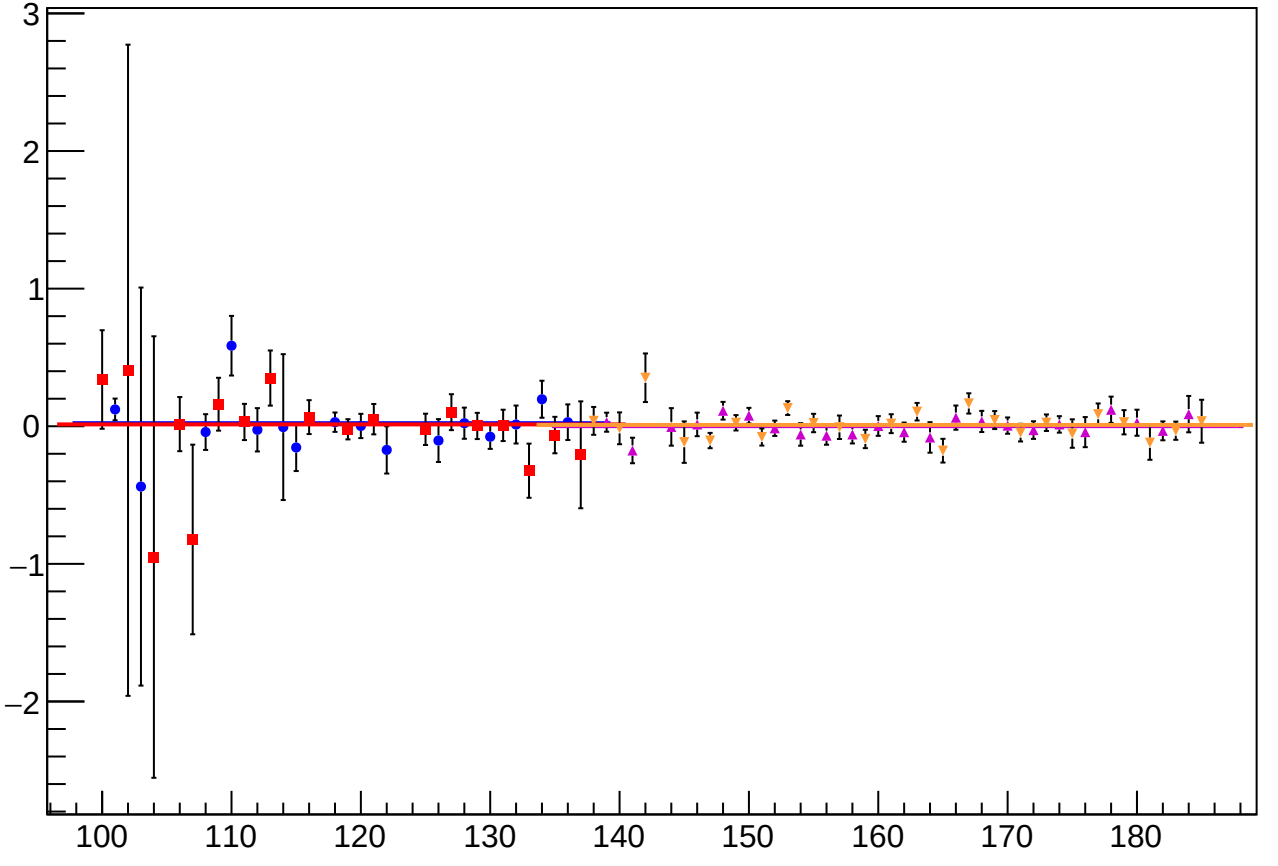
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.778+/-0.010 χ^2/NDF: 4697358.7/39

All: 60.923+/-0.007 χ^2/NDF: 9238947.2/80

- 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:34.7/23

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

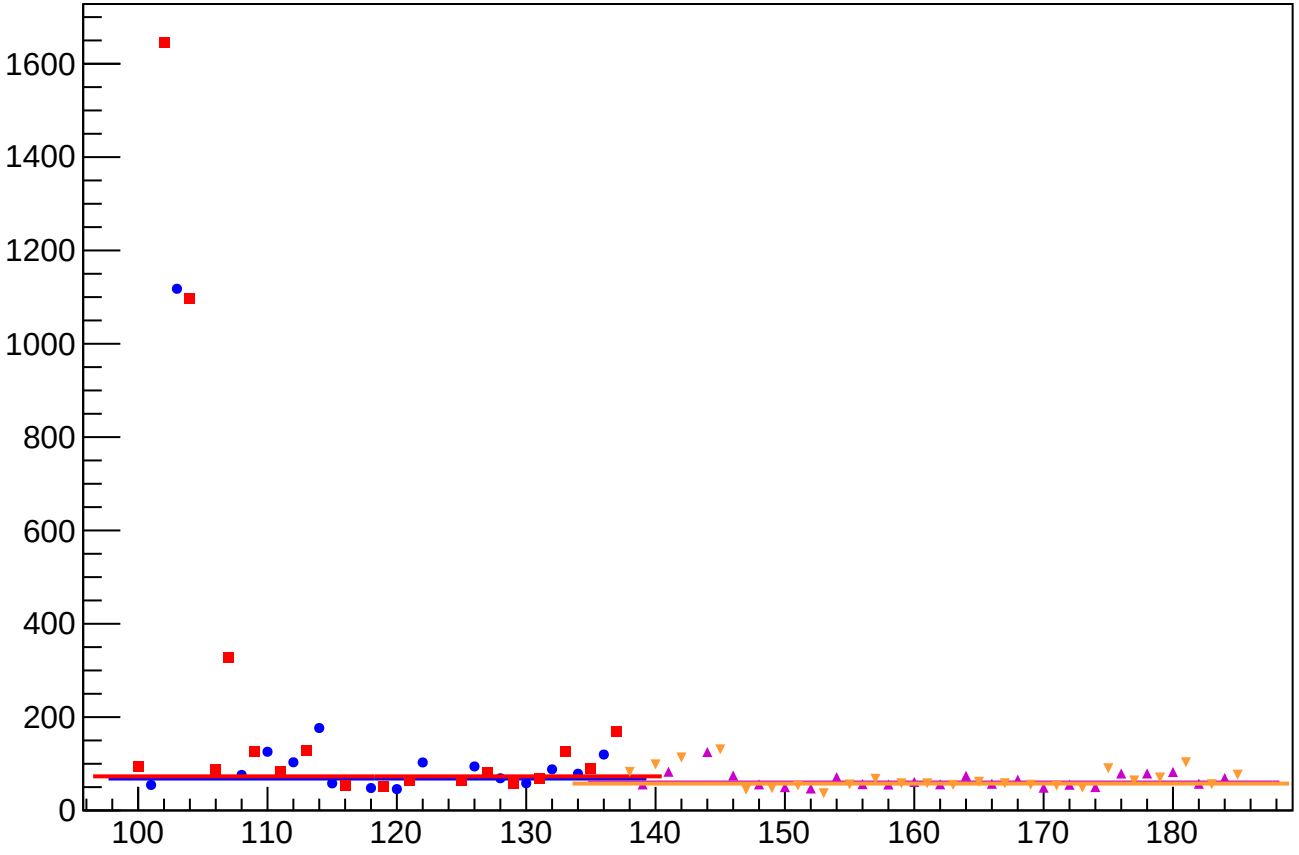
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.014 χ^2/NDF: 49.6/39

All: 0.008+/-0.010 χ^2/NDF: 76.4/80

- sign 0.003+/-0.014 χ^2/NDF: 26.5/40

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

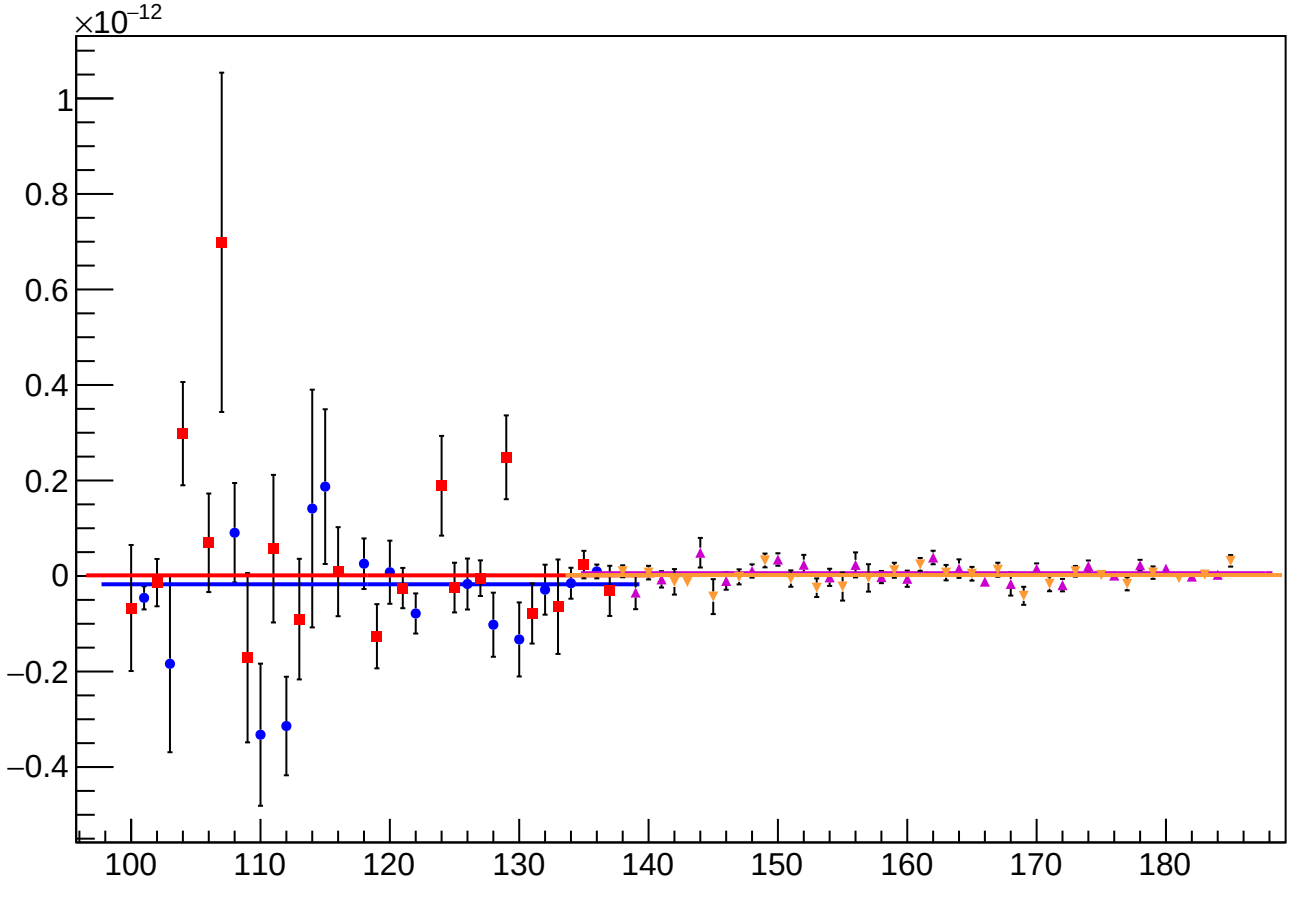
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.778+/-0.010 χ^2/NDF: 4697358.7/39

All: 60.923+/-0.007 χ^2/NDF: 9238947.2/80

- sign 62.164+/-0.010 χ^2/NDF: 4511632.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

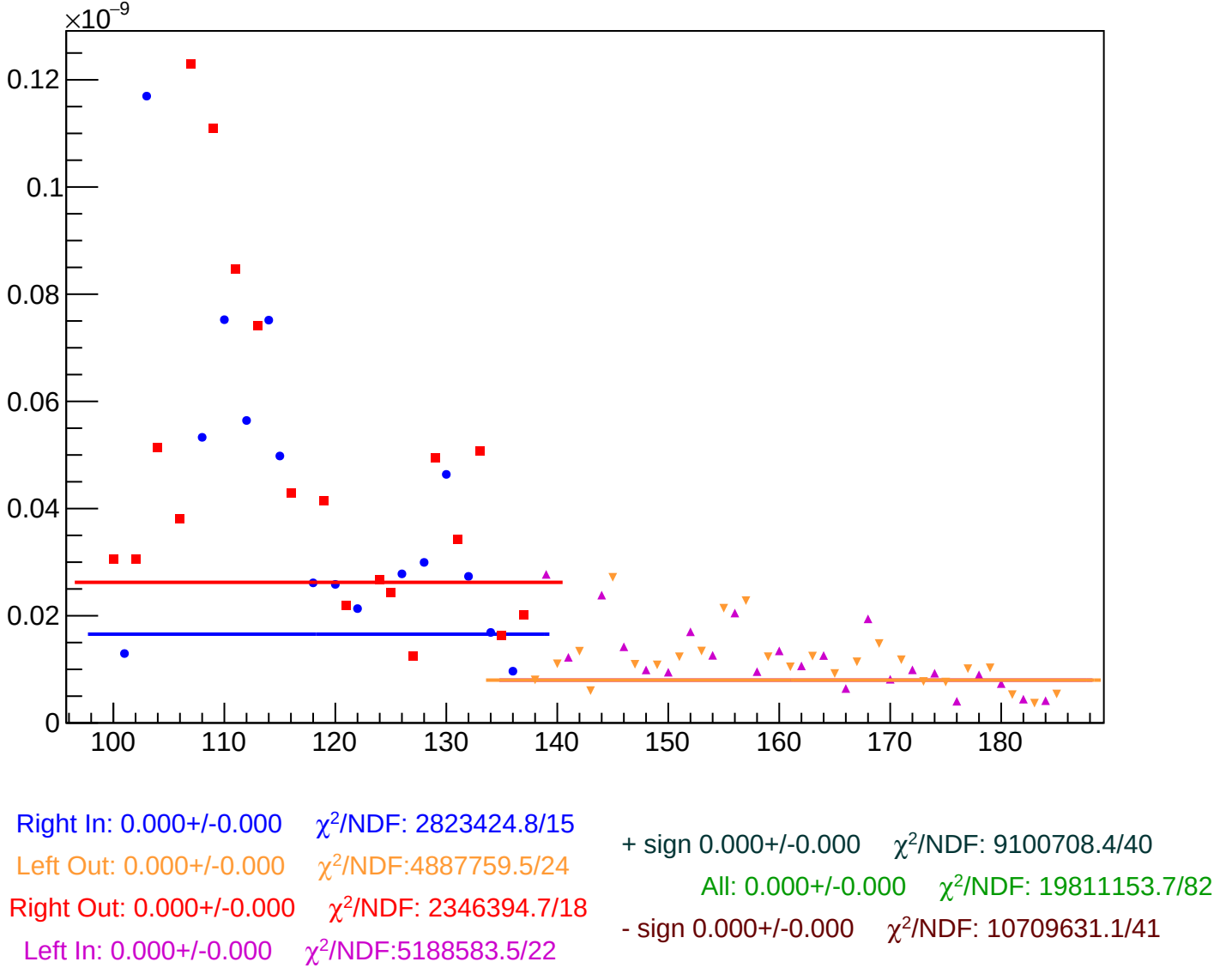
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

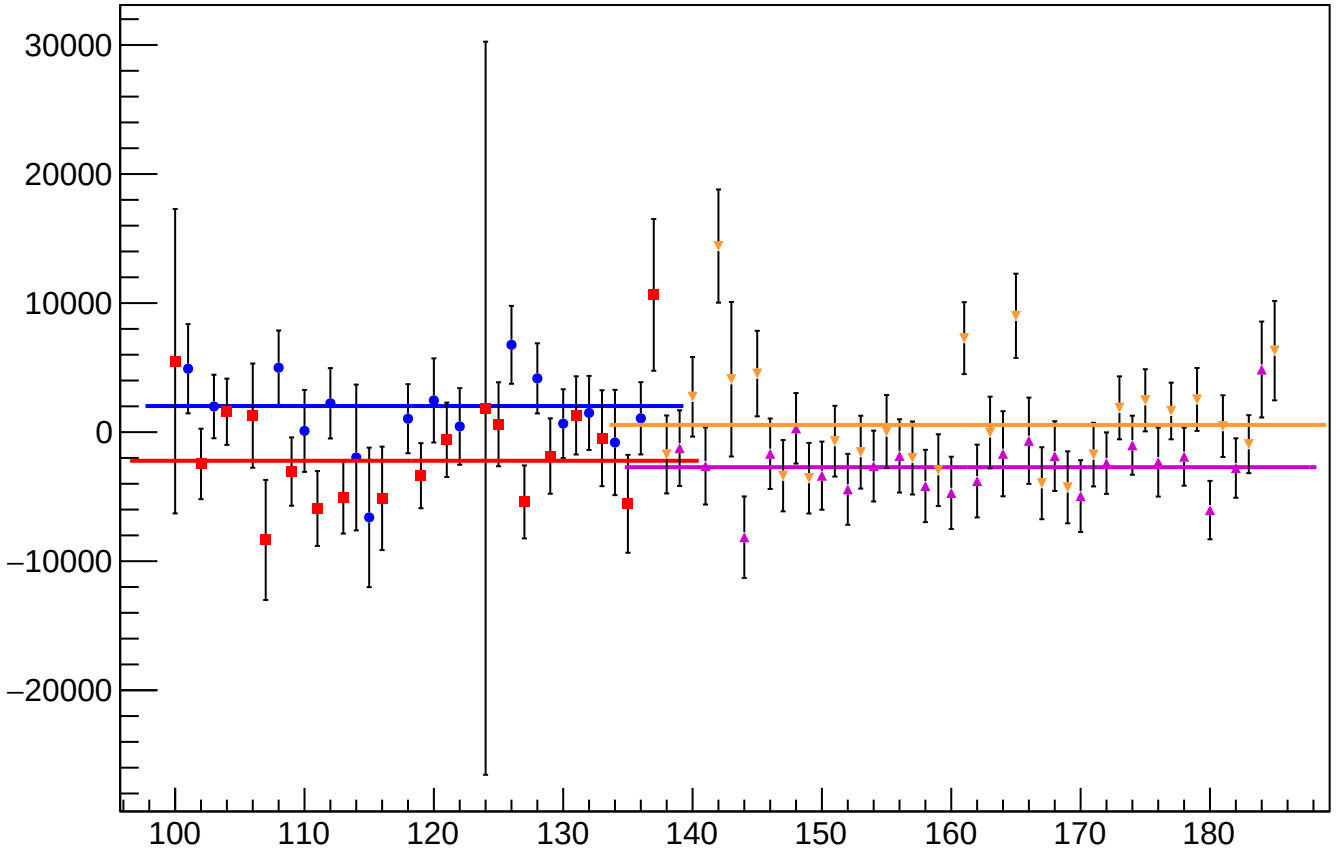
+ sign 0.000+/-0.000 χ^2/NDF: 63.7/40

All: 0.000+/-0.000 χ^2/NDF: 130.6/82

- 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:4887759.5/24
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: 9100708.4/40
All: 0.000+/-0.000 χ²/NDF: 19811153.7/82
- sign 0.000+/-0.000 χ²/NDF: 10709631.1/41

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

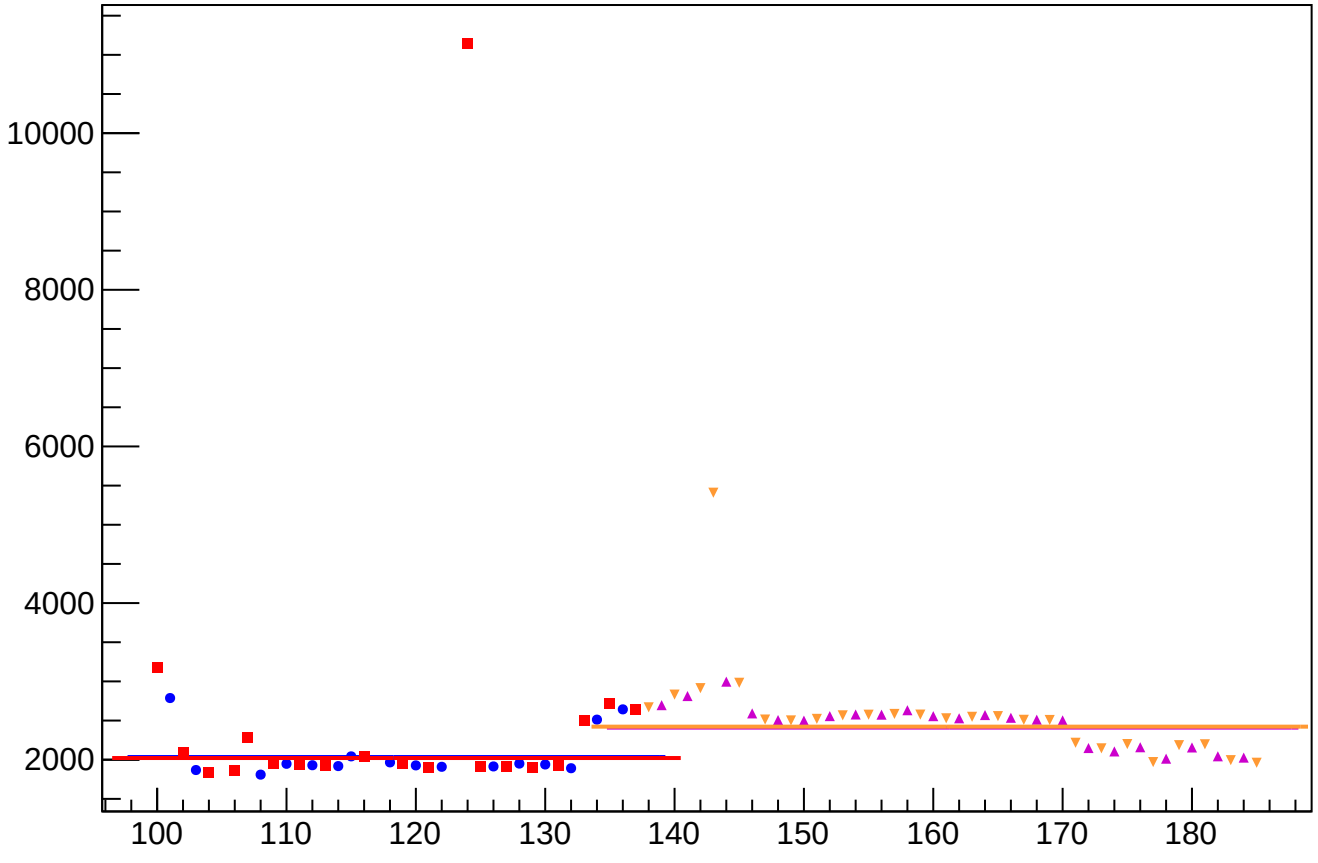
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1069.263+/-450.323 χ^2/NDF: 55.9/40

All: -722.277+/-319.446 χ^2/NDF: 120.5/82

- 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: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

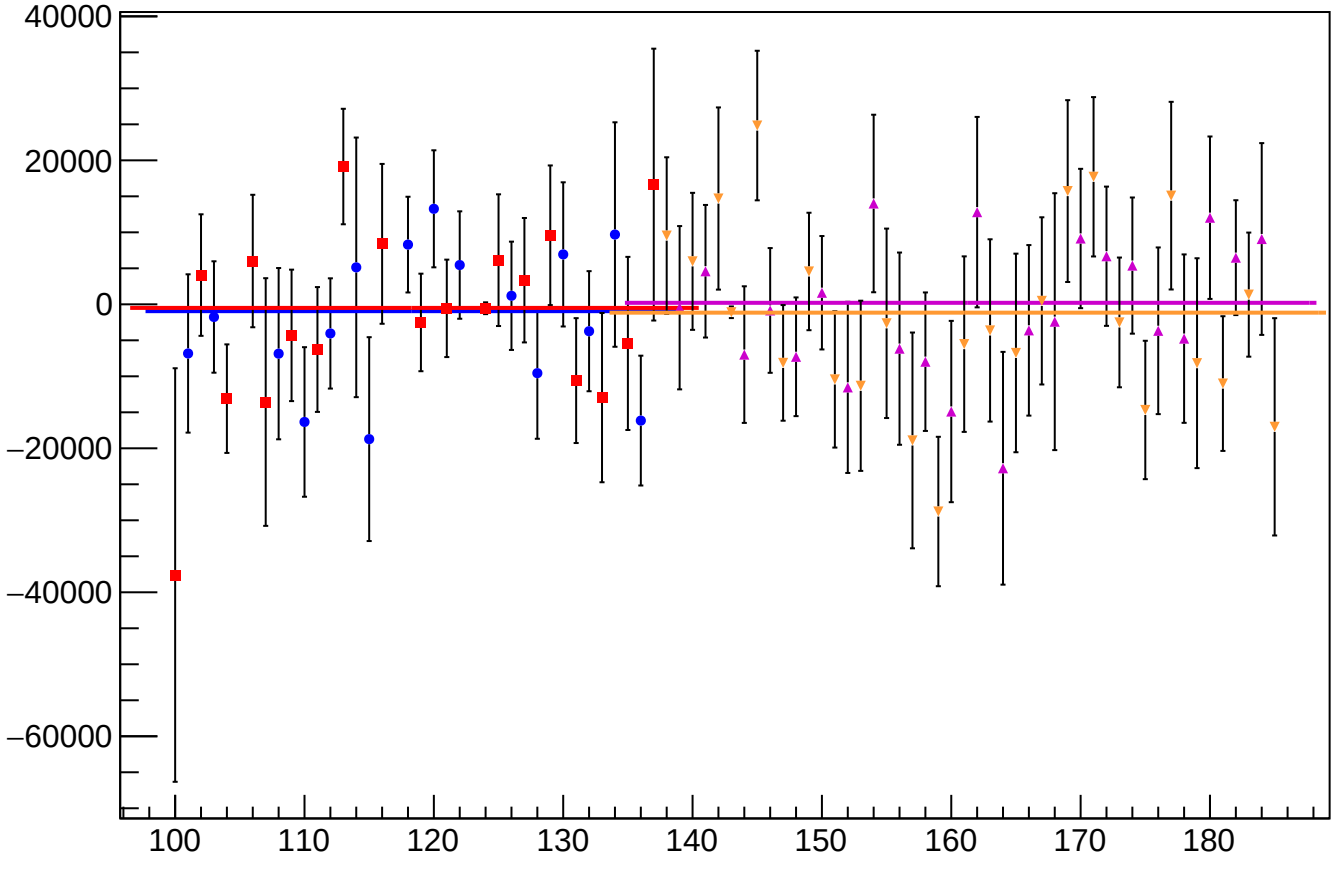
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.479+/-0.318 χ^2/NDF: 1552276.3/40

All: 2278.957+/-0.226 χ^2/NDF: 2710298.9/82

- 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: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

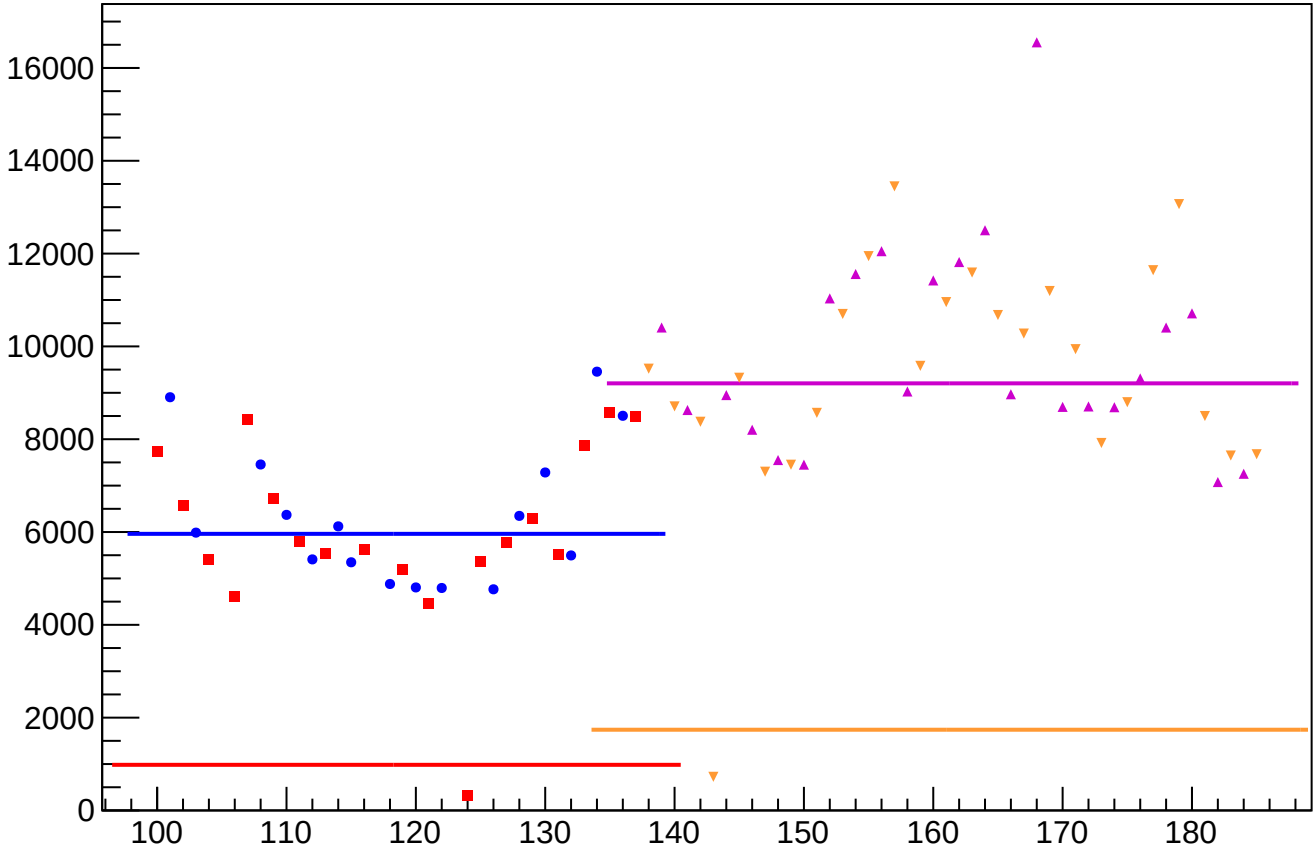
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1137.529+/-719.071 χ^2/NDF: 47.3/40

All: -781.878+/-510.597 χ^2/NDF: 79.7/82

- 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: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

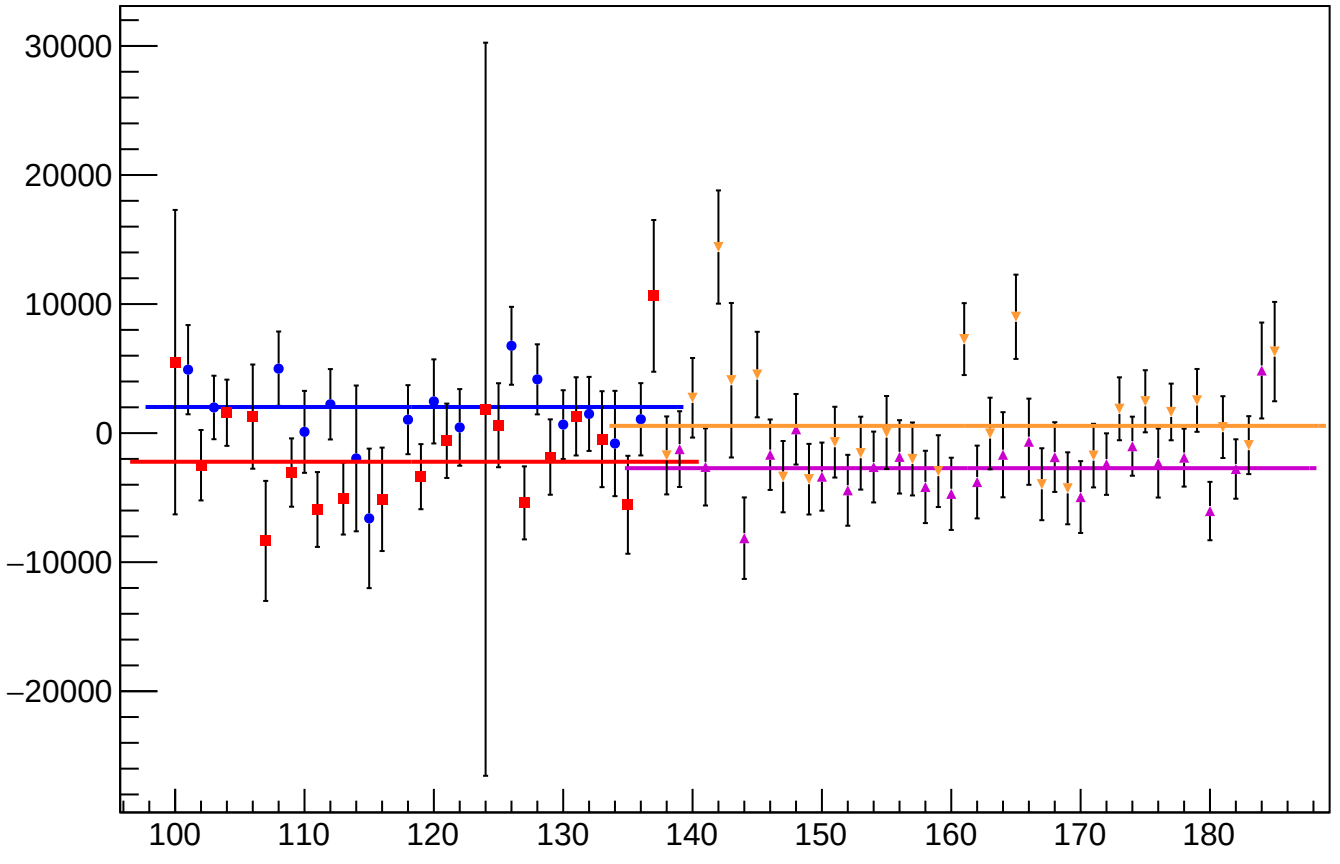
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2160.090+/-0.508 χ^2/NDF: 34603640.5/40

All: 2021.451+/-0.361 χ^2/NDF: 72430832.3/8

- 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: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

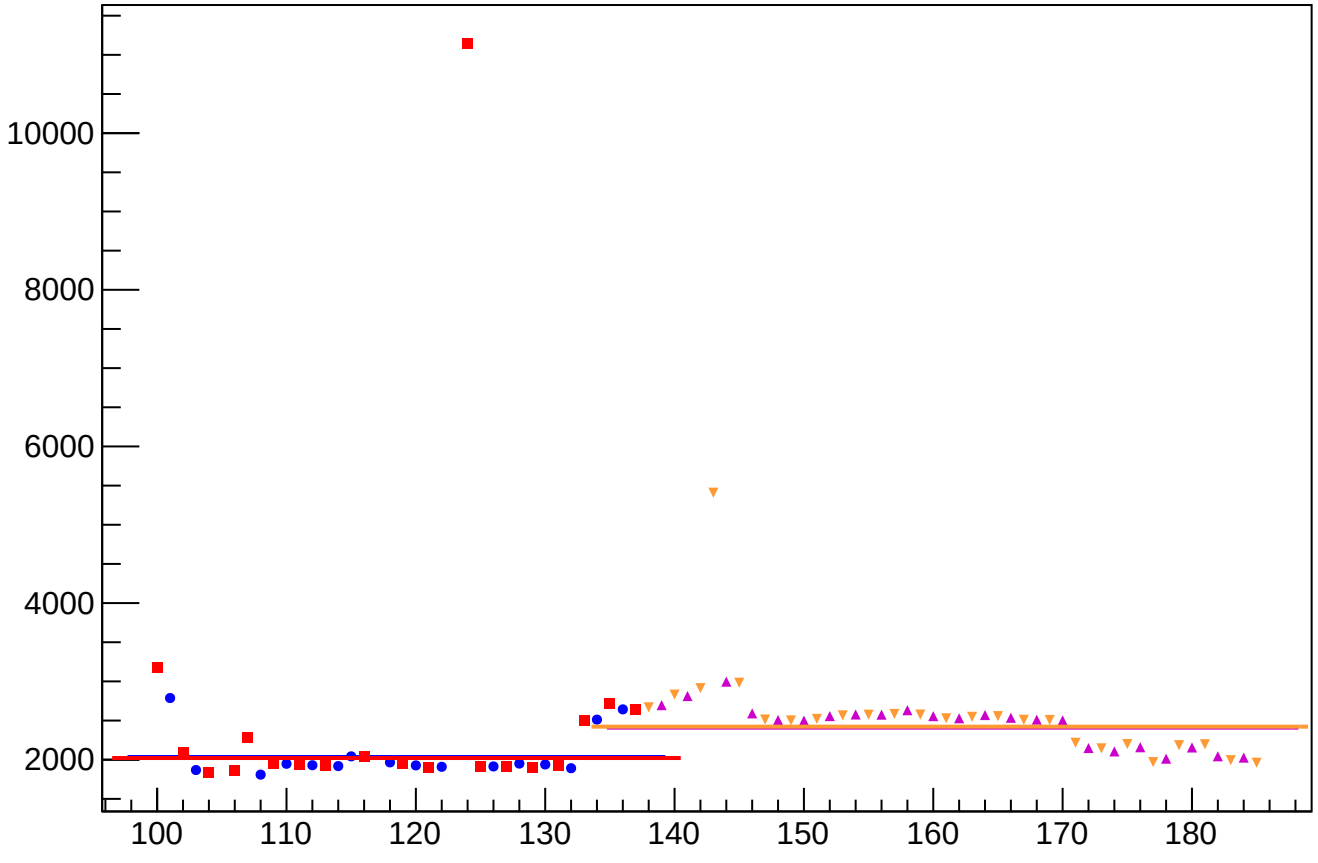
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1069.308+/-450.323 χ^2/NDF: 55.9/40

All: -722.565+/-319.447 χ^2/NDF: 120.5/82

- 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: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

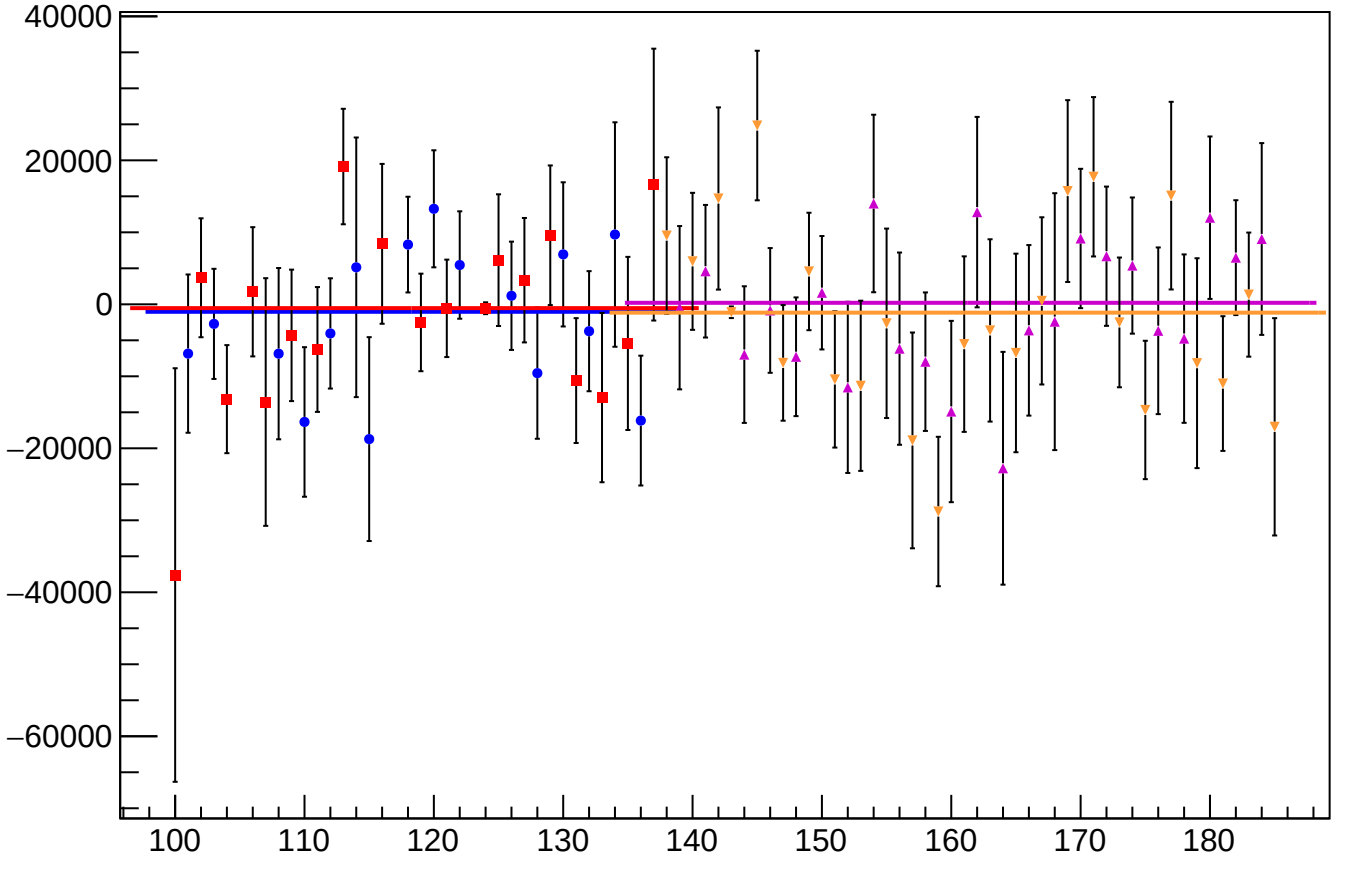
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.479+/-0.318 χ^2/NDF: 1552276.4/40

All: 2278.962+/-0.226 χ^2/NDF: 2710267.3/82

- 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: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

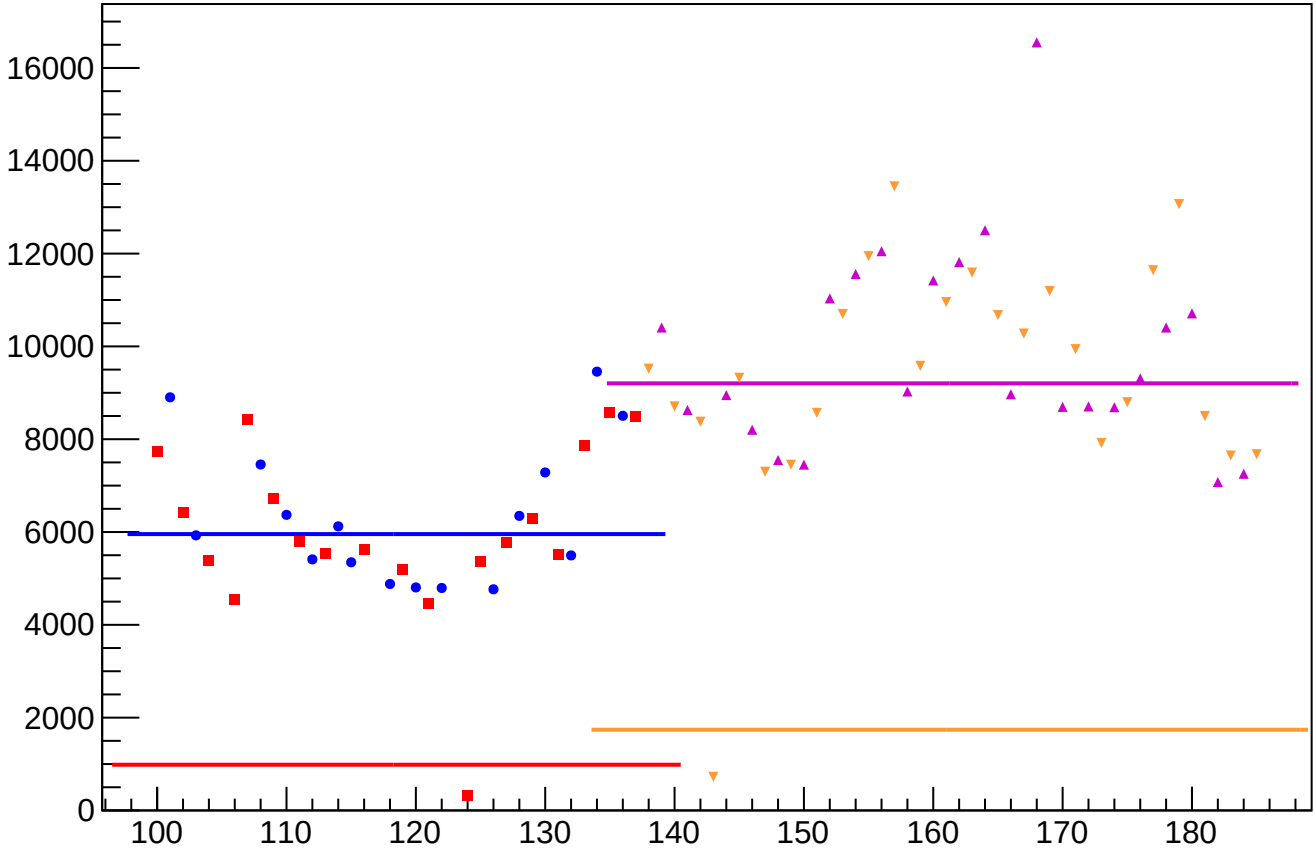
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1145.999+/-718.942 χ^2/NDF: 47.3/40

All: -800.829+/-510.451 χ^2/NDF: 79.3/82

- 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: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

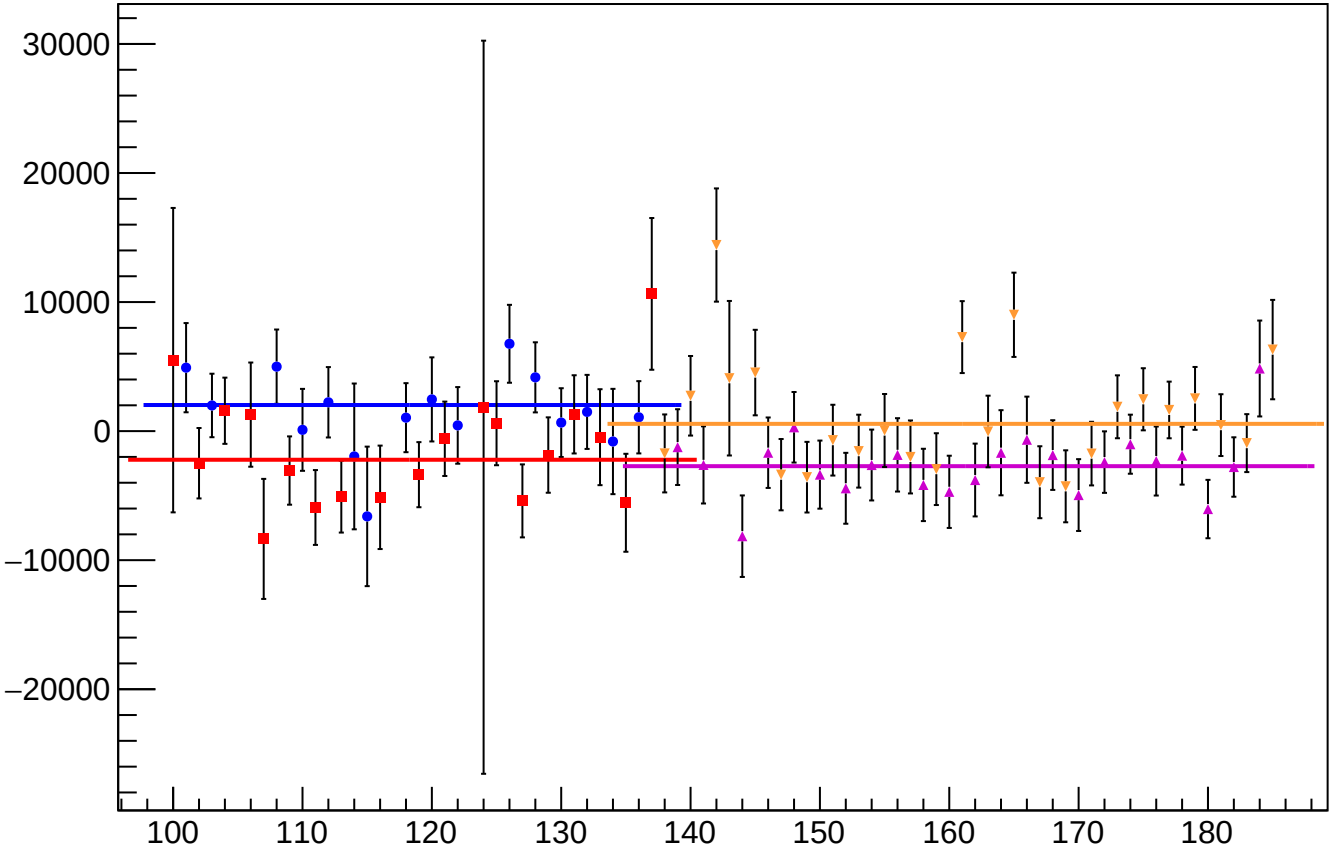
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2160.081+/-0.508 χ^2/NDF: 34601714.0/40

All: 2021.831+/-0.361 χ^2/NDF: 72416130.8/8

- 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: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

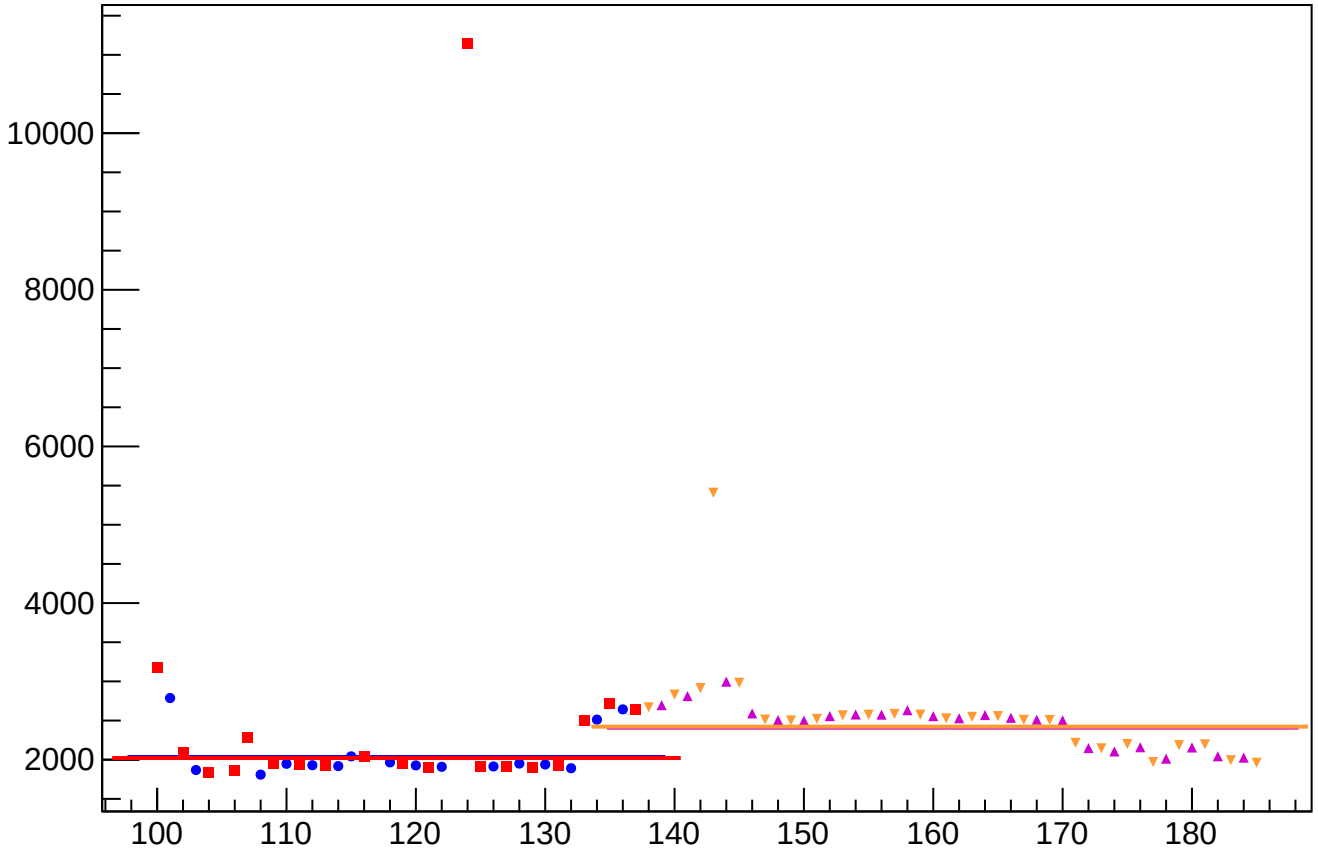
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1069.308+/-450.323 χ^2/NDF: 55.9/40

All: -722.565+/-319.447 χ^2/NDF: 120.5/82

- 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: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

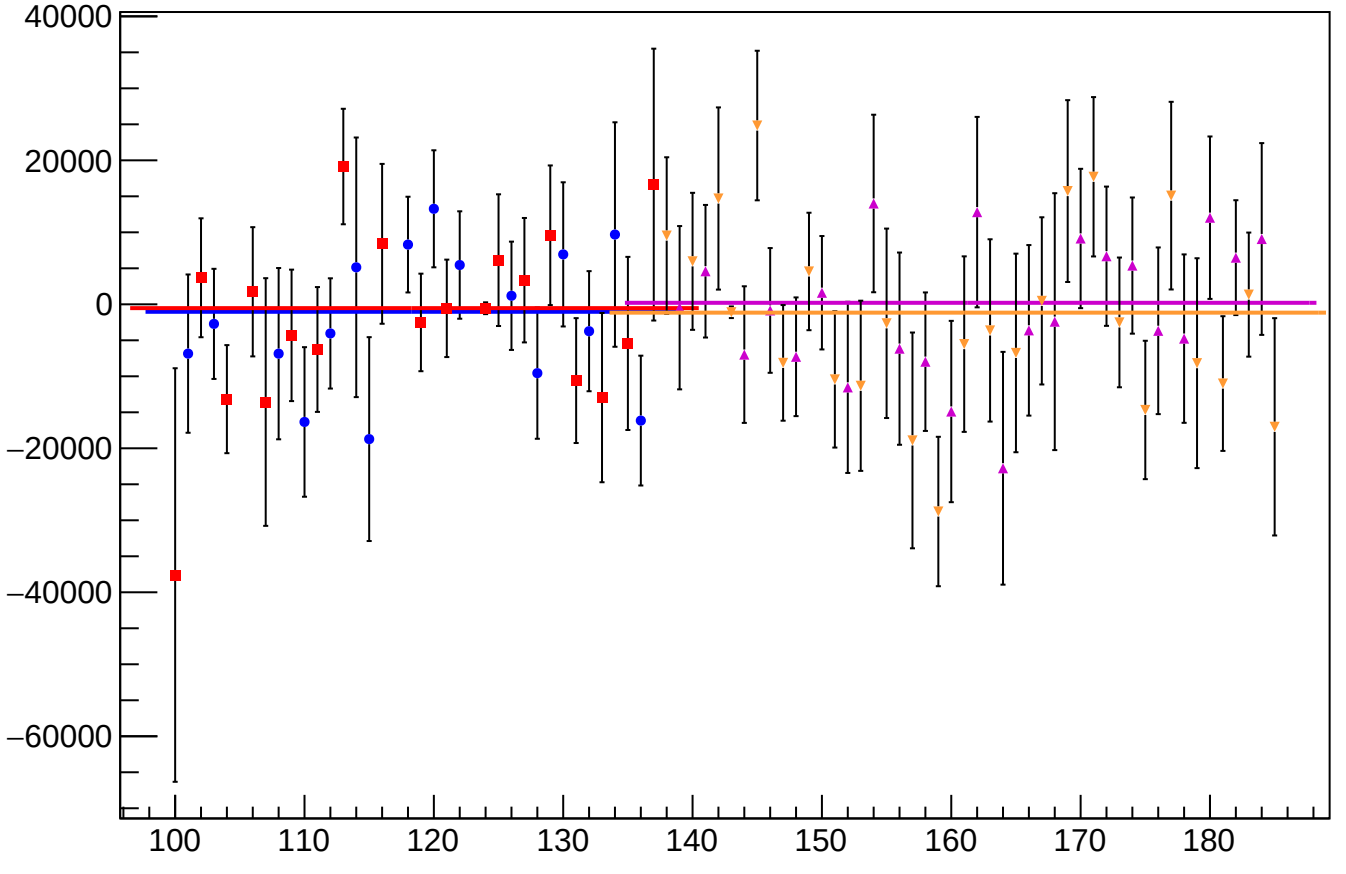
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.479+/-0.318 χ^2/NDF: 1552276.4/40

All: 2278.962+/-0.226 χ^2/NDF: 2710267.3/82

- 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: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

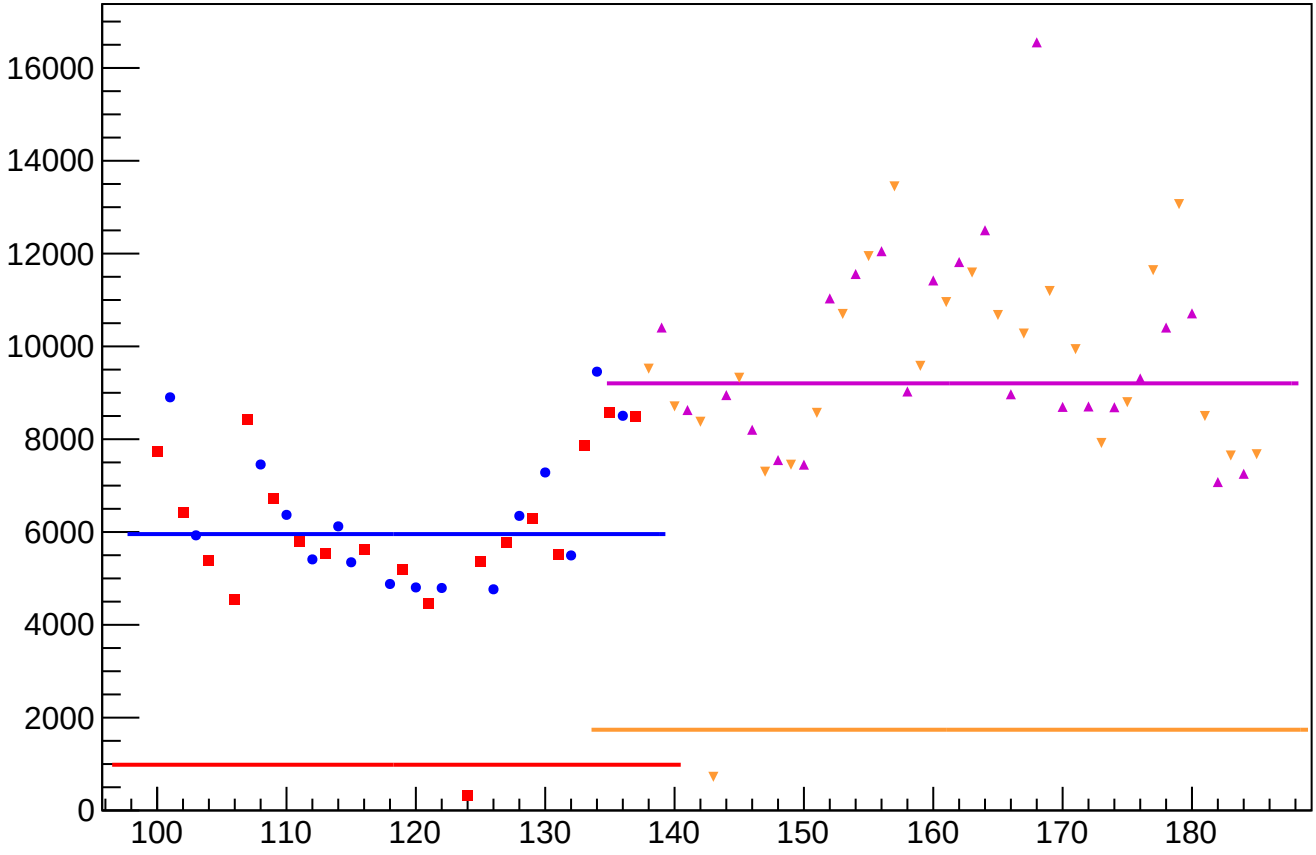
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1145.999+/-718.942 χ^2/NDF: 47.3/40

All: -800.829+/-510.451 χ^2/NDF: 79.3/82

- 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: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

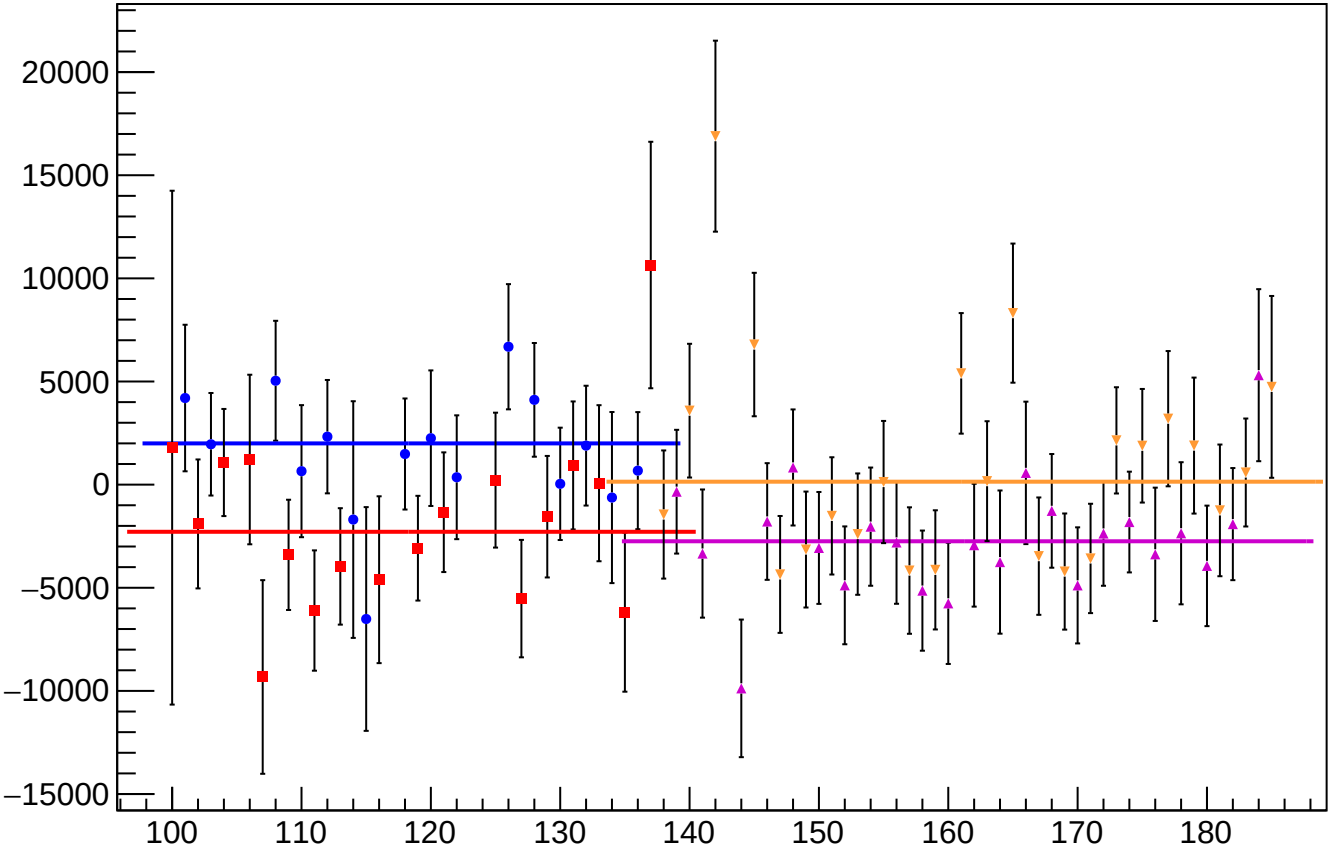
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2160.081+/-0.508 χ^2/NDF: 34601714.0/40

All: 2021.831+/-0.361 χ^2/NDF: 72416130.8/8

- sign 1881.292+/-0.513 χ^2/NDF: 37665280.2/41

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

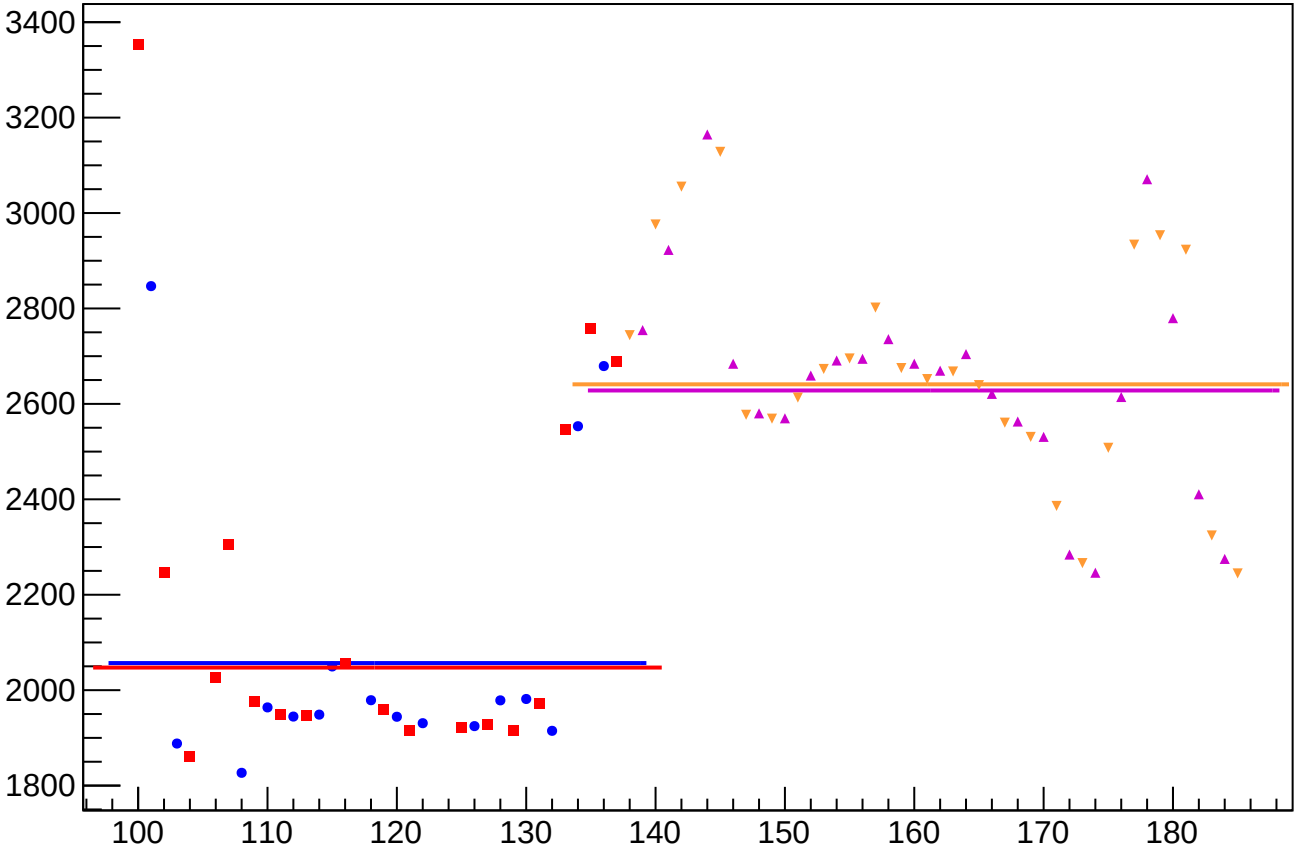
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 862.638+/-481.745 χ^2/NDF: 58.3/39

All: -853.327+/-340.520 χ^2/NDF: 116.0/80

- 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: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

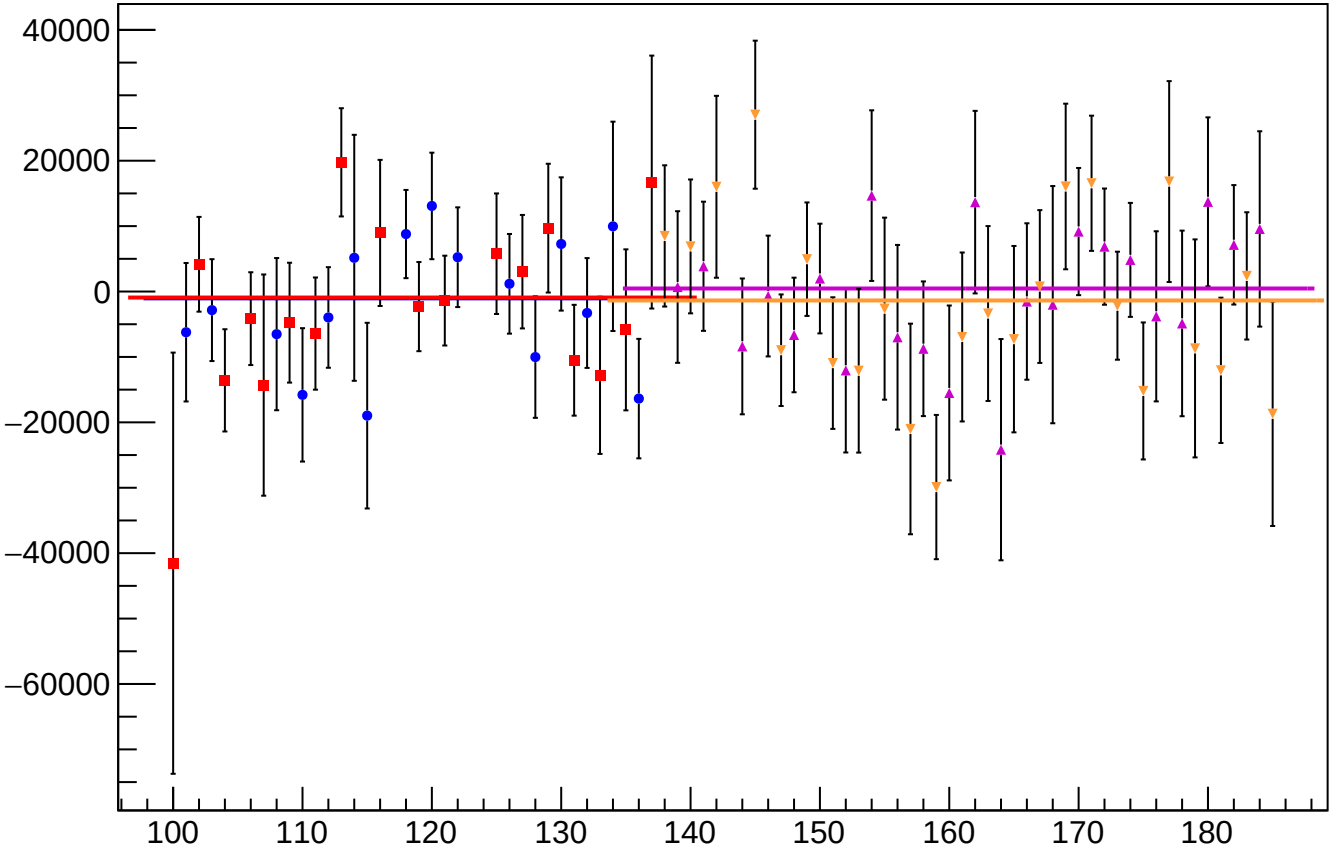
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2414.406+/-0.341 χ^2/NDF: 1222146.0/39

All: 2407.938+/-0.241 χ^2/NDF: 2350271.4/80

- 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: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

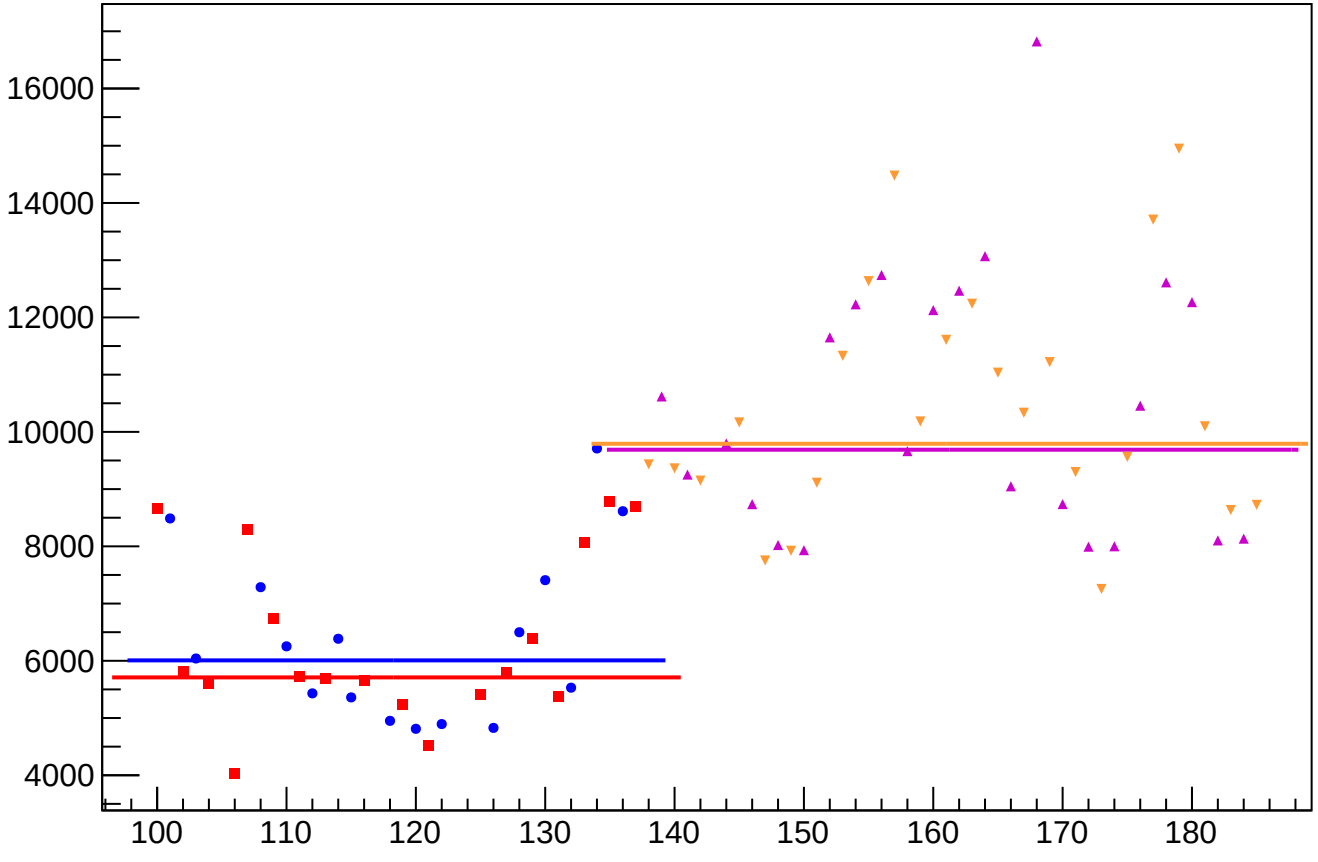
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1202.454+/-1633.618 χ^2/NDF: 46.6/39

All: -723.800+/-1134.063 χ^2/NDF: 78.4/80

- 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: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

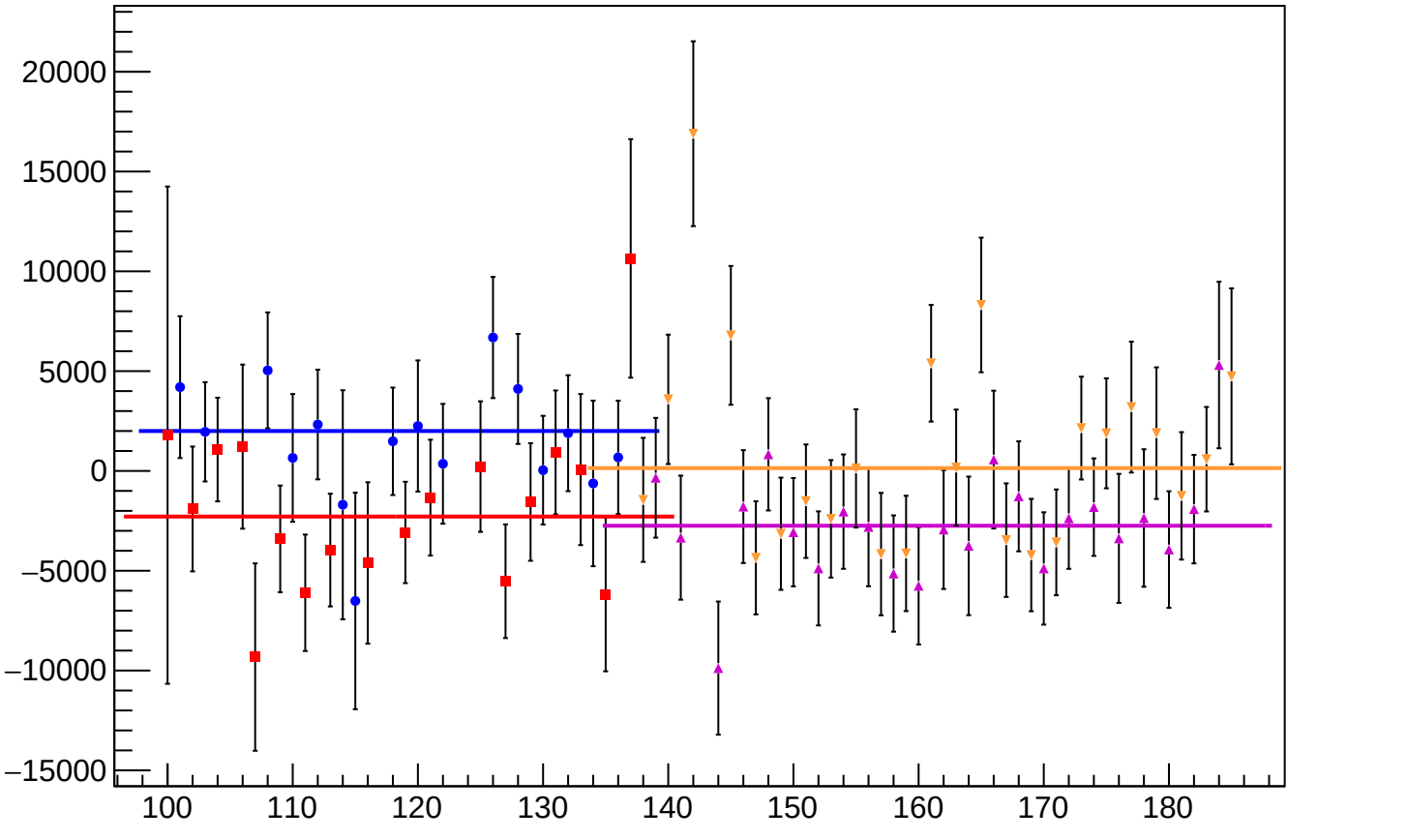
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

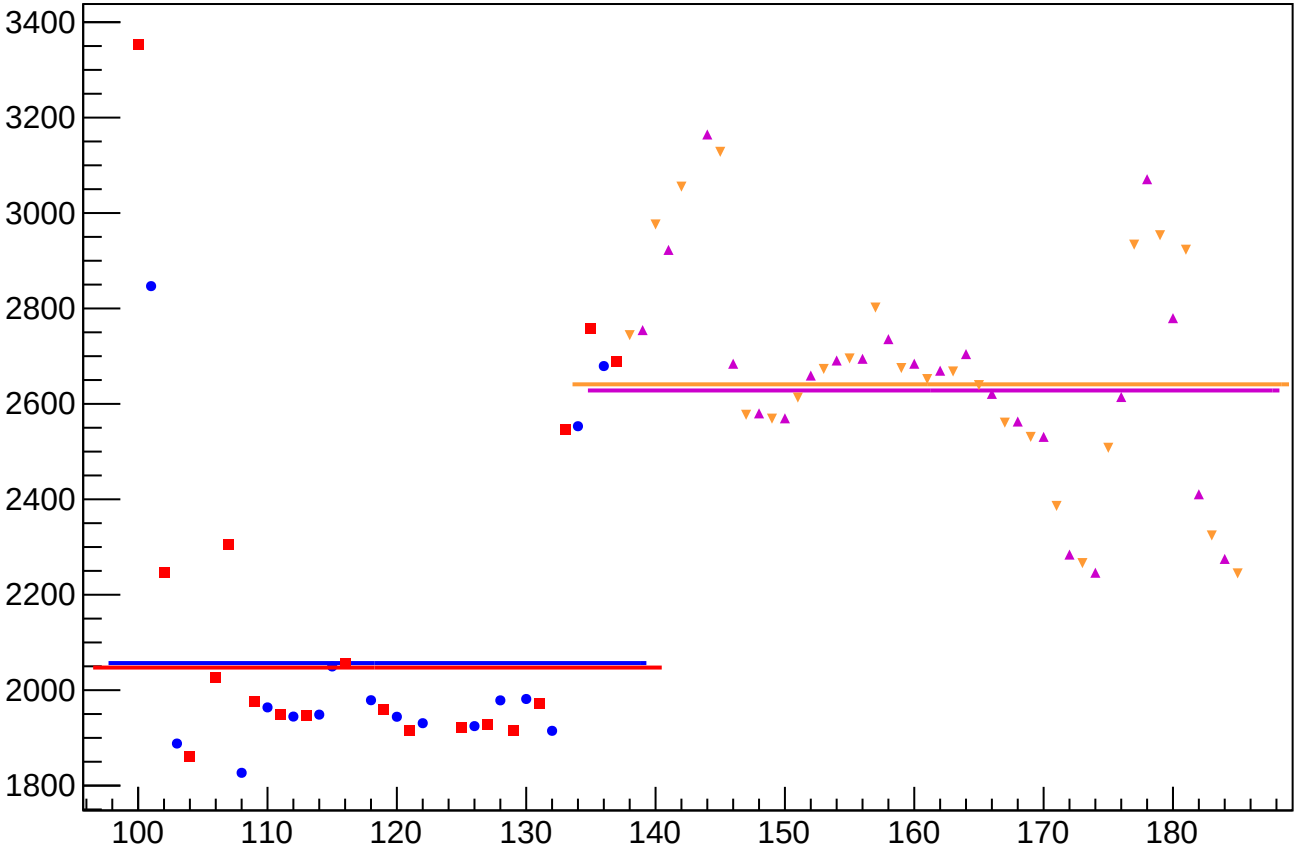
+ sign 7873.880+/-1.155 χ^2/NDF: 4556395.6/39

All: 7707.896+/-0.802 χ^2/NDF: 9681025.9/80

- 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: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: -2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: -2745.980+/-616.124 χ²/NDF:15.4/22
+ sign 862.634+/-481.745 χ²/NDF: 58.3/39
All: -853.329+/-340.520 χ²/NDF: 116.0/80
- 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: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

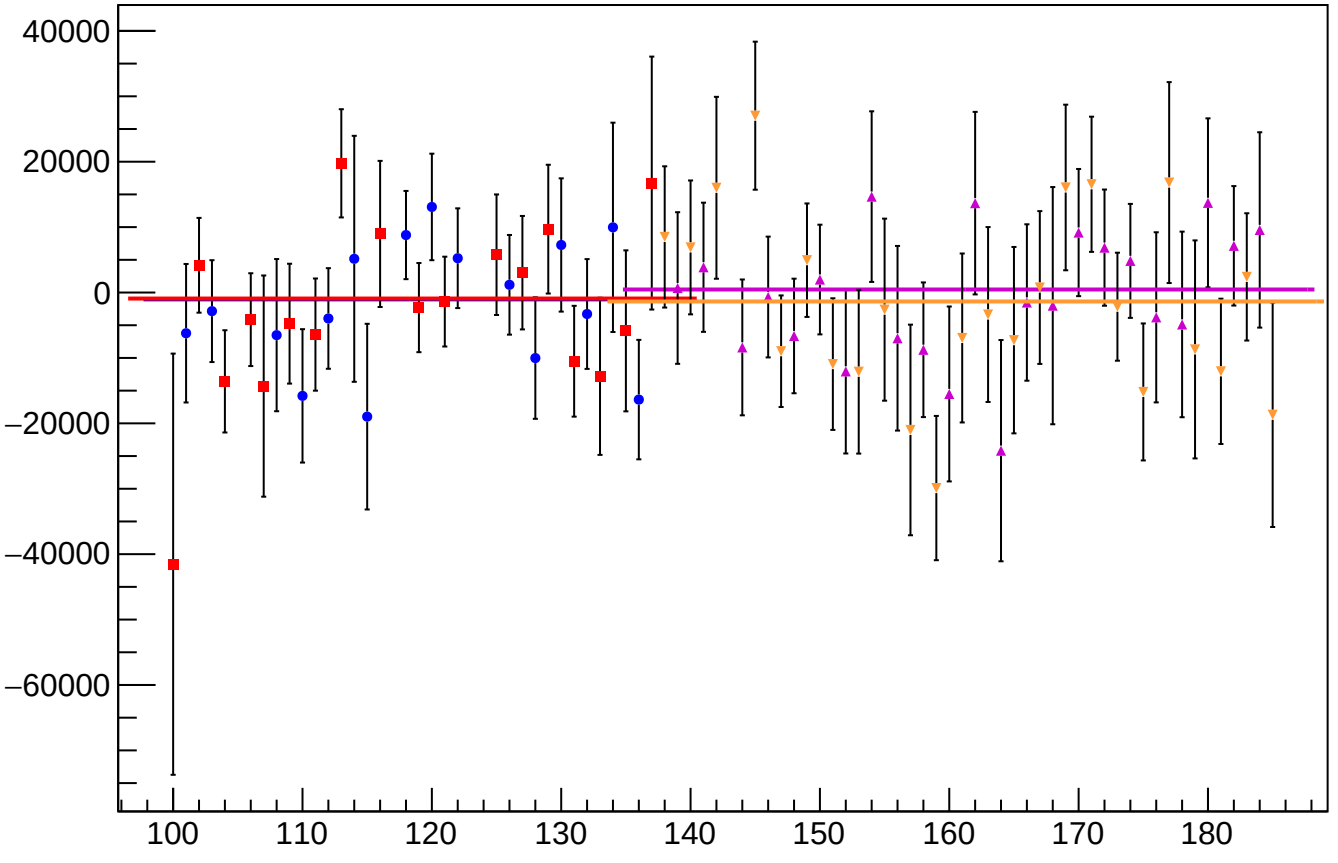
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2414.407+/-0.341 χ^2/NDF: 1222160.0/39

All: 2407.939+/-0.241 χ^2/NDF: 2350300.1/80

- sign 2401.488+/-0.340 χ^2/NDF: 1127419.9/40

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

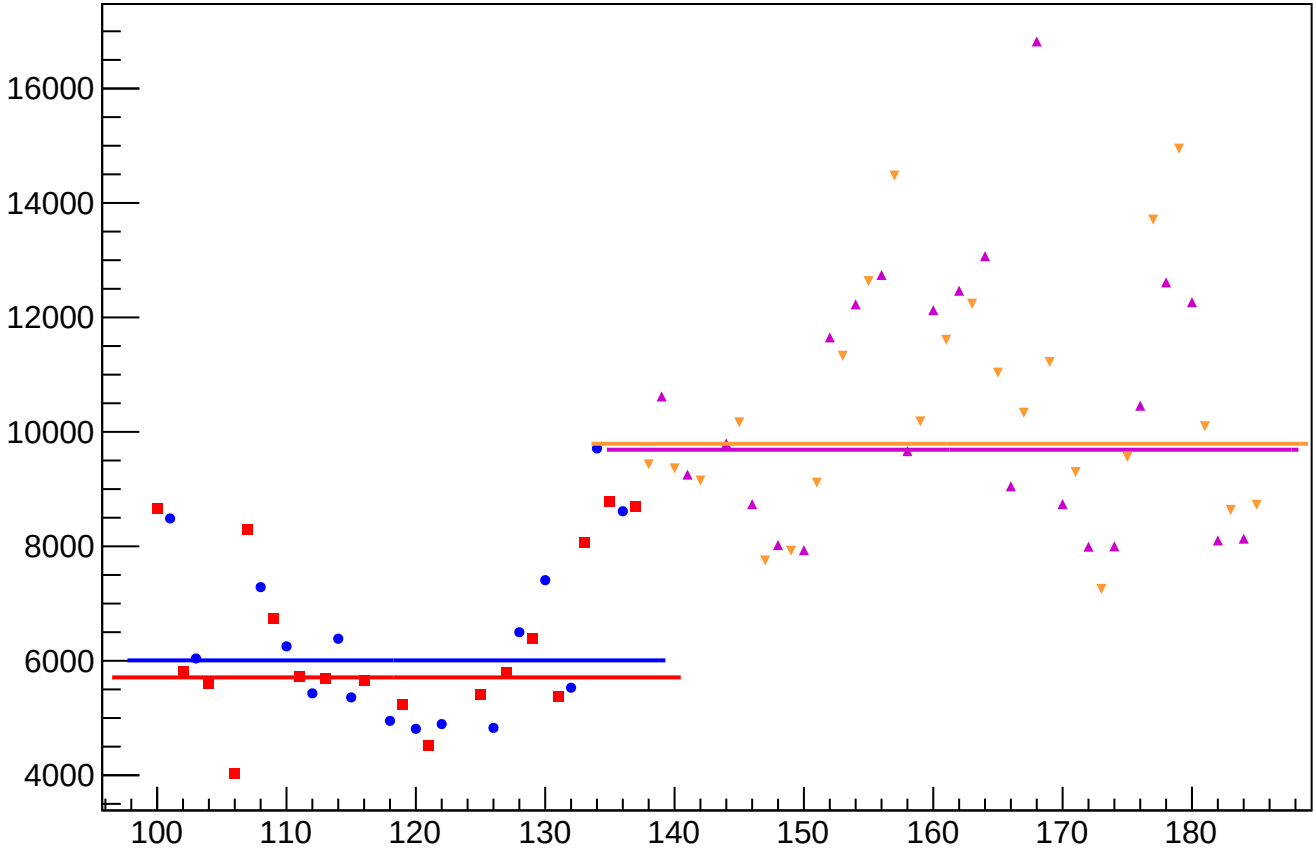
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1202.452+/-1633.617 χ^2/NDF: 46.6/39

All: -723.801+/-1134.063 χ^2/NDF: 78.4/80

- 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: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

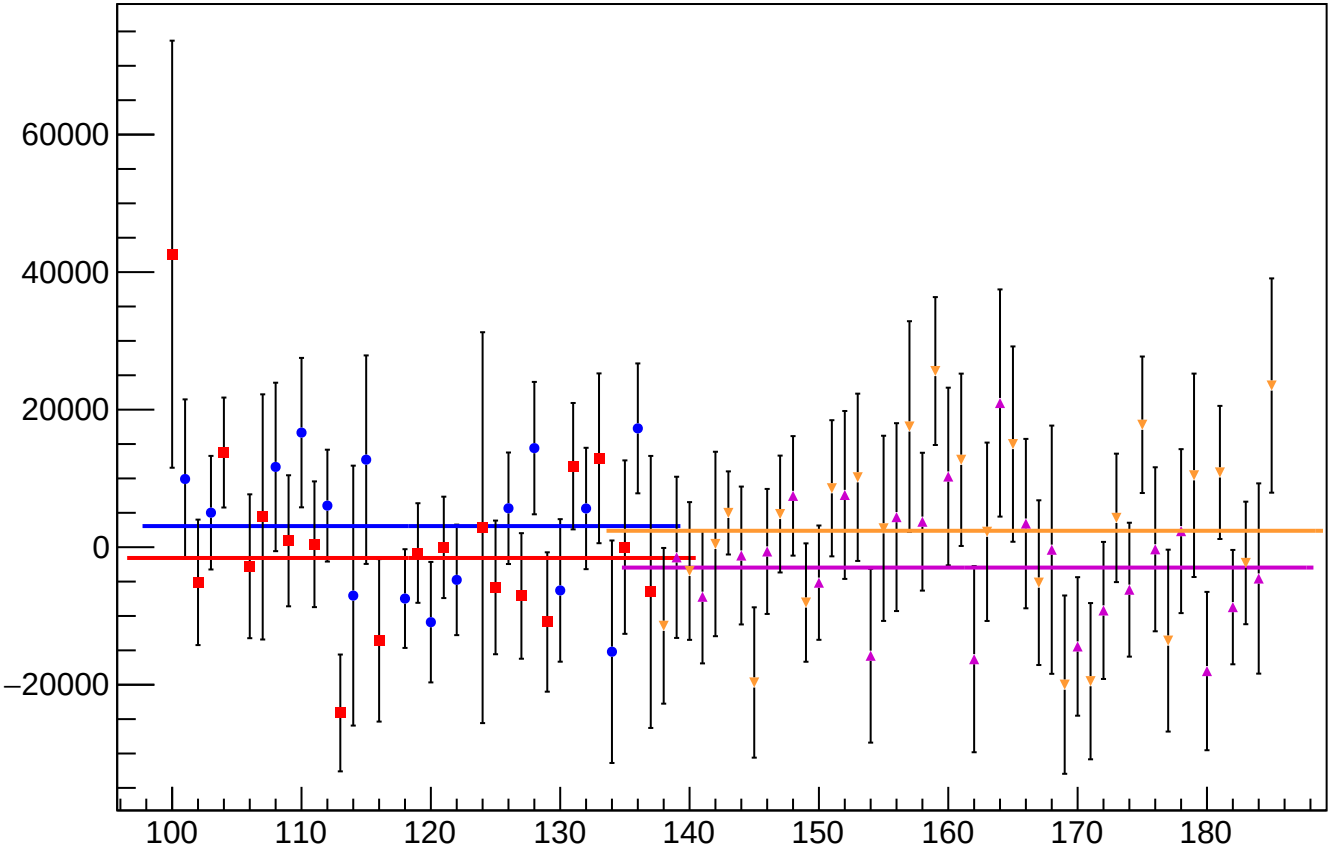
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7873.870+/-1.155 χ^2/NDF: 4556459.4/39

All: 7707.885+/-0.802 χ^2/NDF: 9681150.0/80

- 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: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

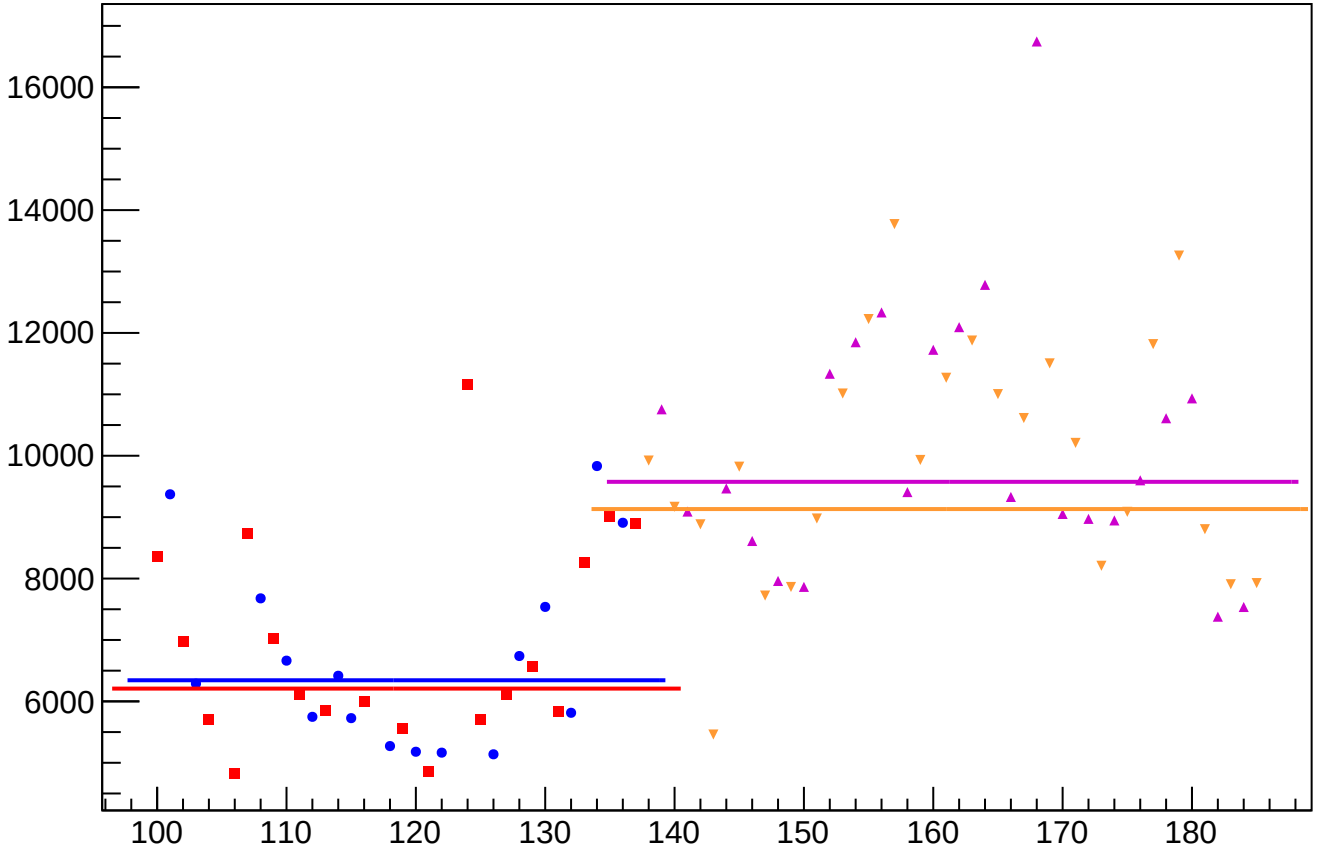
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

\+ sign 2686.683+/-1601.854 χ^2/NDF: 44.7/40

All: 247.185+/-1142.919 χ^2/NDF: 81.7/82

\- 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: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

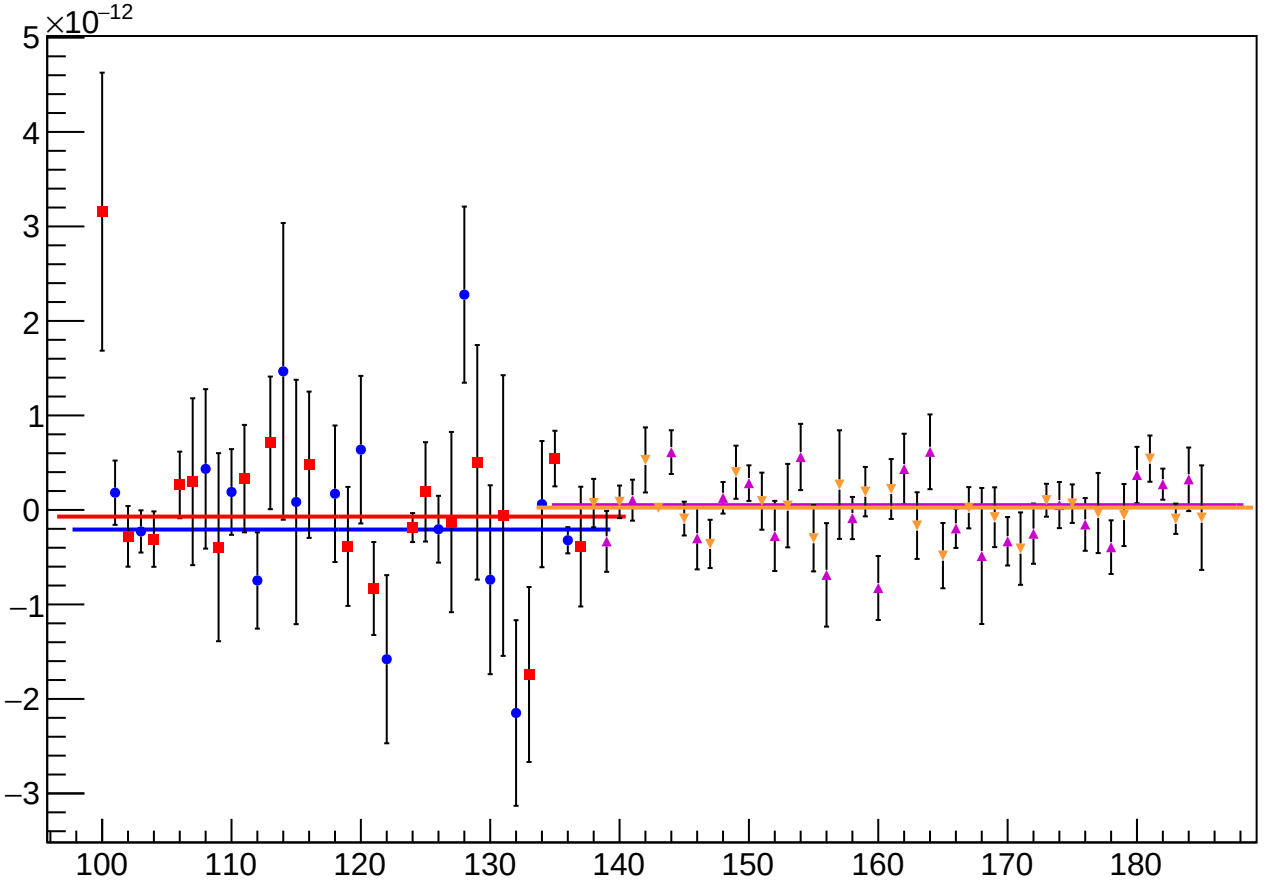
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 7910.935+/-1.133 χ^2/NDF: 3924078.6/40

All: 7921.871+/-0.808 χ^2/NDF: 7679070.3/82

- 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:17.9/24

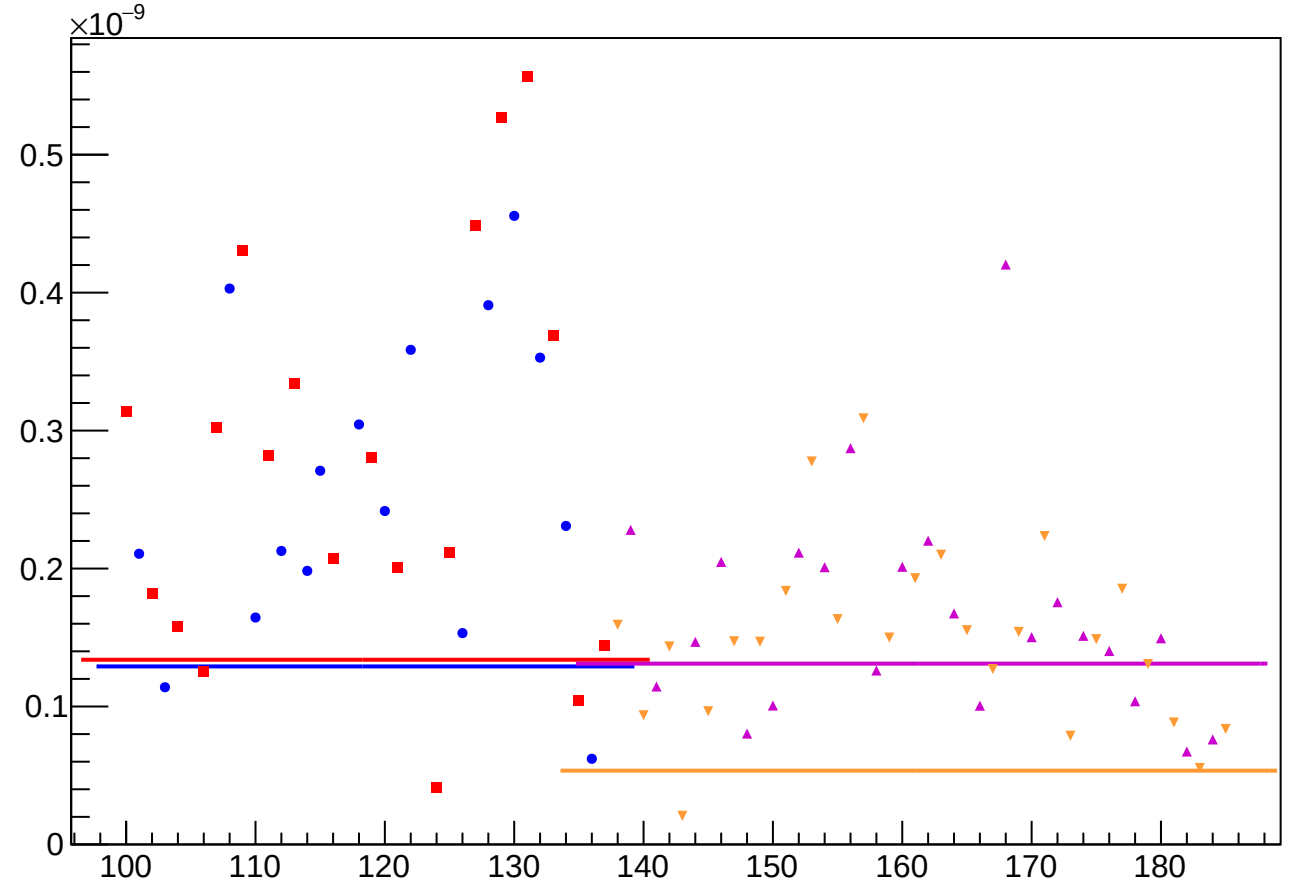
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/40

All: 0.000+/-0.000 χ^2/NDF: 103.2/82

- 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:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

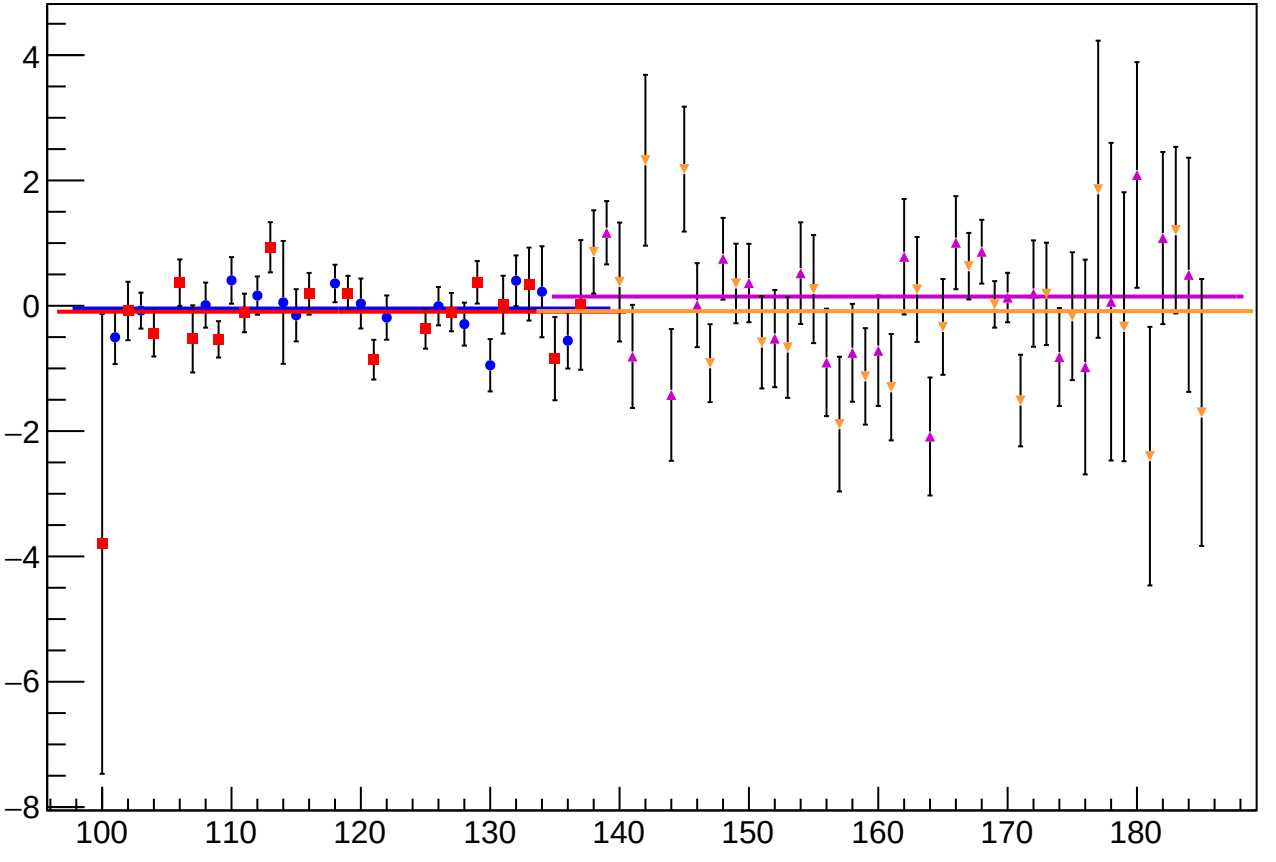
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10112060.7/40

All: 0.000+/-0.000 χ^2/NDF: 17678925.7/82

- 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: -0.085+/-0.161 χ^2/NDF:30.2/23

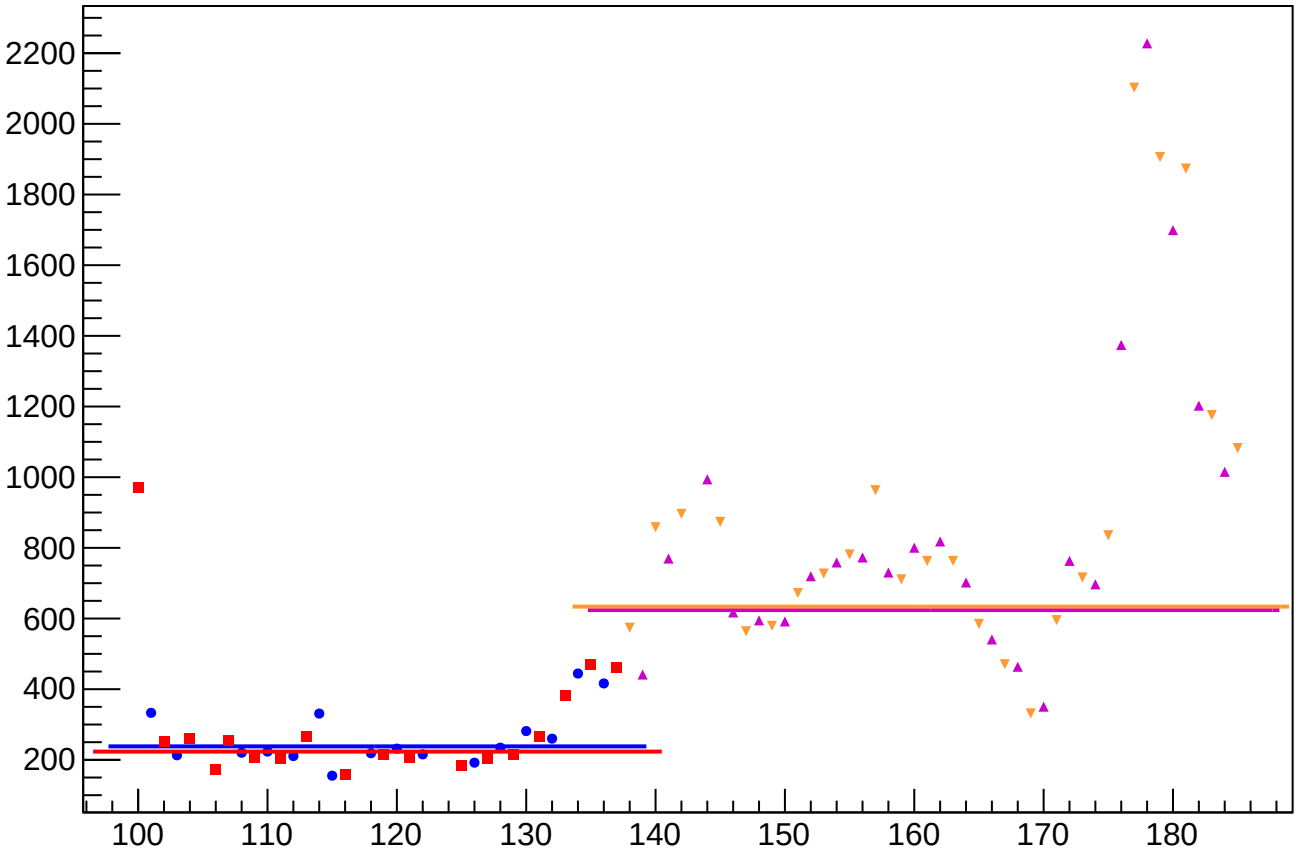
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.054+/-0.081 χ^2/NDF: 43.4/39

All: -0.045+/-0.056 χ^2/NDF: 96.9/80

- sign -0.035+/-0.078 χ^2/NDF: 53.5/40



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

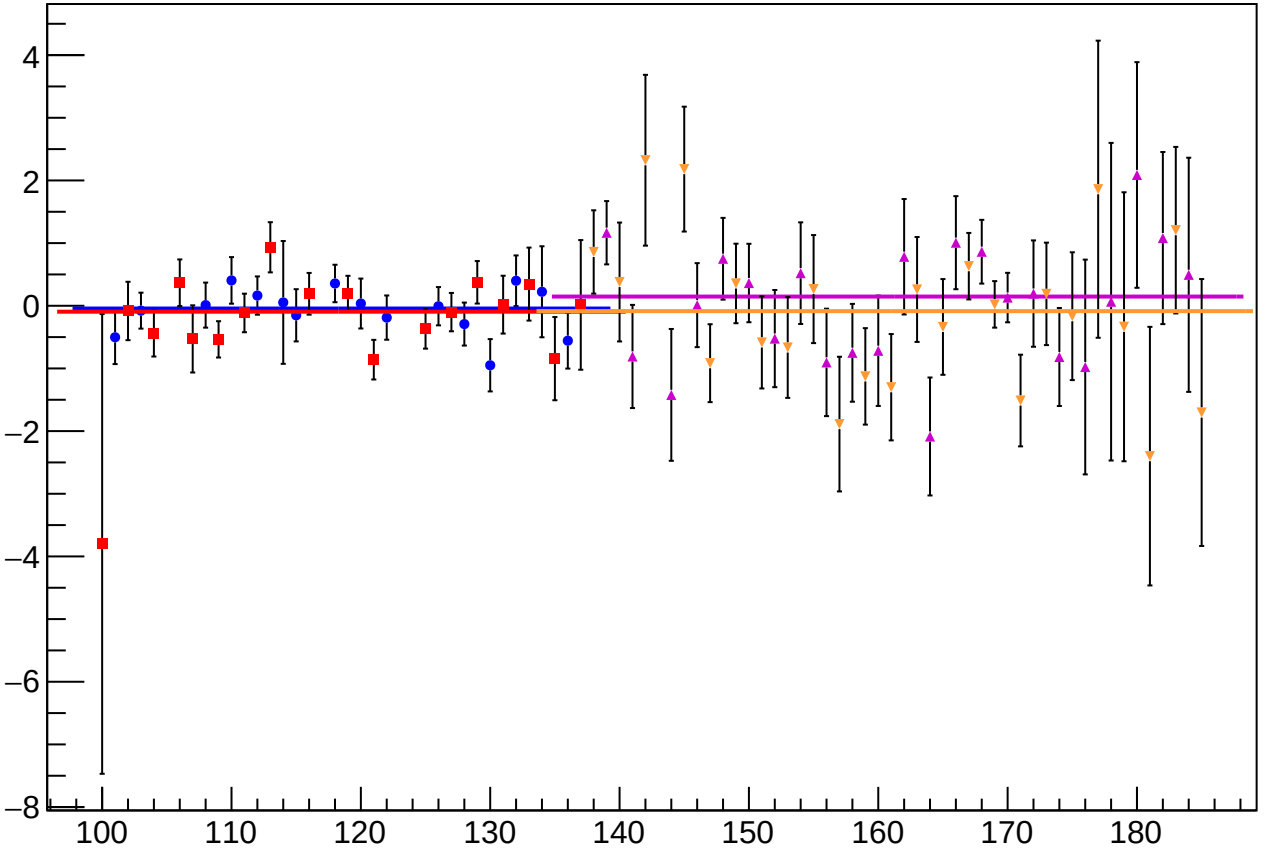
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.991+/-0.057 χ^2/NDF: 14776343.3/39

All: 329.382+/-0.040 χ^2/NDF: 29906077.4/80

- 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: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

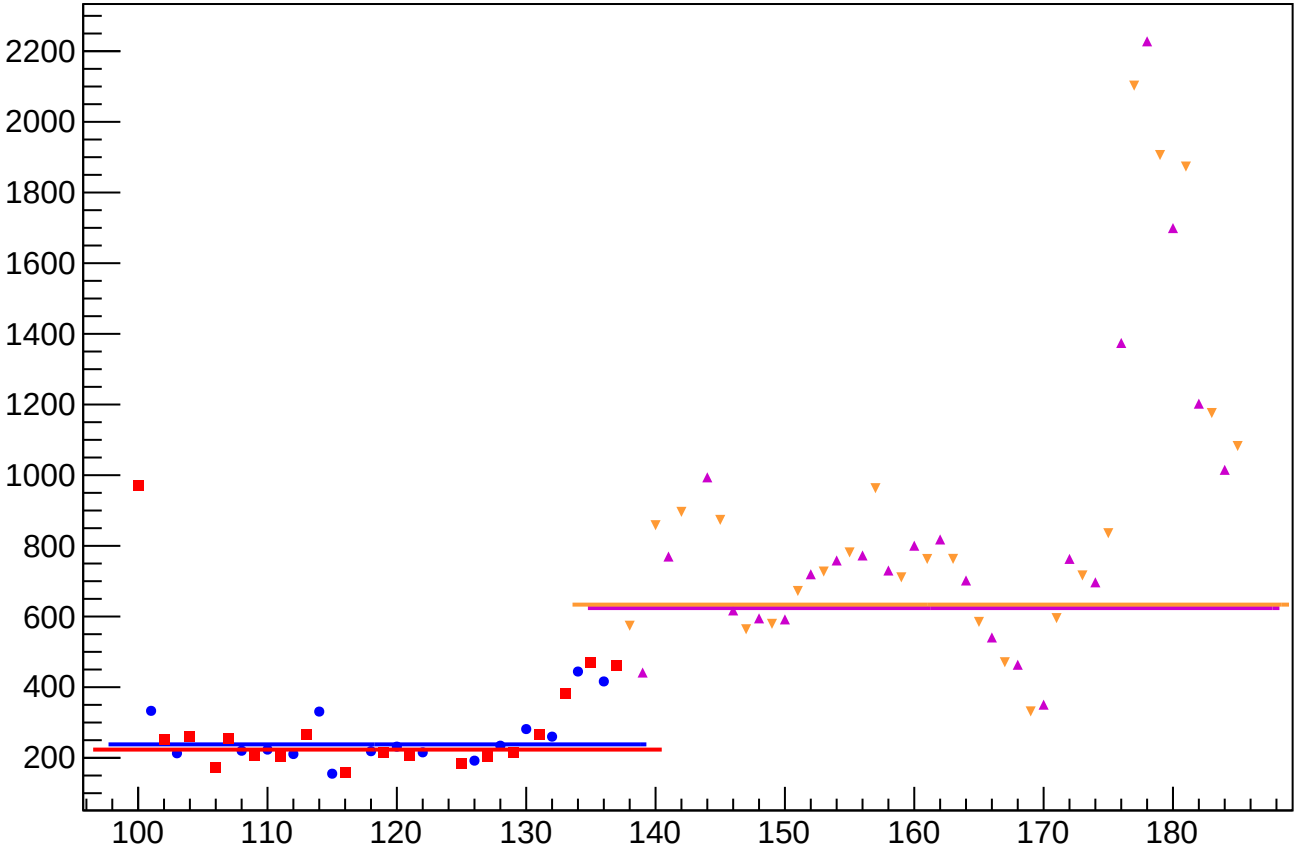
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.054+/-0.081 χ^2/NDF: 43.4/39

All: -0.045+/-0.056 χ^2/NDF: 96.9/80

- 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: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

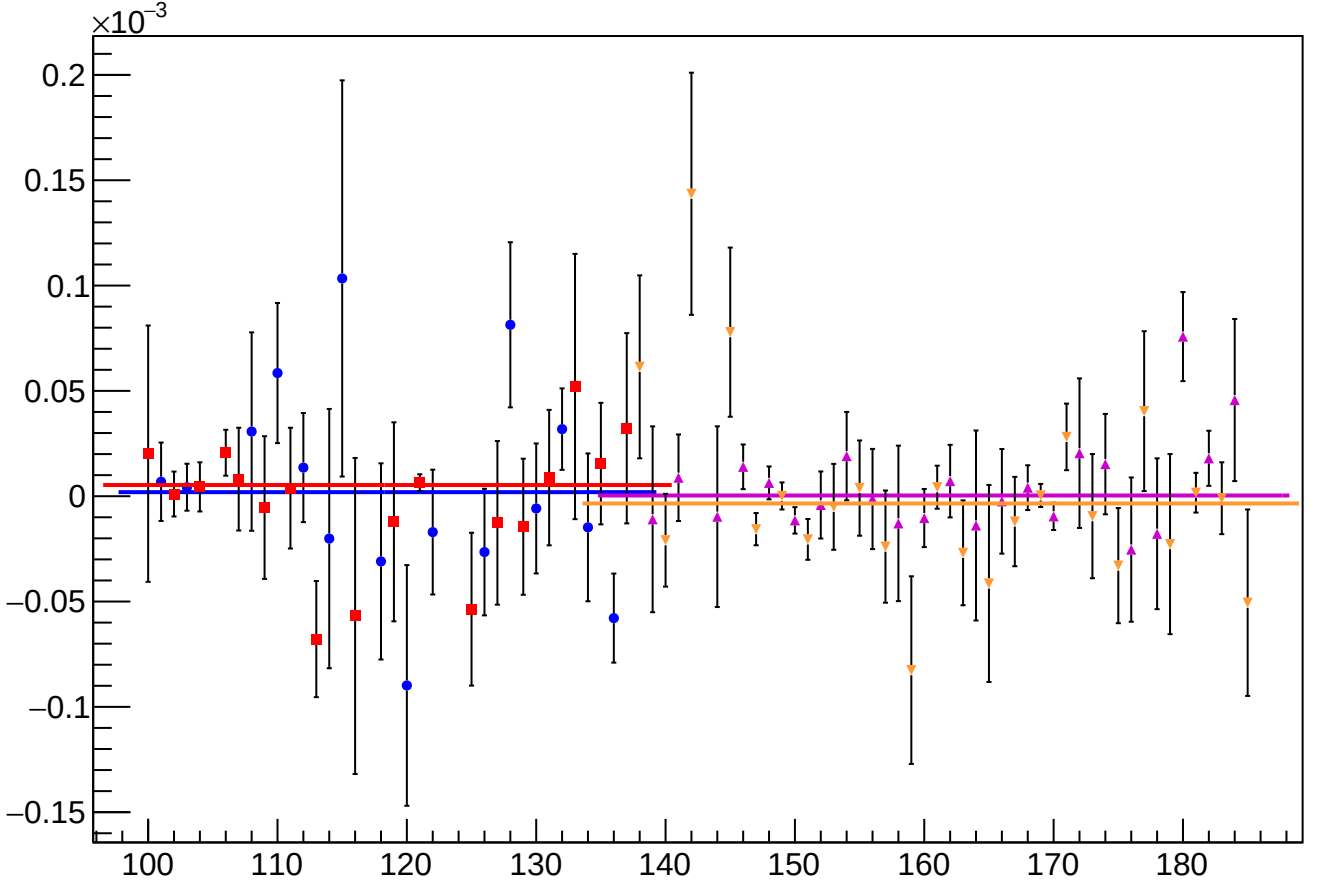
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.991+/-0.057 χ^2/NDF: 14776343.3/39

All: 329.382+/-0.040 χ^2/NDF: 29906077.4/80

- sign 321.367+/-0.055 χ^2/NDF: 15086216.6/40

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

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

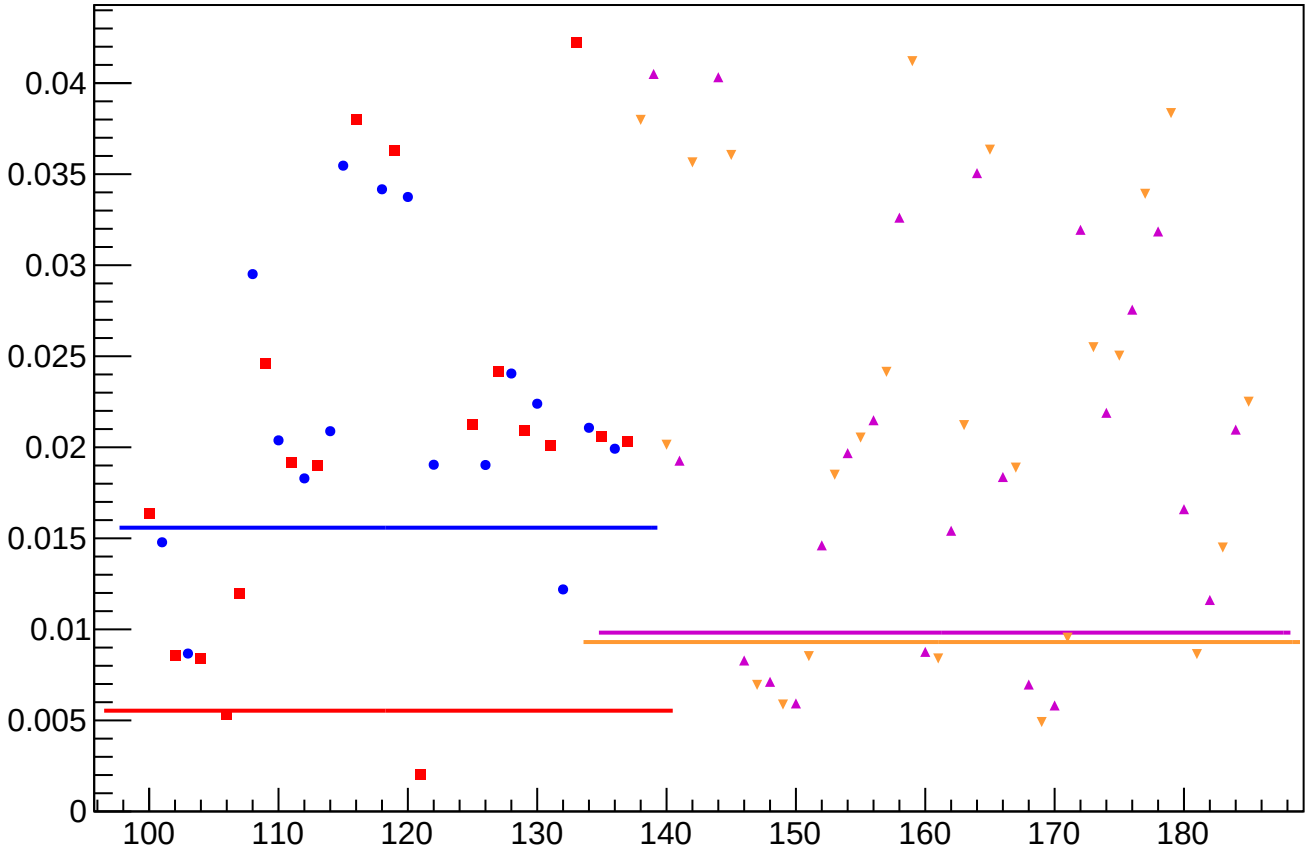
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/39

All: 0.000+/-0.000 χ^2/NDF: 105.1/80

- 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:12224529.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

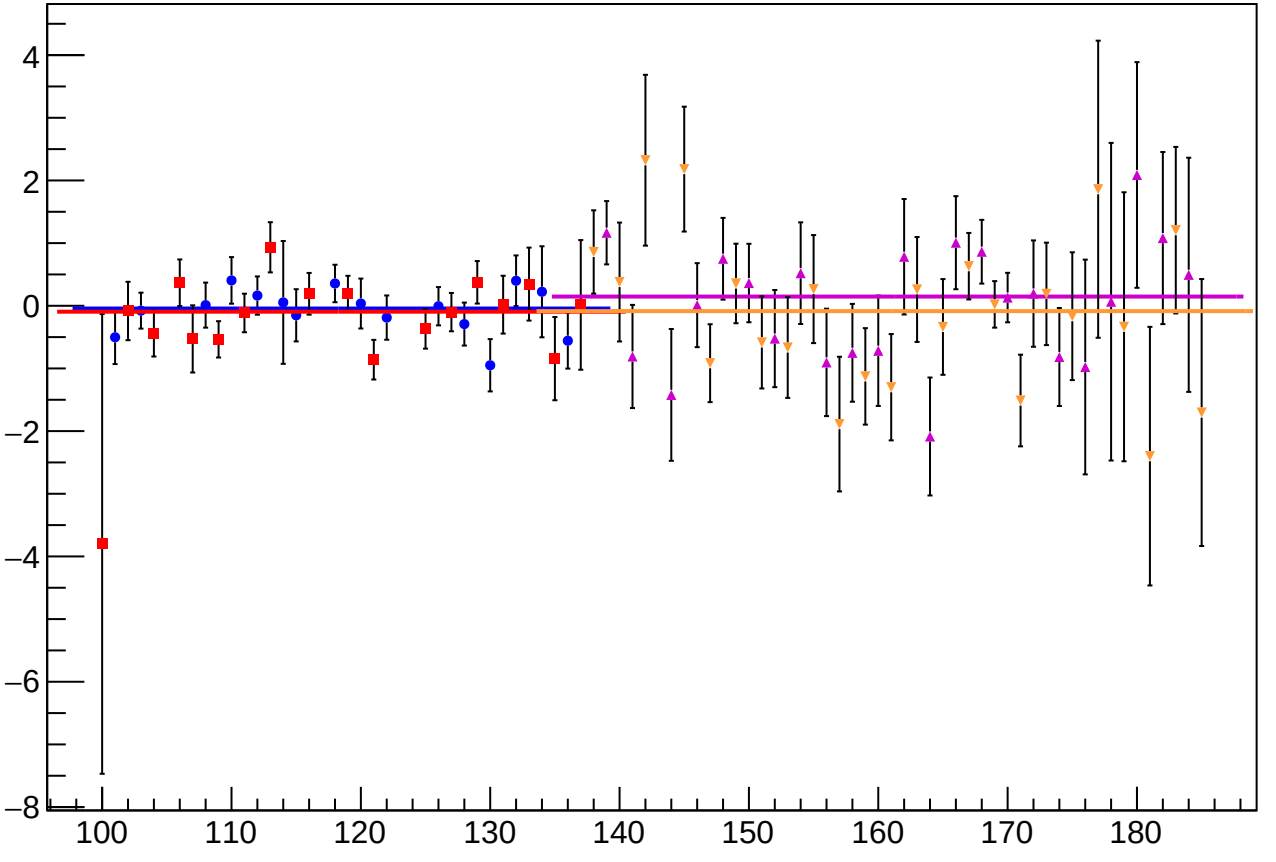
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.010+/-0.000 χ^2/NDF: 15934646.7/39

All: 0.009+/-0.000 χ^2/NDF: 37219272.2/80

- 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: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

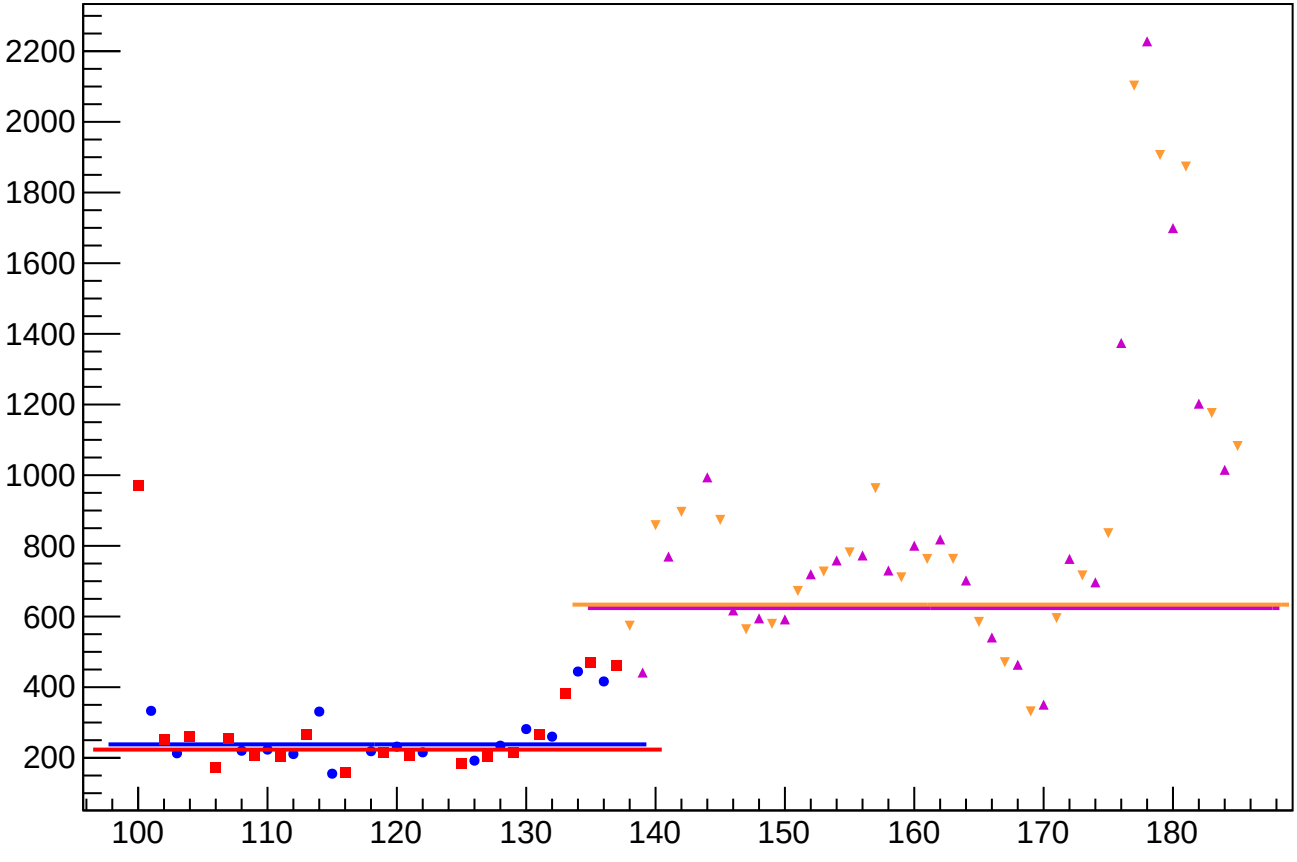
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.054+/-0.081 χ^2/NDF: 43.4/39

All: -0.045+/-0.056 χ^2/NDF: 96.9/80

- 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: 633.678+/-0.114 χ^2/NDF:4994172.5/23

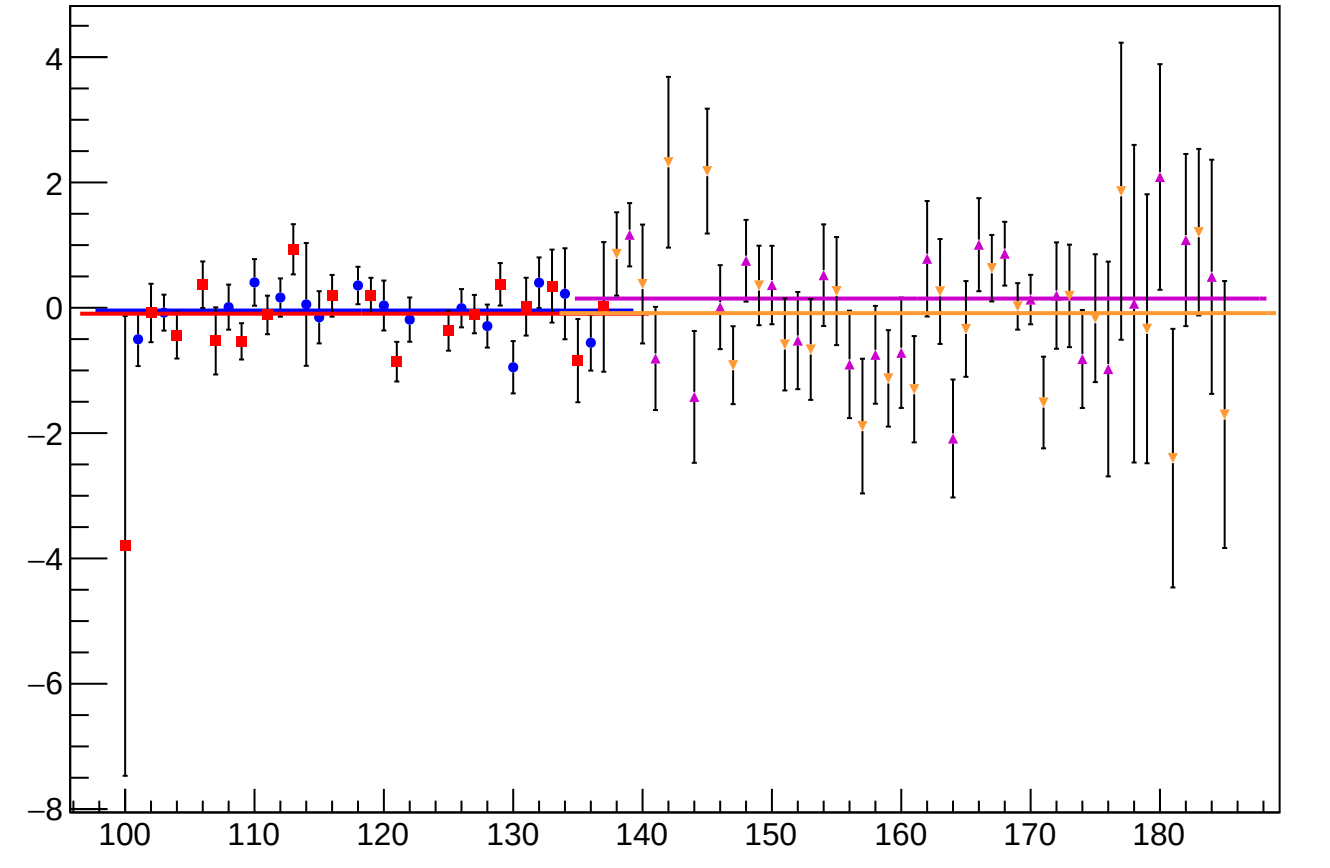
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.992+/-0.057 χ^2/NDF: 14776412.3/39

All: 329.383+/-0.040 χ^2/NDF: 29906130.2/80

- 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: -0.085+/-0.161 χ^2/NDF:30.2/23

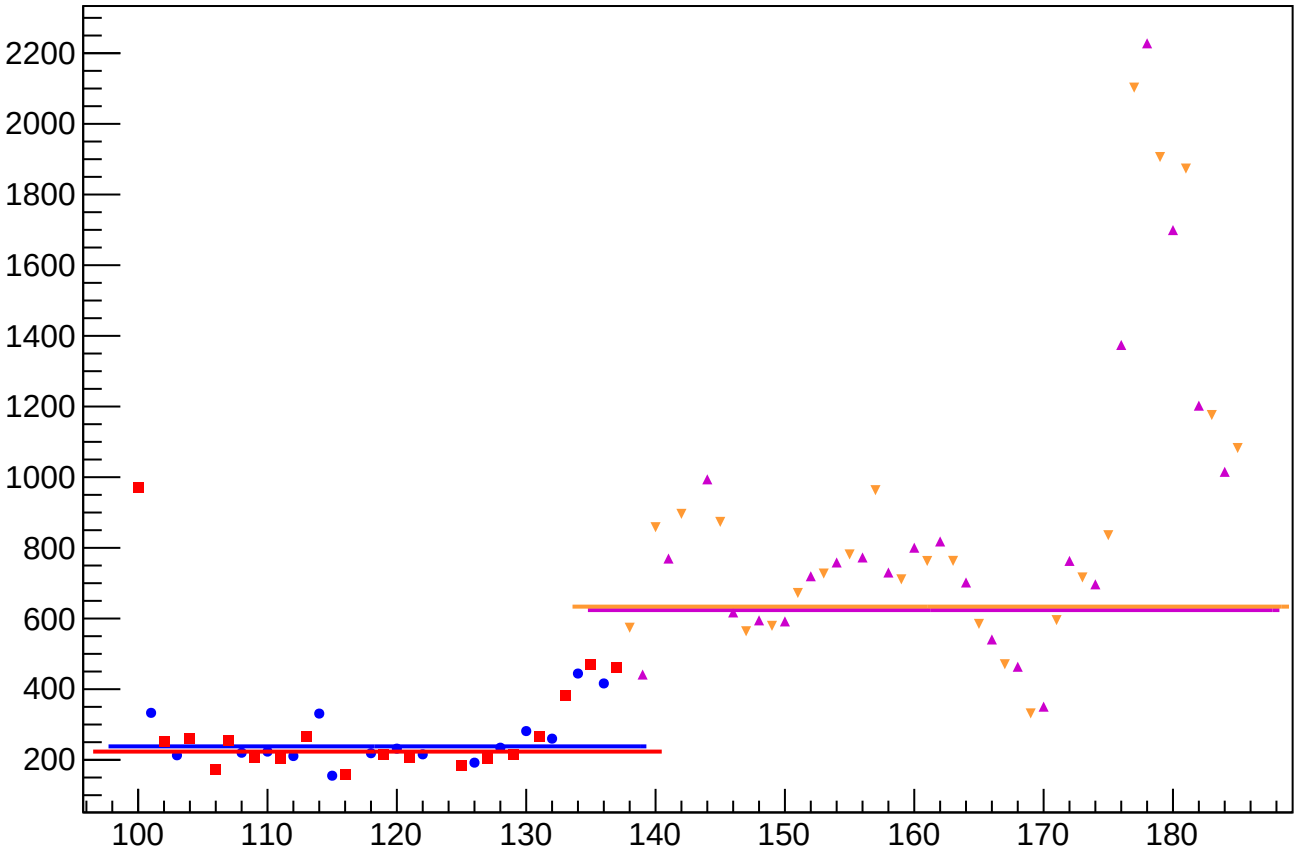
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.054+/-0.081 χ^2/NDF: 43.4/39

All: -0.045+/-0.056 χ^2/NDF: 96.9/80

- 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: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

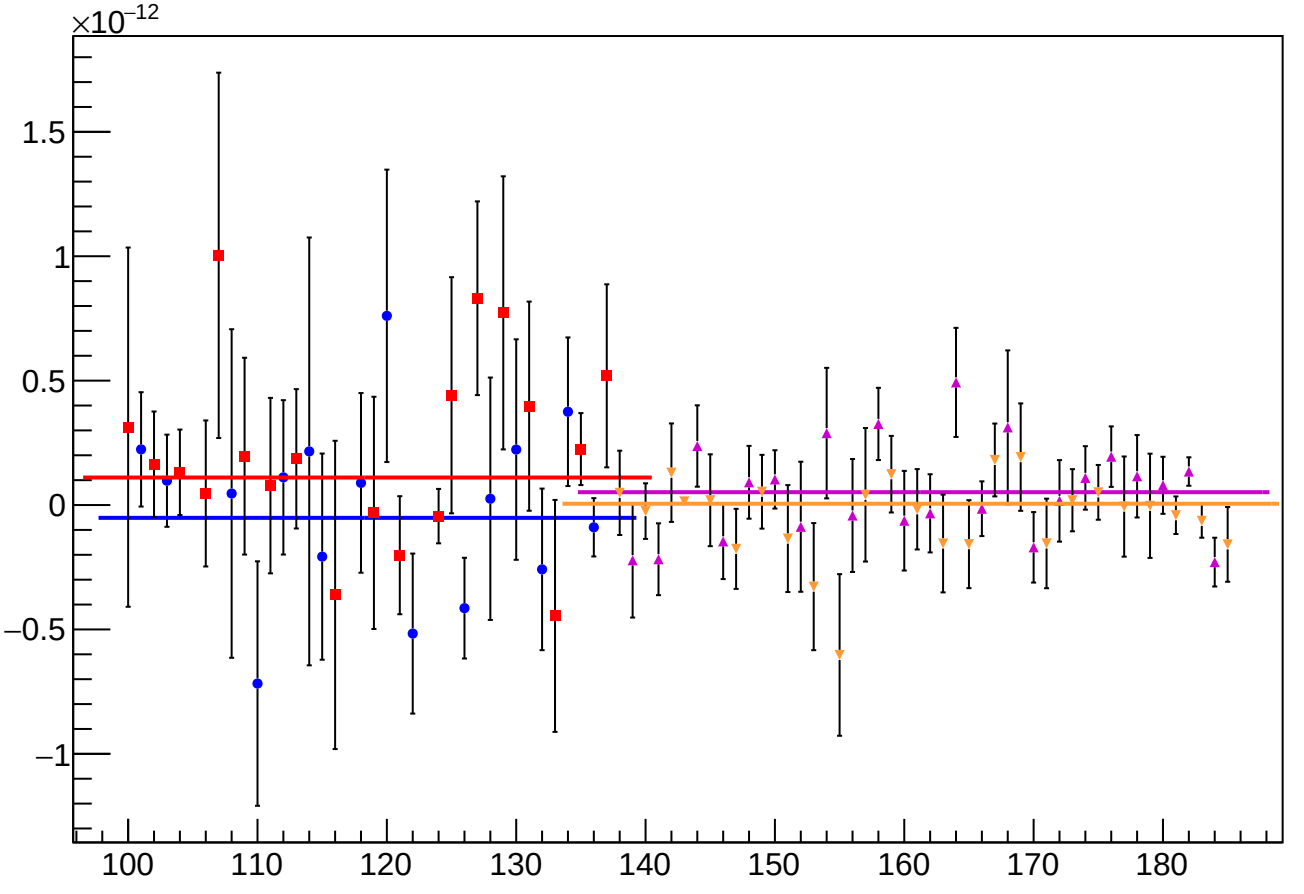
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.992+/-0.057 χ^2/NDF: 14776412.3/39

All: 329.383+/-0.040 χ^2/NDF: 29906130.2/80

- sign 321.369+/-0.055 χ^2/NDF: 15086205.9/40

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

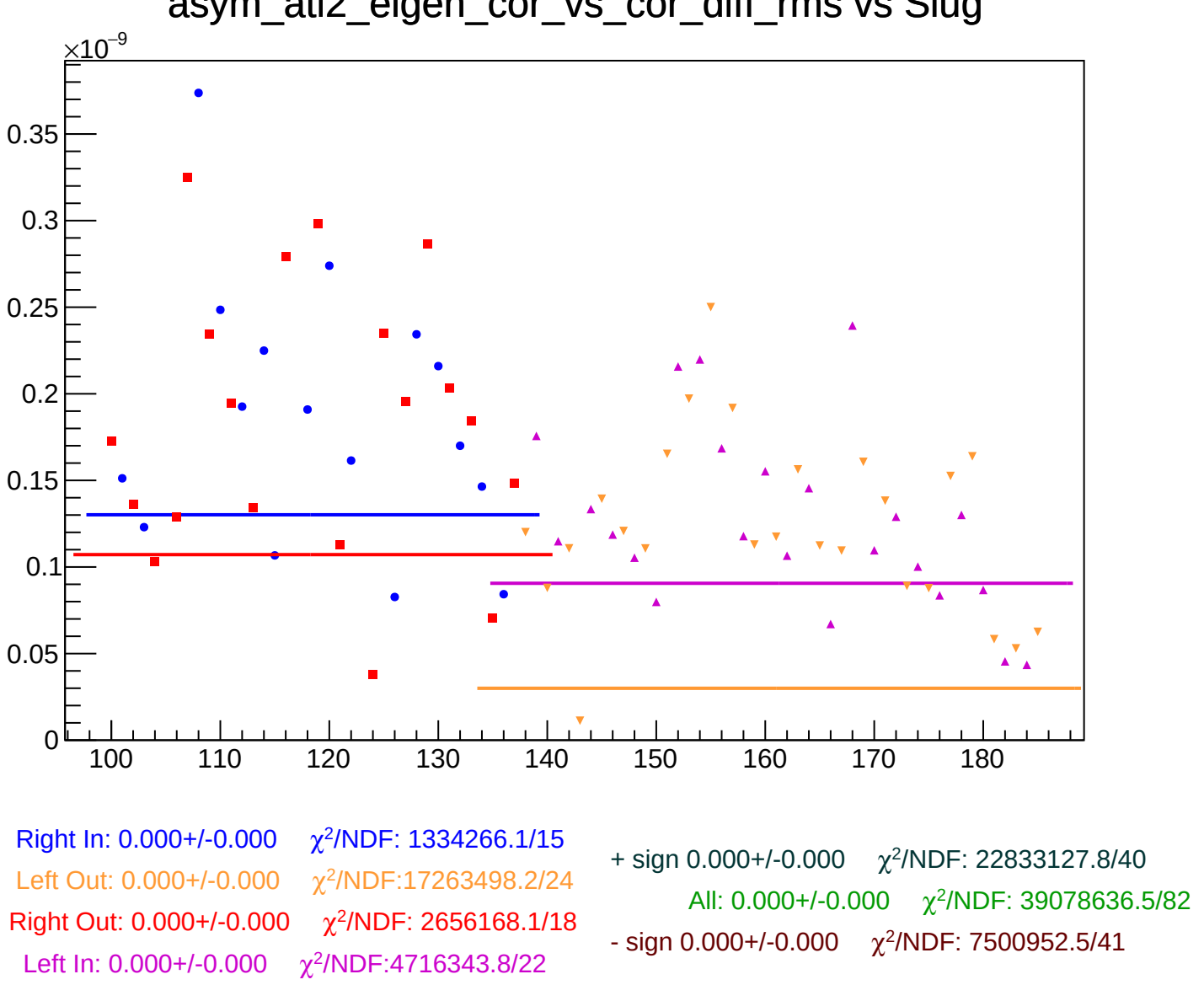
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

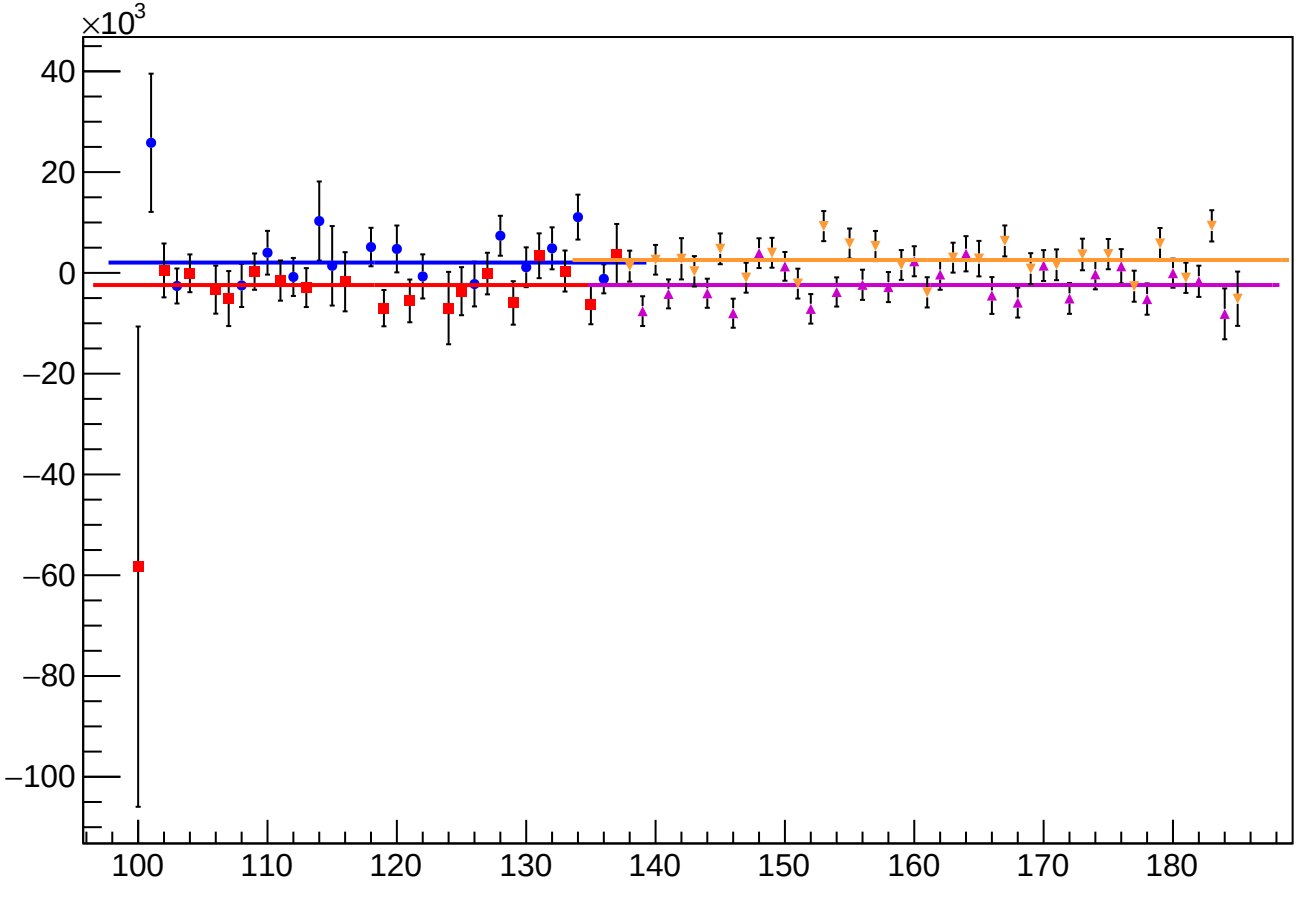
+ sign 0.000+/-0.000 χ^2/NDF: 31.3/40

All: 0.000+/-0.000 χ^2/NDF: 85.1/82

- 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:17263498.2/24
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: 22833127.8/40
All: 0.000+/-0.000 χ²/NDF: 39078636.5/82
- 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: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

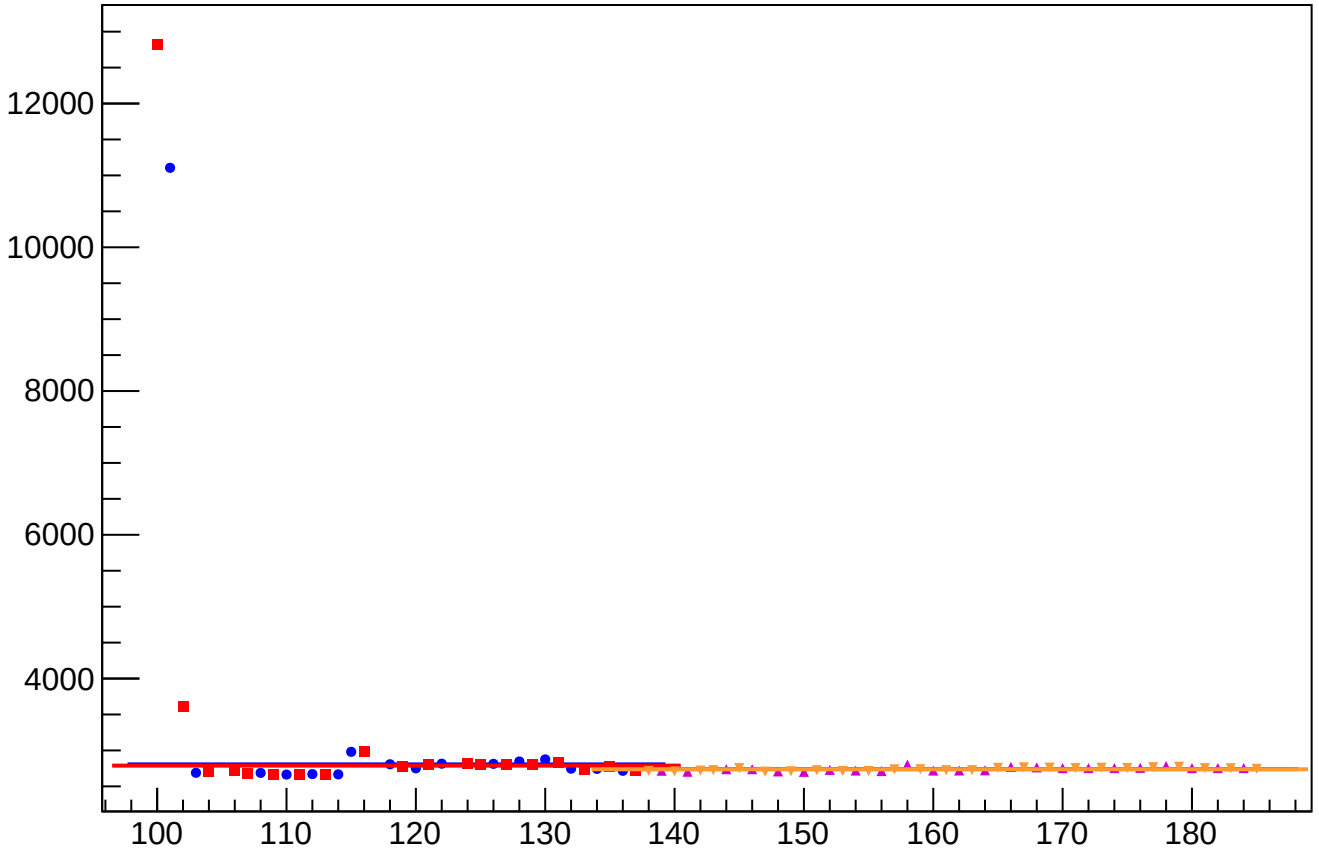
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2428.813+/-537.683 χ^2/NDF: 49.6/40

All: 39.066+/-382.496 χ^2/NDF: 131.7/82

- 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: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

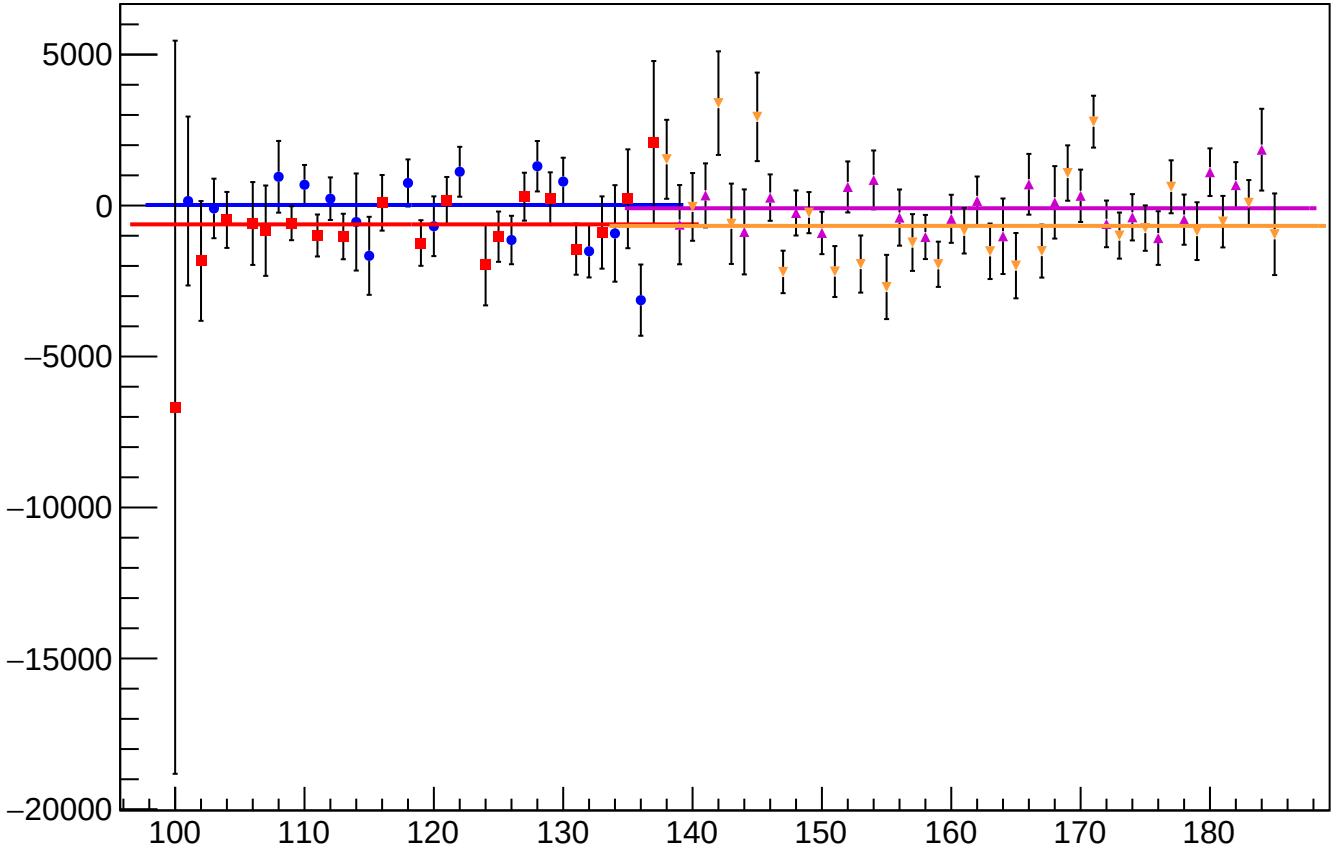
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.658+/-0.380 χ^2/NDF: 754580.1/40

All: 2754.031+/-0.270 χ^2/NDF: 908181.7/82

- 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: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

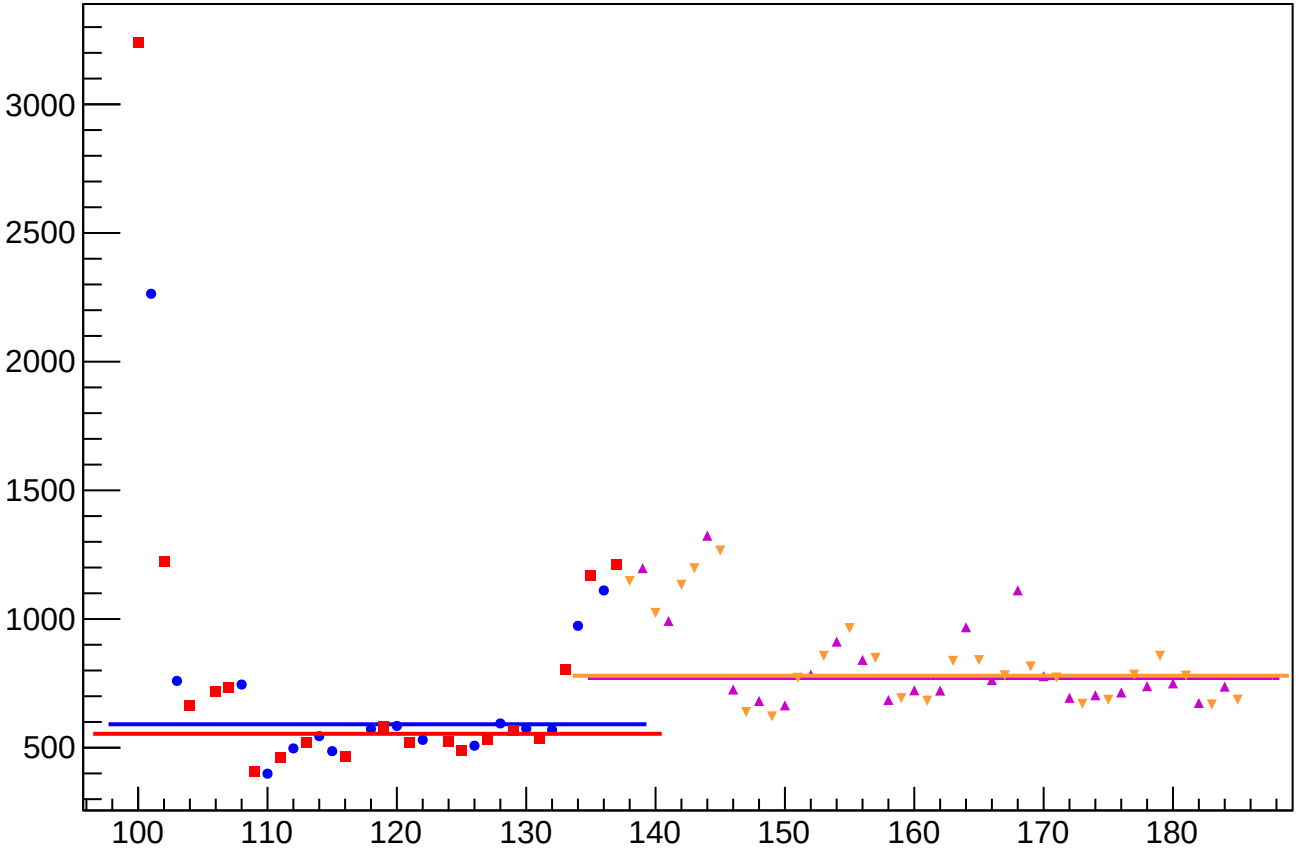
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

\+ sign -413.266+/-143.164 χ^2/NDF: 86.6/40

All: -362.075+/-100.033 χ^2/NDF: 114.5/82

\- 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: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

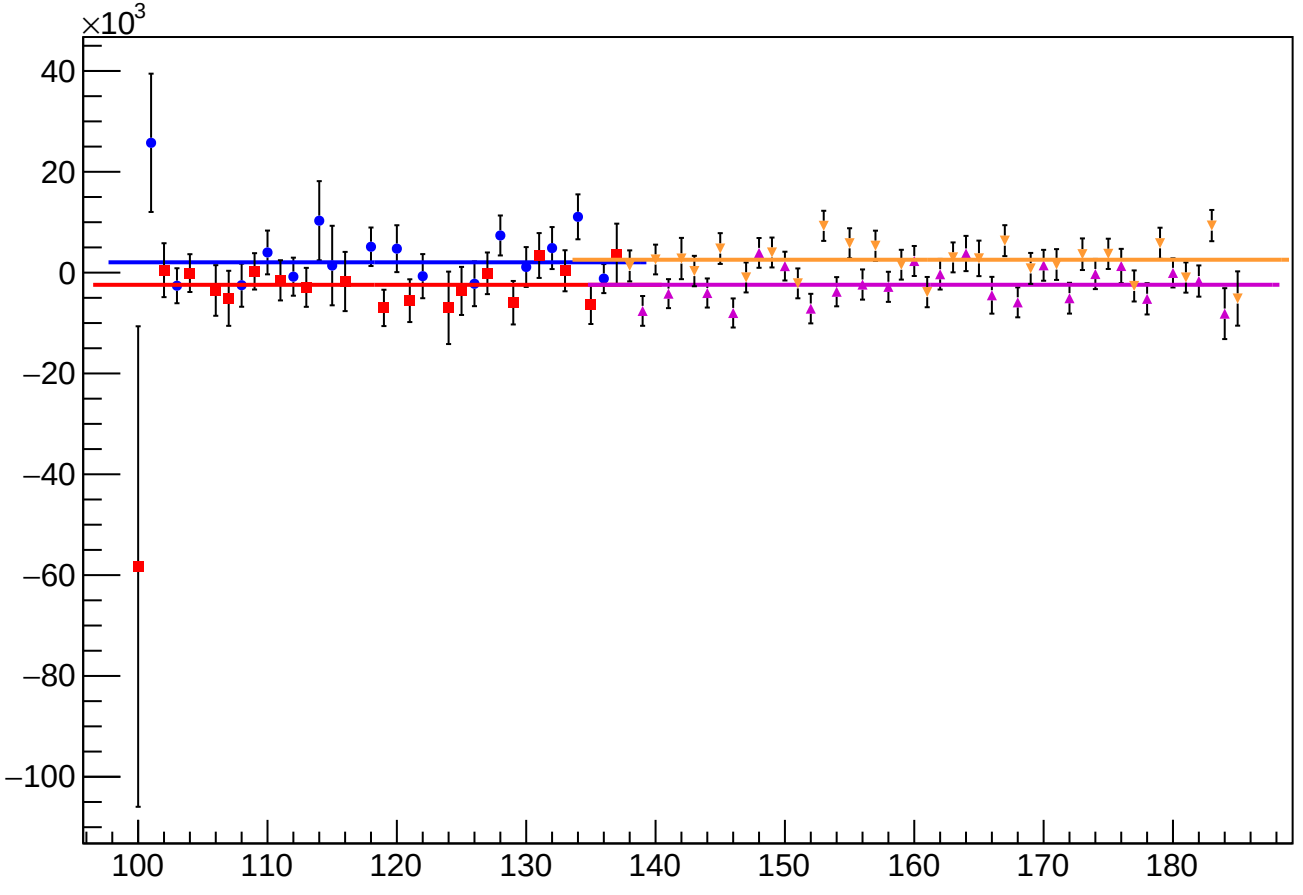
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 708.779+/-0.101 χ^2/NDF: 3626387.5/40

All: 693.994+/-0.071 χ^2/NDF: 7032104.2/82

- 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: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

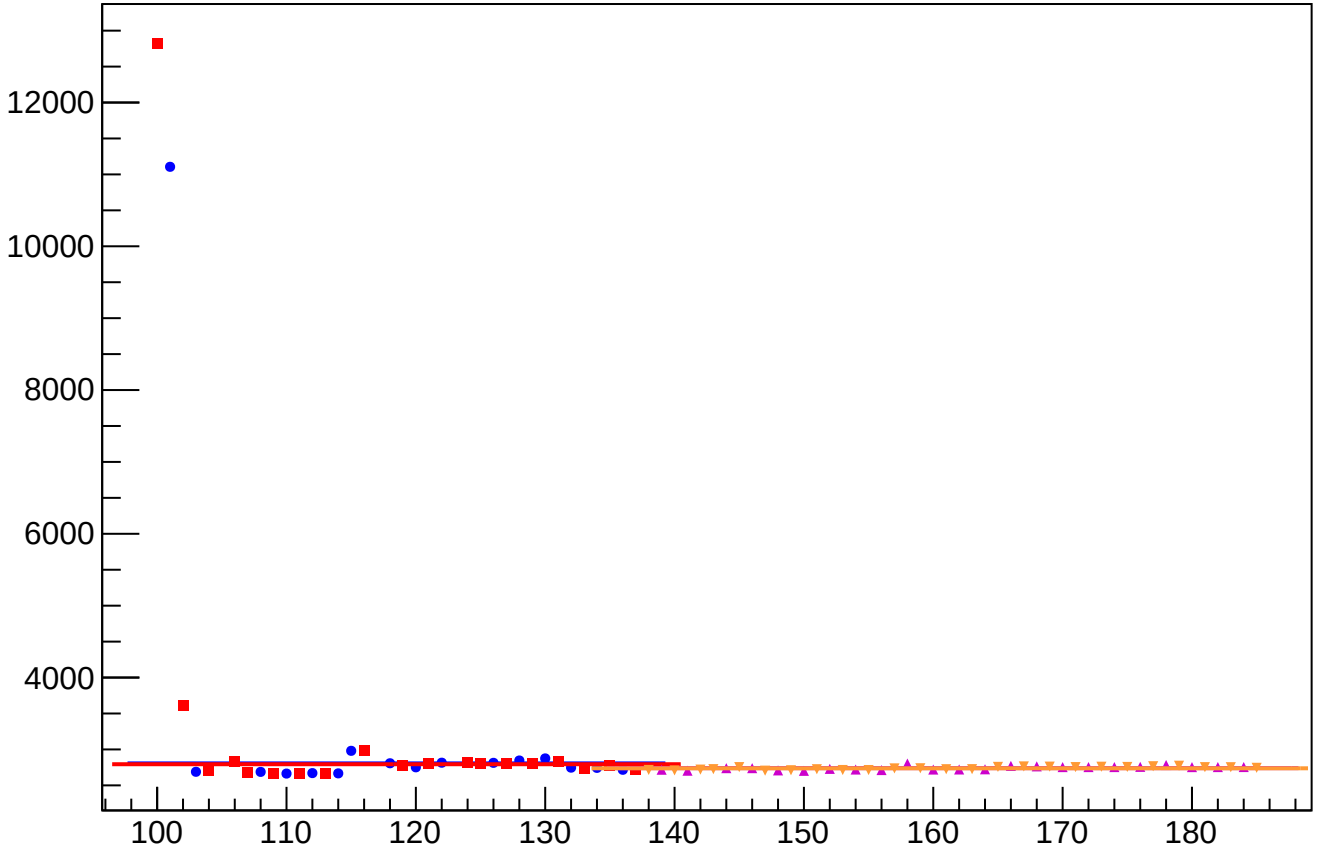
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2428.579+/-537.684 χ^2/NDF: 49.5/40

All: 39.611+/-382.616 χ^2/NDF: 131.7/82

- 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: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

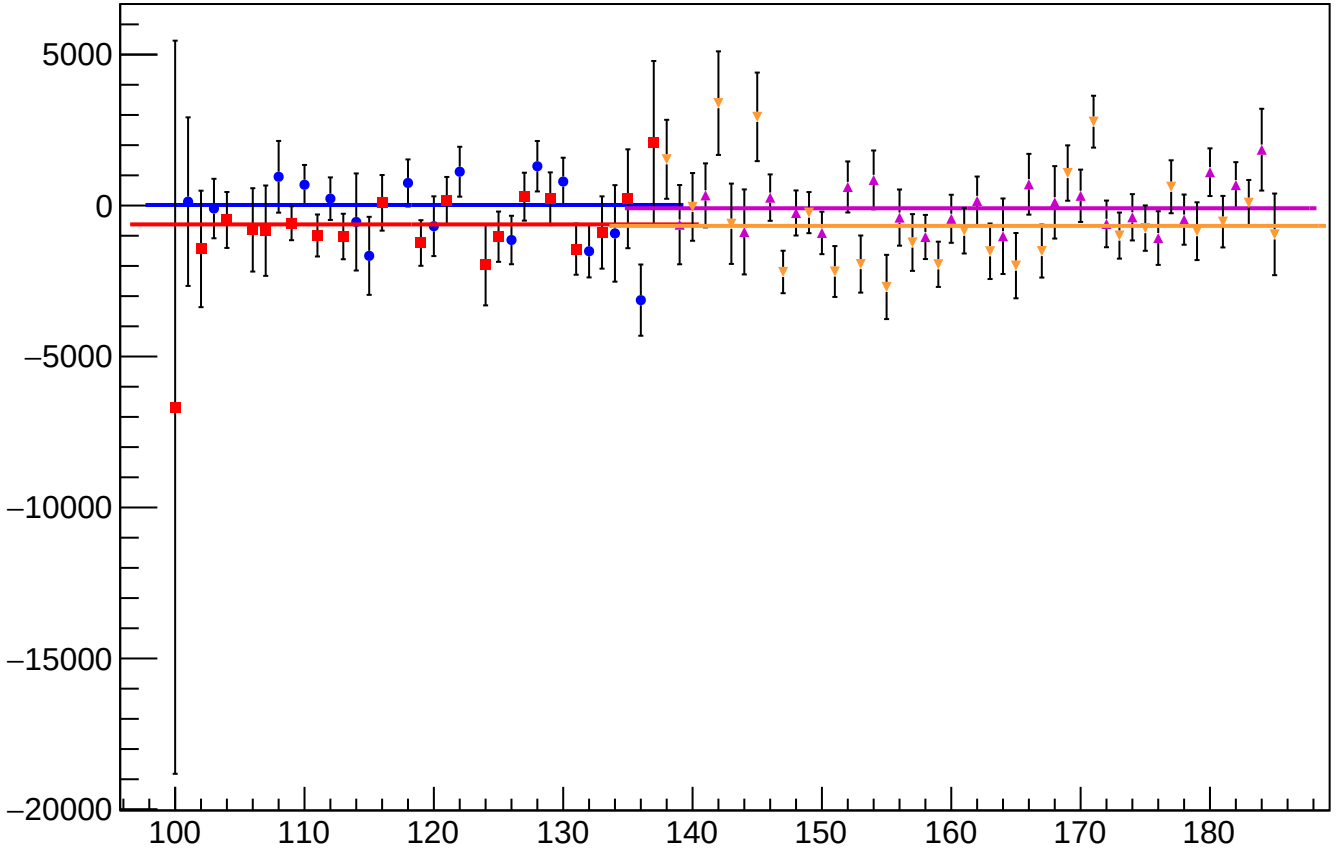
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.658+/-0.380 χ^2/NDF: 754579.2/40

All: 2754.734+/-0.271 χ^2/NDF: 908652.0/82

- sign 2754.812+/-0.385 χ^2/NDF: 154072.7/41

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

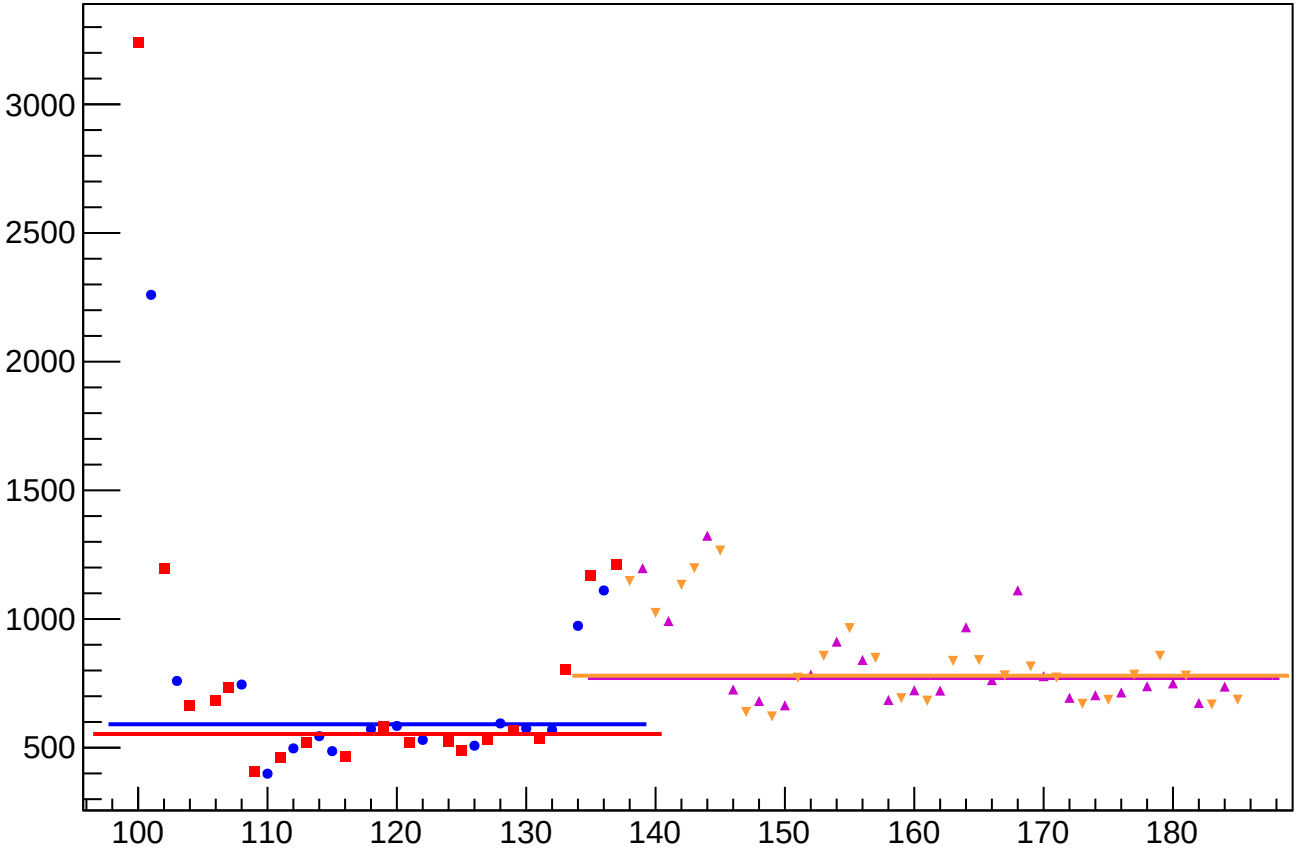
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

\+ sign -413.213+/-143.161 χ^2/NDF: 86.6/40

All: -362.350+/-100.027 χ^2/NDF: 114.3/82

\- 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: 779.713+/-0.128 χ^2/NDF:1243769.6/24

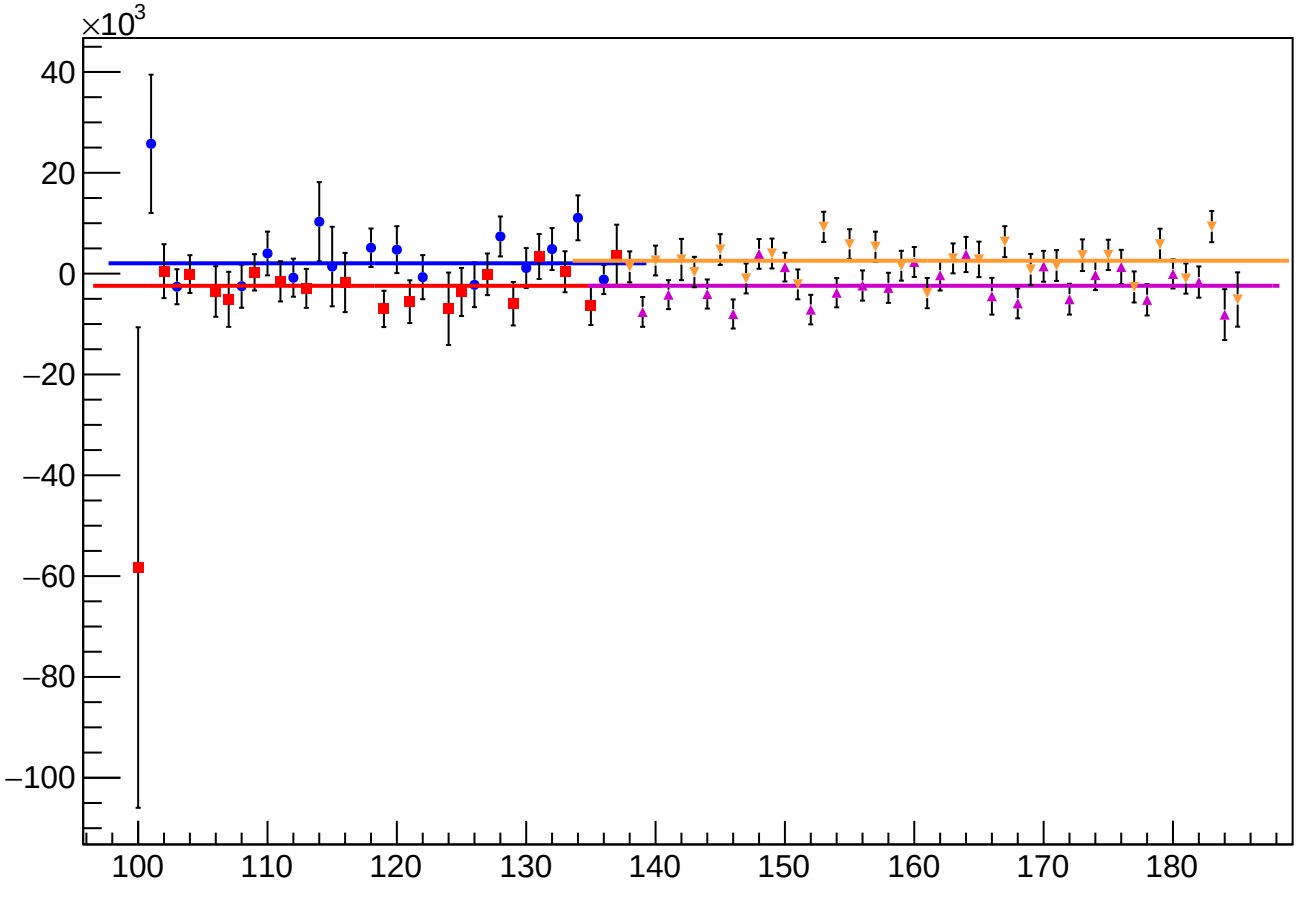
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 708.773+/-0.101 χ^2/NDF: 3625434.3/40

All: 693.819+/-0.071 χ^2/NDF: 7025215.9/82

- sign 679.555+/-0.099 χ^2/NDF: 3357145.3/41



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

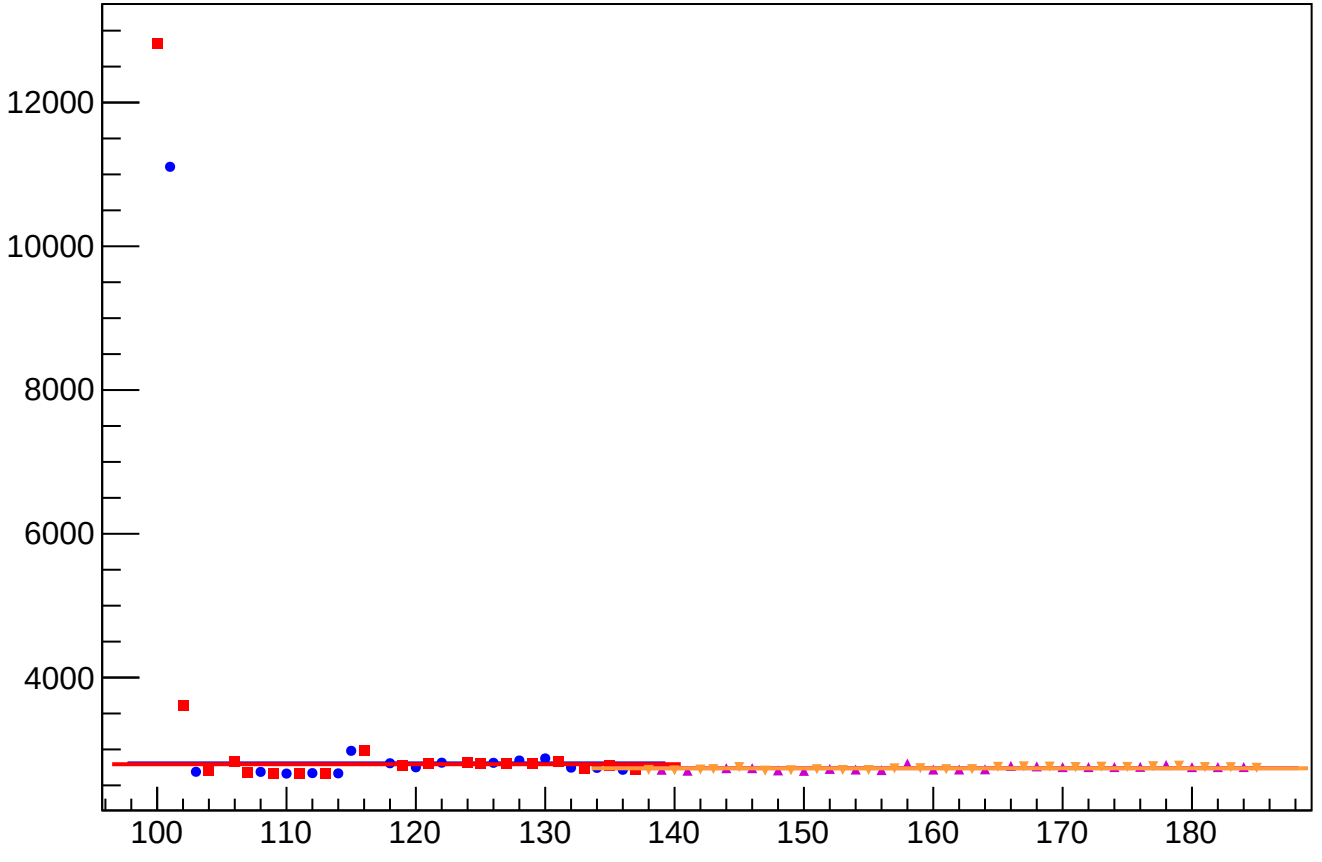
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2428.579+/-537.684 χ^2/NDF: 49.5/40

All: 39.611+/-382.616 χ^2/NDF: 131.7/82

- 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: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

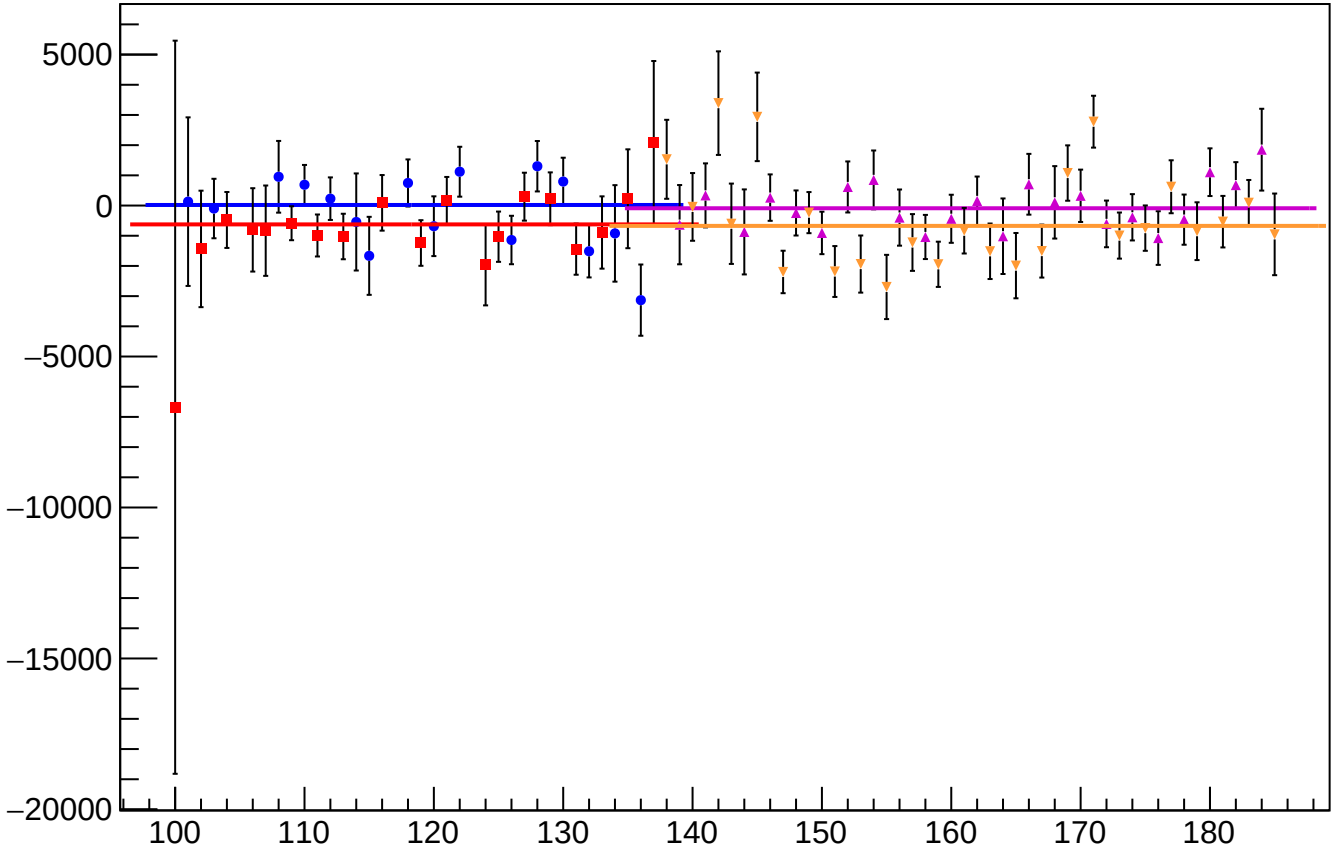
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.658+/-0.380 χ^2/NDF: 754579.2/40

All: 2754.734+/-0.271 χ^2/NDF: 908652.0/82

- 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: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

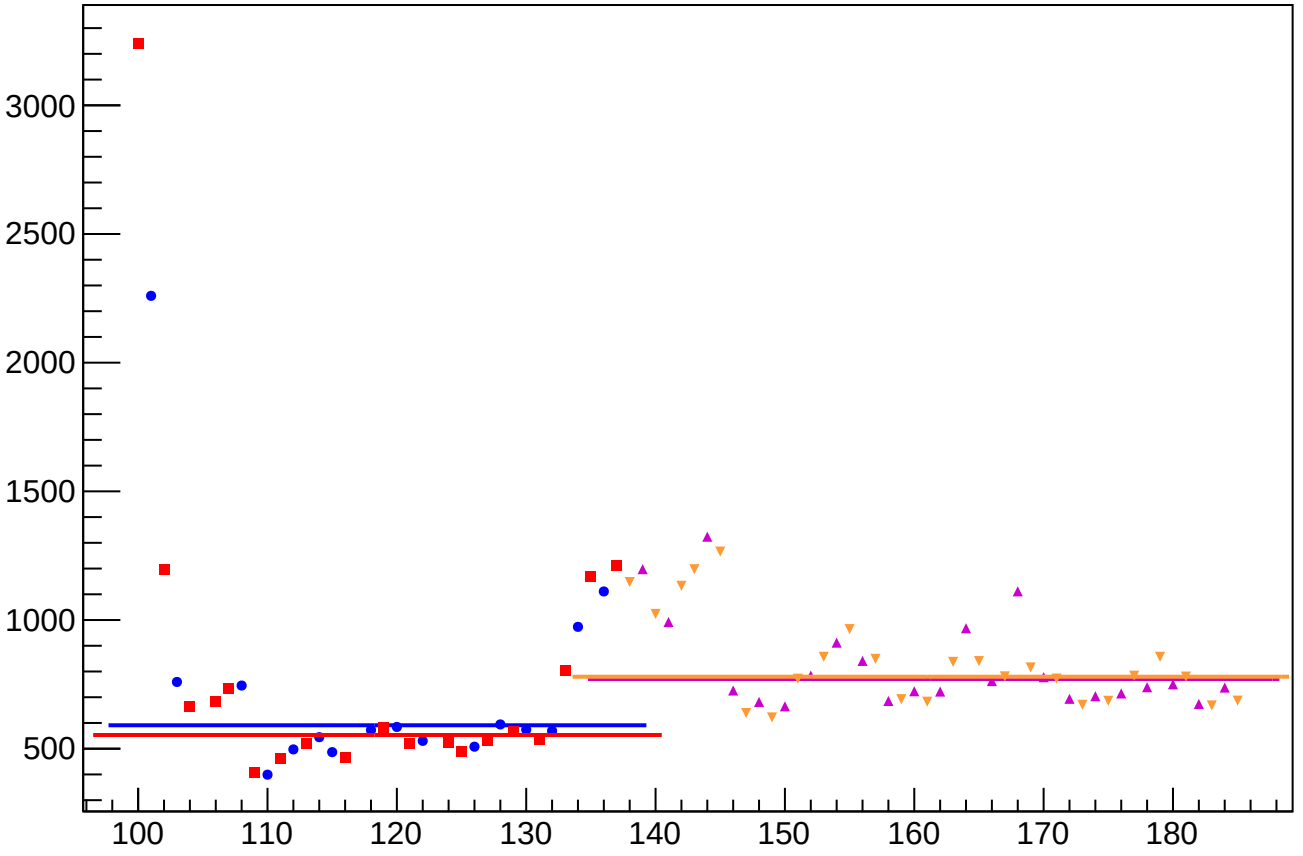
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

\+ sign -413.213+/-143.161 χ^2/NDF: 86.6/40

All: -362.350+/-100.027 χ^2/NDF: 114.3/82

\- 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: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

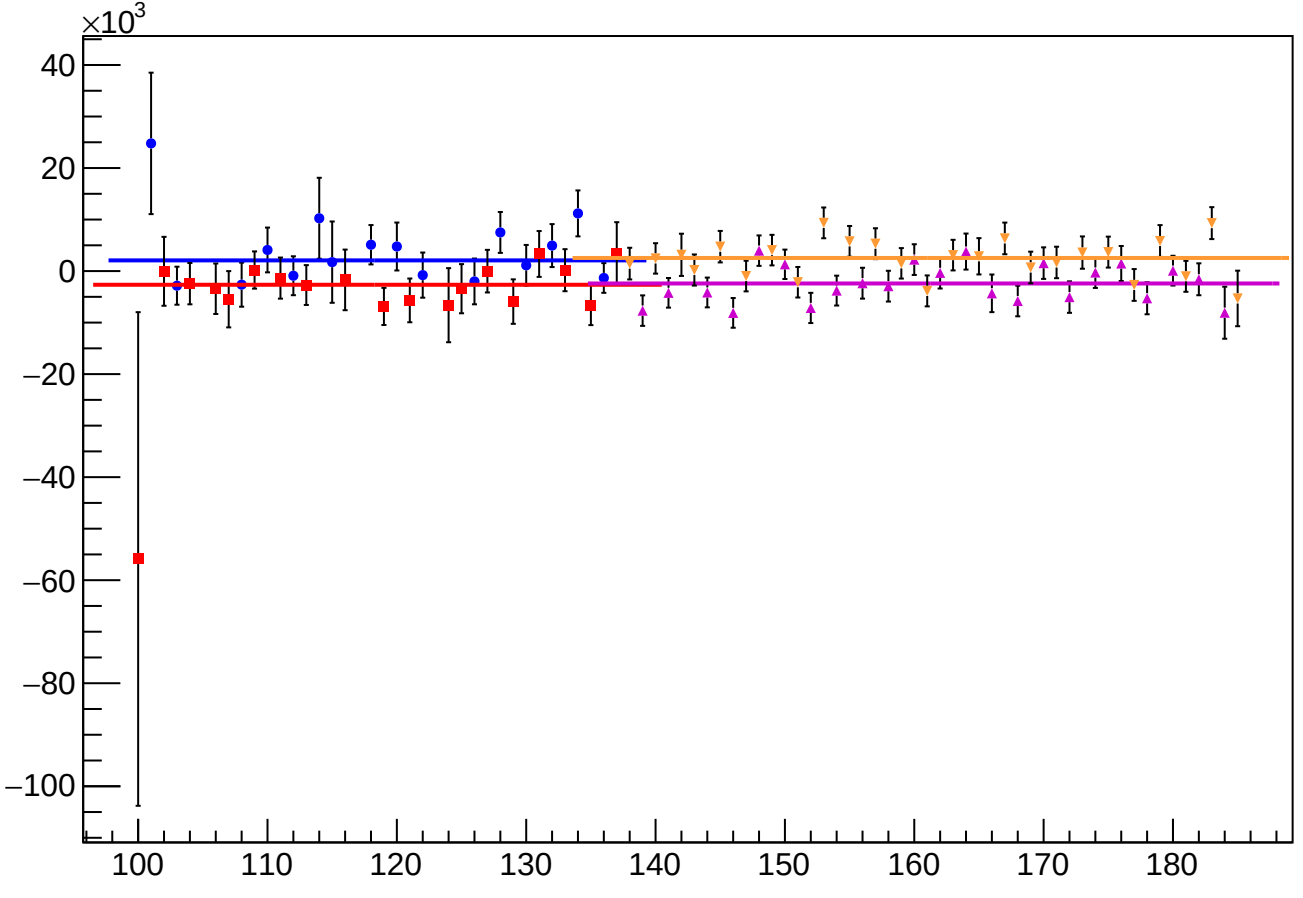
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 708.773+/-0.101 χ^2/NDF: 3625434.3/40

All: 693.819+/-0.071 χ^2/NDF: 7025215.9/82

- 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: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

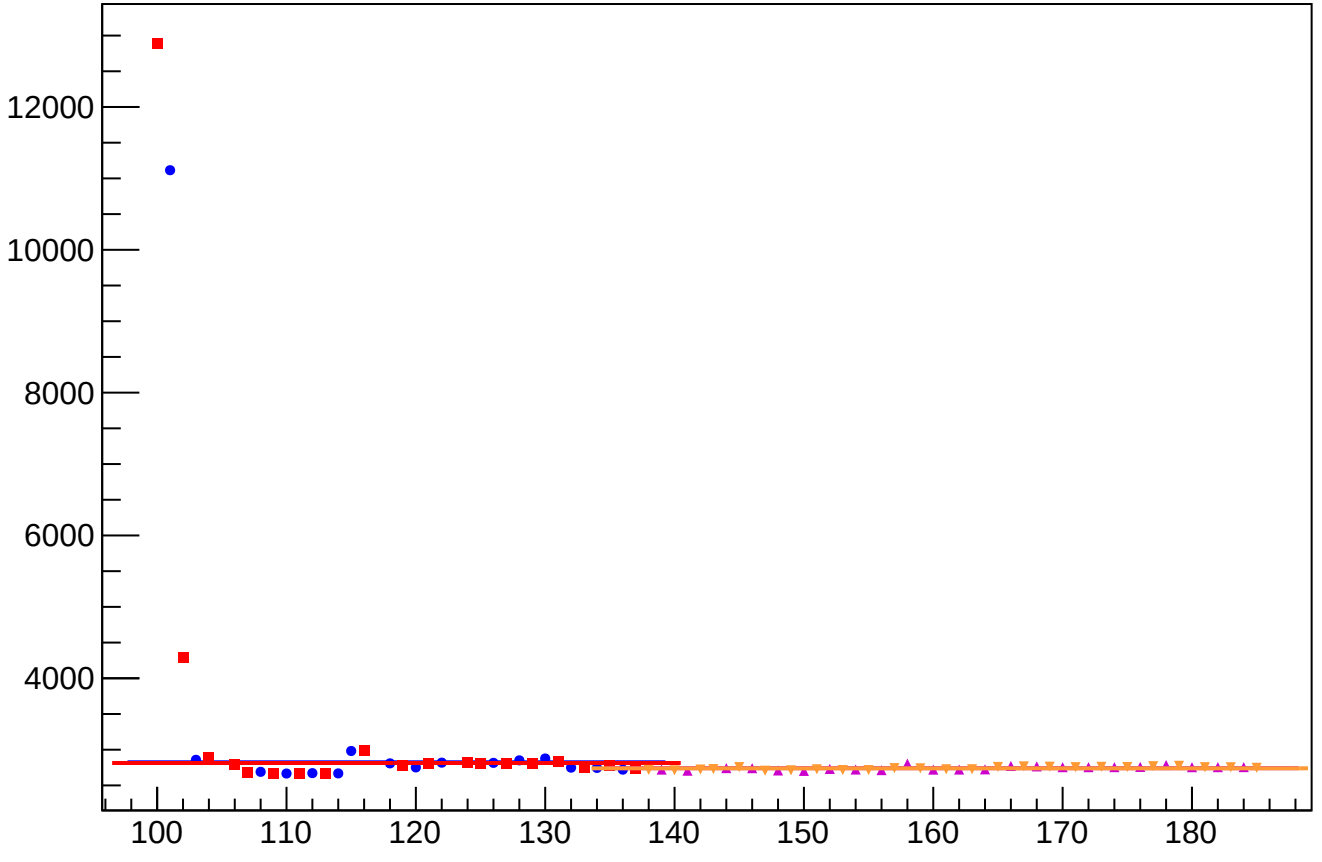
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2427.382+/-538.802 χ^2/NDF: 49.9/40

All: 11.188+/-383.690 χ^2/NDF: 132.5/82

- 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: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

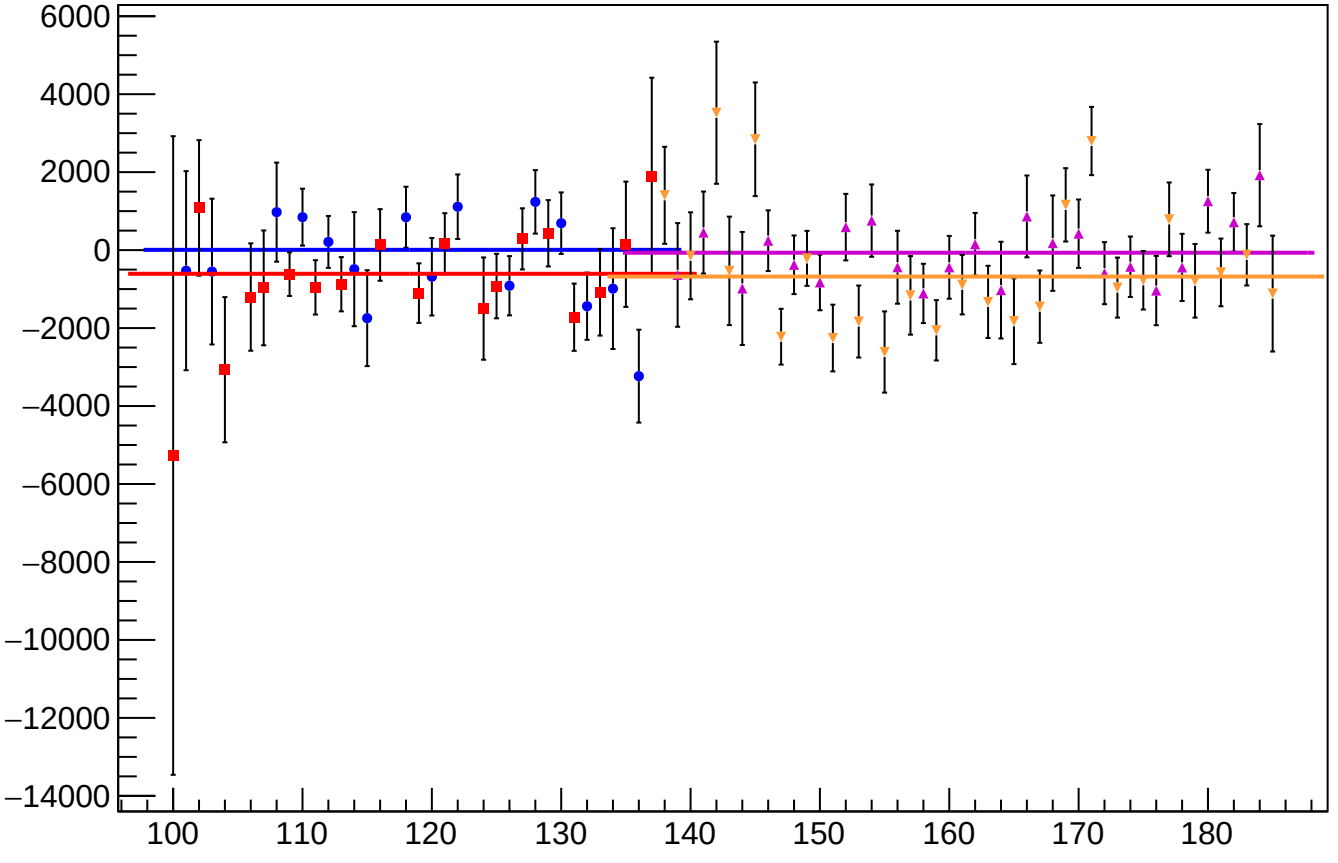
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.356+/-0.381 χ^2/NDF: 755389.0/40

All: 2760.683+/-0.271 χ^2/NDF: 966211.7/82

- 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: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

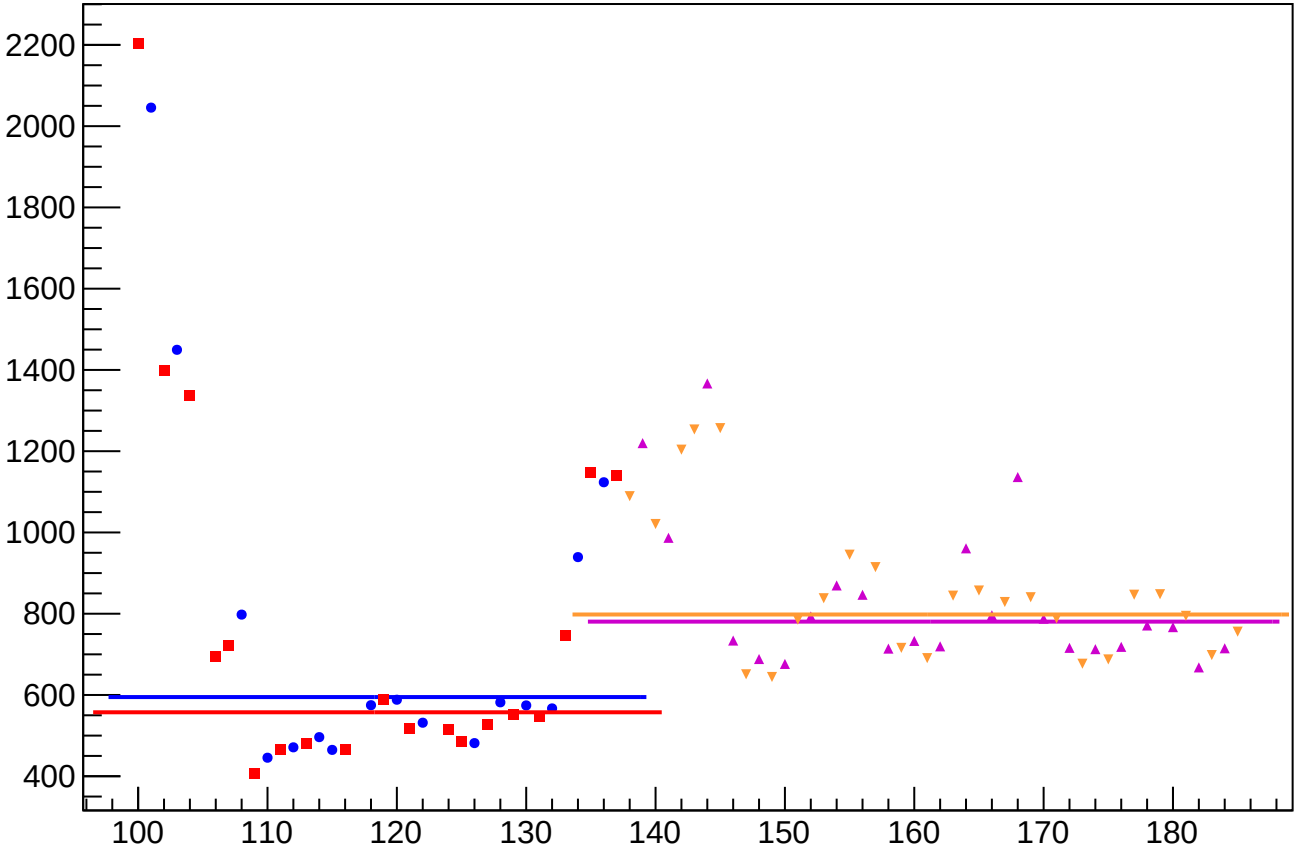
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -419.378+/-145.939 χ^2/NDF: 84.2/40

All: -355.129+/-101.403 χ^2/NDF: 116.2/82

- 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: 798.091+/-0.131 χ^2/NDF:1168352.1/24

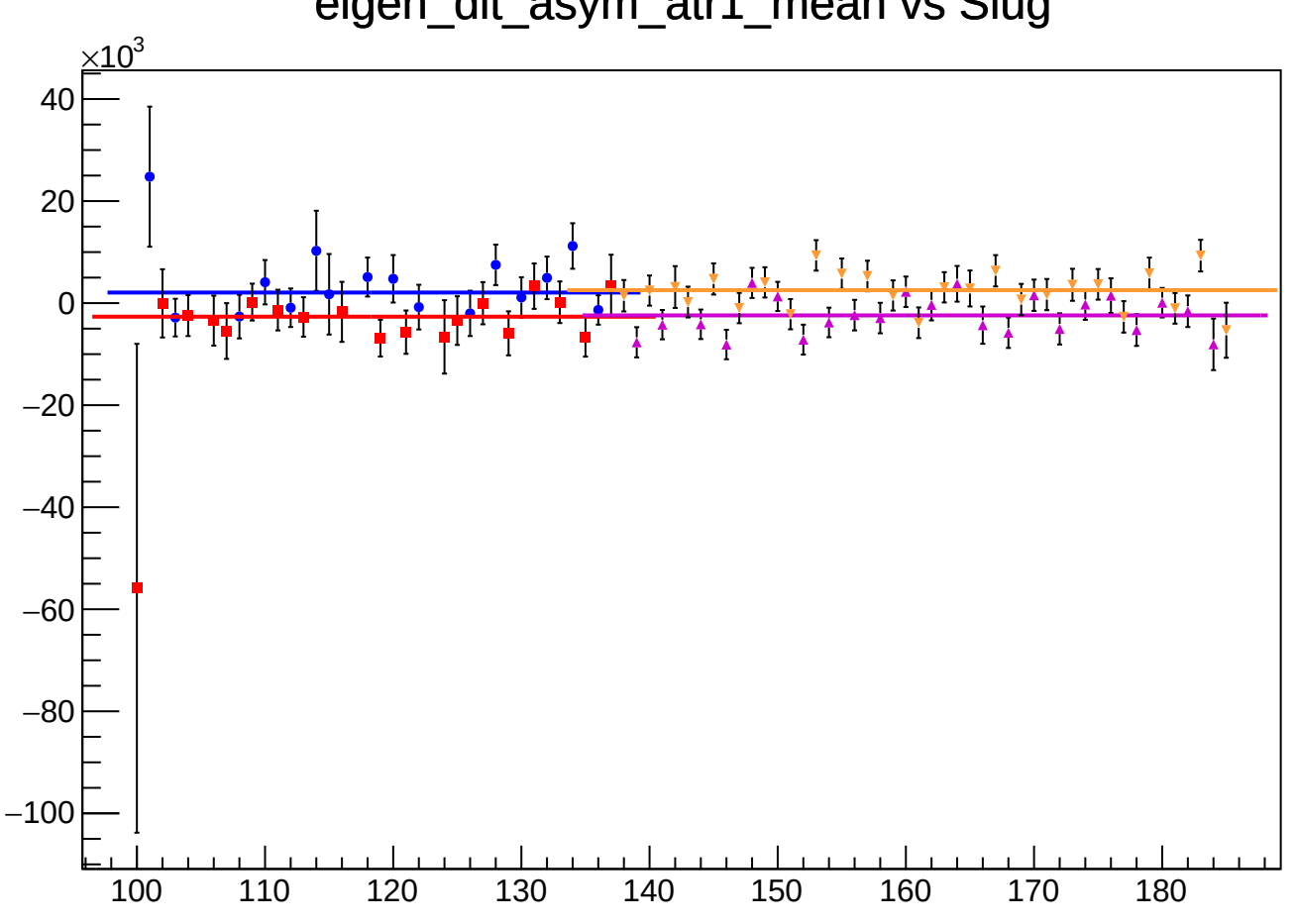
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

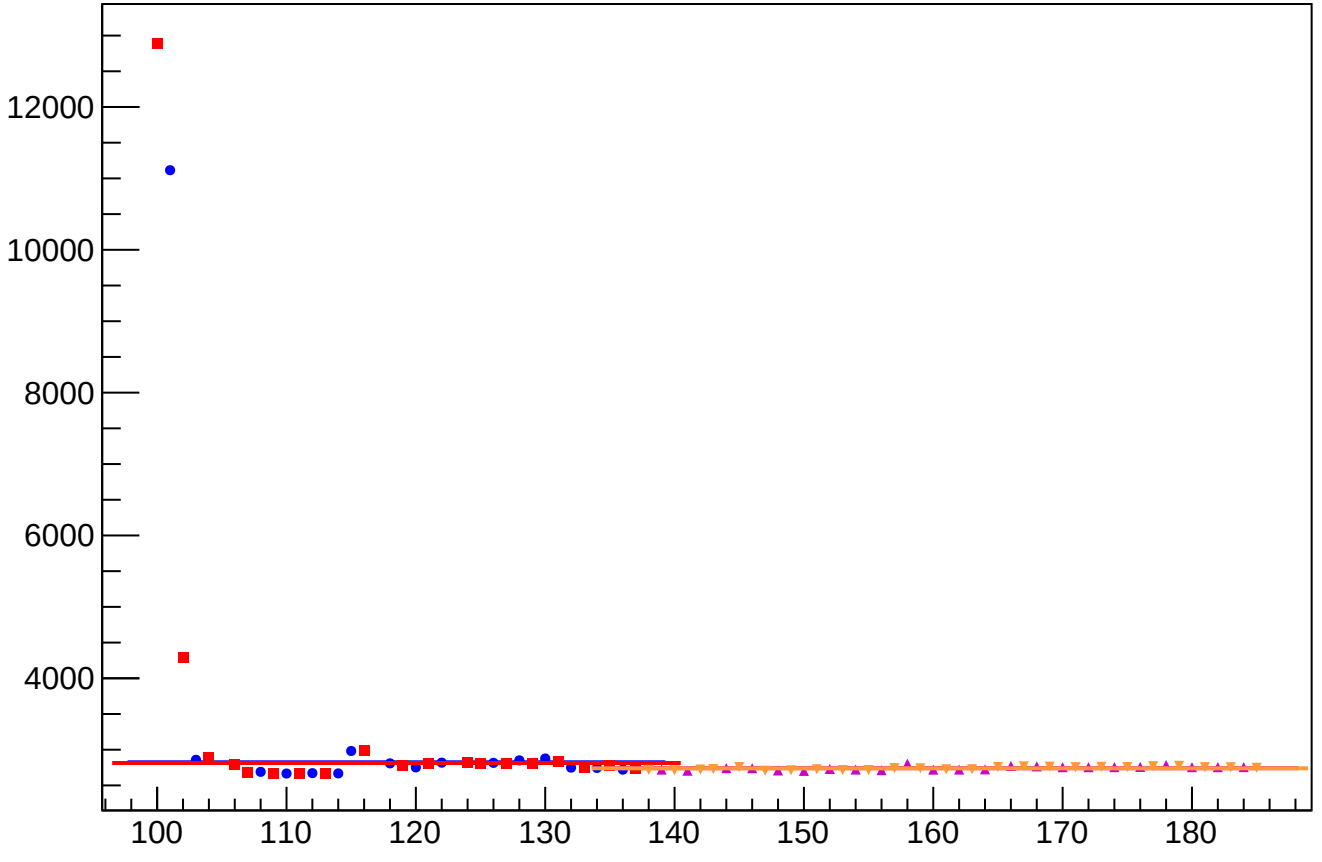
+ sign 721.324+/-0.103 χ^2/NDF: 3932678.6/40

All: 703.262+/-0.072 χ^2/NDF: 7909557.5/82

- sign 686.402+/-0.100 χ^2/NDF: 3917646.4/41


eigen_dit_asym_atr1_mean vs Slug
×10^3
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: 2074.766+/-1077.182 χ²/NDF: 17.9/15
Left Out: 2545.044+/-622.236 χ²/NDF:31.9/24
Right Out: -2657.300+/-1049.868 χ²/NDF: 9.9/18
Left In: -2406.858+/-640.084 χ²/NDF:31.8/22
+ sign 2427.383+/-538.802 χ²/NDF: 49.9/40
All: 11.189+/-383.690 χ²/NDF: 132.5/82
- sign -2474.723+/-546.520 χ²/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: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

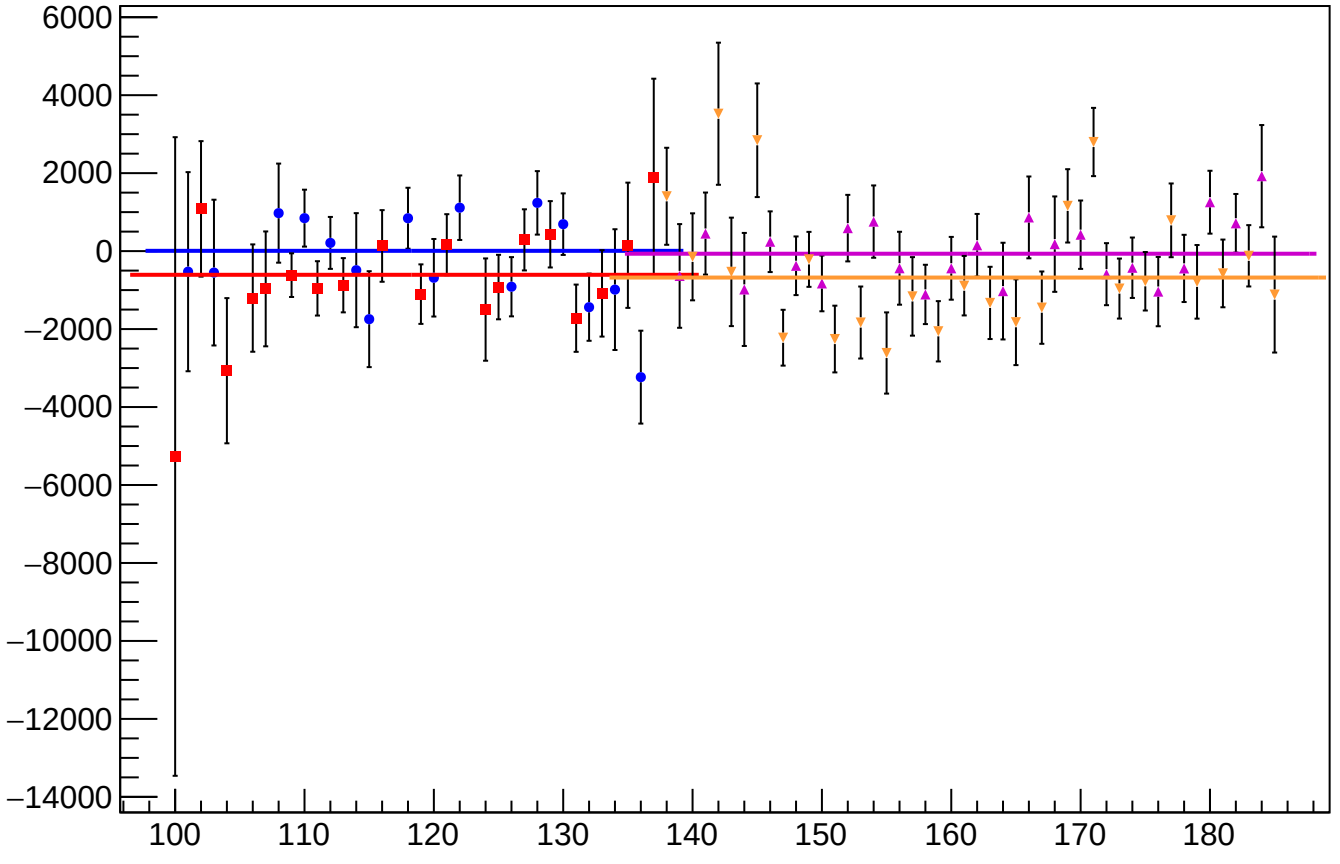
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.356+/-0.381 χ^2/NDF: 755388.9/40

All: 2760.683+/-0.271 χ^2/NDF: 966211.4/82

- 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: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

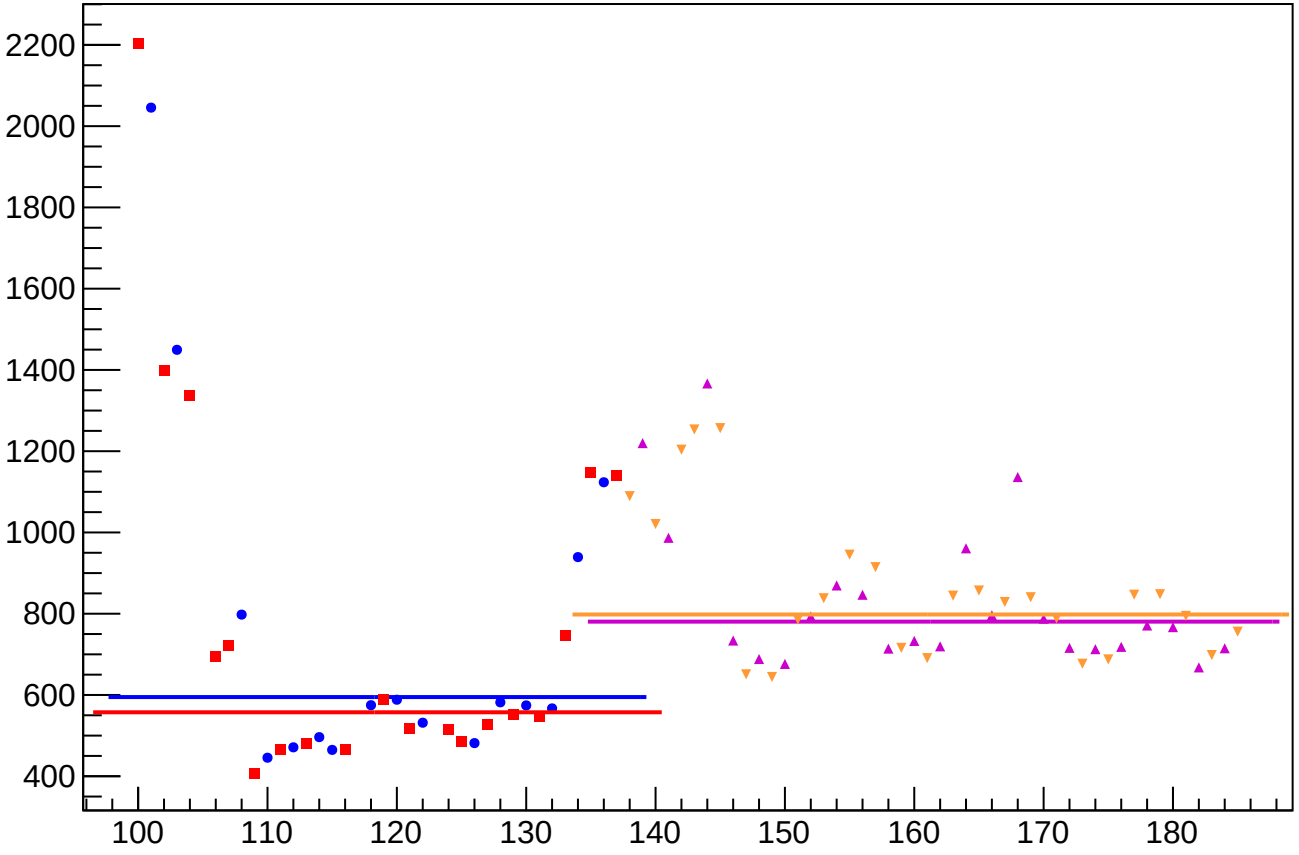
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -419.379+/-145.939 χ^2/NDF: 84.2/40

All: -355.129+/-101.403 χ^2/NDF: 116.2/82

- 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: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

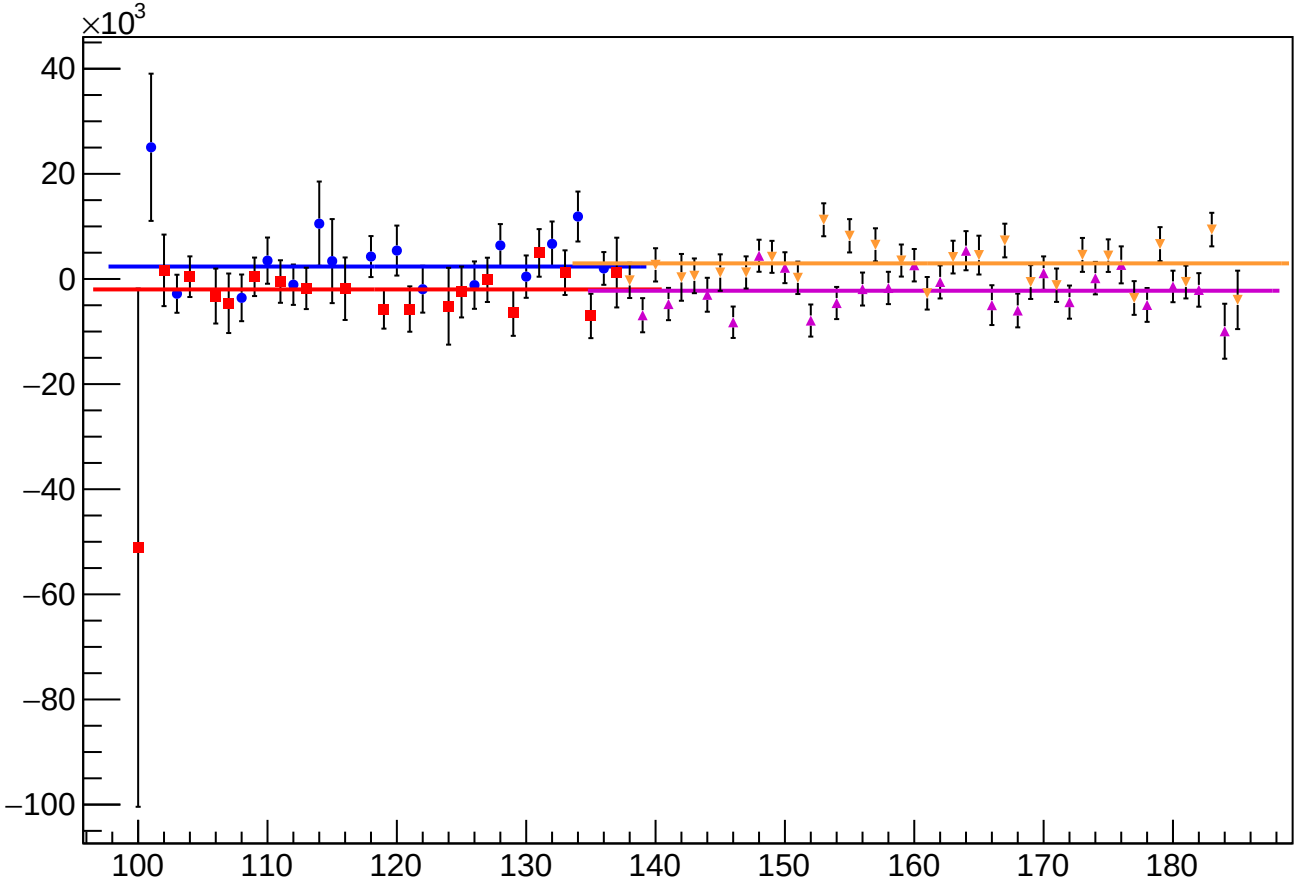
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

\+ sign 721.324+/-0.103 χ^2/NDF: 3932671.3/40

All: 703.262+/-0.072 χ^2/NDF: 7909548.2/82

\- 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: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

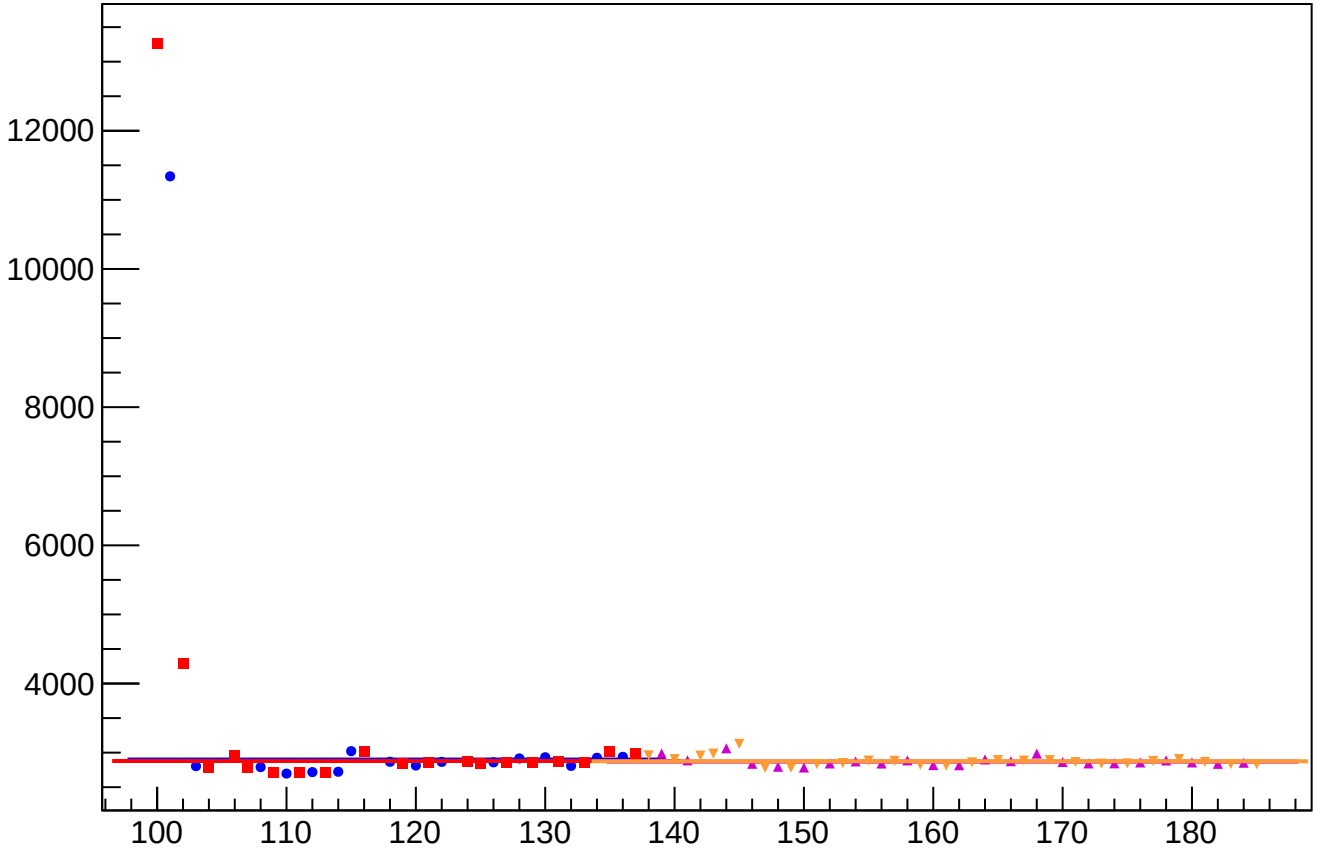
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2813.627+/-562.516 χ^2/NDF: 52.8/40

All: 350.999+/-399.979 χ^2/NDF: 135.7/82

- 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: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

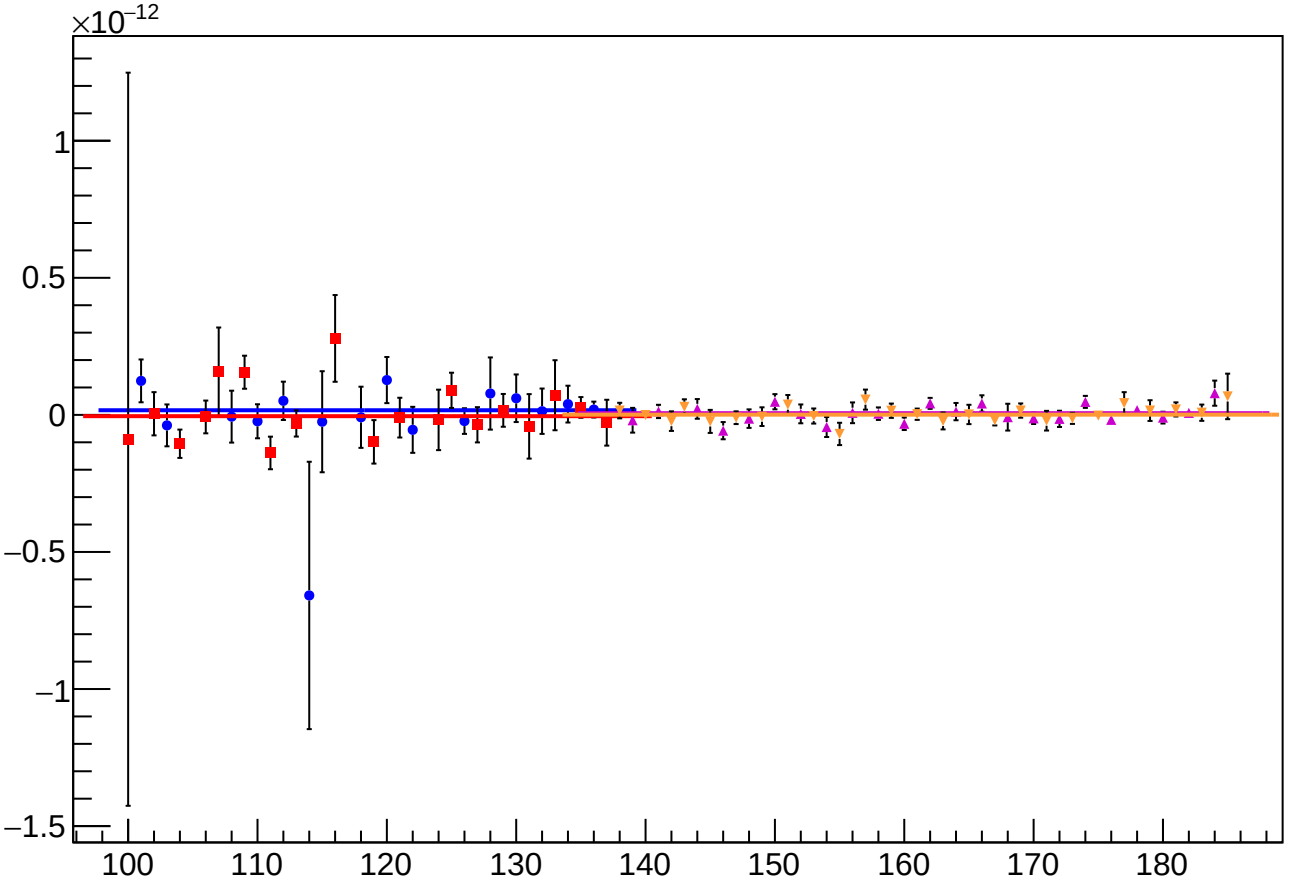
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2881.370+/-0.398 χ^2/NDF: 764357.9/40

All: 2877.043+/-0.283 χ^2/NDF: 975663.9/82

- 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:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

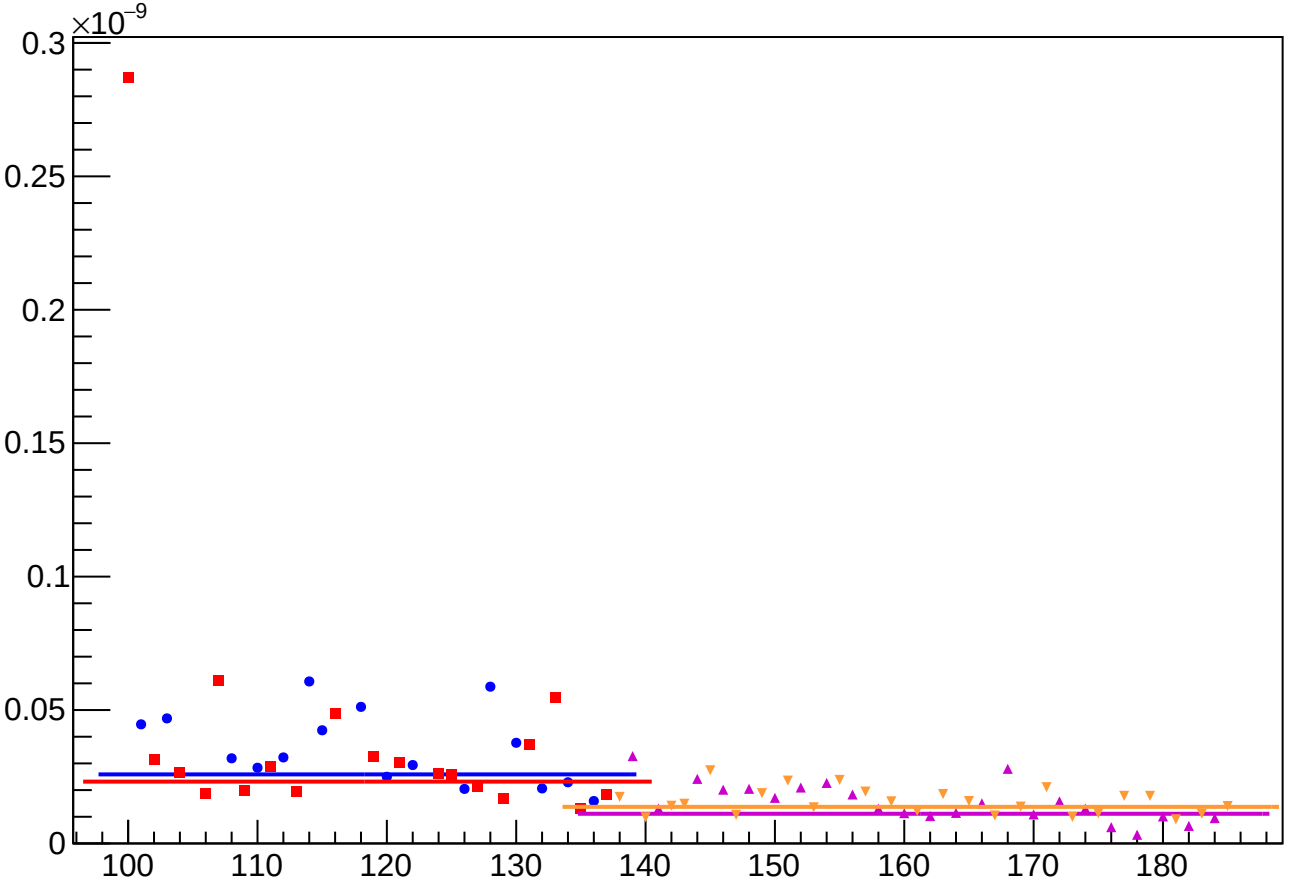
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/40

All: 0.000+/-0.000 χ^2/NDF: 78.4/82

- sign 0.000+/-0.000 χ^2/NDF: 54.1/41

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

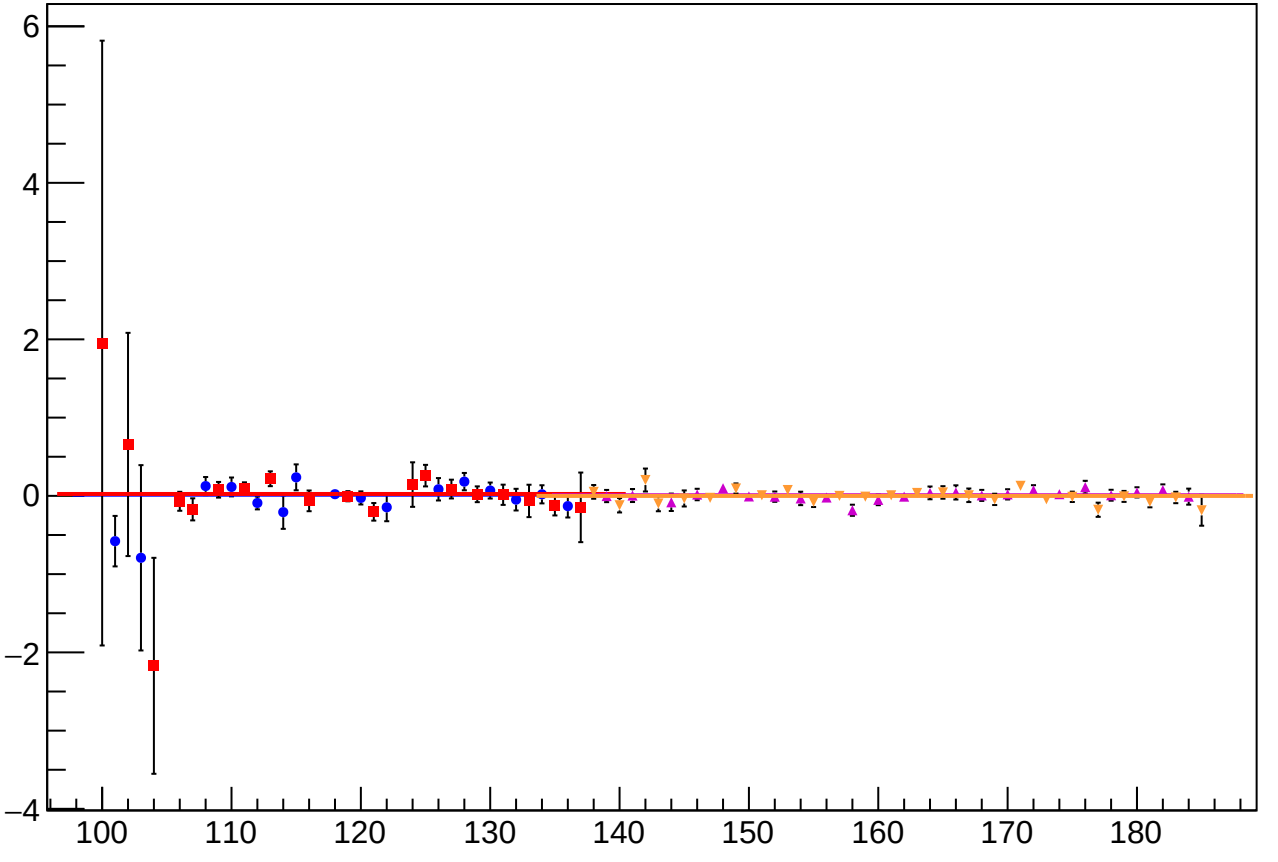
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3018097.7/40

All: 0.000+/-0.000 χ^2/NDF: 8221100.9/82

- 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: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

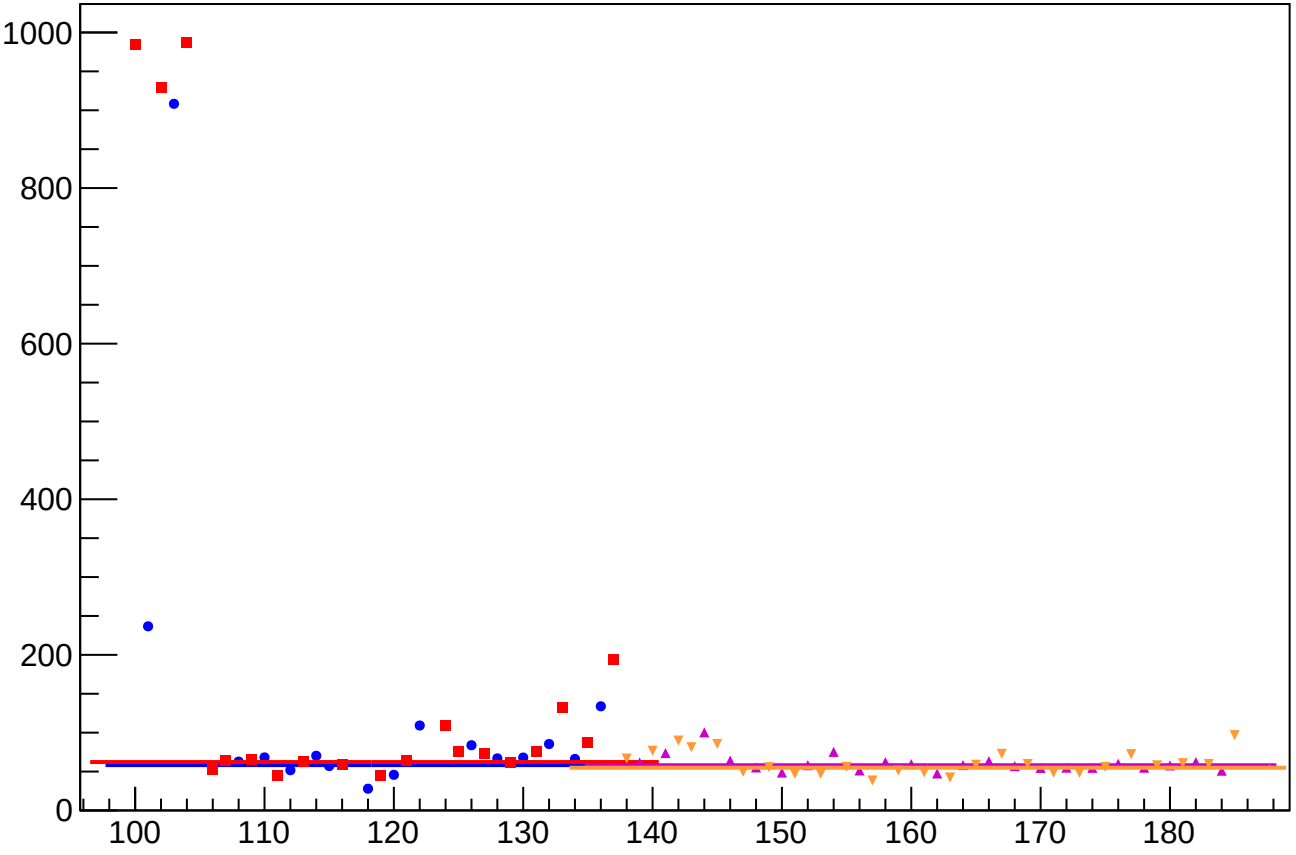
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 37.9/40

All: 0.007+/-0.009 χ^2/NDF: 74.7/82

- 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: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

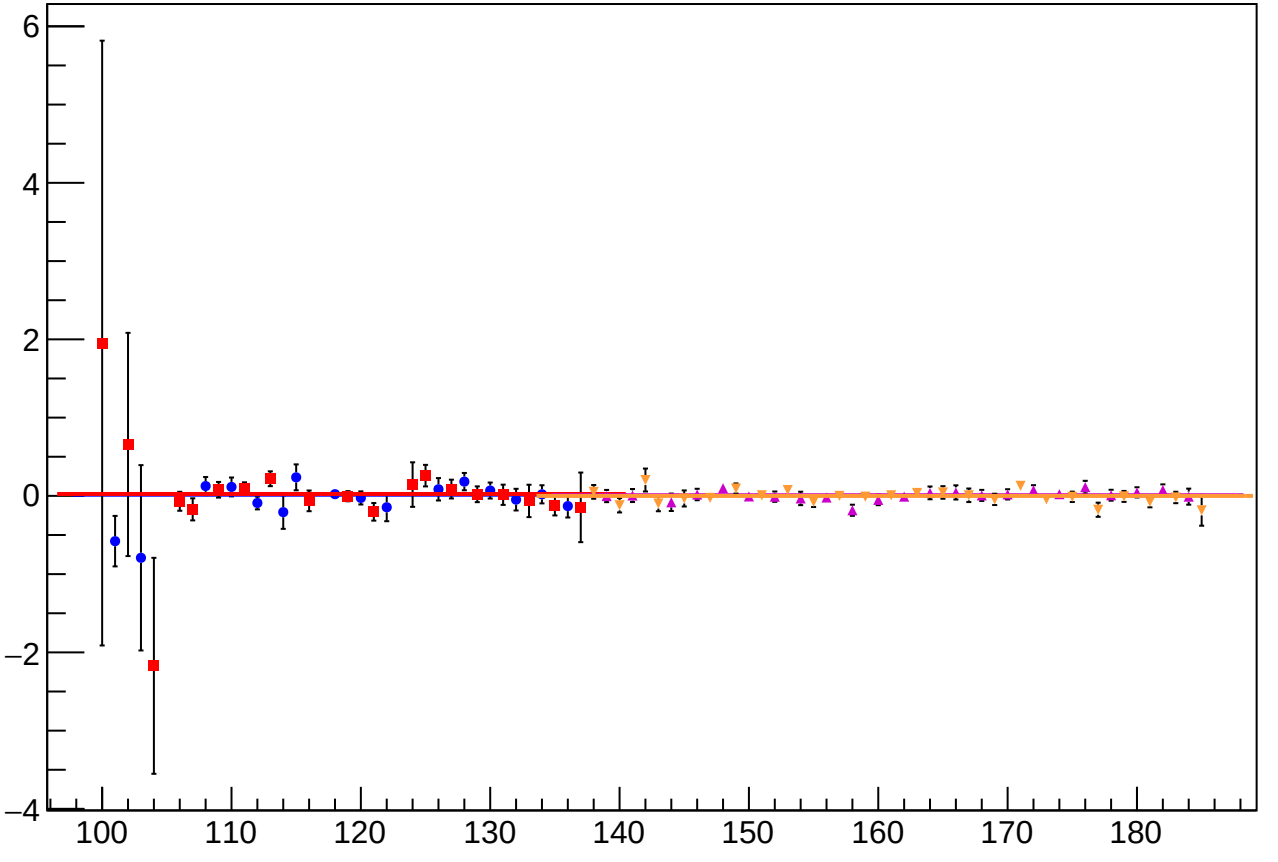
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

\+ sign 55.621+/-0.009 χ^2/NDF: 4581557.1/40

All: 57.256+/-0.006 χ^2/NDF: 7970030.9/82

\- 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: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

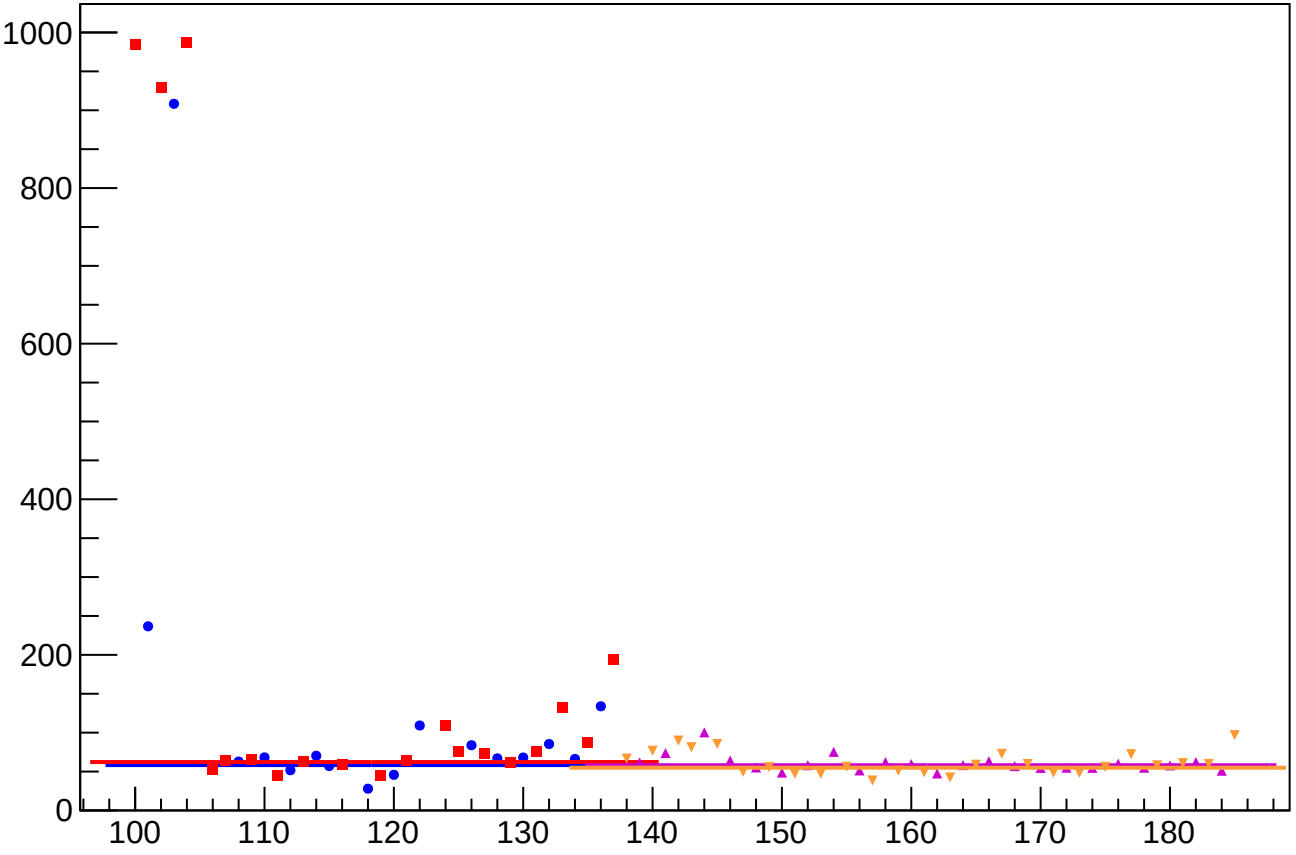
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 37.9/40

All: 0.007+/-0.009 χ^2/NDF: 74.7/82

- 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: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

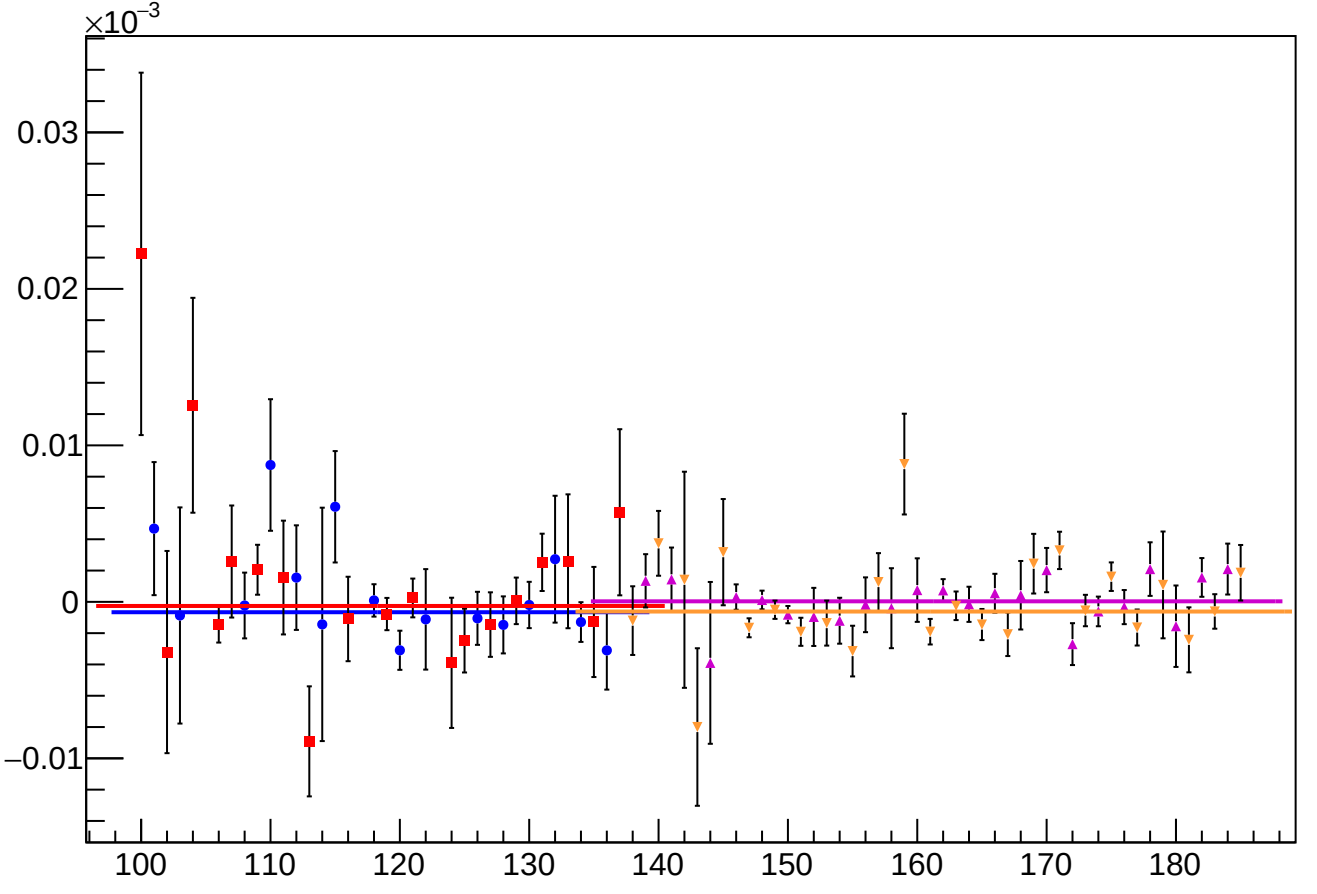
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.621+/-0.009 χ^2/NDF: 4581557.1/40

All: 57.256+/-0.006 χ^2/NDF: 7970030.9/82

- 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:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

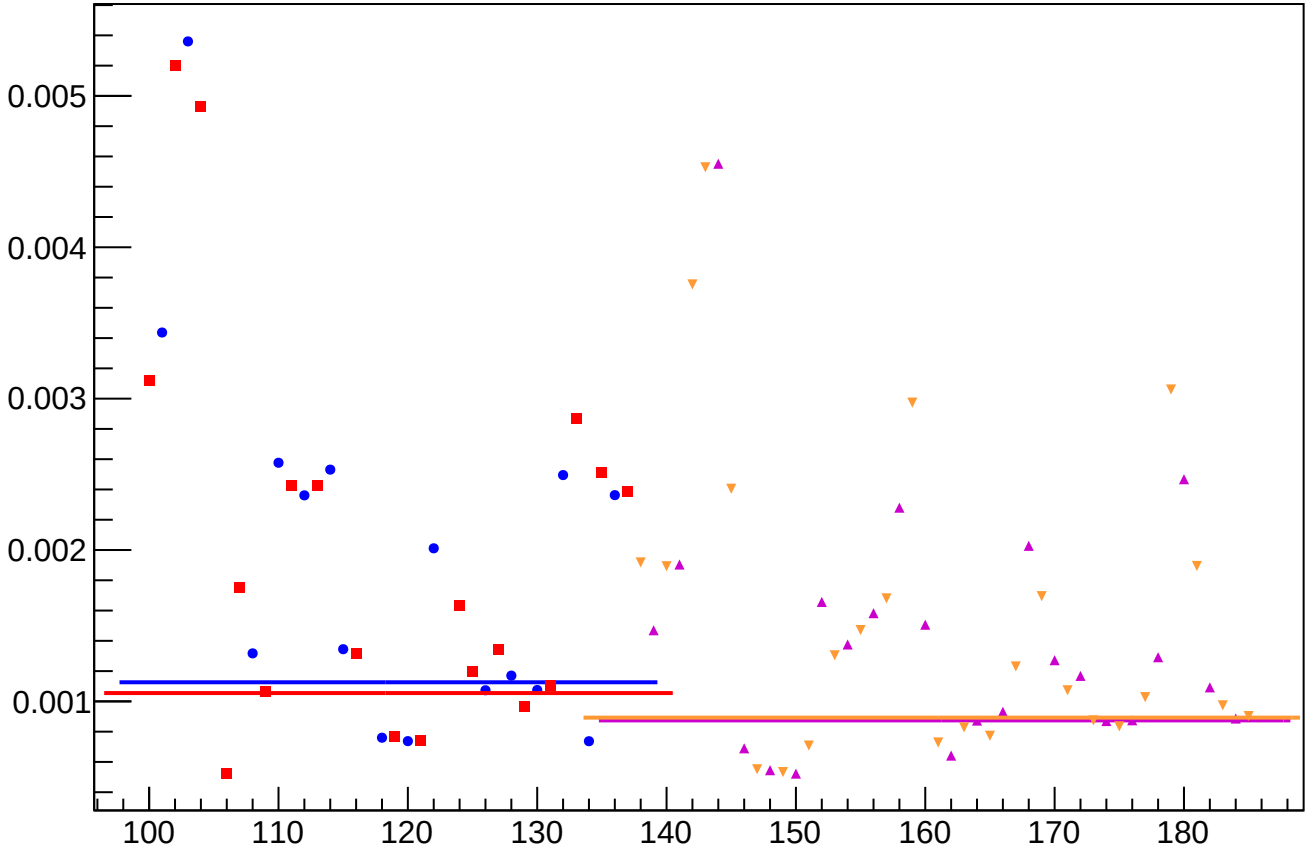
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.0/40

All: -0.000+/-0.000 χ^2/NDF: 117.1/82

- 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:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

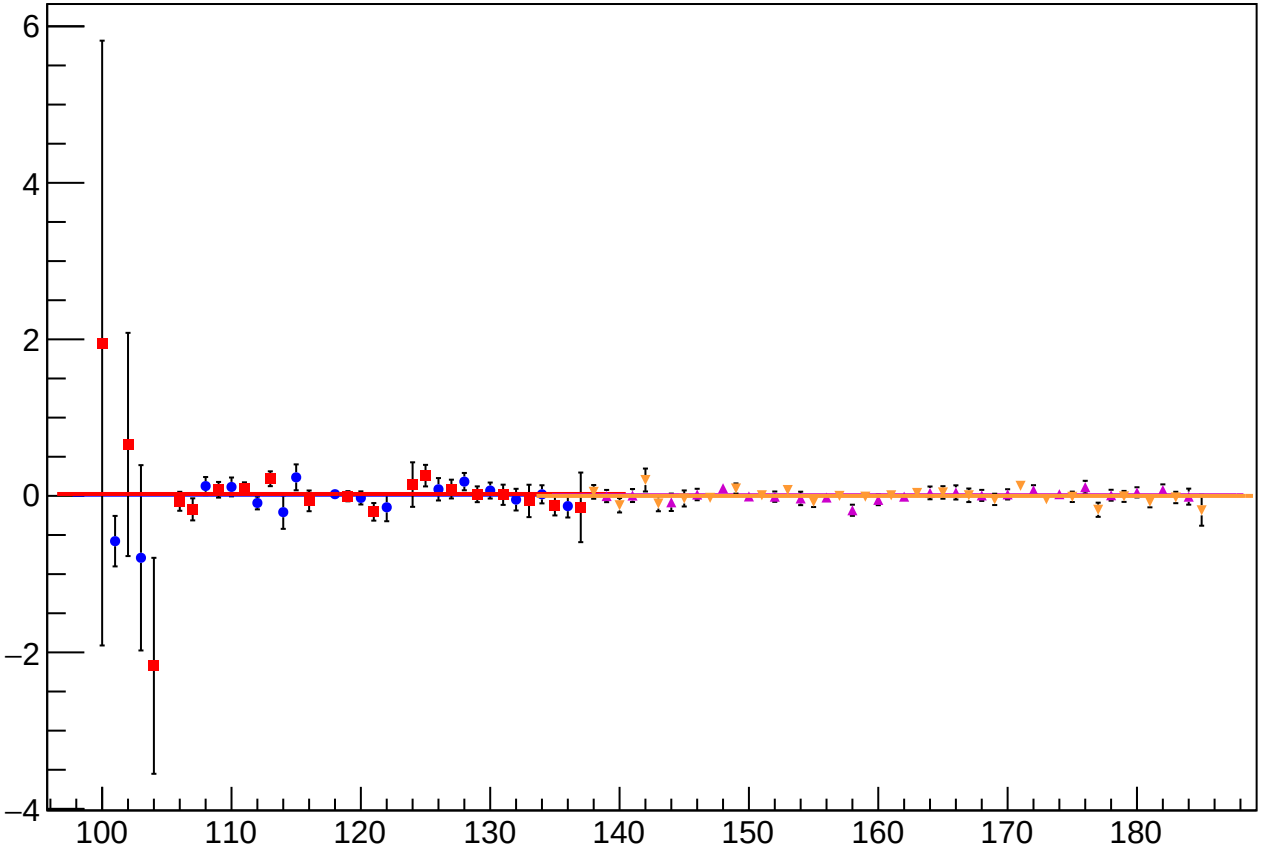
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 11562327.6/40

All: 0.001+/-0.000 χ^2/NDF: 22627400.5/82

- 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: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

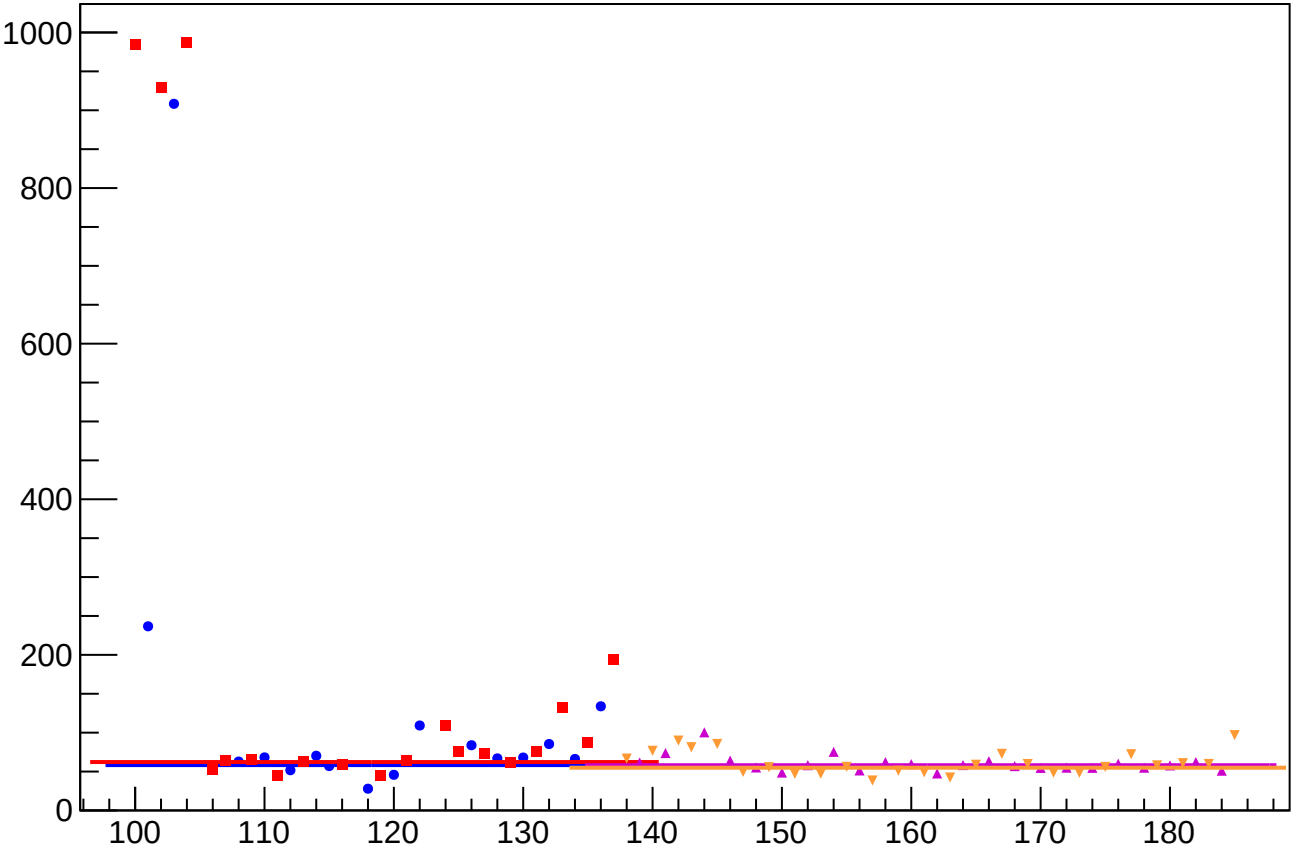
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 37.9/40

All: 0.007+/-0.009 χ^2/NDF: 74.7/82

- 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: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

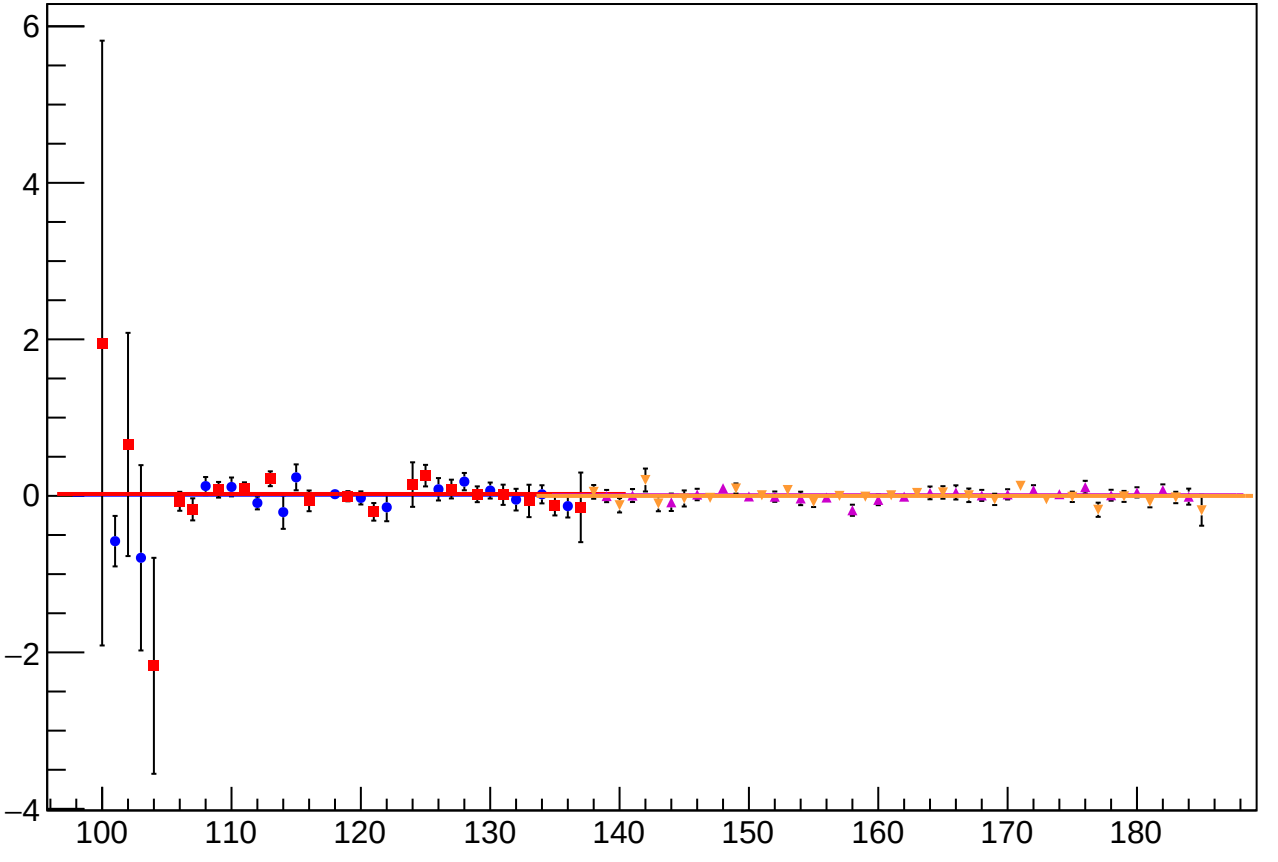
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.620+/-0.009 χ^2/NDF: 4581707.4/40

All: 57.256+/-0.006 χ^2/NDF: 7970214.6/82

- 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: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

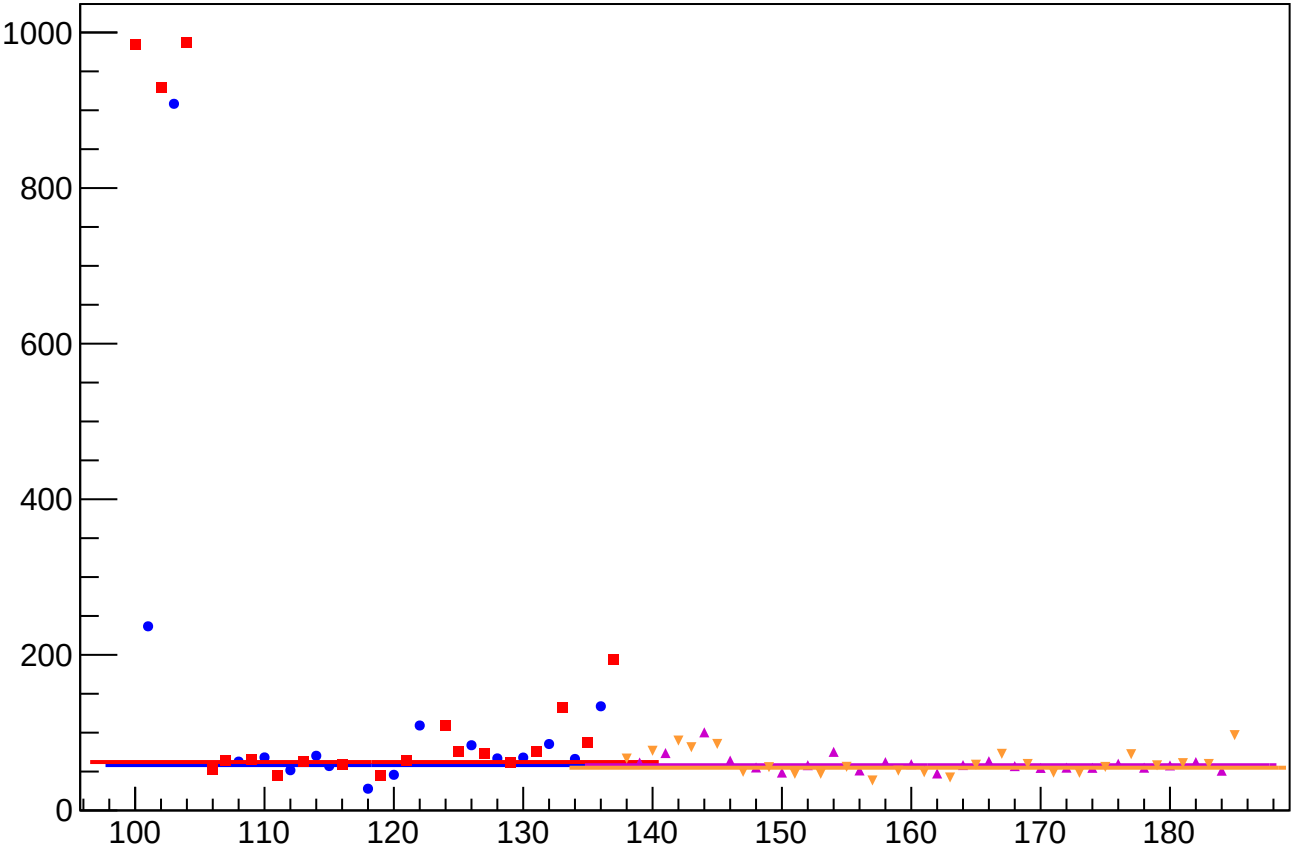
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 37.9/40

All: 0.007+/-0.009 χ^2/NDF: 74.7/82

- 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: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

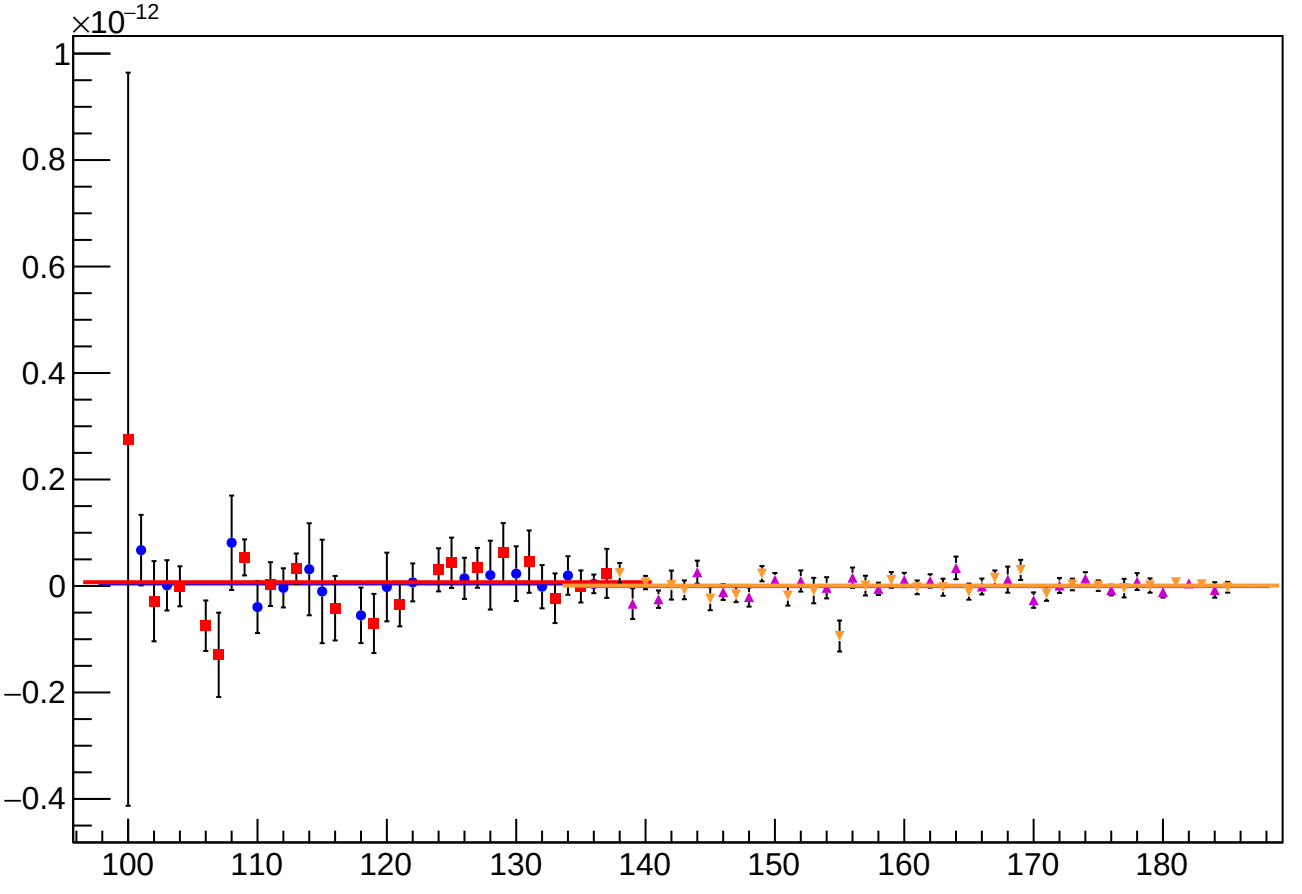
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.620+/-0.009 χ^2/NDF: 4581707.4/40

All: 57.256+/-0.006 χ^2/NDF: 7970214.6/82

- 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:25.3/24

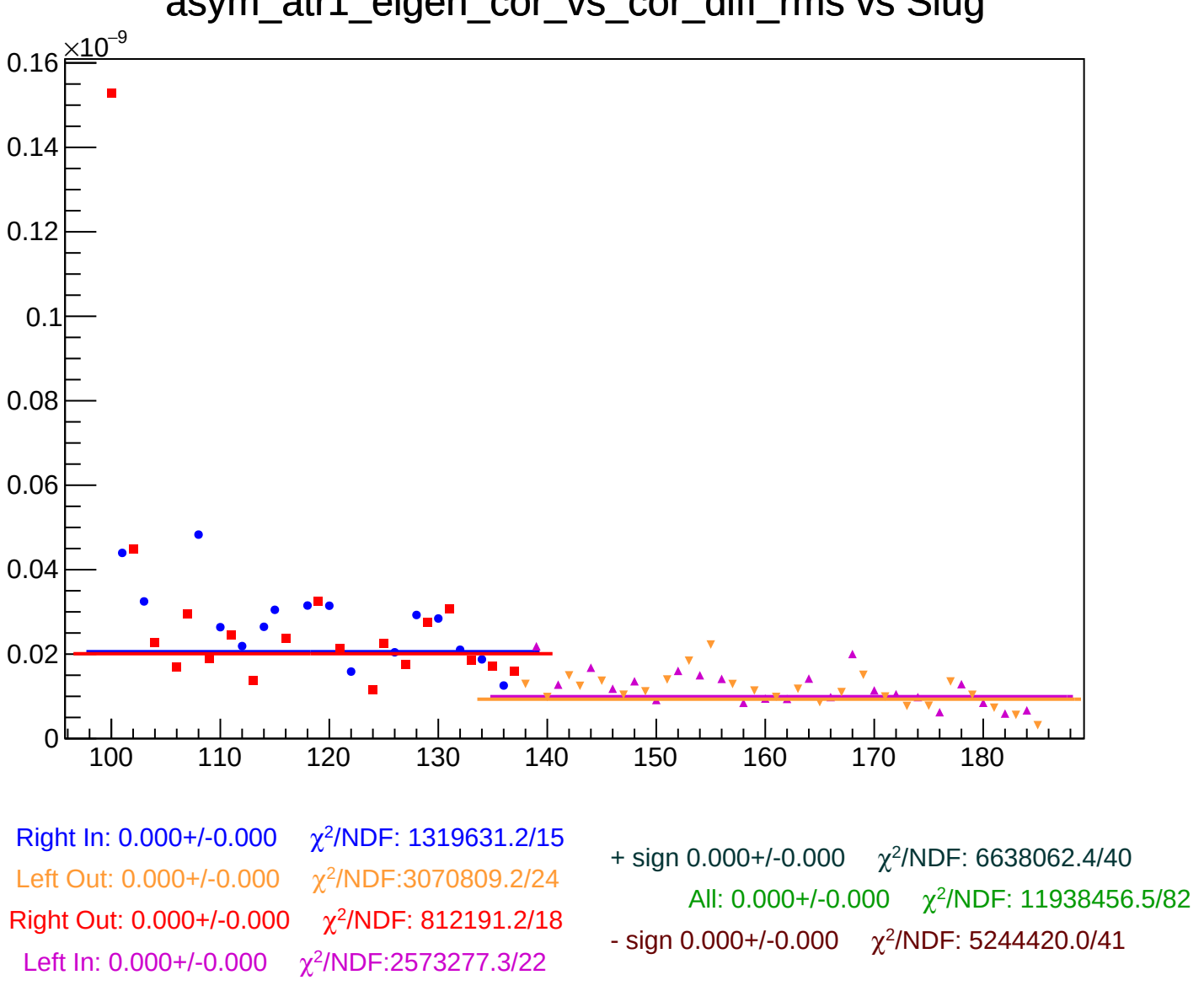
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

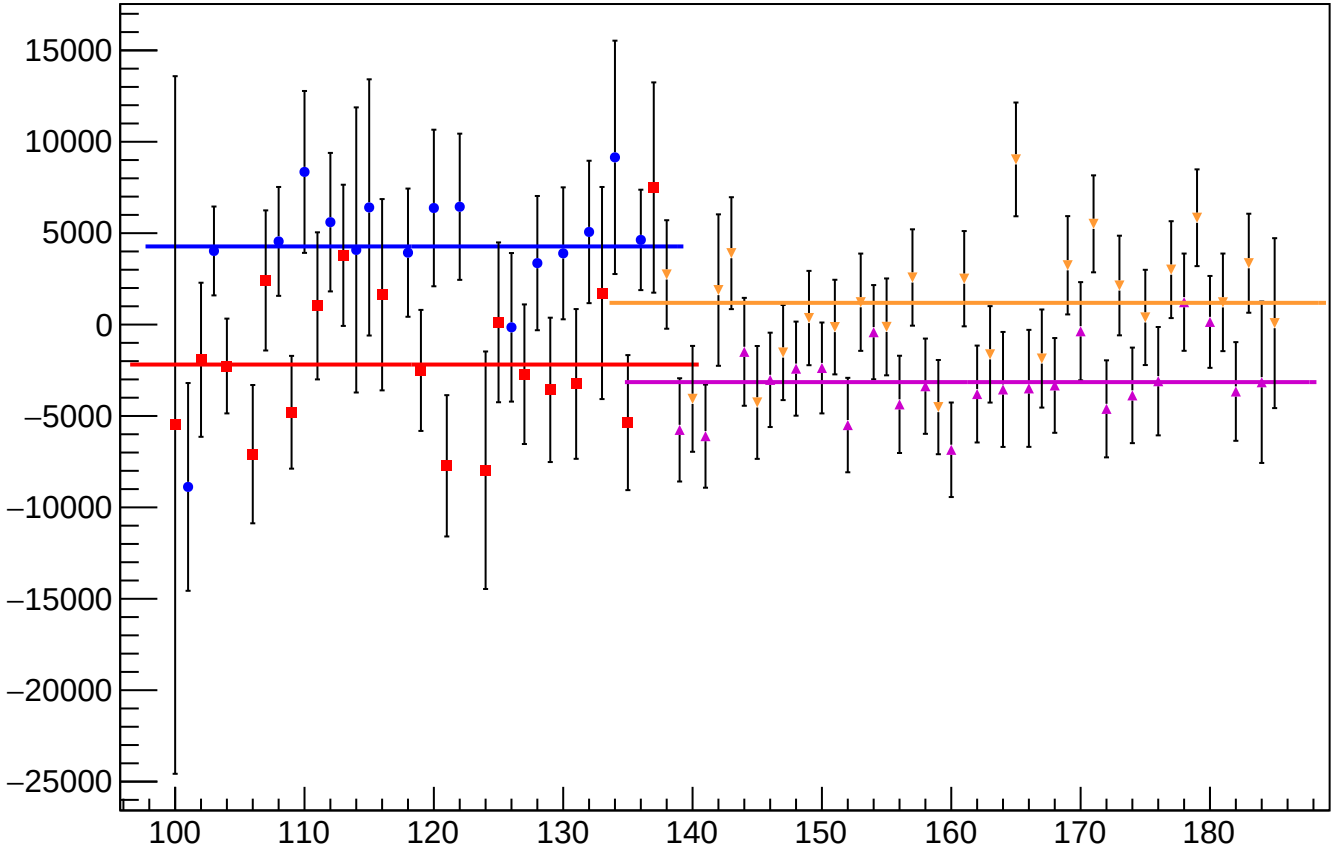
+ sign 0.000+/-0.000 χ^2/NDF: 29.9/40

All: 0.000+/-0.000 χ^2/NDF: 66.7/82

- sign 0.000+/-0.000 χ^2/NDF: 36.9/41


asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1319631.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3070809.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 812191.2/18
Left In: 0.000+/-0.000 χ²/NDF:2573277.3/22
+ sign 0.000+/-0.000 χ²/NDF: 6638062.4/40
All: 0.000+/-0.000 χ²/NDF: 11938456.5/82
- sign 0.000+/-0.000 χ²/NDF: 5244420.0/41

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

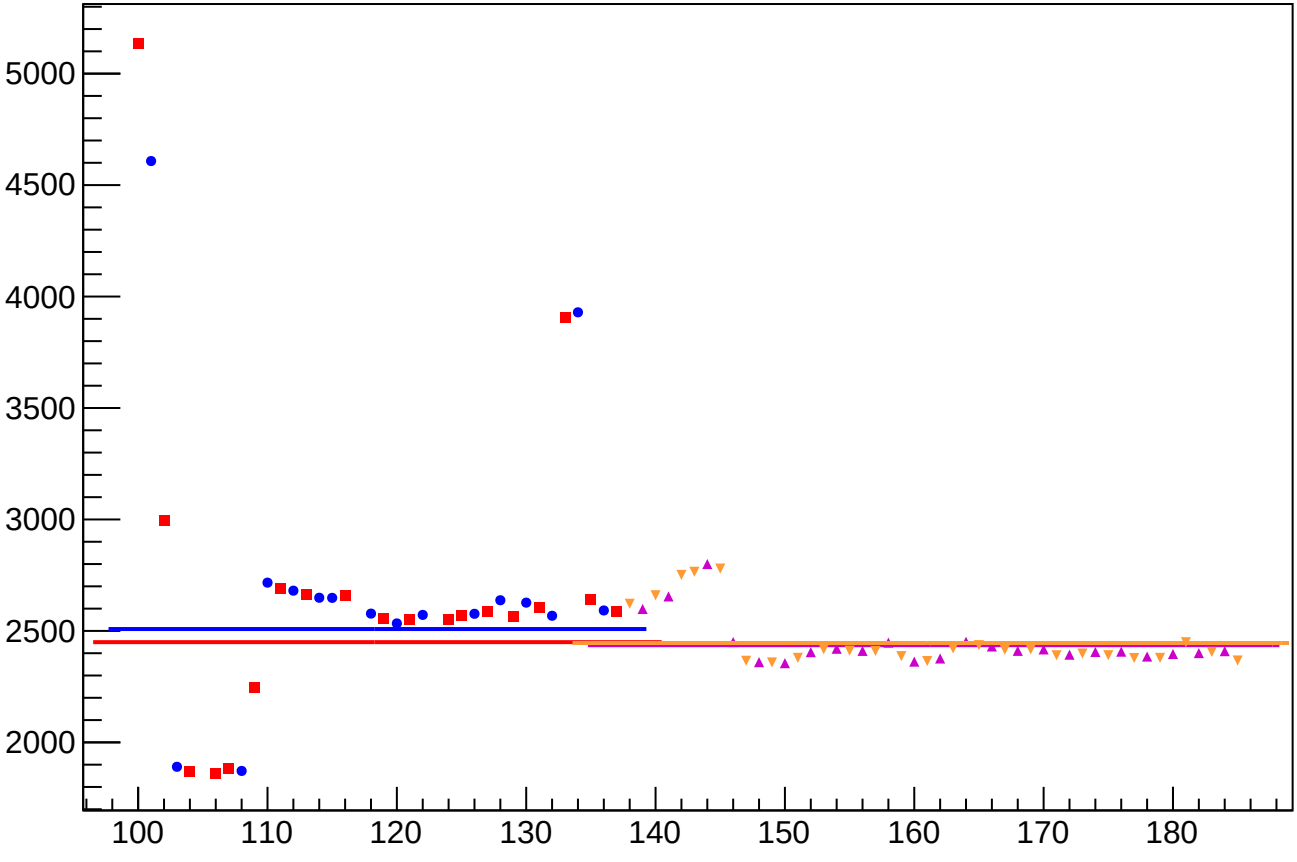
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1974.182+/-480.265 χ^2/NDF: 47.8/40

All: -433.368+/-341.039 χ^2/NDF: 126.8/82

- 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: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

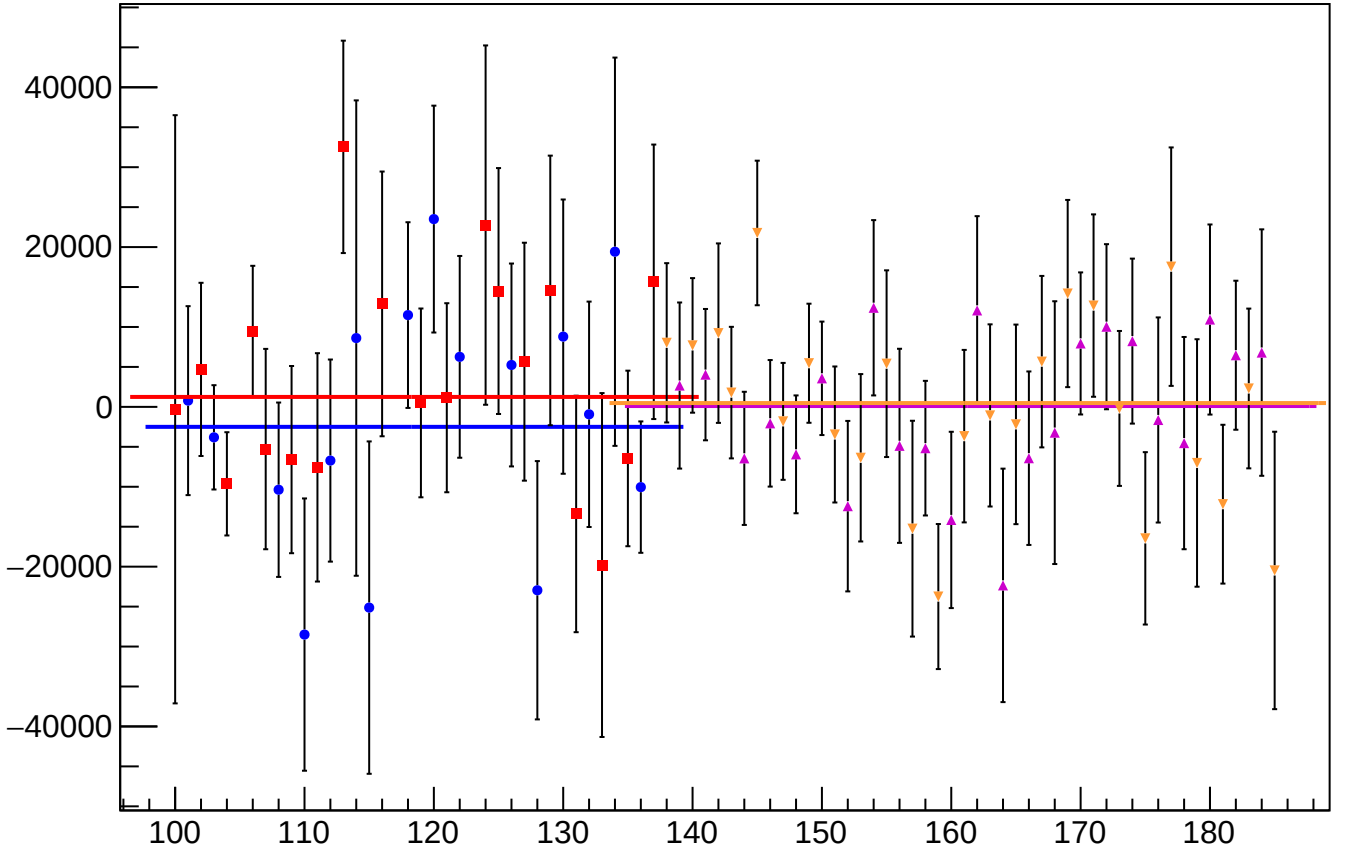
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2461.769+/-0.340 χ^2/NDF: 708060.2/40

All: 2450.840+/-0.241 χ^2/NDF: 1206558.8/82

- 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: 477.187+/-2035.969 χ^2/NDF:27.4/24

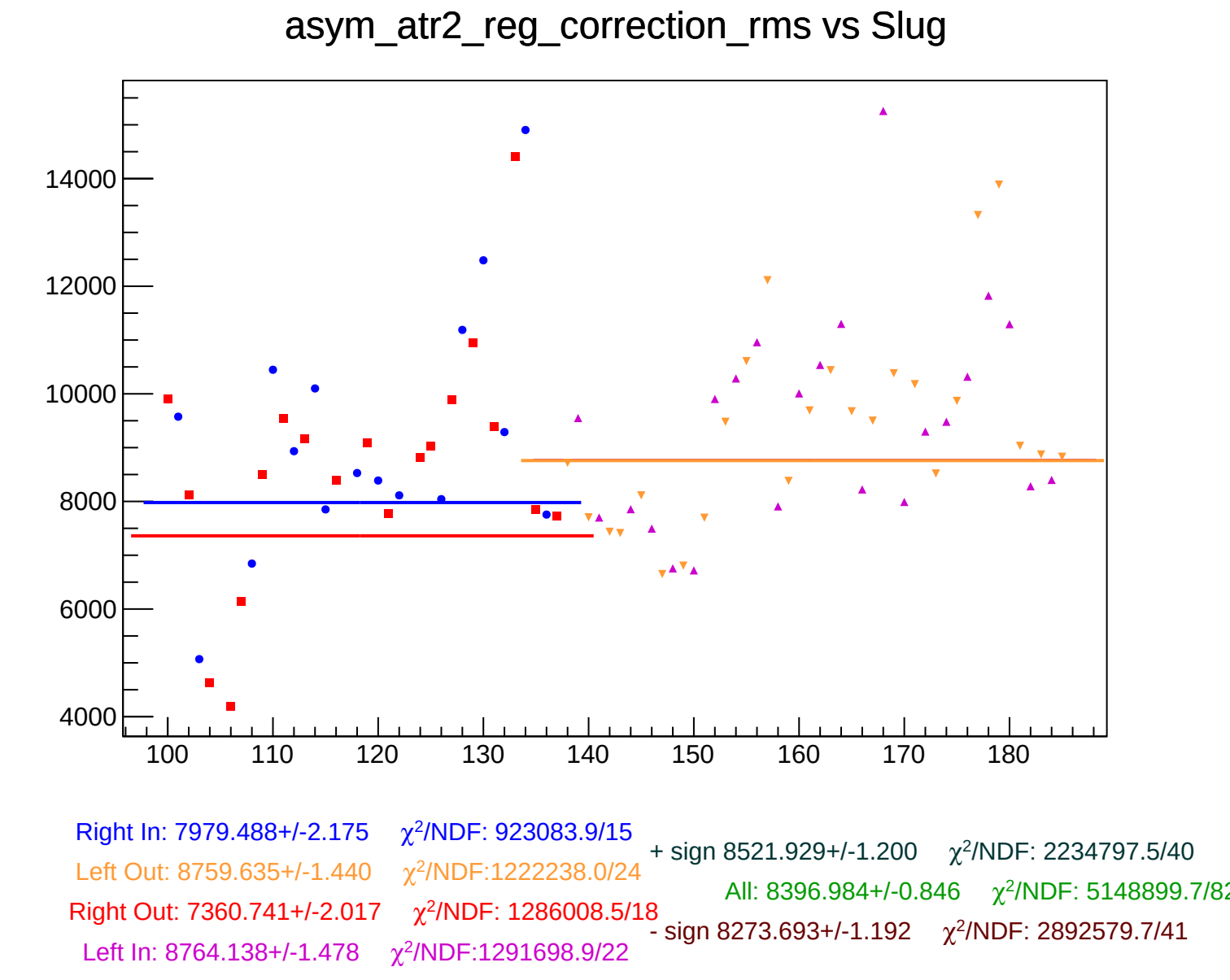
Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

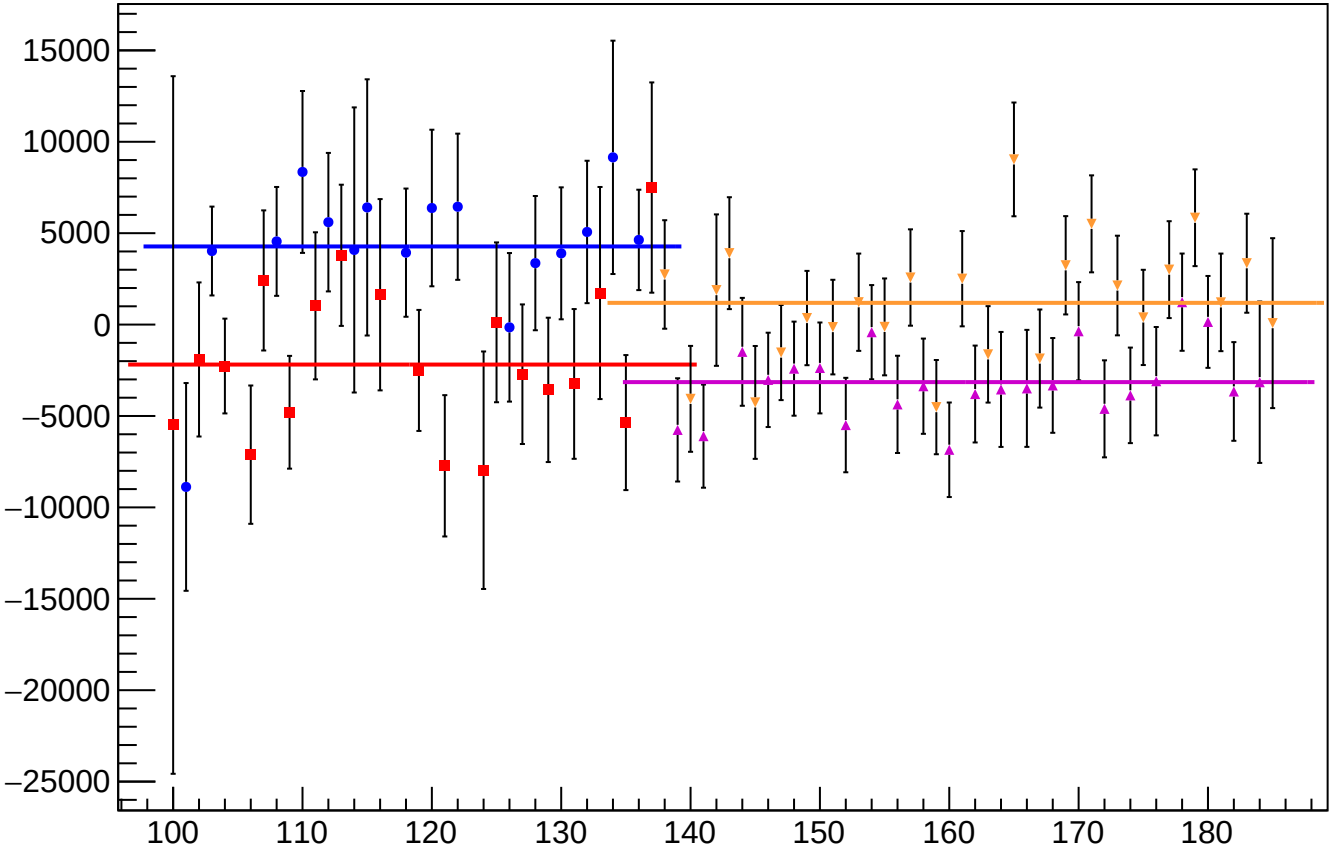
+ sign -430.128+/-1697.693 χ^2/NDF: 41.8/40

All: 39.613+/-1196.446 χ^2/NDF: 73.1/82

- sign 503.139+/-1686.424 χ^2/NDF: 31.2/41


asym_atr2_reg_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
+ sign 8521.929+/-1.200 χ²/NDF: 2234797.5/40
All: 8396.984+/-0.846 χ²/NDF: 5148899.7/82
- sign 8273.693+/-1.192 χ²/NDF: 2892579.7/41

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

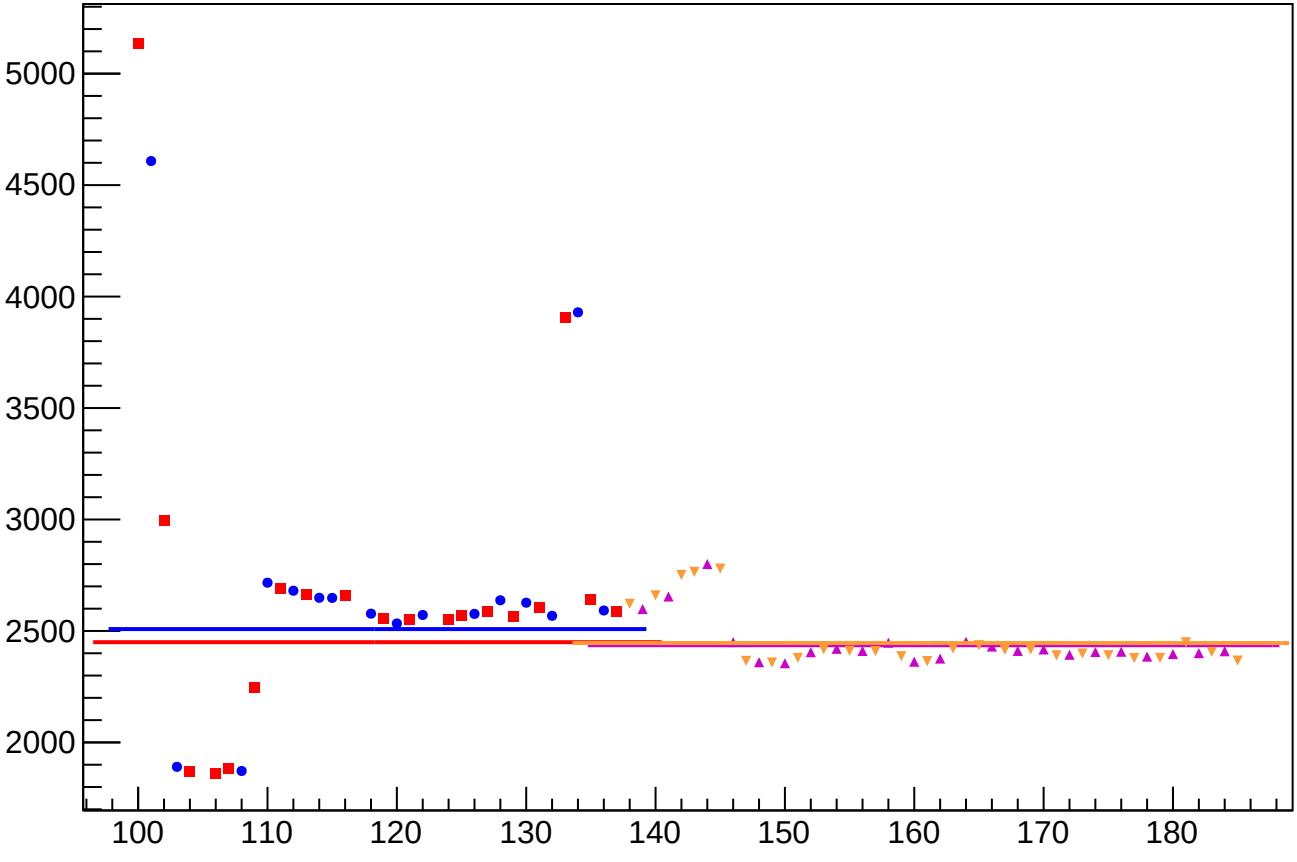
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1973.930+/-480.265 χ^2/NDF: 47.9/40

All: -433.506+/-341.040 χ^2/NDF: 126.8/82

- 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: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

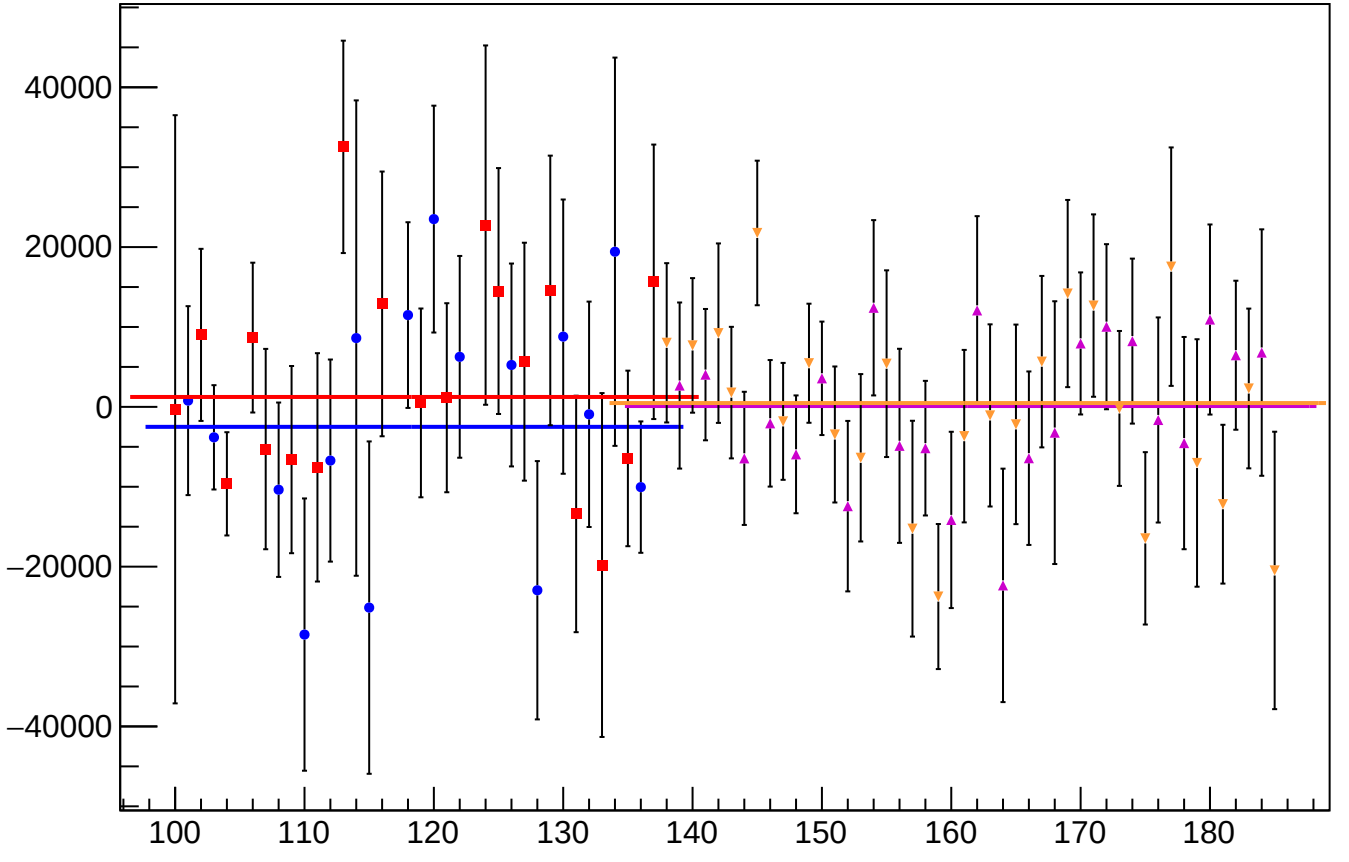
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2461.769+/-0.340 χ^2/NDF: 708058.2/40

All: 2450.843+/-0.241 χ^2/NDF: 1206502.3/82

- 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: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

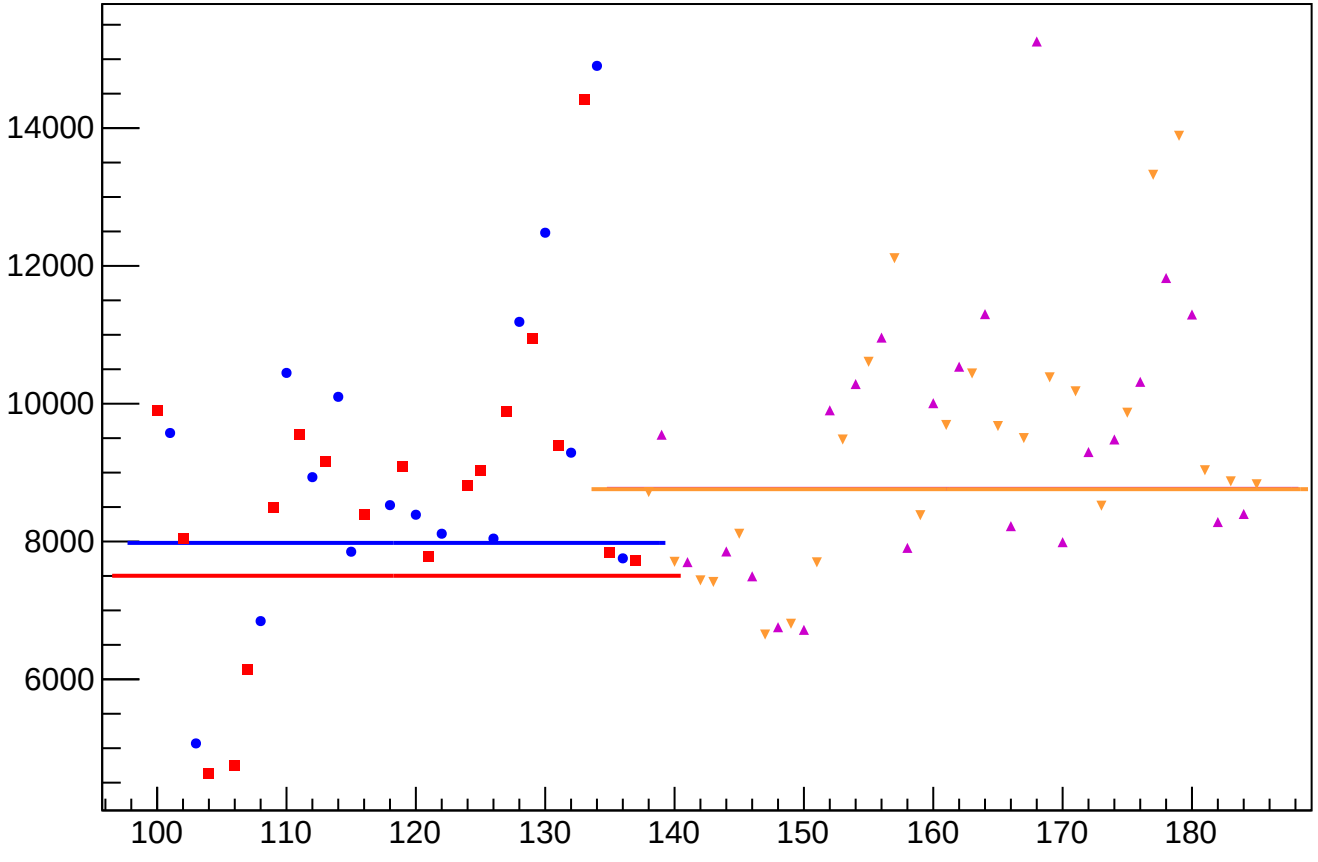
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -430.015+/-1697.706 χ^2/NDF: 41.8/40

All: 32.978+/-1199.403 χ^2/NDF: 73.2/82

- sign 494.345+/-1694.721 χ^2/NDF: 31.2/41

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

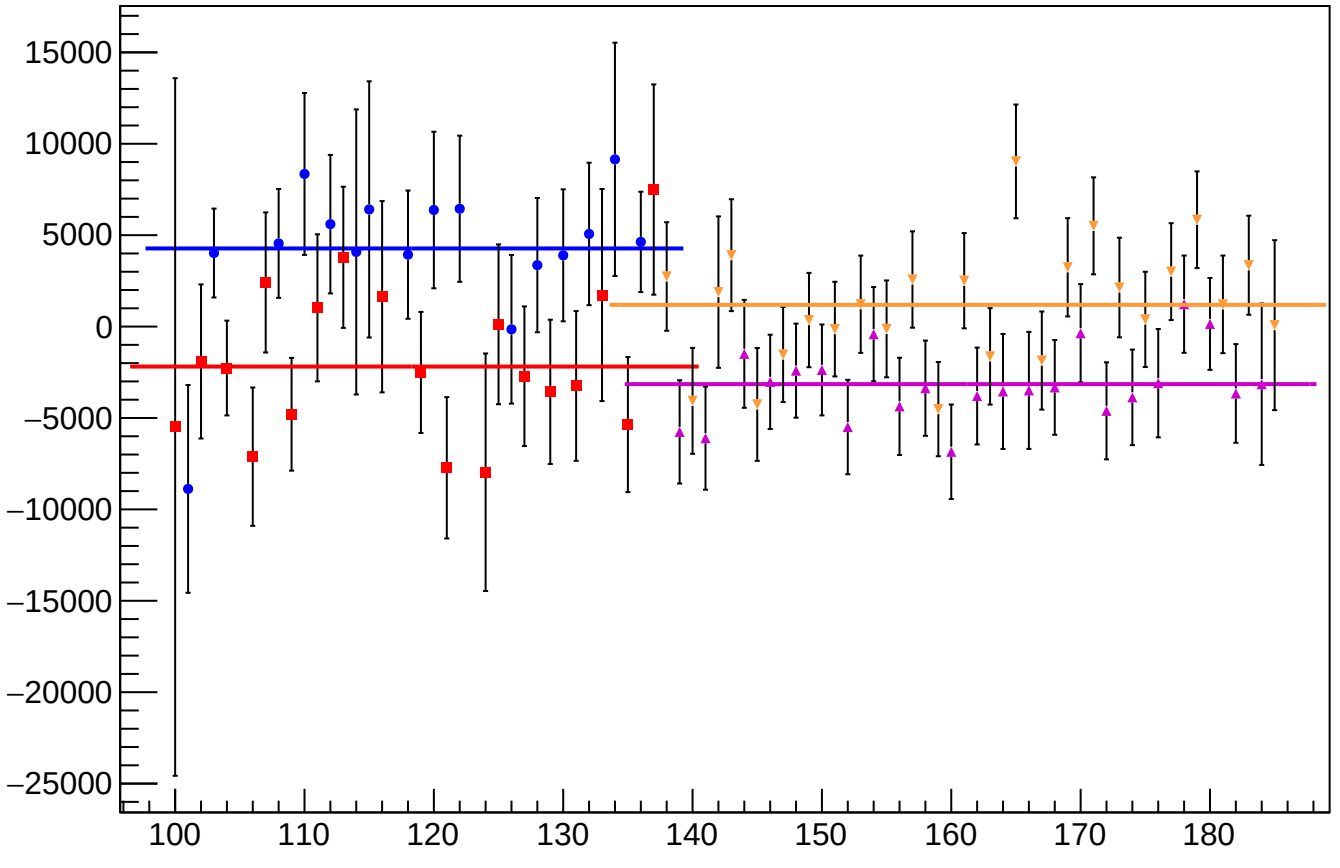
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8522.030+/-1.200 χ^2/NDF: 2234429.8/40

All: 8426.543+/-0.848 χ^2/NDF: 4924011.1/82

- sign 8331.390+/-1.198 χ^2/NDF: 2676949.4/41



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

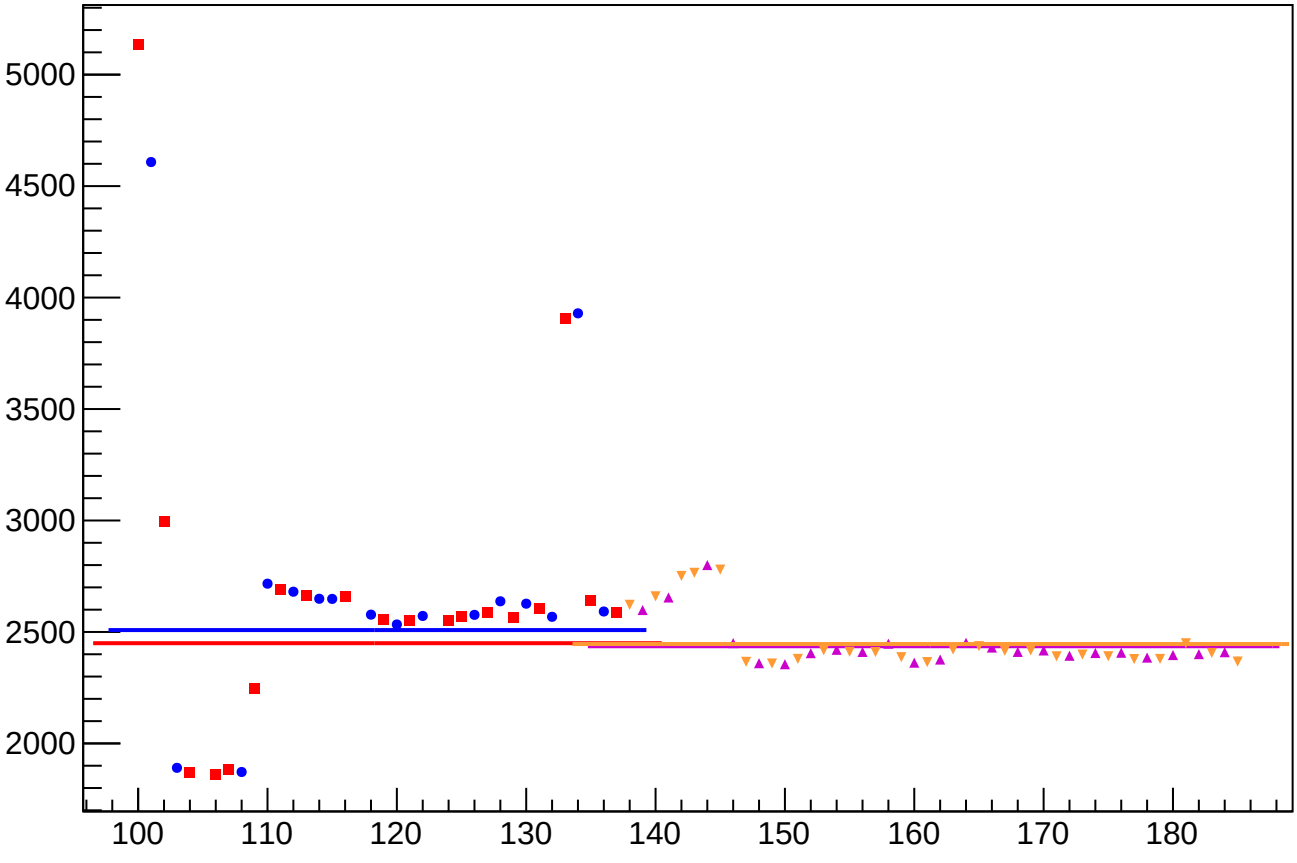
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1973.930+/-480.265 χ^2/NDF: 47.9/40

All: -433.506+/-341.040 χ^2/NDF: 126.8/82

- 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: 2445.826+/-0.393 χ^2/NDF:90014.8/24

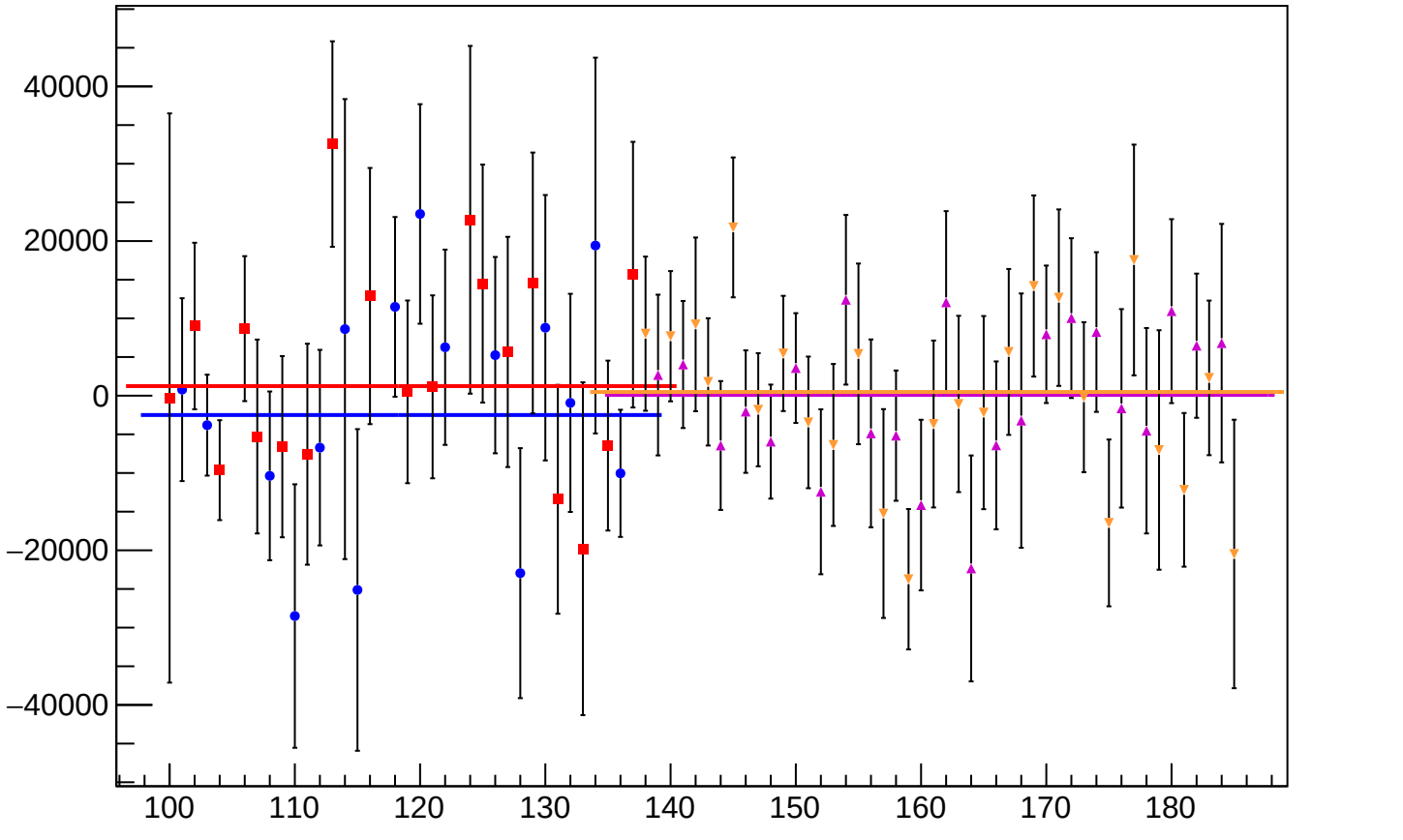
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2461.769+/-0.340 χ^2/NDF: 708058.2/40

All: 2450.843+/-0.241 χ^2/NDF: 1206502.3/82

- sign 2439.729+/-0.342 χ^2/NDF: 496356.0/41



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

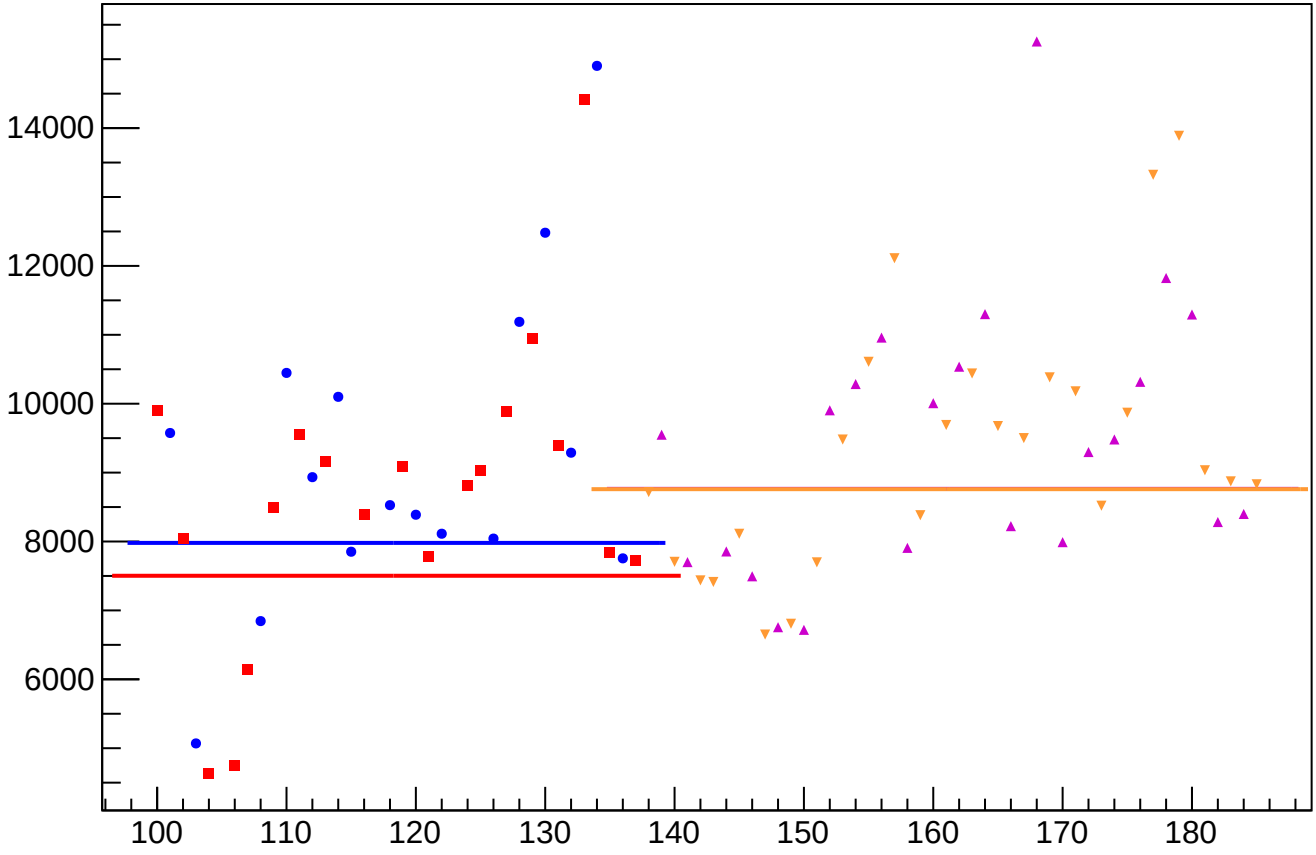
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -430.015+/-1697.706 χ^2/NDF: 41.8/40

All: 32.978+/-1199.403 χ^2/NDF: 73.2/82

- 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: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

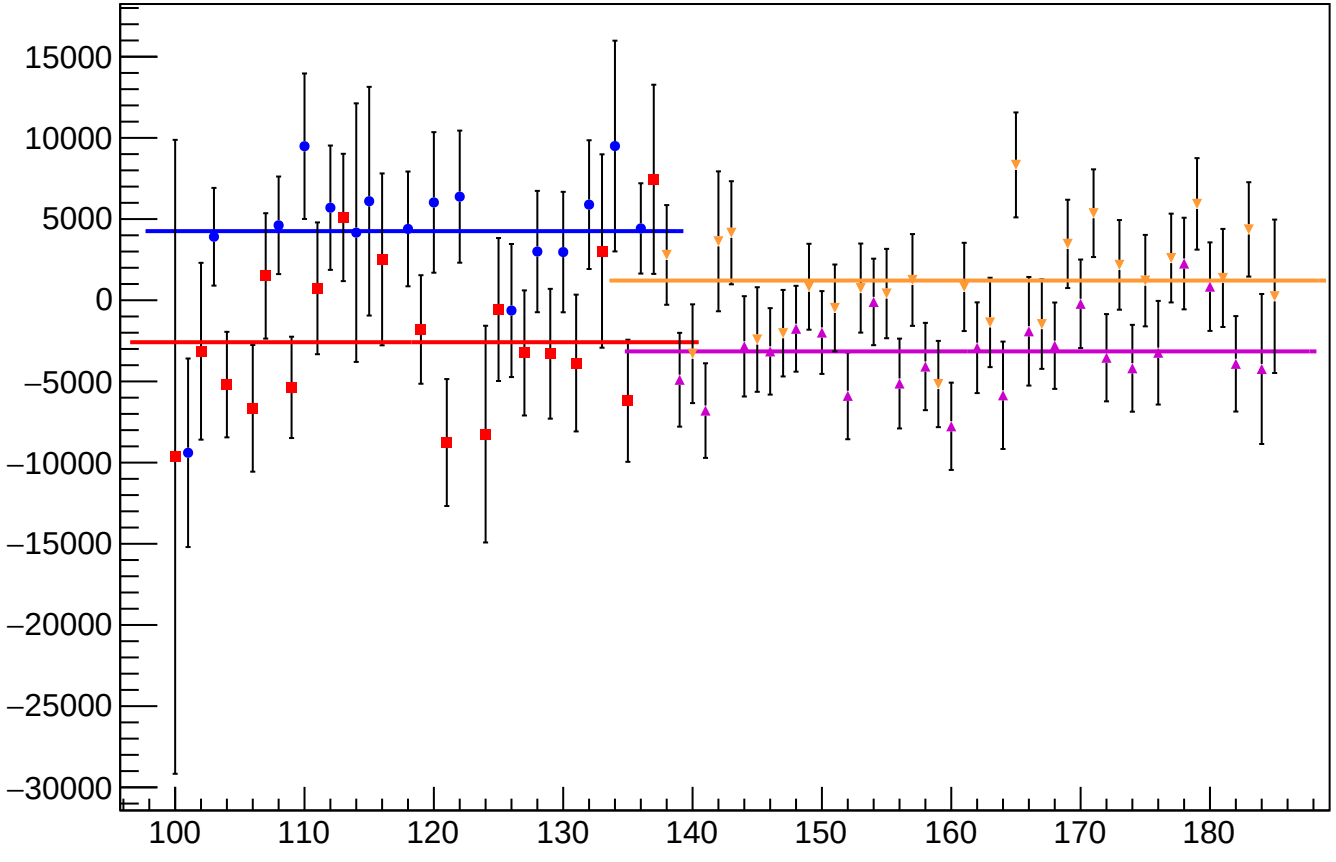
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8522.030+/-1.200 χ^2/NDF: 2234429.8/40

All: 8426.543+/-0.848 χ^2/NDF: 4924011.1/82

- 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: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

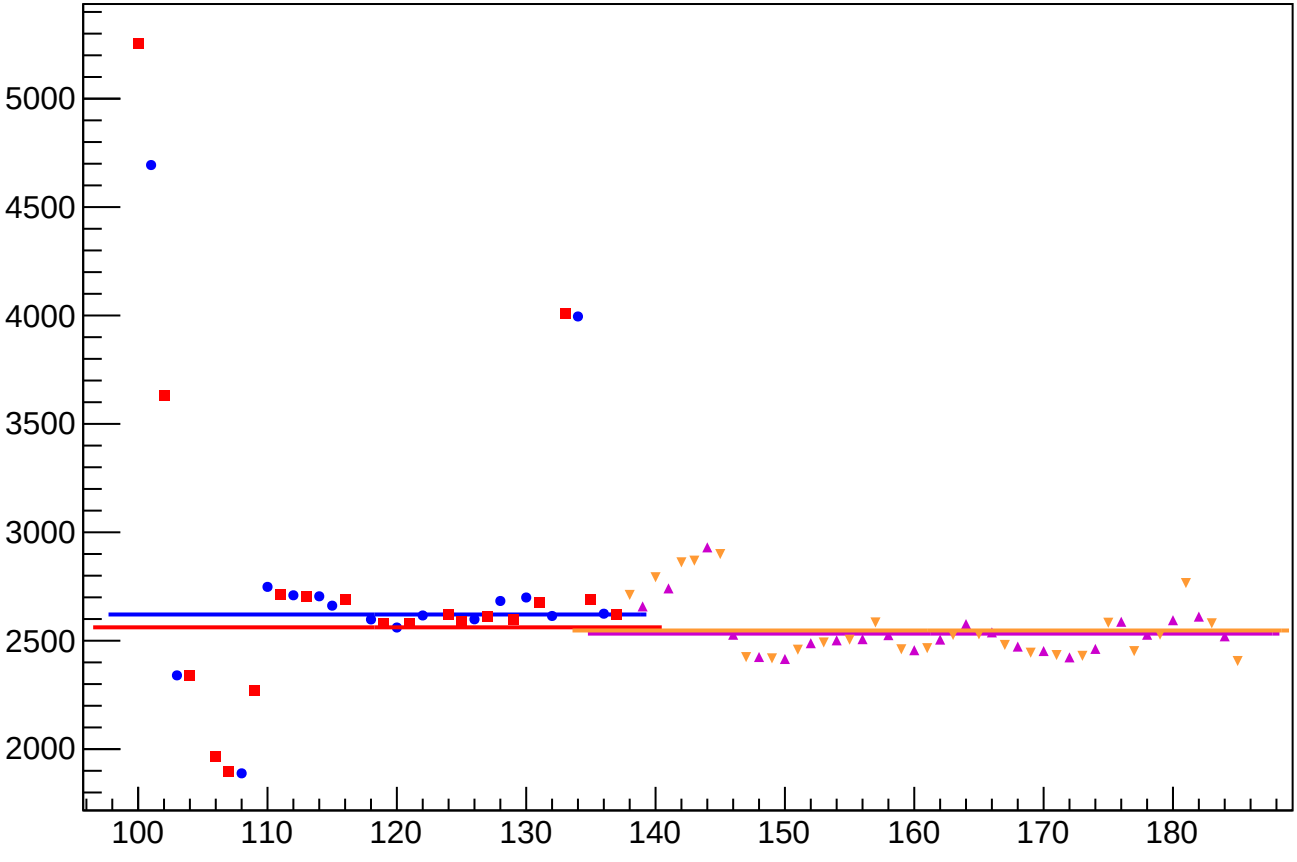
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 1990.221+/-500.313 χ^2/NDF: 43.9/40

All: -480.373+/-355.363 χ^2/NDF: 127.5/82

- 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: 2547.154+/-0.410 χ^2/NDF:117298.5/24

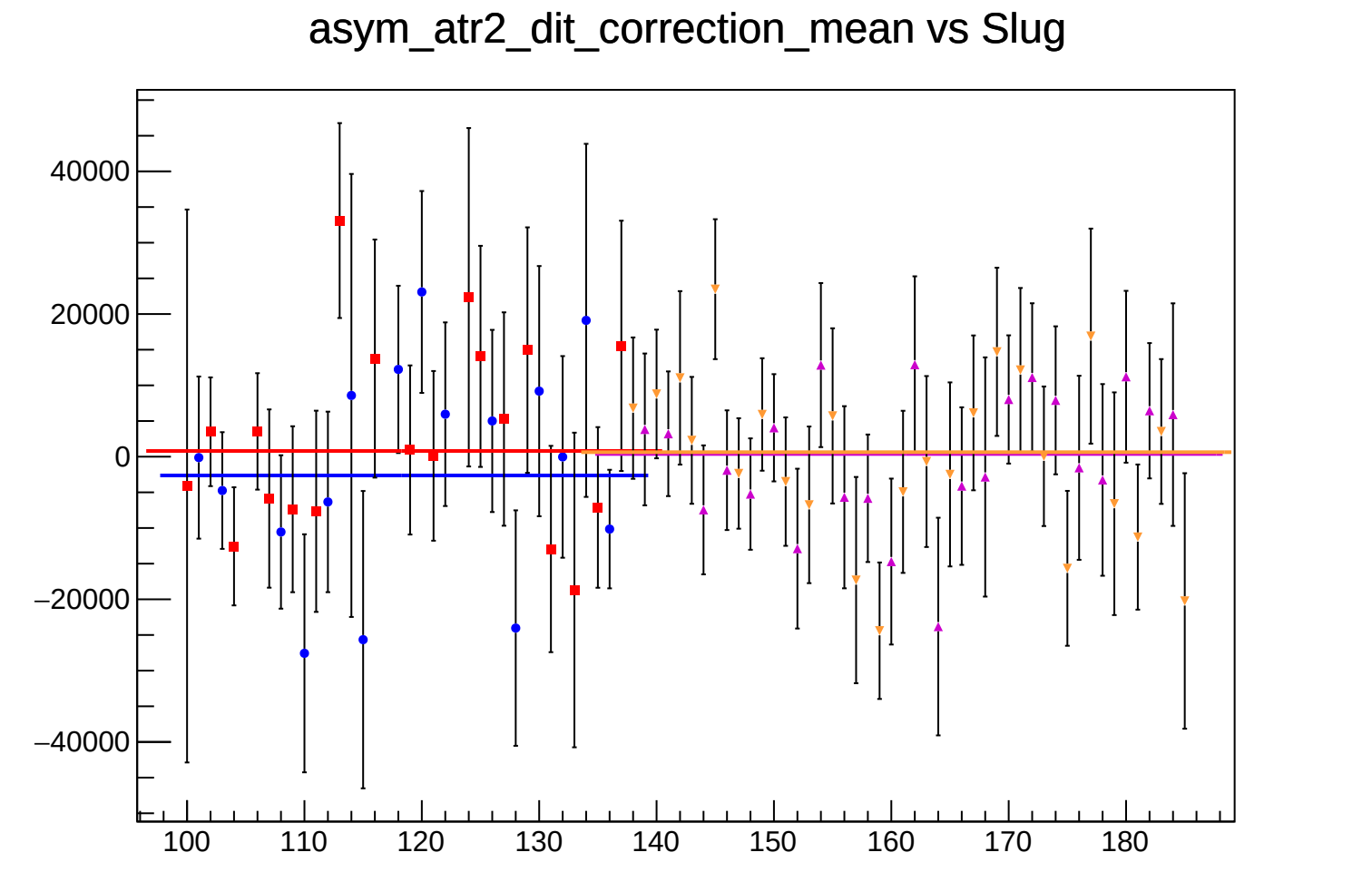
Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2565.984+/-0.354 χ^2/NDF: 611484.4/40

All: 2553.446+/-0.251 χ^2/NDF: 1062026.0/82

- sign 2540.684+/-0.357 χ^2/NDF: 448006.9/41



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

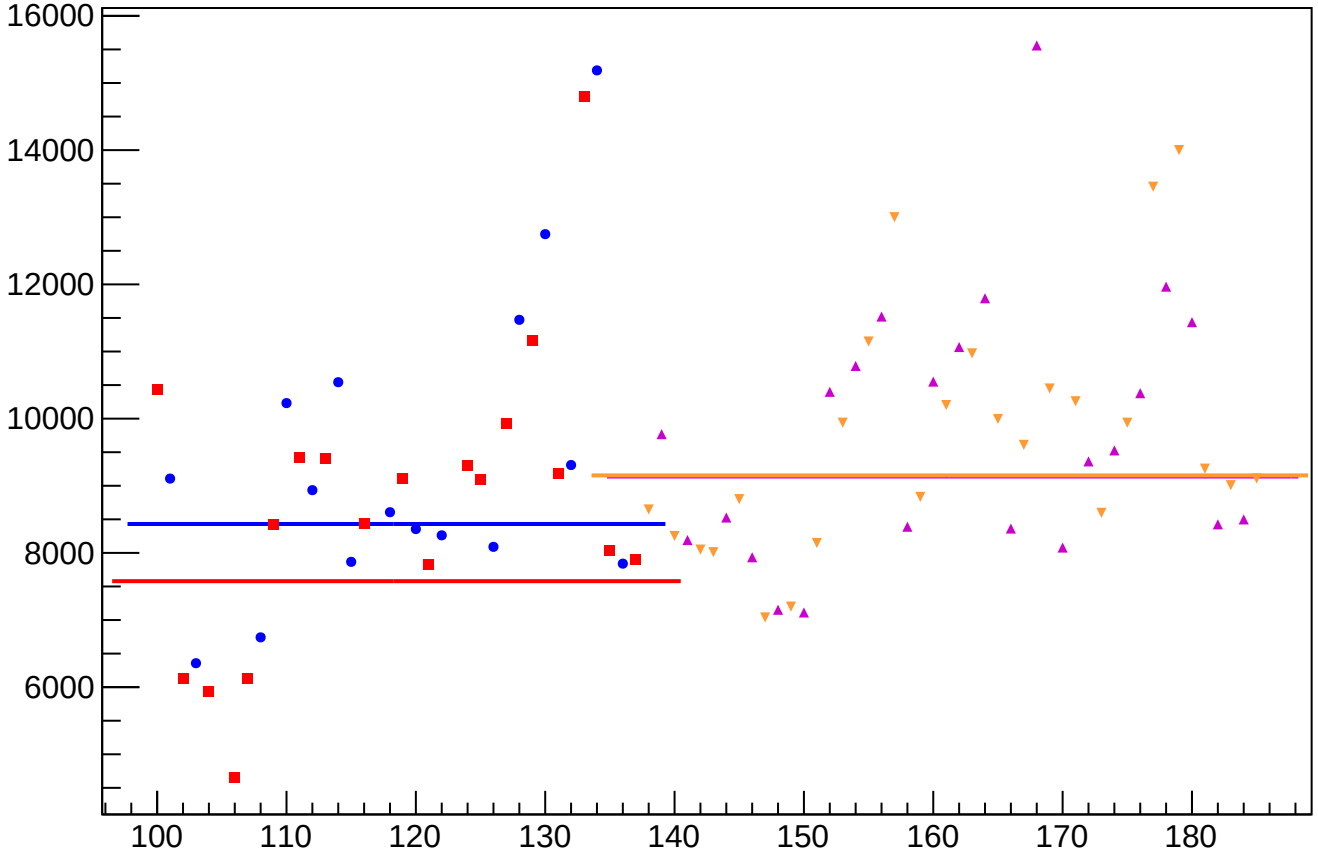
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -361.090+/-1771.070 χ^2/NDF: 41.2/40

All: 95.142+/-1239.307 χ^2/NDF: 71.0/82

- 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: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

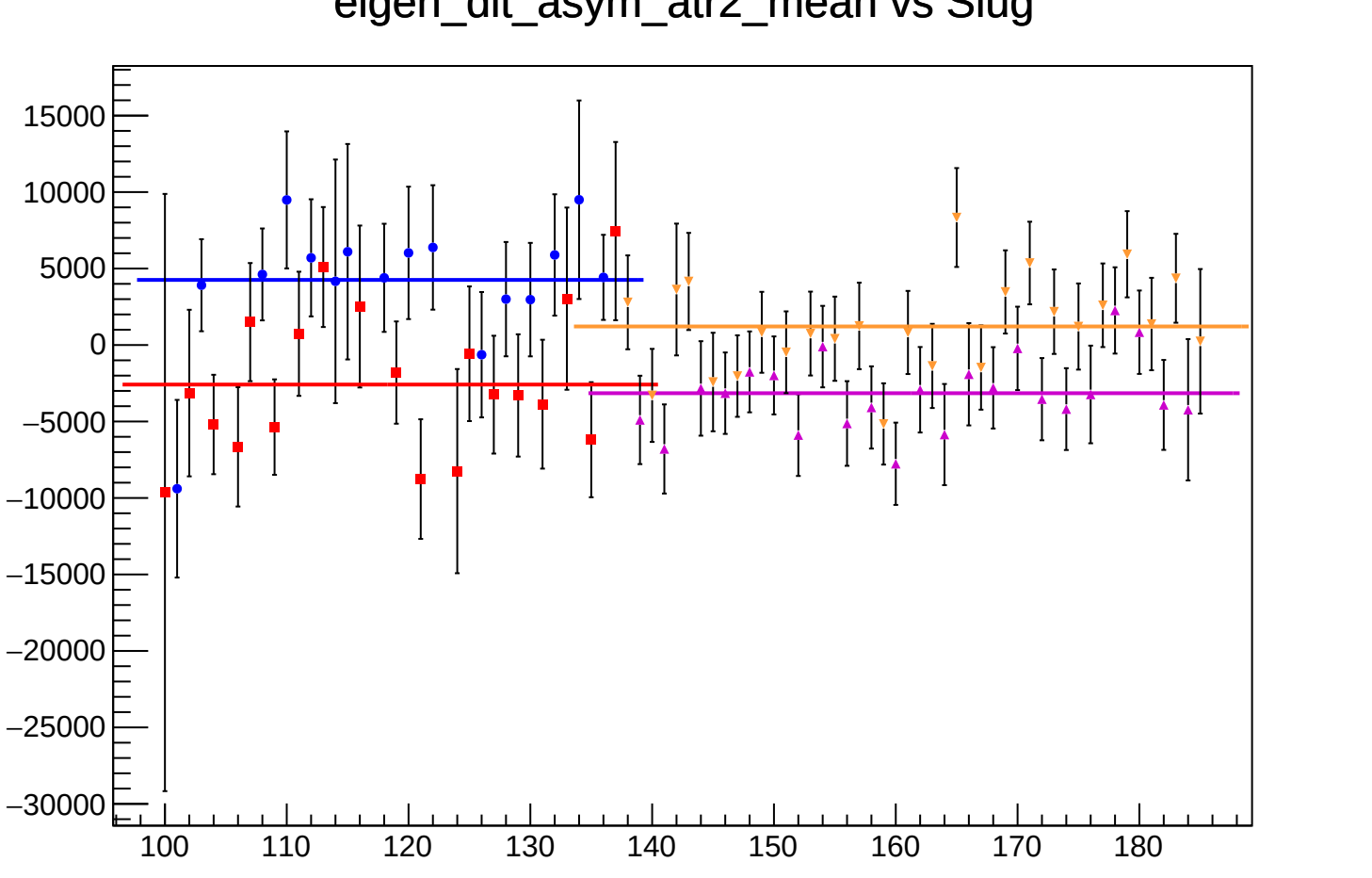
Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 8934.525+/-1.252 χ^2/NDF: 1723086.1/40

All: 8748.148+/-0.876 χ^2/NDF: 4287347.5/82

- sign 8569.331+/-1.227 χ^2/NDF: 2520863.1/41



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

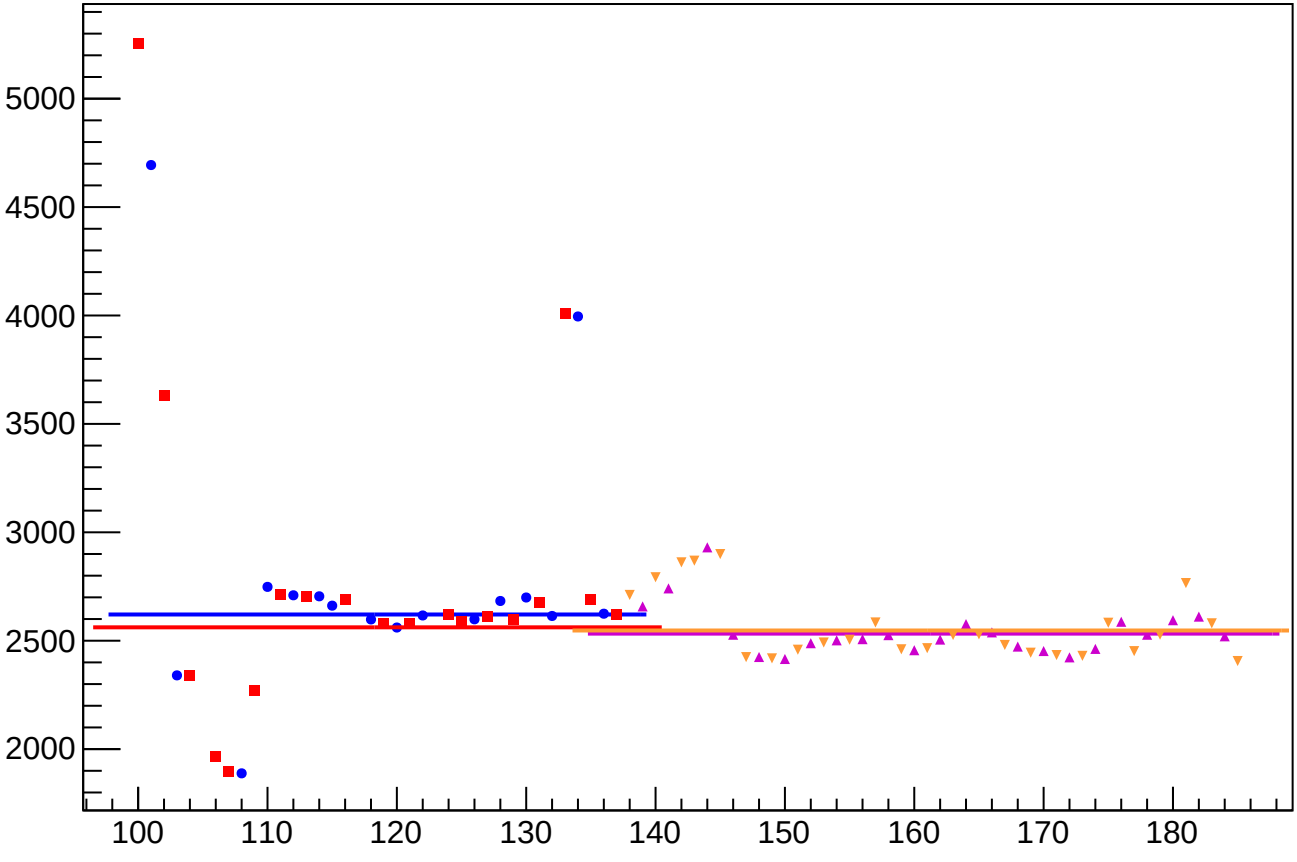
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 1990.216+/-500.314 χ^2/NDF: 43.9/40

All: -480.376+/-355.363 χ^2/NDF: 127.5/82

- 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: 2547.156+/-0.410 χ^2/NDF:117298.5/24

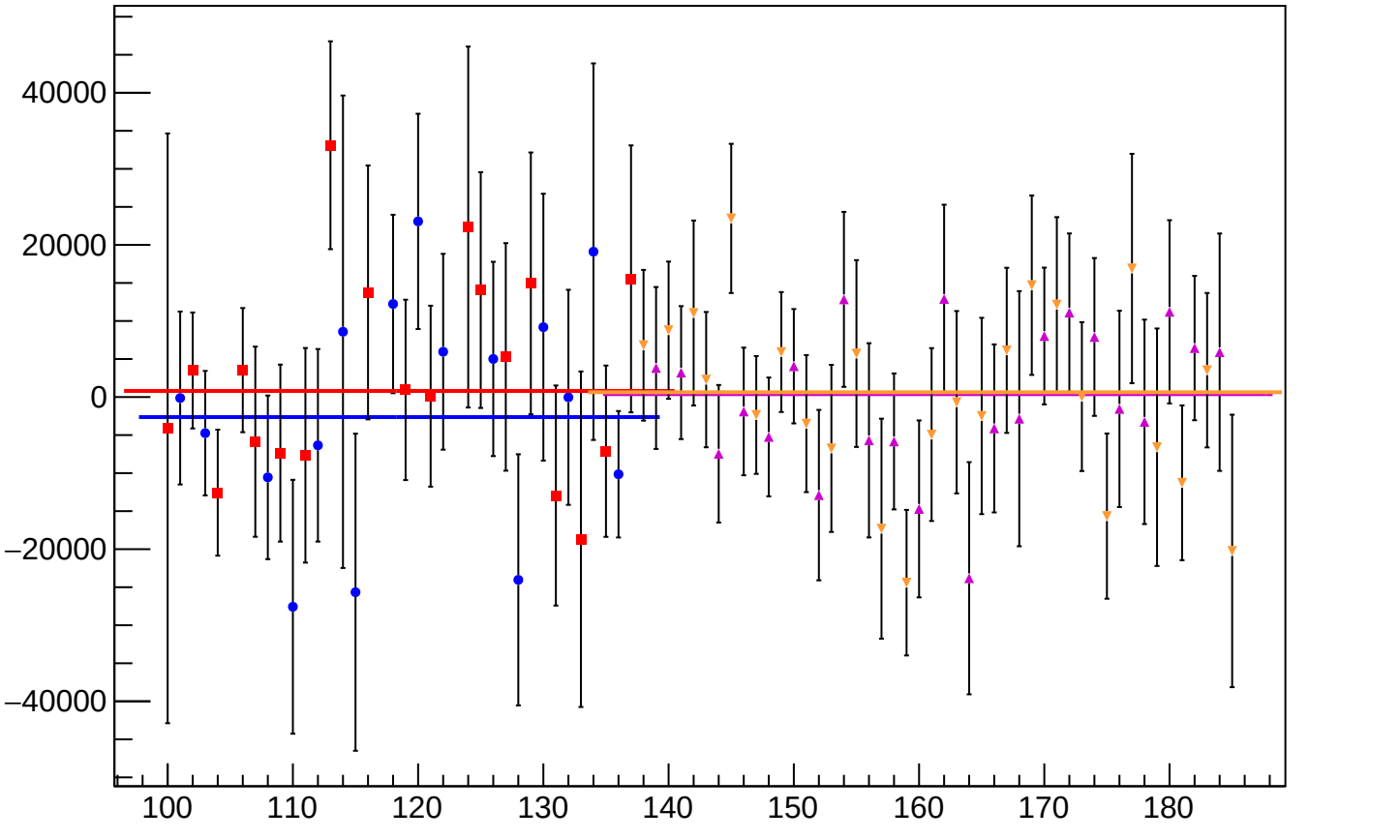
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2565.985+/-0.354 χ^2/NDF: 611484.0/40

All: 2553.447+/-0.251 χ^2/NDF: 1062024.6/82

- sign 2540.685+/-0.357 χ^2/NDF: 448005.9/41



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

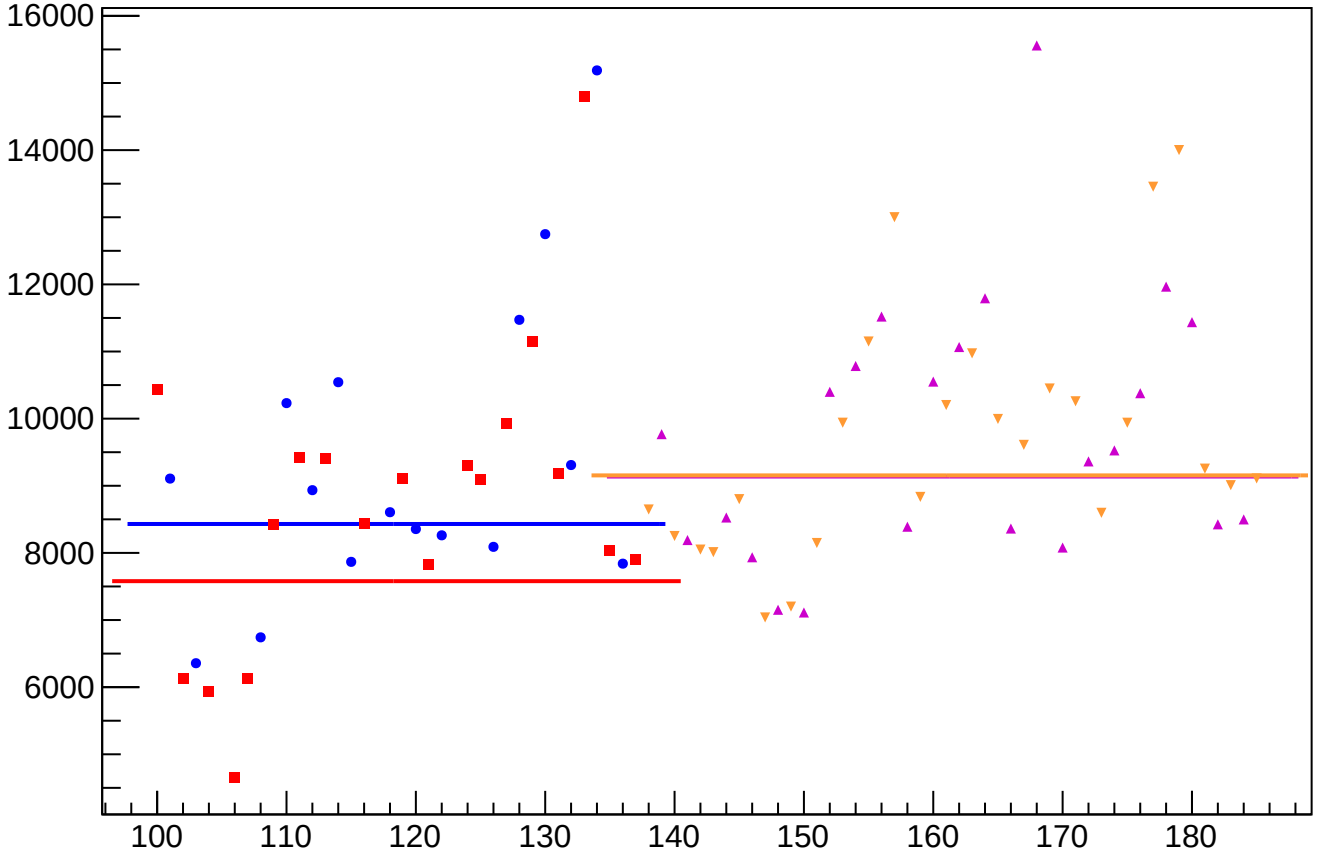
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

\+ sign -361.087+/-1771.072 χ^2/NDF: 41.2/40

All: 95.145+/-1239.308 χ^2/NDF: 71.0/82

\- 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: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

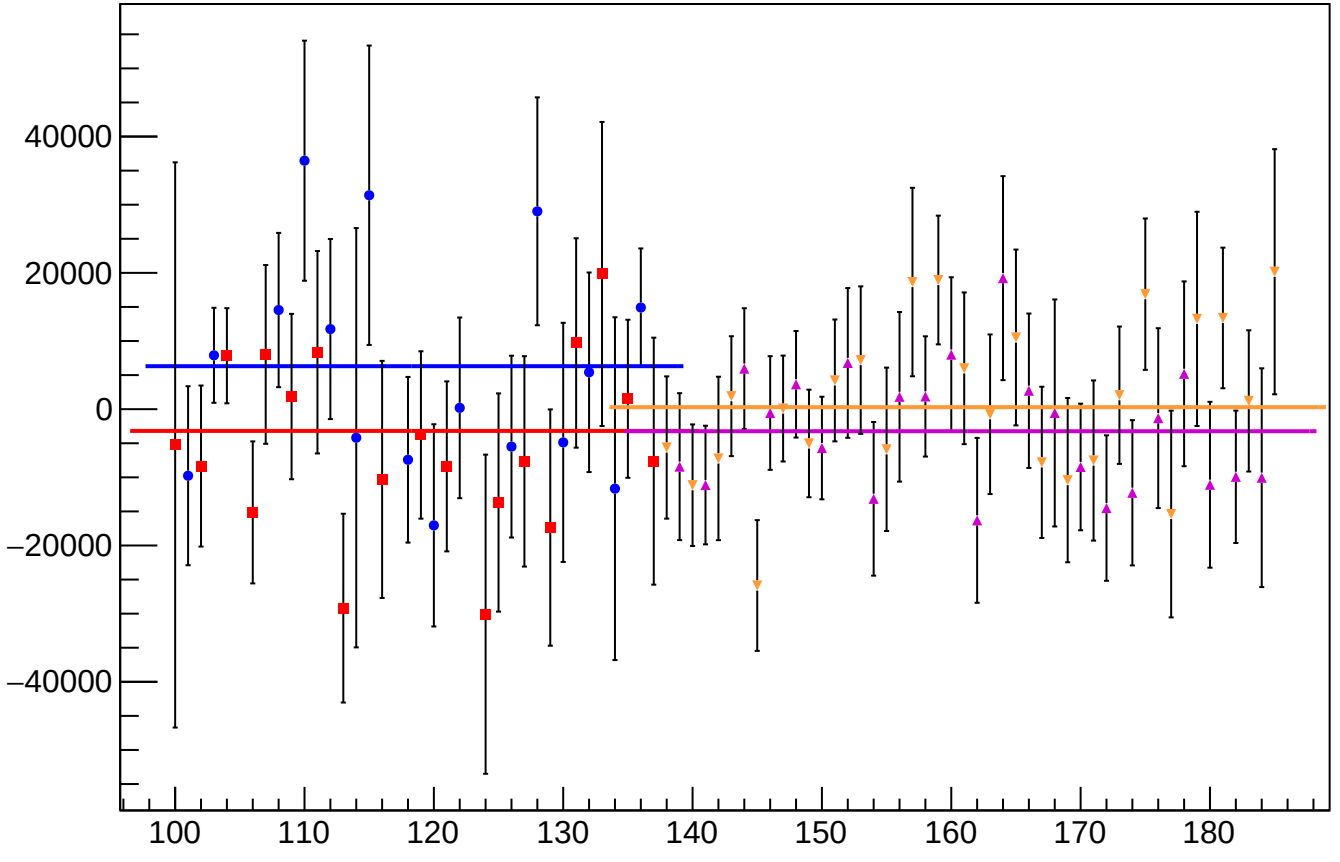
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 8934.531+/-1.252 χ^2/NDF: 1723087.2/40

All: 8748.153+/-0.876 χ^2/NDF: 4287362.3/82

- 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: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

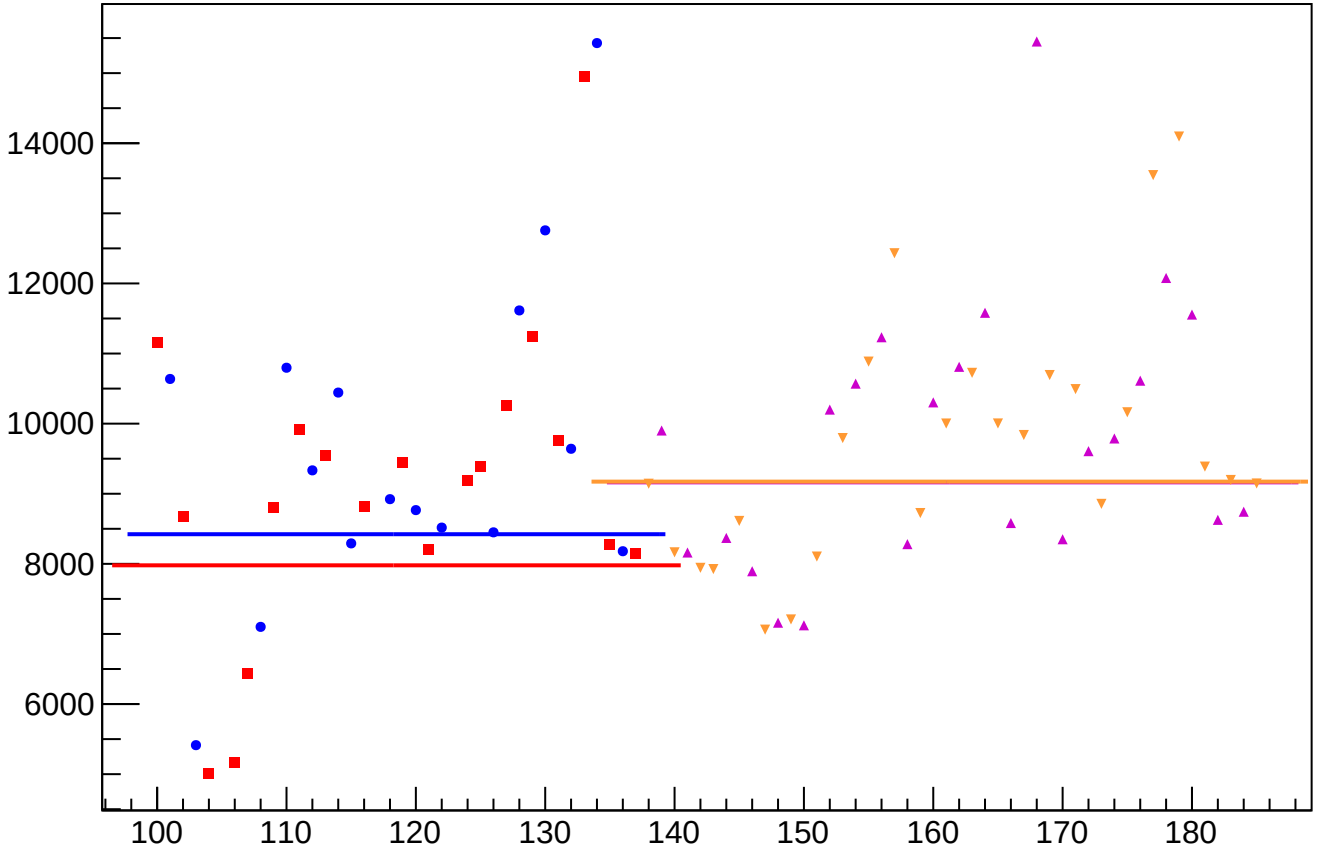
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 2103.993+/-1777.091 χ^2/NDF: 43.8/40

All: -557.385+/-1256.598 χ^2/NDF: 75.8/82

- 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: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

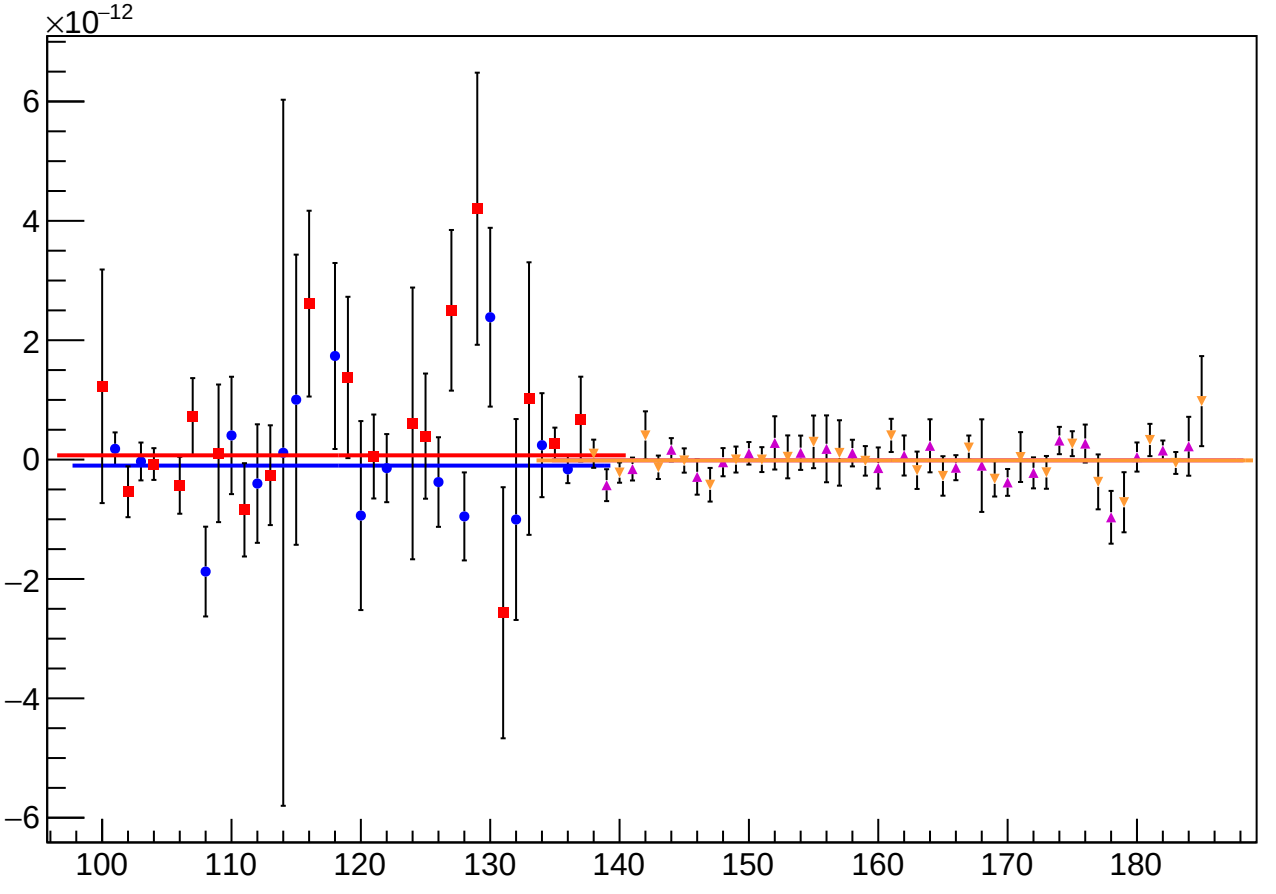
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 8947.125+/-1.257 χ^2/NDF: 2013737.9/40

All: 8856.274+/-0.889 χ^2/NDF: 4365395.0/82

- 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:19.4/24

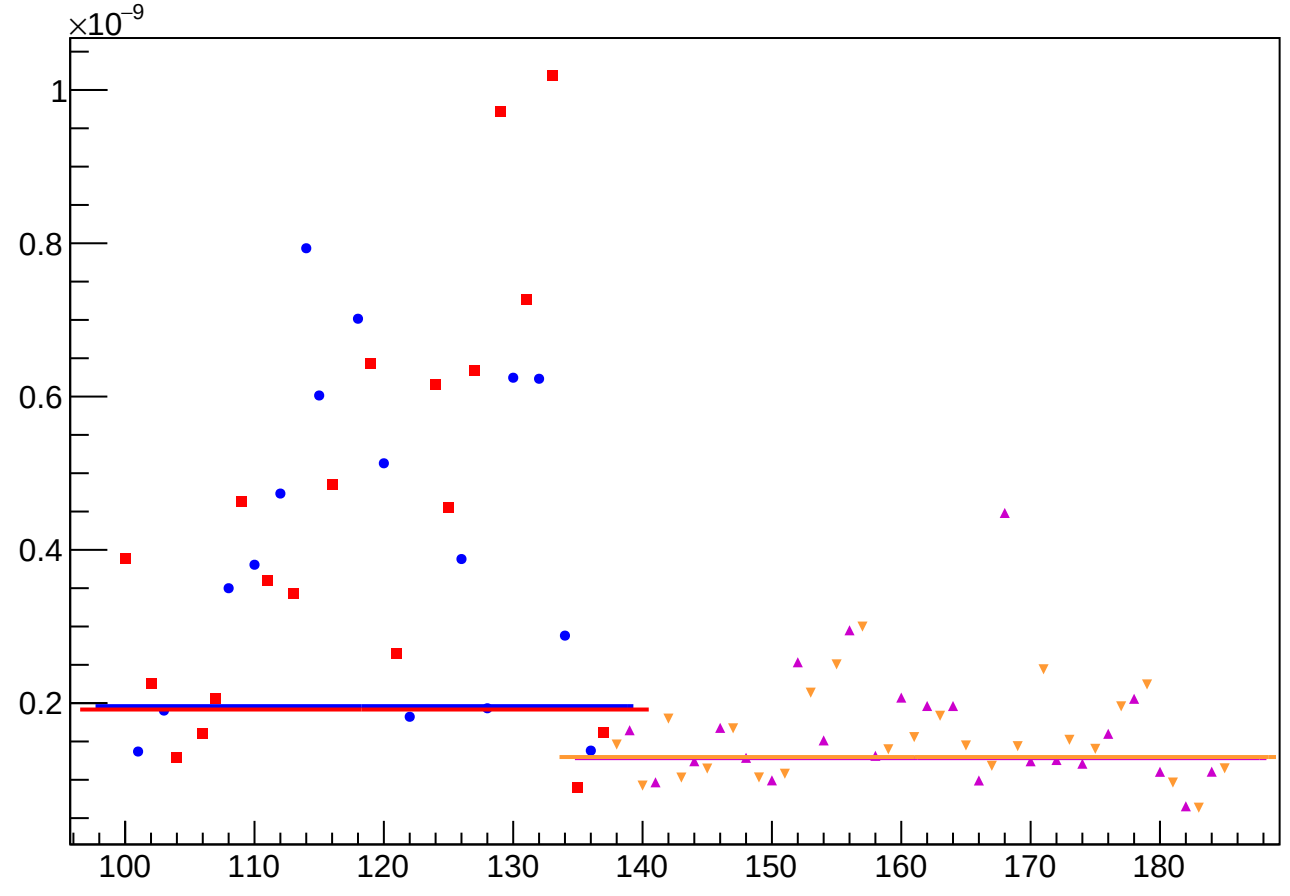
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/40

All: -0.000+/-0.000 χ^2/NDF: 72.6/82

- 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:1390522.6/24

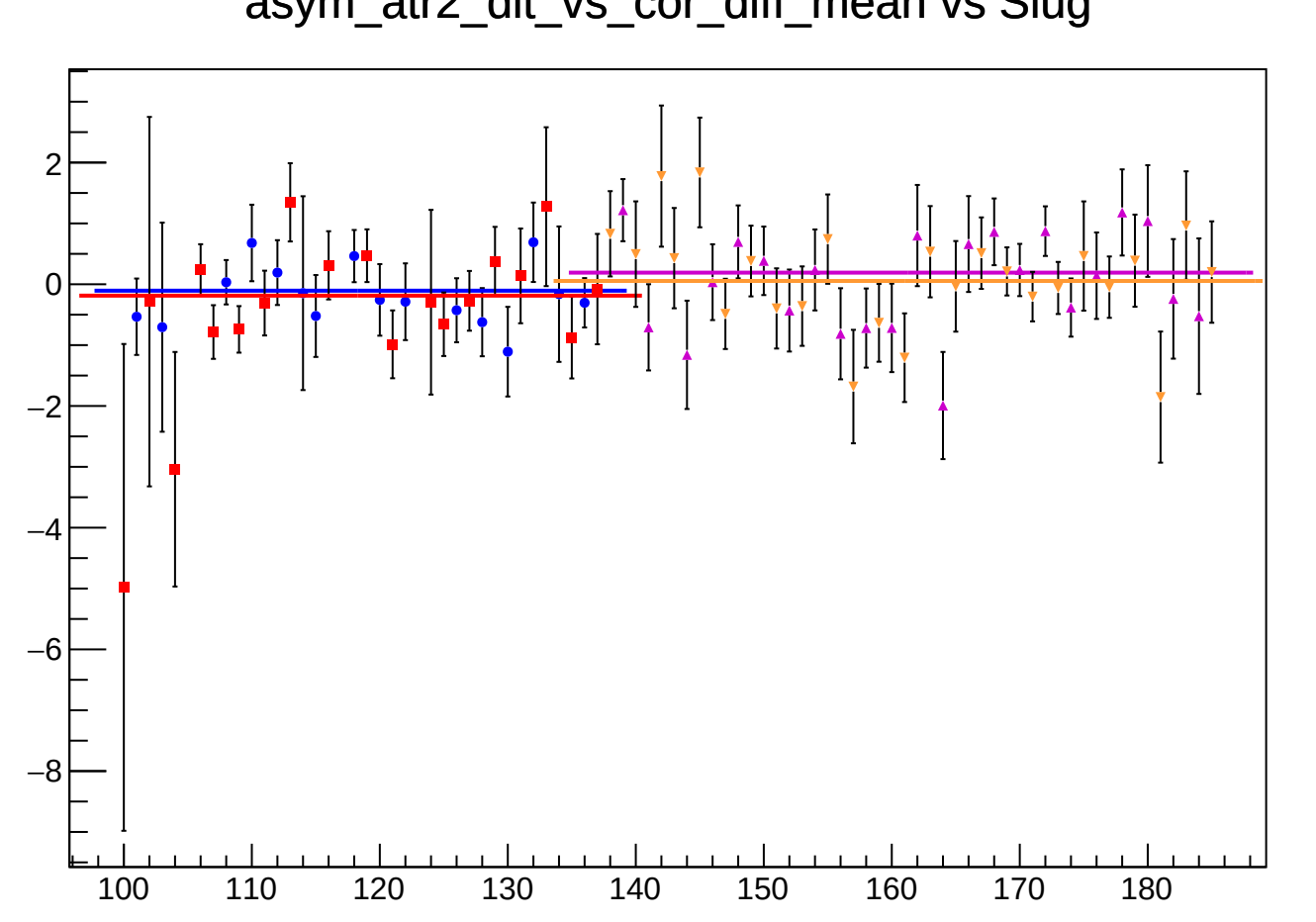
Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3156406.5/40

All: 0.000+/-0.000 χ^2/NDF: 7099928.7/82

- sign 0.000+/-0.000 χ^2/NDF: 3942125.8/41



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

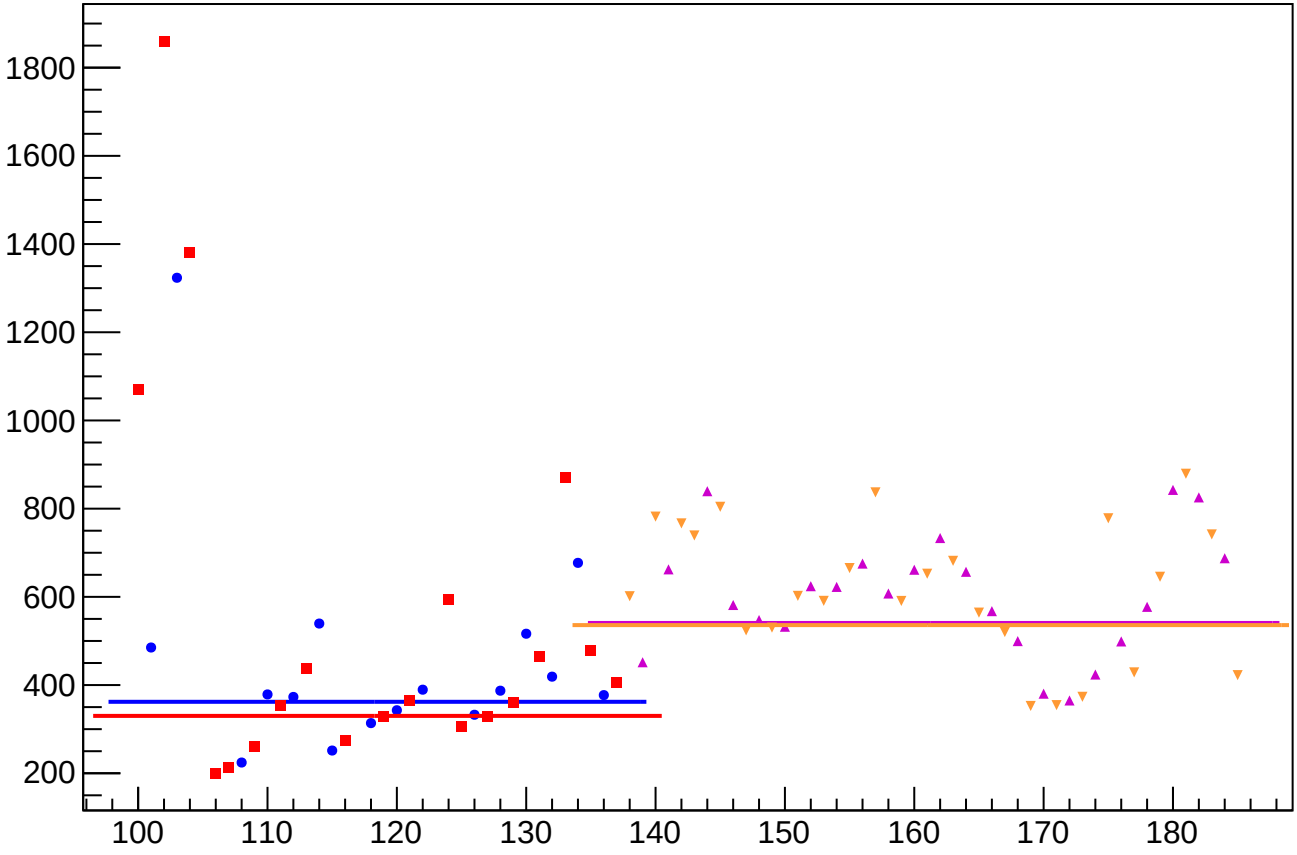
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.017+/-0.096 χ^2/NDF: 35.1/40

All: -0.004+/-0.068 χ^2/NDF: 94.0/82

- 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: 535.943+/-0.092 χ^2/NDF:2749736.4/24

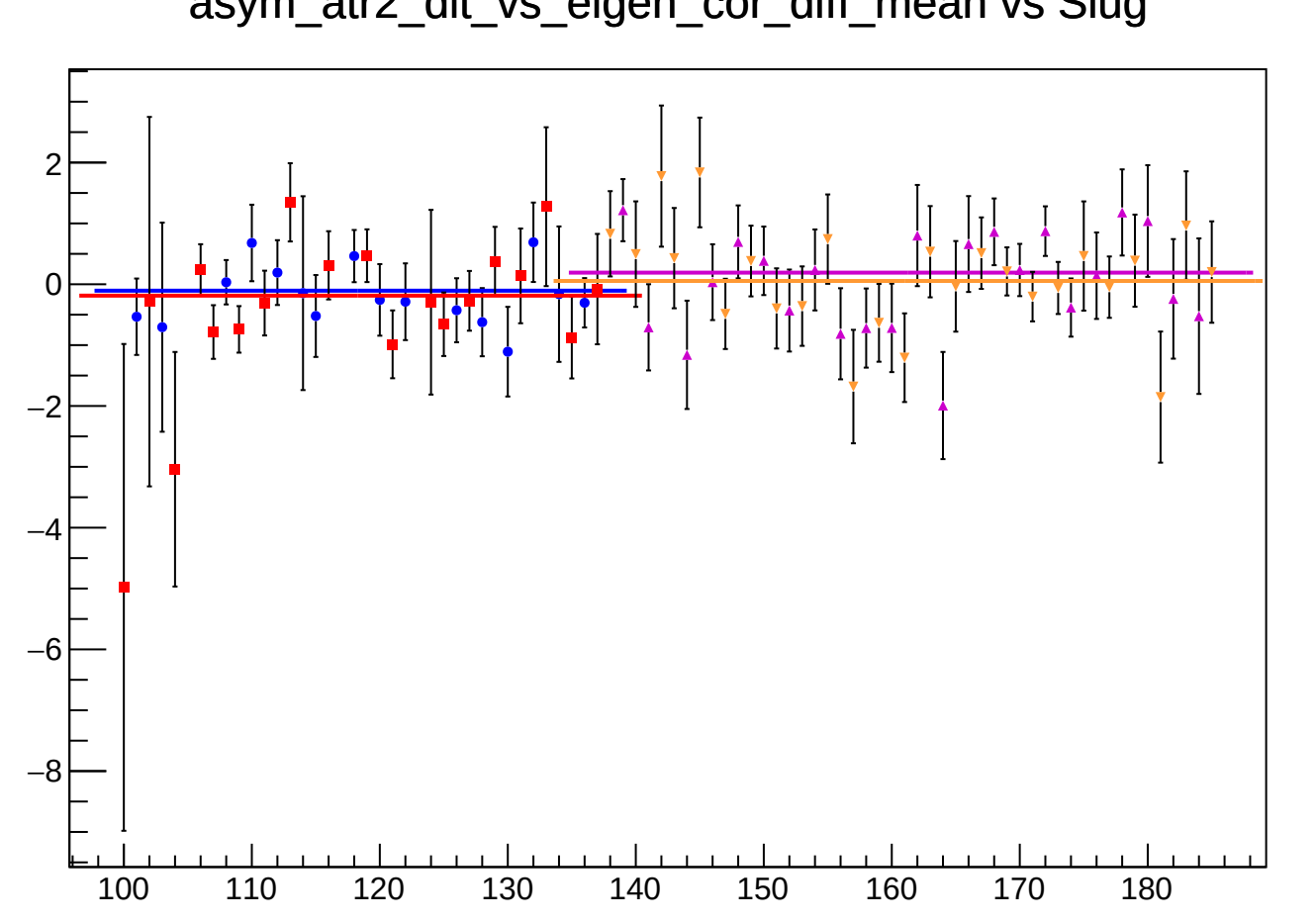
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.592+/-0.068 χ^2/NDF: 5731316.9/40

All: 448.593+/-0.048 χ^2/NDF: 12351328.0/82

- 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: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

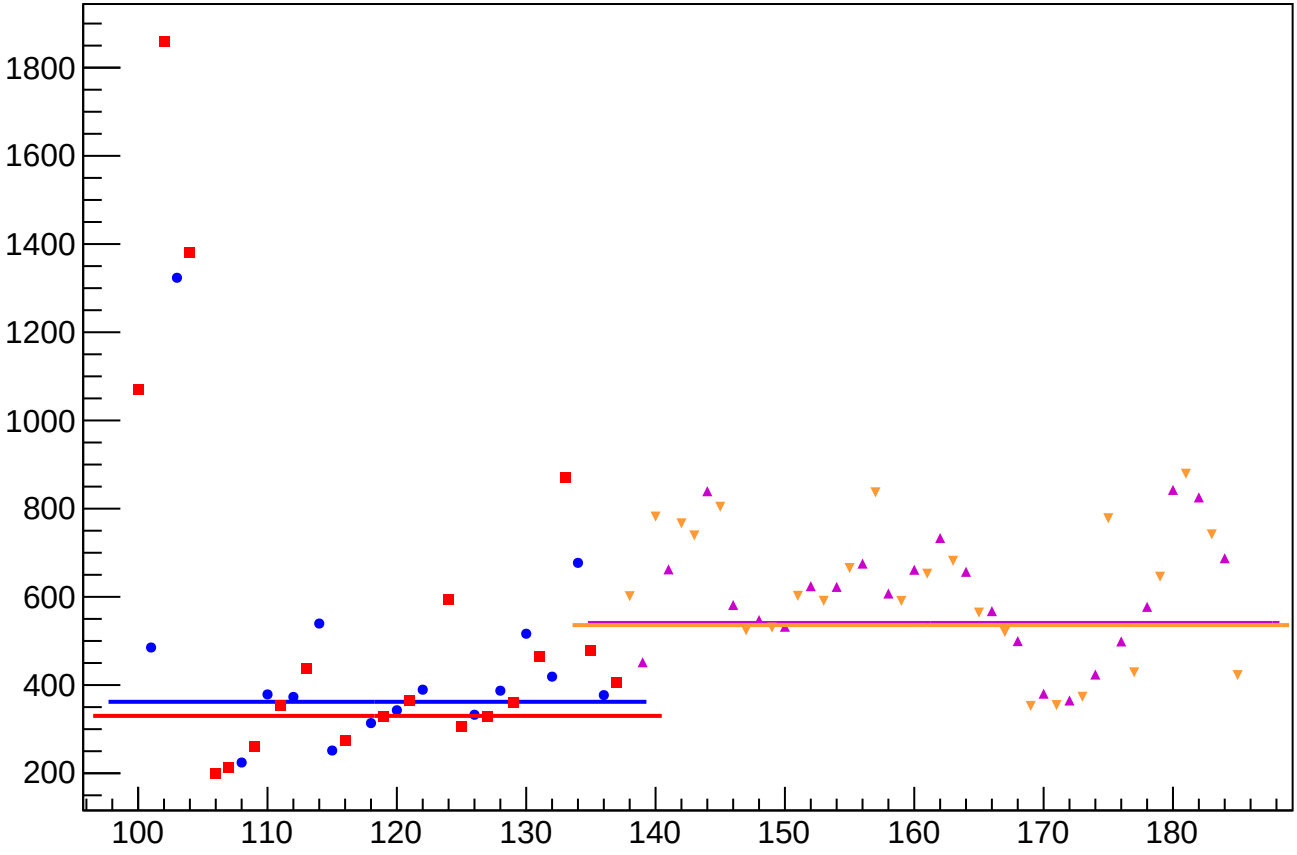
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.017+/-0.096 χ^2/NDF: 35.1/40

All: -0.004+/-0.068 χ^2/NDF: 94.0/82

- 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: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

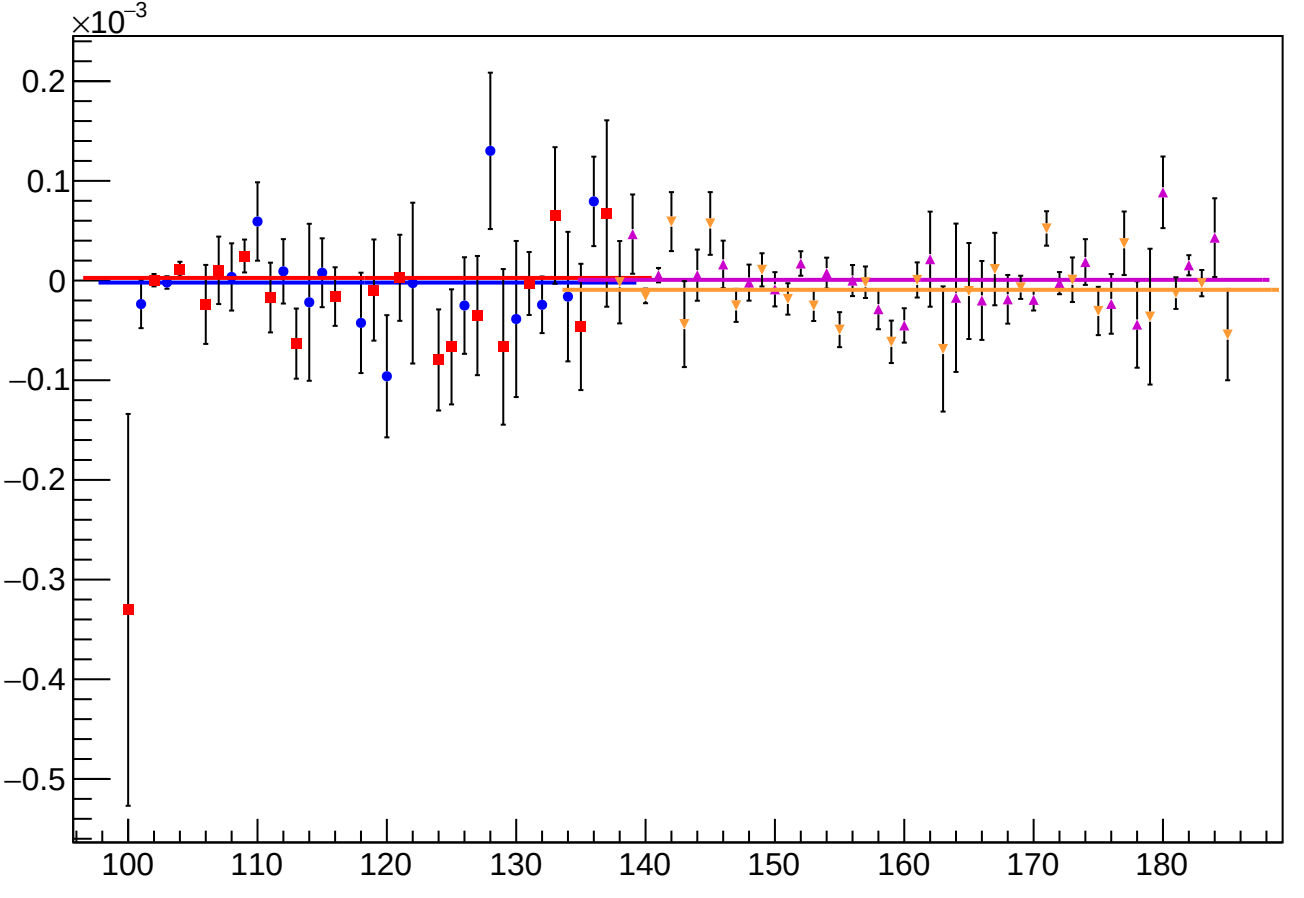
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.592+/-0.068 χ^2/NDF: 5731316.9/40

All: 448.593+/-0.048 χ^2/NDF: 12351328.0/82

- 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:45.2/24

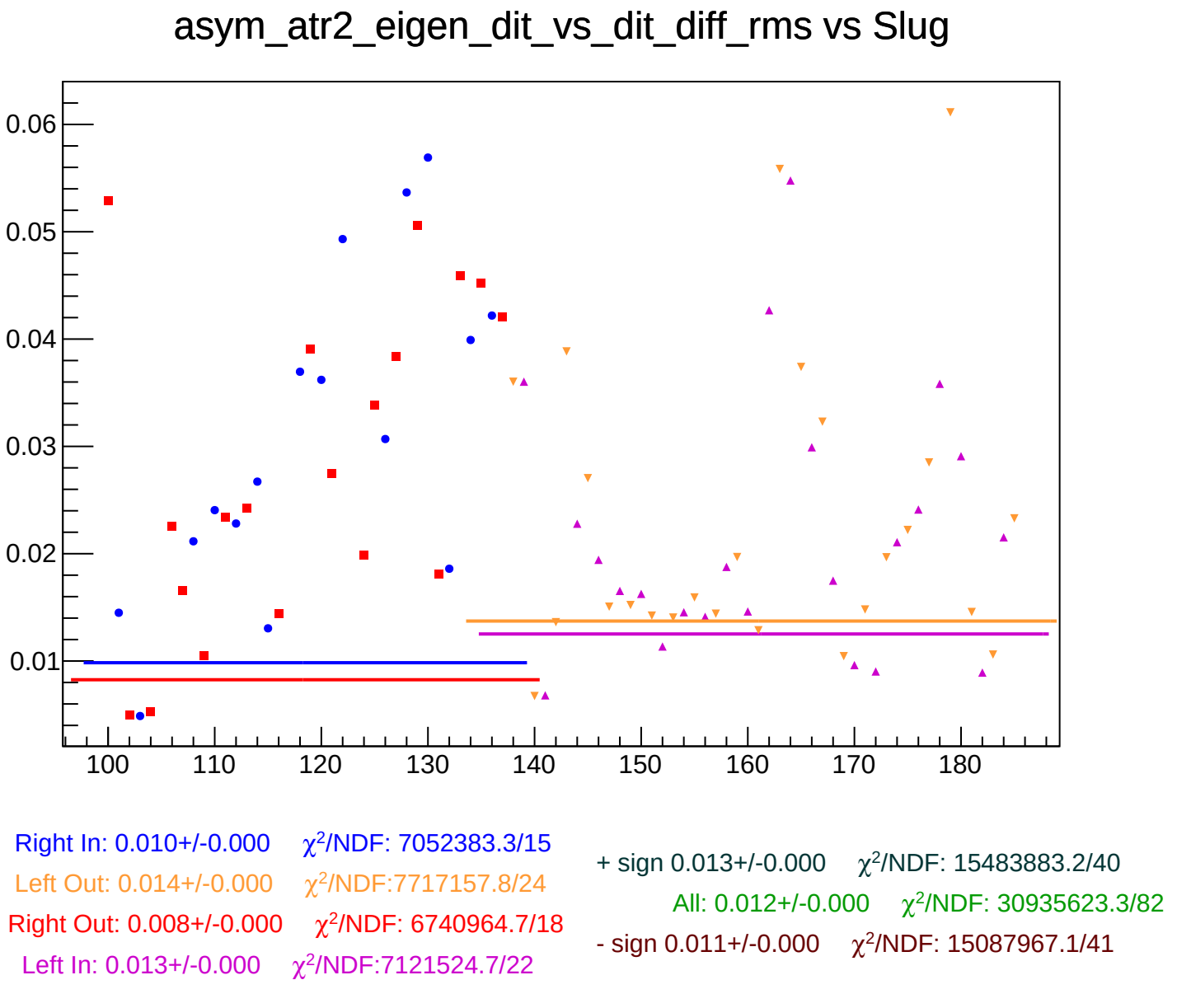
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

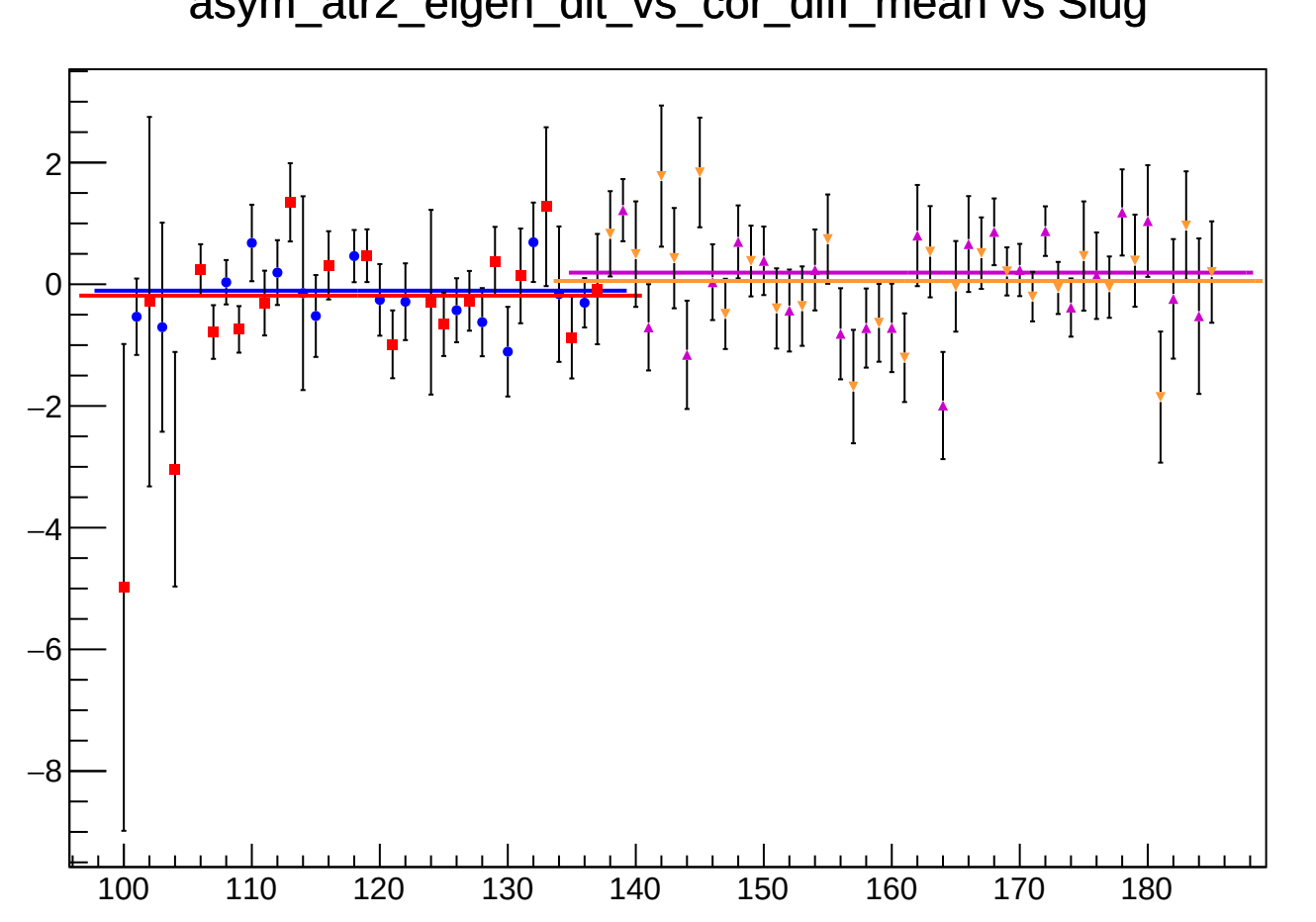
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.2/40

All: -0.000+/-0.000 χ^2/NDF: 113.0/82

- sign 0.000+/-0.000 χ^2/NDF: 48.3/41


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.014+/-0.000 χ²/NDF:7717157.8/24
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.013+/-0.000 χ²/NDF:7121524.7/22
+ sign 0.013+/-0.000 χ²/NDF: 15483883.2/40
All: 0.012+/-0.000 χ²/NDF: 30935623.3/82
- sign 0.011+/-0.000 χ²/NDF: 15087967.1/41



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

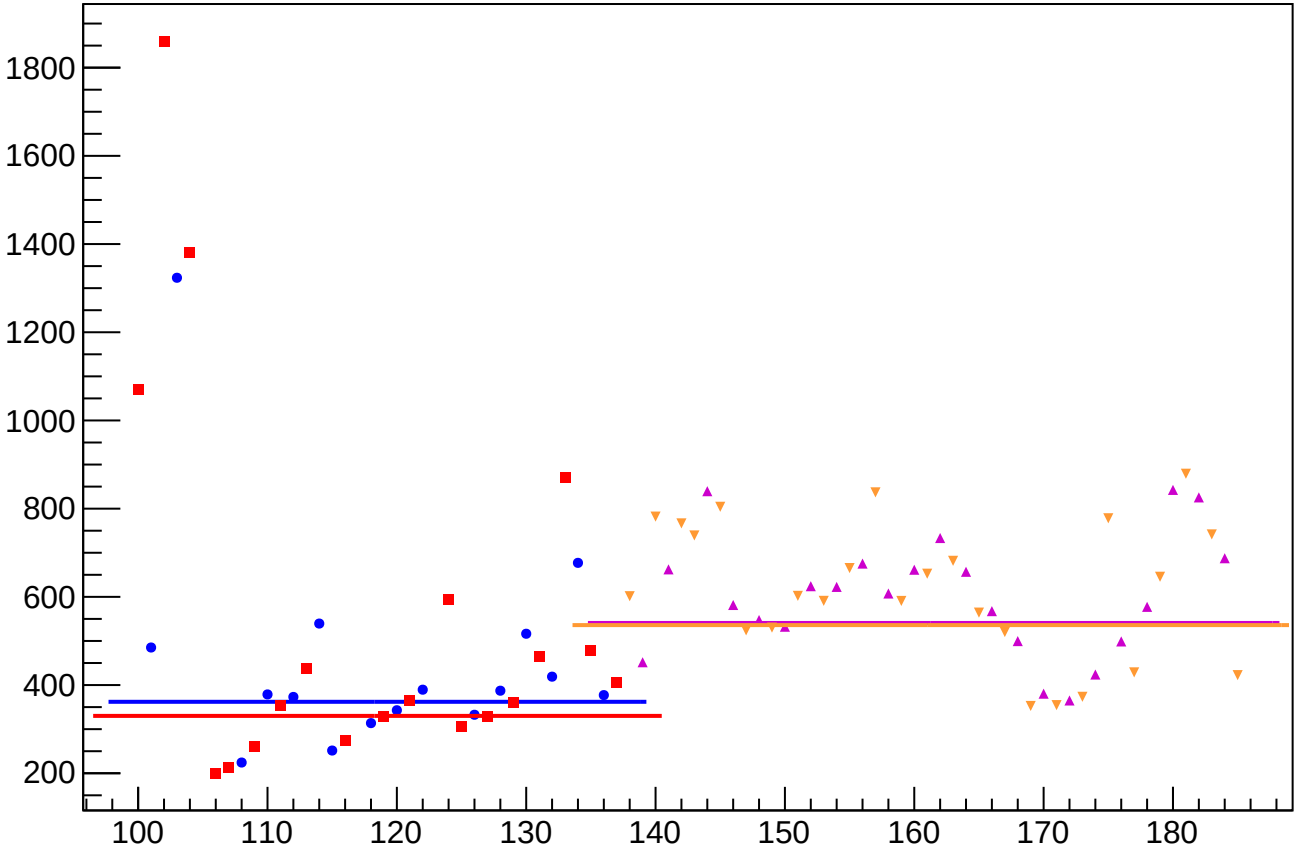
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.017+/-0.096 χ^2/NDF: 35.1/40

All: -0.004+/-0.068 χ^2/NDF: 94.0/82

- 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: 535.948+/-0.092 χ^2/NDF:2749816.2/24

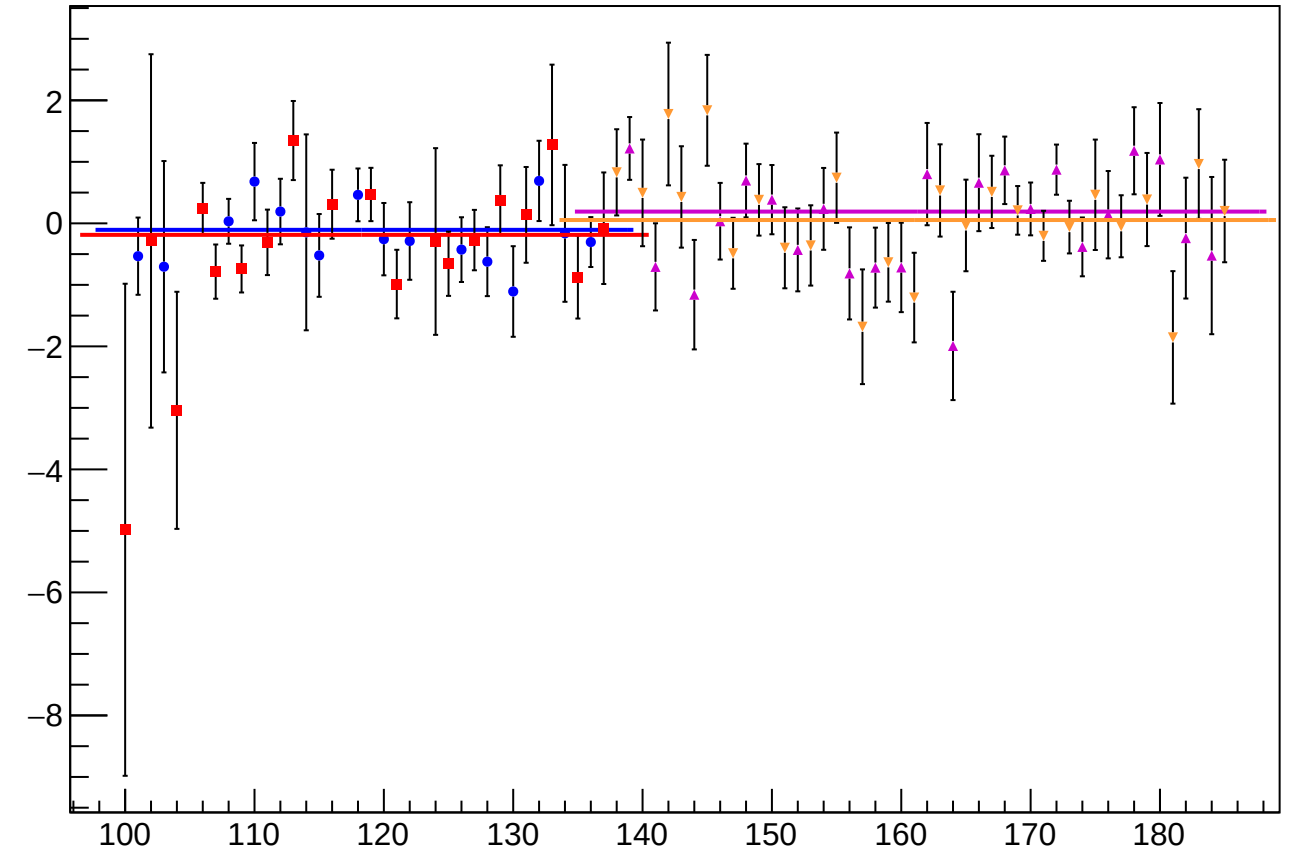
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.592+/-0.068 χ^2/NDF: 5731533.4/40

All: 448.593+/-0.048 χ^2/NDF: 12351706.1/82

- 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: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

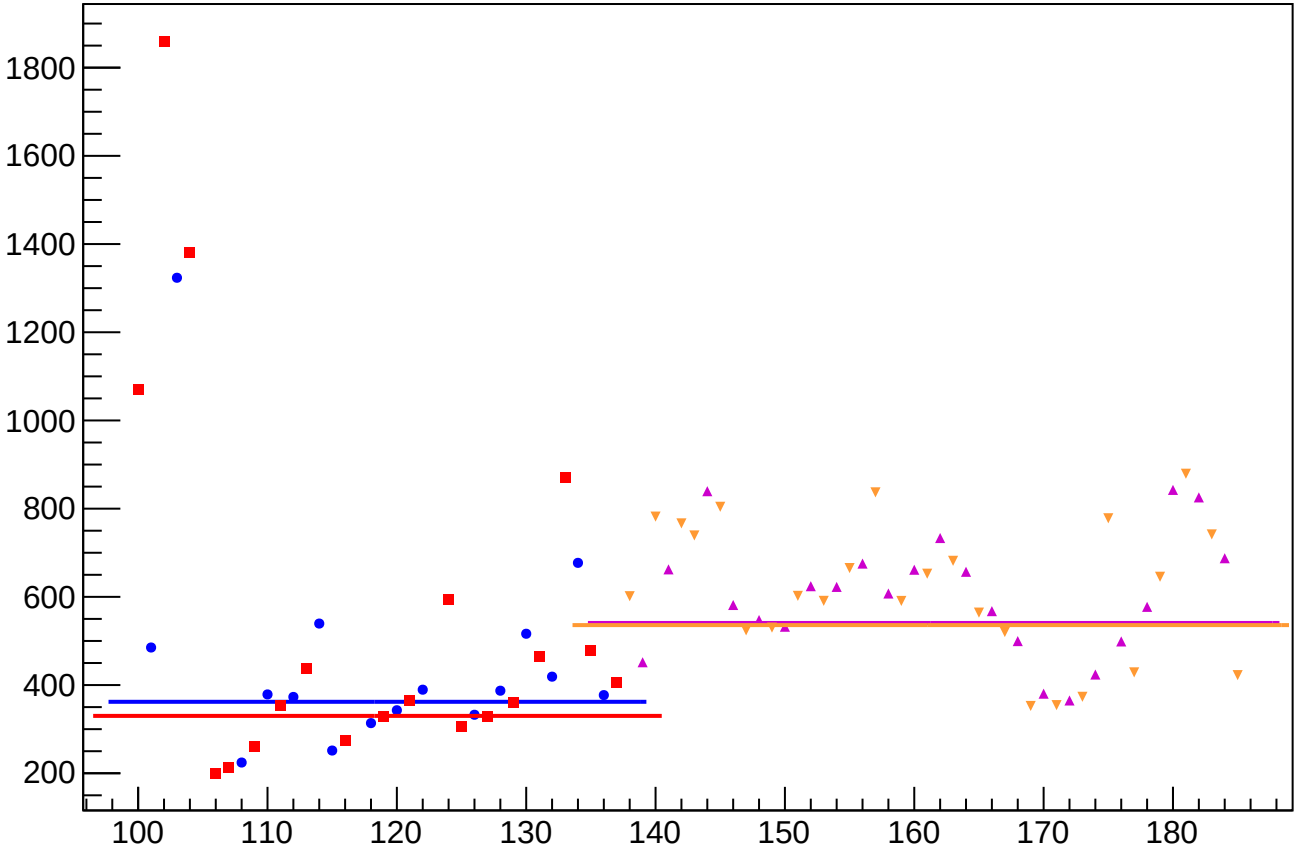
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.017+/-0.096 χ^2/NDF: 35.1/40

All: -0.004+/-0.068 χ^2/NDF: 94.0/82

- sign 0.008+/-0.096 χ^2/NDF: 58.9/41

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

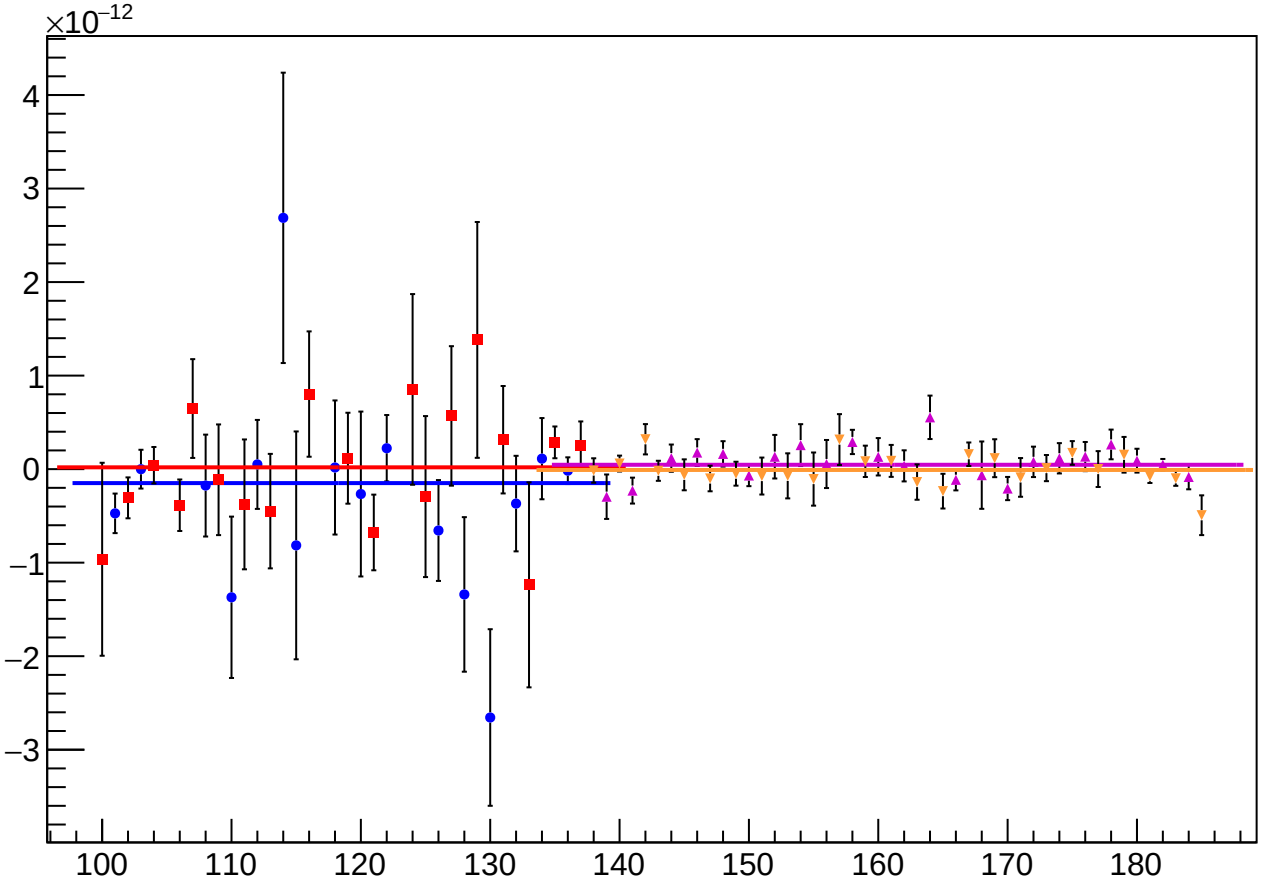
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.592+/-0.068 χ^2/NDF: 5731533.4/40

All: 448.593+/-0.048 χ^2/NDF: 12351706.1/82

- sign 438.775+/-0.068 χ^2/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:22.1/24

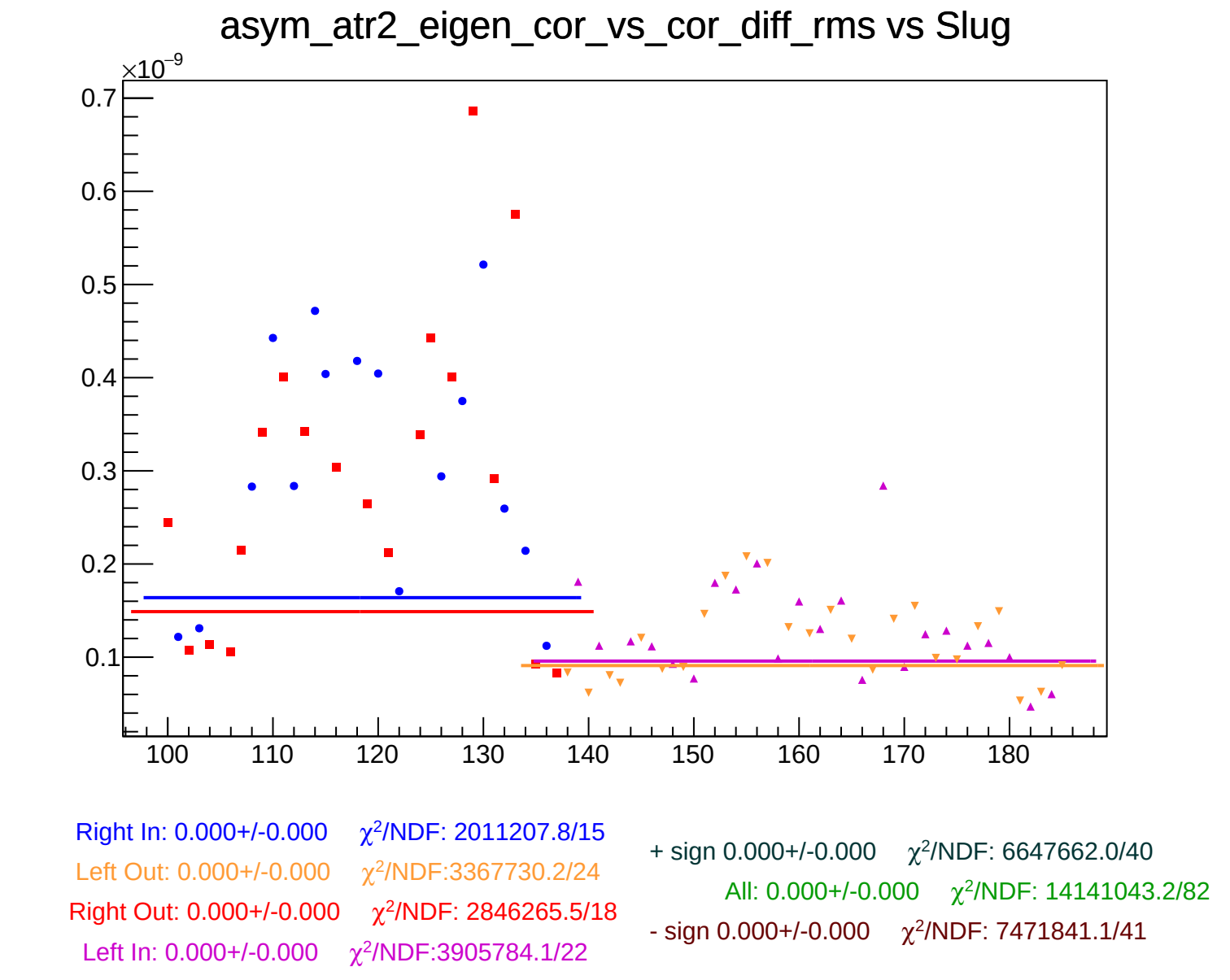
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

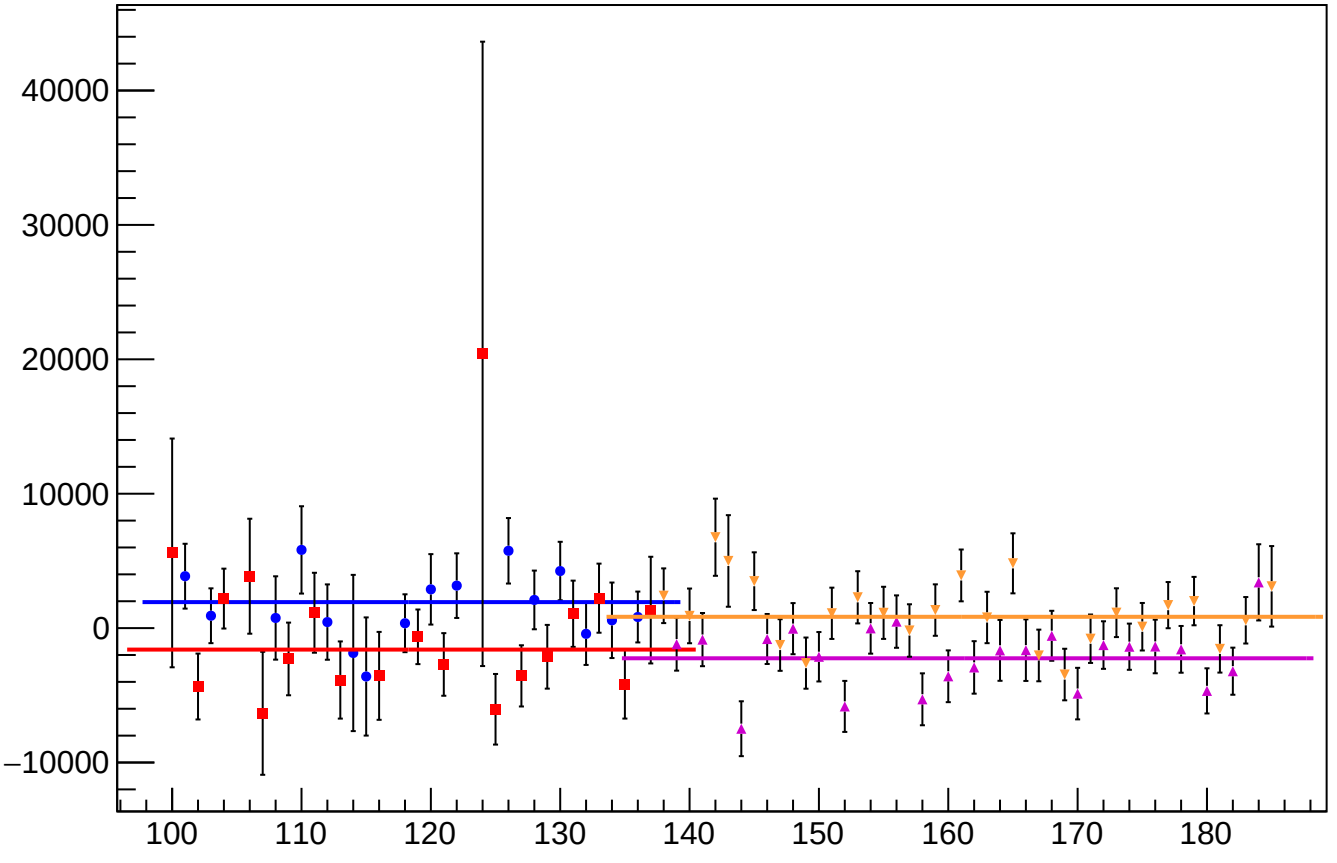
+ sign -0.000+/-0.000 χ^2/NDF: 45.7/40

All: 0.000+/-0.000 χ^2/NDF: 96.3/82

- sign 0.000+/-0.000 χ^2/NDF: 47.7/41


asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2011207.8/15
Left Out: 0.000+/-0.000 χ²/NDF:3367730.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 2846265.5/18
Left In: 0.000+/-0.000 χ²/NDF:3905784.1/22
+ sign 0.000+/-0.000 χ²/NDF: 6647662.0/40
All: 0.000+/-0.000 χ²/NDF: 14141043.2/82
- sign 0.000+/-0.000 χ²/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: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

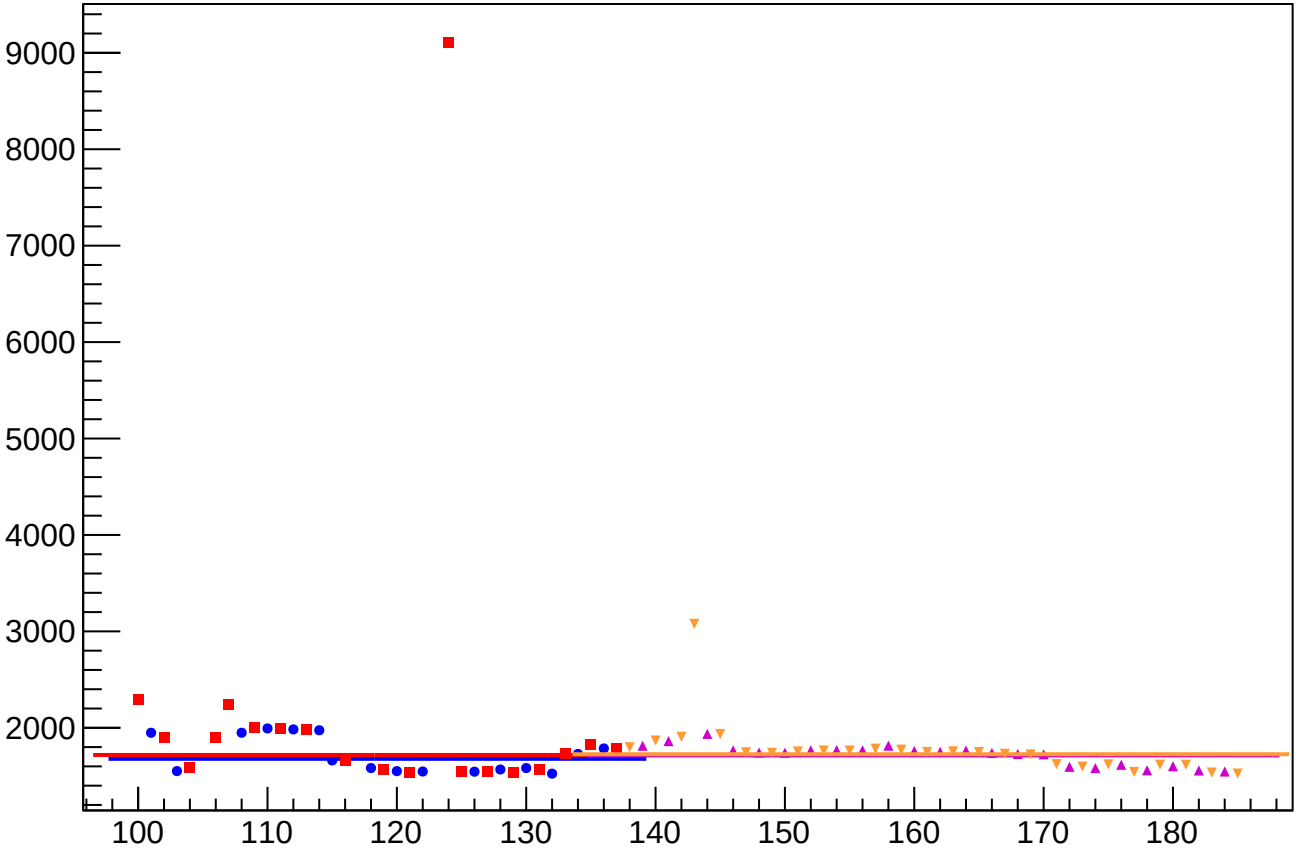
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1150.922+/-334.004 χ^2/NDF: 43.4/40

All: -427.846+/-238.264 χ^2/NDF: 138.5/82

- 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: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

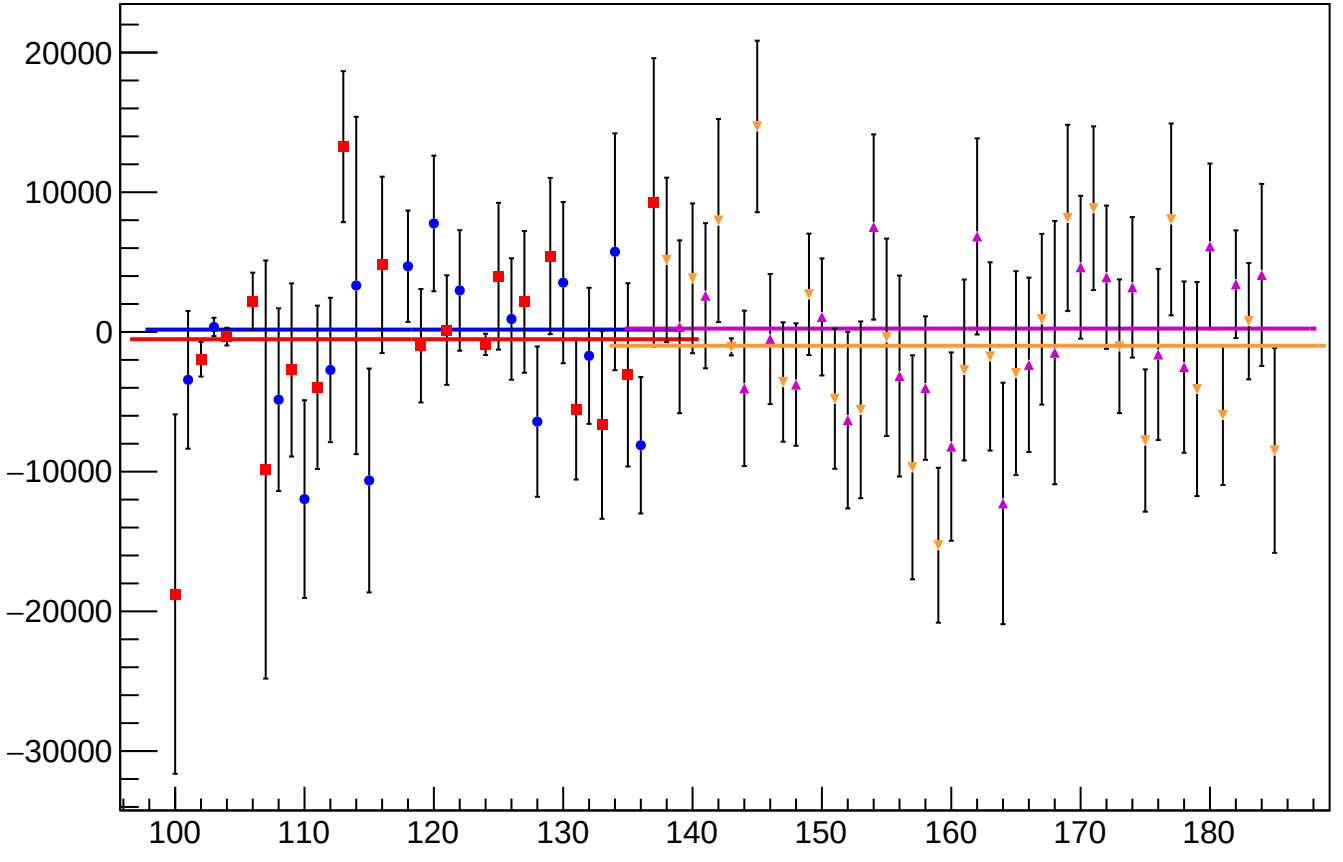
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.612+/-0.236 χ^2/NDF: 604626.1/40

All: 1713.595+/-0.168 χ^2/NDF: 1117224.7/82

- sign 1714.611+/-0.240 χ^2/NDF: 512563.4/41

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

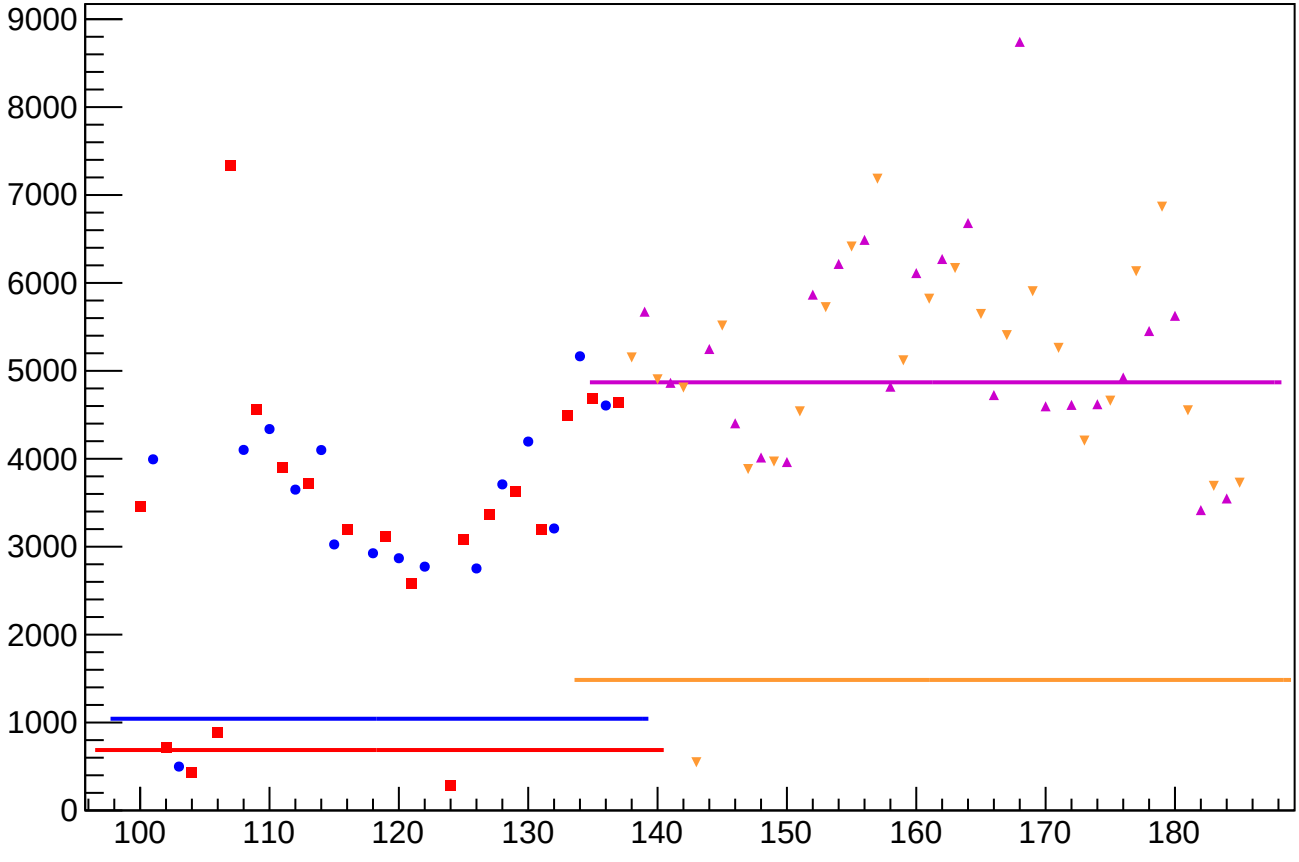
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -460.949+/-399.340 χ^2/NDF: 48.7/40

All: -446.378+/-282.285 χ^2/NDF: 81.2/82

- 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: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

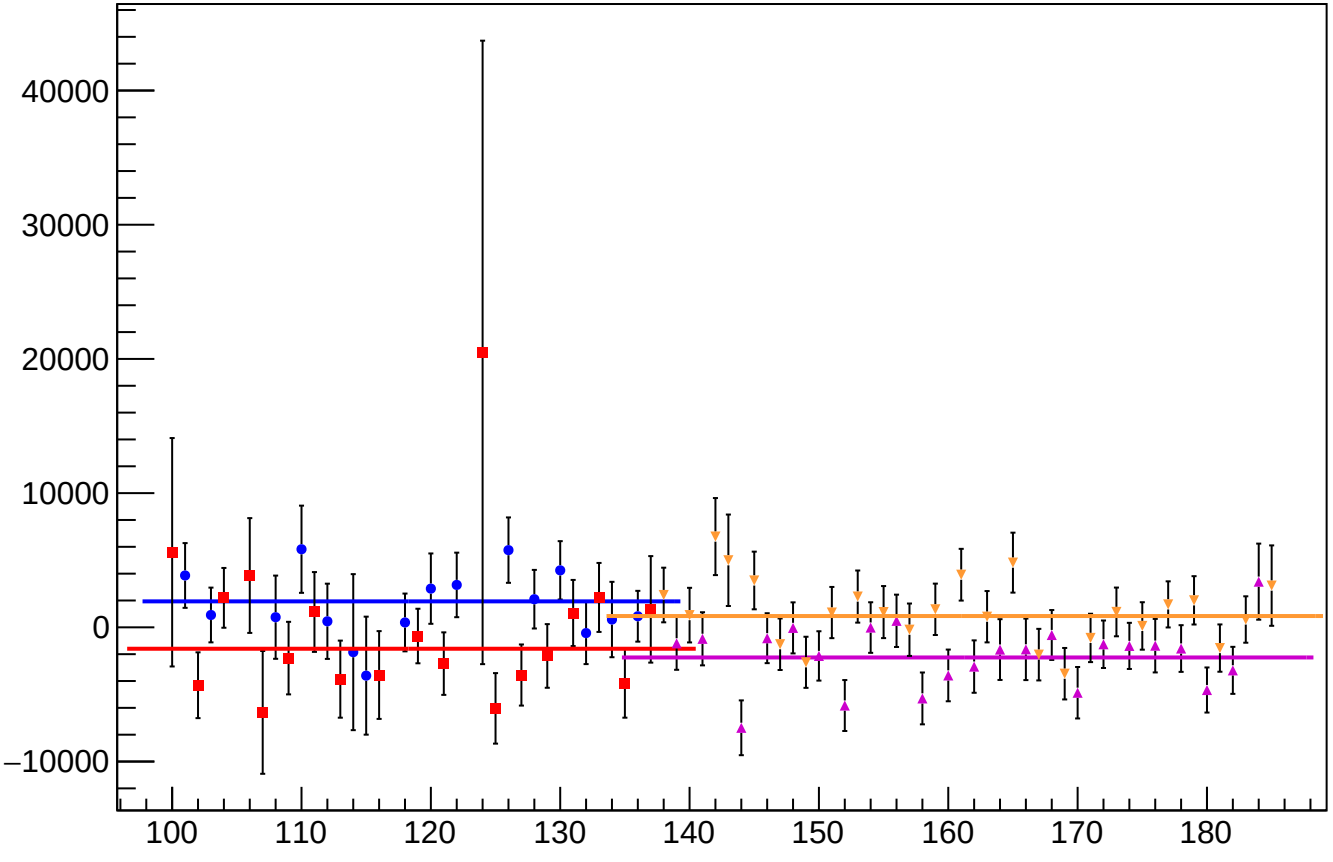
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1283.424+/-0.282 χ^2/NDF: 31943032.9/40

All: 1230.720+/-0.200 χ^2/NDF: 64868558.3/8

- 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: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

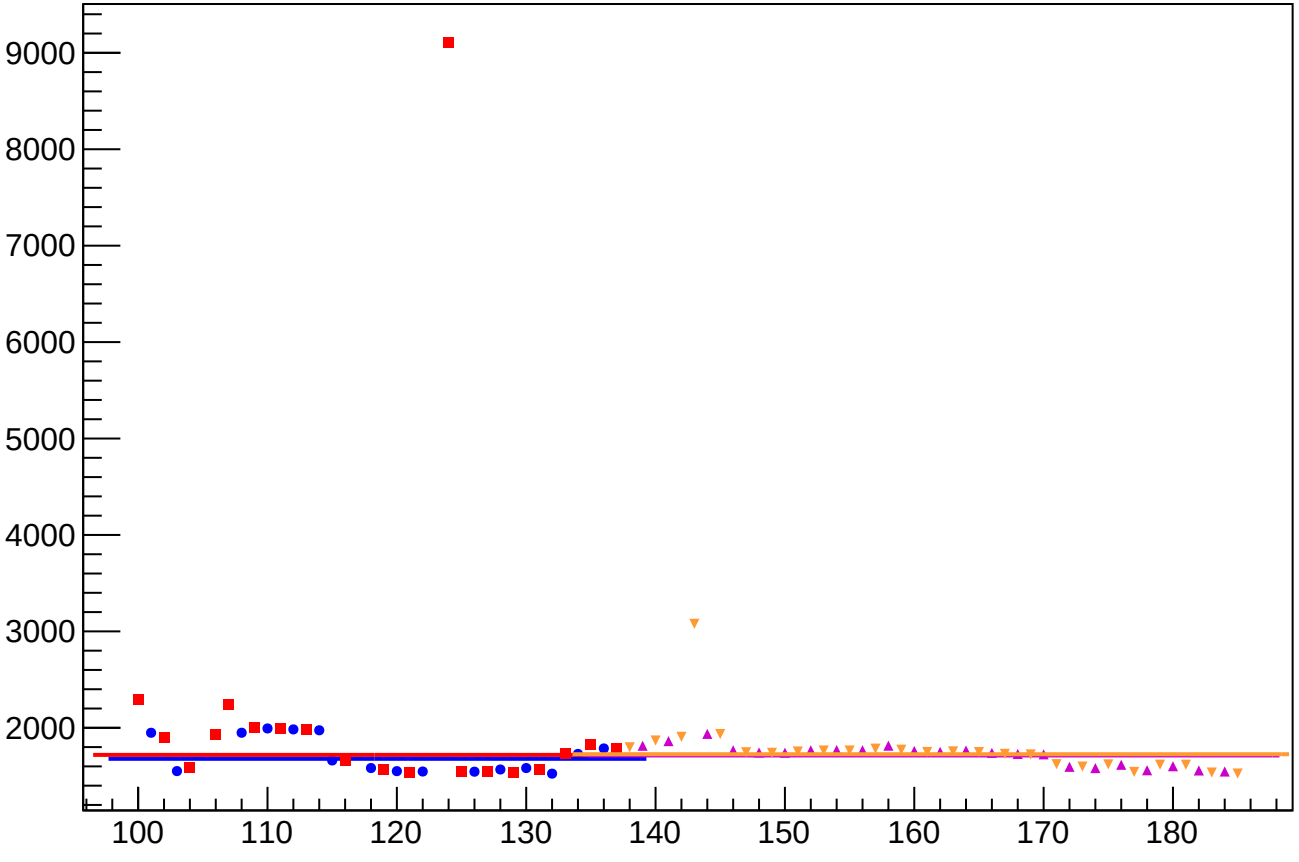
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1150.949+/-334.004 χ^2/NDF: 43.4/40

All: -427.500+/-238.264 χ^2/NDF: 138.5/82

- 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: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

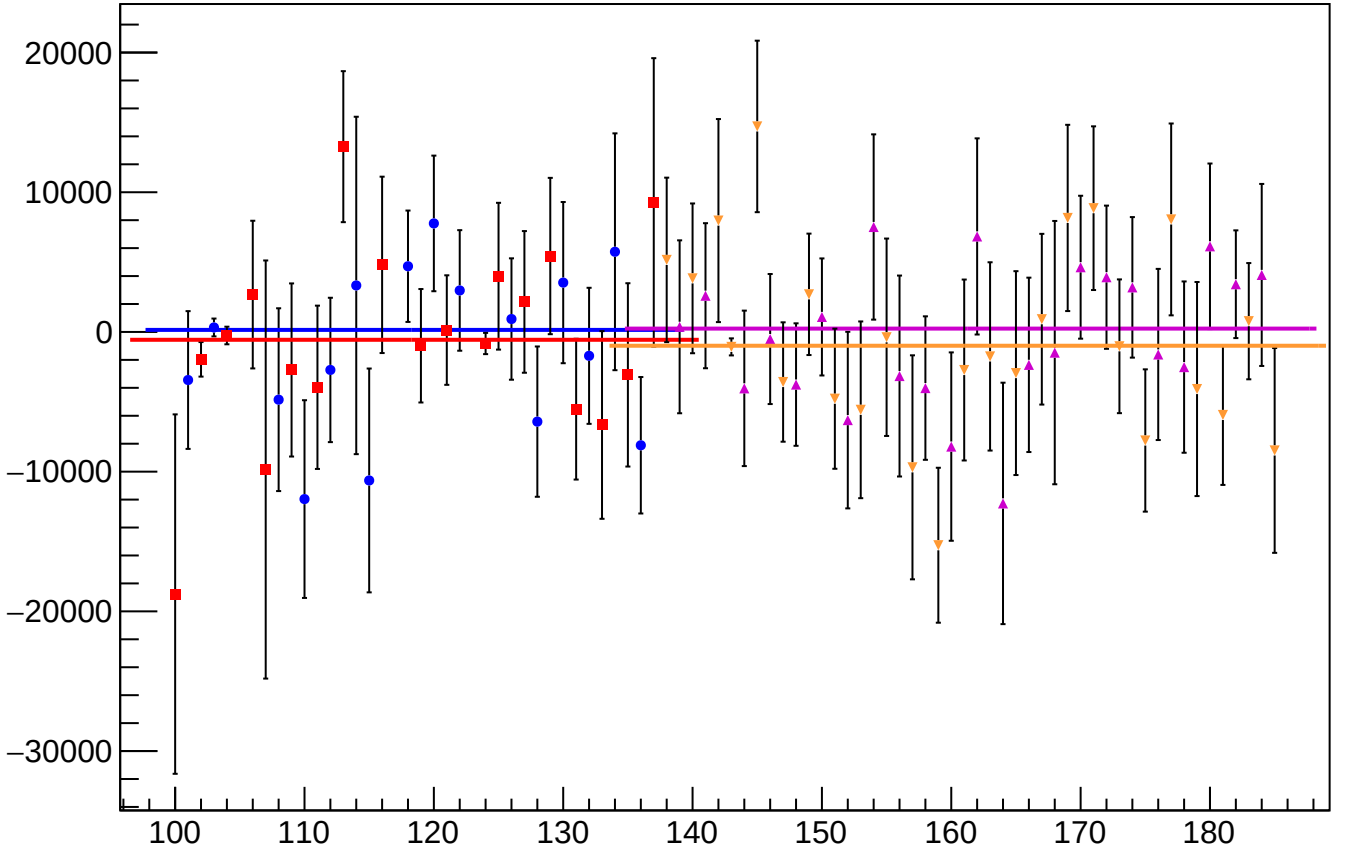
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.612+/-0.236 χ^2/NDF: 604626.2/40

All: 1713.710+/-0.168 χ^2/NDF: 1119009.1/82

- sign 1714.845+/-0.240 χ^2/NDF: 514339.0/41

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

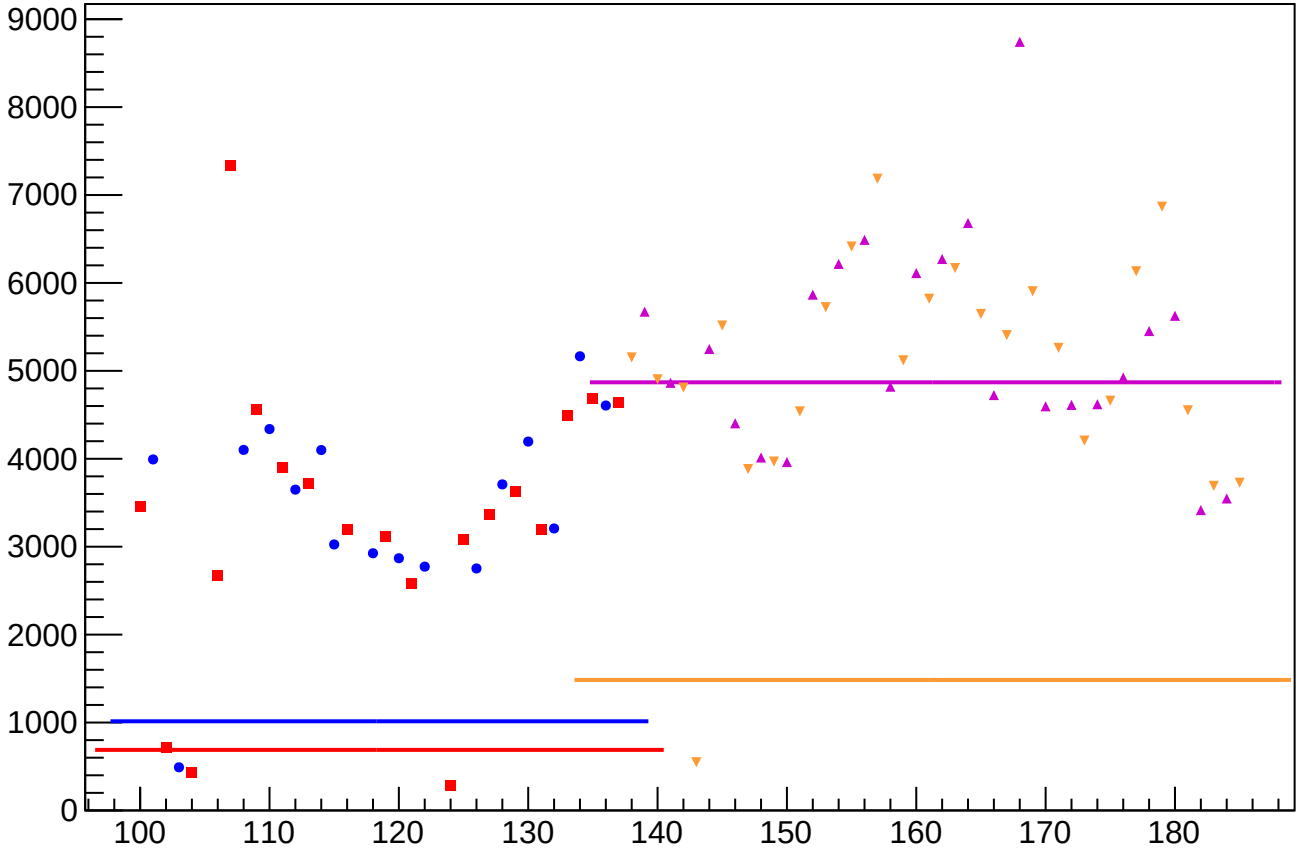
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -458.902+/-395.500 χ^2/NDF: 48.7/40

All: -461.977+/-282.589 χ^2/NDF: 79.8/82

\- 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: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

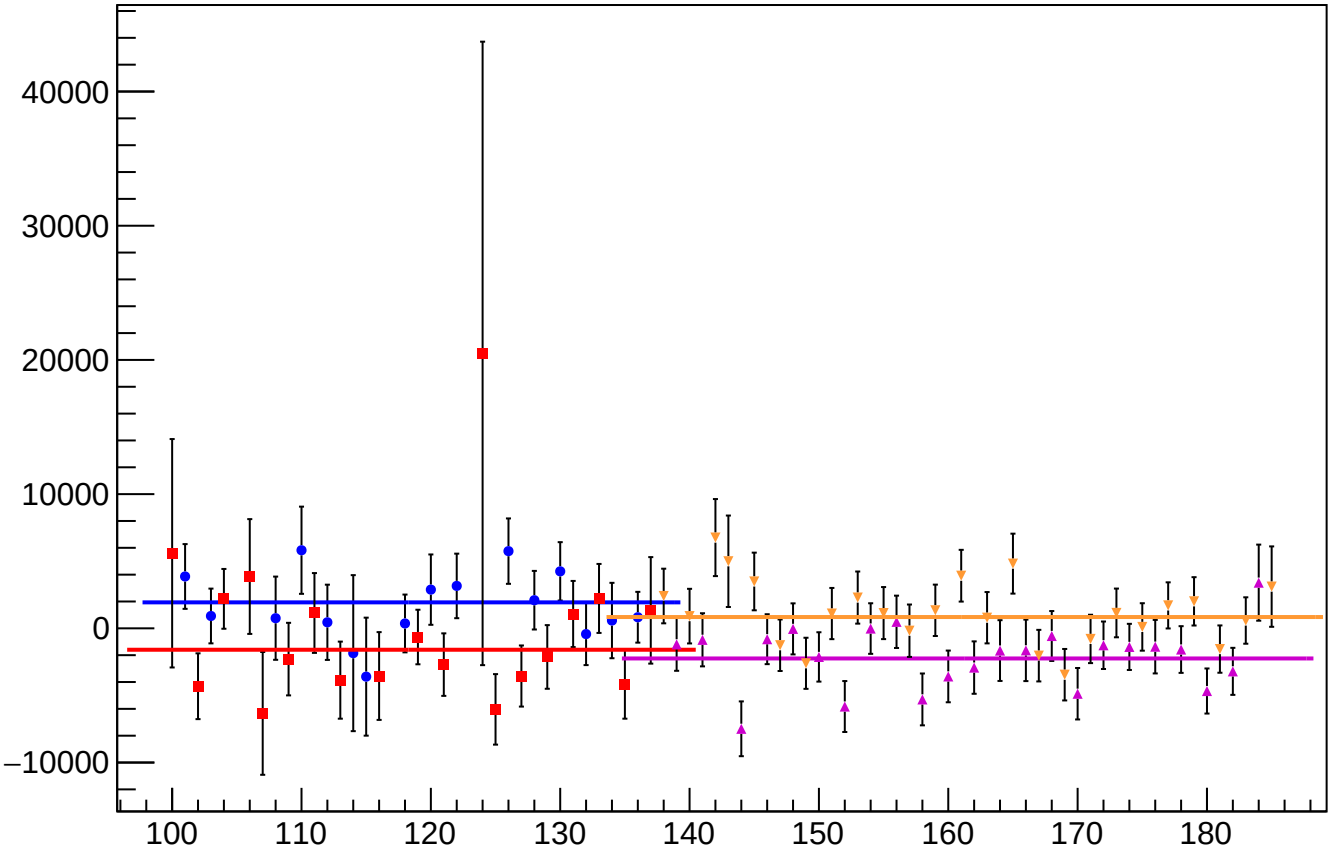
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1265.274+/-0.280 χ^2/NDF: 32152603.1/40

All: 1229.189+/-0.200 χ^2/NDF: 65228988.2/8

- 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: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

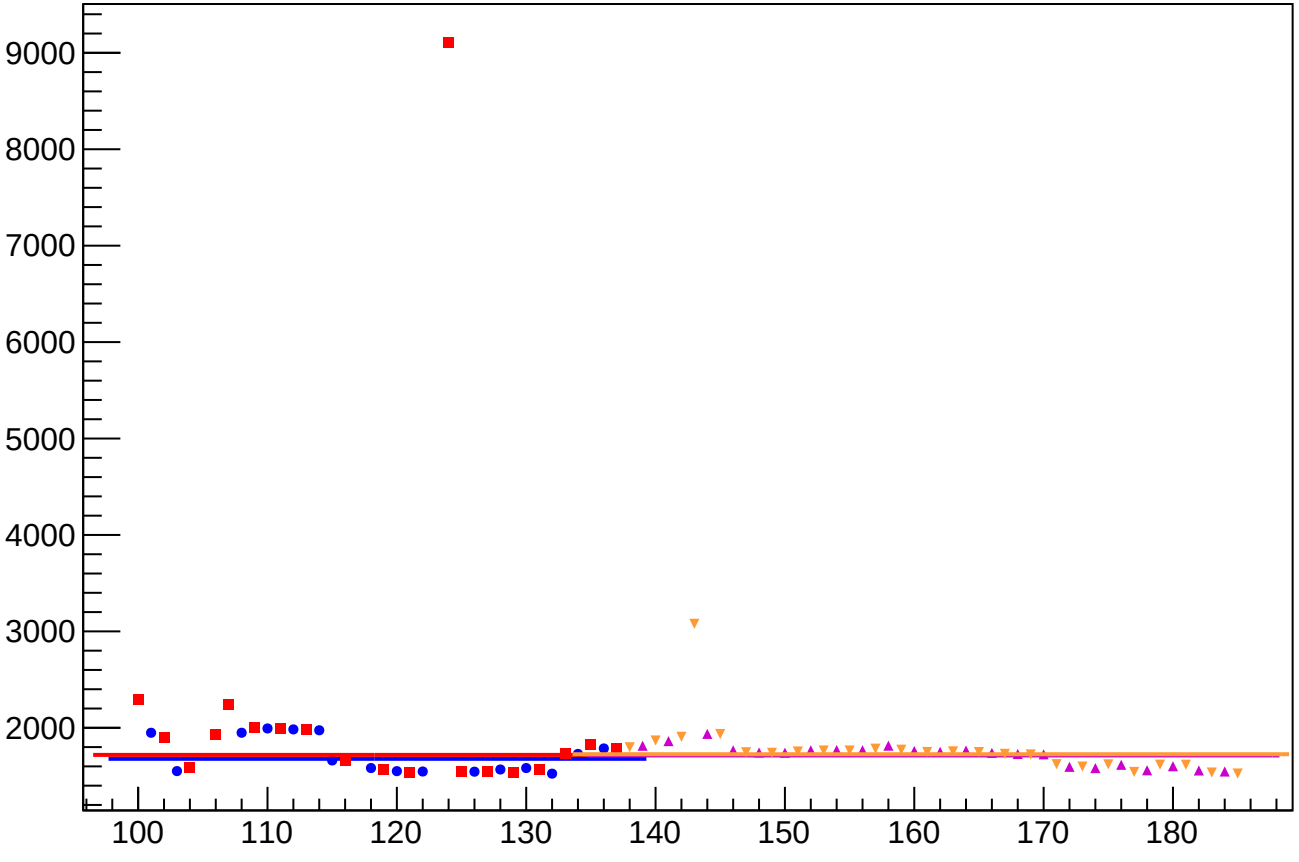
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1150.949+/-334.004 χ^2/NDF: 43.4/40

All: -427.500+/-238.264 χ^2/NDF: 138.5/82

- 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: 1726.058+/-0.279 χ^2/NDF:454930.8/24

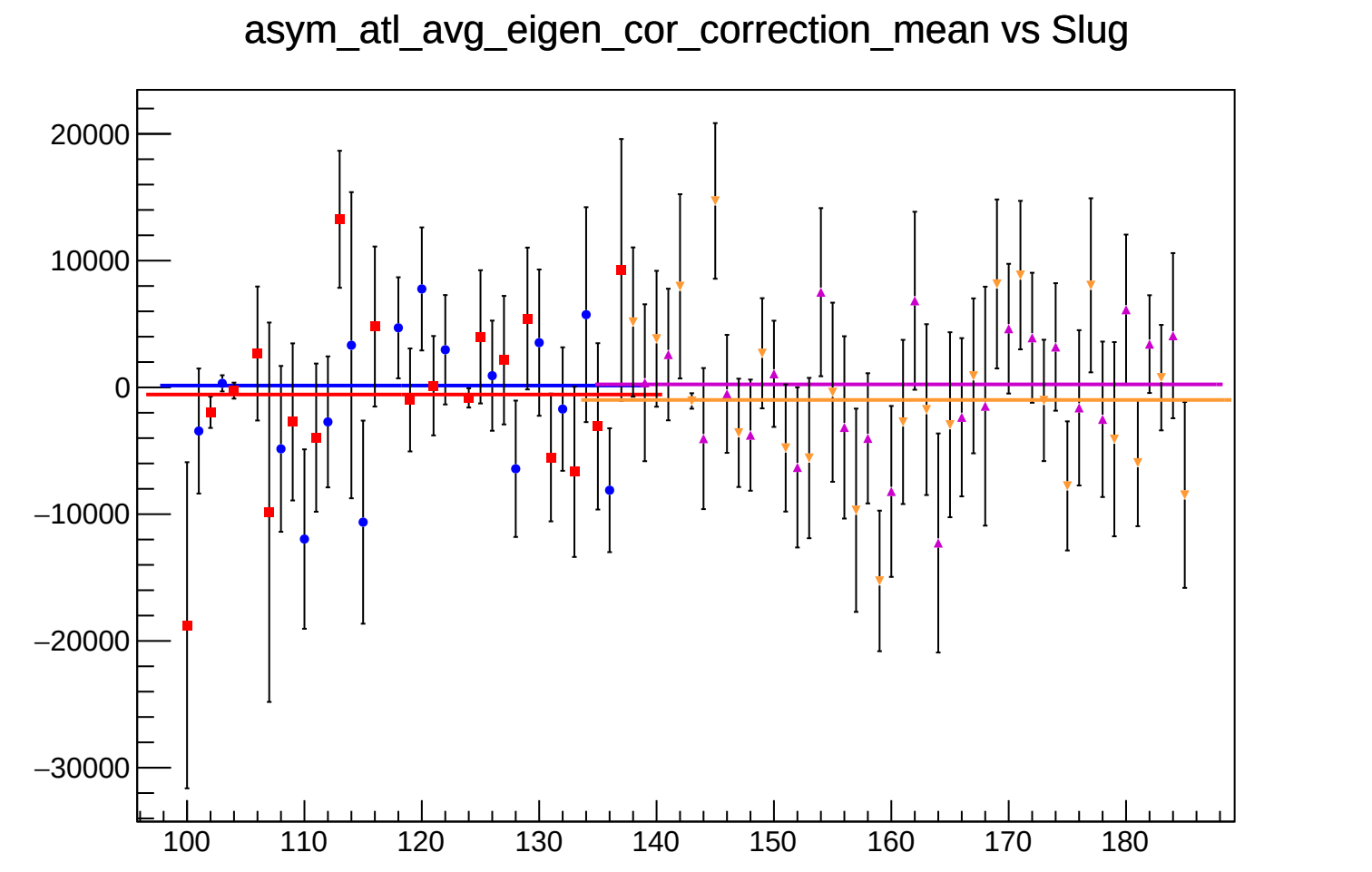
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.612+/-0.236 χ^2/NDF: 604626.2/40

All: 1713.710+/-0.168 χ^2/NDF: 1119009.1/82

- 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: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

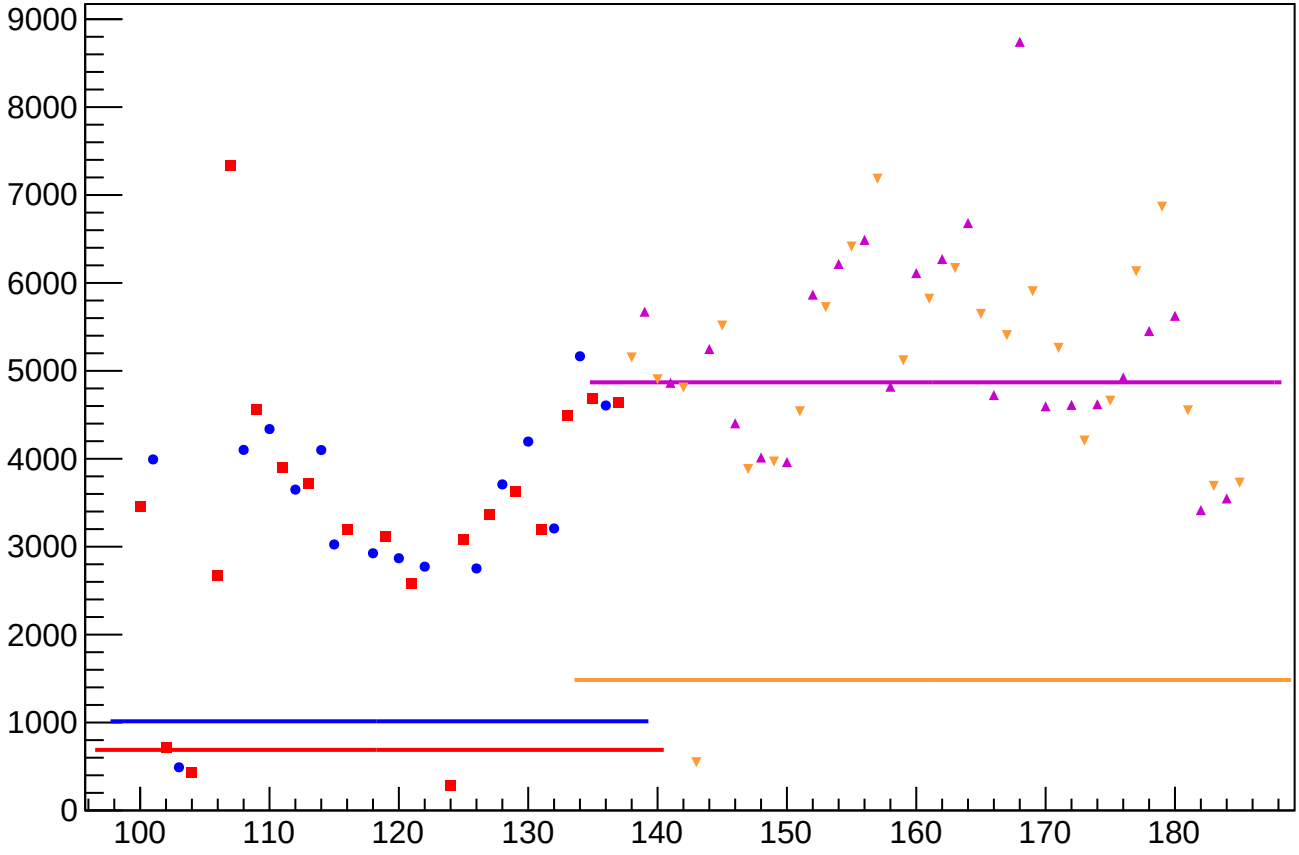
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -458.902+/-395.500 χ^2/NDF: 48.7/40

All: -461.977+/-282.589 χ^2/NDF: 79.8/82

\- sign -465.185+/-403.914 χ^2/NDF: 31.2/41

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

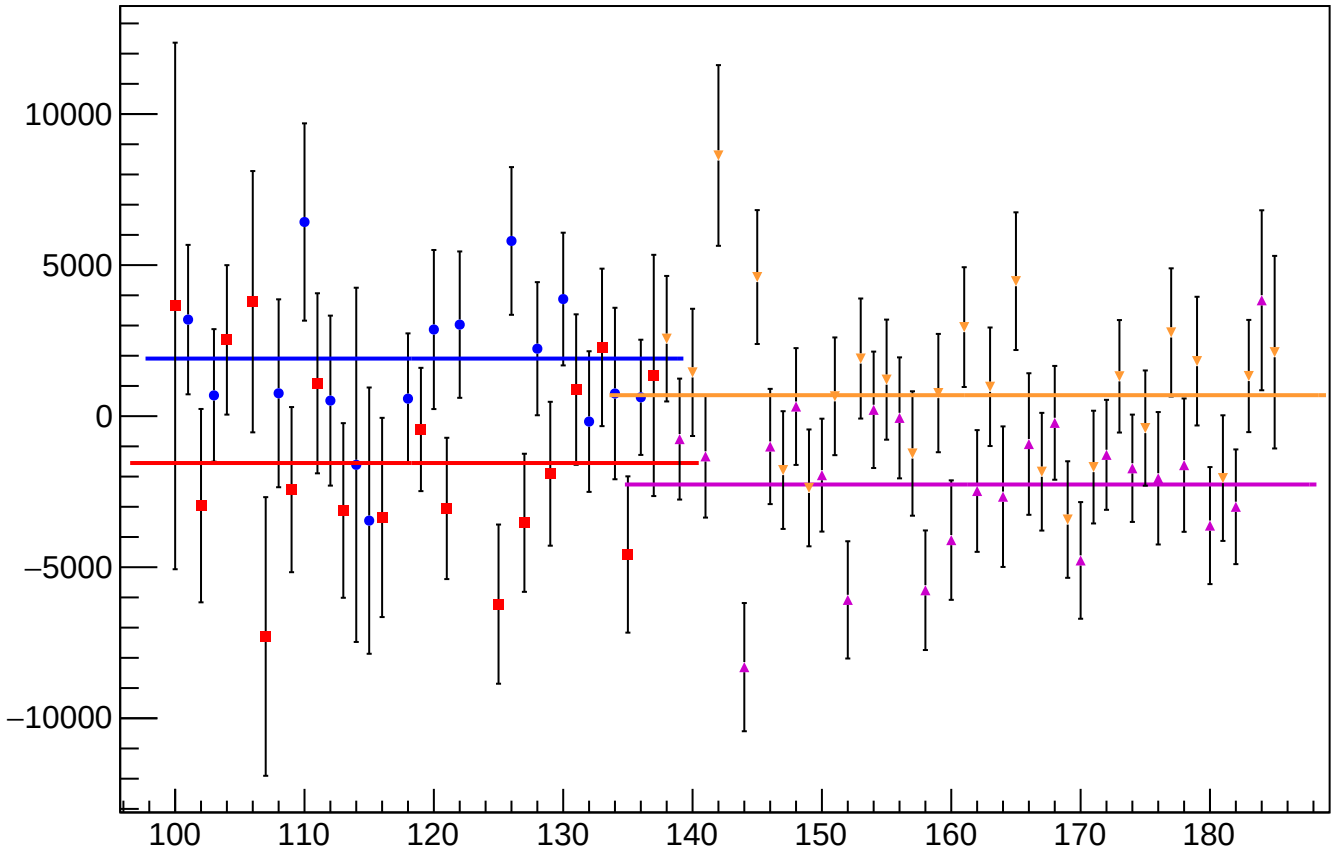
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1265.274+/-0.280 χ^2/NDF: 32152603.1/40

All: 1229.189+/-0.200 χ^2/NDF: 65228988.2/8

- sign 1191.553+/-0.286 χ^2/NDF: 33042371.3/41



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

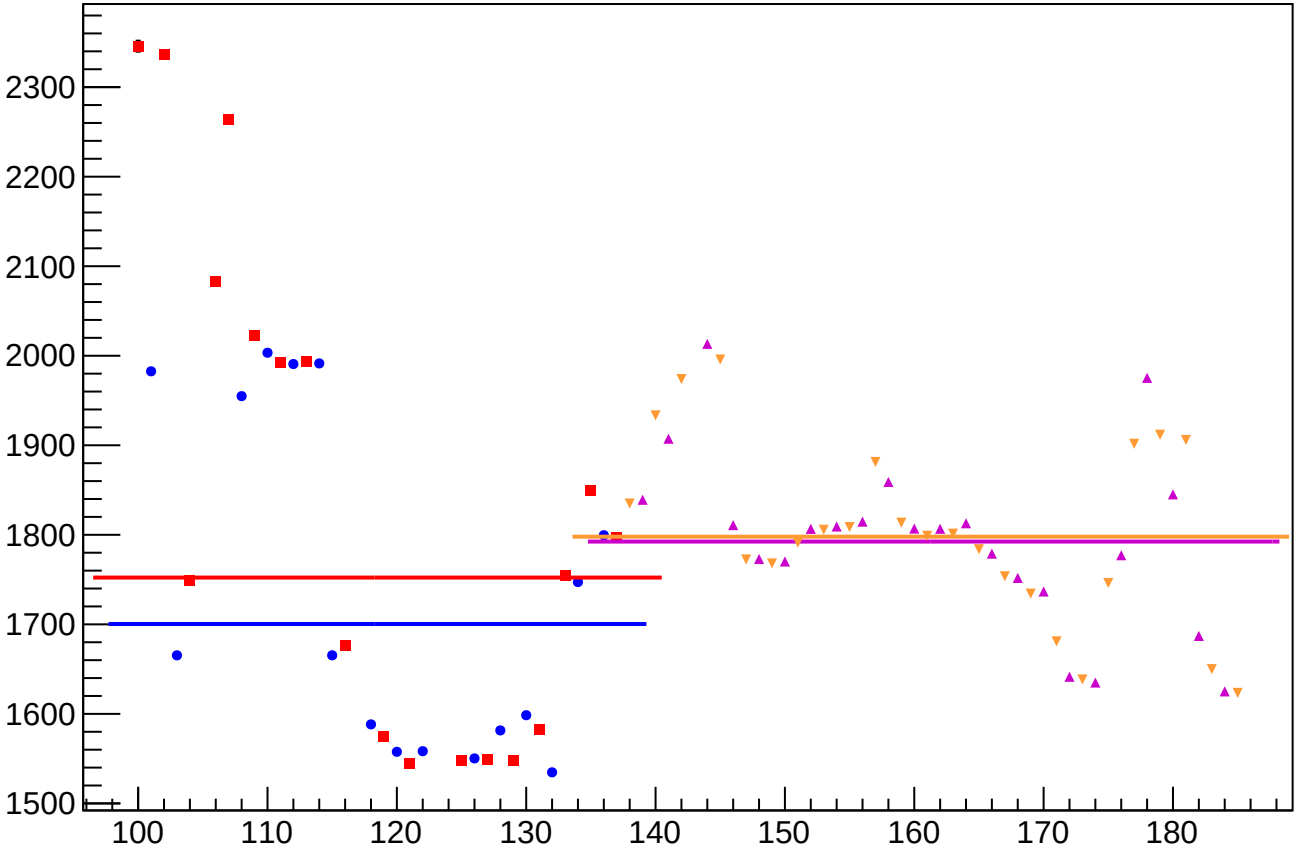
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1059.602+/-349.412 χ^2/NDF: 45.0/39

All: -478.808+/-248.680 χ^2/NDF: 132.9/80

- 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: 1797.909+/-0.296 χ^2/NDF:98002.1/23

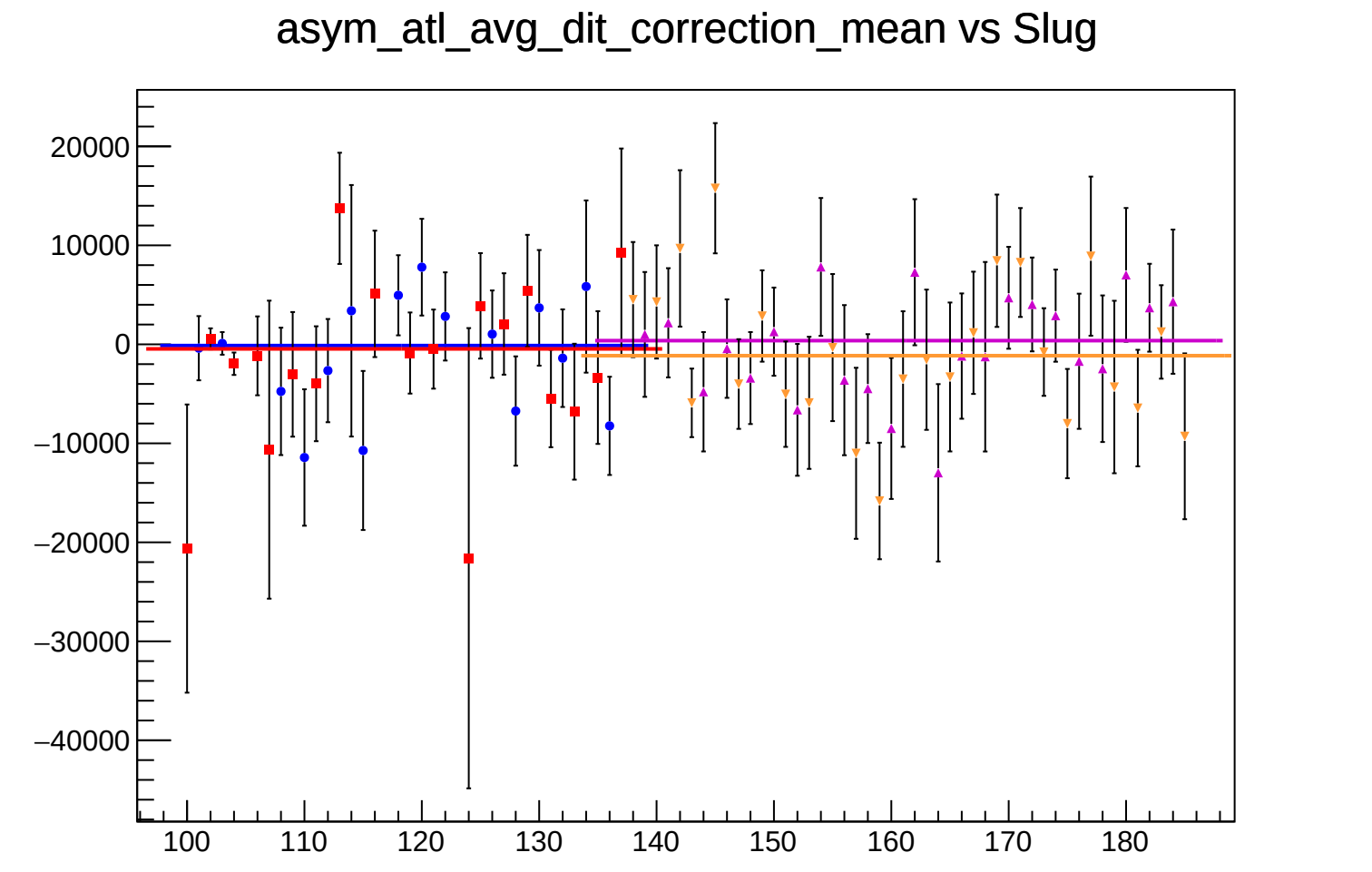
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1768.505+/-0.247 χ^2/NDF: 266247.2/39

All: 1774.616+/-0.176 χ^2/NDF: 613609.5/80

- sign 1780.881+/-0.250 χ^2/NDF: 346123.4/40



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

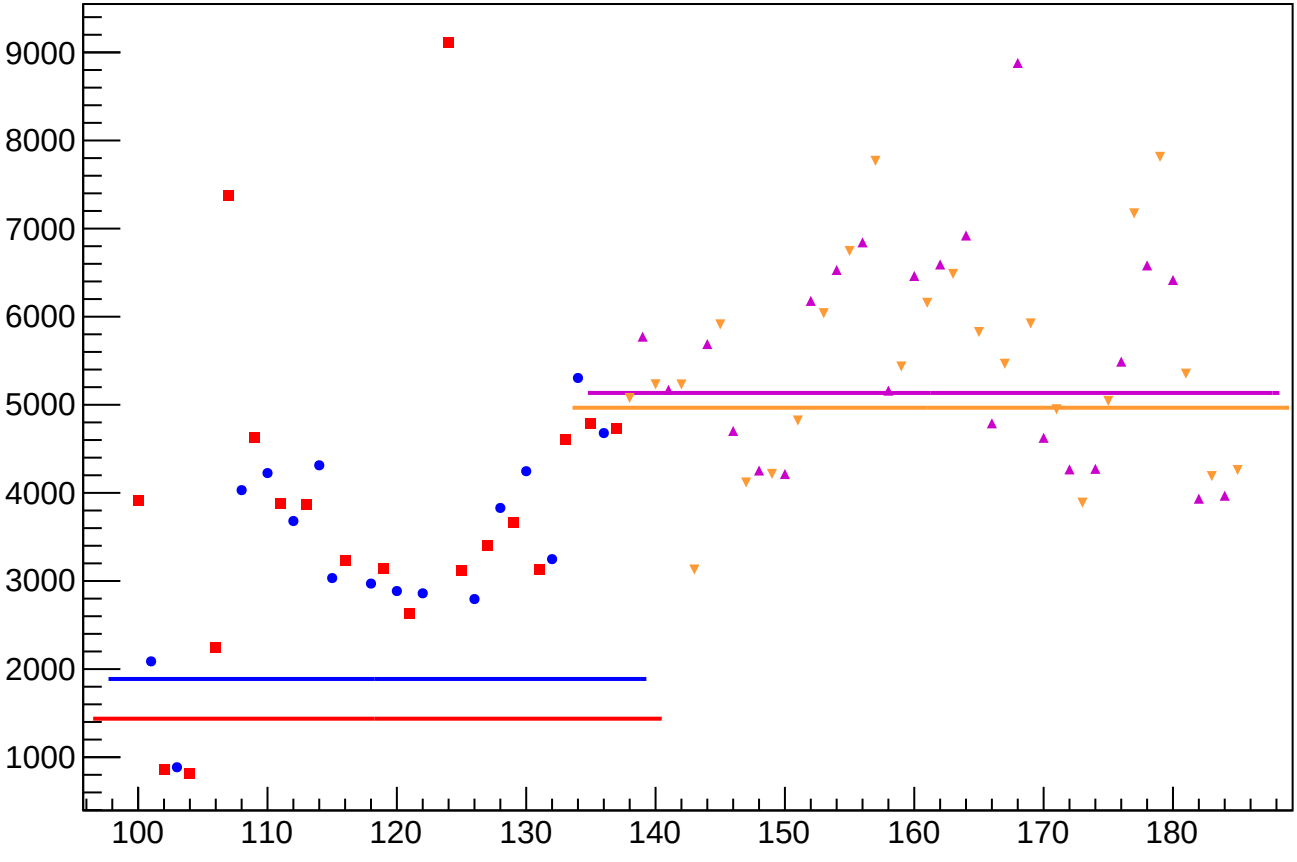
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -489.217+/-695.747 χ^2/NDF: 48.1/40

All: -359.123+/-451.928 χ^2/NDF: 80.3/82

- 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: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

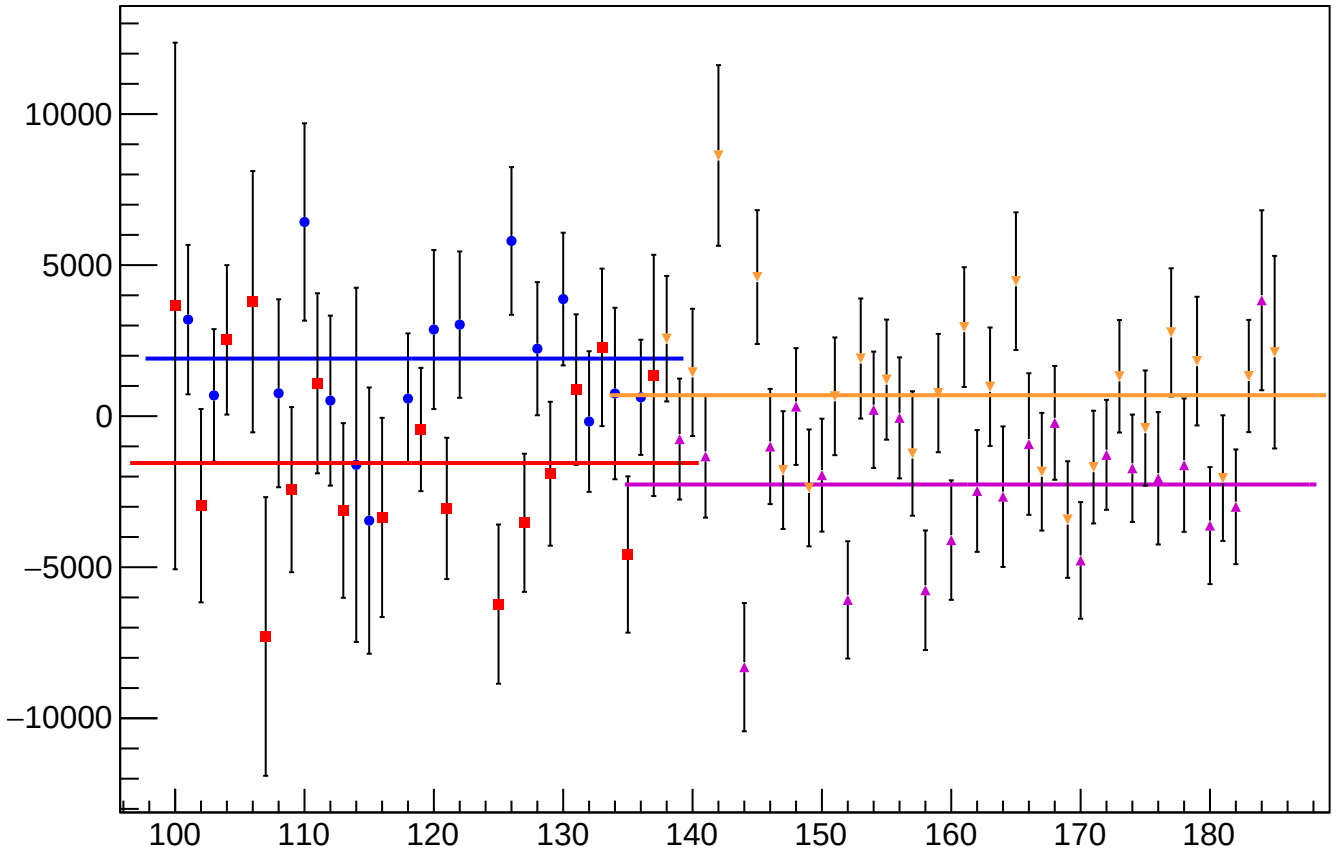
Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 2987.125+/-0.492 χ^2/NDF: 15334177.6/40

All: 2591.291+/-0.320 χ^2/NDF: 37777068.6/8

- sign 2302.379+/-0.420 χ^2/NDF: 21323014.2/41



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

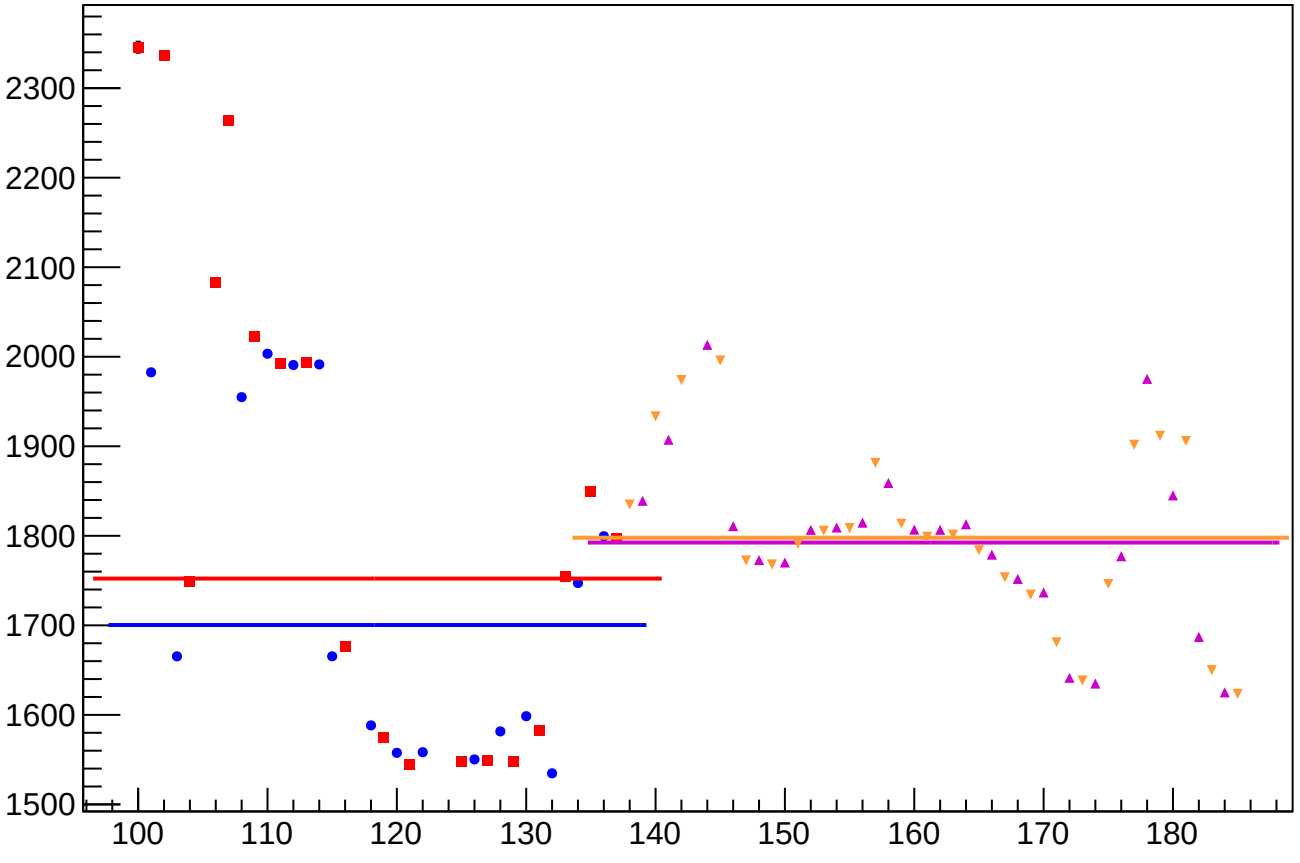
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1059.599+/-349.412 χ^2/NDF: 45.0/39

All: -478.809+/-248.680 χ^2/NDF: 132.9/80

- 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: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

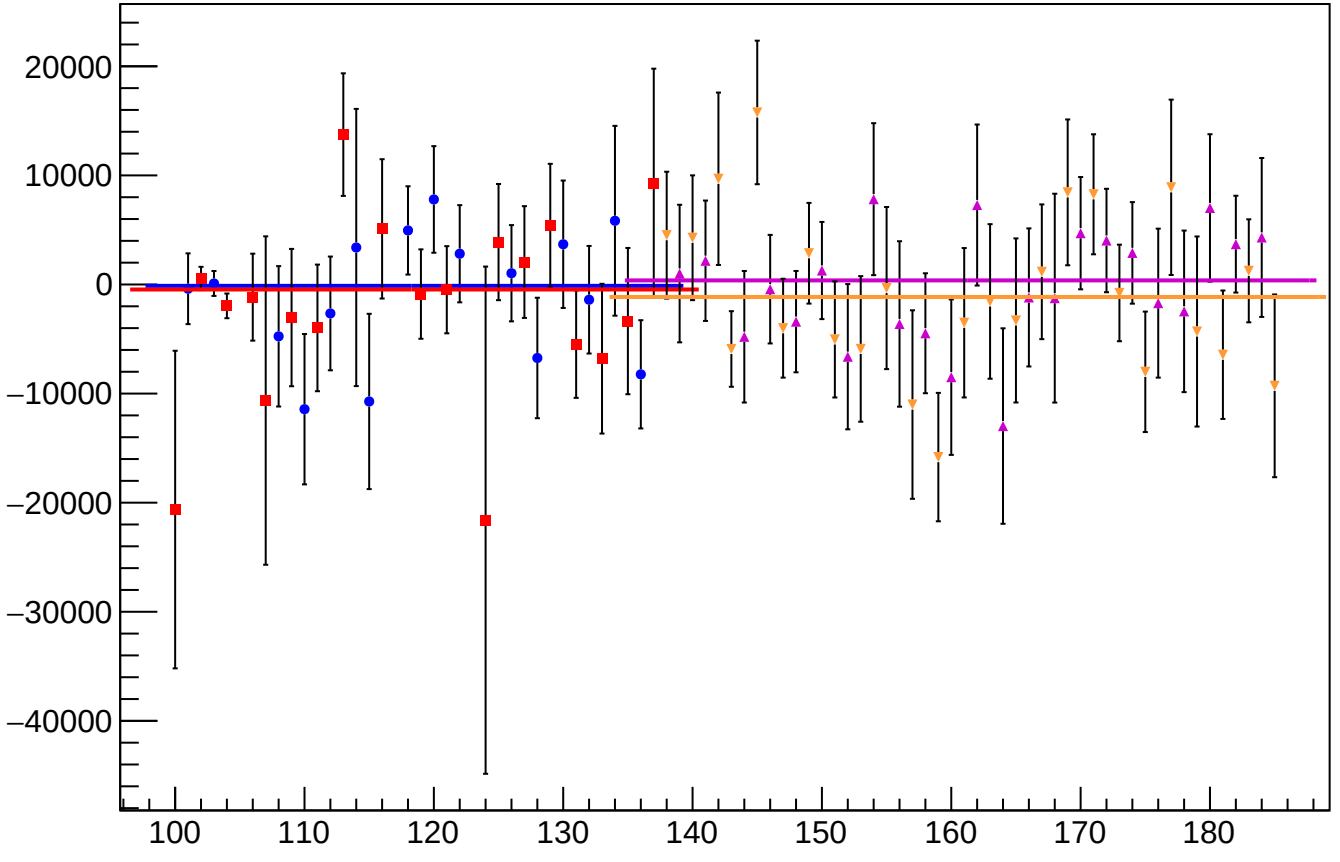
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1768.506+/-0.247 χ^2/NDF: 266251.9/39

All: 1774.617+/-0.176 χ^2/NDF: 613617.5/80

- sign 1780.882+/-0.250 χ^2/NDF: 346126.7/40

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

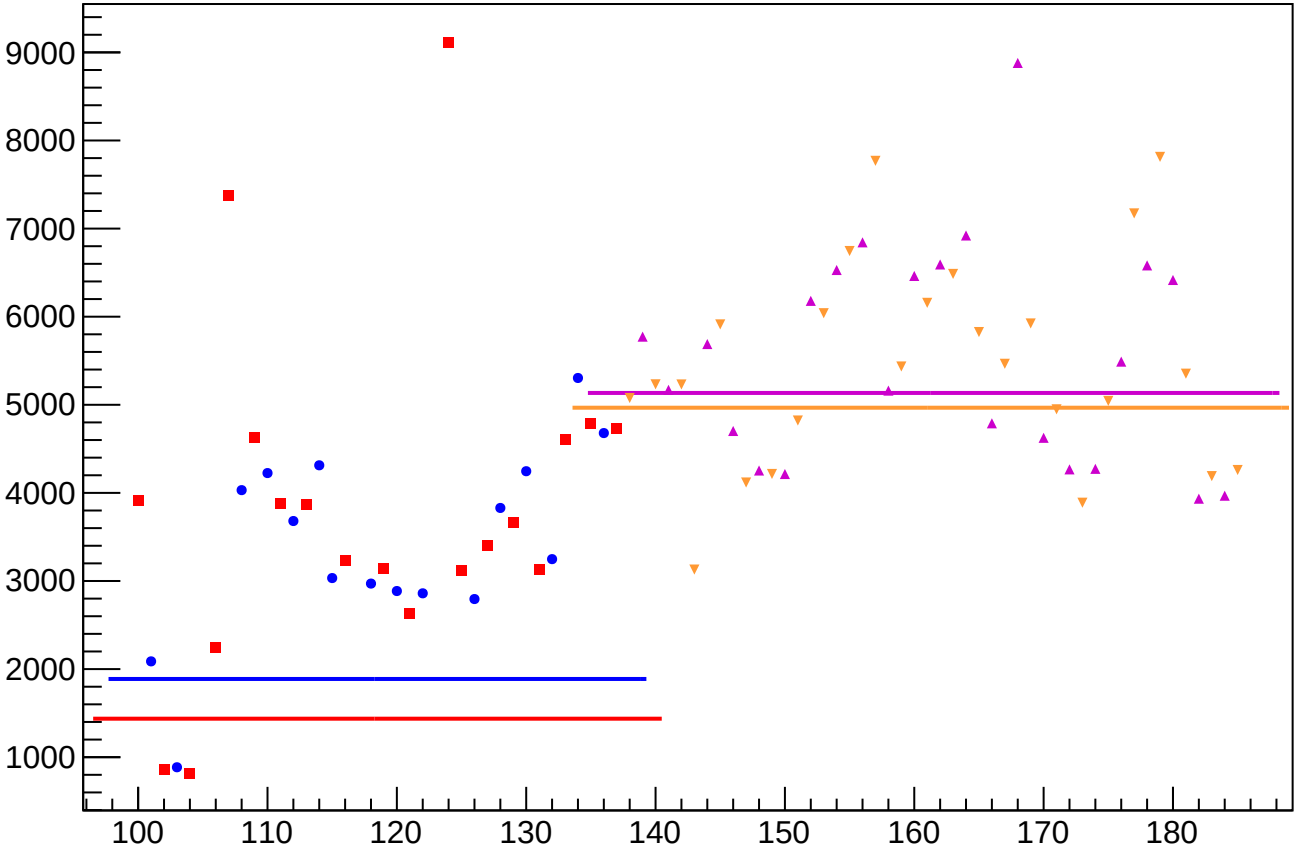
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -489.213+/-695.744 χ^2/NDF: 48.1/40

All: -359.122+/-451.926 χ^2/NDF: 80.3/82

- 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: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

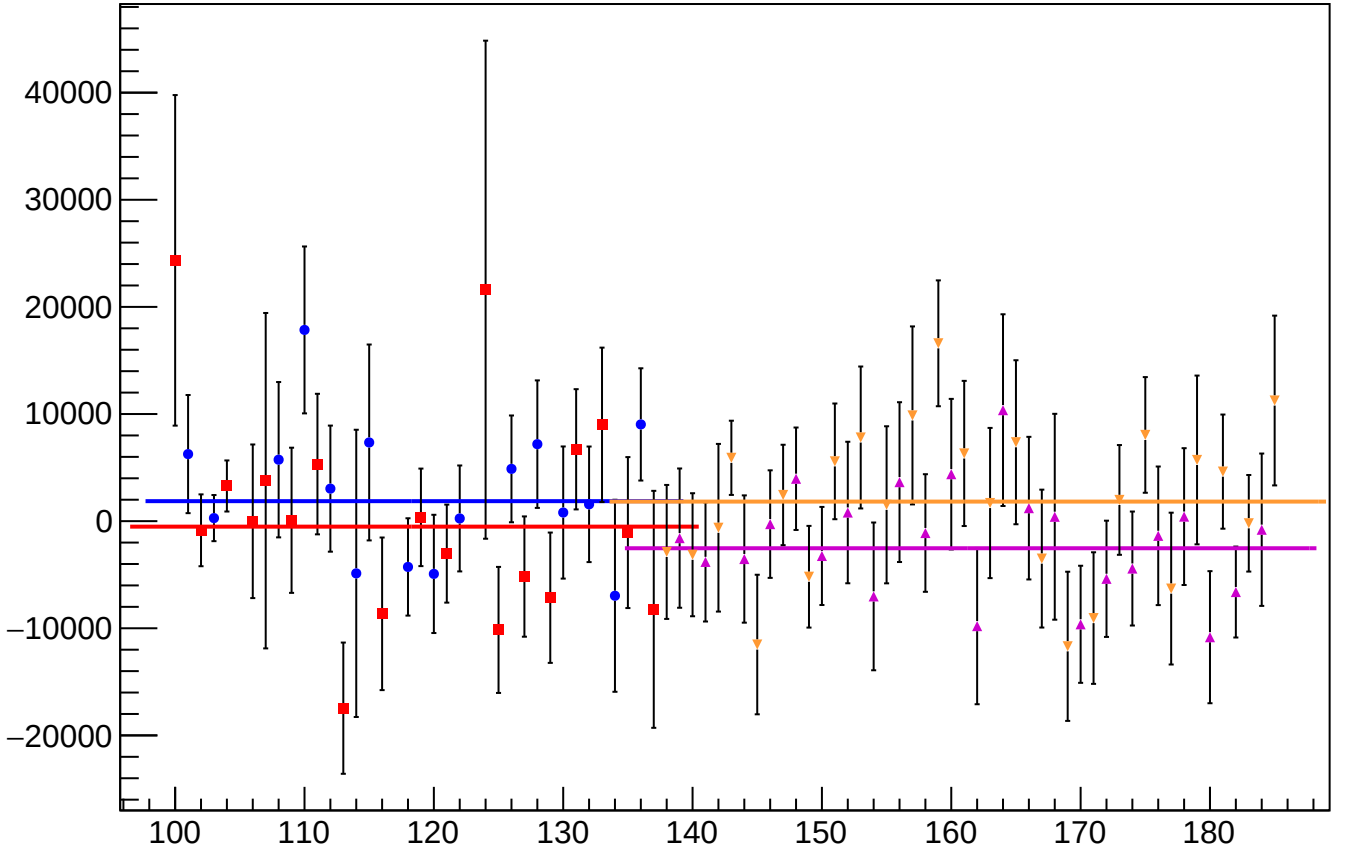
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 2987.106+/-0.492 χ^2/NDF: 15334383.5/40

All: 2591.270+/-0.320 χ^2/NDF: 37777502.2/8

- 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: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

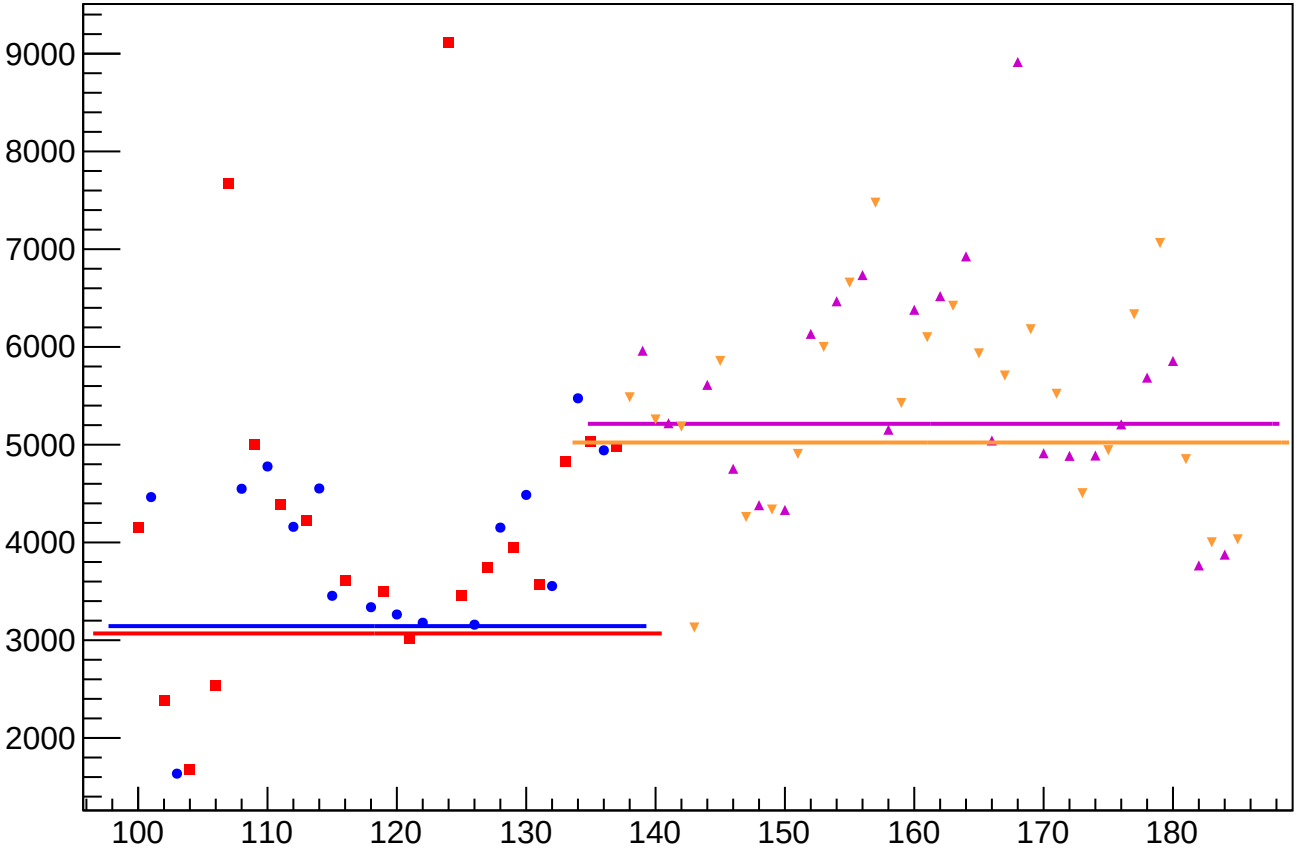
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1844.970+/-858.085 χ^2/NDF: 44.9/40

All: 200.925+/-613.701 χ^2/NDF: 91.6/82

- 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: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

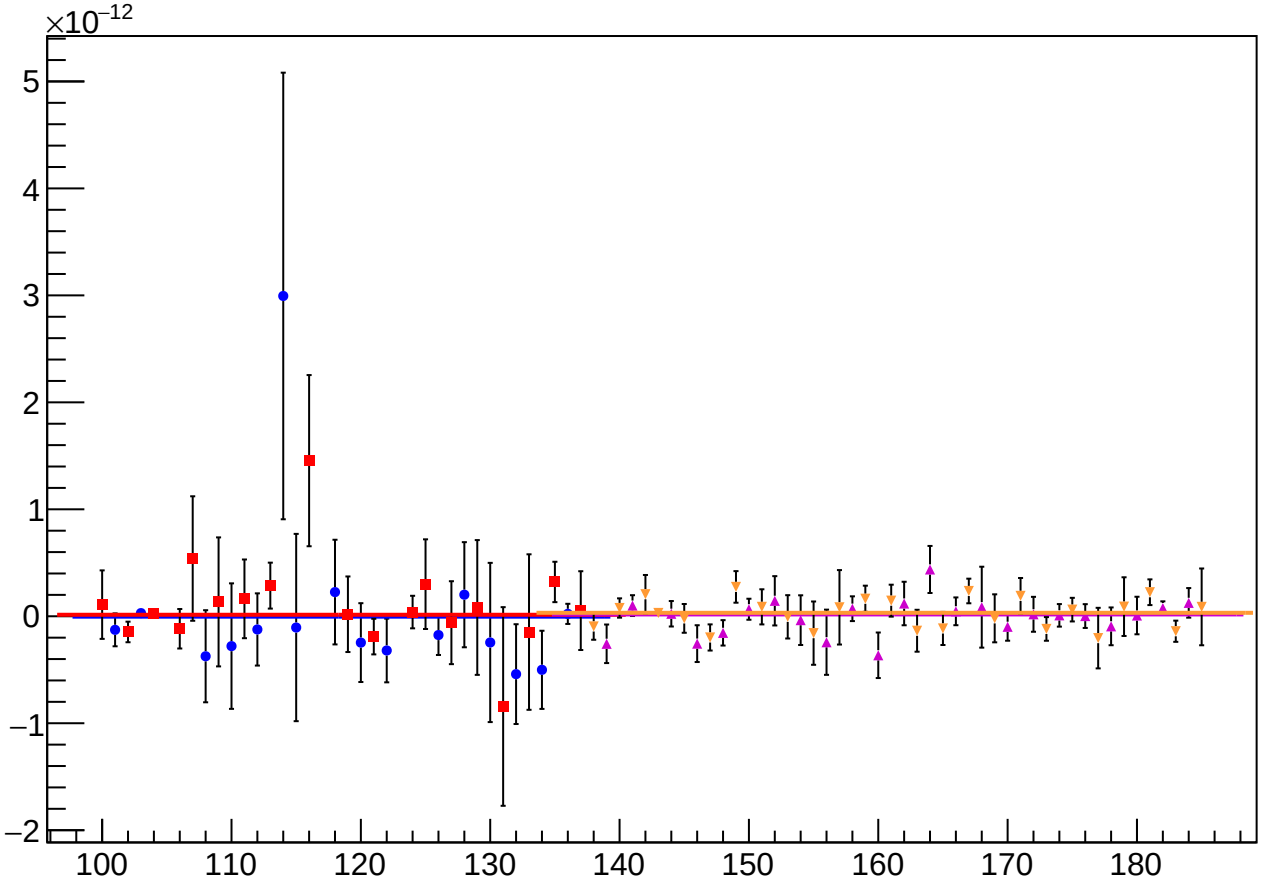
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4150.161+/-0.607 χ^2/NDF: 5943266.1/40

All: 4137.312+/-0.432 χ^2/NDF: 12078296.2/8

- 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:25.0/24

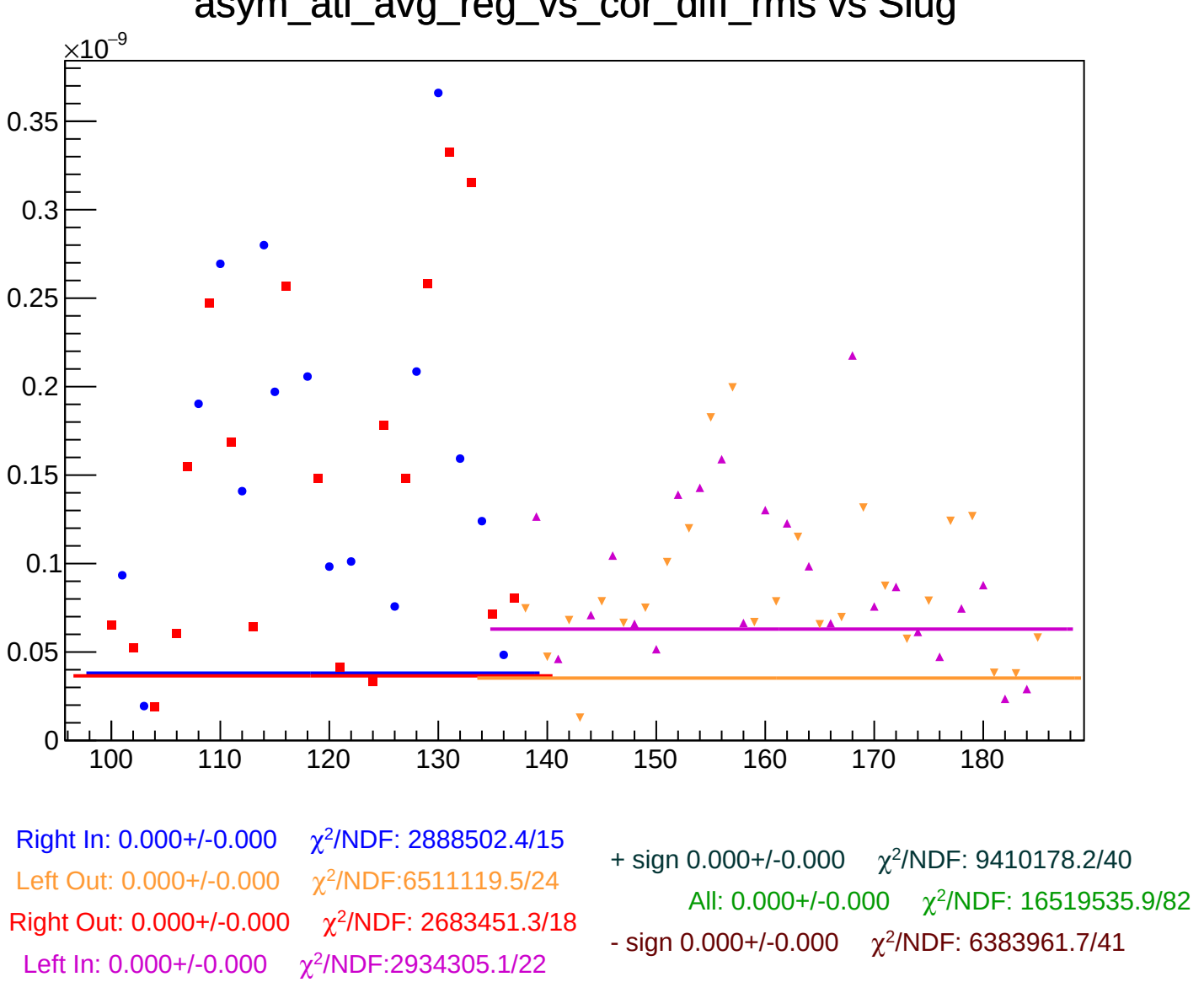
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

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

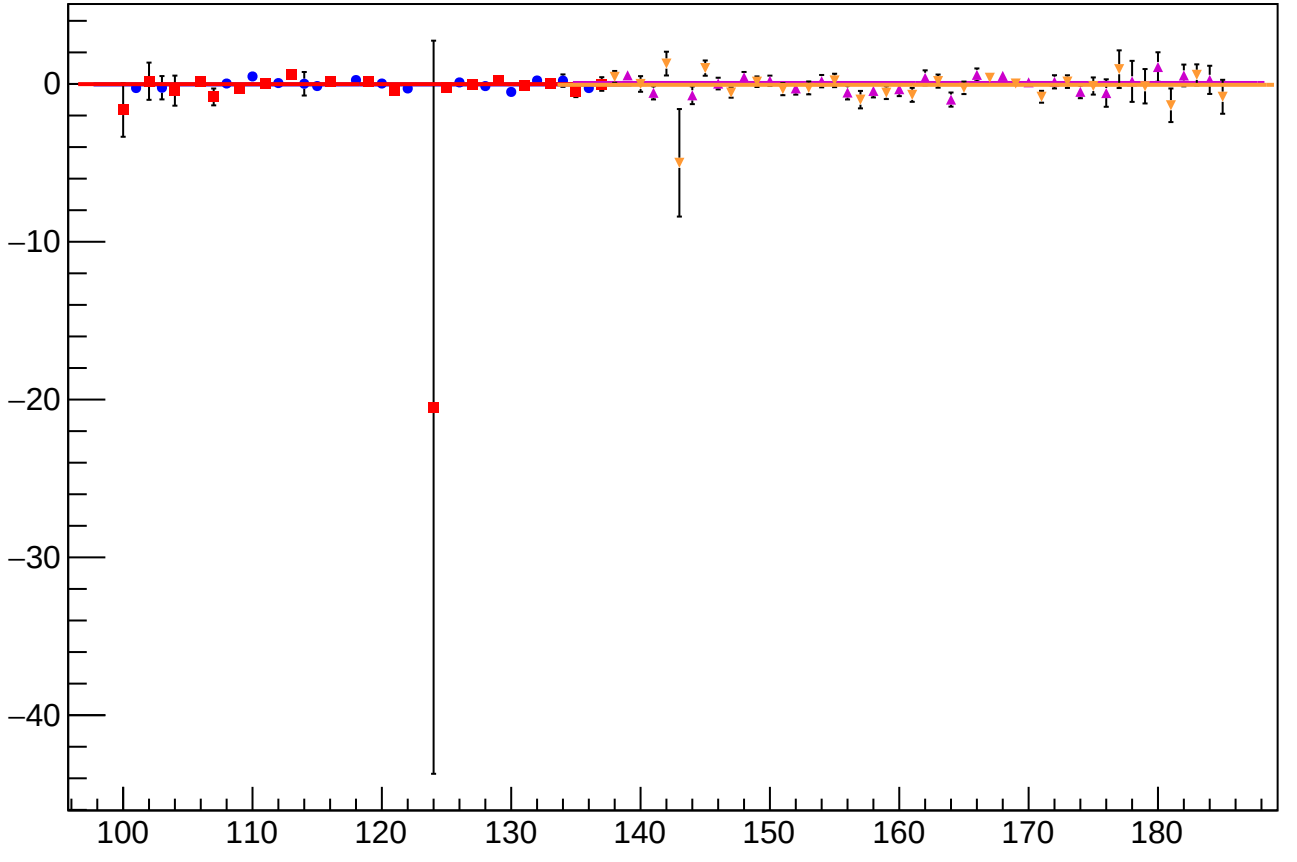
+ sign 0.000+/-0.000 χ^2/NDF: 36.5/40

All: 0.000+/-0.000 χ^2/NDF: 70.6/82

- 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:6511119.5/24
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: 9410178.2/40
All: 0.000+/-0.000 χ²/NDF: 16519535.9/82
- 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: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

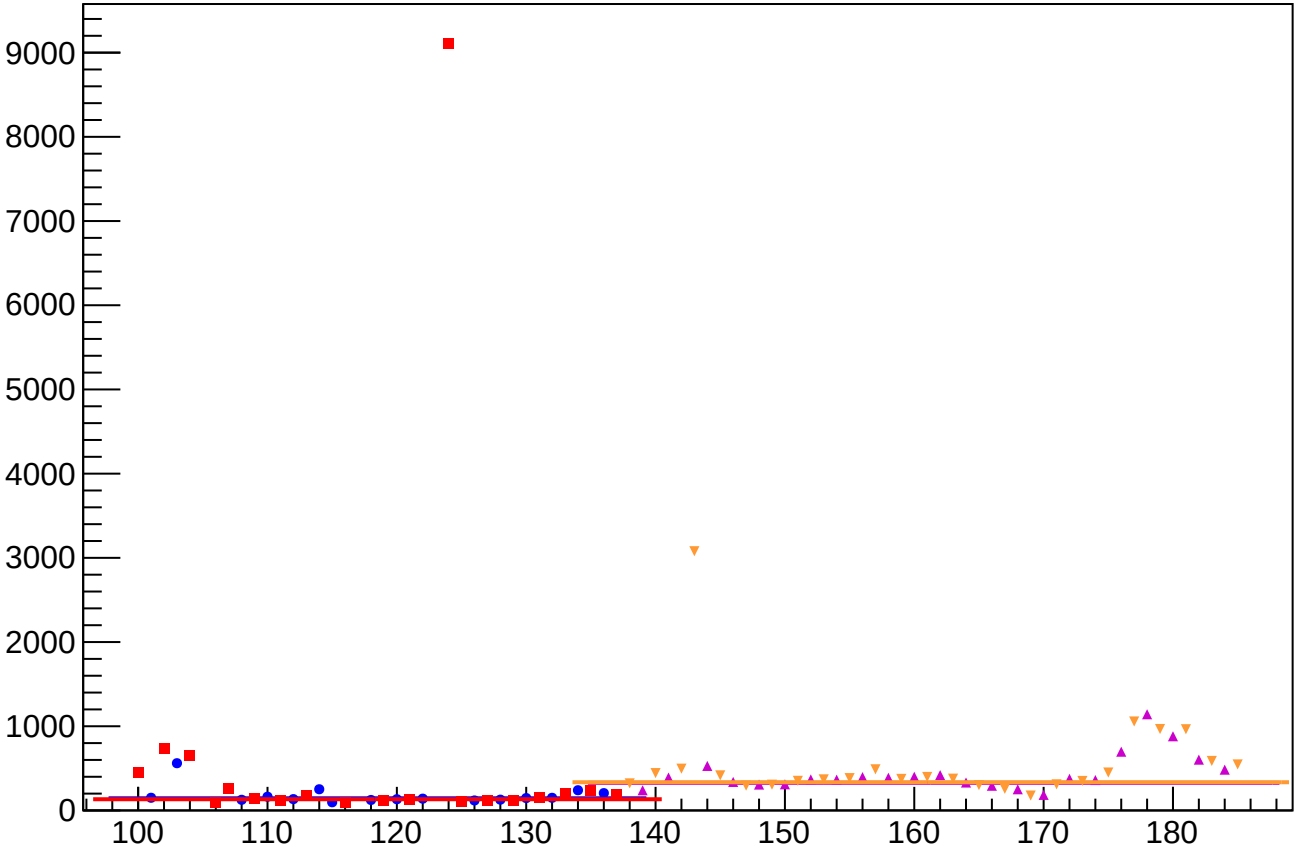
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.037+/-0.048 χ^2/NDF: 50.4/40

All: -0.011+/-0.033 χ^2/NDF: 101.3/82

- 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: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

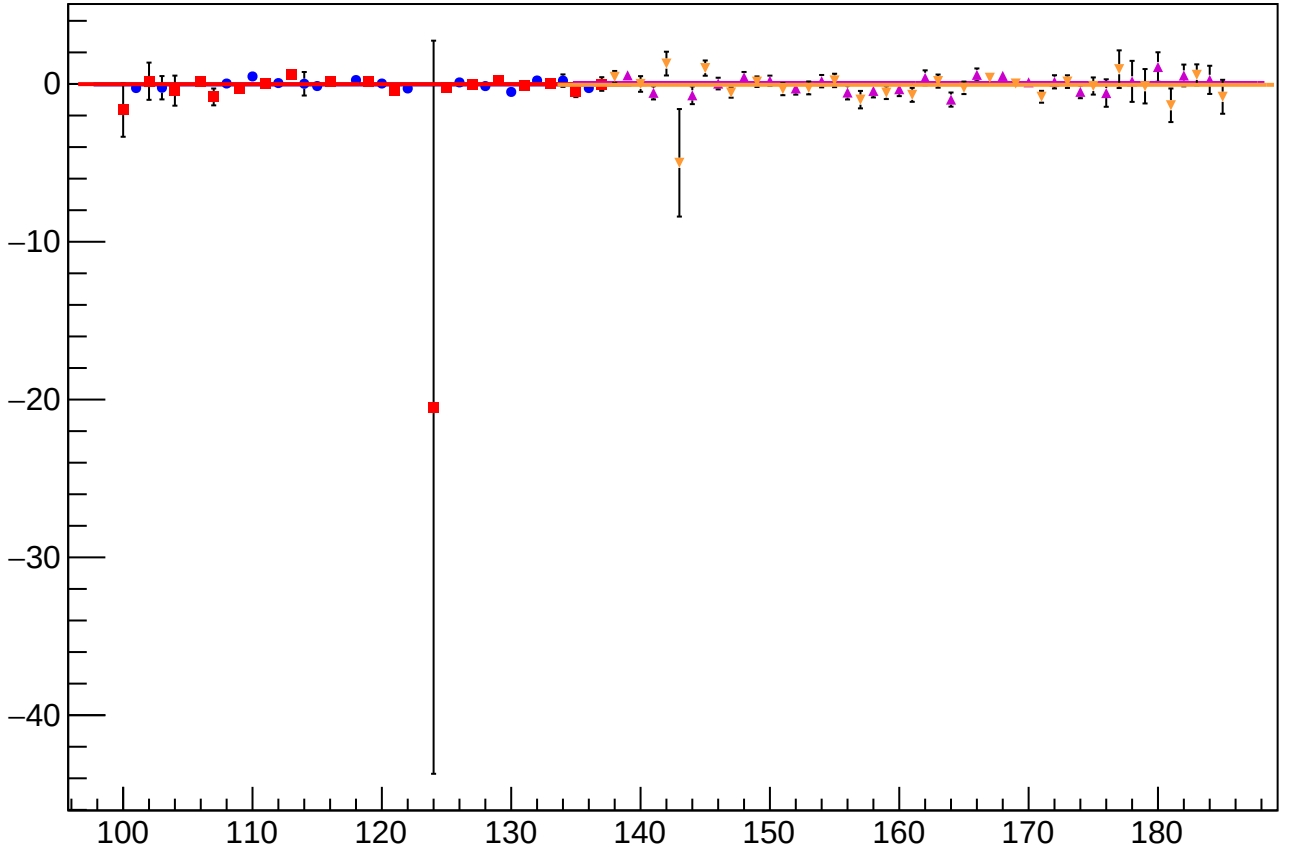
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 205.063+/-0.034 χ^2/NDF: 13918676.5/40

All: 199.951+/-0.024 χ^2/NDF: 27859599.9/82

- sign 195.067+/-0.033 χ^2/NDF: 13896086.1/41

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

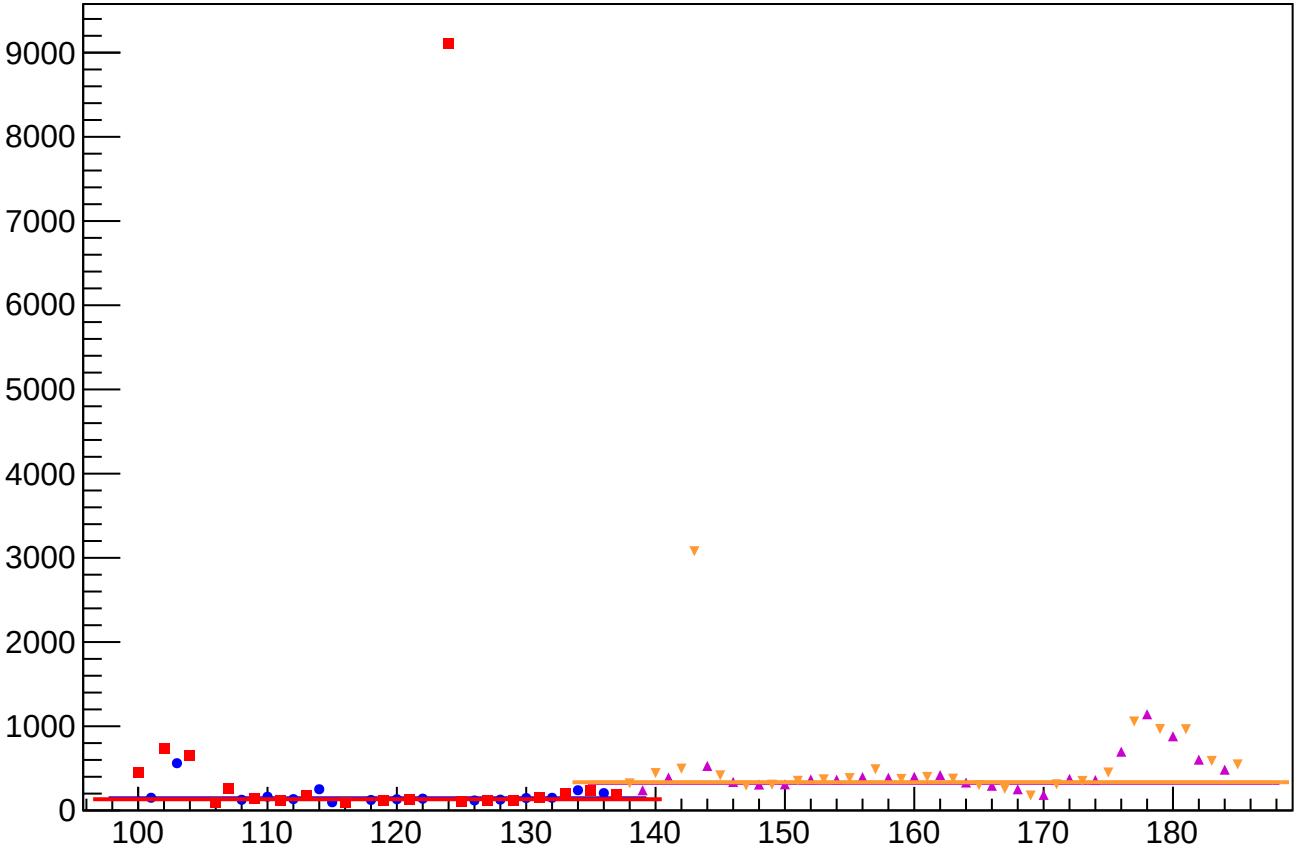
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.037+/-0.048 χ^2/NDF: 50.4/40

All: -0.011+/-0.033 χ^2/NDF: 101.3/82

- 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: 335.166+/-0.060 χ^2/NDF:5852083.8/24

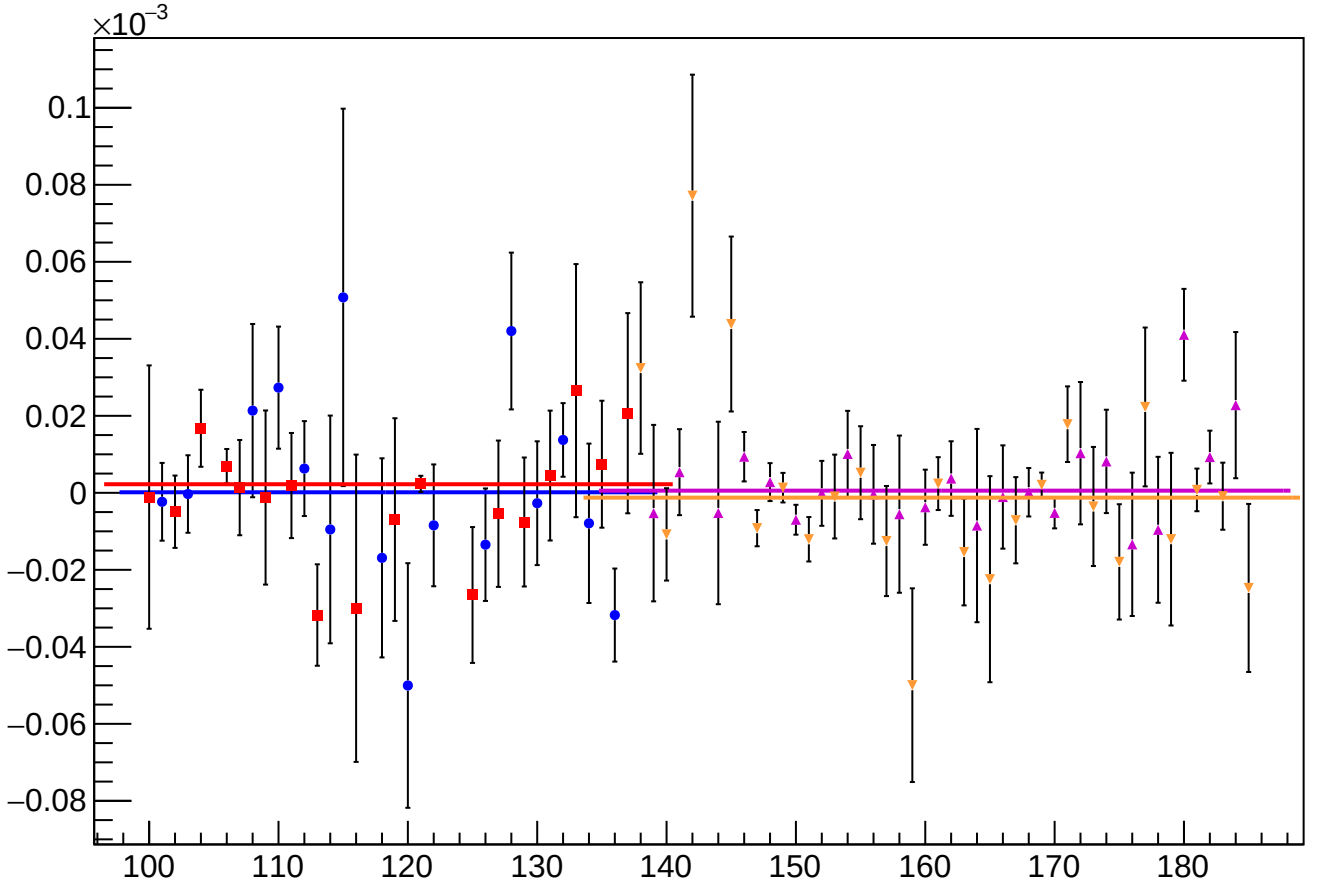
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 205.063+/-0.034 χ^2/NDF: 13918676.5/40

All: 199.951+/-0.024 χ^2/NDF: 27859599.9/82

- 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:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

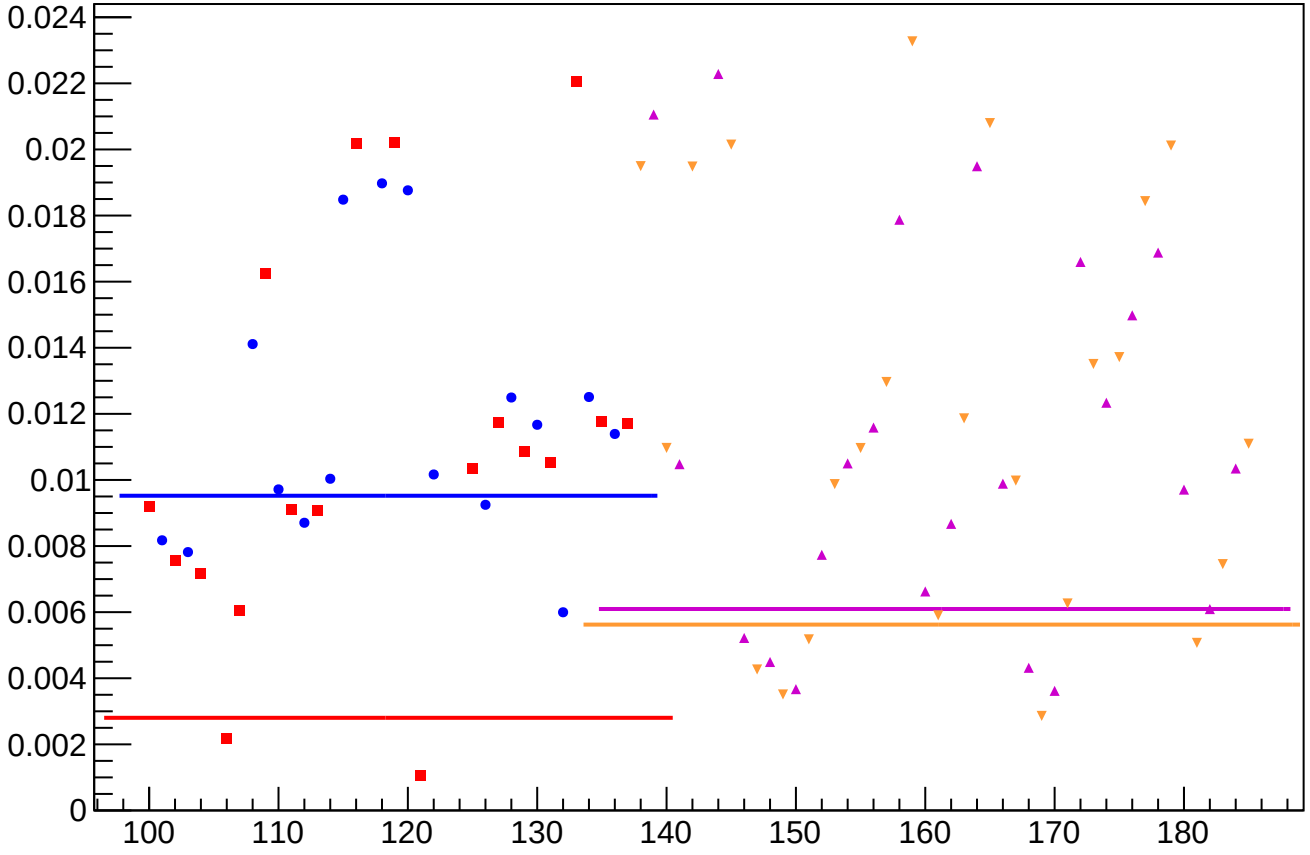
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.6/39

All: 0.000+/-0.000 χ^2/NDF: 101.8/80

- 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:11183743.0/23

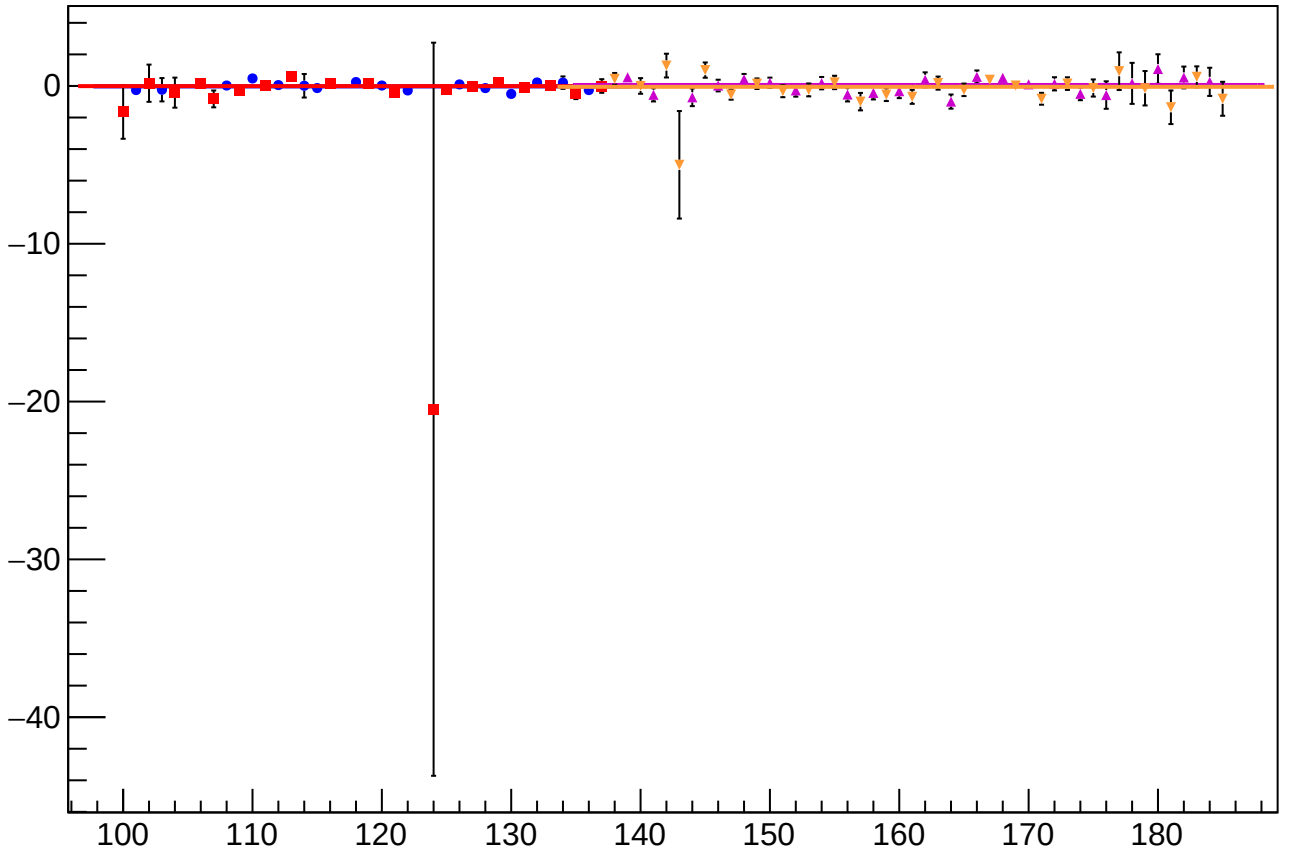
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 14144096.1/39

All: 0.005+/-0.000 χ^2/NDF: 36904952.0/80

- sign 0.004+/-0.000 χ^2/NDF: 21013500.4/40



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

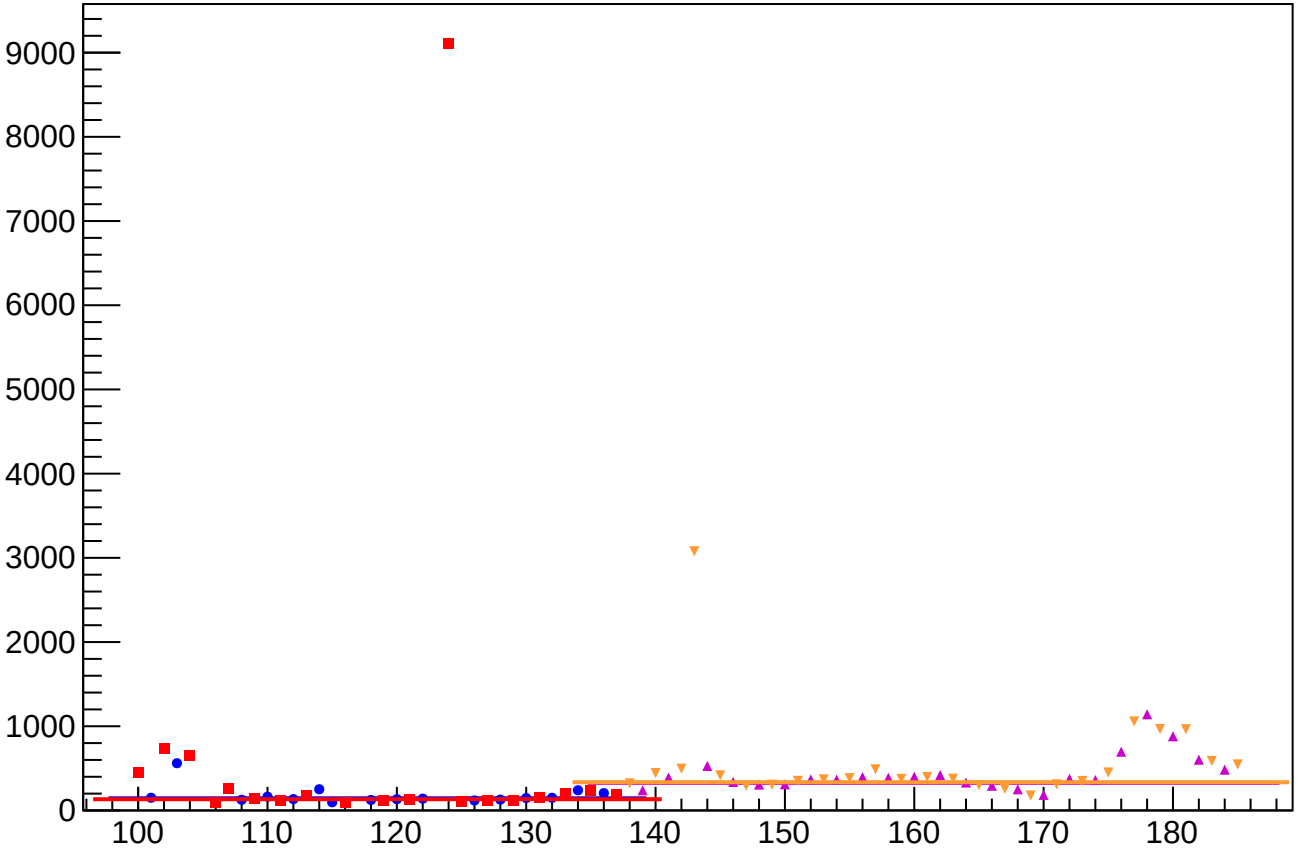
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.037+/-0.048 χ^2/NDF: 50.4/40

All: -0.011+/-0.033 χ^2/NDF: 101.3/82

- 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: 335.168+/-0.060 χ^2/NDF:5852151.8/24

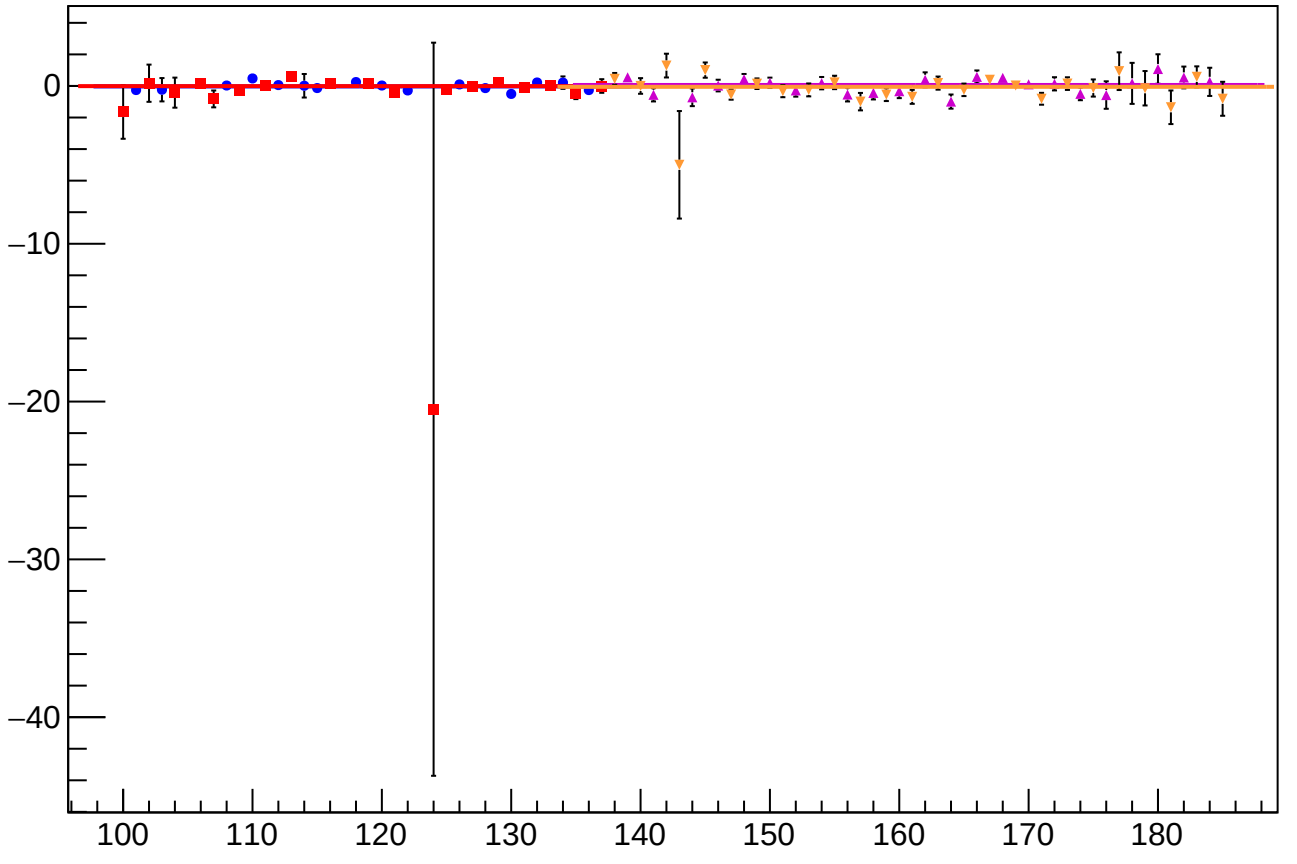
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 205.062+/-0.034 χ^2/NDF: 13918999.5/40

All: 199.950+/-0.024 χ^2/NDF: 27860090.5/82

- sign 195.067+/-0.033 χ^2/NDF: 13896260.8/41



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

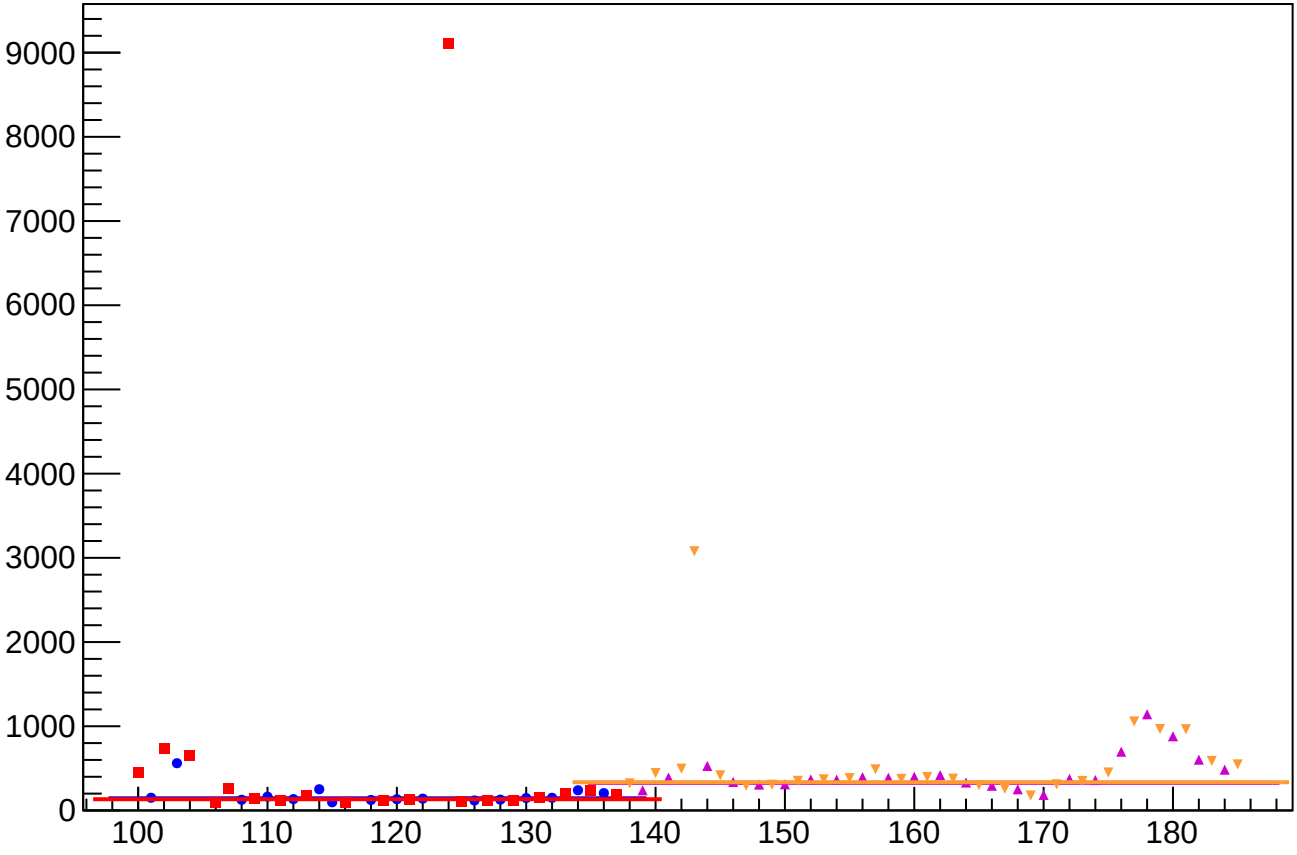
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.037+/-0.048 χ^2/NDF: 50.4/40

All: -0.011+/-0.033 χ^2/NDF: 101.3/82

- sign 0.013+/-0.047 χ^2/NDF: 50.3/41

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

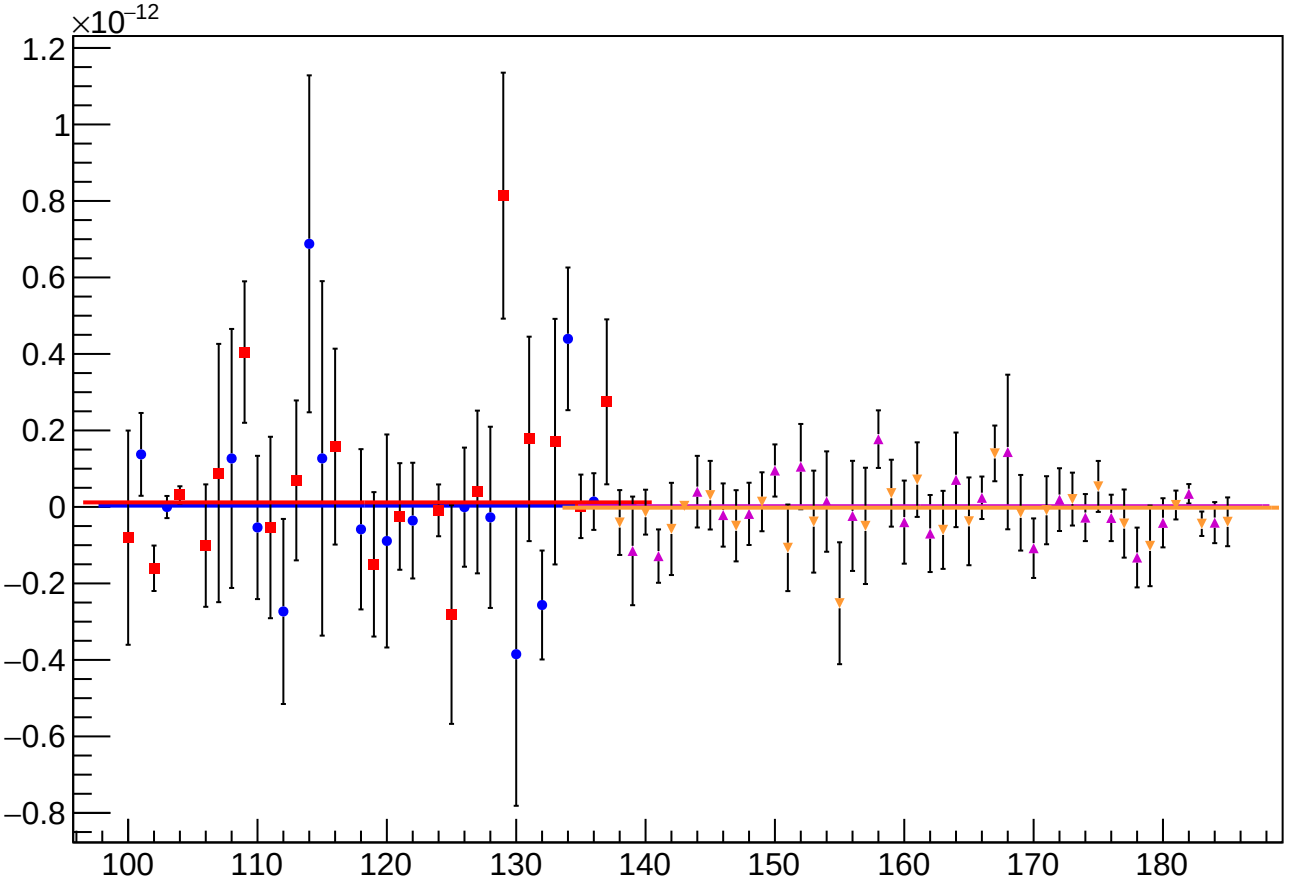
Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 205.062+/-0.034 χ^2/NDF: 13918999.5/40

All: 199.950+/-0.024 χ^2/NDF: 27860090.5/82

- sign 195.067+/-0.033 χ^2/NDF: 13896260.8/41

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

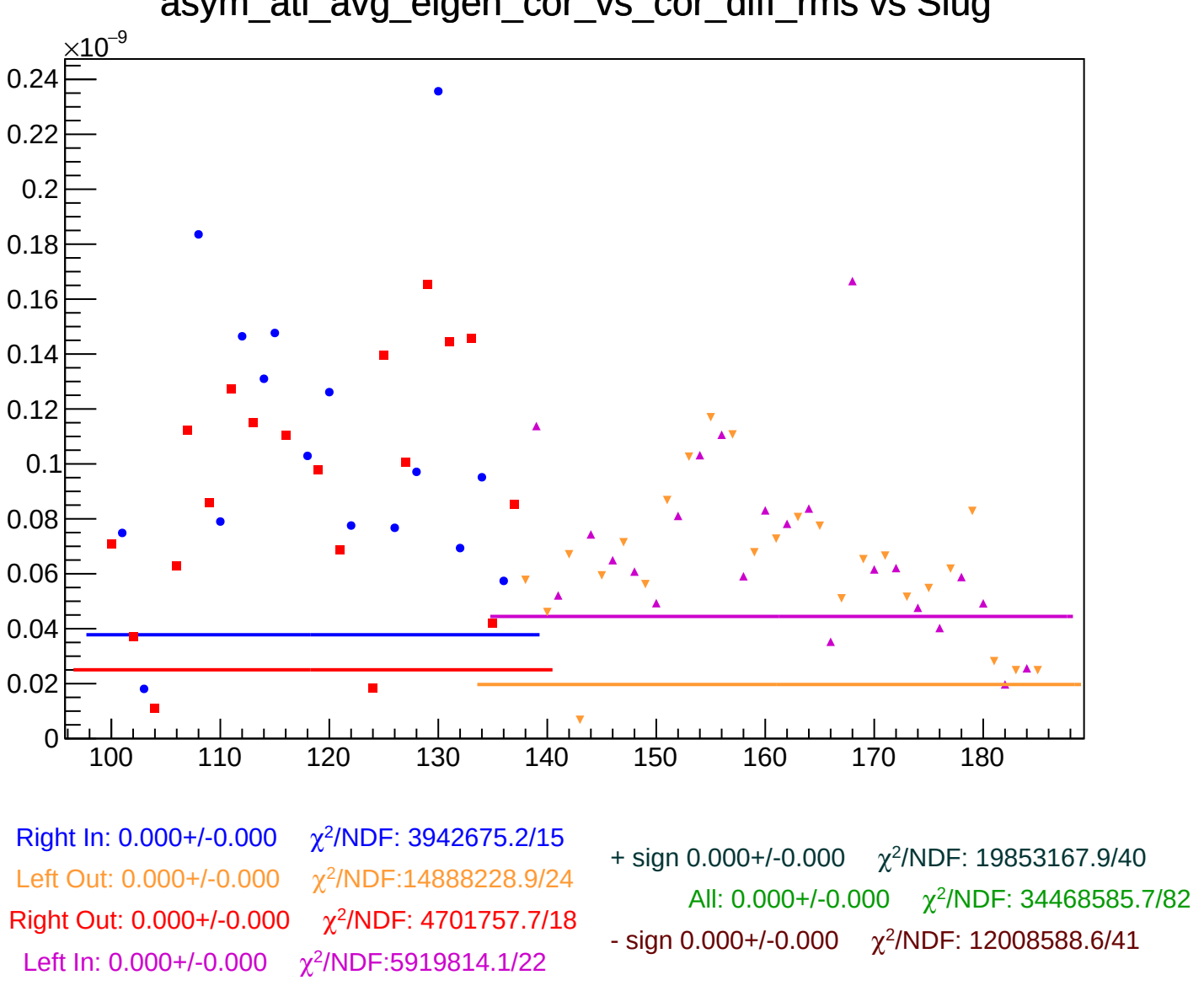
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

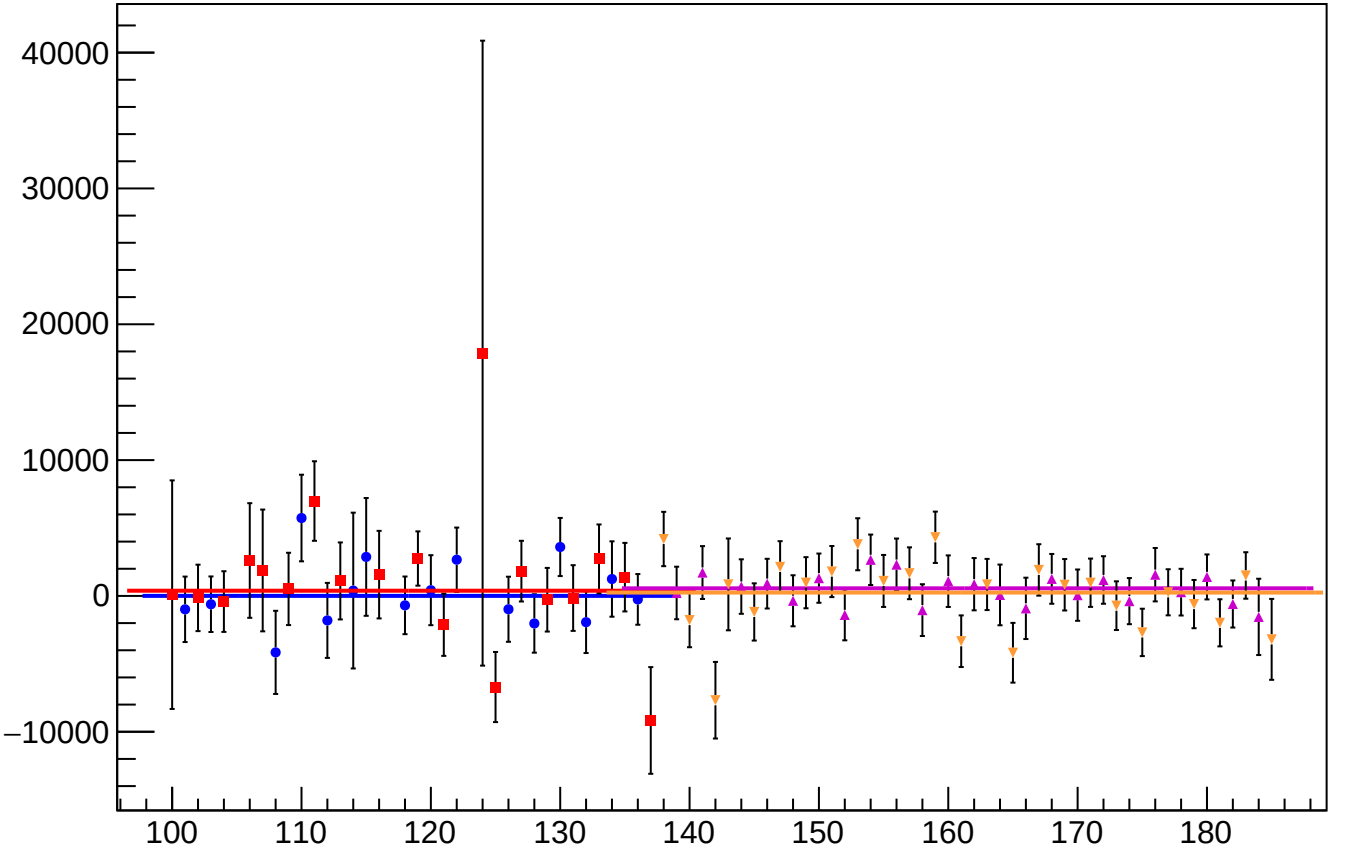
+ sign -0.000+/-0.000 χ^2/NDF: 29.3/40

All: 0.000+/-0.000 χ^2/NDF: 77.3/82

- sign 0.000+/-0.000 χ^2/NDF: 47.8/41


asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3942675.2/15
Left Out: 0.000+/-0.000 χ²/NDF:14888228.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4701757.7/18
Left In: 0.000+/-0.000 χ²/NDF:5919814.1/22
+ sign 0.000+/-0.000 χ²/NDF: 19853167.9/40
All: 0.000+/-0.000 χ²/NDF: 34468585.7/82
- sign 0.000+/-0.000 χ²/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: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

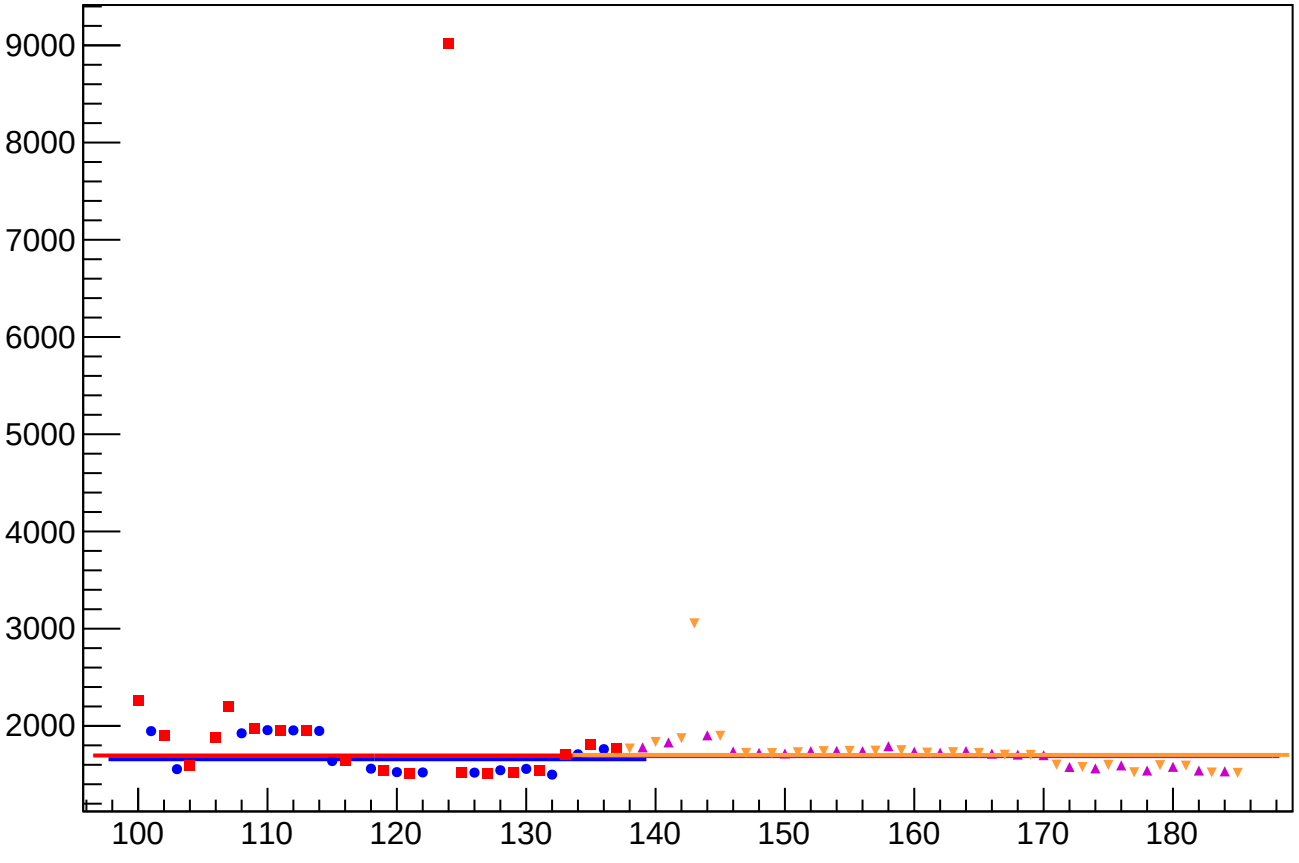
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 179.381+/-329.393 χ^2/NDF: 52.1/40

All: 342.225+/-234.969 χ^2/NDF: 84.3/82

- 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: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

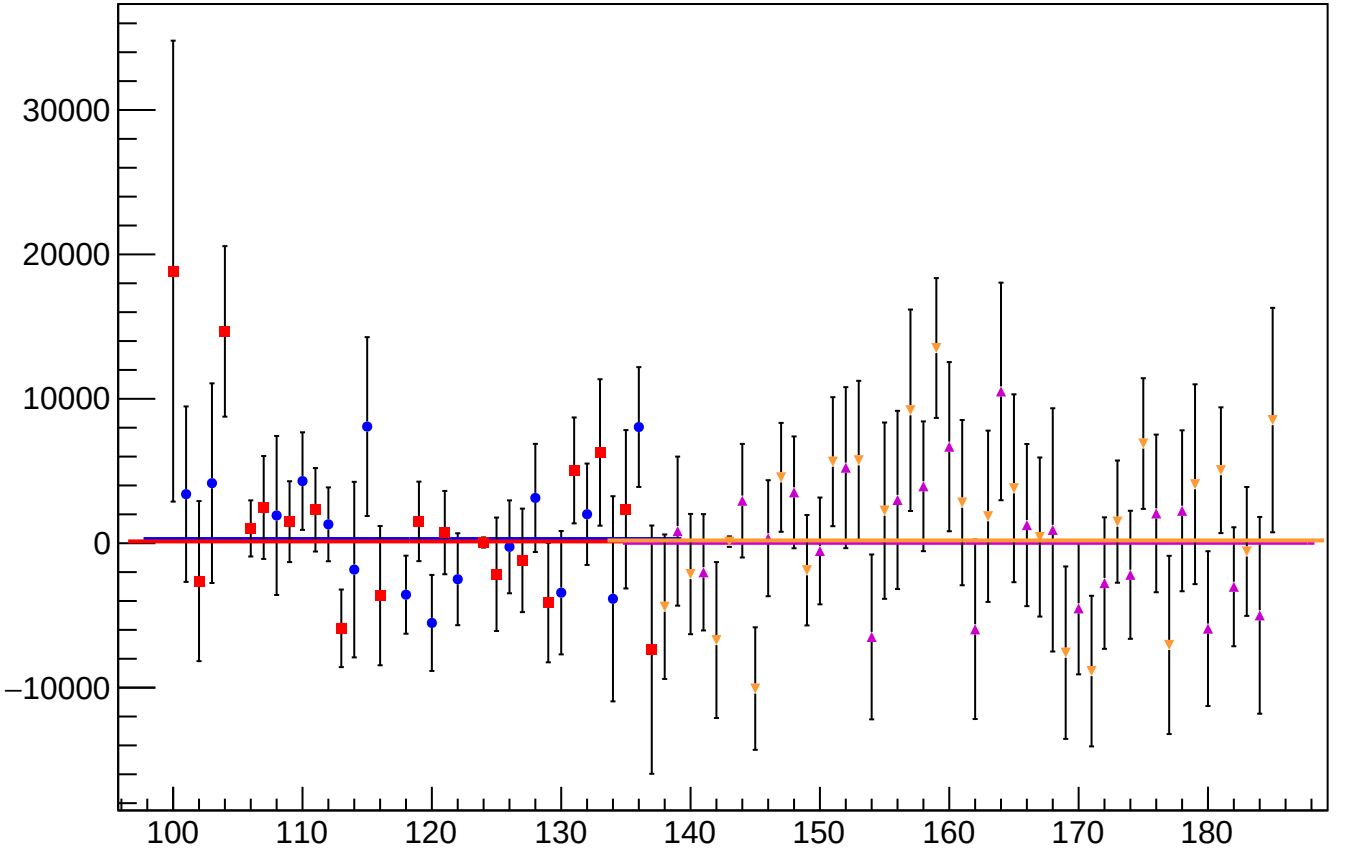
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1689.029+/-0.233 χ^2/NDF: 603745.7/40

All: 1690.027+/-0.166 χ^2/NDF: 1112464.7/82

- 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: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

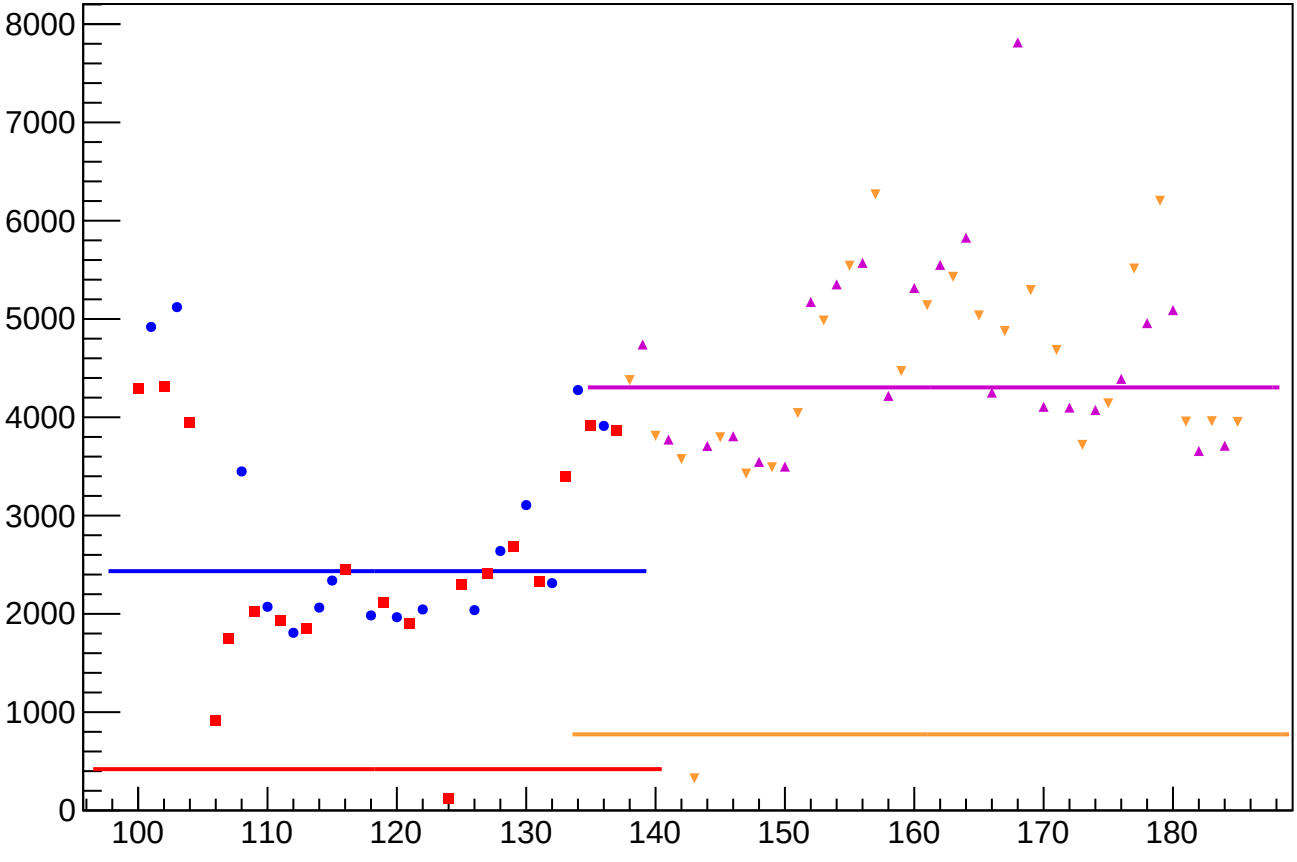
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 204.329+/-323.153 χ^2/NDF: 49.1/40

All: 158.568+/-223.218 χ^2/NDF: 83.3/82

- 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: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

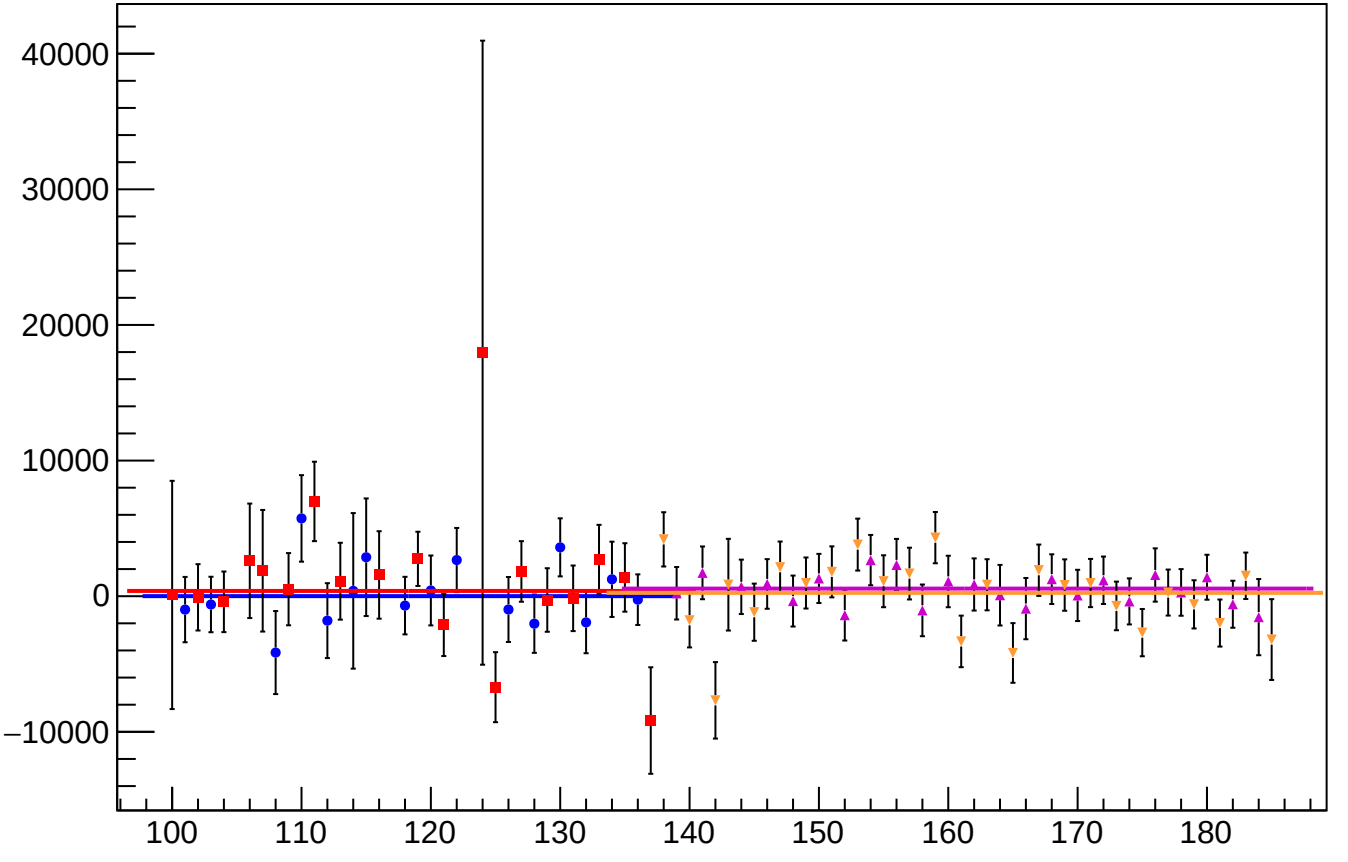
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 961.951+/-0.229 χ^2/NDF: 34837736.8/40

All: 862.751+/-0.158 χ^2/NDF: 73565220.9/82

- sign 772.228+/-0.218 χ^2/NDF: 38367035.7/41

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

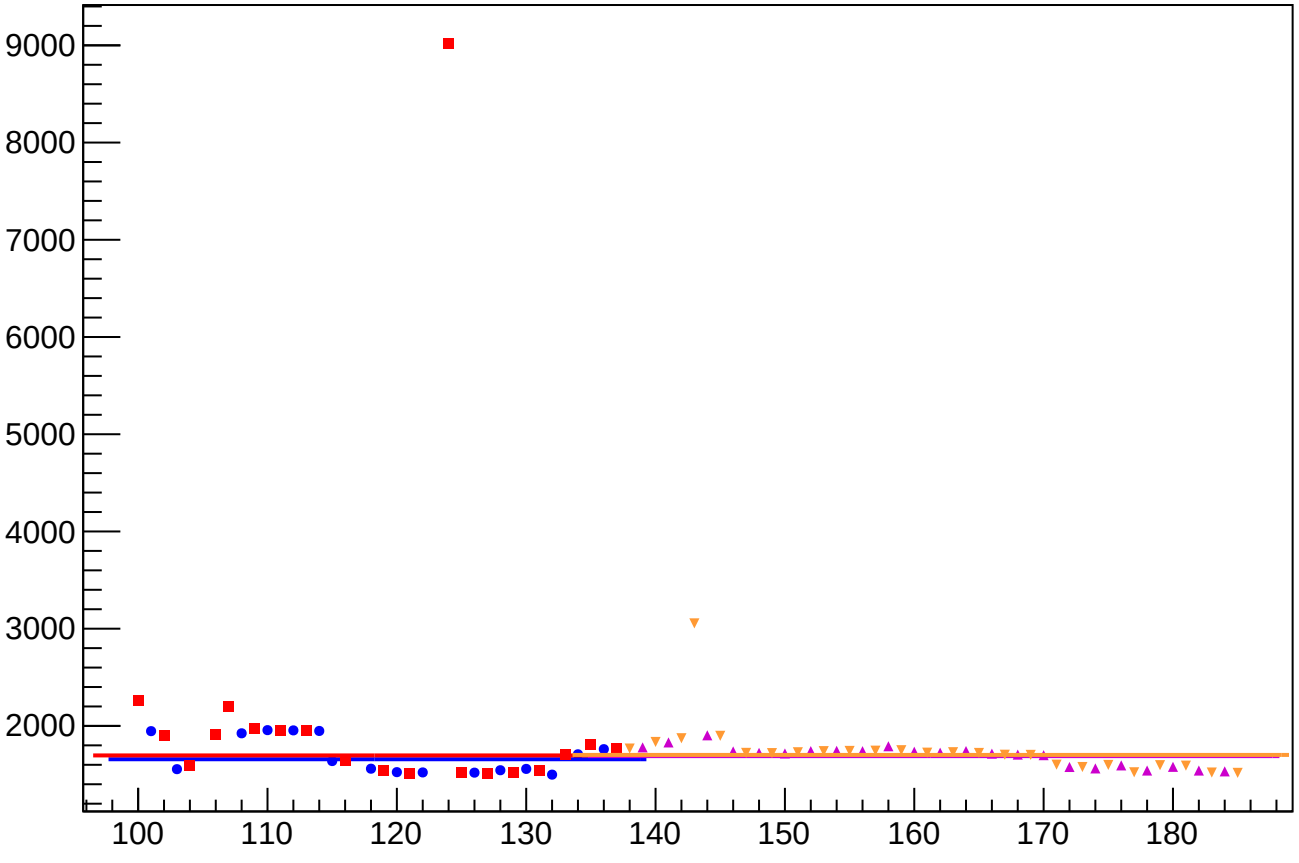
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 179.347+/-329.393 χ^2/NDF: 52.1/40

All: 342.786+/-234.969 χ^2/NDF: 84.3/82

- 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: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

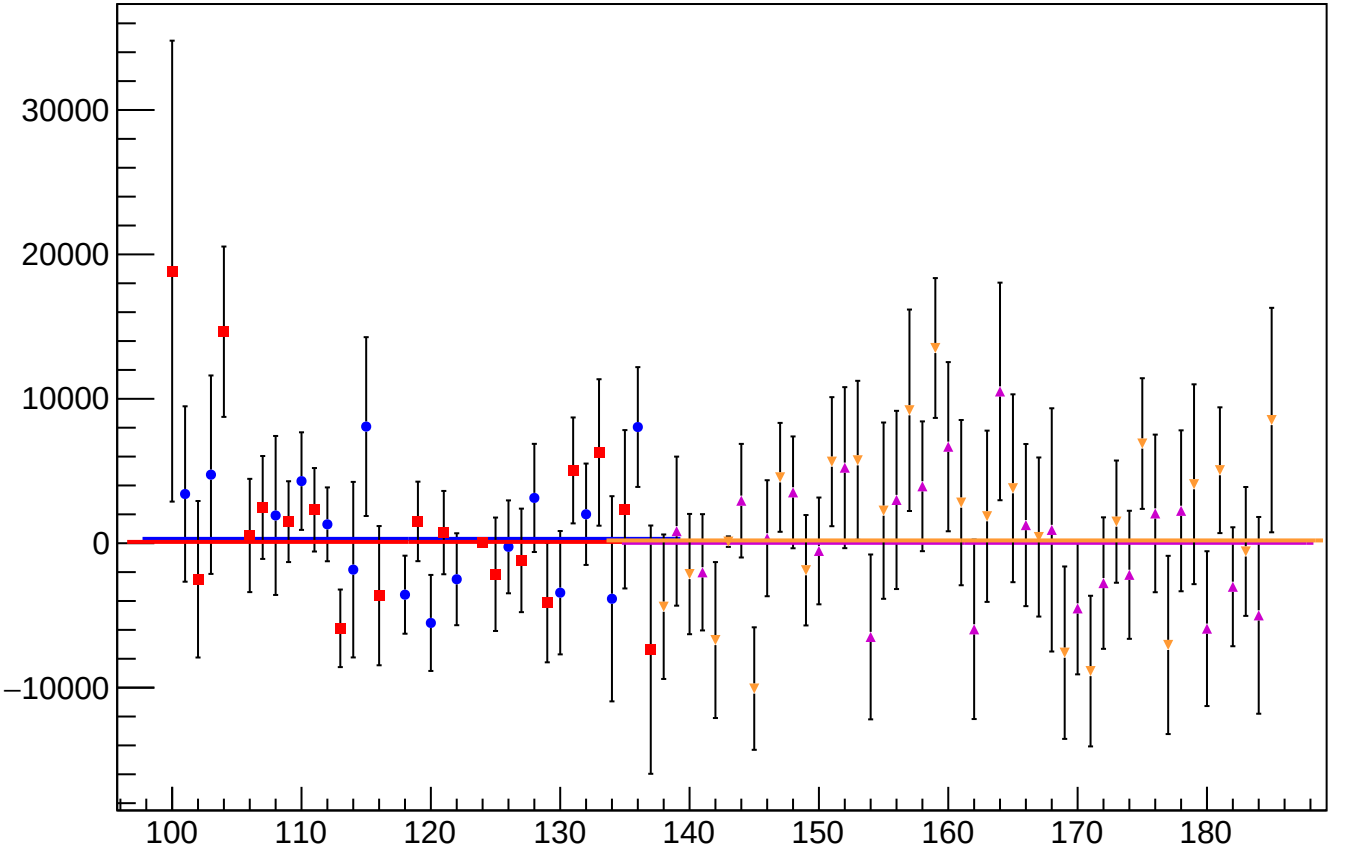
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1689.029+/-0.233 χ^2/NDF: 603745.8/40

All: 1690.137+/-0.166 χ^2/NDF: 1114270.3/82

- 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: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

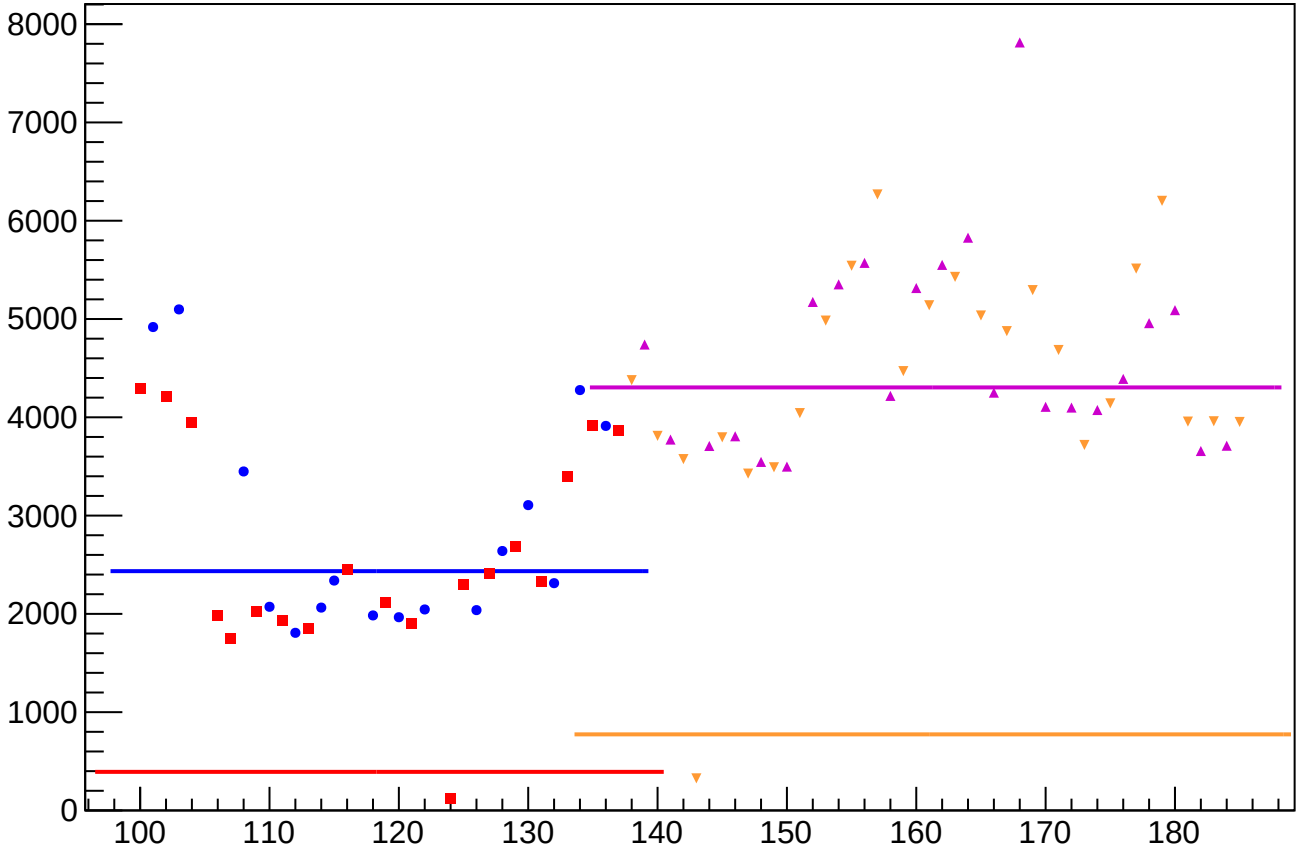
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 206.118+/-323.128 χ^2/NDF: 49.2/40

All: 142.358+/-220.550 χ^2/NDF: 83.2/82

- 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: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

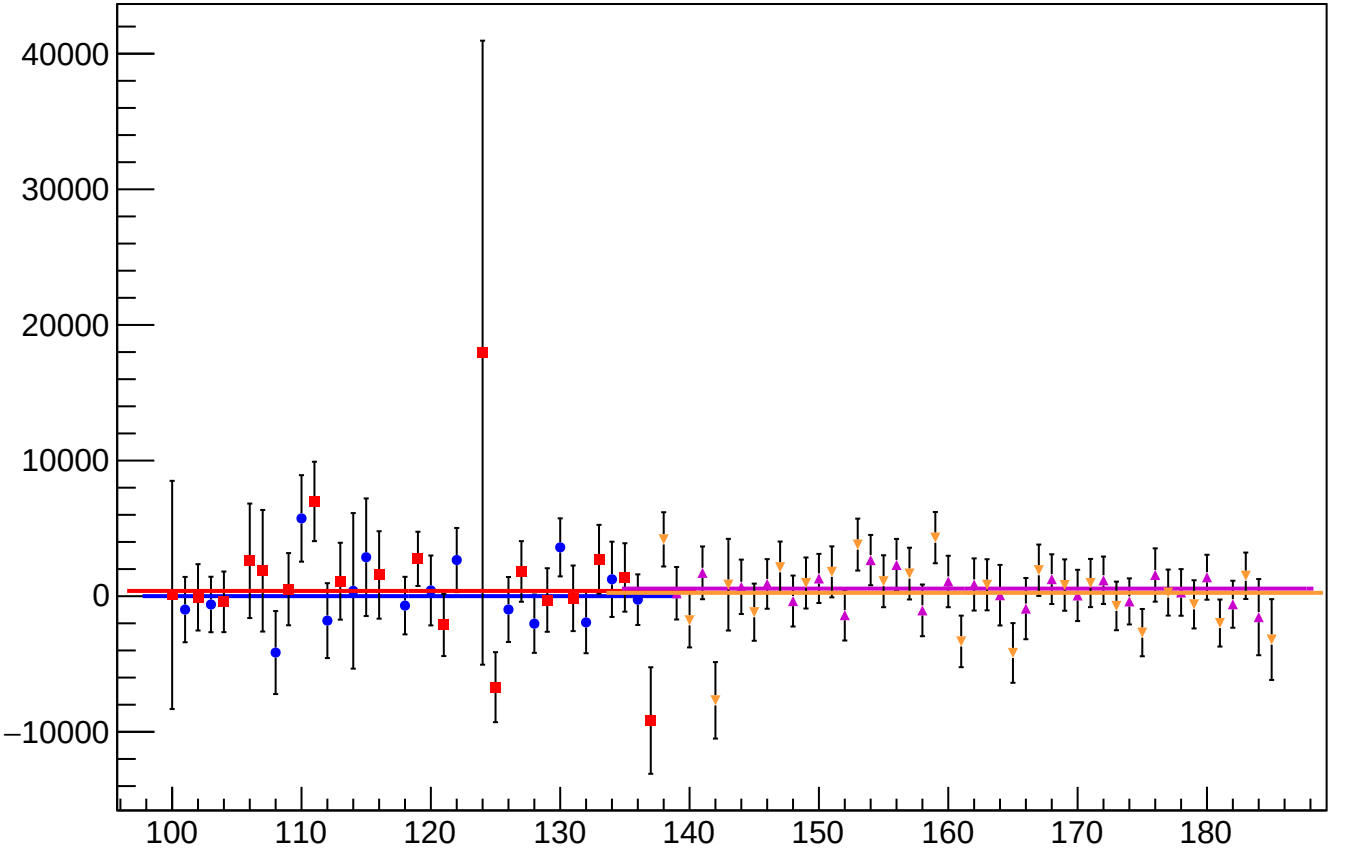
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 961.908+/-0.228 χ^2/NDF: 34839774.1/40

All: 838.778+/-0.156 χ^2/NDF: 74583917.5/82

- 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: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

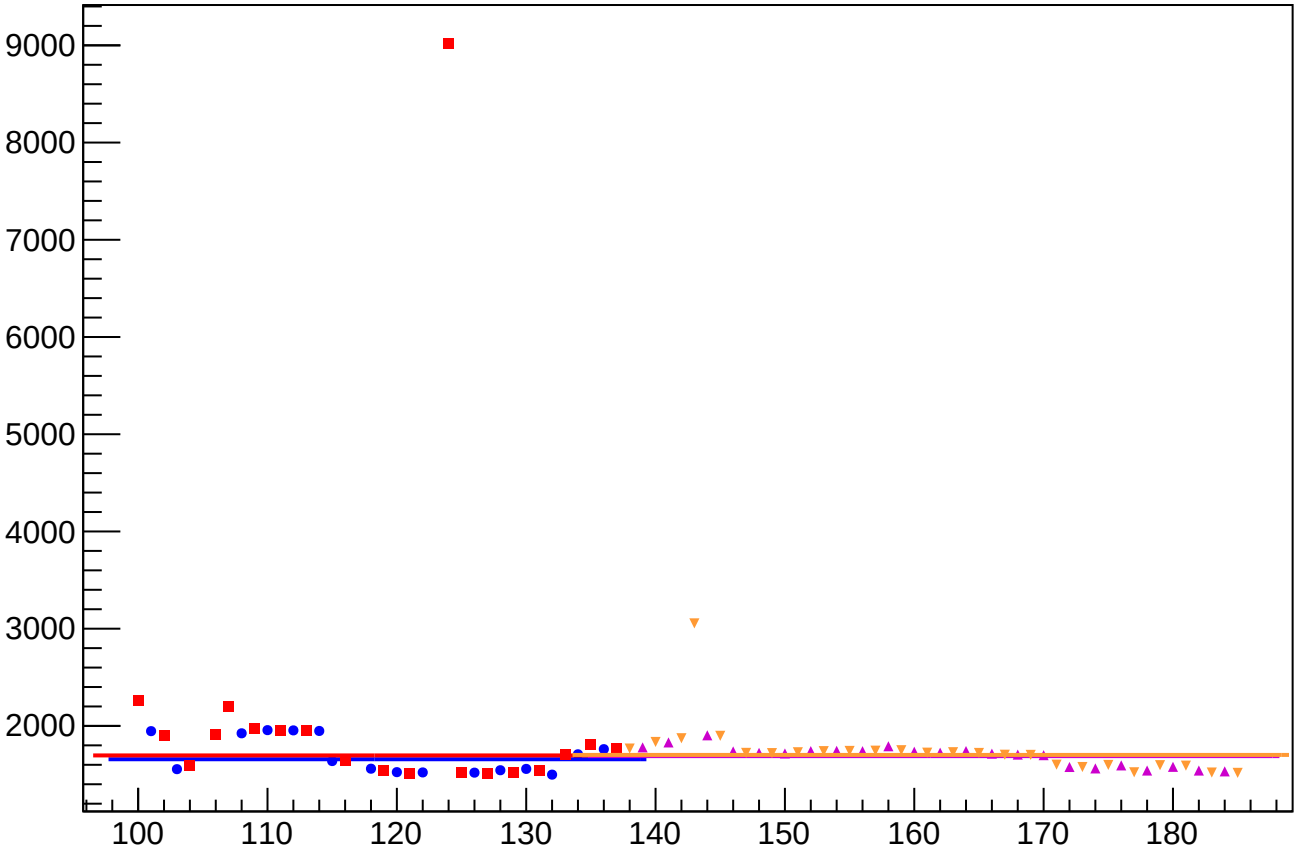
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 179.347+/-329.393 χ^2/NDF: 52.1/40

All: 342.786+/-234.969 χ^2/NDF: 84.3/82

- 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: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

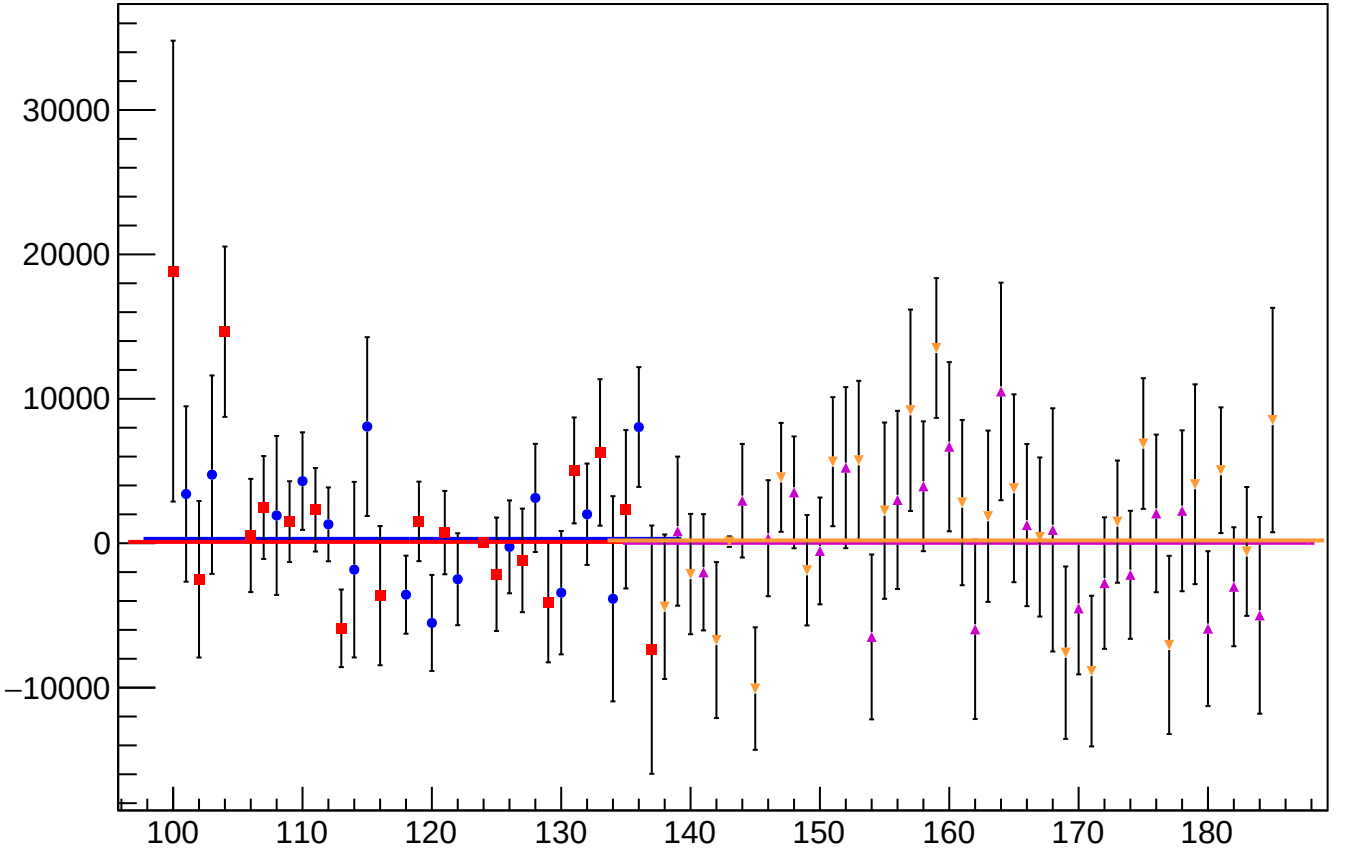
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1689.029+/-0.233 χ^2/NDF: 603745.8/40

All: 1690.137+/-0.166 χ^2/NDF: 1114270.3/82

- 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: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

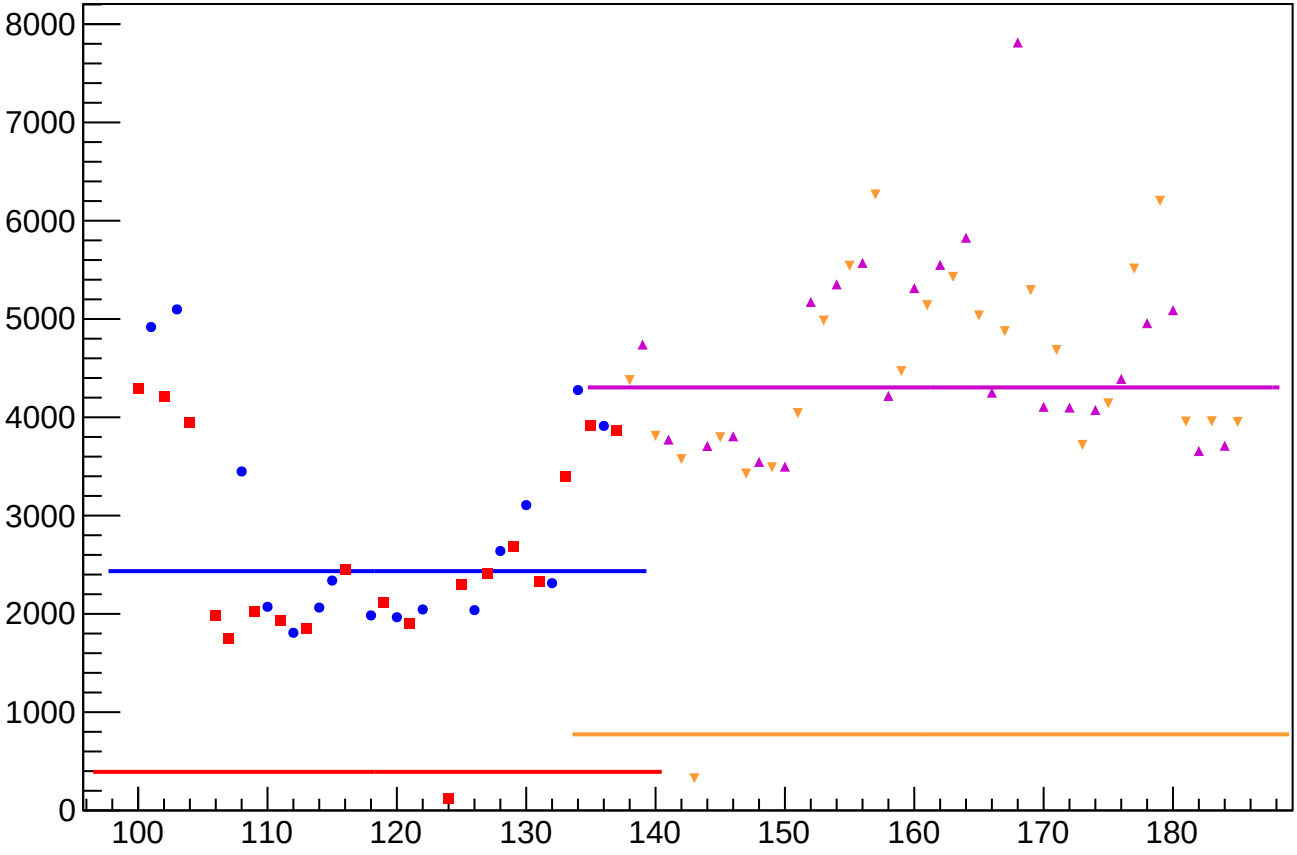
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 206.118+/-323.128 χ^2/NDF: 49.2/40

All: 142.358+/-220.550 χ^2/NDF: 83.2/82

- 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: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

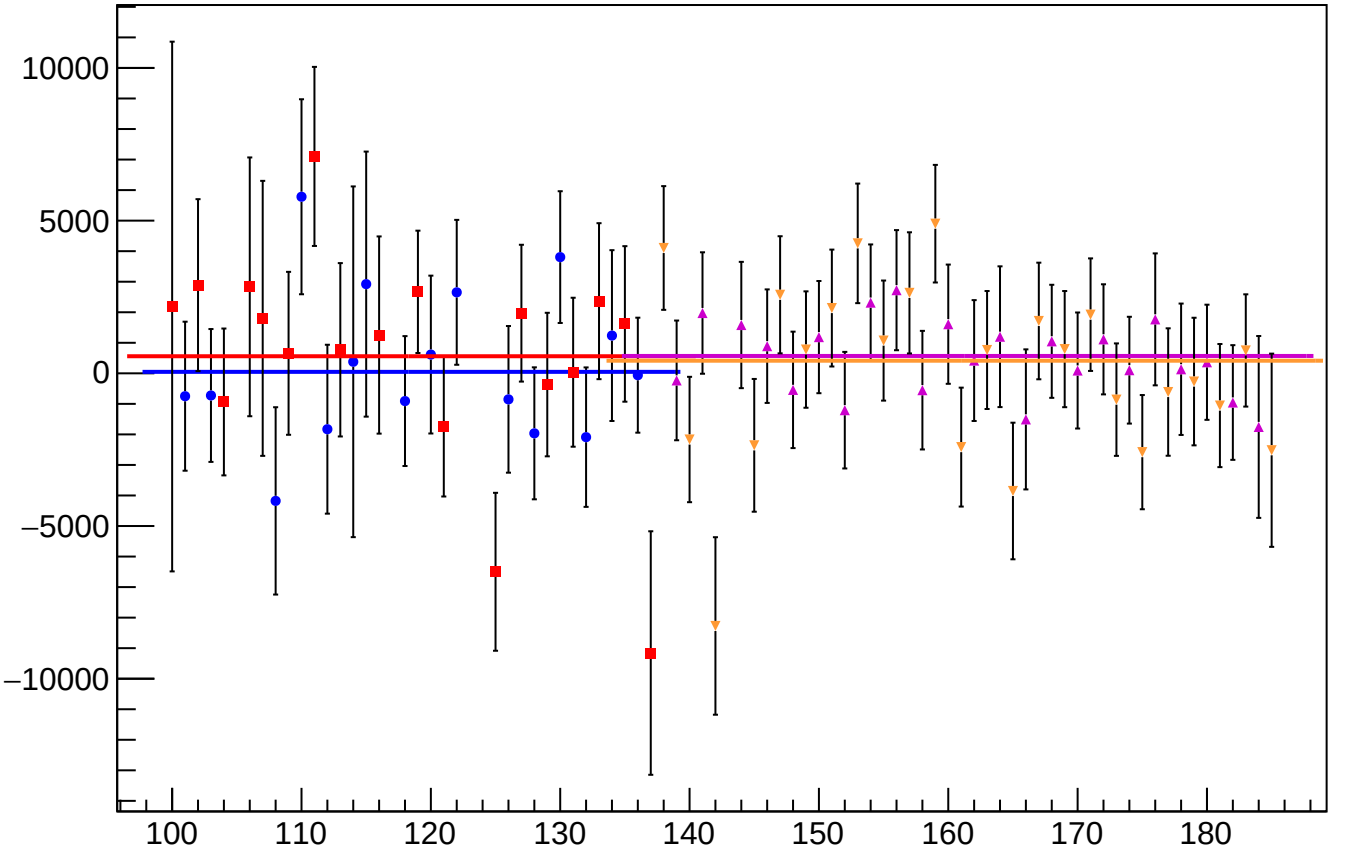
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 961.908+/-0.228 χ^2/NDF: 34839774.1/40

All: 838.778+/-0.156 χ^2/NDF: 74583917.5/82

- sign 731.384+/-0.213 χ^2/NDF: 39200442.9/41

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

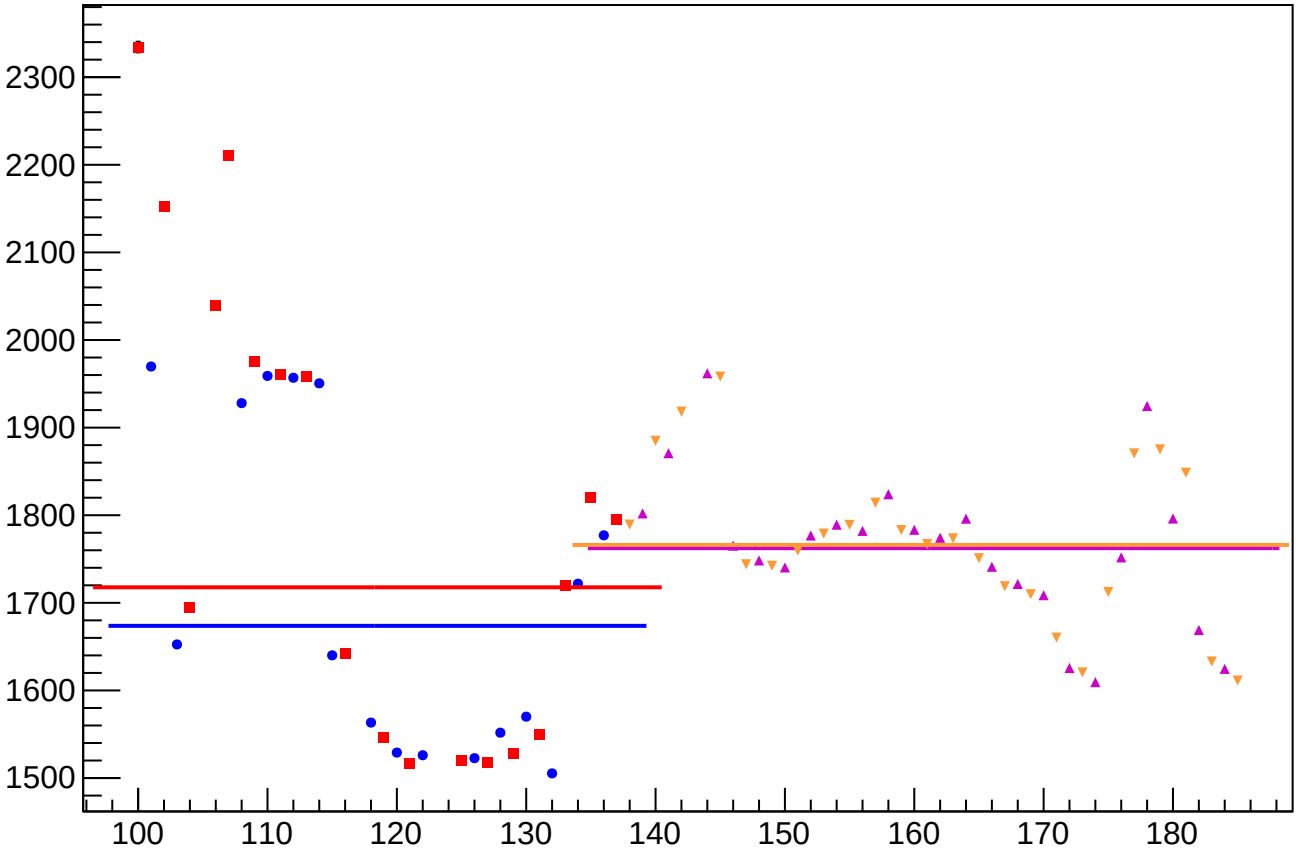
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 303.583+/-343.322 χ^2/NDF: 53.0/39

All: 433.359+/-244.155 χ^2/NDF: 84.3/80

- 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: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

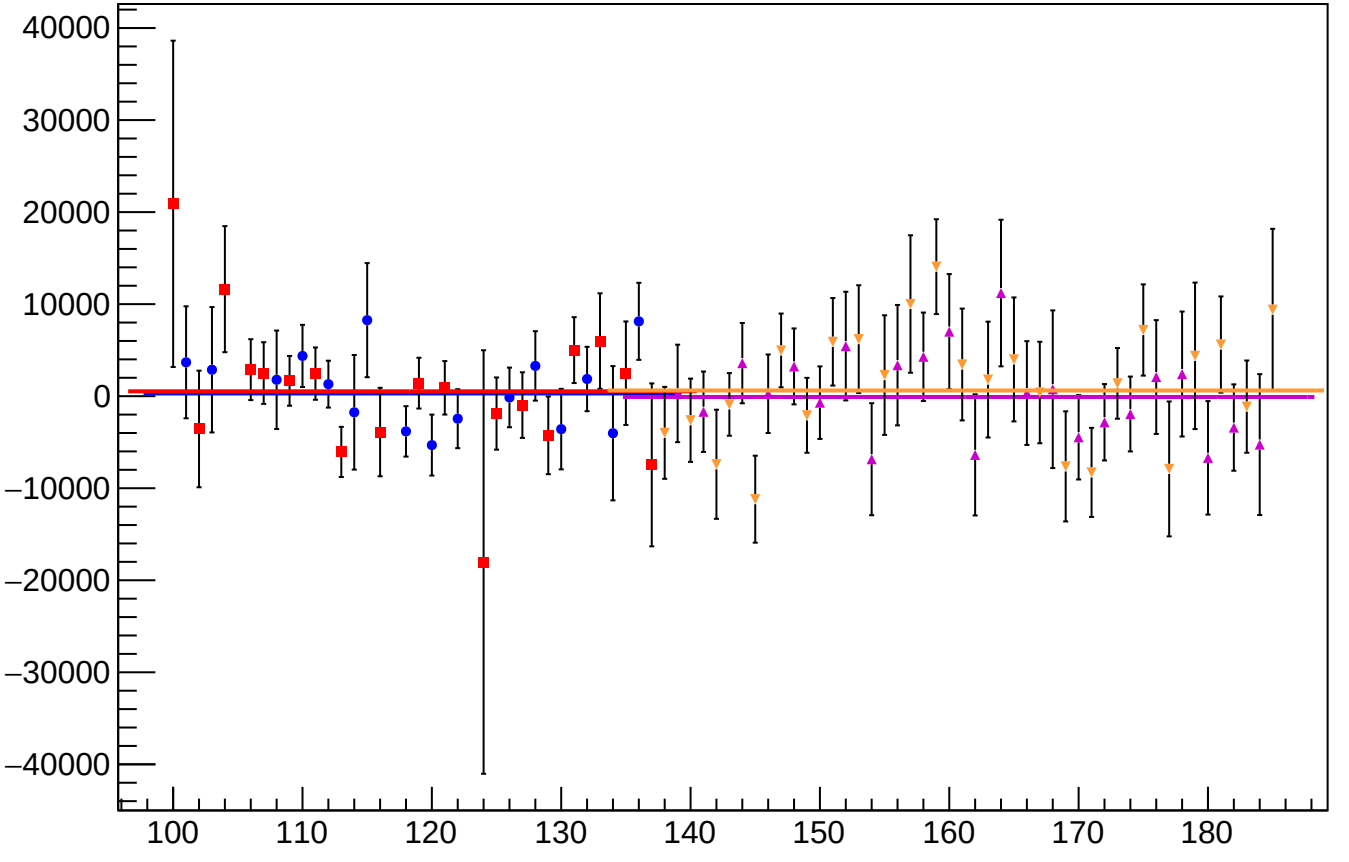
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

\+ sign 1738.340+/-0.243 χ^2/NDF: 254575.7/39

All: 1743.819+/-0.173 χ^2/NDF: 570175.4/80

\- 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: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

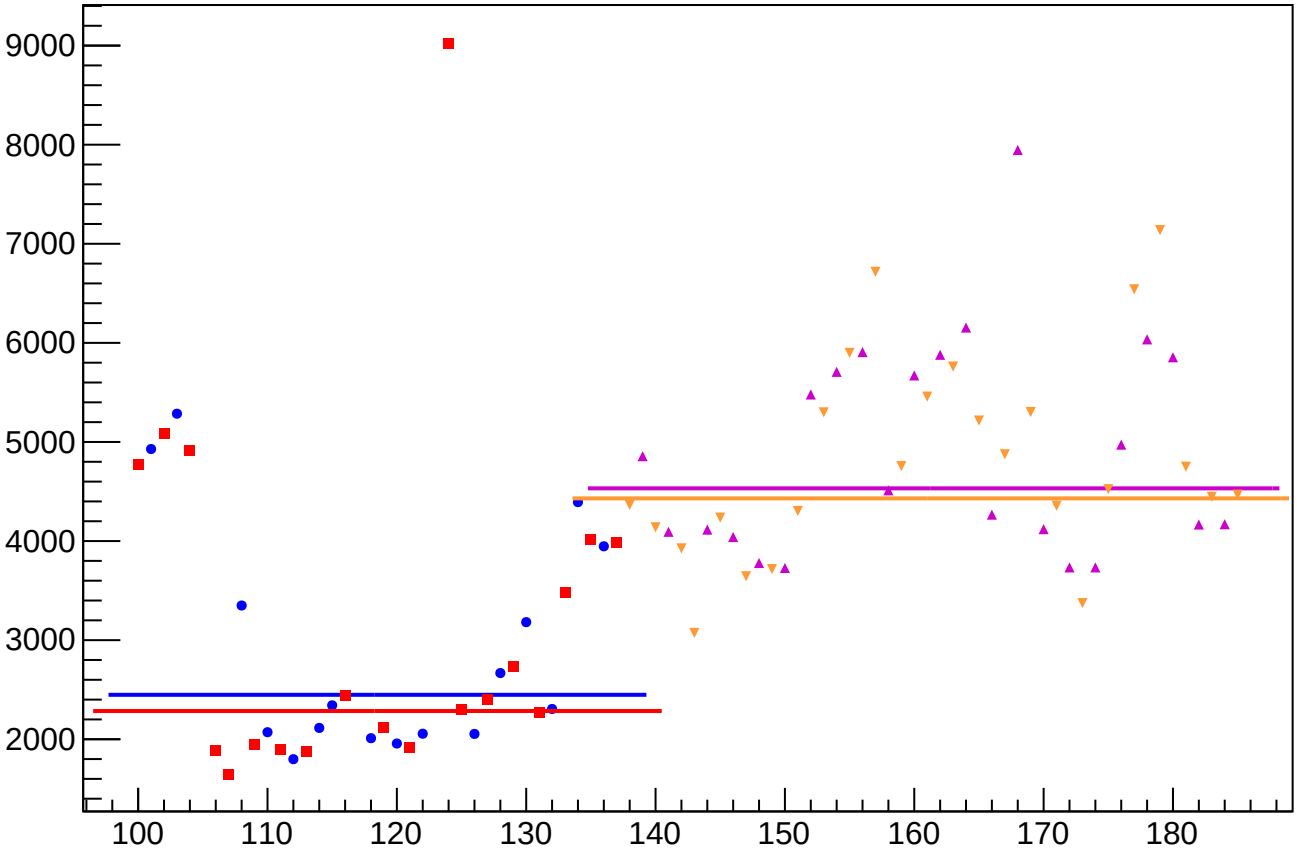
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

\+ sign 446.791+/-705.574 χ^2/NDF: 48.4/40

All: 363.138+/-491.365 χ^2/NDF: 80.3/82

\- 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: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

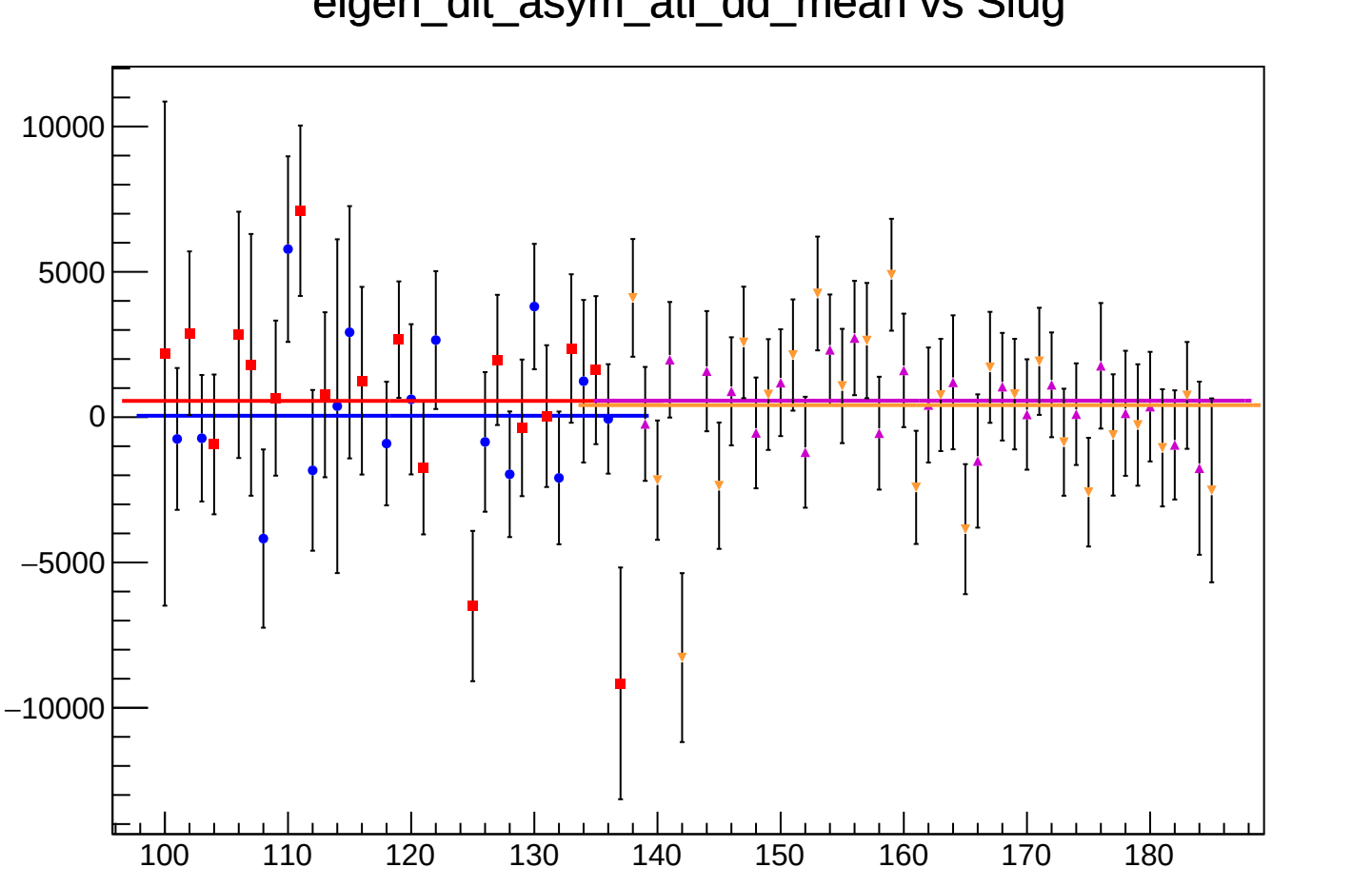
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3370.401+/-0.499 χ^2/NDF: 7057771.4/40

All: 3274.375+/-0.347 χ^2/NDF: 15224311.9/8

- 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: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

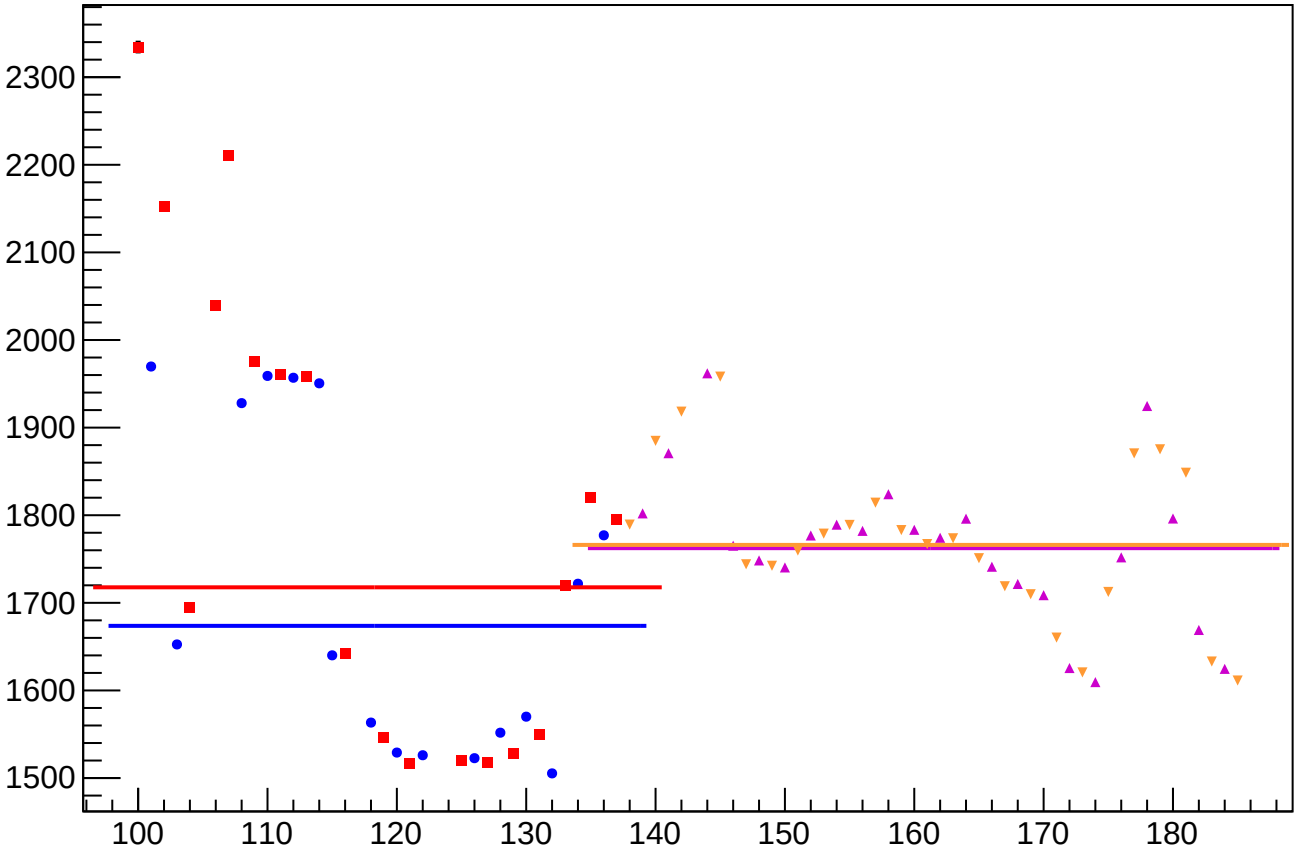
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 303.583+/-343.322 χ^2/NDF: 53.0/39

All: 433.359+/-244.155 χ^2/NDF: 84.3/80

- 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: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

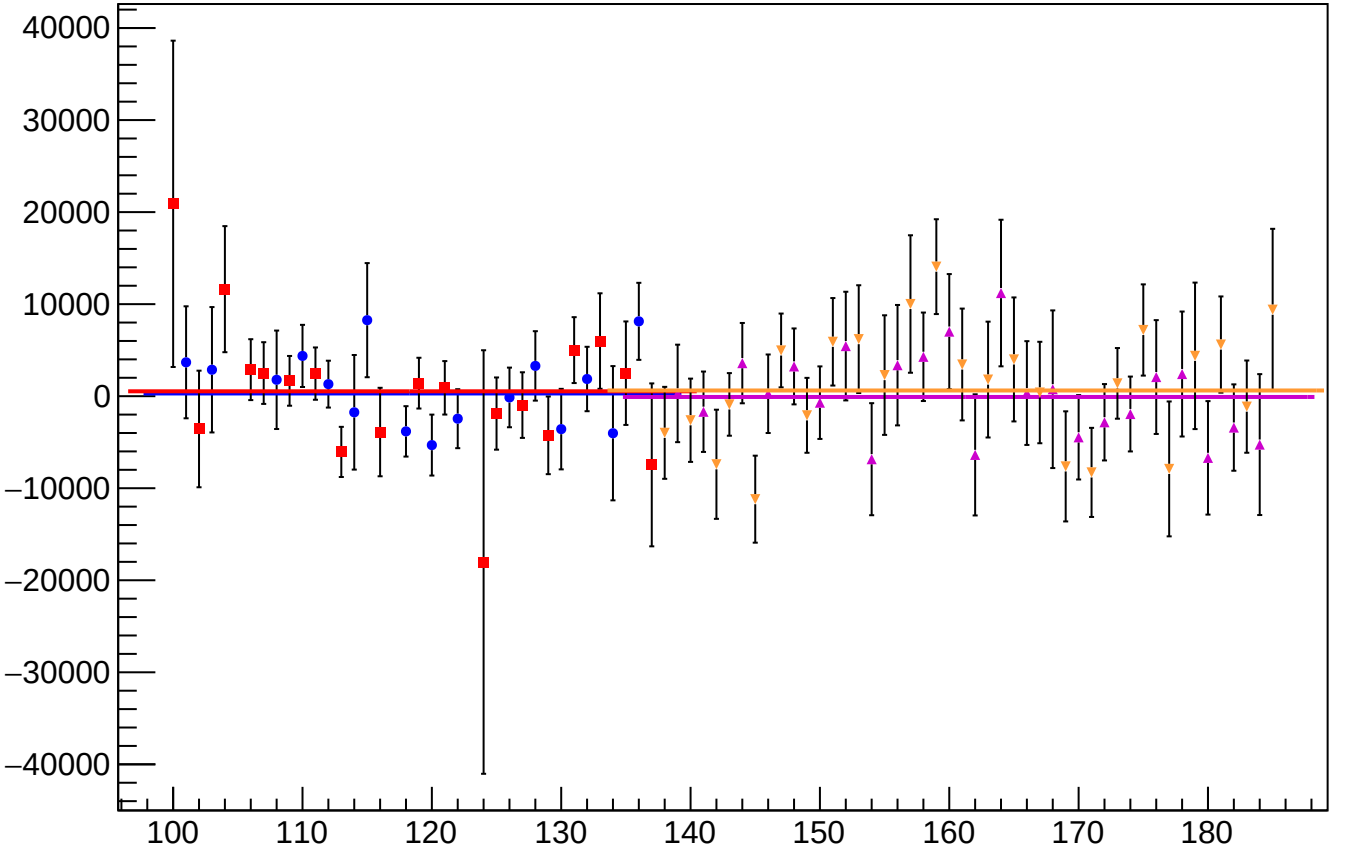
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1738.341+/-0.243 χ^2/NDF: 254579.5/39

All: 1743.820+/-0.173 χ^2/NDF: 570181.5/80

- 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: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

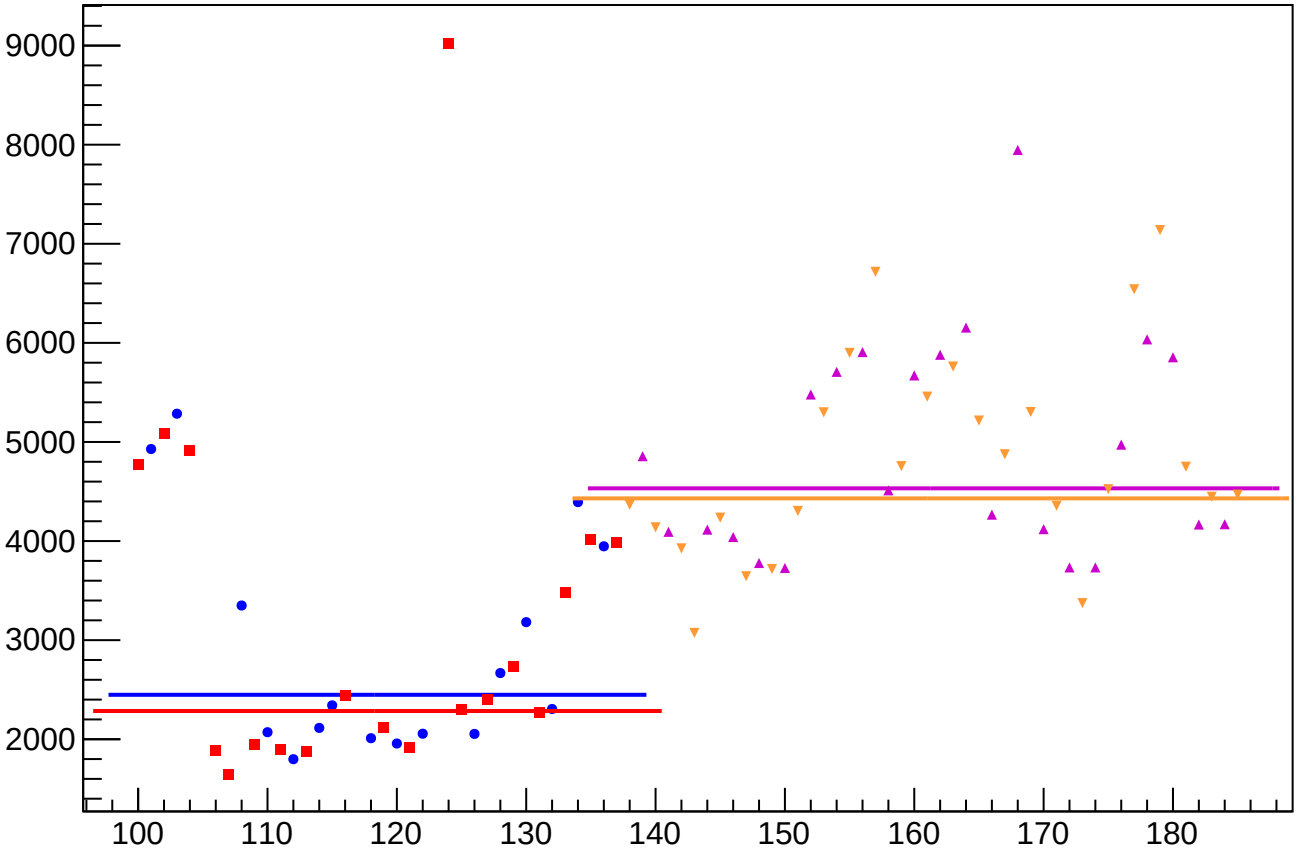
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 446.789+/-705.573 χ^2/NDF: 48.4/40

All: 363.138+/-491.364 χ^2/NDF: 80.3/82

- 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: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

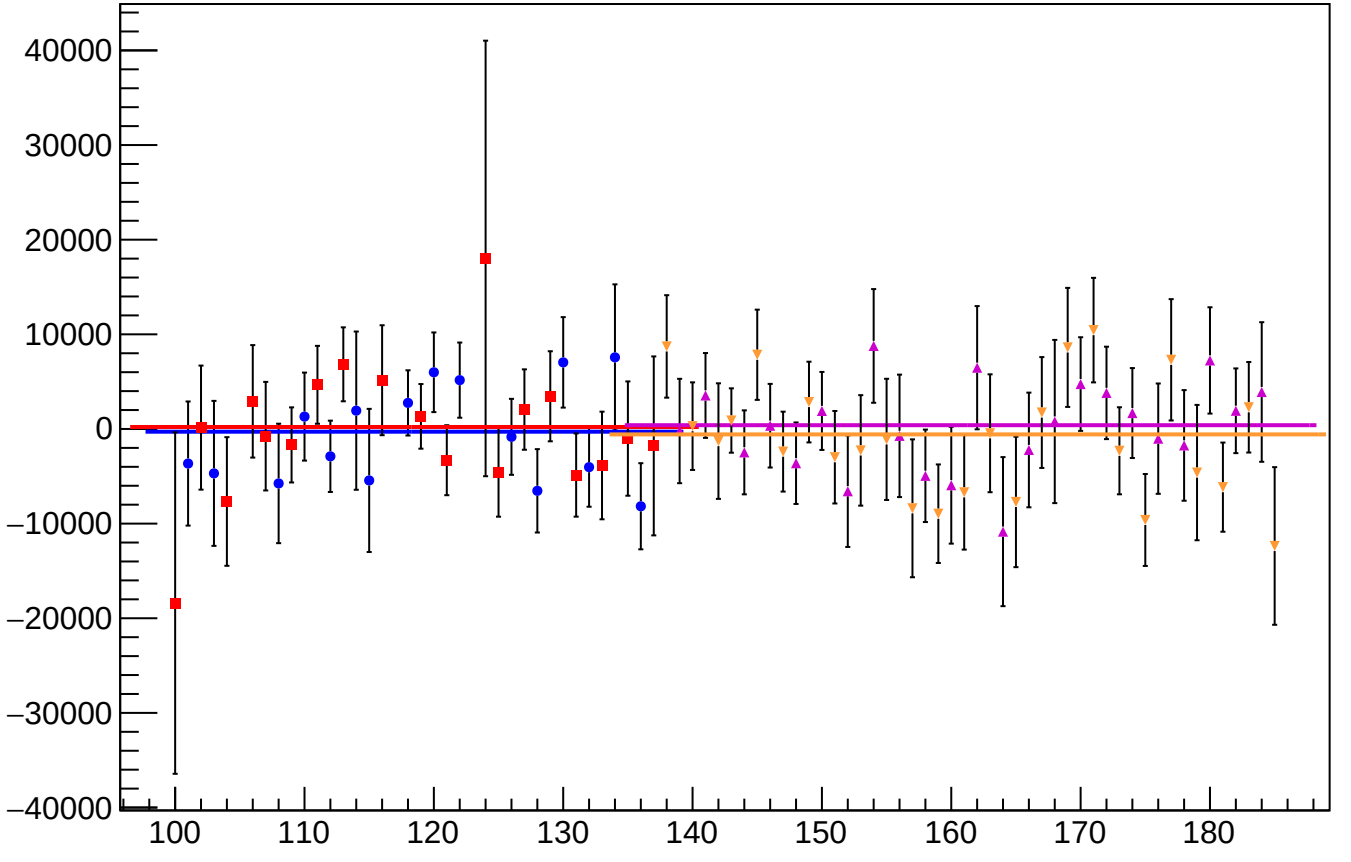
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3370.393+/-0.499 χ^2/NDF: 7057864.1/40

All: 3274.367+/-0.347 χ^2/NDF: 15224491.2/8

- sign 3183.942+/-0.484 χ^2/NDF: 8094698.6/41

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

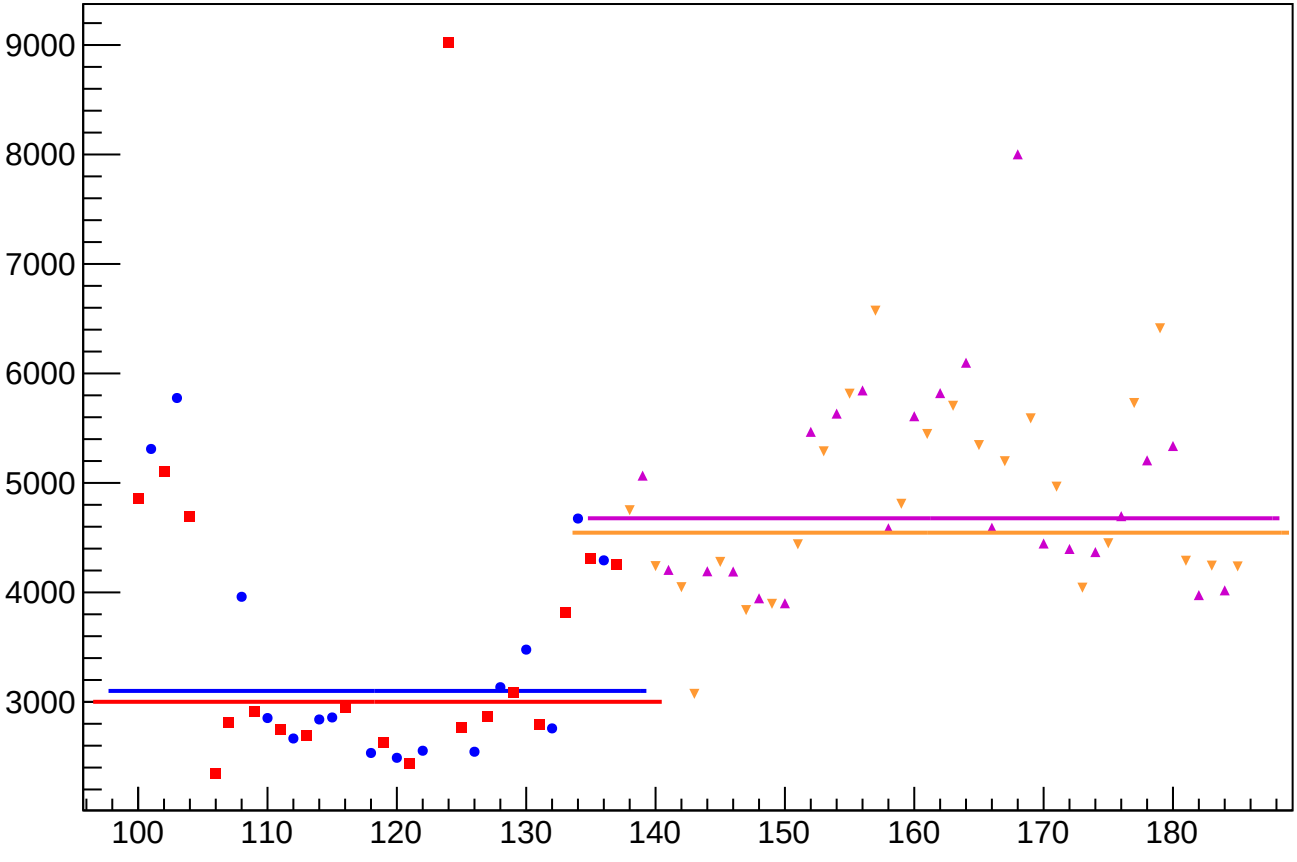
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -448.213+/-791.493 χ^2/NDF: 45.4/40

All: -74.196+/-562.554 χ^2/NDF: 72.7/82

- 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: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

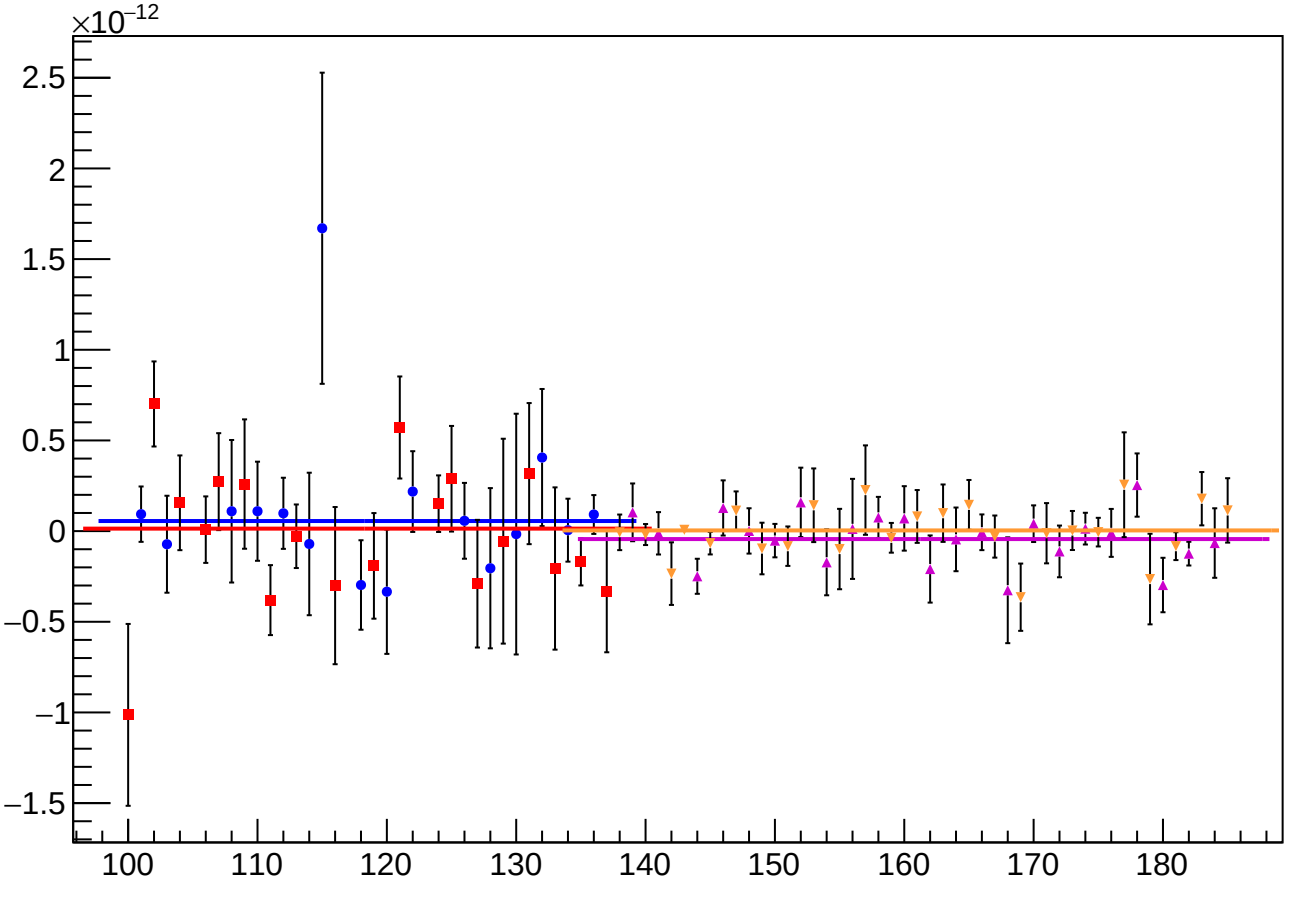
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 3913.901+/-0.560 χ^2/NDF: 3863060.6/40

All: 3887.193+/-0.396 χ^2/NDF: 7858617.3/82

- sign 3860.284+/-0.562 χ^2/NDF: 3990985.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

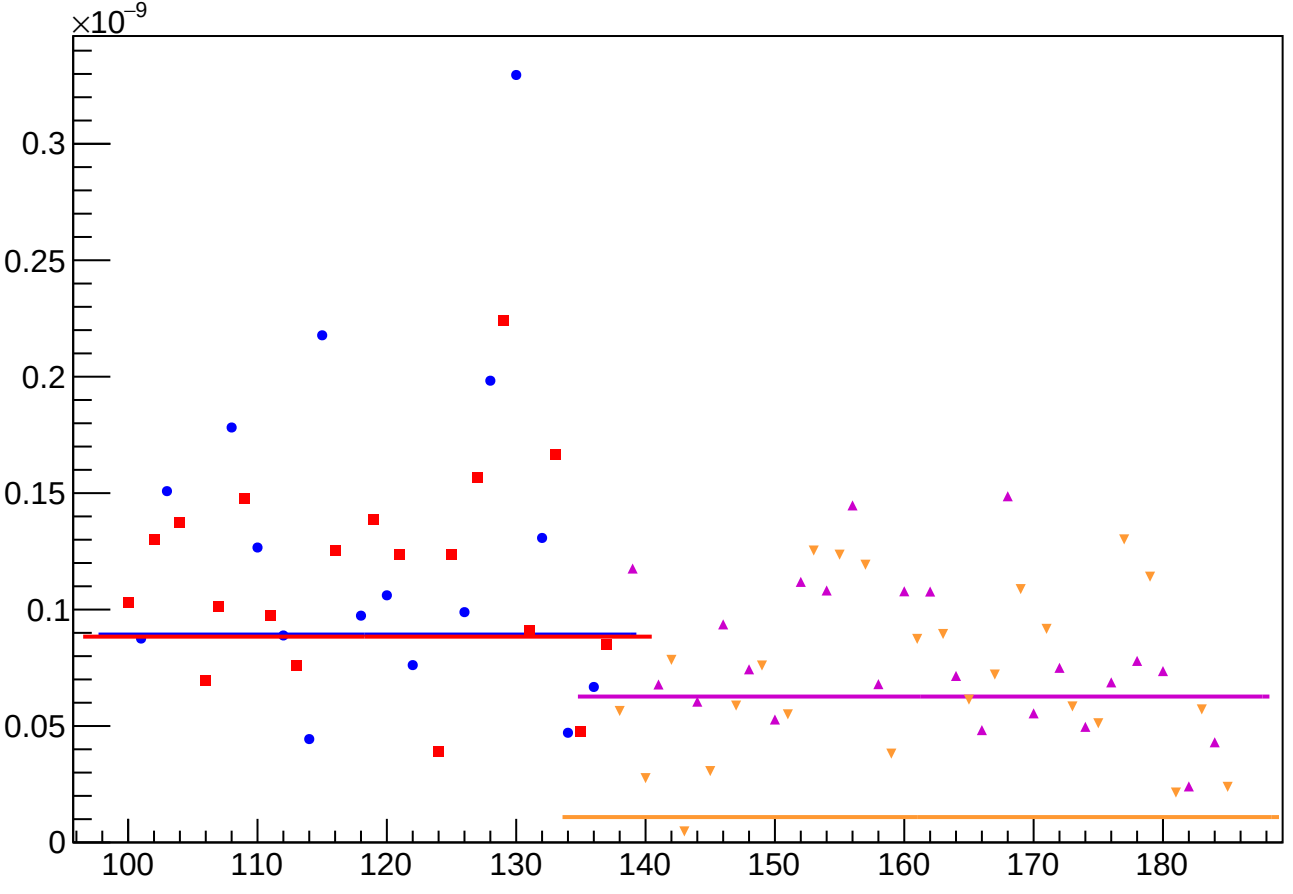
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/40

All: 0.000+/-0.000 χ^2/NDF: 82.2/82

- sign -0.000+/-0.000 χ^2/NDF: 51.5/41

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

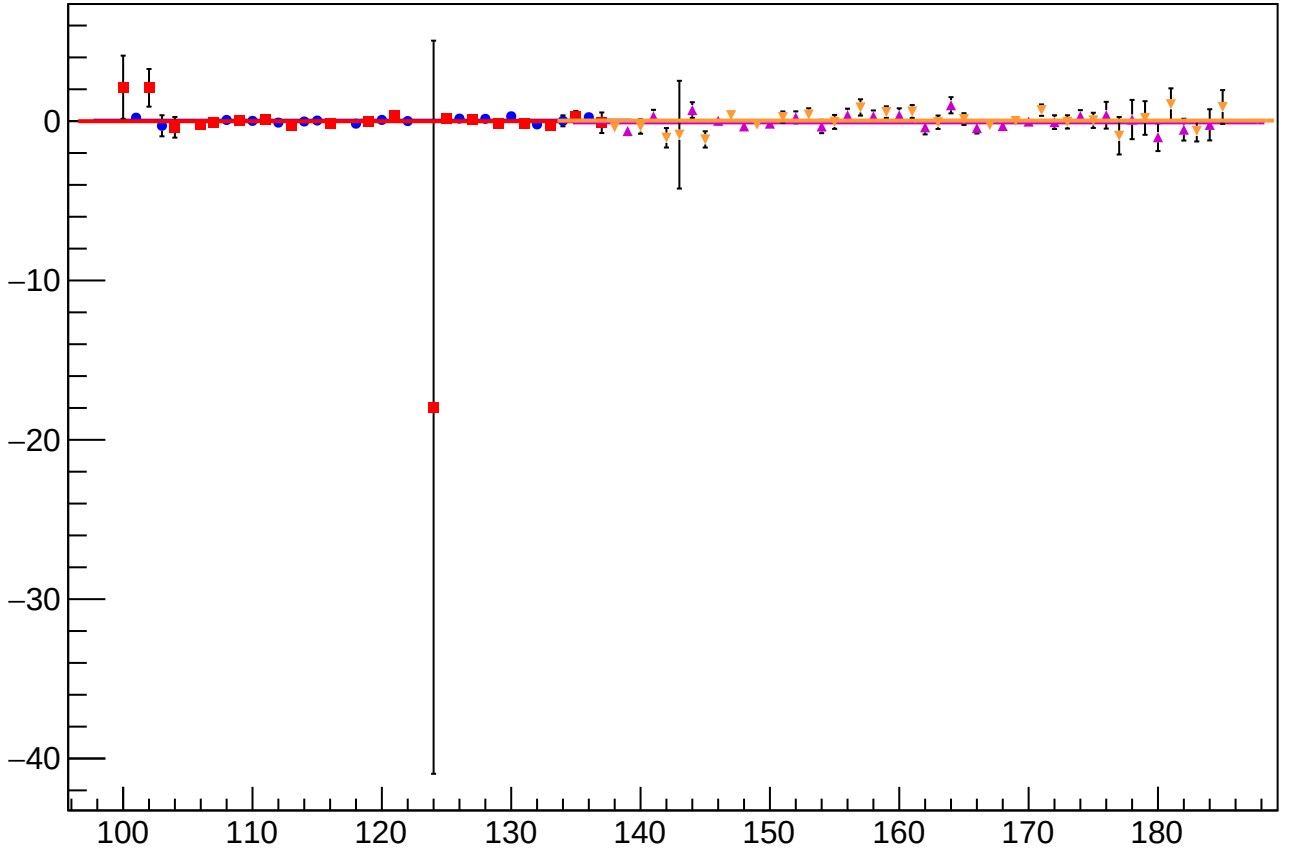
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14423909.6/40

All: 0.000+/-0.000 χ^2/NDF: 27457264.7/82

- sign 0.000+/-0.000 χ^2/NDF: 3455215.9/41

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

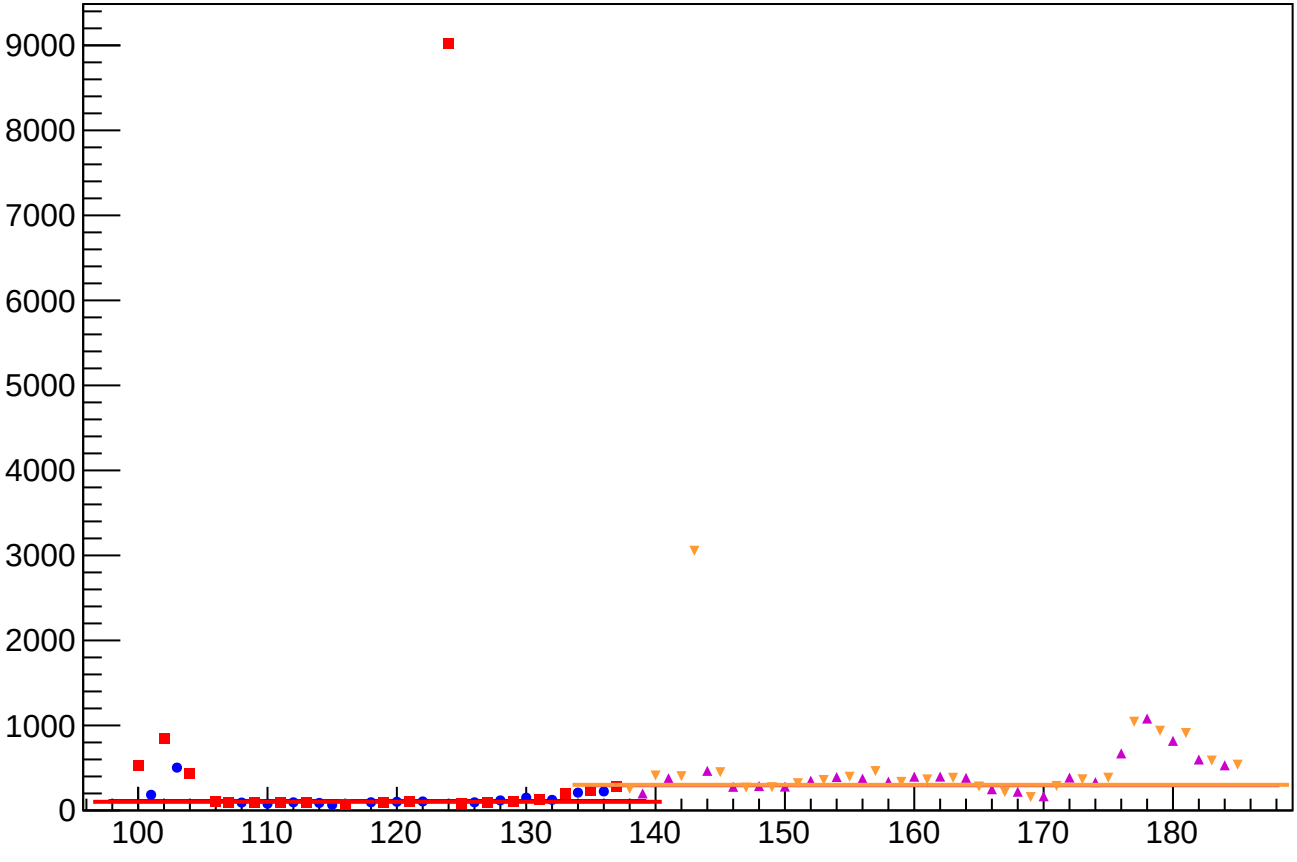
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.030+/-0.039 χ^2/NDF: 38.5/40

All: 0.003+/-0.027 χ^2/NDF: 86.7/82

- sign -0.022+/-0.038 χ^2/NDF: 47.2/41

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

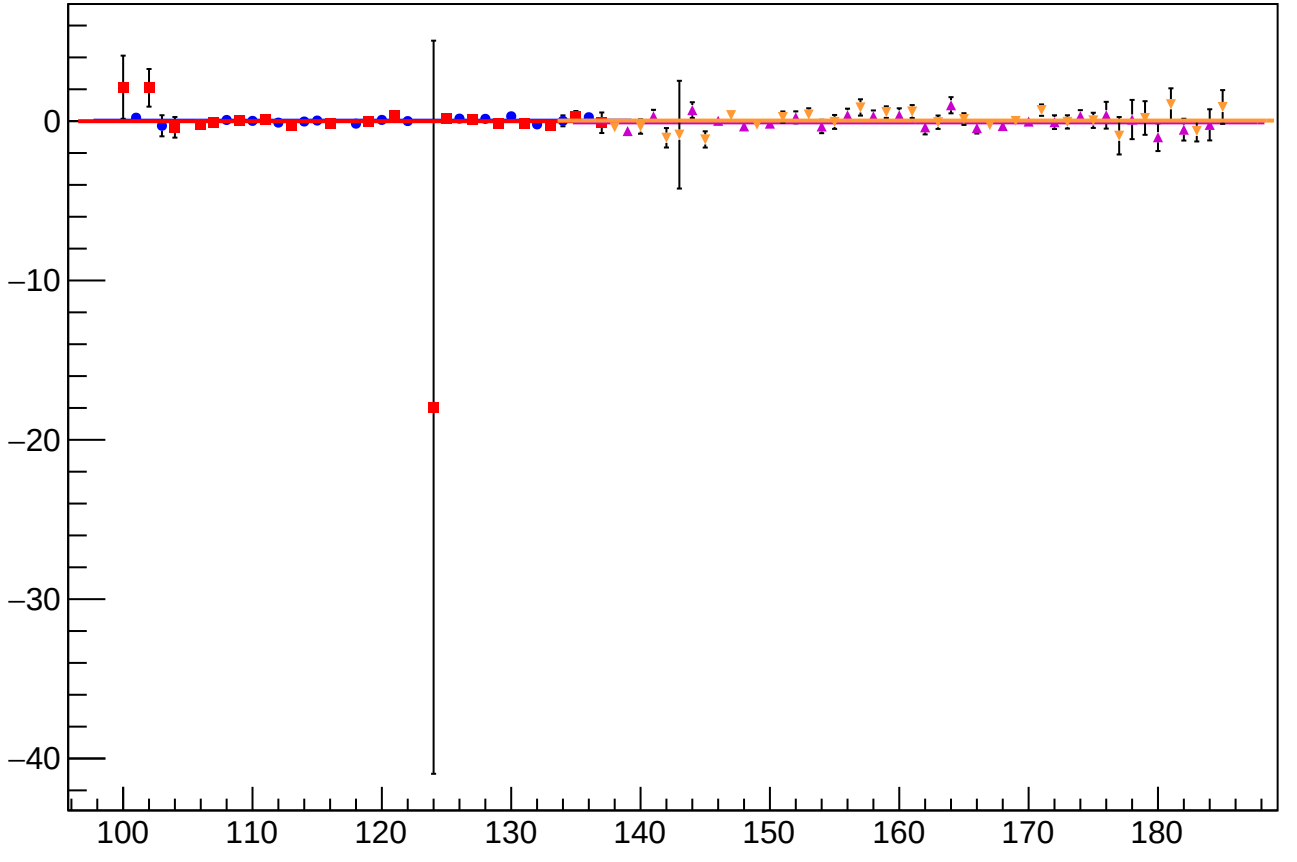
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.355+/-0.028 χ^2/NDF: 17849507.3/40

All: 154.513+/-0.019 χ^2/NDF: 35402754.9/82

- sign 150.012+/-0.027 χ^2/NDF: 17493864.9/41

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

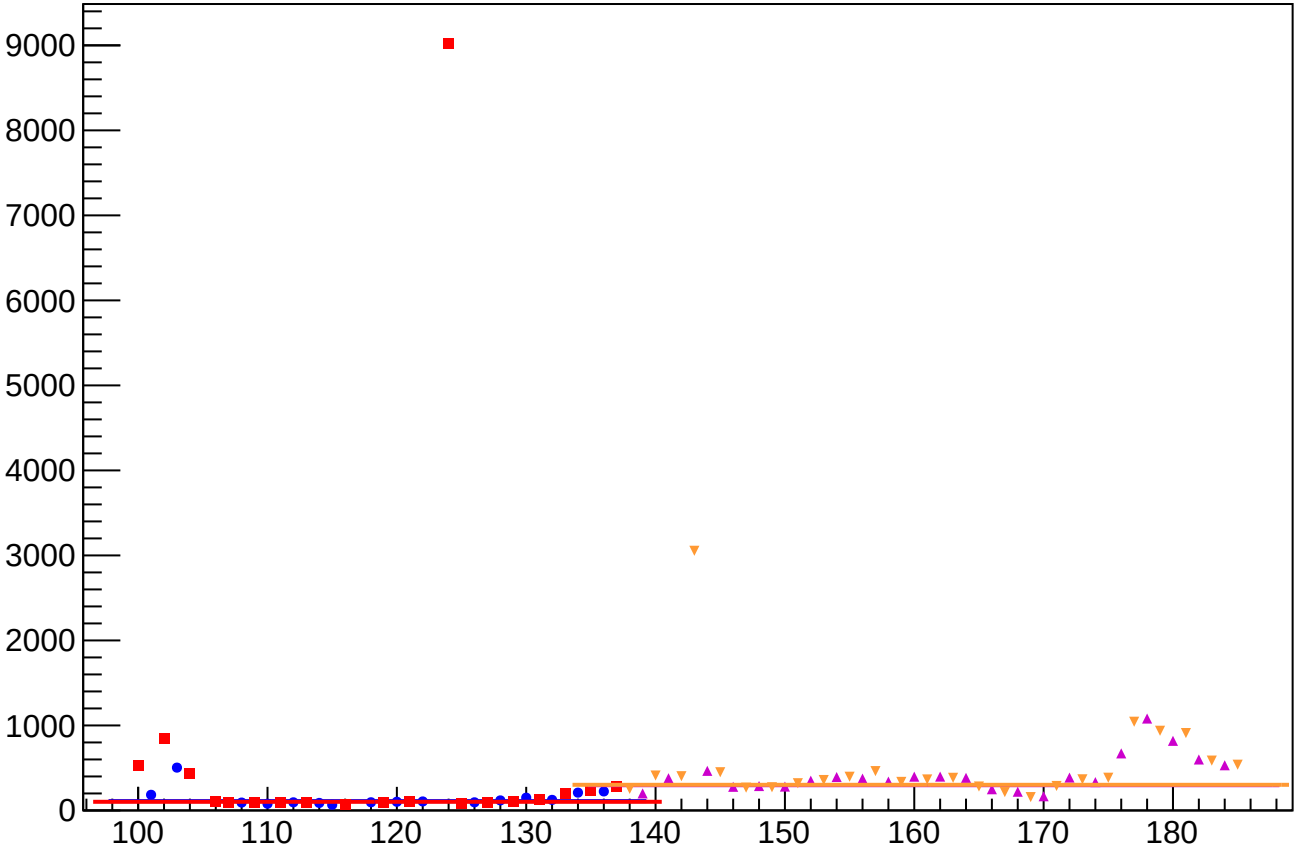
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.030+/-0.039 χ^2/NDF: 38.5/40

All: 0.003+/-0.027 χ^2/NDF: 86.7/82

- 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: 301.735+/-0.054 χ^2/NDF:6693517.2/24

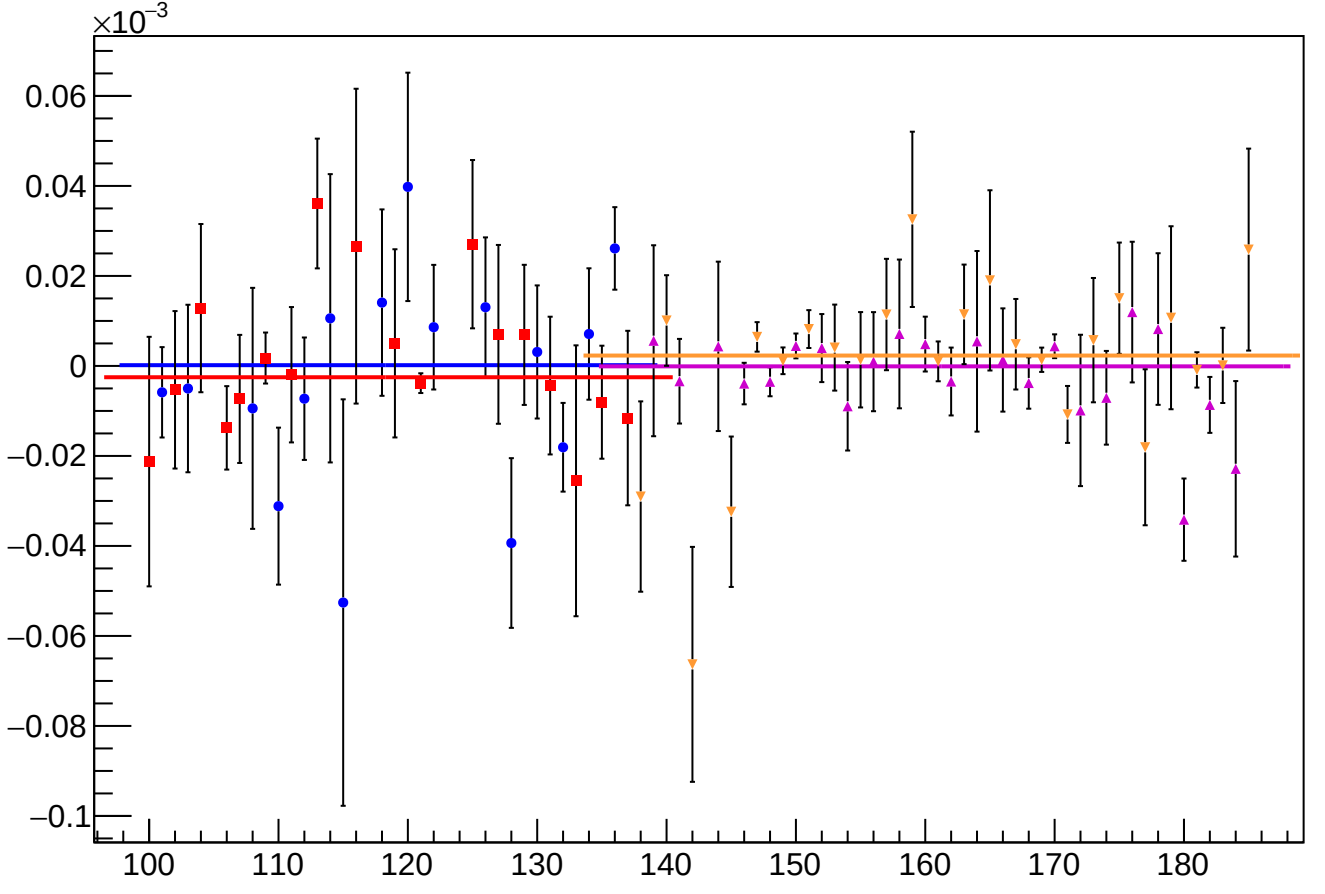
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.355+/-0.028 χ^2/NDF: 17849507.3/40

All: 154.513+/-0.019 χ^2/NDF: 35402754.9/82

- sign 150.012+/-0.027 χ^2/NDF: 17493864.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

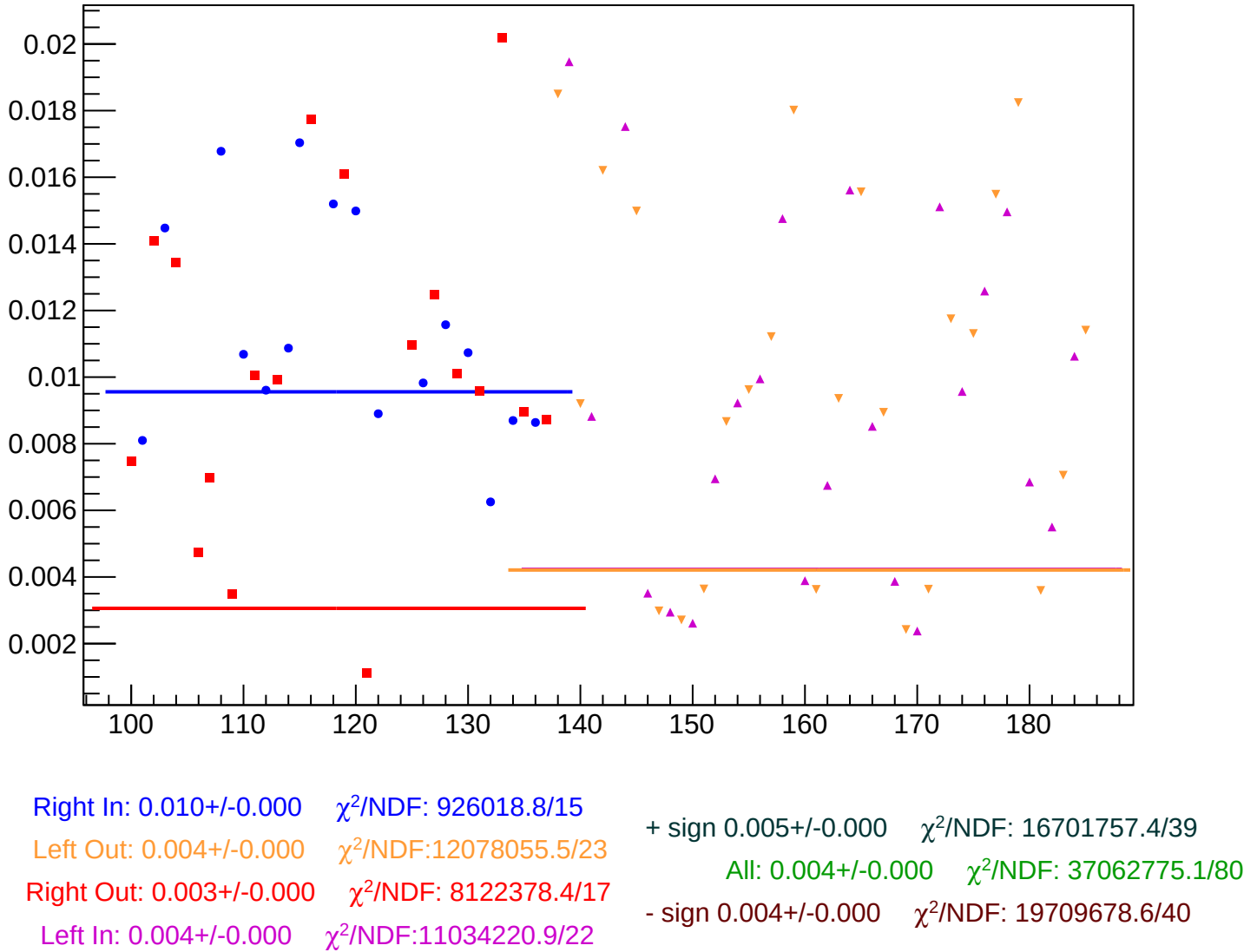
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

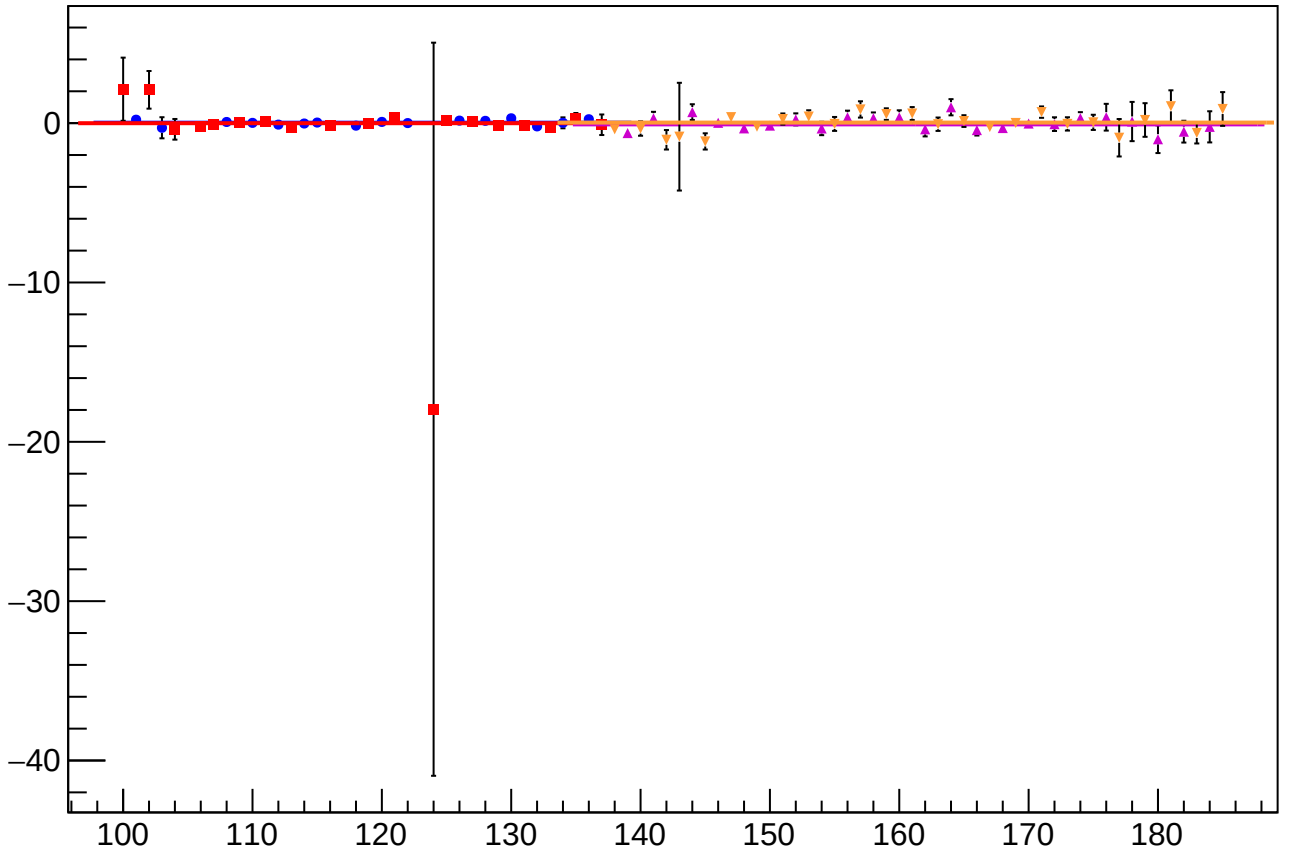
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/39

All: 0.000+/-0.000 χ^2/NDF: 106.6/80

- sign -0.000+/-0.000 χ^2/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:12078055.5/23
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: 16701757.4/39
All: 0.004+/-0.000 χ²/NDF: 37062775.1/80
- sign 0.004+/-0.000 χ²/NDF: 19709678.6/40



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

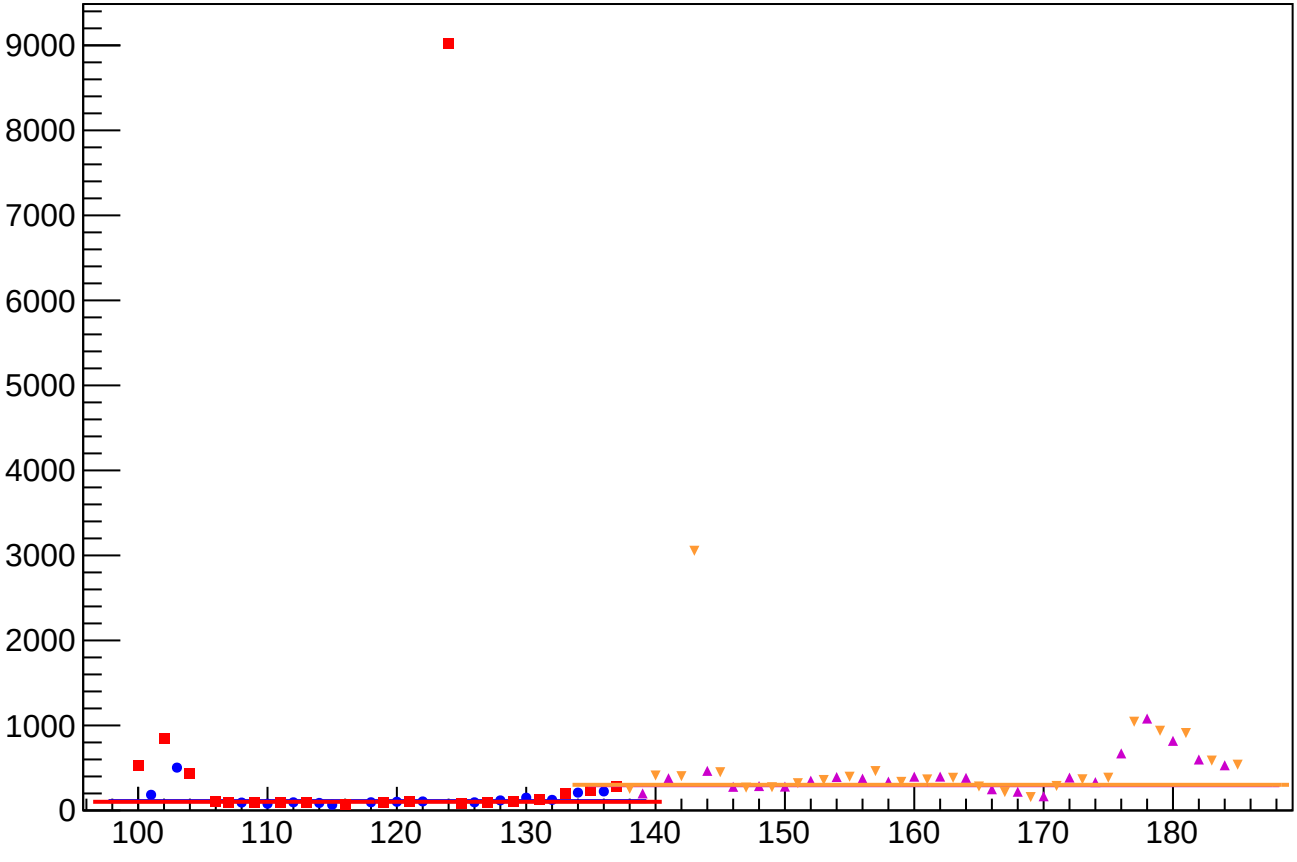
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.030+/-0.039 χ^2/NDF: 38.5/40

All: 0.003+/-0.027 χ^2/NDF: 86.7/82

- sign -0.022+/-0.038 χ^2/NDF: 47.2/41

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

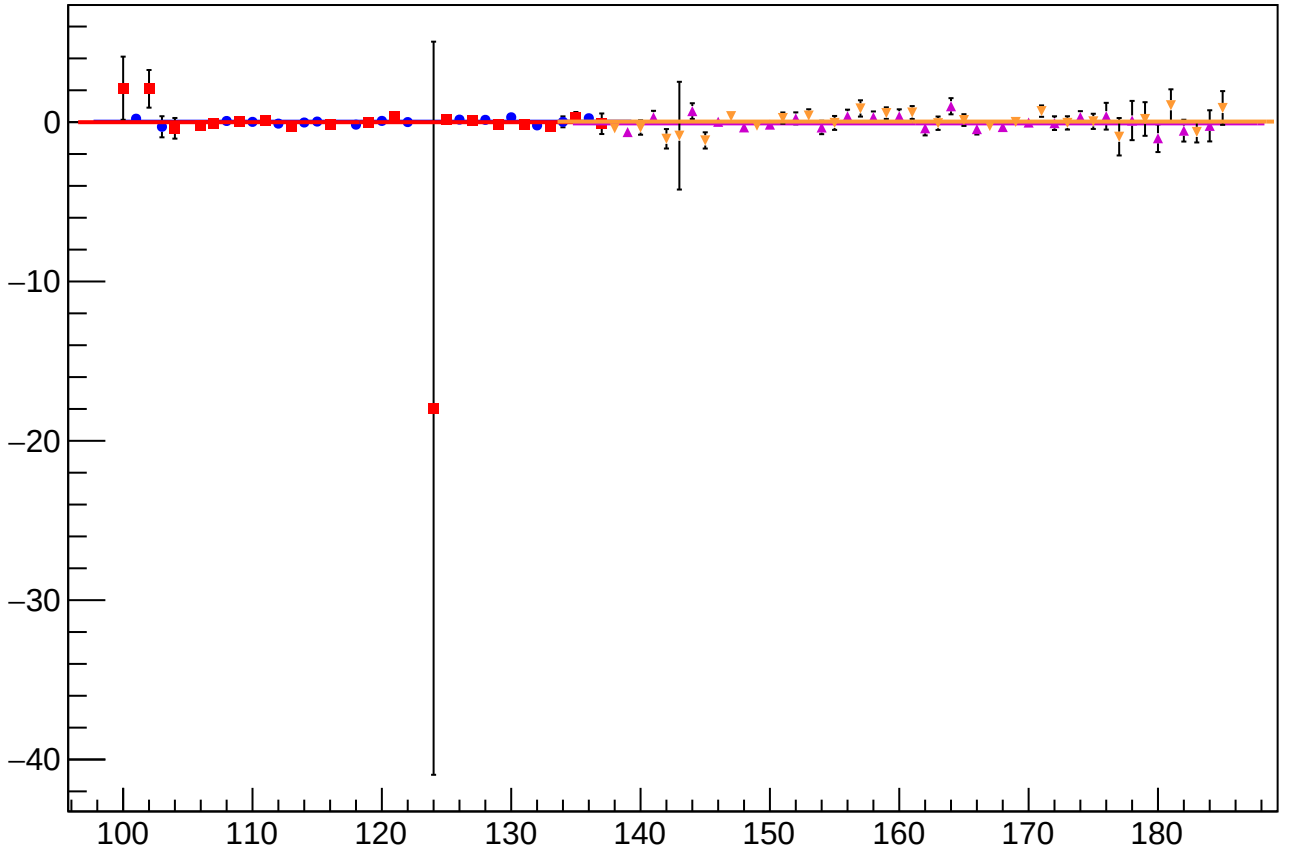
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.356+/-0.028 χ^2/NDF: 17849455.8/40

All: 154.515+/-0.019 χ^2/NDF: 35402570.5/82

- 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: 0.036+/-0.077 χ^2/NDF:29.7/24

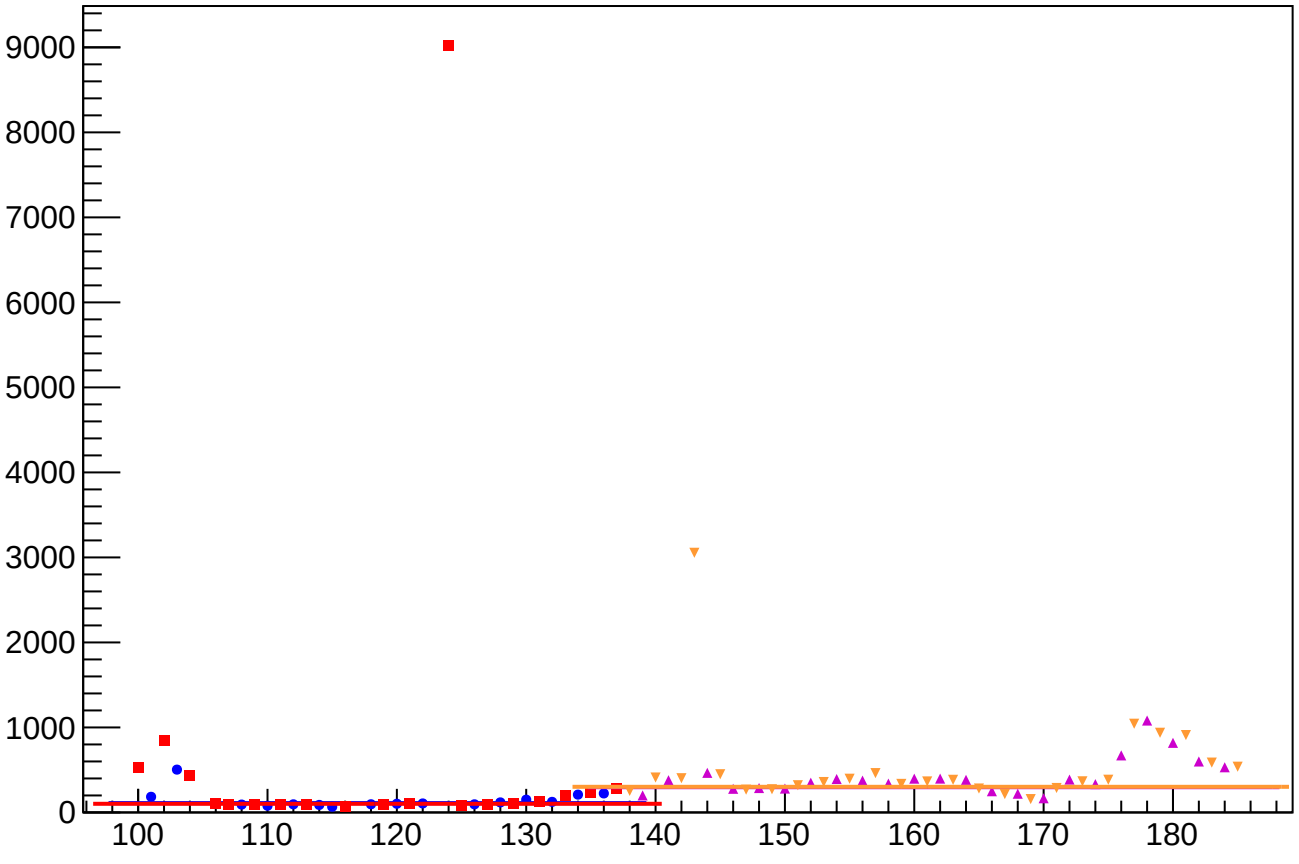
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.030+/-0.039 χ^2/NDF: 38.5/40

All: 0.003+/-0.027 χ^2/NDF: 86.7/82

- 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: 301.737+/-0.054 χ^2/NDF:6693577.7/24

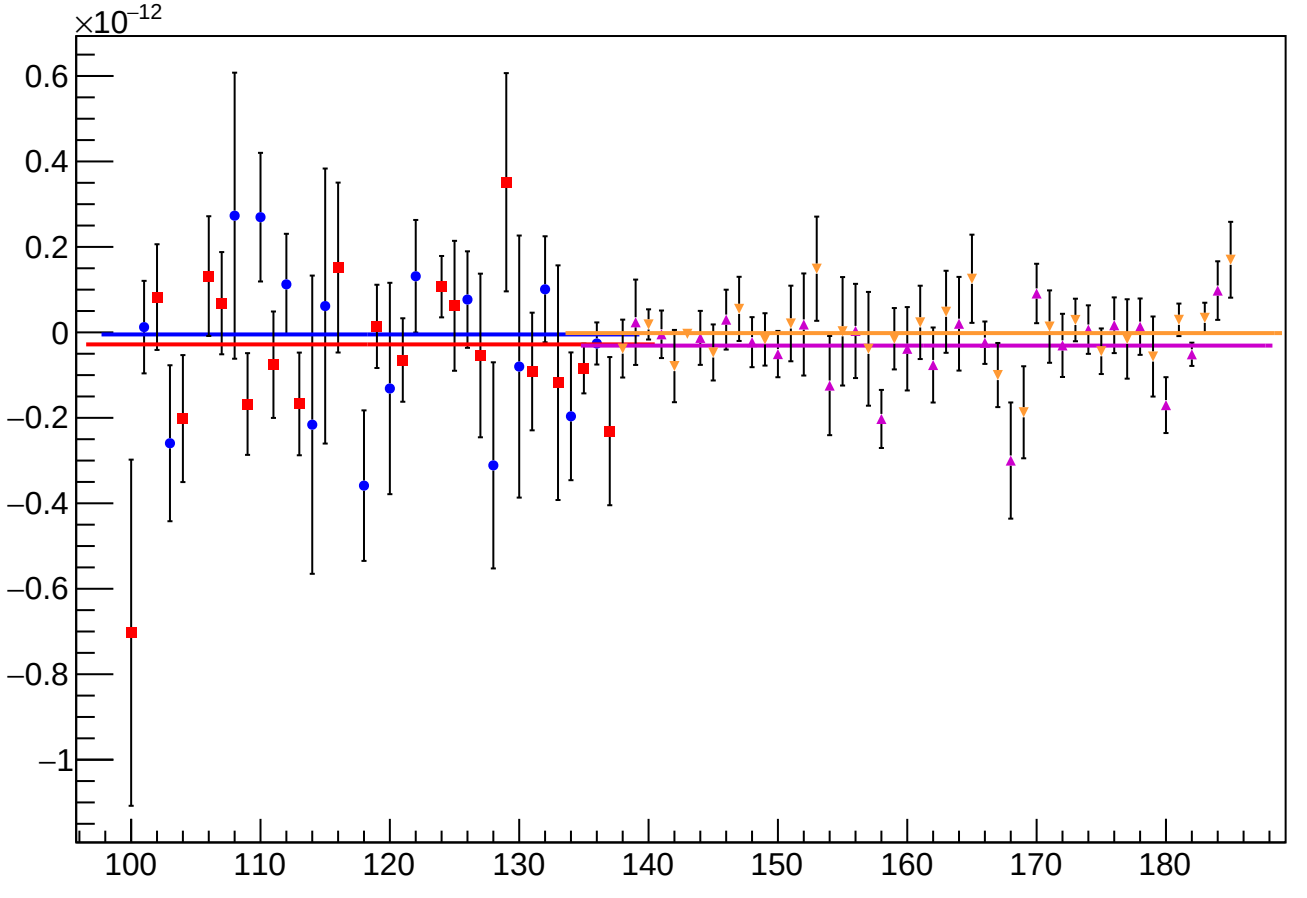
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.356+/-0.028 χ^2/NDF: 17849455.8/40

All: 154.515+/-0.019 χ^2/NDF: 35402570.5/82

- 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:17.7/24

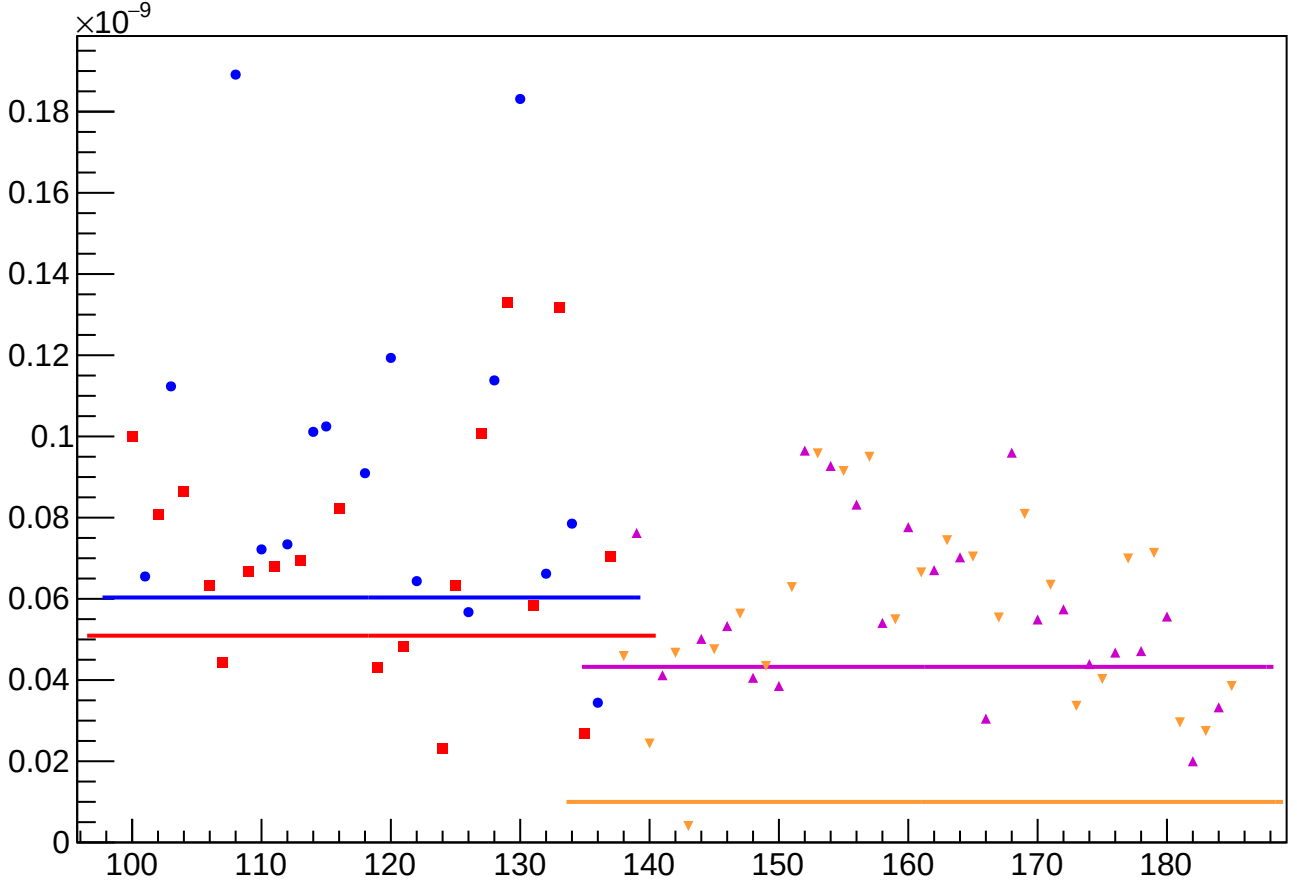
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/40

All: -0.000+/-0.000 χ^2/NDF: 86.1/82

- sign -0.000+/-0.000 χ^2/NDF: 46.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

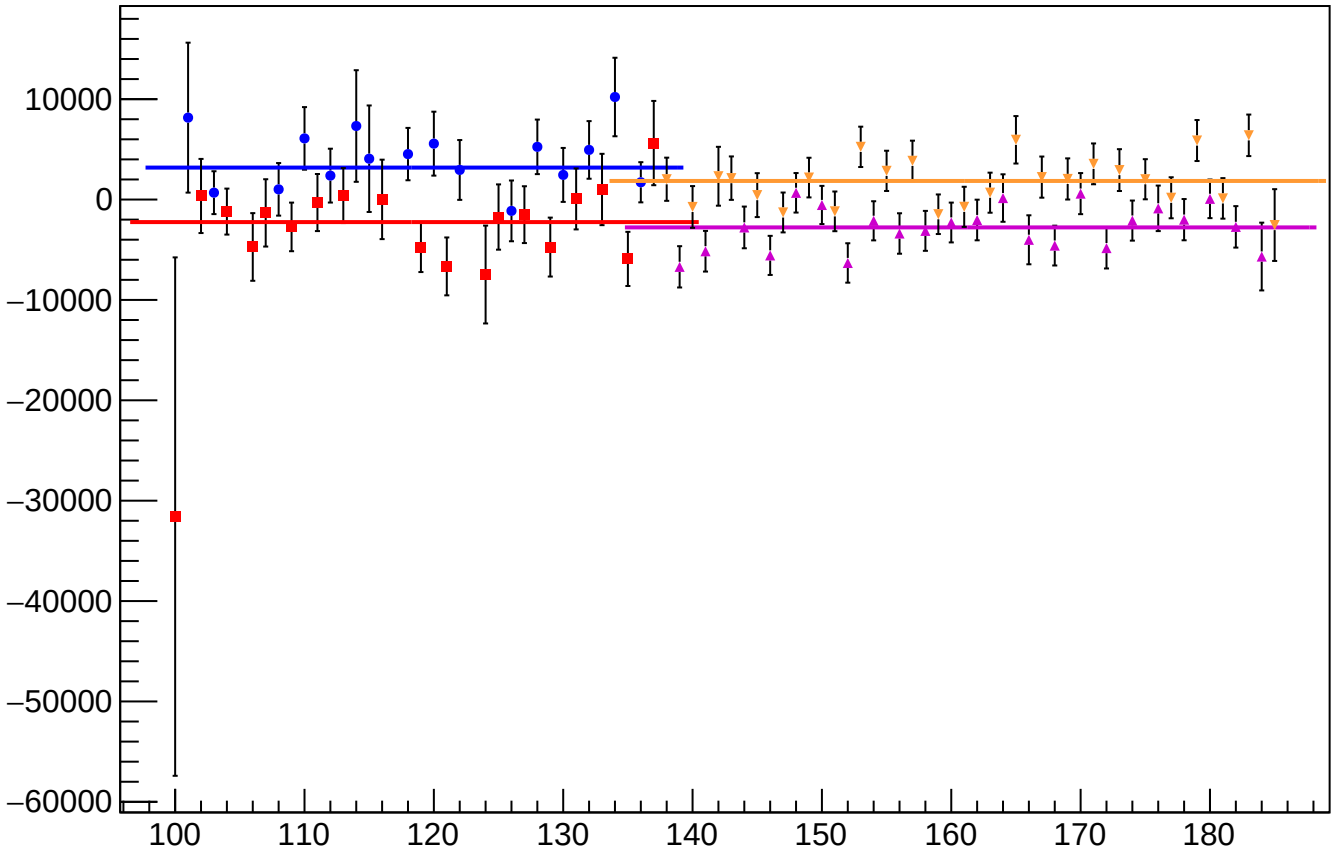
Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 25166953.6/40

All: 0.000+/-0.000 χ^2/NDF: 44321312.6/82

- sign 0.000+/-0.000 χ^2/NDF: 5844916.0/41



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

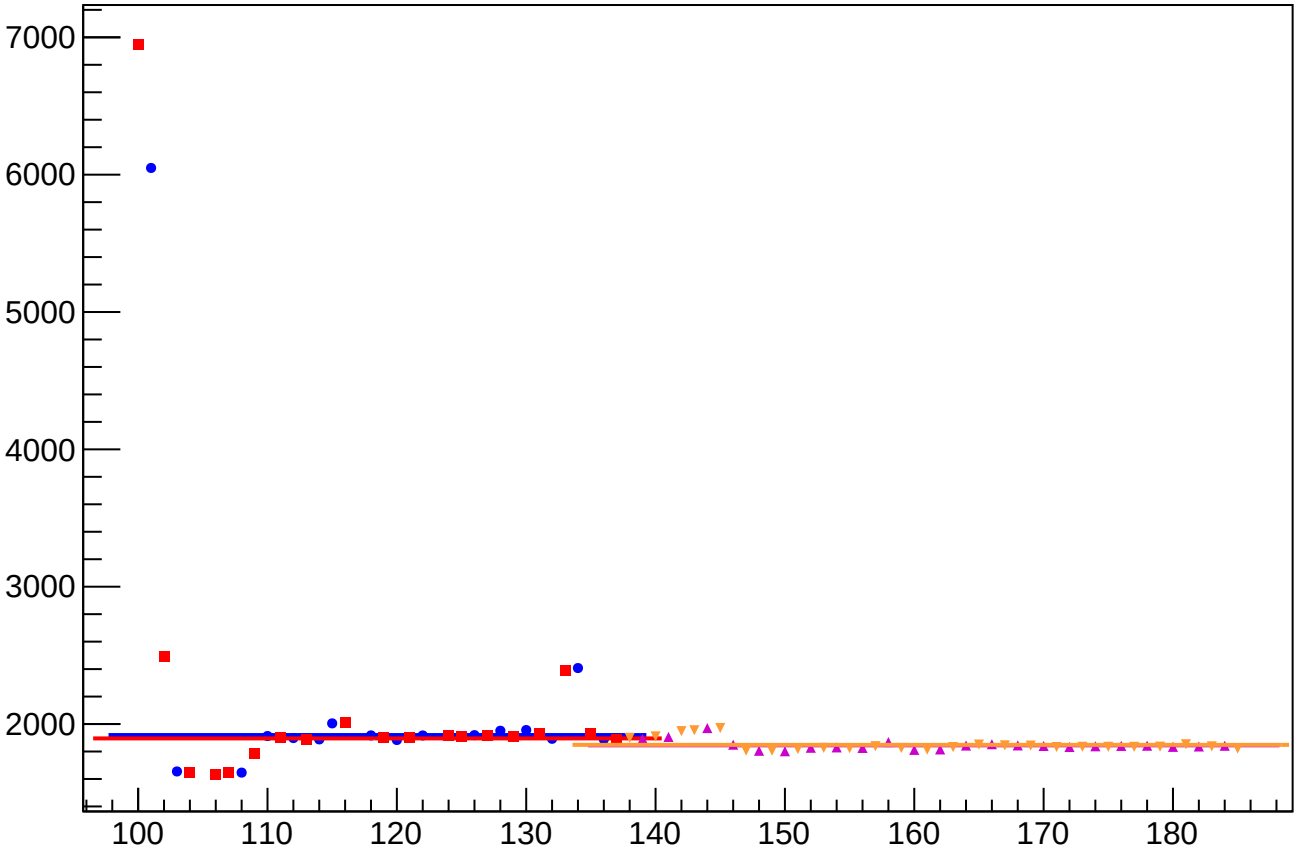
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2182.425+/-364.191 χ^2/NDF: 45.7/40

All: -197.356+/-259.023 χ^2/NDF: 174.5/82

- 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: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

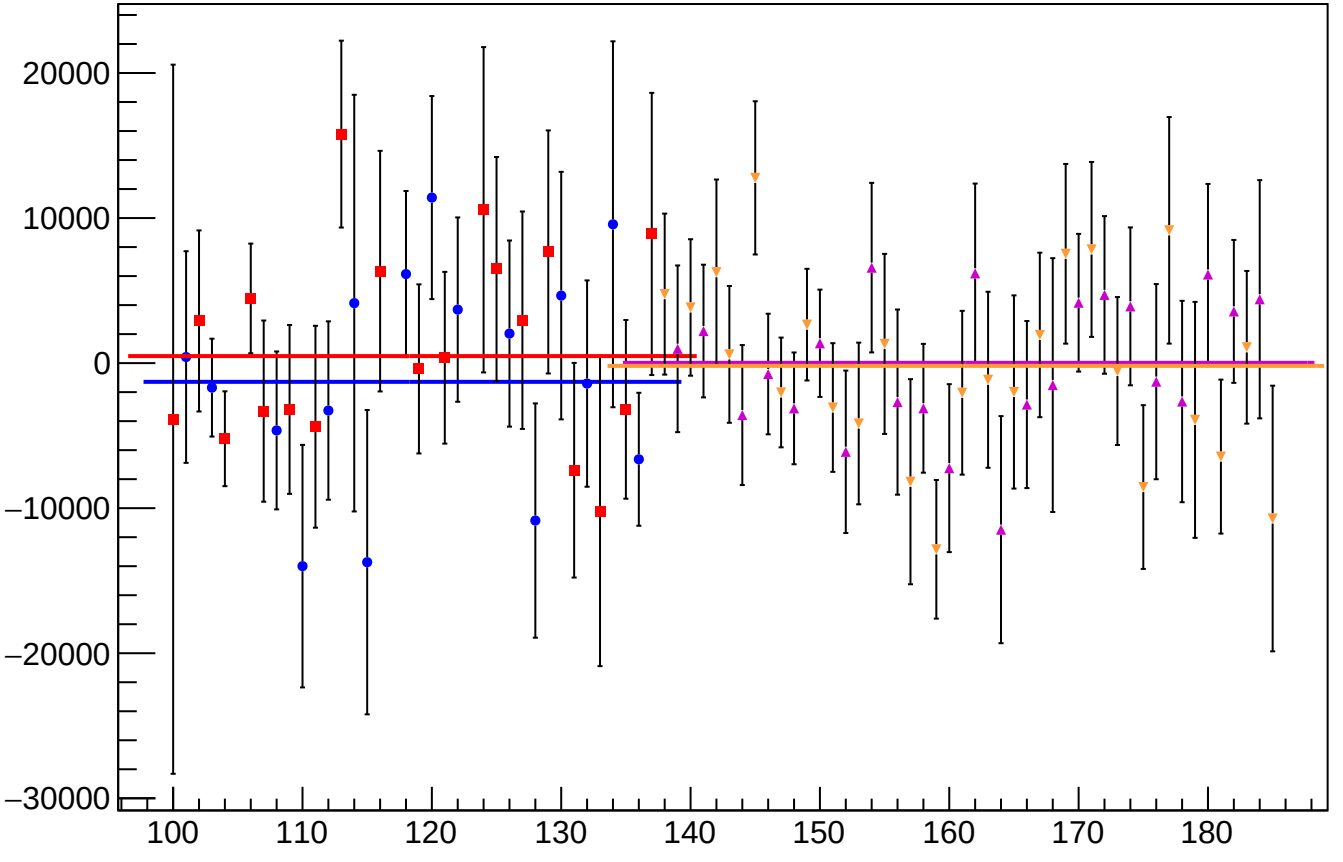
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1866.214+/-0.258 χ^2/NDF: 732521.2/40

All: 1862.469+/-0.183 χ^2/NDF: 976608.6/82

- sign 1858.643+/-0.260 χ^2/NDF: 243659.8/41

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

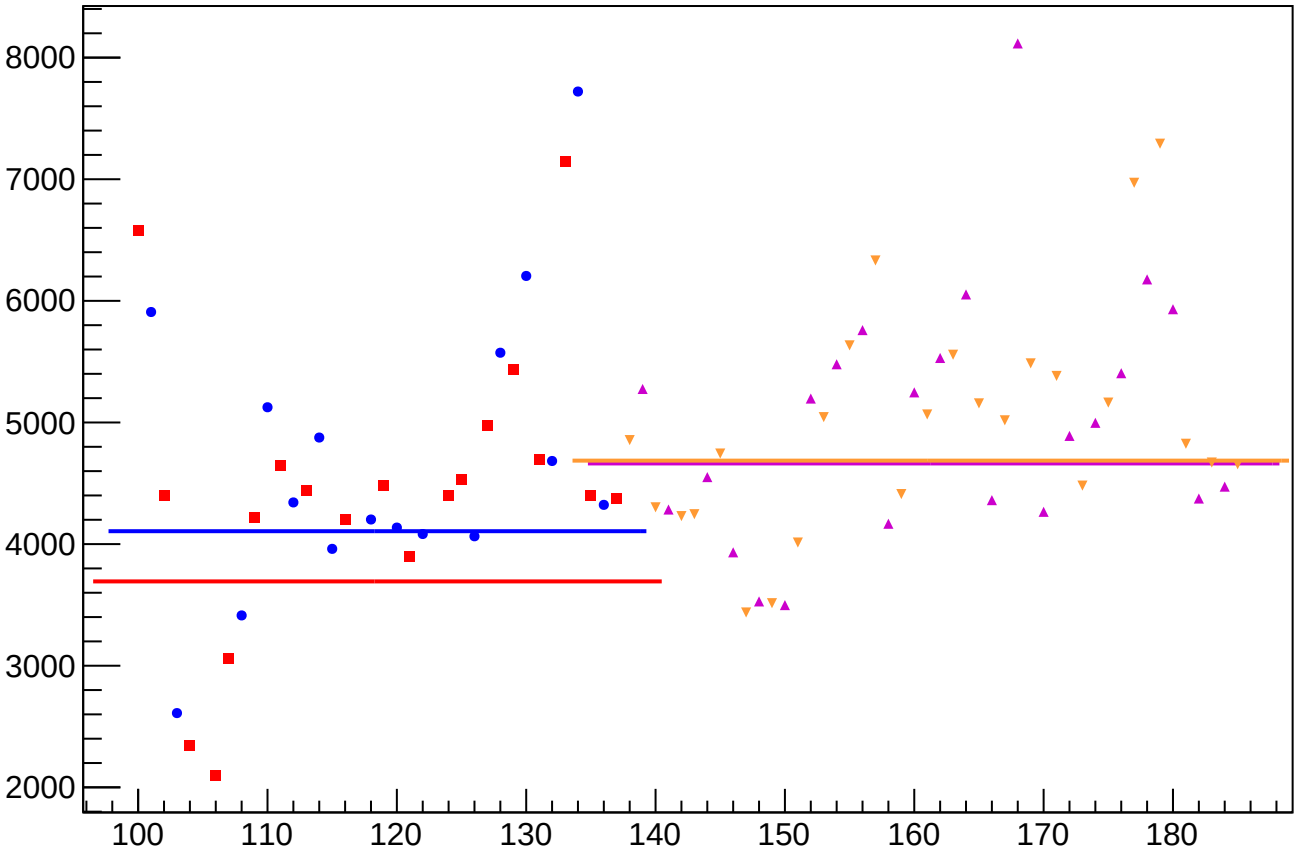
Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

\+ sign -542.239+/-897.428 χ^2/NDF: 43.5/40

All: -166.880+/-628.262 χ^2/NDF: 74.9/82

\- sign 193.902+/-879.828 χ^2/NDF: 31.1/41



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

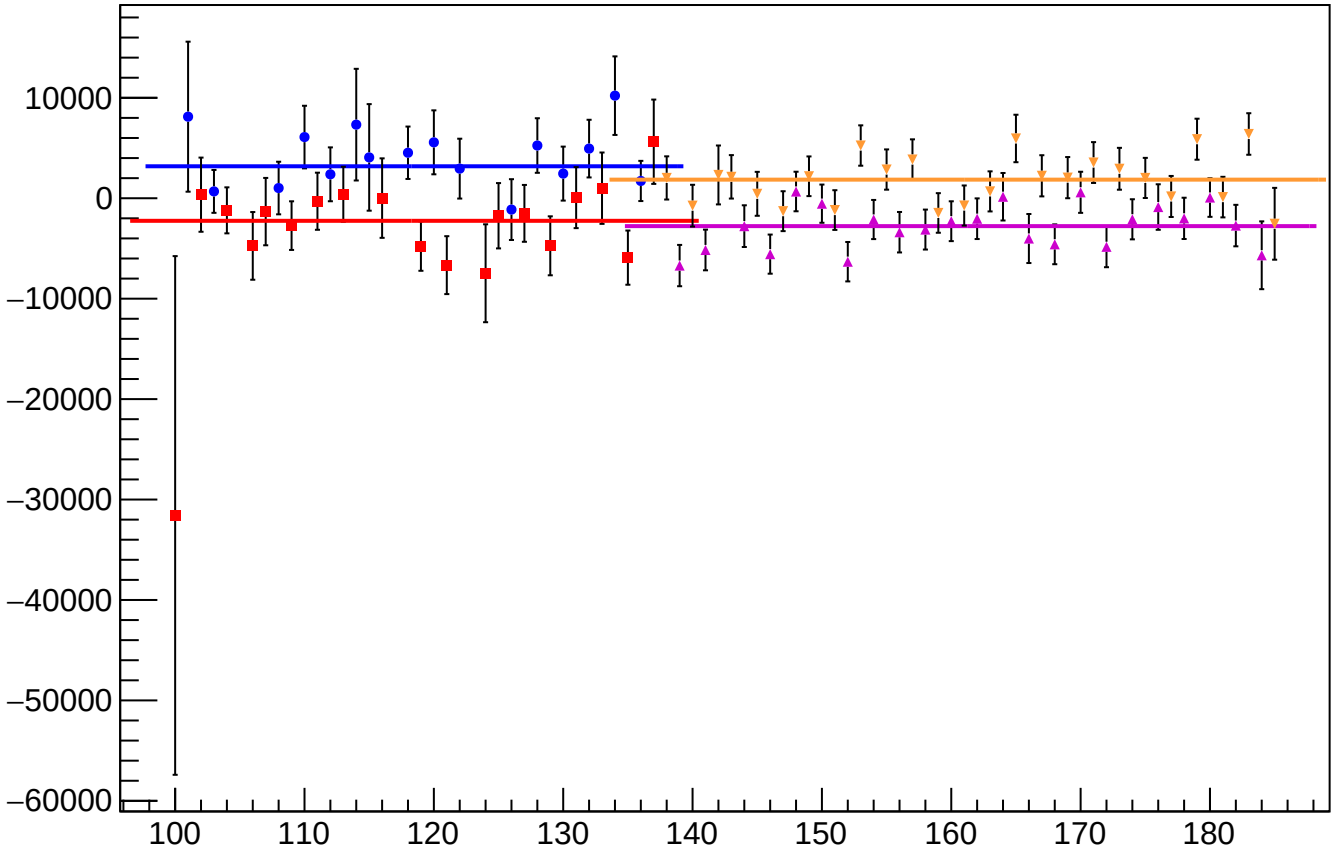
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4500.449+/-0.635 χ^2/NDF: 2323229.4/40

All: 4398.178+/-0.444 χ^2/NDF: 5587074.2/82

- 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: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

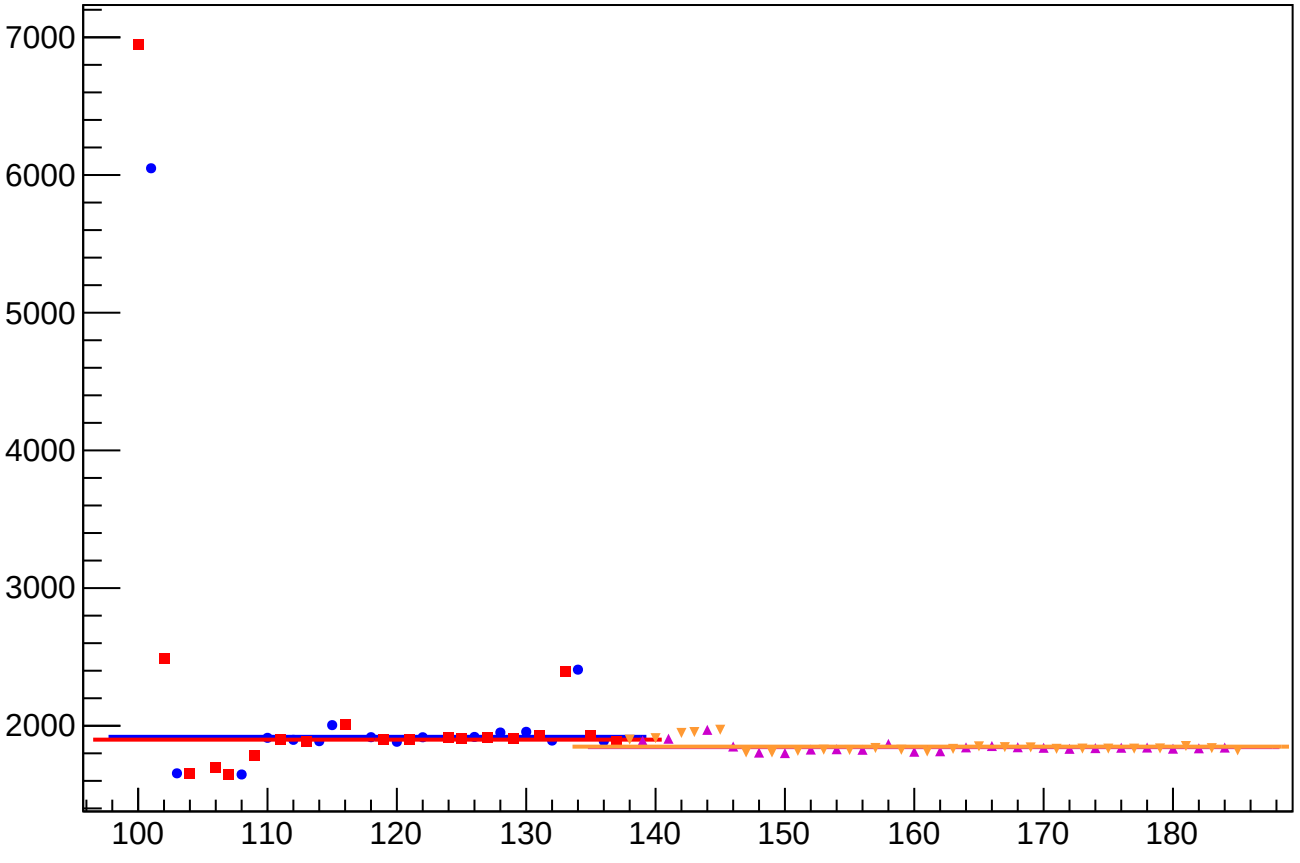
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2182.160+/-364.191 χ^2/NDF: 45.7/40

All: -197.630+/-259.024 χ^2/NDF: 174.5/82

- 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: 1848.522+/-0.297 χ^2/NDF:20886.6/24

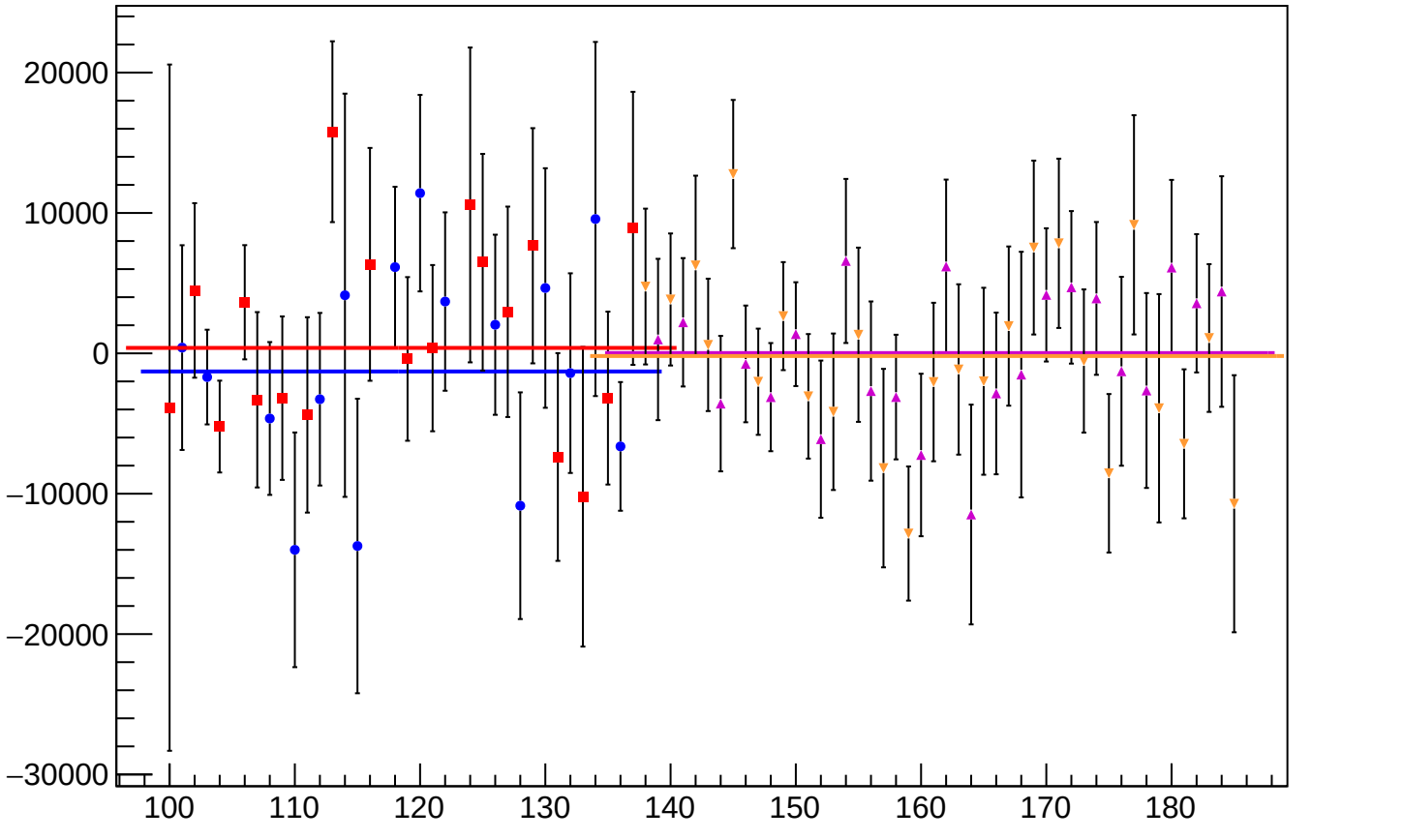
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

\+ sign 1866.214+/-0.258 χ^2/NDF: 732520.5/40

All: 1862.985+/-0.183 χ^2/NDF: 971072.7/82

\- 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: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

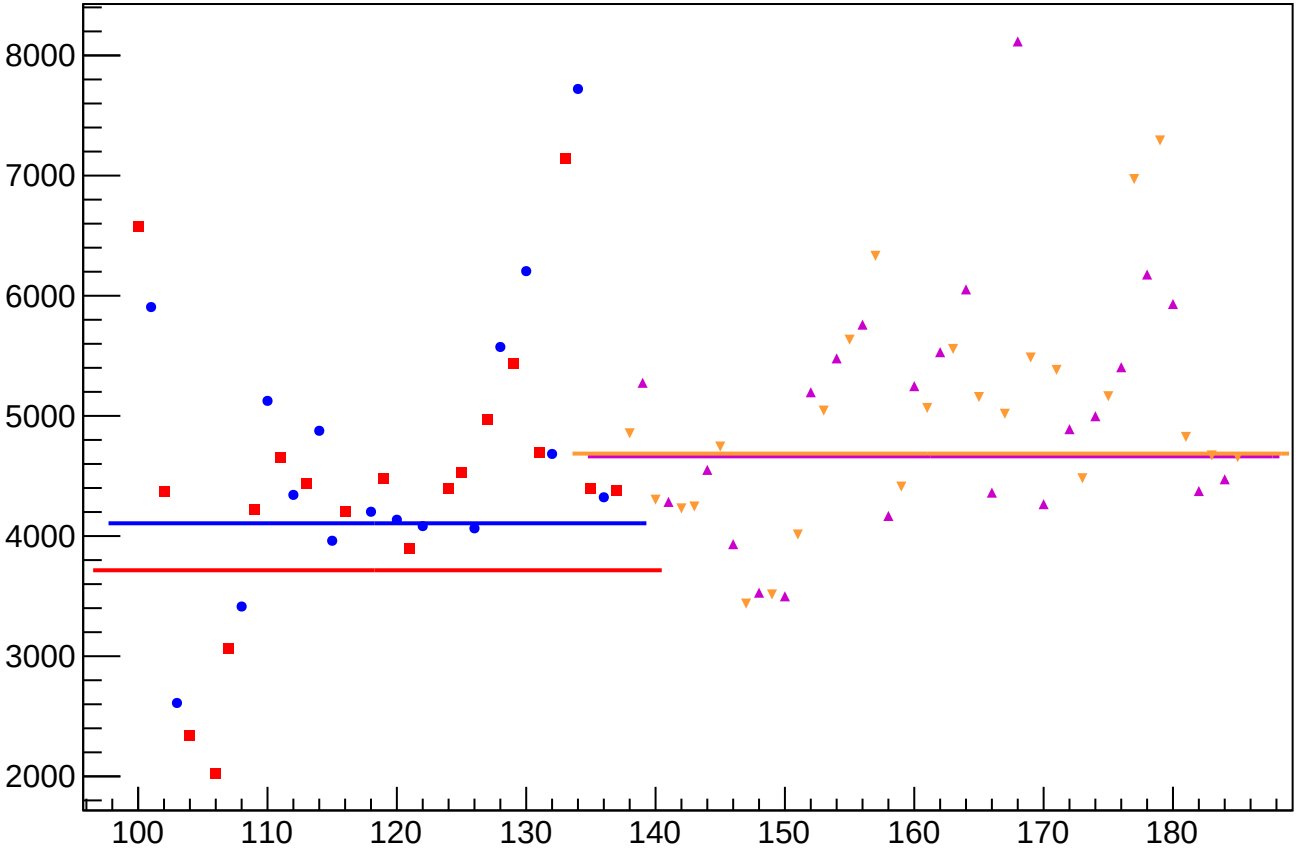
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -542.376+/-897.428 χ^2/NDF: 43.5/40

All: -187.695+/-629.423 χ^2/NDF: 74.6/82

- 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: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

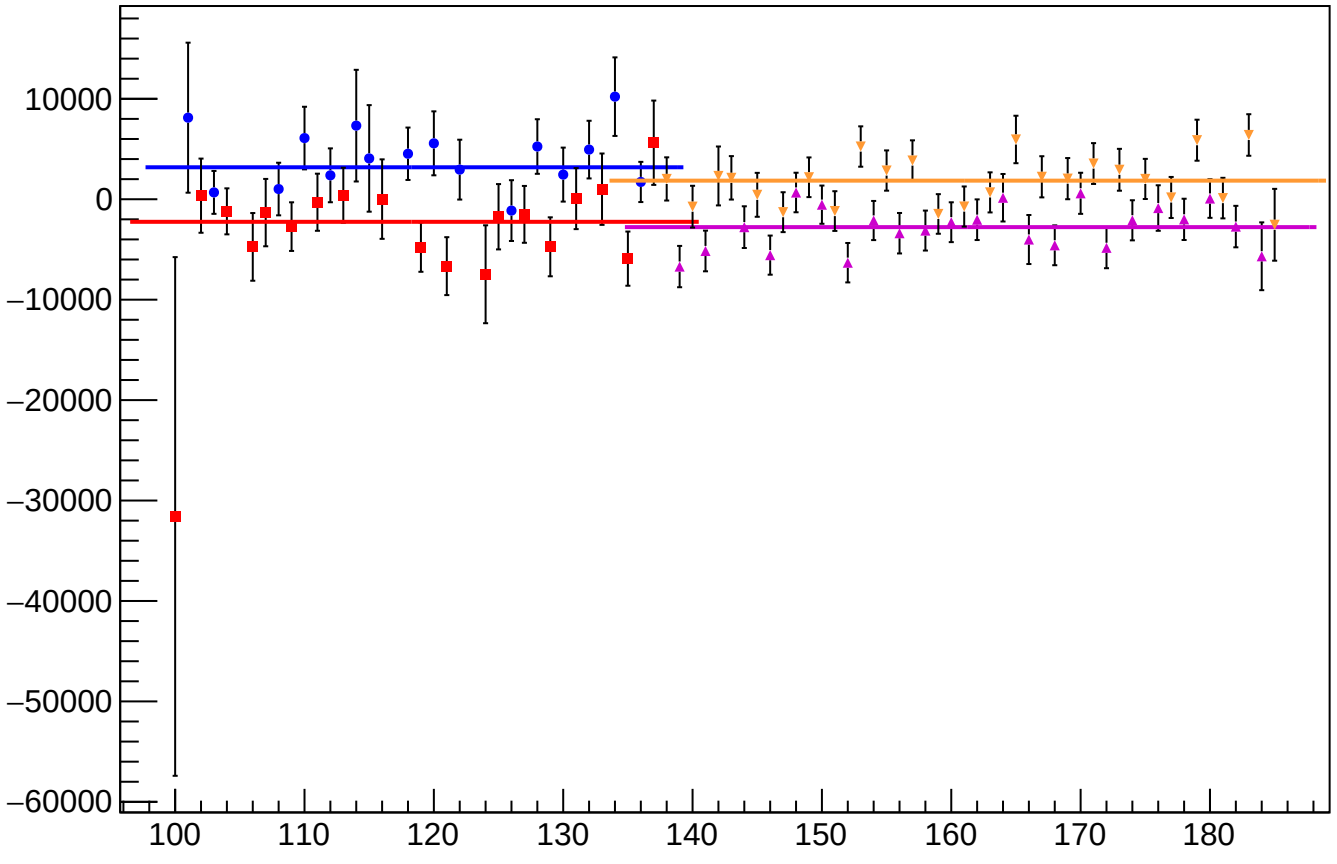
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4500.474+/-0.635 χ^2/NDF: 2322692.6/40

All: 4404.922+/-0.445 χ^2/NDF: 5526600.4/82

- sign 4312.414+/-0.624 χ^2/NDF: 3159284.1/41



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

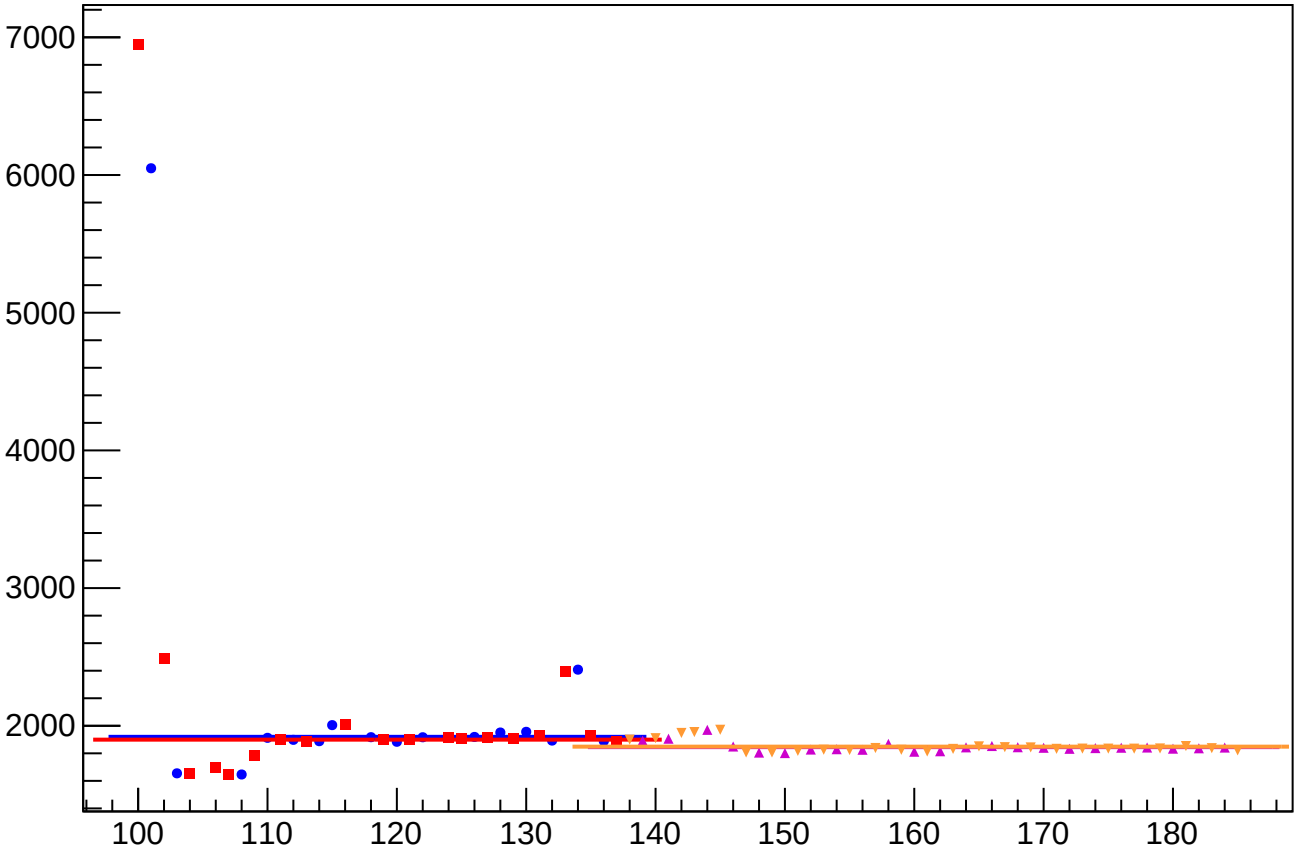
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2182.160+/-364.191 χ^2/NDF: 45.7/40

All: -197.630+/-259.024 χ^2/NDF: 174.5/82

- 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: 1848.522+/-0.297 χ^2/NDF:20886.6/24

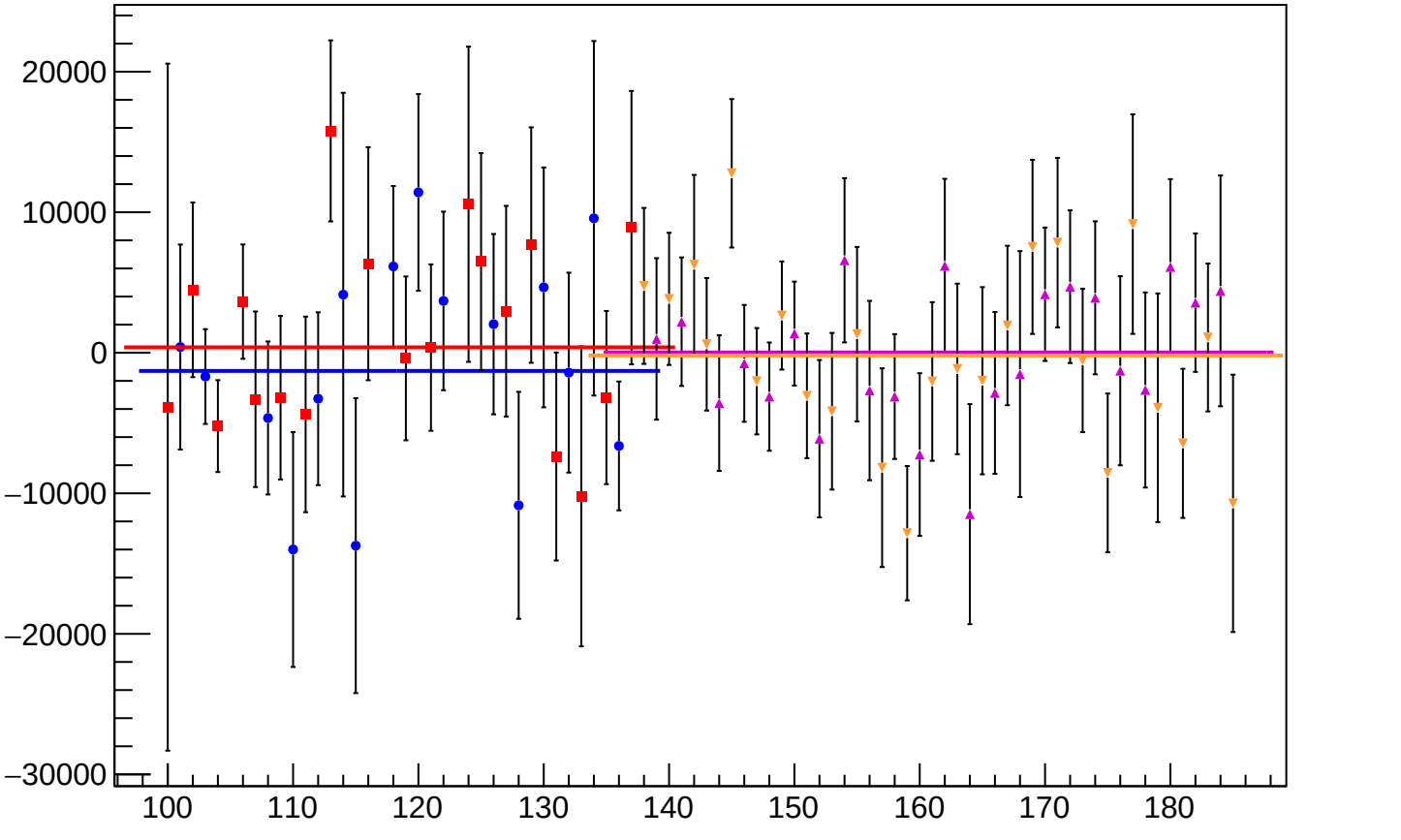
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

\+ sign 1866.214+/-0.258 χ^2/NDF: 732520.5/40

All: 1862.985+/-0.183 χ^2/NDF: 971072.7/82

\- 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: -189.487+/-1088.617 χ^2/NDF:28.9/24

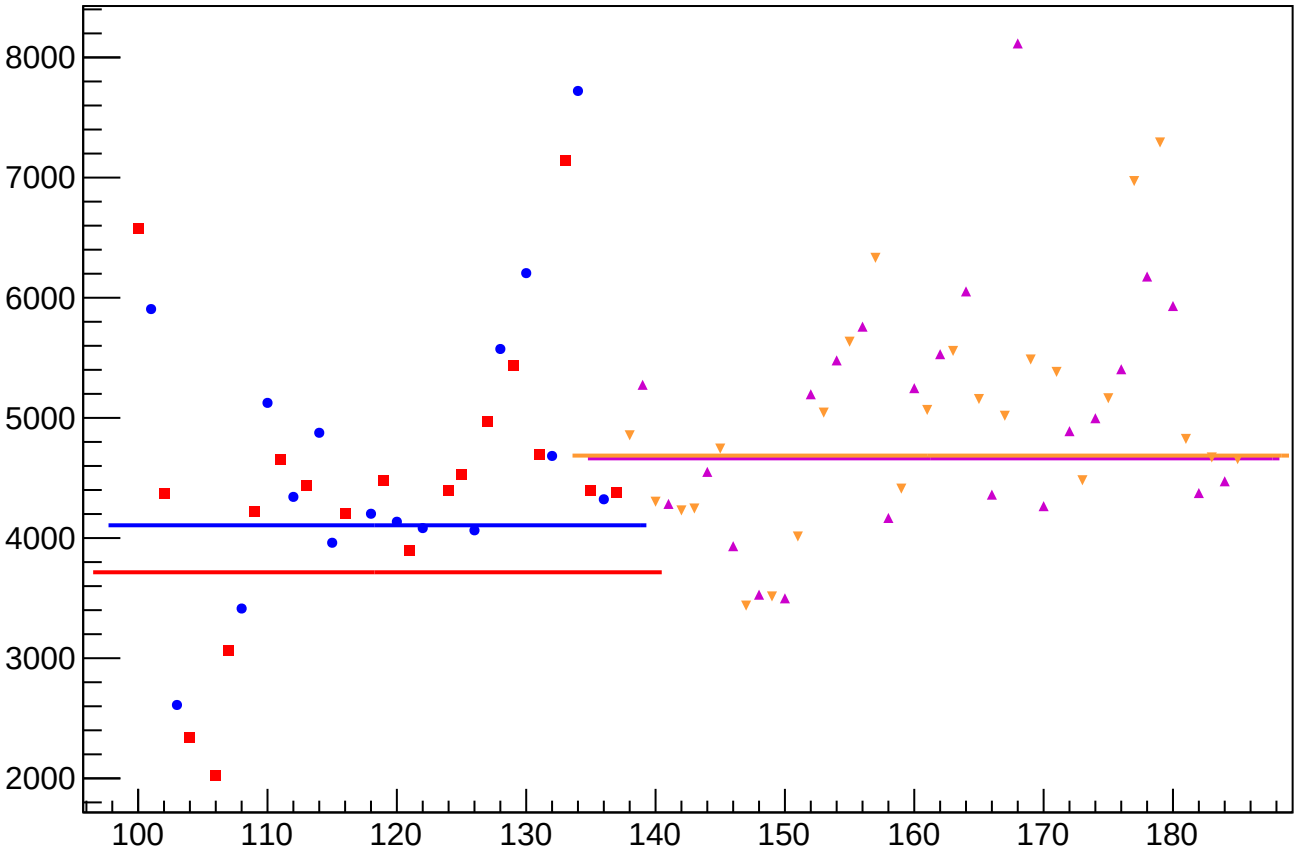
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -542.376+/-897.428 χ^2/NDF: 43.5/40

All: -187.695+/-629.423 χ^2/NDF: 74.6/82

- 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: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

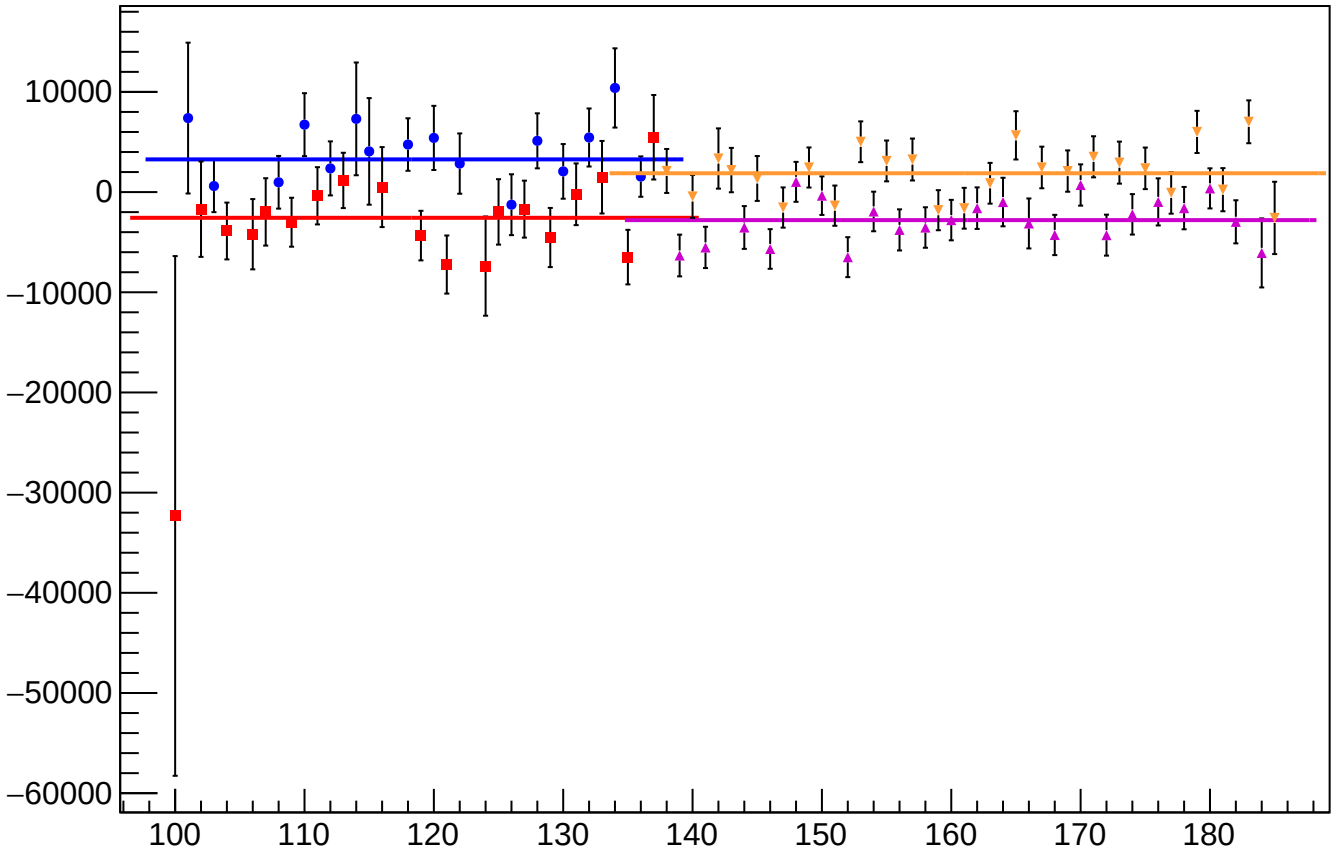
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4500.474+/-0.635 χ^2/NDF: 2322692.6/40

All: 4404.922+/-0.445 χ^2/NDF: 5526600.4/82

- 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: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

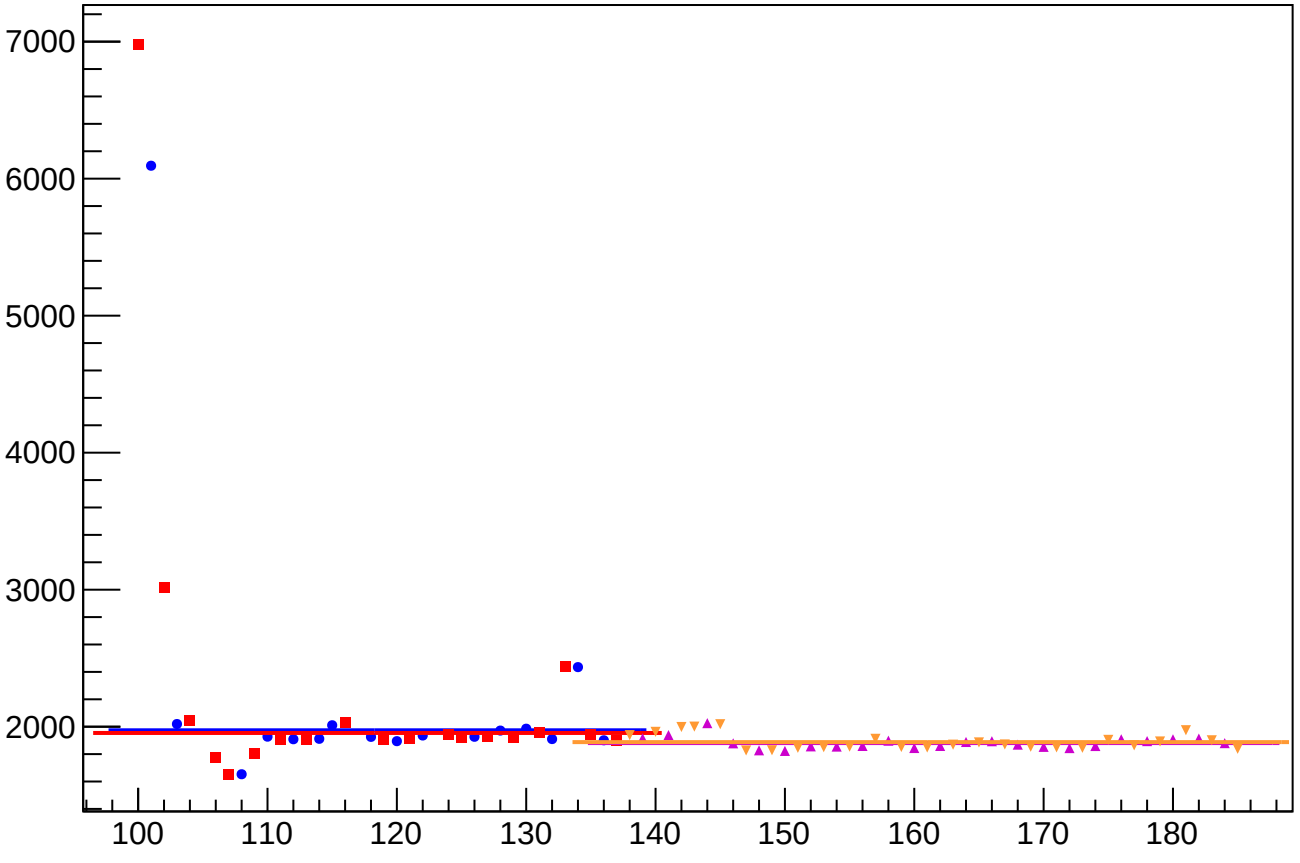
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2221.431+/-372.478 χ^2/NDF: 47.7/40

All: -227.933+/-264.974 χ^2/NDF: 177.7/82

- 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: 1887.545+/-0.303 χ^2/NDF:31955.7/24

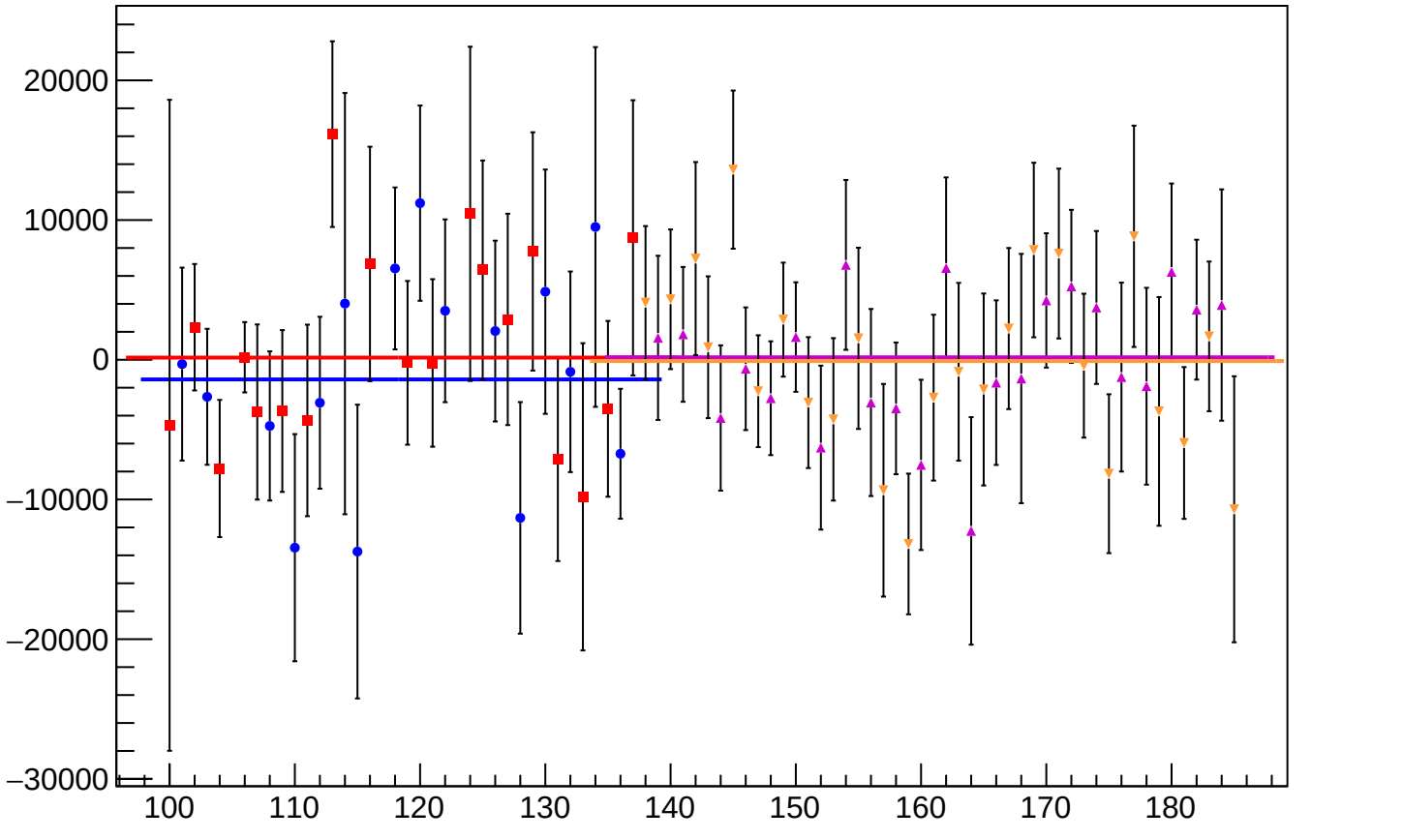
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1908.758+/-0.263 χ^2/NDF: 716953.5/40

All: 1904.439+/-0.187 χ^2/NDF: 997612.8/82

- 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: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

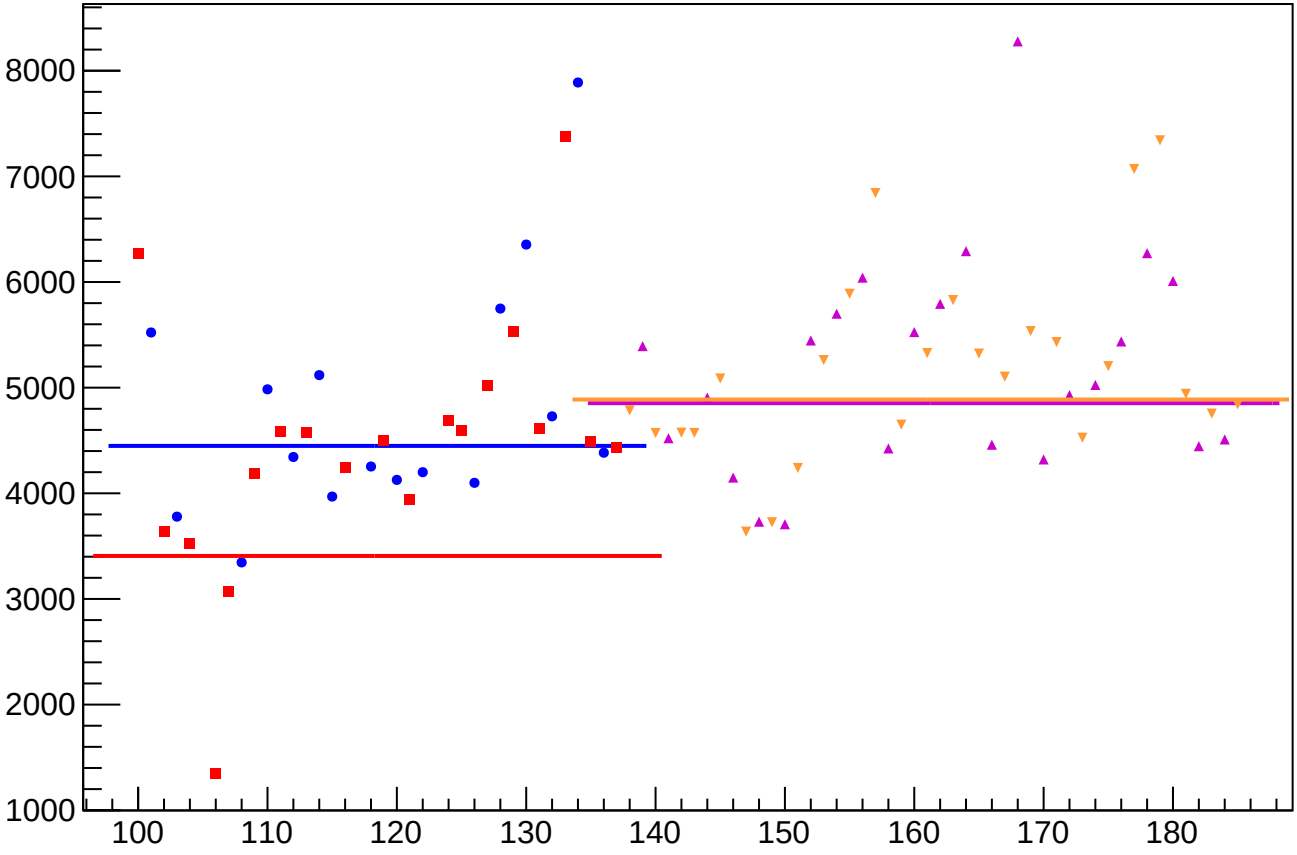
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -499.924+/-941.214 χ^2/NDF: 42.7/40

All: -144.226+/-643.513 χ^2/NDF: 72.4/82

- 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: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

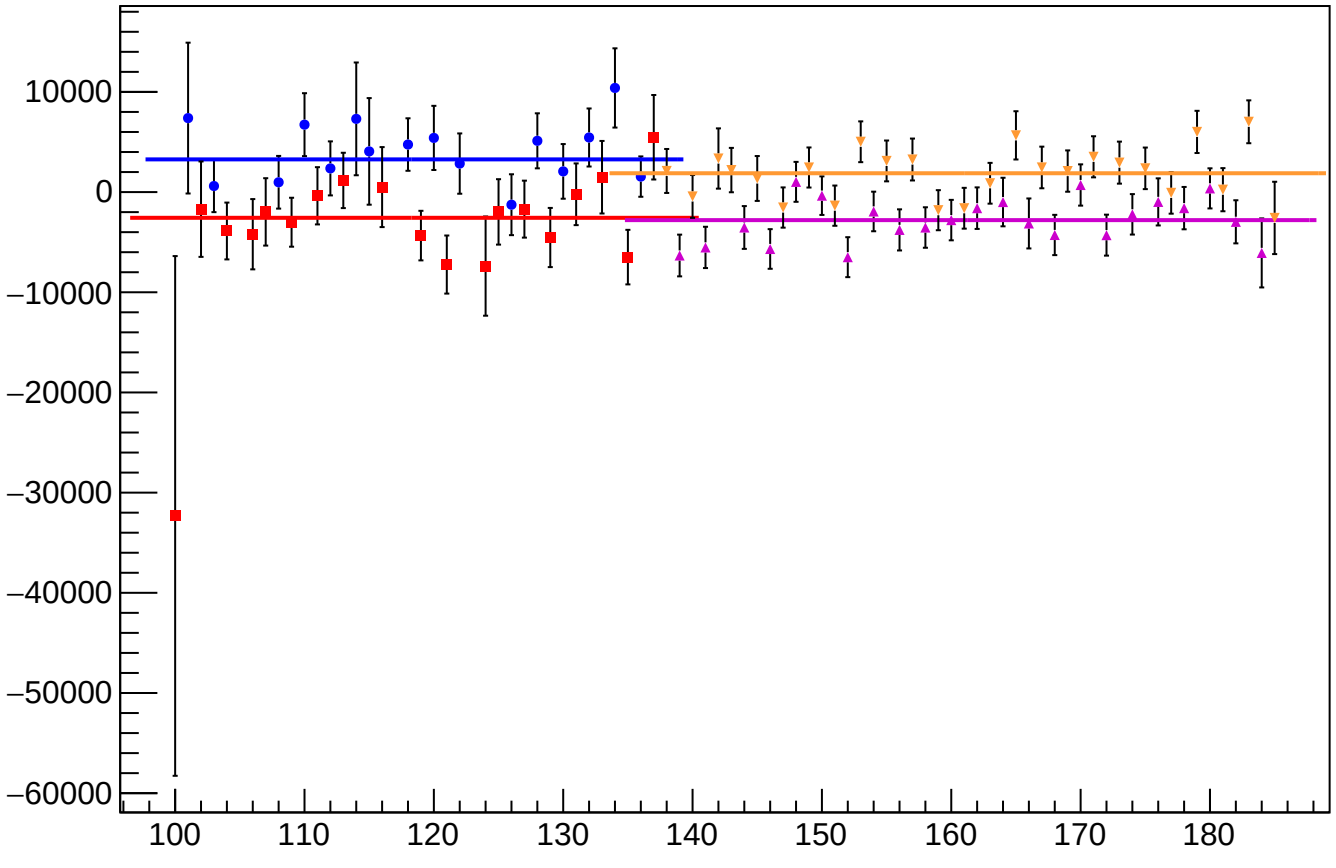
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4751.620+/-0.666 χ^2/NDF: 1651055.2/40

All: 4483.732+/-0.455 χ^2/NDF: 6768869.1/82

- 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: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

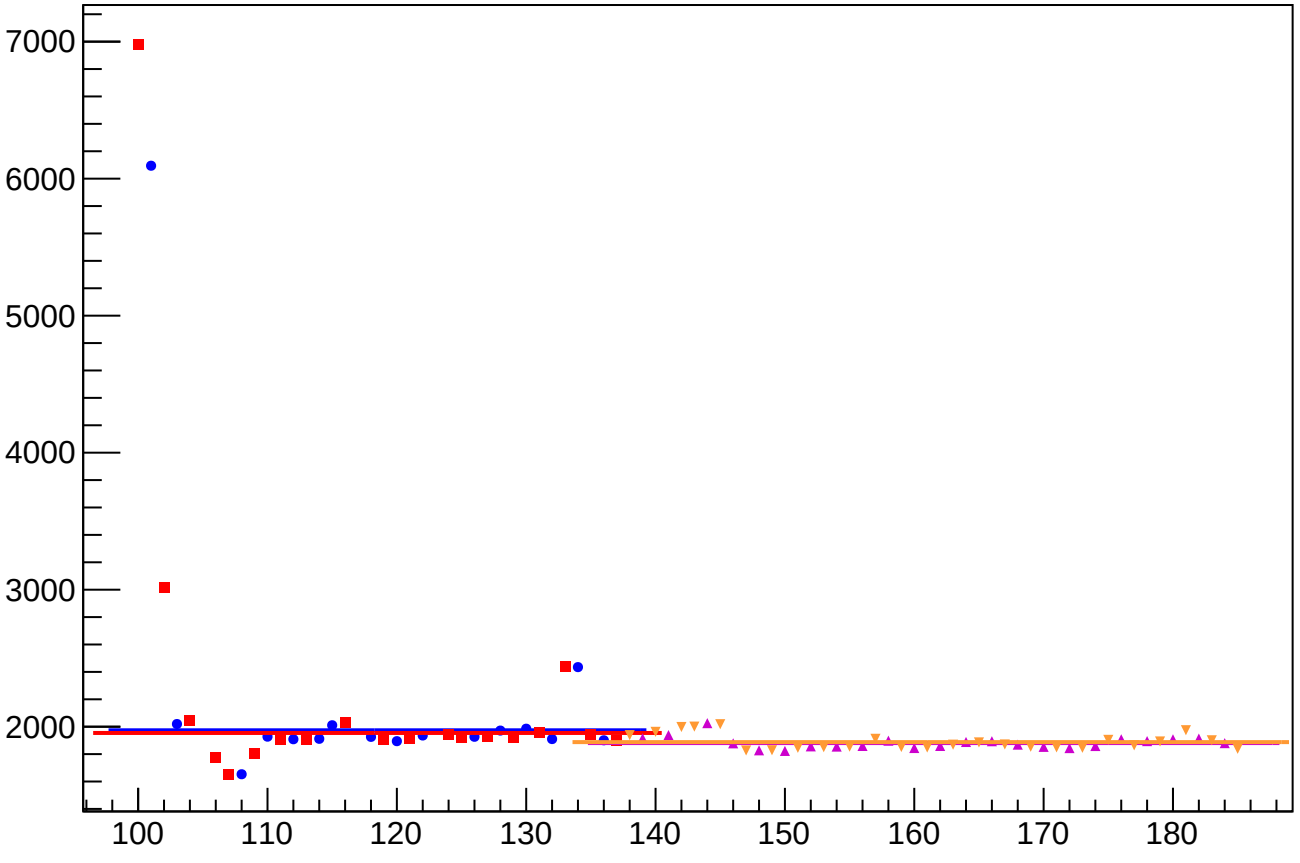
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2221.428+/-372.478 χ^2/NDF: 47.7/40

All: -227.935+/-264.974 χ^2/NDF: 177.7/82

- 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: 1887.546+/-0.303 χ^2/NDF:31955.8/24

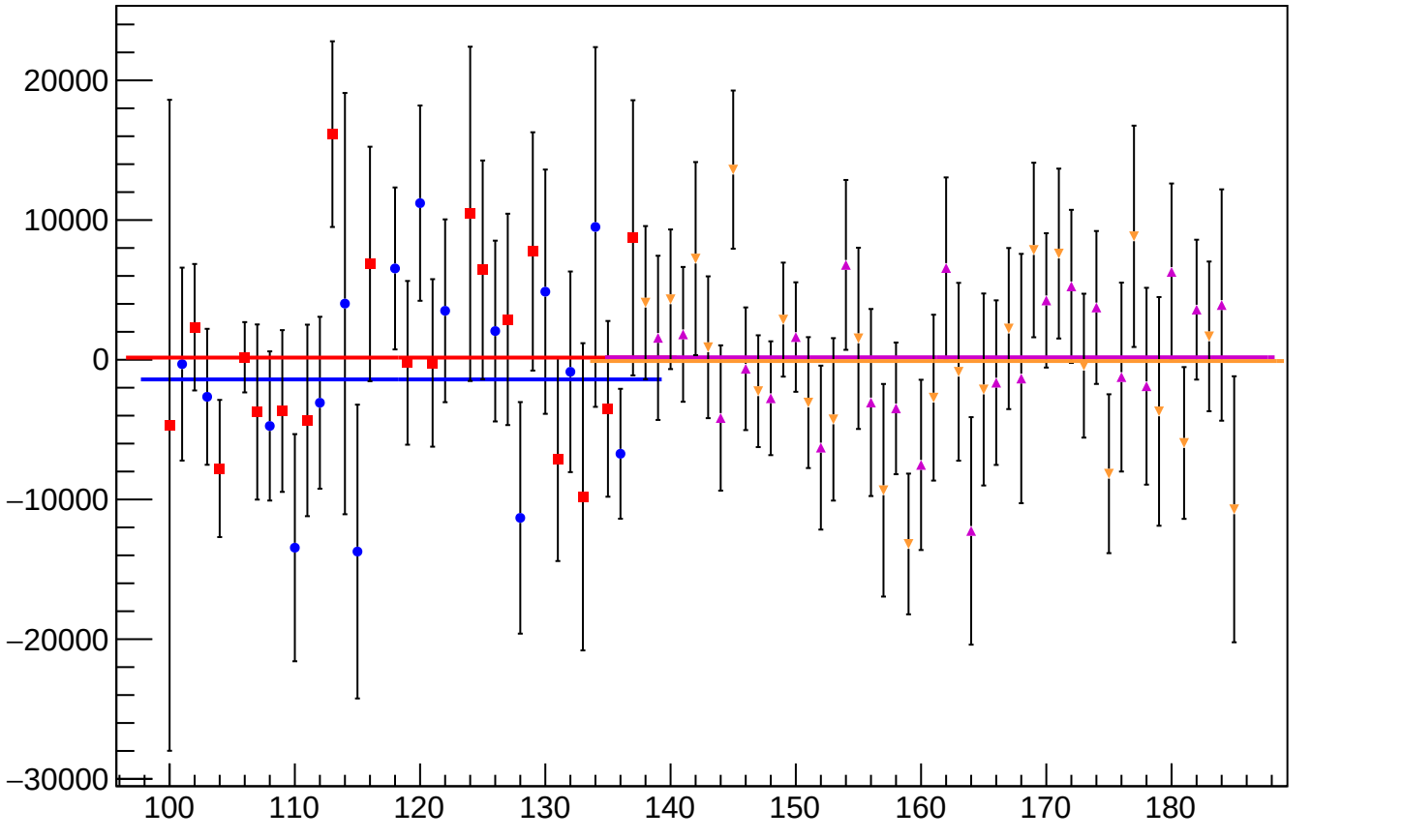
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1908.758+/-0.263 χ^2/NDF: 716953.1/40

All: 1904.439+/-0.187 χ^2/NDF: 997611.4/82

- 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: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

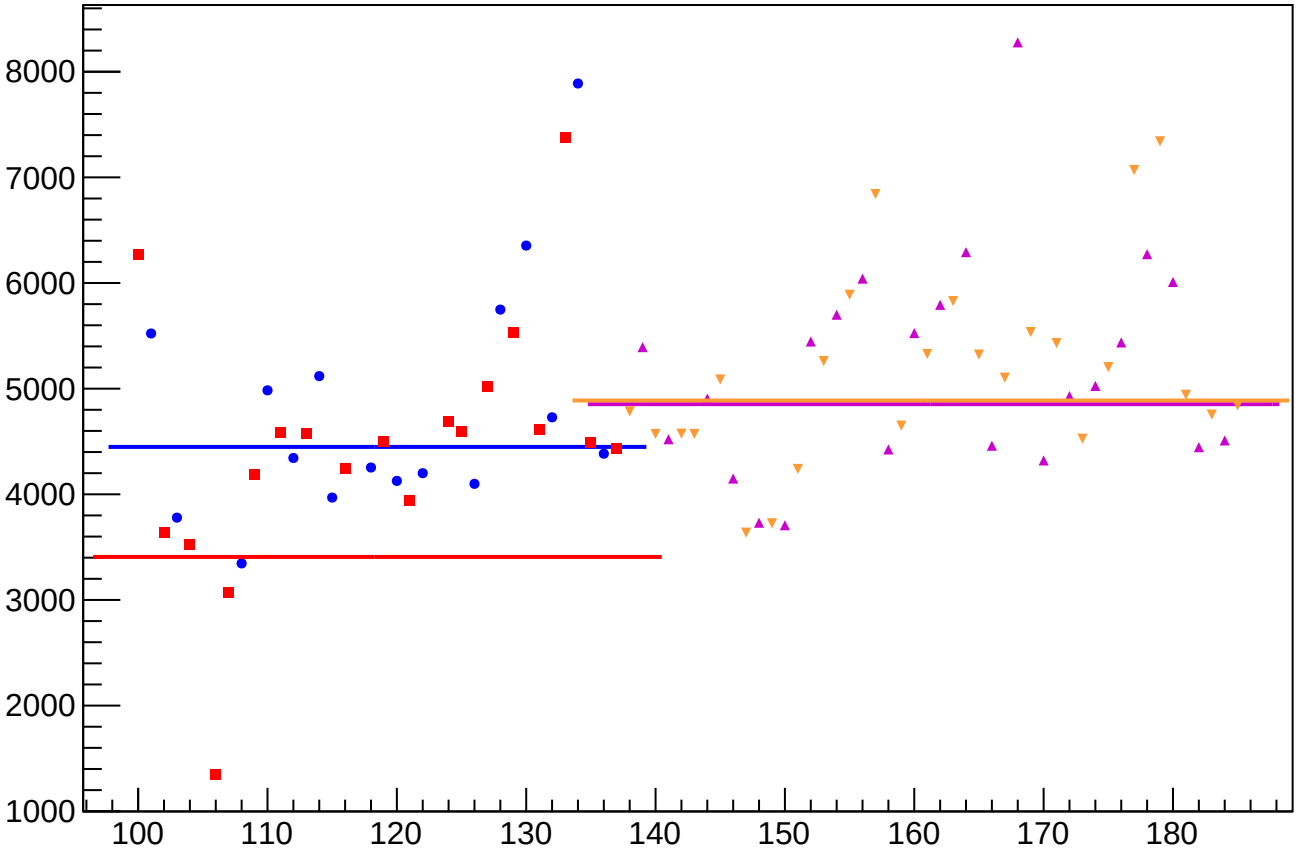
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

\+ sign -499.922+/-941.214 χ^2/NDF: 42.7/40

All: -144.224+/-643.513 χ^2/NDF: 72.4/82

\- 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: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

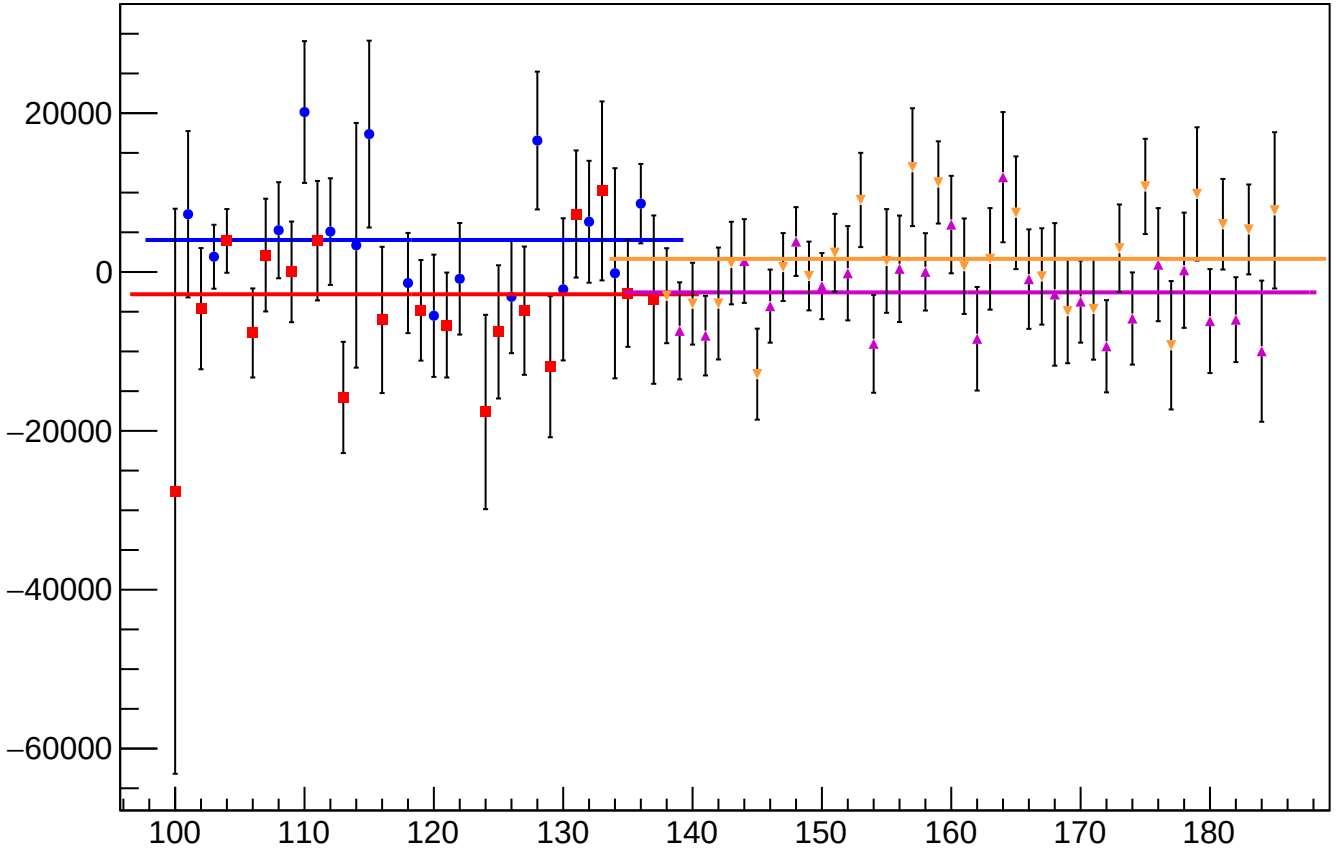
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4751.623+/-0.666 χ^2/NDF: 1651060.2/40

All: 4483.732+/-0.455 χ^2/NDF: 6768915.1/82

- sign 4248.586+/-0.624 χ^2/NDF: 4813618.9/41

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

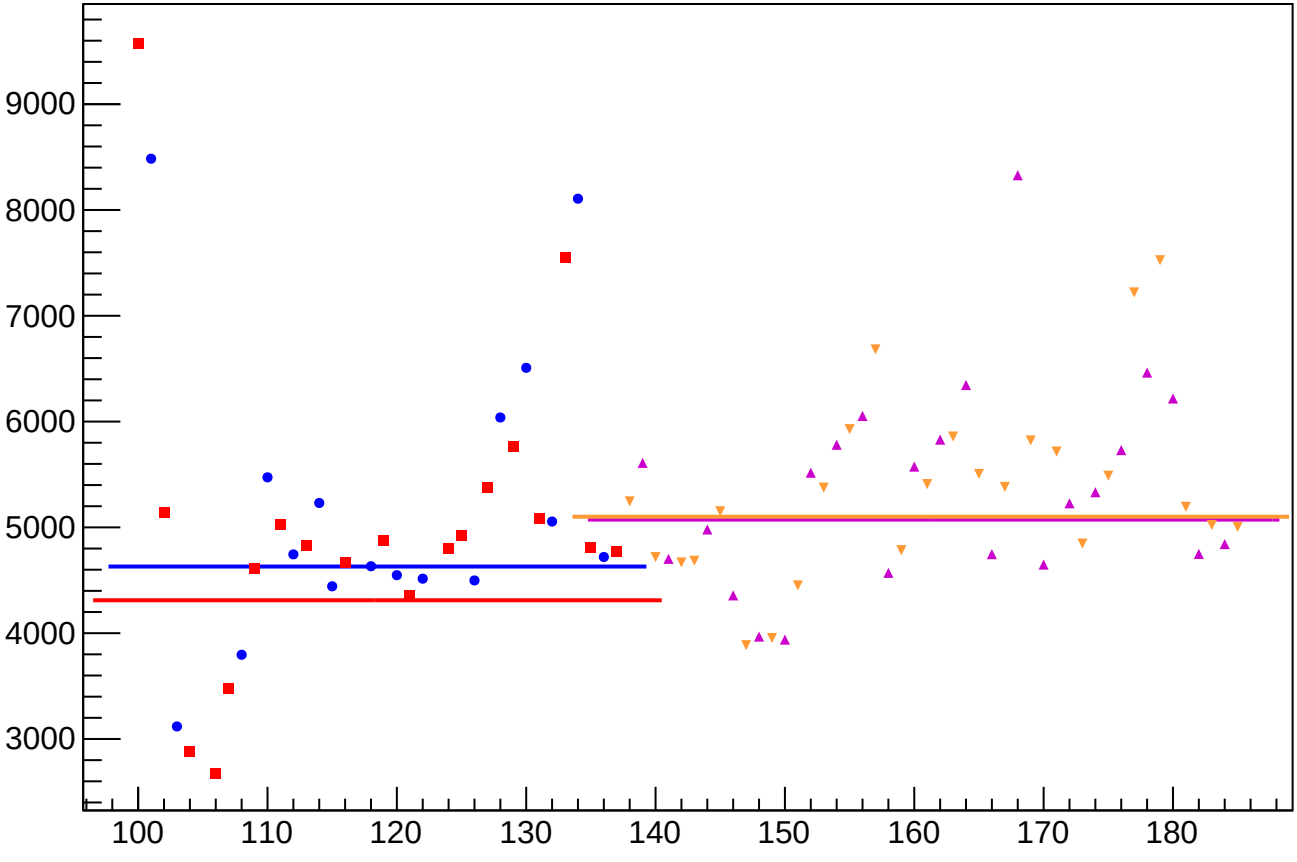
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2378.907+/-983.077 χ^2/NDF: 39.6/40

All: -147.735+/-693.074 χ^2/NDF: 84.1/82

- 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: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

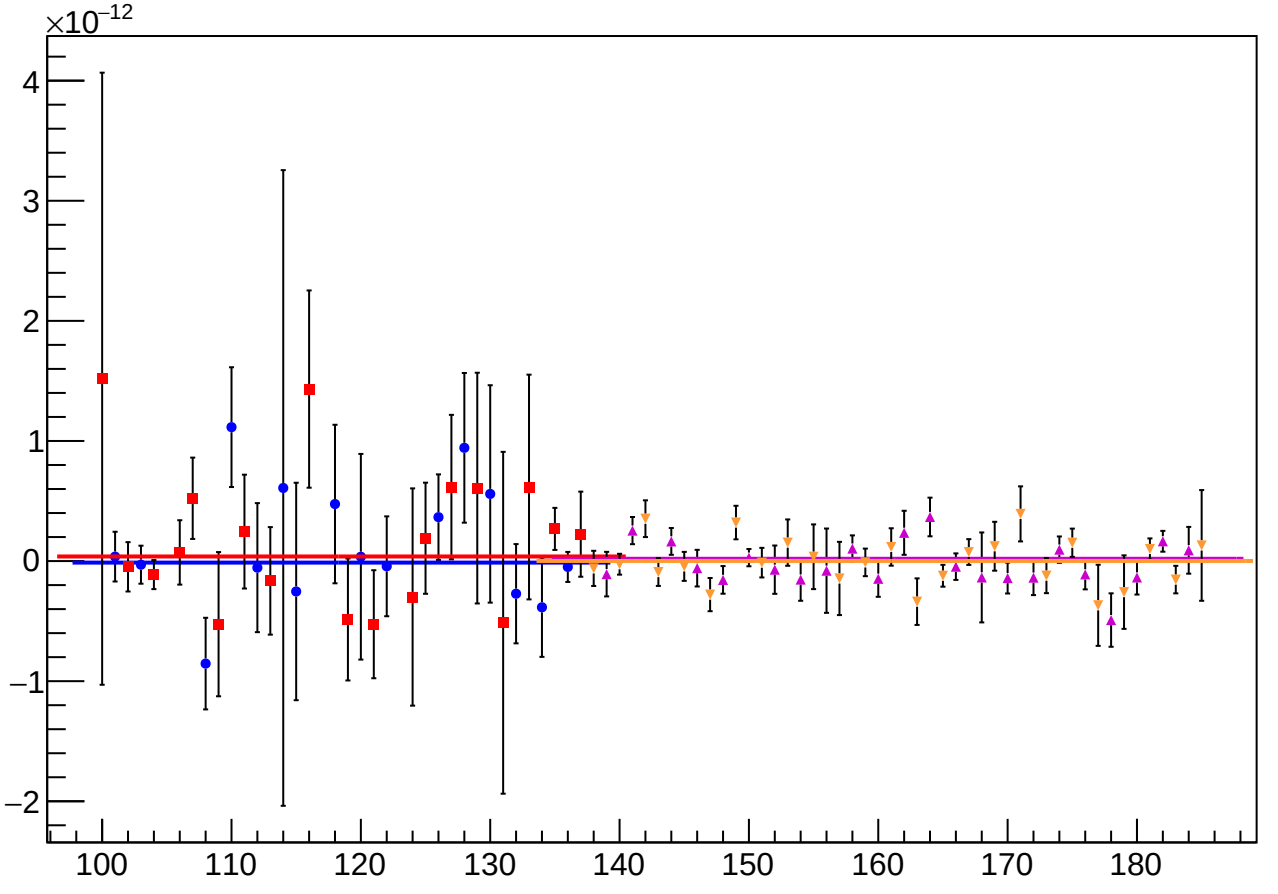
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 4957.401+/-0.695 χ^2/NDF: 1906637.6/40

All: 4883.088+/-0.489 χ^2/NDF: 4102828.6/82

- 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:33.3/24

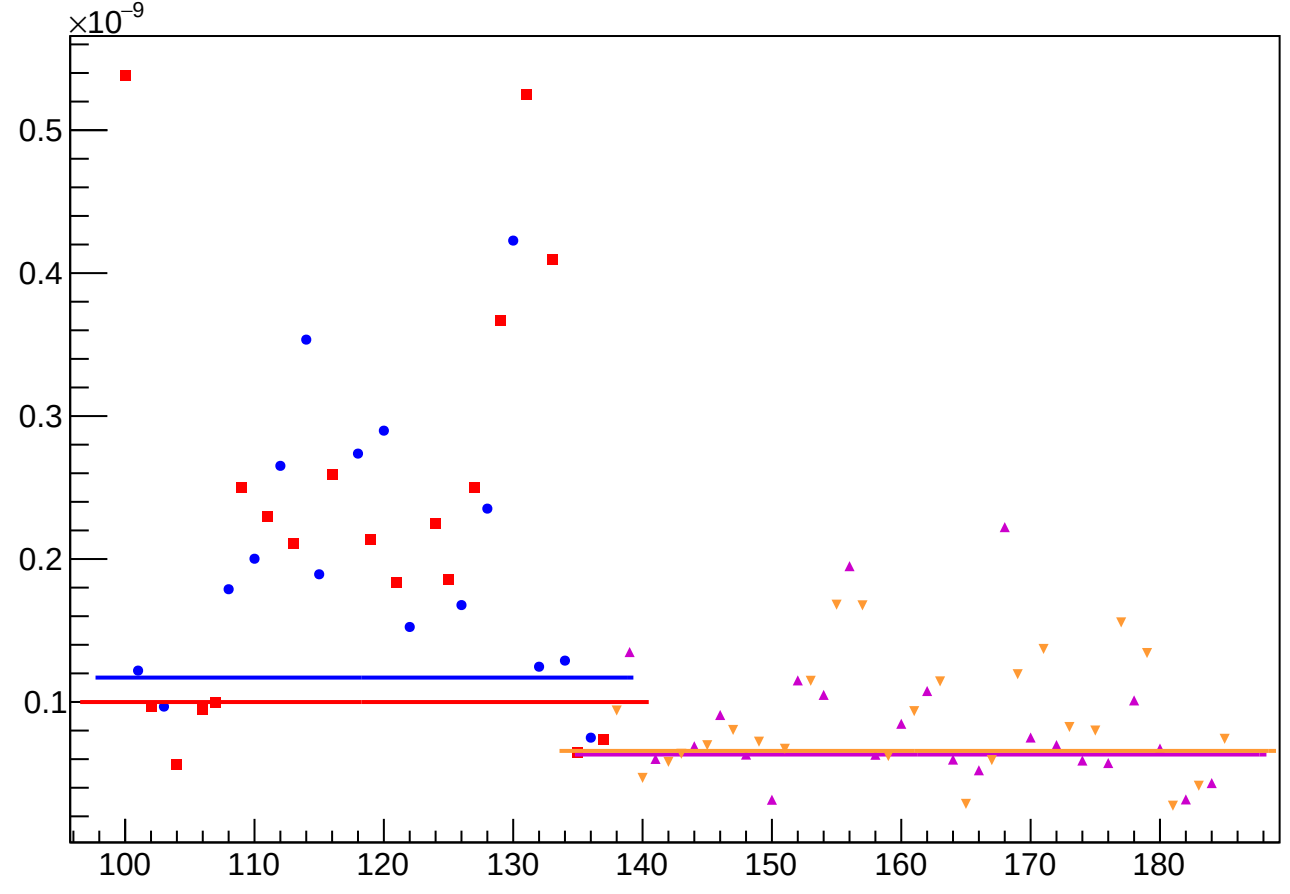
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/40

All: 0.000+/-0.000 χ^2/NDF: 97.0/82

- 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:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

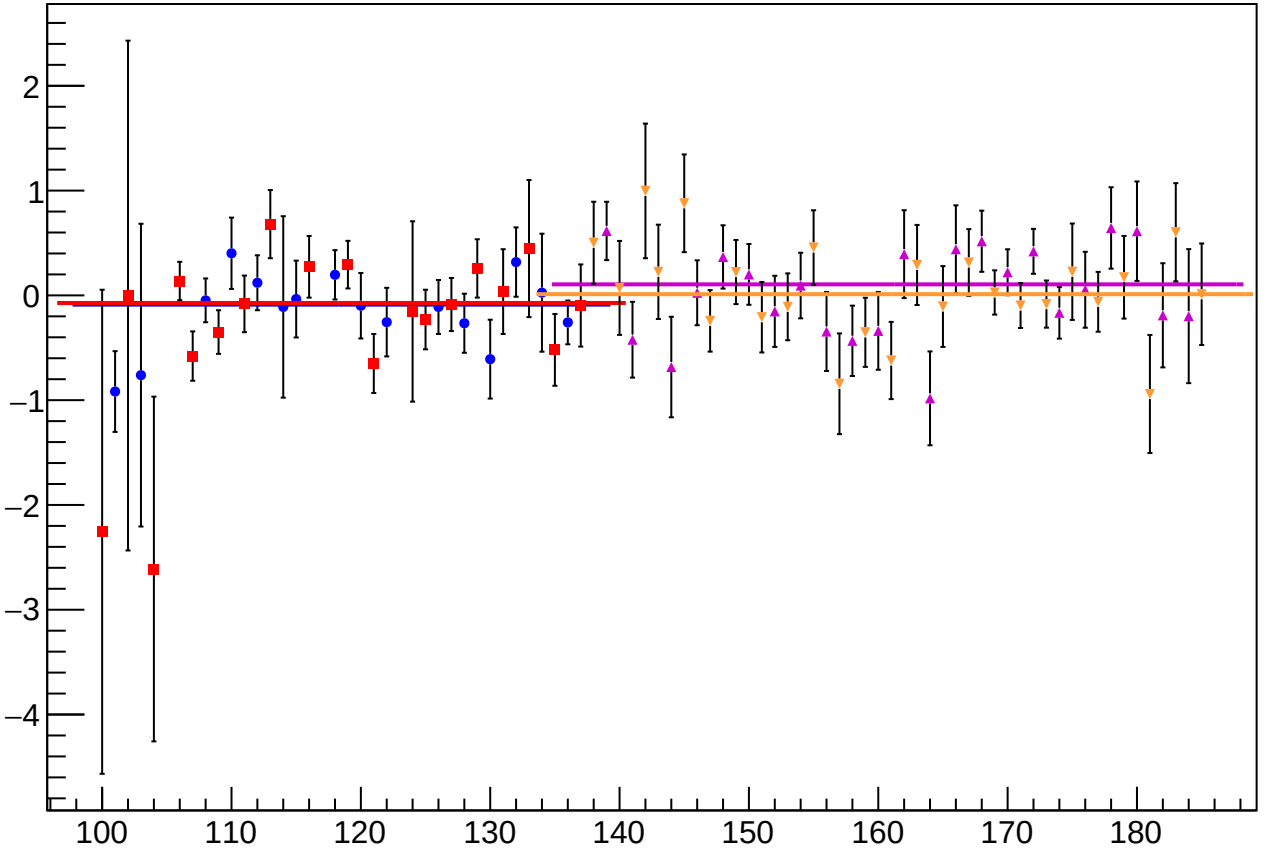
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4389936.3/40

All: 0.000+/-0.000 χ^2/NDF: 8901827.3/82

- 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+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

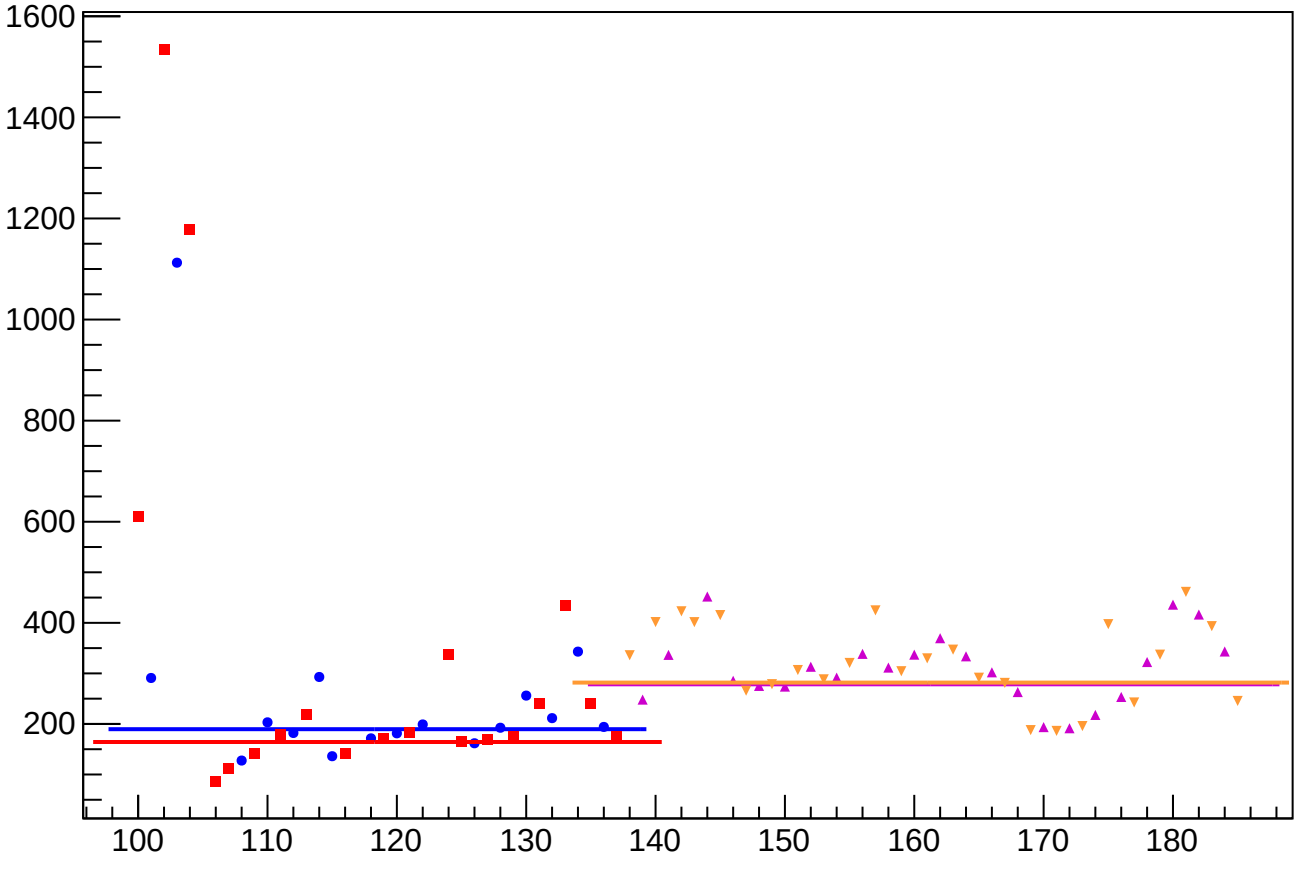
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.032+/-0.051 χ^2/NDF: 40.0/40

All: -0.006+/-0.035 χ^2/NDF: 103.9/82

- 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: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

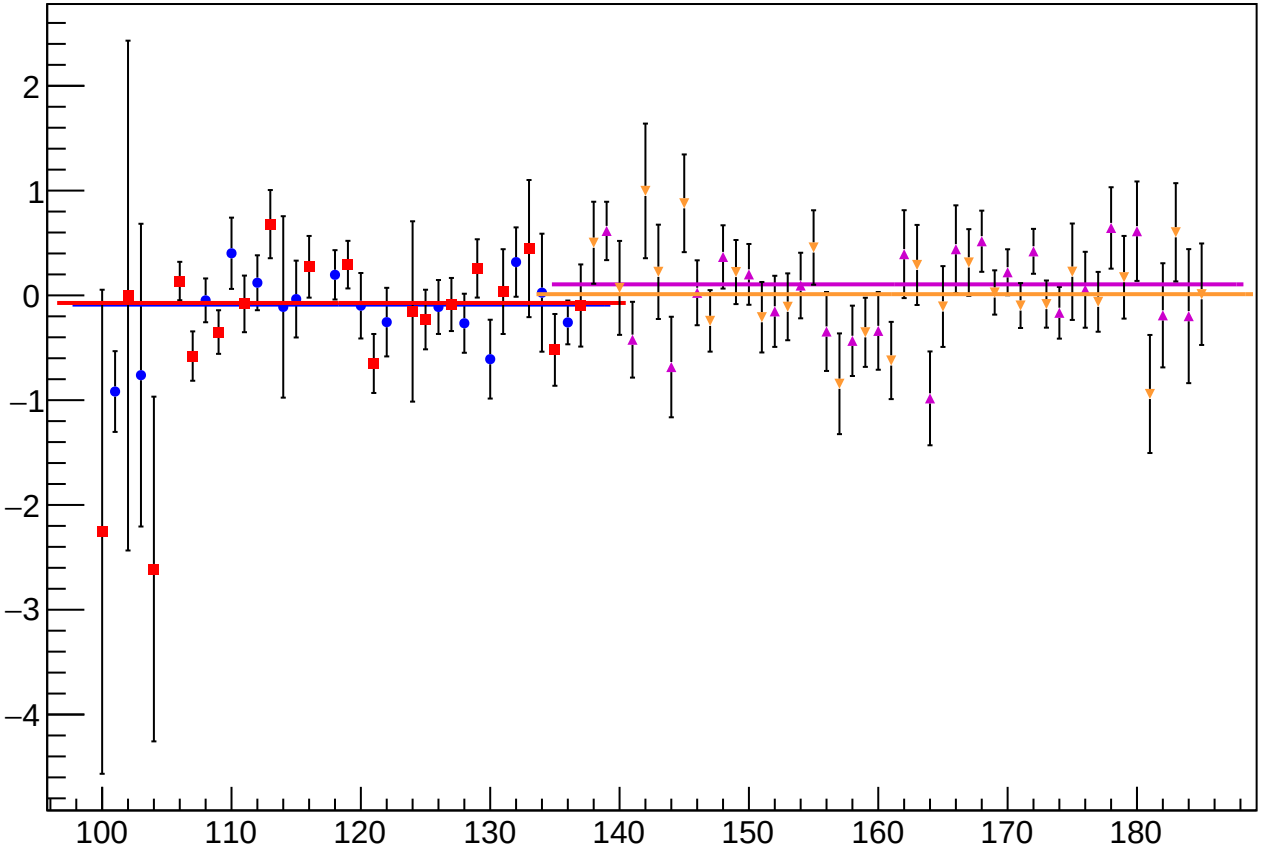
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 241.255+/-0.036 χ^2/NDF: 5601482.1/40

All: 231.524+/-0.025 χ^2/NDF: 12896525.5/82

- 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+/-0.068 χ^2/NDF:25.2/24

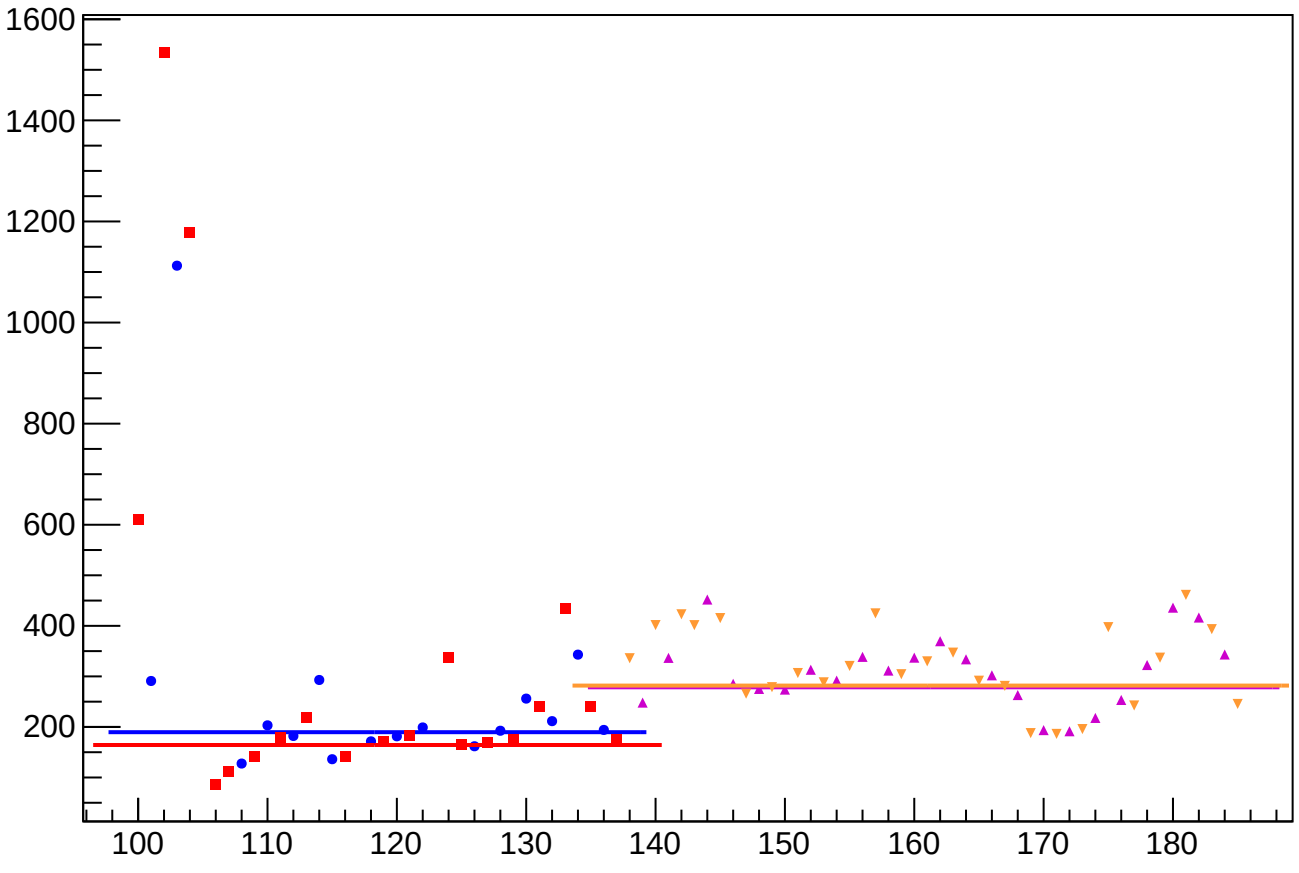
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

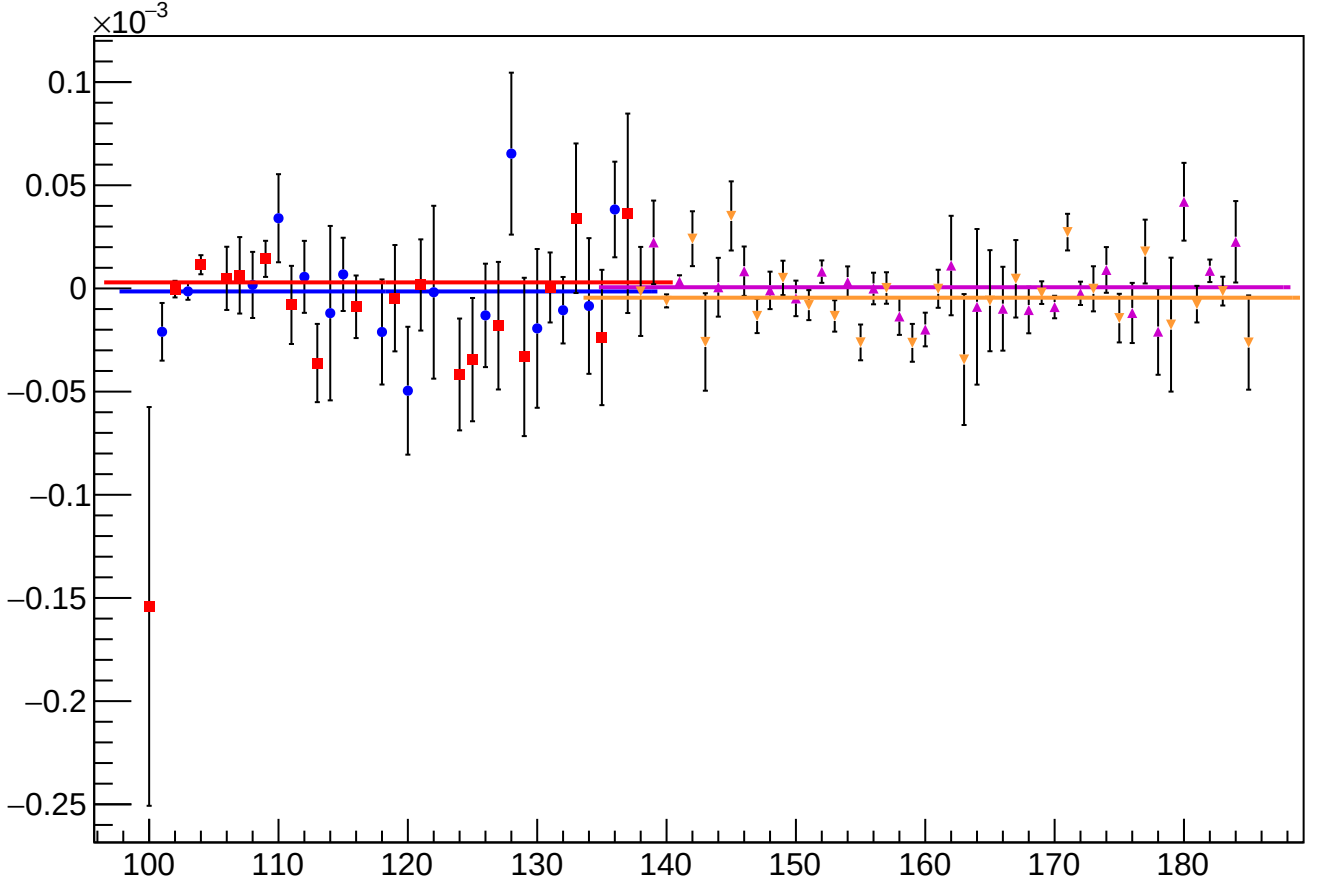
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.032+/-0.051 χ^2/NDF: 40.0/40

All: -0.006+/-0.035 χ^2/NDF: 103.9/82

- sign 0.018+/-0.049 χ^2/NDF: 63.4/41


asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 189.628+/-0.054 χ²/NDF: 1465476.9/15
Left Out: 281.818+/-0.048 χ²/NDF:2520824.2/24
Right Out: 164.287+/-0.050 χ²/NDF: 2643490.2/18
Left In: 278.409+/-0.049 χ²/NDF:1799690.4/22
+ sign 241.255+/-0.036 χ²/NDF: 5601482.1/40
All: 231.524+/-0.025 χ²/NDF: 12896525.5/82
- sign 222.514+/-0.035 χ²/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:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

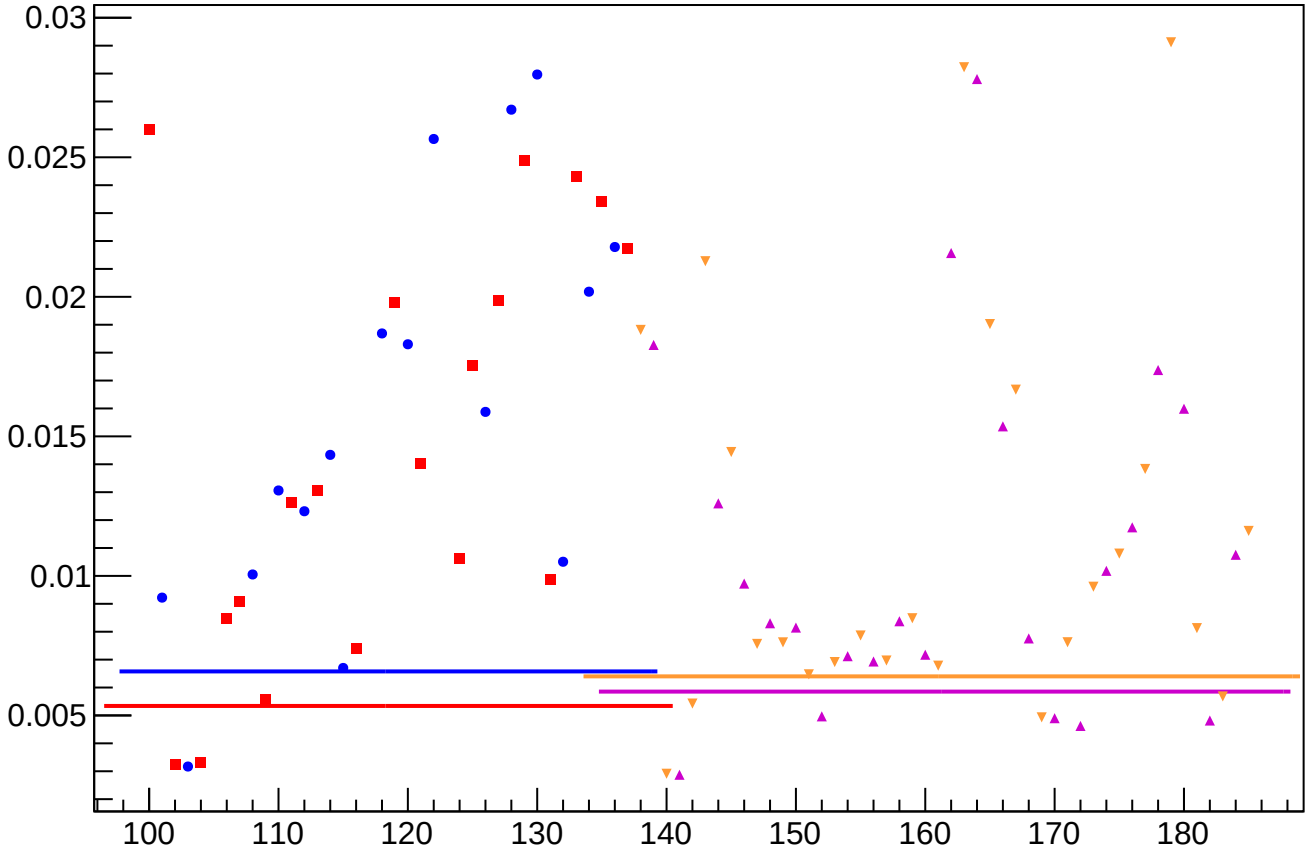
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.9/40

All: -0.000+/-0.000 χ^2/NDF: 119.0/82

- 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:8964265.3/24

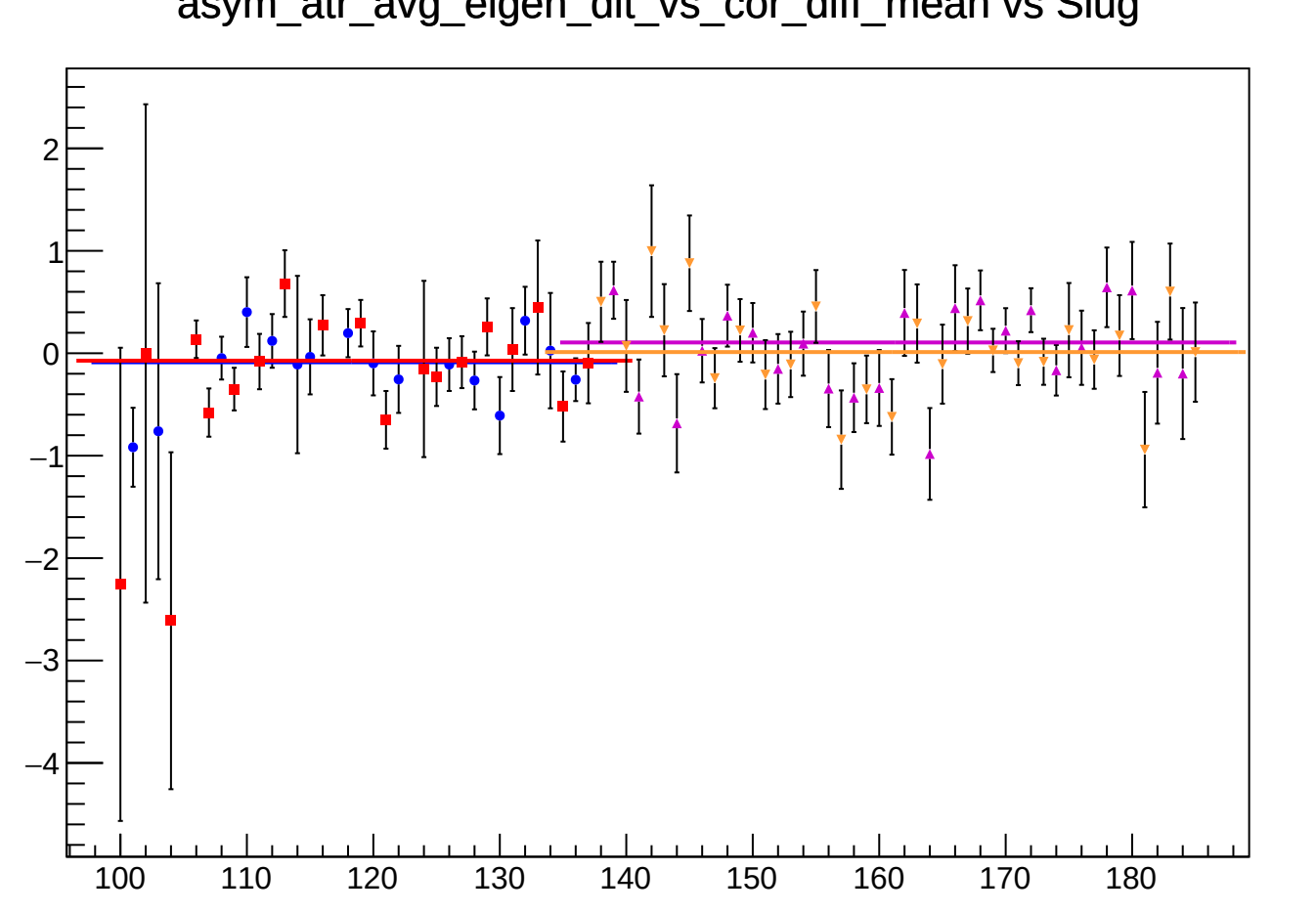
Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 14896798.9/40

All: 0.006+/-0.000 χ^2/NDF: 29037762.8/82

- sign 0.006+/-0.000 χ^2/NDF: 13887382.1/41



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

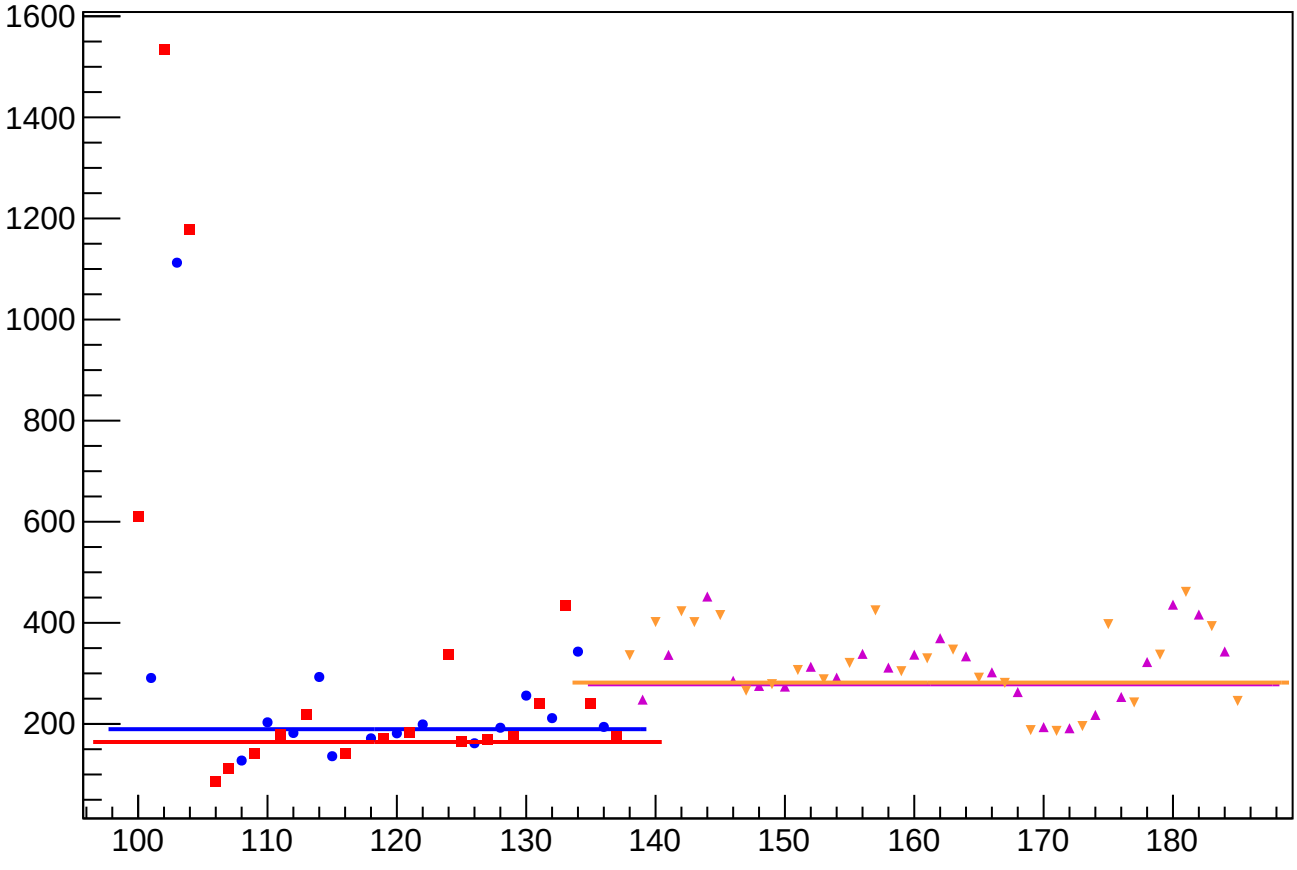
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.032+/-0.051 χ^2/NDF: 40.0/40

All: -0.006+/-0.035 χ^2/NDF: 103.9/82

\- 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: 281.820+/-0.048 χ^2/NDF:2520889.0/24

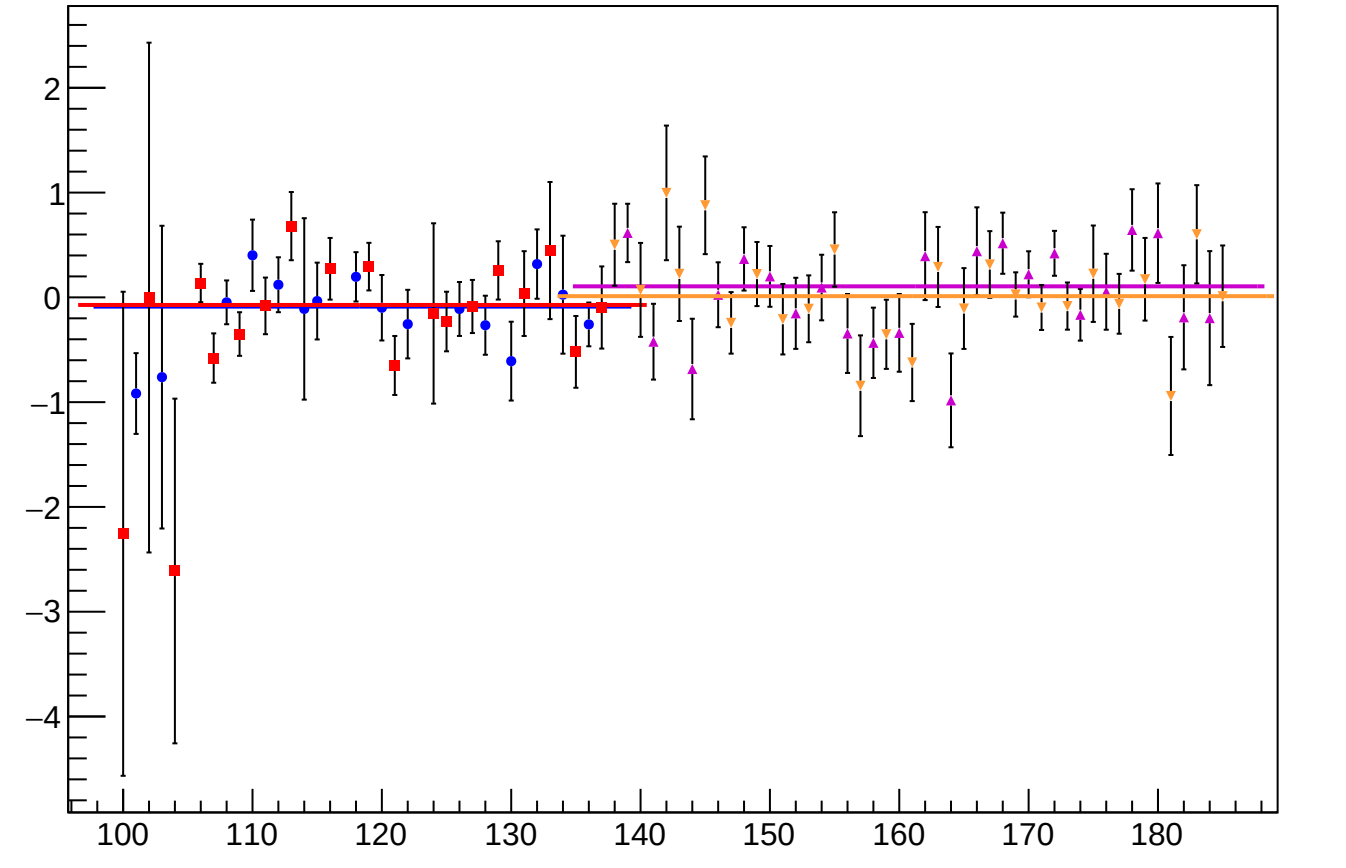
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 241.256+/-0.036 χ^2/NDF: 5601643.8/40

All: 231.525+/-0.025 χ^2/NDF: 12896853.7/82

- sign 222.514+/-0.035 χ^2/NDF: 7154541.6/41



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

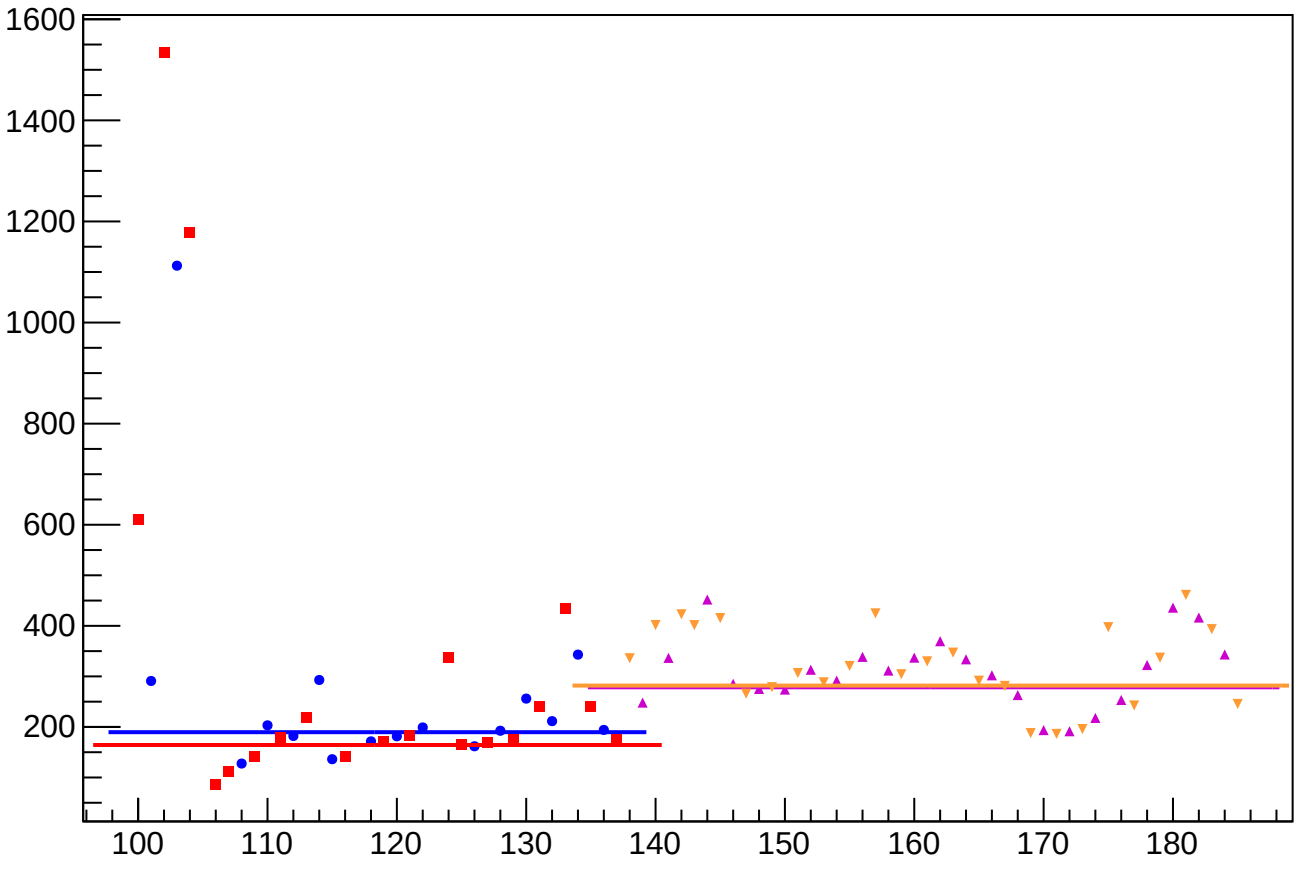
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

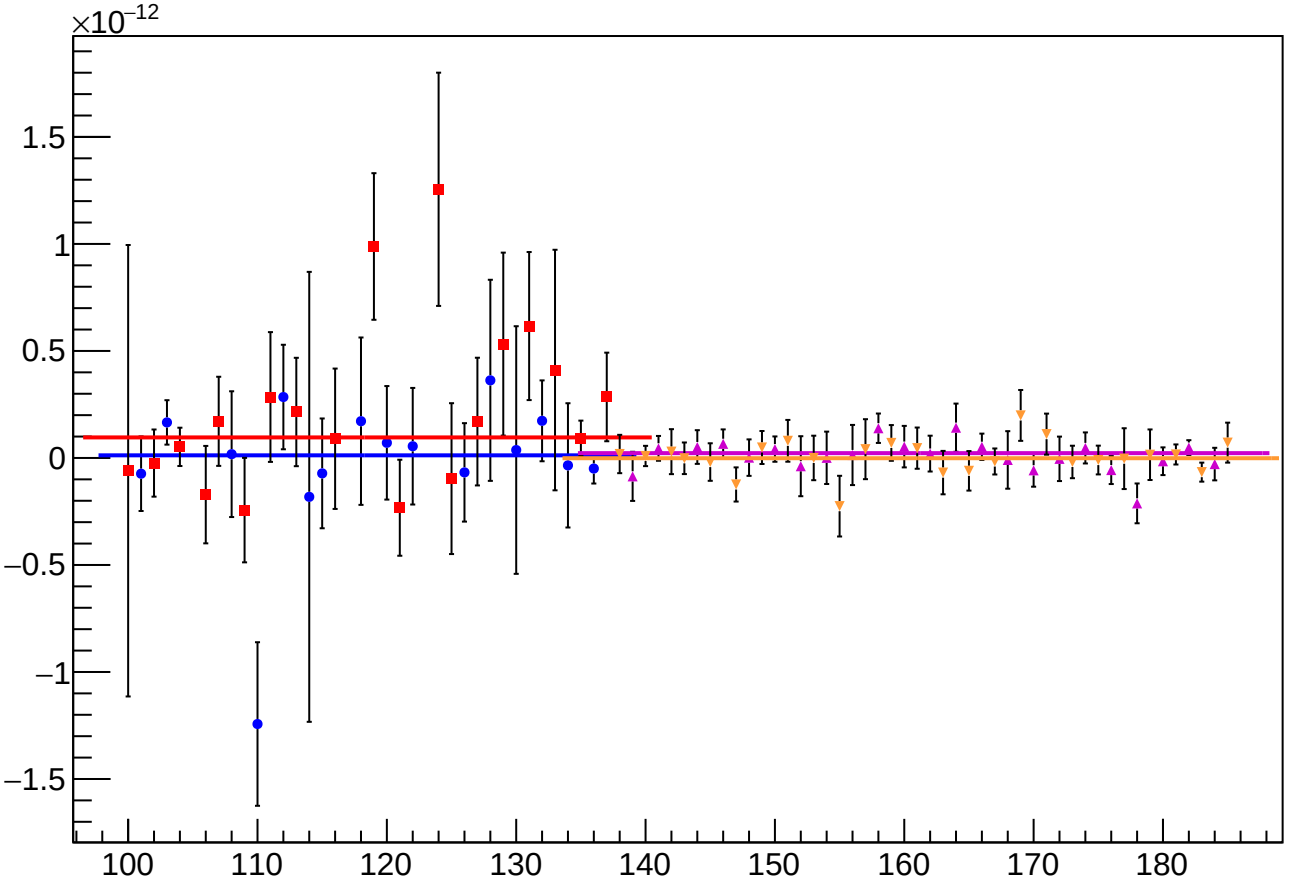
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.032+/-0.051 χ^2/NDF: 40.0/40

All: -0.006+/-0.035 χ^2/NDF: 103.9/82

- sign 0.018+/-0.049 χ^2/NDF: 63.4/41


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 241.256+/-0.036 χ²/NDF: 5601643.8/40
All: 231.525+/-0.025 χ²/NDF: 12896853.7/82
- sign 222.514+/-0.035 χ²/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:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

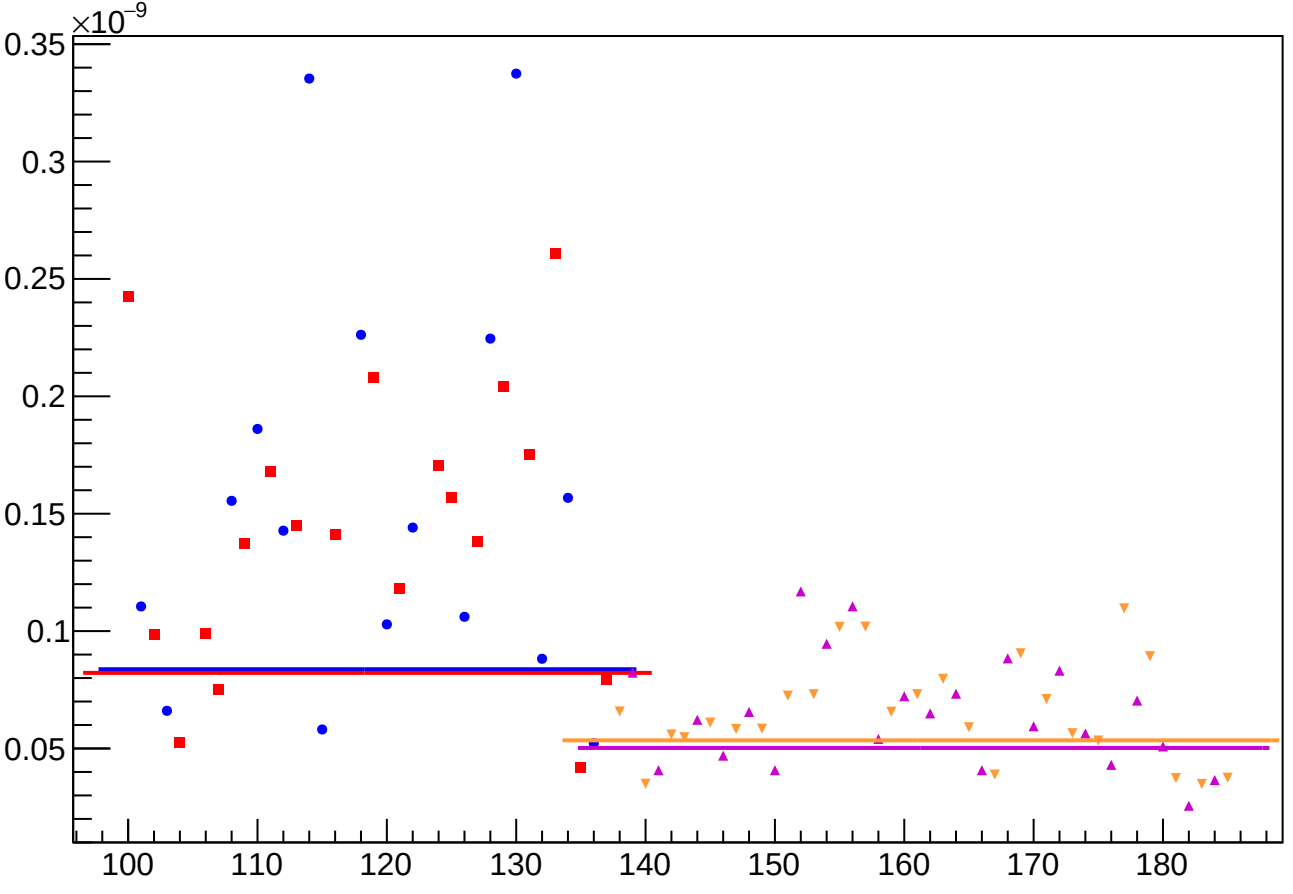
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/40

All: 0.000+/-0.000 χ^2/NDF: 77.0/82

- 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:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

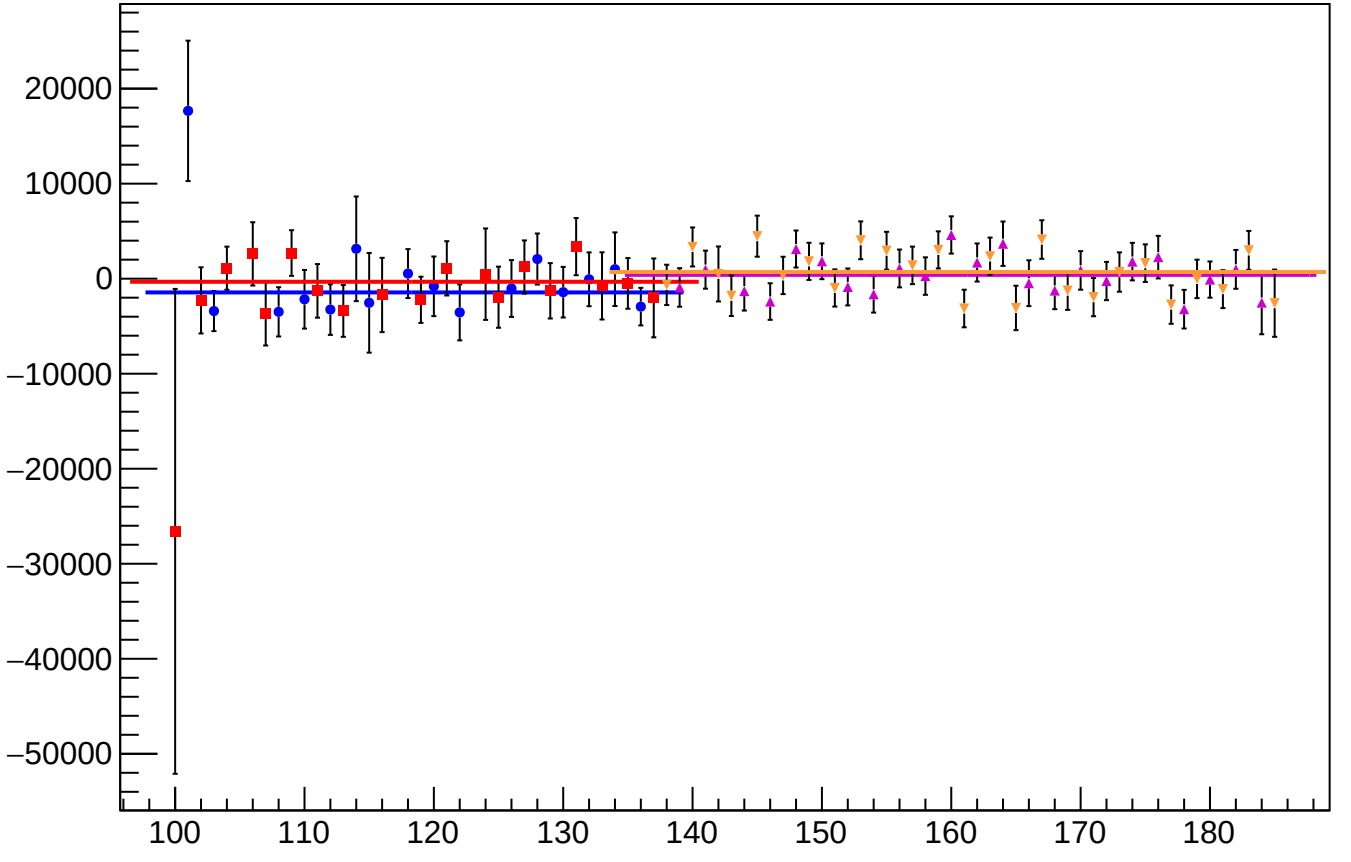
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5681385.4/40

All: 0.000+/-0.000 χ^2/NDF: 12279125.9/82

- 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: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

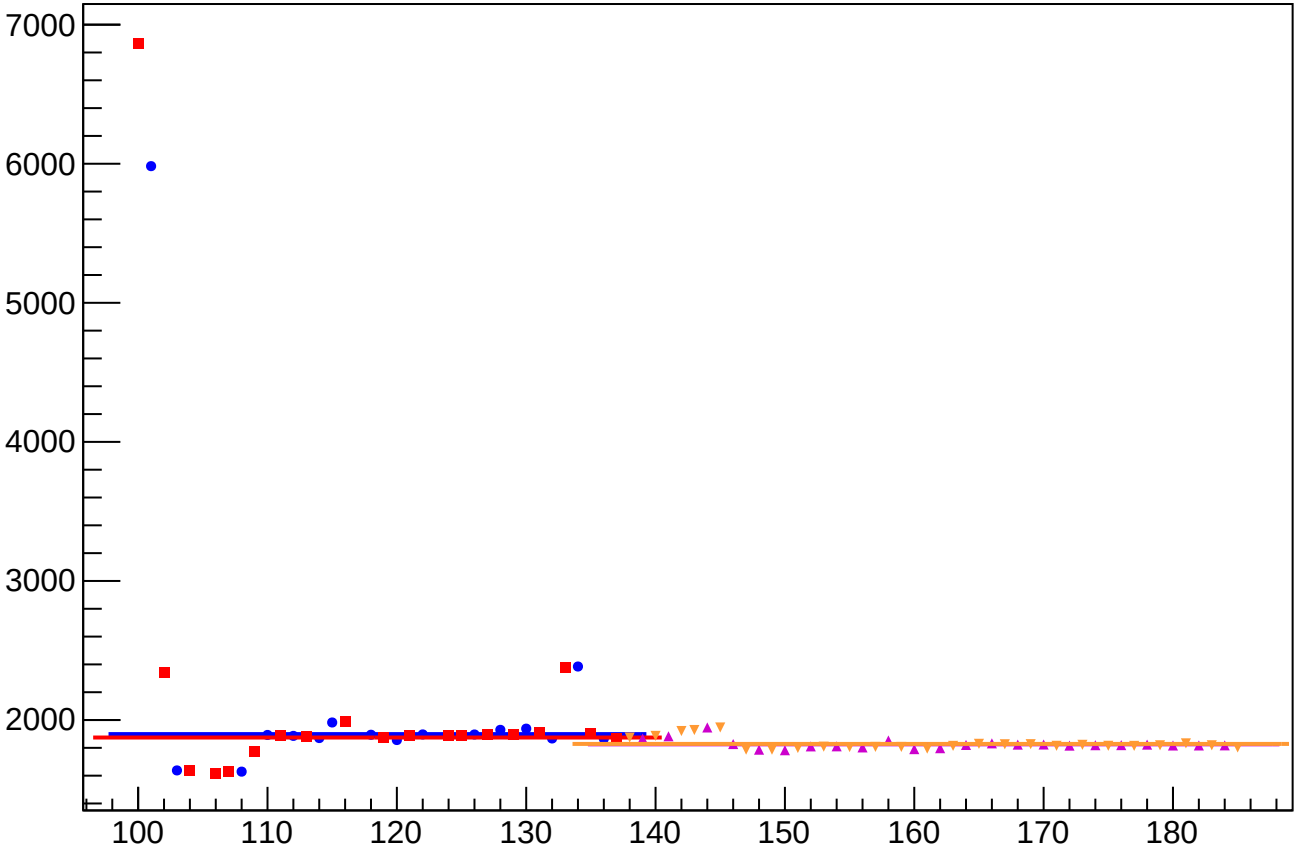
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 171.772+/-360.189 χ^2/NDF: 52.1/40

All: 189.204+/-256.173 χ^2/NDF: 83.6/82

- 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: 1828.243+/-0.294 χ^2/NDF:19329.0/24

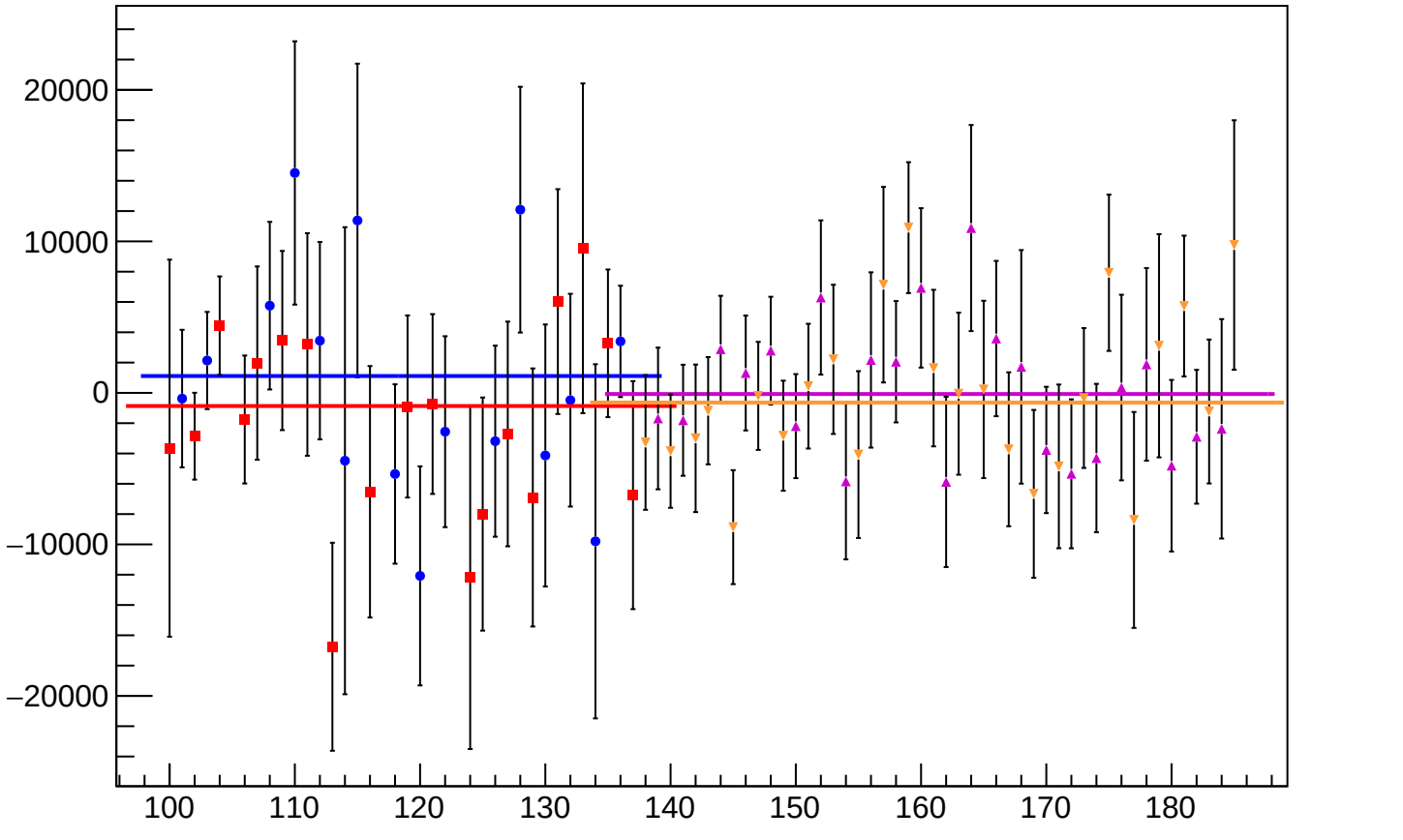
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1845.754+/-0.255 χ^2/NDF: 731170.2/40

All: 1842.133+/-0.181 χ^2/NDF: 959767.4/82

- 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: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

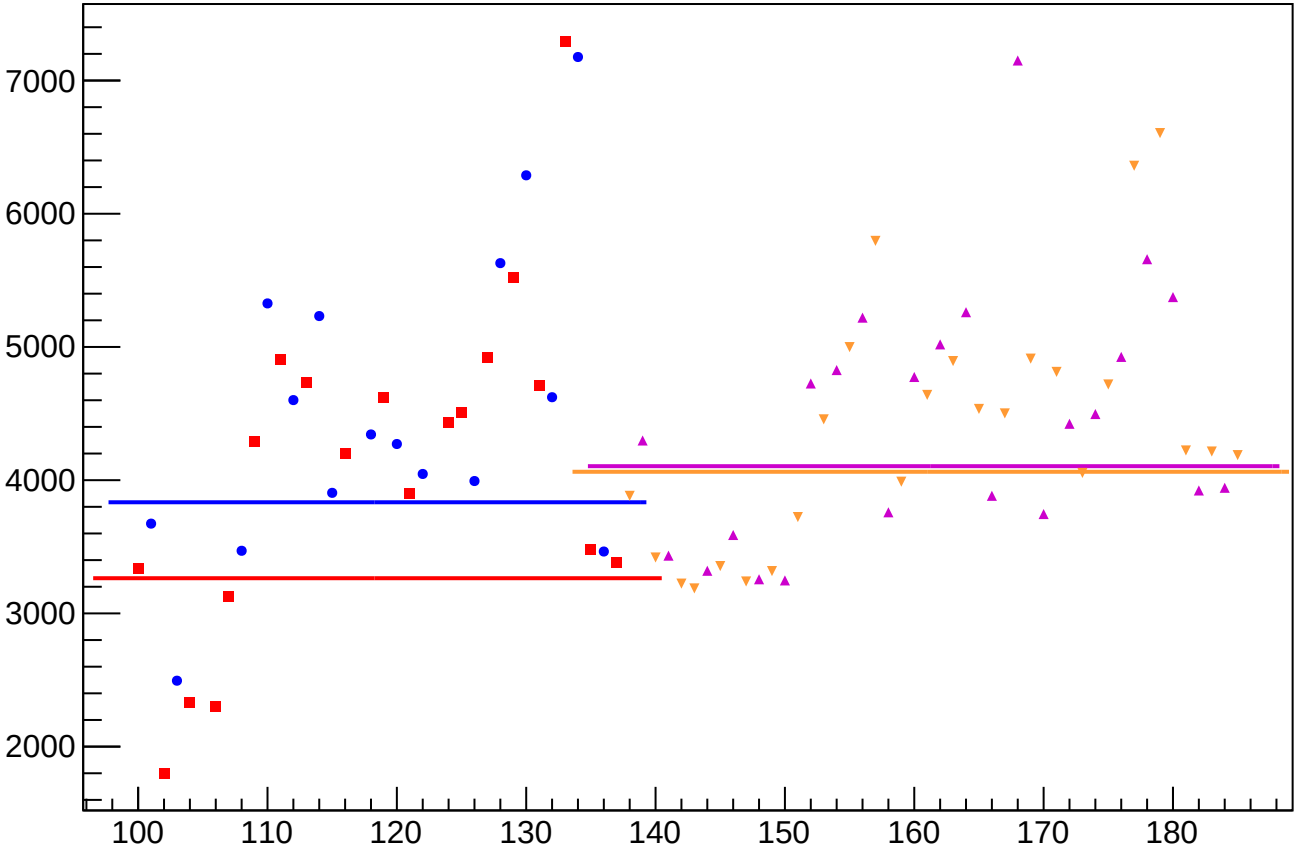
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -128.968+/-797.485 χ^2/NDF: 40.3/40

All: -246.690+/-559.167 χ^2/NDF: 71.7/82

- sign -360.536+/-784.245 χ^2/NDF: 31.3/41

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

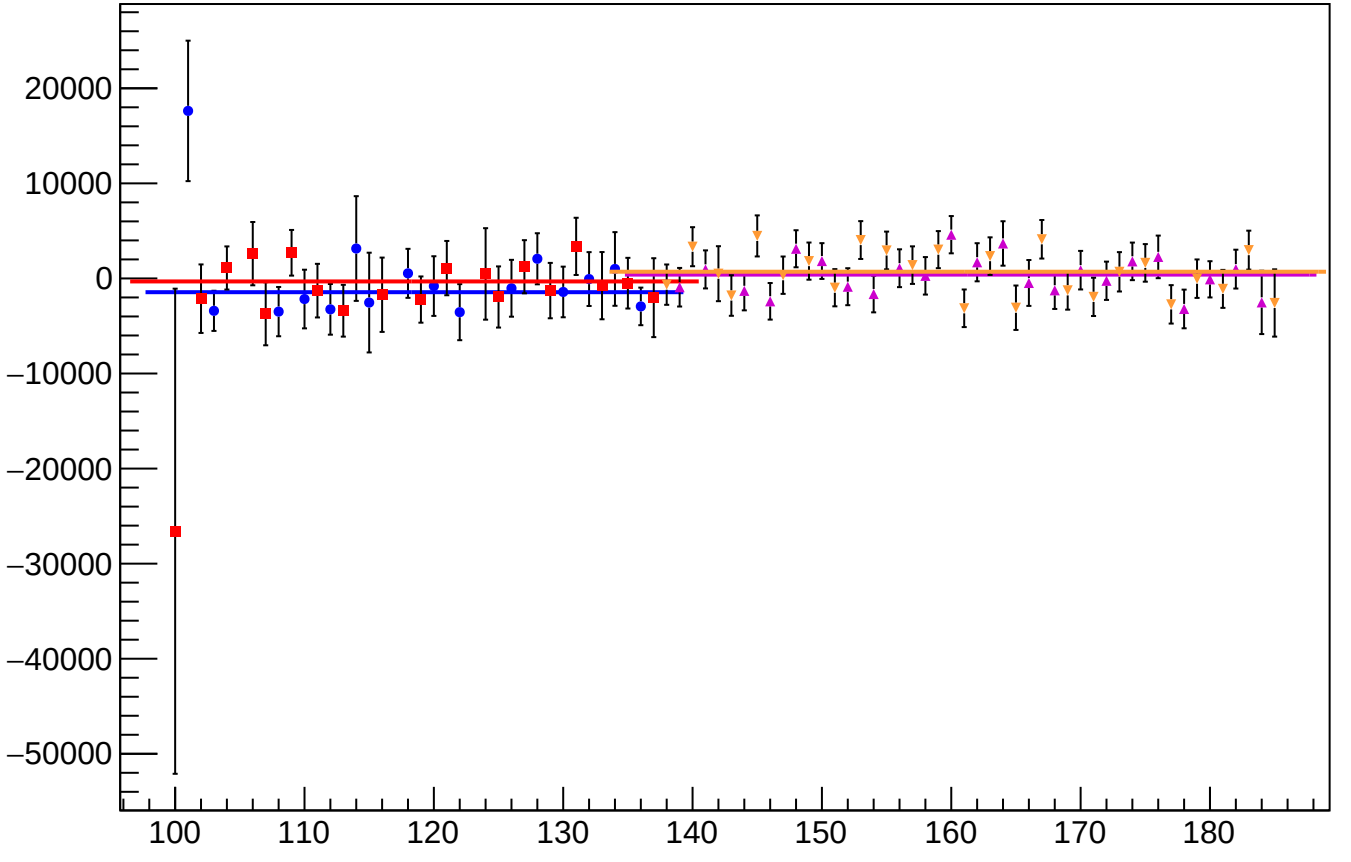
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 3996.568+/-0.564 χ^2/NDF: 2395795.2/40

All: 3897.851+/-0.395 χ^2/NDF: 6209601.3/82

- 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: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

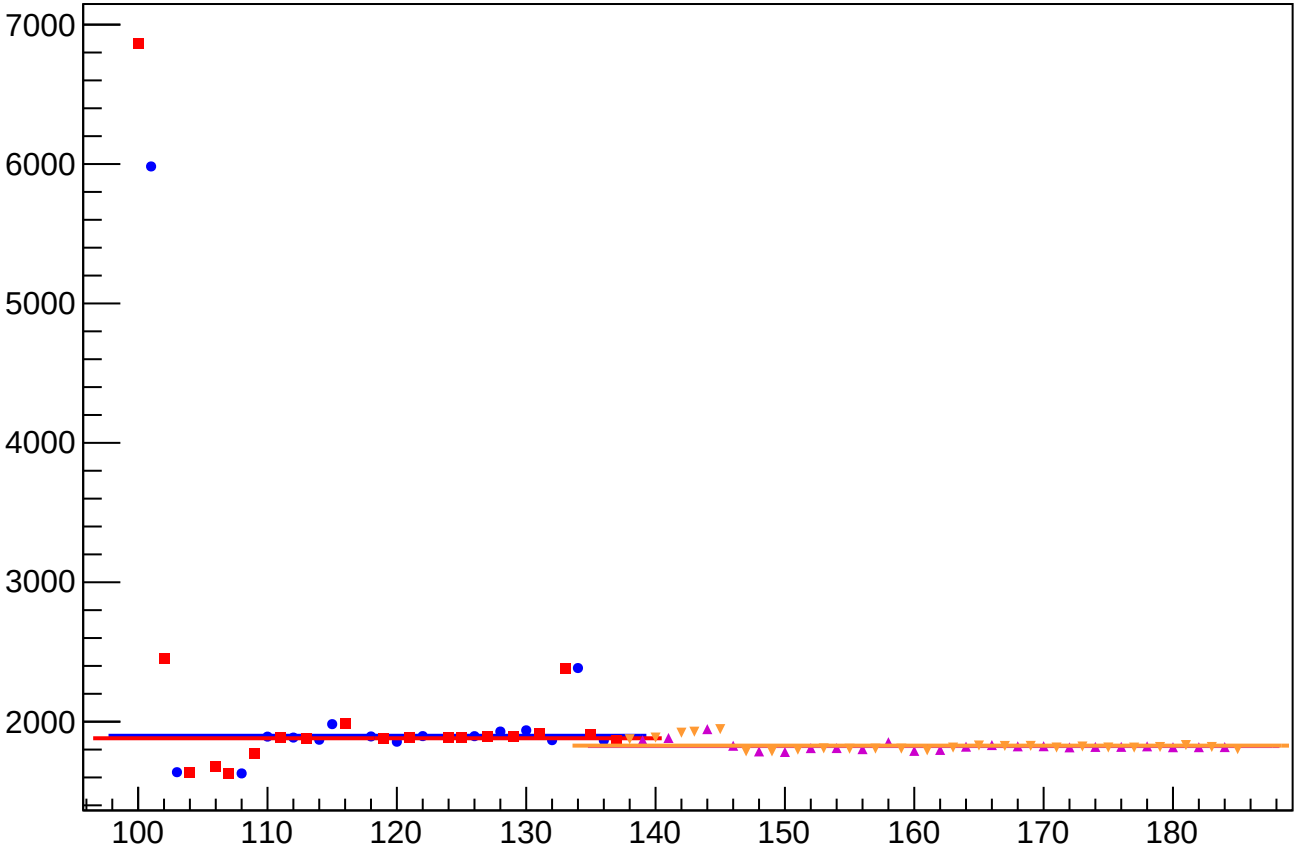
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 171.720+/-360.189 χ^2/NDF: 52.1/40

All: 190.688+/-256.219 χ^2/NDF: 83.5/82

- 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: 1828.243+/-0.294 χ^2/NDF:19329.0/24

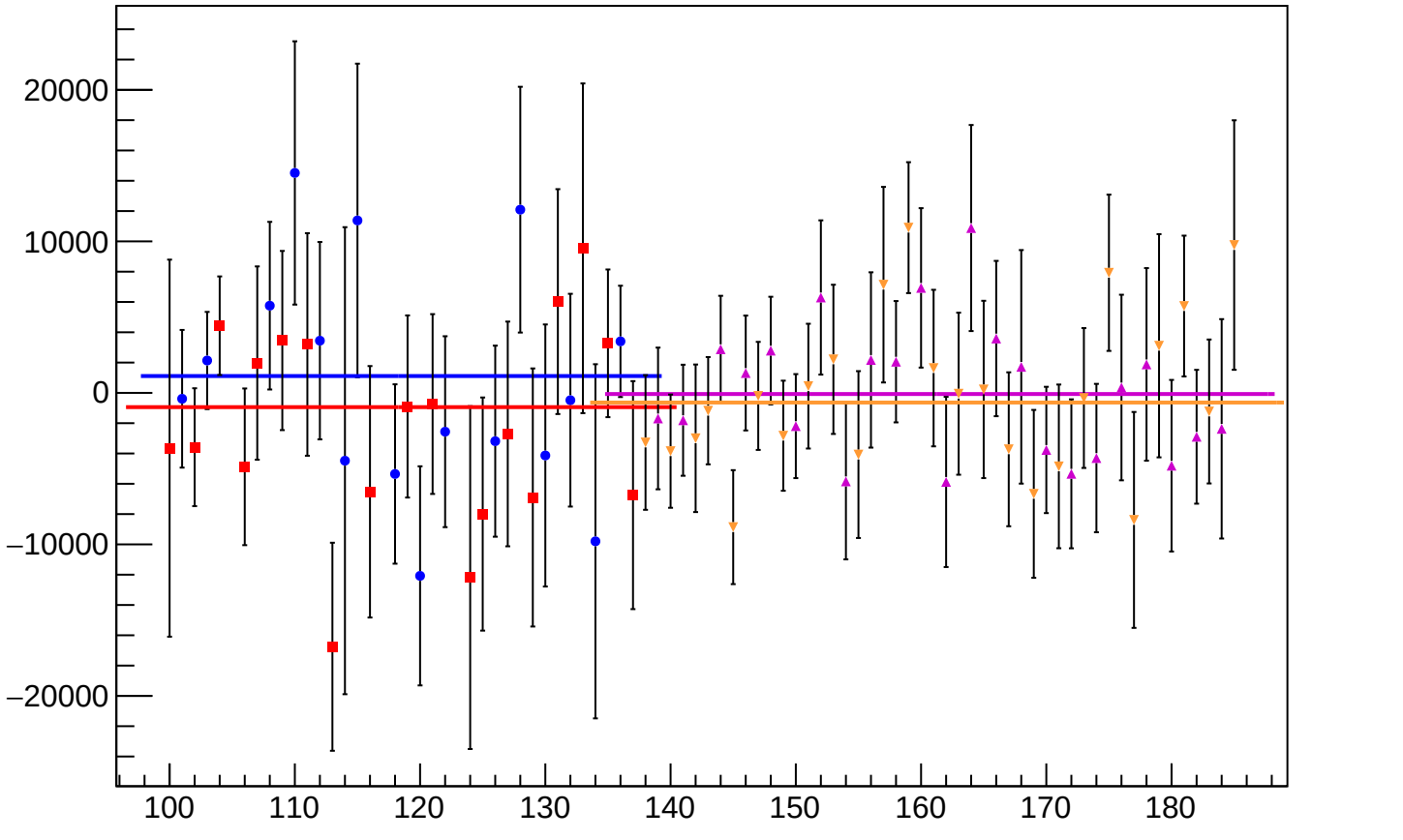
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

\+ sign 1845.754+/-0.255 χ^2/NDF: 731170.2/40

All: 1843.004+/-0.181 χ^2/NDF: 970567.8/82

\- 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: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

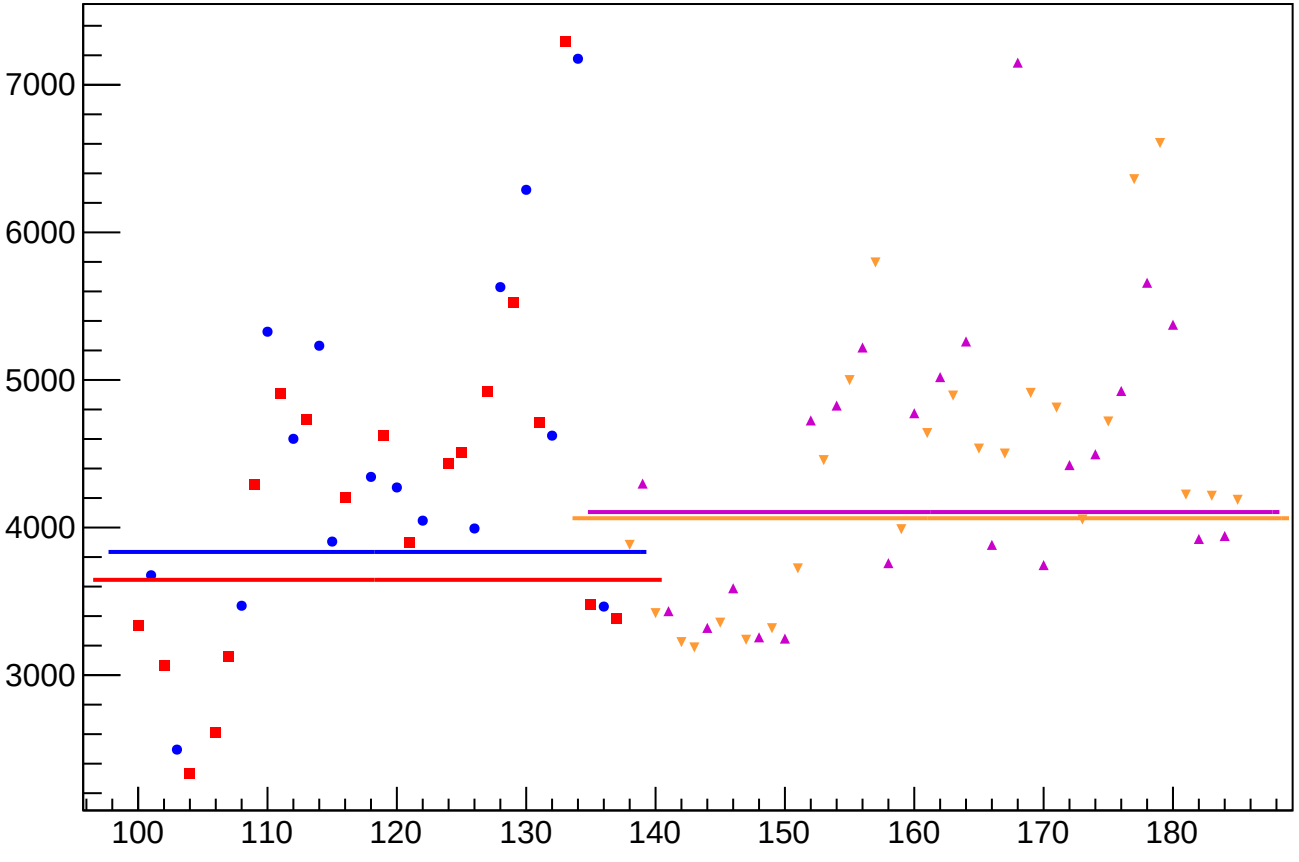
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

\+ sign -129.404+/-797.512 χ^2/NDF: 40.3/40

All: -244.238+/-565.783 χ^2/NDF: 72.3/82

\- 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: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

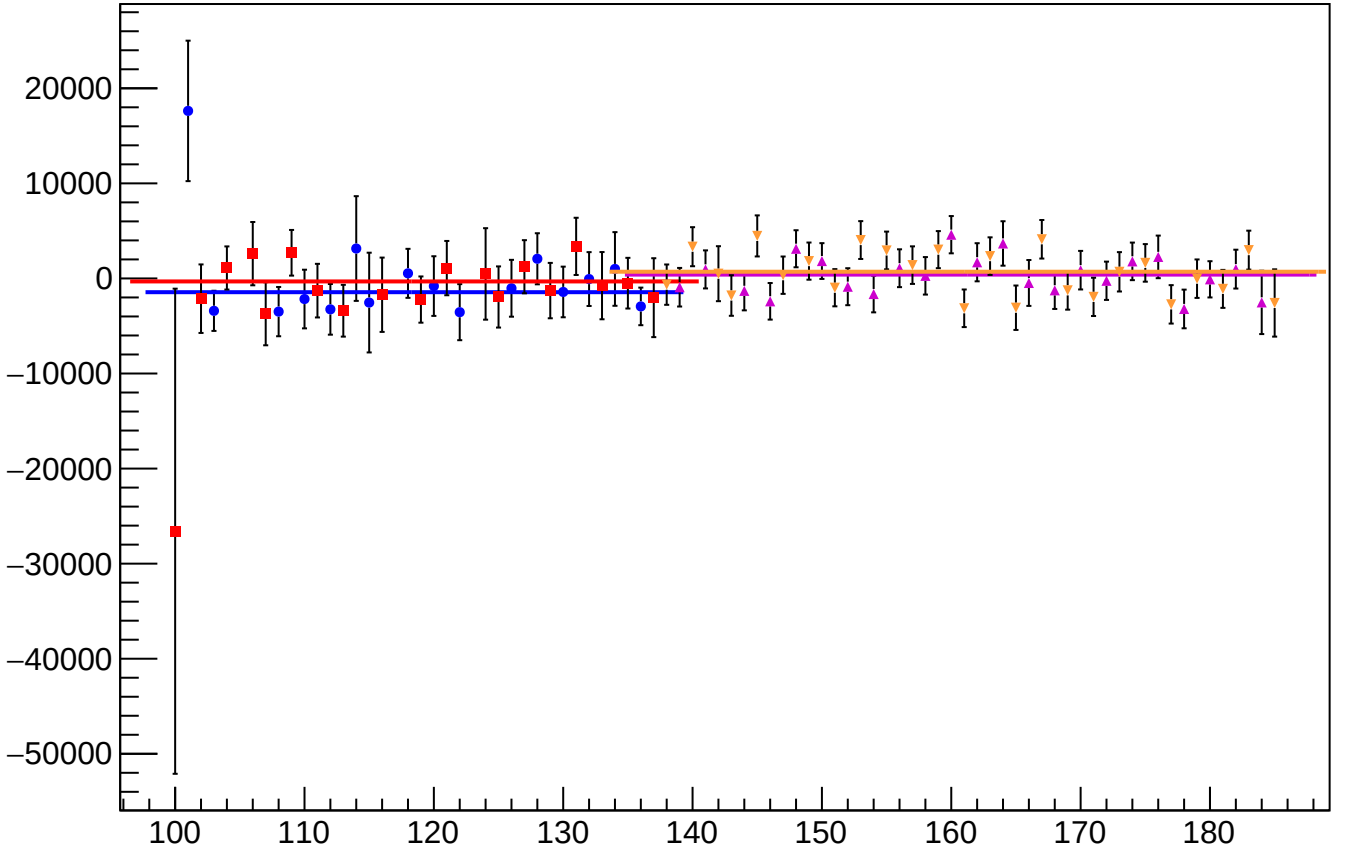
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3996.730+/-0.564 χ^2/NDF: 2395163.7/40

All: 3975.401+/-0.400 χ^2/NDF: 5027152.2/82

- 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: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

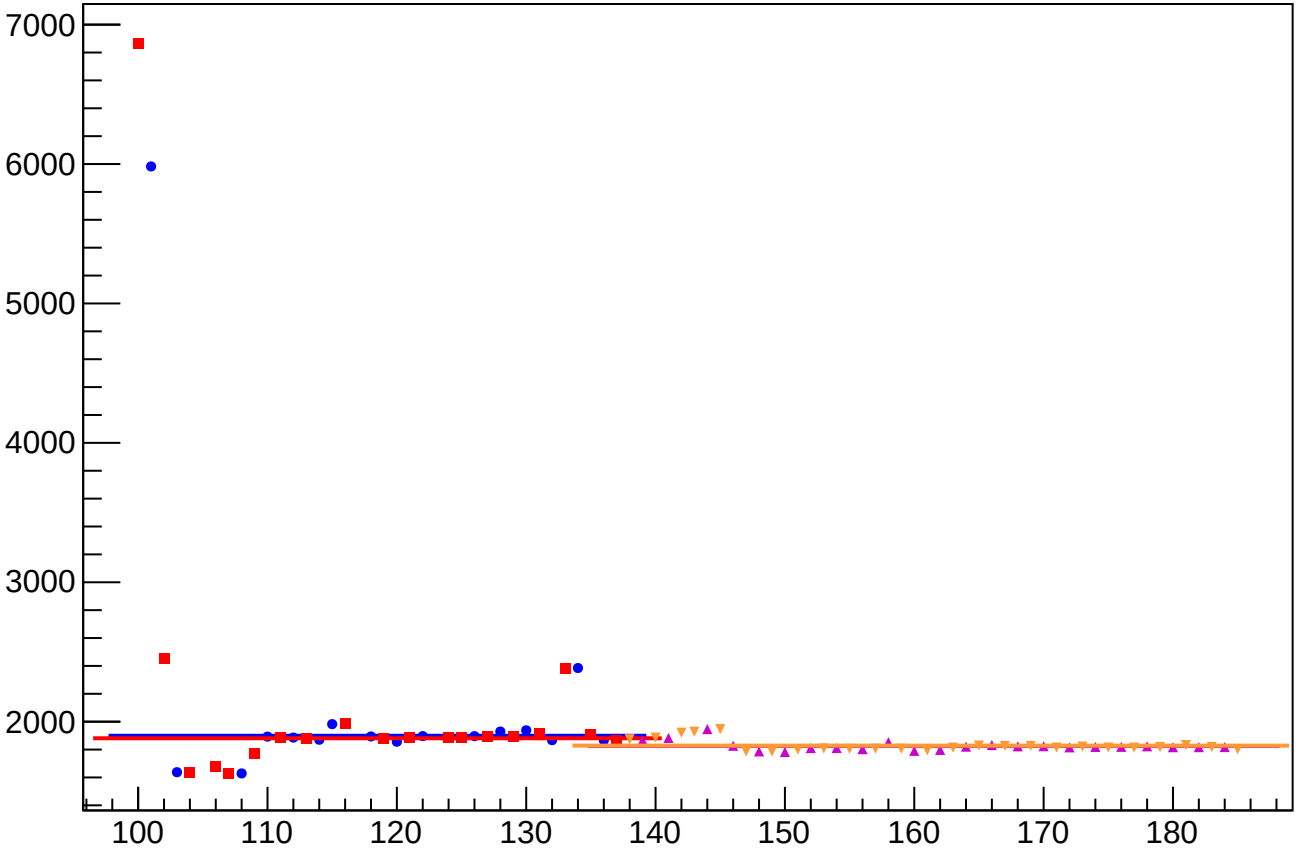
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 171.720+/-360.189 χ^2/NDF: 52.1/40

All: 190.688+/-256.219 χ^2/NDF: 83.5/82

- 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: 1828.243+/-0.294 χ^2/NDF:19329.0/24

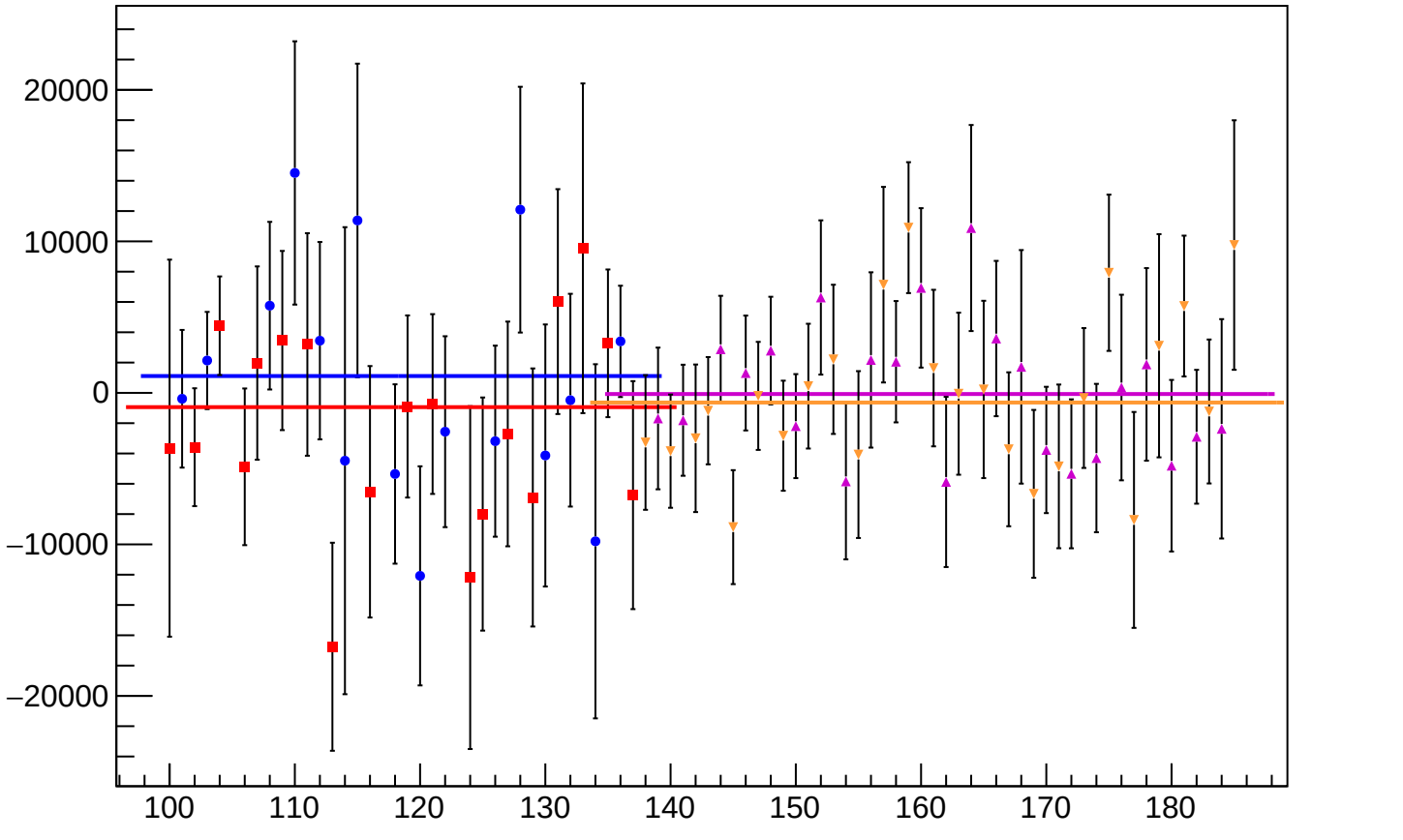
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1845.754+/-0.255 χ^2/NDF: 731170.2/40

All: 1843.004+/-0.181 χ^2/NDF: 970567.8/82

- 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: -637.720+/-946.866 χ^2/NDF:26.0/24

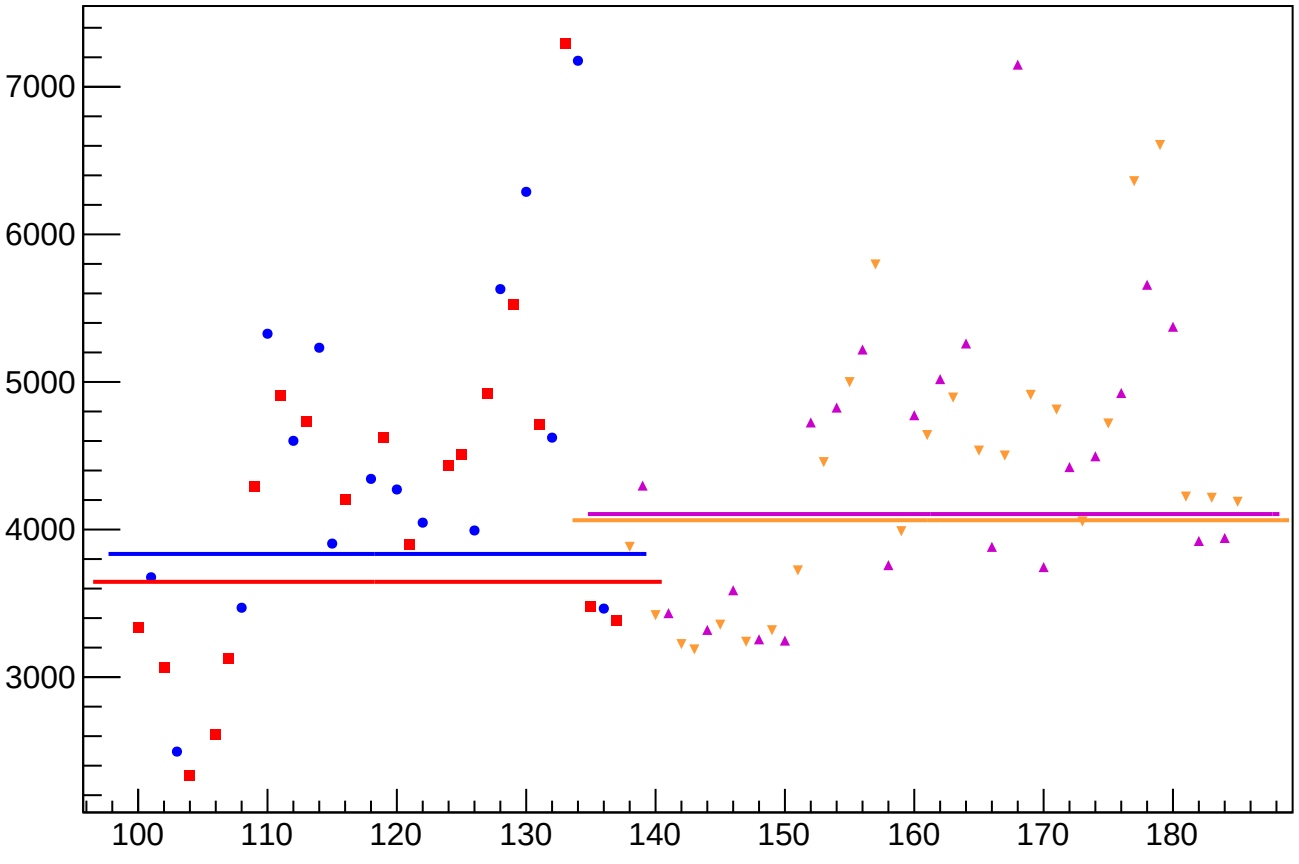
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -129.404+/-797.512 χ^2/NDF: 40.3/40

All: -244.238+/-565.783 χ^2/NDF: 72.3/82

- 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: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

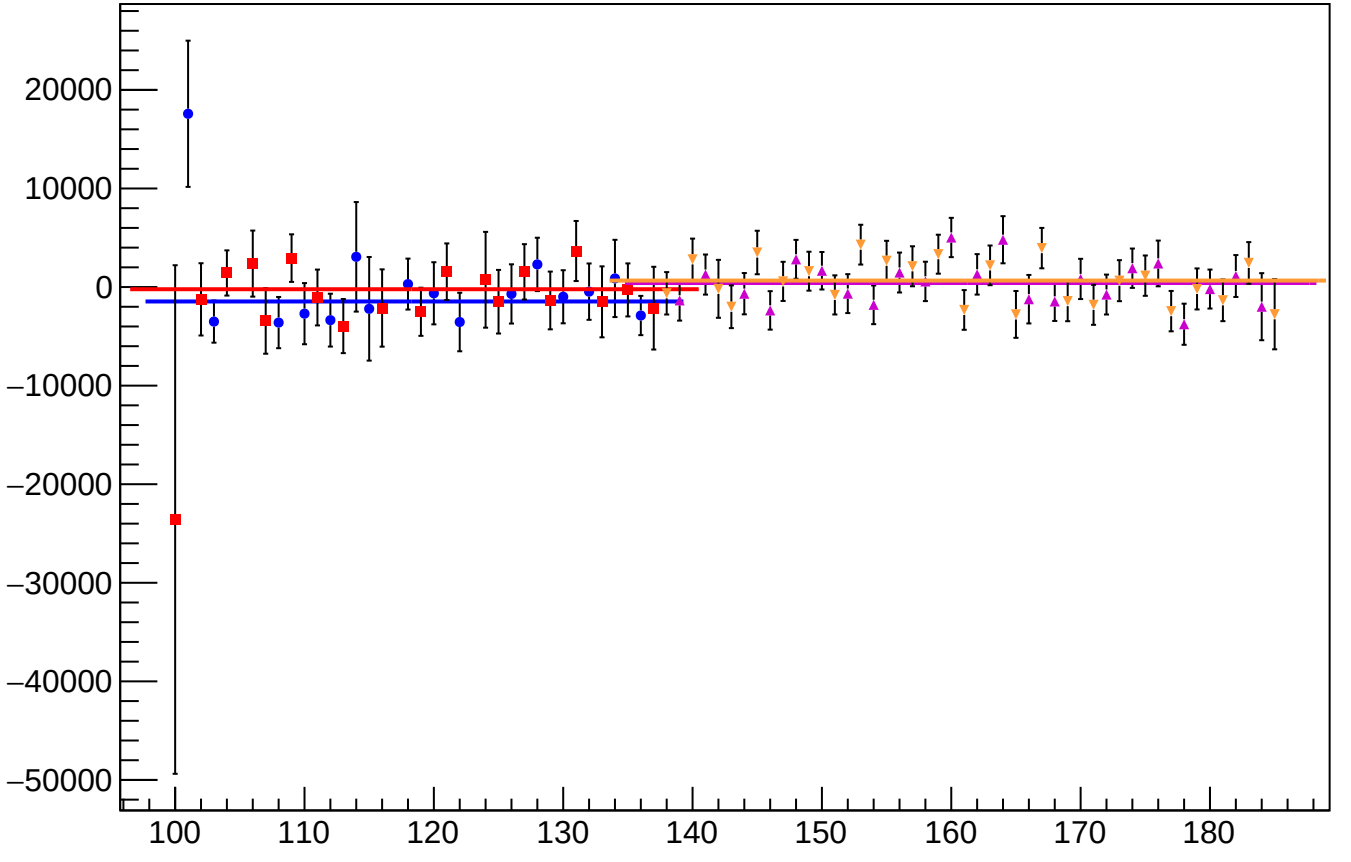
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3996.730+/-0.564 χ^2/NDF: 2395163.7/40

All: 3975.401+/-0.400 χ^2/NDF: 5027152.2/82

- 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: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

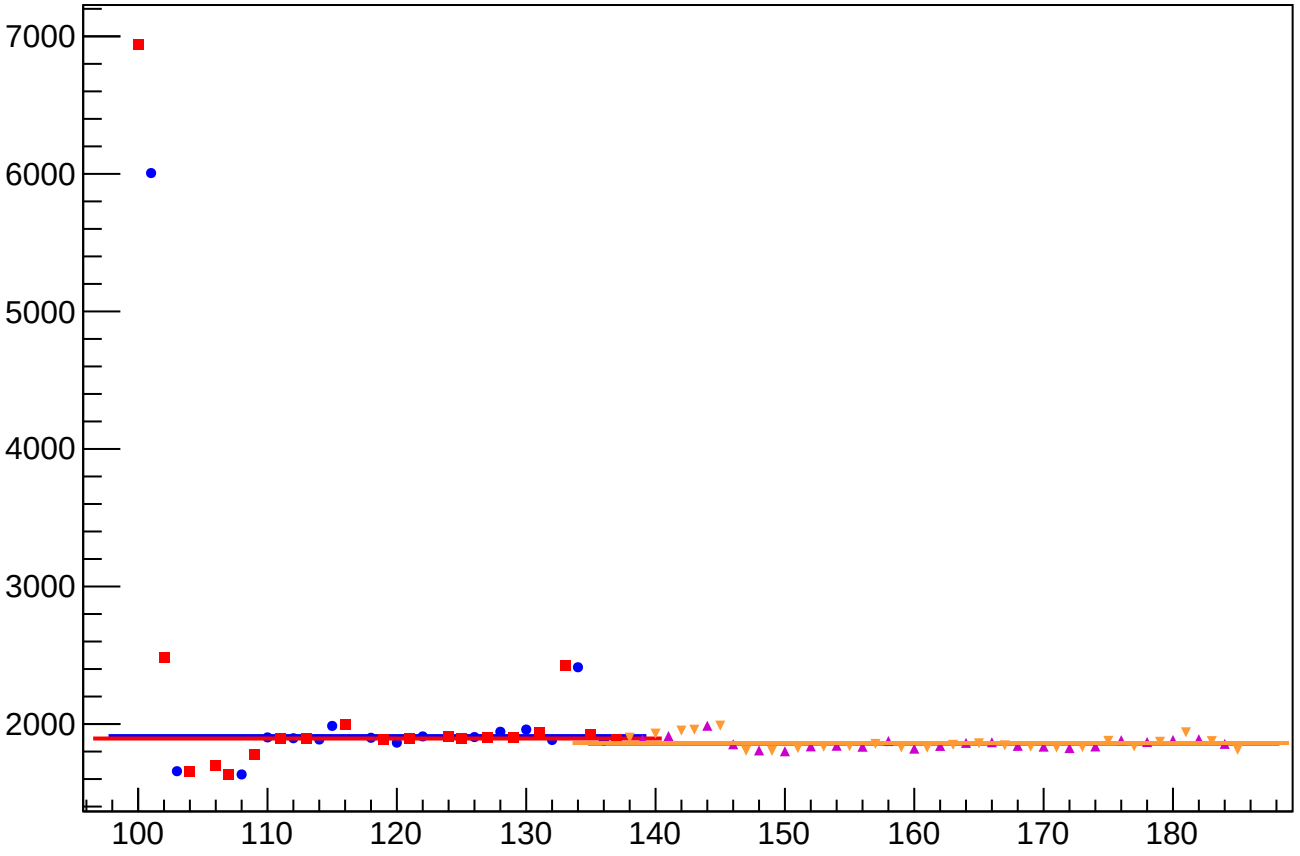
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 122.647+/-365.818 χ^2/NDF: 46.9/40

All: 180.164+/-260.154 χ^2/NDF: 82.0/82

- 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: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

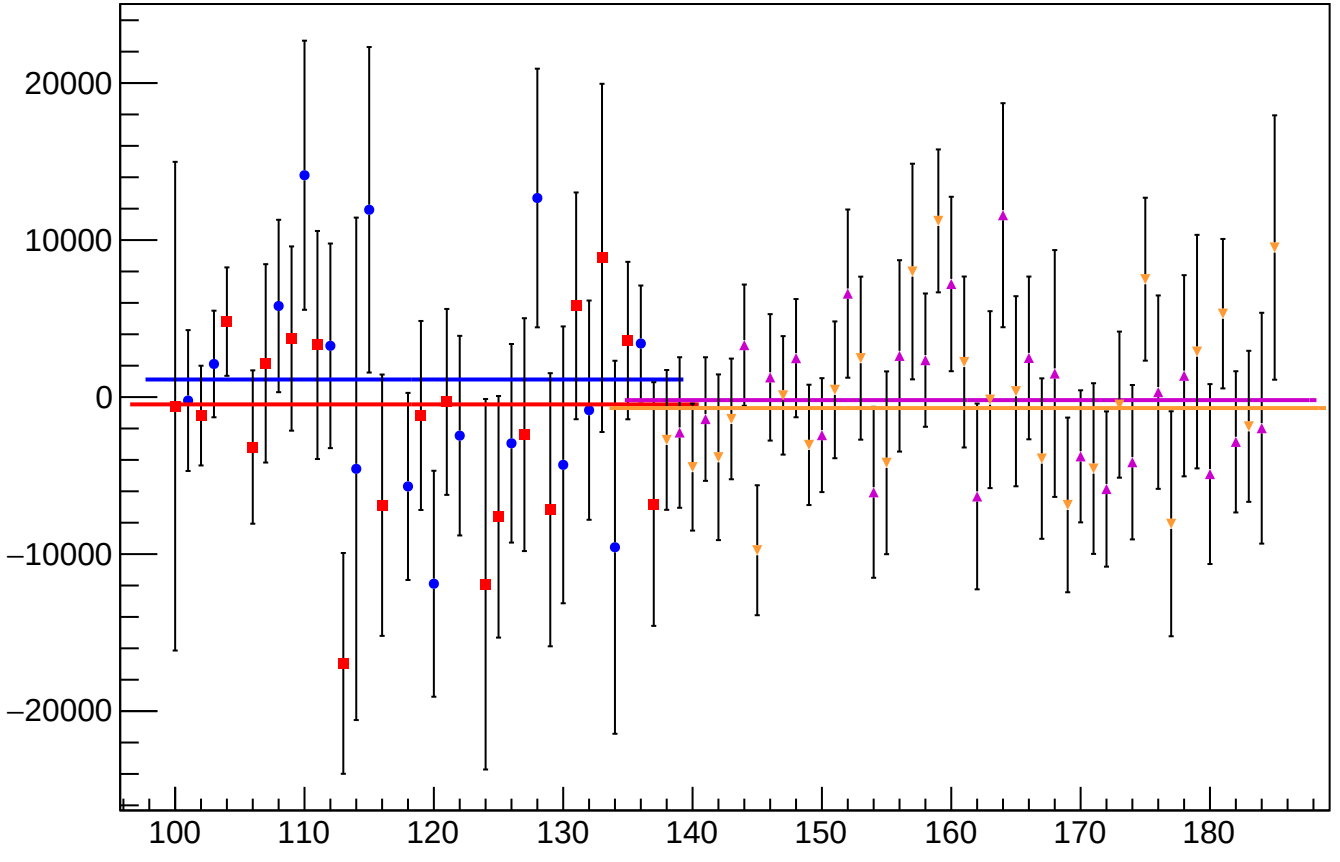
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1874.510+/-0.259 χ^2/NDF: 729467.5/40

All: 1871.187+/-0.184 χ^2/NDF: 969956.5/82

- sign 1867.788+/-0.262 χ^2/NDF: 240155.1/41

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

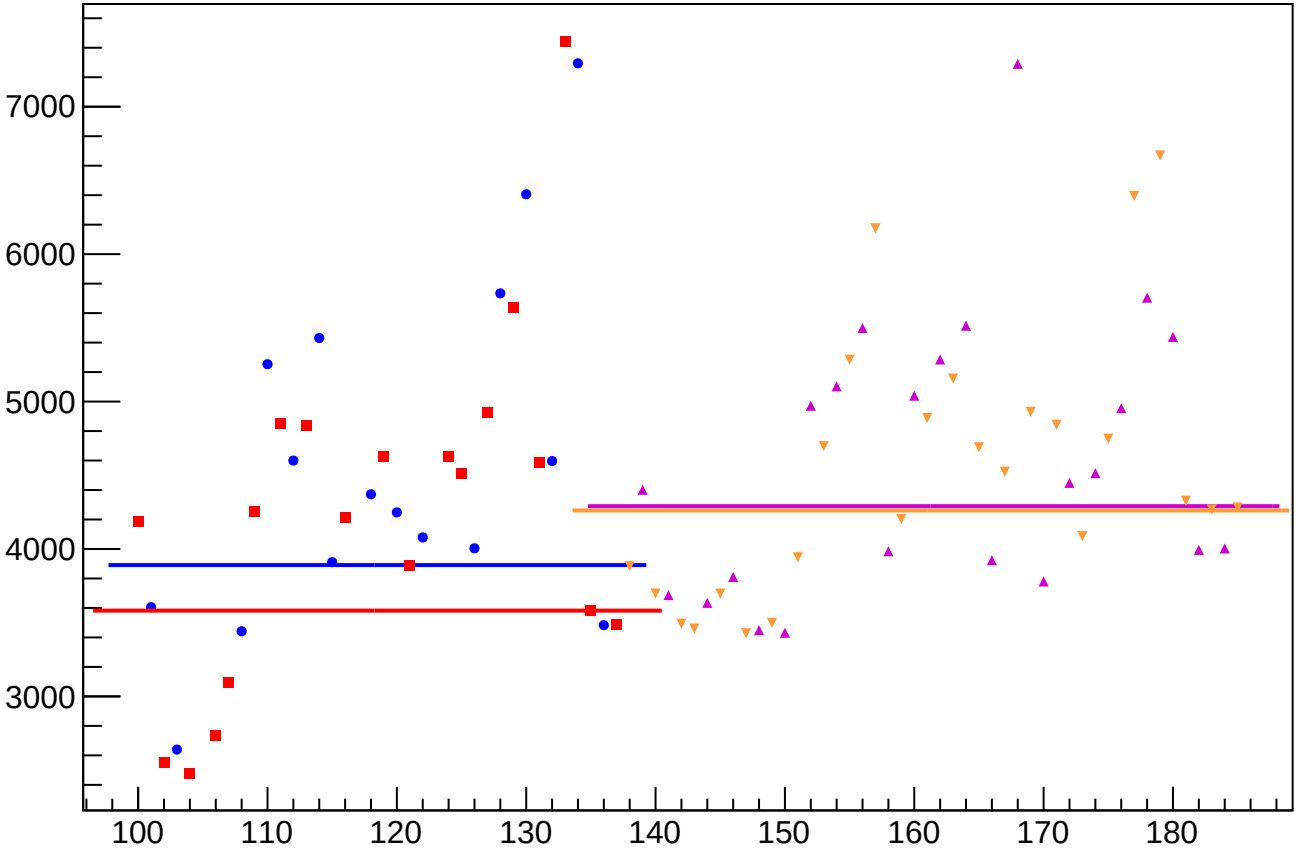
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -145.294+/-825.893 χ^2/NDF: 39.8/40

All: -218.037+/-581.754 χ^2/NDF: 70.0/82

- 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: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

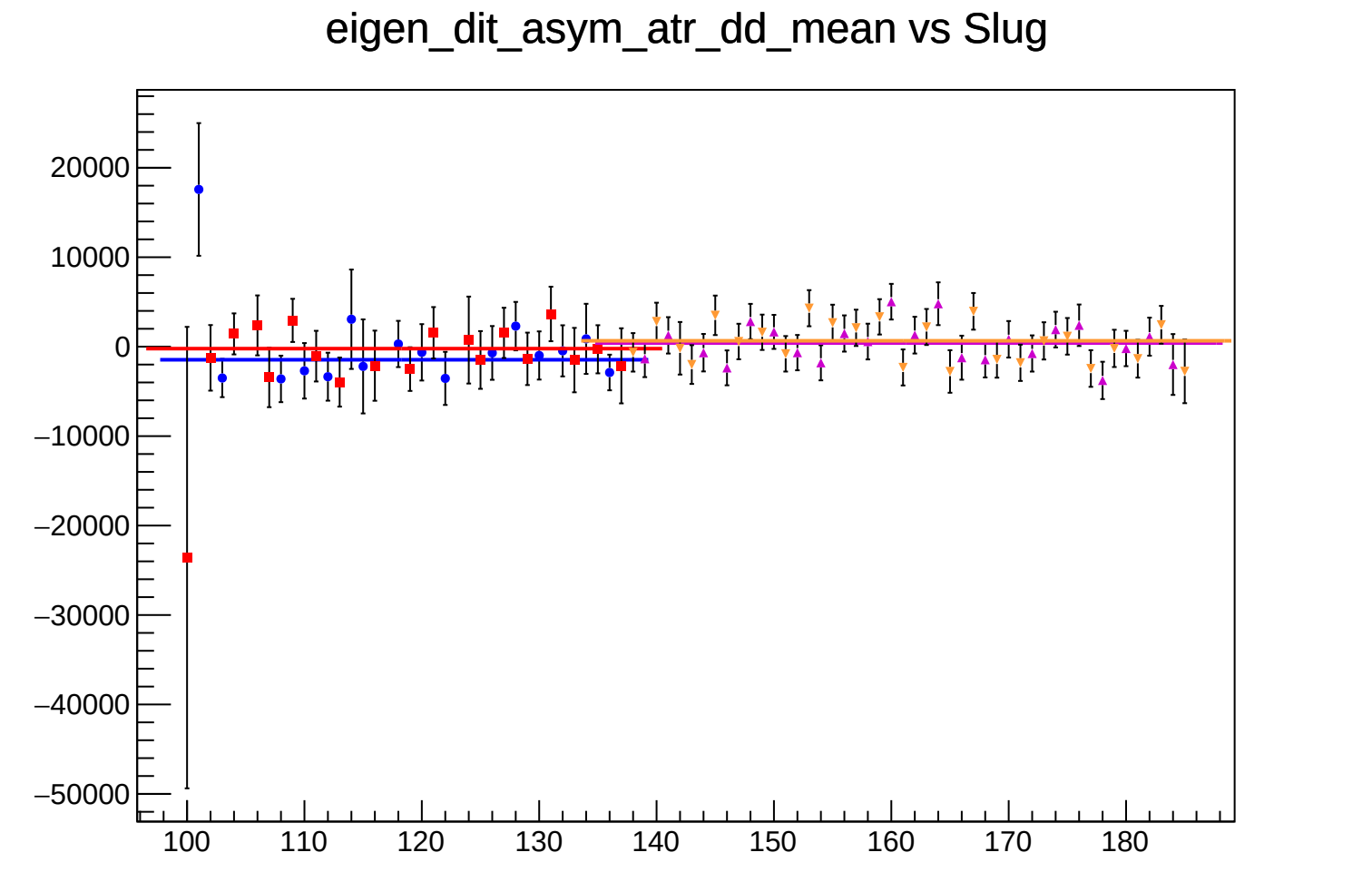
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4148.481+/-0.584 χ^2/NDF: 2154117.7/40

All: 4092.359+/-0.411 χ^2/NDF: 4951659.1/82

- 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: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

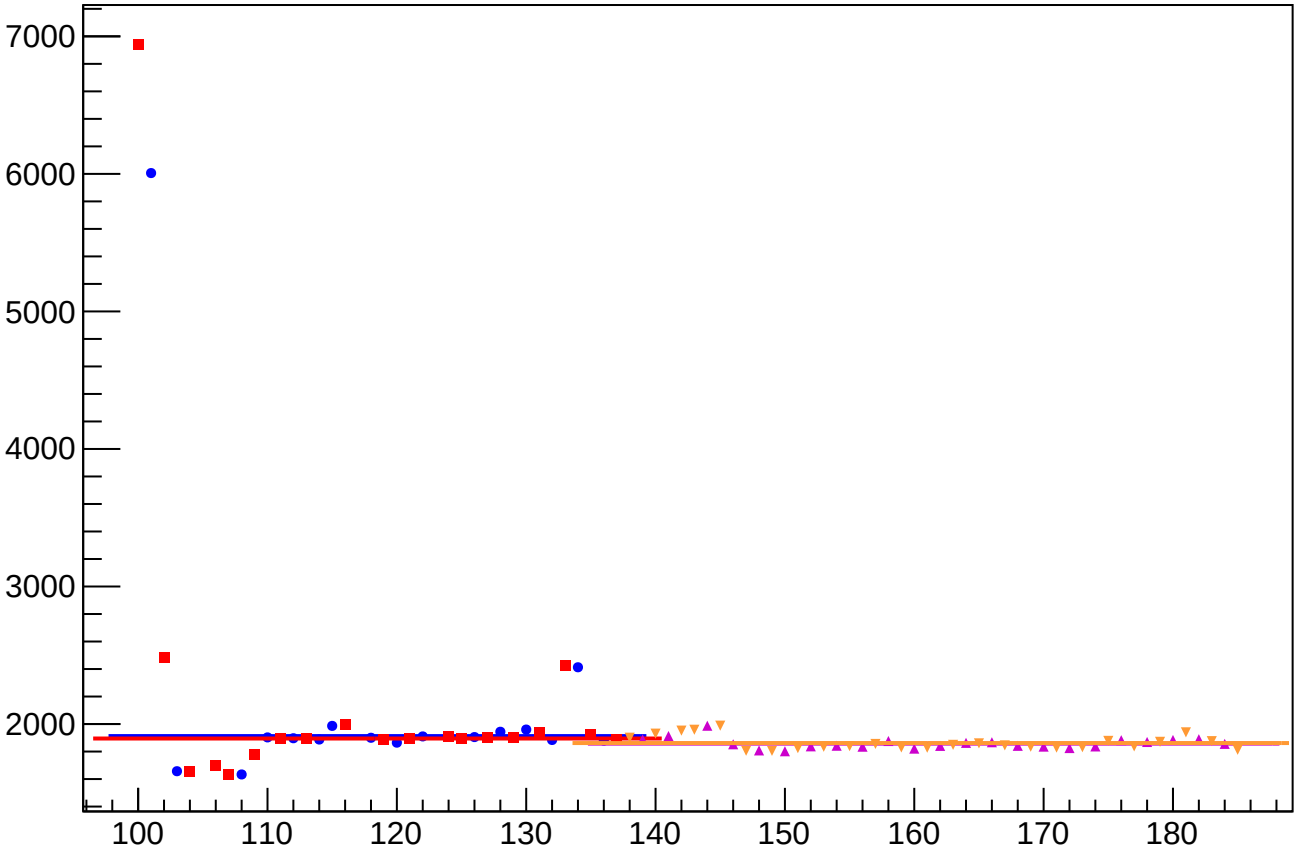
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 122.650+/-365.818 χ^2/NDF: 46.9/40

All: 180.166+/-260.154 χ^2/NDF: 82.0/82

- 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: 1861.731+/-0.299 χ^2/NDF:26014.9/24

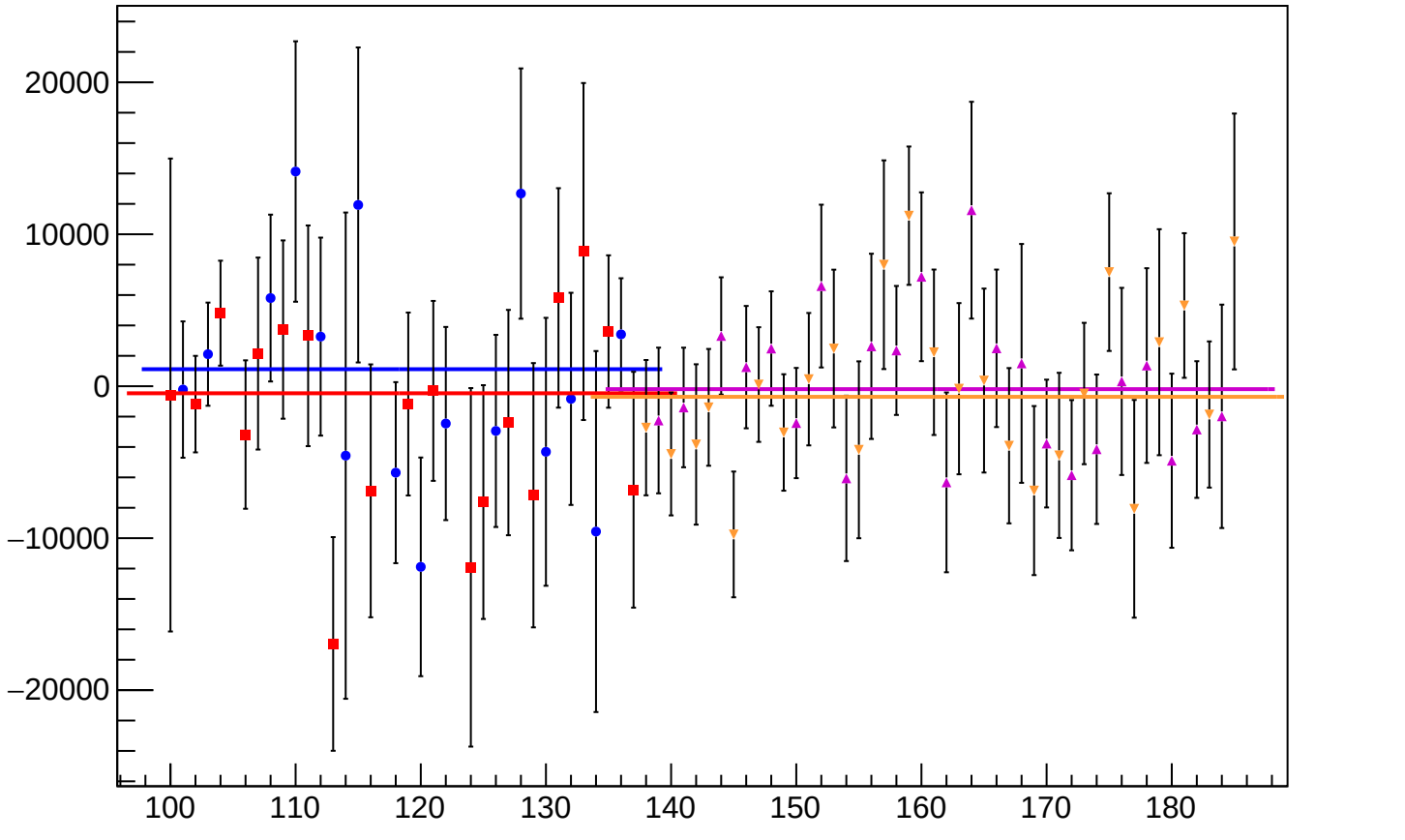
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1874.510+/-0.259 χ^2/NDF: 729467.2/40

All: 1871.187+/-0.184 χ^2/NDF: 969955.9/82

- 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: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

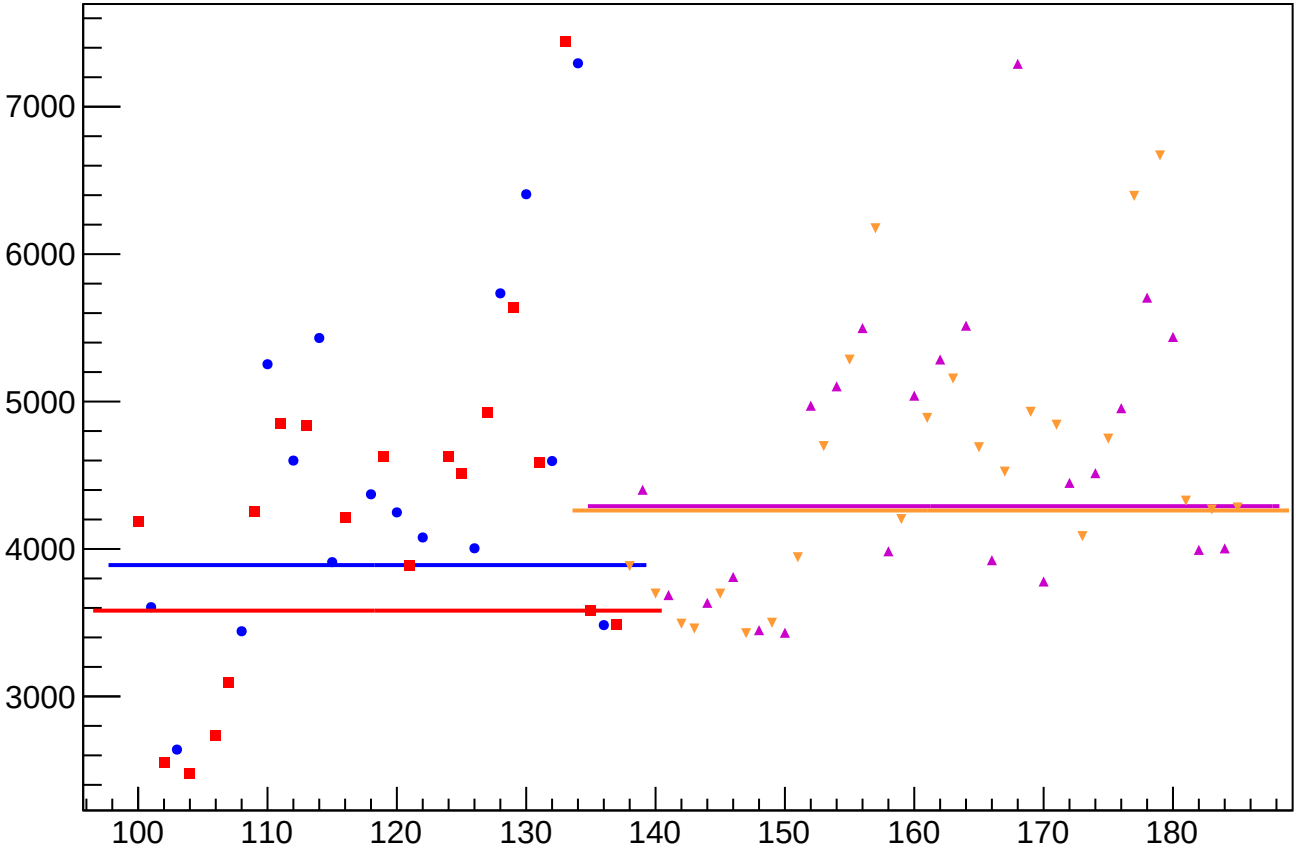
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -145.295+/-825.894 χ^2/NDF: 39.8/40

All: -218.039+/-581.755 χ^2/NDF: 70.0/82

- sign -289.676+/-819.593 χ^2/NDF: 30.2/41

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

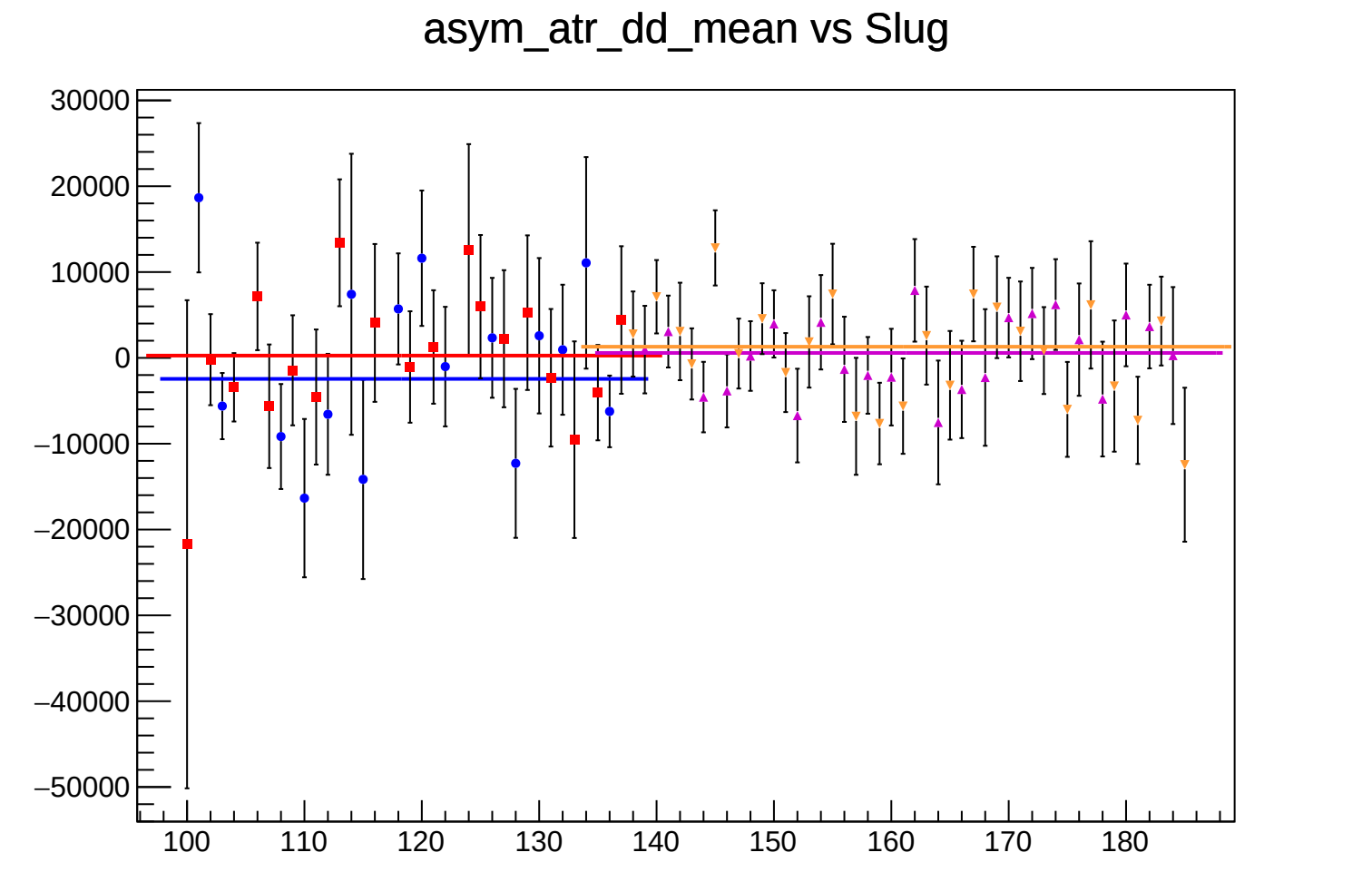
Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

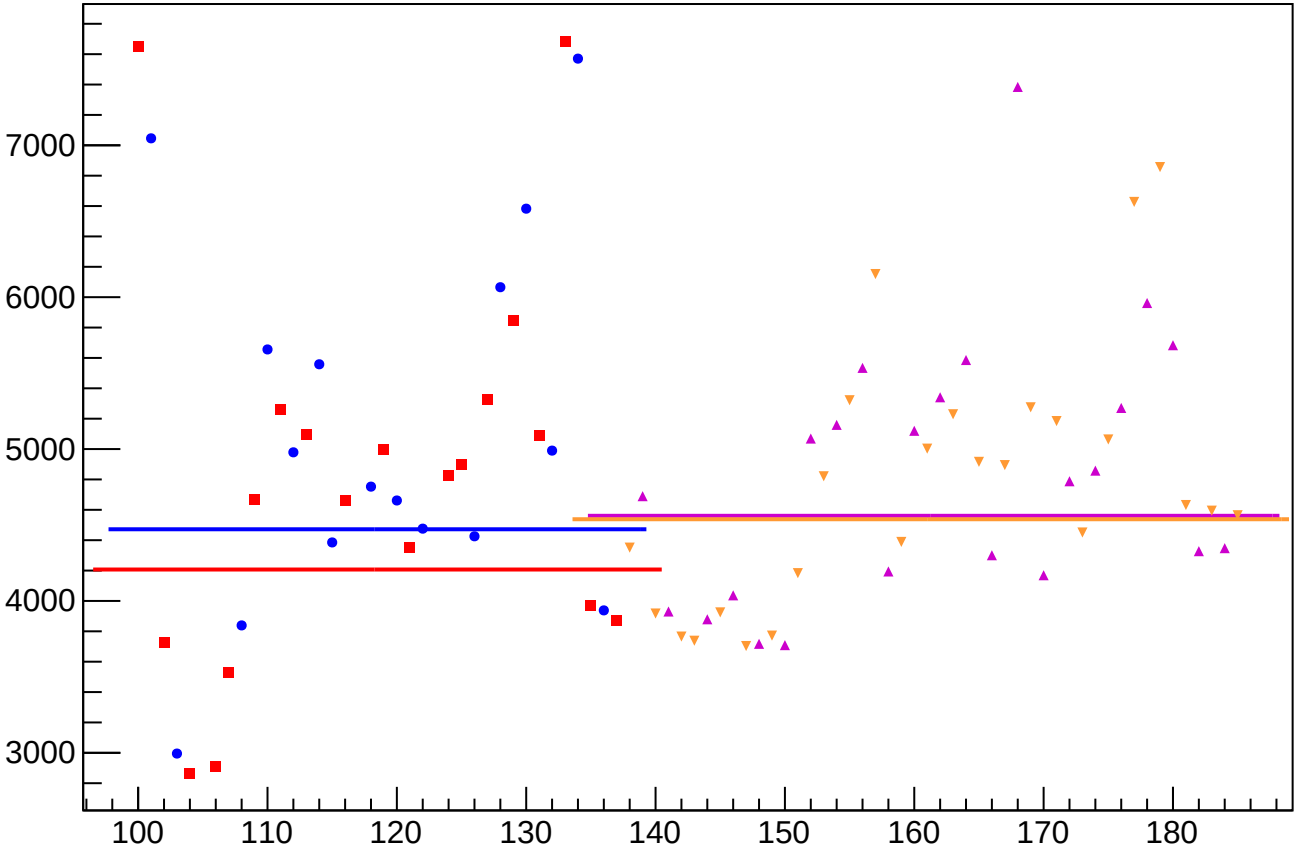
+ sign 4148.484+/-0.584 χ^2/NDF: 2154115.9/40

All: 4092.362+/-0.411 χ^2/NDF: 4951664.2/82

- sign 4037.092+/-0.580 χ^2/NDF: 2779217.9/41


asym_atr_dd_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -2448.262+/-1719.694 χ²/NDF: 20.9/15
Left Out: 1298.373+/-1049.555 χ²/NDF:28.5/24
Right Out: 265.886+/-1622.574 χ²/NDF: 10.7/18
Left In: 576.442+/-1082.127 χ²/NDF:14.4/22
+ sign 281.558+/-895.883 χ²/NDF: 52.8/40
All: 380.709+/-635.034 χ²/NDF: 78.0/82
- sign 480.836+/-900.279 χ²/NDF: 25.2/41

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

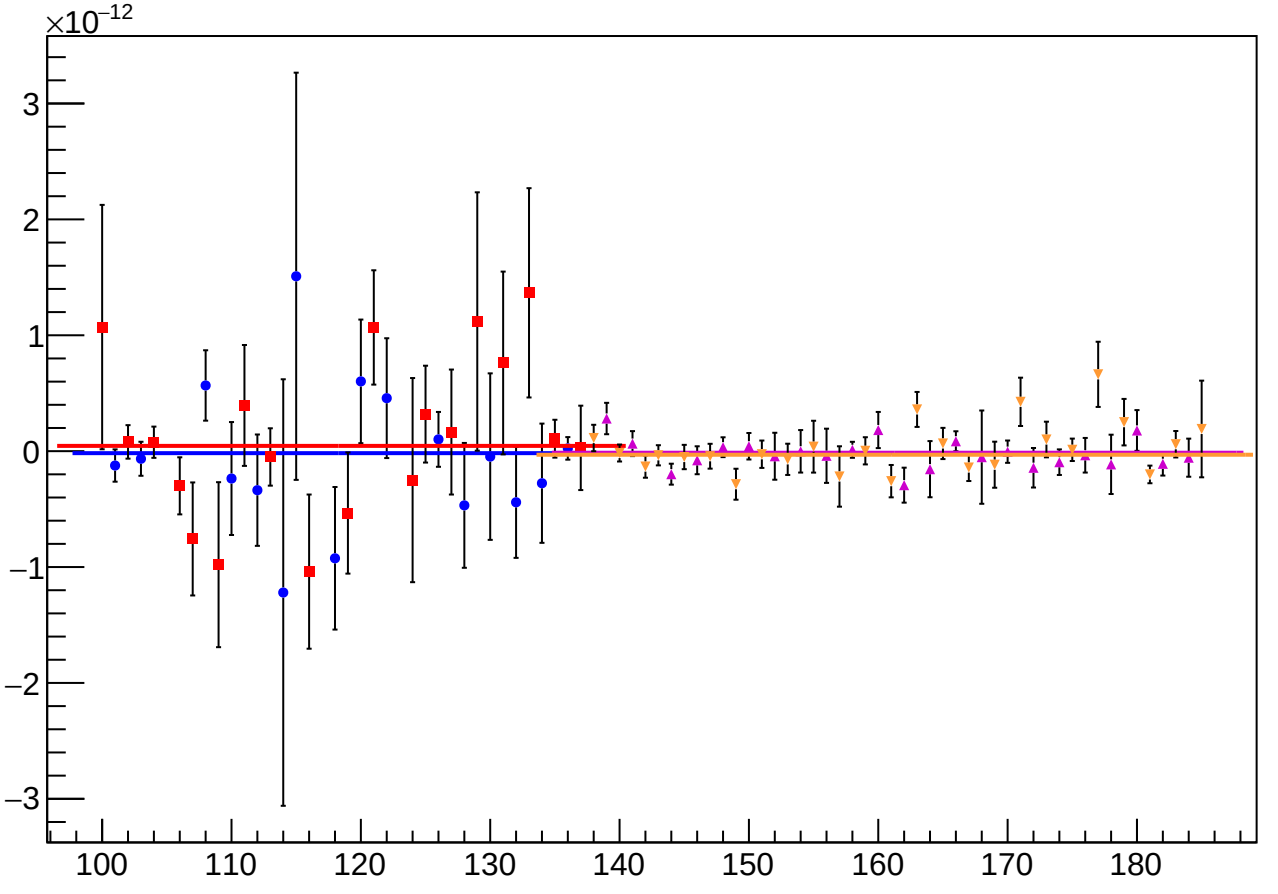
Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4520.014+/-0.633 χ^2/NDF: 1886732.1/40

All: 4485.295+/-0.448 χ^2/NDF: 3785969.9/82

- 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:37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

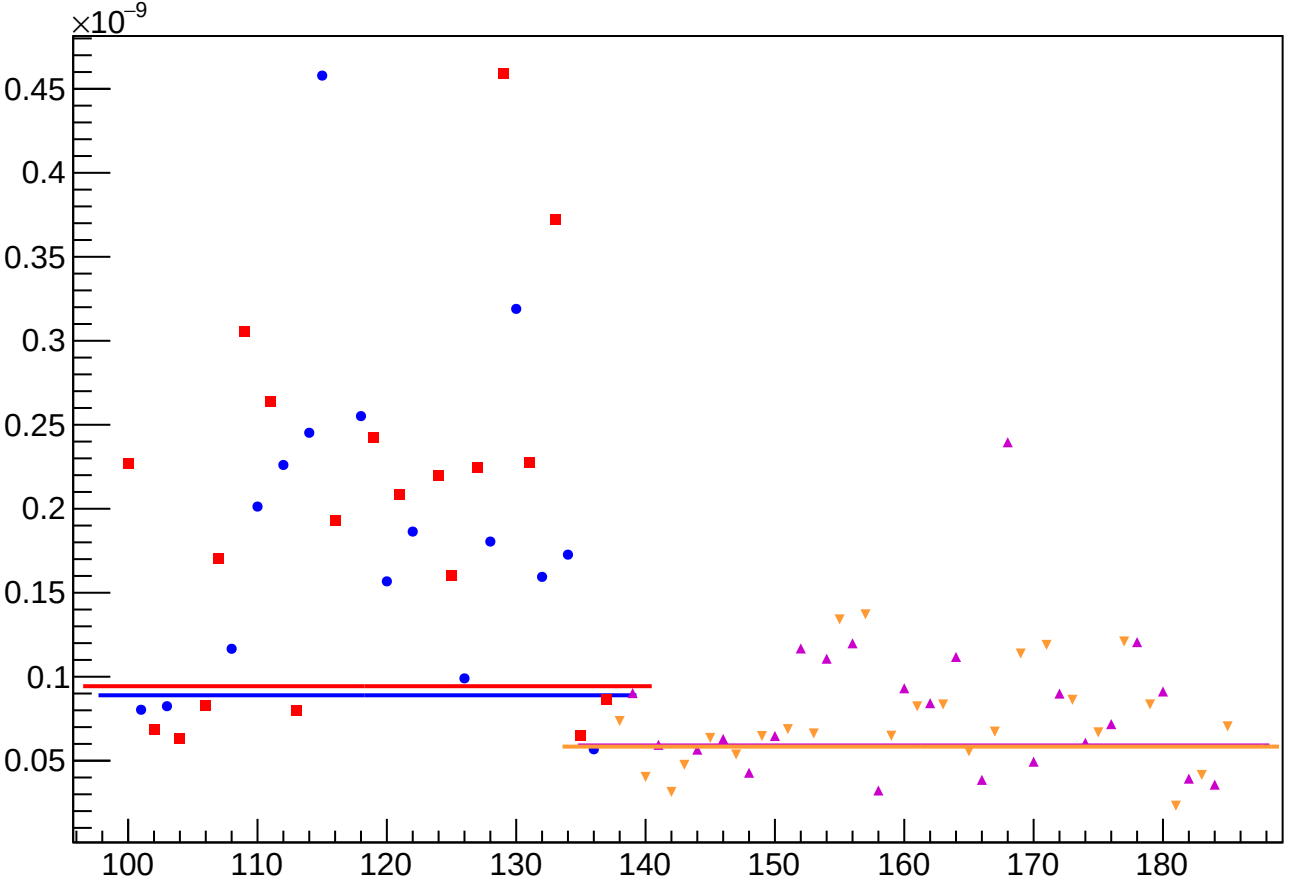
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 93.7/82

- sign -0.000+/-0.000 χ^2/NDF: 42.5/41

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

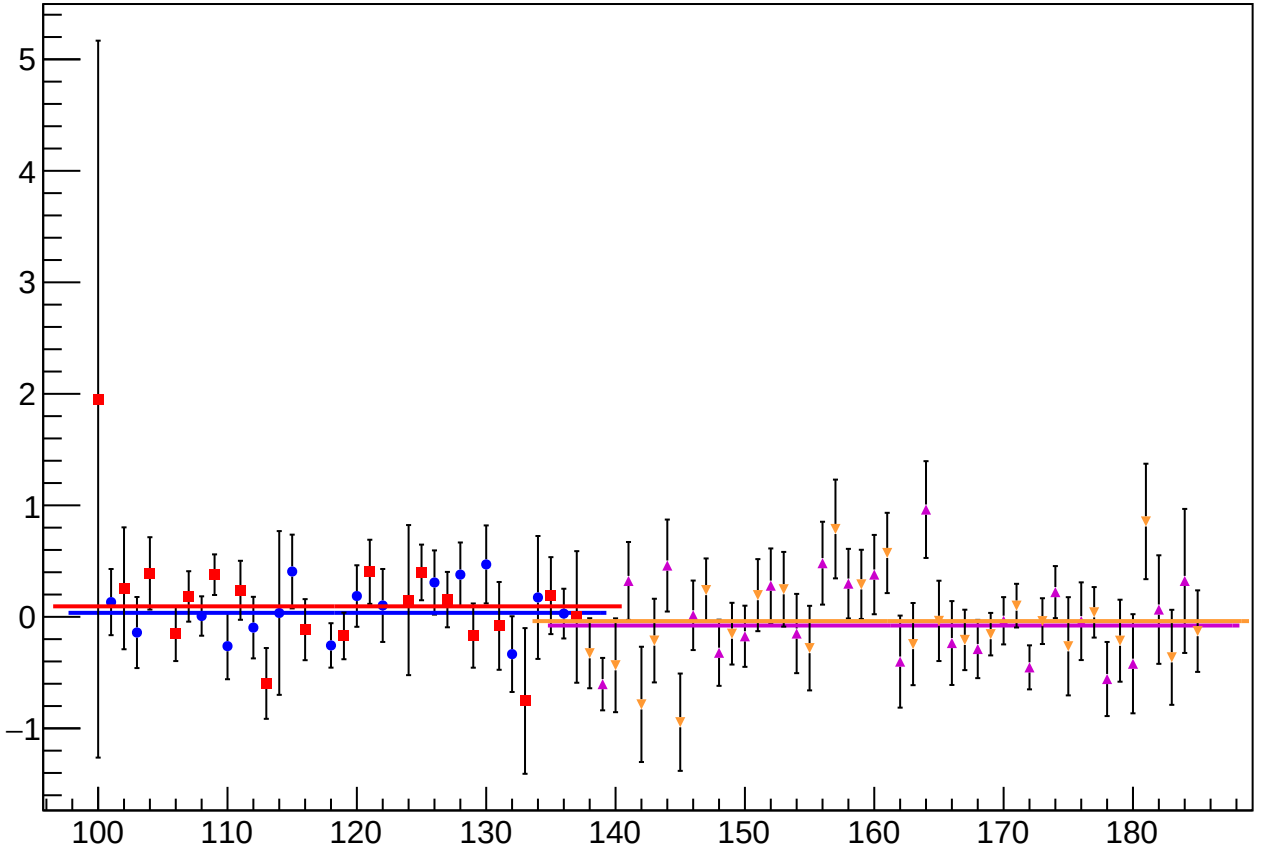
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3591627.2/40

All: 0.000+/-0.000 χ^2/NDF: 7862626.2/82

- sign 0.000+/-0.000 χ^2/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: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

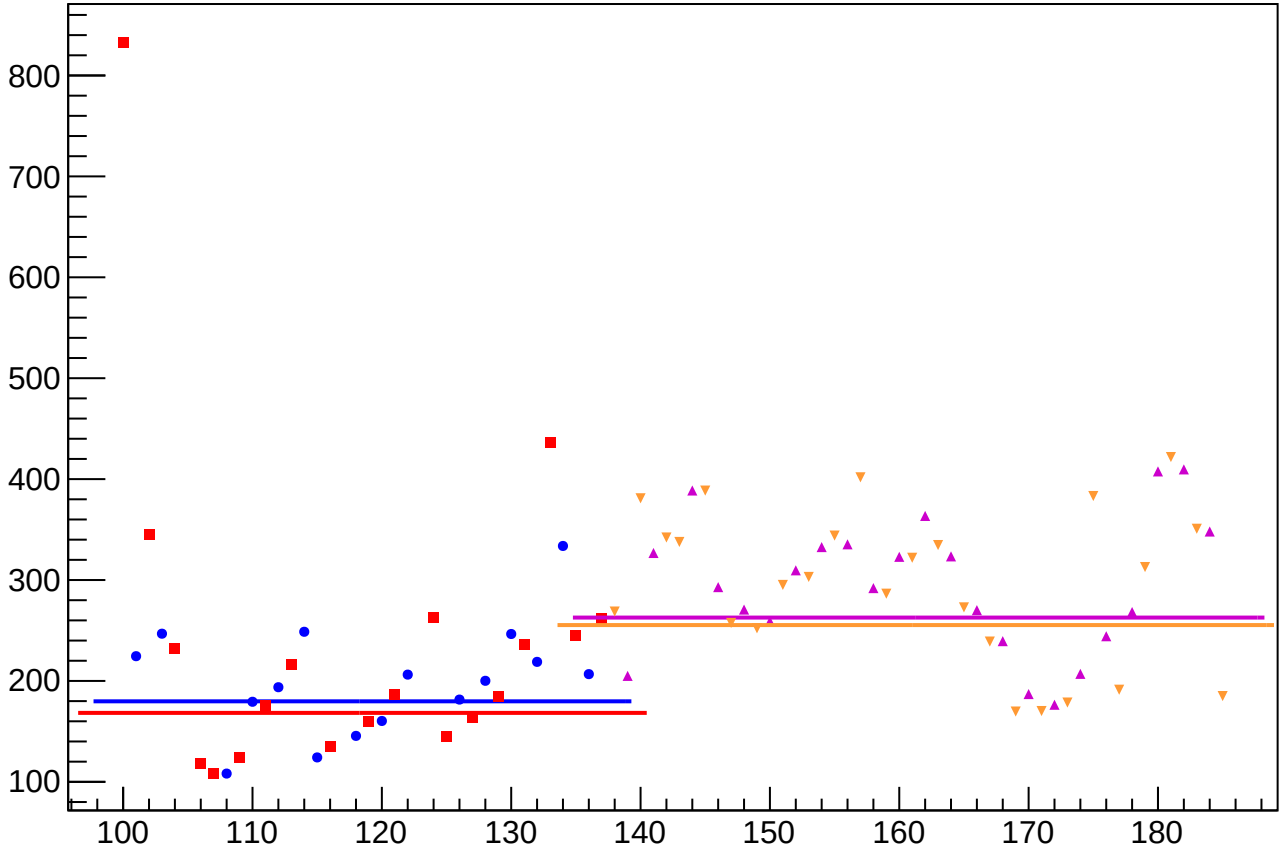
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.006+/-0.047 χ^2/NDF: 35.6/40

All: -0.001+/-0.033 χ^2/NDF: 87.7/82

- 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: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

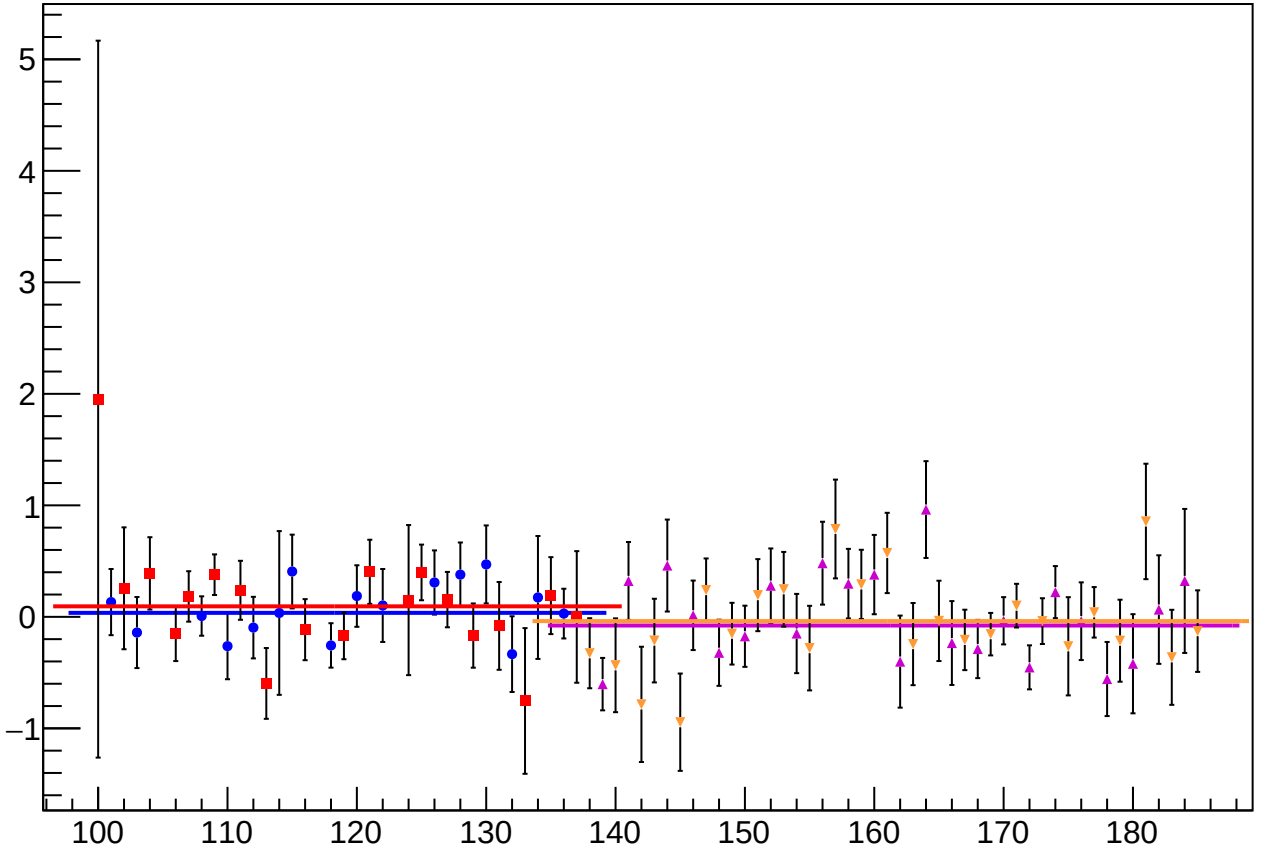
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.491+/-0.033 χ^2/NDF: 5149081.8/40

All: 220.020+/-0.023 χ^2/NDF: 10626282.3/82

- 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: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

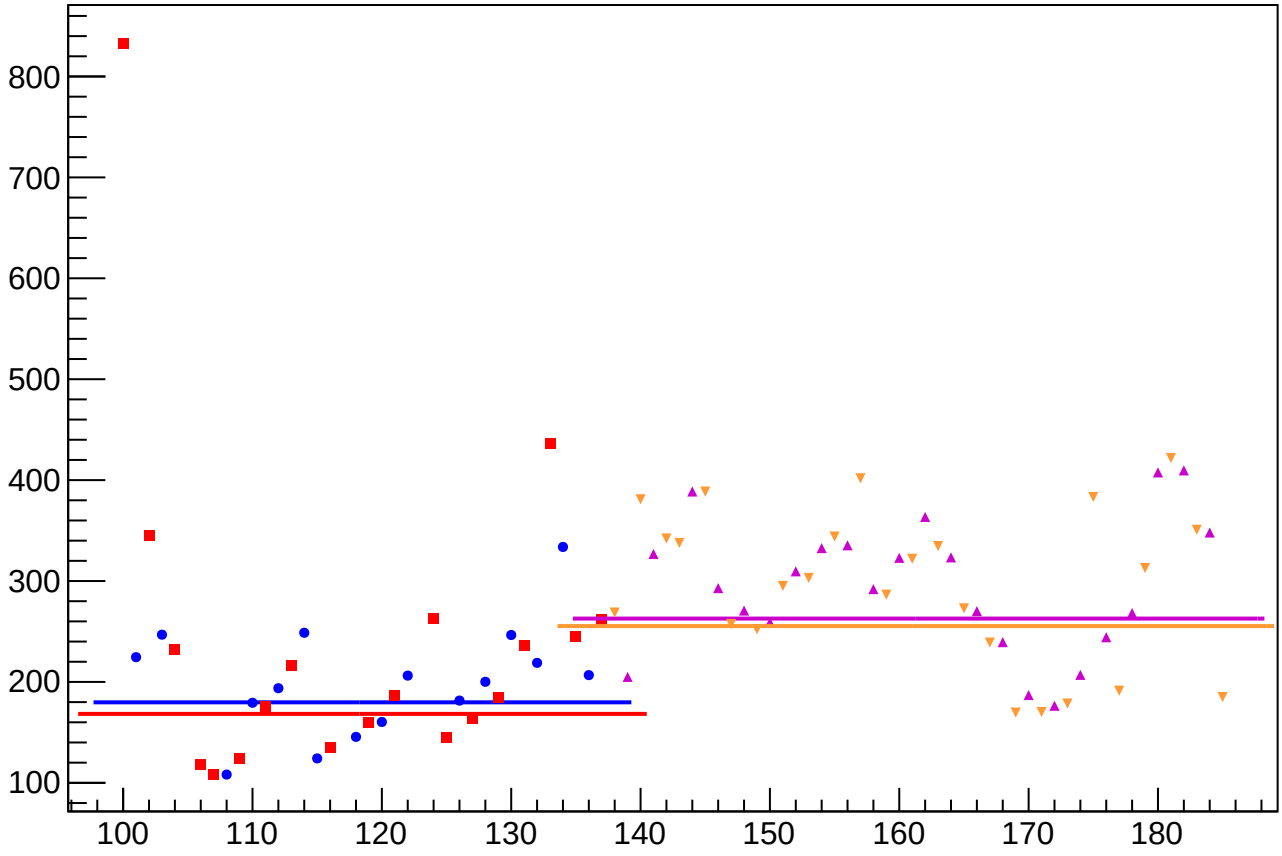
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.006+/-0.047 χ^2/NDF: 35.6/40

All: -0.001+/-0.033 χ^2/NDF: 87.7/82

- 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: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

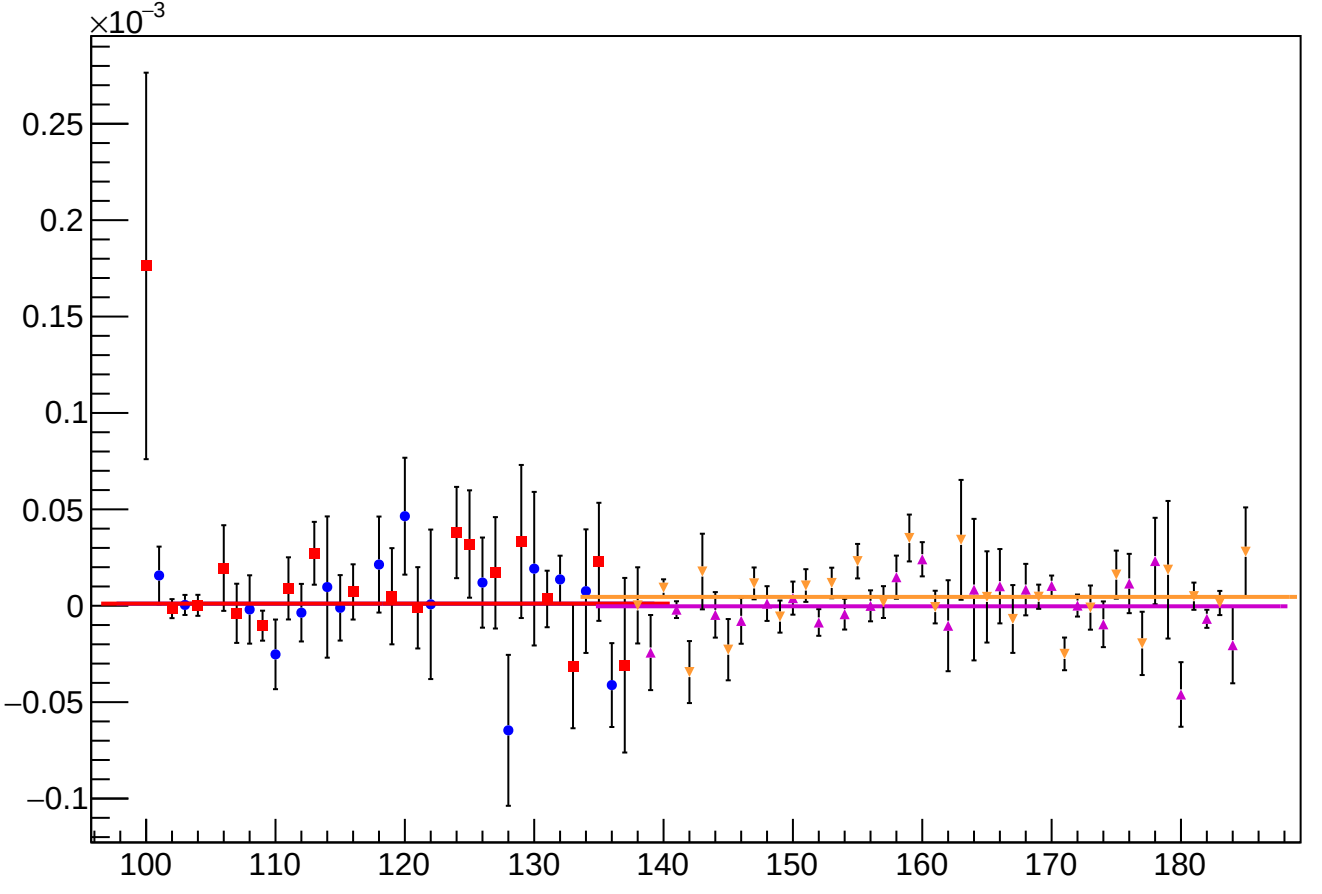
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.491+/-0.033 χ^2/NDF: 5149081.8/40

All: 220.020+/-0.023 χ^2/NDF: 10626282.3/82

- 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:43.4/24

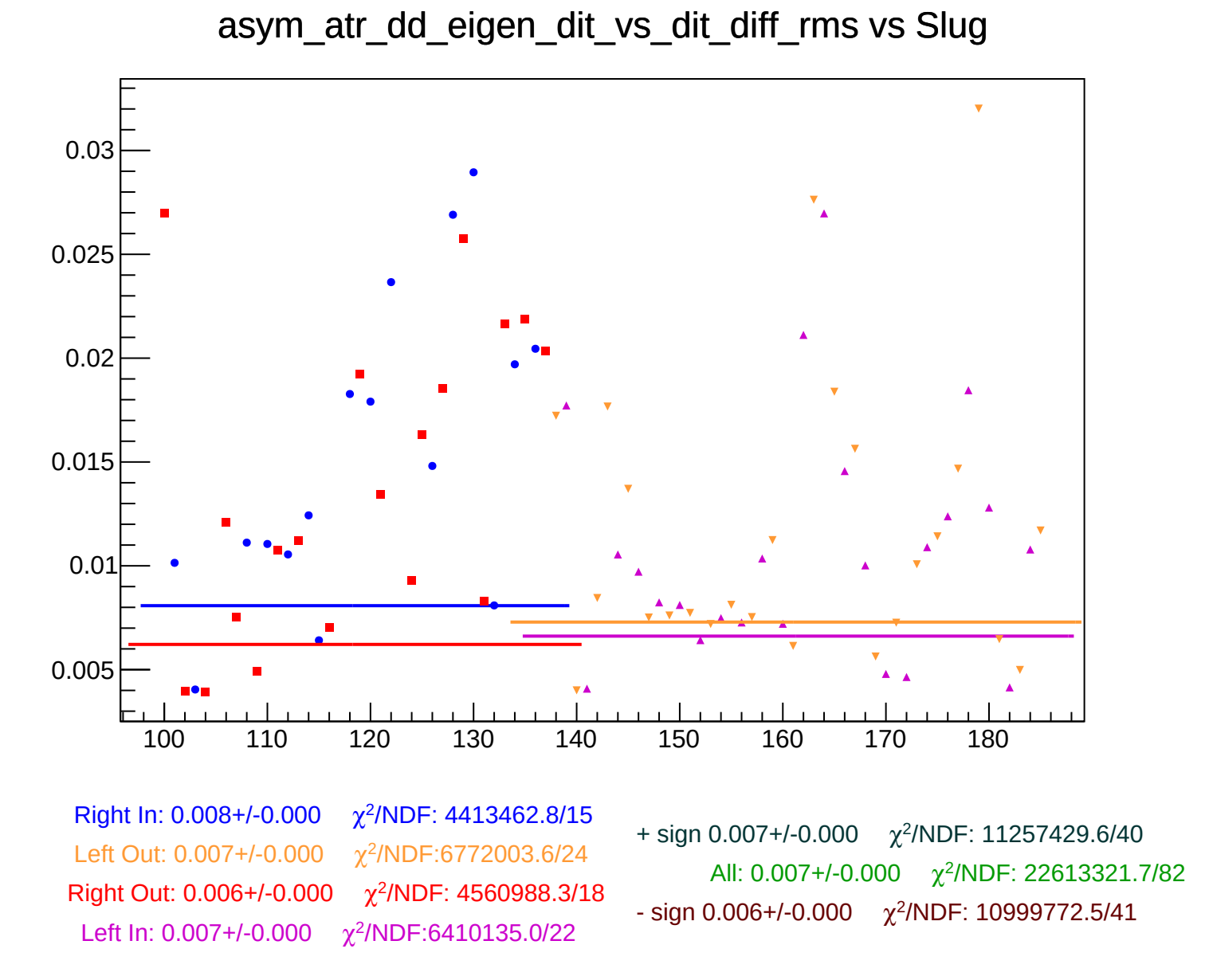
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

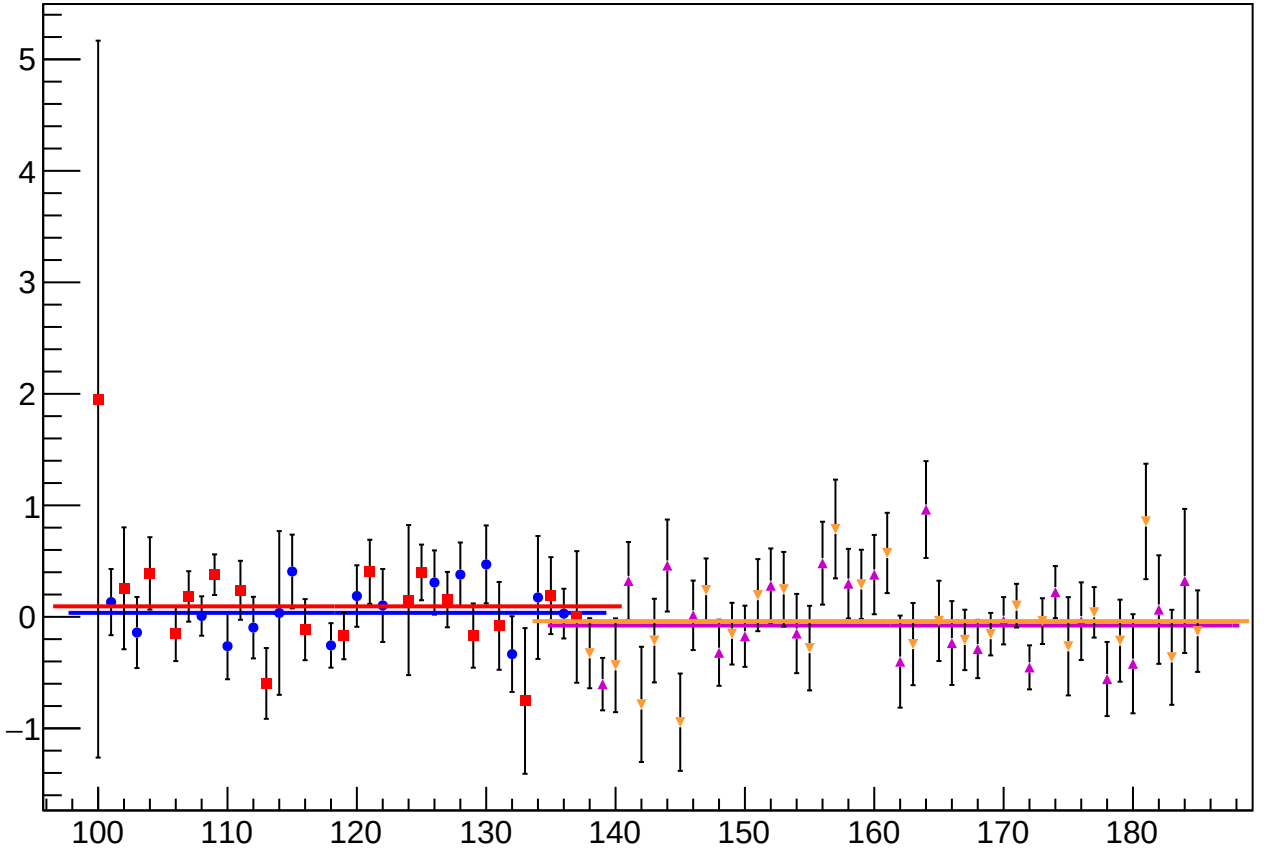
+ sign 0.000+/-0.000 χ^2/NDF: 58.4/40

All: 0.000+/-0.000 χ^2/NDF: 108.5/82

- 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:6772003.6/24
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: 11257429.6/40
All: 0.007+/-0.000 χ²/NDF: 22613321.7/82
- 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: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

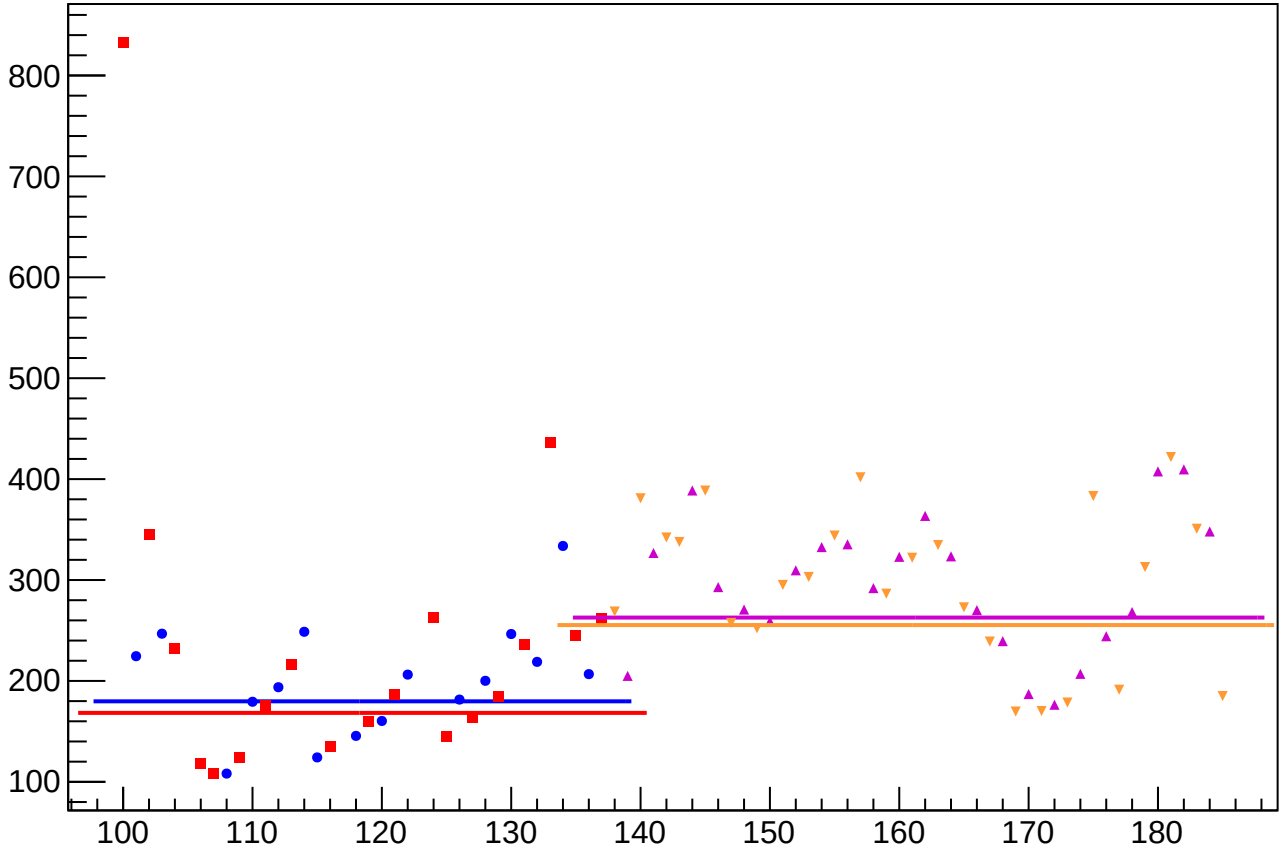
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.006+/-0.047 χ^2/NDF: 35.6/40

All: -0.001+/-0.033 χ^2/NDF: 87.7/82

- 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: 255.357+/-0.044 χ^2/NDF:2935428.4/24

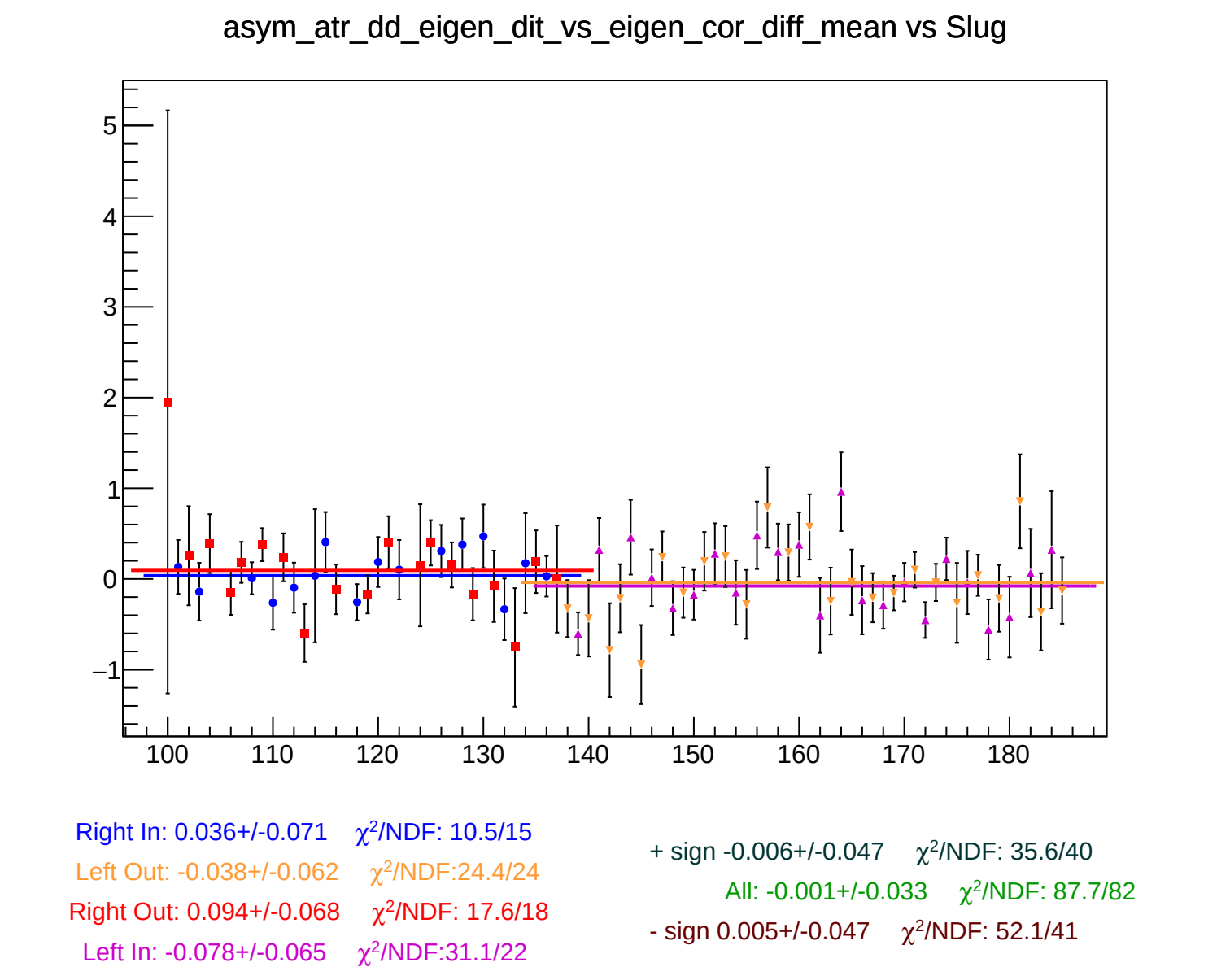
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

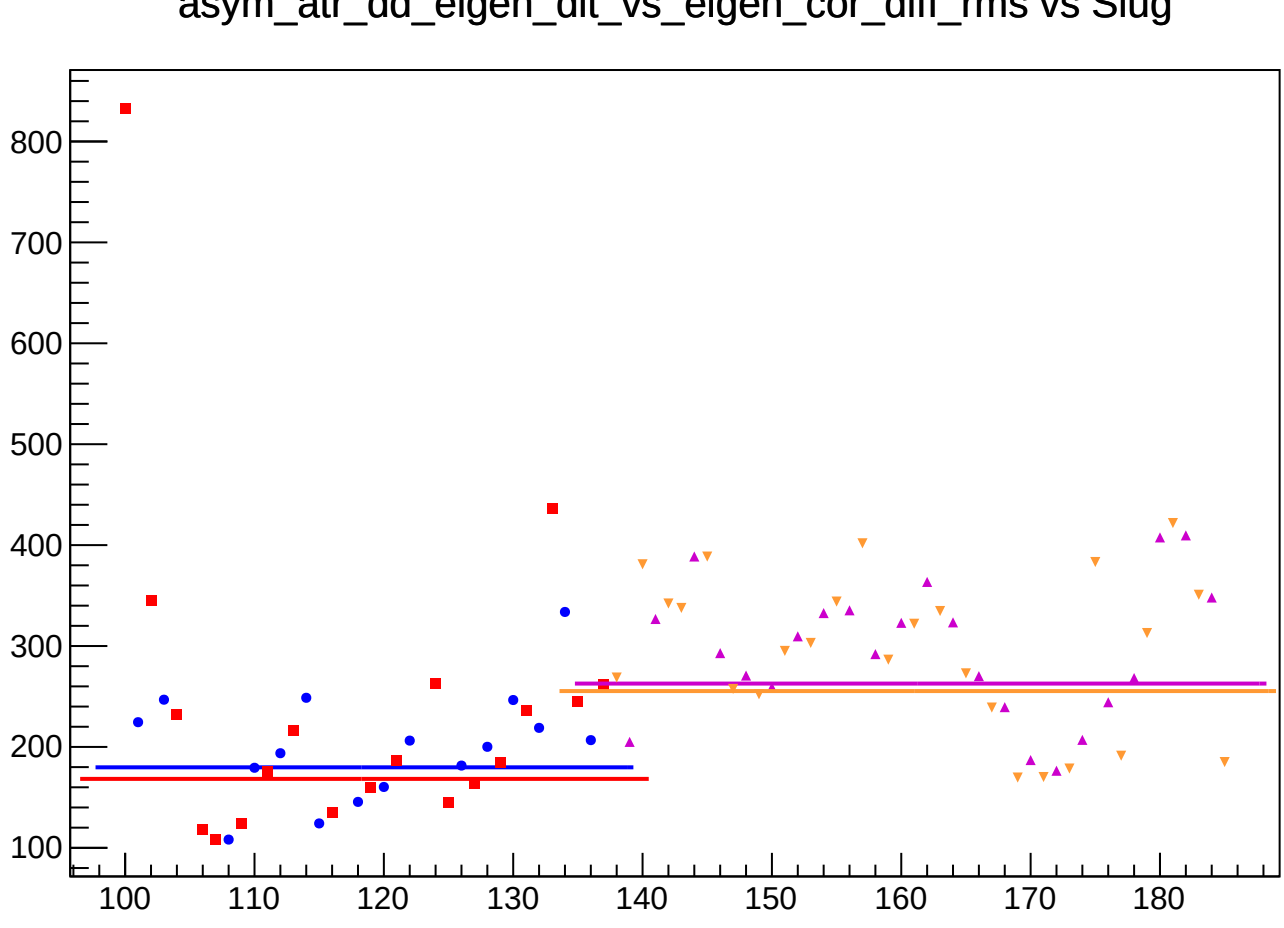
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.490+/-0.033 χ^2/NDF: 5149391.8/40

All: 220.020+/-0.023 χ^2/NDF: 10626714.7/82

- sign 217.520+/-0.033 χ^2/NDF: 5465988.0/41


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.038+/-0.062 χ²/NDF:24.4/24
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.078+/-0.065 χ²/NDF:31.1/22
+ sign -0.006+/-0.047 χ²/NDF: 35.6/40
All: -0.001+/-0.033 χ²/NDF: 87.7/82
- sign 0.005+/-0.047 χ²/NDF: 52.1/41



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

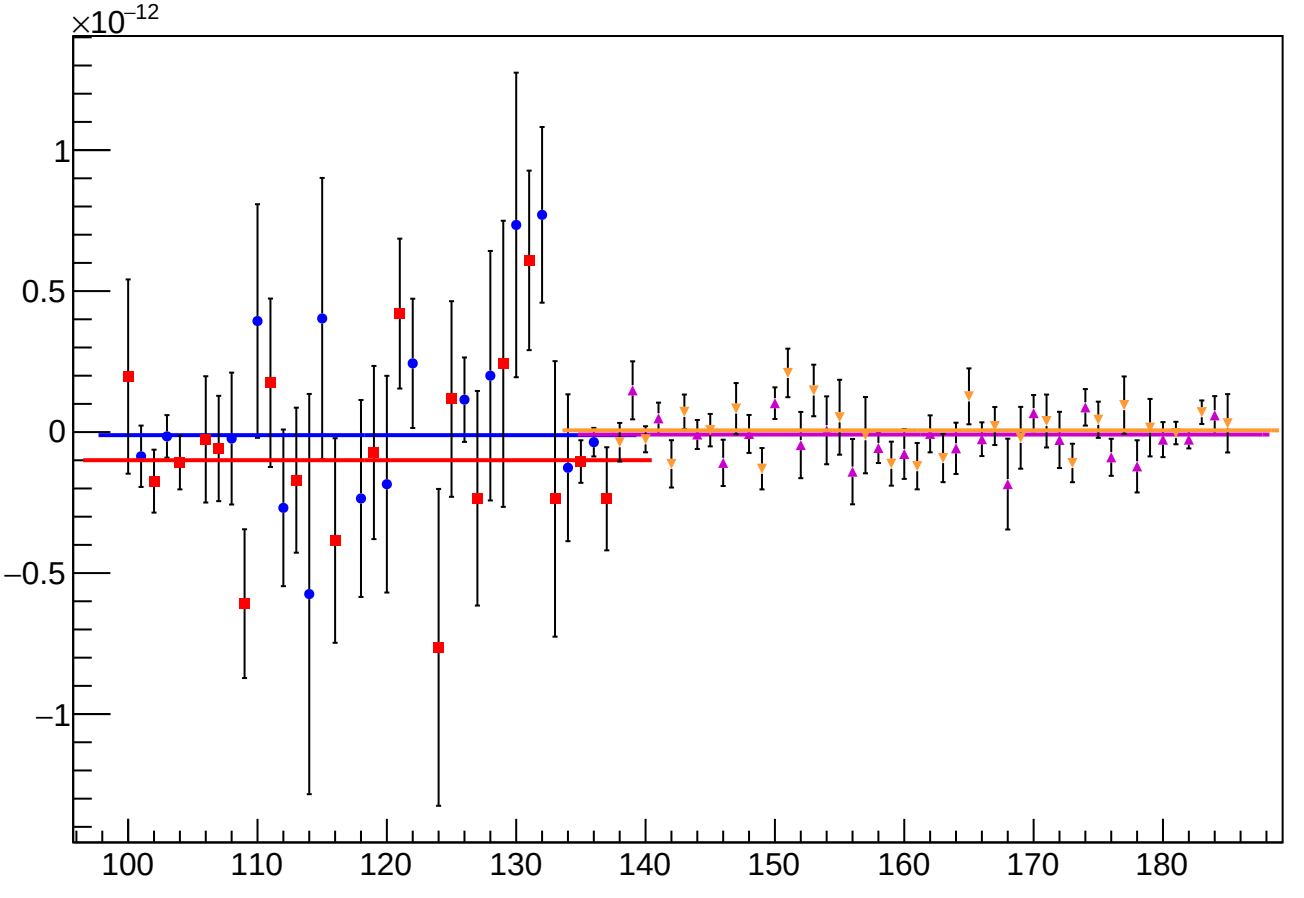
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.490+/-0.033 χ^2/NDF: 5149391.8/40

All: 220.020+/-0.023 χ^2/NDF: 10626714.7/82

- sign 217.520+/-0.033 χ^2/NDF: 5465988.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

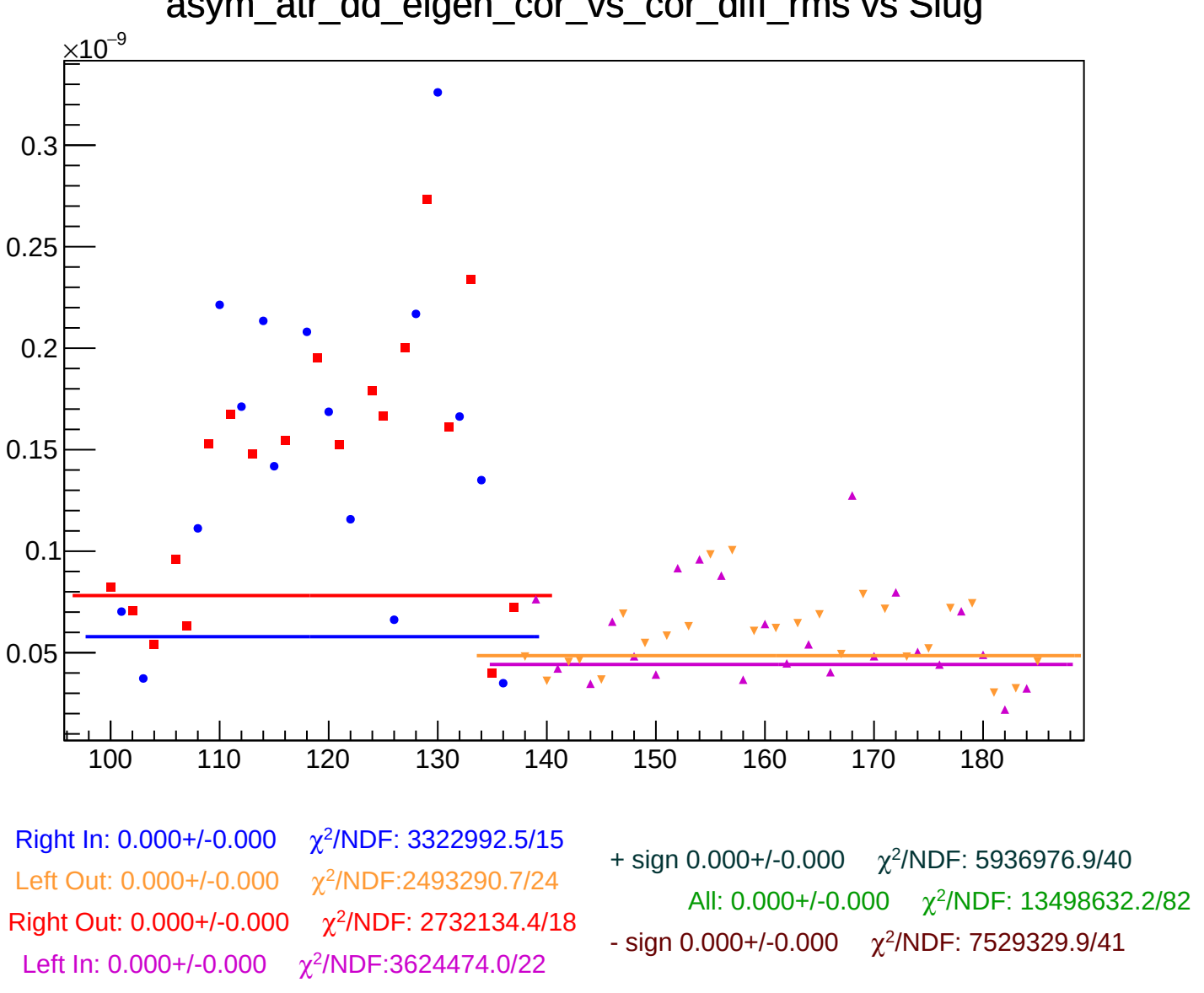
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

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

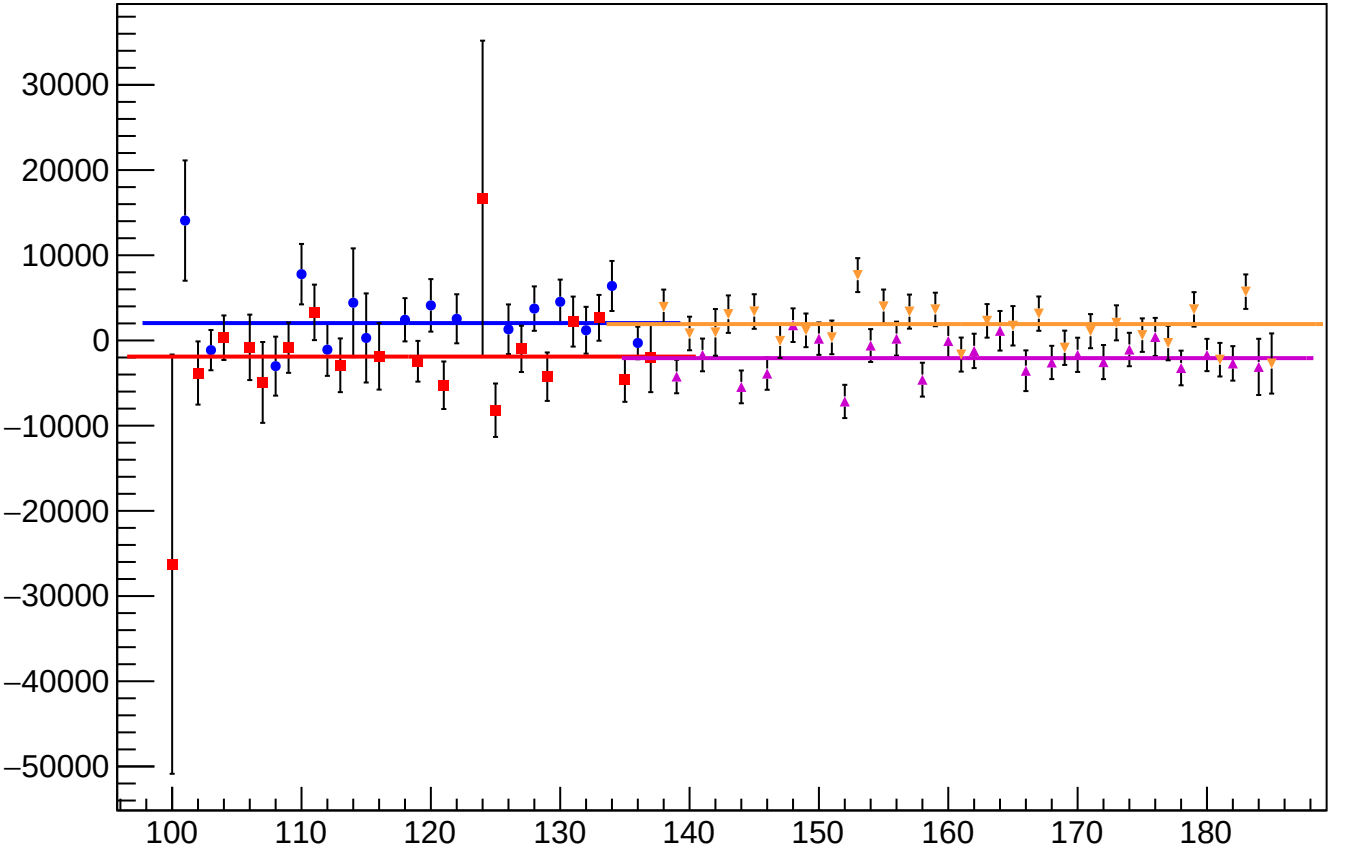
+ sign 0.000+/-0.000 χ^2/NDF: 45.7/40

All: -0.000+/-0.000 χ^2/NDF: 90.9/82

- sign -0.000+/-0.000 χ^2/NDF: 43.9/41


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3322992.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2732134.4/18
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
+ sign 0.000+/-0.000 χ²/NDF: 5936976.9/40
All: 0.000+/-0.000 χ²/NDF: 13498632.2/82
- sign 0.000+/-0.000 χ²/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: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

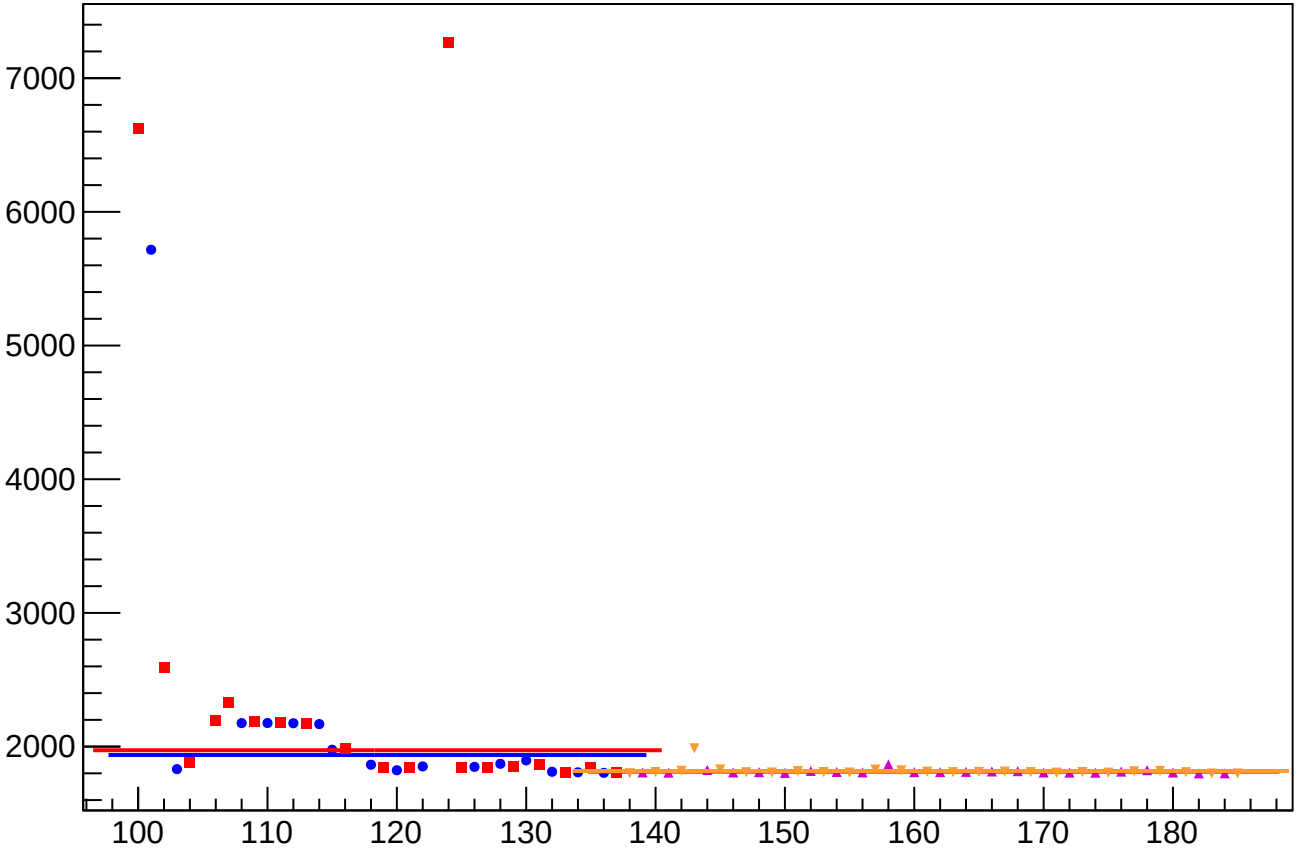
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1949.001+/-360.138 χ^2/NDF: 49.0/40

All: -3.015+/-257.038 χ^2/NDF: 154.0/82

- 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: 1817.524+/-0.292 χ^2/NDF:12955.2/24

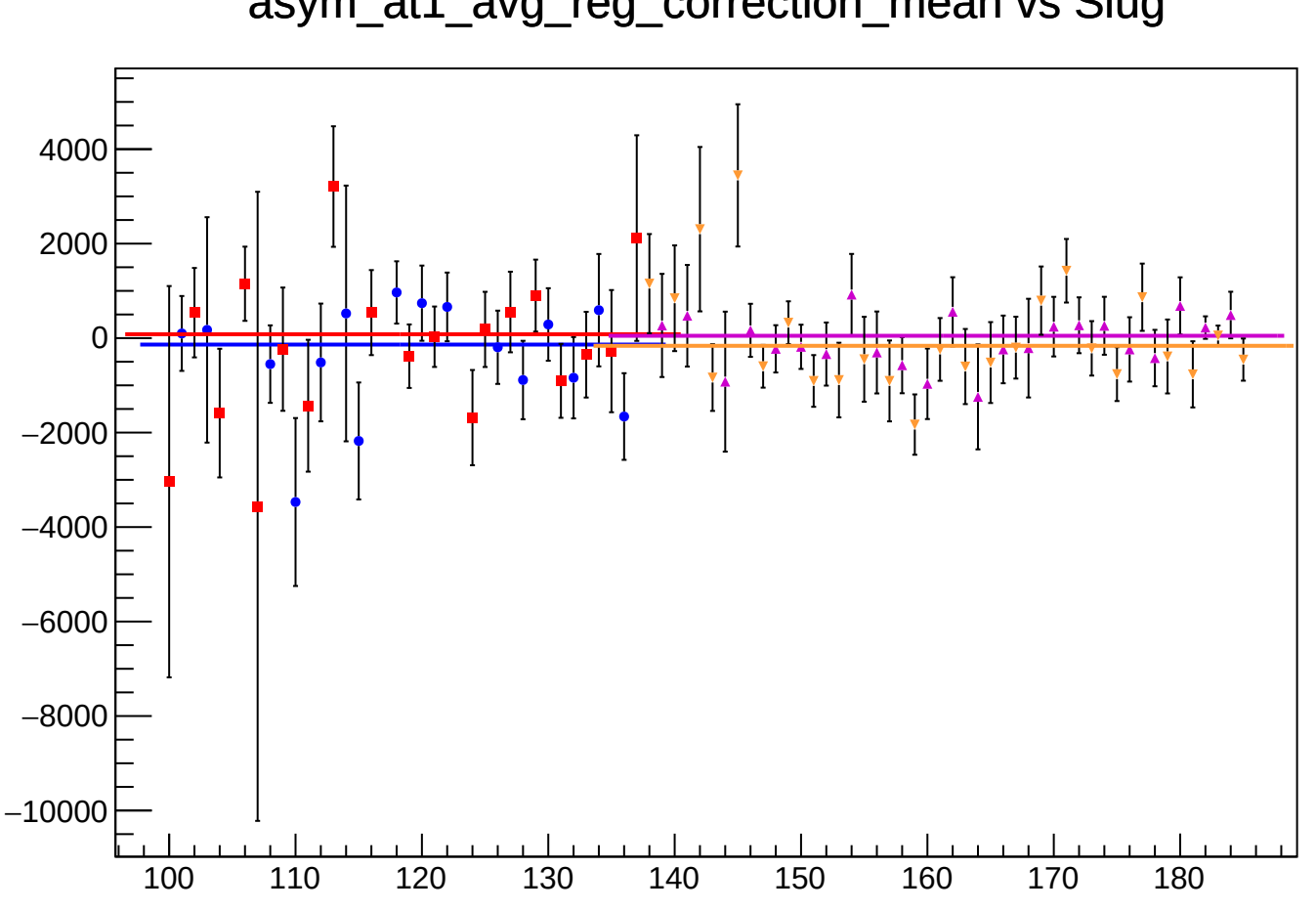
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.174+/-0.255 χ^2/NDF: 691284.7/40

All: 1849.176+/-0.182 χ^2/NDF: 1142231.4/82

- sign 1852.293+/-0.259 χ^2/NDF: 450663.4/41



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

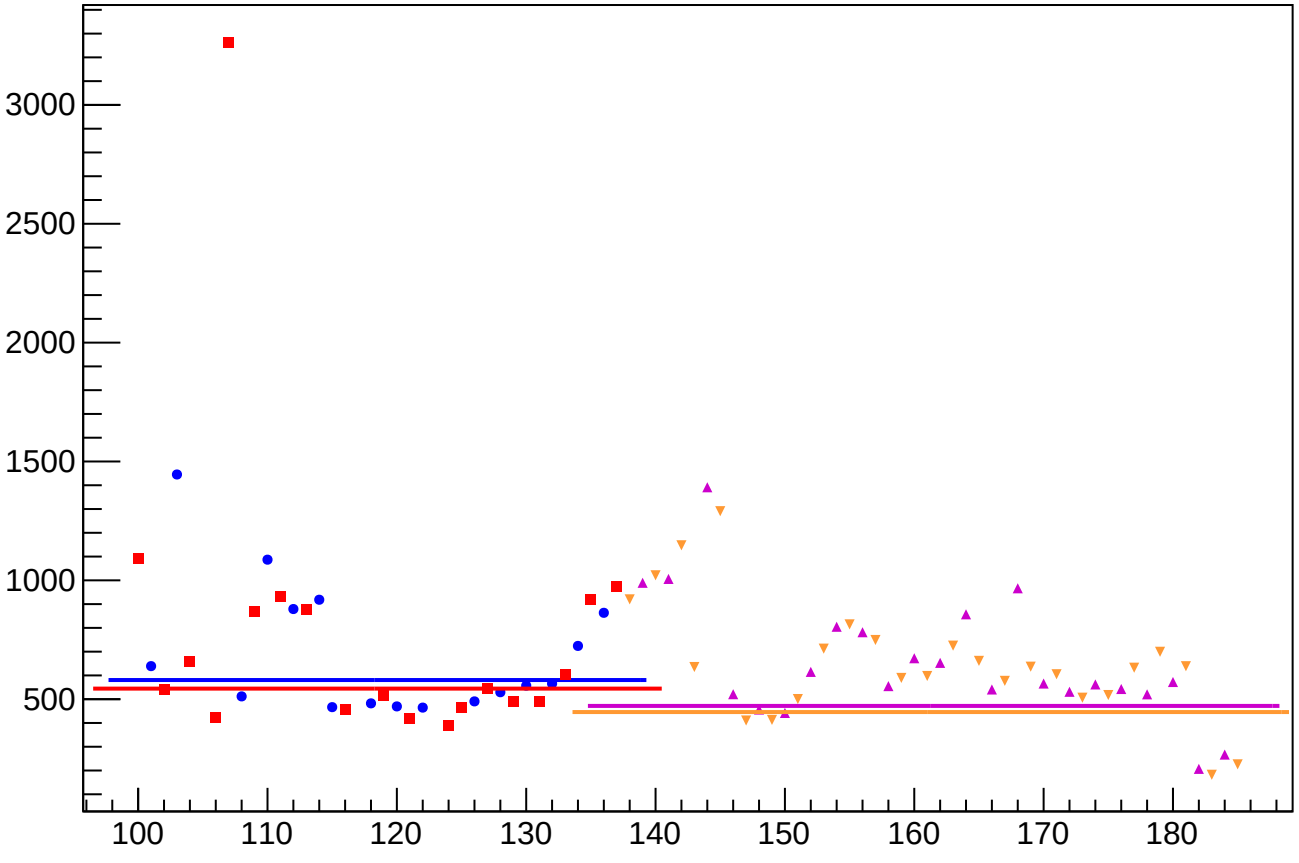
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -157.719+/-103.109 χ^2/NDF: 53.7/40

All: -54.714+/-74.375 χ^2/NDF: 86.9/82

- 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: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

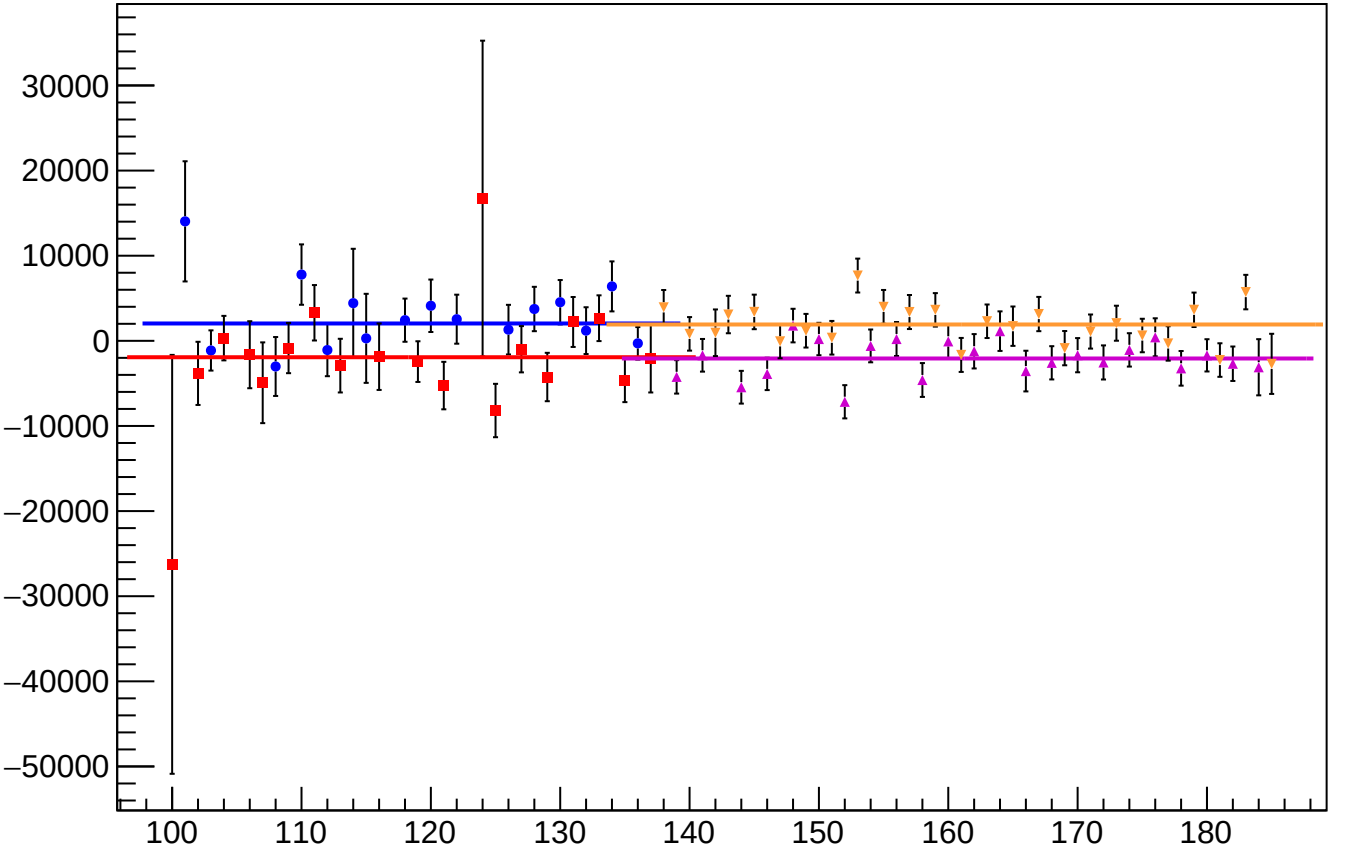
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 472.866+/-0.073 χ^2/NDF: 9532591.1/40

All: 480.497+/-0.053 χ^2/NDF: 17421634.0/82

- sign 488.773+/-0.076 χ^2/NDF: 7866210.0/41

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

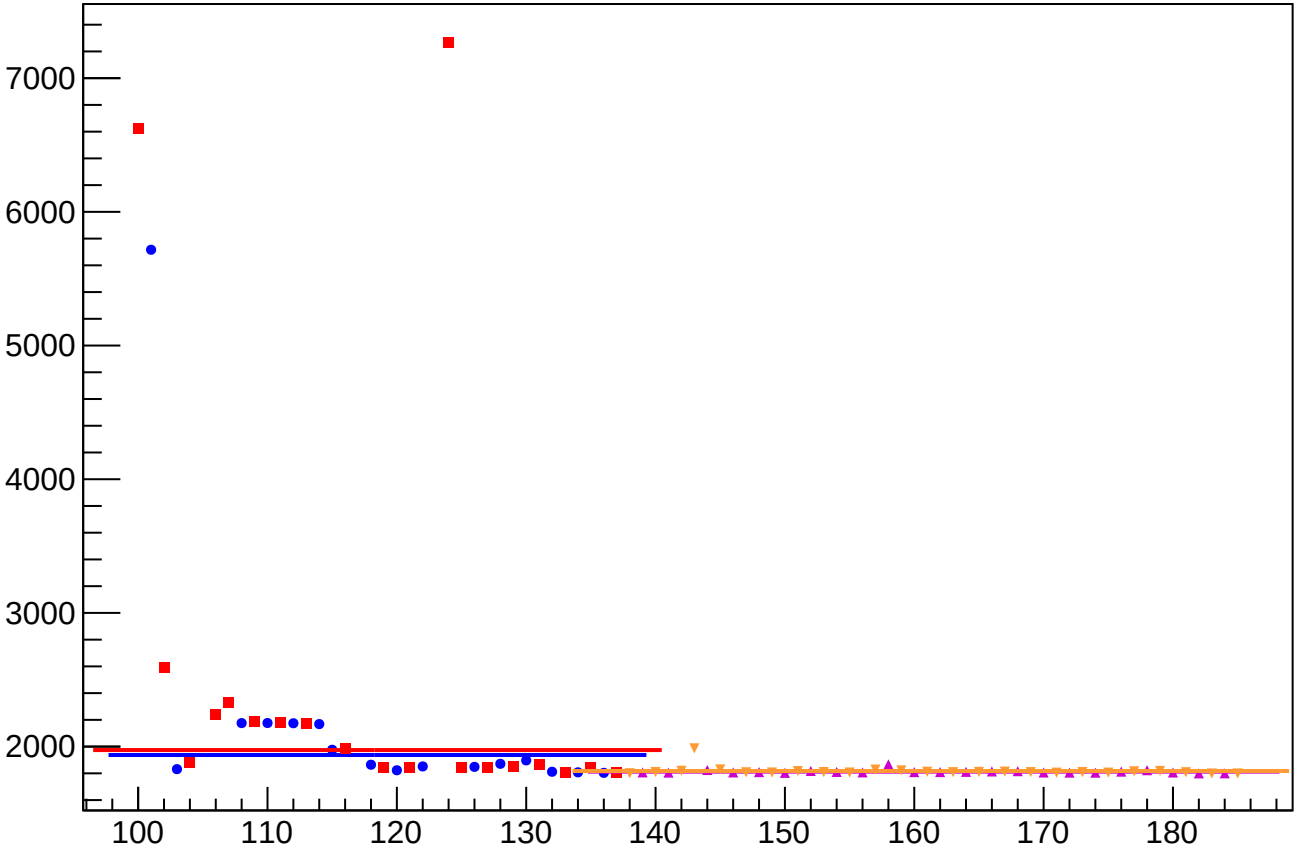
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1948.885+/-360.138 χ^2/NDF: 49.0/40

All: -6.476+/-257.065 χ^2/NDF: 154.1/82

- 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: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

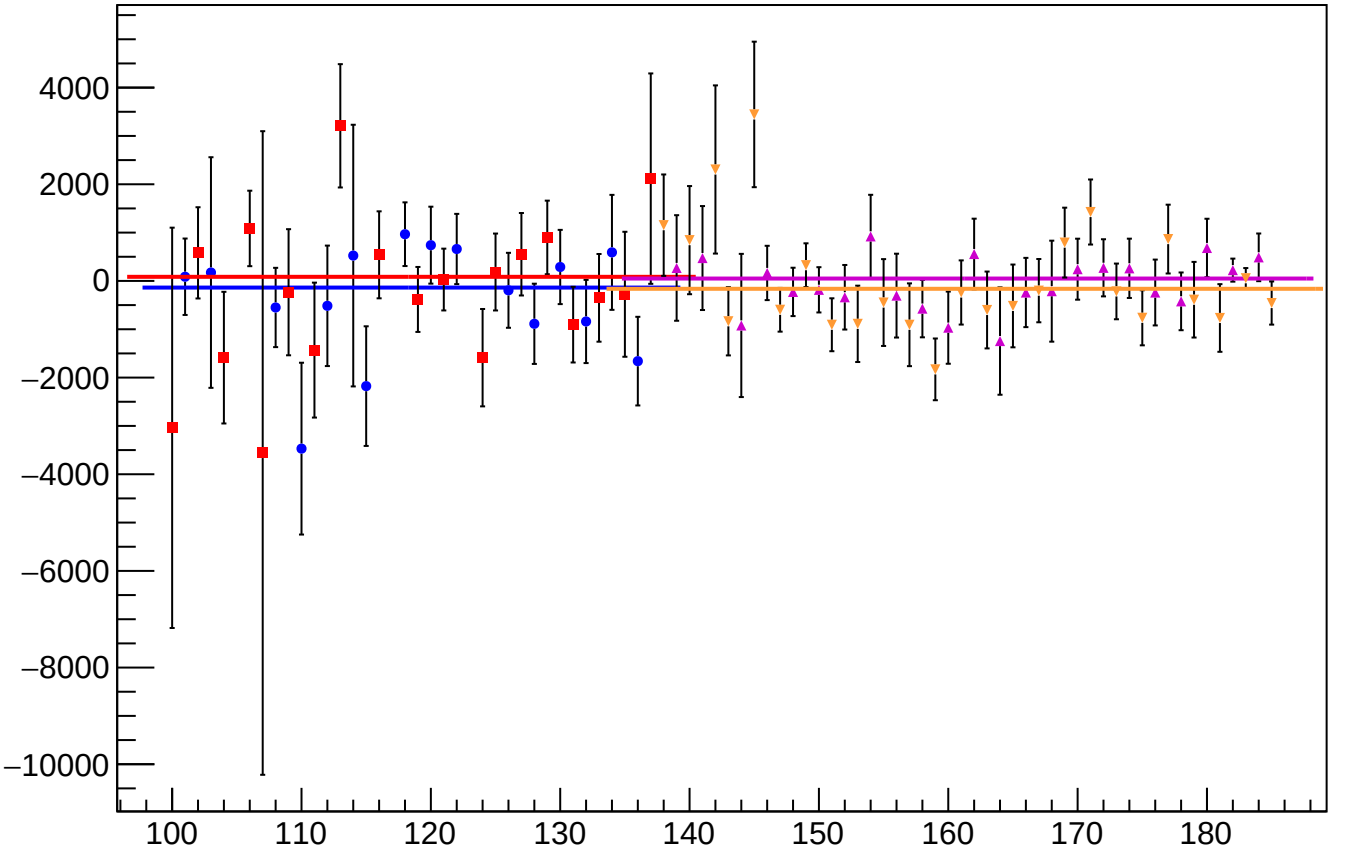
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.174+/-0.255 χ^2/NDF: 691284.7/40

All: 1849.319+/-0.182 χ^2/NDF: 1146300.3/82

- 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: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

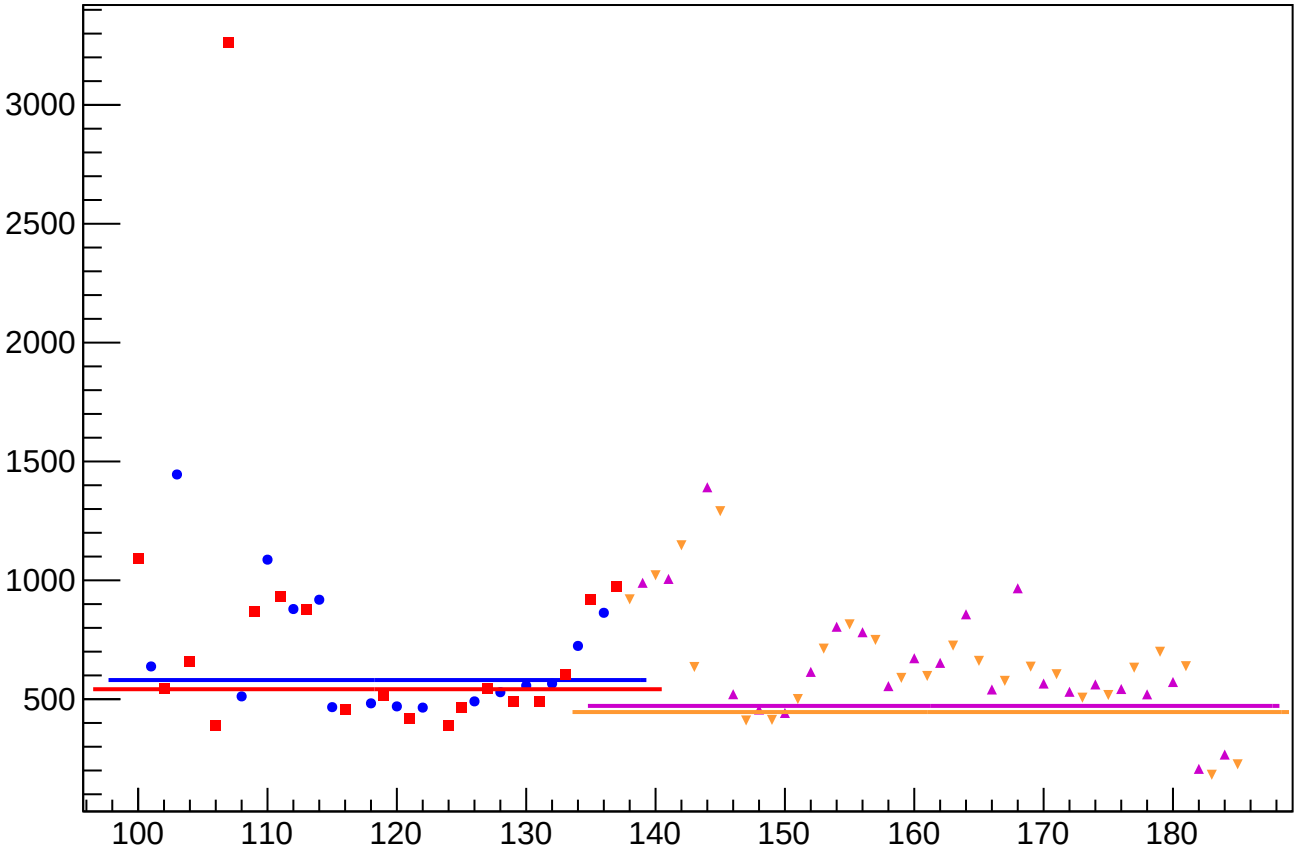
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -157.820+/-103.102 χ^2/NDF: 53.7/40

All: -54.452+/-74.368 χ^2/NDF: 86.5/82

- 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: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

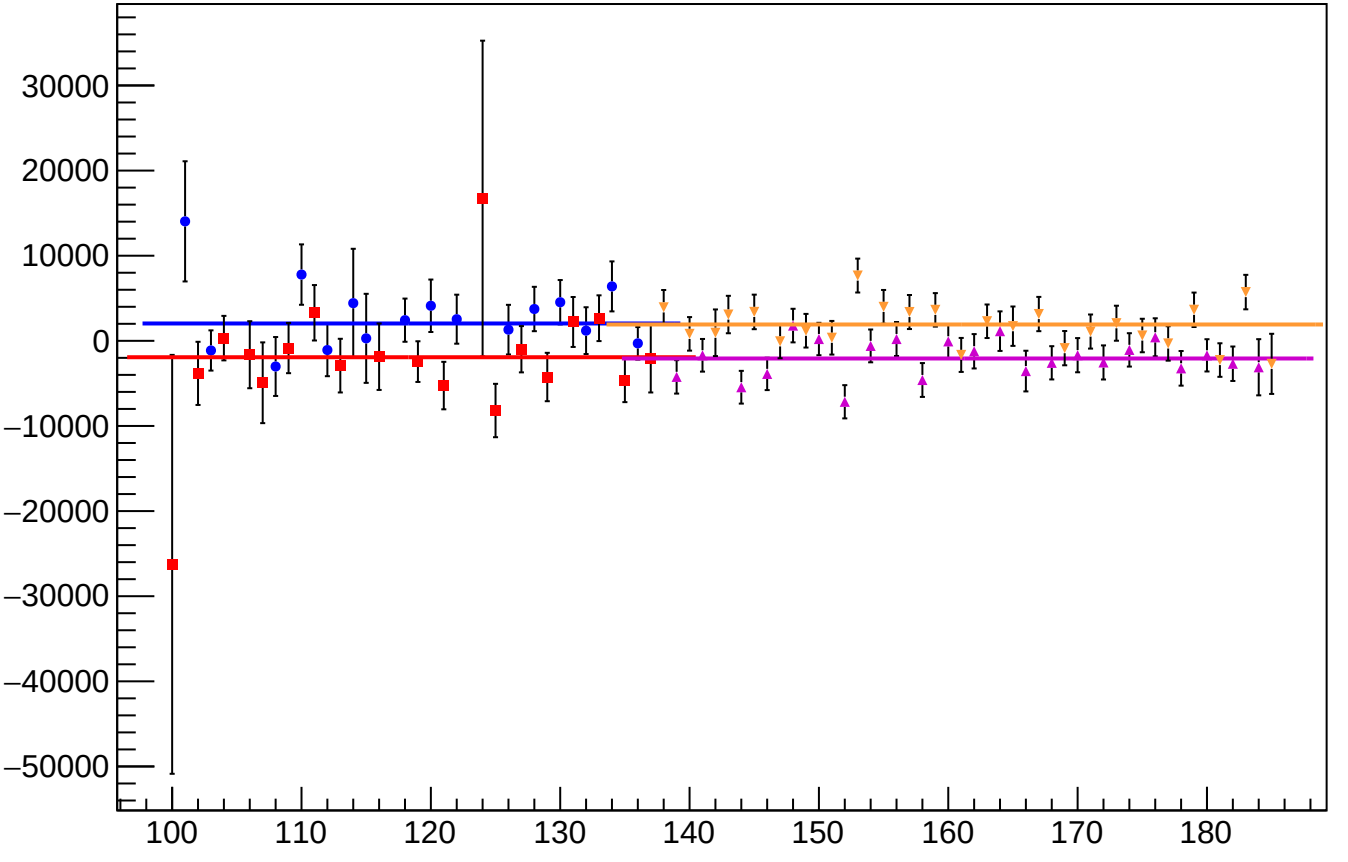
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 472.835+/-0.073 χ^2/NDF: 9533151.5/40

All: 480.202+/-0.053 χ^2/NDF: 17440211.3/82

- 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: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

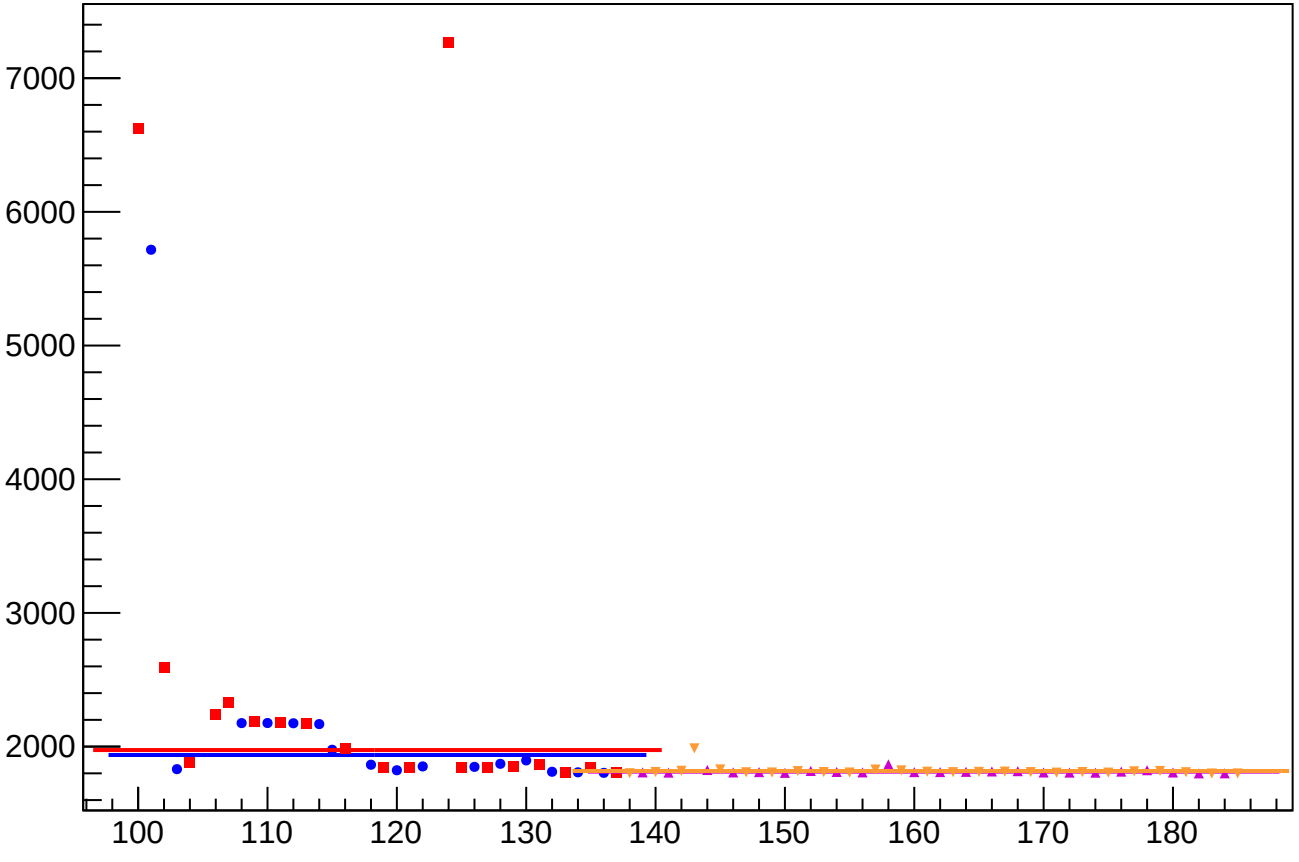
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1948.885+/-360.138 χ^2/NDF: 49.0/40

All: -6.476+/-257.065 χ^2/NDF: 154.1/82

- 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: 1817.524+/-0.292 χ^2/NDF:12955.2/24

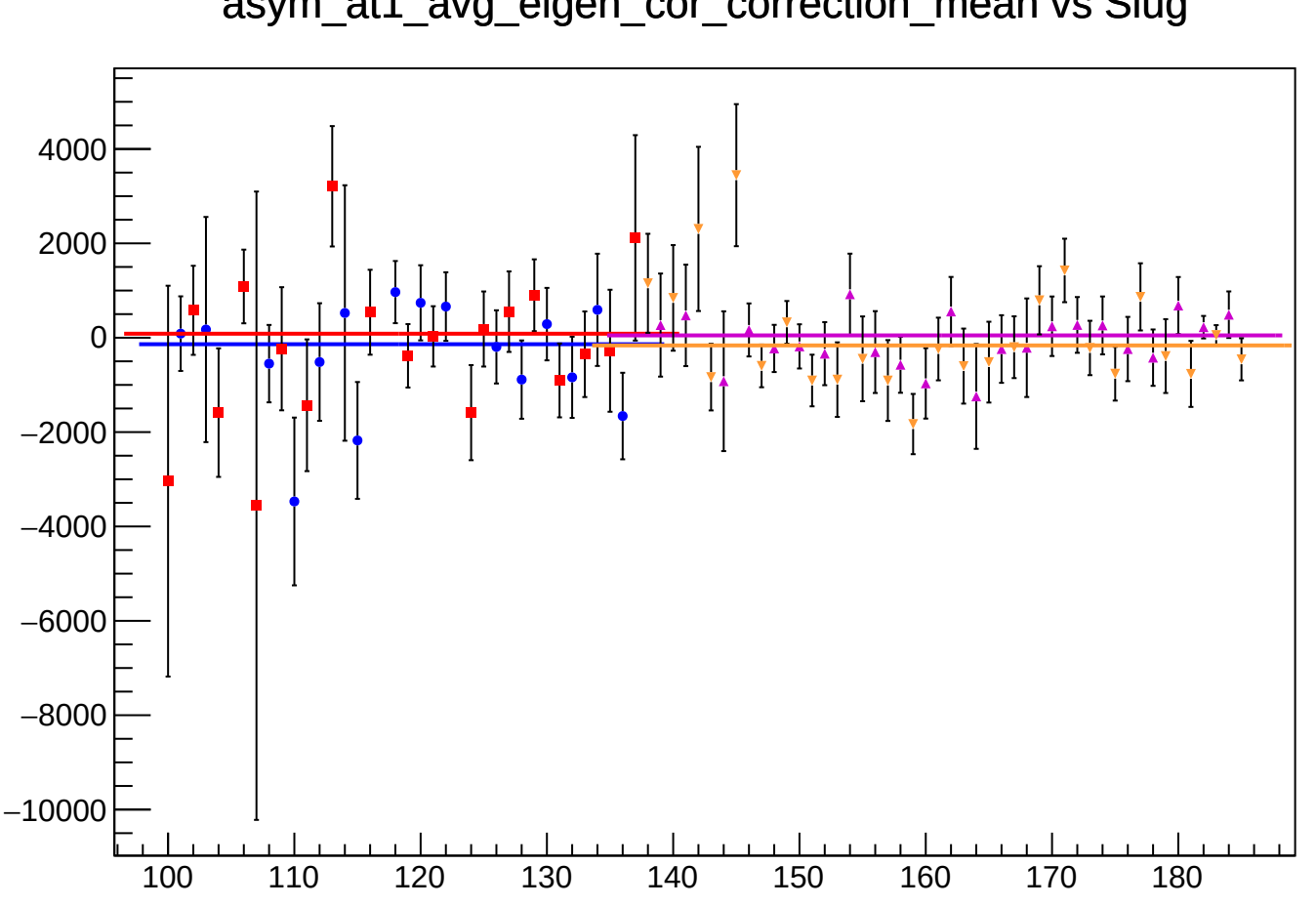
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.174+/-0.255 χ^2/NDF: 691284.7/40

All: 1849.319+/-0.182 χ^2/NDF: 1146300.3/82

- 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: -162.911+/-115.291 χ^2/NDF:36.9/24

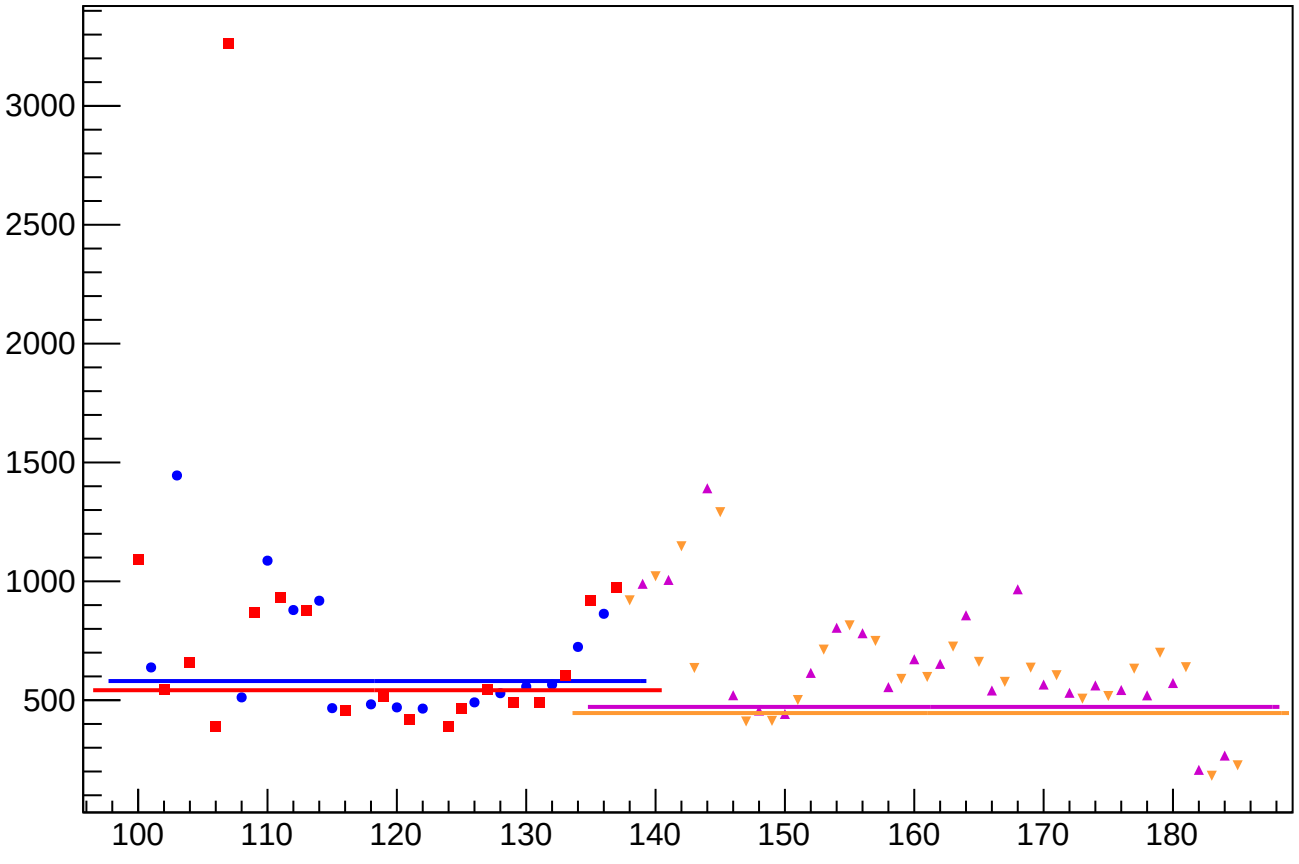
Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -157.820+/-103.102 χ^2/NDF: 53.7/40

All: -54.452+/-74.368 χ^2/NDF: 86.5/82

- sign 57.655+/-107.371 χ^2/NDF: 30.6/41



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

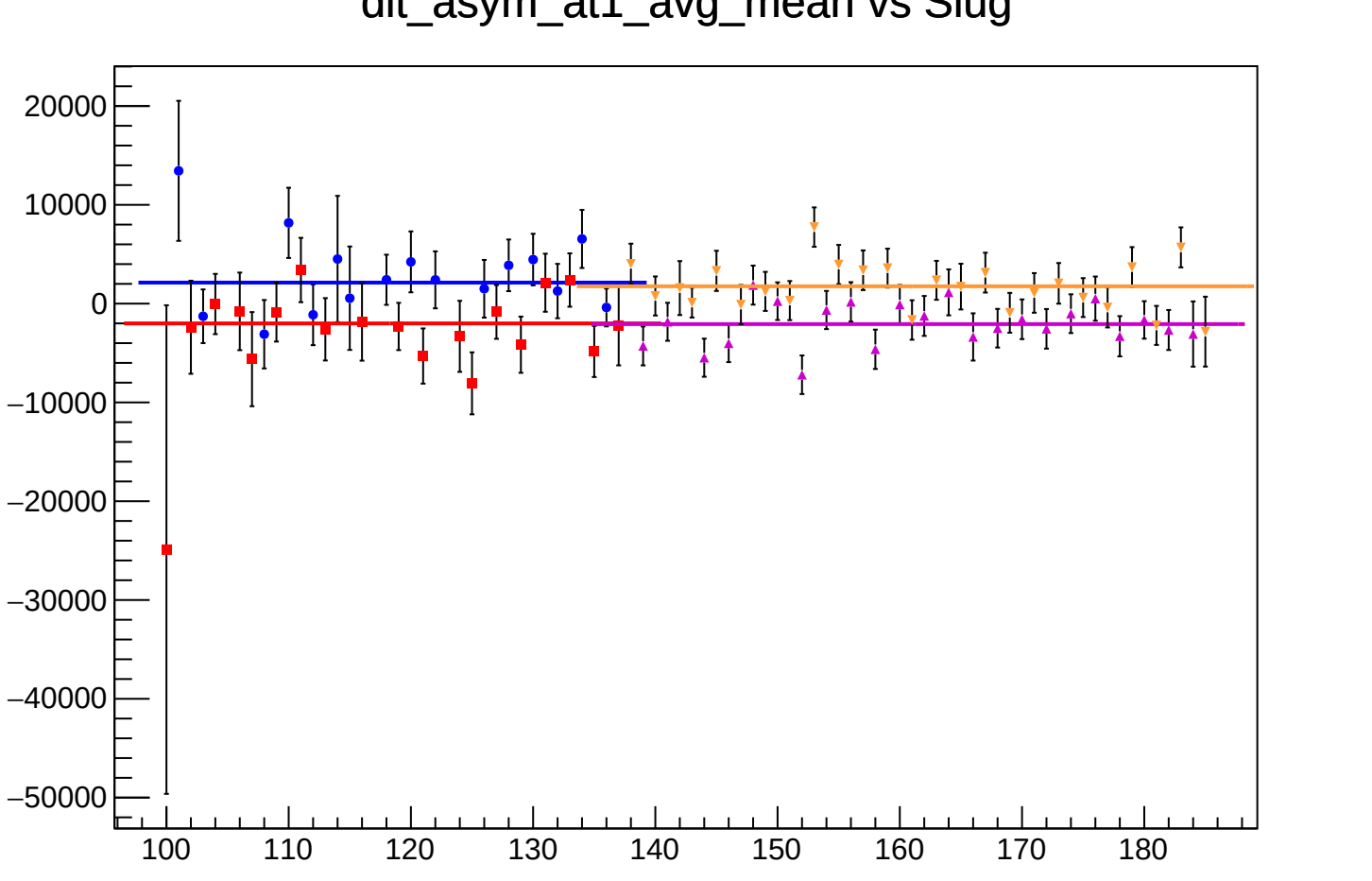
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 472.835+/-0.073 χ^2/NDF: 9533151.5/40

All: 480.202+/-0.053 χ^2/NDF: 17440211.3/82

- 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: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

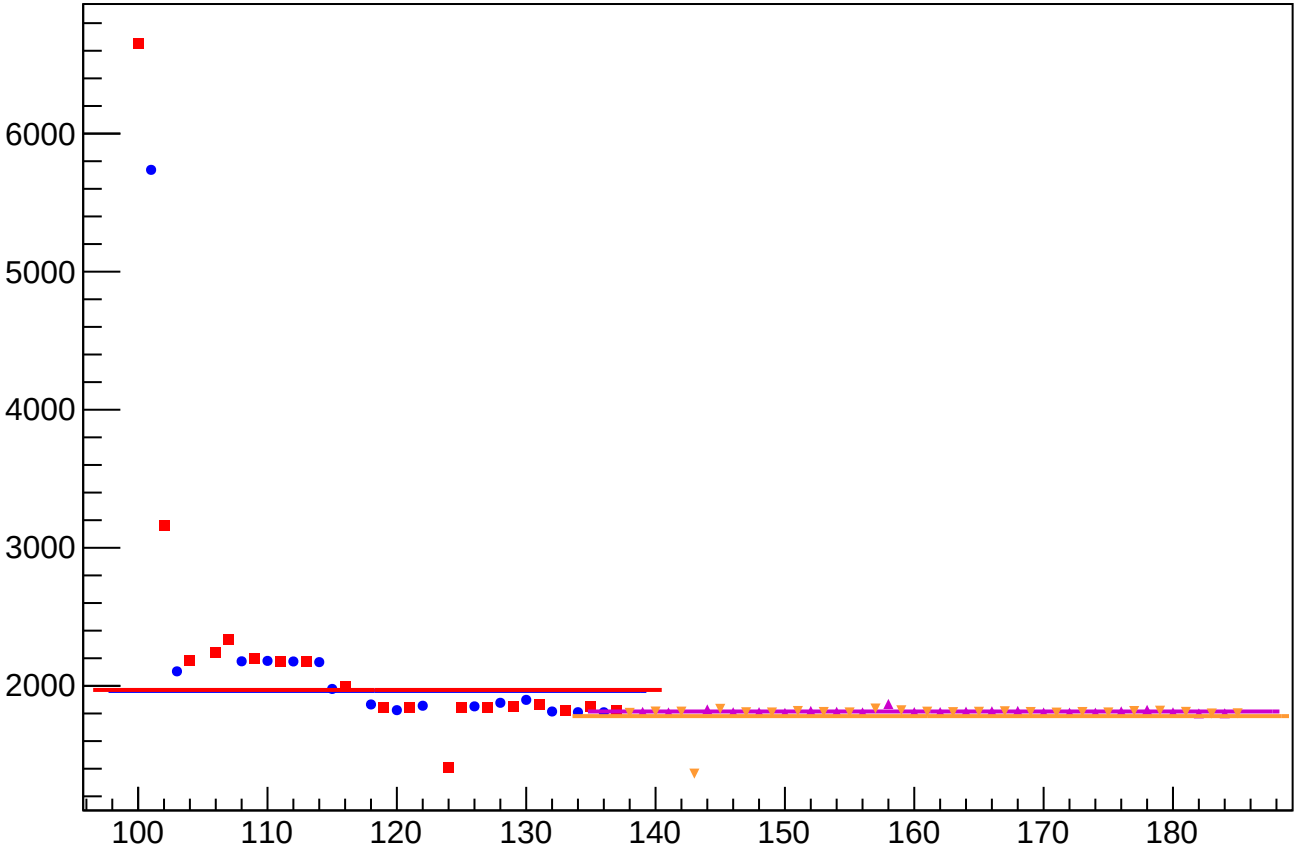
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1840.549+/-356.229 χ^2/NDF: 50.5/40

All: -47.921+/-255.721 χ^2/NDF: 152.2/82

- 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: 1780.913+/-0.287 χ^2/NDF:164936.9/24

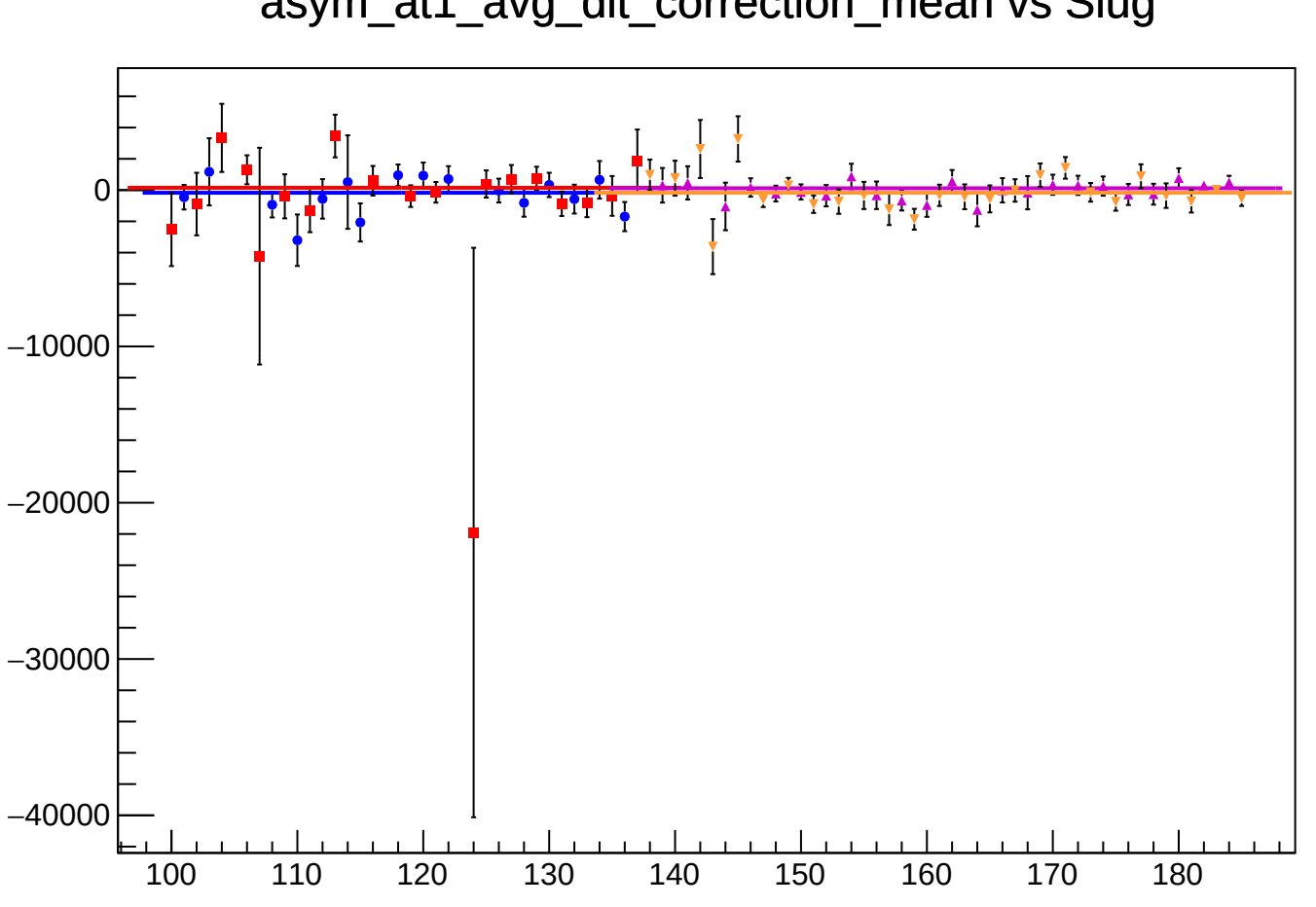
Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.501+/-0.252 χ^2/NDF: 897552.7/40

All: 1837.365+/-0.181 χ^2/NDF: 1319312.6/82

- sign 1853.170+/-0.260 χ^2/NDF: 414575.0/41



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

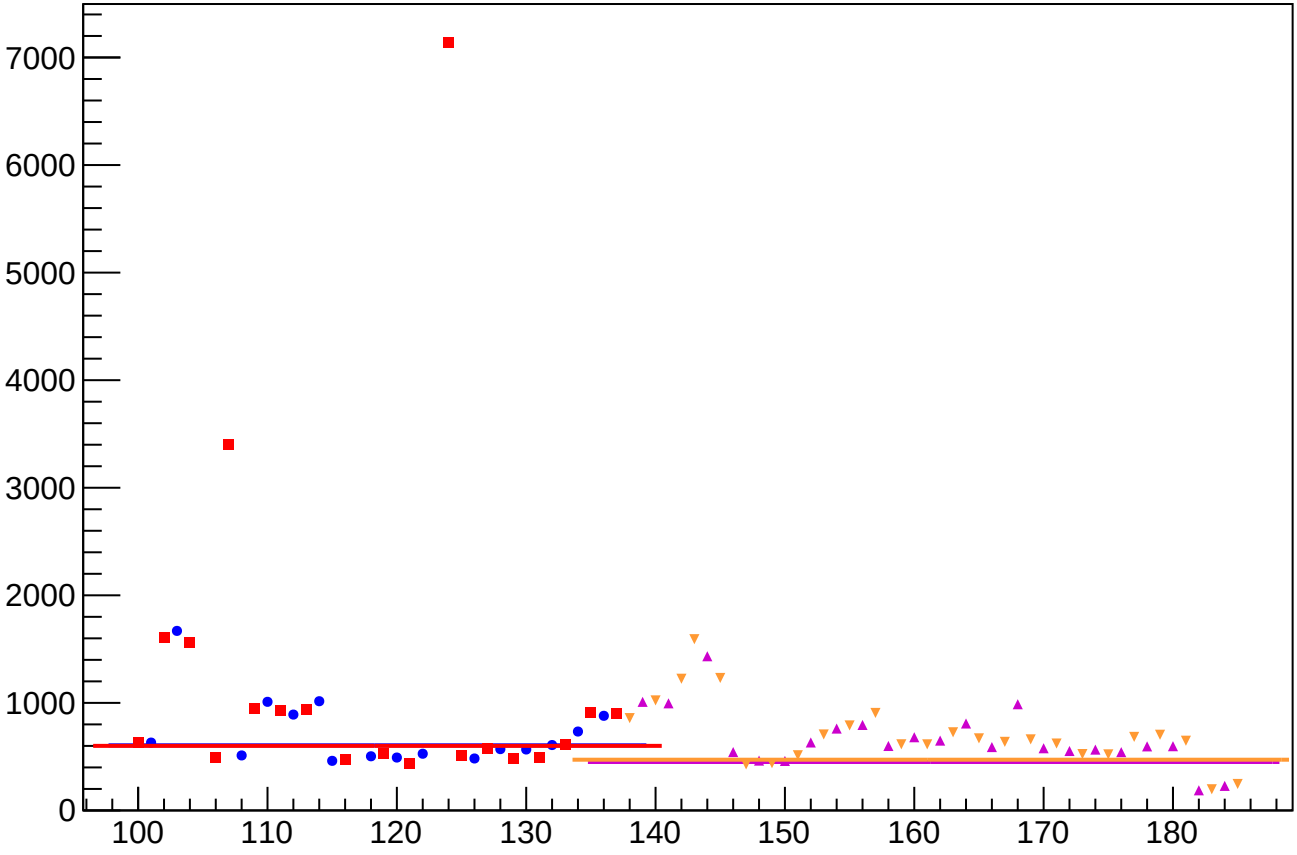
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -168.506+/-108.202 χ^2/NDF: 55.6/40

All: -21.625+/-76.232 χ^2/NDF: 91.6/82

- 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: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

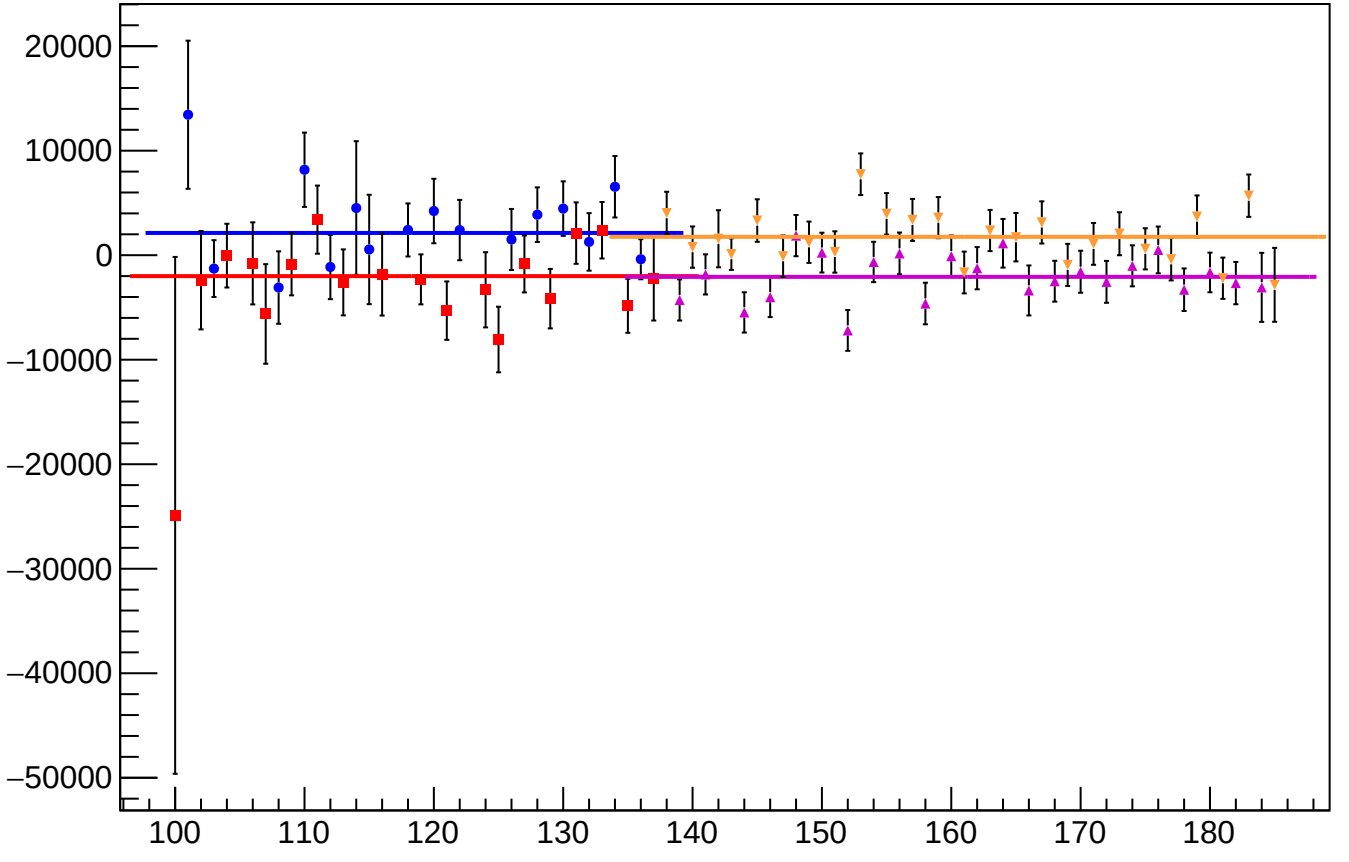
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 499.656+/-0.077 χ^2/NDF: 9778867.5/40

All: 489.736+/-0.054 χ^2/NDF: 20681168.3/82

- sign 479.960+/-0.076 χ^2/NDF: 10868924.4/41

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

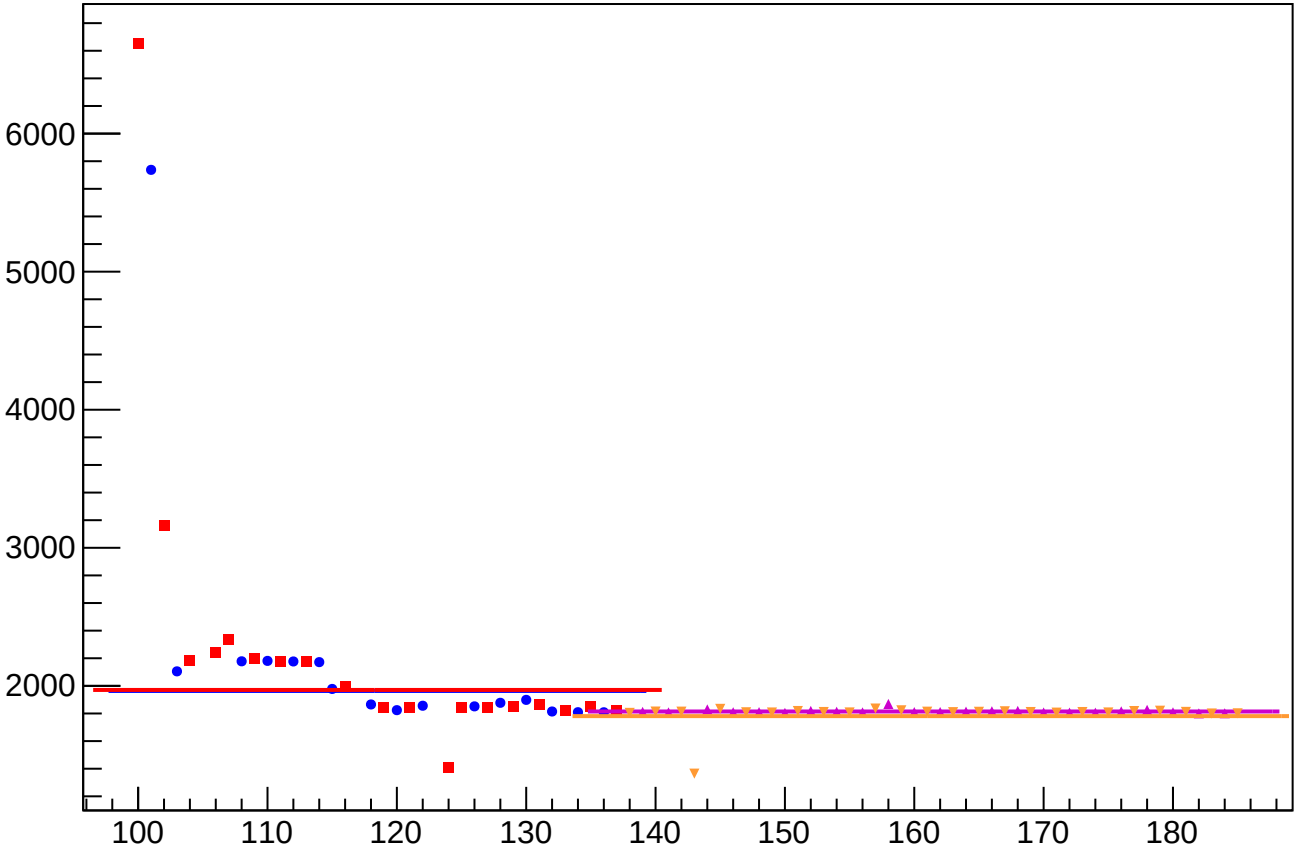
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1840.549+/-356.229 χ^2/NDF: 50.5/40

All: -47.921+/-255.721 χ^2/NDF: 152.2/82

- 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: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

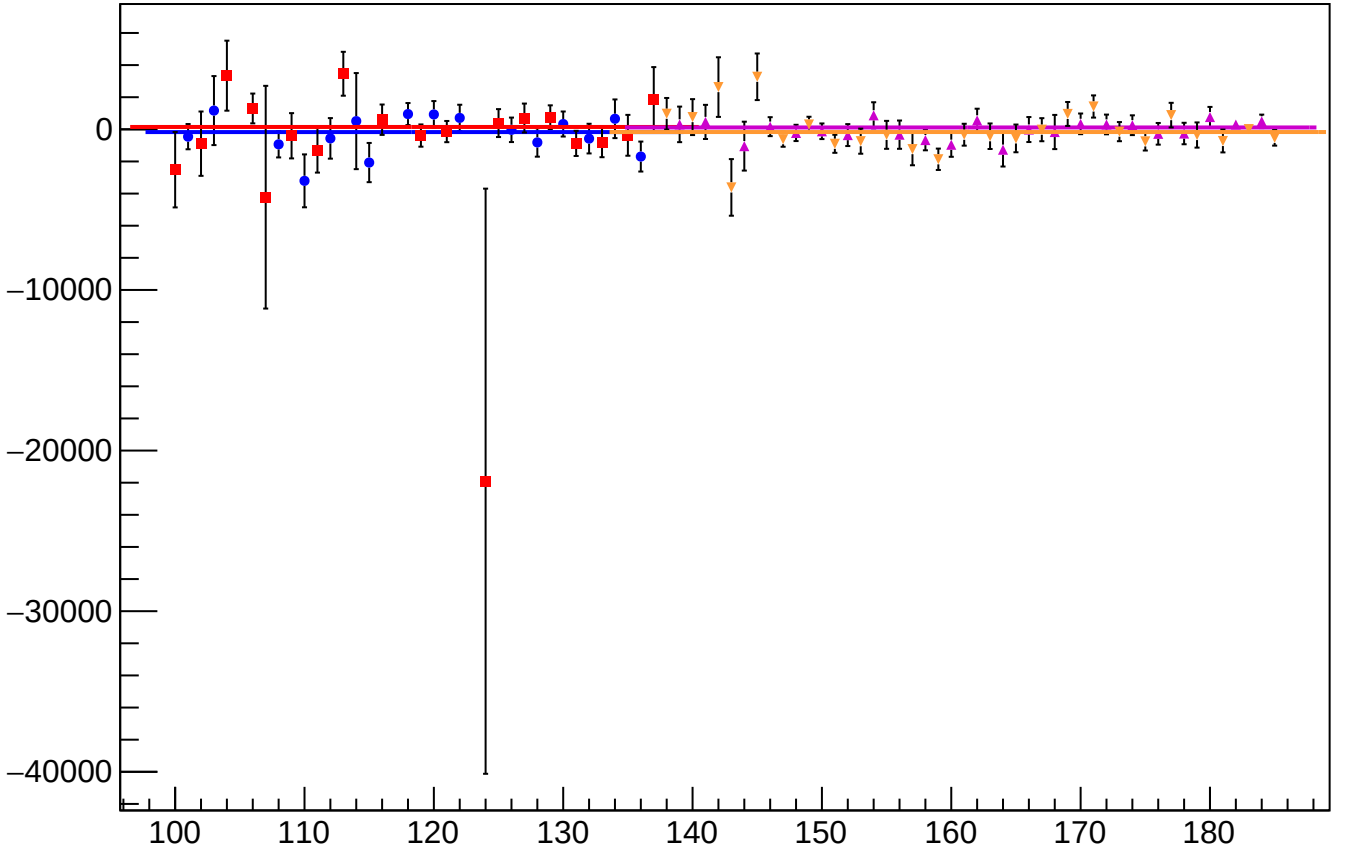
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.501+/-0.252 χ^2/NDF: 897552.2/40

All: 1837.365+/-0.181 χ^2/NDF: 1319310.5/82

- 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: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

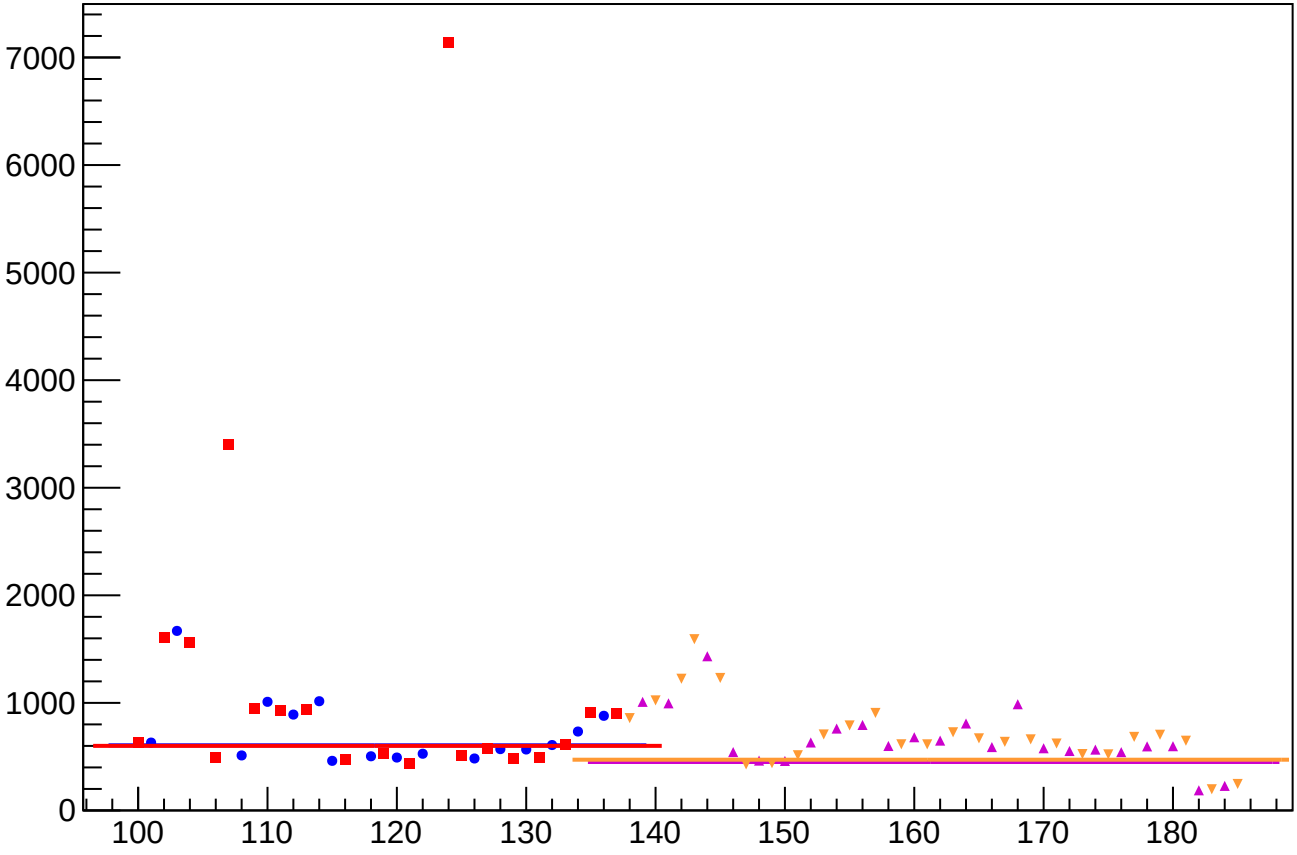
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -168.507+/-108.202 χ^2/NDF: 55.6/40

All: -21.625+/-76.232 χ^2/NDF: 91.6/82

- 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: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

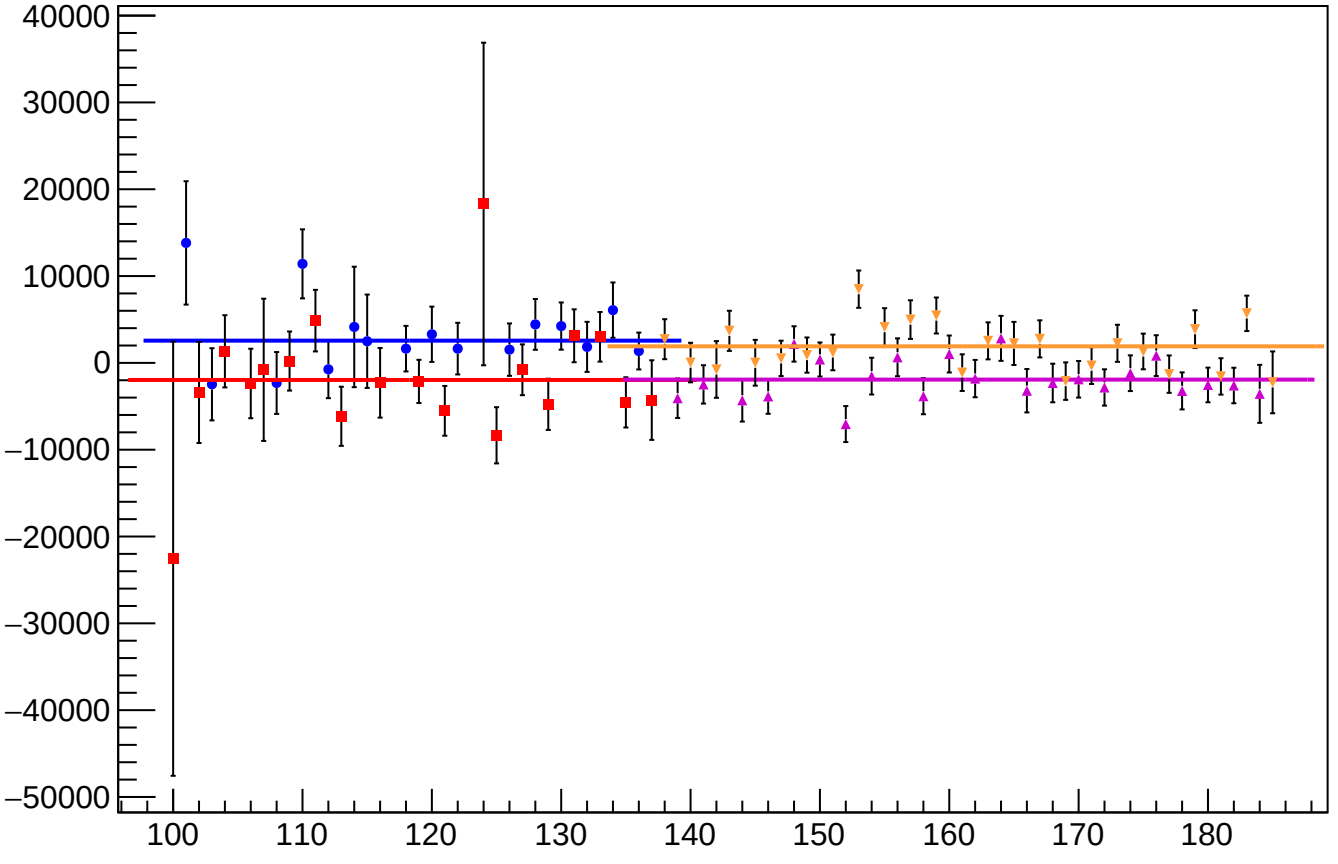
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 499.656+/-0.077 χ^2/NDF: 9778862.8/40

All: 489.737+/-0.054 χ^2/NDF: 20681142.8/82

- 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: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

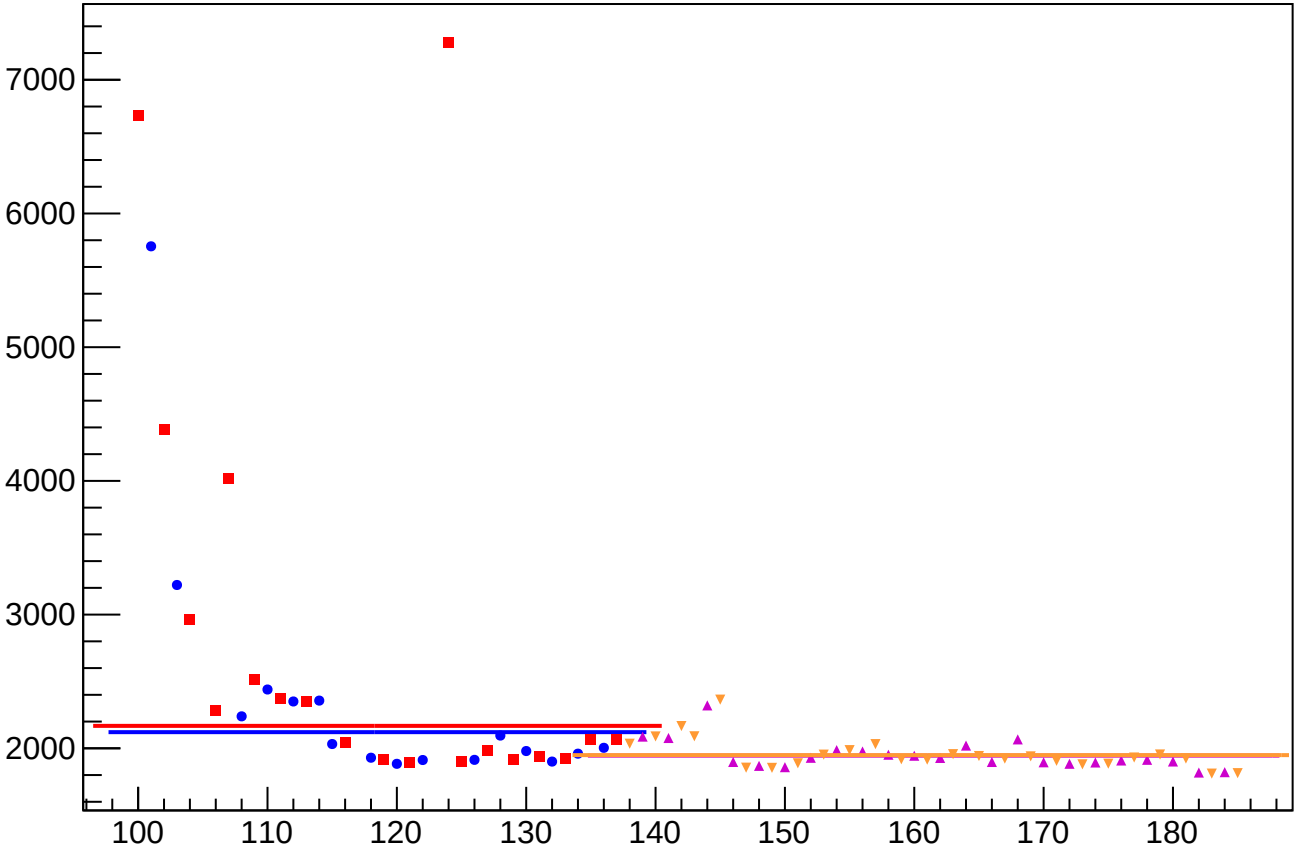
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2058.229+/-388.984 χ^2/NDF: 51.4/40

All: 105.054+/-278.064 χ^2/NDF: 149.3/82

- 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: 1949.001+/-0.314 χ^2/NDF:108523.9/24

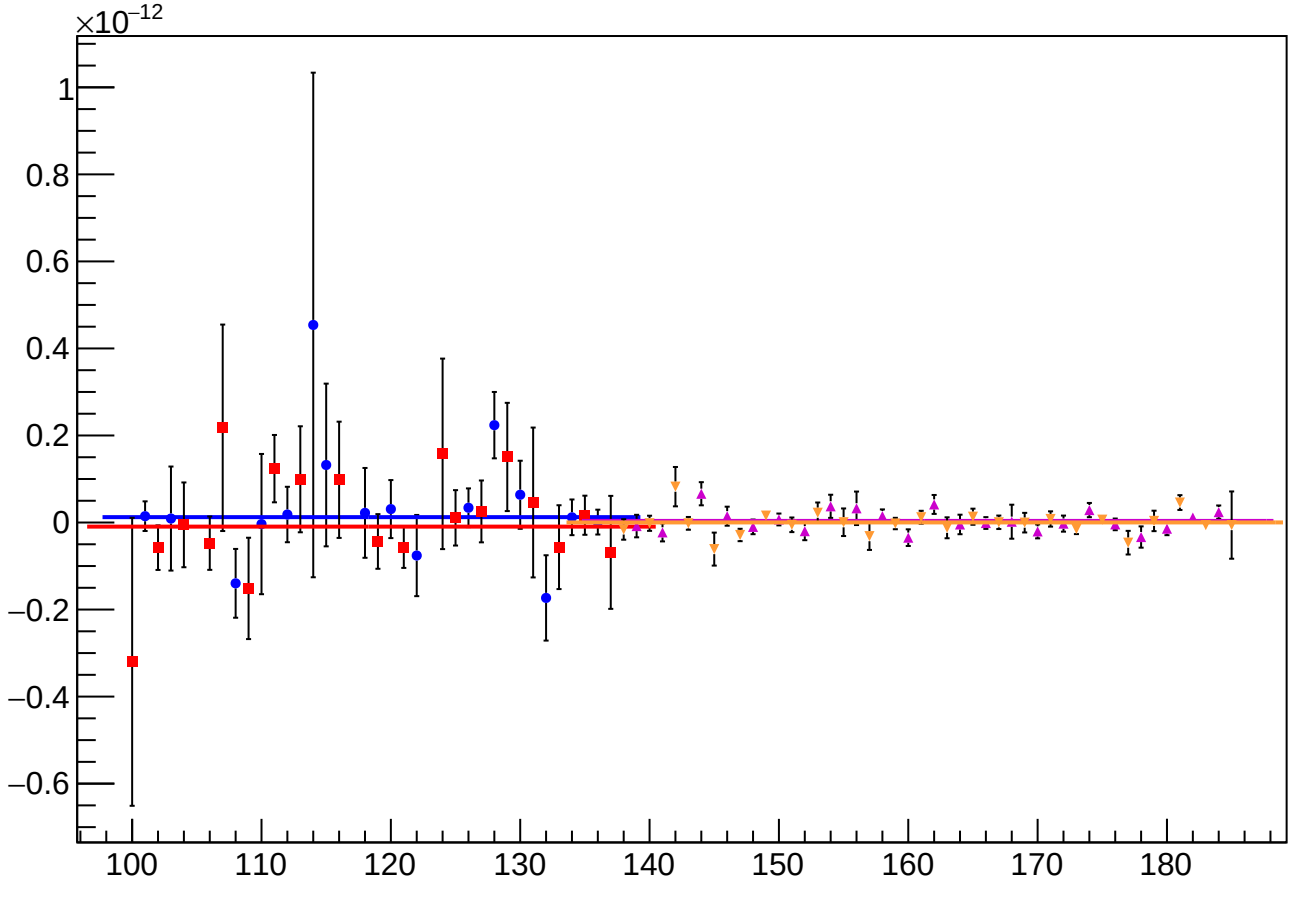
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1988.650+/-0.275 χ^2/NDF: 937737.5/40

All: 1993.052+/-0.197 χ^2/NDF: 1971198.7/82

- 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:28.7/24

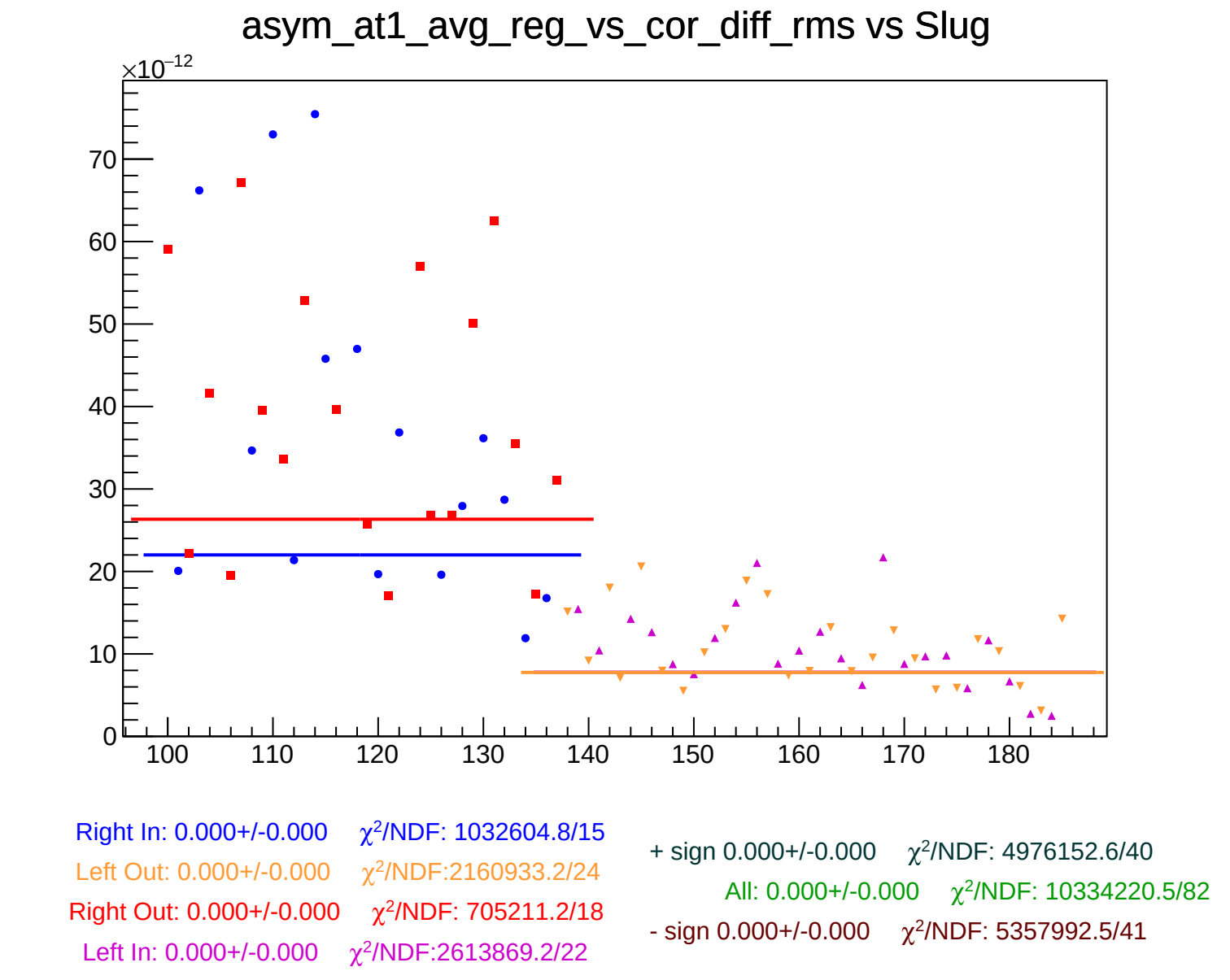
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

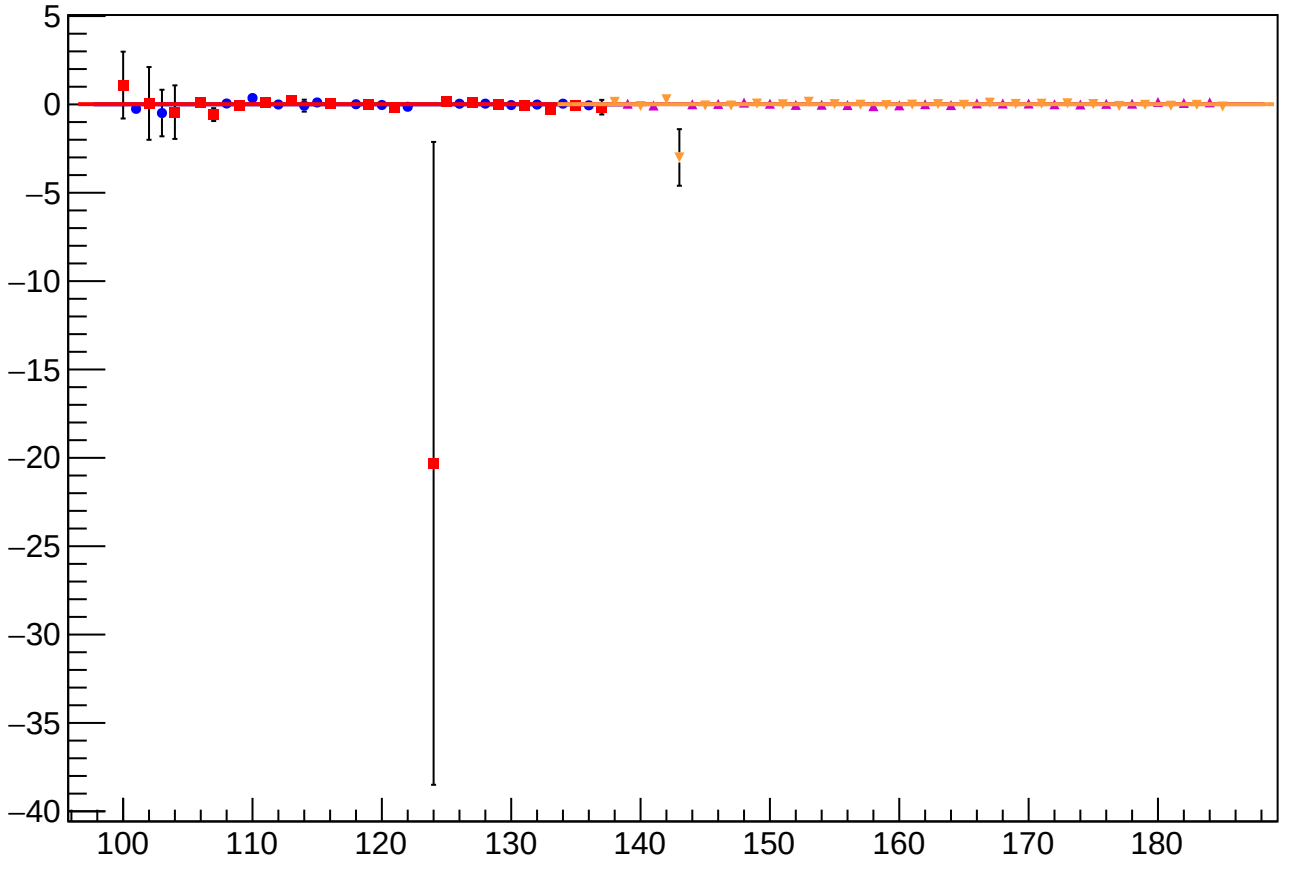
+ sign 0.000+/-0.000 χ^2/NDF: 47.1/40

All: 0.000+/-0.000 χ^2/NDF: 92.8/82

- 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:2160933.2/24
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: 4976152.6/40
All: 0.000+/-0.000 χ²/NDF: 10334220.5/82
- 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: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

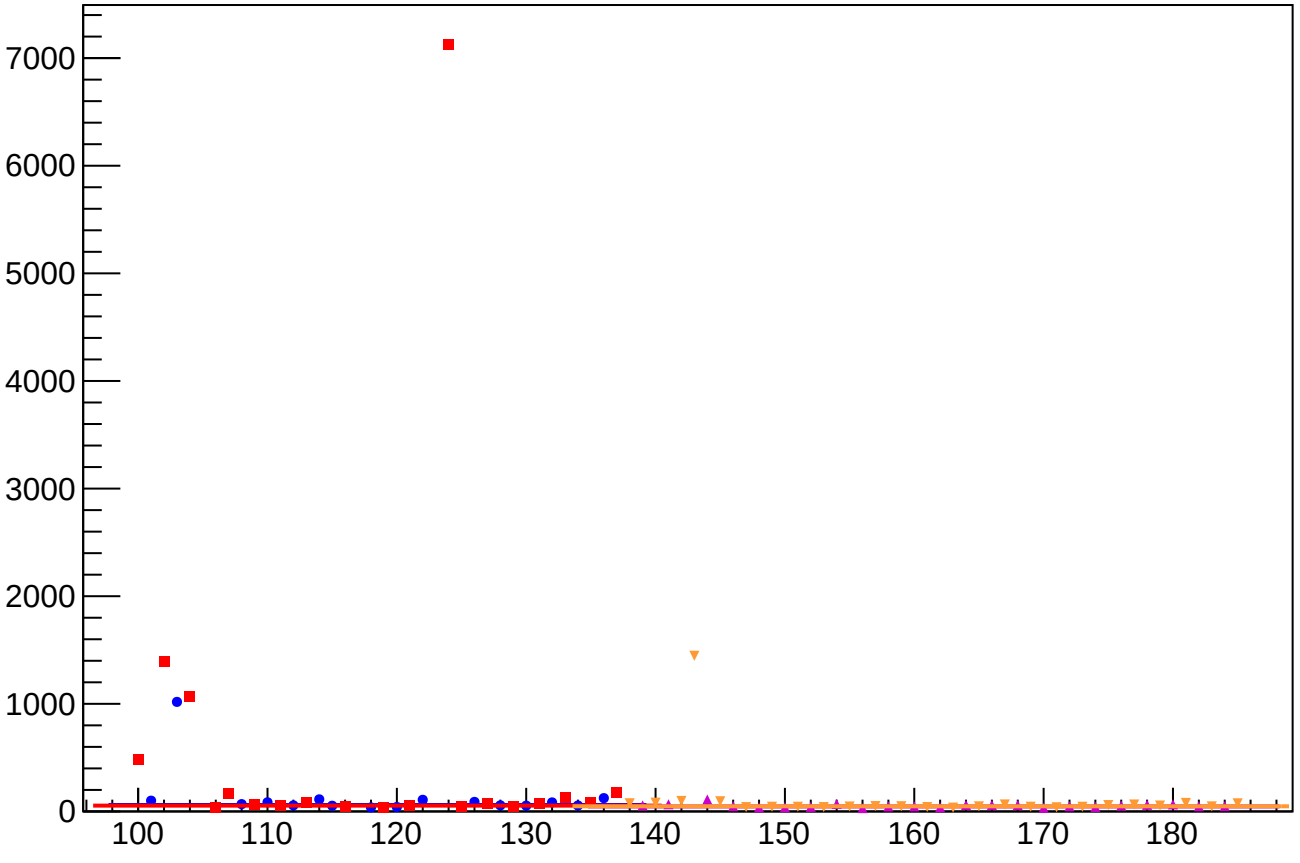
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/40

All: 0.014+/-0.008 χ^2/NDF: 79.2/82

- 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: 47.901+/-0.009 χ^2/NDF:3496596.6/24

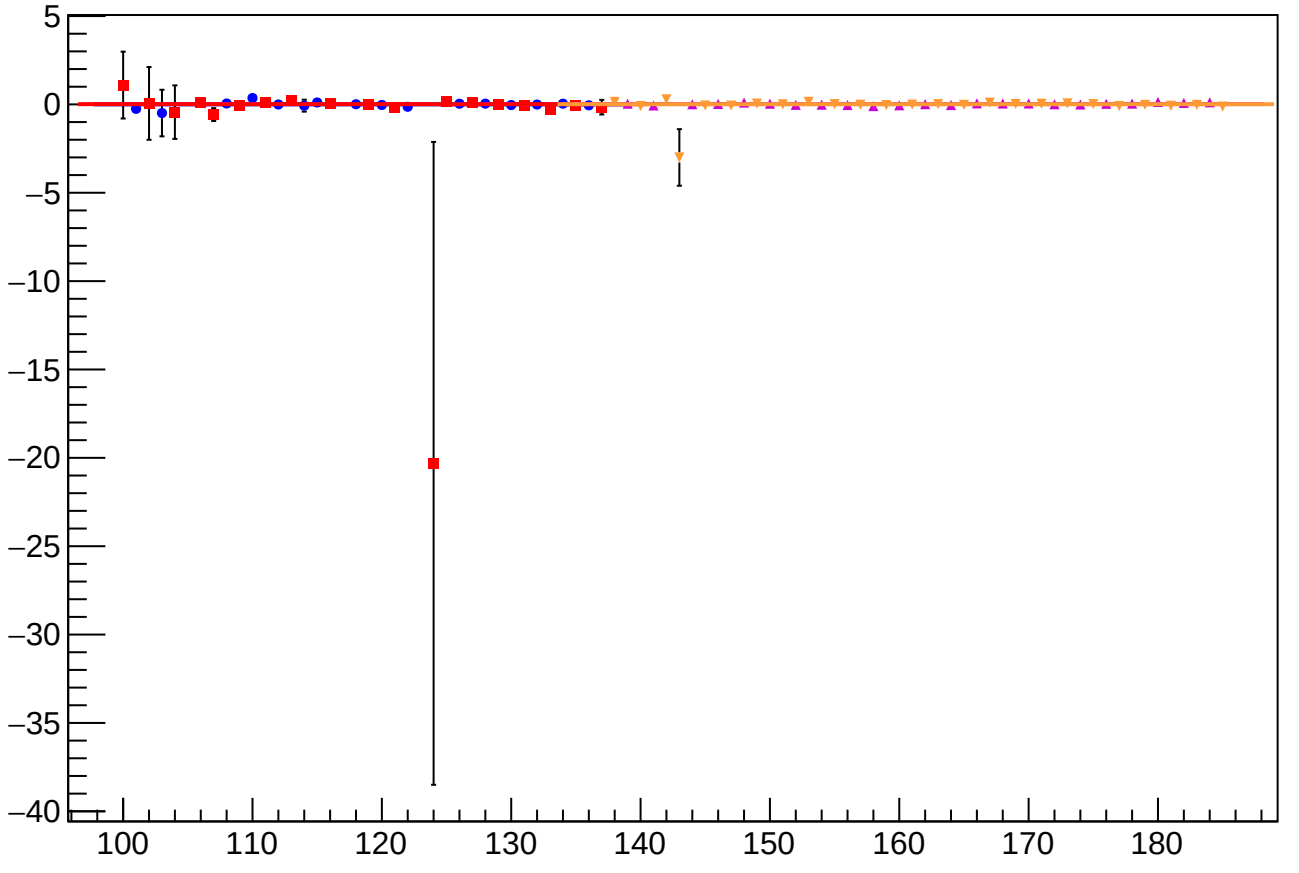
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.029+/-0.008 χ^2/NDF: 6363613.6/40

All: 49.076+/-0.006 χ^2/NDF: 11999125.1/82

- sign 48.159+/-0.008 χ^2/NDF: 5607504.5/41



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

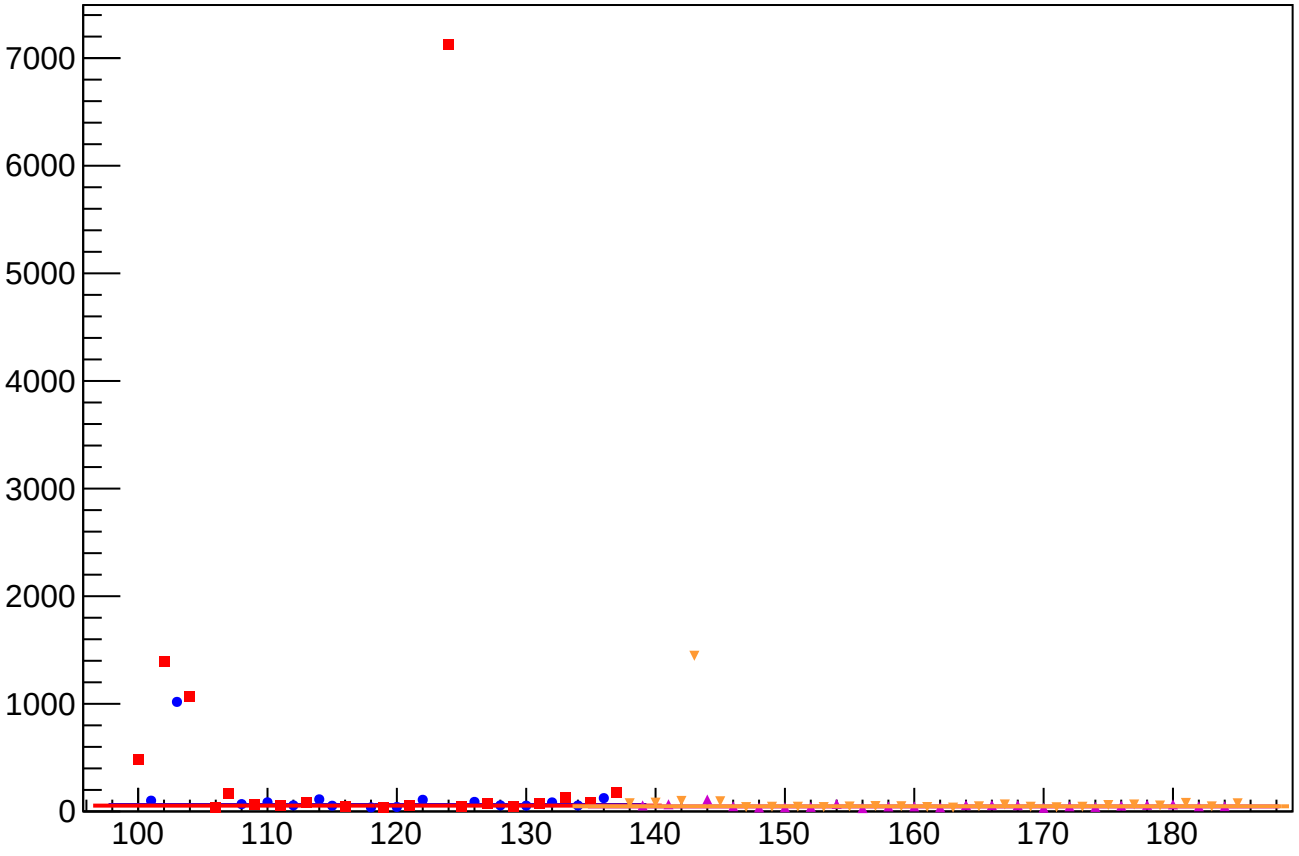
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/40

All: 0.014+/-0.008 χ^2/NDF: 79.2/82

- 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: 47.901+/-0.009 χ^2/NDF:3496596.6/24

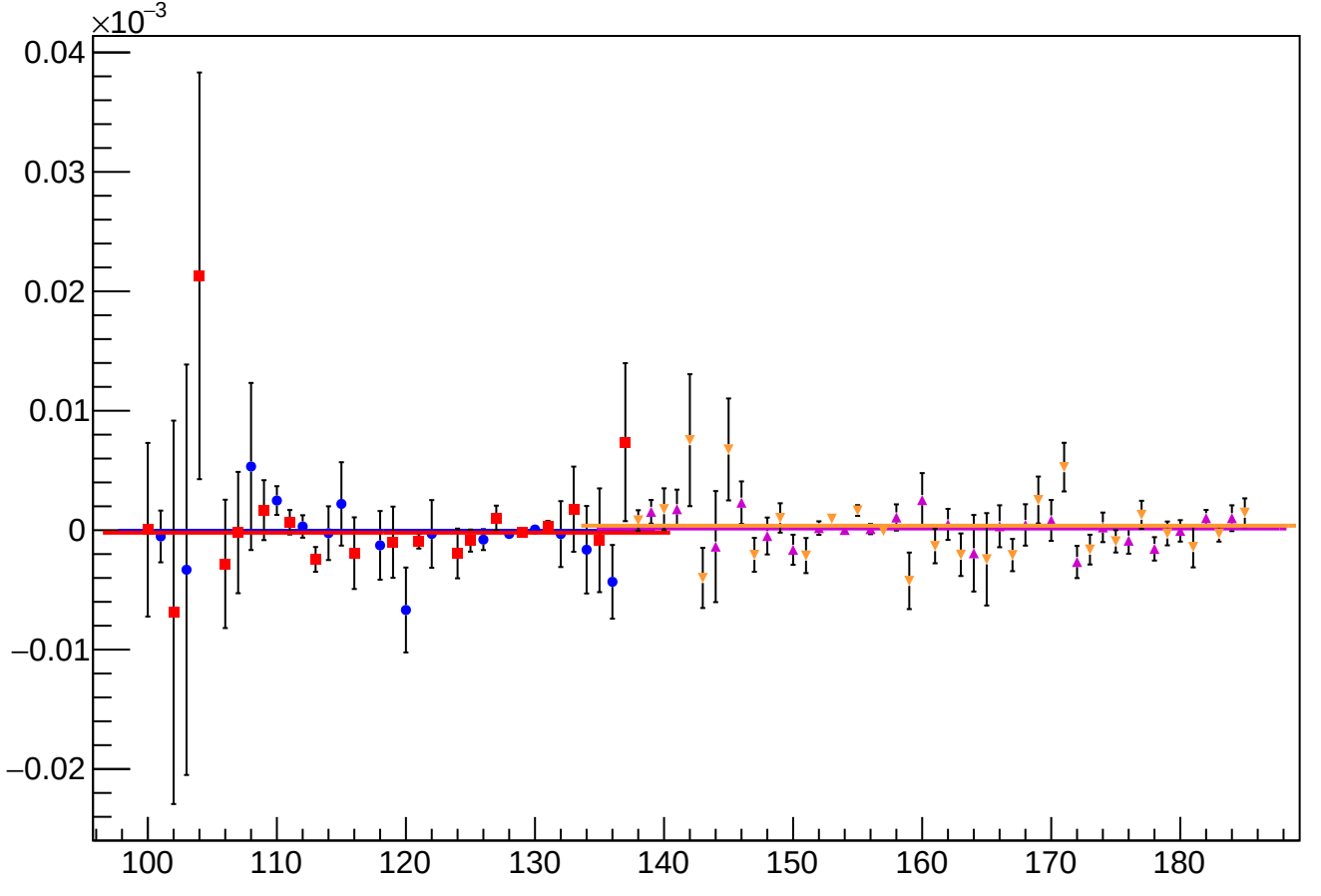
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.029+/-0.008 χ^2/NDF: 6363613.6/40

All: 49.076+/-0.006 χ^2/NDF: 11999125.1/82

- 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:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

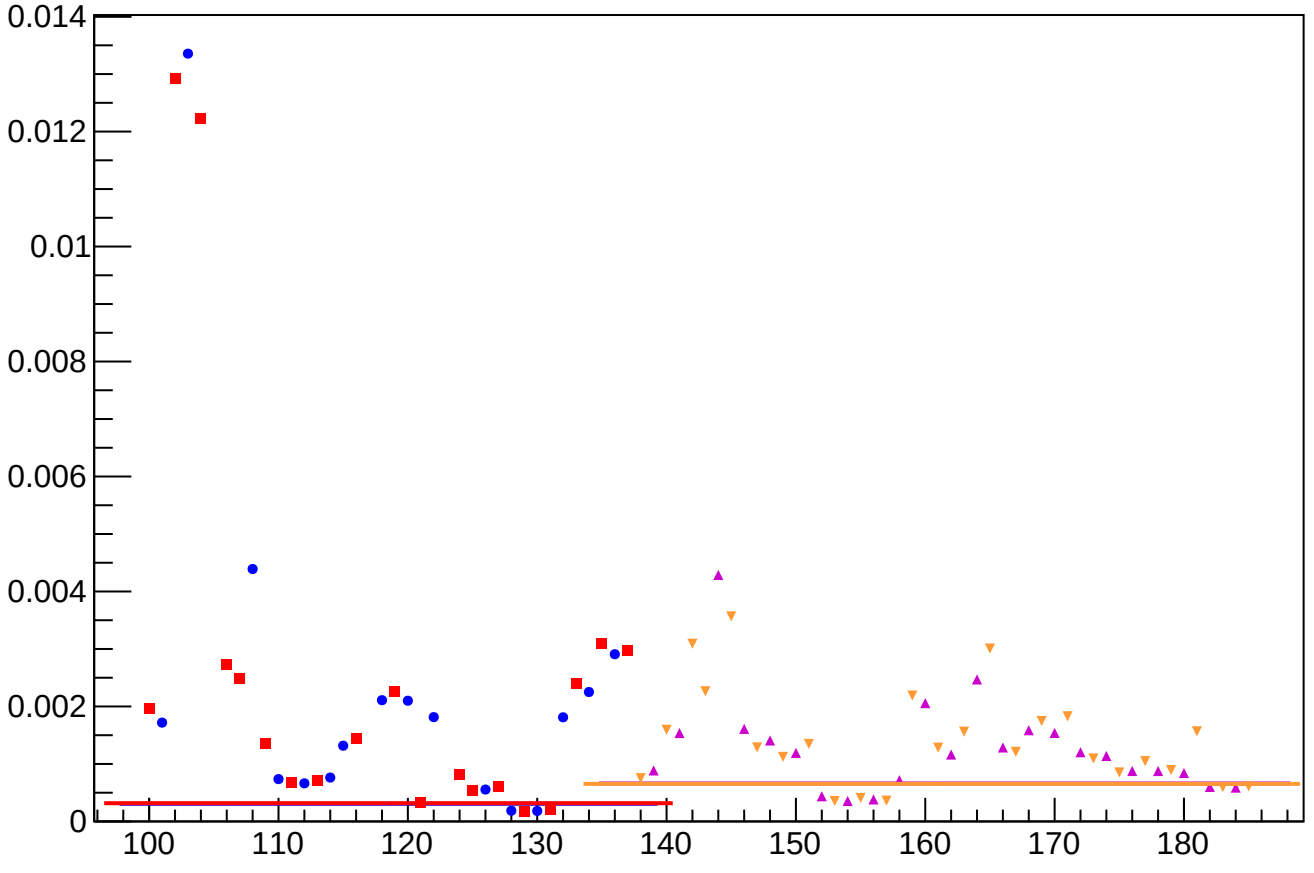
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.1/40

All: 0.000+/-0.000 χ^2/NDF: 105.5/82

- sign -0.000+/-0.000 χ^2/NDF: 37.2/41

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

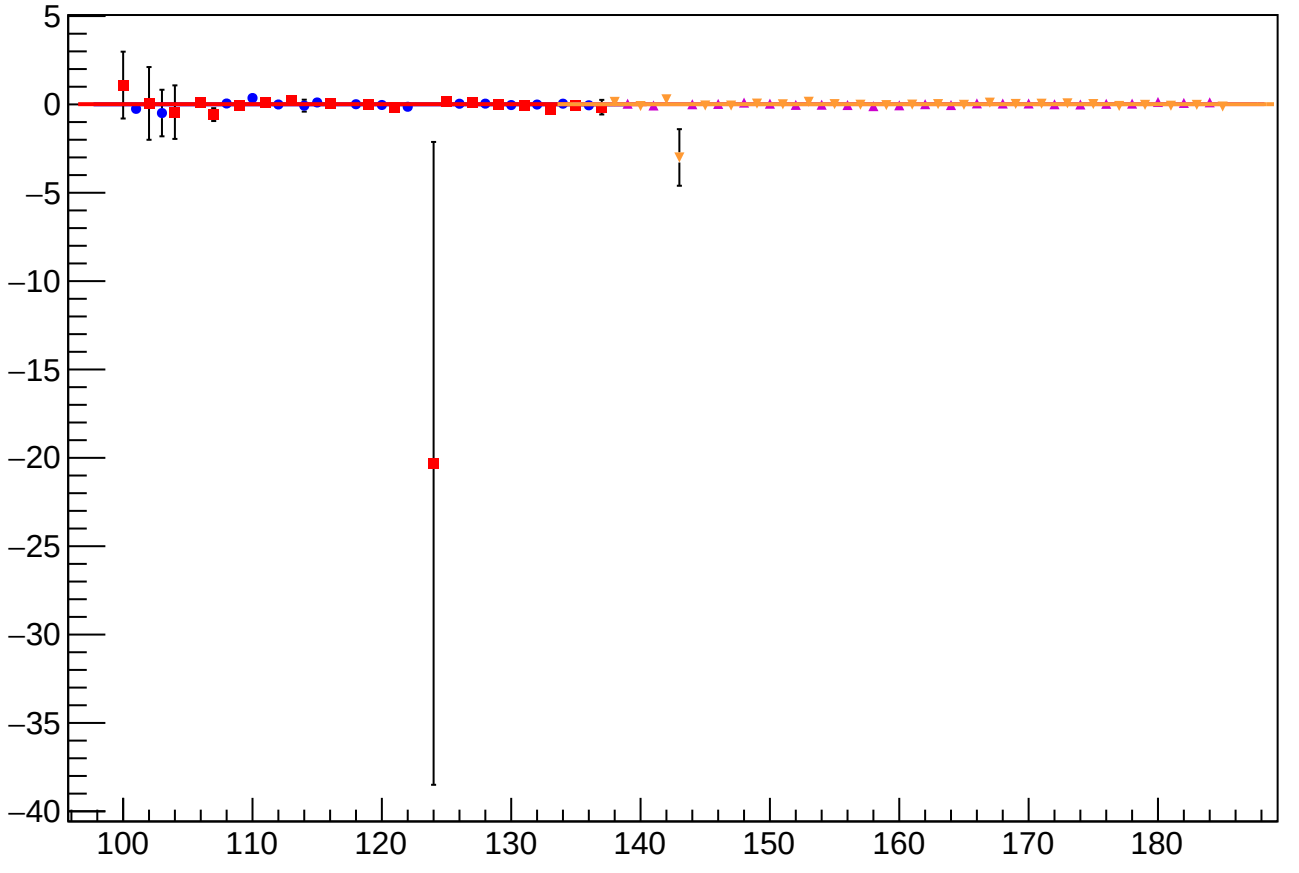
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 24214135.3/40

All: 0.000+/-0.000 χ^2/NDF: 45184760.4/82

- sign 0.000+/-0.000 χ^2/NDF: 20970363.1/41



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

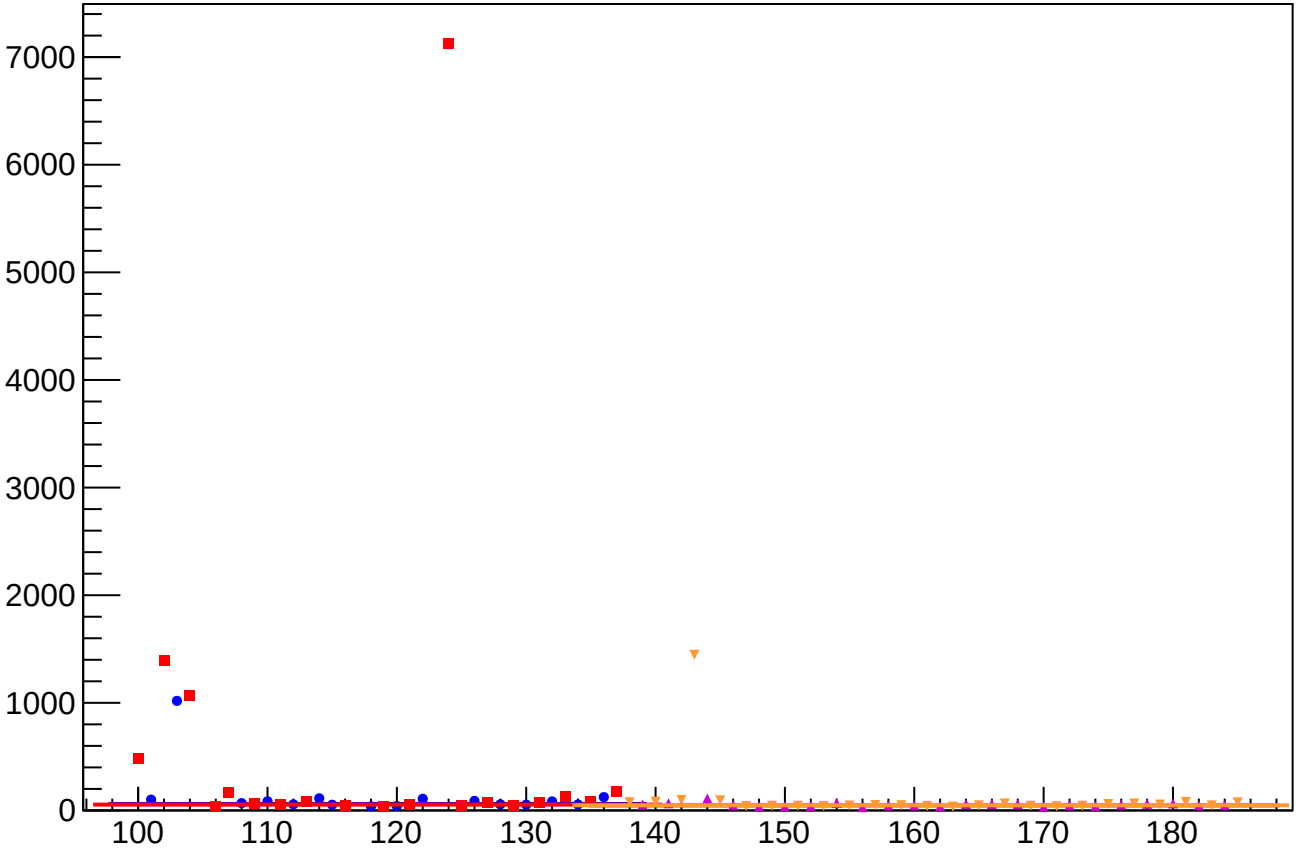
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/40

All: 0.014+/-0.008 χ^2/NDF: 79.2/82

- 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: 47.902+/-0.009 χ^2/NDF:3496571.8/24

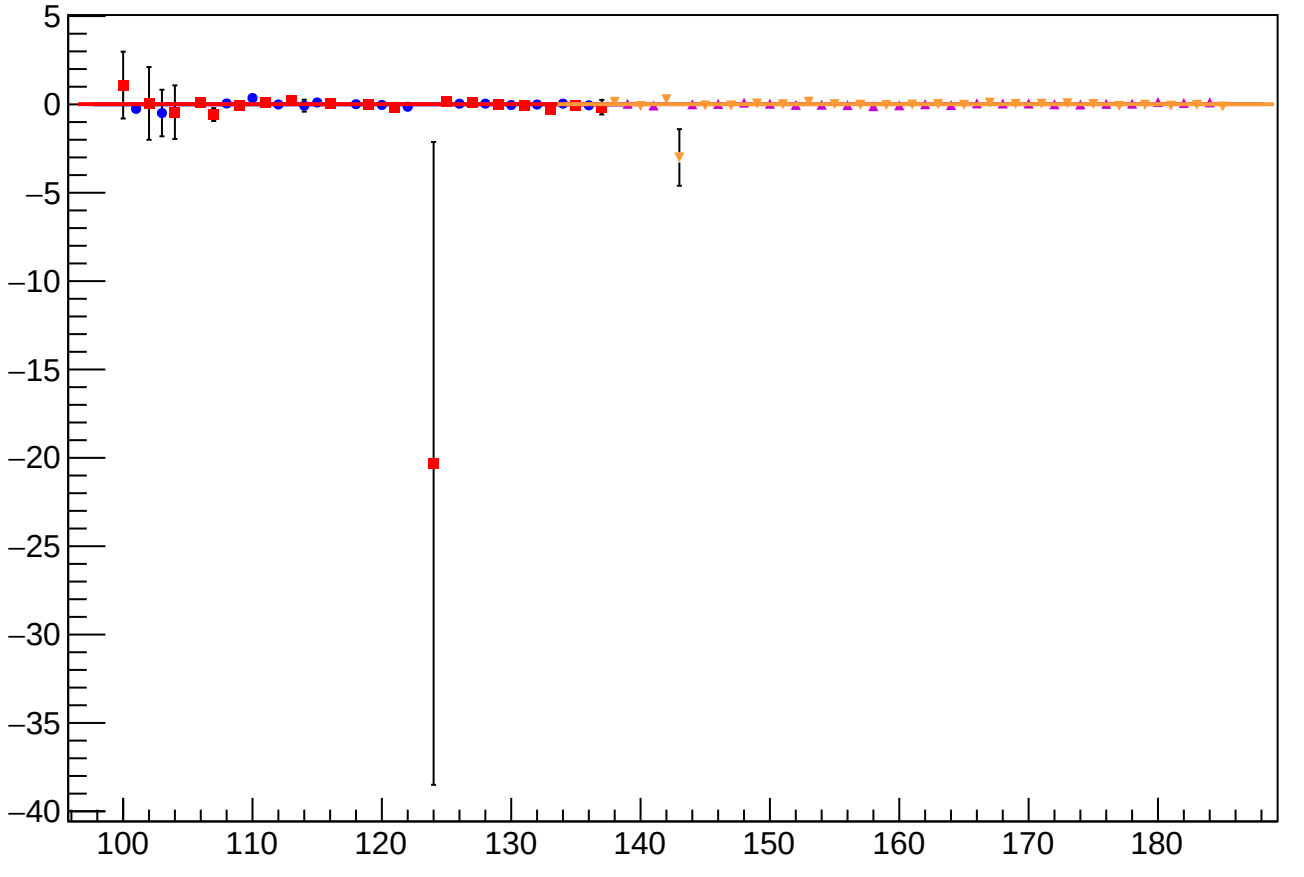
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.029+/-0.008 χ^2/NDF: 6363580.9/40

All: 49.076+/-0.006 χ^2/NDF: 11999122.0/82

- 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: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

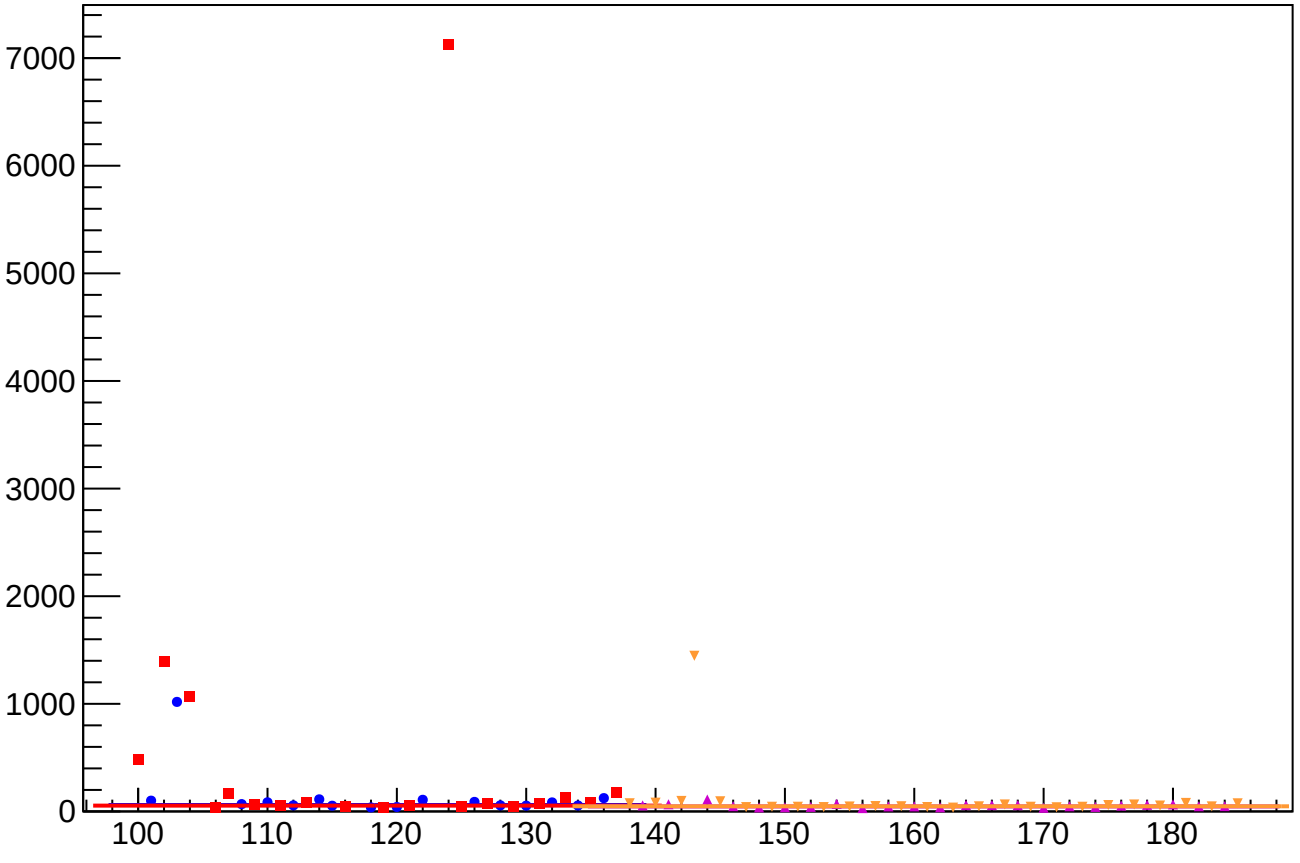
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/40

All: 0.014+/-0.008 χ^2/NDF: 79.2/82

- sign 0.017+/-0.011 χ^2/NDF: 37.9/41

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

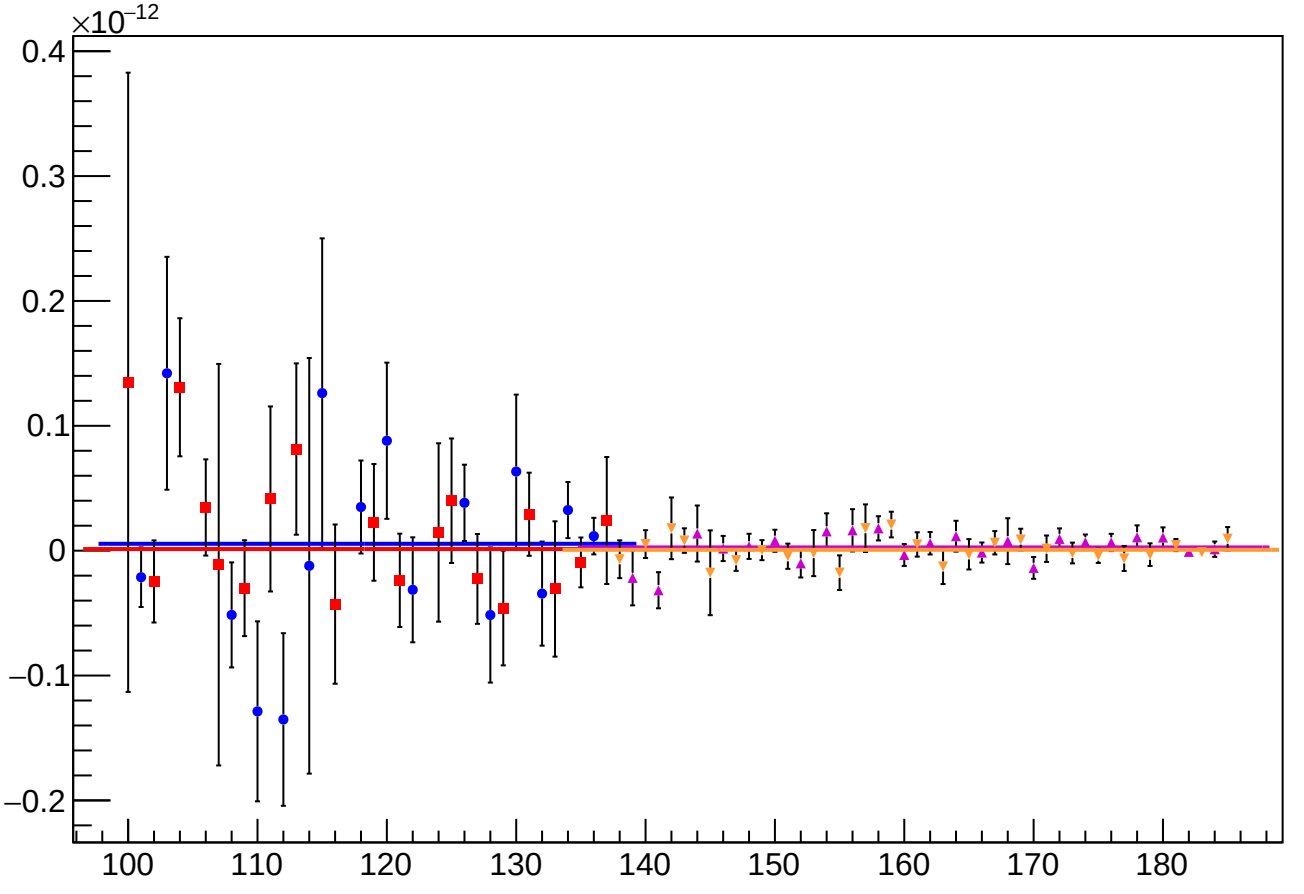
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.029+/-0.008 χ^2/NDF: 6363580.9/40

All: 49.076+/-0.006 χ^2/NDF: 11999122.0/82

- 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:15.1/24

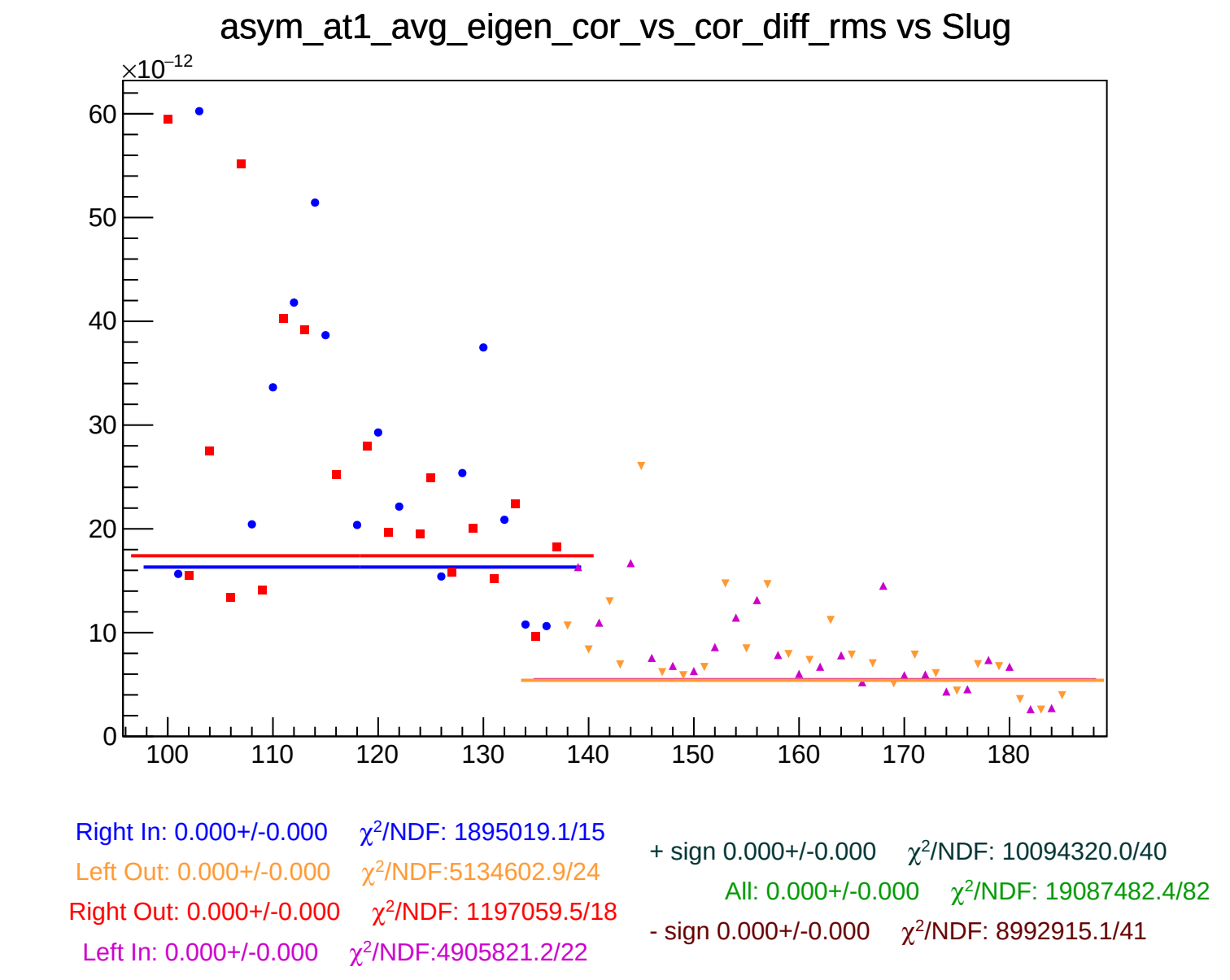
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

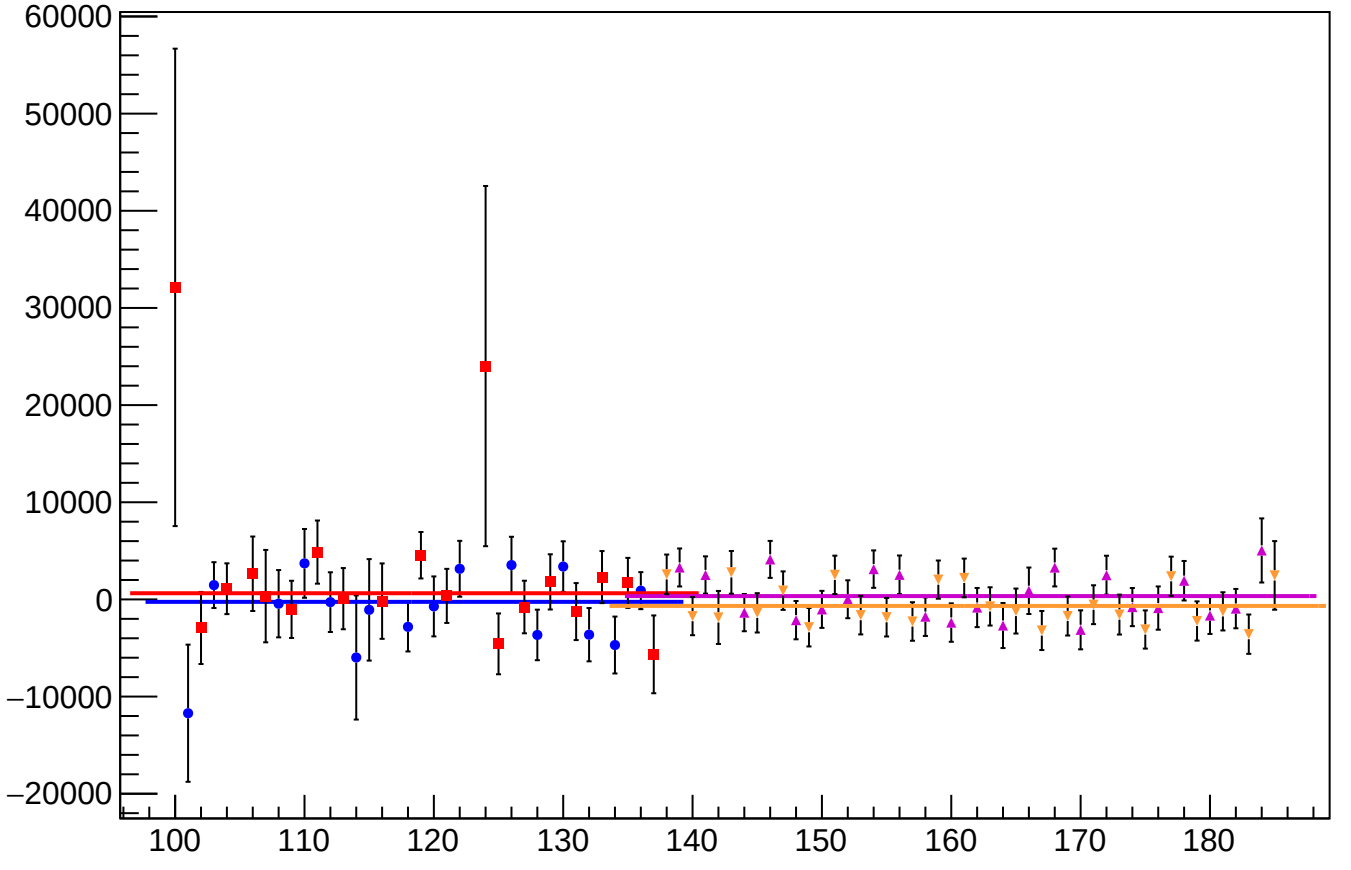
+ sign 0.000+/-0.000 χ^2/NDF: 38.0/40

All: 0.000+/-0.000 χ^2/NDF: 74.6/82

- 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:5134602.9/24
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: 10094320.0/40
All: 0.000+/-0.000 χ²/NDF: 19087482.4/82
- 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: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

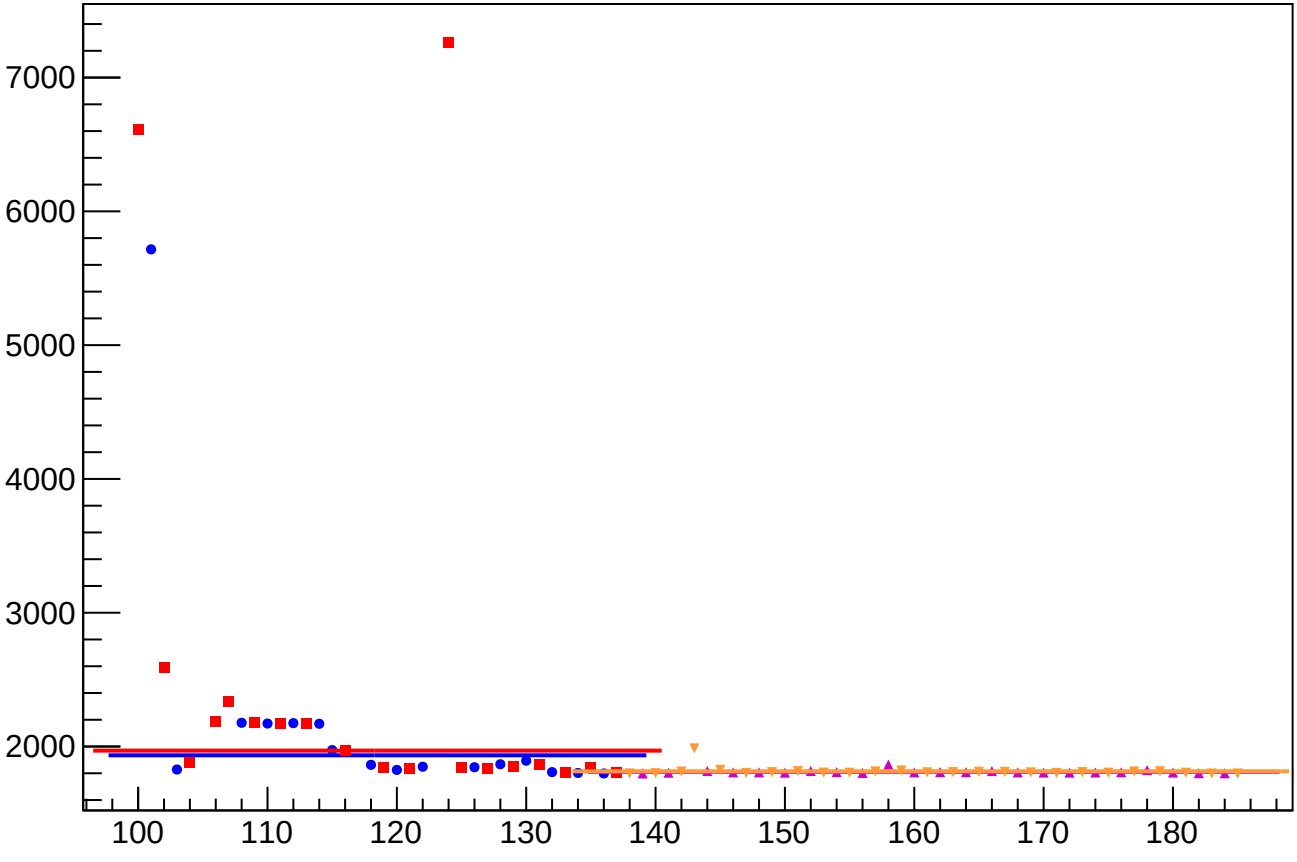
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -569.872+/-359.539 χ^2/NDF: 42.2/40

All: -86.508+/-256.655 χ^2/NDF: 92.0/82

- 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: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

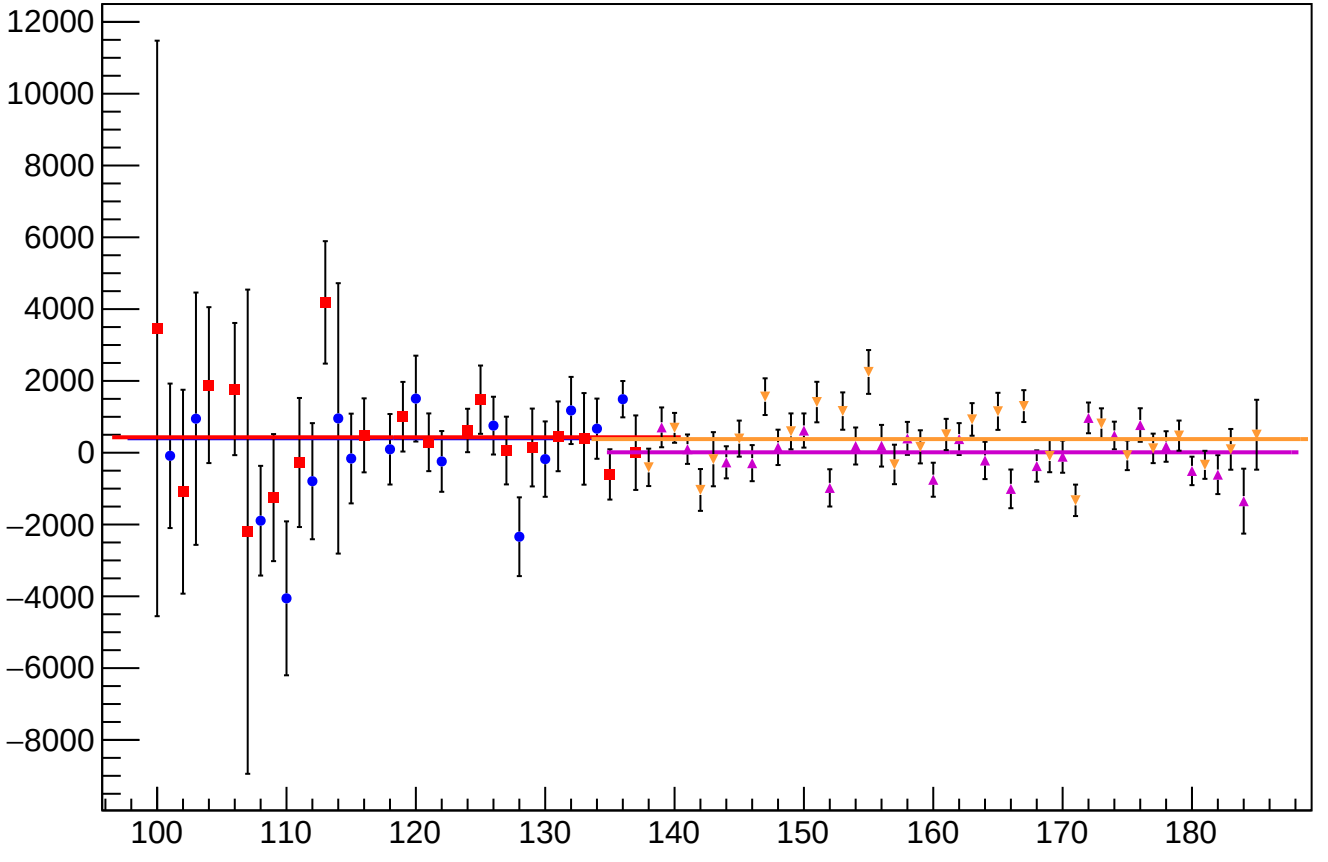
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1843.088+/-0.254 χ^2/NDF: 693421.0/40

All: 1846.417+/-0.181 χ^2/NDF: 1144156.0/82

- 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: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

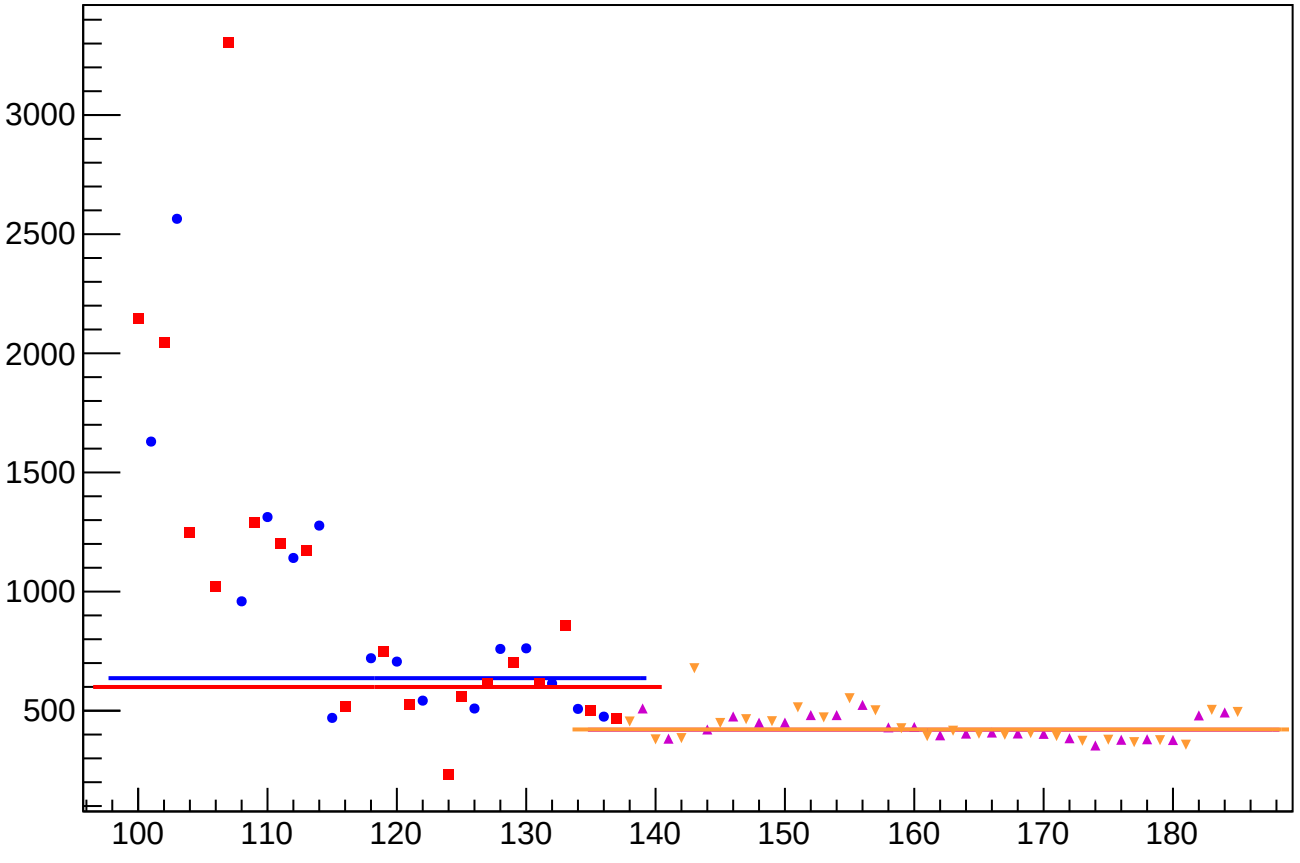
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 382.225+/-90.831 χ^2/NDF: 83.5/40

All: 226.984+/-64.694 χ^2/NDF: 134.6/82

- 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: 421.417+/-0.069 χ^2/NDF:743048.1/24

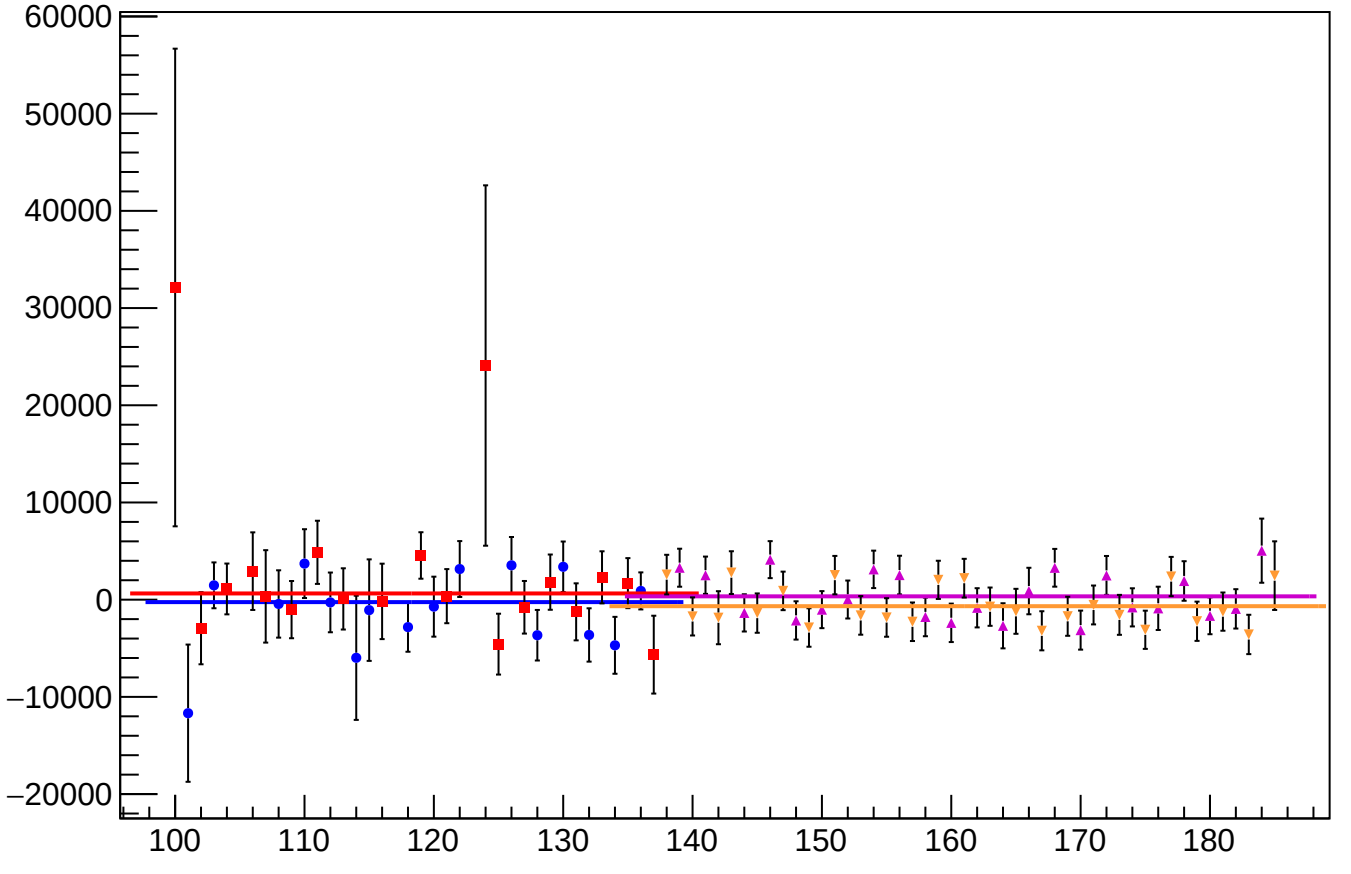
Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 447.981+/-0.064 χ^2/NDF: 4025244.2/40

All: 446.051+/-0.046 χ^2/NDF: 8257592.6/82

- sign 444.064+/-0.065 χ^2/NDF: 4230515.8/41



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

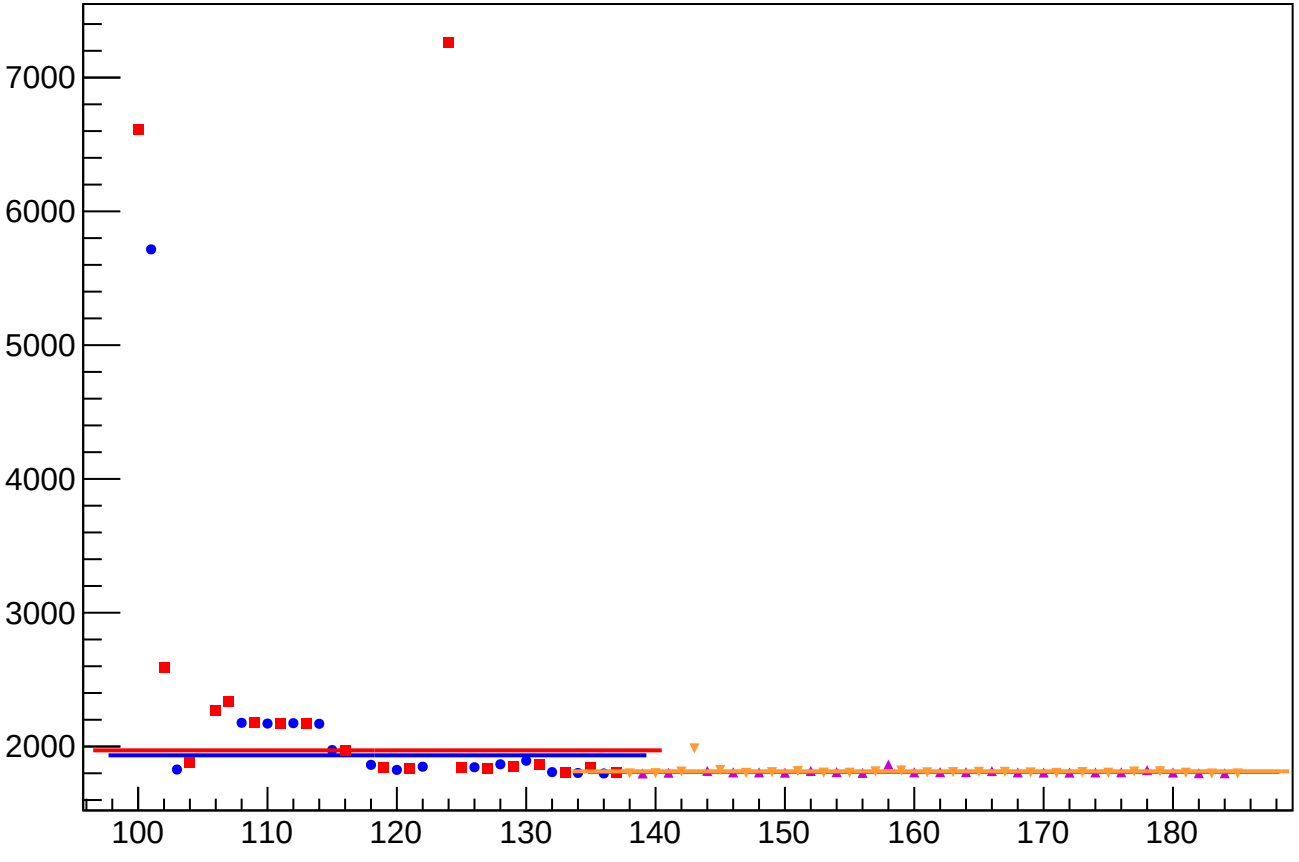
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -569.671+/-359.539 χ^2/NDF: 42.2/40

All: -86.064+/-256.701 χ^2/NDF: 92.1/82

- 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: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

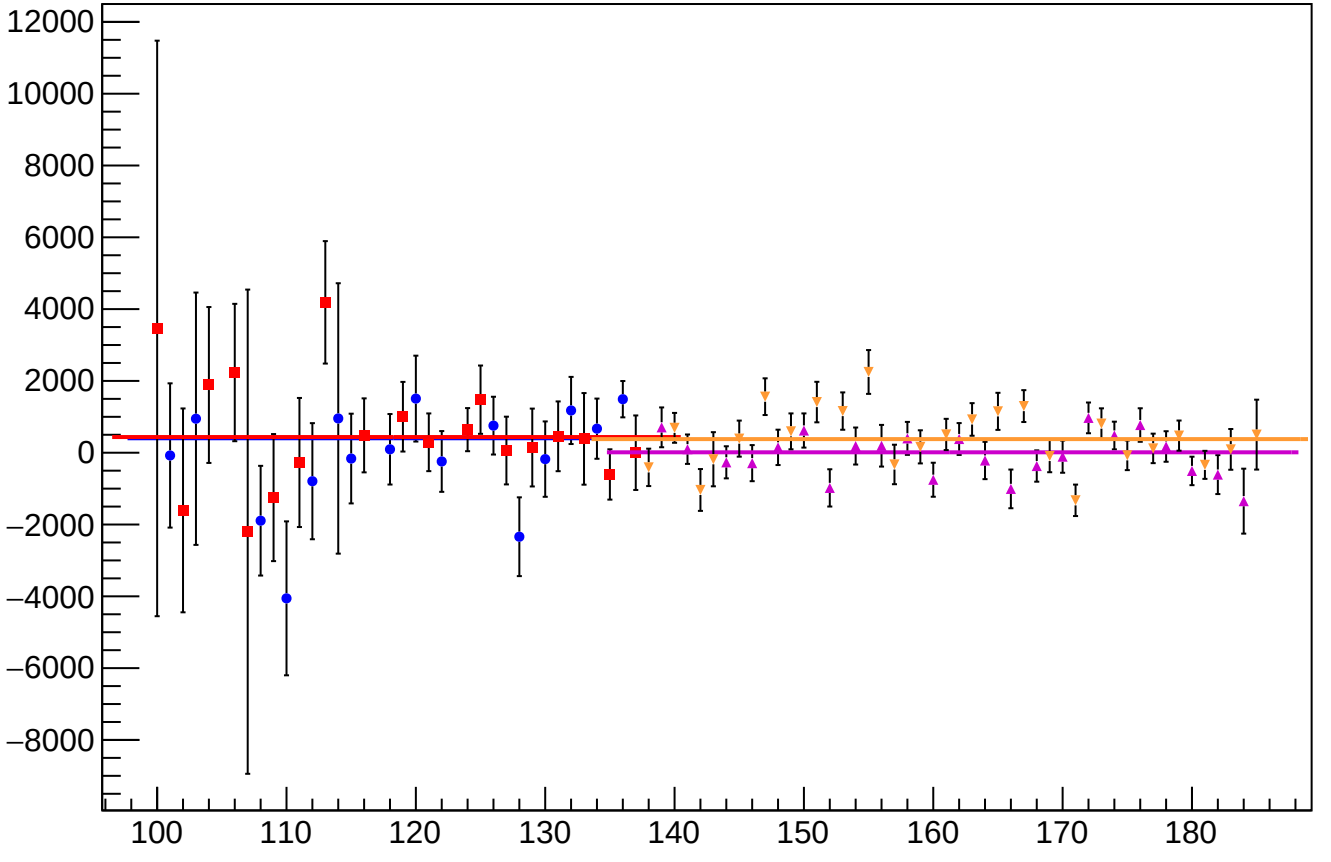
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1843.088+/-0.254 χ^2/NDF: 693420.9/40

All: 1846.635+/-0.182 χ^2/NDF: 1150756.1/82

- 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: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

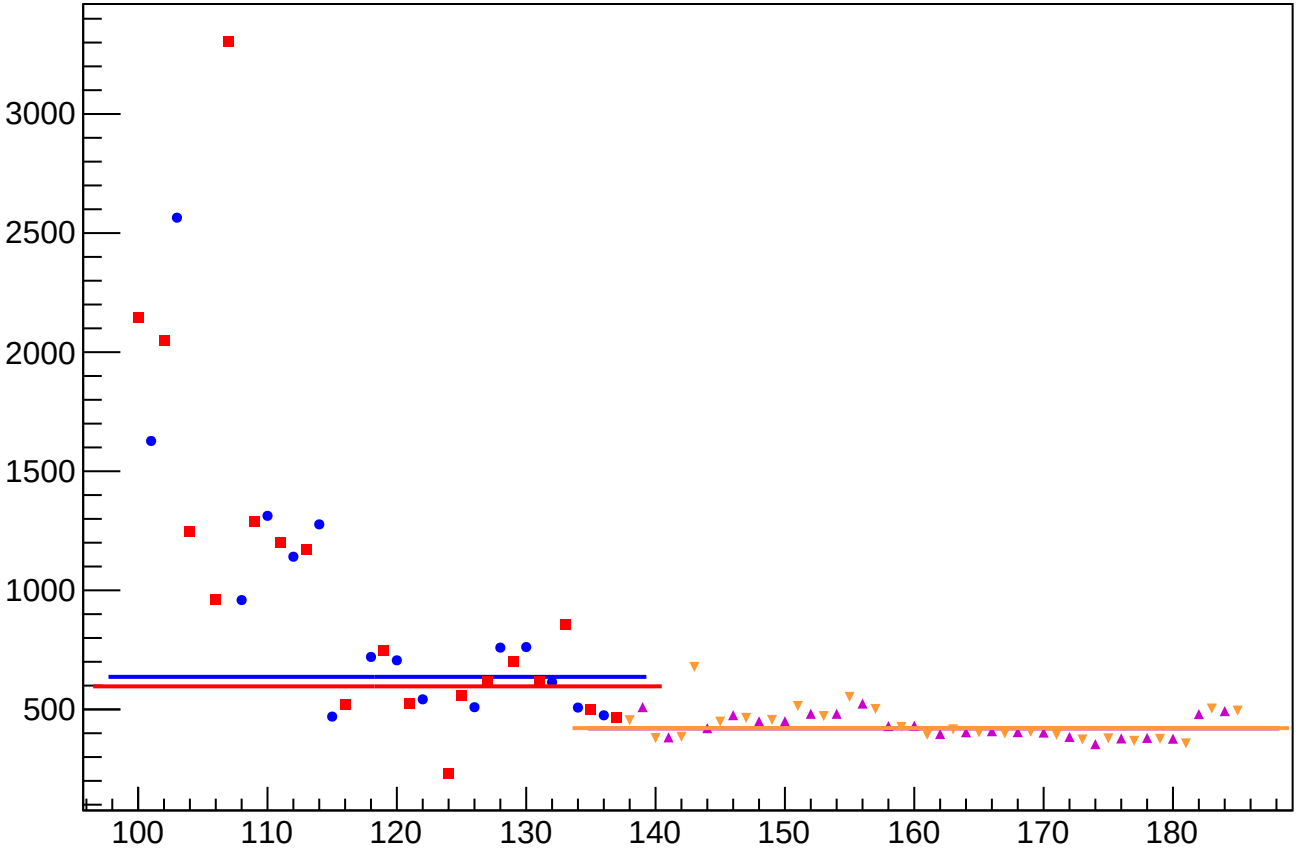
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 382.226+/-90.831 χ^2/NDF: 83.5/40

All: 227.438+/-64.691 χ^2/NDF: 135.3/82

- 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: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

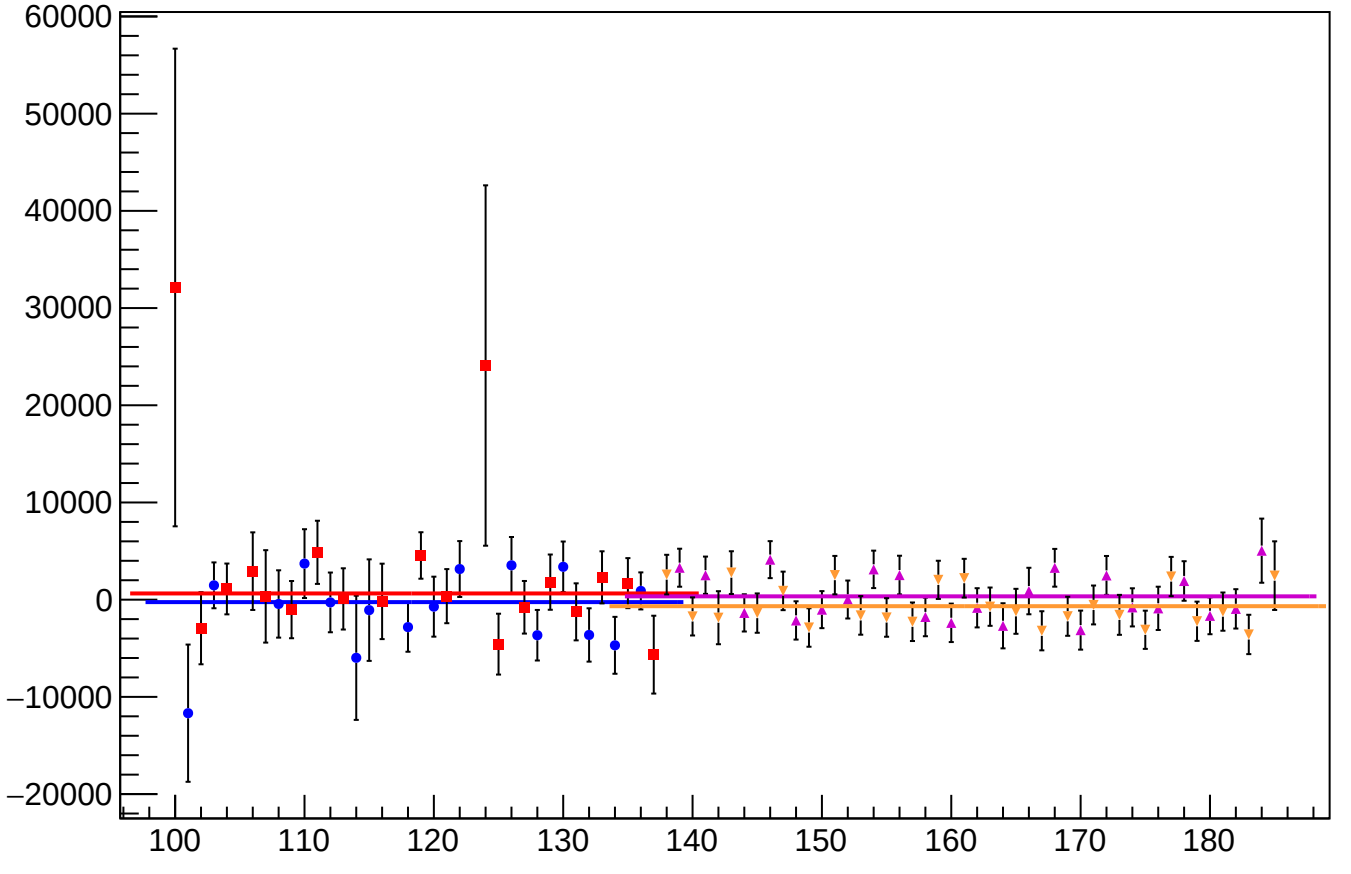
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 447.986+/-0.064 χ^2/NDF: 4024342.3/40

All: 445.882+/-0.046 χ^2/NDF: 8217587.4/82

- 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: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

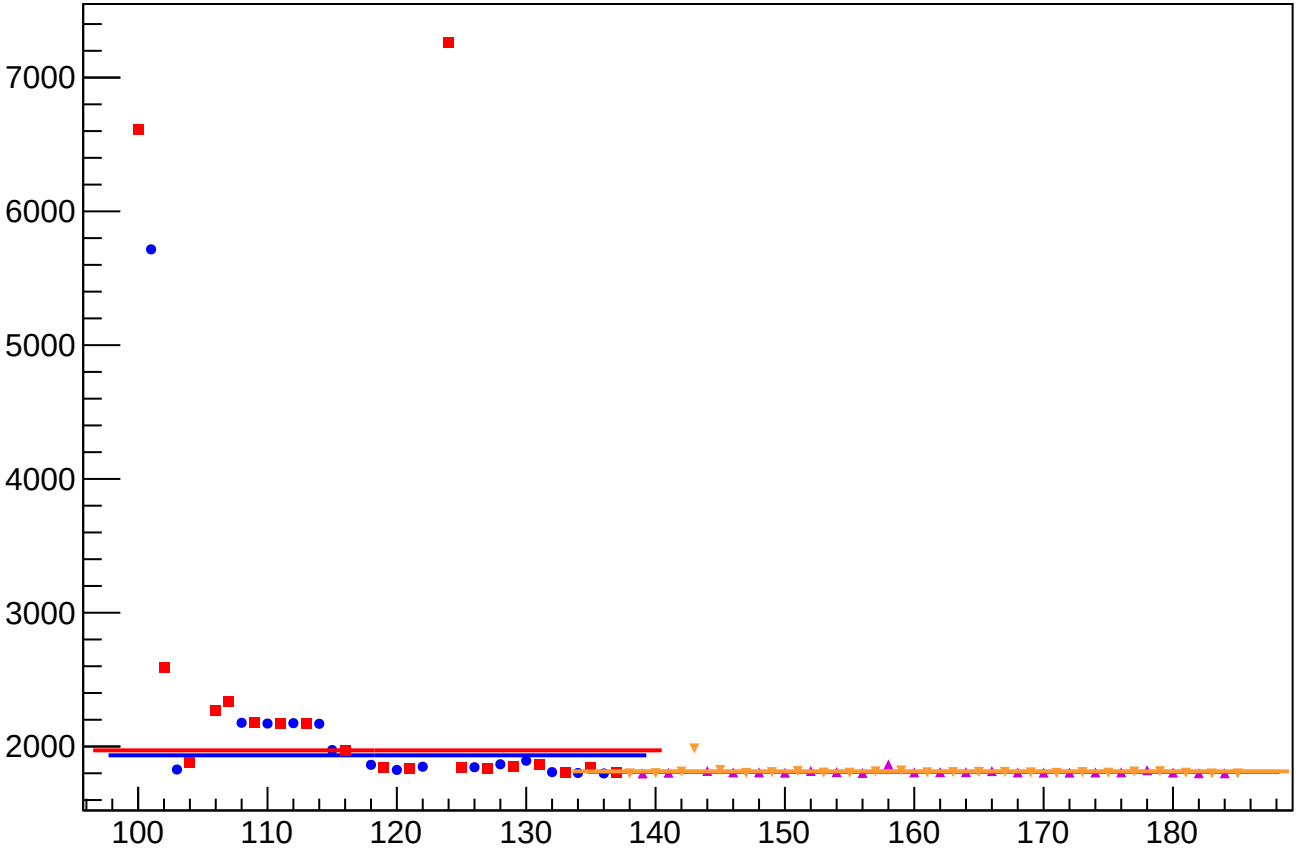
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -569.671+/-359.539 χ^2/NDF: 42.2/40

All: -86.064+/-256.701 χ^2/NDF: 92.1/82

- 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: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

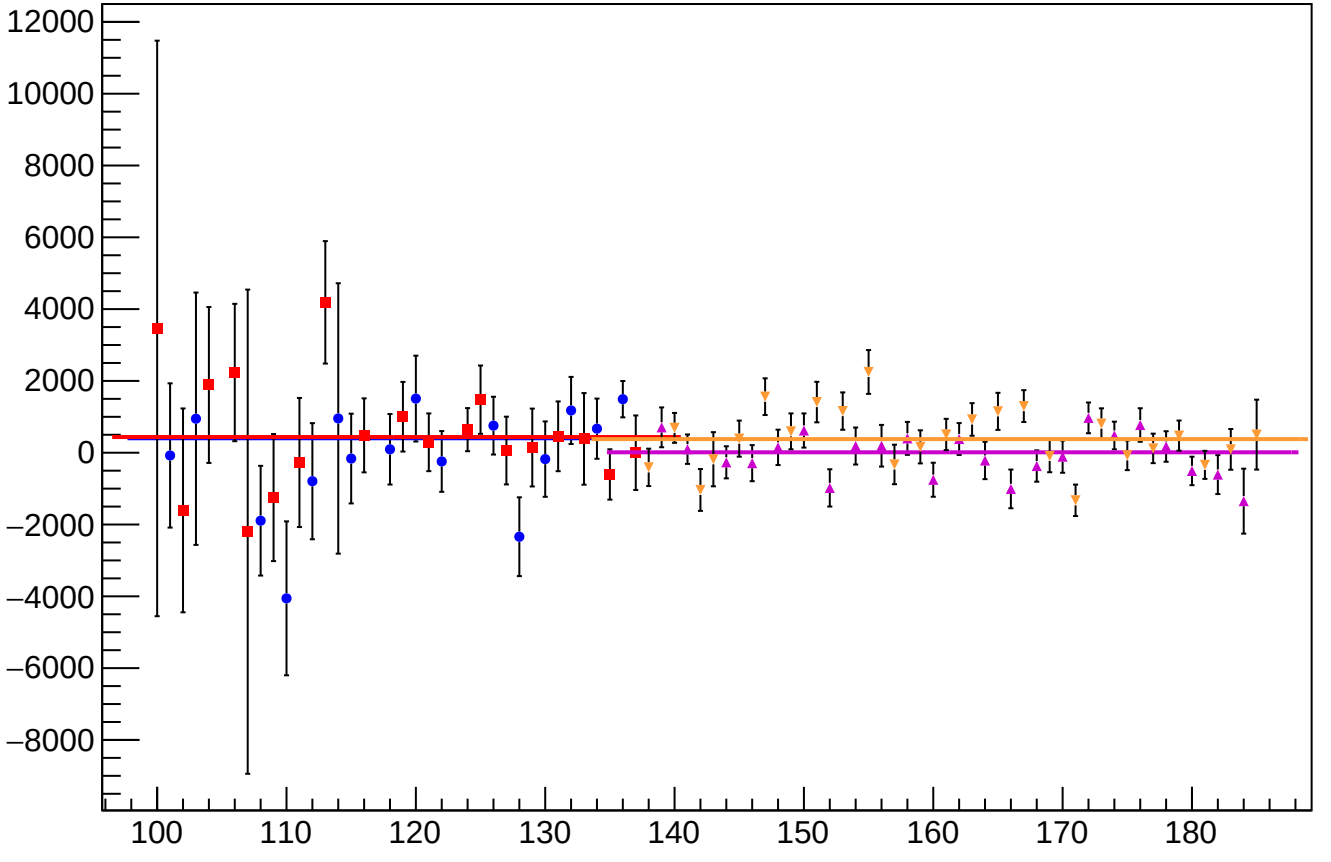
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1843.088+/-0.254 χ^2/NDF: 693420.9/40

All: 1846.635+/-0.182 χ^2/NDF: 1150756.1/82

- 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: 379.343+/-97.014 χ^2/NDF:62.3/24

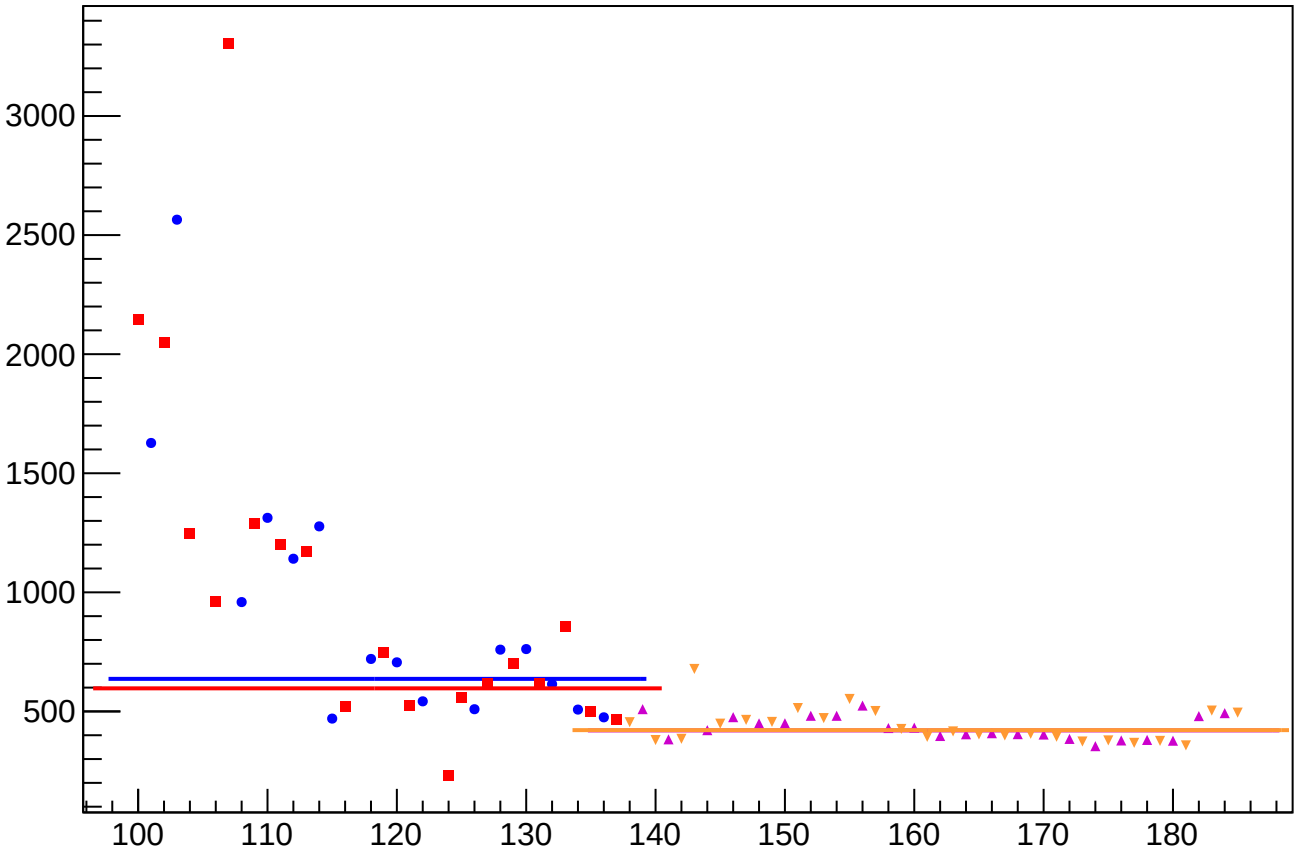
Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 382.226+/-90.831 χ^2/NDF: 83.5/40

All: 227.438+/-64.691 χ^2/NDF: 135.3/82

- sign 68.096+/-92.157 χ^2/NDF: 45.9/41



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

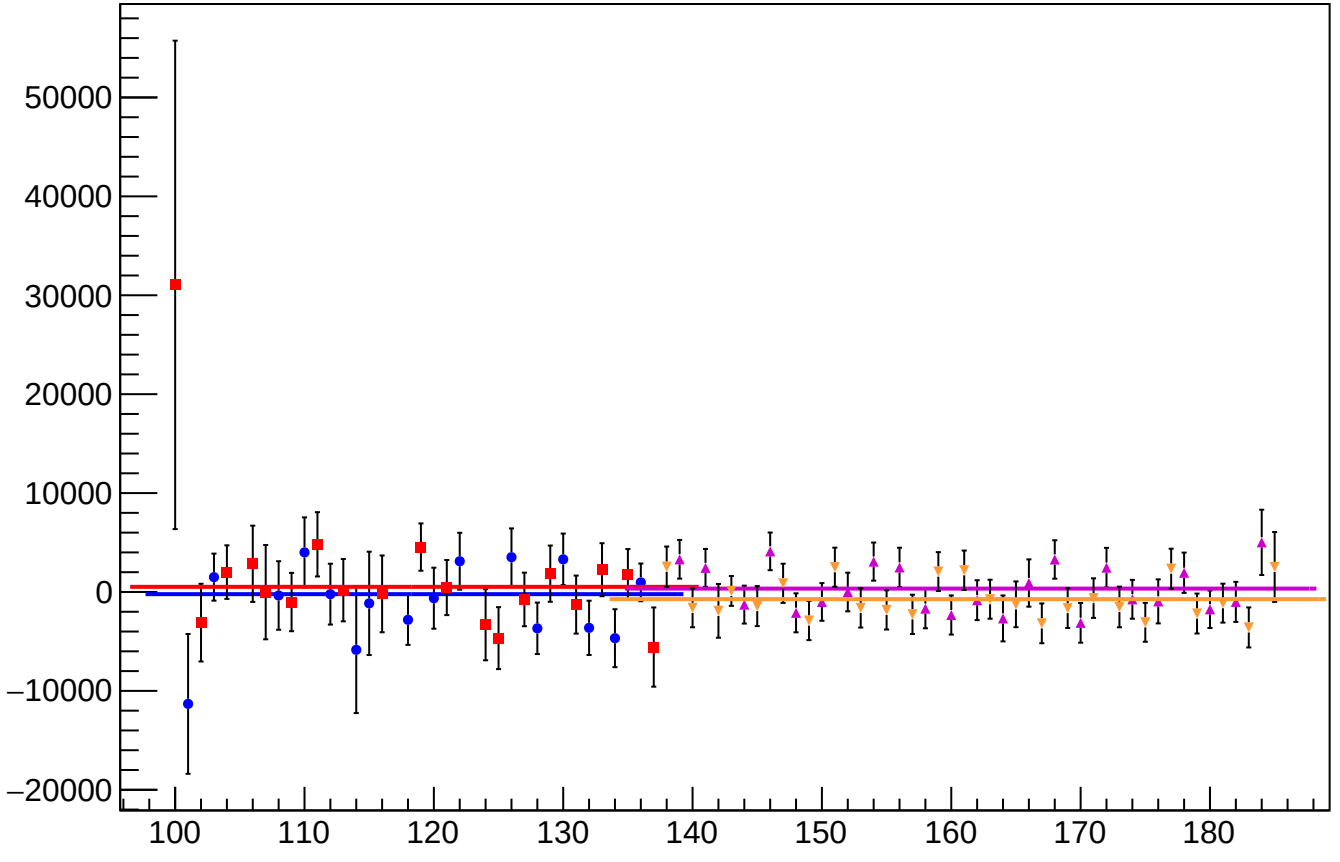
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 447.986+/-0.064 χ^2/NDF: 4024342.3/40

All: 445.882+/-0.046 χ^2/NDF: 8217587.4/82

- 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: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

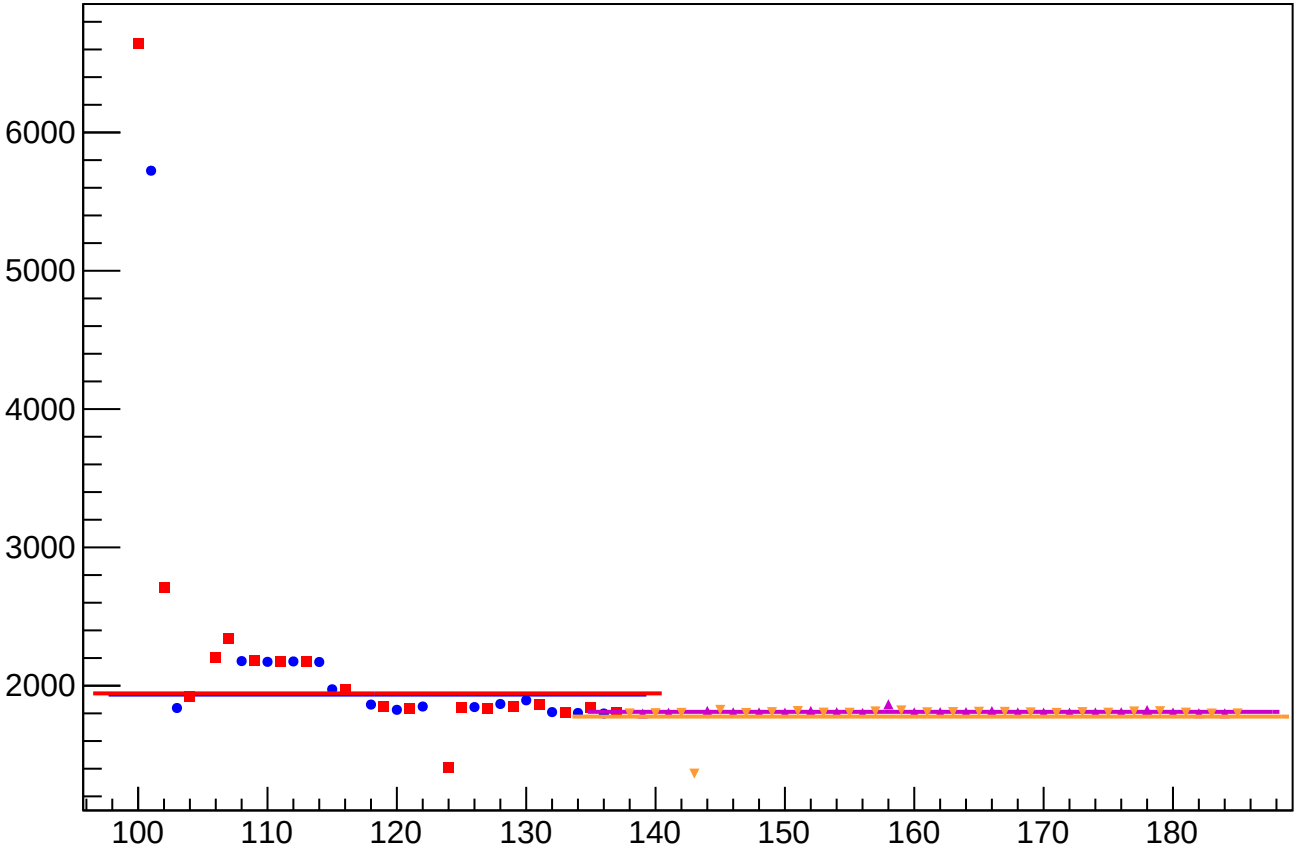
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -607.587+/-354.422 χ^2/NDF: 39.7/40

All: -125.435+/-254.362 χ^2/NDF: 88.8/82

- 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: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

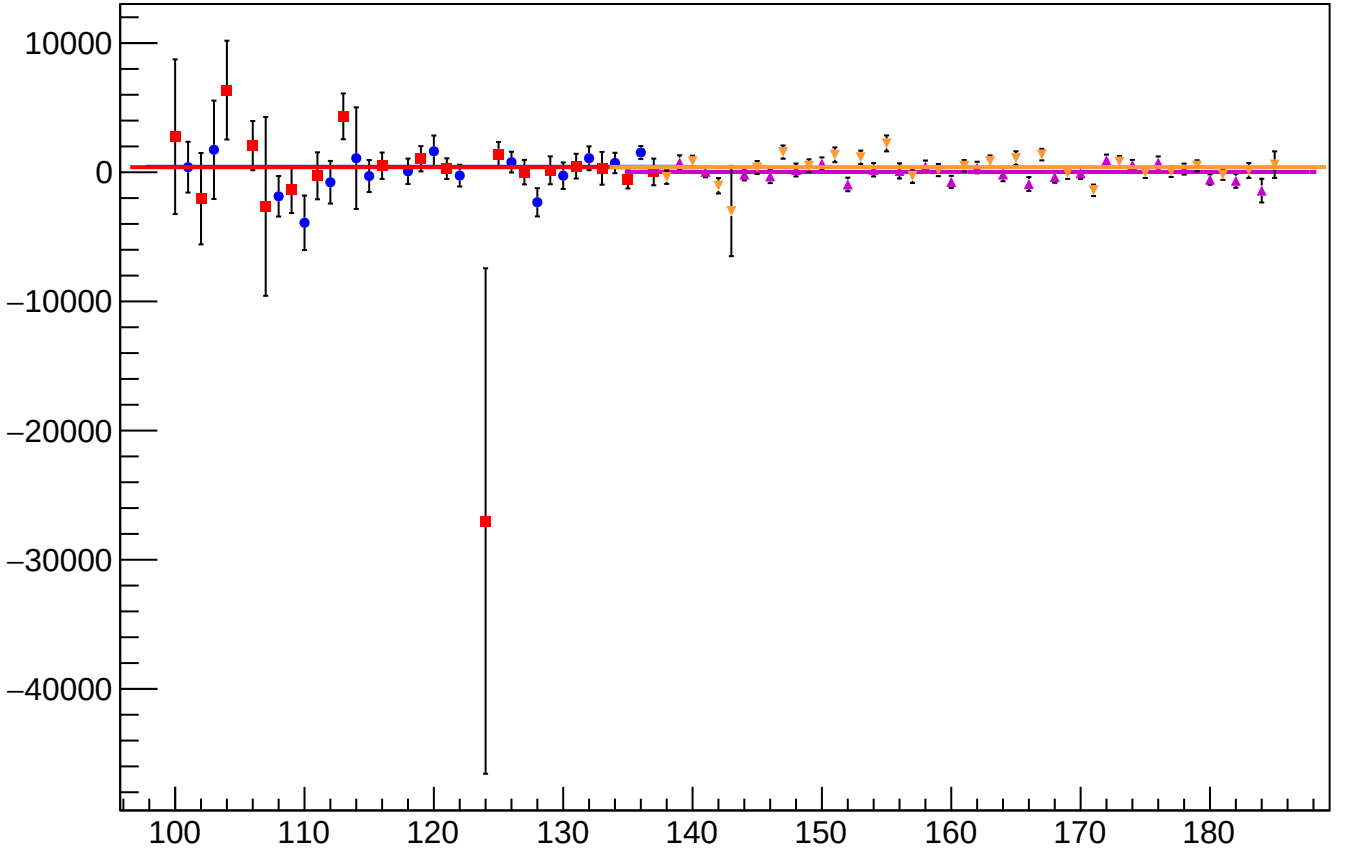
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.662+/-0.251 χ^2/NDF: 873041.8/40

All: 1828.834+/-0.180 χ^2/NDF: 1209323.8/82

- 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: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

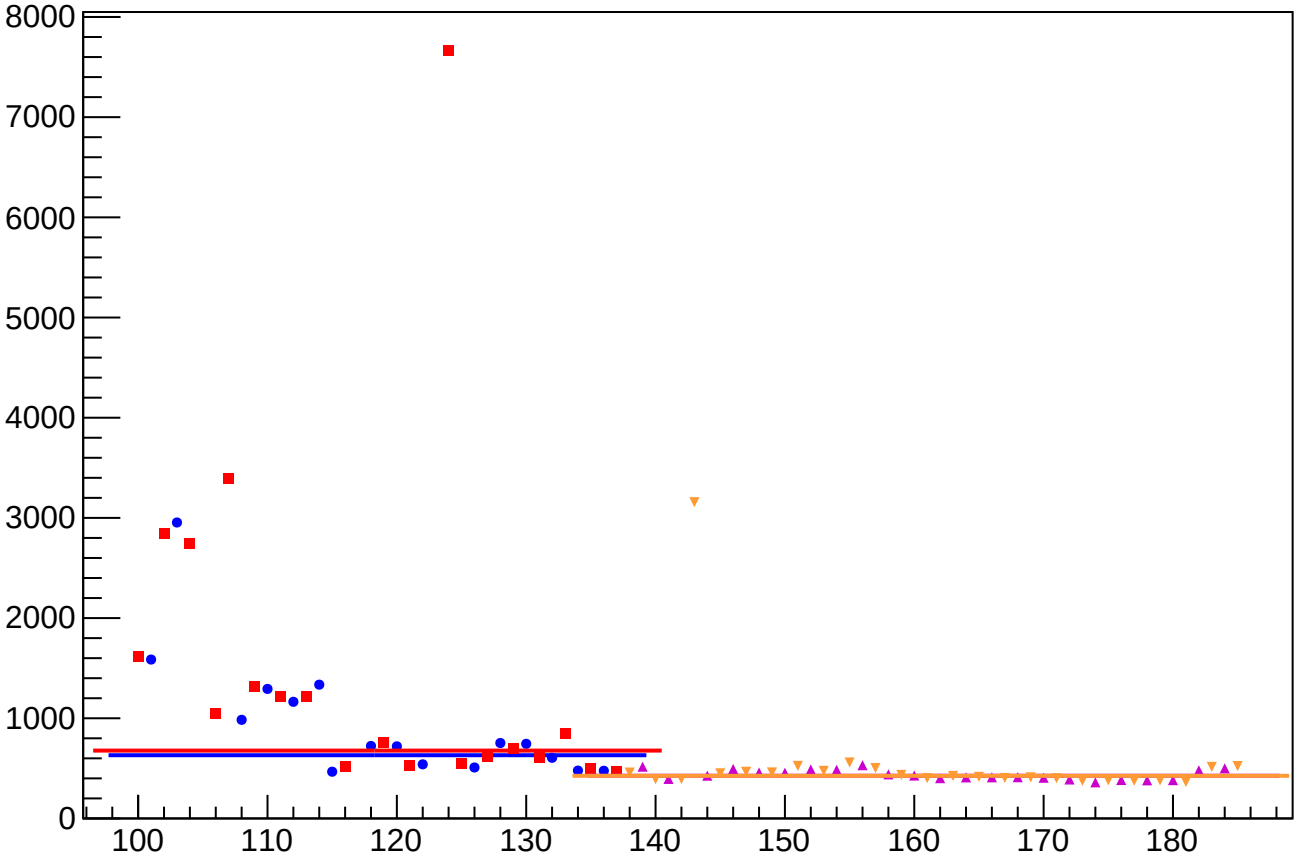
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 401.238+/-92.505 χ^2/NDF: 82.0/40

All: 235.933+/-66.063 χ^2/NDF: 136.8/82

- 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: 425.697+/-0.070 χ^2/NDF:1718145.2/24

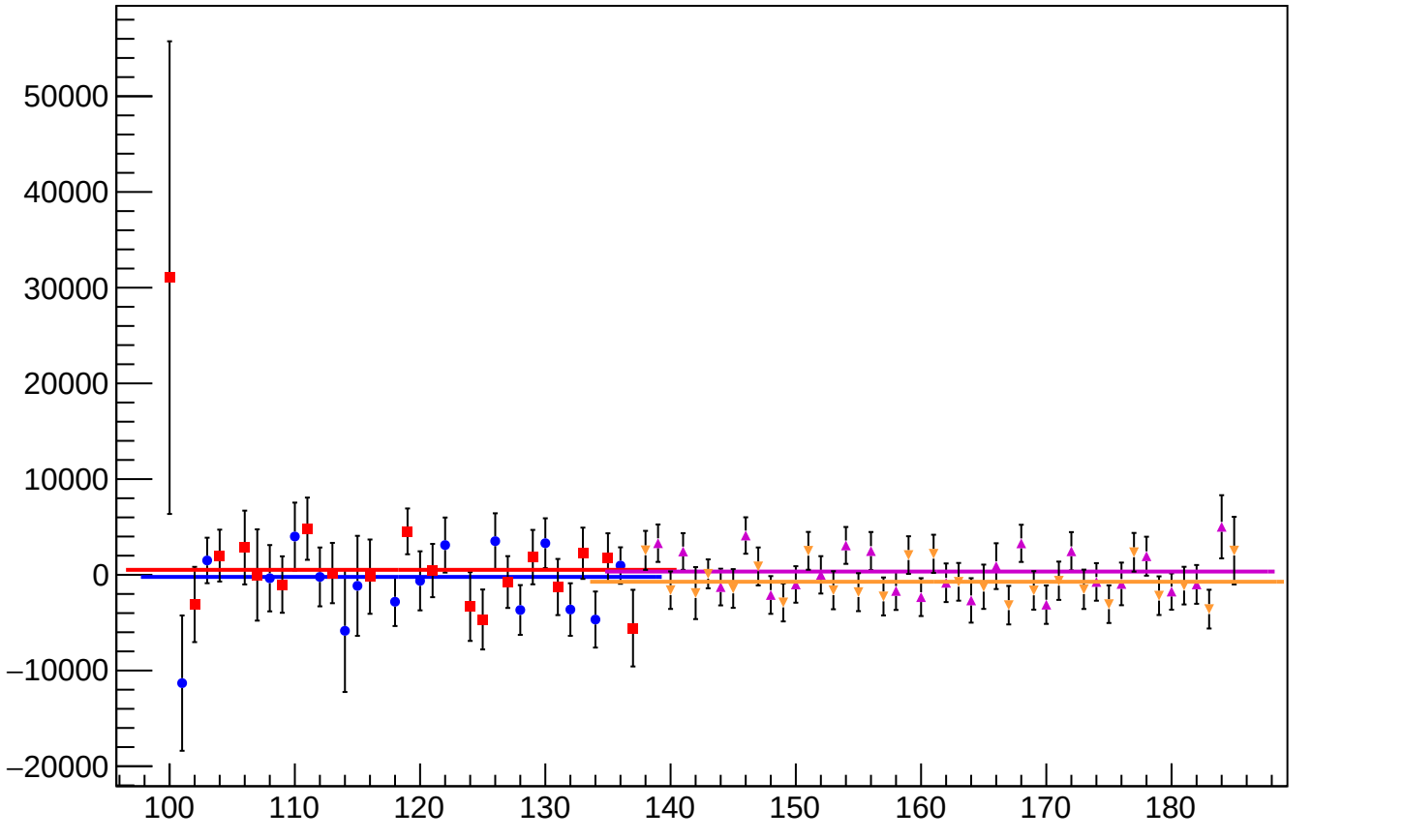
Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 452.365+/-0.065 χ^2/NDF: 5066940.1/40

All: 453.550+/-0.047 χ^2/NDF: 9996395.9/82

- sign 454.784+/-0.067 χ^2/NDF: 4928786.1/41



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

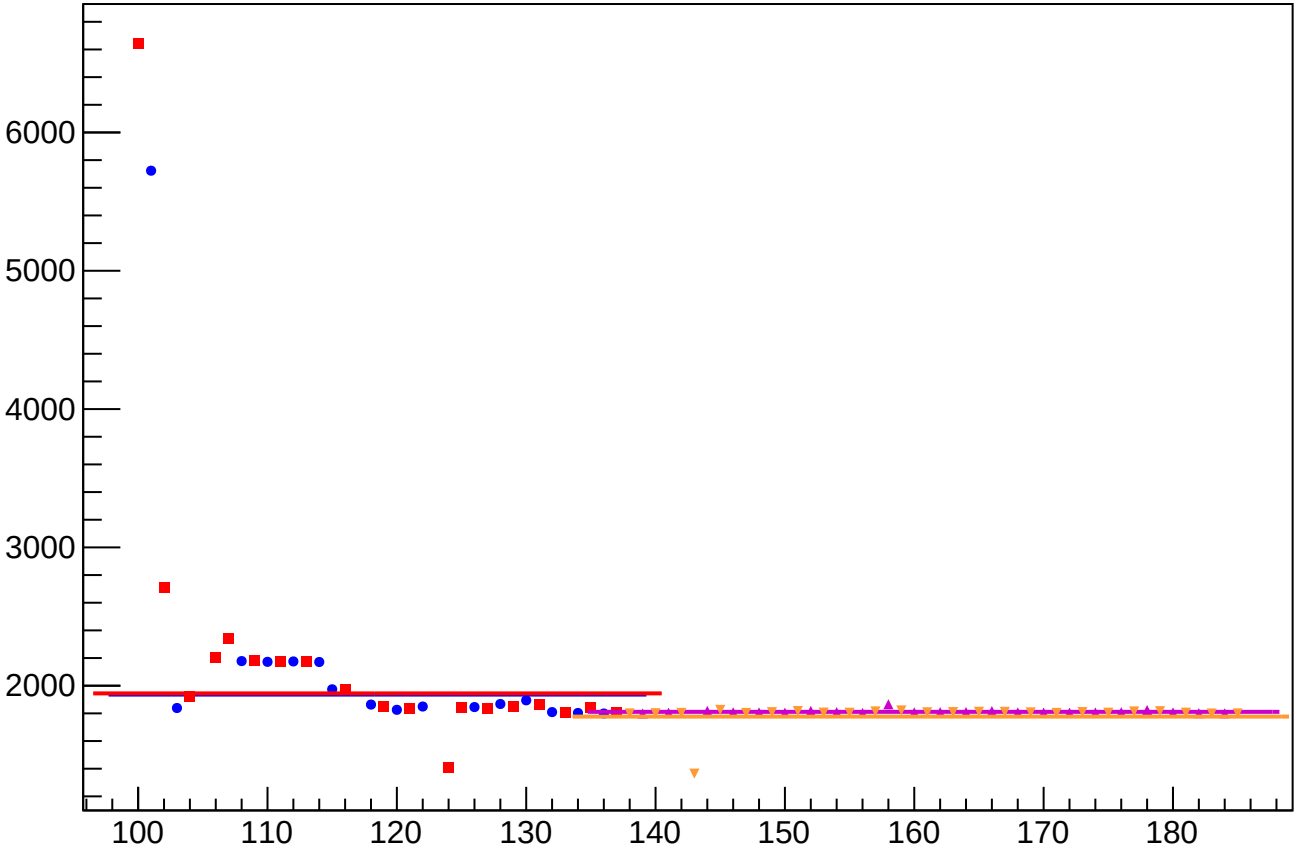
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -607.588+/-354.422 χ^2/NDF: 39.7/40

All: -125.435+/-254.362 χ^2/NDF: 88.8/82

- 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: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

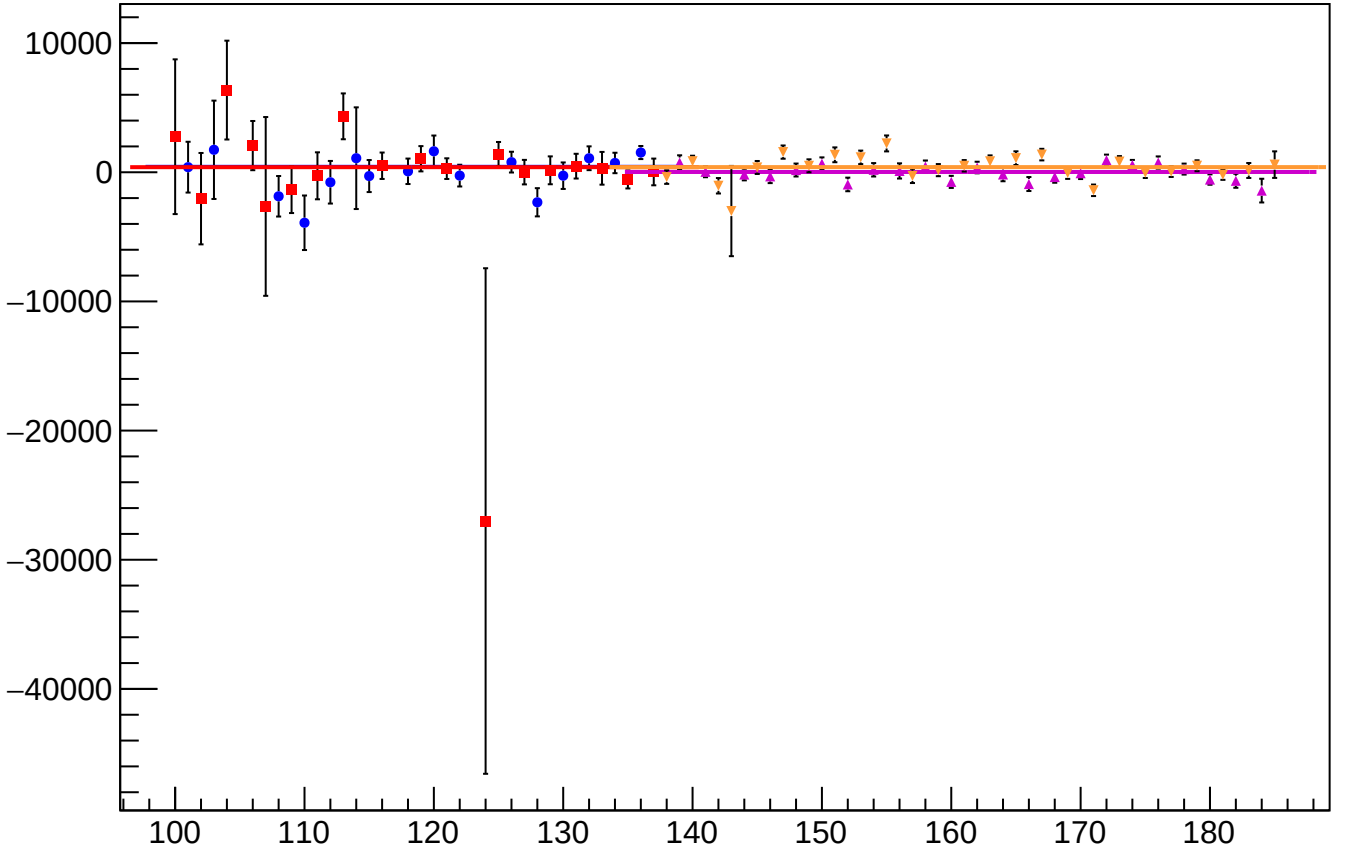
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.662+/-0.251 χ^2/NDF: 873041.8/40

All: 1828.834+/-0.180 χ^2/NDF: 1209323.5/82

- 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: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

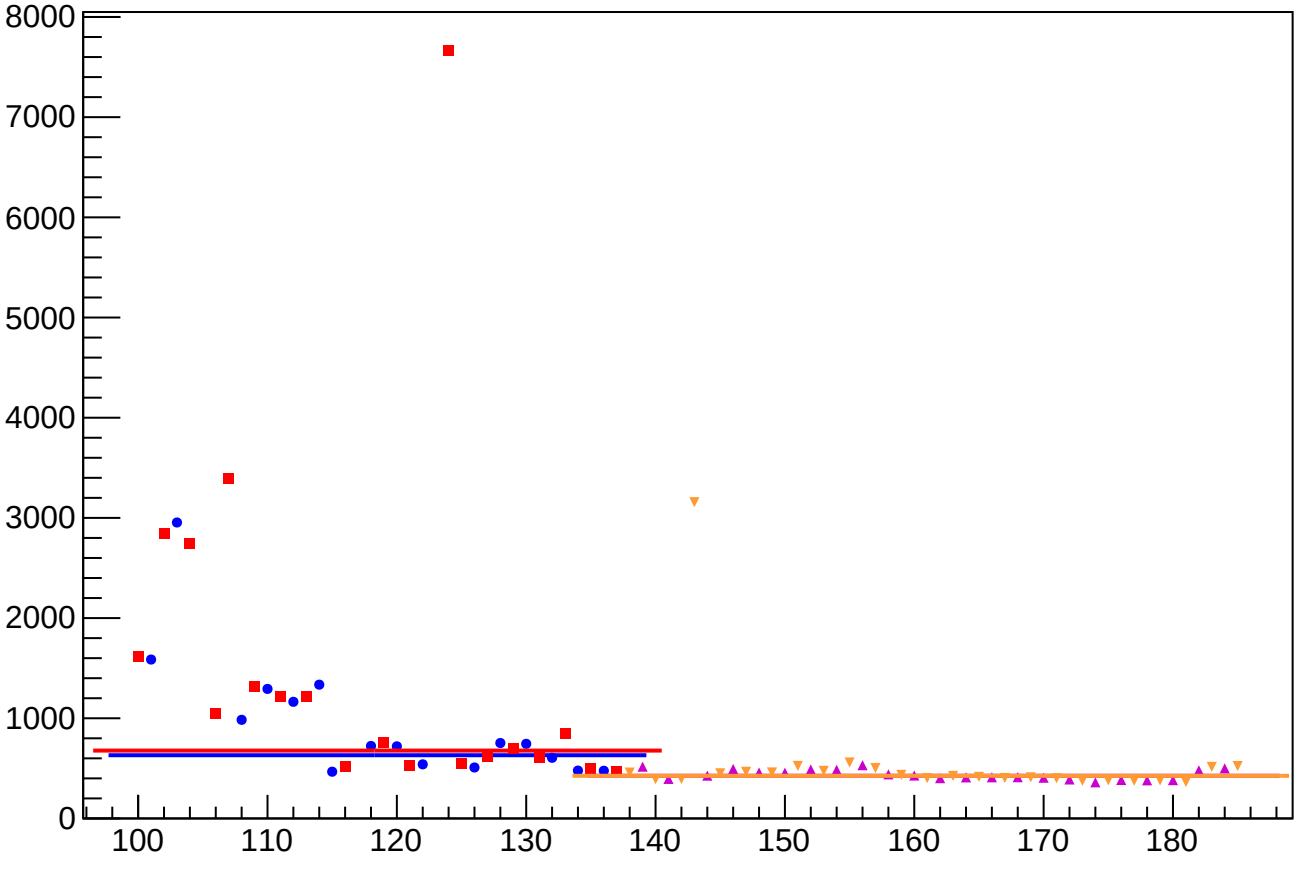
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 401.238+/-92.505 χ^2/NDF: 82.0/40

All: 235.932+/-66.063 χ^2/NDF: 136.8/82

- 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: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

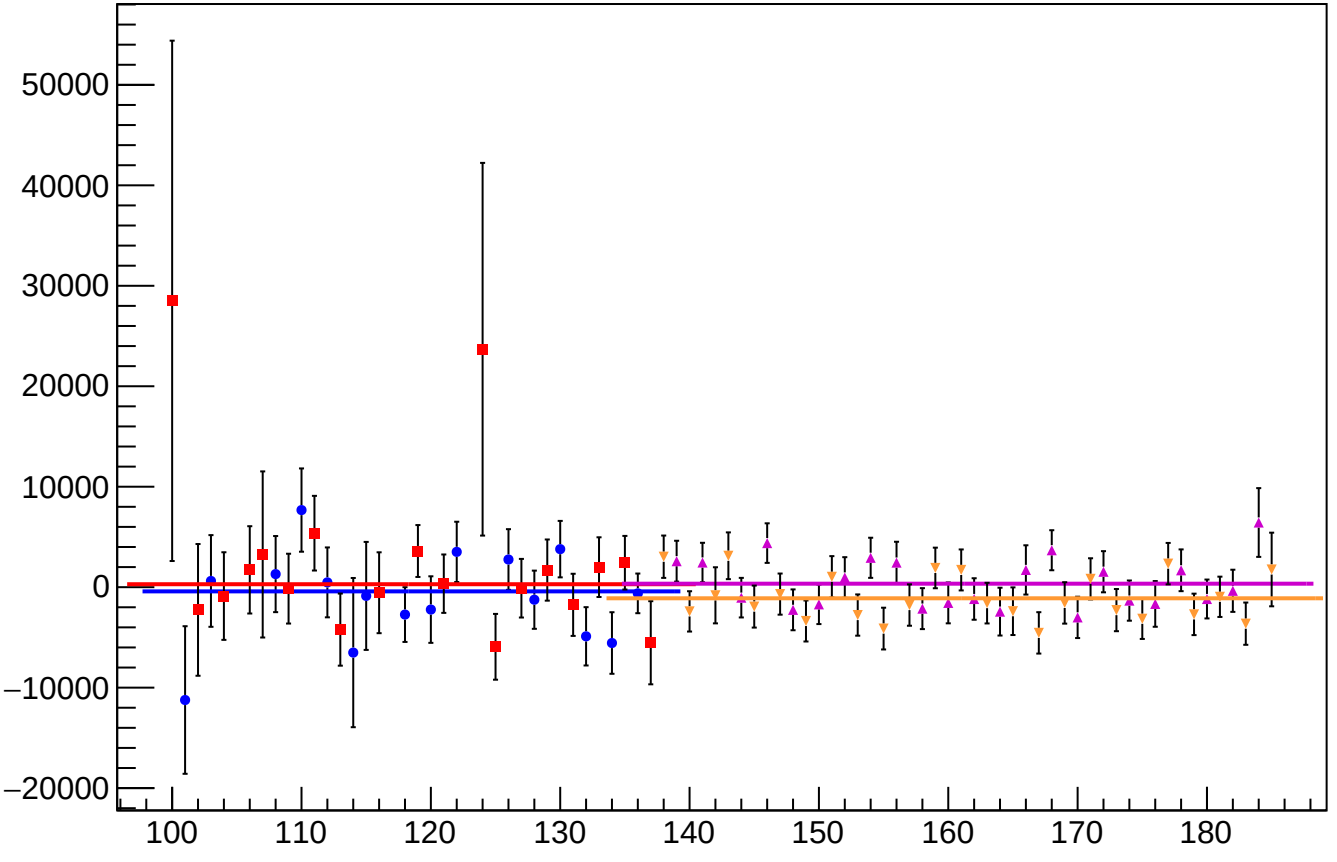
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 452.365+/-0.065 χ^2/NDF: 5066943.2/40

All: 453.550+/-0.047 χ^2/NDF: 9996403.7/82

- 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: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

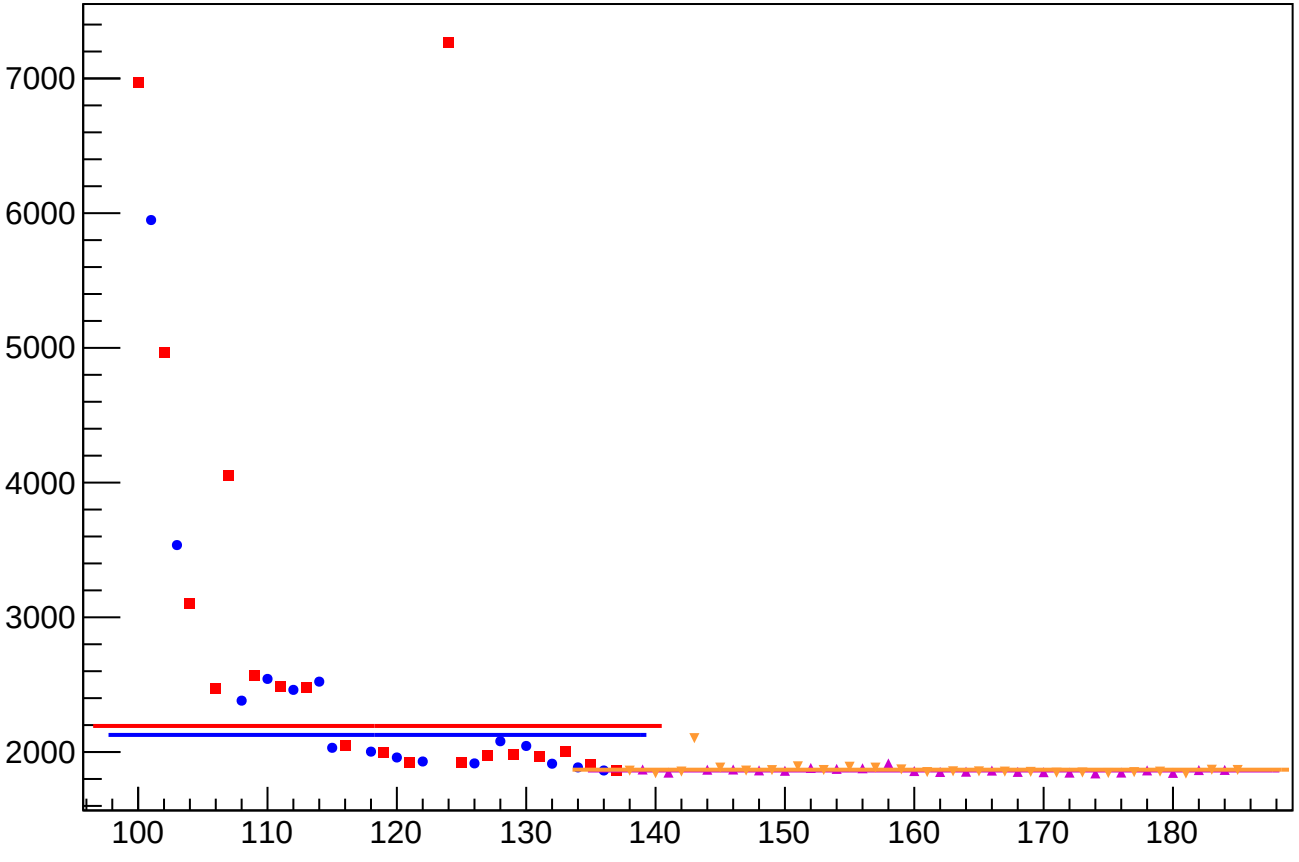
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -958.969+/-376.631 χ^2/NDF: 46.9/40

All: -326.567+/-269.370 χ^2/NDF: 97.1/82

- 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: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

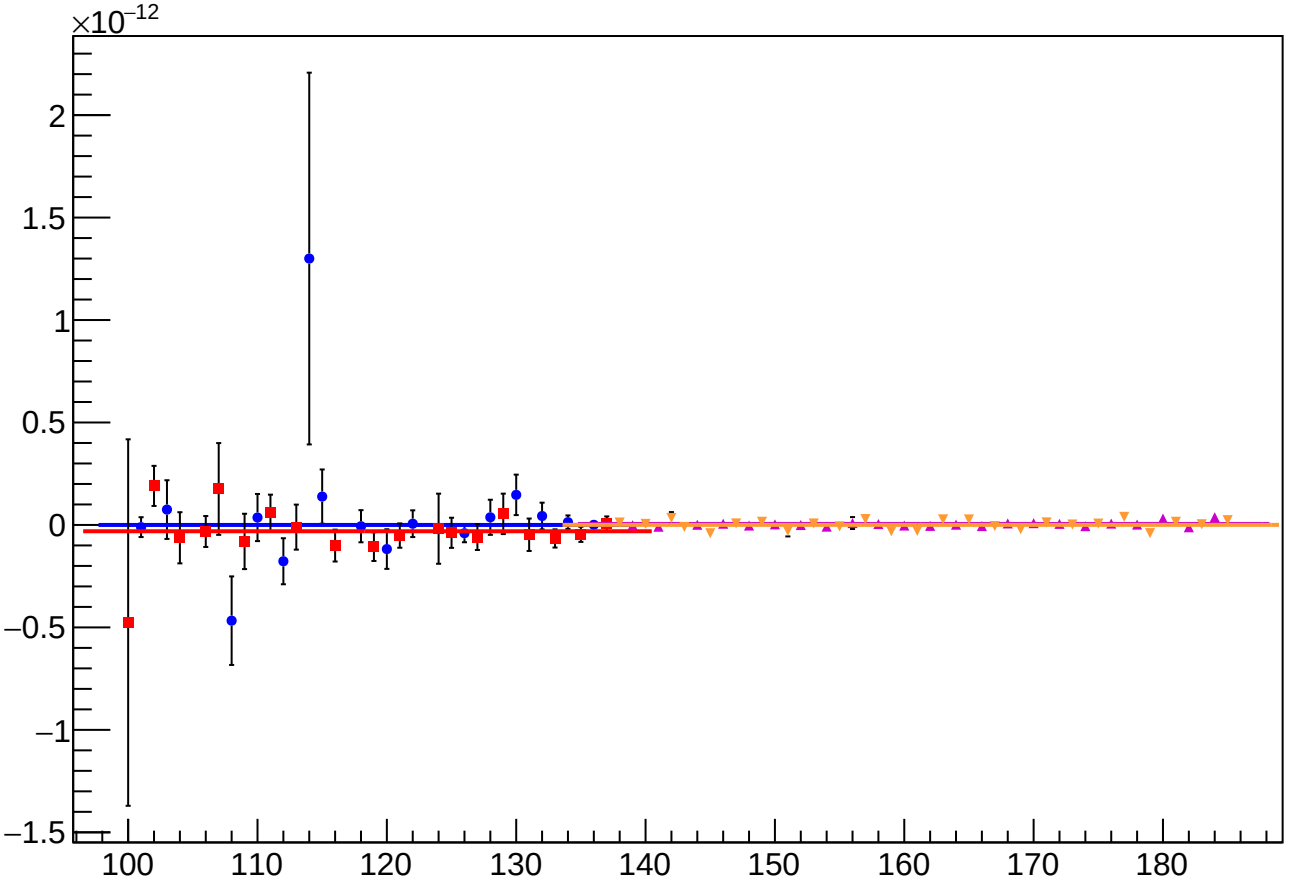
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1924.010+/-0.266 χ^2/NDF: 1056034.9/40

All: 1928.825+/-0.190 χ^2/NDF: 2250386.6/82

- 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:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

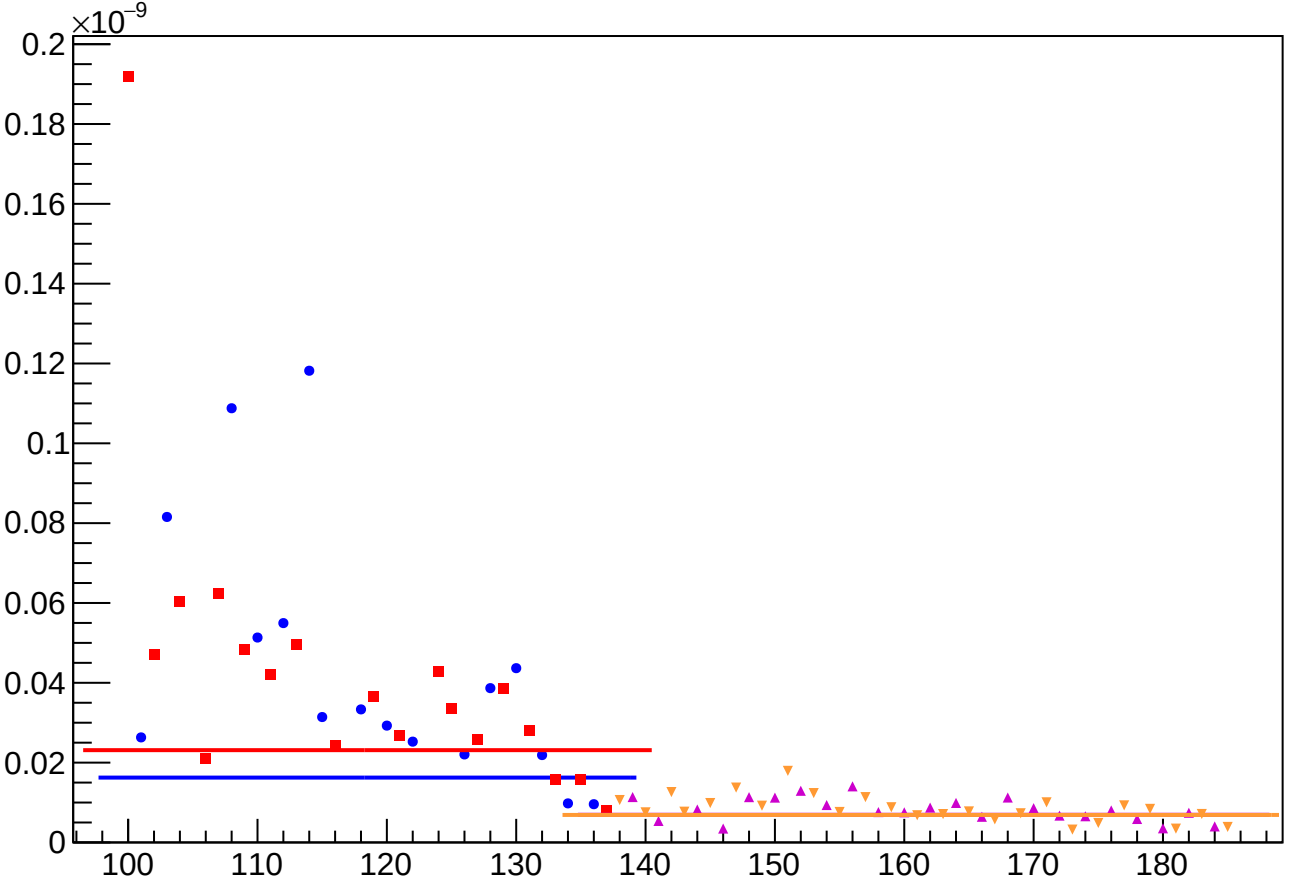
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.1/40

All: 0.000+/-0.000 χ^2/NDF: 93.4/82

- 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:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

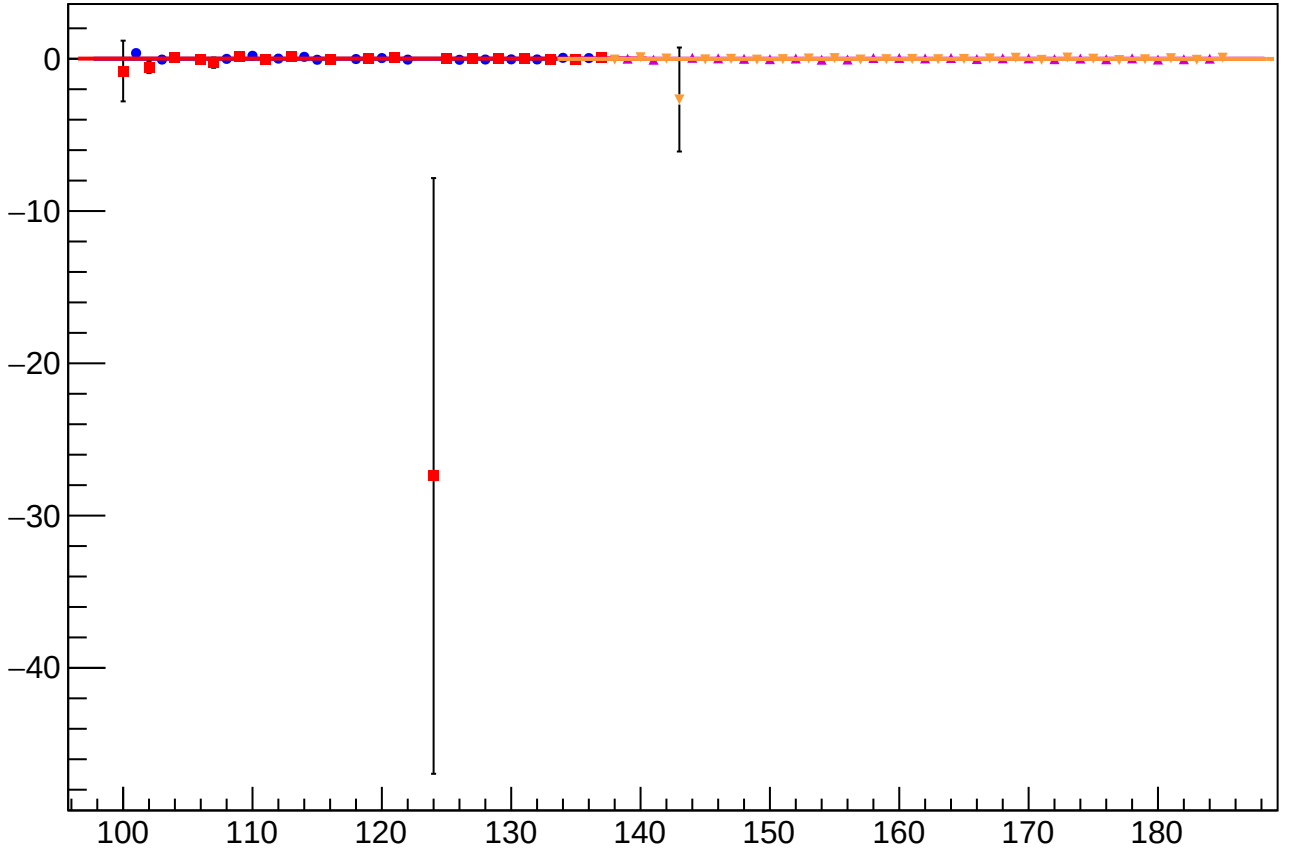
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5302508.2/40

All: 0.000+/-0.000 χ^2/NDF: 10236625.7/82

- 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:39.5/24

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

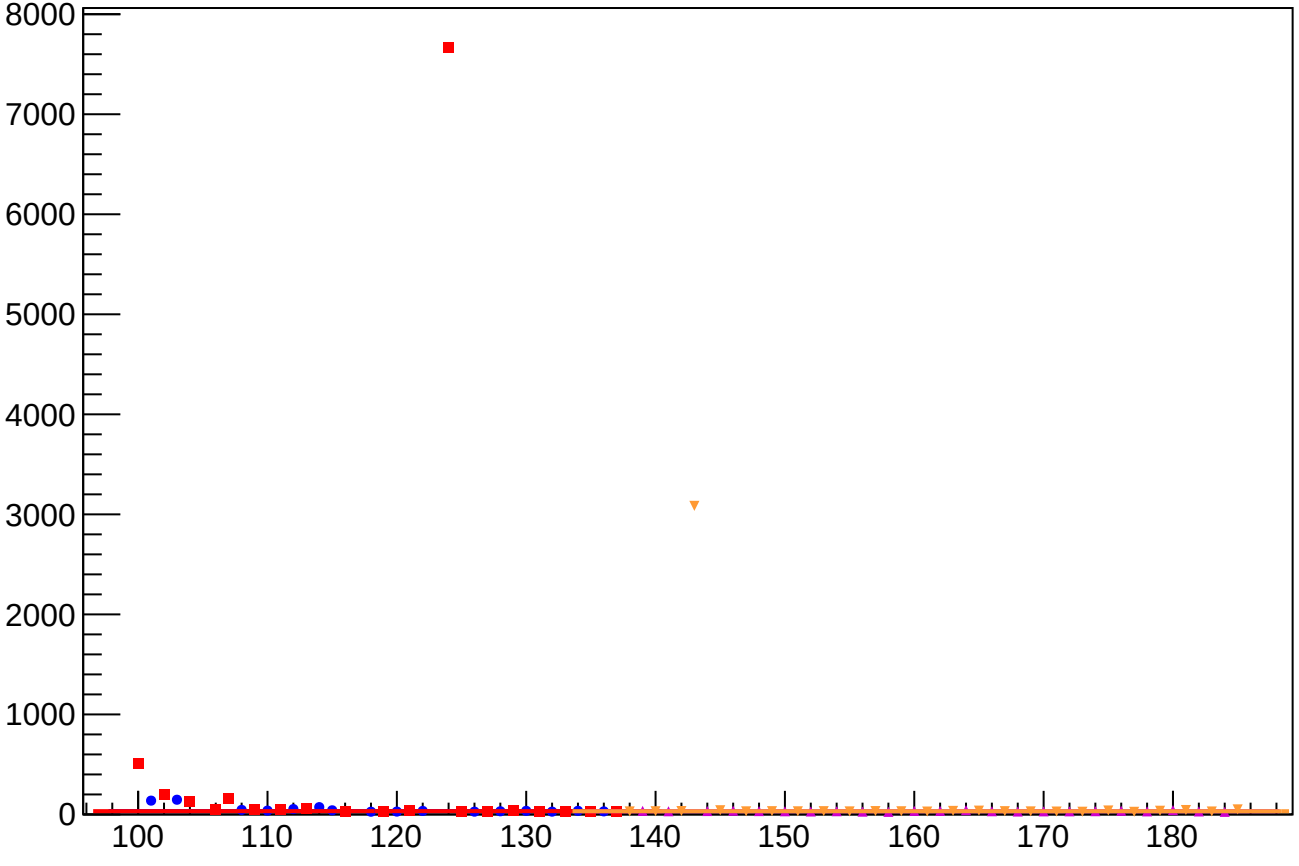
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 61.0/40

All: -0.001+/-0.005 χ^2/NDF: 97.8/82

- 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: 32.277+/-0.006 χ^2/NDF:2120929.6/24

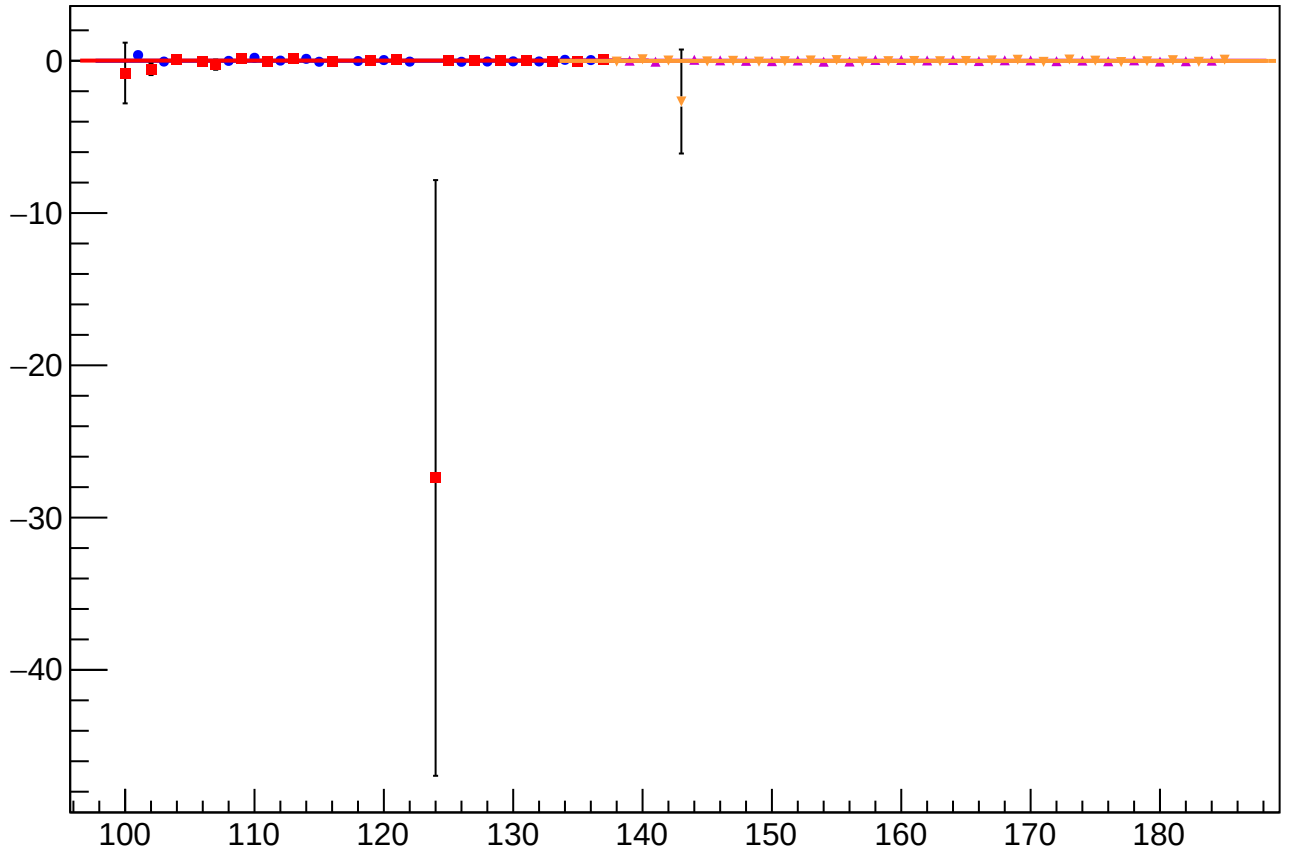
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.699+/-0.005 χ^2/NDF: 3860345.6/40

All: 32.639+/-0.004 χ^2/NDF: 6364864.7/82

- 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:39.5/24

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

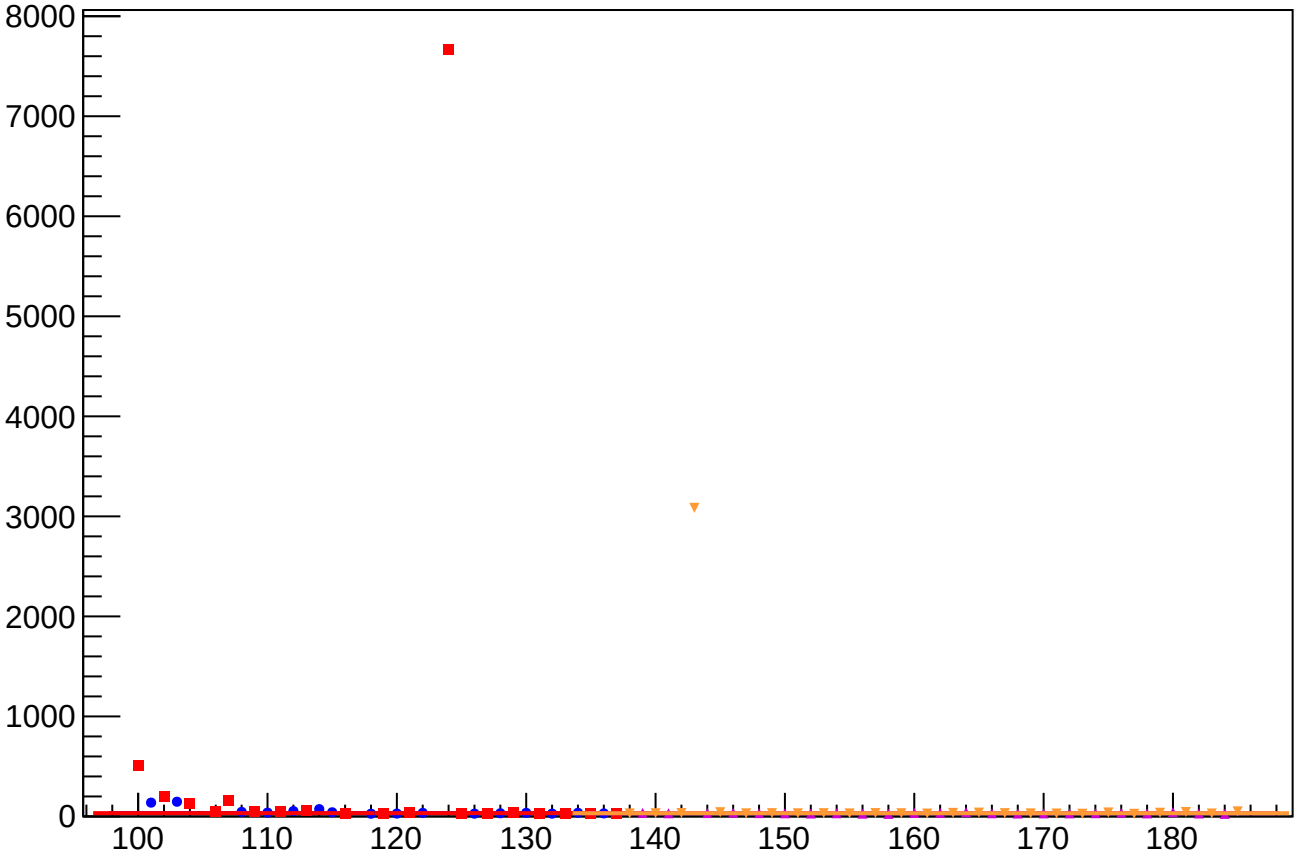
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 61.0/40

All: -0.001+/-0.005 χ^2/NDF: 97.8/82

- 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: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

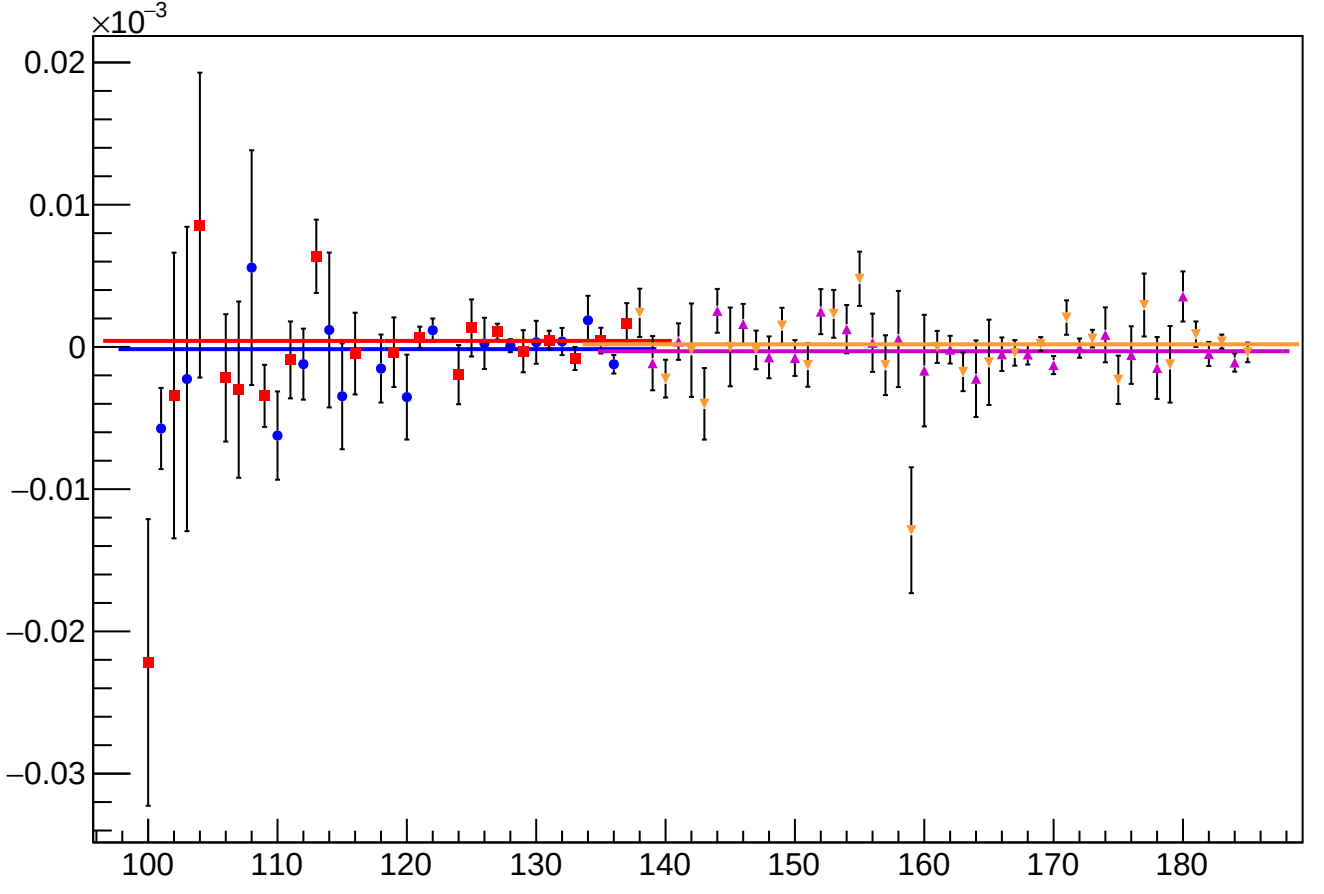
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.699+/-0.005 χ^2/NDF: 3860345.6/40

All: 32.639+/-0.004 χ^2/NDF: 6364864.7/82

- 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:37.5/24

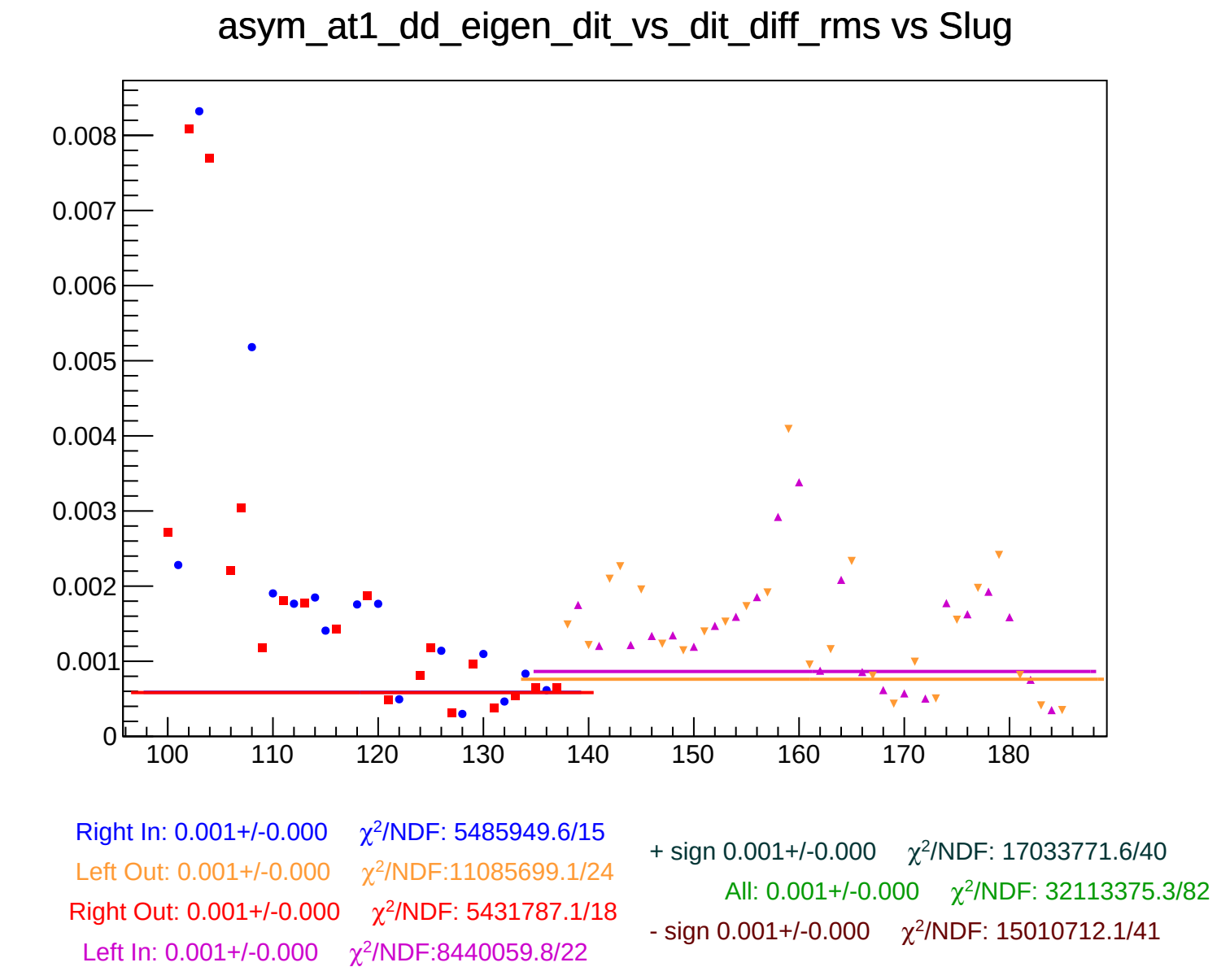
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

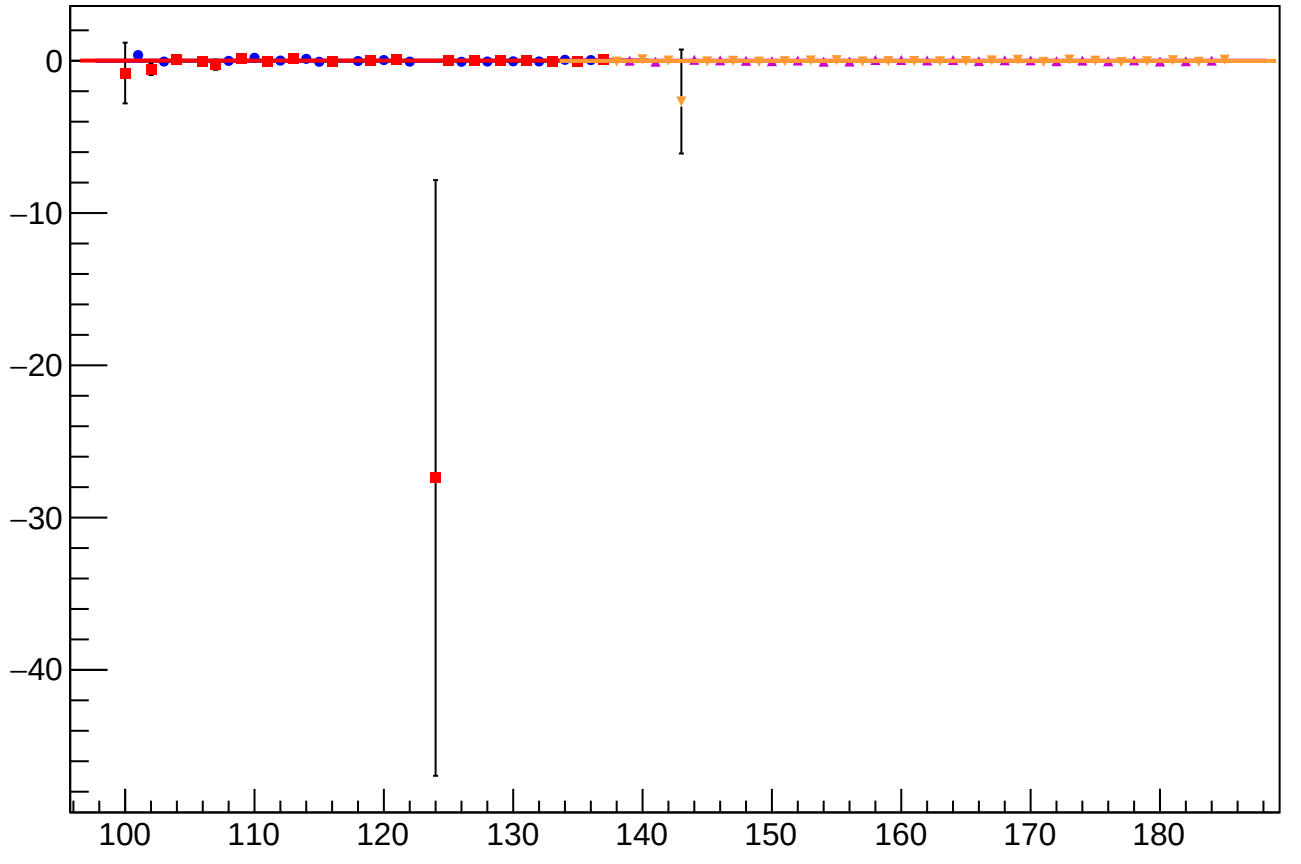
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.6/40

All: 0.000+/-0.000 χ^2/NDF: 102.3/82

- sign -0.000+/-0.000 χ^2/NDF: 45.6/41


asym_at1_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: 5485949.6/15
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 17033771.6/40
All: 0.001+/-0.000 χ²/NDF: 32113375.3/82
- sign 0.001+/-0.000 χ²/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:39.5/24

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

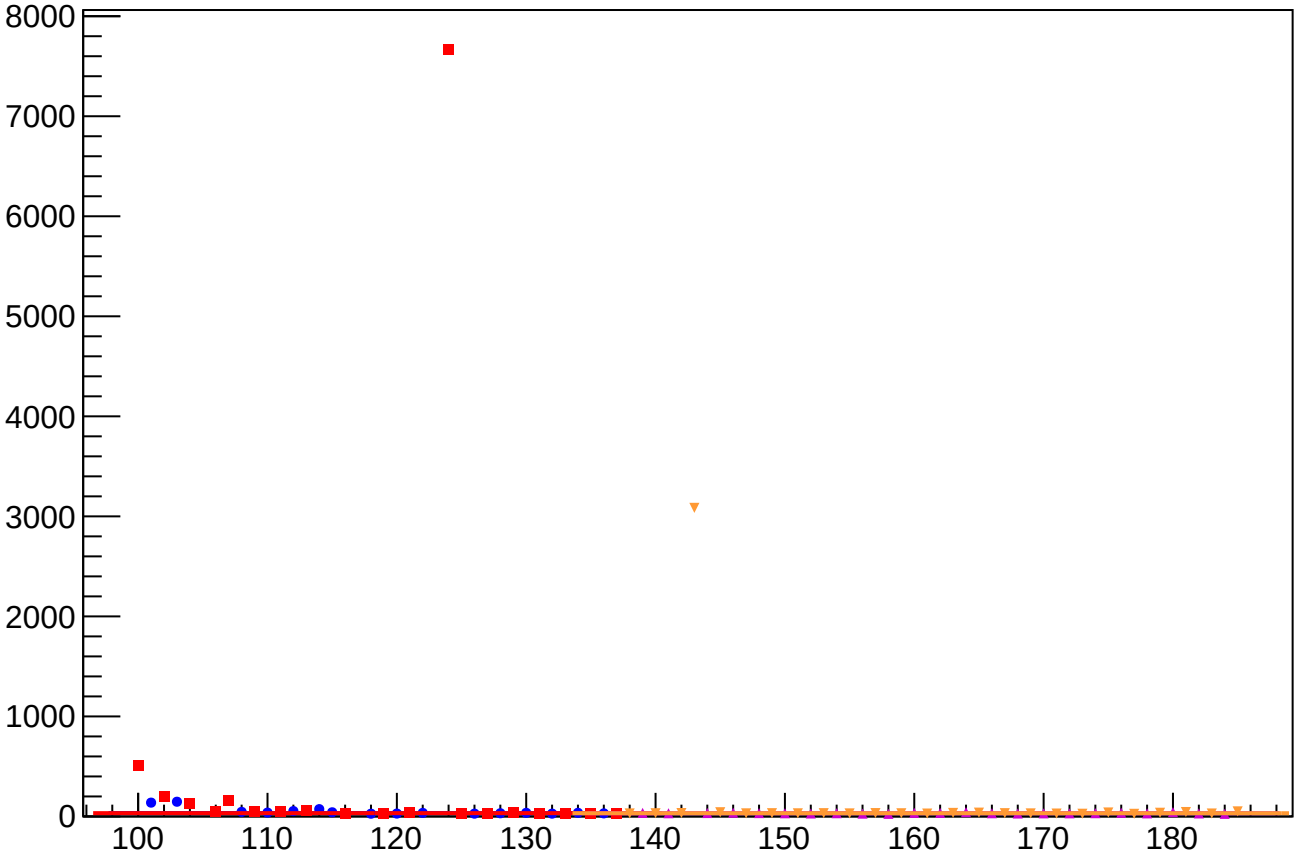
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 61.0/40

All: -0.001+/-0.005 χ^2/NDF: 97.8/82

- 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: 32.277+/-0.006 χ^2/NDF:2120971.9/24

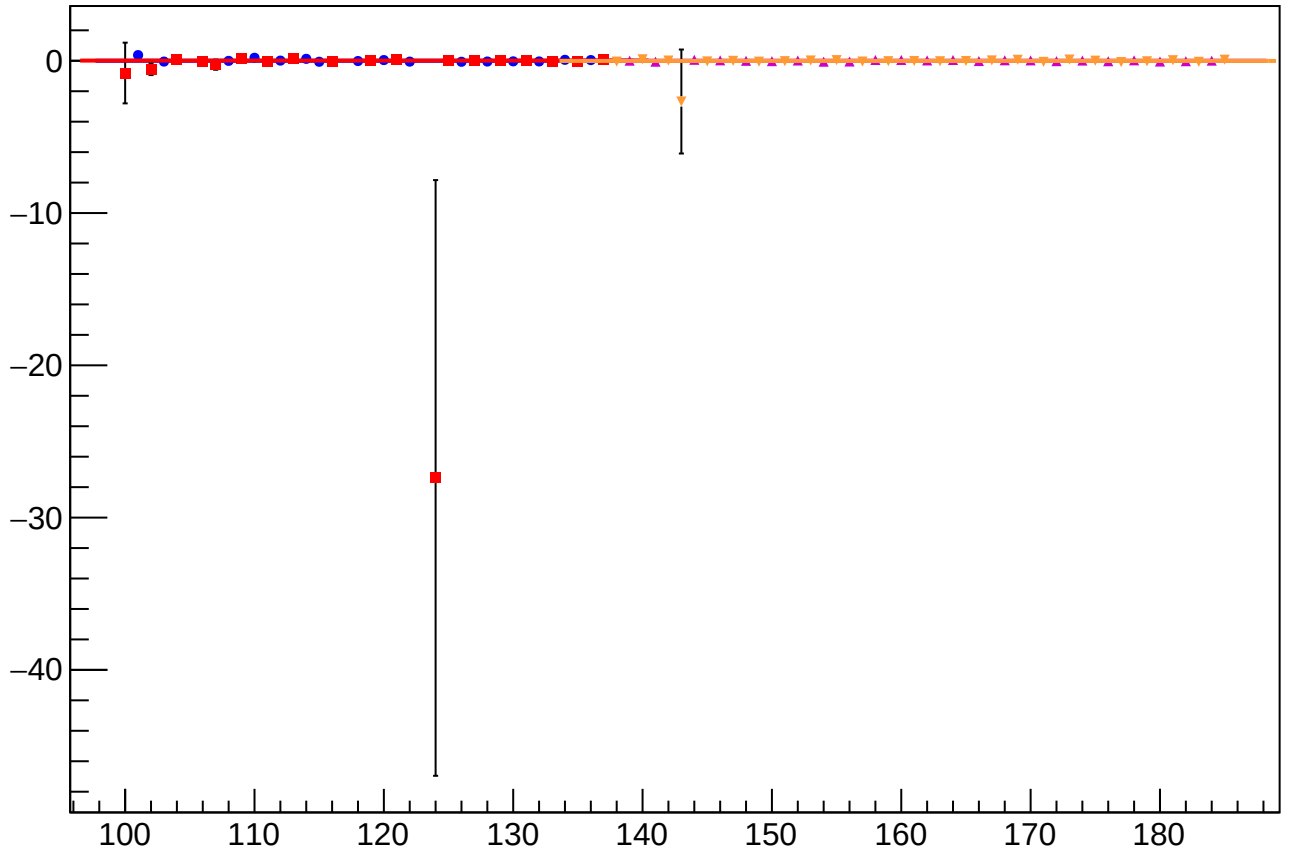
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.699+/-0.005 χ^2/NDF: 3860379.0/40

All: 32.639+/-0.004 χ^2/NDF: 6364791.9/82

- 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:39.5/24

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

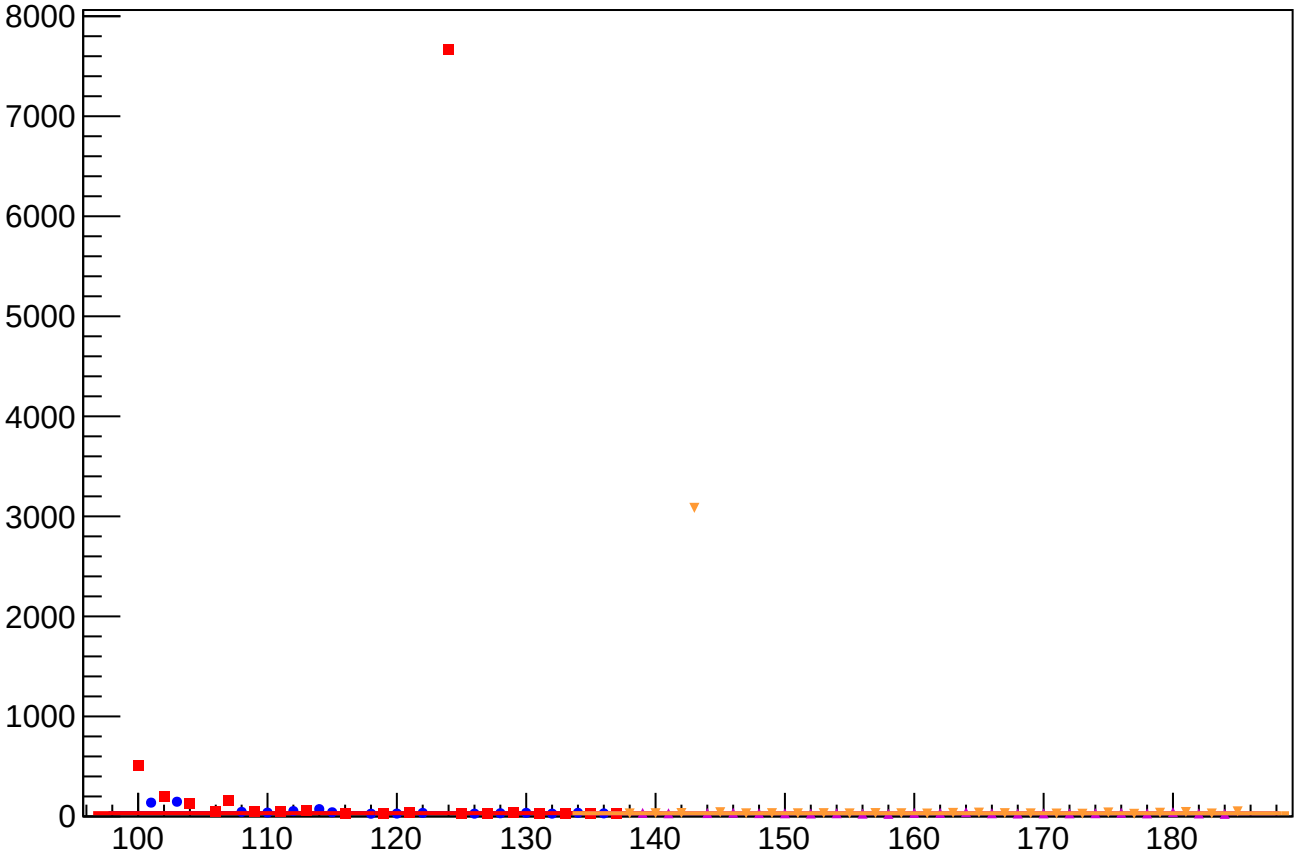
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 61.0/40

All: -0.001+/-0.005 χ^2/NDF: 97.8/82

- sign 0.005+/-0.007 χ^2/NDF: 35.3/41

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

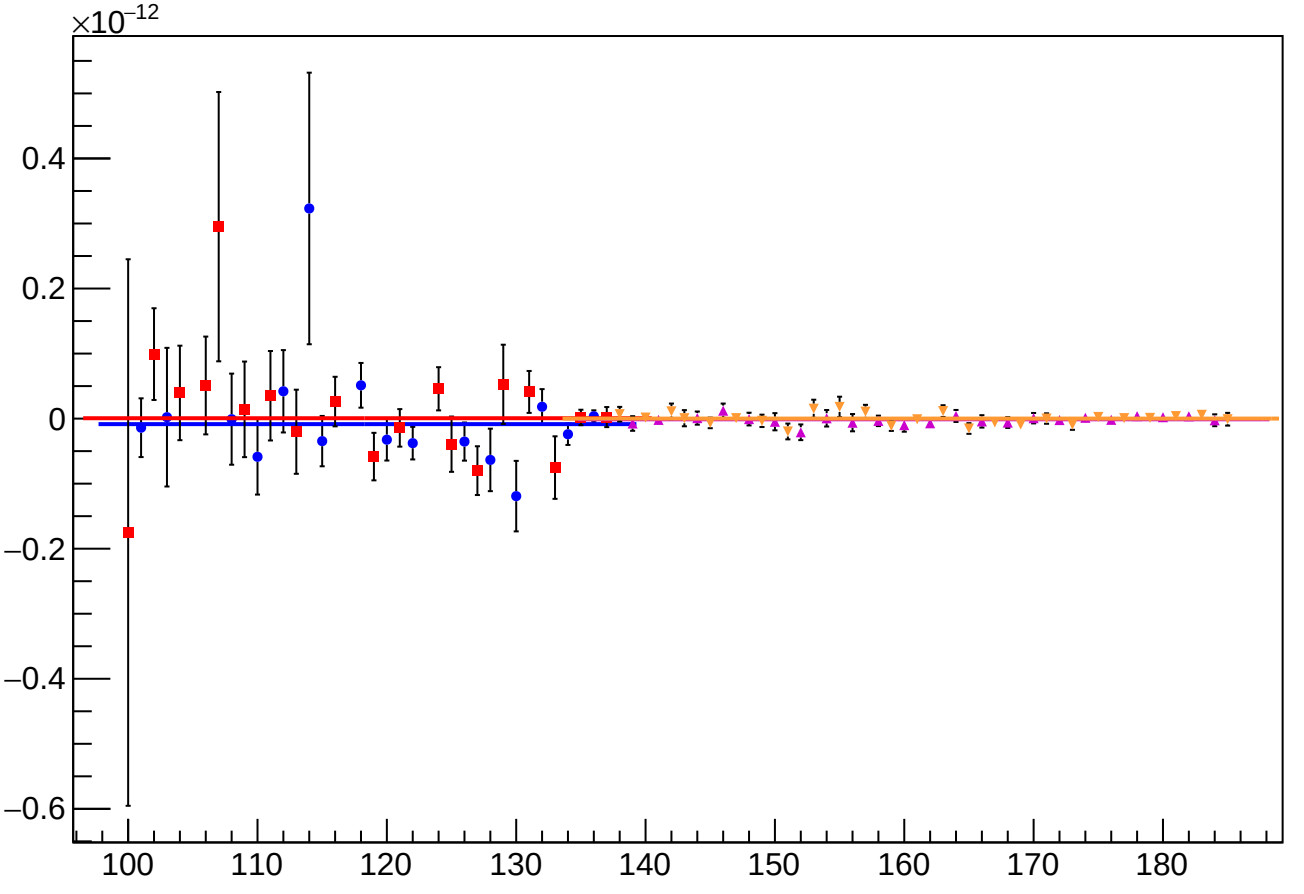
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.699+/-0.005 χ^2/NDF: 3860379.0/40

All: 32.639+/-0.004 χ^2/NDF: 6364791.9/82

- sign 32.579+/-0.005 χ^2/NDF: 2504132.9/41

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

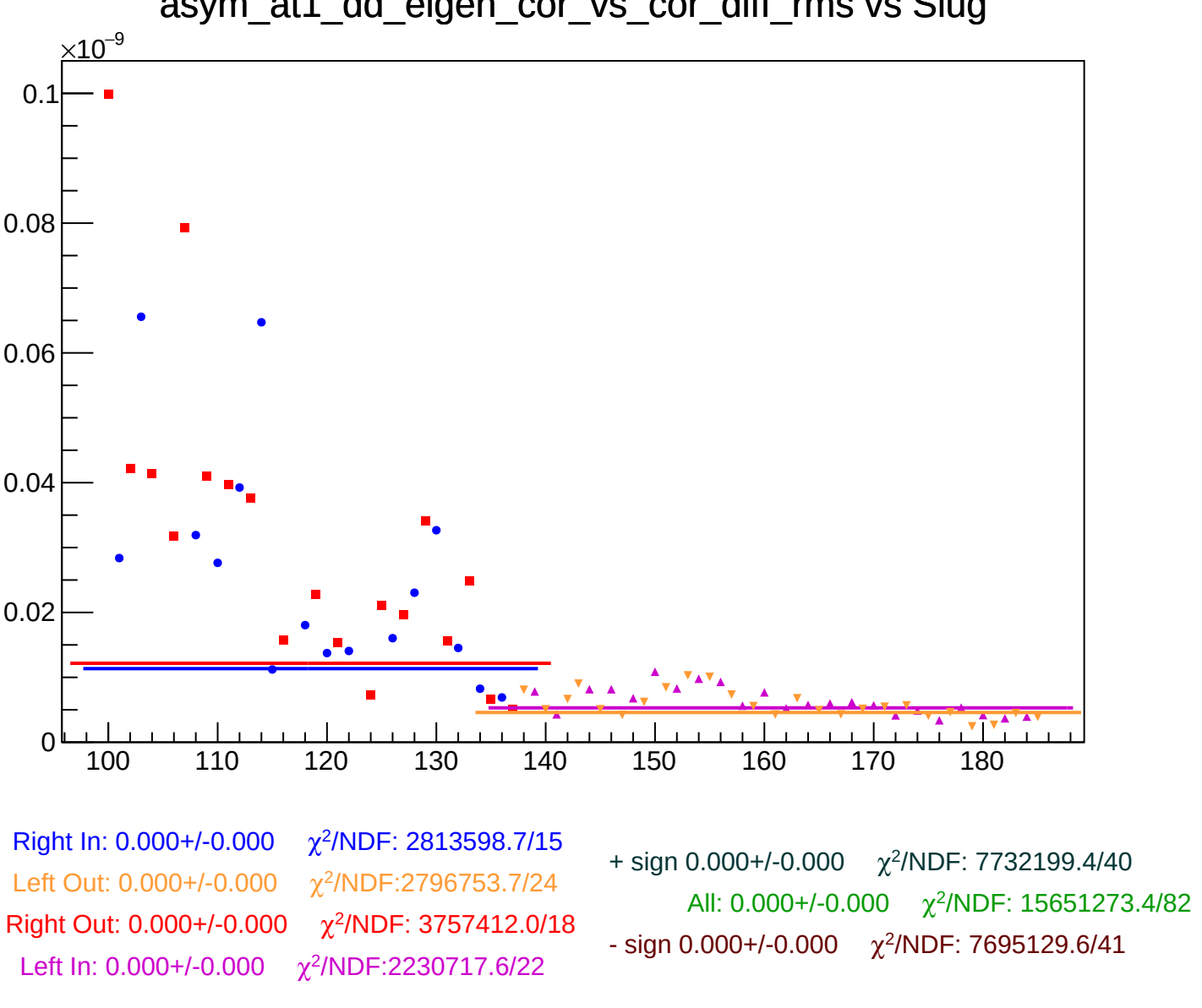
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

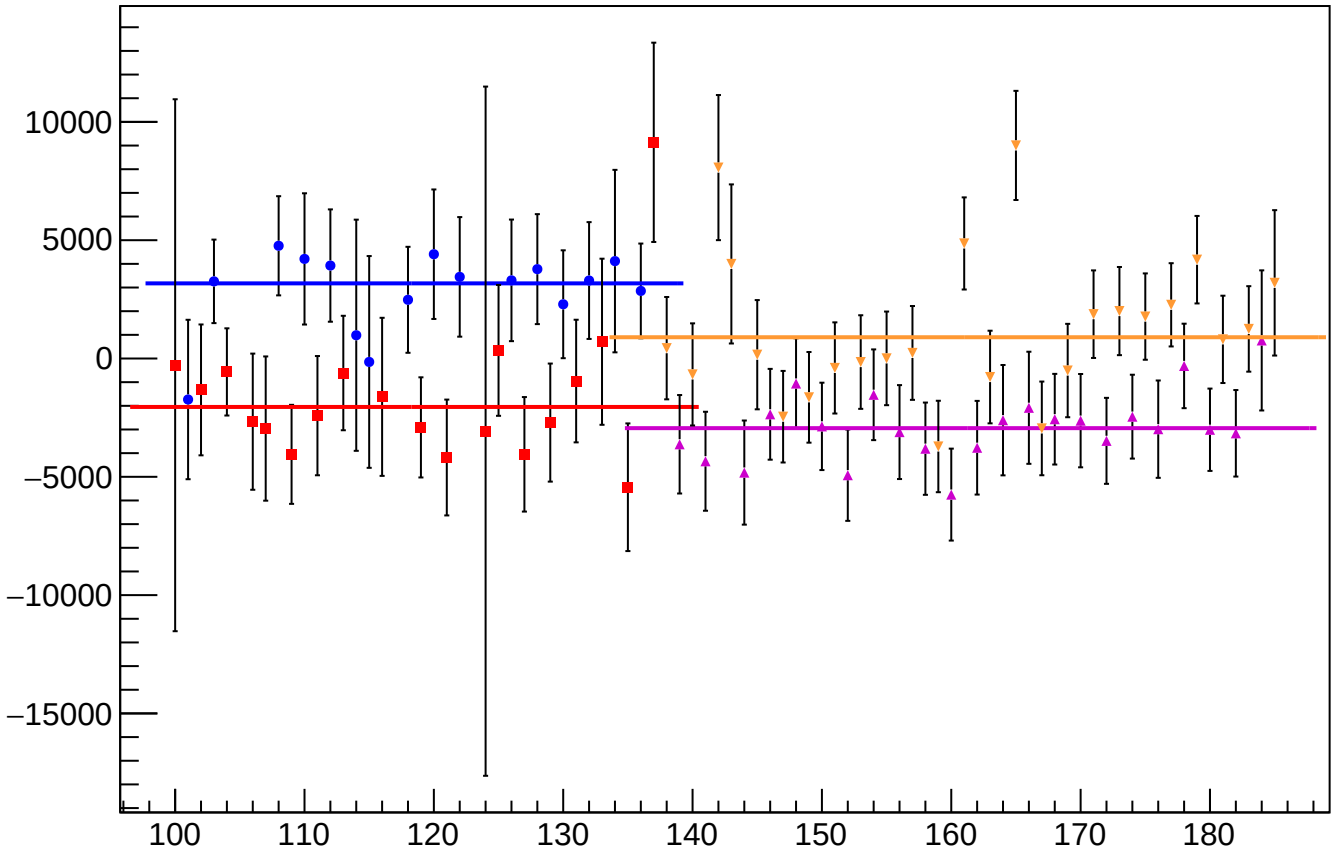
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.1/40

All: -0.000+/-0.000 χ^2/NDF: 72.1/82

- 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:2796753.7/24
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: 7732199.4/40
All: 0.000+/-0.000 χ²/NDF: 15651273.4/82
- sign 0.000+/-0.000 χ²/NDF: 7695129.6/41



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

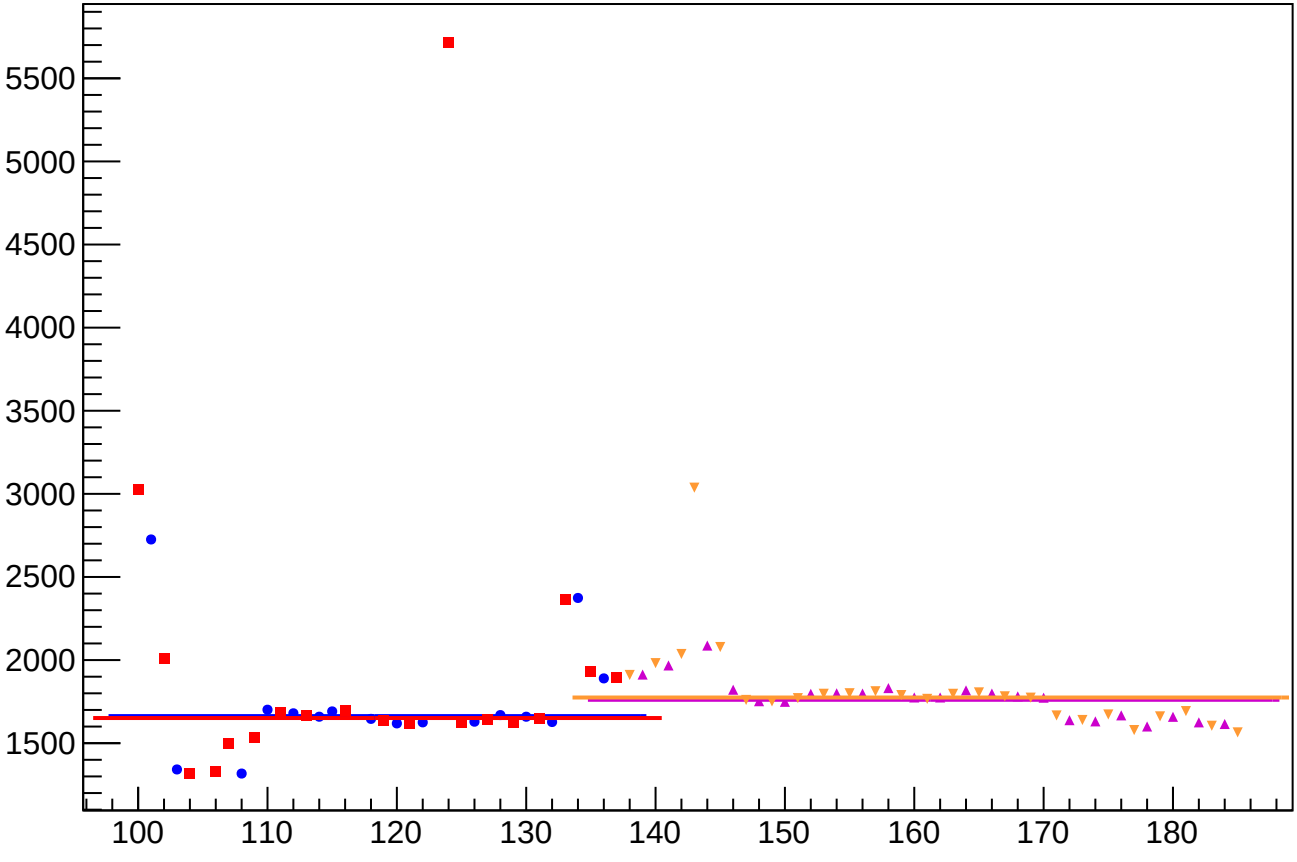
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1568.937+/-340.679 χ^2/NDF: 58.9/40

All: -533.295+/-241.866 χ^2/NDF: 161.7/82

- 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: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

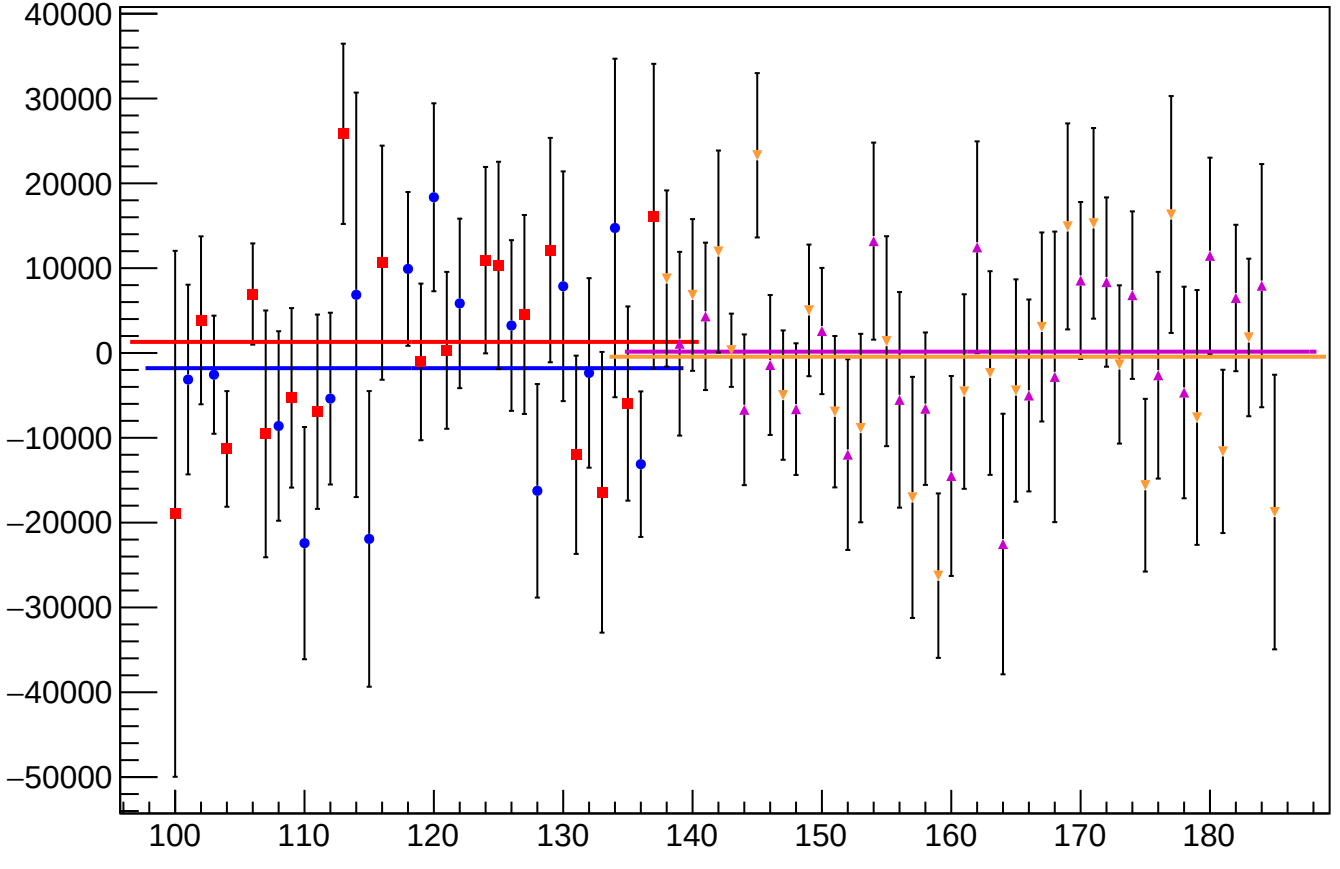
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1741.820+/-0.241 χ^2/NDF: 907283.0/40

All: 1734.752+/-0.171 χ^2/NDF: 1530586.2/82

- 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: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

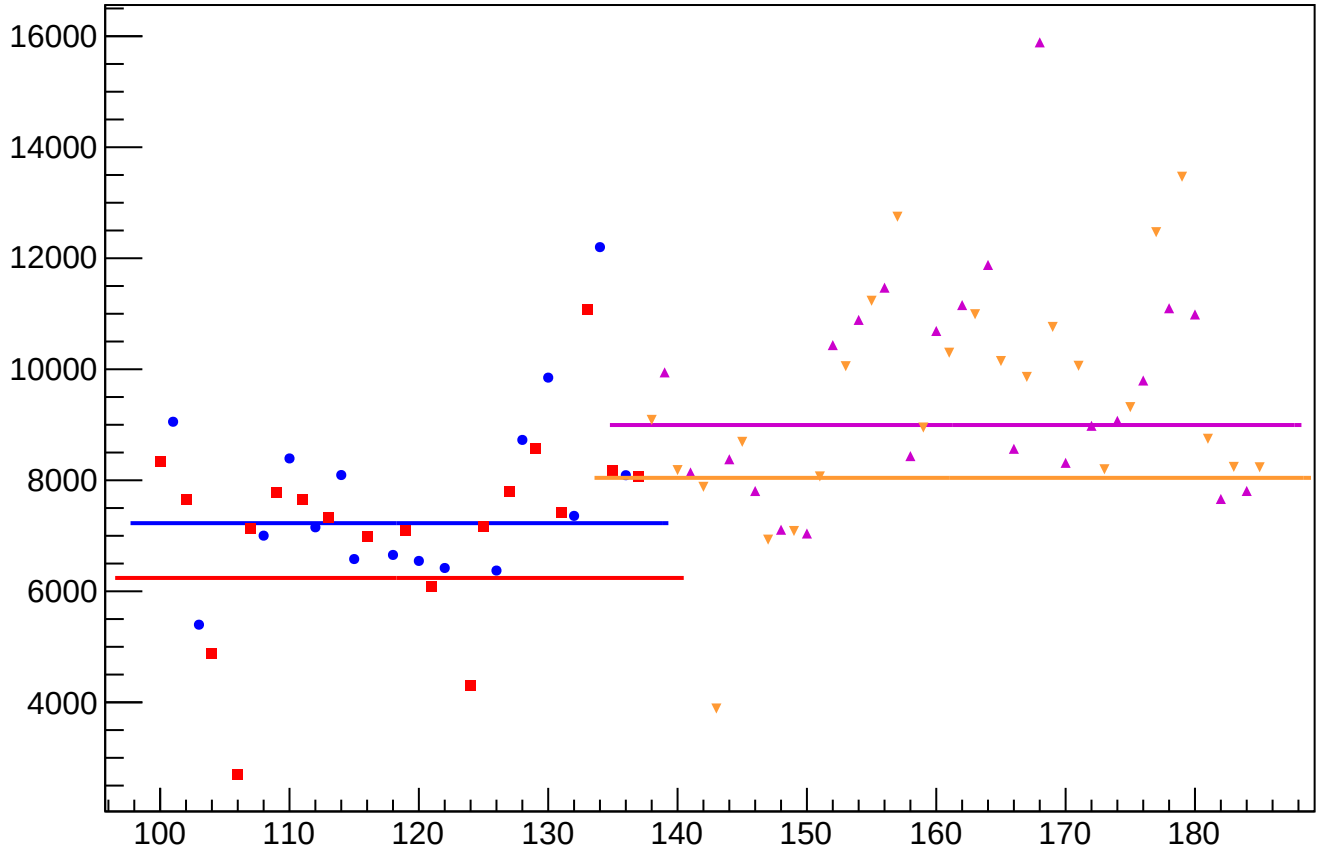
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -888.115+/-1576.146 χ^2/NDF: 44.0/40

All: -129.815+/-1125.423 χ^2/NDF: 76.1/82

- 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: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

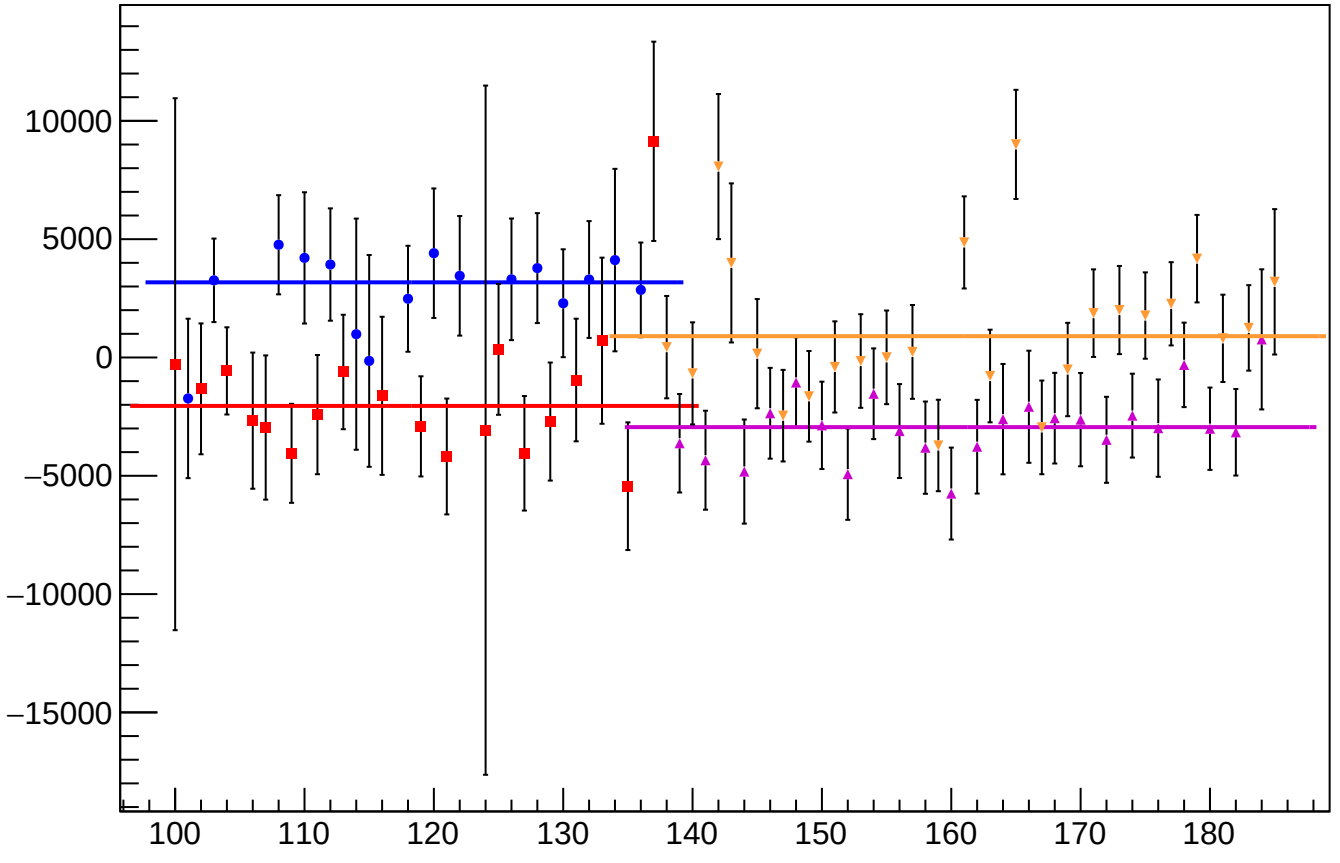
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7774.453+/-1.115 χ^2/NDF: 3984698.5/40

All: 7782.096+/-0.796 χ^2/NDF: 8036830.7/82

- sign 7790.046+/-1.137 χ^2/NDF: 4052036.2/41

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

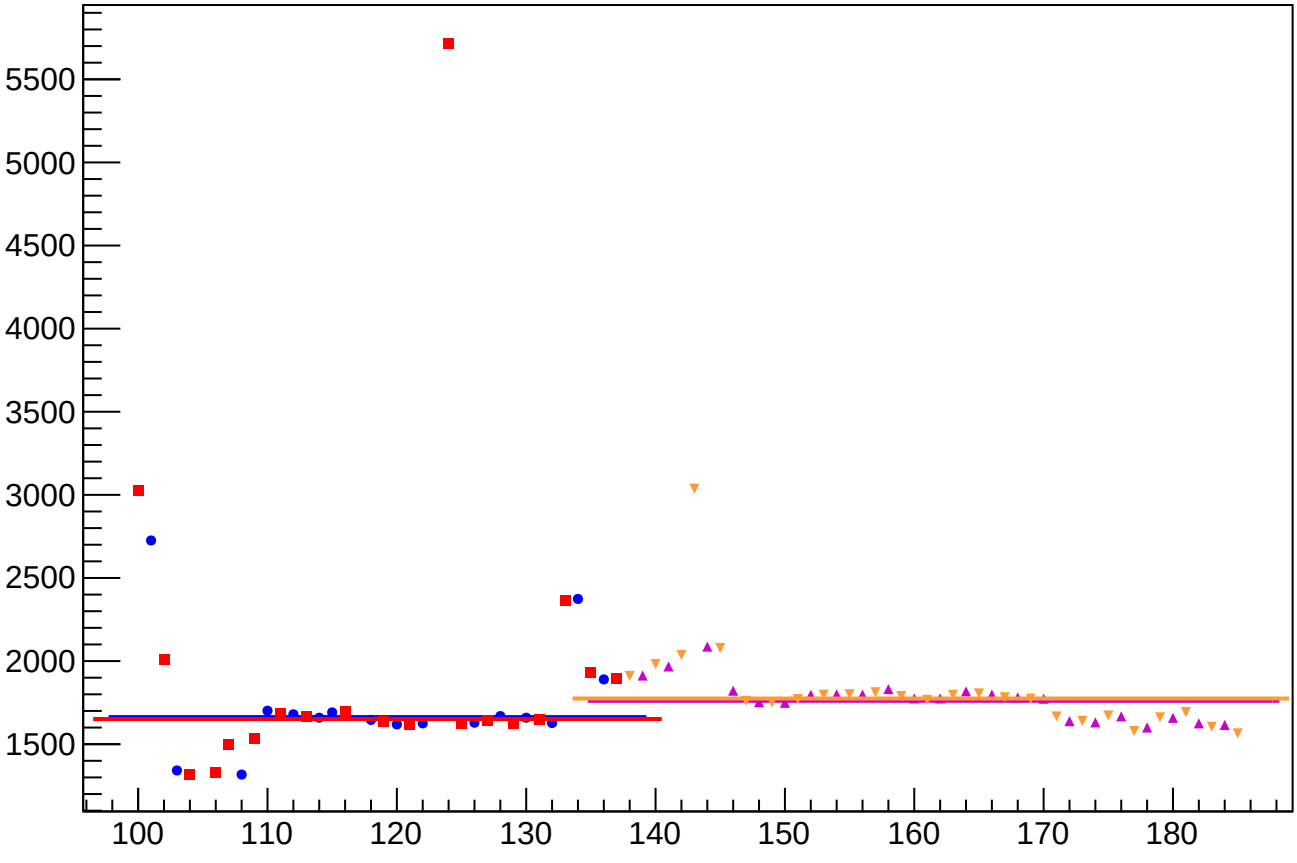
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1568.907+/-340.679 χ^2/NDF: 58.9/40

All: -533.242+/-241.866 χ^2/NDF: 161.7/82

- 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: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

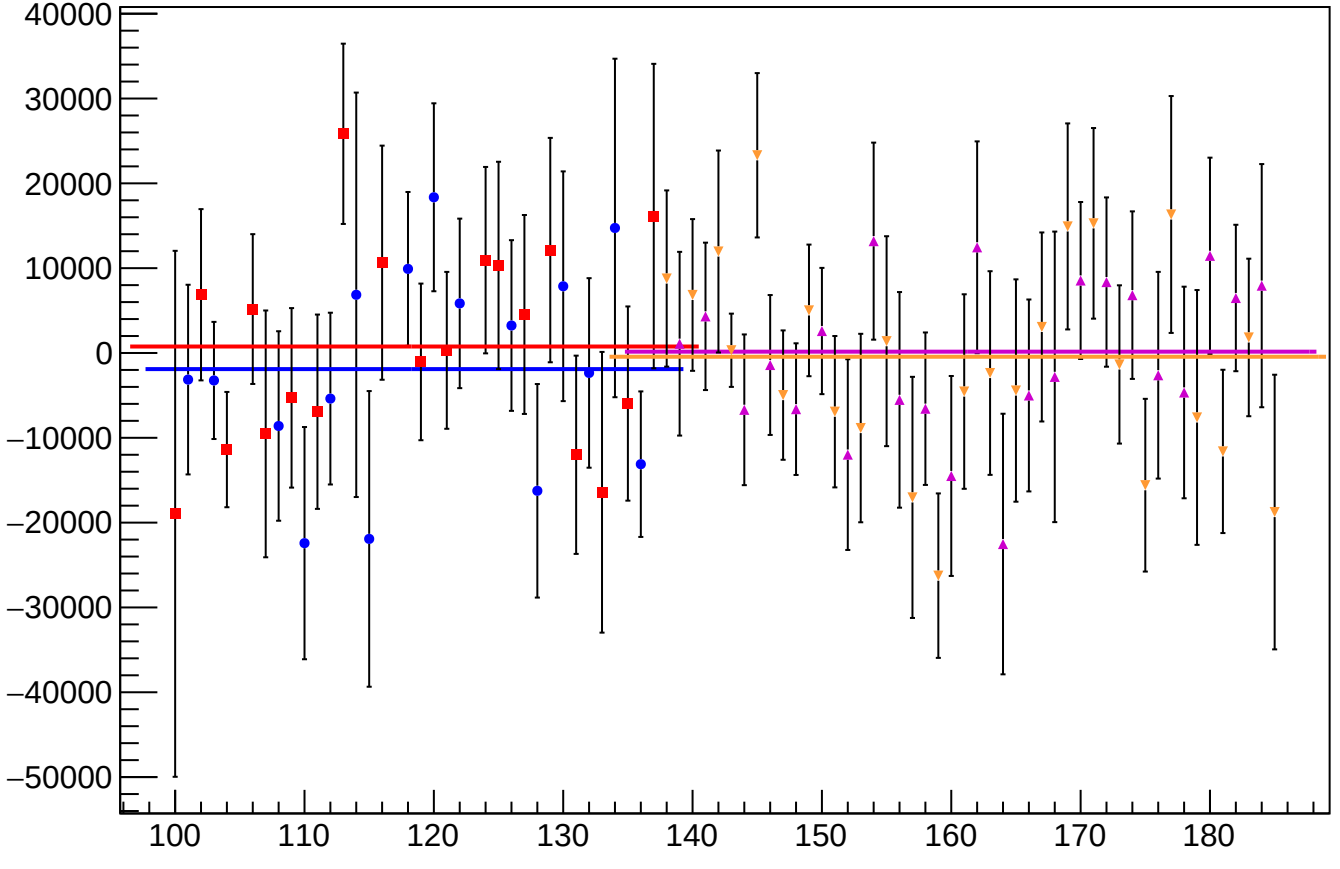
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1741.820+/-0.241 χ^2/NDF: 907283.4/40

All: 1734.752+/-0.171 χ^2/NDF: 1530586.9/82

- 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: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

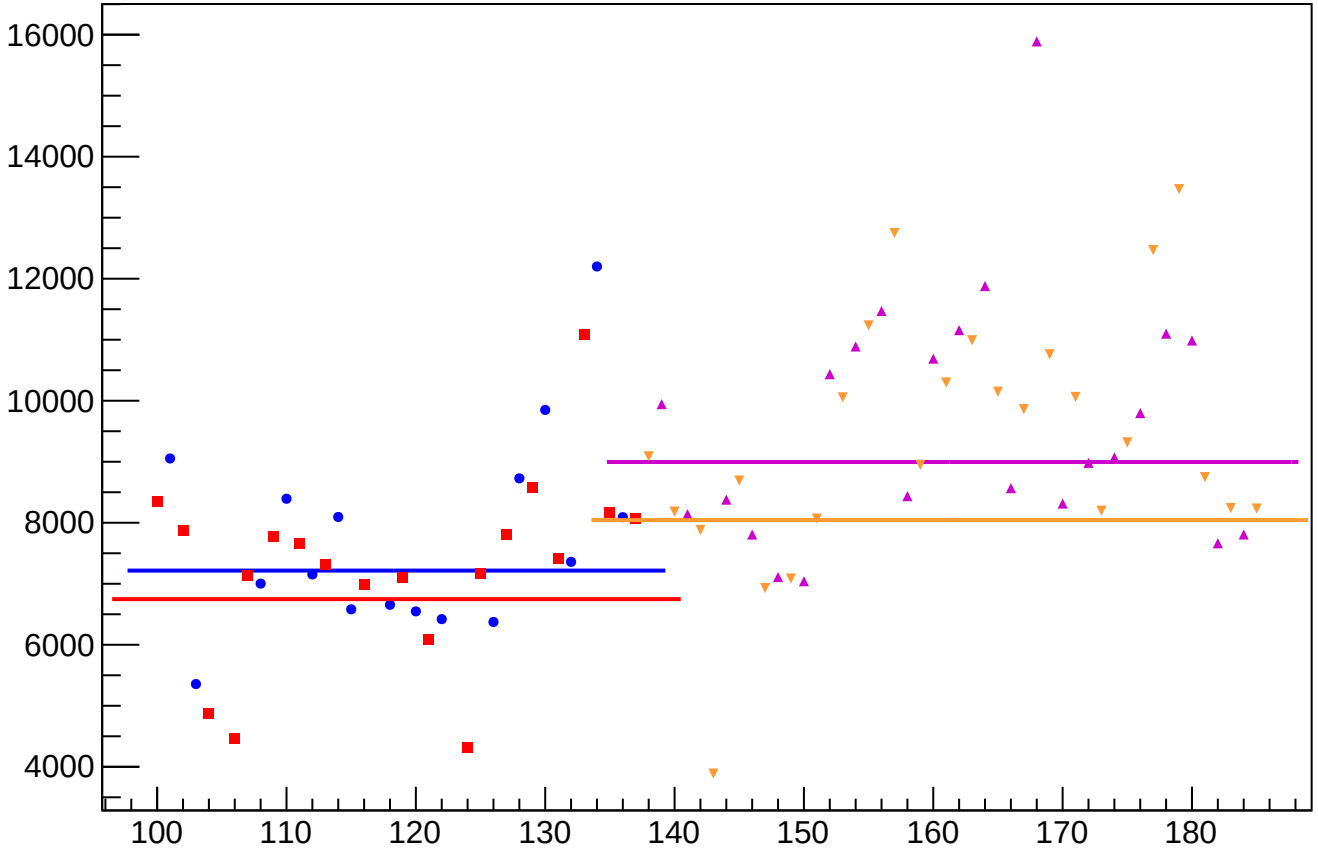
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -925.006+/-1575.449 χ^2/NDF: 44.0/40

All: -286.209+/-1136.409 χ^2/NDF: 75.5/82

\- 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: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

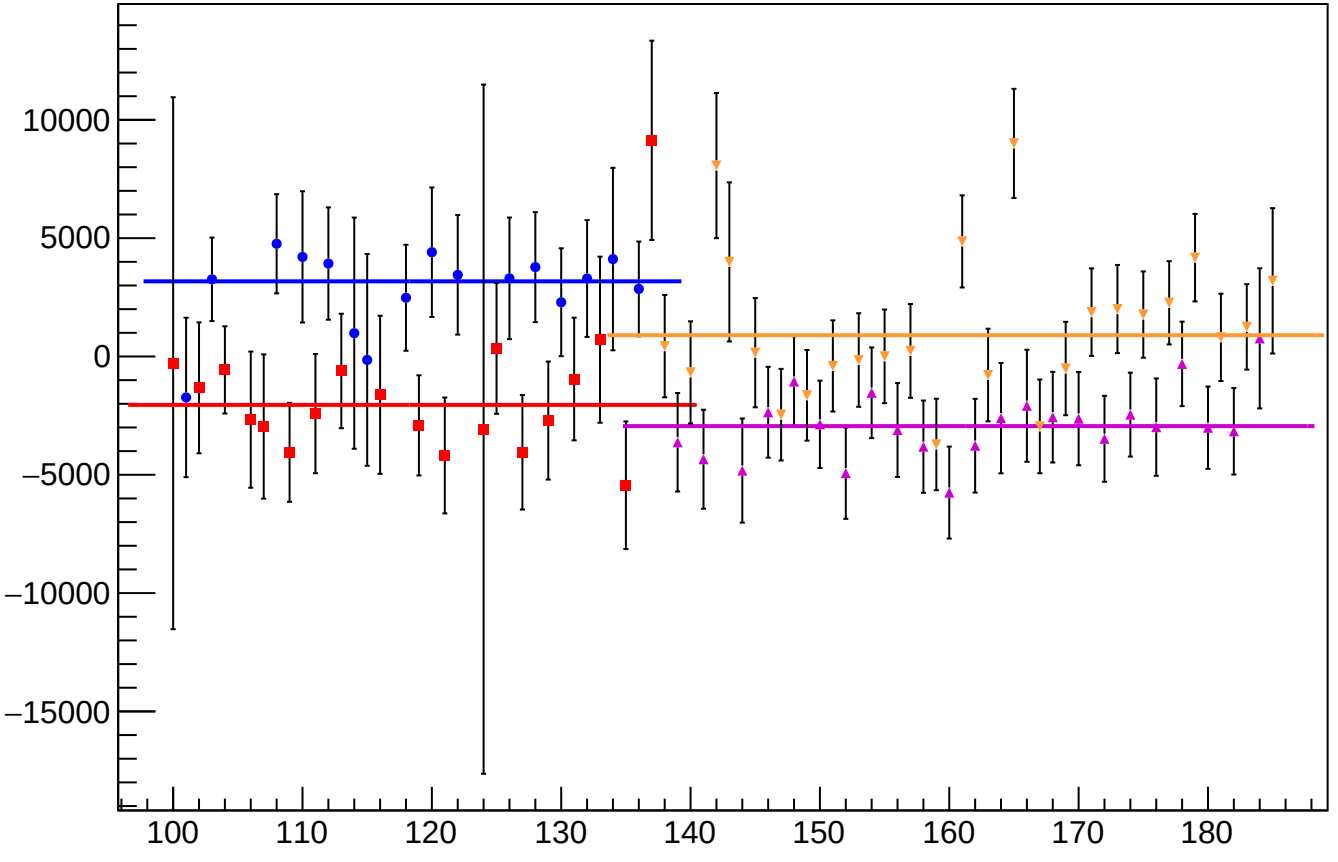
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7770.133+/-1.114 χ^2/NDF: 3997235.7/40

All: 7911.528+/-0.804 χ^2/NDF: 6857463.1/82

- 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: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

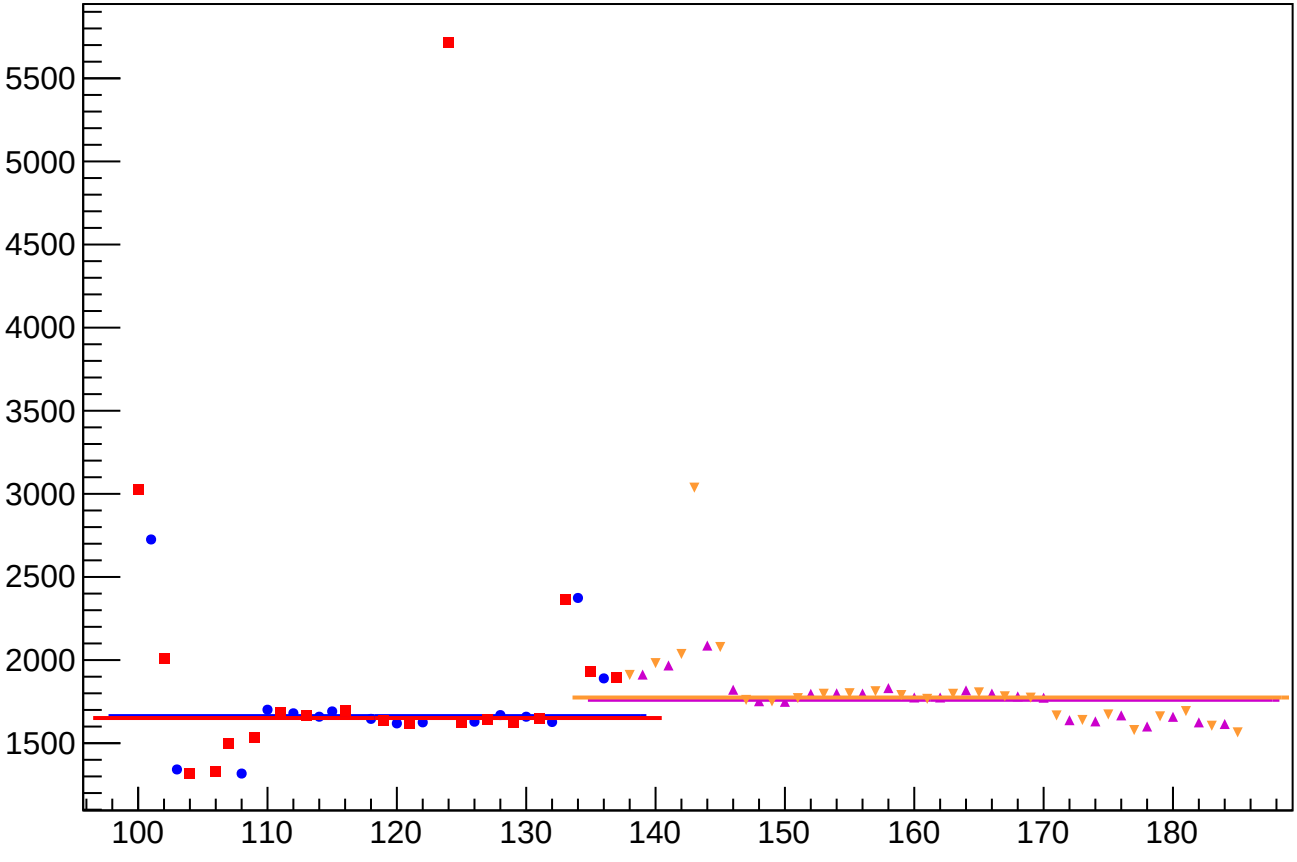
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1568.907+/-340.679 χ^2/NDF: 58.9/40

All: -533.242+/-241.866 χ^2/NDF: 161.7/82

- 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: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

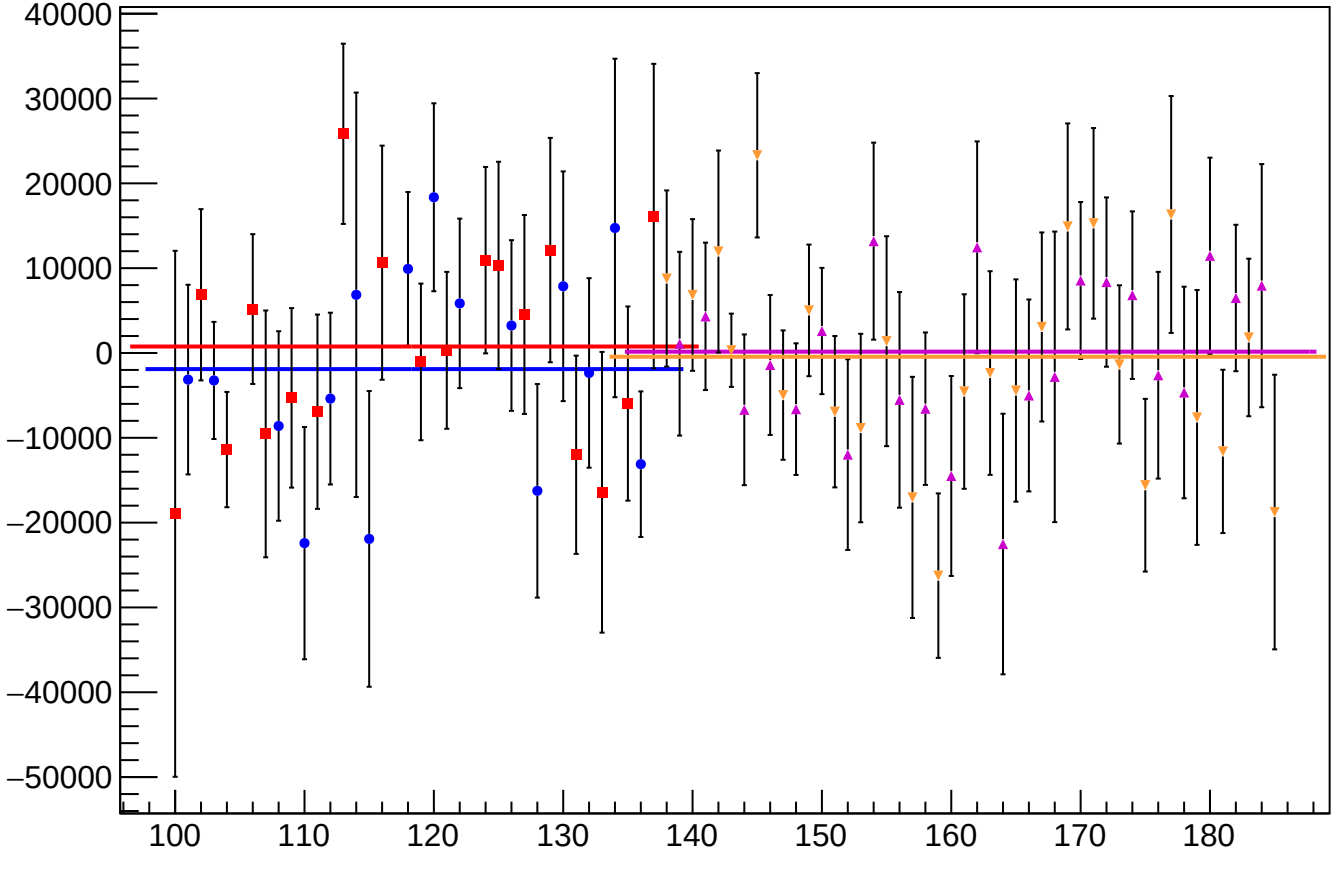
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1741.820+/-0.241 χ^2/NDF: 907283.4/40

All: 1734.752+/-0.171 χ^2/NDF: 1530586.9/82

- sign 1727.570+/-0.243 χ^2/NDF: 621567.9/41

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

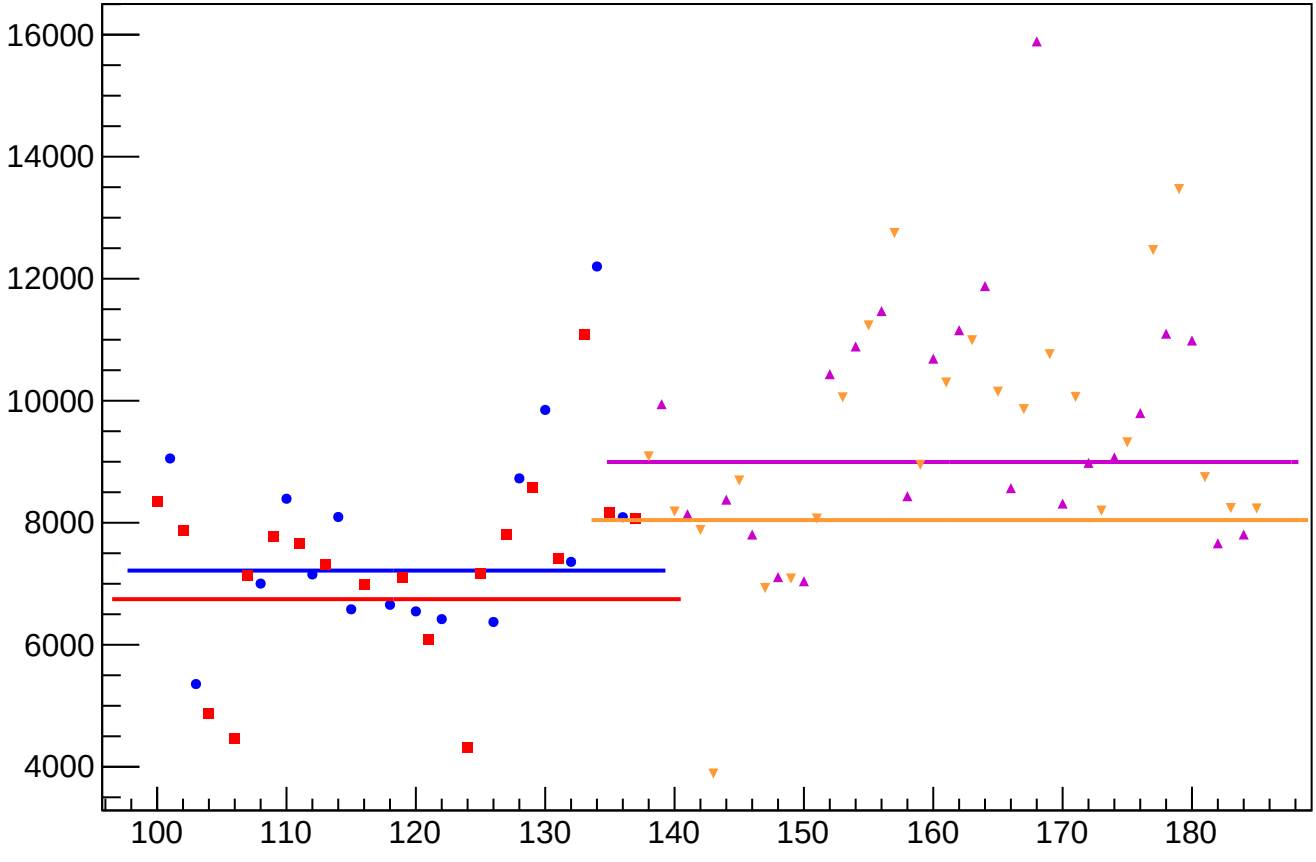
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -925.006+/-1575.449 χ^2/NDF: 44.0/40

All: -286.209+/-1136.409 χ^2/NDF: 75.5/82

\- 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: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

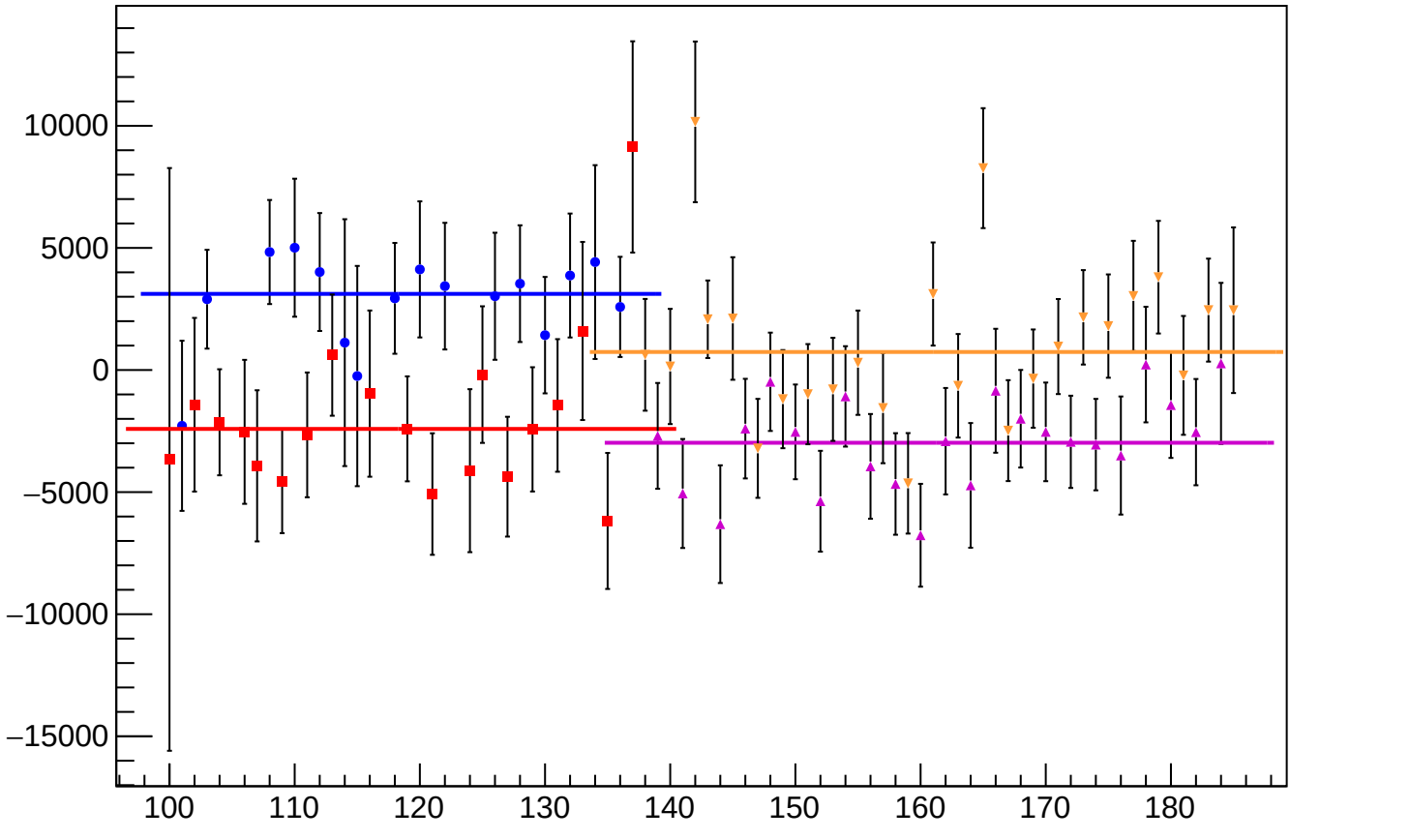
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7770.133+/-1.114 χ^2/NDF: 3997235.7/40

All: 7911.528+/-0.804 χ^2/NDF: 6857463.1/82

- 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: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

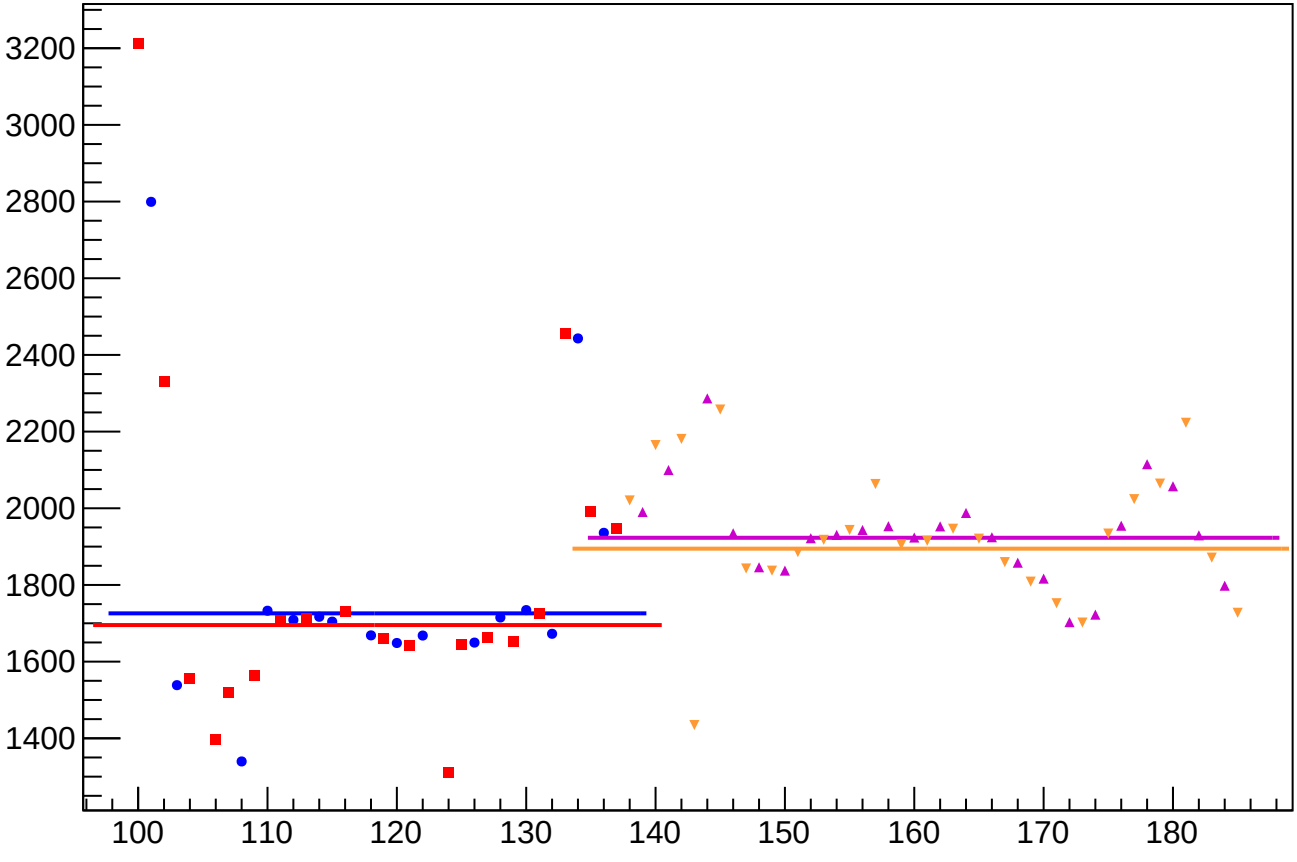
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1468.178+/-360.483 χ^2/NDF: 56.2/40

All: -616.913+/-257.554 χ^2/NDF: 156.7/82

- 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: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

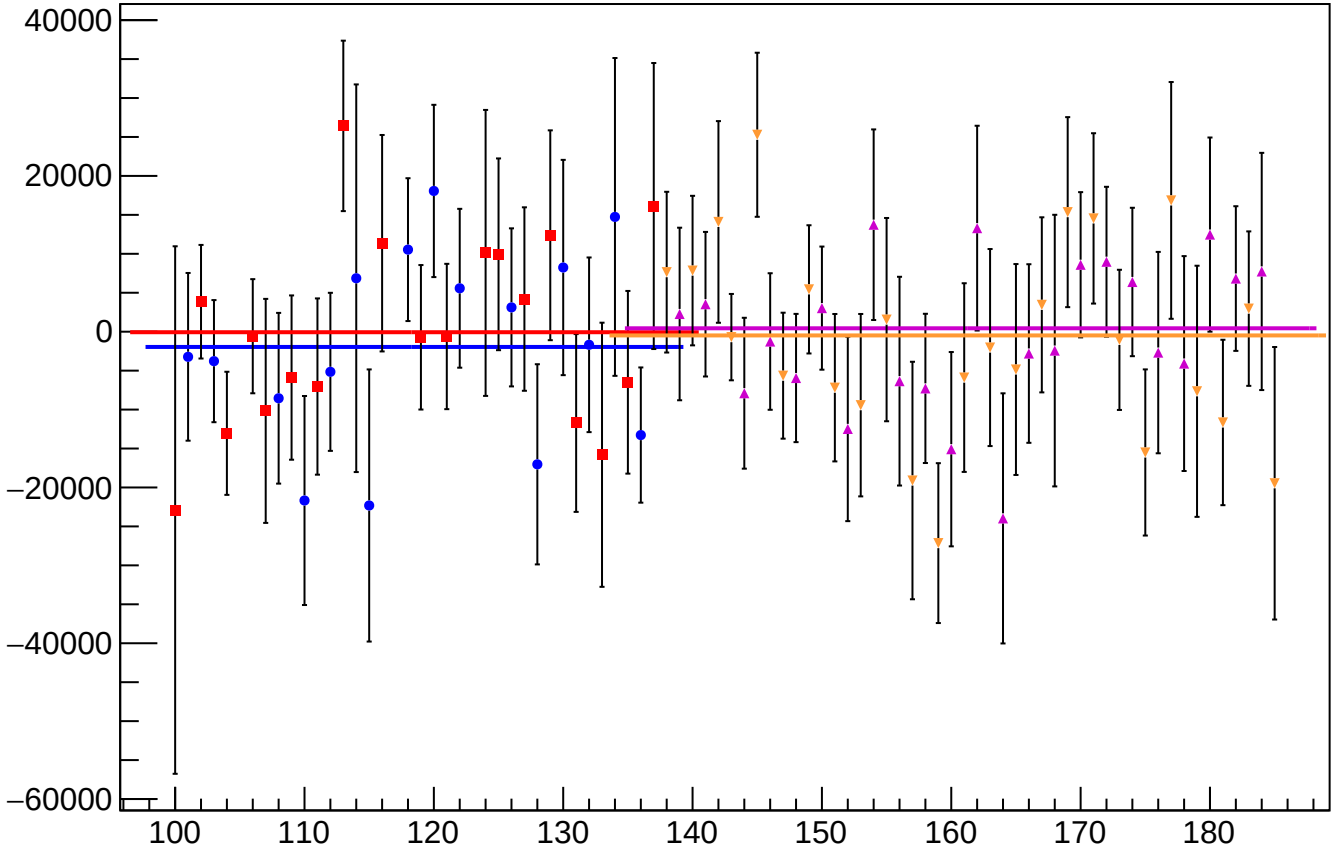
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1842.953+/-0.255 χ^2/NDF: 827413.2/40

All: 1845.158+/-0.182 χ^2/NDF: 1433849.5/82

- 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: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

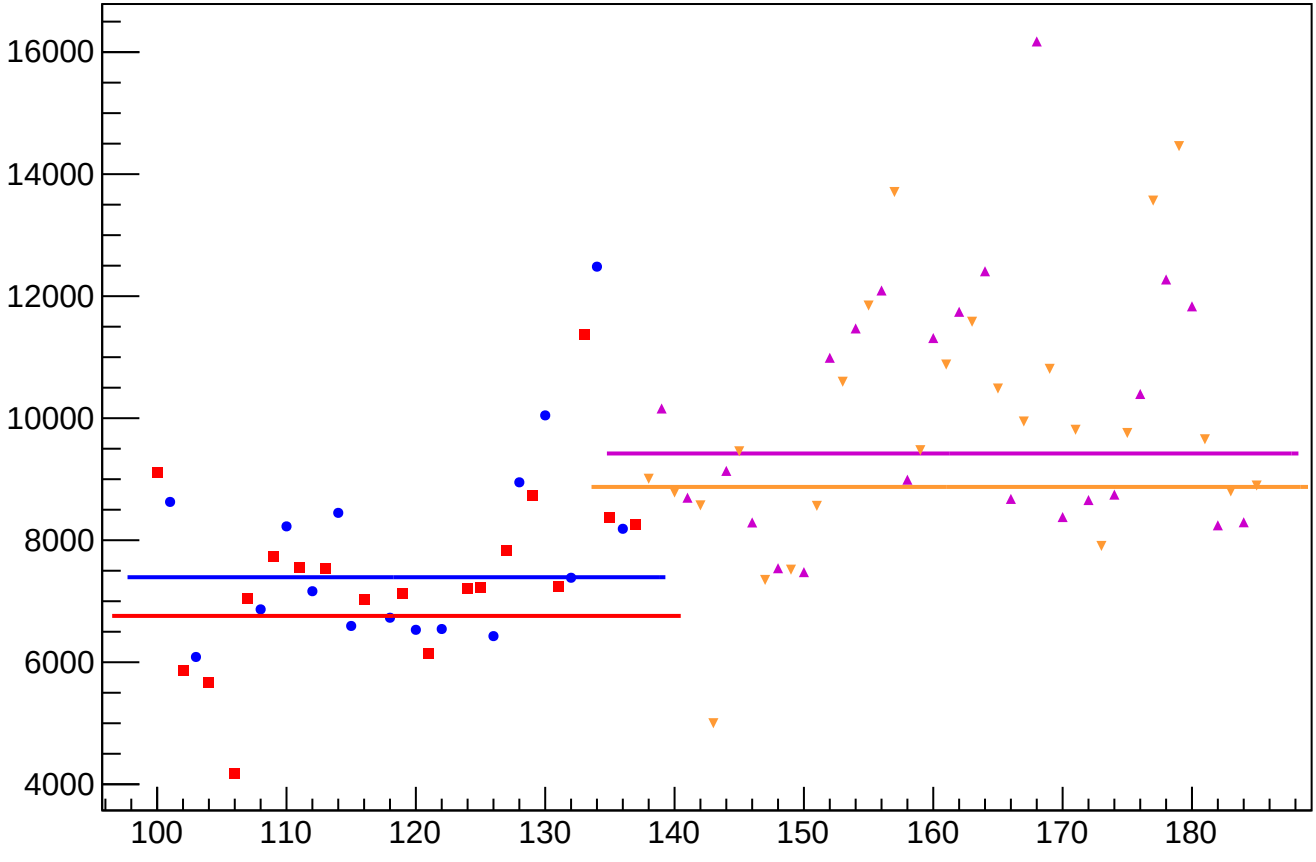
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -1008.770+/-1674.111 χ^2/NDF: 43.4/40

All: -399.103+/-1185.553 χ^2/NDF: 73.3/82

- 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: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

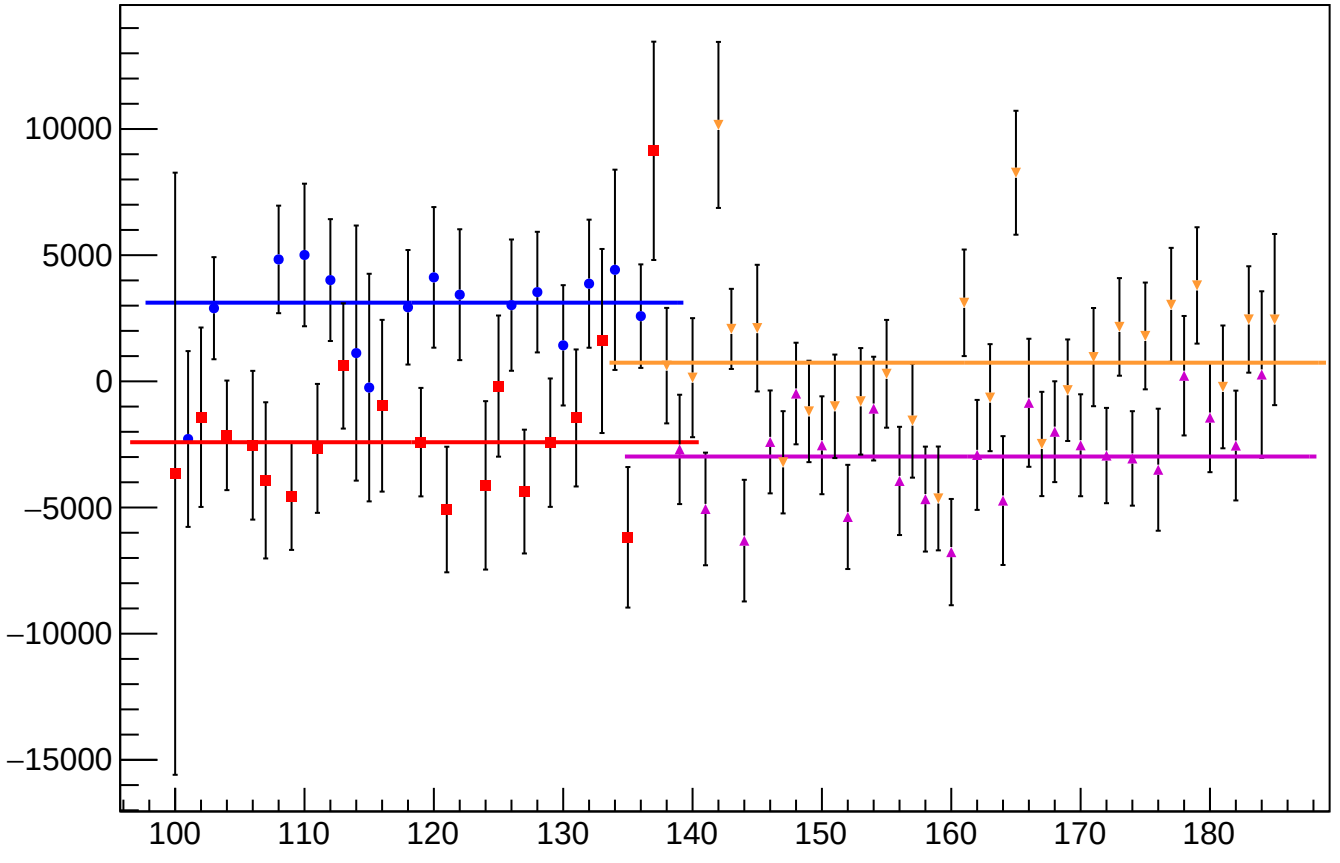
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8343.892+/-1.184 χ^2/NDF: 2964278.3/40

All: 8296.366+/-0.838 χ^2/NDF: 6055836.7/82

- sign 8248.553+/-1.187 χ^2/NDF: 3088325.0/41

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

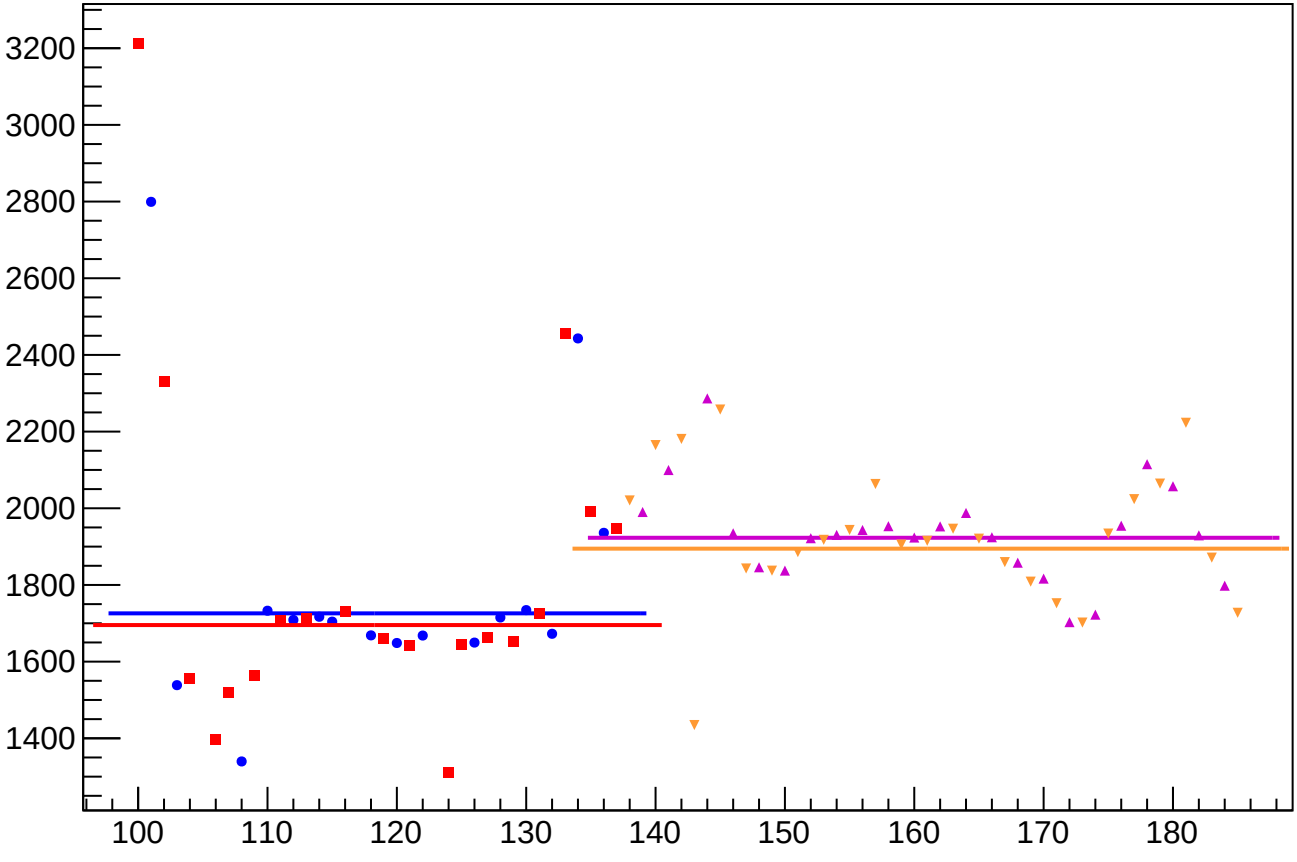
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1468.173+/-360.483 χ^2/NDF: 56.2/40

All: -616.917+/-257.554 χ^2/NDF: 156.7/82

- 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: 1894.687+/-0.306 χ^2/NDF:368594.6/24

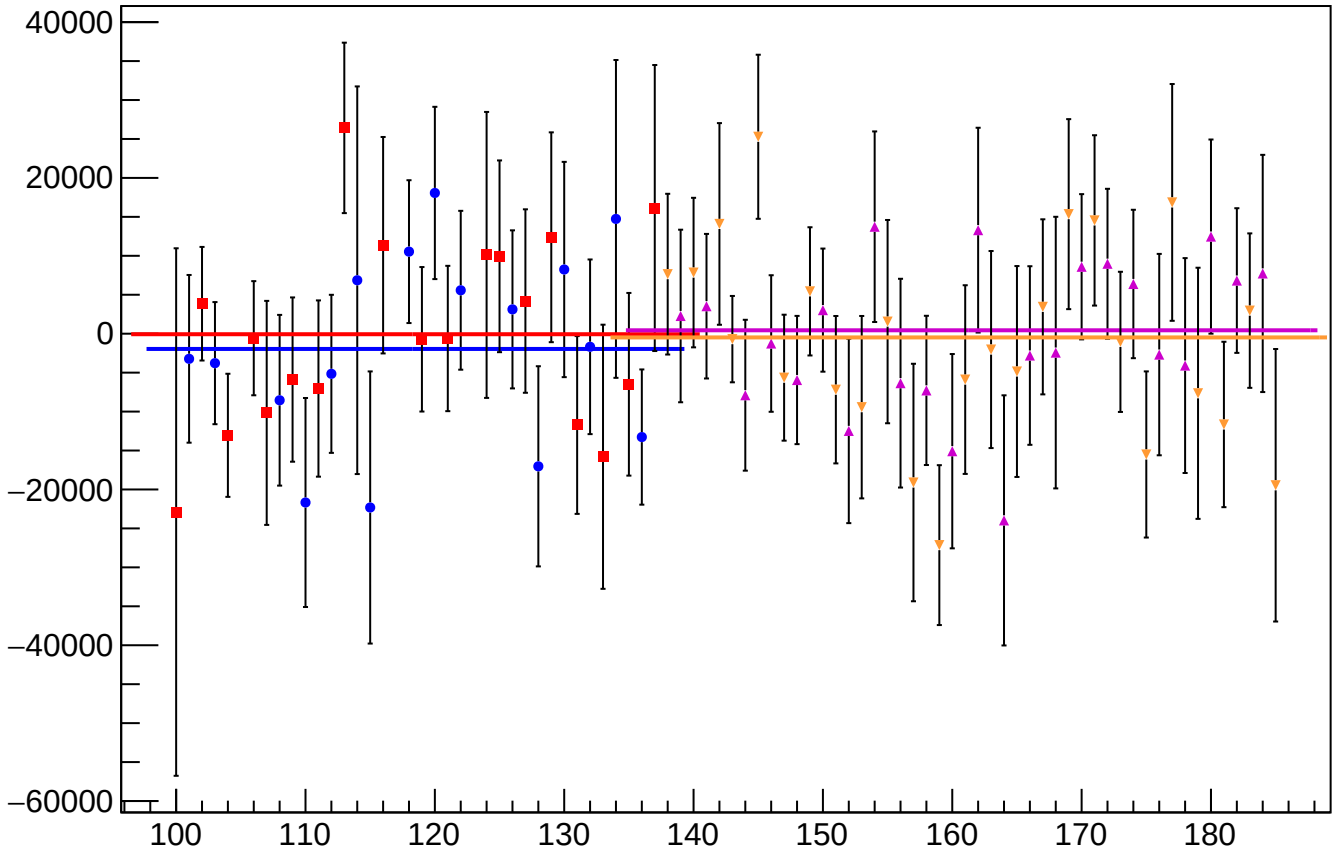
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1842.955+/-0.255 χ^2/NDF: 827424.7/40

All: 1845.160+/-0.182 χ^2/NDF: 1433874.0/82

- sign 1847.459+/-0.260 χ^2/NDF: 606296.4/41



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

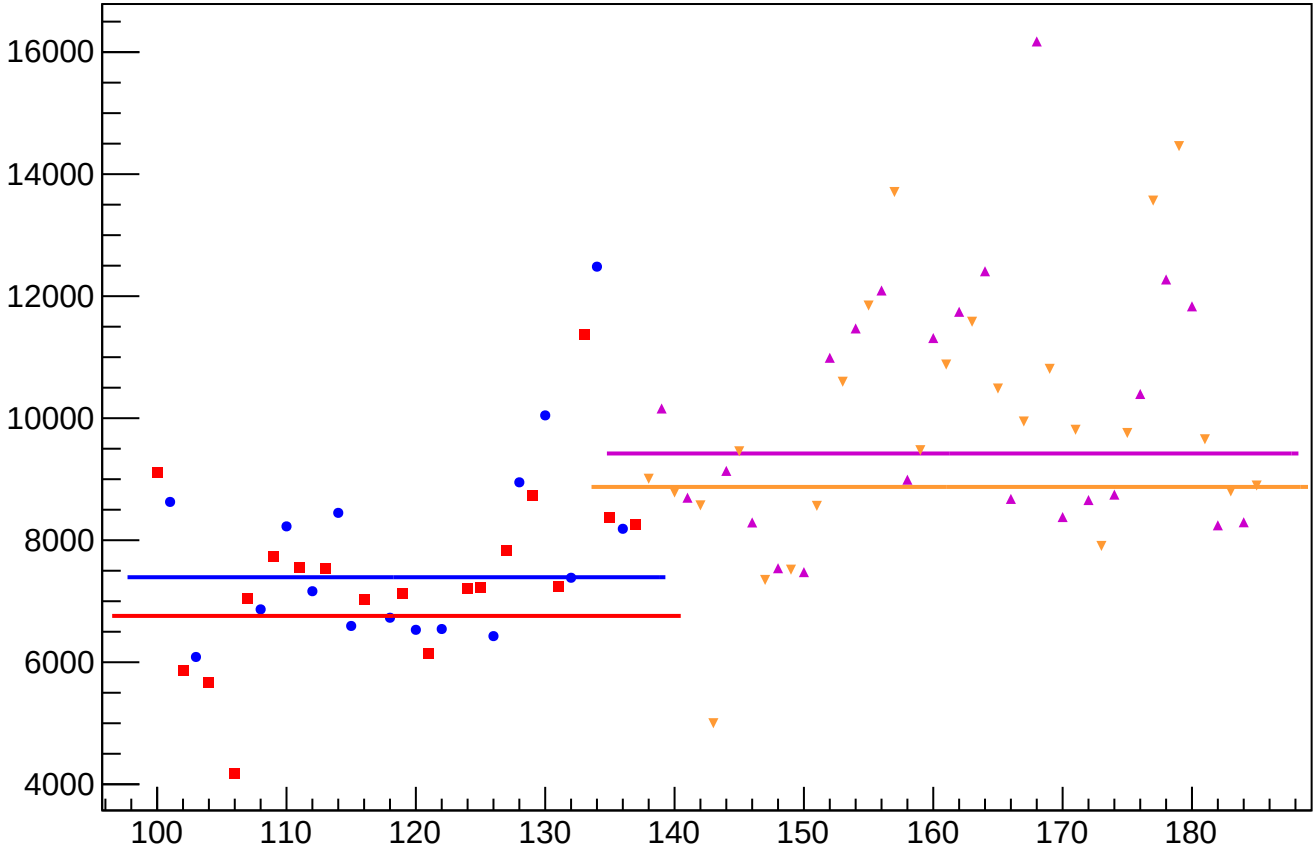
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -1008.770+/-1674.111 χ^2/NDF: 43.4/40

All: -399.104+/-1185.554 χ^2/NDF: 73.3/82

- 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: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

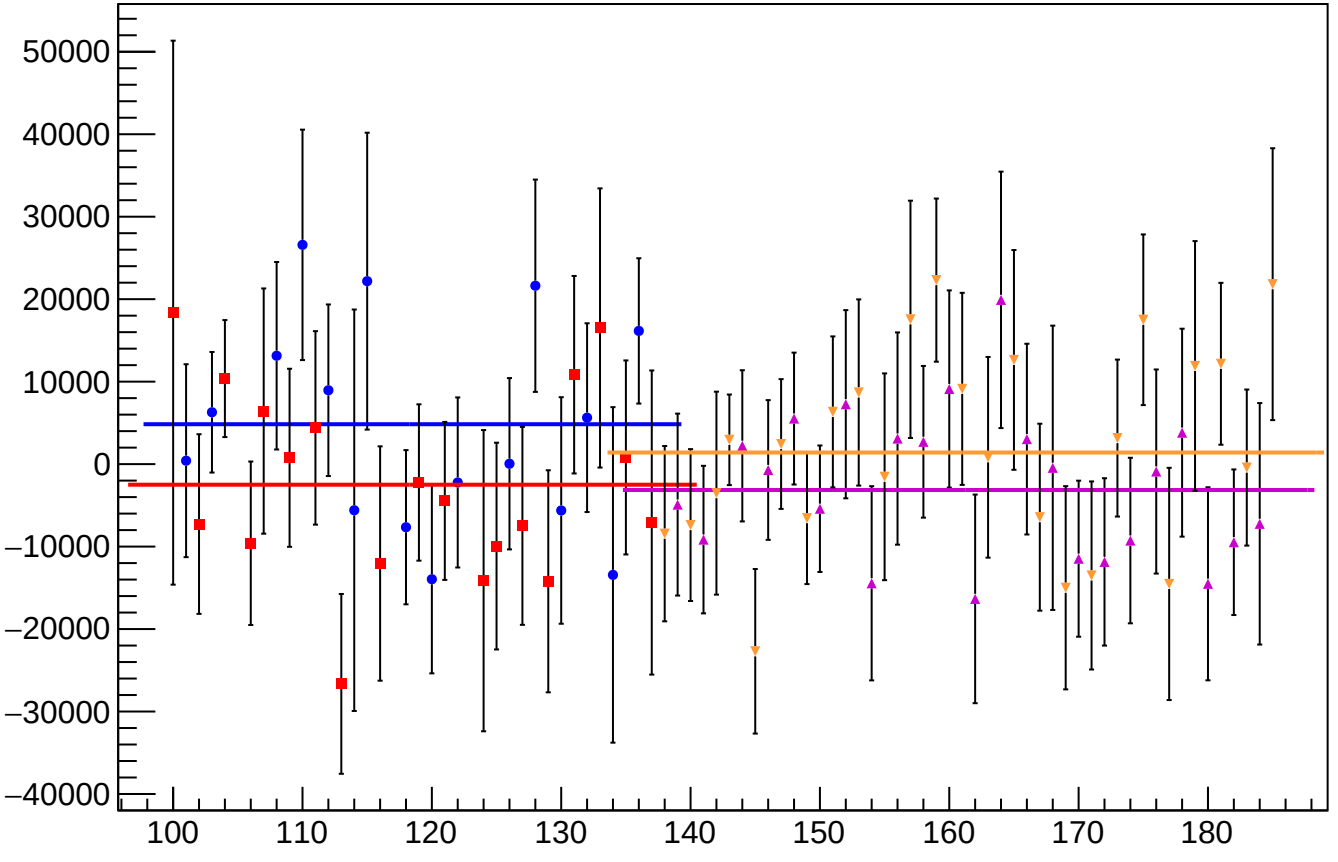
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8343.893+/-1.184 χ^2/NDF: 2964298.2/40

All: 8296.365+/-0.838 χ^2/NDF: 6055887.4/82

- 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: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

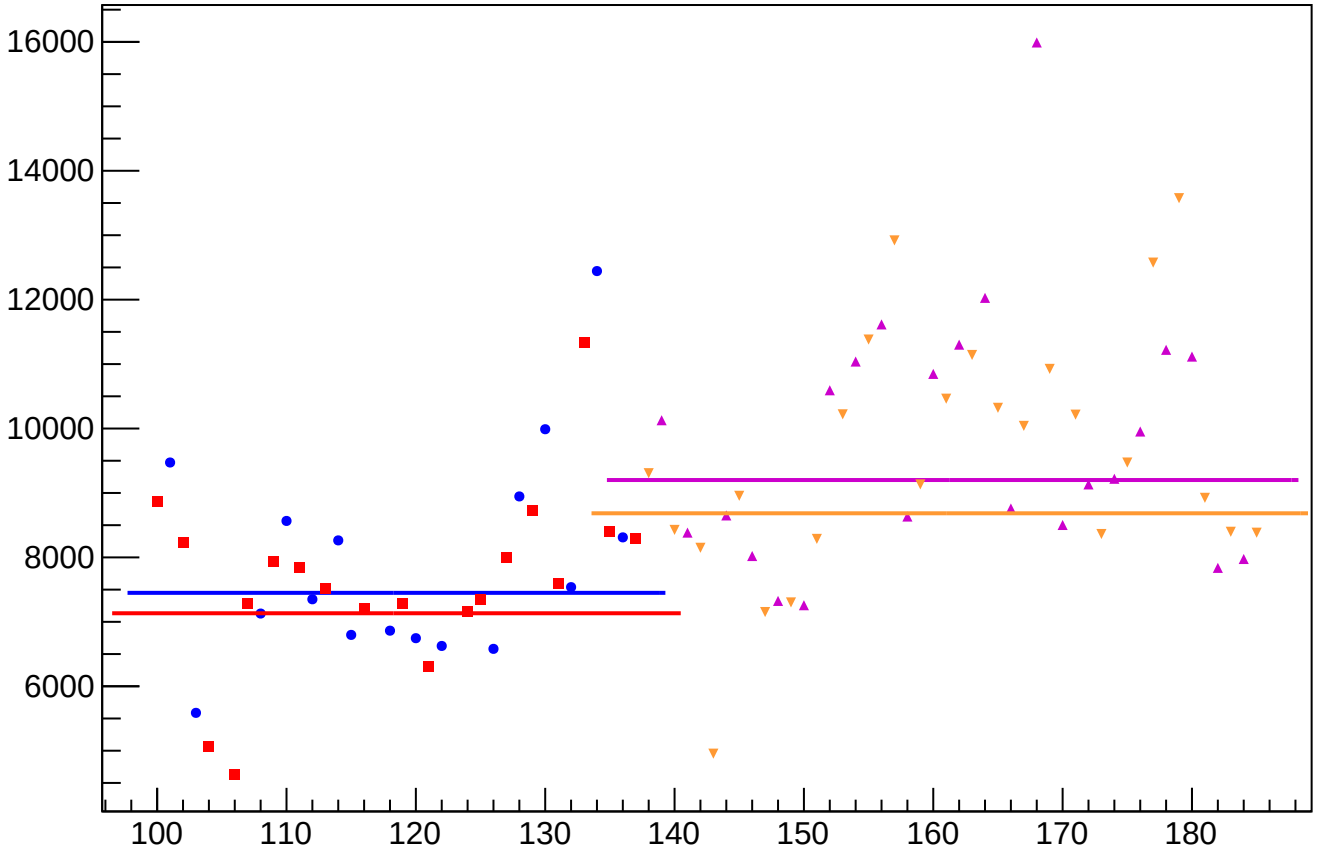
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2581.526+/-1654.598 χ^2/NDF: 42.7/40

All: -77.879+/-1185.526 χ^2/NDF: 76.0/82

- 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: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

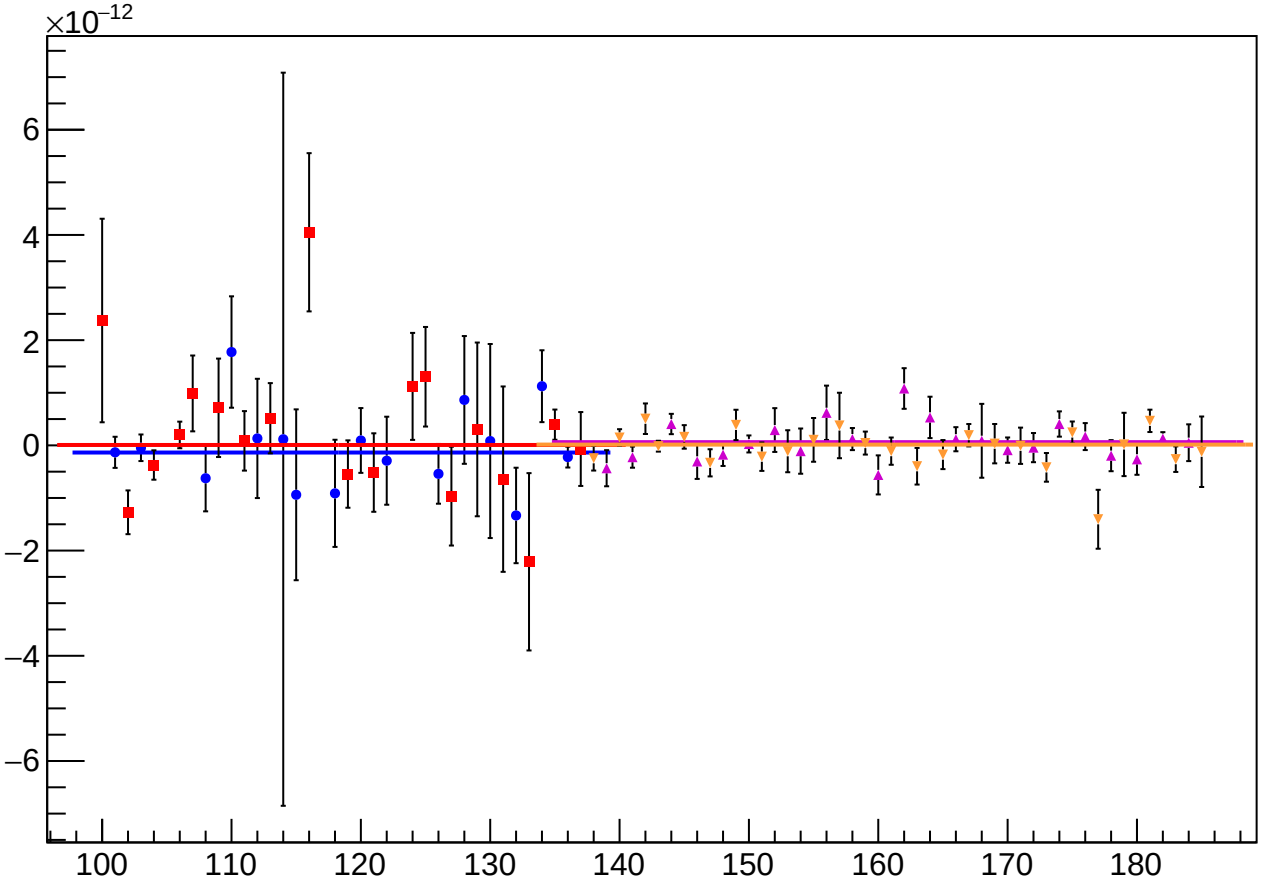
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8262.208+/-1.170 χ^2/NDF: 2788652.6/40

All: 8318.953+/-0.838 χ^2/NDF: 5188987.8/82

- 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:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

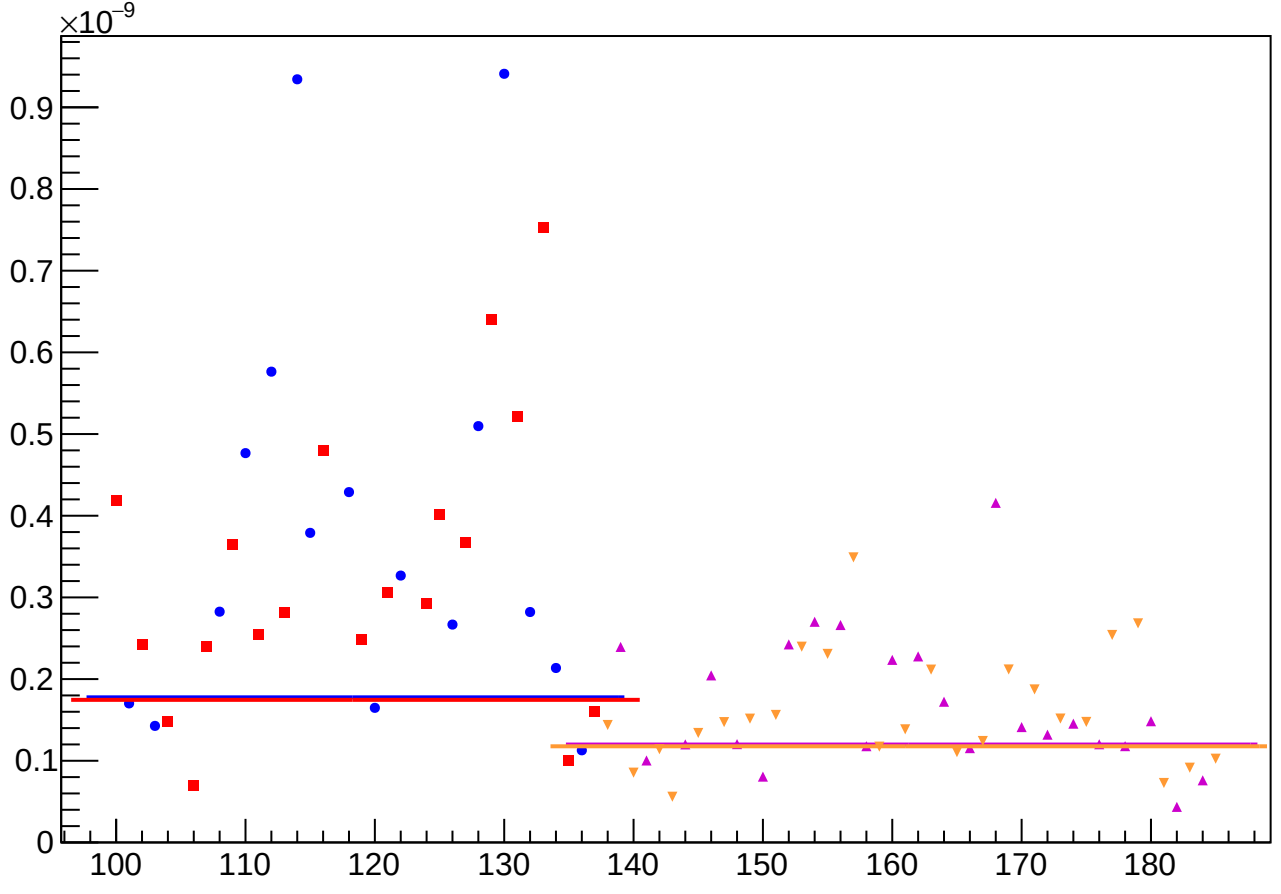
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/40

All: 0.000+/-0.000 χ^2/NDF: 103.3/82

- sign 0.000+/-0.000 χ^2/NDF: 60.7/41

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

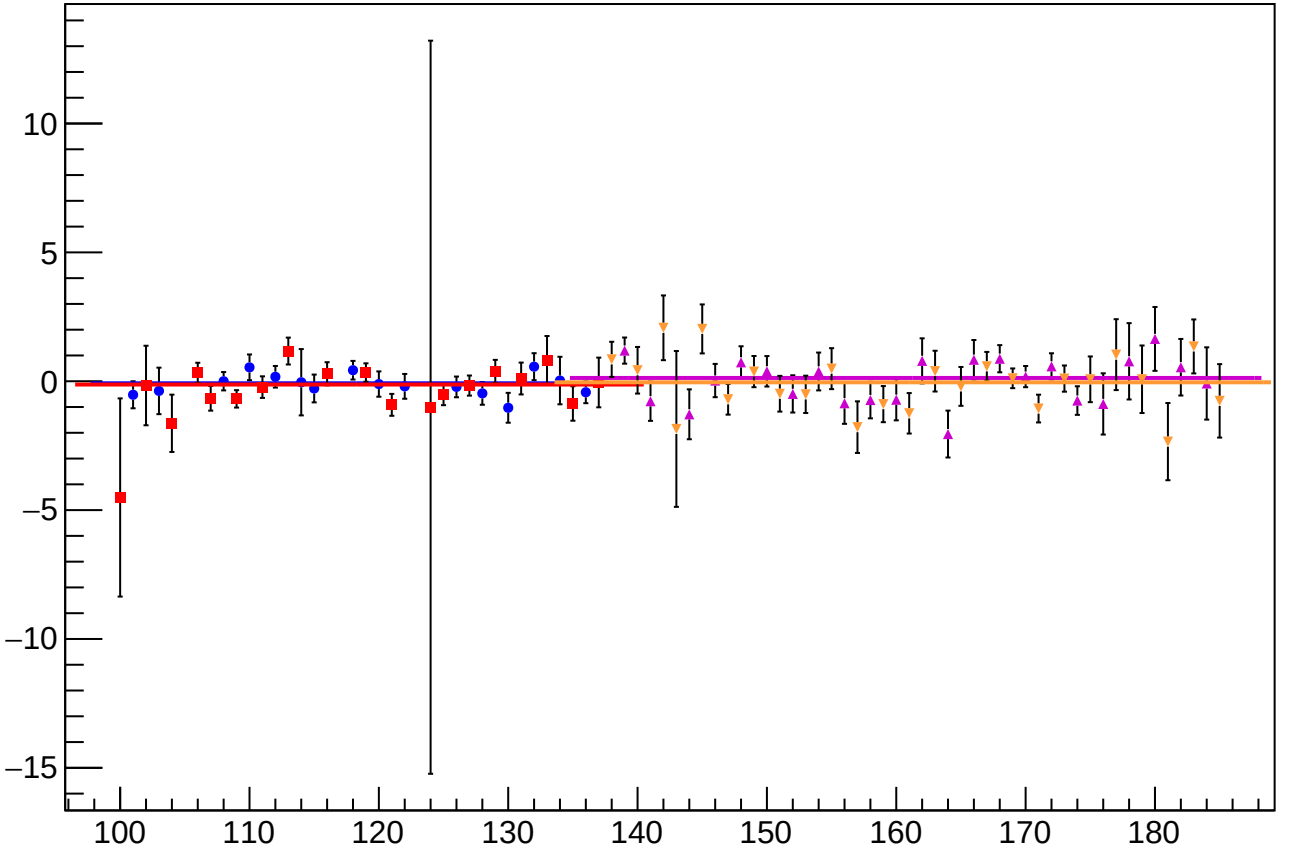
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4294516.7/40

All: 0.000+/-0.000 χ^2/NDF: 8933816.6/82

- sign 0.000+/-0.000 χ^2/NDF: 4637681.4/41

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

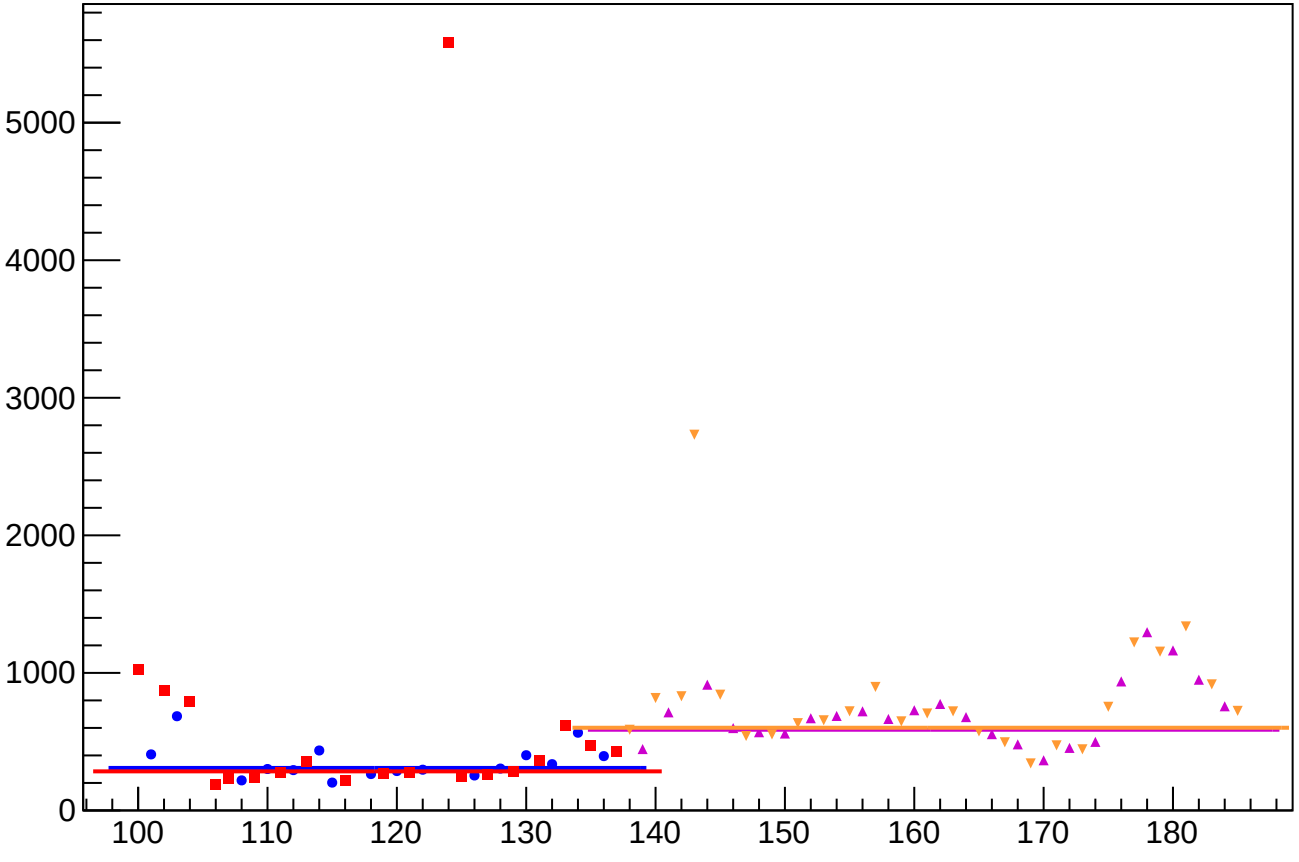
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.064+/-0.094 χ^2/NDF: 40.9/40

All: -0.045+/-0.065 χ^2/NDF: 97.2/82

- 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: 601.214+/-0.104 χ^2/NDF:4460456.7/24

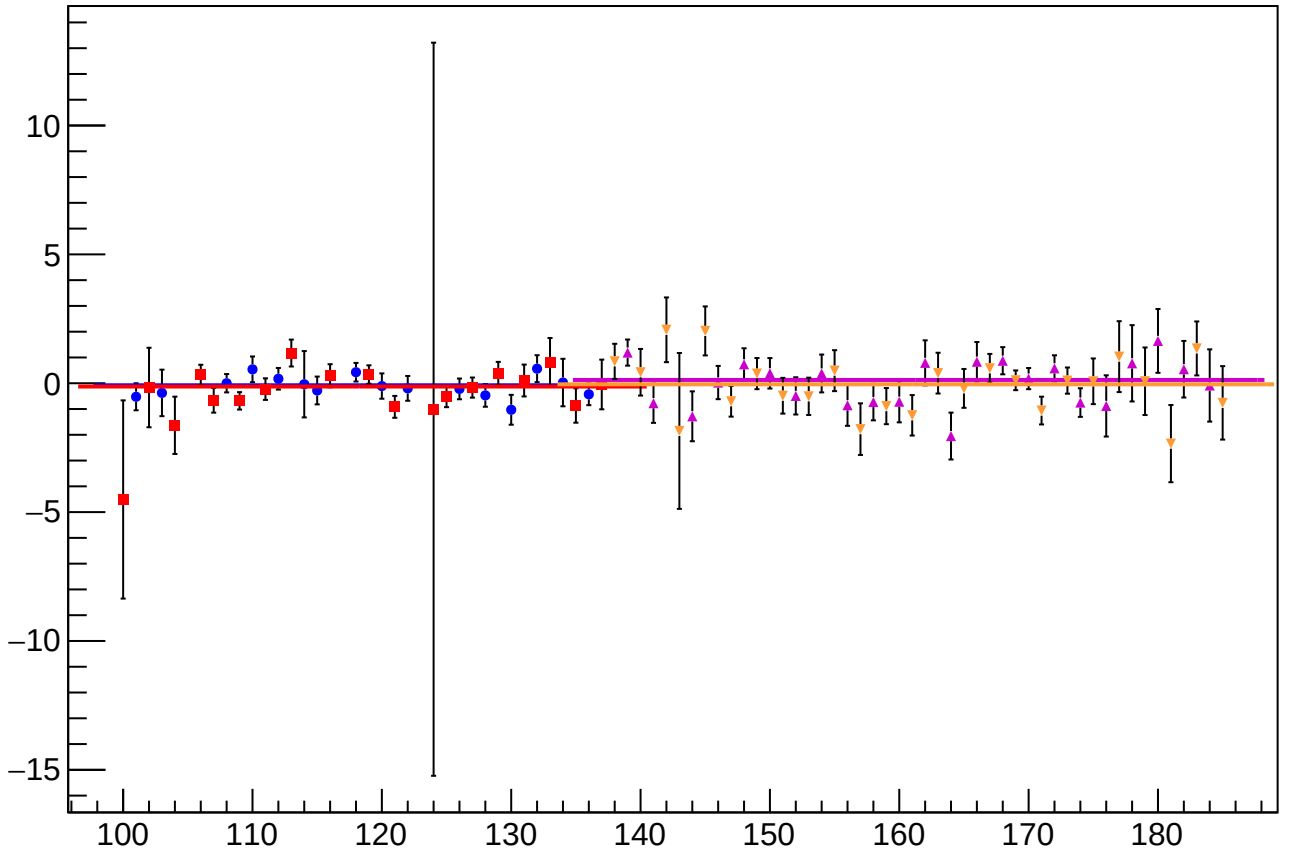
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 427.588+/-0.066 χ^2/NDF: 10136556.6/40

All: 415.022+/-0.046 χ^2/NDF: 20267779.0/82

- 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: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

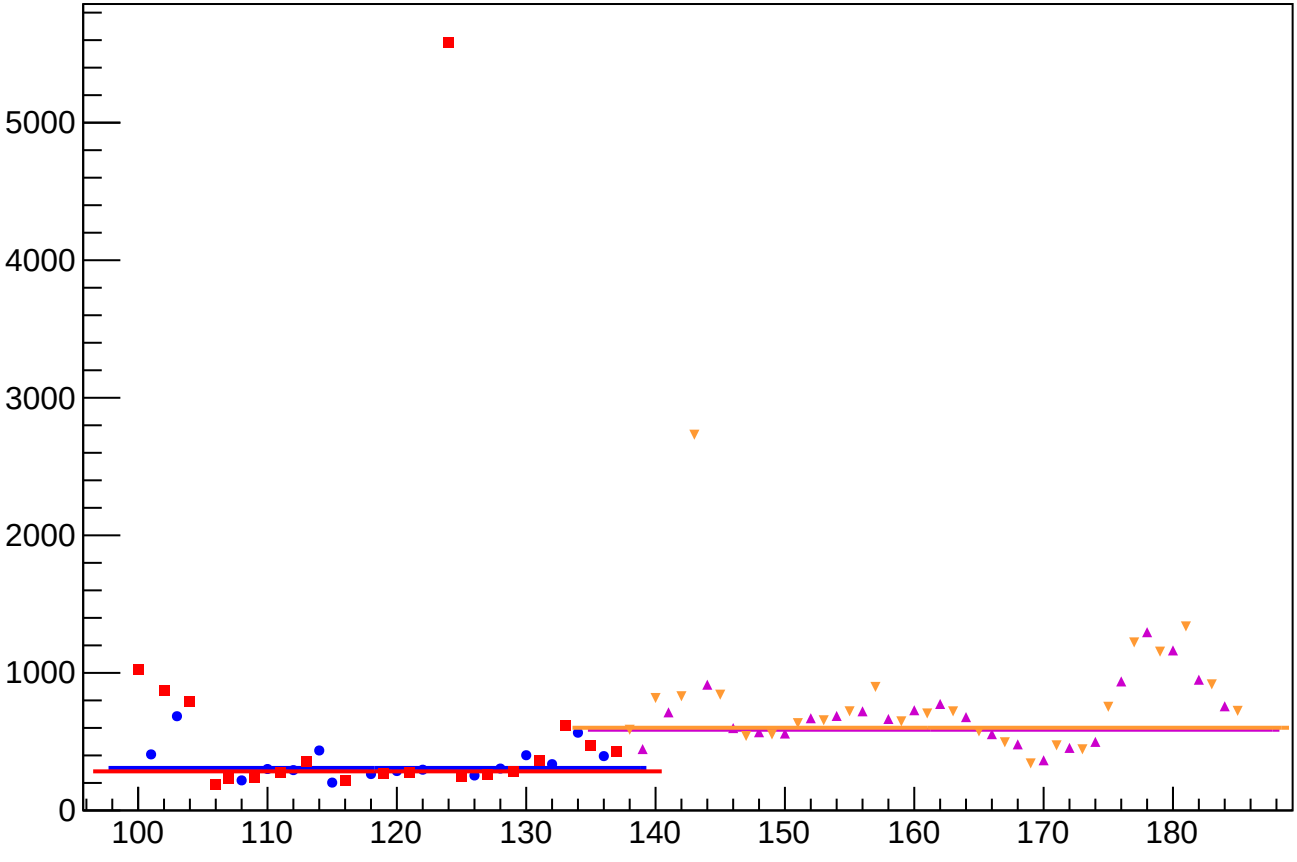
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.064+/-0.094 χ^2/NDF: 40.9/40

All: -0.045+/-0.065 χ^2/NDF: 97.2/82

- 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: 601.214+/-0.104 χ^2/NDF:4460456.7/24

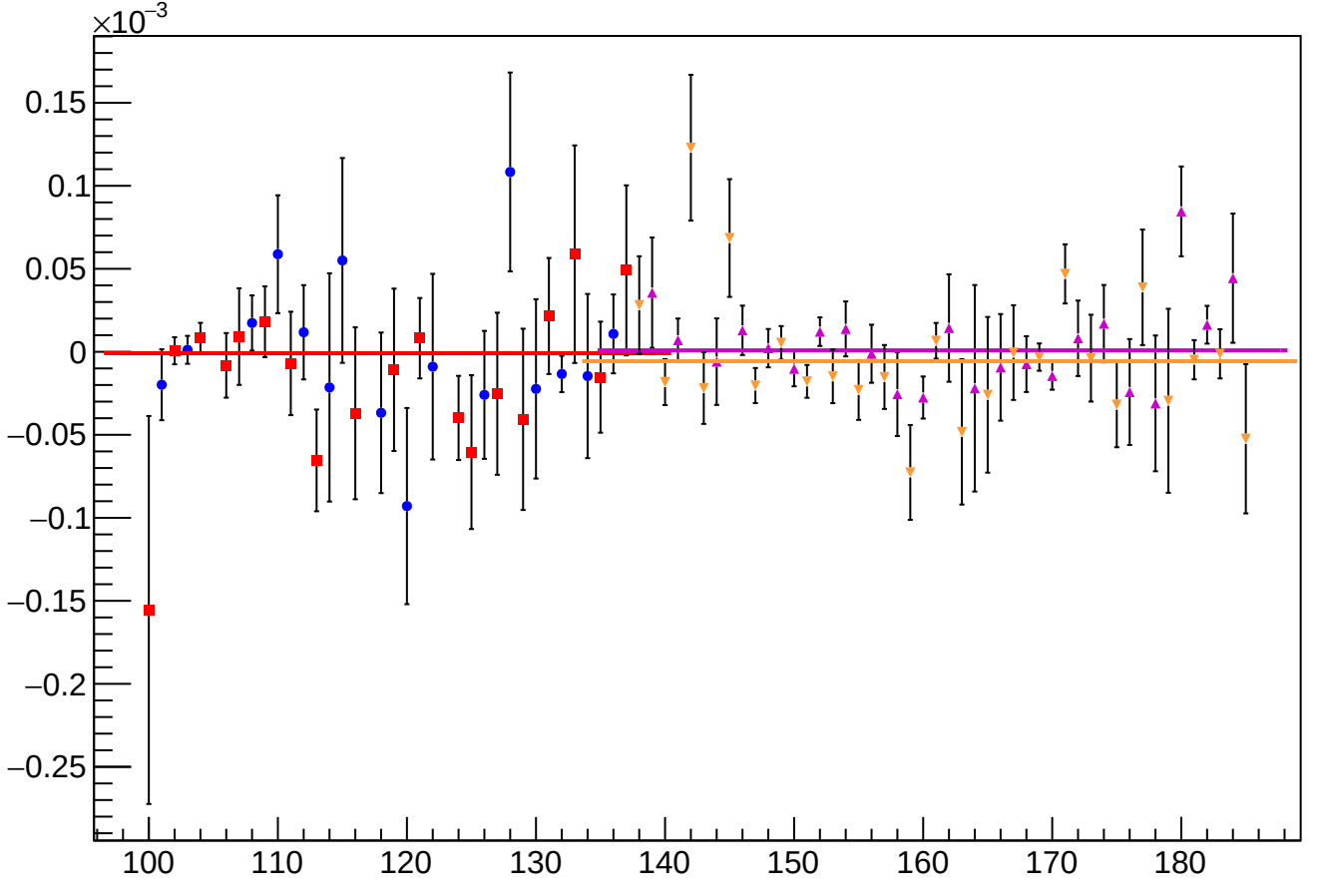
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 427.588+/-0.066 χ^2/NDF: 10136556.6/40

All: 415.022+/-0.046 χ^2/NDF: 20267779.0/82

- 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:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

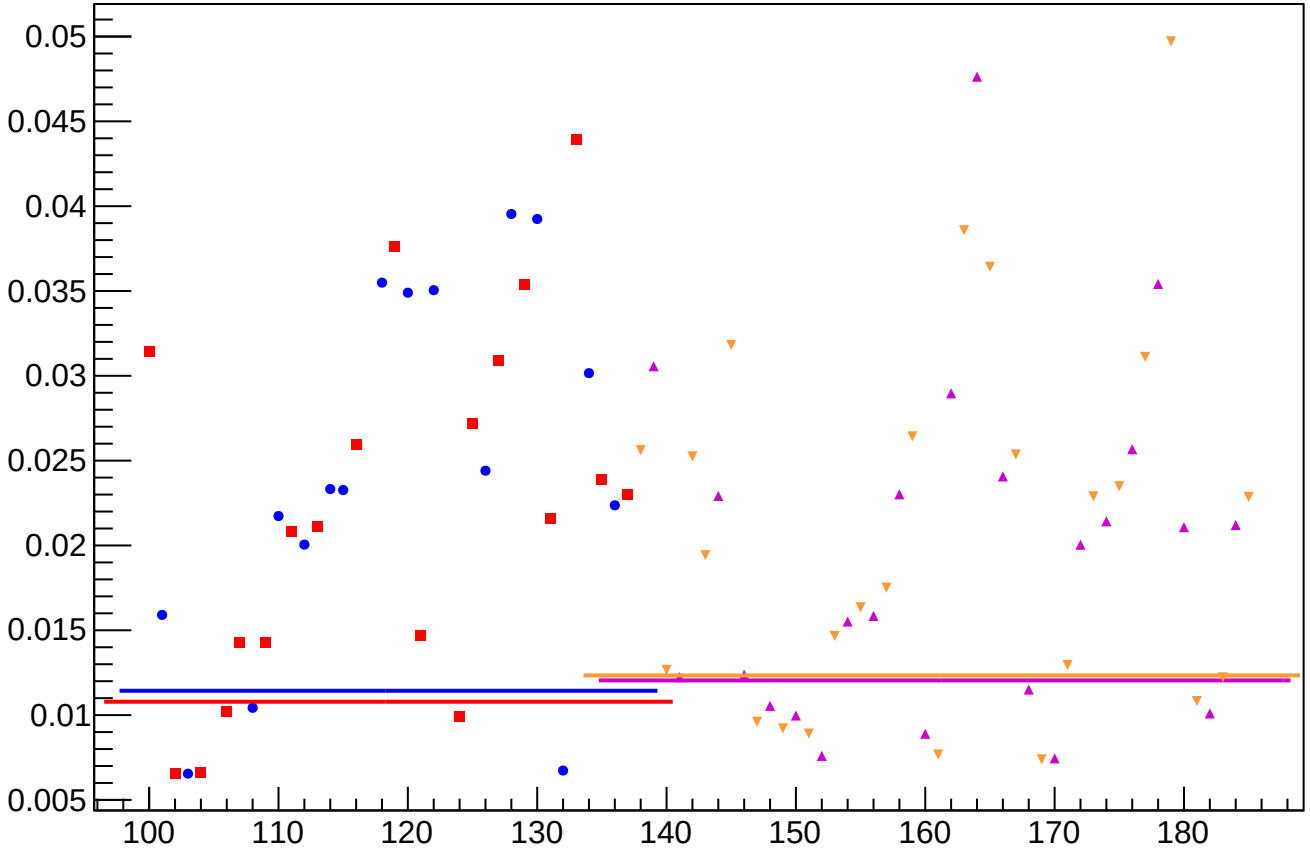
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/40

All: -0.000+/-0.000 χ^2/NDF: 105.6/82

- sign 0.000+/-0.000 χ^2/NDF: 46.4/41

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

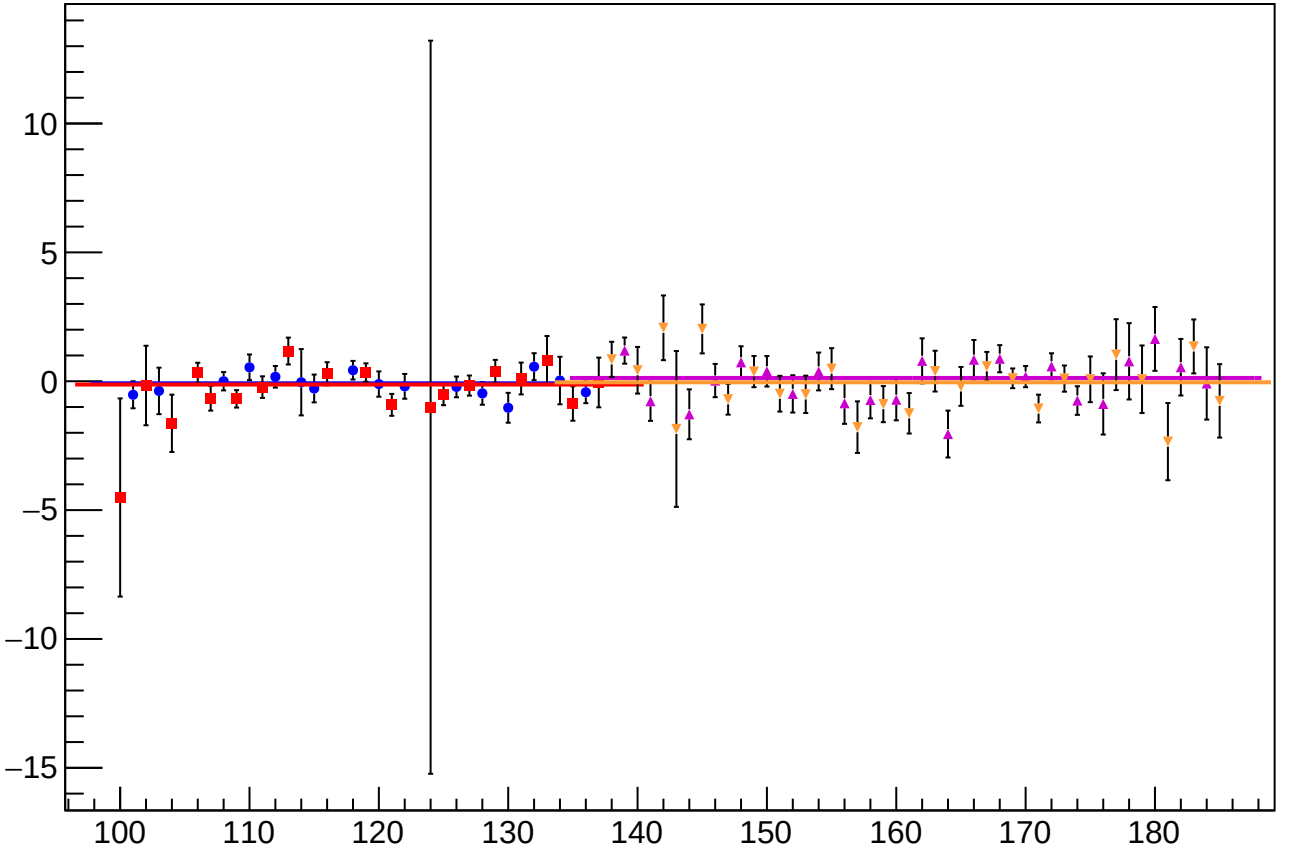
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 12581248.0/40

All: 0.012+/-0.000 χ^2/NDF: 23552765.8/82

- sign 0.012+/-0.000 χ^2/NDF: 10945335.0/41

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

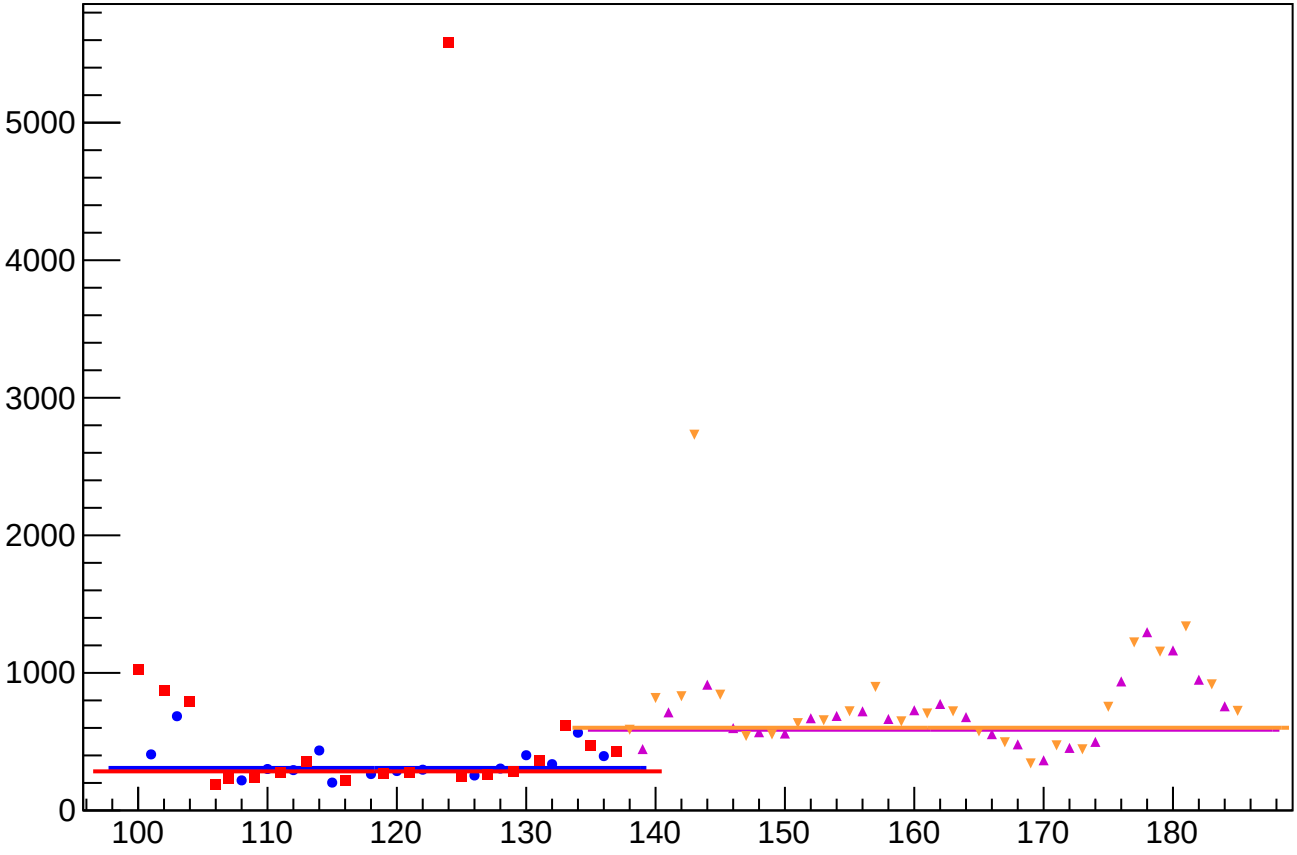
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.064+/-0.094 χ^2/NDF: 40.9/40

All: -0.045+/-0.065 χ^2/NDF: 97.2/82

- 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: 601.214+/-0.104 χ^2/NDF:4460662.1/24

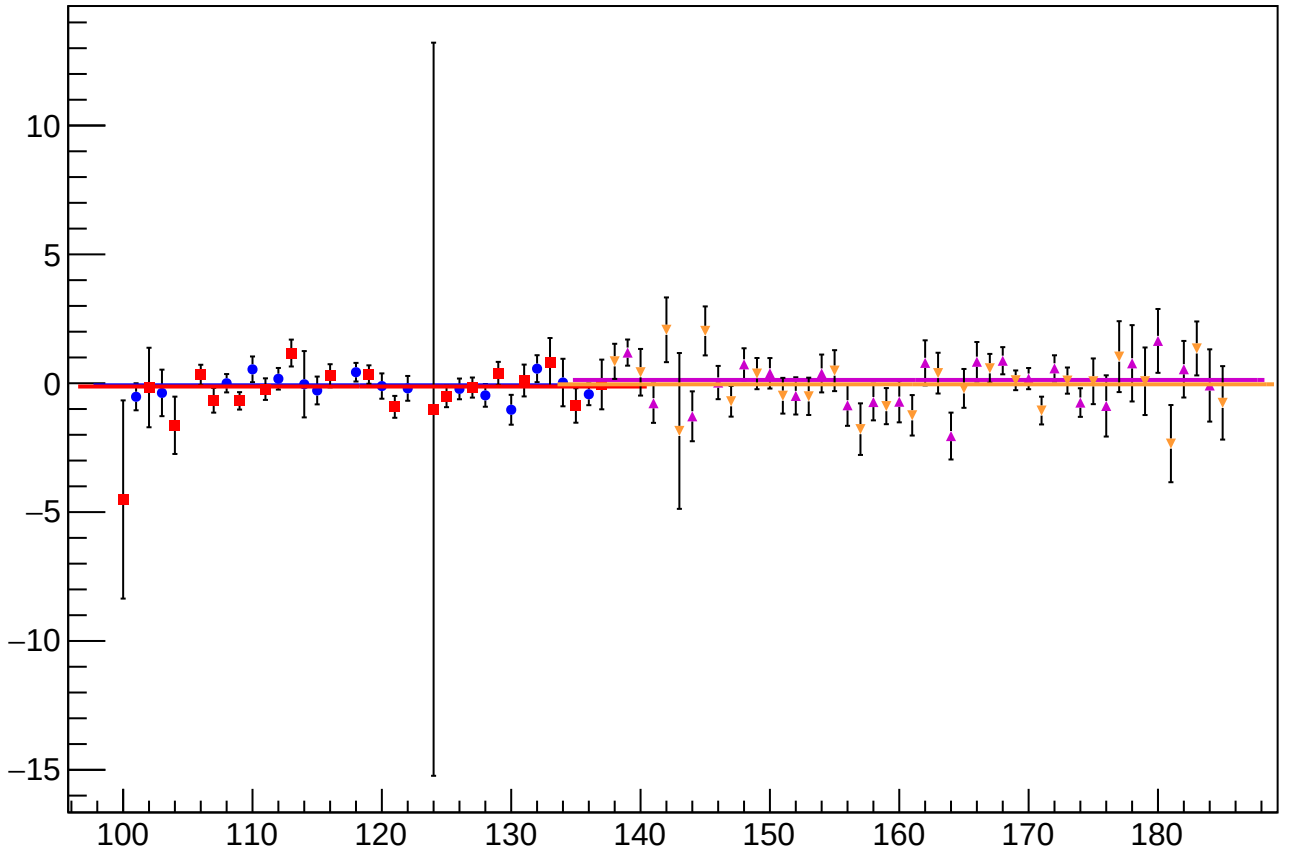
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 427.587+/-0.066 χ^2/NDF: 10136755.6/40

All: 415.021+/-0.046 χ^2/NDF: 20268171.5/82

- 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: -0.041+/-0.148 χ^2/NDF:30.1/24

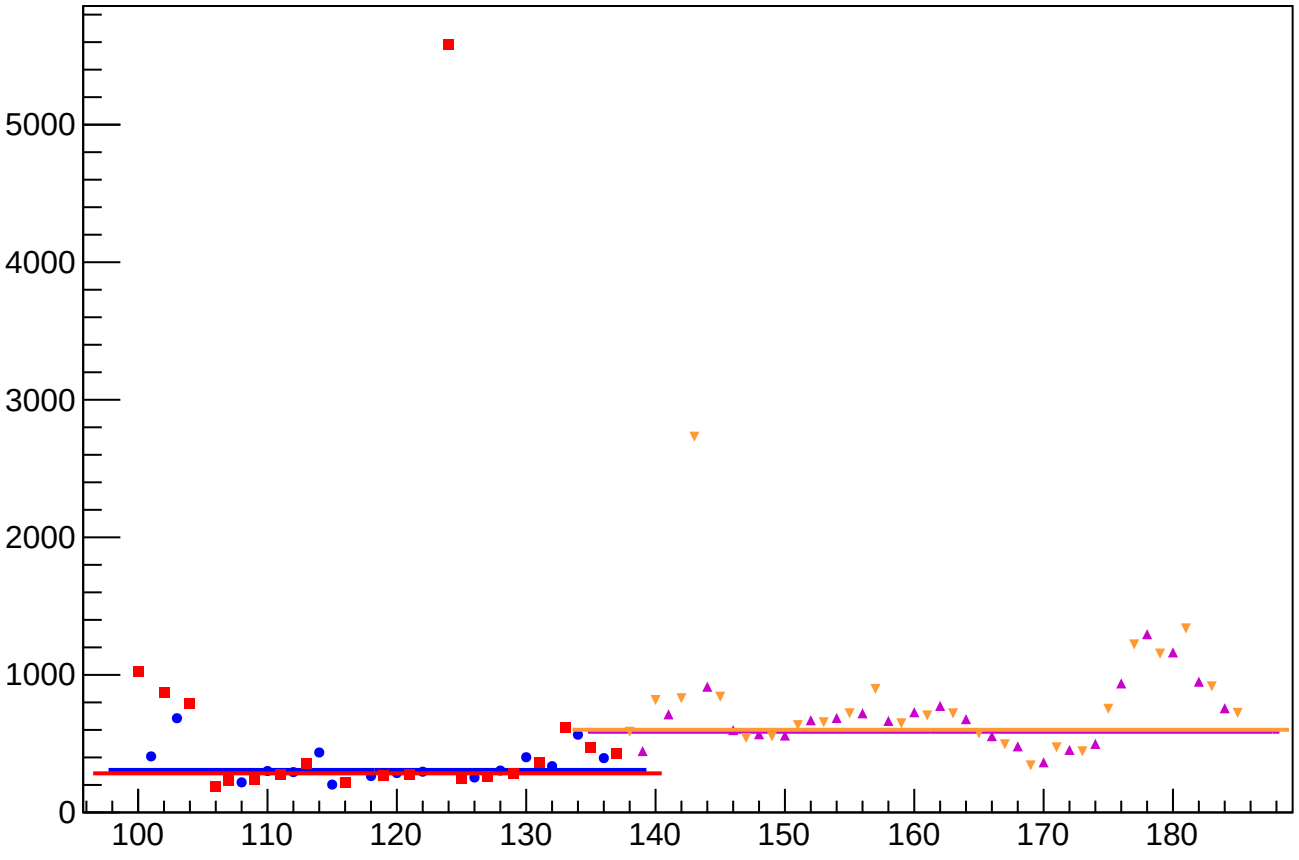
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.064+/-0.094 χ^2/NDF: 40.9/40

All: -0.045+/-0.065 χ^2/NDF: 97.2/82

- 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: 601.214+/-0.104 χ^2/NDF:4460662.1/24

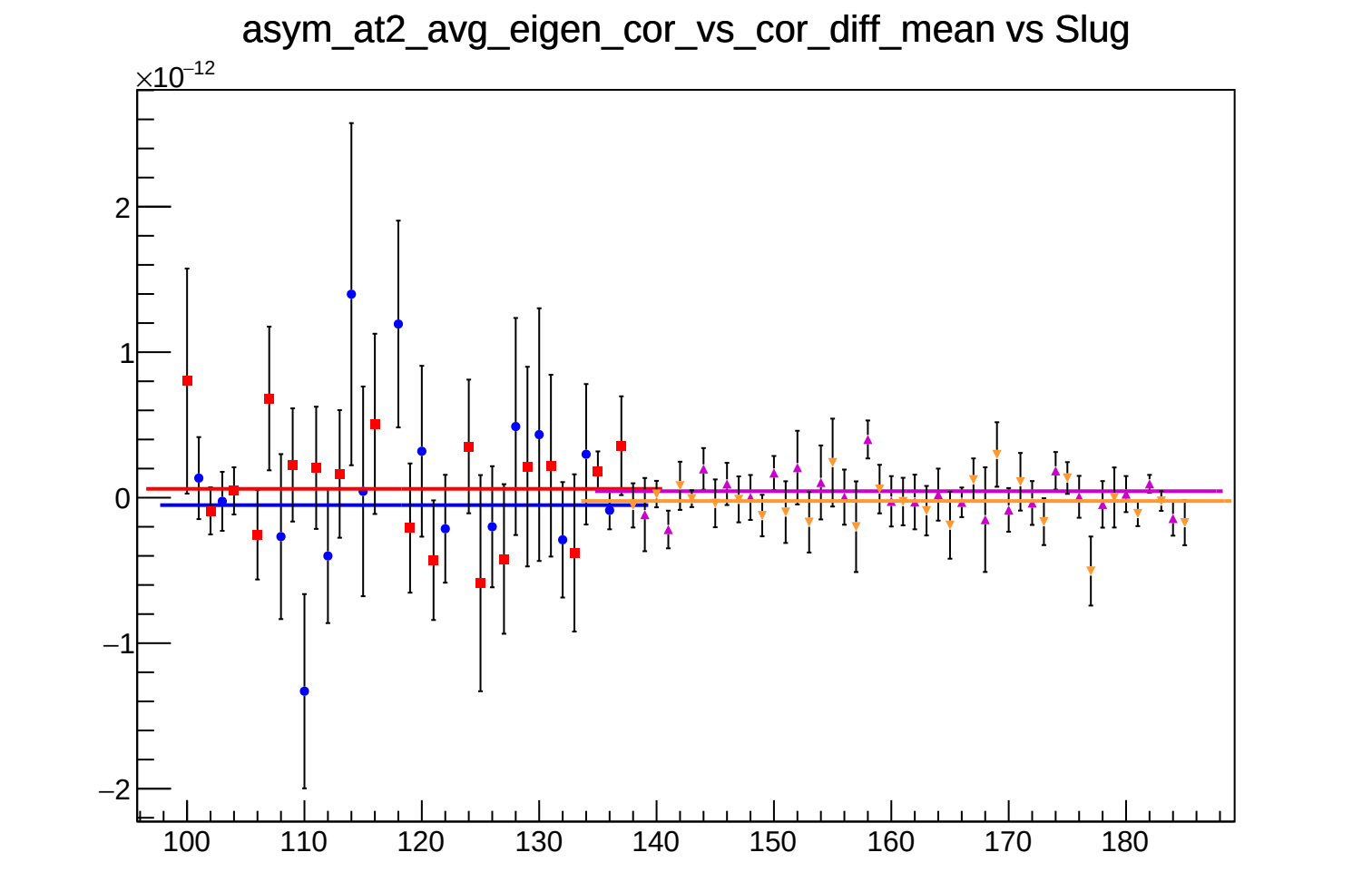
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 427.587+/-0.066 χ^2/NDF: 10136755.6/40

All: 415.021+/-0.046 χ^2/NDF: 20268171.5/82

- sign 403.217+/-0.064 χ^2/NDF: 10062034.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

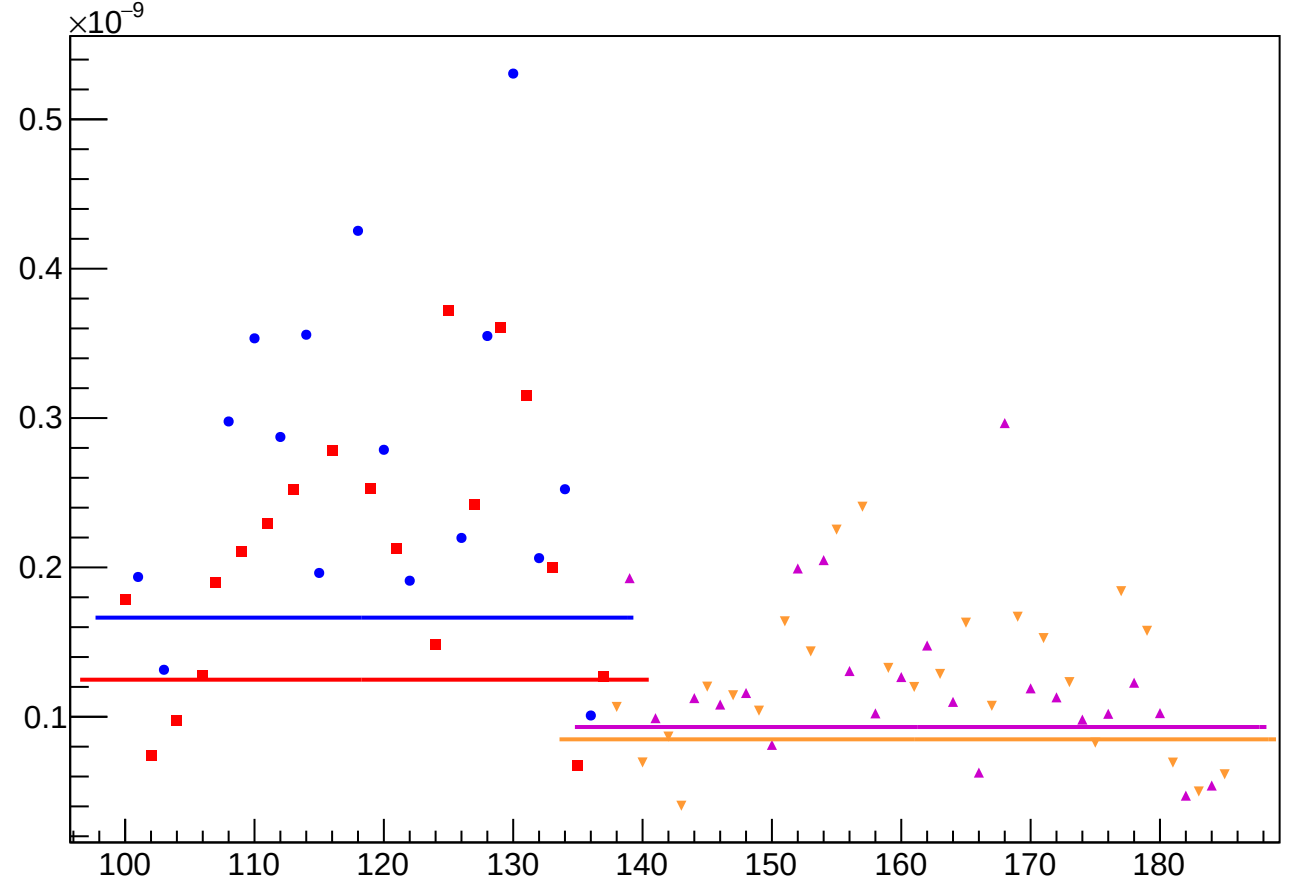
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/40

All: 0.000+/-0.000 χ^2/NDF: 65.9/82

- 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:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

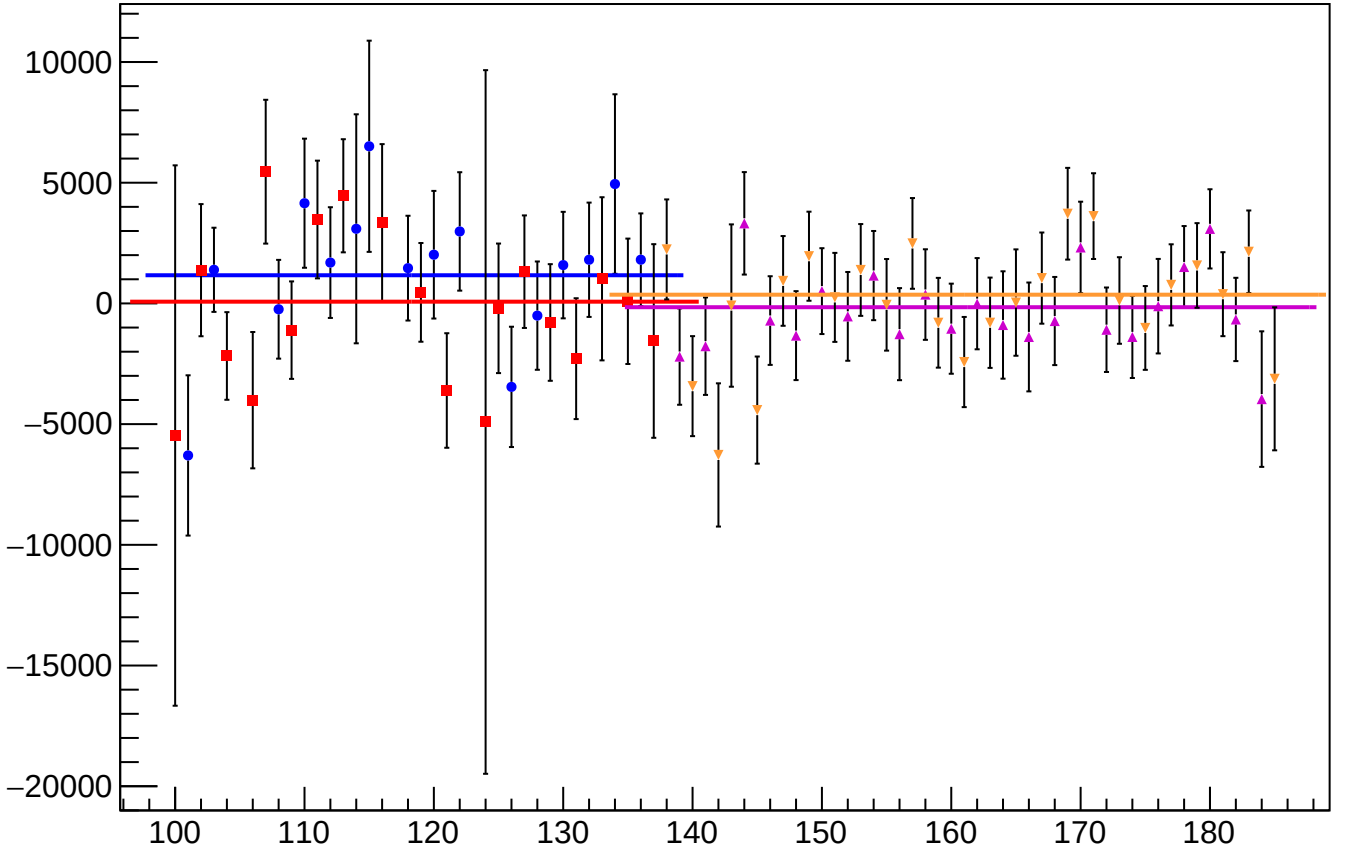
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9063043.7/40

All: 0.000+/-0.000 χ^2/NDF: 15541598.1/82

- 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: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

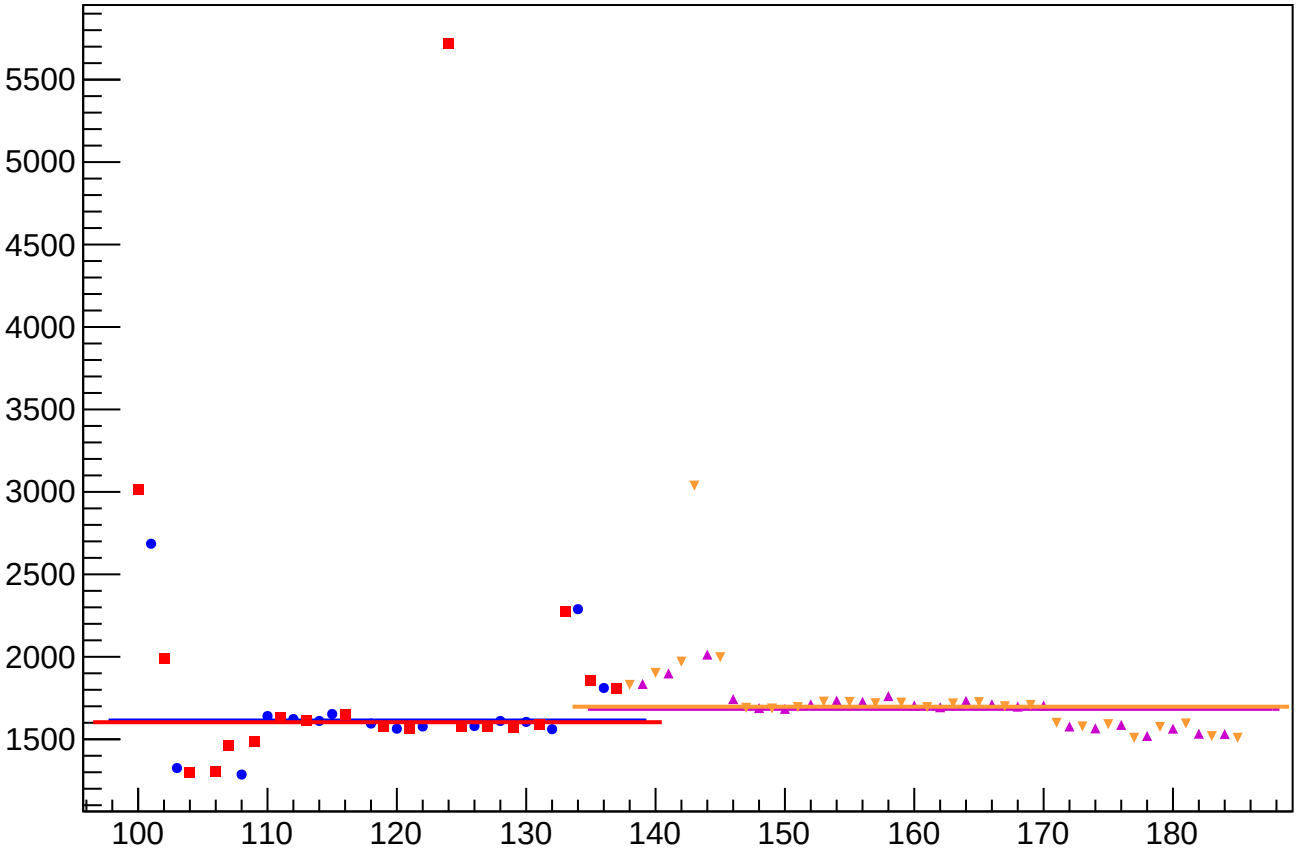
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 594.143+/-327.335 χ^2/NDF: 45.2/40

All: 255.661+/-232.413 χ^2/NDF: 81.8/82

- 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: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

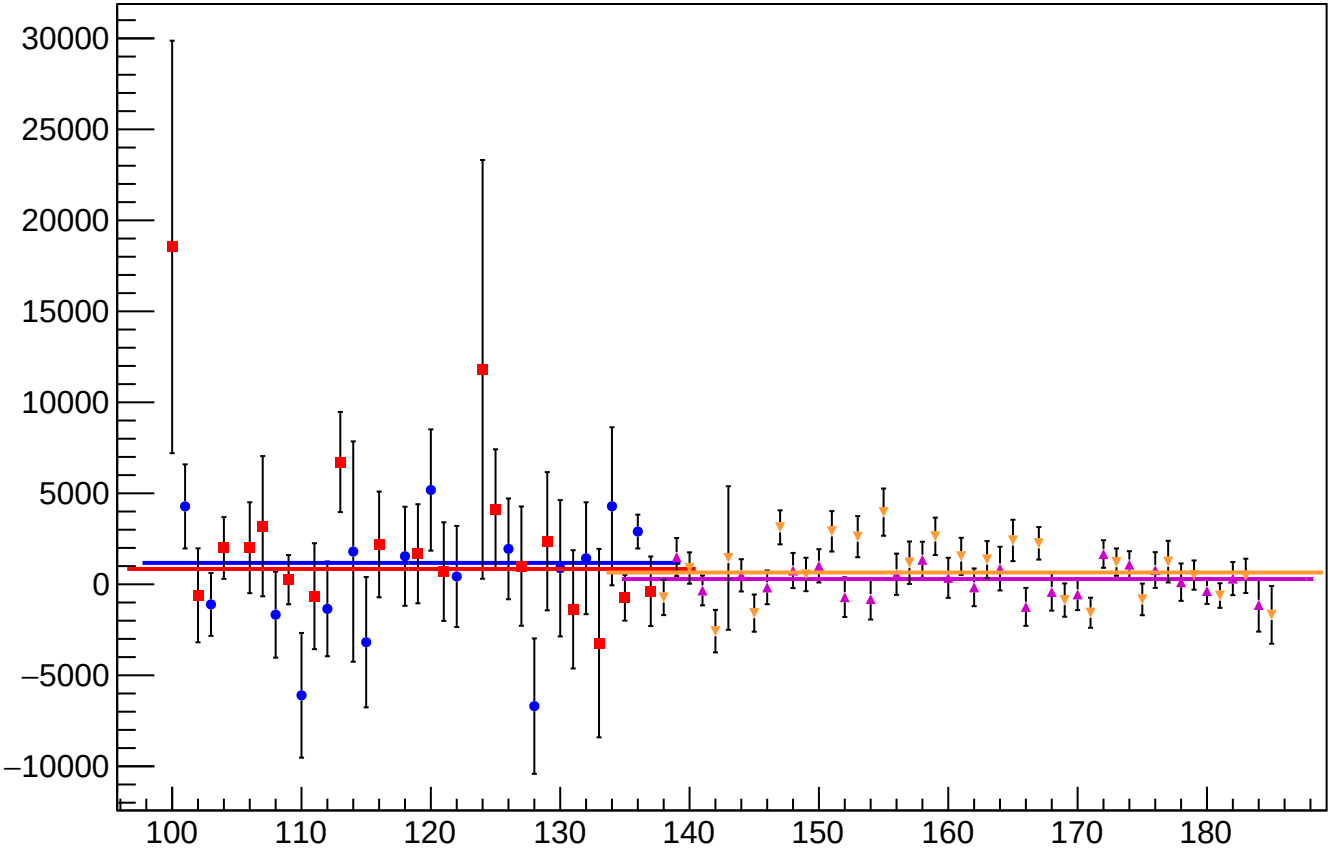
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1673.293+/-0.231 χ^2/NDF: 927020.0/40

All: 1666.853+/-0.164 χ^2/NDF: 1545060.2/82

- 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: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

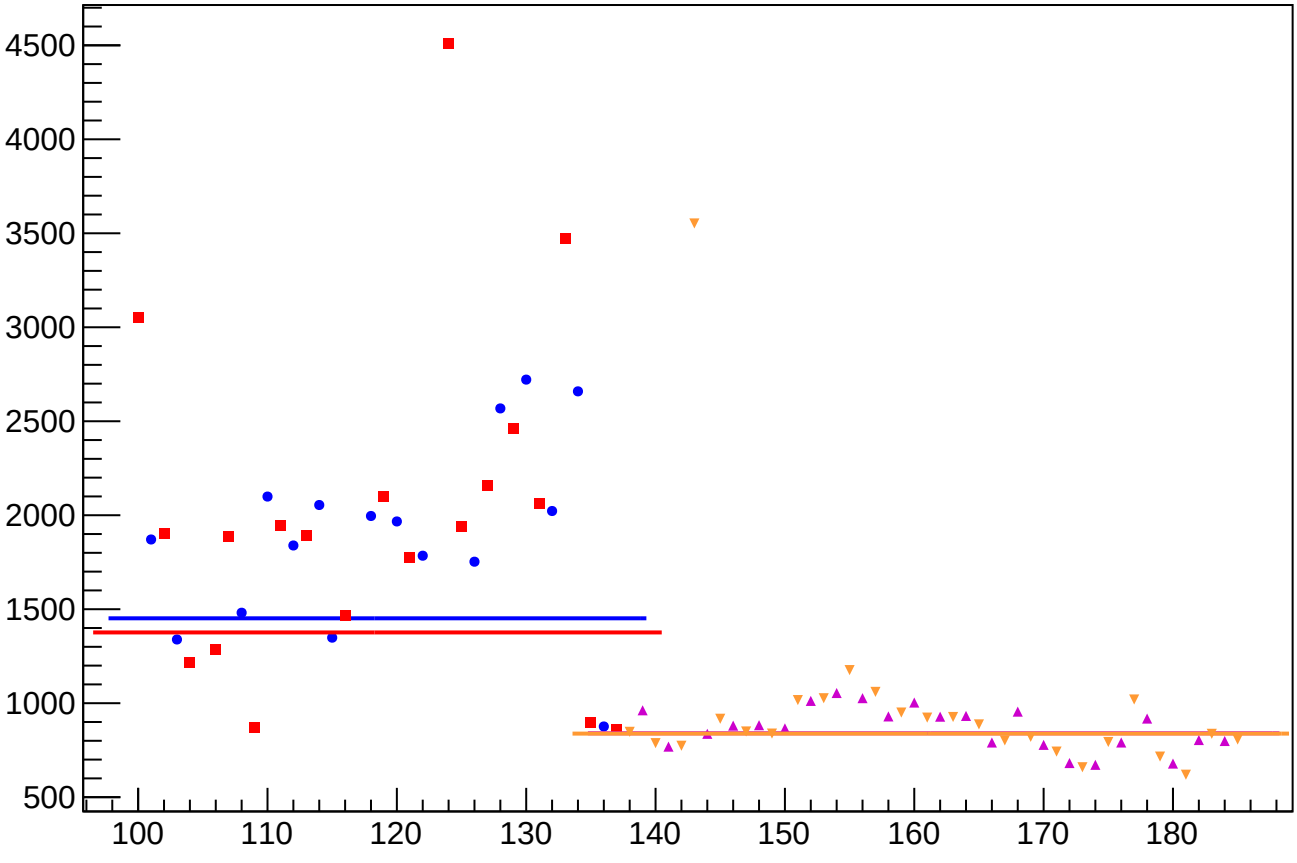
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 703.102+/-185.373 χ^2/NDF: 88.3/40

All: 528.630+/-131.648 χ^2/NDF: 121.7/82

- 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: 838.243+/-0.138 χ^2/NDF:1800245.5/24

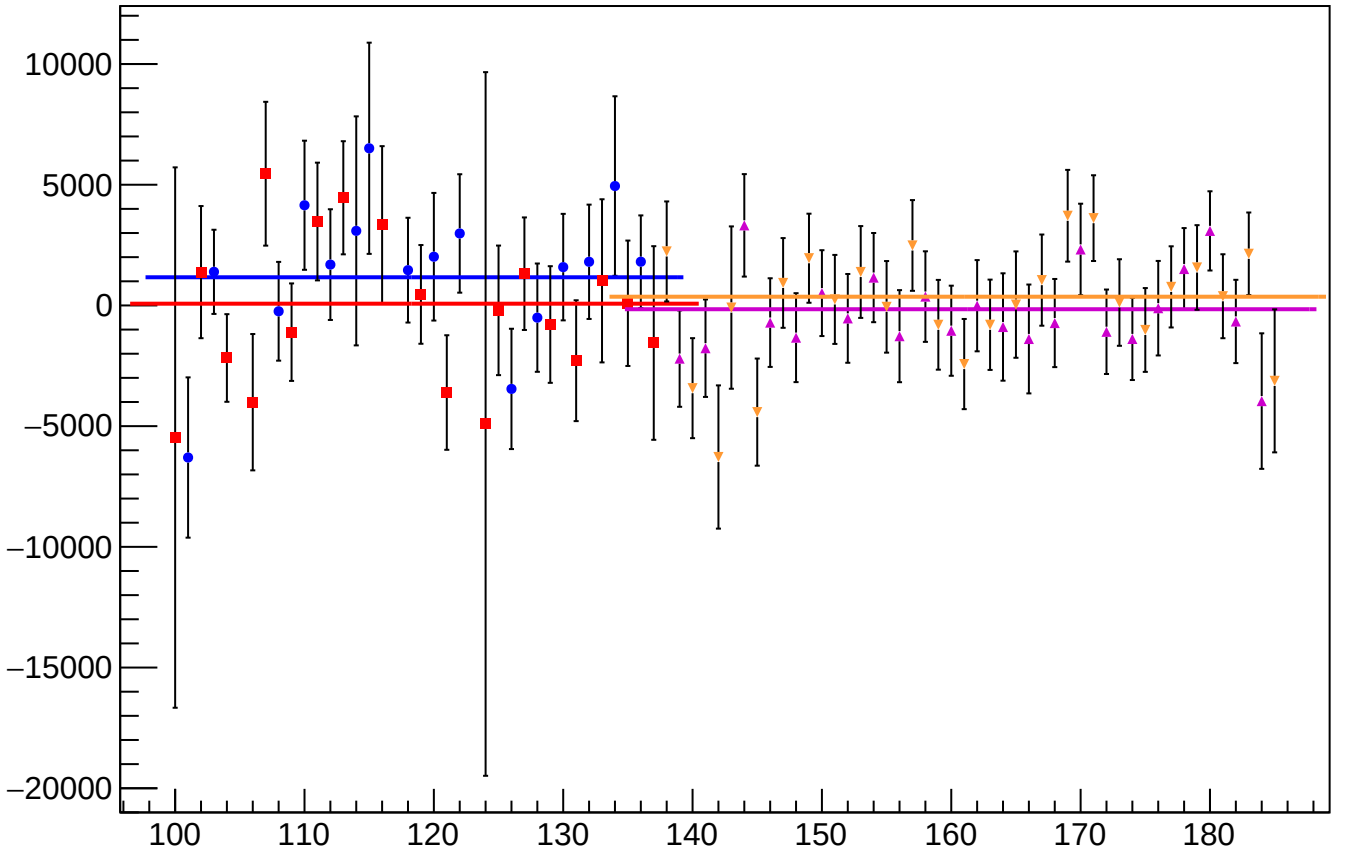
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 901.103+/-0.131 χ^2/NDF: 5605247.2/40

All: 900.728+/-0.093 χ^2/NDF: 10050729.6/82

- 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: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

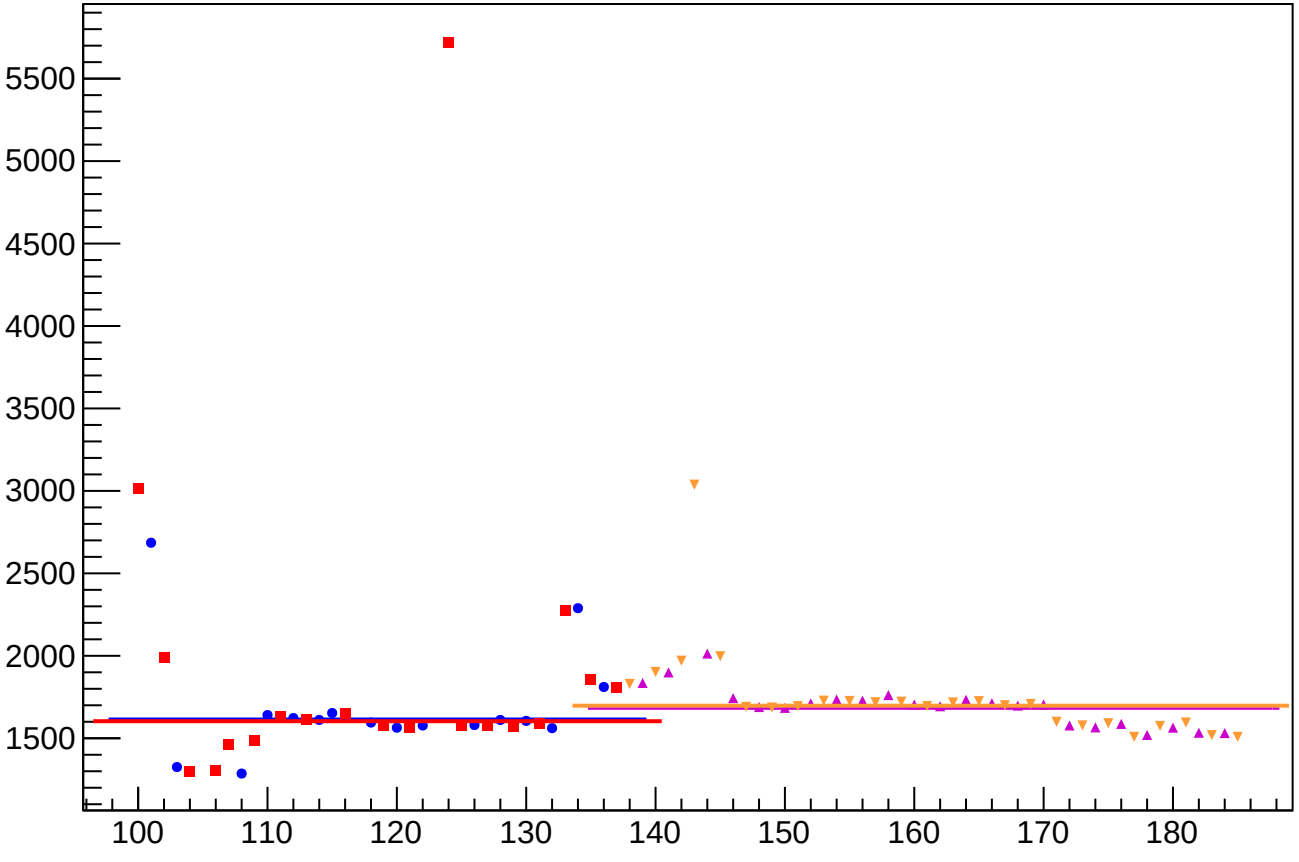
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.056+/-327.335 χ^2/NDF: 45.3/40

All: 255.697+/-232.413 χ^2/NDF: 81.8/82

- 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: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

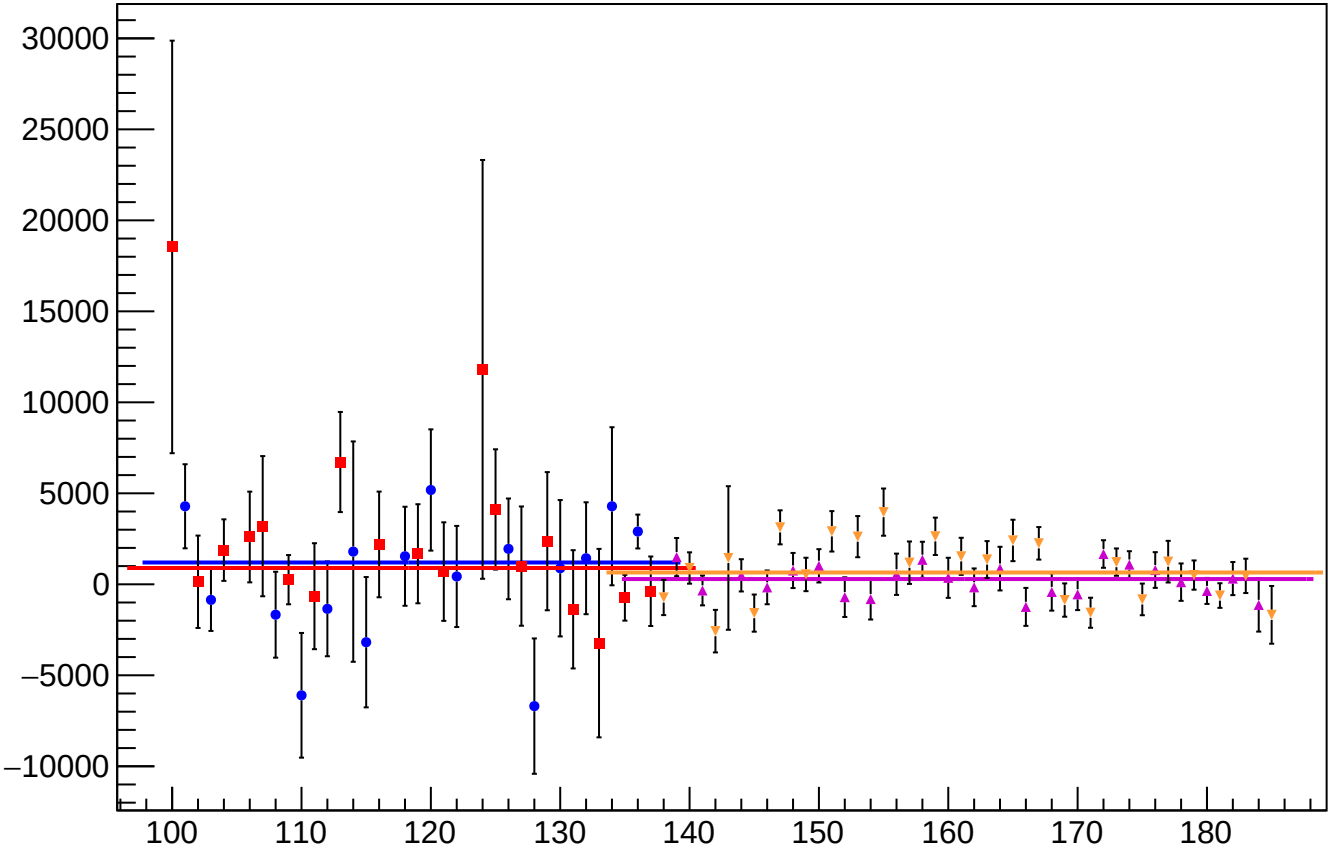
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1673.293+/-0.231 χ^2/NDF: 927020.3/40

All: 1666.853+/-0.164 χ^2/NDF: 1545060.6/82

- sign 1660.306+/-0.233 χ^2/NDF: 616479.3/41

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

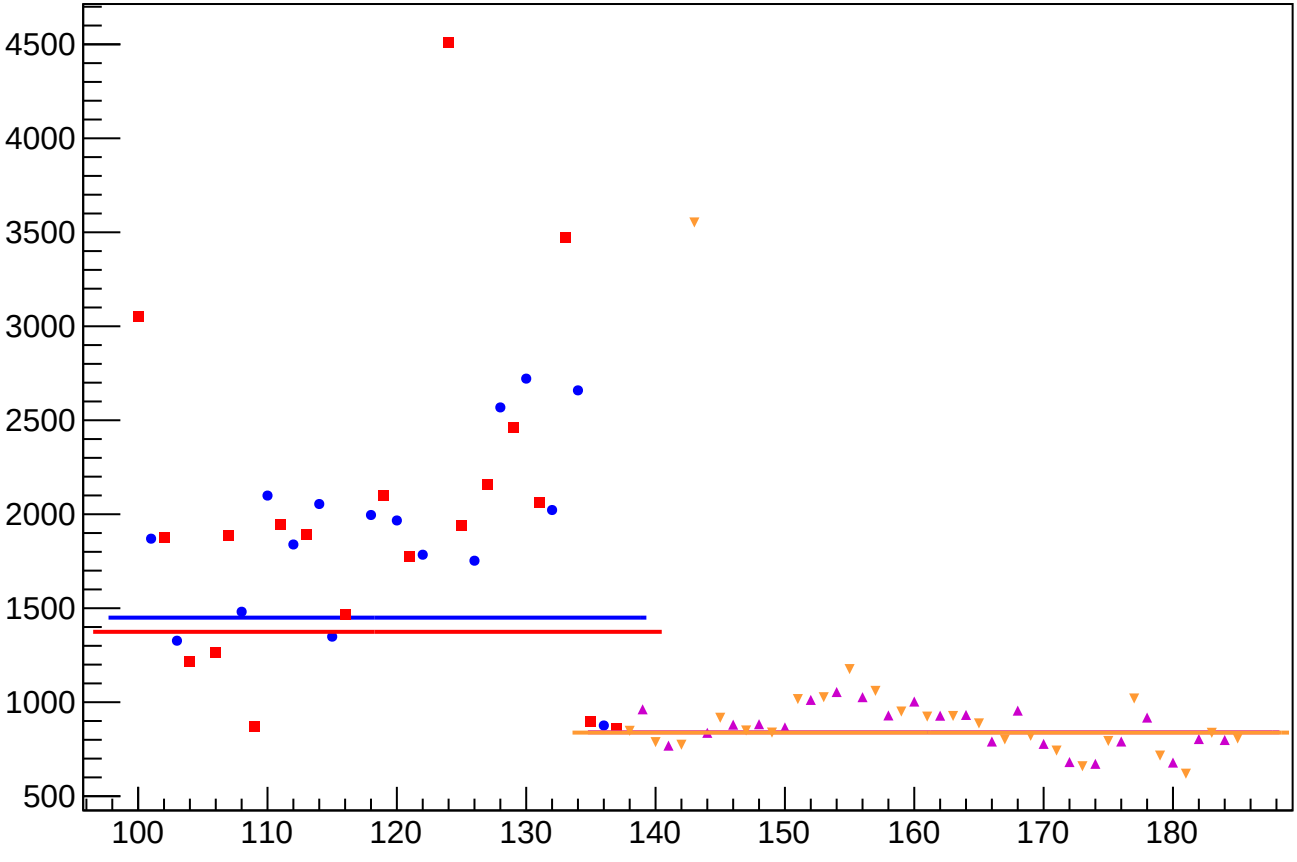
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 705.590+/-185.348 χ^2/NDF: 88.0/40

All: 532.836+/-131.629 χ^2/NDF: 121.6/82

- sign 357.058+/-186.964 χ^2/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: 838.254+/-0.138 χ^2/NDF:1800138.0/24

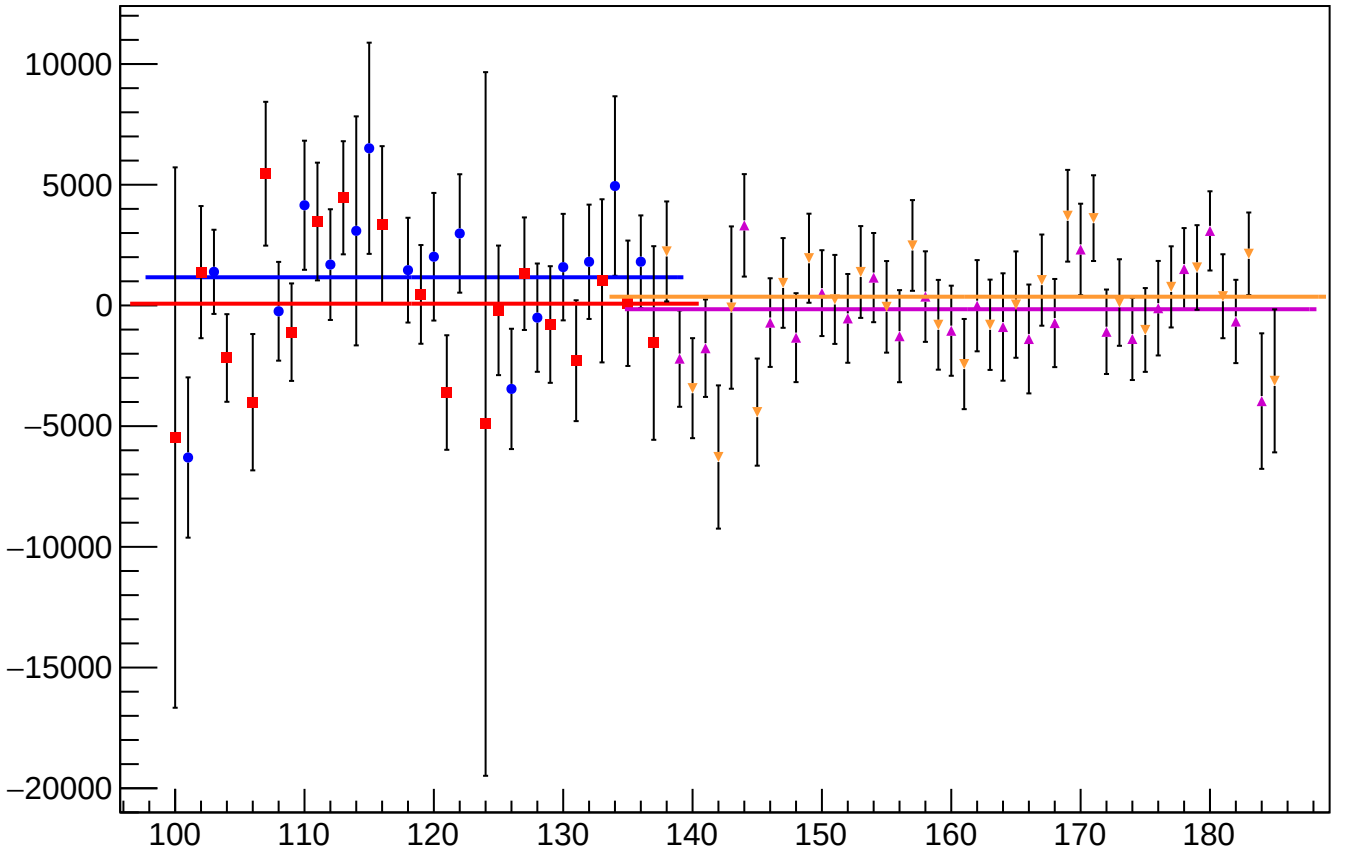
Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 901.101+/-0.131 χ^2/NDF: 5600905.5/40

All: 900.688+/-0.093 χ^2/NDF: 10033603.4/82

- sign 900.268+/-0.132 χ^2/NDF: 4432677.8/41



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

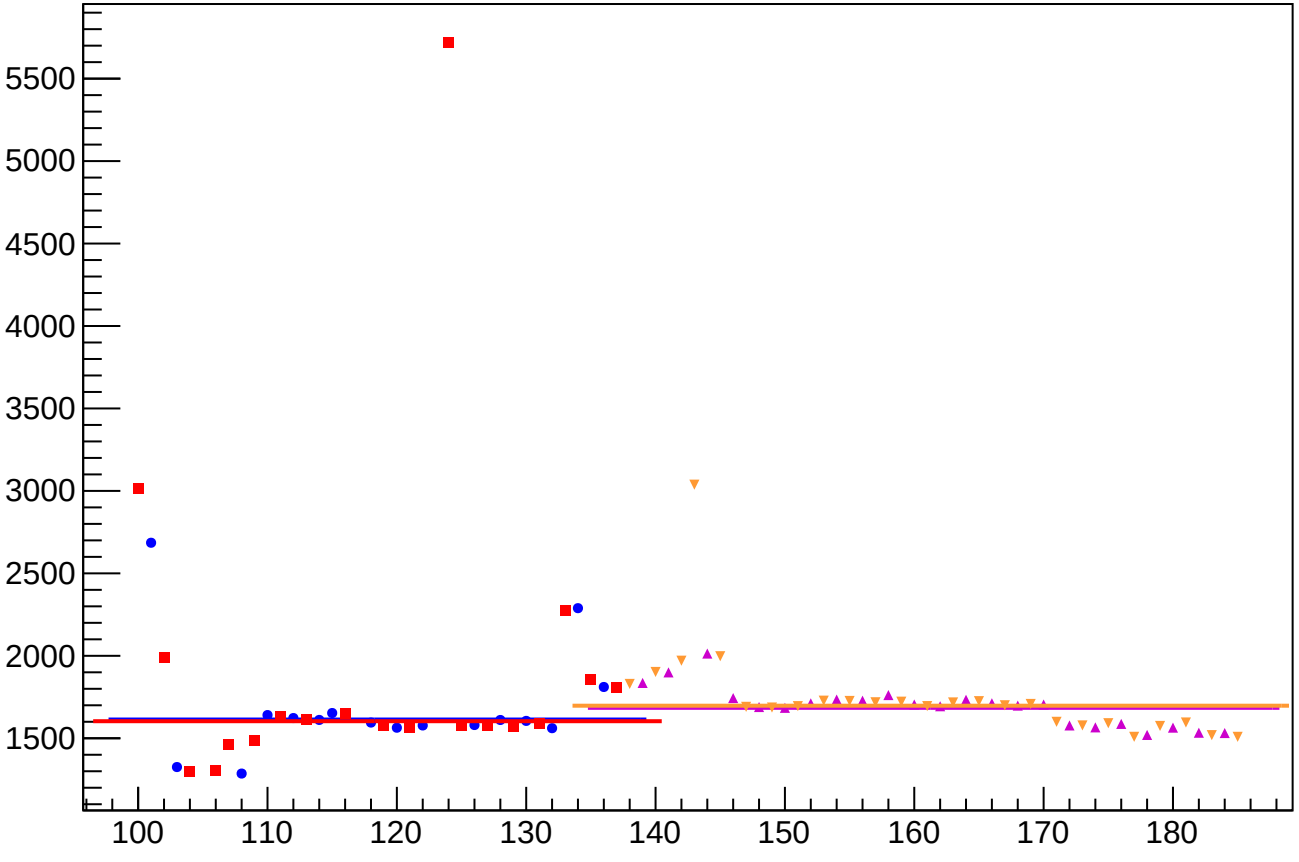
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.056+/-327.335 χ^2/NDF: 45.3/40

All: 255.697+/-232.413 χ^2/NDF: 81.8/82

- 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: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

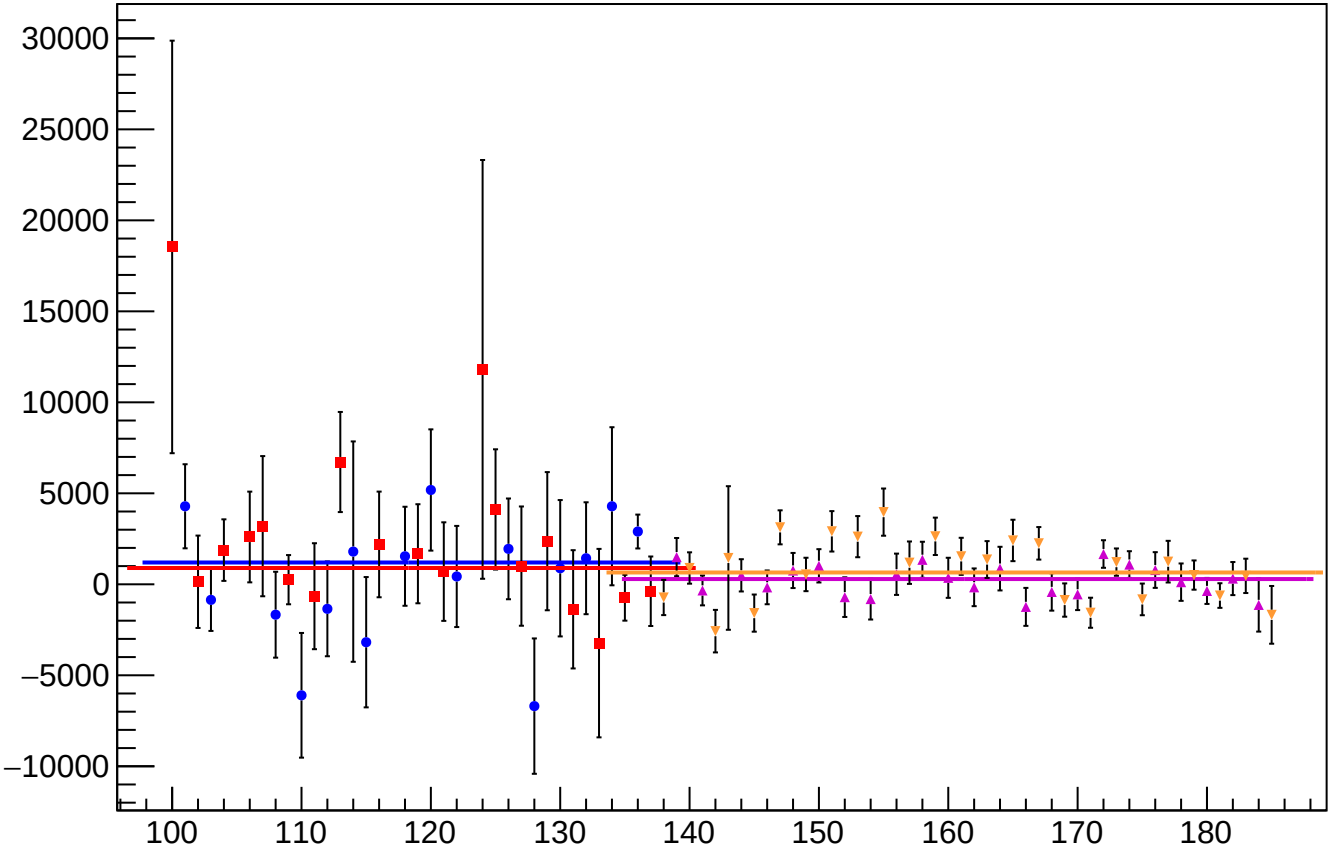
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1673.293+/-0.231 χ^2/NDF: 927020.3/40

All: 1666.853+/-0.164 χ^2/NDF: 1545060.6/82

- 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: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

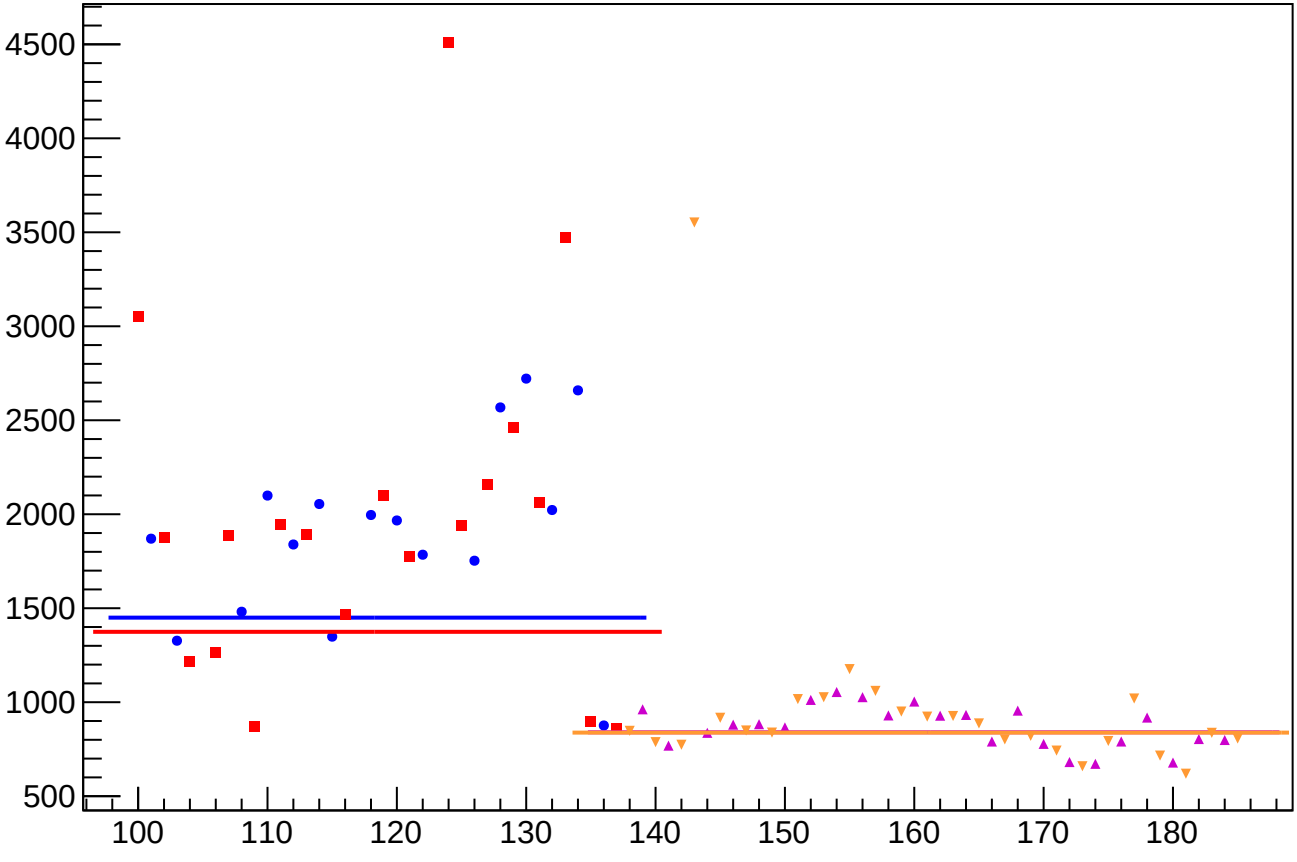
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 705.590+/-185.348 χ^2/NDF: 88.0/40

All: 532.836+/-131.629 χ^2/NDF: 121.6/82

- 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: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

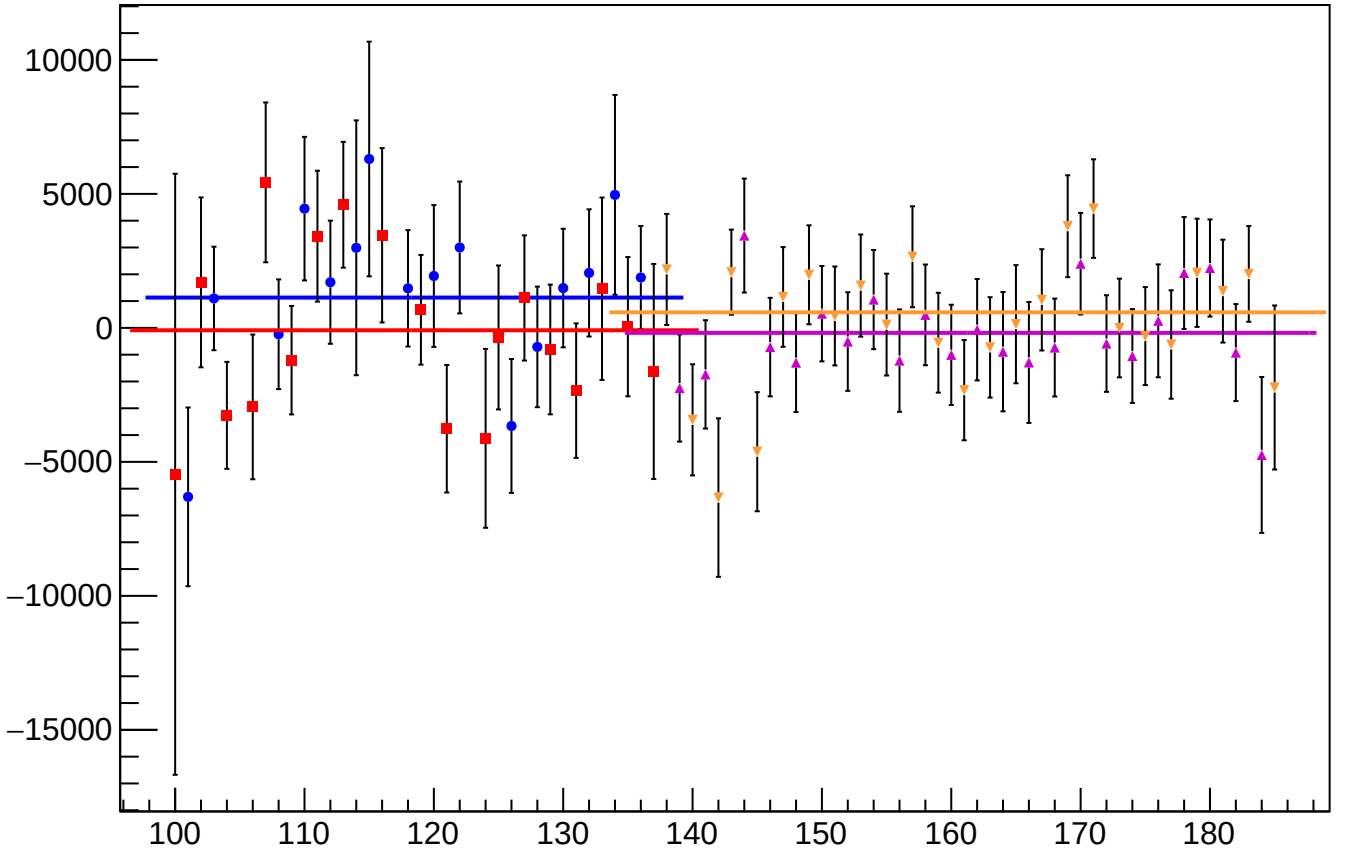
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 901.101+/-0.131 χ^2/NDF: 5600905.5/40

All: 900.688+/-0.093 χ^2/NDF: 10033603.4/82

- 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: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

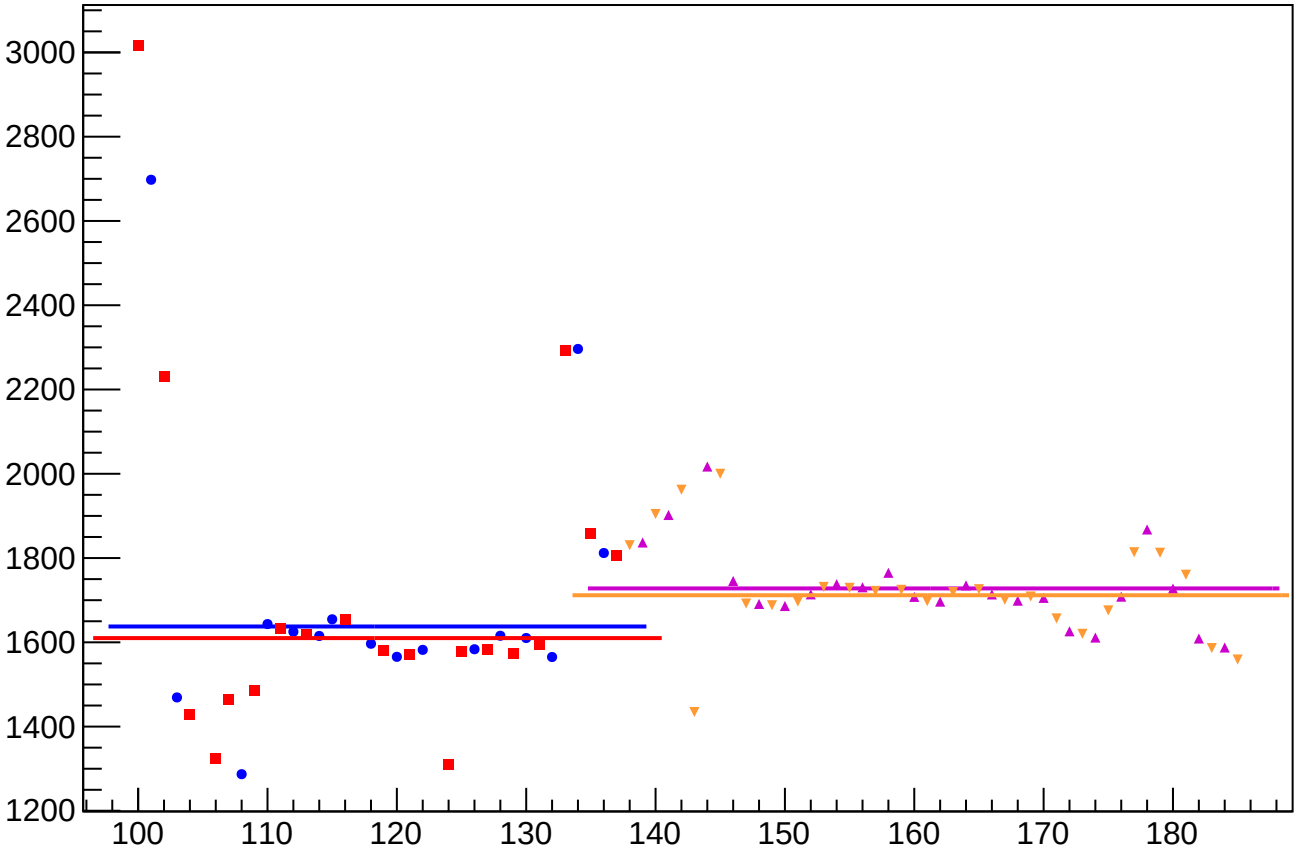
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 737.216+/-329.561 χ^2/NDF: 47.5/40

All: 298.900+/-235.175 χ^2/NDF: 86.2/82

- 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: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

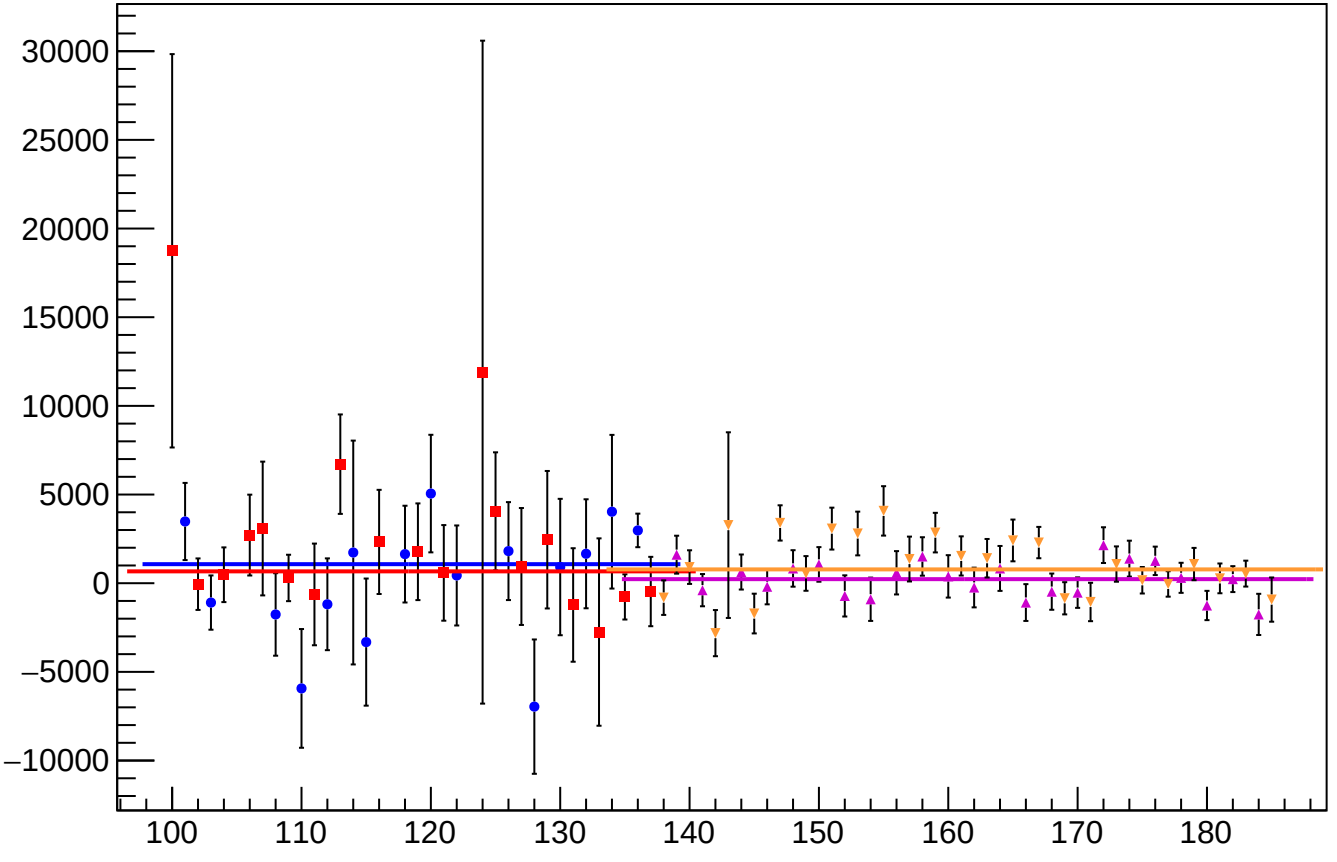
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1690.576+/-0.233 χ^2/NDF: 550051.7/40

All: 1690.975+/-0.166 χ^2/NDF: 983823.8/82

- 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: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

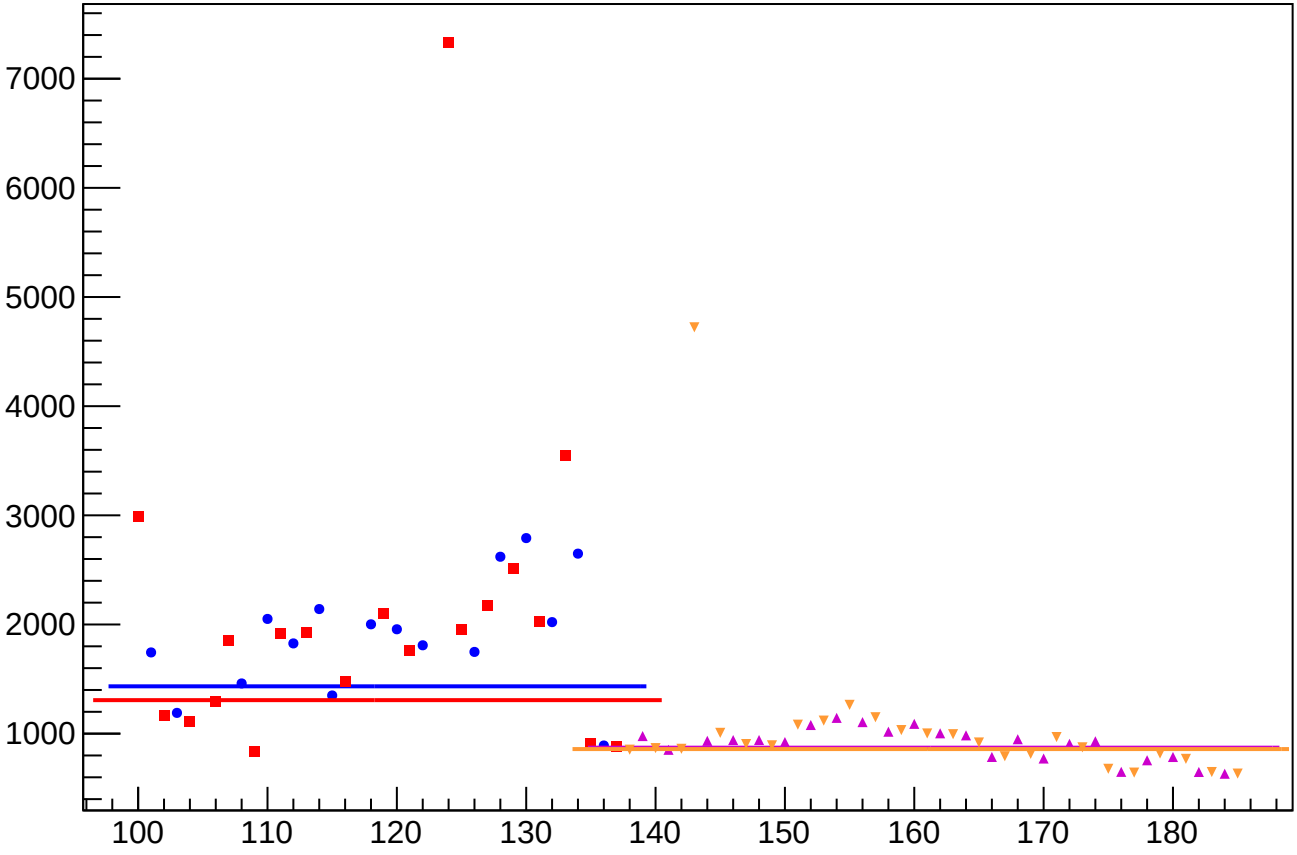
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 811.580+/-190.156 χ^2/NDF: 76.8/40

All: 552.707+/-135.198 χ^2/NDF: 117.3/82

- 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: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

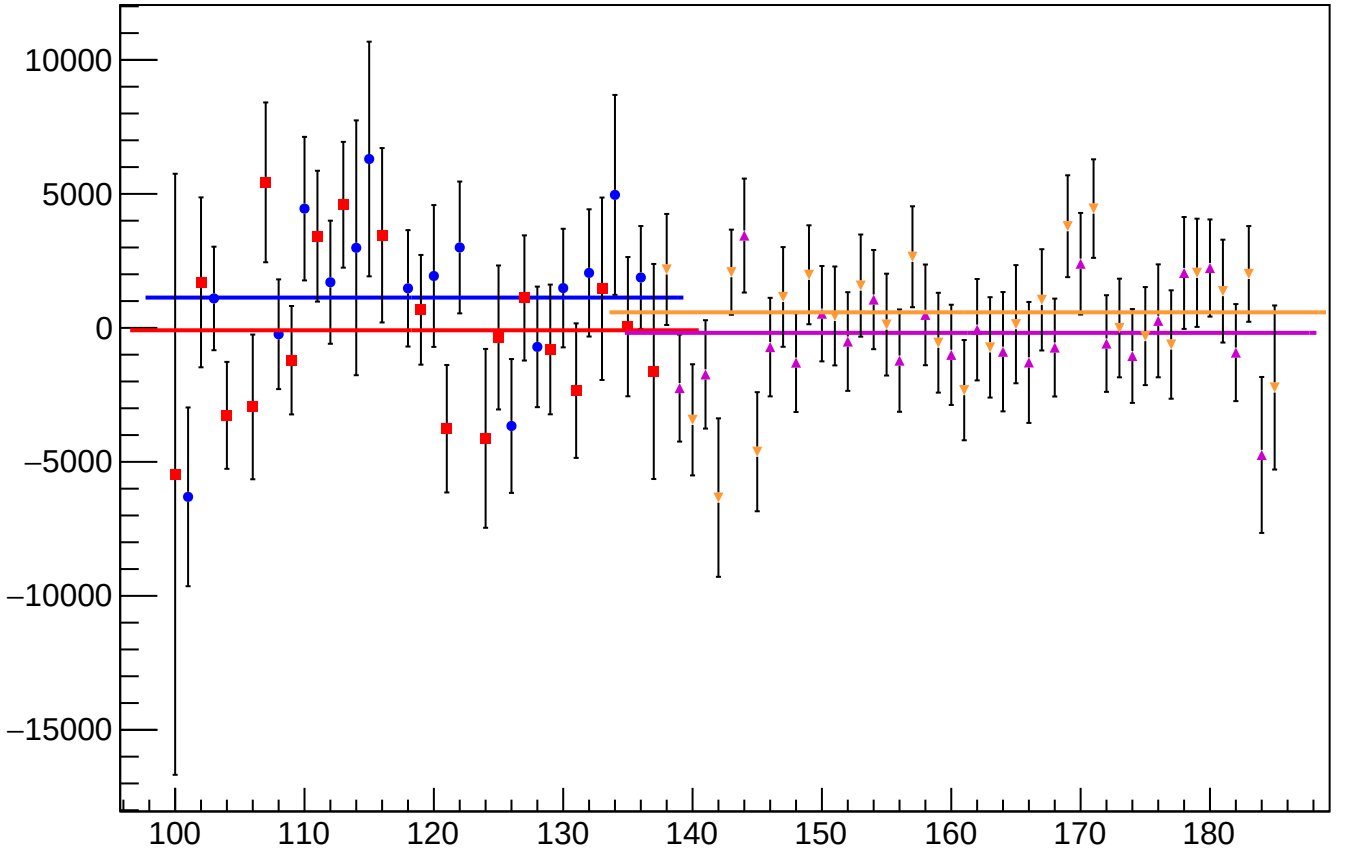
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 922.214+/-0.134 χ^2/NDF: 5842372.5/40

All: 926.187+/-0.096 χ^2/NDF: 10204042.3/82

- 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: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

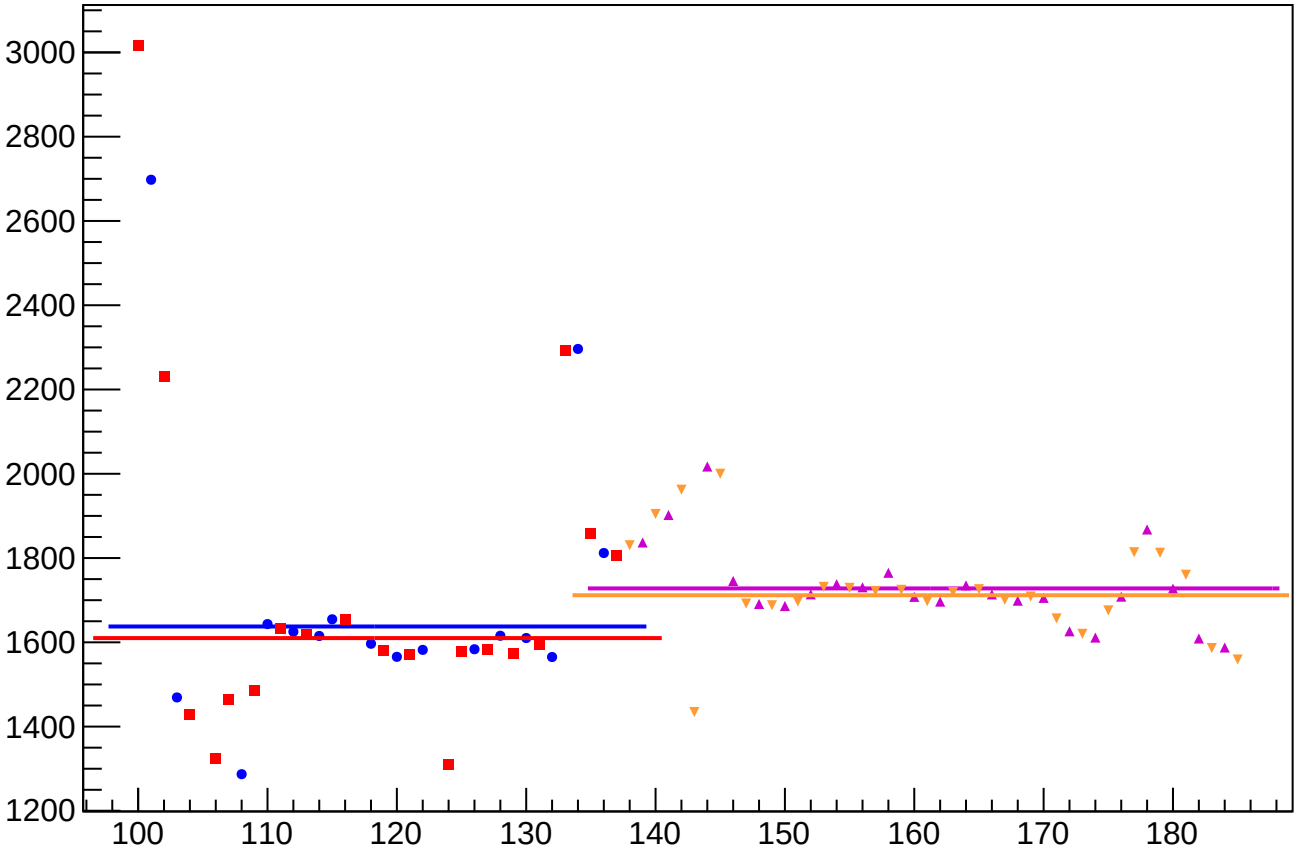
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 737.213+/-329.561 χ^2/NDF: 47.5/40

All: 298.897+/-235.175 χ^2/NDF: 86.2/82

- 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: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

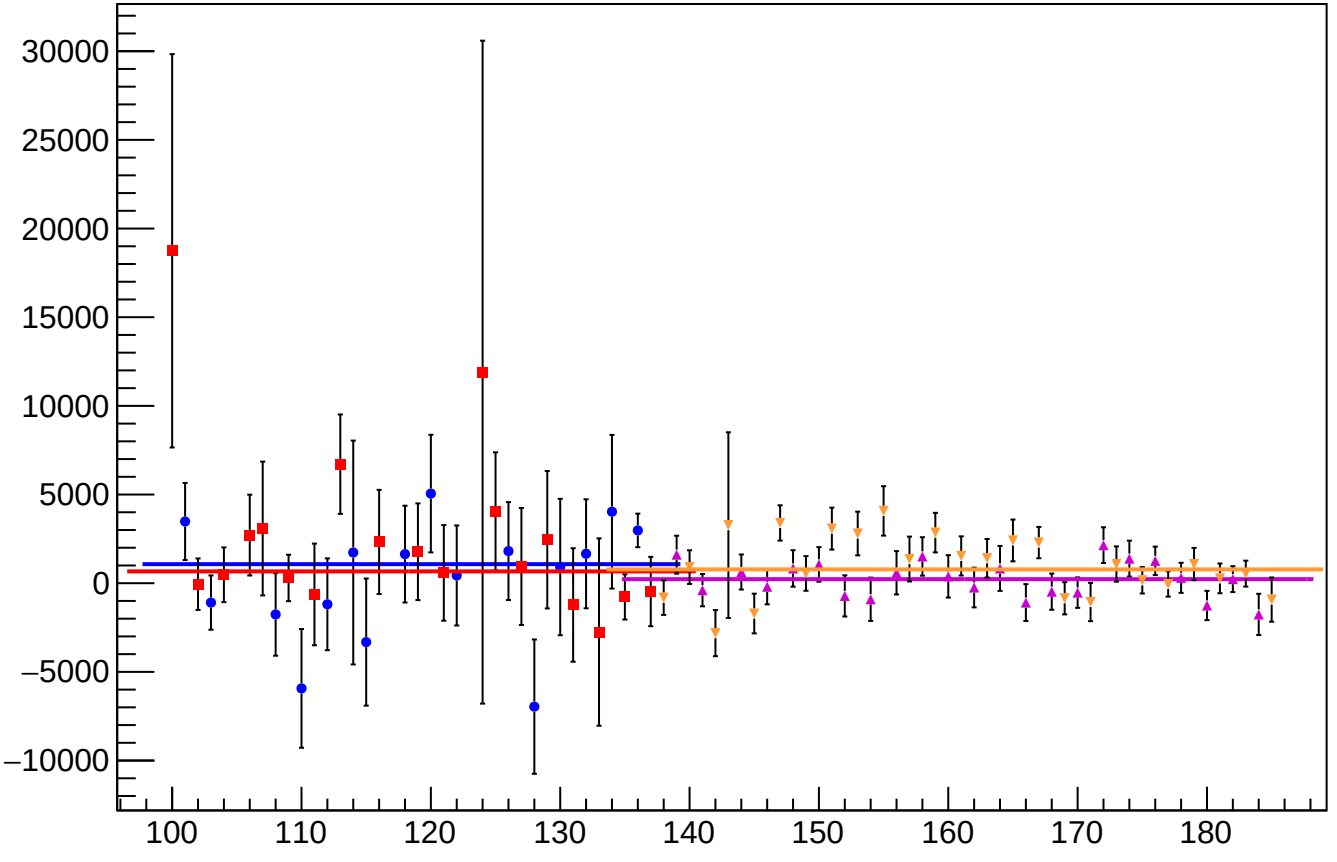
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1690.576+/-0.233 χ^2/NDF: 550050.2/40

All: 1690.975+/-0.166 χ^2/NDF: 983822.2/82

- 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: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

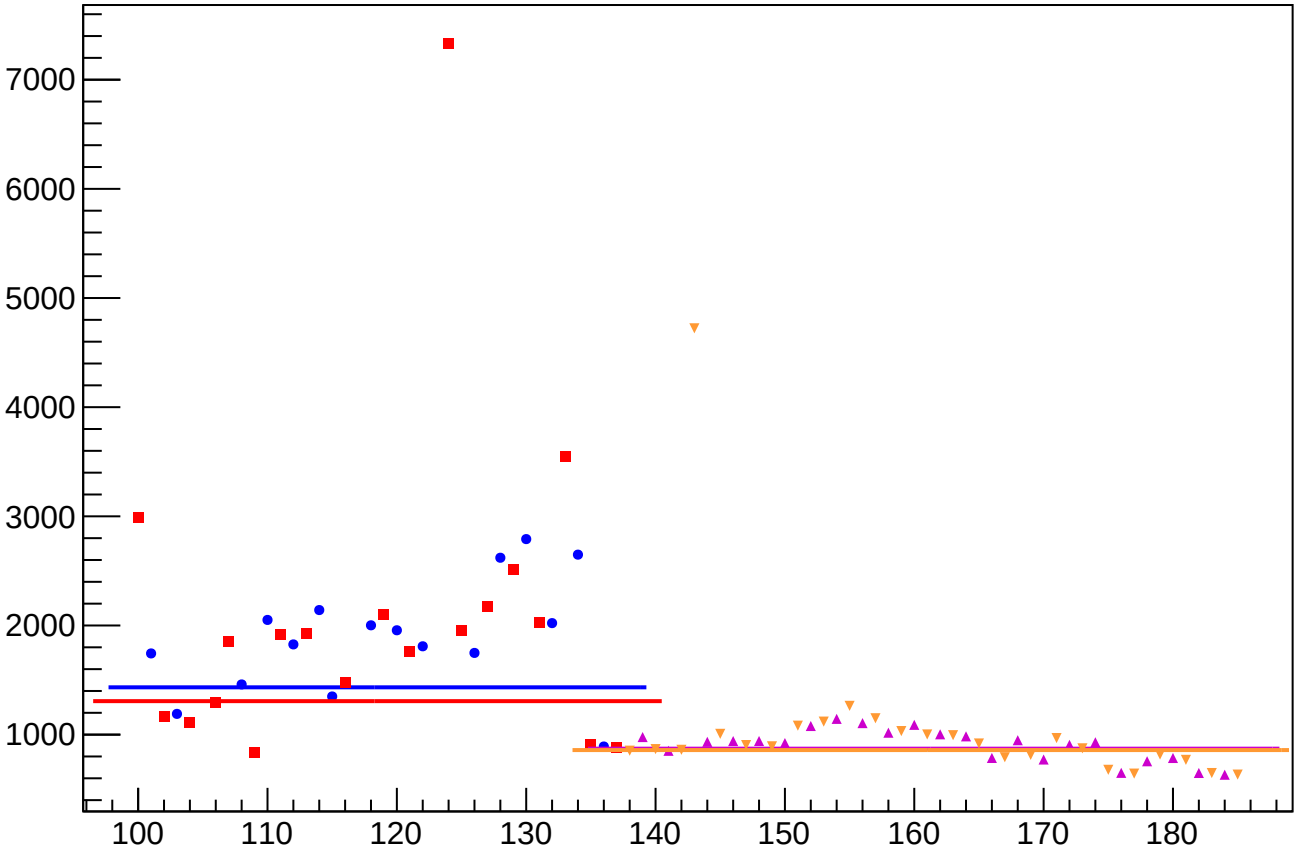
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 811.581+/-190.156 χ^2/NDF: 76.8/40

All: 552.706+/-135.198 χ^2/NDF: 117.3/82

- sign 288.079+/-192.258 χ^2/NDF: 36.8/41

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

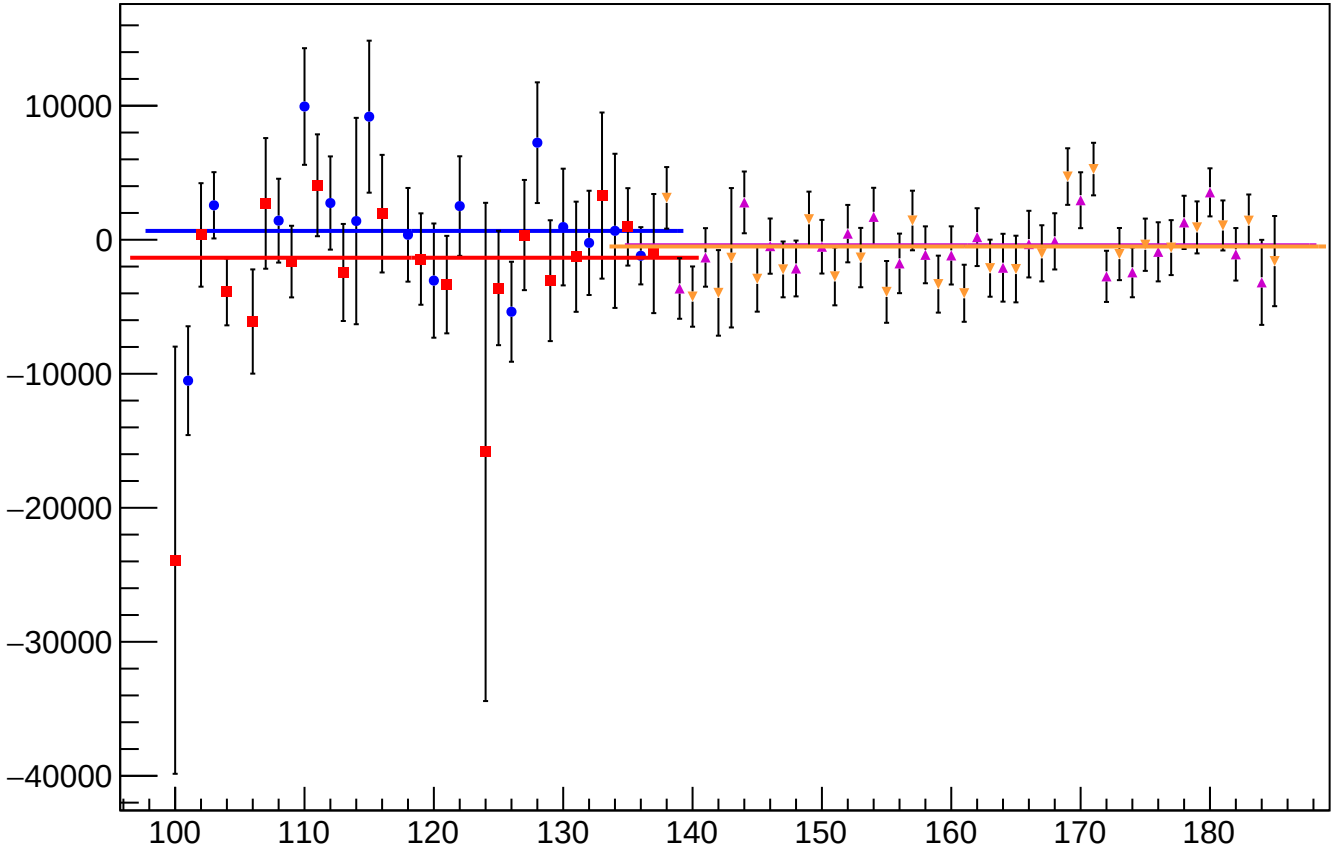
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 922.215+/-0.134 χ^2/NDF: 5842341.9/40

All: 926.188+/-0.096 χ^2/NDF: 10204008.2/82

- 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: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

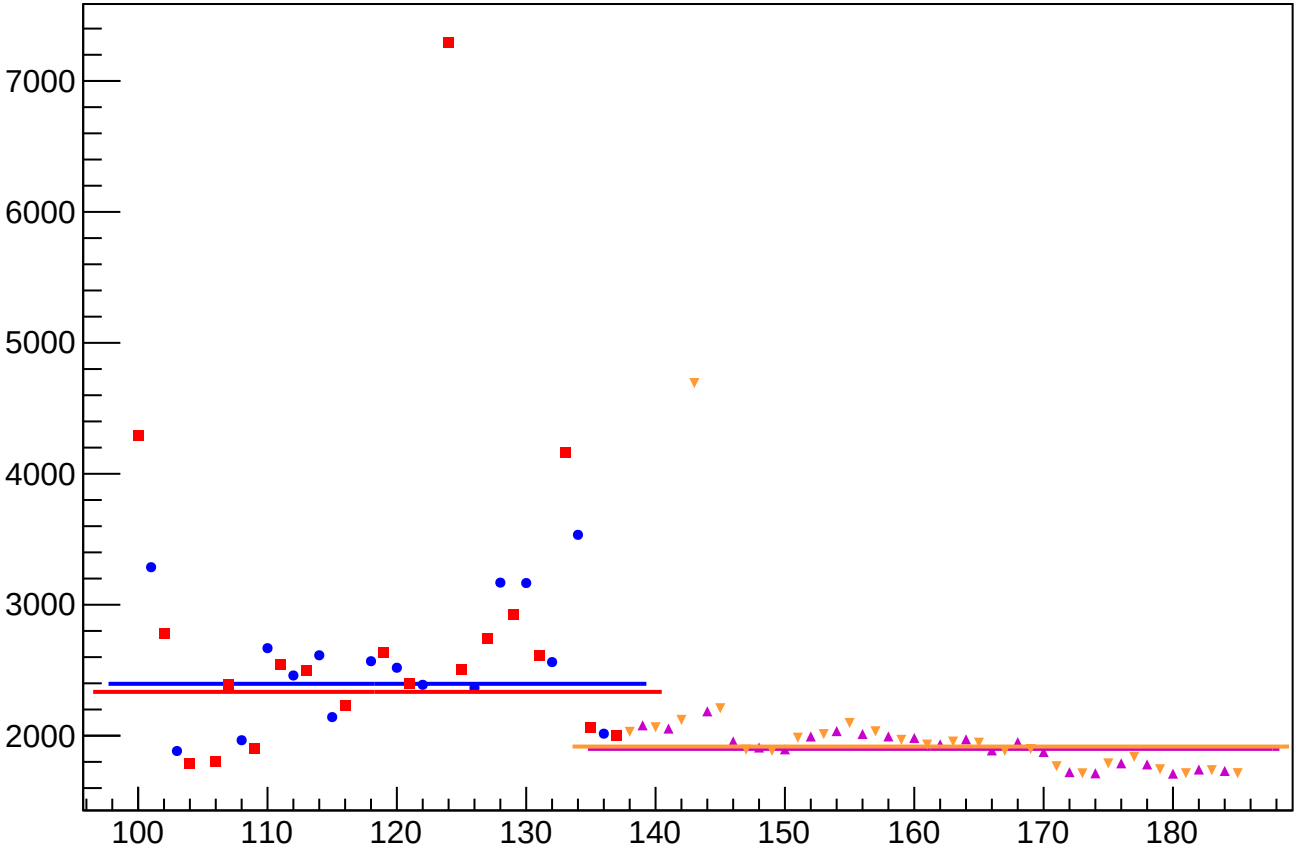
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -281.425+/-396.029 χ^2/NDF: 59.2/40

All: -438.512+/-280.647 χ^2/NDF: 90.1/82

- 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: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

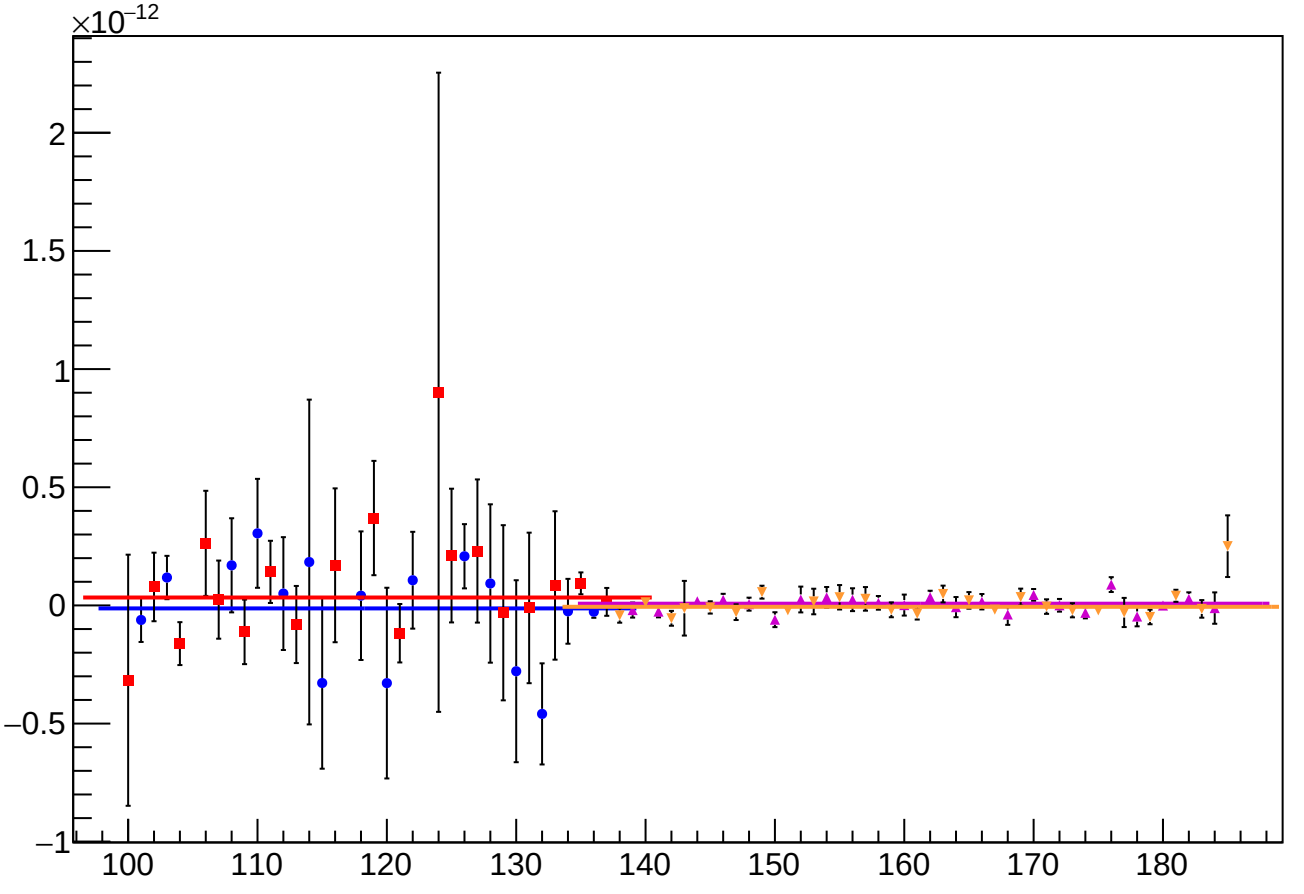
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2007.986+/-0.280 χ^2/NDF: 1714018.2/40

All: 1997.087+/-0.198 χ^2/NDF: 2954596.3/82

- 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:28.5/24

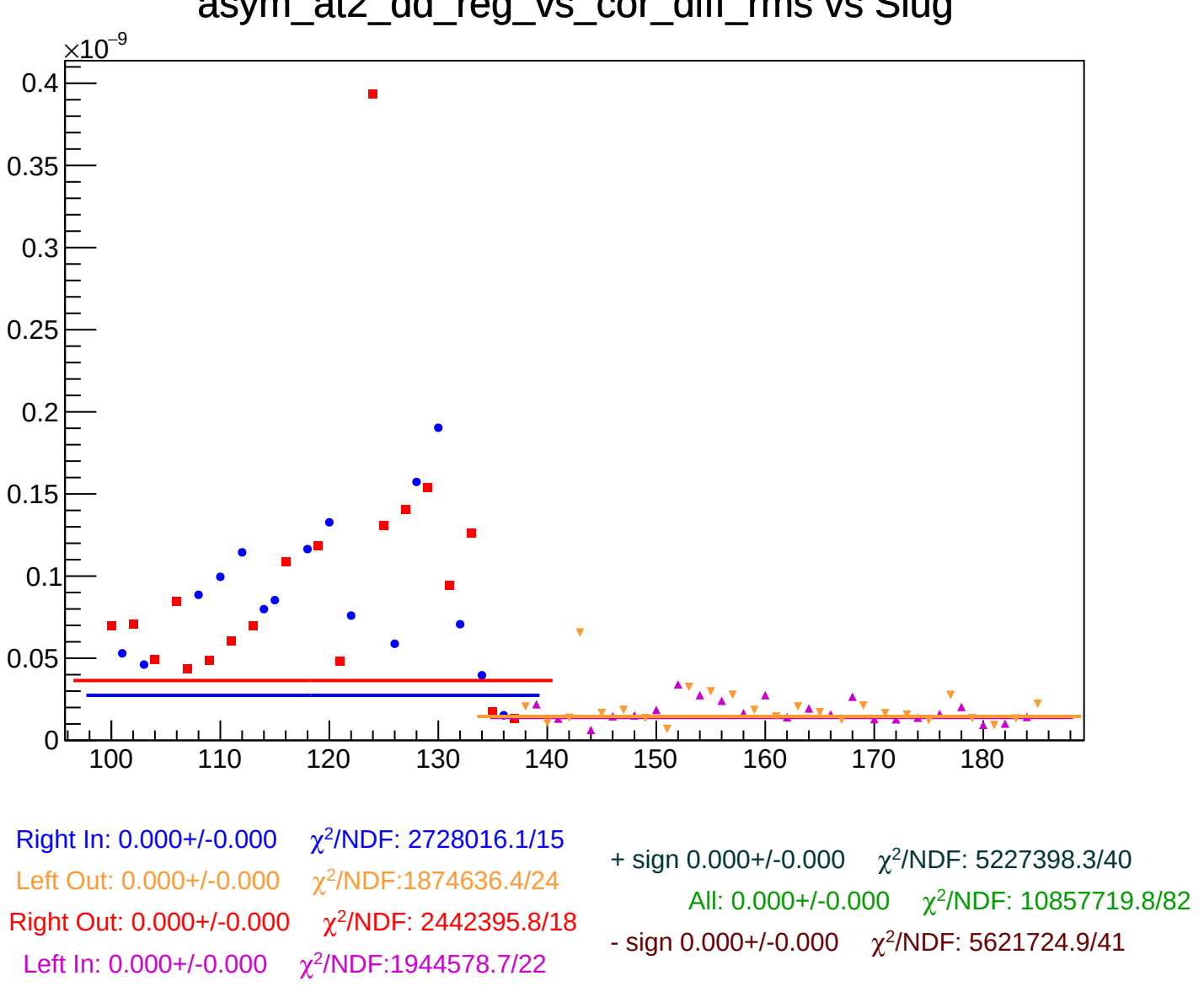
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

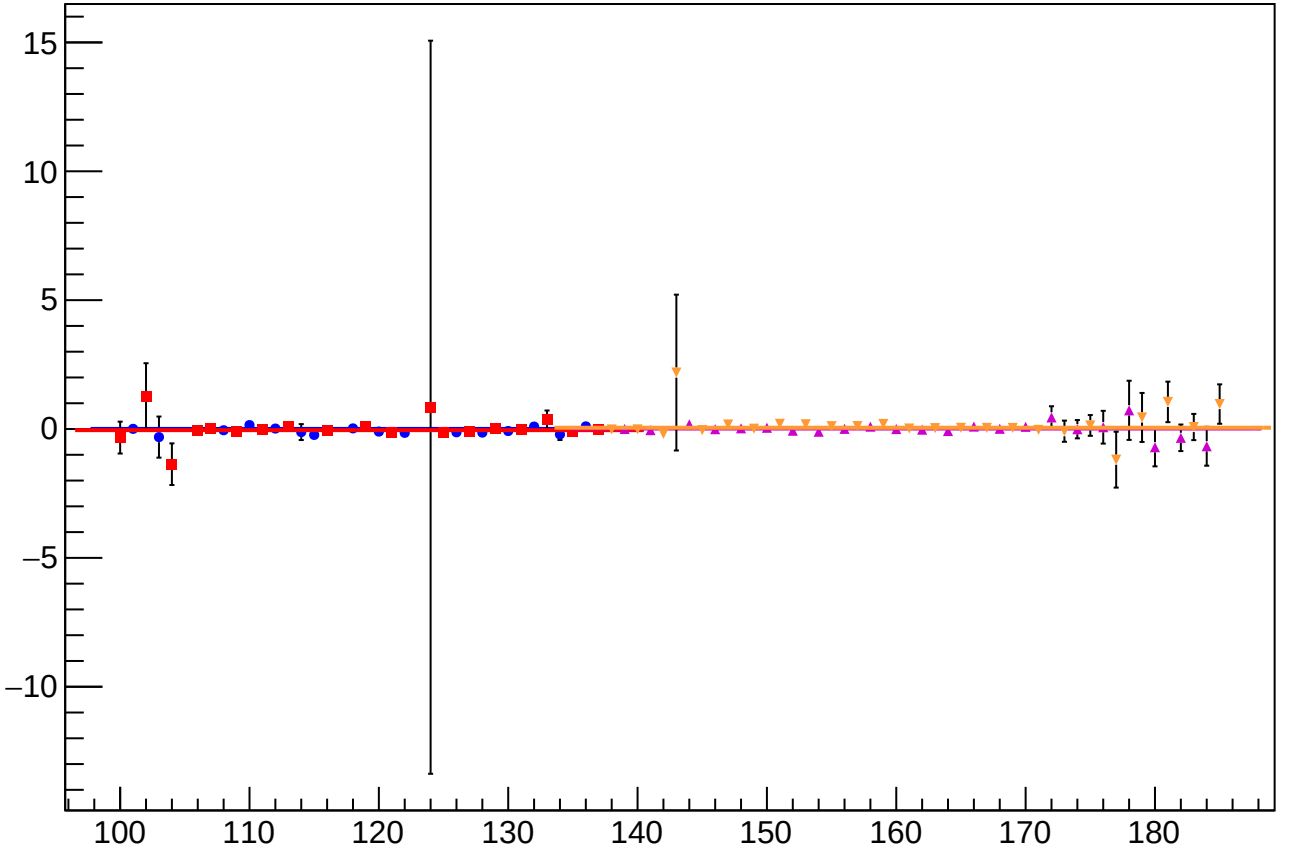
+ sign -0.000+/-0.000 χ^2/NDF: 43.5/40

All: 0.000+/-0.000 χ^2/NDF: 87.8/82

- sign 0.000+/-0.000 χ^2/NDF: 41.1/41


asym_at2_dd_reg_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: 2728016.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1874636.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2442395.8/18
Left In: 0.000+/-0.000 χ²/NDF:1944578.7/22
+ sign 0.000+/-0.000 χ²/NDF: 5227398.3/40
All: 0.000+/-0.000 χ²/NDF: 10857719.8/82
- sign 0.000+/-0.000 χ²/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: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

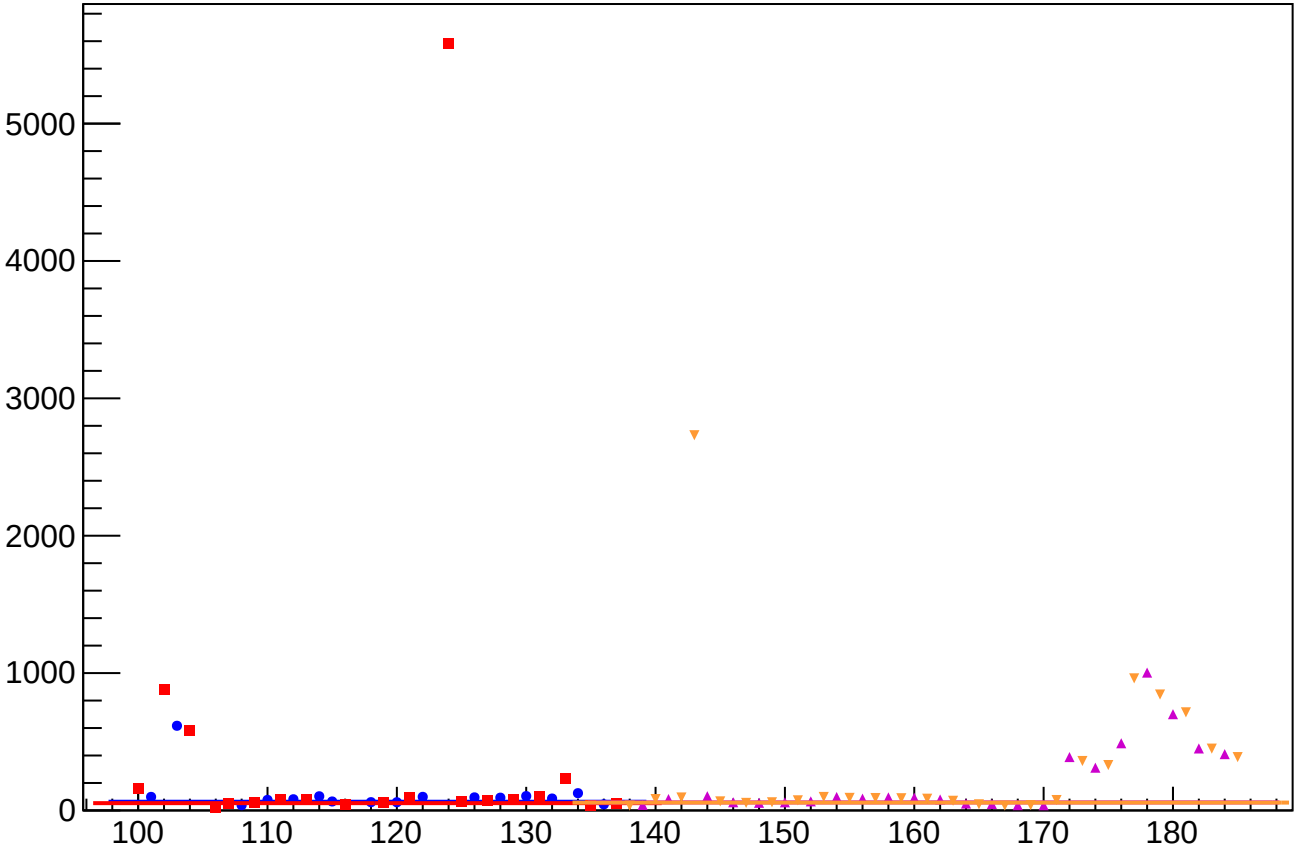
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/40

All: 0.017+/-0.010 χ^2/NDF: 75.8/82

- 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: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

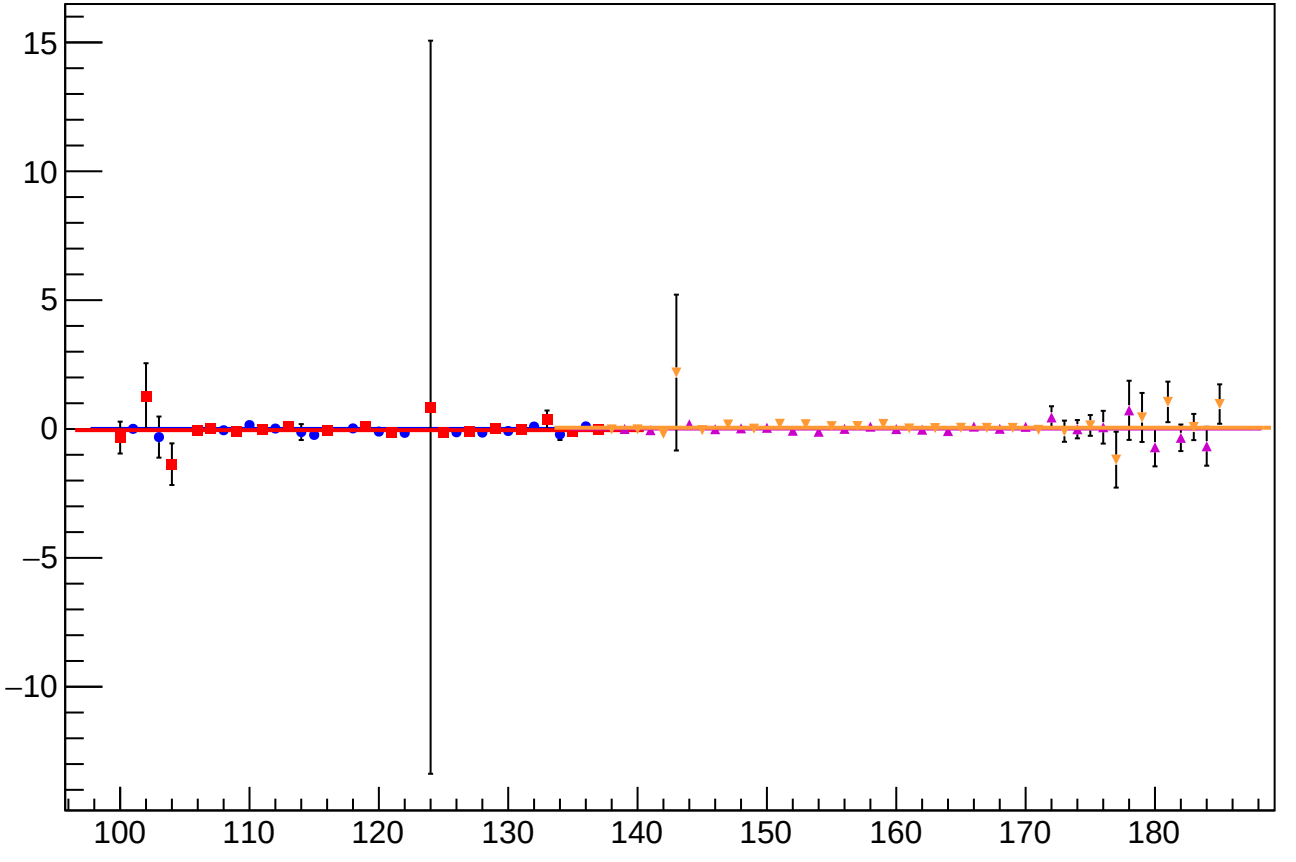
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.002+/-0.010 χ^2/NDF: 14841751.1/40

All: 57.900+/-0.007 χ^2/NDF: 29121433.0/82

- 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: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

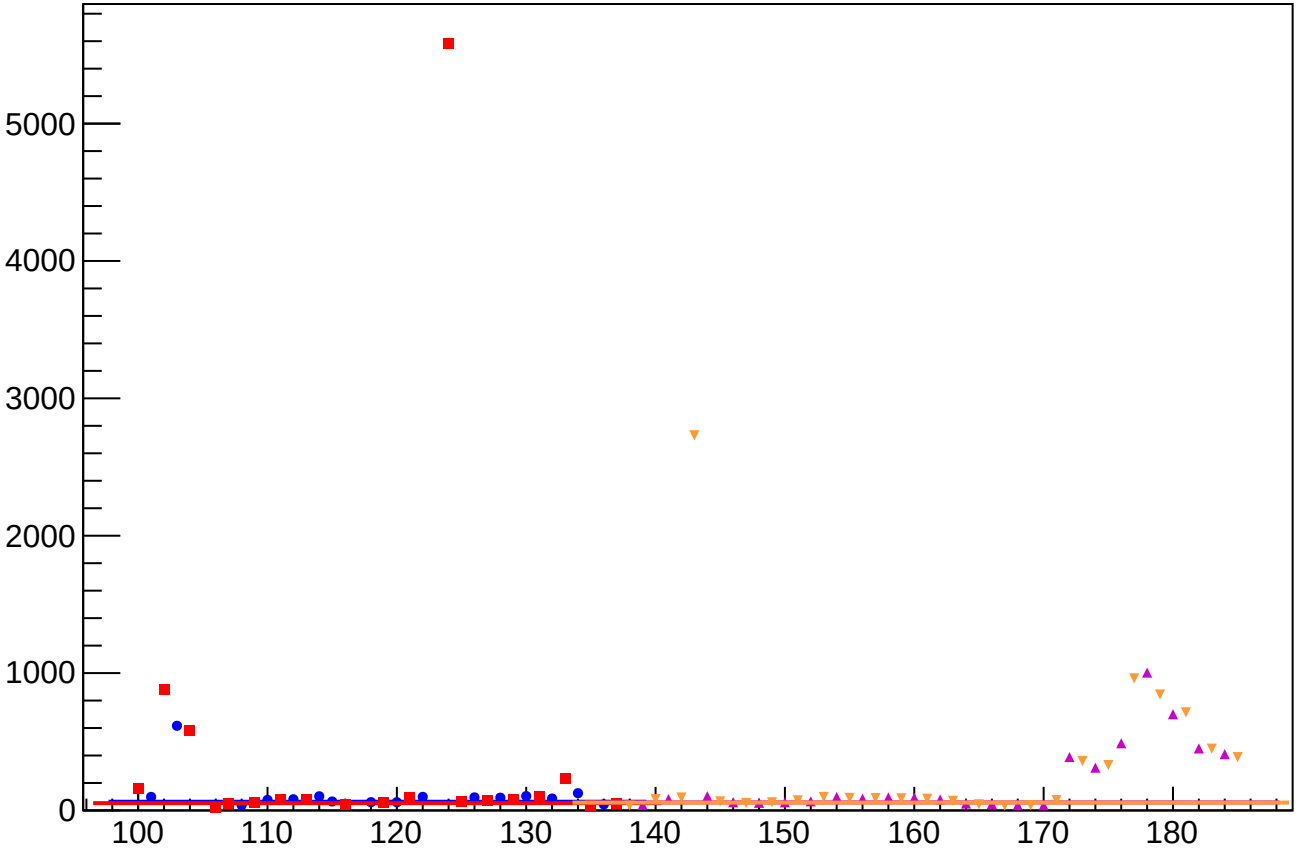
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/40

All: 0.017+/-0.010 χ^2/NDF: 75.8/82

- 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: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

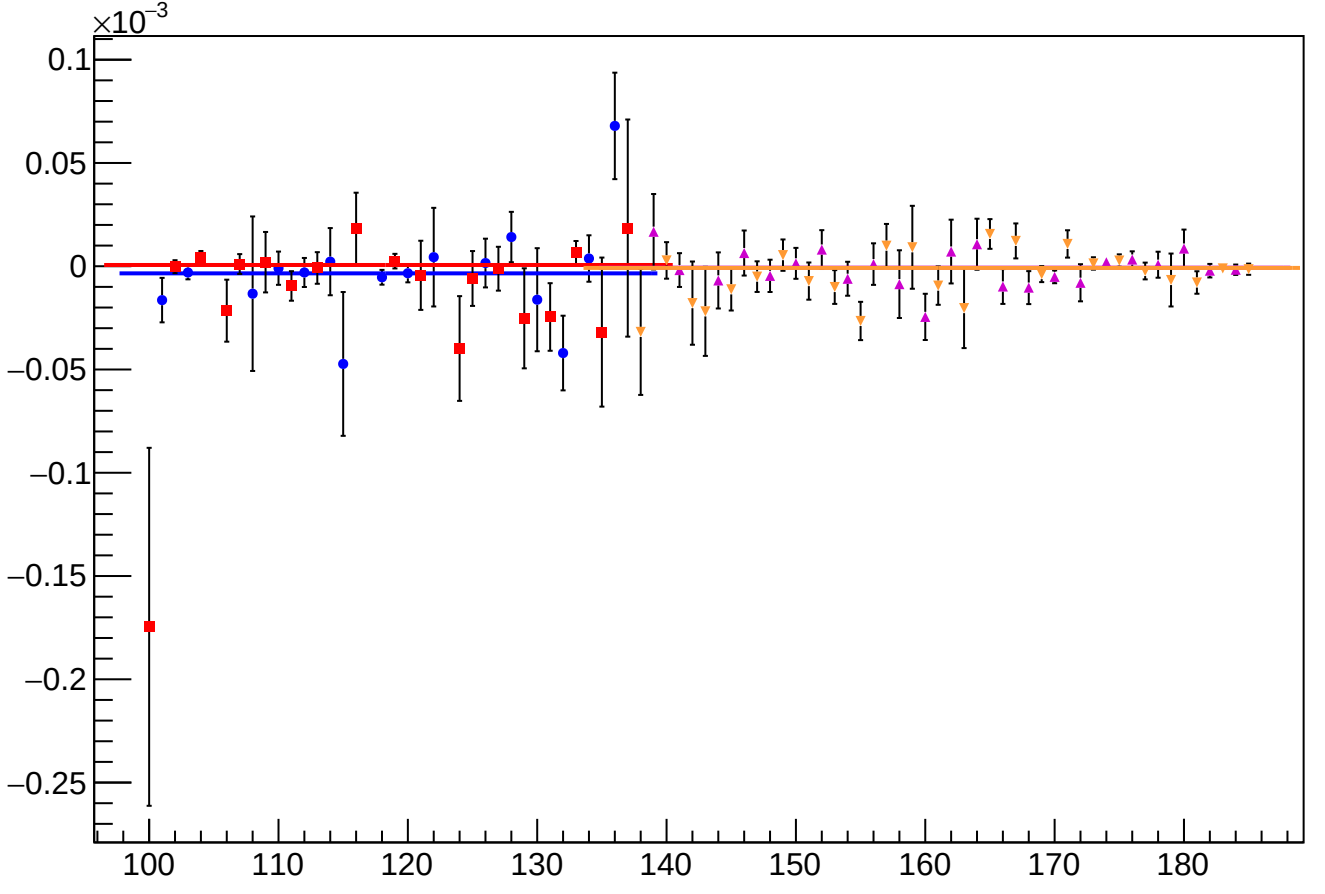
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.002+/-0.010 χ^2/NDF: 14841751.1/40

All: 57.900+/-0.007 χ^2/NDF: 29121433.0/82

- sign 56.848+/-0.010 χ^2/NDF: 14256886.2/41

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

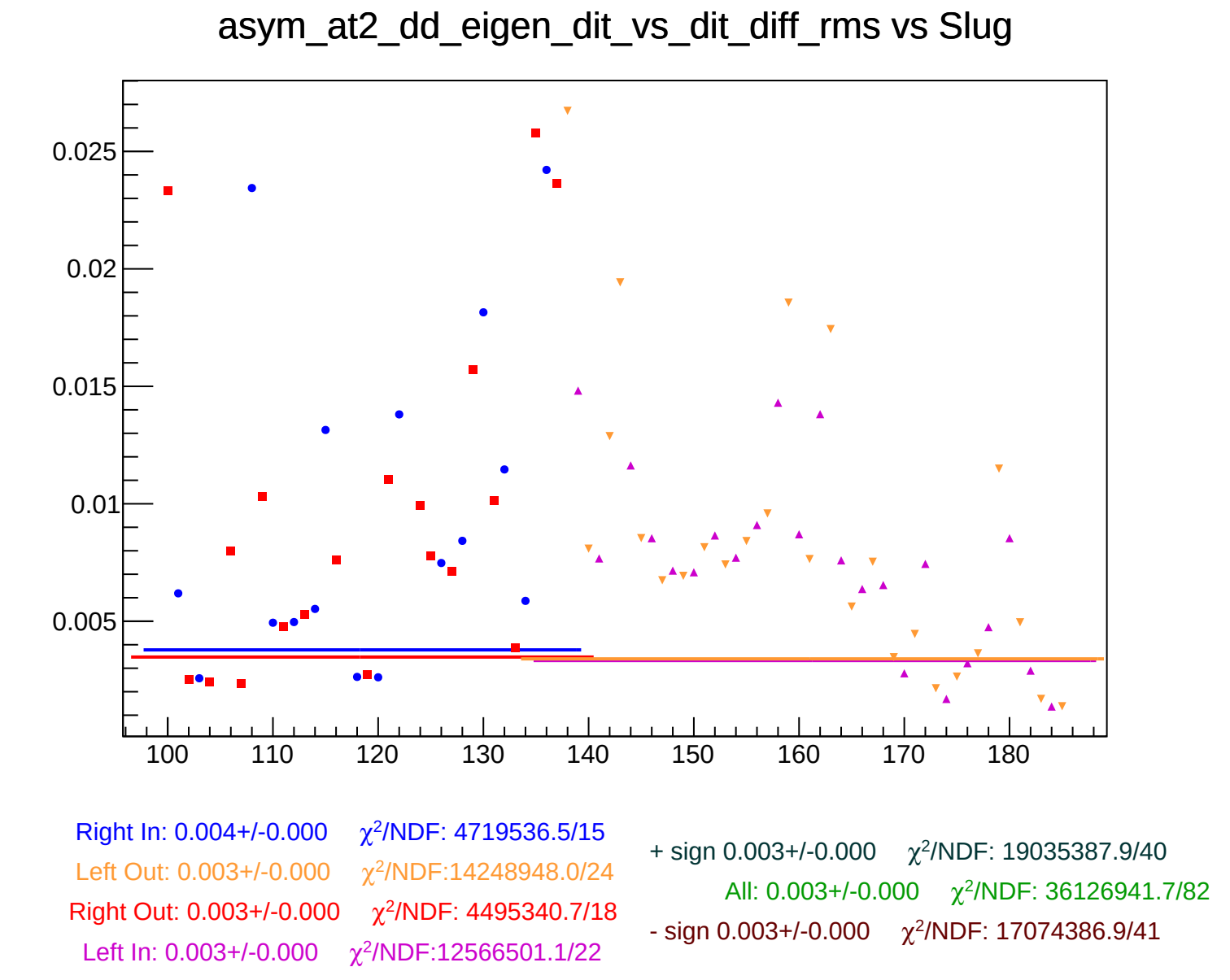
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

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

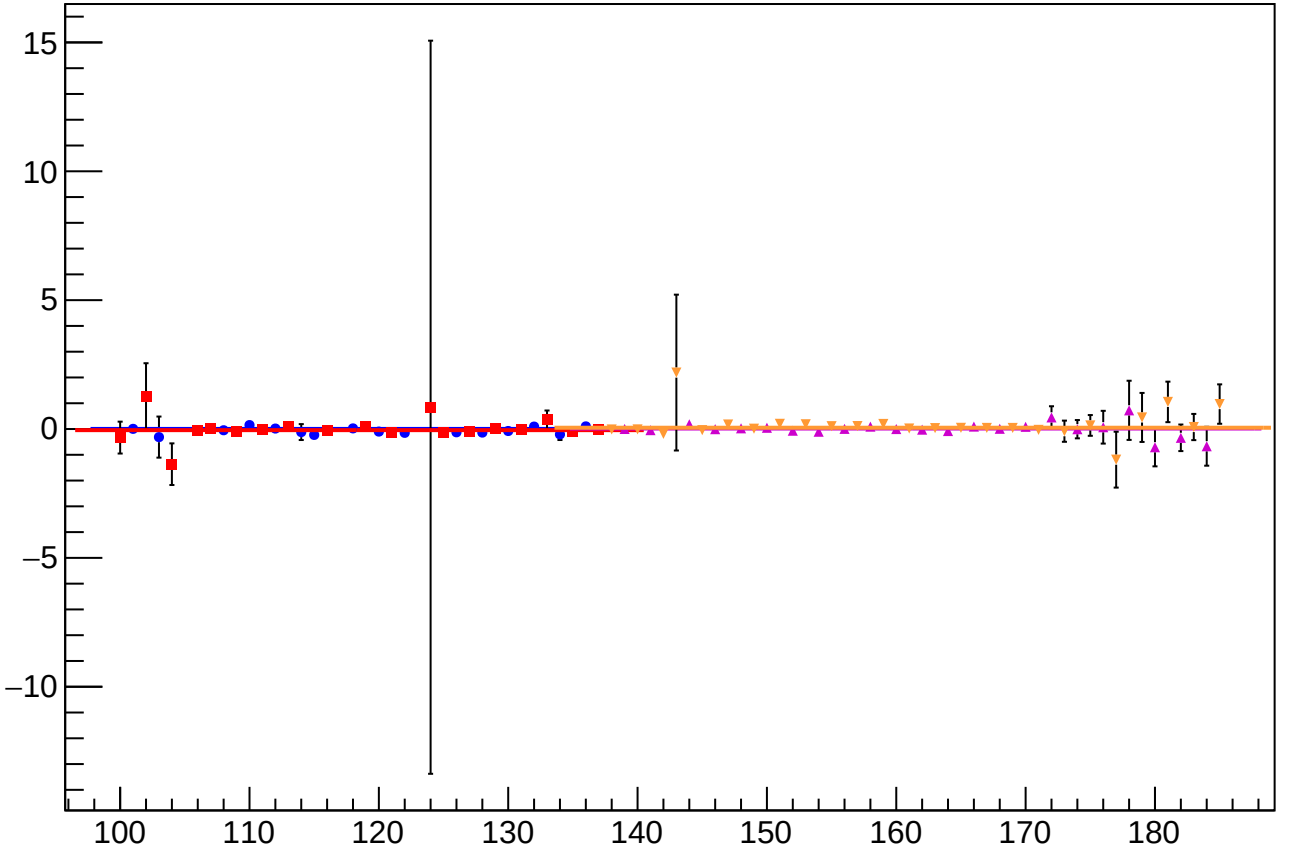
+ sign -0.000+/-0.000 χ^2/NDF: 53.3/40

All: -0.000+/-0.000 χ^2/NDF: 92.6/82

- 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: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.003+/-0.000 χ²/NDF: 19035387.9/40
All: 0.003+/-0.000 χ²/NDF: 36126941.7/82
- 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: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

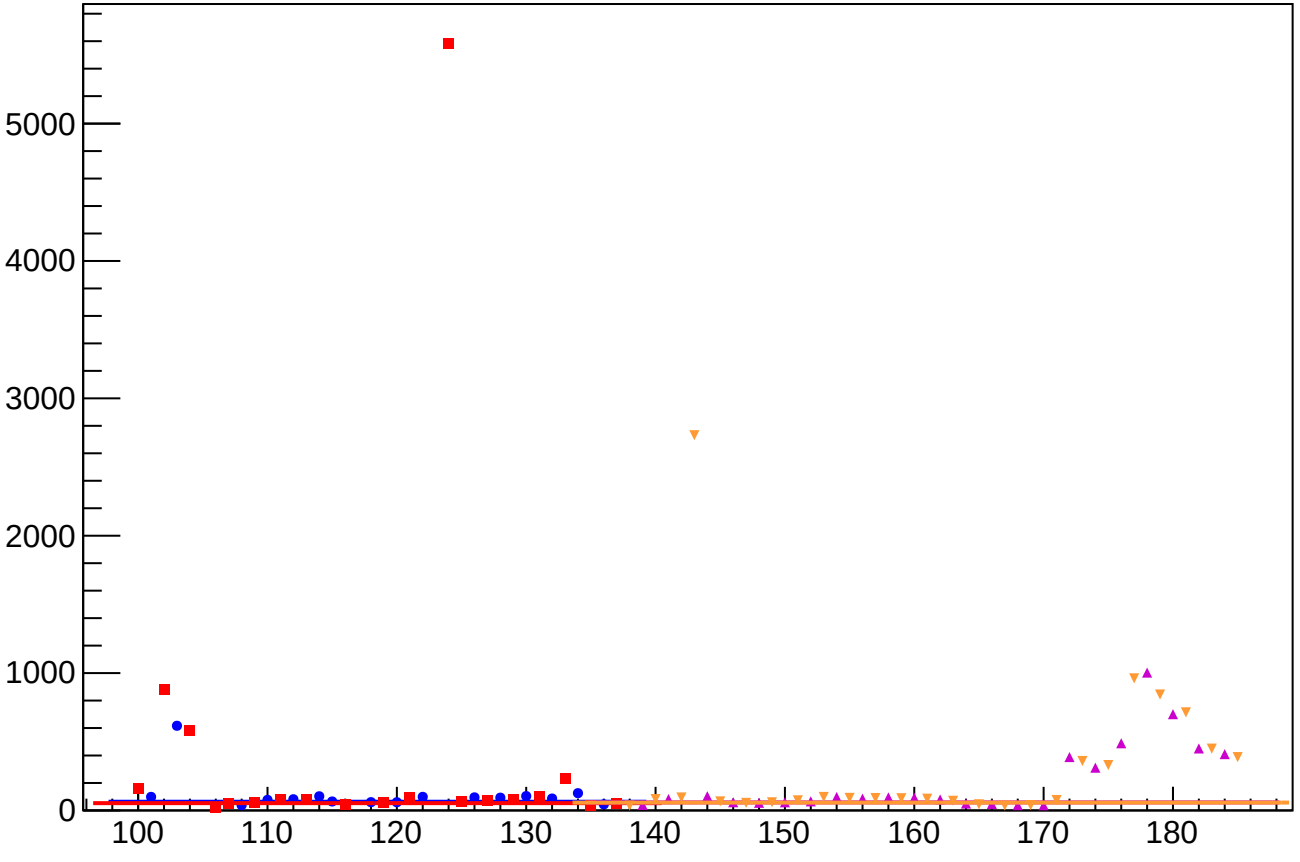
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/40

All: 0.017+/-0.010 χ^2/NDF: 75.8/82

- 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: 57.258+/-0.012 χ^2/NDF:12321763.3/24

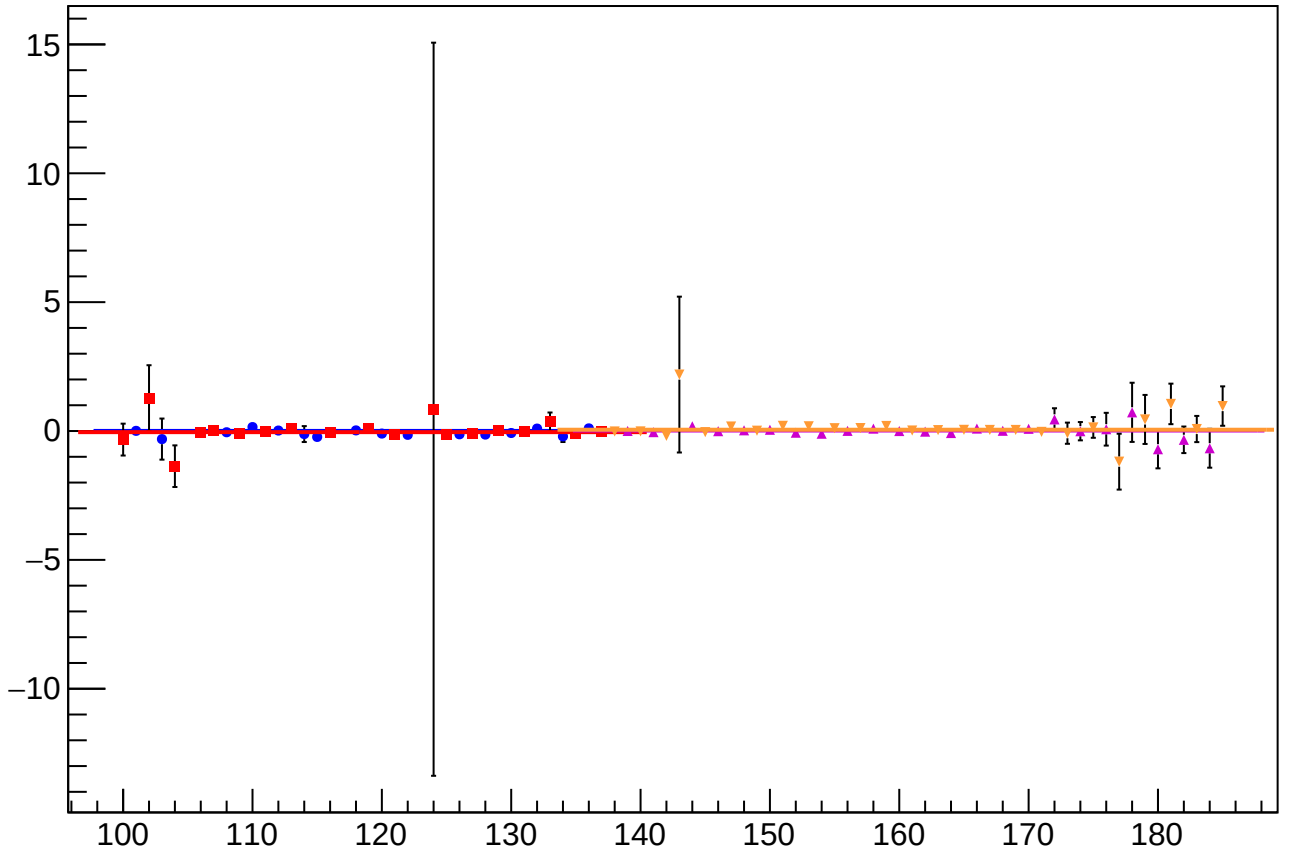
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.004+/-0.010 χ^2/NDF: 14840829.2/40

All: 57.900+/-0.007 χ^2/NDF: 29120768.5/82

- 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: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

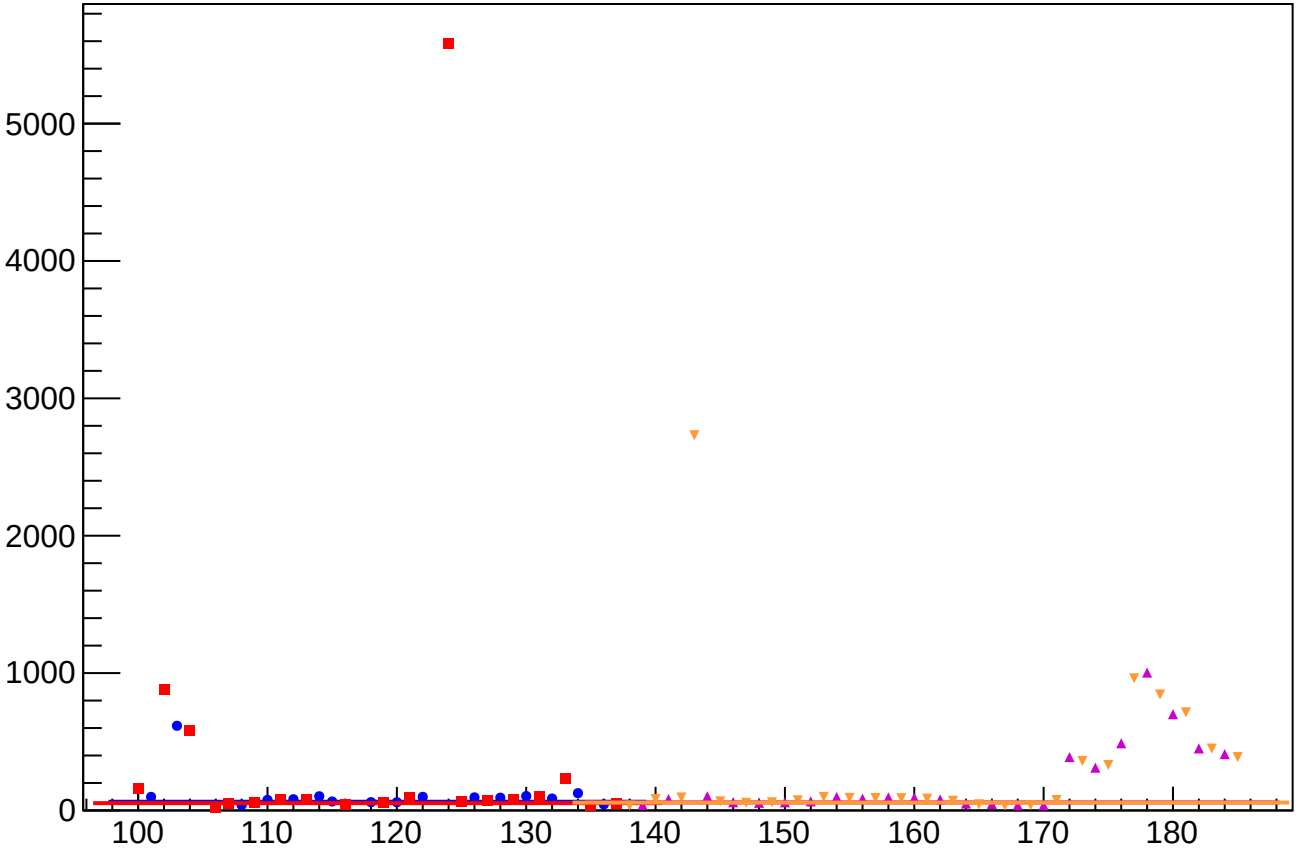
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/40

All: 0.017+/-0.010 χ^2/NDF: 75.8/82

- sign -0.001+/-0.014 χ^2/NDF: 32.4/41

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

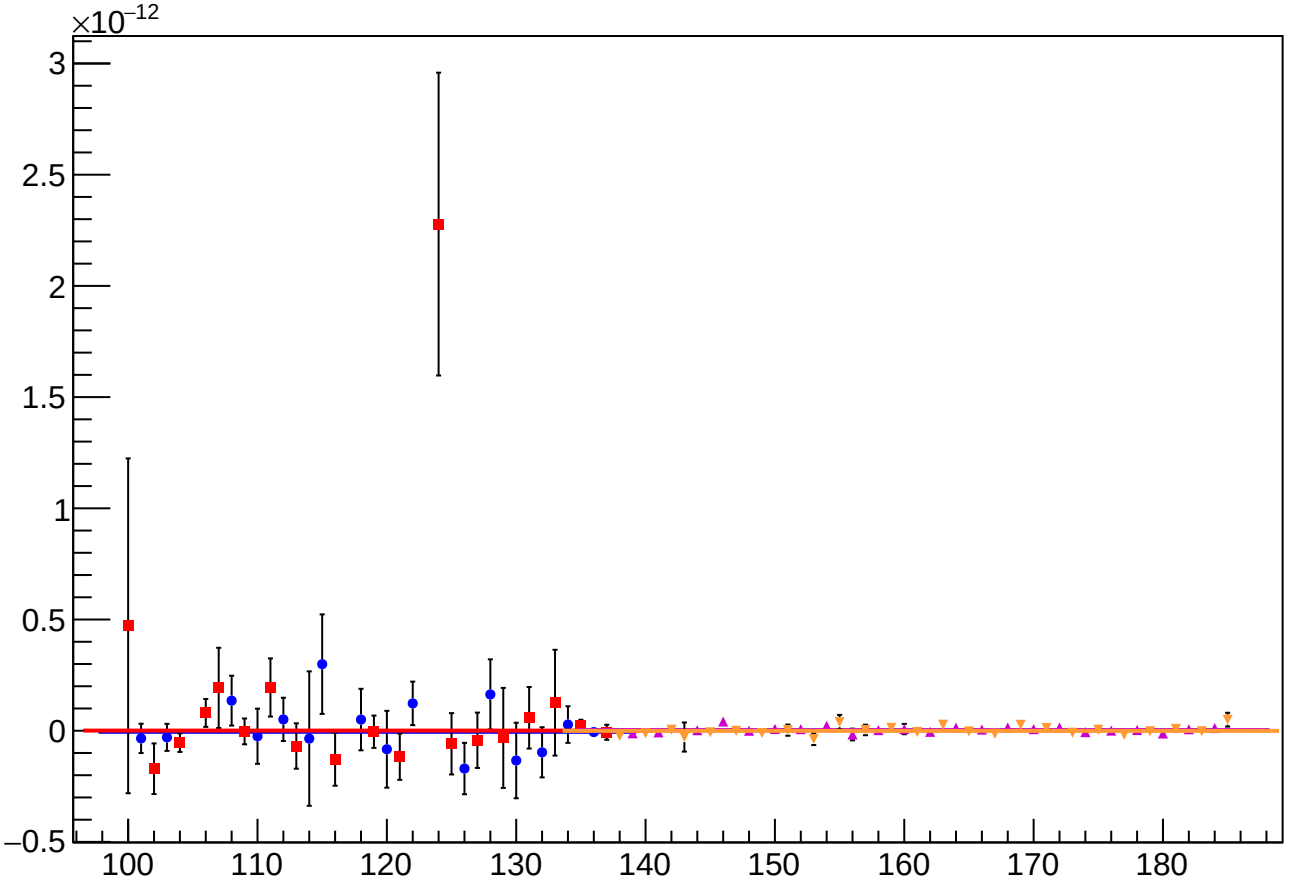
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.004+/-0.010 χ^2/NDF: 14840829.2/40

All: 57.900+/-0.007 χ^2/NDF: 29120768.5/82

- 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:18.8/24

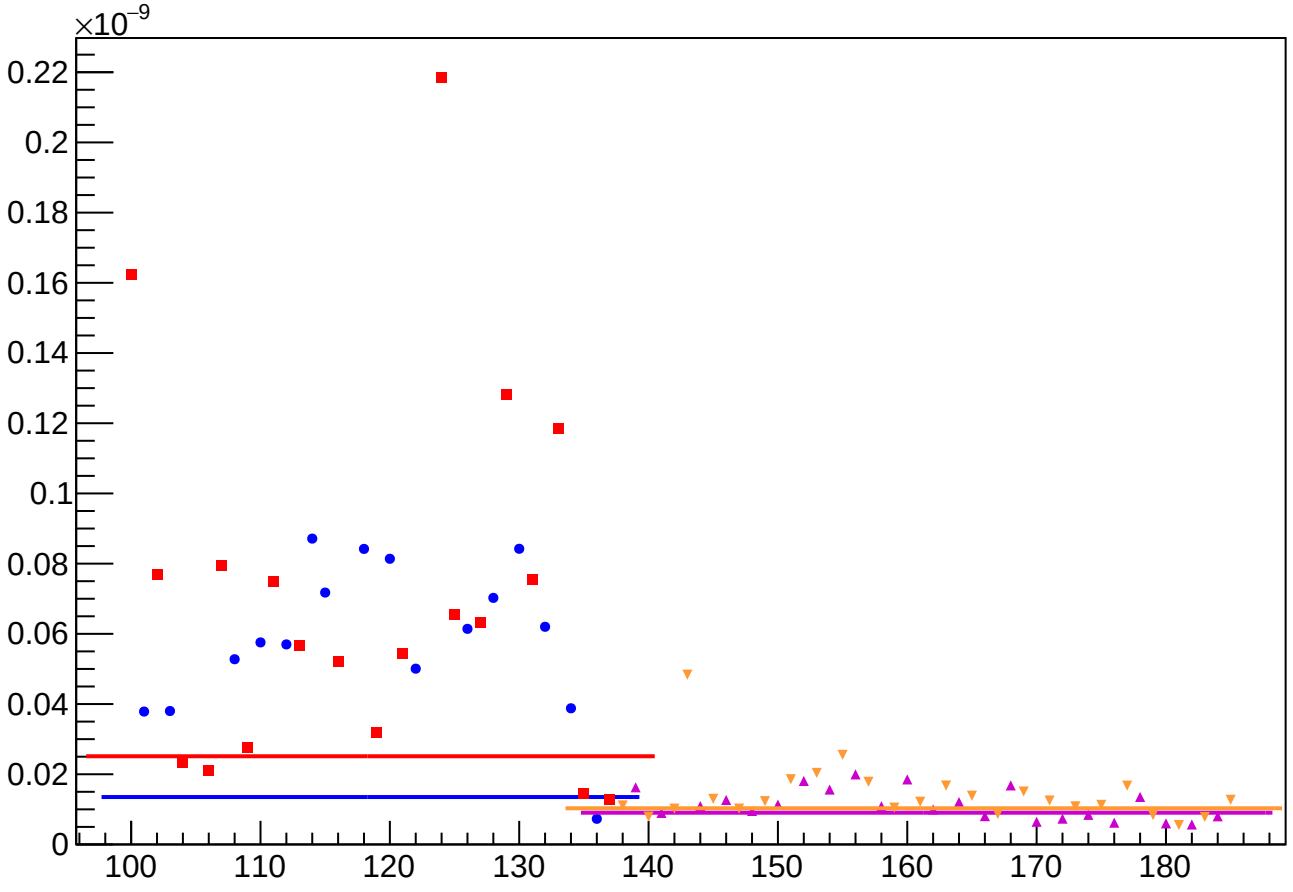
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/40

All: 0.000+/-0.000 χ^2/NDF: 71.2/82

- sign 0.000+/-0.000 χ^2/NDF: 40.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

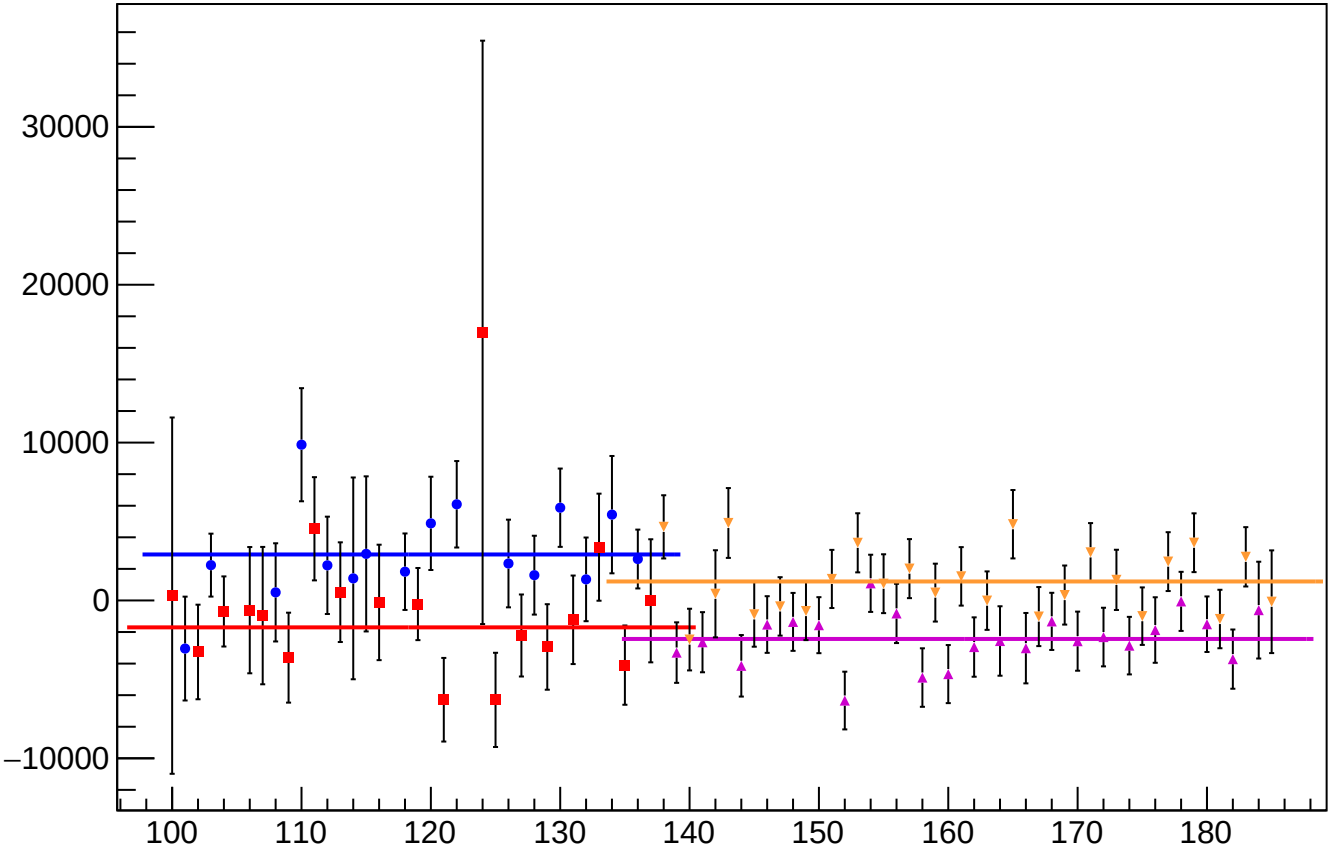
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8815397.7/40

All: 0.000+/-0.000 χ^2/NDF: 17766234.1/82

- 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: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

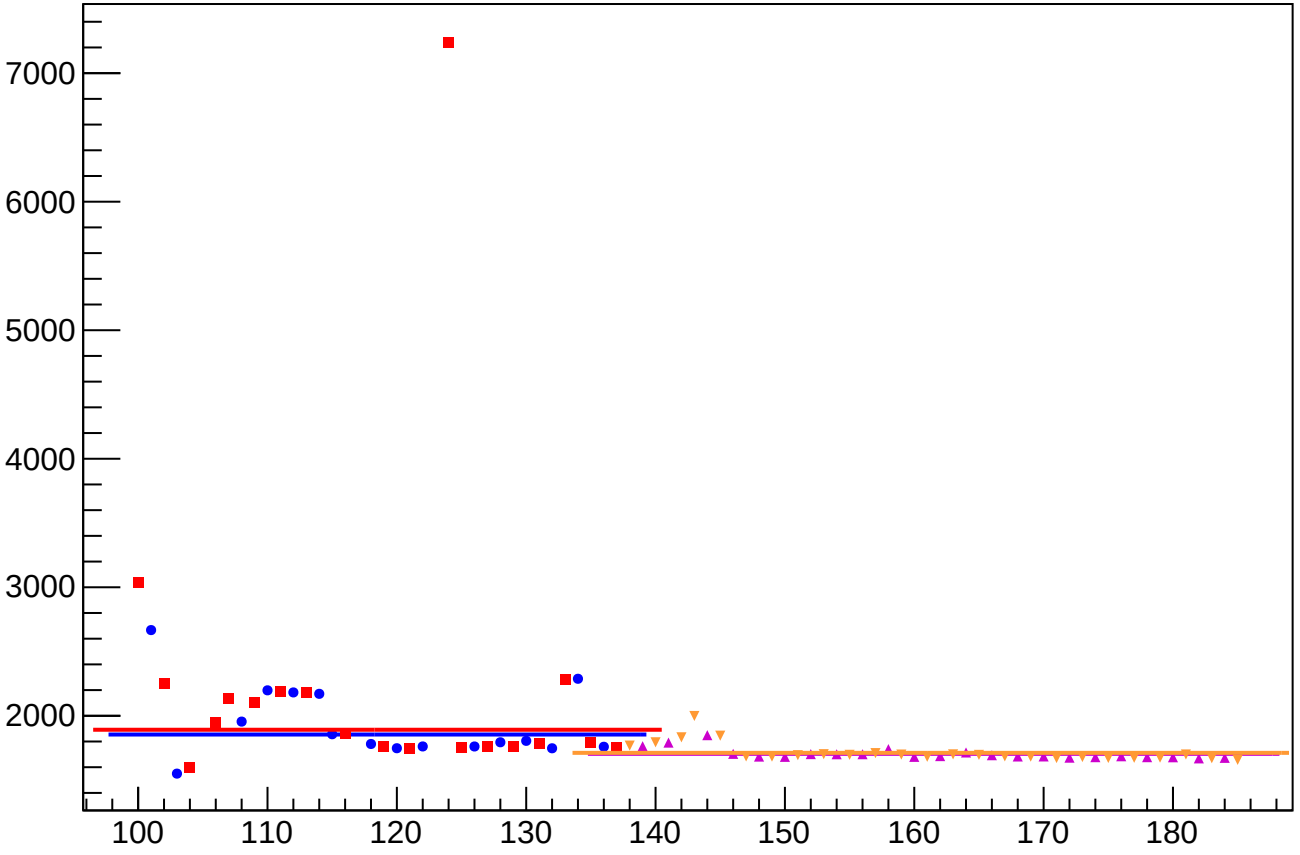
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1610.619+/-339.545 χ^2/NDF: 43.4/40

All: -285.006+/-242.613 χ^2/NDF: 141.2/82

- 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: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

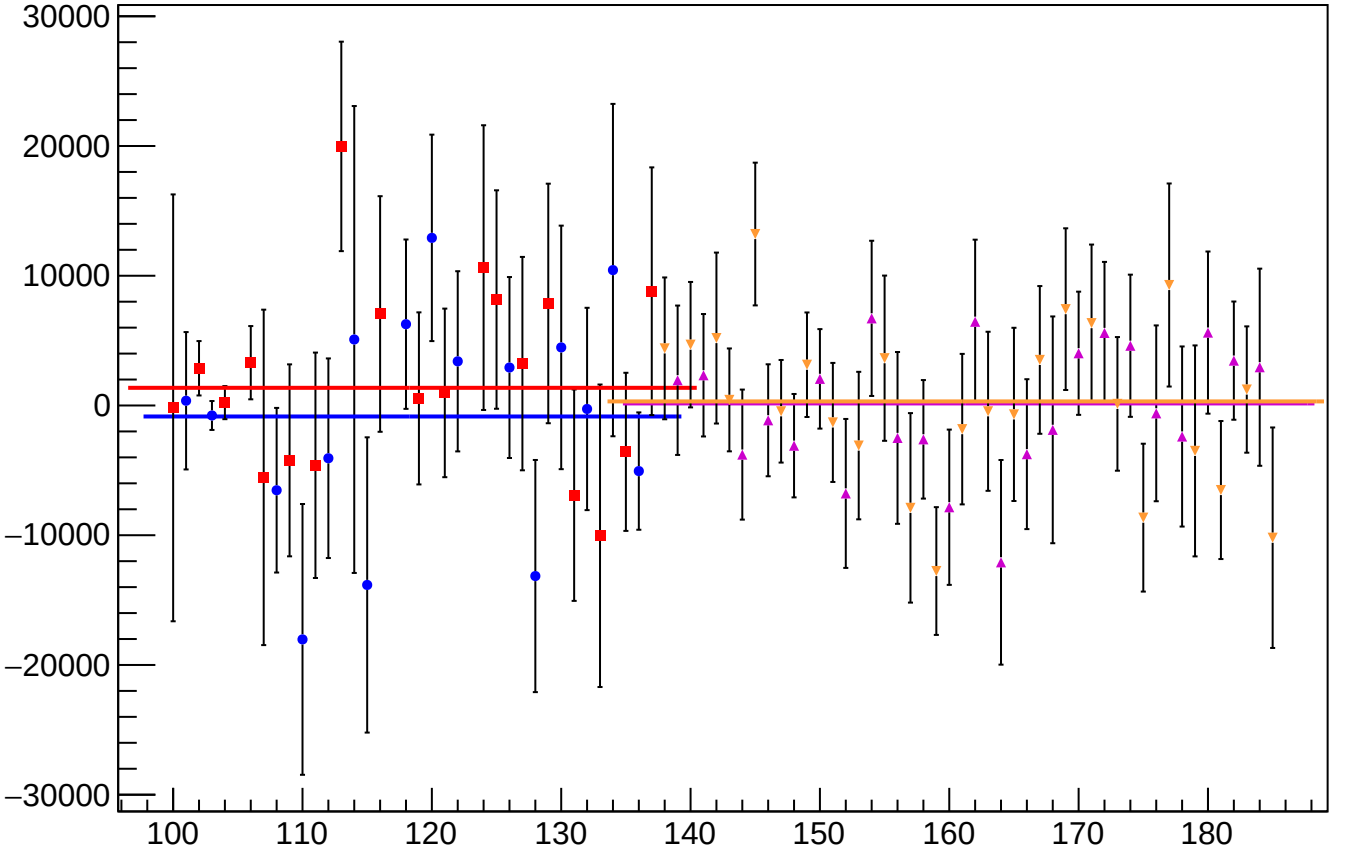
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1745.792+/-0.240 χ^2/NDF: 387427.8/40

All: 1747.490+/-0.172 χ^2/NDF: 881382.3/82

- 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: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

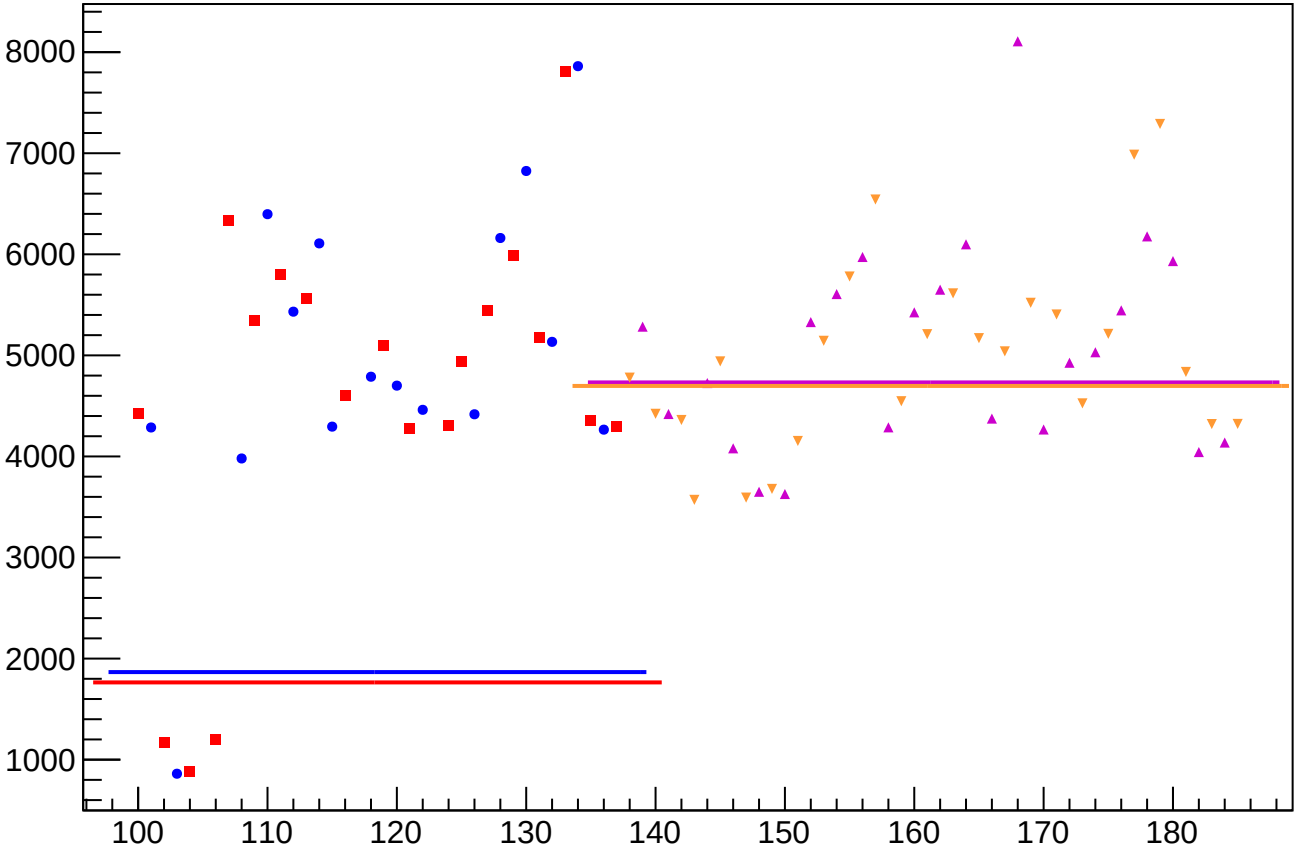
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -339.657+/-722.227 χ^2/NDF: 41.5/40

All: 281.384+/-506.730 χ^2/NDF: 72.4/82

- 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: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

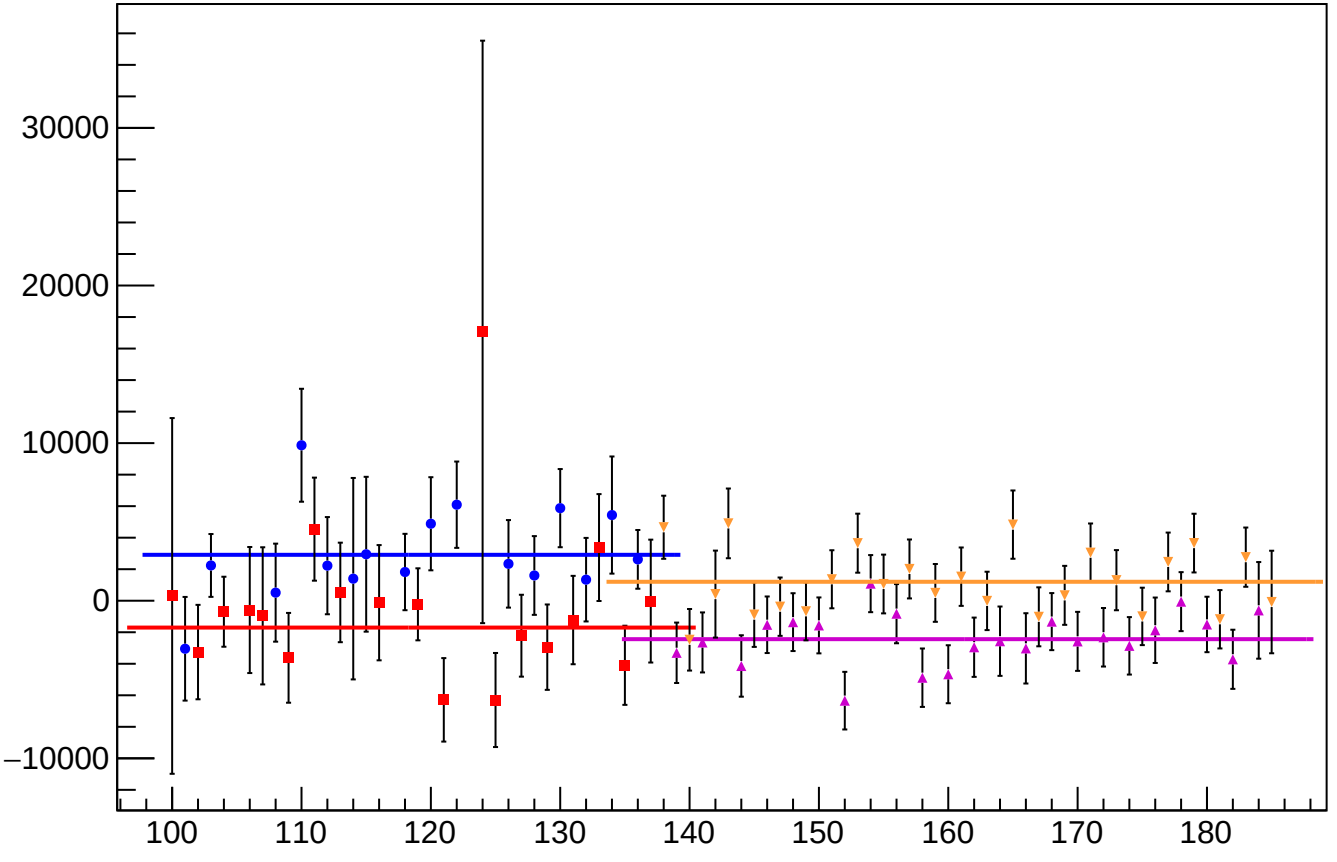
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3104.900+/-0.511 χ^2/NDF: 15652412.8/40

All: 3022.751+/-0.358 χ^2/NDF: 31722462.8/8

- 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: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

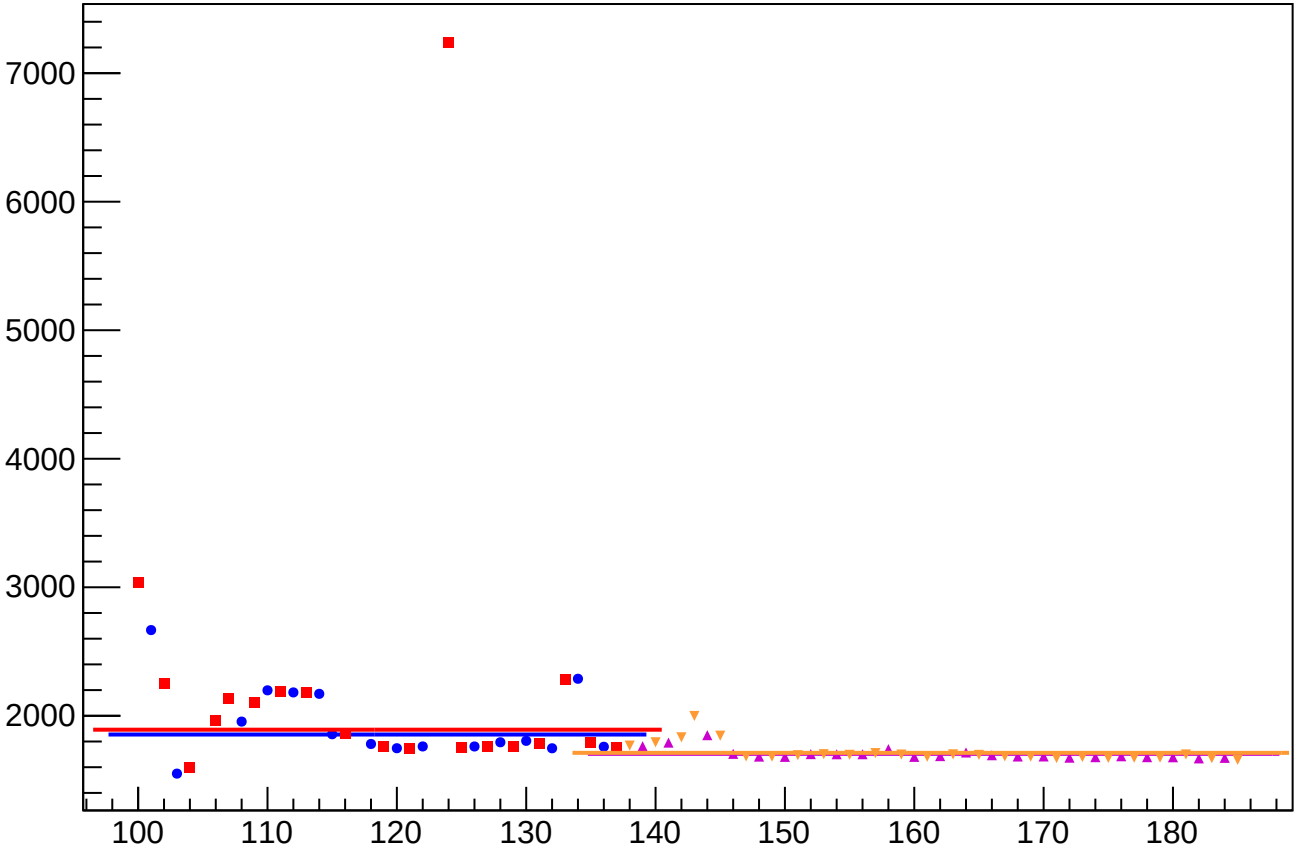
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1610.569+/-339.545 χ^2/NDF: 43.4/40

All: -284.843+/-242.613 χ^2/NDF: 141.2/82

- 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: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

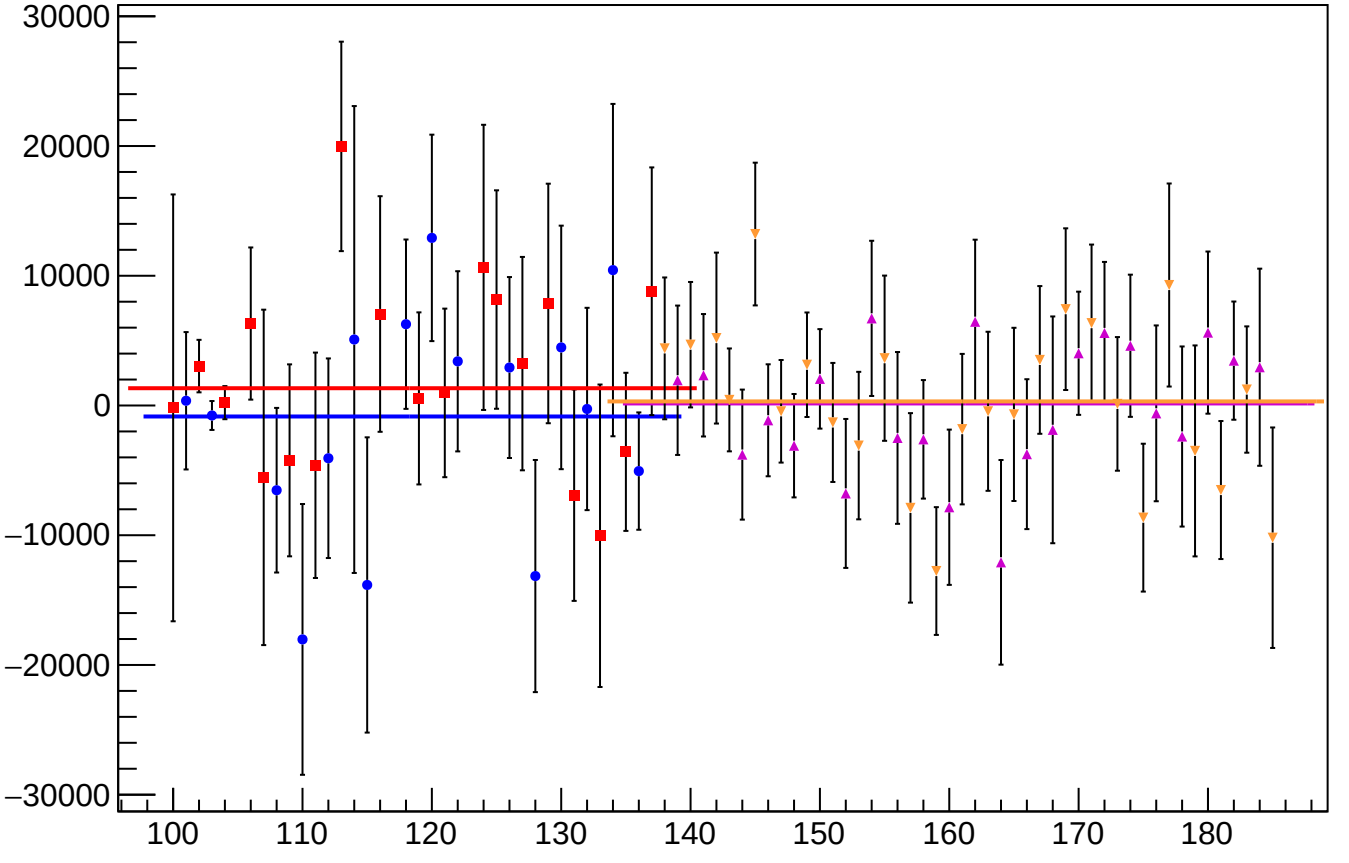
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1745.792+/-0.240 χ^2/NDF: 387427.7/40

All: 1747.536+/-0.172 χ^2/NDF: 882117.3/82

- 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: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

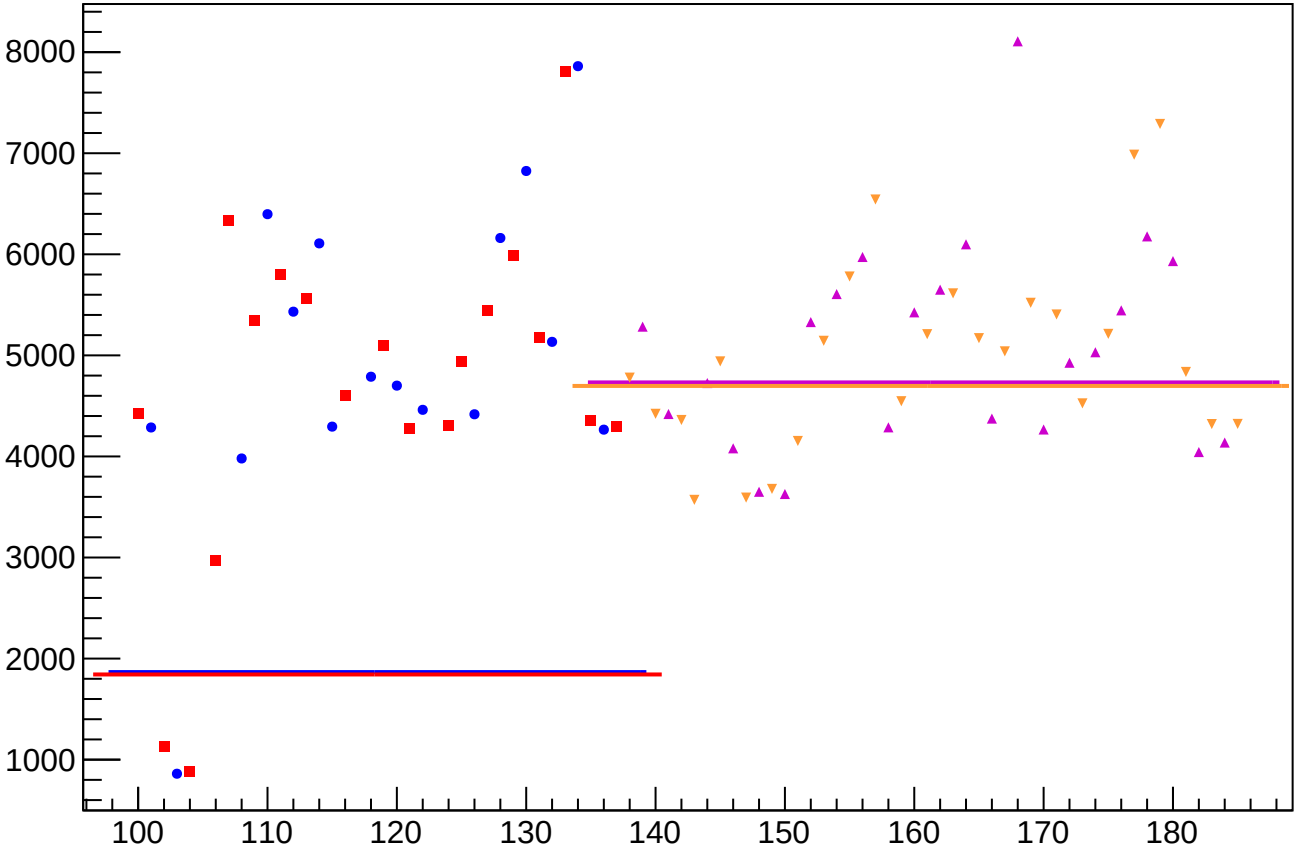
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -339.407+/-722.204 χ^2/NDF: 41.5/40

All: 250.139+/-511.987 χ^2/NDF: 72.6/82

- 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: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

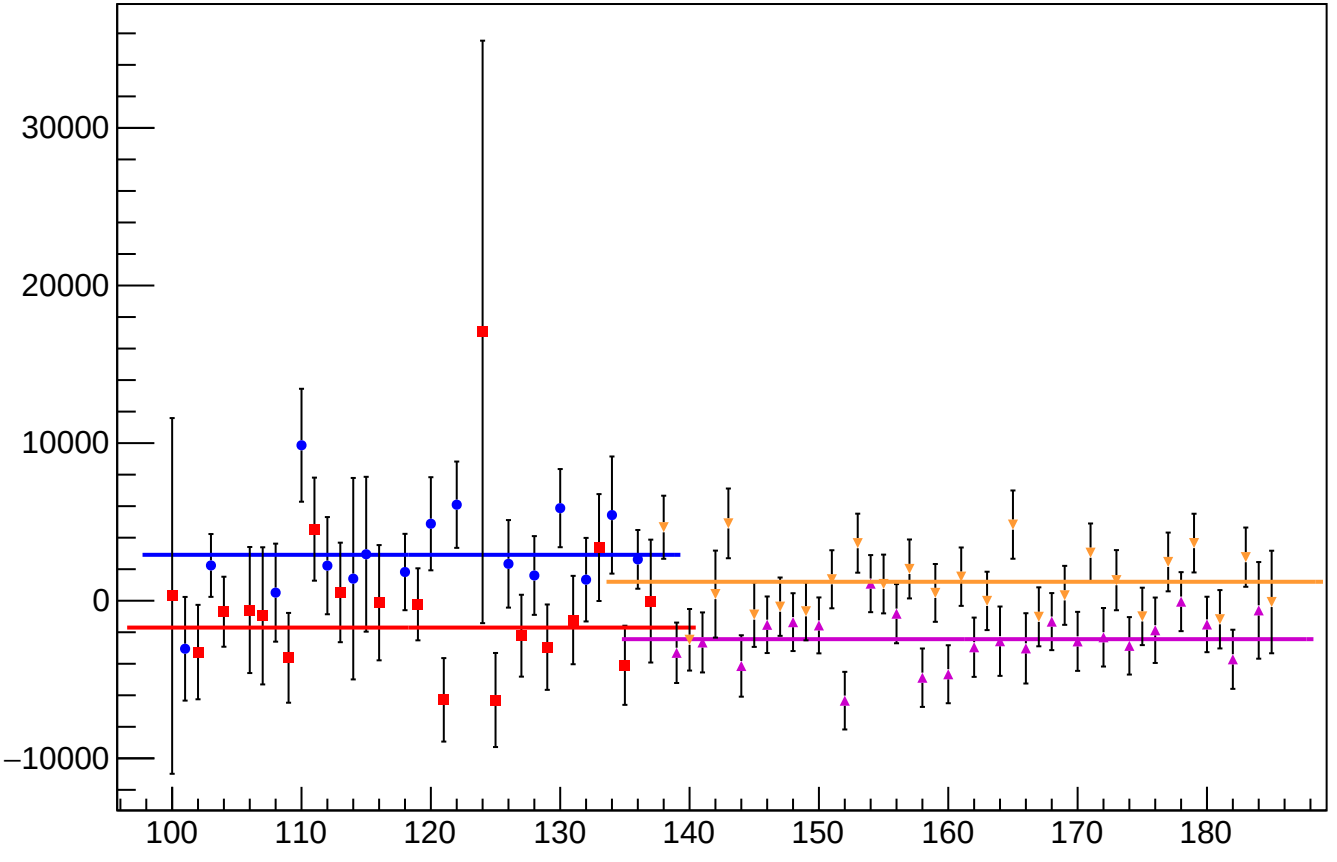
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3104.735+/-0.511 χ^2/NDF: 15654021.0/40

All: 3071.874+/-0.362 χ^2/NDF: 31050454.5/8

- 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: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

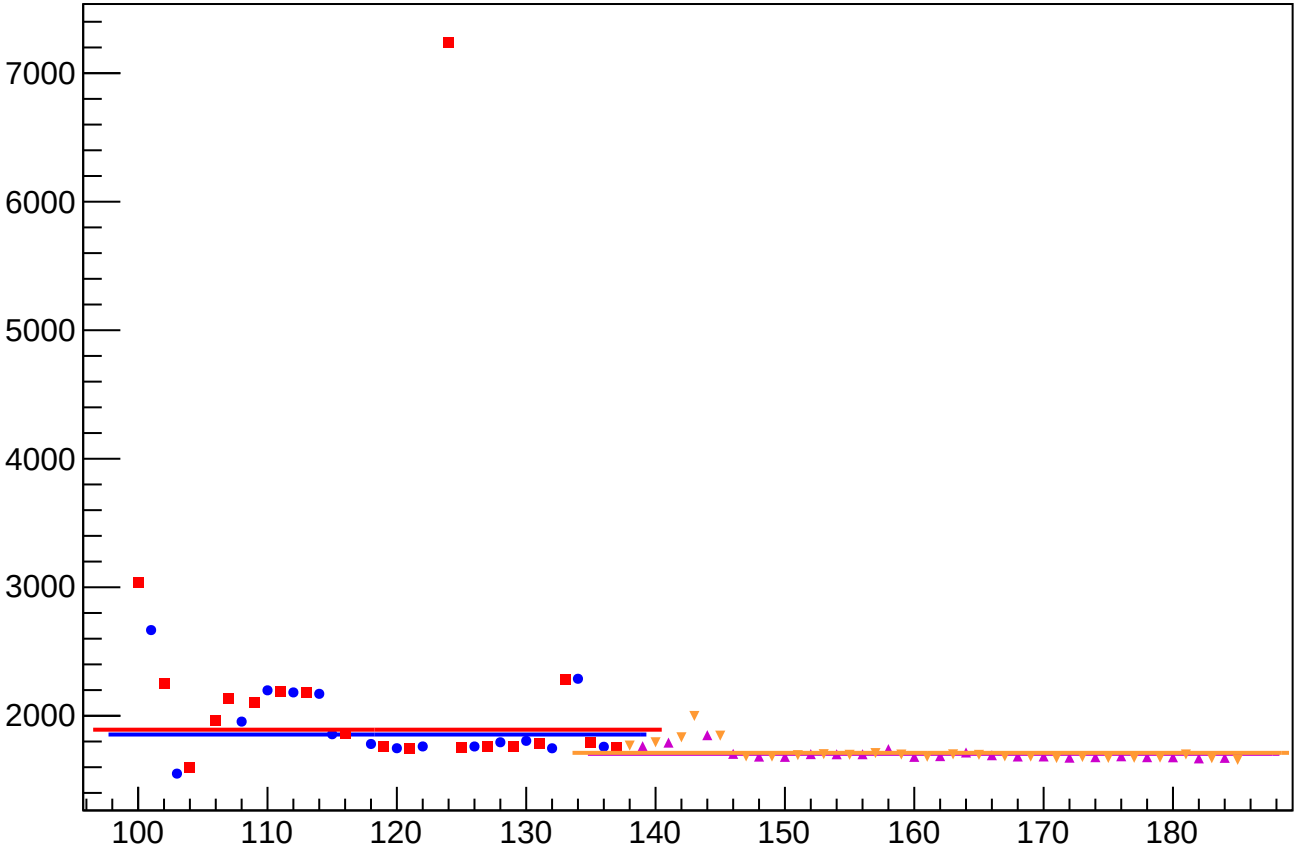
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1610.569+/-339.545 χ^2/NDF: 43.4/40

All: -284.843+/-242.613 χ^2/NDF: 141.2/82

- 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: 1711.777+/-0.275 χ^2/NDF:60068.7/24

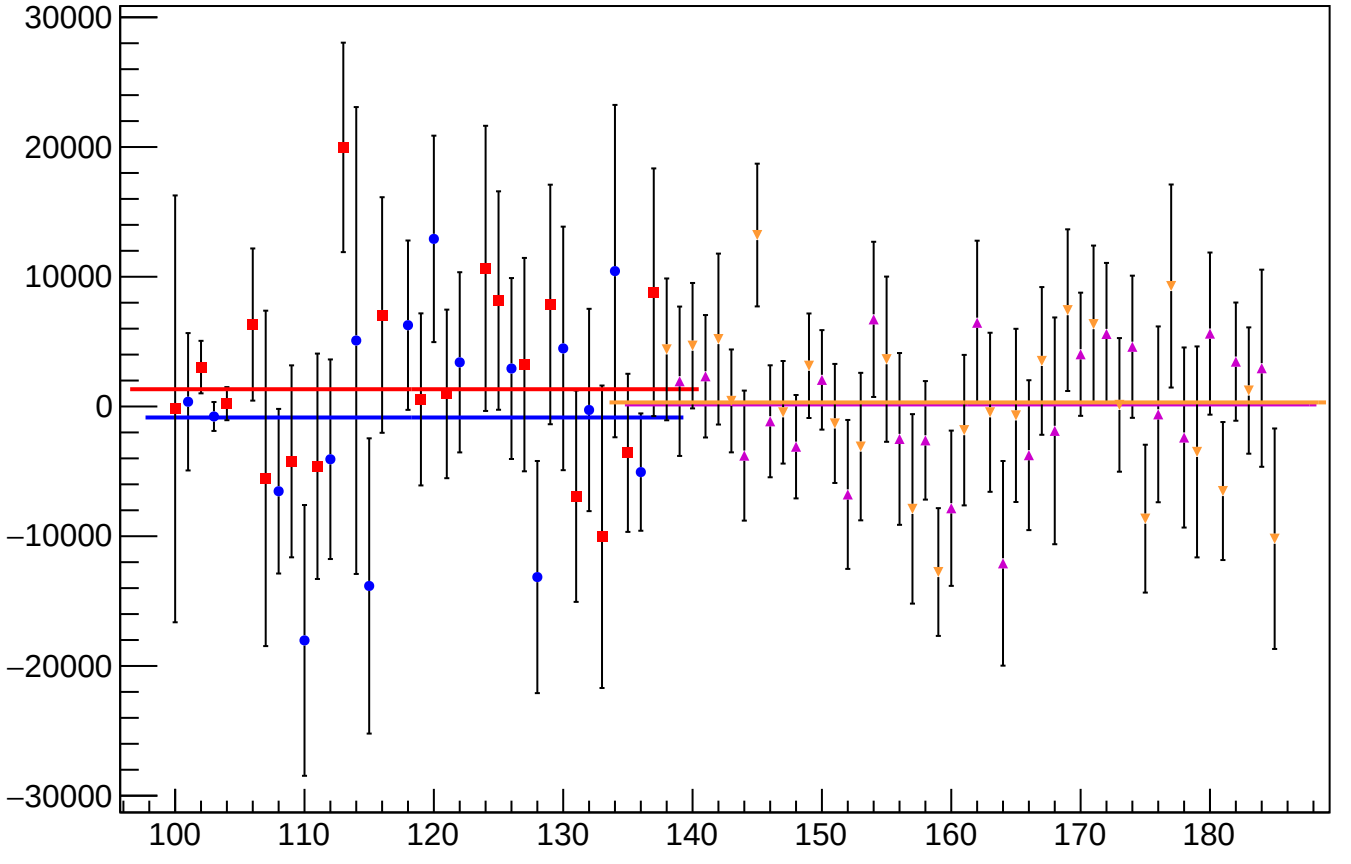
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1745.792+/-0.240 χ^2/NDF: 387427.7/40

All: 1747.536+/-0.172 χ^2/NDF: 882117.3/82

- 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: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

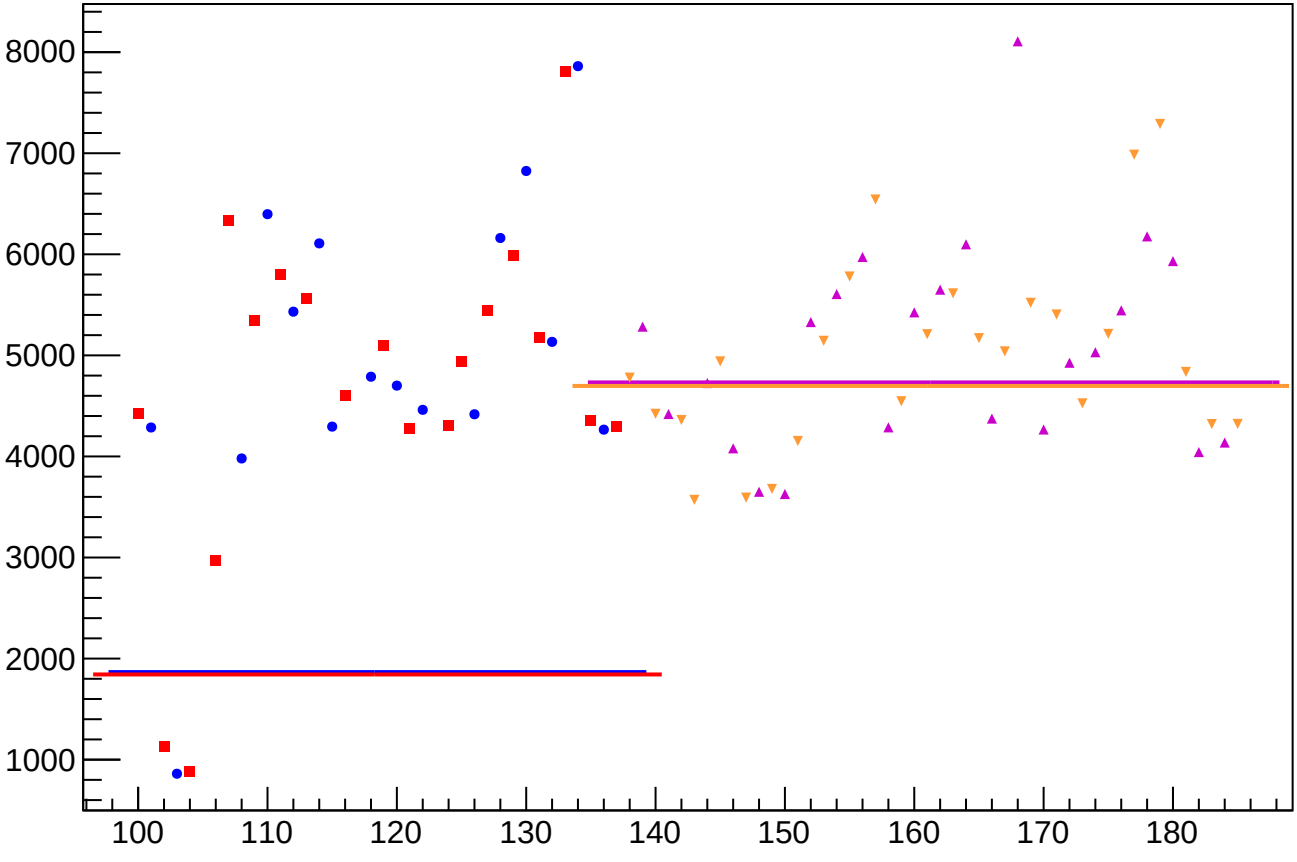
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -339.407+/-722.204 χ^2/NDF: 41.5/40

All: 250.139+/-511.987 χ^2/NDF: 72.6/82

- 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: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

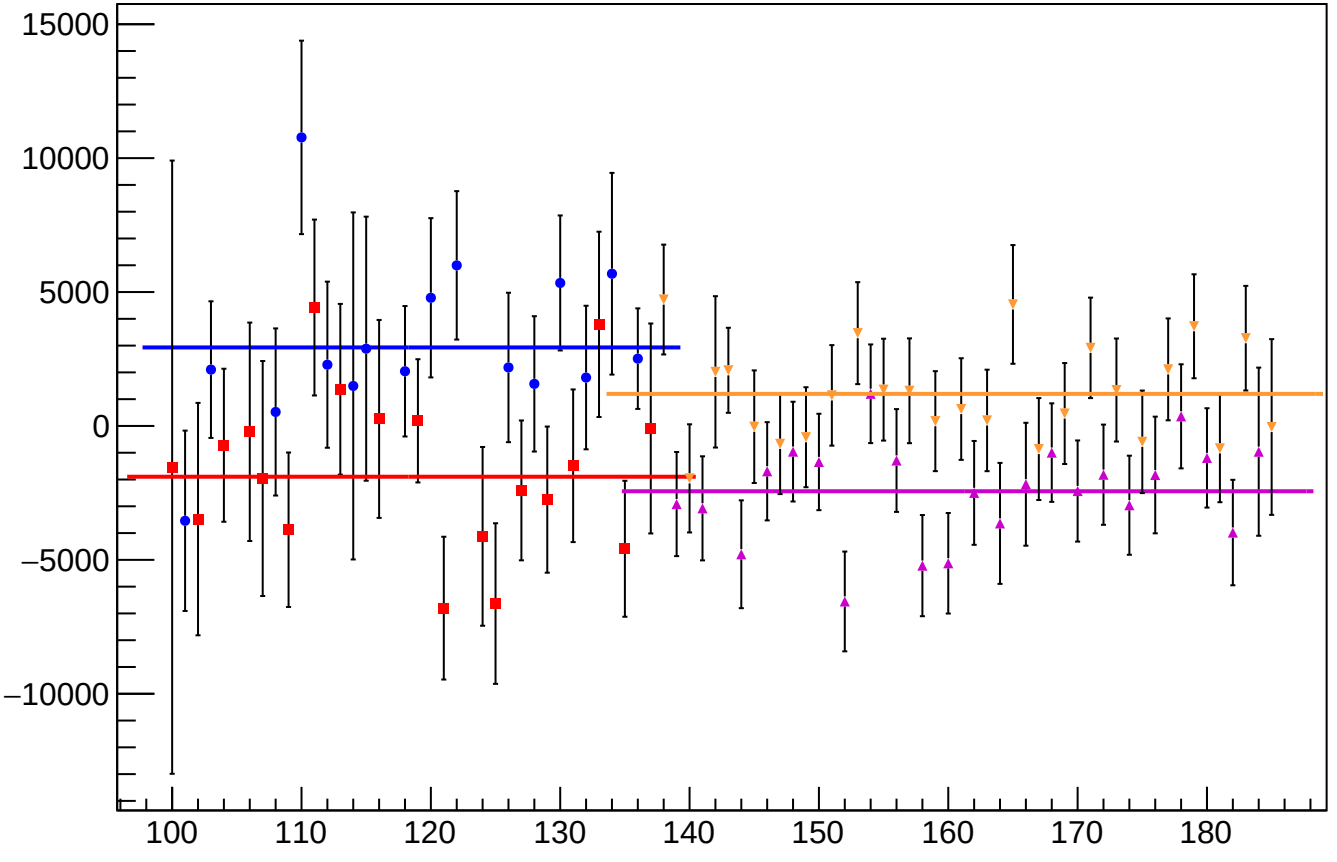
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3104.735+/-0.511 χ^2/NDF: 15654021.0/40

All: 3071.874+/-0.362 χ^2/NDF: 31050454.5/8

- 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: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

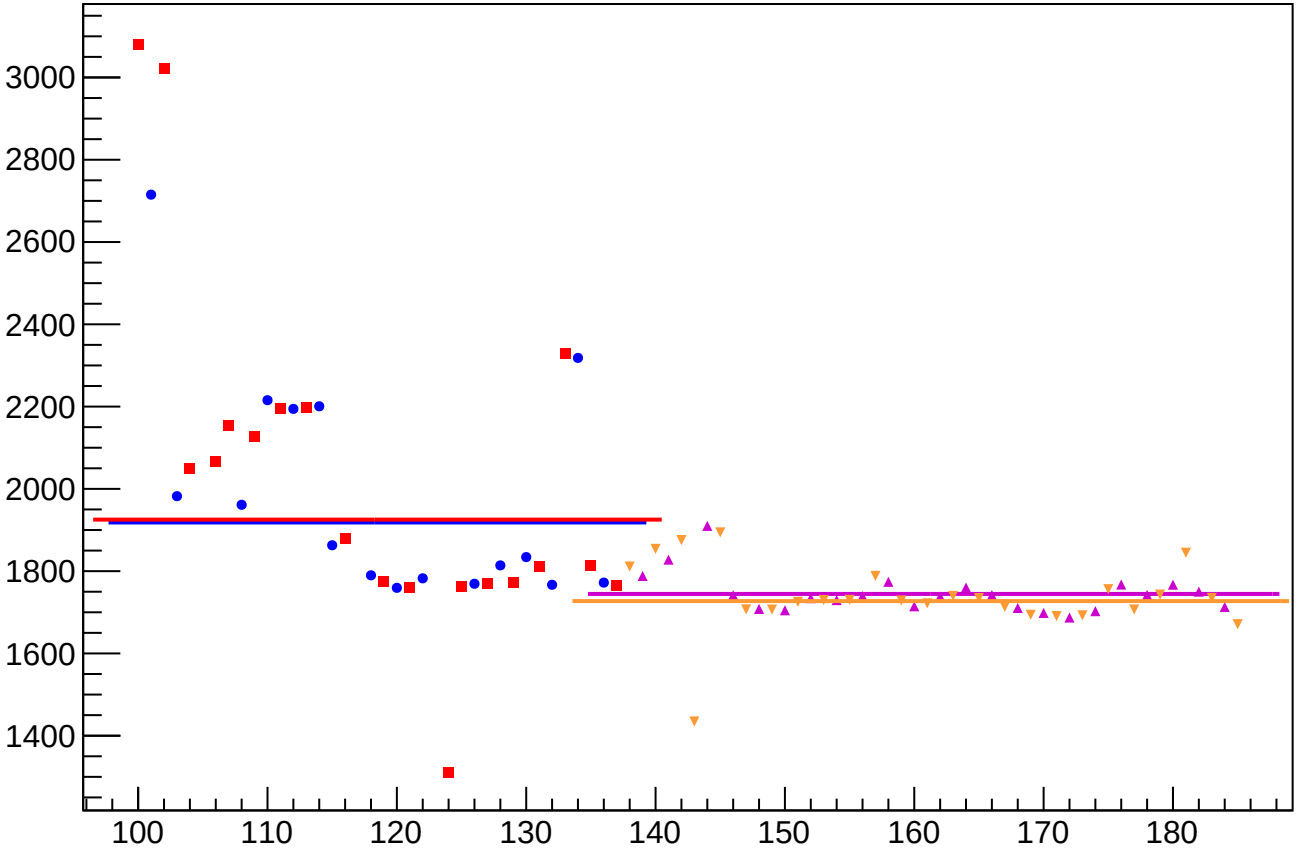
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1596.886+/-344.759 χ^2/NDF: 37.0/40

All: -298.422+/-247.291 χ^2/NDF: 137.6/82

- 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: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

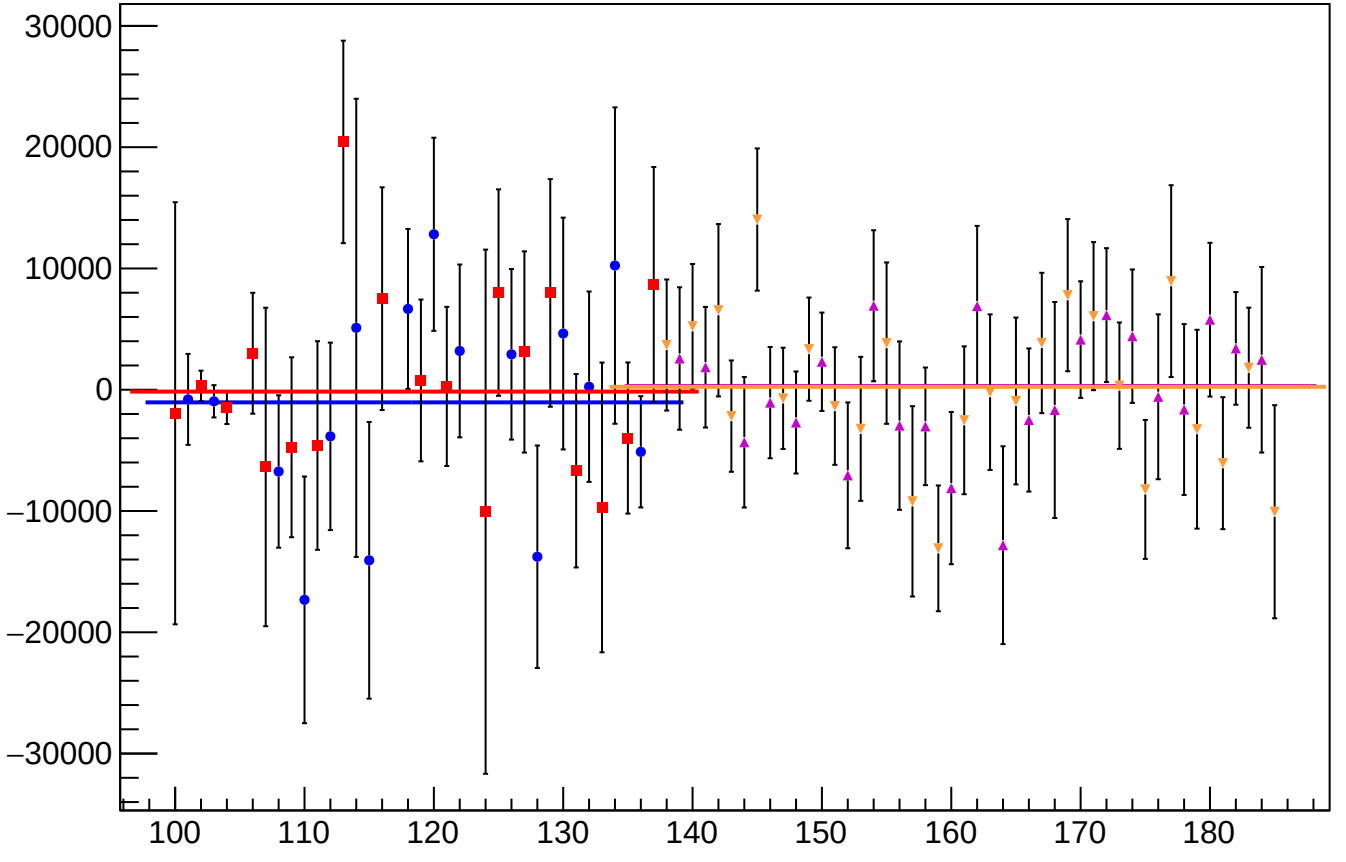
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1771.265+/-0.244 χ^2/NDF: 434848.5/40

All: 1779.555+/-0.175 χ^2/NDF: 898179.8/82

- 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: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

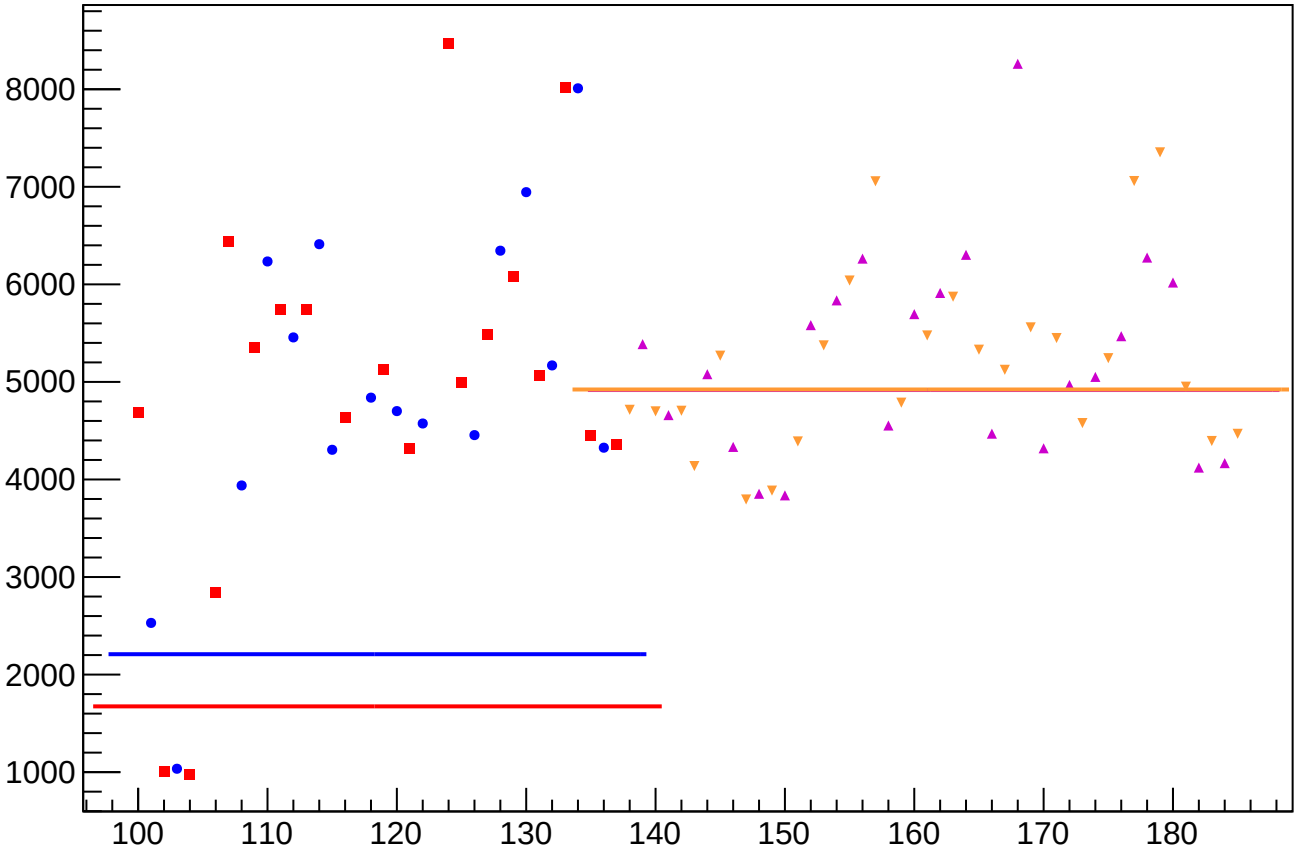
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -440.090+/-781.418 χ^2/NDF: 41.2/40

All: -188.866+/-513.060 χ^2/NDF: 69.7/82

- 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: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

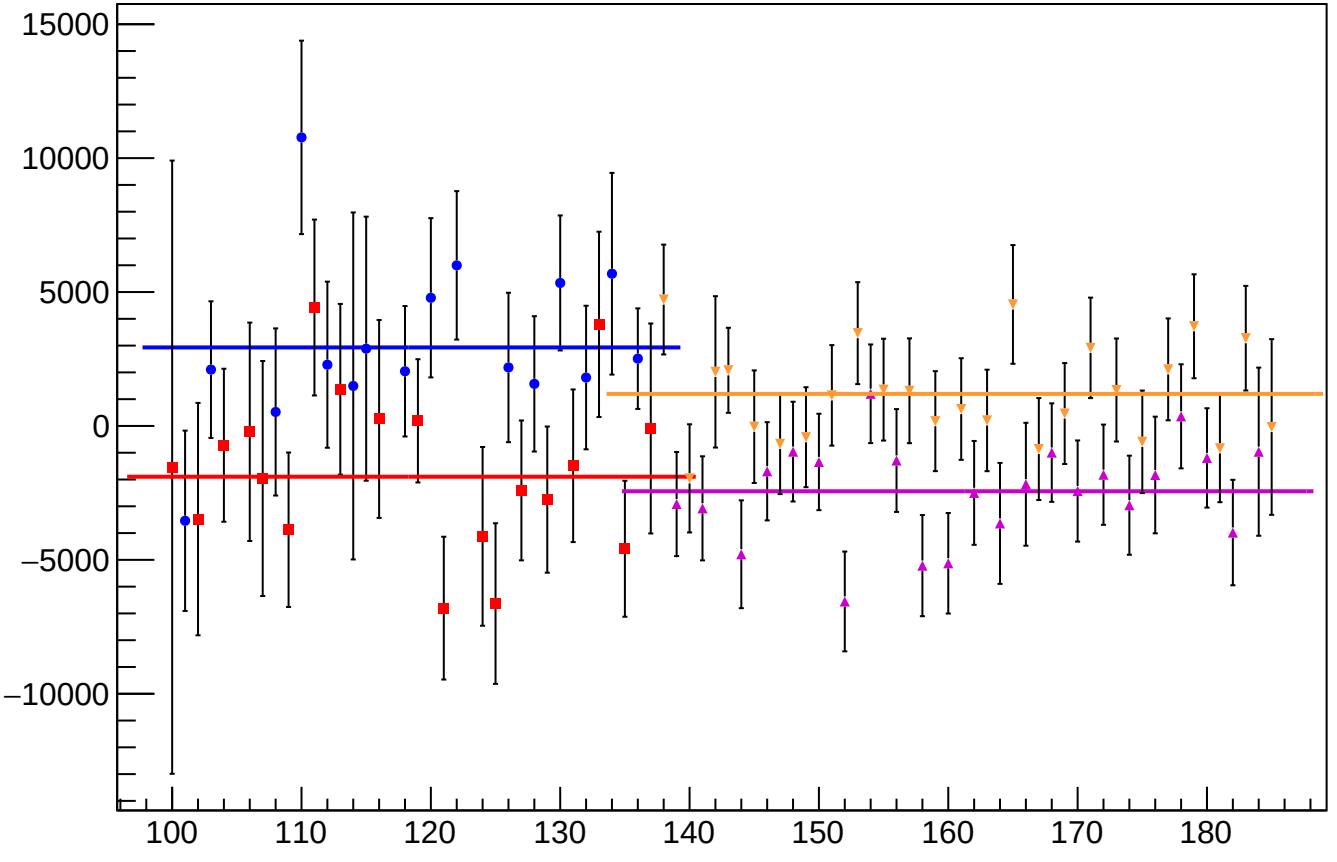
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3481.682+/-0.553 χ^2/NDF: 12555432.0/40

All: 3075.856+/-0.363 χ^2/NDF: 31680592.9/8

- 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: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

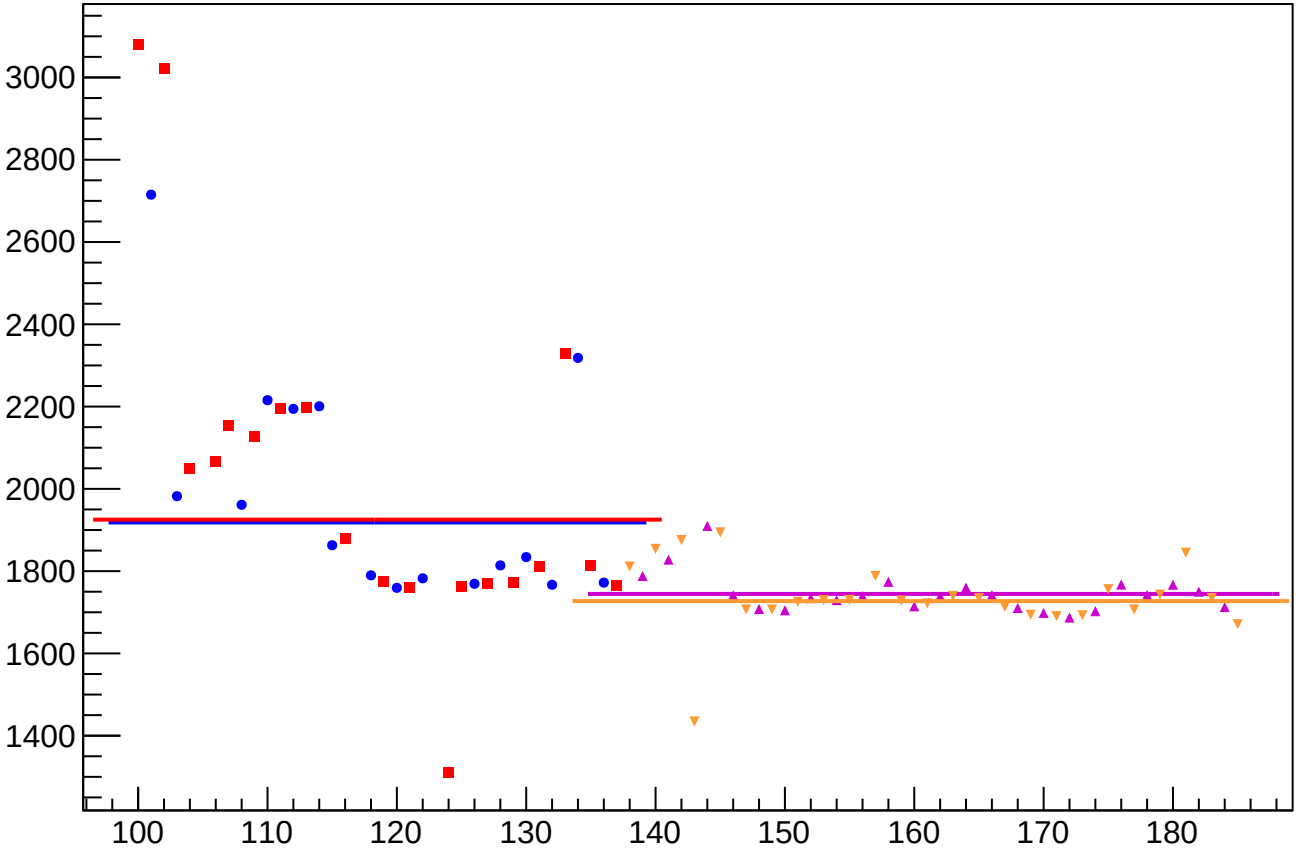
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1596.882+/-344.759 χ^2/NDF: 37.0/40

All: -298.424+/-247.291 χ^2/NDF: 137.6/82

- 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: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

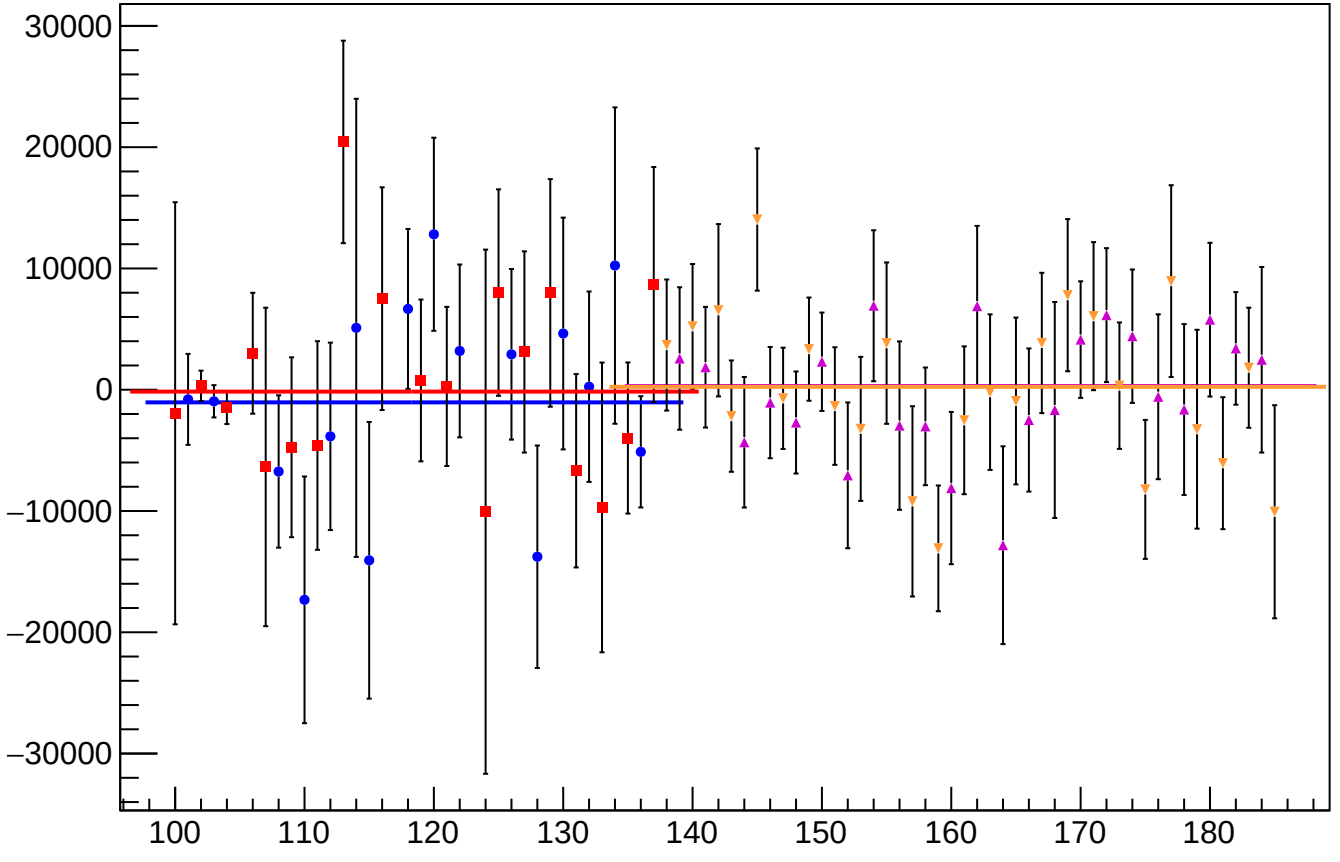
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1771.265+/-0.244 χ^2/NDF: 434846.0/40

All: 1779.556+/-0.175 χ^2/NDF: 898174.9/82

- sign 1788.338+/-0.251 χ^2/NDF: 460947.2/41

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

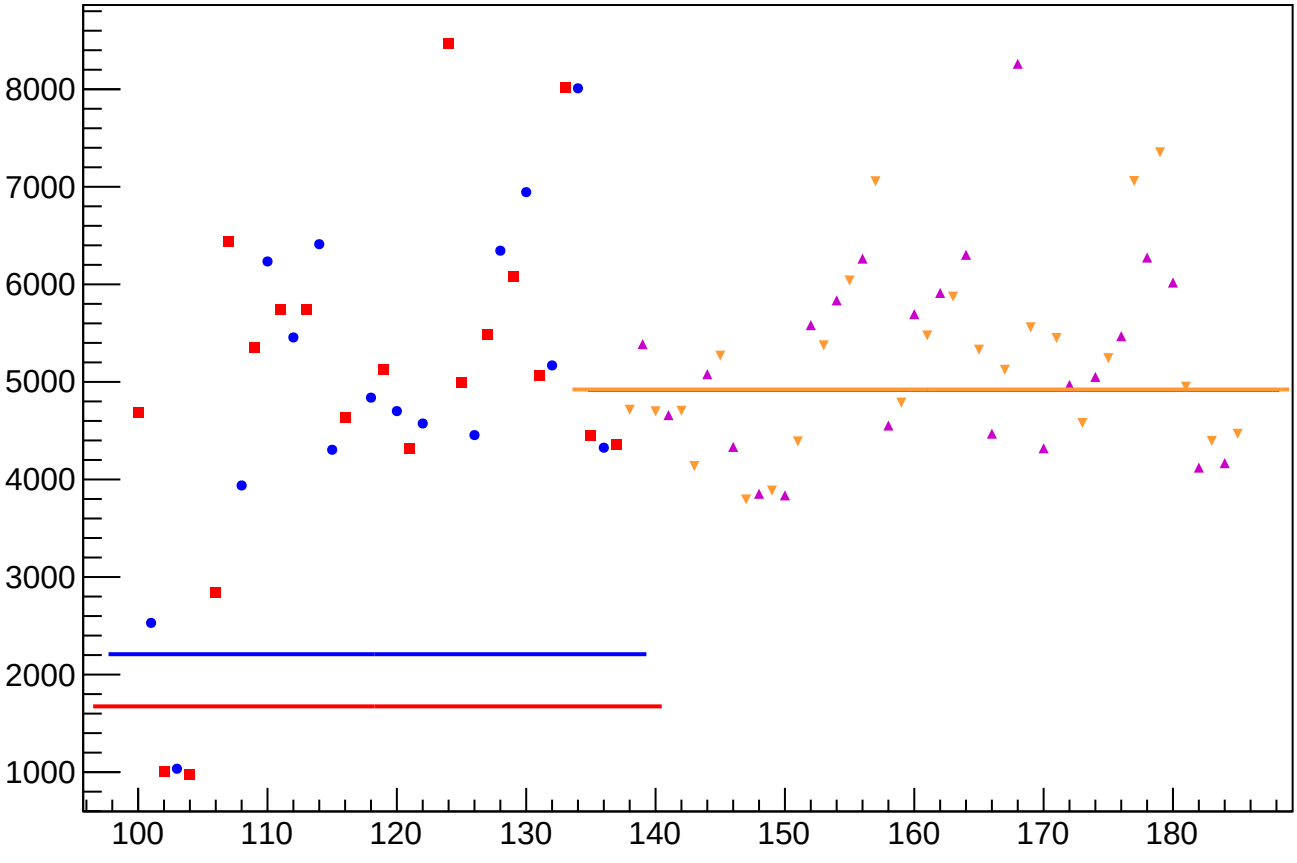
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

\+ sign -440.091+/-781.418 χ^2/NDF: 41.2/40

All: -188.864+/-513.060 χ^2/NDF: 69.7/82

\- 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: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

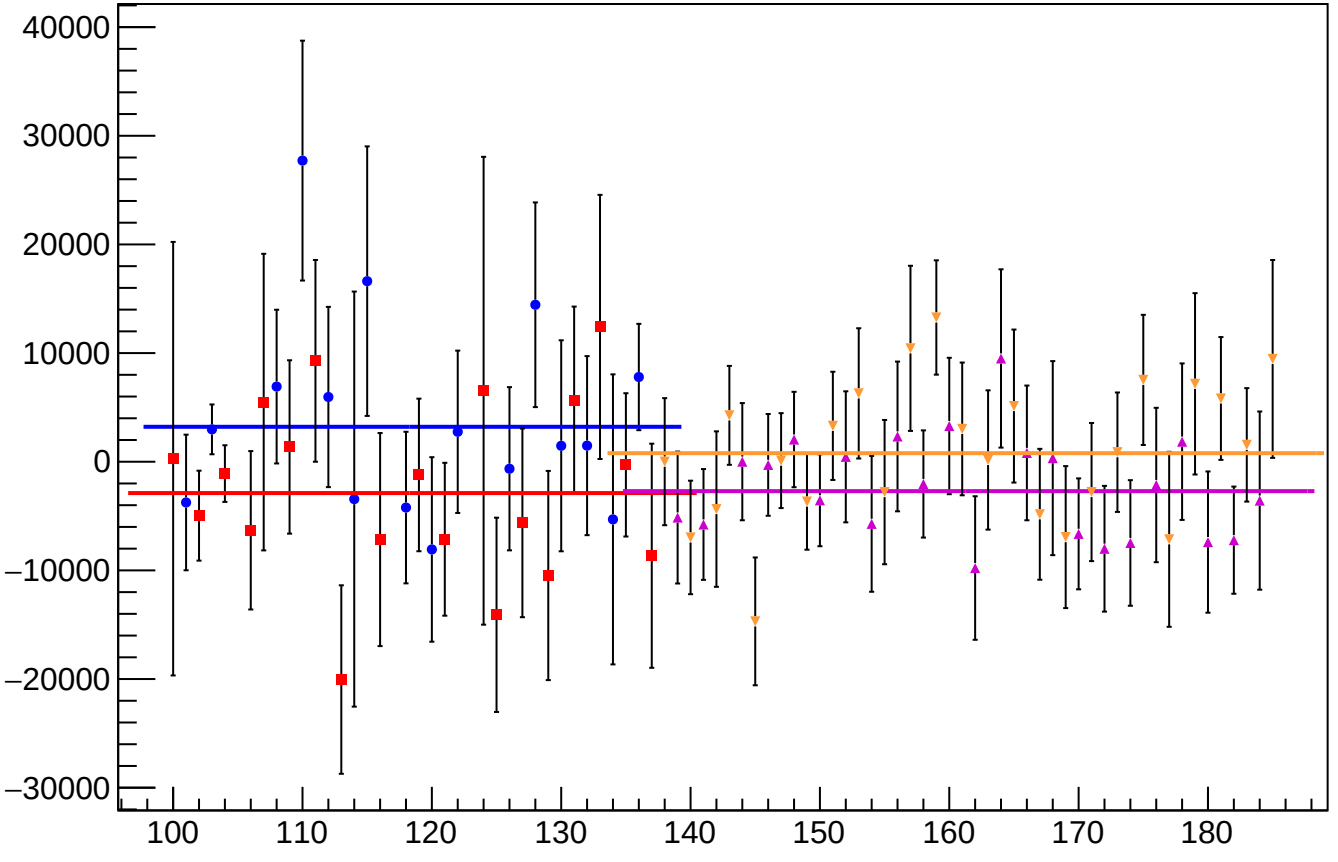
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3481.683+/-0.553 χ^2/NDF: 12555459.3/40

All: 3075.855+/-0.363 χ^2/NDF: 31680649.4/8

- 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: 787.965+/-1171.964 χ^2/NDF:27.6/24

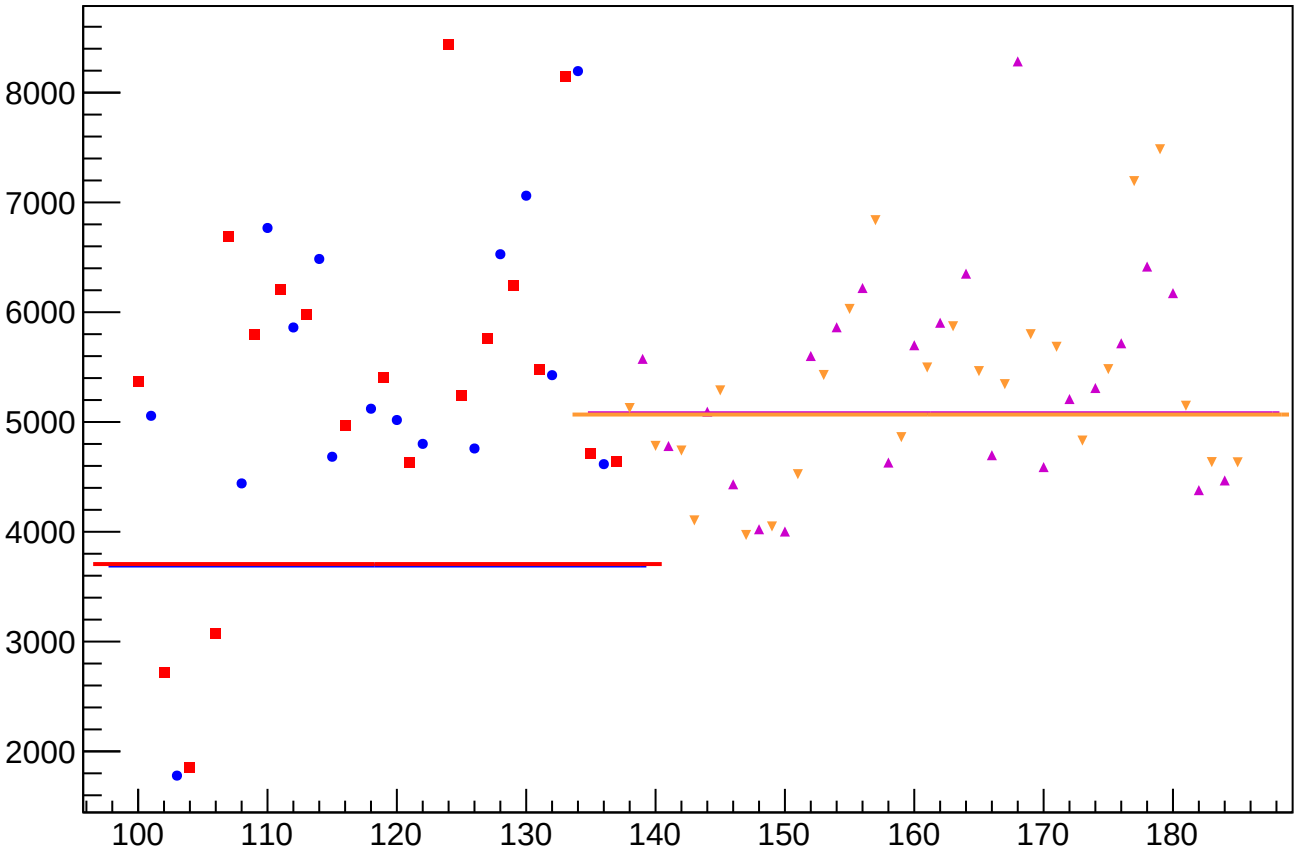
Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1678.866+/-932.453 χ^2/NDF: 43.0/40

All: -499.593+/-666.303 χ^2/NDF: 79.4/82

- sign -2772.515+/-952.455 χ^2/NDF: 25.3/41



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

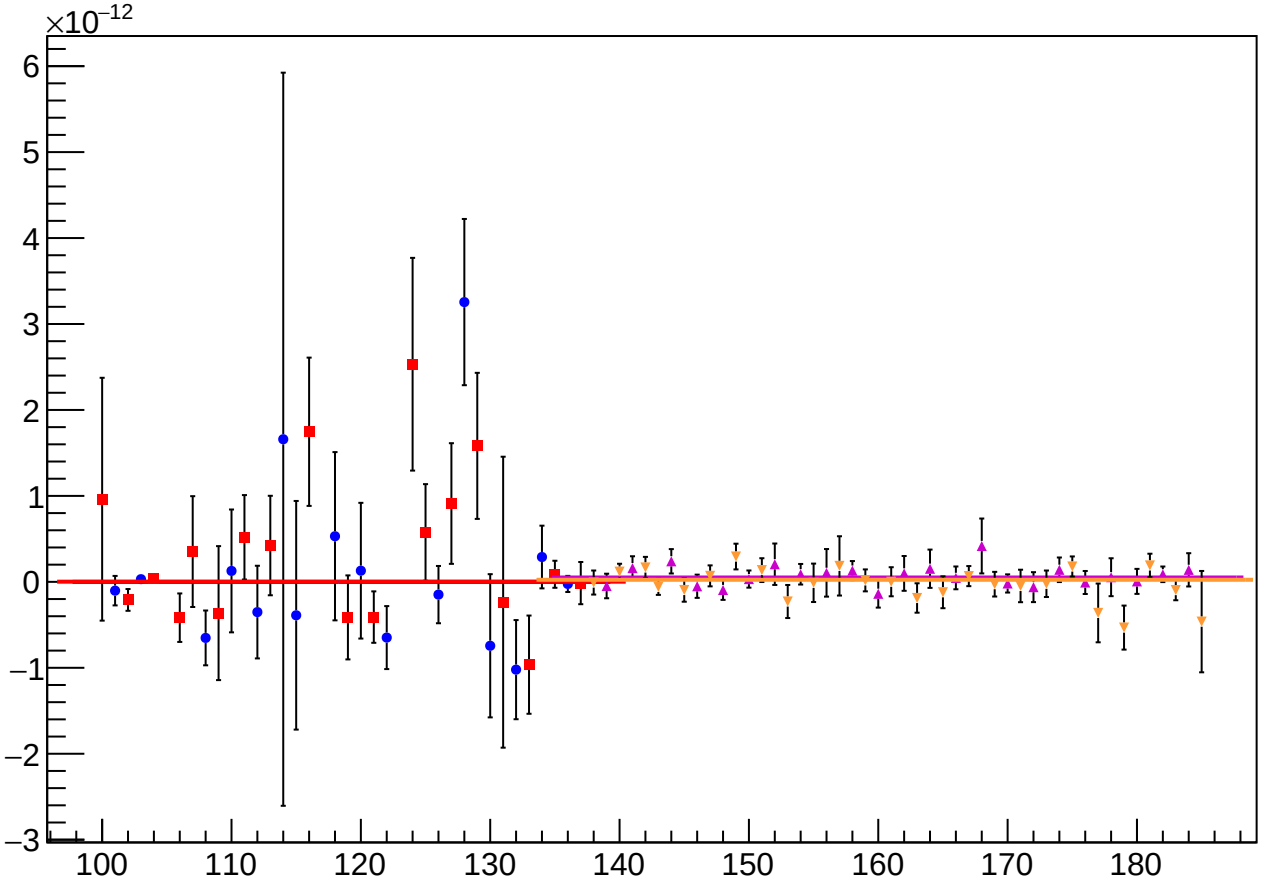
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4563.286+/-0.659 χ^2/NDF: 4850298.8/40

All: 4559.691+/-0.470 χ^2/NDF: 9524966.7/82

- 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:23.6/24

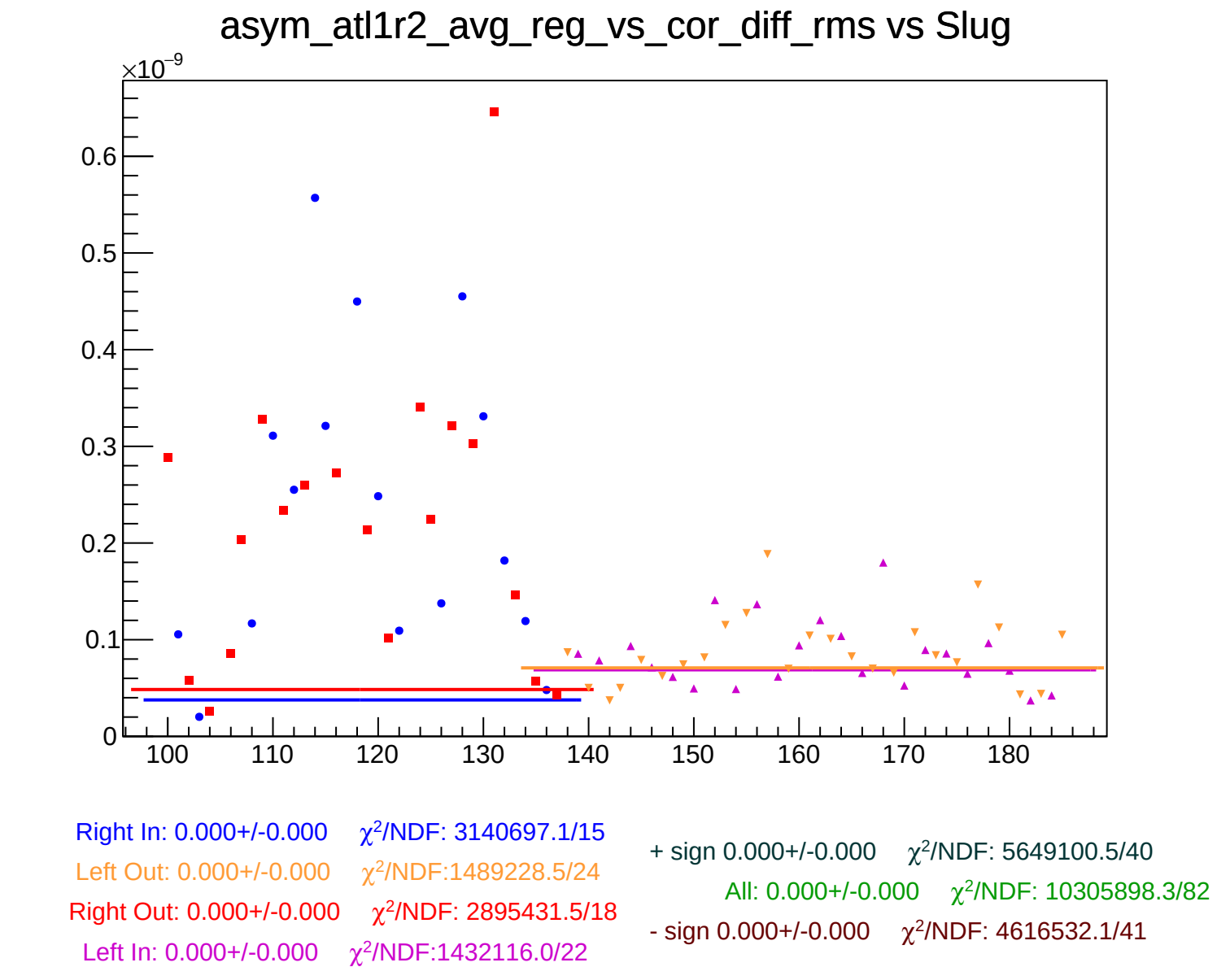
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

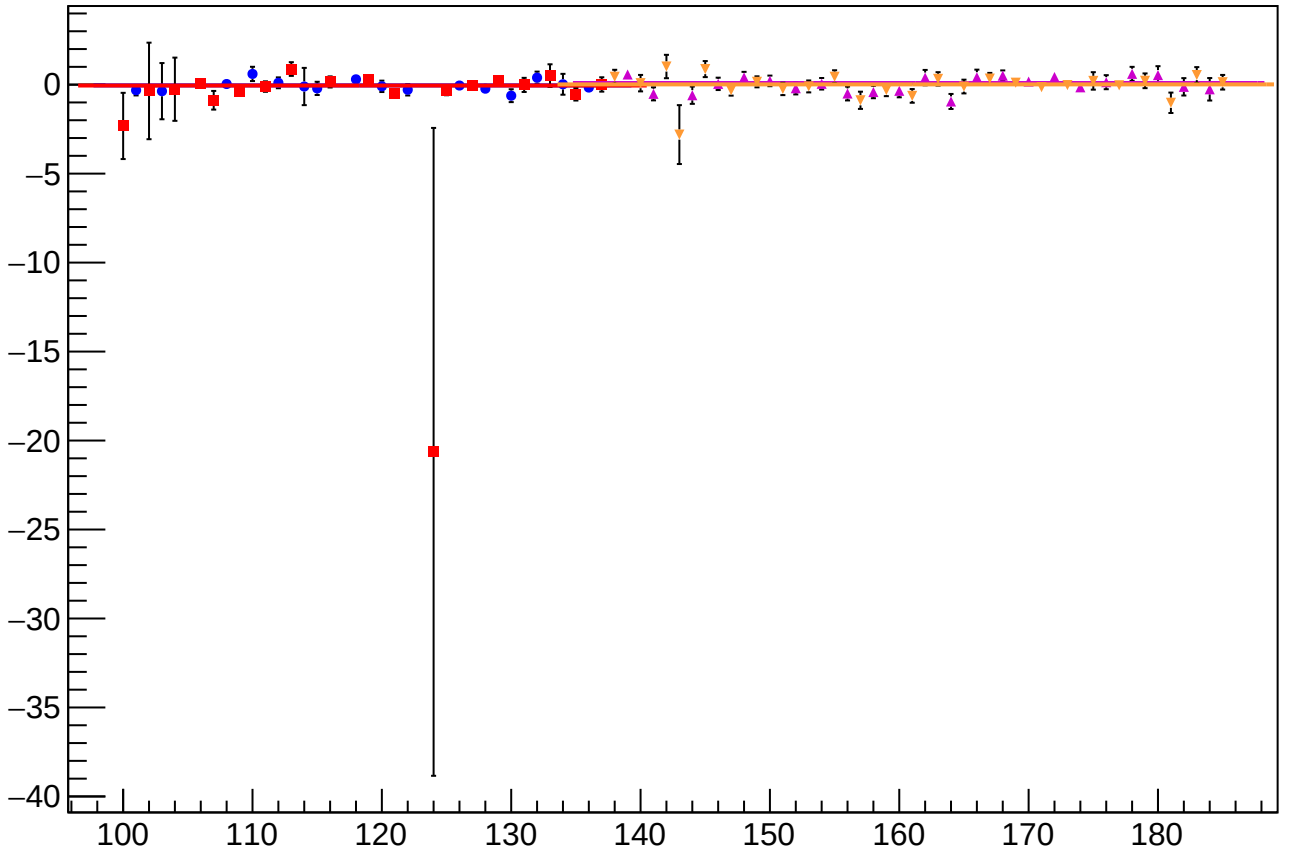
Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/40

All: 0.000+/-0.000 χ^2/NDF: 89.7/82

- 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:1489228.5/24
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: 5649100.5/40
All: 0.000+/-0.000 χ²/NDF: 10305898.3/82
- sign 0.000+/-0.000 χ²/NDF: 4616532.1/41



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

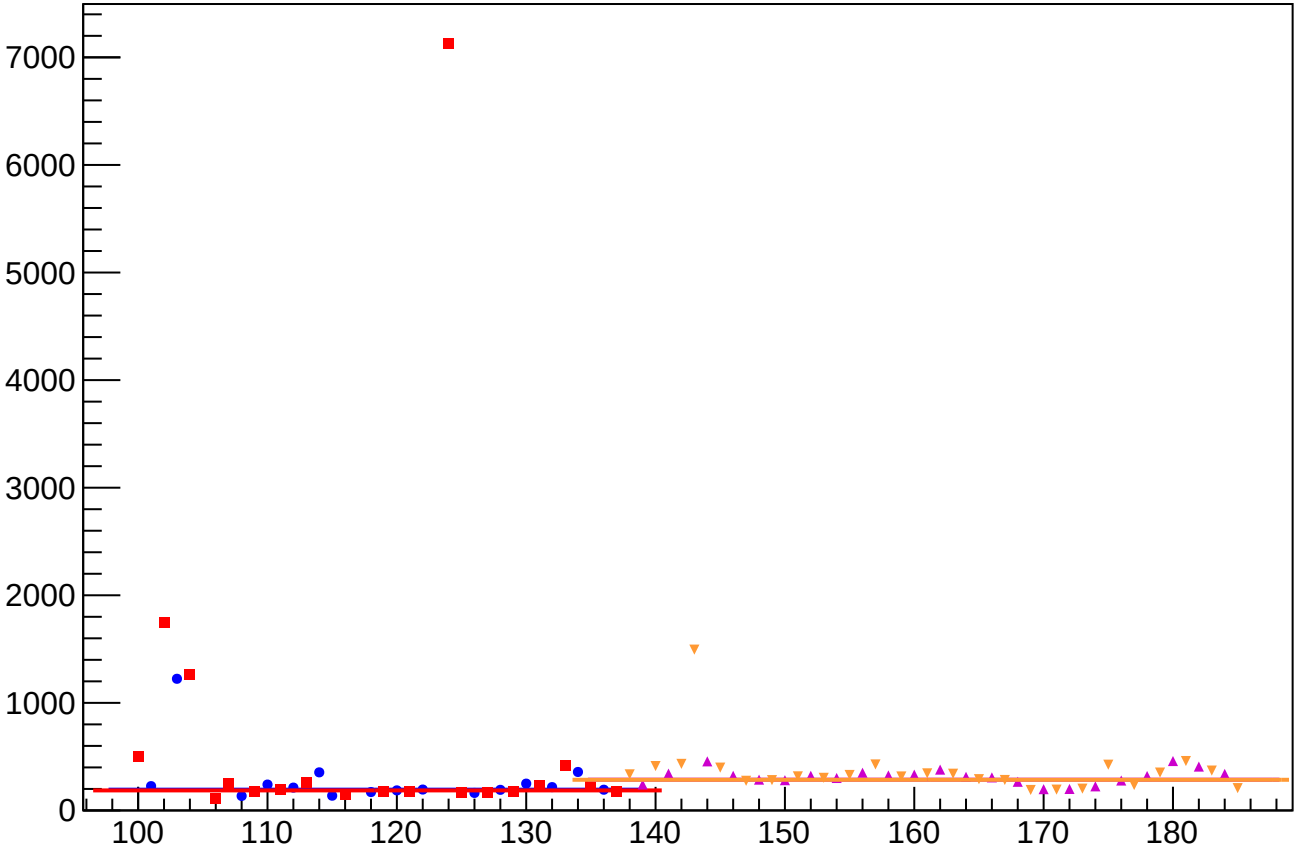
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.010+/-0.052 χ^2/NDF: 40.3/40

All: 0.009+/-0.037 χ^2/NDF: 96.2/82

- 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: 285.036+/-0.049 χ^2/NDF:3407001.6/24

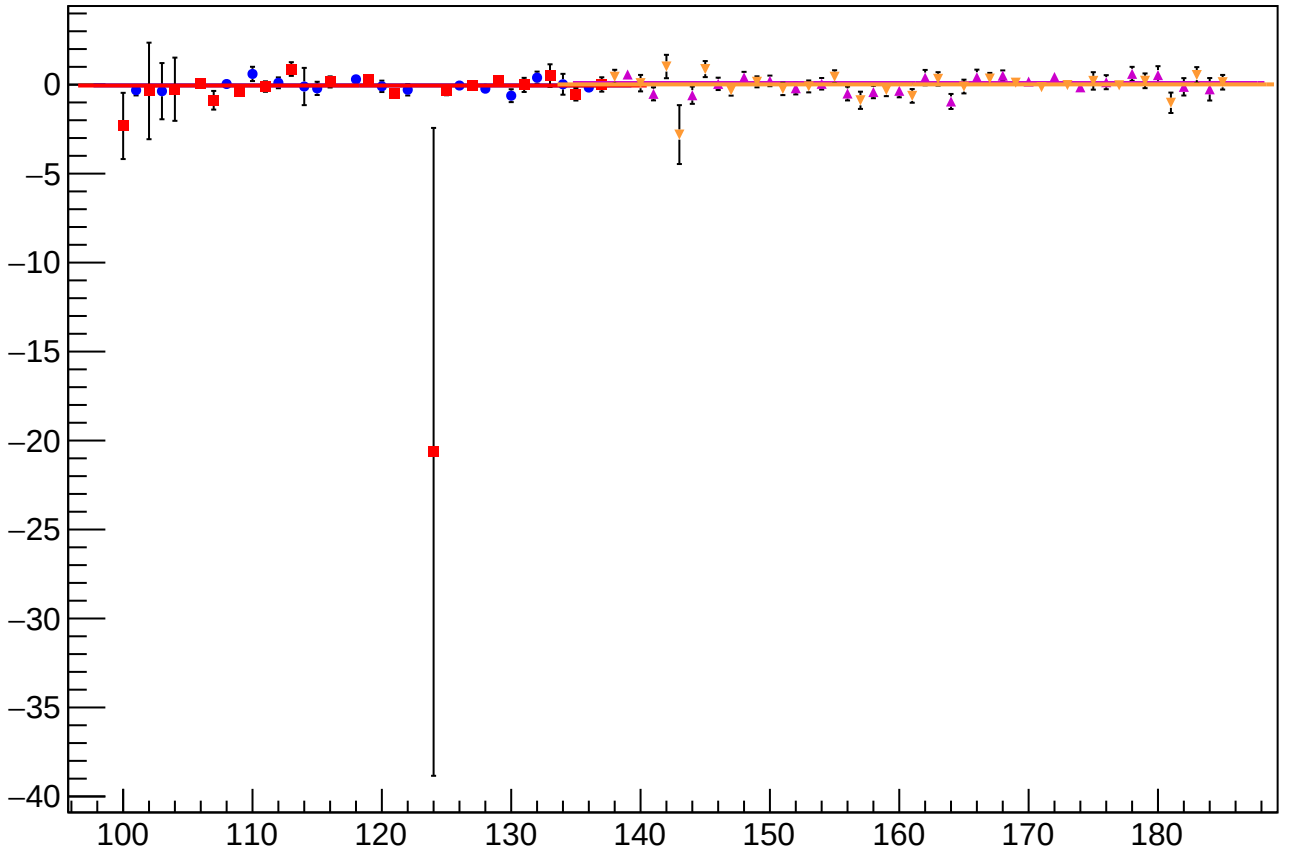
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.063+/-0.037 χ^2/NDF: 6358344.6/40

All: 242.889+/-0.026 χ^2/NDF: 12357034.1/82

- 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: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

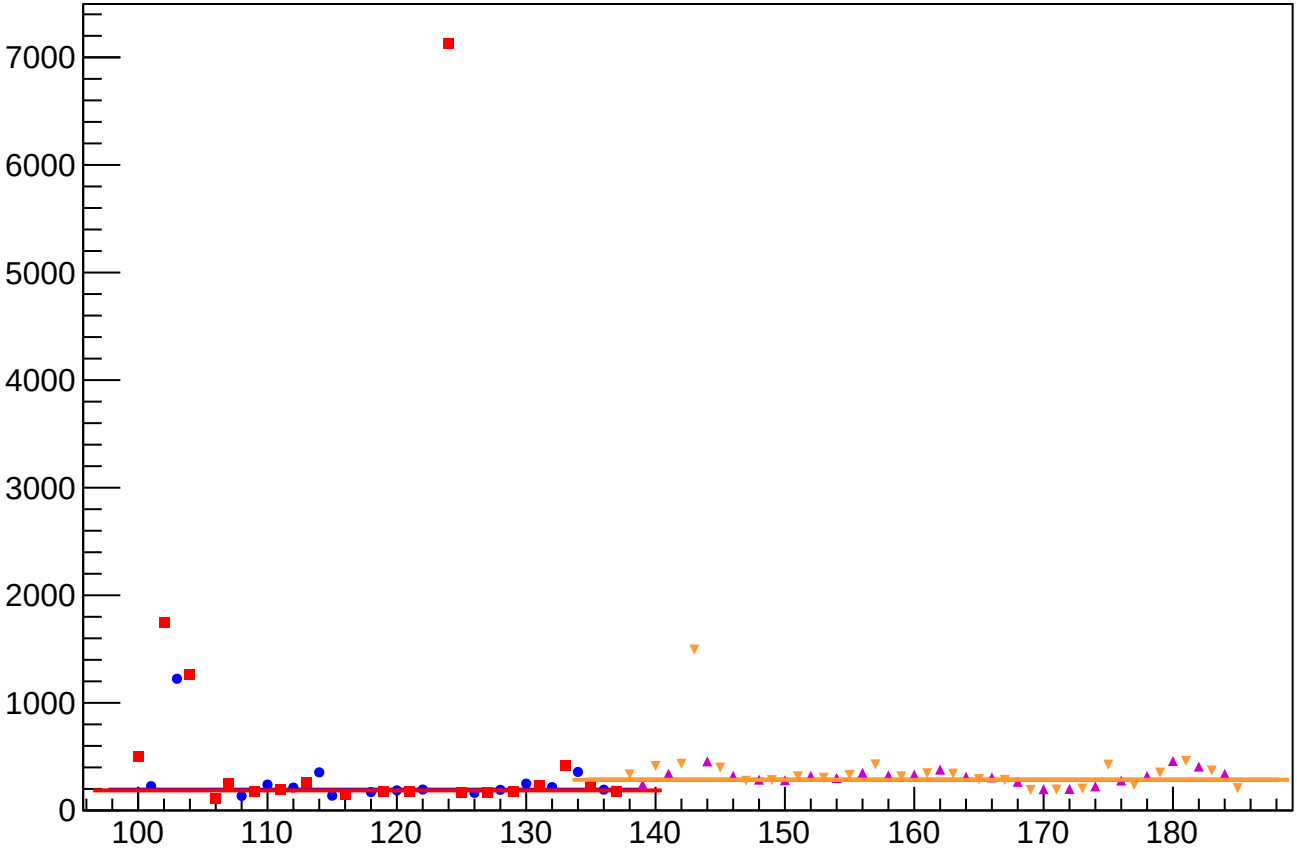
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.010+/-0.052 χ^2/NDF: 40.3/40

All: 0.009+/-0.037 χ^2/NDF: 96.2/82

- 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: 285.036+/-0.049 χ^2/NDF:3407001.6/24

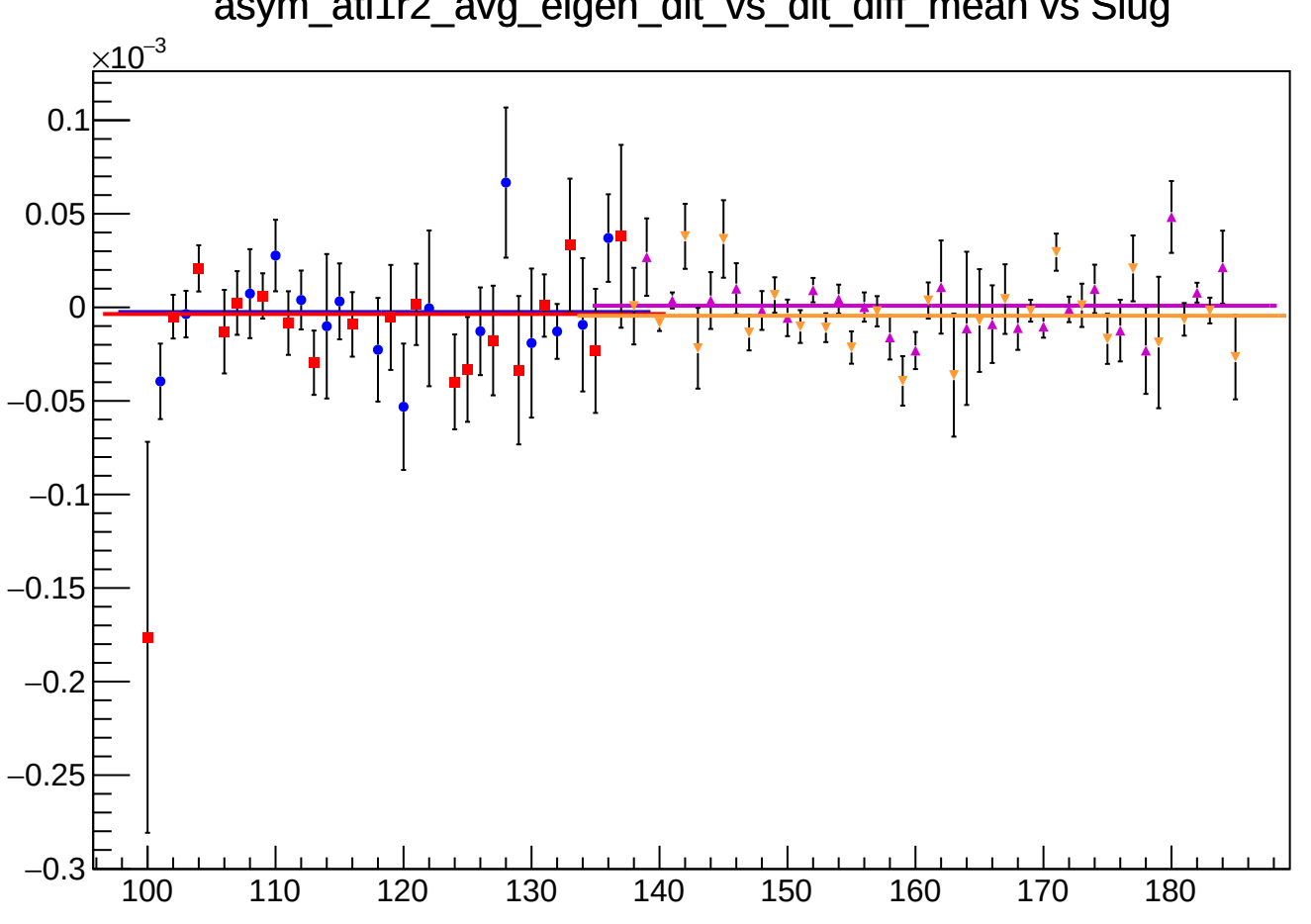
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.063+/-0.037 χ^2/NDF: 6358344.6/40

All: 242.889+/-0.026 χ^2/NDF: 12357034.1/82

- 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:43.9/24

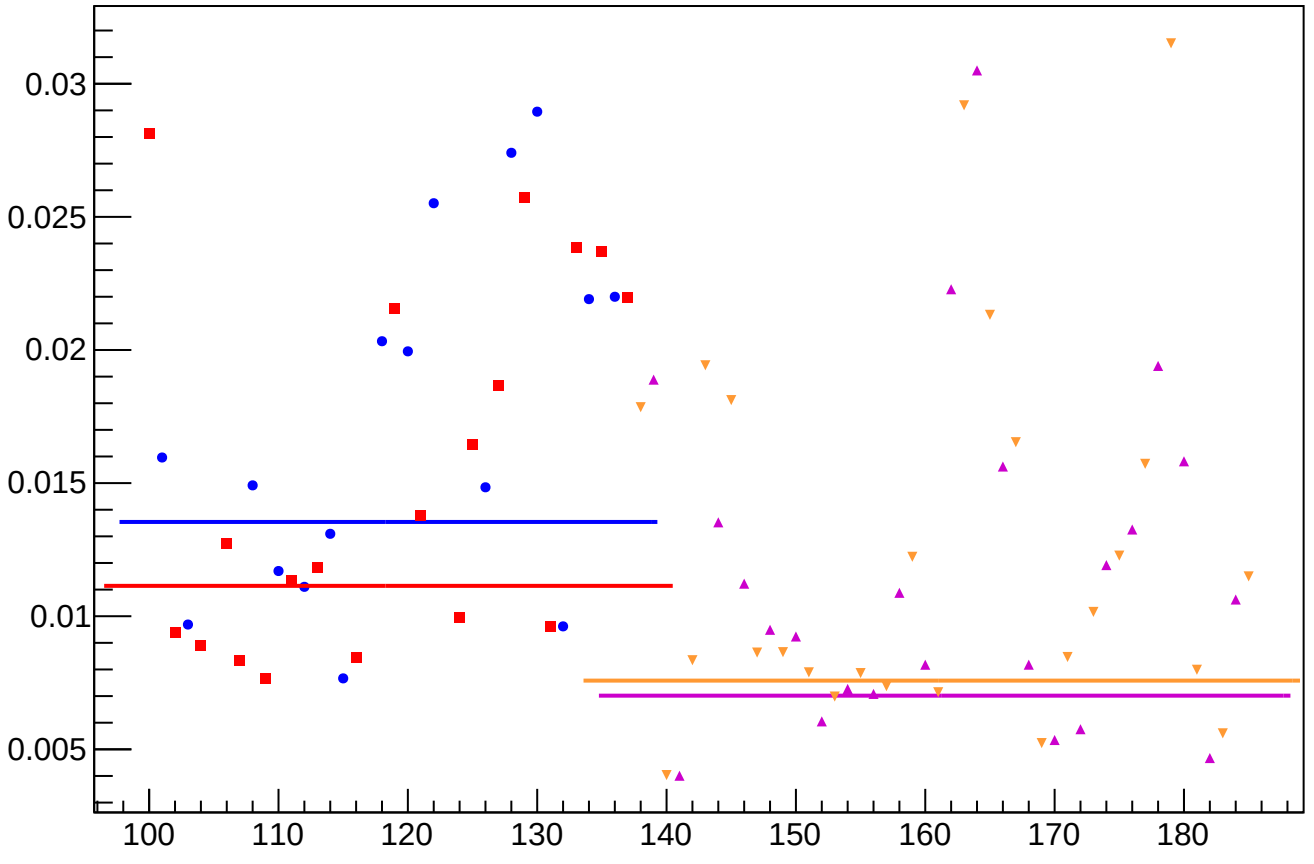
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/40

All: -0.000+/-0.000 χ^2/NDF: 109.0/82

- sign 0.000+/-0.000 χ^2/NDF: 46.1/41



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

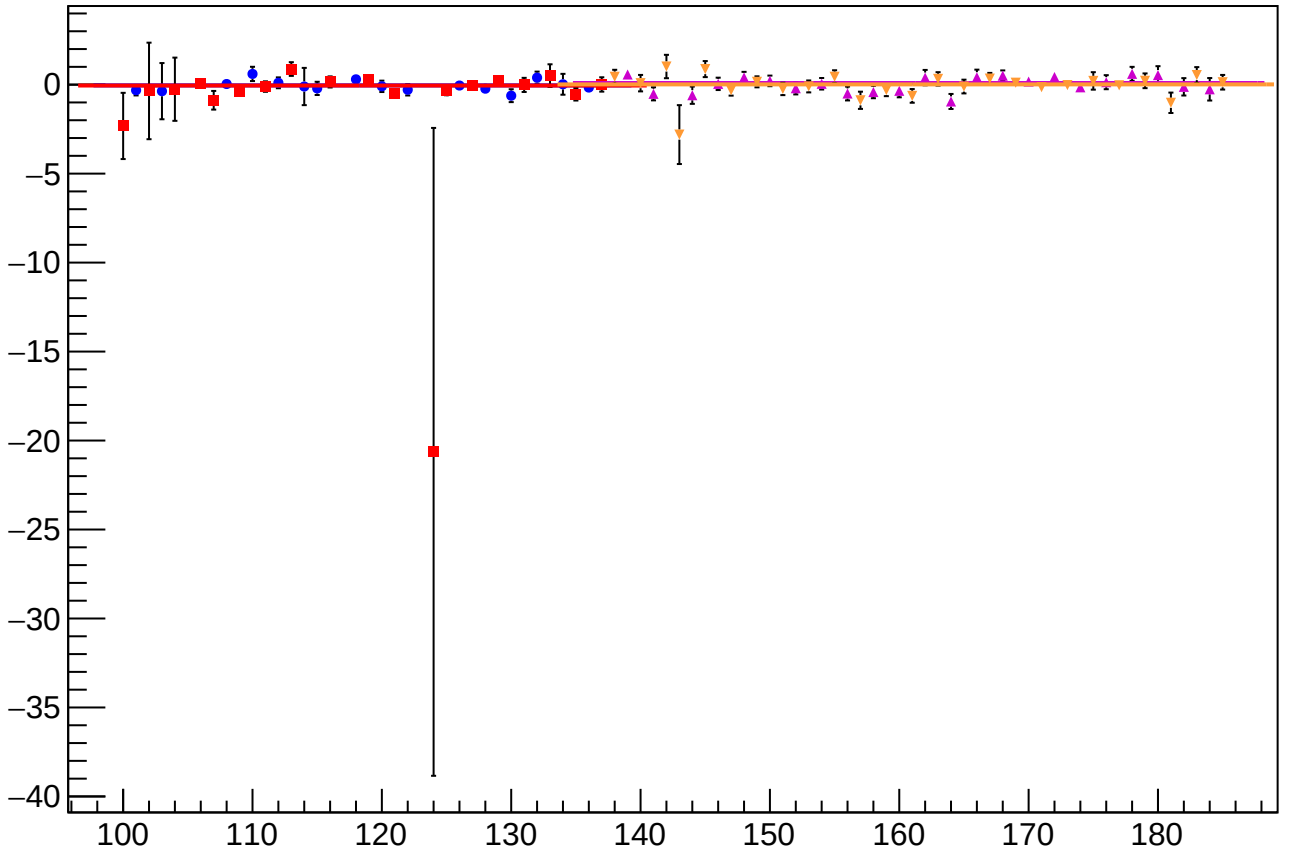
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 11341765.1/40

All: 0.008+/-0.000 χ^2/NDF: 21531155.3/82

- 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: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

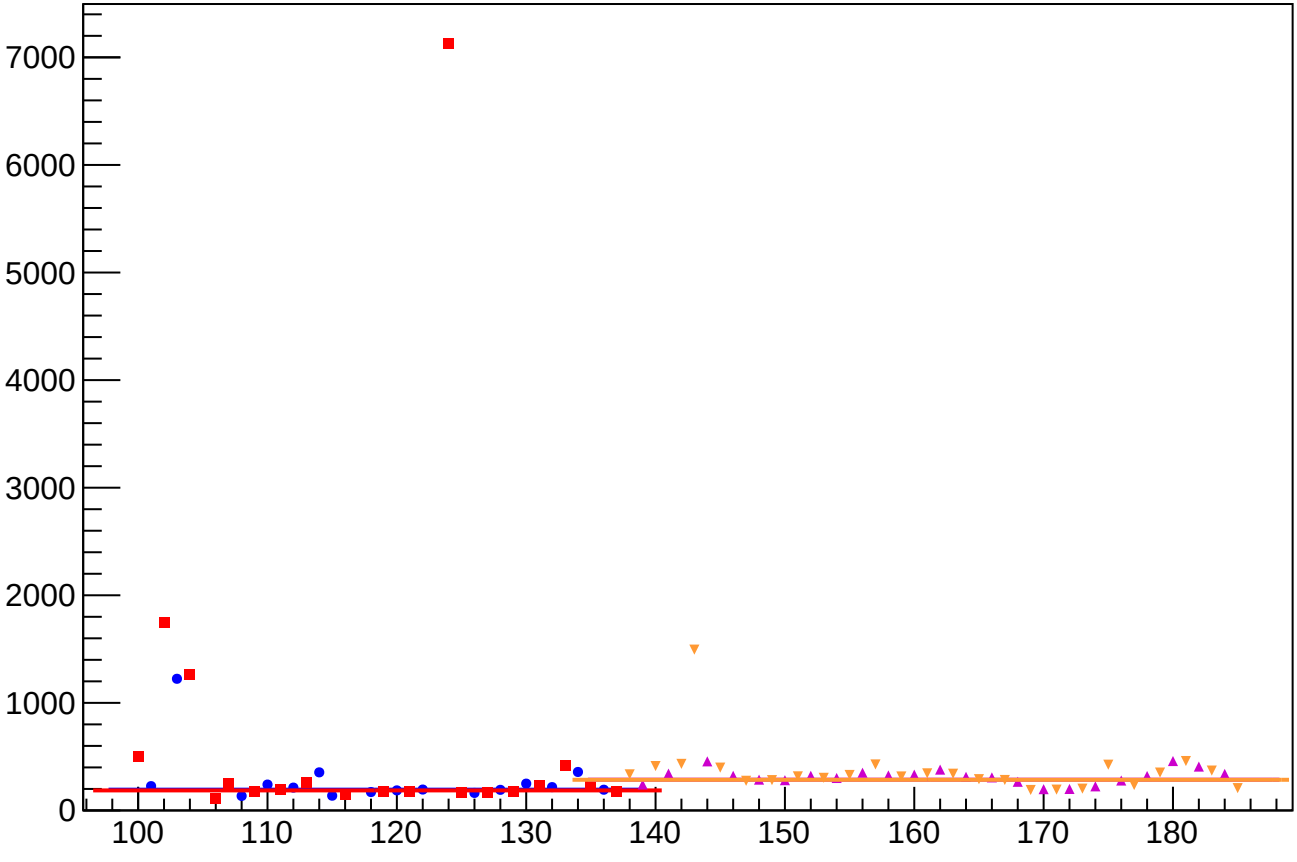
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.010+/-0.052 χ^2/NDF: 40.3/40

All: 0.009+/-0.037 χ^2/NDF: 96.2/82

- 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: 285.039+/-0.049 χ^2/NDF:3407037.3/24

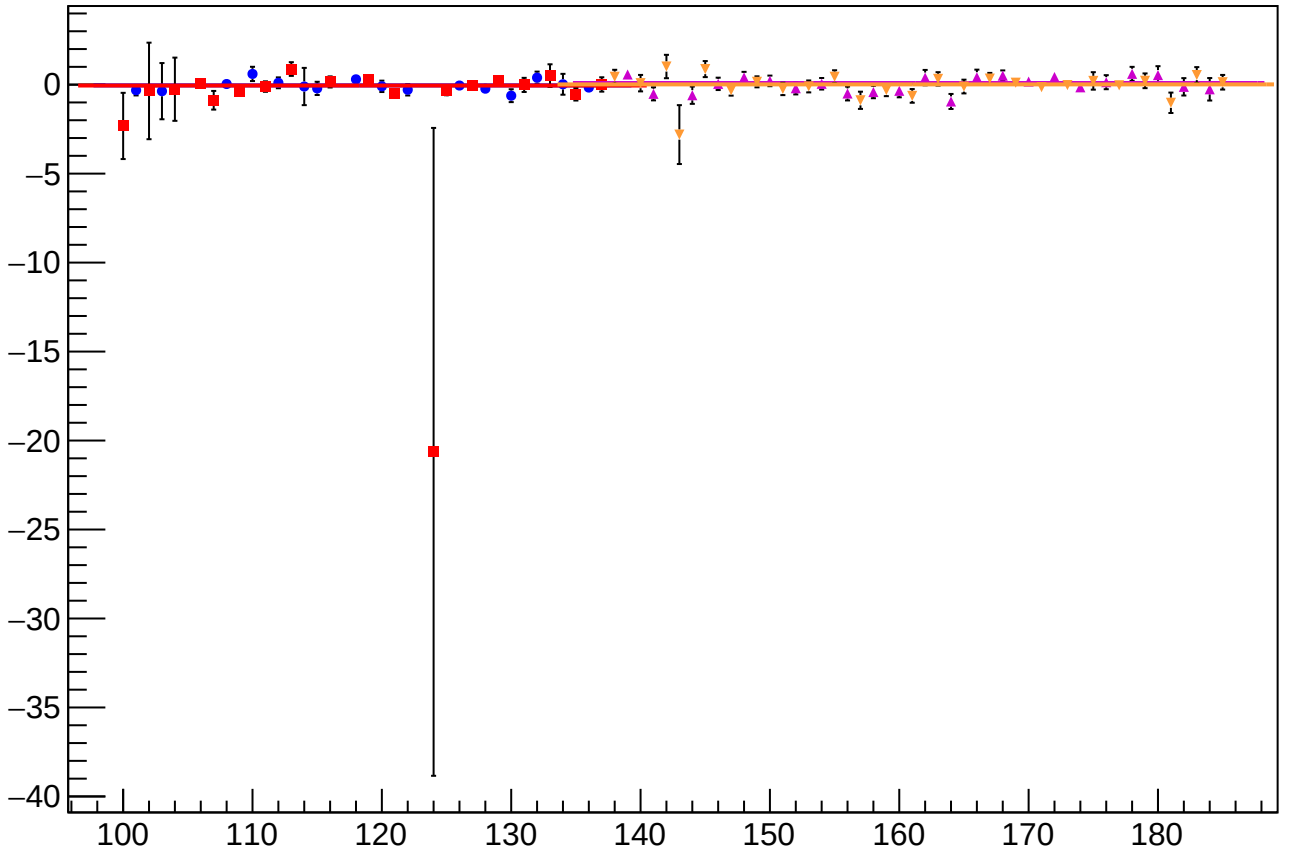
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.063+/-0.037 χ^2/NDF: 6358514.4/40

All: 242.889+/-0.026 χ^2/NDF: 12357447.4/82

- 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: 0.014+/-0.070 χ^2/NDF:28.3/24

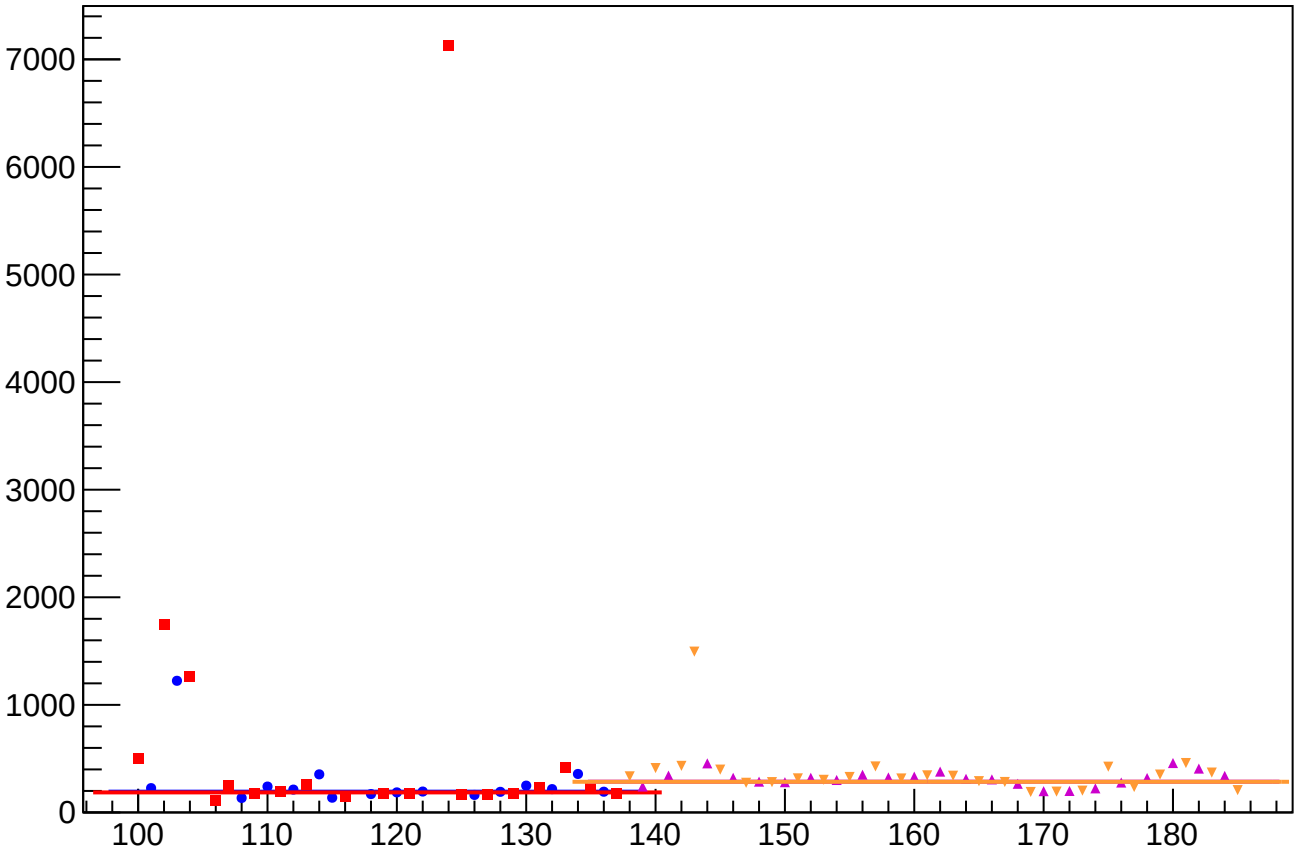
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.010+/-0.052 χ^2/NDF: 40.3/40

All: 0.009+/-0.037 χ^2/NDF: 96.2/82

- 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: 285.039+/-0.049 χ^2/NDF:3407037.3/24

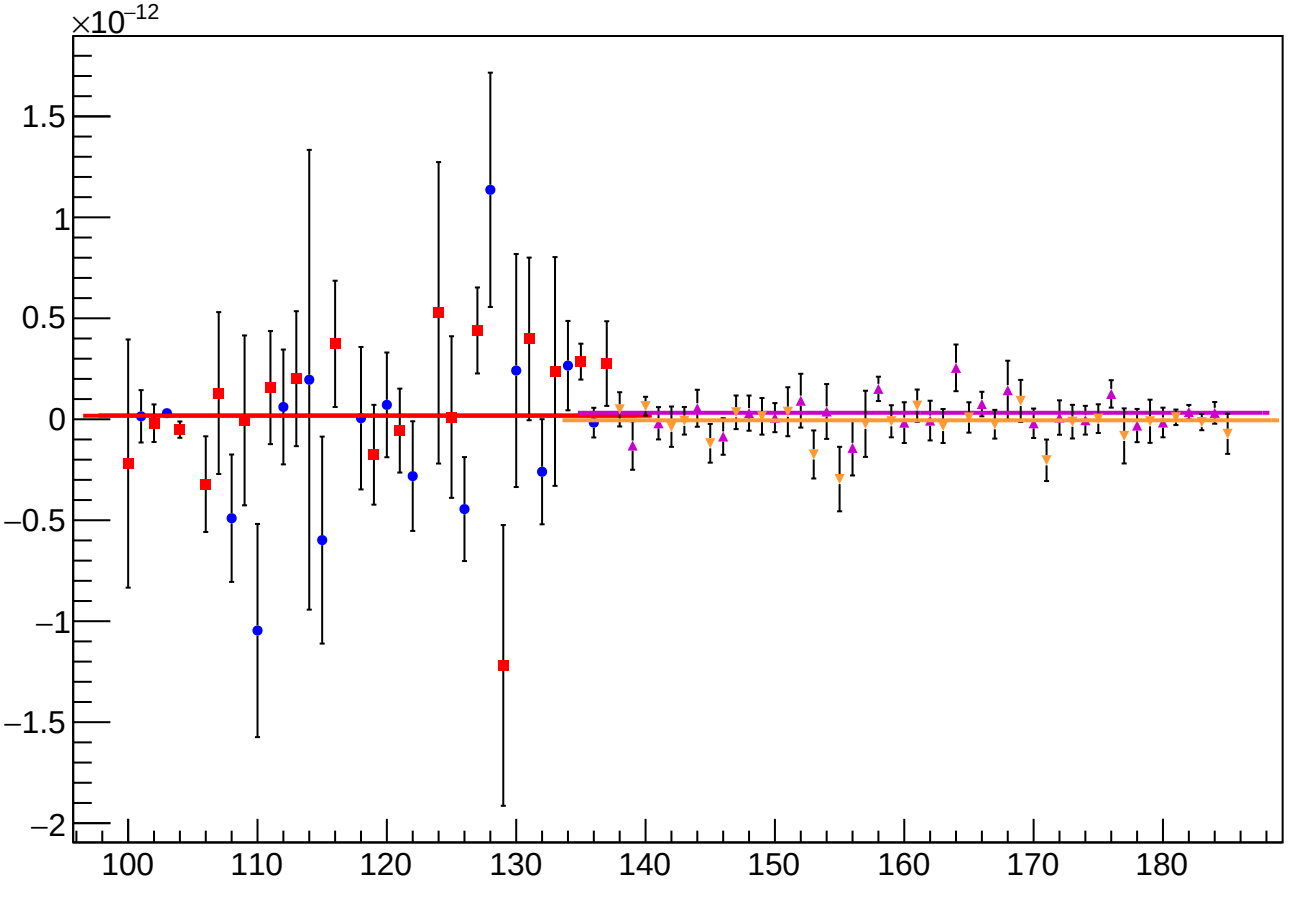
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.063+/-0.037 χ^2/NDF: 6358514.4/40

All: 242.889+/-0.026 χ^2/NDF: 12357447.4/82

- 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:16.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

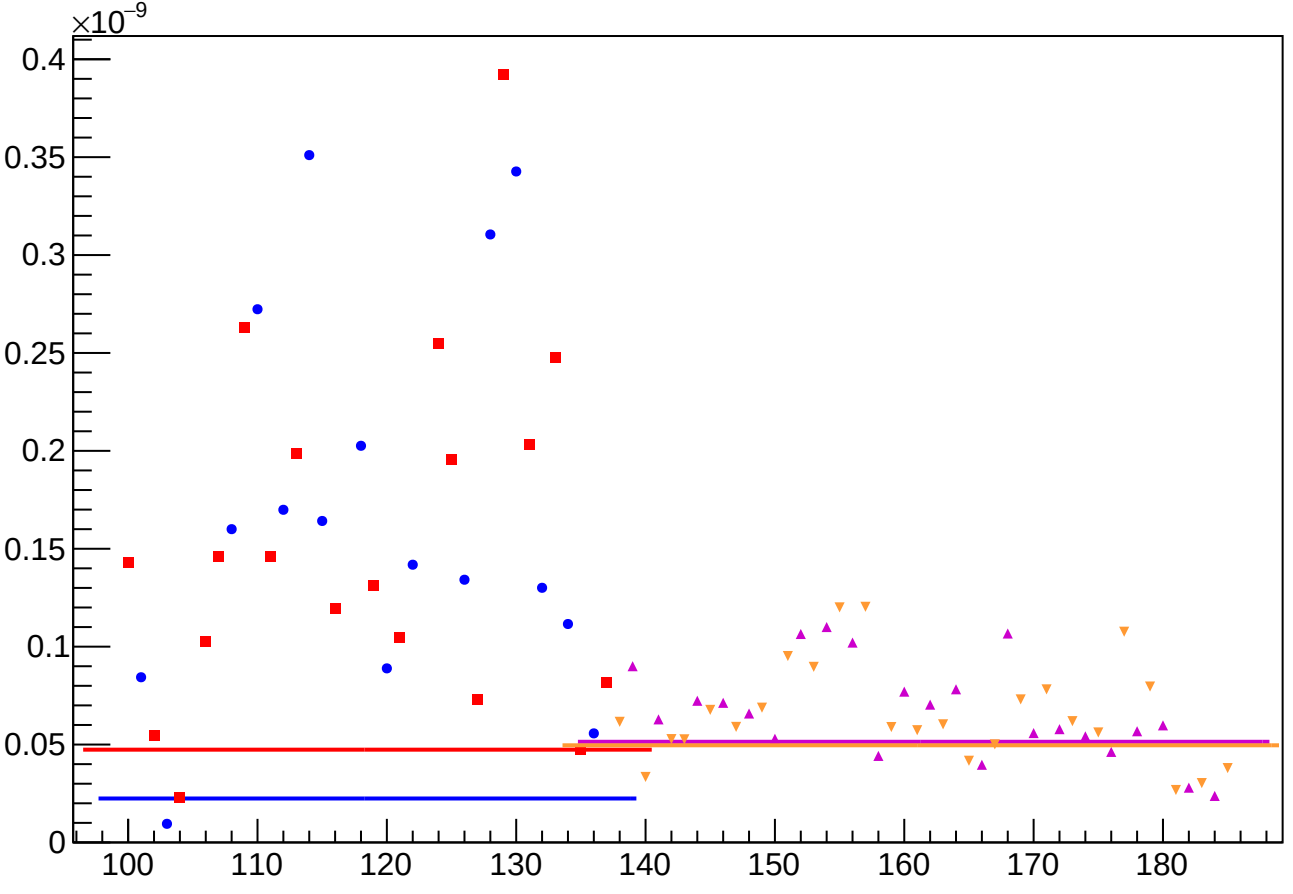
Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/40

All: 0.000+/-0.000 χ^2/NDF: 84.8/82

- sign 0.000+/-0.000 χ^2/NDF: 46.0/41

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

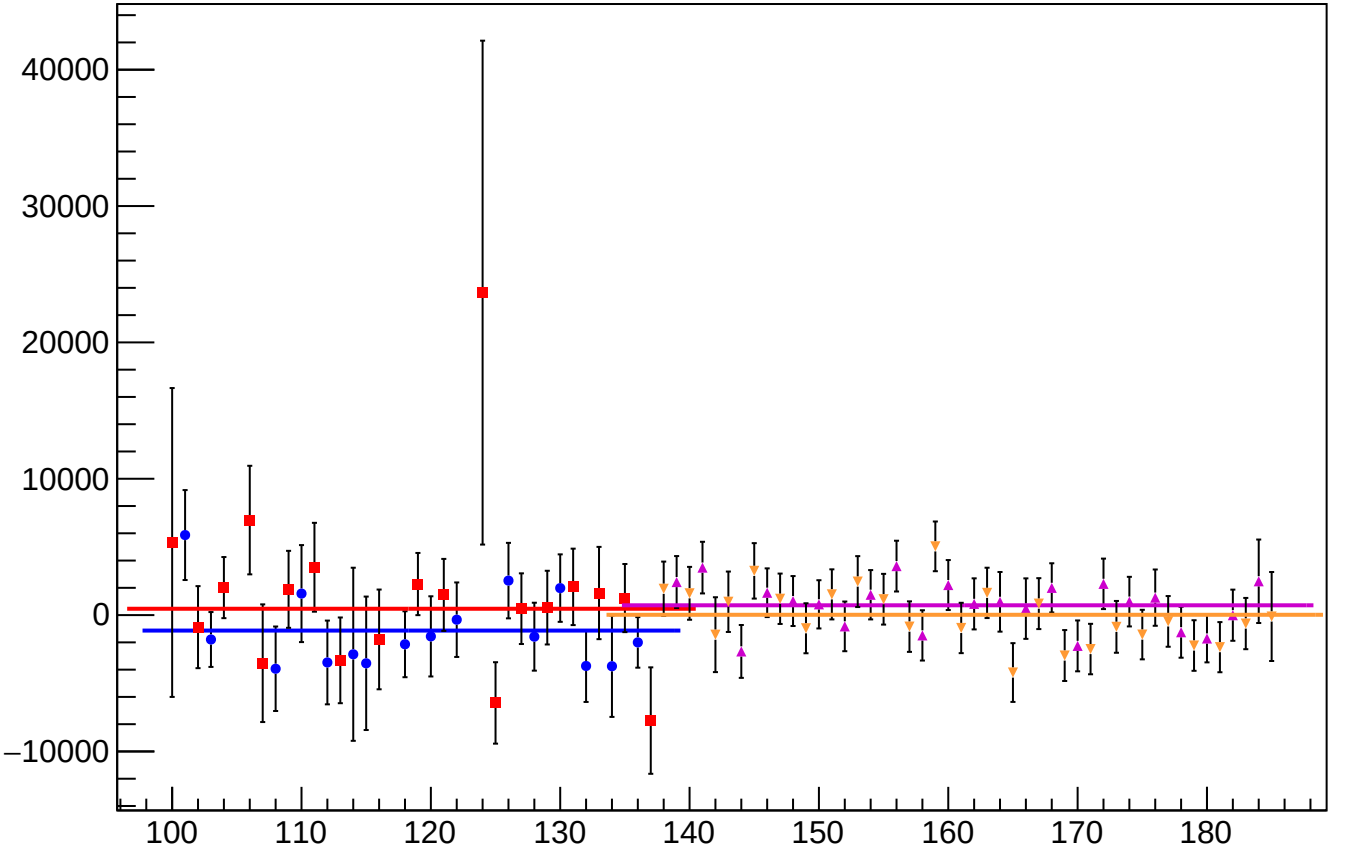
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12561154.1/40

All: 0.000+/-0.000 χ^2/NDF: 21113925.7/82

- sign 0.000+/-0.000 χ^2/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: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

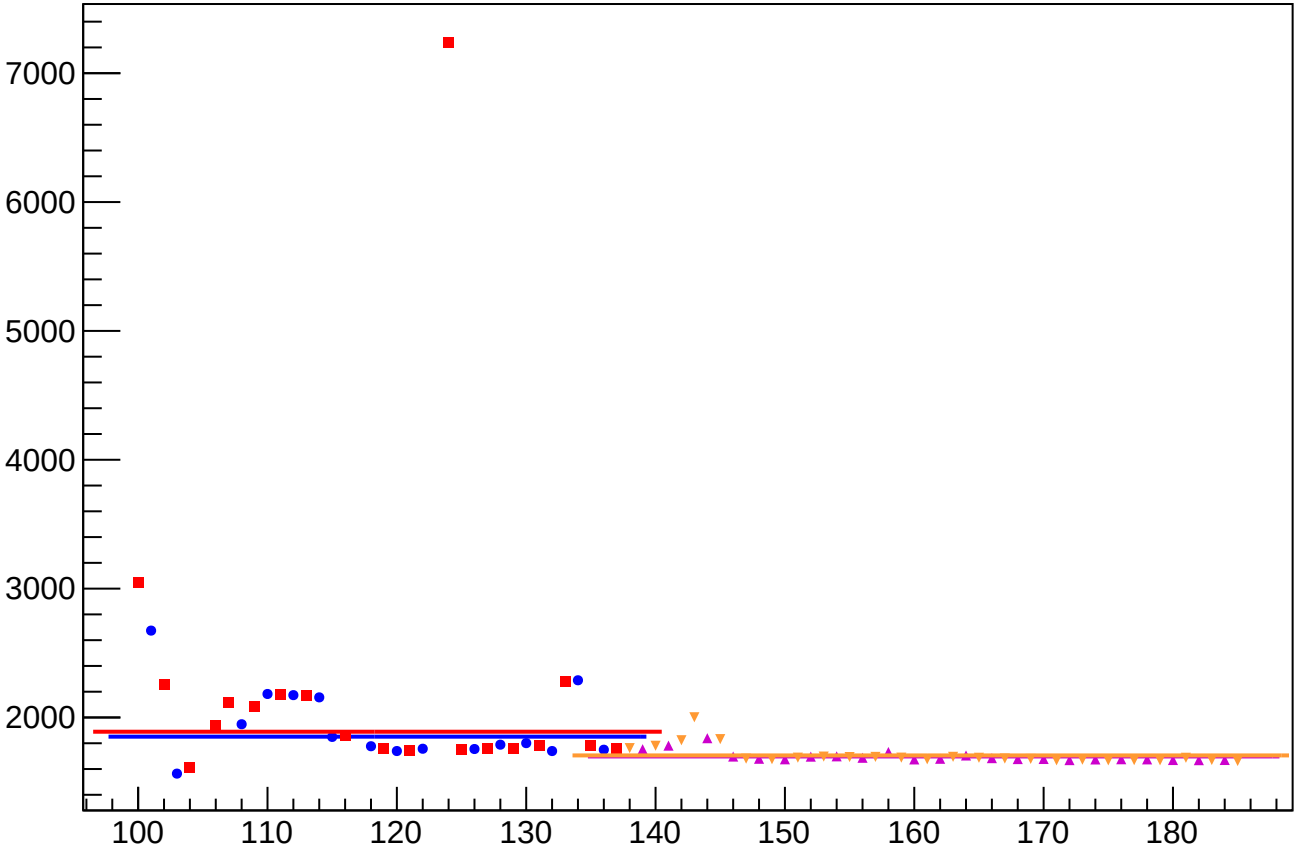
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -252.427+/-338.462 χ^2/NDF: 43.8/40

All: 193.494+/-241.836 χ^2/NDF: 86.6/82

- 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: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

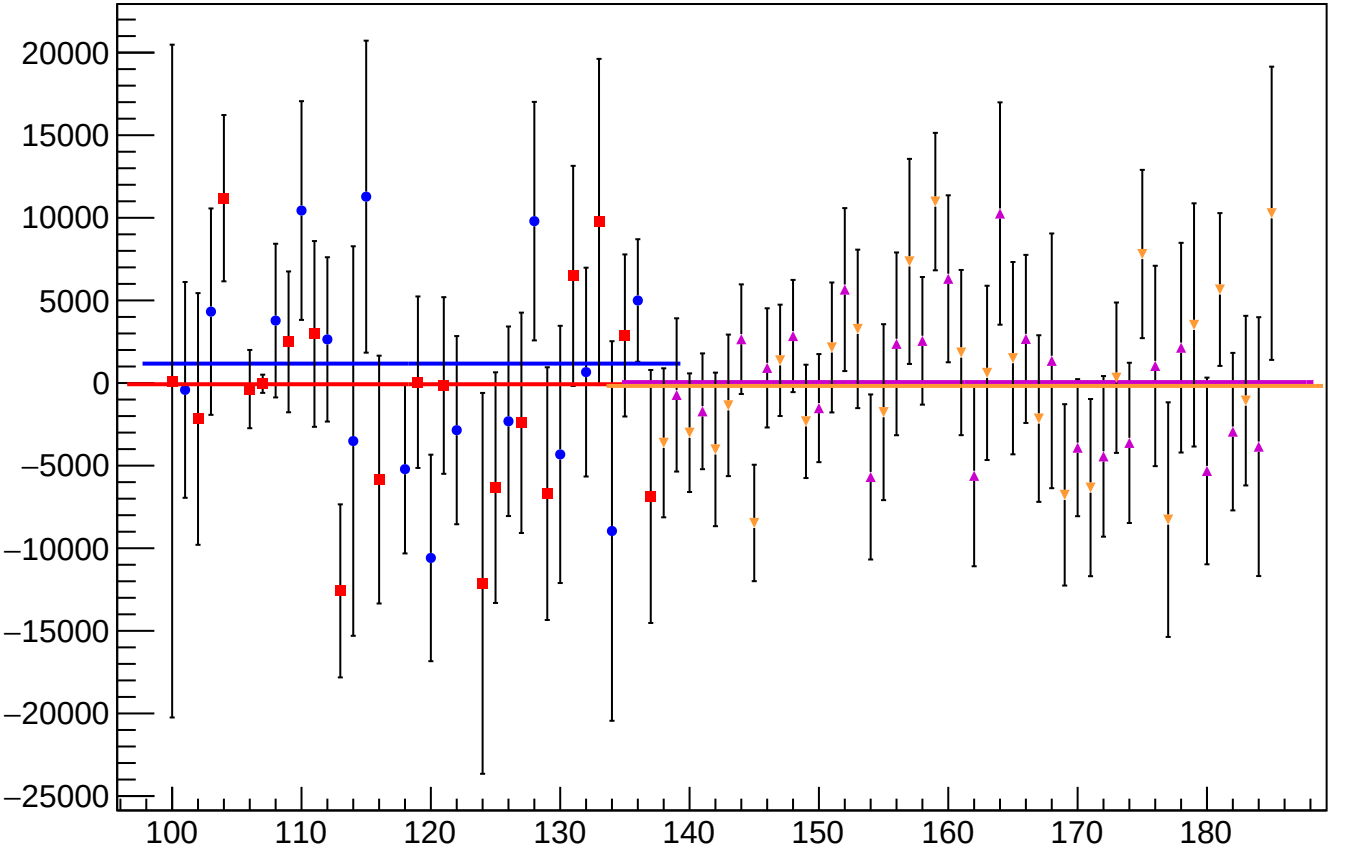
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1740.262+/-0.239 χ^2/NDF: 386935.8/40

All: 1741.954+/-0.171 χ^2/NDF: 879975.5/82

- 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: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

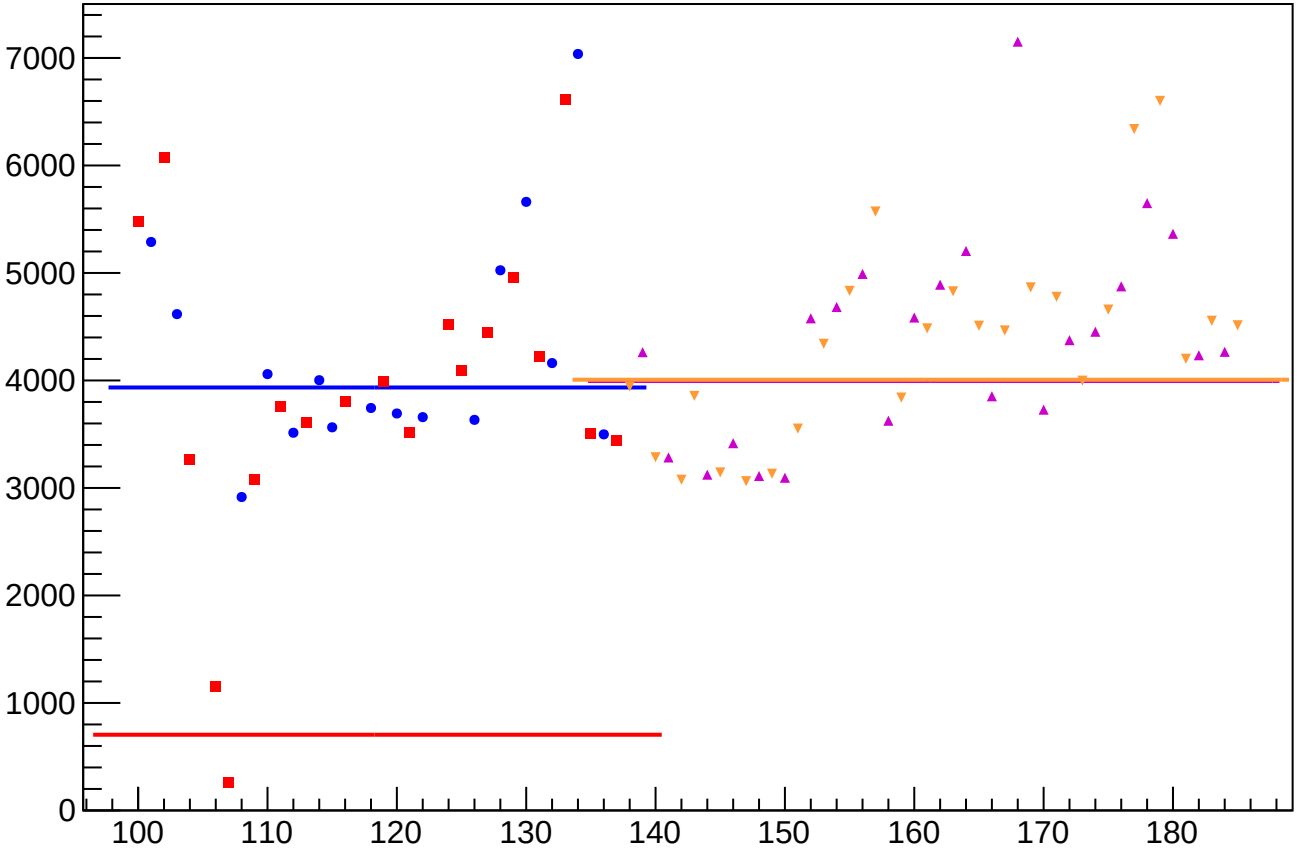
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 201.630+/-793.873 χ^2/NDF: 42.3/40

All: 14.783+/-389.532 χ^2/NDF: 74.6/82

- 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: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

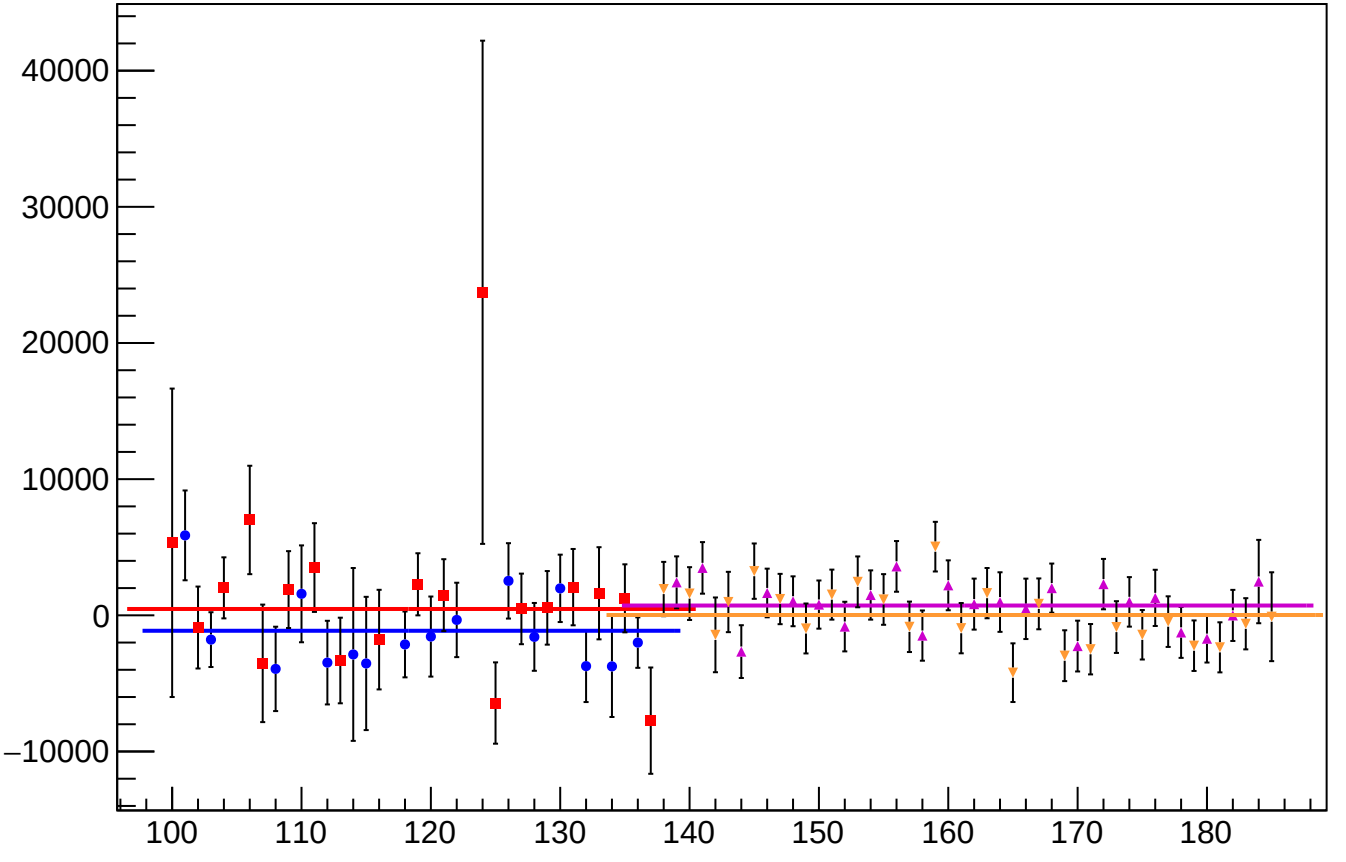
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 3986.809+/-0.561 χ^2/NDF: 2067140.5/40

All: 2040.533+/-0.275 χ^2/NDF: 48559652.4/8

- 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: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

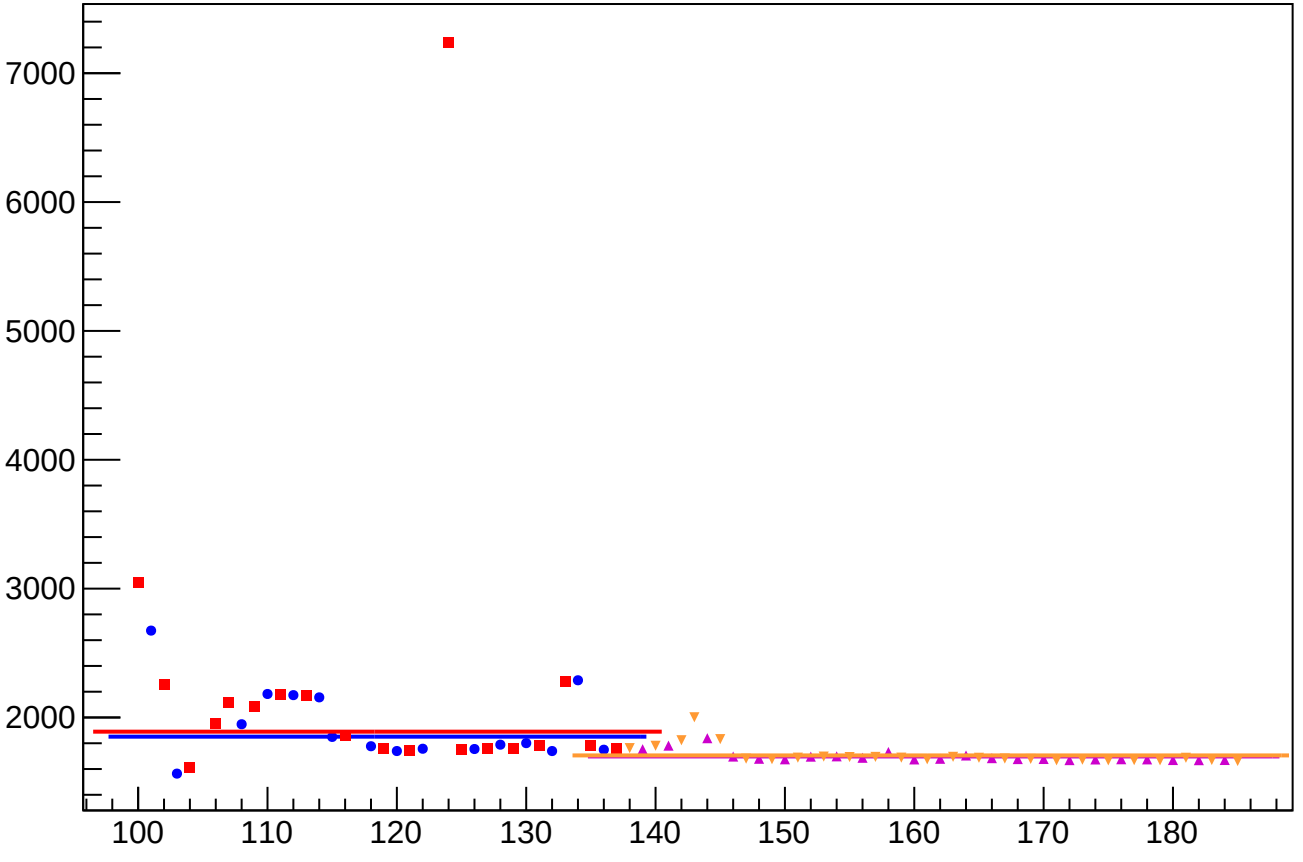
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -252.271+/-338.462 χ^2/NDF: 43.8/40

All: 193.572+/-241.836 χ^2/NDF: 86.6/82

- 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: 1705.635+/-0.274 χ^2/NDF:59928.6/24

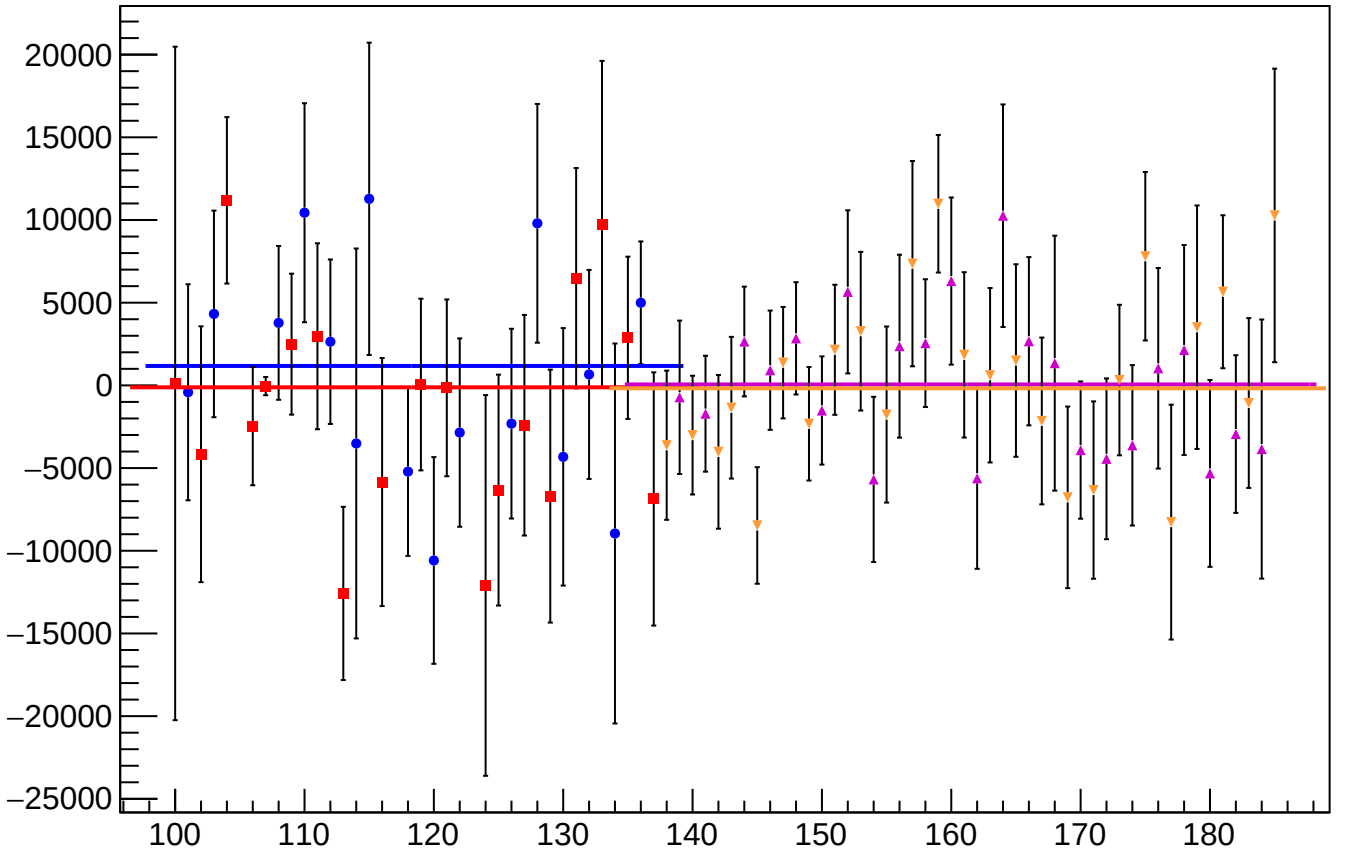
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1740.262+/-0.239 χ^2/NDF: 386935.3/40

All: 1742.000+/-0.171 χ^2/NDF: 880700.7/82

- sign 1743.811+/-0.244 χ^2/NDF: 493657.8/41



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

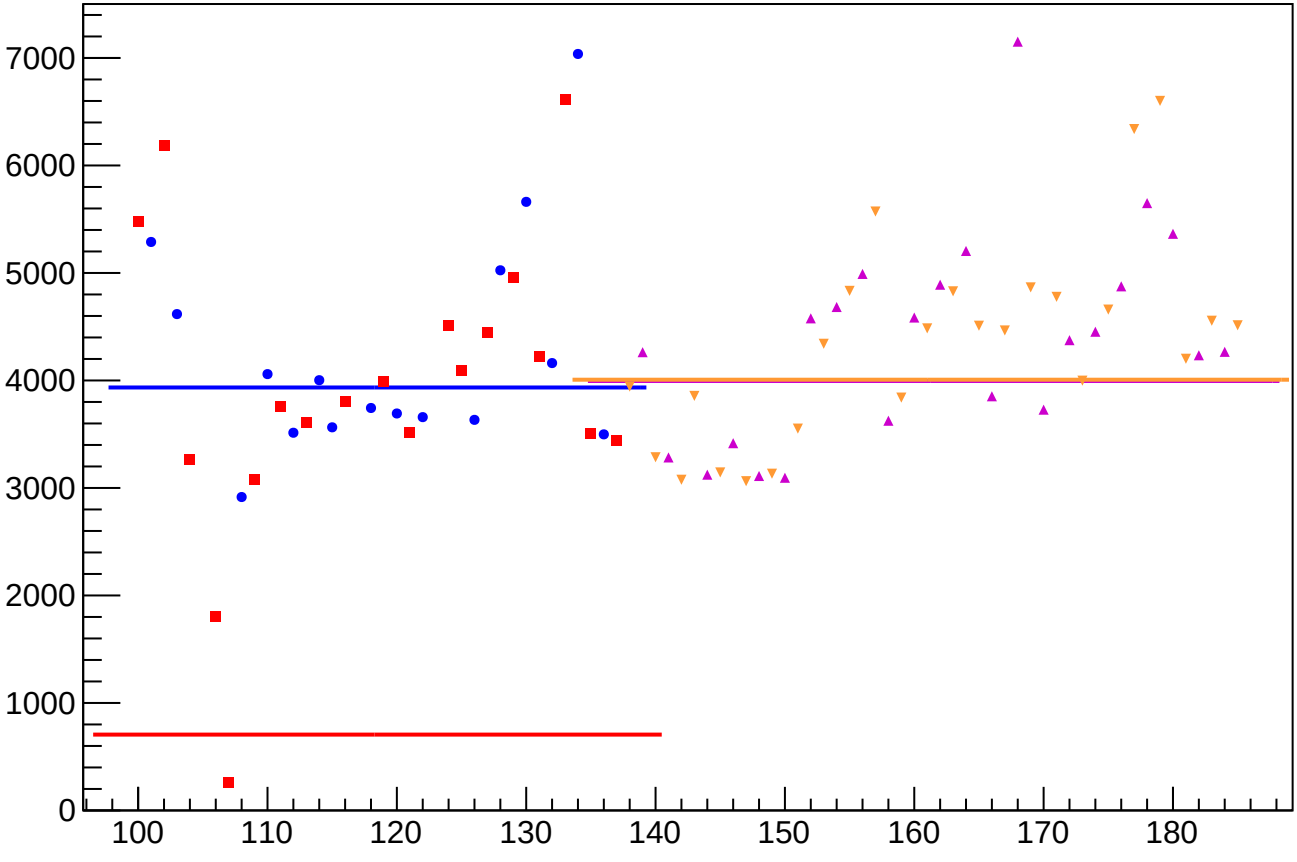
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 201.637+/-793.873 χ^2/NDF: 42.3/40

All: -9.262+/-392.523 χ^2/NDF: 75.2/82

- 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: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

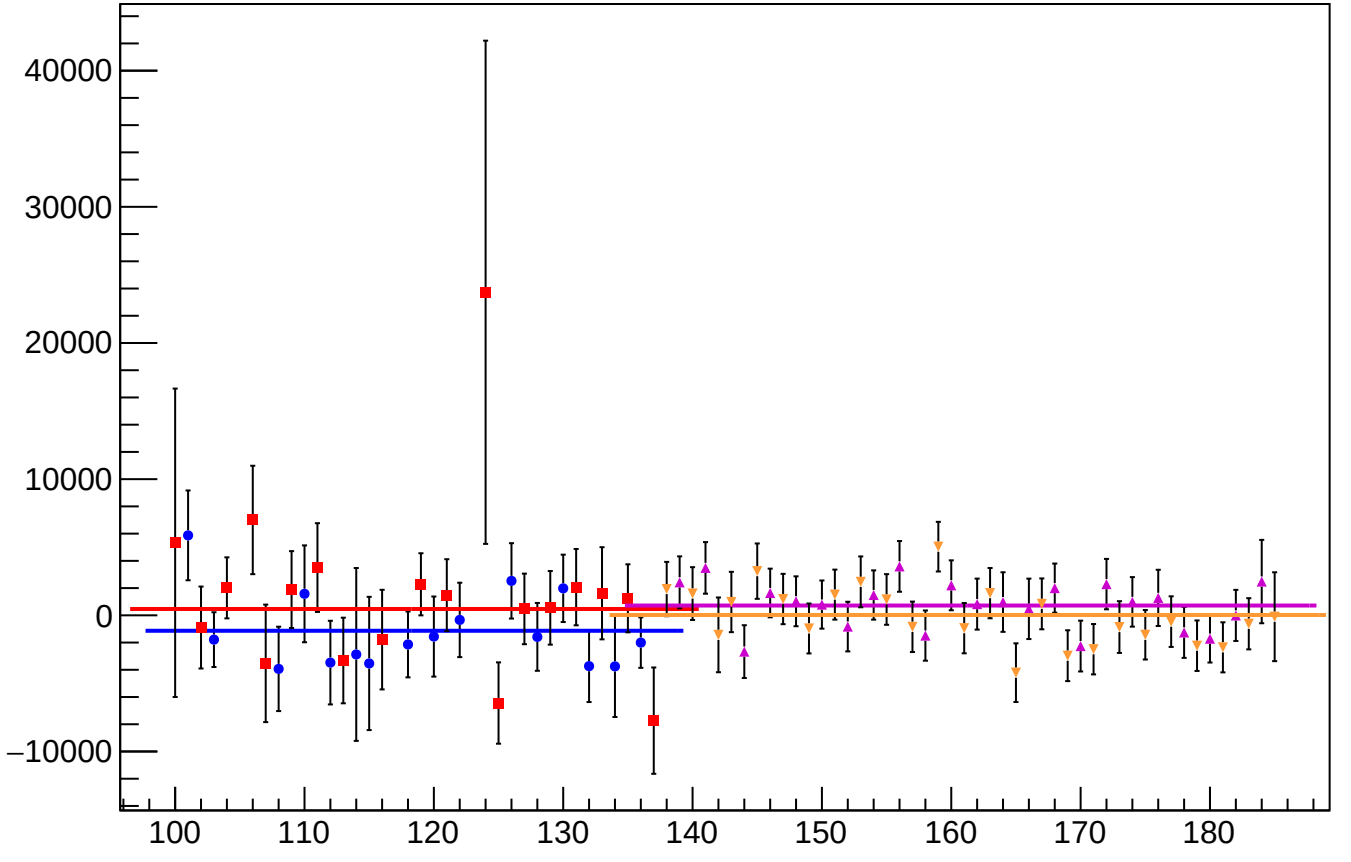
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 3986.806+/-0.561 χ^2/NDF: 2067183.9/40

All: 2061.854+/-0.278 χ^2/NDF: 48299935.6/8

- 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: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

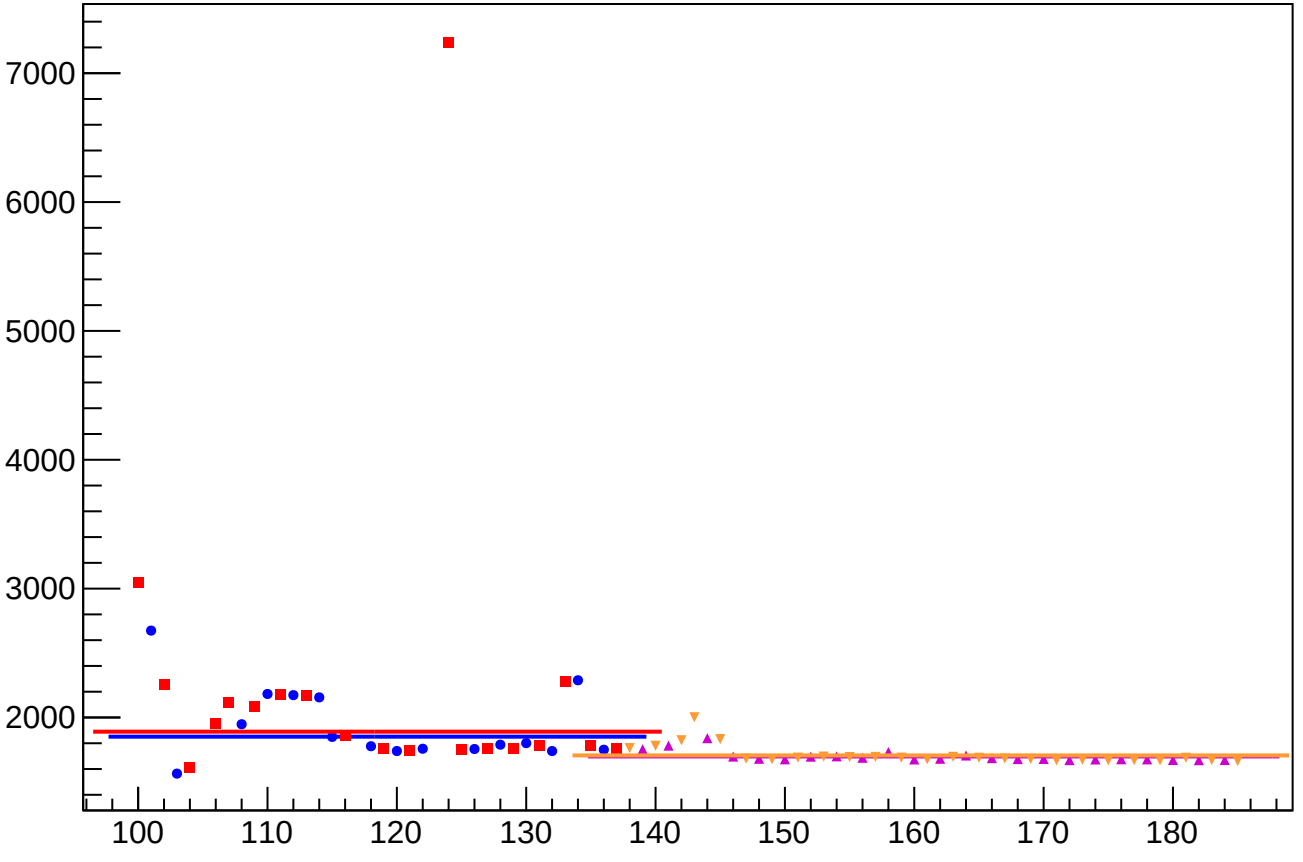
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -252.271+/-338.462 χ^2/NDF: 43.8/40

All: 193.572+/-241.836 χ^2/NDF: 86.6/82

- 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: 1705.635+/-0.274 χ^2/NDF:59928.6/24

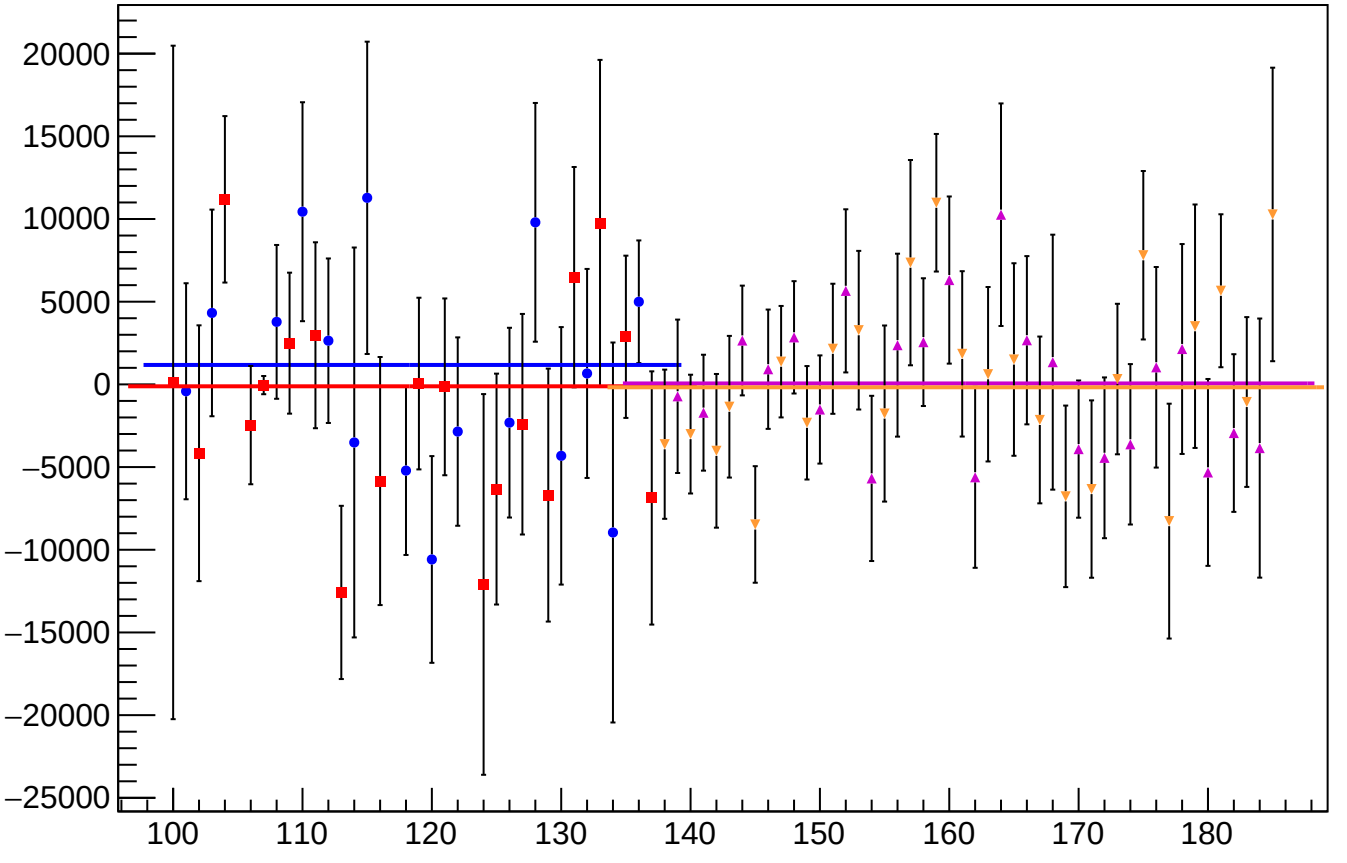
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1740.262+/-0.239 χ^2/NDF: 386935.3/40

All: 1742.000+/-0.171 χ^2/NDF: 880700.7/82

- sign 1743.811+/-0.244 χ^2/NDF: 493657.8/41



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

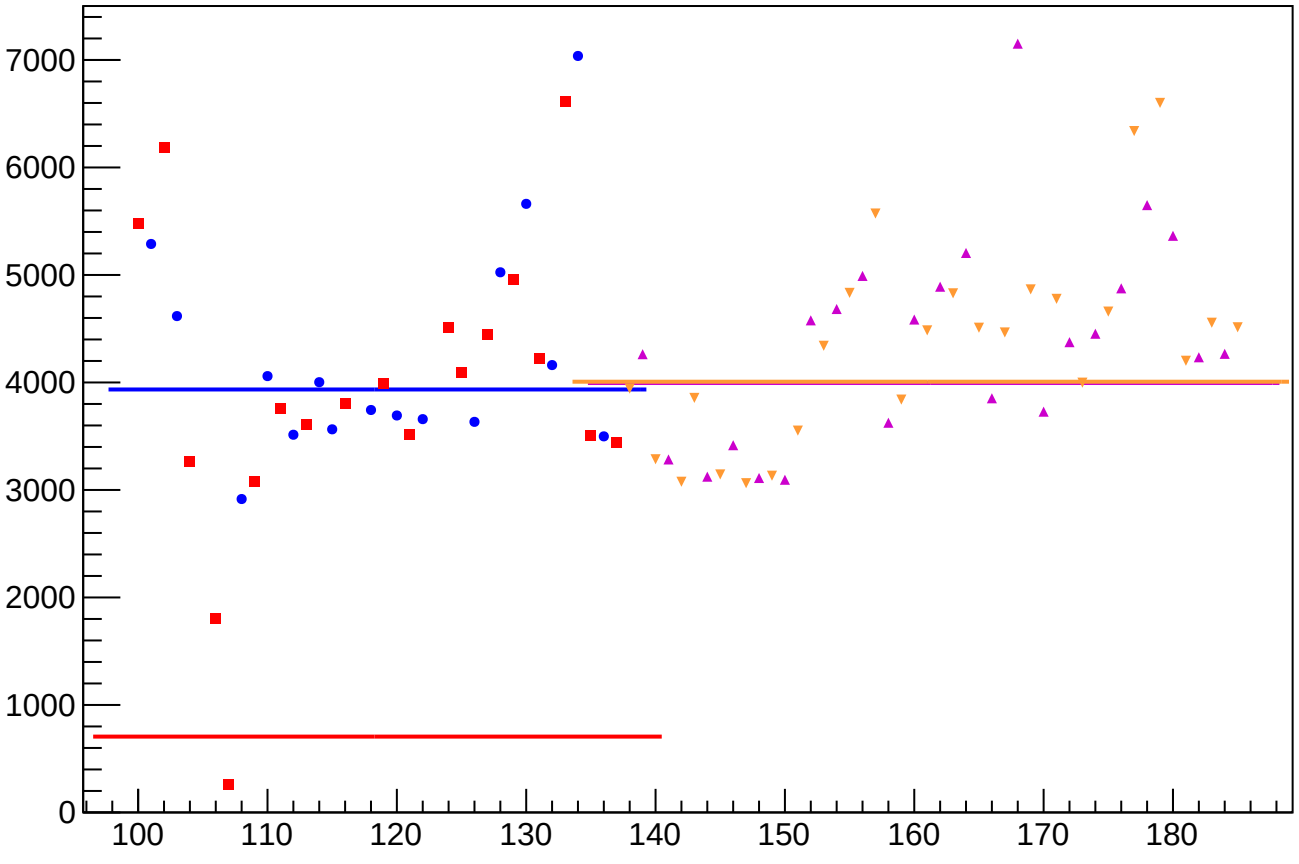
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 201.637+/-793.873 χ^2/NDF: 42.3/40

All: -9.262+/-392.523 χ^2/NDF: 75.2/82

- sign -77.504+/-451.585 χ^2/NDF: 32.9/41



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

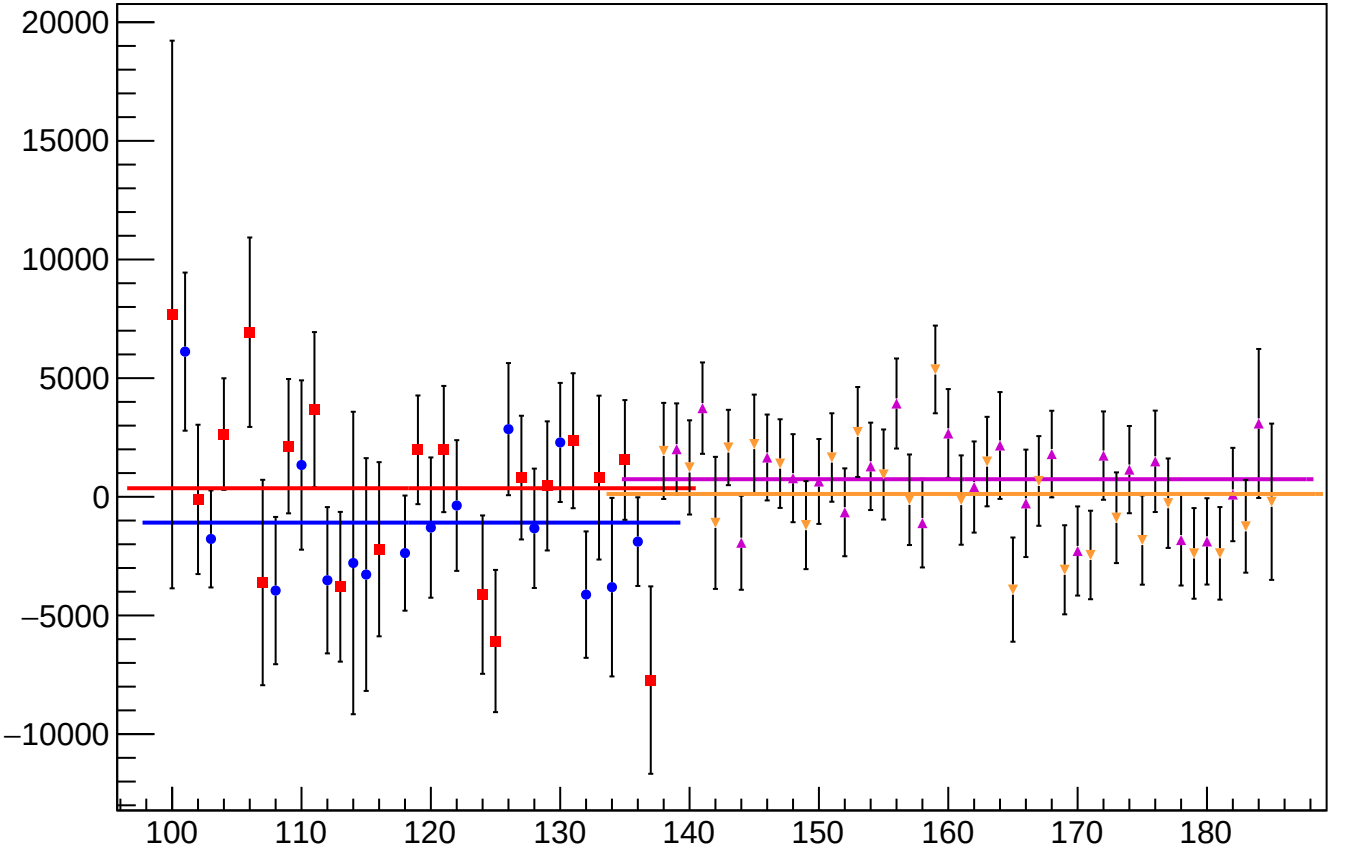
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 3986.806+/-0.561 χ^2/NDF: 2067183.9/40

All: 2061.854+/-0.278 χ^2/NDF: 48299935.6/8

- 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: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

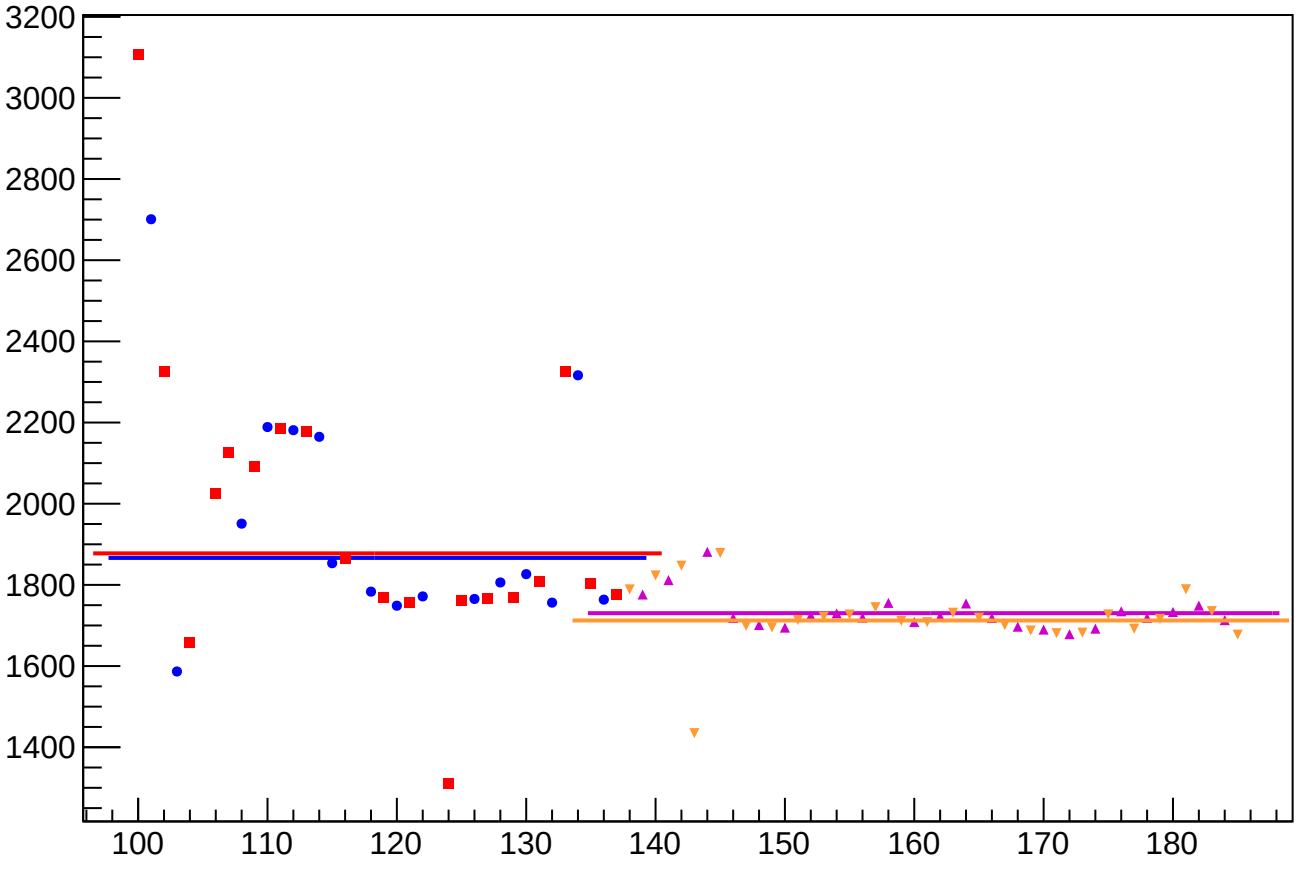
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -165.773+/-340.282 χ^2/NDF: 45.2/40

All: 228.784+/-243.968 χ^2/NDF: 88.0/82

- 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: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

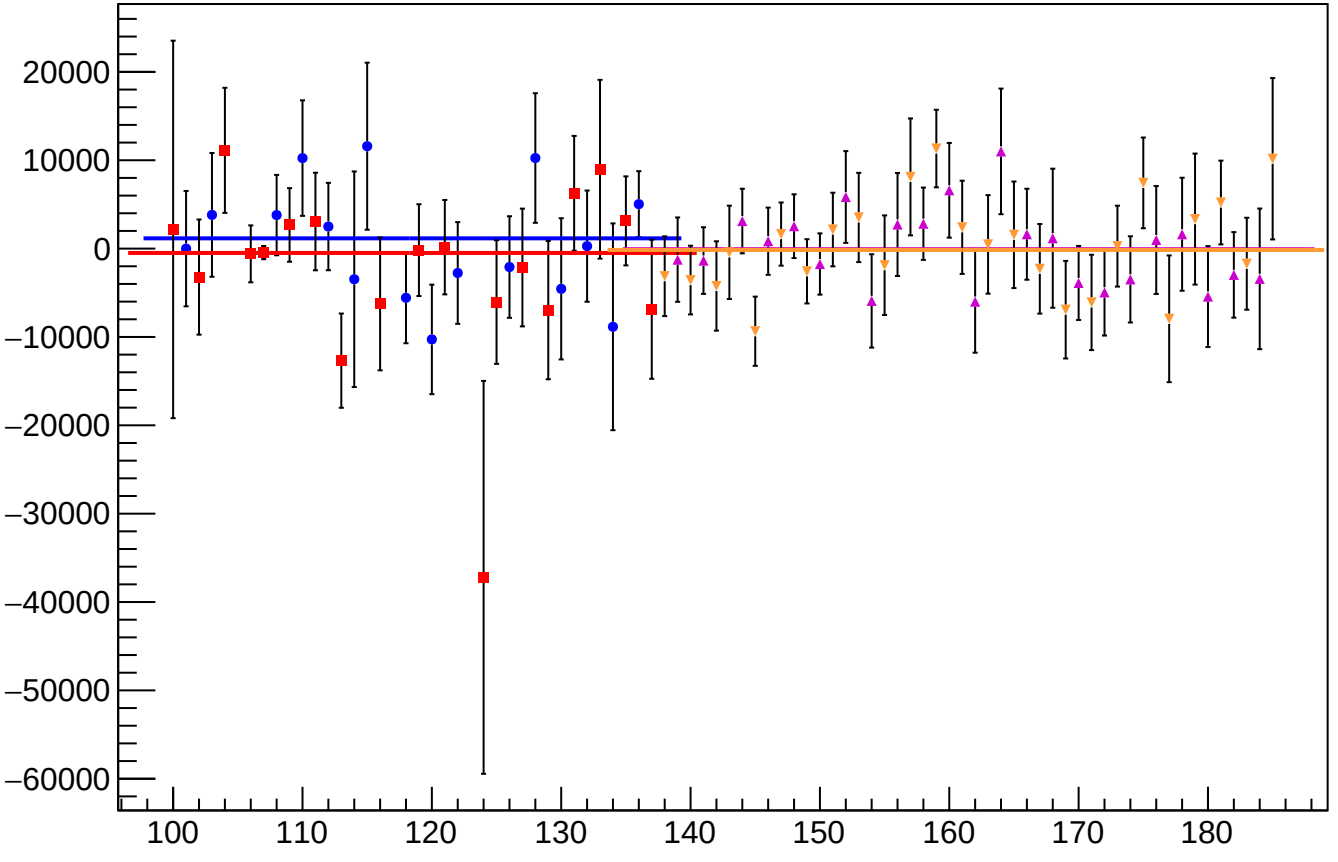
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1748.780+/-0.241 χ^2/NDF: 424788.5/40

All: 1757.755+/-0.172 χ^2/NDF: 769142.1/82

- 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: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

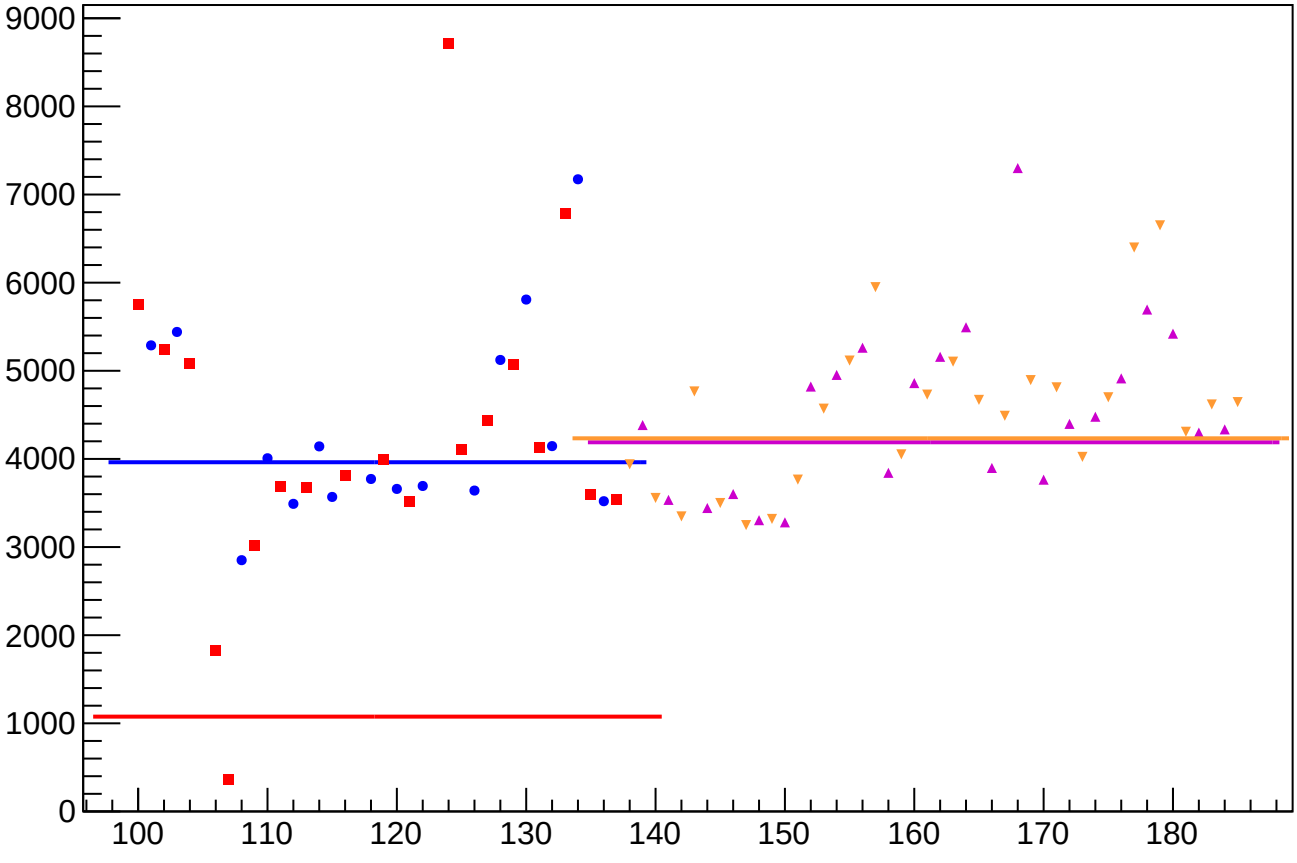
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 240.436+/-825.345 χ^2/NDF: 41.0/40

All: -177.817+/-457.682 χ^2/NDF: 72.5/82

- 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: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

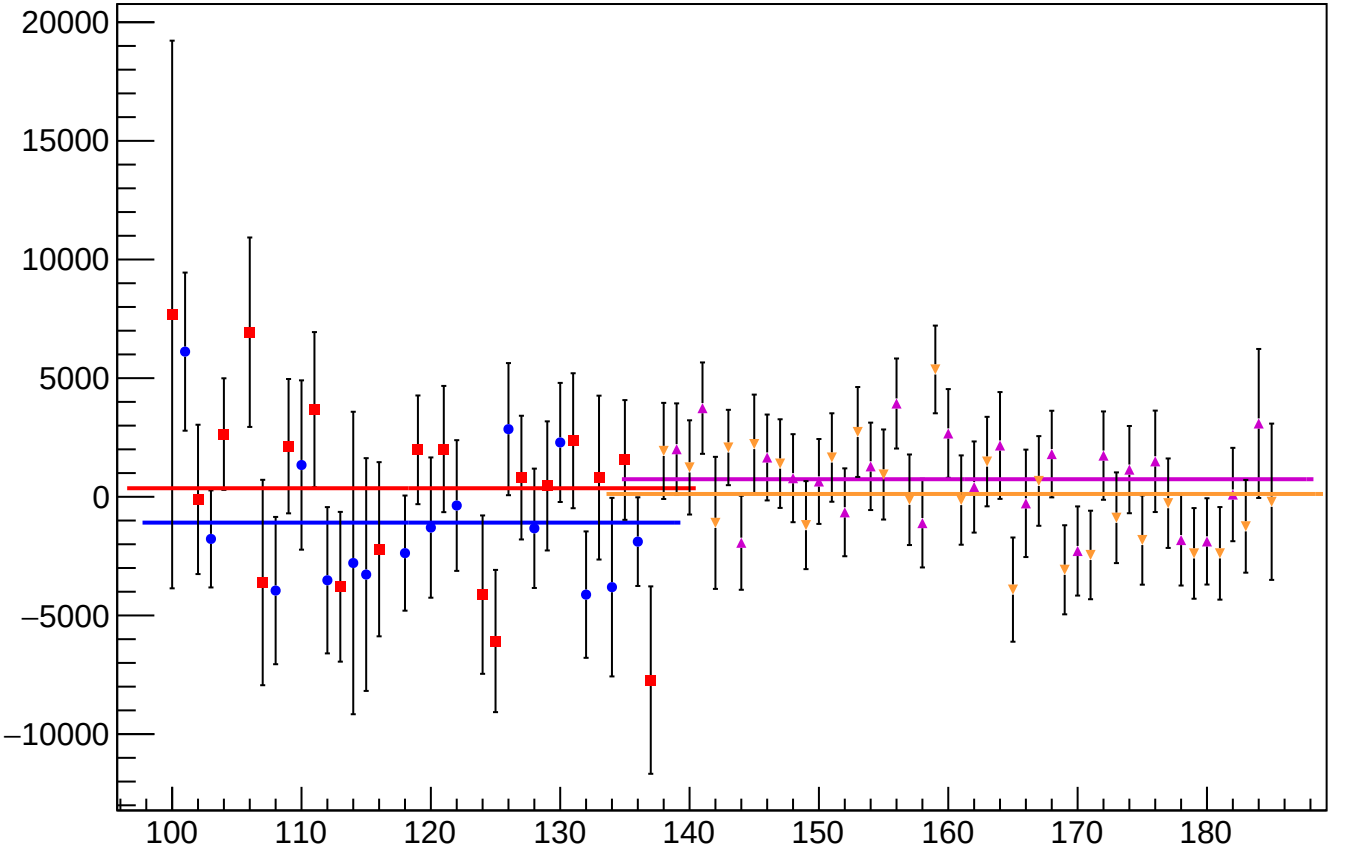
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4153.020+/-0.584 χ^2/NDF: 1998398.9/40

All: 2674.115+/-0.324 χ^2/NDF: 35690898.2/8

- 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: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

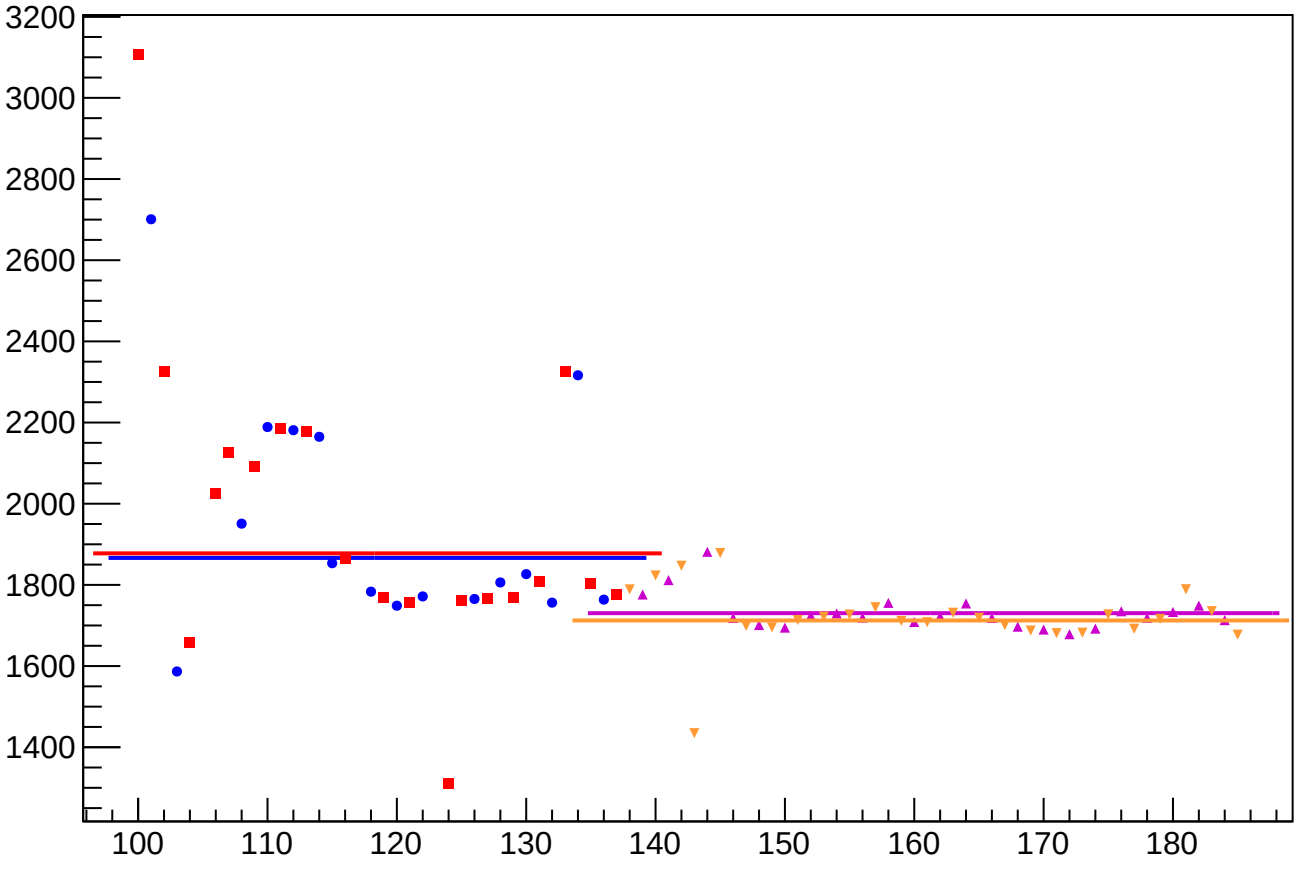
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -165.772+/-340.282 χ^2/NDF: 45.2/40

All: 228.784+/-243.968 χ^2/NDF: 88.0/82

- 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: 1712.310+/-0.275 χ^2/NDF:94398.1/24

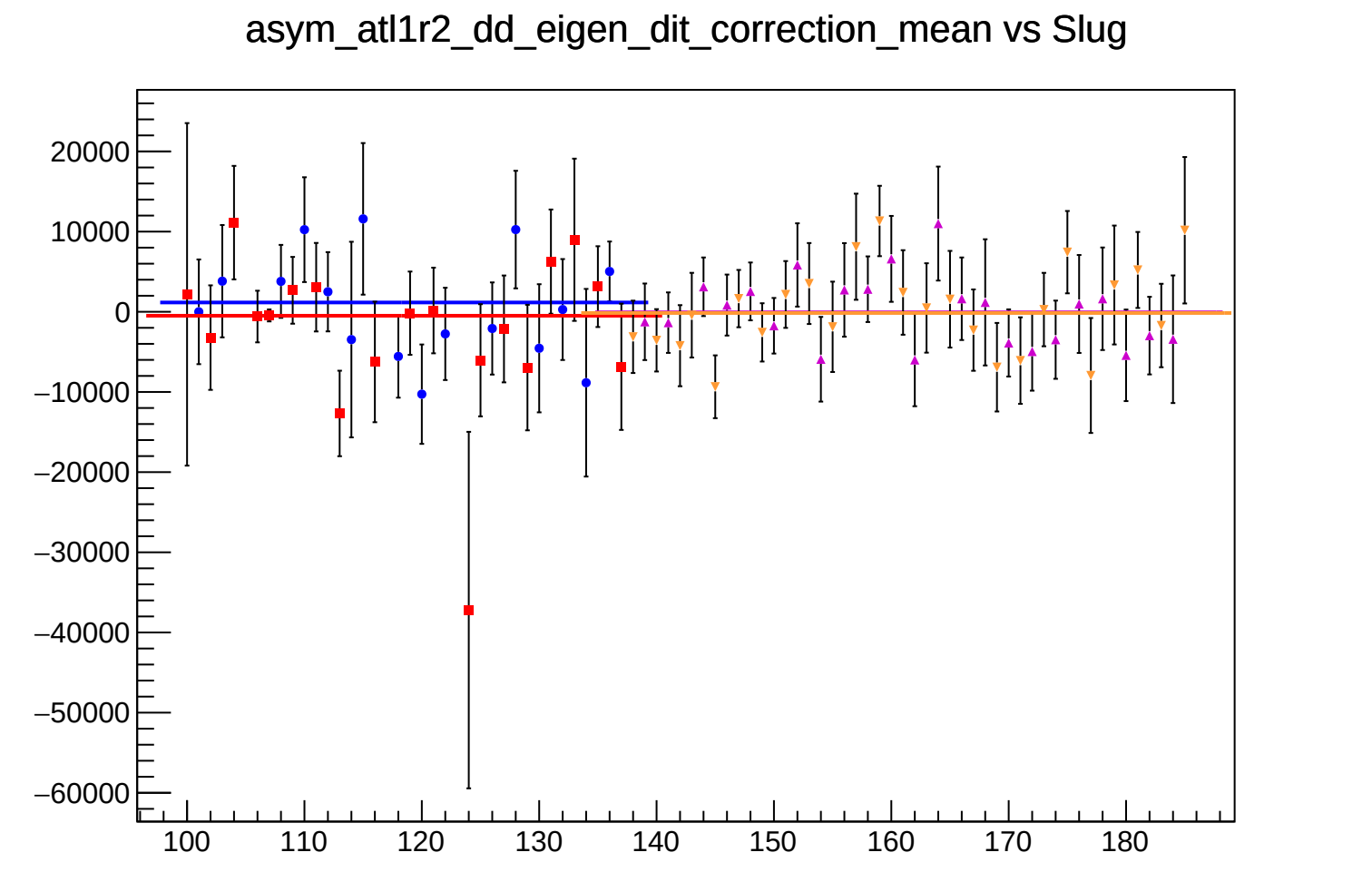
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1748.780+/-0.241 χ^2/NDF: 424786.7/40

All: 1757.756+/-0.172 χ^2/NDF: 769140.1/82

- 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: -150.169+/-984.986 χ^2/NDF:26.9/24

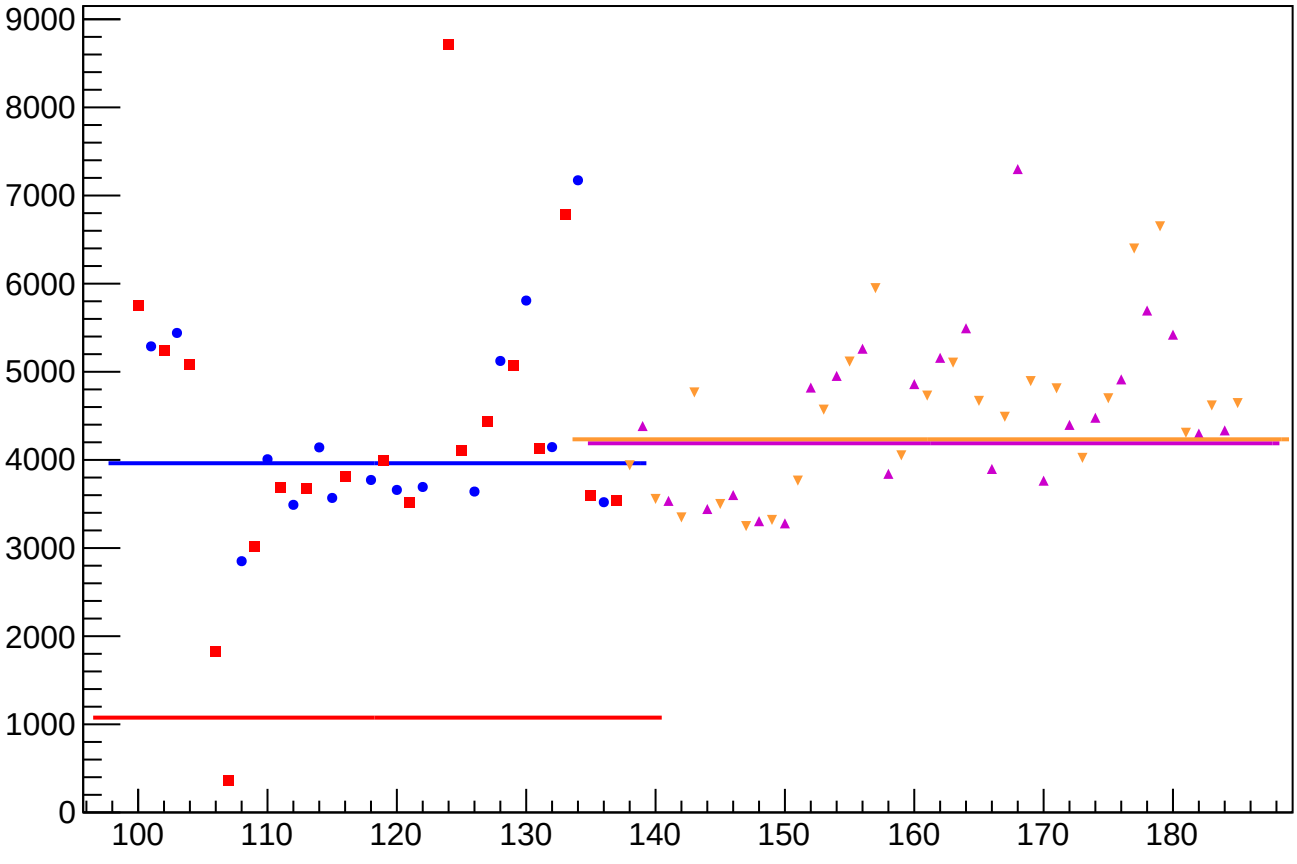
Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 240.432+/-825.345 χ^2/NDF: 41.0/40

All: -177.817+/-457.686 χ^2/NDF: 72.5/82

- sign -363.550+/-550.000 χ^2/NDF: 31.1/41



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

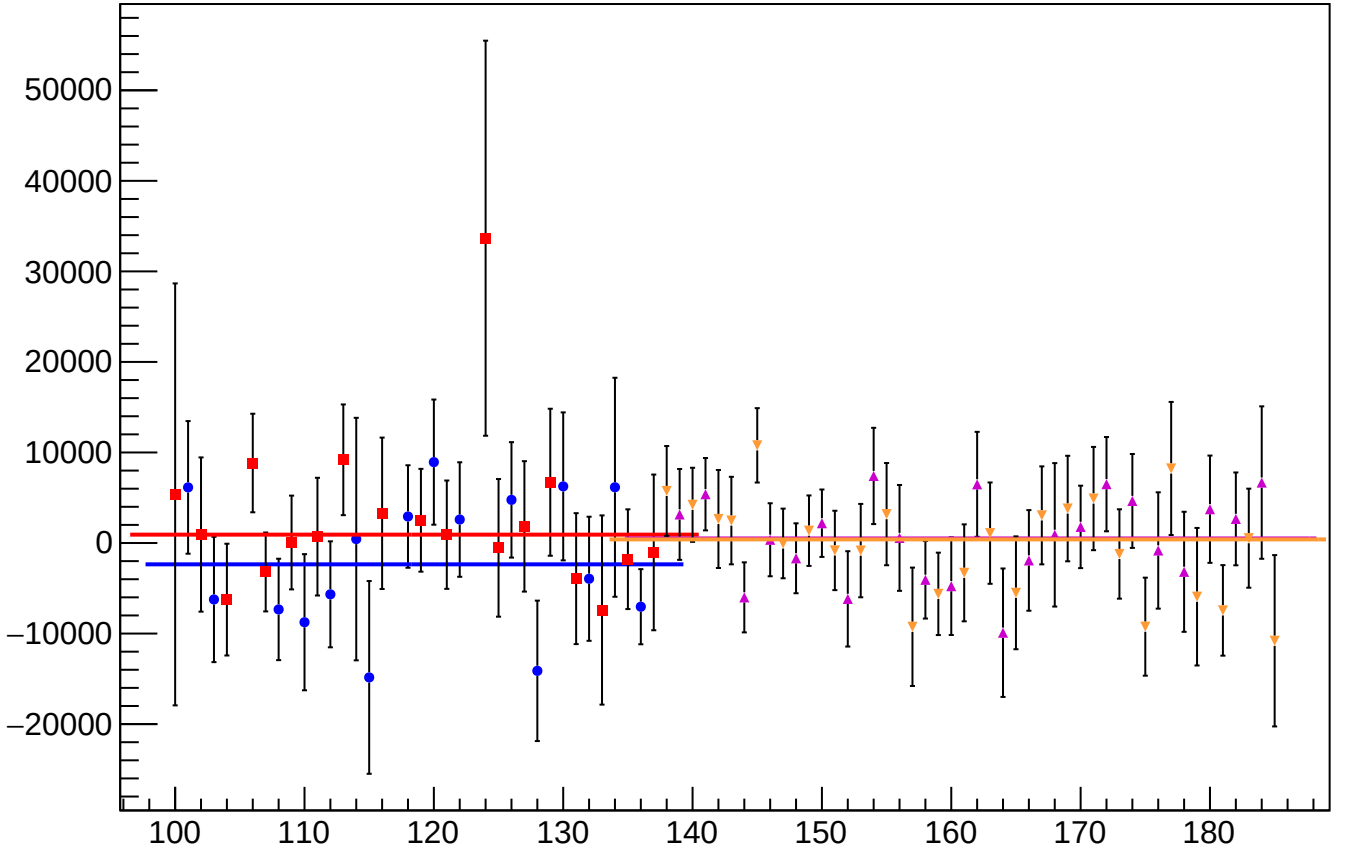
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4153.022+/-0.584 χ^2/NDF: 1998401.7/40

All: 2674.156+/-0.324 χ^2/NDF: 35689968.9/8

- 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: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

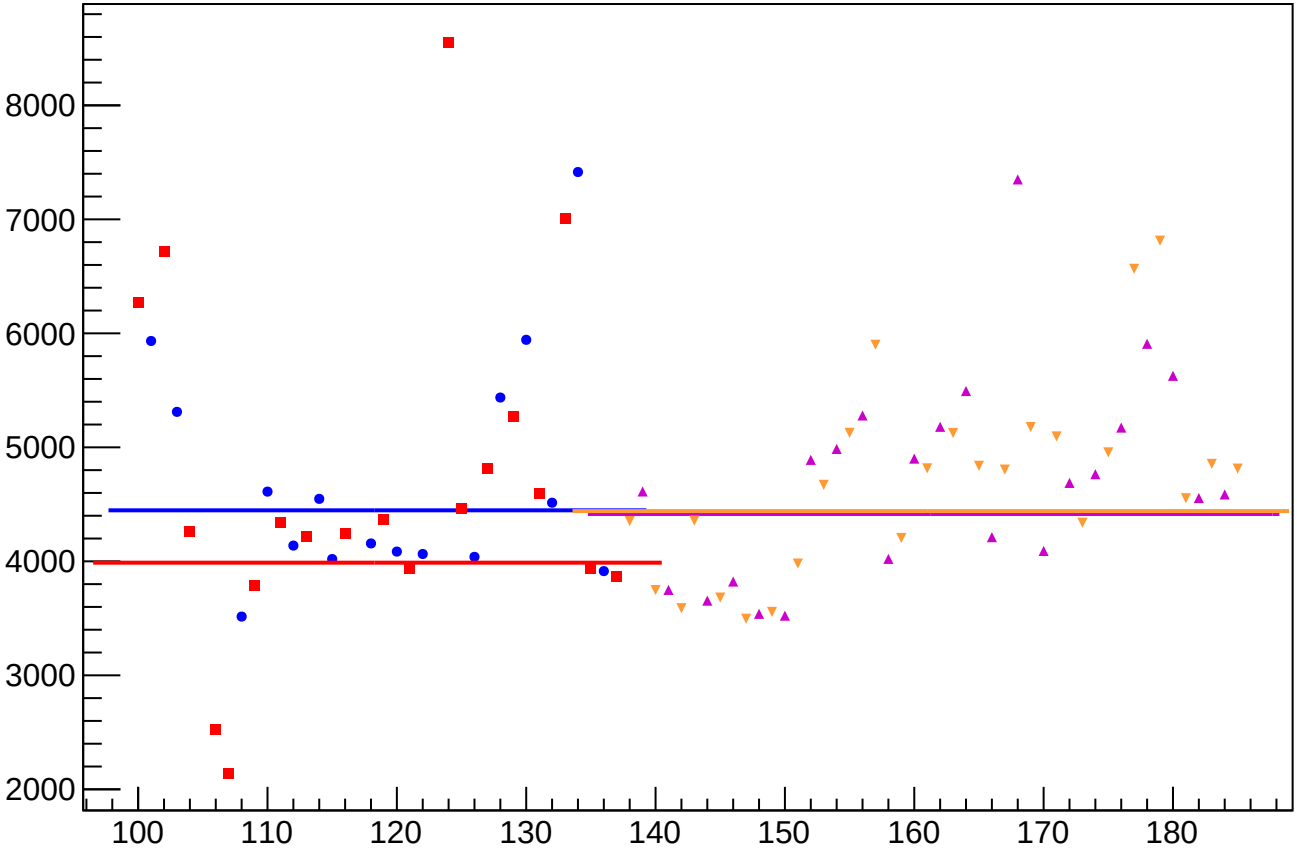
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -349.056+/-877.810 χ^2/NDF: 42.2/40

All: 148.684+/-617.418 χ^2/NDF: 70.9/82

- 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: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

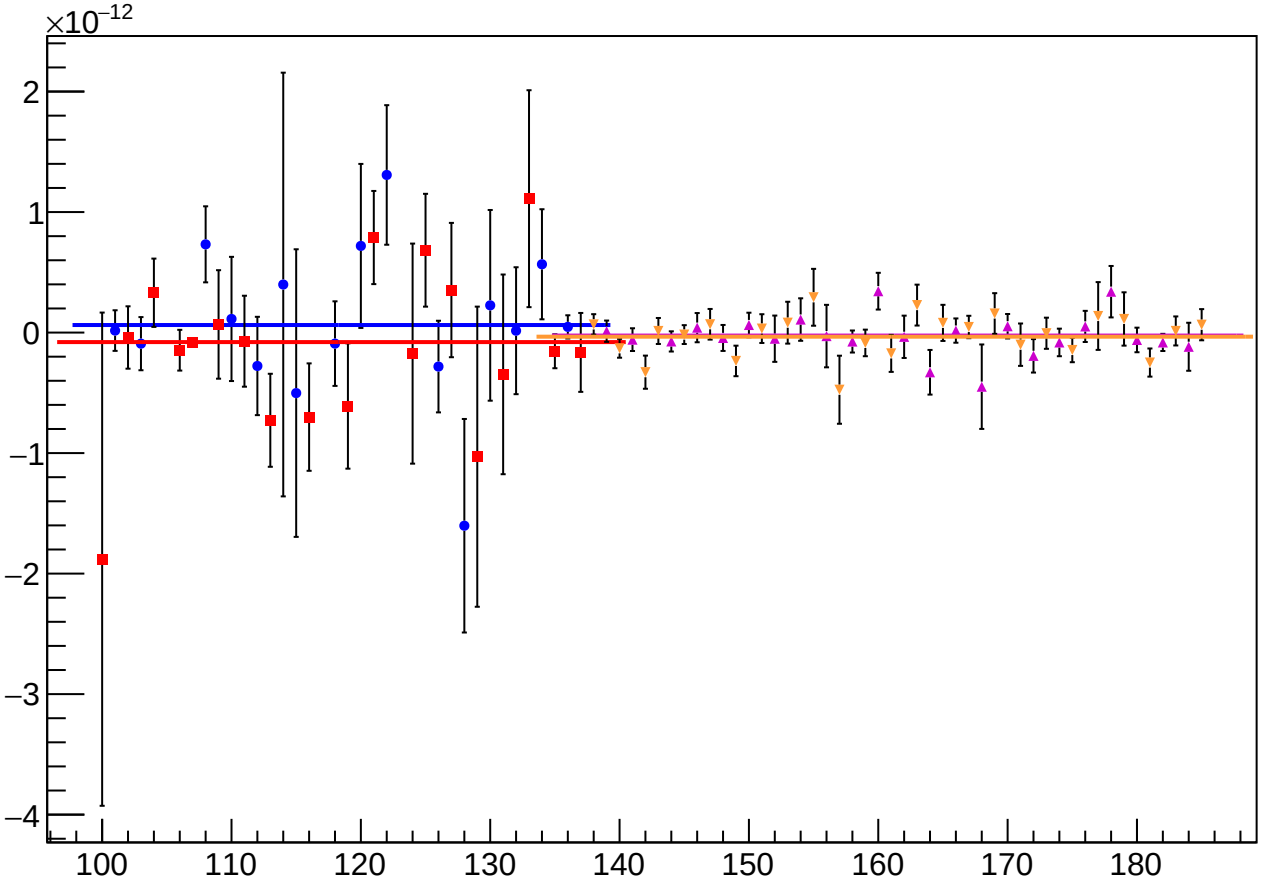
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4442.605+/-0.621 χ^2/NDF: 1531392.8/40

All: 4359.607+/-0.436 χ^2/NDF: 3927845.1/82

- 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:28.5/24

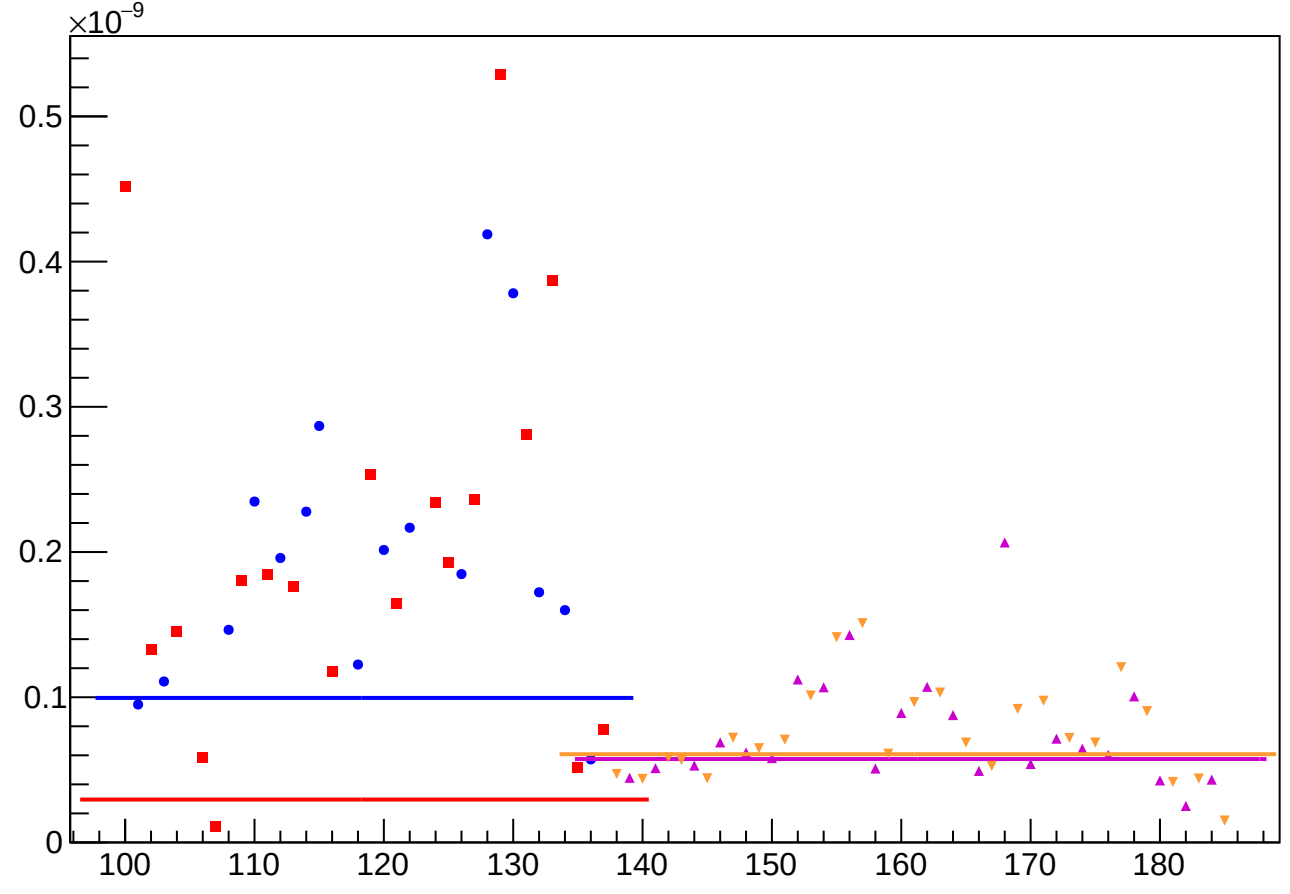
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.7/40

All: -0.000+/-0.000 χ^2/NDF: 89.2/82

- sign -0.000+/-0.000 χ^2/NDF: 41.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

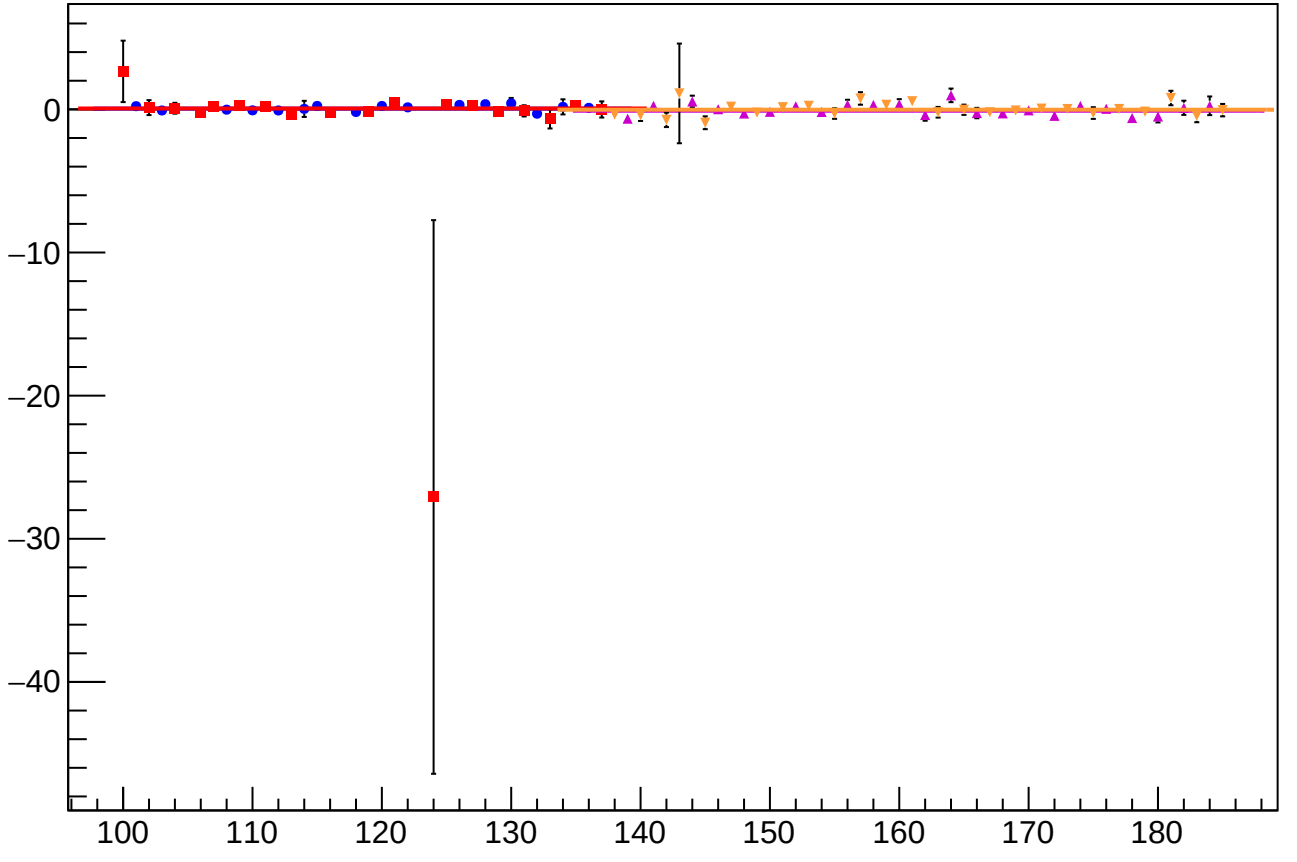
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3859613.0/40

All: 0.000+/-0.000 χ^2/NDF: 11682822.1/82

- 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: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

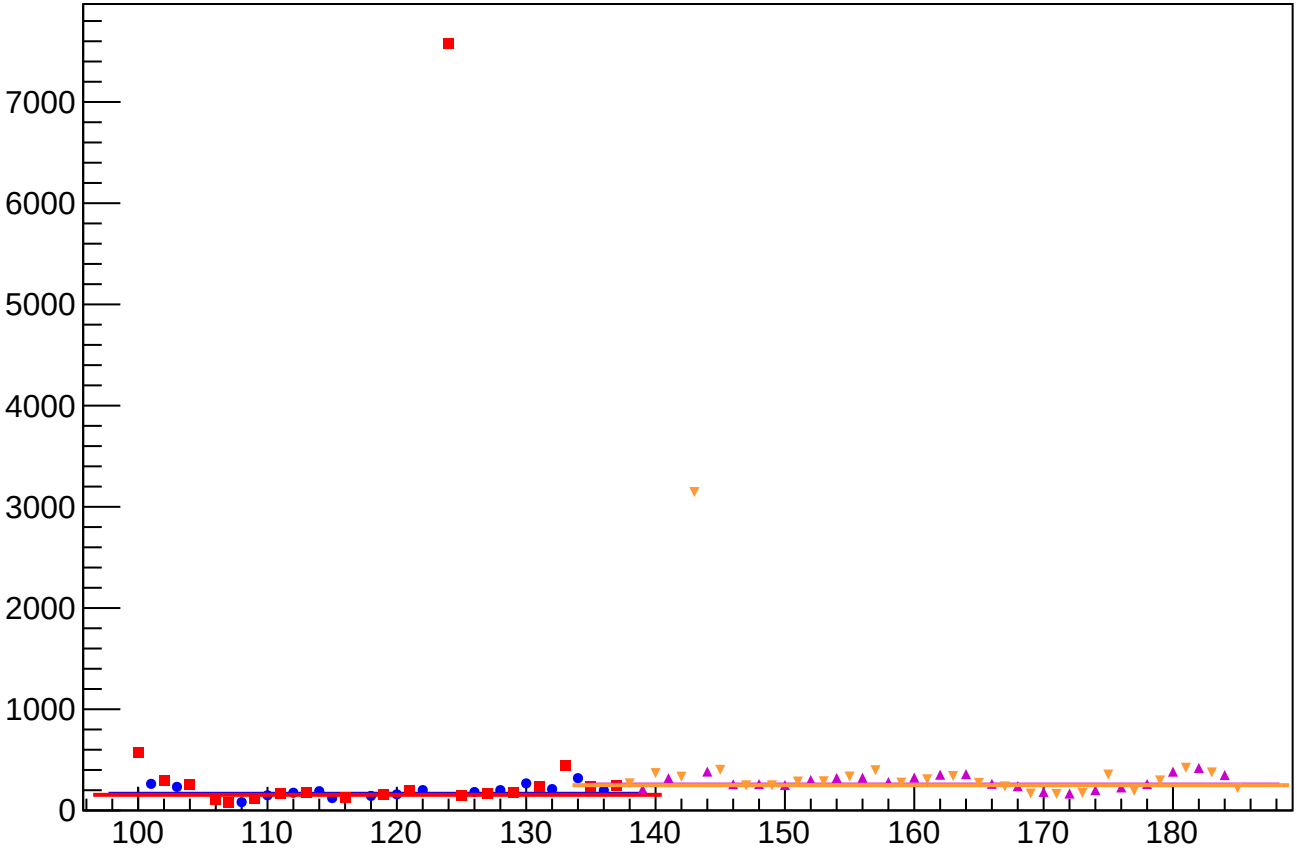
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.009+/-0.045 χ^2/NDF: 31.8/40

All: -0.005+/-0.032 χ^2/NDF: 84.9/82

- 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: 249.848+/-0.044 χ^2/NDF:4234507.4/24

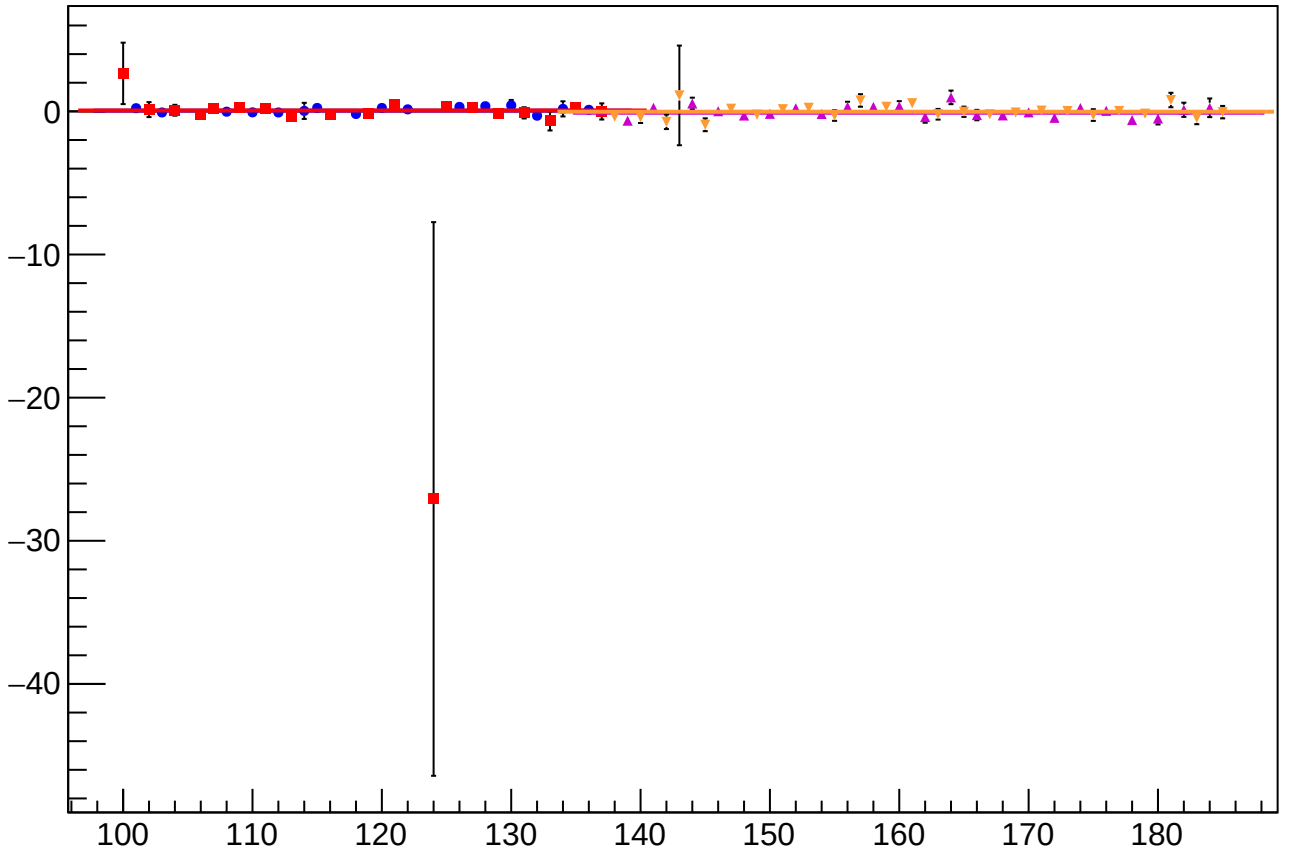
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.529+/-0.032 χ^2/NDF: 7469409.4/40

All: 208.235+/-0.023 χ^2/NDF: 14021674.3/82

- 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: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

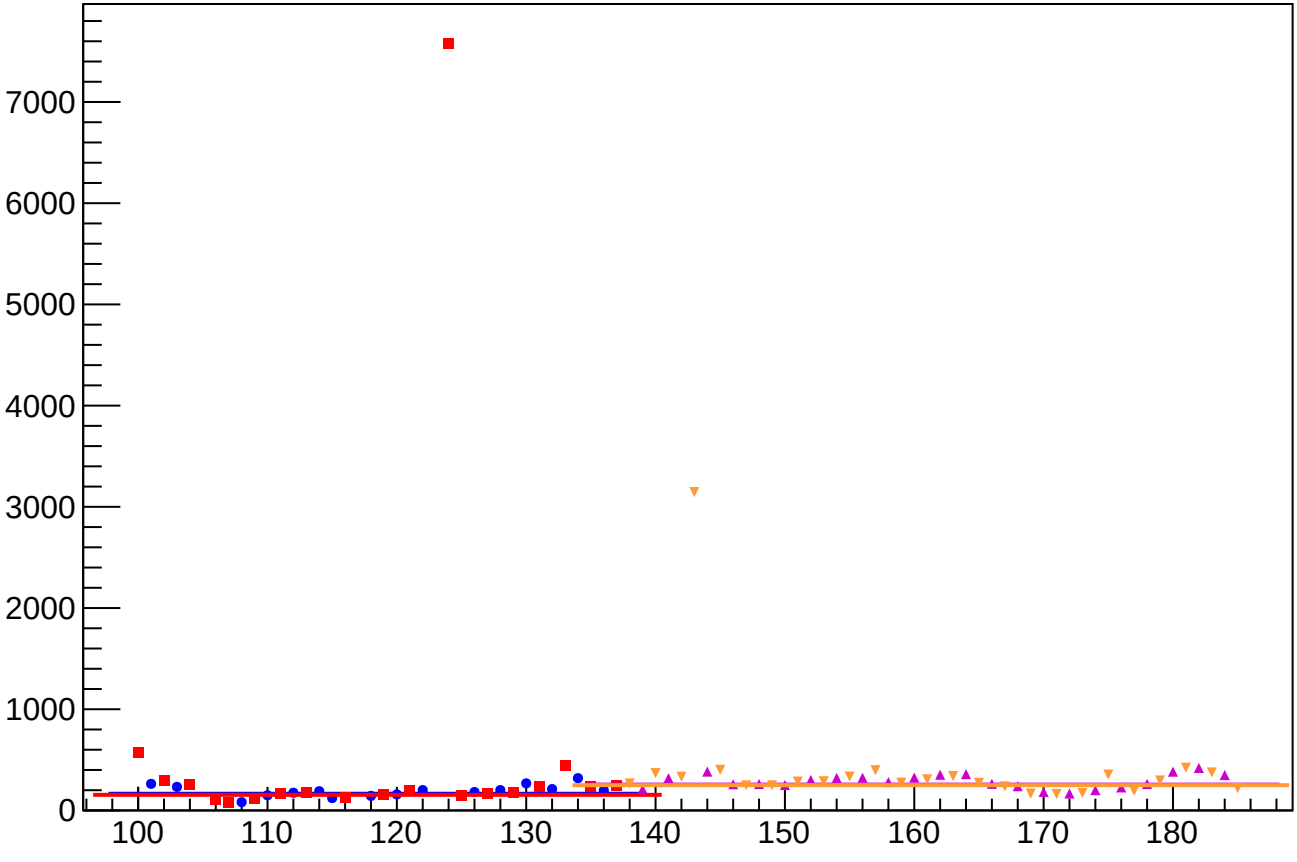
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.009+/-0.045 χ^2/NDF: 31.8/40

All: -0.005+/-0.032 χ^2/NDF: 84.9/82

- 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: 249.848+/-0.044 χ^2/NDF:4234507.4/24

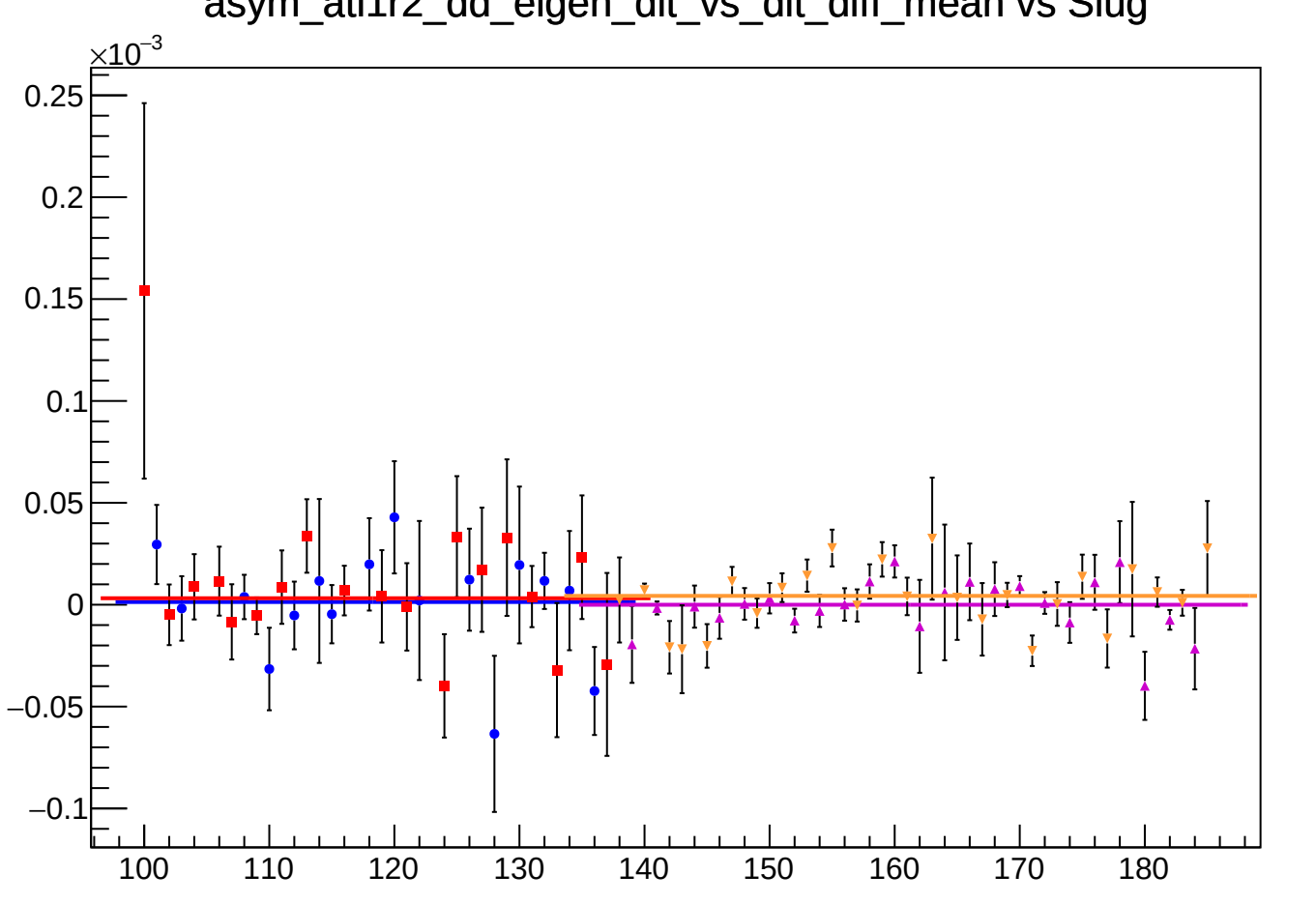
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.529+/-0.032 χ^2/NDF: 7469409.4/40

All: 208.235+/-0.023 χ^2/NDF: 14021674.3/82

- 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:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

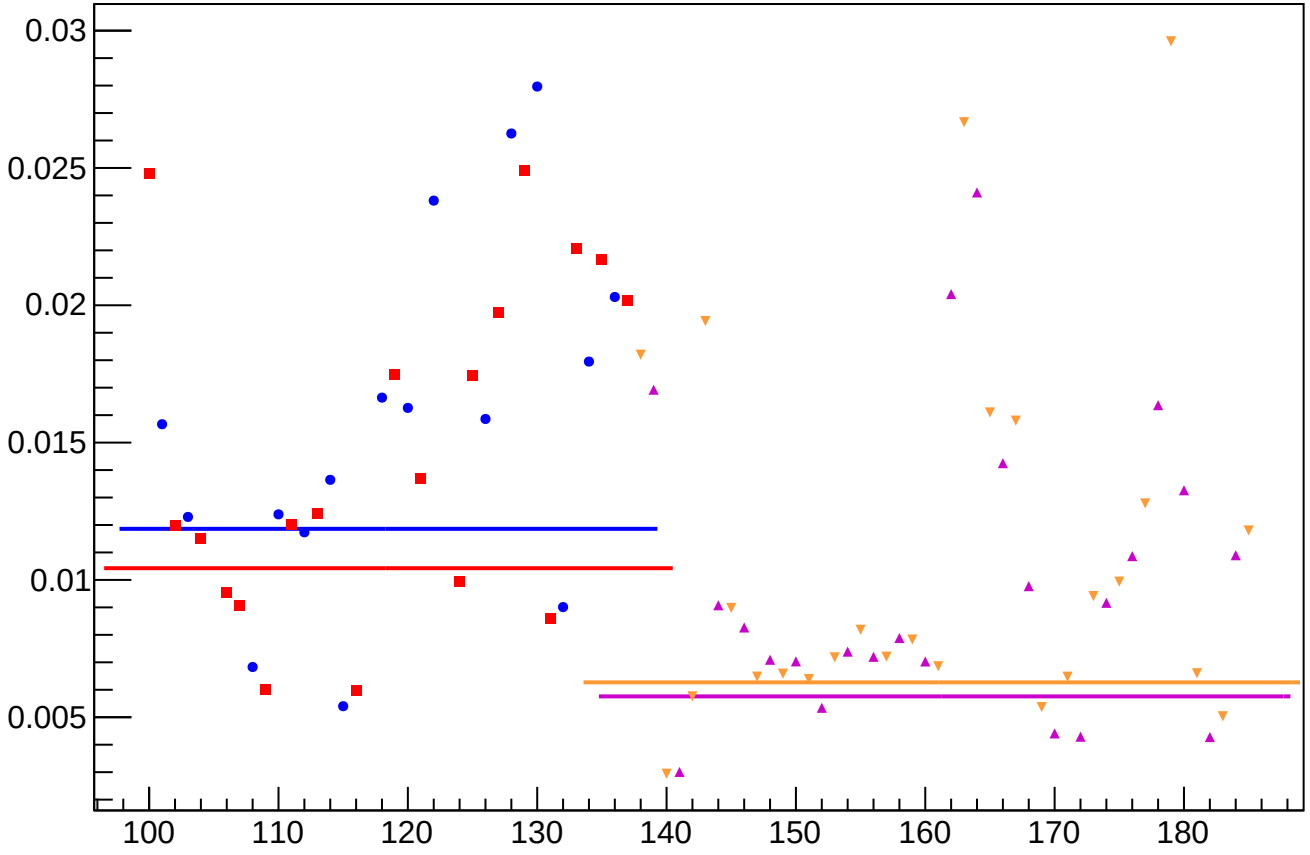
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/40

All: 0.000+/-0.000 χ^2/NDF: 109.5/82

- 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:7909965.6/24

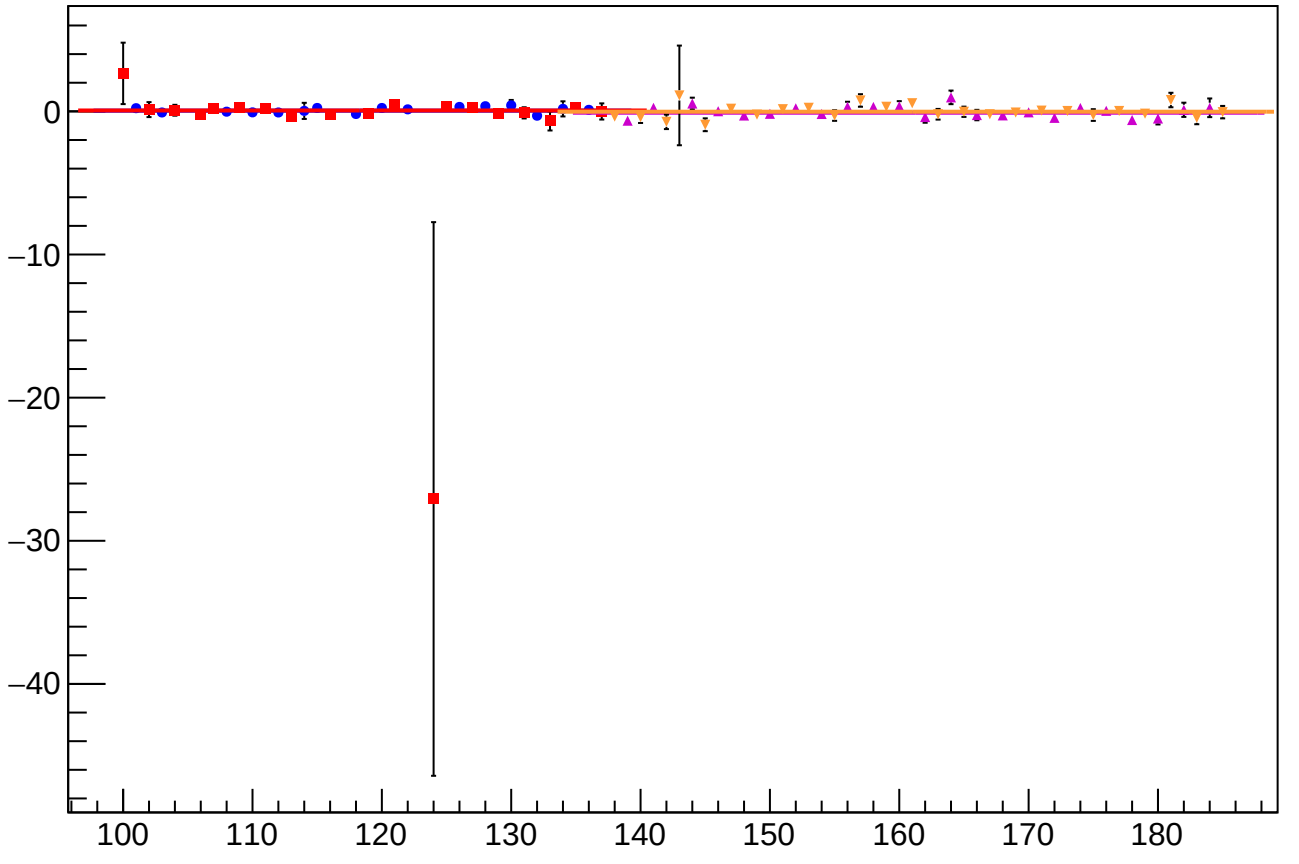
Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 12676990.2/40

All: 0.007+/-0.000 χ^2/NDF: 24358516.6/82

- 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: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

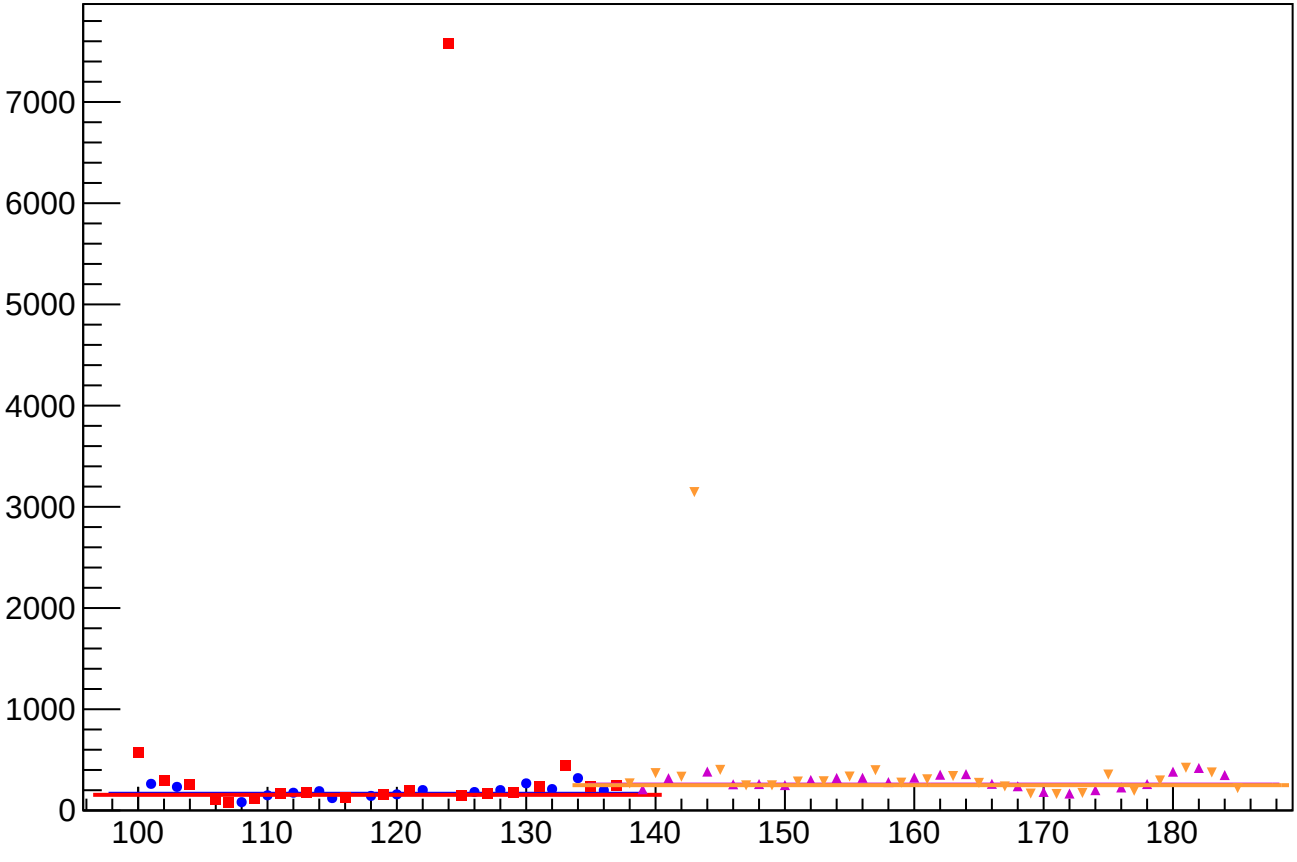
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.009+/-0.045 χ^2/NDF: 31.8/40

All: -0.005+/-0.032 χ^2/NDF: 84.9/82

- 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: 249.850+/-0.044 χ^2/NDF:4234600.7/24

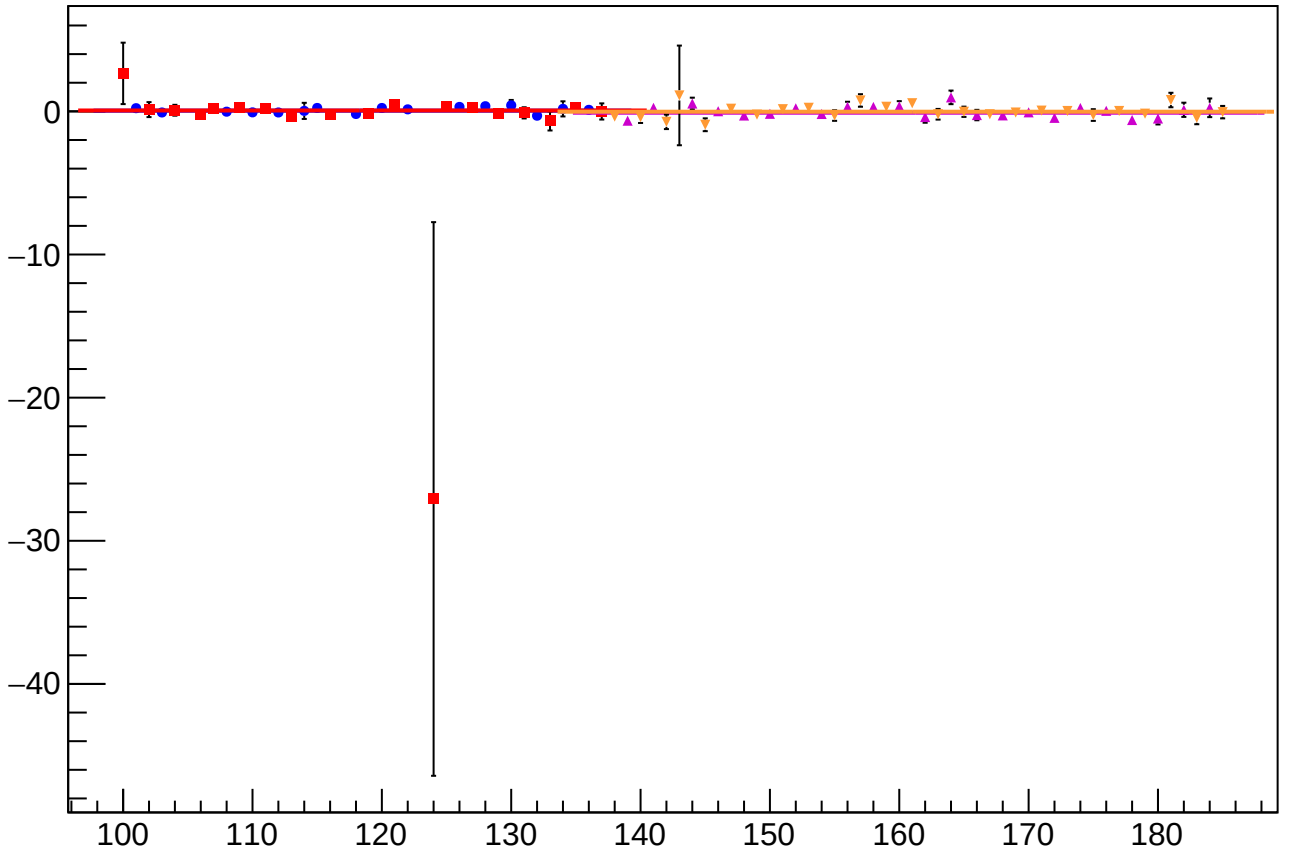
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.529+/-0.032 χ^2/NDF: 7469546.3/40

All: 208.235+/-0.023 χ^2/NDF: 14021977.3/82

- 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: -0.024+/-0.062 χ^2/NDF:23.5/24

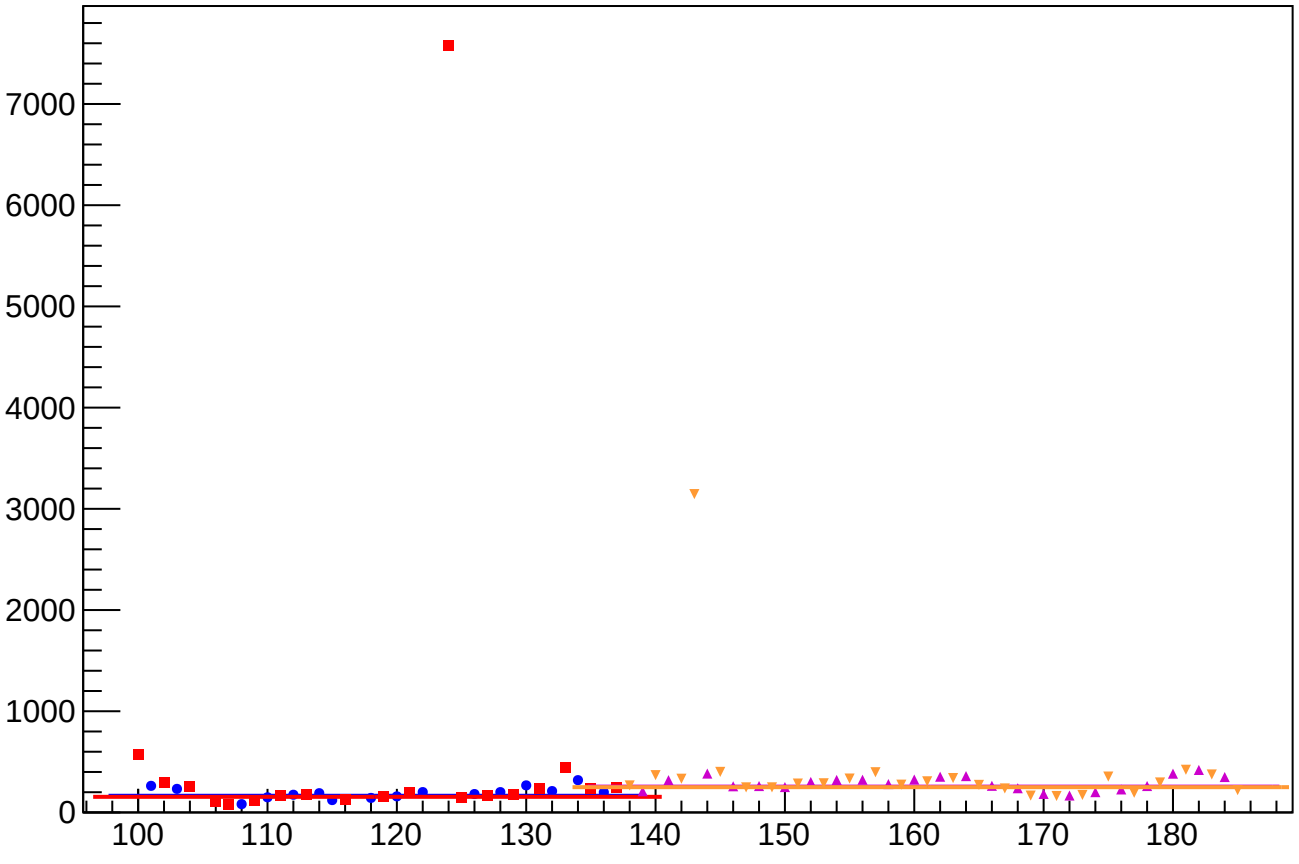
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.009+/-0.045 χ^2/NDF: 31.8/40

All: -0.005+/-0.032 χ^2/NDF: 84.9/82

- 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: 249.850+/-0.044 χ^2/NDF:4234600.7/24

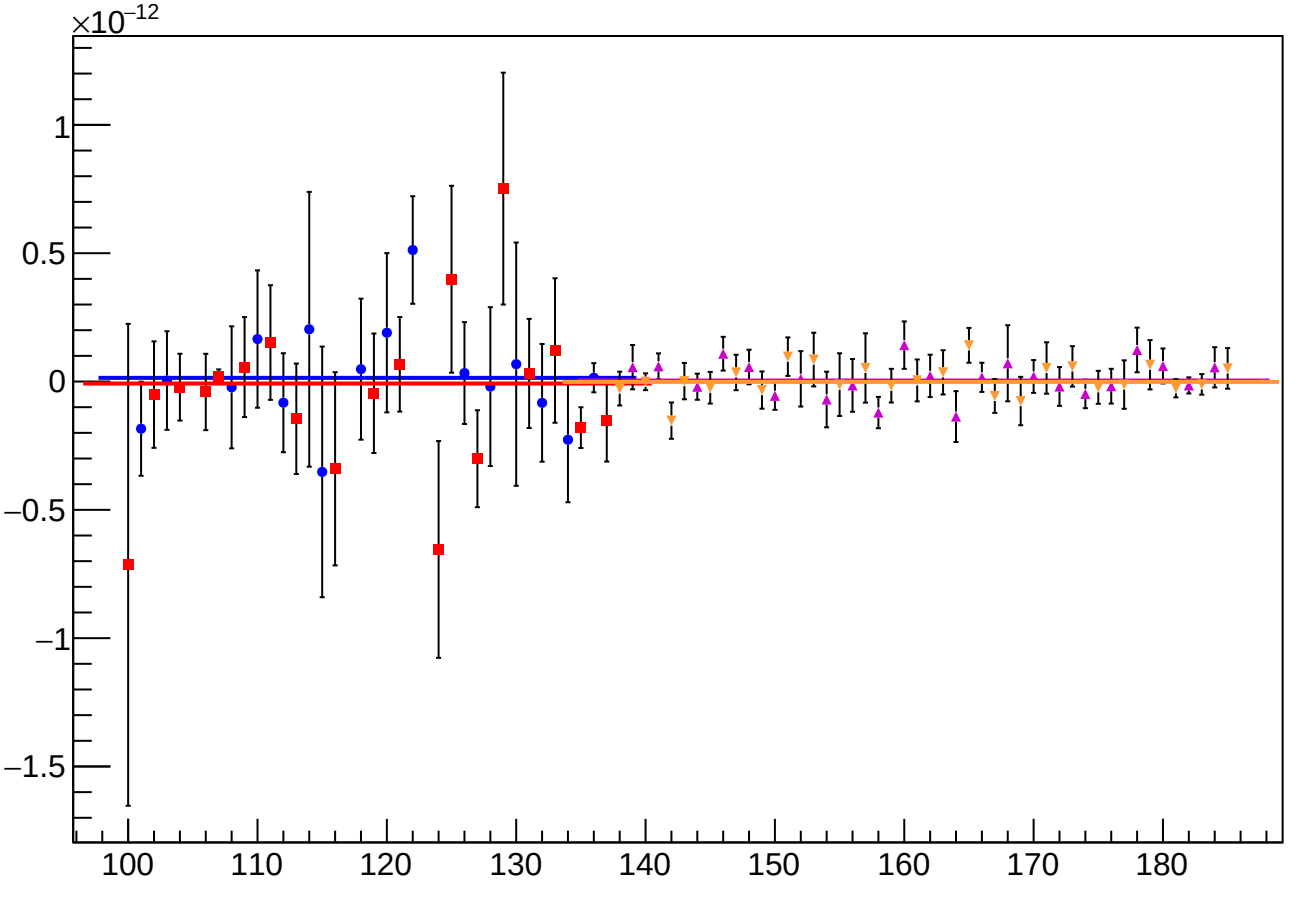
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.529+/-0.032 χ^2/NDF: 7469546.3/40

All: 208.235+/-0.023 χ^2/NDF: 14021977.3/82

- 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:16.4/24

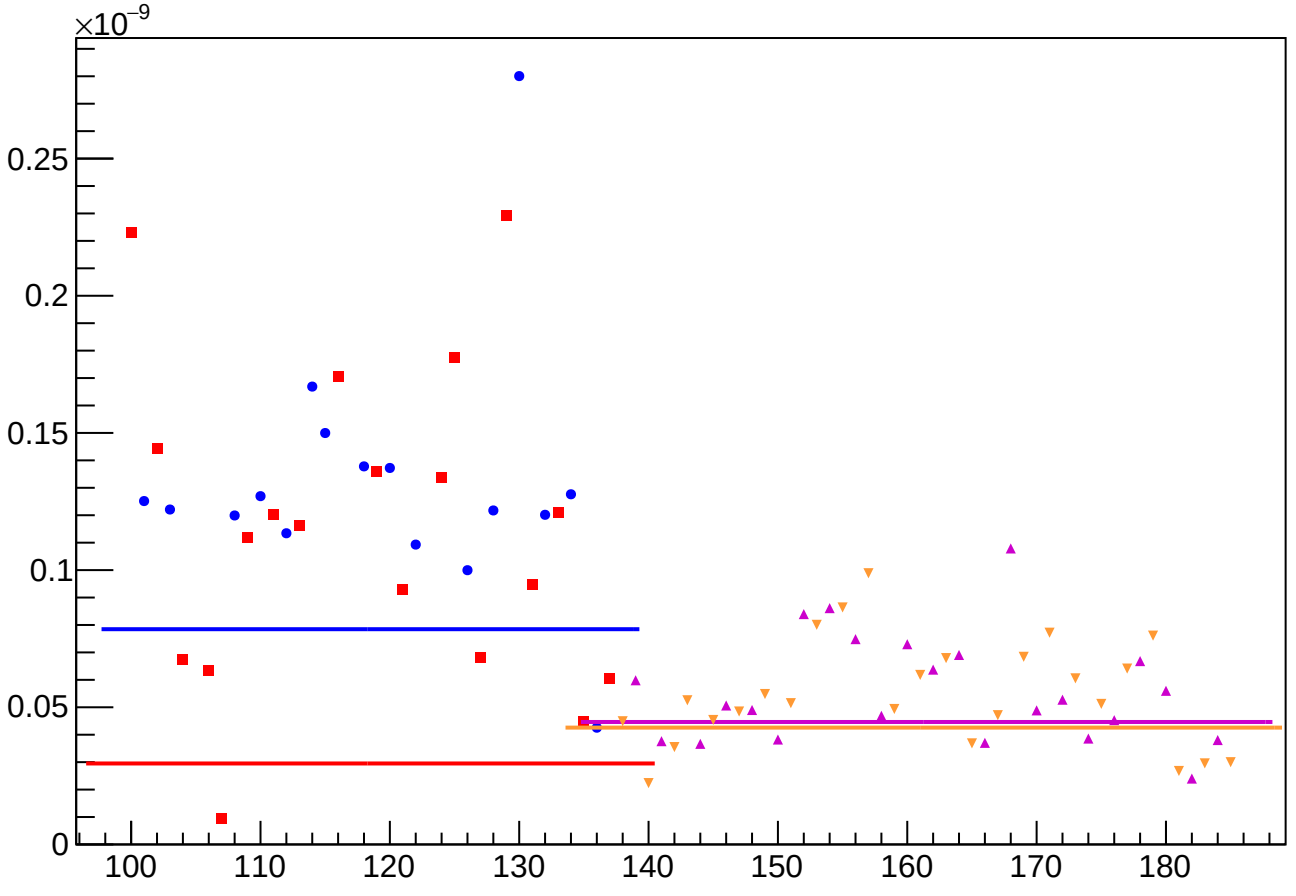
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 26.1/40

All: 0.000+/-0.000 χ^2/NDF: 64.6/82

- 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:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

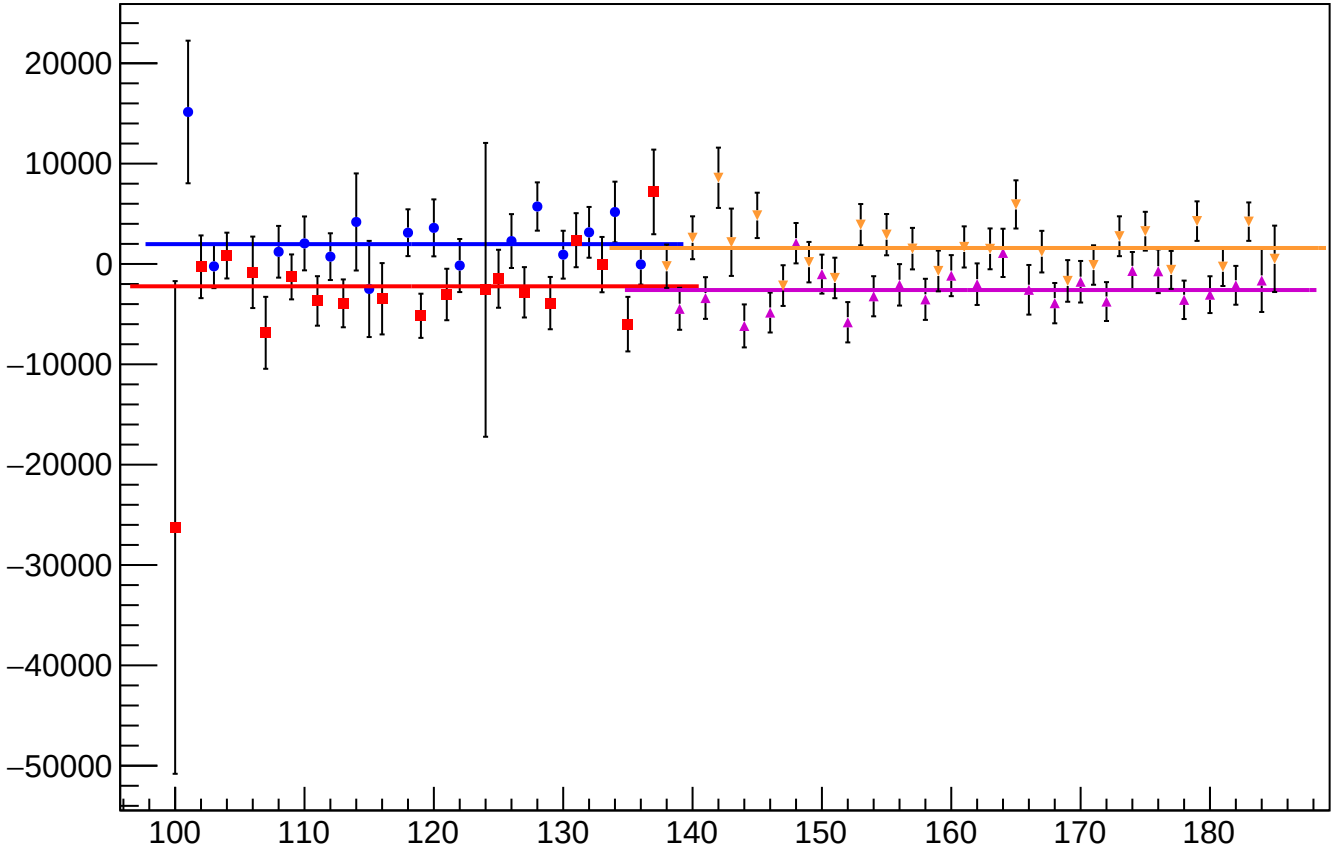
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7061145.0/40

All: 0.000+/-0.000 χ^2/NDF: 16230839.5/82

- 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: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

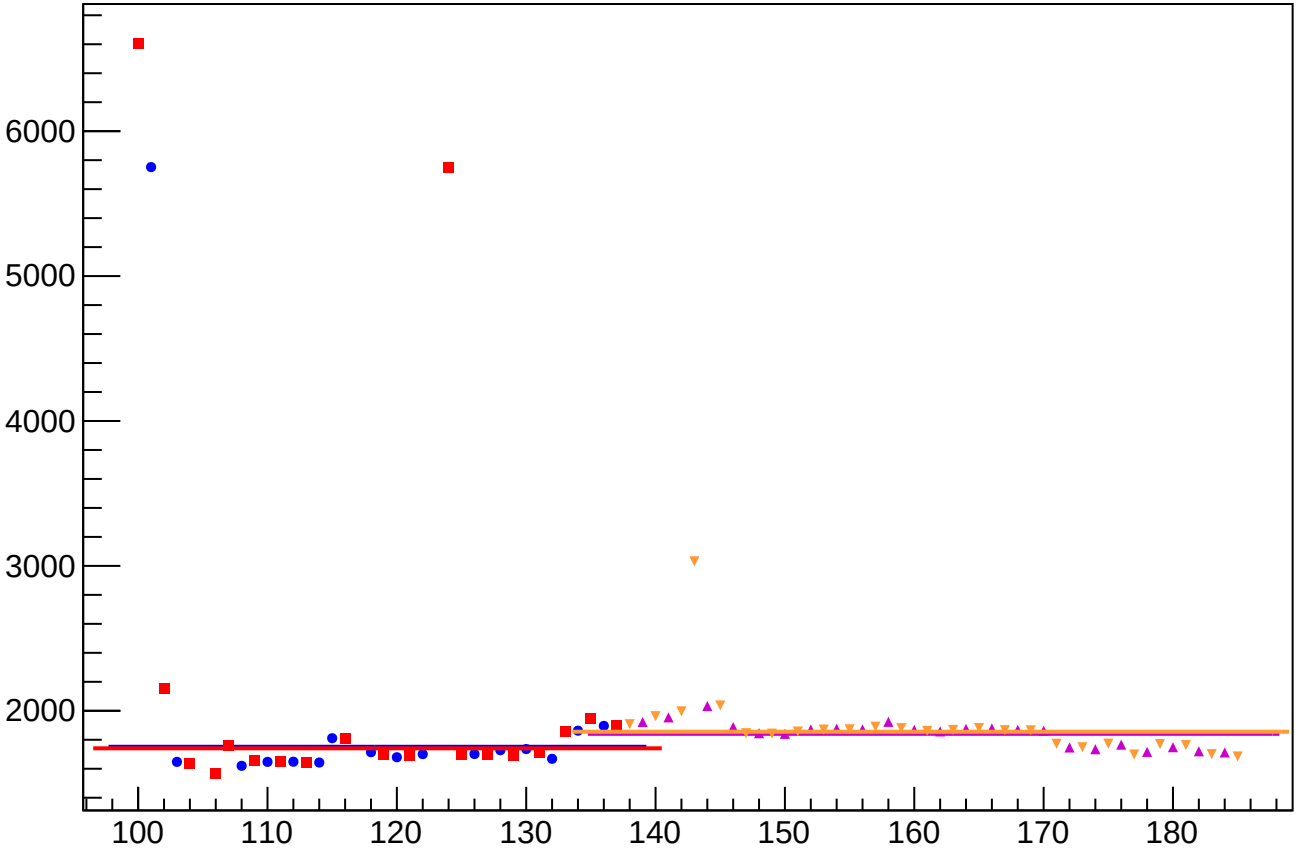
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1702.503+/-357.510 χ^2/NDF: 43.6/40

All: -378.129+/-253.619 χ^2/NDF: 151.1/82

- 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: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

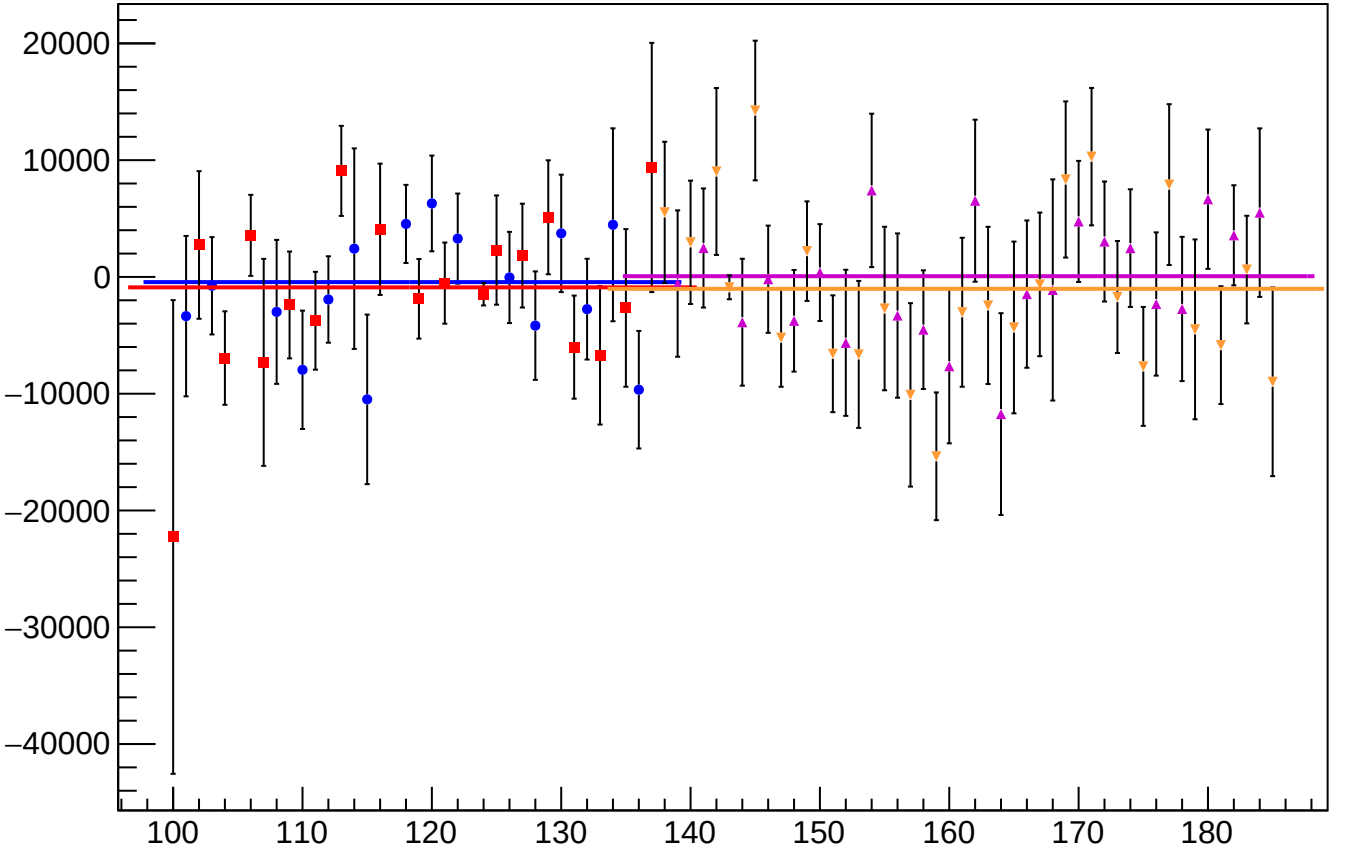
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.758+/-0.253 χ^2/NDF: 1029498.0/40

All: 1818.225+/-0.179 χ^2/NDF: 1439686.9/82

- 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: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

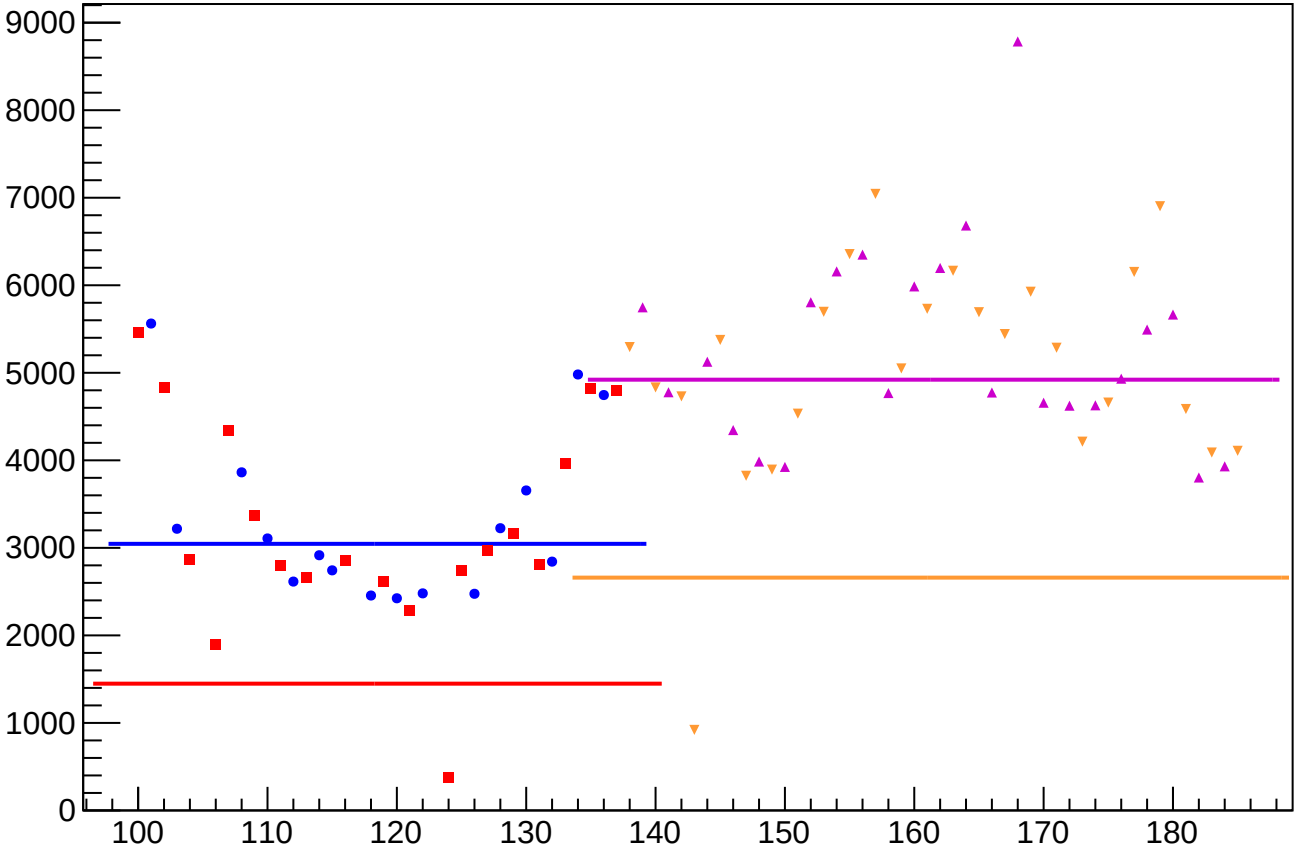
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -845.556+/-645.002 χ^2/NDF: 49.8/40

All: -732.055+/-445.941 χ^2/NDF: 83.5/82

- 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: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

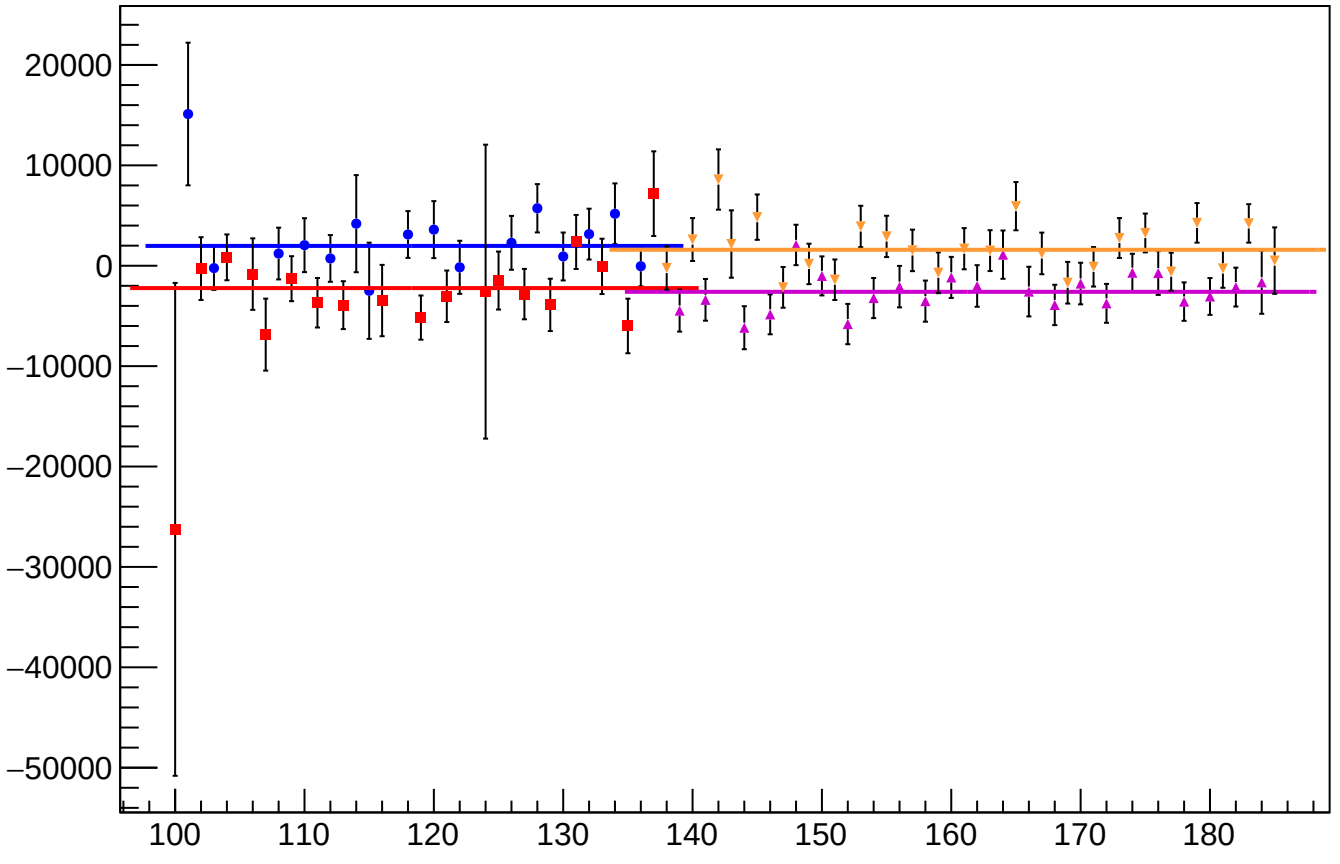
Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2776.405+/-0.456 χ^2/NDF: 15594268.1/40

All: 2584.814+/-0.315 χ^2/NDF: 36641254.1/8

- 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: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

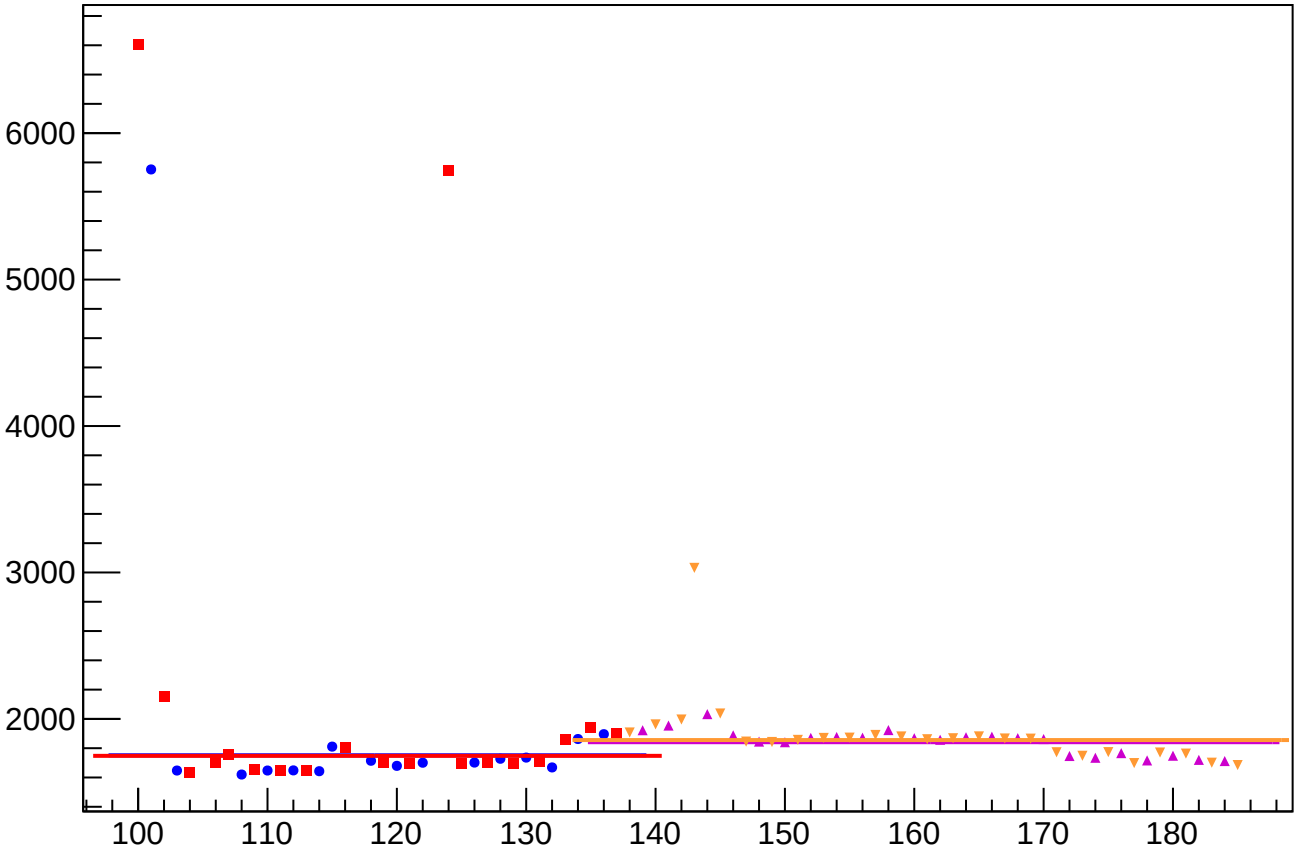
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1702.378+/-357.510 χ^2/NDF: 43.6/40

All: -378.232+/-253.619 χ^2/NDF: 151.1/82

- 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: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

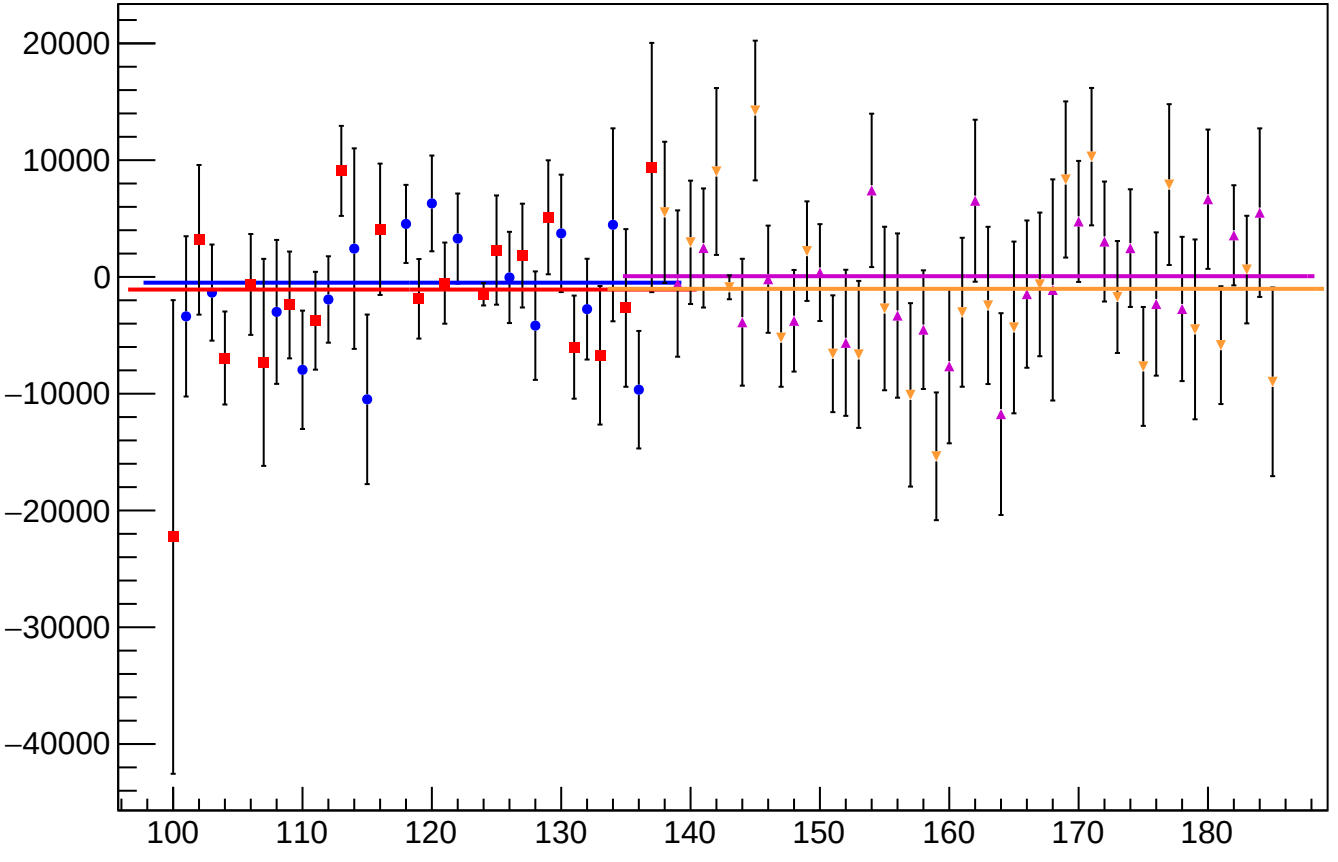
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.758+/-0.253 χ^2/NDF: 1029498.4/40

All: 1819.322+/-0.179 χ^2/NDF: 1428058.8/82

- 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: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

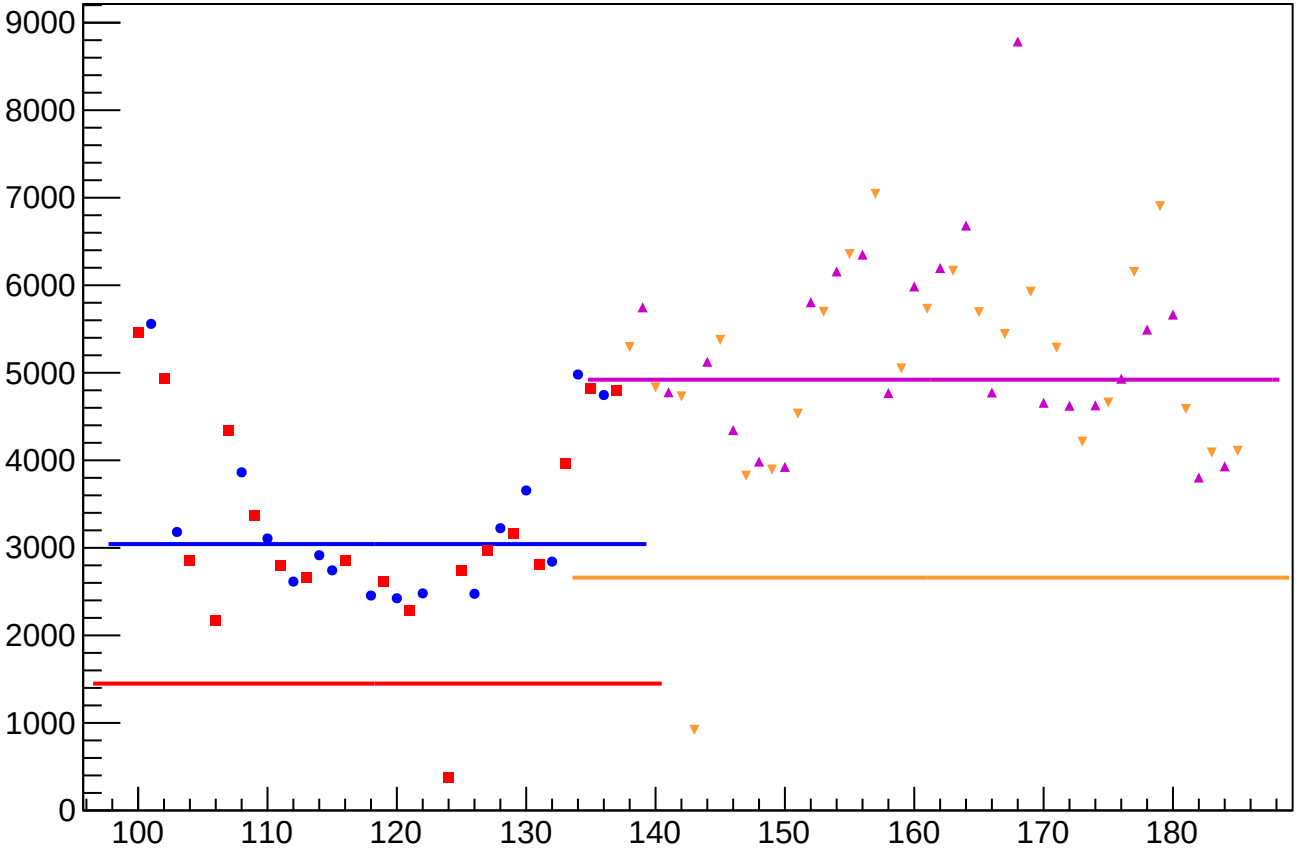
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -859.900+/-644.791 χ^2/NDF: 49.9/40

All: -808.579+/-447.189 χ^2/NDF: 82.0/82

- 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: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

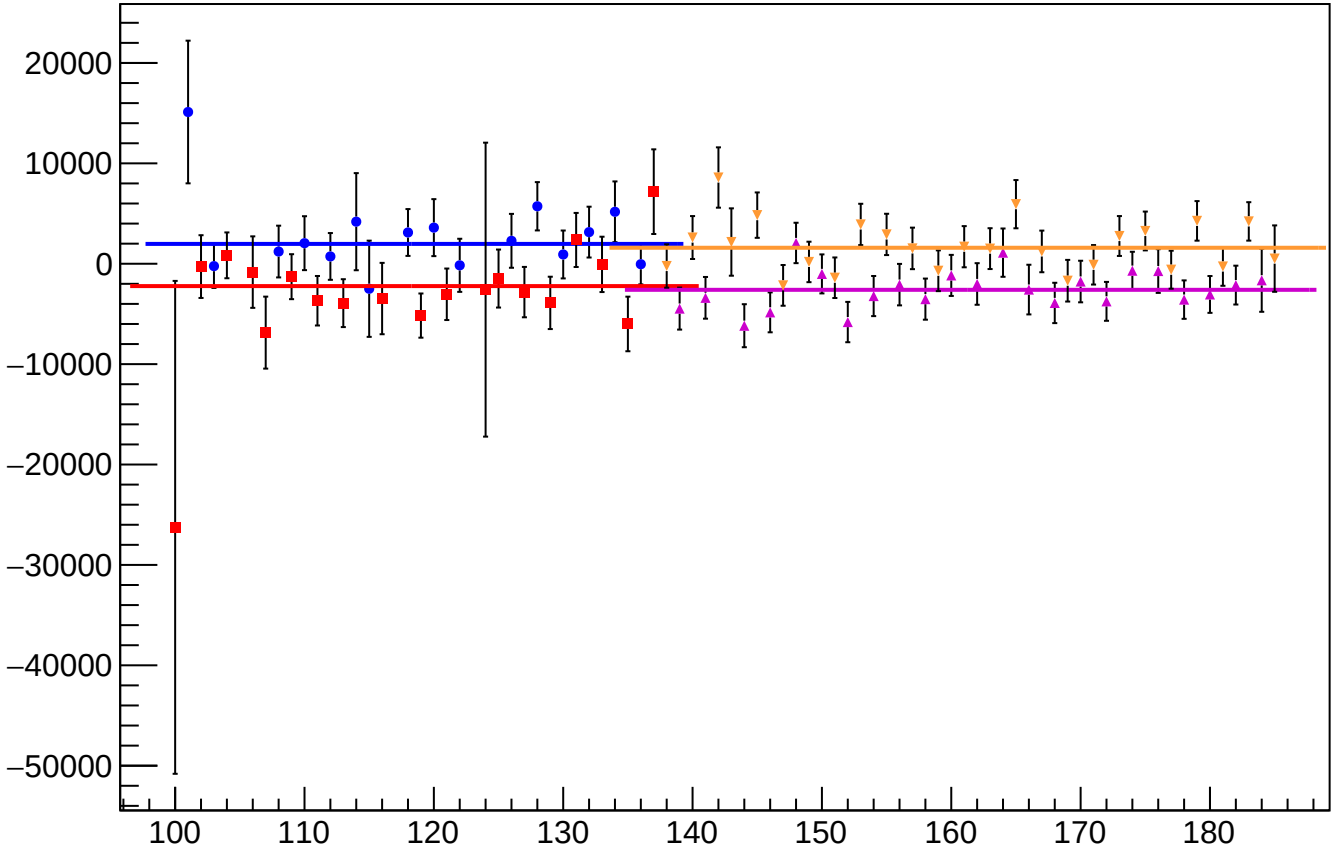
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2775.698+/-0.456 χ^2/NDF: 15591514.9/40

All: 2591.630+/-0.316 χ^2/NDF: 36590776.8/8

- 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: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

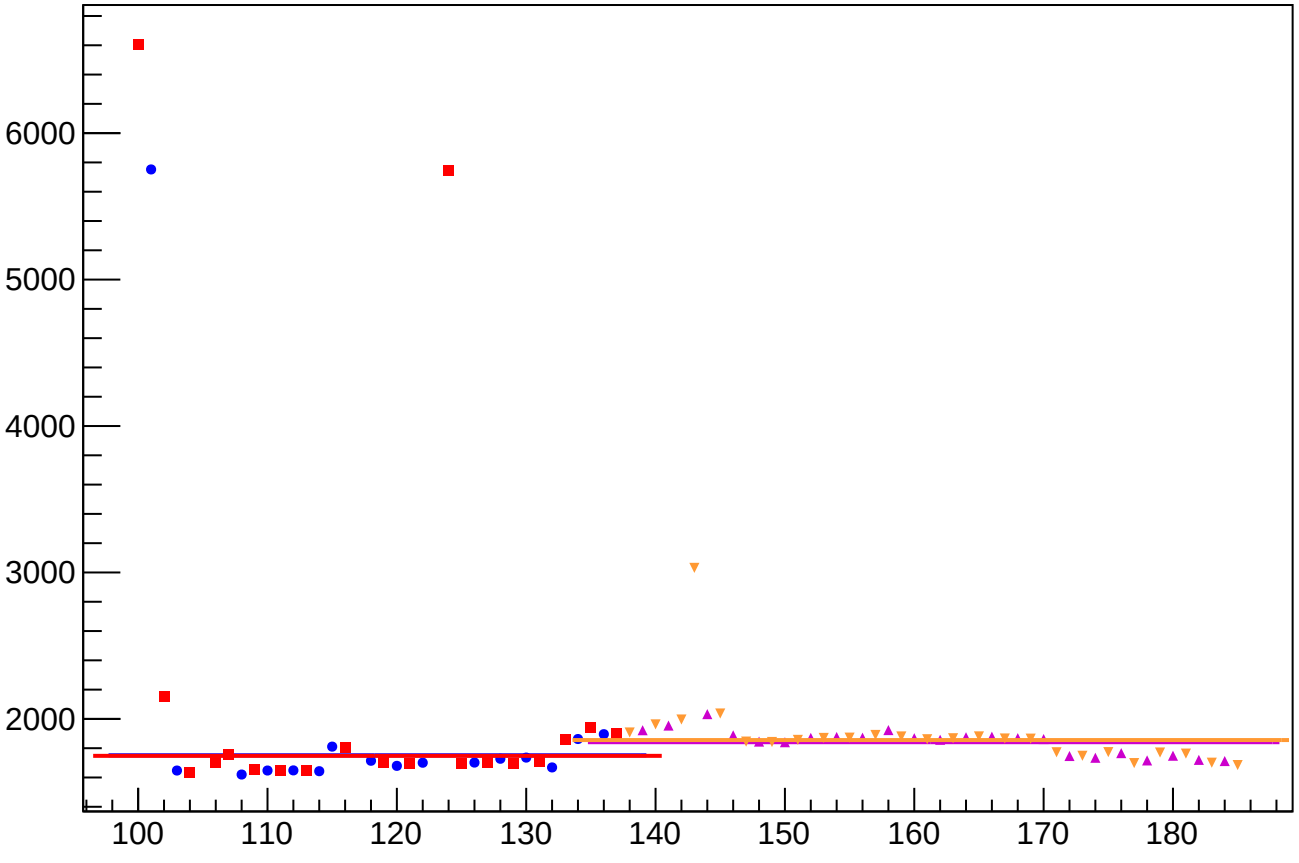
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1702.378+/-357.510 χ^2/NDF: 43.6/40

All: -378.232+/-253.619 χ^2/NDF: 151.1/82

- 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: 1855.560+/-0.299 χ^2/NDF:324267.7/24

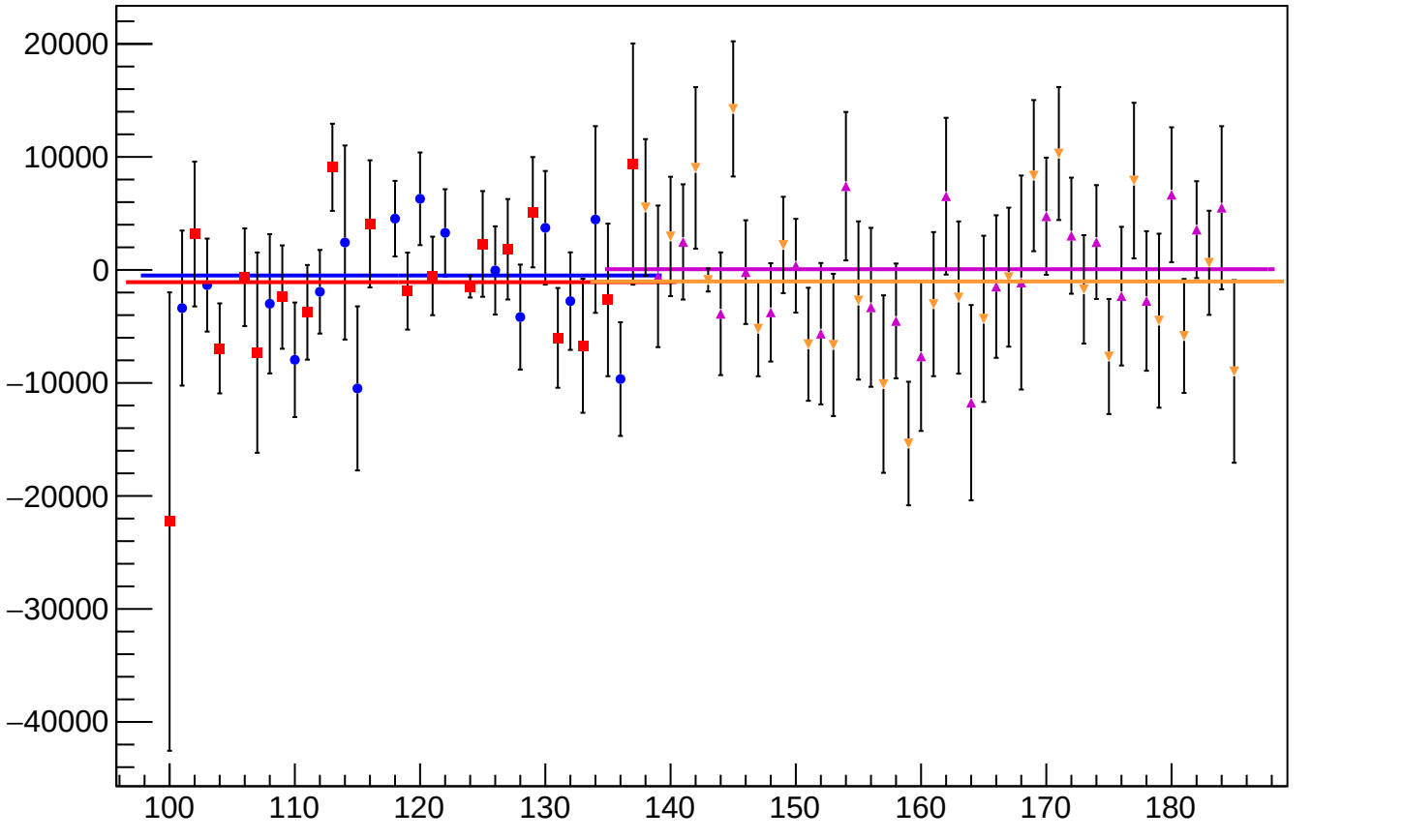
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.758+/-0.253 χ^2/NDF: 1029498.4/40

All: 1819.322+/-0.179 χ^2/NDF: 1428058.8/82

- 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: -1018.712+/-771.798 χ^2/NDF:33.7/24

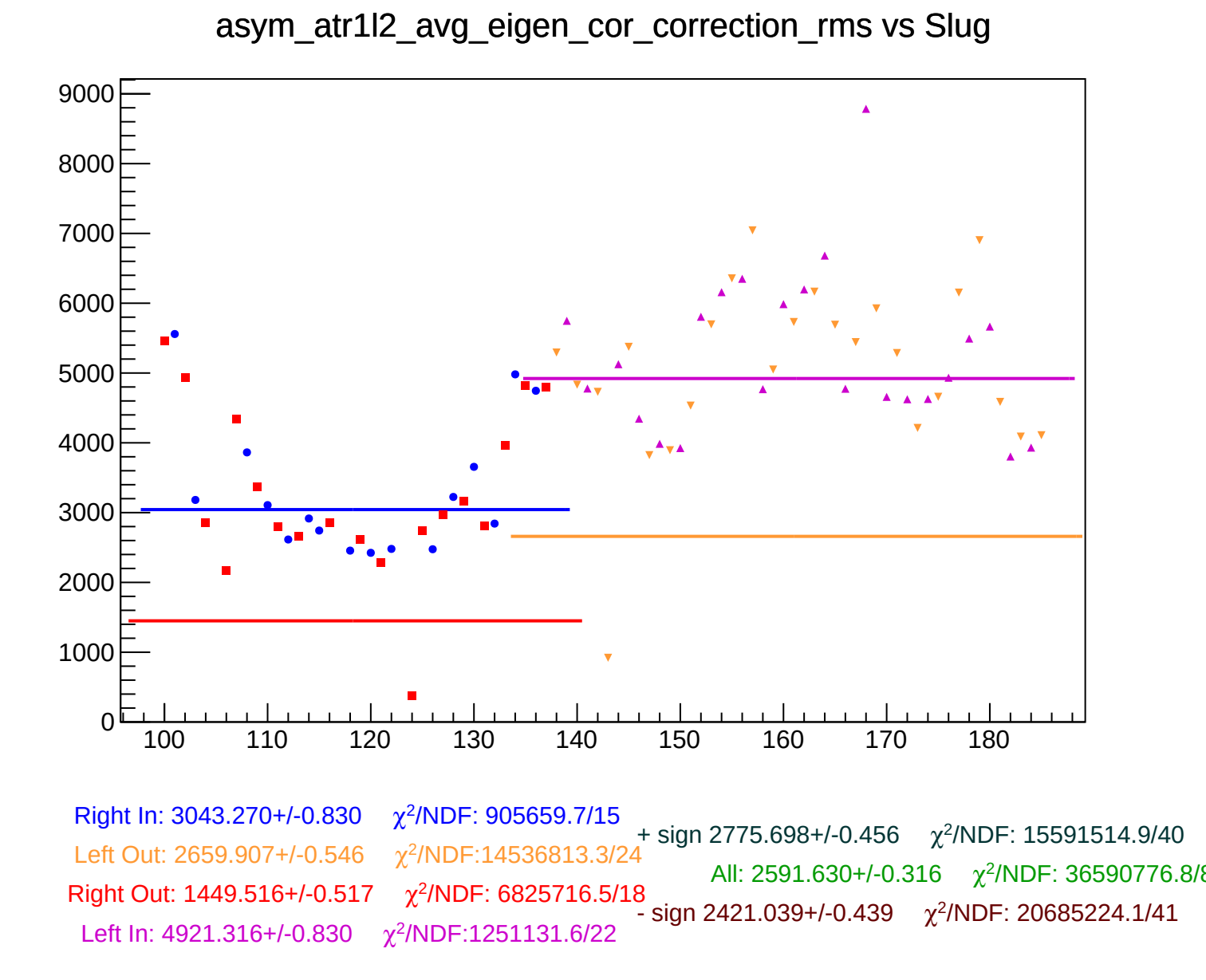
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

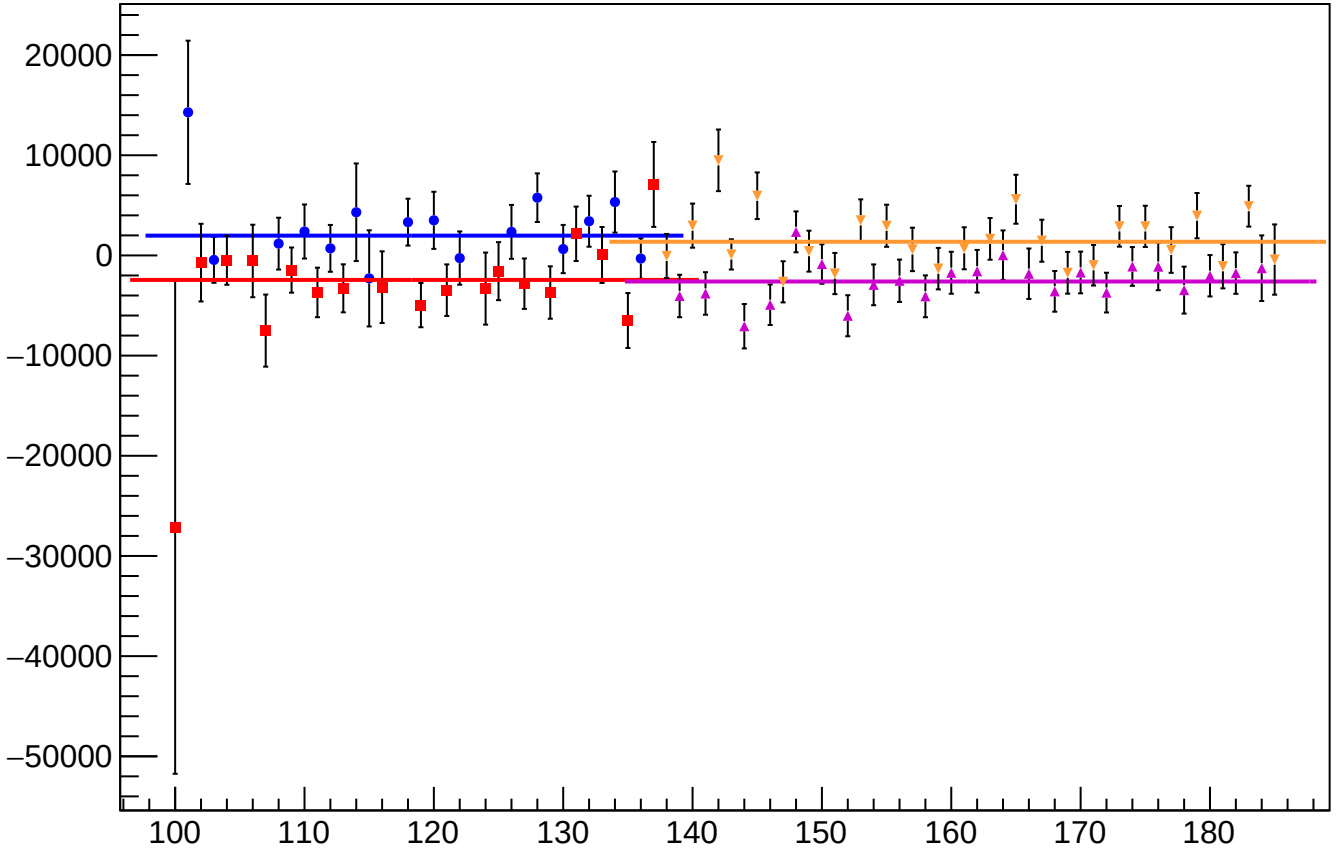
+ sign -859.900+/-644.791 χ^2/NDF: 49.9/40

All: -808.579+/-447.189 χ^2/NDF: 82.0/82

- sign -761.016+/-620.735 χ^2/NDF: 32.2/41


asym_atr1l2_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: 3043.270+/-0.830 χ²/NDF: 905659.7/15
Left Out: 2659.907+/-0.546 χ²/NDF:14536813.3/24
Right Out: 1449.516+/-0.517 χ²/NDF: 6825716.5/18
Left In: 4921.316+/-0.830 χ²/NDF:1251131.6/22
+ sign 2775.698+/-0.456 χ²/NDF: 15591514.9/40
All: 2591.630+/-0.316 χ²/NDF: 36590776.8/8
- sign 2421.039+/-0.439 χ²/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: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

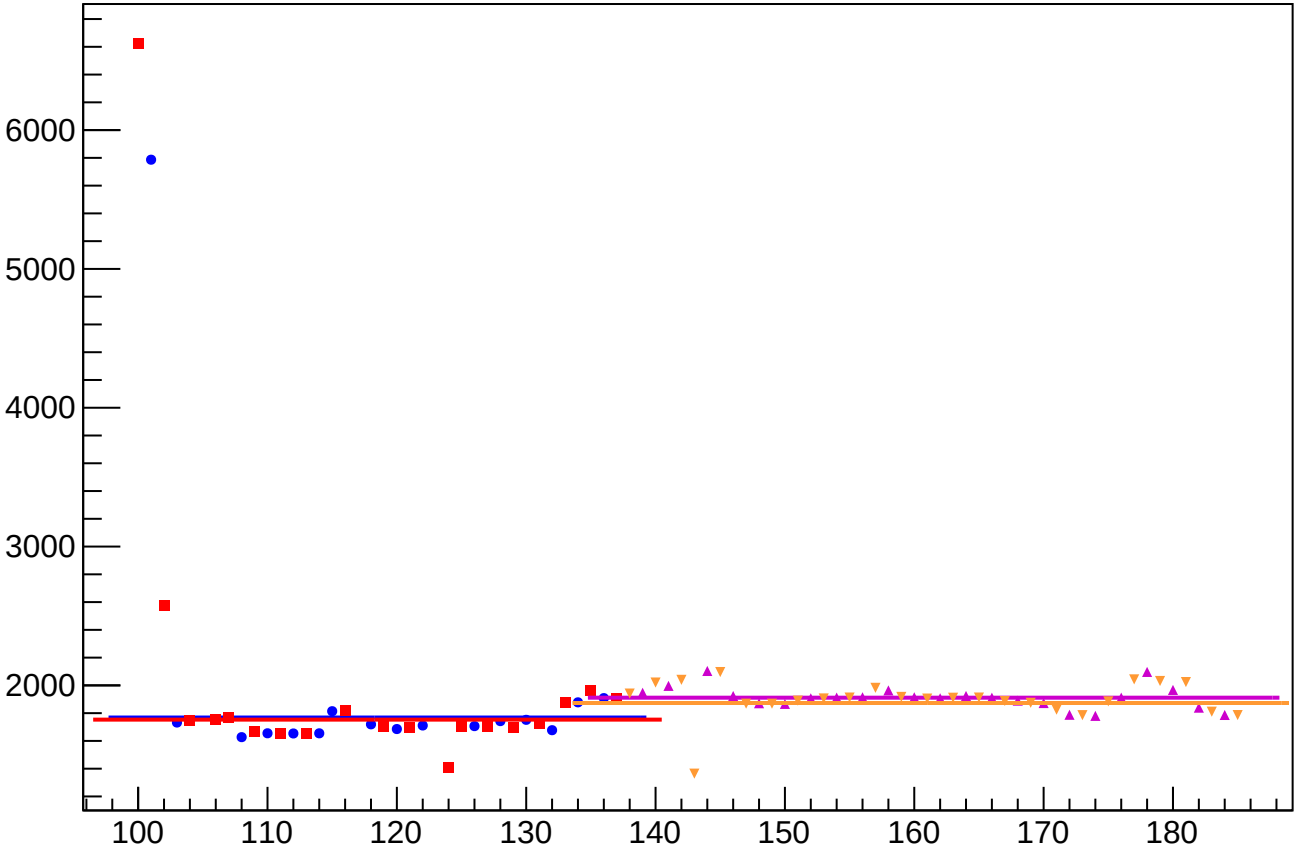
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1539.308+/-360.919 χ^2/NDF: 49.1/40

All: -458.387+/-258.205 χ^2/NDF: 149.4/82

- 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: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

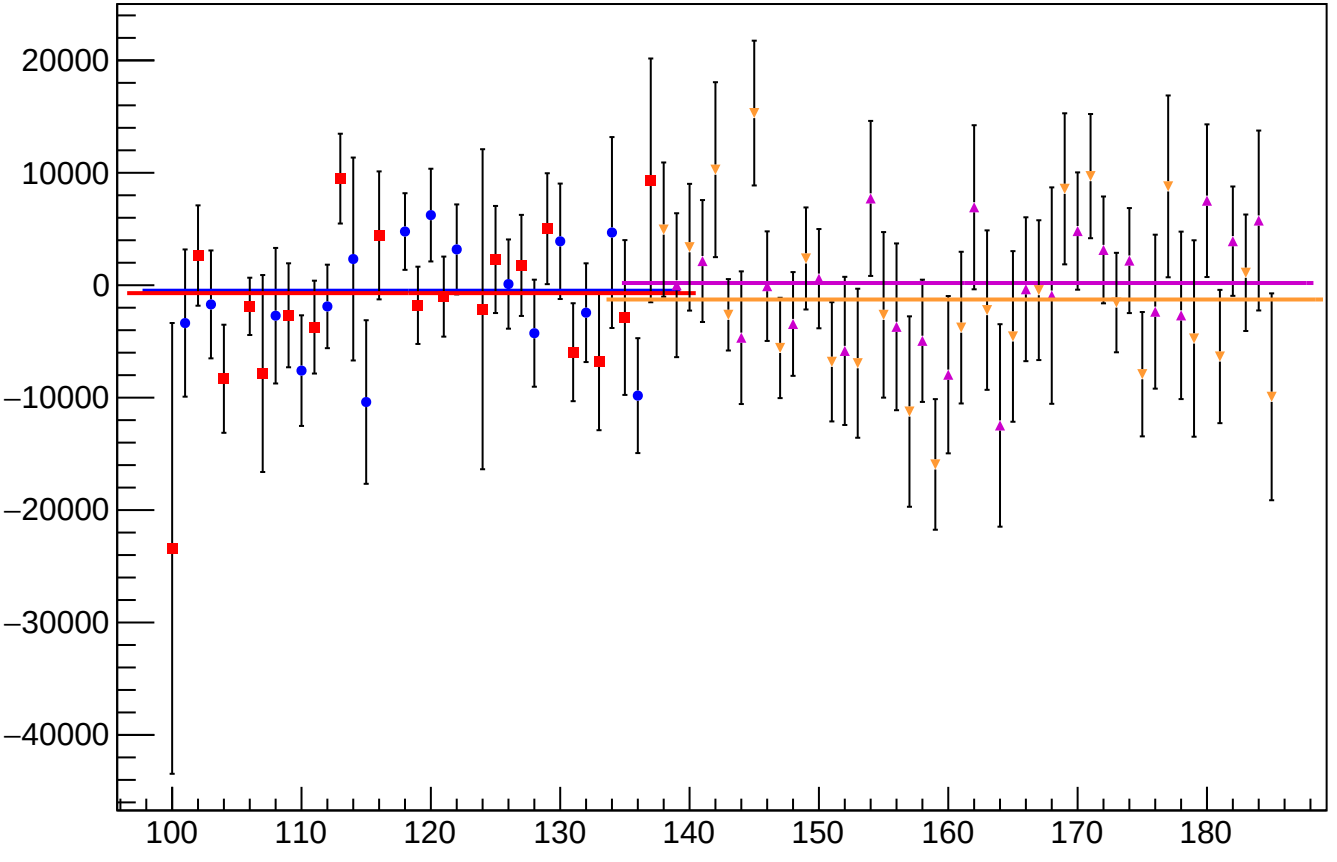
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1843.163+/-0.255 χ^2/NDF: 1011517.0/40

All: 1852.047+/-0.183 χ^2/NDF: 1371314.0/82

- 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: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

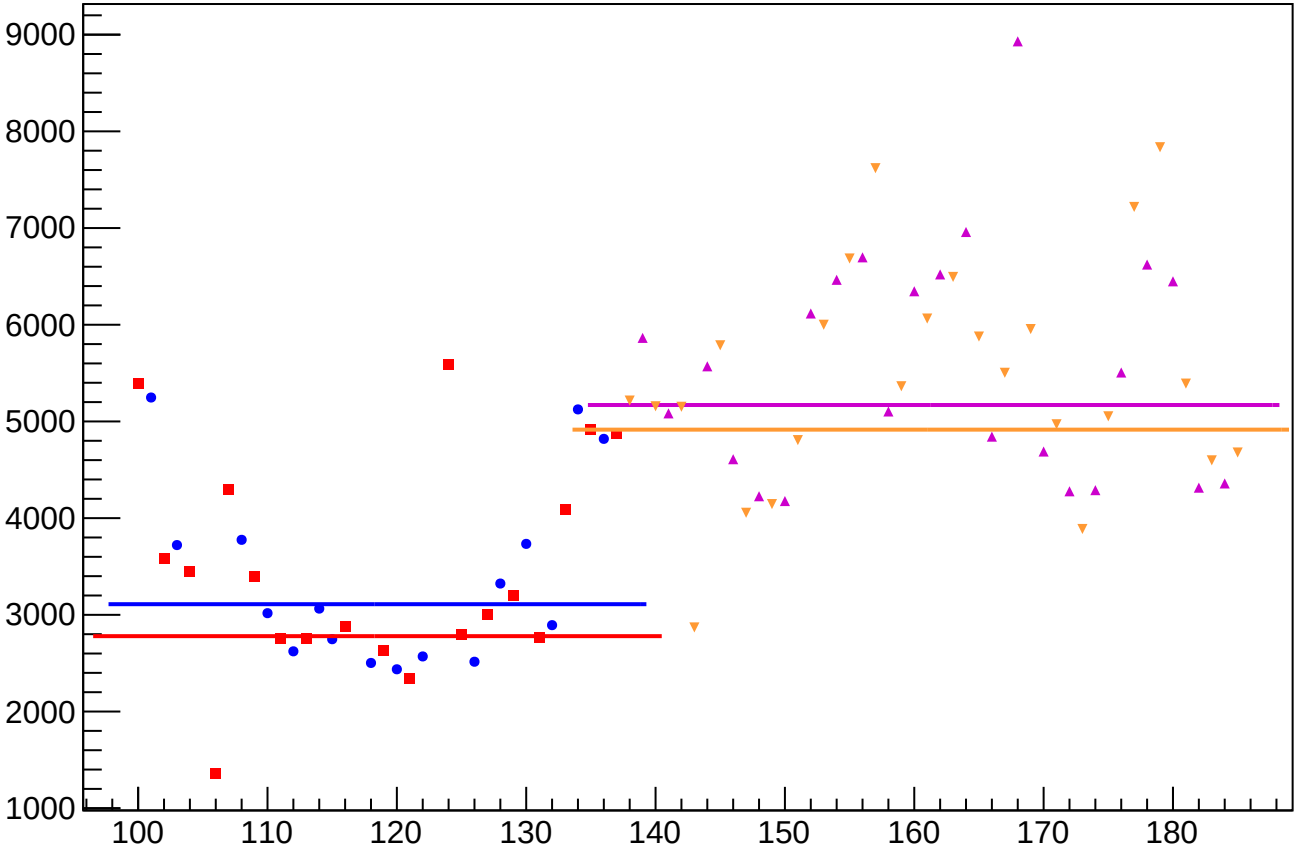
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -892.994+/-832.086 χ^2/NDF: 49.4/40

All: -596.851+/-579.794 χ^2/NDF: 81.5/82

- 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: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

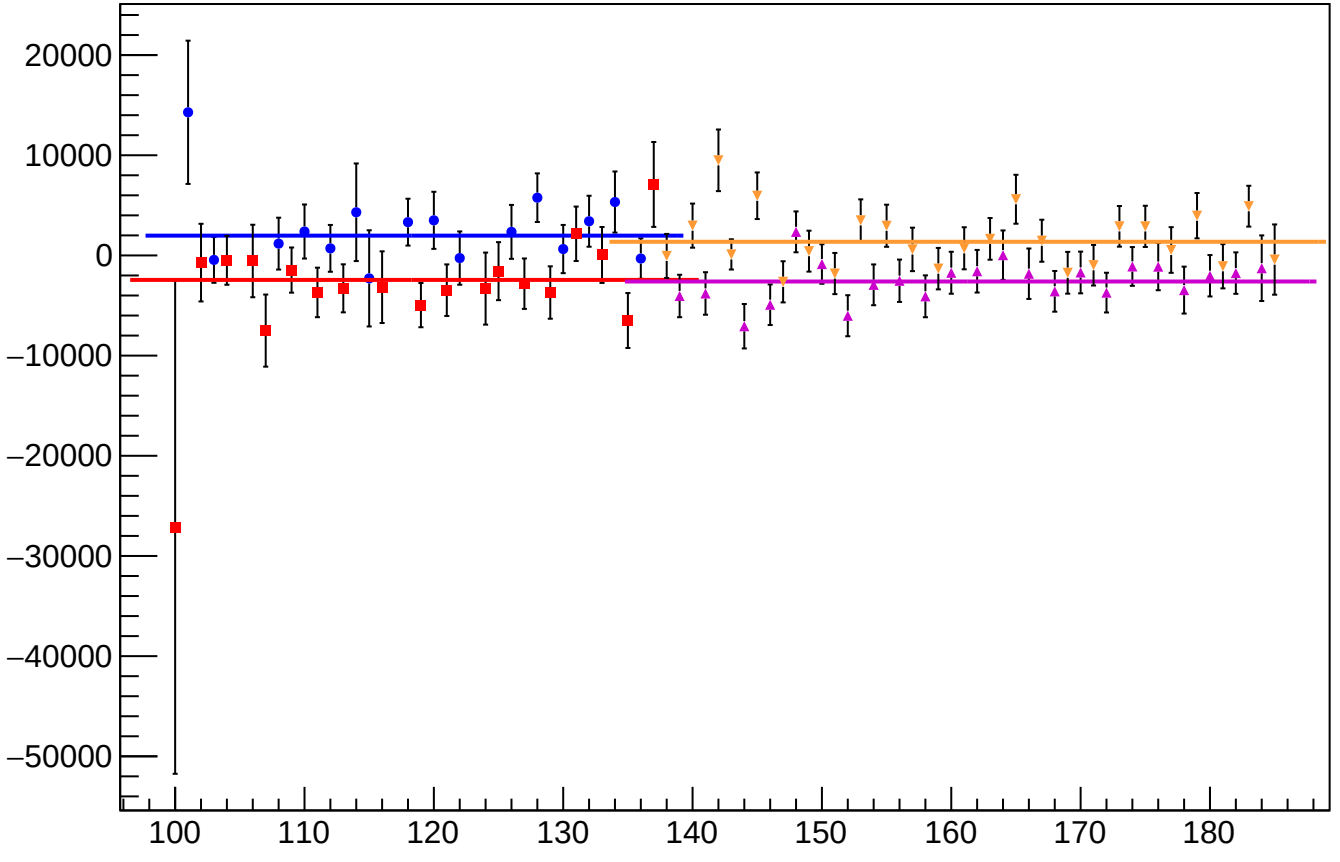
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4045.162+/-0.588 χ^2/NDF: 5399553.9/40

All: 3921.318+/-0.410 χ^2/NDF: 12466130.8/8

- 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: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

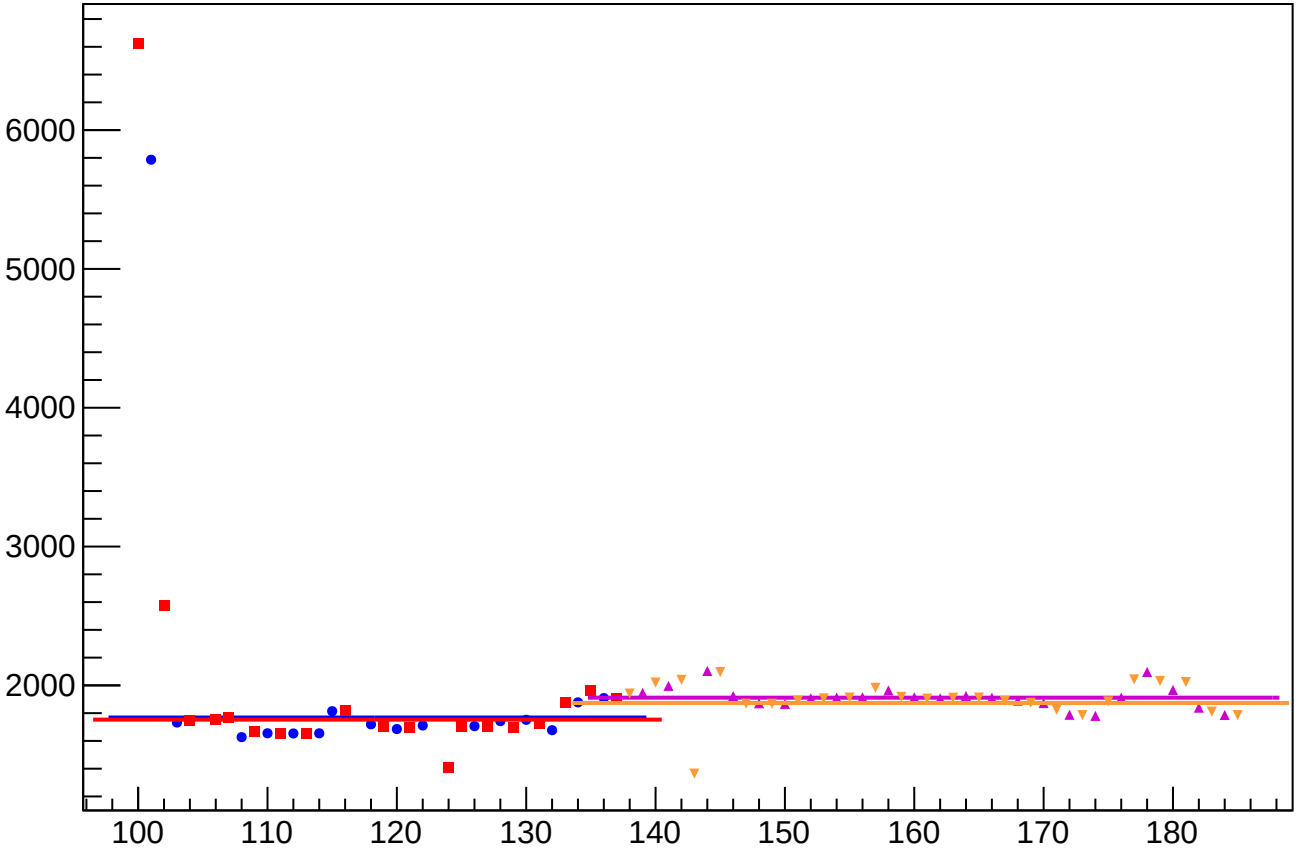
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1539.306+/-360.919 χ^2/NDF: 49.1/40

All: -458.388+/-258.205 χ^2/NDF: 149.4/82

- 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: 1873.178+/-0.302 χ^2/NDF:309737.2/24

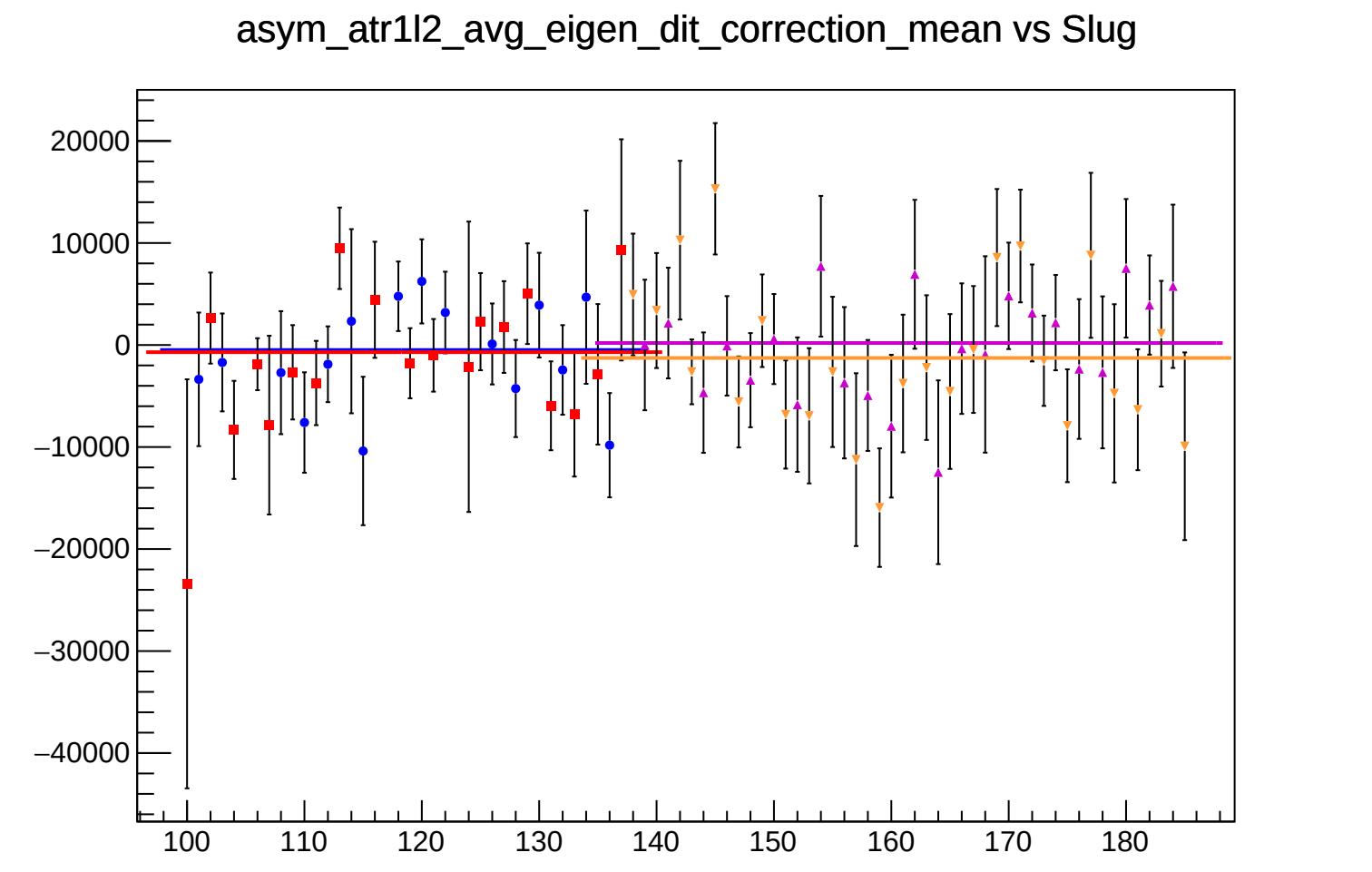
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1843.164+/-0.255 χ^2/NDF: 1011521.2/40

All: 1852.047+/-0.183 χ^2/NDF: 1371321.6/82

- 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: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

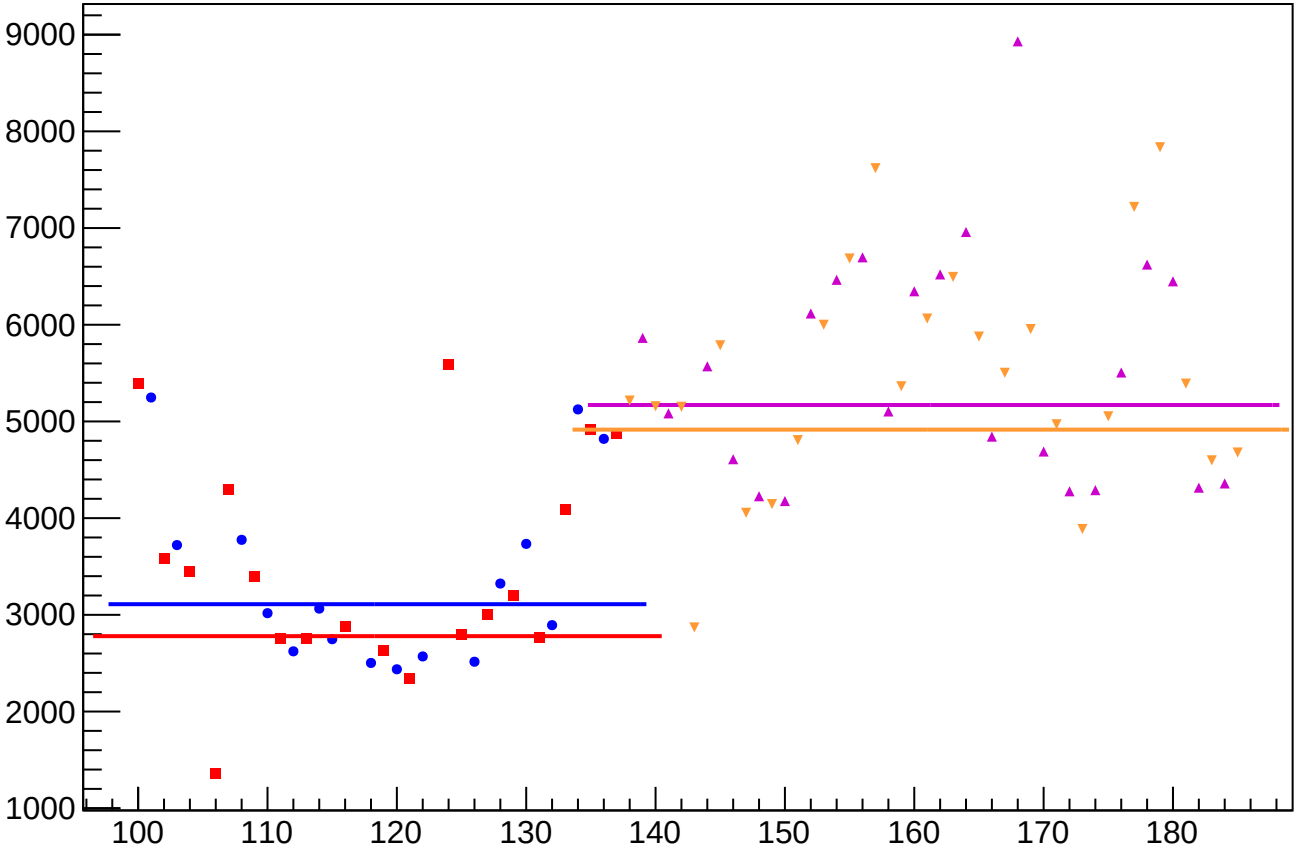
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -892.992+/-832.085 χ^2/NDF: 49.4/40

All: -596.851+/-579.793 χ^2/NDF: 81.5/82

- 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: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

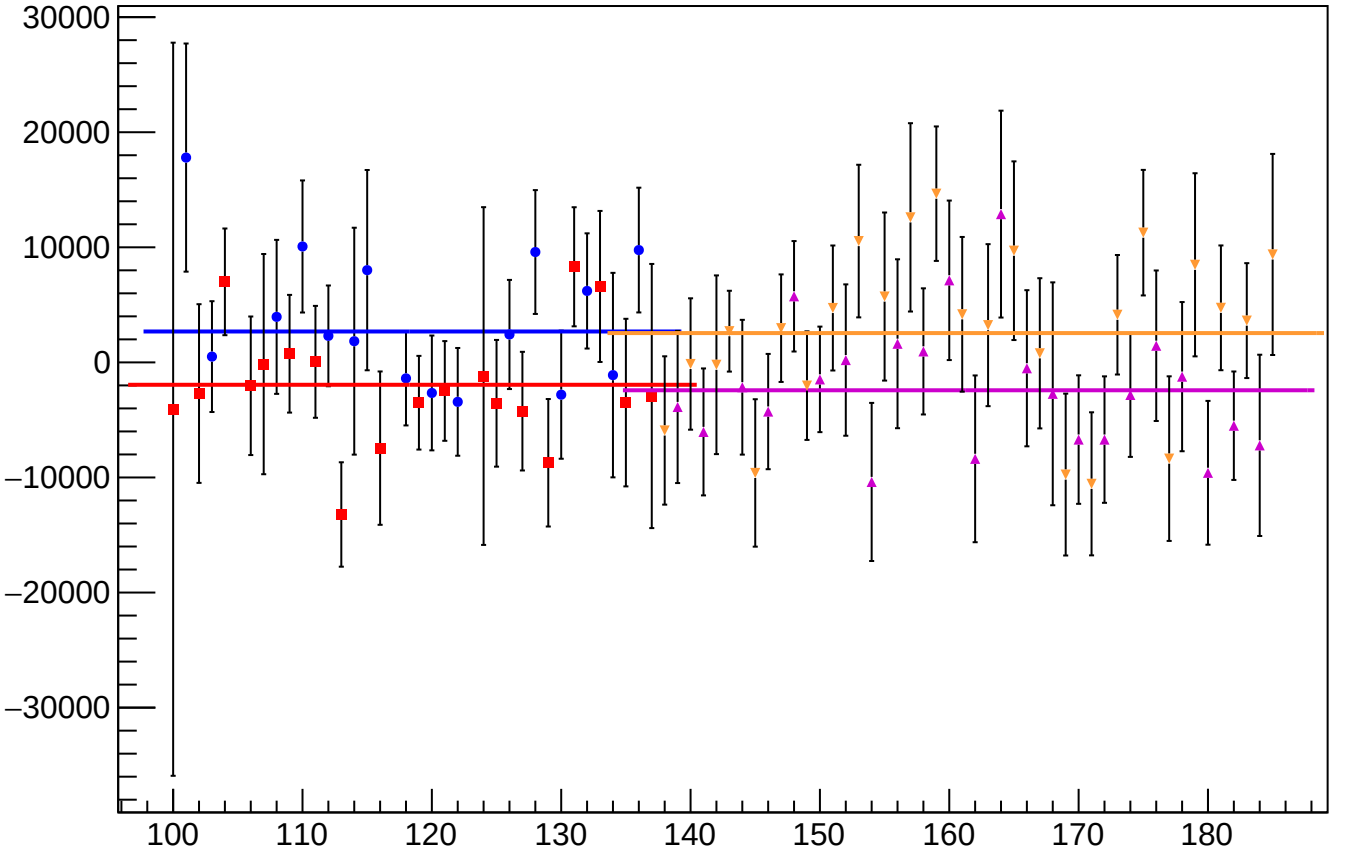
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4045.156+/-0.588 χ^2/NDF: 5399621.5/40

All: 3921.310+/-0.410 χ^2/NDF: 12466303.1/8

- 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: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

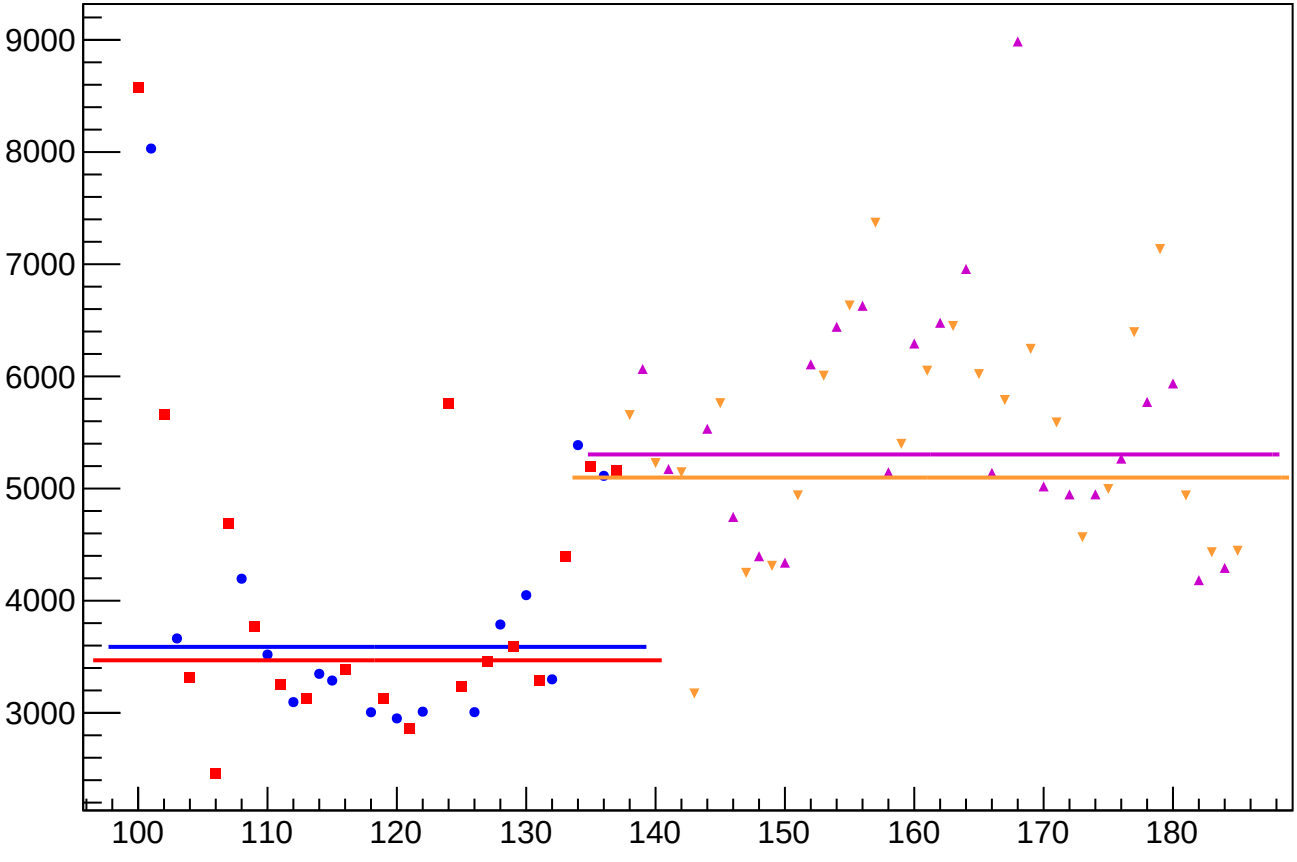
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2605.943+/-900.167 χ^2/NDF: 42.5/40

All: 244.712+/-641.879 χ^2/NDF: 90.3/82

- 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: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

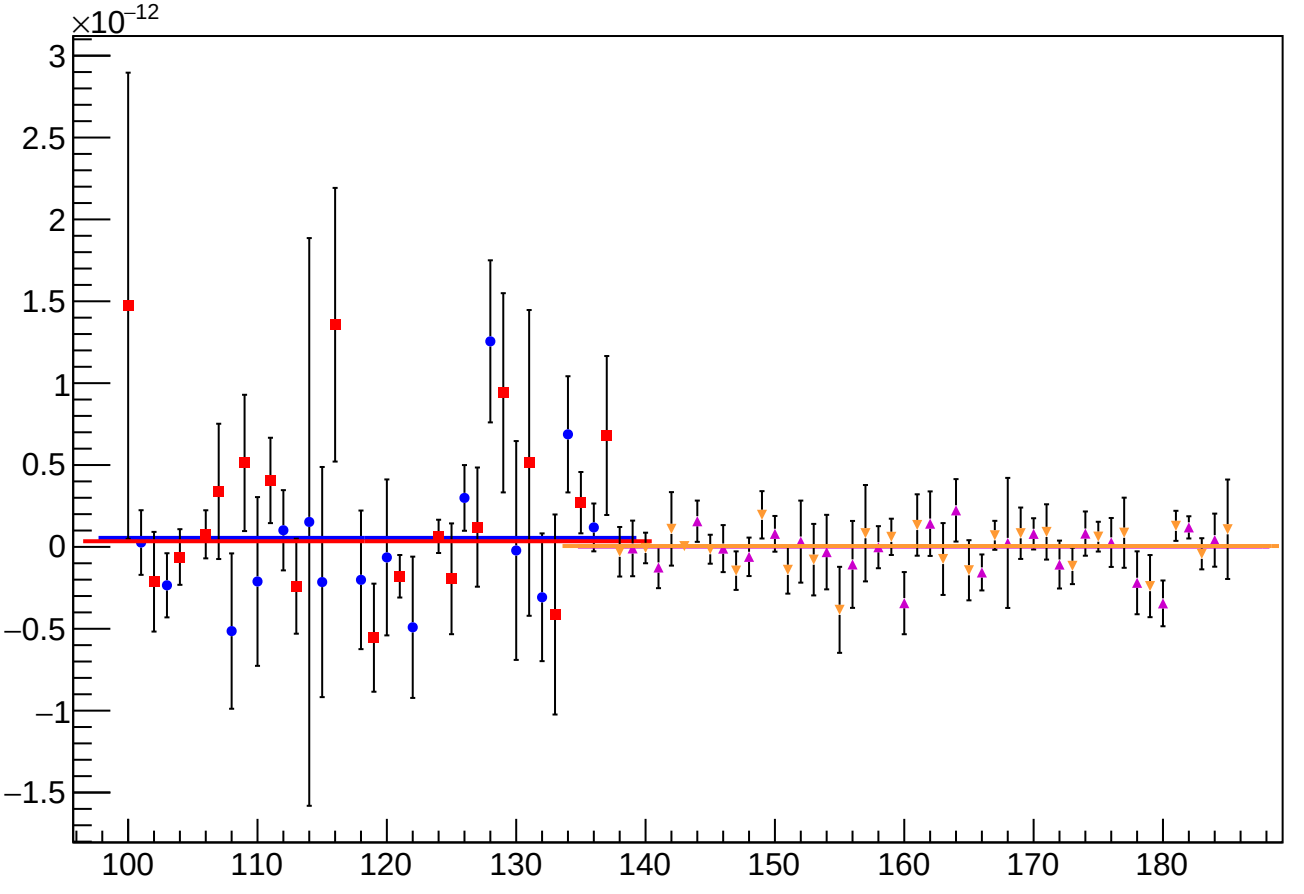
Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4455.605+/-0.637 χ^2/NDF: 3764565.6/40

All: 4440.086+/-0.452 χ^2/NDF: 7486059.8/82

- 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:15.2/24

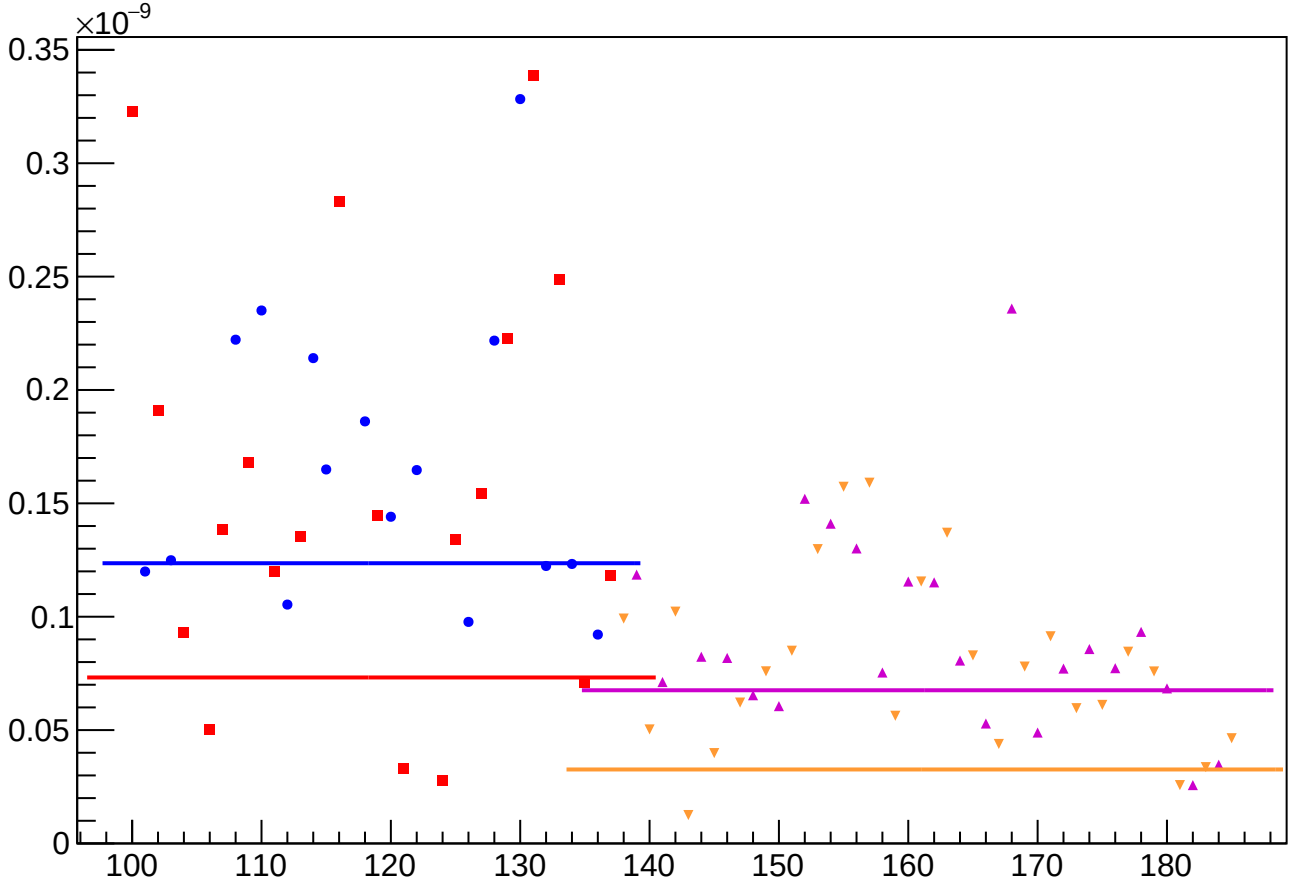
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/40

All: 0.000+/-0.000 χ^2/NDF: 78.9/82

- sign 0.000+/-0.000 χ^2/NDF: 45.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

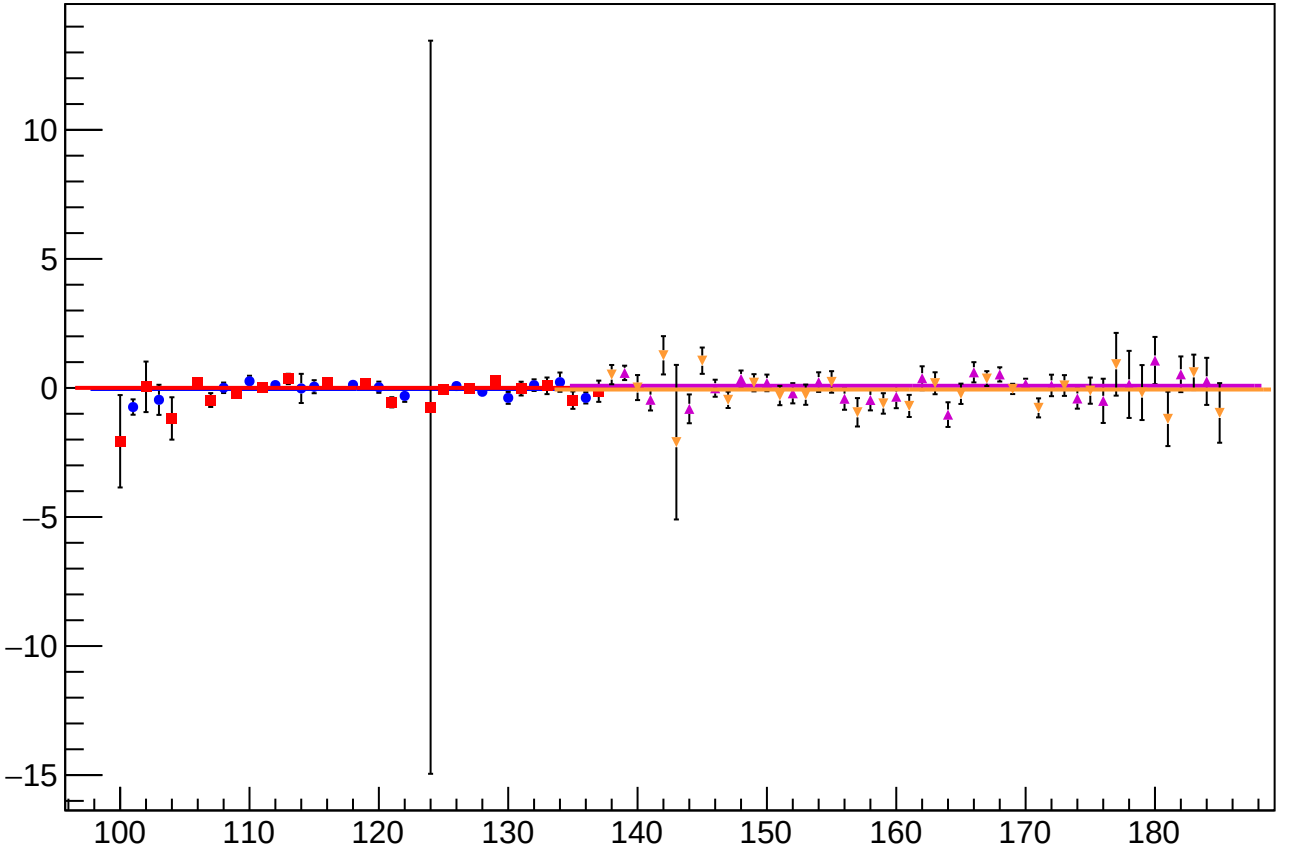
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9718066.8/40

All: 0.000+/-0.000 χ^2/NDF: 16536169.9/82

- sign 0.000+/-0.000 χ^2/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: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

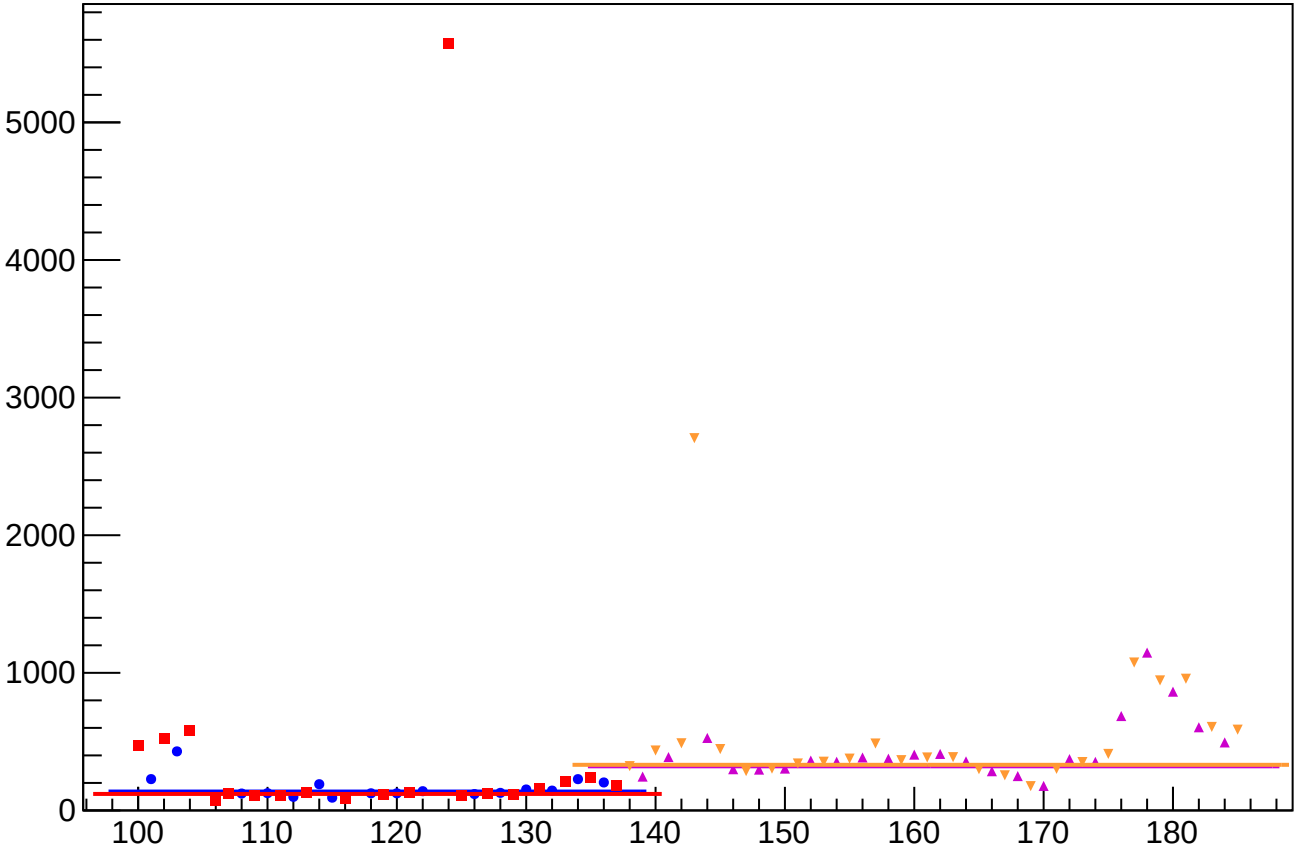
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.046 χ^2/NDF: 48.8/40

All: -0.008+/-0.032 χ^2/NDF: 106.5/82

- 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: 331.651+/-0.059 χ^2/NDF:5838206.4/24

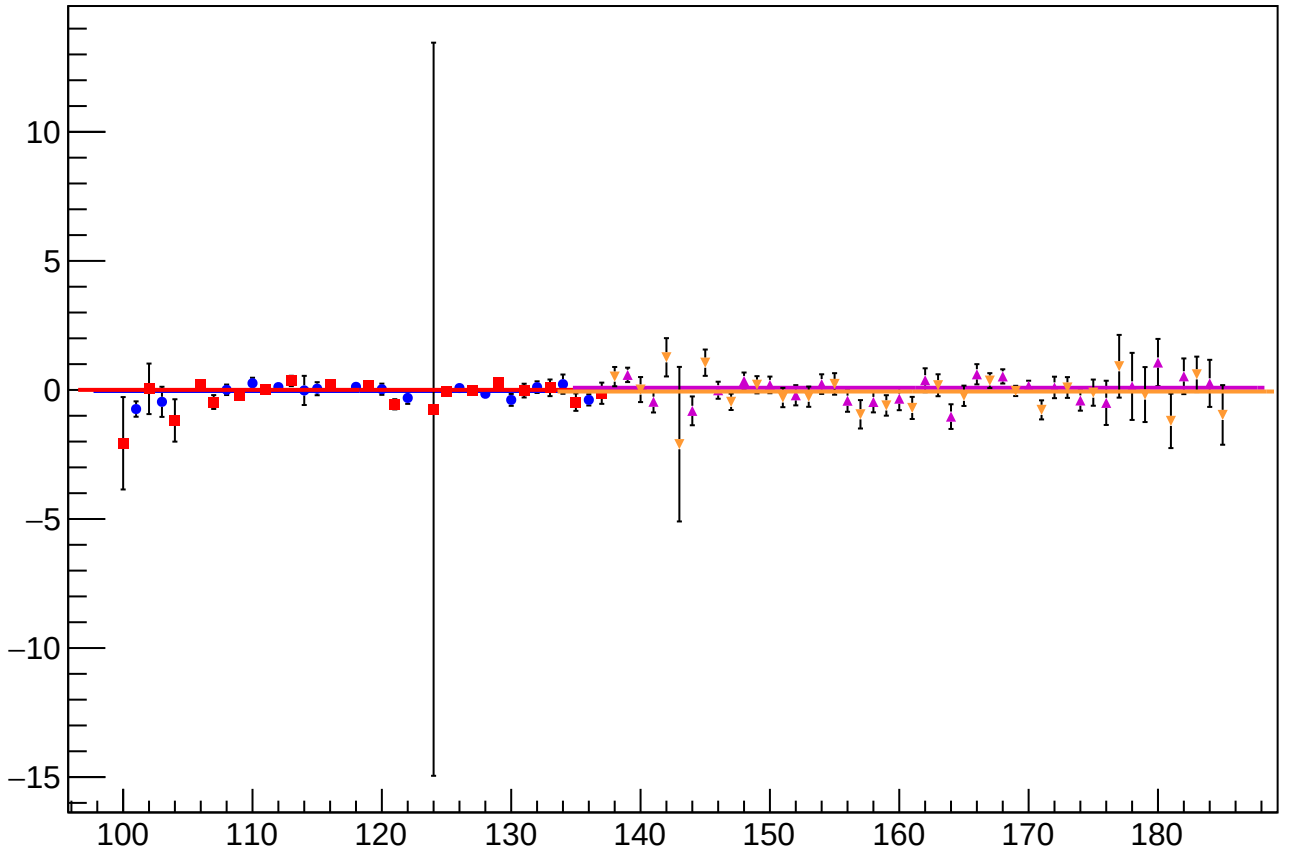
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.207+/-0.033 χ^2/NDF: 14563397.0/40

All: 186.214+/-0.022 χ^2/NDF: 29941171.1/82

- sign 176.729+/-0.031 χ^2/NDF: 15168999.1/41



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

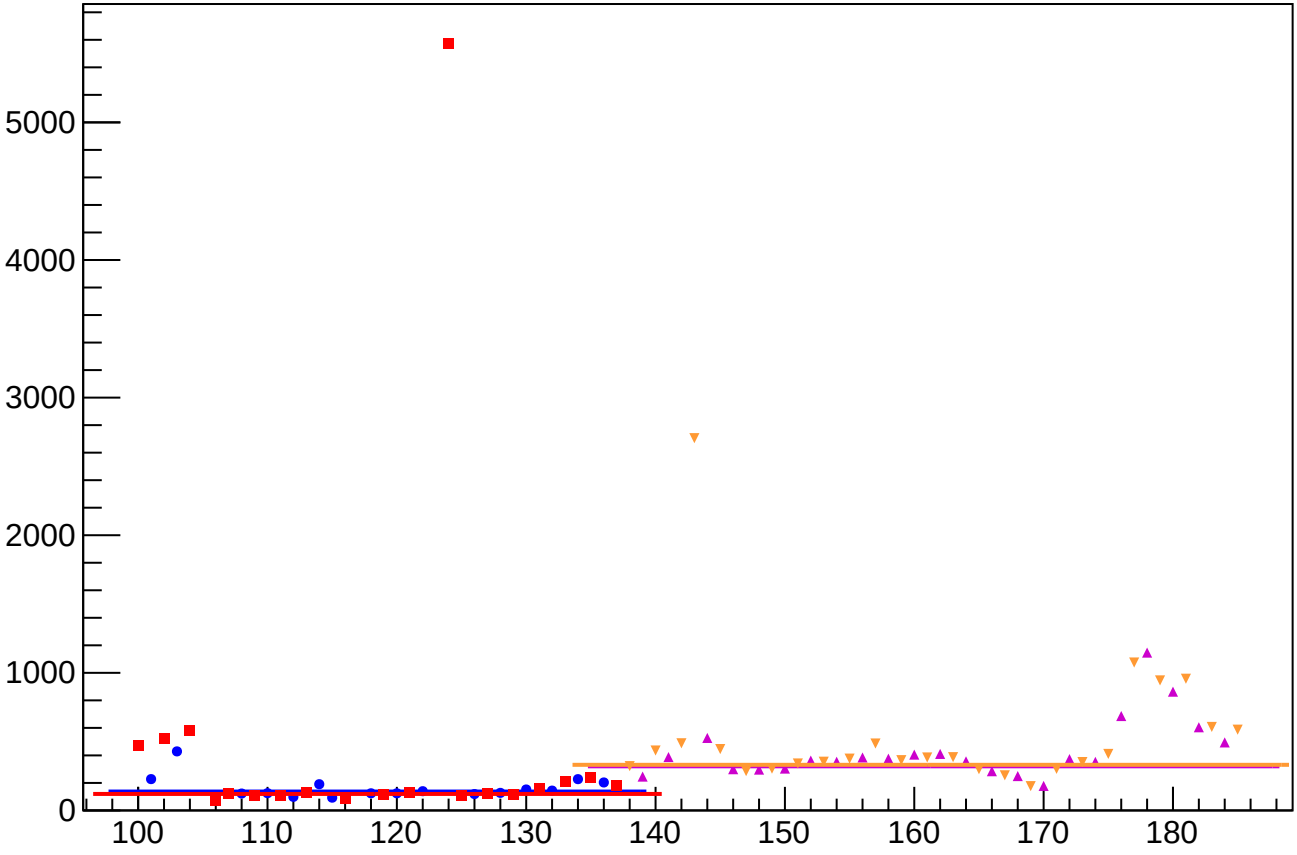
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.046 χ^2/NDF: 48.8/40

All: -0.008+/-0.032 χ^2/NDF: 106.5/82

- sign 0.026+/-0.043 χ^2/NDF: 56.4/41

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

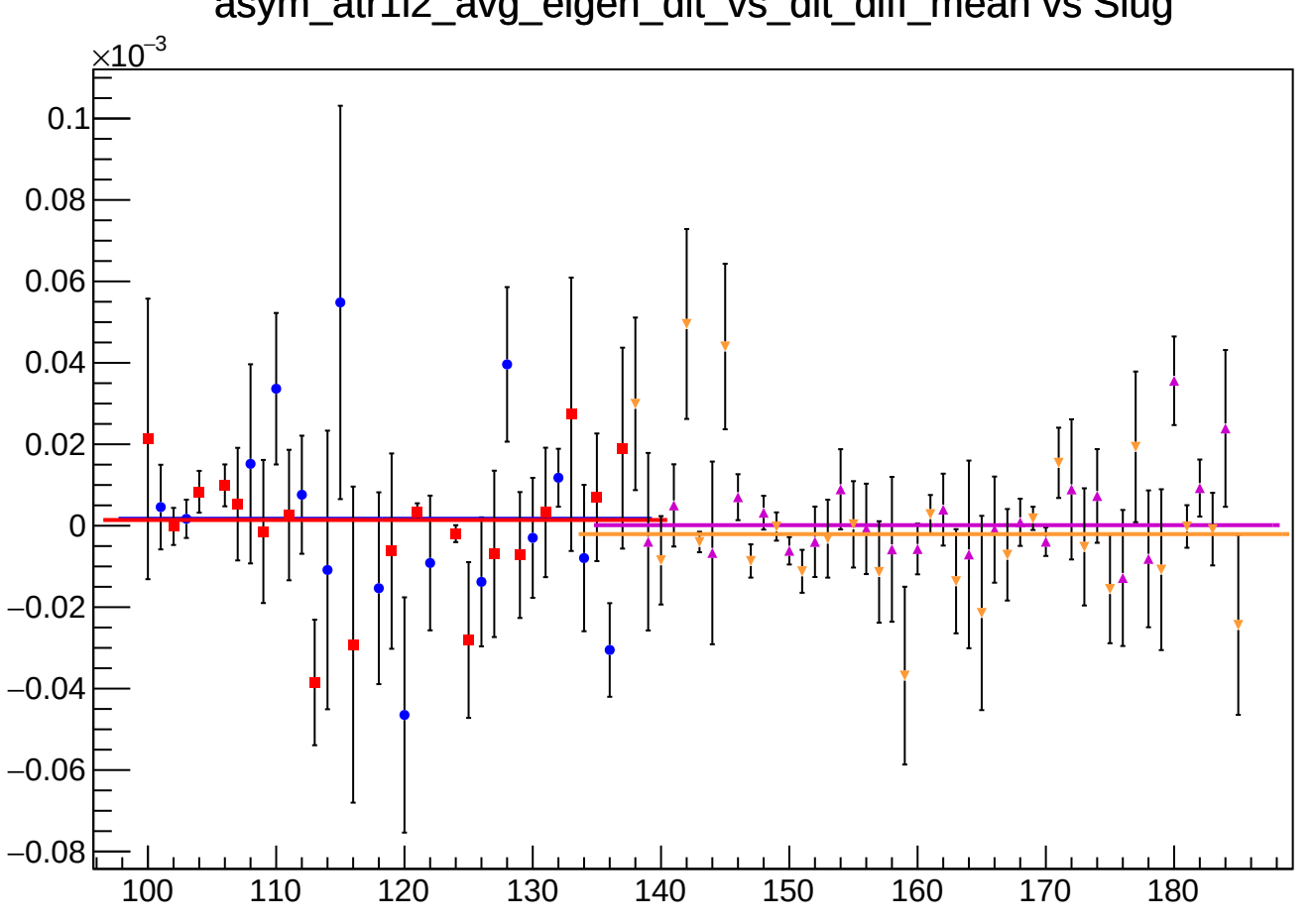
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.207+/-0.033 χ^2/NDF: 14563397.0/40

All: 186.214+/-0.022 χ^2/NDF: 29941171.1/82

- 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:34.8/24

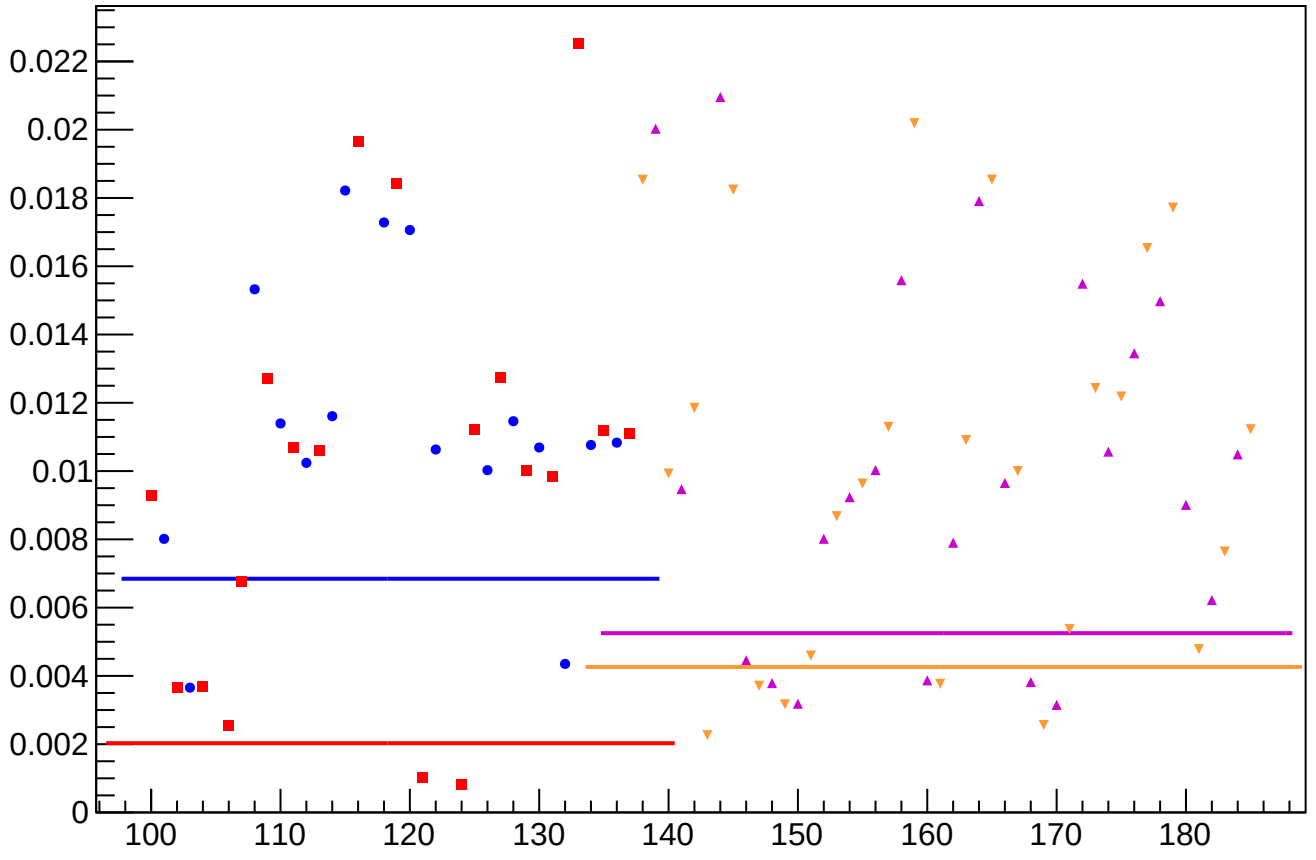
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.0/40

All: -0.000+/-0.000 χ^2/NDF: 108.0/82

- sign 0.000+/-0.000 χ^2/NDF: 45.6/41



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

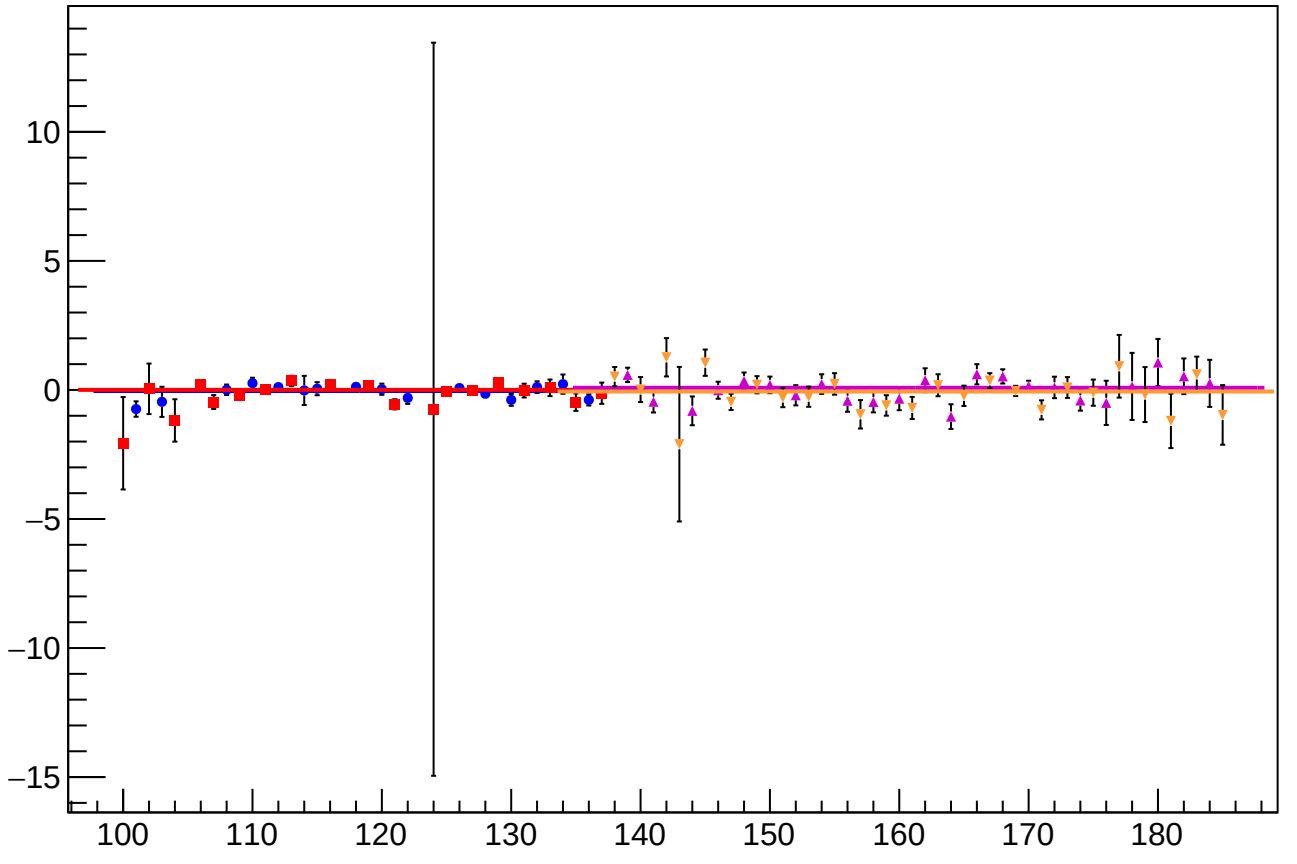
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 17488202.4/40

All: 0.004+/-0.000 χ^2/NDF: 42897444.4/82

- sign 0.003+/-0.000 χ^2/NDF: 23887113.9/41



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

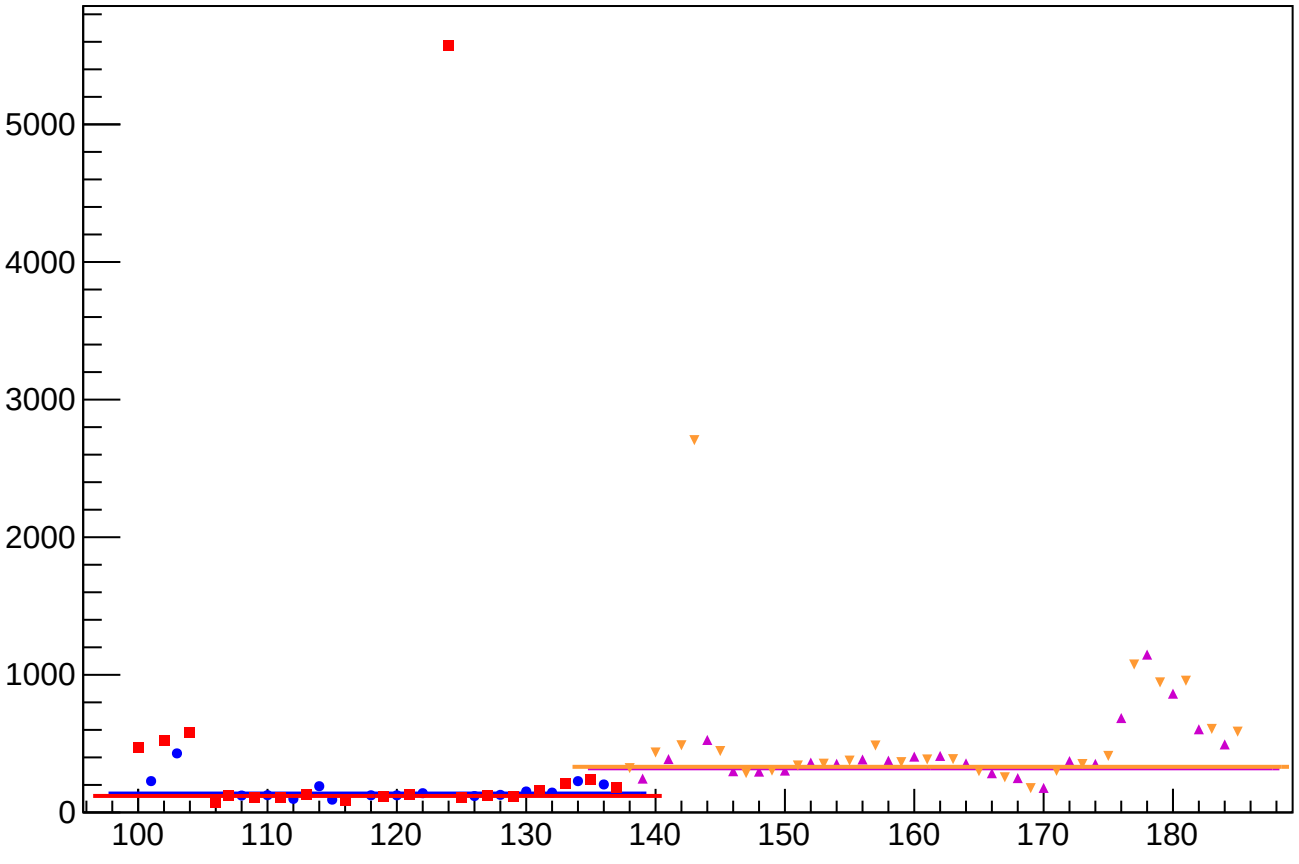
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.046 χ^2/NDF: 48.8/40

All: -0.008+/-0.032 χ^2/NDF: 106.5/82

- 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: 331.653+/-0.059 χ^2/NDF:5838264.0/24

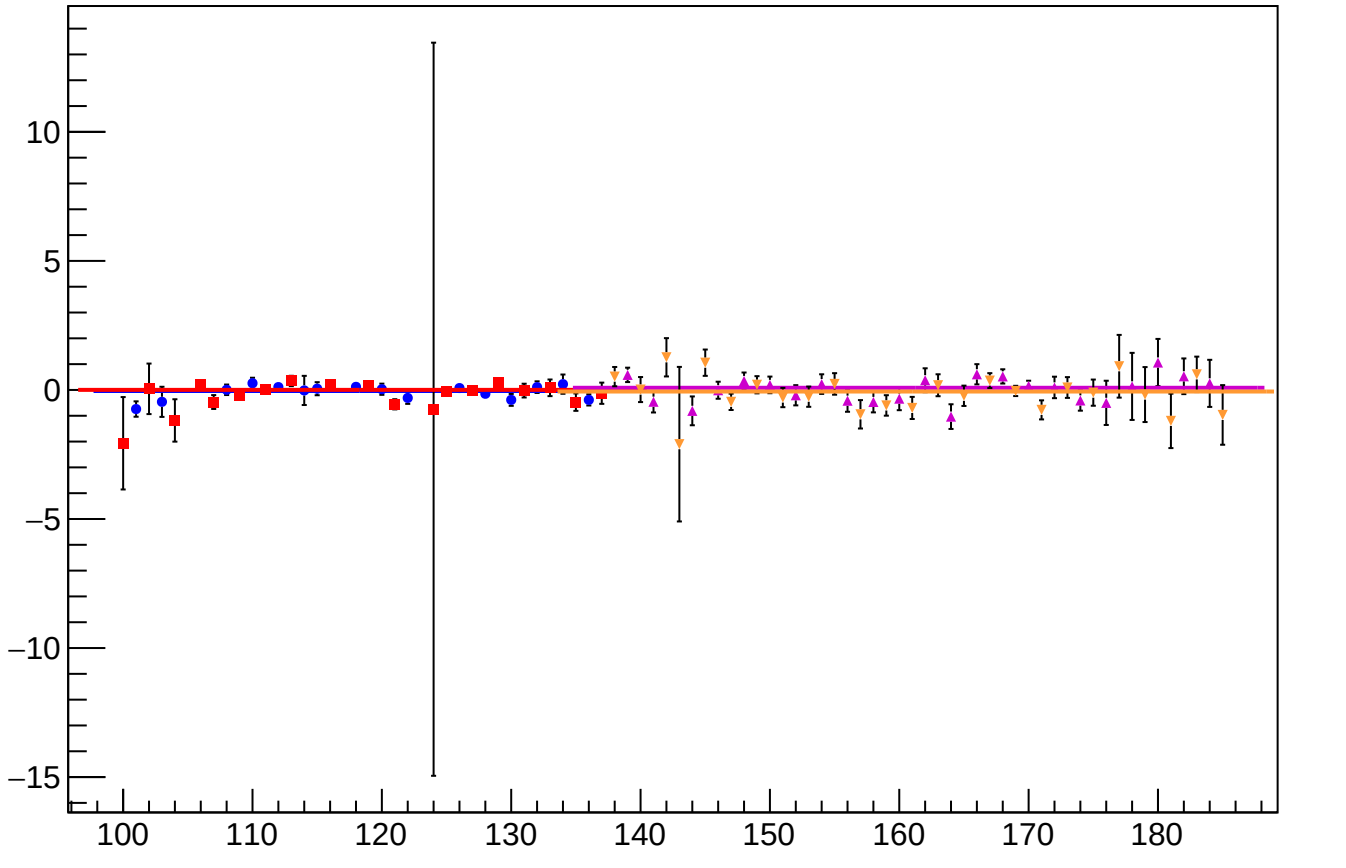
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.208+/-0.033 χ^2/NDF: 14563381.7/40

All: 186.214+/-0.022 χ^2/NDF: 29941244.7/82

- 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: -0.061+/-0.084 χ^2/NDF:30.8/24

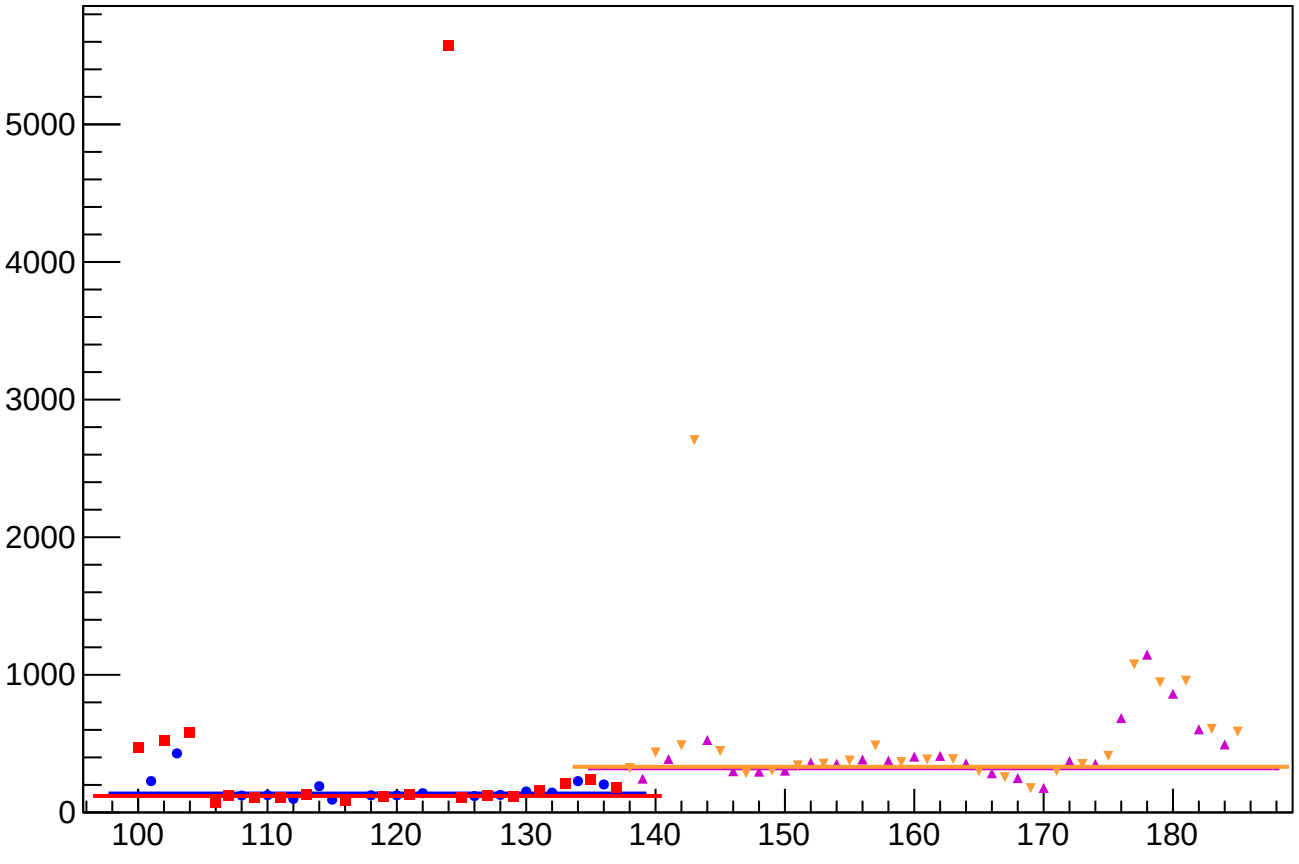
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.046+/-0.046 χ^2/NDF: 48.8/40

All: -0.008+/-0.032 χ^2/NDF: 106.5/82

- 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: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

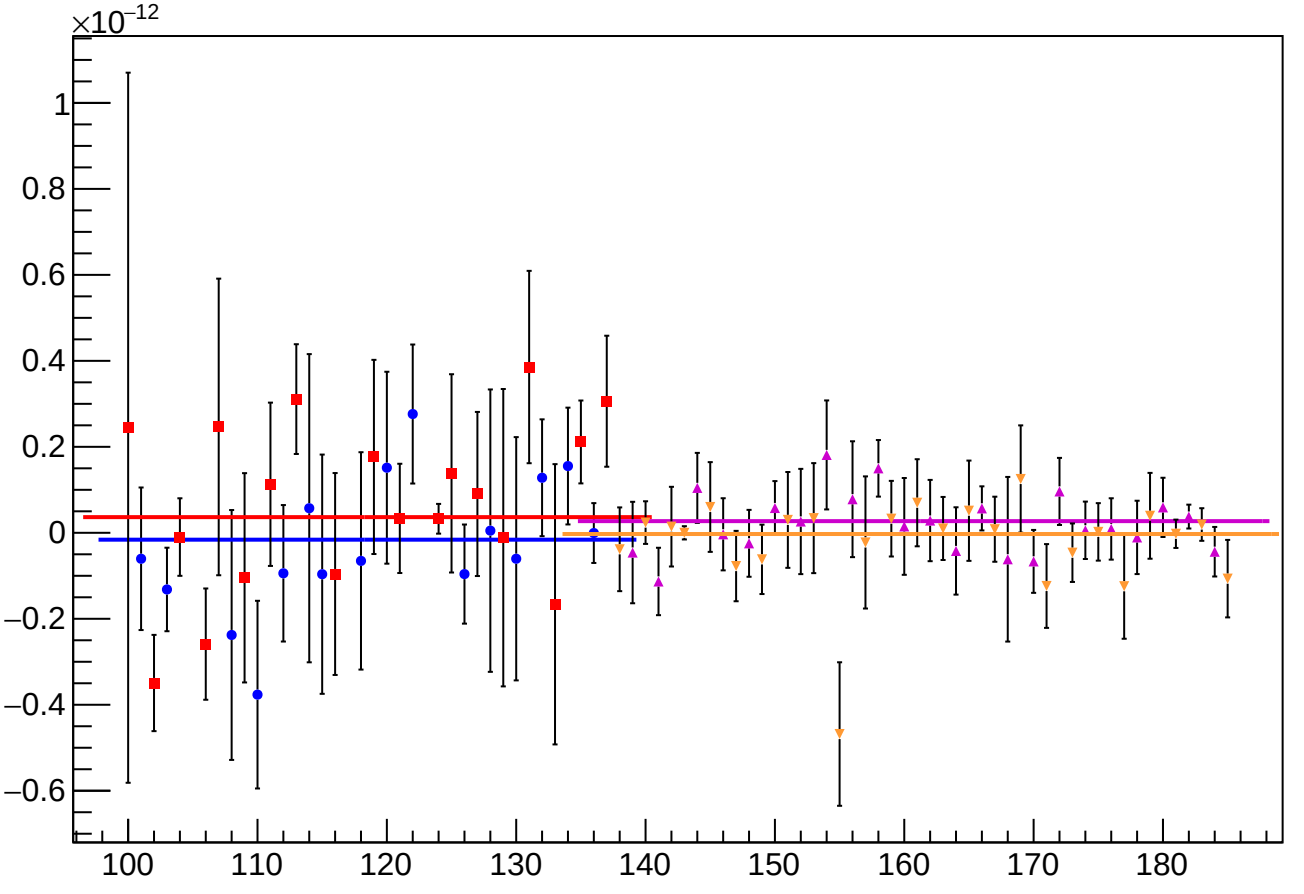
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.208+/-0.033 χ^2/NDF: 14563381.7/40

All: 186.214+/-0.022 χ^2/NDF: 29941244.7/82

- sign 176.729+/-0.031 χ^2/NDF: 15169065.7/41

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

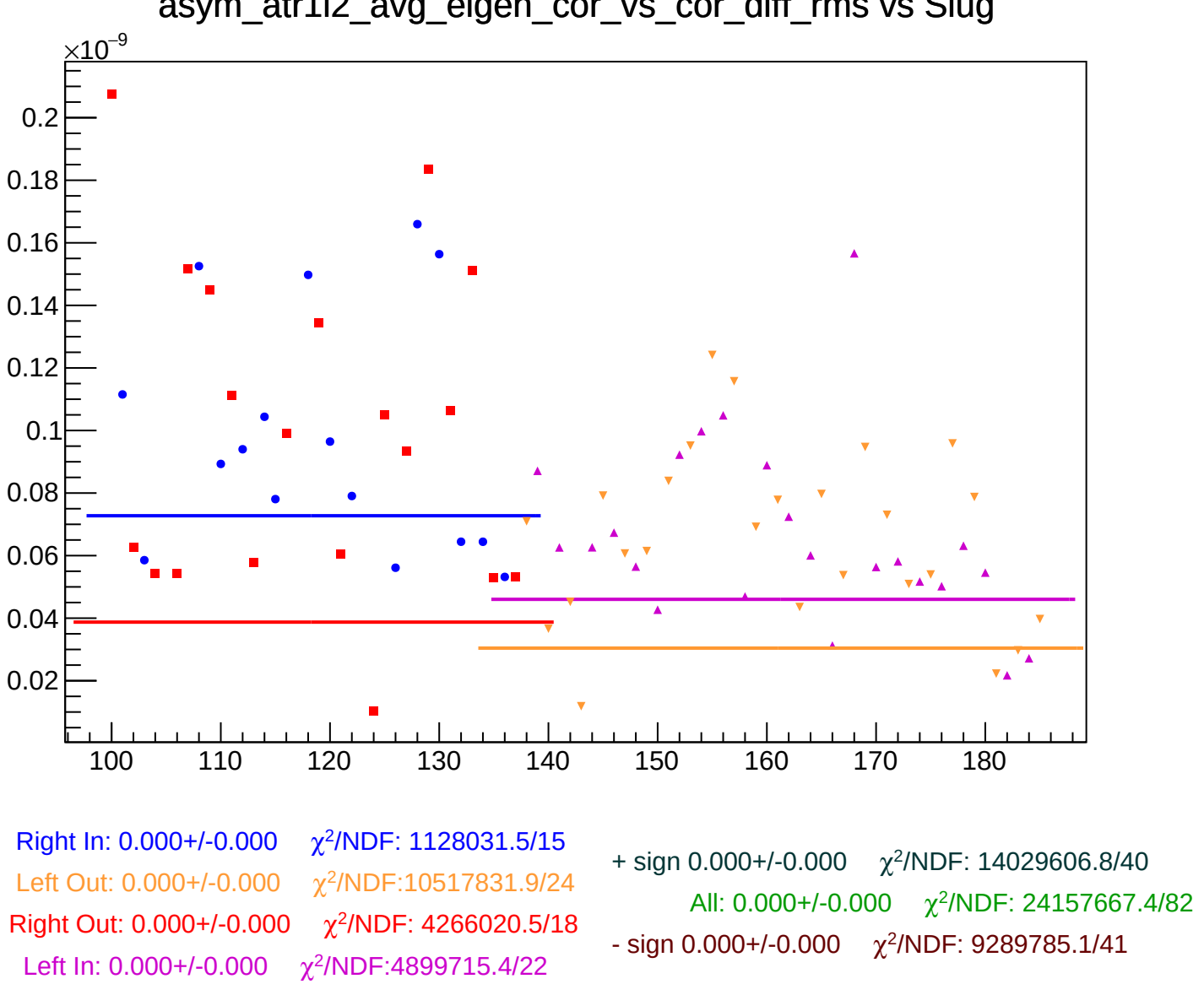
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

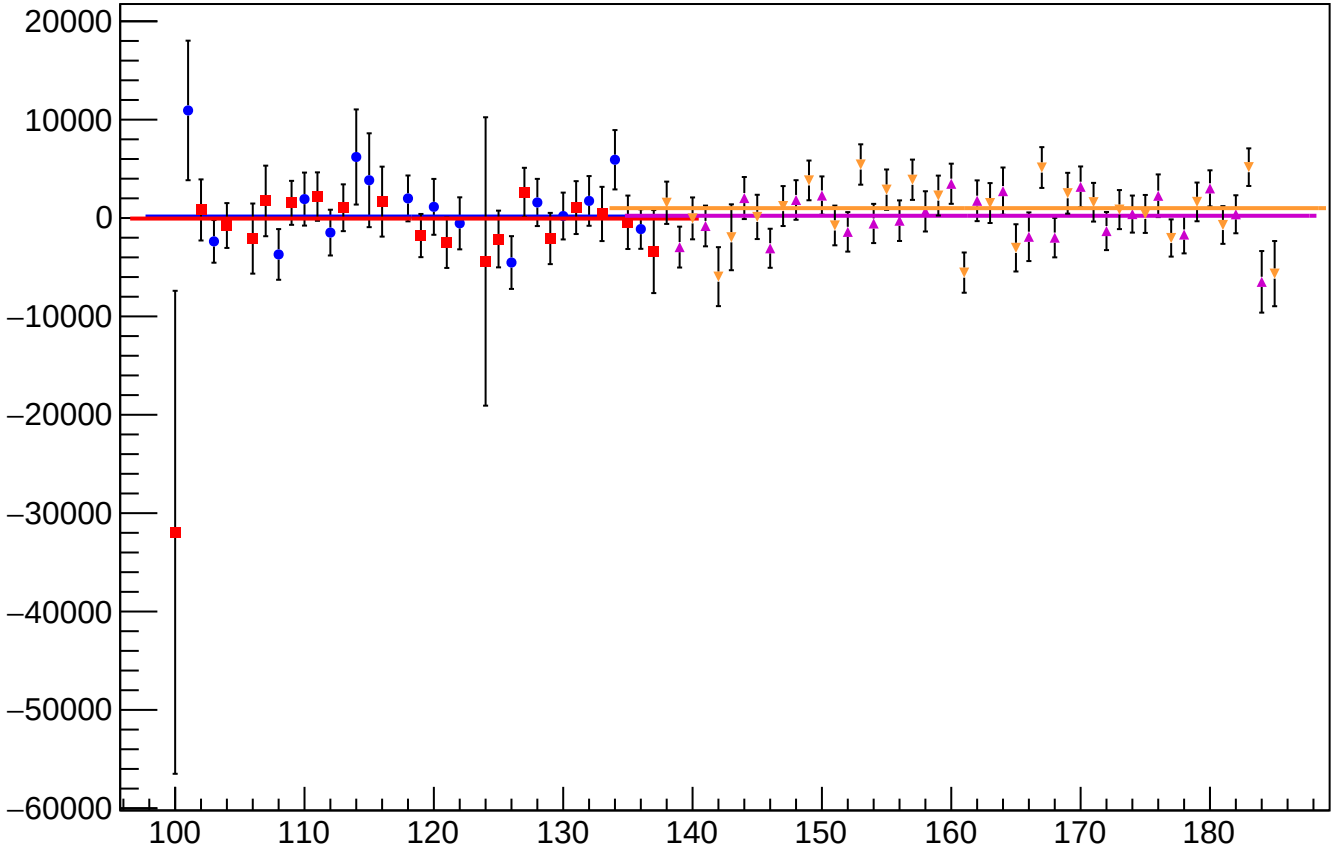
+ sign -0.000+/-0.000 χ^2/NDF: 29.4/40

All: 0.000+/-0.000 χ^2/NDF: 82.9/82

- 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:10517831.9/24
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: 14029606.8/40
All: 0.000+/-0.000 χ²/NDF: 24157667.4/82
- 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: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

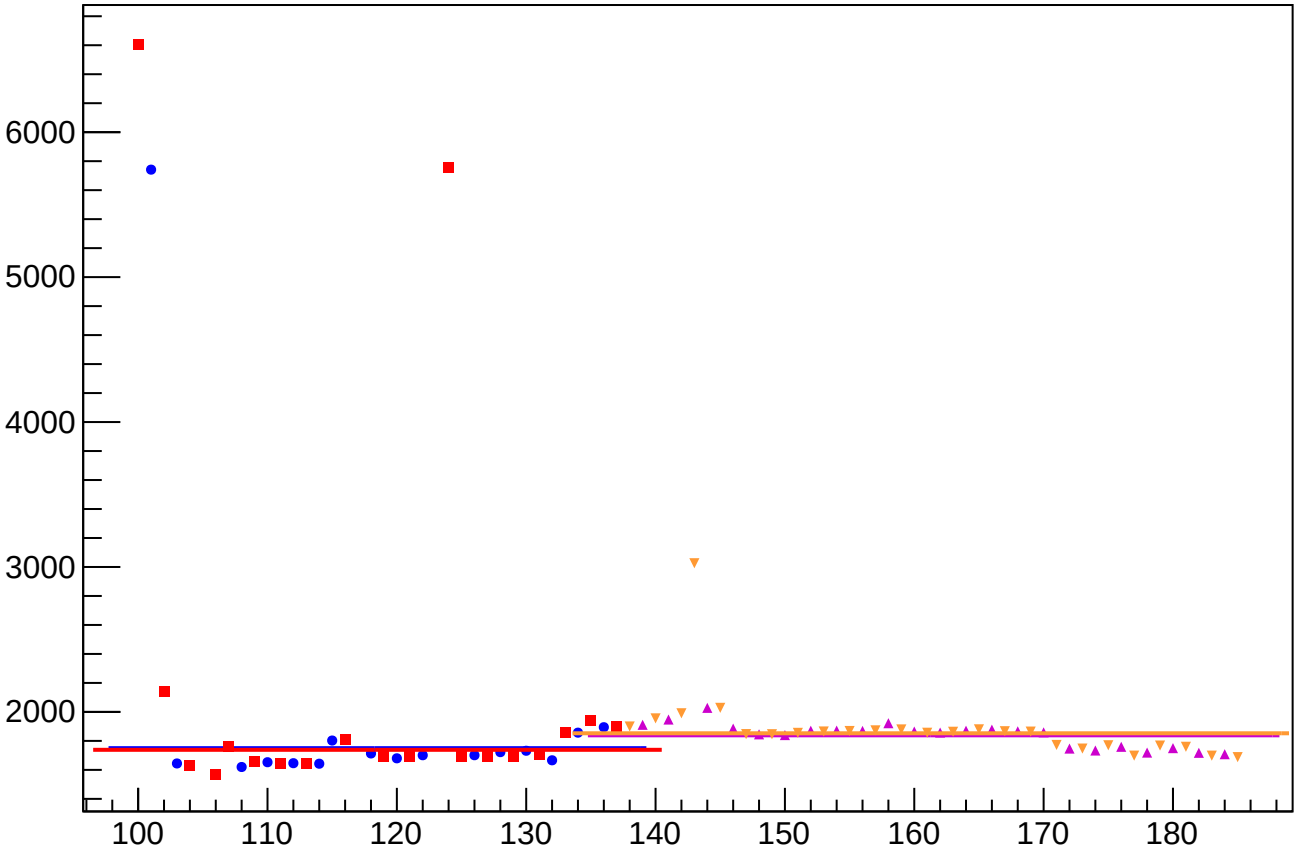
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 759.733+/-356.974 χ^2/NDF: 66.2/40

All: 453.936+/-253.247 χ^2/NDF: 103.1/82

- 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: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

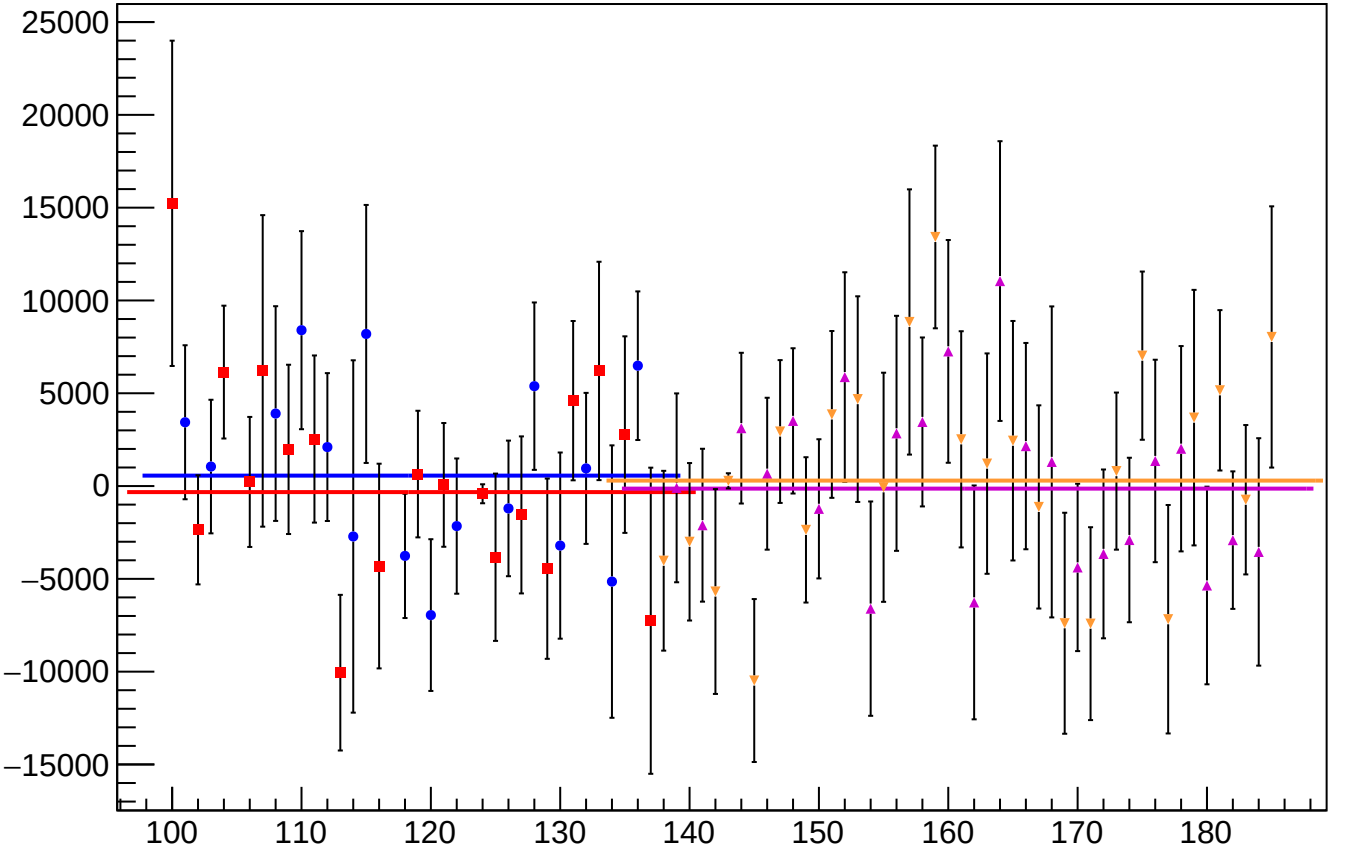
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.129+/-0.252 χ^2/NDF: 1024427.1/40

All: 1815.665+/-0.179 χ^2/NDF: 1432086.5/82

- sign 1808.136+/-0.254 χ^2/NDF: 405903.1/41

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

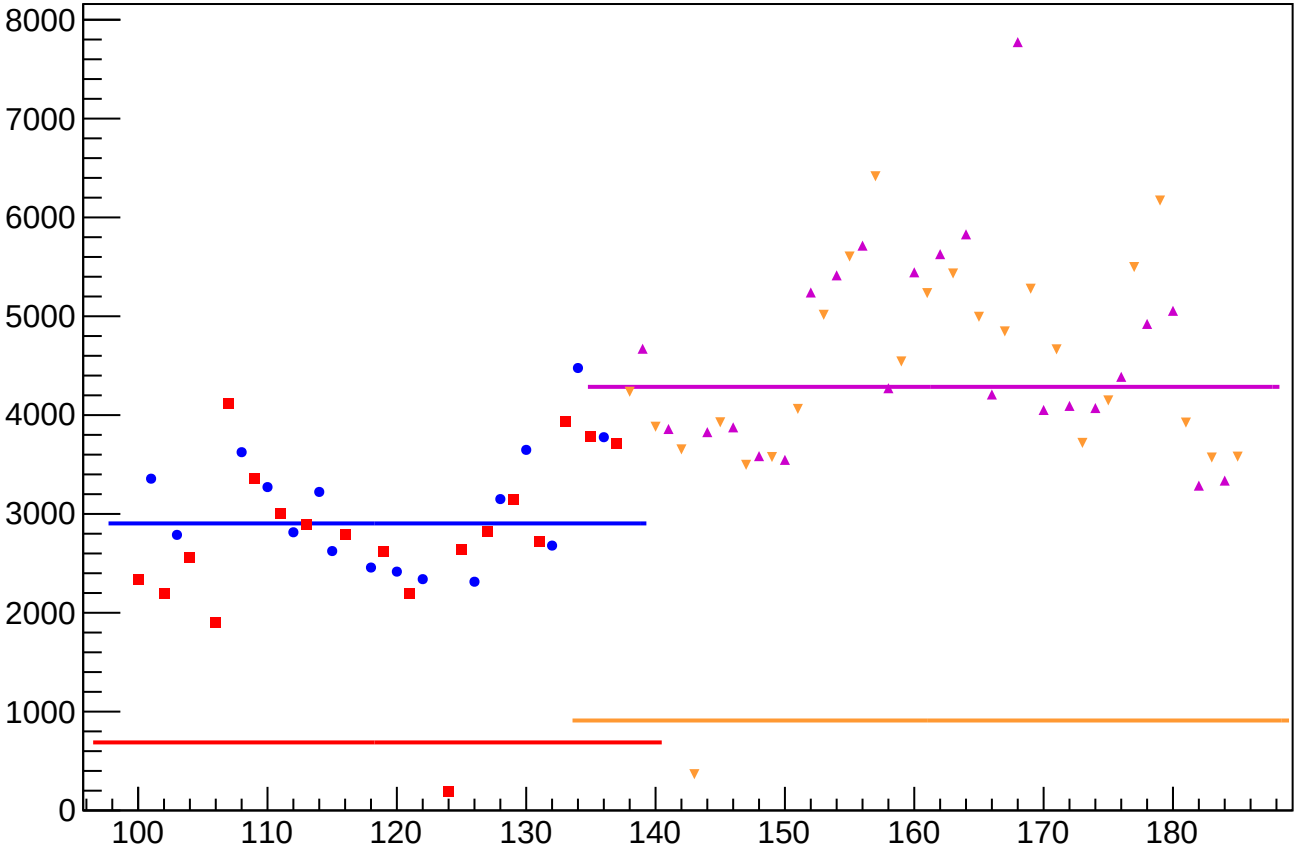
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 322.908+/-359.147 χ^2/NDF: 44.9/40

All: 60.757+/-272.400 χ^2/NDF: 79.3/82

- 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: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

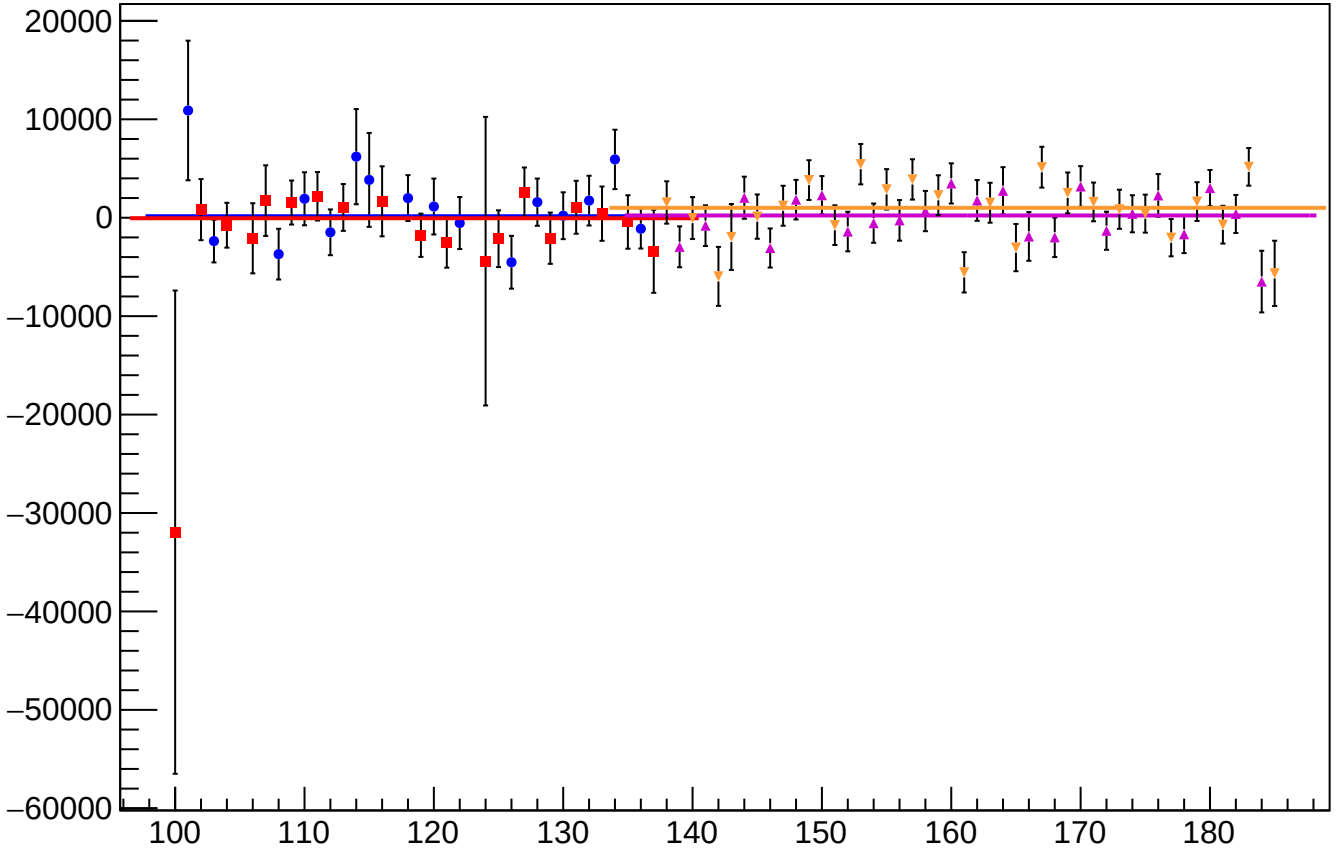
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1122.239+/-0.254 χ^2/NDF: 33113923.9/40

All: 1193.043+/-0.193 χ^2/NDF: 65380205.0/8

- 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: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

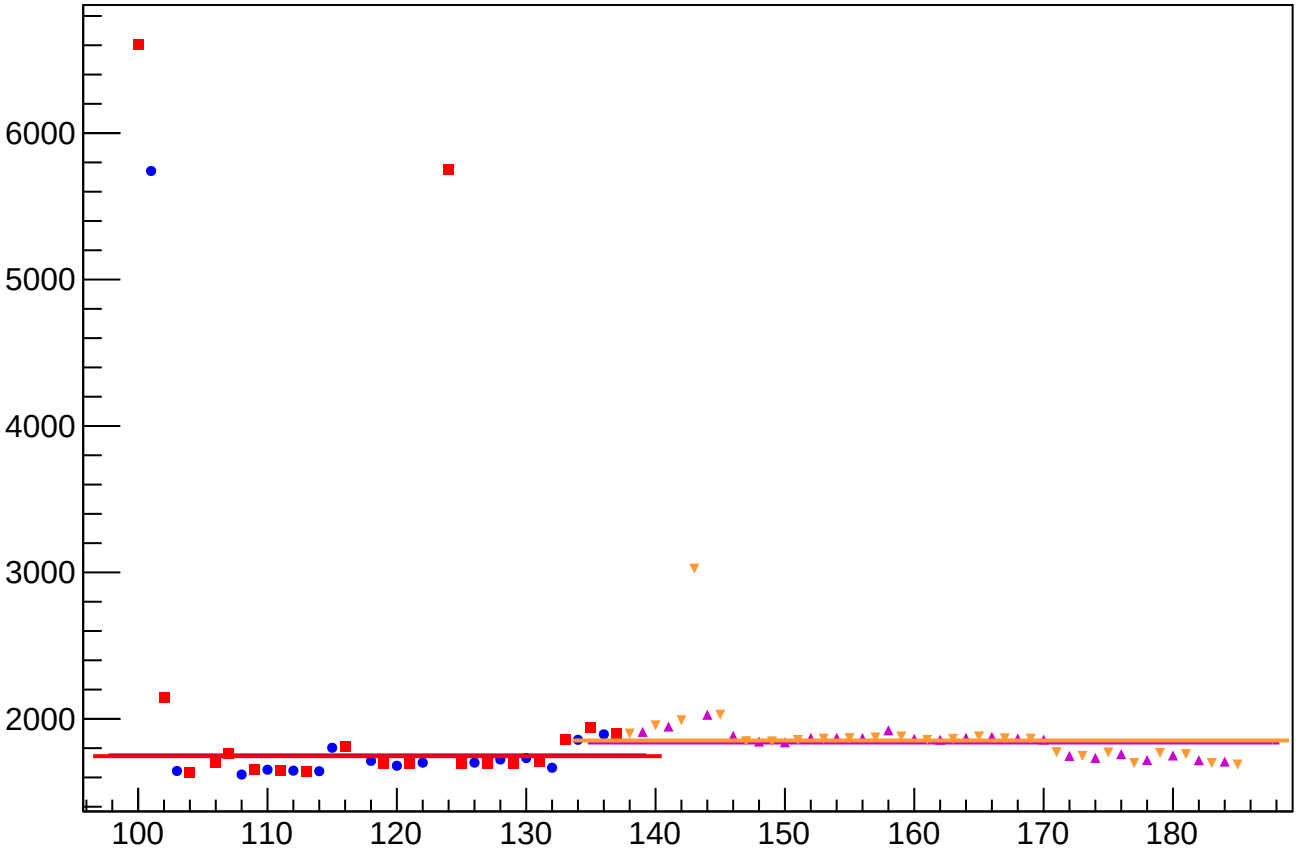
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 759.569+/-356.974 χ^2/NDF: 66.2/40

All: 453.817+/-253.247 χ^2/NDF: 103.1/82

- 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: 1852.534+/-0.299 χ^2/NDF:321038.9/24

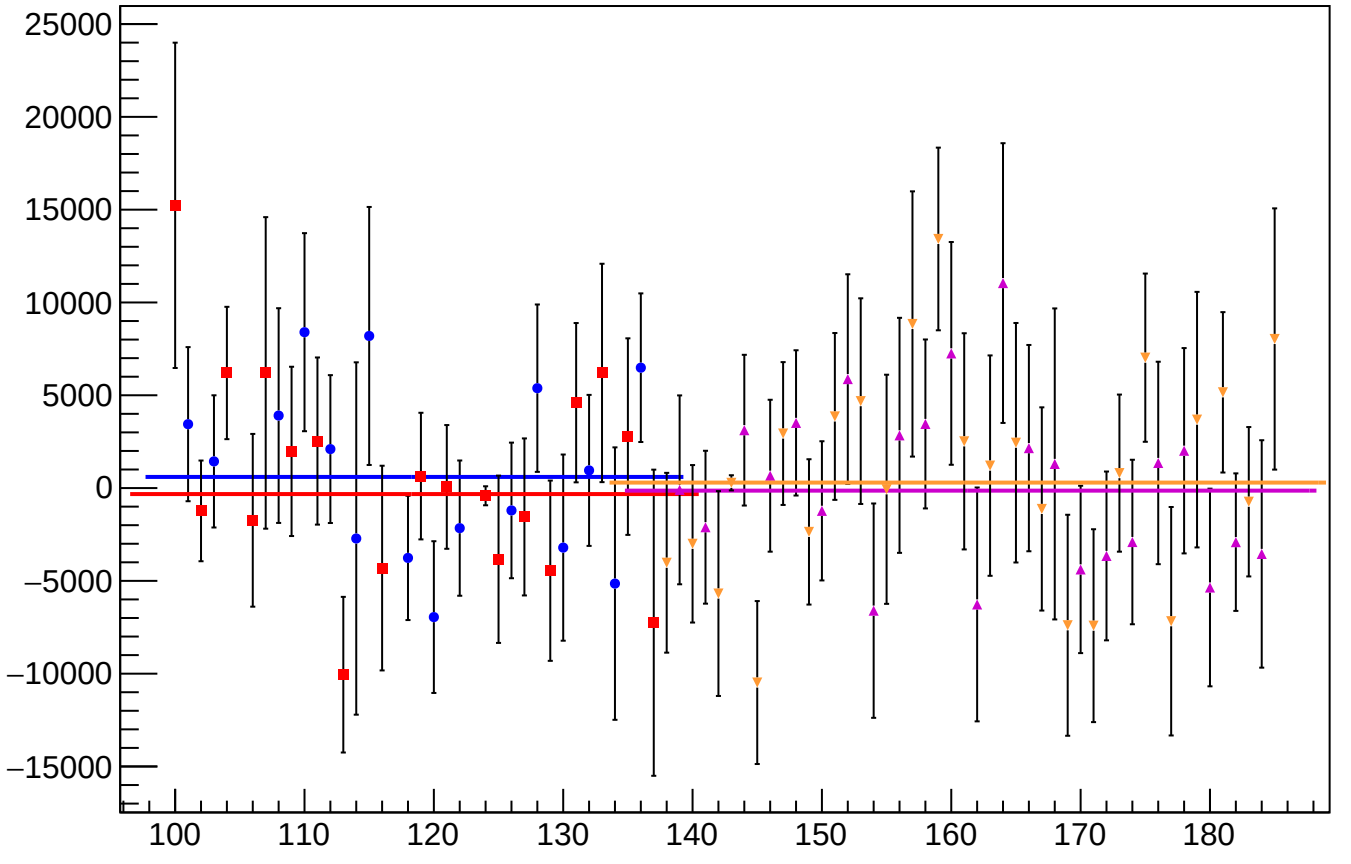
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.129+/-0.252 χ^2/NDF: 1024427.5/40

All: 1816.755+/-0.179 χ^2/NDF: 1420693.5/82

- 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: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

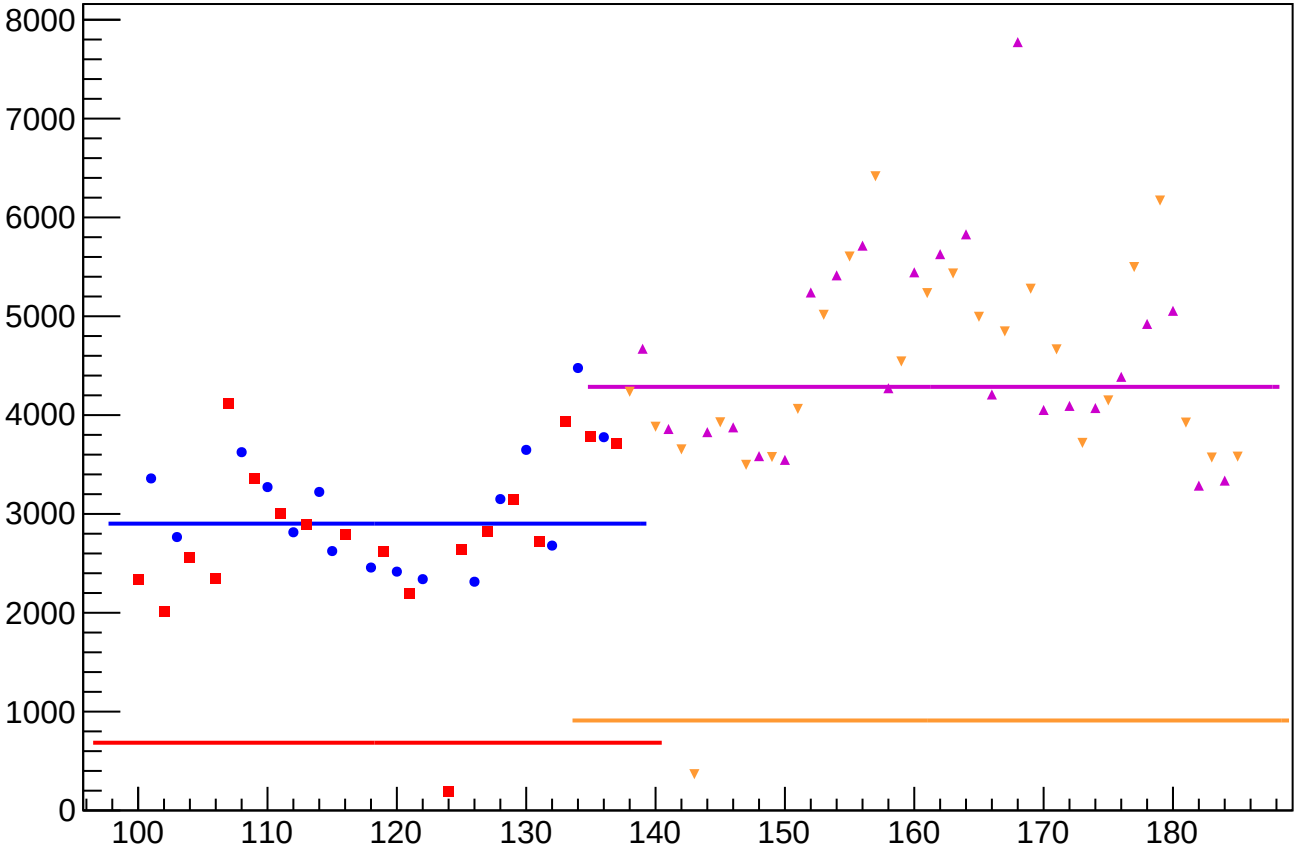
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 327.800+/-359.135 χ^2/NDF: 44.9/40

All: 64.983+/-272.587 χ^2/NDF: 79.1/82

- 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: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

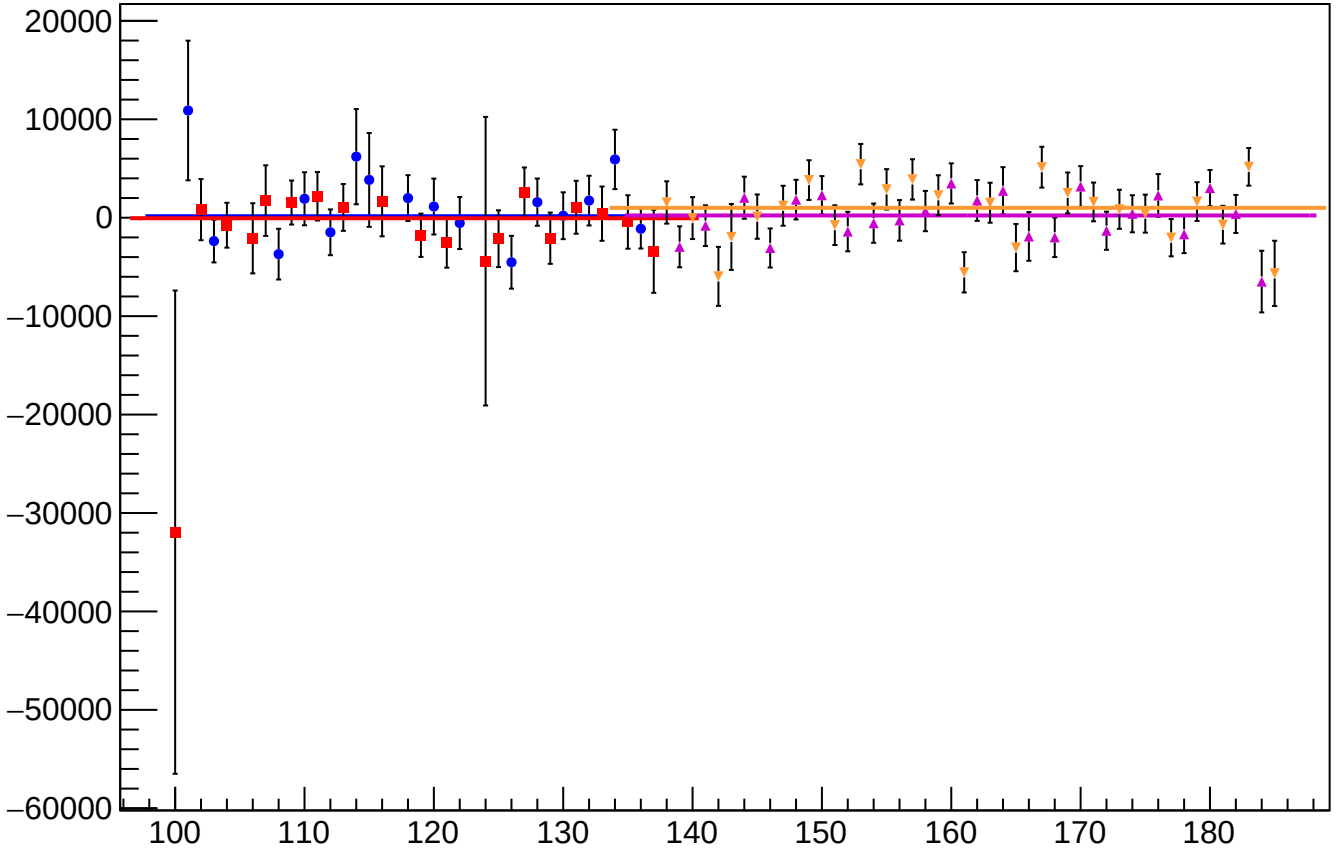
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1122.498+/-0.254 χ^2/NDF: 33110080.1/40

All: 1192.821+/-0.193 χ^2/NDF: 65352432.7/8

- 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: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

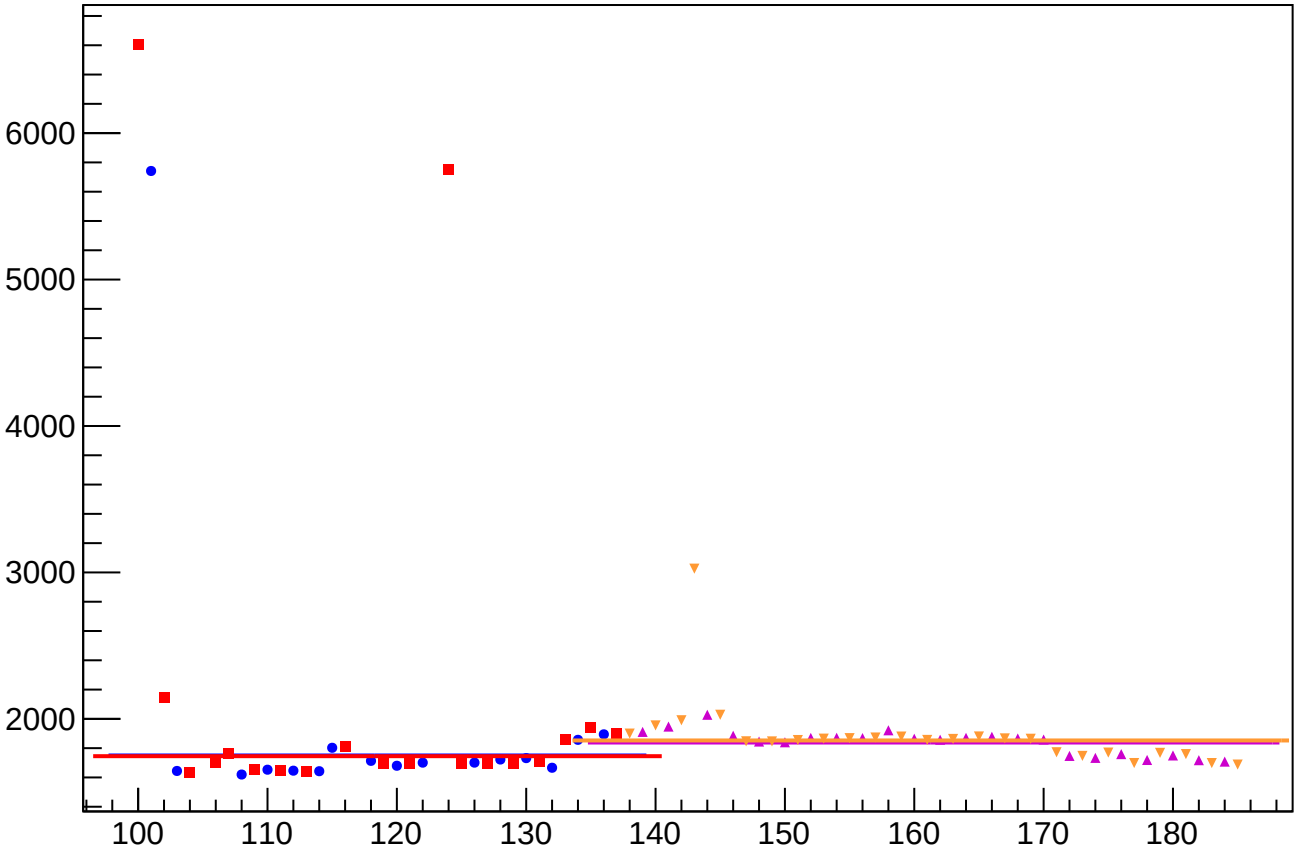
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 759.569+/-356.974 χ^2/NDF: 66.2/40

All: 453.817+/-253.247 χ^2/NDF: 103.1/82

- 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: 1852.534+/-0.299 χ^2/NDF:321038.9/24

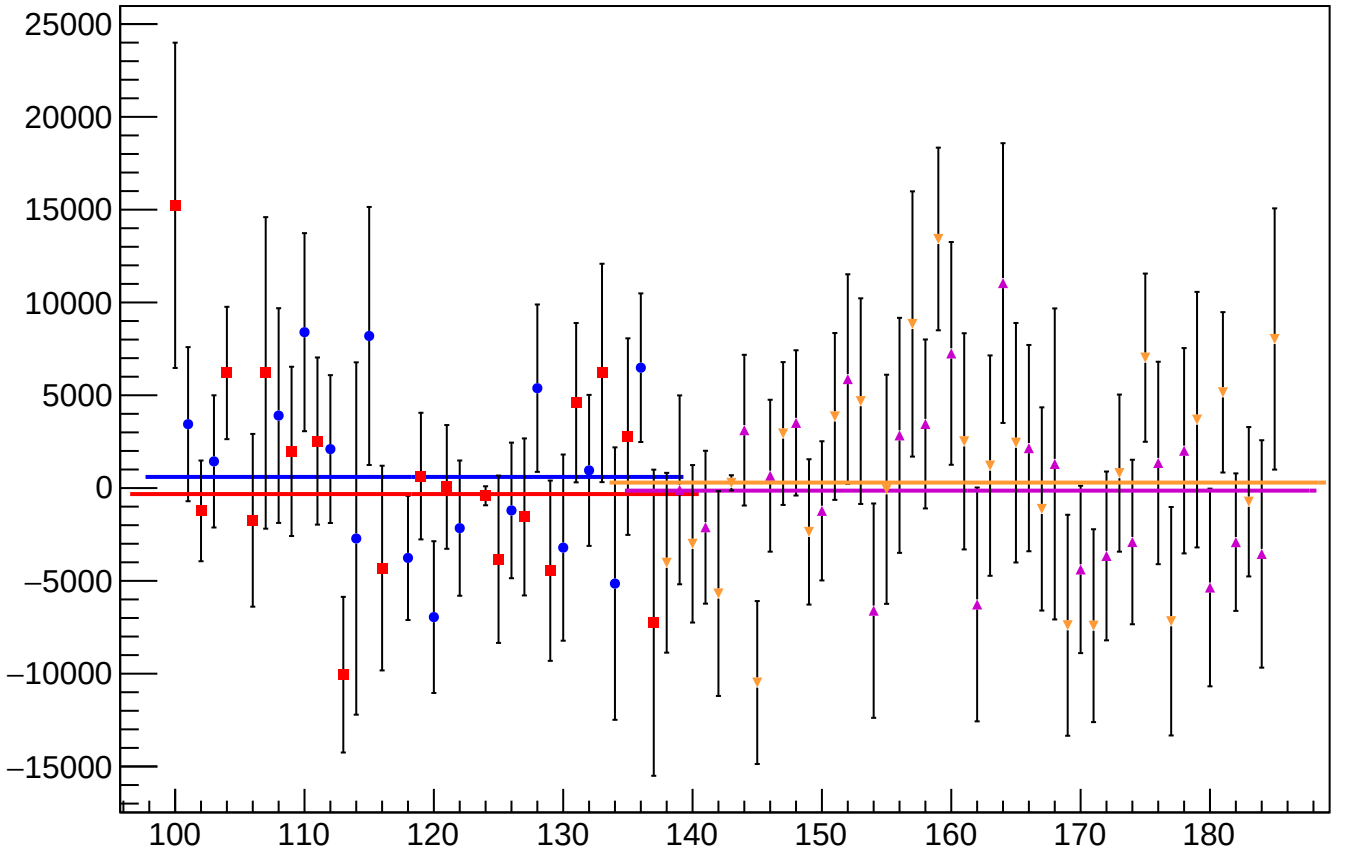
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.129+/-0.252 χ^2/NDF: 1024427.5/40

All: 1816.755+/-0.179 χ^2/NDF: 1420693.5/82

- 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: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

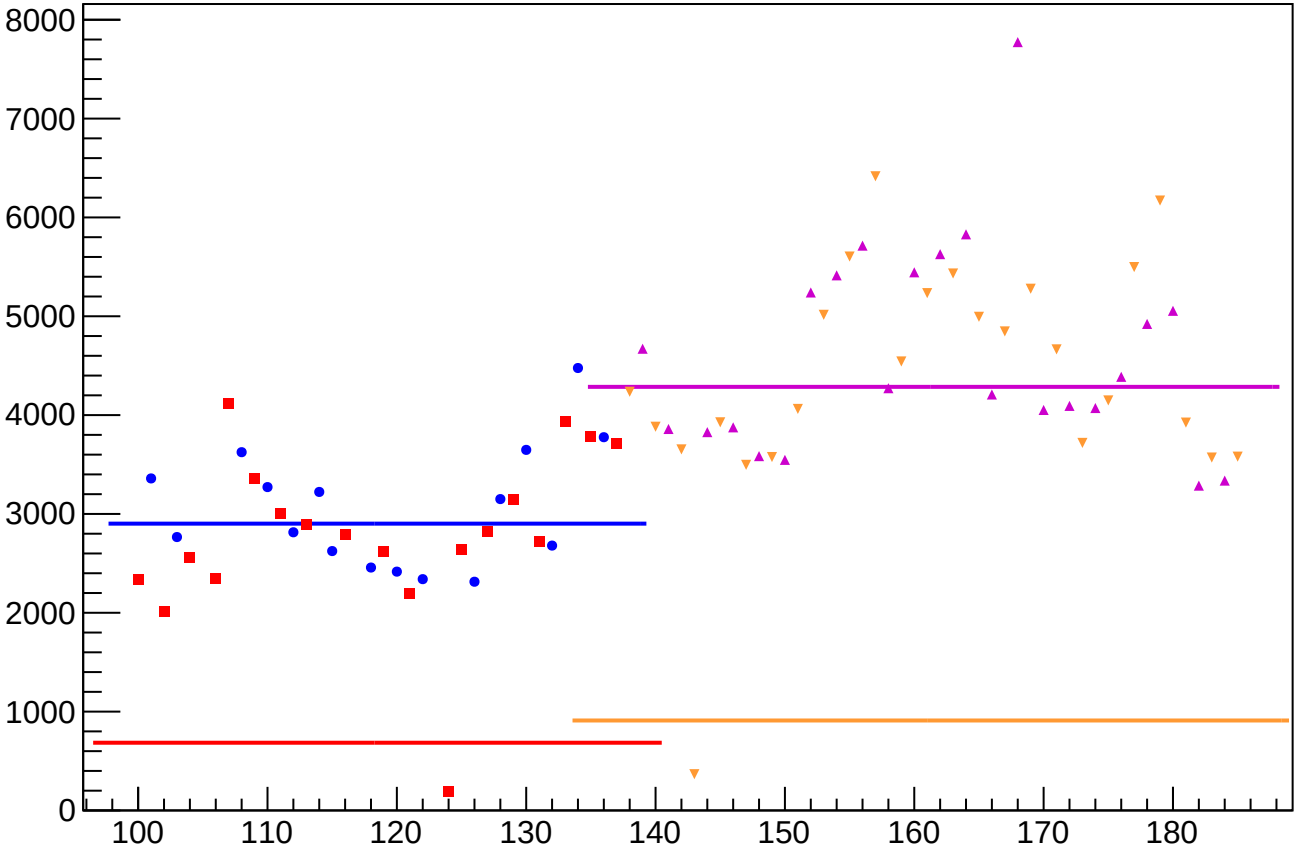
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 327.800+/-359.135 χ^2/NDF: 44.9/40

All: 64.983+/-272.587 χ^2/NDF: 79.1/82

- 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: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

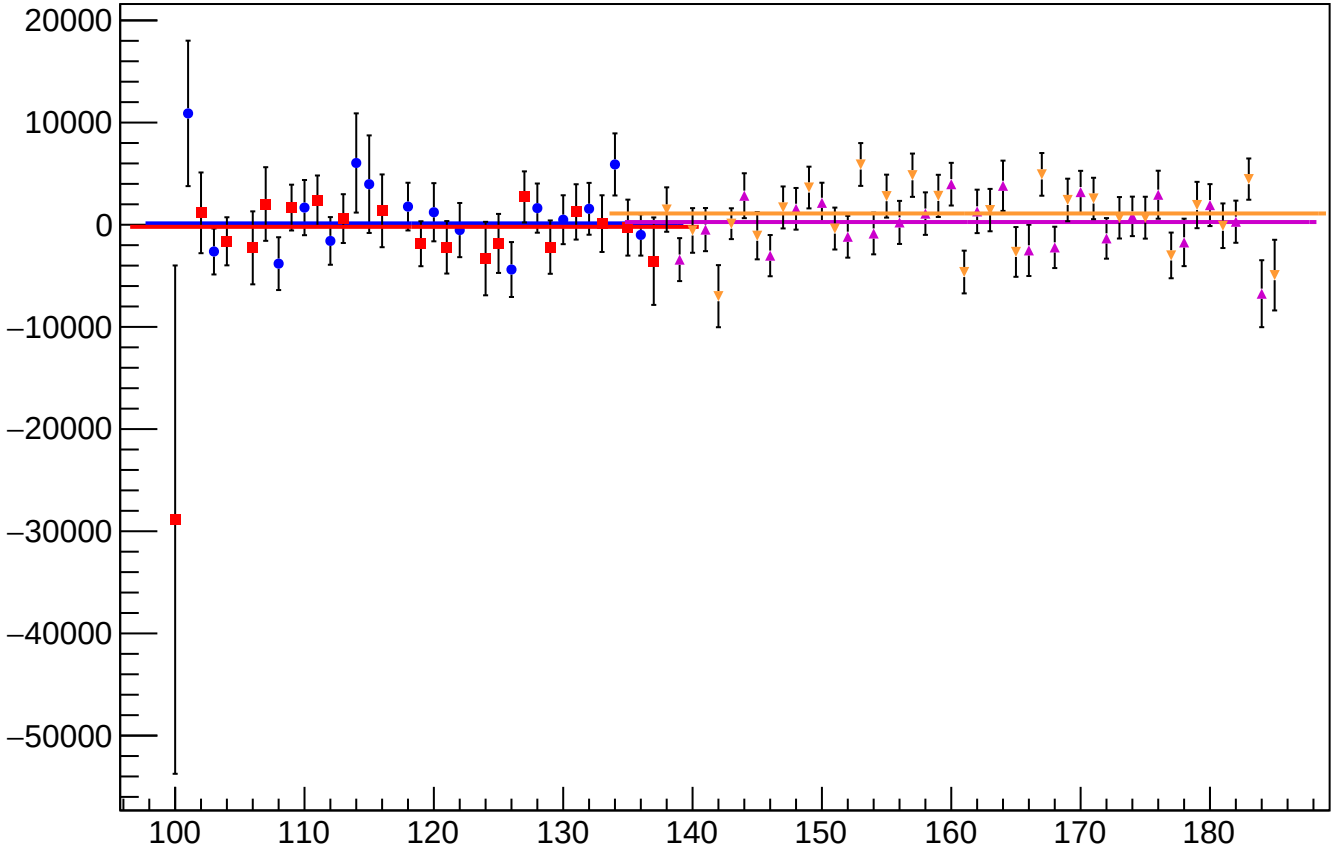
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1122.498+/-0.254 χ^2/NDF: 33110080.1/40

All: 1192.821+/-0.193 χ^2/NDF: 65352432.7/8

- 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: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

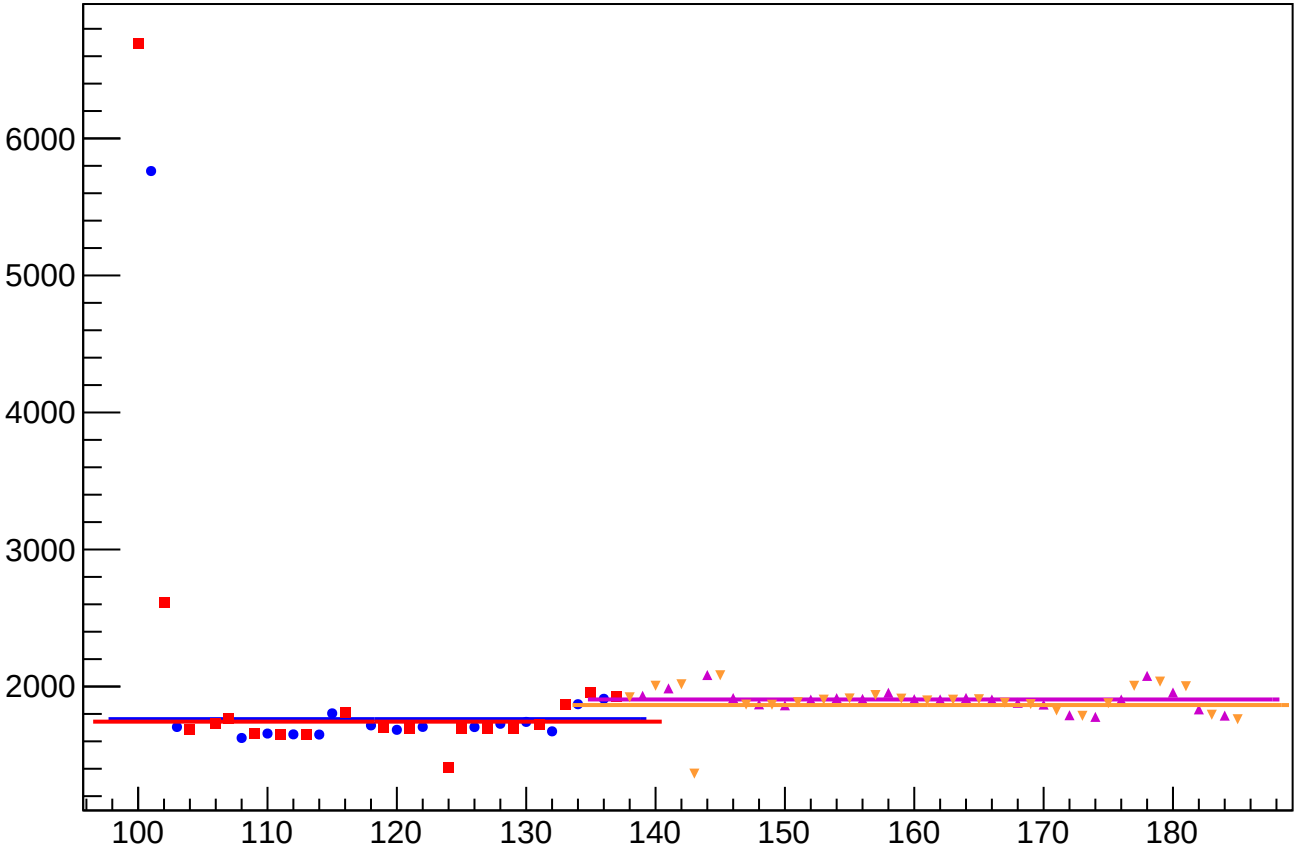
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 825.804+/-359.328 χ^2/NDF: 63.6/40

All: 479.465+/-257.159 χ^2/NDF: 103.2/82

- 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: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

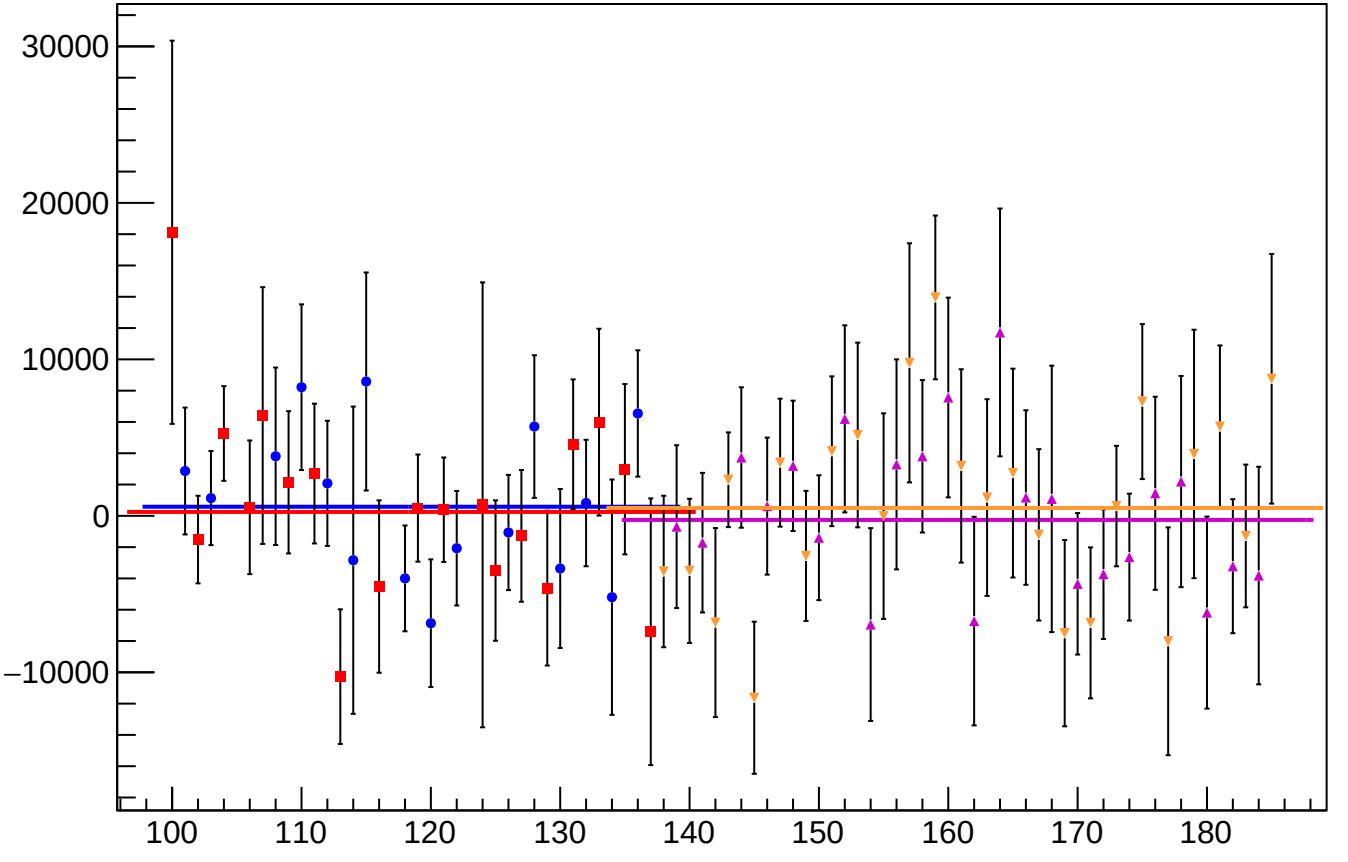
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1835.418+/-0.254 χ^2/NDF: 995845.5/40

All: 1844.579+/-0.182 χ^2/NDF: 1363044.5/82

- 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: 504.261+/-1021.684 χ^2/NDF:30.1/24

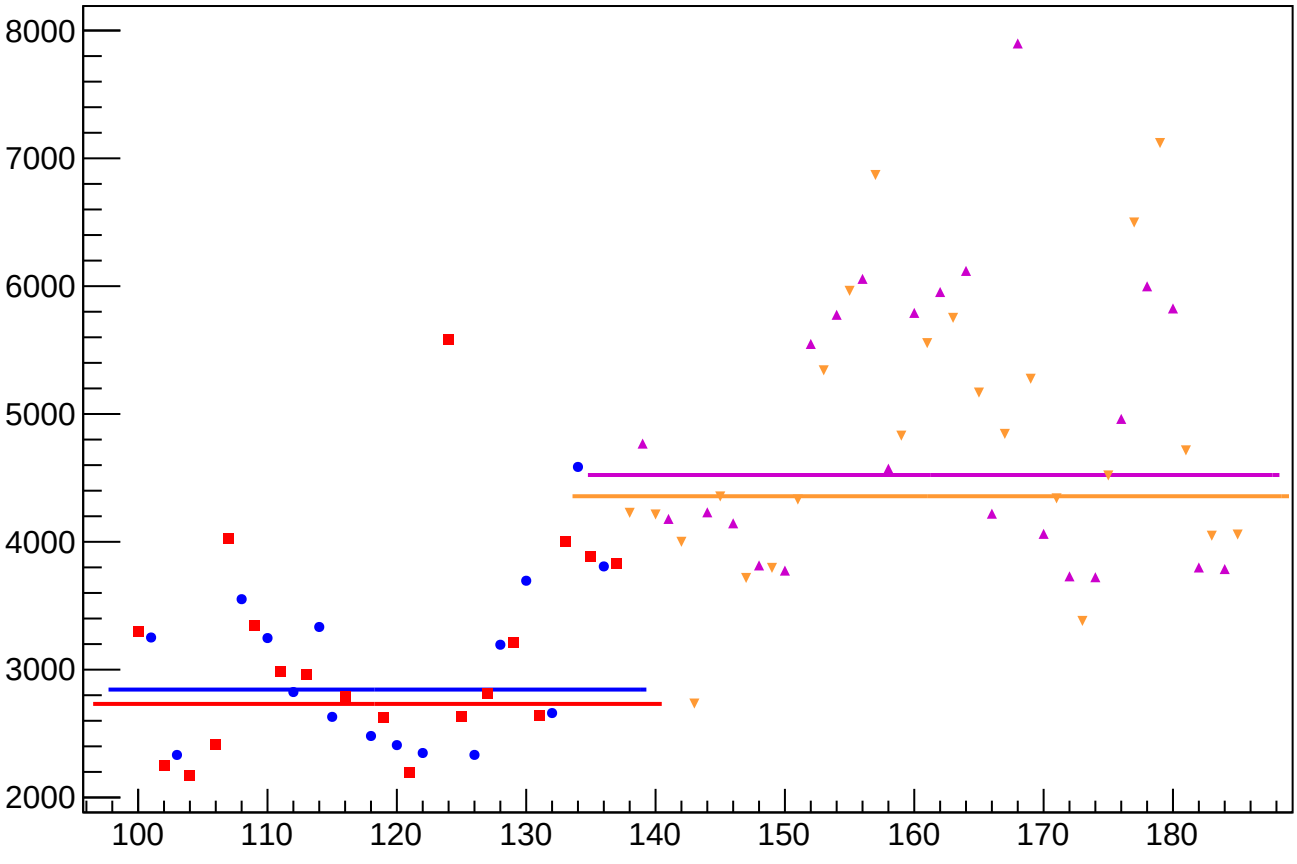
Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

\+ sign 541.027+/-742.680 χ^2/NDF: 44.9/40

All: 275.043+/-525.054 χ^2/NDF: 76.8/82

\- sign 9.261+/-742.396 χ^2/NDF: 31.6/41



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

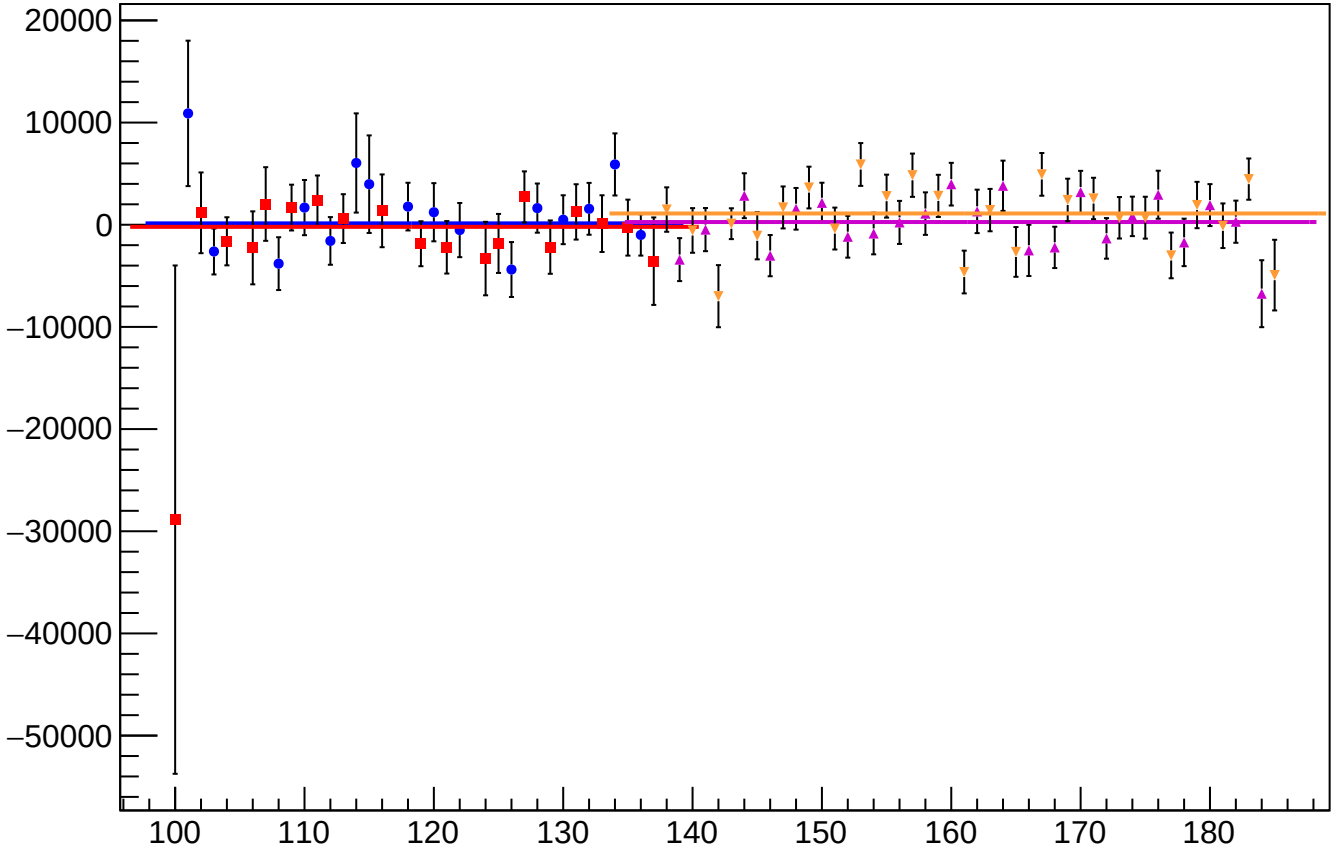
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3643.366+/-0.525 χ^2/NDF: 4521390.6/40

All: 3609.663+/-0.371 χ^2/NDF: 9474681.7/82

- 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: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

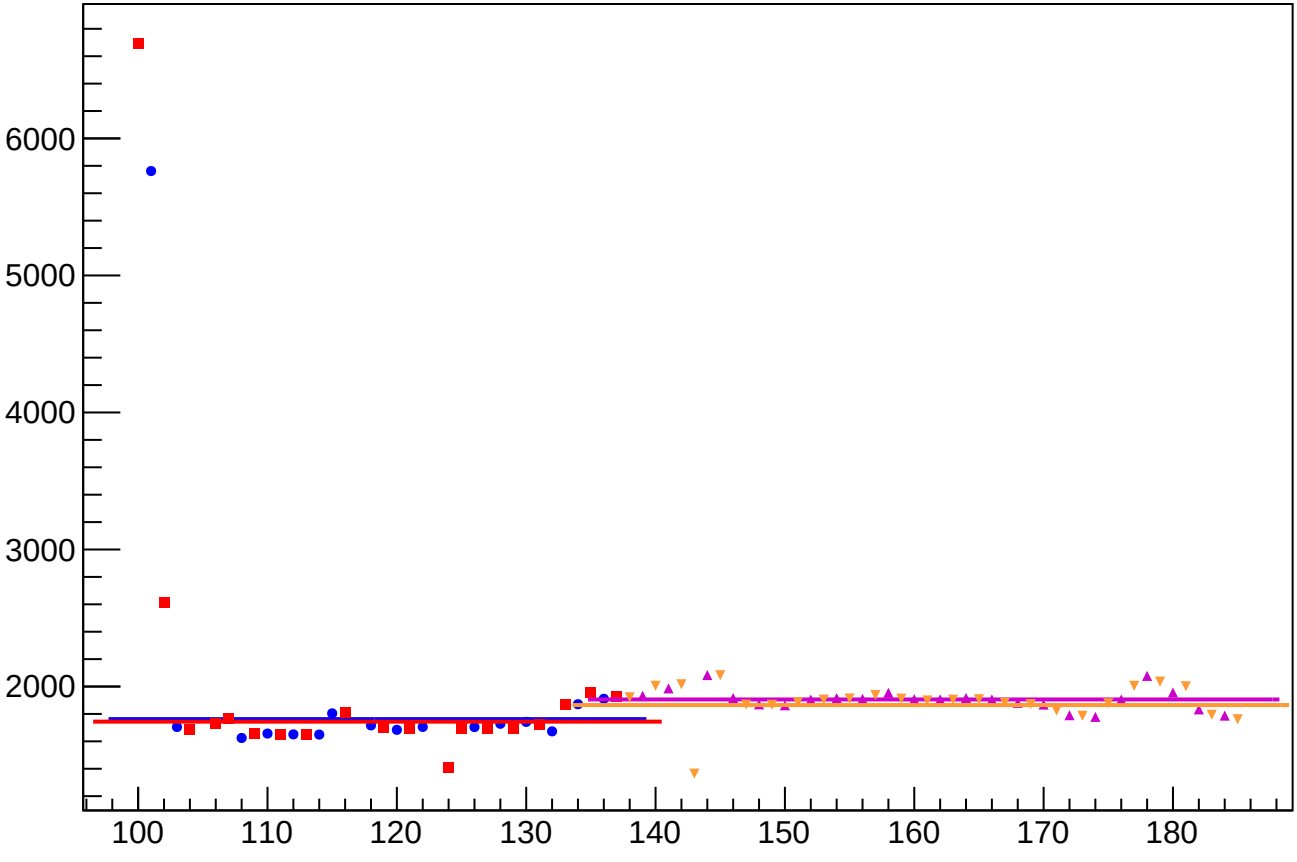
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 825.805+/-359.328 χ^2/NDF: 63.6/40

All: 479.466+/-257.159 χ^2/NDF: 103.2/82

- 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: 1864.842+/-0.301 χ^2/NDF:294715.4/24

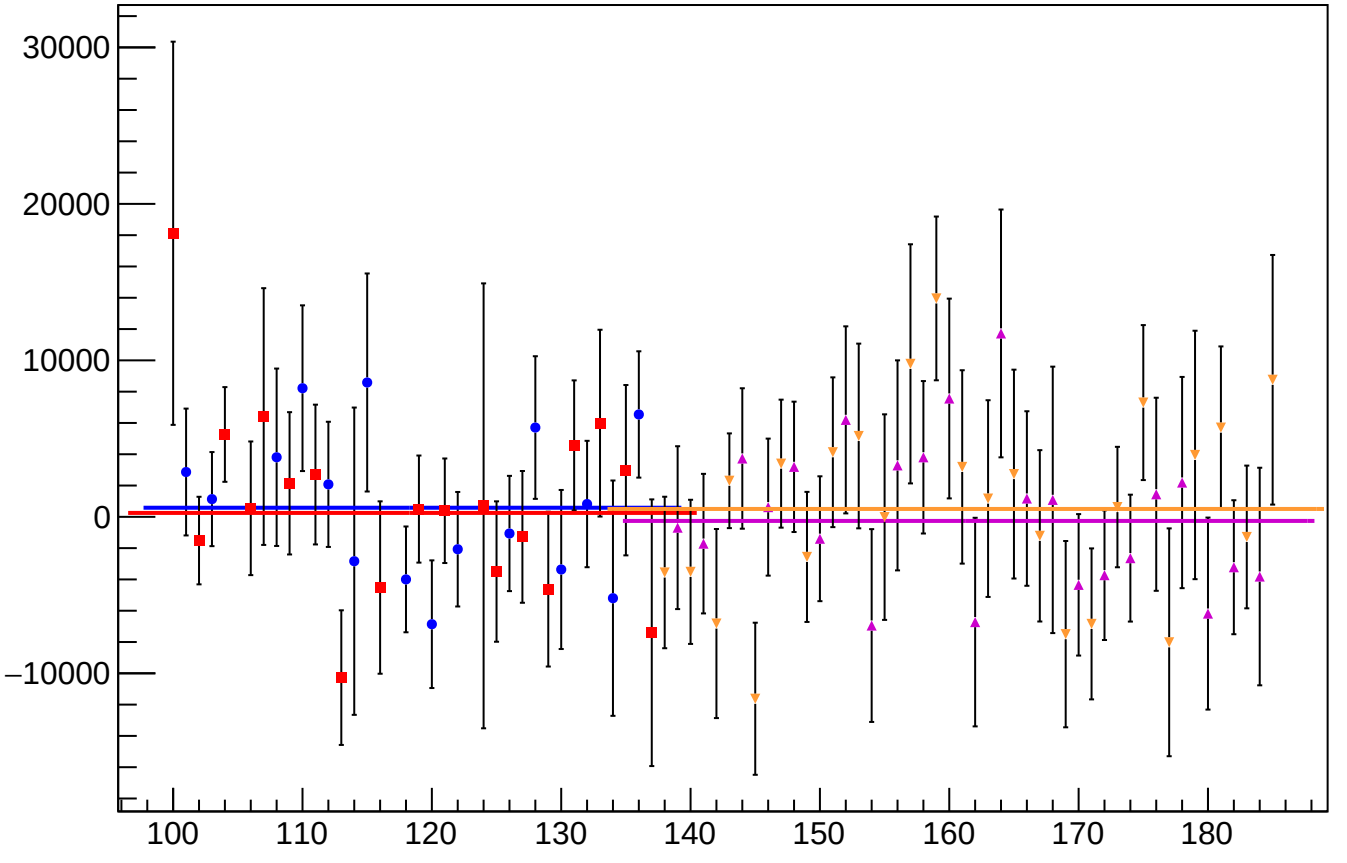
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1835.419+/-0.254 χ^2/NDF: 995849.5/40

All: 1844.580+/-0.182 χ^2/NDF: 1363051.9/82

- 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: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

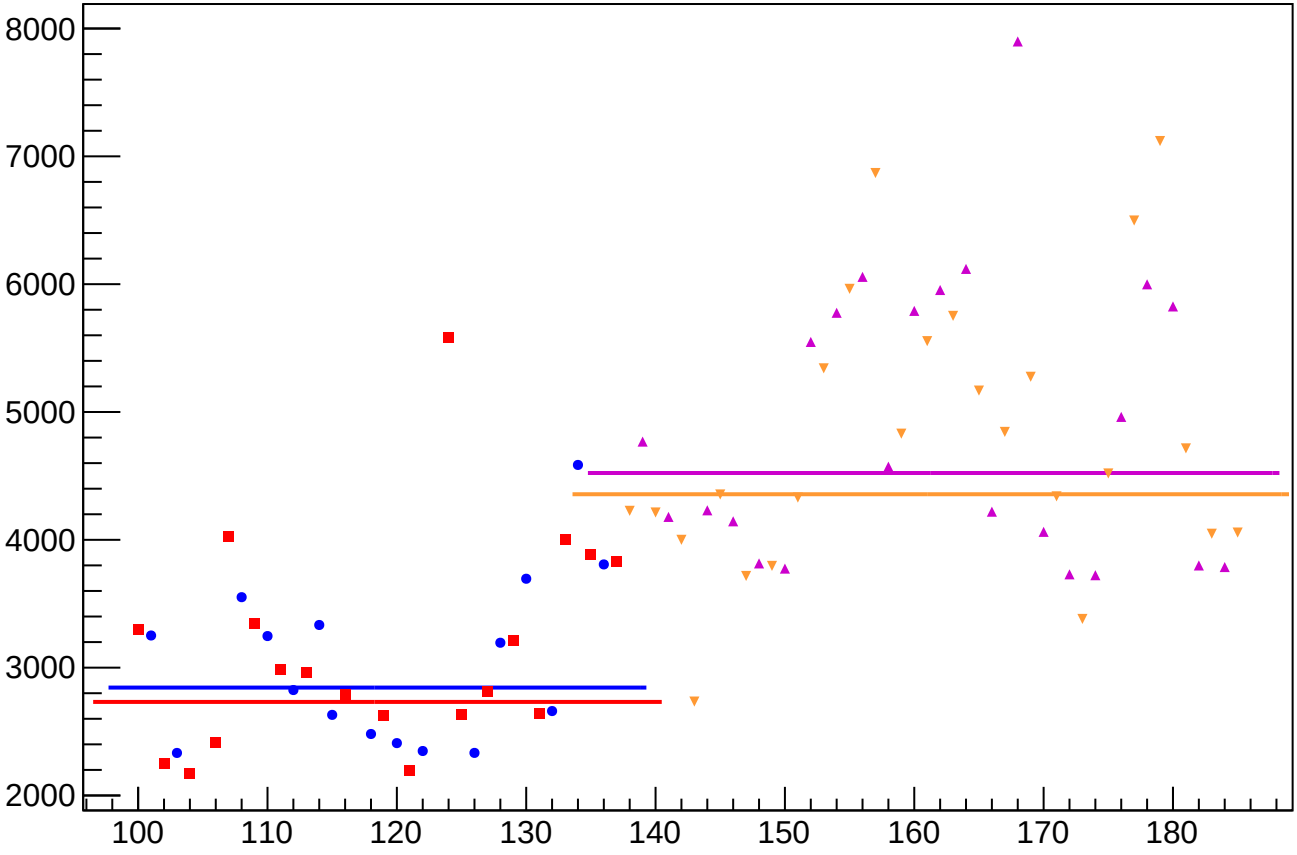
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

\+ sign 541.027+/-742.680 χ^2/NDF: 44.9/40

All: 275.043+/-525.053 χ^2/NDF: 76.8/82

\- 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: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

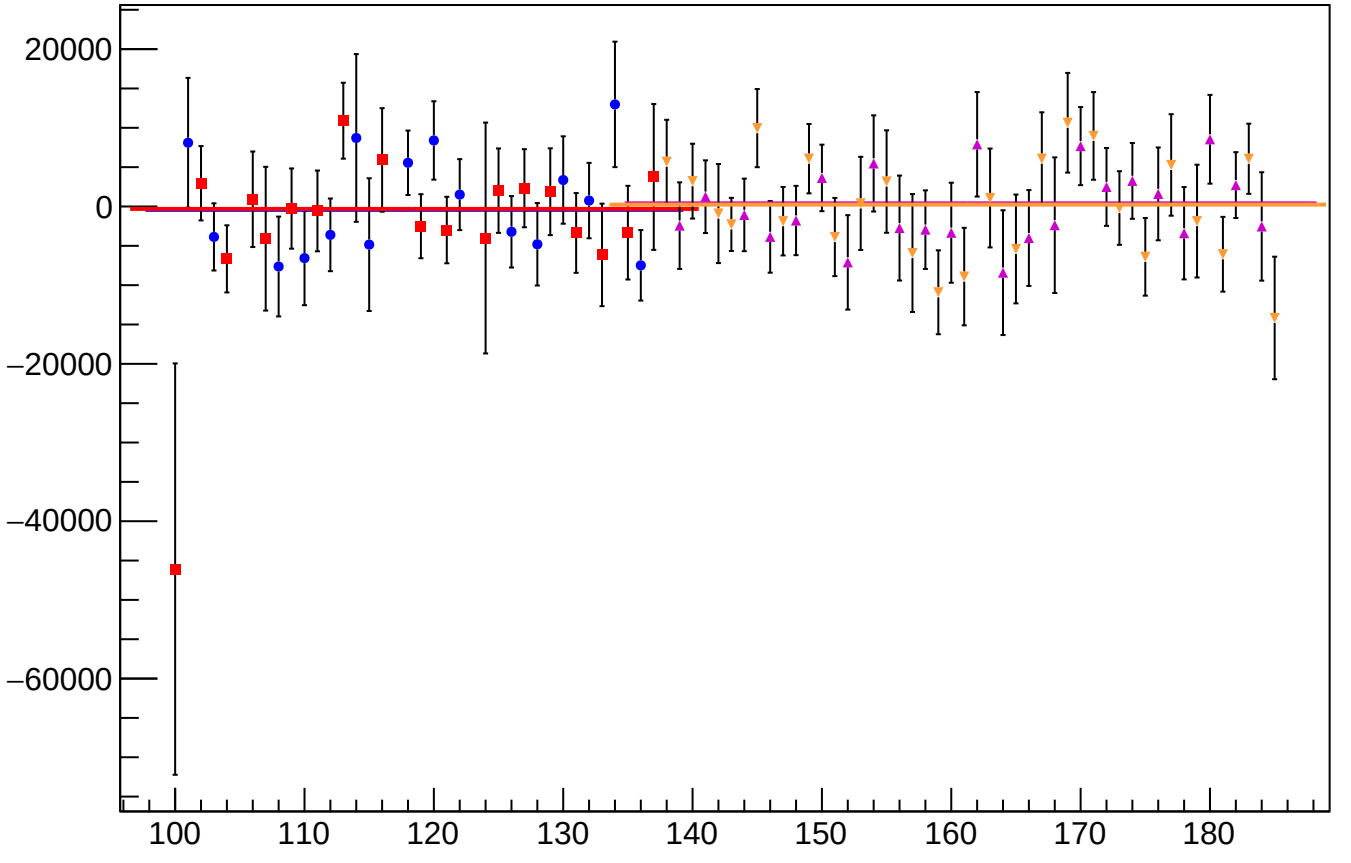
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3643.363+/-0.525 χ^2/NDF: 4521441.0/40

All: 3609.660+/-0.371 χ^2/NDF: 9474774.4/82

- 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: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

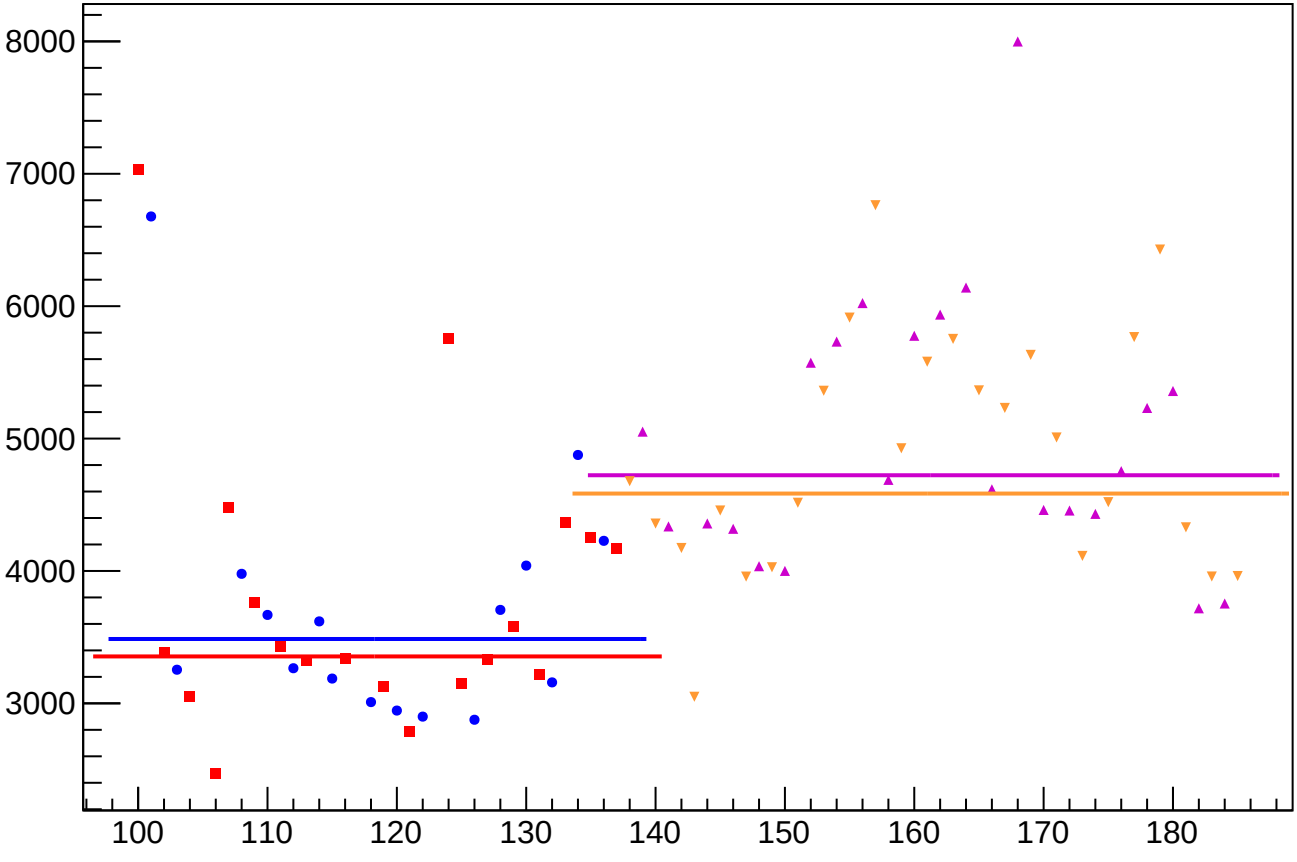
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign -19.670+/-830.482 χ^2/NDF: 50.2/40

All: 34.541+/-591.346 χ^2/NDF: 79.9/82

- 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: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

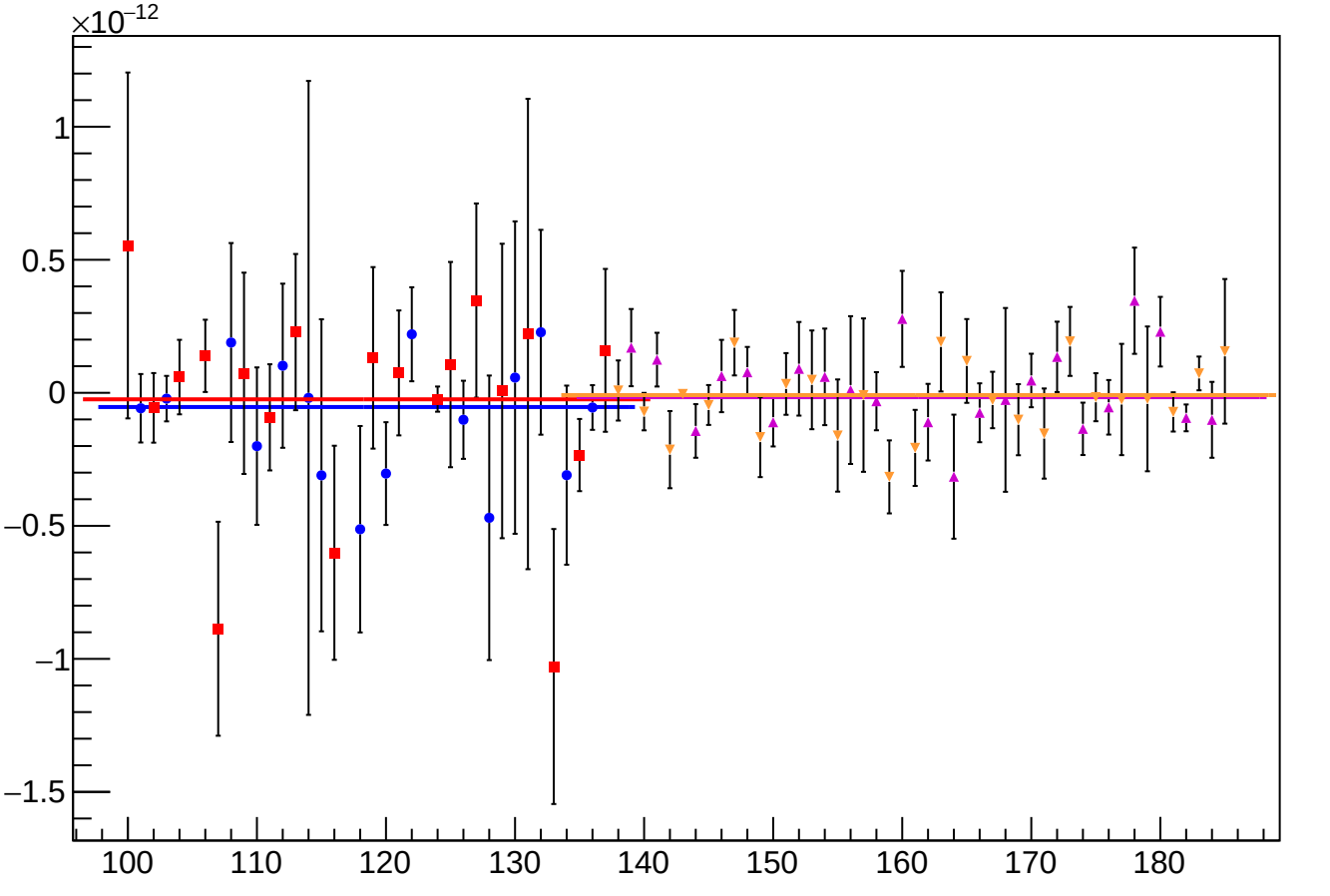
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4154.584+/-0.587 χ^2/NDF: 2741129.5/40

All: 4135.961+/-0.417 χ^2/NDF: 5455343.7/82

- 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:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

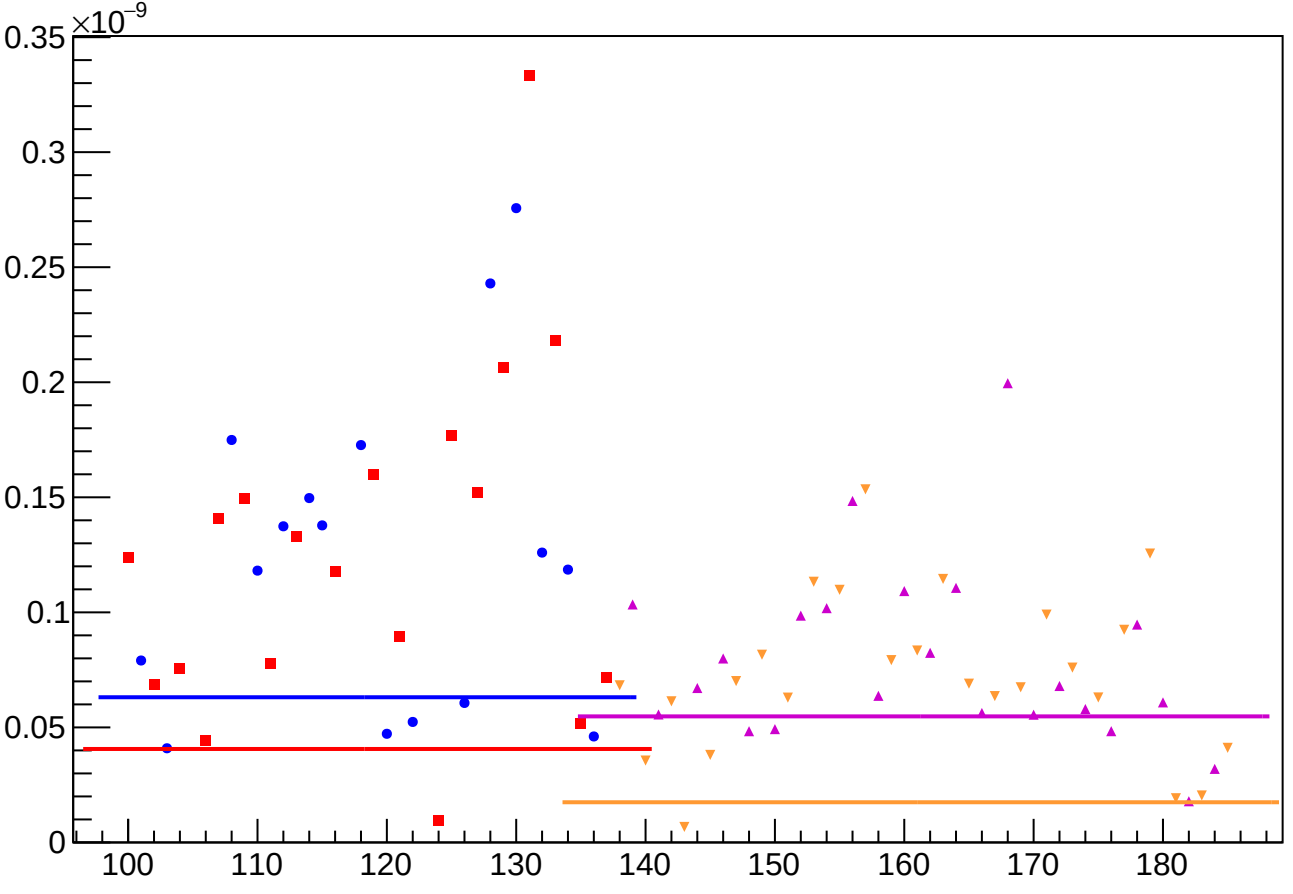
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/40

All: -0.000+/-0.000 χ^2/NDF: 76.8/82

- sign -0.000+/-0.000 χ^2/NDF: 44.4/41

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

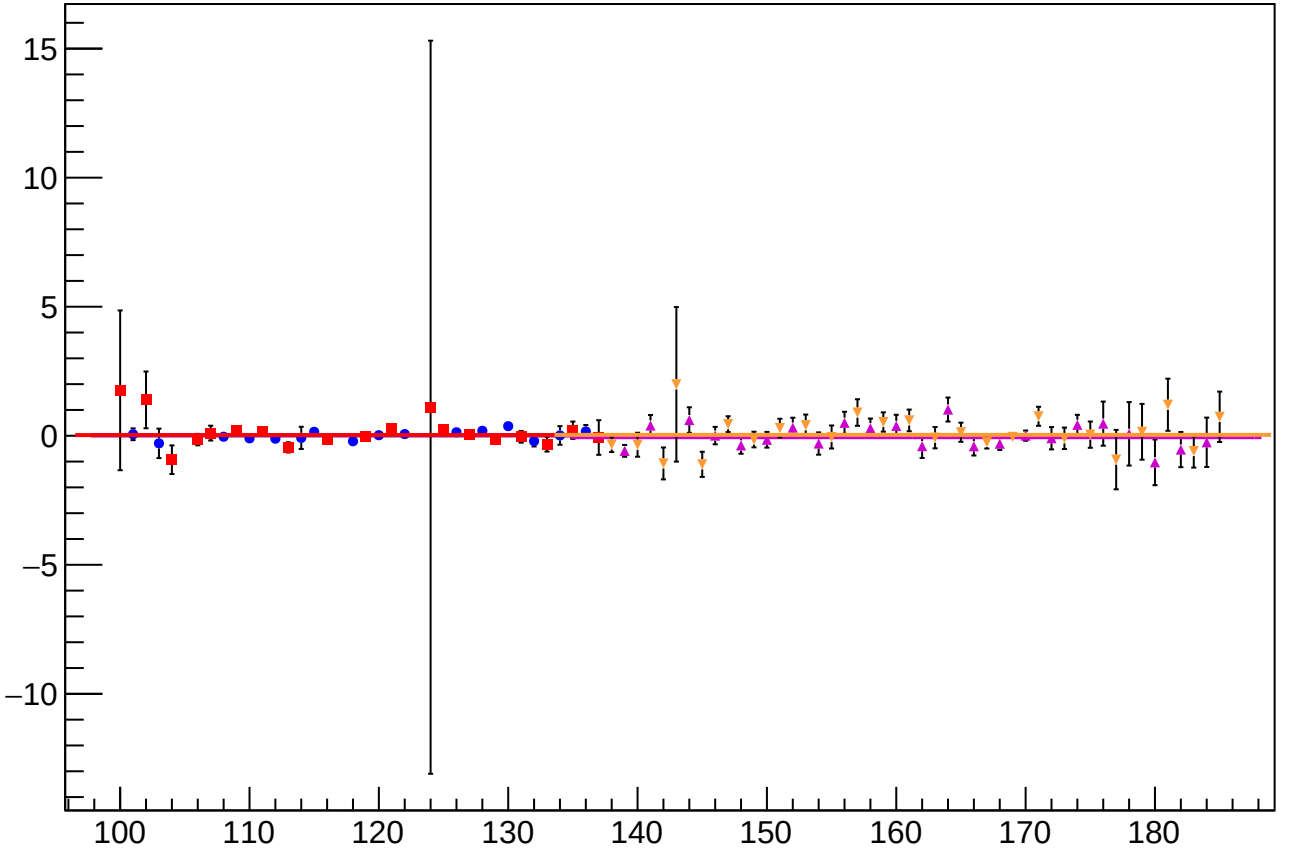
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 12280616.9/40

All: 0.000+/-0.000 χ^2/NDF: 22006065.4/82

\- 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: 0.034+/-0.078 χ^2/NDF:30.5/24

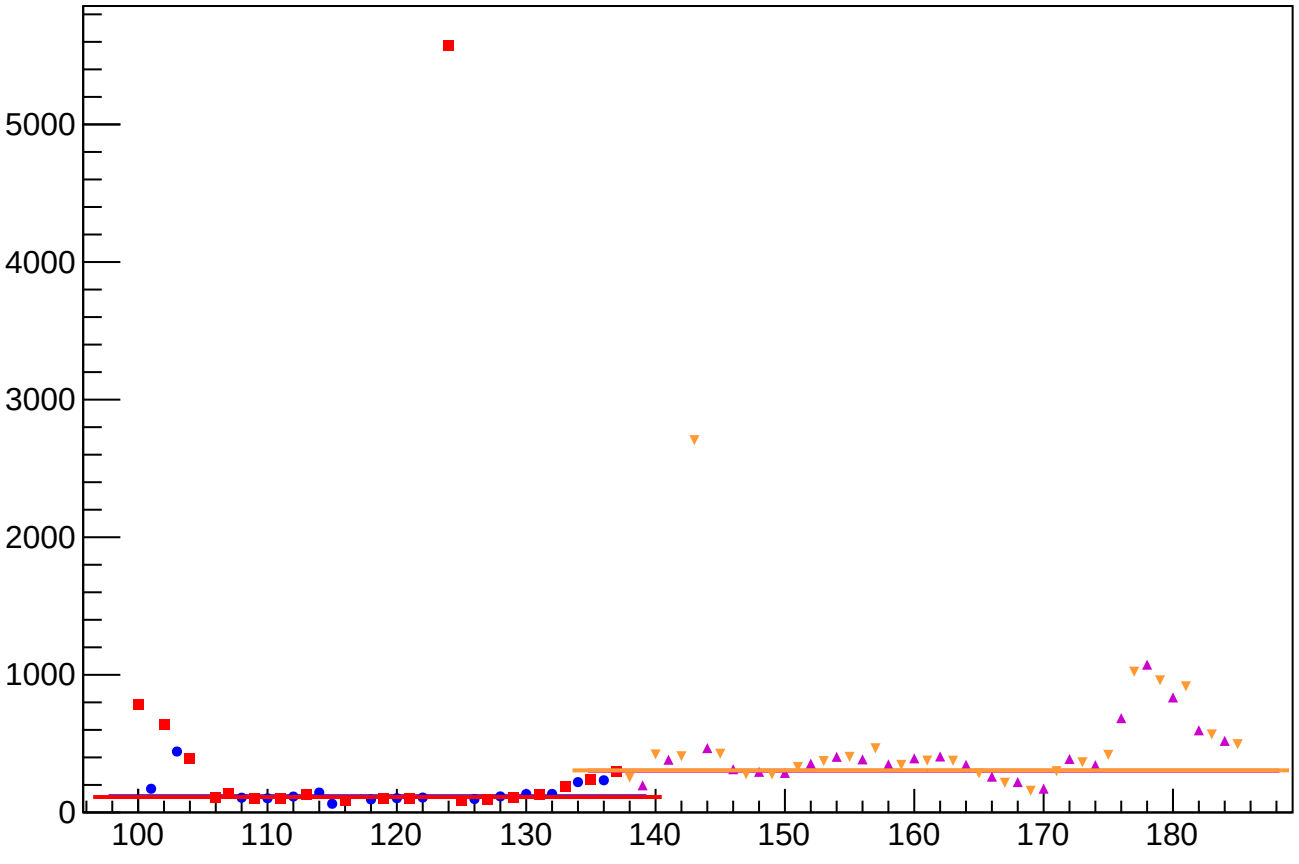
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.020+/-0.041 χ^2/NDF: 42.3/40

All: 0.012+/-0.029 χ^2/NDF: 91.3/82

- sign 0.004+/-0.040 χ^2/NDF: 49.0/41



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

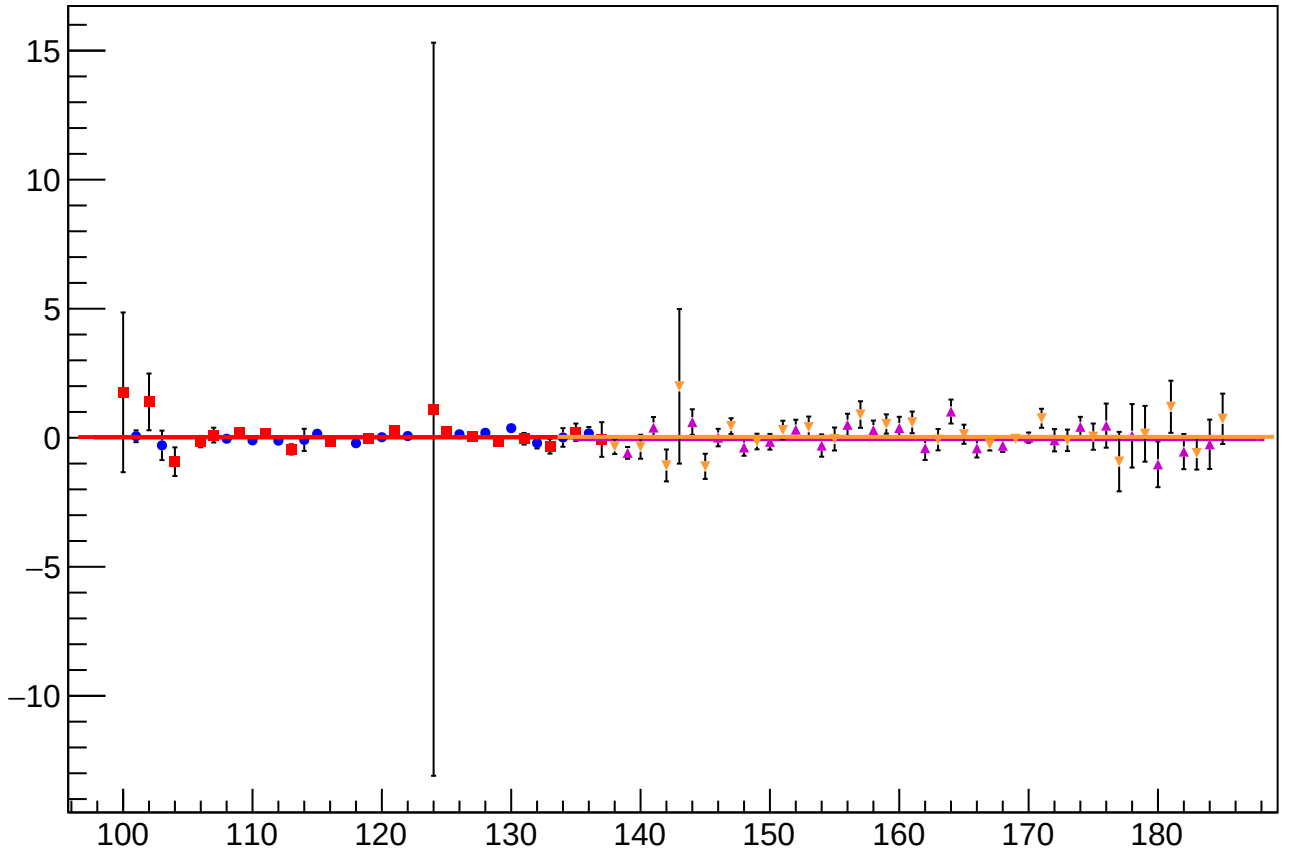
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 169.265+/-0.029 χ^2/NDF: 16831842.2/40

All: 166.309+/-0.020 χ^2/NDF: 32796678.2/82

- 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: 0.034+/-0.078 χ^2/NDF:30.5/24

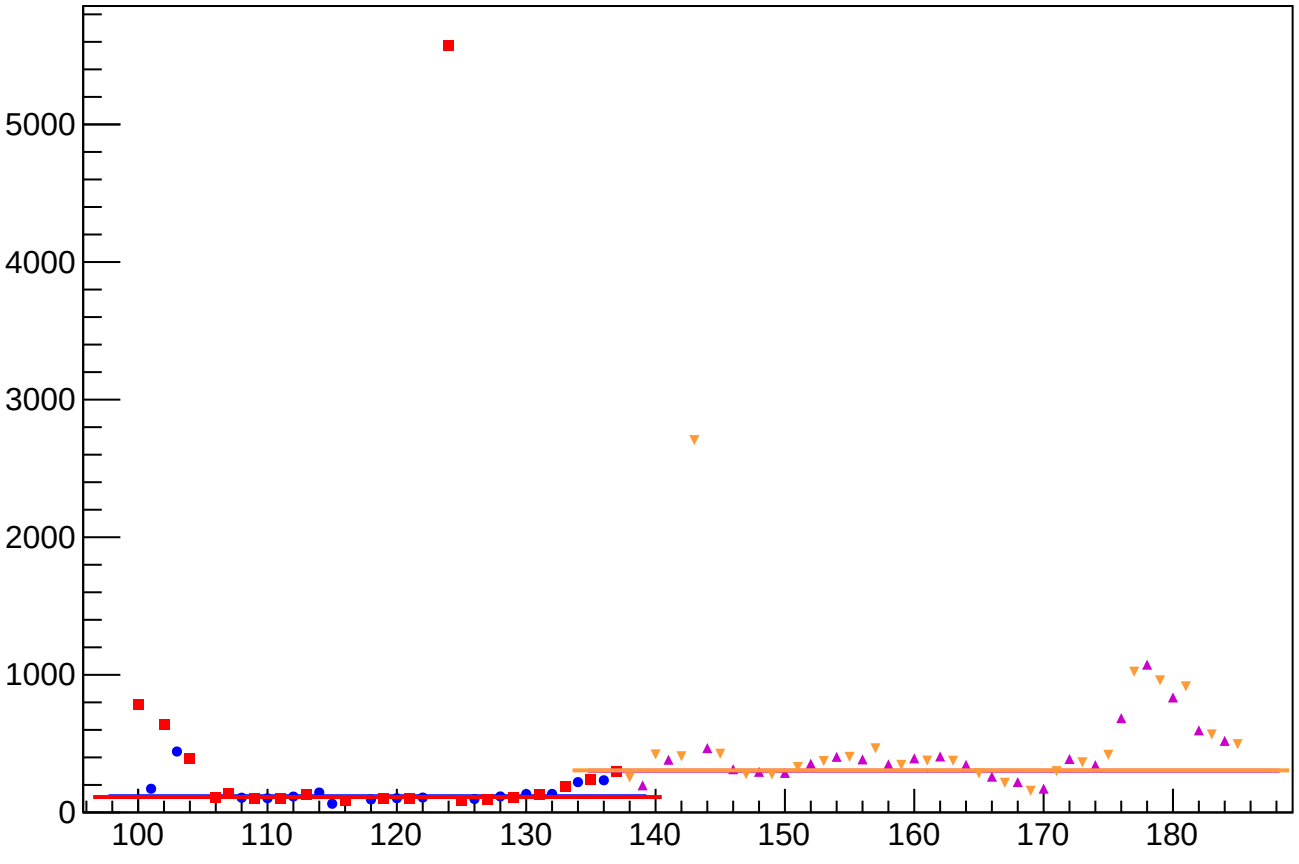
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.020+/-0.041 χ^2/NDF: 42.3/40

All: 0.012+/-0.029 χ^2/NDF: 91.3/82

- sign 0.004+/-0.040 χ^2/NDF: 49.0/41



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

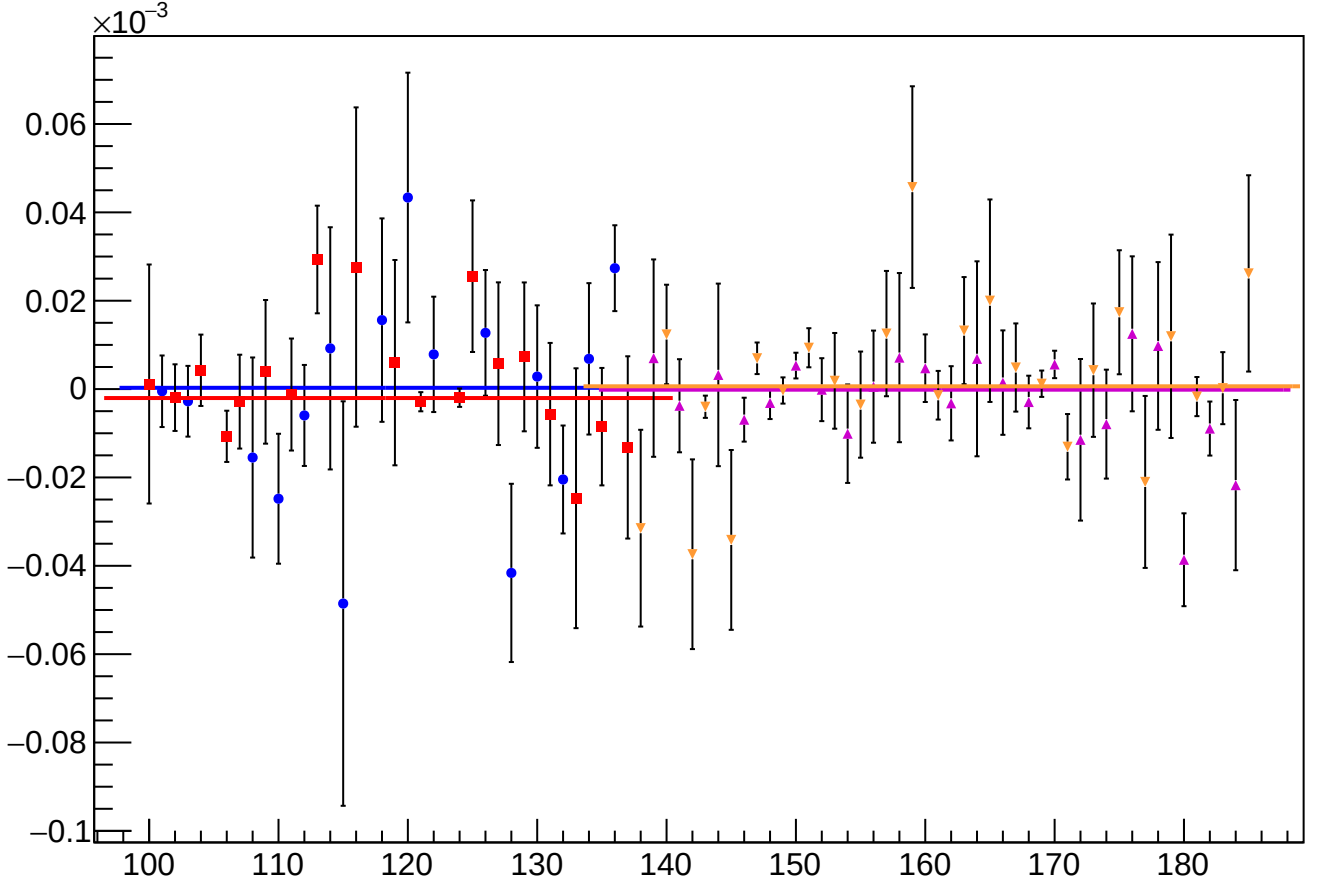
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 169.265+/-0.029 χ^2/NDF: 16831842.2/40

All: 166.309+/-0.020 χ^2/NDF: 32796678.2/82

- 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:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

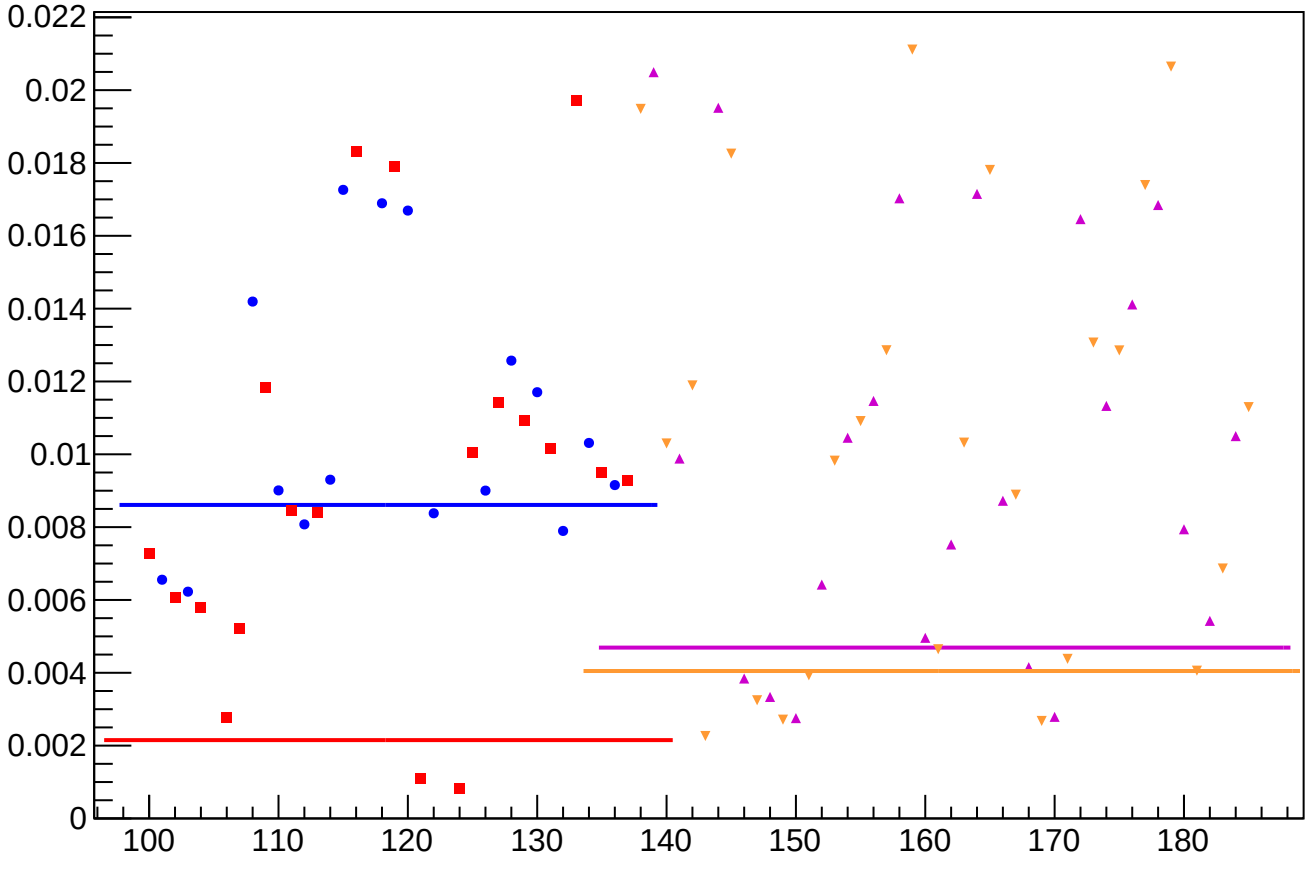
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/40

All: -0.000+/-0.000 χ^2/NDF: 105.6/82

- sign -0.000+/-0.000 χ^2/NDF: 45.6/41

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

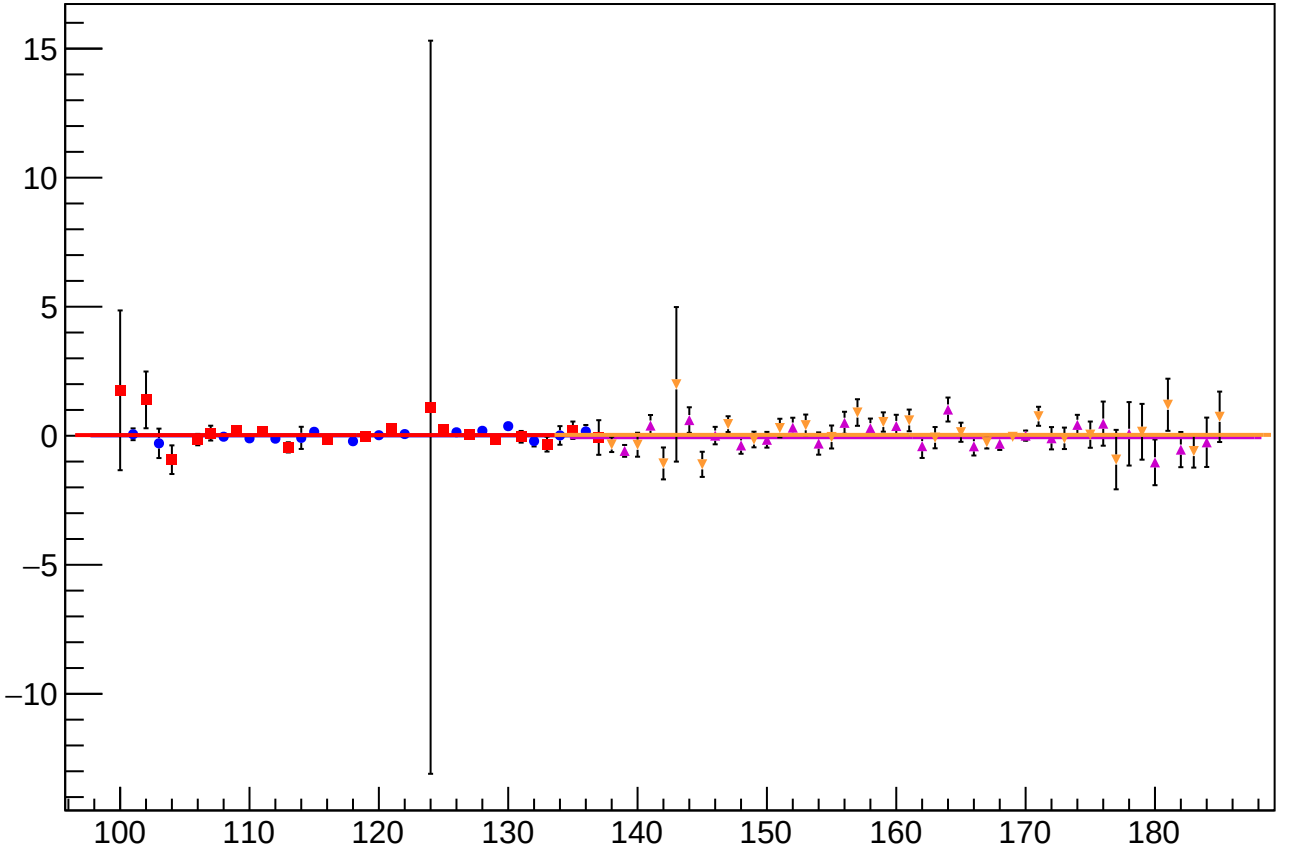
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 17914341.3/40

All: 0.004+/-0.000 χ^2/NDF: 42597032.4/82

- sign 0.003+/-0.000 χ^2/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: 0.034+/-0.078 χ^2/NDF:30.5/24

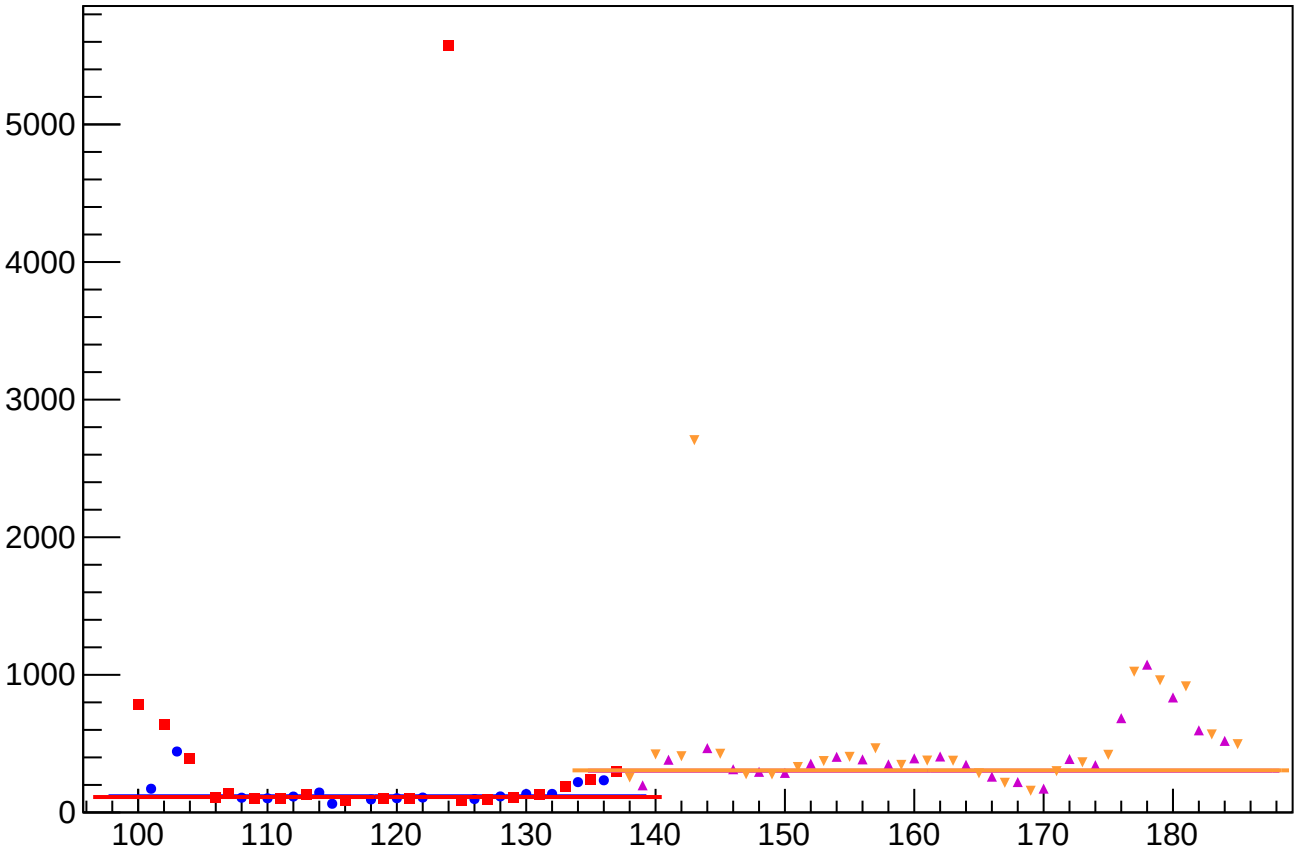
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.020+/-0.041 χ^2/NDF: 42.3/40

All: 0.012+/-0.029 χ^2/NDF: 91.3/82

- 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: 305.951+/-0.055 χ^2/NDF:6634999.6/24

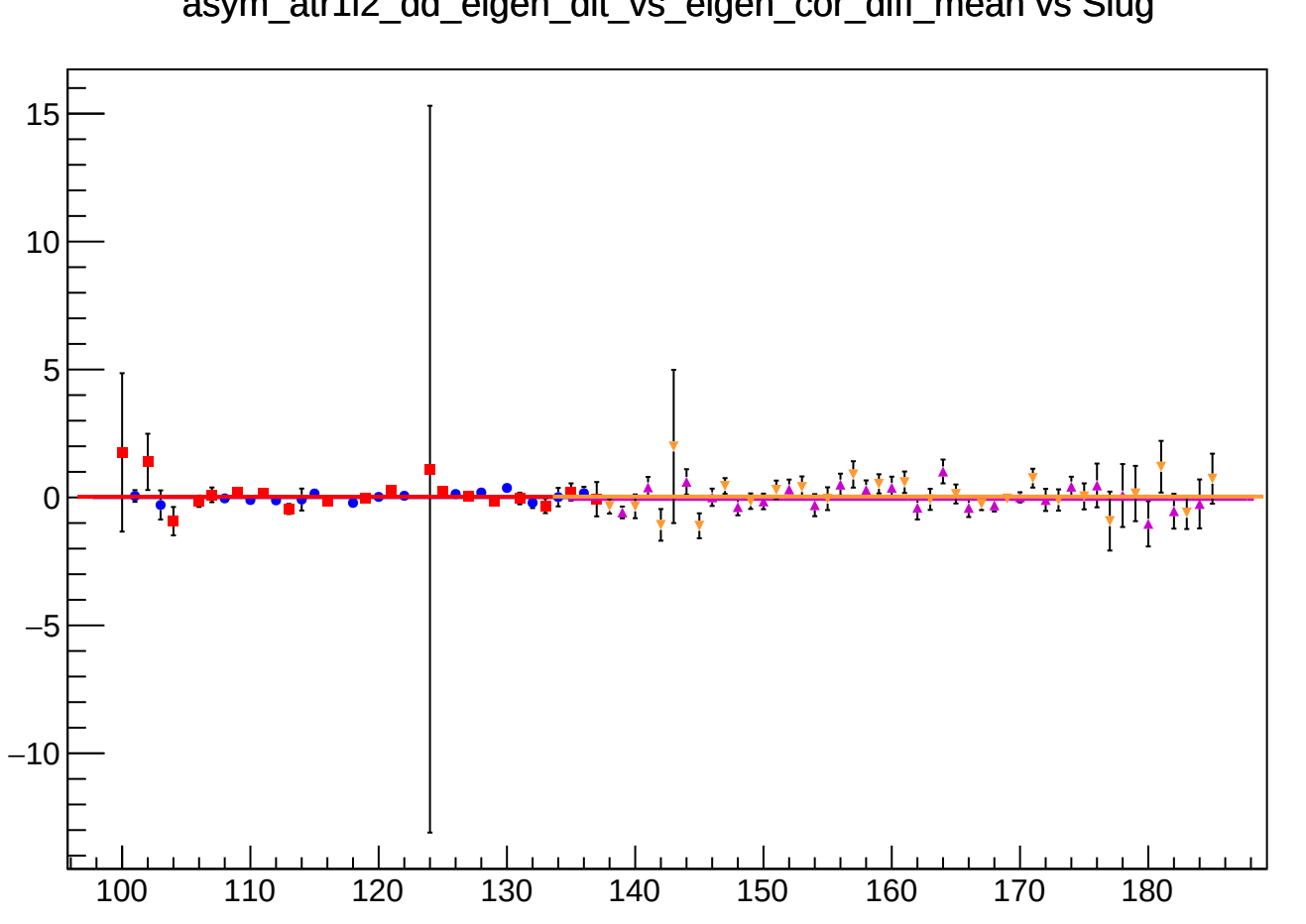
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 169.265+/-0.029 χ^2/NDF: 16831951.1/40

All: 166.310+/-0.020 χ^2/NDF: 32796631.0/82

- 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: 0.034+/-0.078 χ^2/NDF:30.5/24

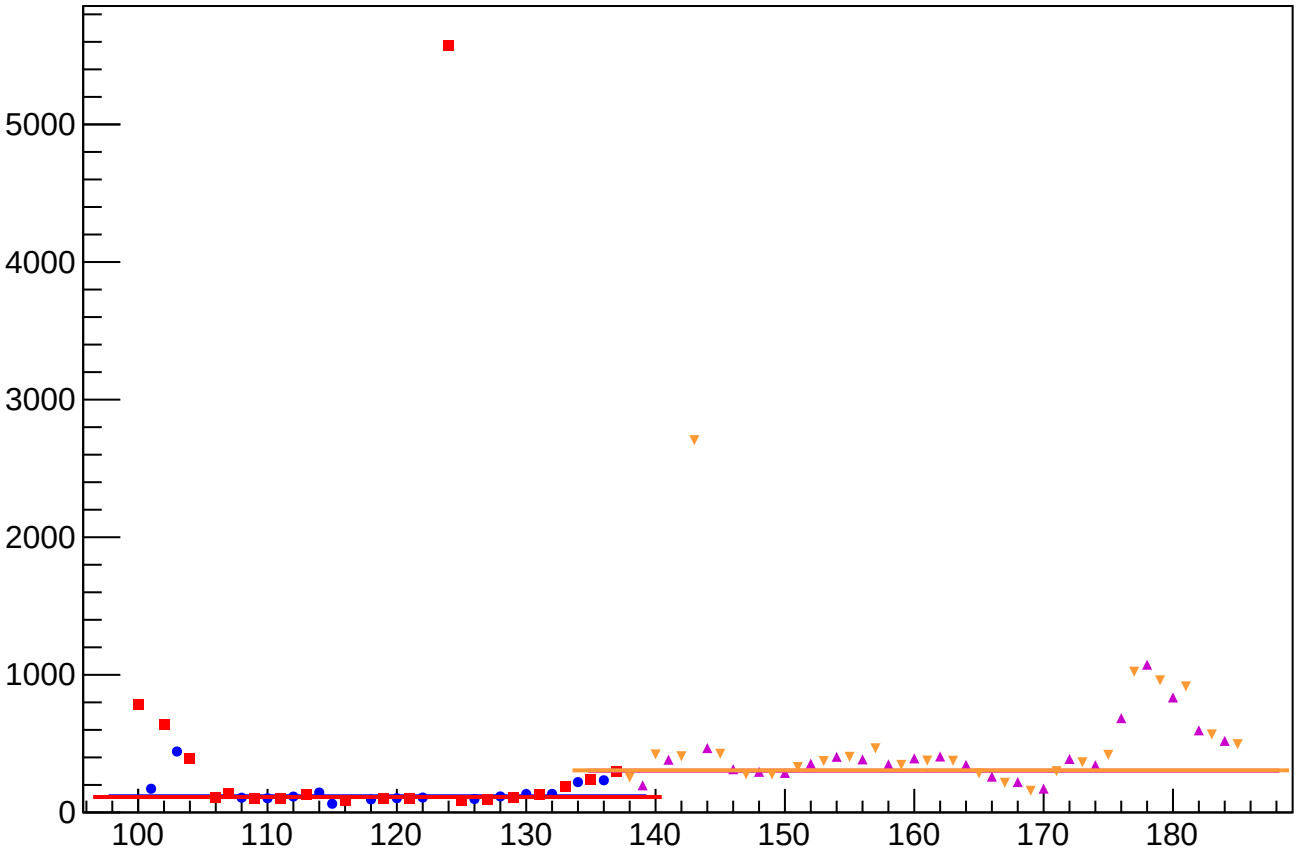
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.020+/-0.041 χ^2/NDF: 42.3/40

All: 0.012+/-0.029 χ^2/NDF: 91.3/82

- 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: 305.951+/-0.055 χ^2/NDF:6634999.6/24

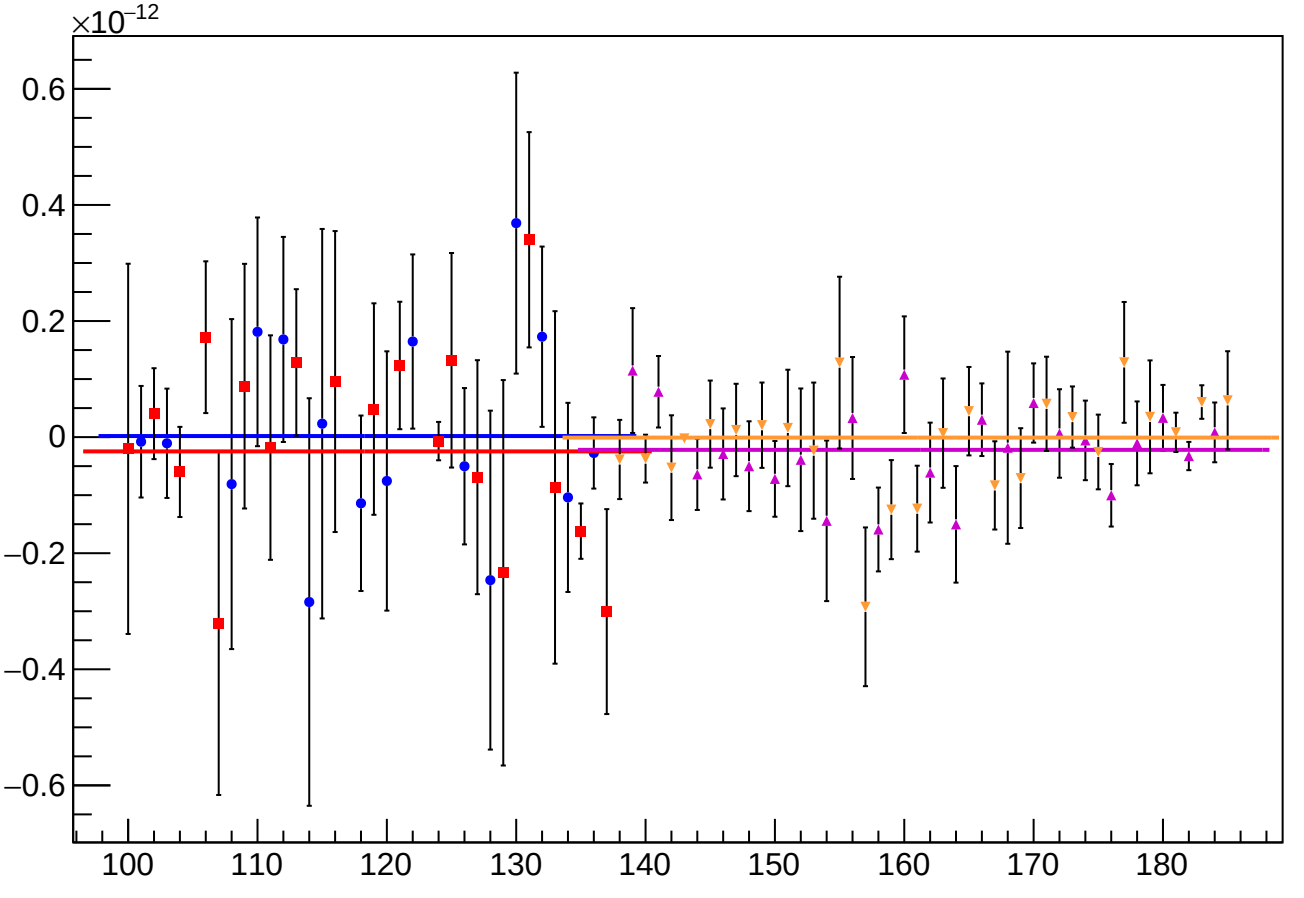
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 169.265+/-0.029 χ^2/NDF: 16831951.1/40

All: 166.310+/-0.020 χ^2/NDF: 32796631.0/82

- 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:22.0/24

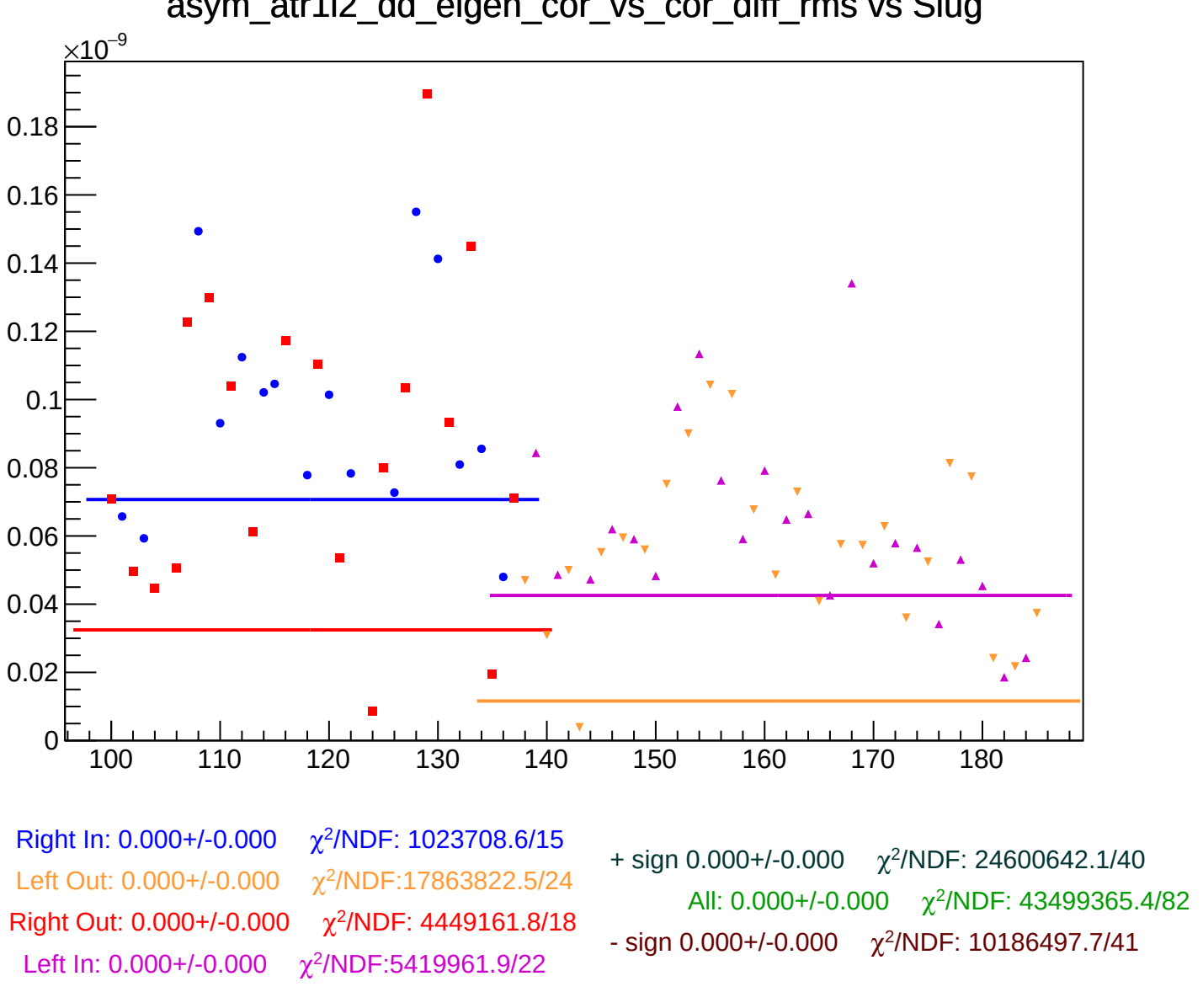
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

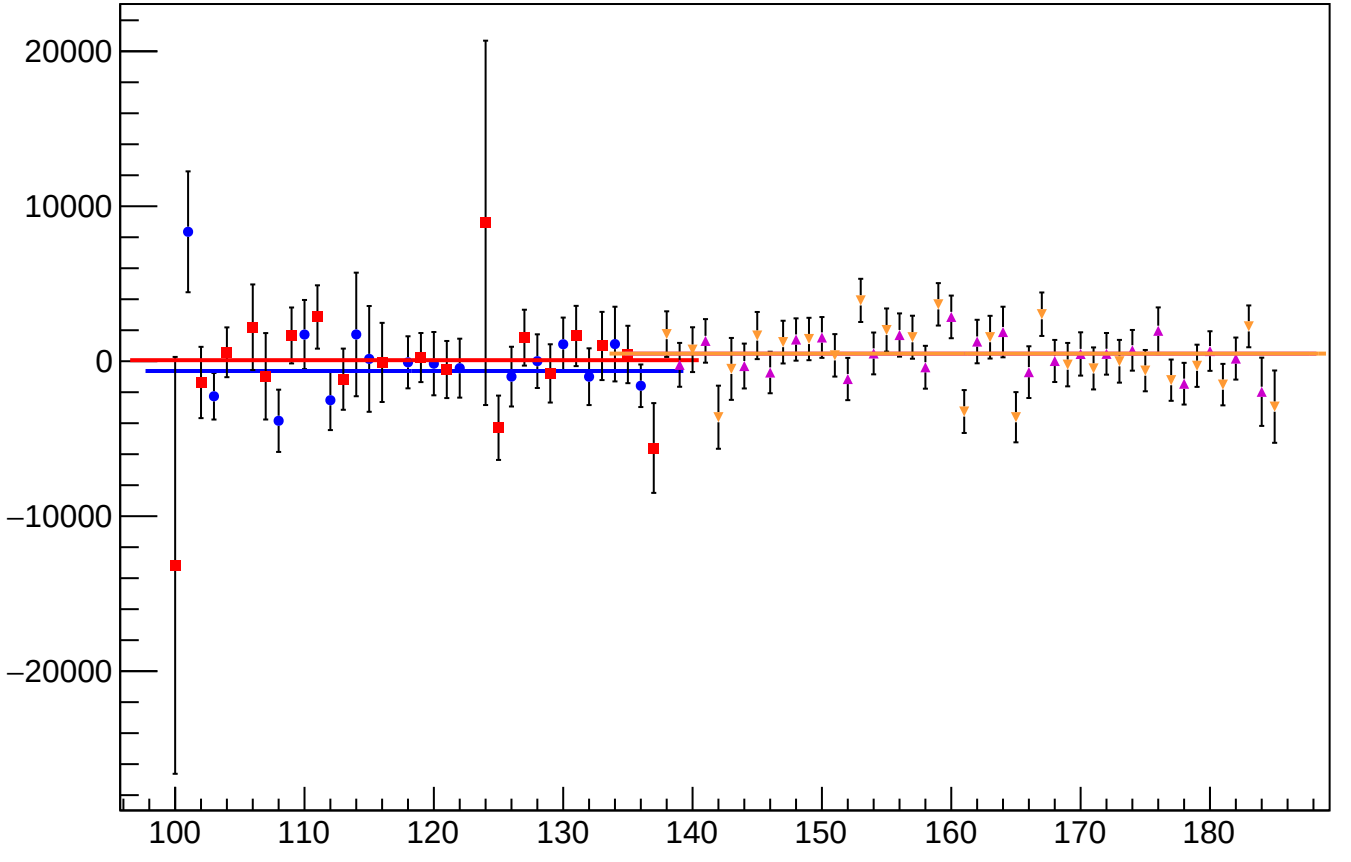
+ sign -0.000+/-0.000 χ^2/NDF: 31.1/40

All: -0.000+/-0.000 χ^2/NDF: 77.9/82

- 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:17863822.5/24
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: 24600642.1/40
All: 0.000+/-0.000 χ²/NDF: 43499365.4/82
- 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: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

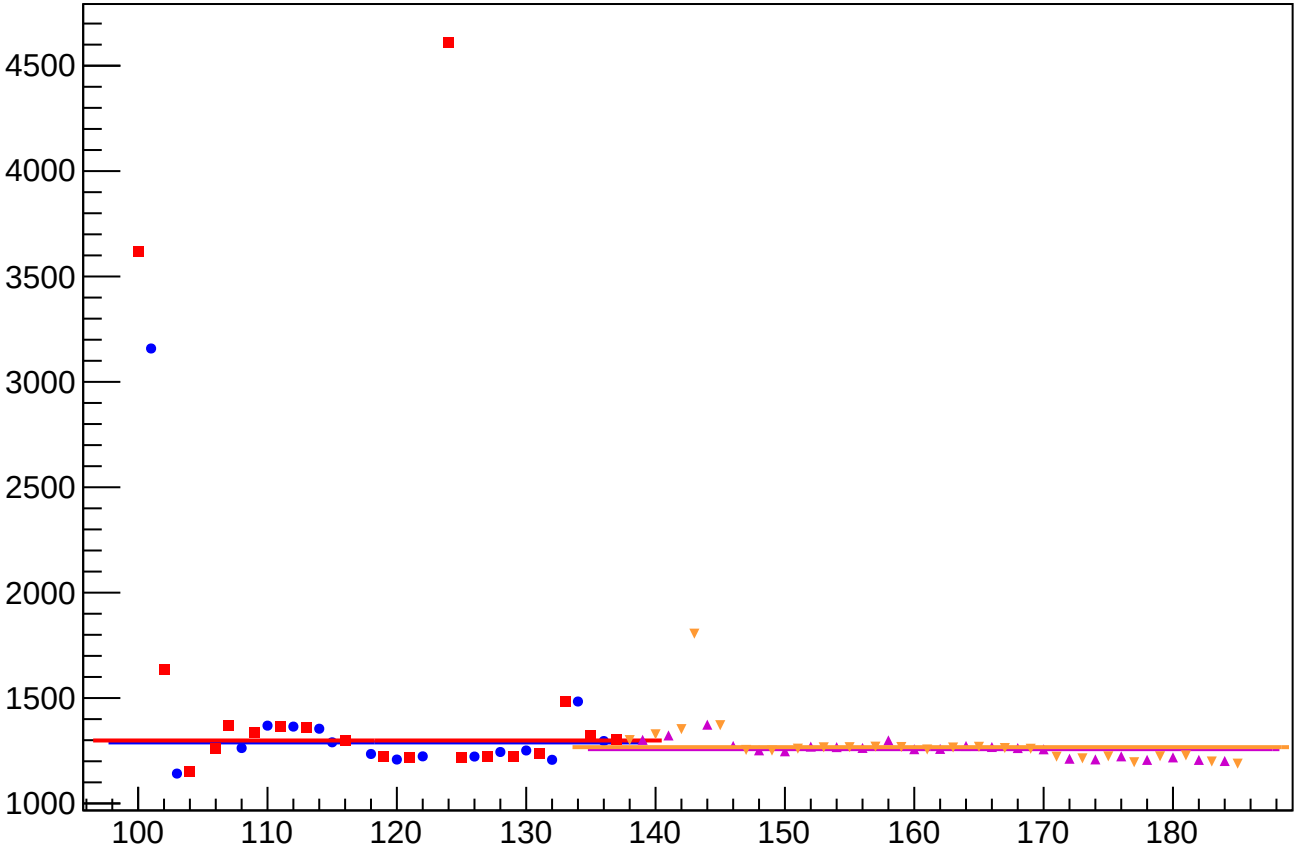
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 201.785+/-248.431 χ^2/NDF: 64.7/40

All: 287.397+/-176.795 χ^2/NDF: 95.8/82

- 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: 1266.967+/-0.204 χ^2/NDF:187545.6/24

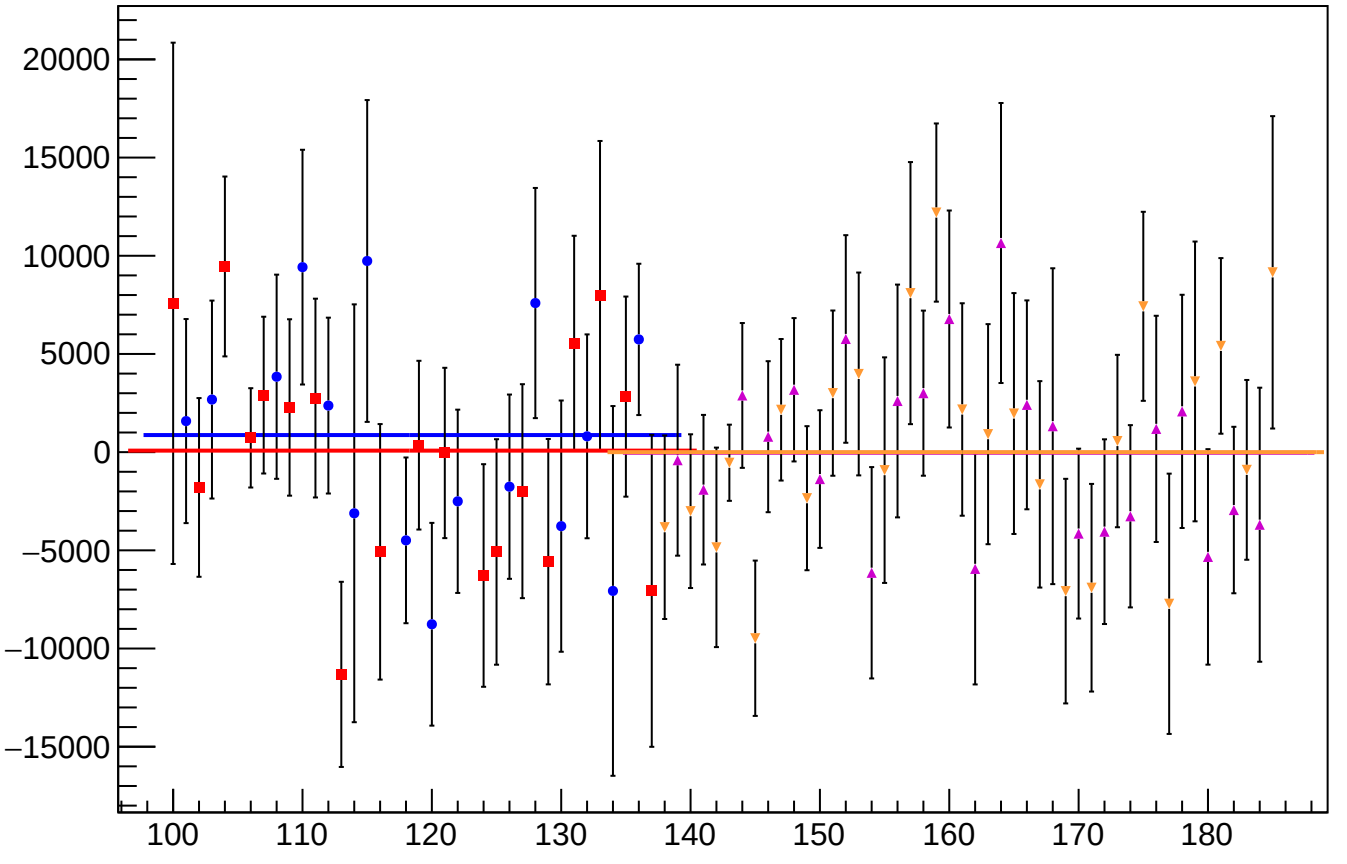
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.783+/-0.176 χ^2/NDF: 705364.5/40

All: 1270.685+/-0.125 χ^2/NDF: 1072307.3/82

- 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: -0.604+/-886.488 χ^2/NDF:29.1/24

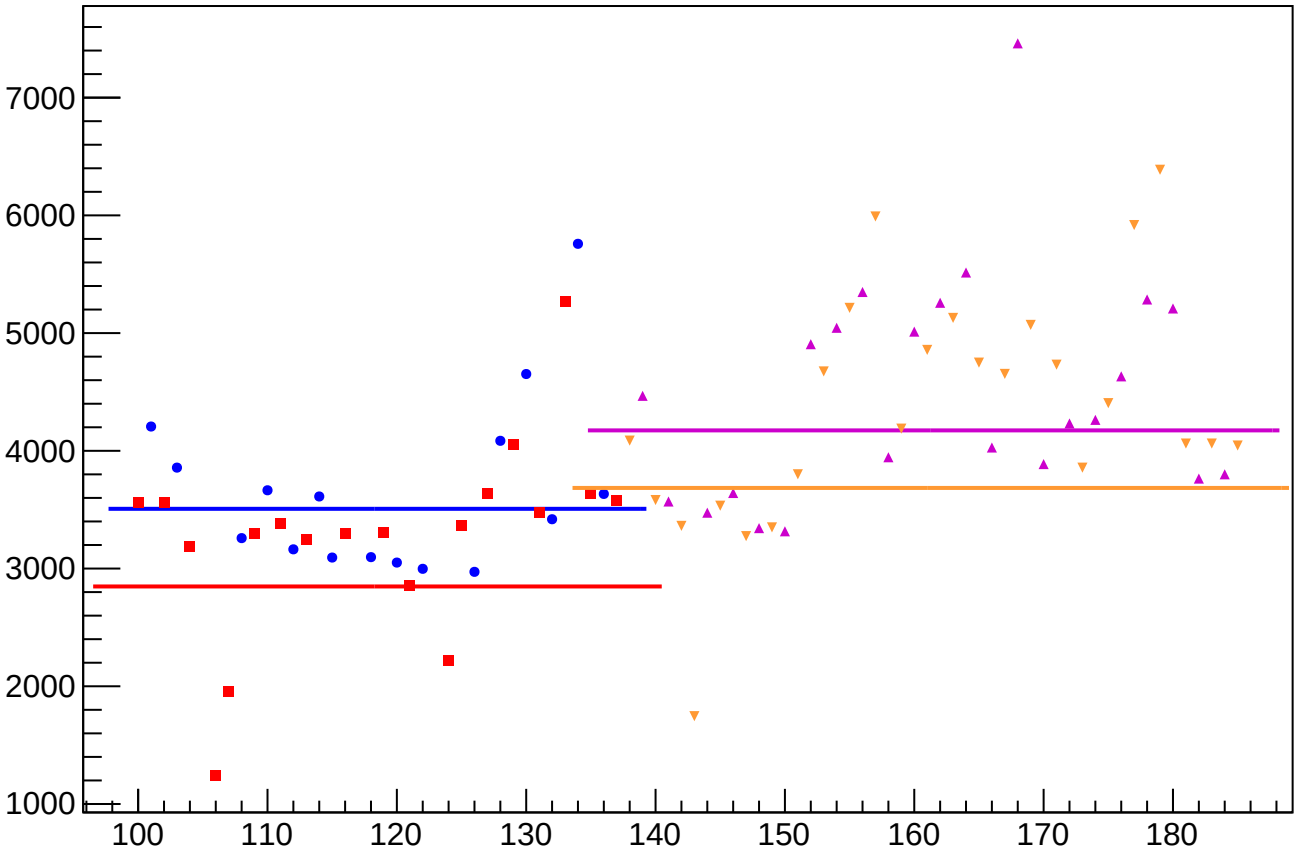
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 268.611+/-736.840 χ^2/NDF: 43.4/40

All: 143.526+/-522.618 χ^2/NDF: 75.9/82

- 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: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

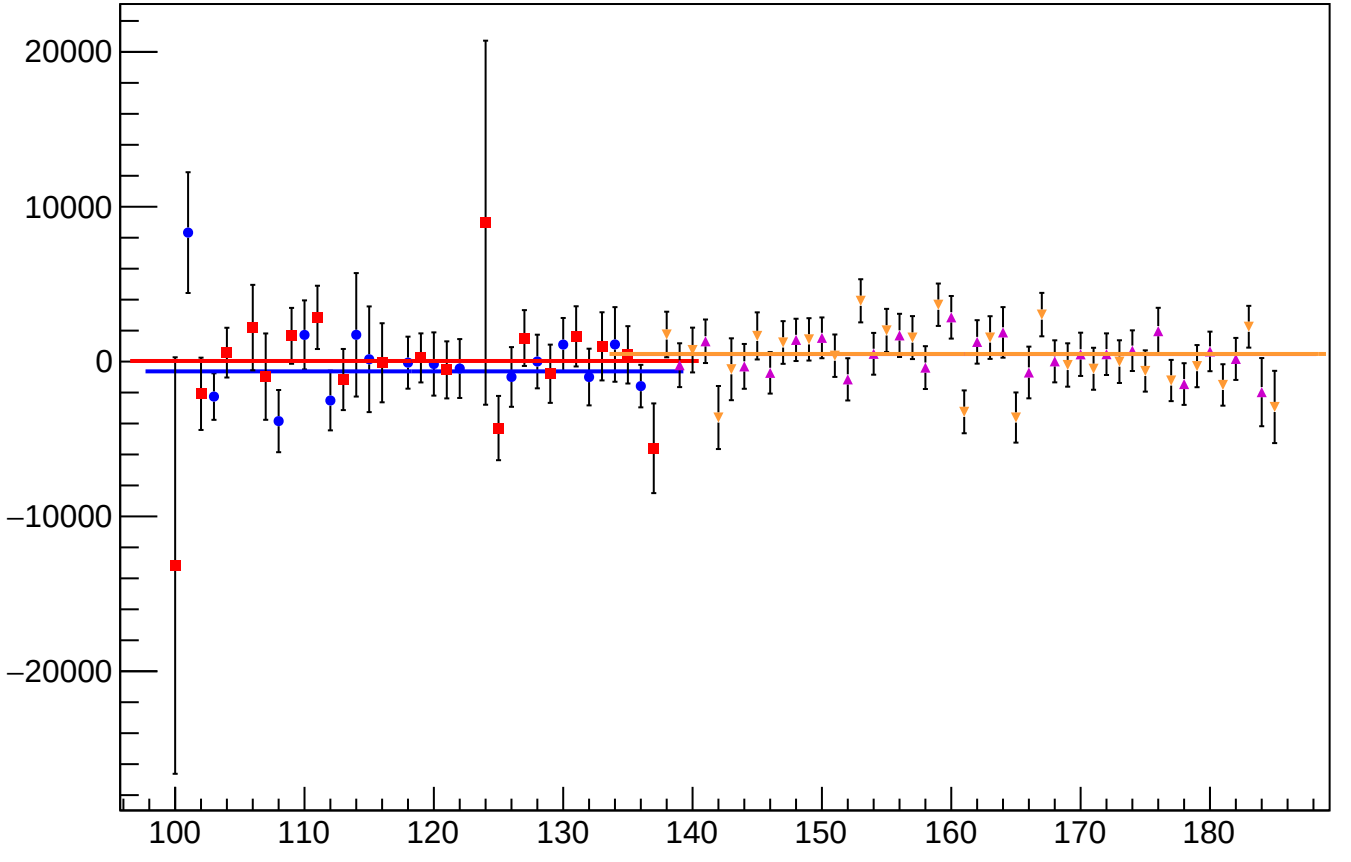
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3629.939+/-0.521 χ^2/NDF: 4072376.2/40

All: 3606.767+/-0.370 χ^2/NDF: 8430367.4/82

- 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: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

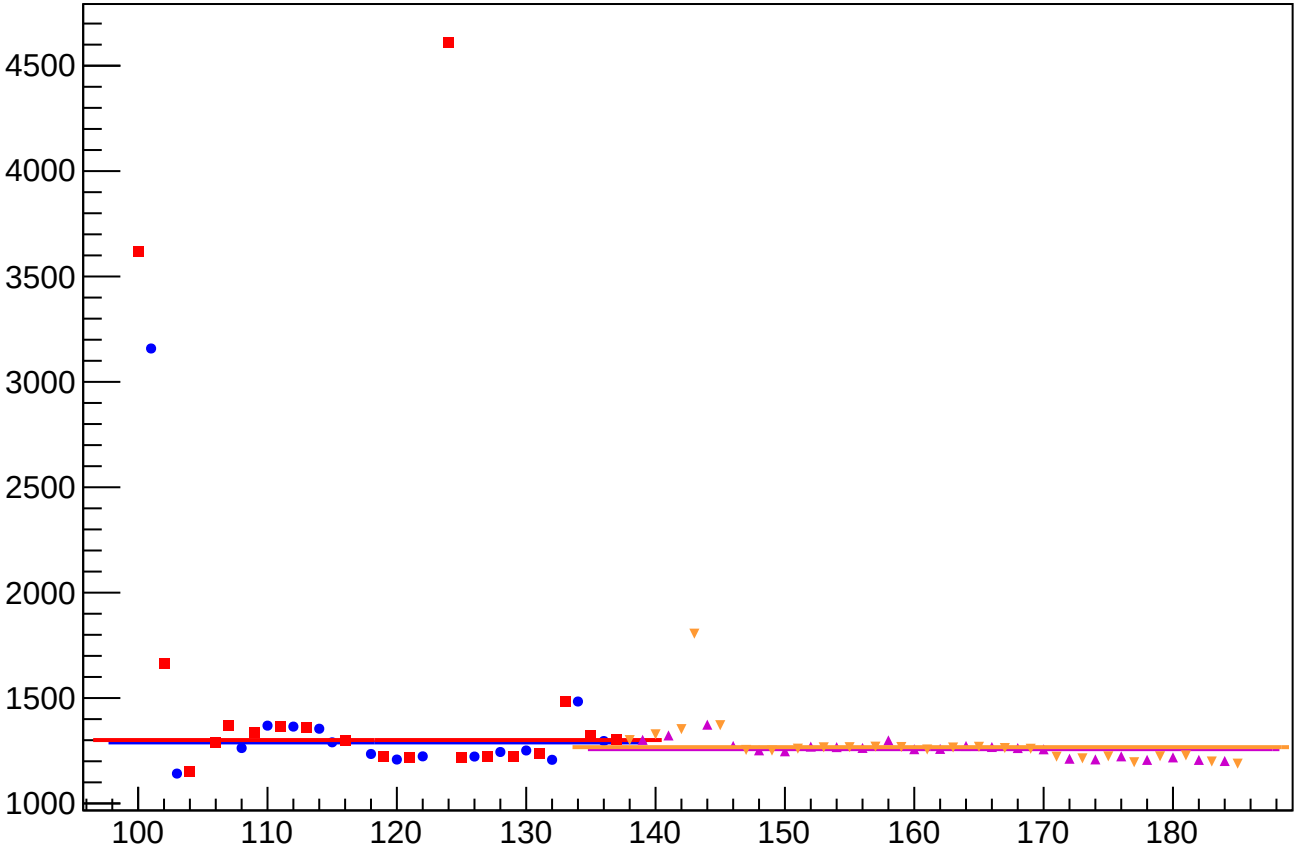
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 283.546+/-176.810 χ^2/NDF: 96.3/82

- 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: 1266.968+/-0.204 χ^2/NDF:187545.6/24

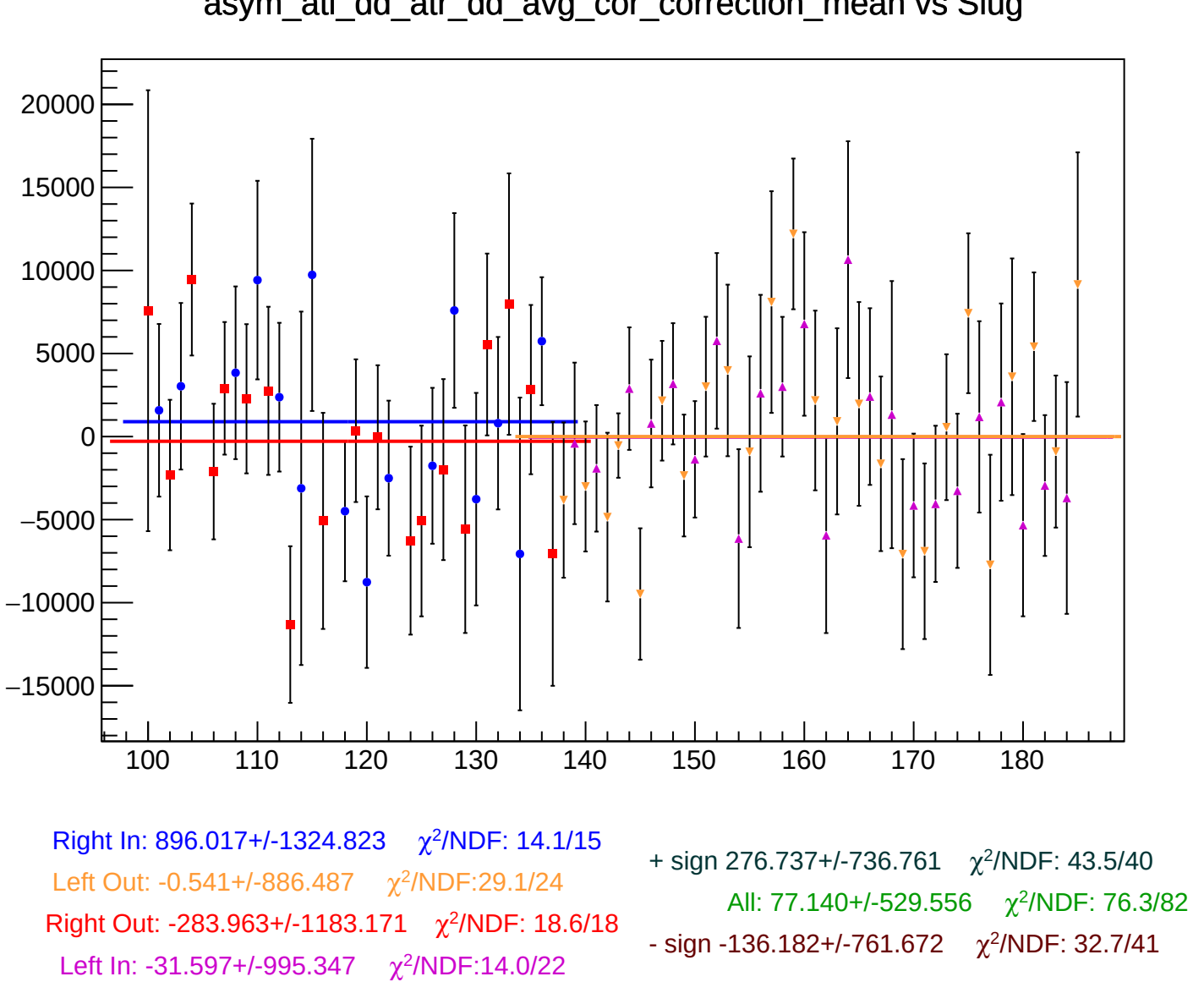
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

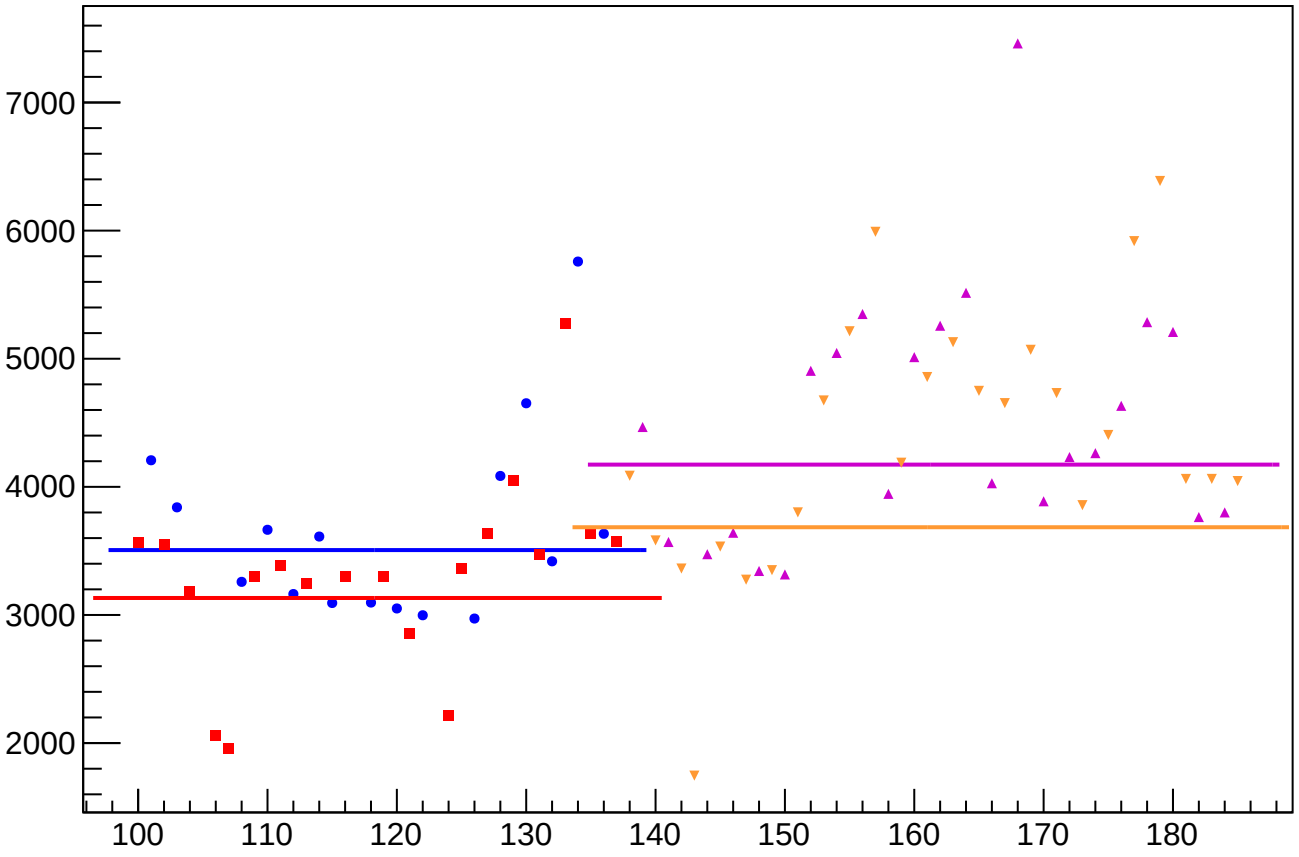
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1270.941+/-0.125 χ^2/NDF: 1079809.2/82

- sign 1269.053+/-0.178 χ^2/NDF: 374220.7/41


asym_atl_dd_atr_dd_avg_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: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 276.737+/-736.761 χ²/NDF: 43.5/40
All: 77.140+/-529.556 χ²/NDF: 76.3/82
- sign -136.182+/-761.672 χ²/NDF: 32.7/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

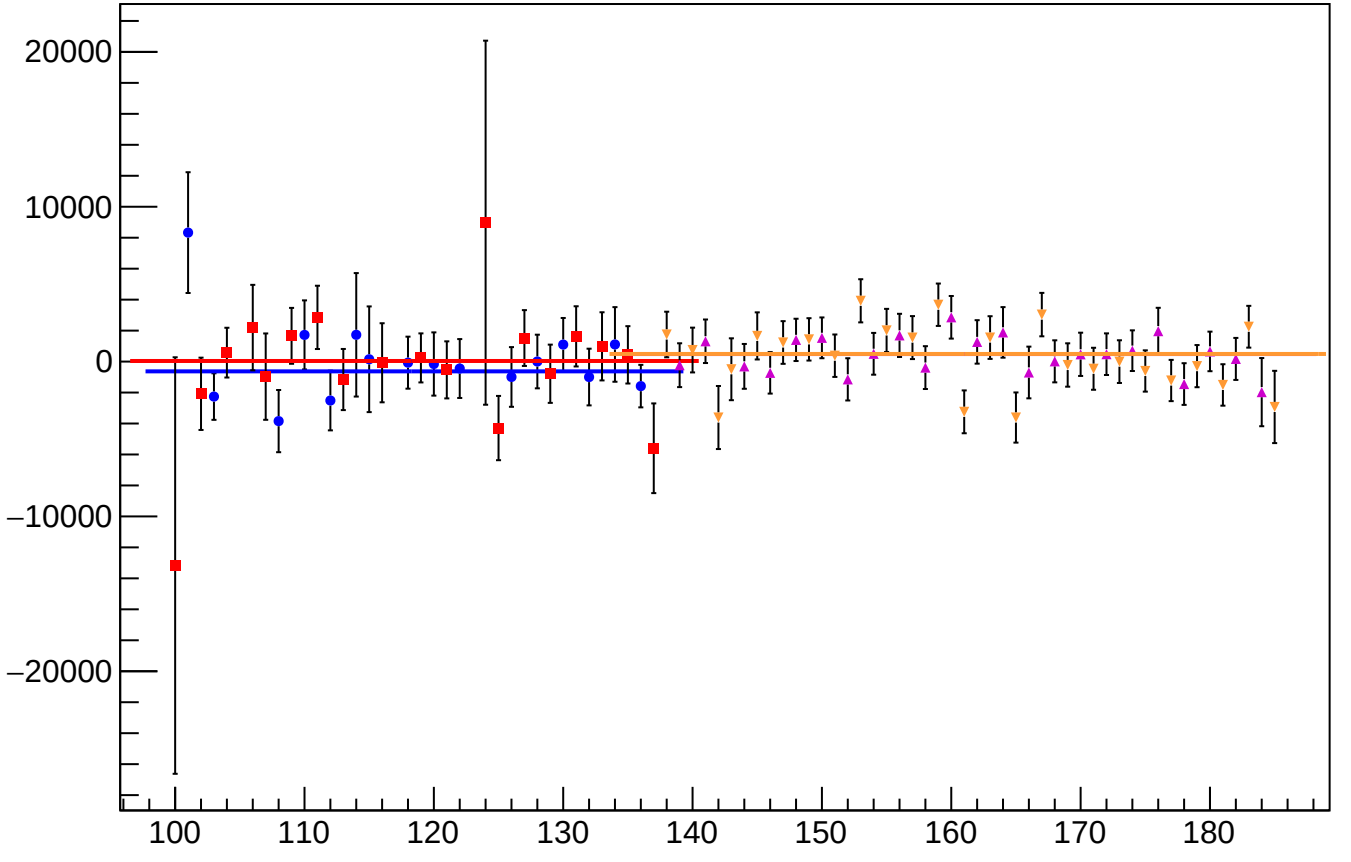
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3684.020+/-0.374 χ^2/NDF: 6925623.0/82

- 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: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

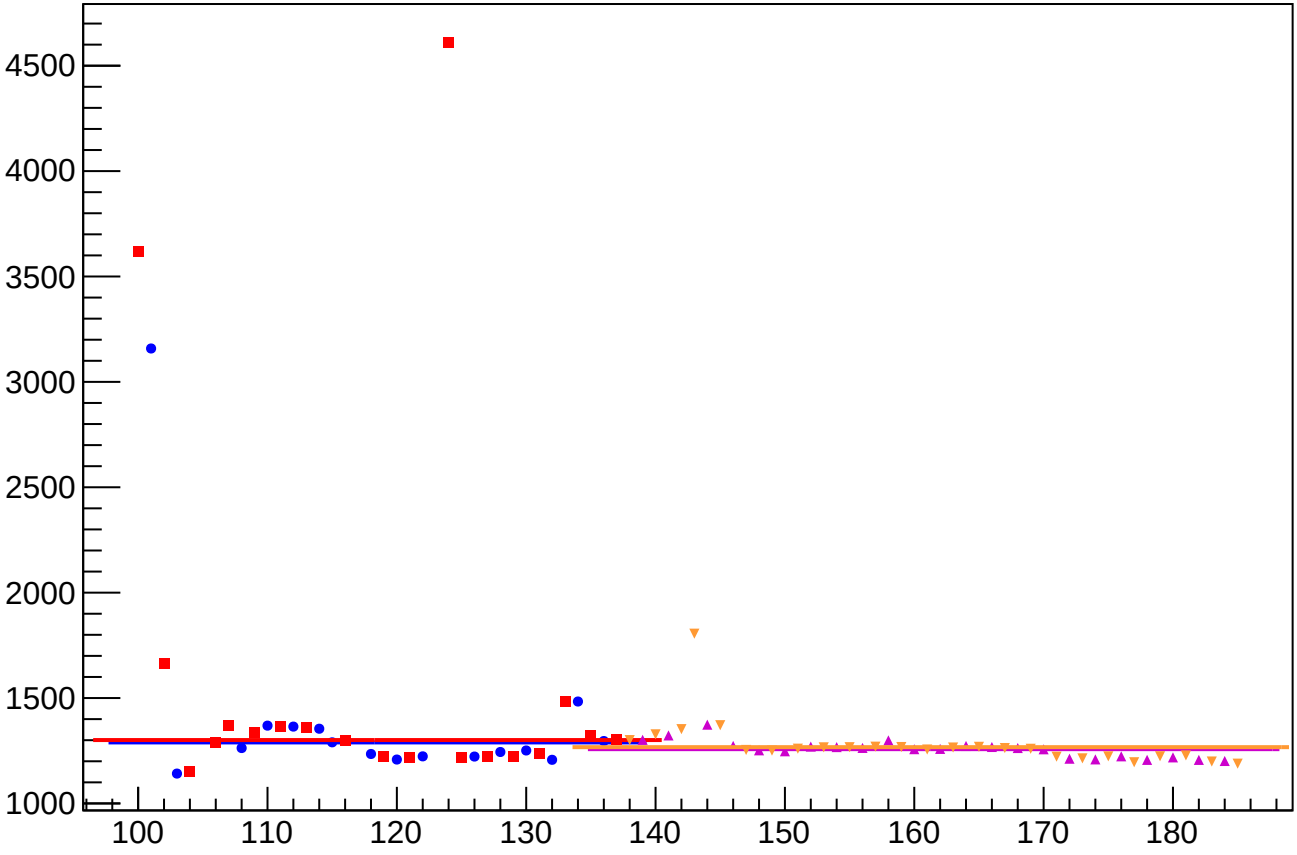
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 283.546+/-176.810 χ^2/NDF: 96.3/82

- 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: 1266.968+/-0.204 χ^2/NDF:187545.6/24

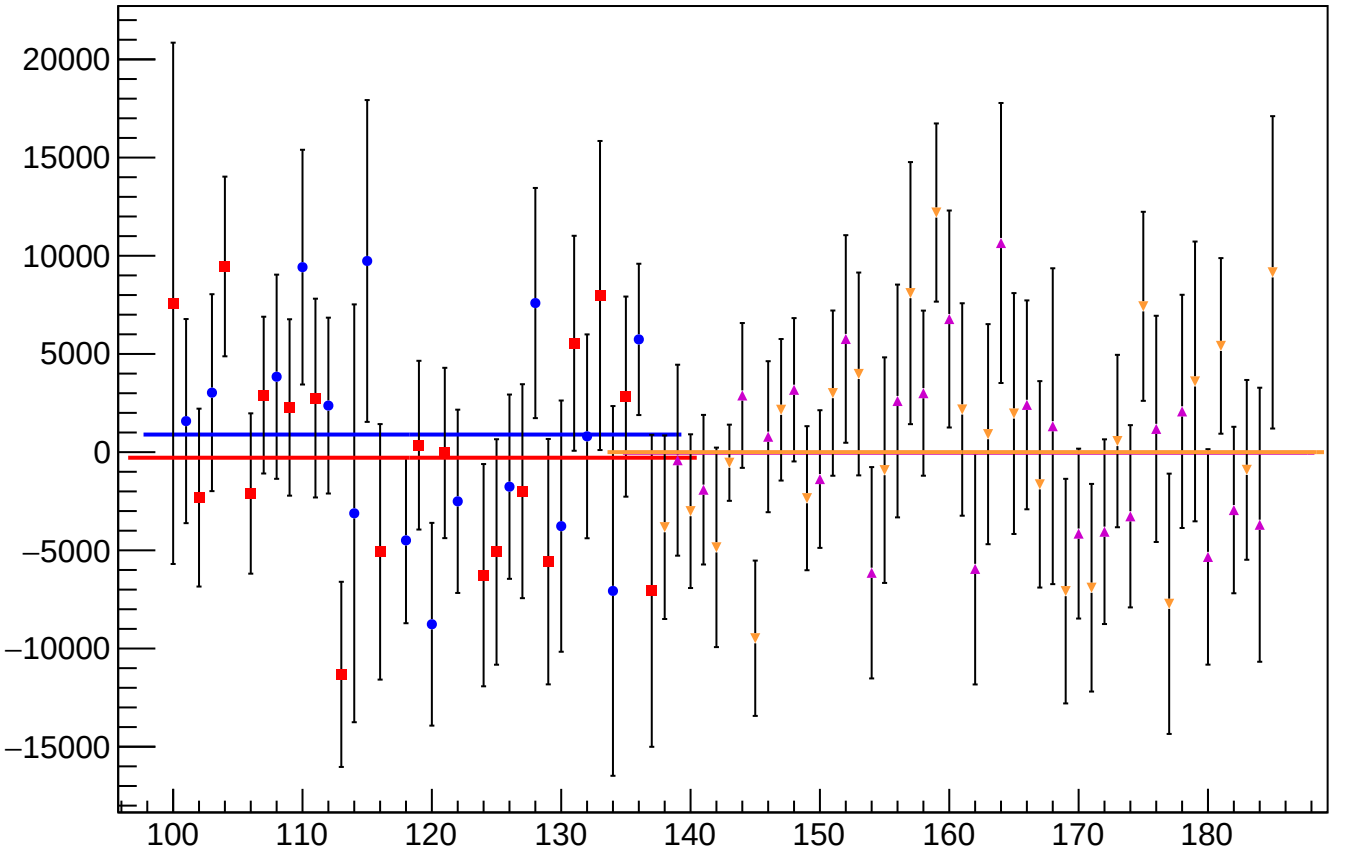
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1270.941+/-0.125 χ^2/NDF: 1079809.2/82

- 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: -0.541+/-886.487 χ^2/NDF:29.1/24

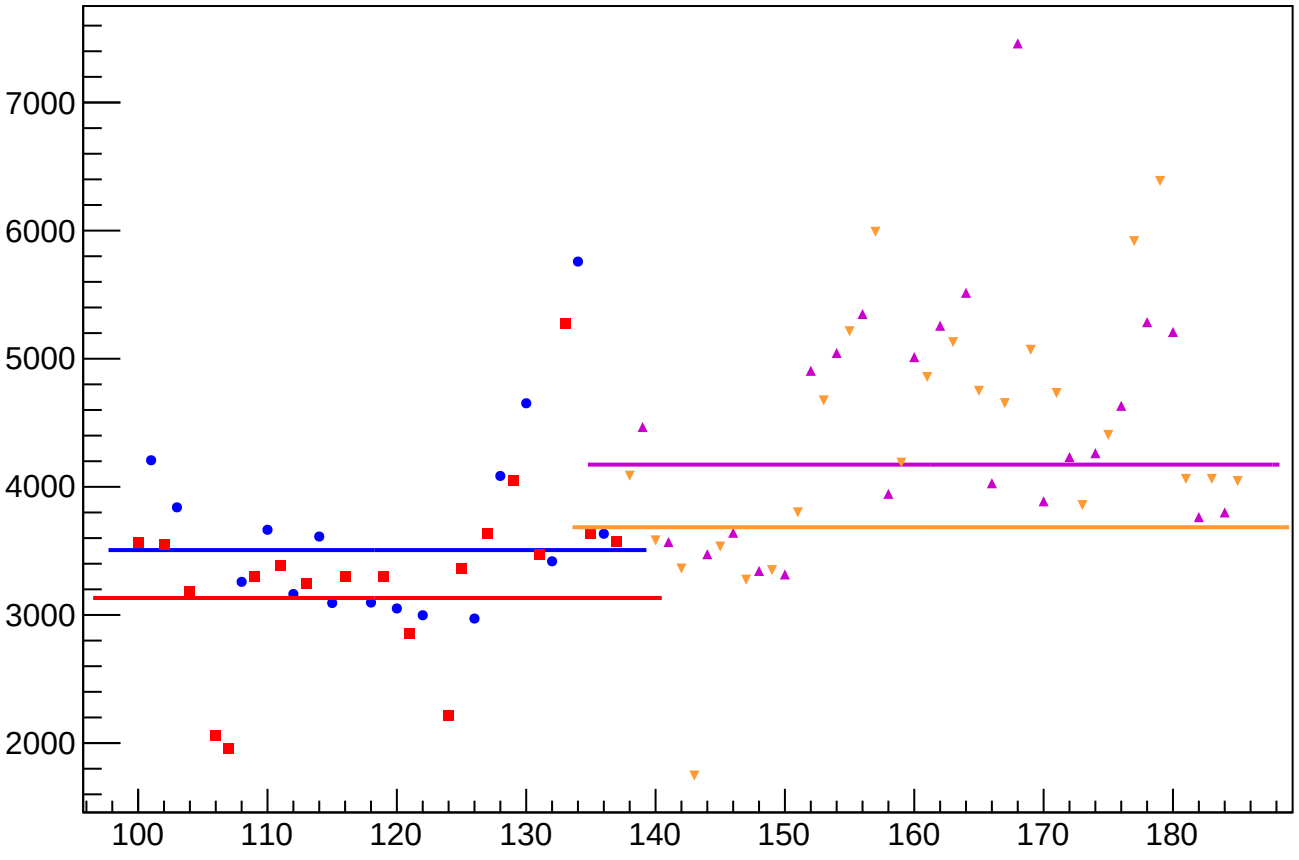
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 276.737+/-736.761 χ^2/NDF: 43.5/40

All: 77.140+/-529.556 χ^2/NDF: 76.3/82

- 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: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

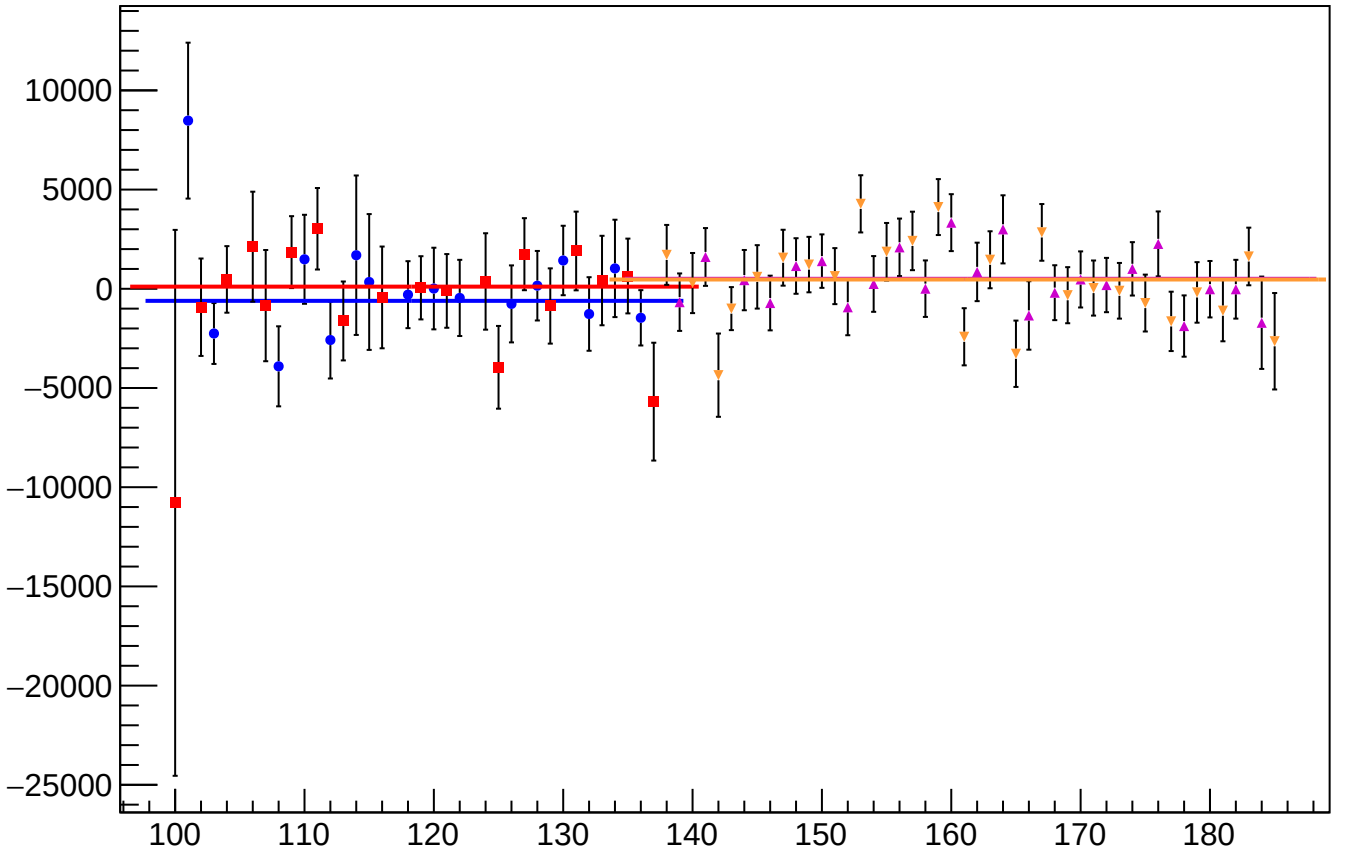
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3684.020+/-0.374 χ^2/NDF: 6925623.0/82

- 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: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

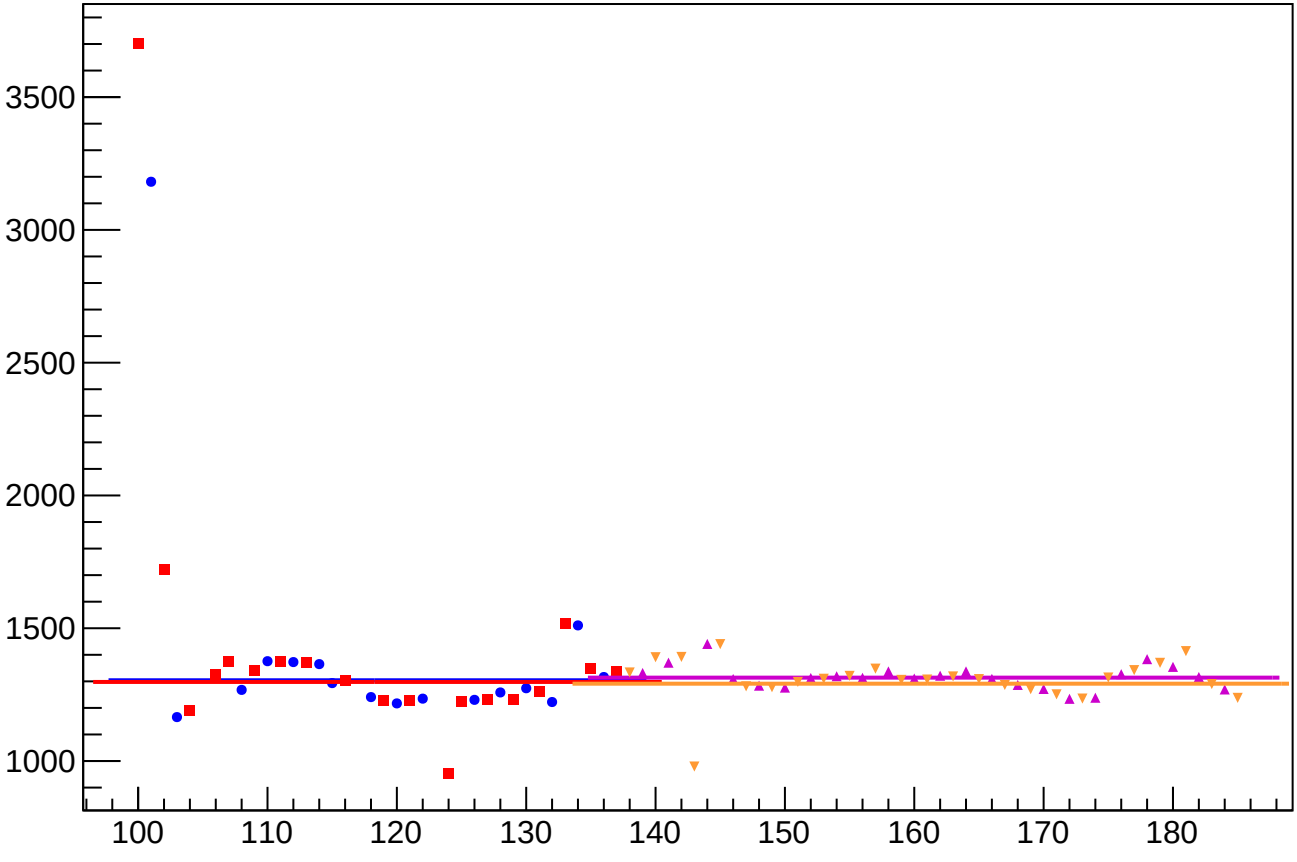
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 186.350+/-252.830 χ^2/NDF: 61.7/40

All: 285.876+/-181.096 χ^2/NDF: 94.8/82

- 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: 1291.211+/-0.208 χ^2/NDF:230735.1/24

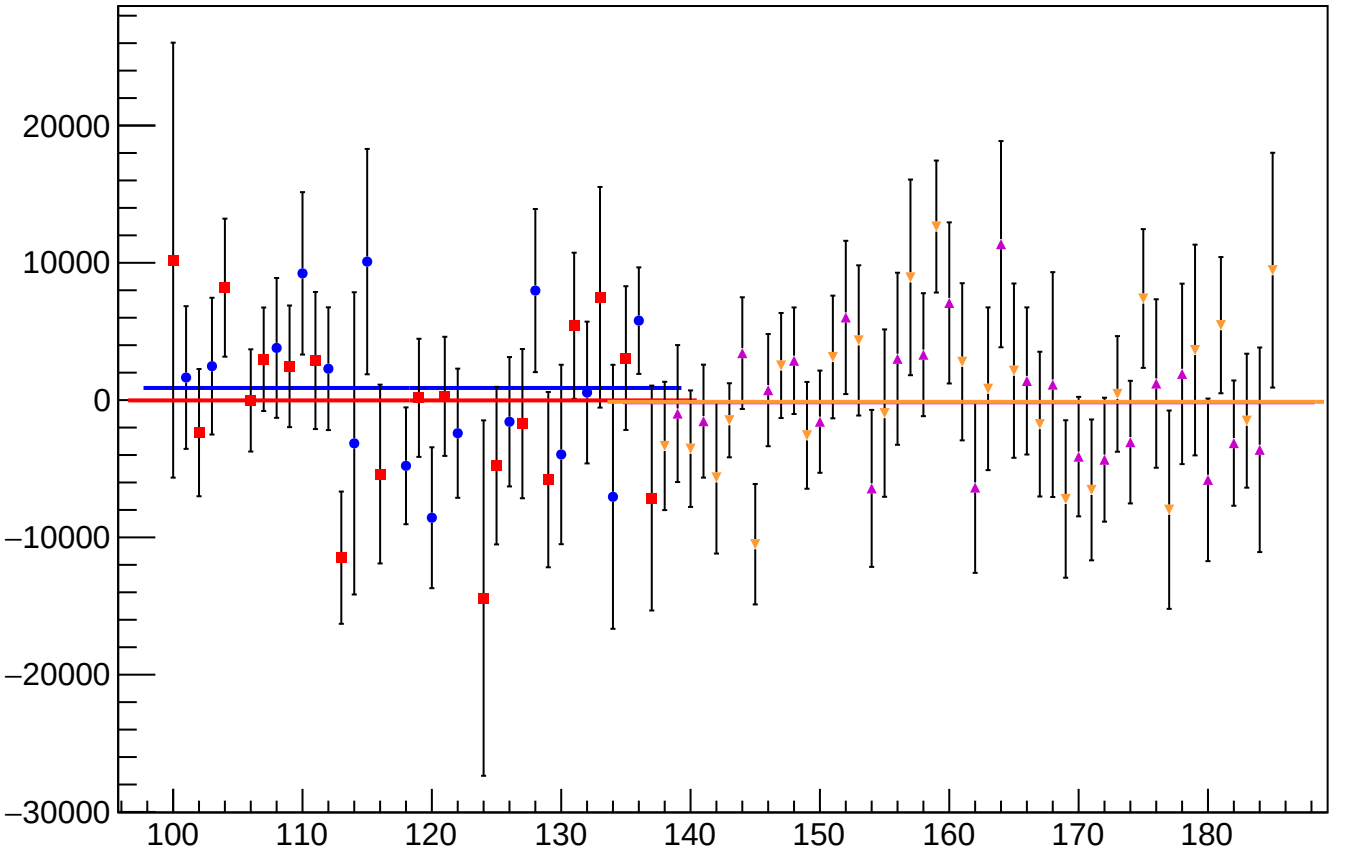
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.585+/-0.179 χ^2/NDF: 742329.3/40

All: 1301.786+/-0.128 χ^2/NDF: 1003396.1/82

- 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: -127.273+/-977.231 χ^2/NDF:28.6/24

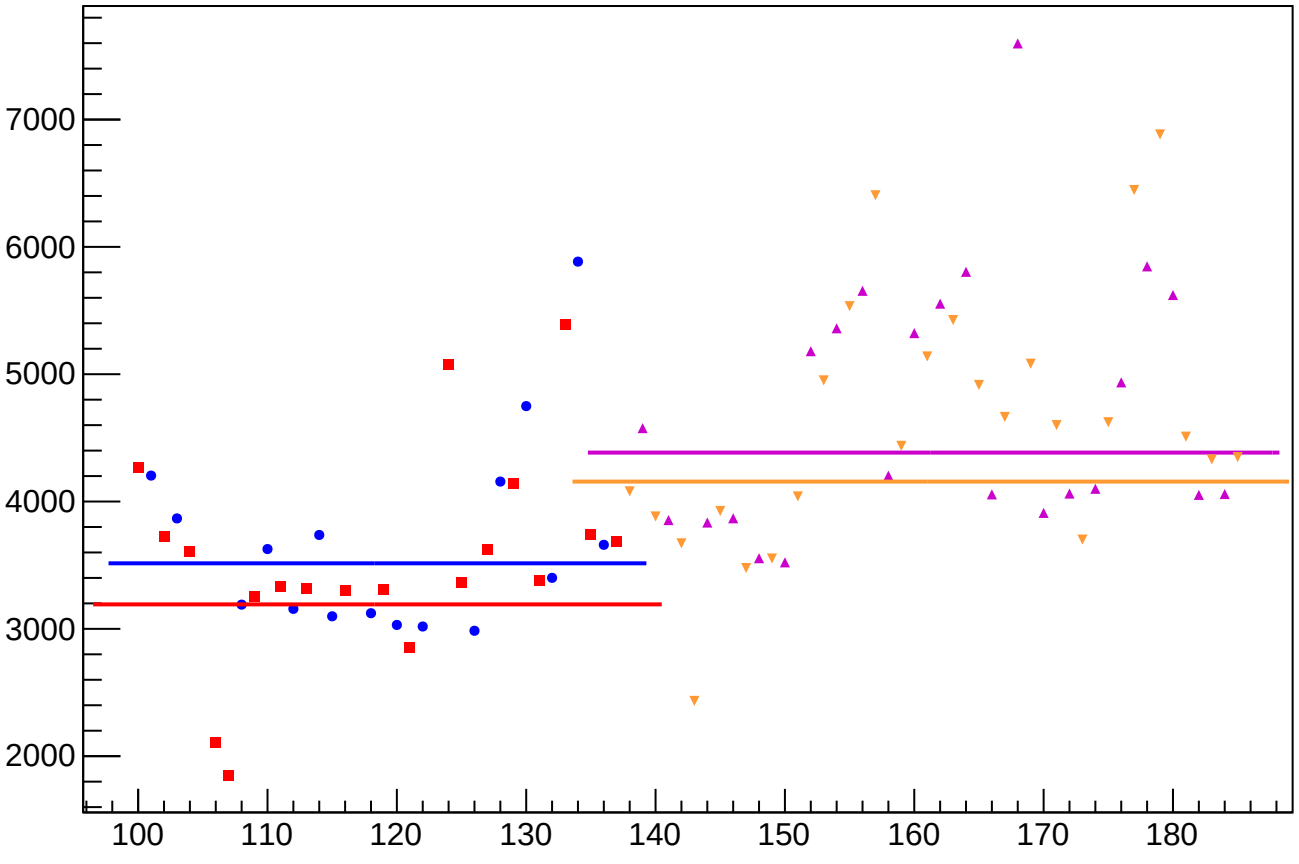
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: 64.589+/-556.937 χ^2/NDF: 73.8/82

- 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: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

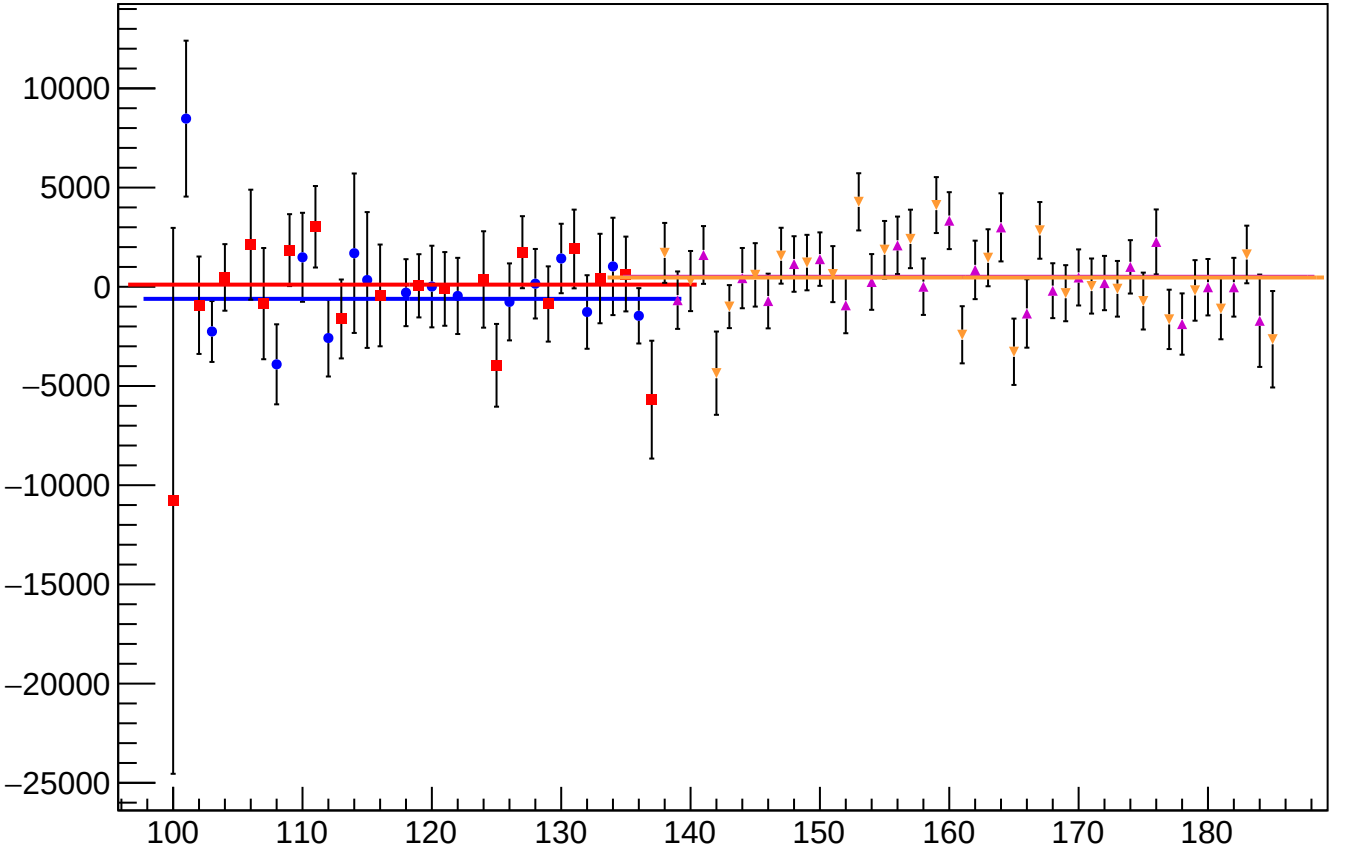
Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759089.8/40

All: 3900.494+/-0.394 χ^2/NDF: 5915121.8/82

- sign 3869.901+/-0.557 χ^2/NDF: 3150017.5/41

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

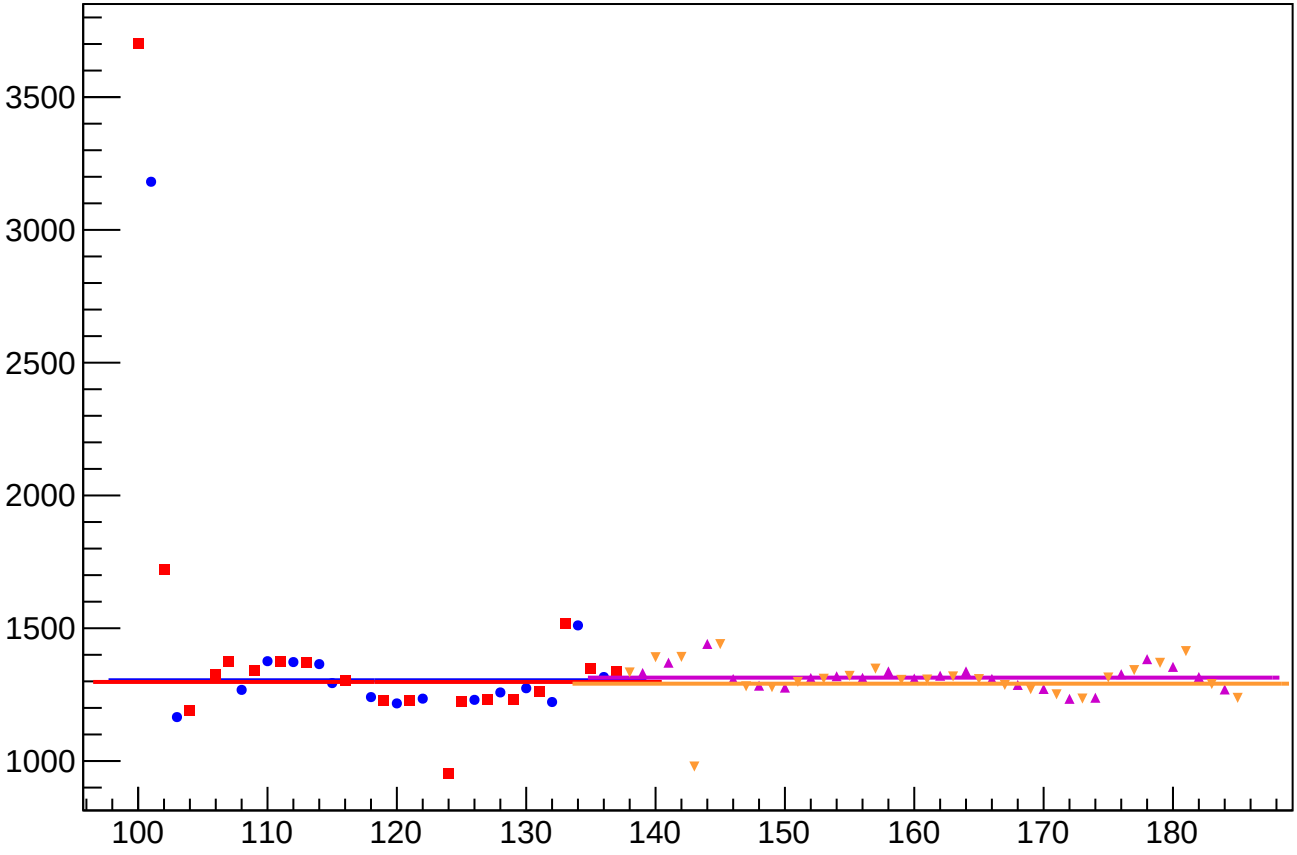
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 186.352+/-252.830 χ^2/NDF: 61.7/40

All: 285.877+/-181.096 χ^2/NDF: 94.8/82

- 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: 1291.212+/-0.208 χ^2/NDF:230737.6/24

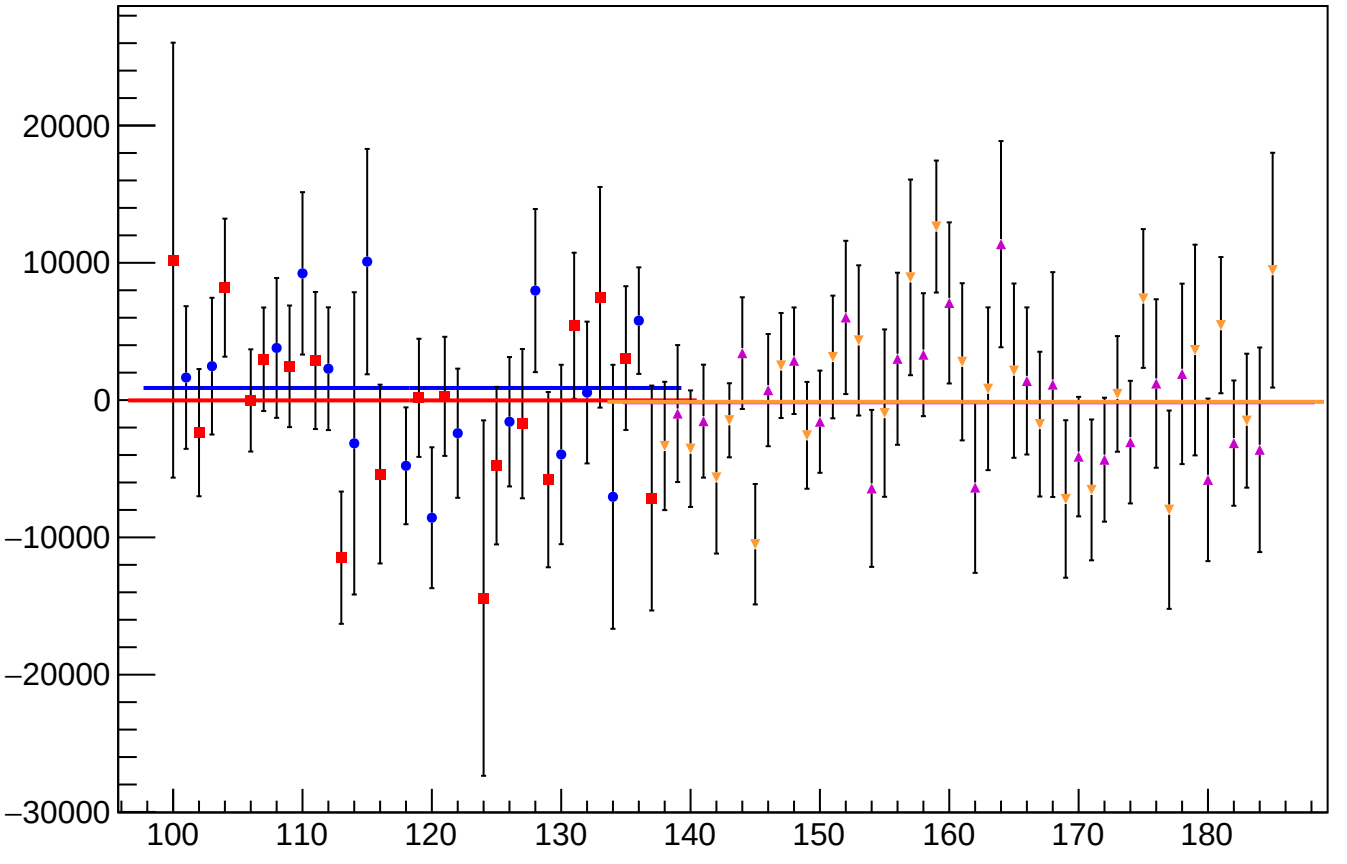
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.586+/-0.179 χ^2/NDF: 742331.8/40

All: 1301.787+/-0.128 χ^2/NDF: 1003401.0/82

- 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: -127.271+/-977.232 χ^2/NDF:28.6/24

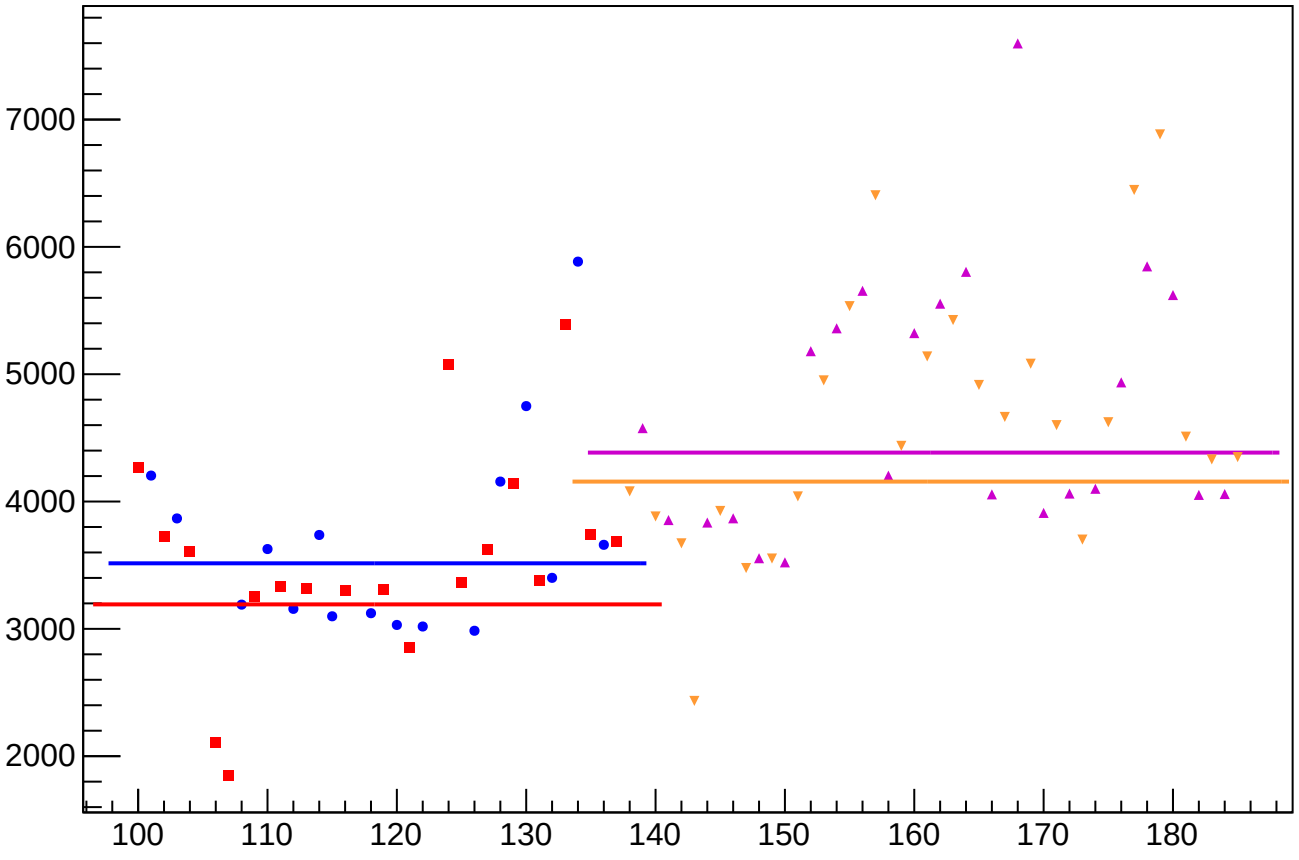
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: 64.589+/-556.937 χ^2/NDF: 73.8/82

- 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: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

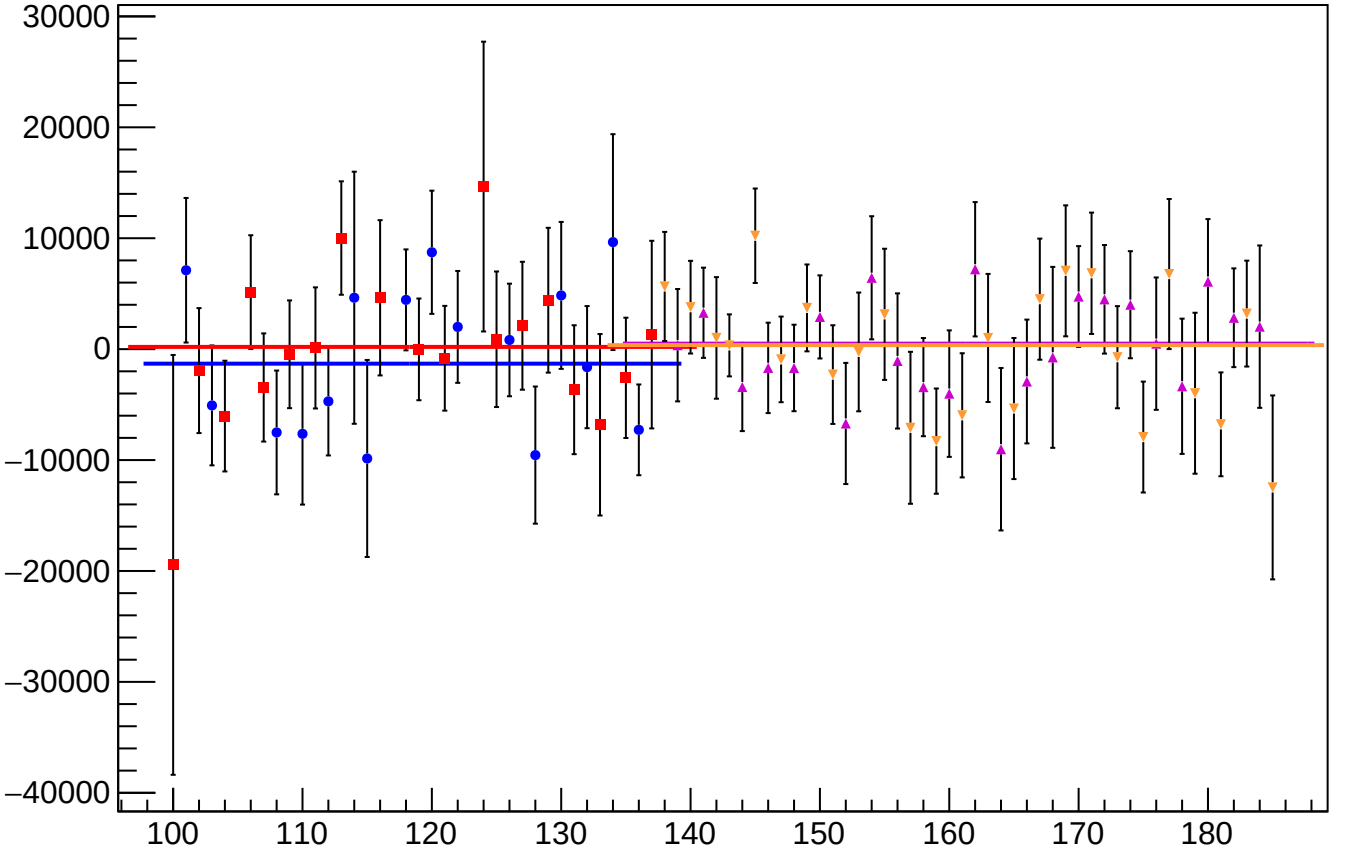
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759112.2/40

All: 3900.493+/-0.394 χ^2/NDF: 5915179.8/82

- 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: 362.528+/-979.860 χ^2/NDF:27.7/24

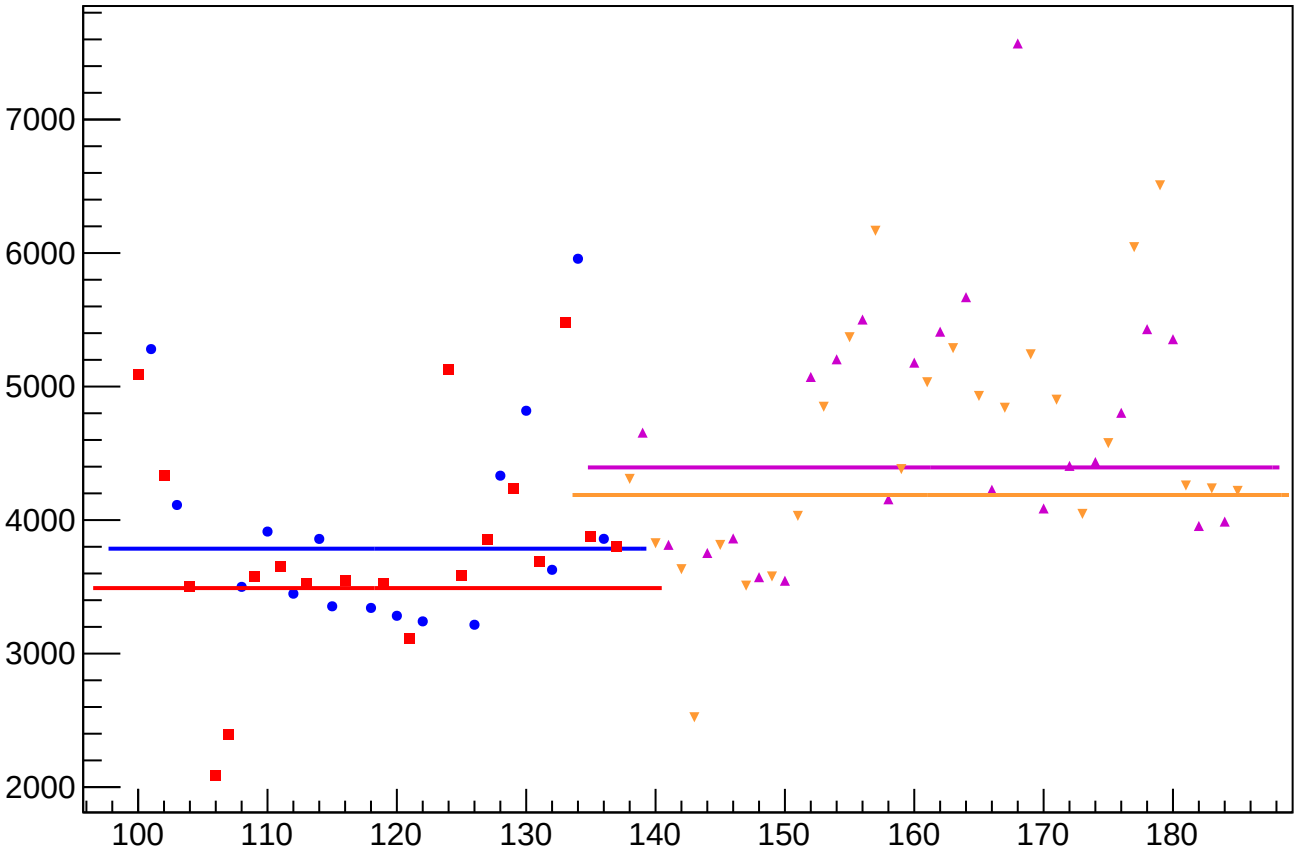
Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -170.823+/-808.599 χ^2/NDF: 46.2/40

All: 102.306+/-576.784 χ^2/NDF: 71.9/82

- sign 385.239+/-822.983 χ^2/NDF: 25.6/41



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

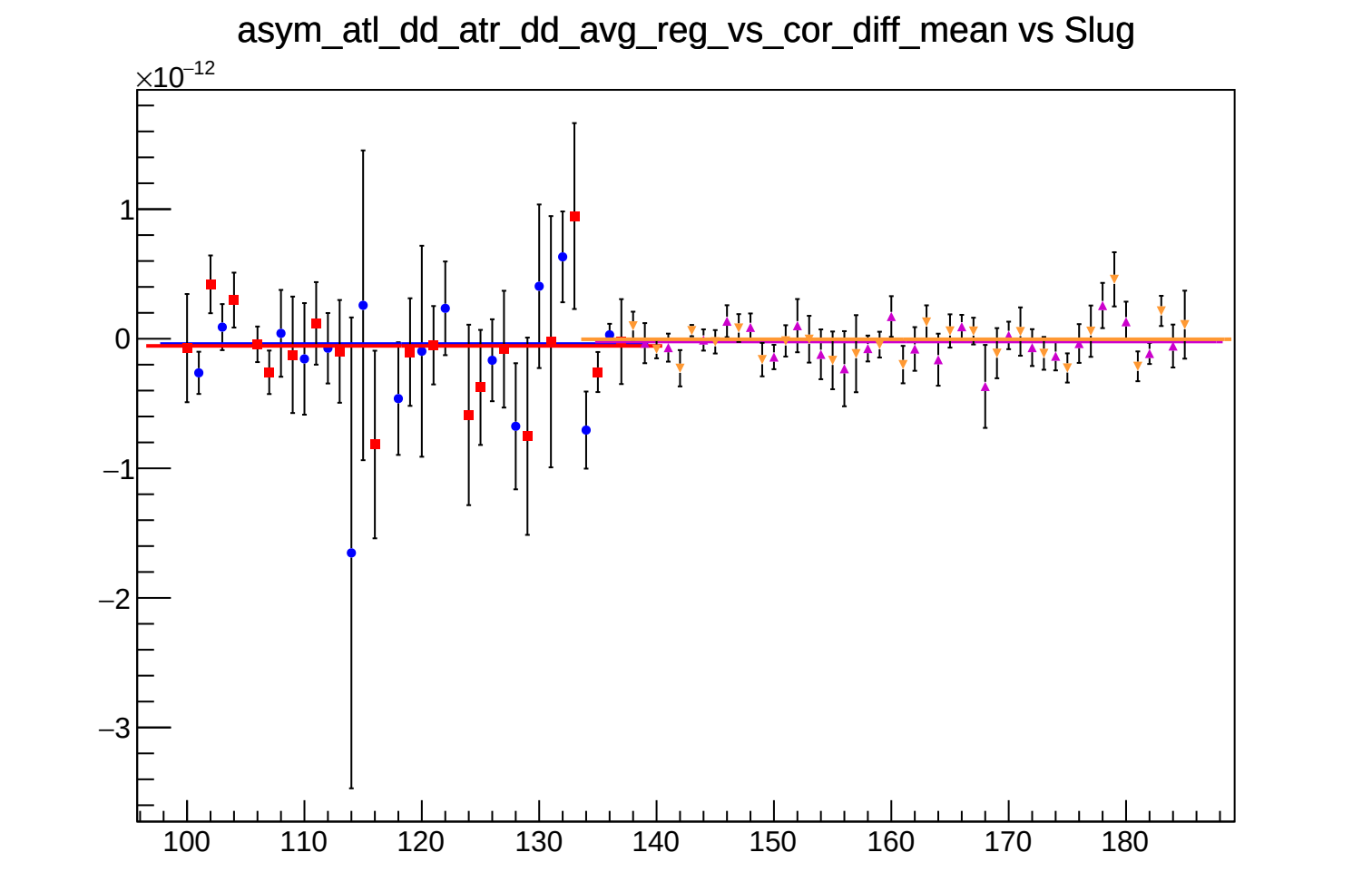
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4059.579+/-0.572 χ^2/NDF: 2286769.5/40

All: 4052.662+/-0.407 χ^2/NDF: 4539724.5/82

- 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:30.5/24

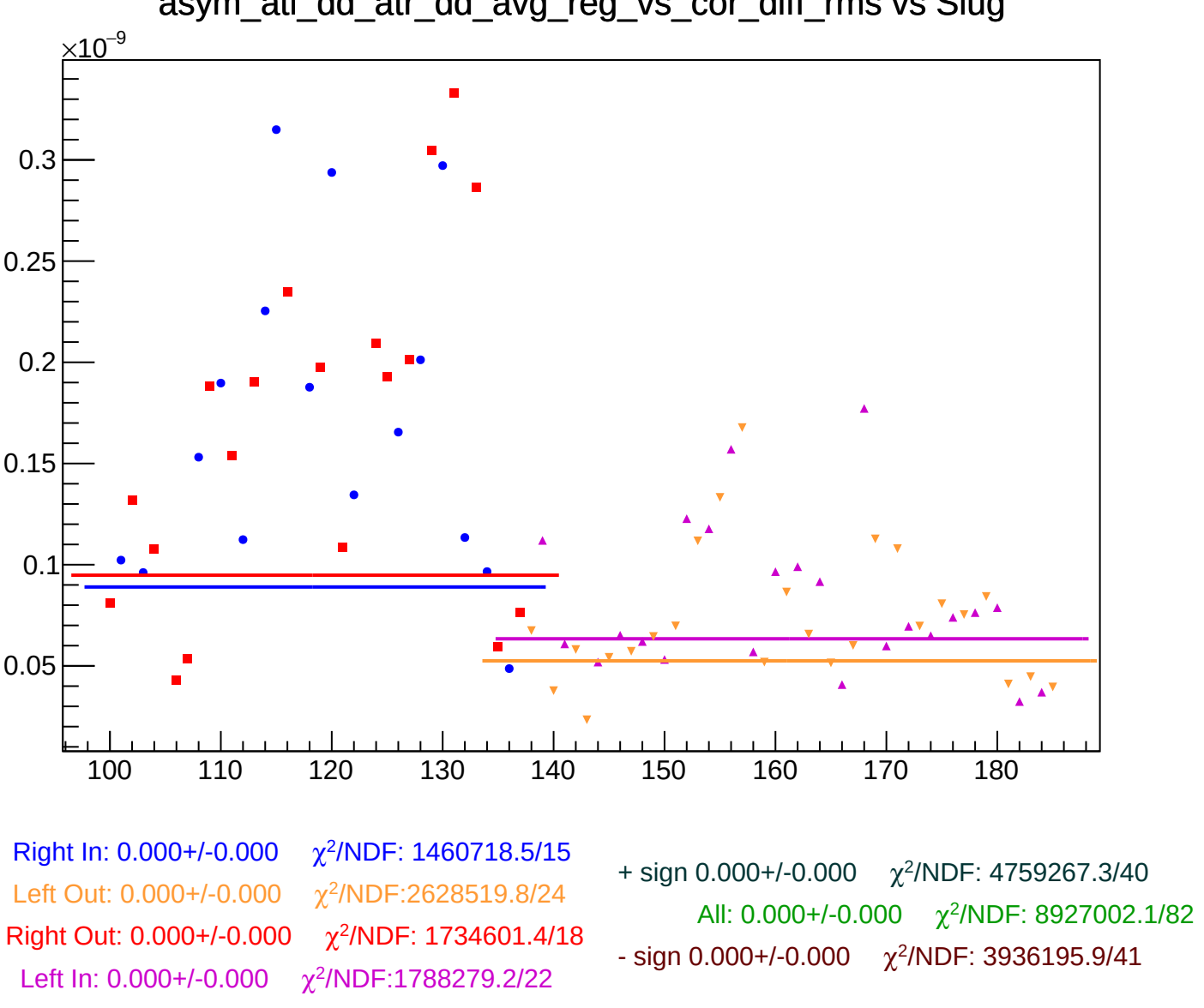
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

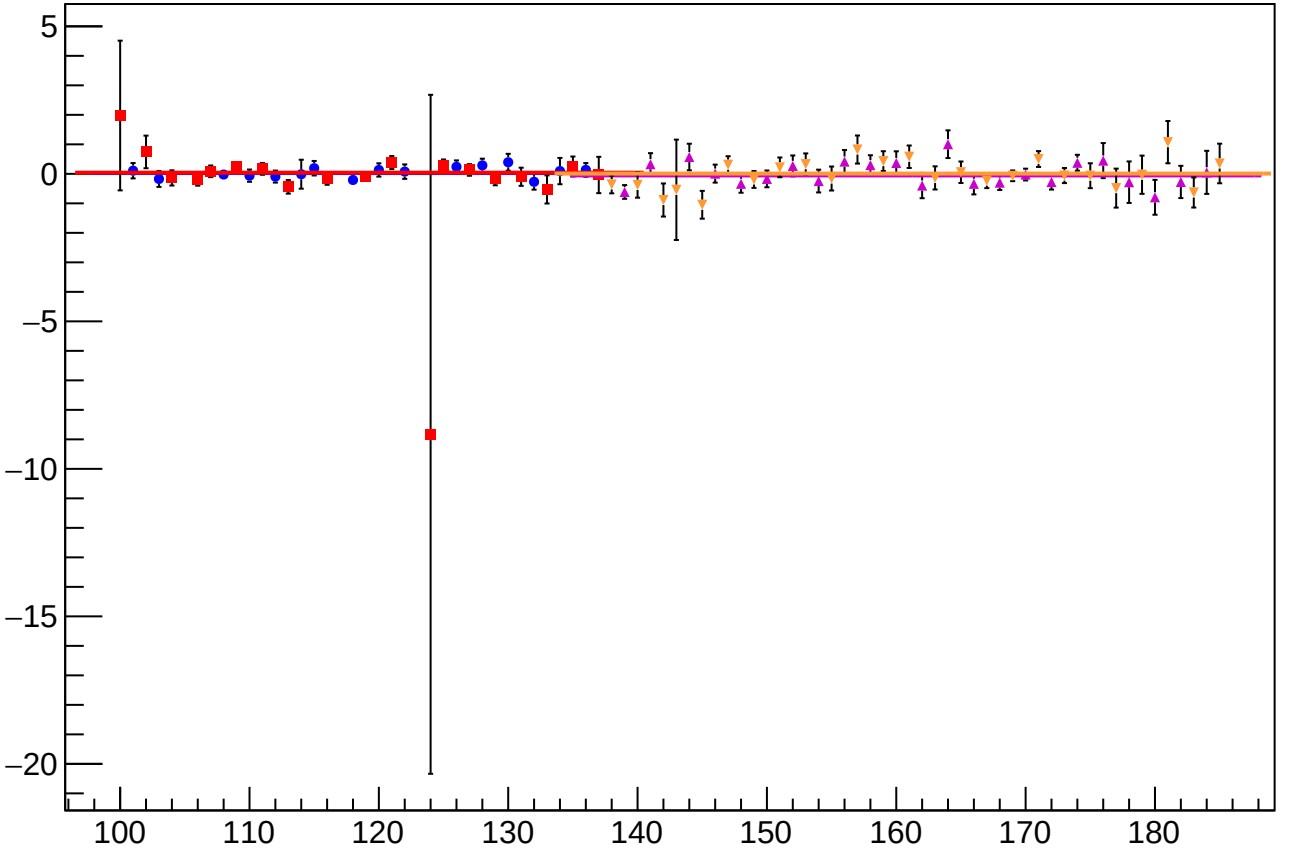
+ sign -0.000+/-0.000 χ^2/NDF: 47.5/40

All: -0.000+/-0.000 χ^2/NDF: 80.9/82

- sign -0.000+/-0.000 χ^2/NDF: 33.1/41


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1460718.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 1734601.4/18
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4759267.3/40
All: 0.000+/-0.000 χ²/NDF: 8927002.1/82
- sign 0.000+/-0.000 χ²/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: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

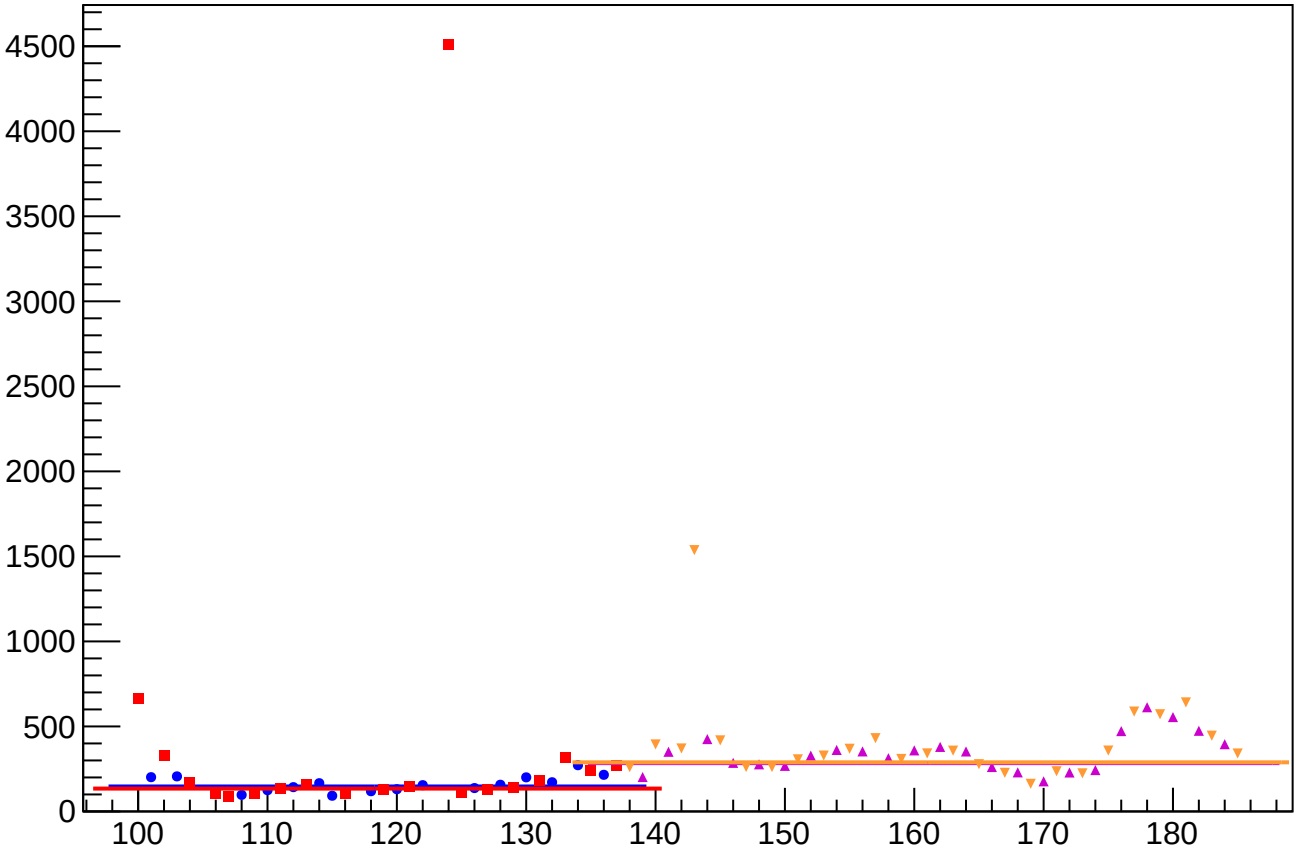
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- sign 0.004+/-0.043 χ^2/NDF: 48.8/41

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

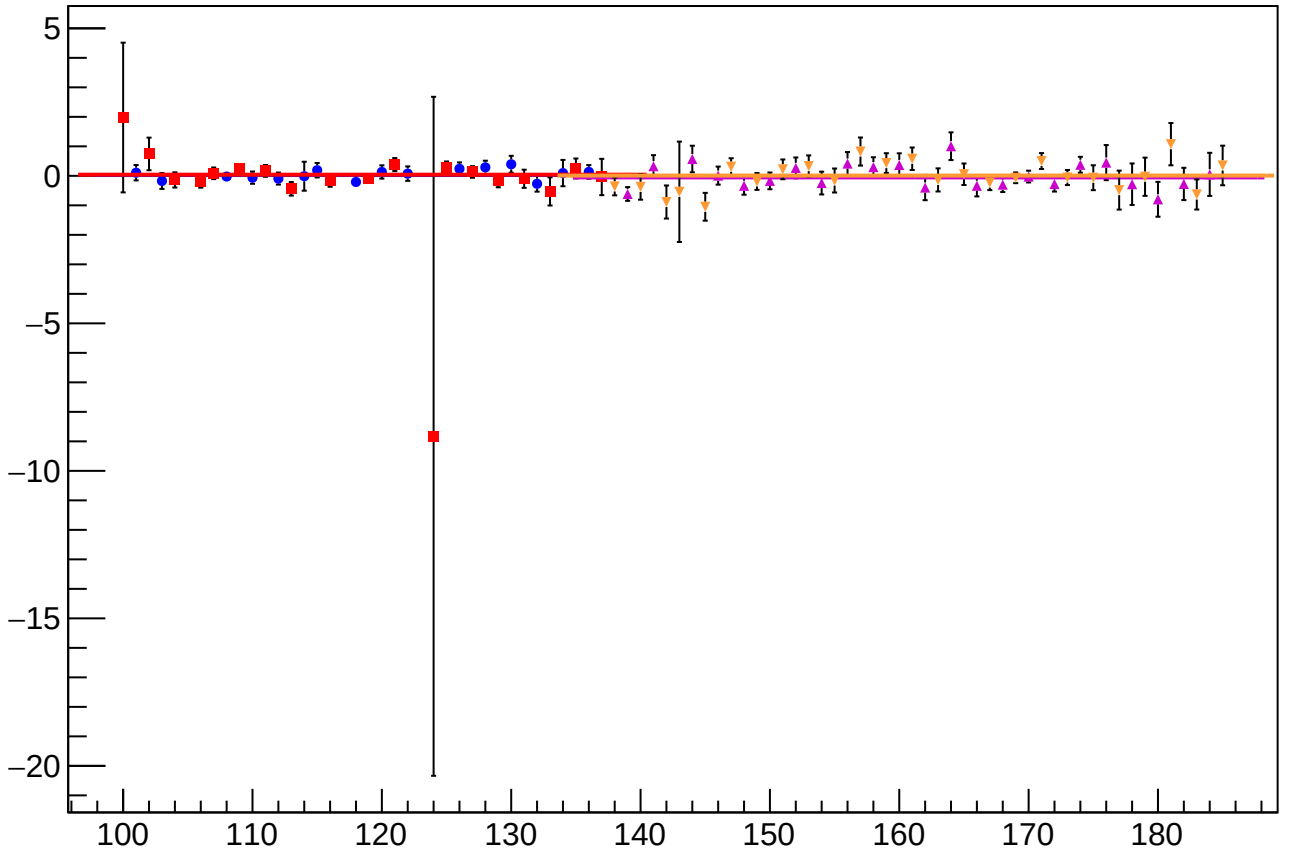
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 196.919+/-0.022 χ^2/NDF: 20862328.6/82

- 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: 0.009+/-0.071 χ^2/NDF:28.9/24

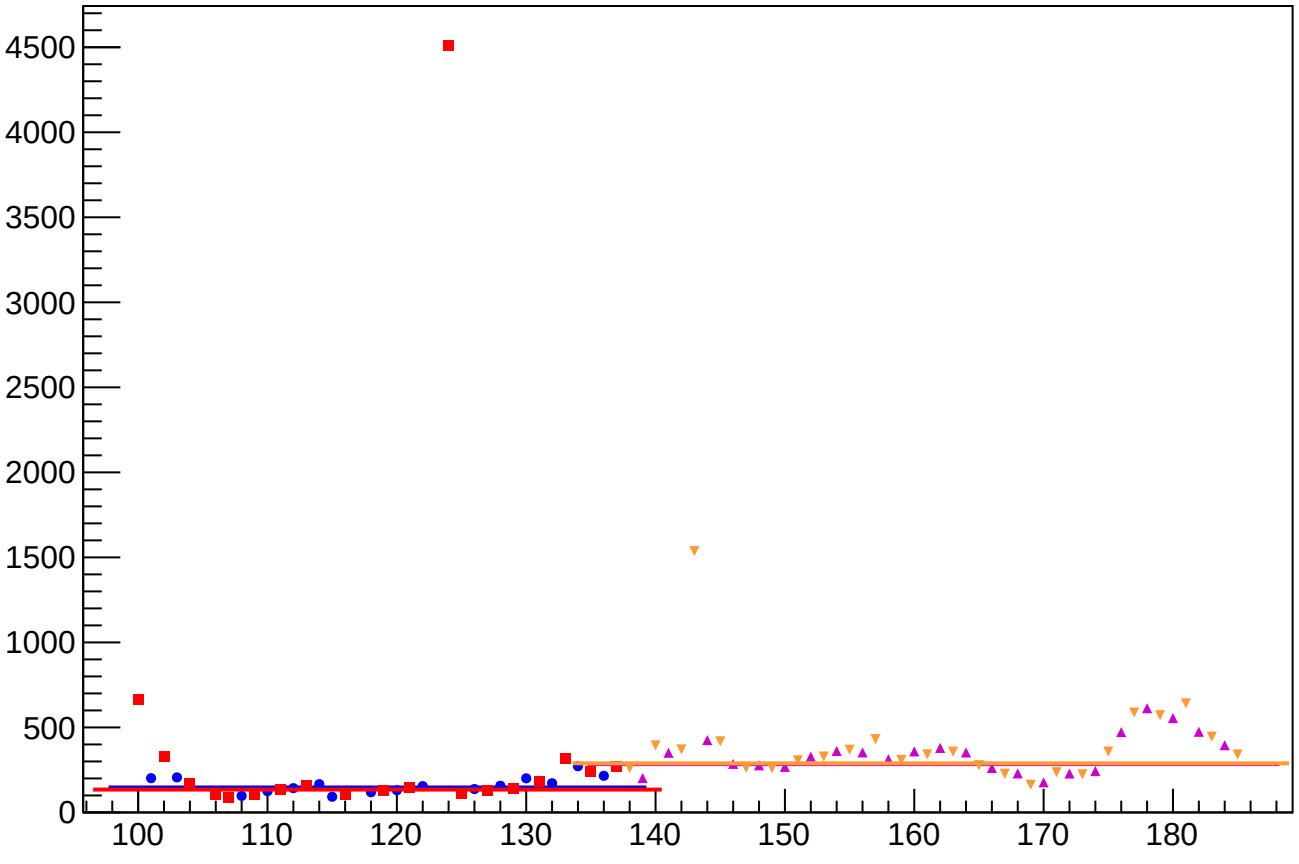
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648197.0/24

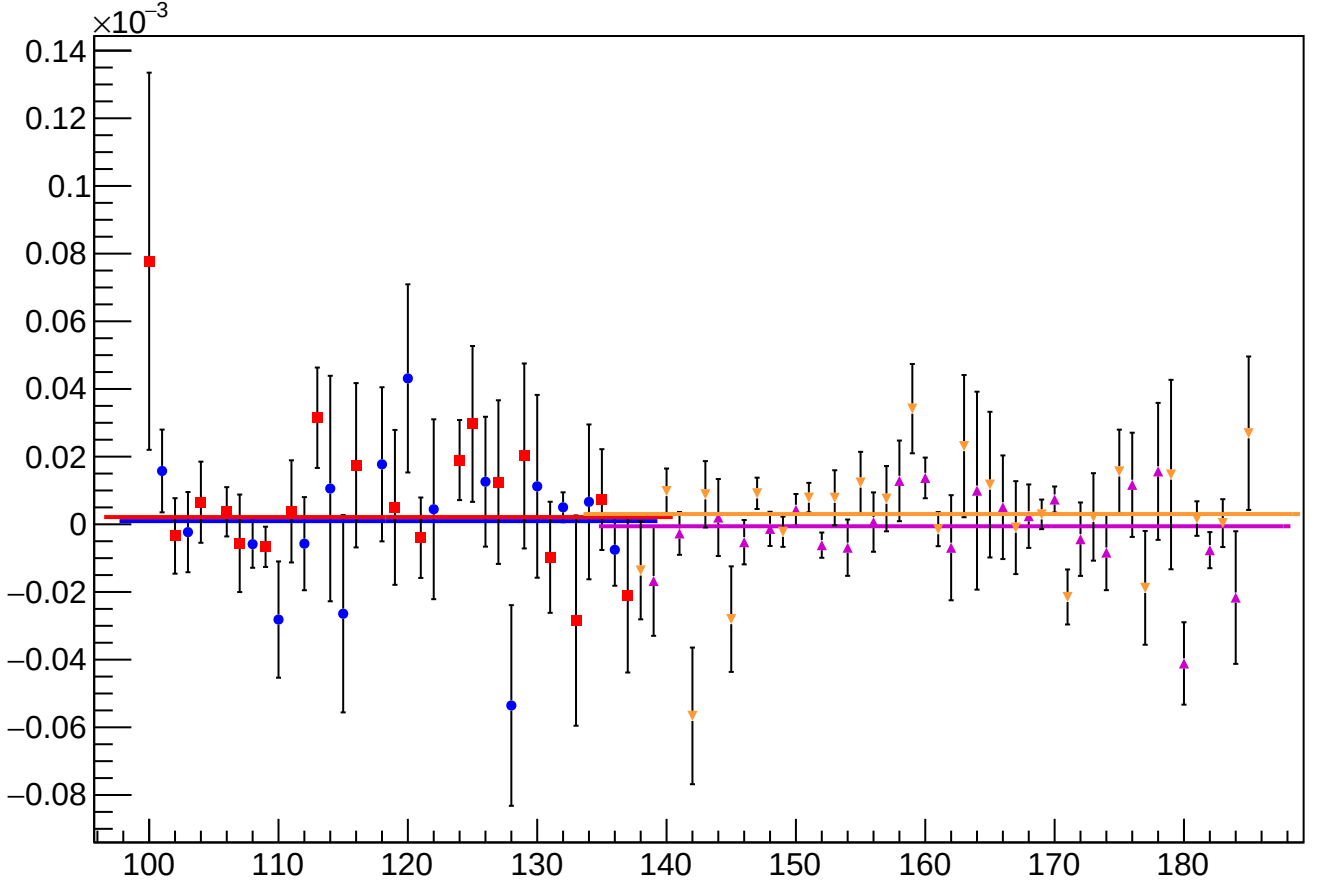
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 196.919+/-0.022 χ^2/NDF: 20862328.6/82

- 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:42.2/24

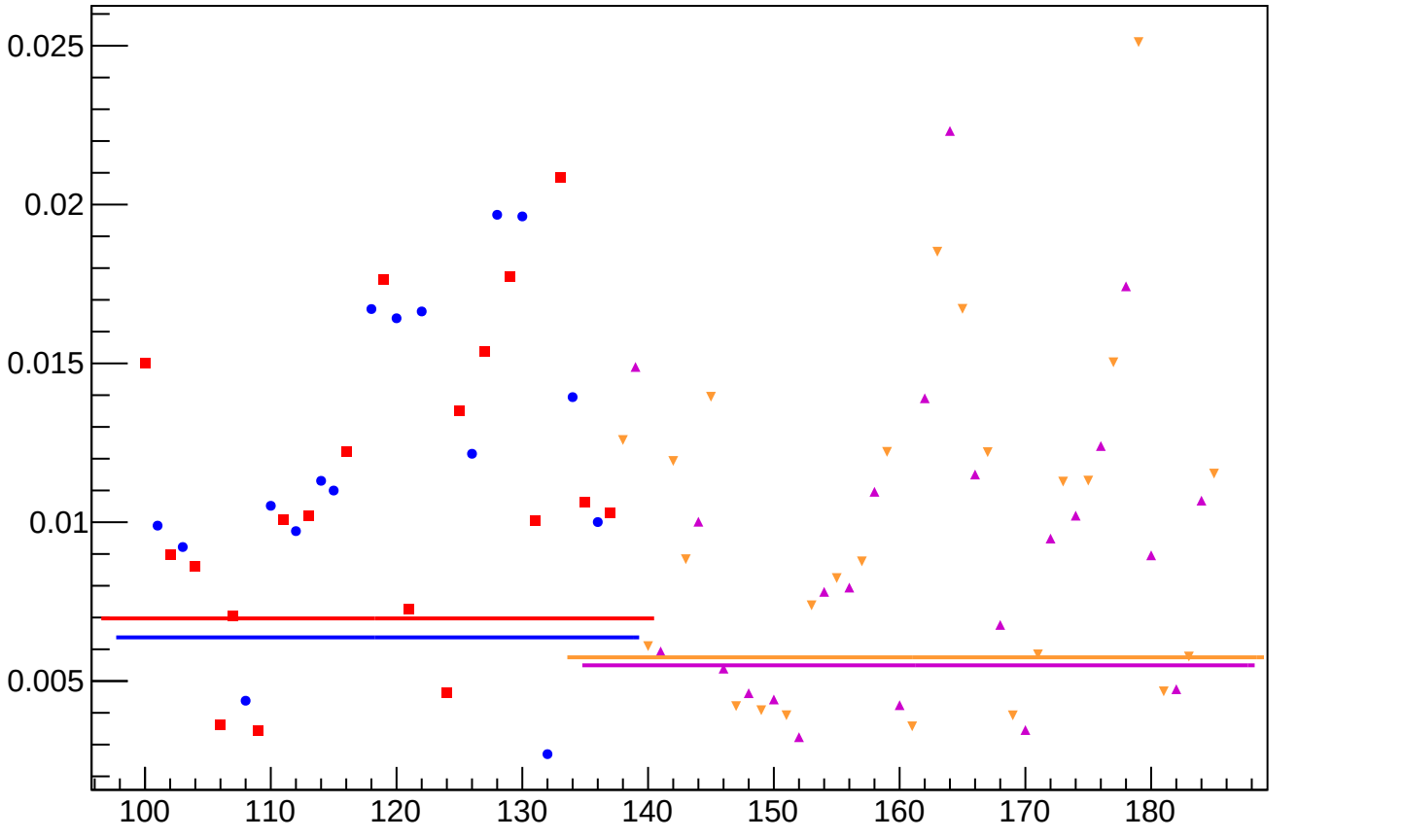
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/40

All: 0.000+/-0.000 χ^2/NDF: 109.2/82

- 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:8128513.8/24

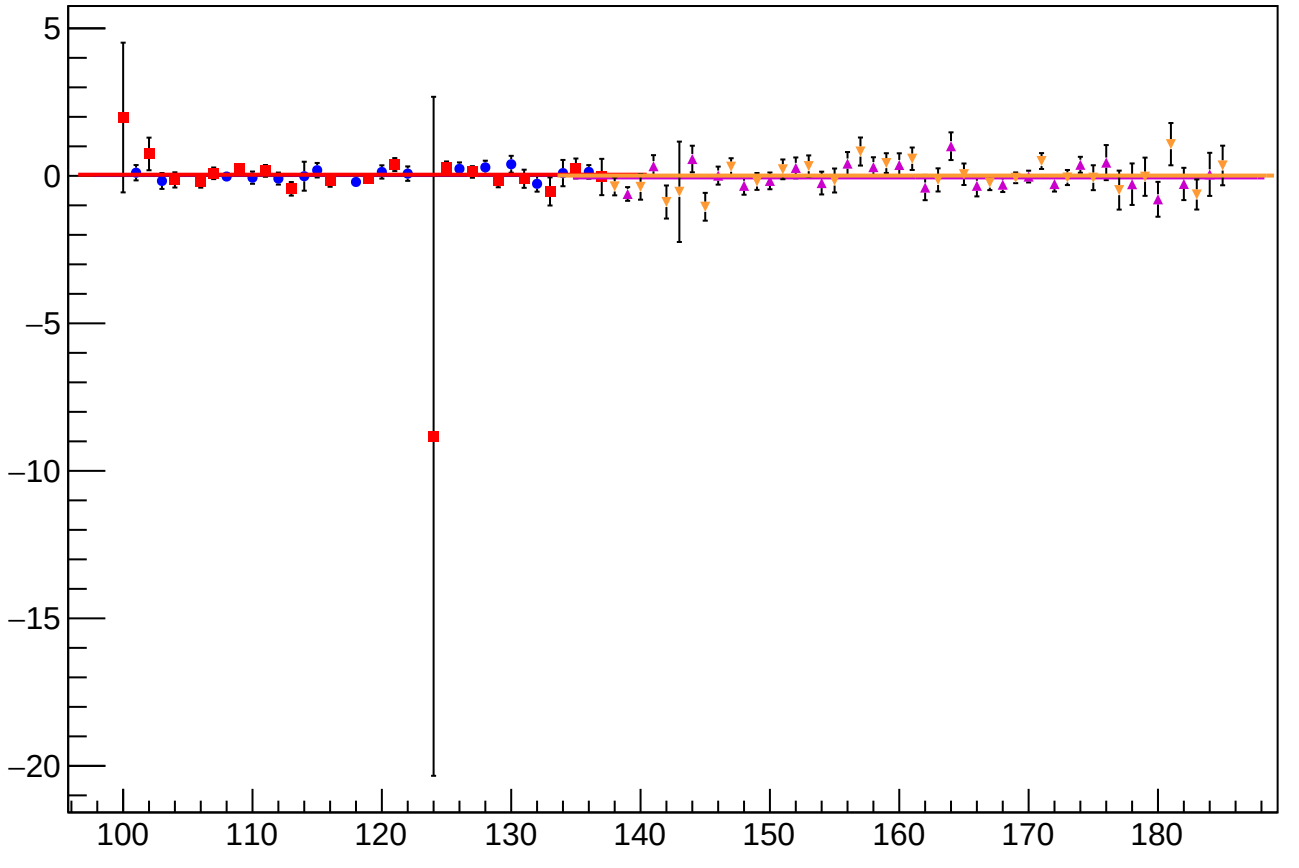
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12840534.1/40

All: 0.006+/-0.000 χ^2/NDF: 23574776.4/82

- 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: 0.009+/-0.071 χ^2/NDF:28.9/24

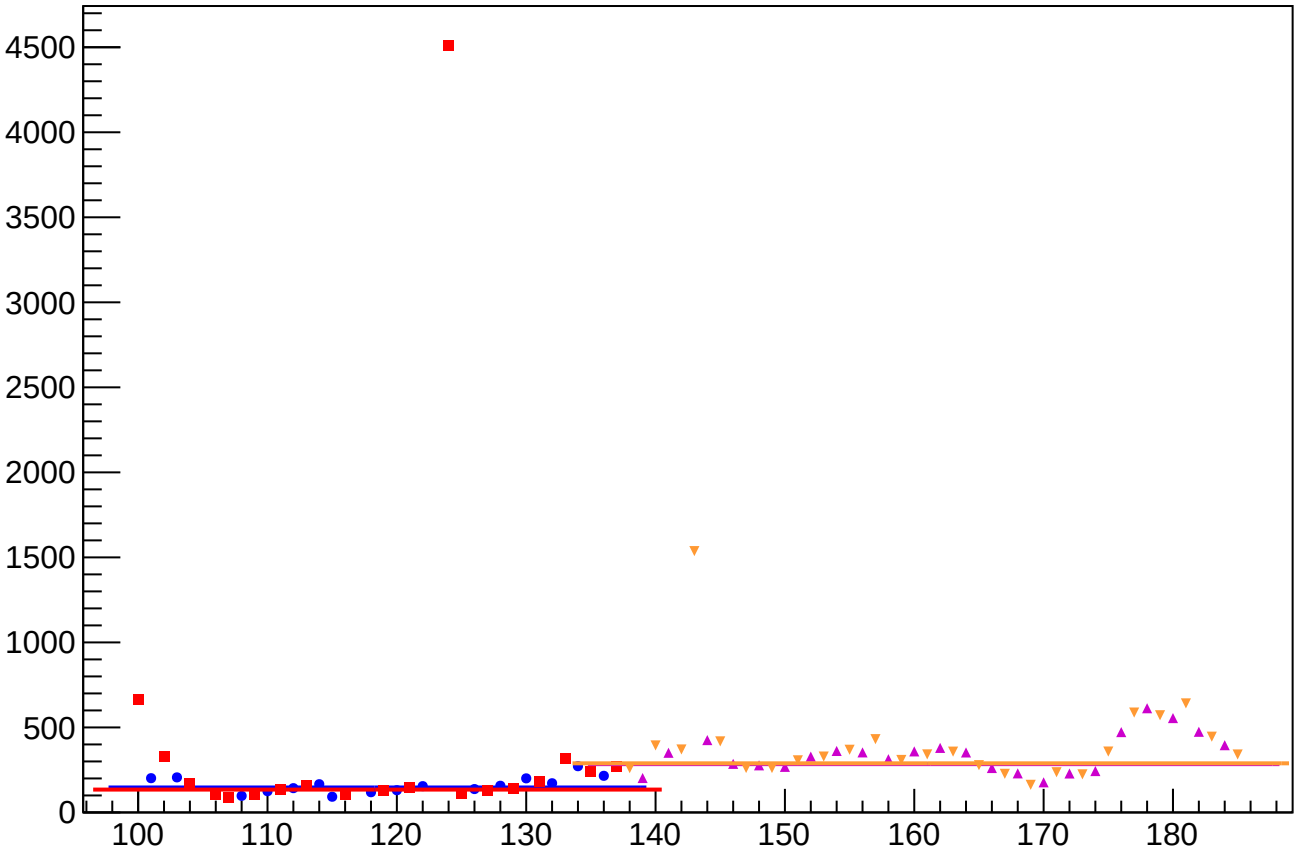
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

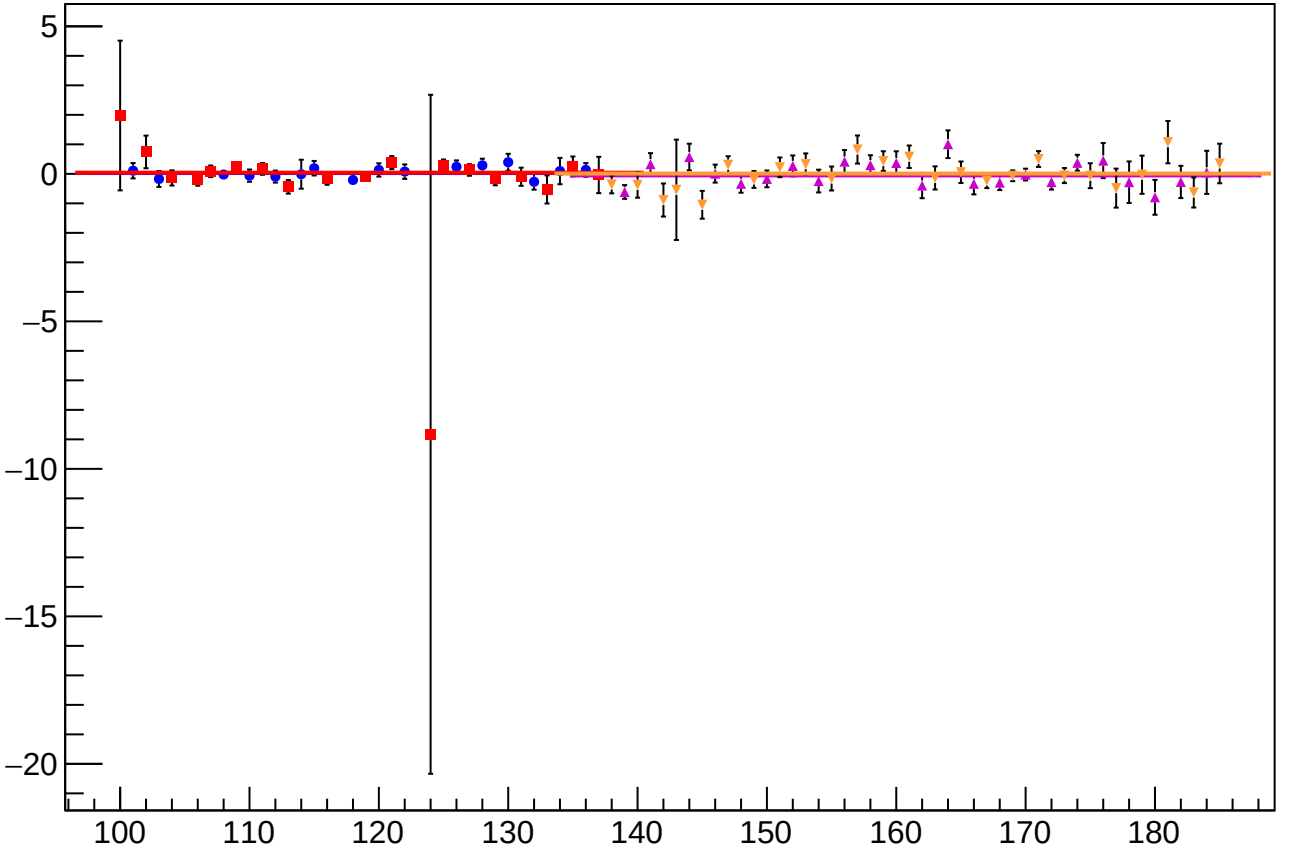
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 196.919+/-0.022 χ^2/NDF: 20862419.2/82

- 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: 0.009+/-0.071 χ^2/NDF:28.9/24

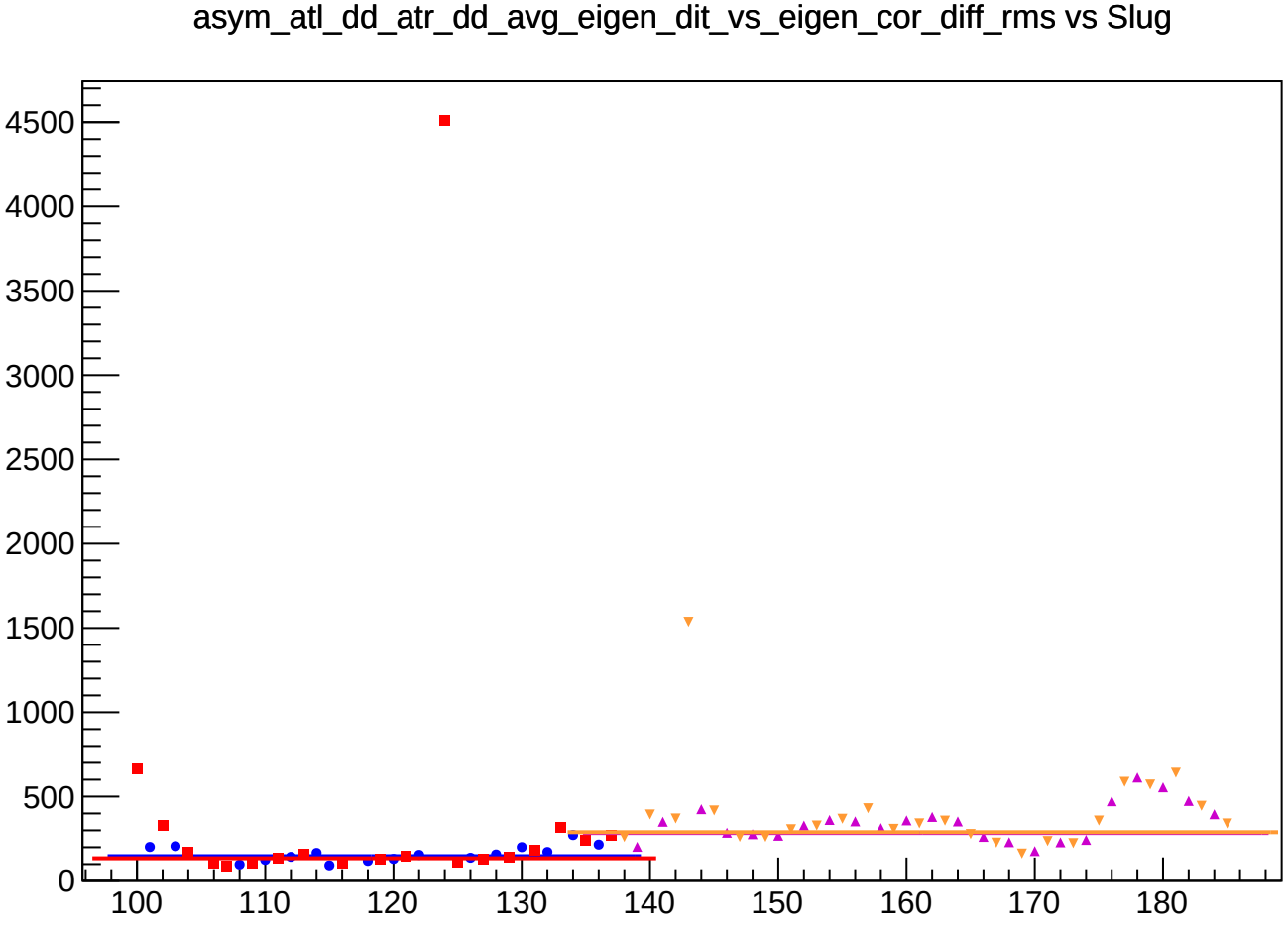
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648388.8/24

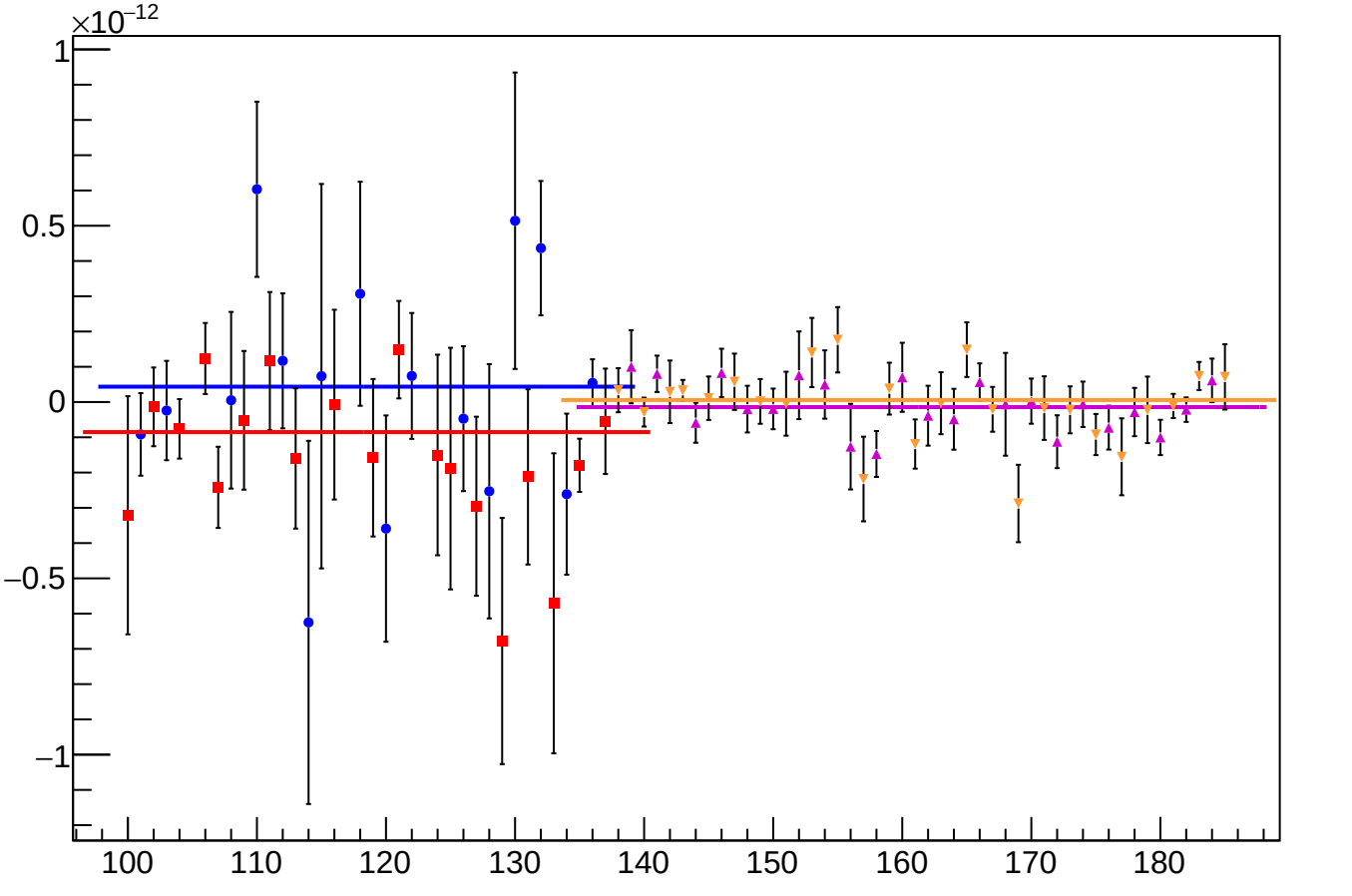
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 196.919+/-0.022 χ^2/NDF: 20862419.2/82

- 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:34.1/24

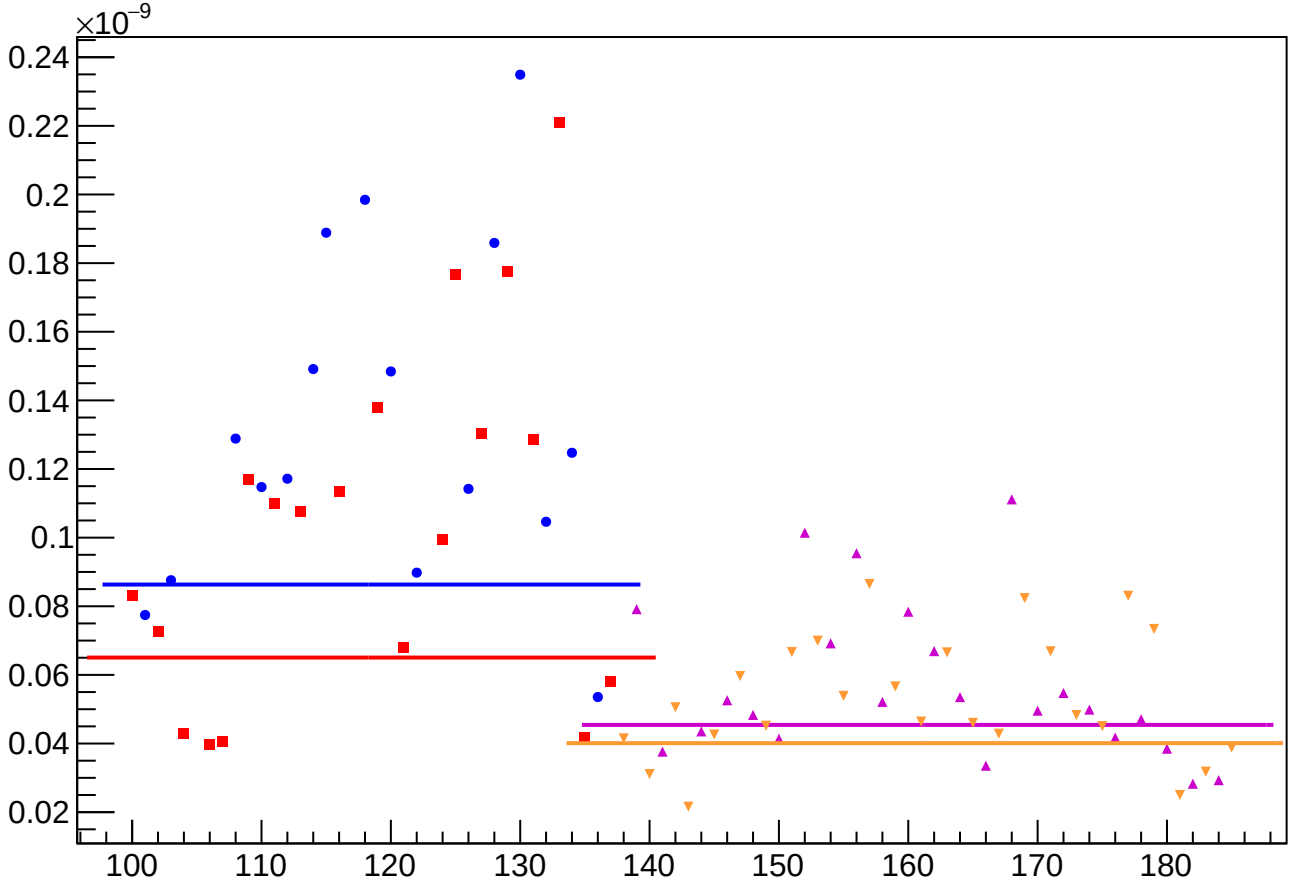
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.8/40

All: -0.000+/-0.000 χ^2/NDF: 102.5/82

- 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:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

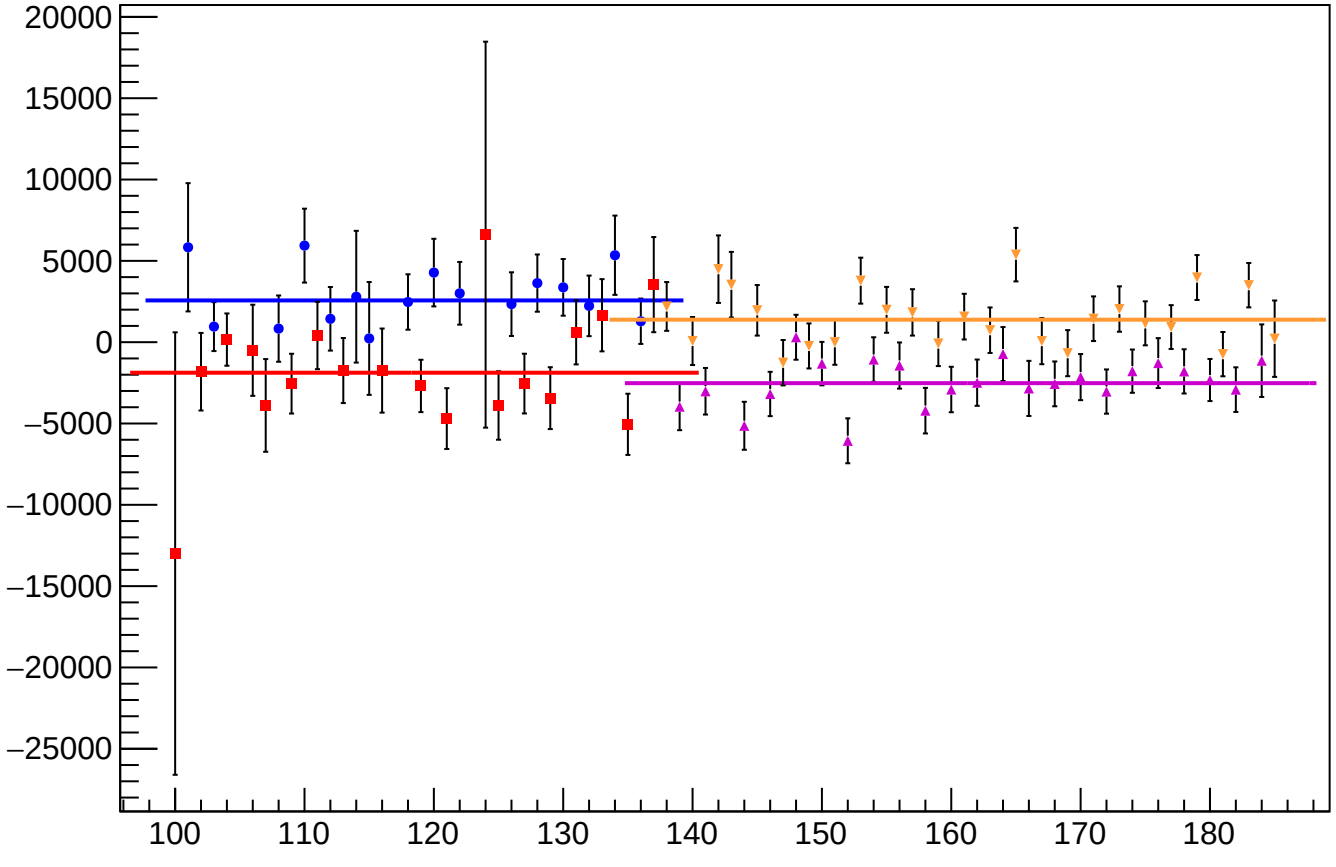
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7337001.5/40

All: 0.000+/-0.000 χ^2/NDF: 12978203.8/82

- 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: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

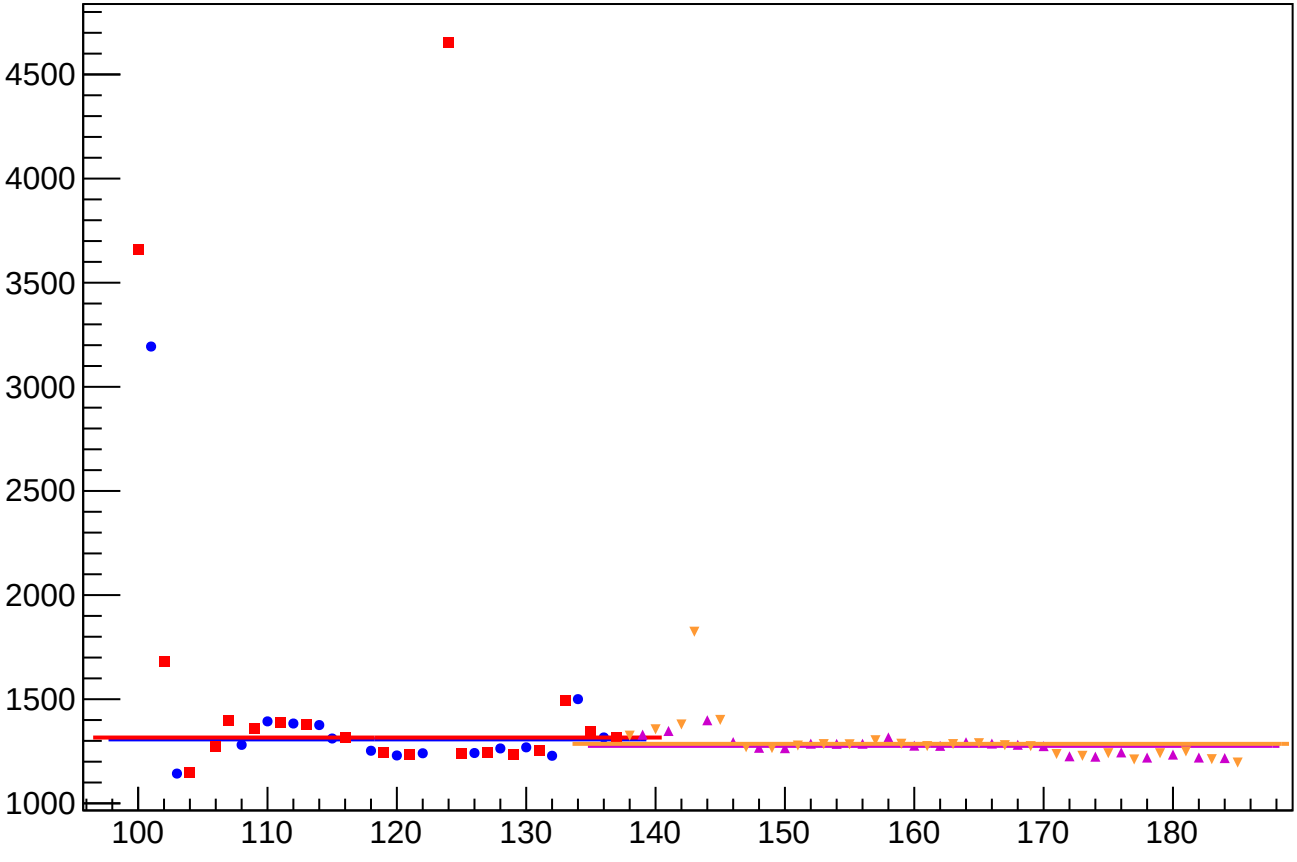
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1689.827+/-252.045 χ^2/NDF: 46.2/40

All: -303.241+/-179.372 χ^2/NDF: 216.1/82

- 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: 1285.649+/-0.207 χ^2/NDF:191027.3/24

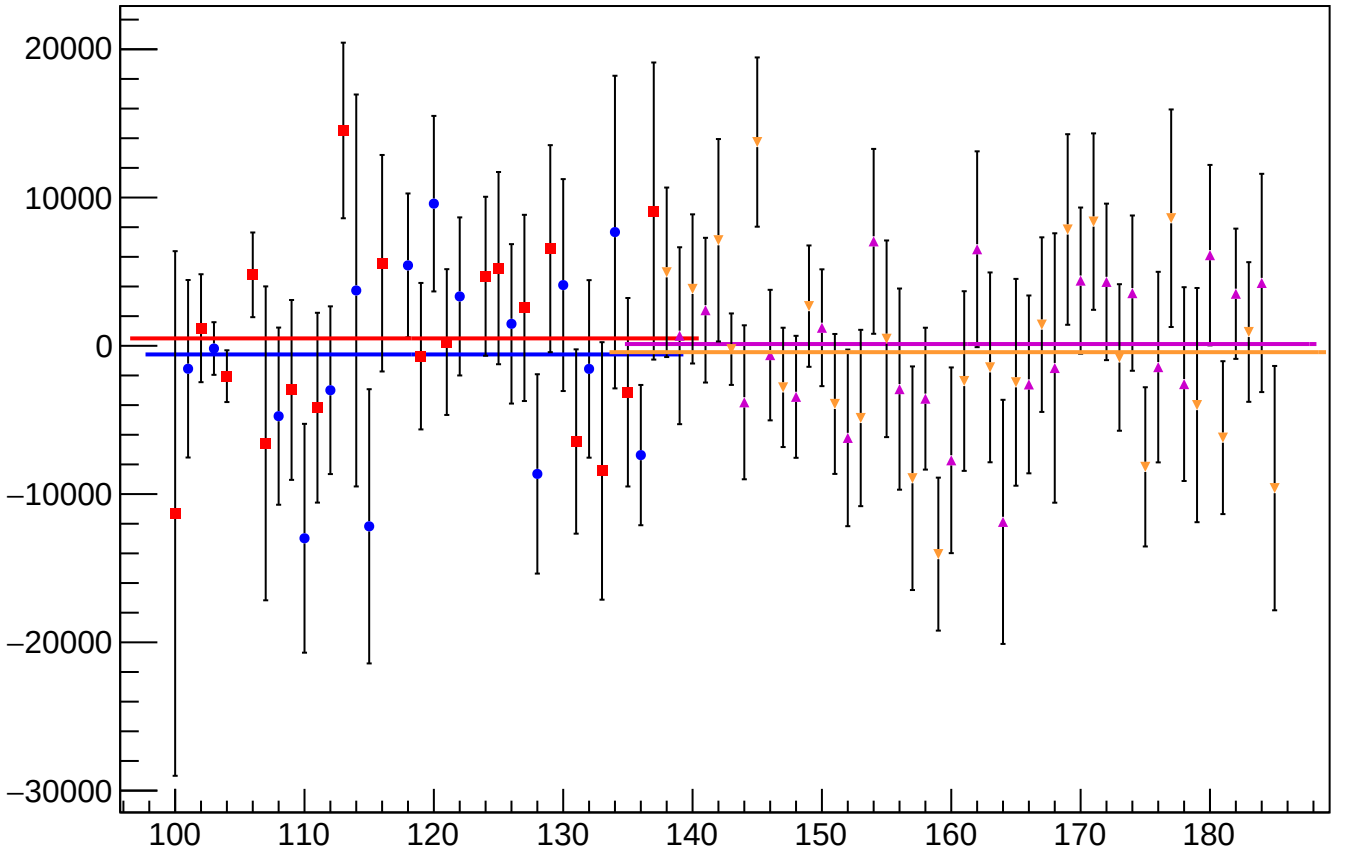
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.194+/-0.178 χ^2/NDF: 710047.5/40

All: 1288.951+/-0.127 χ^2/NDF: 1087845.4/82

- 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: -428.530+/-1038.038 χ^2/NDF:29.8/24

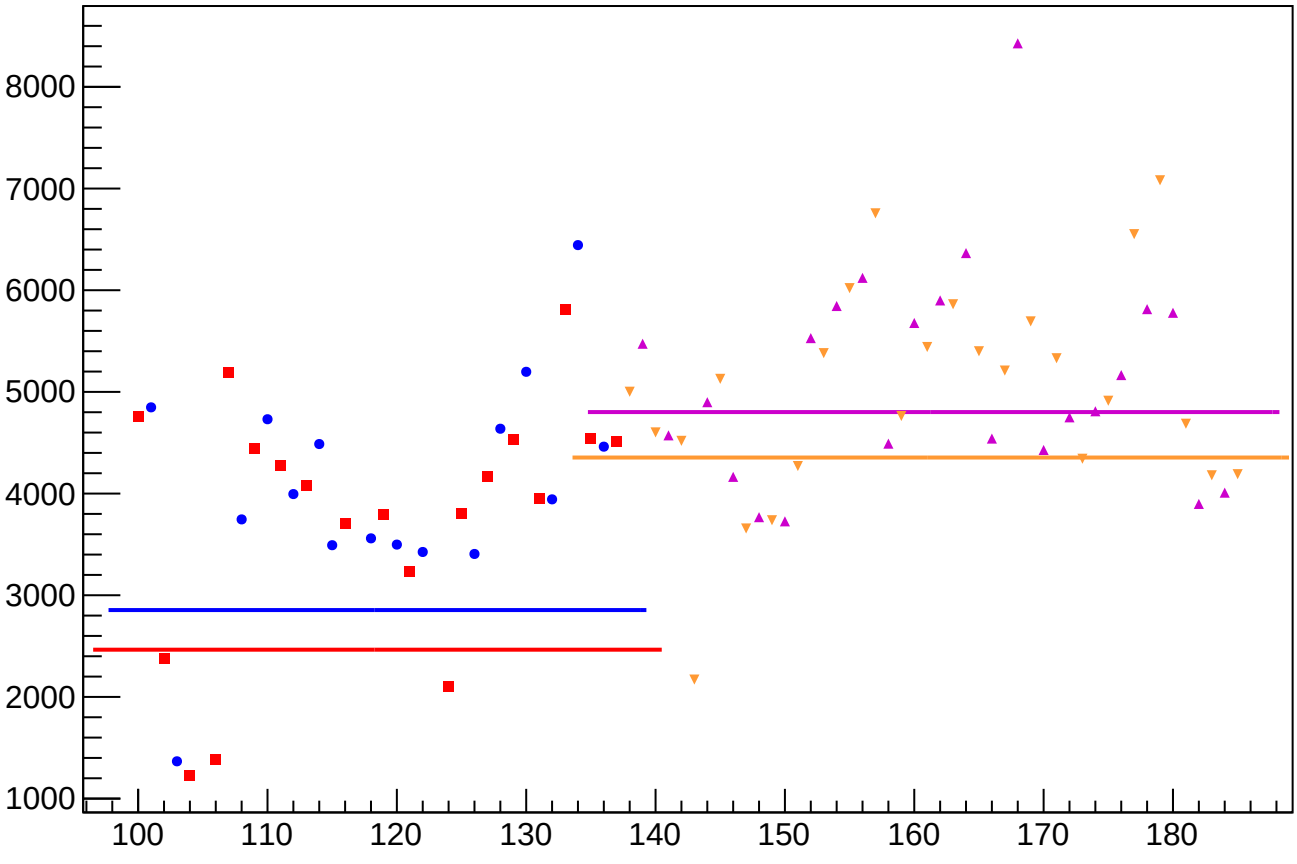
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -494.575+/-783.060 χ^2/NDF: 44.6/40

All: -80.977+/-551.174 χ^2/NDF: 76.5/82

- 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: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

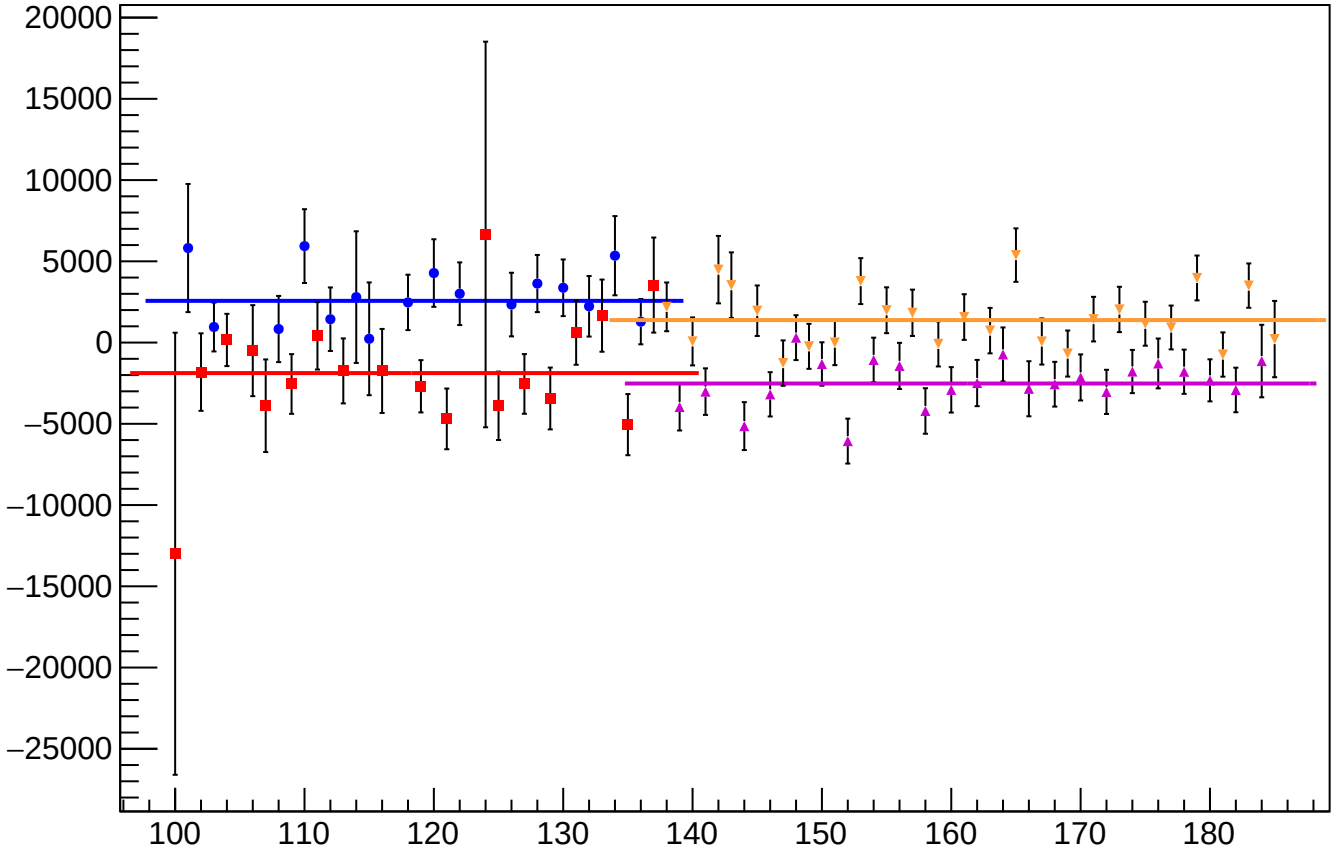
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3708.029+/-0.554 χ^2/NDF: 7776484.1/40

All: 3622.453+/-0.390 χ^2/NDF: 16917324.5/8

- 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: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

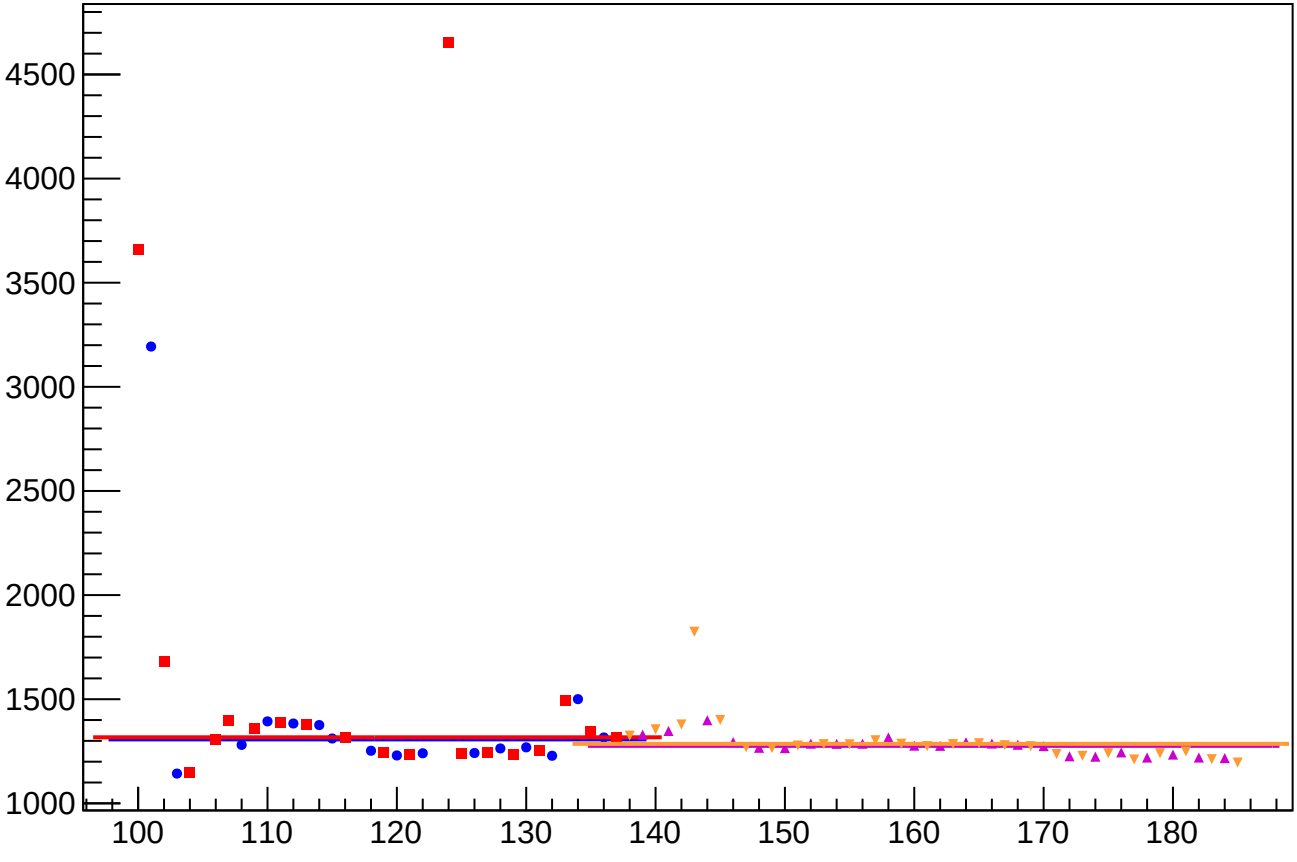
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1689.707+/-252.045 χ^2/NDF: 46.2/40

All: -303.269+/-179.372 χ^2/NDF: 216.1/82

- 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: 1285.649+/-0.207 χ^2/NDF:191027.3/24

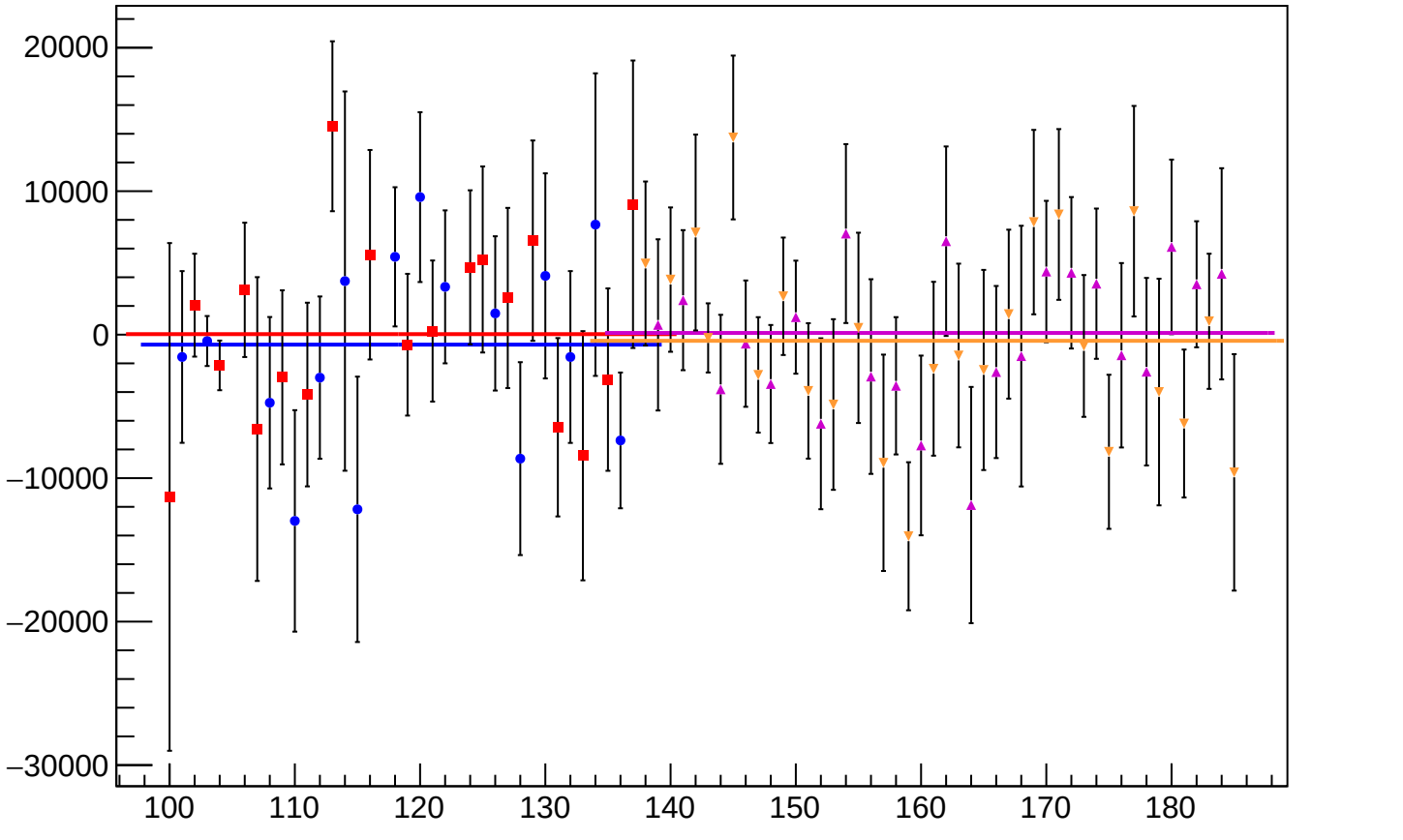
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.194+/-0.178 χ^2/NDF: 710049.0/40

All: 1289.095+/-0.127 χ^2/NDF: 1087854.3/82

- 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: -428.525+/-1038.036 χ^2/NDF:29.8/24

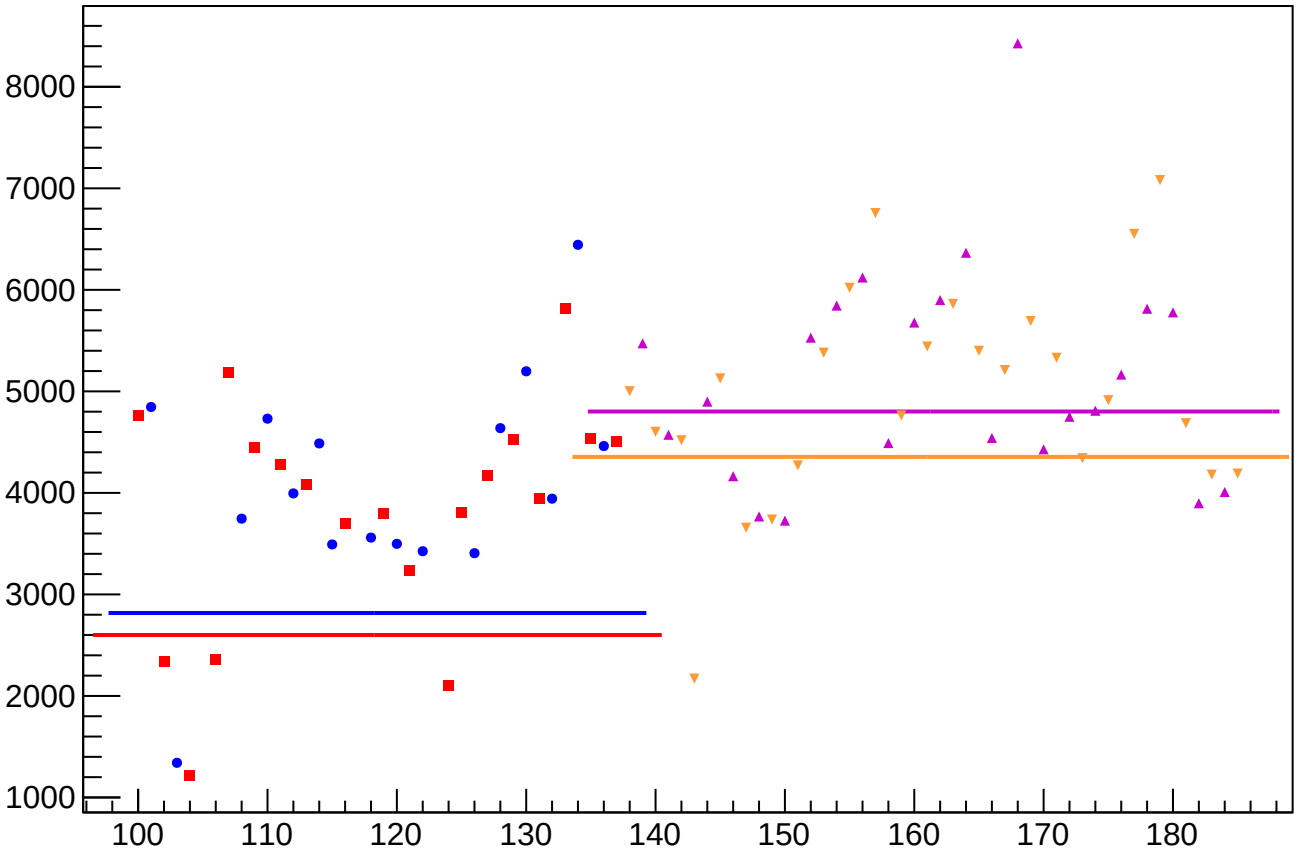
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -544.615+/-780.087 χ^2/NDF: 44.5/40

All: -239.202+/-555.933 χ^2/NDF: 74.4/82

- 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: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

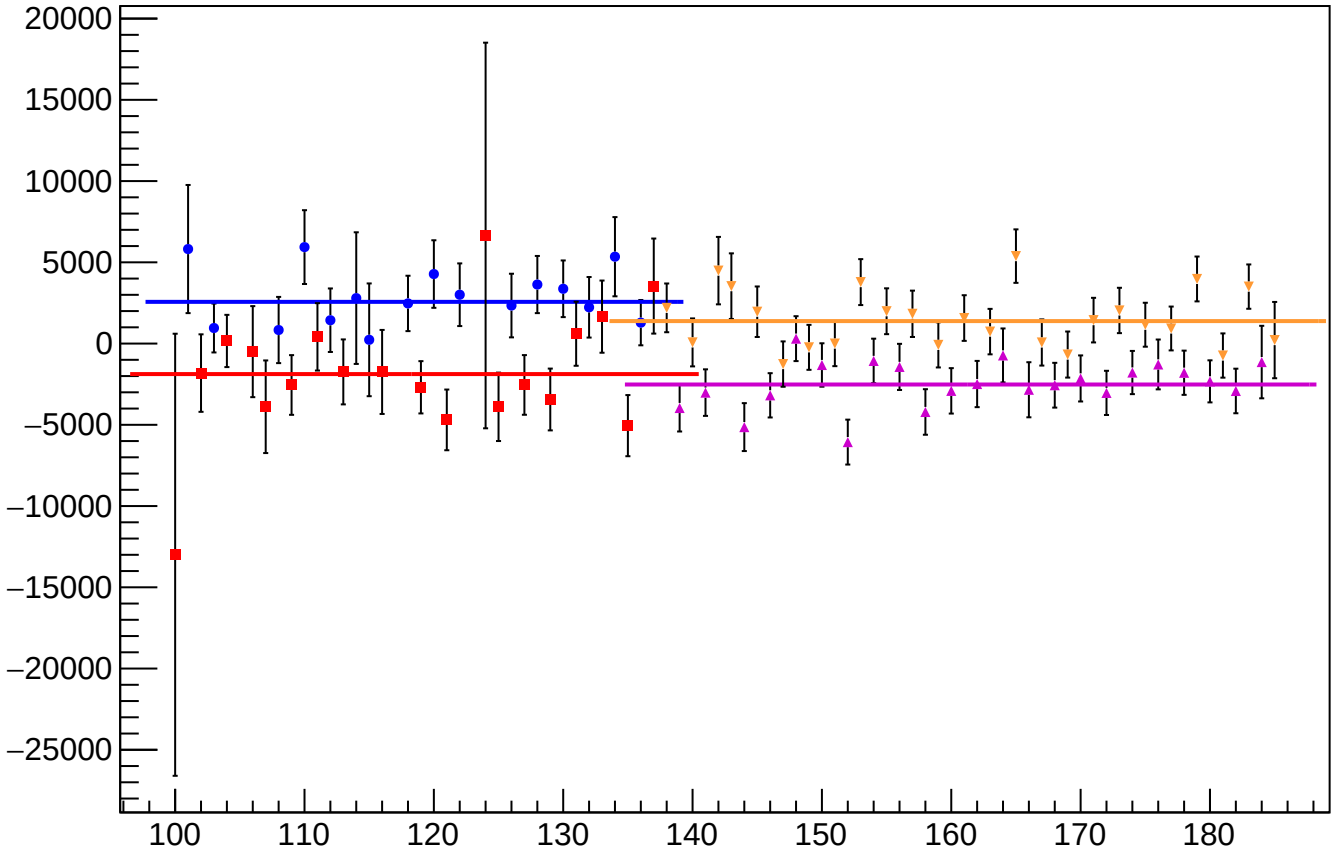
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3685.225+/-0.552 χ^2/NDF: 7989376.9/40

All: 3670.570+/-0.393 χ^2/NDF: 16153925.2/8

- sign 3655.446+/-0.560 χ^2/NDF: 8163114.0/41



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

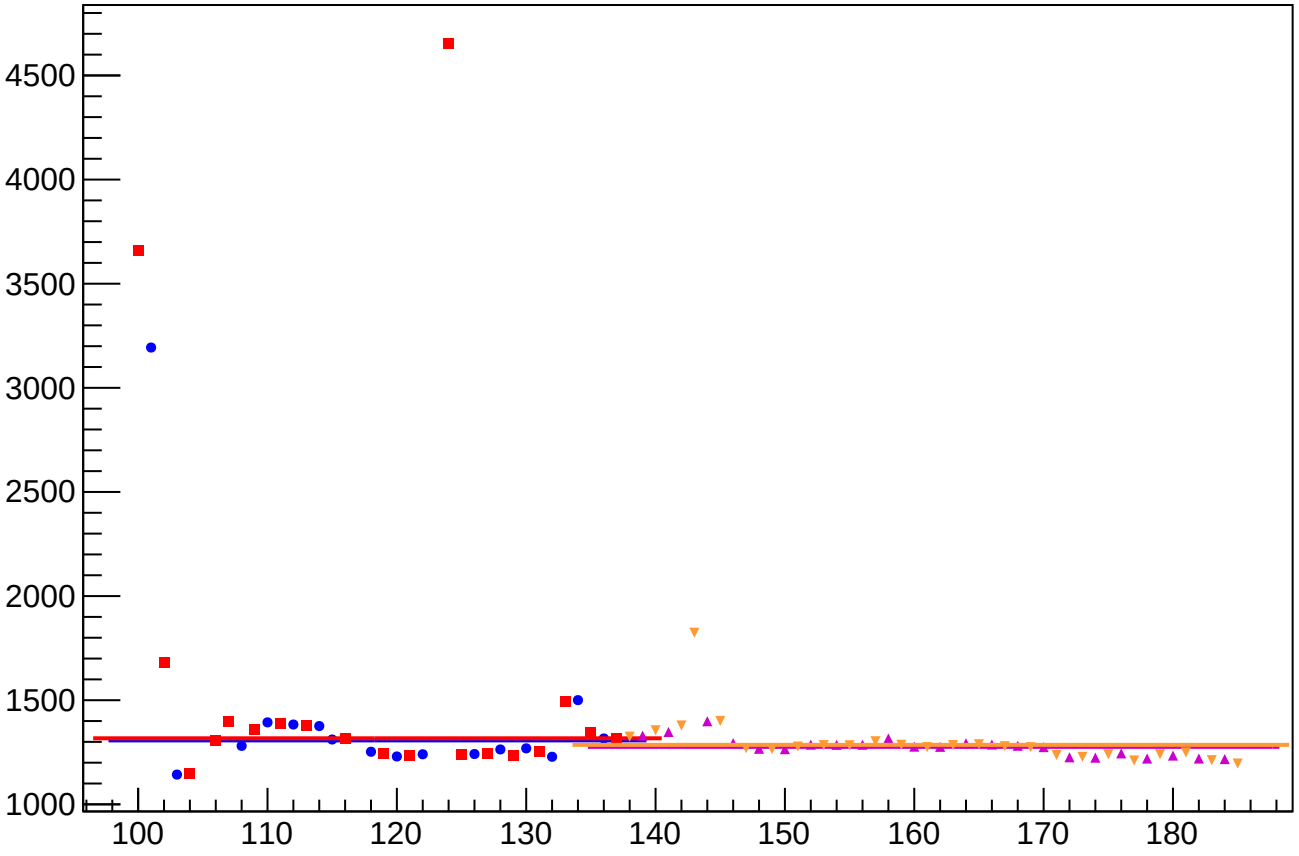
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1689.707+/-252.045 χ^2/NDF: 46.2/40

All: -303.269+/-179.372 χ^2/NDF: 216.1/82

- 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: 1285.649+/-0.207 χ^2/NDF:191027.3/24

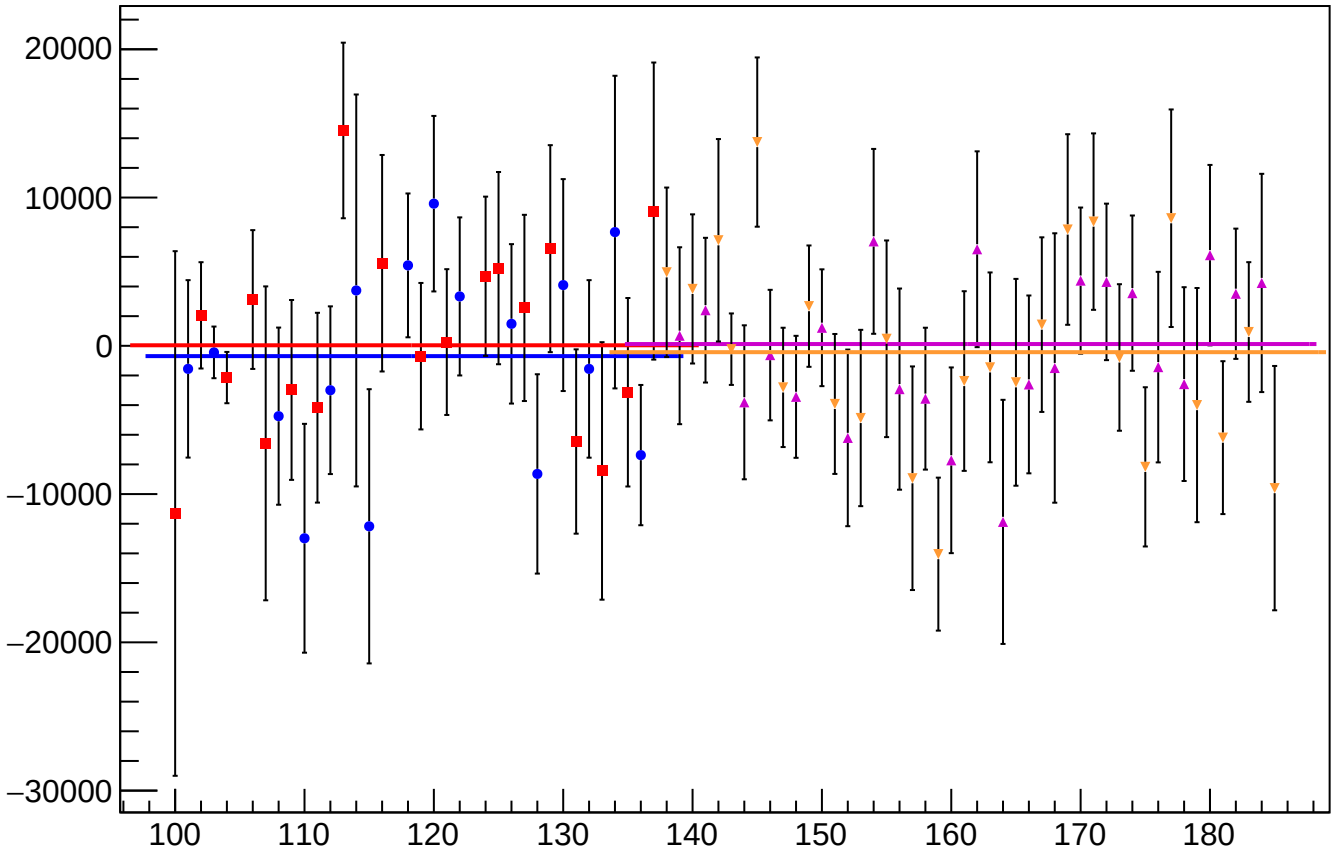
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.194+/-0.178 χ^2/NDF: 710049.0/40

All: 1289.095+/-0.127 χ^2/NDF: 1087854.3/82

- 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: -428.525+/-1038.036 χ^2/NDF:29.8/24

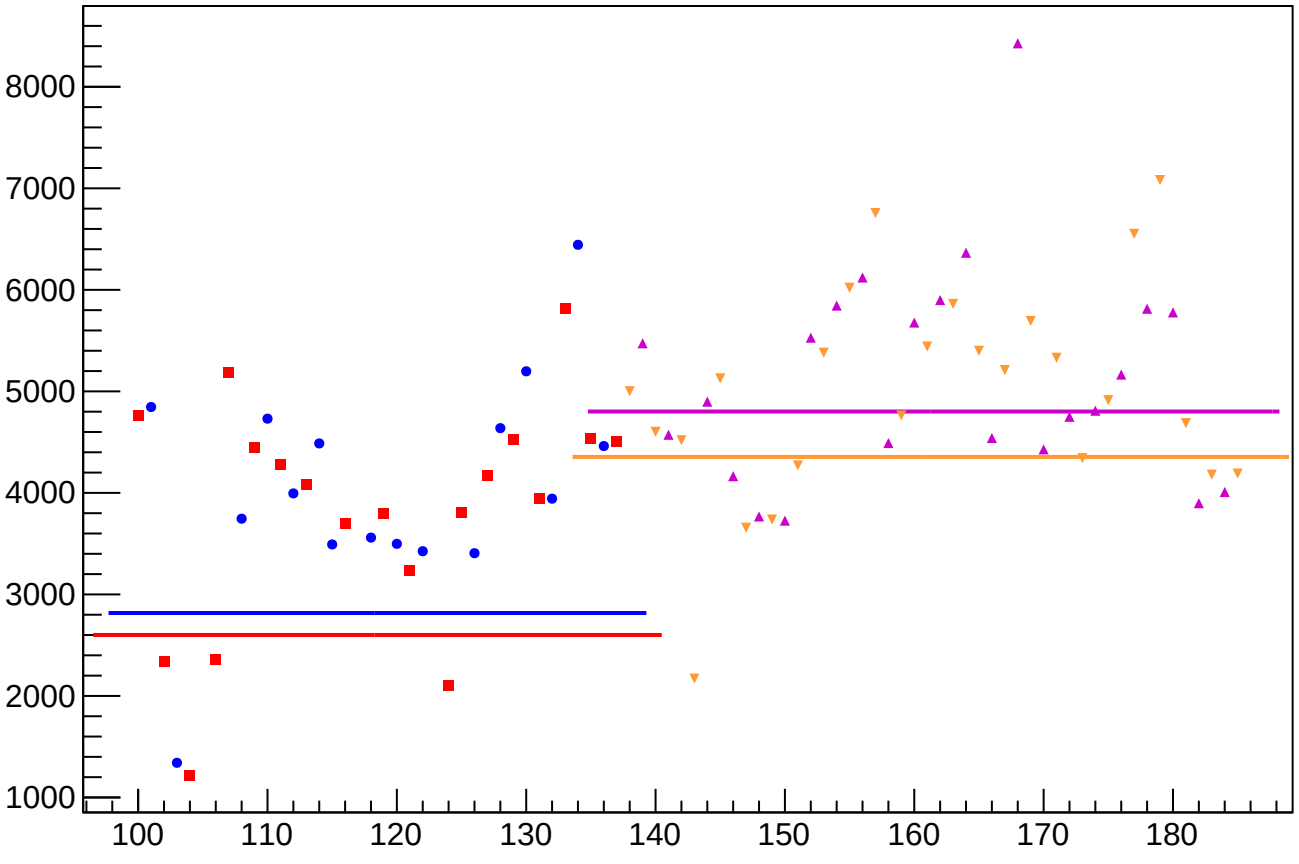
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -544.615+/-780.087 χ^2/NDF: 44.5/40

All: -239.202+/-555.933 χ^2/NDF: 74.4/82

\- 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: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

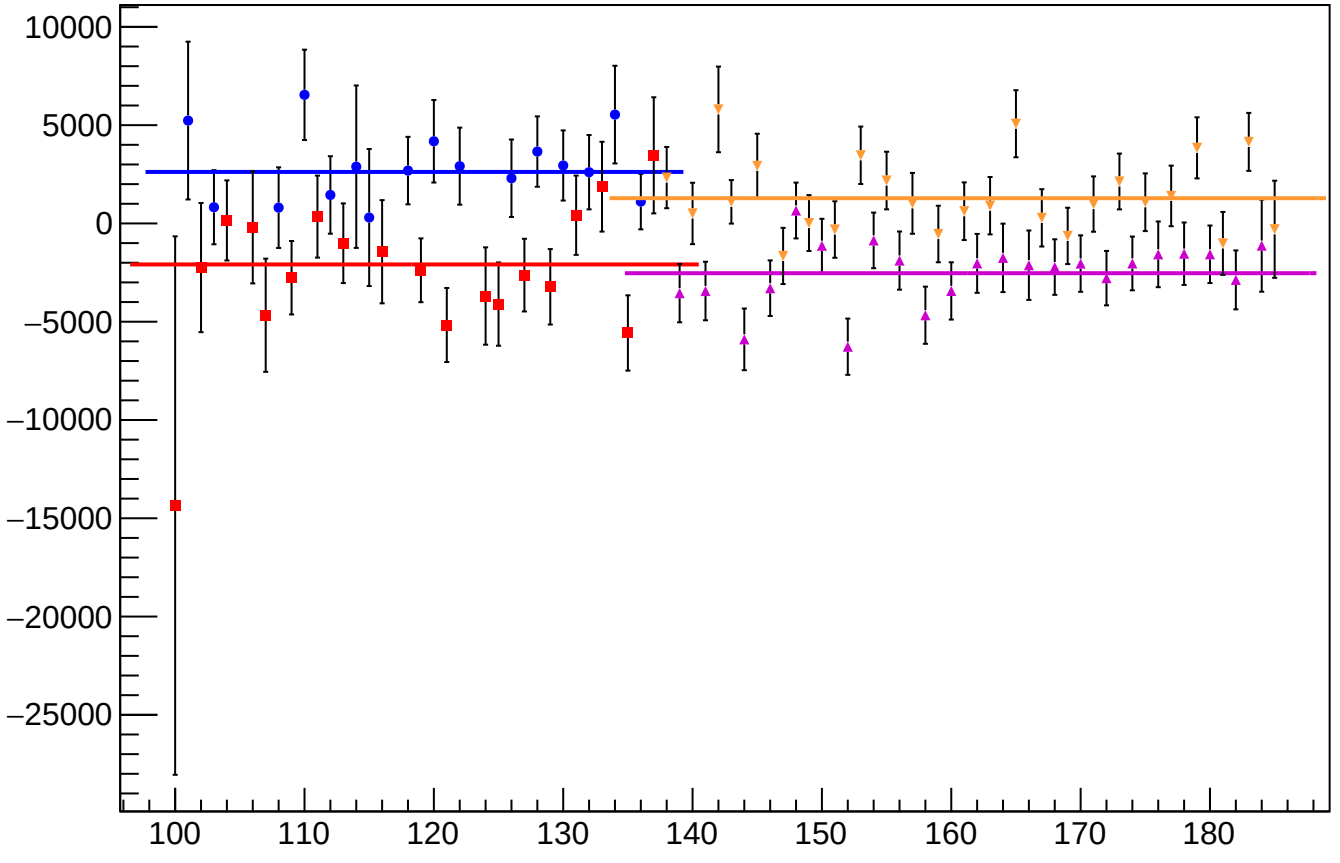
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3685.225+/-0.552 χ^2/NDF: 7989376.9/40

All: 3670.570+/-0.393 χ^2/NDF: 16153925.2/8

- sign 3655.446+/-0.560 χ^2/NDF: 8163114.0/41

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

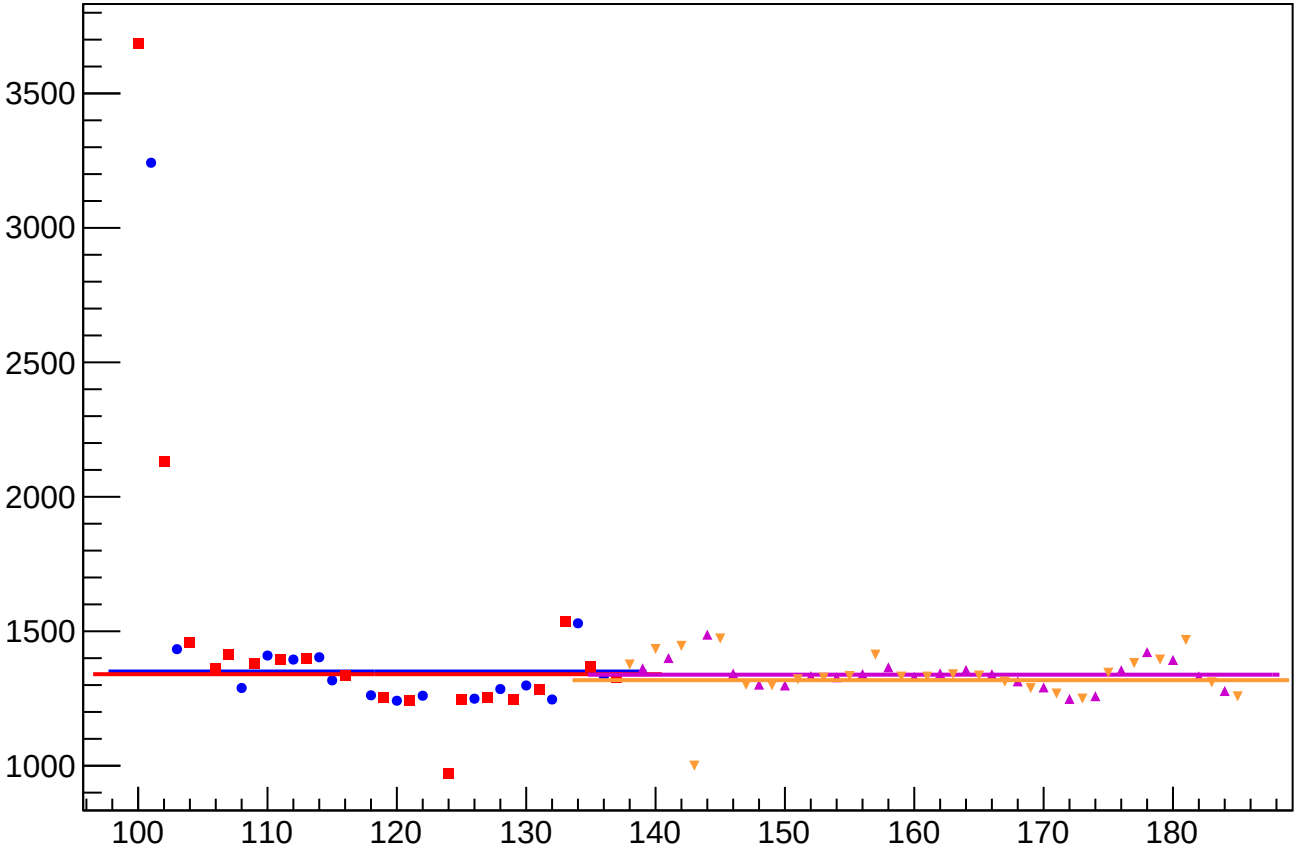
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1627.287+/-259.116 χ^2/NDF: 47.8/40

All: -337.797+/-185.593 χ^2/NDF: 212.4/82

- sign -2407.978+/-265.955 χ^2/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: 1318.174+/-0.213 χ^2/NDF:248547.7/24

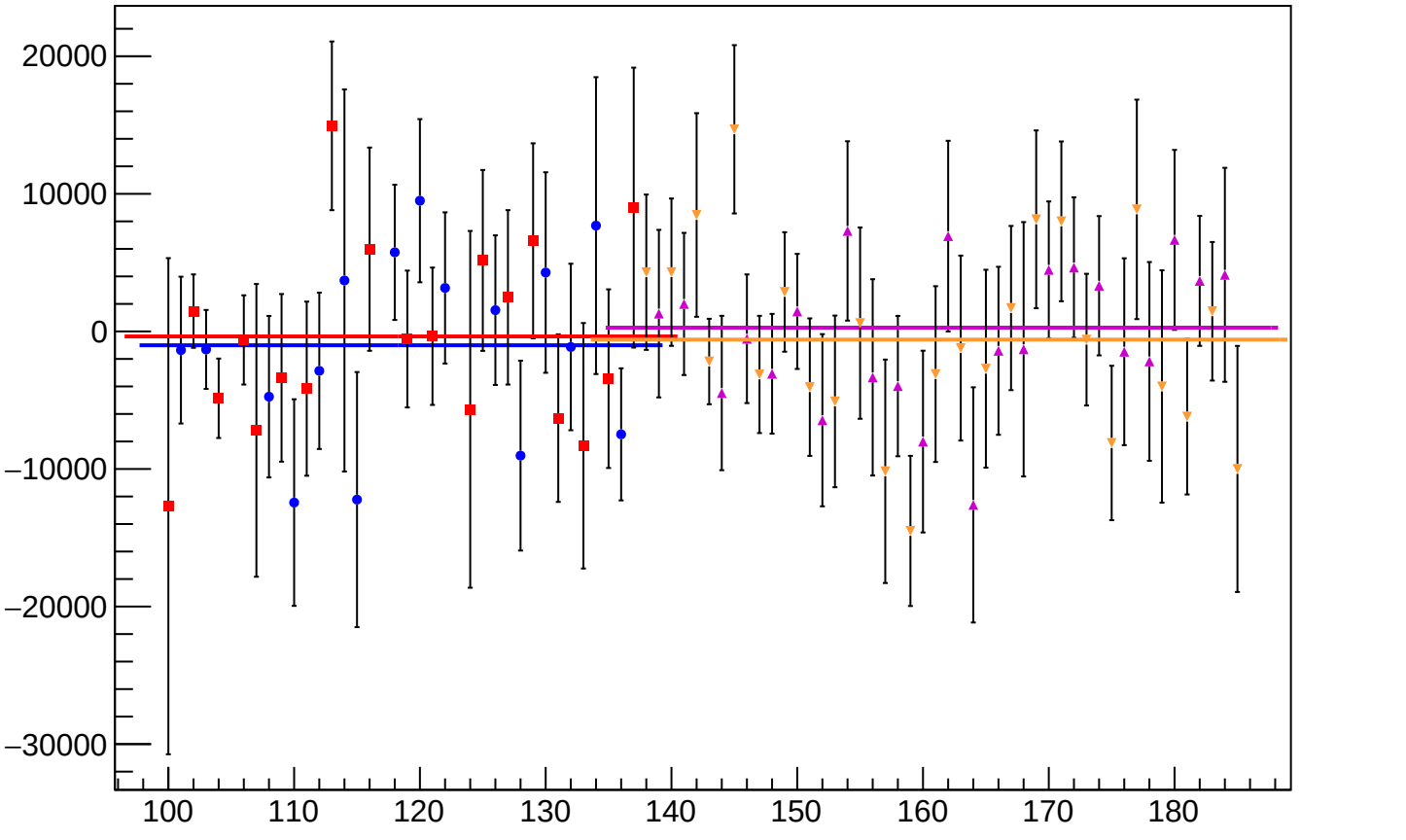
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1326.436+/-0.183 χ^2/NDF: 748488.6/40

All: 1332.609+/-0.131 χ^2/NDF: 1077270.0/82

- 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: -594.916+/-1122.287 χ^2/NDF:29.5/24

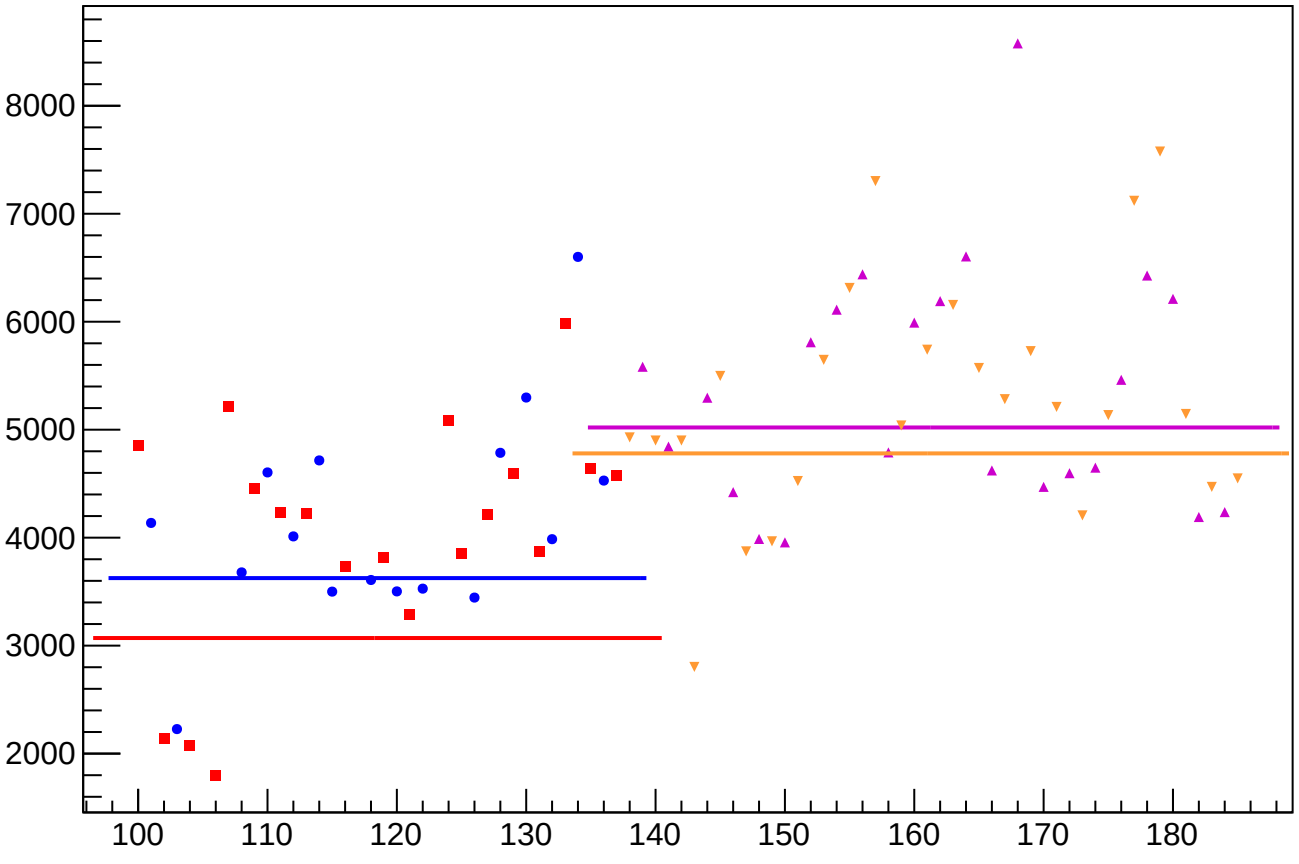
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -755.409+/-876.748 χ^2/NDF: 44.2/40

All: -388.108+/-609.638 χ^2/NDF: 74.3/82

- 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: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

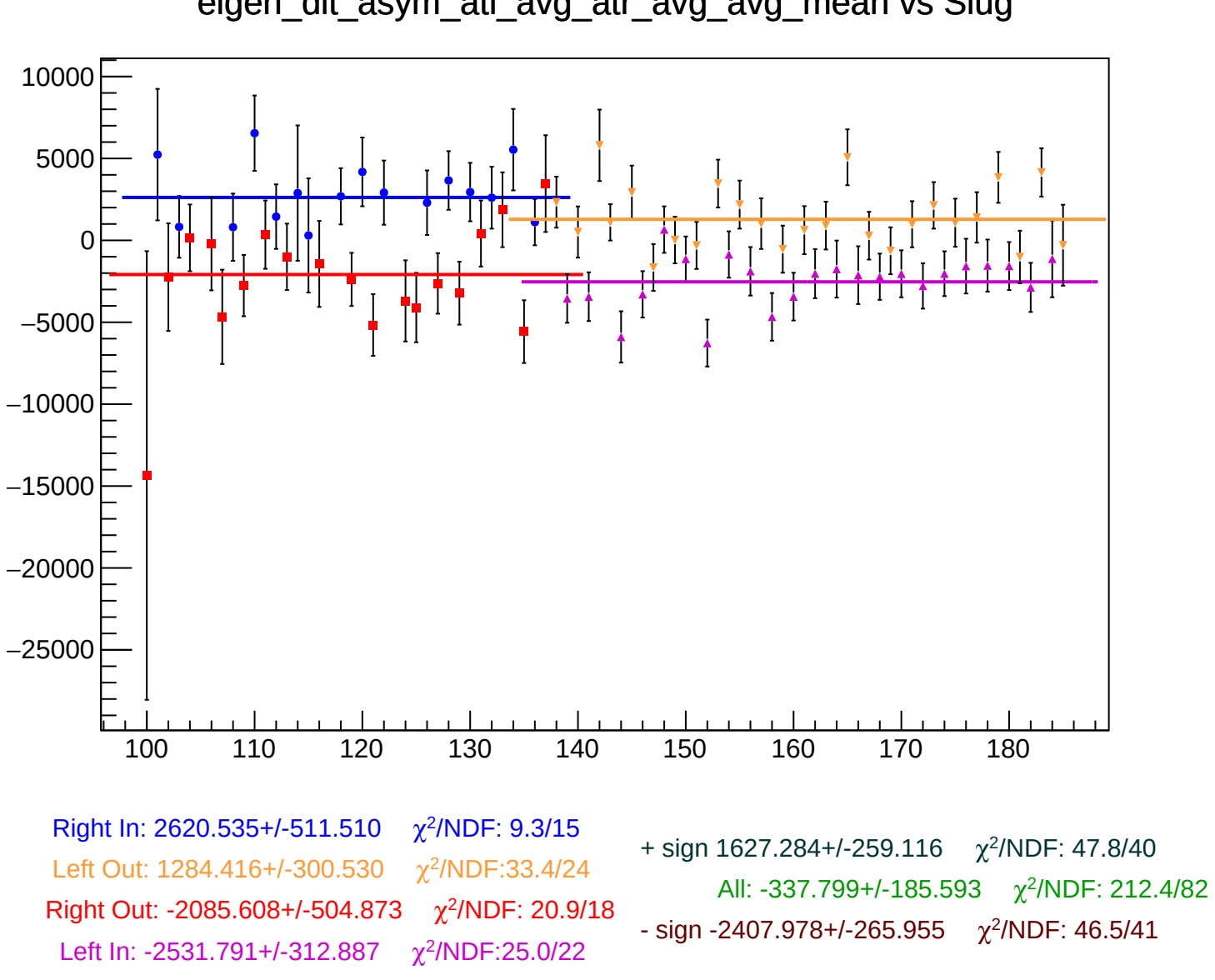
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

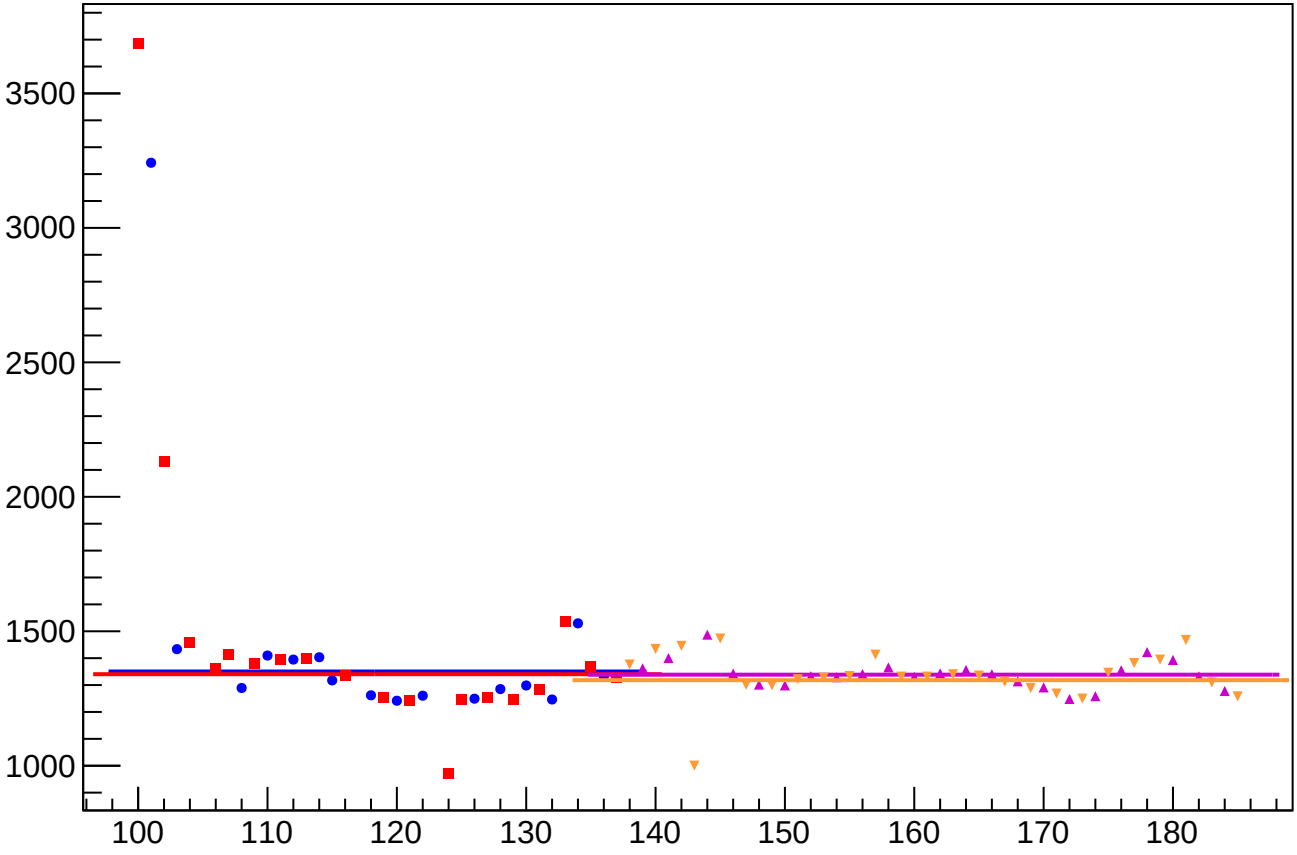
+ sign 4330.336+/-0.620 χ^2/NDF: 3776487.6/40

All: 4185.608+/-0.431 χ^2/NDF: 9588216.3/82

- sign 4050.129+/-0.600 χ^2/NDF: 5706215.0/41


eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 2620.535+/-511.510 χ²/NDF: 9.3/15
Left Out: 1284.416+/-300.530 χ²/NDF:33.4/24
Right Out: -2085.608+/-504.873 χ²/NDF: 20.9/18
Left In: -2531.791+/-312.887 χ²/NDF:25.0/22
+ sign 1627.284+/-259.116 χ²/NDF: 47.8/40
All: -337.799+/-185.593 χ²/NDF: 212.4/82
- sign -2407.978+/-265.955 χ²/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: 1318.176+/-0.213 χ^2/NDF:248550.2/24

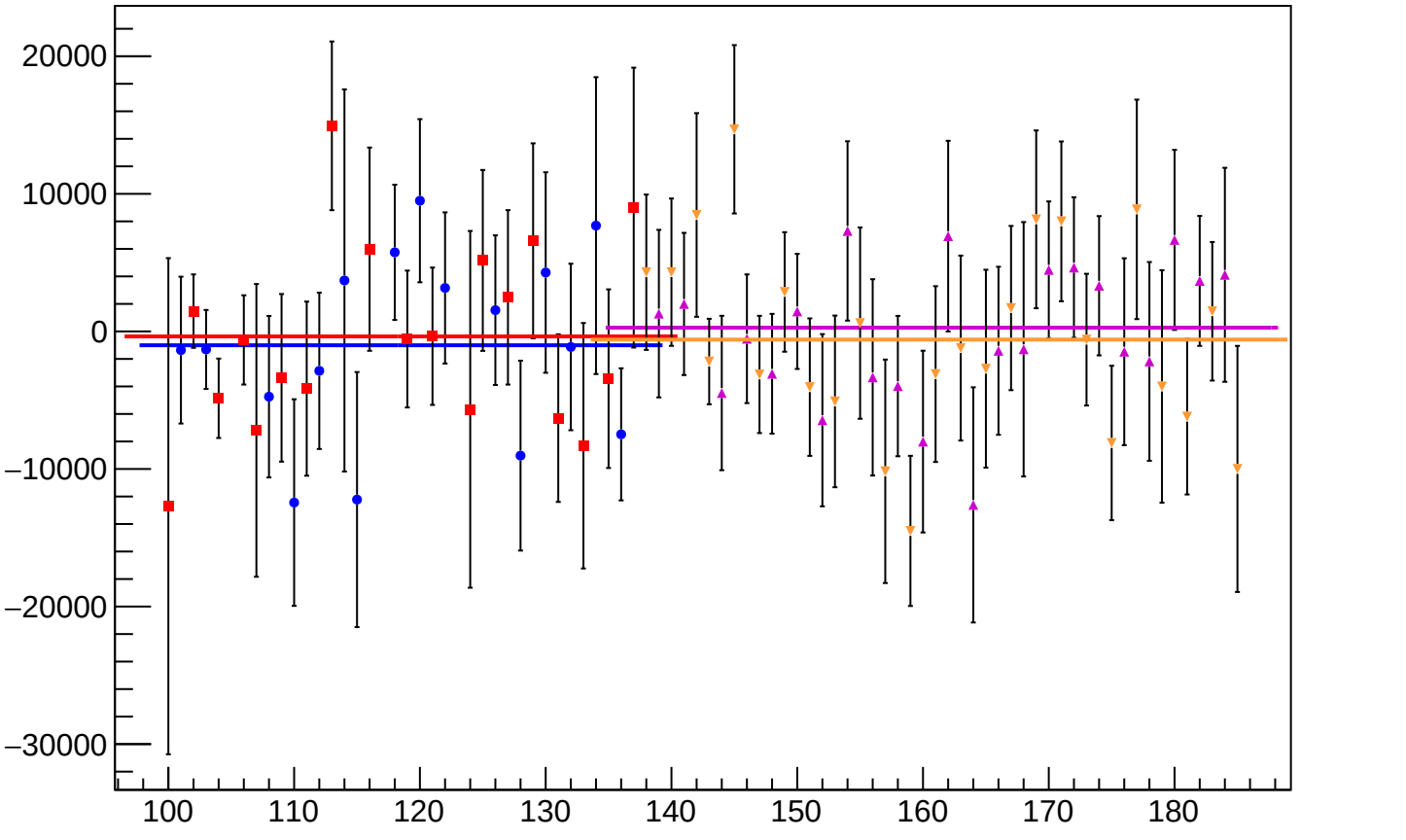
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1326.437+/-0.183 χ^2/NDF: 748490.7/40

All: 1332.610+/-0.131 χ^2/NDF: 1077273.5/82

- 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: -594.920+/-1122.288 χ^2/NDF:29.5/24

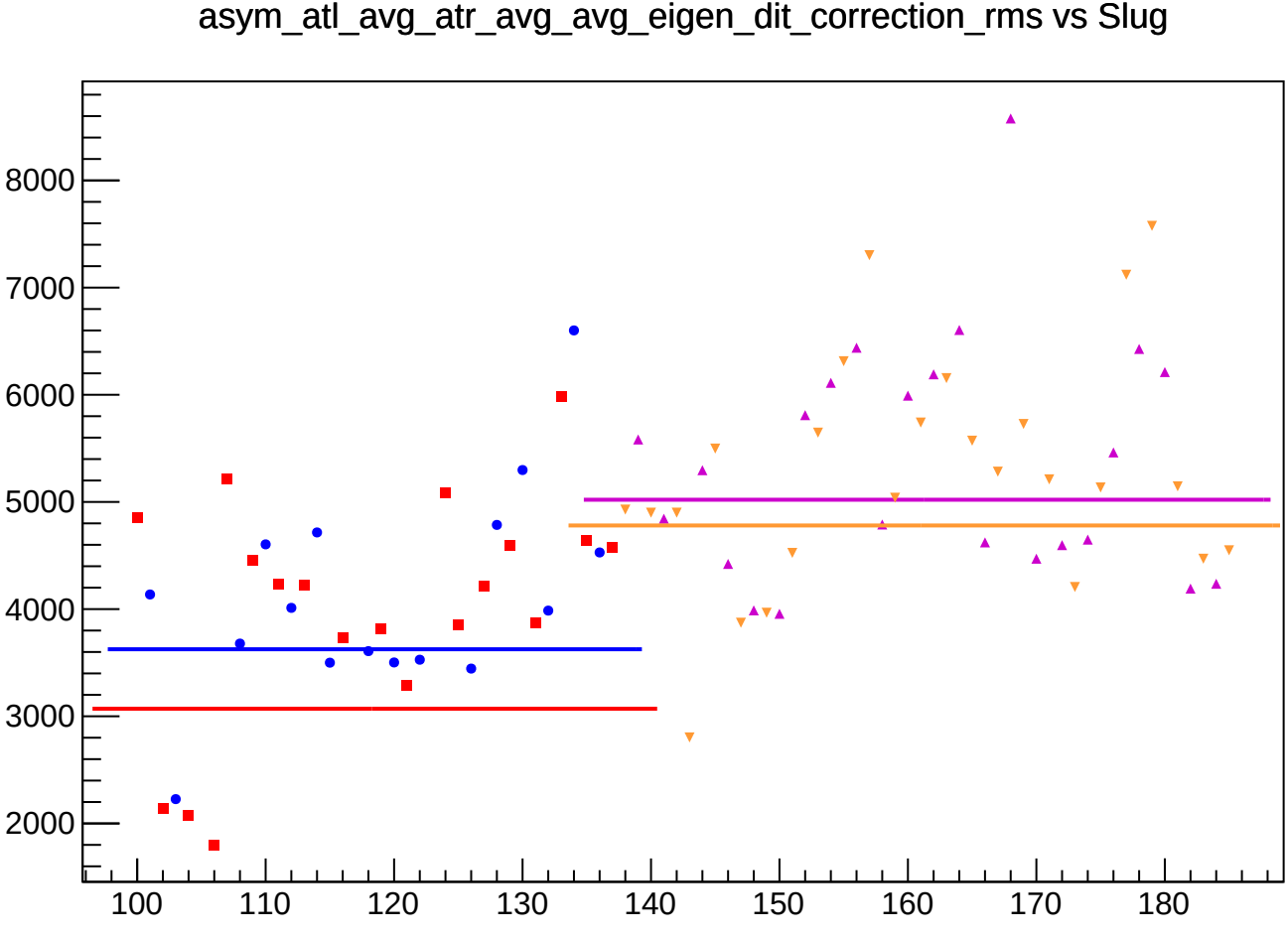
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -755.408+/-876.748 χ^2/NDF: 44.2/40

All: -388.108+/-609.638 χ^2/NDF: 74.3/82

- 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: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

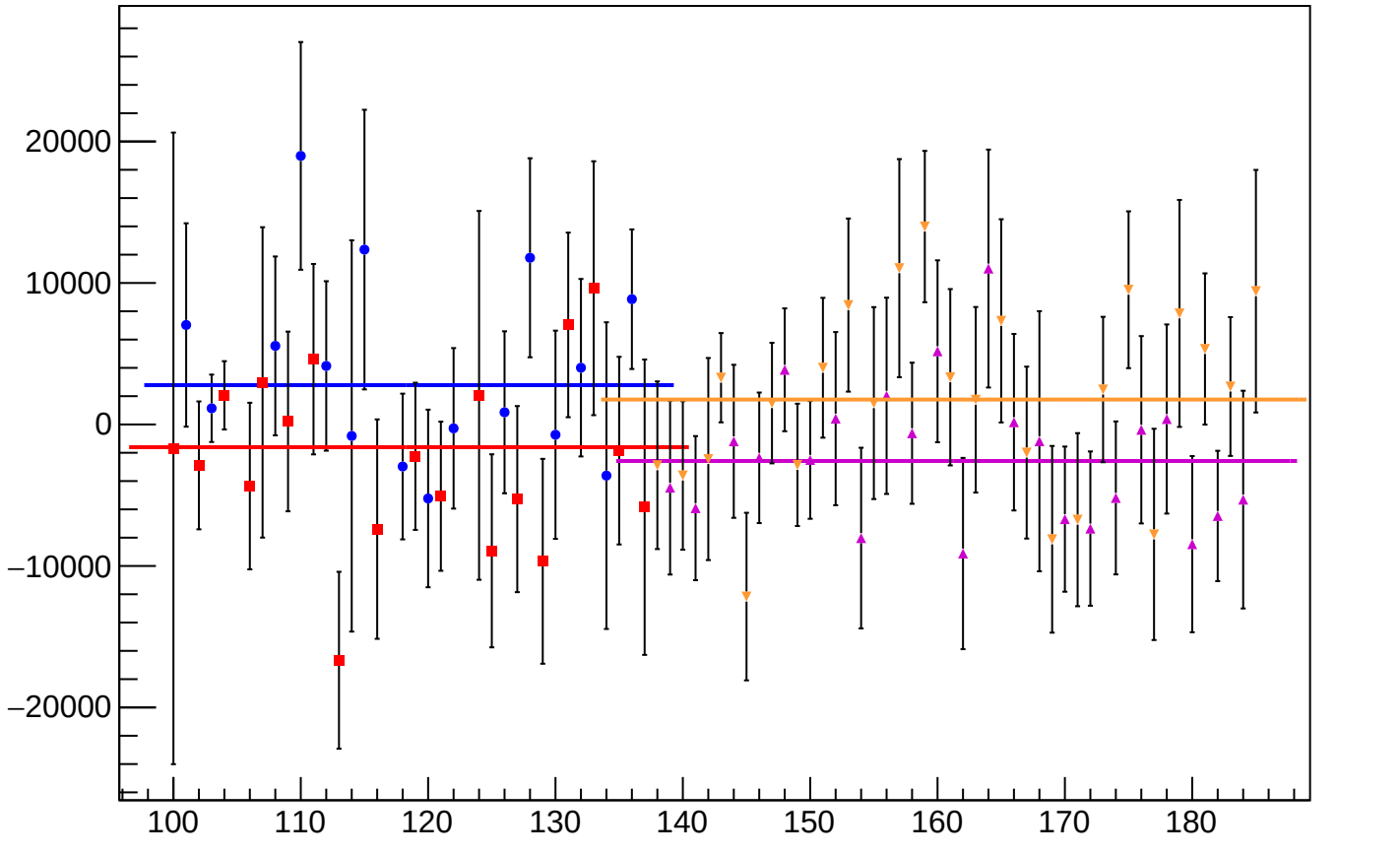
Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4330.335+/-0.620 χ^2/NDF: 3776516.5/40

All: 4185.606+/-0.431 χ^2/NDF: 9588301.1/82

- sign 4050.124+/-0.600 χ^2/NDF: 5706268.0/41



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

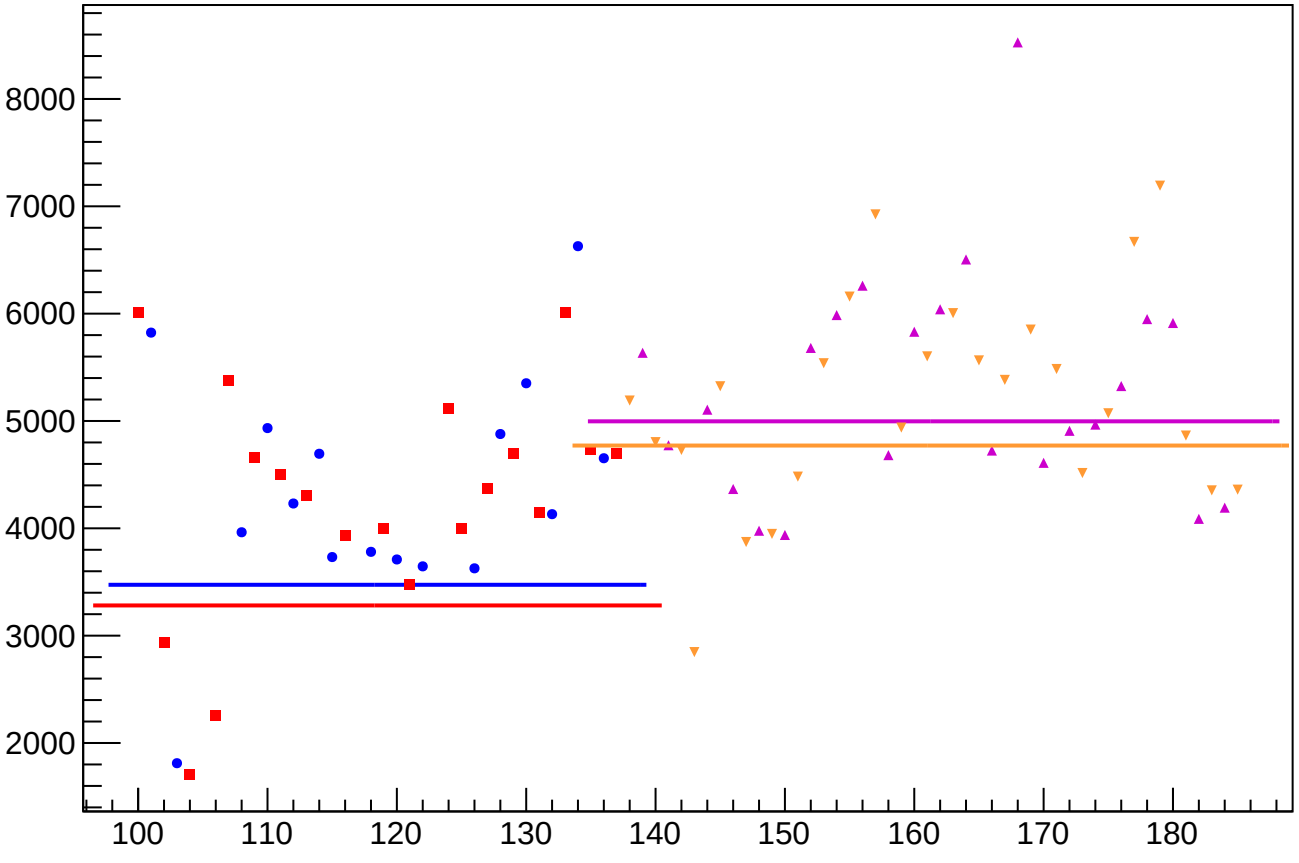
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2161.458+/-870.199 χ^2/NDF: 41.2/40

All: 50.700+/-621.611 χ^2/NDF: 83.5/82

- 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: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

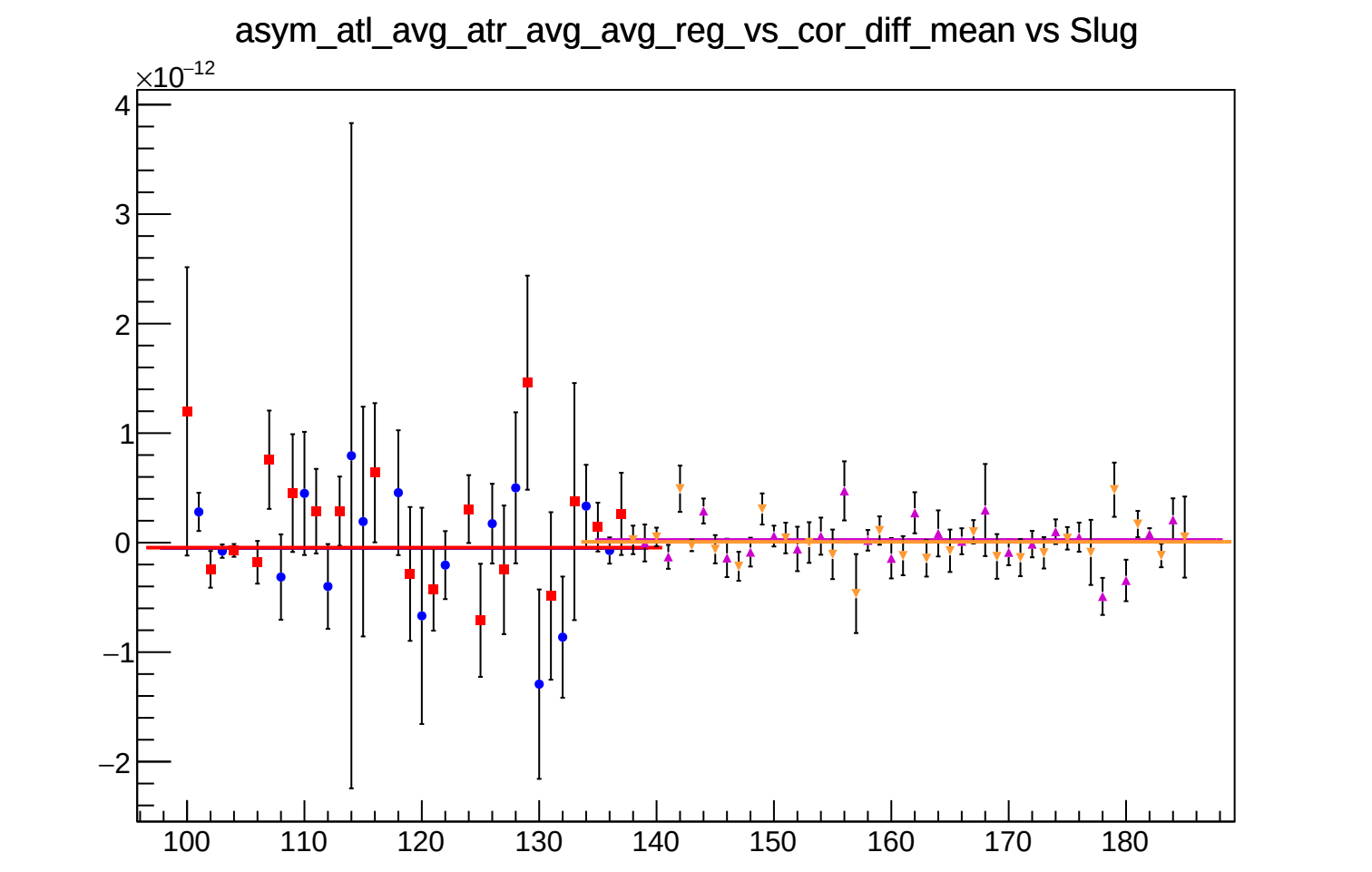
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4262.322+/-0.615 χ^2/NDF: 4690672.4/40

All: 4245.408+/-0.438 χ^2/NDF: 9530660.0/82

- sign 4227.999+/-0.624 χ^2/NDF: 4838454.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

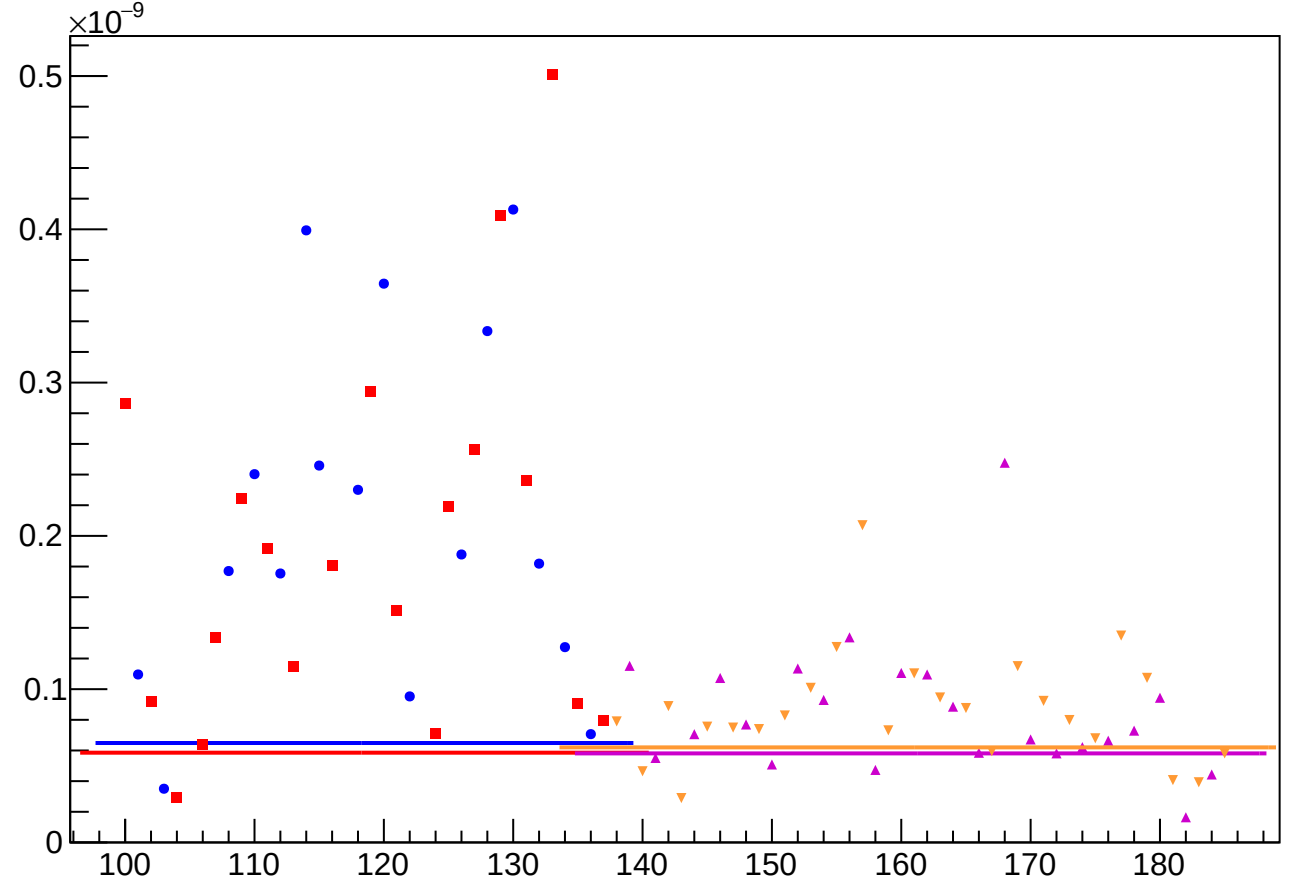
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/40

All: 0.000+/-0.000 χ^2/NDF: 93.9/82

- sign 0.000+/-0.000 χ^2/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:2443383.4/24

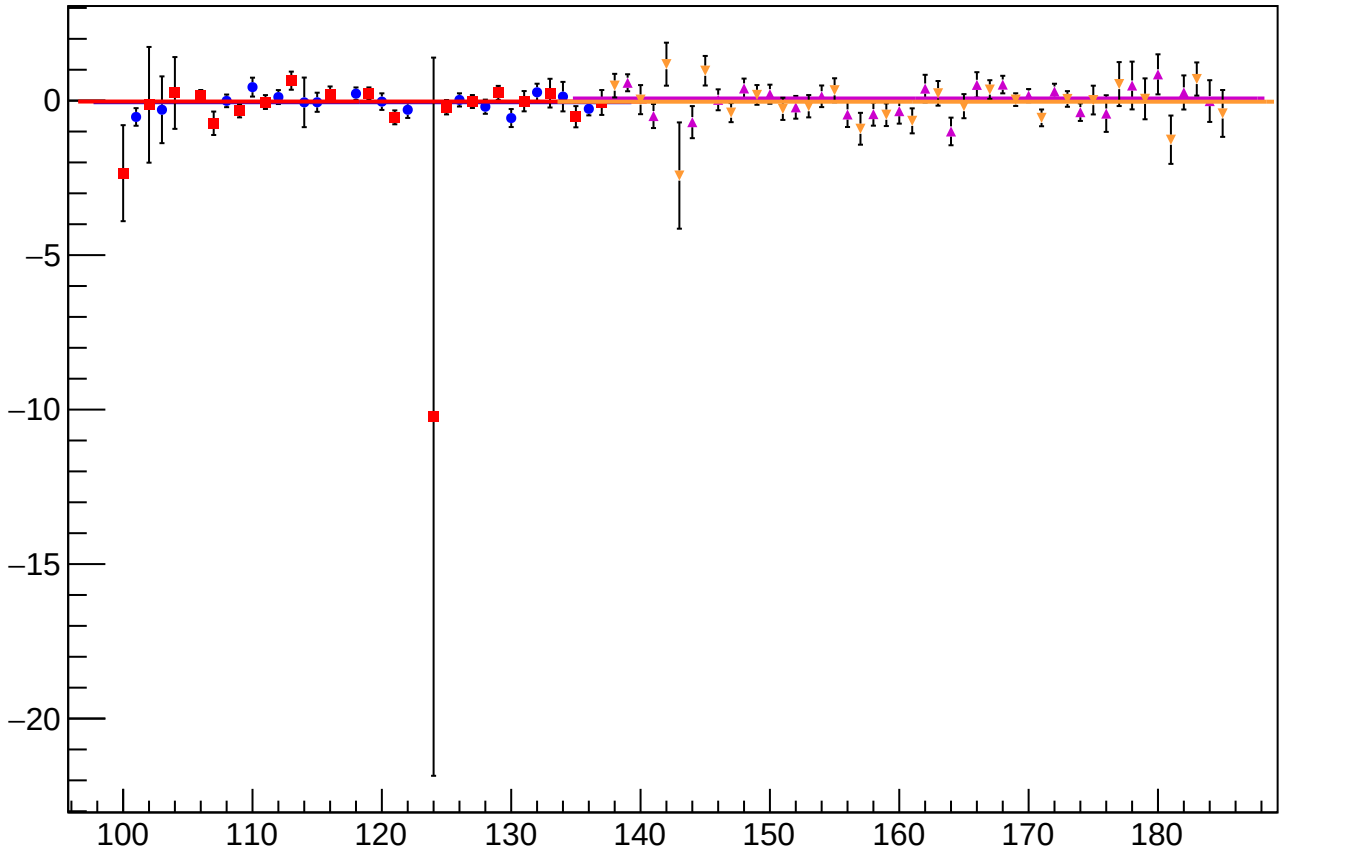
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5041694.1/40

All: 0.000+/-0.000 χ^2/NDF: 10901192.8/82

- 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: -0.035+/-0.077 χ^2/NDF:32.5/24

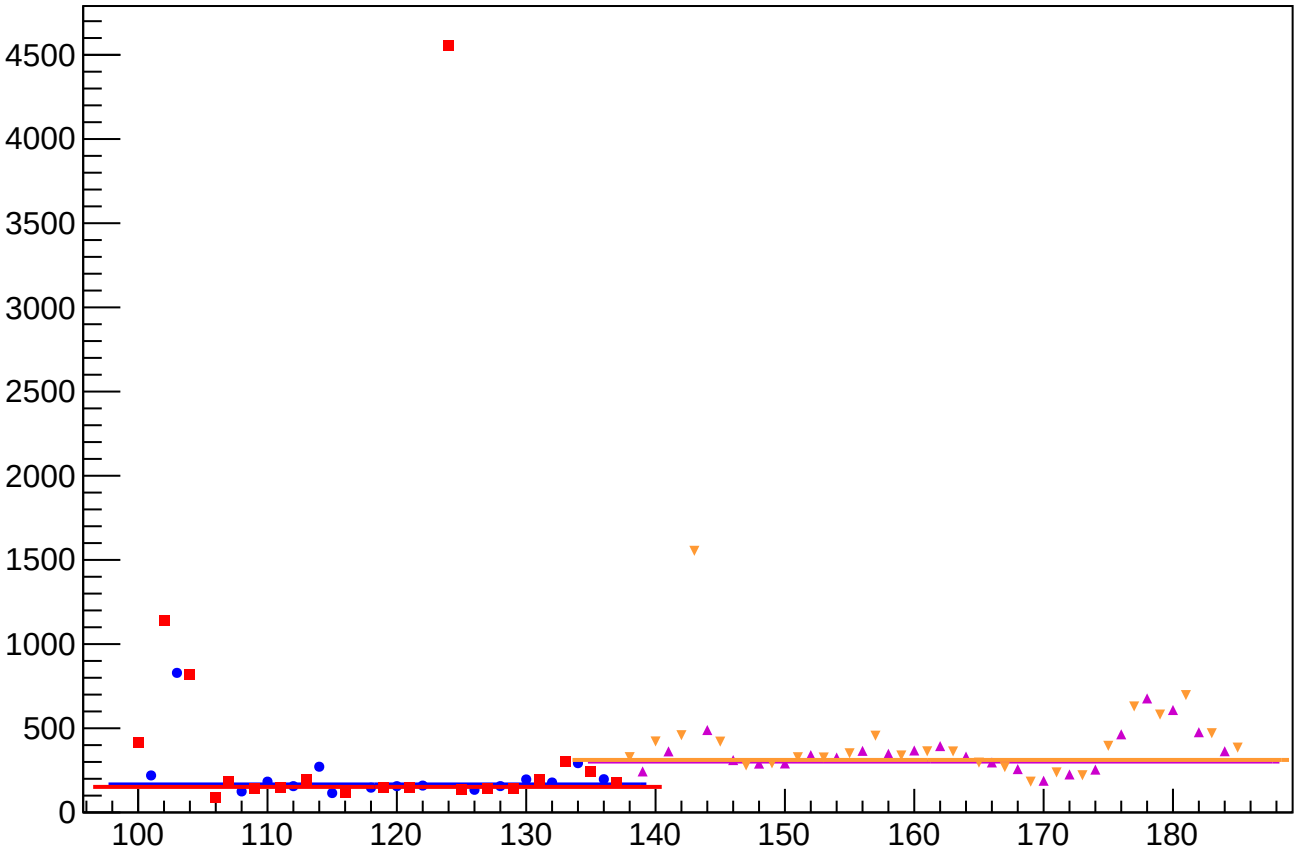
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.044+/-0.050 χ^2/NDF: 47.4/40

All: -0.015+/-0.035 χ^2/NDF: 106.5/82

- 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: 311.961+/-0.054 χ^2/NDF:4350162.2/24

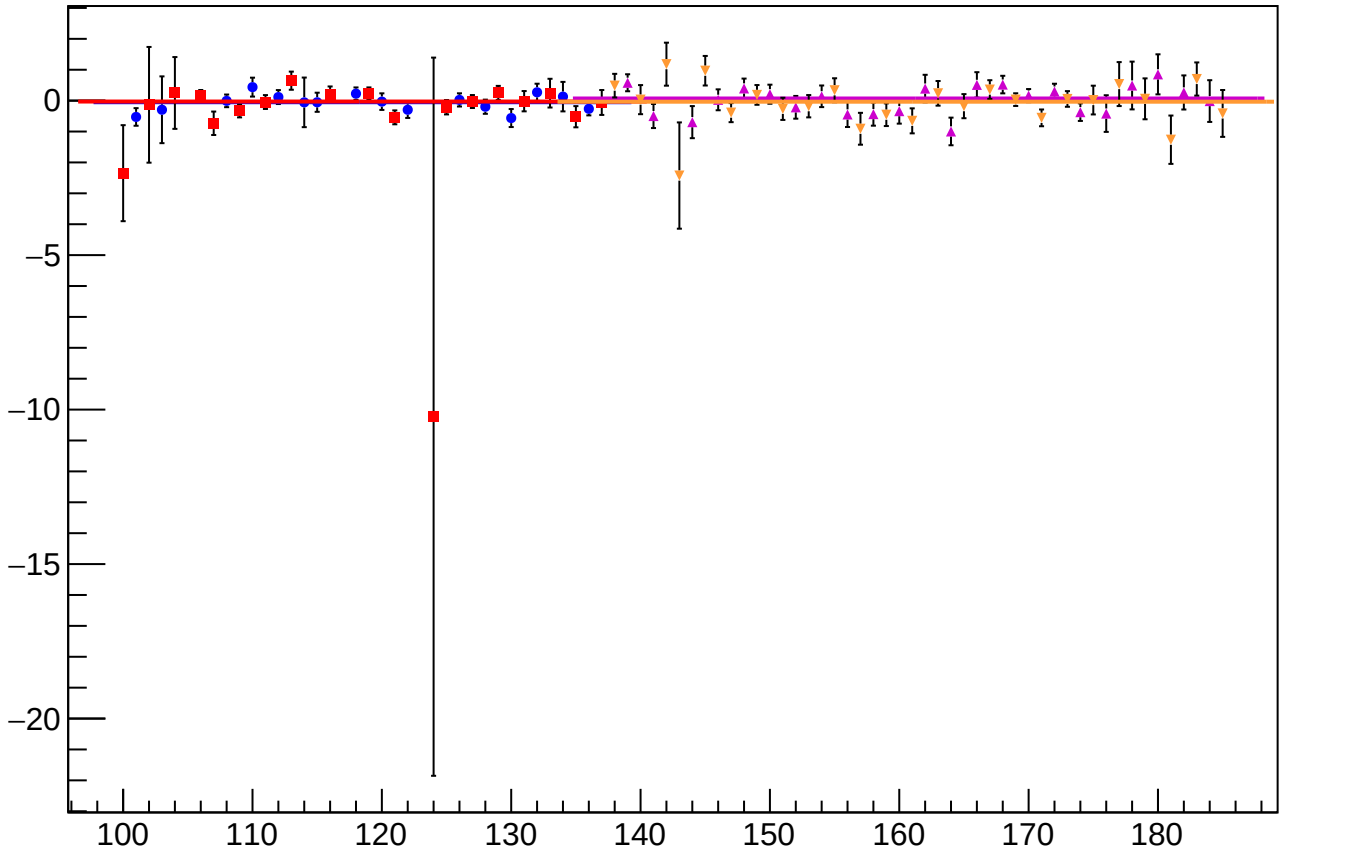
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 229.110+/-0.036 χ^2/NDF: 9736765.0/40

All: 222.008+/-0.025 χ^2/NDF: 19609598.1/82

- 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: -0.035+/-0.077 χ^2/NDF:32.5/24

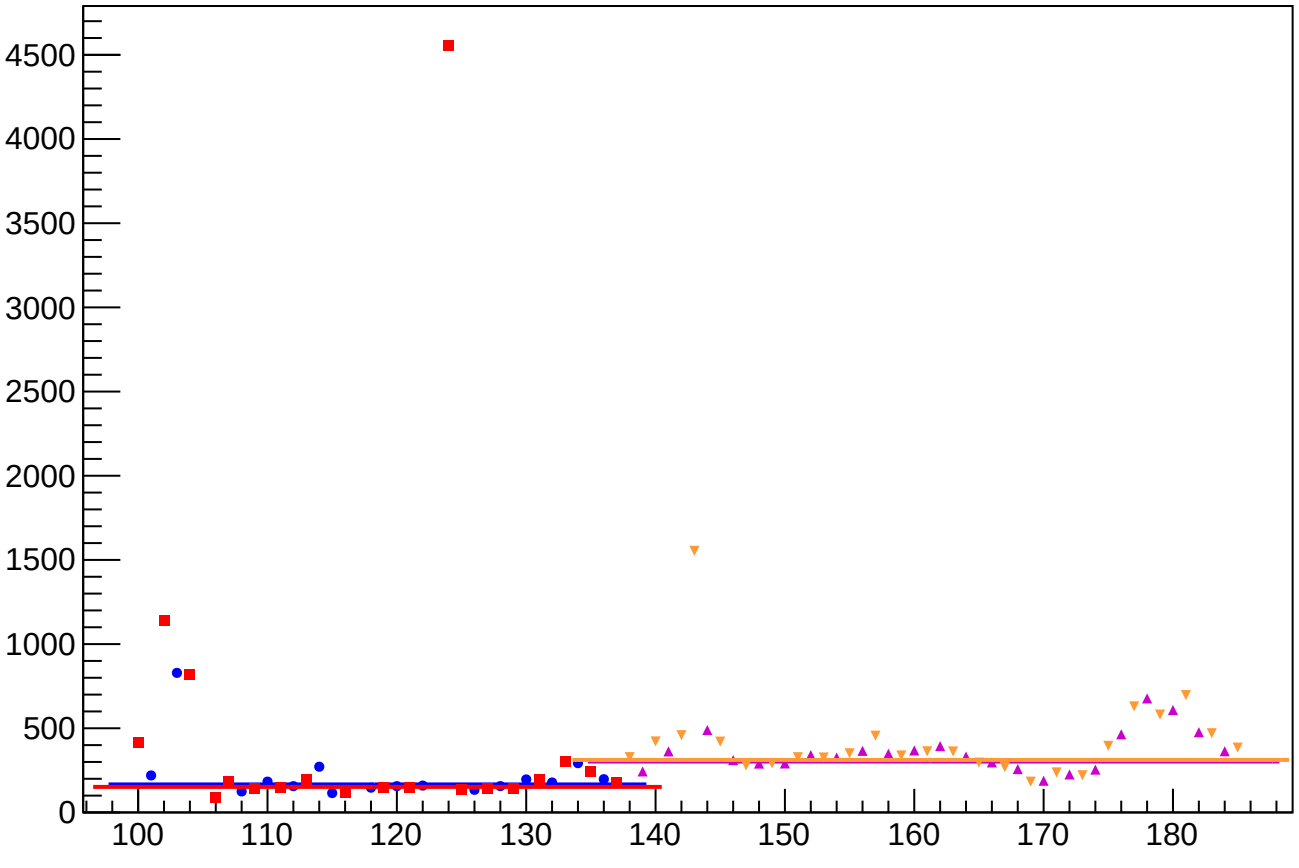
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.044+/-0.050 χ^2/NDF: 47.4/40

All: -0.015+/-0.035 χ^2/NDF: 106.5/82

- 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: 311.961+/-0.054 χ^2/NDF:4350162.2/24

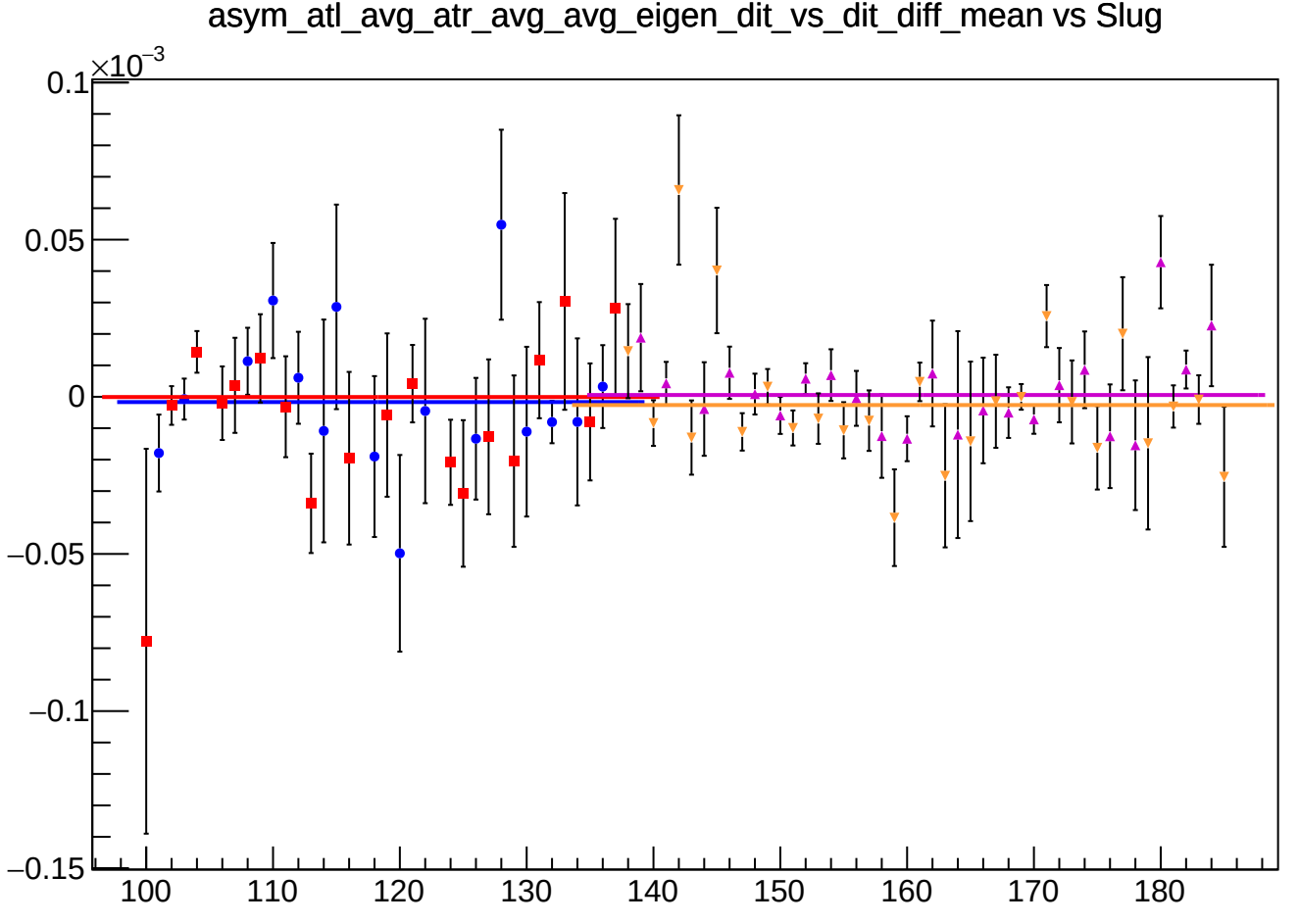
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 229.110+/-0.036 χ^2/NDF: 9736765.0/40

All: 222.008+/-0.025 χ^2/NDF: 19609598.1/82

- 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:42.4/24

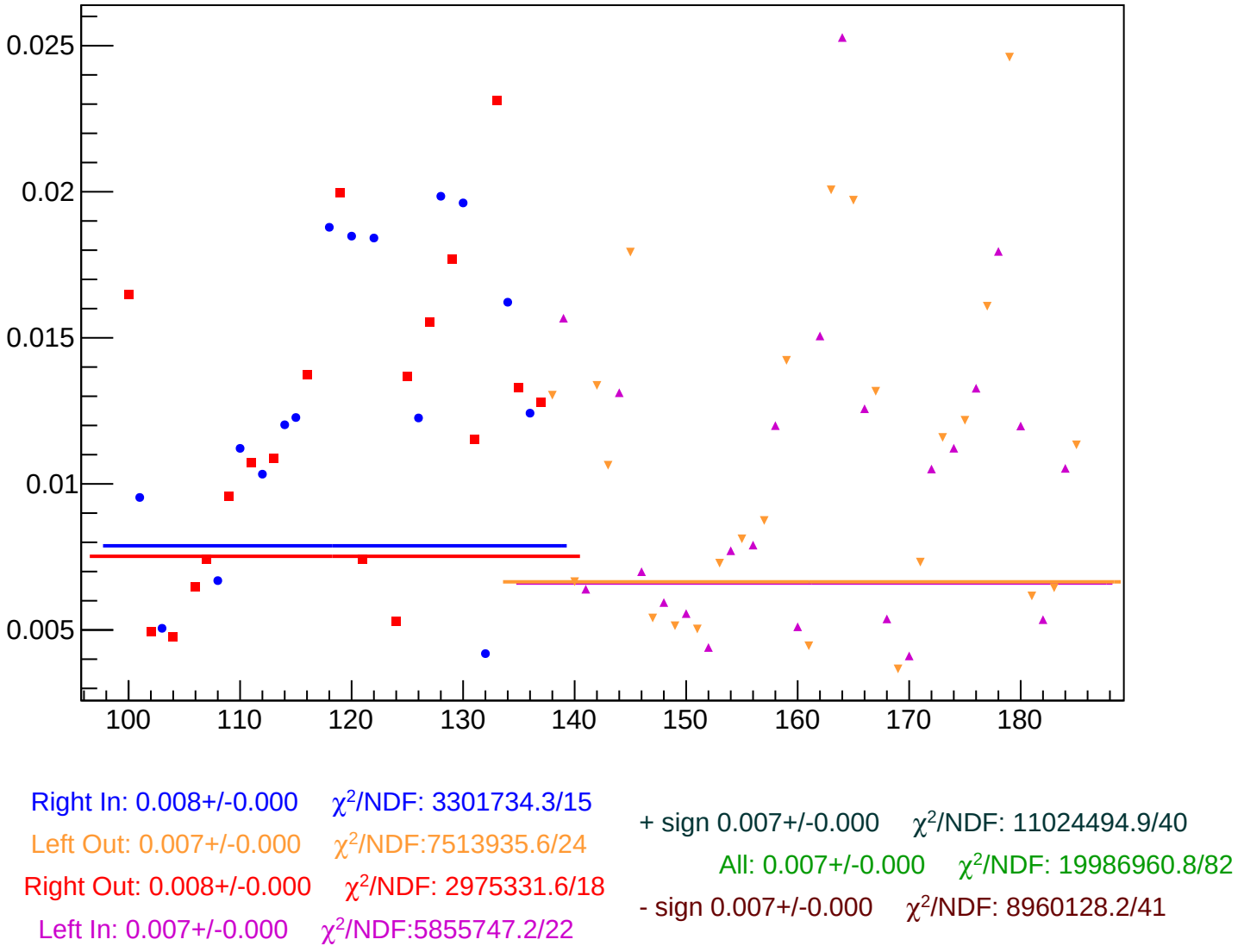
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

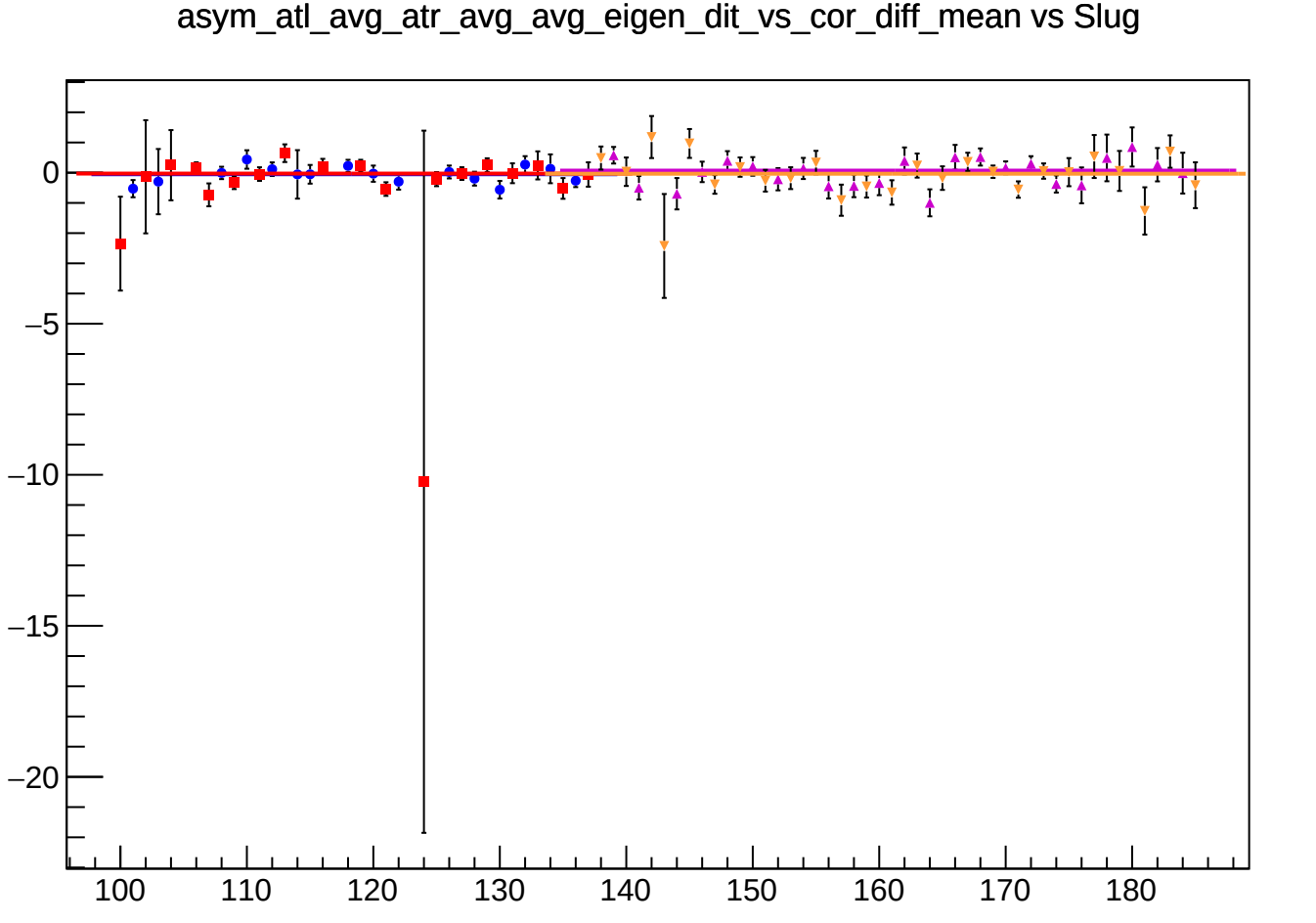
Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.0/40

All: -0.000+/-0.000 χ^2/NDF: 106.4/82

- sign 0.000+/-0.000 χ^2/NDF: 46.8/41


asym_atl_avg_atr_avg_avg_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: 0.008+/-0.000 χ²/NDF: 3301734.3/15
Left Out: 0.007+/-0.000 χ²/NDF:7513935.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 2975331.6/18
Left In: 0.007+/-0.000 χ²/NDF:5855747.2/22
+ sign 0.007+/-0.000 χ²/NDF: 11024494.9/40
All: 0.007+/-0.000 χ²/NDF: 19986960.8/82
- sign 0.007+/-0.000 χ²/NDF: 8960128.2/41



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

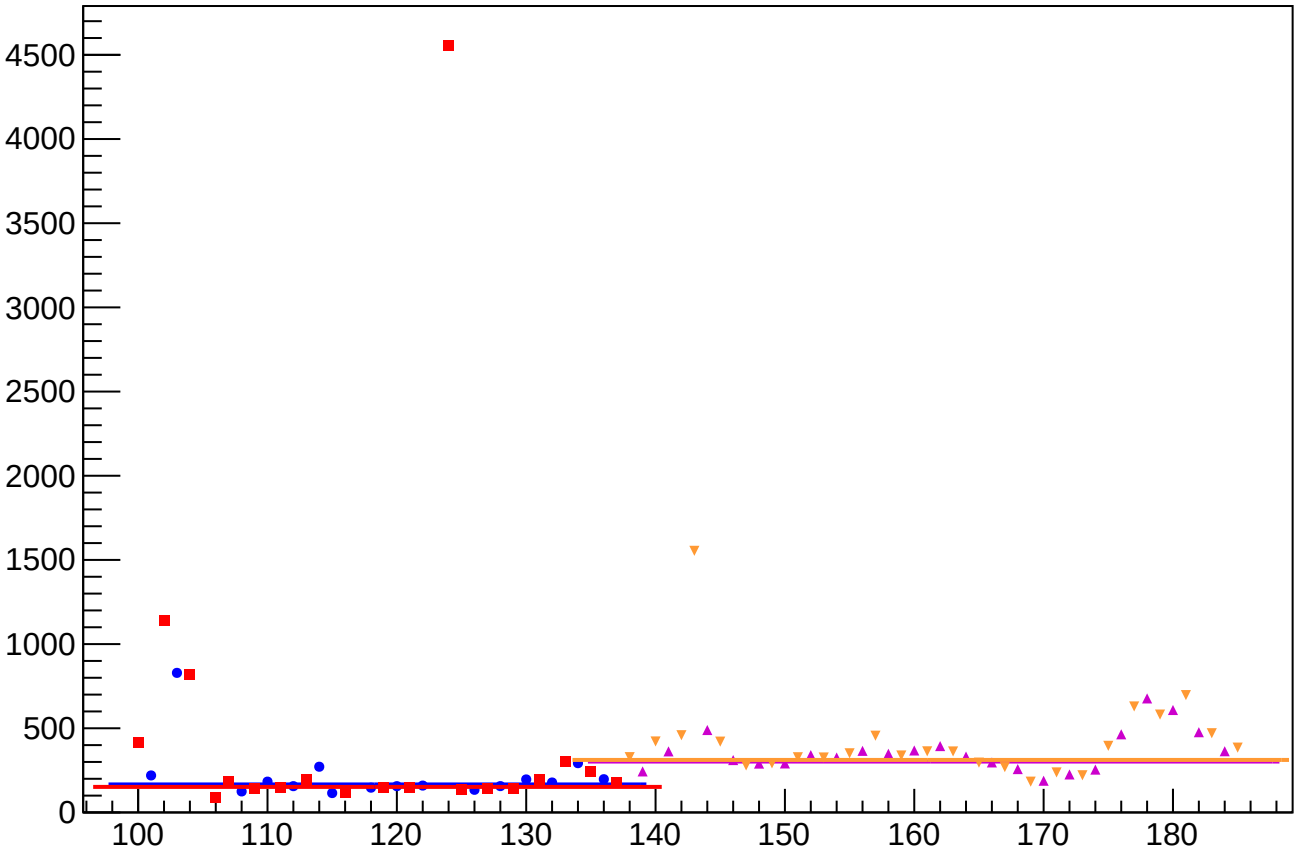
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.044+/-0.050 χ^2/NDF: 47.4/40

All: -0.015+/-0.035 χ^2/NDF: 106.5/82

- 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: 311.961+/-0.054 χ^2/NDF:4350376.6/24

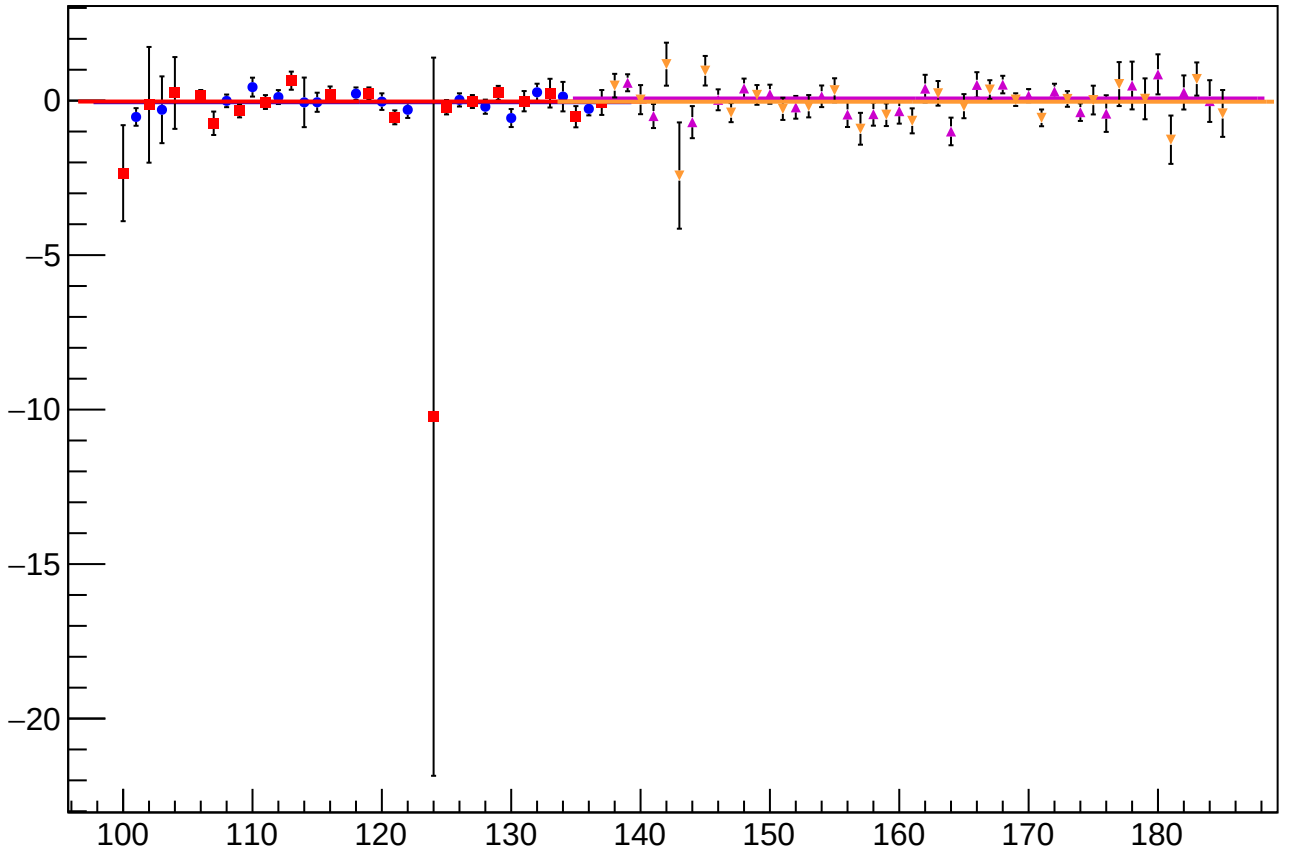
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 229.109+/-0.036 χ^2/NDF: 9737021.7/40

All: 222.007+/-0.025 χ^2/NDF: 19610161.1/82

- 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: -0.035+/-0.077 χ^2/NDF:32.5/24

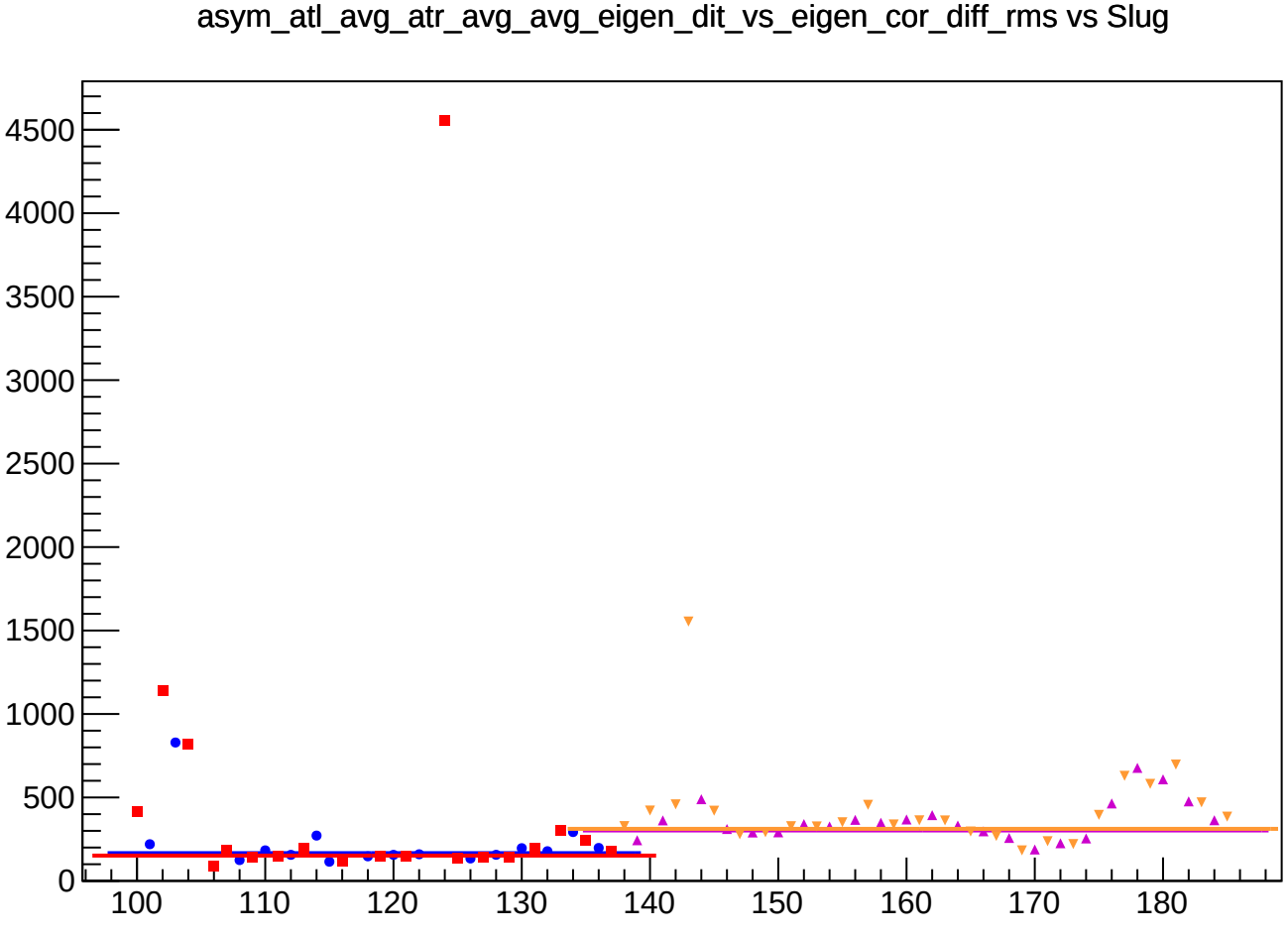
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.044+/-0.050 χ^2/NDF: 47.4/40

All: -0.015+/-0.035 χ^2/NDF: 106.5/82

- sign 0.012+/-0.049 χ^2/NDF: 58.4/41


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
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2500
2000
1500
1000
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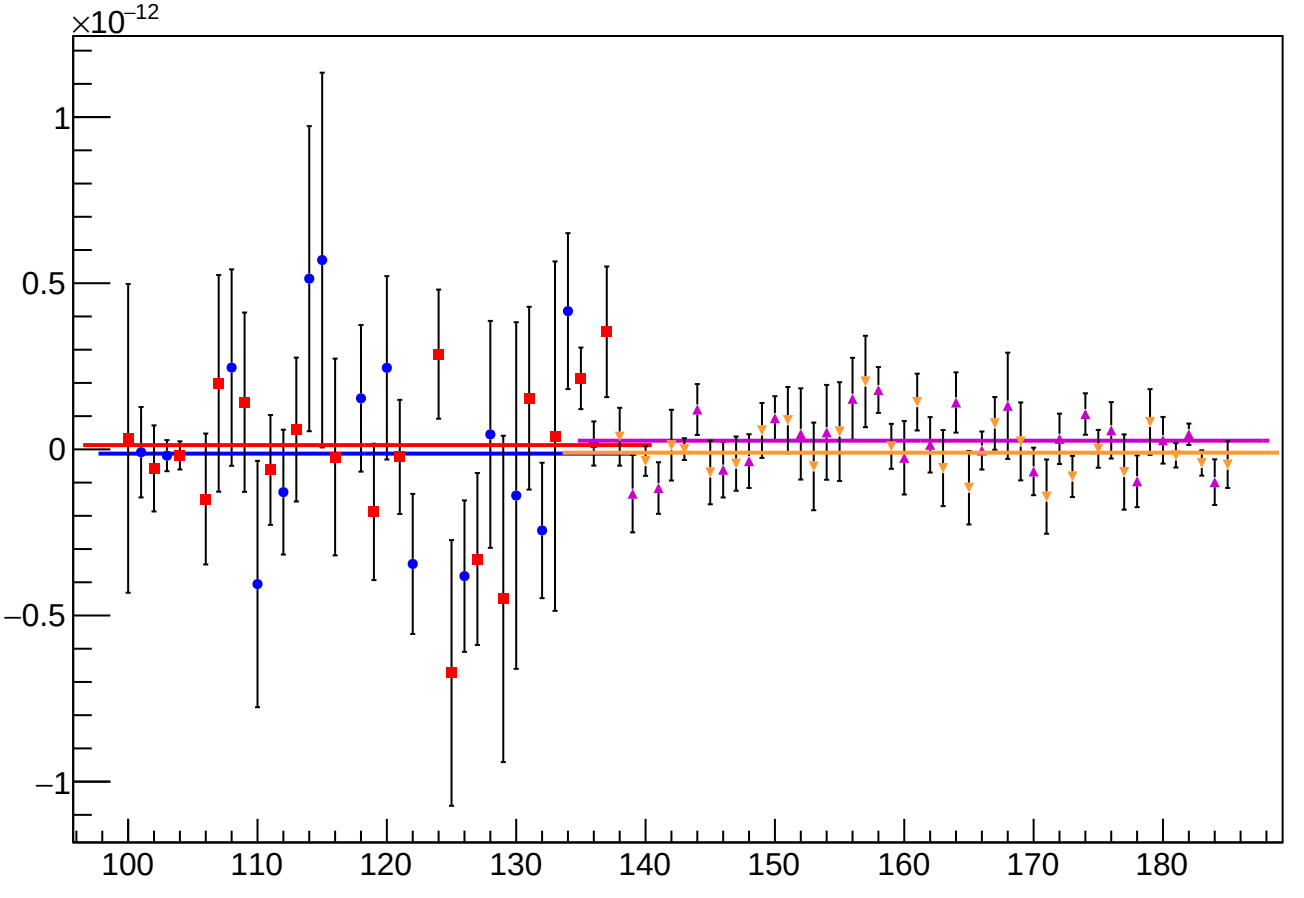
0
100
110
120
130
140
150
160
170
180
Right In: 166.359+/-0.047 χ²/NDF: 1282724.2/15
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 151.790+/-0.045 χ²/NDF: 2315641.8/18
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 229.109+/-0.036 χ²/NDF: 9737021.7/40
All: 222.007+/-0.025 χ²/NDF: 19610161.1/82
- sign 215.367+/-0.034 χ²/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:16.2/24

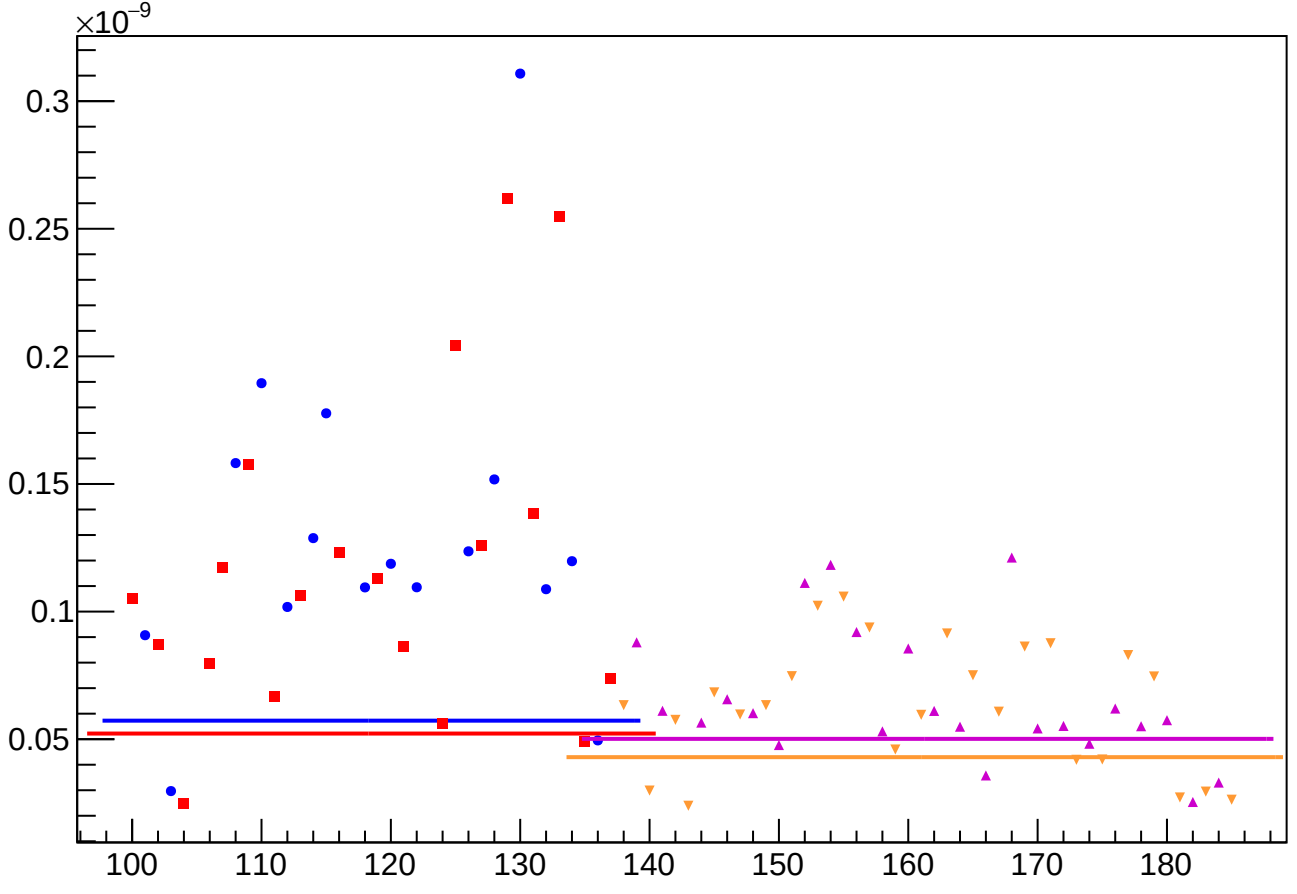
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/40

All: 0.000+/-0.000 χ^2/NDF: 82.3/82

- 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:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

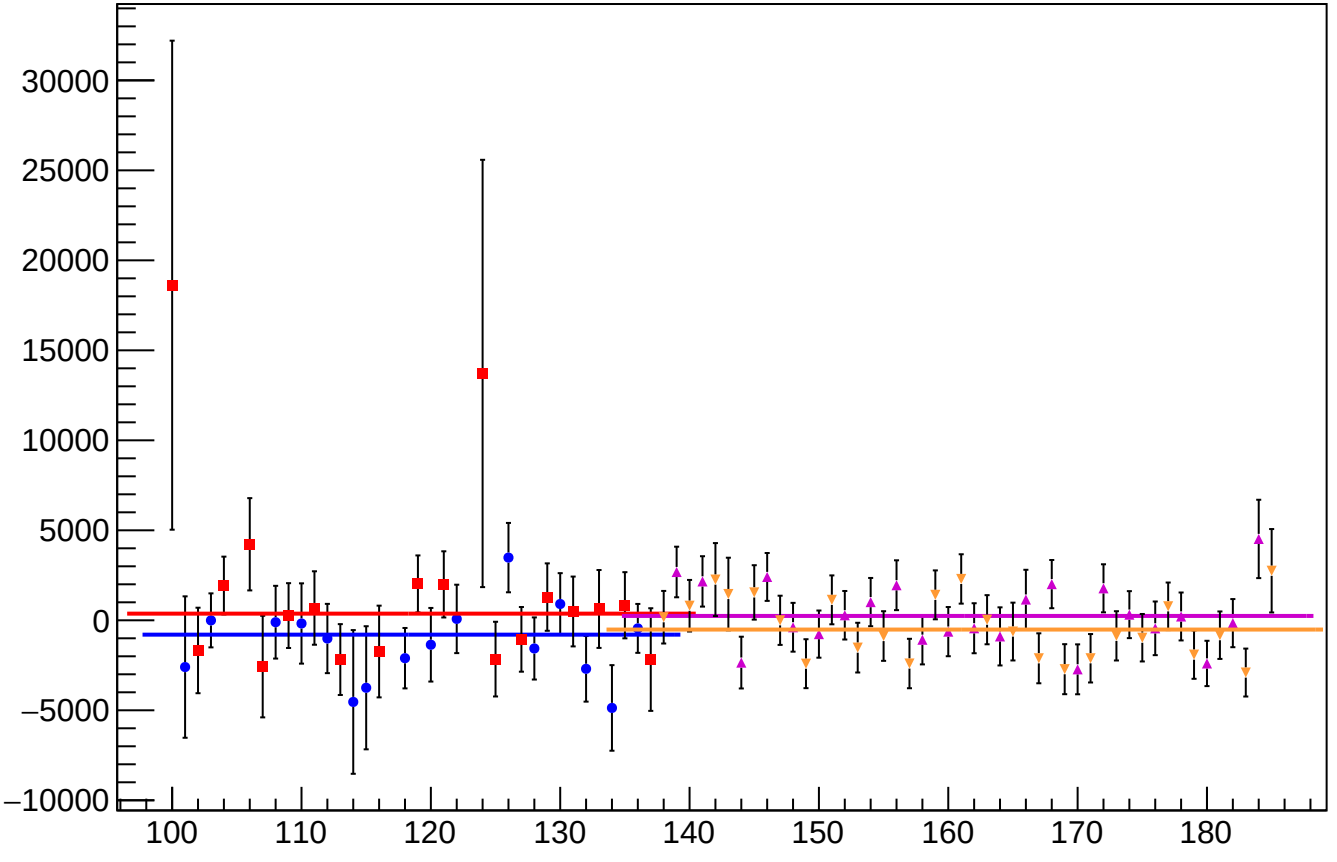
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8381262.5/40

All: 0.000+/-0.000 χ^2/NDF: 15465567.0/82

- 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: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

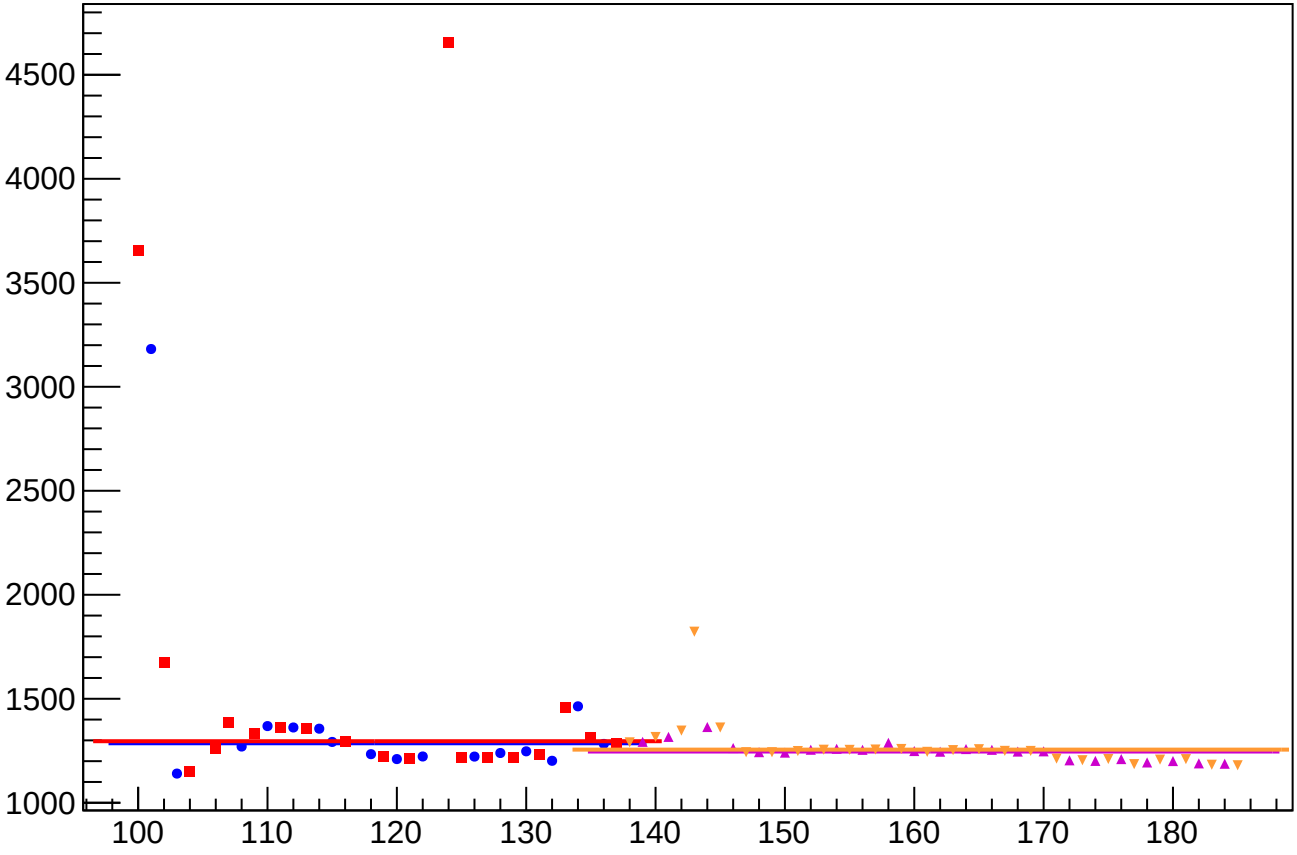
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -586.885+/-246.641 χ^2/NDF: 44.6/40

All: -160.679+/-175.489 χ^2/NDF: 98.3/82

- 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: 1255.514+/-0.202 χ^2/NDF:203124.1/24

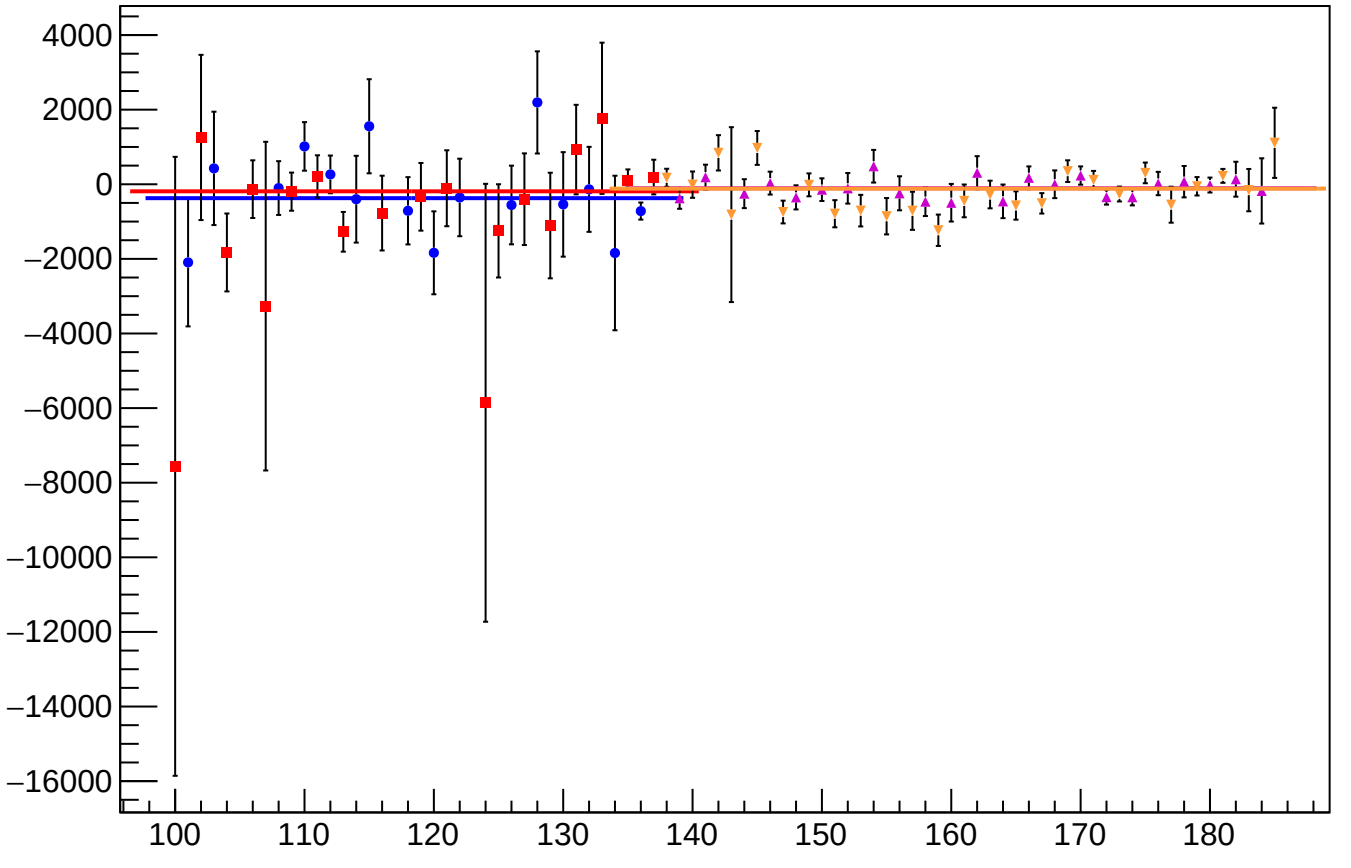
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727108.3/40

All: 1261.426+/-0.124 χ^2/NDF: 1110610.4/82

- 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: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

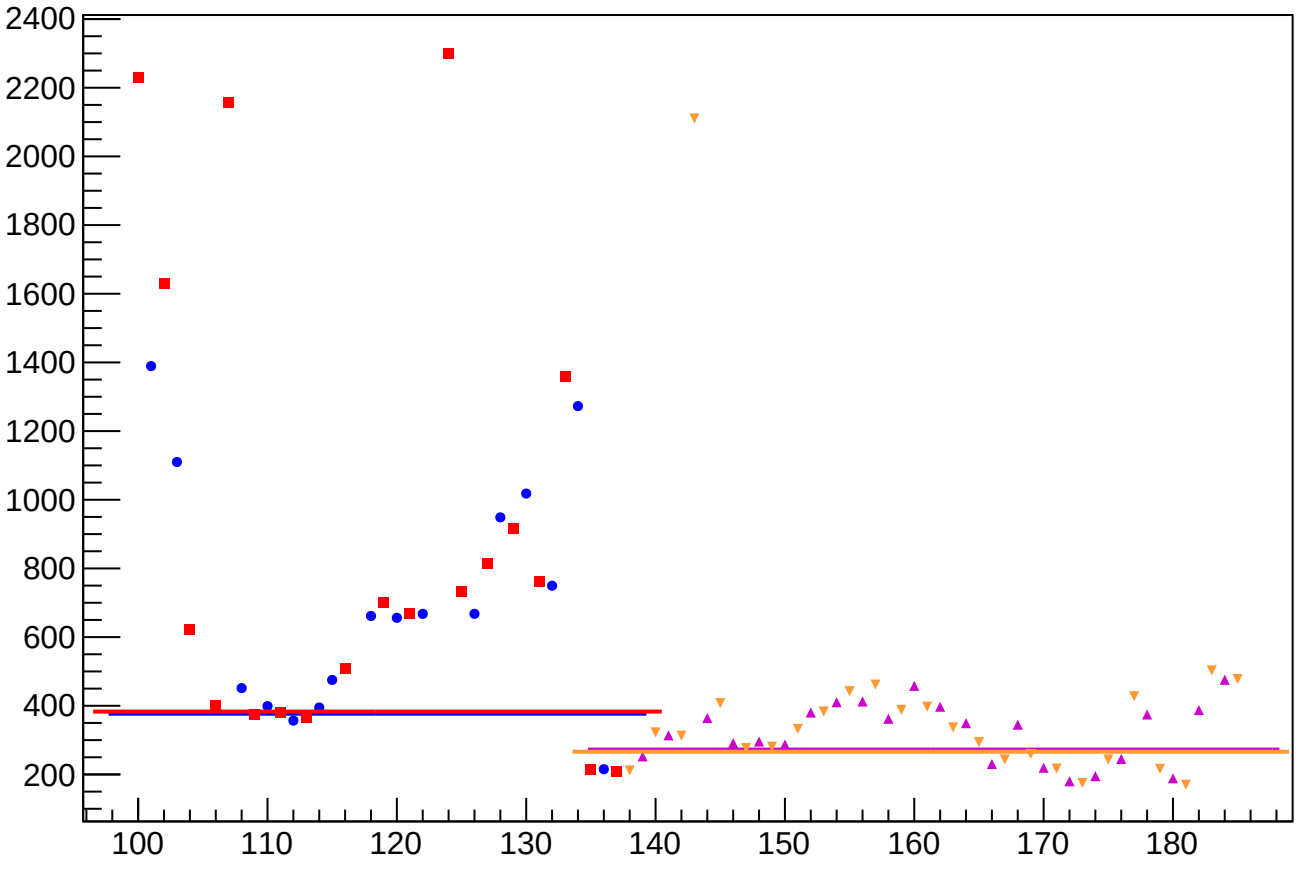
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -150.251+/-60.678 χ^2/NDF: 68.6/40

All: -134.730+/-43.473 χ^2/NDF: 97.3/82

- 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: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

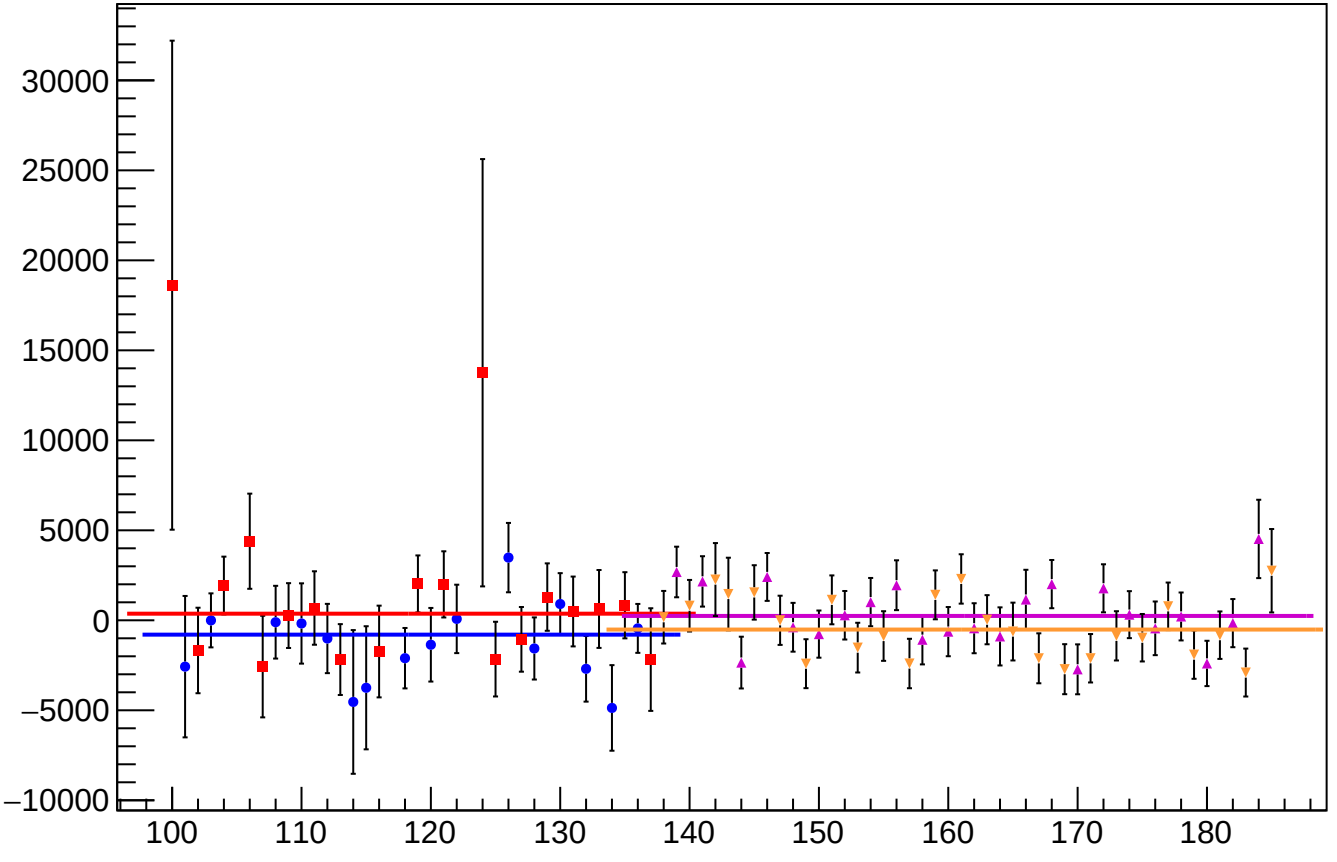
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 280.710+/-0.043 χ^2/NDF: 9572120.5/40

All: 283.926+/-0.031 χ^2/NDF: 17262909.3/82

- 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: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

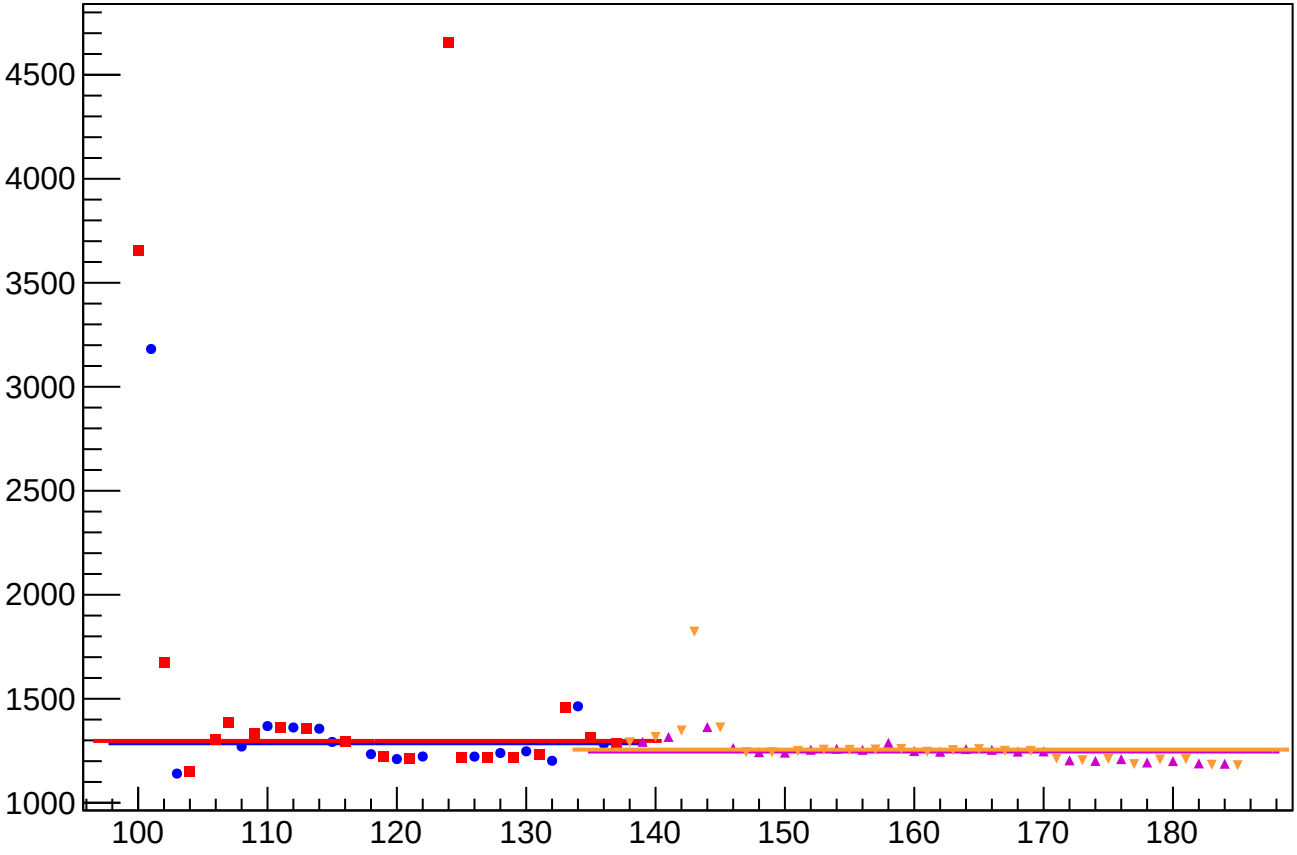
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -586.742+/-246.641 χ^2/NDF: 44.6/40

All: -161.093+/-175.514 χ^2/NDF: 98.4/82

- 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: 1255.514+/-0.202 χ^2/NDF:203124.0/24

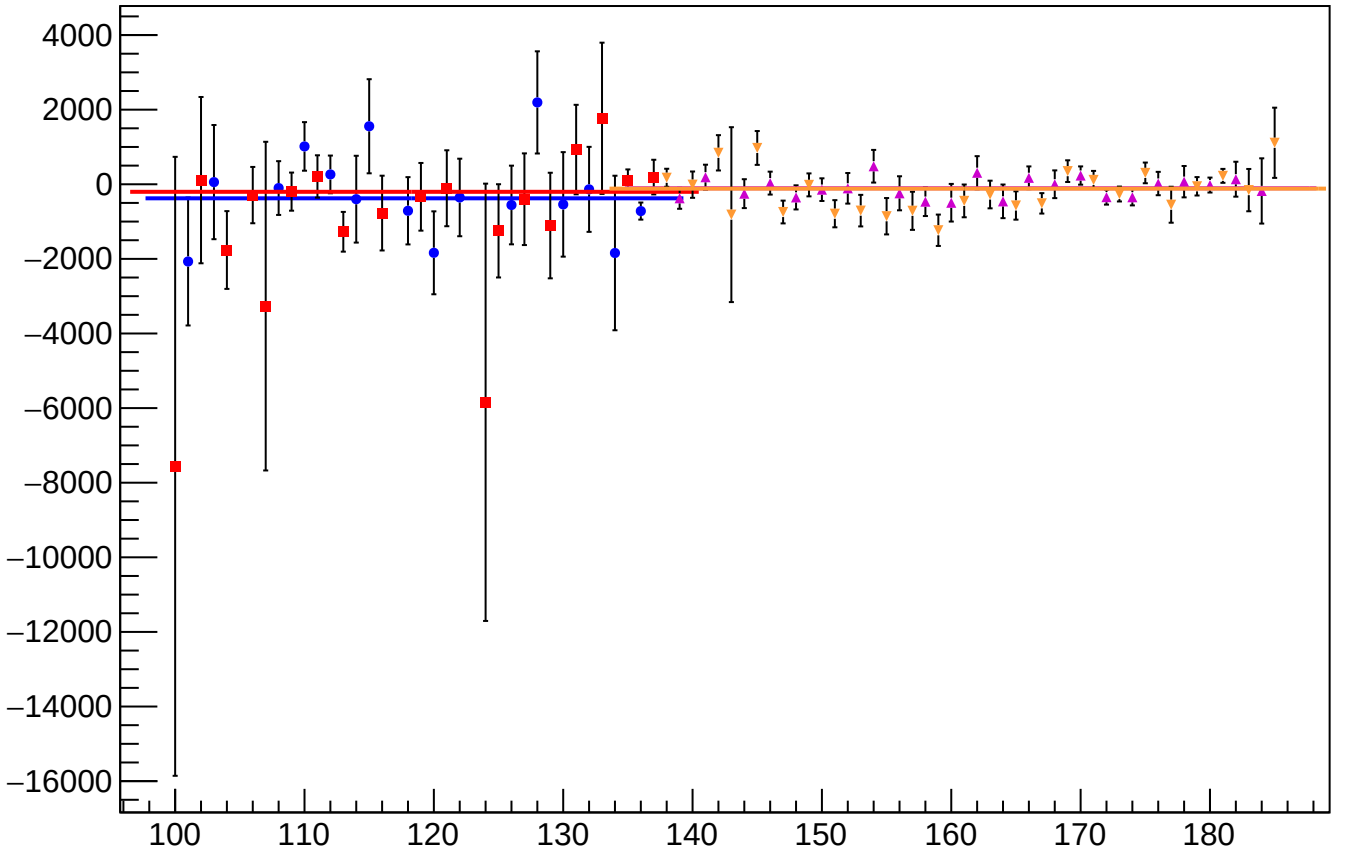
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727109.6/40

All: 1261.605+/-0.124 χ^2/NDF: 1111124.6/82

- 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: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

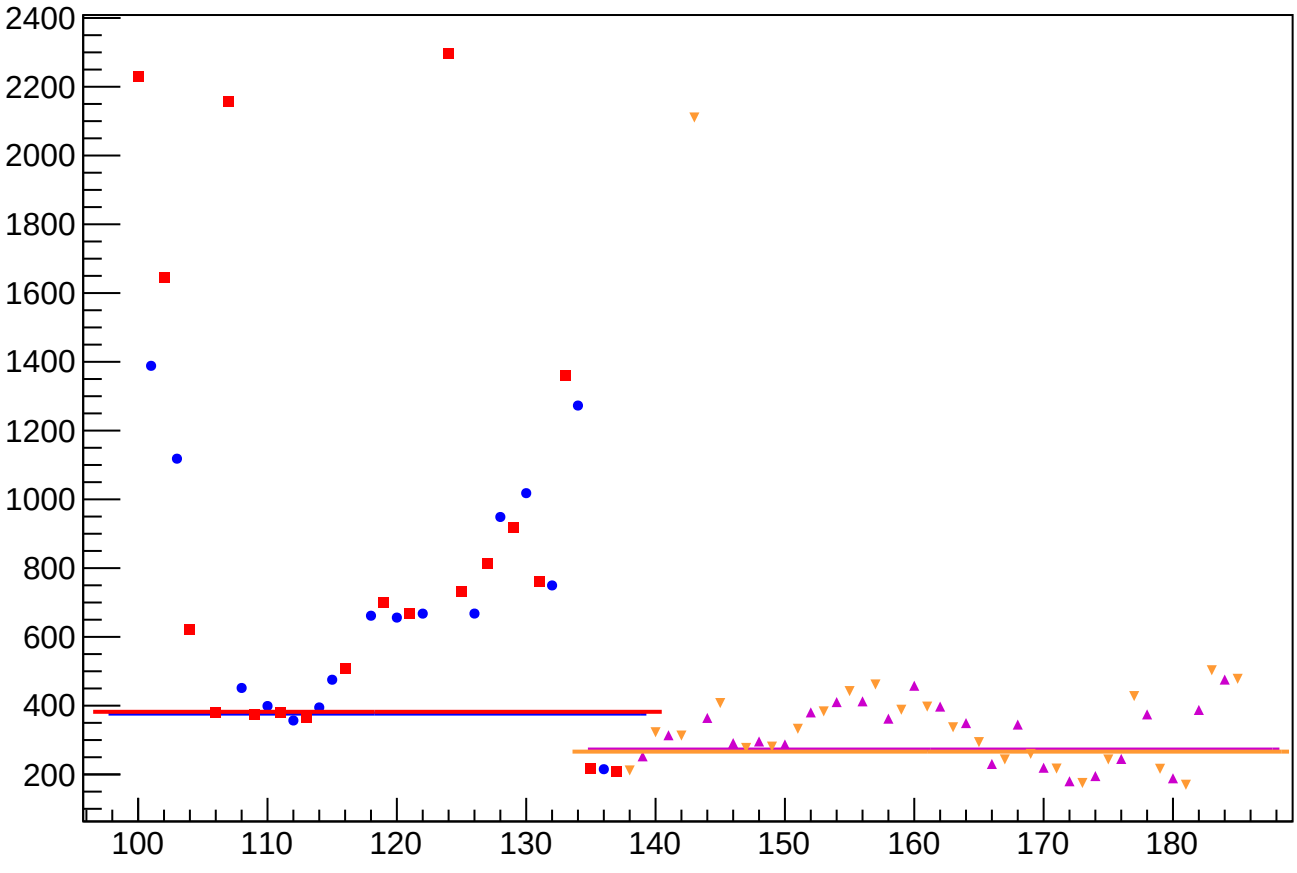
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.801+/-60.680 χ^2/NDF: 68.5/40

All: -135.939+/-43.470 χ^2/NDF: 96.6/82

- sign -120.271+/-62.305 χ^2/NDF: 28.0/41

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

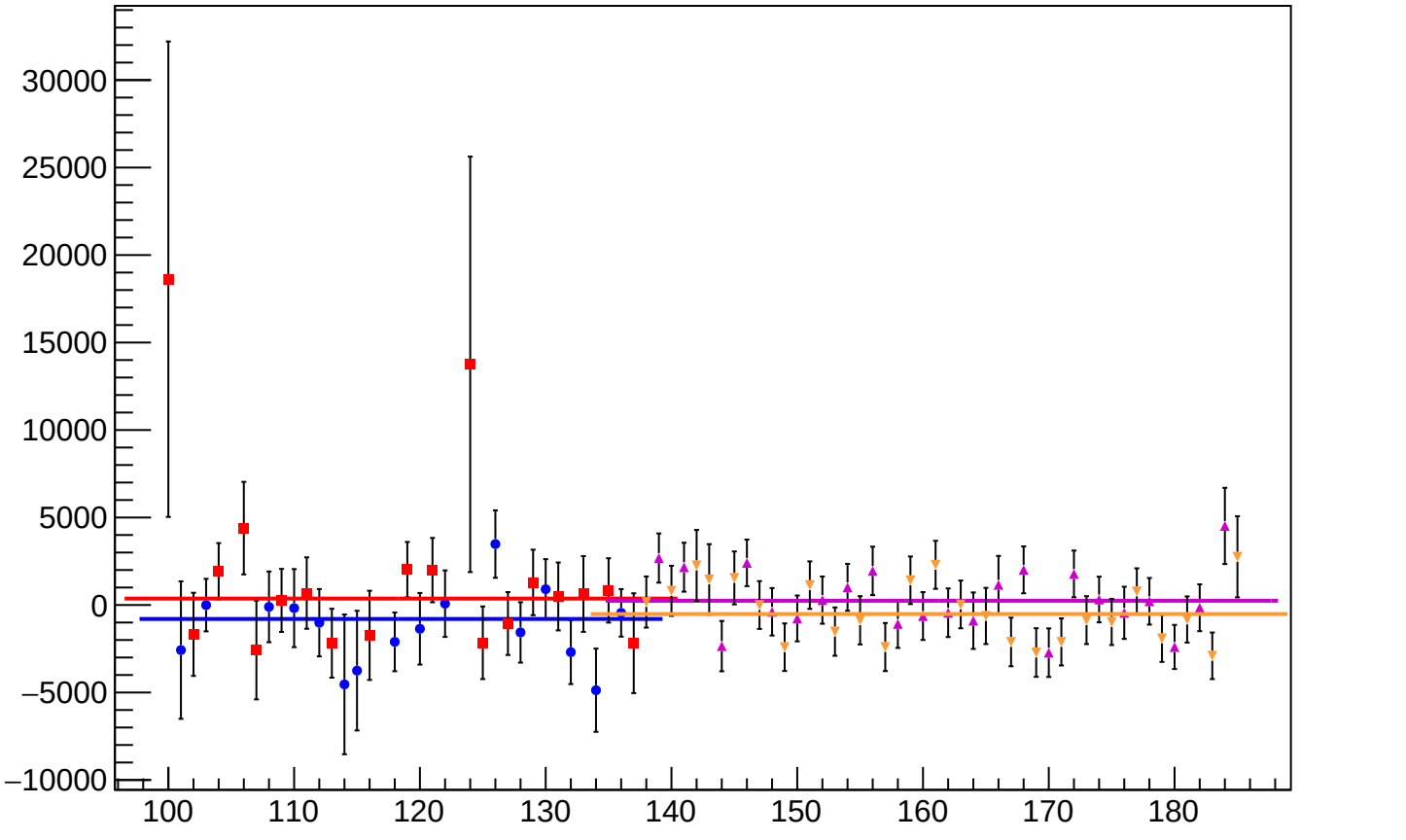
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 280.711+/-0.043 χ^2/NDF: 9574940.3/40

All: 283.884+/-0.031 χ^2/NDF: 17259567.6/82

- 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: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

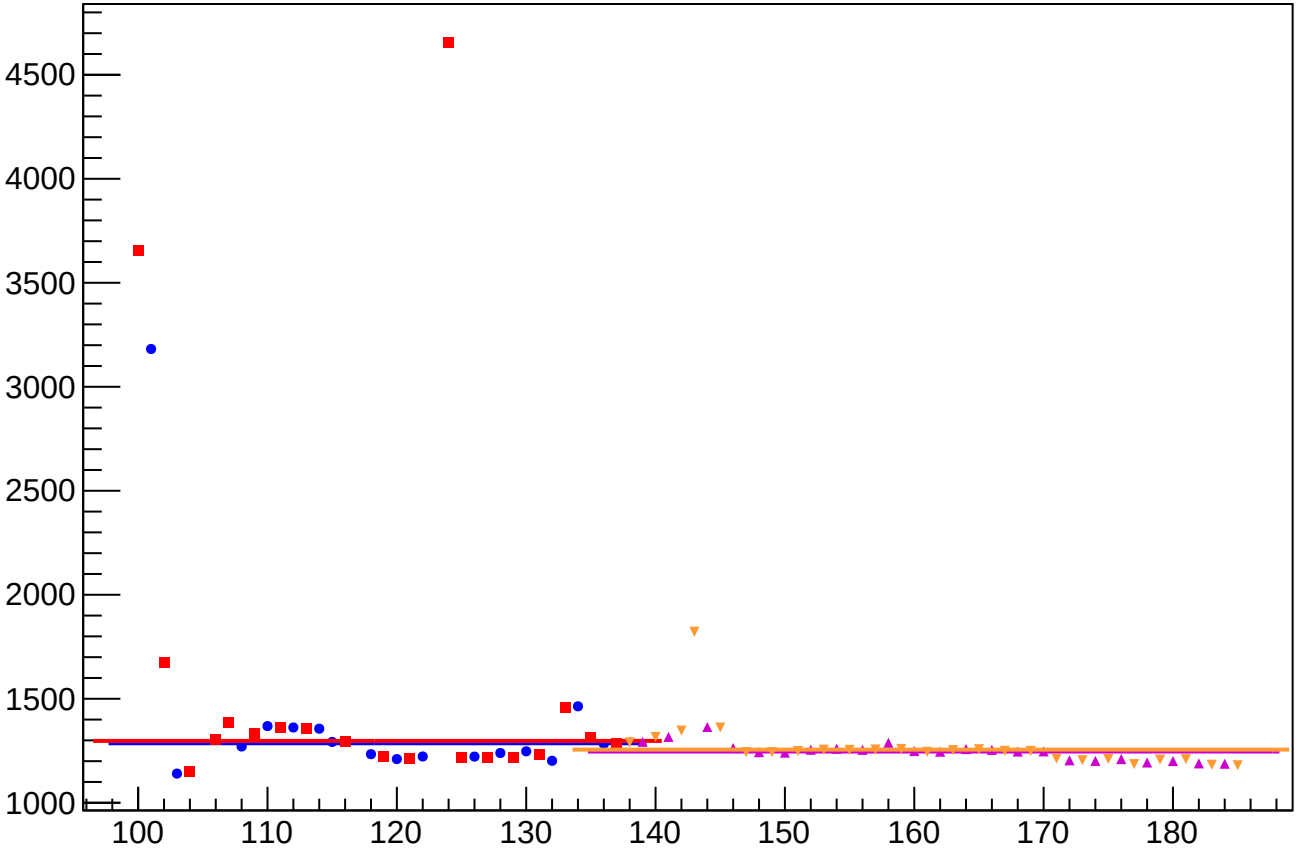
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -586.742+/-246.641 χ^2/NDF: 44.6/40

All: -161.093+/-175.514 χ^2/NDF: 98.4/82

- 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: 1255.514+/-0.202 χ^2/NDF:203124.0/24

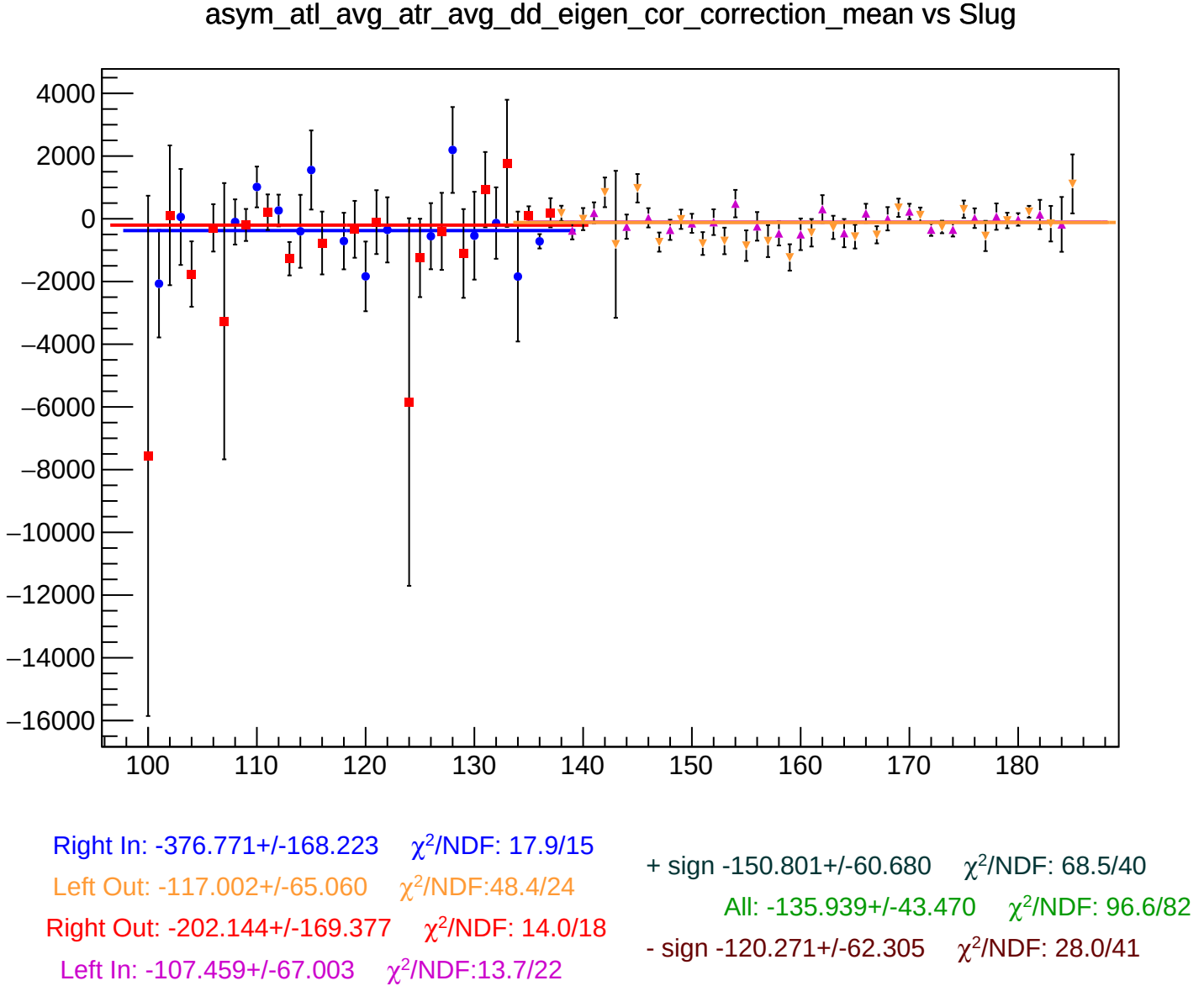
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

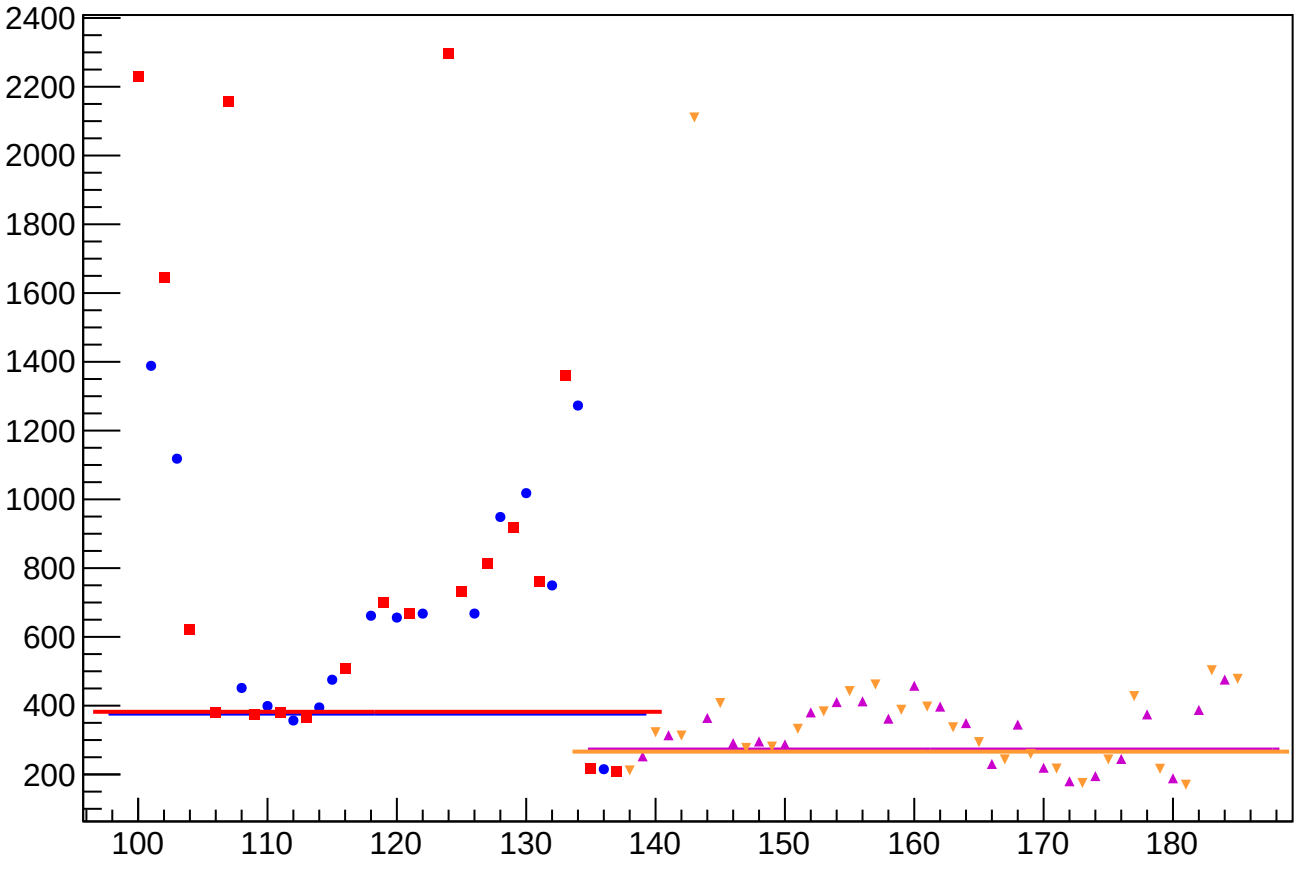
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727109.6/40

All: 1261.605+/-0.124 χ^2/NDF: 1111124.6/82

- sign 1259.821+/-0.177 χ^2/NDF: 383813.6/41


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
170
180
Right In: -376.771+/-168.223 χ²/NDF: 17.9/15
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -202.144+/-169.377 χ²/NDF: 14.0/18
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -150.801+/-60.680 χ²/NDF: 68.5/40
All: -135.939+/-43.470 χ²/NDF: 96.6/82
- sign -120.271+/-62.305 χ²/NDF: 28.0/41



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

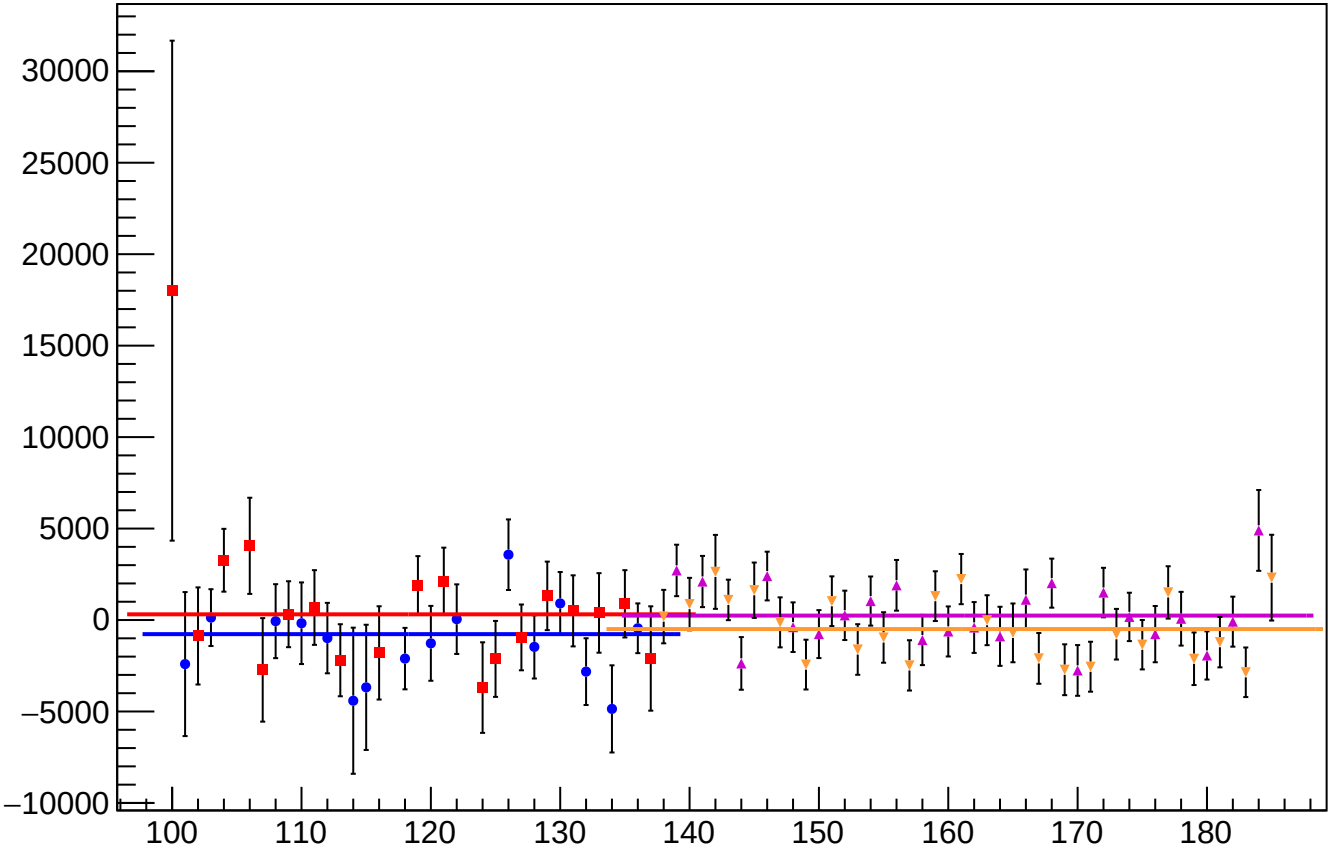
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 280.711+/-0.043 χ^2/NDF: 9574940.3/40

All: 283.884+/-0.031 χ^2/NDF: 17259567.6/82

- 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: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

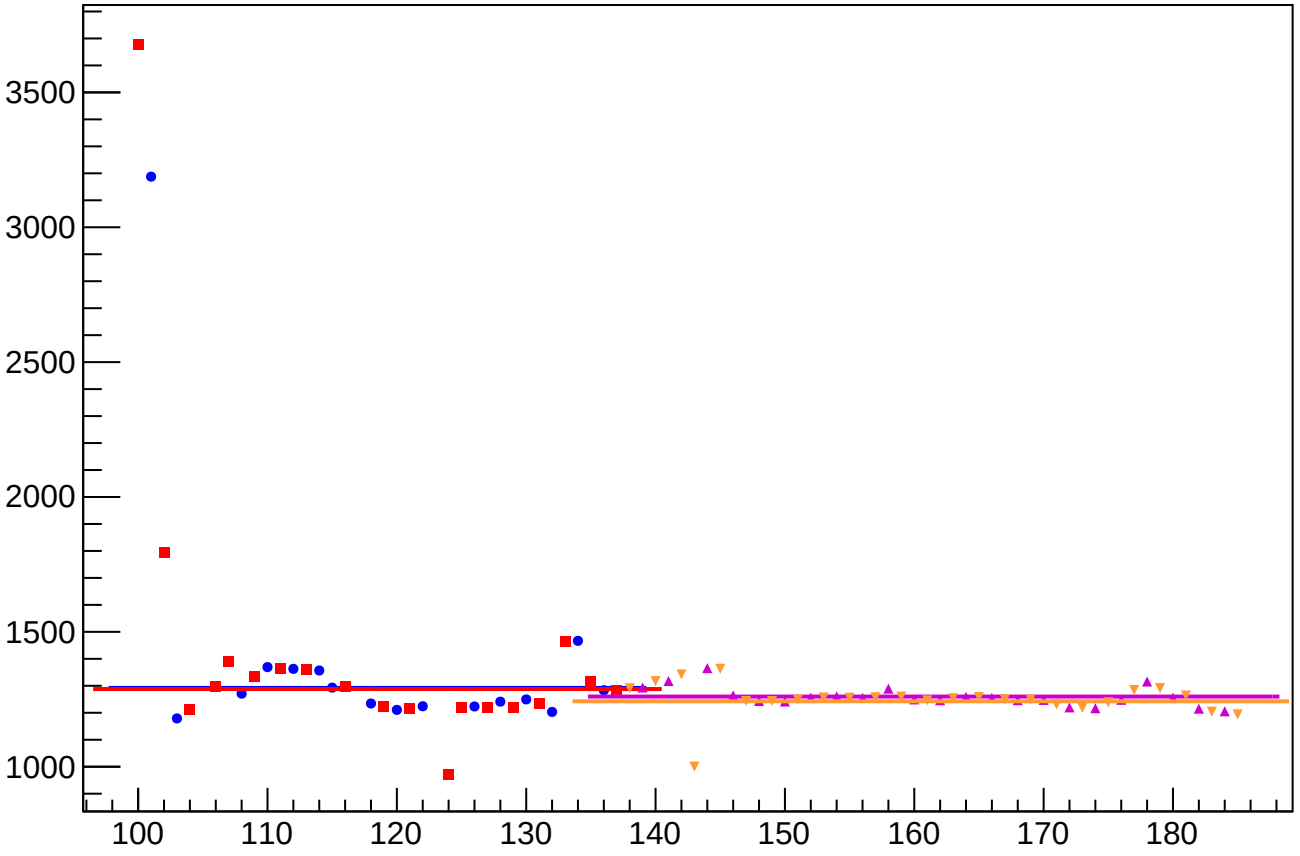
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -562.975+/-244.841 χ^2/NDF: 48.1/40

All: -161.791+/-175.366 χ^2/NDF: 102.2/82

- 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: 1242.539+/-0.200 χ^2/NDF:130023.1/24

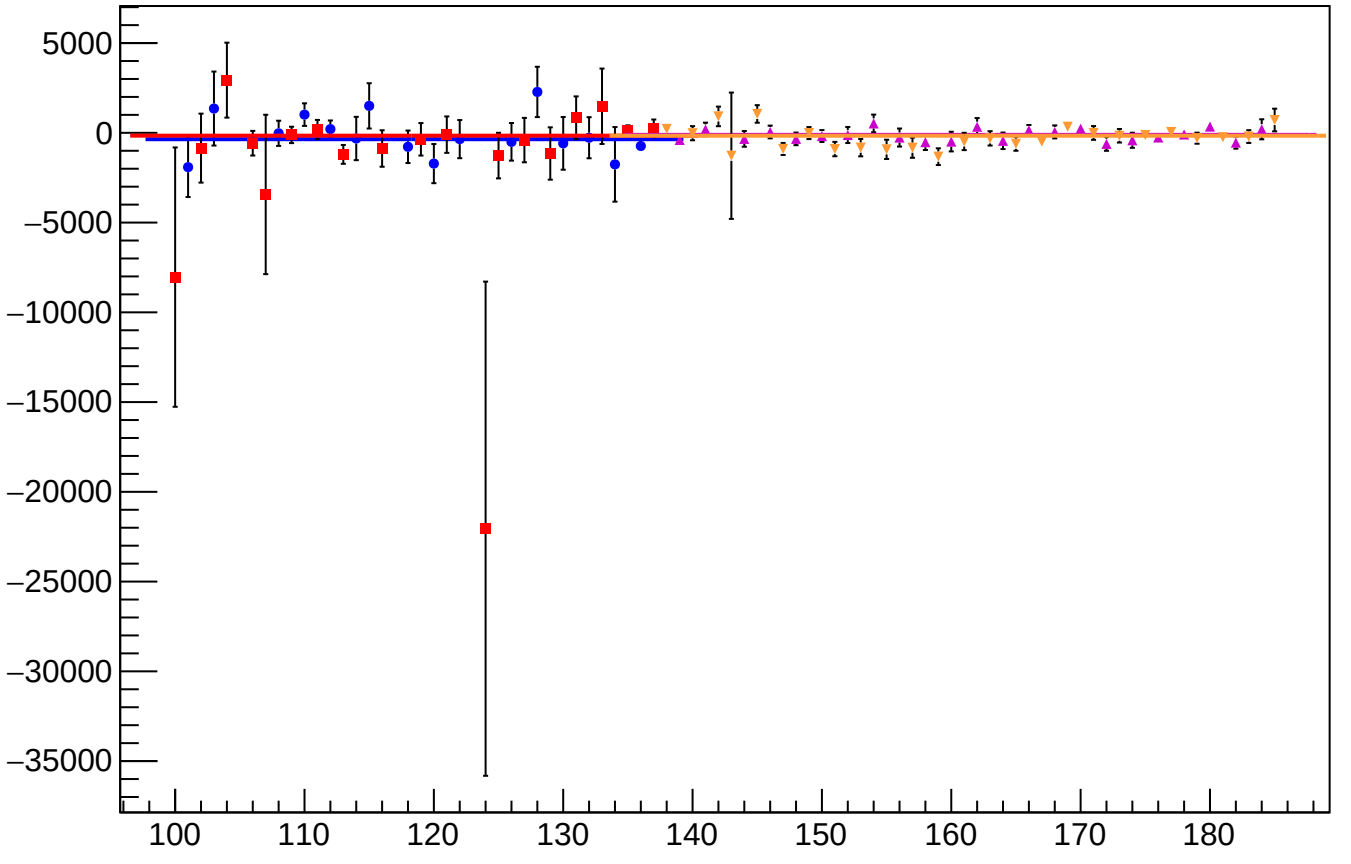
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1254.918+/-0.173 χ^2/NDF: 654759.4/40

All: 1261.121+/-0.124 χ^2/NDF: 899406.0/82

- 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: -160.930+/-64.133 χ^2/NDF:43.8/24

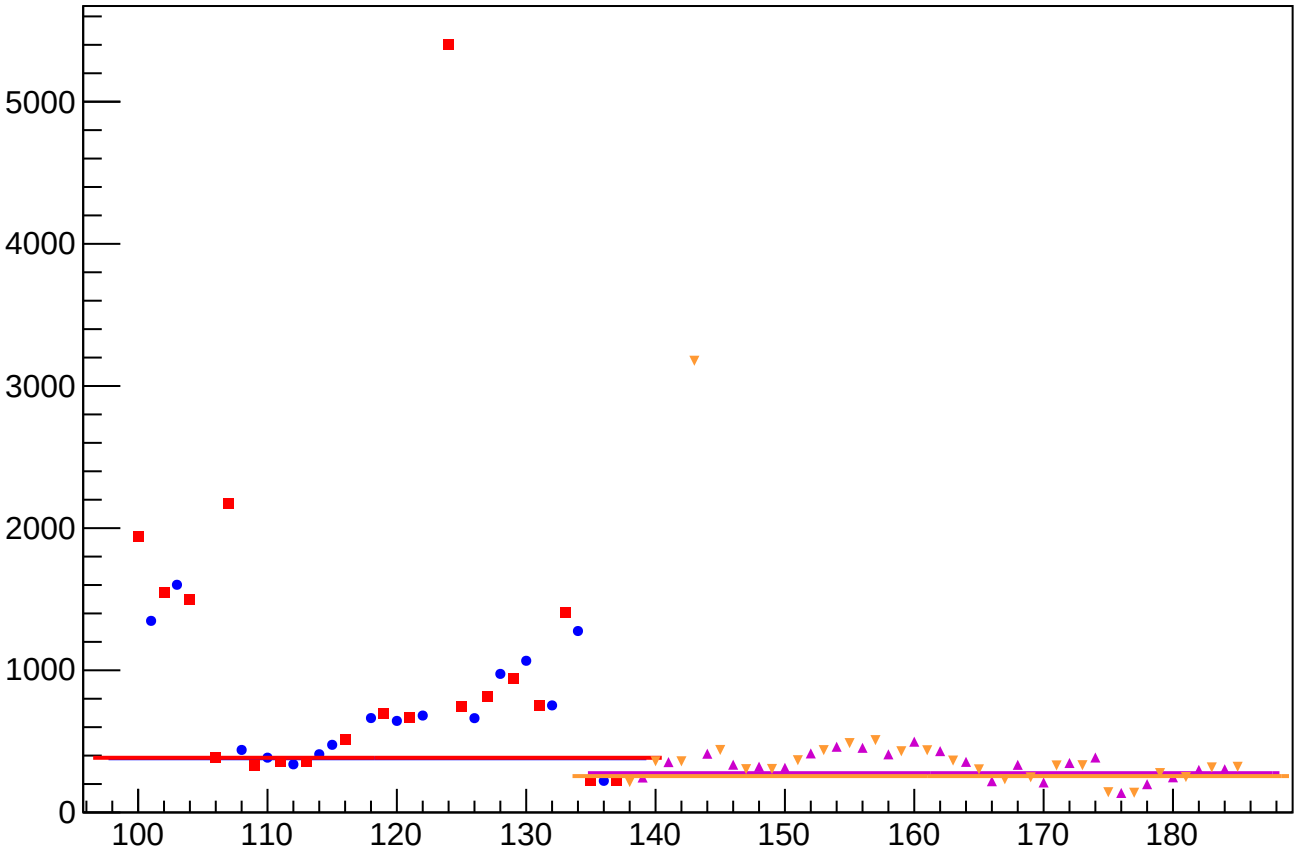
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.144+/-60.003 χ^2/NDF: 63.3/40

All: -154.548+/-43.706 χ^2/NDF: 98.0/82

- 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: 255.768+/-0.045 χ^2/NDF:6373929.4/24

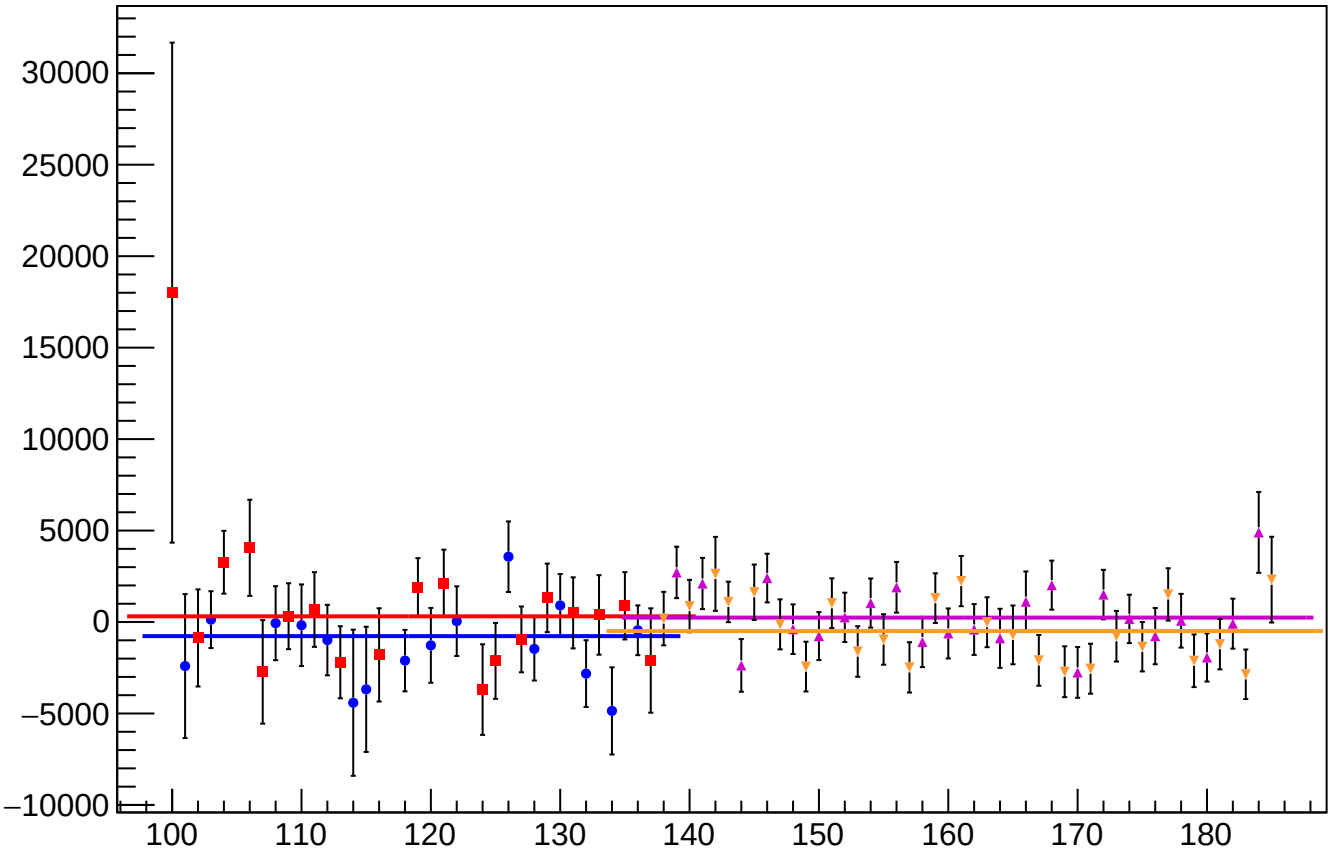
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 271.419+/-0.042 χ^2/NDF: 11647556.4/40

All: 280.900+/-0.031 χ^2/NDF: 21041922.6/82

- 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: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

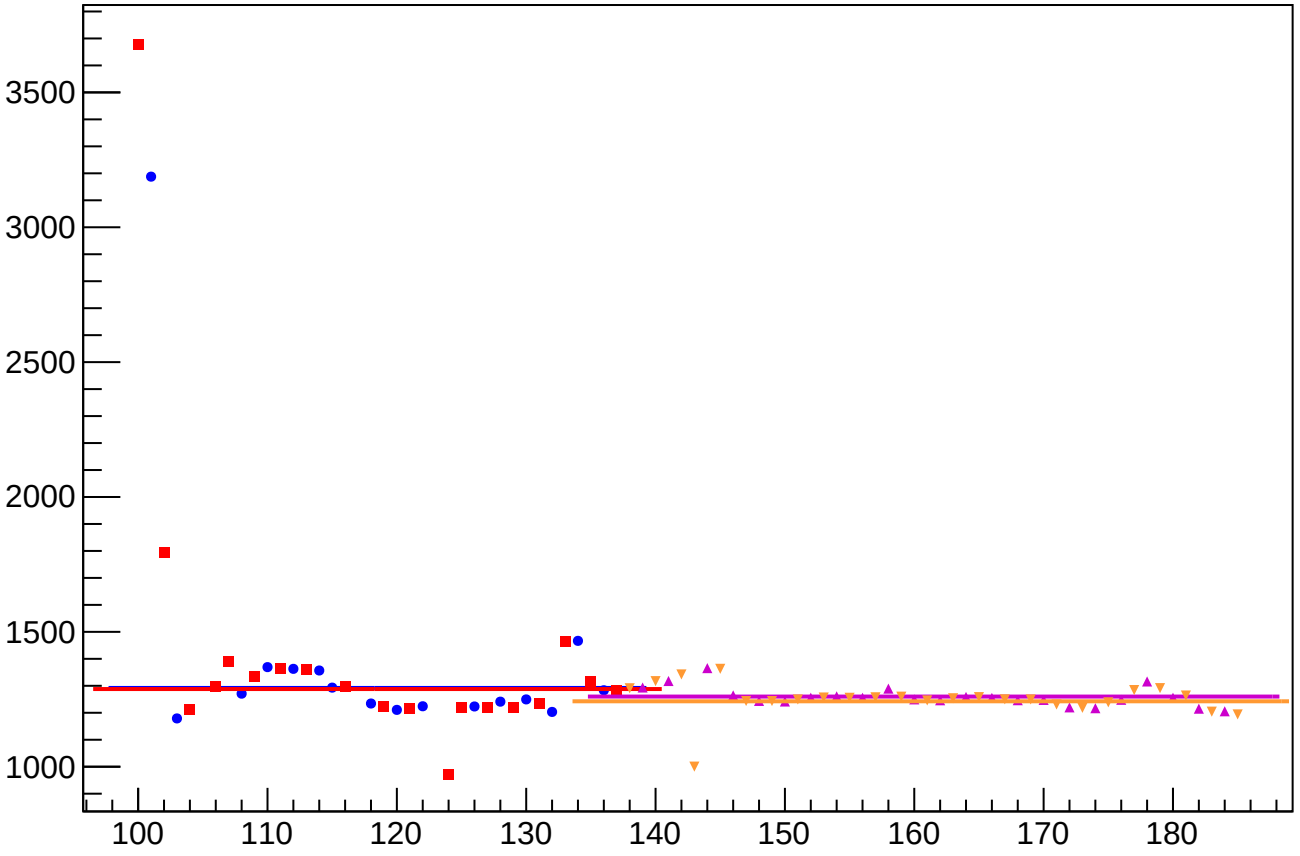
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -562.975+/-244.841 χ^2/NDF: 48.1/40

All: -161.791+/-175.366 χ^2/NDF: 102.2/82

- 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: 1242.539+/-0.200 χ^2/NDF:130022.2/24

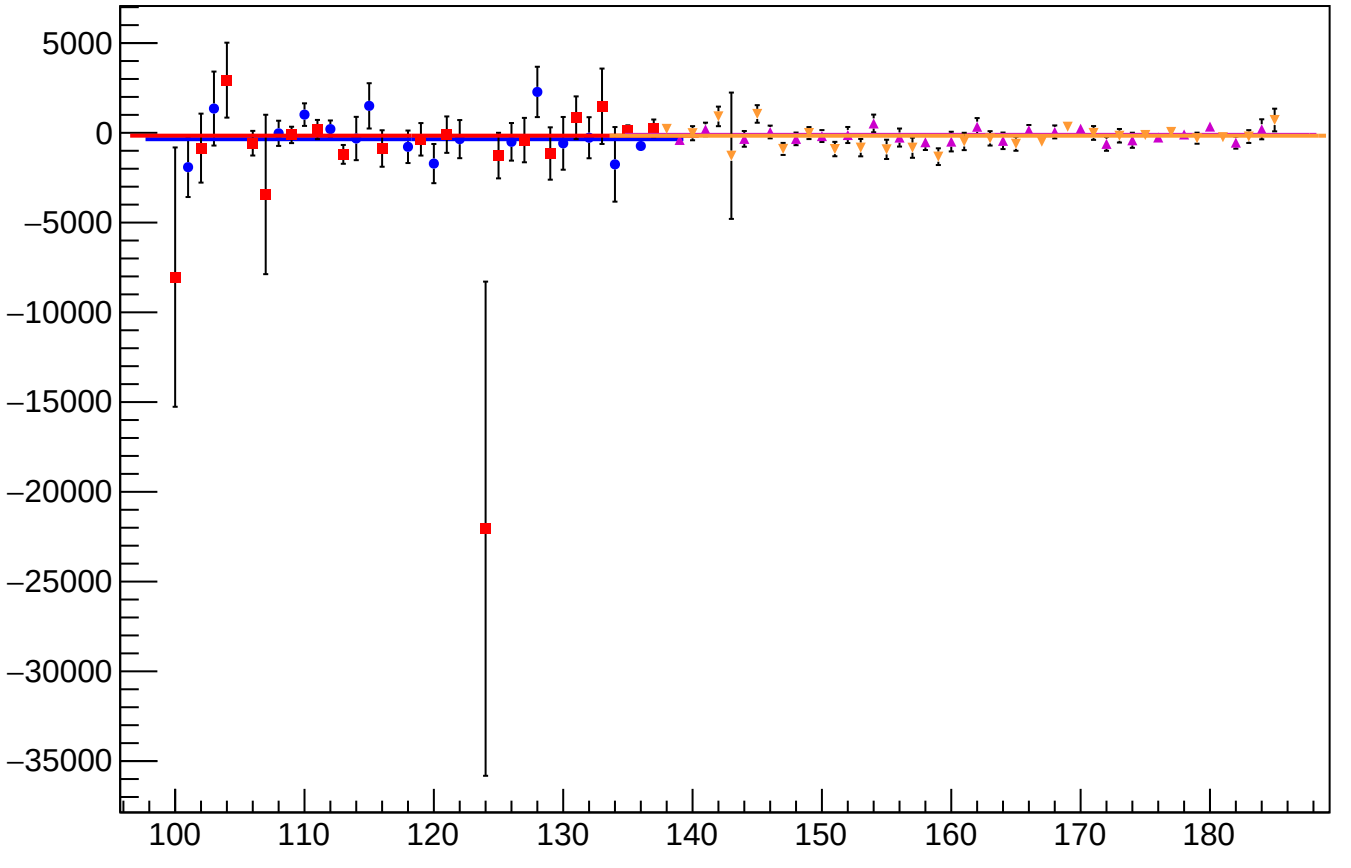
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1254.918+/-0.173 χ^2/NDF: 654758.5/40

All: 1261.121+/-0.124 χ^2/NDF: 899405.5/82

- 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: -160.933+/-64.133 χ^2/NDF:43.8/24

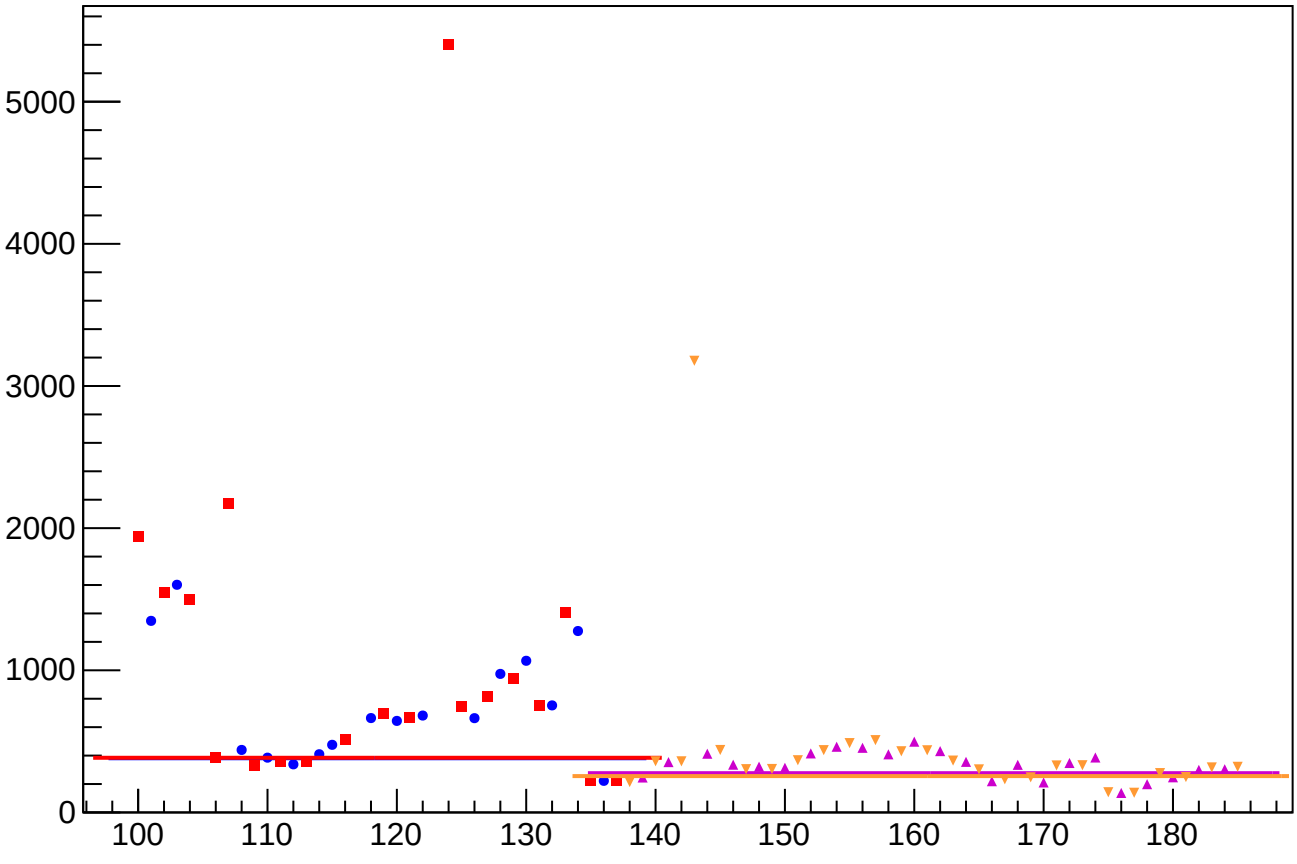
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.146+/-60.004 χ^2/NDF: 63.3/40

All: -154.549+/-43.706 χ^2/NDF: 98.0/82

- 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: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

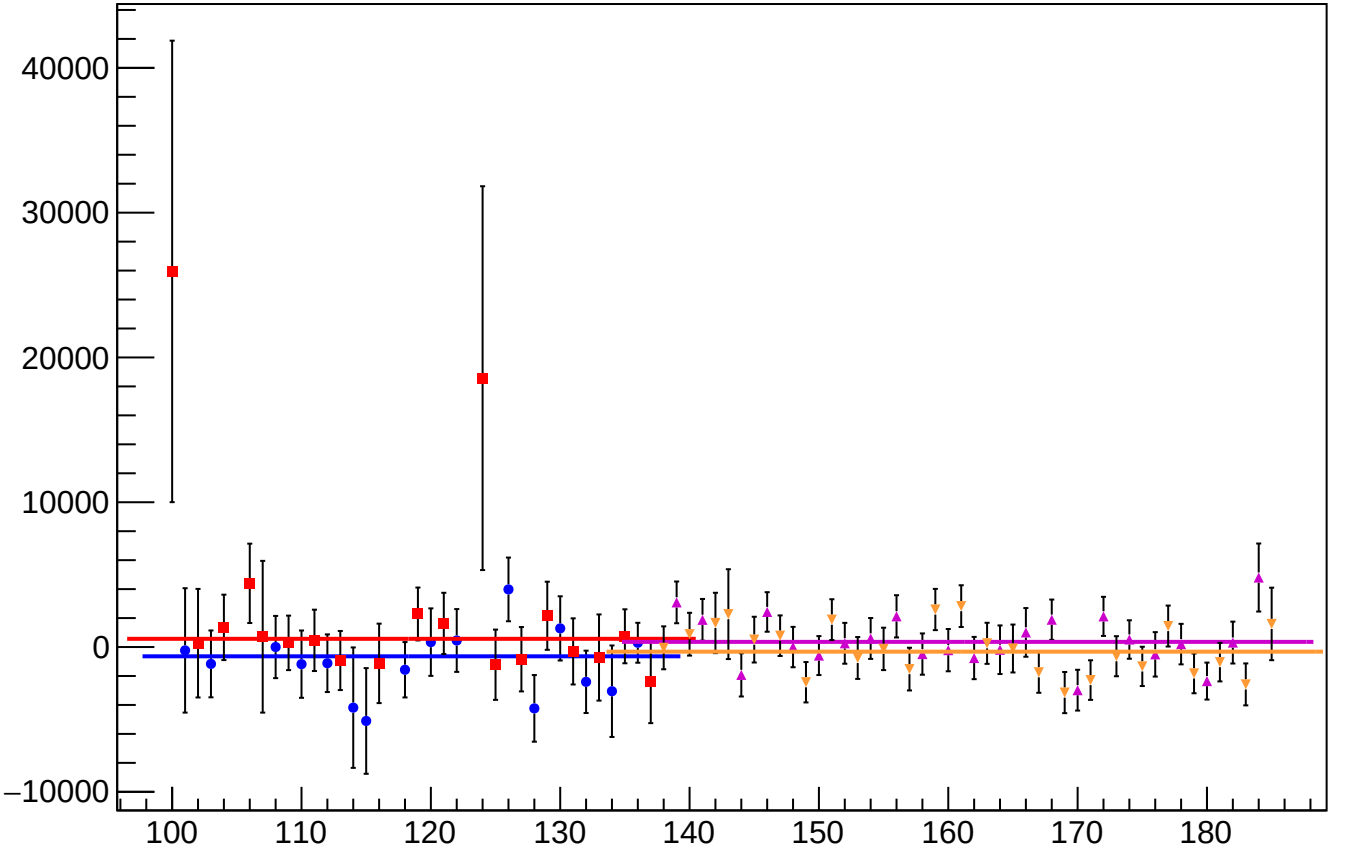
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 271.421+/-0.042 χ^2/NDF: 11647375.2/40

All: 280.901+/-0.031 χ^2/NDF: 21041631.0/82

- 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: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

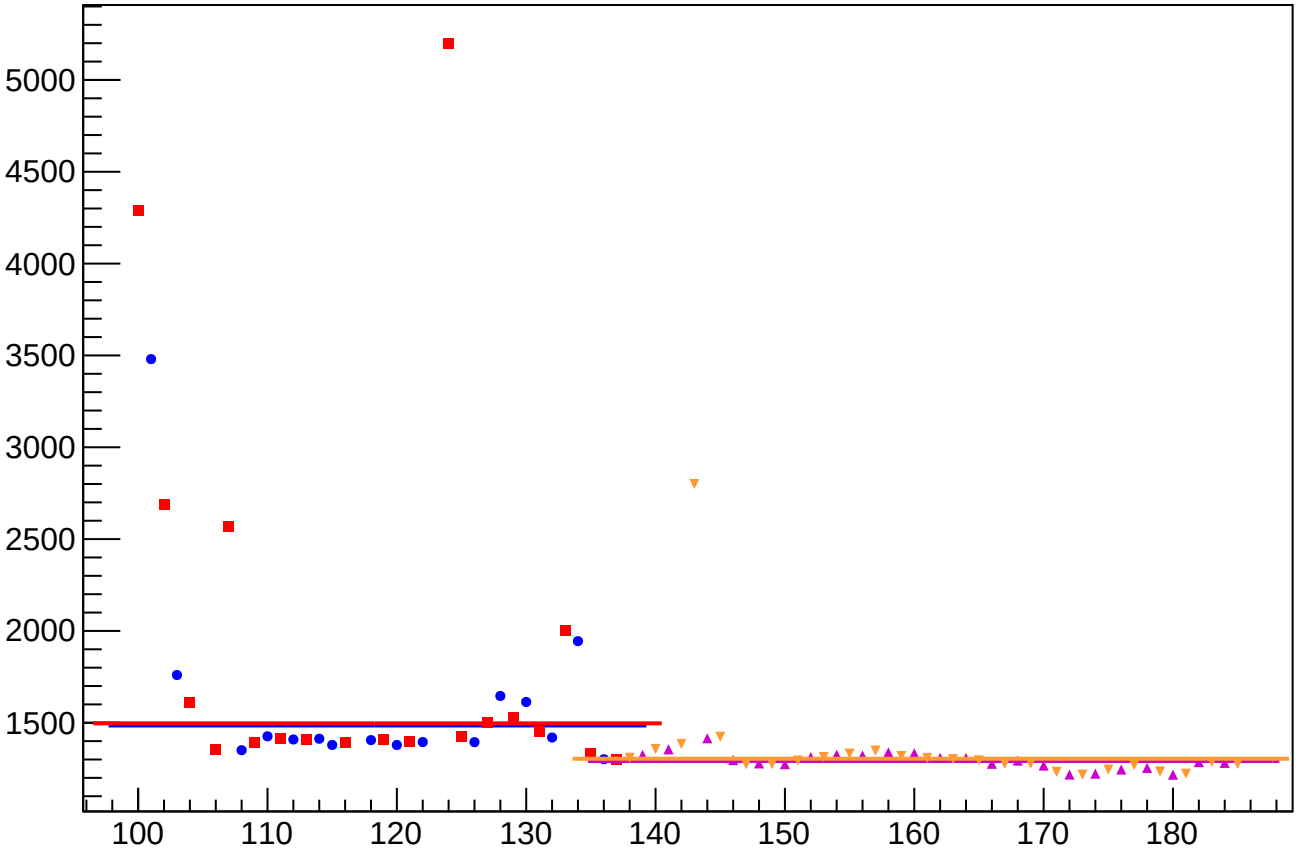
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -389.846+/-263.707 χ^2/NDF: 44.3/40

All: 2.459+/-187.434 χ^2/NDF: 89.9/82

- 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: 1304.156+/-0.211 χ^2/NDF:519609.1/24

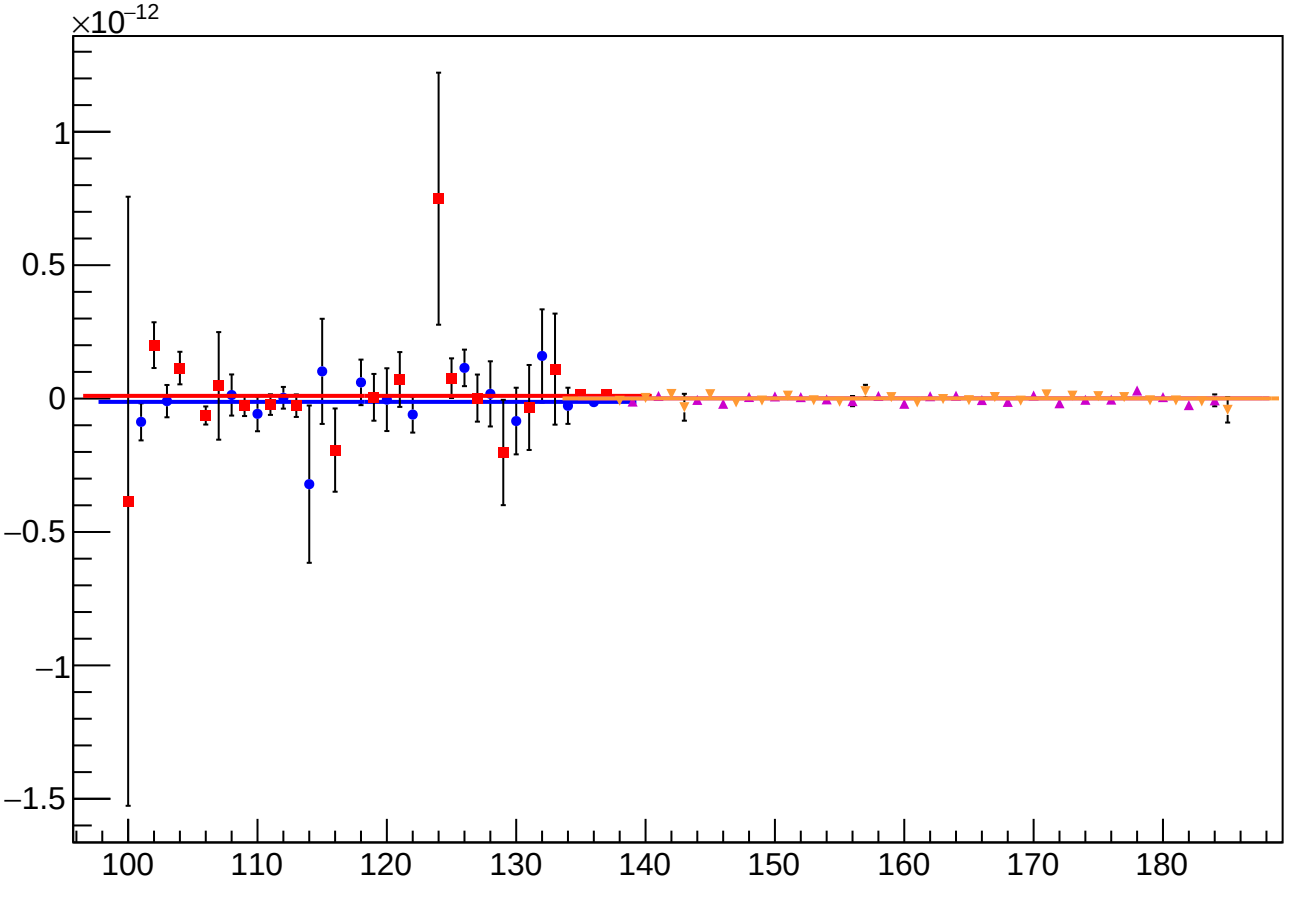
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1343.721+/-0.186 χ^2/NDF: 1265260.4/40

All: 1340.582+/-0.133 χ^2/NDF: 2140776.4/82

- 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:24.3/24

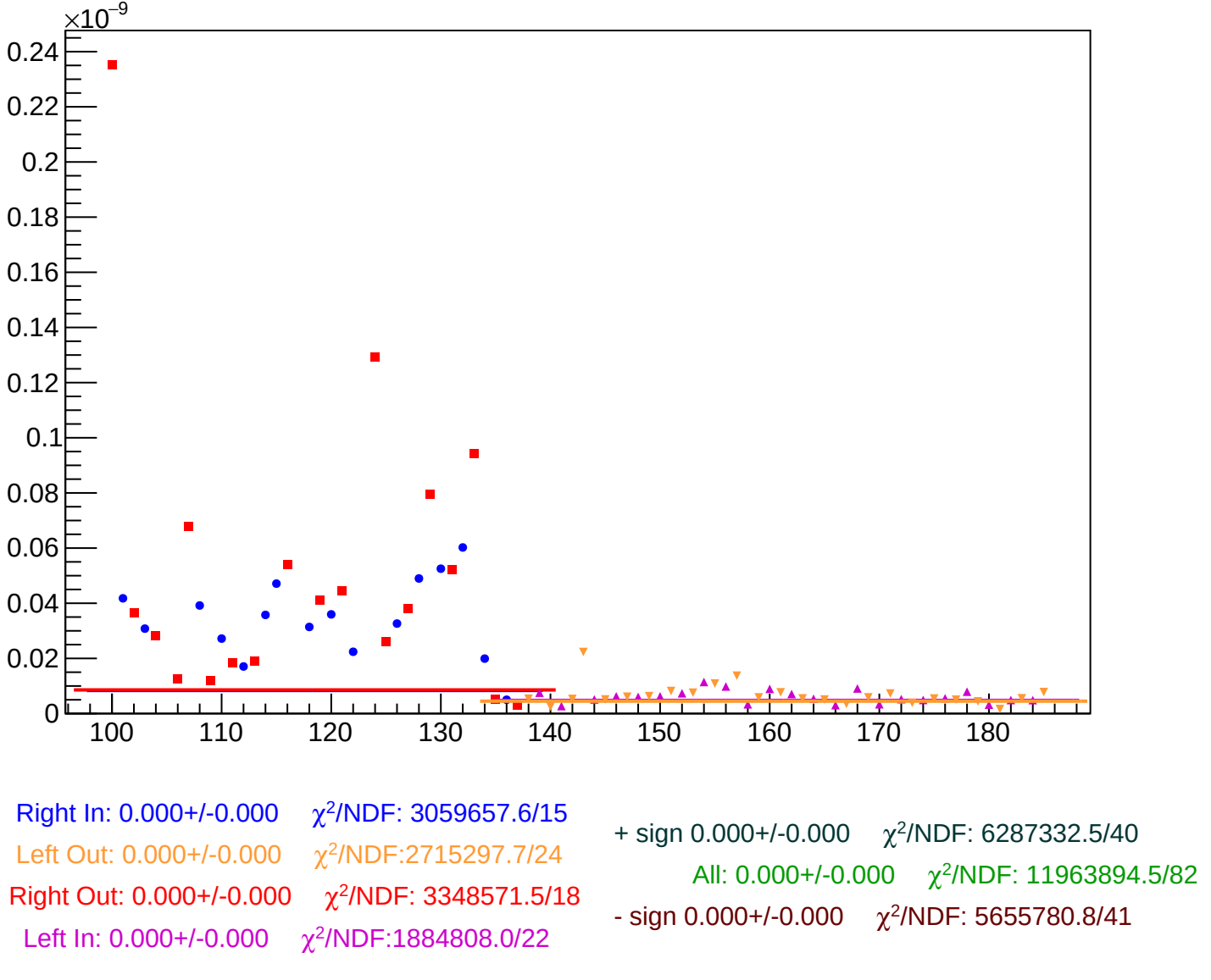
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

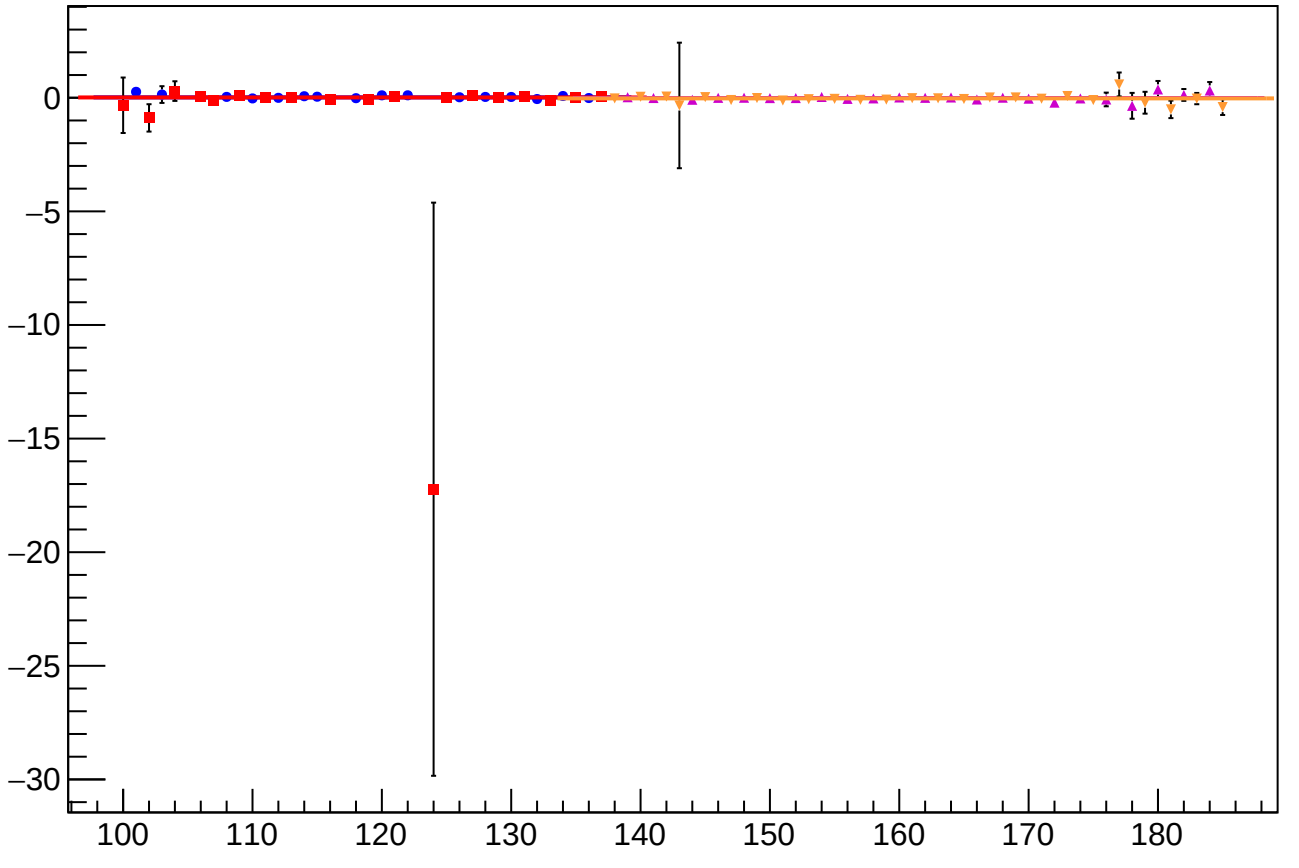
Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/40

All: 0.000+/-0.000 χ^2/NDF: 90.2/82

- sign 0.000+/-0.000 χ^2/NDF: 53.2/41


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3059657.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2715297.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3348571.5/18
Left In: 0.000+/-0.000 χ²/NDF:1884808.0/22
+ sign 0.000+/-0.000 χ²/NDF: 6287332.5/40
All: 0.000+/-0.000 χ²/NDF: 11963894.5/82
- sign 0.000+/-0.000 χ²/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:28.1/24

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

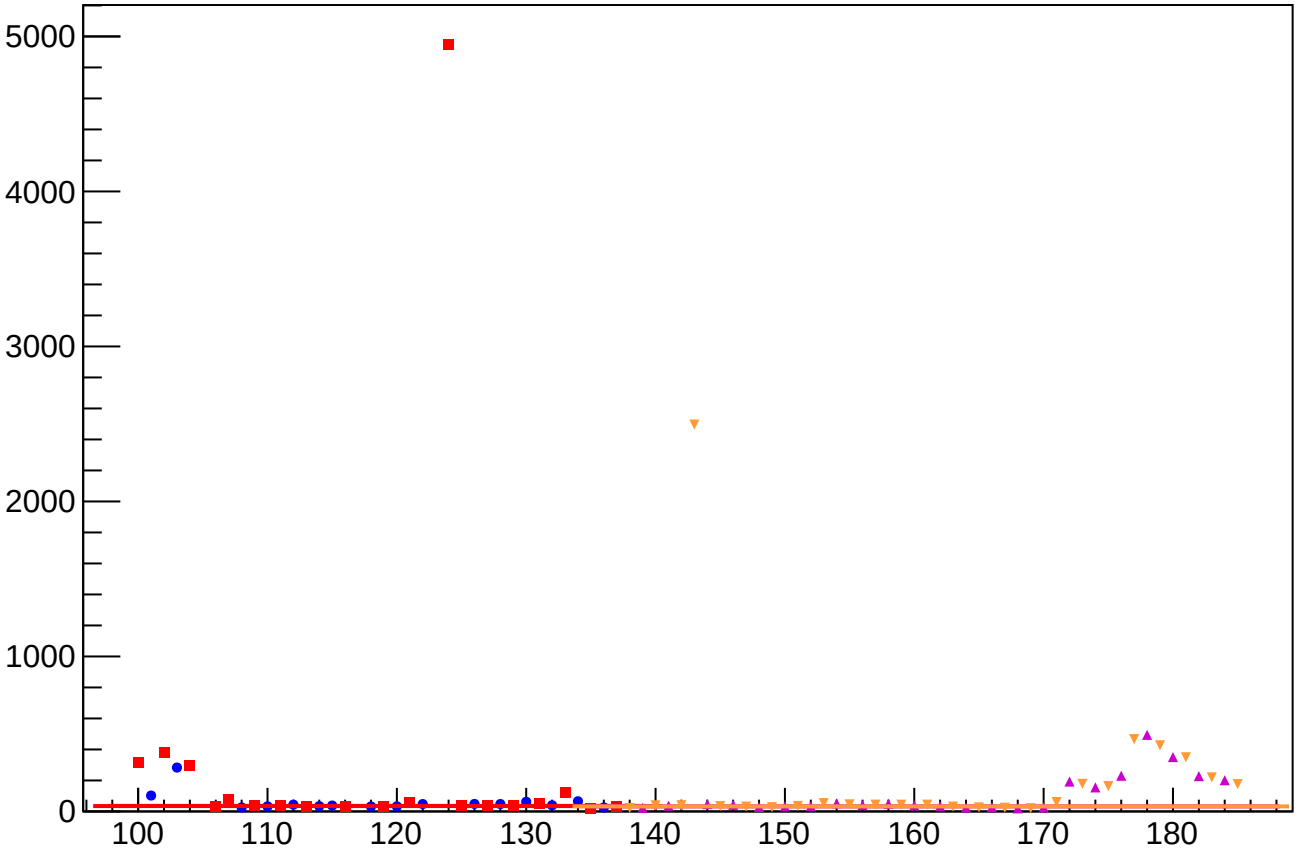
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.6/82

- 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: 32.551+/-0.007 χ^2/NDF:10871758.1/24

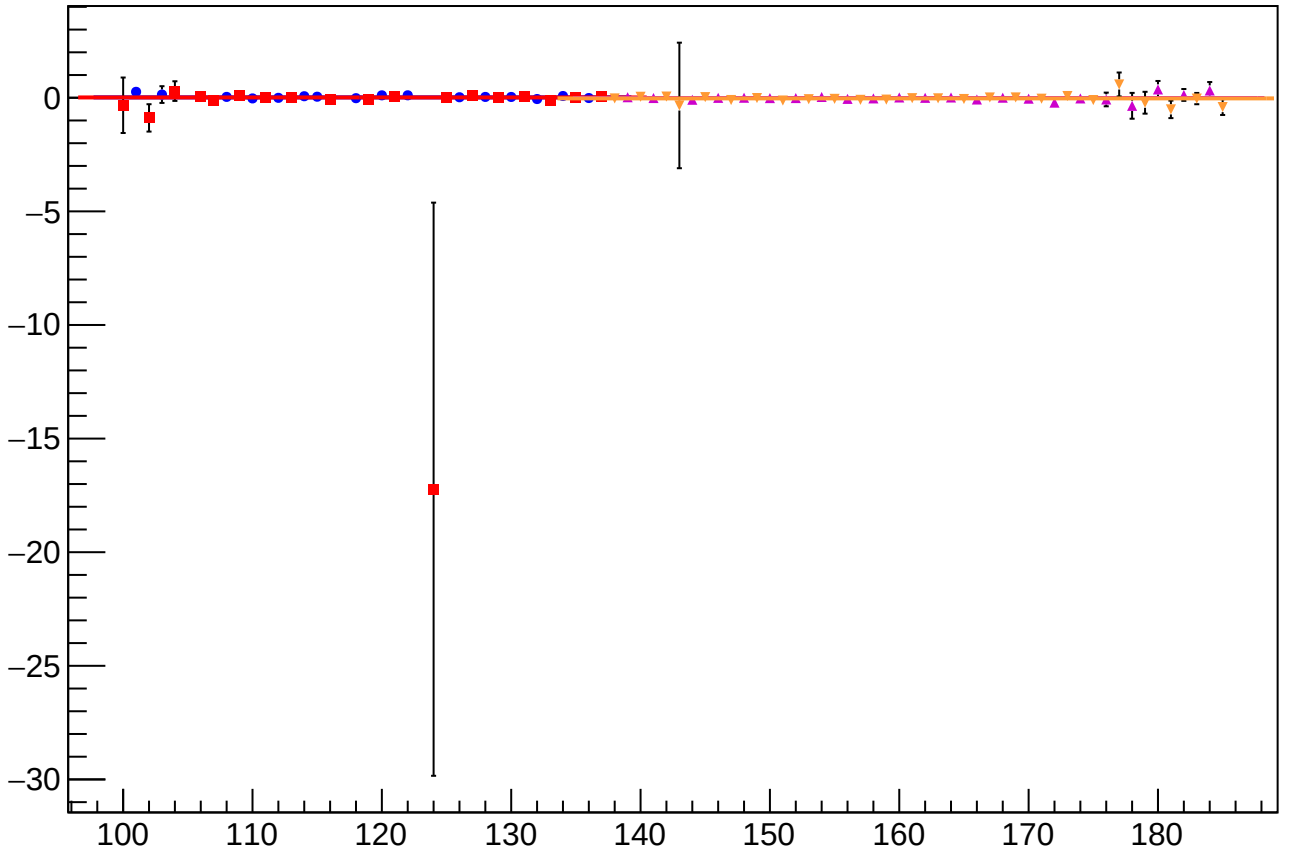
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

\+ sign 33.429+/-0.006 χ^2/NDF: 13198399.9/40

All: 33.362+/-0.004 χ^2/NDF: 25101405.4/82

\- 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:28.1/24

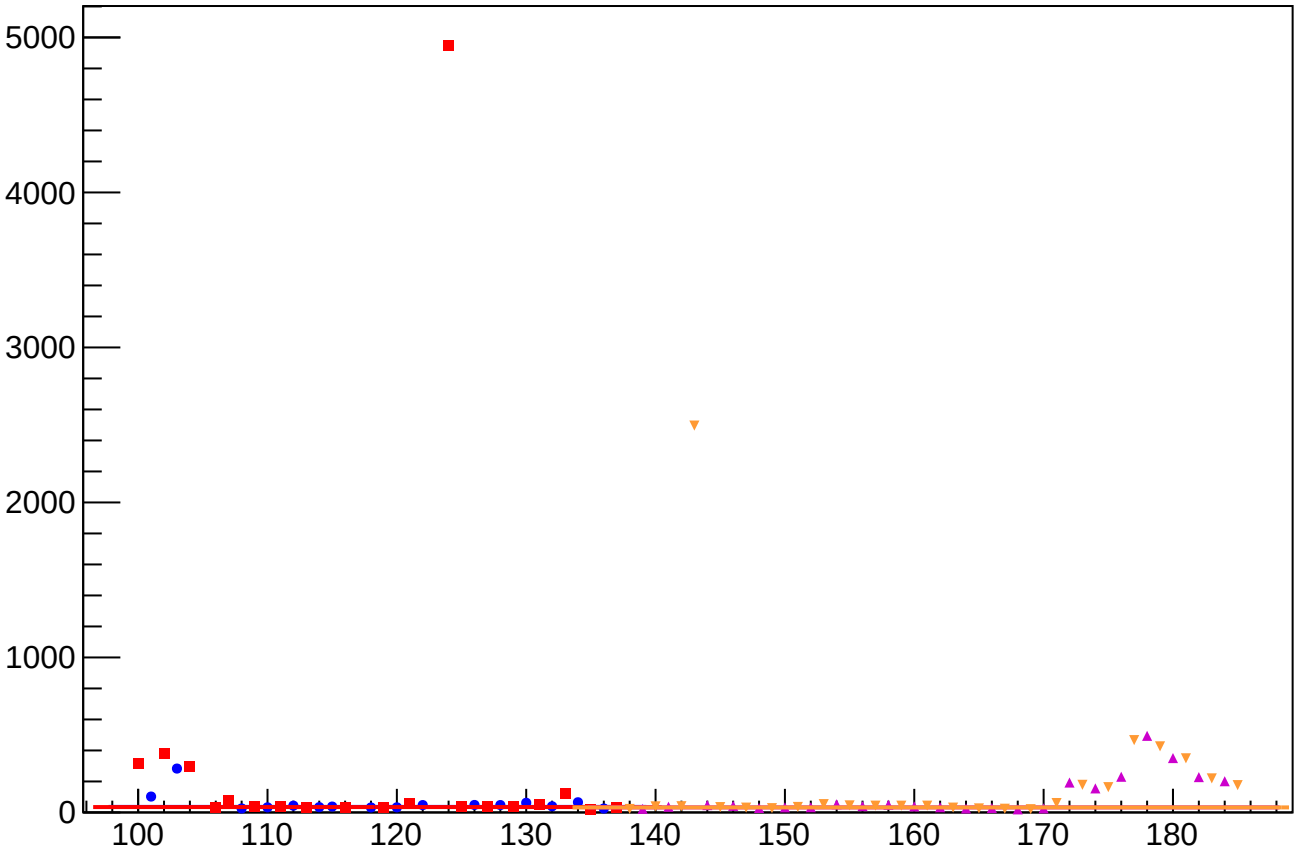
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.6/82

- 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: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

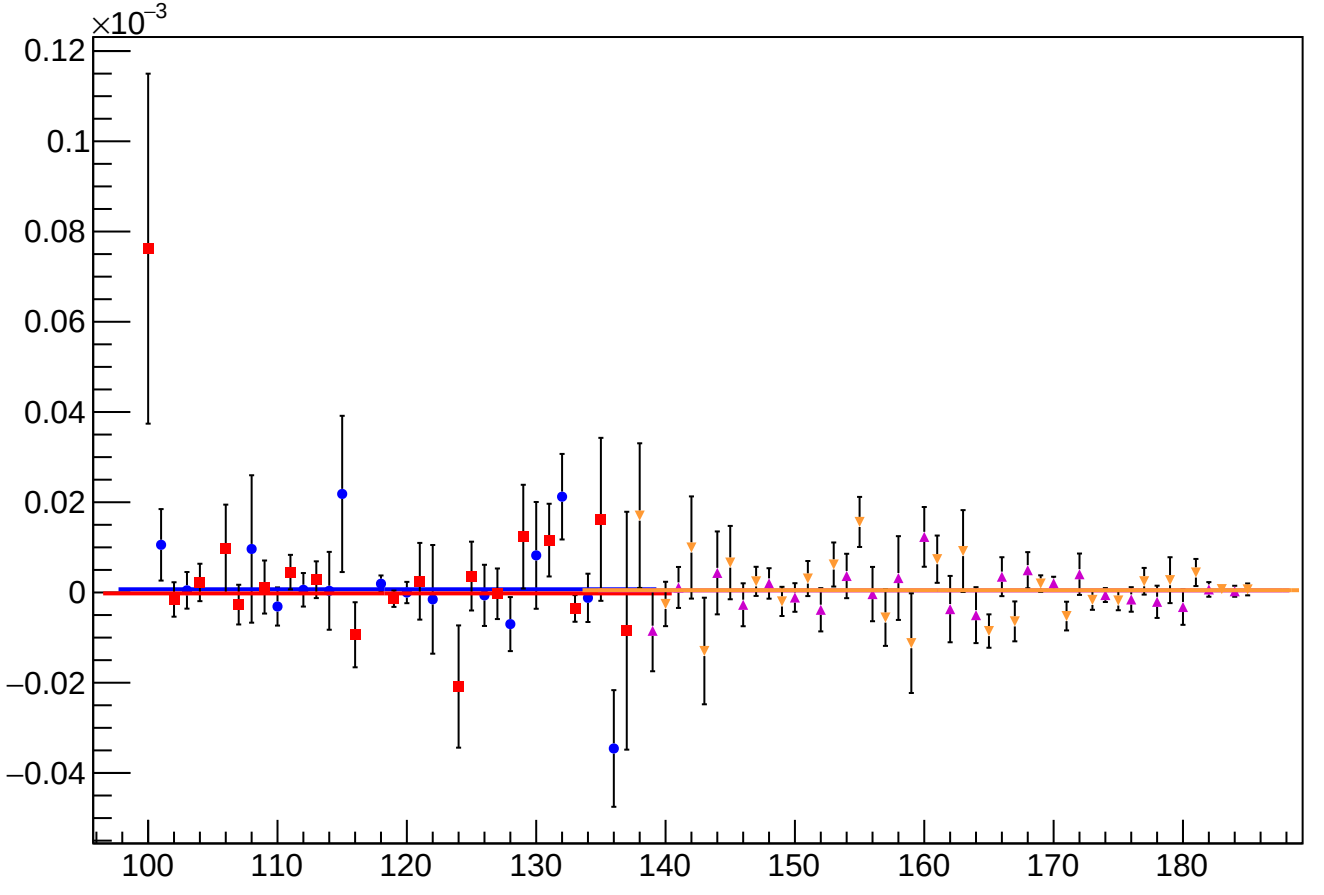
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198399.9/40

All: 33.362+/-0.004 χ^2/NDF: 25101405.4/82

- 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:35.7/24

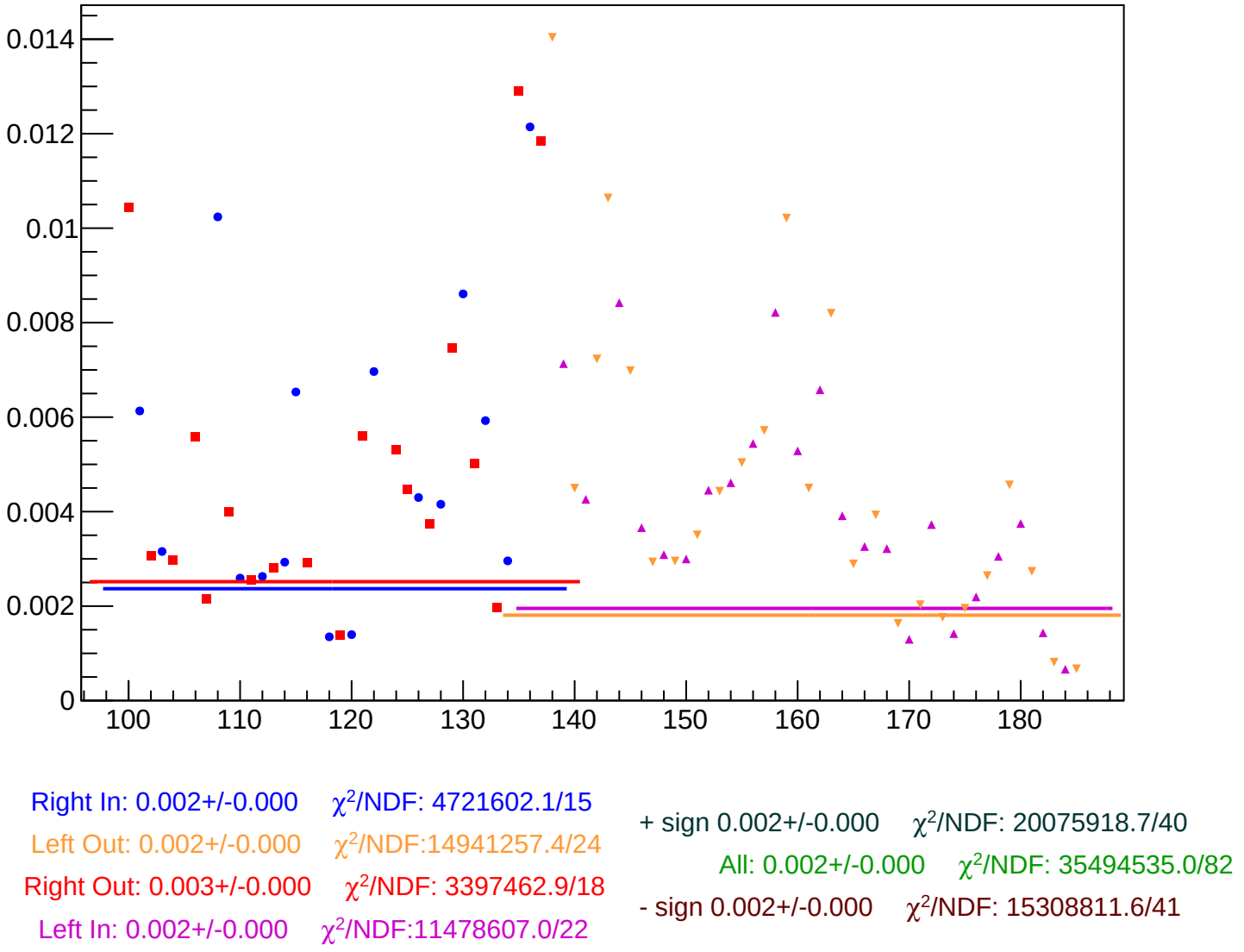
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

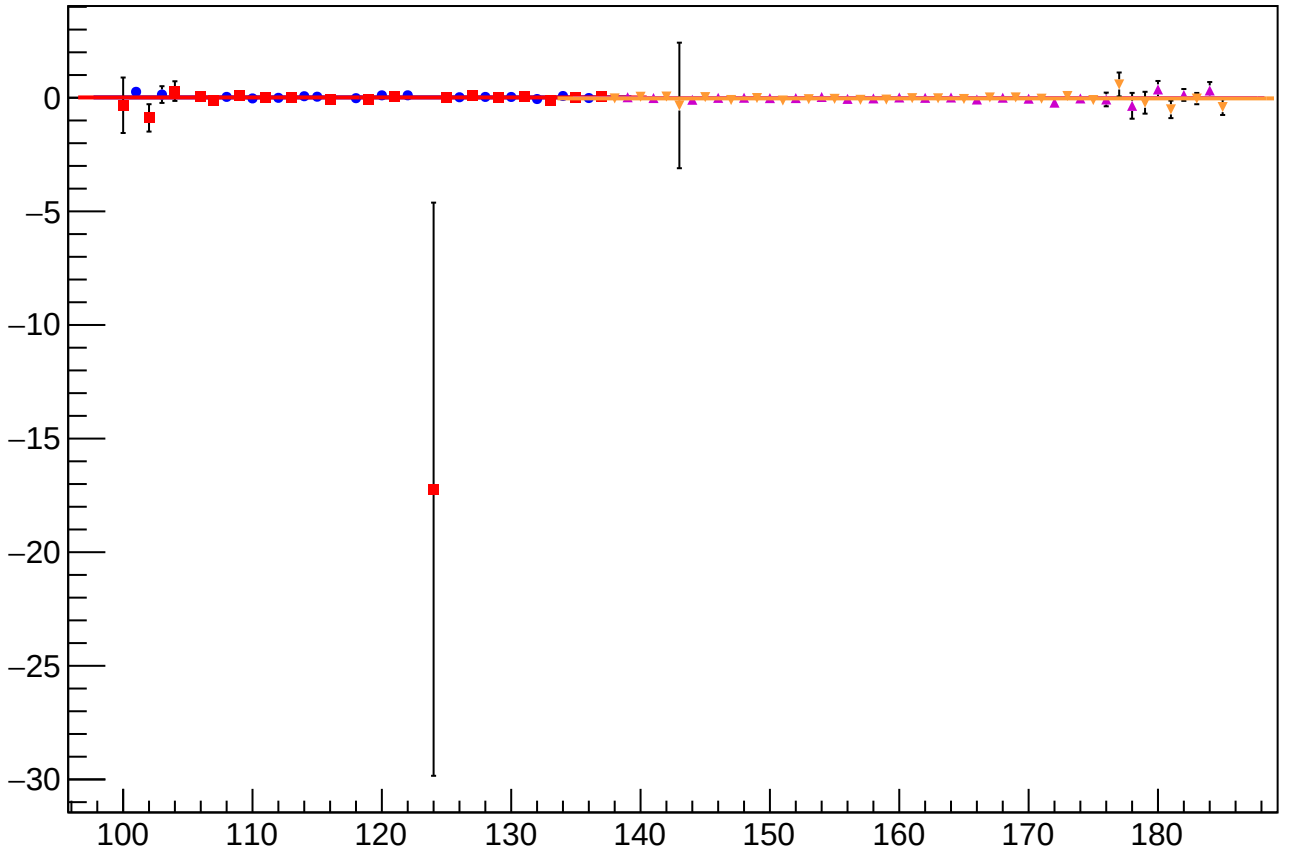
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/40

All: 0.000+/-0.000 χ^2/NDF: 87.0/82

- 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:14941257.4/24
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: 20075918.7/40
All: 0.002+/-0.000 χ²/NDF: 35494535.0/82
- 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:28.1/24

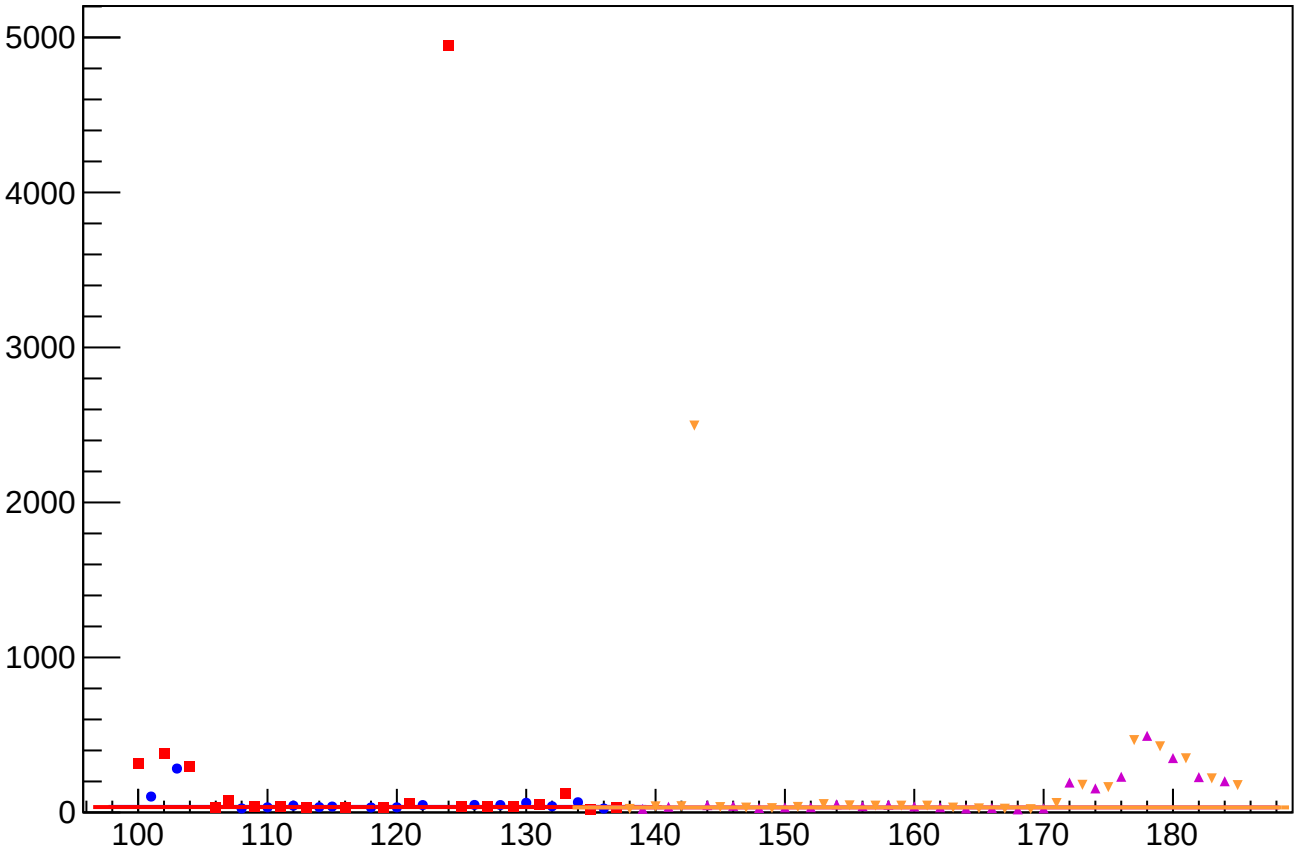
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.7/82

- 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: 32.551+/-0.007 χ^2/NDF:10872015.8/24

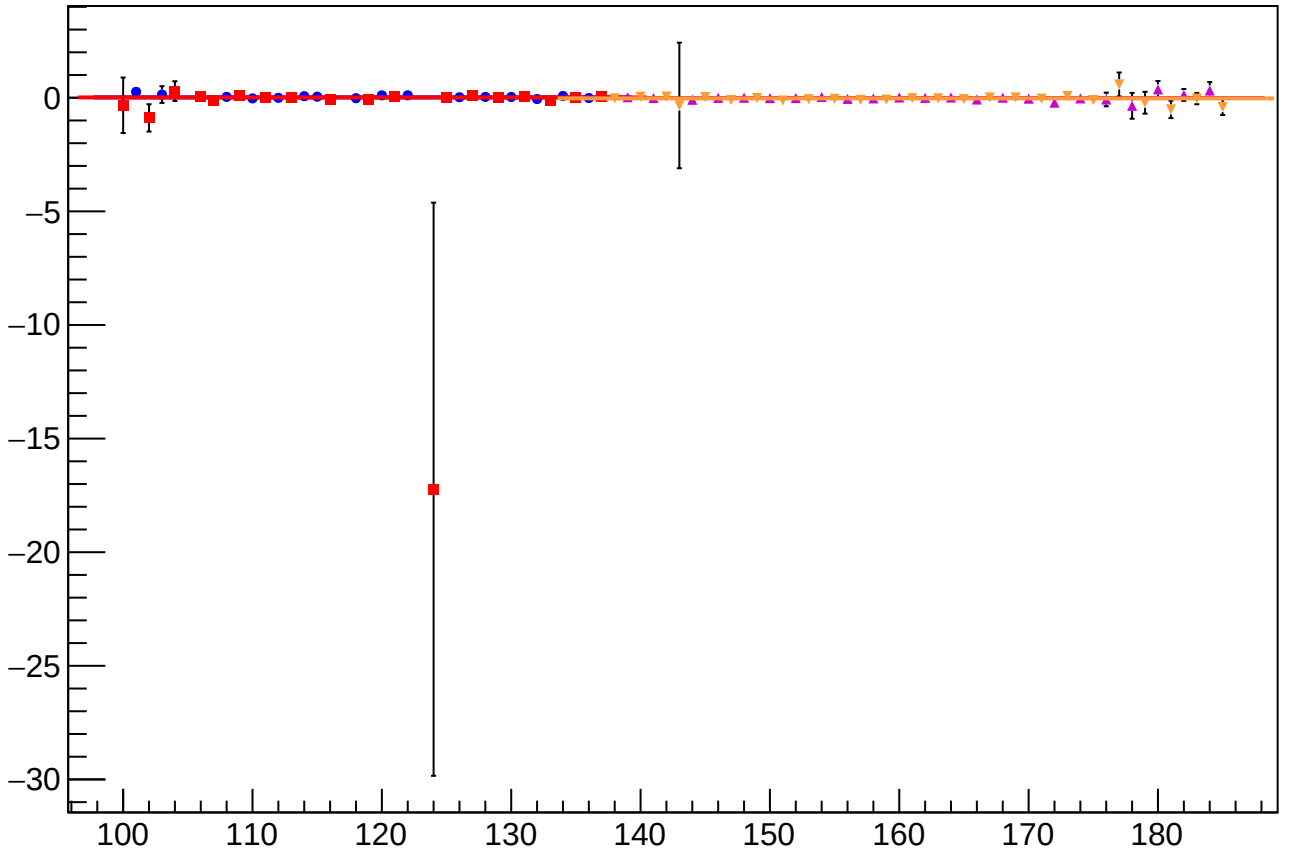
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198445.6/40

All: 33.361+/-0.004 χ^2/NDF: 25101968.6/82

- 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:28.1/24

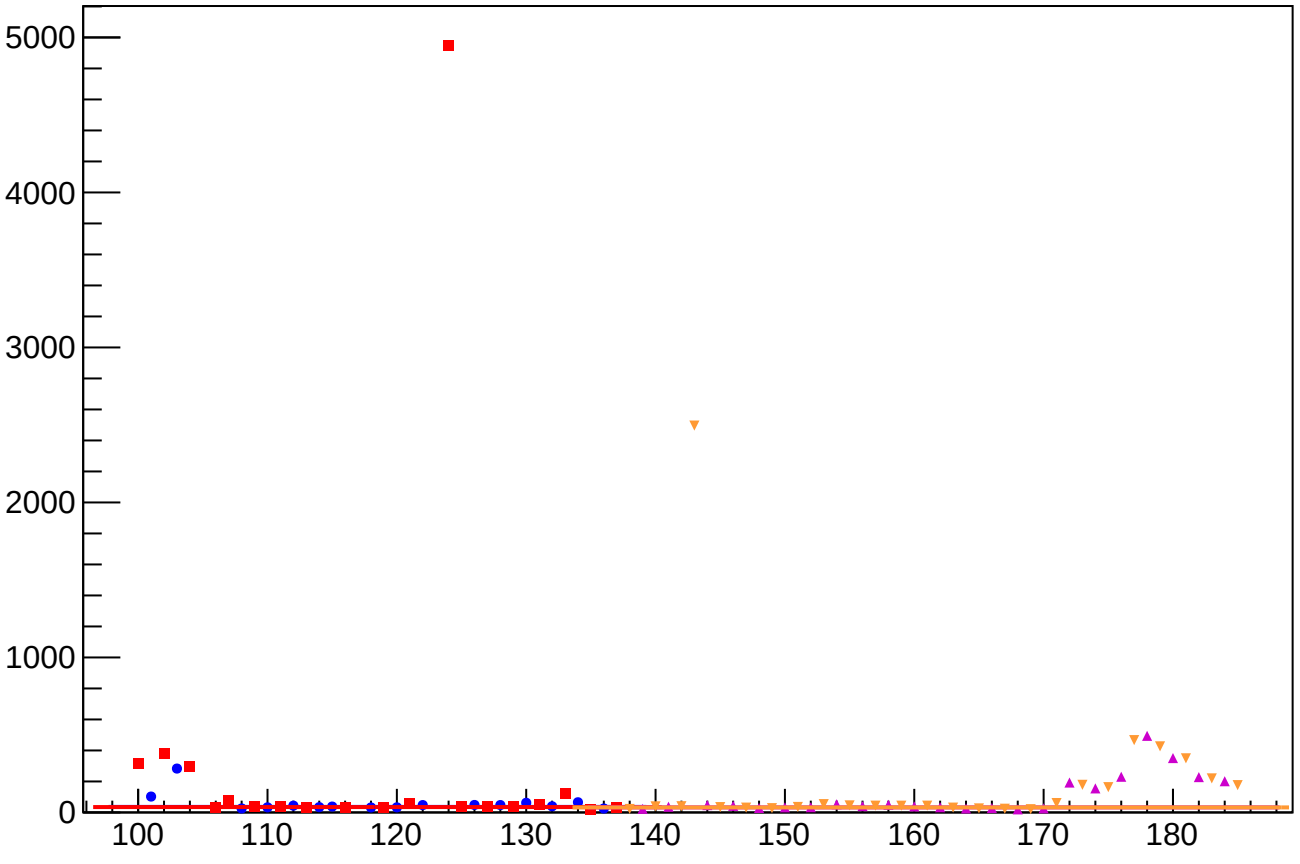
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.7/82

- 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: 32.551+/-0.007 χ^2/NDF:10872015.8/24

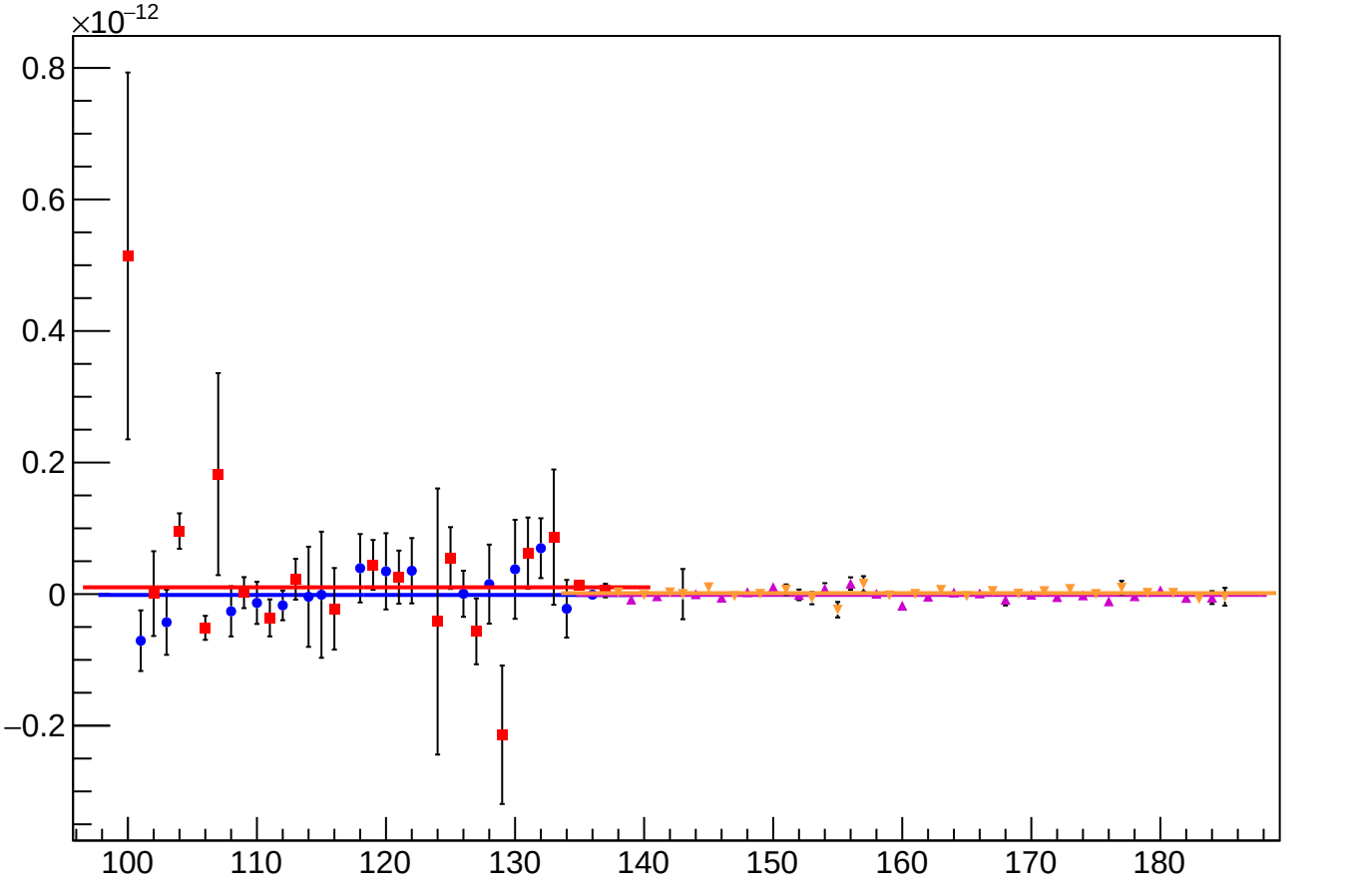
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198445.6/40

All: 33.361+/-0.004 χ^2/NDF: 25101968.6/82

- 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:18.1/24

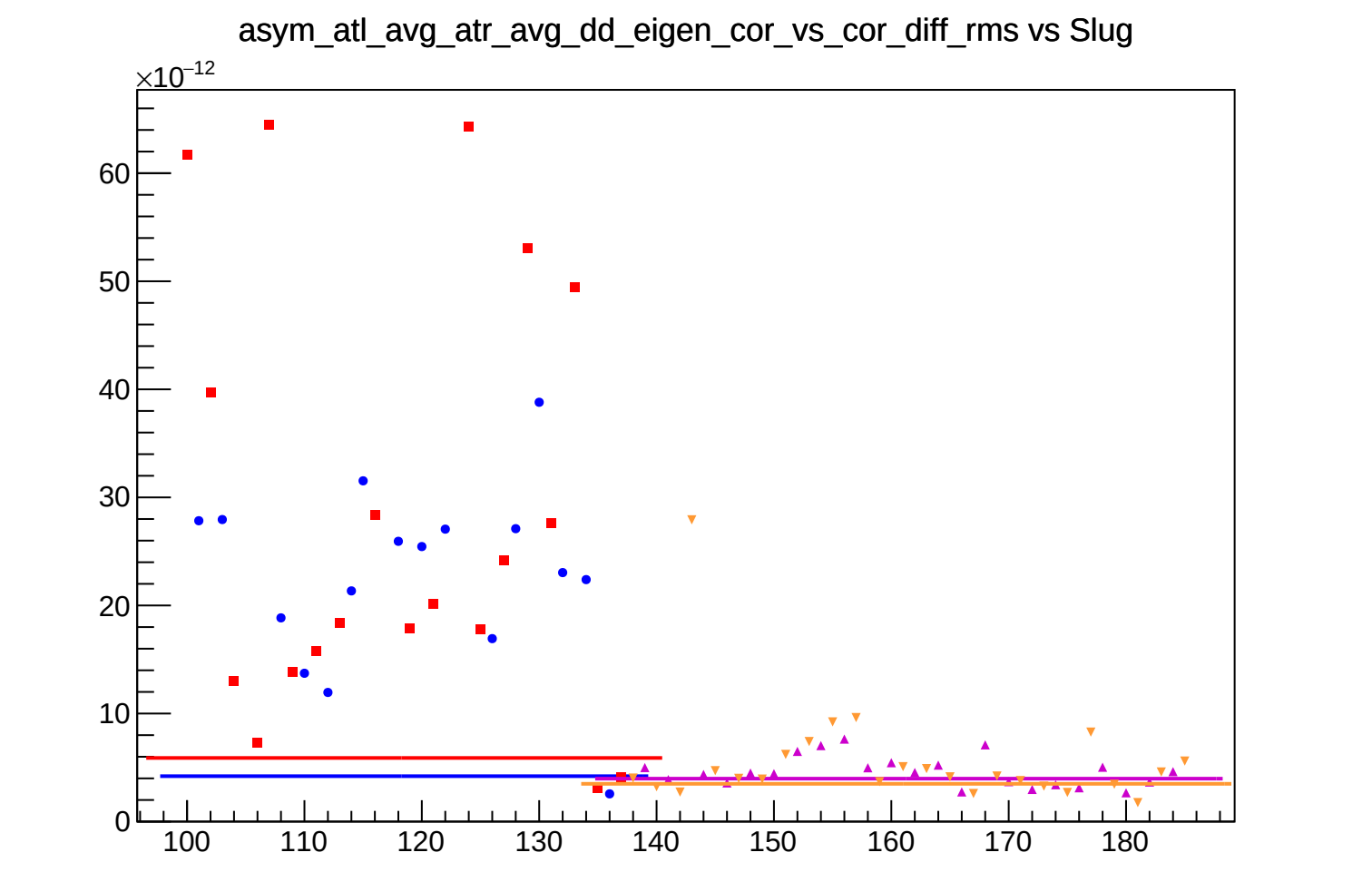
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/40

All: 0.000+/-0.000 χ^2/NDF: 104.1/82

- sign -0.000+/-0.000 χ^2/NDF: 75.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

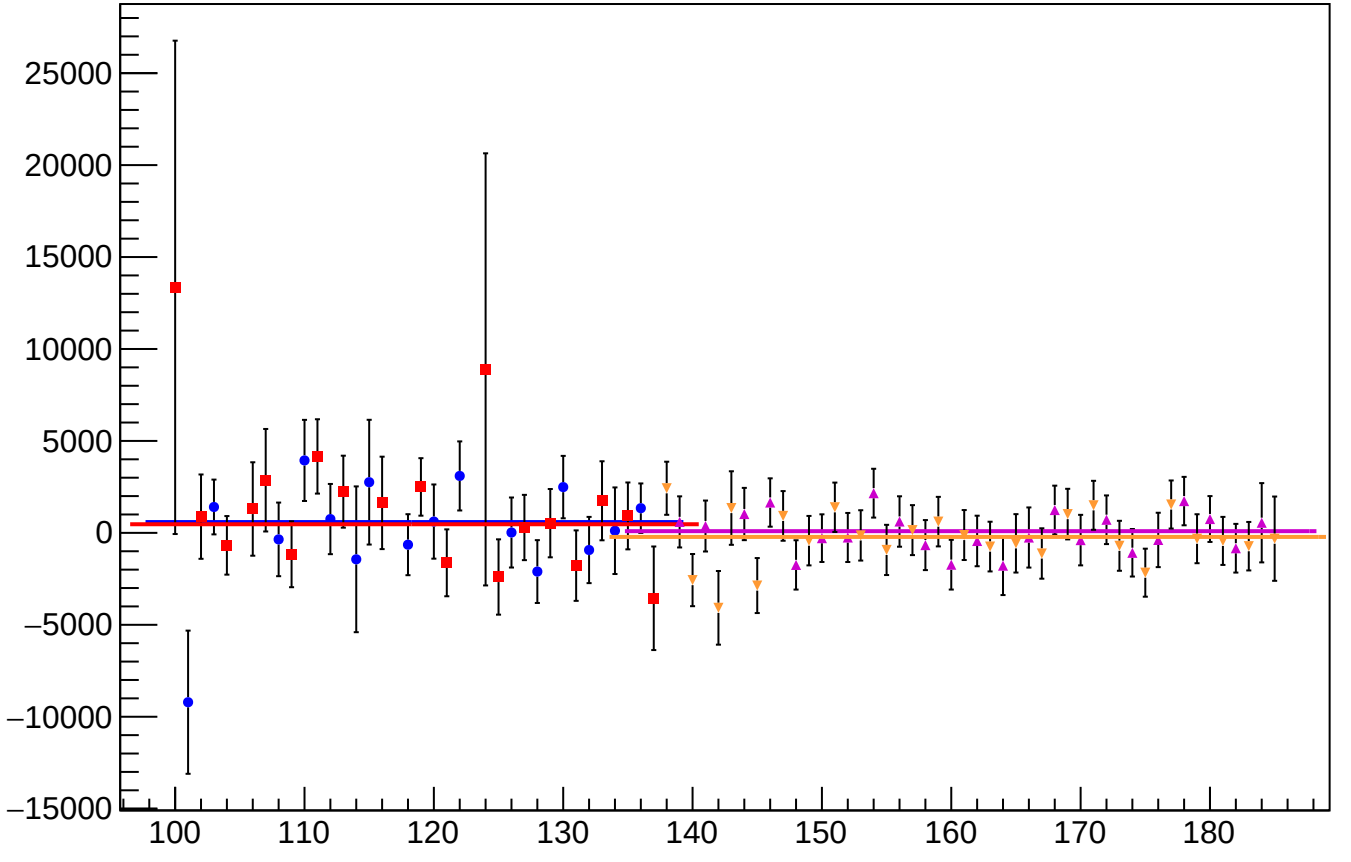
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9846331.3/40

All: 0.000+/-0.000 χ^2/NDF: 17442929.5/82

- sign 0.000+/-0.000 χ^2/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: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

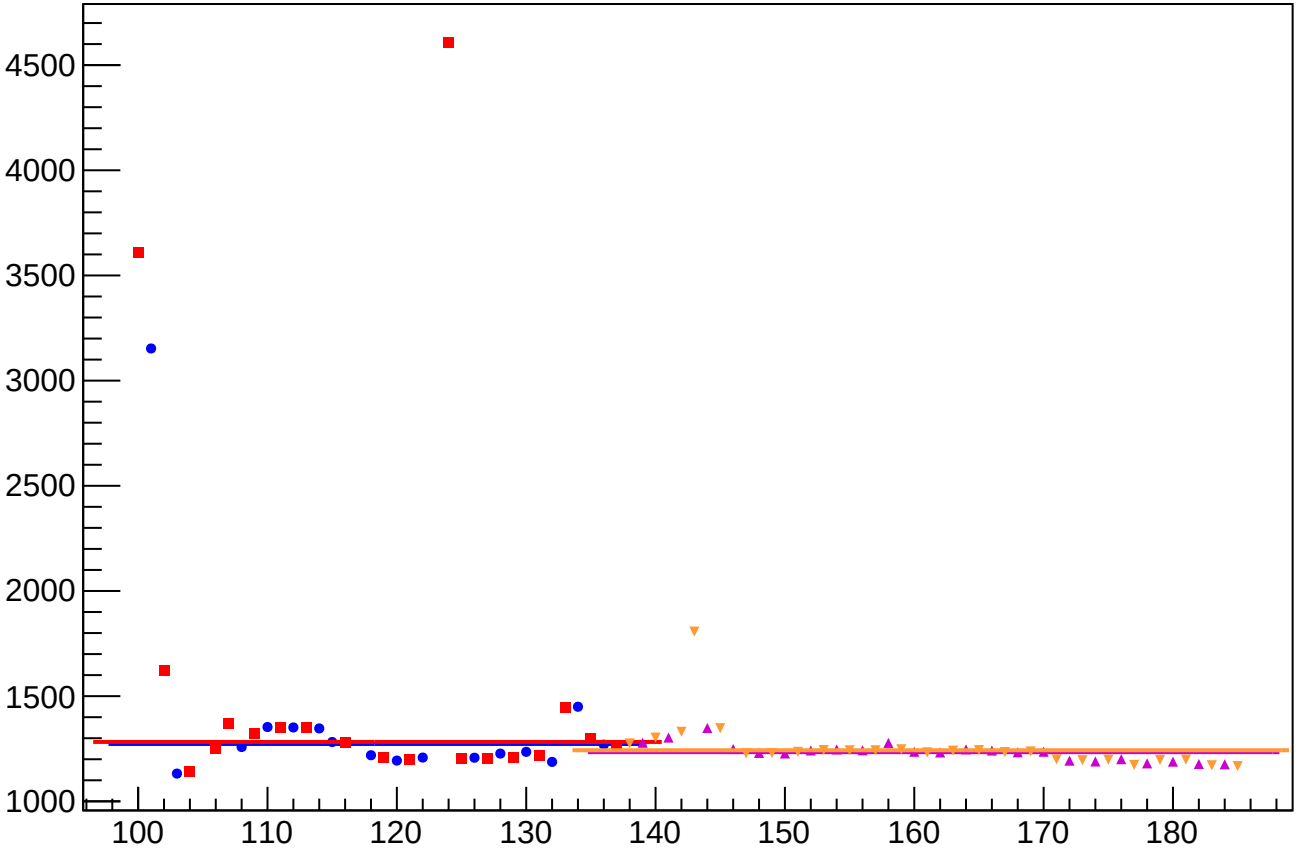
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -13.891+/-244.136 χ^2/NDF: 43.1/40

All: 87.808+/-173.691 χ^2/NDF: 75.4/82

- 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: 1242.825+/-0.200 χ^2/NDF:203299.1/24

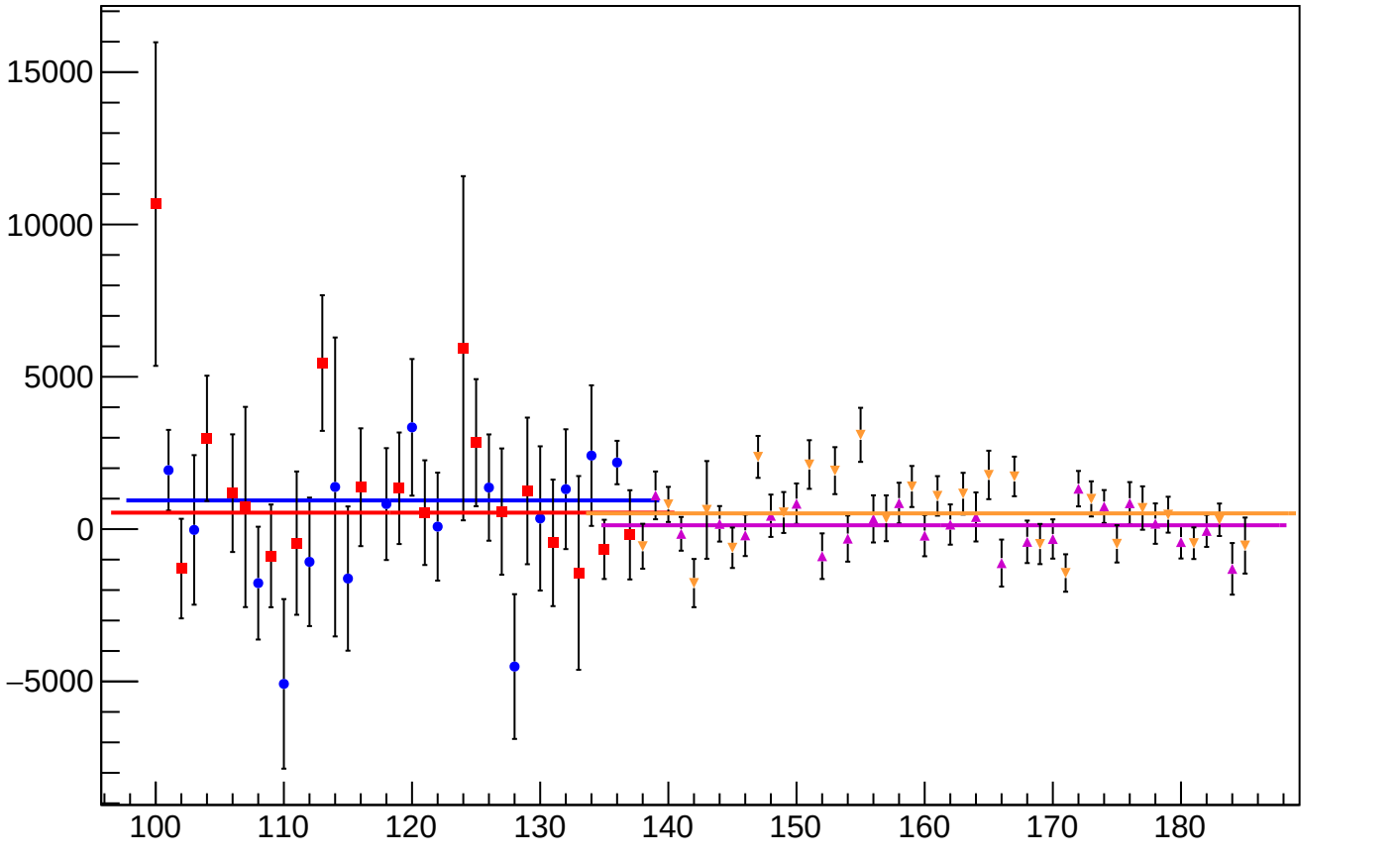
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728342.8/40

All: 1248.582+/-0.123 χ^2/NDF: 1105007.7/82

- 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: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

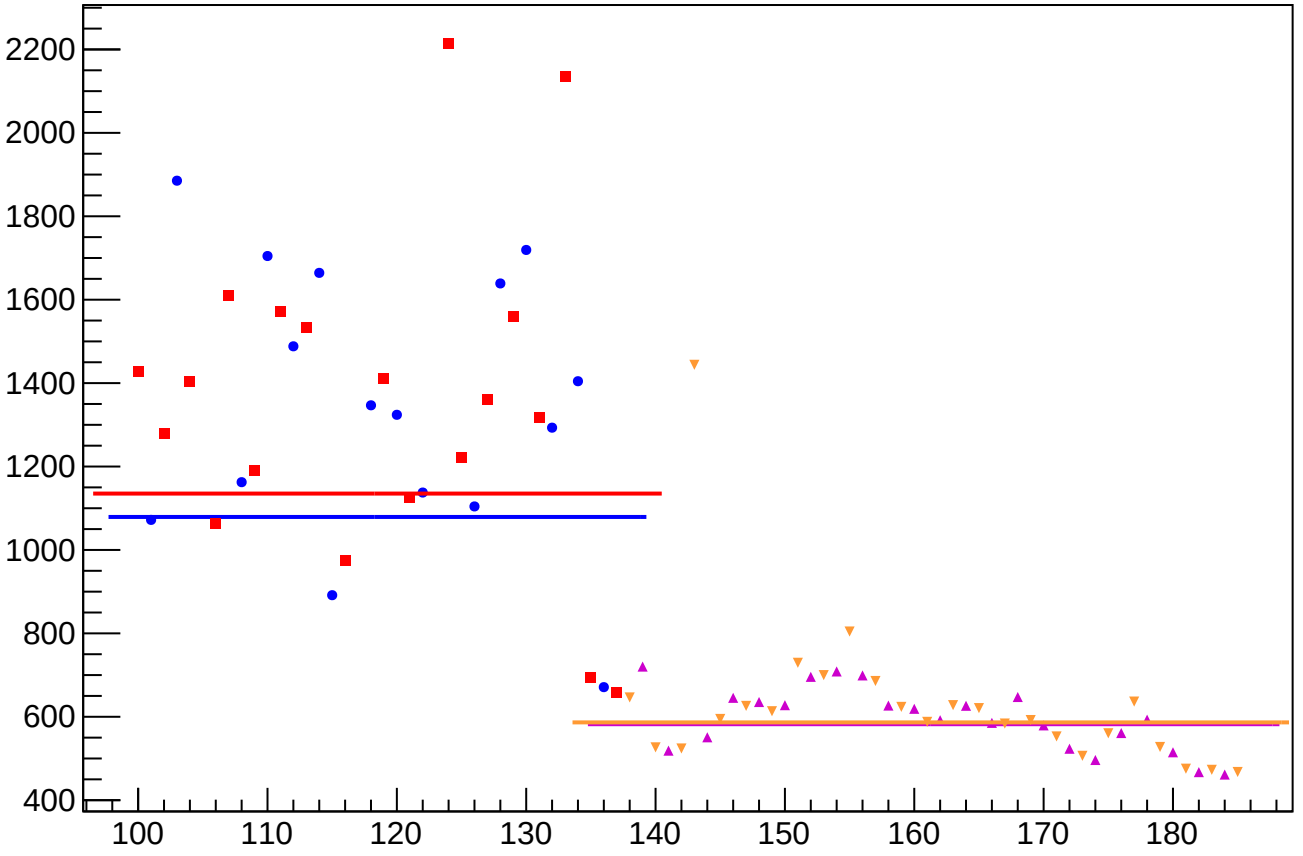
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 555.993+/-129.334 χ^2/NDF: 87.8/40

All: 362.216+/-92.048 χ^2/NDF: 131.9/82

- 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: 586.557+/-0.096 χ^2/NDF:1202915.7/24

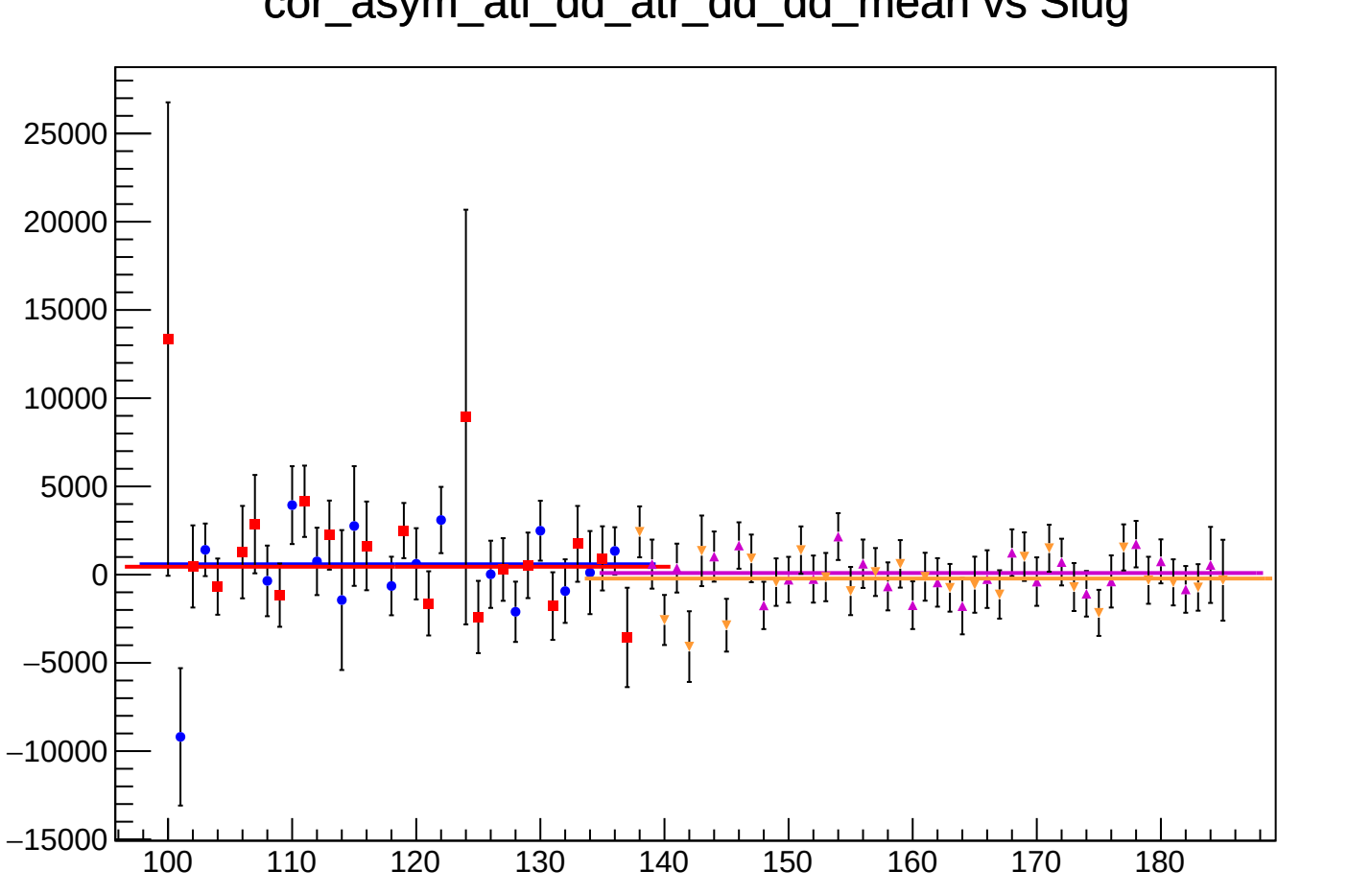
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 631.993+/-0.091 χ^2/NDF: 5114191.2/40

All: 631.628+/-0.065 χ^2/NDF: 9846382.2/82

- 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: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

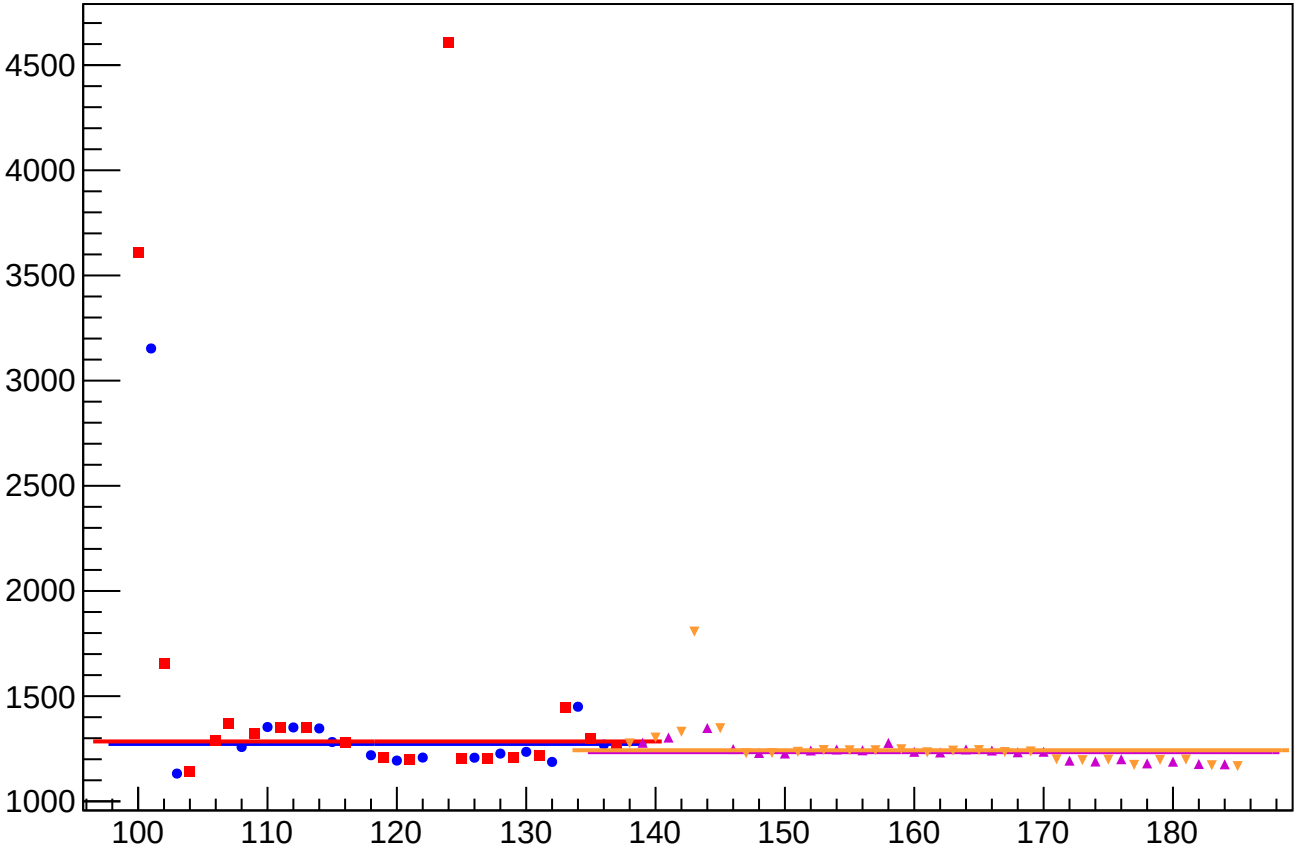
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -13.835+/-244.136 χ^2/NDF: 43.1/40

All: 85.009+/-173.730 χ^2/NDF: 75.3/82

- 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: 1242.825+/-0.200 χ^2/NDF:203299.1/24

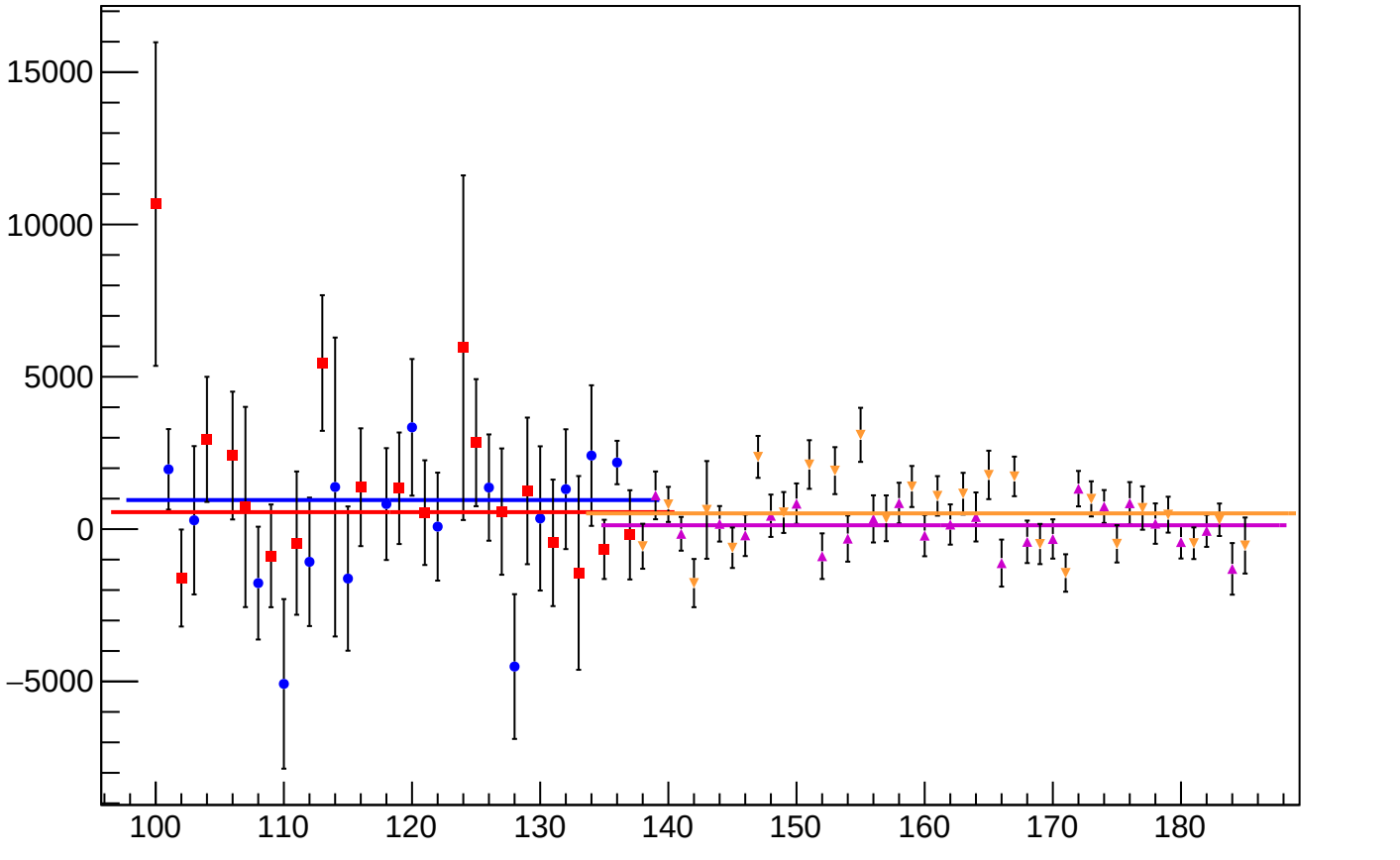
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728344.1/40

All: 1248.865+/-0.123 χ^2/NDF: 1113006.9/82

- 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: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

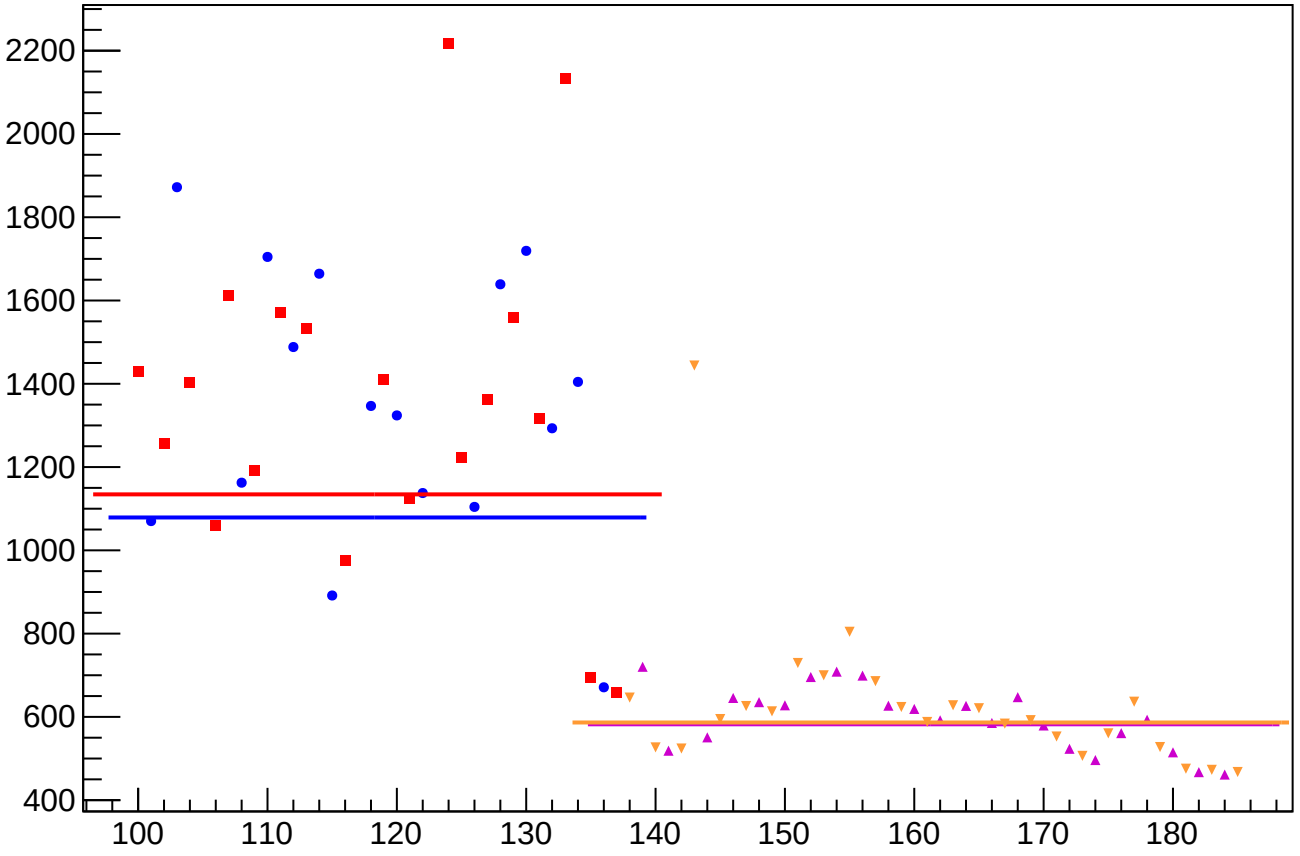
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 557.184+/-129.330 χ^2/NDF: 87.8/40

All: 363.541+/-92.055 χ^2/NDF: 133.2/82

- sign 164.690+/-131.057 χ^2/NDF: 40.8/41

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

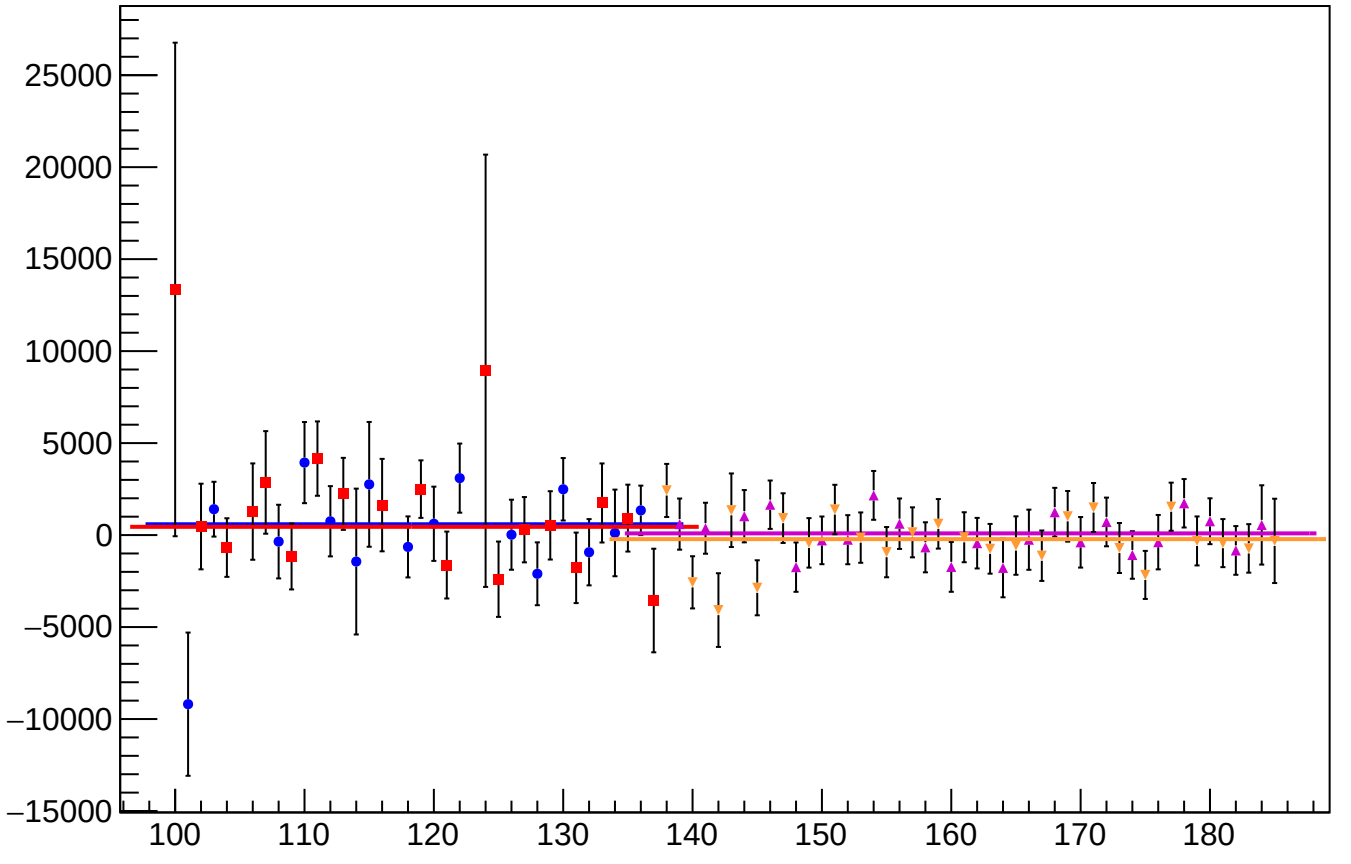
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 632.015+/-0.091 χ^2/NDF: 5110511.2/40

All: 631.521+/-0.065 χ^2/NDF: 9820808.9/82

- 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: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

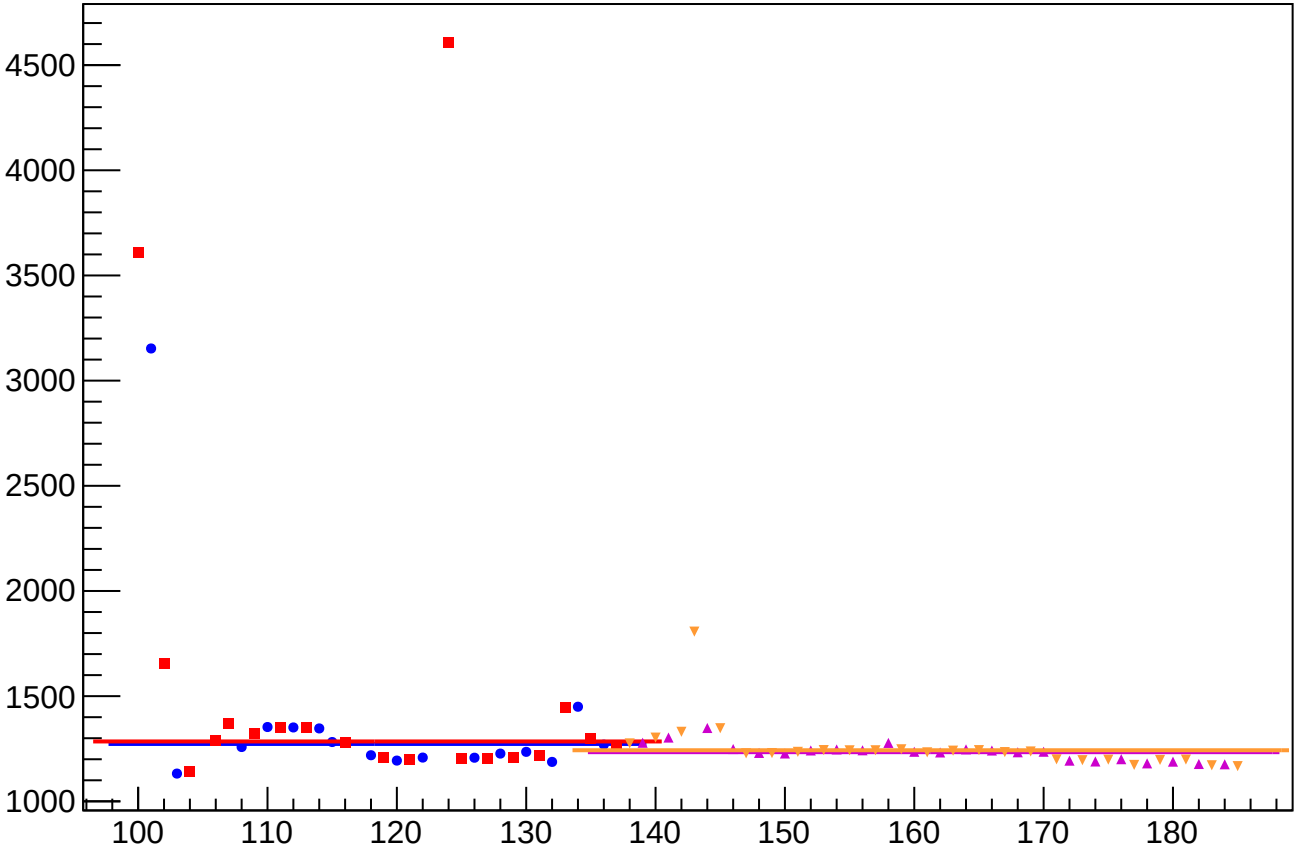
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -13.835+/-244.136 χ^2/NDF: 43.1/40

All: 85.009+/-173.730 χ^2/NDF: 75.3/82

- 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: 1242.825+/-0.200 χ^2/NDF:203299.1/24

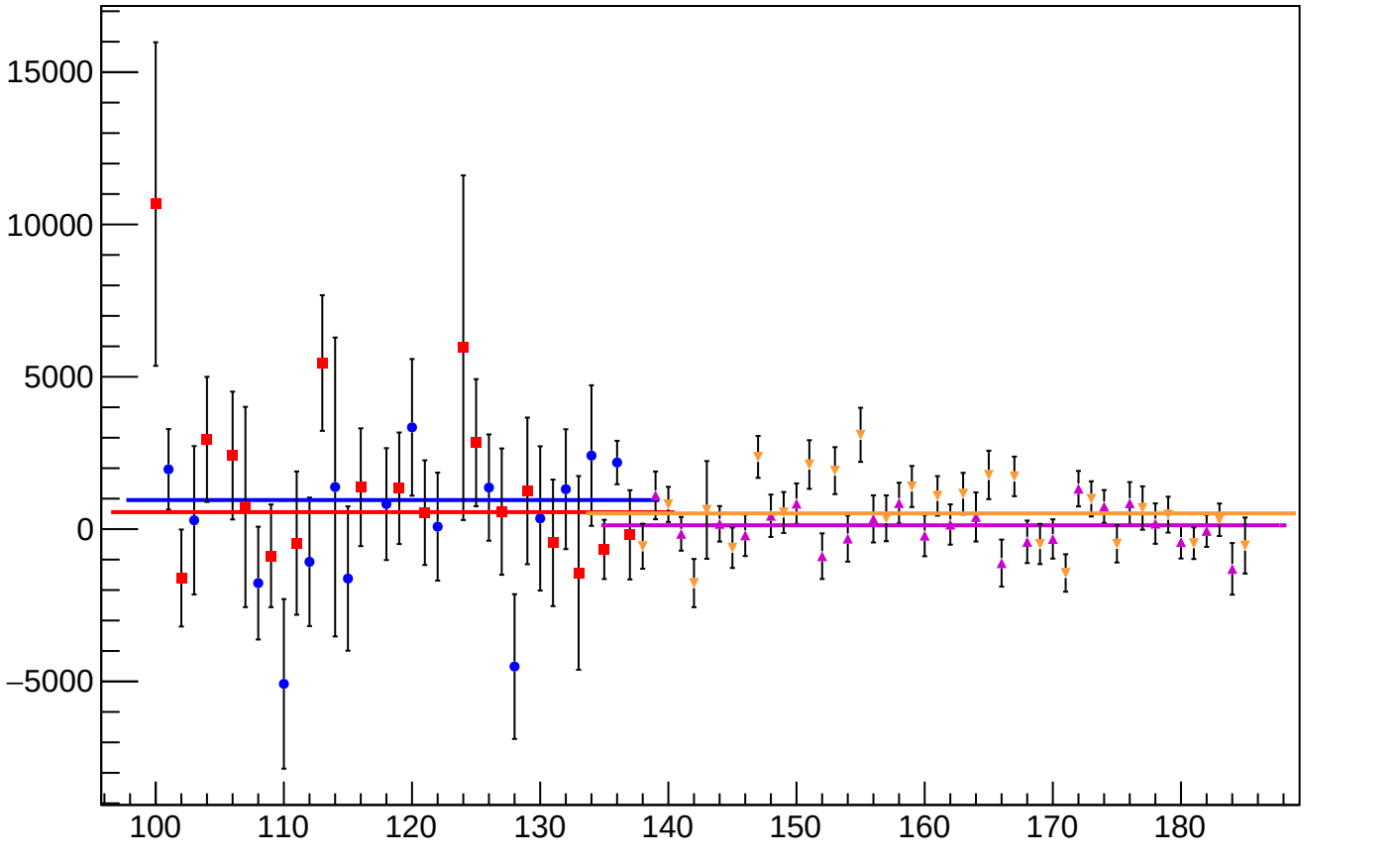
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728344.1/40

All: 1248.865+/-0.123 χ^2/NDF: 1113006.9/82

- 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: 516.811+/-135.747 χ^2/NDF:67.0/24

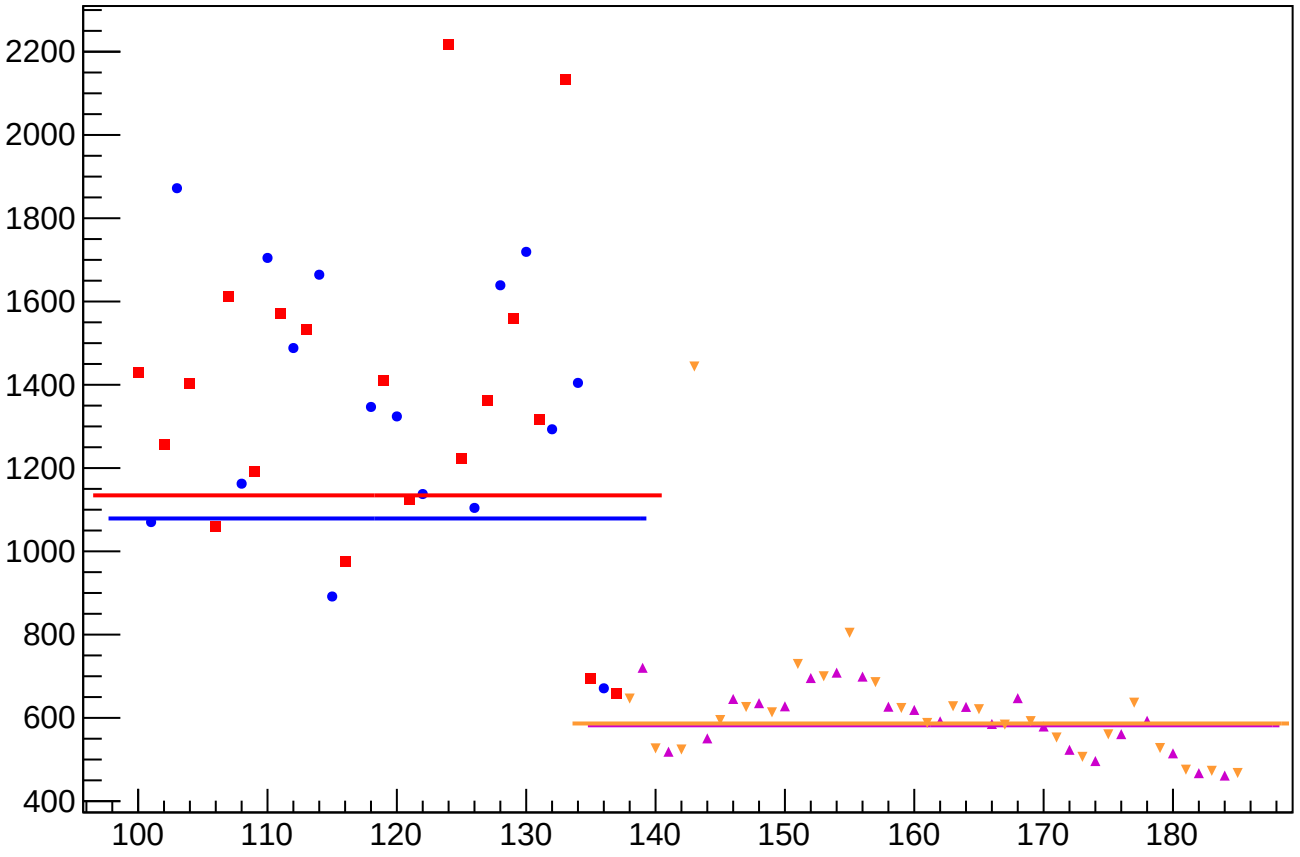
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 557.184+/-129.330 χ^2/NDF: 87.8/40

All: 363.541+/-92.055 χ^2/NDF: 133.2/82

- 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: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

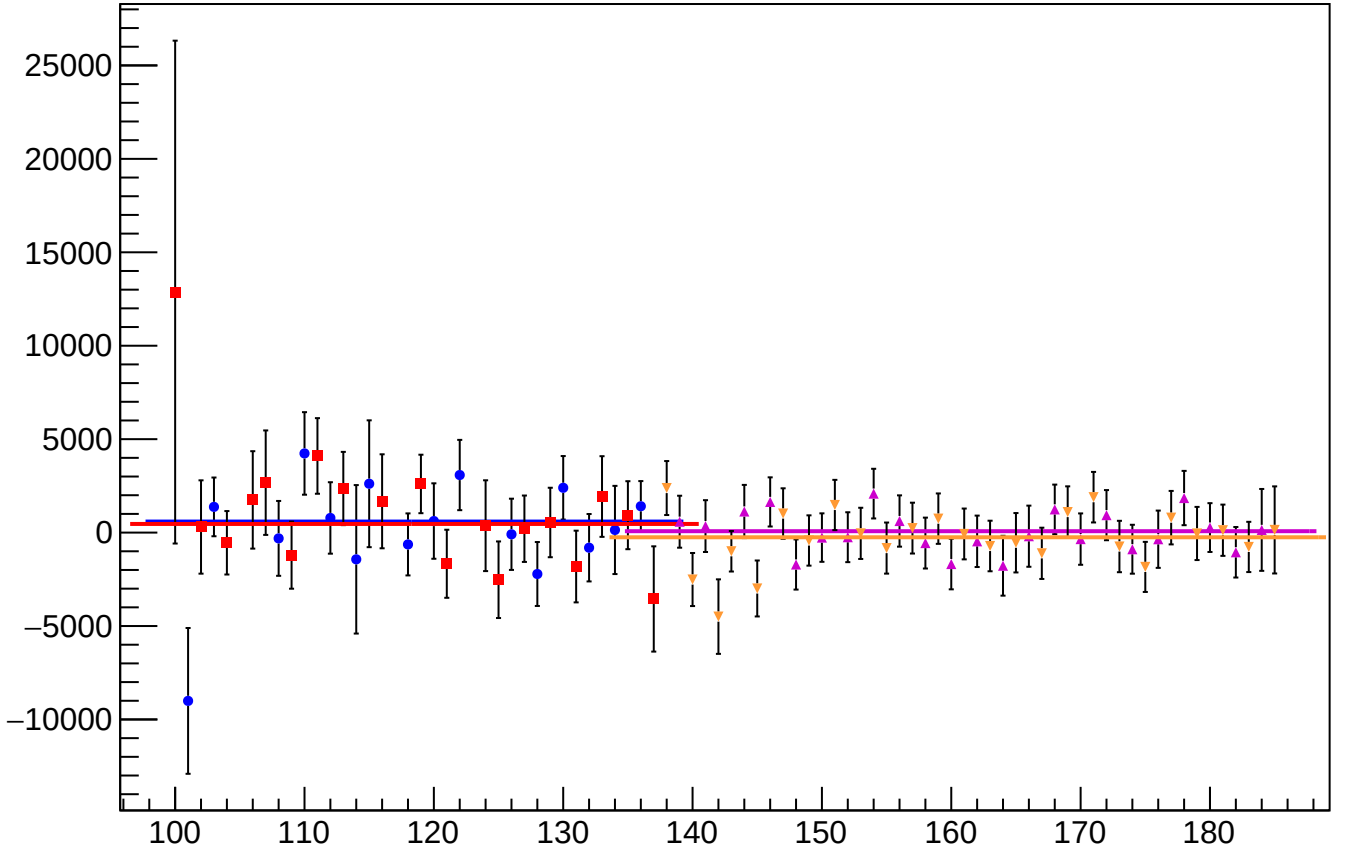
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 632.015+/-0.091 χ^2/NDF: 5110511.2/40

All: 631.521+/-0.065 χ^2/NDF: 9820808.9/82

- 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: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

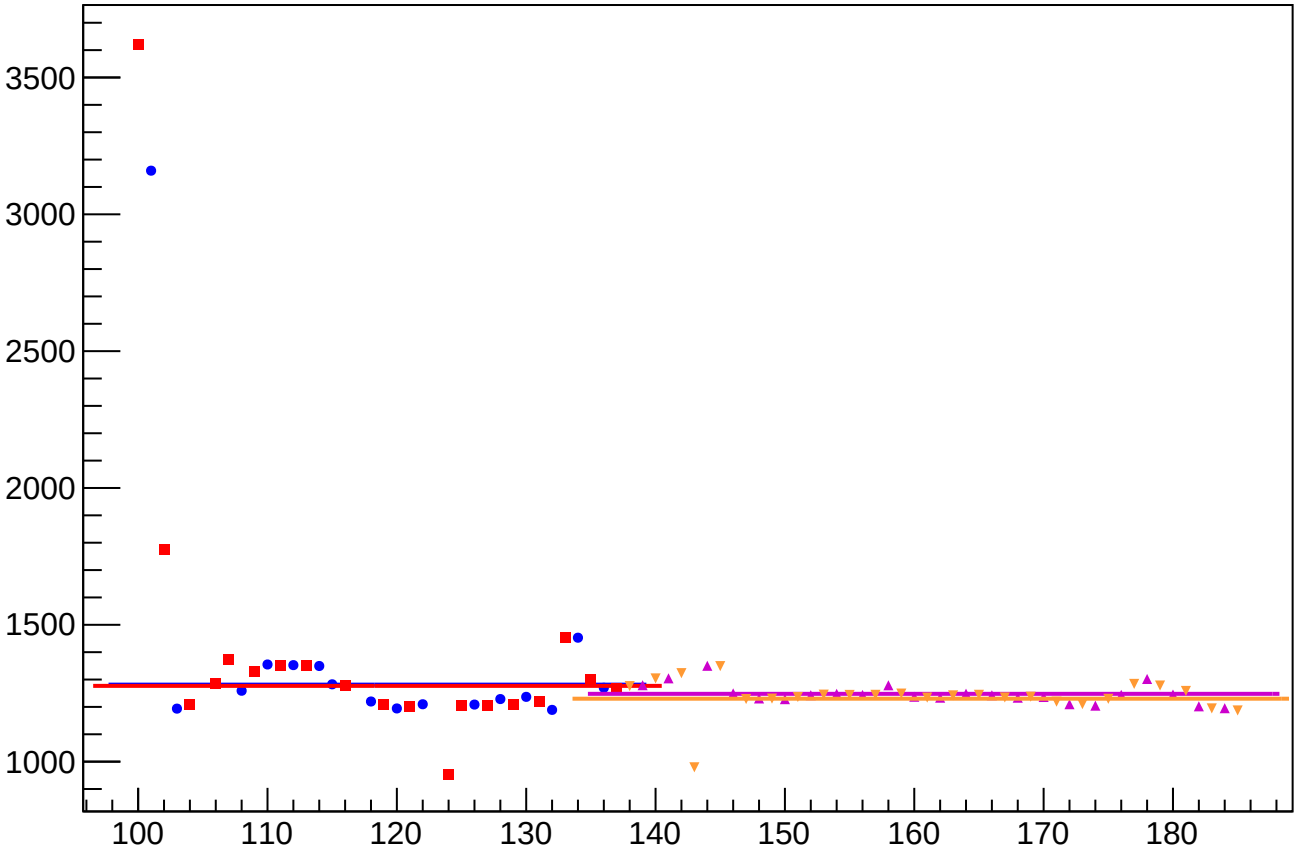
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -40.974+/-242.500 χ^2/NDF: 43.4/40

All: 66.906+/-173.616 χ^2/NDF: 75.0/82

- 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: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

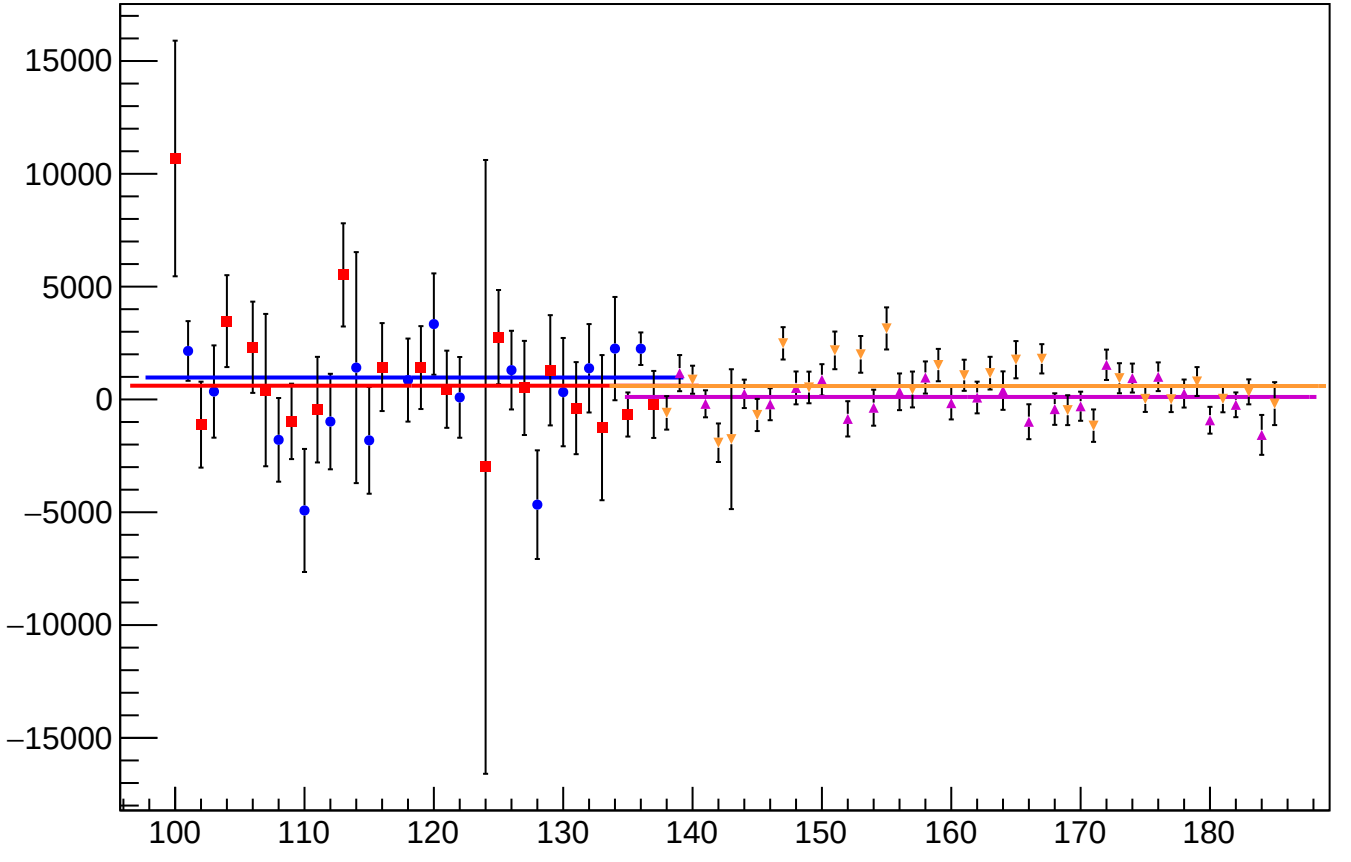
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1242.806+/-0.171 χ^2/NDF: 665499.7/40

All: 1249.088+/-0.123 χ^2/NDF: 921521.7/82

- 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: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

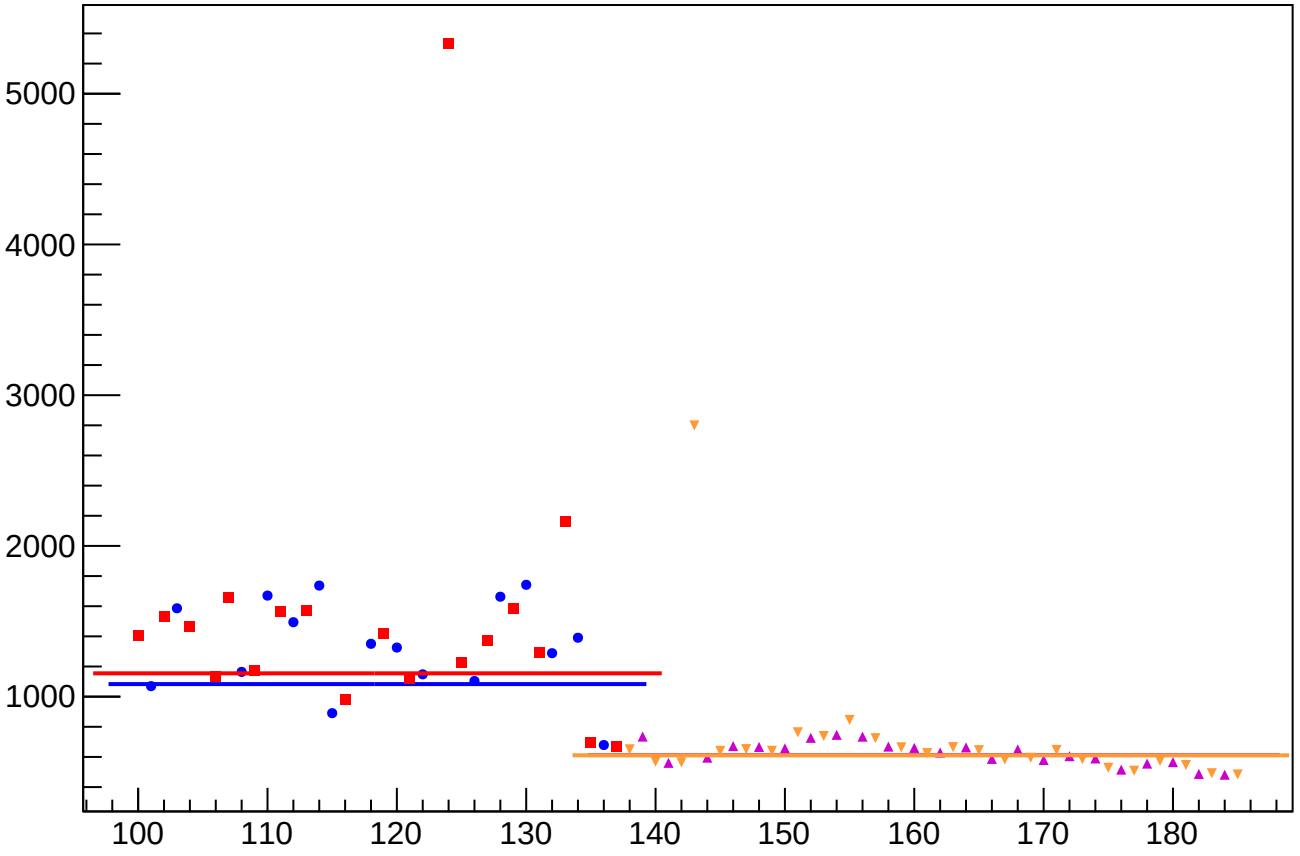
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 632.916+/-134.800 χ^2/NDF: 78.5/40

All: 399.349+/-96.184 χ^2/NDF: 128.6/82

- sign 157.089+/-137.285 χ^2/NDF: 44.0/41

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

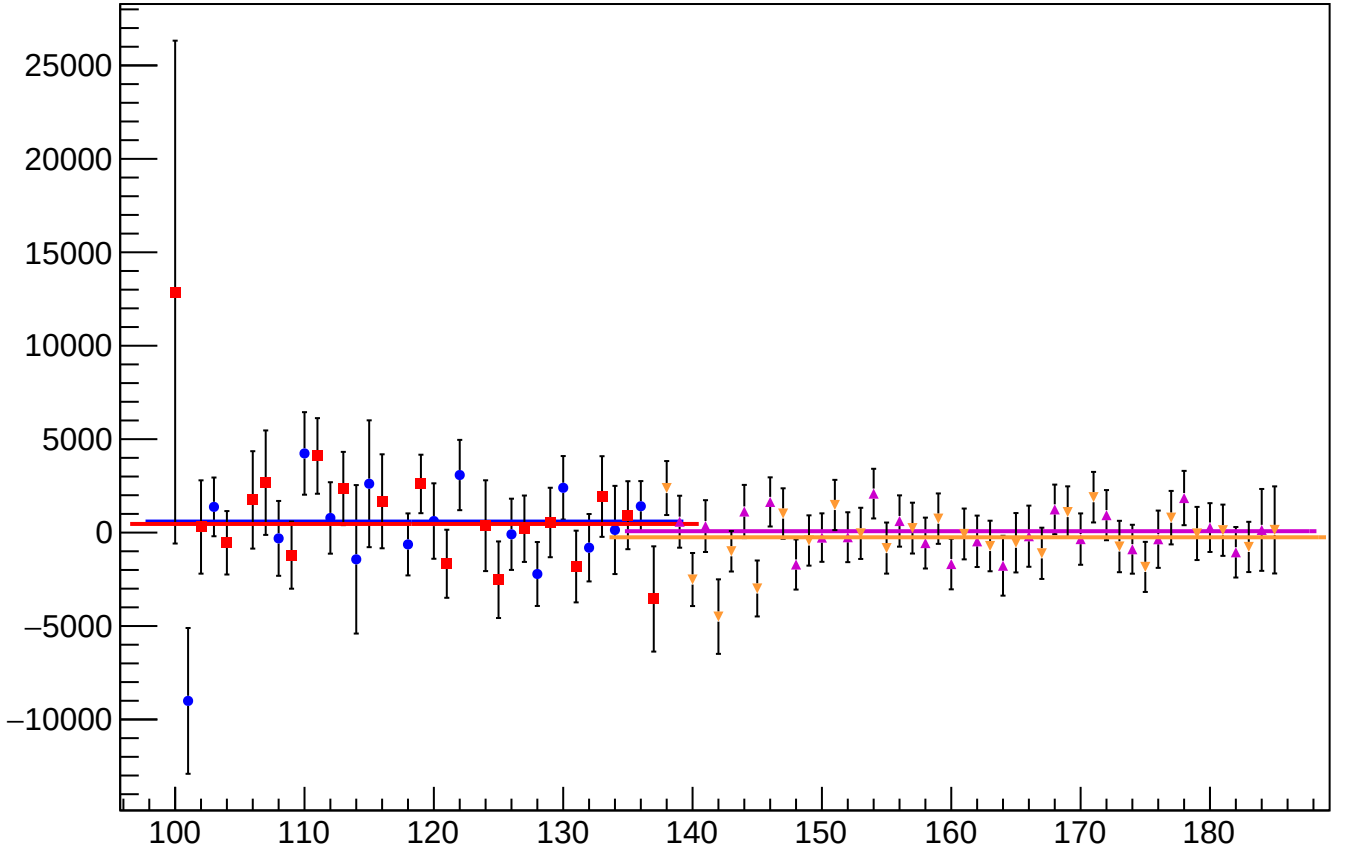
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 658.546+/-0.095 χ^2/NDF: 5198429.3/40

All: 660.922+/-0.068 χ^2/NDF: 9855053.8/82

- sign 663.387+/-0.097 χ^2/NDF: 4655358.7/41

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

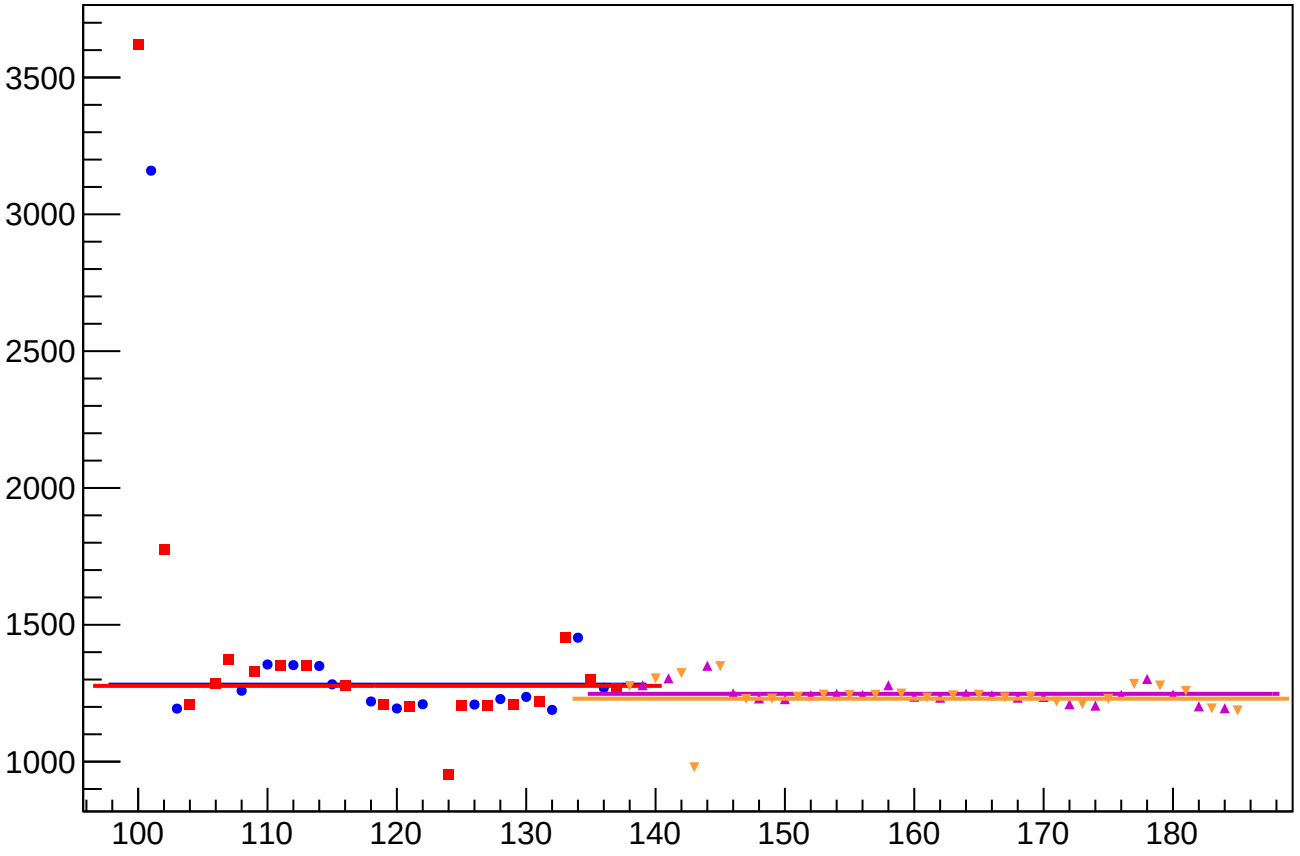
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -40.974+/-242.500 χ^2/NDF: 43.4/40

All: 66.906+/-173.616 χ^2/NDF: 75.0/82

- 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: 1229.986+/-0.198 χ^2/NDF:141606.6/24

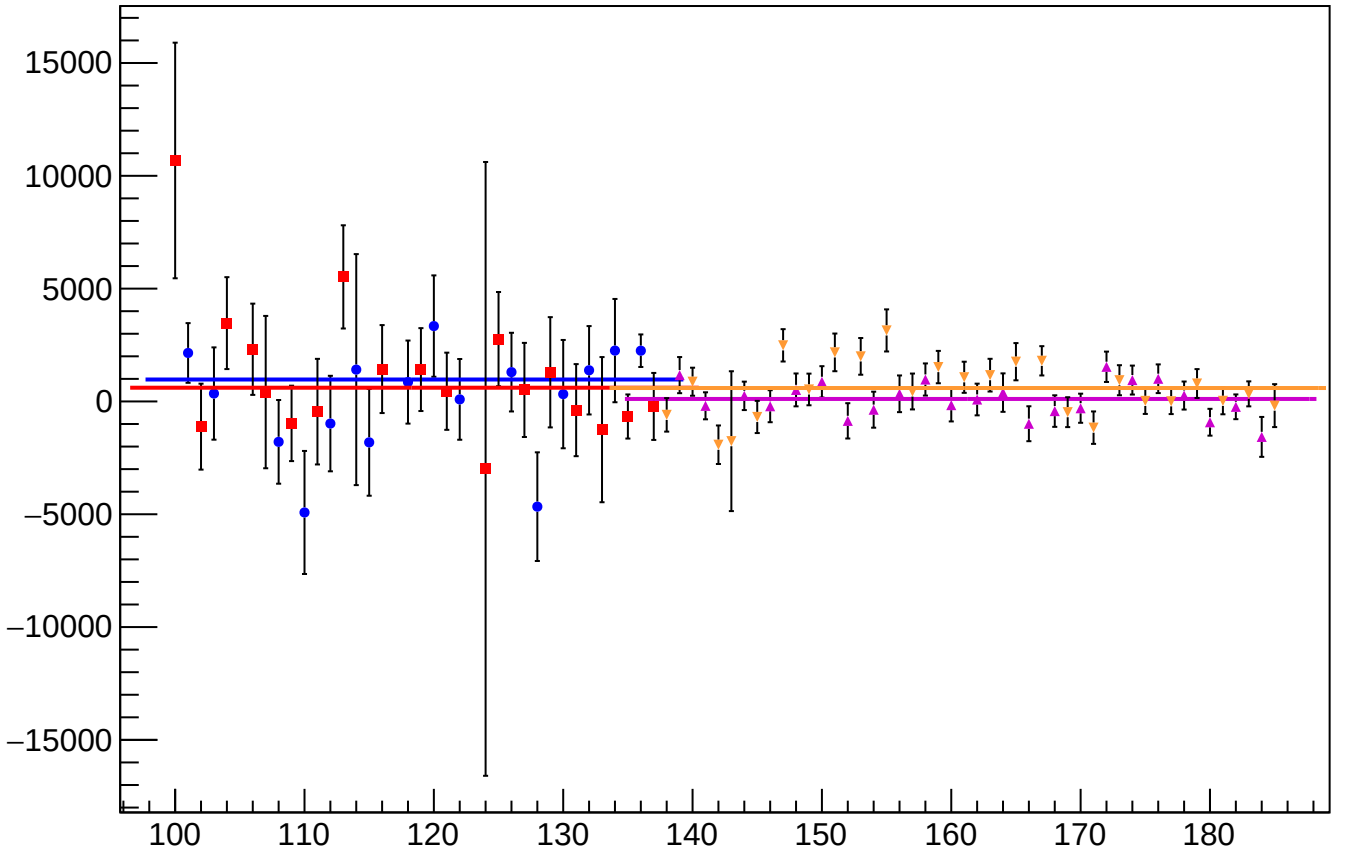
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1242.806+/-0.171 χ^2/NDF: 665498.9/40

All: 1249.088+/-0.123 χ^2/NDF: 921520.6/82

- 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: 595.000+/-142.130 χ^2/NDF:57.3/24

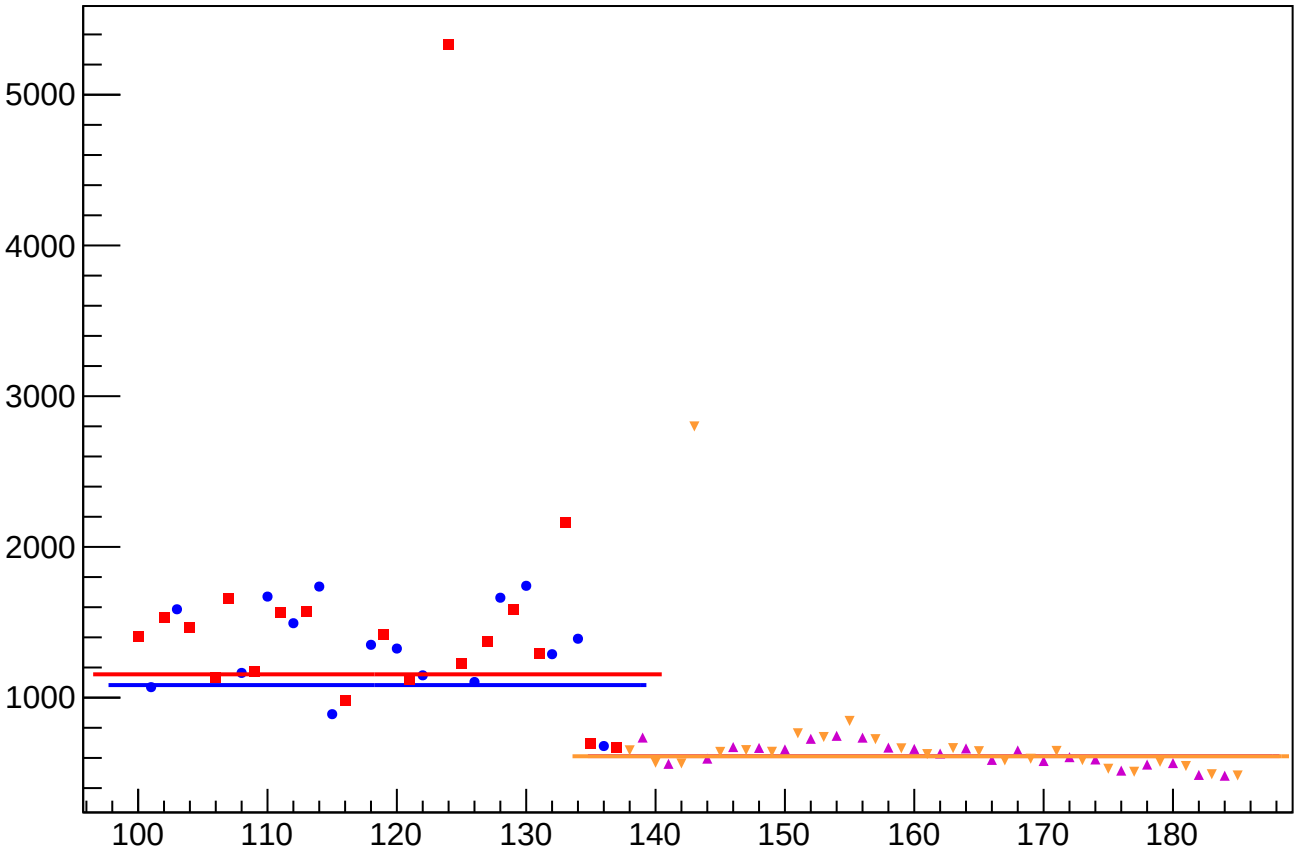
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 632.915+/-134.800 χ^2/NDF: 78.5/40

All: 399.348+/-96.184 χ^2/NDF: 128.6/82

\- 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: 611.086+/-0.101 χ^2/NDF:1619319.5/24

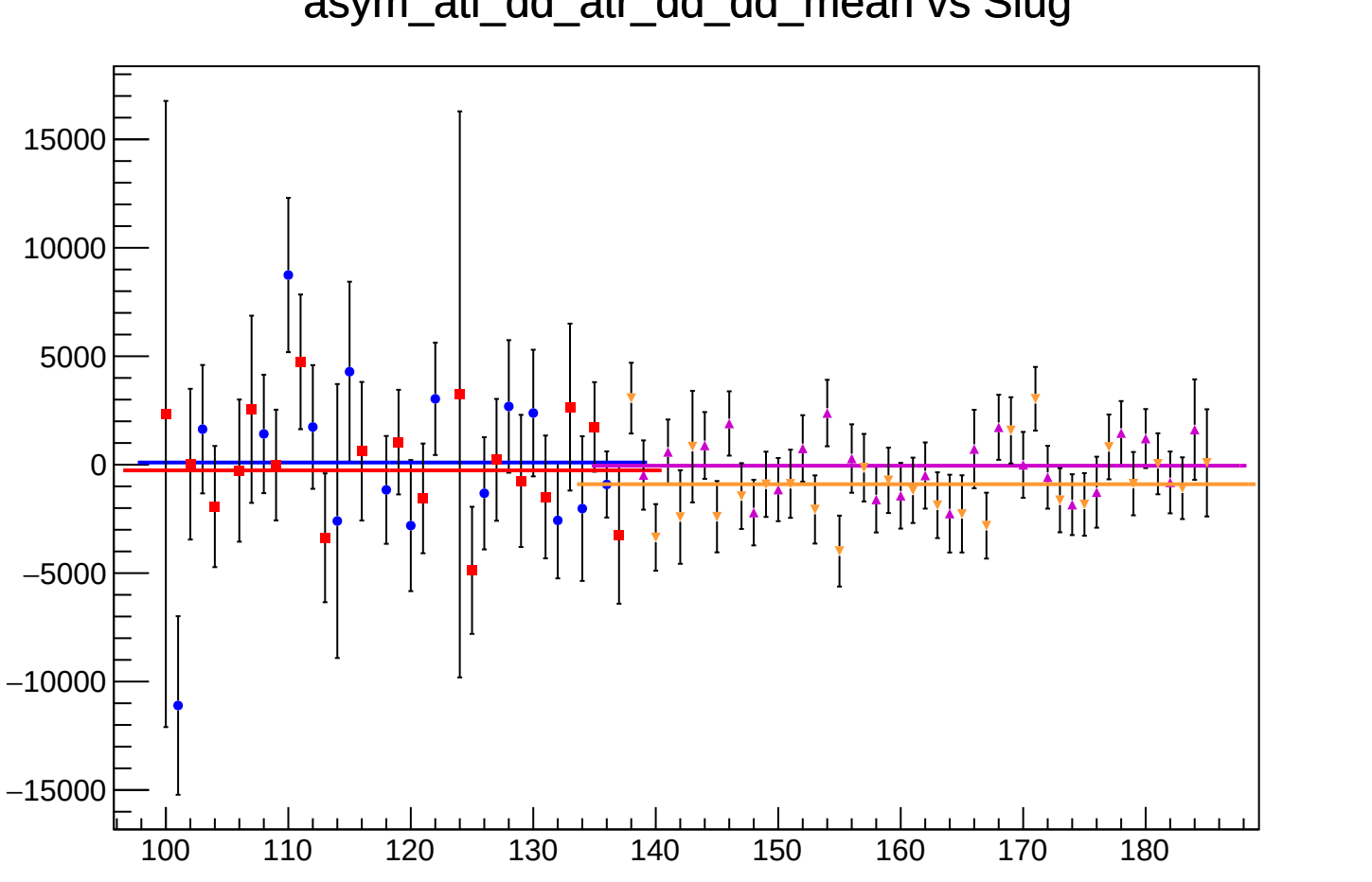
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 658.546+/-0.095 χ^2/NDF: 5198416.6/40

All: 660.922+/-0.068 χ^2/NDF: 9855048.3/82

- 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: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

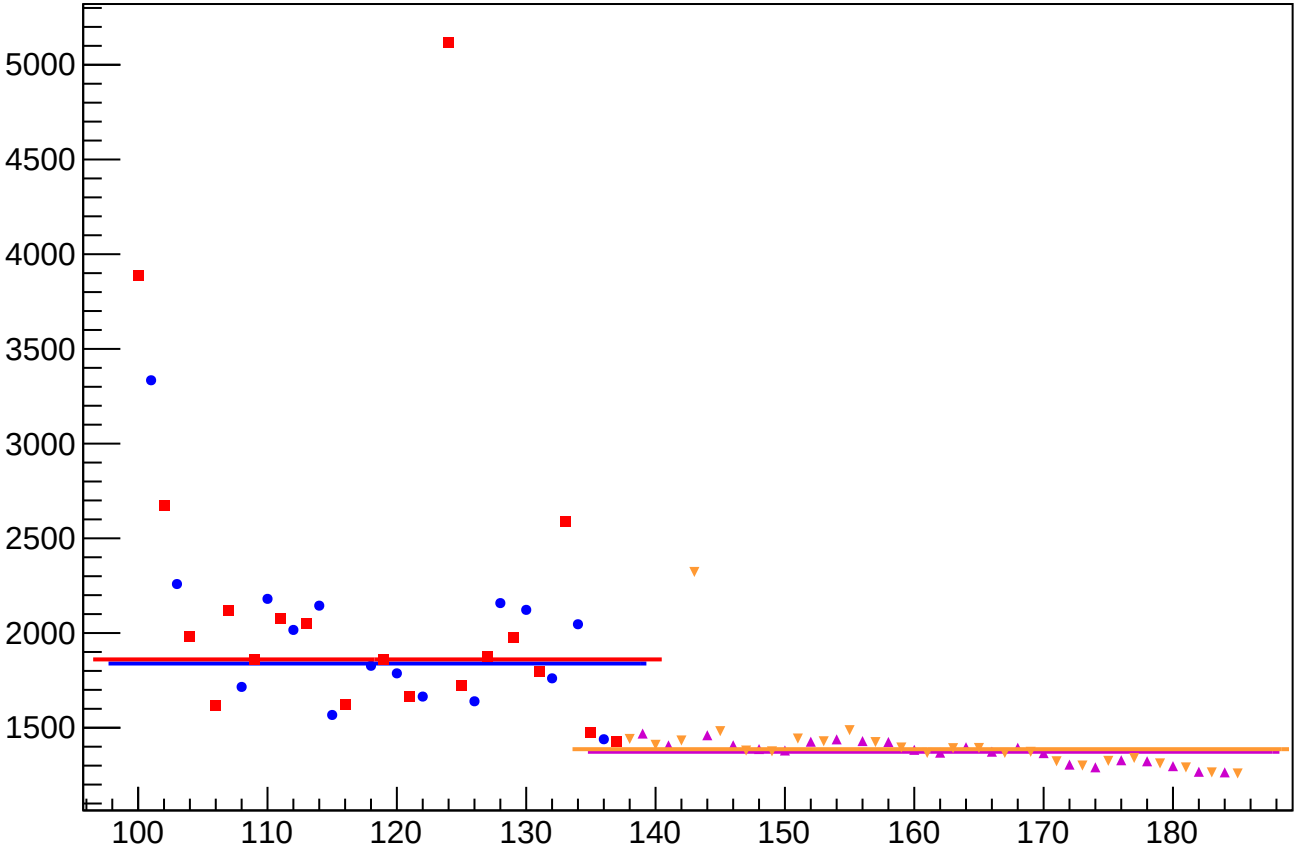
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

\+ sign -729.737+/-288.282 χ^2/NDF: 52.8/40

All: -411.410+/-205.047 χ^2/NDF: 83.6/82

\- 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: 1386.845+/-0.224 χ^2/NDF:339794.5/24

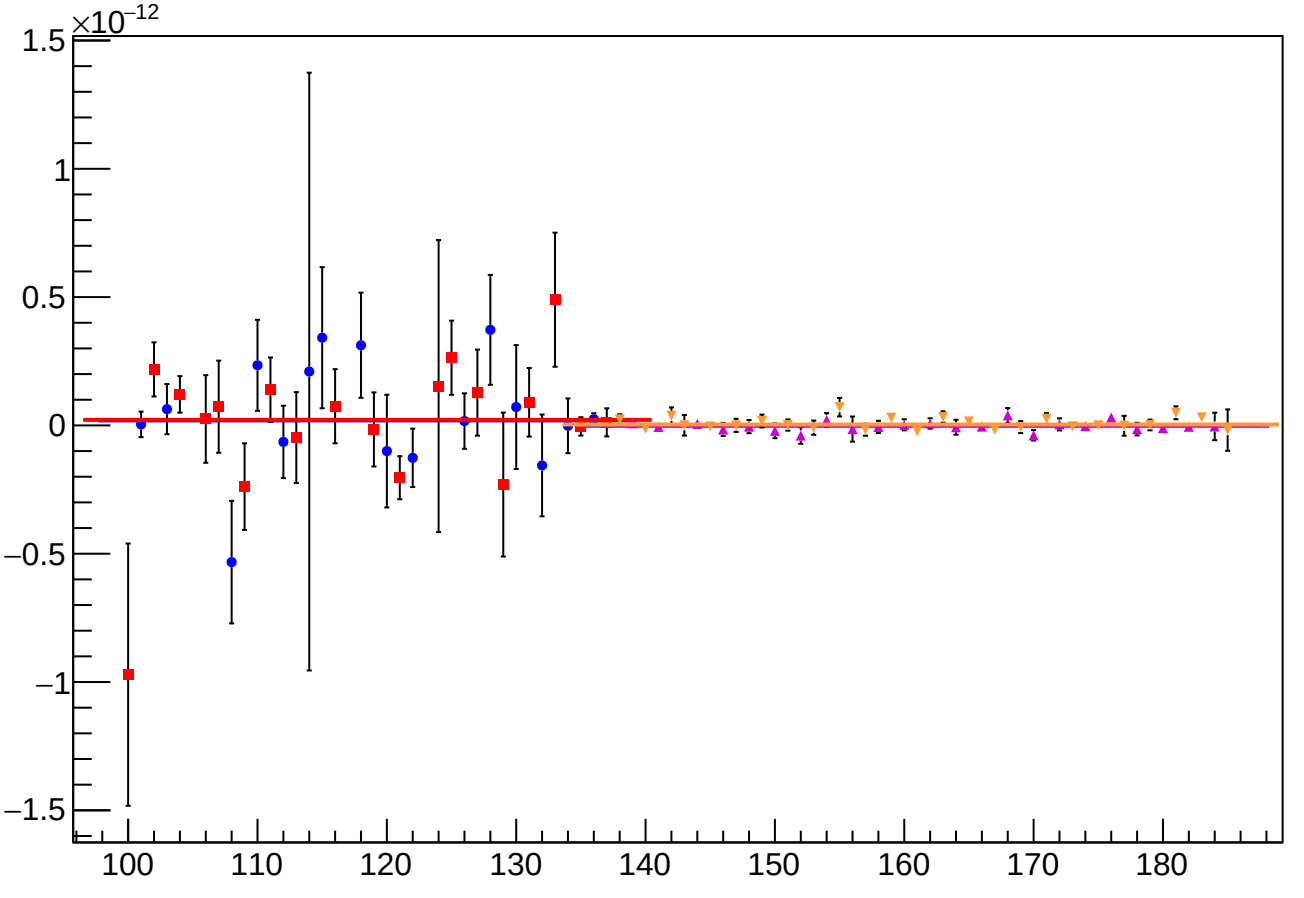
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1463.775+/-0.204 χ^2/NDF: 1591411.8/40

All: 1460.898+/-0.145 χ^2/NDF: 2980601.6/82

- 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:24.8/24

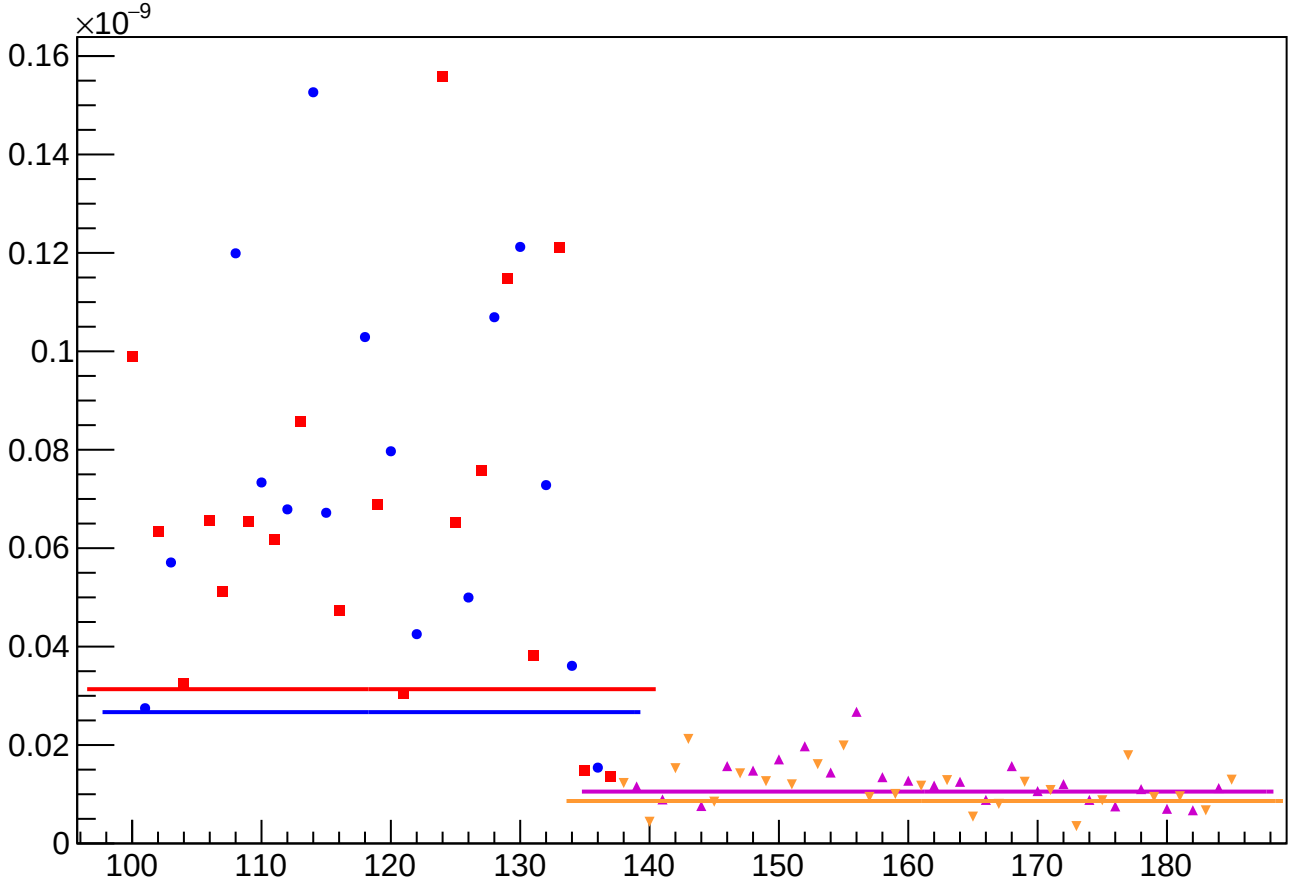
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/40

All: 0.000+/-0.000 χ^2/NDF: 85.4/82

- 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:2148494.6/24

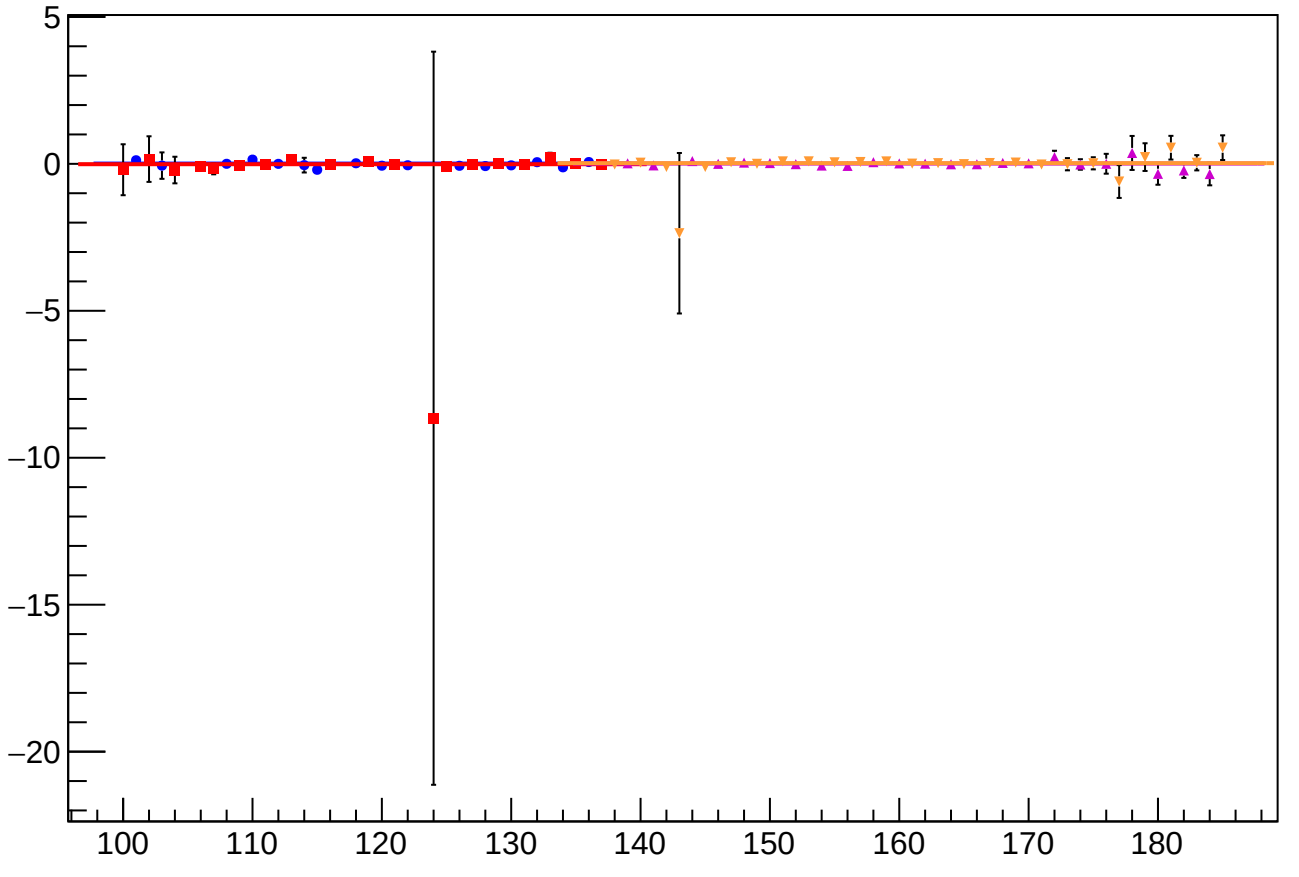
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6500855.1/40

All: 0.000+/-0.000 χ^2/NDF: 11926388.7/82

- 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:22.8/24

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

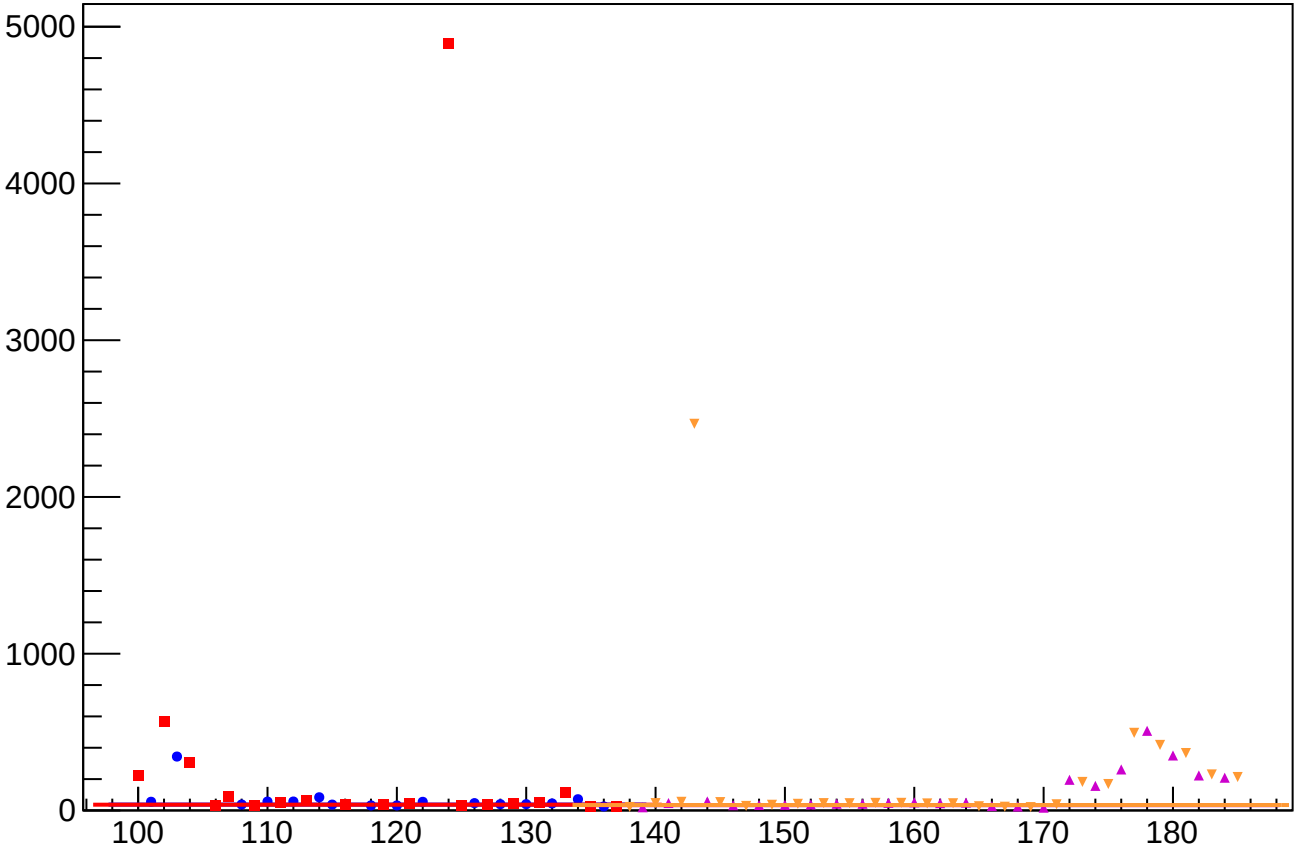
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 73.0/82

- 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: 34.624+/-0.007 χ^2/NDF:11402451.4/24

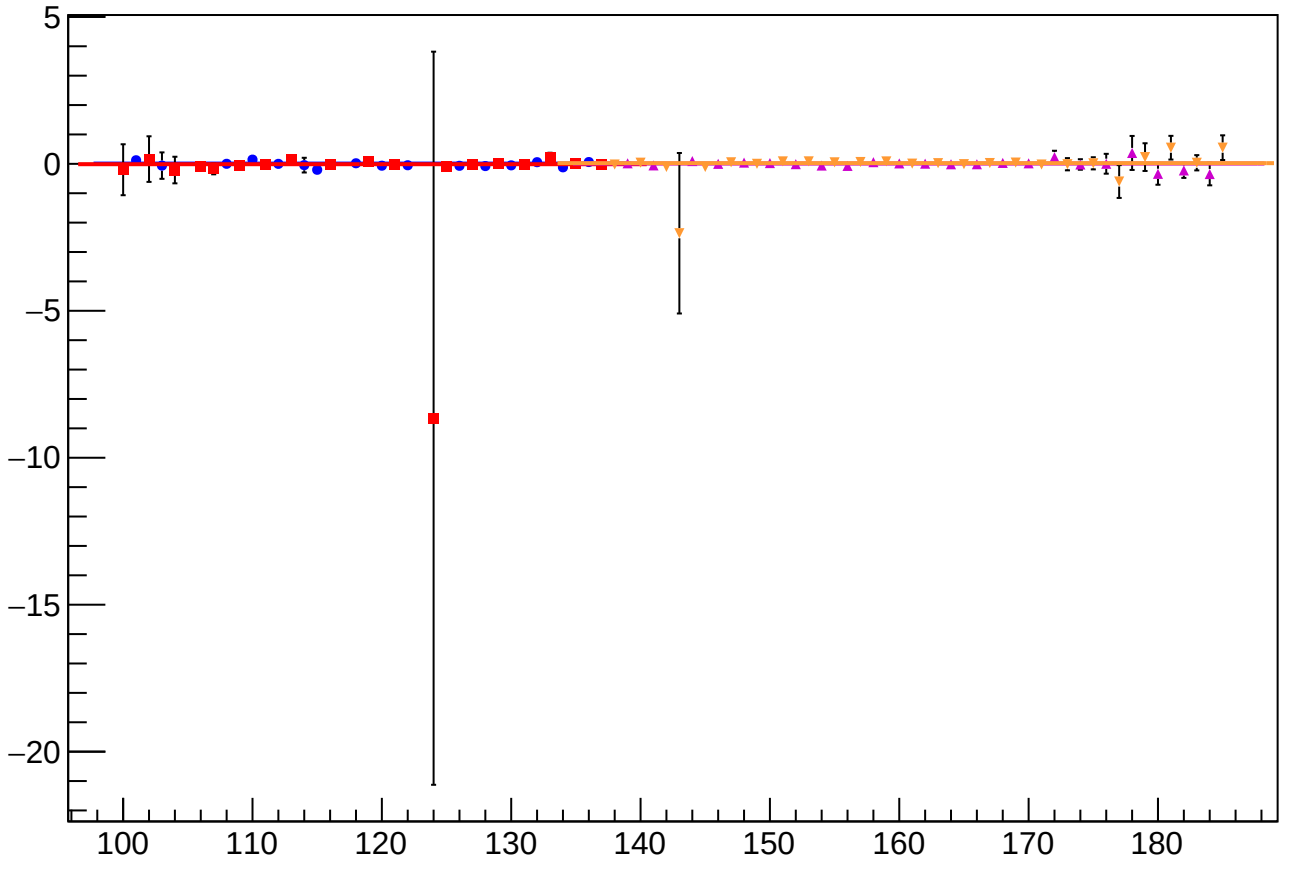
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.448+/-0.006 χ^2/NDF: 13431173.6/40

All: 34.933+/-0.004 χ^2/NDF: 26757227.8/82

\- 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:22.8/24

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

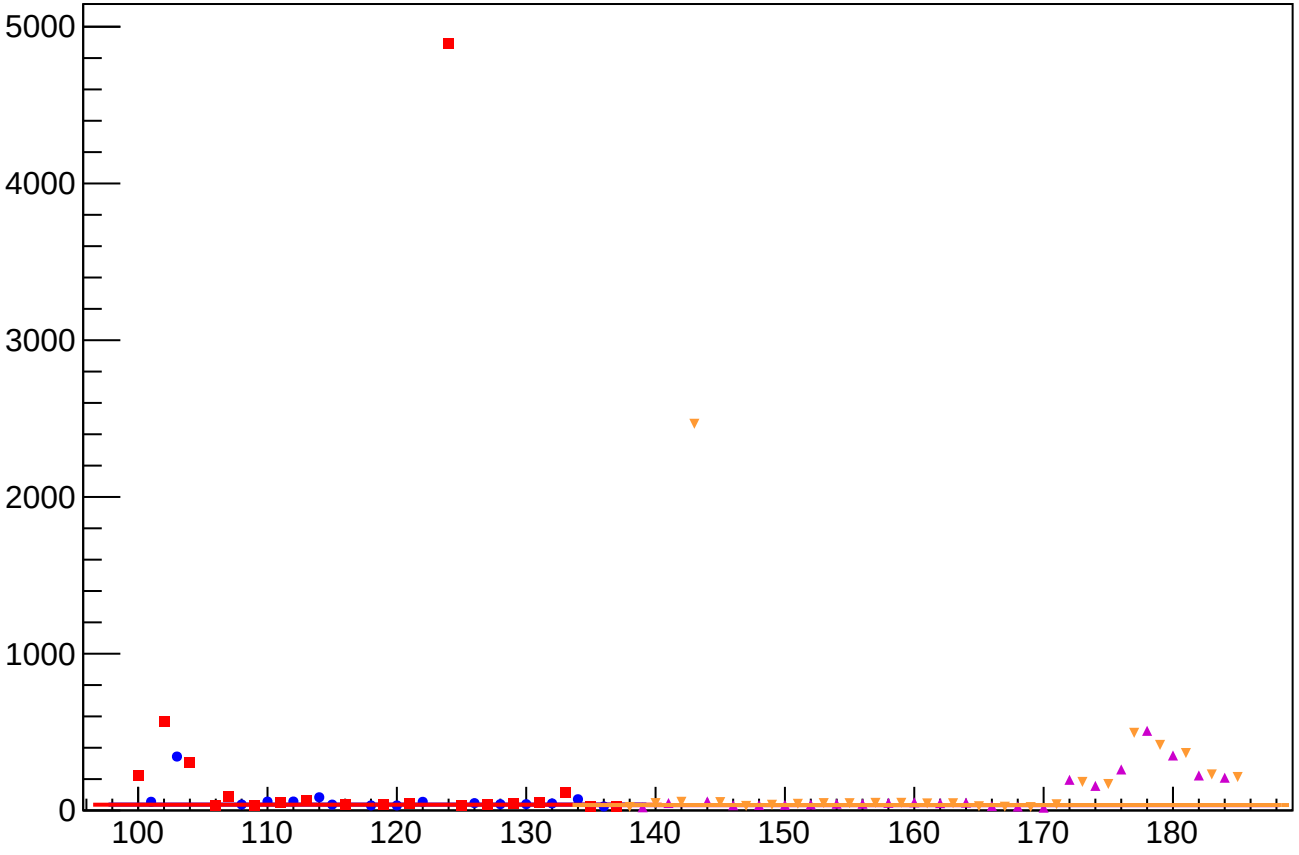
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 73.0/82

- sign 0.004+/-0.009 χ^2/NDF: 28.7/41

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

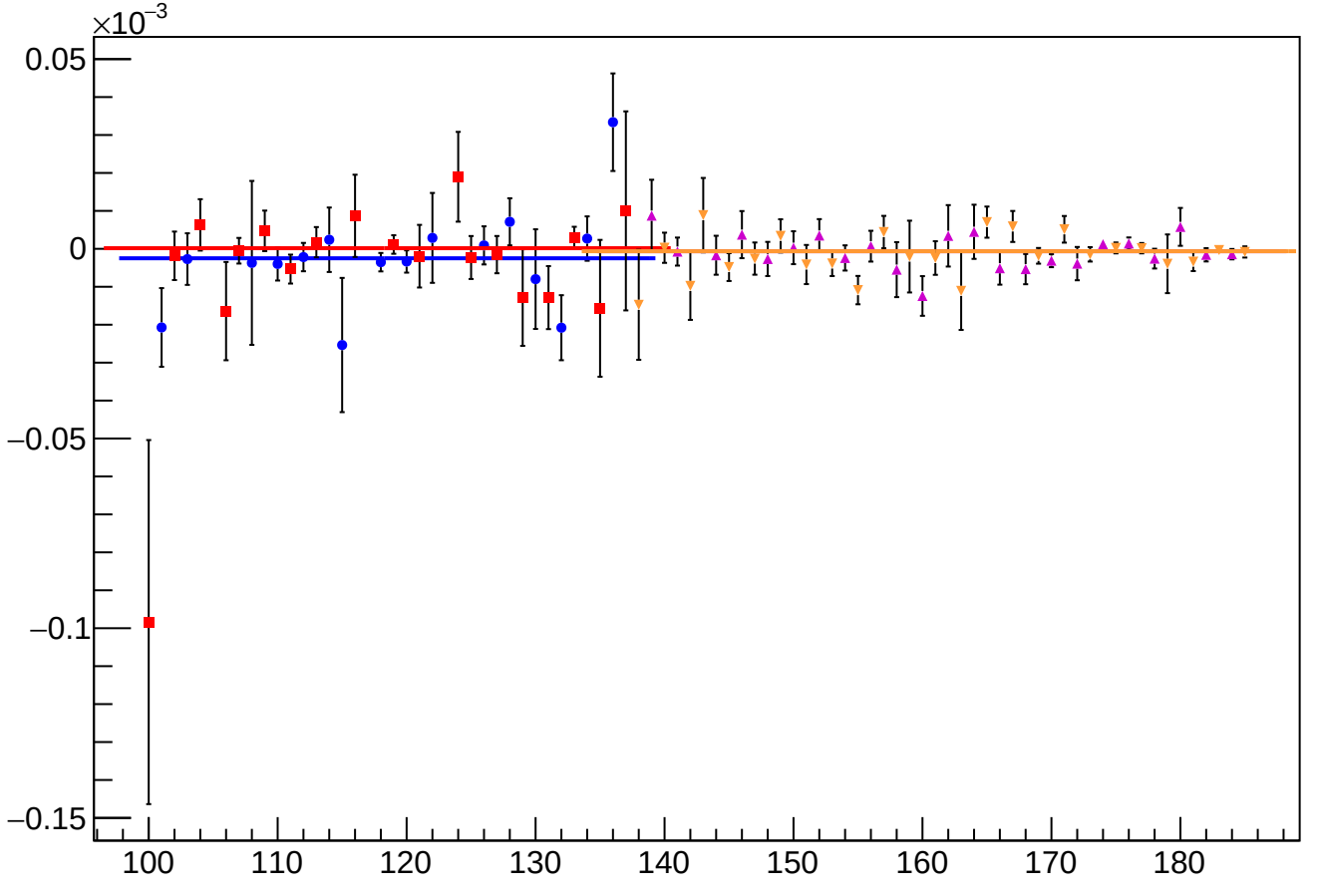
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.448+/-0.006 χ^2/NDF: 13431173.6/40

All: 34.933+/-0.004 χ^2/NDF: 26757227.8/82

\- 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:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

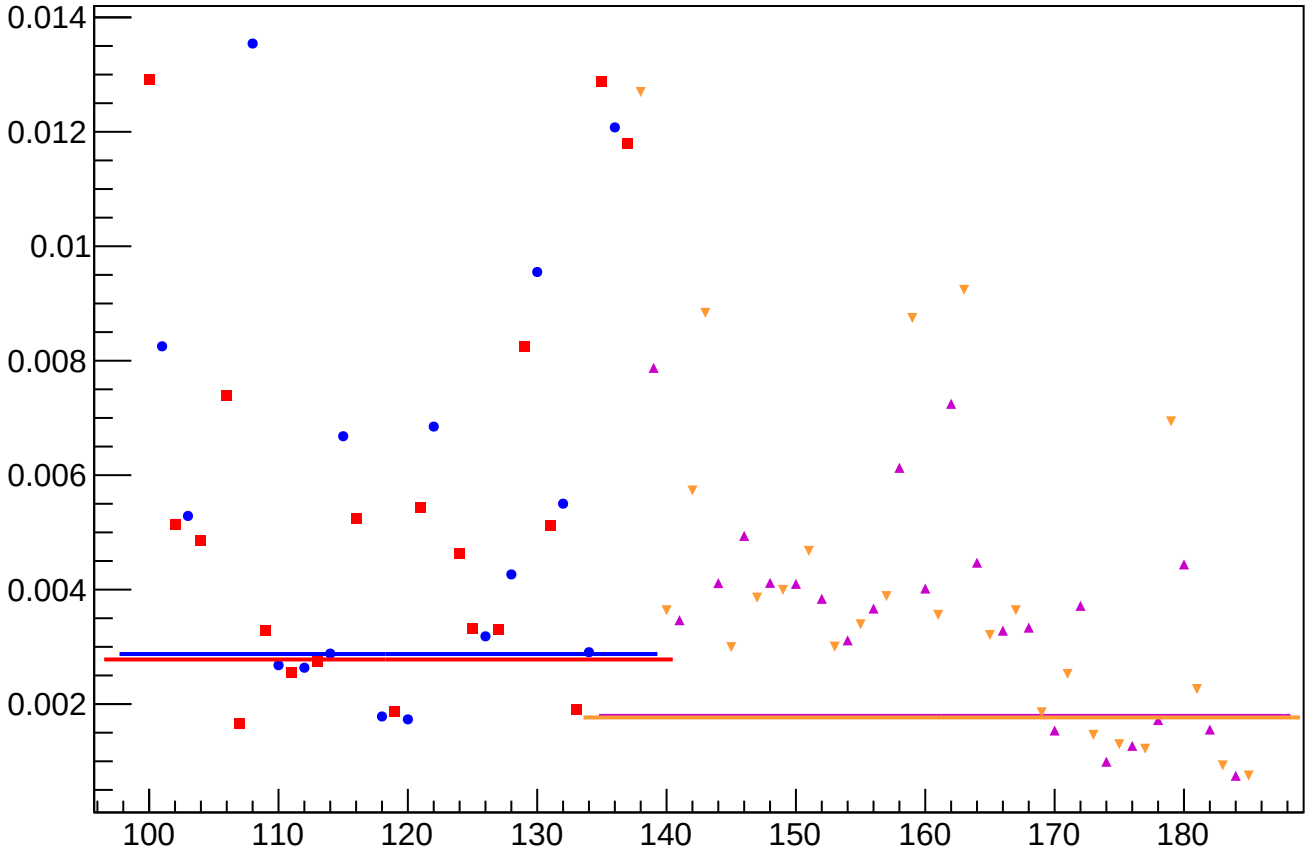
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/40

All: -0.000+/-0.000 χ^2/NDF: 93.5/82

- sign -0.000+/-0.000 χ^2/NDF: 41.2/41

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

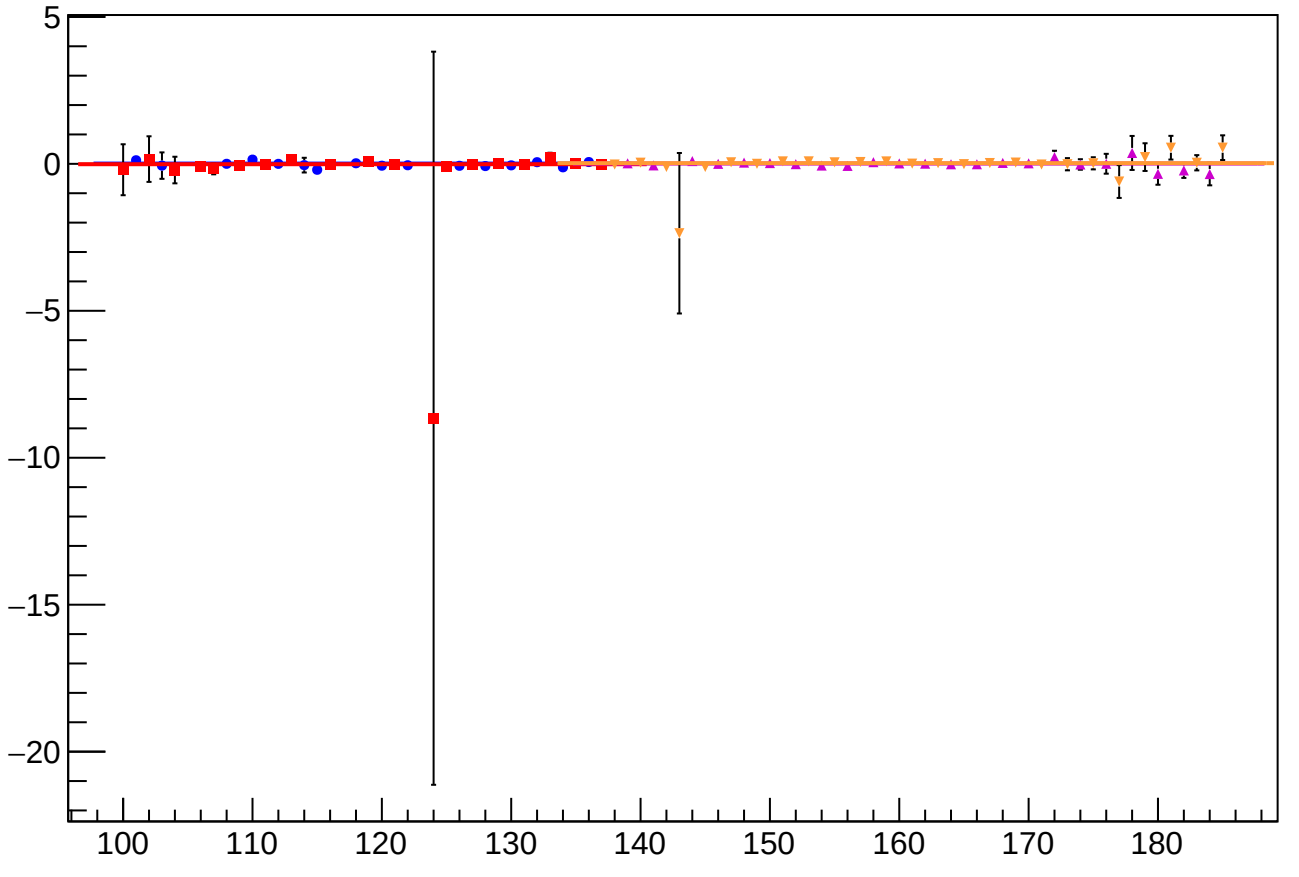
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 18328131.1/40

All: 0.002+/-0.000 χ^2/NDF: 33580790.2/82

- 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:22.8/24

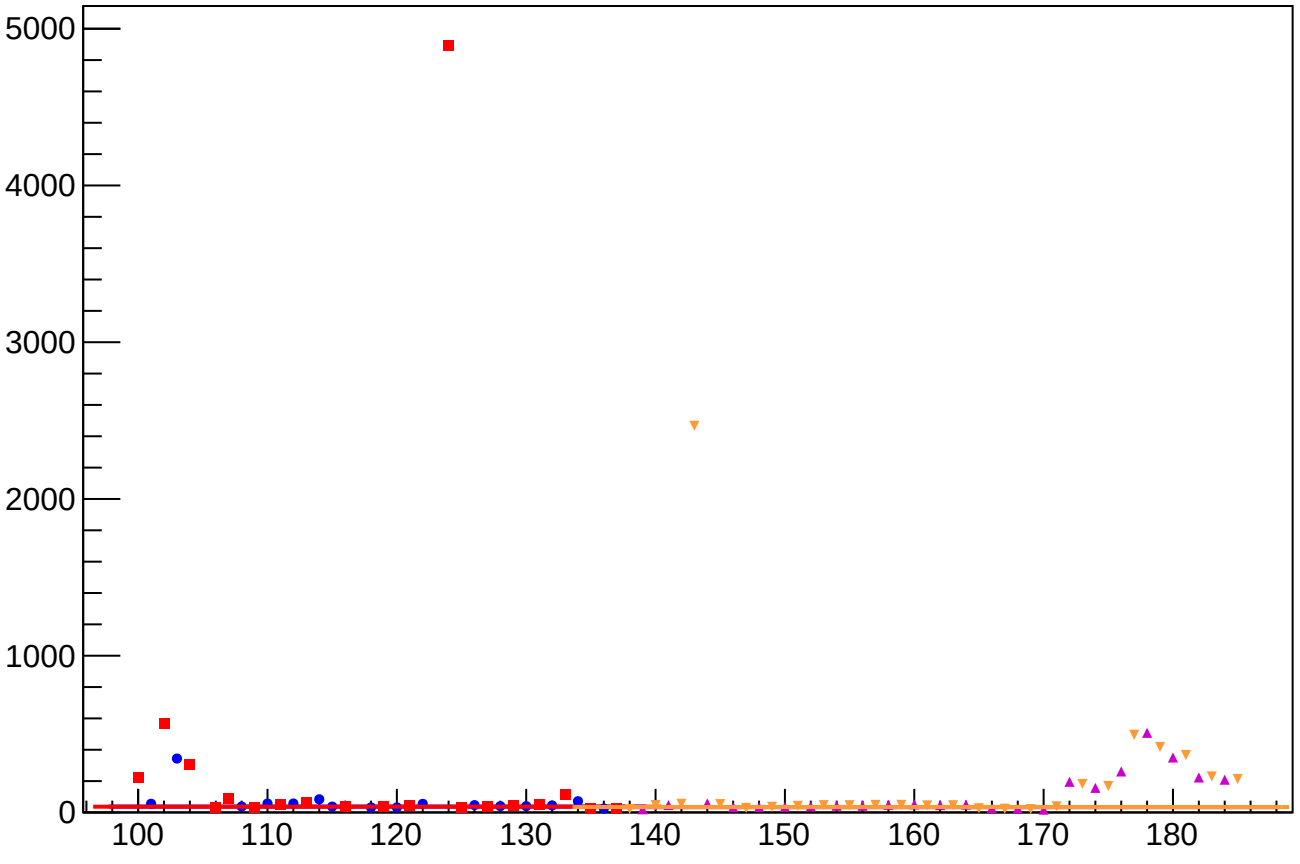
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 73.0/82

- 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: 34.623+/-0.007 χ^2/NDF:11402566.2/24

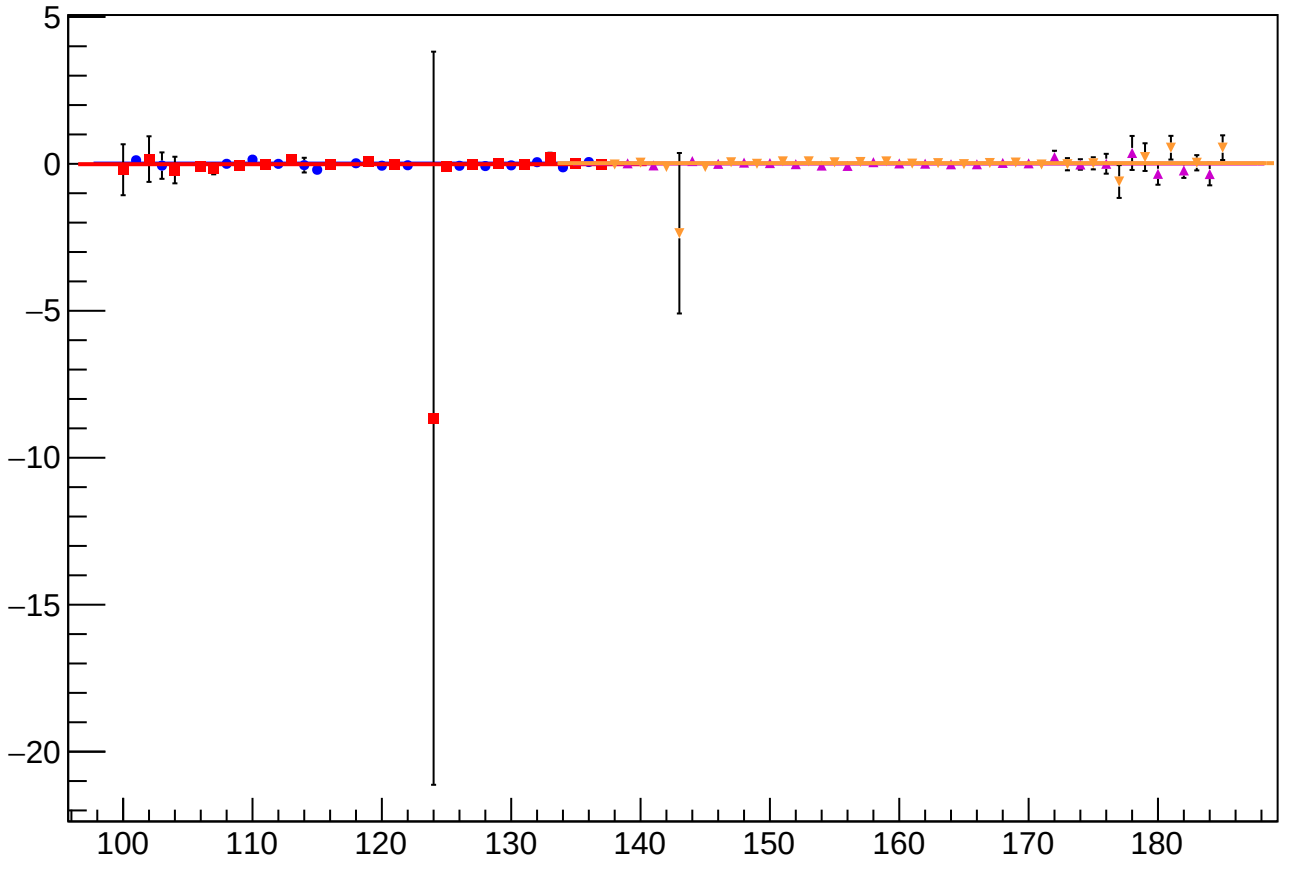
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.447+/-0.006 χ^2/NDF: 13431266.9/40

All: 34.934+/-0.004 χ^2/NDF: 26755653.4/82

\- 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:22.8/24

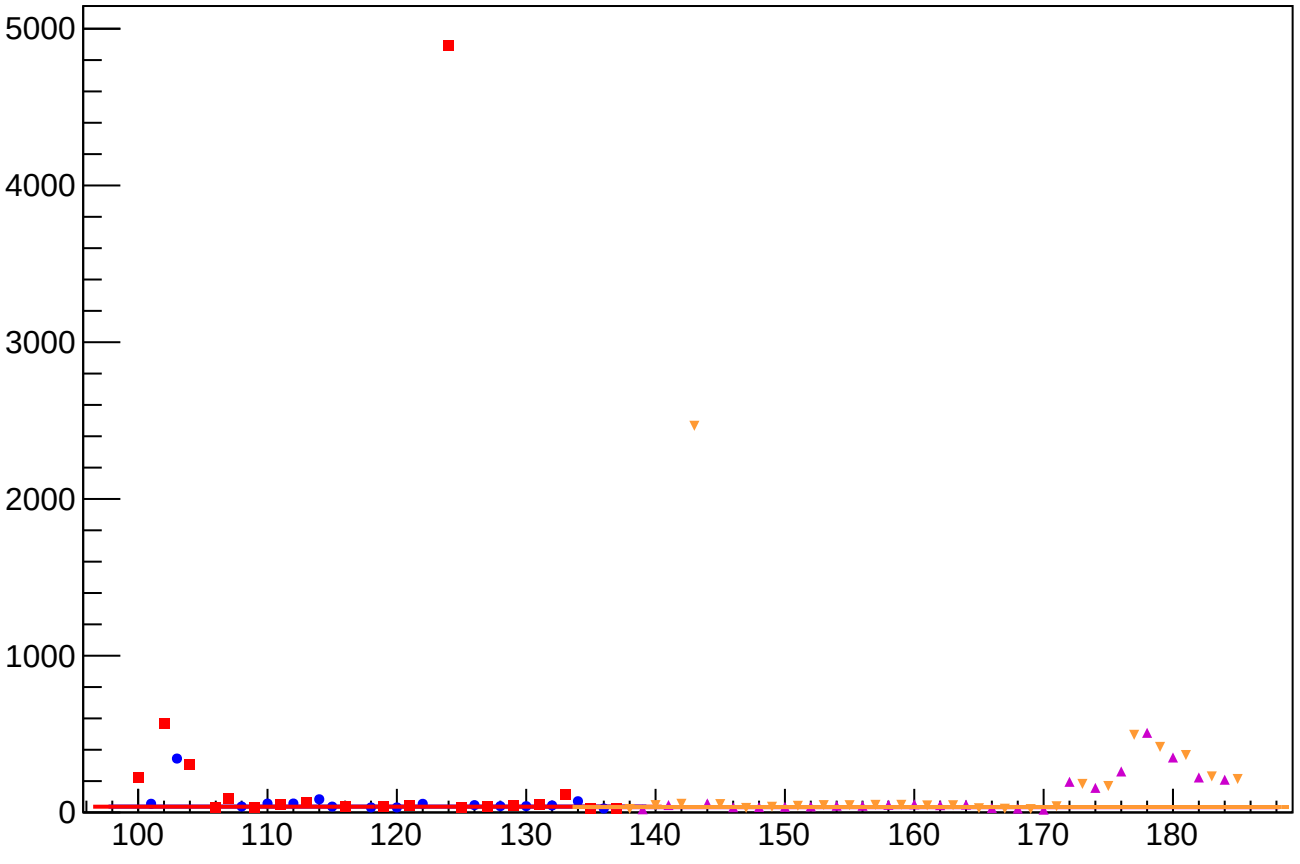
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 73.0/82

- 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: 34.623+/-0.007 χ^2/NDF:11402566.2/24

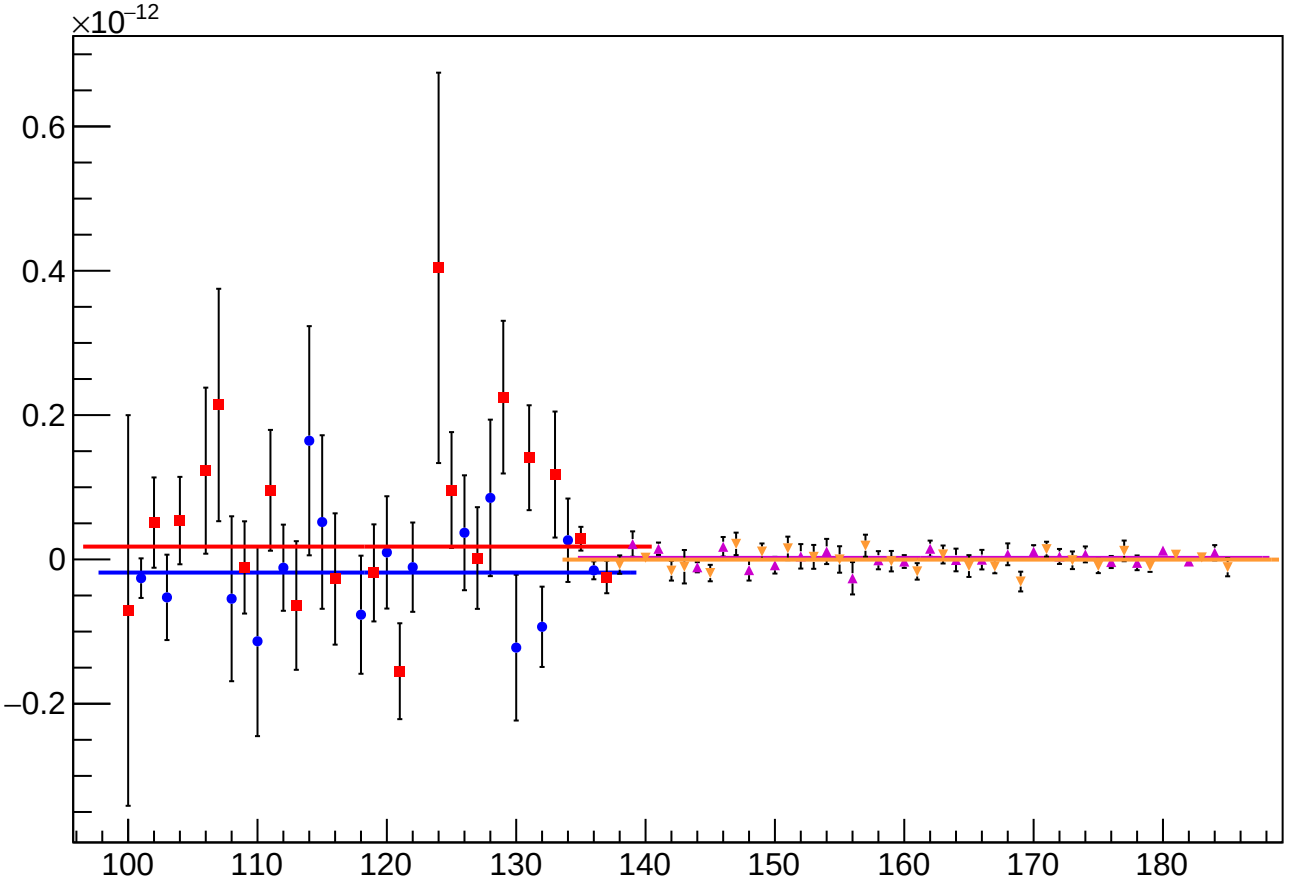
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.447+/-0.006 χ^2/NDF: 13431266.9/40

All: 34.934+/-0.004 χ^2/NDF: 26755653.4/82

\- 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:26.0/24

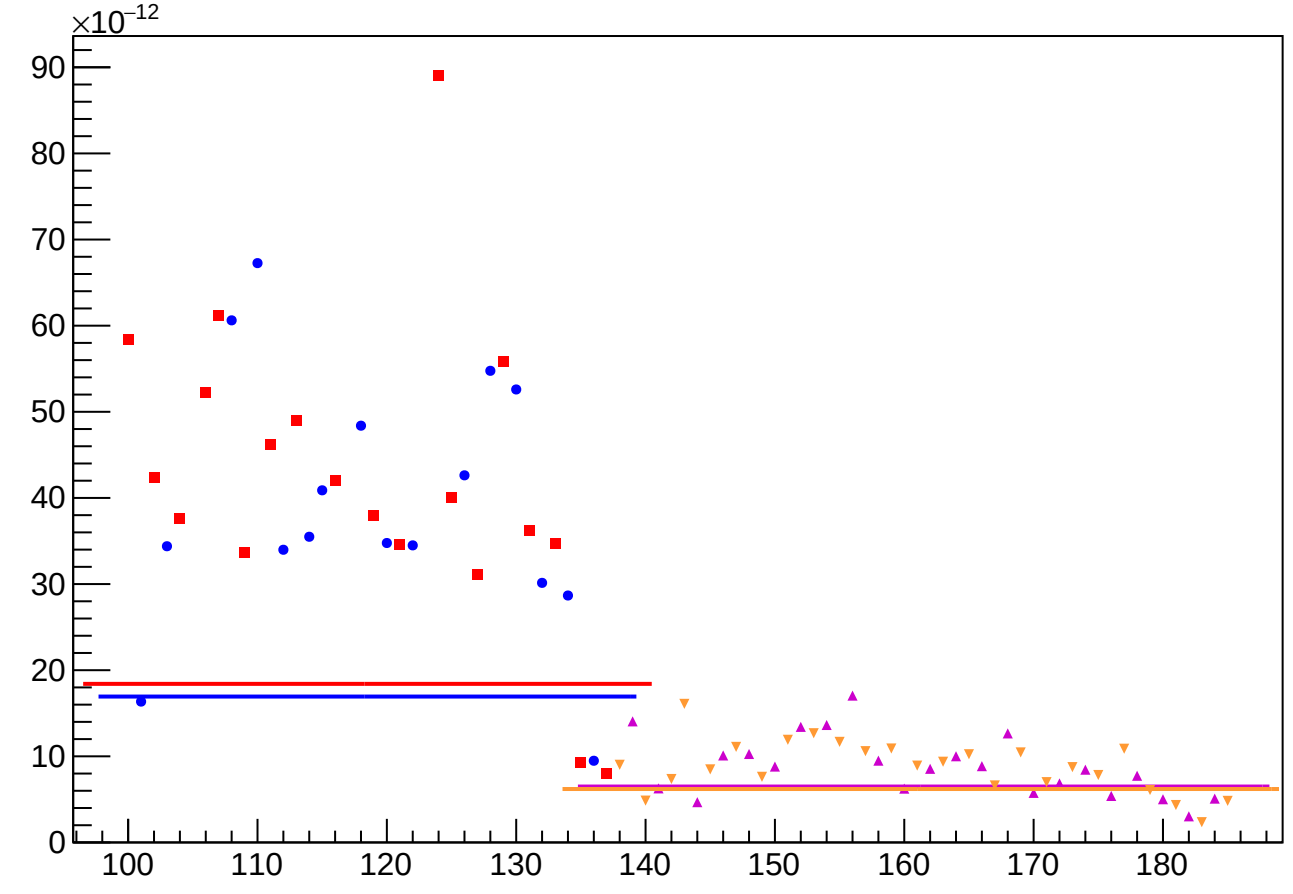
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.5/40

All: 0.000+/-0.000 χ^2/NDF: 88.3/82

- sign 0.000+/-0.000 χ^2/NDF: 49.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

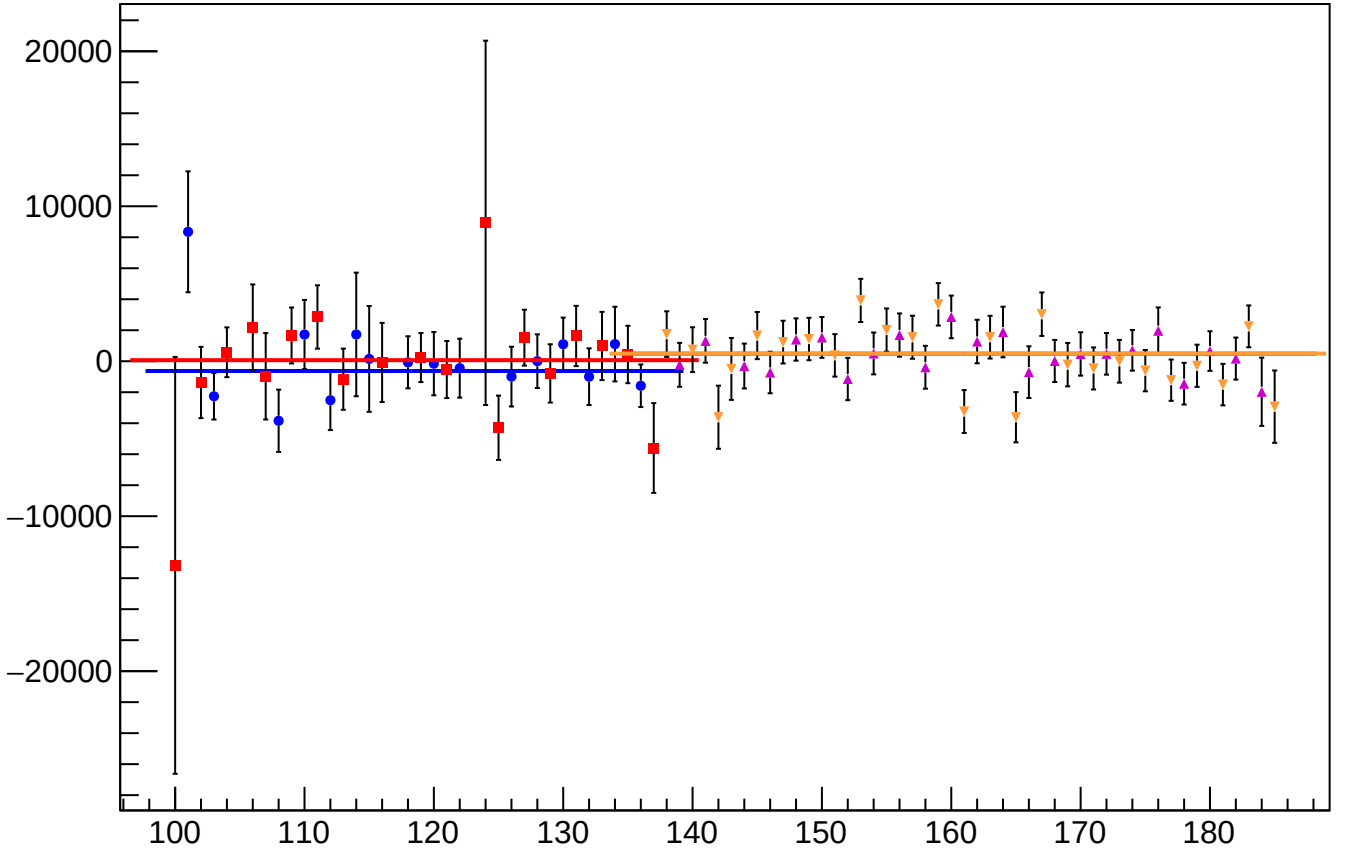
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10540548.6/40

All: 0.000+/-0.000 χ^2/NDF: 20480986.0/82

- sign 0.000+/-0.000 χ^2/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: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

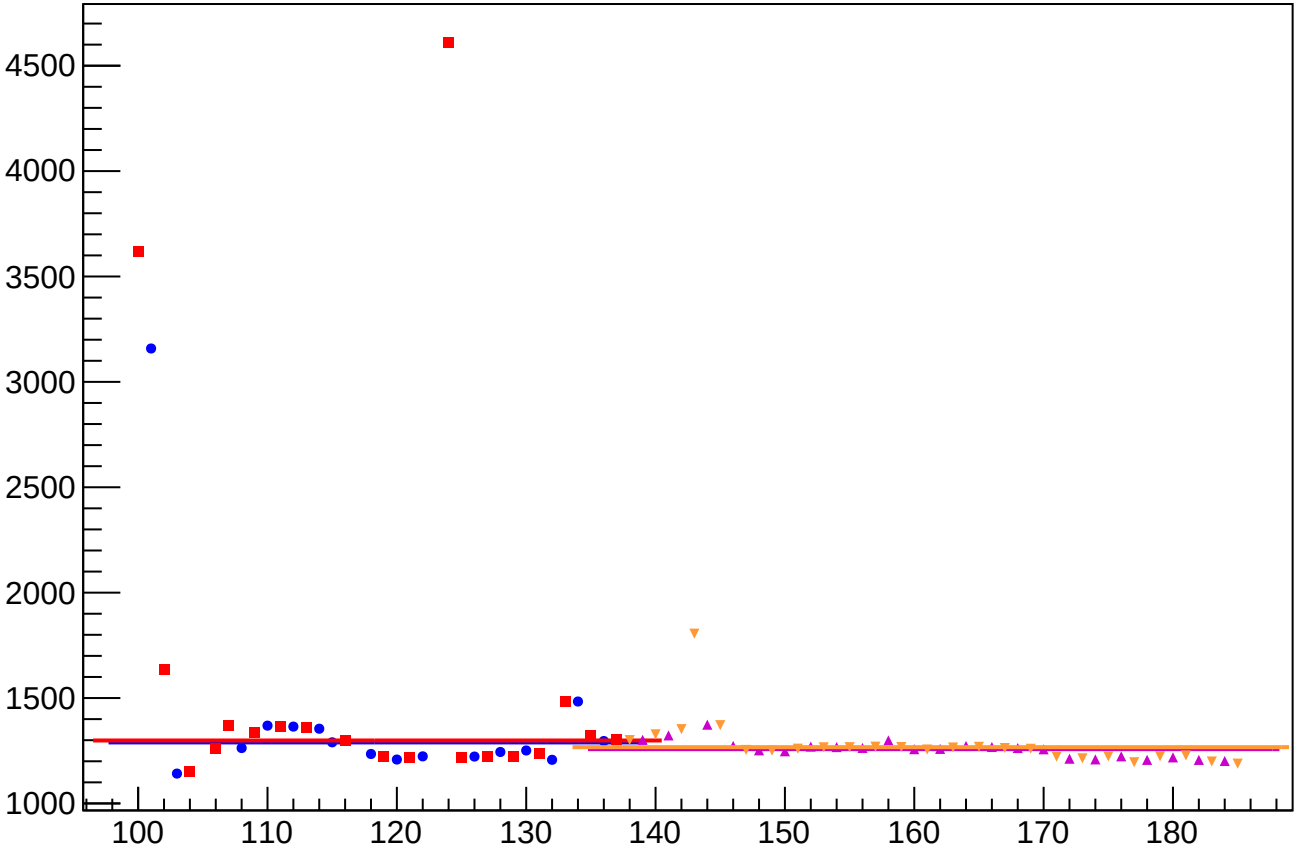
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 201.785+/-248.431 χ^2/NDF: 64.7/40

All: 287.397+/-176.795 χ^2/NDF: 95.8/82

- 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: 1266.967+/-0.204 χ^2/NDF:187545.6/24

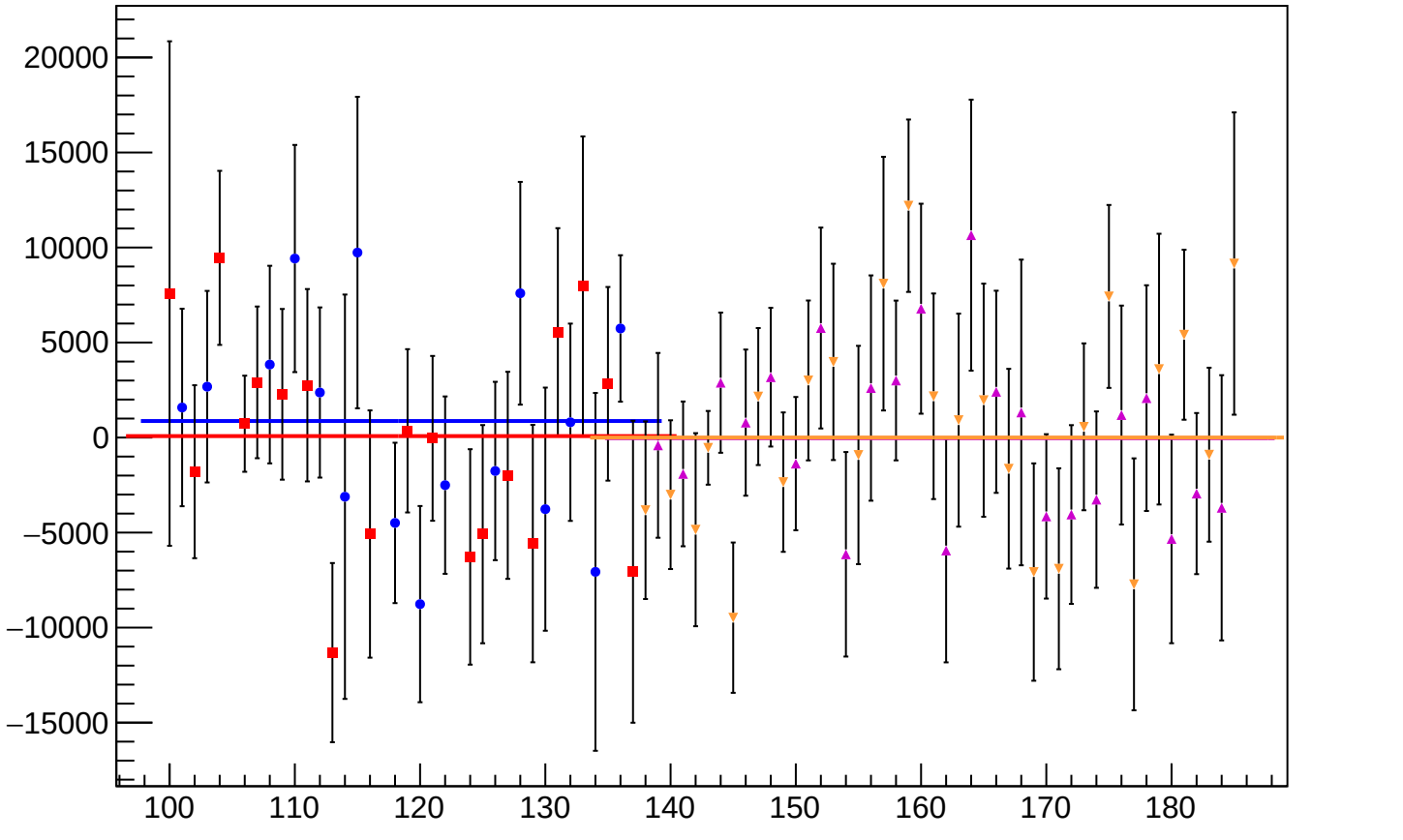
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.783+/-0.176 χ^2/NDF: 705364.5/40

All: 1270.685+/-0.125 χ^2/NDF: 1072307.3/82

- 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: -0.604+/-886.488 χ^2/NDF:29.1/24

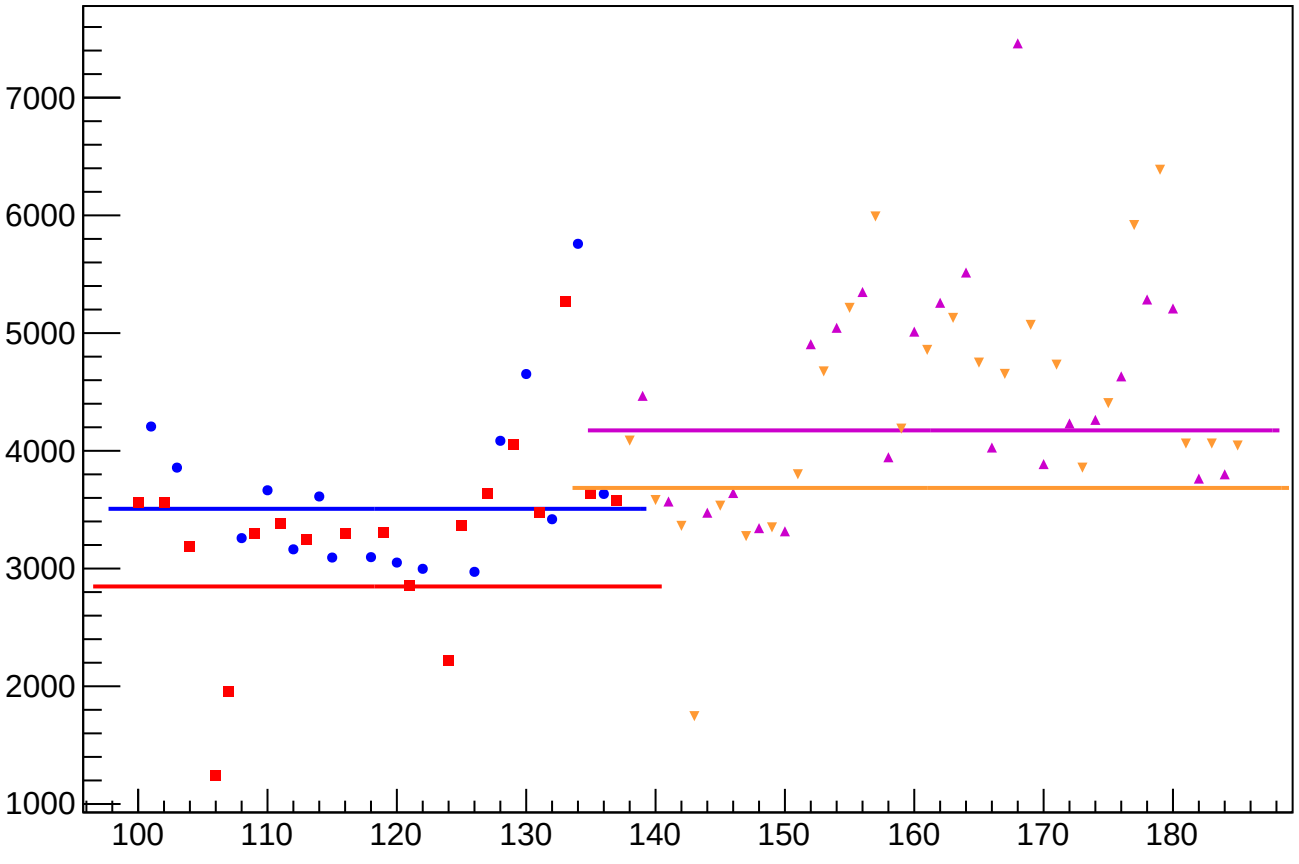
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 268.611+/-736.840 χ^2/NDF: 43.4/40

All: 143.526+/-522.618 χ^2/NDF: 75.9/82

- 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: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

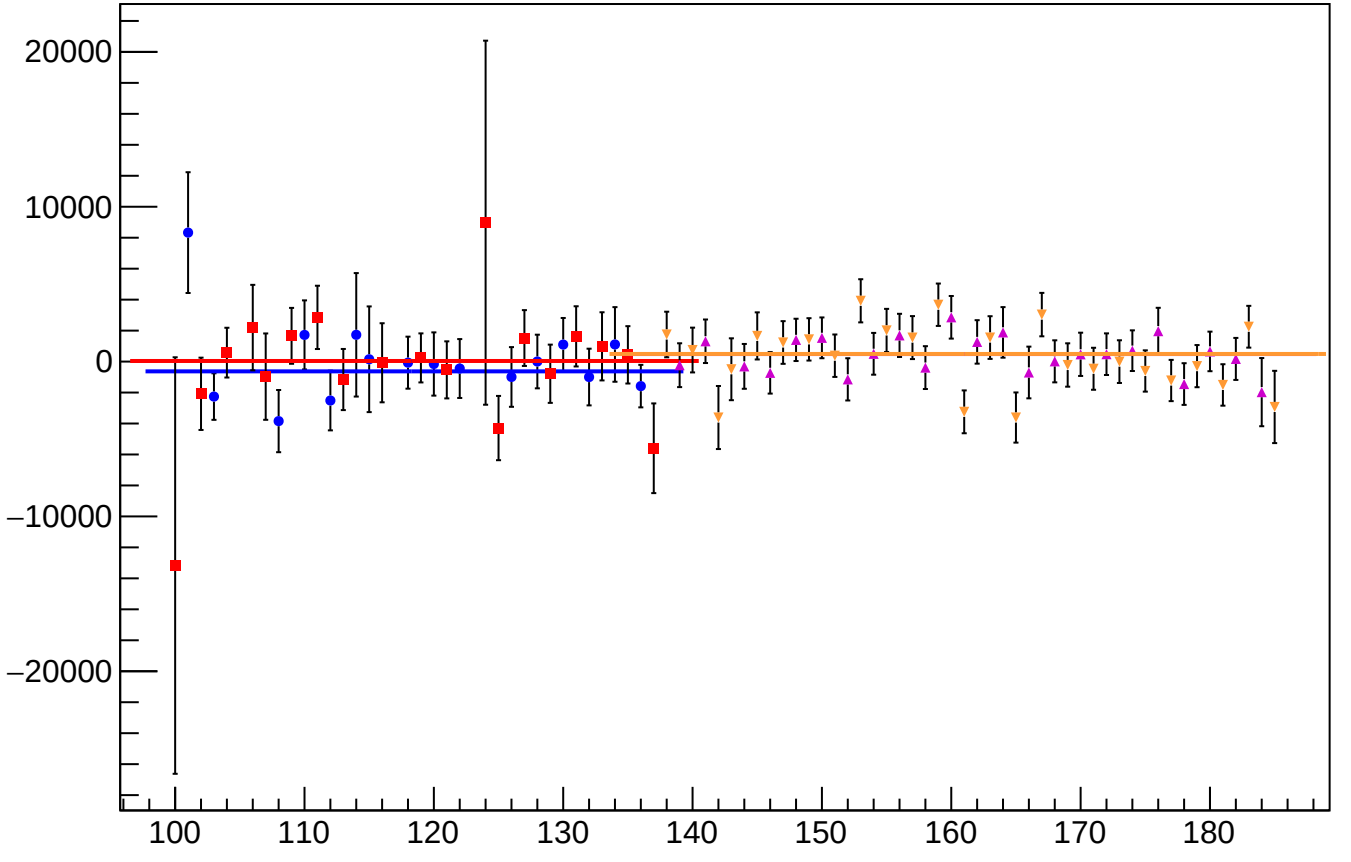
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3629.939+/-0.521 χ^2/NDF: 4072376.2/40

All: 3606.767+/-0.370 χ^2/NDF: 8430367.4/82

- 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: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

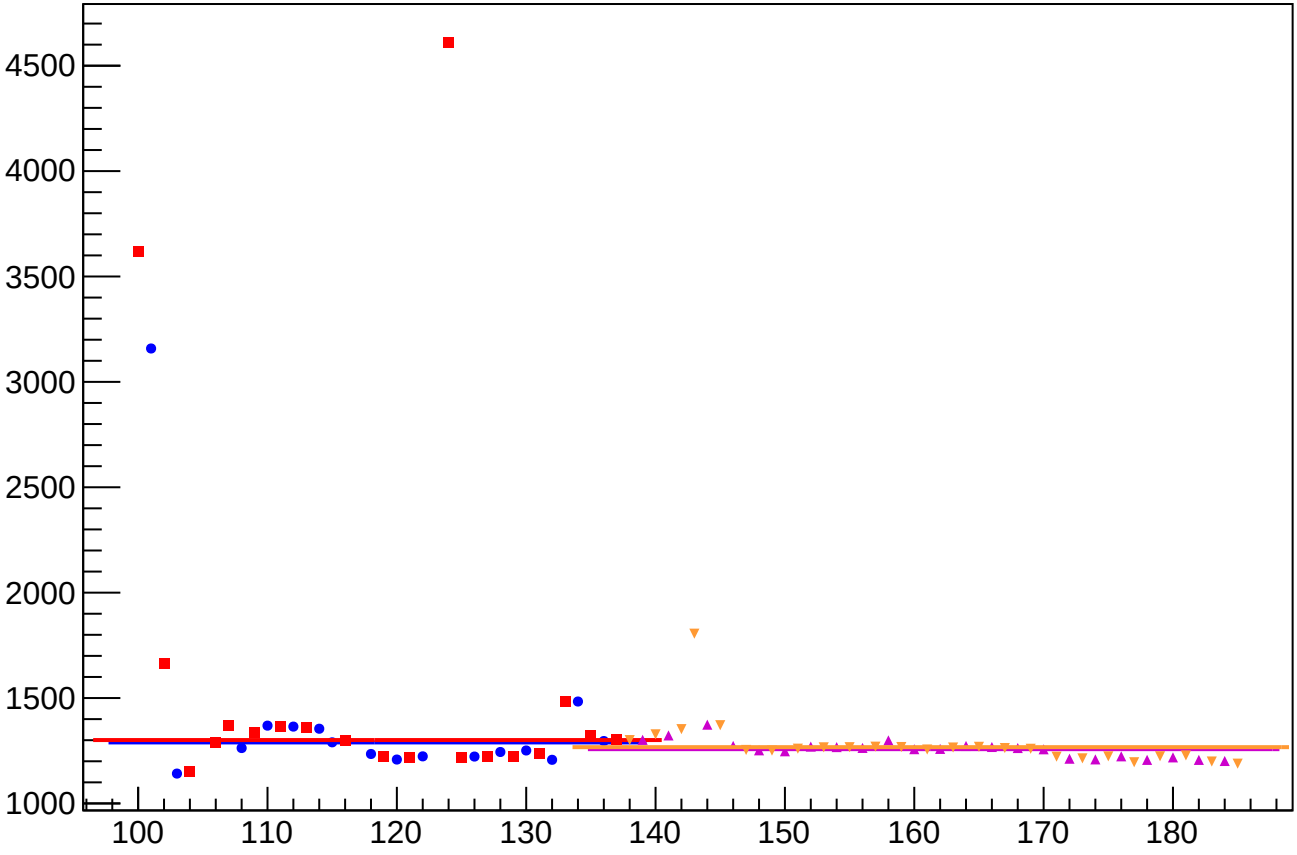
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 283.546+/-176.810 χ^2/NDF: 96.3/82

\- 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: 1266.968+/-0.204 χ^2/NDF:187545.6/24

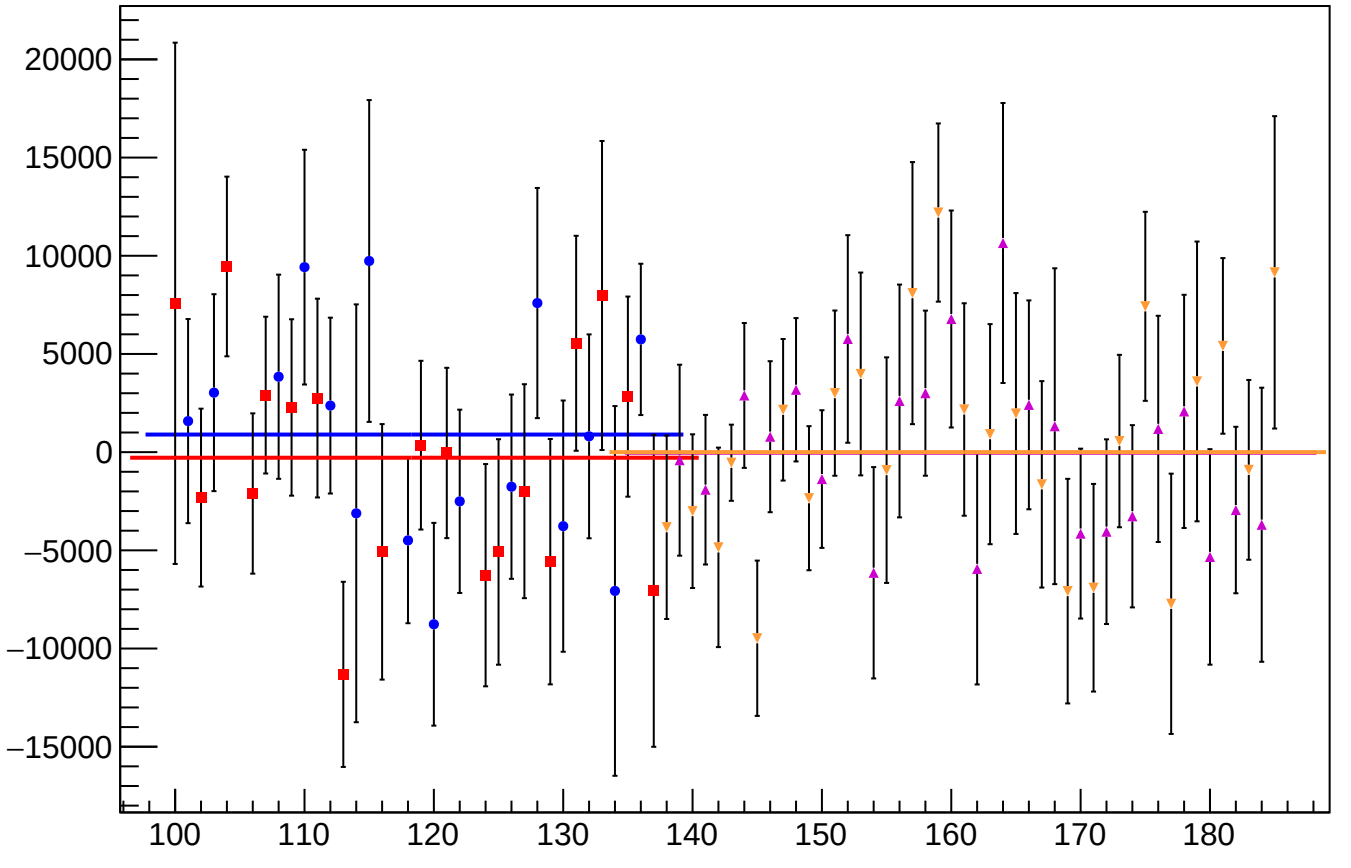
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1270.941+/-0.125 χ^2/NDF: 1079809.2/82

- 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: -0.541+/-886.487 χ^2/NDF:29.1/24

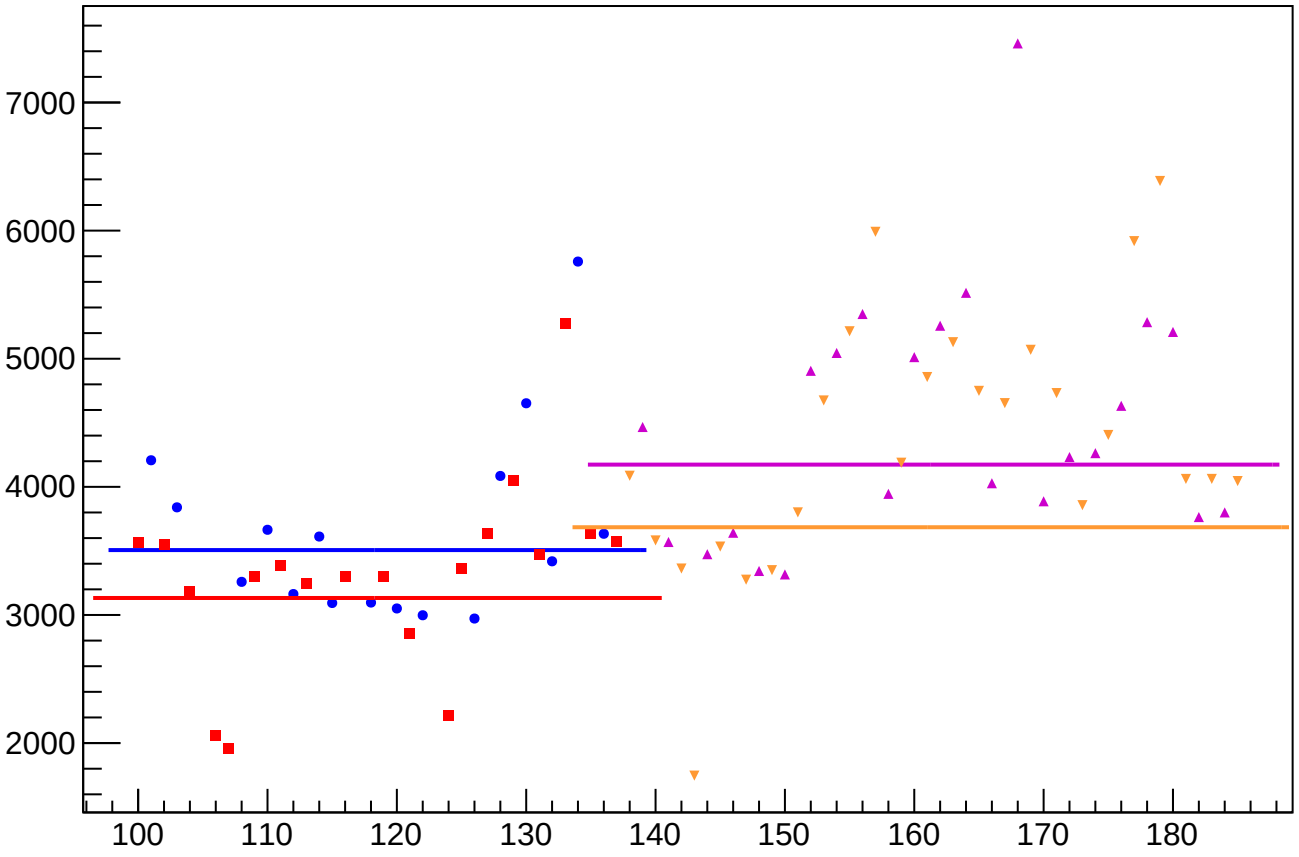
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 276.737+/-736.761 χ^2/NDF: 43.5/40

All: 77.140+/-529.556 χ^2/NDF: 76.3/82

- 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: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

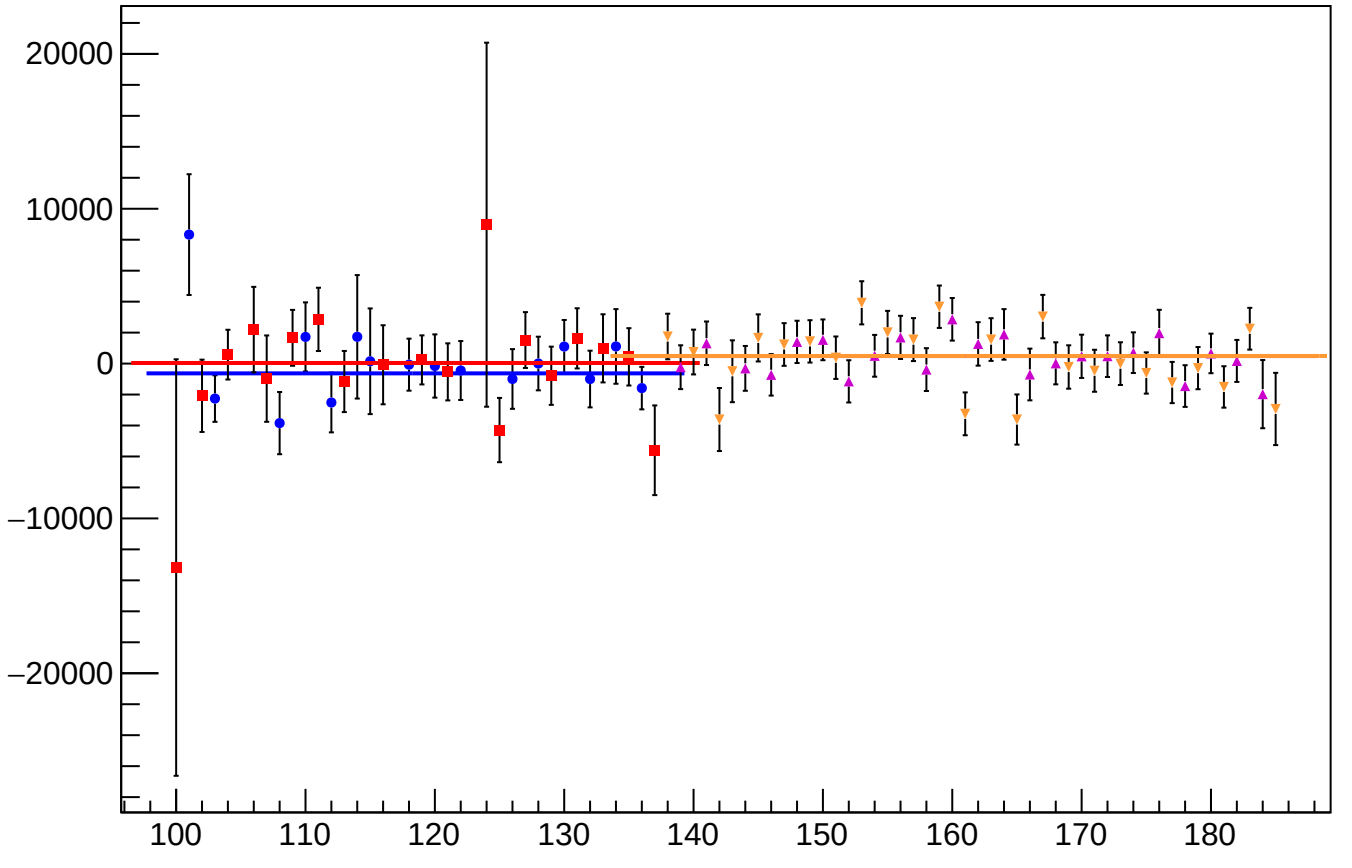
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3684.020+/-0.374 χ^2/NDF: 6925623.0/82

- 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: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

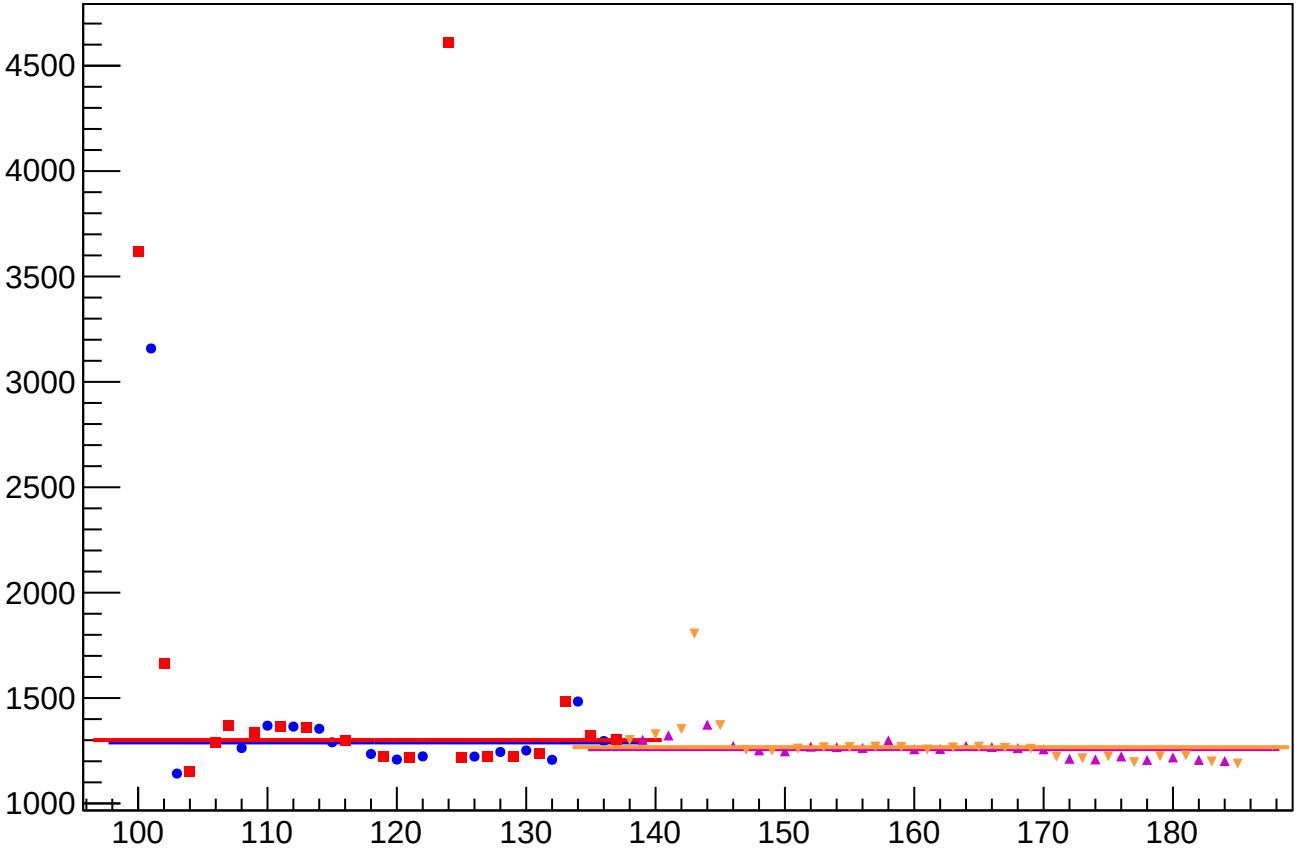
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 283.546+/-176.810 χ^2/NDF: 96.3/82

- 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: 1266.968+/-0.204 χ^2/NDF:187545.6/24

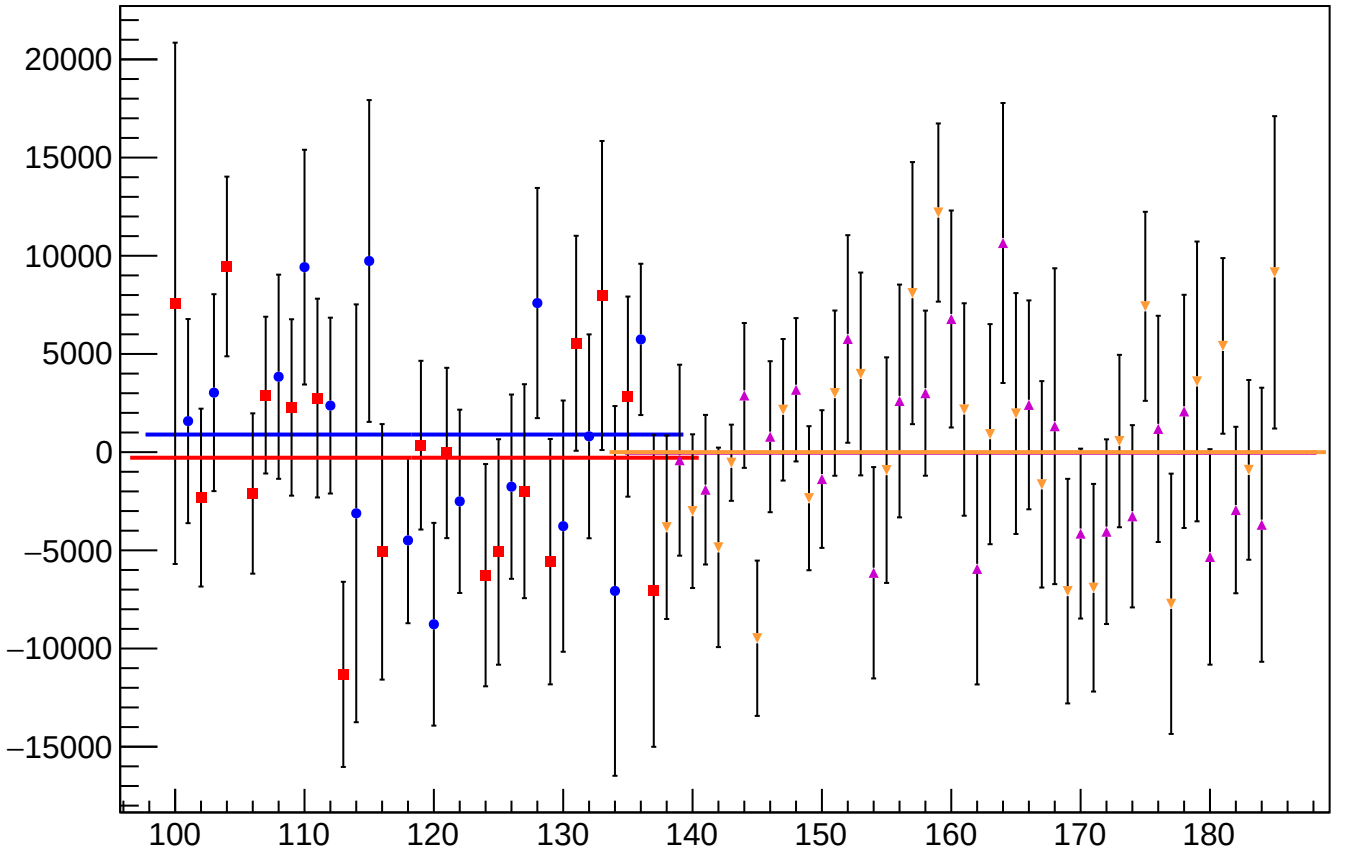
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1270.941+/-0.125 χ^2/NDF: 1079809.2/82

- 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: -0.541+/-886.487 χ^2/NDF:29.1/24

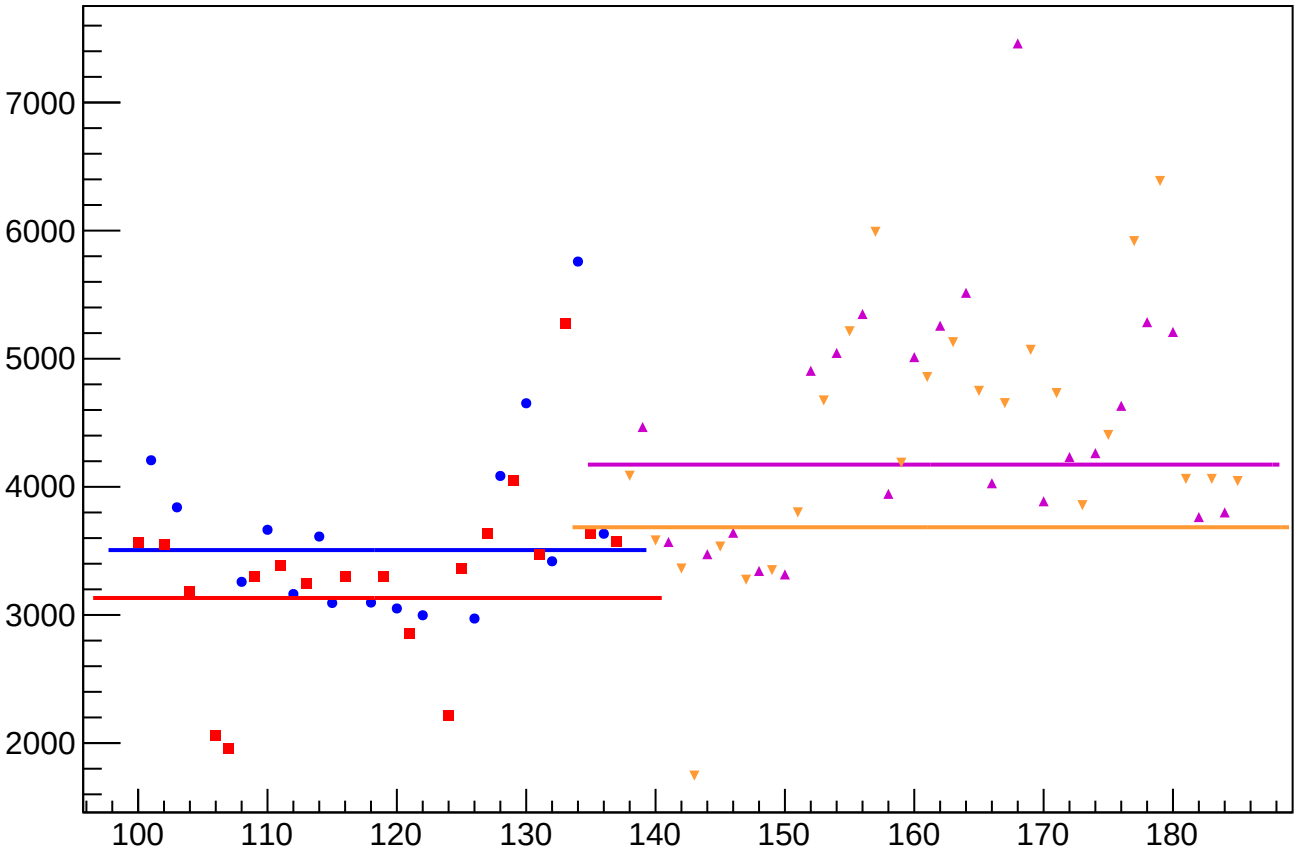
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 276.737+/-736.761 χ^2/NDF: 43.5/40

All: 77.140+/-529.556 χ^2/NDF: 76.3/82

- 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: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

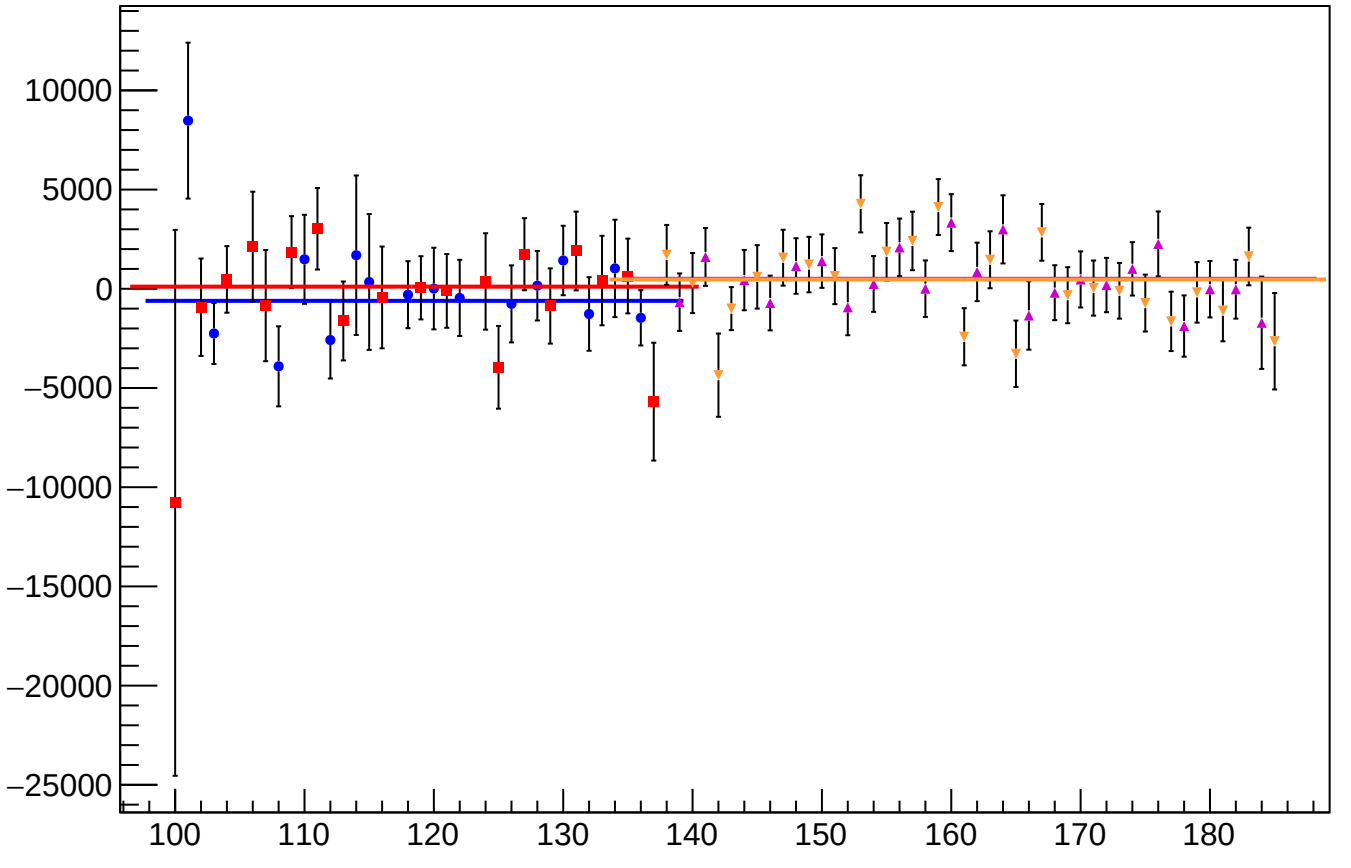
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3684.020+/-0.374 χ^2/NDF: 6925623.0/82

- 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: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

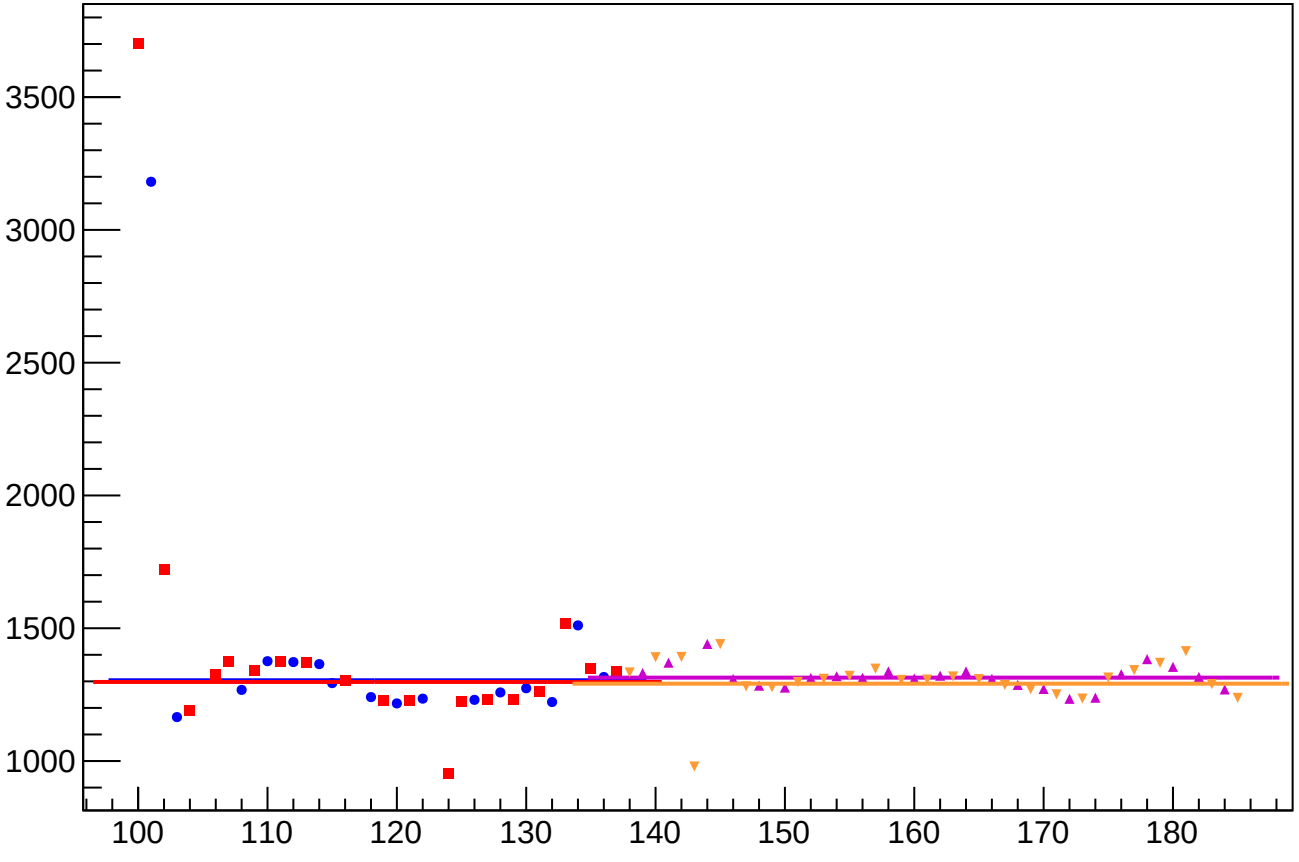
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 186.350+/-252.830 χ^2/NDF: 61.7/40

All: 285.876+/-181.096 χ^2/NDF: 94.8/82

\- 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: 1291.211+/-0.208 χ^2/NDF:230735.1/24

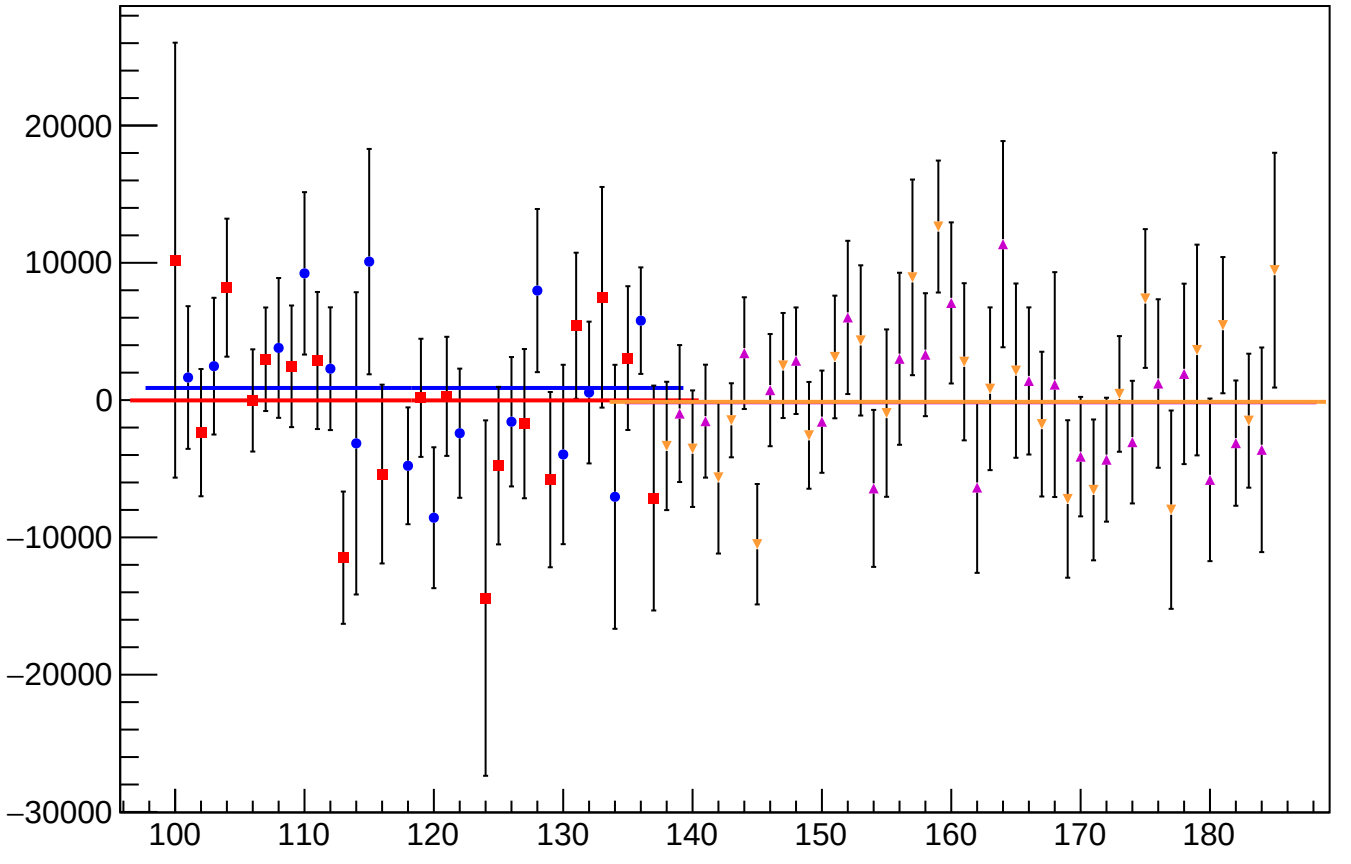
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.585+/-0.179 χ^2/NDF: 742329.3/40

All: 1301.786+/-0.128 χ^2/NDF: 1003396.1/82

- 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: -127.273+/-977.231 χ^2/NDF:28.6/24

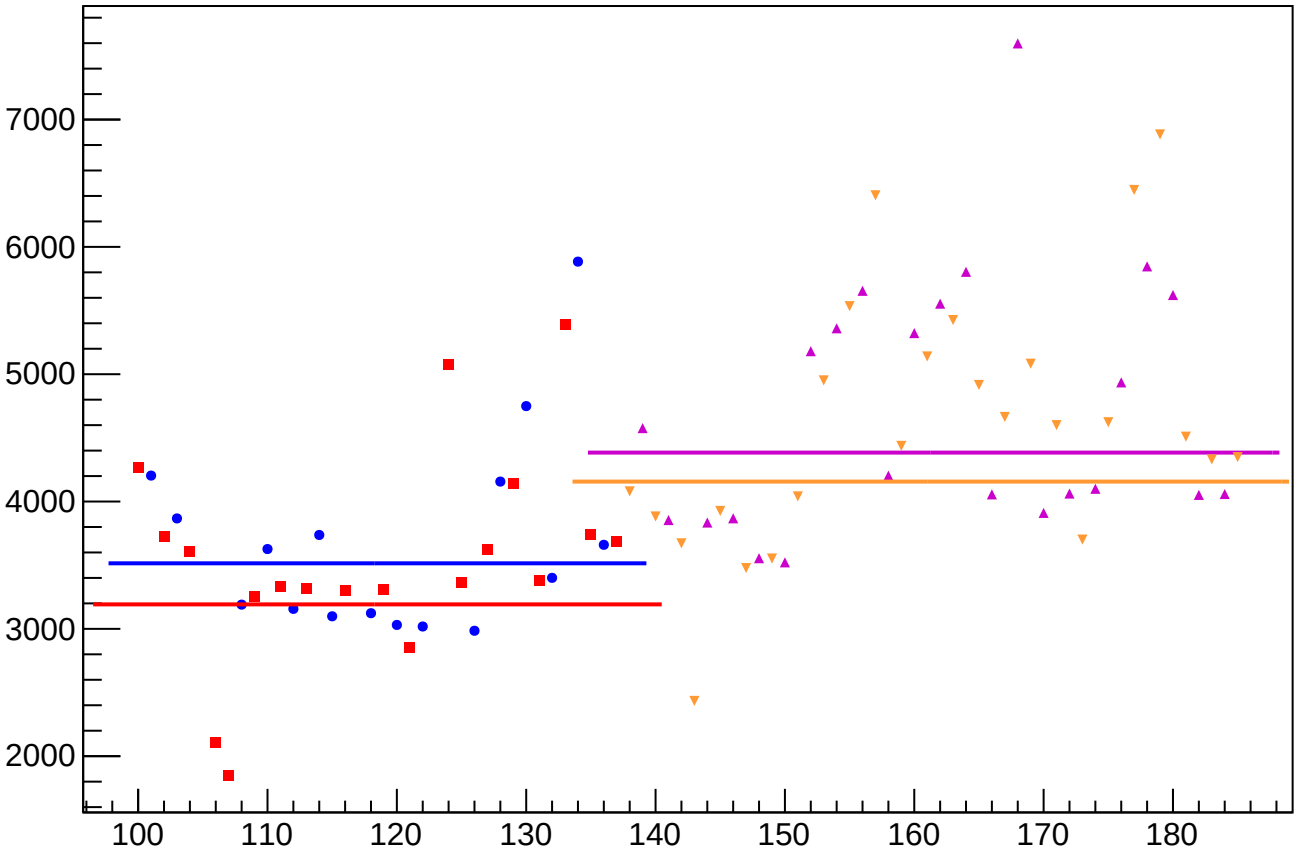
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: 64.589+/-556.937 χ^2/NDF: 73.8/82

- 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: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

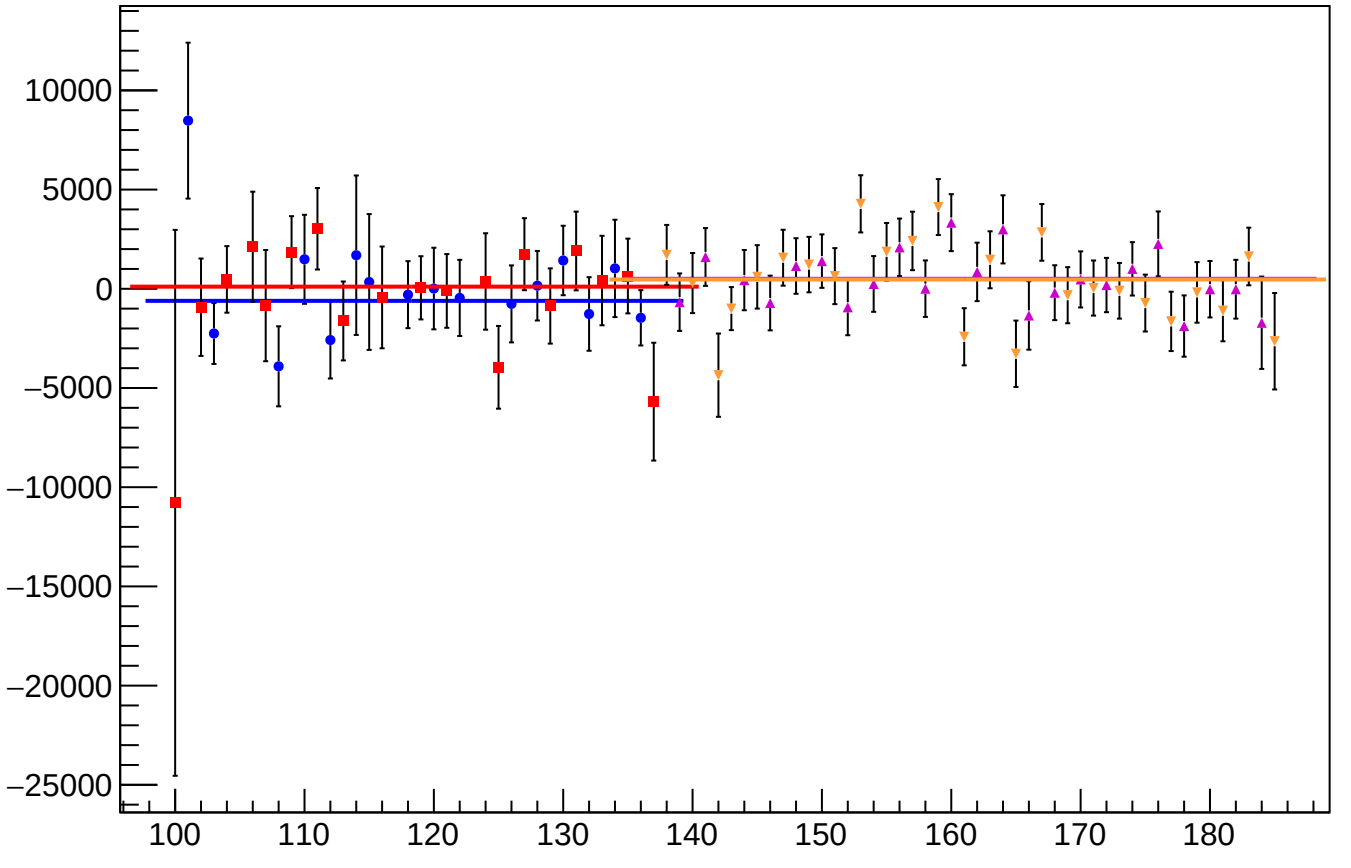
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759089.8/40

All: 3900.494+/-0.394 χ^2/NDF: 5915121.8/82

- 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: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

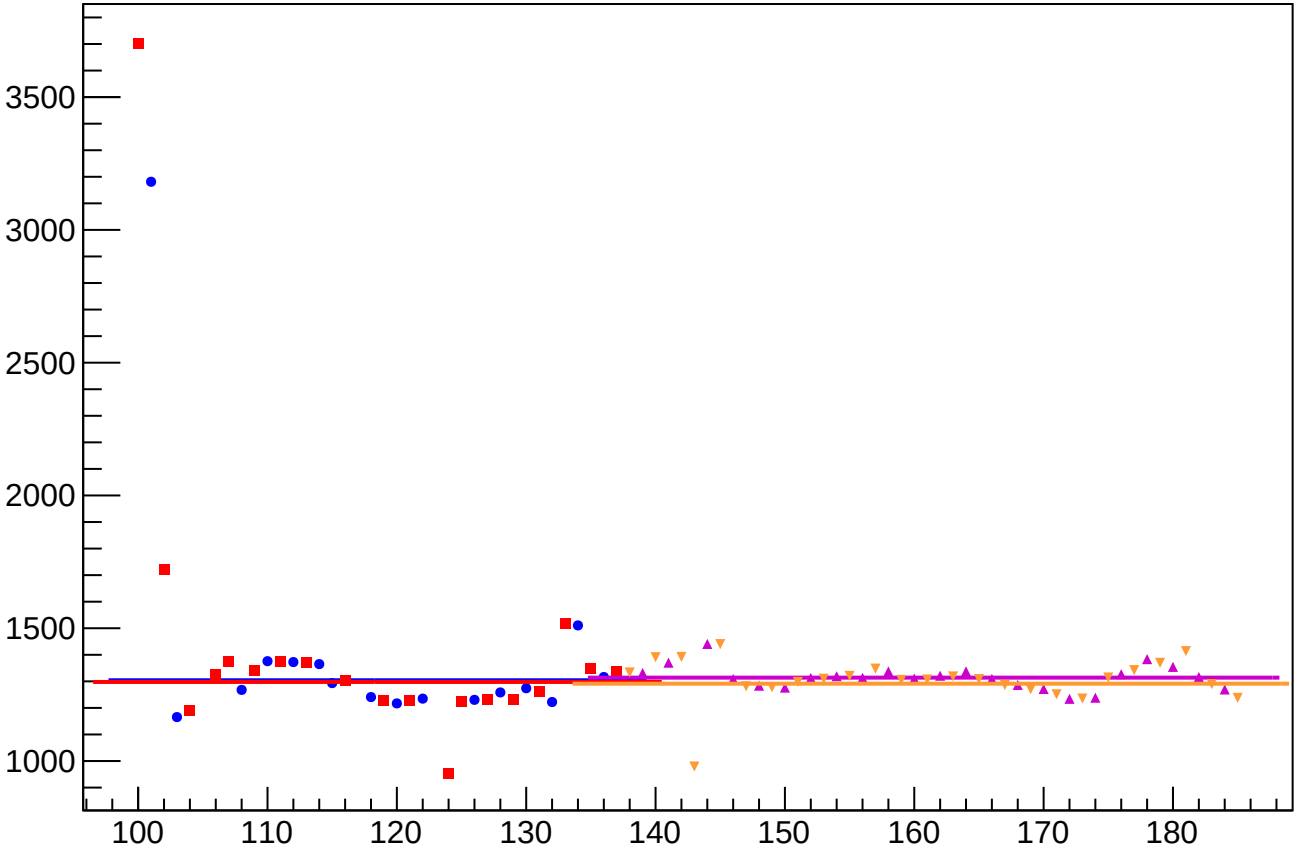
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 186.352+/-252.830 χ^2/NDF: 61.7/40

All: 285.877+/-181.096 χ^2/NDF: 94.8/82

- sign 390.737+/-259.518 χ^2/NDF: 32.8/41

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

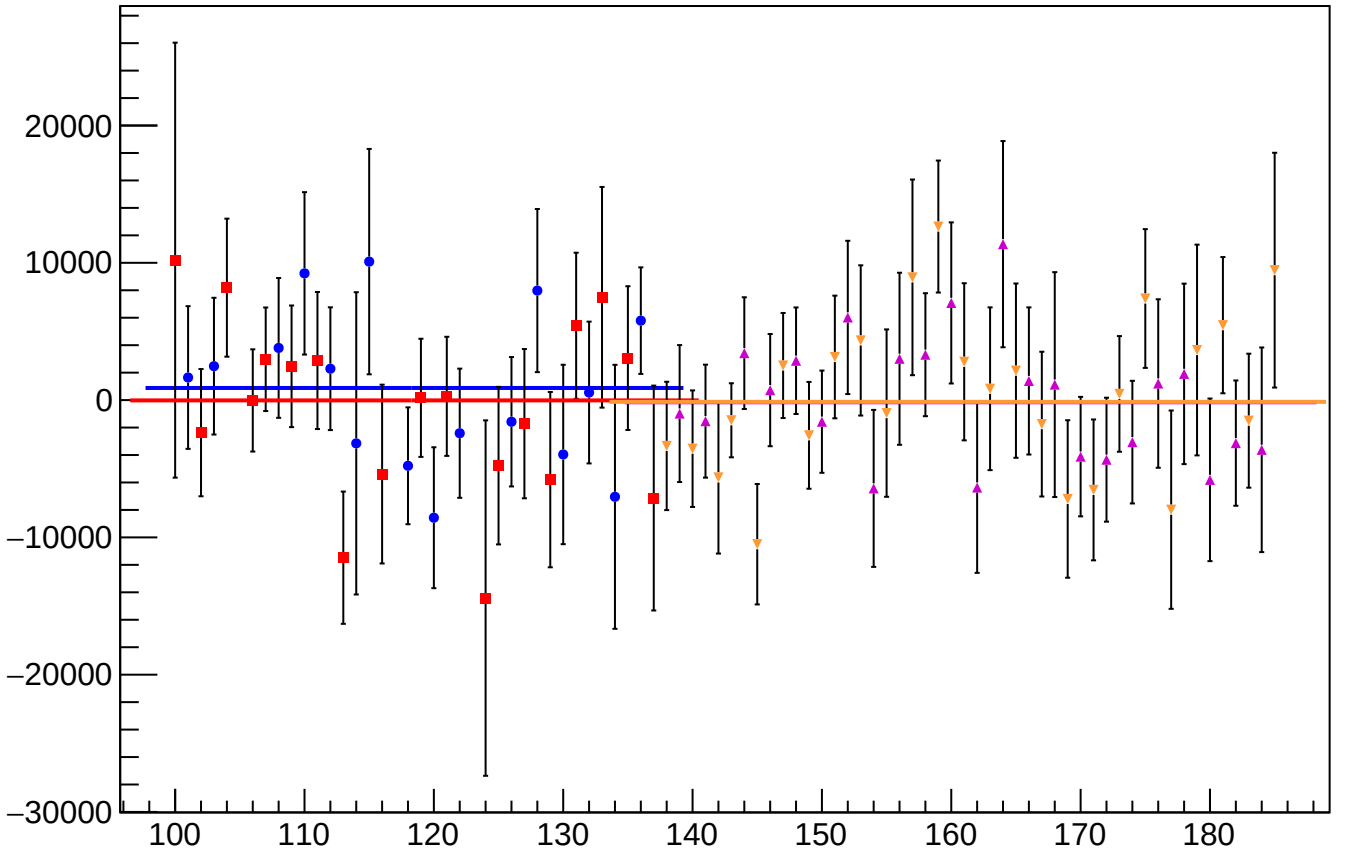
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.586+/-0.179 χ^2/NDF: 742331.8/40

All: 1301.787+/-0.128 χ^2/NDF: 1003401.0/82

- 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: -127.271+/-977.232 χ^2/NDF:28.6/24

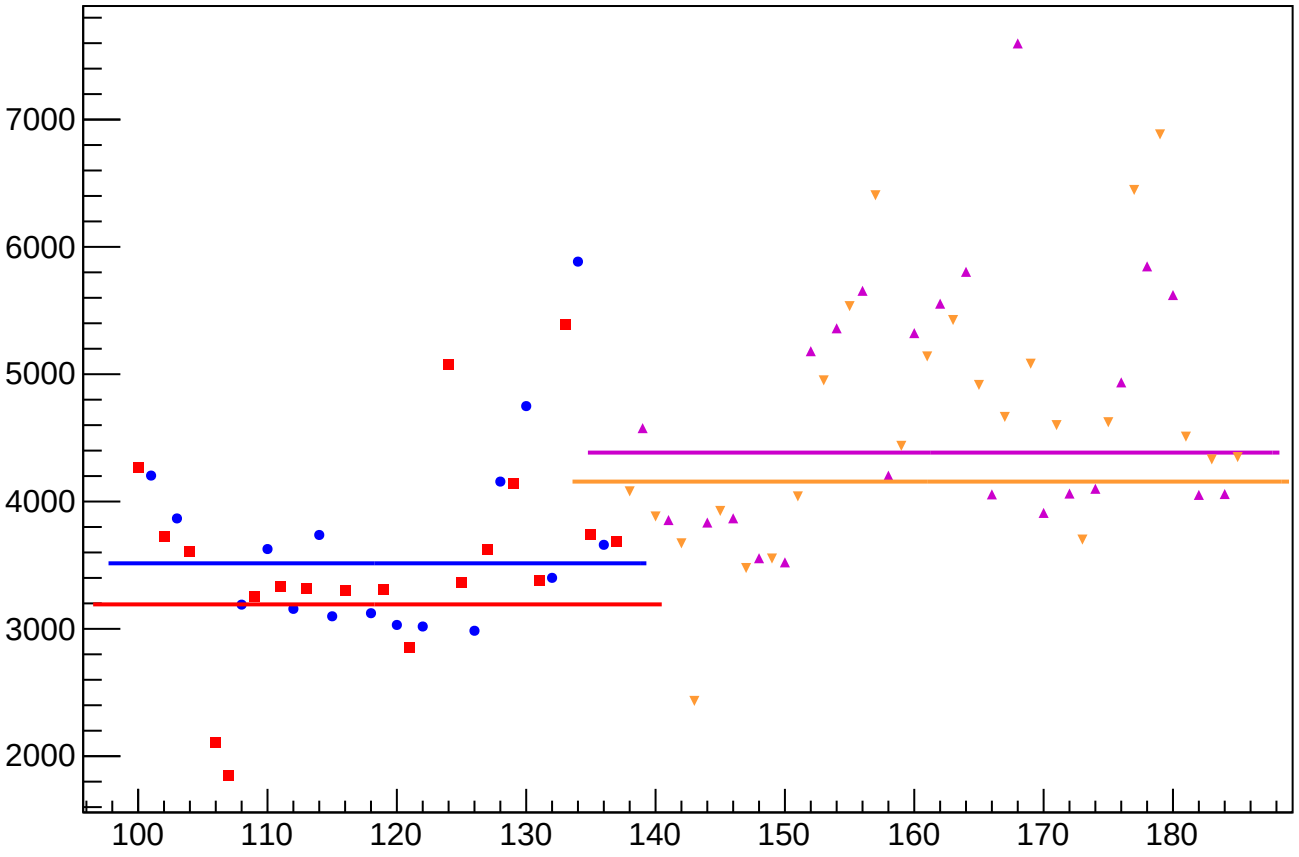
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: 64.589+/-556.937 χ^2/NDF: 73.8/82

- 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: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

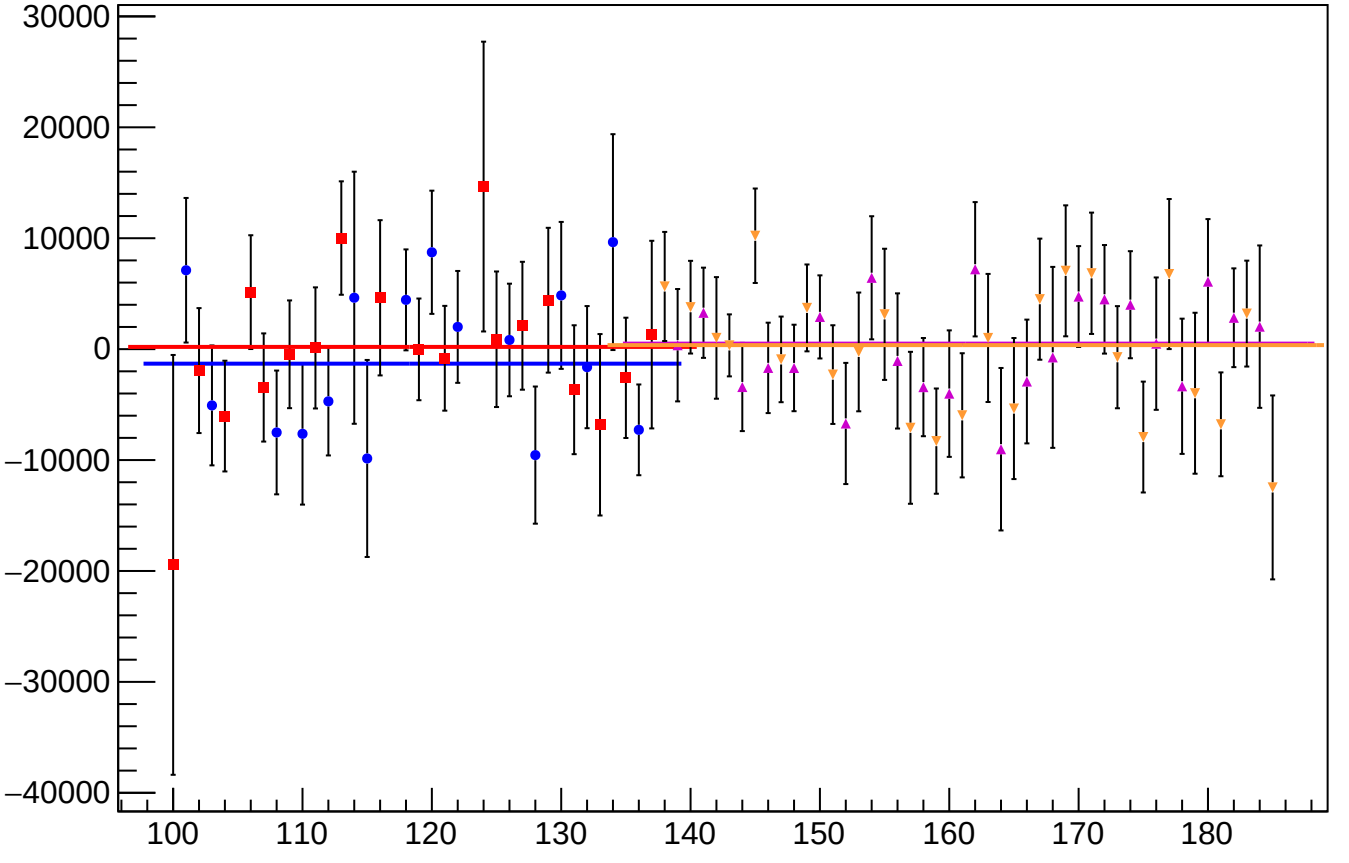
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759112.2/40

All: 3900.493+/-0.394 χ^2/NDF: 5915179.8/82

- 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: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

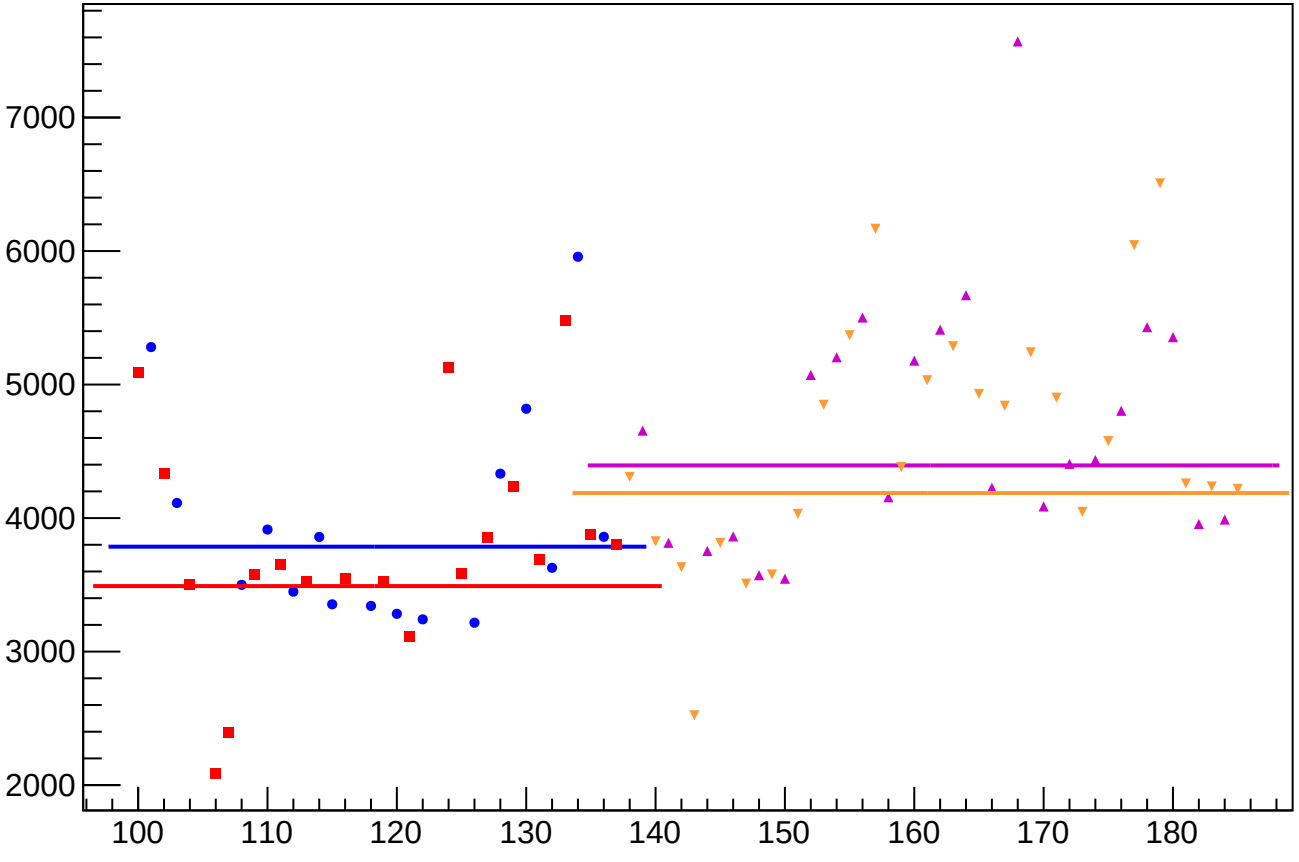
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -170.823+/-808.599 χ^2/NDF: 46.2/40

All: 102.306+/-576.784 χ^2/NDF: 71.9/82

- 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: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

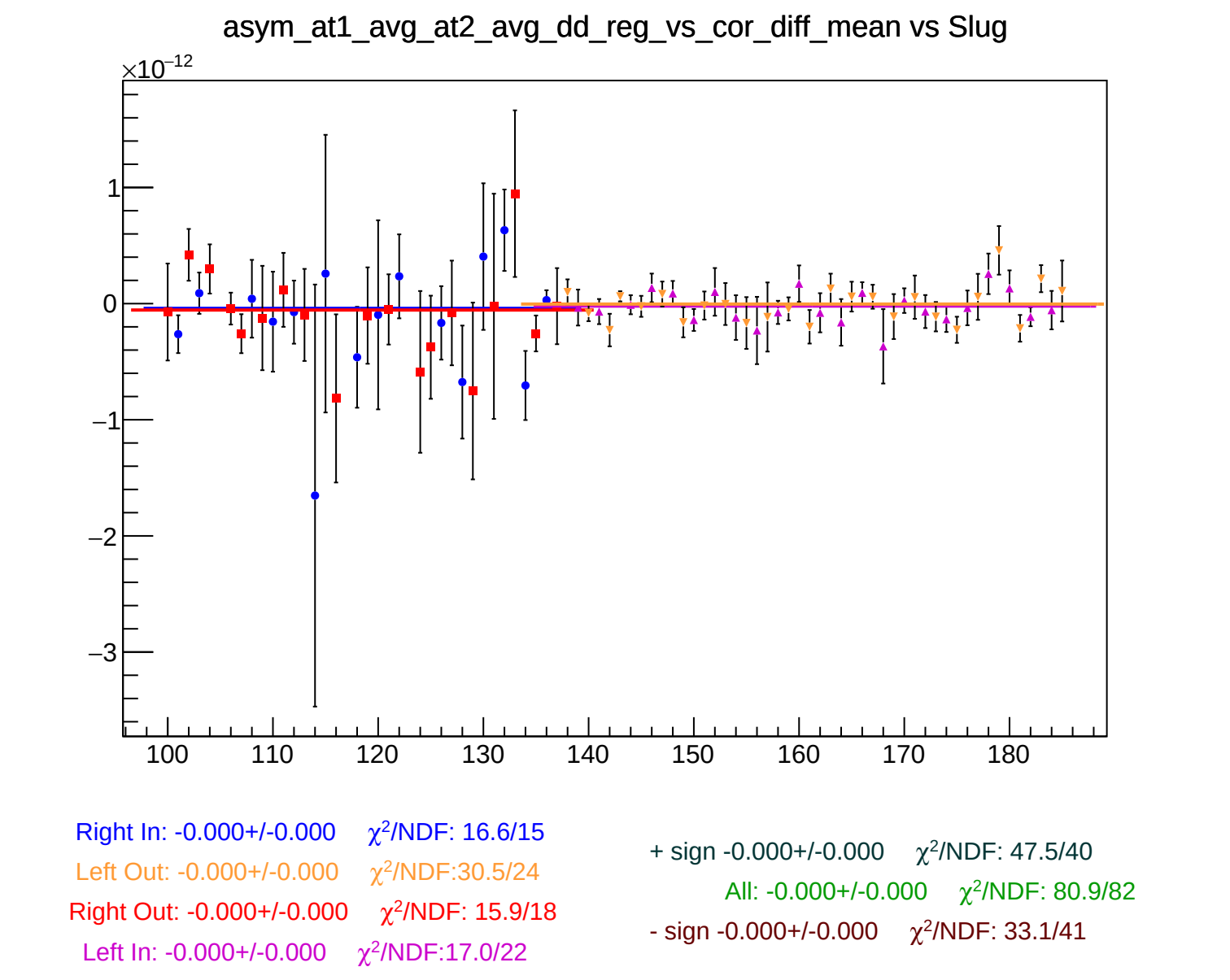
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

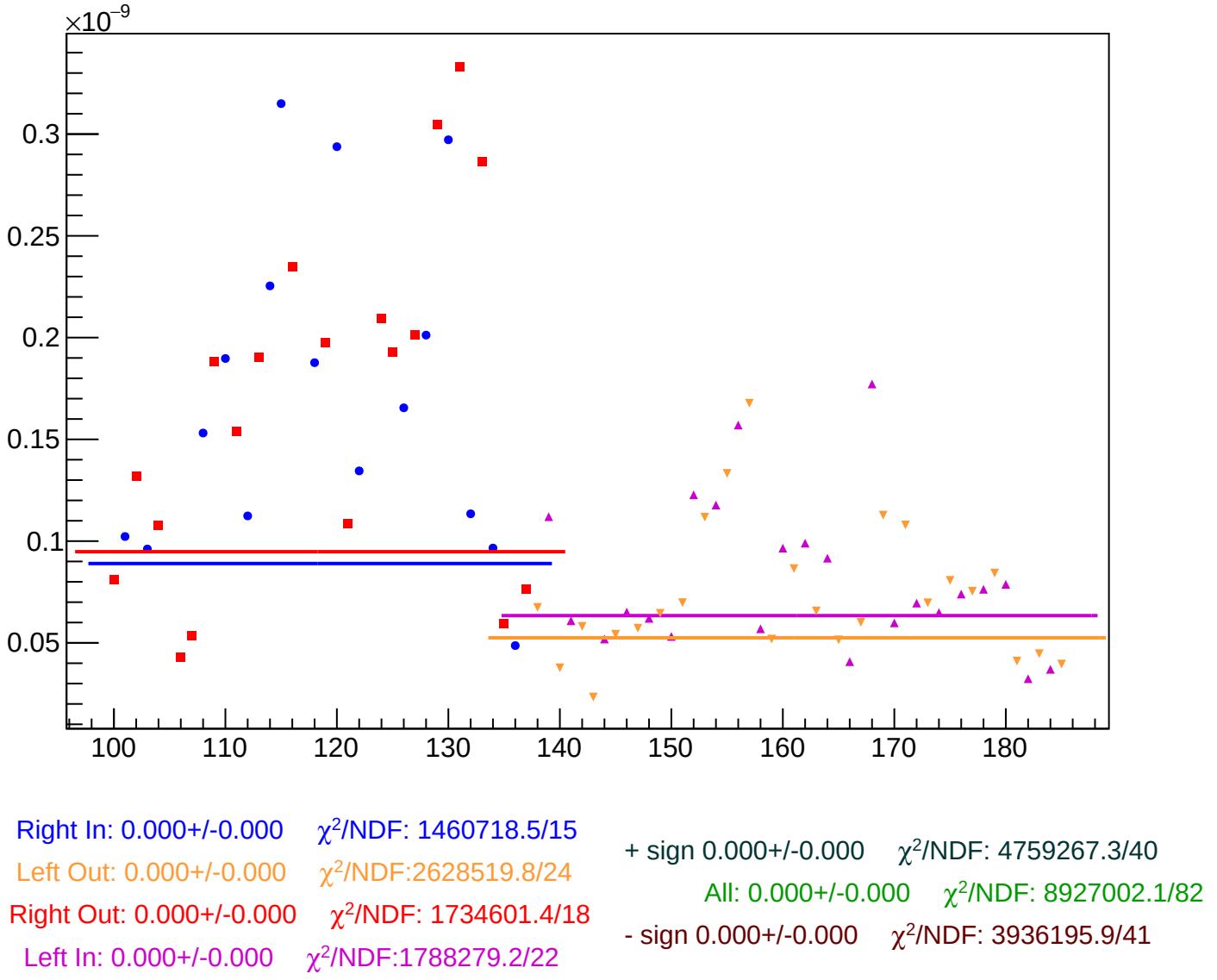
Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

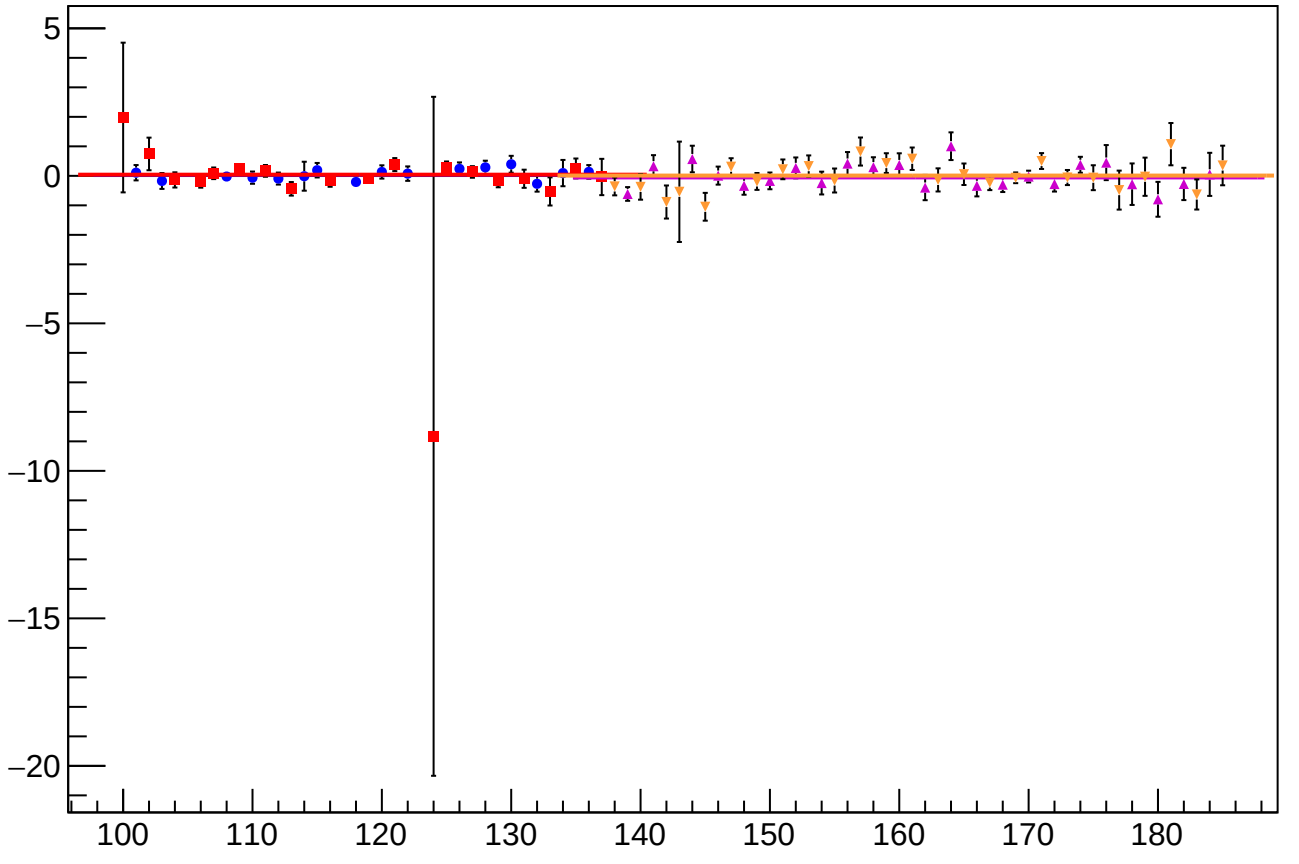
+ sign 4059.579+/-0.572 χ^2/NDF: 2286769.5/40

All: 4052.662+/-0.407 χ^2/NDF: 4539724.5/82

- sign 4045.571+/-0.579 χ^2/NDF: 2252658.6/41


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
+ sign -0.000+/-0.000 χ²/NDF: 47.5/40
All: -0.000+/-0.000 χ²/NDF: 80.9/82
- sign -0.000+/-0.000 χ²/NDF: 33.1/41


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1460718.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 1734601.4/18
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4759267.3/40
All: 0.000+/-0.000 χ²/NDF: 8927002.1/82
- sign 0.000+/-0.000 χ²/NDF: 3936195.9/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

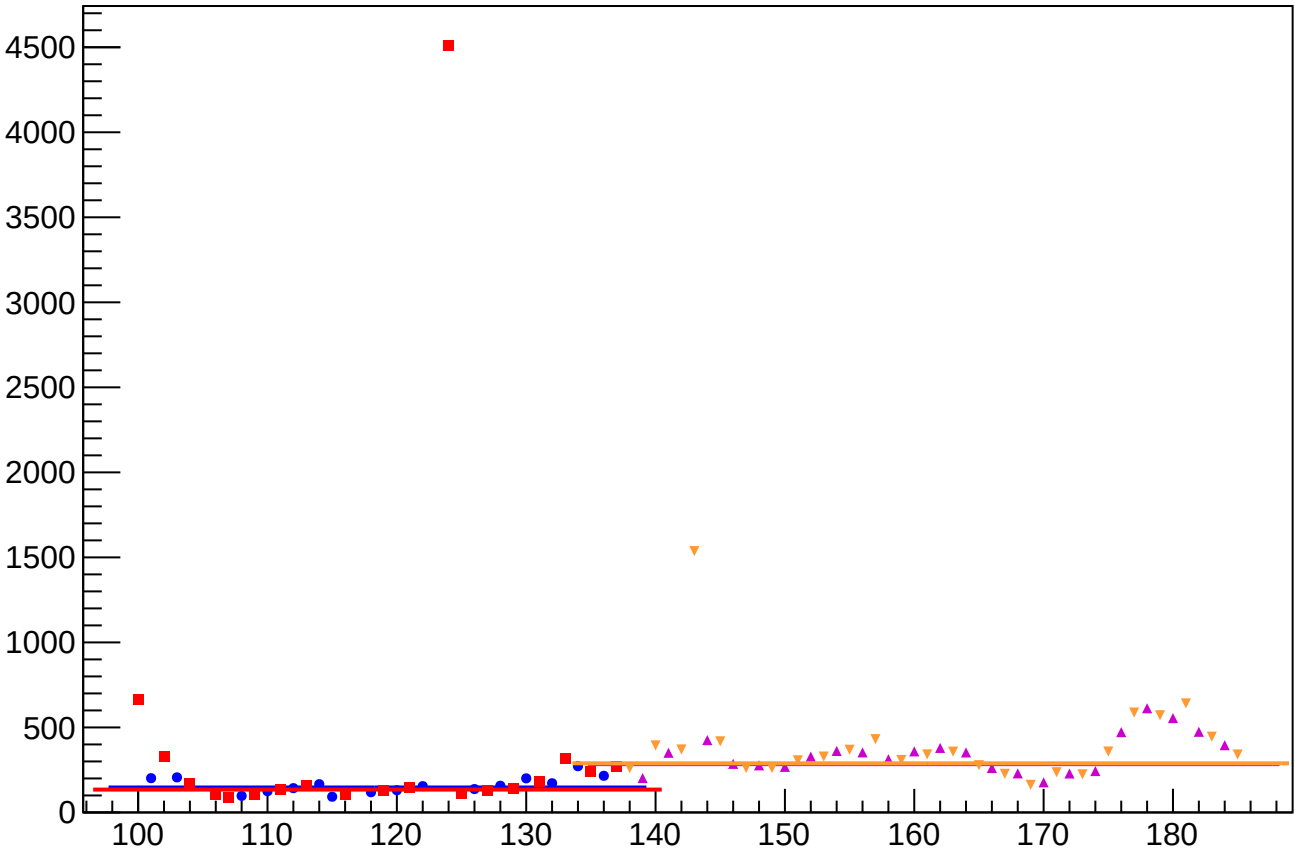
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

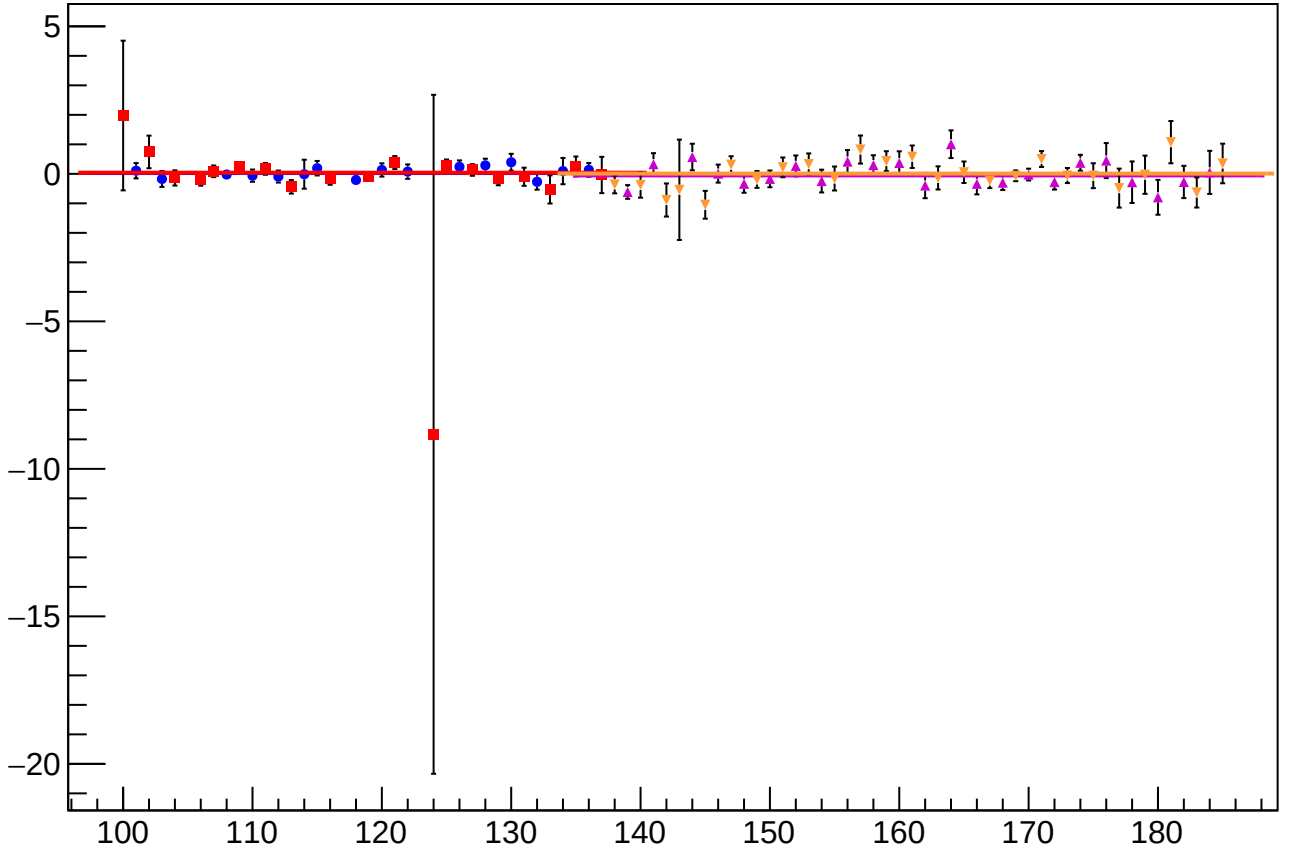
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 196.919+/-0.022 χ^2/NDF: 20862328.6/82

- 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: 0.009+/-0.071 χ^2/NDF:28.9/24

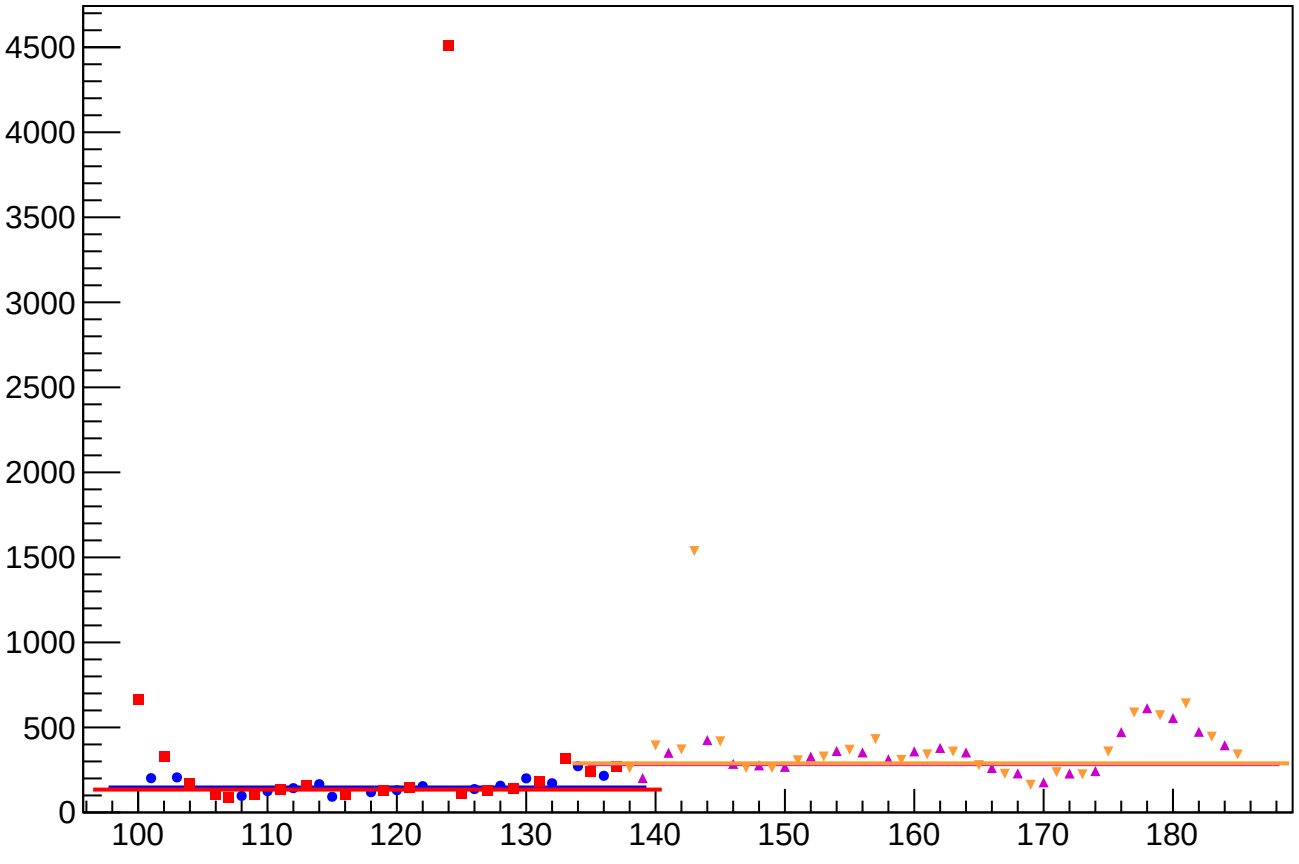
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648197.0/24

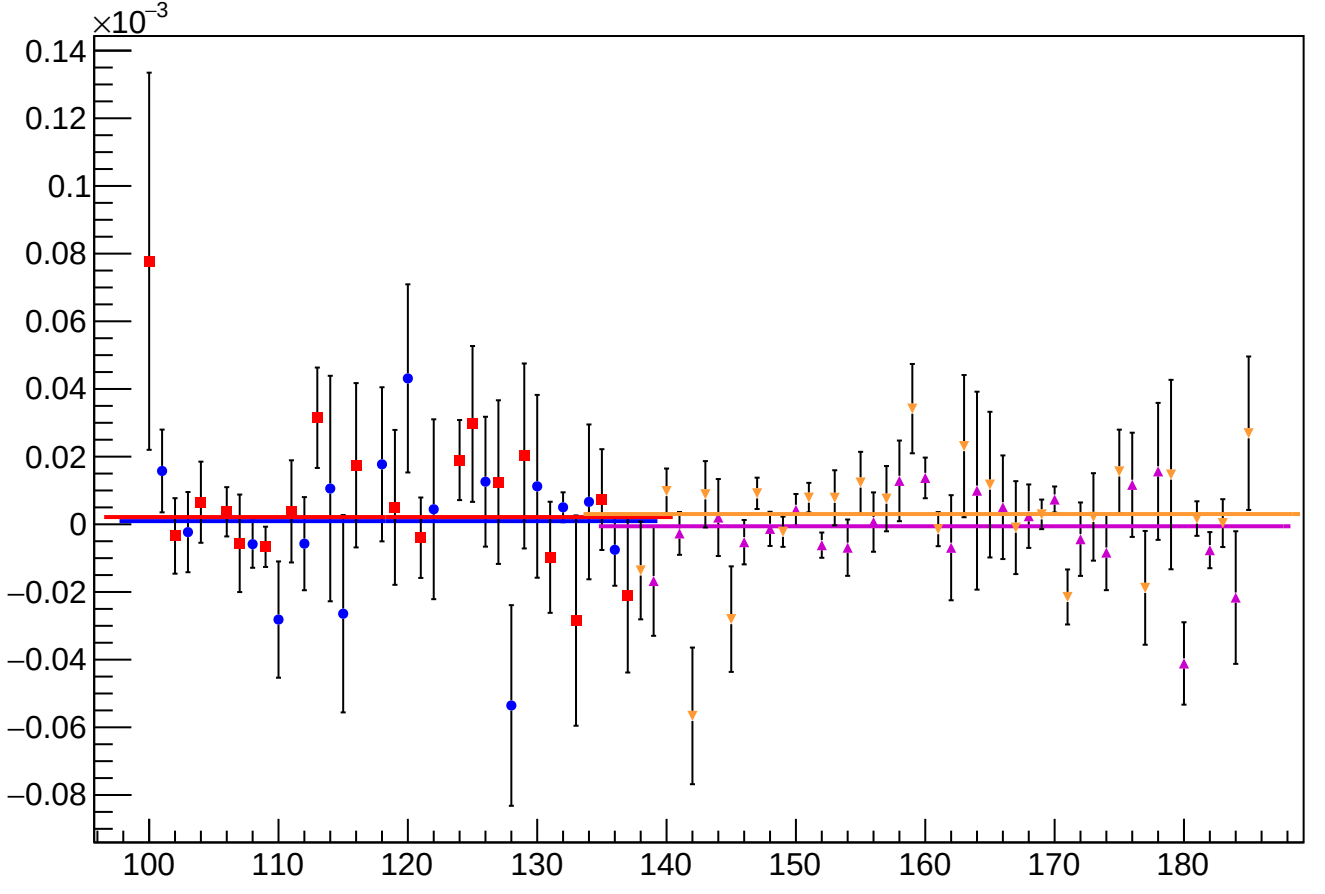
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 196.919+/-0.022 χ^2/NDF: 20862328.6/82

- 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:42.2/24

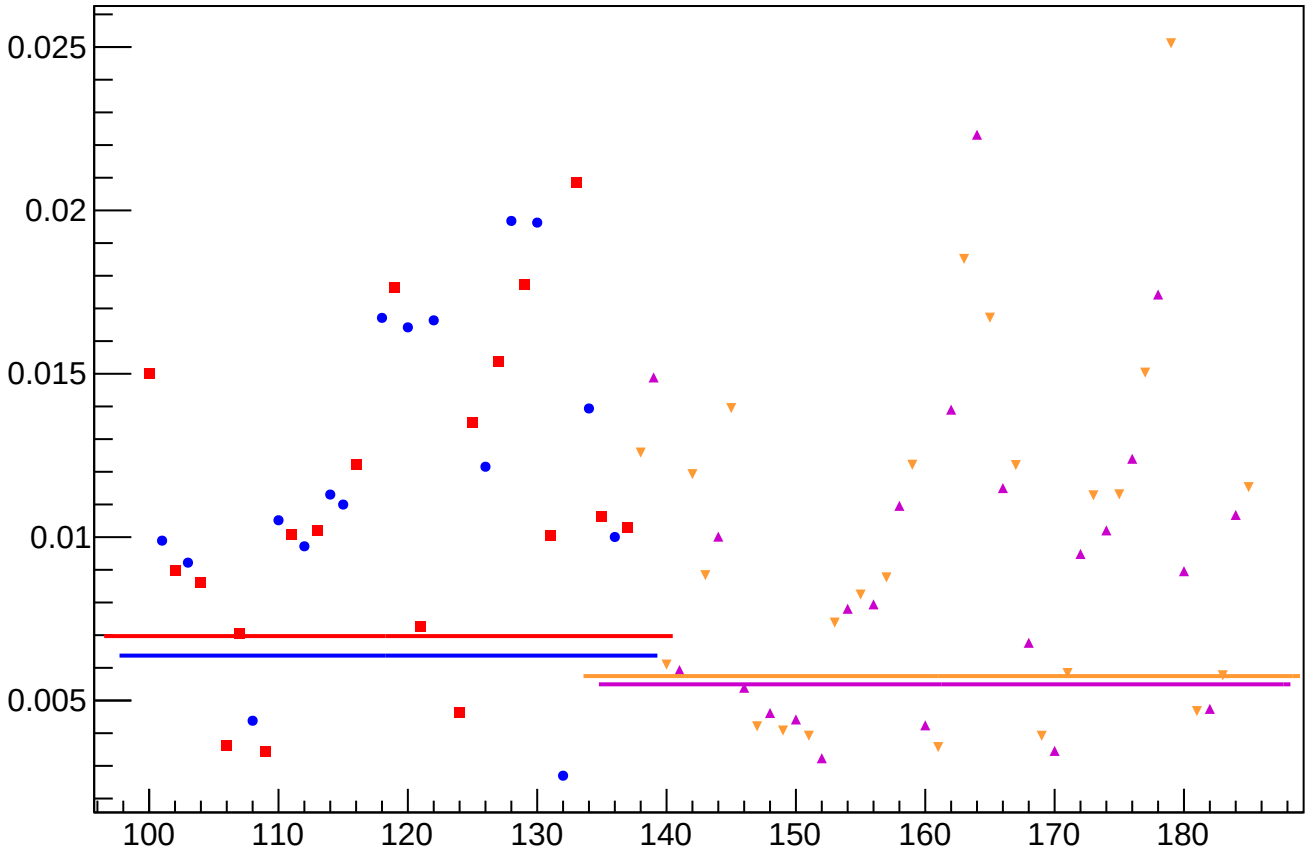
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/40

All: 0.000+/-0.000 χ^2/NDF: 109.2/82

- 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:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

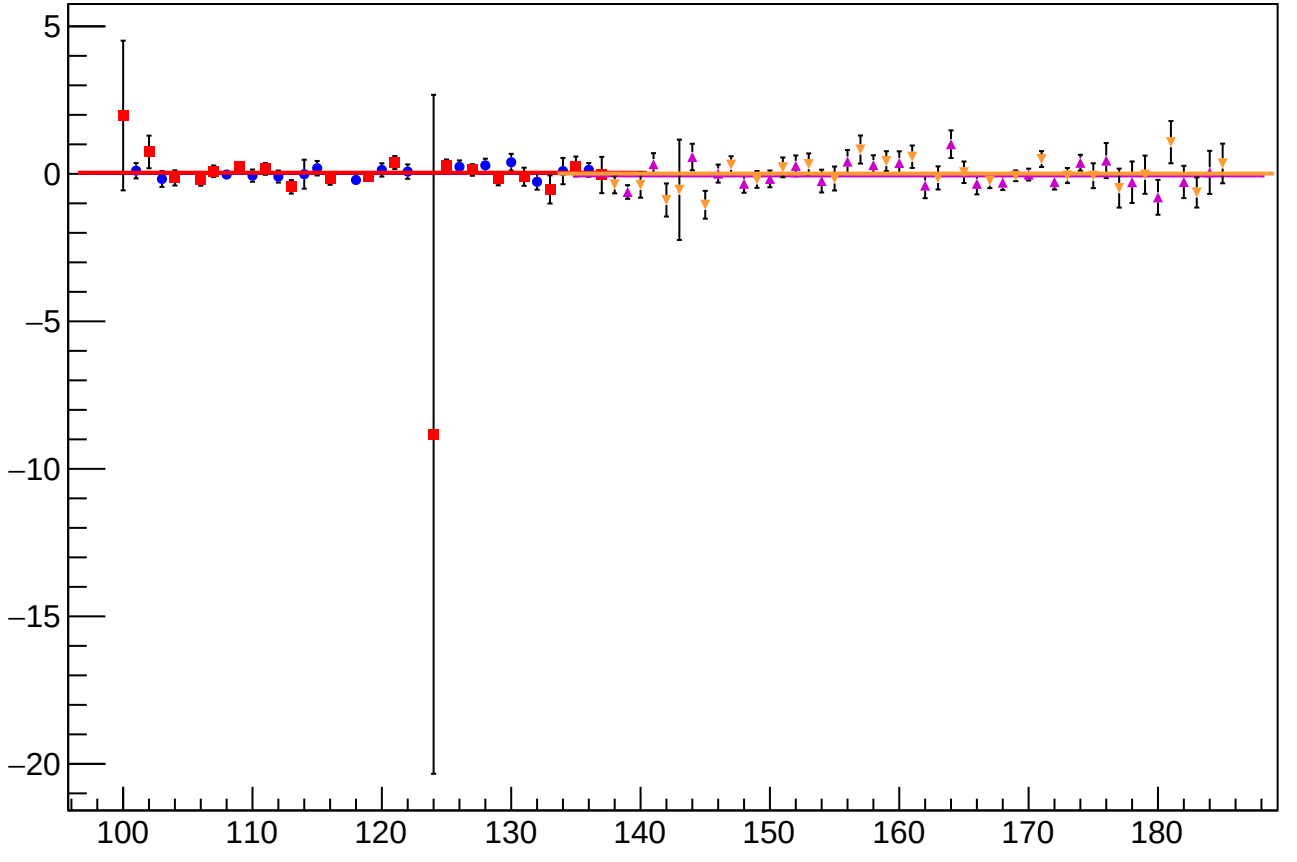
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12840534.1/40

All: 0.006+/-0.000 χ^2/NDF: 23574776.4/82

- sign 0.006+/-0.000 χ^2/NDF: 10730107.5/41

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

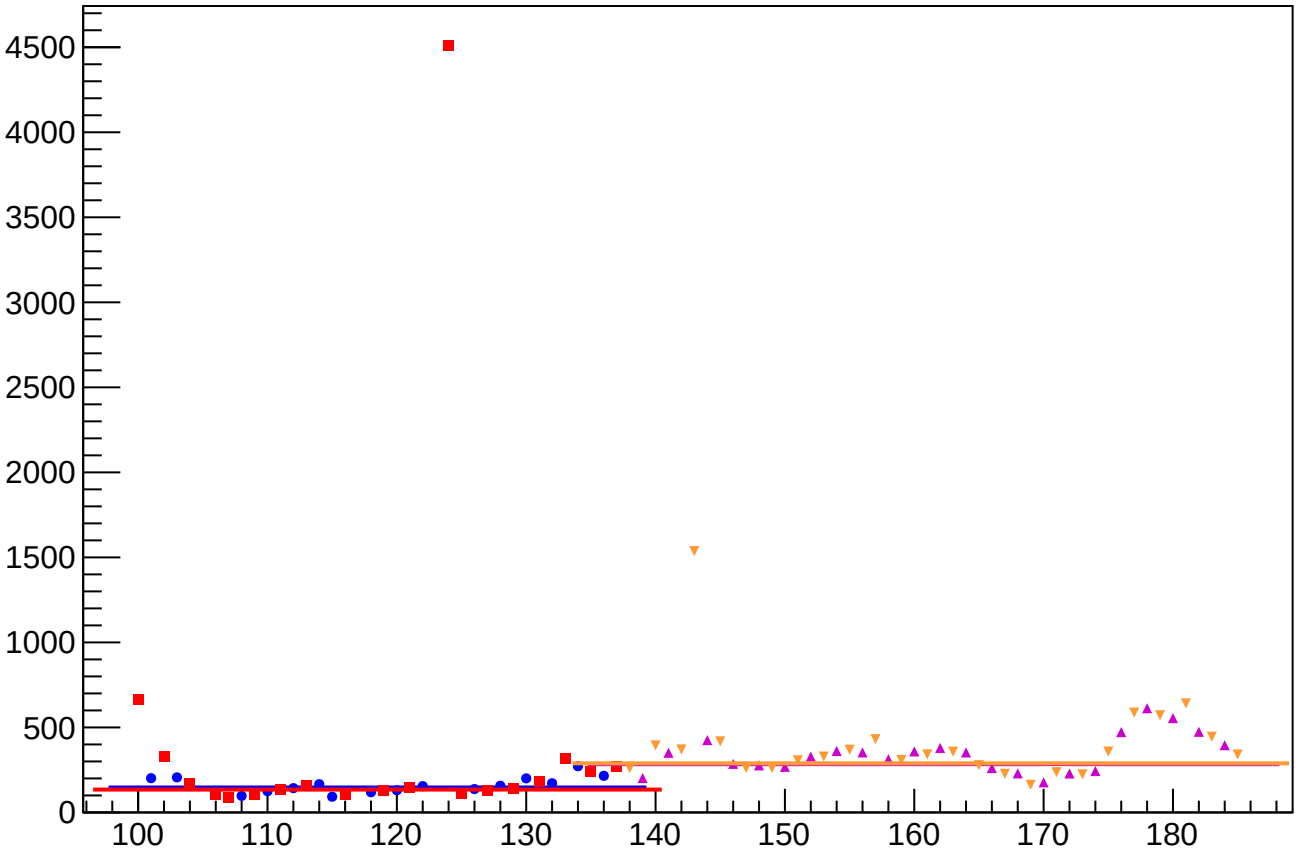
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648388.8/24

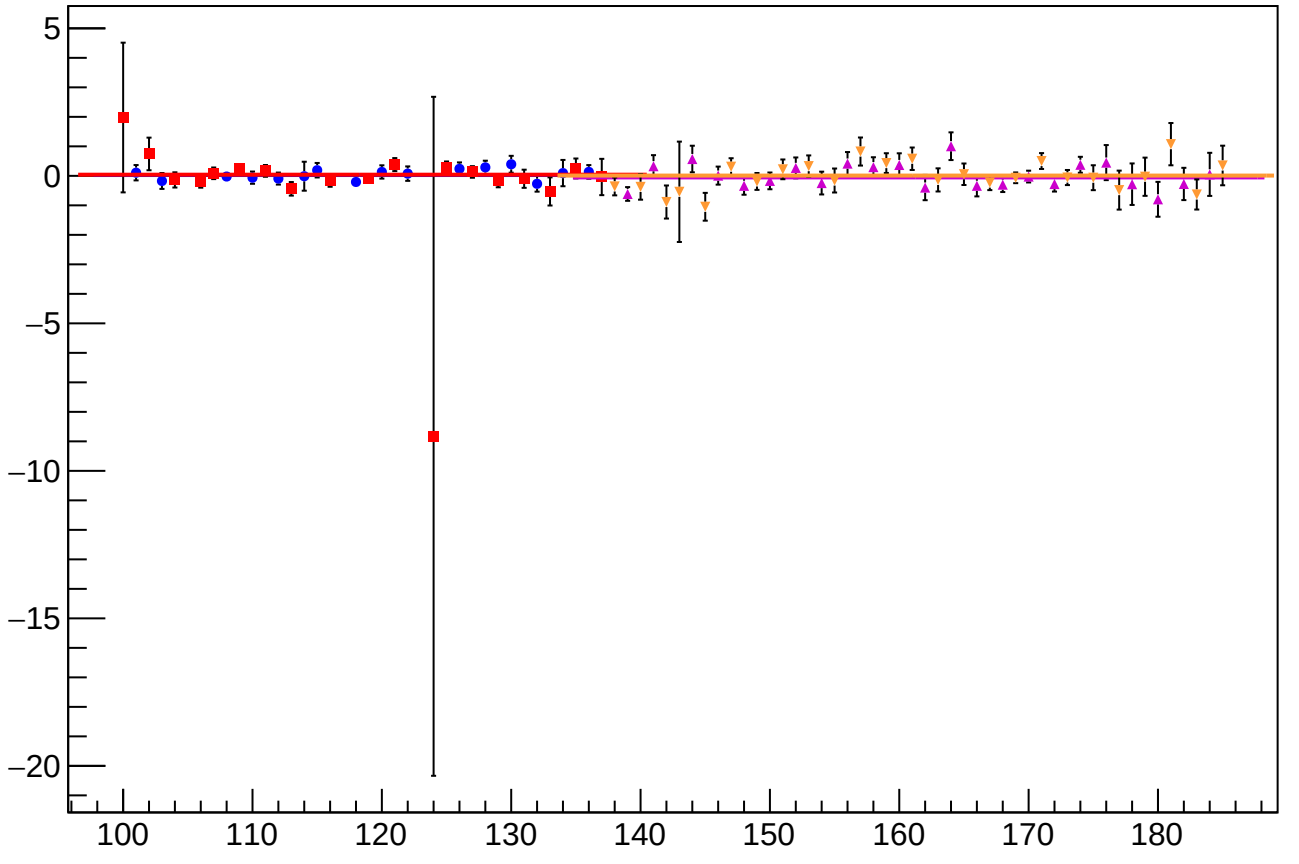
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 196.919+/-0.022 χ^2/NDF: 20862419.2/82

- sign 190.943+/-0.031 χ^2/NDF: 10313538.5/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

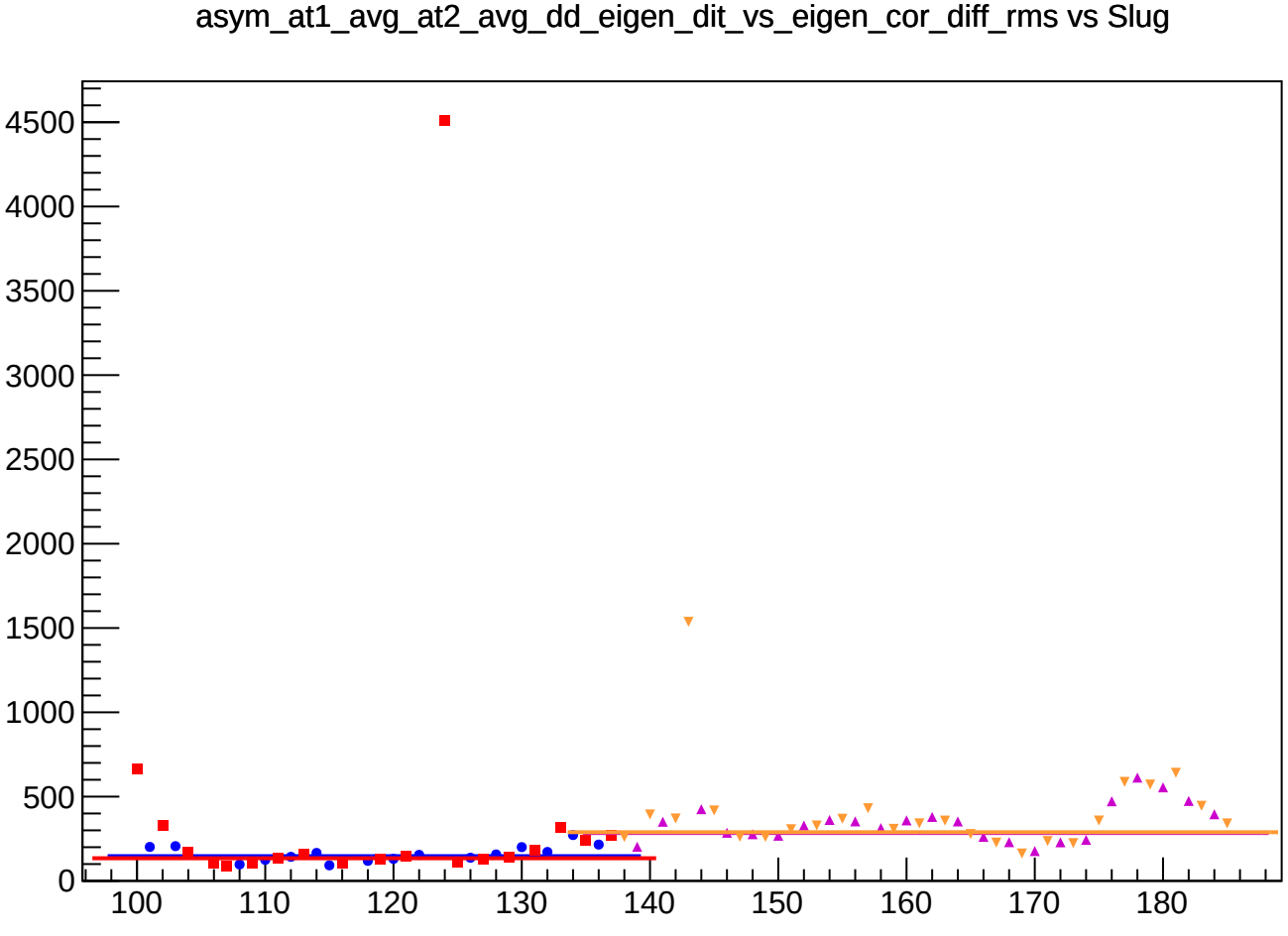
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648388.8/24

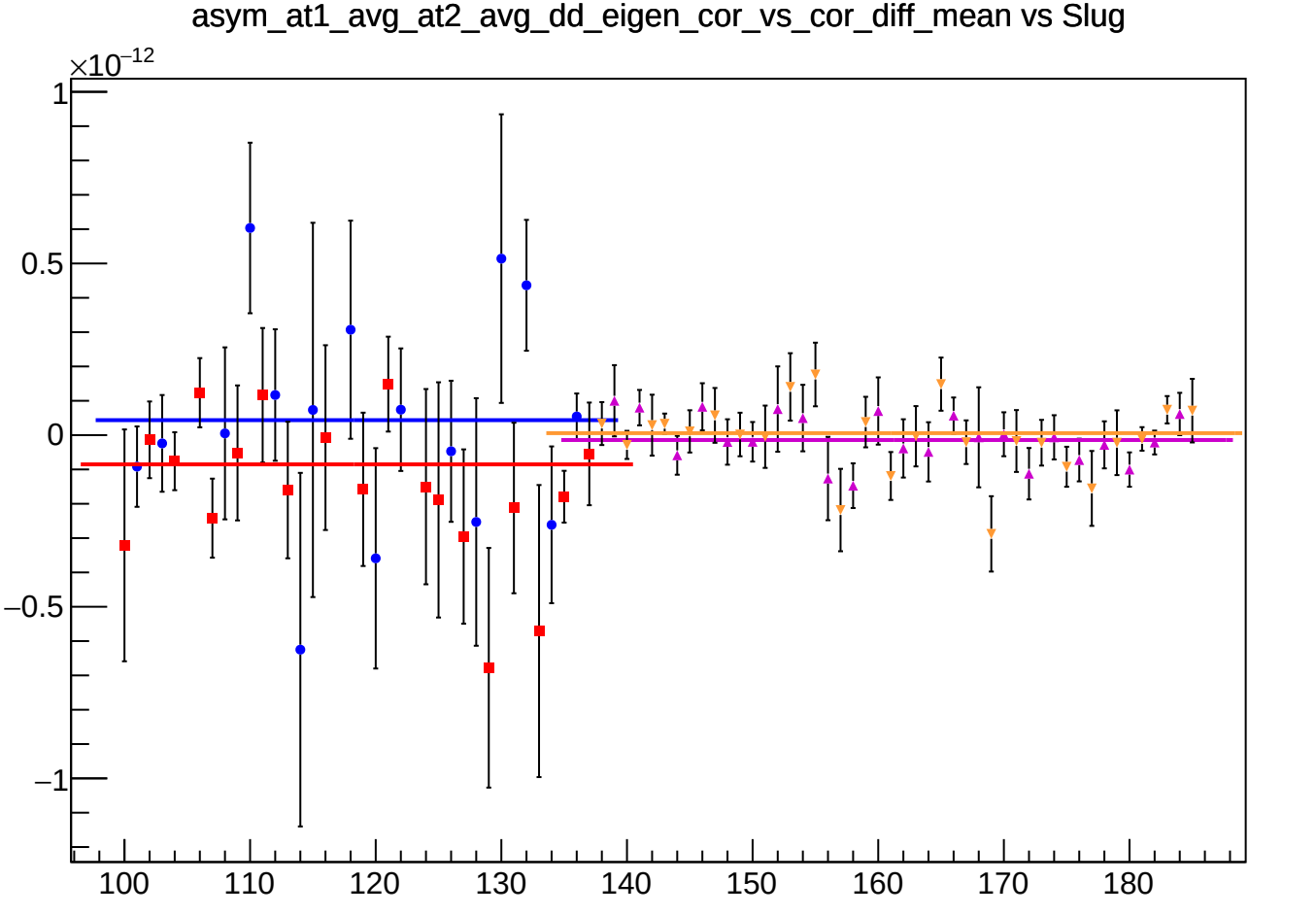
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 196.919+/-0.022 χ^2/NDF: 20862419.2/82

- 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:34.1/24

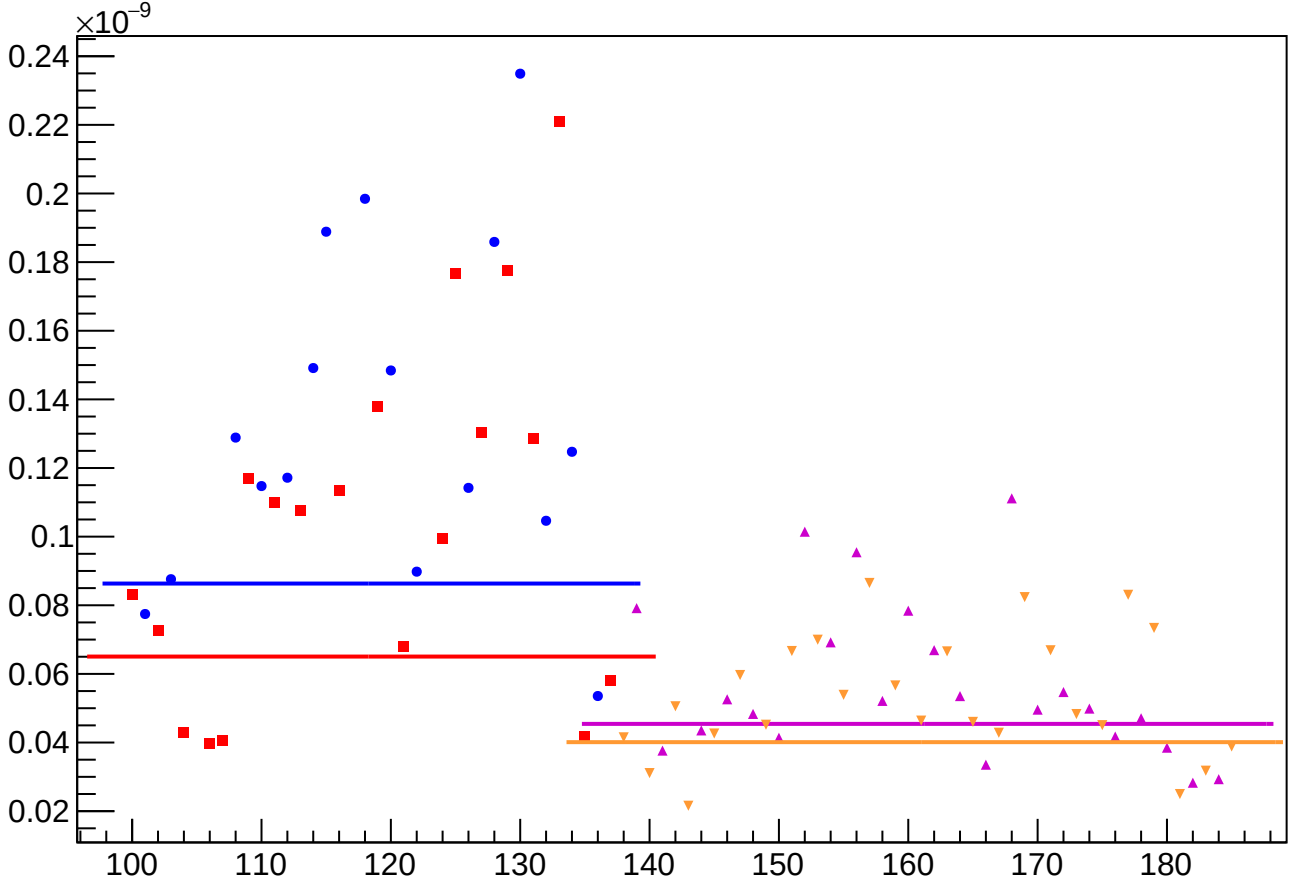
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.8/40

All: -0.000+/-0.000 χ^2/NDF: 102.5/82

- 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:3609934.1/24

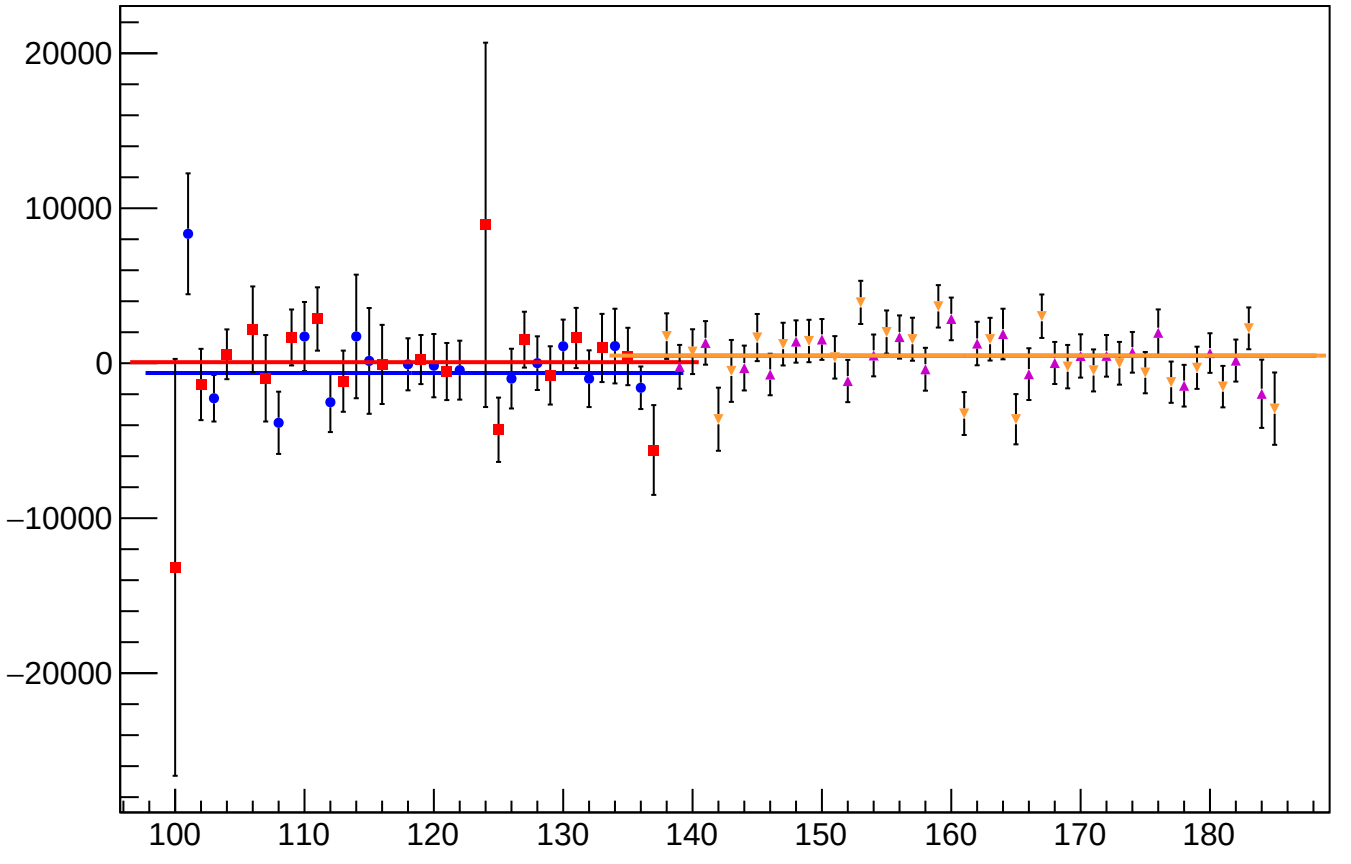
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7337001.5/40

All: 0.000+/-0.000 χ^2/NDF: 12978203.8/82

- sign 0.000+/-0.000 χ^2/NDF: 5506628.4/41



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

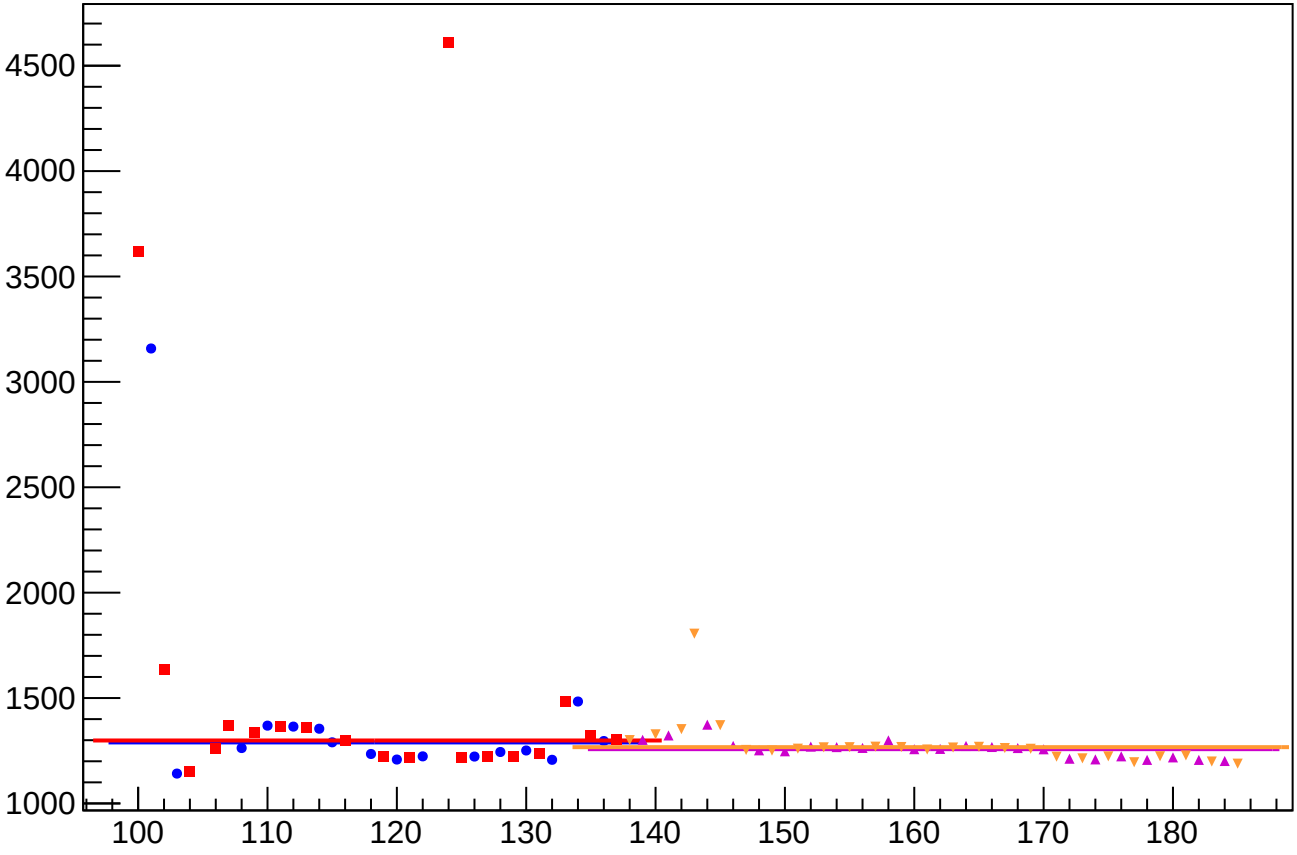
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 201.785+/-248.431 χ^2/NDF: 64.7/40

All: 287.397+/-176.795 χ^2/NDF: 95.8/82

- 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: 1266.967+/-0.204 χ^2/NDF:187545.6/24

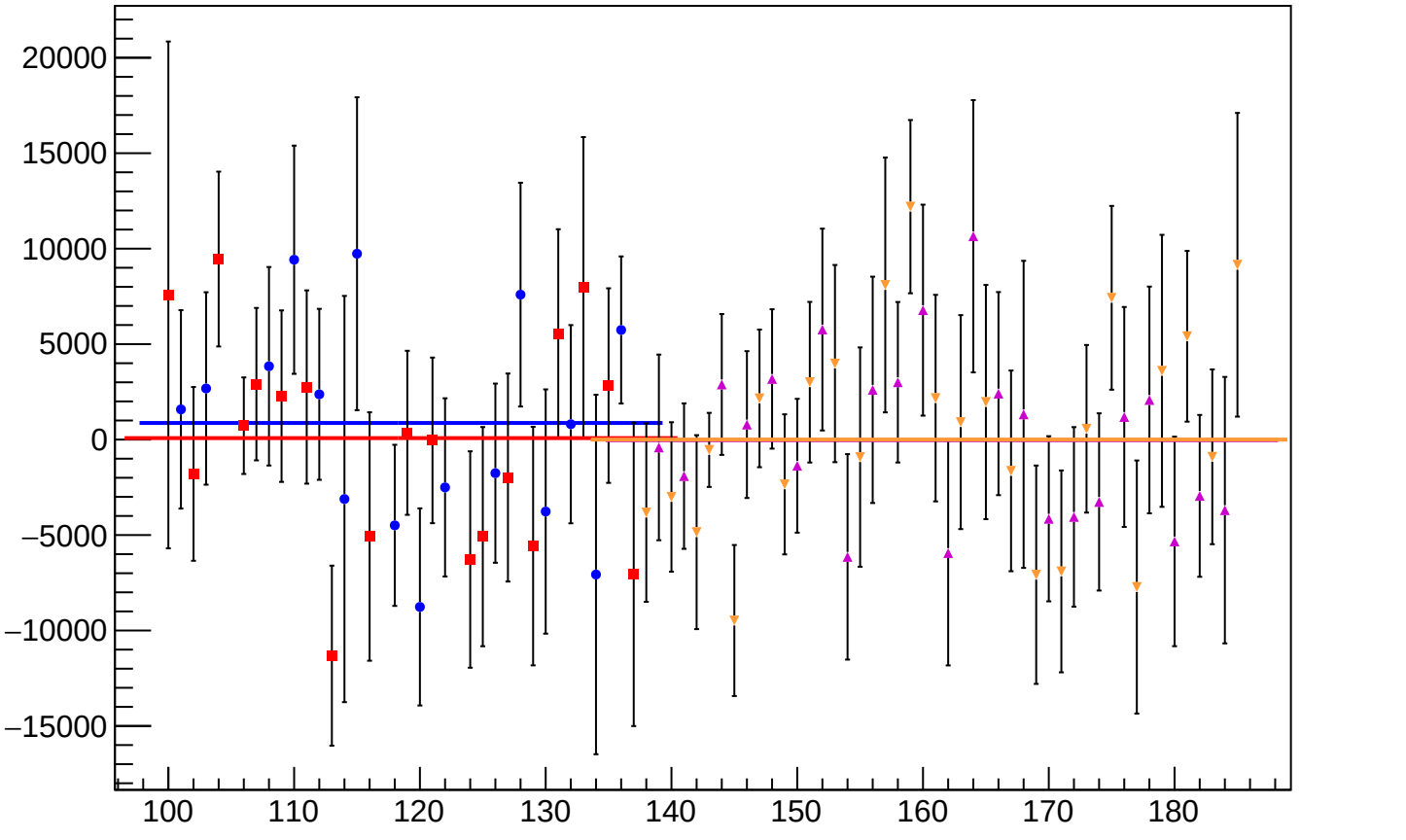
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.783+/-0.176 χ^2/NDF: 705364.5/40

All: 1270.685+/-0.125 χ^2/NDF: 1072307.3/82

- 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: -0.604+/-886.488 χ^2/NDF:29.1/24

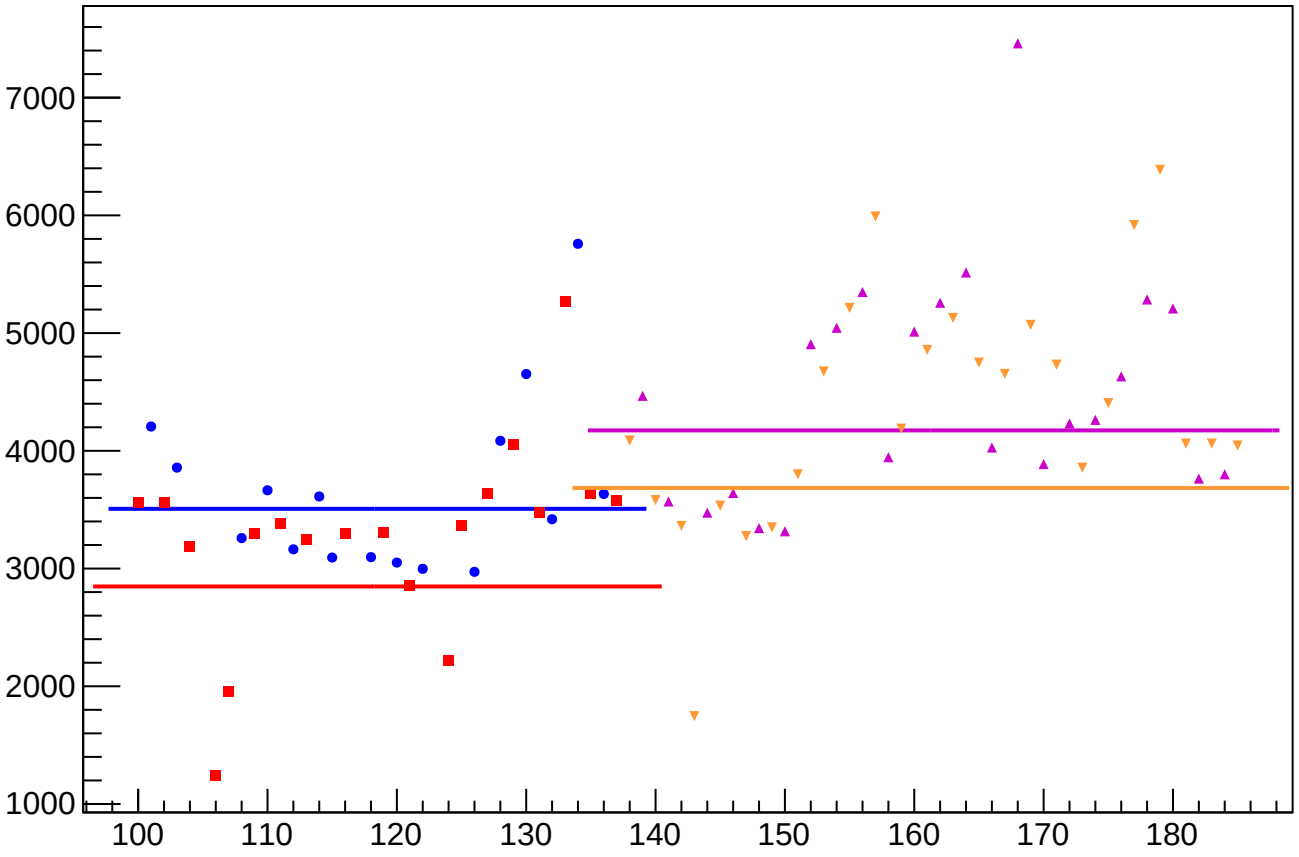
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 268.611+/-736.840 χ^2/NDF: 43.4/40

All: 143.526+/-522.618 χ^2/NDF: 75.9/82

- 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: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

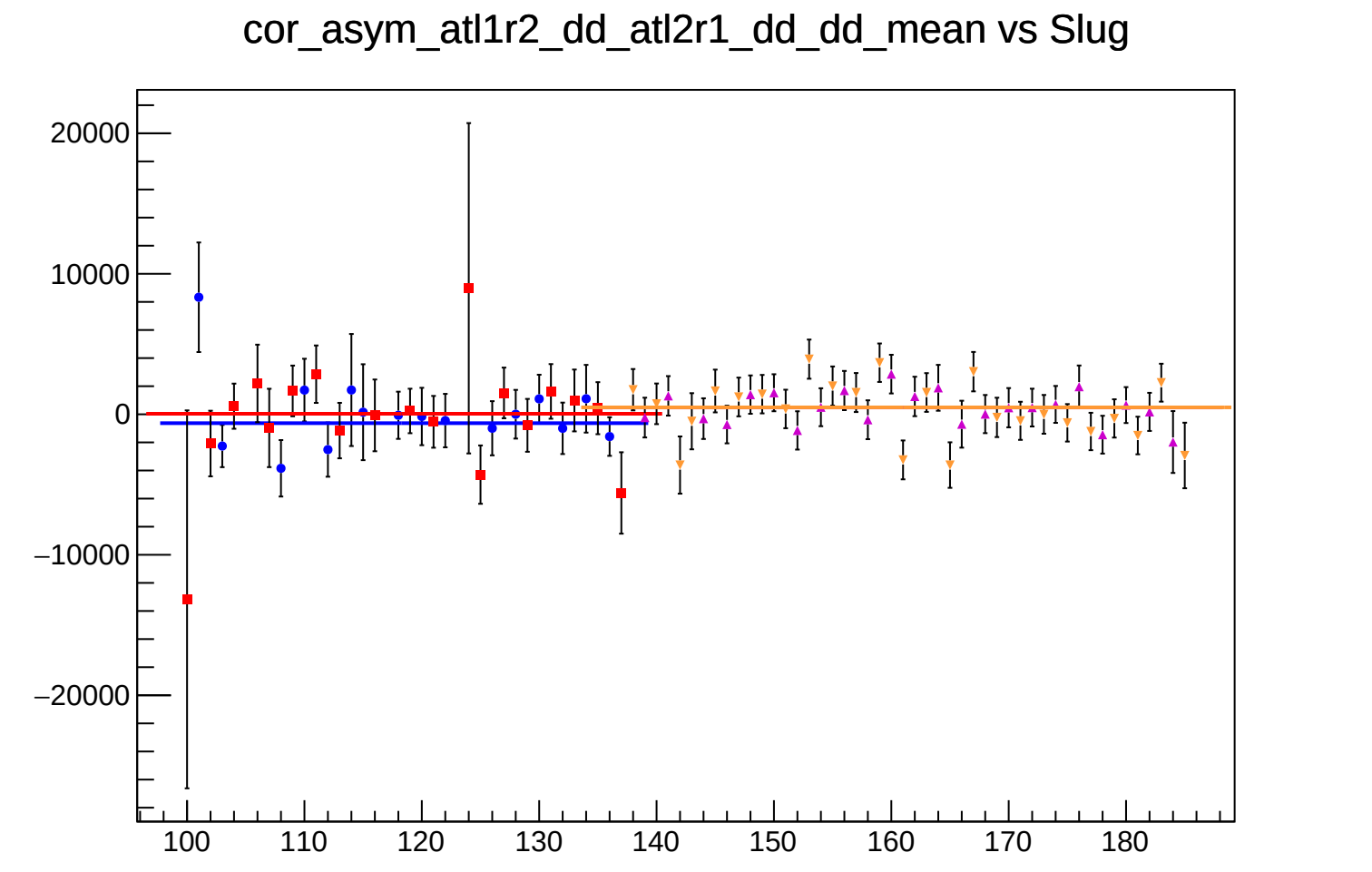
Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3629.939+/-0.521 χ^2/NDF: 4072376.2/40

All: 3606.767+/-0.370 χ^2/NDF: 8430367.4/82

- sign 3583.310+/-0.524 χ^2/NDF: 4354011.0/41



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

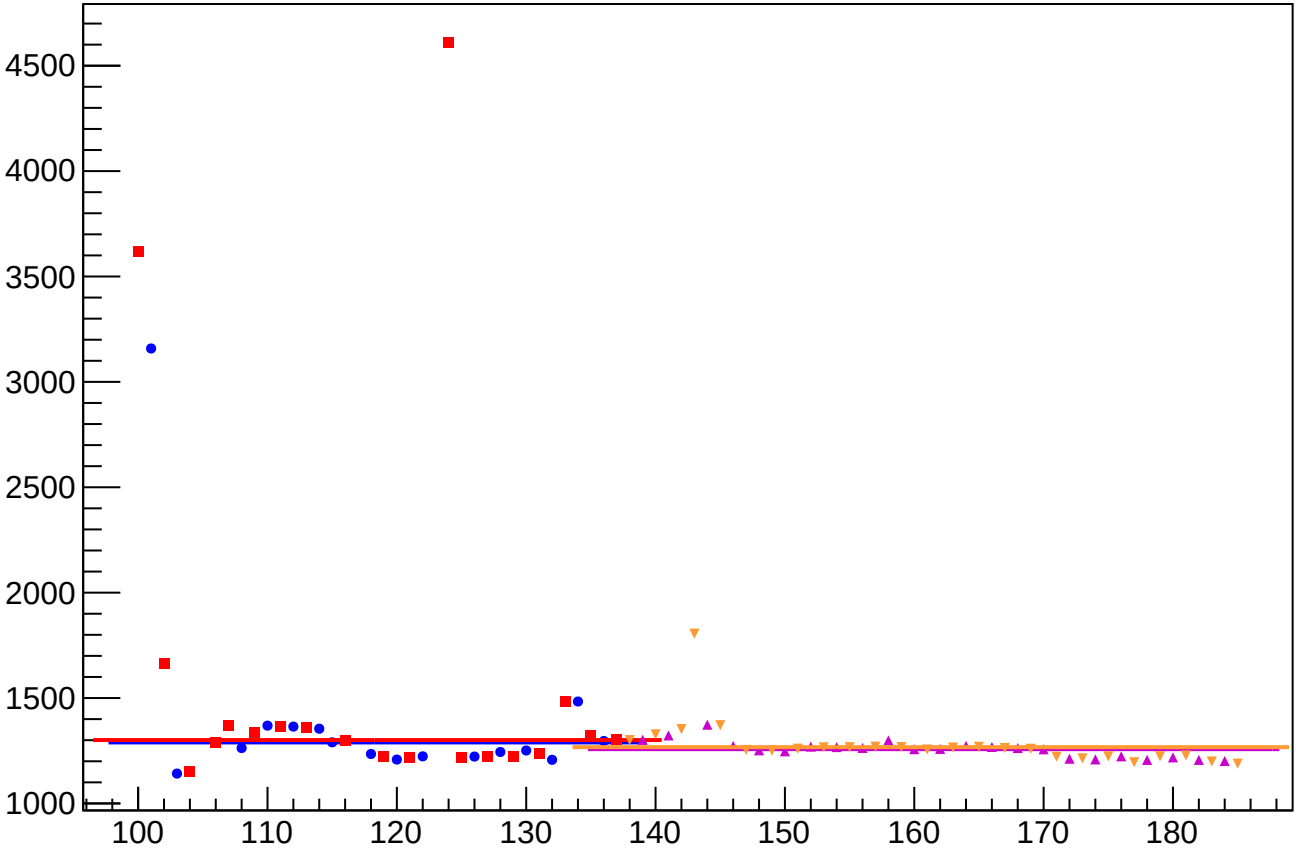
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 283.546+/-176.810 χ^2/NDF: 96.3/82

- 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: 1266.968+/-0.204 χ^2/NDF:187545.6/24

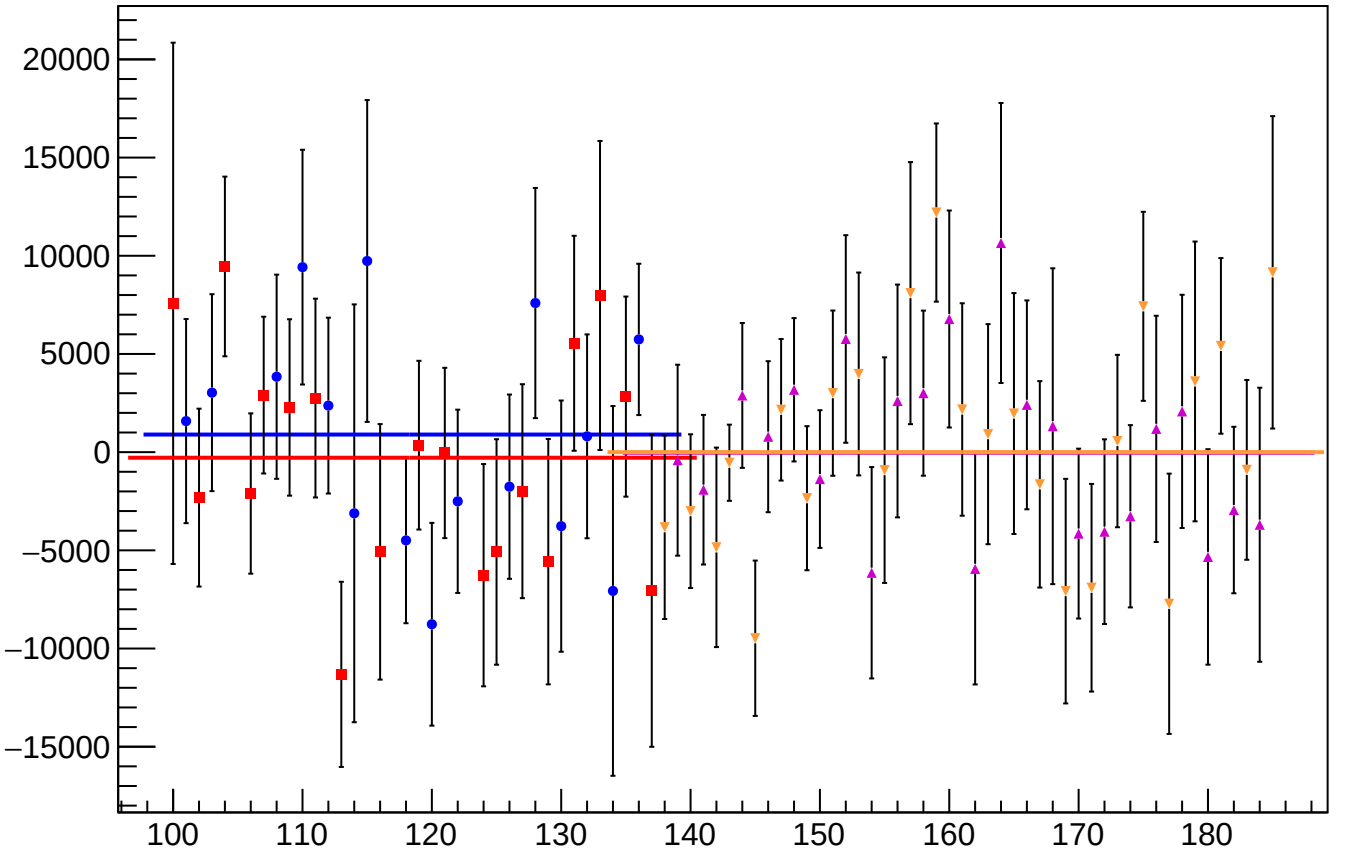
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1270.941+/-0.125 χ^2/NDF: 1079809.2/82

- 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: -0.541+/-886.487 χ^2/NDF:29.1/24

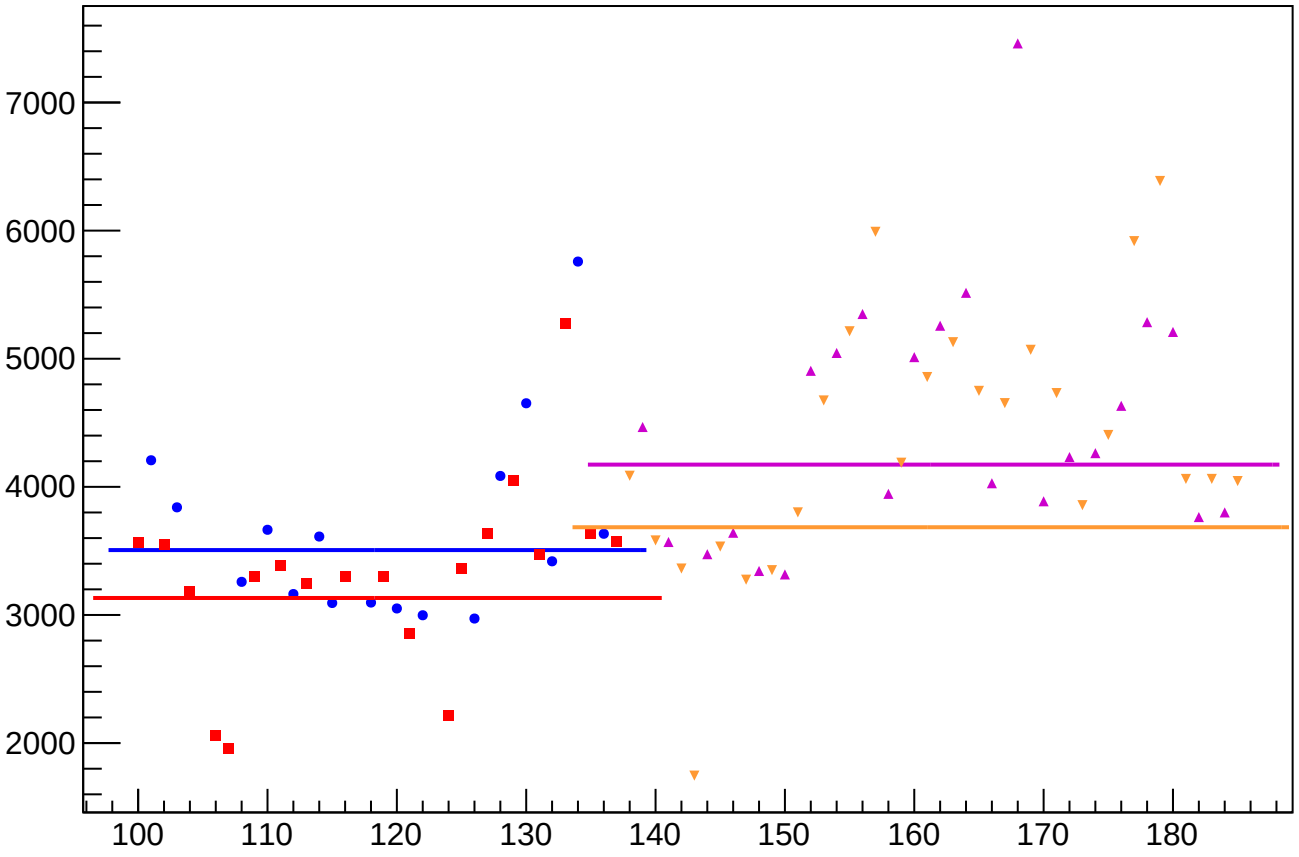
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 276.737+/-736.761 χ^2/NDF: 43.5/40

All: 77.140+/-529.556 χ^2/NDF: 76.3/82

- 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: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

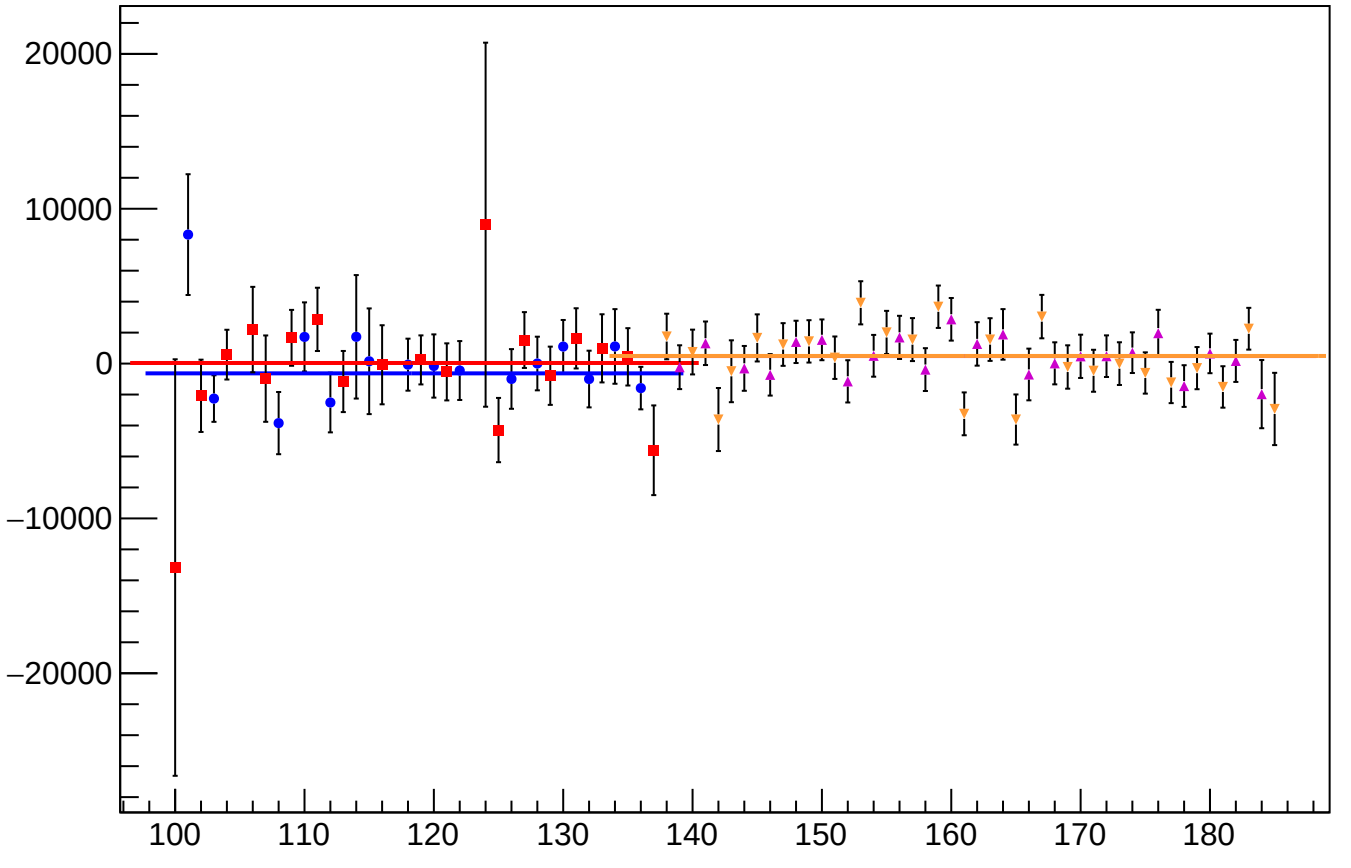
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3684.020+/-0.374 χ^2/NDF: 6925623.0/82

- 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: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

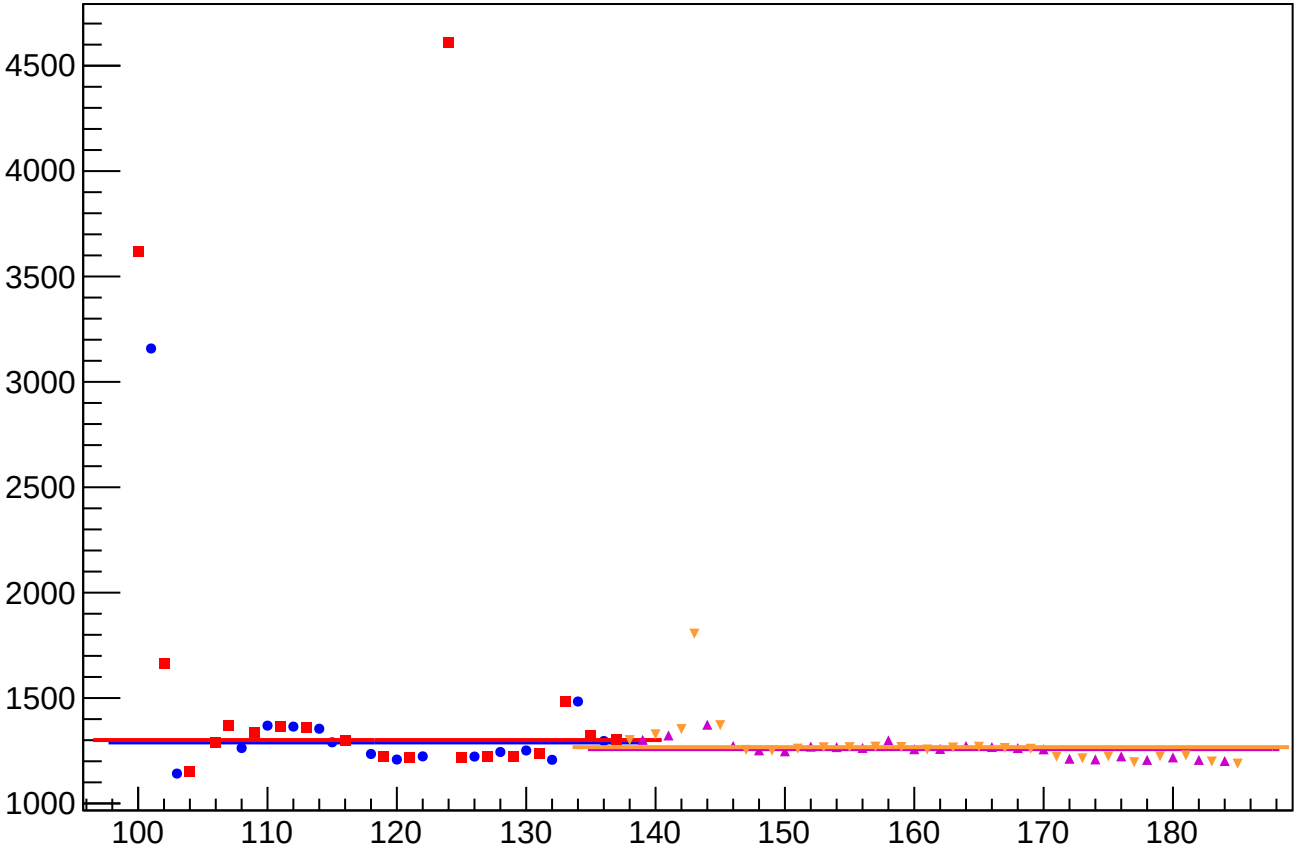
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 201.698+/-248.431 χ^2/NDF: 64.7/40

All: 283.546+/-176.810 χ^2/NDF: 96.3/82

- 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: 1266.968+/-0.204 χ^2/NDF:187545.6/24

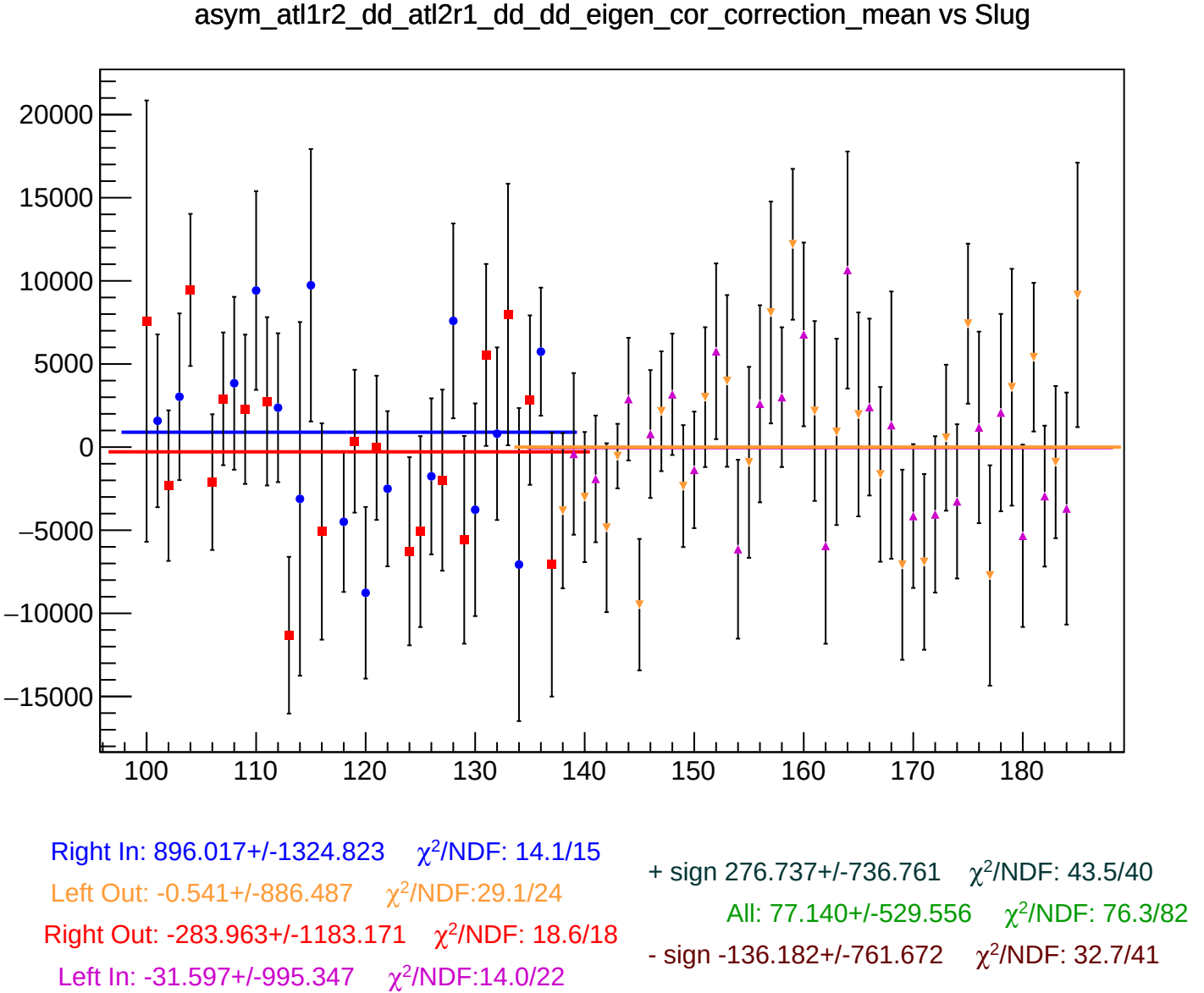
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

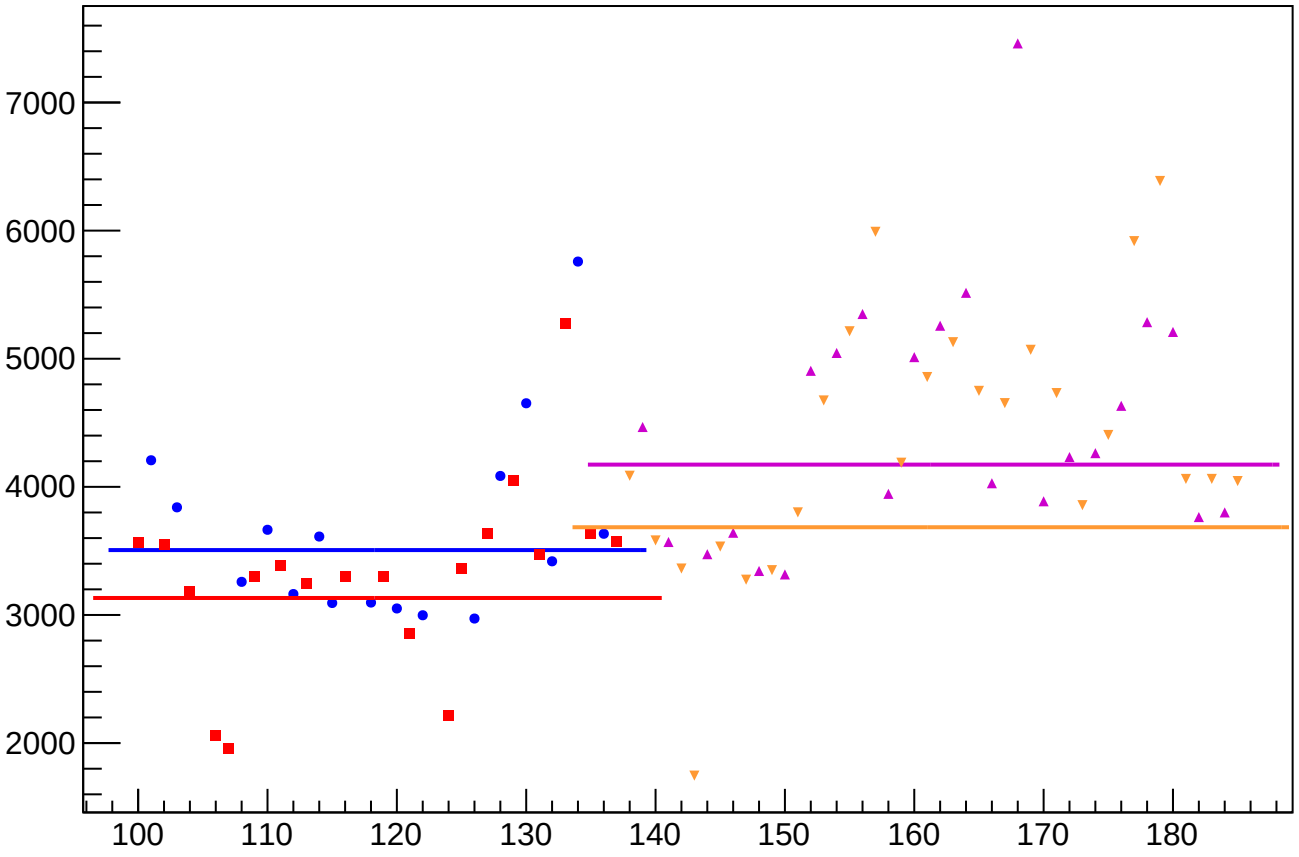
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.782+/-0.176 χ^2/NDF: 705365.9/40

All: 1270.941+/-0.125 χ^2/NDF: 1079809.2/82

- 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: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 276.737+/-736.761 χ²/NDF: 43.5/40
All: 77.140+/-529.556 χ²/NDF: 76.3/82
- sign -136.182+/-761.672 χ²/NDF: 32.7/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

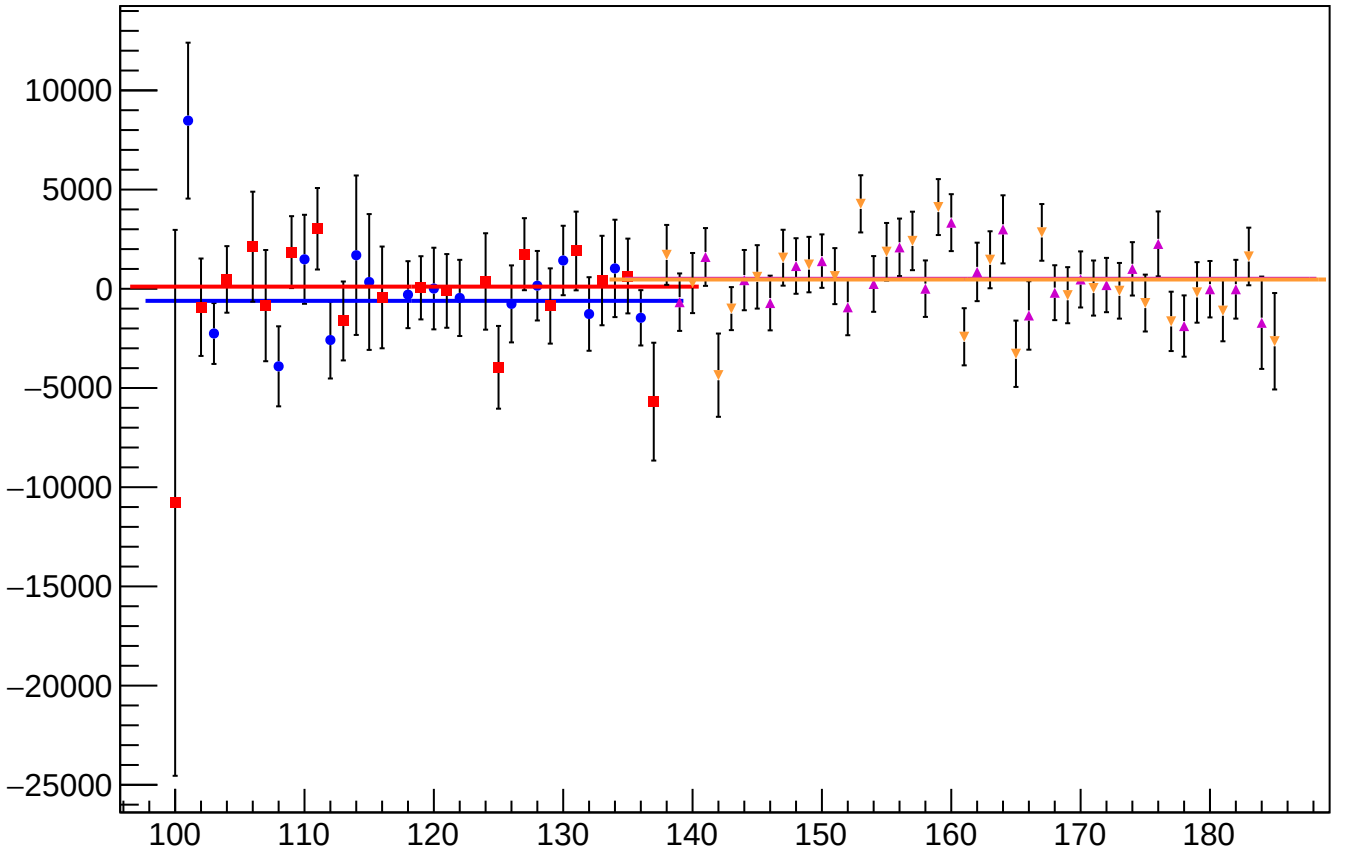
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3629.626+/-0.521 χ^2/NDF: 4071940.8/40

All: 3684.020+/-0.374 χ^2/NDF: 6925623.0/82

- 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: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

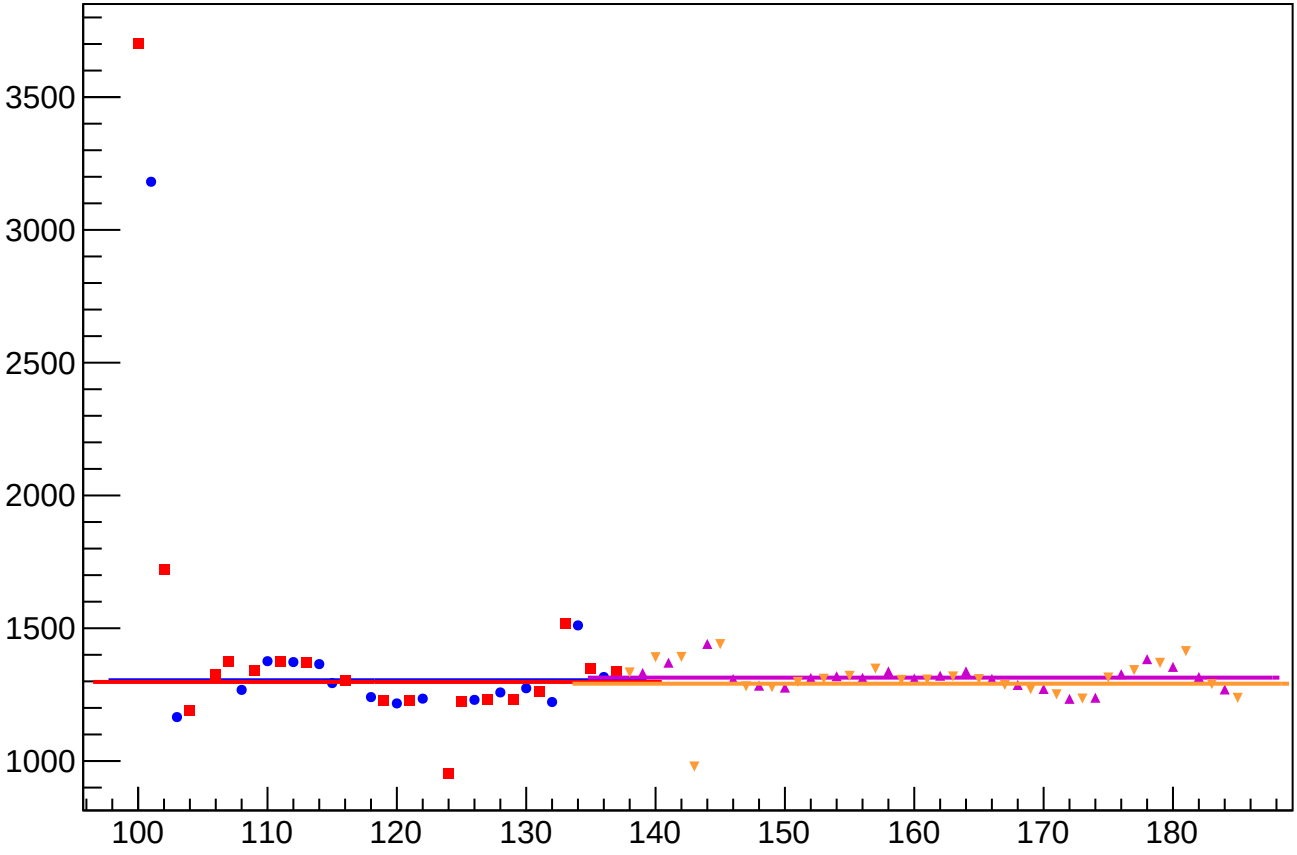
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 186.350+/-252.830 χ^2/NDF: 61.7/40

All: 285.876+/-181.096 χ^2/NDF: 94.8/82

- 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: 1291.211+/-0.208 χ^2/NDF:230735.1/24

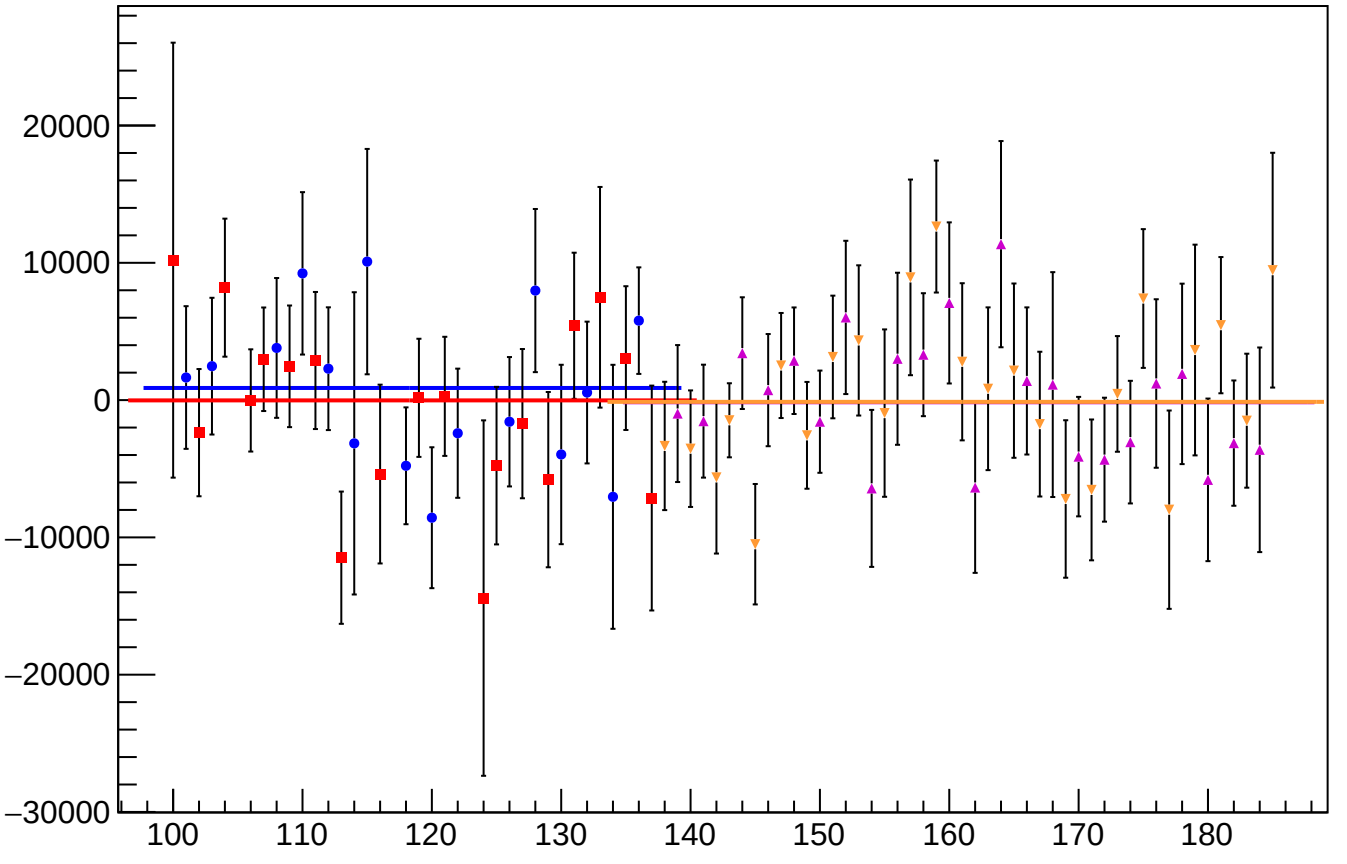
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.585+/-0.179 χ^2/NDF: 742329.3/40

All: 1301.786+/-0.128 χ^2/NDF: 1003396.1/82

- 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: -127.273+/-977.231 χ^2/NDF:28.6/24

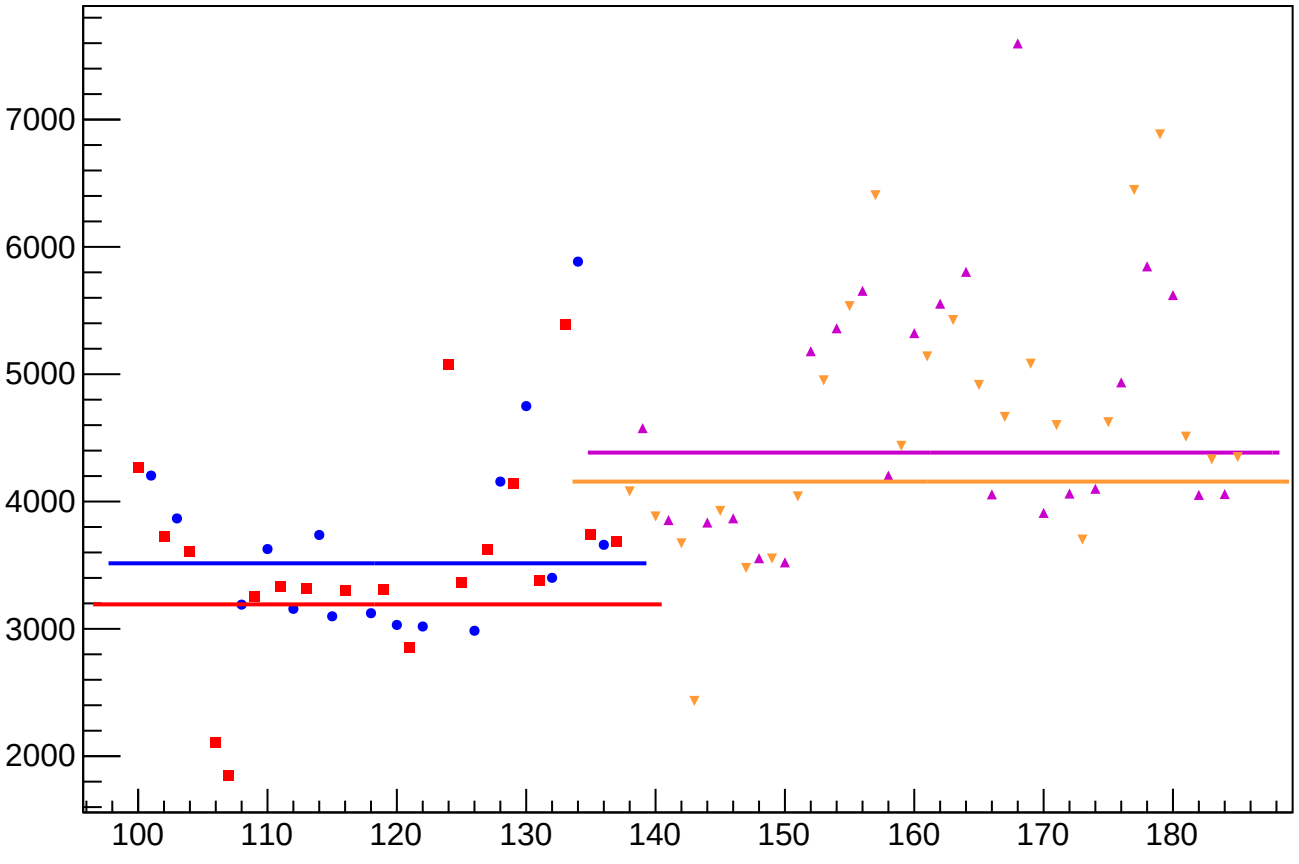
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: 64.589+/-556.937 χ^2/NDF: 73.8/82

- 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: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

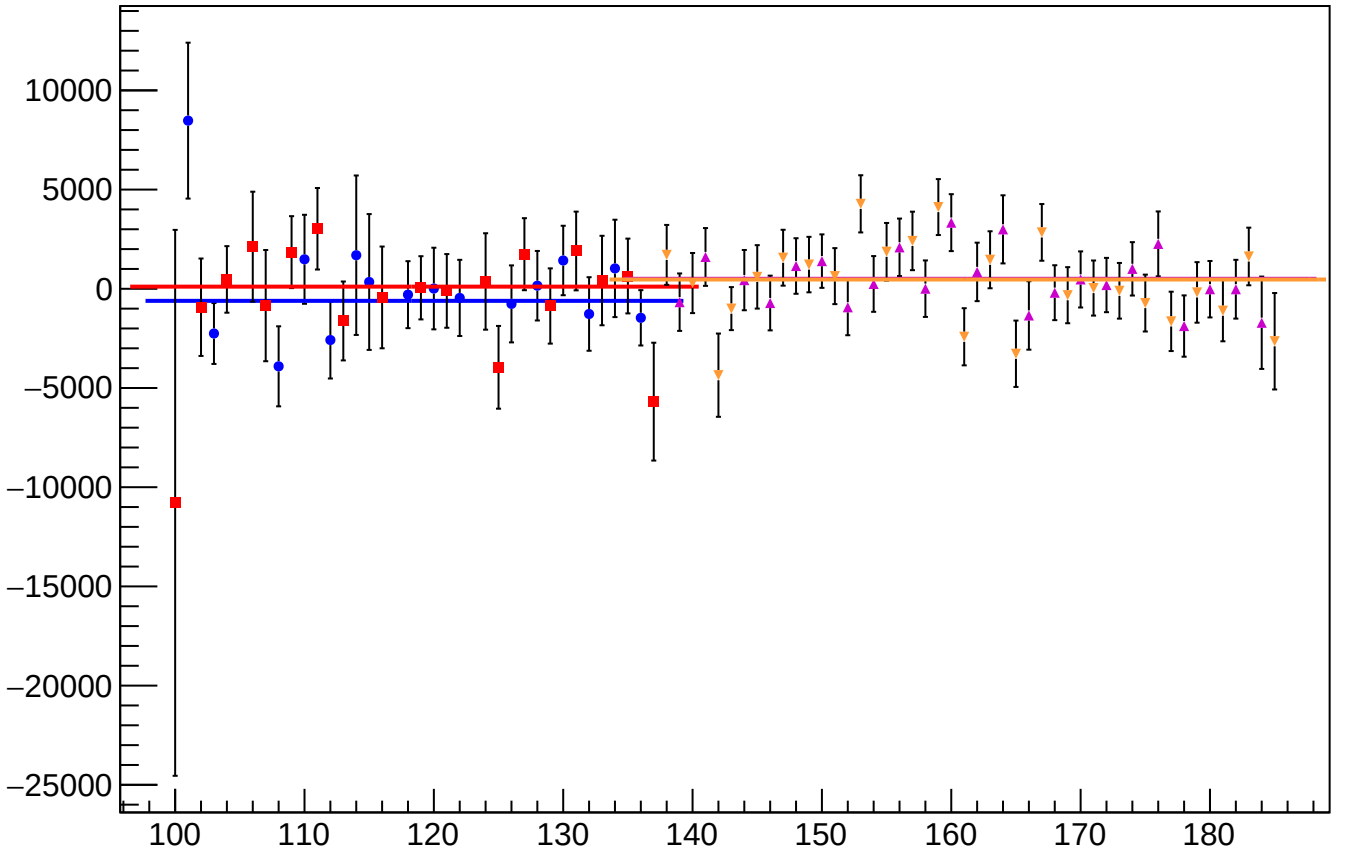
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759089.8/40

All: 3900.494+/-0.394 χ^2/NDF: 5915121.8/82

- 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: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

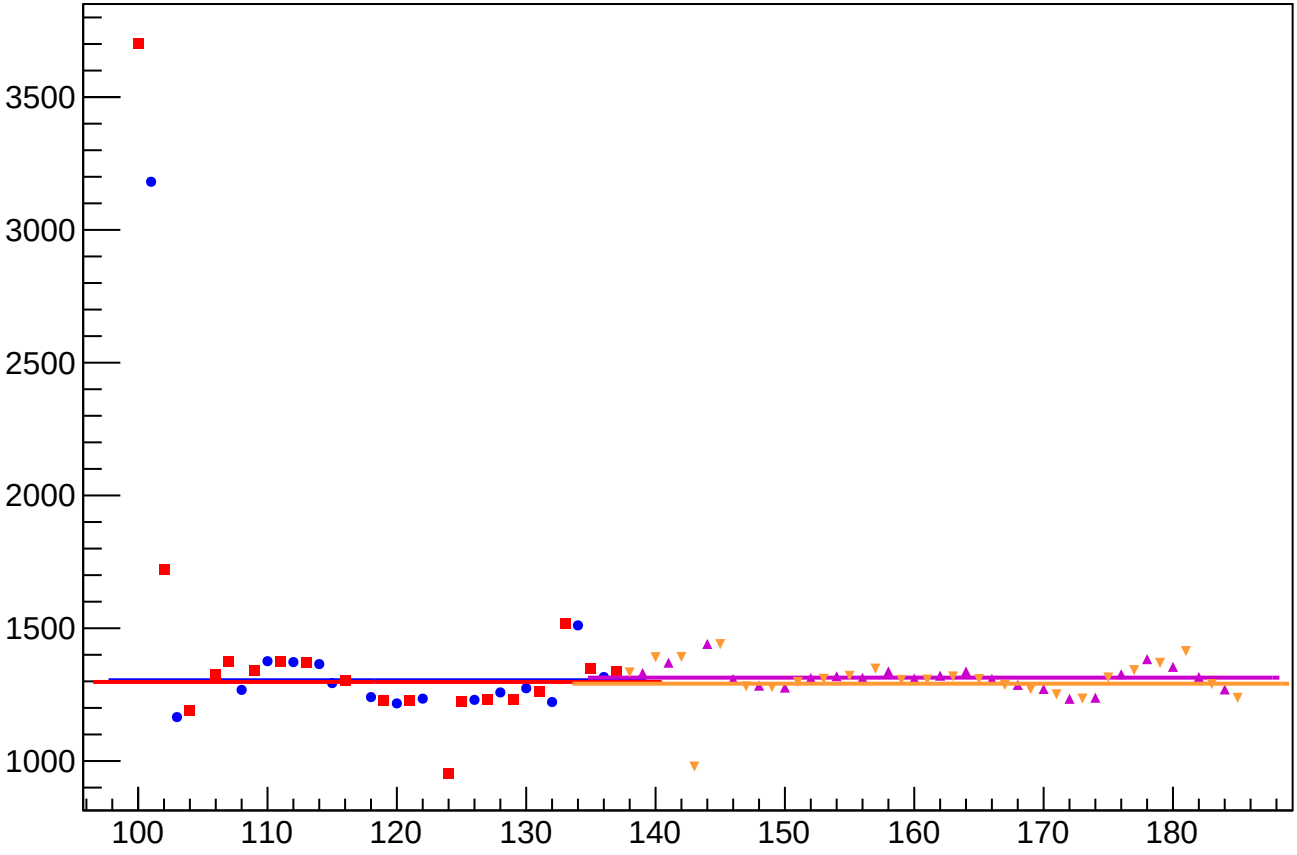
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 186.352+/-252.830 χ^2/NDF: 61.7/40

All: 285.877+/-181.096 χ^2/NDF: 94.8/82

- 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: 1291.212+/-0.208 χ^2/NDF:230737.6/24

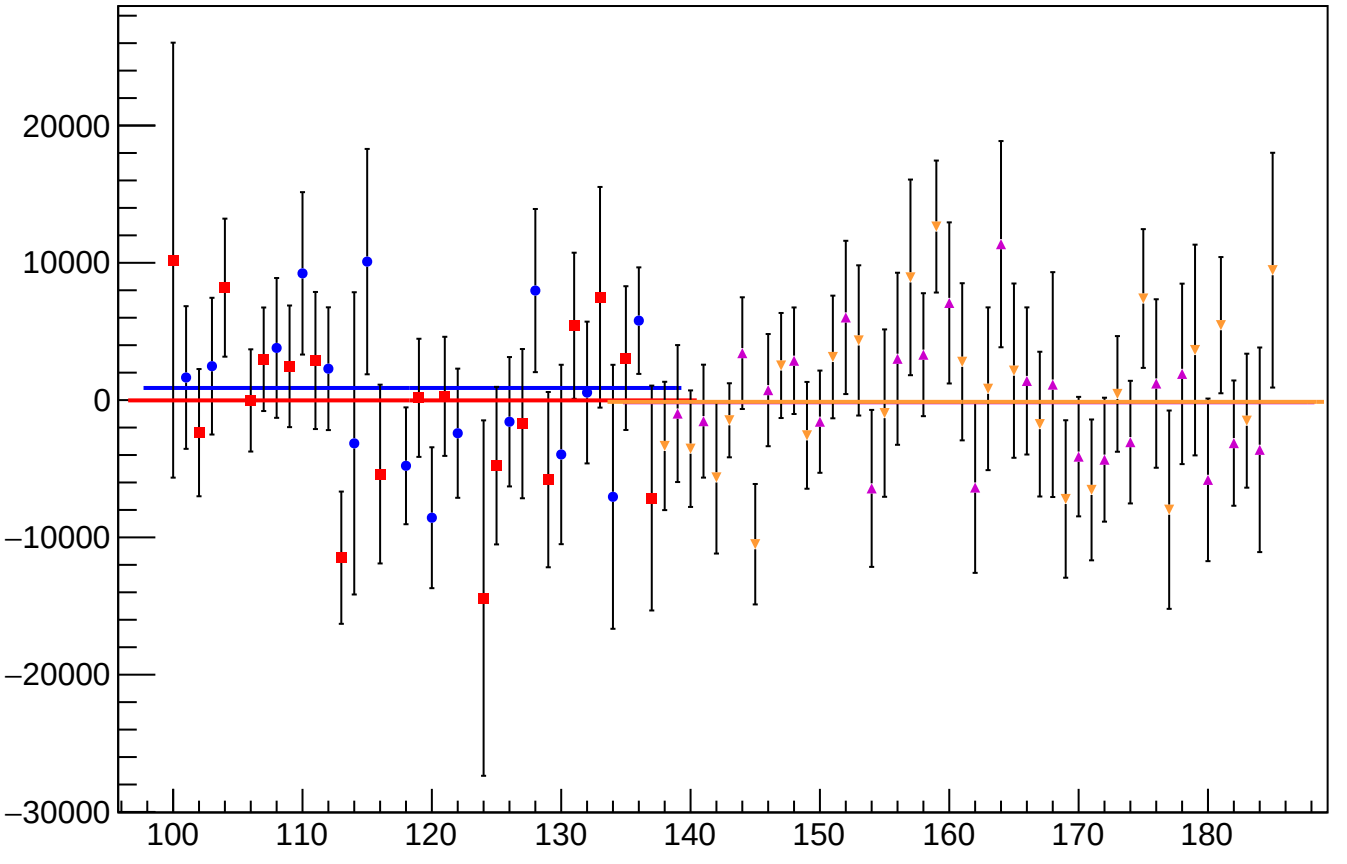
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.586+/-0.179 χ^2/NDF: 742331.8/40

All: 1301.787+/-0.128 χ^2/NDF: 1003401.0/82

- 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: -127.271+/-977.232 χ^2/NDF:28.6/24

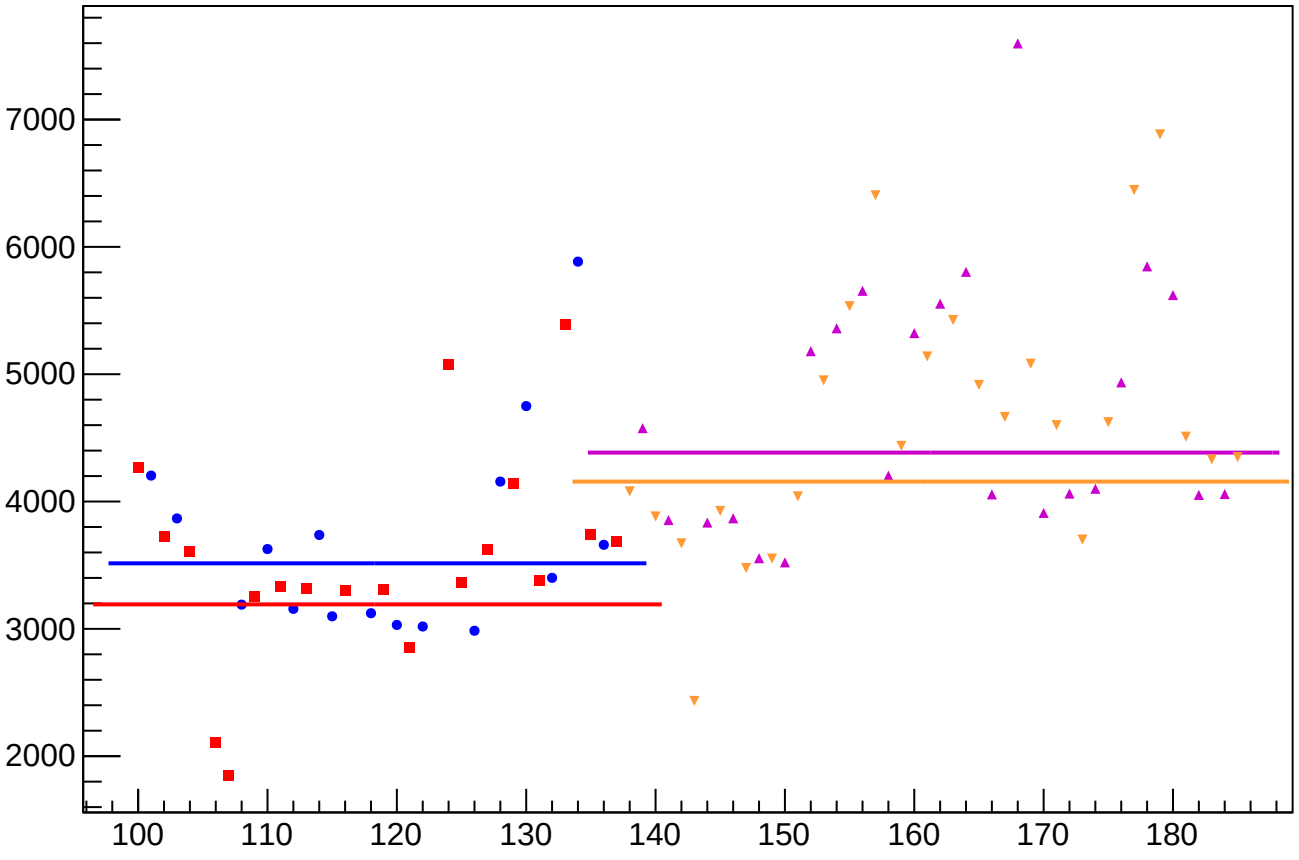
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 228.197+/-786.967 χ^2/NDF: 43.1/40

All: 64.589+/-556.937 χ^2/NDF: 73.8/82

- 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: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

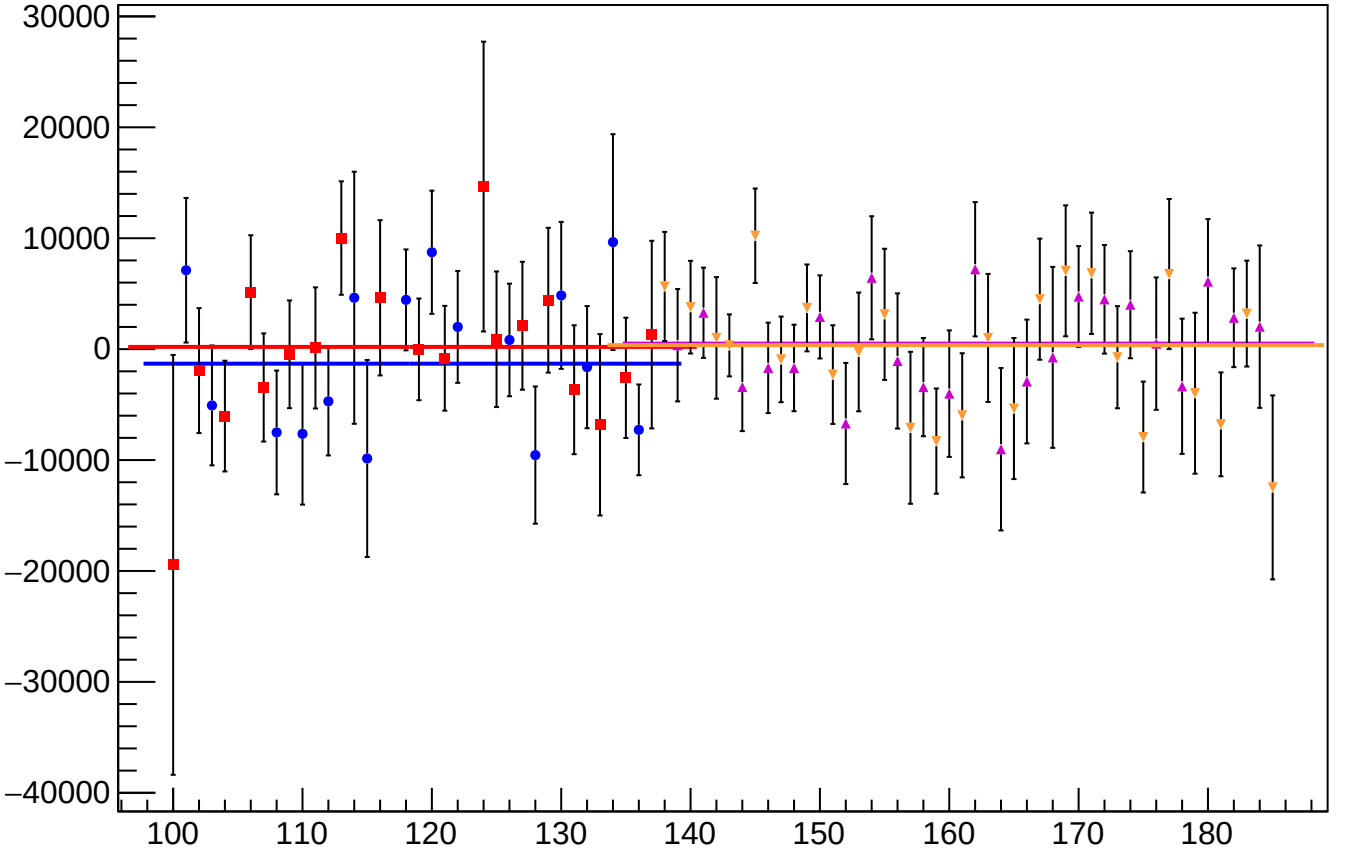
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3930.984+/-0.556 χ^2/NDF: 2759112.2/40

All: 3900.493+/-0.394 χ^2/NDF: 5915179.8/82

- sign 3869.899+/-0.557 χ^2/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: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

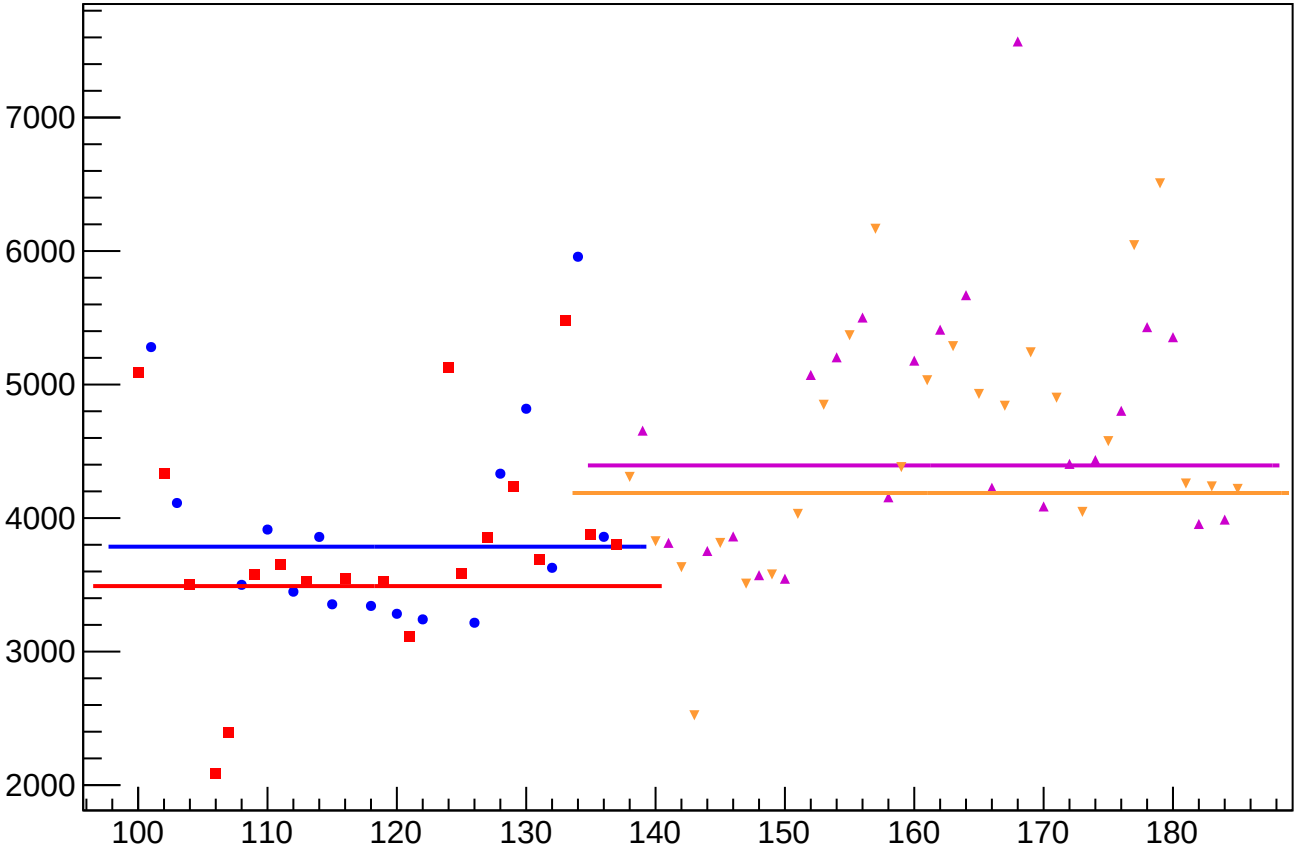
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -170.823+/-808.599 χ^2/NDF: 46.2/40

All: 102.306+/-576.784 χ^2/NDF: 71.9/82

- 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: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

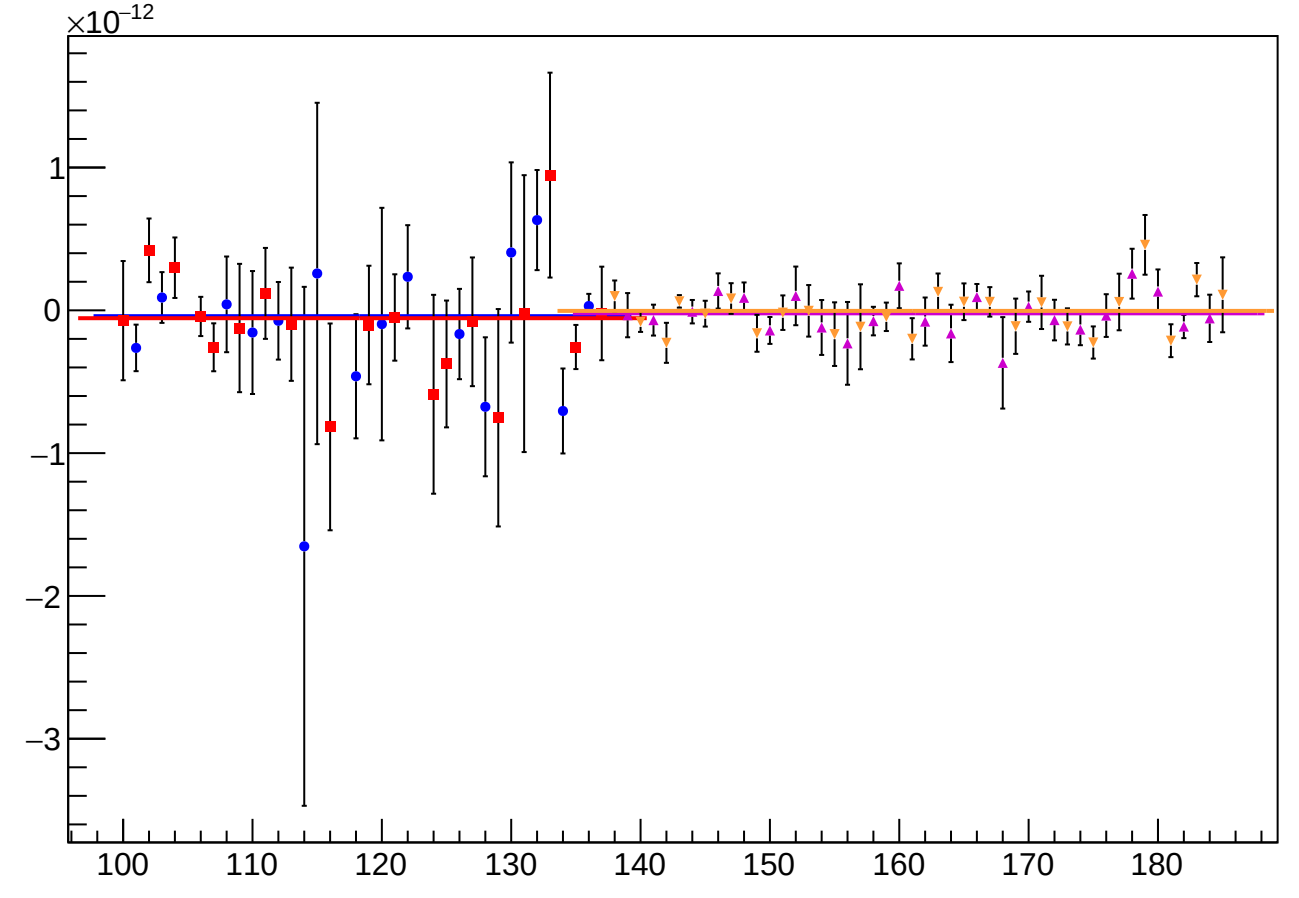
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4059.579+/-0.572 χ^2/NDF: 2286769.5/40

All: 4052.662+/-0.407 χ^2/NDF: 4539724.5/82

- 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:30.5/24

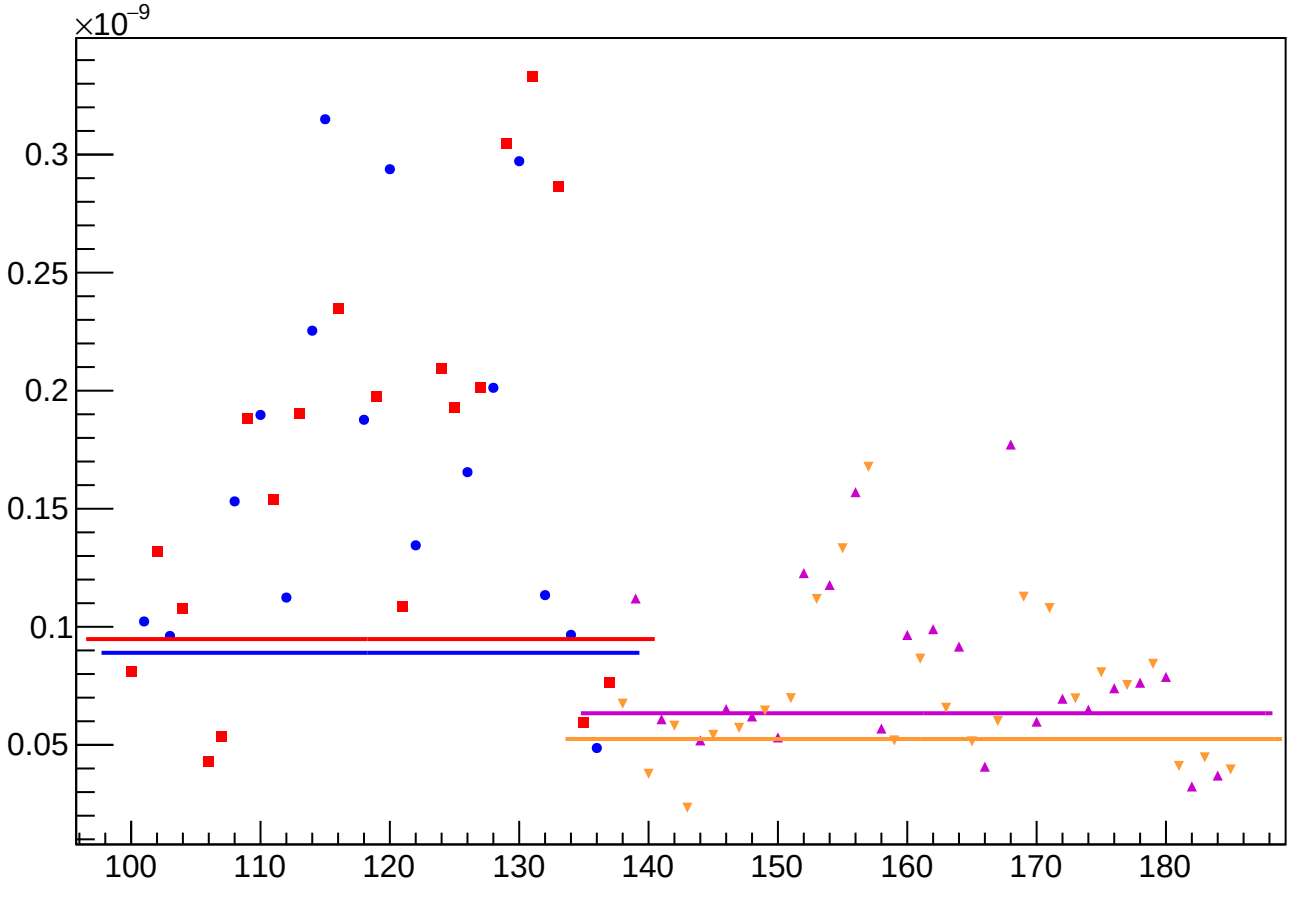
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/40

All: -0.000+/-0.000 χ^2/NDF: 80.9/82

- 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:2628519.8/24

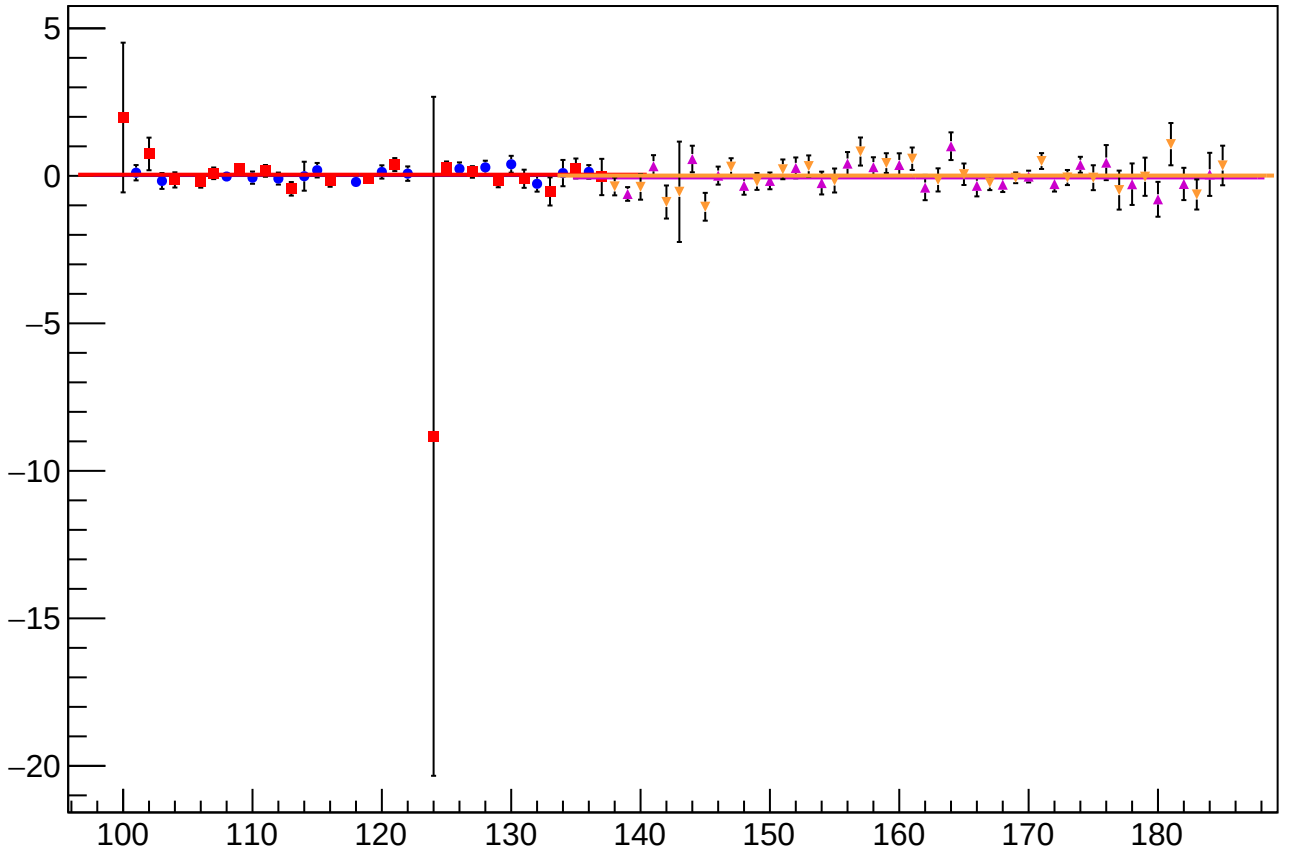
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4759267.3/40

All: 0.000+/-0.000 χ^2/NDF: 8927002.1/82

- 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: 0.009+/-0.071 χ^2/NDF:28.9/24

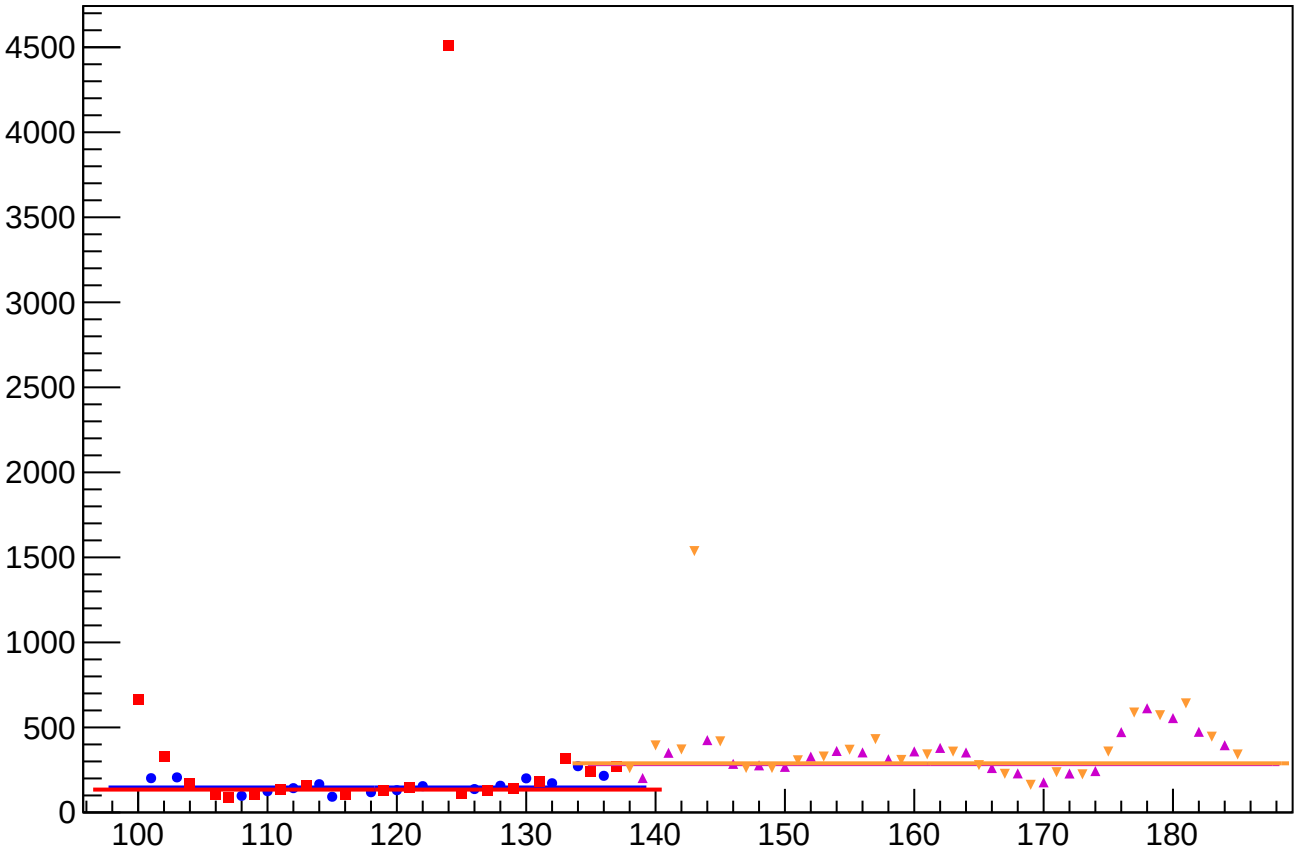
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648197.0/24

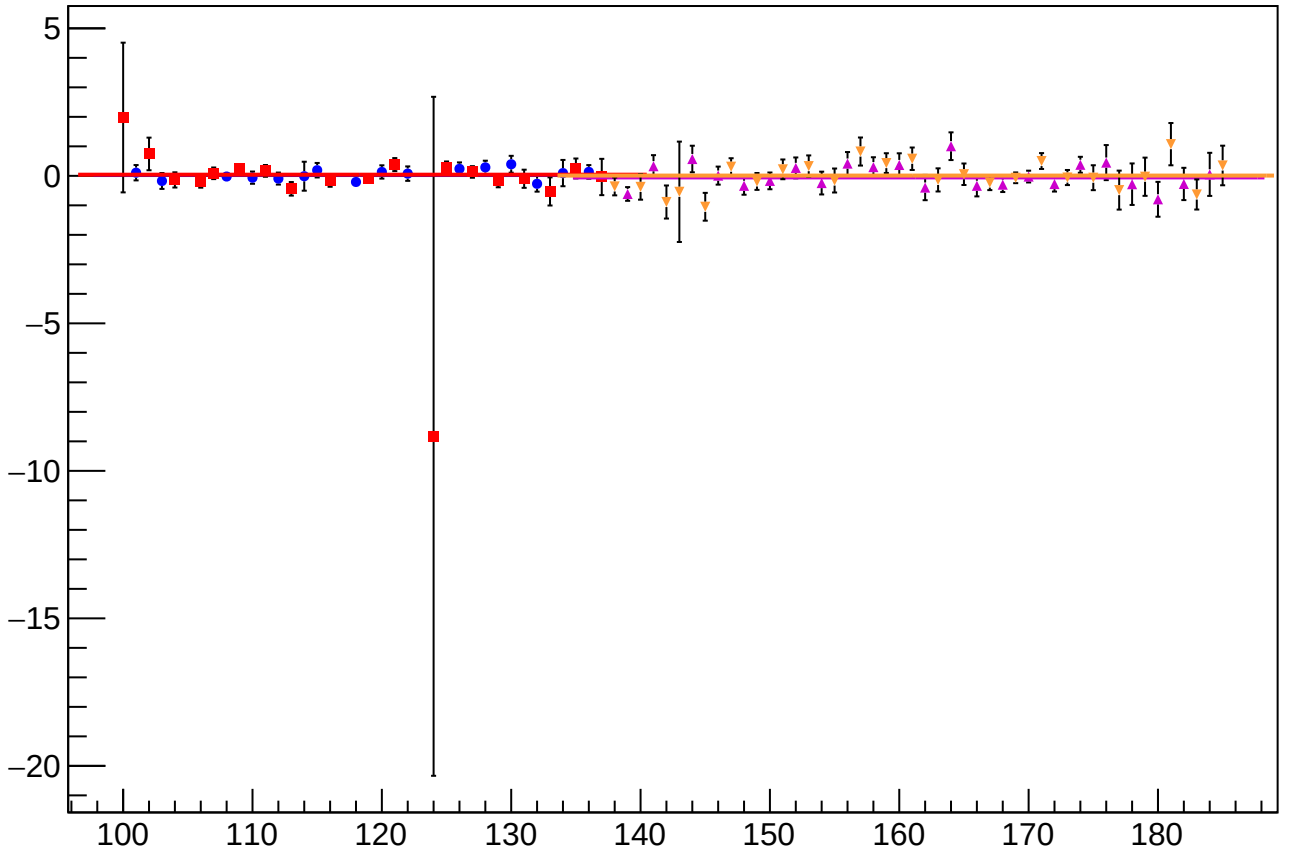
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 196.919+/-0.022 χ^2/NDF: 20862328.6/82

- 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: 0.009+/-0.071 χ^2/NDF:28.9/24

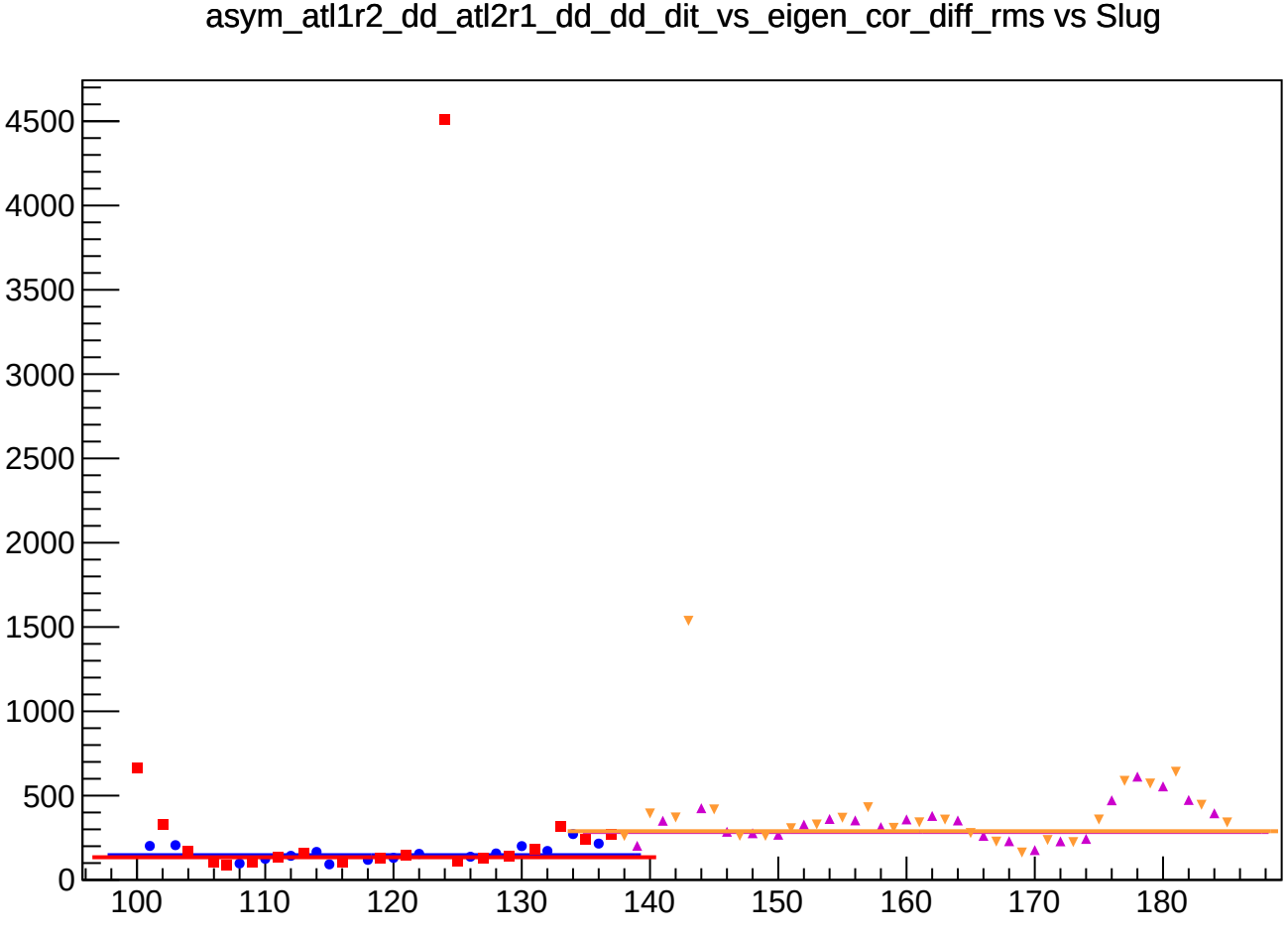
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.020+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648197.0/24

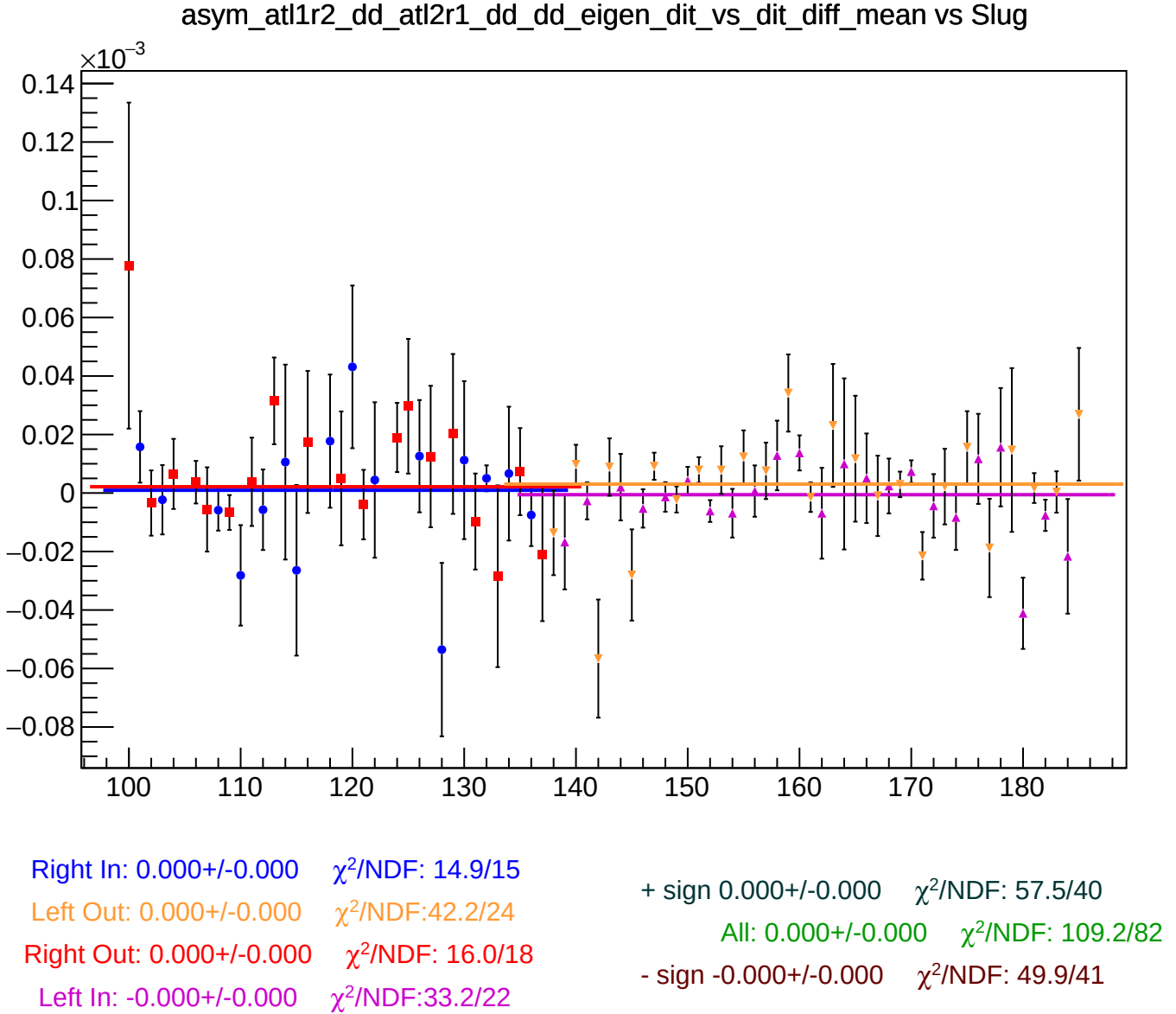
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

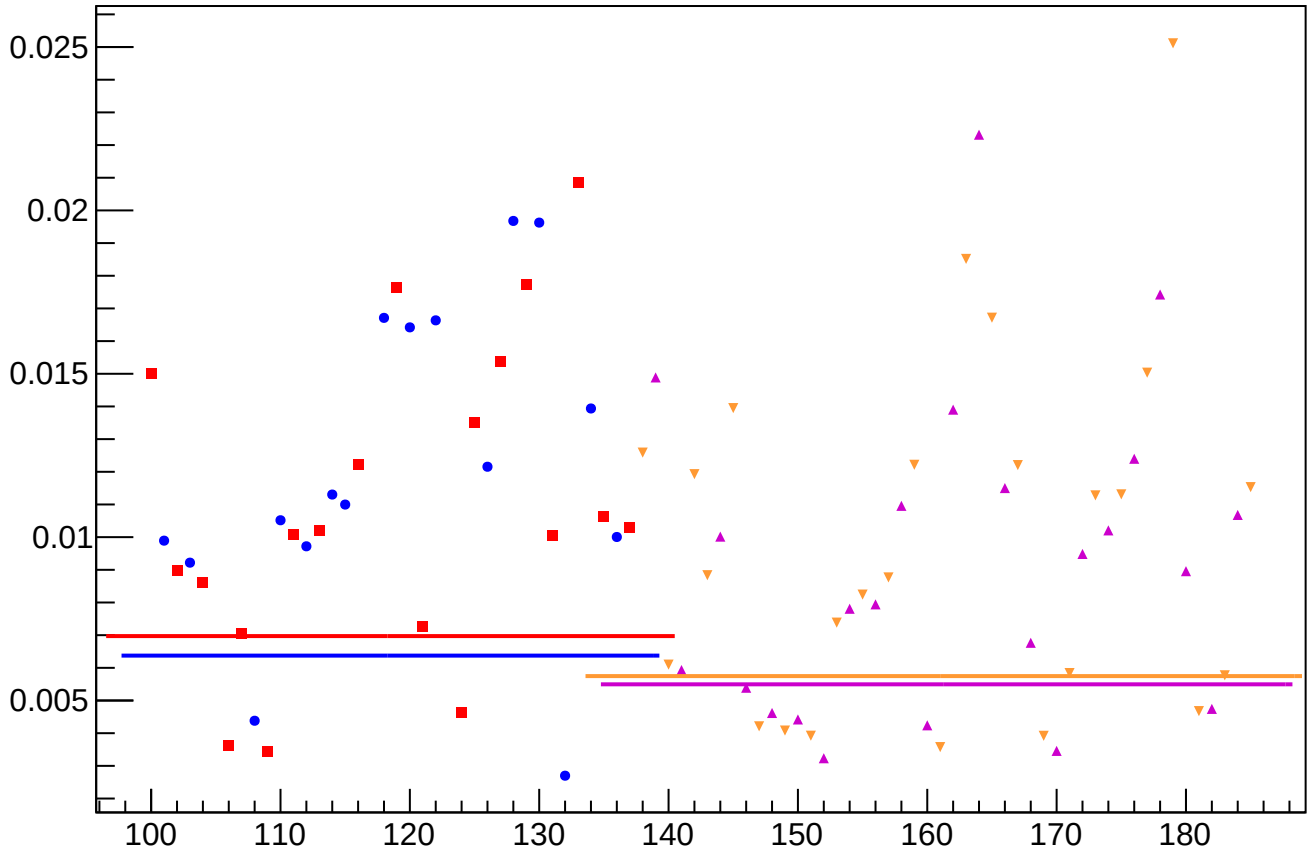
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 203.332+/-0.032 χ^2/NDF: 10469528.6/40

All: 196.919+/-0.022 χ^2/NDF: 20862328.6/82

- sign 190.942+/-0.031 χ^2/NDF: 10313563.7/41


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 57.5/40
All: 0.000+/-0.000 χ²/NDF: 109.2/82
- sign -0.000+/-0.000 χ²/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:8128513.8/24

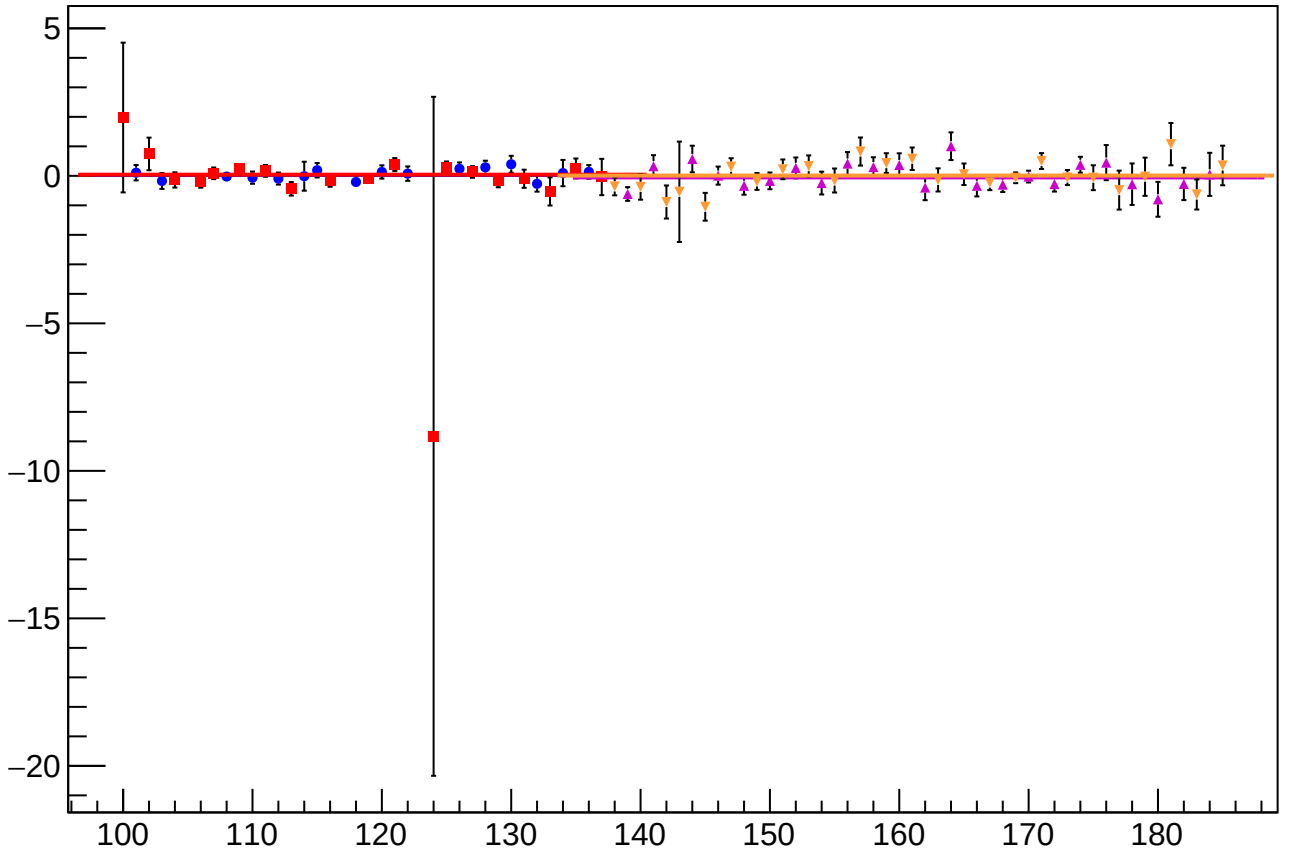
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12840534.1/40

All: 0.006+/-0.000 χ^2/NDF: 23574776.4/82

- 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: 0.009+/-0.071 χ^2/NDF:28.9/24

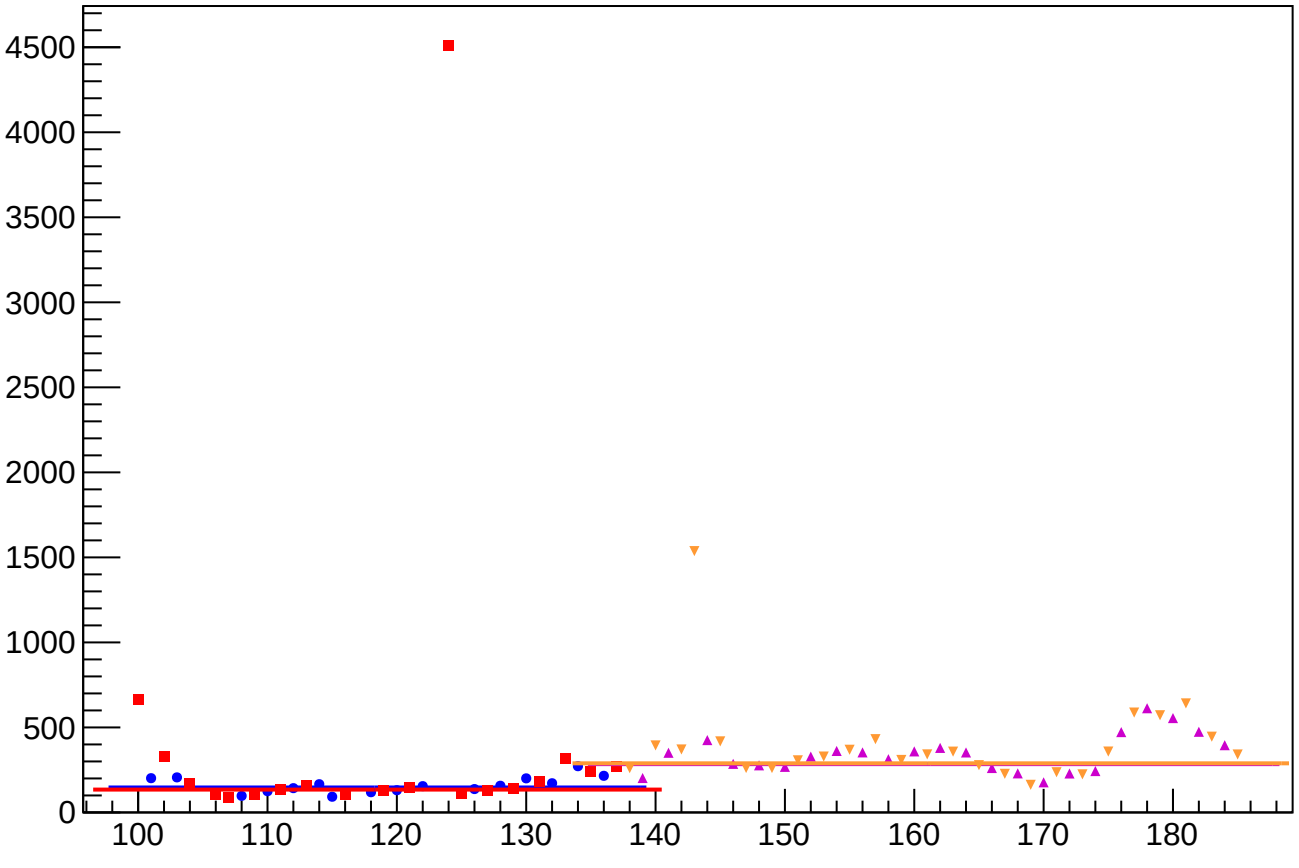
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648388.8/24

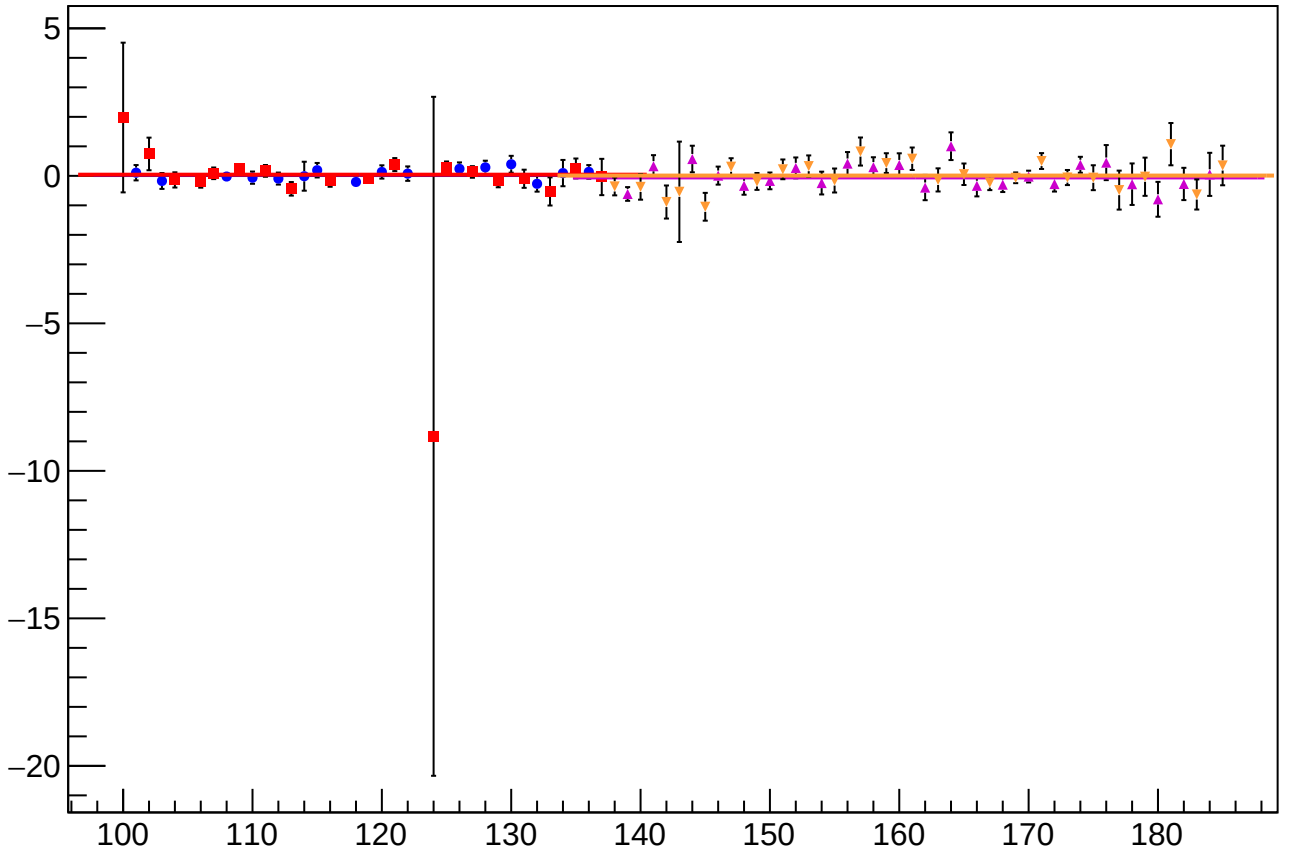
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 196.919+/-0.022 χ^2/NDF: 20862419.2/82

- sign 190.943+/-0.031 χ^2/NDF: 10313538.5/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

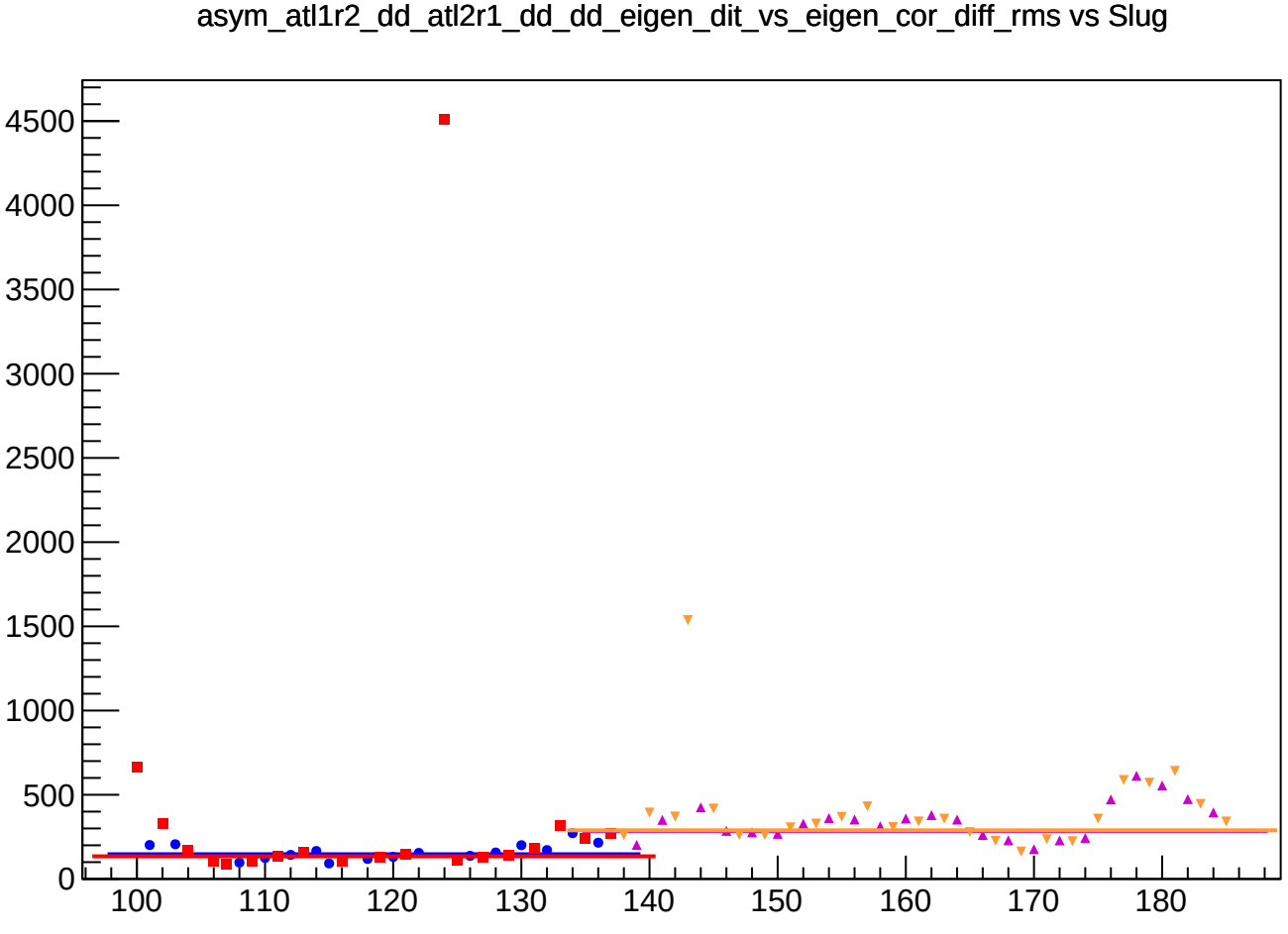
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.021+/-0.045 χ^2/NDF: 38.4/40

All: 0.012+/-0.031 χ^2/NDF: 87.3/82

- 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: 288.922+/-0.050 χ^2/NDF:4648388.8/24

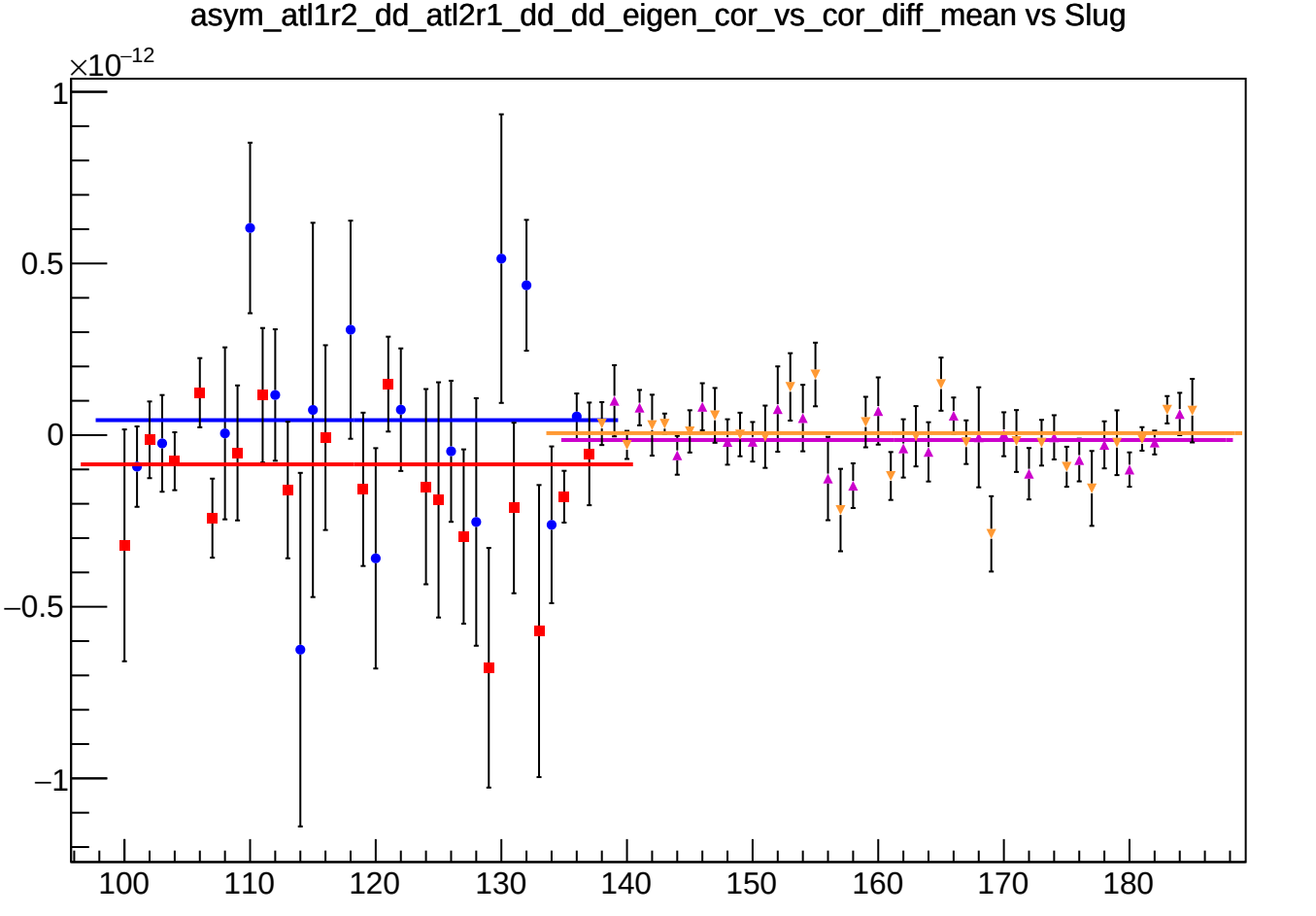
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 203.331+/-0.032 χ^2/NDF: 10469666.3/40

All: 196.919+/-0.022 χ^2/NDF: 20862419.2/82

- 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:34.1/24

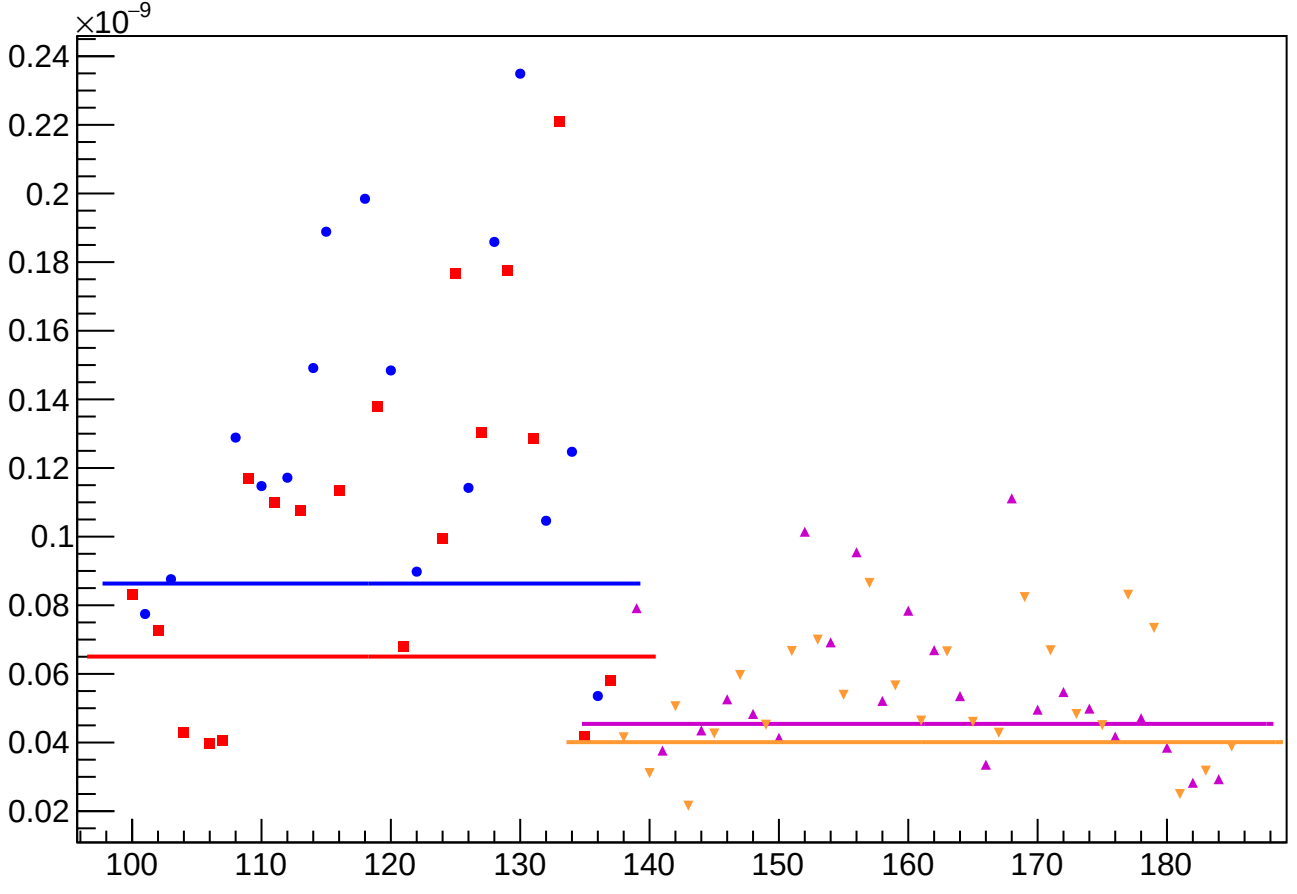
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.8/40

All: -0.000+/-0.000 χ^2/NDF: 102.5/82

- 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:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

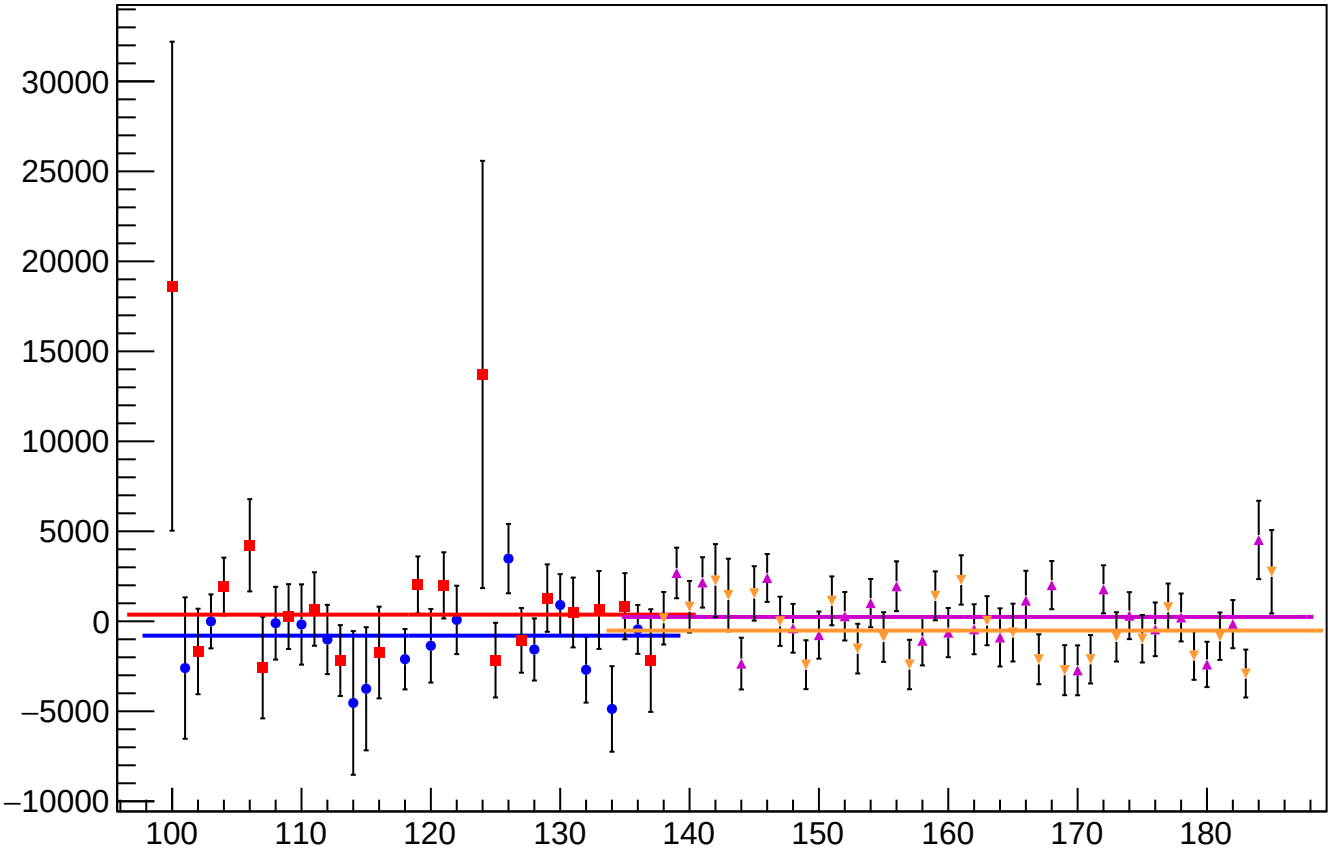
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7337001.5/40

All: 0.000+/-0.000 χ^2/NDF: 12978203.8/82

- 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: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

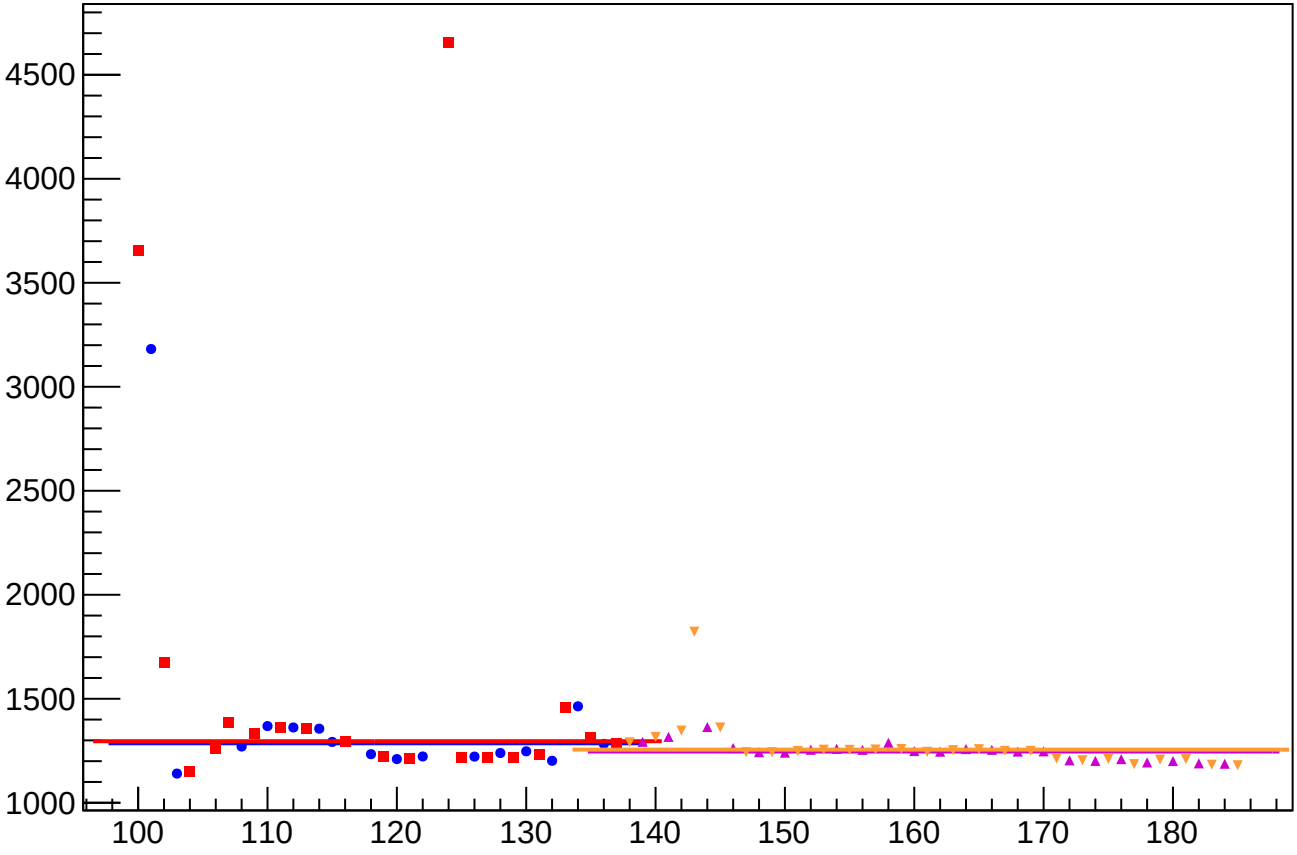
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -586.885+/-246.641 χ^2/NDF: 44.6/40

All: -160.679+/-175.489 χ^2/NDF: 98.3/82

- 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: 1255.514+/-0.202 χ^2/NDF:203124.1/24

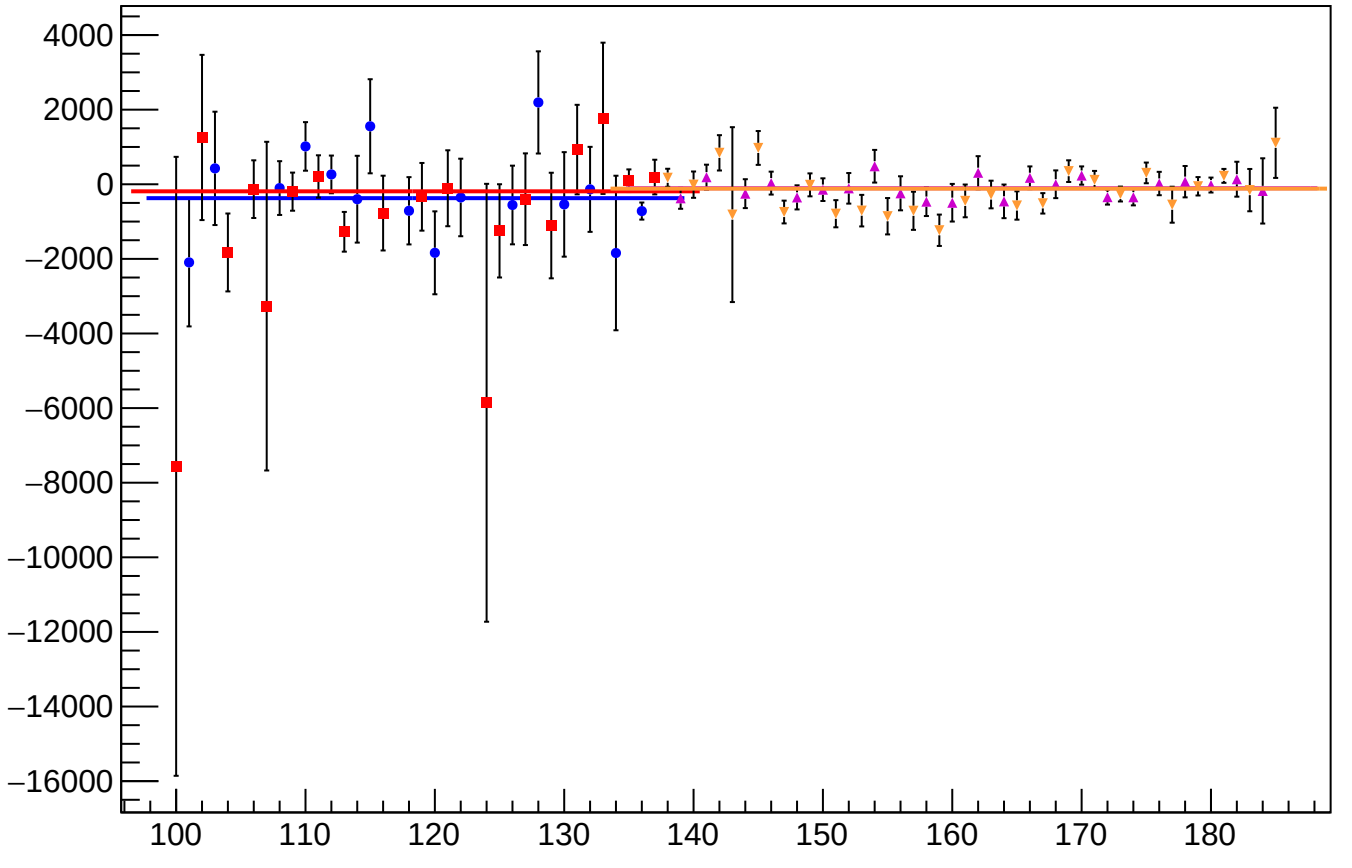
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727108.3/40

All: 1261.426+/-0.124 χ^2/NDF: 1110610.4/82

- 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: -117.028+/-65.059 χ^2/NDF:48.4/24

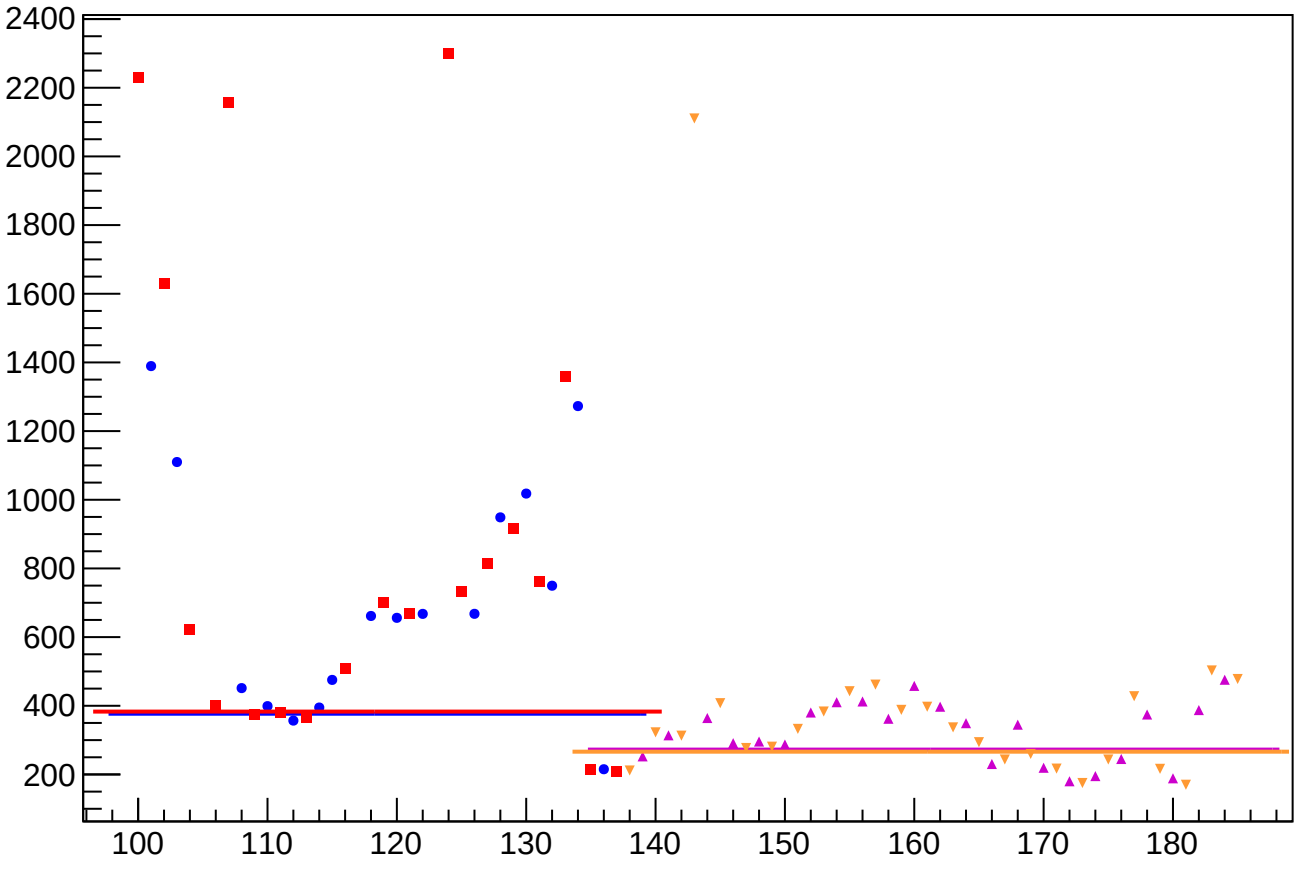
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -150.251+/-60.678 χ^2/NDF: 68.6/40

All: -134.730+/-43.473 χ^2/NDF: 97.3/82

- 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: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

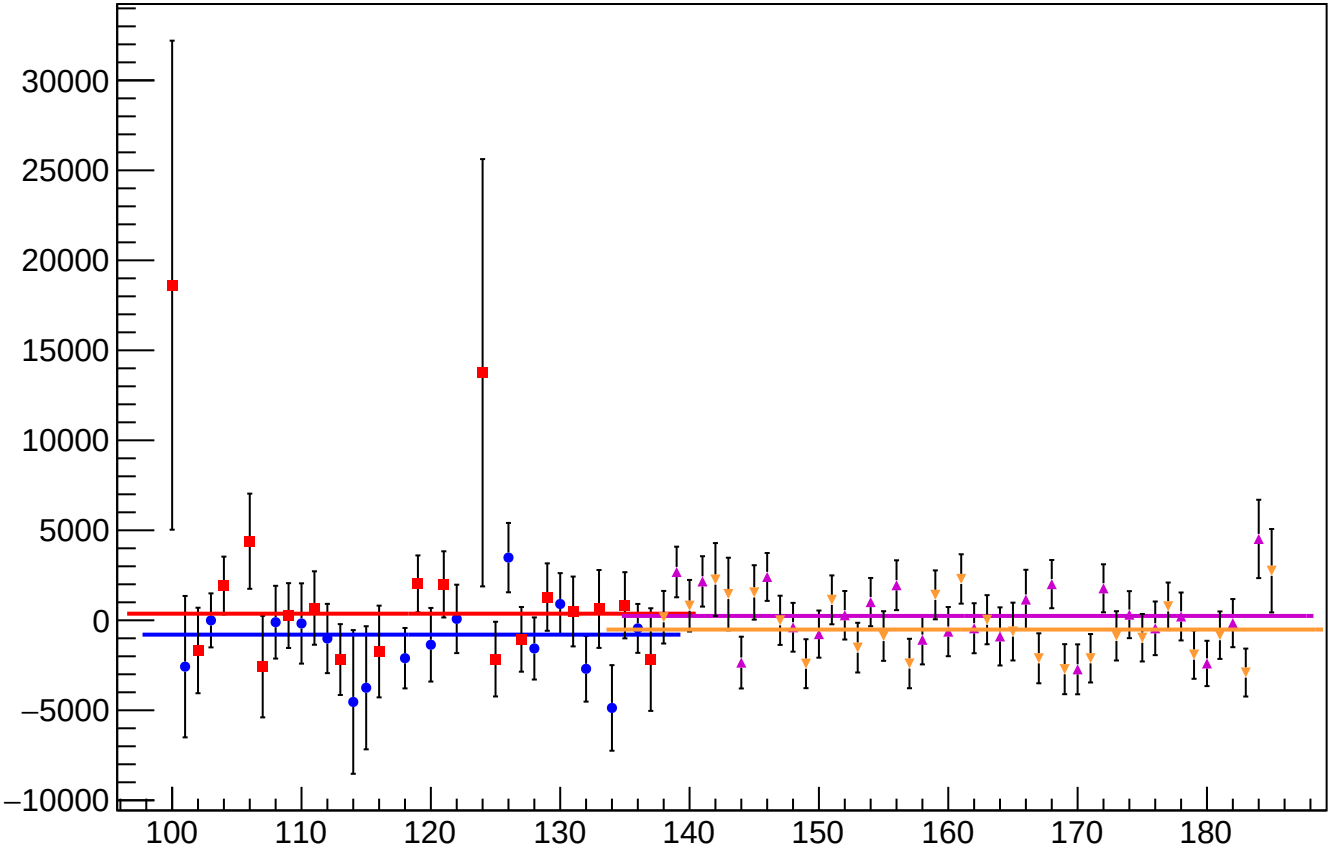
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 280.710+/-0.043 χ^2/NDF: 9572120.5/40

All: 283.926+/-0.031 χ^2/NDF: 17262909.3/82

- 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: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

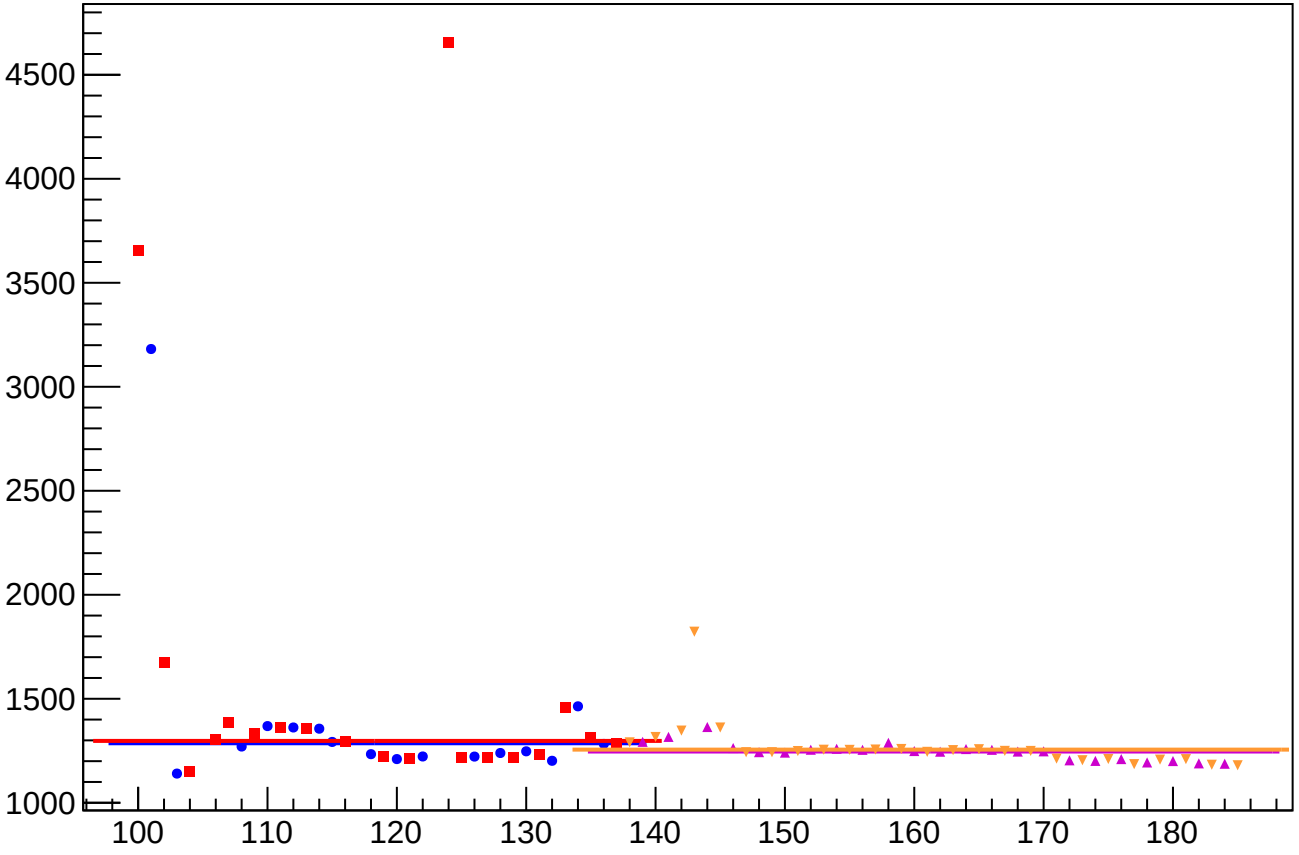
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -586.742+/-246.641 χ^2/NDF: 44.6/40

All: -161.093+/-175.514 χ^2/NDF: 98.4/82

- 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: 1255.514+/-0.202 χ^2/NDF:203124.0/24

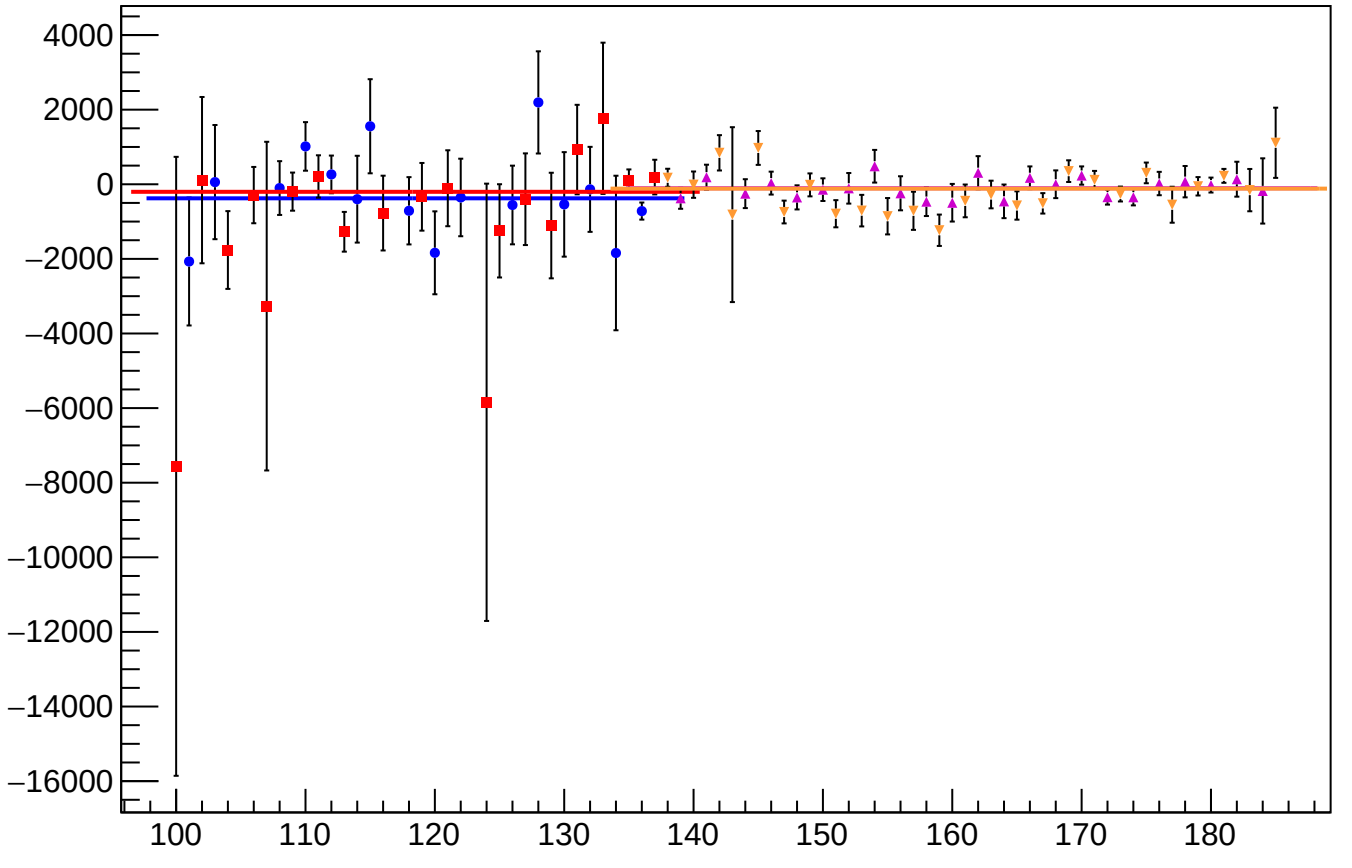
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727109.6/40

All: 1261.605+/-0.124 χ^2/NDF: 1111124.6/82

- 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: -117.002+/-65.060 χ^2/NDF:48.4/24

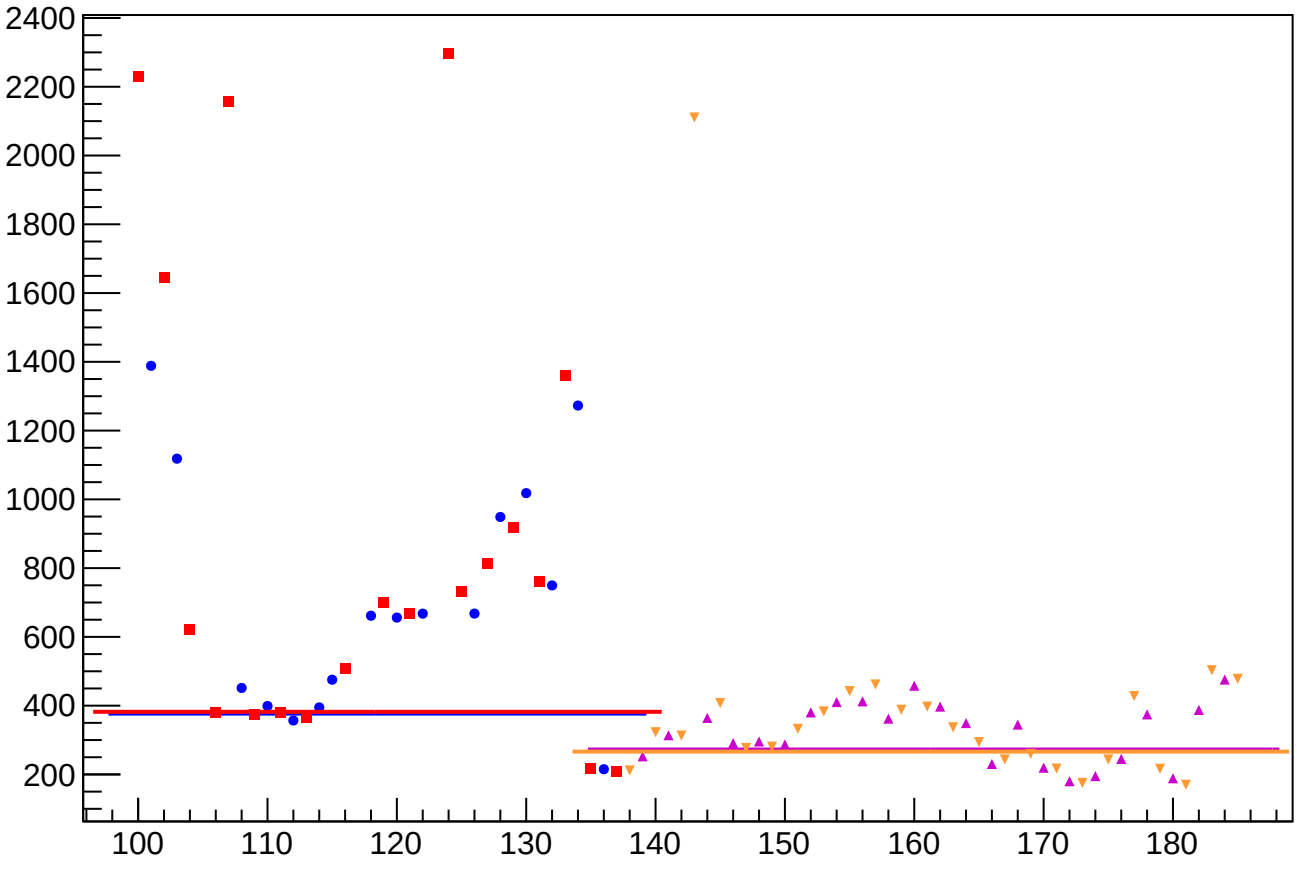
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -150.801+/-60.680 χ^2/NDF: 68.5/40

All: -135.939+/-43.470 χ^2/NDF: 96.6/82

- 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: 266.326+/-0.046 χ^2/NDF:4630167.4/24

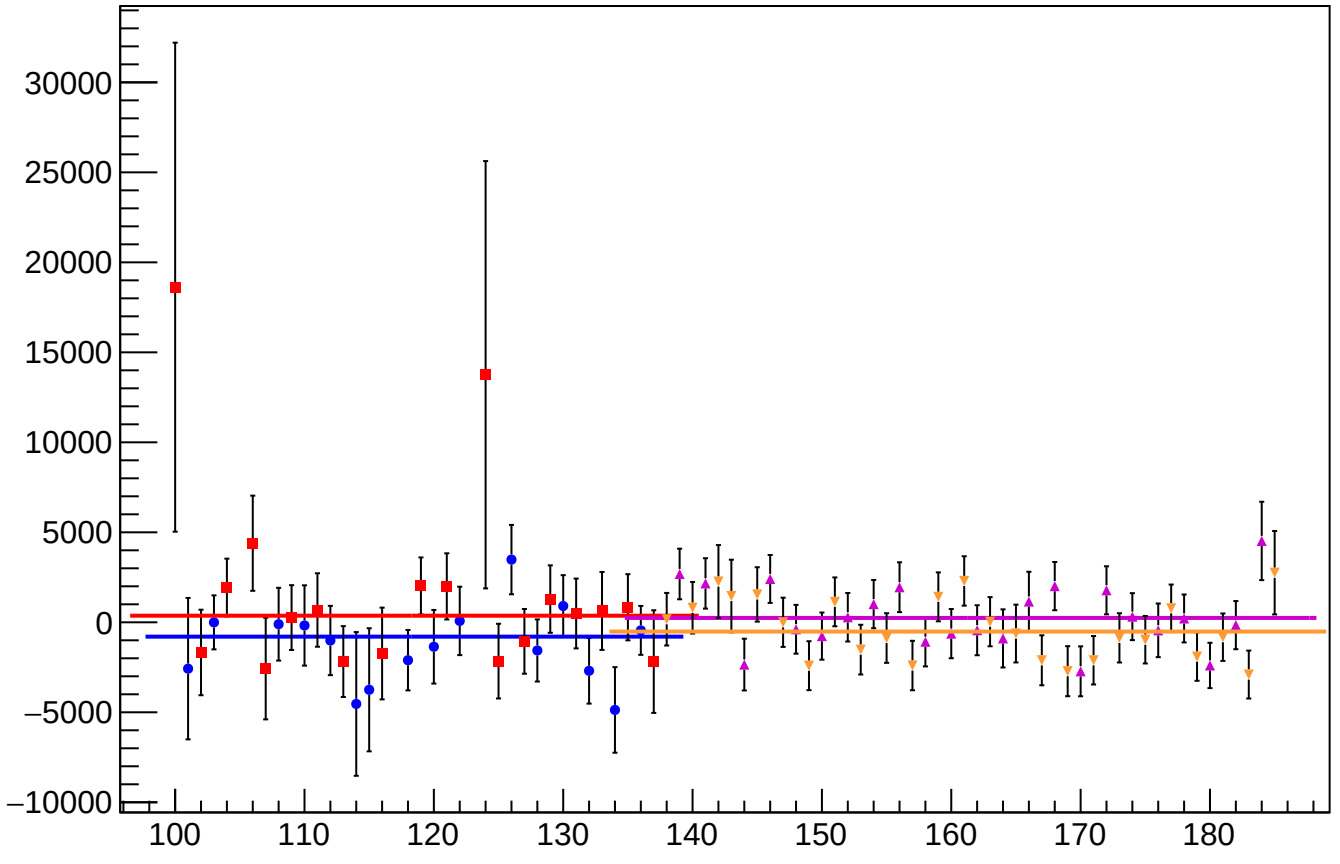
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 280.711+/-0.043 χ^2/NDF: 9574940.3/40

All: 283.884+/-0.031 χ^2/NDF: 17259567.6/82

- 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: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

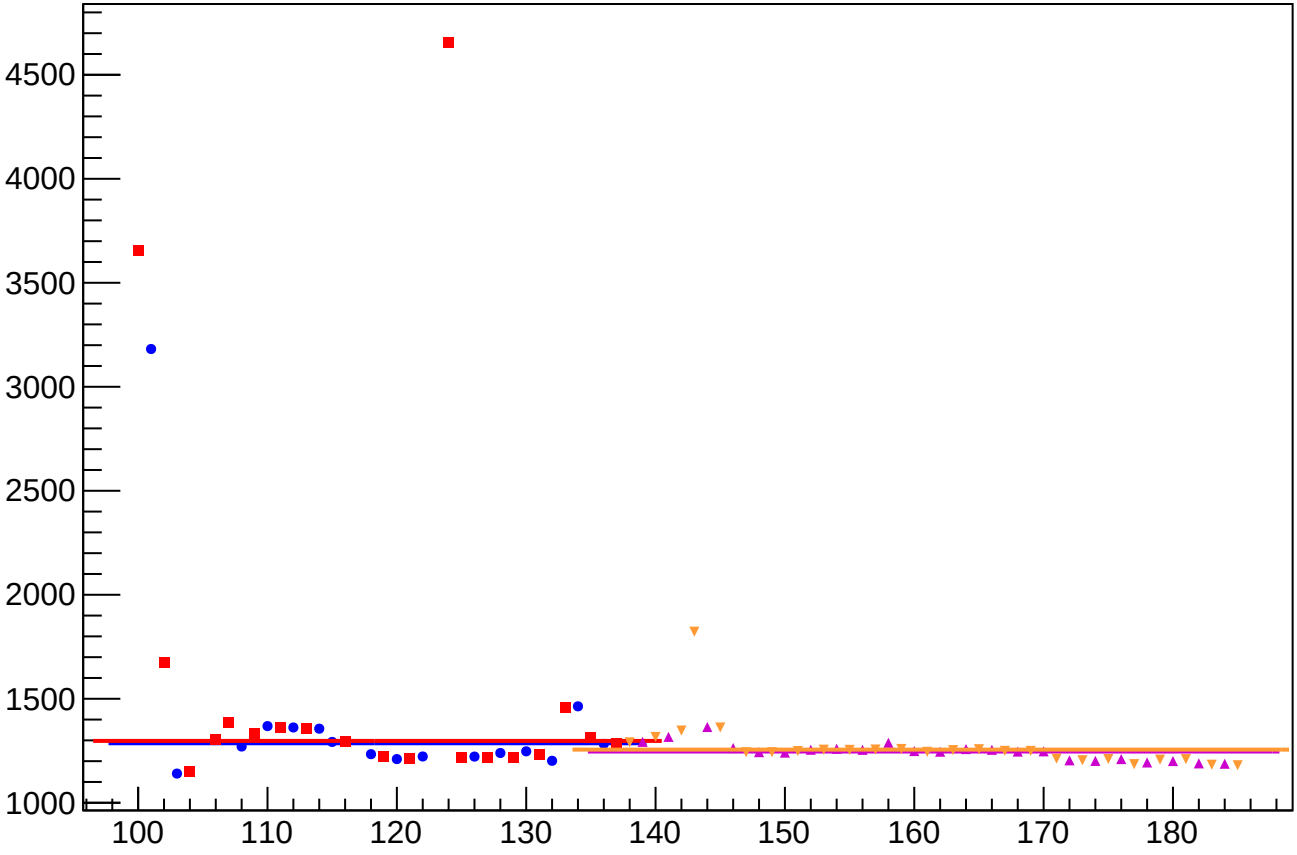
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -586.742+/-246.641 χ^2/NDF: 44.6/40

All: -161.093+/-175.514 χ^2/NDF: 98.4/82

- 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: 1255.514+/-0.202 χ^2/NDF:203124.0/24

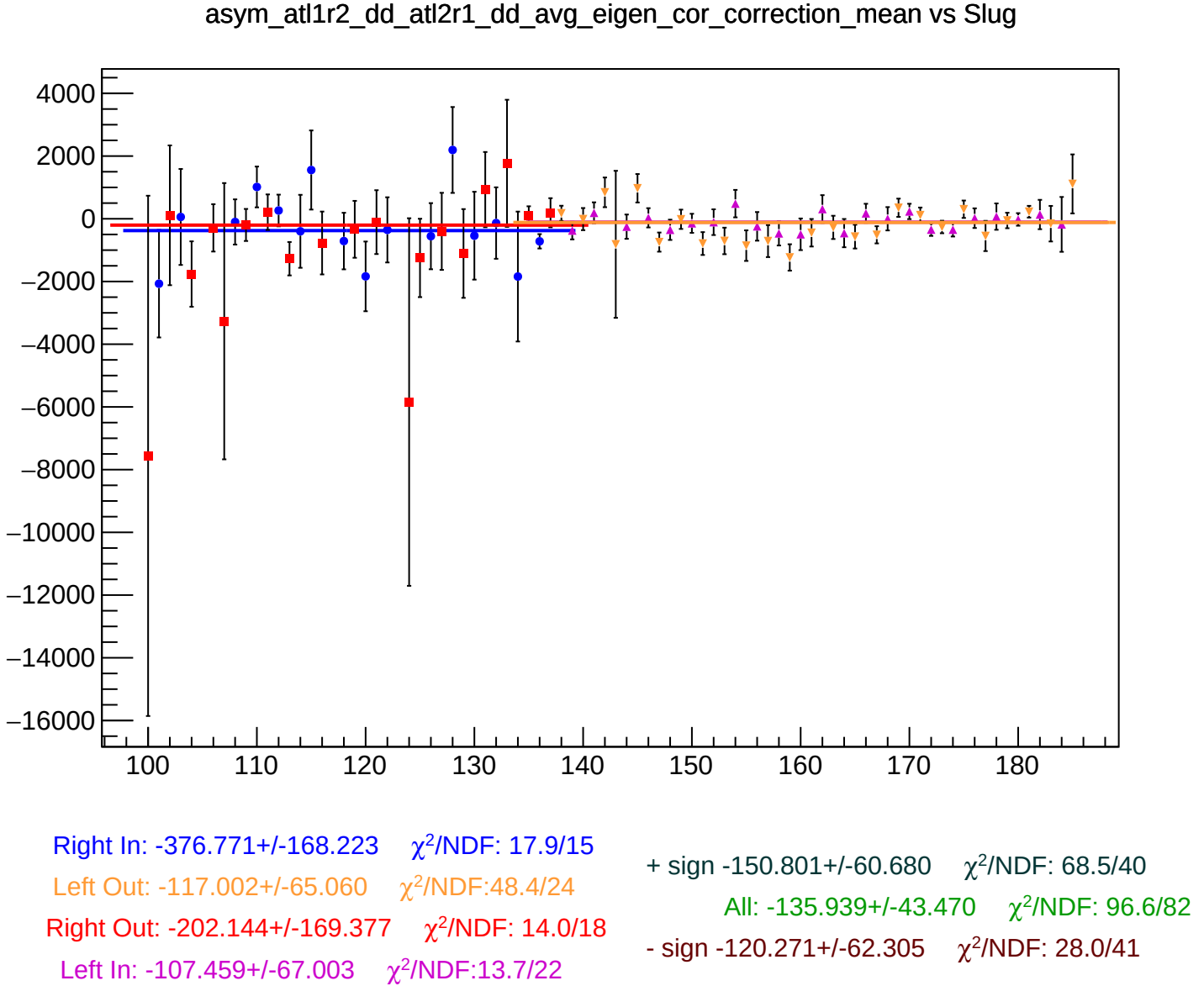
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.344+/-0.174 χ^2/NDF: 727109.6/40

All: 1261.605+/-0.124 χ^2/NDF: 1111124.6/82

- sign 1259.821+/-0.177 χ^2/NDF: 383813.6/41


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
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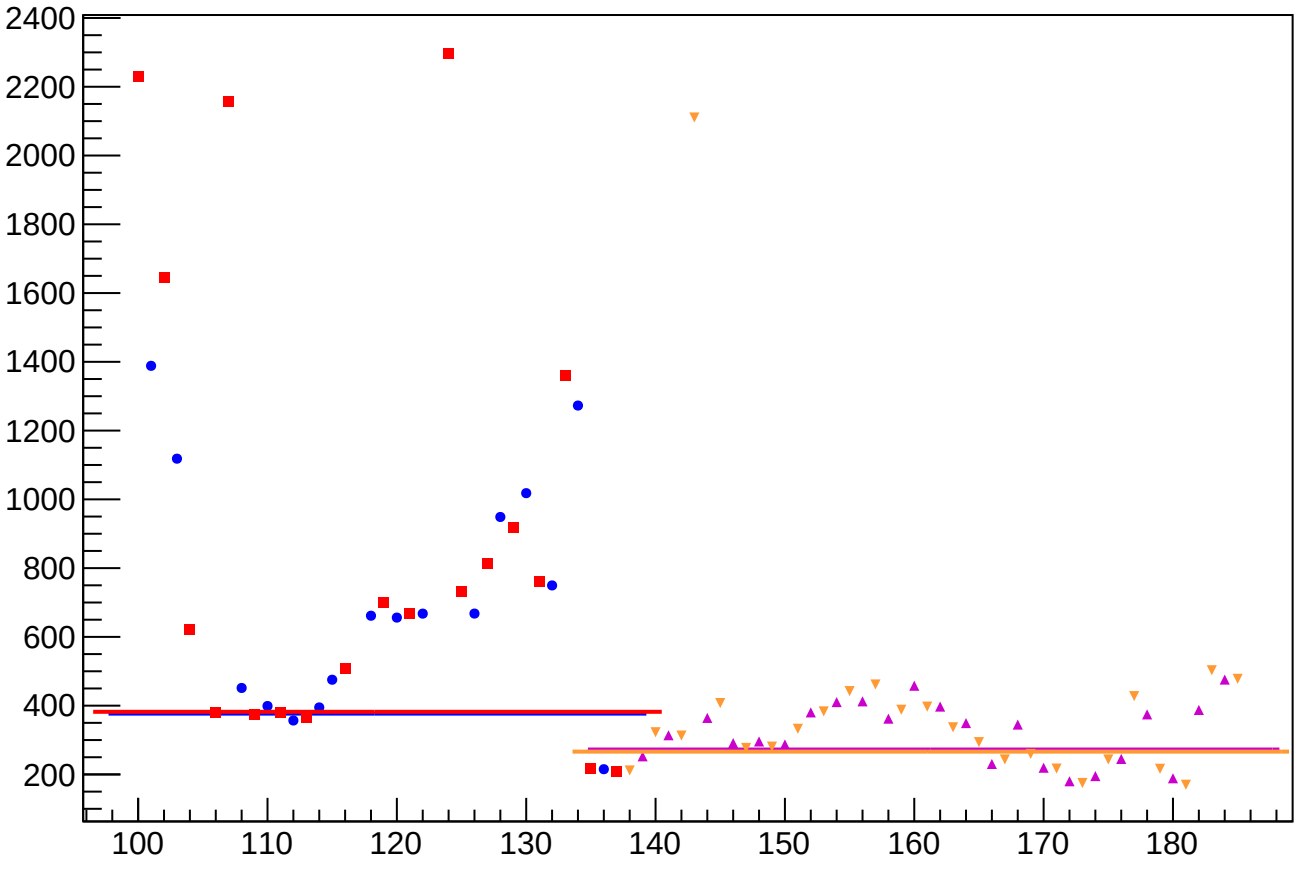
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
170
180
Right In: -376.771+/-168.223 χ²/NDF: 17.9/15
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -202.144+/-169.377 χ²/NDF: 14.0/18
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -150.801+/-60.680 χ²/NDF: 68.5/40
All: -135.939+/-43.470 χ²/NDF: 96.6/82
- sign -120.271+/-62.305 χ²/NDF: 28.0/41



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

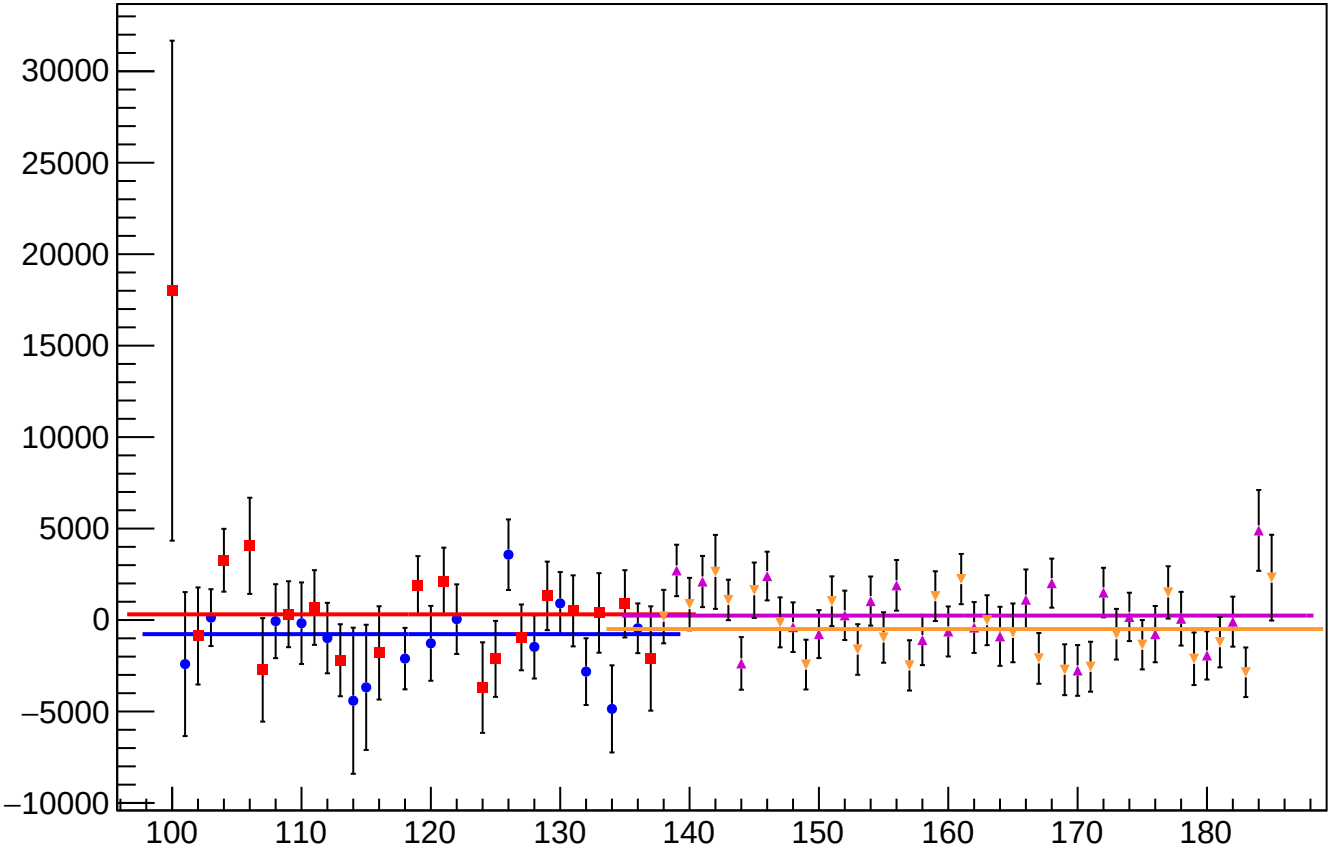
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 280.711+/-0.043 χ^2/NDF: 9574940.3/40

All: 283.884+/-0.031 χ^2/NDF: 17259567.6/82

- 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: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

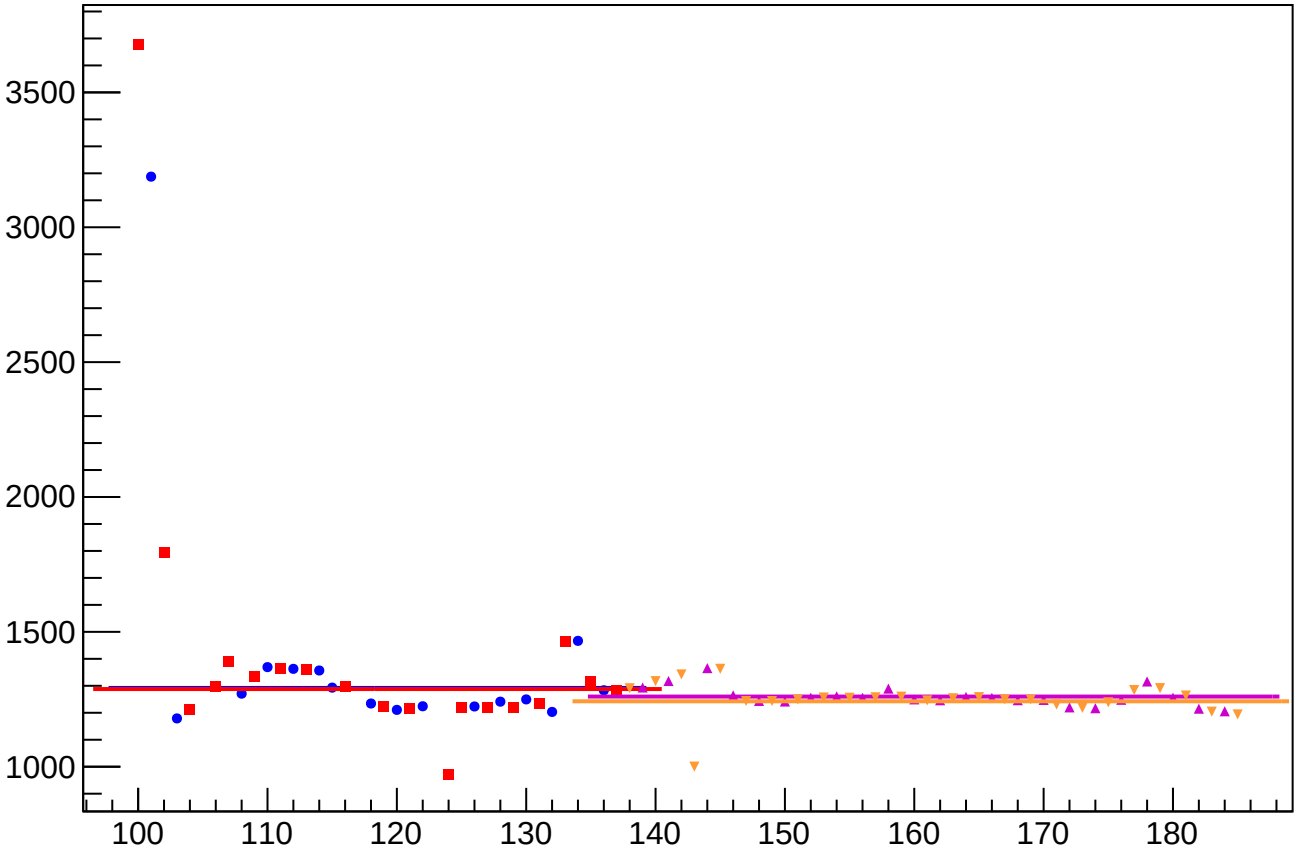
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -562.975+/-244.841 χ^2/NDF: 48.1/40

All: -161.791+/-175.366 χ^2/NDF: 102.2/82

- 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: 1242.539+/-0.200 χ^2/NDF:130023.1/24

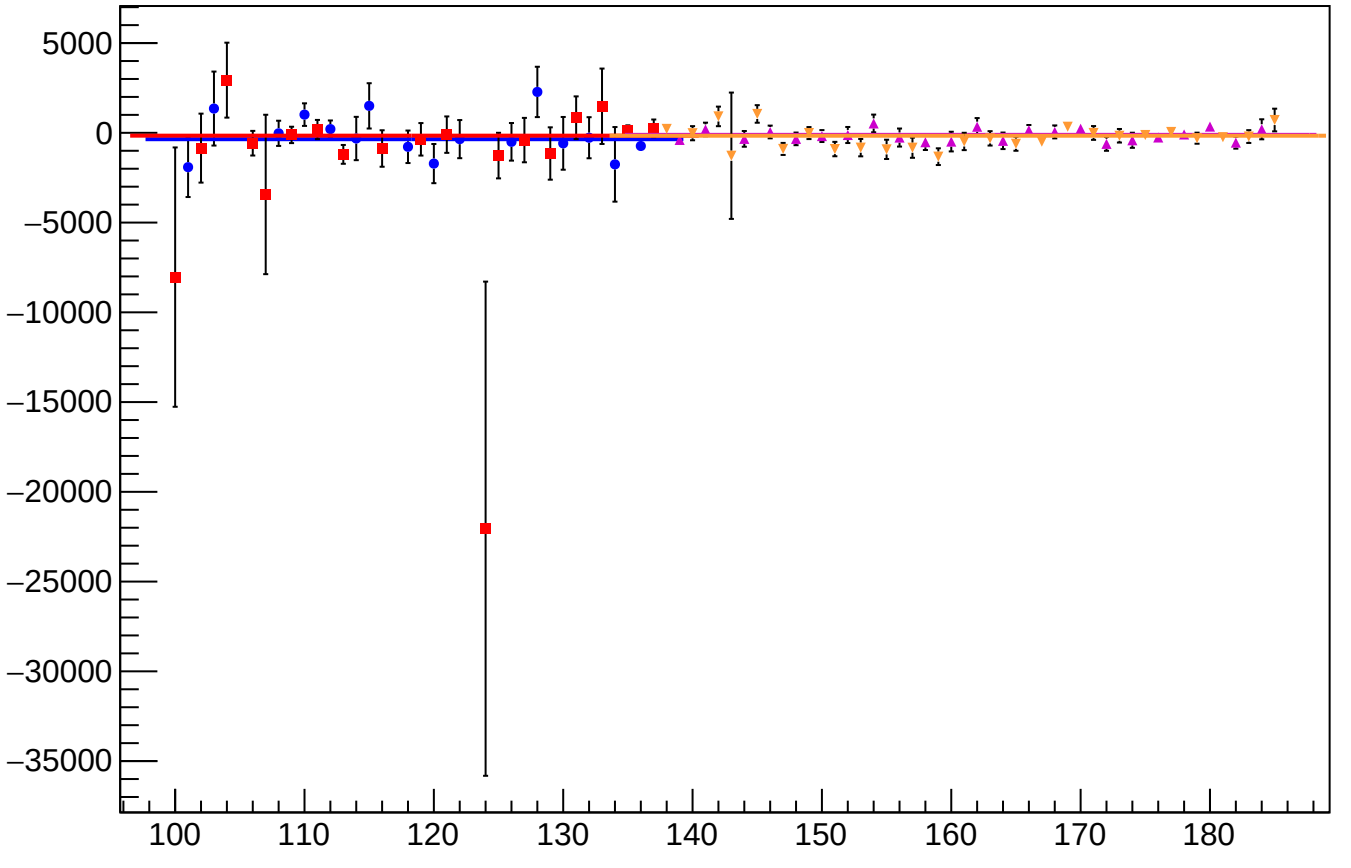
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1254.918+/-0.173 χ^2/NDF: 654759.4/40

All: 1261.121+/-0.124 χ^2/NDF: 899406.0/82

- 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: -160.930+/-64.133 χ^2/NDF:43.8/24

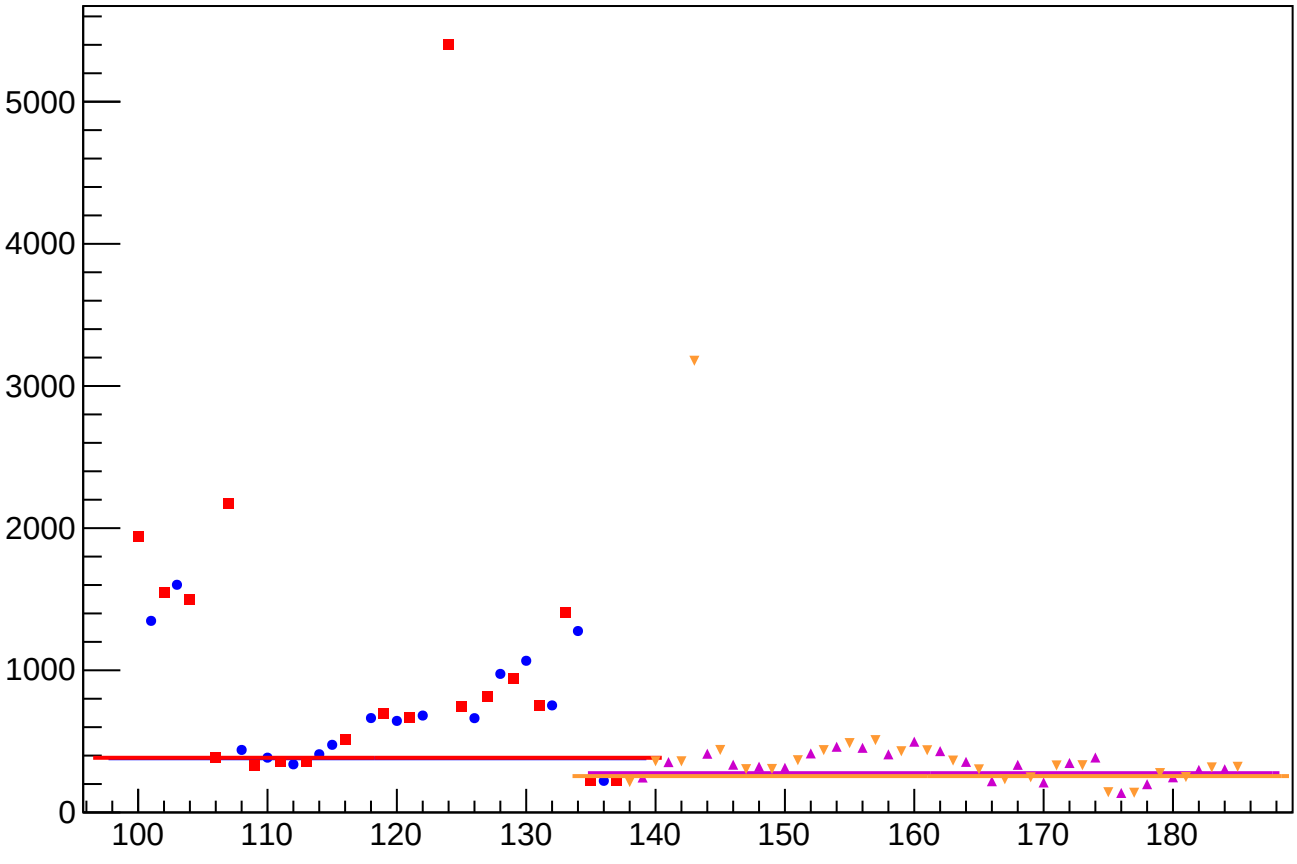
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.144+/-60.003 χ^2/NDF: 63.3/40

All: -154.548+/-43.706 χ^2/NDF: 98.0/82

- 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: 255.768+/-0.045 χ^2/NDF:6373929.4/24

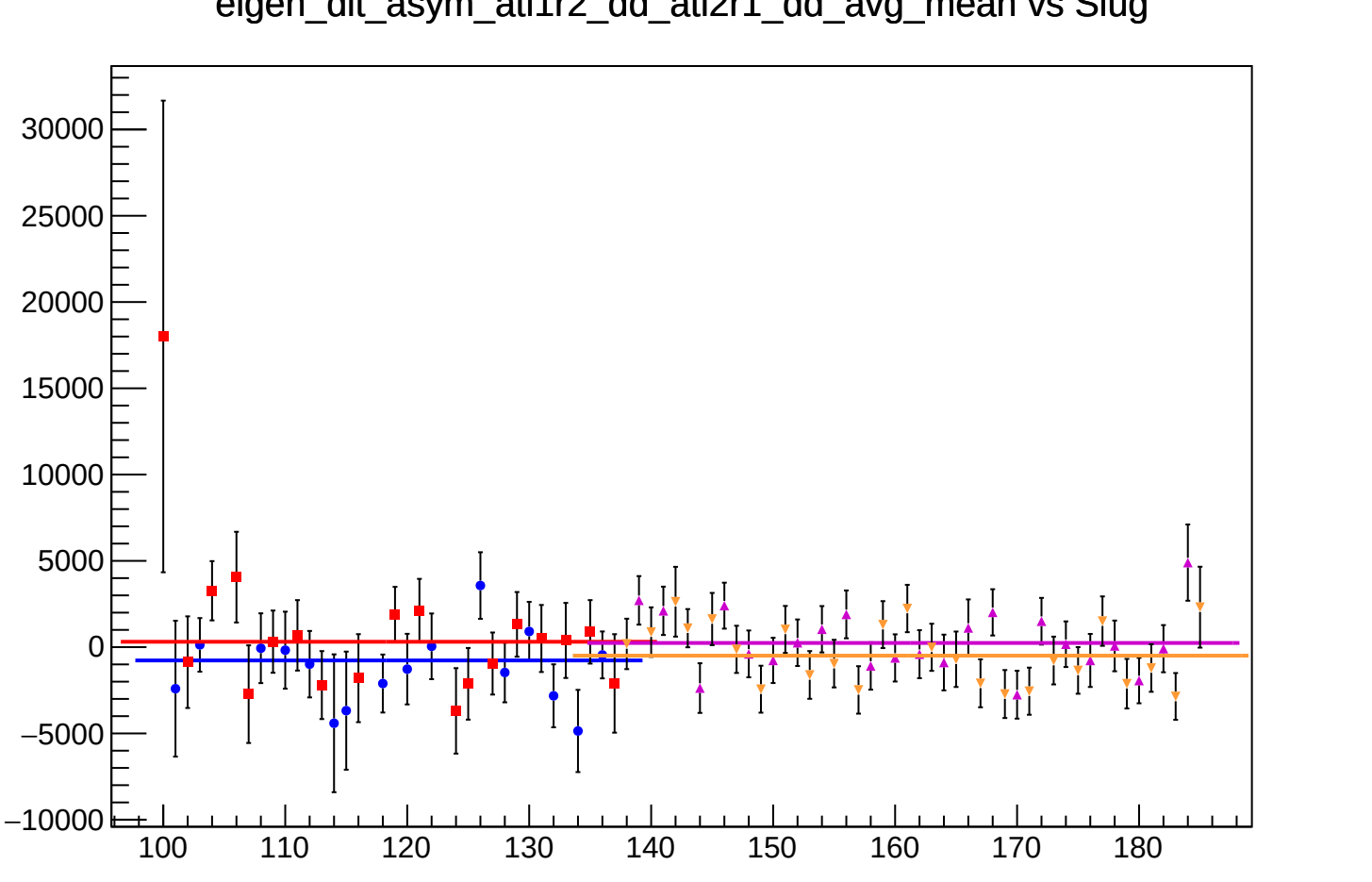
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 271.419+/-0.042 χ^2/NDF: 11647556.4/40

All: 280.900+/-0.031 χ^2/NDF: 21041922.6/82

- 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: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

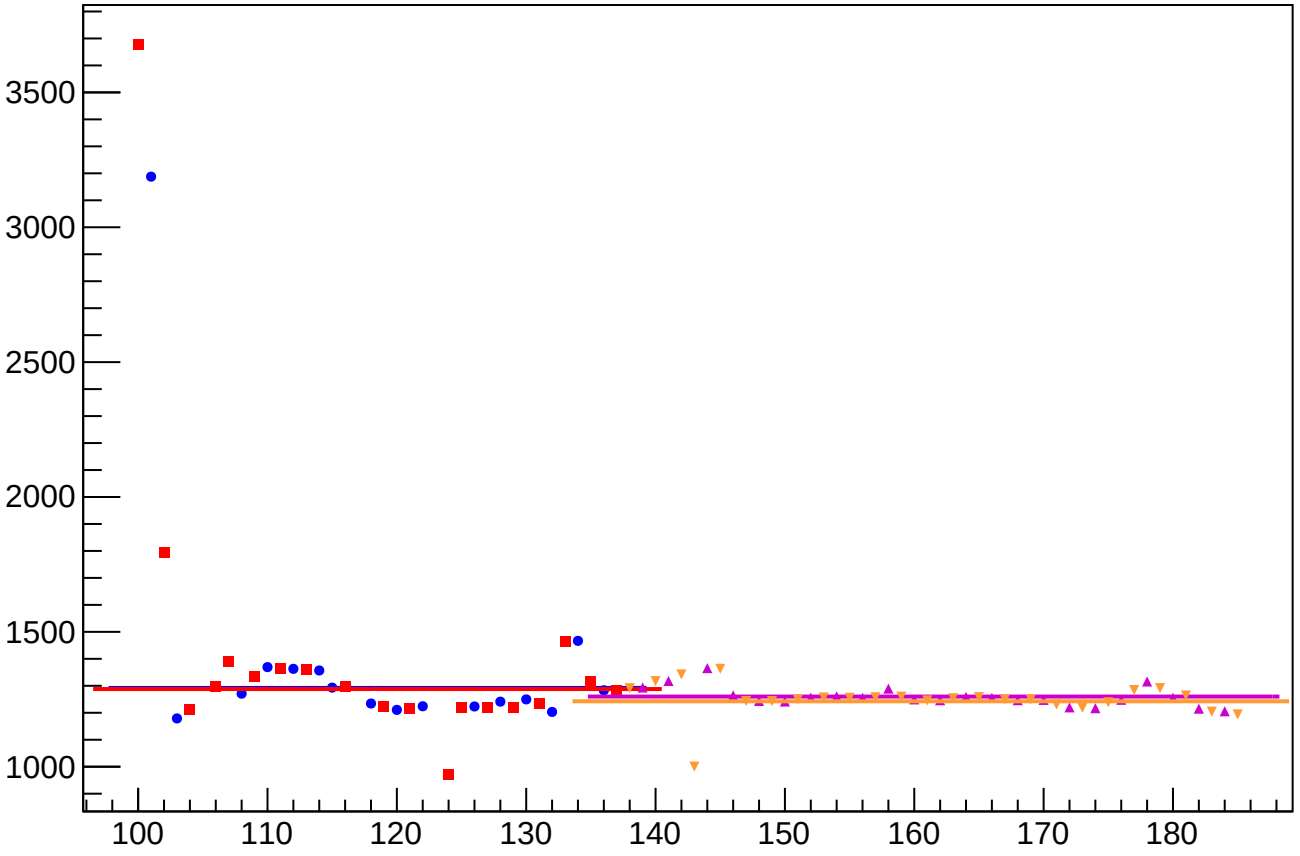
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -562.975+/-244.841 χ^2/NDF: 48.1/40

All: -161.791+/-175.366 χ^2/NDF: 102.2/82

- sign 260.822+/-251.295 χ^2/NDF: 48.6/41

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

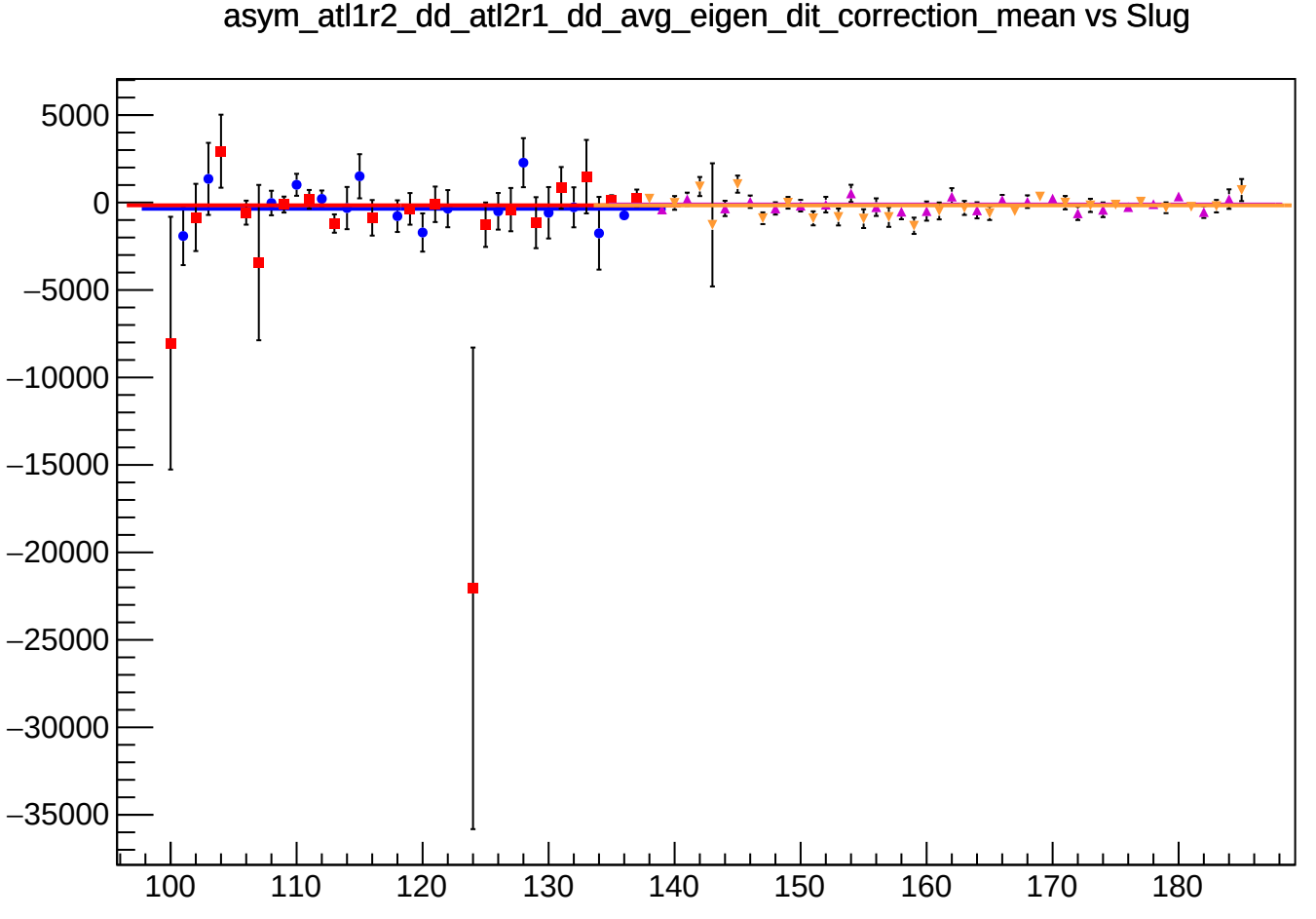
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1254.918+/-0.173 χ^2/NDF: 654758.5/40

All: 1261.121+/-0.124 χ^2/NDF: 899405.5/82

- 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: -160.933+/-64.133 χ^2/NDF:43.8/24

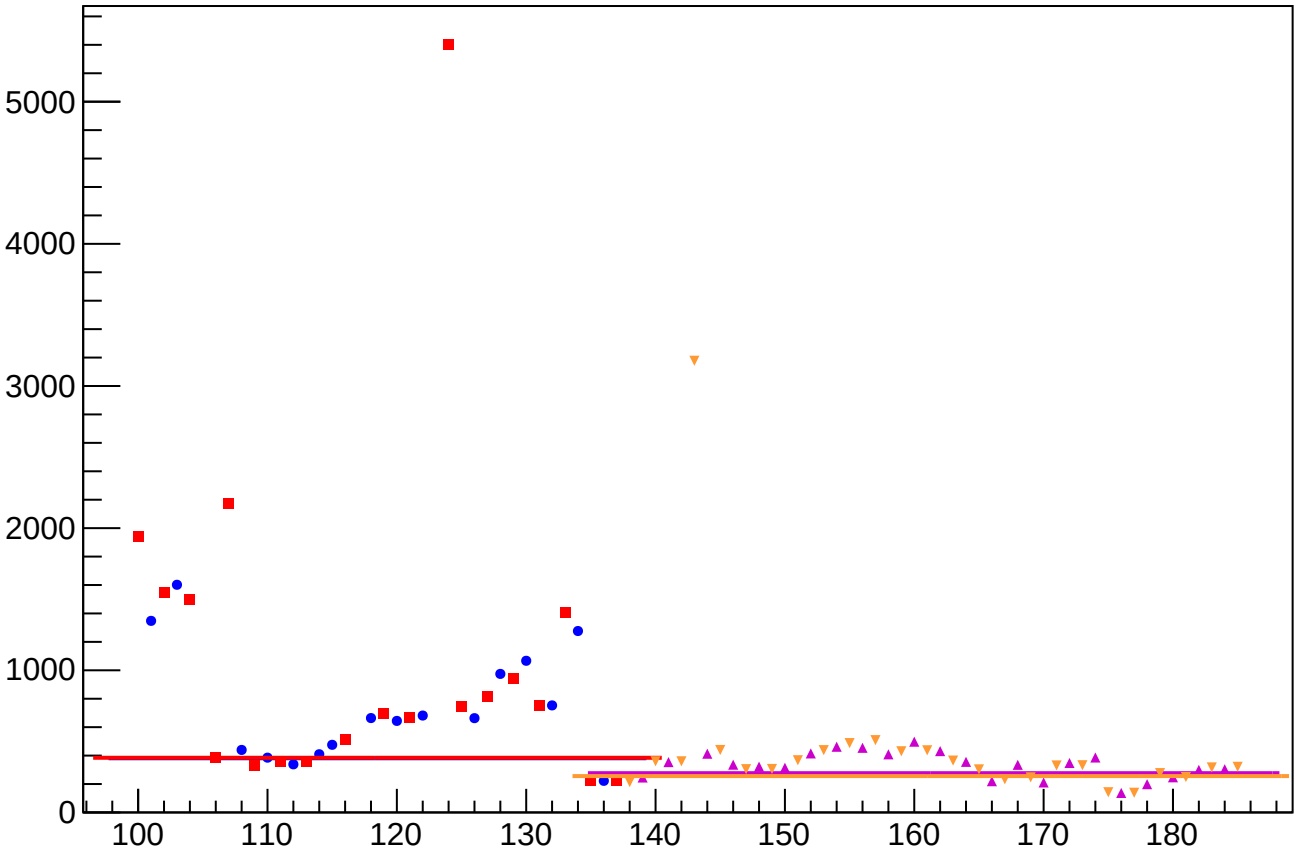
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.146+/-60.004 χ^2/NDF: 63.3/40

All: -154.549+/-43.706 χ^2/NDF: 98.0/82

- 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: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

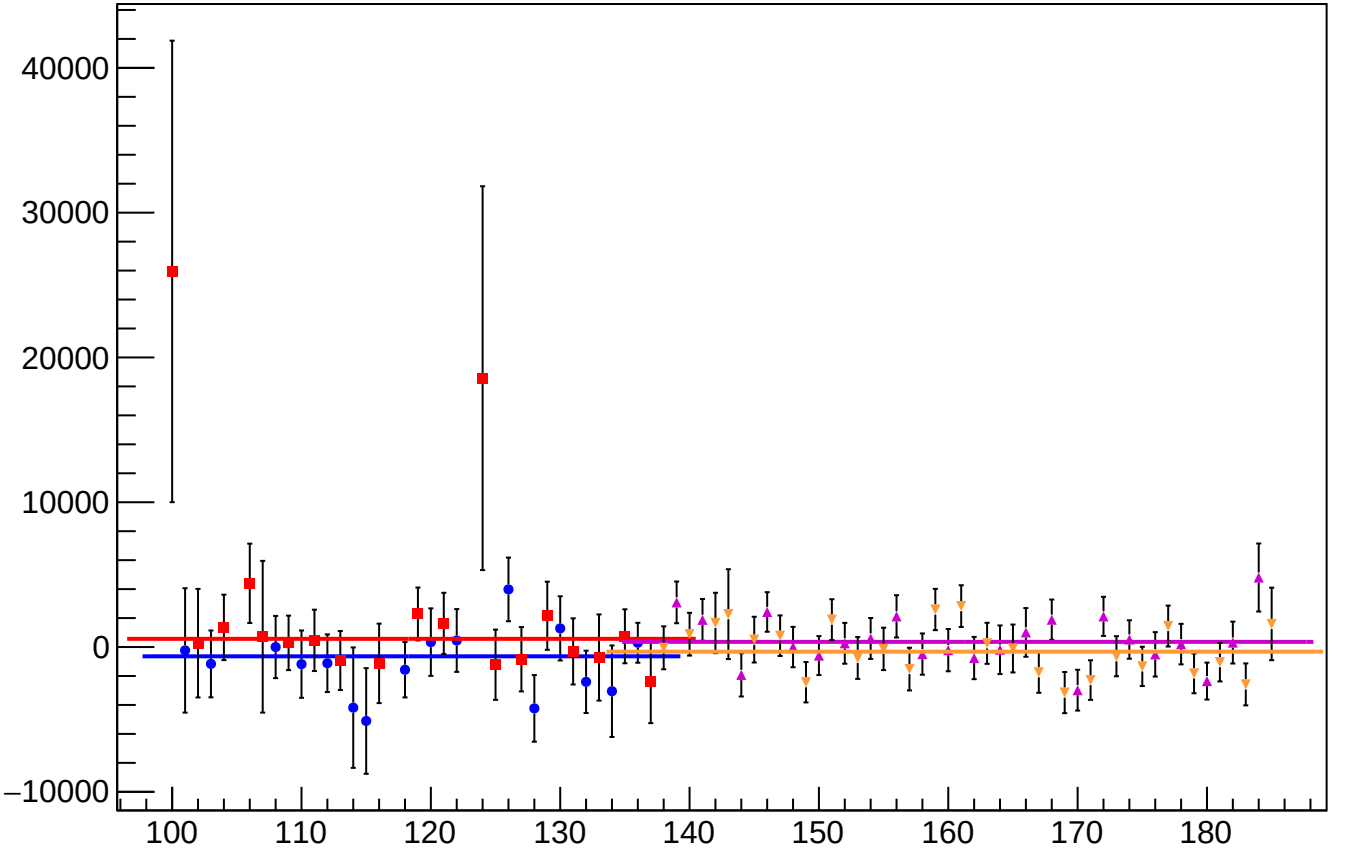
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 271.421+/-0.042 χ^2/NDF: 11647375.2/40

All: 280.901+/-0.031 χ^2/NDF: 21041631.0/82

- 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: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

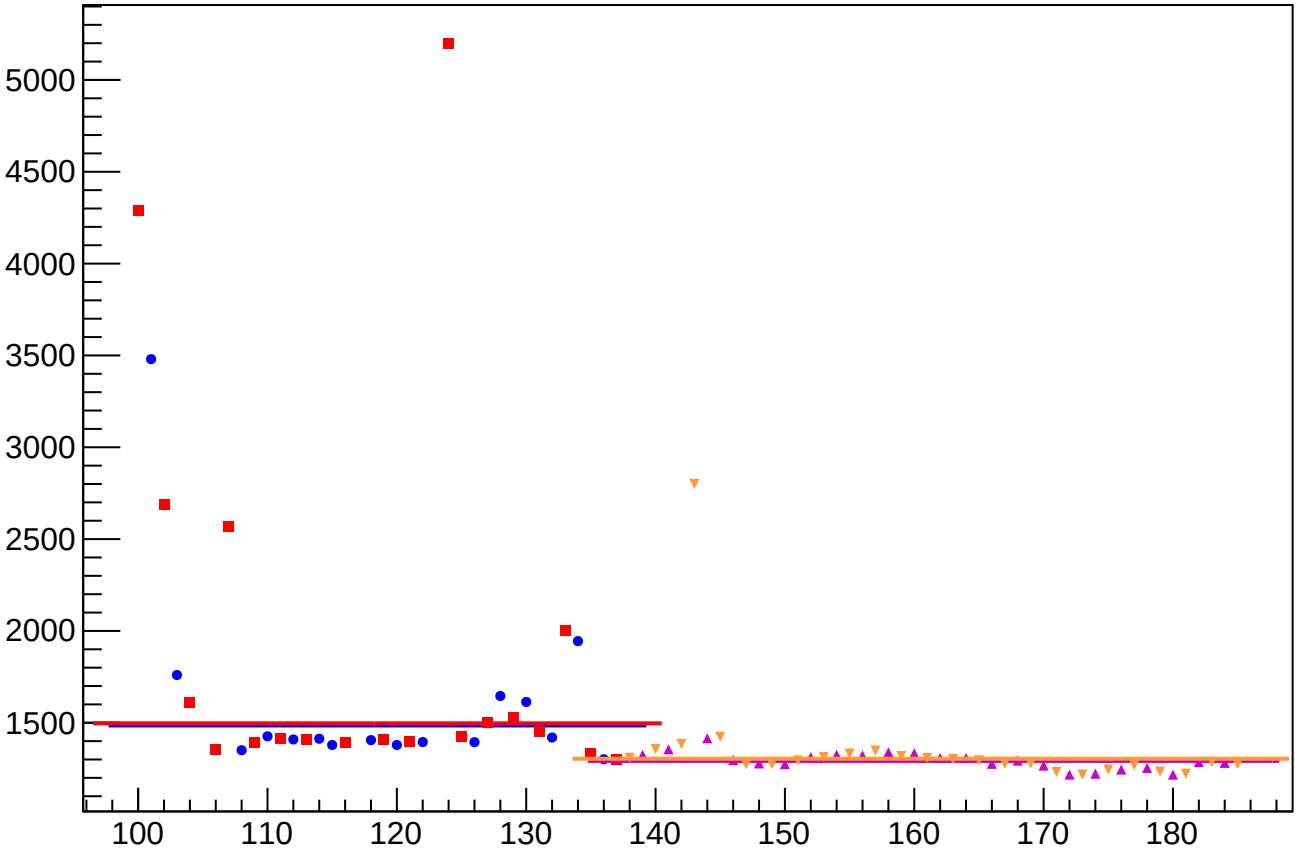
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -389.846+/-263.707 χ^2/NDF: 44.3/40

All: 2.459+/-187.434 χ^2/NDF: 89.9/82

- 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: 1304.156+/-0.211 χ^2/NDF:519609.1/24

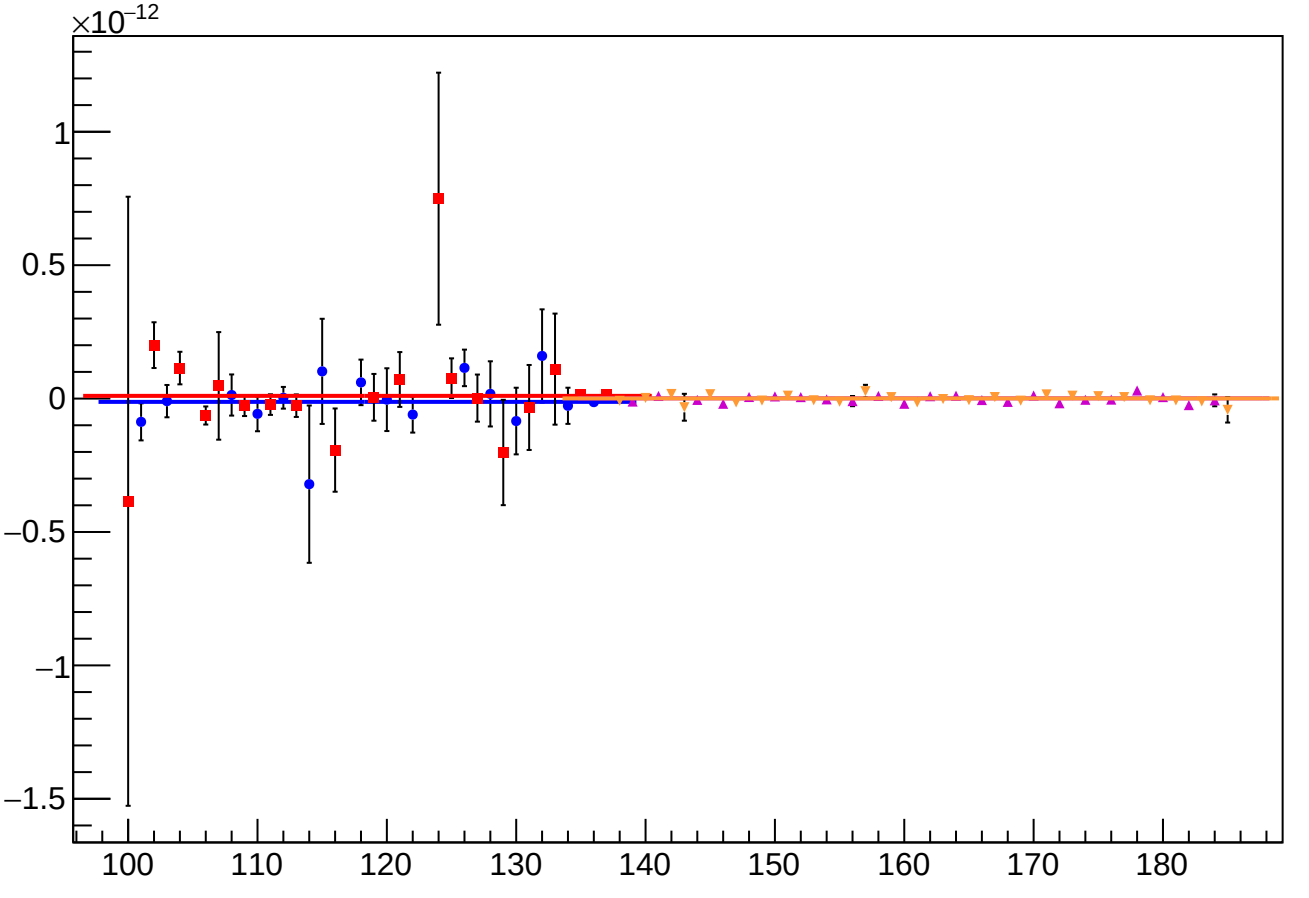
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1343.721+/-0.186 χ^2/NDF: 1265260.4/40

All: 1340.582+/-0.133 χ^2/NDF: 2140776.4/82

- 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:24.3/24

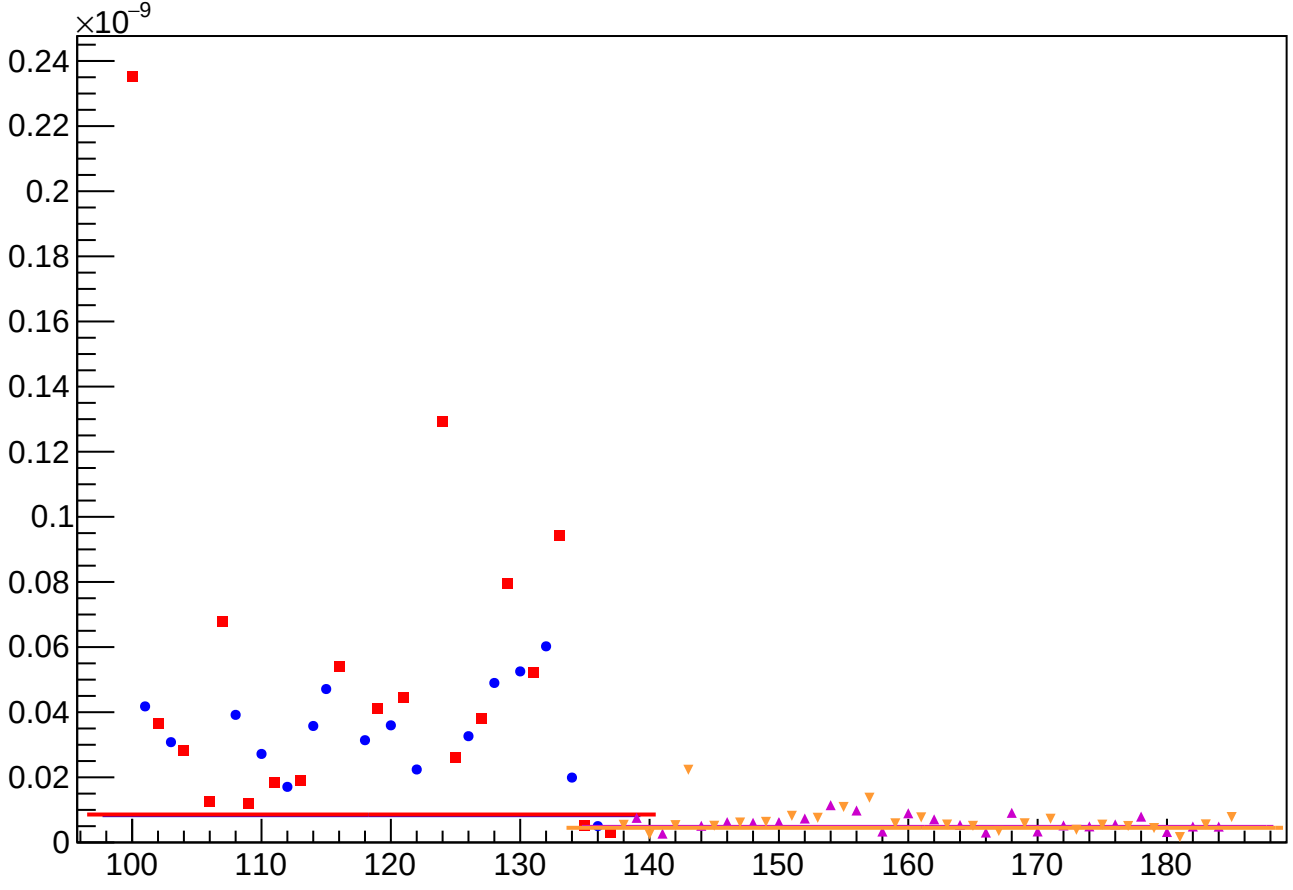
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/40

All: 0.000+/-0.000 χ^2/NDF: 90.2/82

- 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:2715297.7/24

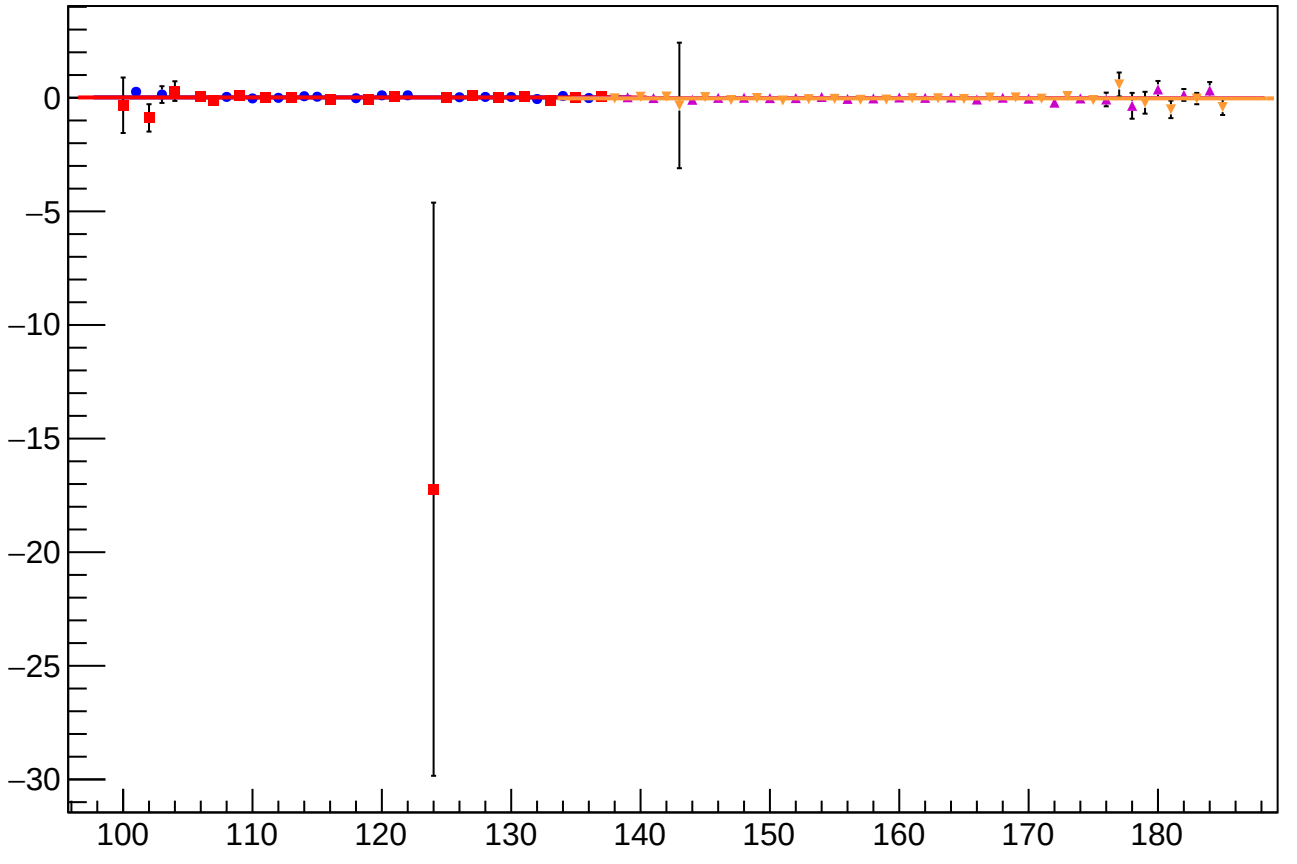
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6287332.5/40

All: 0.000+/-0.000 χ^2/NDF: 11963894.5/82

- 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:28.1/24

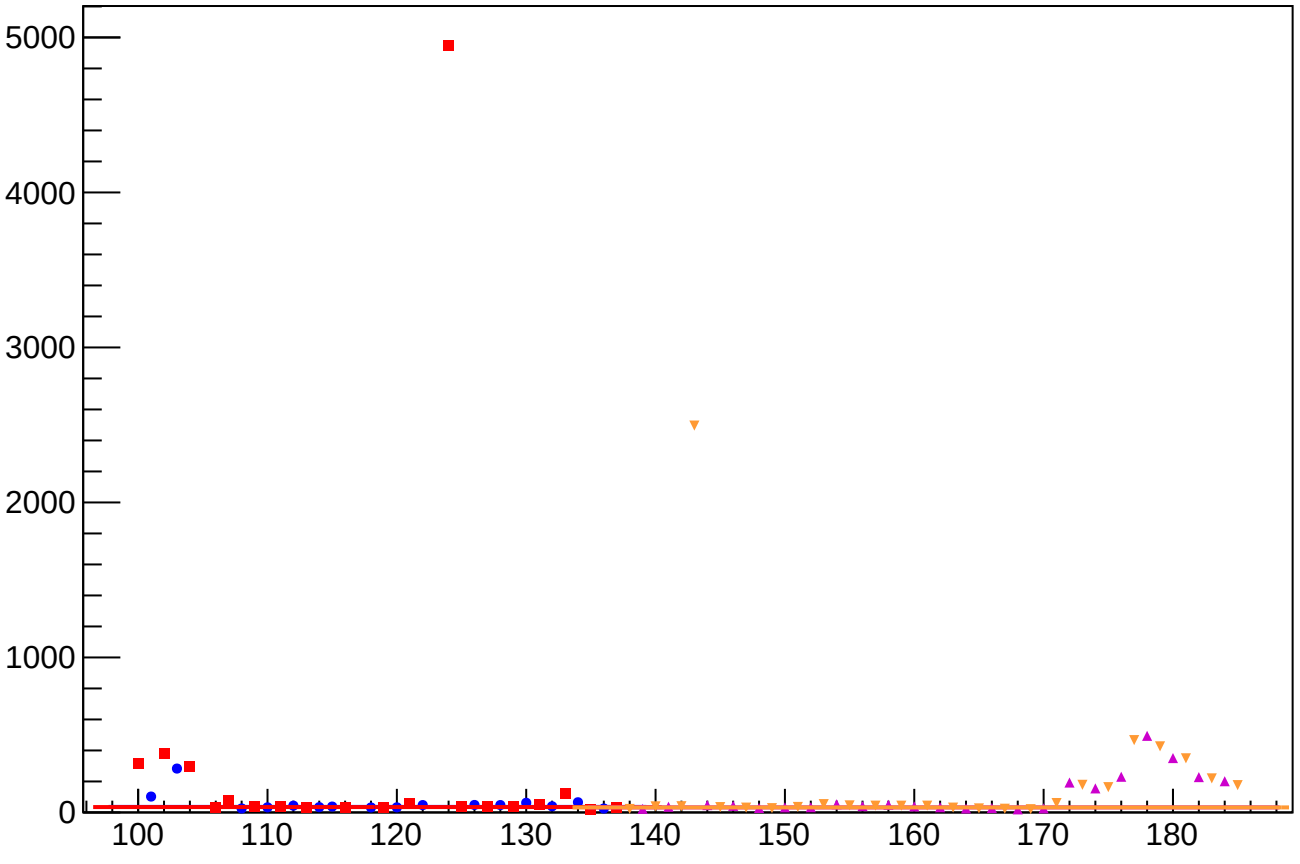
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.6/82

- 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: 32.551+/-0.007 χ^2/NDF:10871758.1/24

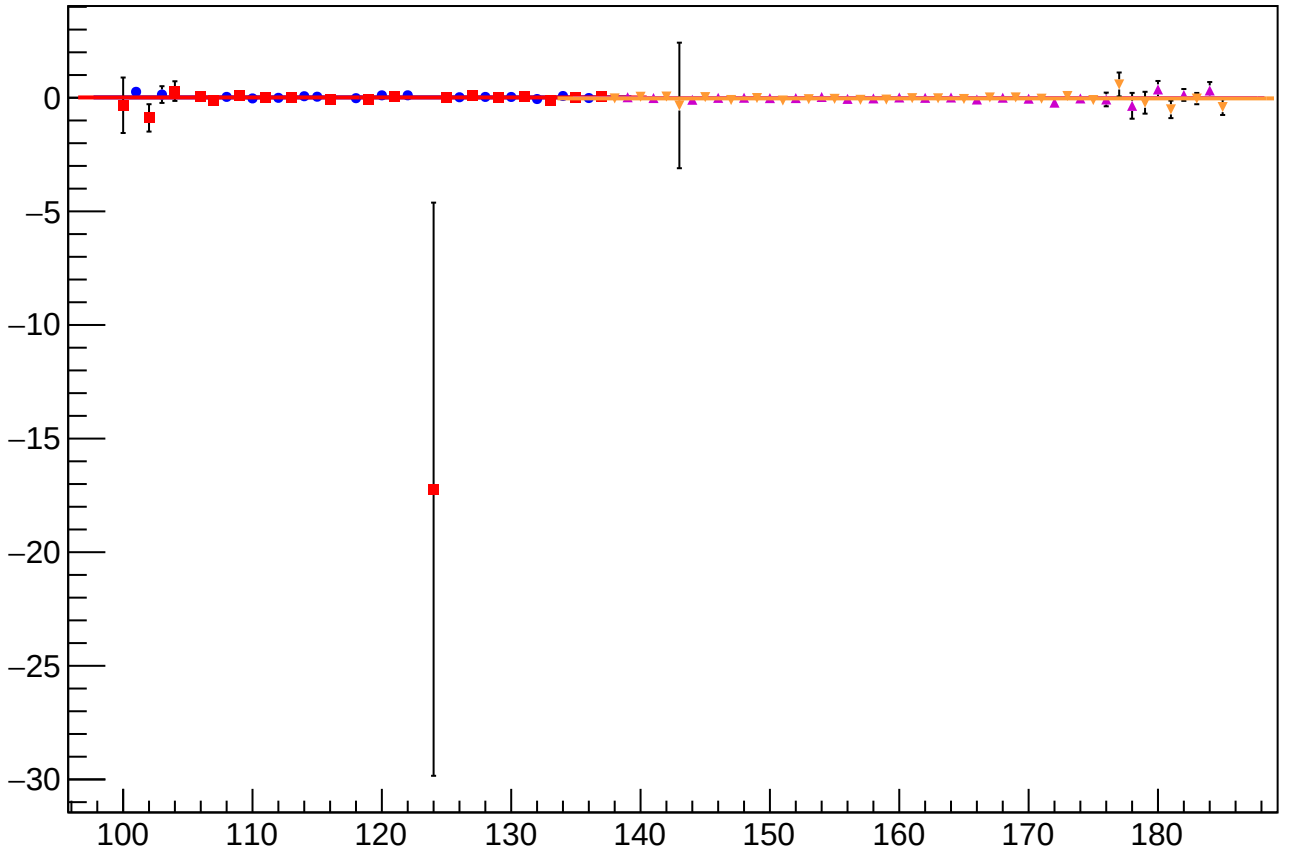
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198399.9/40

All: 33.362+/-0.004 χ^2/NDF: 25101405.4/82

- 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:28.1/24

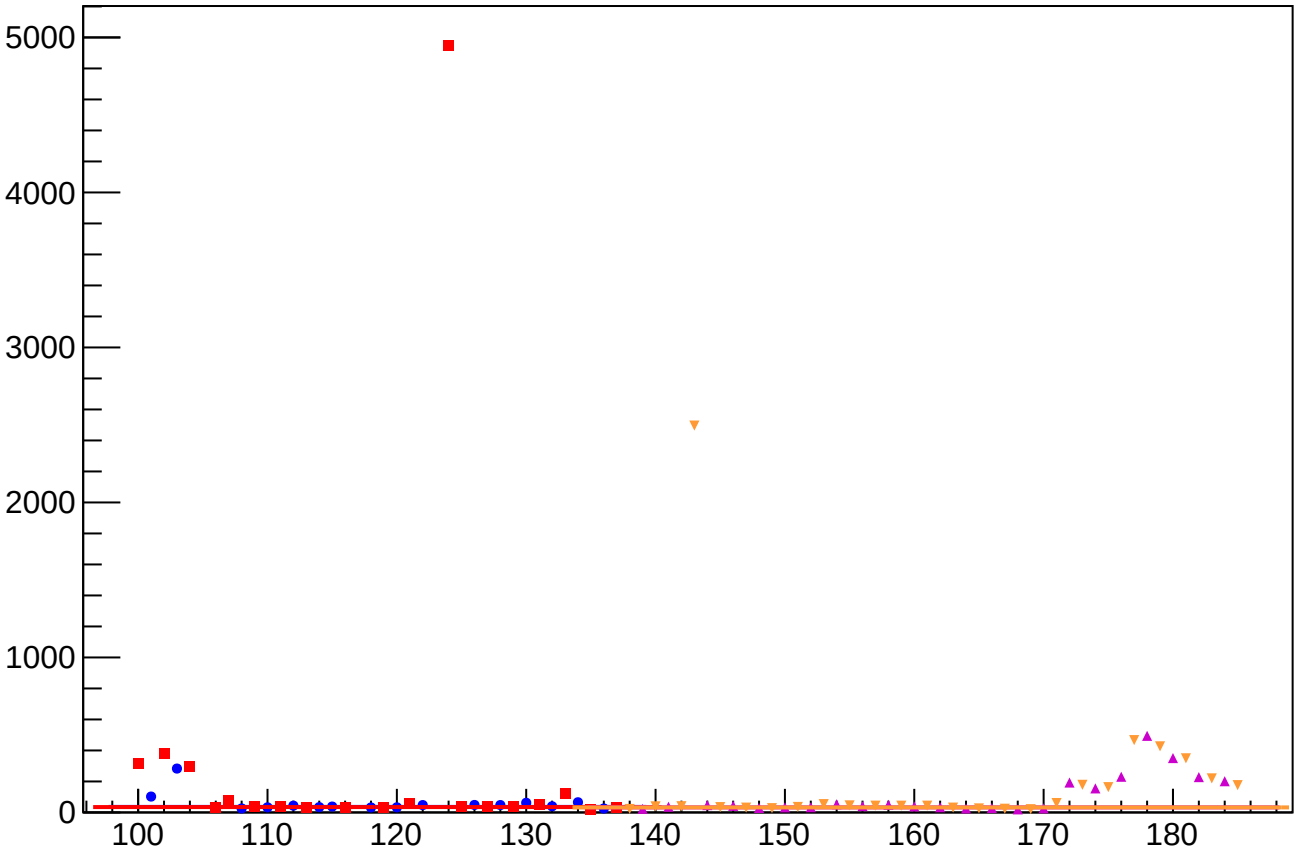
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.6/82

- 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: 32.551+/-0.007 χ^2/NDF:10871758.1/24

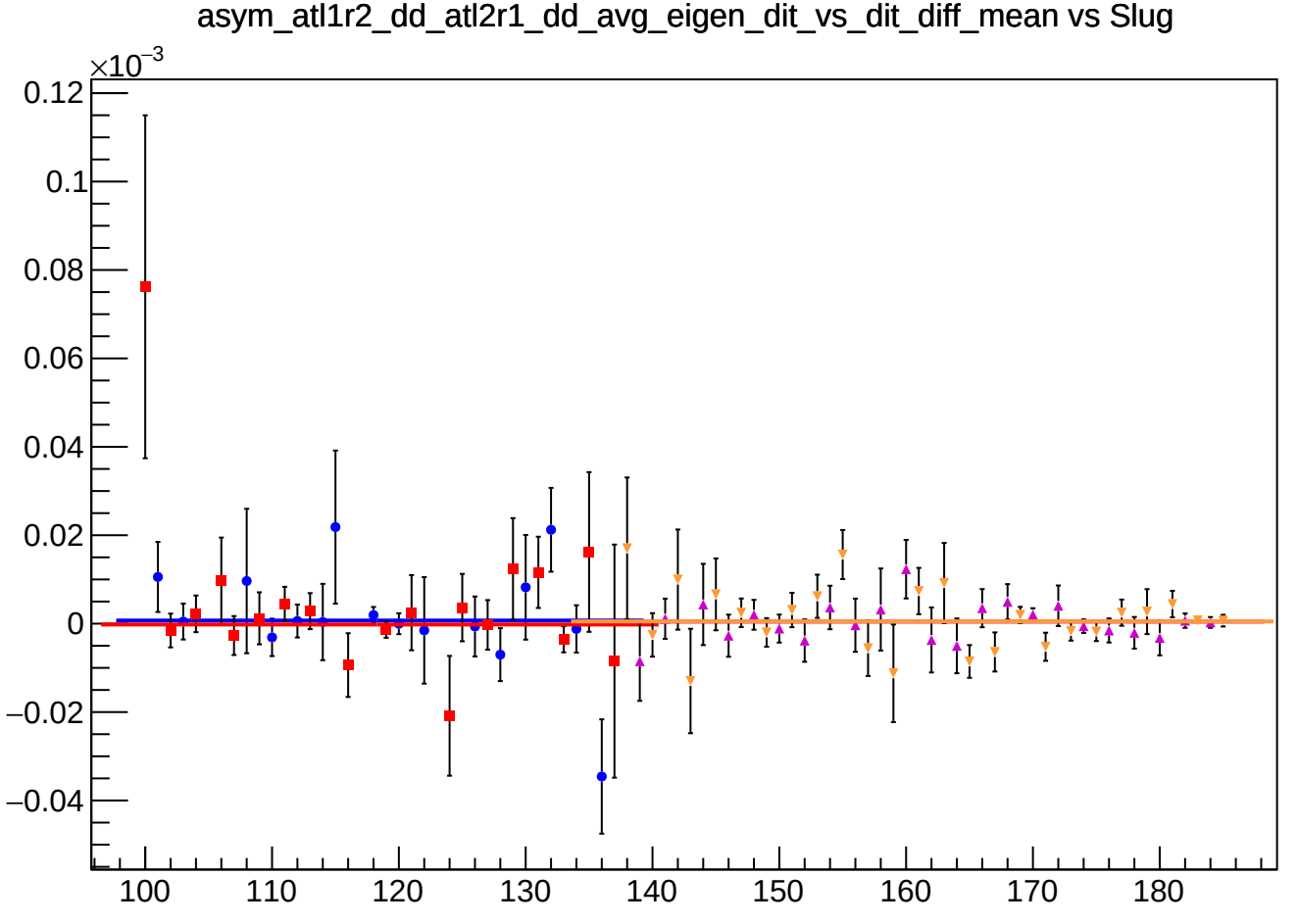
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198399.9/40

All: 33.362+/-0.004 χ^2/NDF: 25101405.4/82

- 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:35.7/24

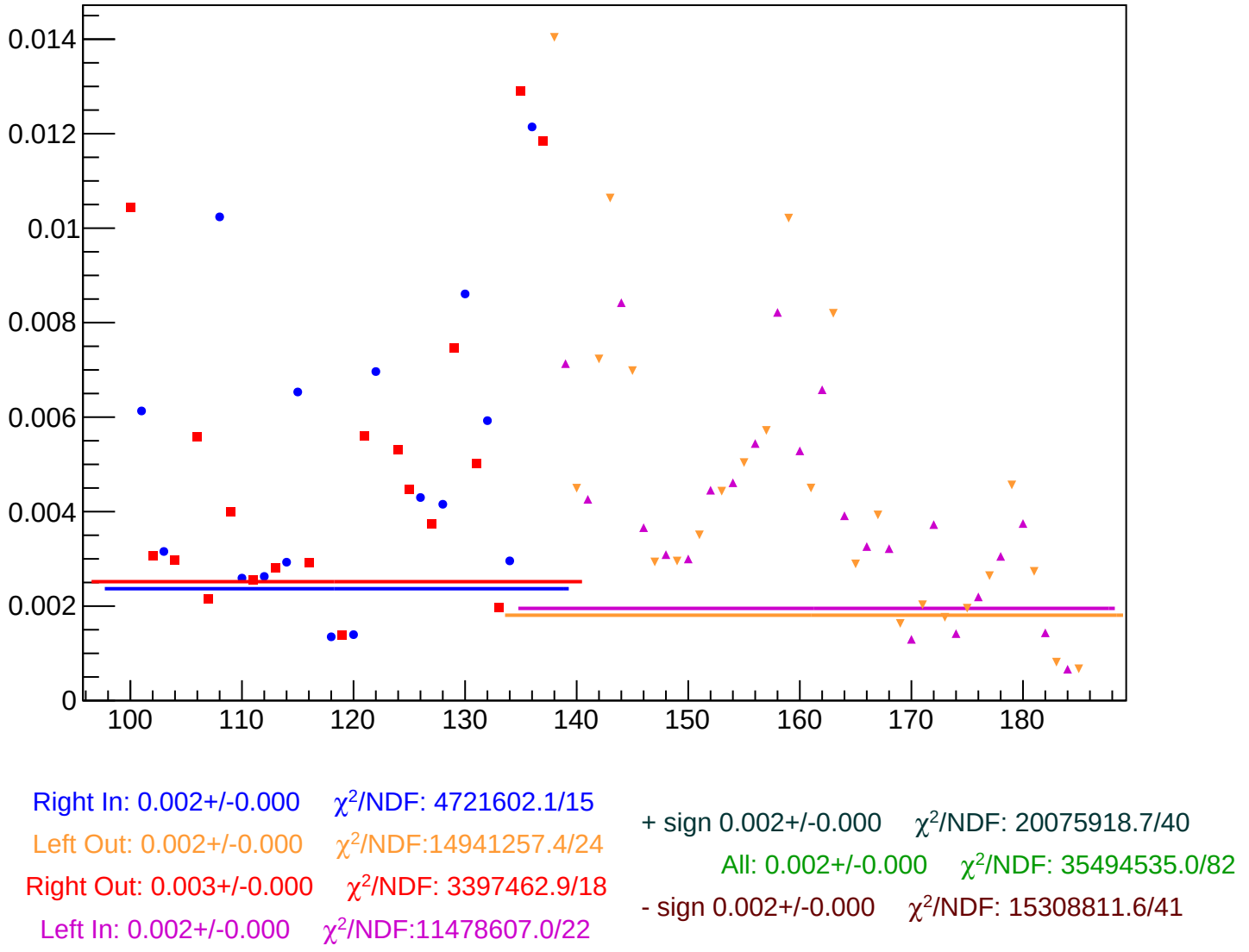
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

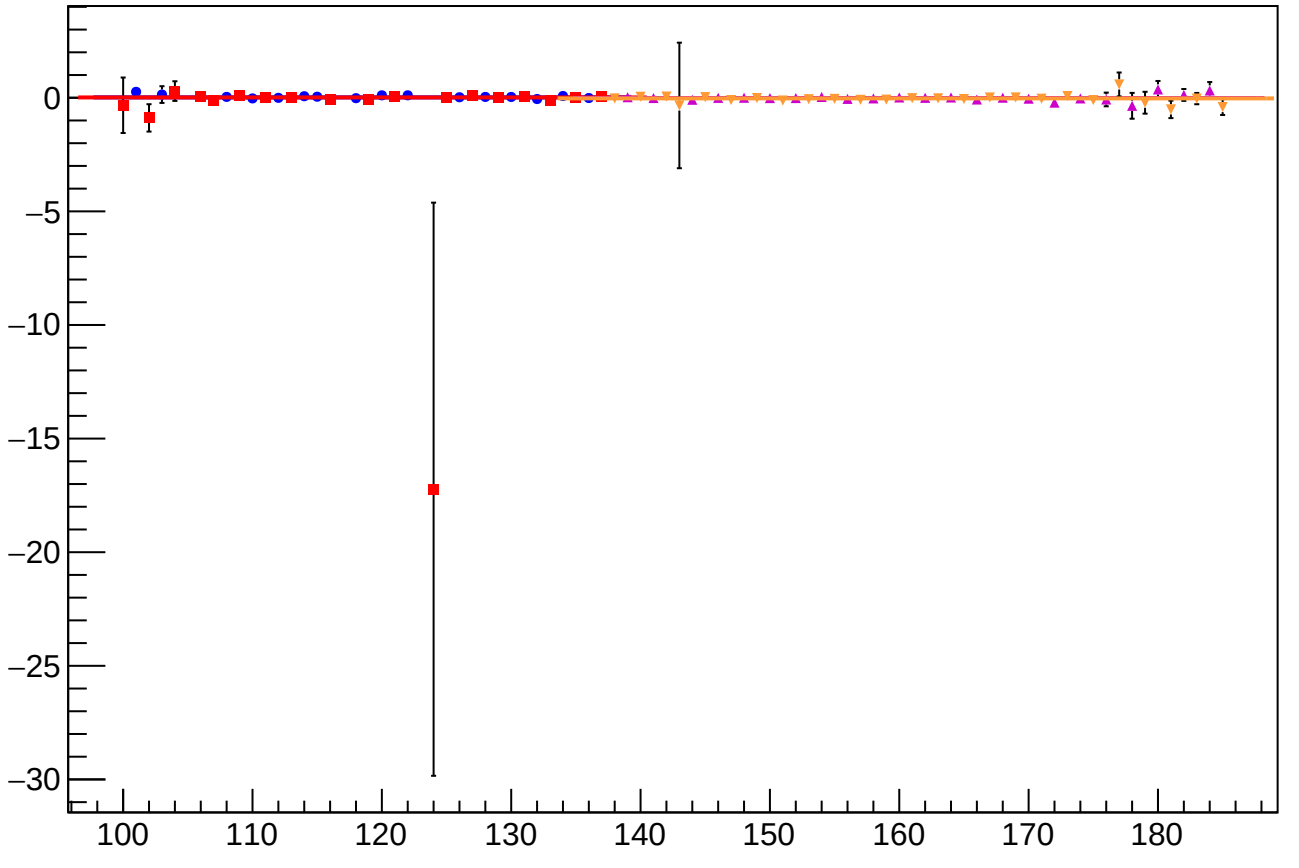
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/40

All: 0.000+/-0.000 χ^2/NDF: 87.0/82

- sign 0.000+/-0.000 χ^2/NDF: 32.1/41


asym_atl1r2_dd_atl2r1_dd_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: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
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: 20075918.7/40
All: 0.002+/-0.000 χ²/NDF: 35494535.0/82
- 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:28.1/24

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

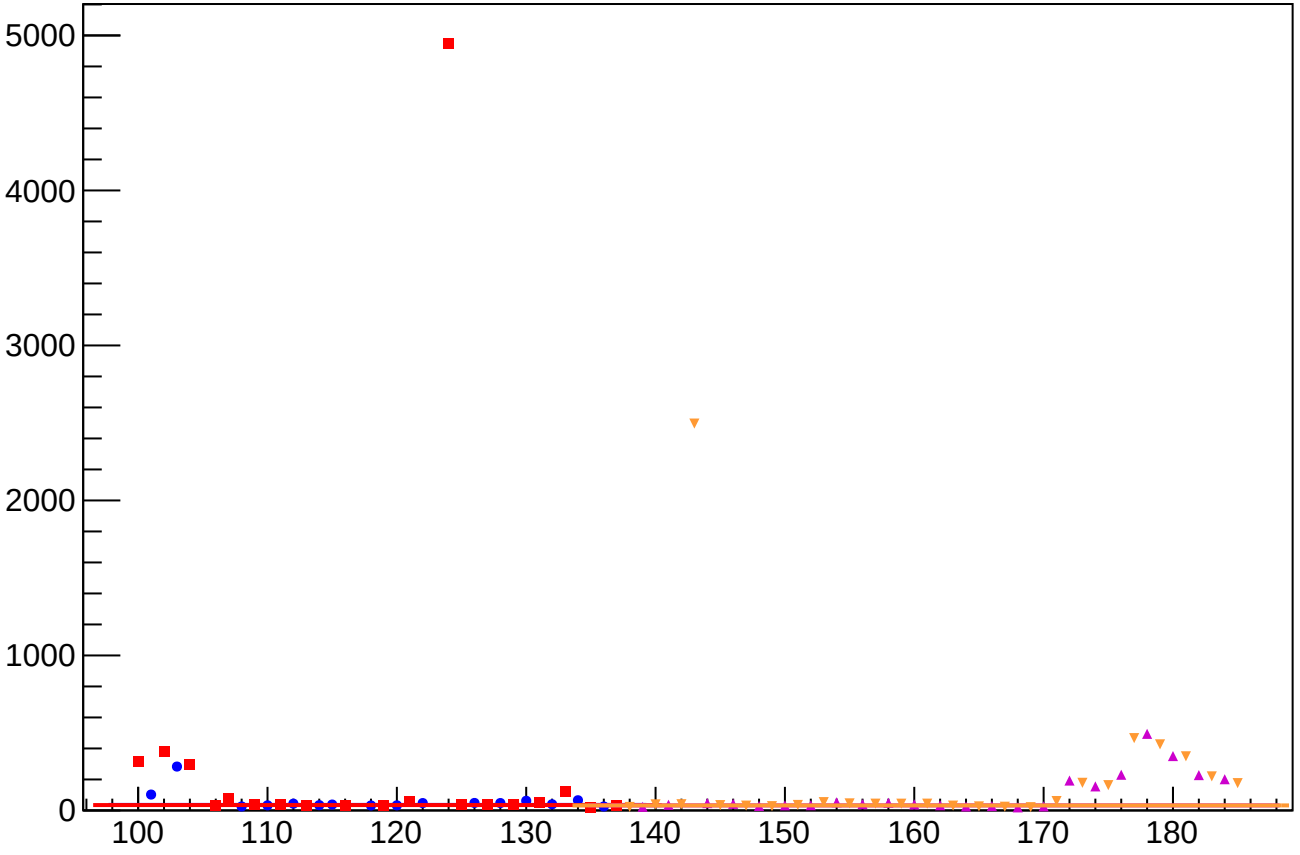
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.7/82

- sign -0.004+/-0.008 χ^2/NDF: 31.0/41

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

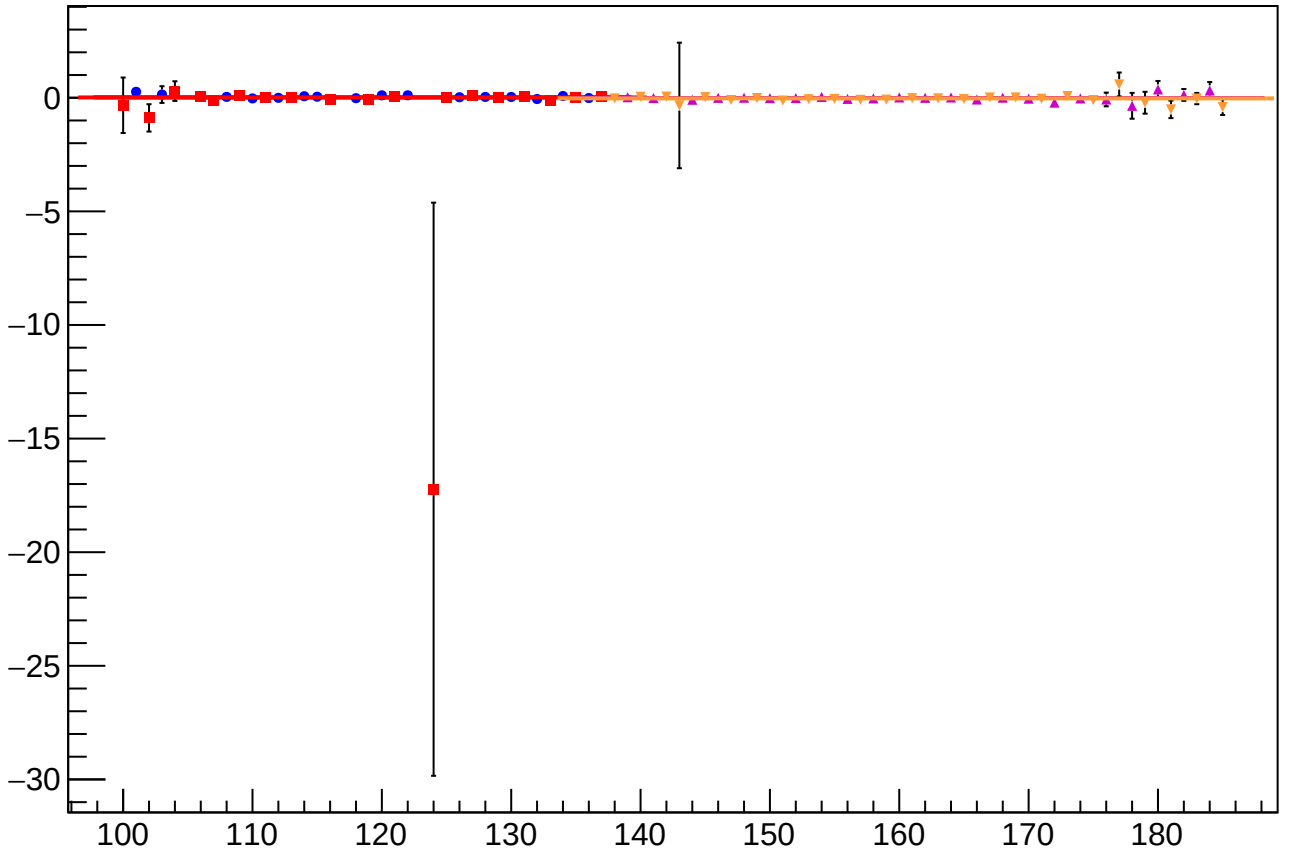
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198445.6/40

All: 33.361+/-0.004 χ^2/NDF: 25101968.6/82

- 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:28.1/24

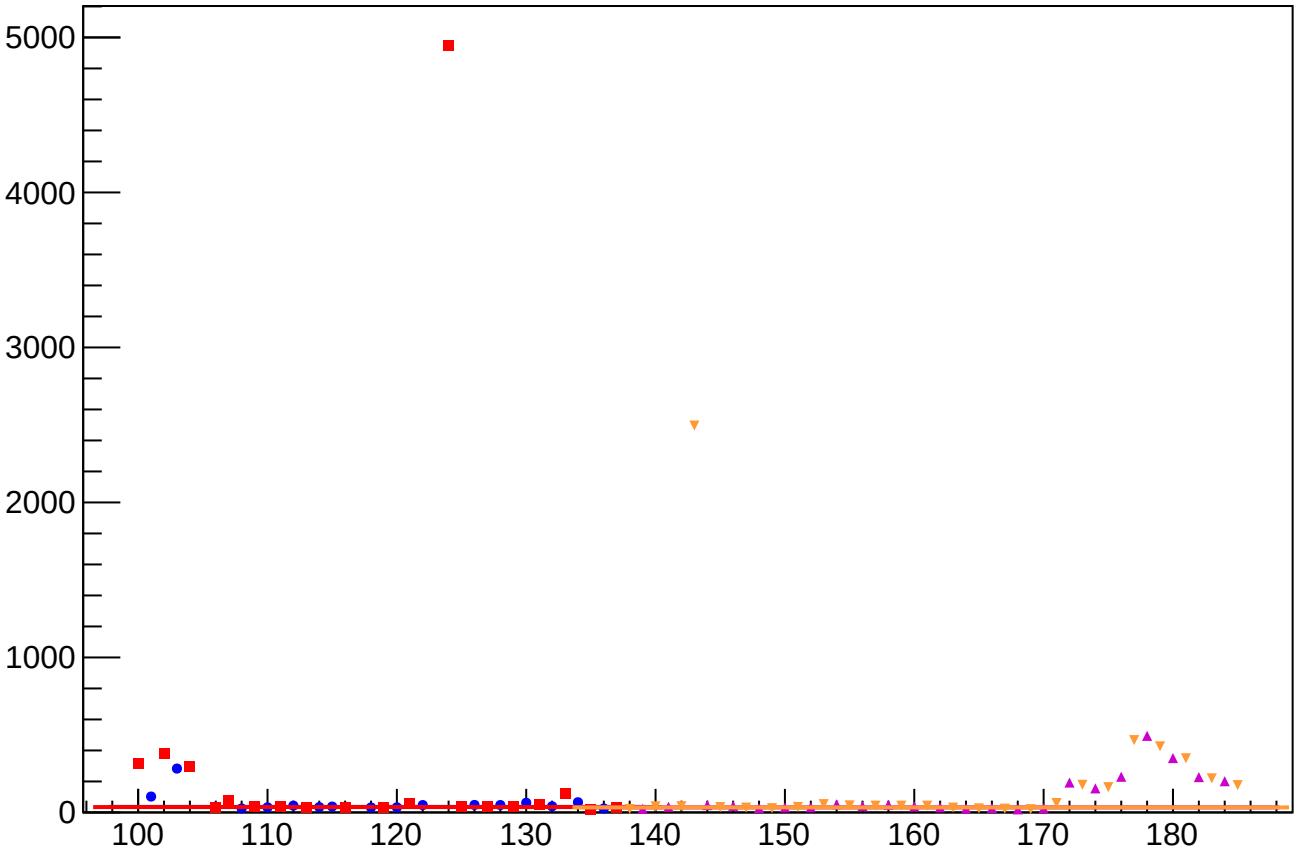
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.6/40

All: -0.010+/-0.006 χ^2/NDF: 77.7/82

- 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: 32.551+/-0.007 χ^2/NDF:10872015.8/24

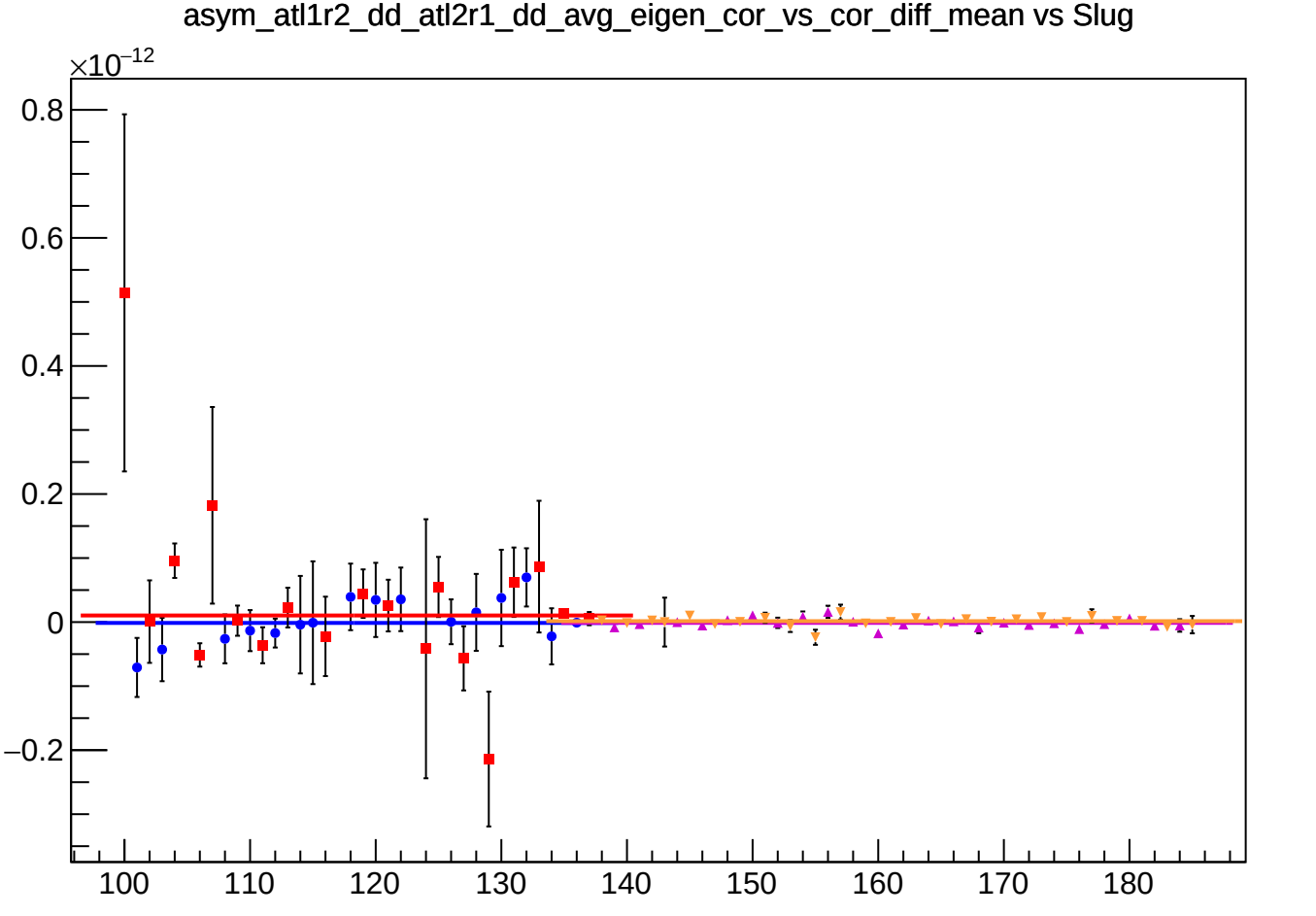
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

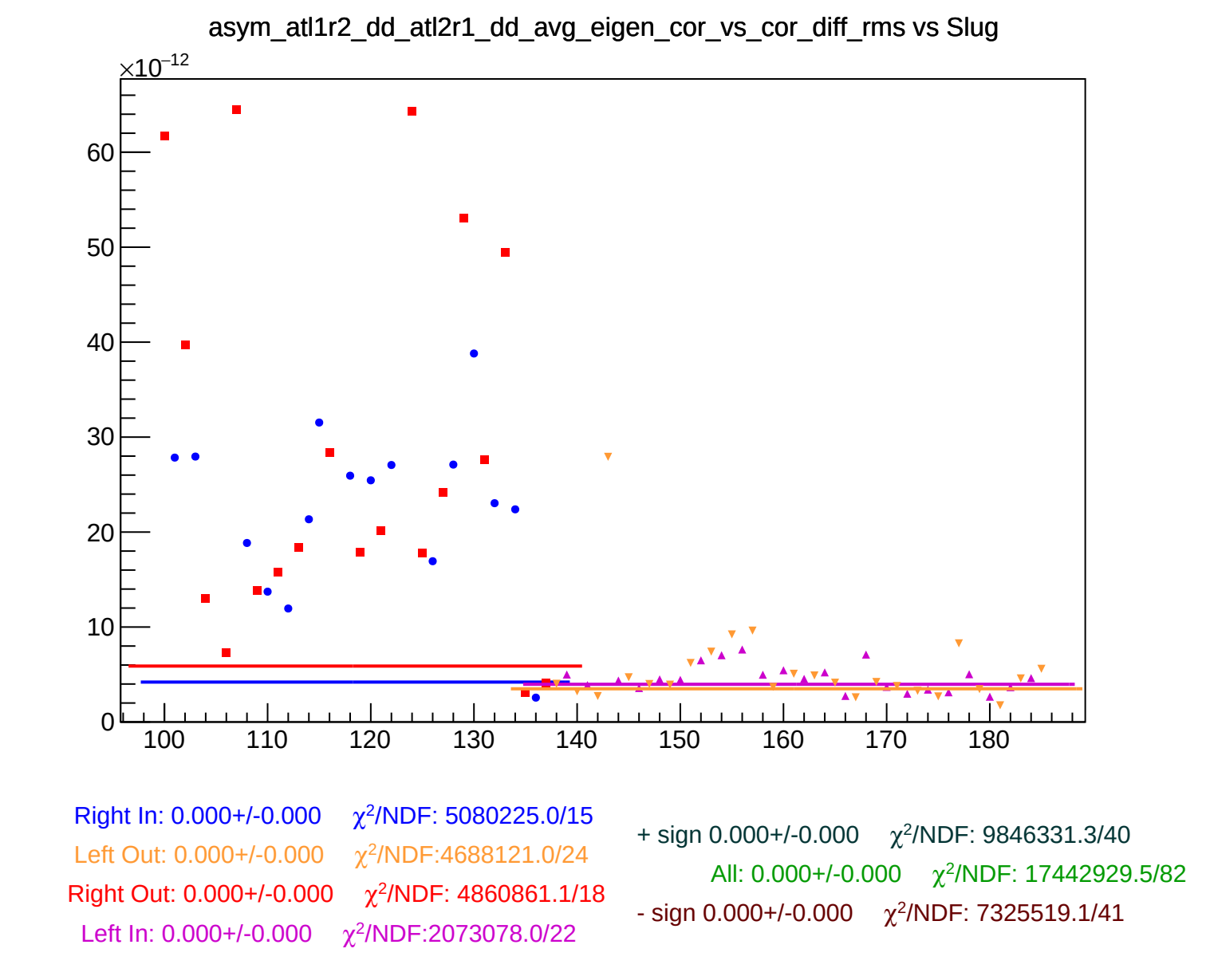
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.429+/-0.006 χ^2/NDF: 13198445.6/40

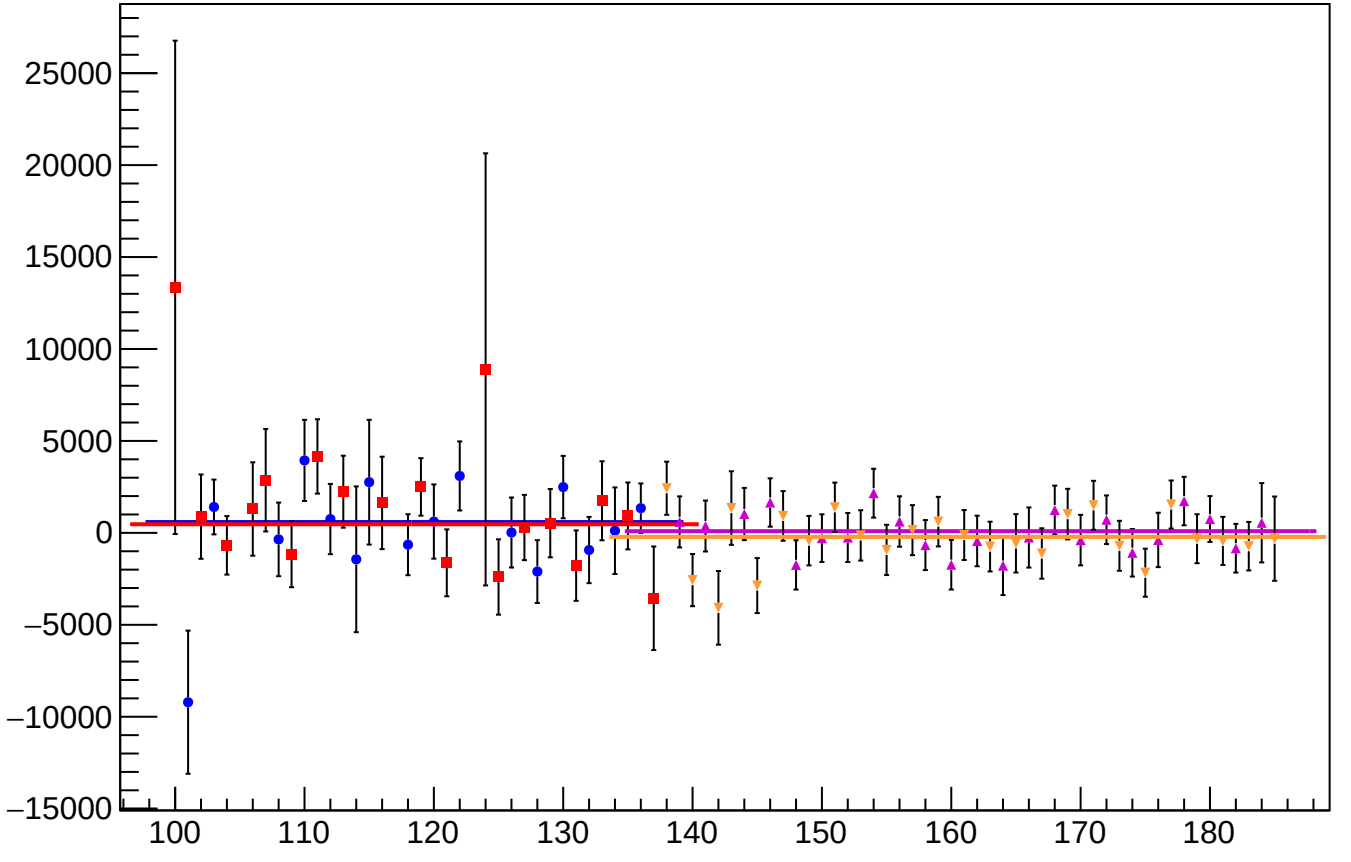
All: 33.361+/-0.004 χ^2/NDF: 25101968.6/82

- sign 33.293+/-0.006 χ^2/NDF: 11903242.3/41


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:18.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:28.7/22
+ sign 0.000+/-0.000 χ²/NDF: 27.3/40
All: 0.000+/-0.000 χ²/NDF: 104.1/82
- sign -0.000+/-0.000 χ²/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:4688121.0/24
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: 9846331.3/40
All: 0.000+/-0.000 χ²/NDF: 17442929.5/82
- sign 0.000+/-0.000 χ²/NDF: 7325519.1/41

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

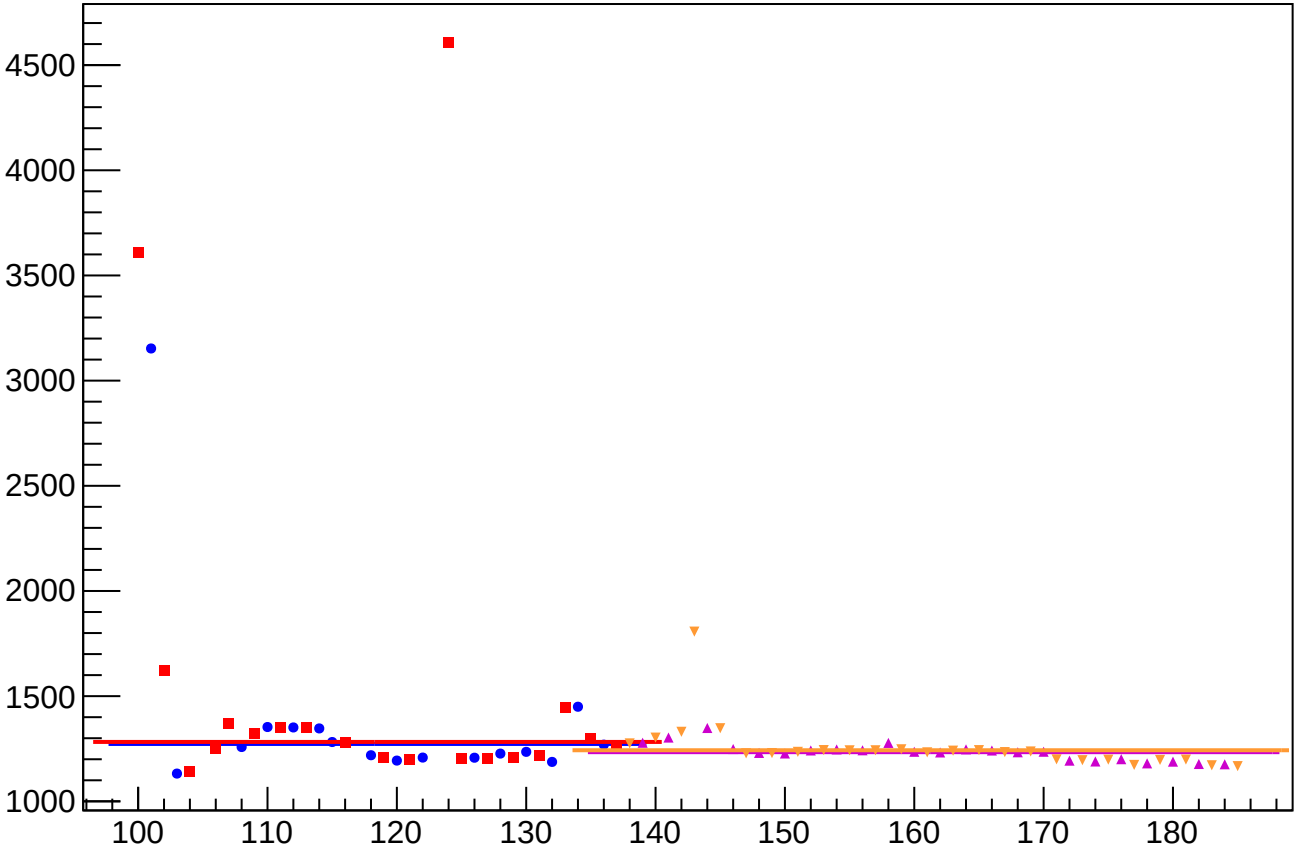
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -13.891+/-244.136 χ^2/NDF: 43.1/40

All: 87.808+/-173.691 χ^2/NDF: 75.4/82

- 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: 1242.825+/-0.200 χ^2/NDF:203299.1/24

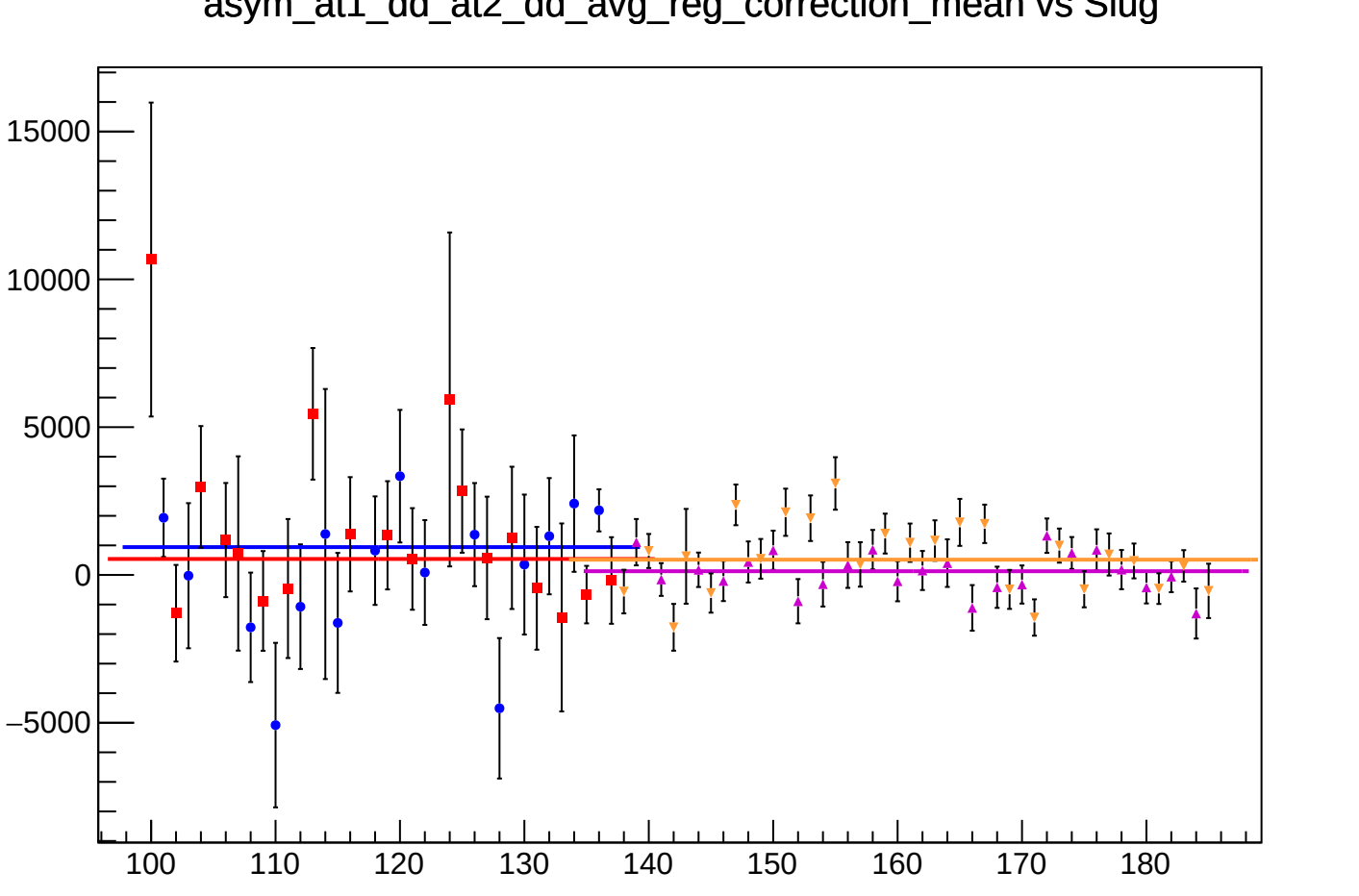
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728342.8/40

All: 1248.582+/-0.123 χ^2/NDF: 1105007.7/82

- 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: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

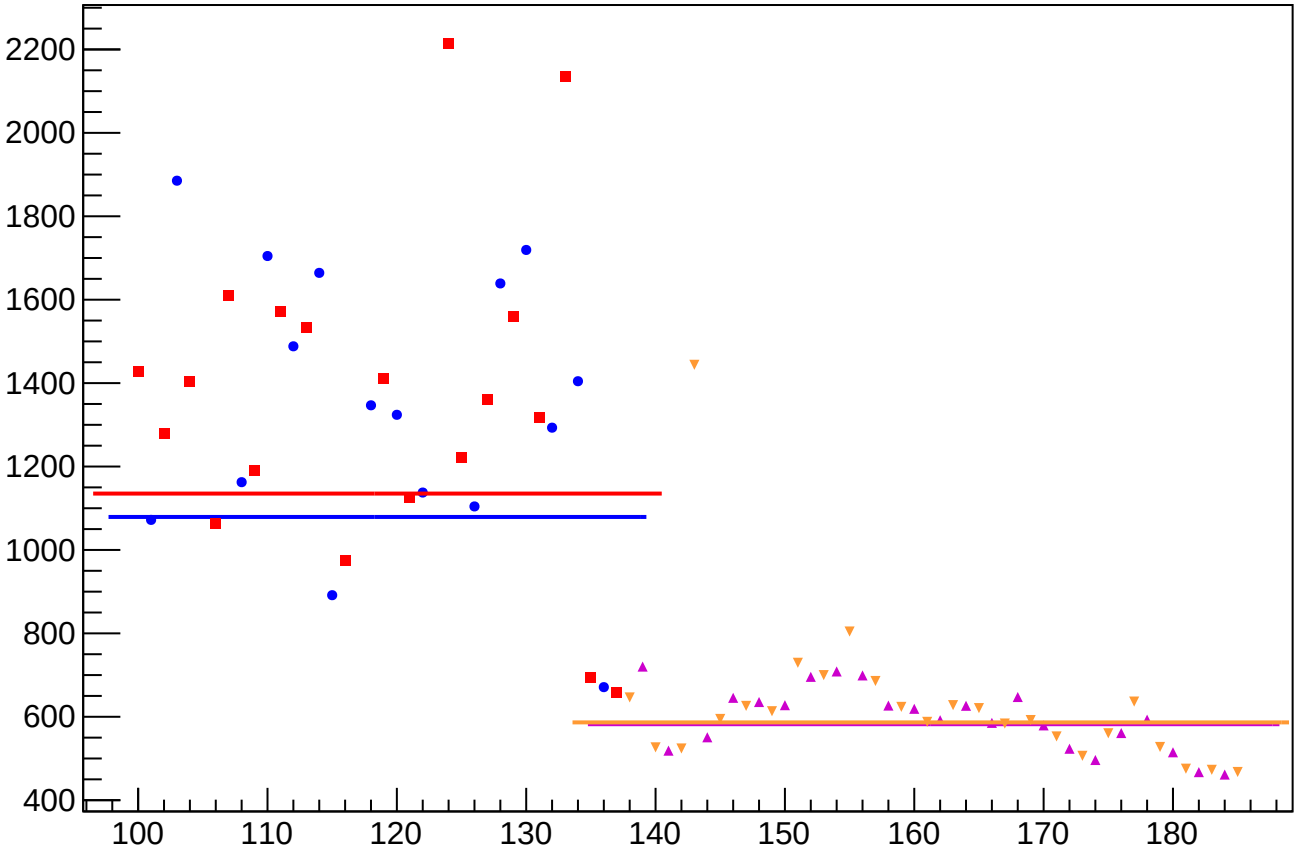
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 555.993+/-129.334 χ^2/NDF: 87.8/40

All: 362.216+/-92.048 χ^2/NDF: 131.9/82

- sign 163.307+/-131.035 χ^2/NDF: 39.5/41

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

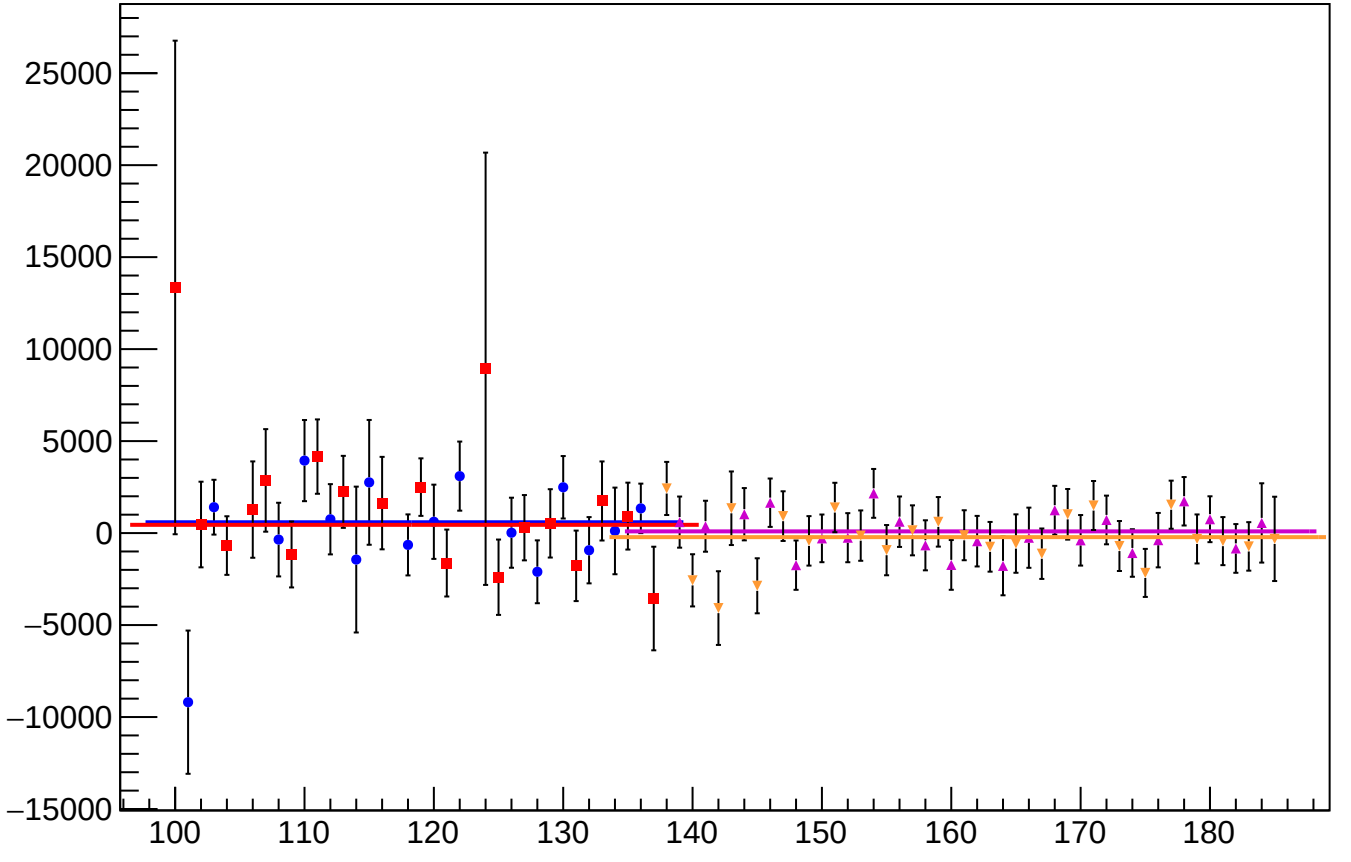
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 631.993+/-0.091 χ^2/NDF: 5114191.2/40

All: 631.628+/-0.065 χ^2/NDF: 9846382.2/82

- sign 631.254+/-0.093 χ^2/NDF: 4732158.7/41

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

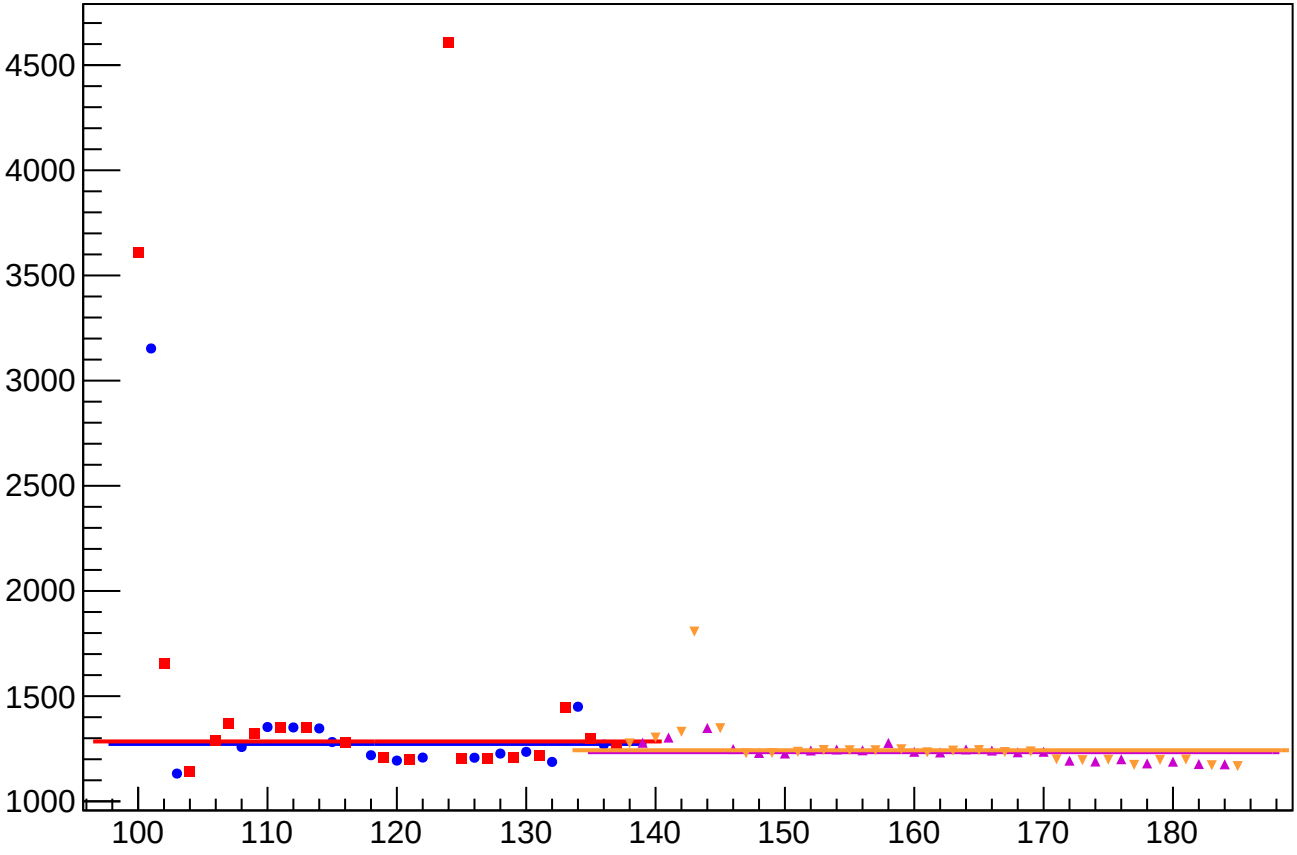
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -13.835+/-244.136 χ^2/NDF: 43.1/40

All: 85.009+/-173.730 χ^2/NDF: 75.3/82

- 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: 1242.825+/-0.200 χ^2/NDF:203299.1/24

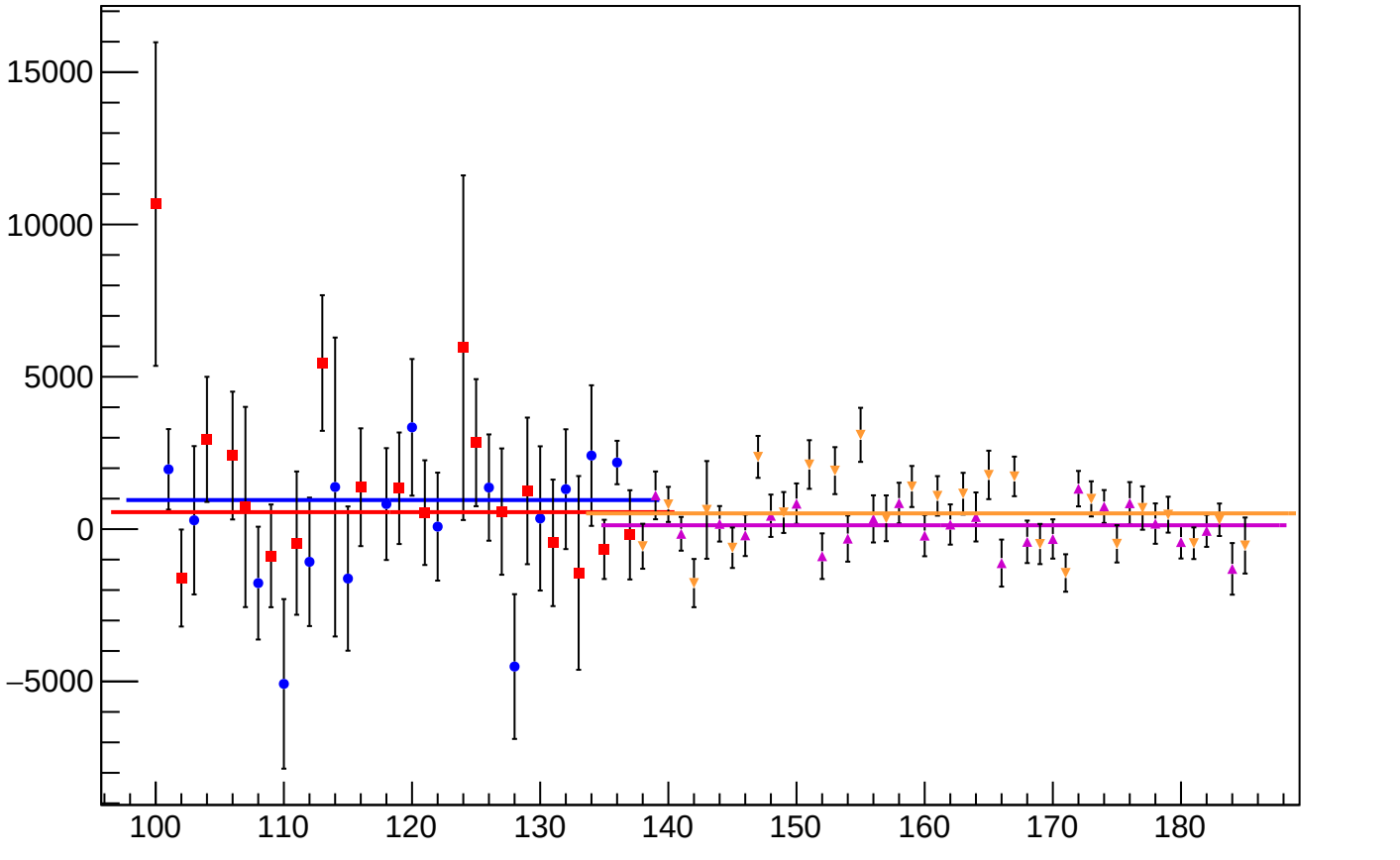
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728344.1/40

All: 1248.865+/-0.123 χ^2/NDF: 1113006.9/82

- 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: 516.811+/-135.747 χ^2/NDF:67.0/24

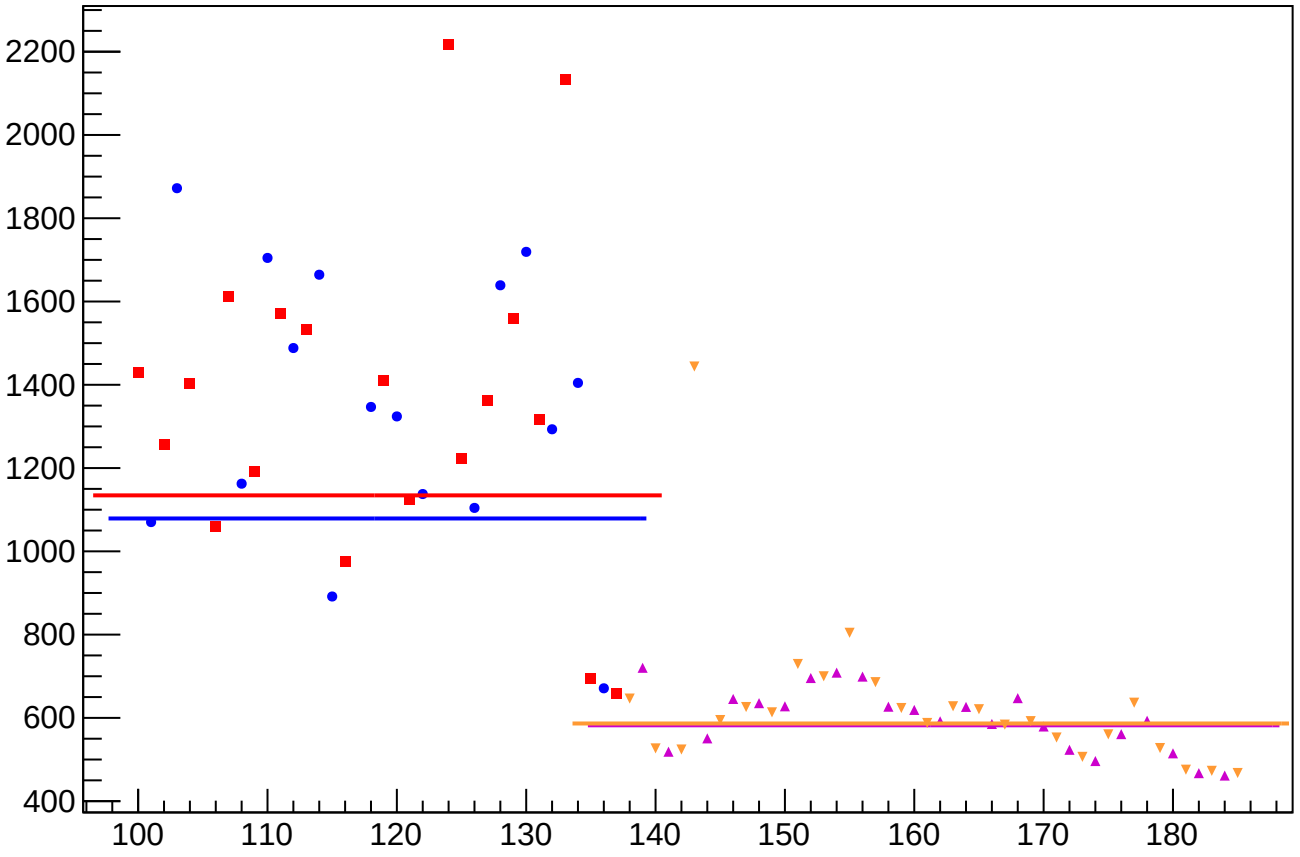
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 557.184+/-129.330 χ^2/NDF: 87.8/40

All: 363.541+/-92.055 χ^2/NDF: 133.2/82

- 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: 586.562+/-0.096 χ^2/NDF:1202822.0/24

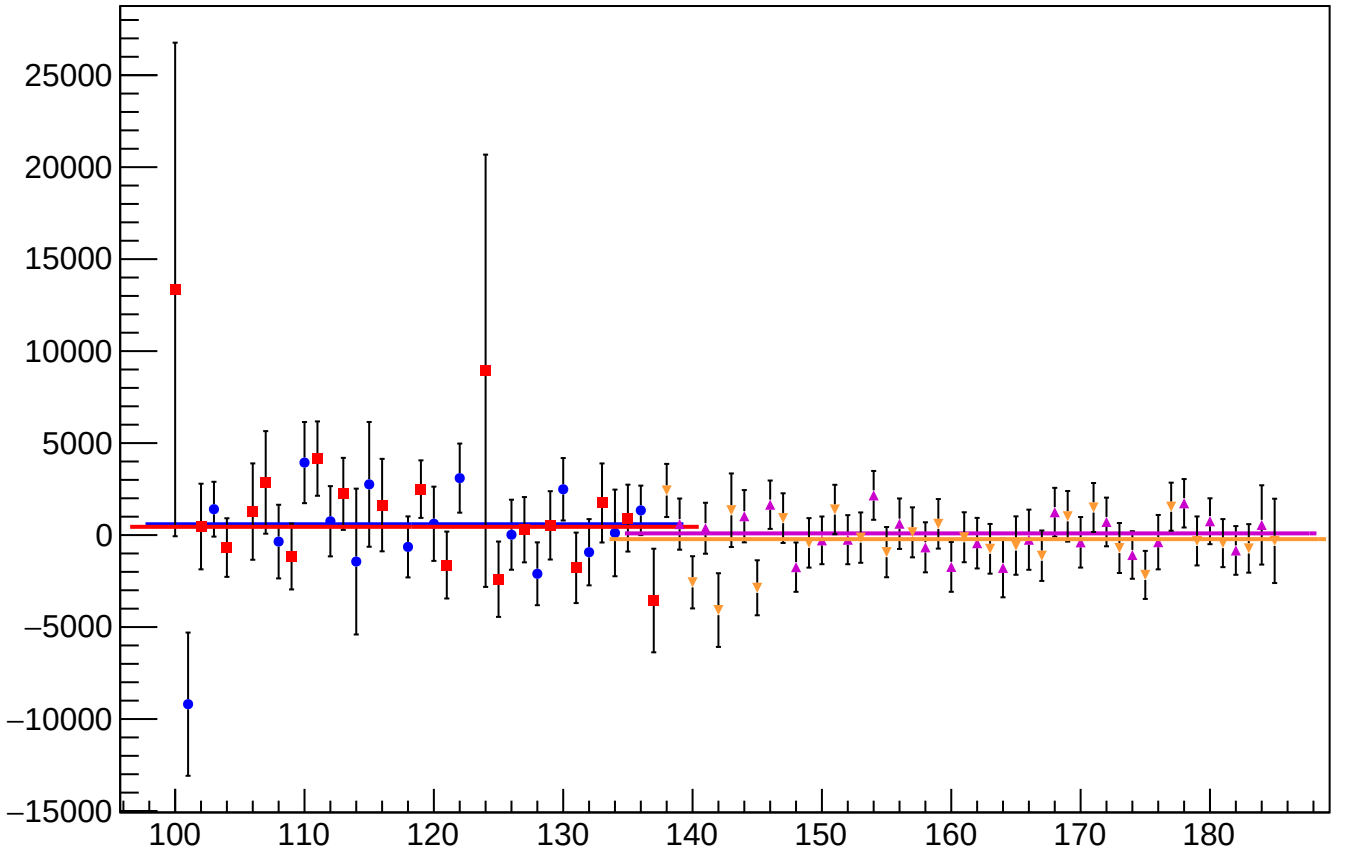
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 632.015+/-0.091 χ^2/NDF: 5110511.2/40

All: 631.521+/-0.065 χ^2/NDF: 9820808.9/82

- 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: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

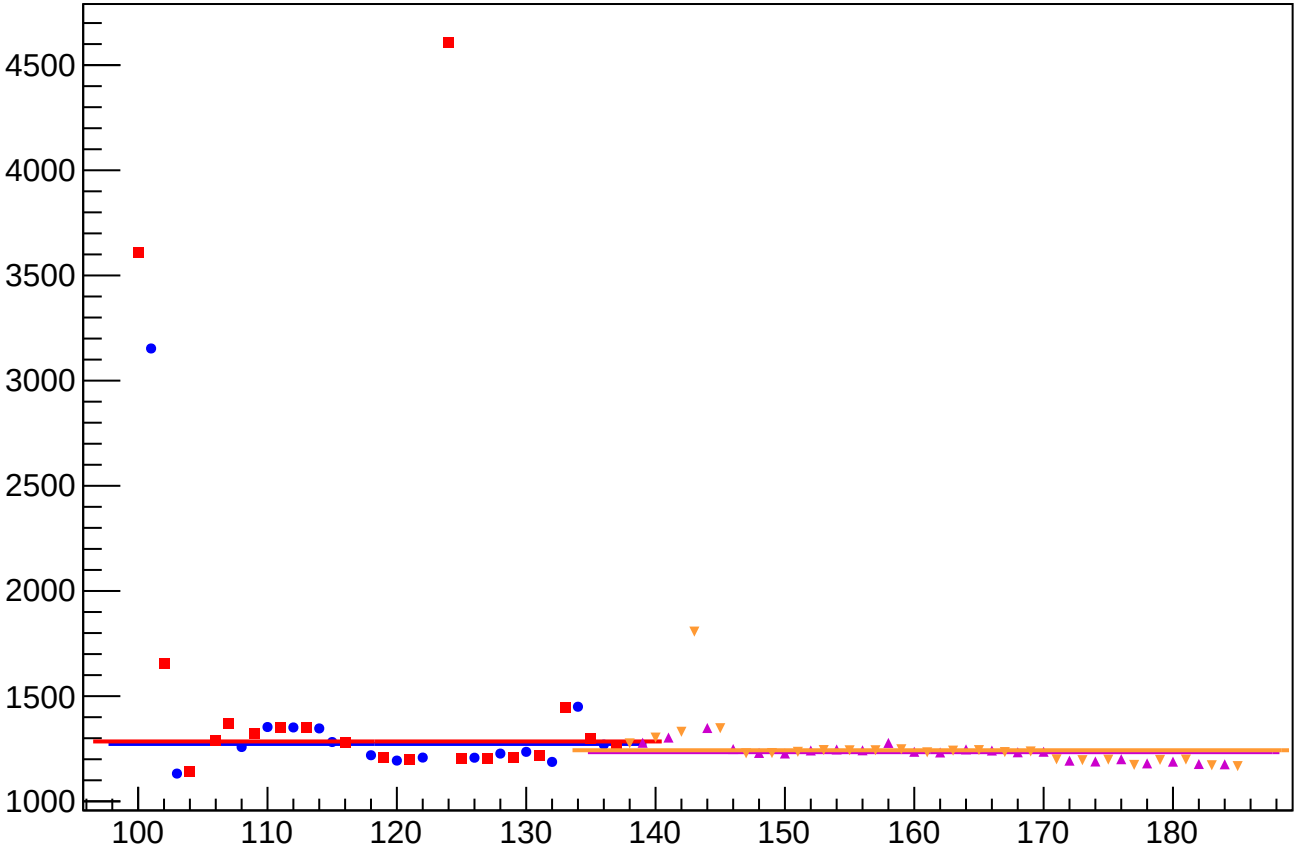
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -13.835+/-244.136 χ^2/NDF: 43.1/40

All: 85.009+/-173.730 χ^2/NDF: 75.3/82

- 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: 1242.825+/-0.200 χ^2/NDF:203299.1/24

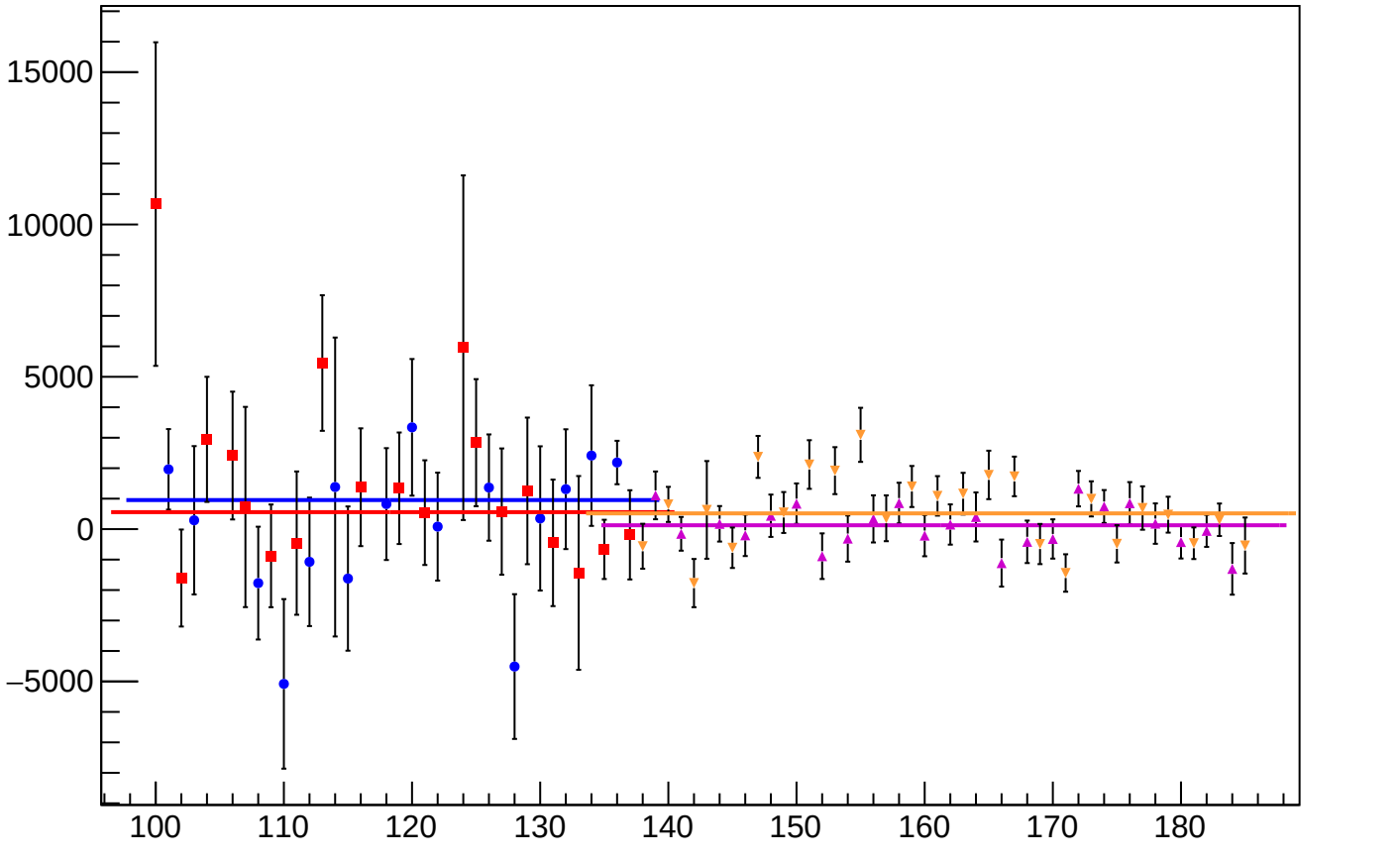
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.502+/-0.173 χ^2/NDF: 728344.1/40

All: 1248.865+/-0.123 χ^2/NDF: 1113006.9/82

- 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: 516.811+/-135.747 χ^2/NDF:67.0/24

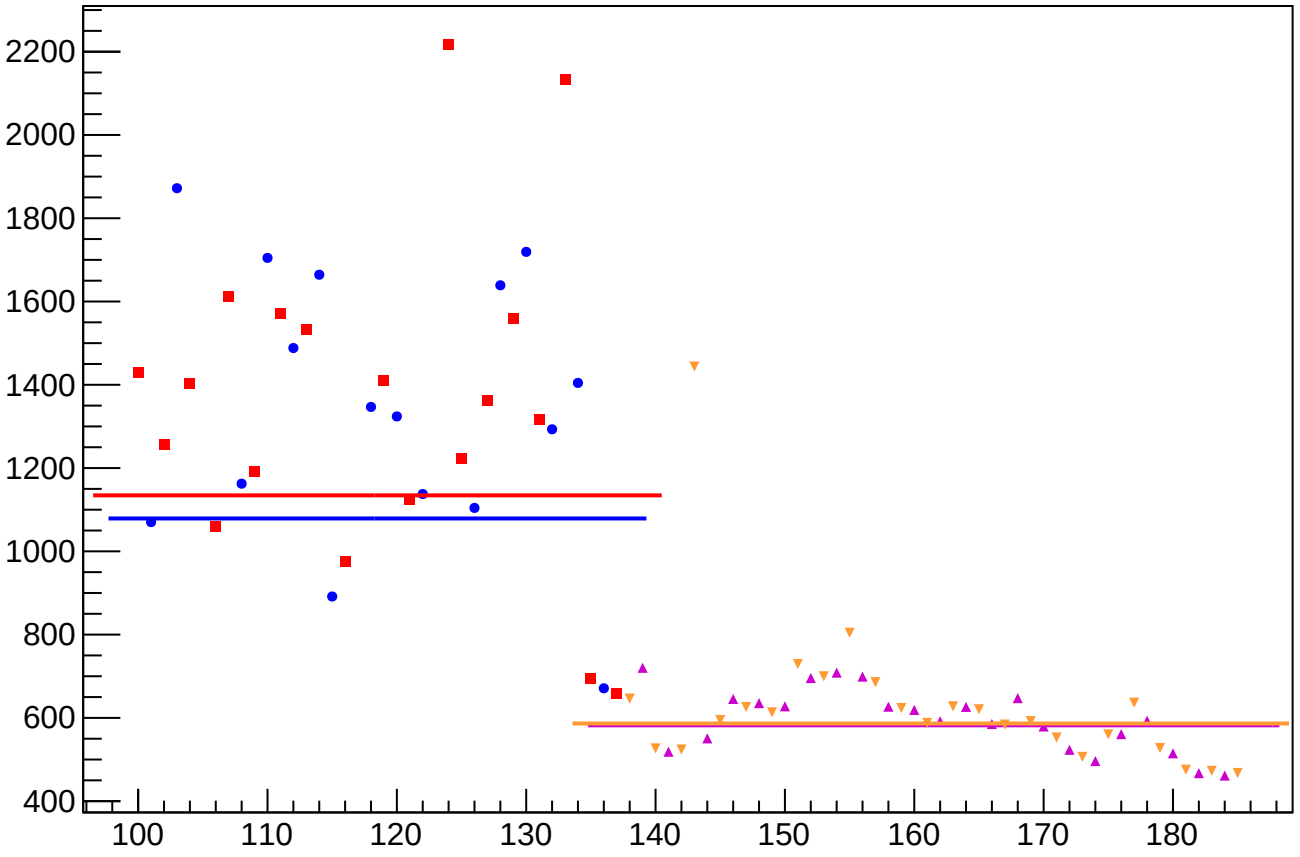
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 557.184+/-129.330 χ^2/NDF: 87.8/40

All: 363.541+/-92.055 χ^2/NDF: 133.2/82

- 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: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

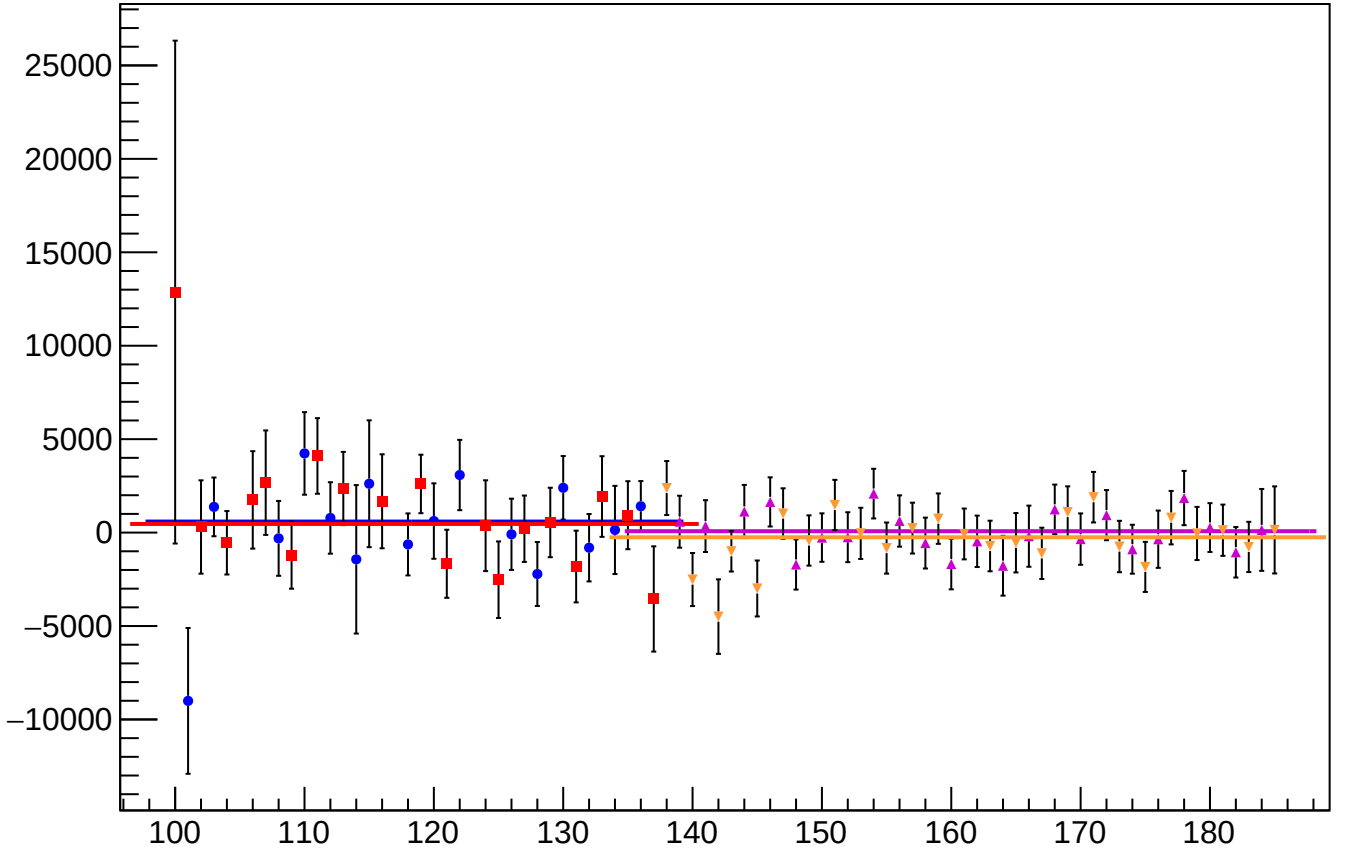
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 632.015+/-0.091 χ^2/NDF: 5110511.2/40

All: 631.521+/-0.065 χ^2/NDF: 9820808.9/82

- sign 631.014+/-0.093 χ^2/NDF: 4710238.7/41

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

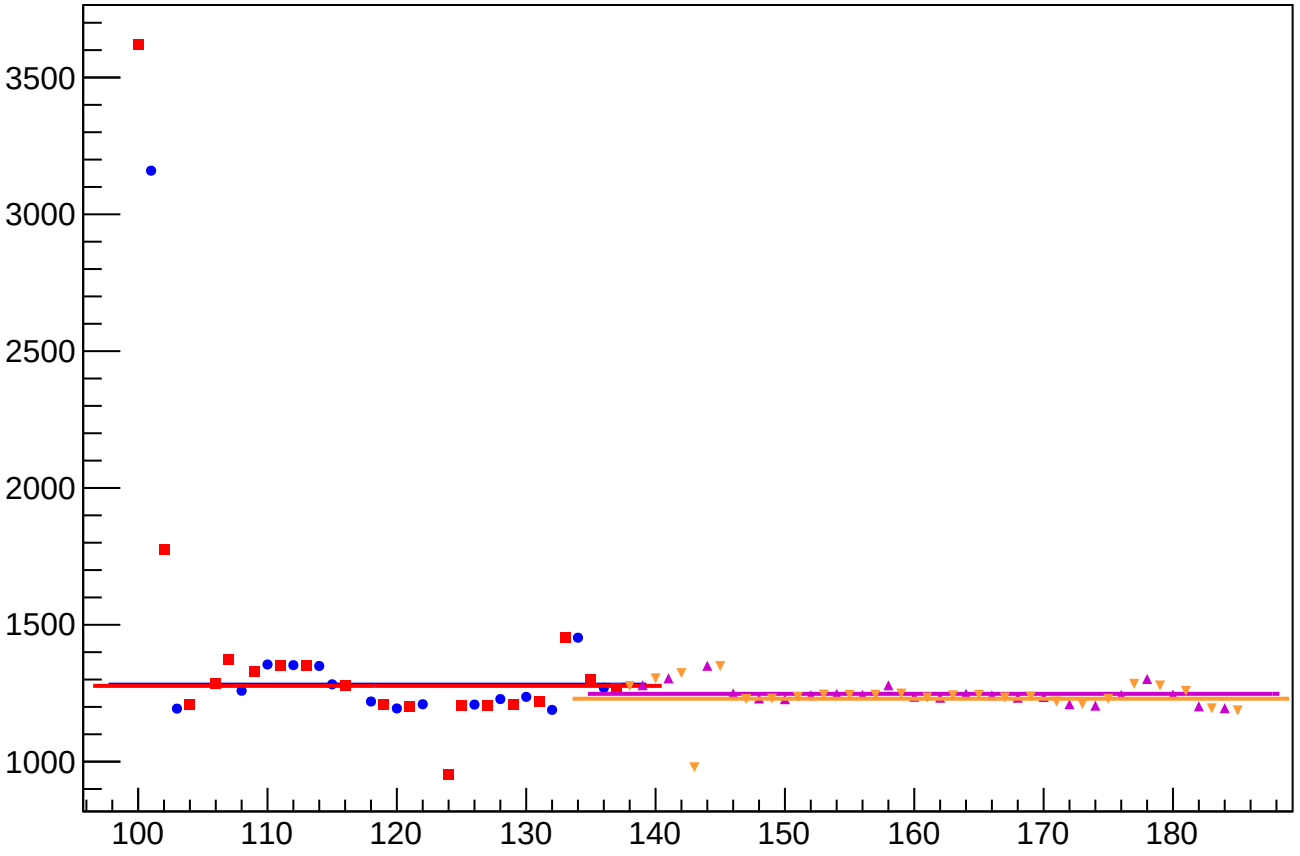
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -40.974+/-242.500 χ^2/NDF: 43.4/40

All: 66.906+/-173.616 χ^2/NDF: 75.0/82

- 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: 1229.986+/-0.198 χ^2/NDF:141607.5/24

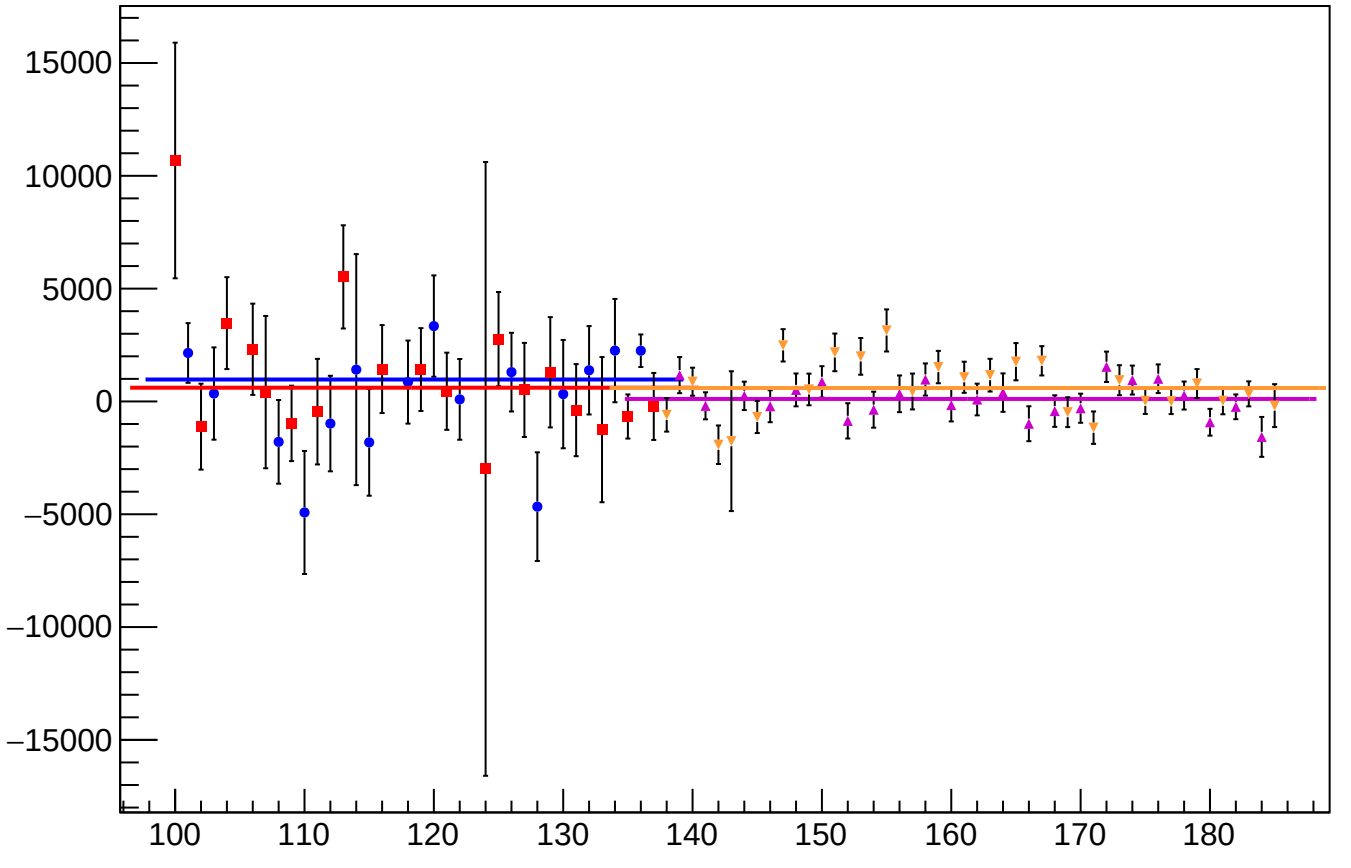
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1242.806+/-0.171 χ^2/NDF: 665499.7/40

All: 1249.088+/-0.123 χ^2/NDF: 921521.7/82

- 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: 595.000+/-142.130 χ^2/NDF:57.3/24

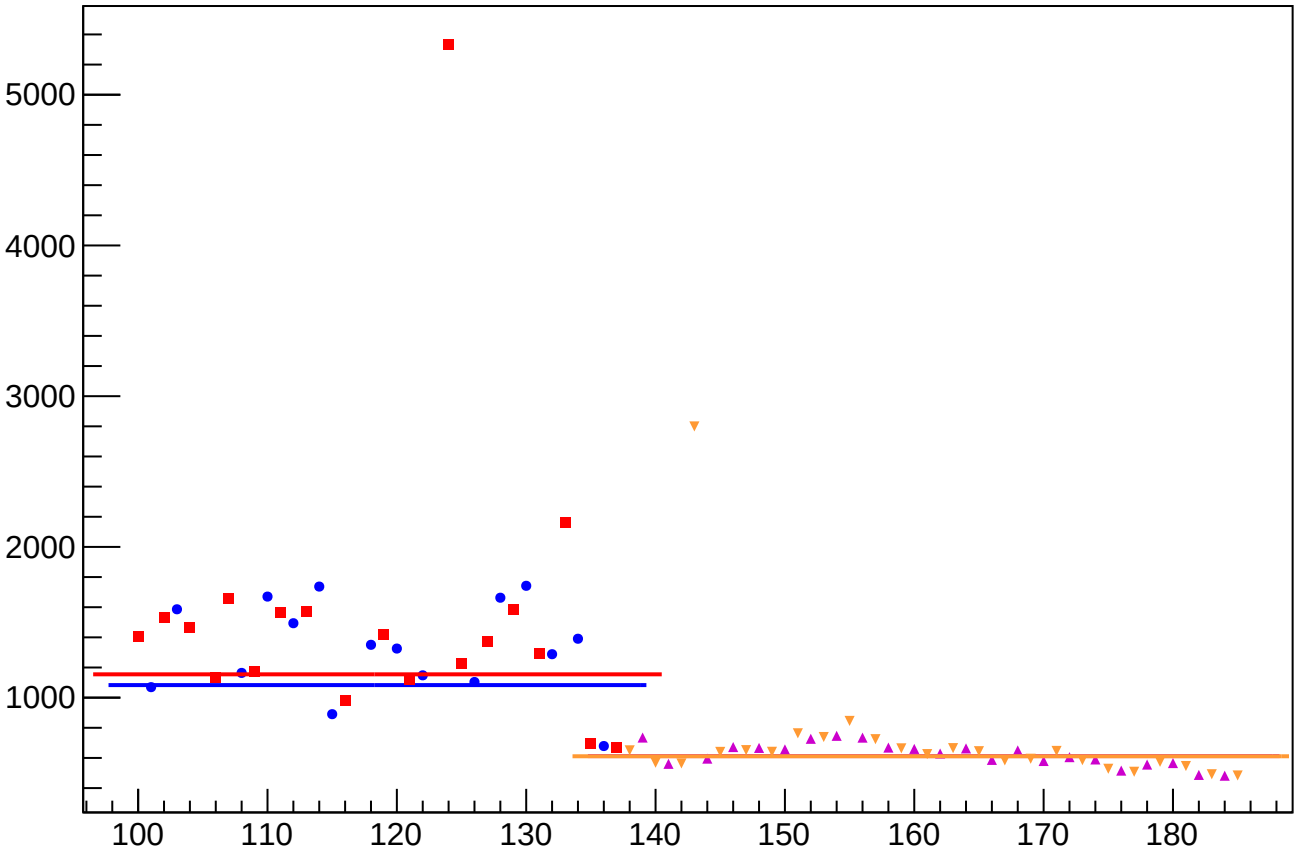
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 632.916+/-134.800 χ^2/NDF: 78.5/40

All: 399.349+/-96.184 χ^2/NDF: 128.6/82

- 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: 611.087+/-0.101 χ^2/NDF:1619322.3/24

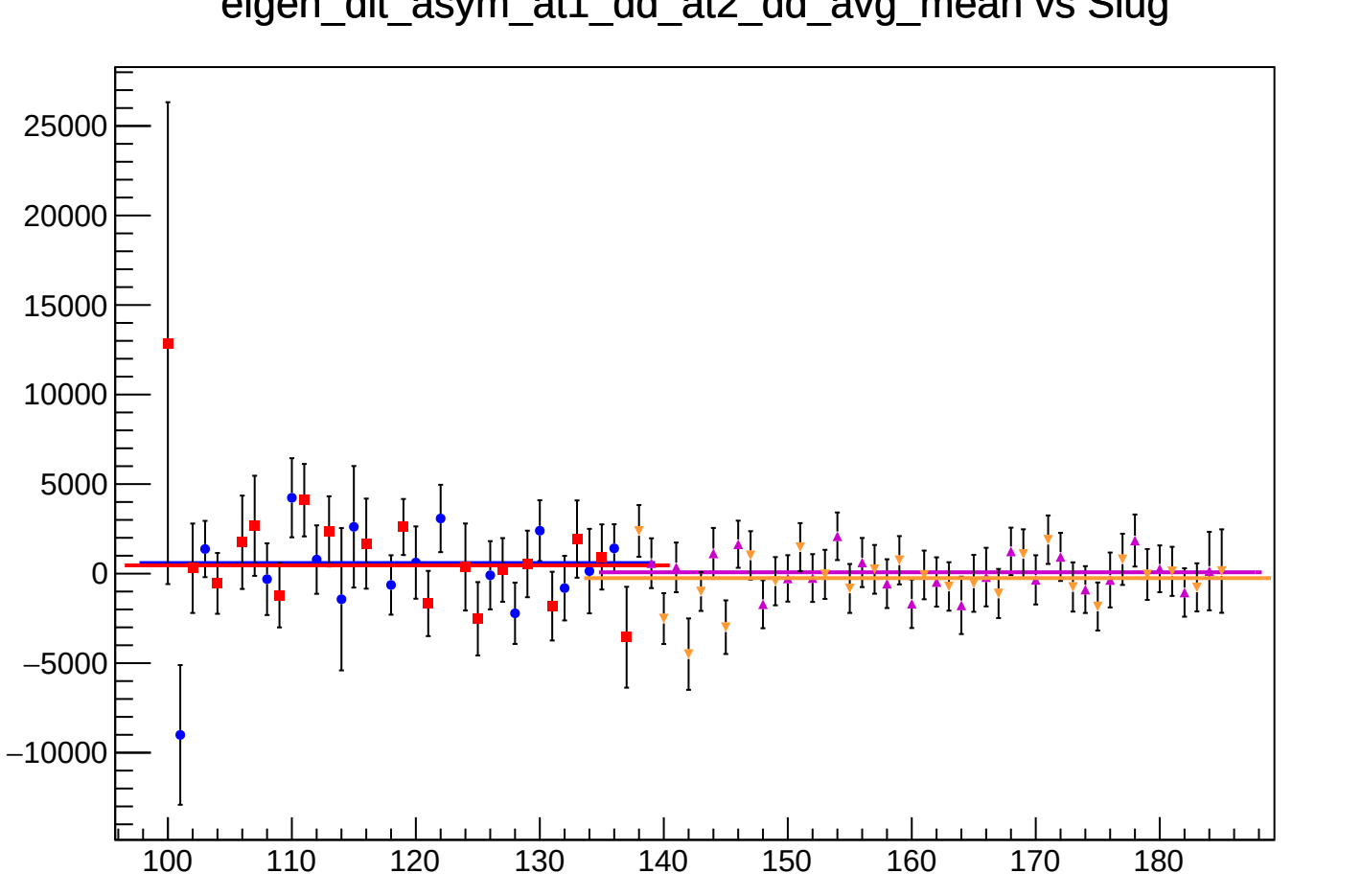
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 658.546+/-0.095 χ^2/NDF: 5198429.3/40

All: 660.922+/-0.068 χ^2/NDF: 9855053.8/82

- 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: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

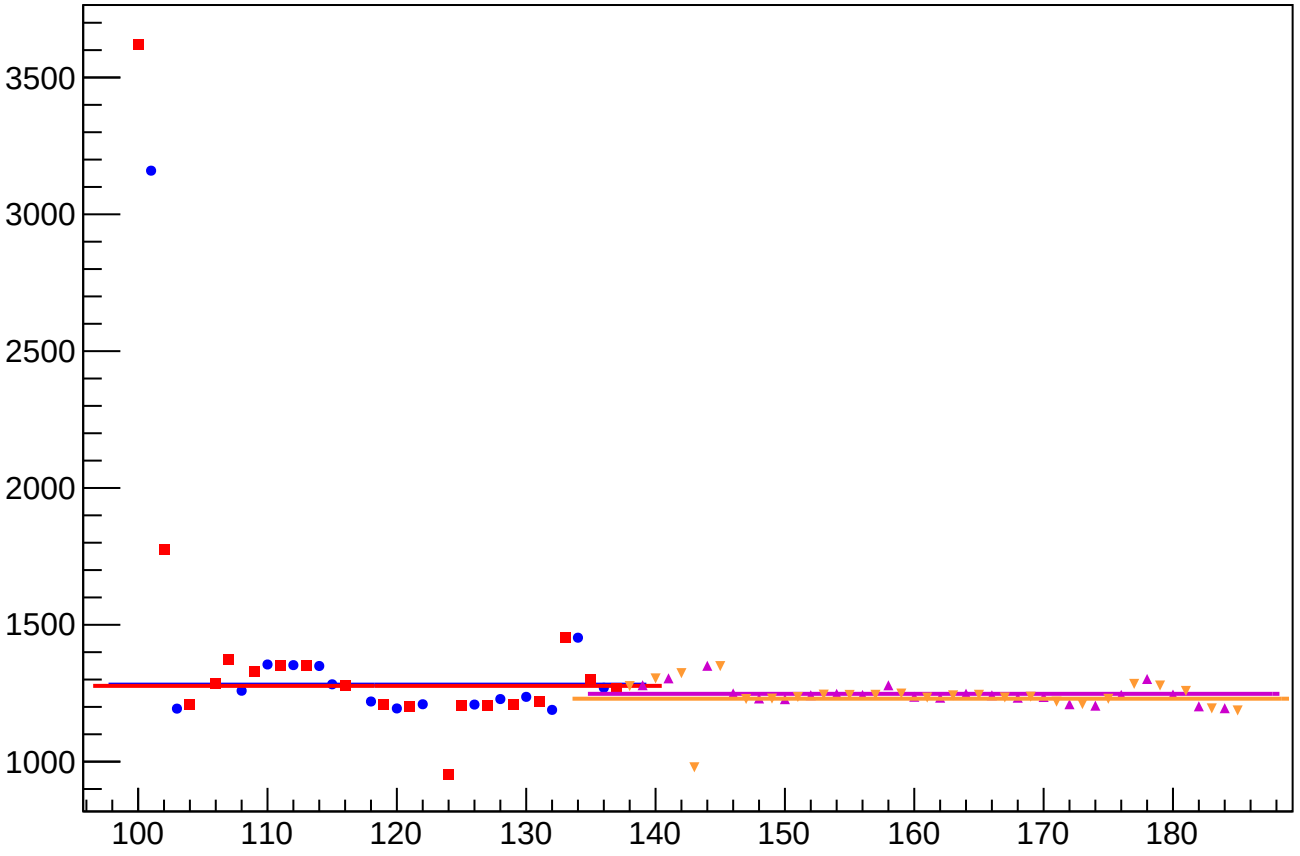
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -40.974+/-242.500 χ^2/NDF: 43.4/40

All: 66.906+/-173.616 χ^2/NDF: 75.0/82

- 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: 1229.986+/-0.198 χ^2/NDF:141606.6/24

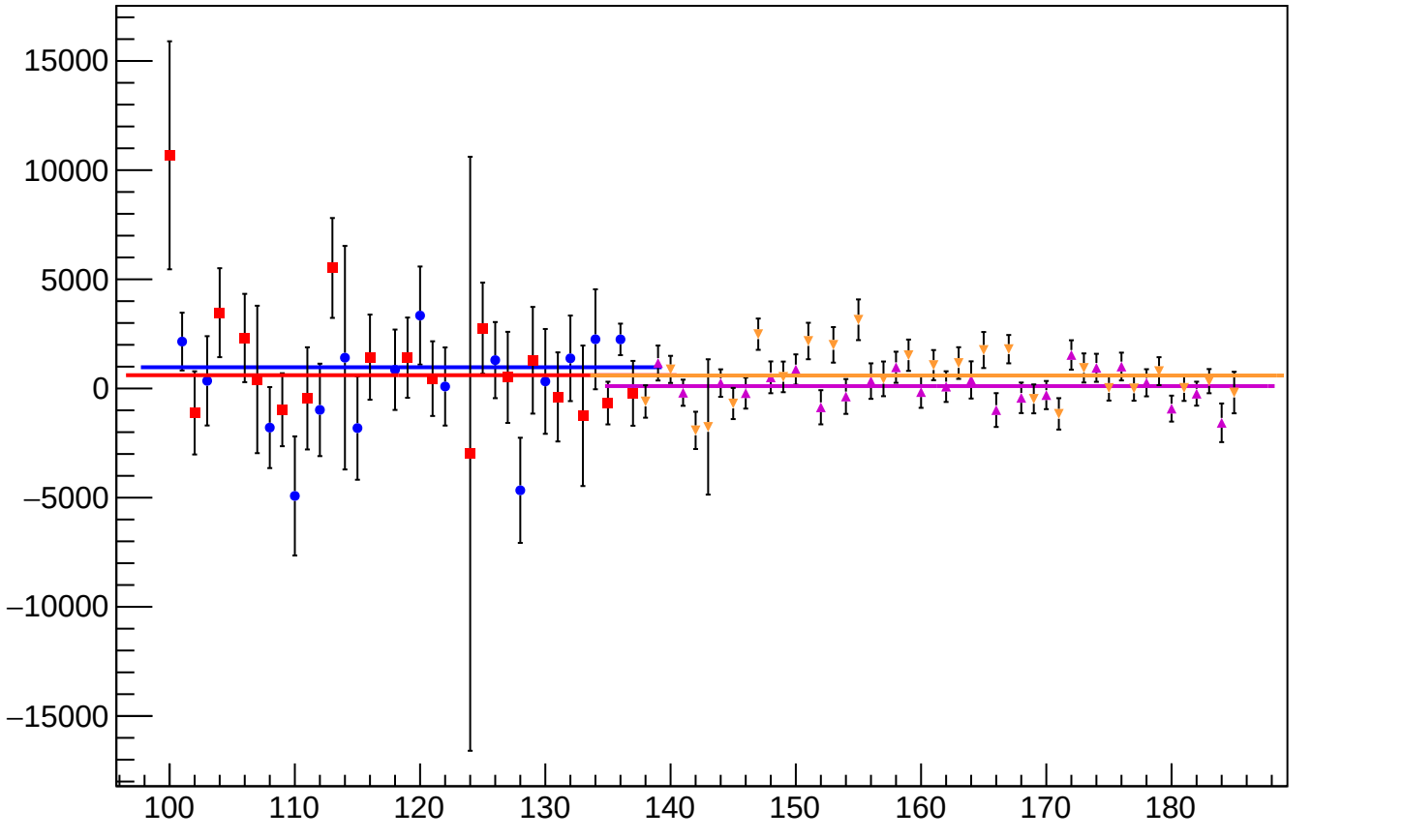
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1242.806+/-0.171 χ^2/NDF: 665498.9/40

All: 1249.088+/-0.123 χ^2/NDF: 921520.6/82

- 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: 595.000+/-142.130 χ^2/NDF:57.3/24

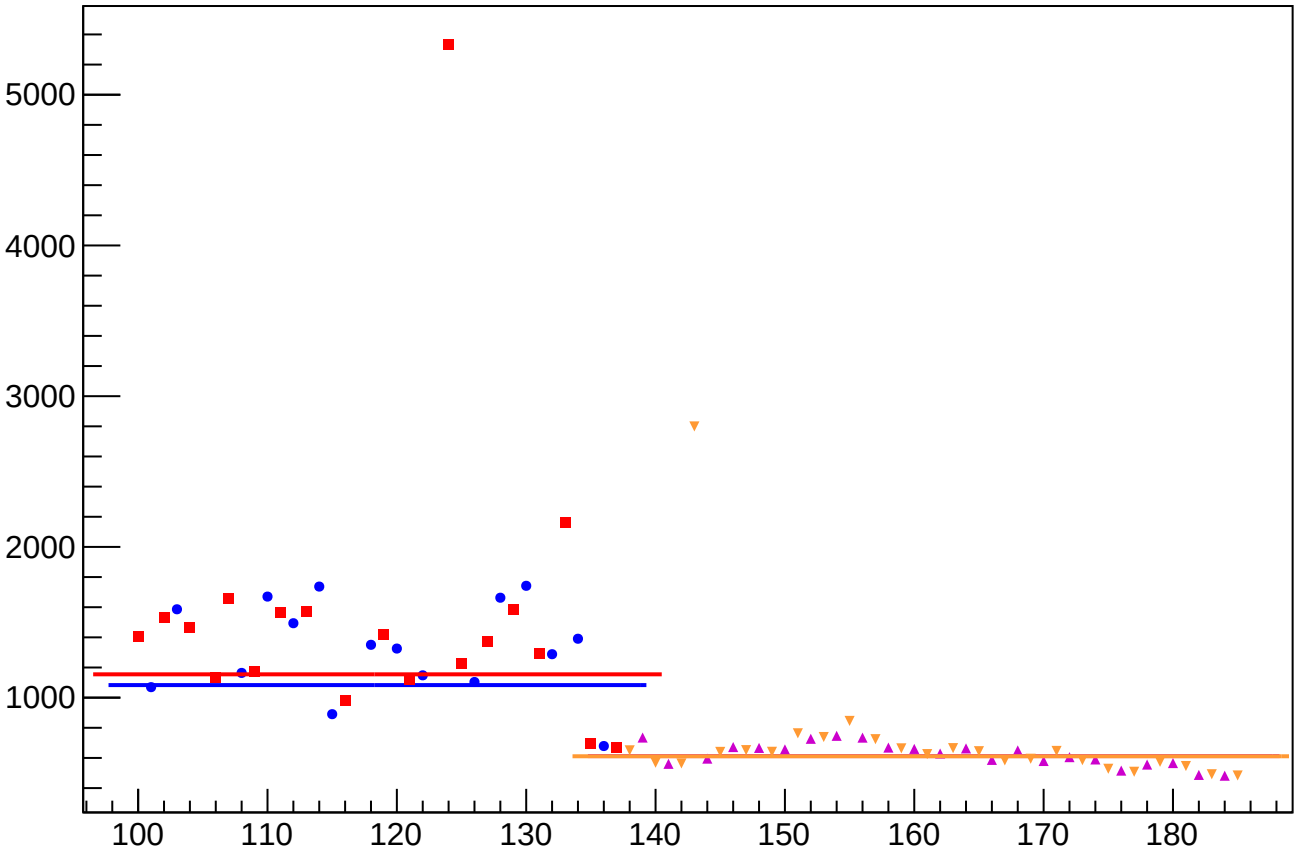
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 632.915+/-134.800 χ^2/NDF: 78.5/40

All: 399.348+/-96.184 χ^2/NDF: 128.6/82

\- 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: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

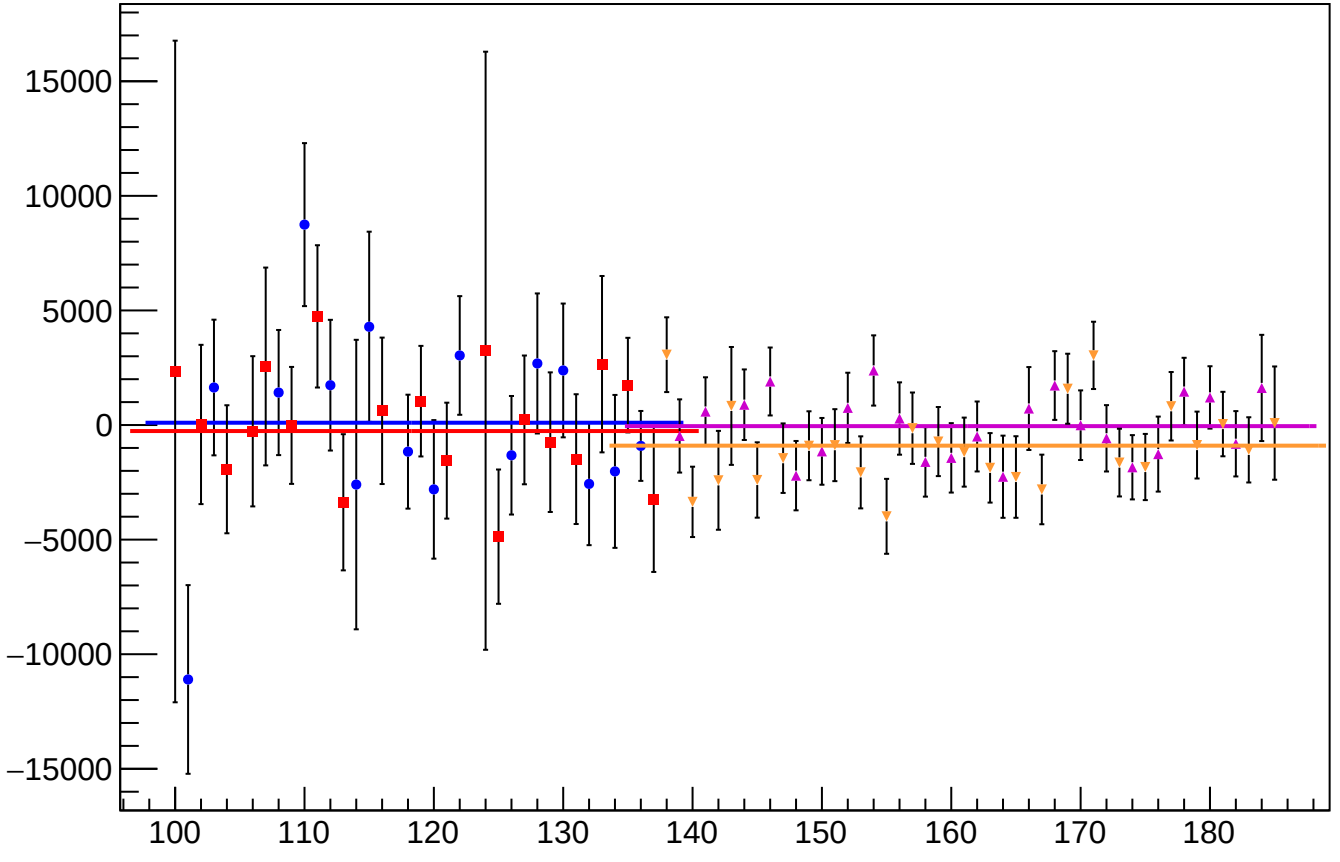
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 658.546+/-0.095 χ^2/NDF: 5198416.6/40

All: 660.922+/-0.068 χ^2/NDF: 9855048.3/82

- 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: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

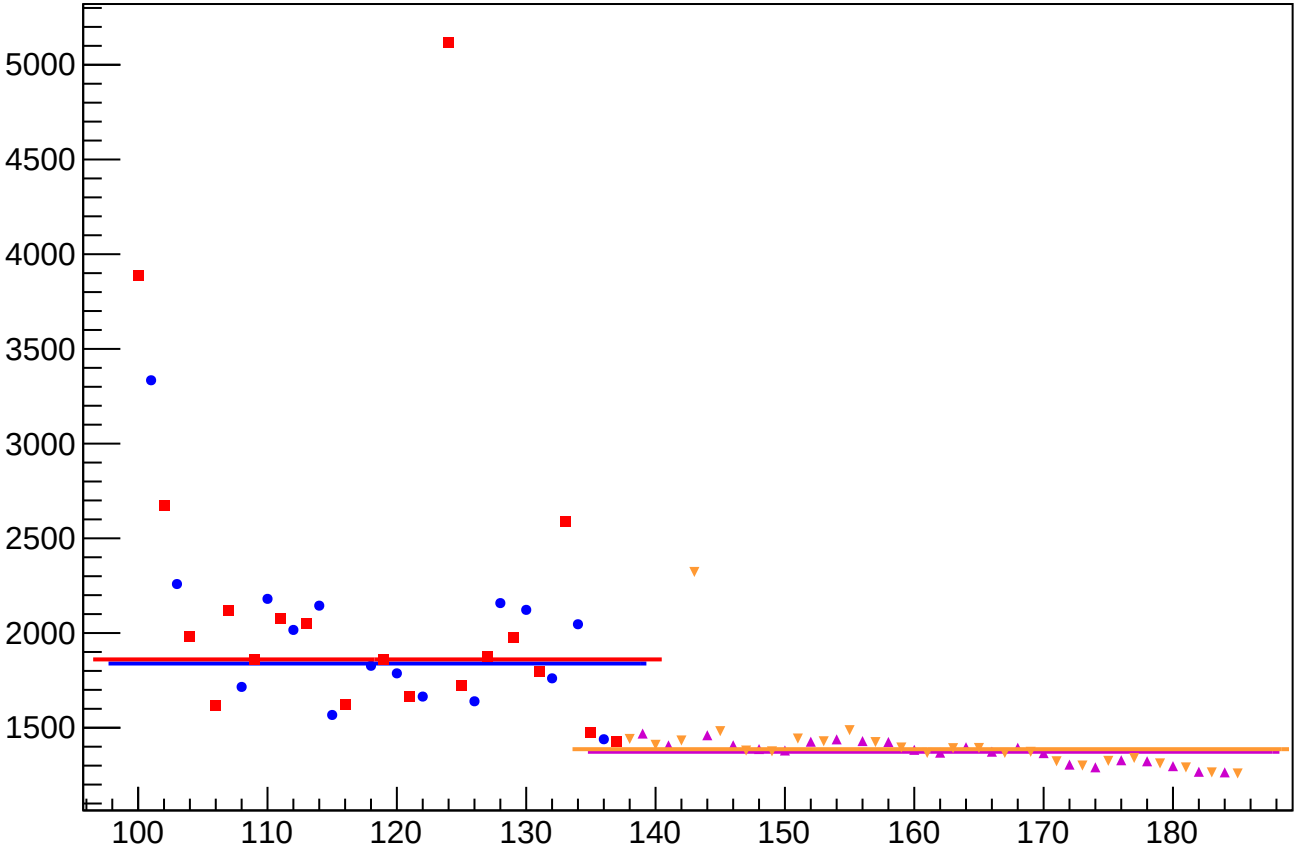
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

\+ sign -729.737+/-288.282 χ^2/NDF: 52.8/40

All: -411.410+/-205.047 χ^2/NDF: 83.6/82

\- 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: 1386.845+/-0.224 χ^2/NDF:339794.5/24

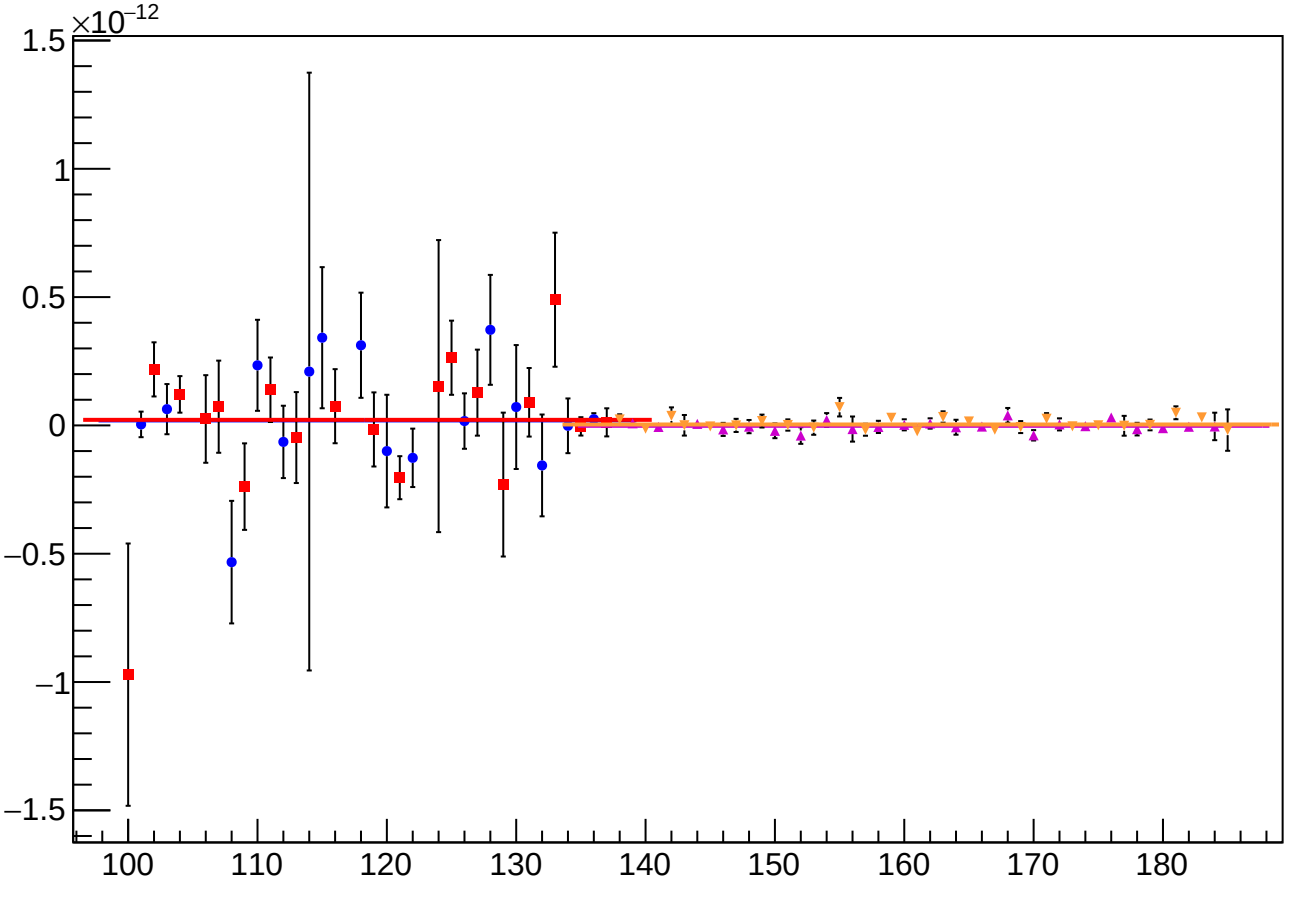
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1463.775+/-0.204 χ^2/NDF: 1591411.8/40

All: 1460.898+/-0.145 χ^2/NDF: 2980601.6/82

- 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:24.8/24

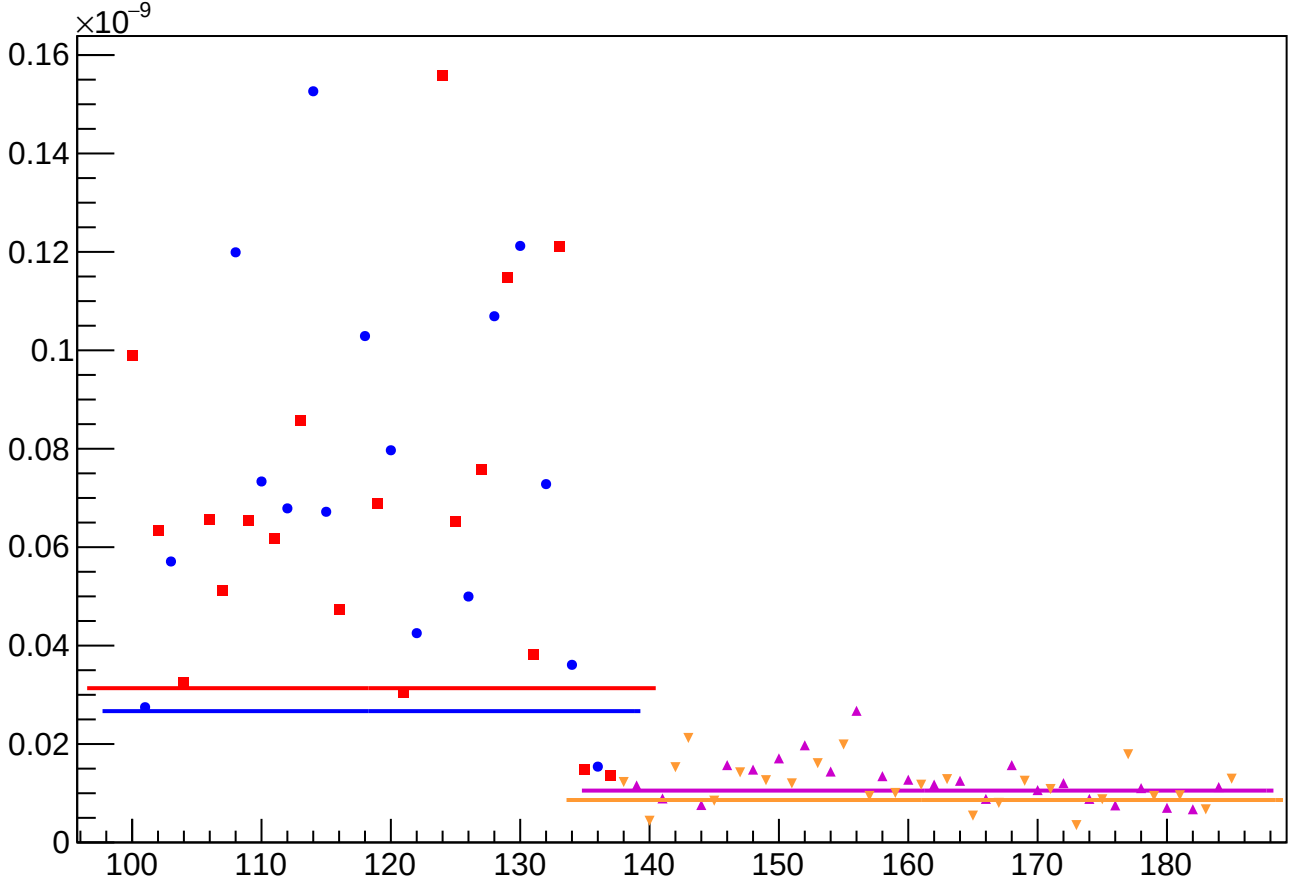
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/40

All: 0.000+/-0.000 χ^2/NDF: 85.4/82

- 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:2148494.6/24

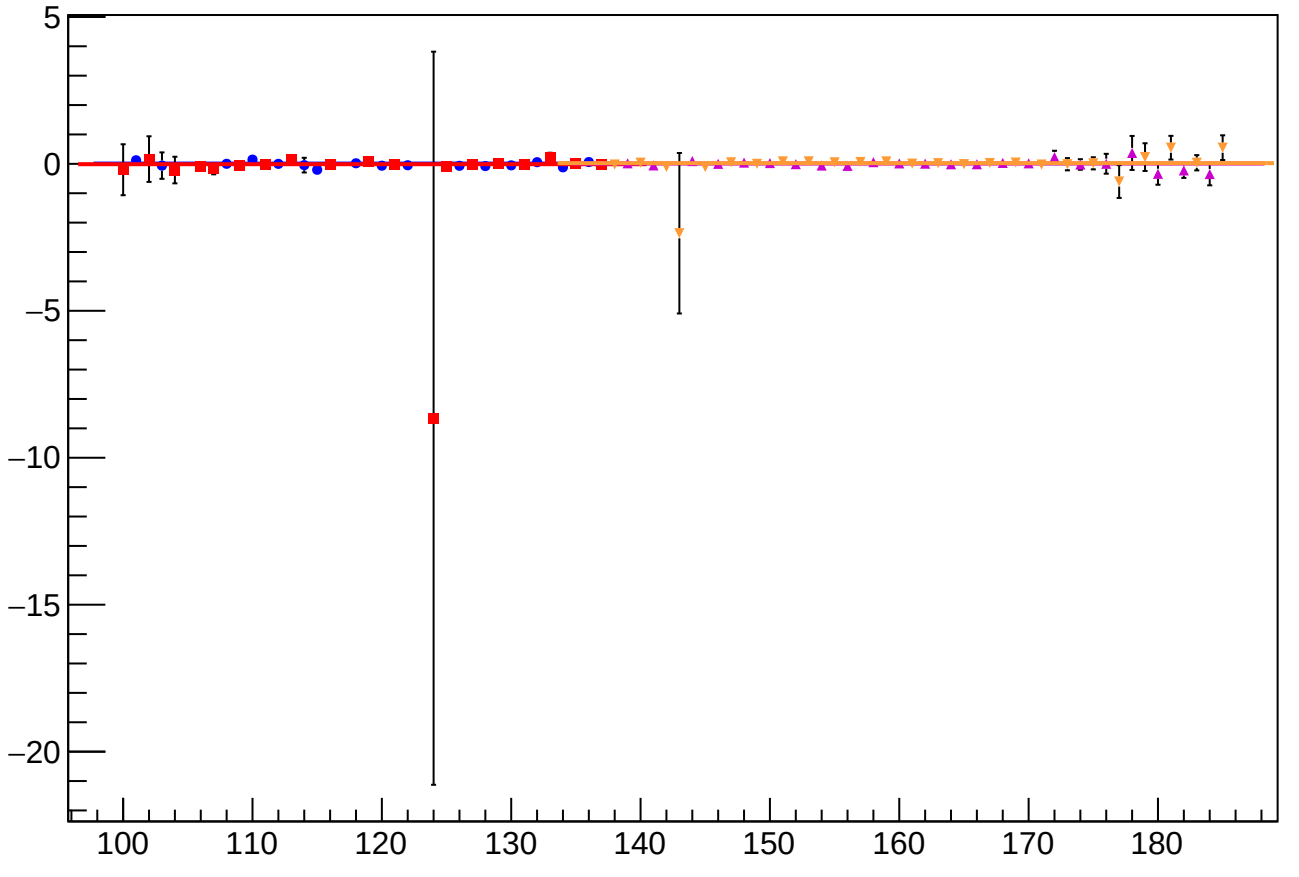
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6500855.1/40

All: 0.000+/-0.000 χ^2/NDF: 11926388.7/82

- 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:22.8/24

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

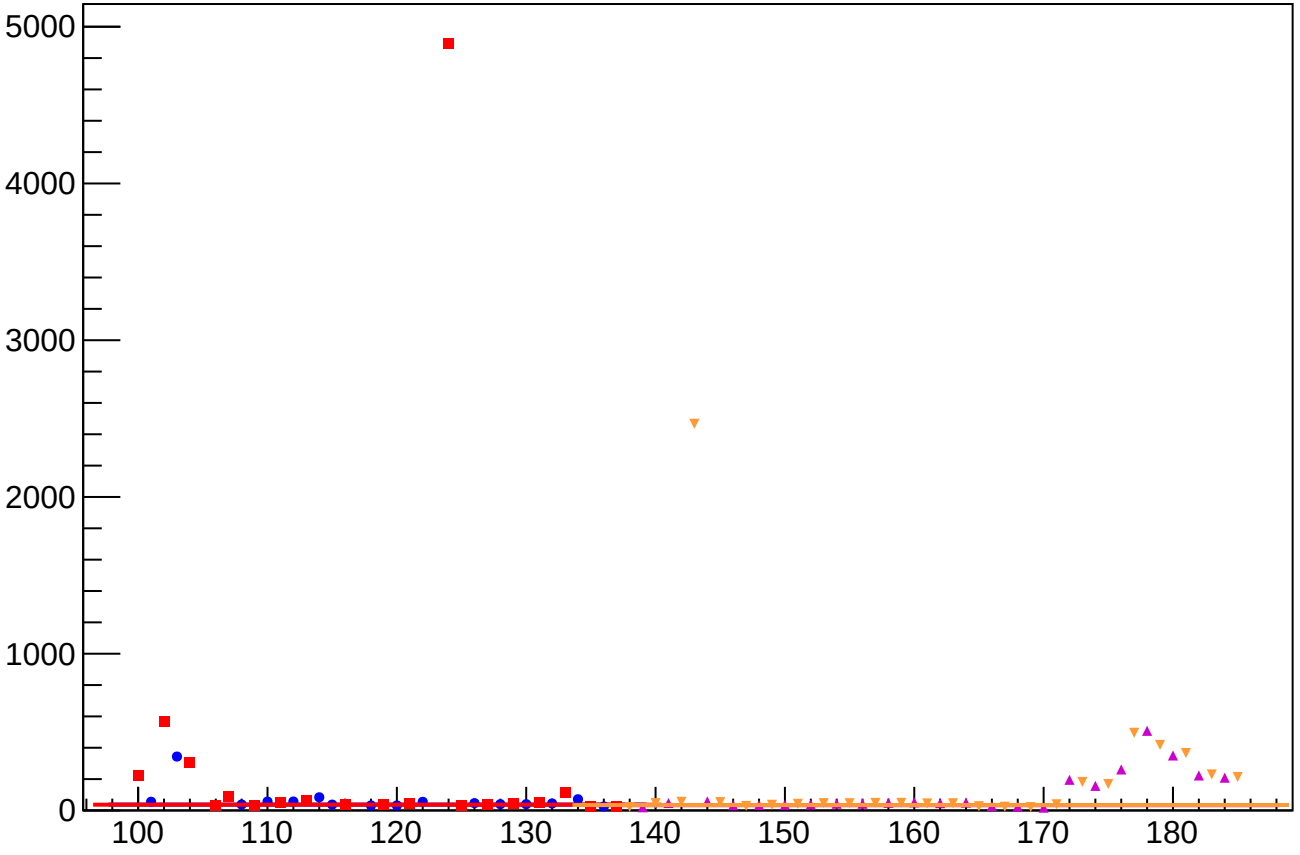
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 73.0/82

- 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: 34.624+/-0.007 χ^2/NDF:11402451.4/24

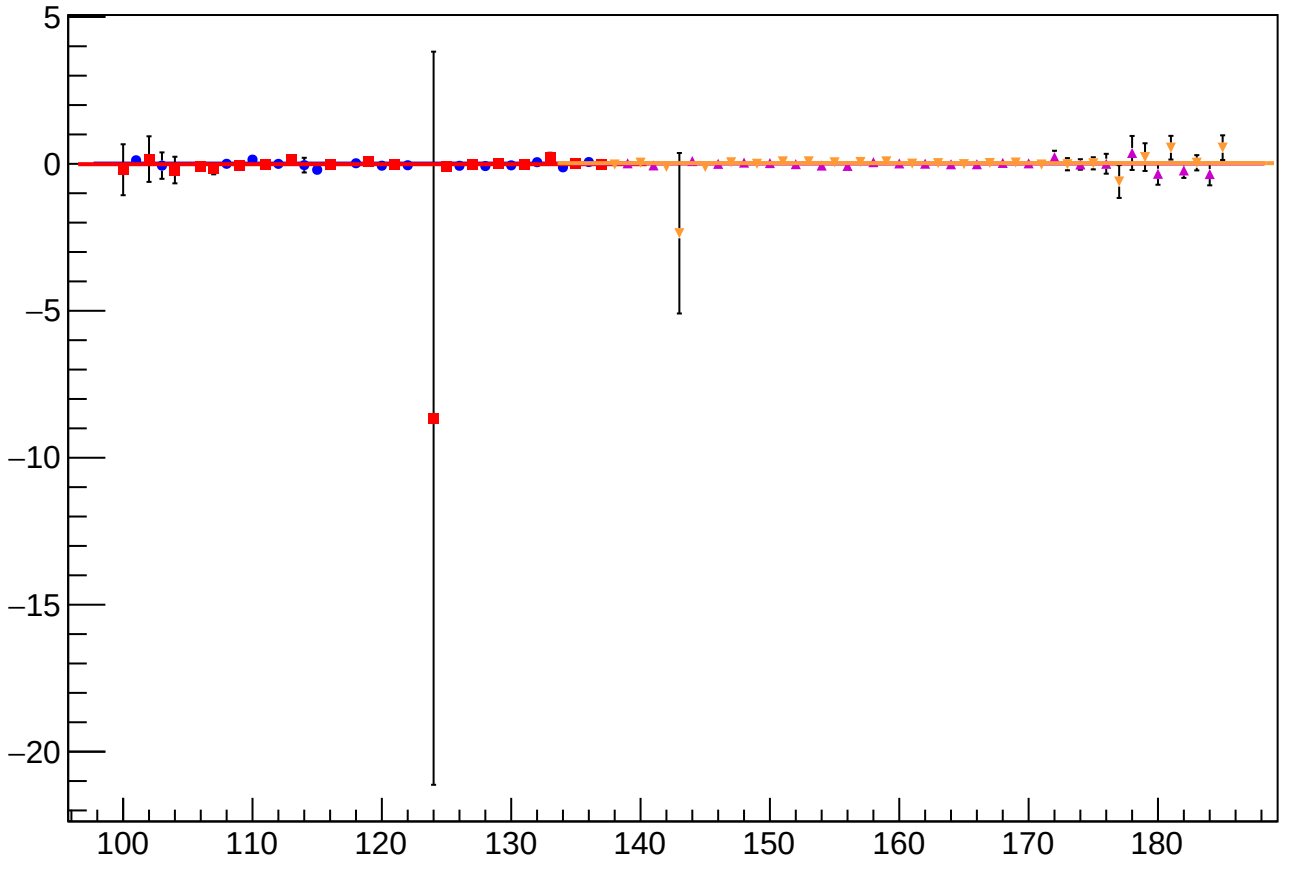
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.448+/-0.006 χ^2/NDF: 13431173.6/40

All: 34.933+/-0.004 χ^2/NDF: 26757227.8/82

\- 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:22.8/24

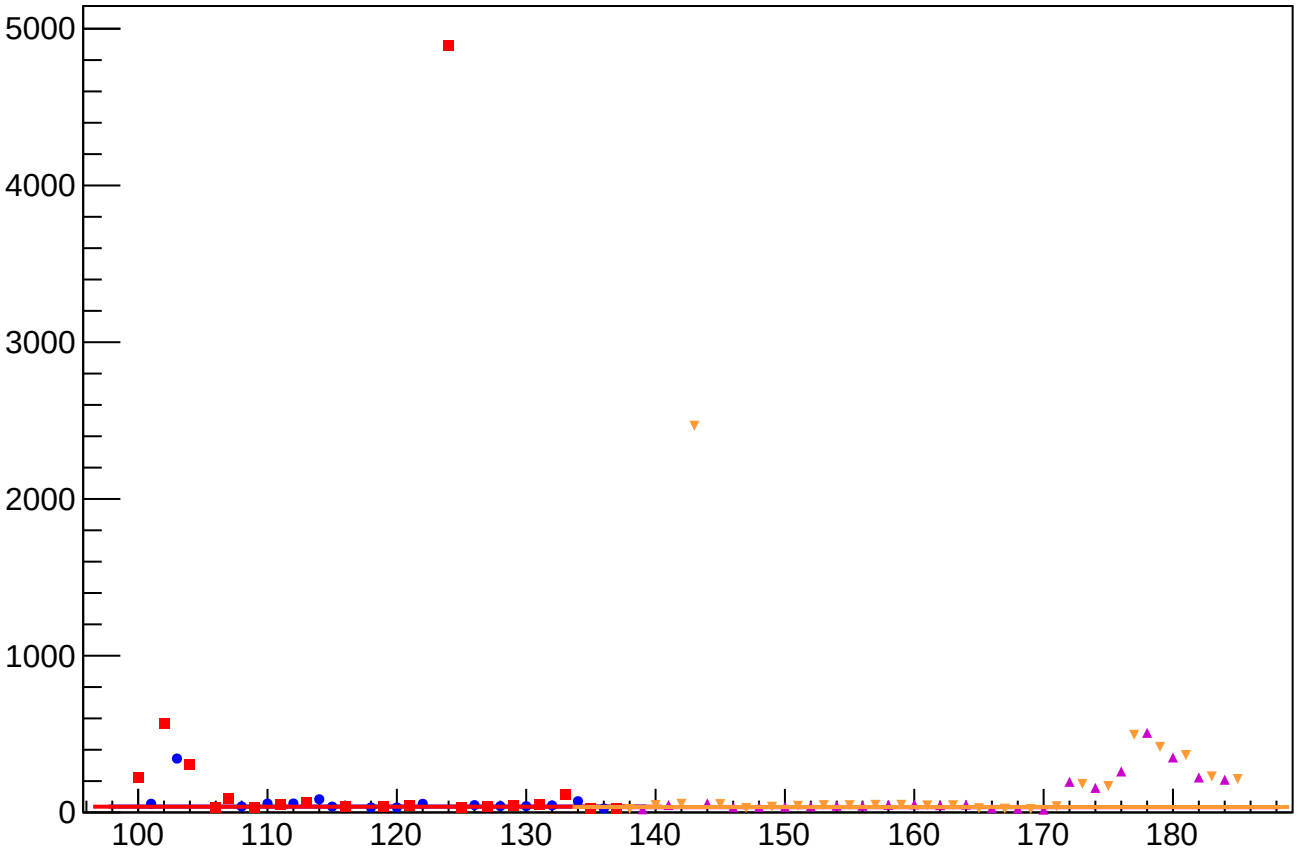
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 73.0/82

- 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: 34.624+/-0.007 χ^2/NDF:11402451.4/24

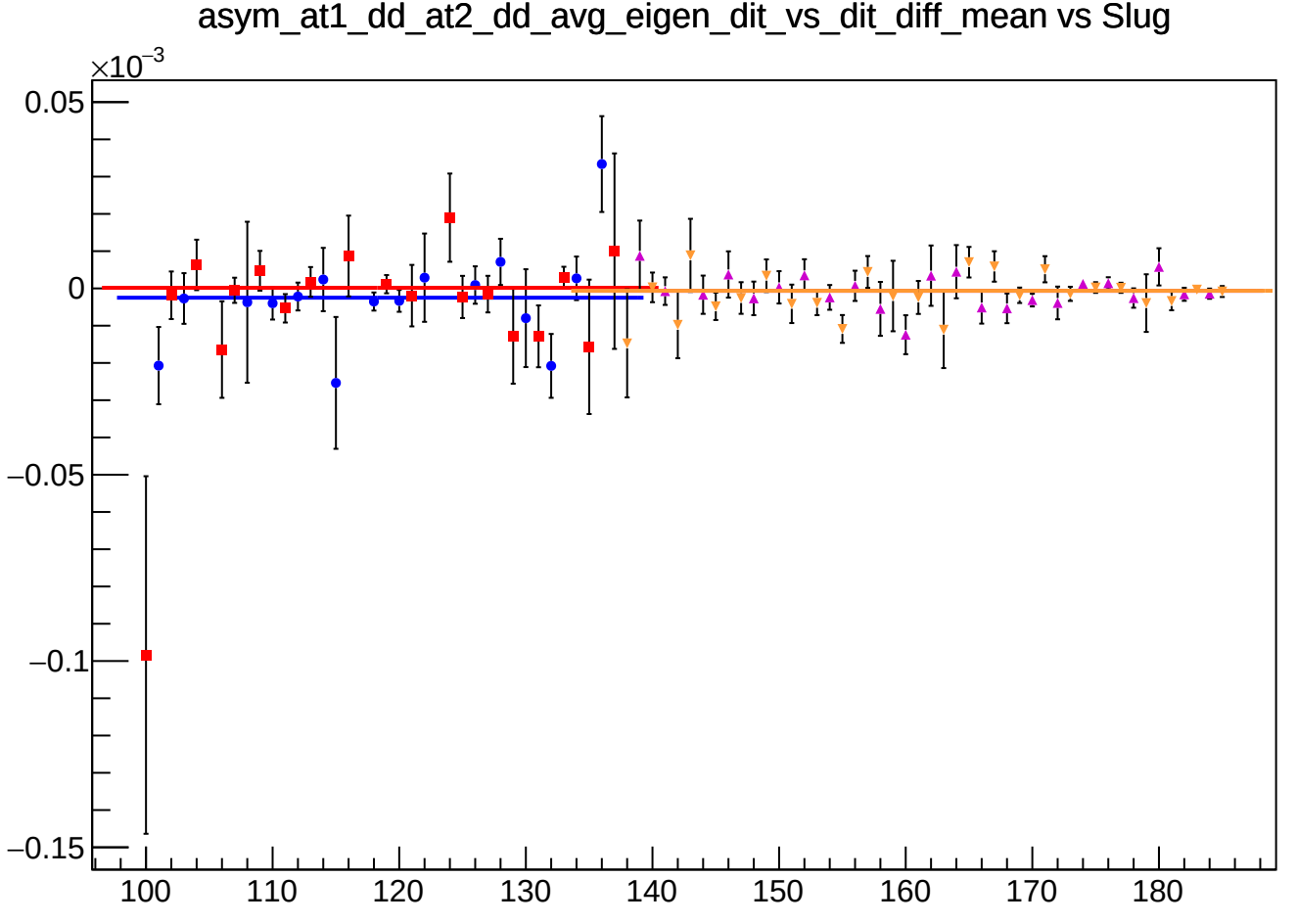
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.448+/-0.006 χ^2/NDF: 13431173.6/40

All: 34.933+/-0.004 χ^2/NDF: 26757227.8/82

\- 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:28.4/24

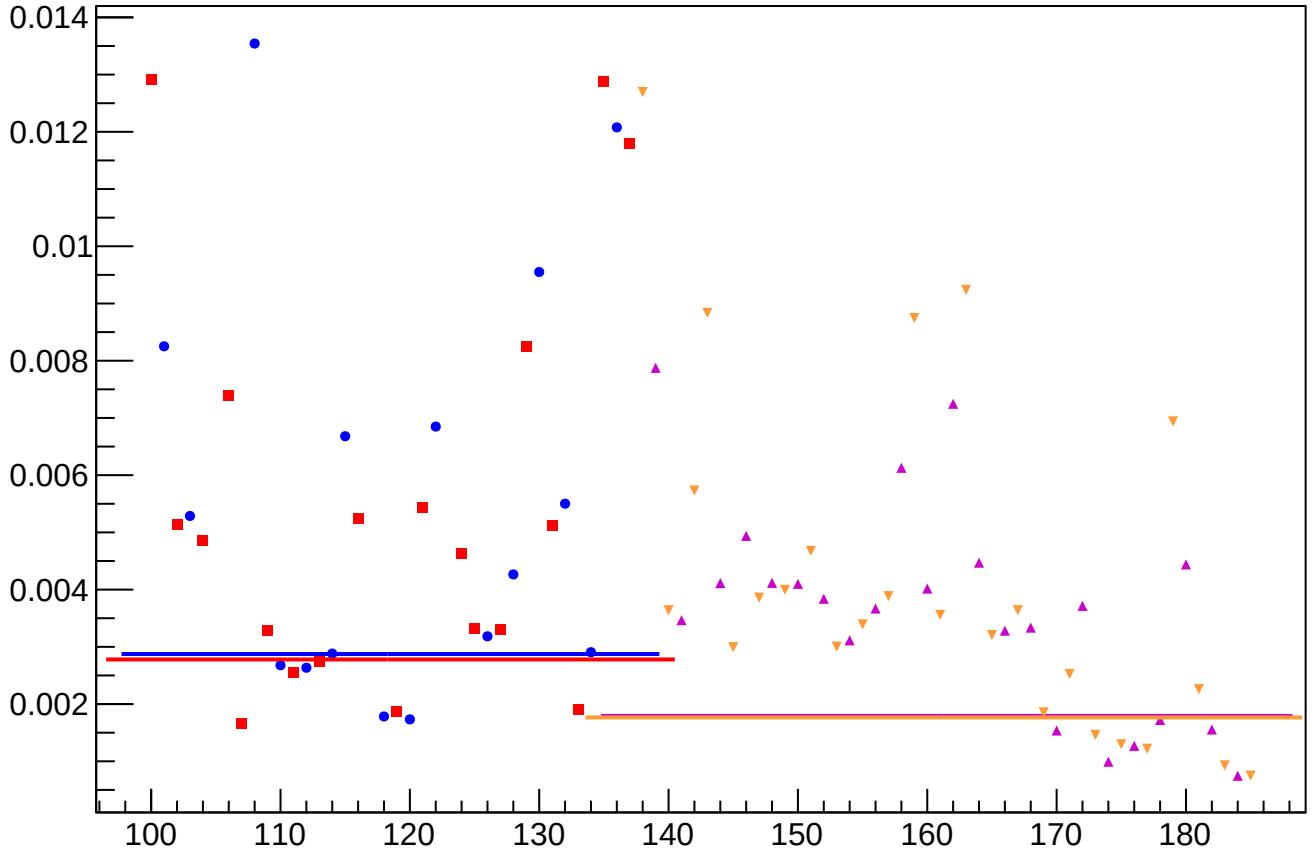
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/40

All: -0.000+/-0.000 χ^2/NDF: 93.5/82

- 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:12926339.2/24

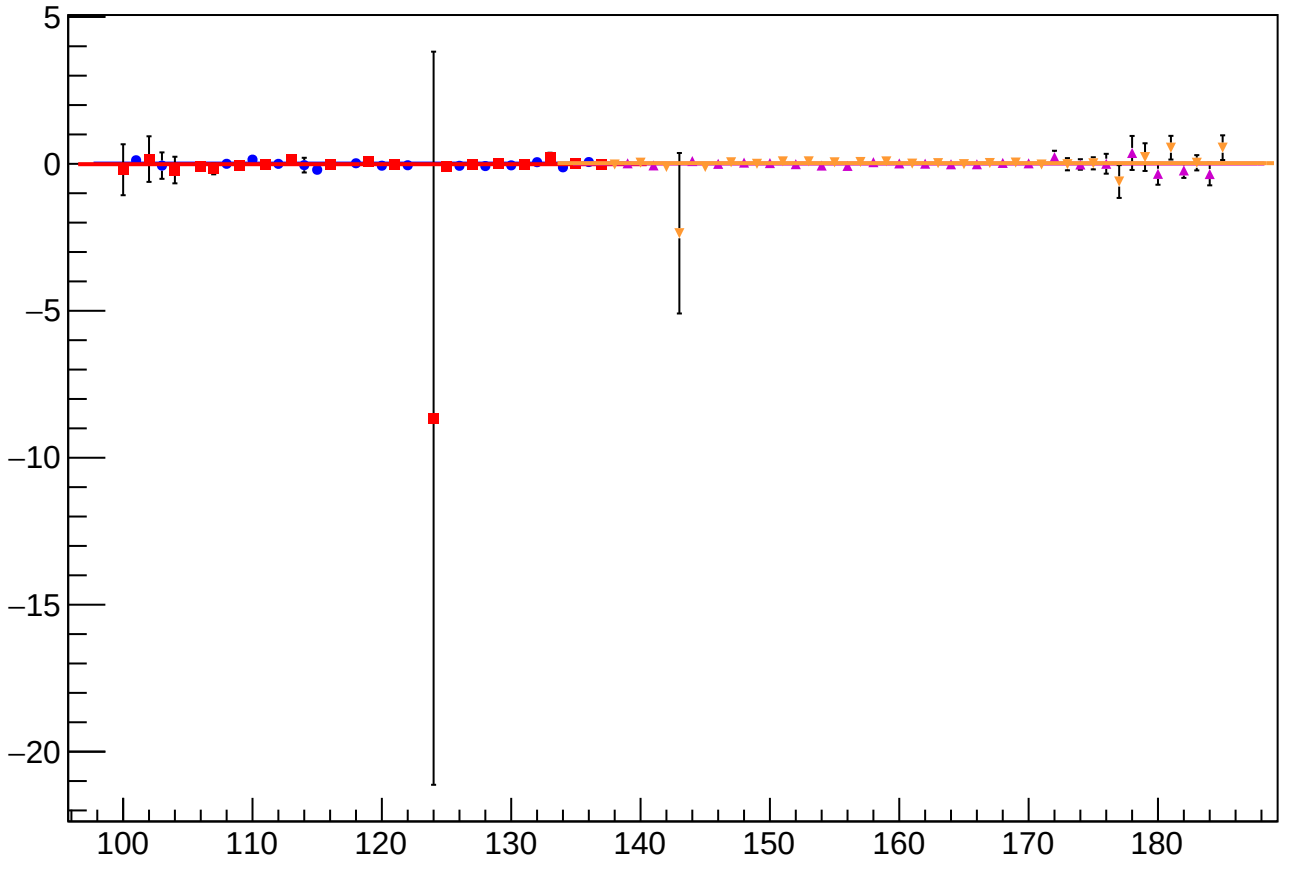
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 18328131.1/40

All: 0.002+/-0.000 χ^2/NDF: 33580790.2/82

- 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:22.8/24

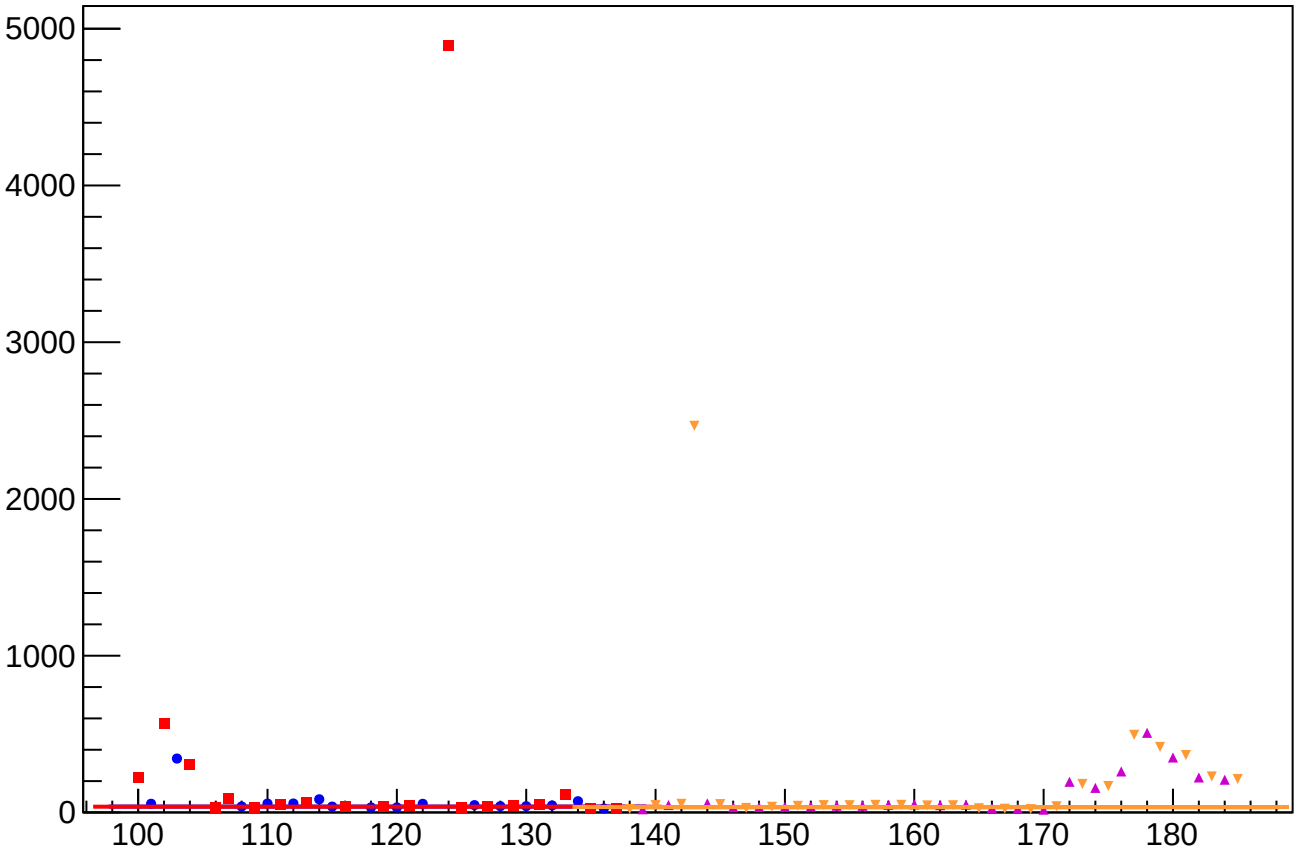
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 73.0/82

- 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: 34.623+/-0.007 χ^2/NDF:11402566.2/24

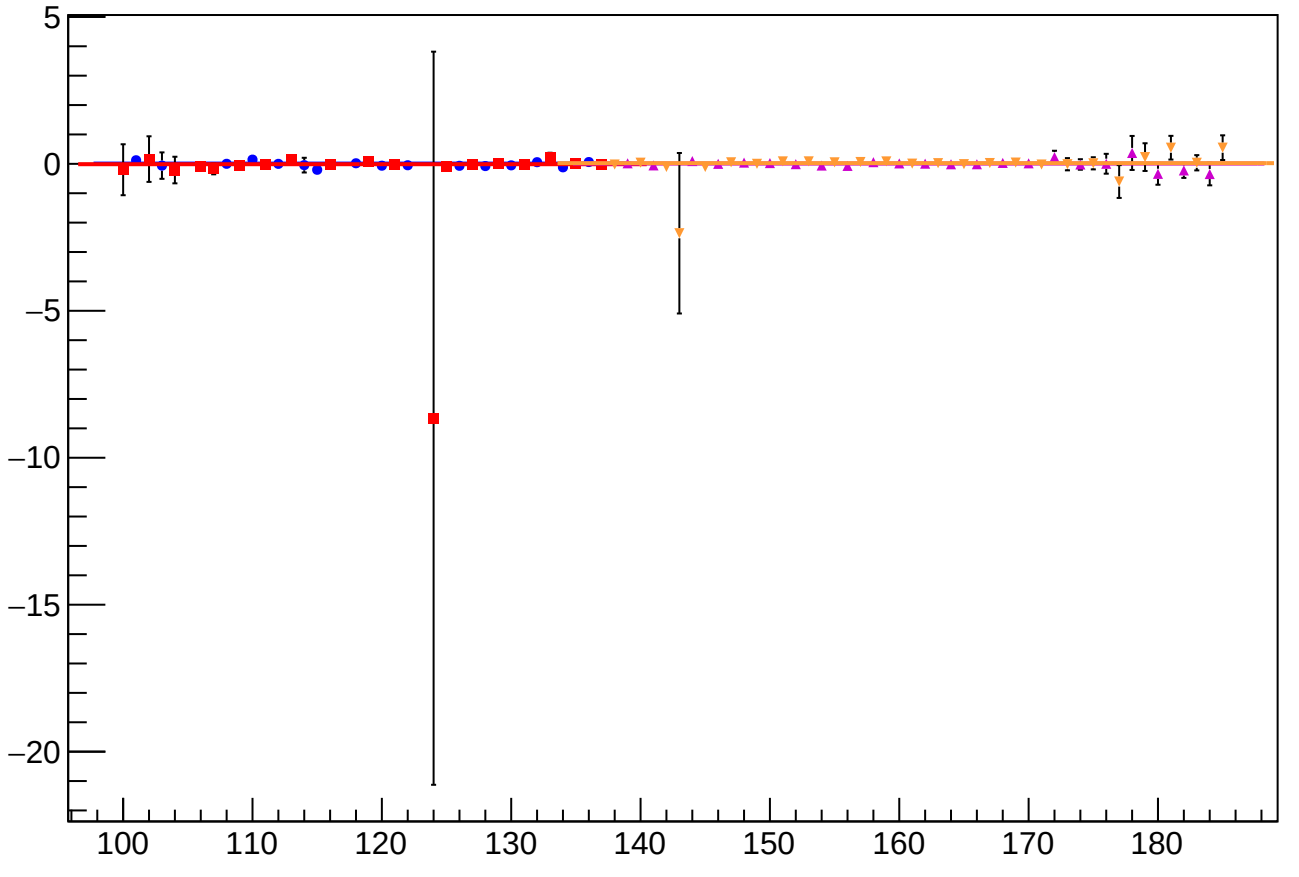
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.447+/-0.006 χ^2/NDF: 13431266.9/40

All: 34.934+/-0.004 χ^2/NDF: 26755653.4/82

\- 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:22.8/24

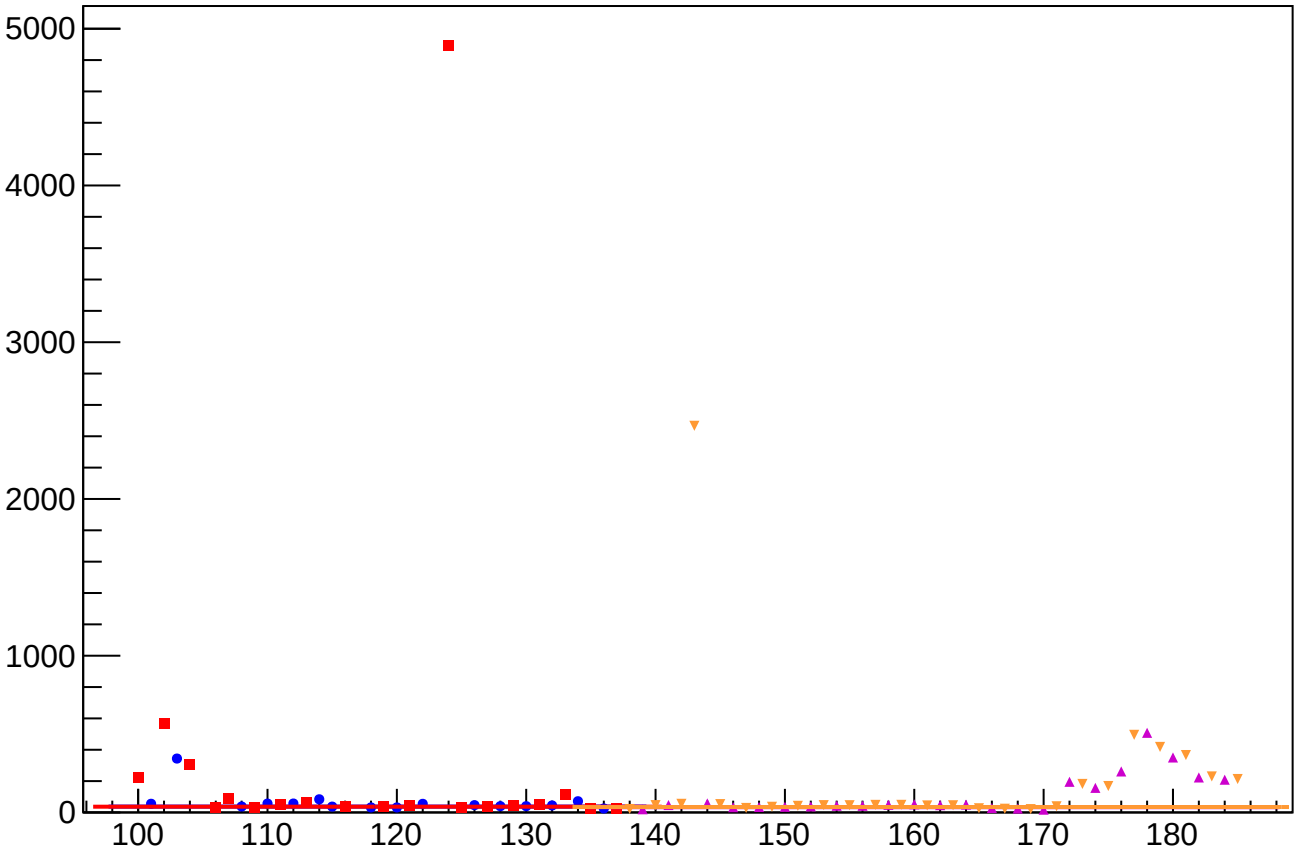
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.019+/-0.009 χ^2/NDF: 42.7/40

All: 0.011+/-0.006 χ^2/NDF: 73.0/82

- 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: 34.623+/-0.007 χ^2/NDF:11402566.2/24

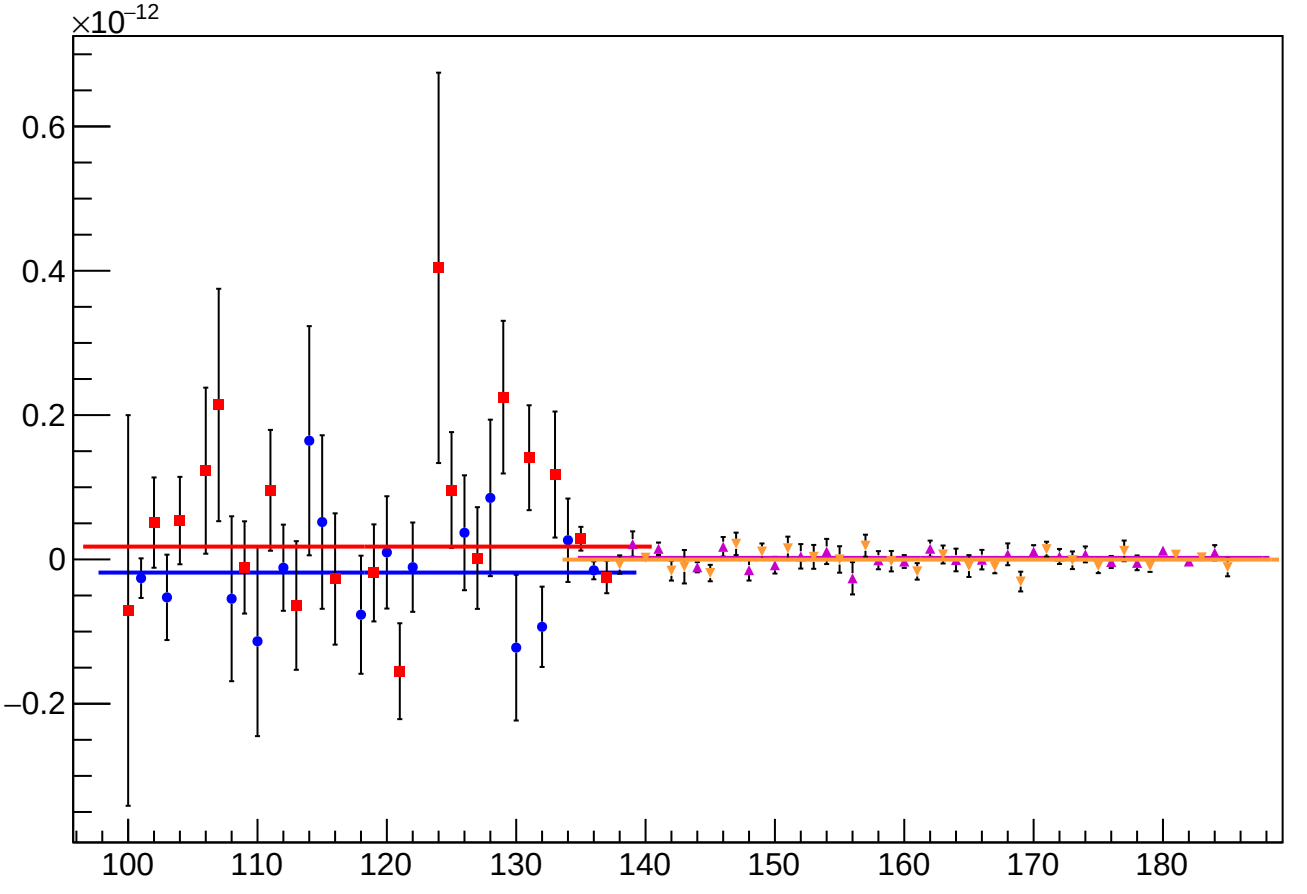
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.447+/-0.006 χ^2/NDF: 13431266.9/40

All: 34.934+/-0.004 χ^2/NDF: 26755653.4/82

\- 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:26.0/24

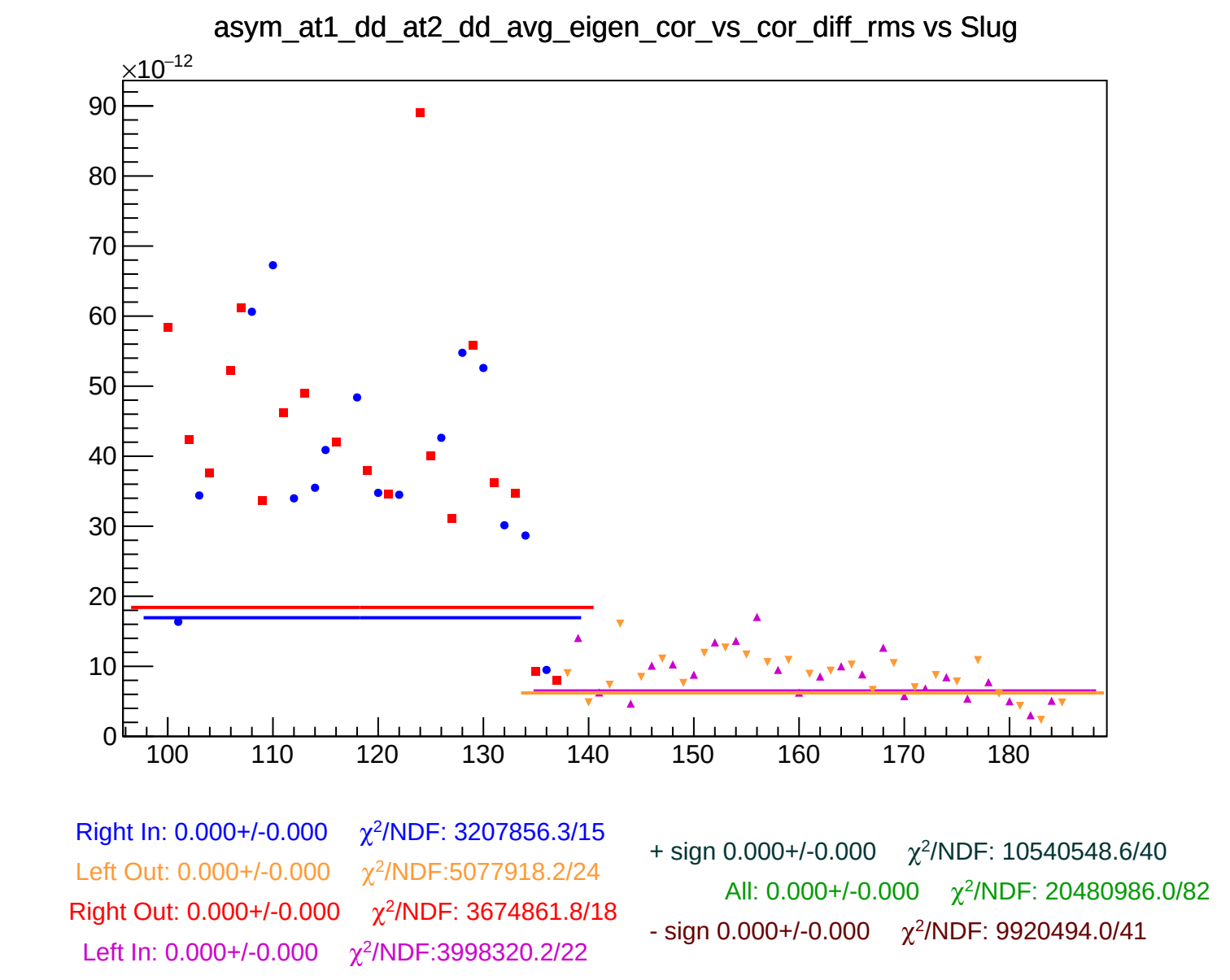
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

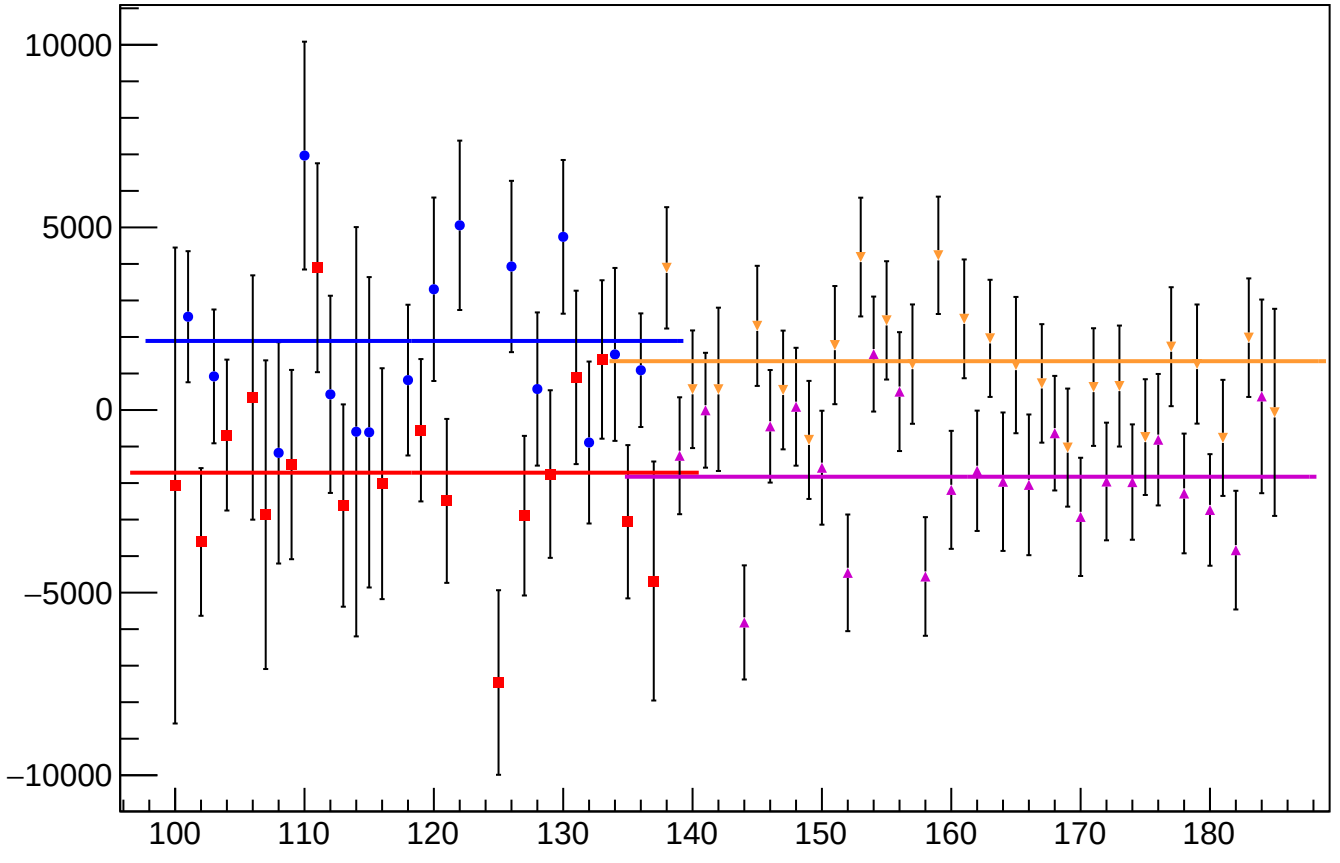
+ sign -0.000+/-0.000 χ^2/NDF: 37.5/40

All: 0.000+/-0.000 χ^2/NDF: 88.3/82

- 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:5077918.2/24
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: 10540548.6/40
All: 0.000+/-0.000 χ²/NDF: 20480986.0/82
- 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: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

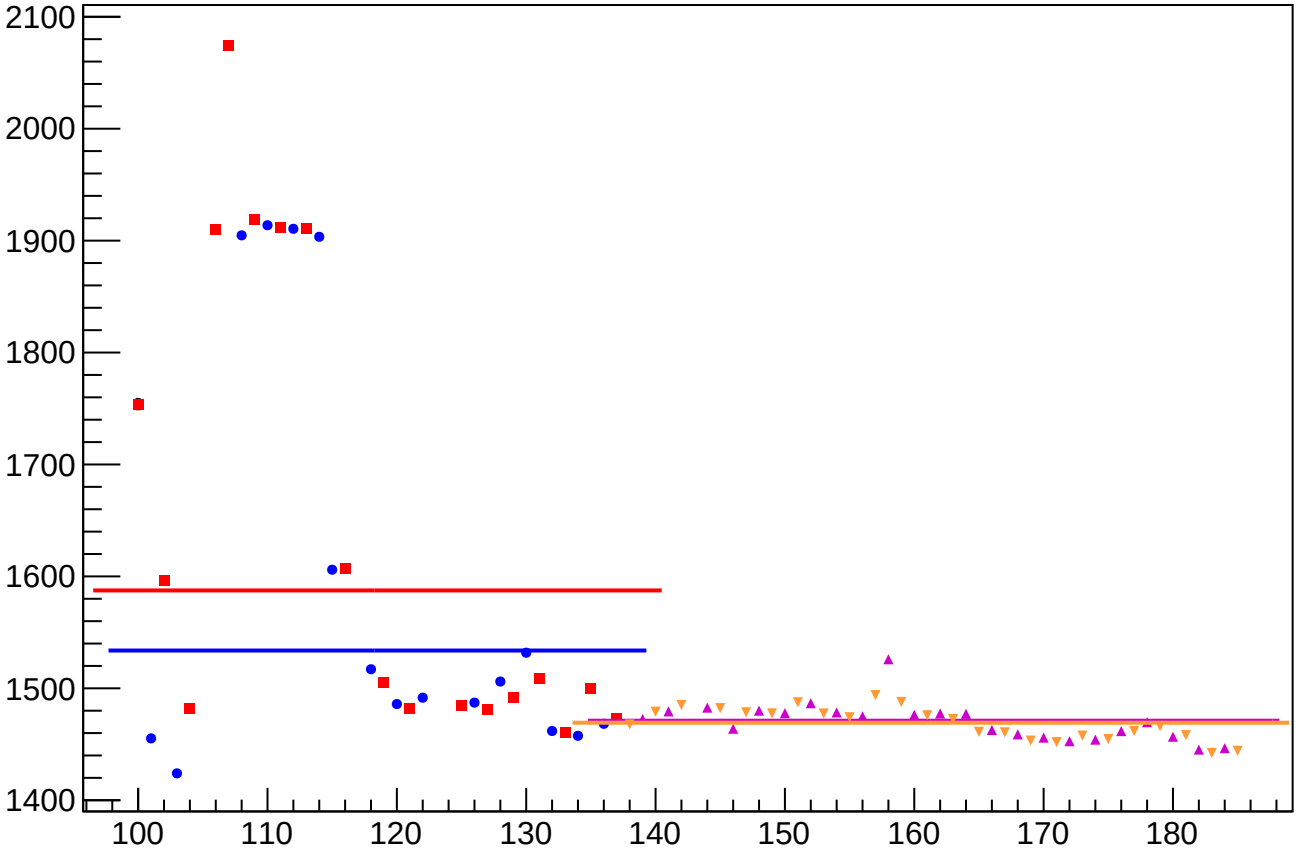
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1482.307+/-292.942 χ^2/NDF: 32.1/39

All: -136.758+/-208.485 χ^2/NDF: 136.5/80

- 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: 1469.267+/-0.241 χ^2/NDF:3155.3/23

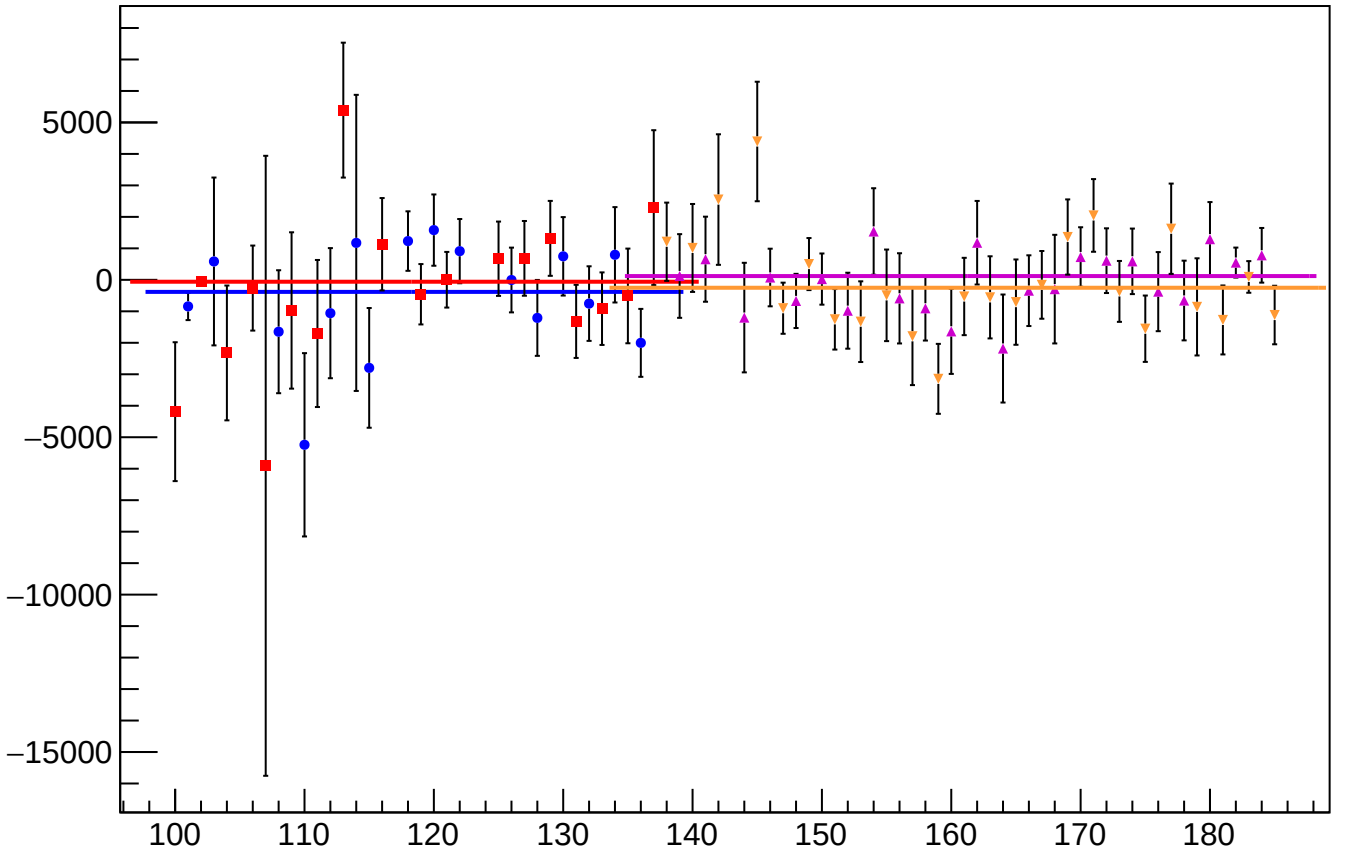
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

\+ sign 1486.171+/-0.207 χ^2/NDF: 151179.6/39

All: 1493.270+/-0.147 χ^2/NDF: 388408.9/80

\- 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: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

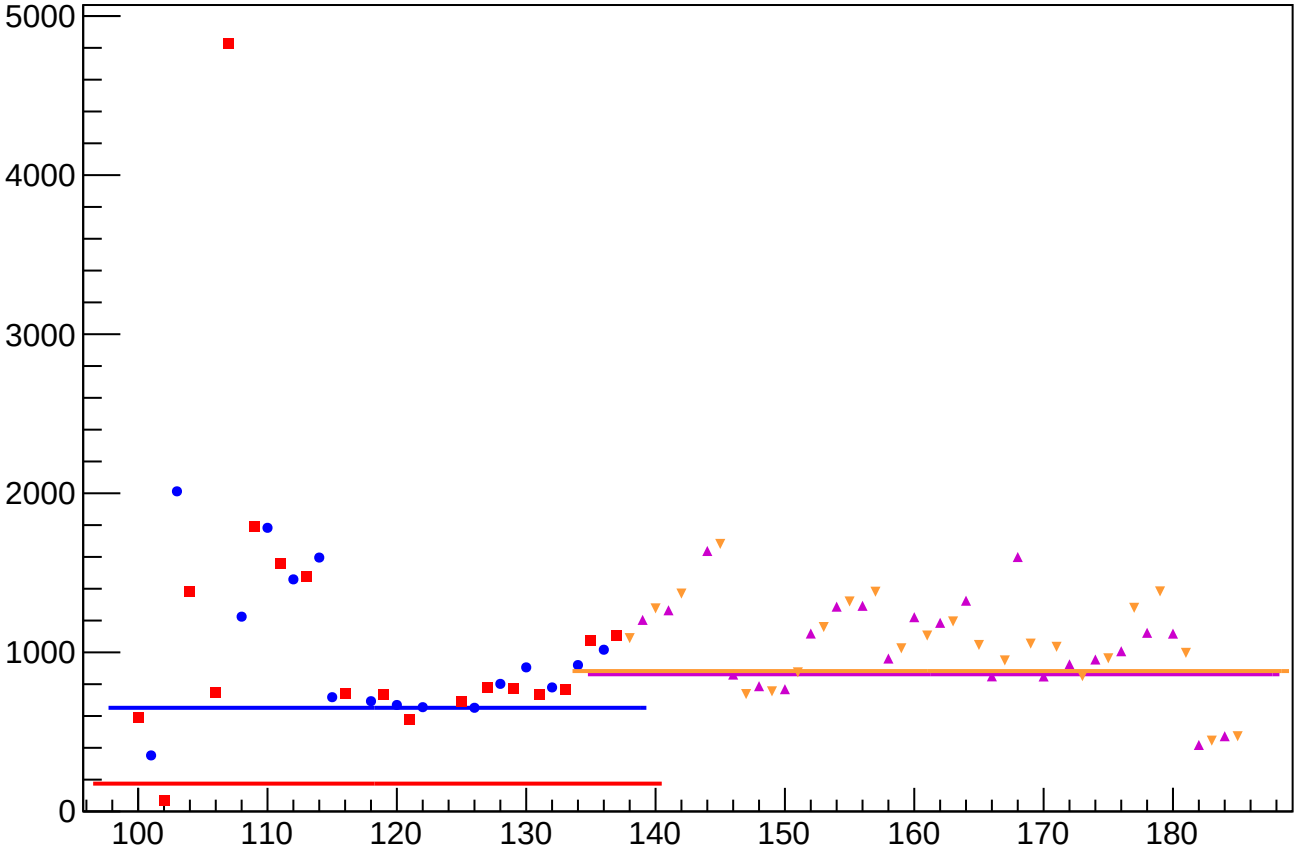
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -302.974+/-170.334 χ^2/NDF: 51.0/39

All: -98.540+/-92.361 χ^2/NDF: 84.2/80

- 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: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

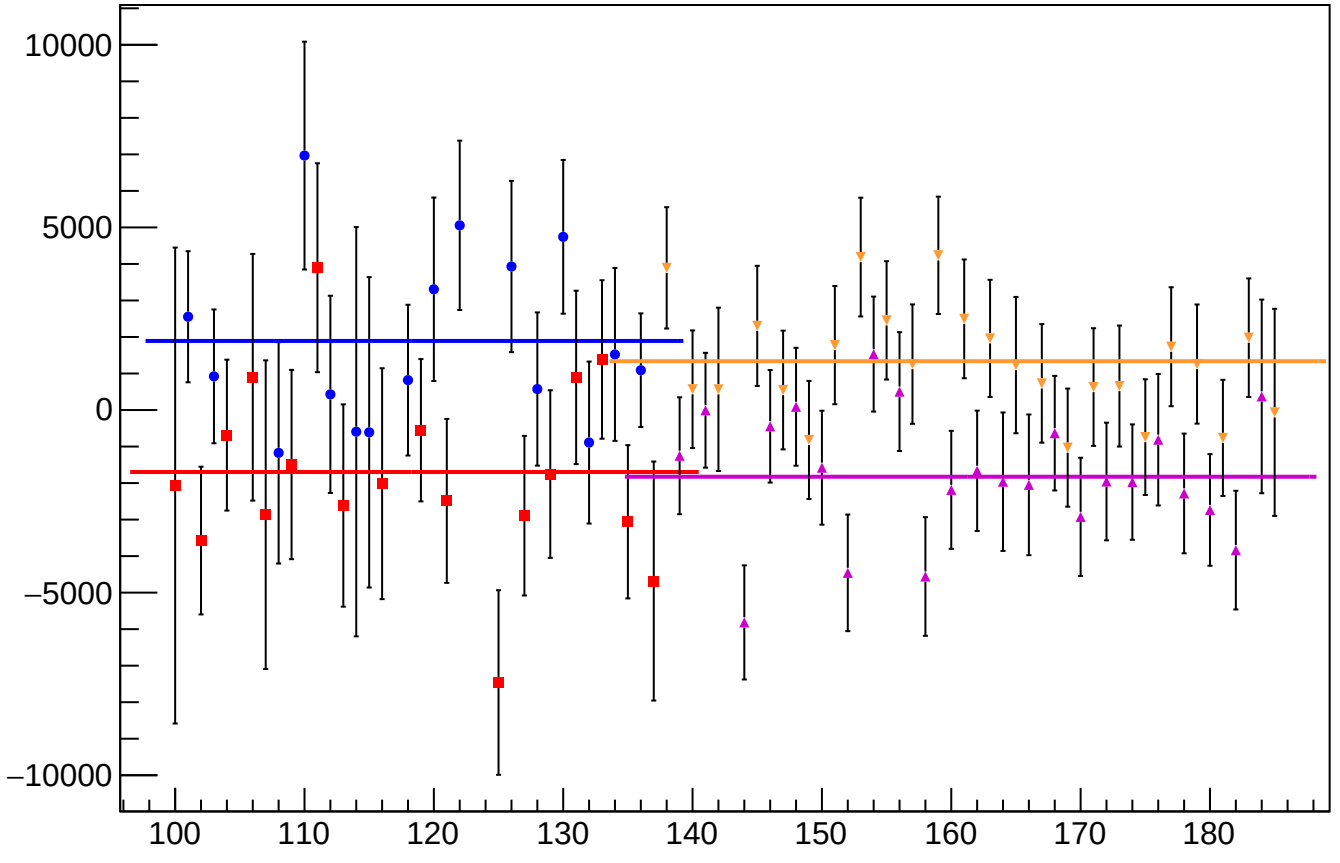
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 792.016+/-0.120 χ^2/NDF: 7539562.7/39

All: 482.052+/-0.065 χ^2/NDF: 46063203.2/80

- 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: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

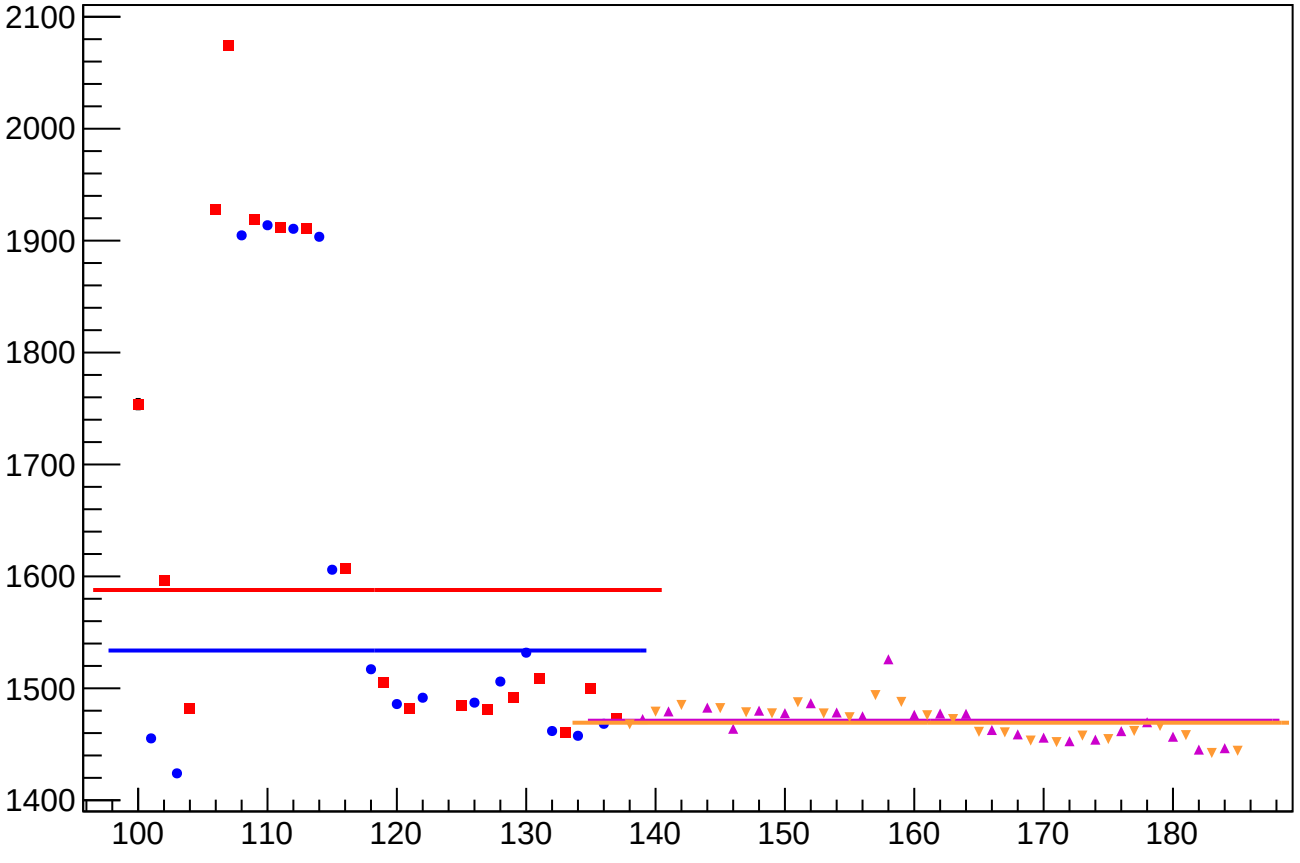
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1482.341+/-292.942 χ^2/NDF: 32.1/39

All: -134.270+/-208.493 χ^2/NDF: 136.5/80

- 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: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

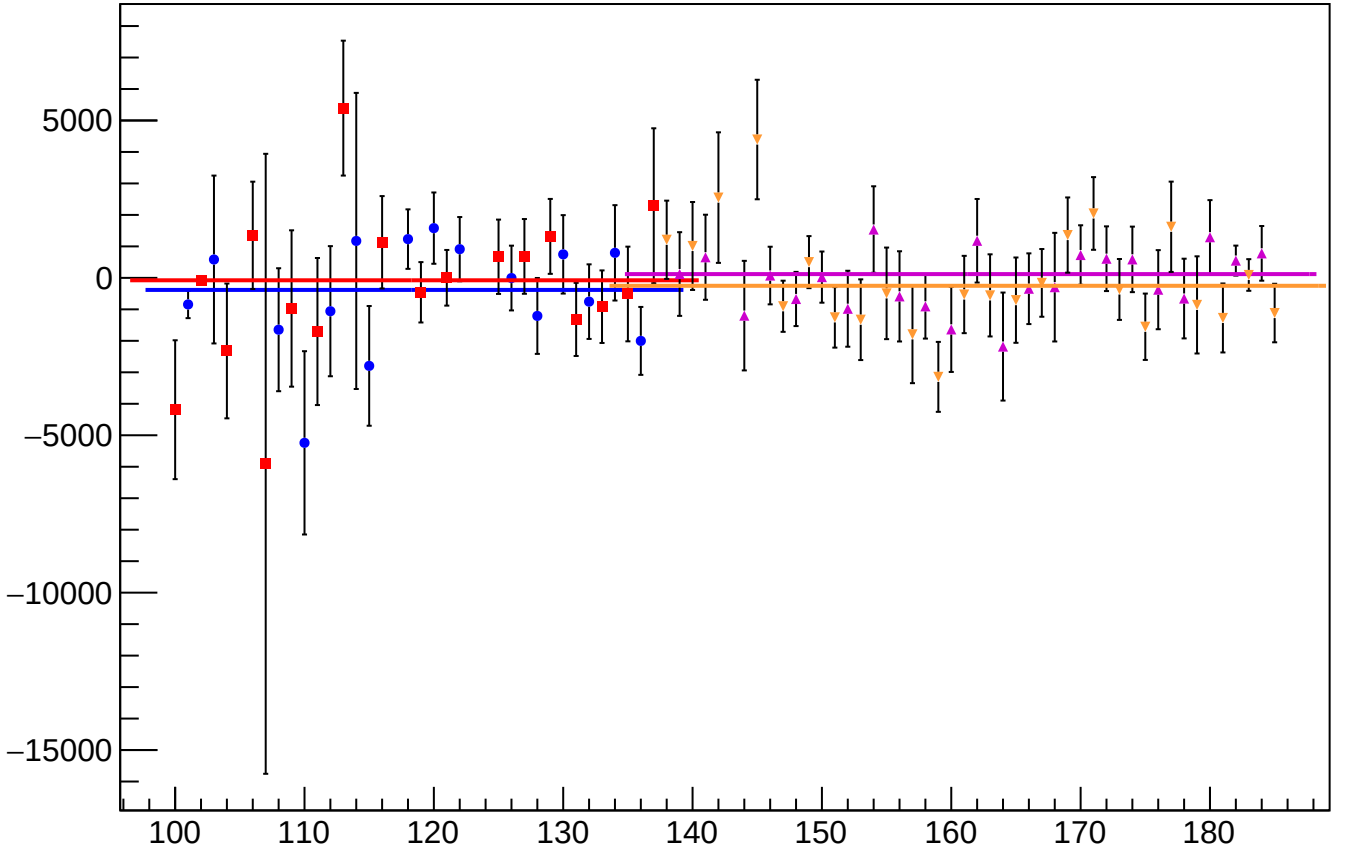
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.171+/-0.207 χ^2/NDF: 151179.5/39

All: 1493.311+/-0.147 χ^2/NDF: 390574.0/80

- sign 1500.640+/-0.210 χ^2/NDF: 236986.5/40

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

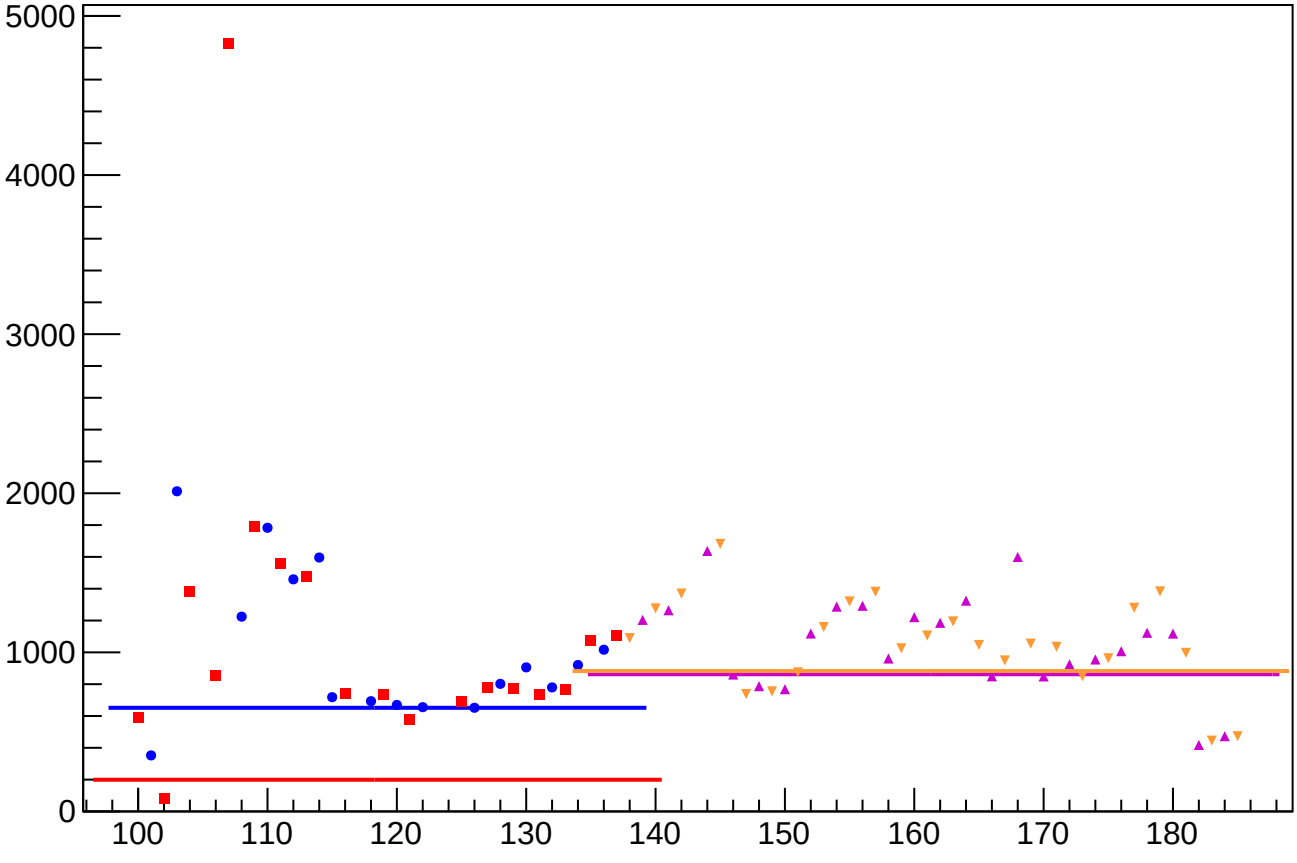
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -302.950+/-170.333 χ^2/NDF: 51.0/39

All: -109.821+/-96.087 χ^2/NDF: 84.8/80

- 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: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

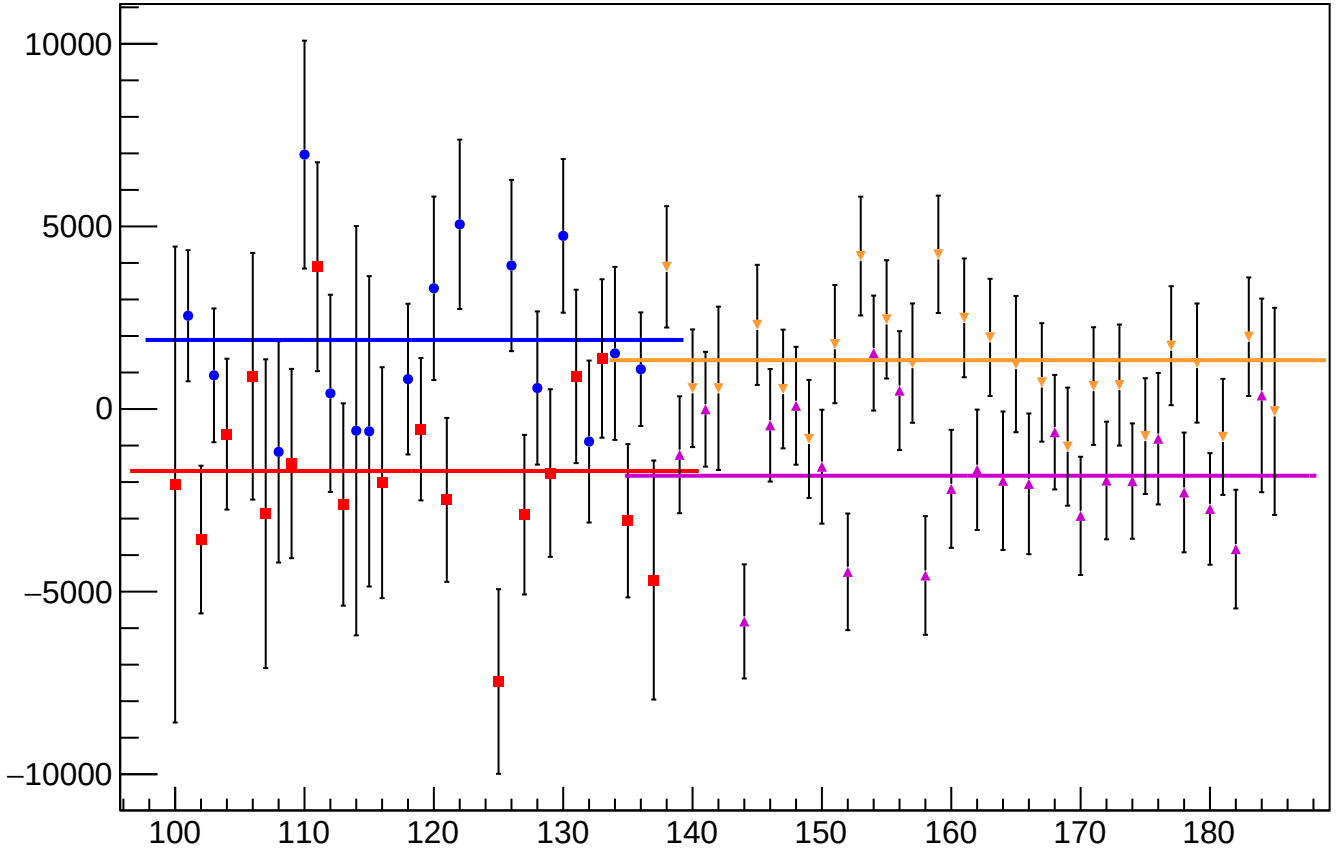
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 792.010+/-0.120 χ^2/NDF: 7539862.8/39

All: 519.164+/-0.068 χ^2/NDF: 42094893.4/80

- 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: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

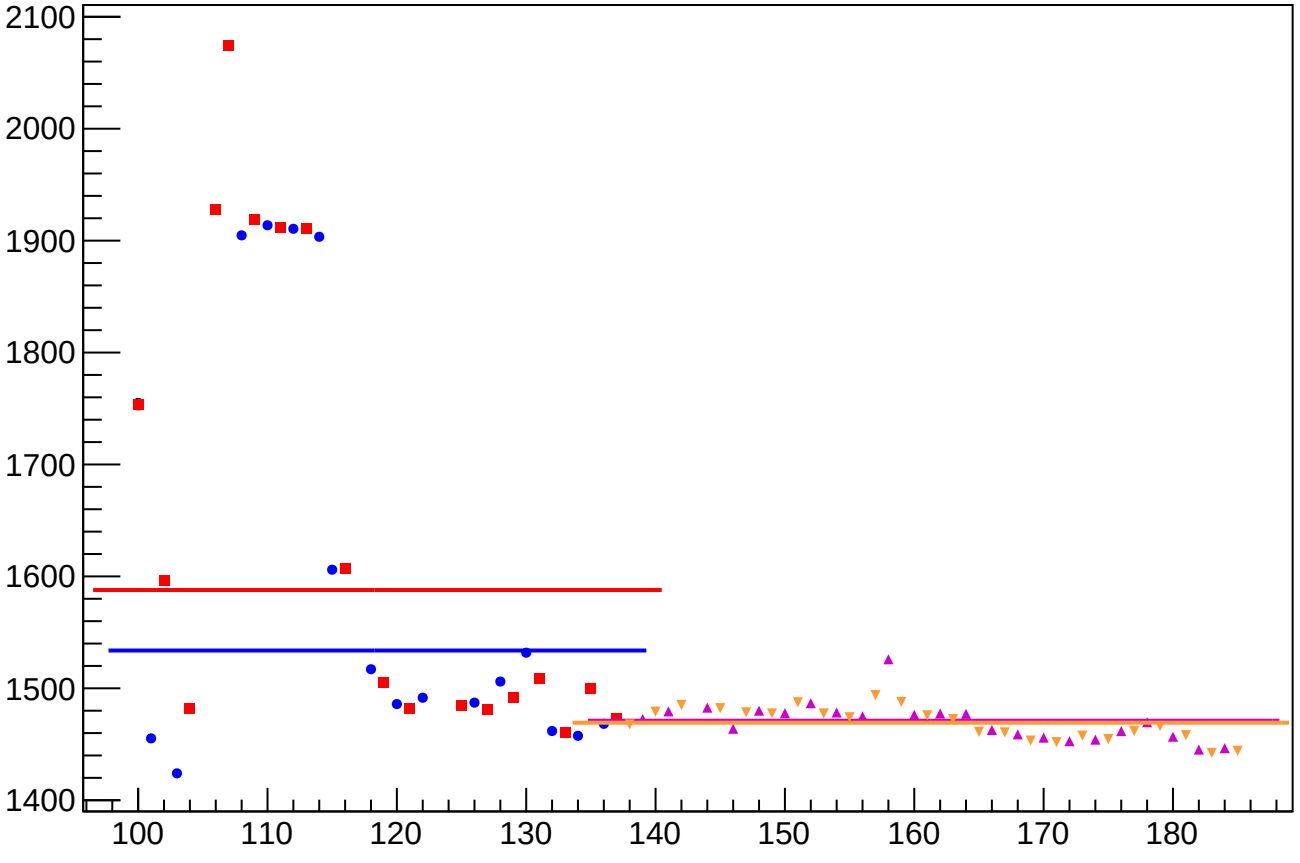
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1482.341+/-292.942 χ^2/NDF: 32.1/39

All: -134.270+/-208.493 χ^2/NDF: 136.5/80

- 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: 1469.267+/-0.241 χ^2/NDF:3155.3/23

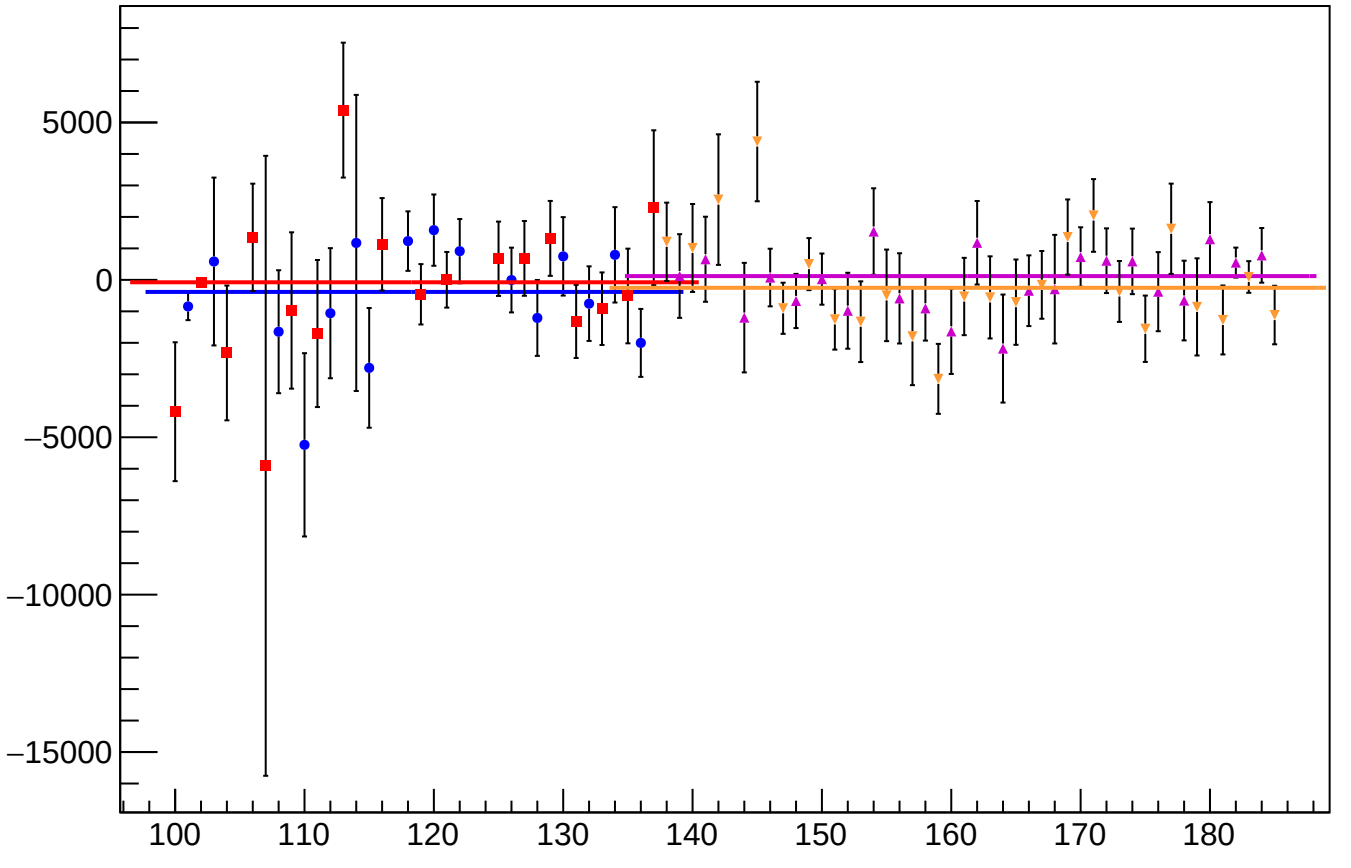
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.171+/-0.207 χ^2/NDF: 151179.5/39

All: 1493.311+/-0.147 χ^2/NDF: 390574.0/80

- 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: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

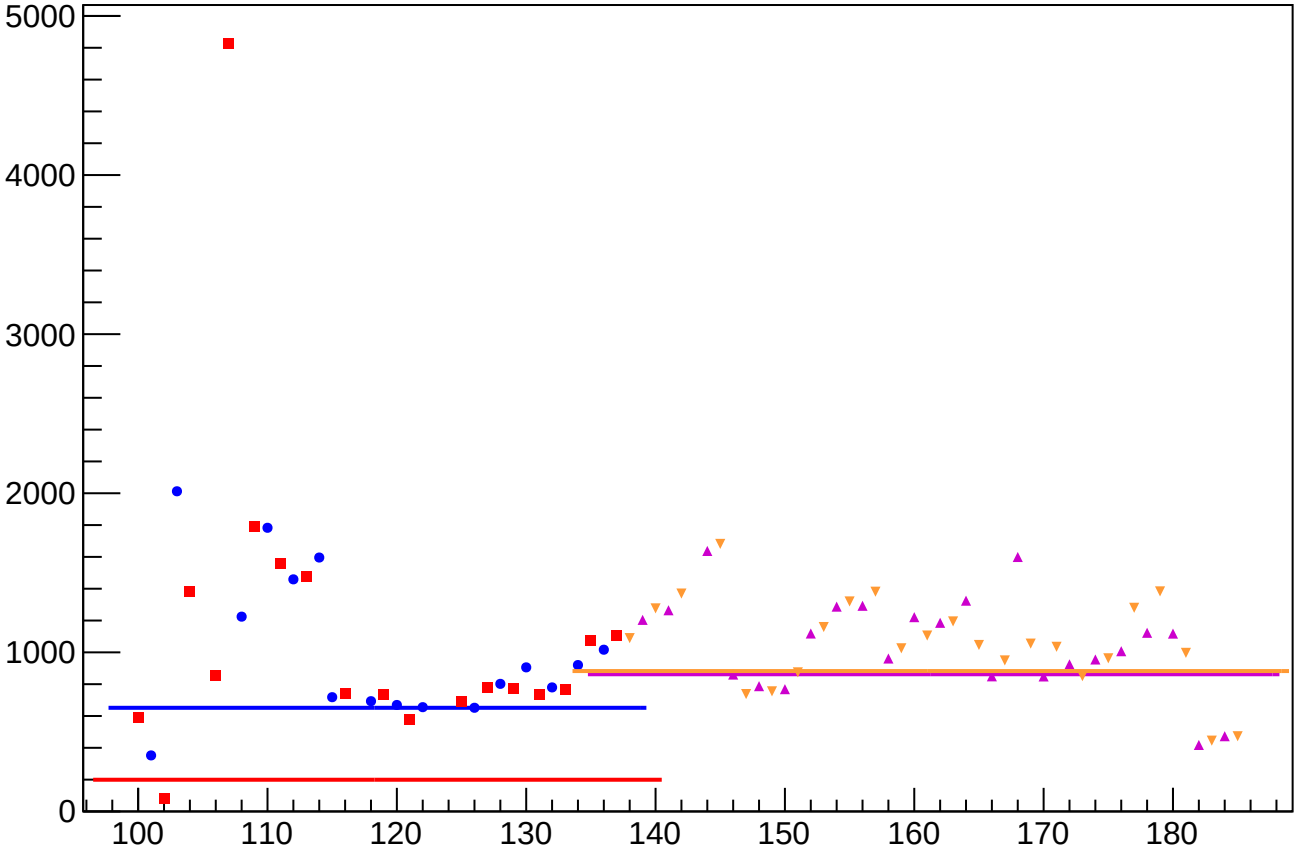
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -302.950+/-170.333 χ^2/NDF: 51.0/39

All: -109.821+/-96.087 χ^2/NDF: 84.8/80

- sign -19.677+/-116.370 χ^2/NDF: 31.9/40

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

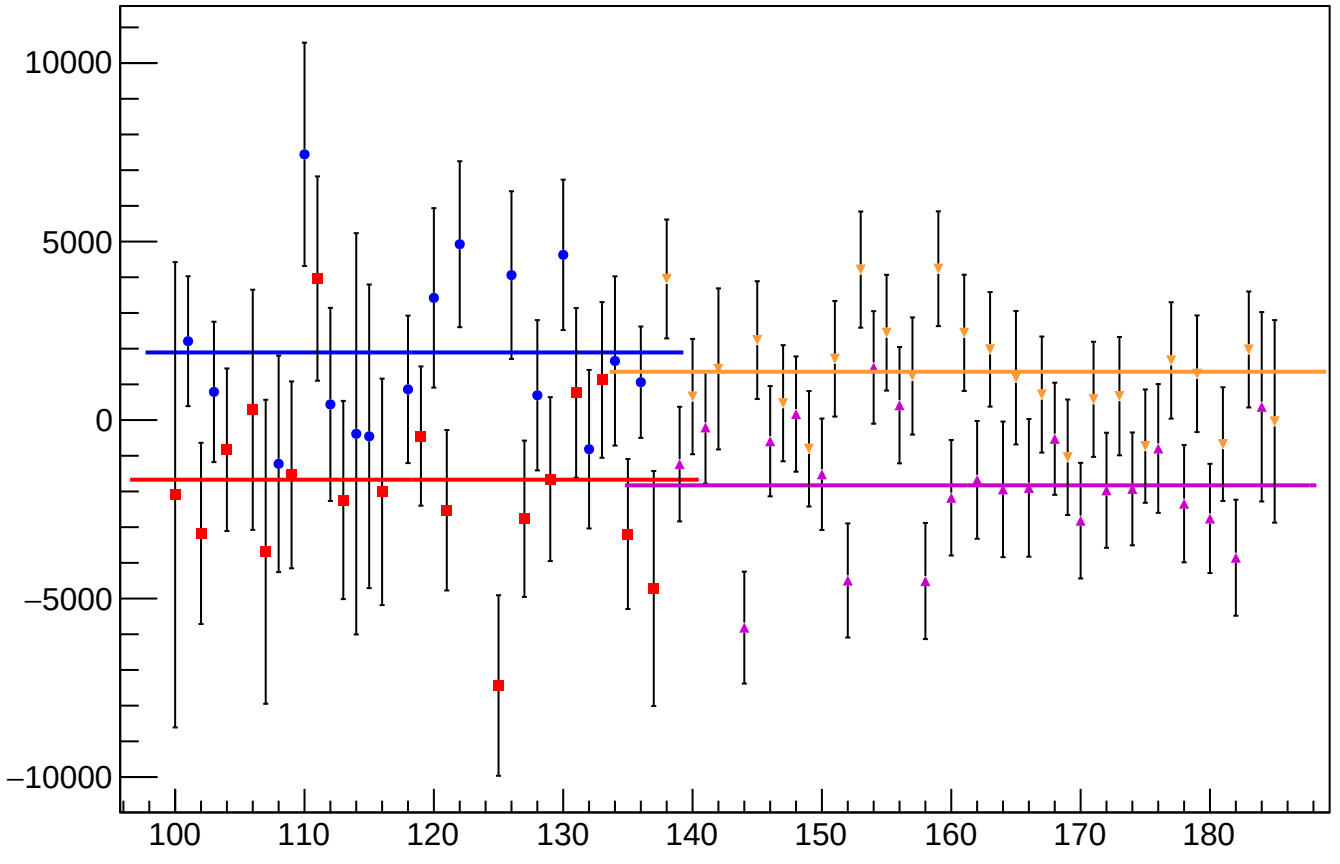
Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 792.010+/-0.120 χ^2/NDF: 7539862.8/39

All: 519.164+/-0.068 χ^2/NDF: 42094893.4/80

- sign 391.812+/-0.082 χ^2/NDF: 27027996.9/40



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

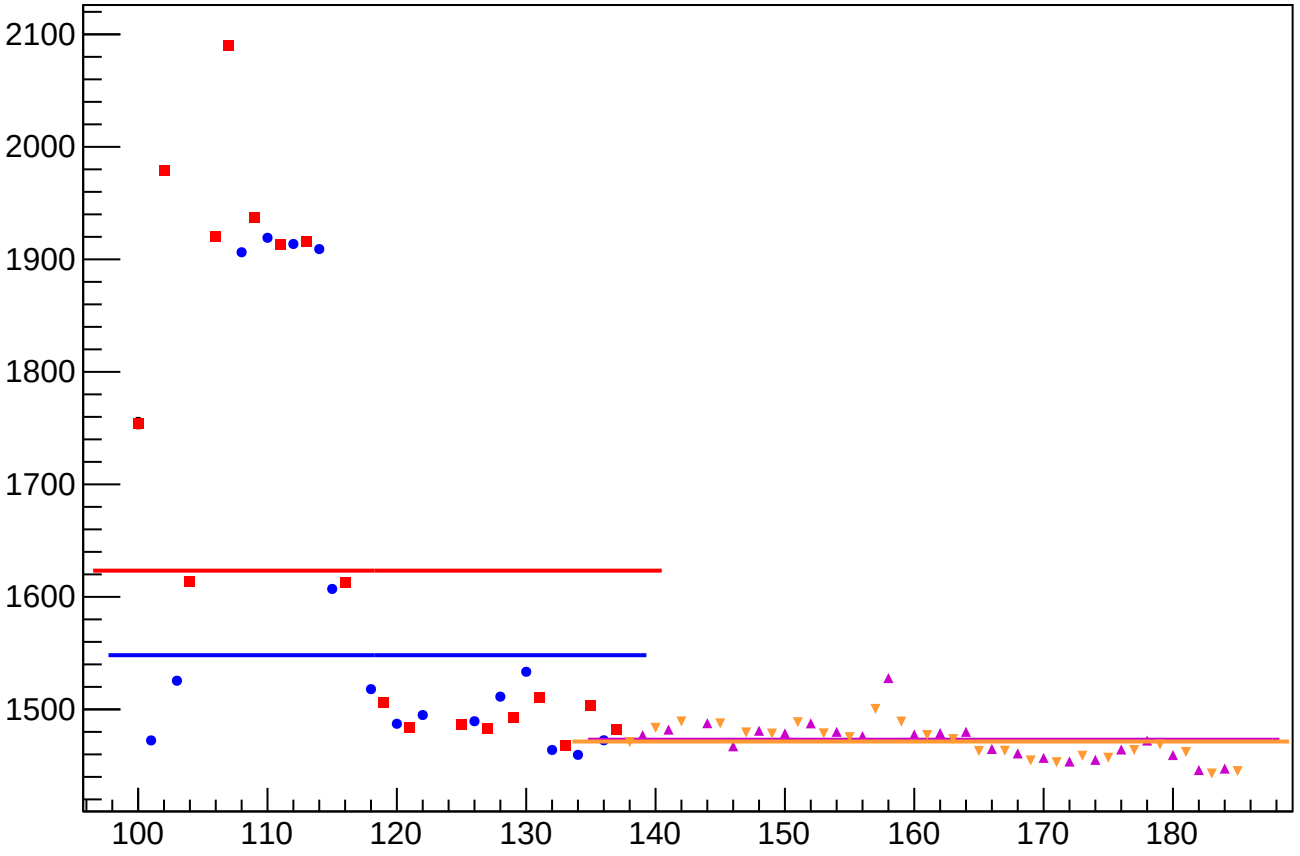
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1493.714+/-294.012 χ^2/NDF: 31.9/39

All: -120.492+/-209.636 χ^2/NDF: 134.1/80

- 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: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

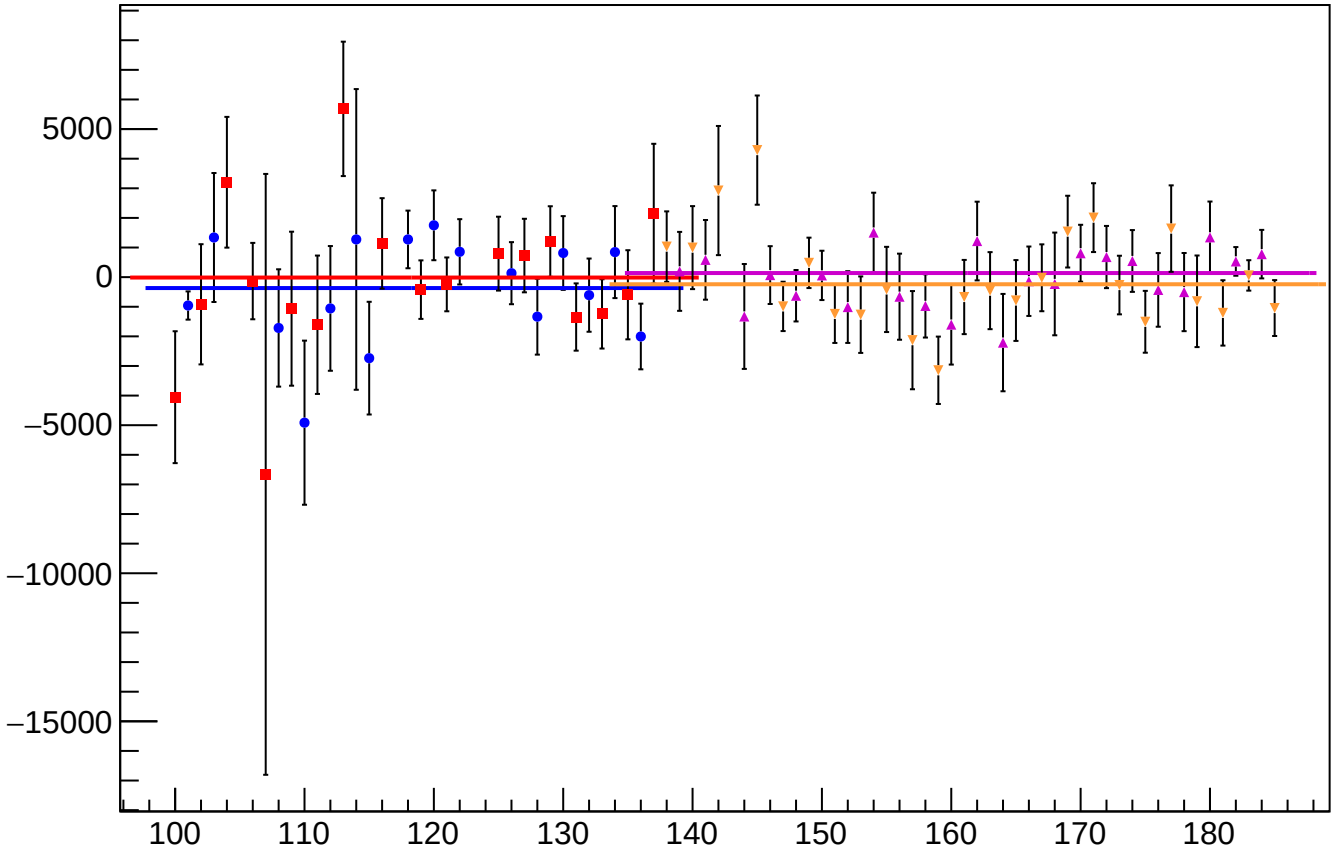
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1491.318+/-0.208 χ^2/NDF: 149494.7/39

All: 1500.390+/-0.148 χ^2/NDF: 462952.9/80

- sign 1509.772+/-0.211 χ^2/NDF: 309584.8/40

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

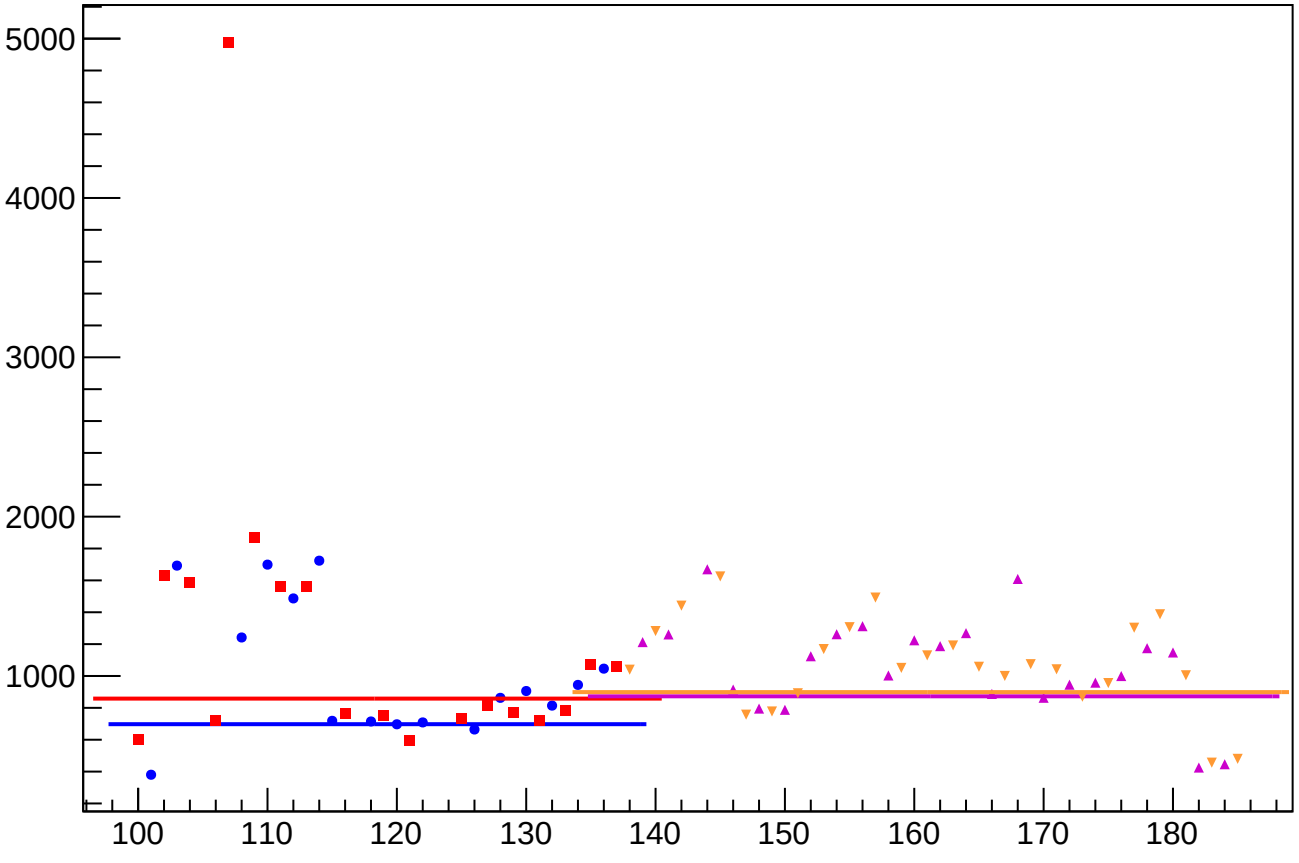
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -288.380+/-175.396 χ^2/NDF: 51.5/39

All: -106.273+/-126.972 χ^2/NDF: 85.9/80

- 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: 898.849+/-0.157 χ^2/NDF:3791528.8/23

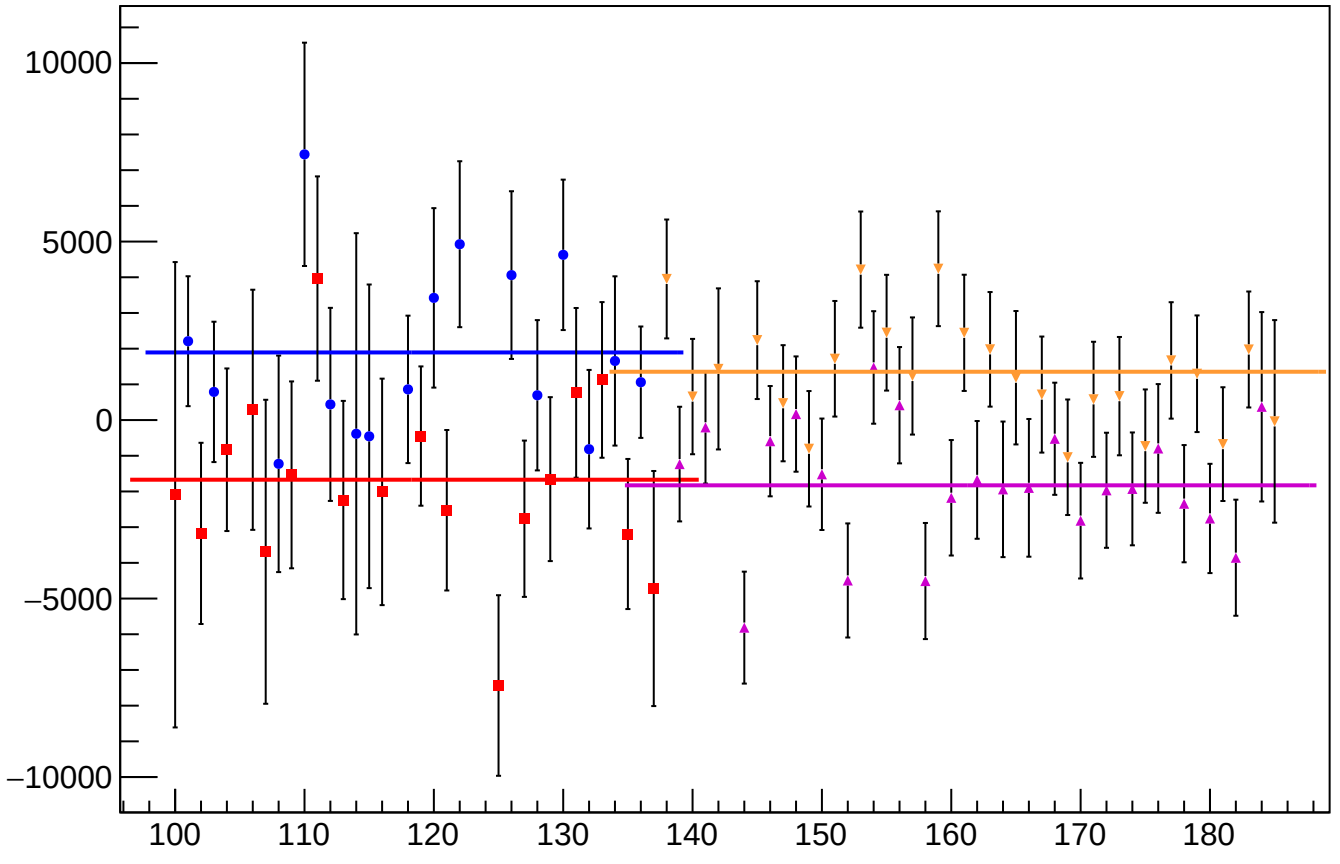
Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 823.432+/-0.124 χ^2/NDF: 6844492.1/39

All: 844.785+/-0.090 χ^2/NDF: 13226972.8/80

- sign 868.298+/-0.130 χ^2/NDF: 6320195.3/40



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

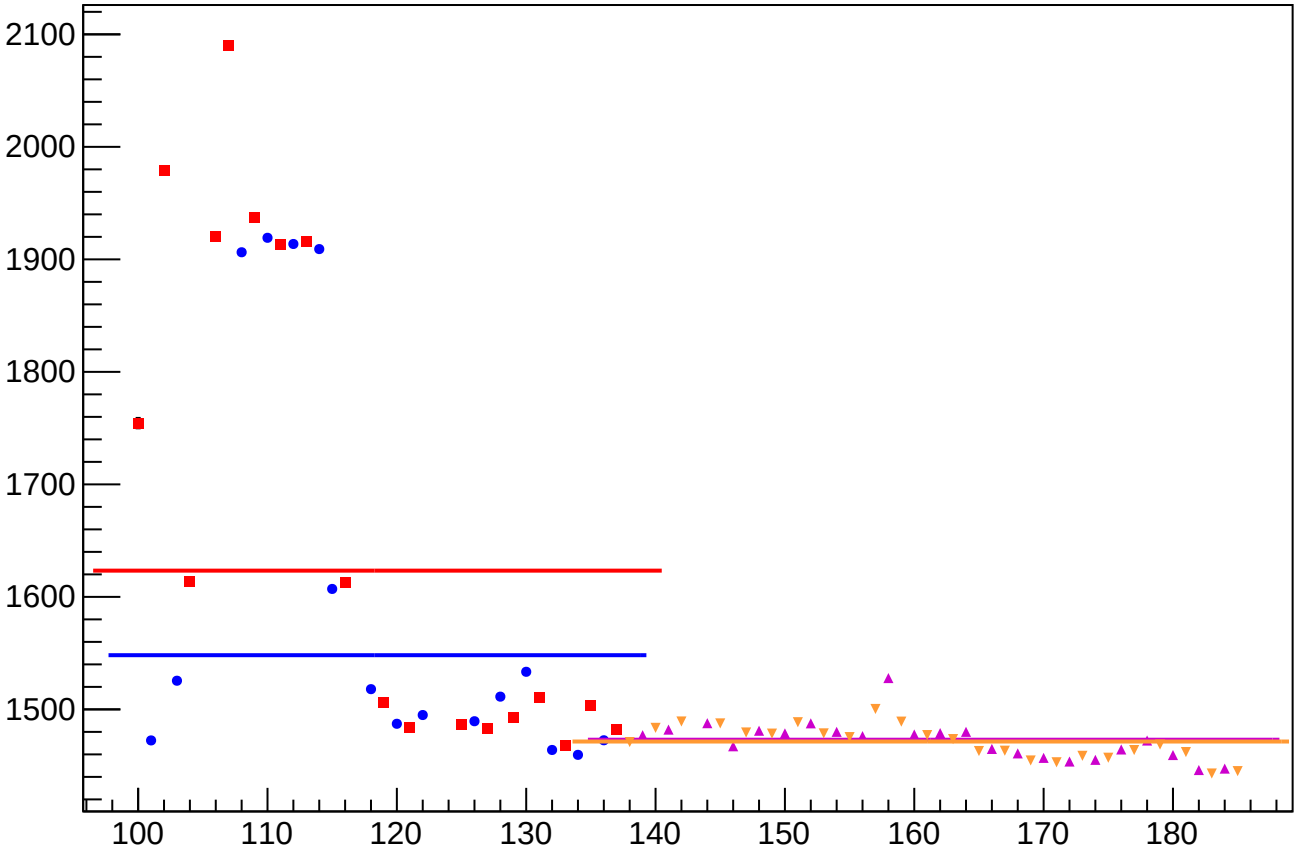
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1493.712+/-294.012 χ^2/NDF: 31.9/39

All: -120.493+/-209.636 χ^2/NDF: 134.1/80

- 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: 1471.437+/-0.242 χ^2/NDF:3436.8/23

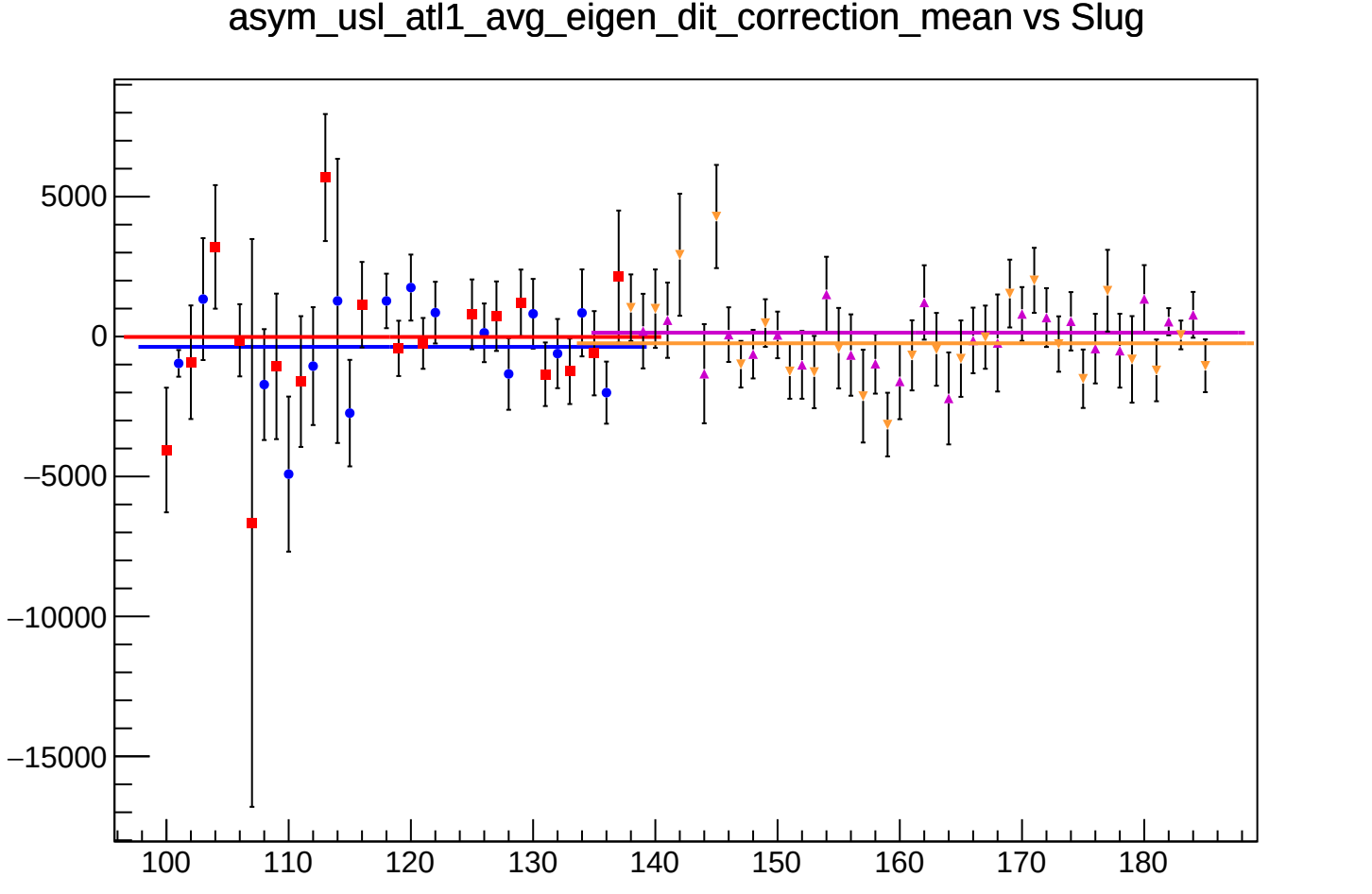
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1491.318+/-0.208 χ^2/NDF: 149494.6/39

All: 1500.390+/-0.148 χ^2/NDF: 462952.3/80

- 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: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

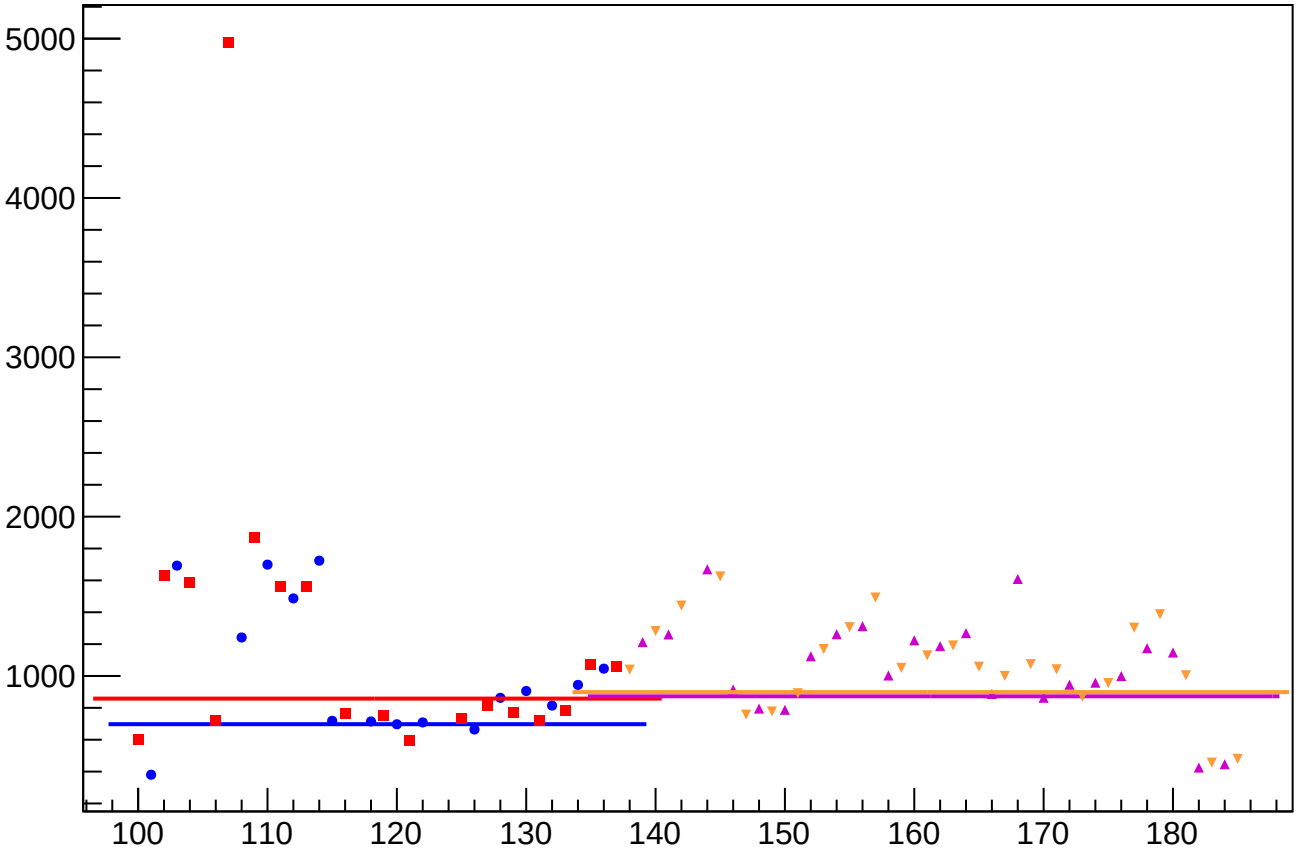
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -288.381+/-175.396 χ^2/NDF: 51.5/39

All: -106.273+/-126.972 χ^2/NDF: 85.9/80

- 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: 898.850+/-0.157 χ^2/NDF:3791537.4/23

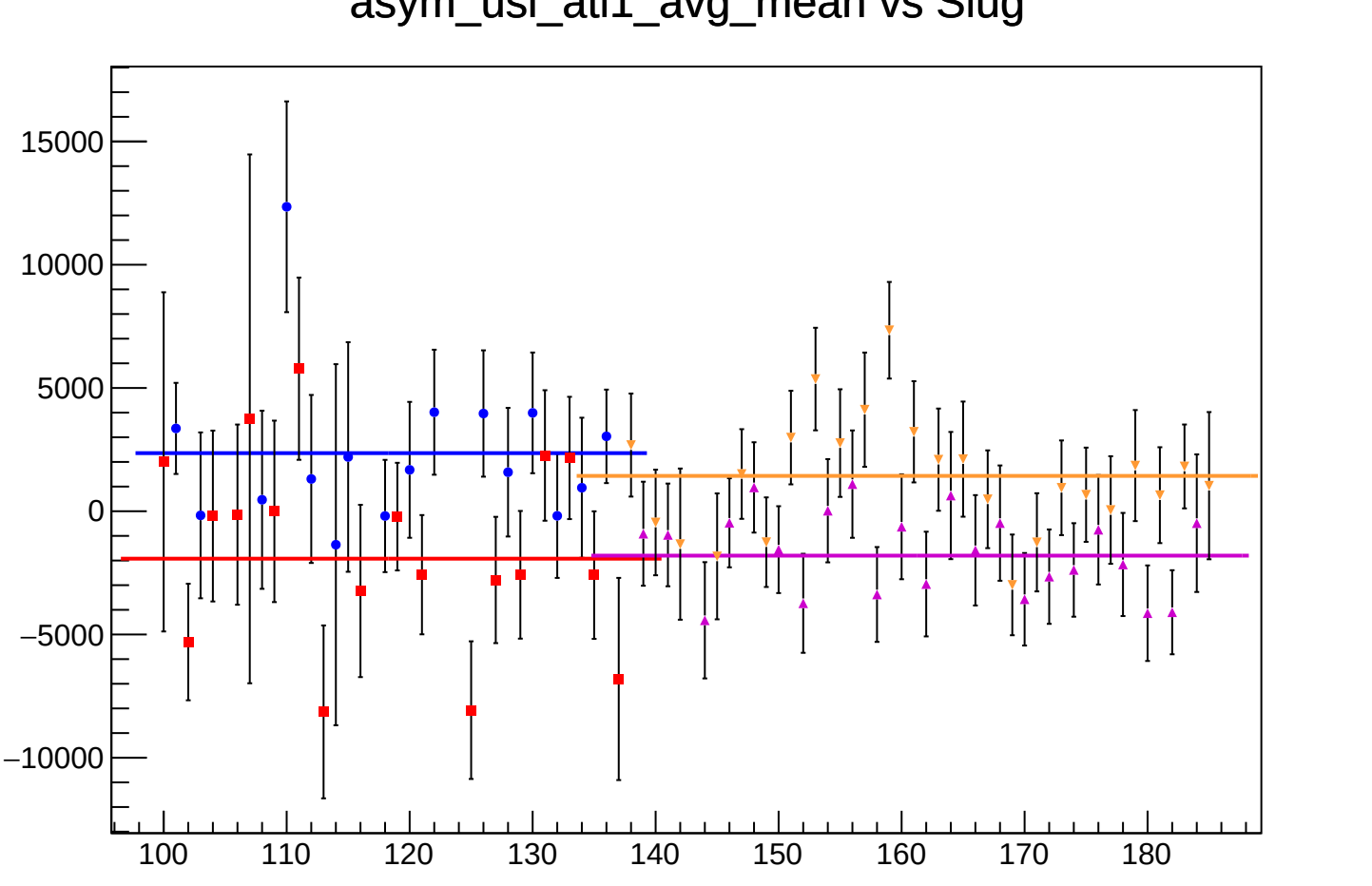
Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 823.432+/-0.124 χ^2/NDF: 6844498.3/39

All: 844.786+/-0.090 χ^2/NDF: 13226996.4/80

- sign 868.298+/-0.130 χ^2/NDF: 6320213.6/40



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

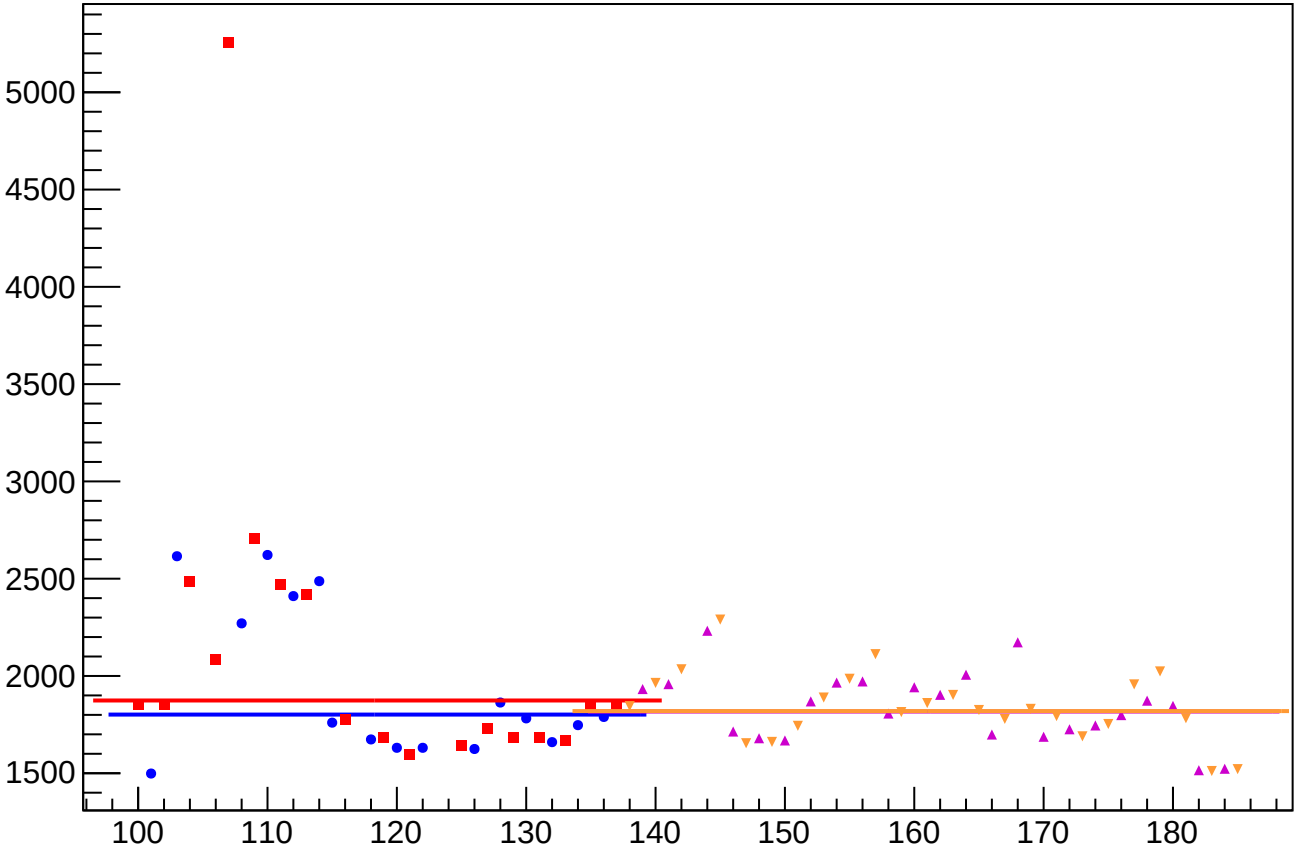
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1692.886+/-359.916 χ^2/NDF: 41.7/39

All: -45.278+/-256.332 χ^2/NDF: 127.8/80

- 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: 1819.417+/-0.300 χ^2/NDF:295015.0/23

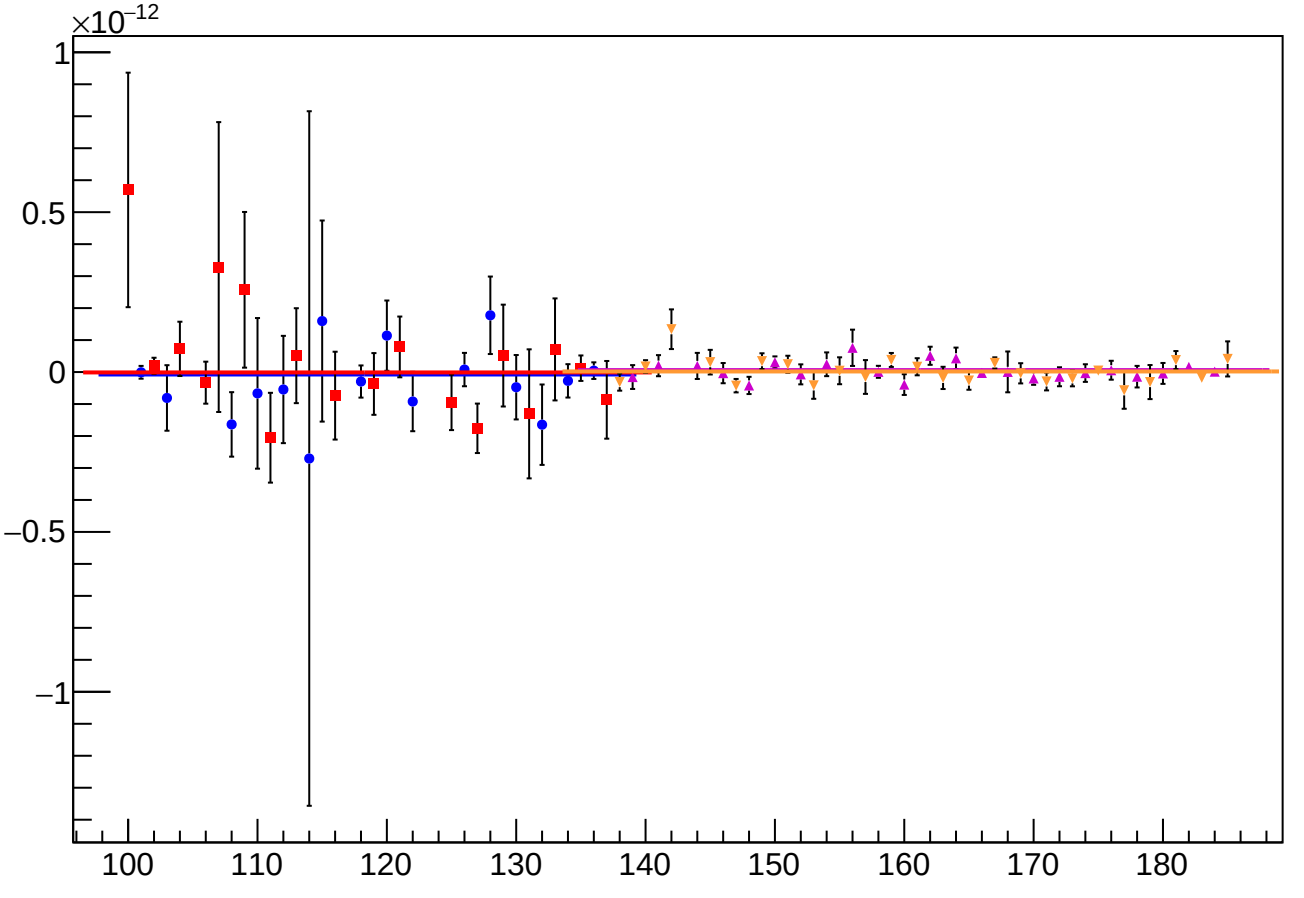
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1814.390+/-0.254 χ^2/NDF: 696715.8/39

All: 1823.221+/-0.181 χ^2/NDF: 1585651.4/80

- 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:29.3/23

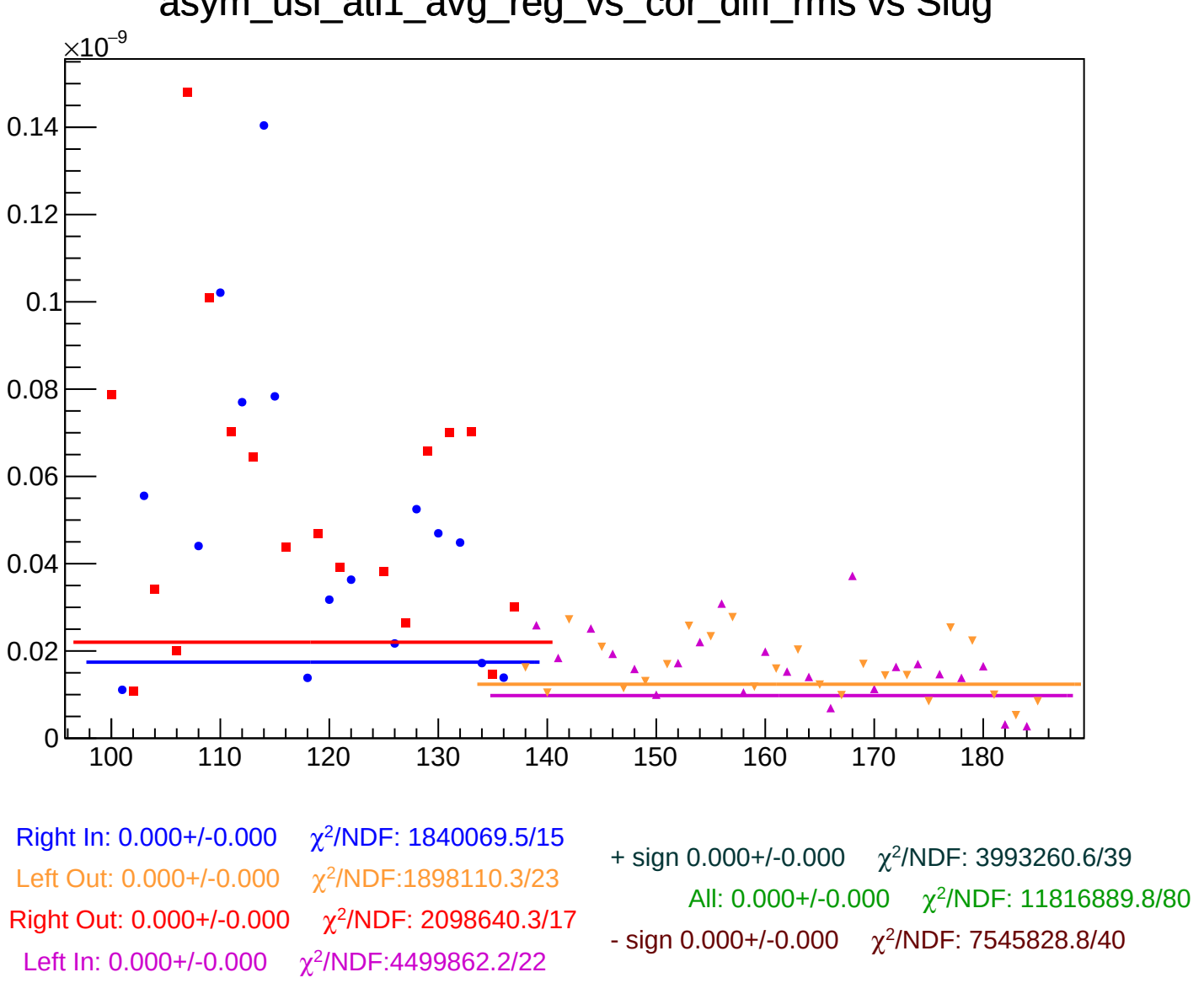
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

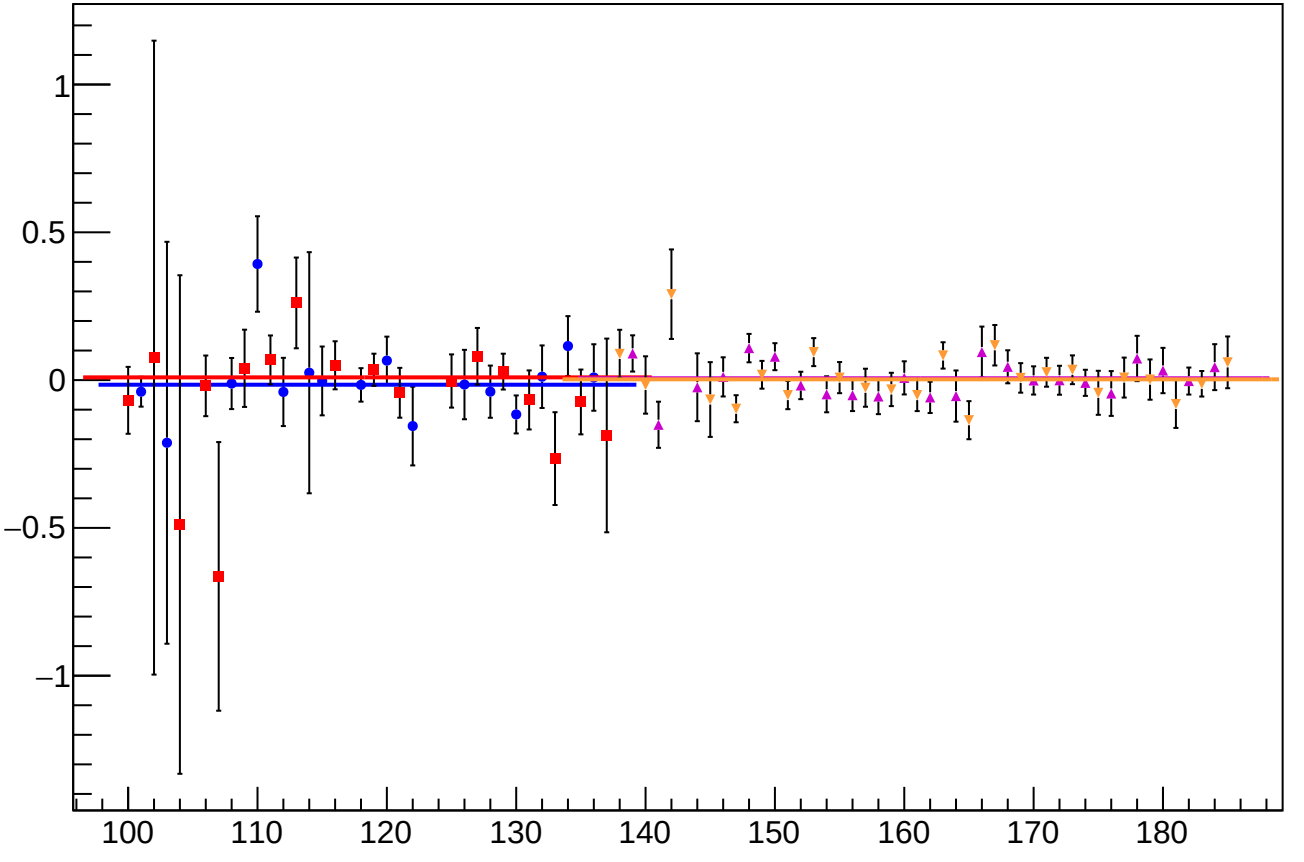
+ sign 0.000+/-0.000 χ^2/NDF: 40.0/39

All: 0.000+/-0.000 χ^2/NDF: 75.4/80

- 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:1898110.3/23
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: 3993260.6/39
All: 0.000+/-0.000 χ²/NDF: 11816889.8/80
- 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: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

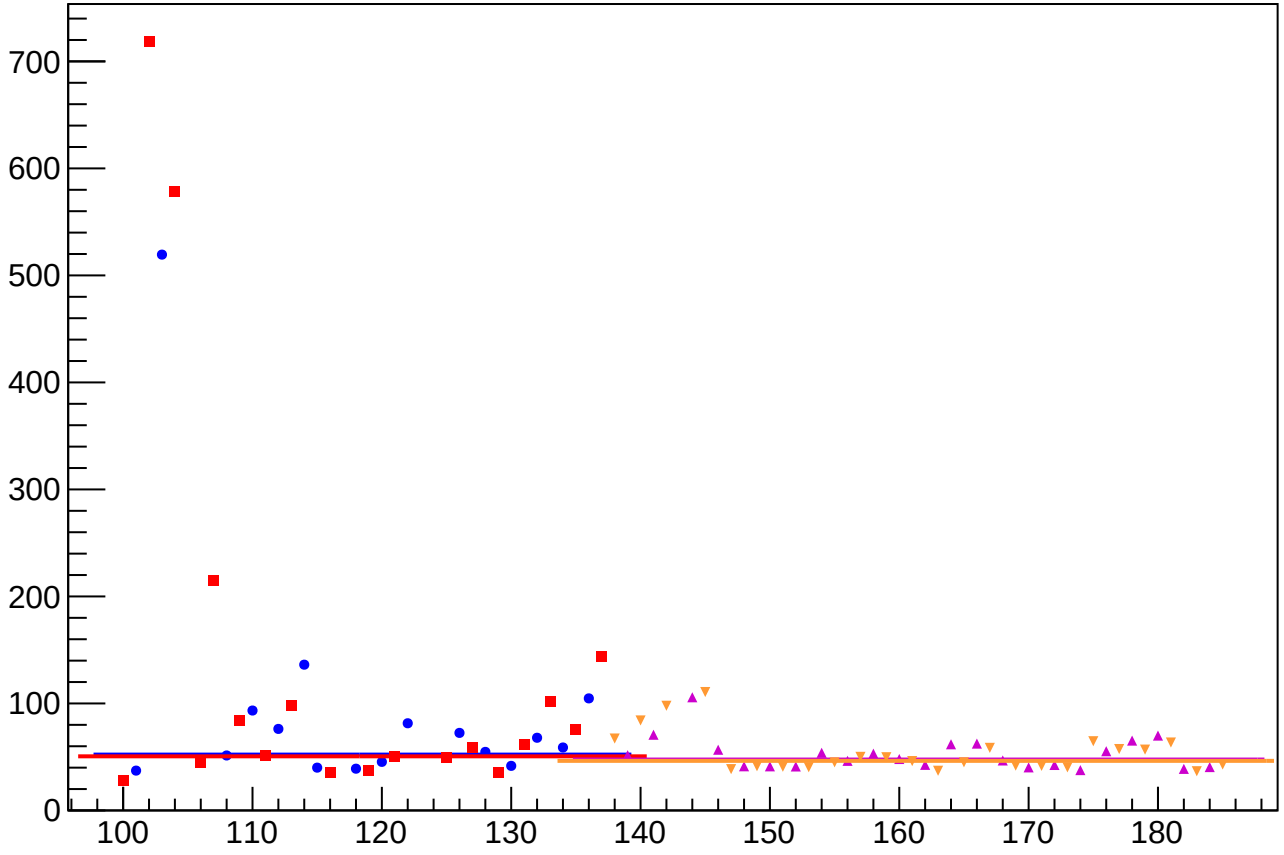
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 43.6/39

All: 0.003+/-0.008 χ^2/NDF: 78.0/80

- 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: 46.353+/-0.008 χ^2/NDF:1967753.2/23

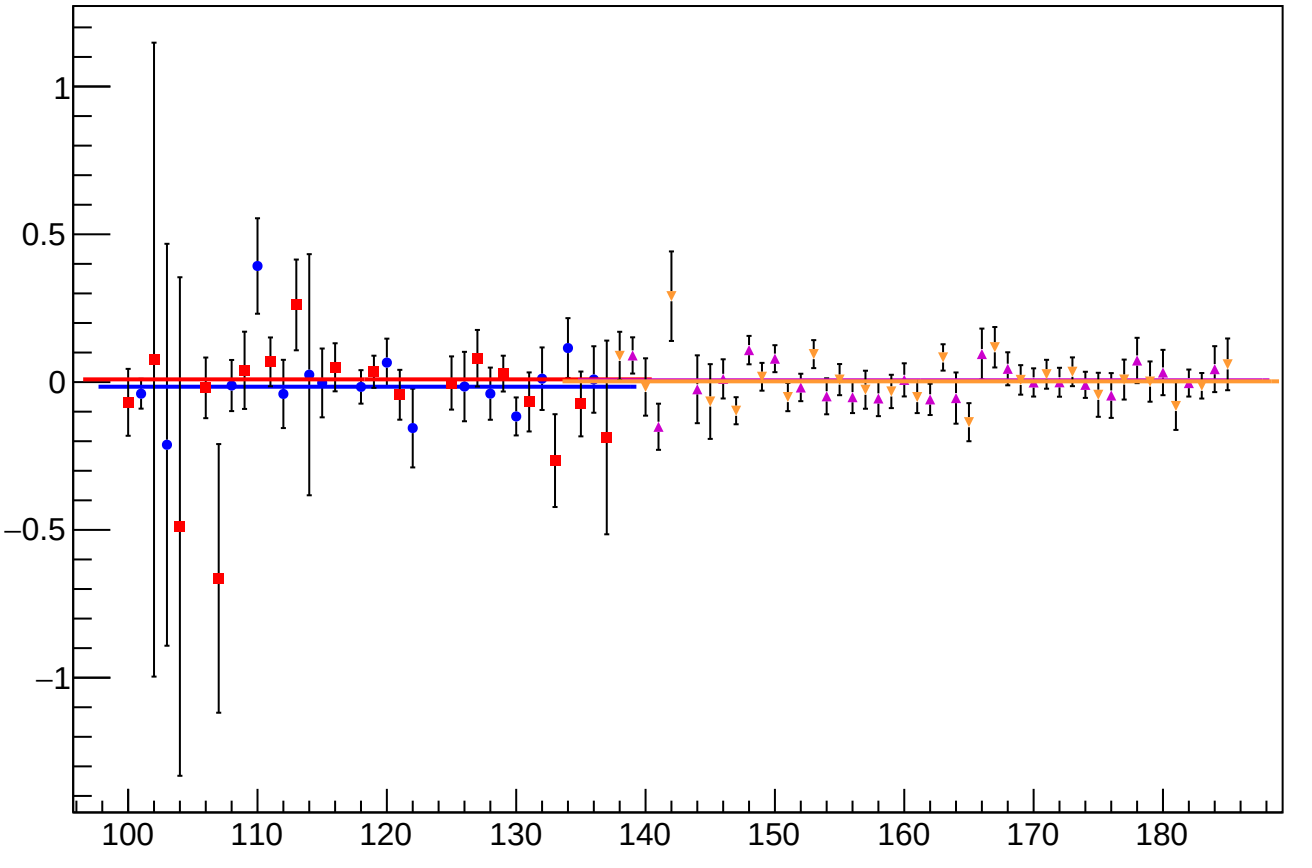
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.616+/-0.007 χ^2/NDF: 4338850.5/39

All: 47.903+/-0.005 χ^2/NDF: 8995155.1/80

- 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: 0.003+/-0.012 χ^2/NDF:29.9/23

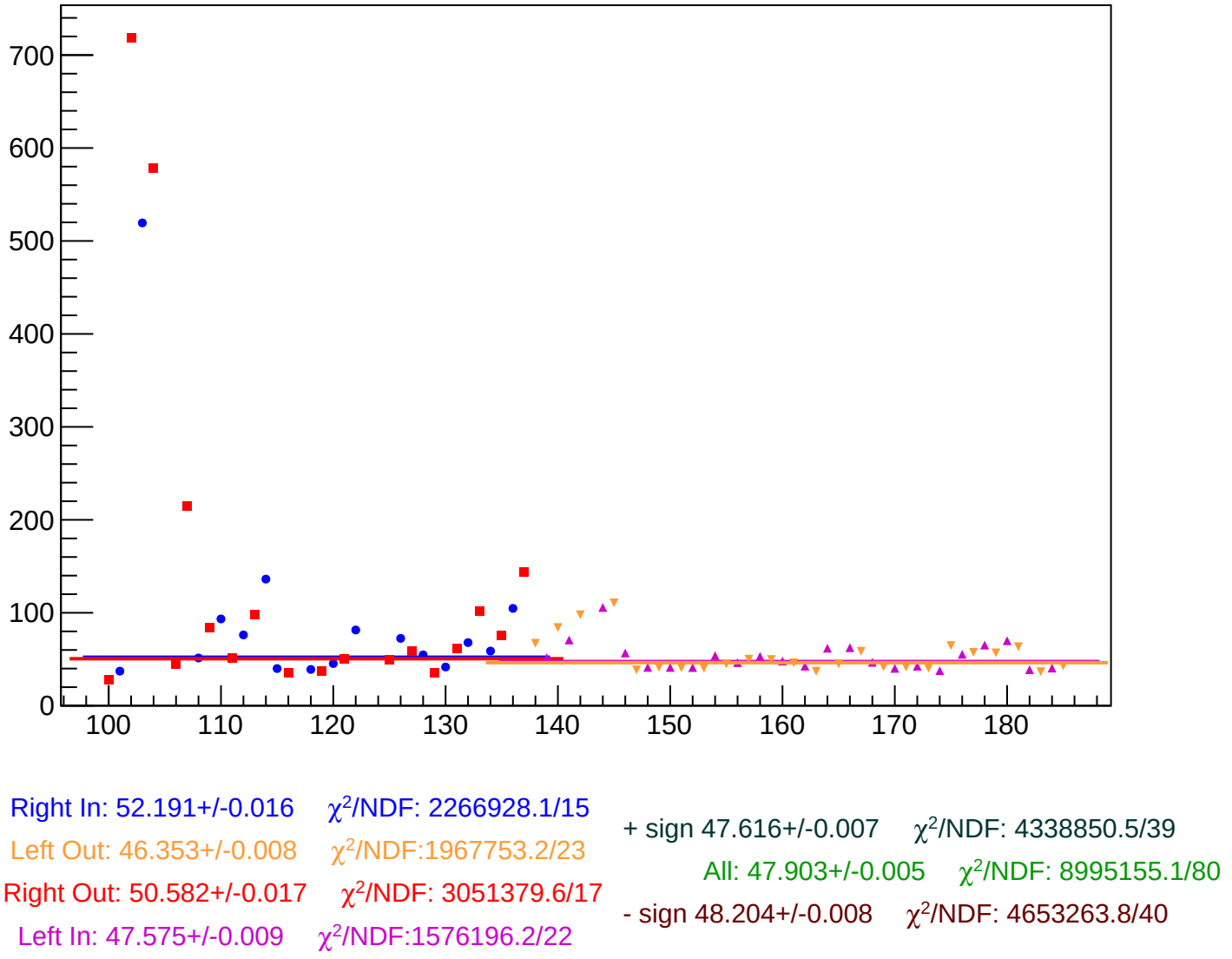
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

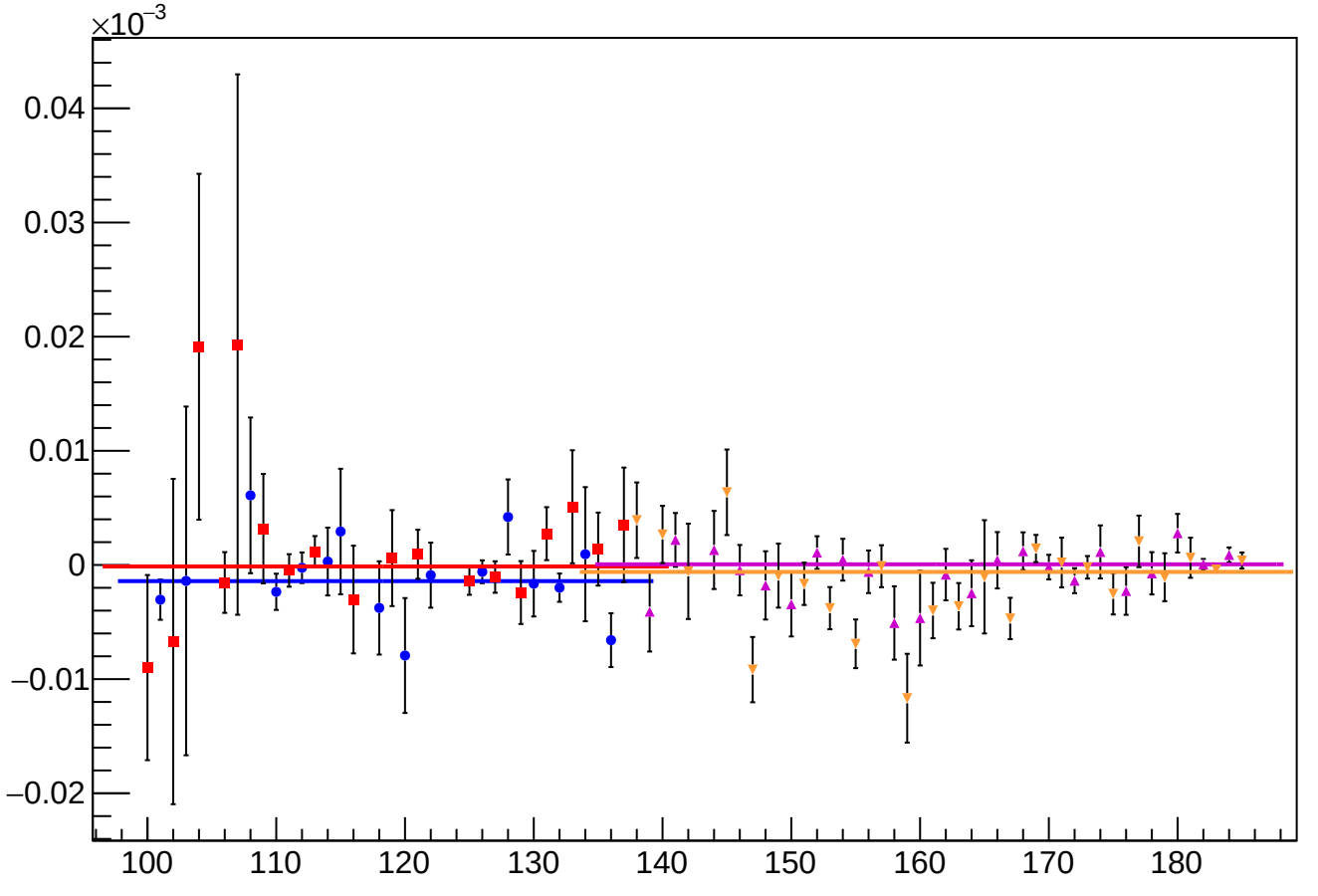
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.001+/-0.011 χ^2/NDF: 43.6/39

All: 0.003+/-0.008 χ^2/NDF: 78.0/80

\- sign 0.007+/-0.011 χ^2/NDF: 34.1/40


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 52.191+/-0.016 χ²/NDF: 2266928.1/15
Left Out: 46.353+/-0.008 χ²/NDF:1967753.2/23
Right Out: 50.582+/-0.017 χ²/NDF: 3051379.6/17
Left In: 47.575+/-0.009 χ²/NDF:1576196.2/22
+ sign 47.616+/-0.007 χ²/NDF: 4338850.5/39
All: 47.903+/-0.005 χ²/NDF: 8995155.1/80
- sign 48.204+/-0.008 χ²/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:54.0/23

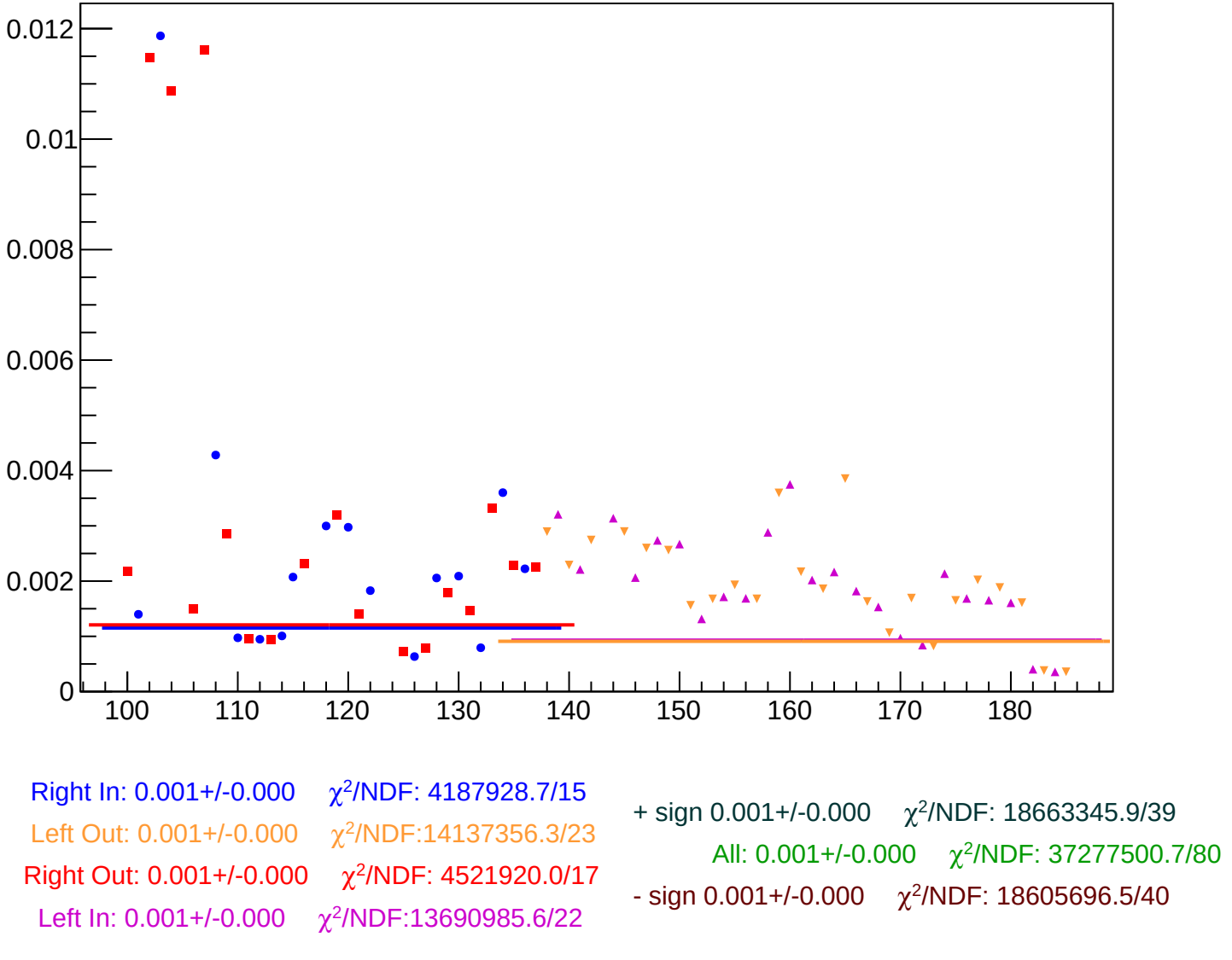
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

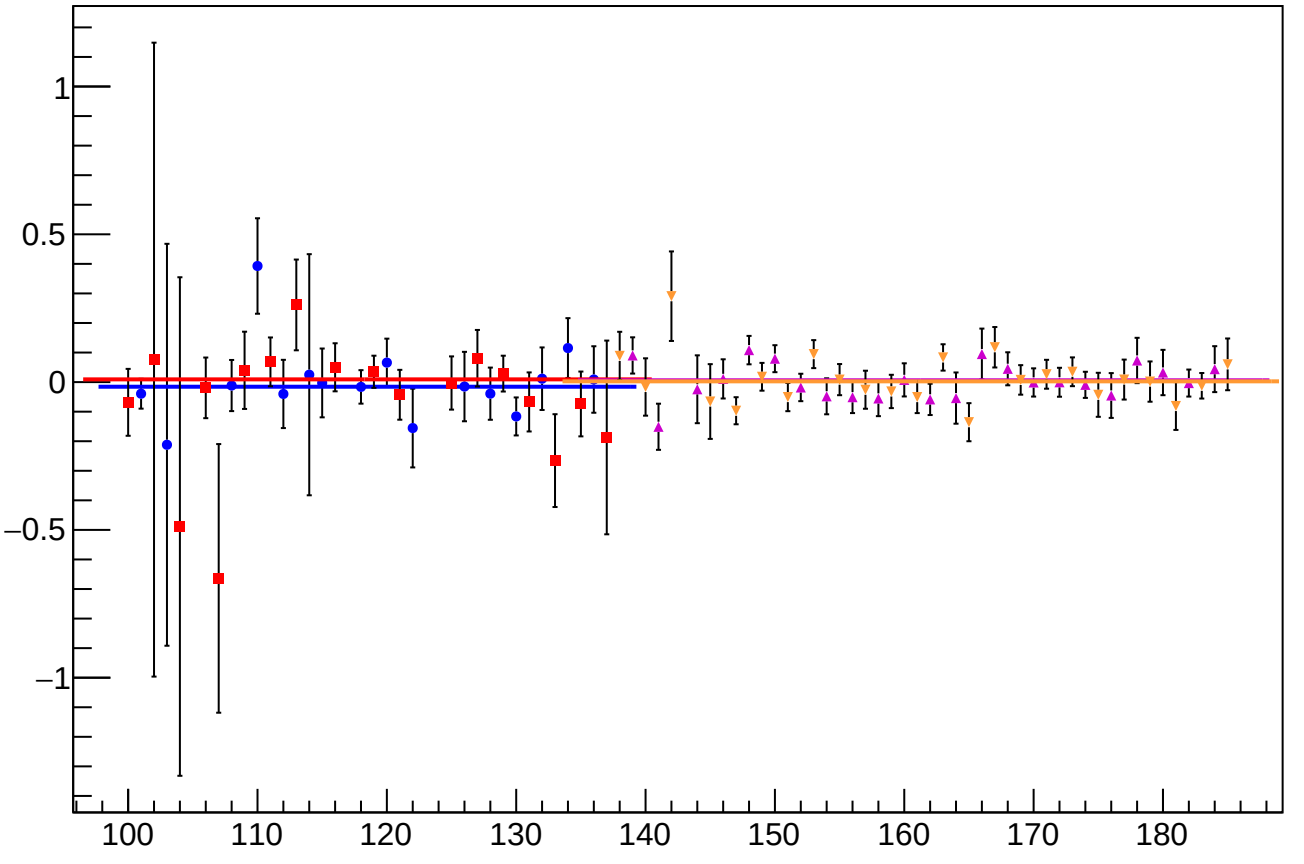
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.8/39

All: -0.000+/-0.000 χ^2/NDF: 105.7/80

- 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:14137356.3/23
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: 18663345.9/39
All: 0.001+/-0.000 χ²/NDF: 37277500.7/80
- sign 0.001+/-0.000 χ²/NDF: 18605696.5/40



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

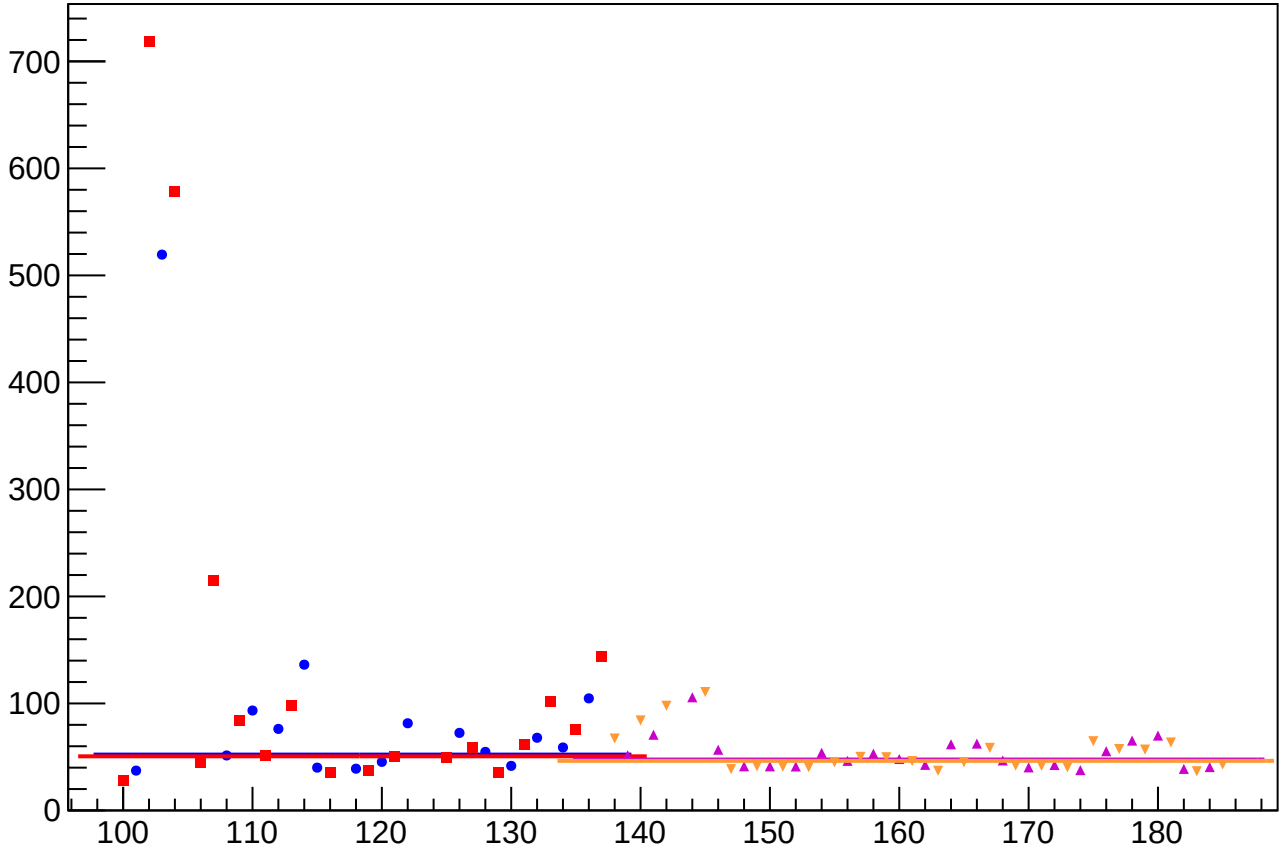
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.001+/-0.011 χ^2/NDF: 43.6/39

All: 0.003+/-0.008 χ^2/NDF: 78.0/80

\- sign 0.007+/-0.011 χ^2/NDF: 34.1/40

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

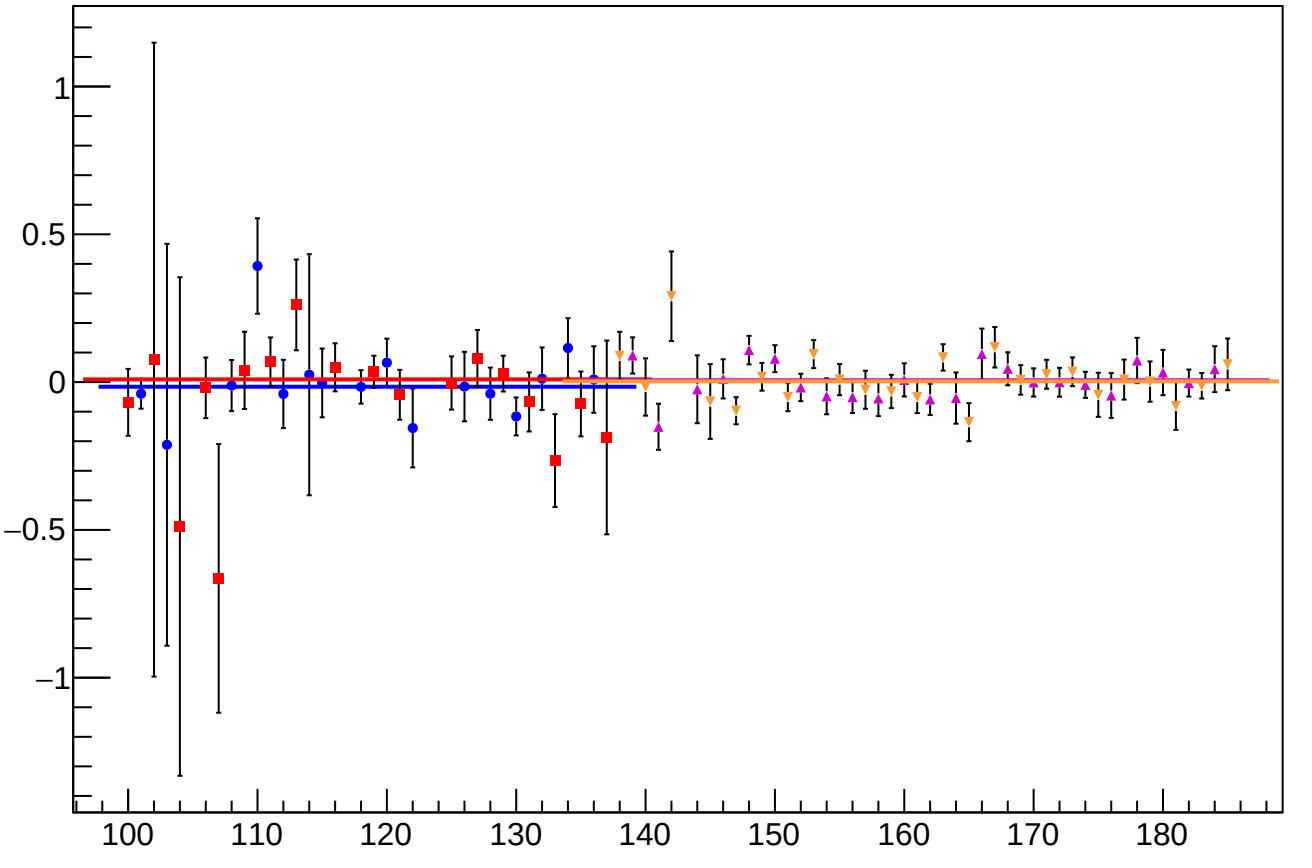
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.616+/-0.007 χ^2/NDF: 4338821.7/39

All: 47.903+/-0.005 χ^2/NDF: 8995112.6/80

- 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: 0.003+/-0.012 χ^2/NDF:29.9/23

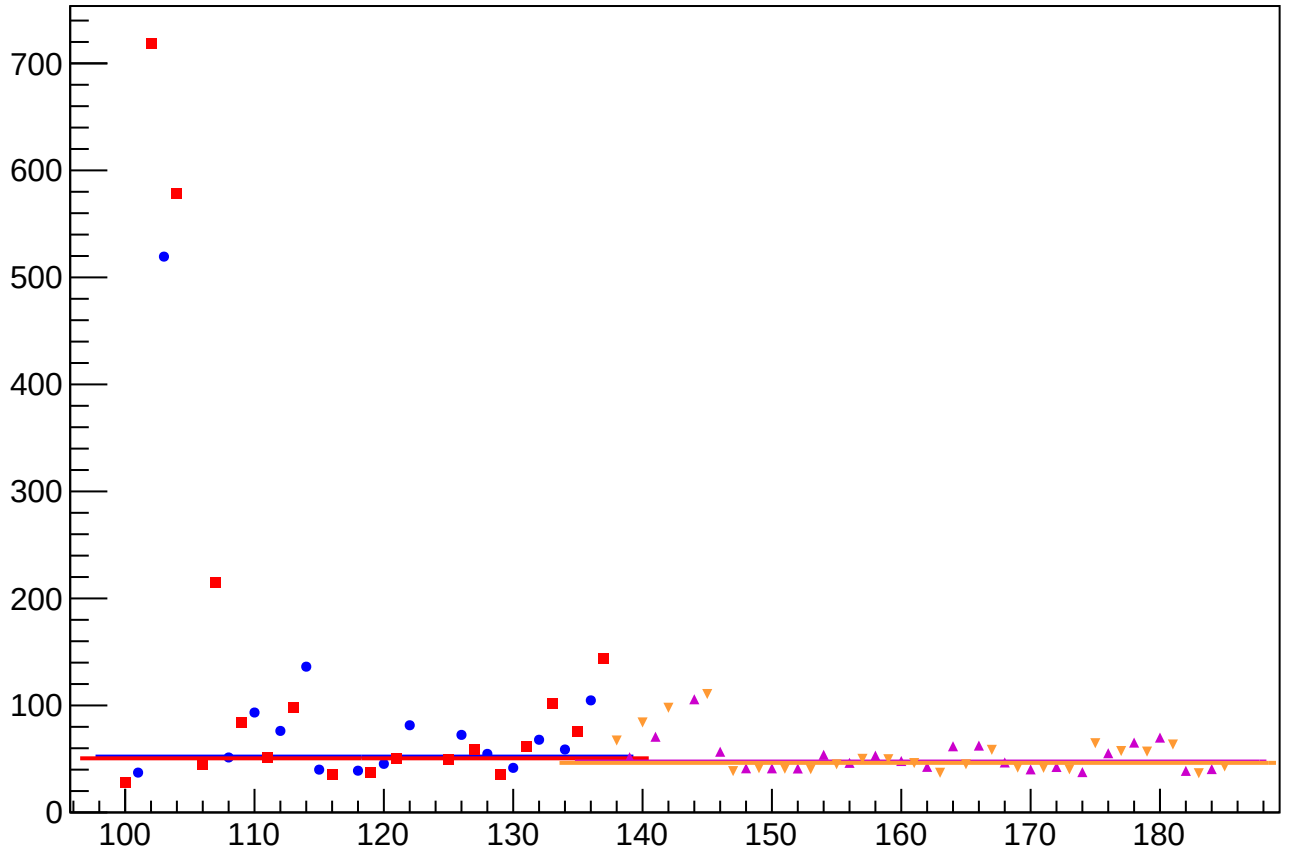
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 43.6/39

All: 0.003+/-0.008 χ^2/NDF: 78.0/80

- 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: 46.354+/-0.008 χ^2/NDF:1967741.3/23

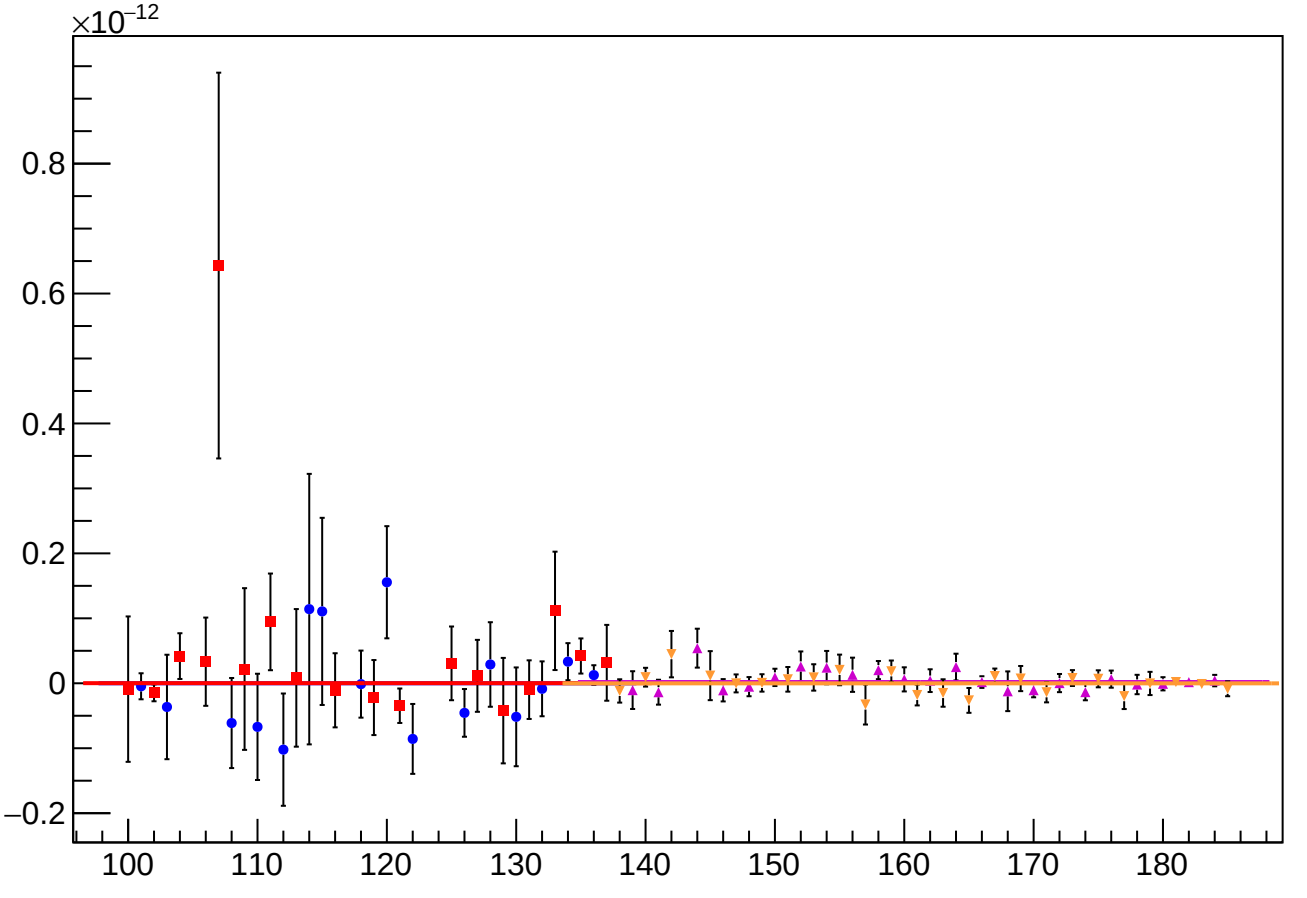
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.616+/-0.007 χ^2/NDF: 4338821.7/39

All: 47.903+/-0.005 χ^2/NDF: 8995112.6/80

- 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:13.9/23

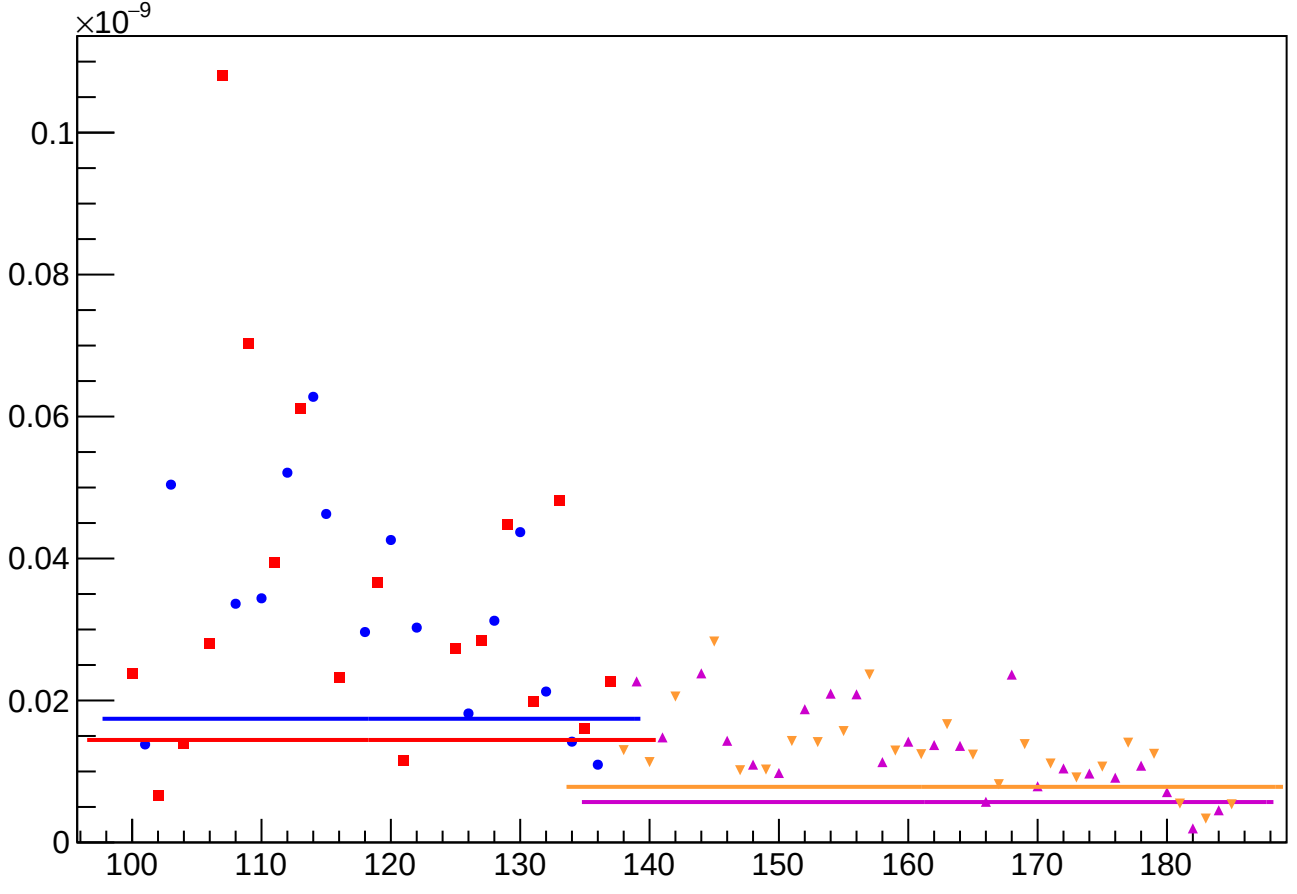
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

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

All: 0.000+/-0.000 χ^2/NDF: 57.7/80

- 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:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

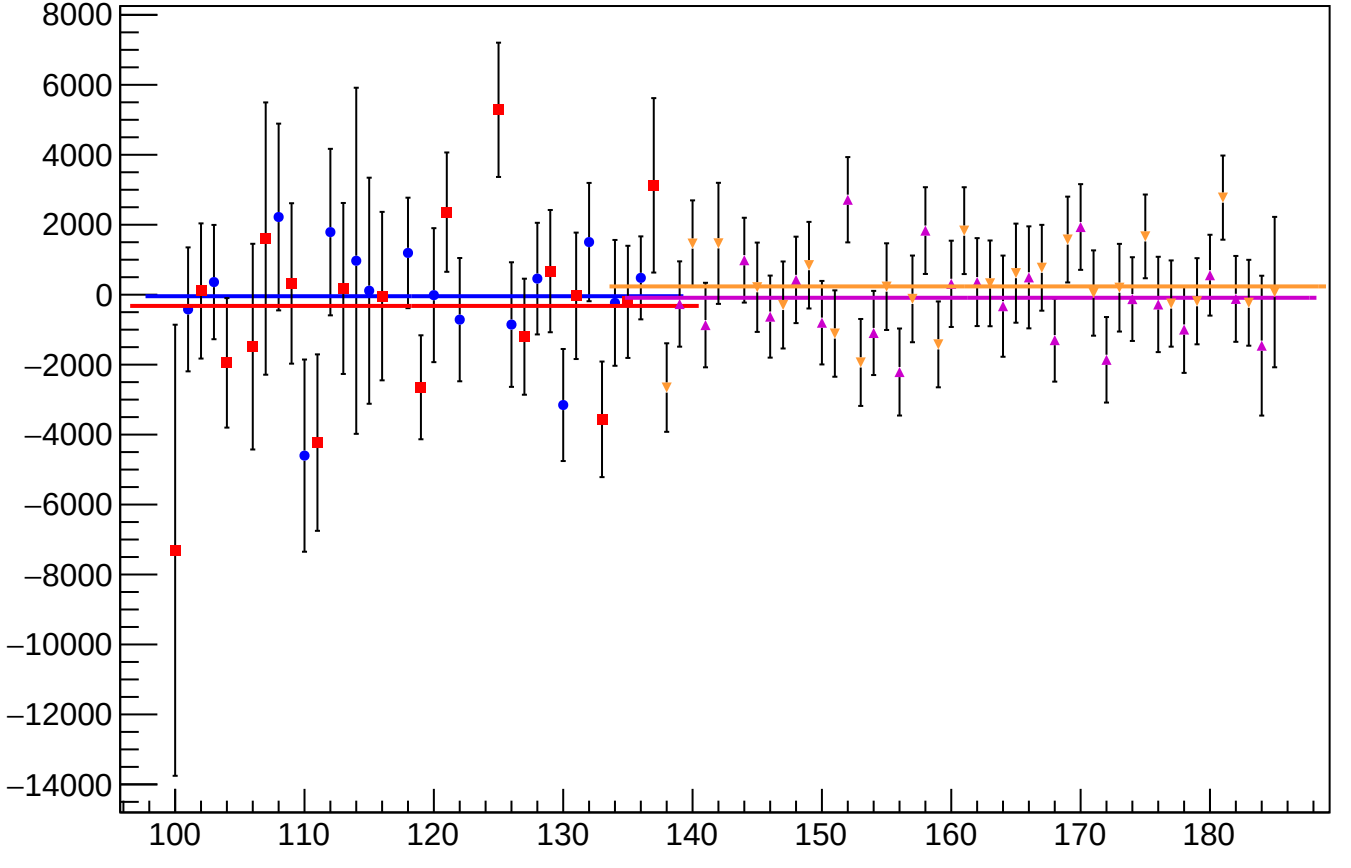
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10588499.3/39

All: 0.000+/-0.000 χ^2/NDF: 27908906.8/80

- 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: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

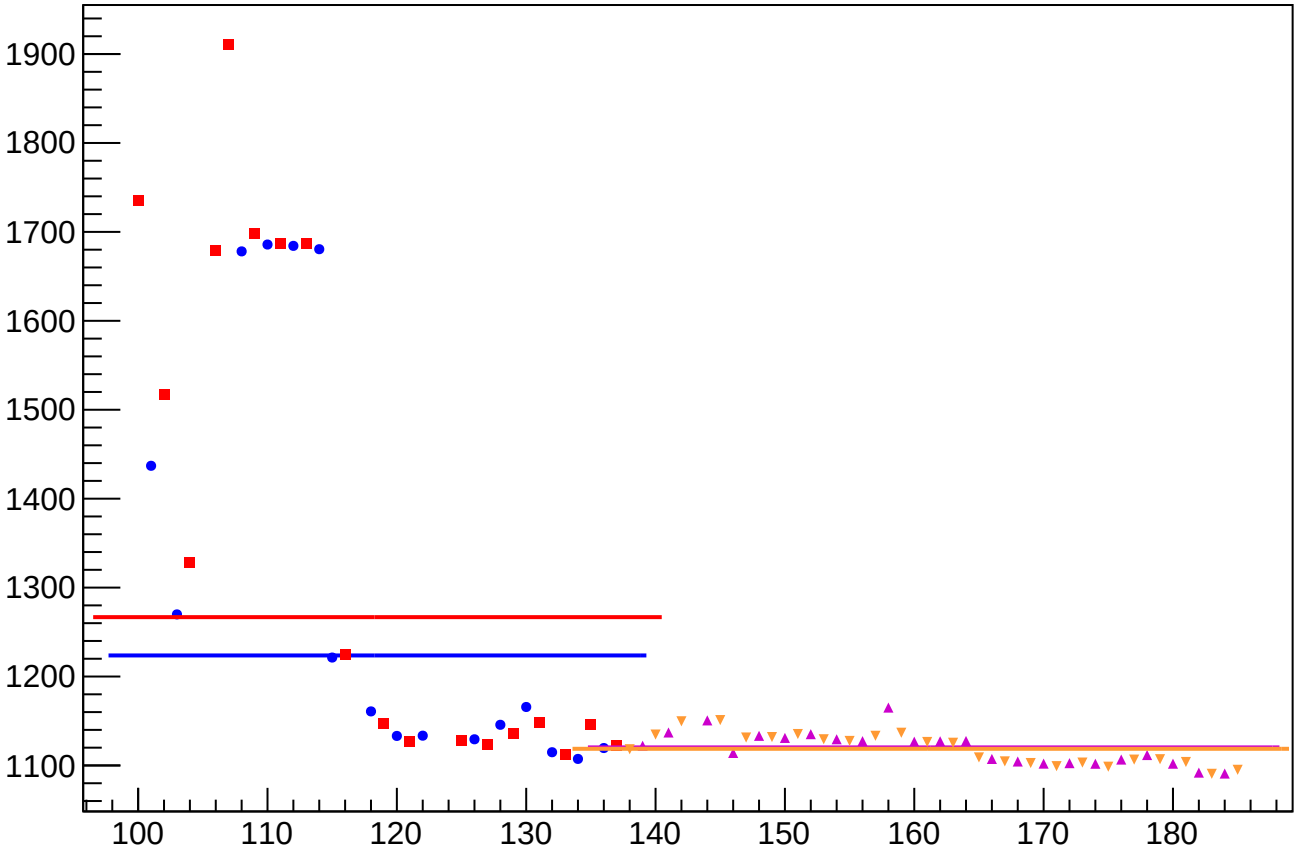
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 168.696+/-226.035 χ^2/NDF: 33.1/39

All: 15.177+/-160.918 χ^2/NDF: 79.9/80

- 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: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

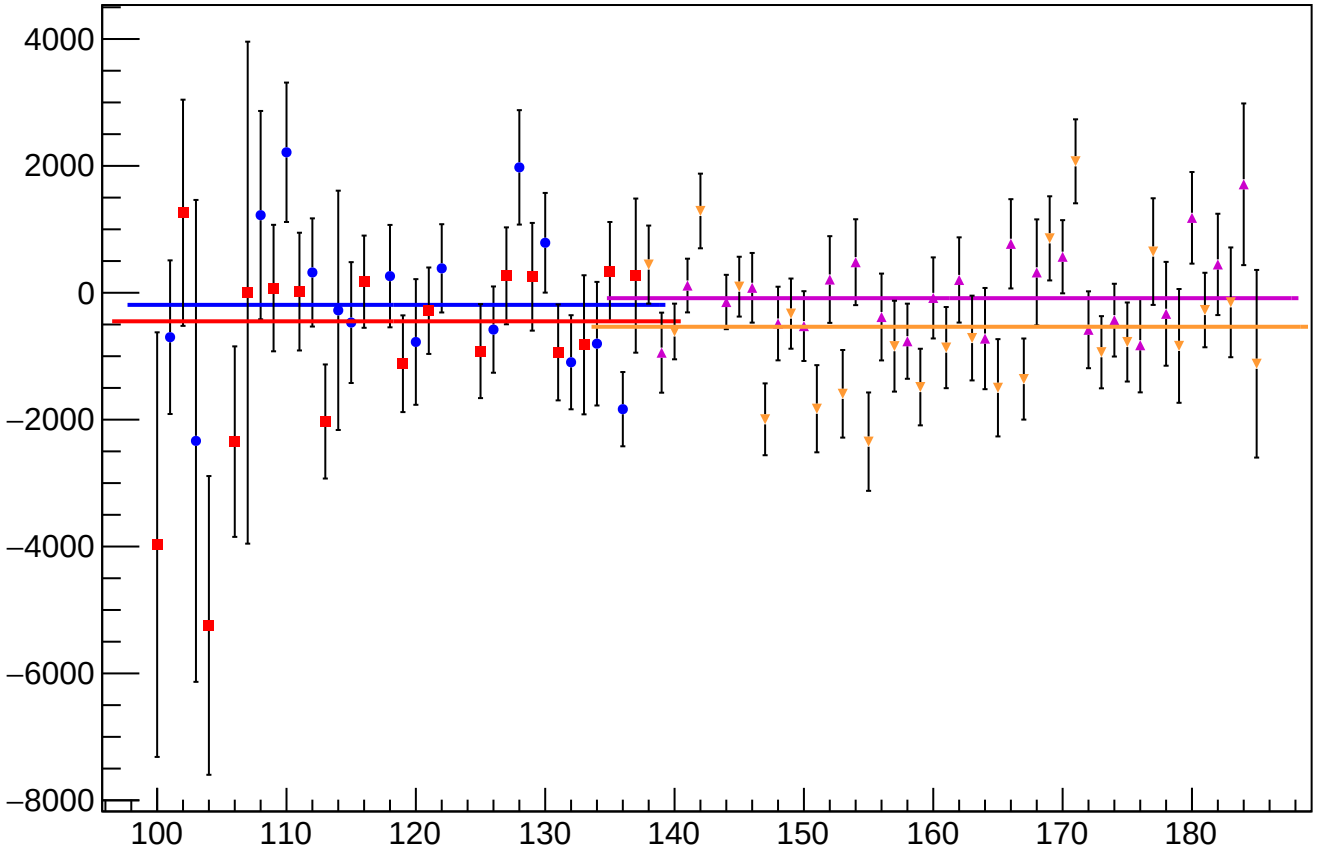
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.165+/-0.160 χ^2/NDF: 382356.1/39

All: 1149.214+/-0.114 χ^2/NDF: 972647.6/80

- 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: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

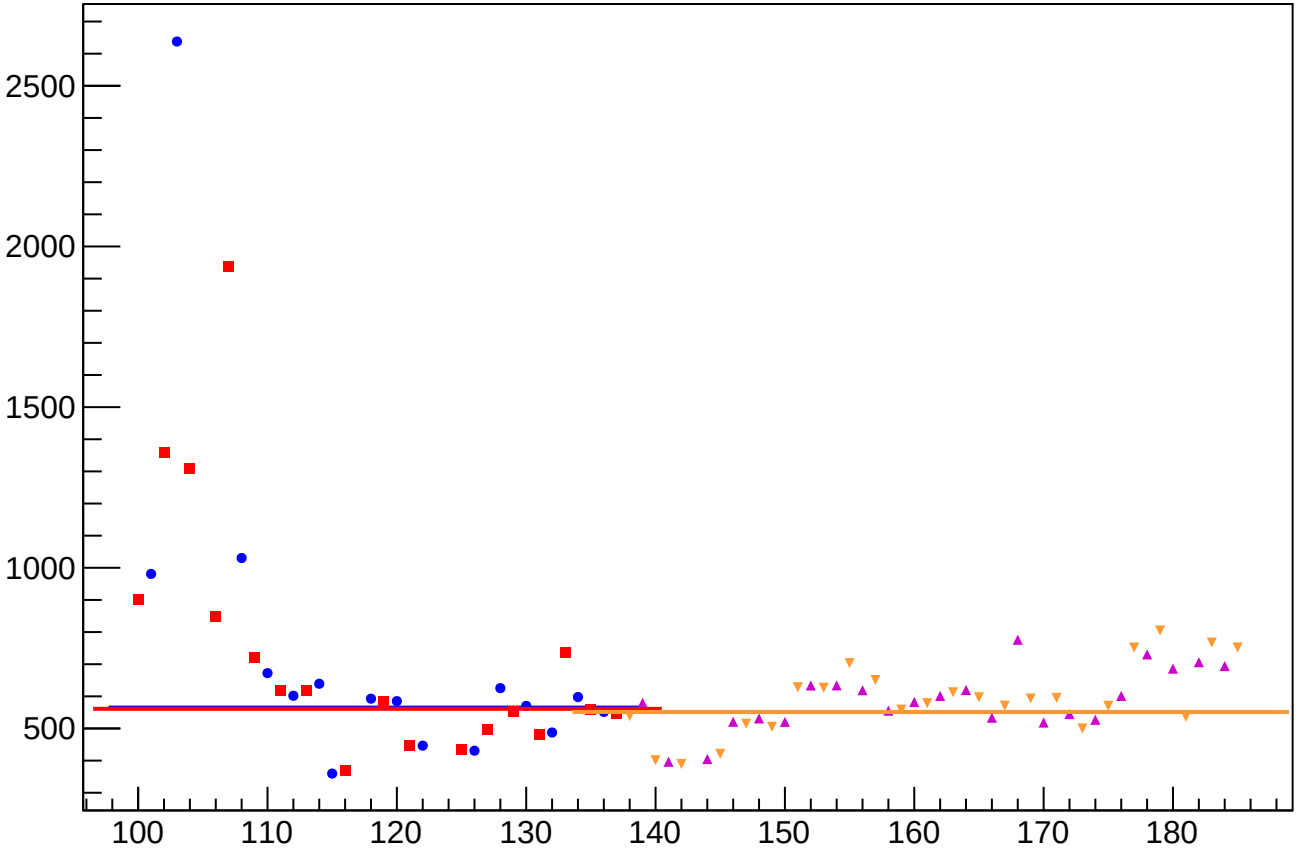
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -447.598+/-112.708 χ^2/NDF: 88.6/39

All: -313.410+/-79.785 χ^2/NDF: 127.4/80

\- sign -178.630+/-112.957 χ^2/NDF: 35.9/40

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

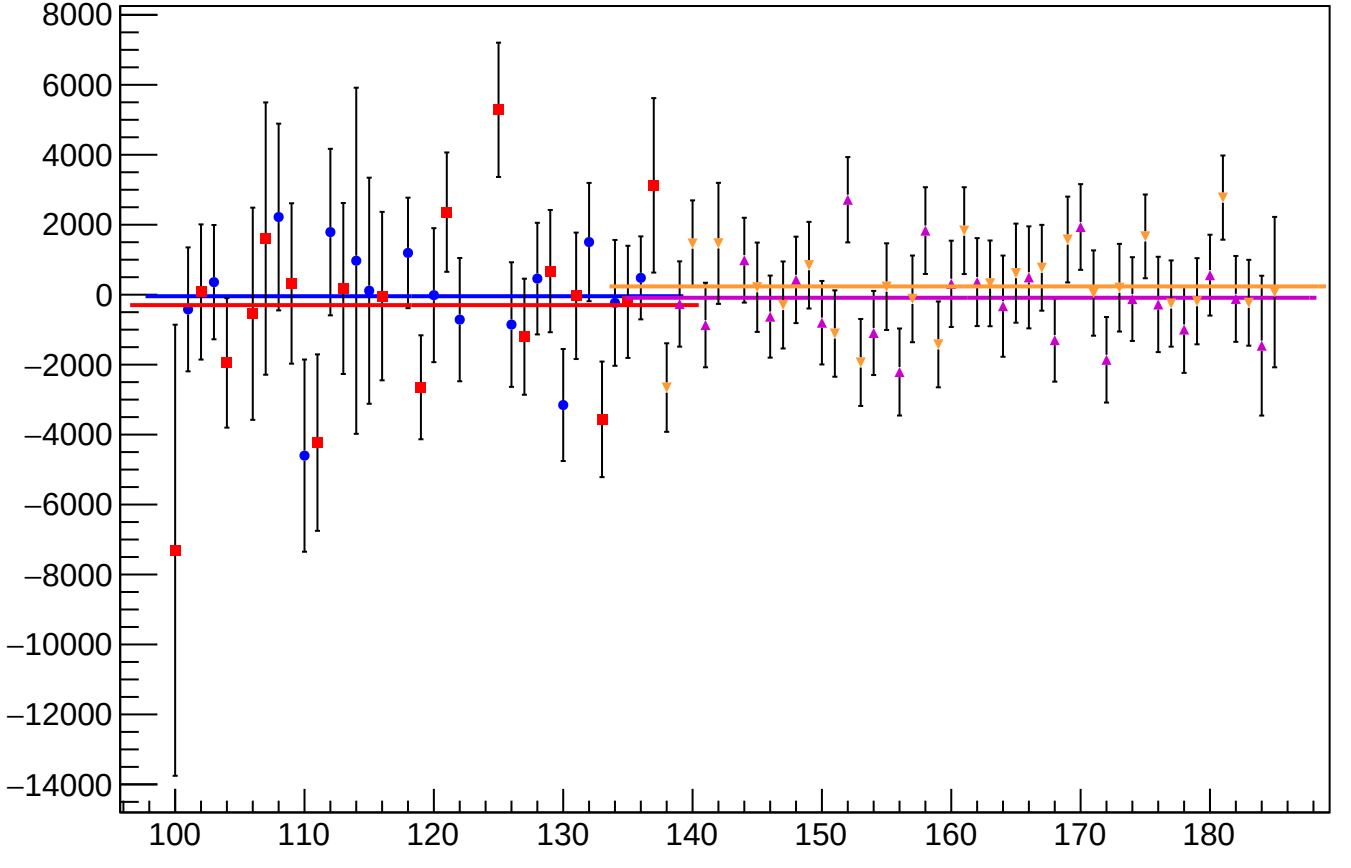
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 554.897+/-0.080 χ^2/NDF: 2516572.1/39

All: 554.387+/-0.056 χ^2/NDF: 4933589.1/80

- 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: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

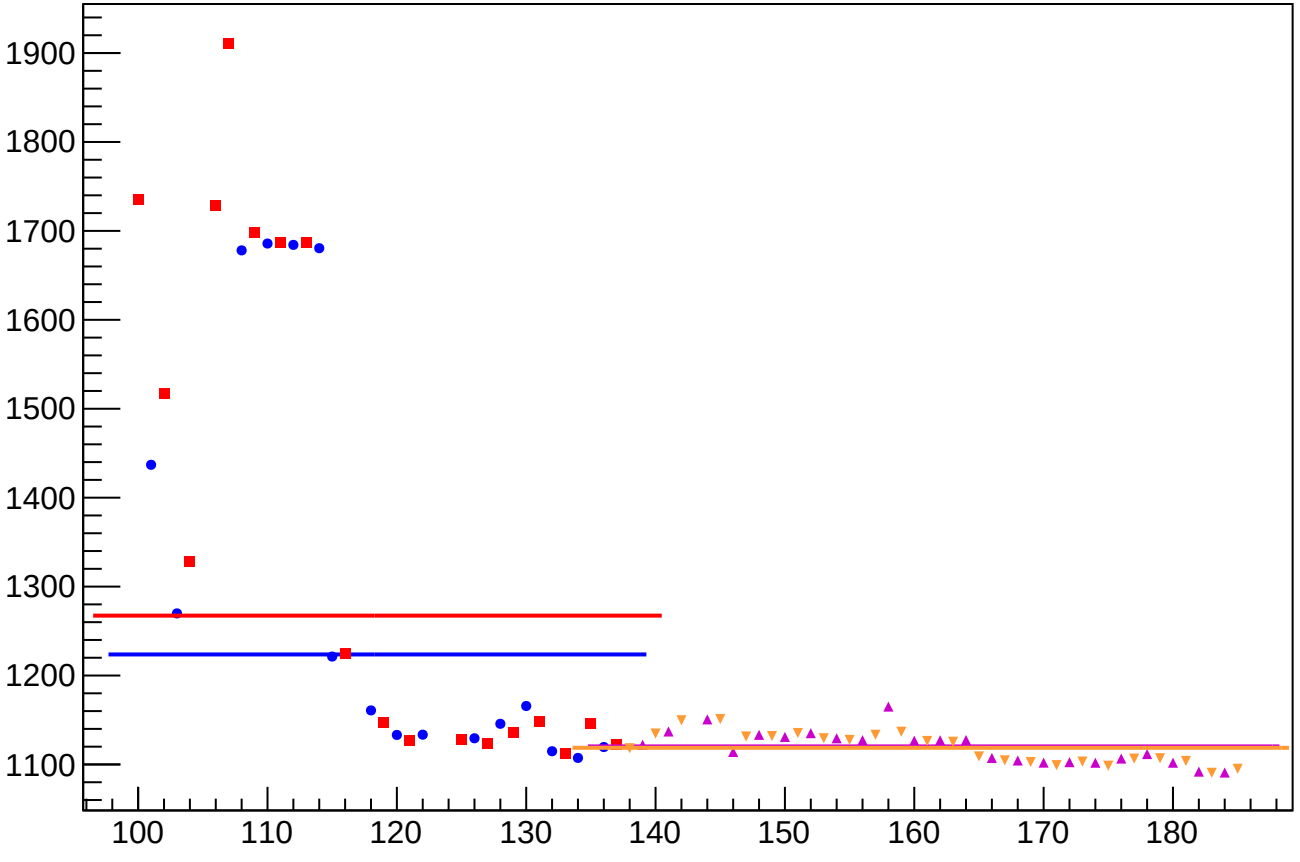
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 168.669+/-226.035 χ^2/NDF: 33.1/39

All: 17.872+/-160.933 χ^2/NDF: 79.7/80

- 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: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

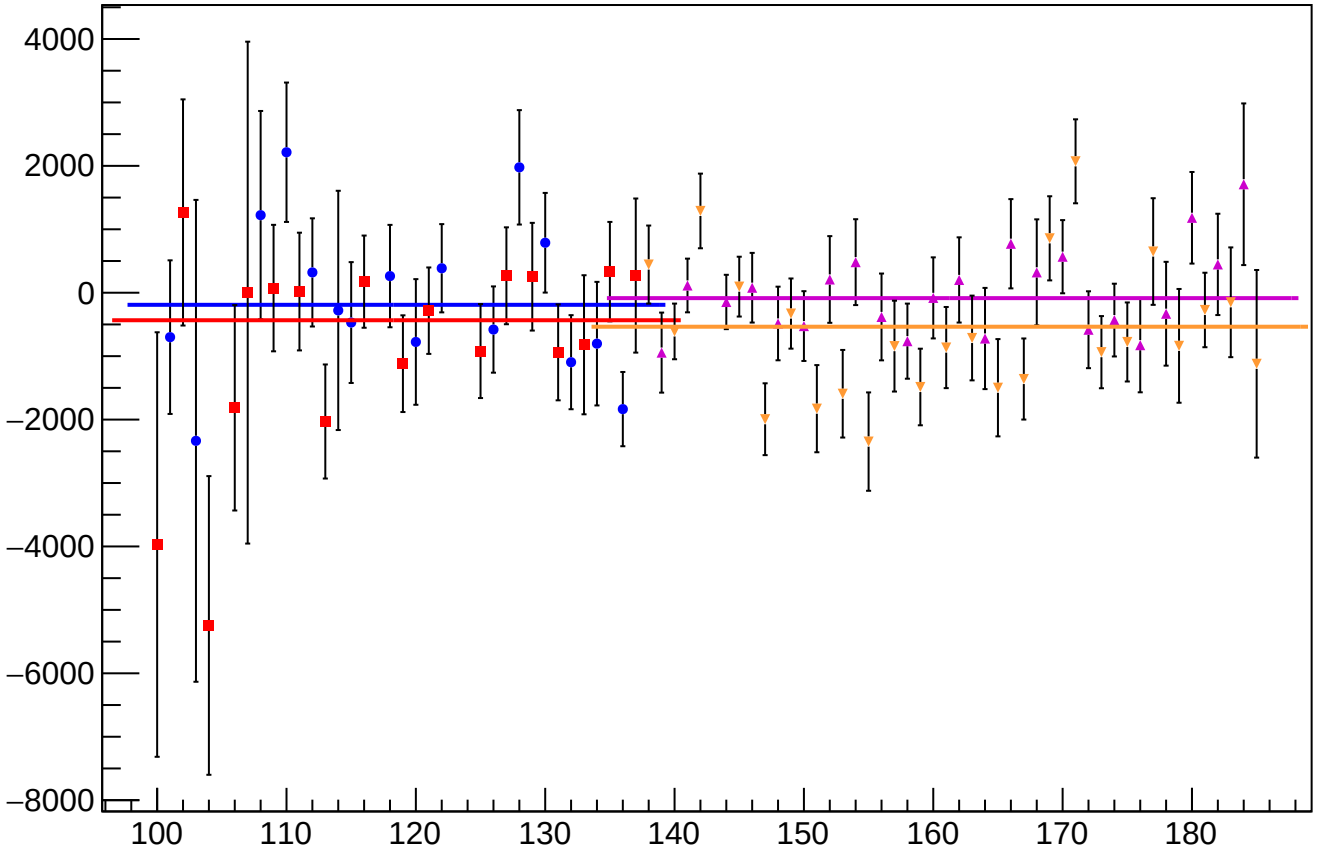
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.165+/-0.160 χ^2/NDF: 382356.2/39

All: 1149.260+/-0.114 χ^2/NDF: 980808.3/80

- 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: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

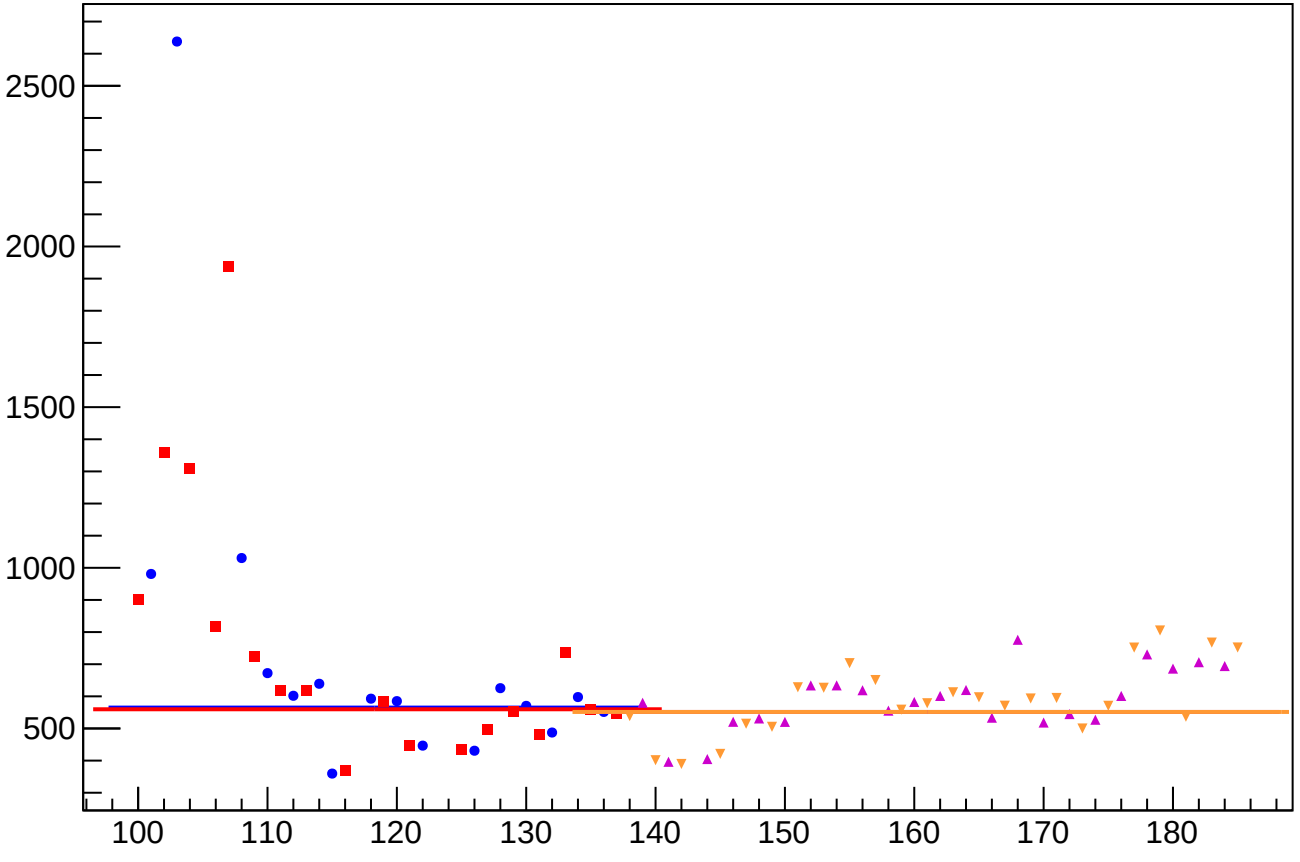
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -447.623+/-112.708 χ^2/NDF: 88.6/39

All: -311.330+/-79.800 χ^2/NDF: 126.4/80

\- 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: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

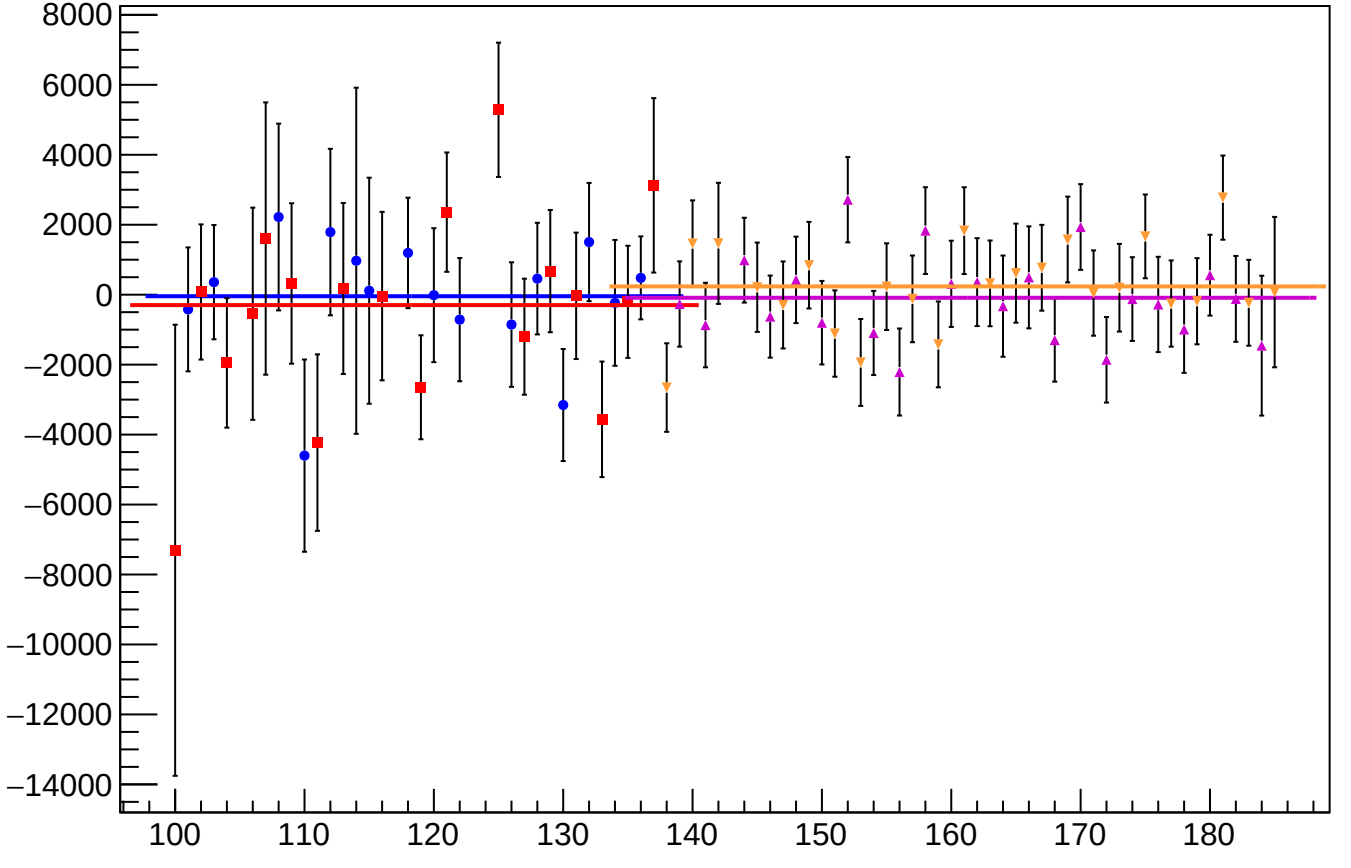
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 554.896+/-0.080 χ^2/NDF: 2516561.6/39

All: 554.194+/-0.056 χ^2/NDF: 4909919.8/80

- 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: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

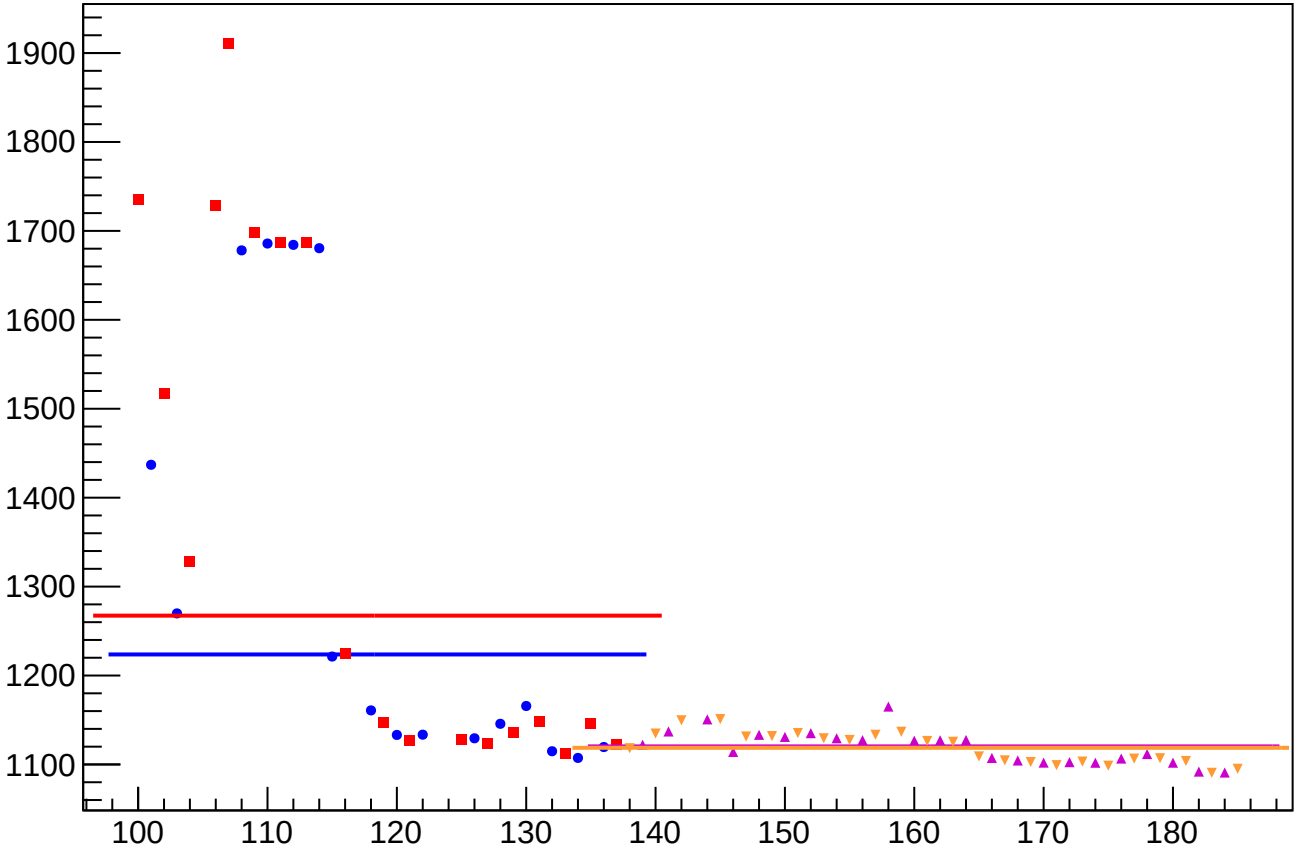
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 168.669+/-226.035 χ^2/NDF: 33.1/39

All: 17.872+/-160.933 χ^2/NDF: 79.7/80

- 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: 1118.733+/-0.184 χ^2/NDF:8205.0/23

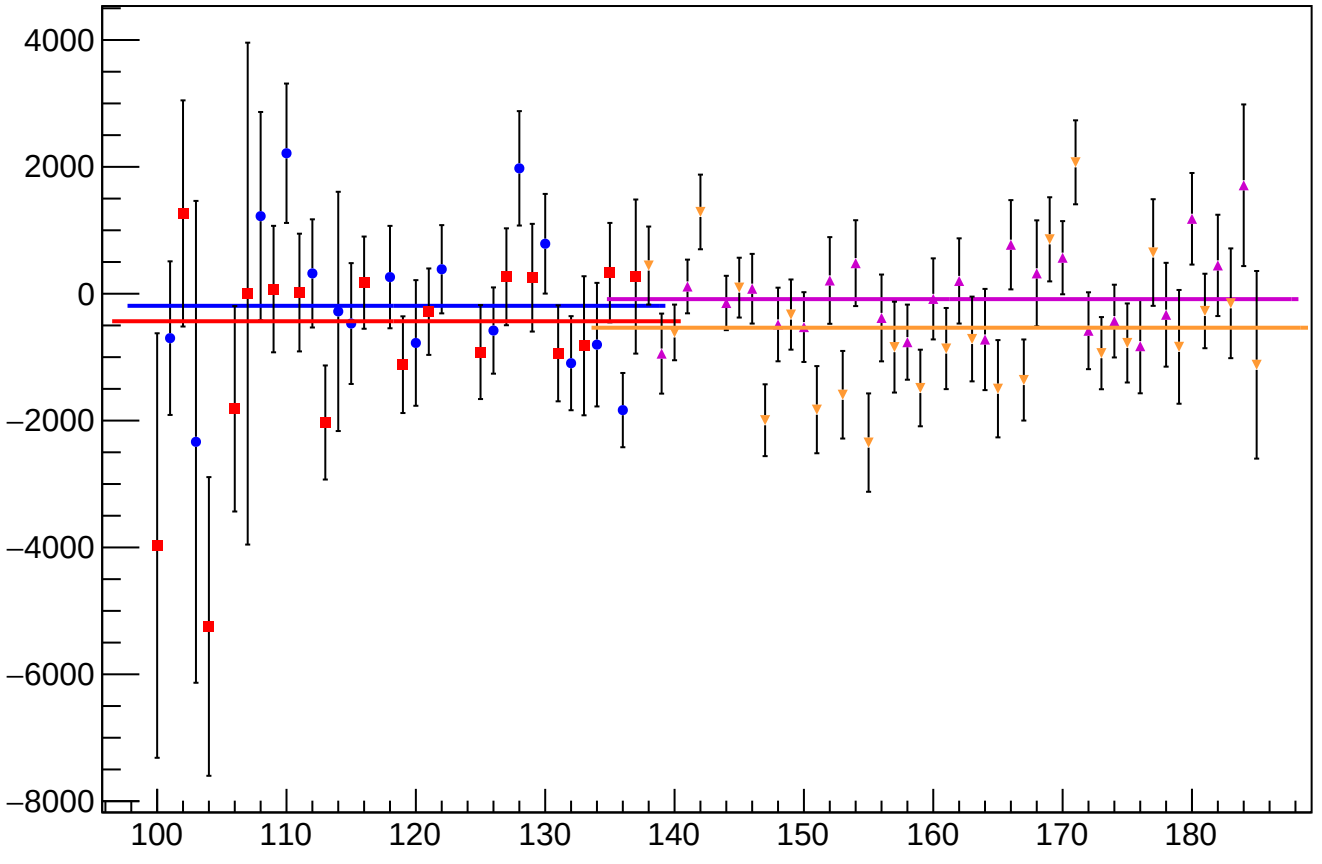
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.165+/-0.160 χ^2/NDF: 382356.2/39

All: 1149.260+/-0.114 χ^2/NDF: 980808.3/80

- 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: -535.930+/-130.646 χ^2/NDF:61.6/23

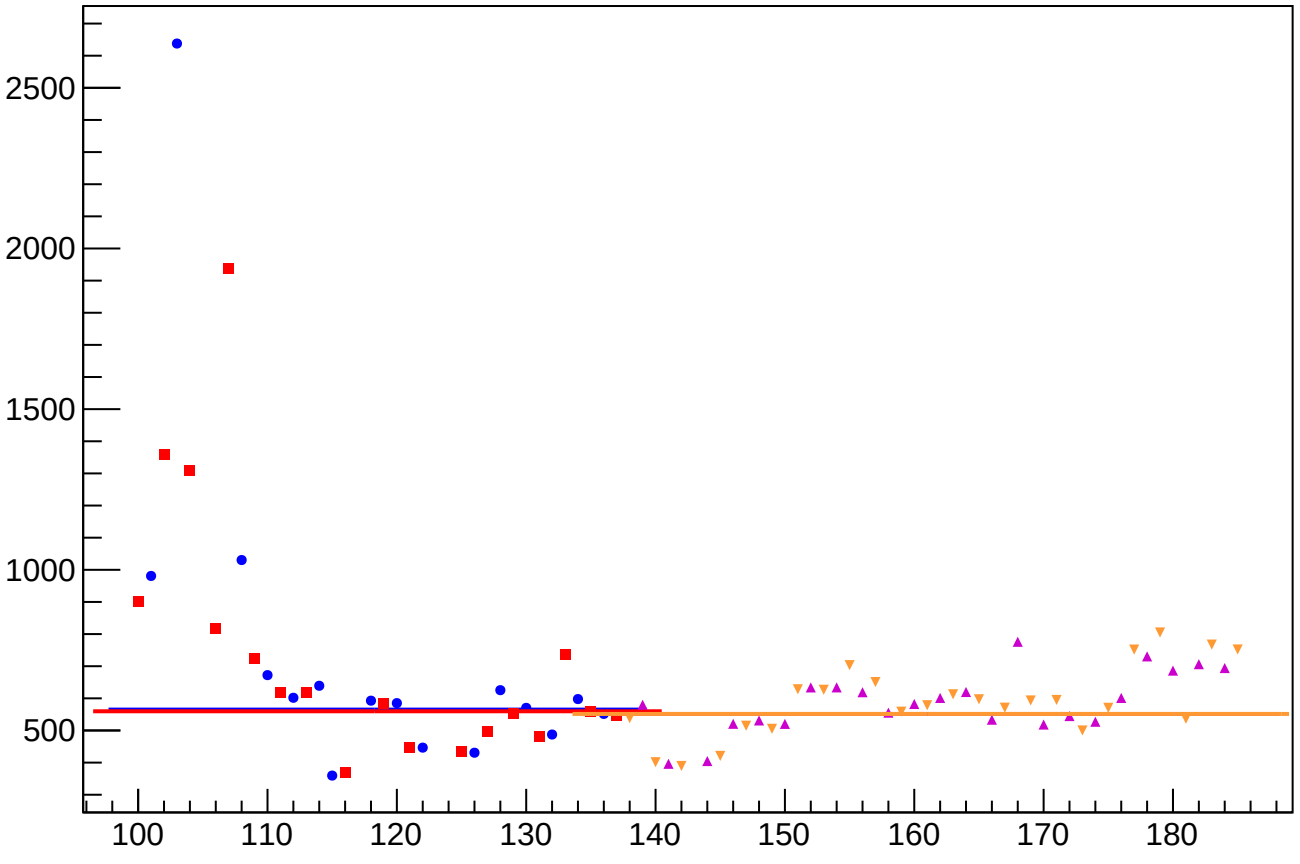
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -447.623+/-112.708 χ^2/NDF: 88.6/39

All: -311.330+/-79.800 χ^2/NDF: 126.4/80

\- 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: 551.439+/-0.092 χ^2/NDF:1226632.2/23

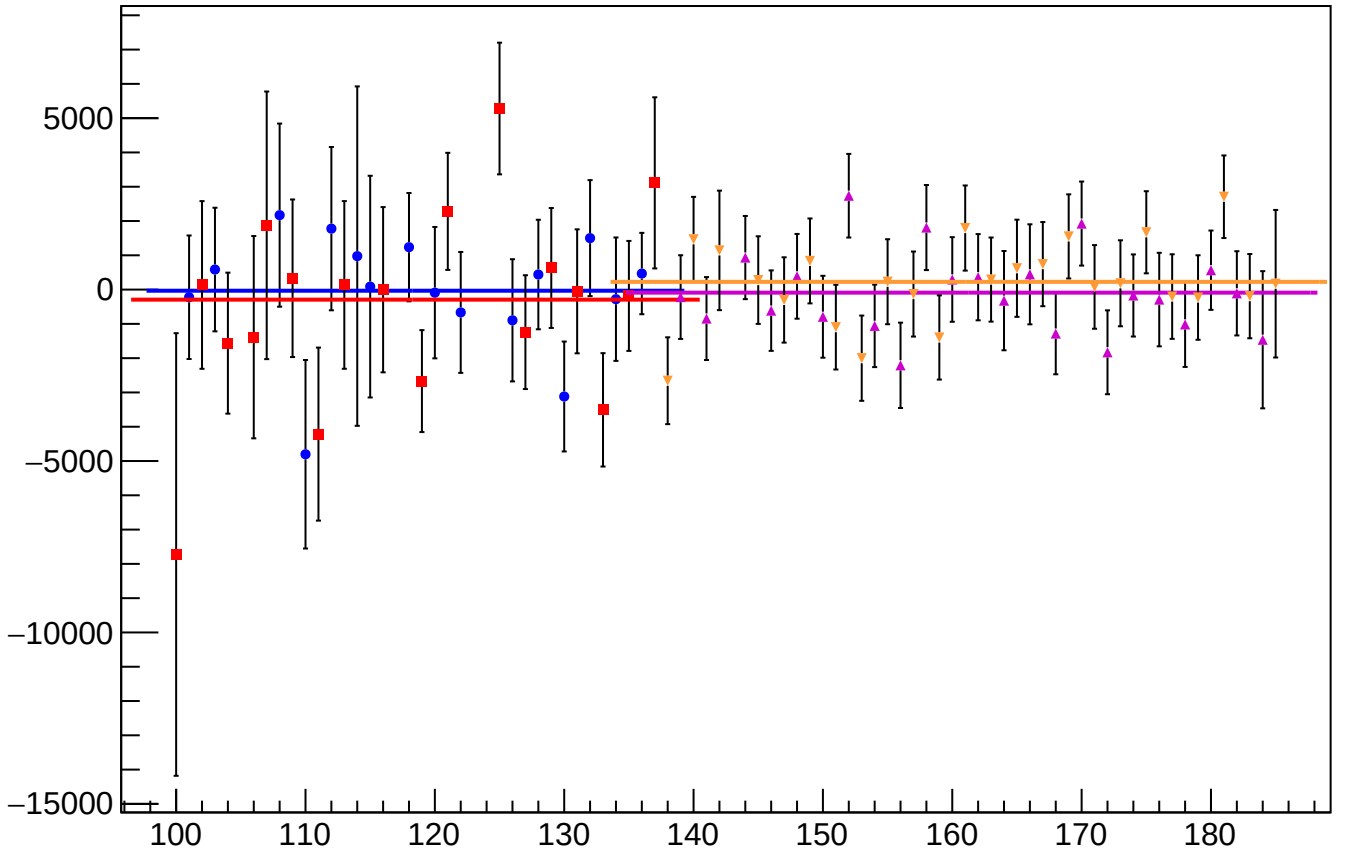
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 554.896+/-0.080 χ^2/NDF: 2516561.6/39

All: 554.194+/-0.056 χ^2/NDF: 4909919.8/80

- sign 553.488+/-0.080 χ^2/NDF: 2393202.5/40



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

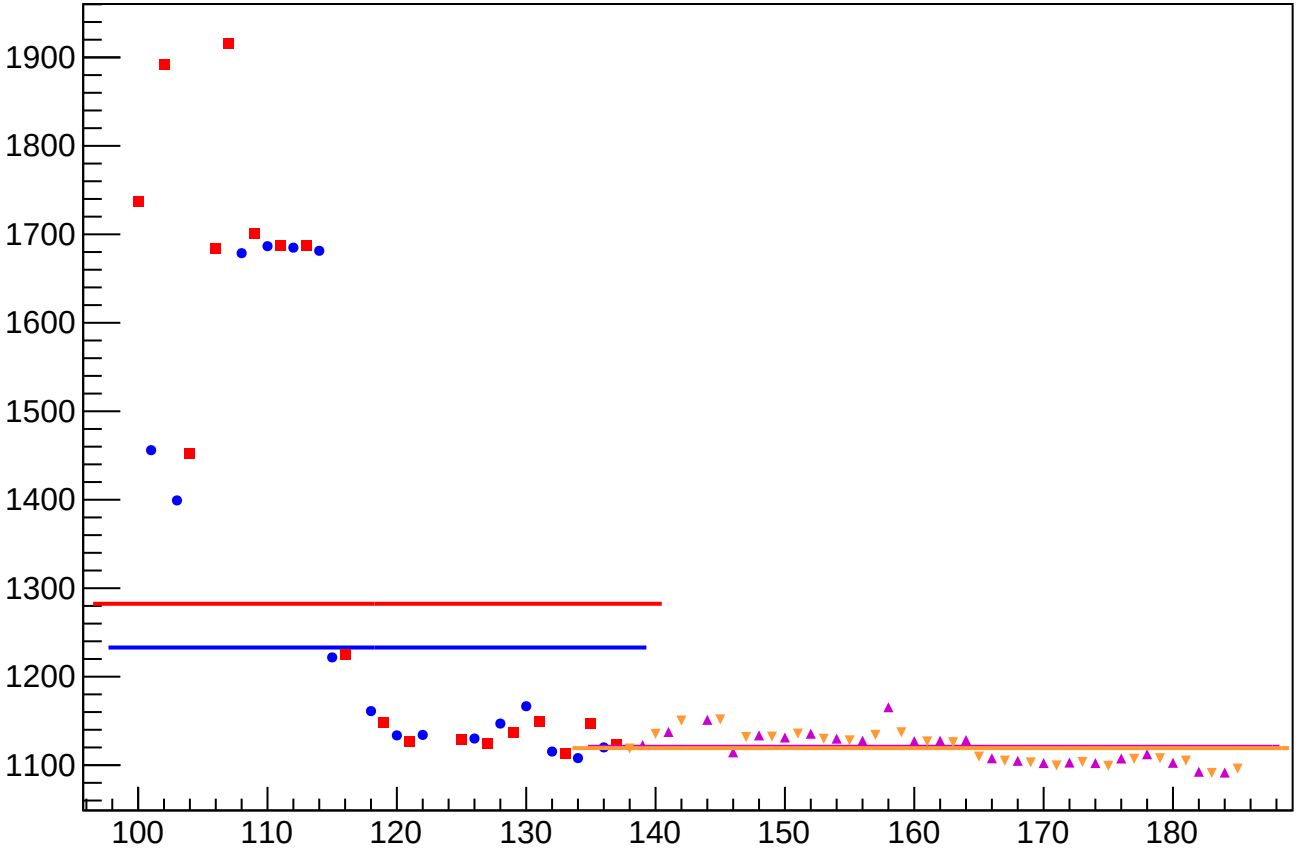
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 163.741+/-226.613 χ^2/NDF: 32.7/39

All: 16.555+/-161.492 χ^2/NDF: 78.5/80

- 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: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

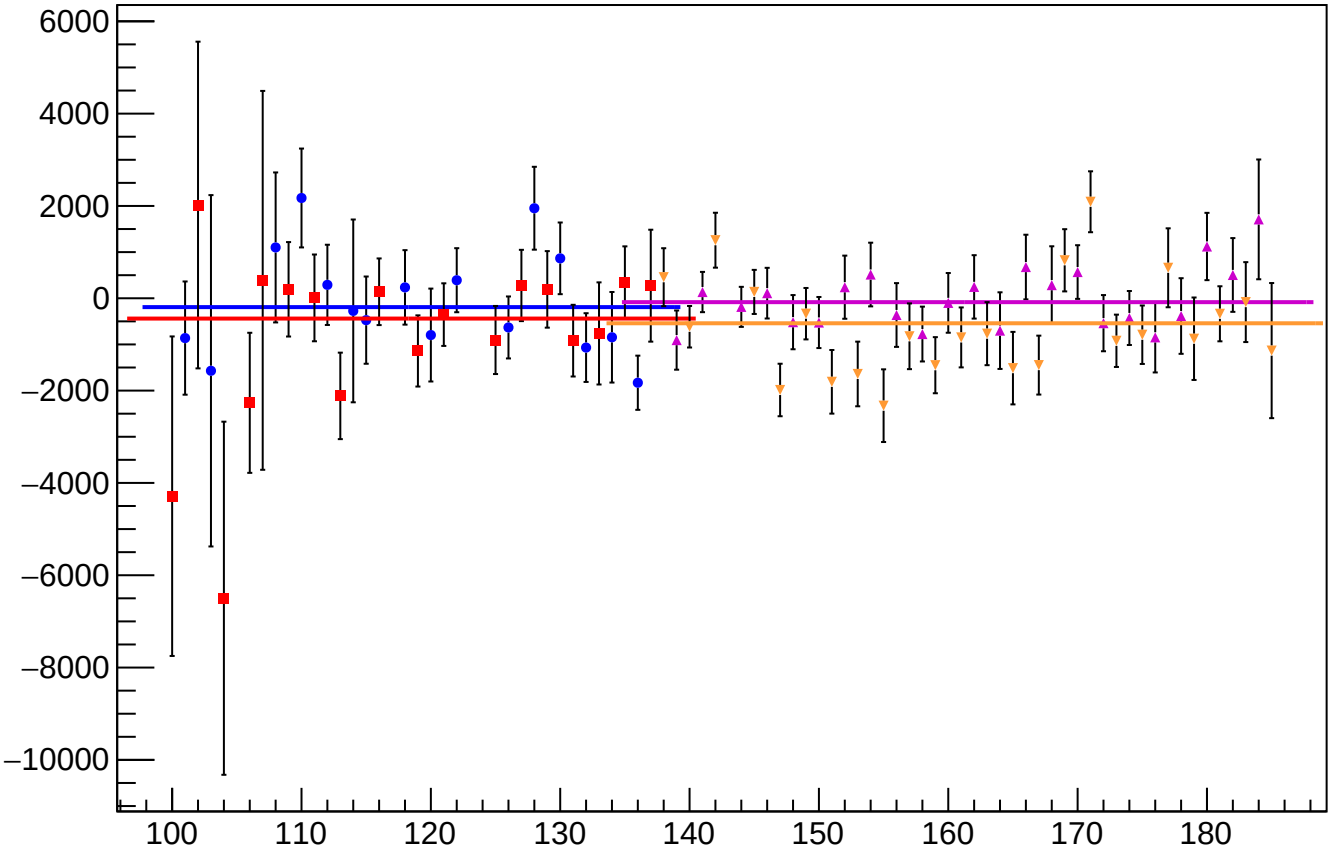
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1146.472+/-0.160 χ^2/NDF: 415284.8/39

All: 1151.841+/-0.114 χ^2/NDF: 1143015.0/80

- 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: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

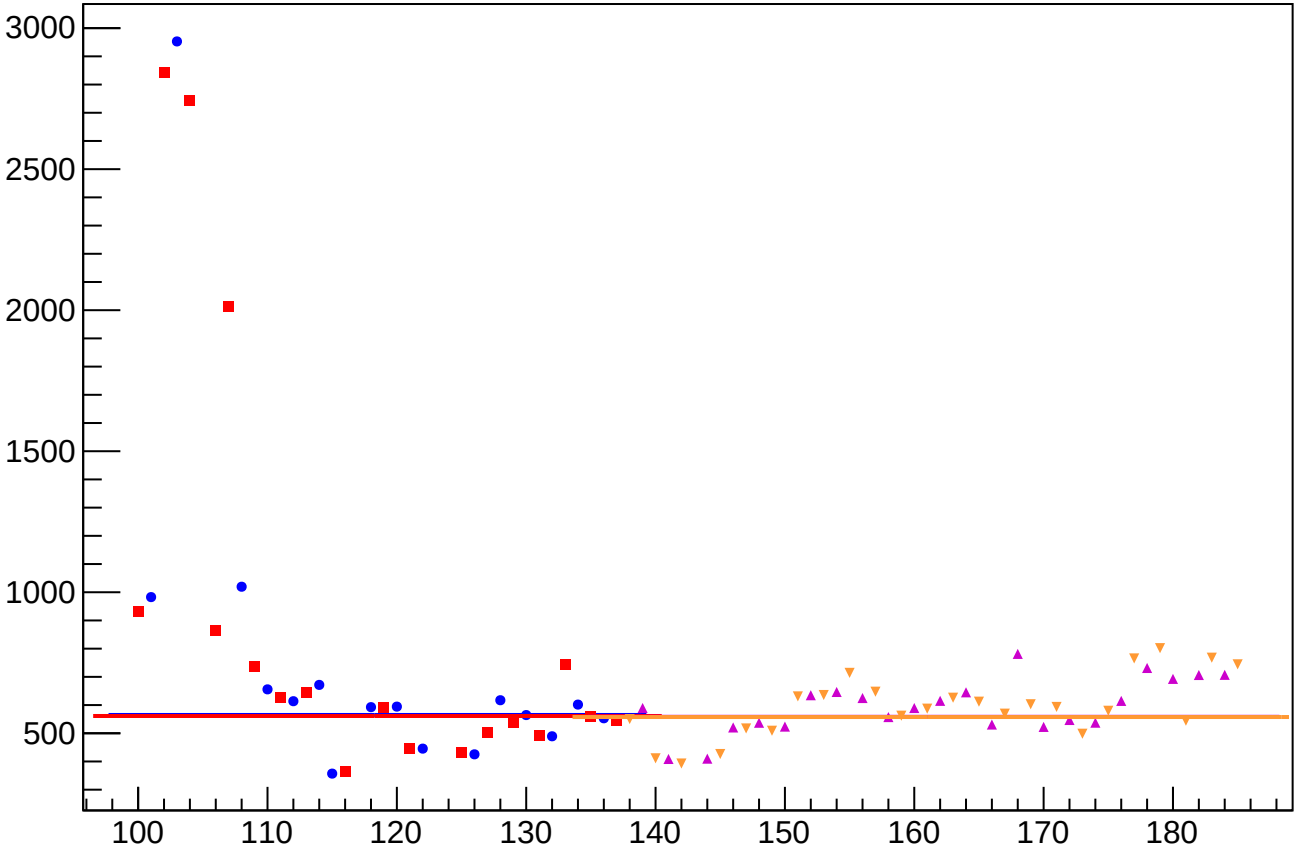
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -450.607+/-113.568 χ^2/NDF: 88.0/39

All: -313.699+/-80.601 χ^2/NDF: 123.8/80

- 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: 557.592+/-0.093 χ^2/NDF:1193270.2/23

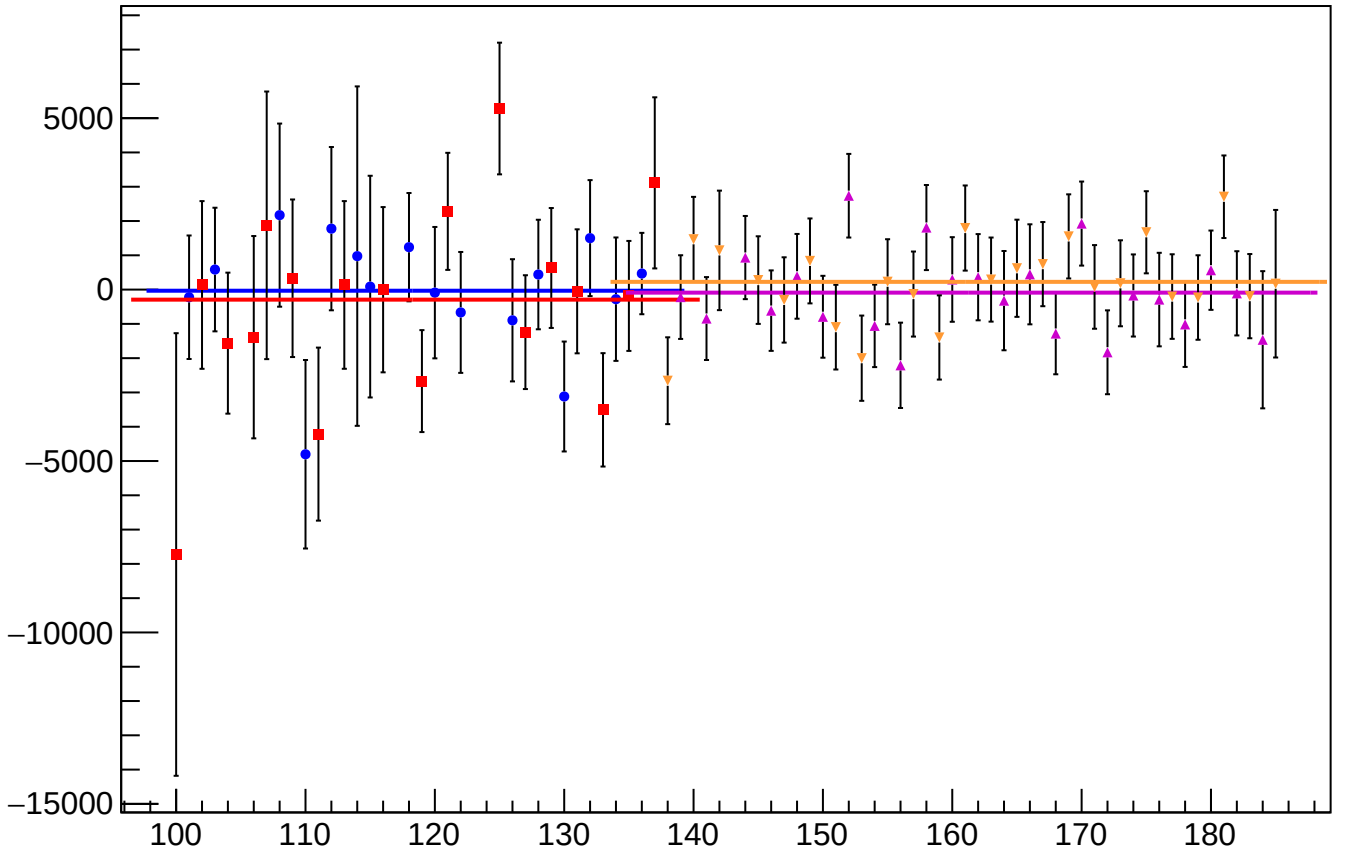
Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 559.484+/-0.080 χ^2/NDF: 2675226.1/39

All: 559.307+/-0.057 χ^2/NDF: 5976662.7/80

- sign 559.127+/-0.081 χ^2/NDF: 3301426.8/40



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

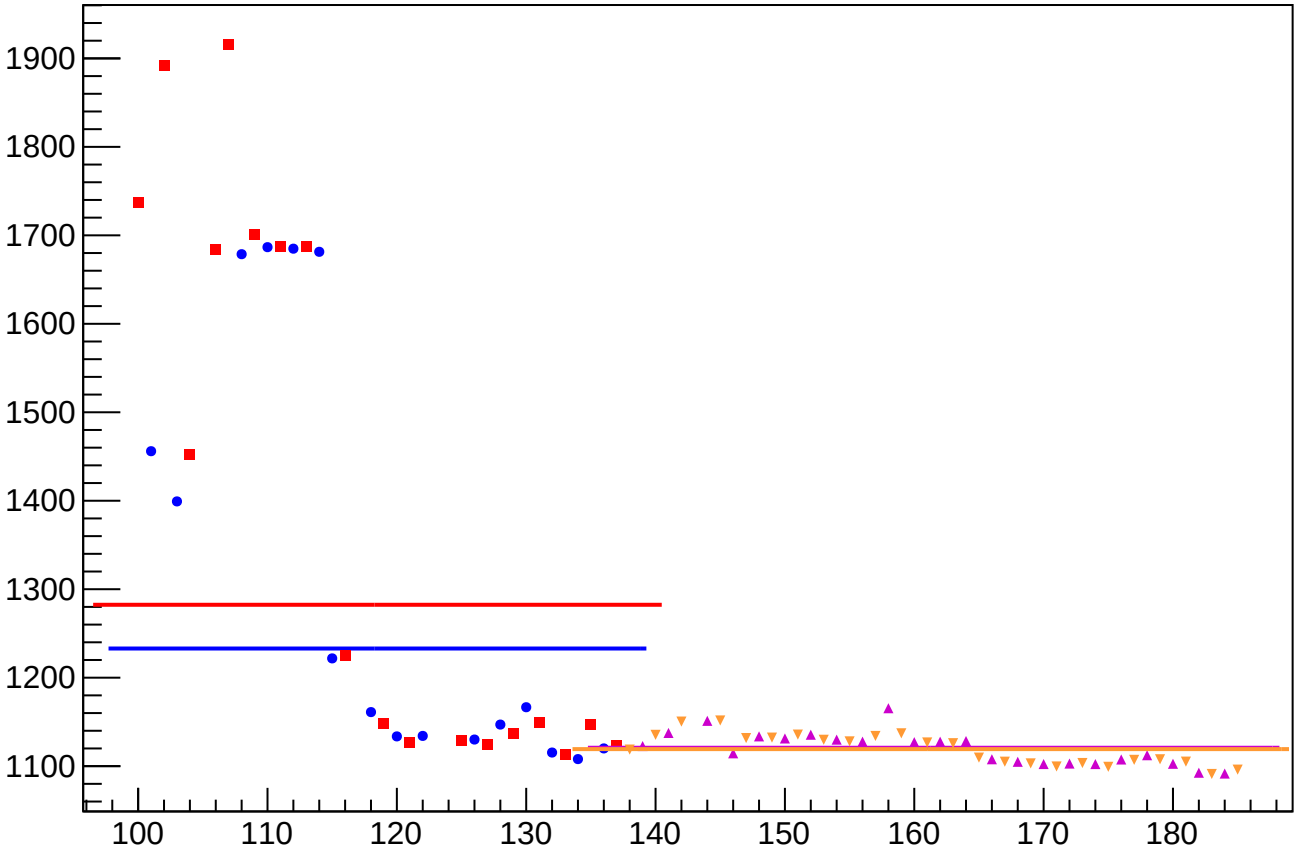
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 163.740+/-226.613 χ^2/NDF: 32.7/39

All: 16.554+/-161.492 χ^2/NDF: 78.5/80

- 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: 1119.258+/-0.184 χ^2/NDF:8143.3/23

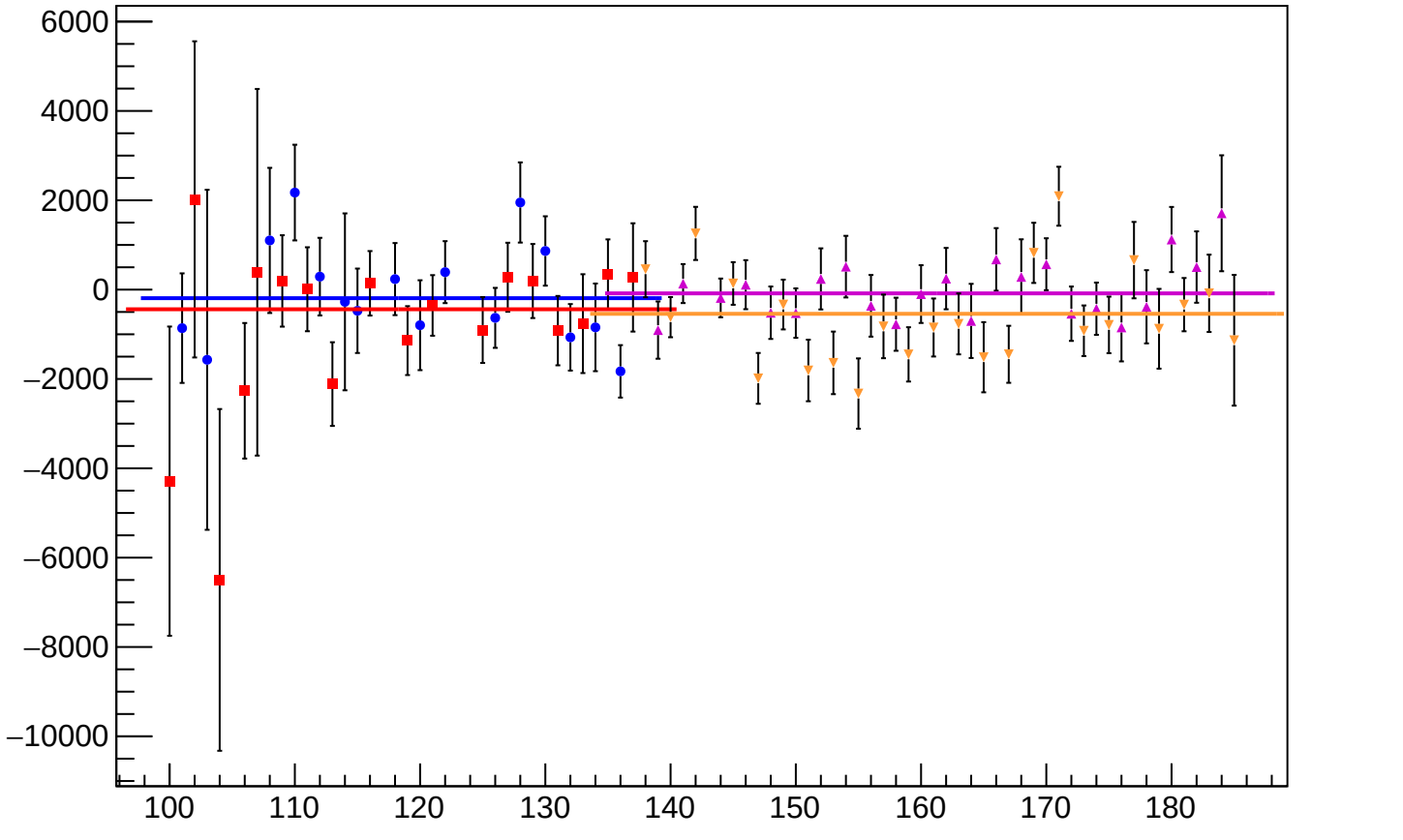
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1146.472+/-0.160 χ^2/NDF: 415284.3/39

All: 1151.841+/-0.114 χ^2/NDF: 1143013.8/80

- 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: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

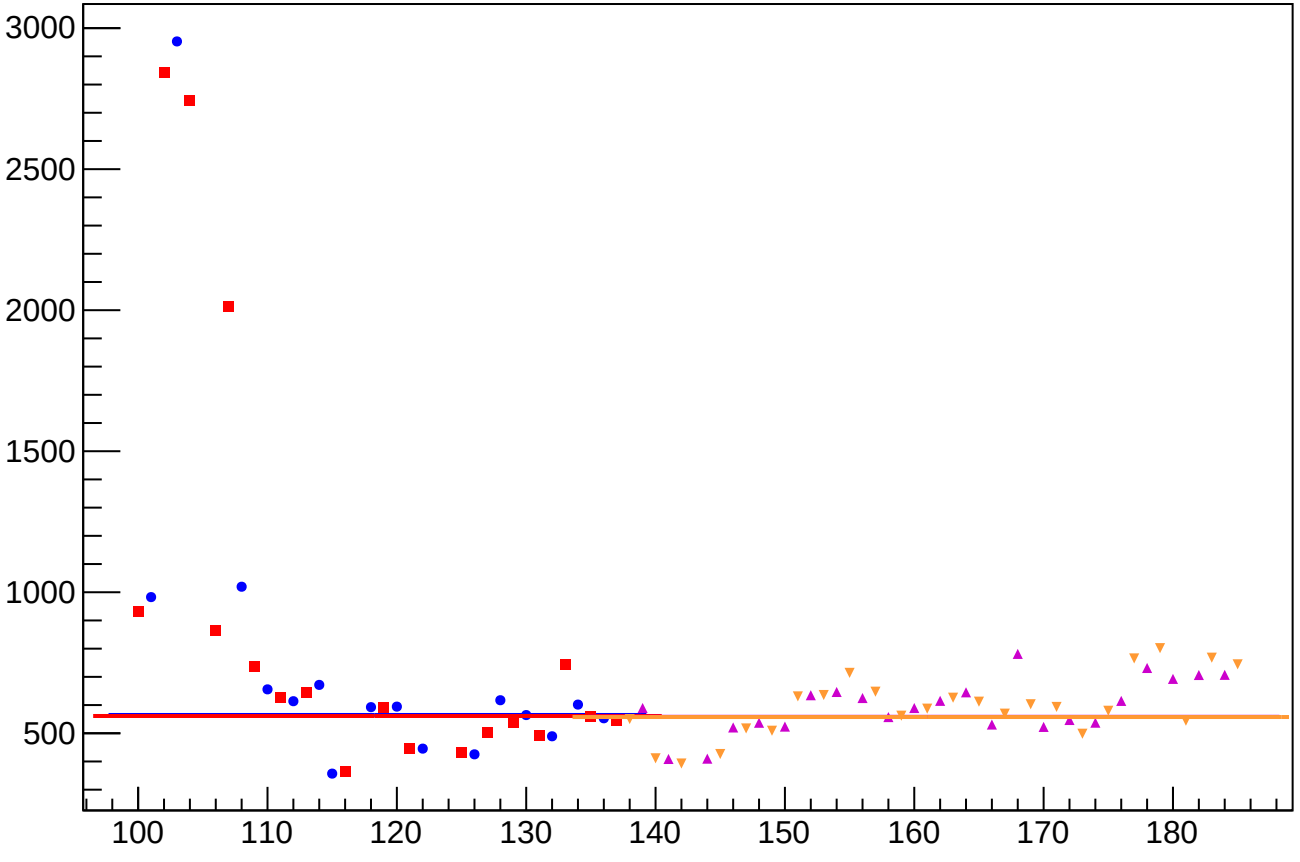
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -450.607+/-113.568 χ^2/NDF: 88.0/39

All: -313.698+/-80.601 χ^2/NDF: 123.8/80

- sign -174.747+/-114.412 χ^2/NDF: 32.9/40

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

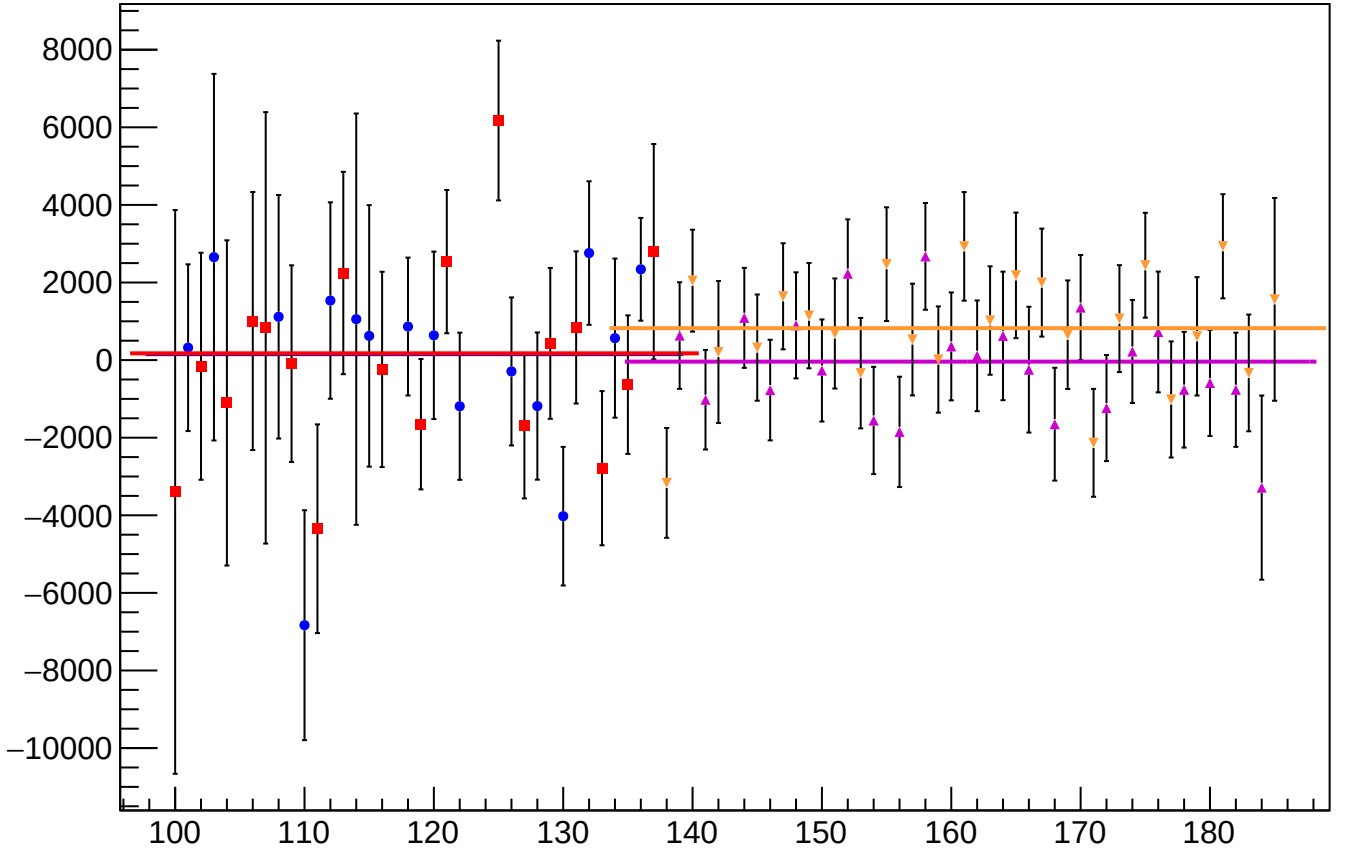
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 559.483+/-0.080 χ^2/NDF: 2675244.8/39

All: 559.306+/-0.057 χ^2/NDF: 5976696.7/80

- sign 559.127+/-0.081 χ^2/NDF: 3301442.1/40

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

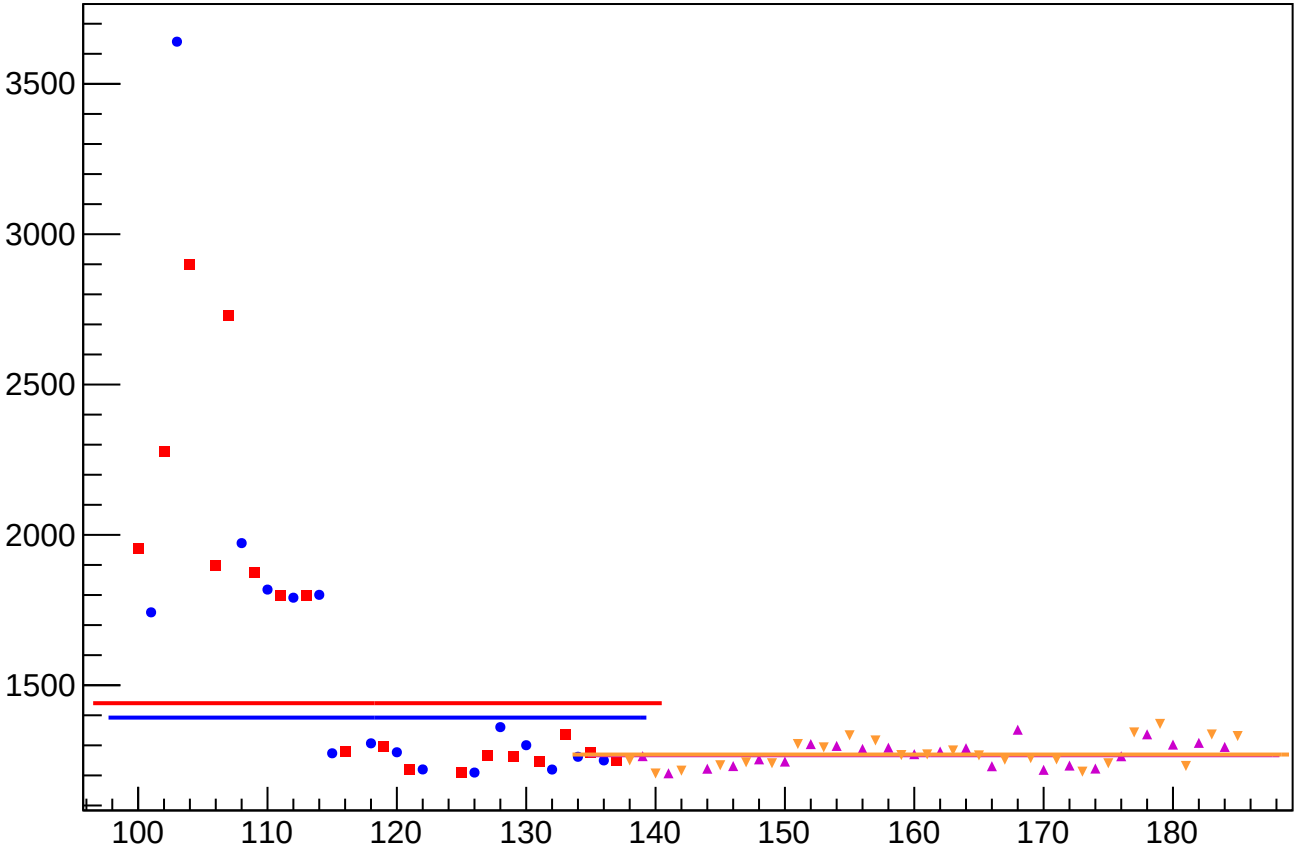
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 665.946+/-257.891 χ^2/NDF: 45.2/39

All: 340.672+/-183.331 χ^2/NDF: 86.0/80

- 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: 1269.441+/-0.208 χ^2/NDF:43040.3/23

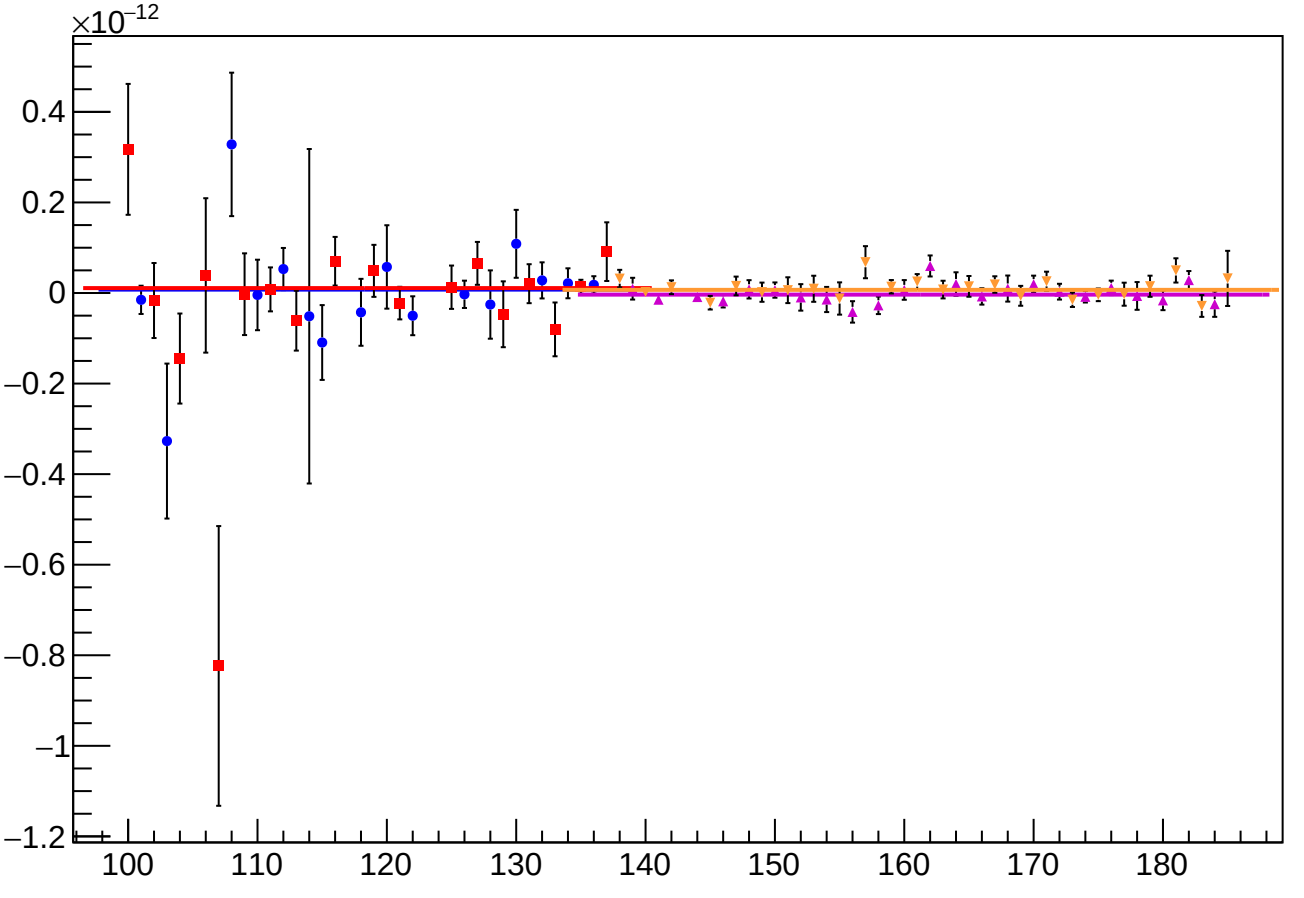
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1298.301+/-0.182 χ^2/NDF: 903859.1/39

All: 1302.079+/-0.130 χ^2/NDF: 1947806.1/80

- 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:19.8/23

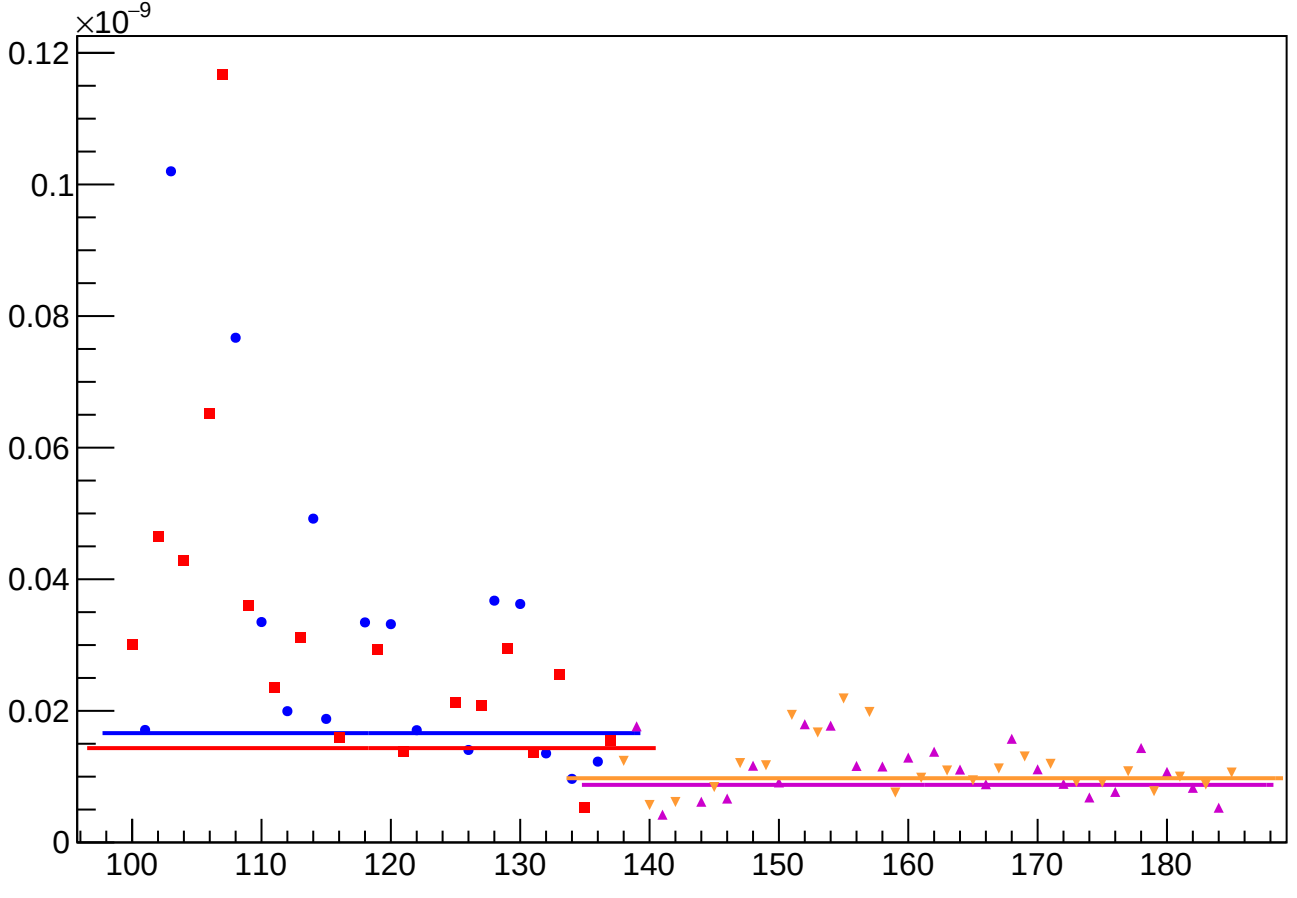
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/39

All: 0.000+/-0.000 χ^2/NDF: 88.5/80

- sign -0.000+/-0.000 χ^2/NDF: 48.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

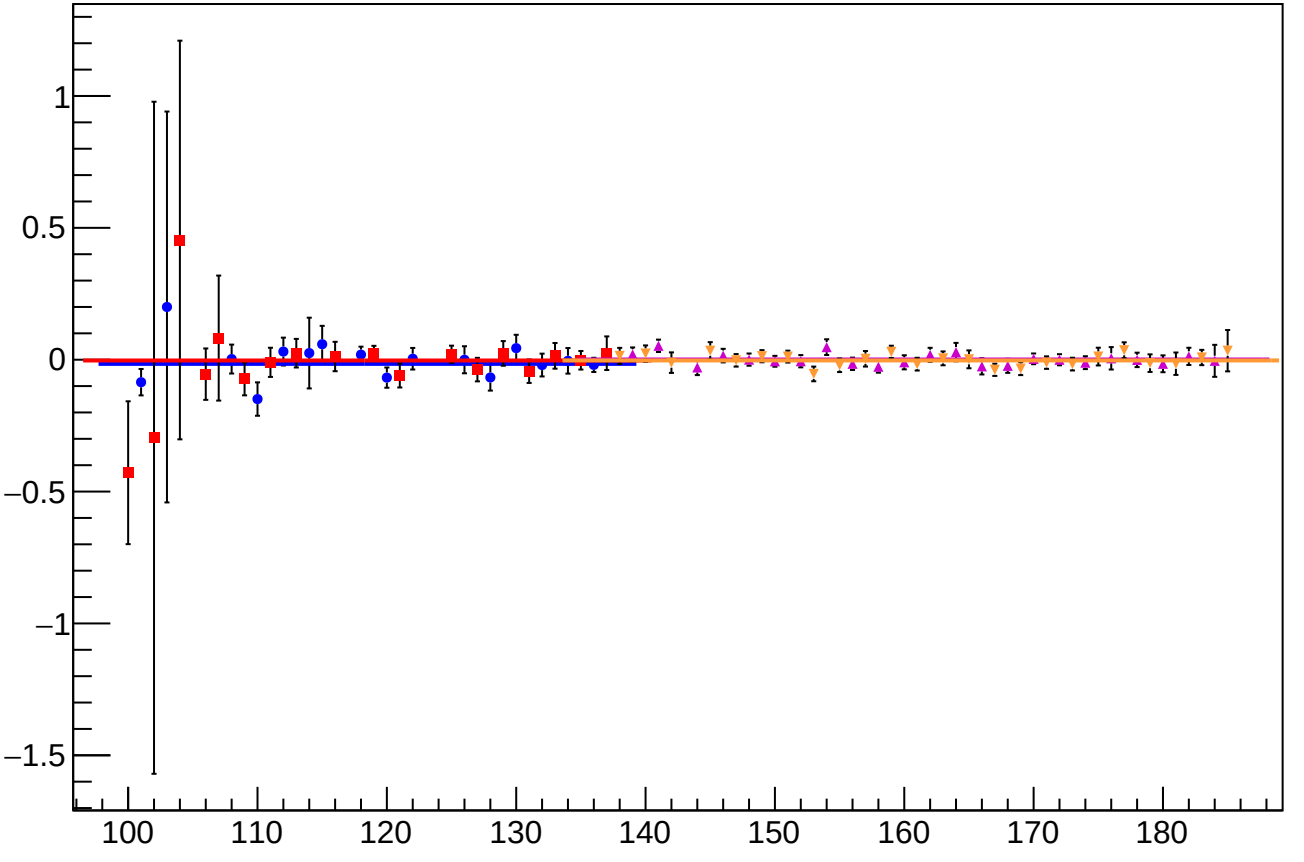
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3648903.1/39

All: 0.000+/-0.000 χ^2/NDF: 8441974.4/80

- sign 0.000+/-0.000 χ^2/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:16.3/23

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

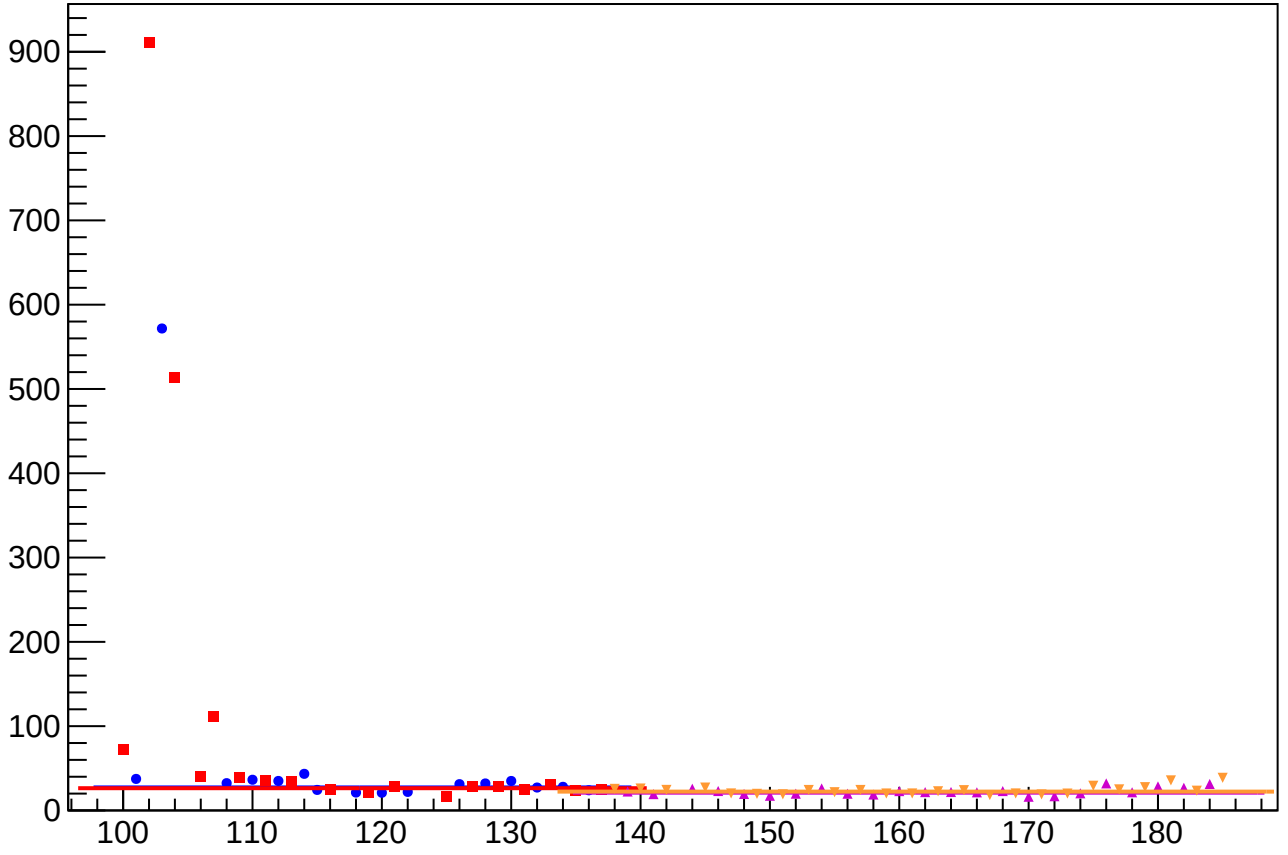
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 32.0/39

All: -0.002+/-0.004 χ^2/NDF: 57.4/80

- 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: 22.355+/-0.004 χ^2/NDF:816073.4/23

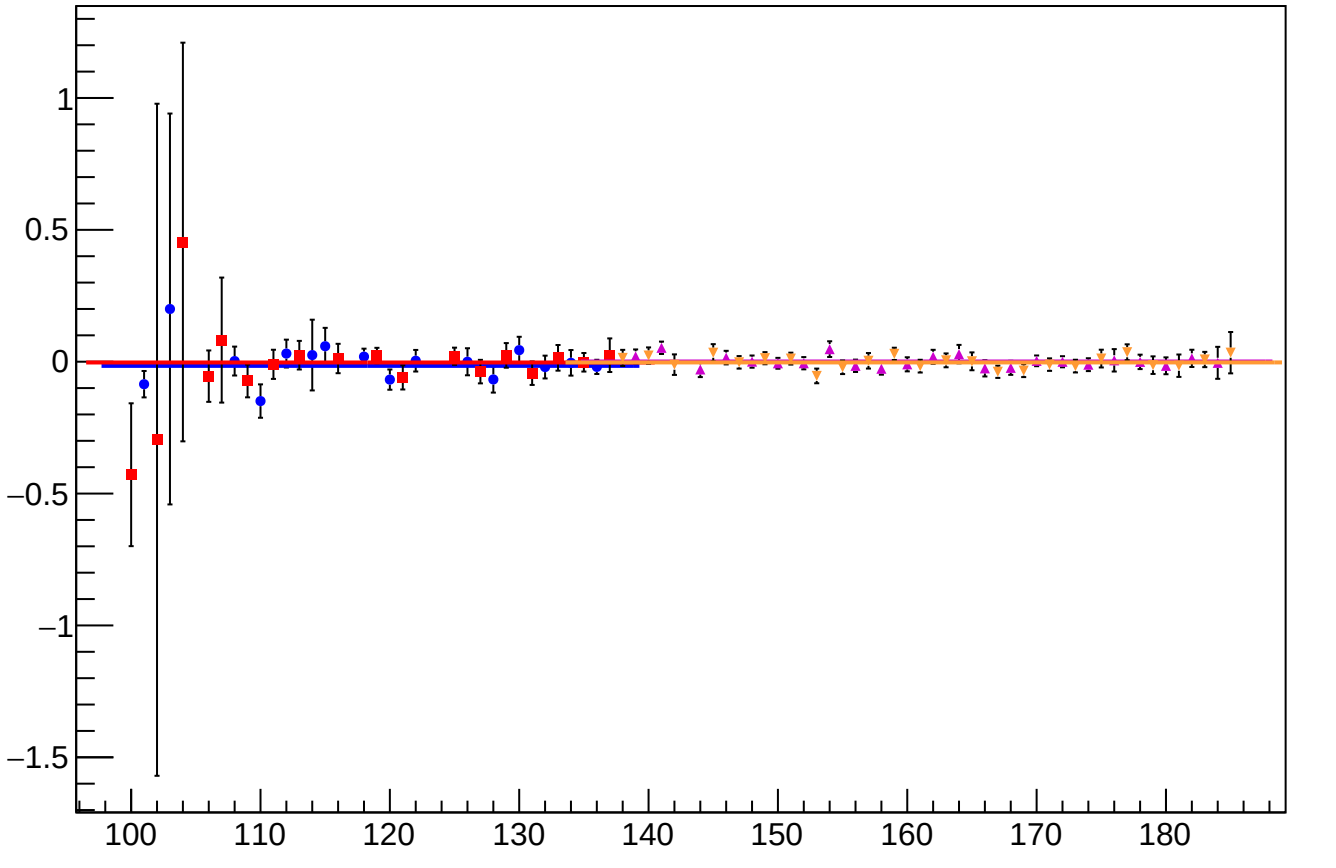
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.319+/-0.004 χ^2/NDF: 2679707.2/39

All: 22.647+/-0.003 χ^2/NDF: 6503650.4/80

- 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:16.3/23

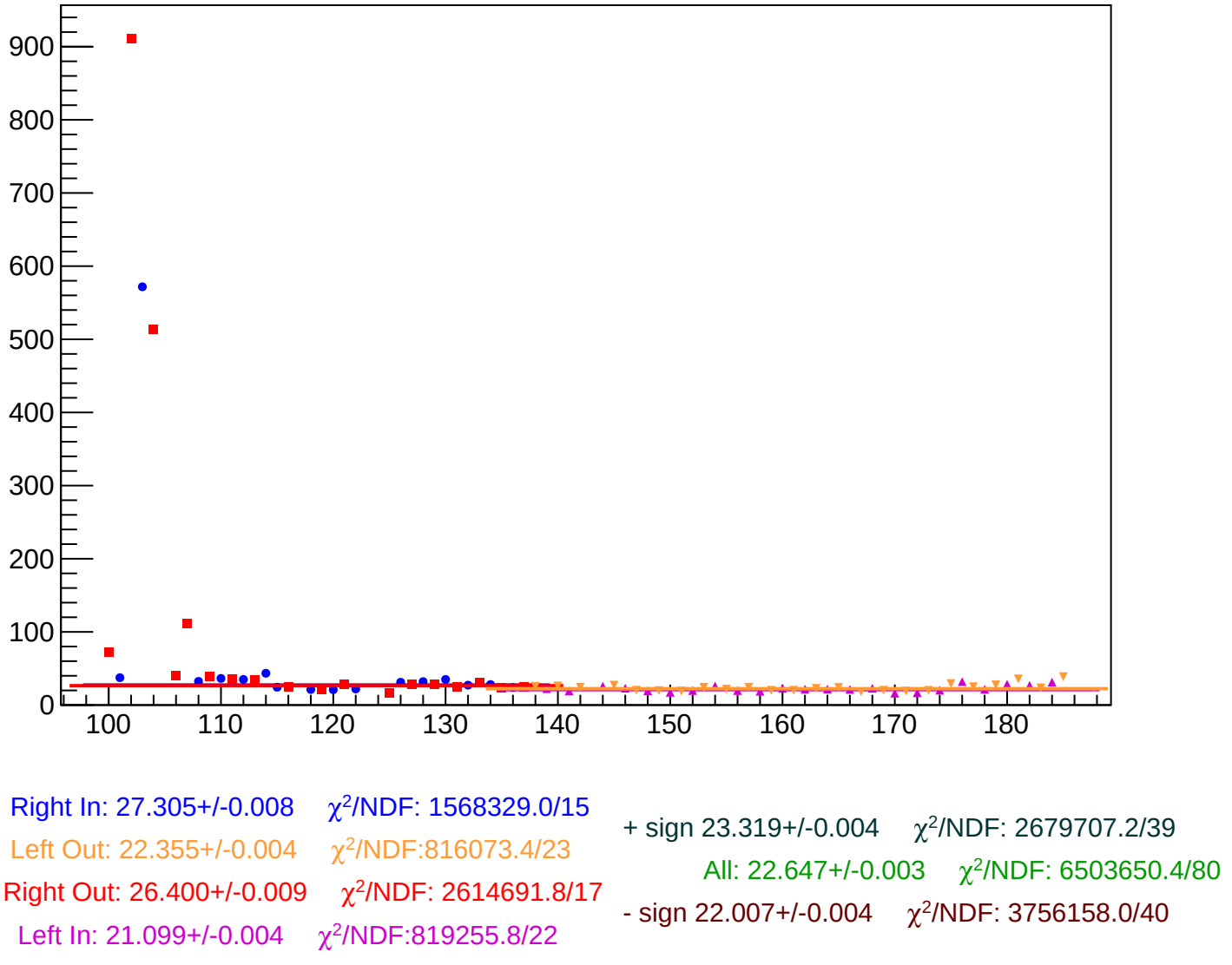
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

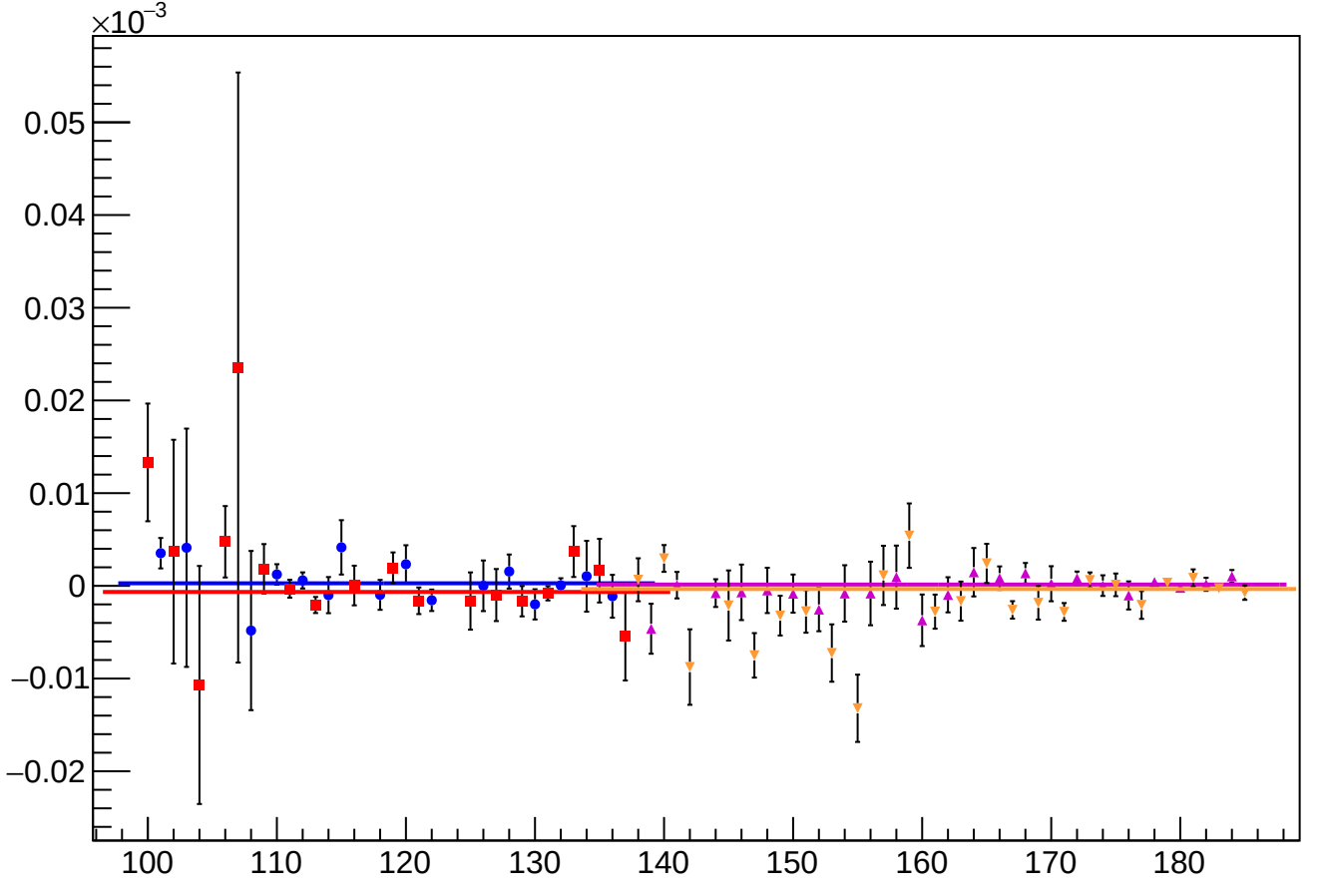
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 32.0/39

All: -0.002+/-0.004 χ^2/NDF: 57.4/80

- 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
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 27.305+/-0.008 χ²/NDF: 1568329.0/15
Left Out: 22.355+/-0.004 χ²/NDF:816073.4/23
Right Out: 26.400+/-0.009 χ²/NDF: 2614691.8/17
Left In: 21.099+/-0.004 χ²/NDF:819255.8/22
+ sign 23.319+/-0.004 χ²/NDF: 2679707.2/39
All: 22.647+/-0.003 χ²/NDF: 6503650.4/80
- 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:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

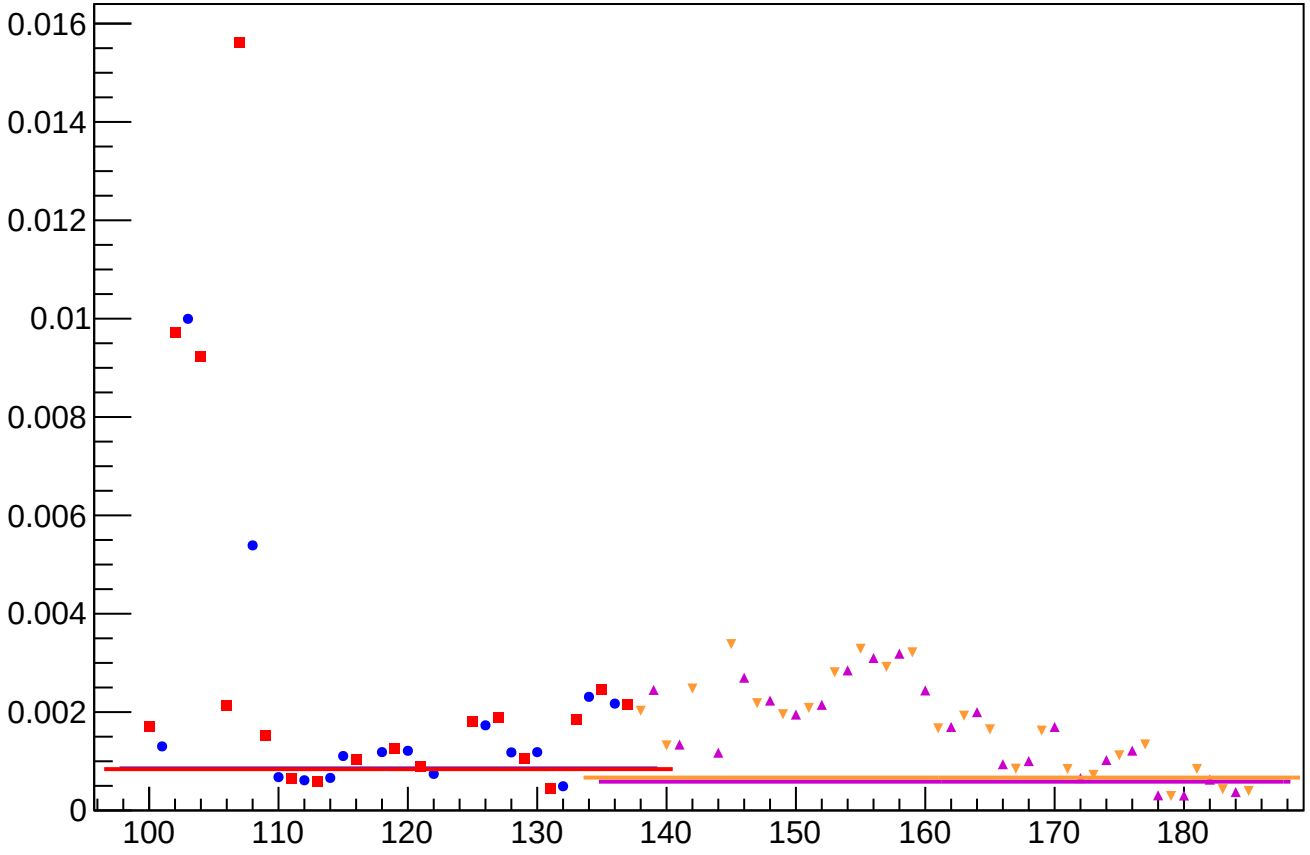
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.6/39

All: -0.000+/-0.000 χ^2/NDF: 122.0/80

- 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:15375915.0/23

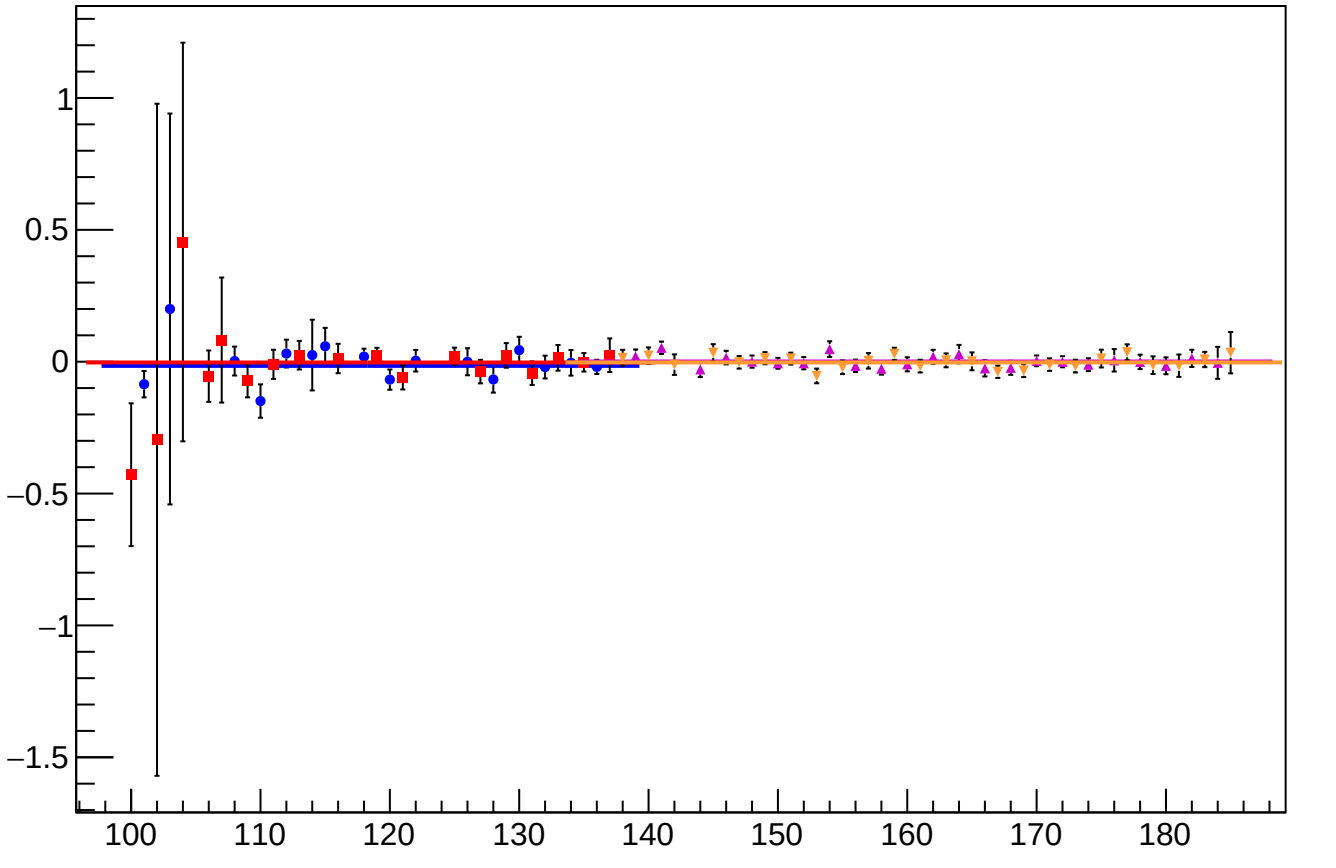
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 19611925.7/39

All: 0.001+/-0.000 χ^2/NDF: 41181695.4/80

- 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:16.3/23

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

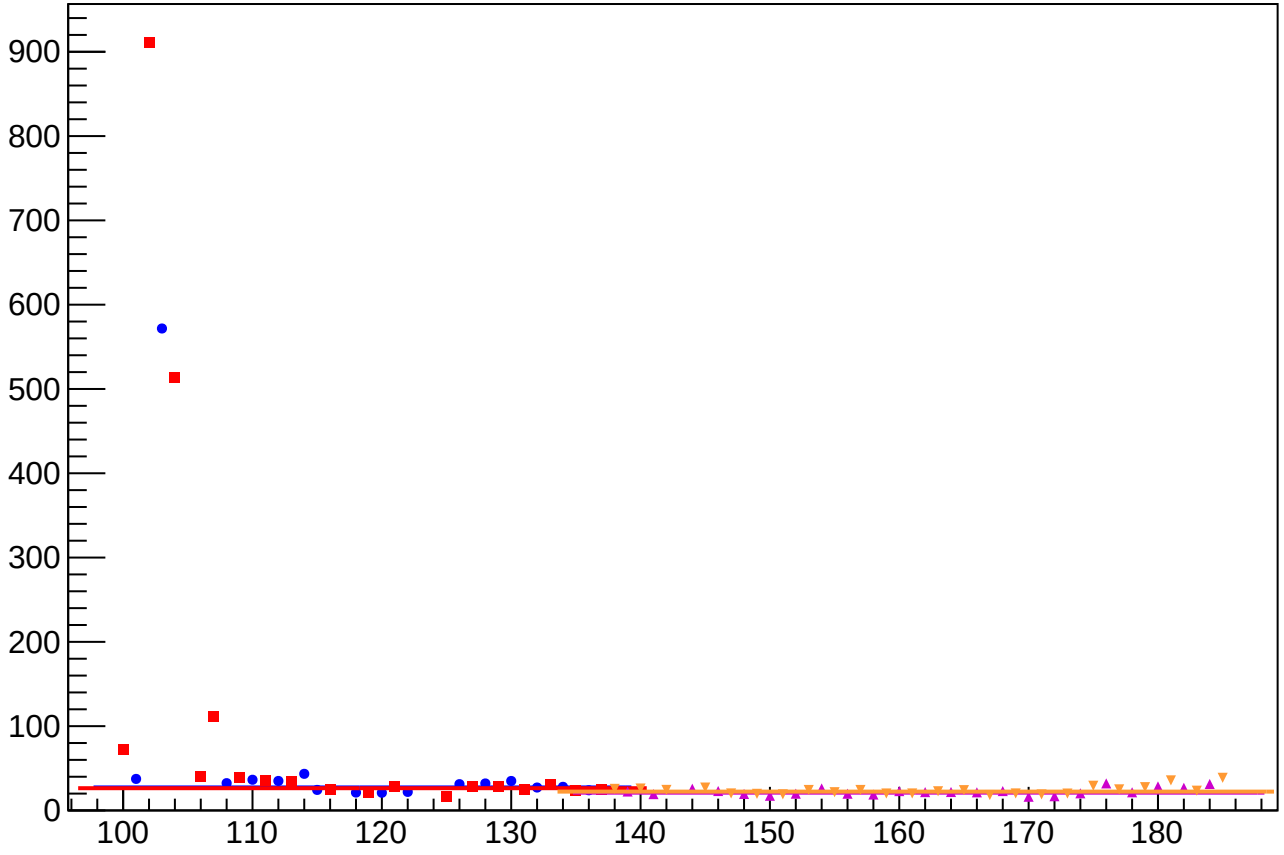
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 32.0/39

All: -0.002+/-0.004 χ^2/NDF: 57.4/80

- sign 0.000+/-0.005 χ^2/NDF: 24.9/40

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

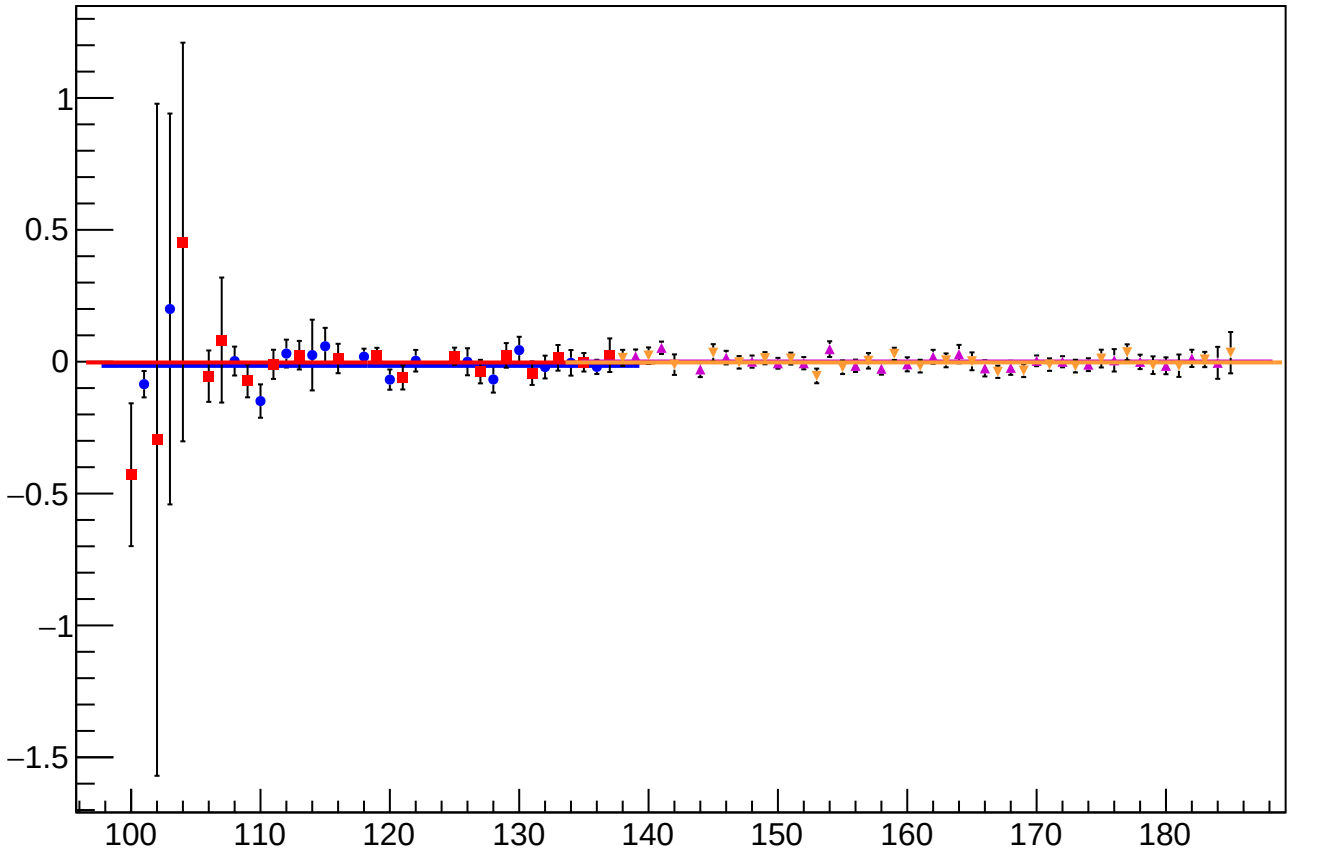
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 23.319+/-0.004 χ^2/NDF: 2679680.9/39

All: 22.647+/-0.003 χ^2/NDF: 6503657.0/80

\- 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:16.3/23

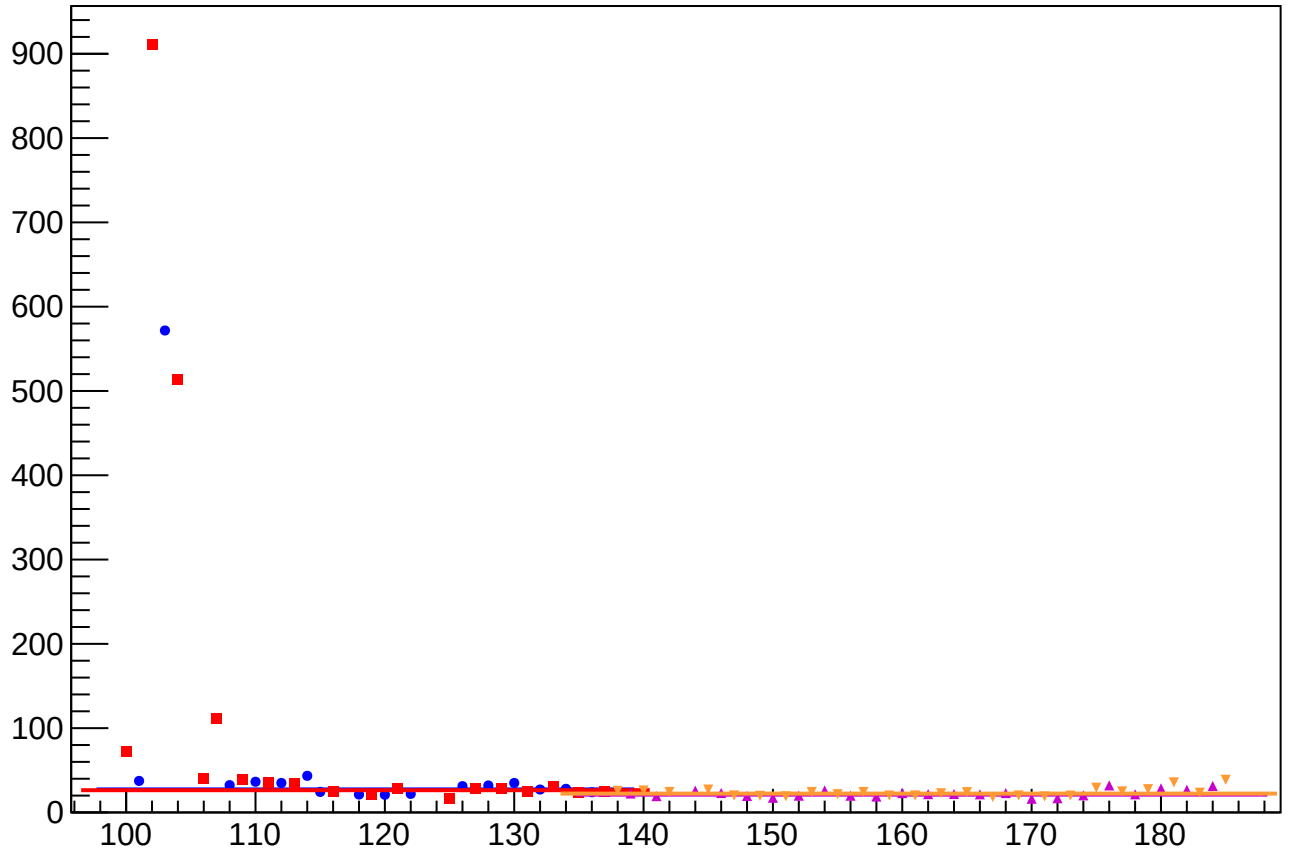
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 32.0/39

All: -0.002+/-0.004 χ^2/NDF: 57.4/80

- 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: 22.355+/-0.004 χ^2/NDF:816044.6/23

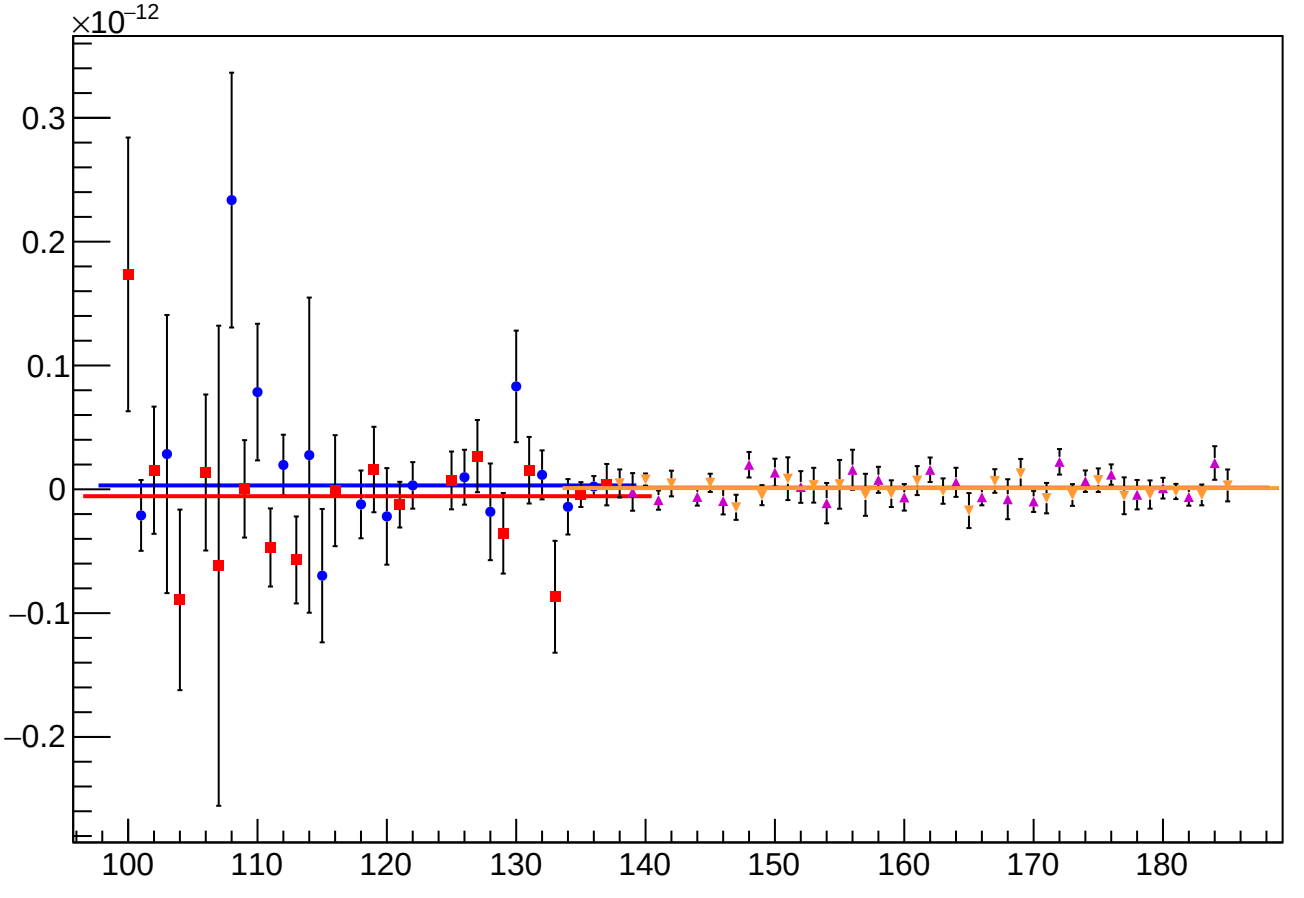
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 23.319+/-0.004 χ^2/NDF: 2679680.9/39

All: 22.647+/-0.003 χ^2/NDF: 6503657.0/80

\- 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:11.6/23

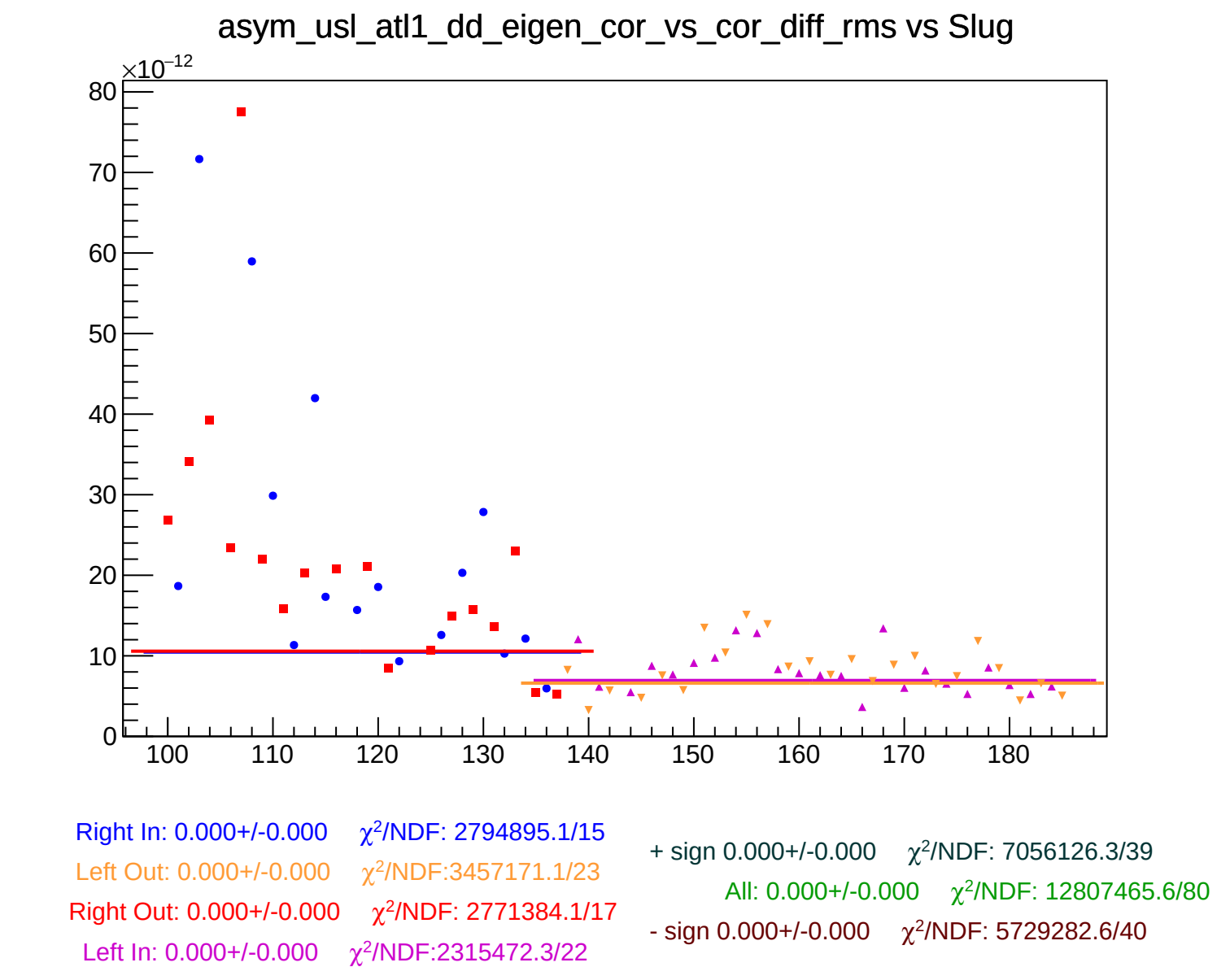
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

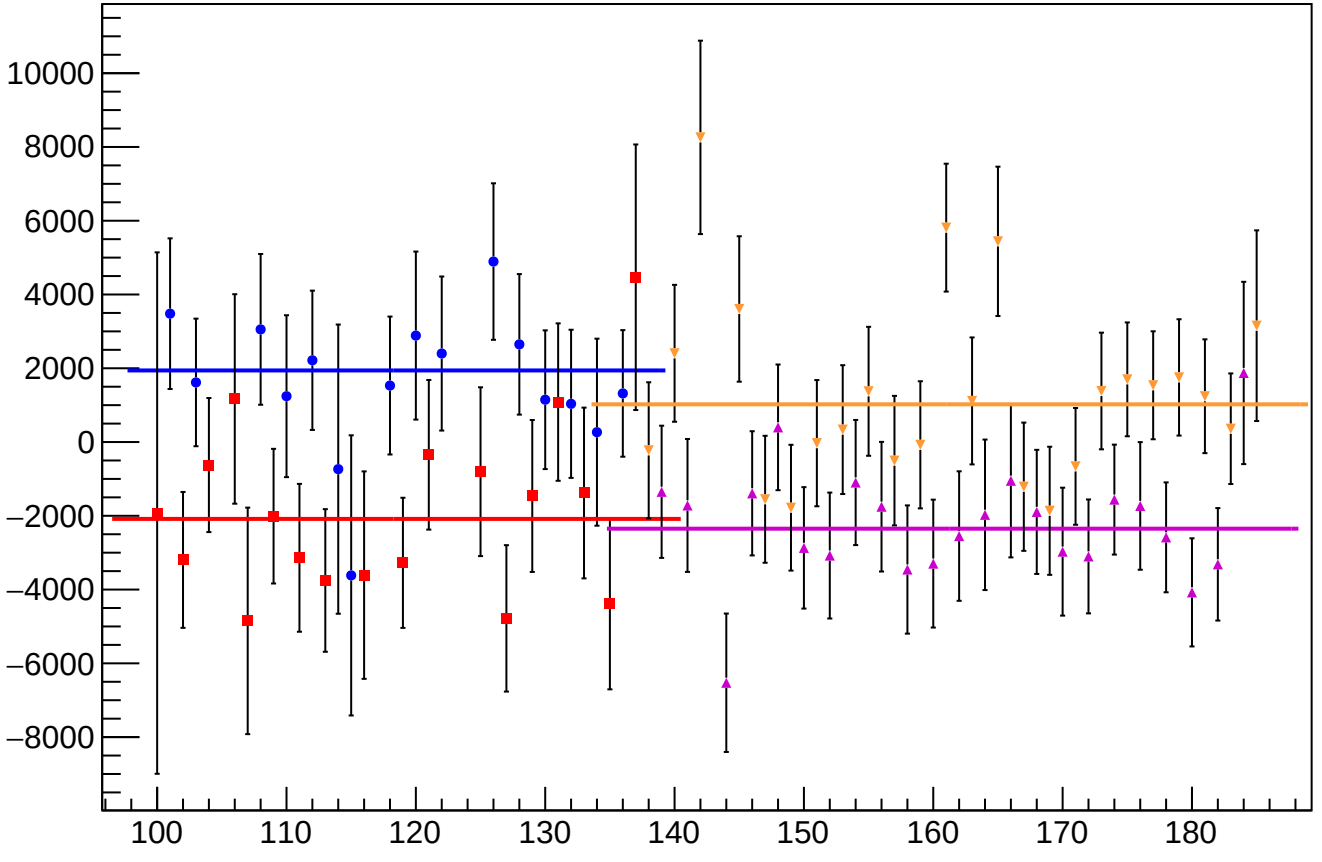
+ sign 0.000+/-0.000 χ^2/NDF: 26.7/39

All: 0.000+/-0.000 χ^2/NDF: 69.0/80

- 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
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: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3457171.1/23
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: 7056126.3/39
All: 0.000+/-0.000 χ²/NDF: 12807465.6/80
- 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: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

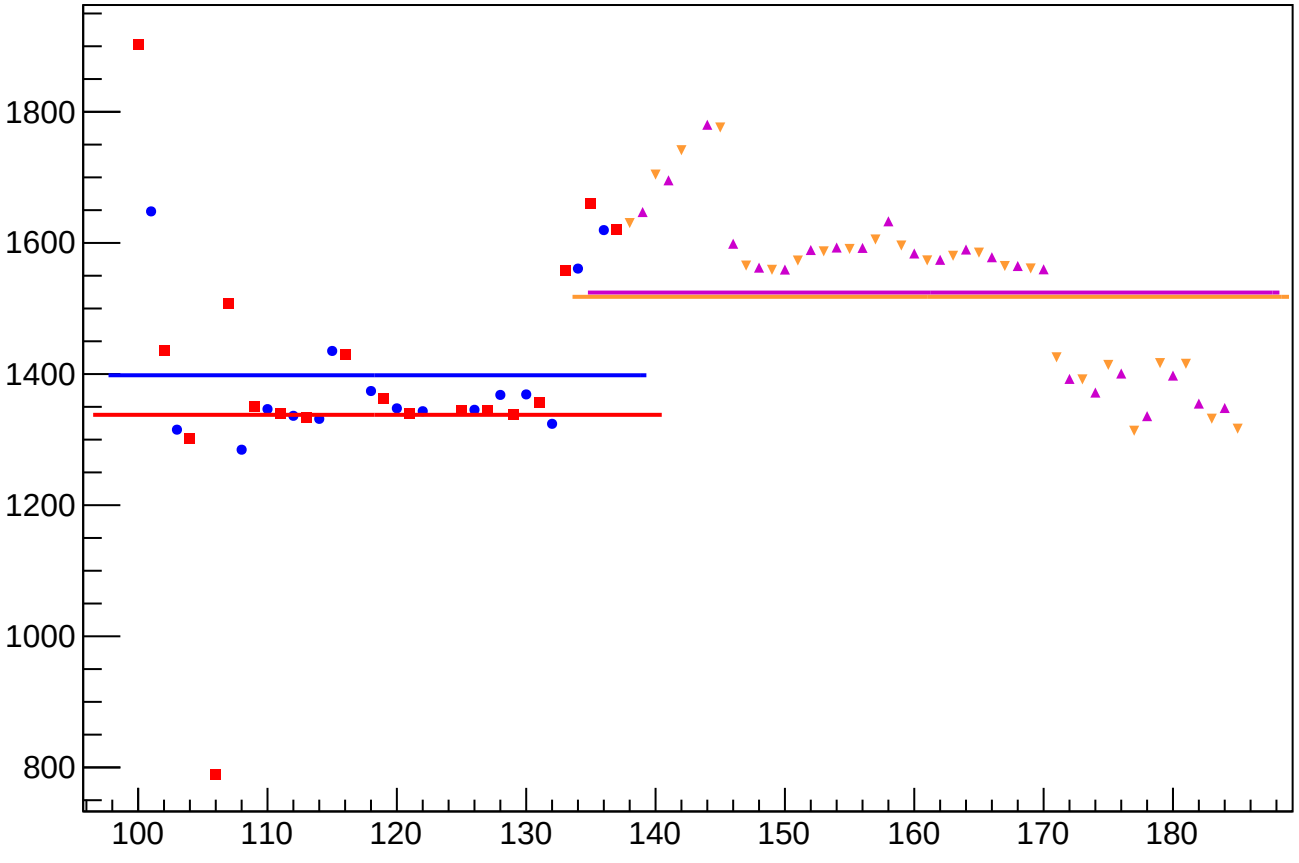
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1311.173+/-292.706 χ^2/NDF: 45.5/39

All: -466.895+/-207.528 χ^2/NDF: 150.3/80

- 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: 1517.815+/-0.250 χ^2/NDF:233957.9/23

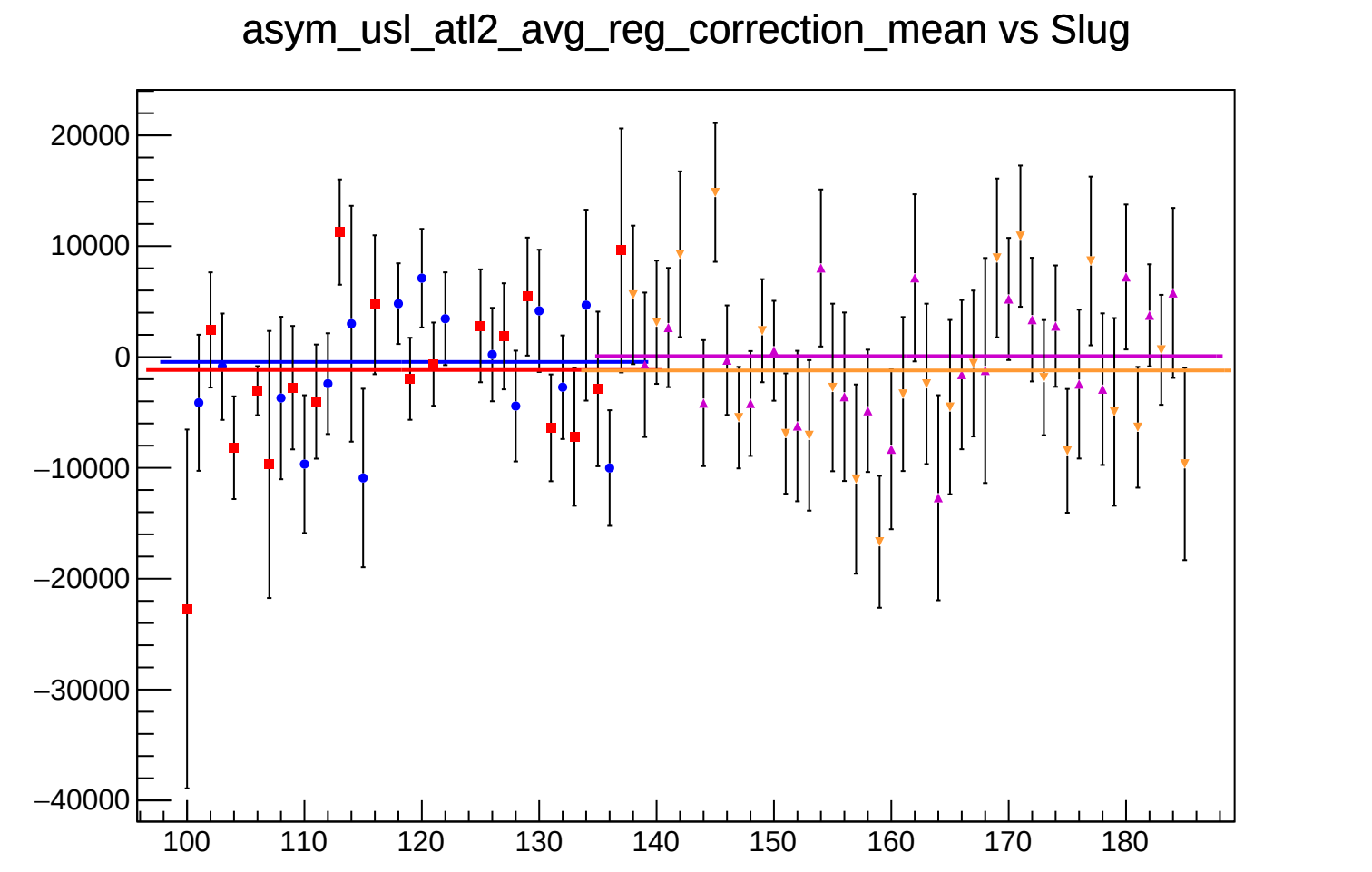
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.218+/-0.207 χ^2/NDF: 399899.7/39

All: 1471.002+/-0.146 χ^2/NDF: 1128581.7/80

- 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: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

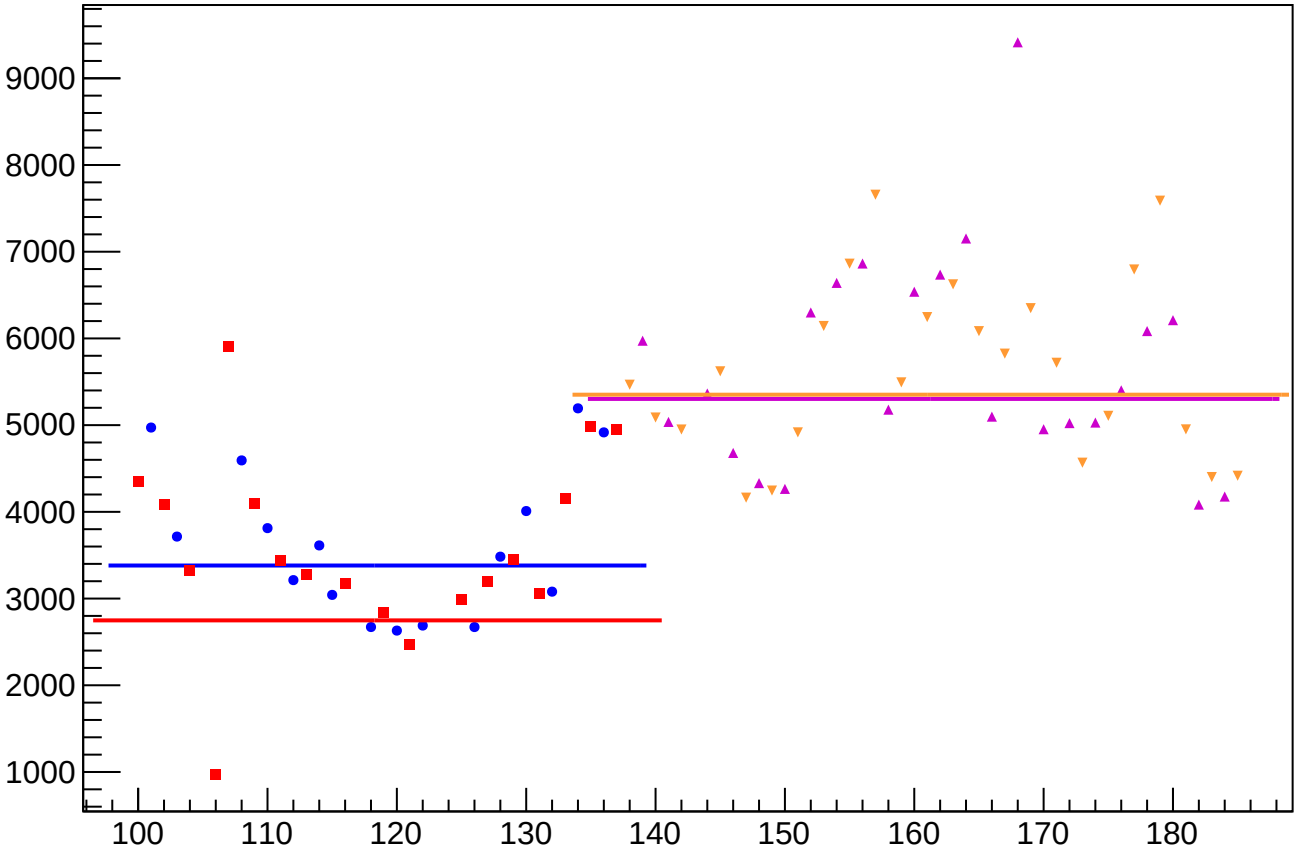
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -834.810+/-906.435 χ^2/NDF: 49.3/39

All: -719.556+/-615.454 χ^2/NDF: 82.8/80

- 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: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

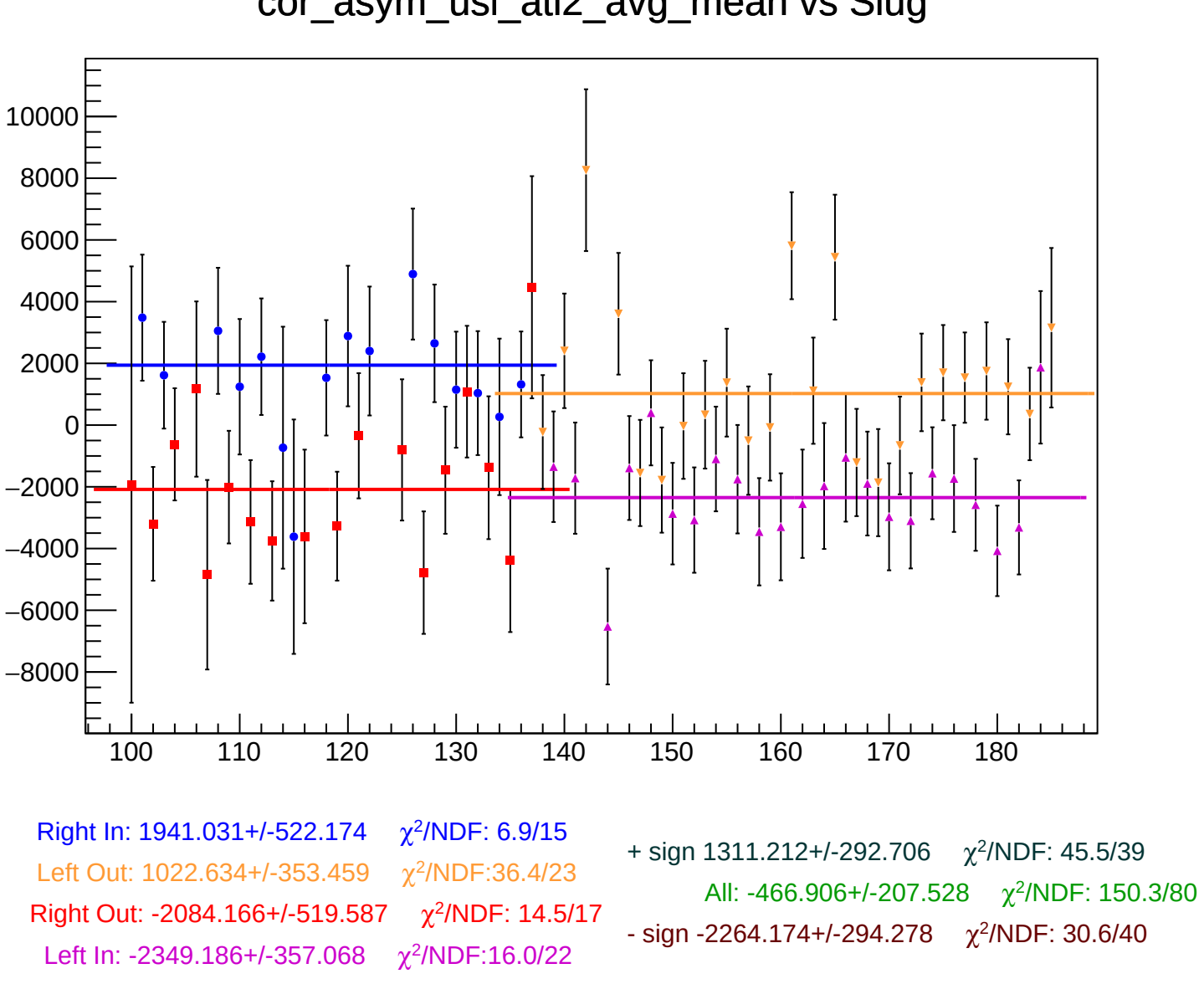
Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

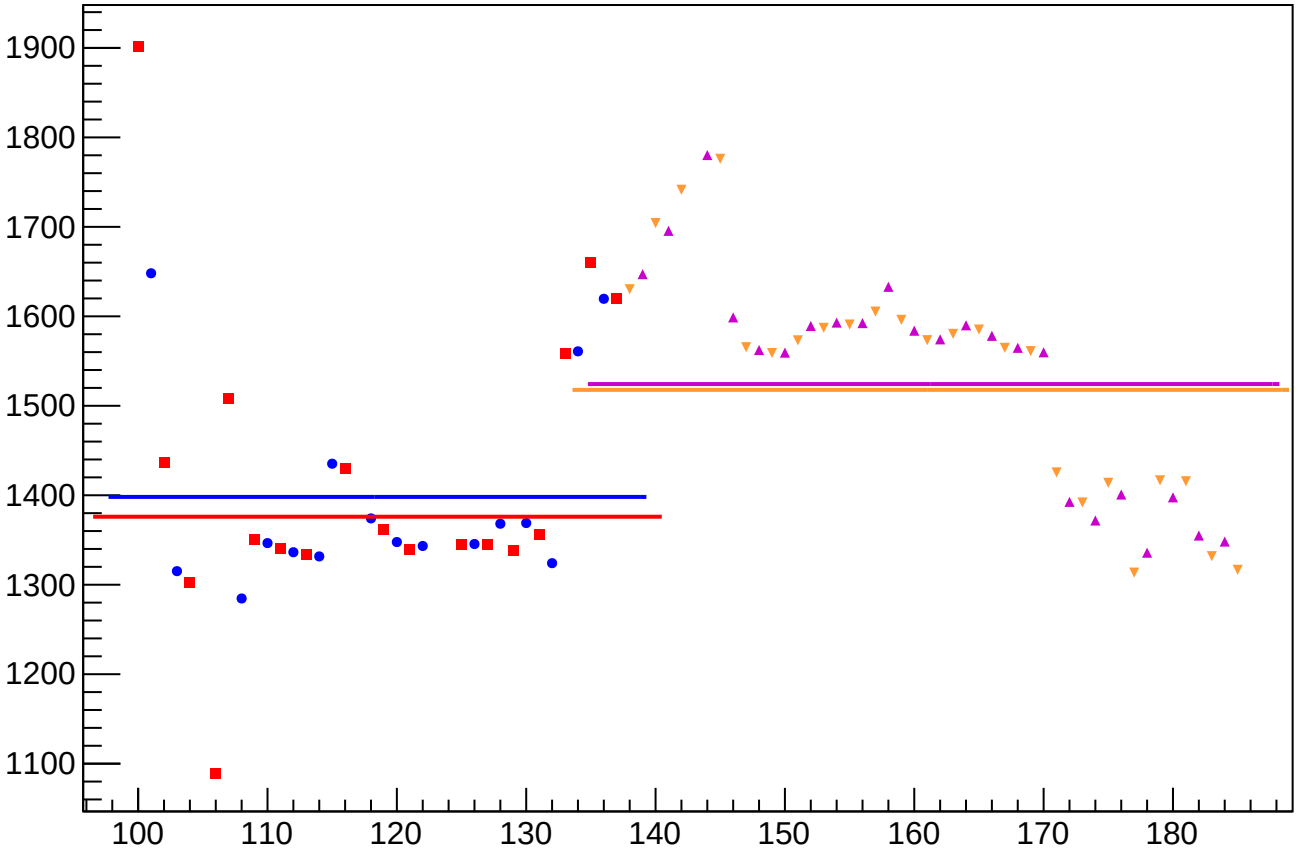
+ sign 4387.324+/-0.641 χ^2/NDF: 4183842.8/39

All: 4109.106+/-0.435 χ^2/NDF: 12626823.0/8

- sign 3871.133+/-0.593 χ^2/NDF: 8093395.4/40


cor_asym_usl_atl2_avg_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 1941.031+/-522.174 χ²/NDF: 6.9/15
Left Out: 1022.634+/-353.459 χ²/NDF:36.4/23
Right Out: -2084.166+/-519.587 χ²/NDF: 14.5/17
Left In: -2349.186+/-357.068 χ²/NDF:16.0/22
+ sign 1311.212+/-292.706 χ²/NDF: 45.5/39
All: -466.906+/-207.528 χ²/NDF: 150.3/80
- sign -2264.174+/-294.278 χ²/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: 1517.815+/-0.250 χ^2/NDF:233957.9/23

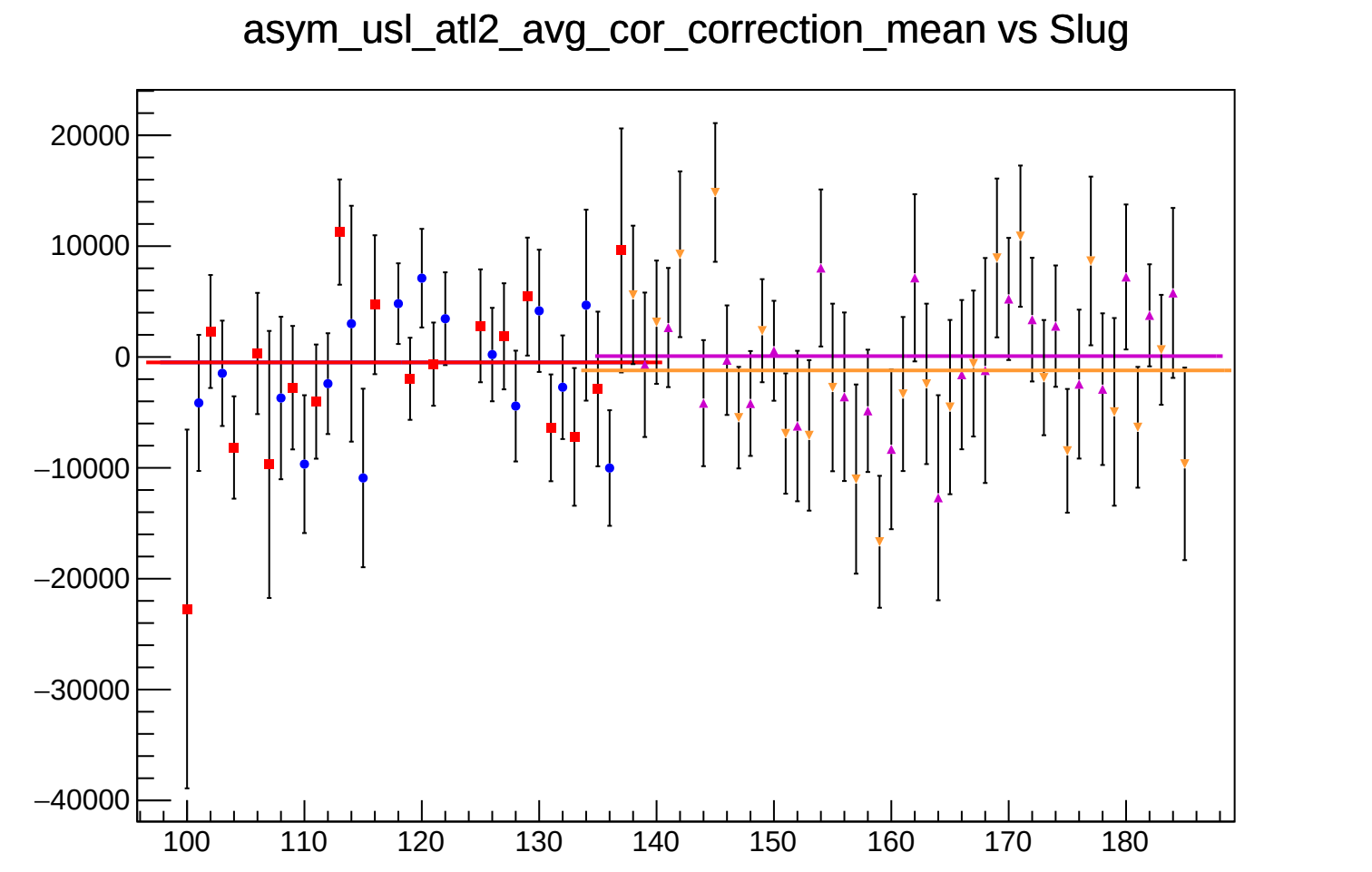
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.218+/-0.207 χ^2/NDF: 399899.8/39

All: 1478.049+/-0.146 χ^2/NDF: 851149.7/80

- 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: -1211.889+/-1268.316 χ^2/NDF:33.2/23

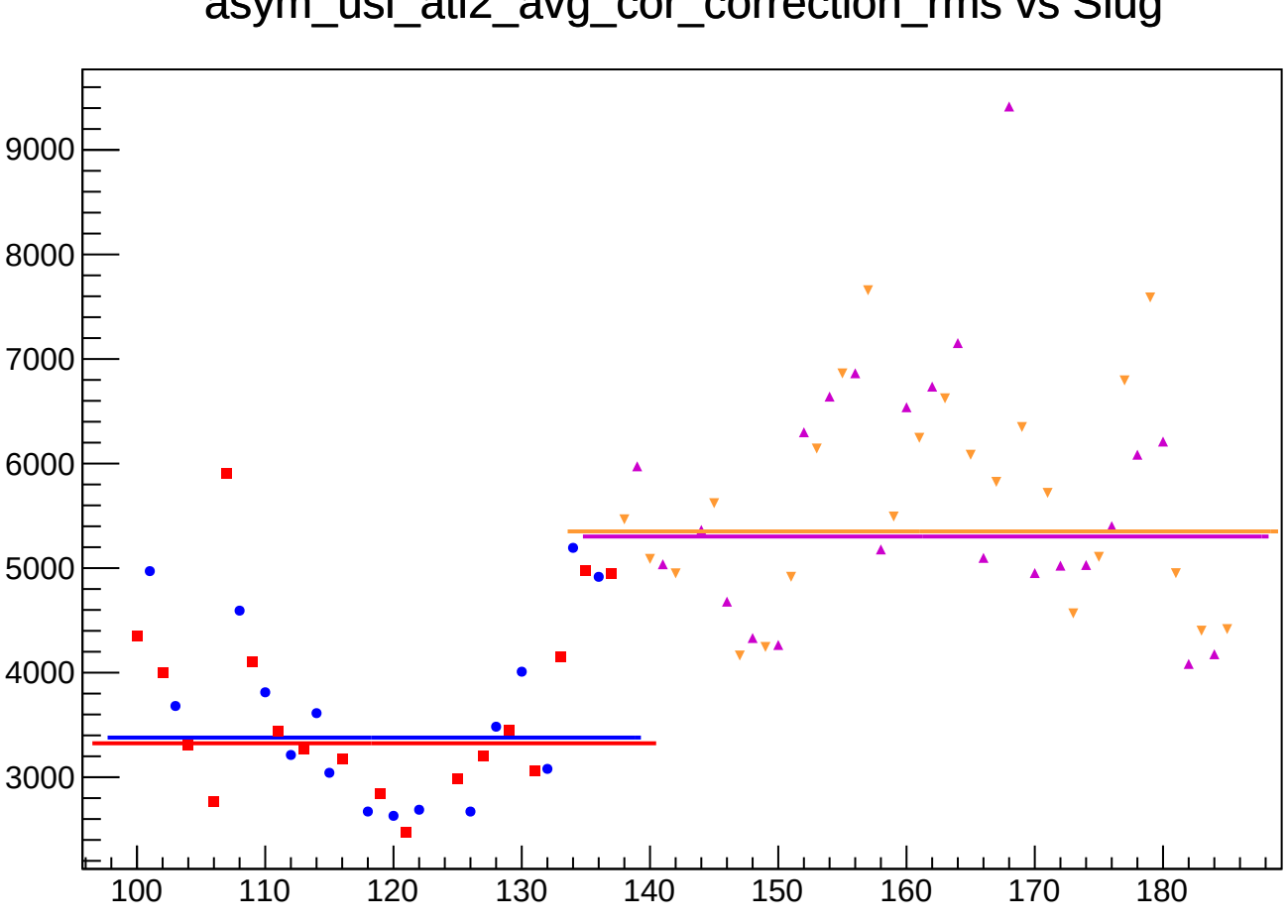
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -856.756+/-906.098 χ^2/NDF: 49.4/39

All: -525.927+/-636.007 χ^2/NDF: 81.6/80

- sign -204.631+/-892.947 χ^2/NDF: 32.0/40



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

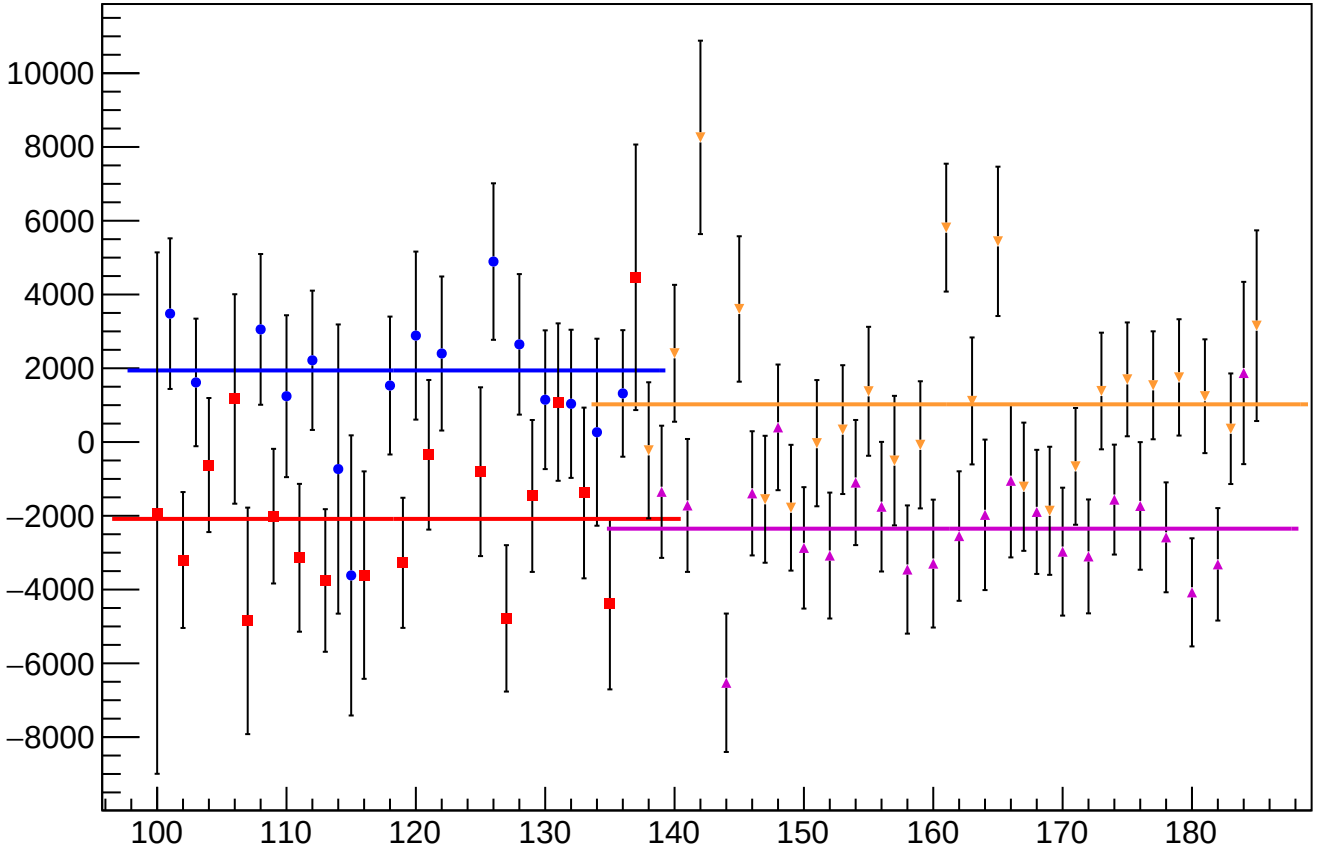
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4385.594+/-0.641 χ^2/NDF: 4188691.7/39

All: 4347.729+/-0.450 χ^2/NDF: 8448440.9/80

- 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: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

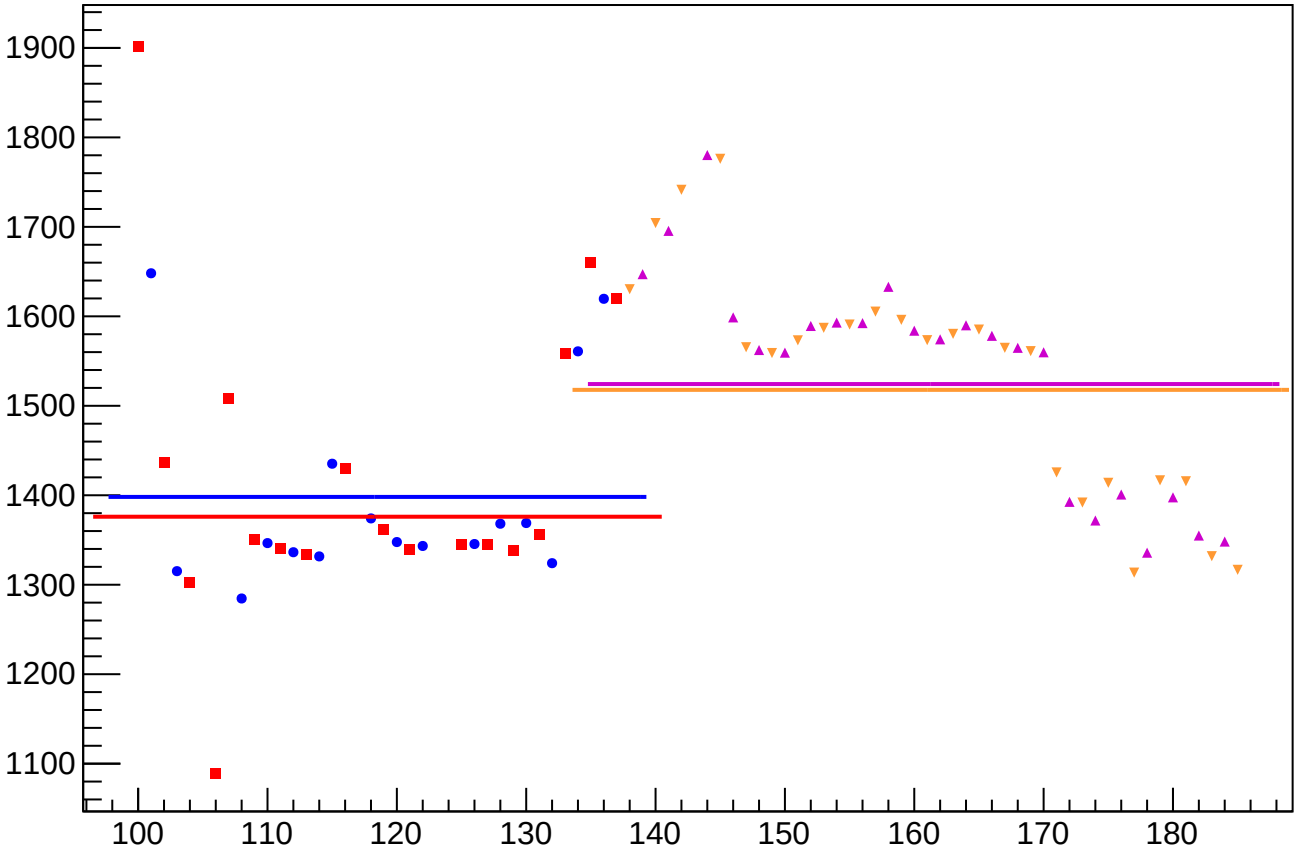
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1311.212+/-292.706 χ^2/NDF: 45.5/39

All: -466.906+/-207.528 χ^2/NDF: 150.3/80

- 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: 1517.815+/-0.250 χ^2/NDF:233957.9/23

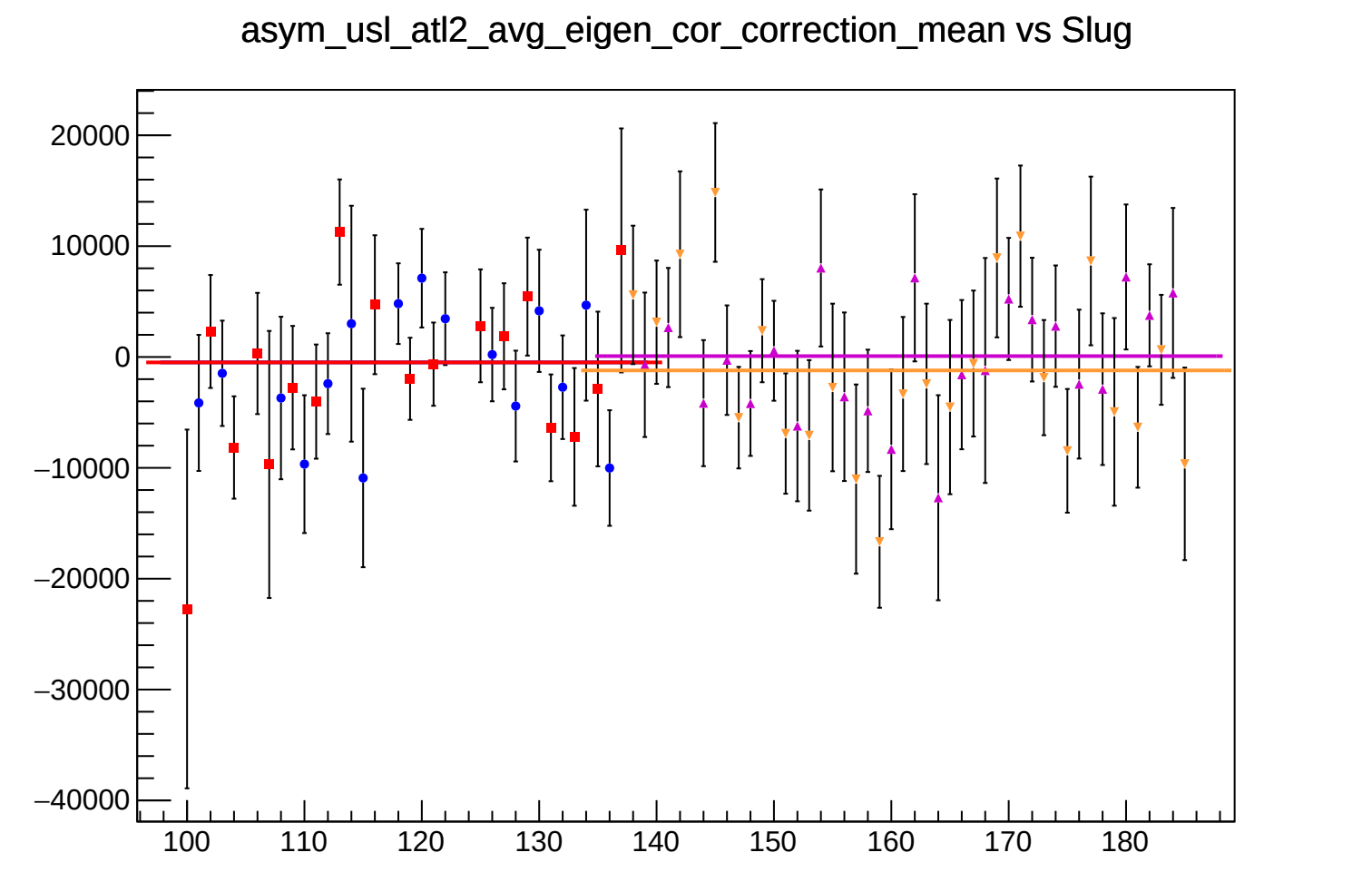
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.218+/-0.207 χ^2/NDF: 399899.8/39

All: 1478.049+/-0.146 χ^2/NDF: 851149.7/80

- 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: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

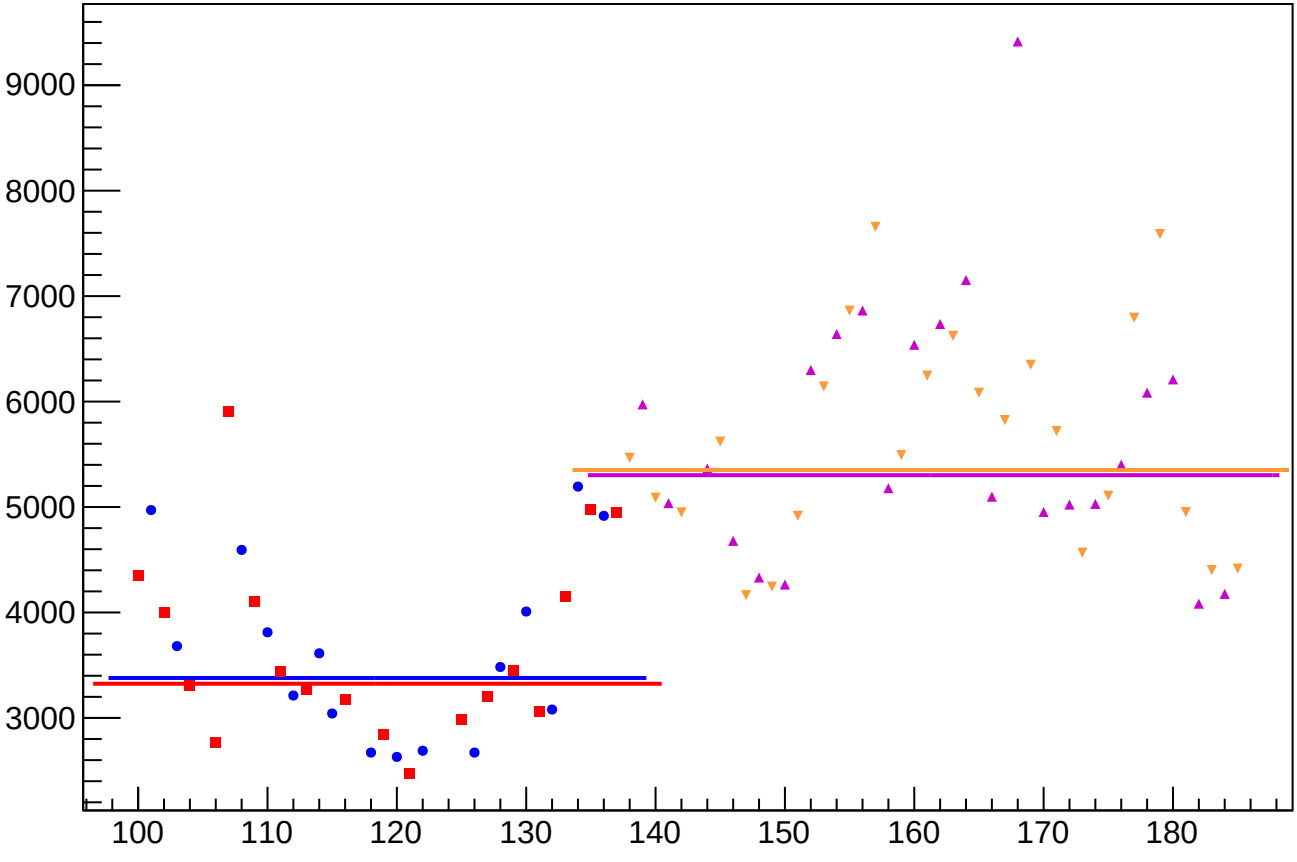
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -856.756+/-906.098 χ^2/NDF: 49.4/39

All: -525.927+/-636.007 χ^2/NDF: 81.6/80

- 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: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

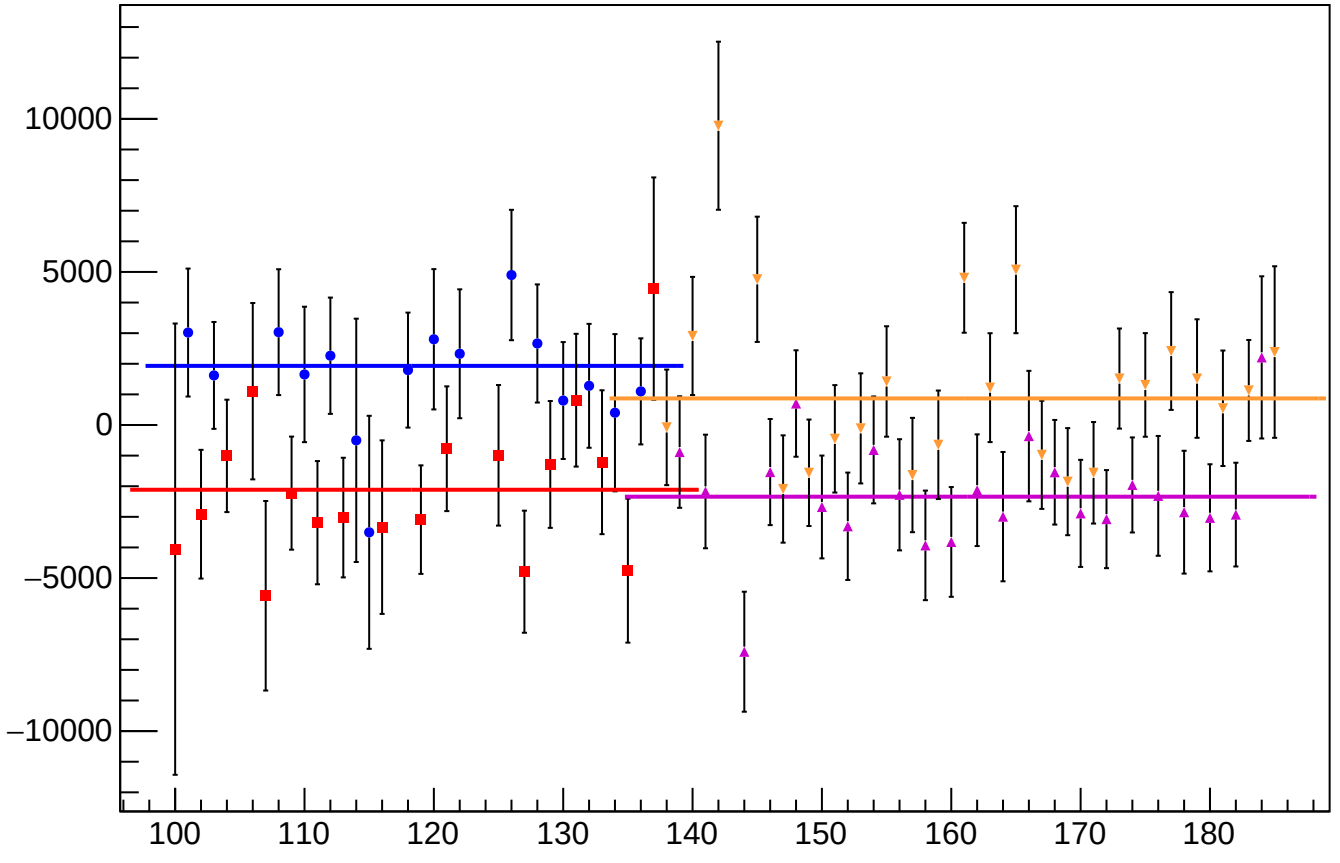
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4385.594+/-0.641 χ^2/NDF: 4188691.7/39

All: 4347.729+/-0.450 χ^2/NDF: 8448440.9/80

- sign 4310.956+/-0.631 χ^2/NDF: 4252864.6/40

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

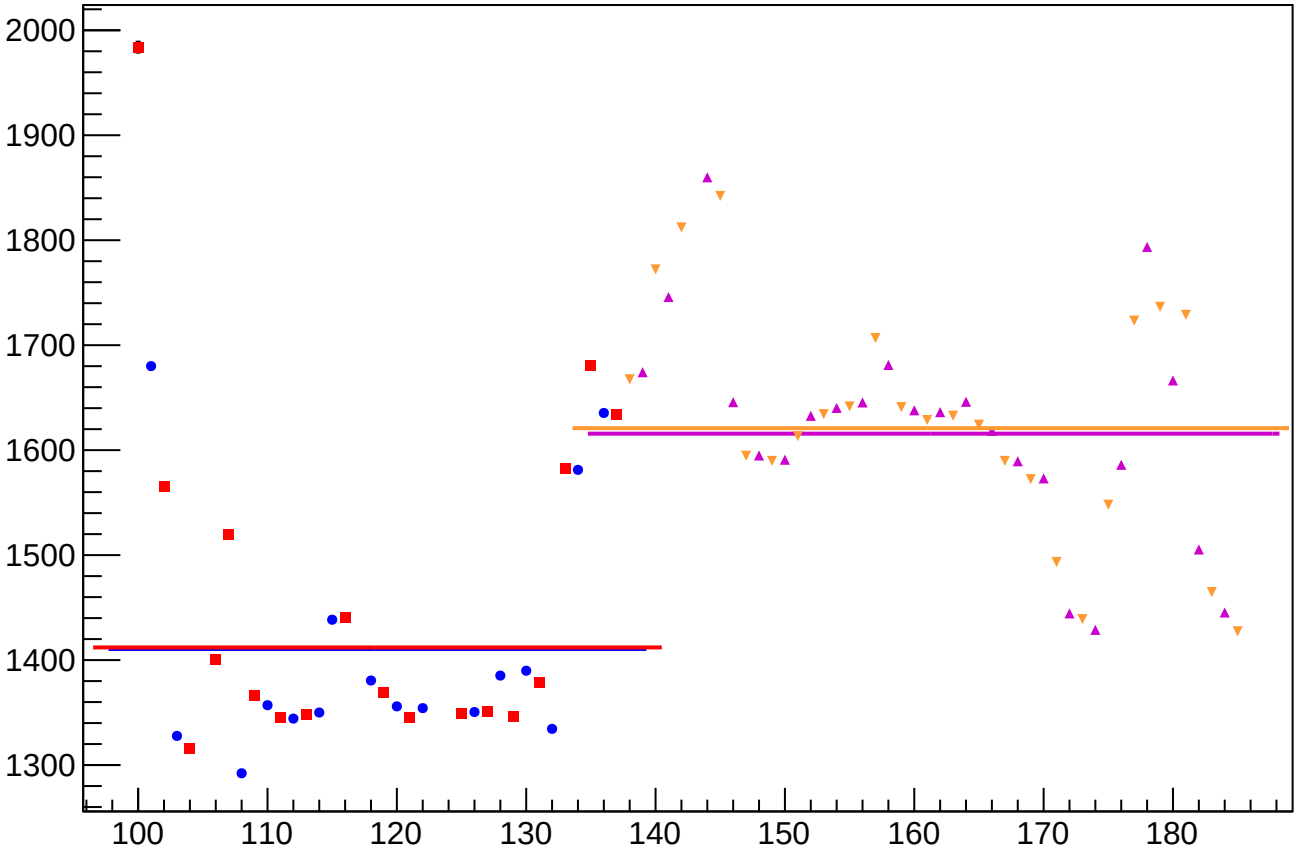
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1228.404+/-306.743 χ^2/NDF: 48.8/39

All: -513.807+/-217.193 χ^2/NDF: 144.9/80

- 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: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

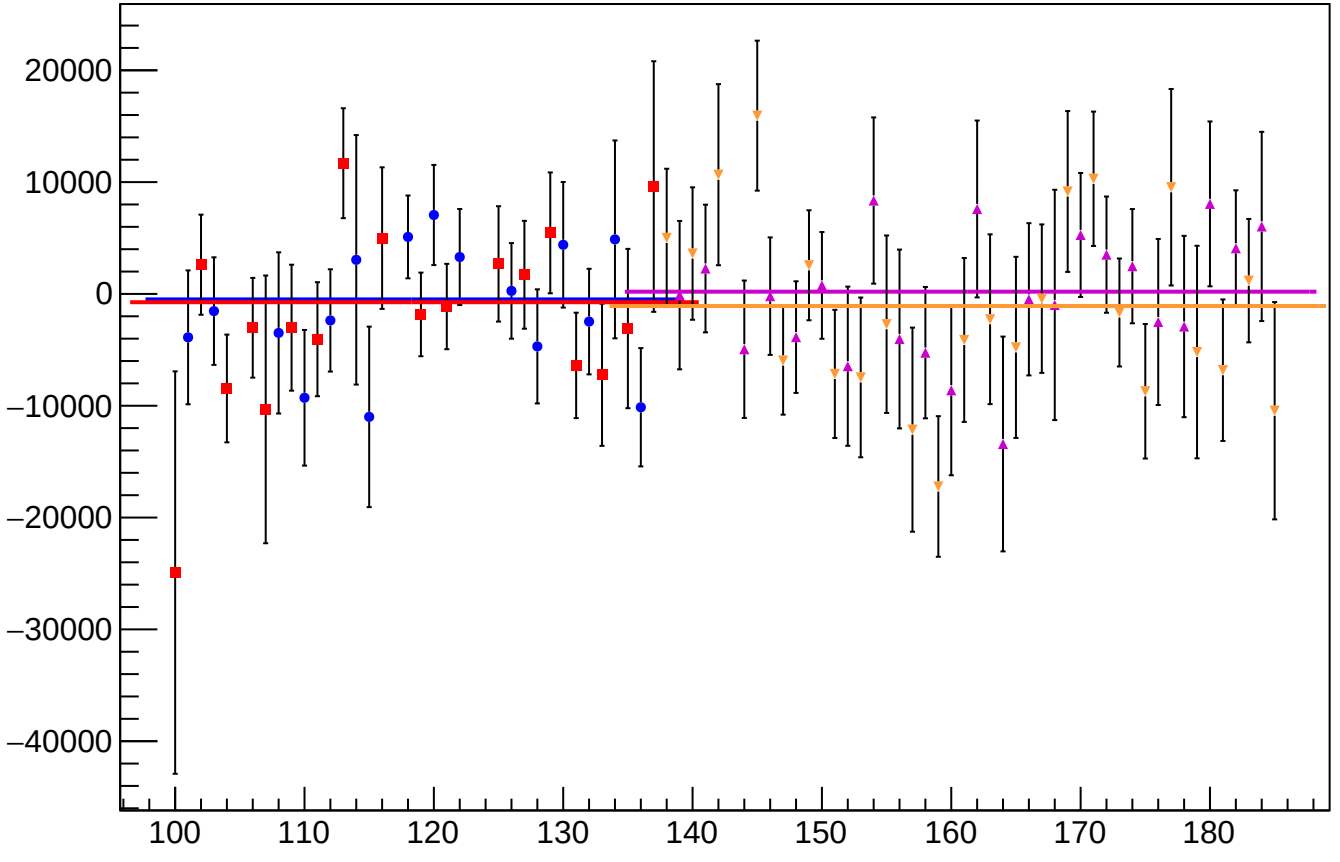
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1549.718+/-0.217 χ^2/NDF: 451767.2/39

All: 1548.143+/-0.154 χ^2/NDF: 875700.2/80

- 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: -1082.232+/-1332.403 χ^2/NDF:32.9/23

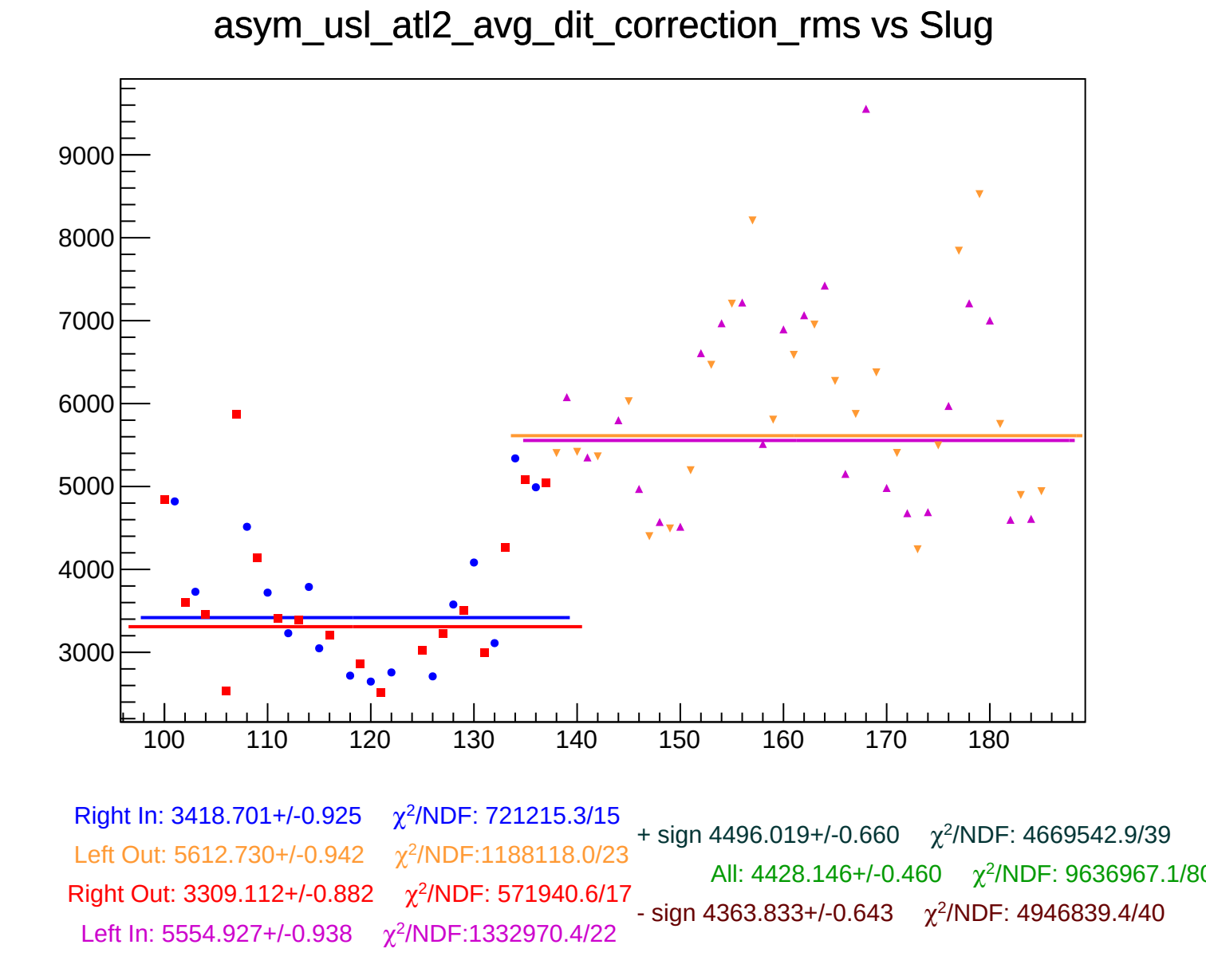
Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

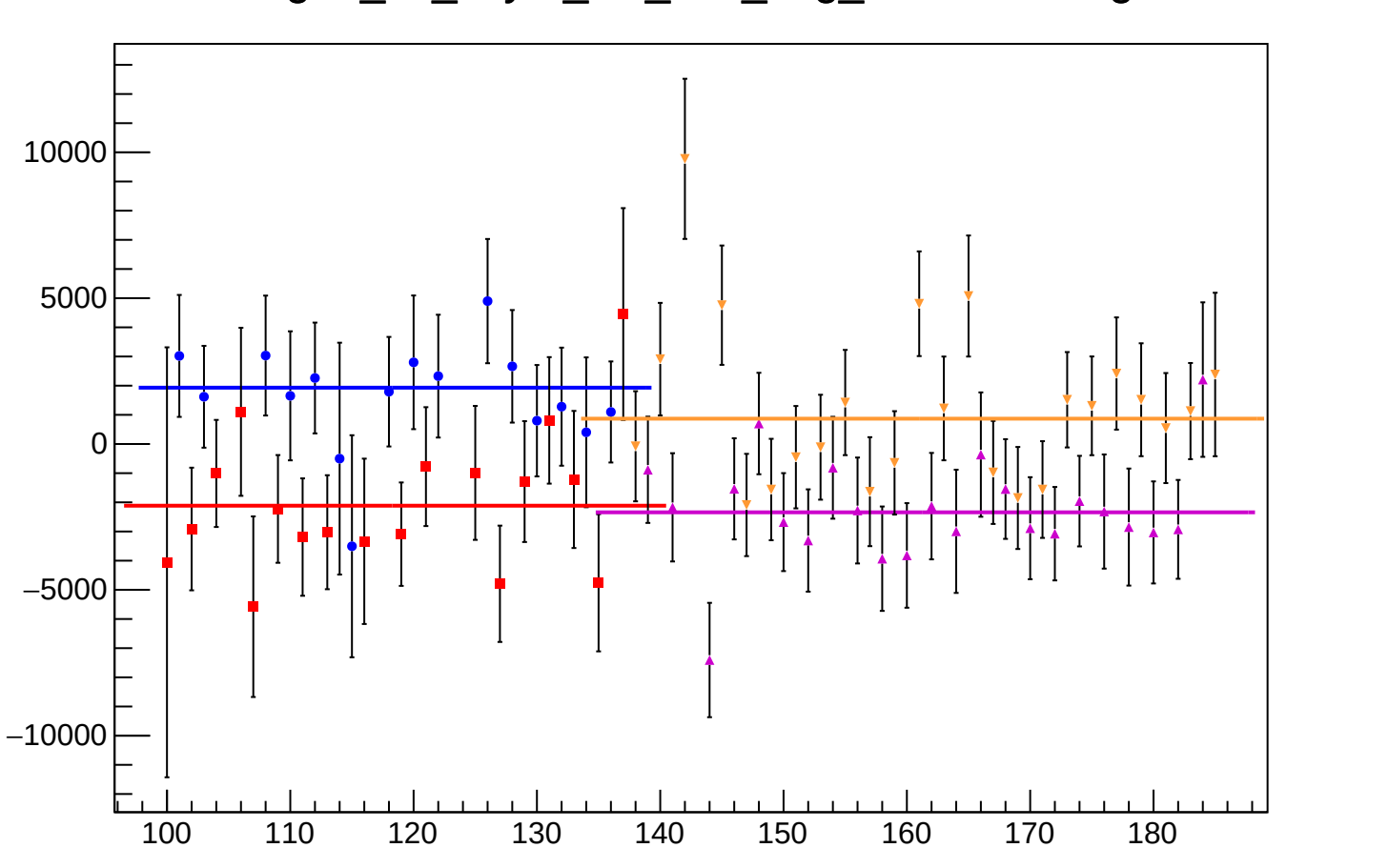
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -780.495+/-933.655 χ^2/NDF: 48.9/39

All: -532.785+/-651.239 χ^2/NDF: 81.4/80

- sign -298.073+/-908.829 χ^2/NDF: 32.3/40


asym_usl_atl2_avg_dit_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
Right In: 3418.701+/-0.925 χ²/NDF: 721215.3/15
Left Out: 5612.730+/-0.942 χ²/NDF:1188118.0/23
Right Out: 3309.112+/-0.882 χ²/NDF: 571940.6/17
Left In: 5554.927+/-0.938 χ²/NDF:1332970.4/22
+ sign 4496.019+/-0.660 χ²/NDF: 4669542.9/39
All: 4428.146+/-0.460 χ²/NDF: 9636967.1/80
- sign 4363.833+/-0.643 χ²/NDF: 4946839.4/40



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

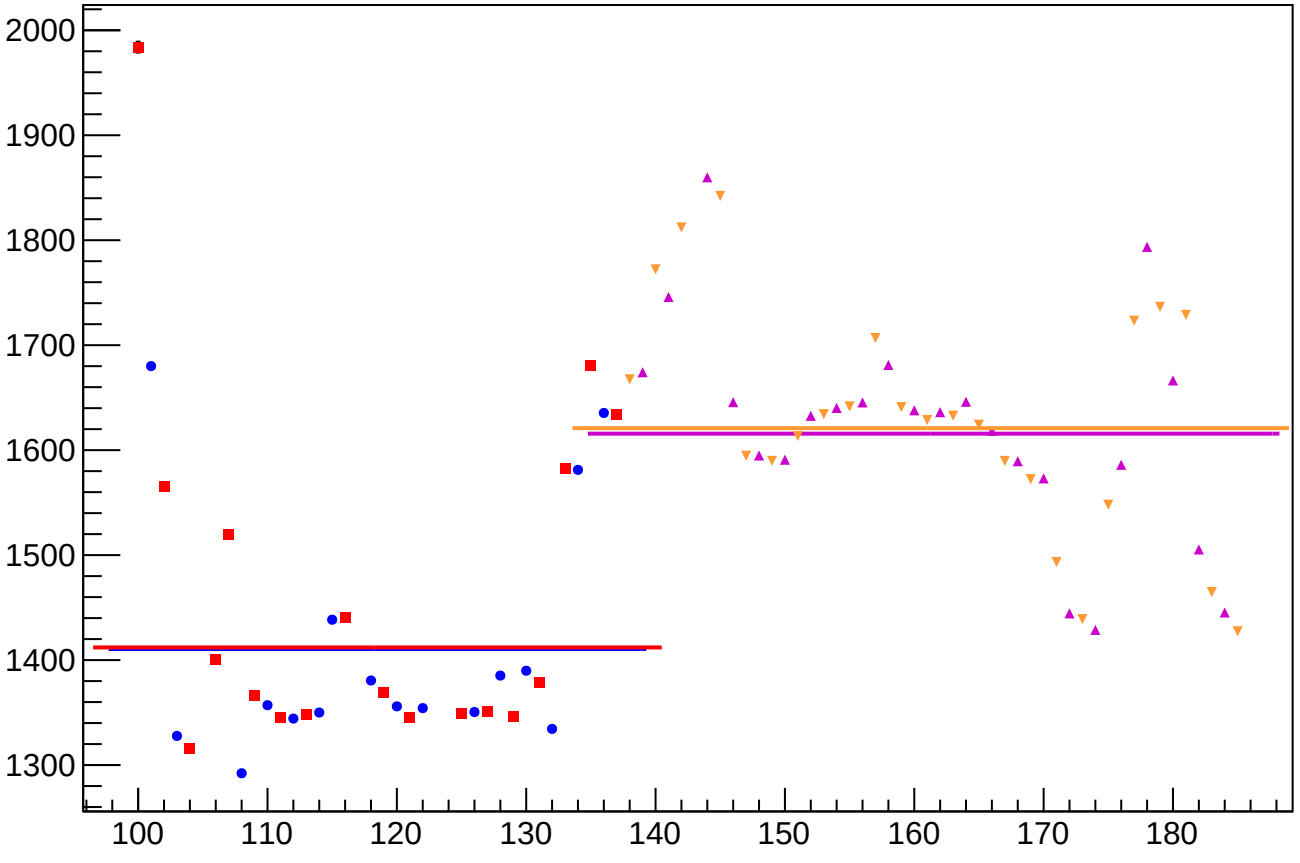
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1228.401+/-306.744 χ^2/NDF: 48.8/39

All: -513.809+/-217.194 χ^2/NDF: 144.9/80

- 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: 1620.946+/-0.267 χ^2/NDF:141990.3/23

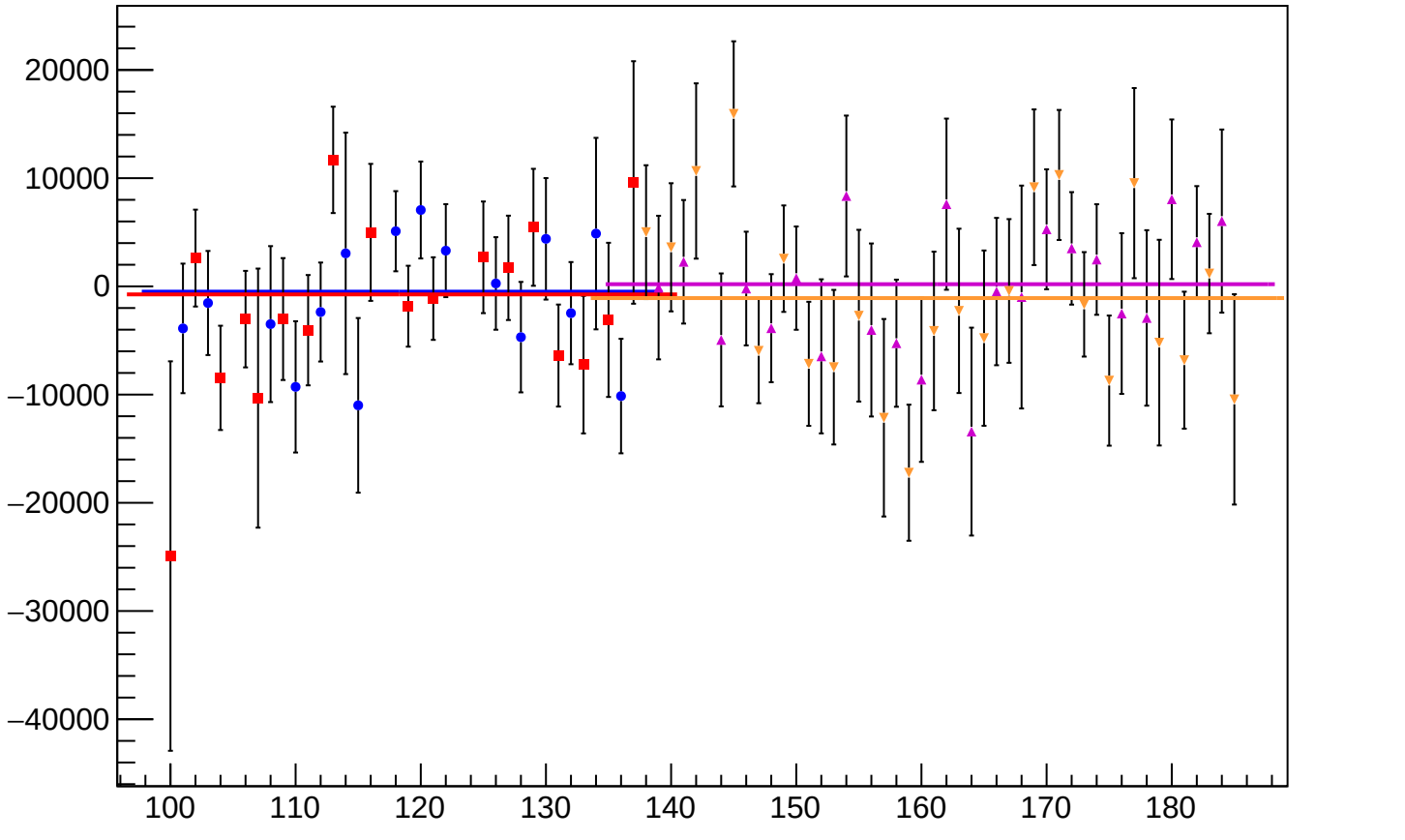
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1549.718+/-0.217 χ^2/NDF: 451774.3/39

All: 1548.143+/-0.154 χ^2/NDF: 875714.9/80

- 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: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

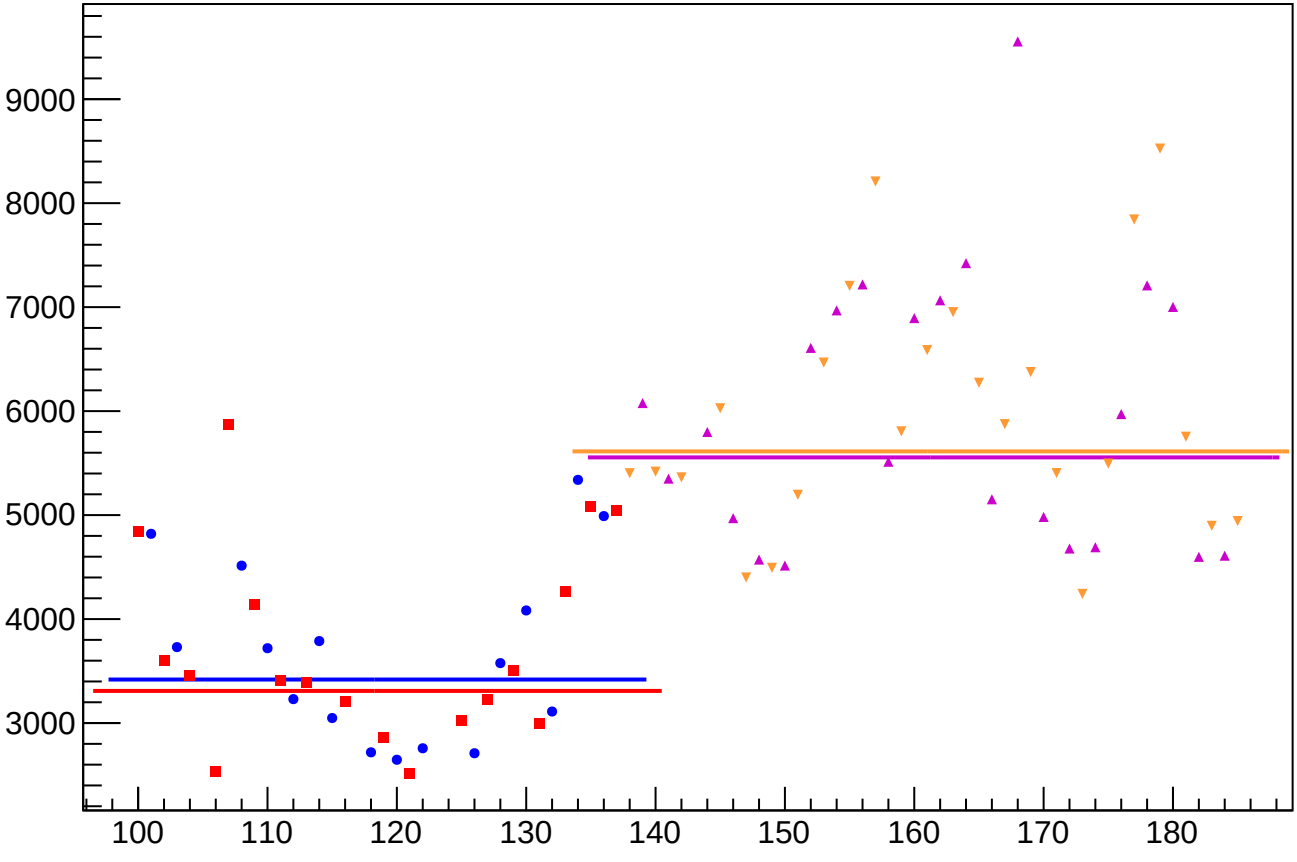
Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -780.494+/-933.654 χ^2/NDF: 48.9/39

All: -532.786+/-651.239 χ^2/NDF: 81.4/80

- sign -298.076+/-908.828 χ^2/NDF: 32.3/40

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

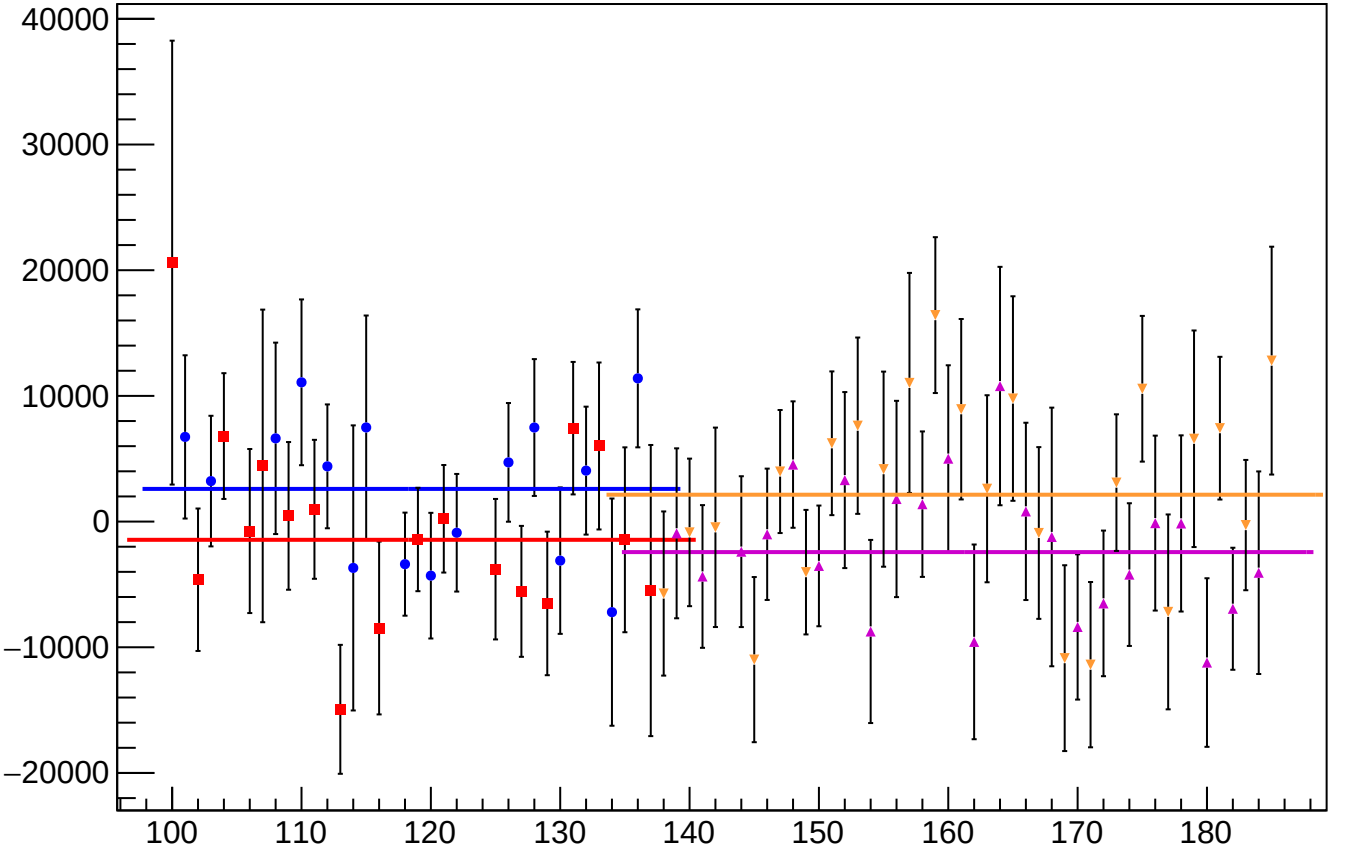
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4496.013+/-0.660 χ^2/NDF: 4669606.6/39

All: 4428.139+/-0.460 χ^2/NDF: 9637089.1/80

- sign 4363.827+/-0.643 χ^2/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: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

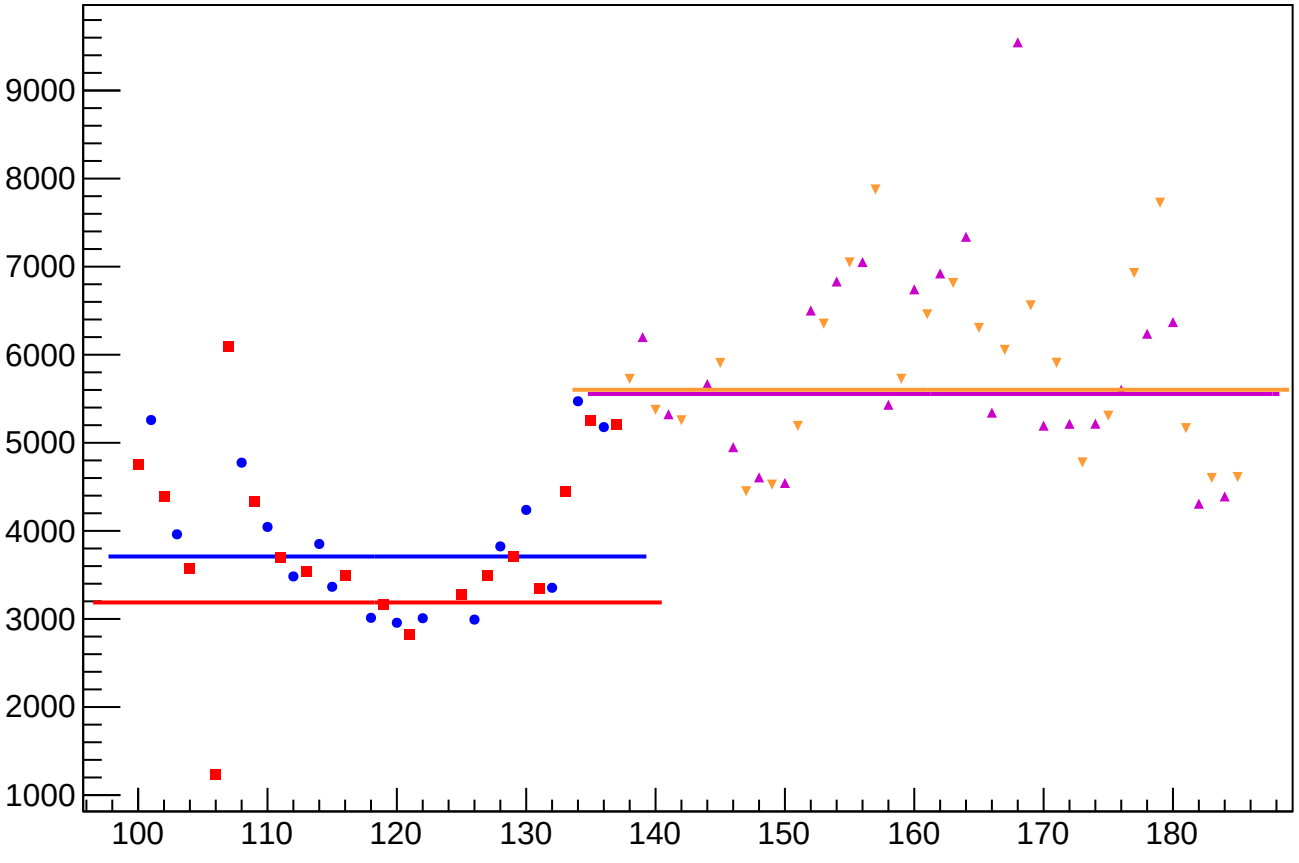
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2353.714+/-966.771 χ^2/NDF: 44.2/39

All: 170.160+/-679.491 χ^2/NDF: 86.5/80

- 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: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

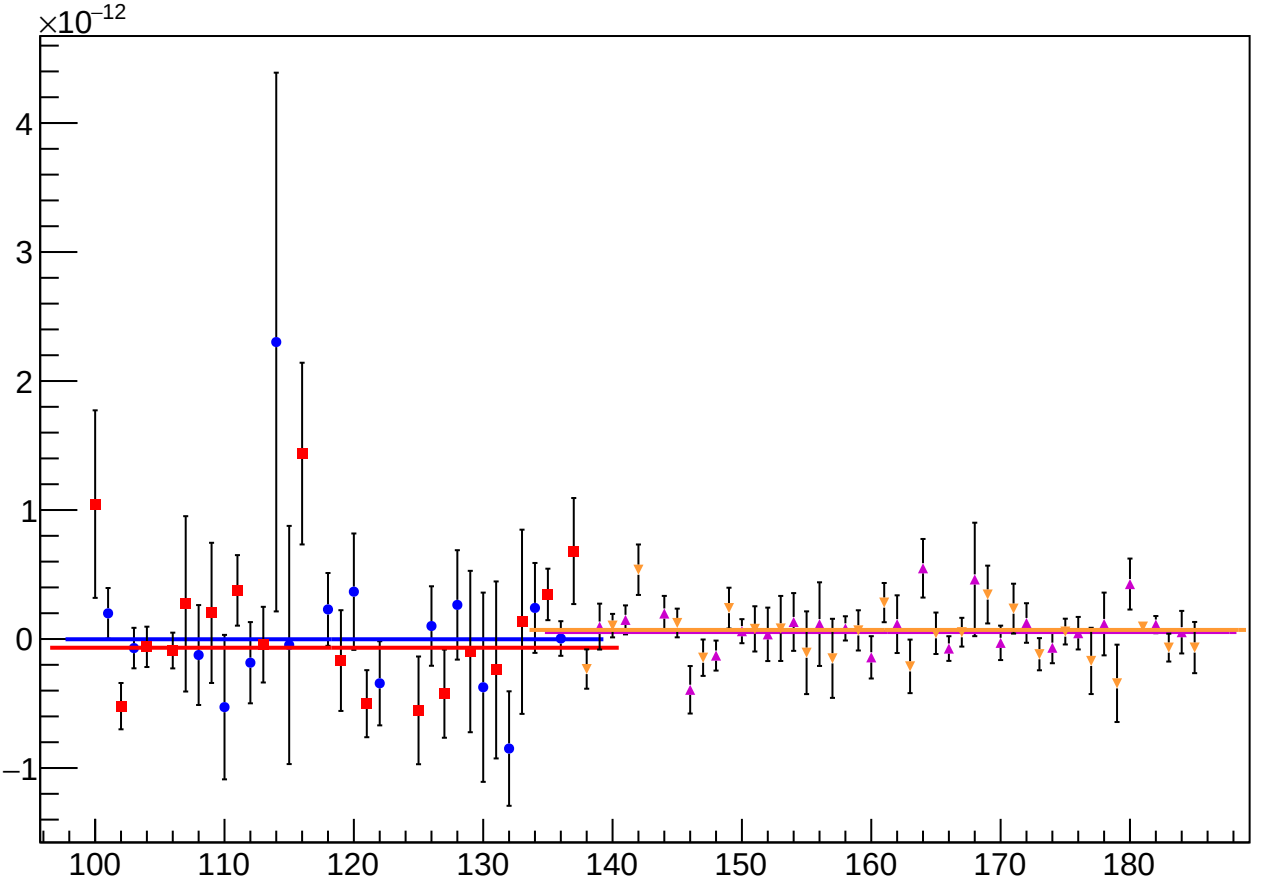
Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4717.926+/-0.684 χ^2/NDF: 3460042.8/39

All: 4508.251+/-0.470 χ^2/NDF: 9706414.6/80

- 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:28.3/23

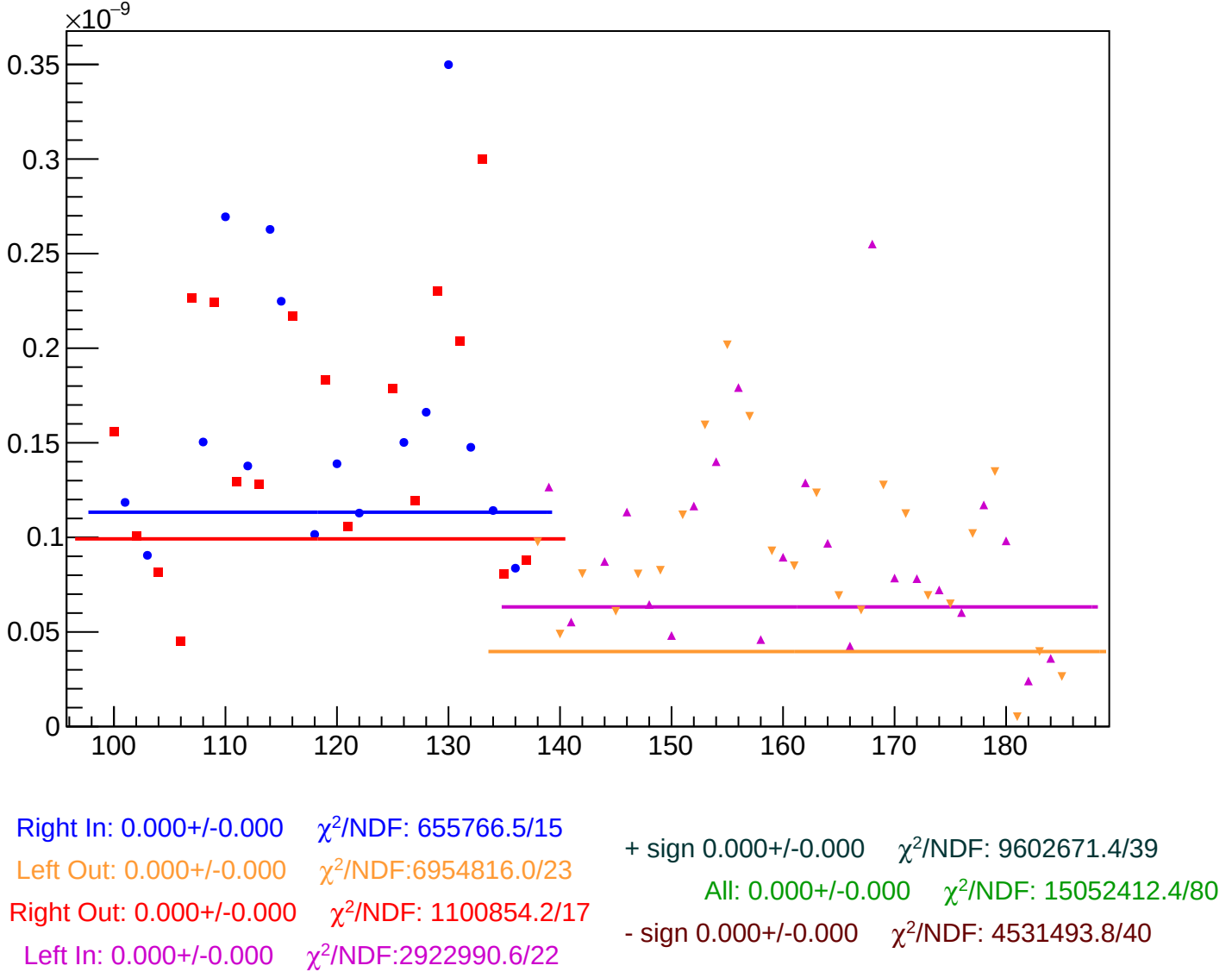
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

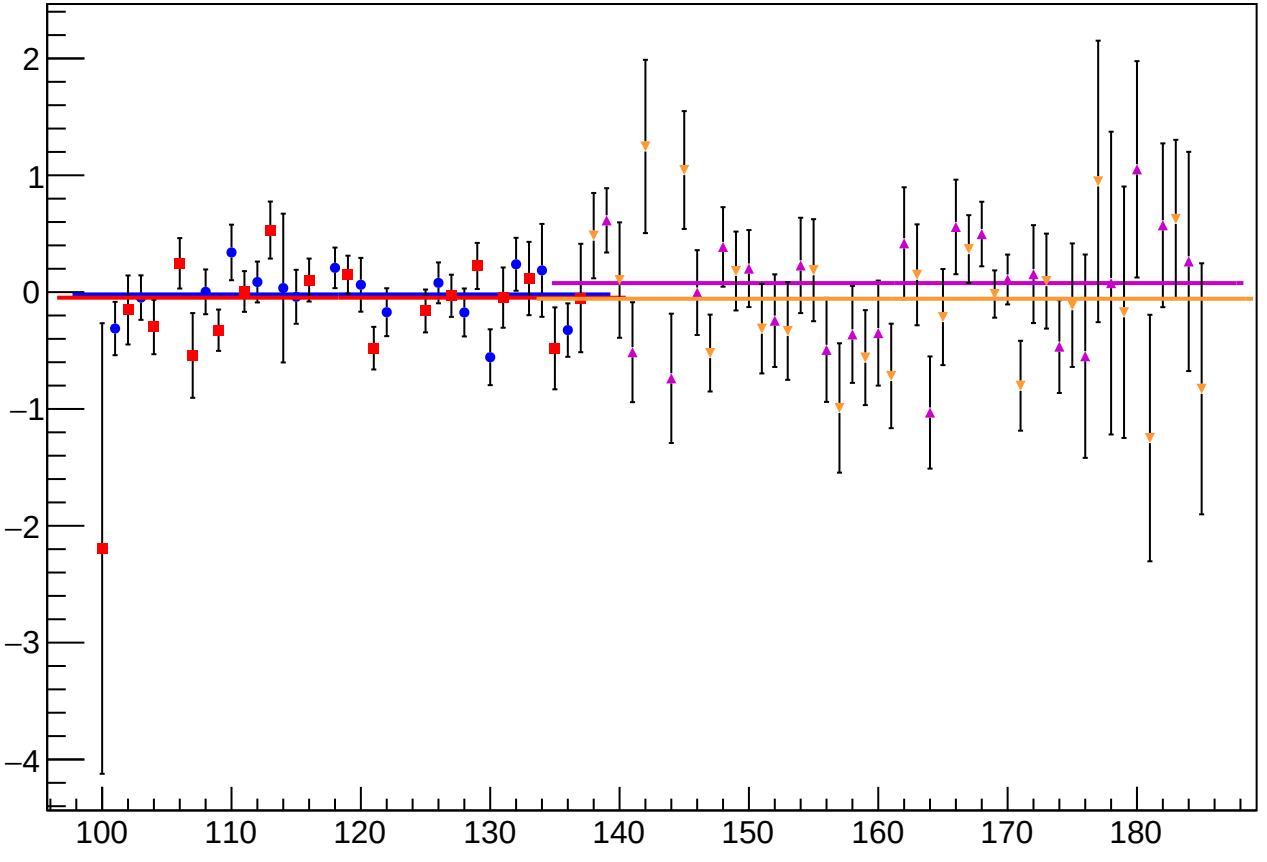
+ sign 0.000+/-0.000 χ^2/NDF: 40.3/39

All: 0.000+/-0.000 χ^2/NDF: 98.8/80

- sign 0.000+/-0.000 χ^2/NDF: 57.8/40


asym_usl_atl2_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: 655766.5/15
Left Out: 0.000+/-0.000 χ²/NDF:6954816.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 1100854.2/17
Left In: 0.000+/-0.000 χ²/NDF:2922990.6/22
+ sign 0.000+/-0.000 χ²/NDF: 9602671.4/39
All: 0.000+/-0.000 χ²/NDF: 15052412.4/80
- sign 0.000+/-0.000 χ²/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: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

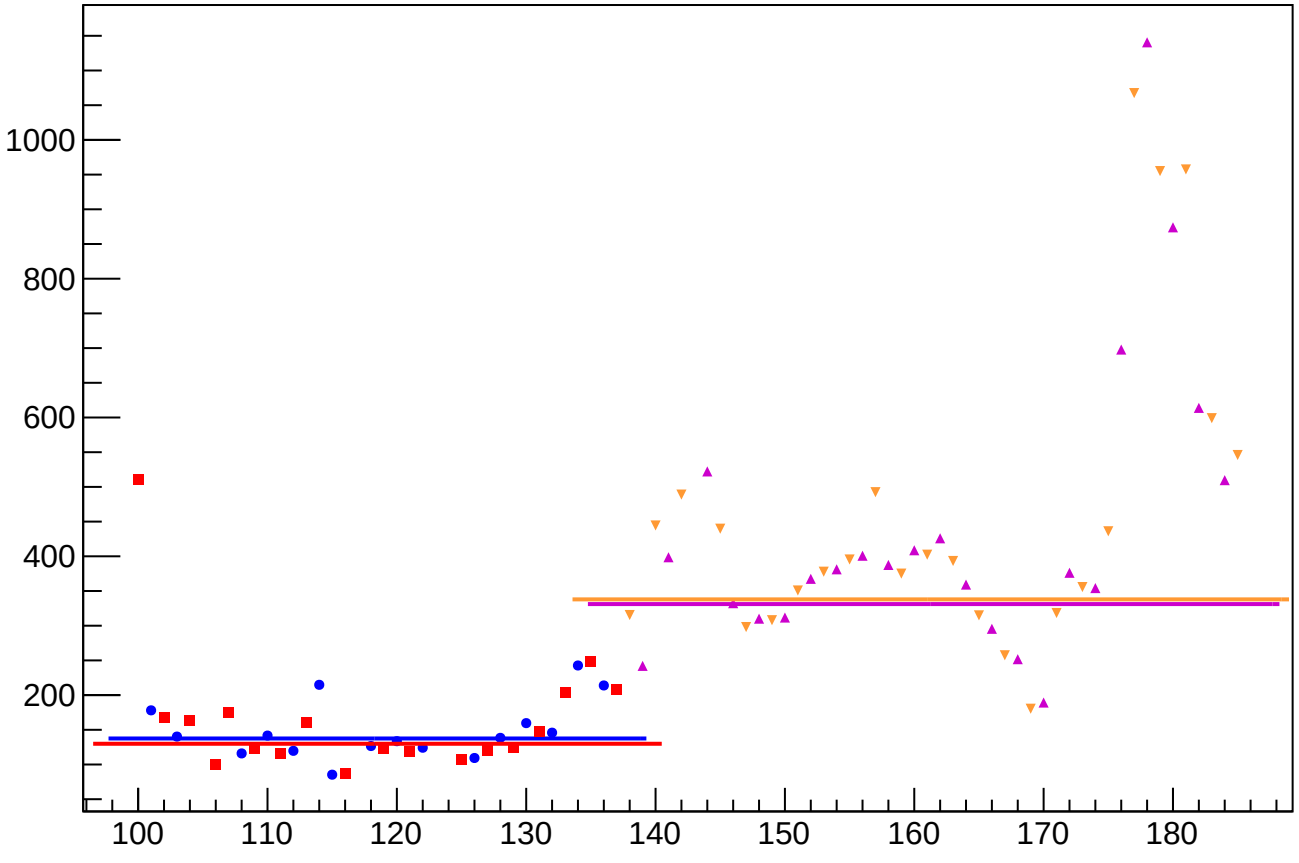
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.030+/-0.046 χ^2/NDF: 46.5/39

All: -0.021+/-0.032 χ^2/NDF: 101.5/80

- sign -0.012+/-0.044 χ^2/NDF: 54.9/40

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

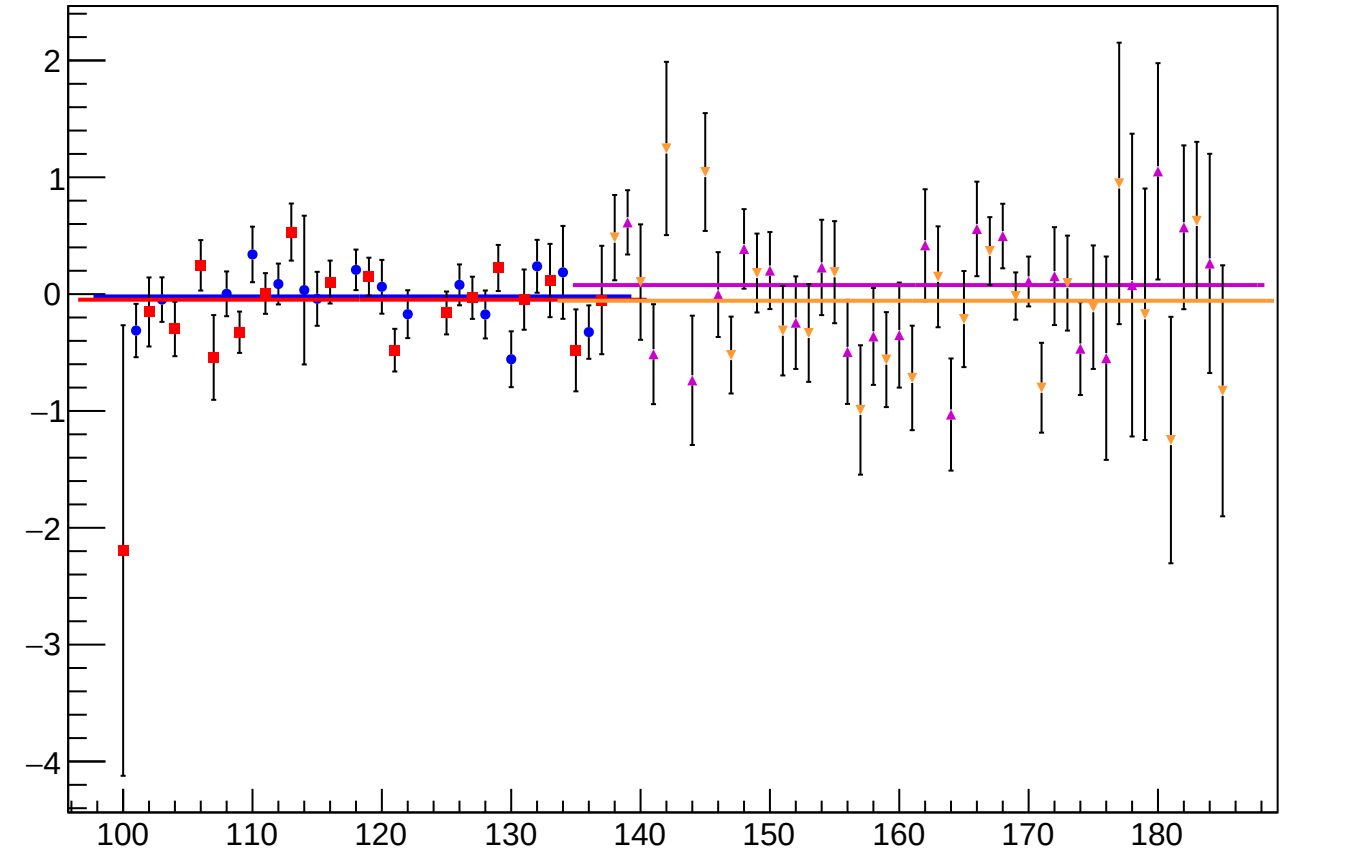
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.999+/-0.032 χ^2/NDF: 13056045.2/39

All: 190.873+/-0.023 χ^2/NDF: 26369480.2/80

- 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: -0.057+/-0.085 χ^2/NDF:30.4/23

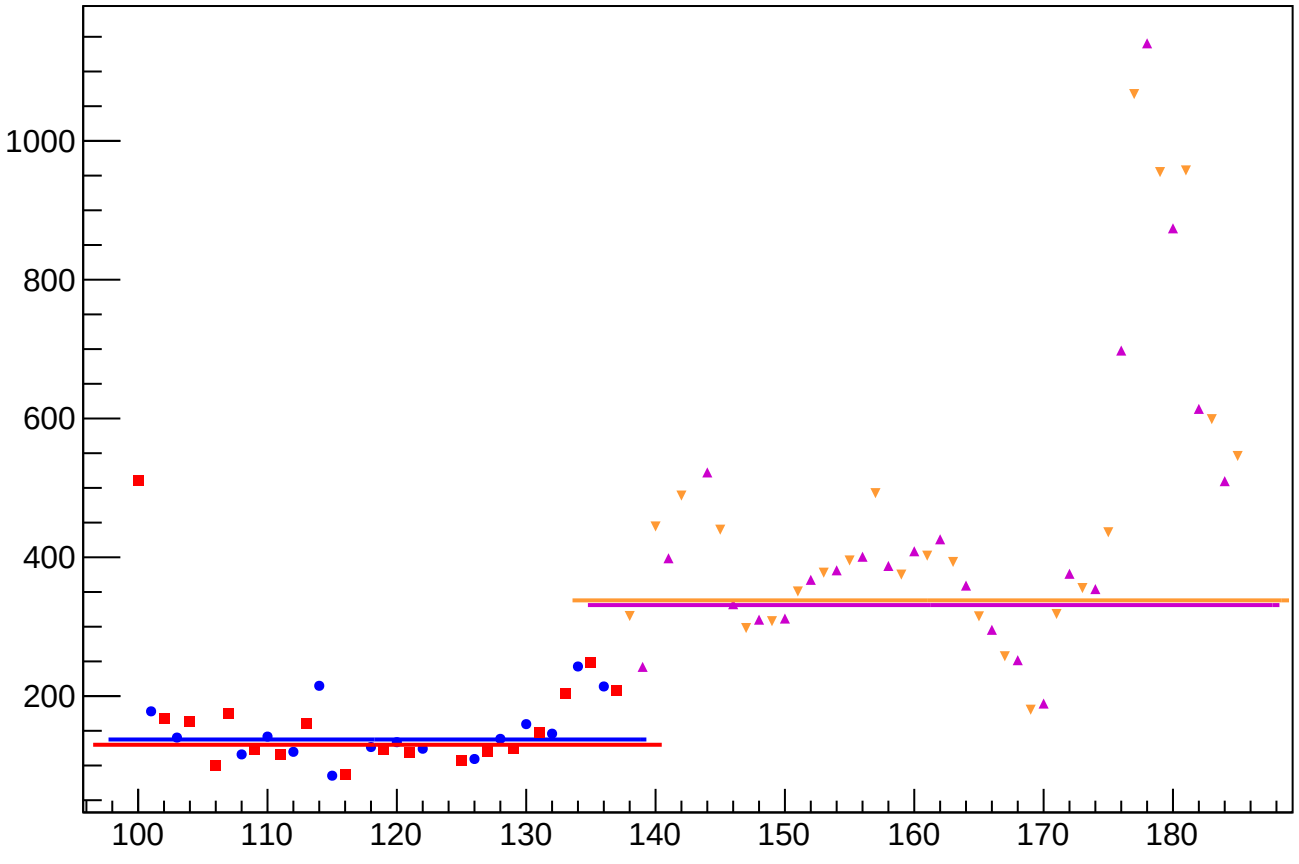
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.030+/-0.046 χ^2/NDF: 46.5/39

All: -0.021+/-0.032 χ^2/NDF: 101.5/80

- 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: 337.937+/-0.060 χ^2/NDF:4517129.8/23

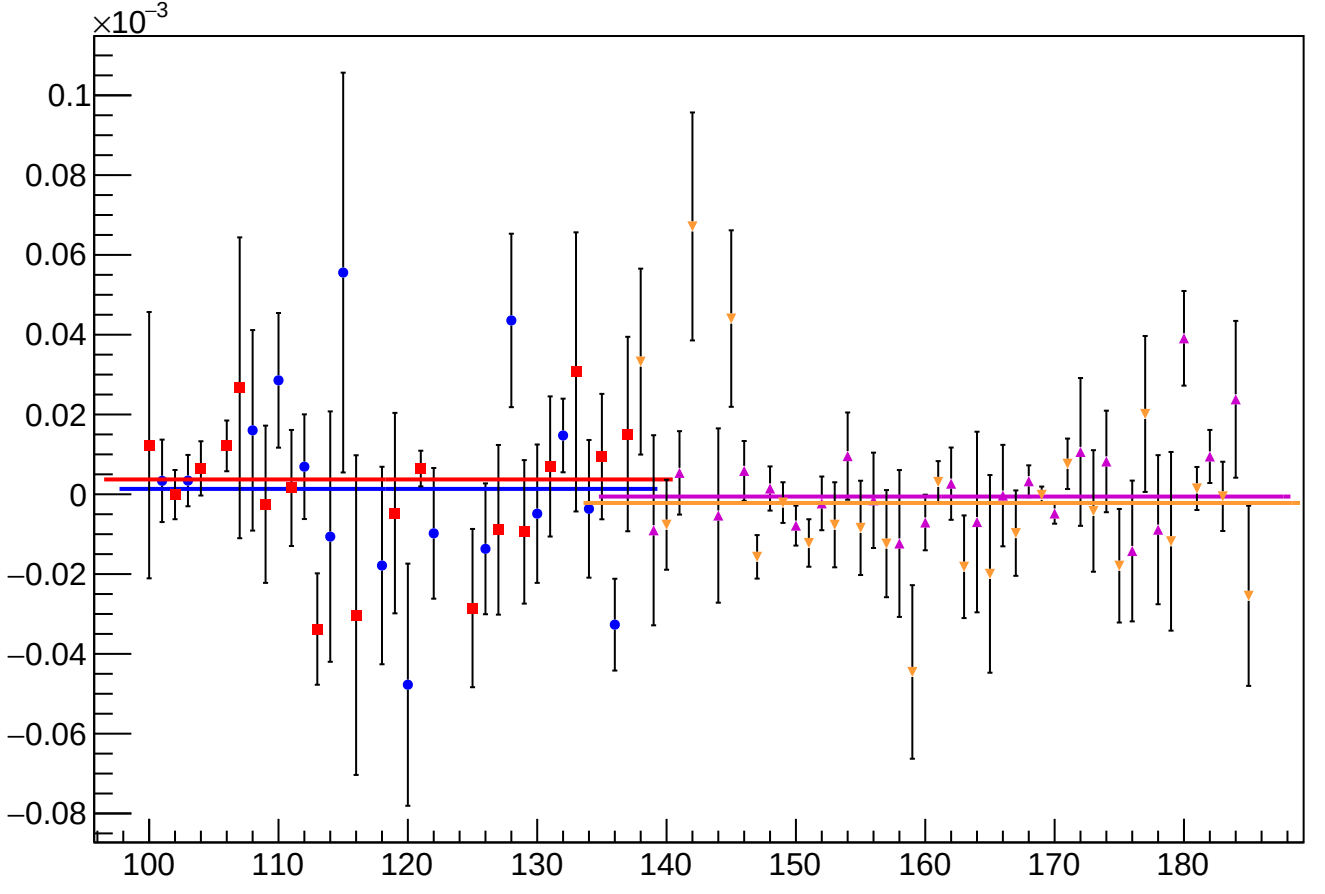
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.999+/-0.032 χ^2/NDF: 13056045.2/39

All: 190.873+/-0.023 χ^2/NDF: 26369480.2/80

- 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:37.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

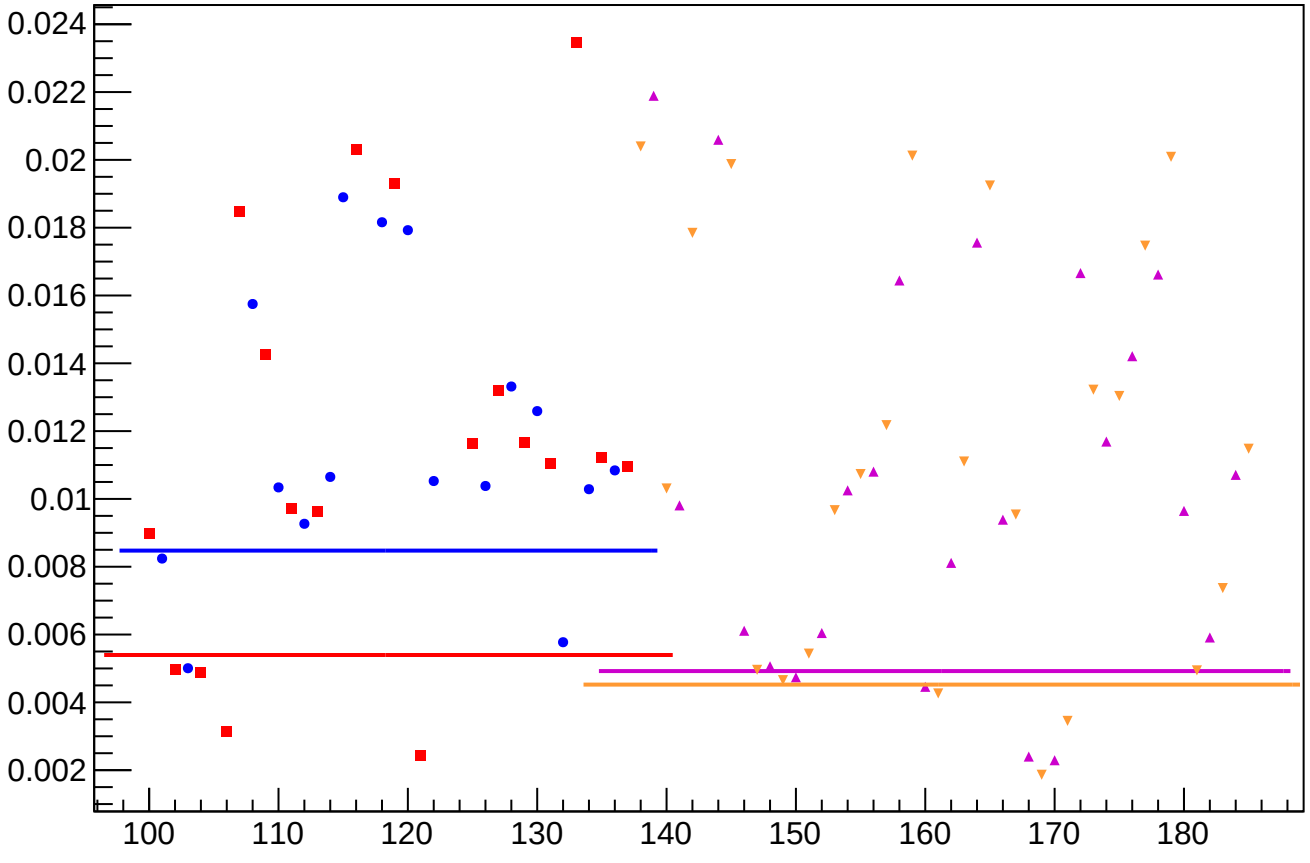
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.7/39

All: -0.000+/-0.000 χ^2/NDF: 108.3/80

- sign 0.000+/-0.000 χ^2/NDF: 44.1/40

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

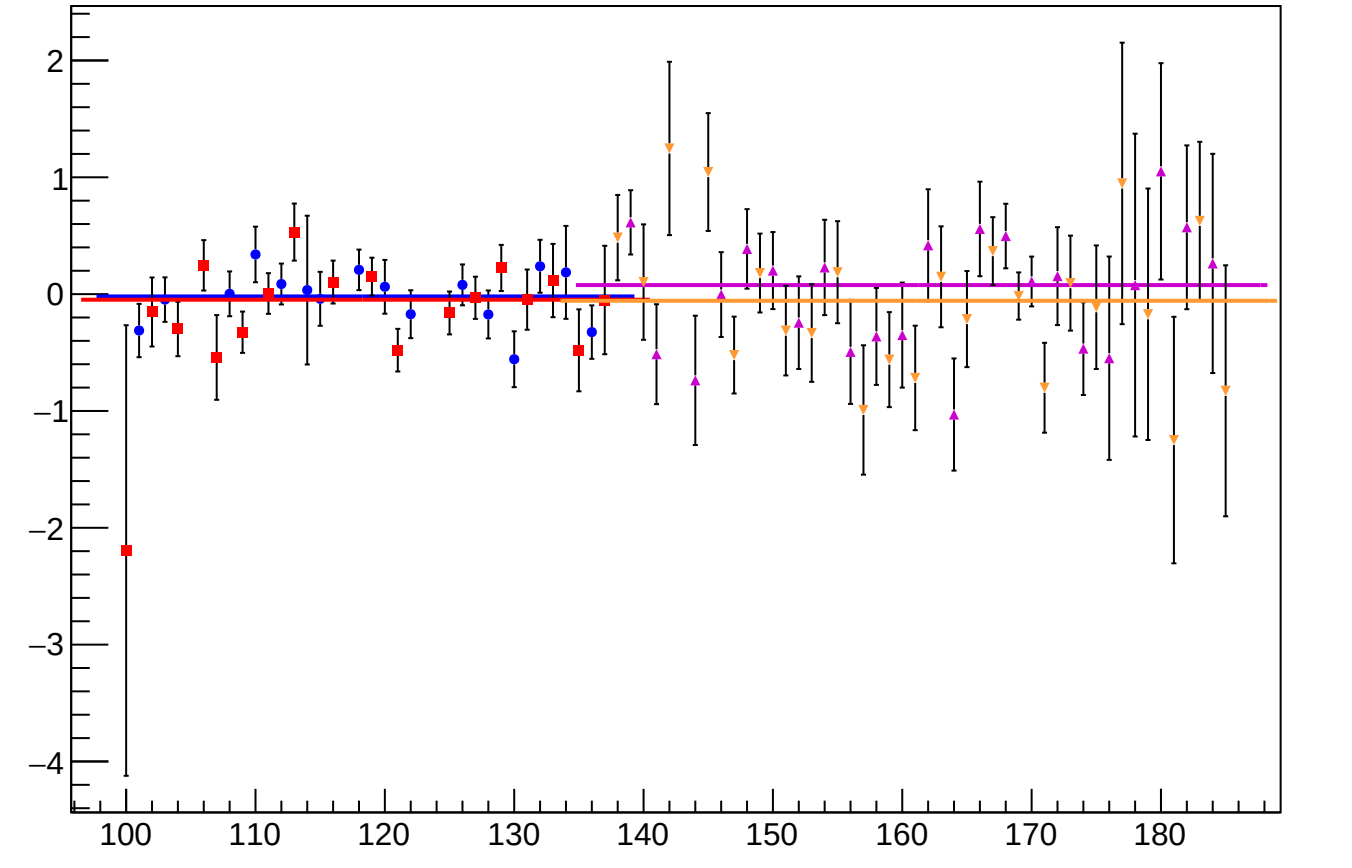
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 18420520.4/39

All: 0.005+/-0.000 χ^2/NDF: 35009613.3/80

- sign 0.005+/-0.000 χ^2/NDF: 16588222.3/40



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

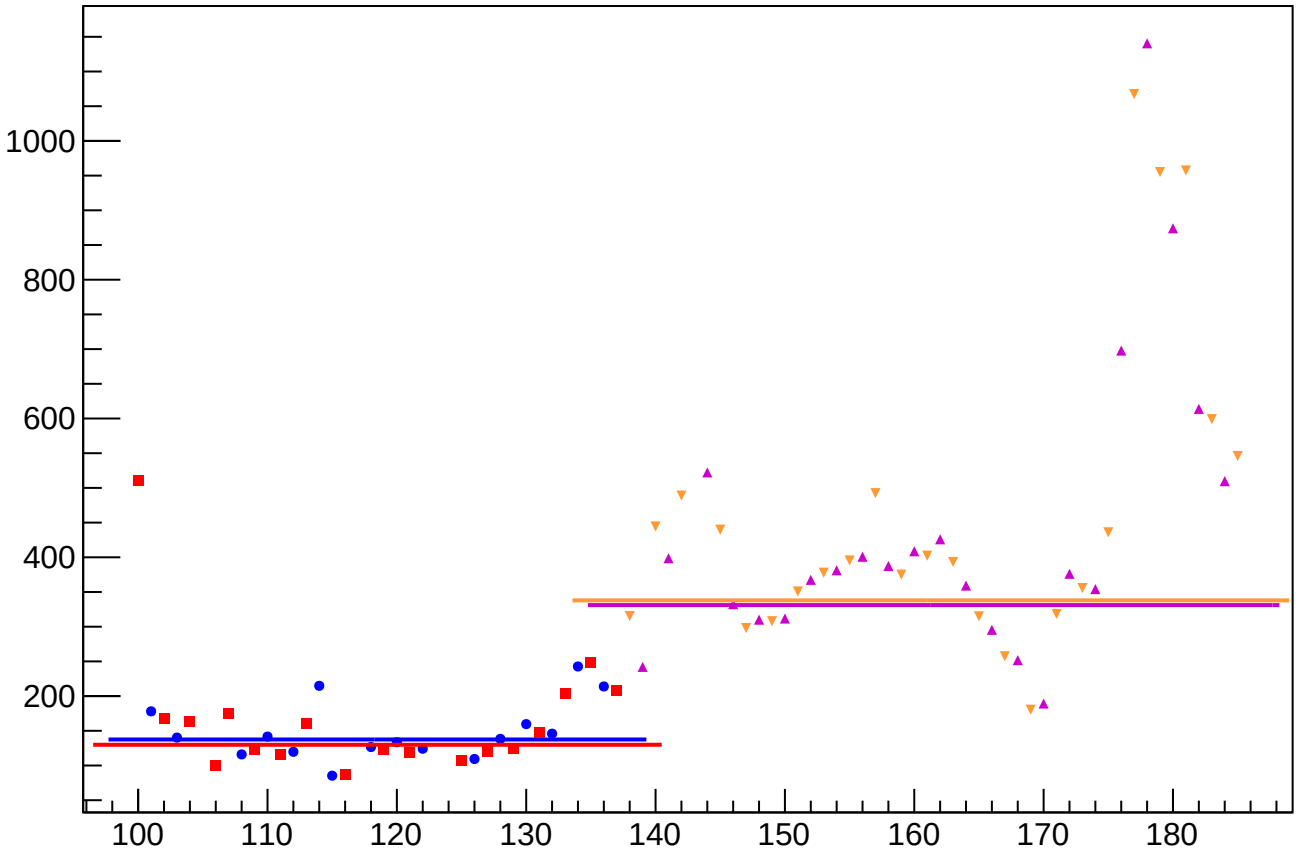
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.030+/-0.046 χ^2/NDF: 46.5/39

All: -0.021+/-0.032 χ^2/NDF: 101.5/80

- 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: 337.939+/-0.060 χ^2/NDF:4517201.8/23

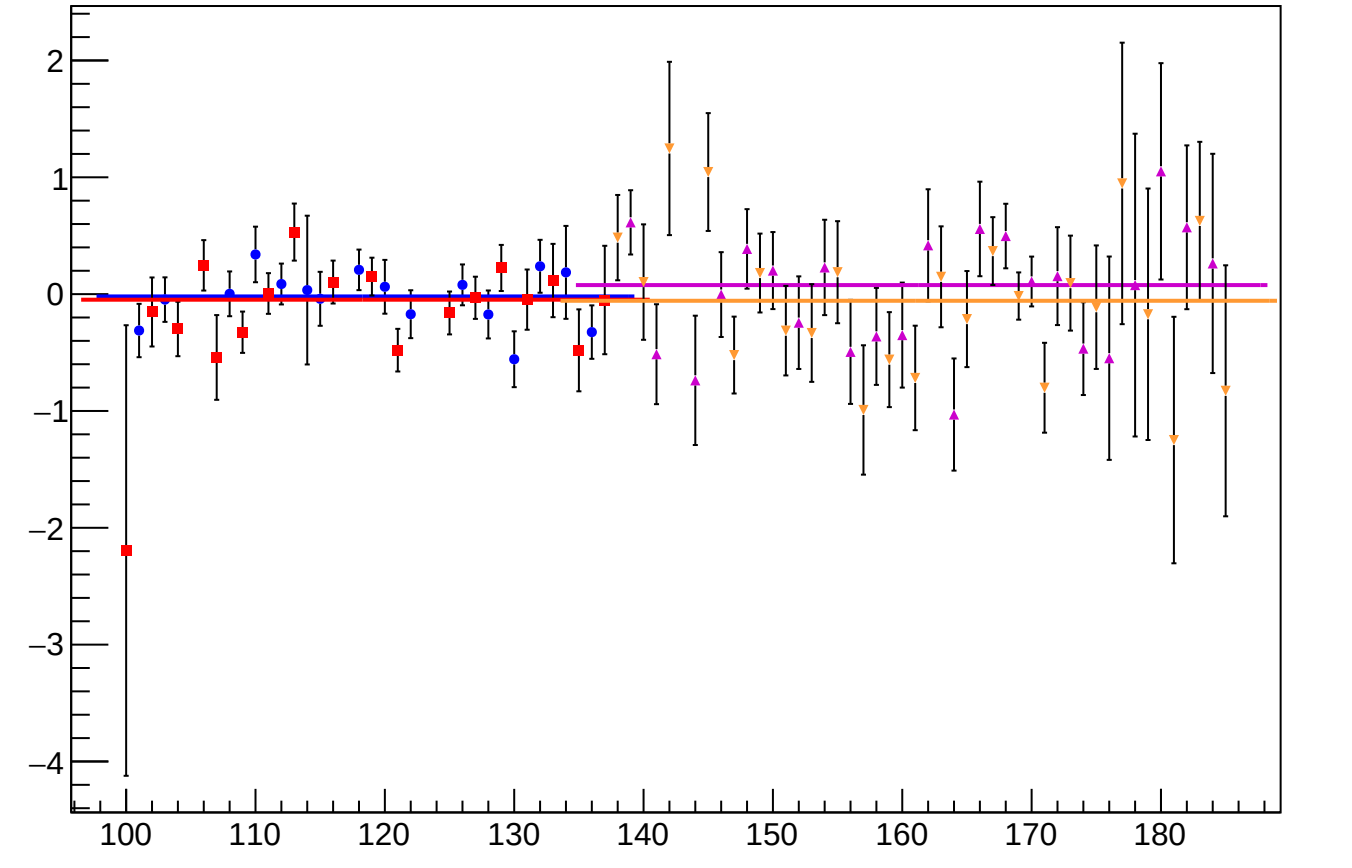
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.999+/-0.032 χ^2/NDF: 13056187.2/39

All: 190.873+/-0.023 χ^2/NDF: 26369718.9/80

- 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: -0.057+/-0.085 χ^2/NDF:30.4/23

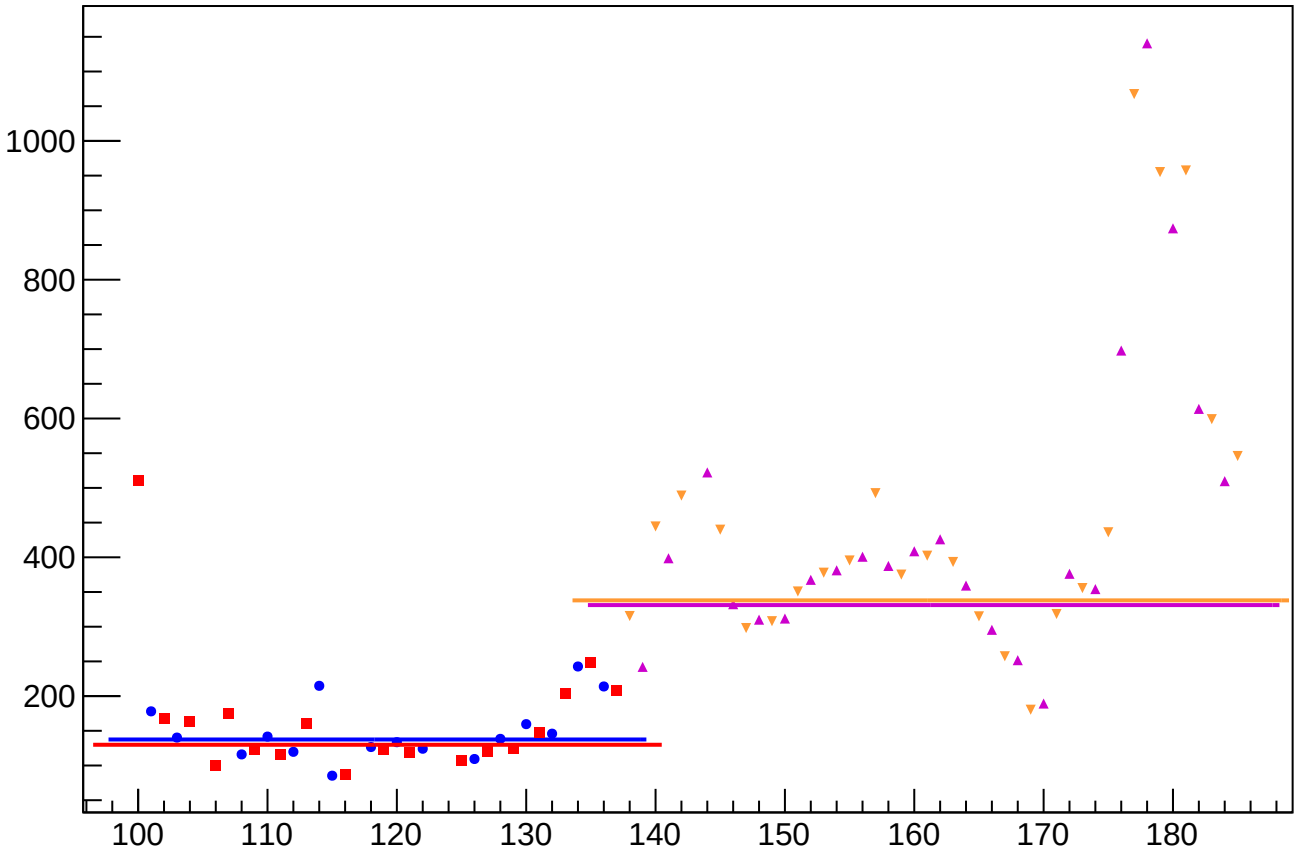
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.030+/-0.046 χ^2/NDF: 46.5/39

All: -0.021+/-0.032 χ^2/NDF: 101.5/80

- 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: 337.939+/-0.060 χ^2/NDF:4517201.8/23

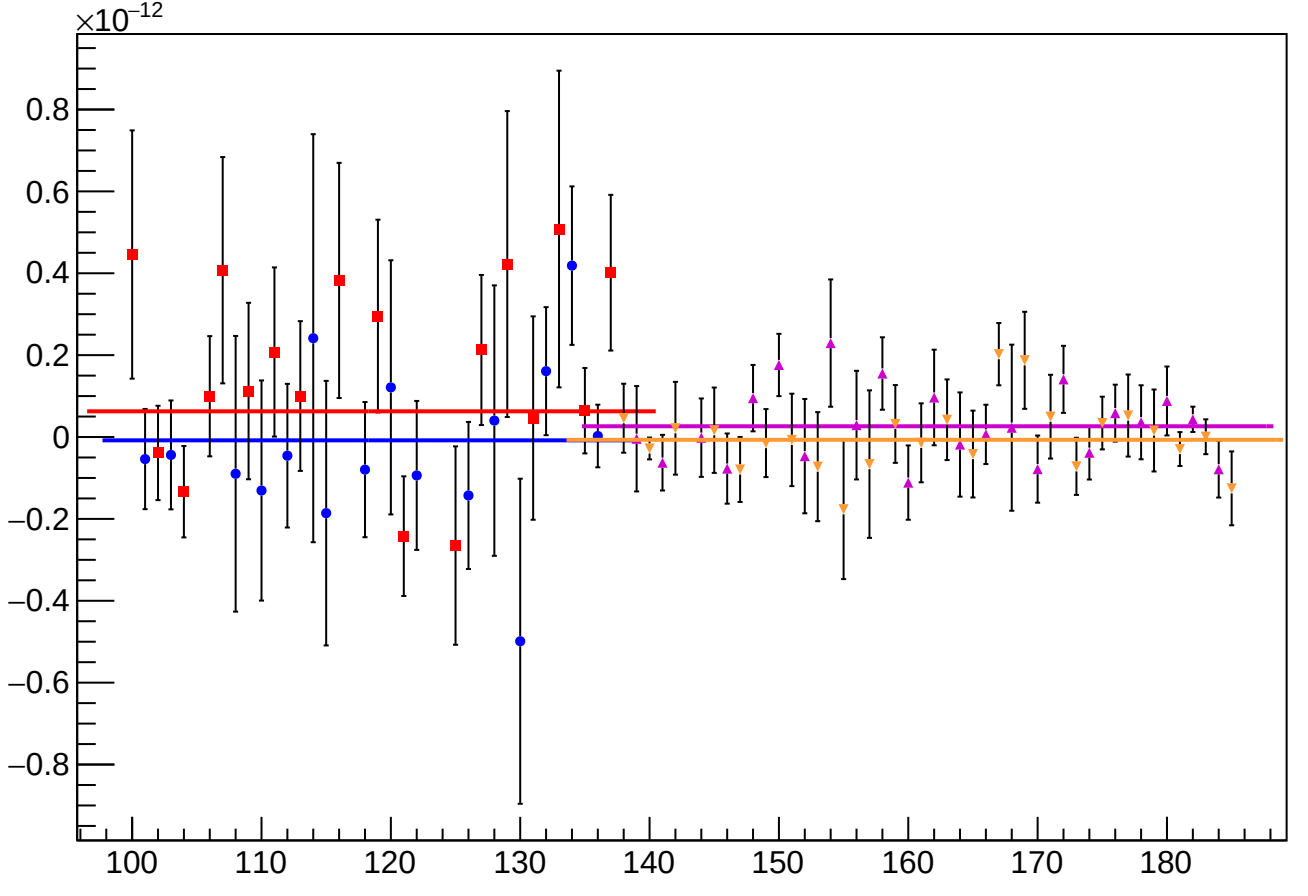
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.999+/-0.032 χ^2/NDF: 13056187.2/39

All: 190.873+/-0.023 χ^2/NDF: 26369718.9/80

- 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:18.1/23

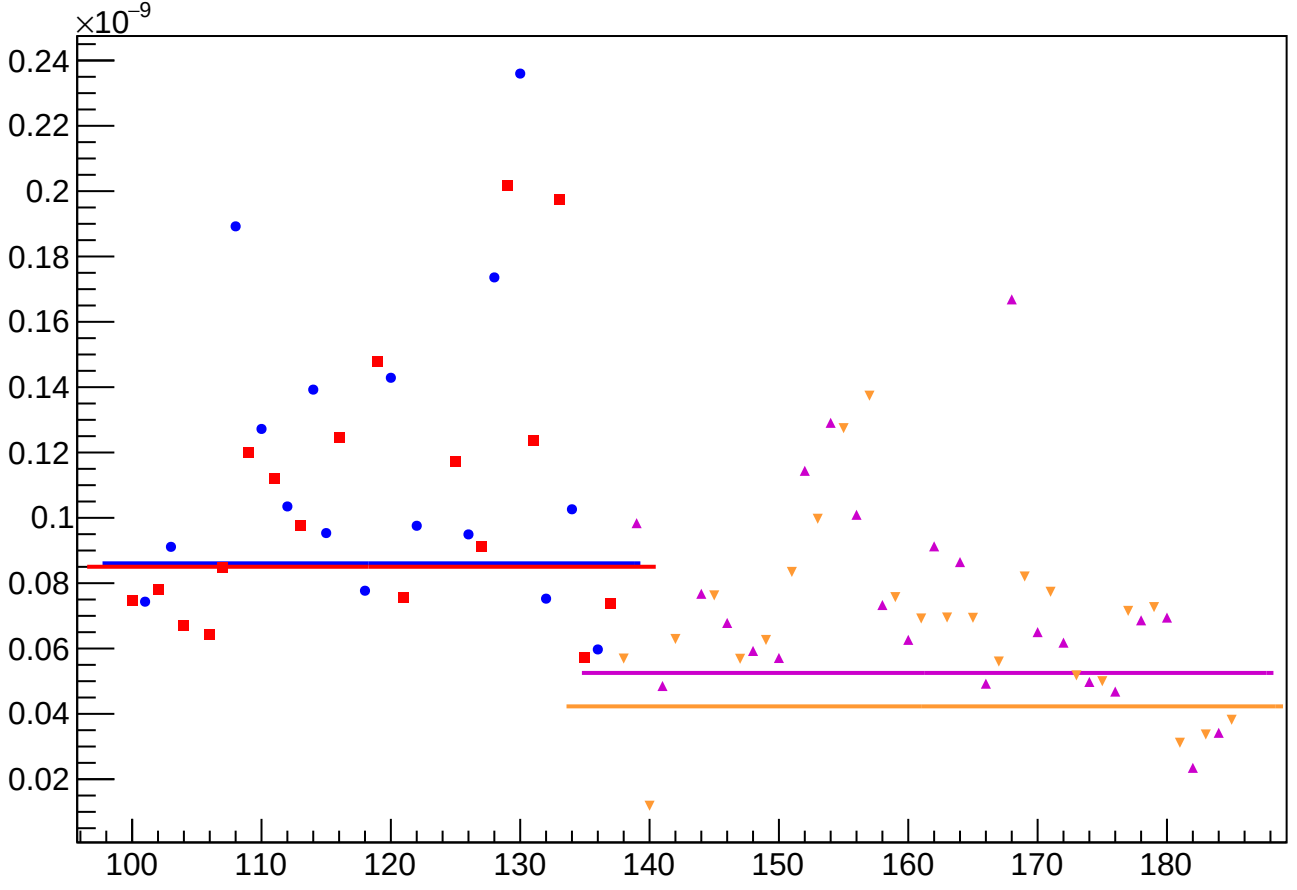
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

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

All: 0.000+/-0.000 χ^2/NDF: 77.1/80

- 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:6680117.5/23

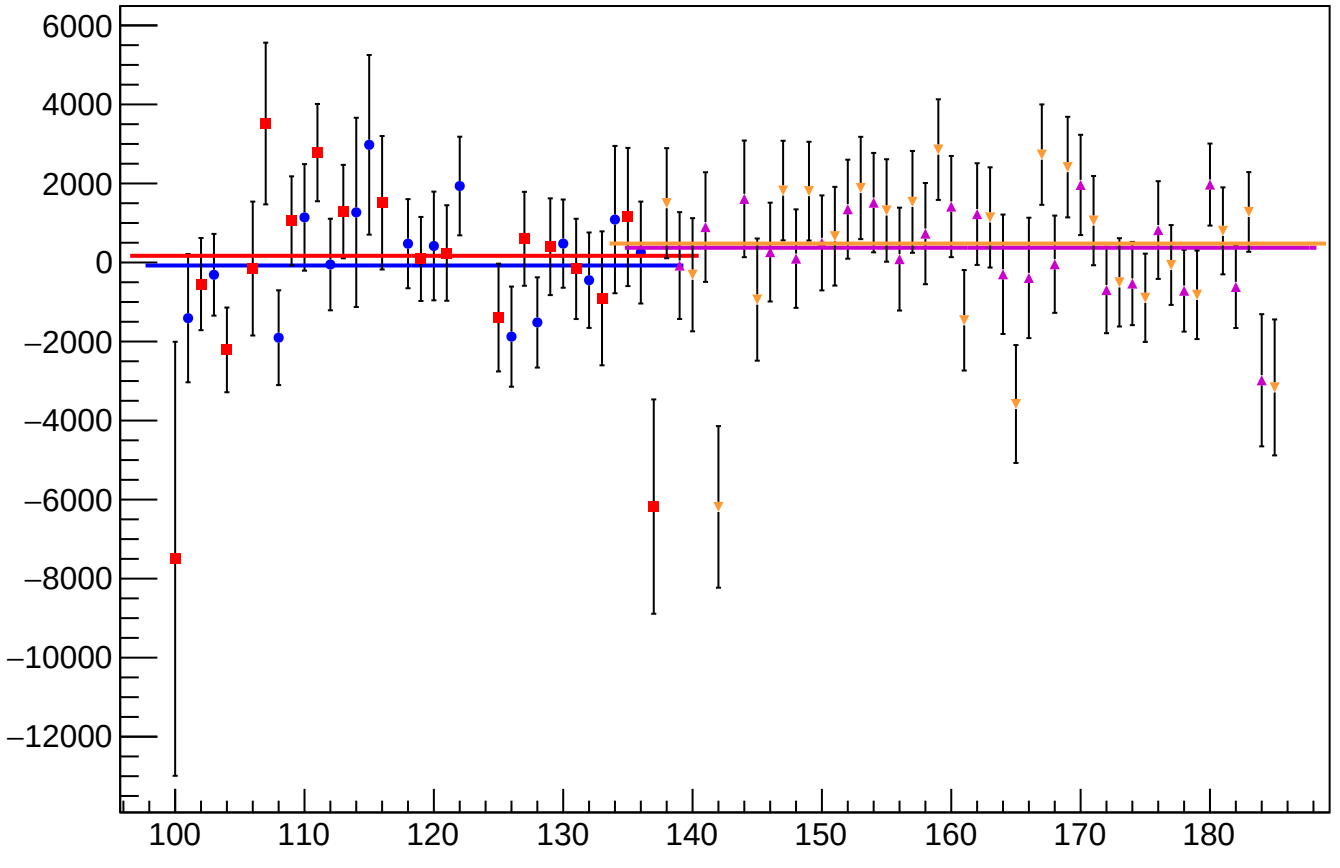
Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9660479.8/39

All: 0.000+/-0.000 χ^2/NDF: 17081839.4/80

- sign 0.000+/-0.000 χ^2/NDF: 6935621.4/40



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

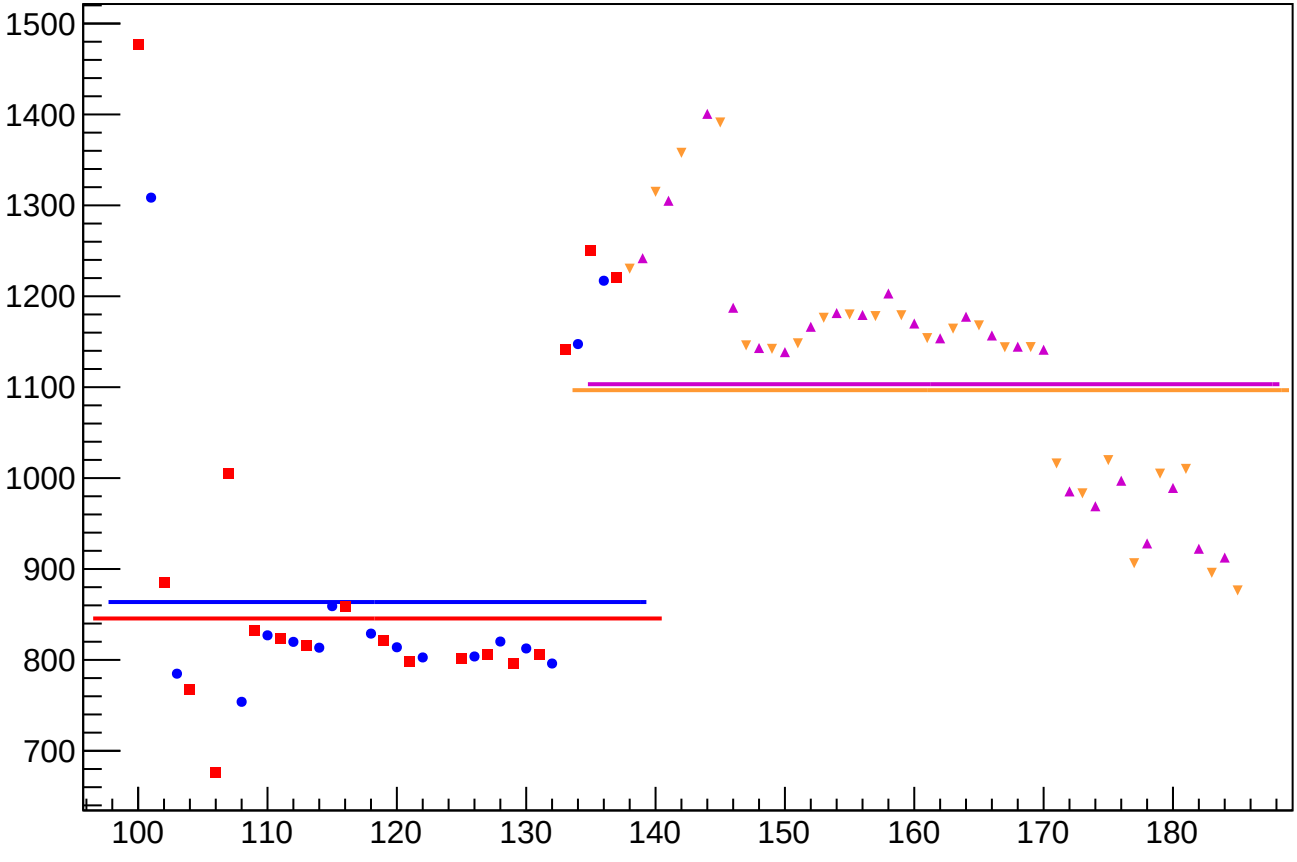
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 267.510+/-201.554 χ^2/NDF: 60.3/39

All: 280.124+/-142.650 χ^2/NDF: 101.0/80

- 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: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

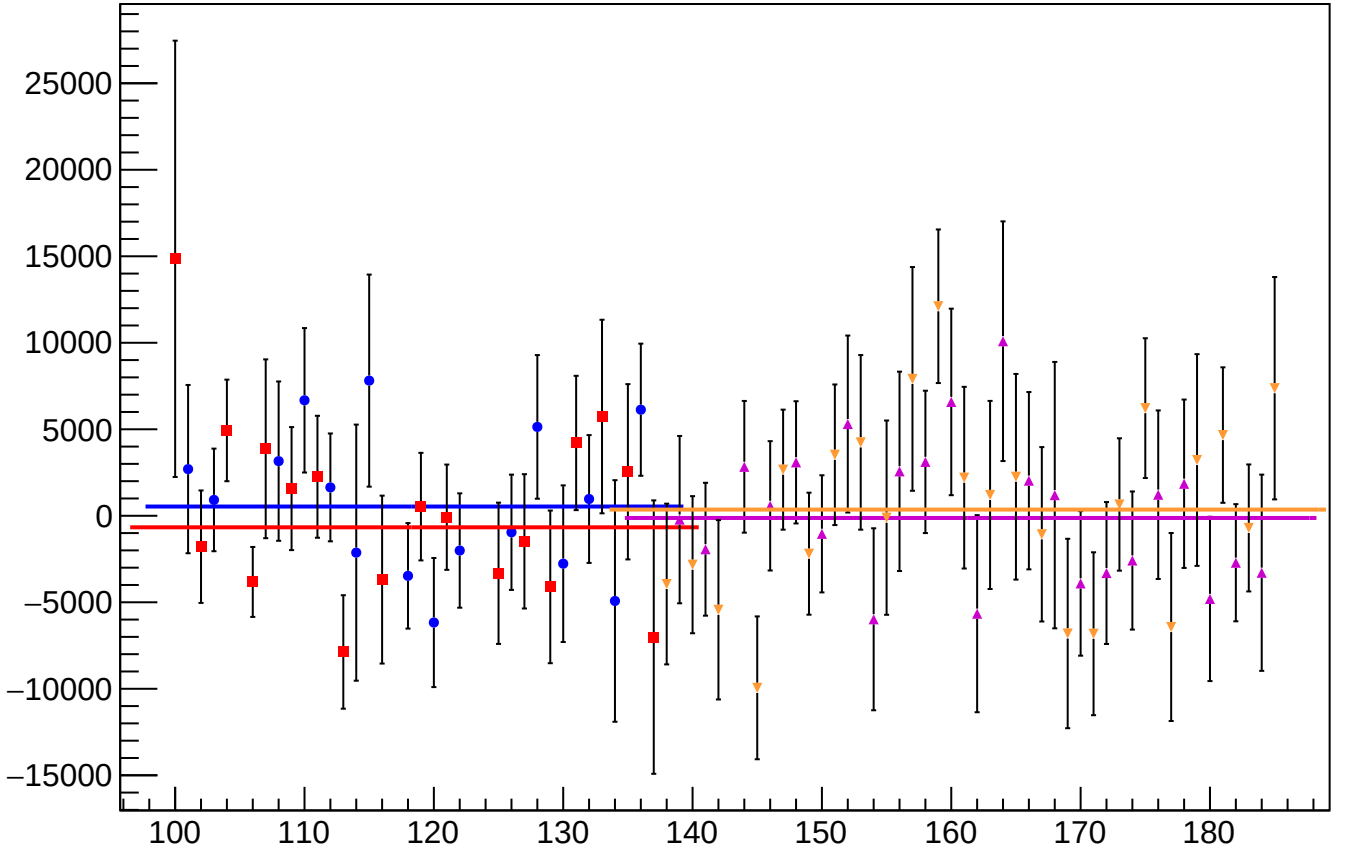
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1007.751+/-0.143 χ^2/NDF: 1519063.1/39

All: 1004.014+/-0.101 χ^2/NDF: 3065067.5/80

- 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: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

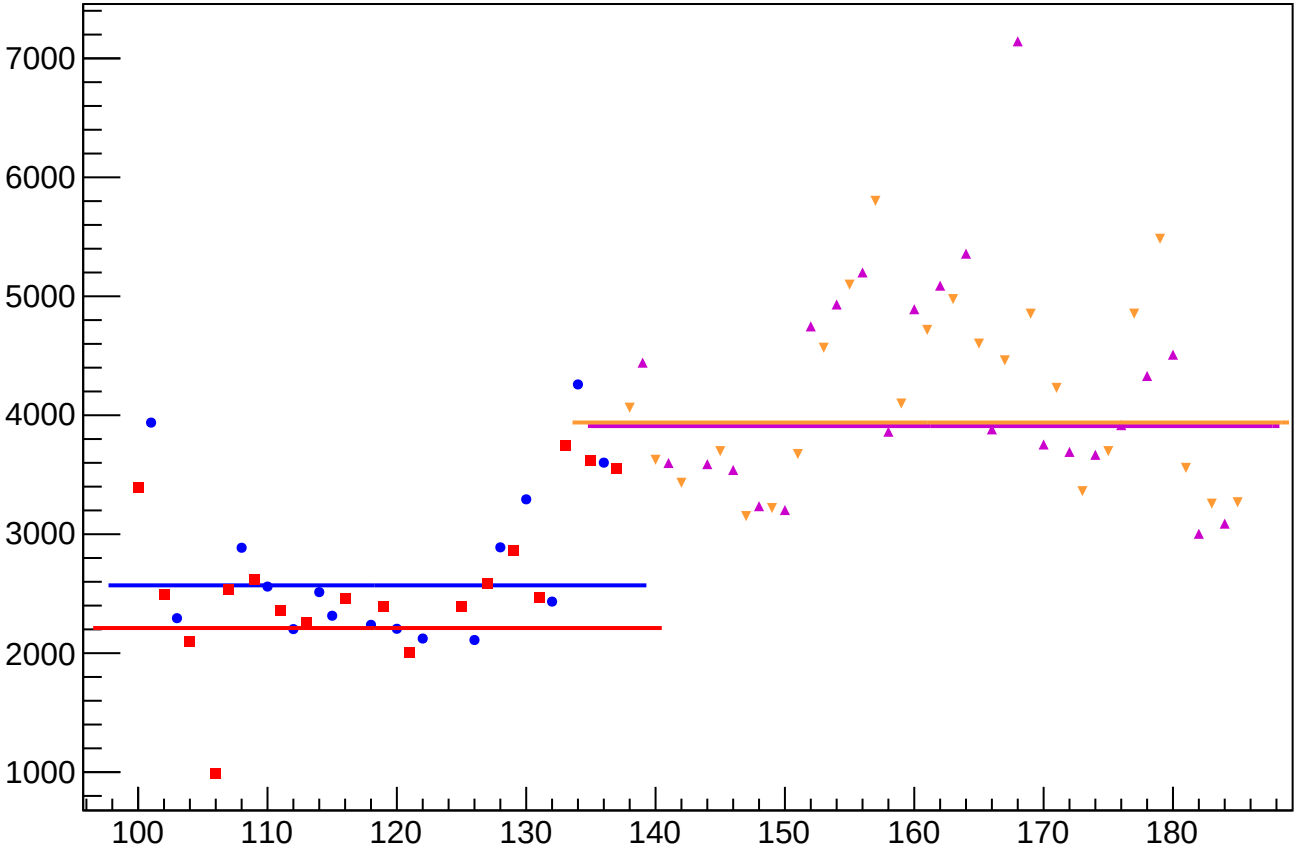
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 441.777+/-676.622 χ^2/NDF: 44.9/39

All: -15.137+/-462.719 χ^2/NDF: 79.7/80

- 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: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

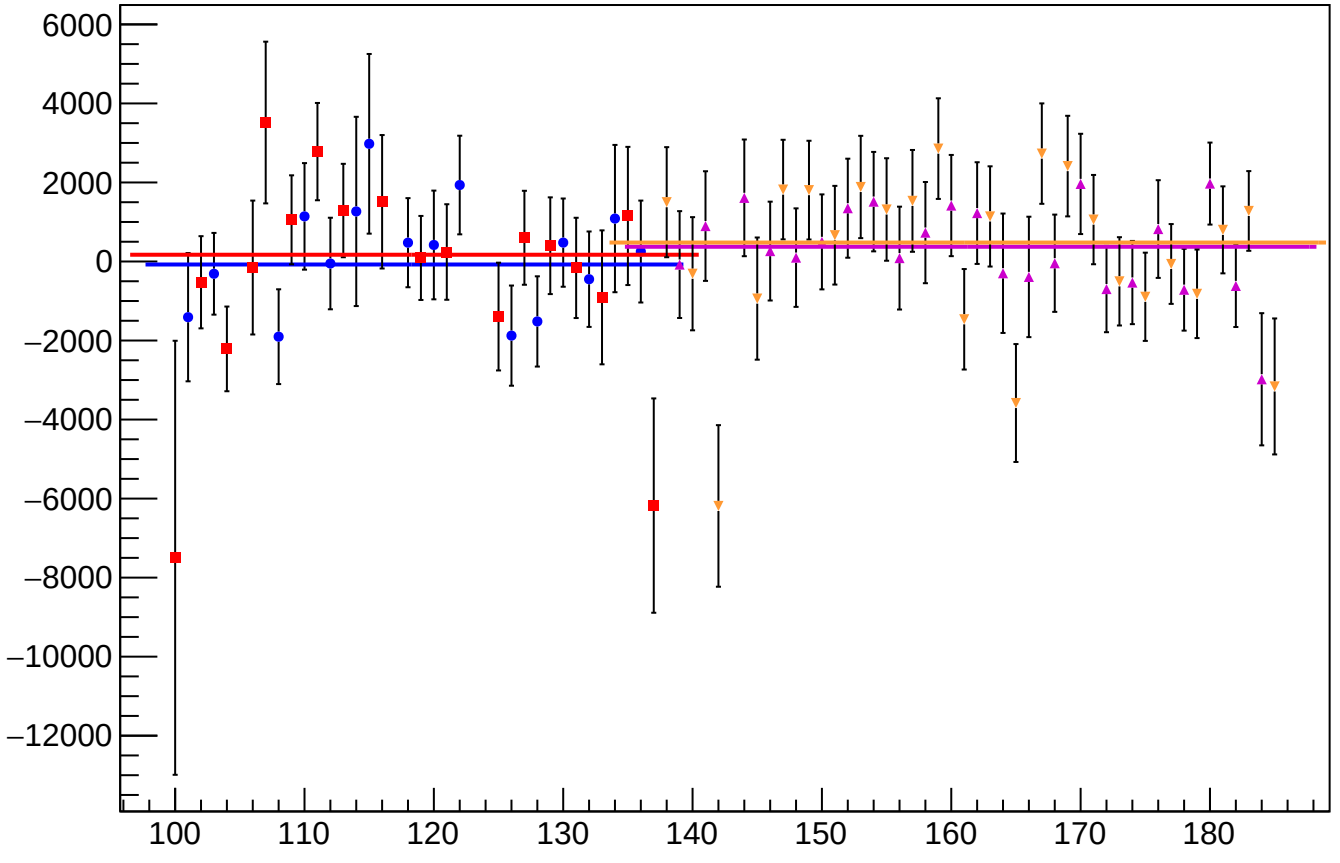
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3288.322+/-0.478 χ^2/NDF: 3797427.4/39

All: 3132.909+/-0.327 χ^2/NDF: 10123841.2/8

- 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: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

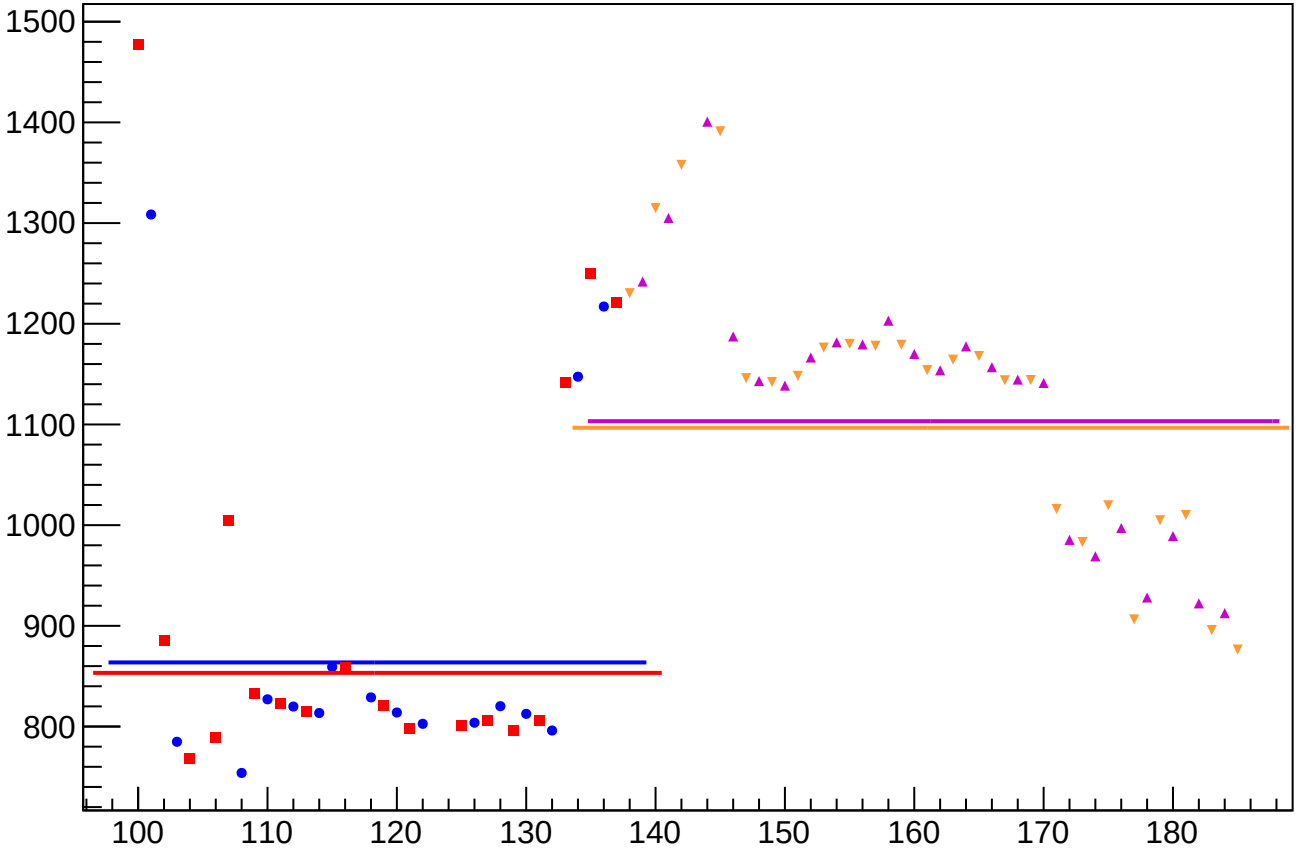
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 267.497+/-201.554 χ^2/NDF: 60.3/39

All: 280.432+/-142.651 χ^2/NDF: 101.0/80

- 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: 1096.711+/-0.181 χ^2/NDF:480498.6/23

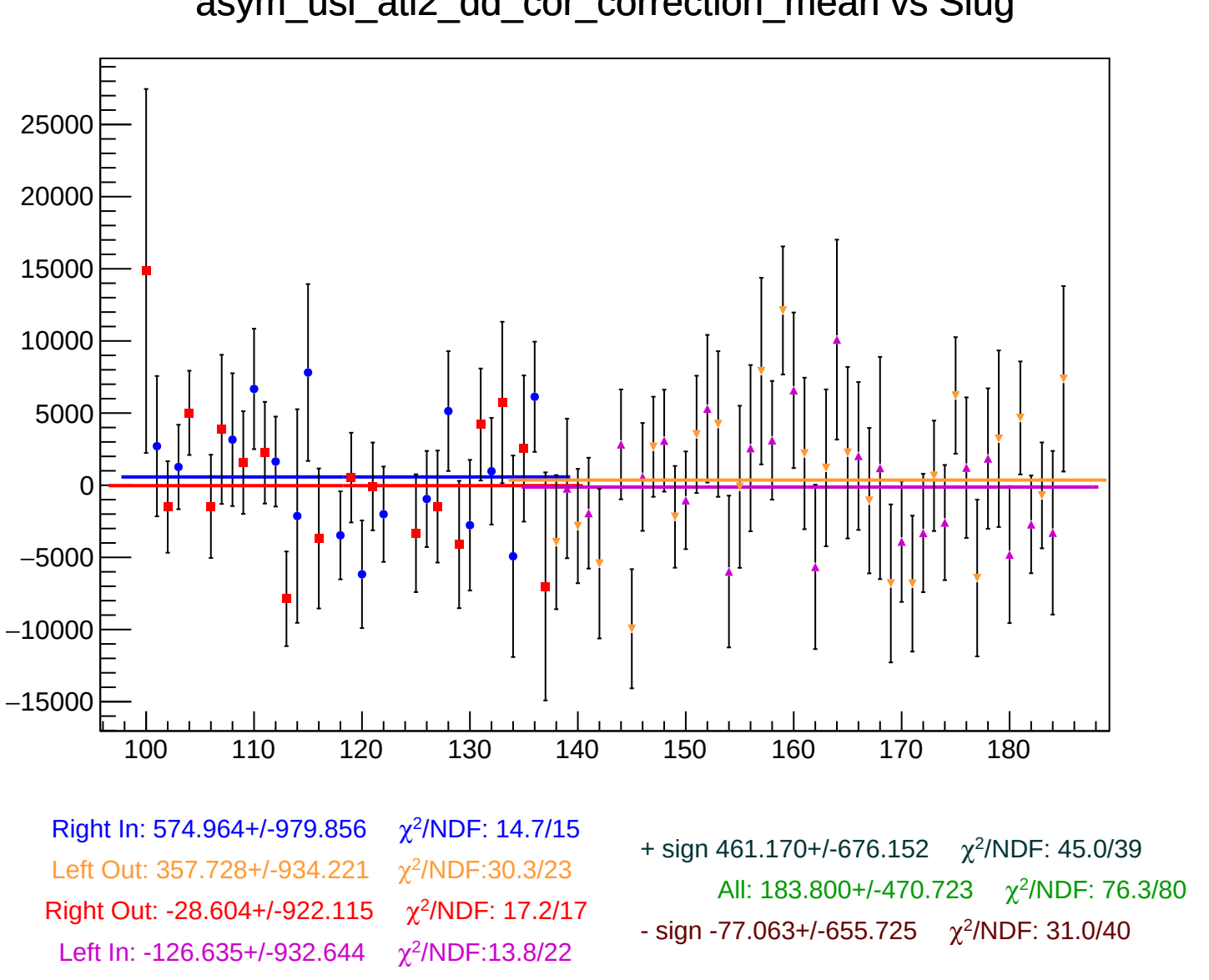
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

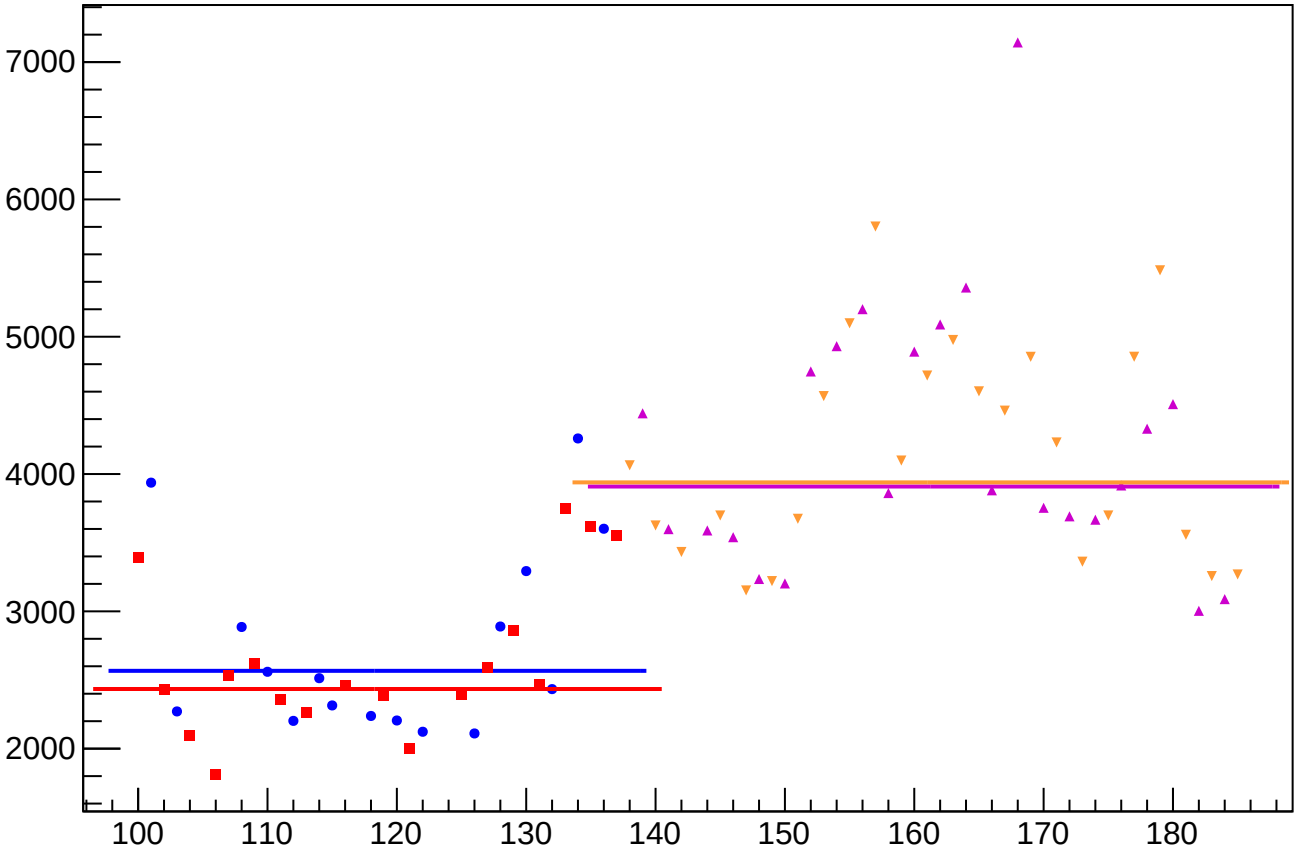
+ sign 1007.751+/-0.143 χ^2/NDF: 1519063.2/39

All: 1006.001+/-0.101 χ^2/NDF: 2978575.2/80

- sign 1004.252+/-0.142 χ^2/NDF: 1459210.6/40


asym_usl_atl2_dd_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: 357.728+/-934.221 χ²/NDF:30.3/23
Right Out: -28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -126.635+/-932.644 χ²/NDF:13.8/22
+ sign 461.170+/-676.152 χ²/NDF: 45.0/39
All: 183.800+/-470.723 χ²/NDF: 76.3/80
- sign -77.063+/-655.725 χ²/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: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

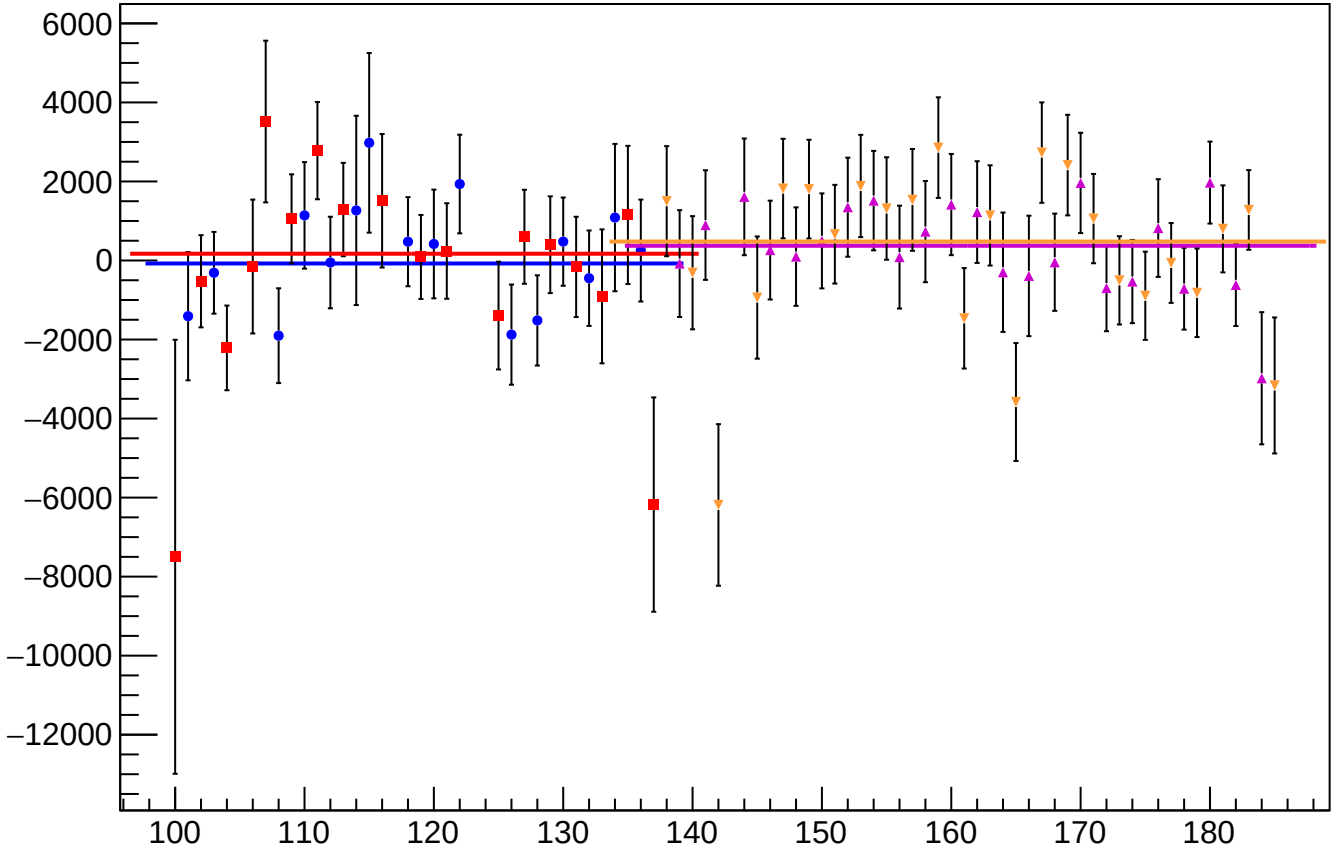
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3285.704+/-0.478 χ^2/NDF: 3814136.6/39

All: 3222.681+/-0.333 χ^2/NDF: 8111296.8/80

- 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: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

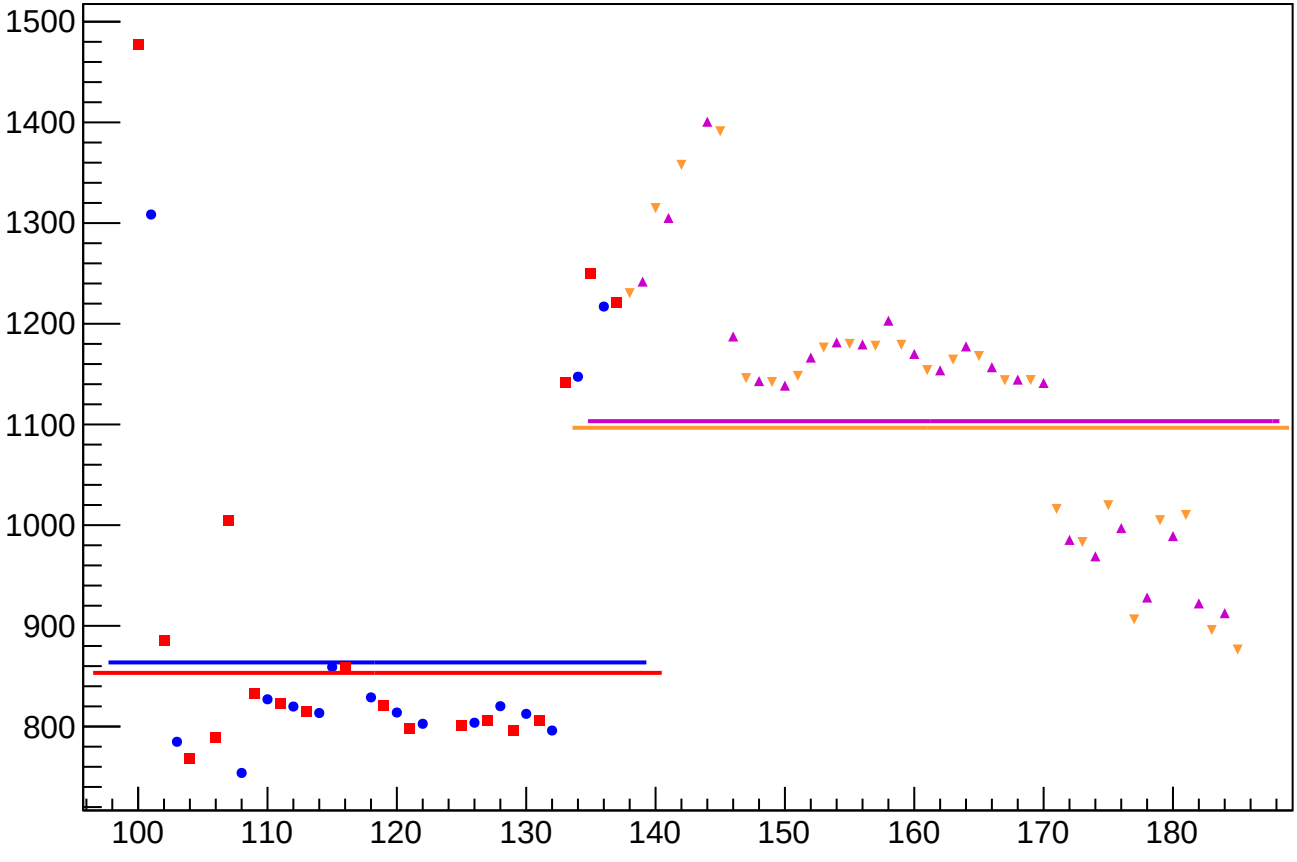
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 267.497+/-201.554 χ^2/NDF: 60.3/39

All: 280.432+/-142.651 χ^2/NDF: 101.0/80

- 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: 1096.711+/-0.181 χ^2/NDF:480498.6/23

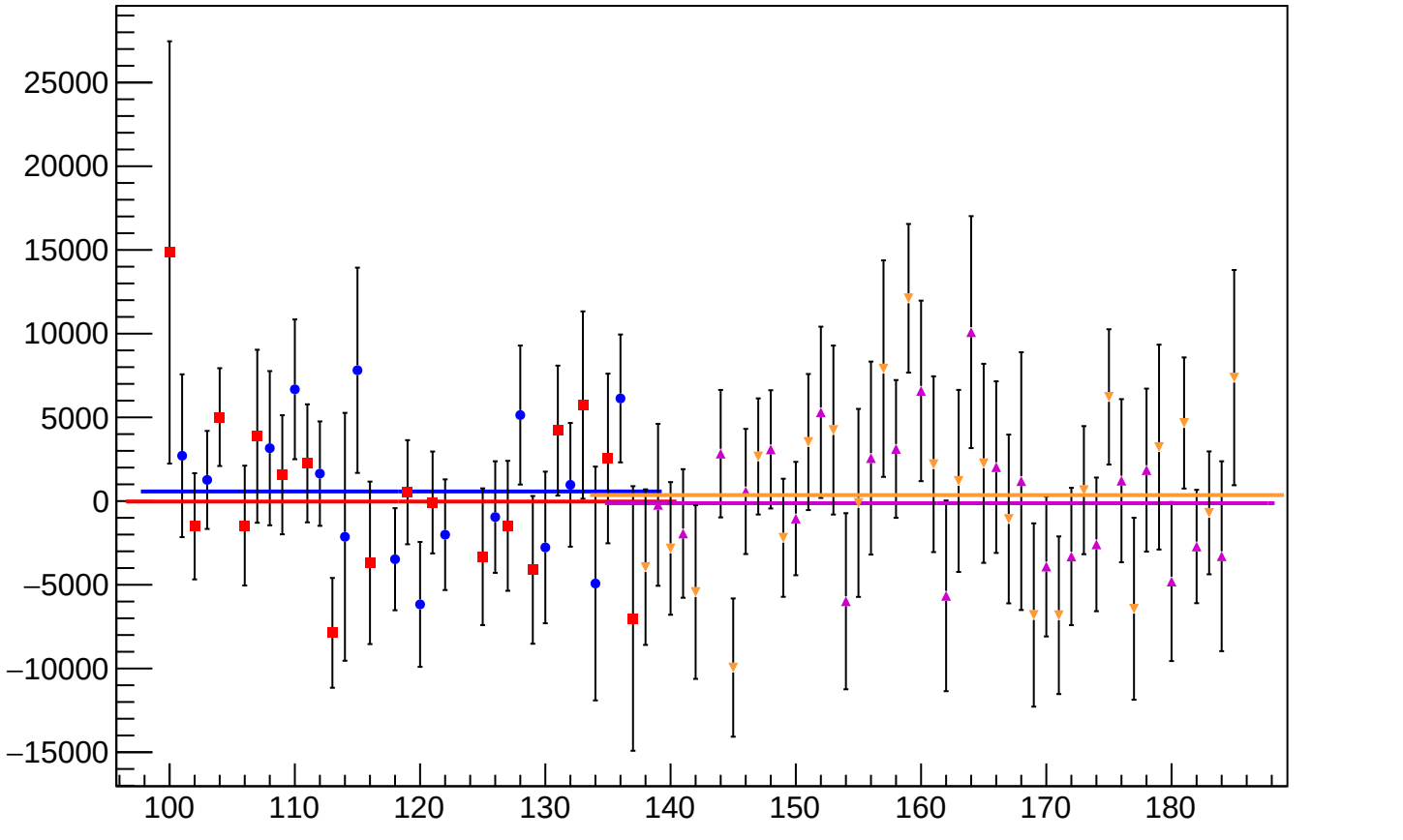
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1007.751+/-0.143 χ^2/NDF: 1519063.2/39

All: 1006.001+/-0.101 χ^2/NDF: 2978575.2/80

- 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: 357.728+/-934.221 χ^2/NDF:30.3/23

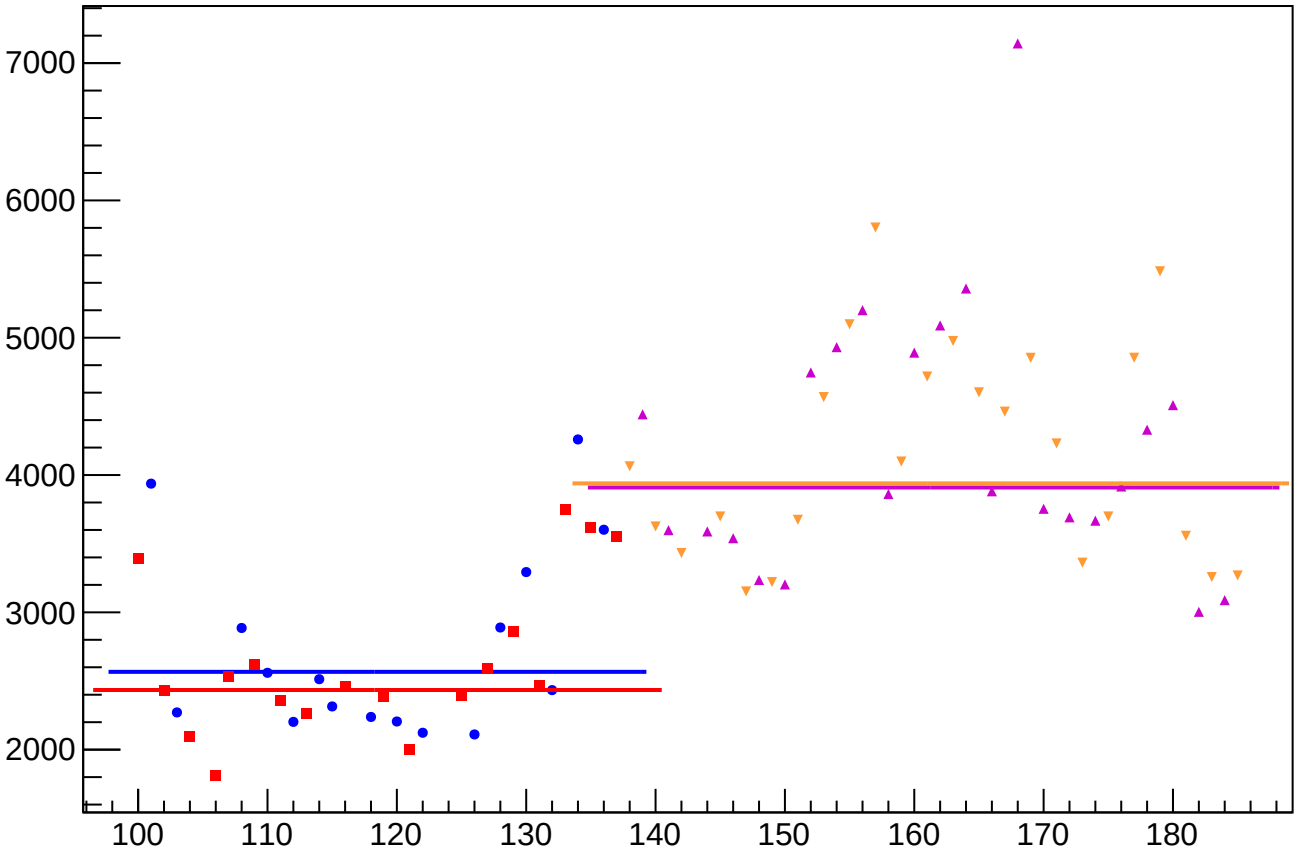
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 461.170+/-676.152 χ^2/NDF: 45.0/39

All: 183.800+/-470.723 χ^2/NDF: 76.3/80

- 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: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

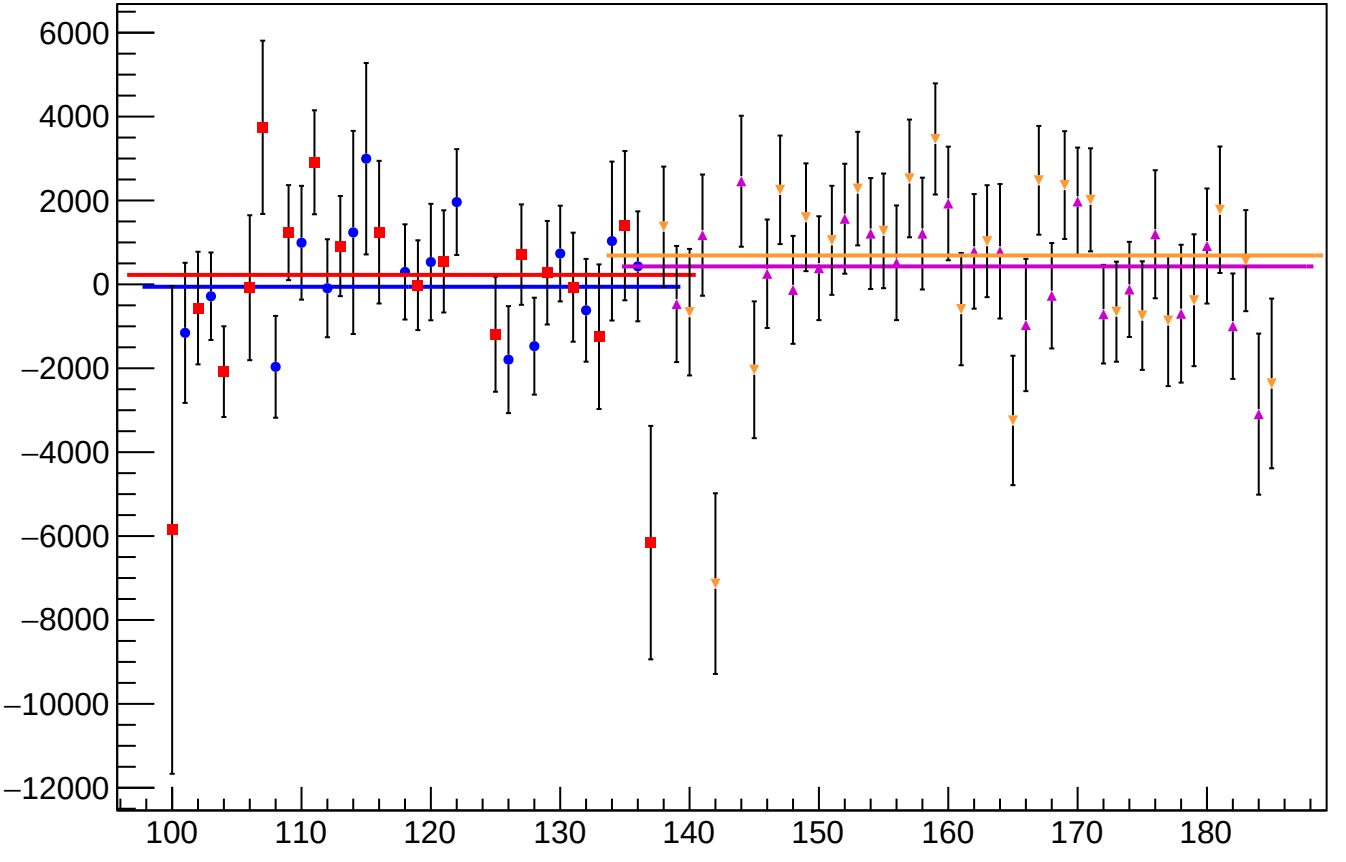
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3285.704+/-0.478 χ^2/NDF: 3814136.6/39

All: 3222.681+/-0.333 χ^2/NDF: 8111296.8/80

- 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: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

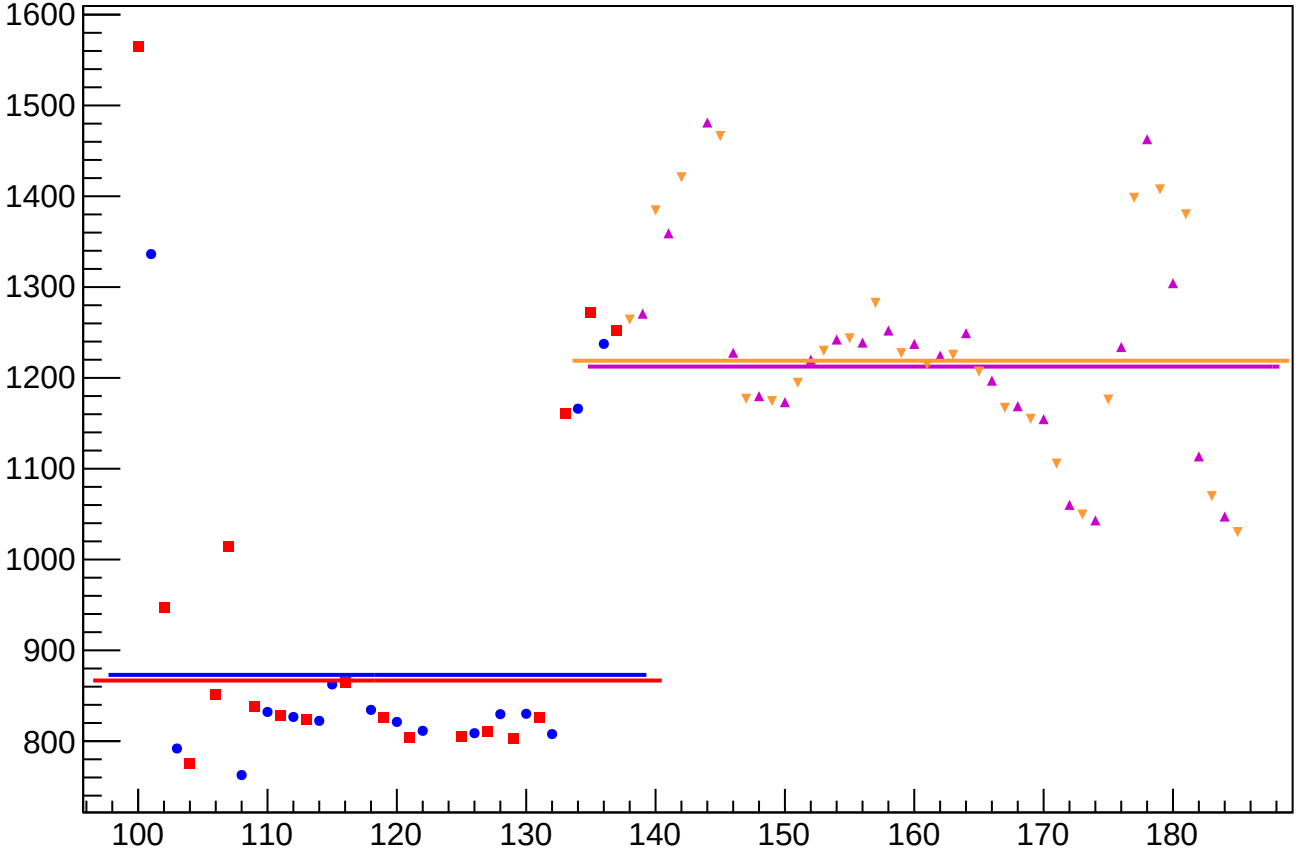
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 371.138+/-215.453 χ^2/NDF: 61.7/39

All: 356.228+/-152.148 χ^2/NDF: 99.4/80

- 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: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

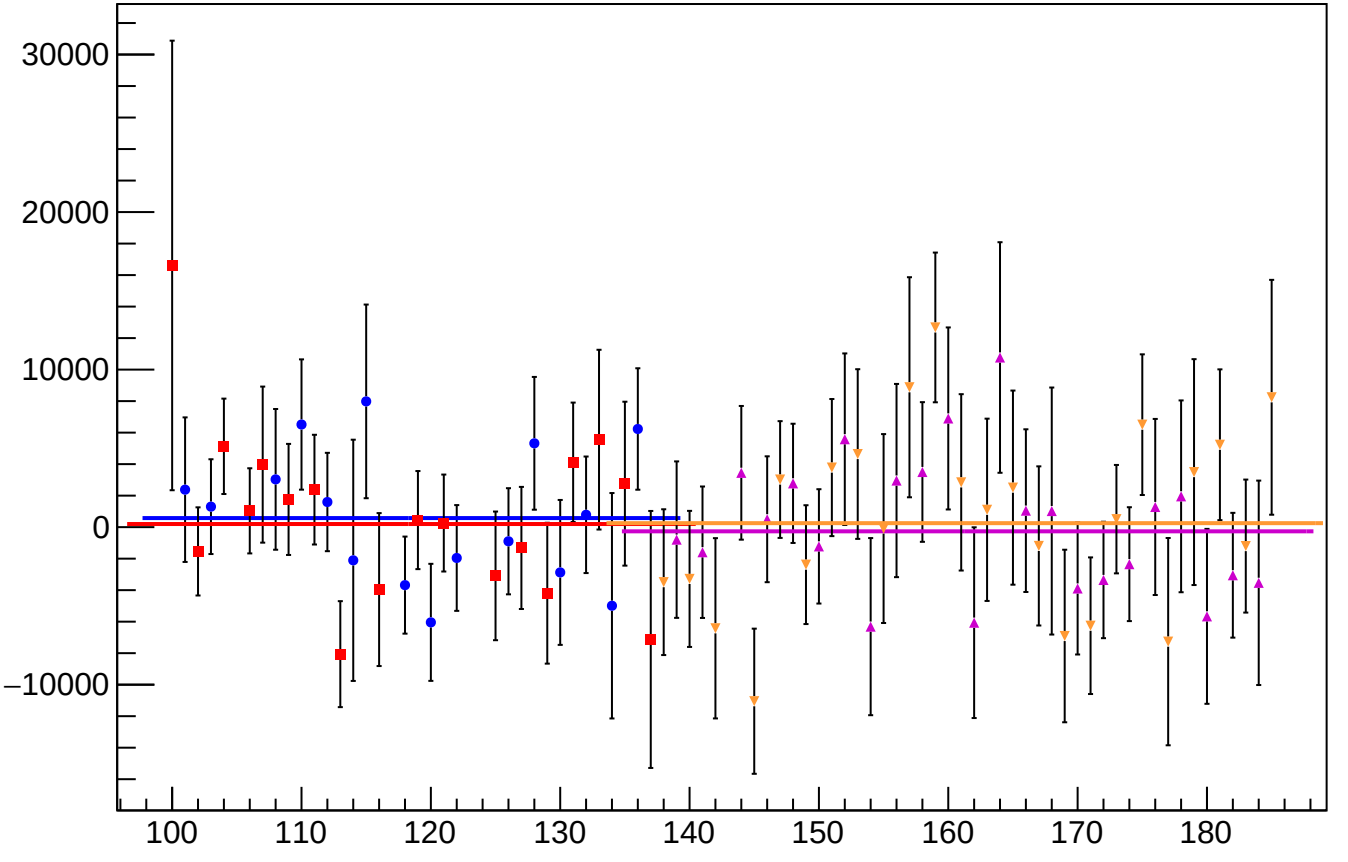
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1071.538+/-0.152 χ^2/NDF: 1971924.1/39

All: 1067.744+/-0.108 χ^2/NDF: 3793093.0/80

- sign 1063.974+/-0.152 χ^2/NDF: 1819932.7/40

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

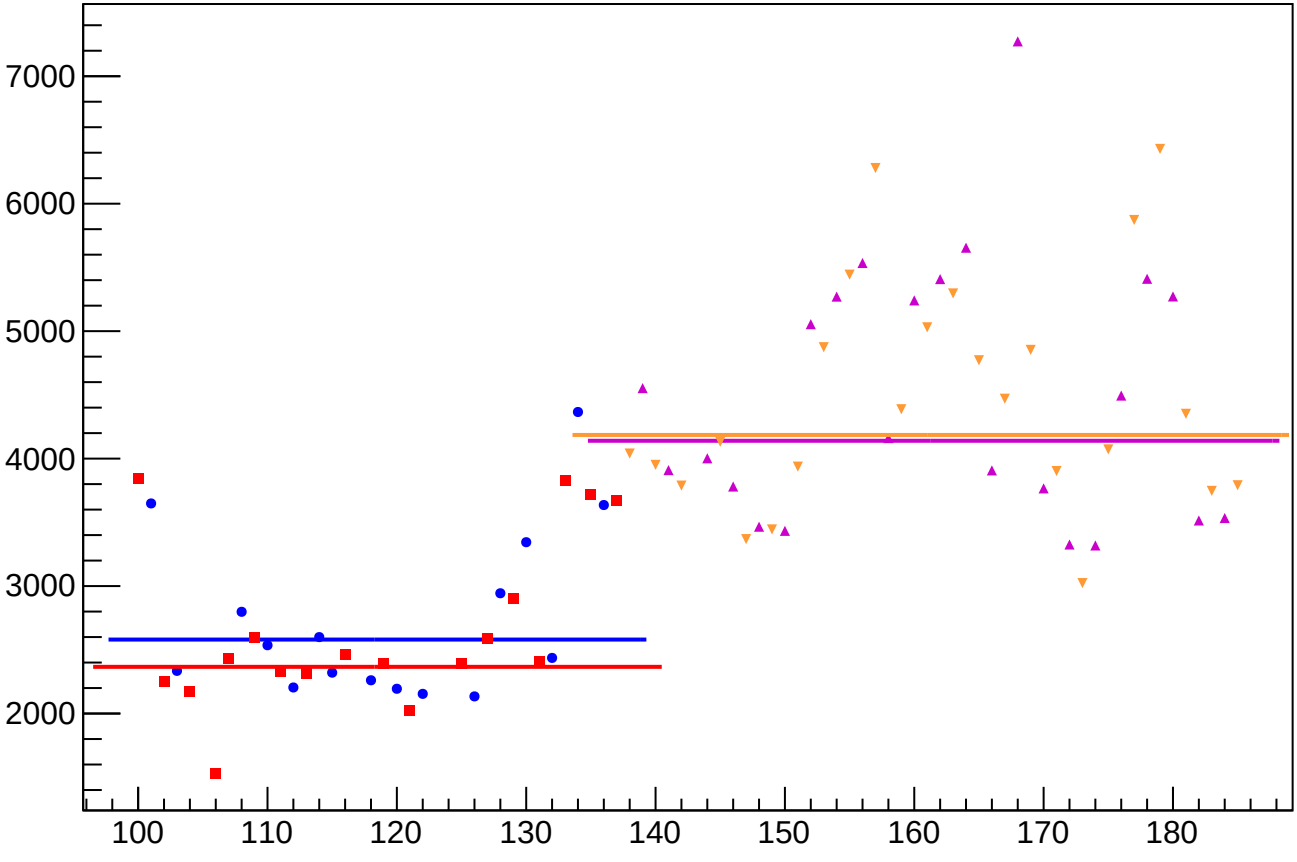
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 415.708+/-700.021 χ^2/NDF: 44.4/39

All: 191.190+/-481.589 χ^2/NDF: 75.4/80

- sign -10.561+/-663.579 χ^2/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: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

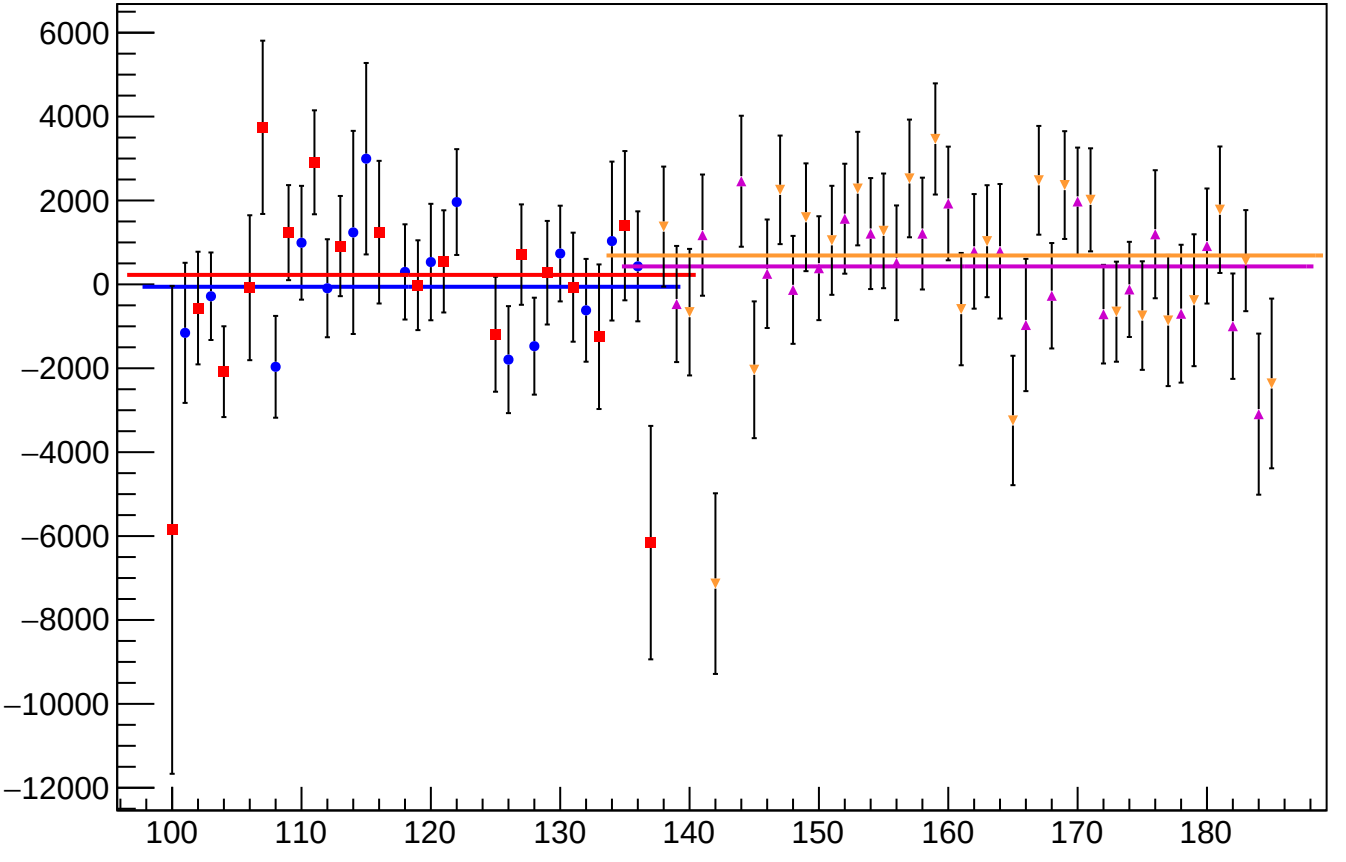
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3374.697+/-0.495 χ^2/NDF: 4517476.6/39

All: 3263.266+/-0.341 χ^2/NDF: 10210477.4/8

- 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: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

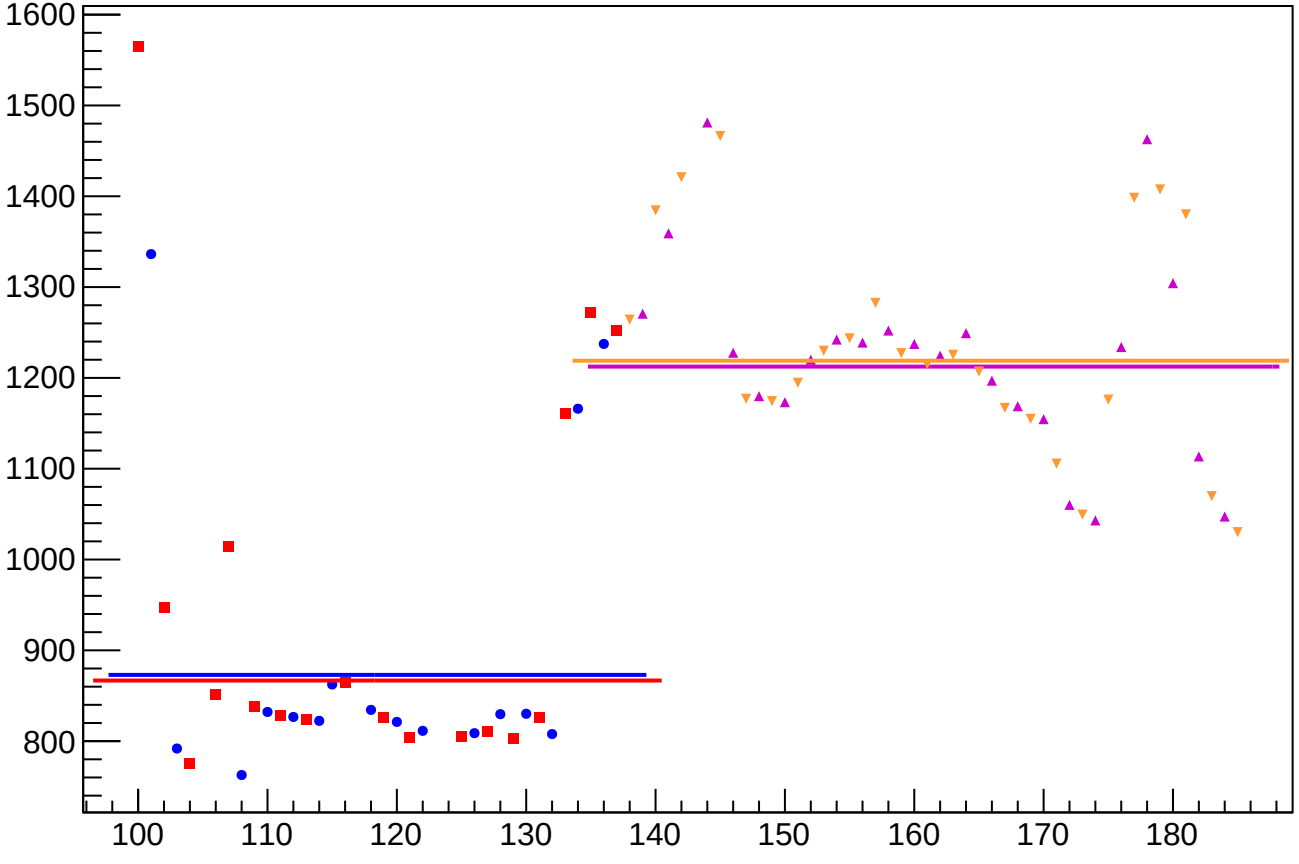
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

\+ sign 371.138+/-215.453 χ^2/NDF: 61.7/39

All: 356.228+/-152.148 χ^2/NDF: 99.4/80

\- 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: 1218.929+/-0.201 χ^2/NDF:293885.7/23

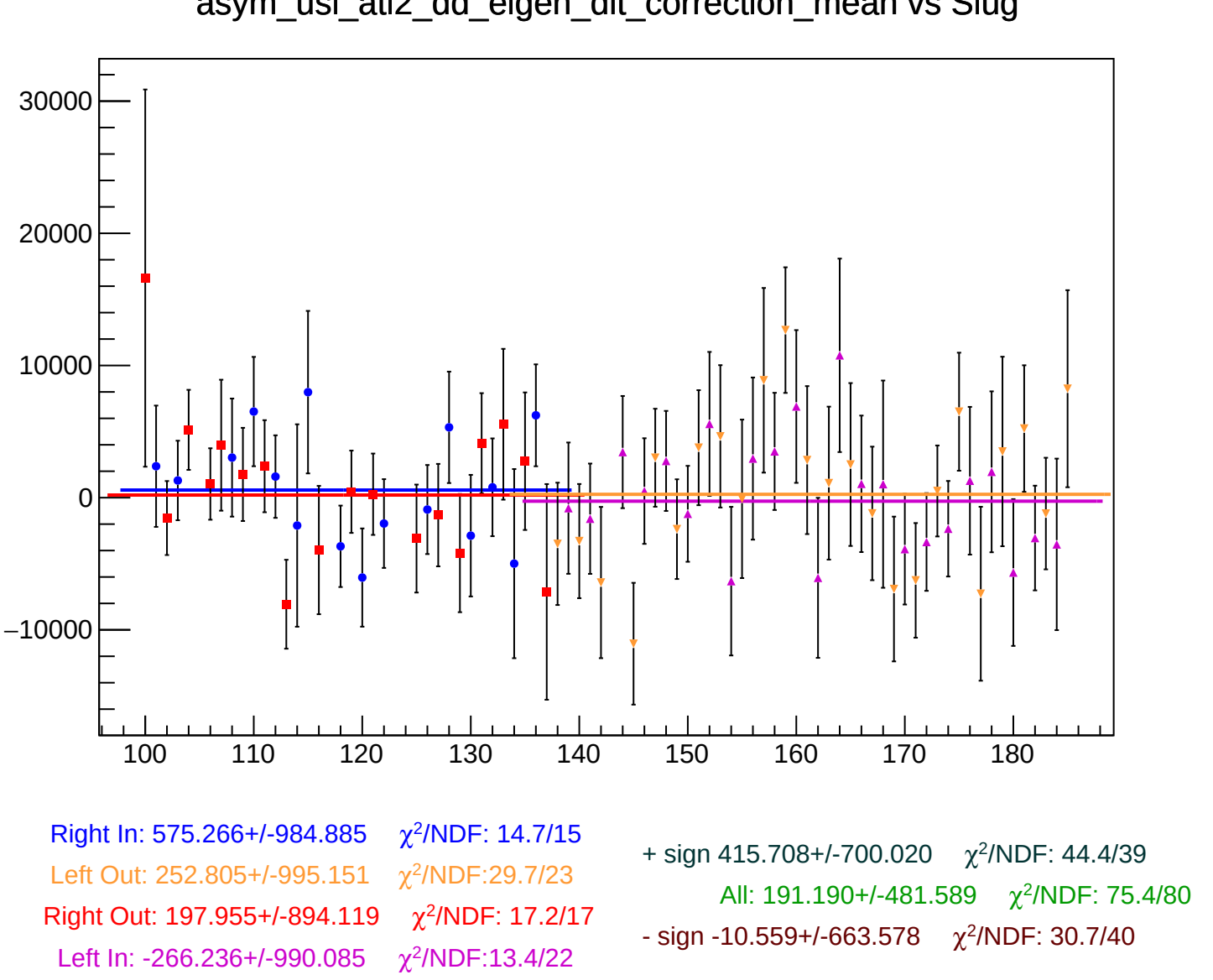
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

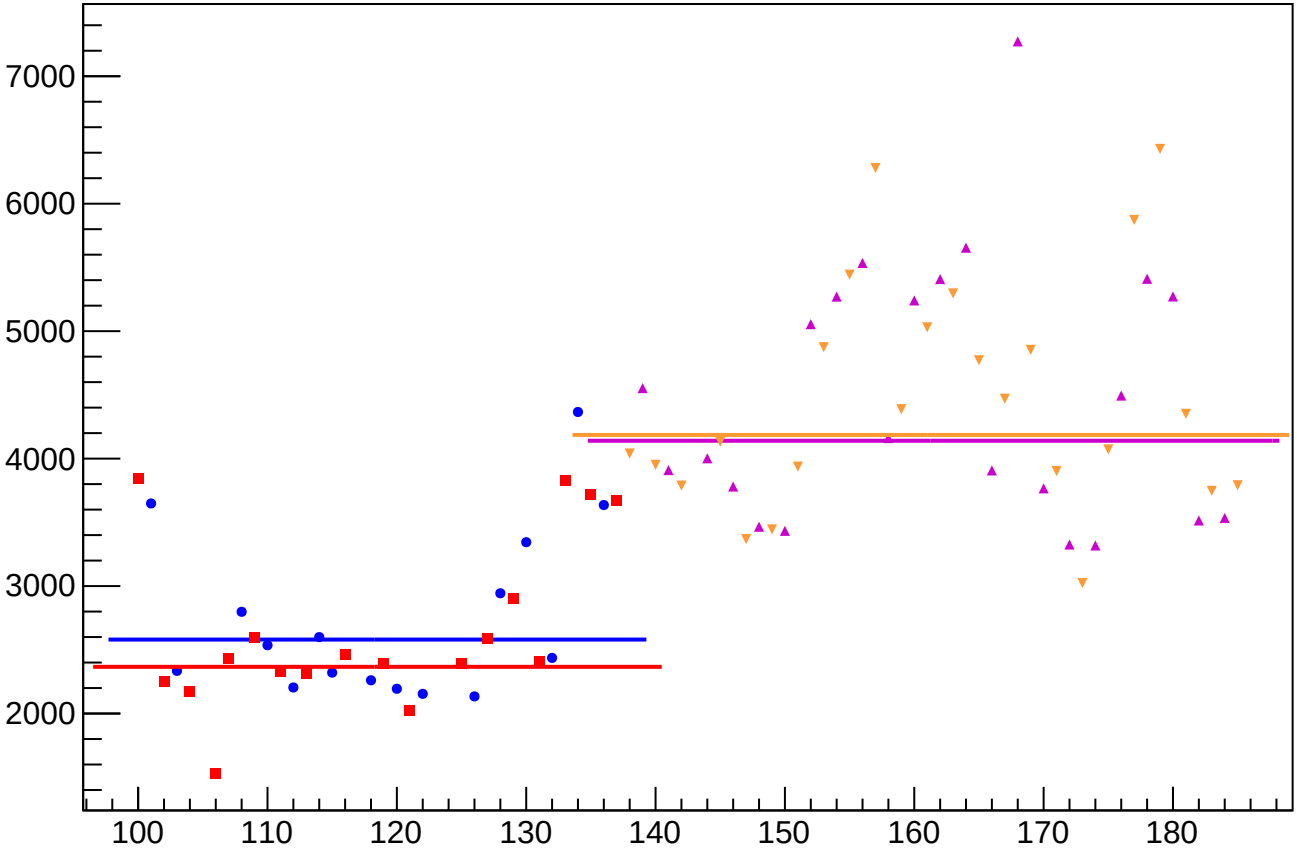
+ sign 1071.538+/-0.152 χ^2/NDF: 1971940.7/39

All: 1067.745+/-0.108 χ^2/NDF: 3793126.3/80

- 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: 252.805+/-995.151 χ²/NDF:29.7/23
Right Out: 197.955+/-894.119 χ²/NDF: 17.2/17
Left In: -266.236+/-990.085 χ²/NDF:13.4/22
+ sign 415.708+/-700.020 χ²/NDF: 44.4/39
All: 191.190+/-481.589 χ²/NDF: 75.4/80
- 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: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

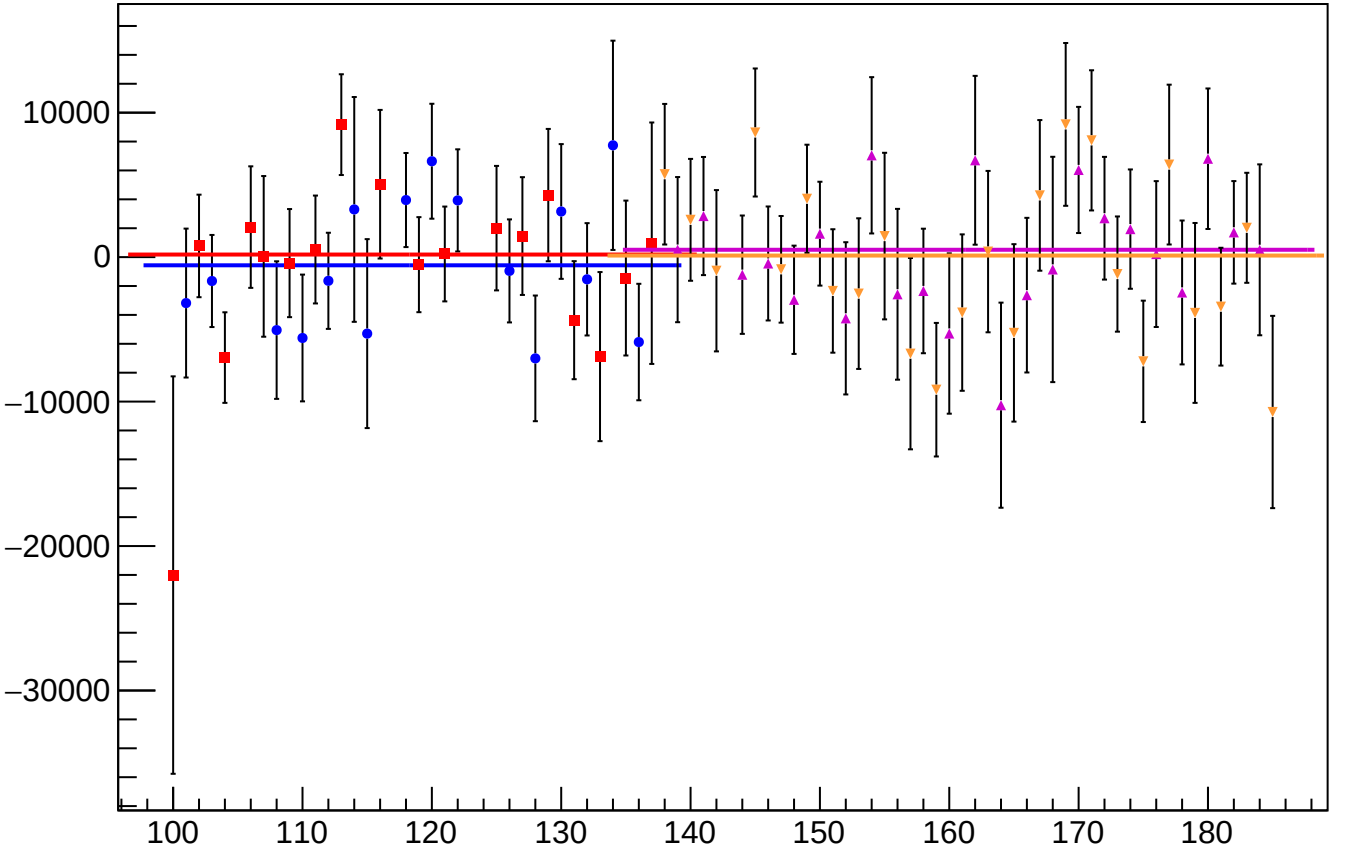
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3374.693+/-0.495 χ^2/NDF: 4517539.4/39

All: 3263.262+/-0.341 χ^2/NDF: 10210603.4/8

- 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: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

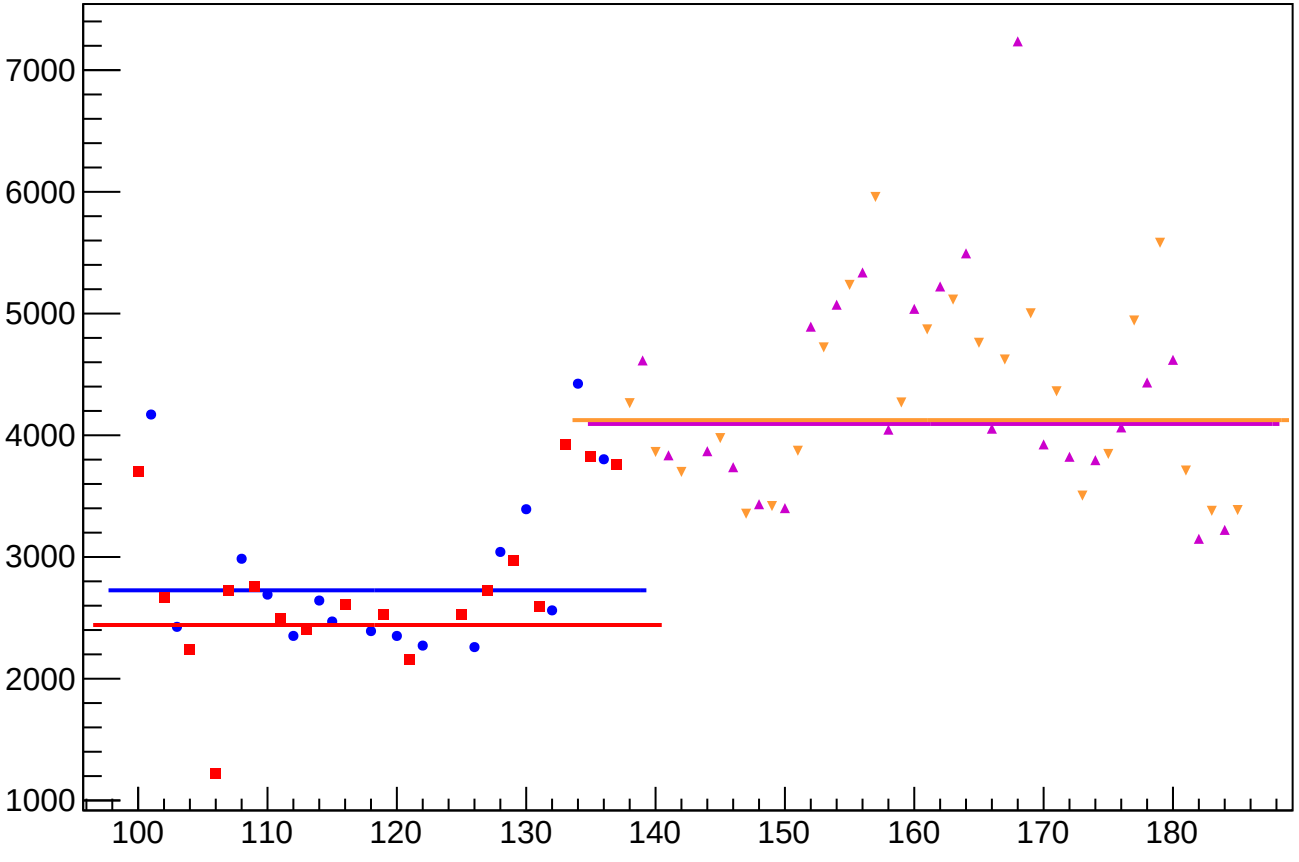
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -206.917+/-711.631 χ^2/NDF: 44.5/39

All: 76.651+/-496.781 χ^2/NDF: 77.9/80

- 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: 4124.485+/-0.690 χ^2/NDF:969929.3/23

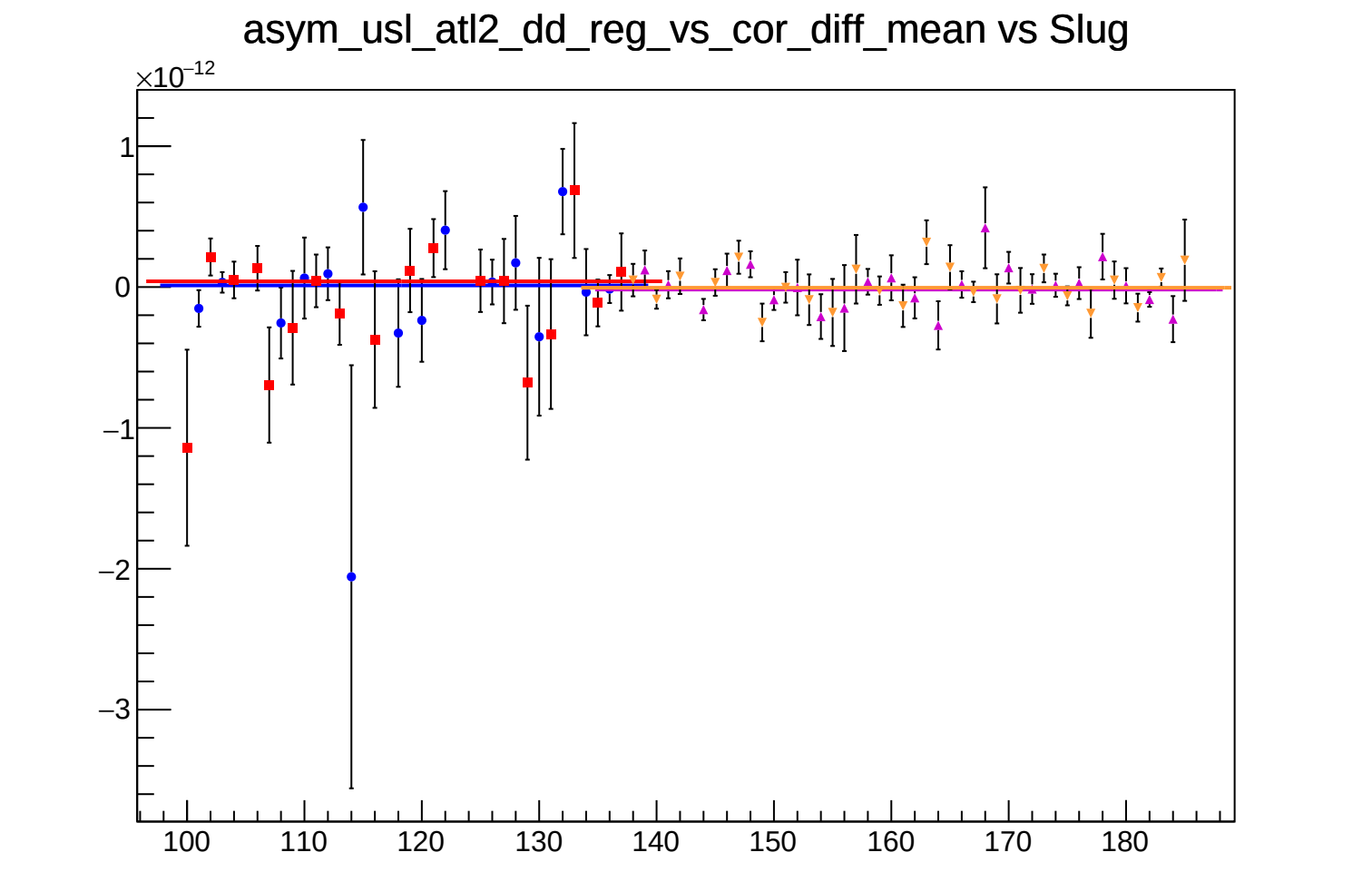
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3470.198+/-0.503 χ^2/NDF: 3515400.4/39

All: 3349.750+/-0.347 χ^2/NDF: 8646187.4/80

- 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:24.2/23

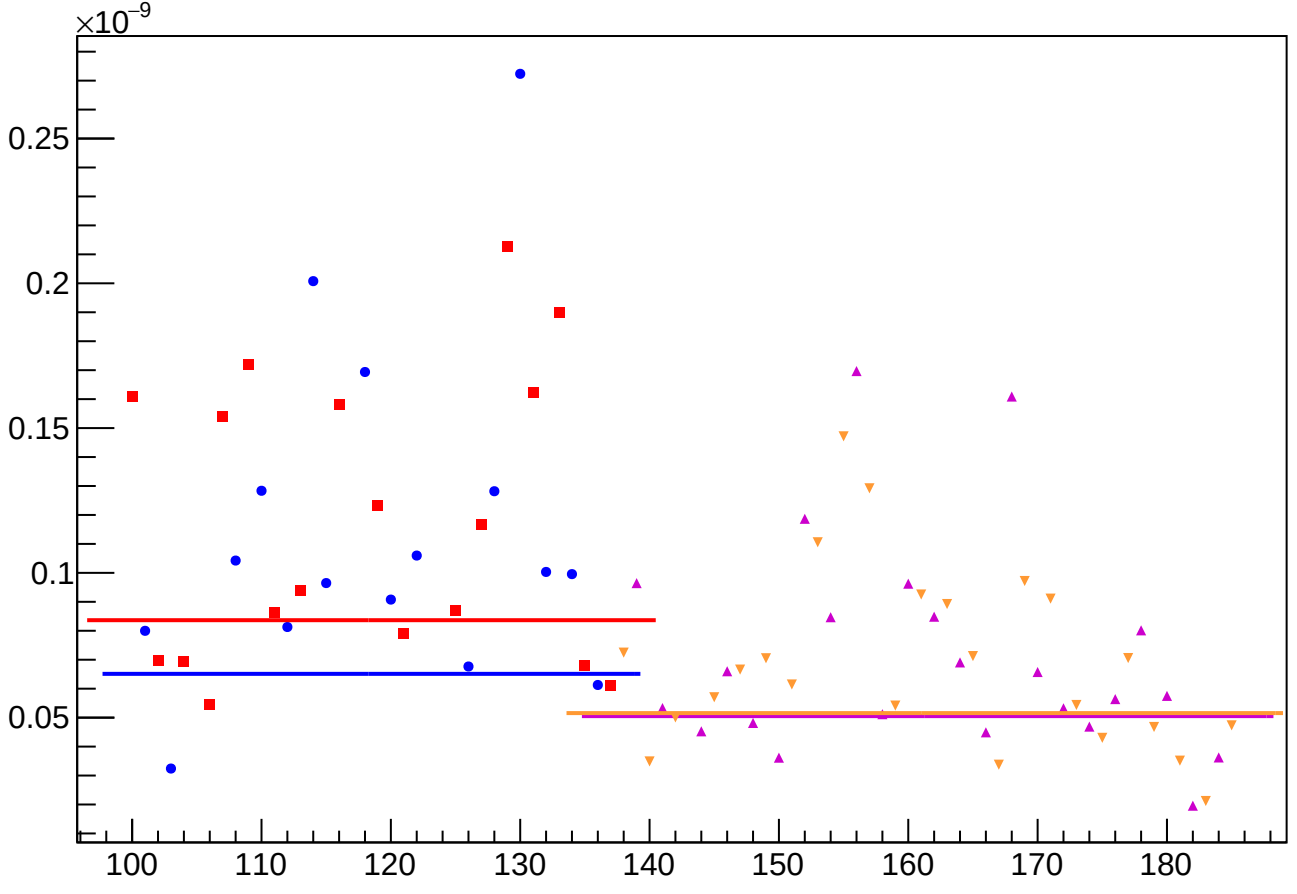
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

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

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/39

All: -0.000+/-0.000 χ^2/NDF: 83.4/80

- 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:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

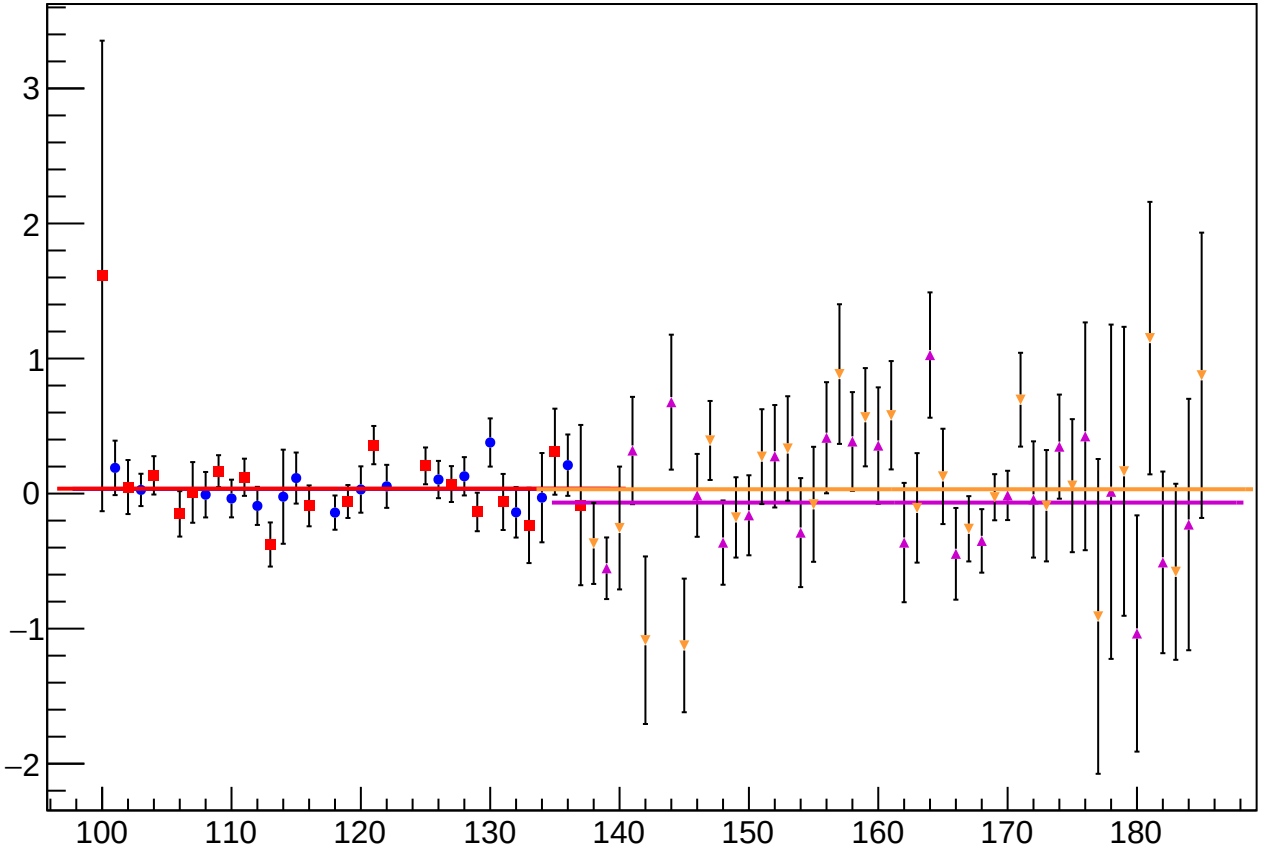
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3642860.9/39

All: 0.000+/-0.000 χ^2/NDF: 7429828.0/80

- 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: 0.032+/-0.076 χ^2/NDF:29.7/23

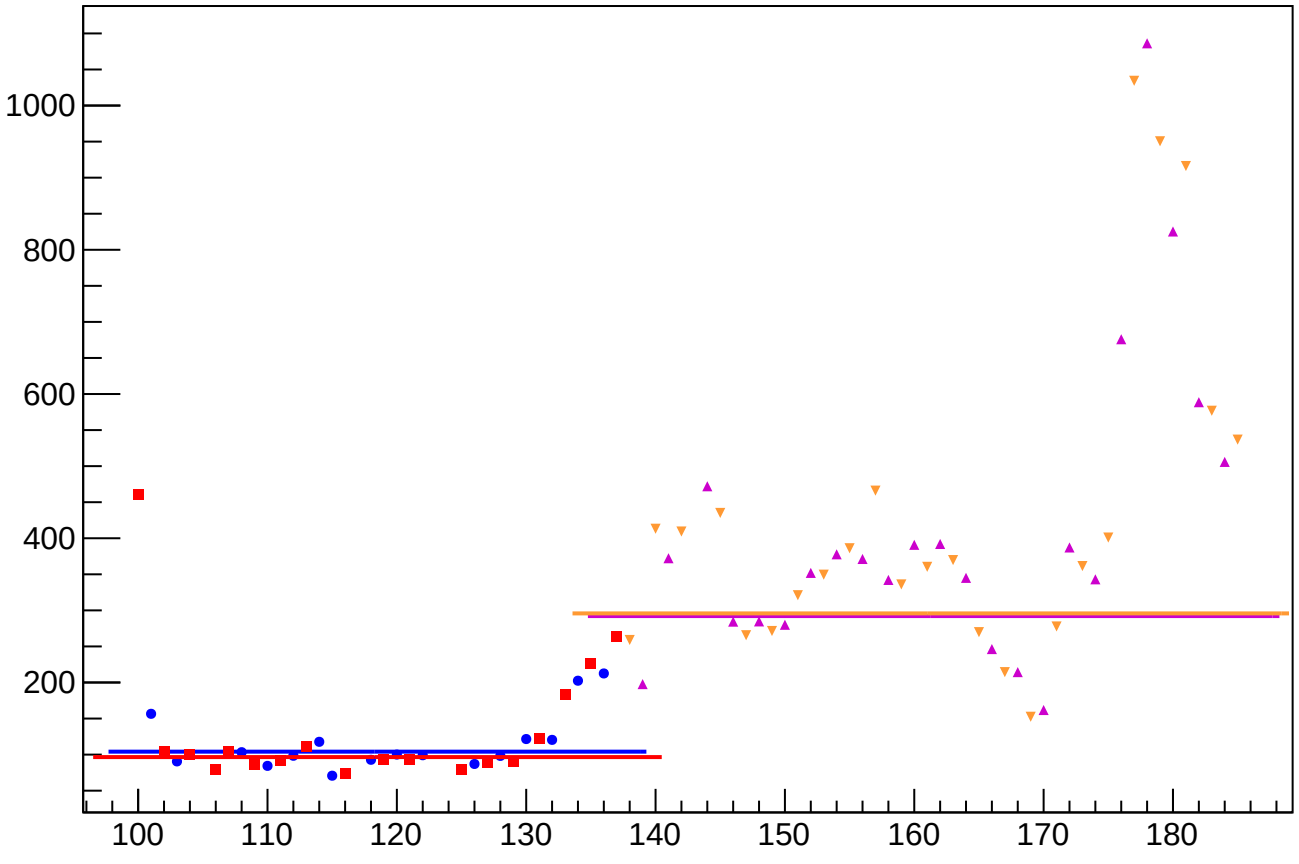
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.034+/-0.036 χ^2/NDF: 39.5/39

All: 0.024+/-0.025 χ^2/NDF: 88.9/80

- sign 0.014+/-0.035 χ^2/NDF: 49.2/40



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

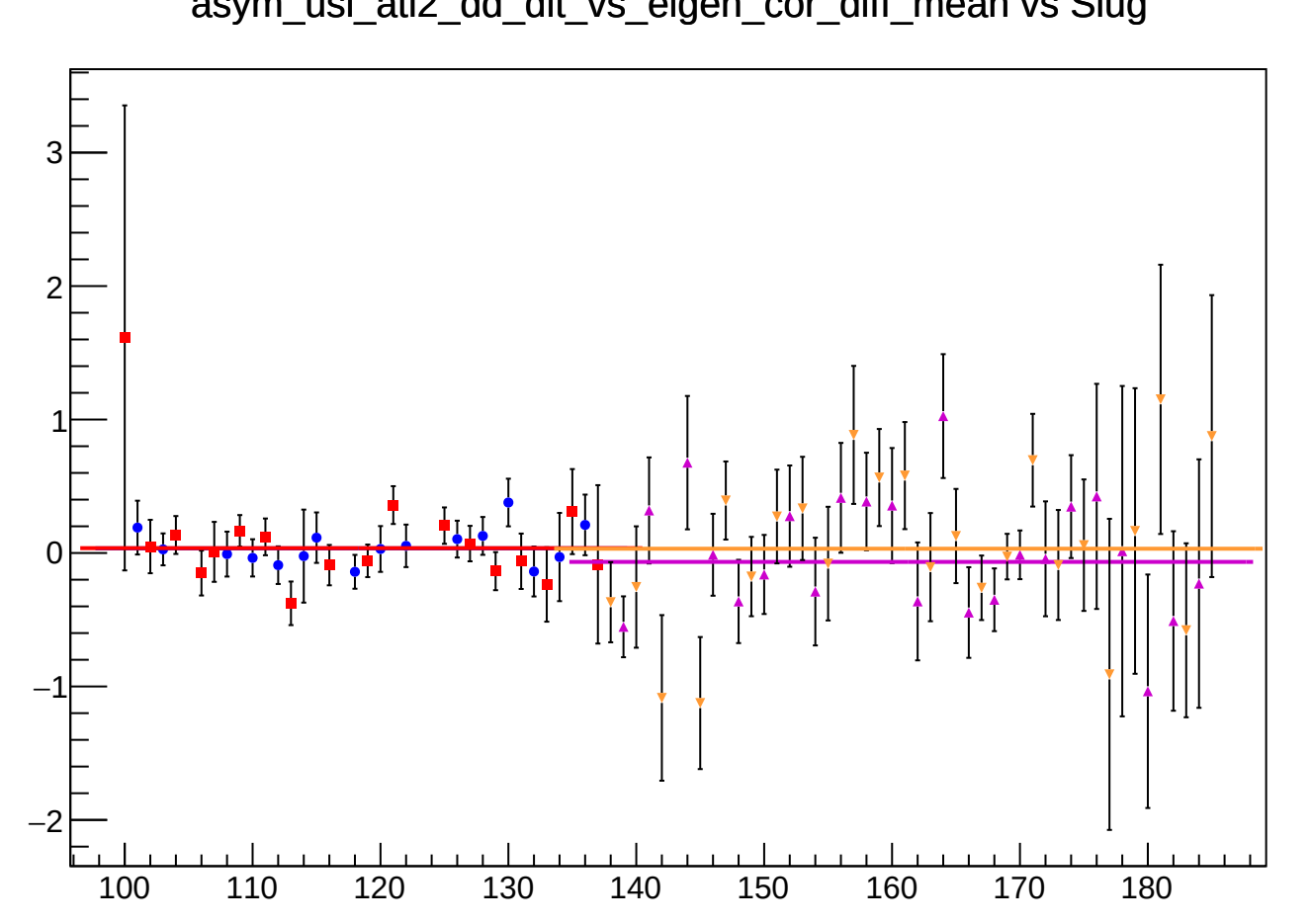
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

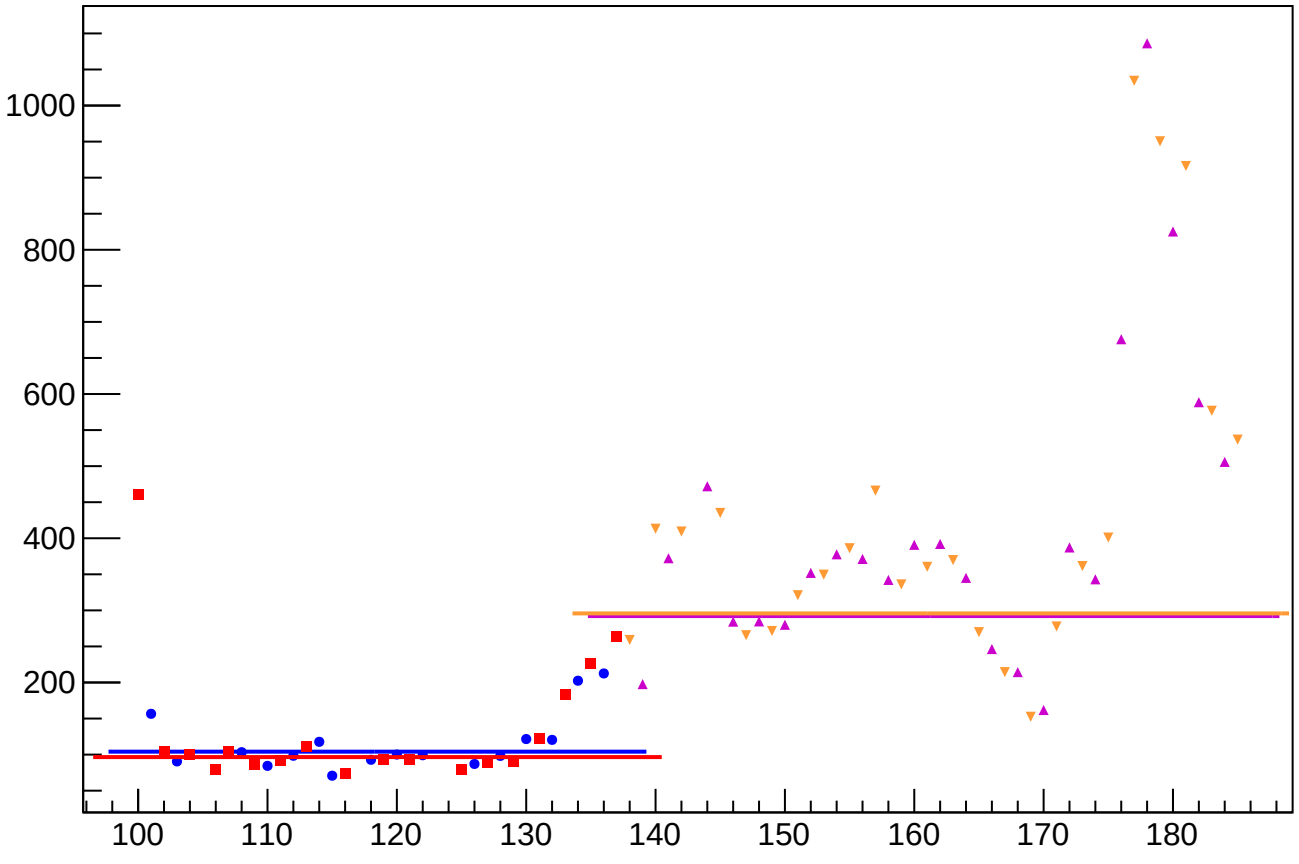
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.359+/-0.026 χ^2/NDF: 16342714.2/39

All: 142.605+/-0.018 χ^2/NDF: 33195552.6/80

- sign 138.263+/-0.024 χ^2/NDF: 16786498.2/40


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.034+/-0.036 χ²/NDF: 39.5/39
All: 0.024+/-0.025 χ²/NDF: 88.9/80
- sign 0.014+/-0.035 χ²/NDF: 49.2/40



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

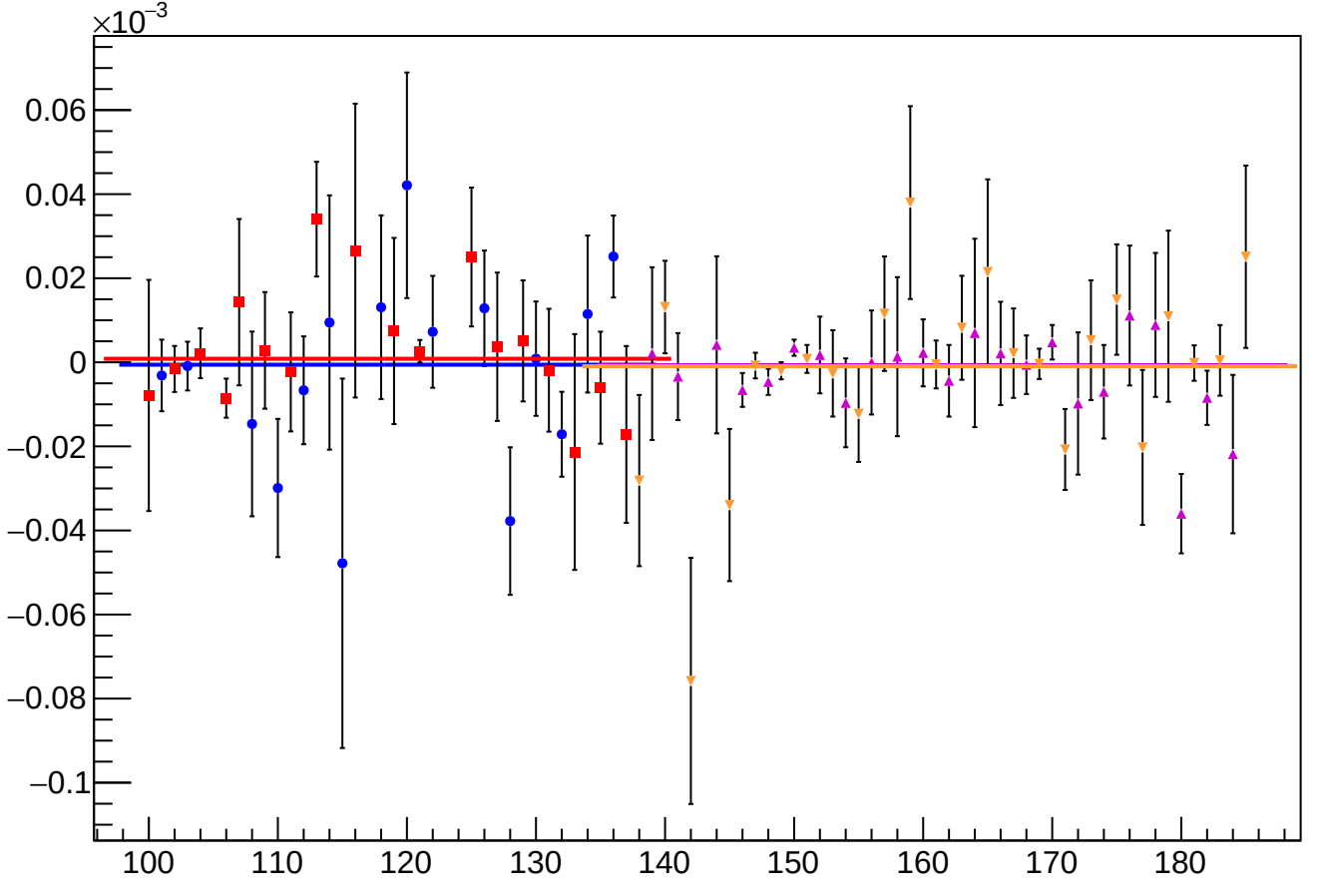
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.359+/-0.026 χ^2/NDF: 16342714.2/39

All: 142.605+/-0.018 χ^2/NDF: 33195552.6/80

- sign 138.263+/-0.024 χ^2/NDF: 16786498.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

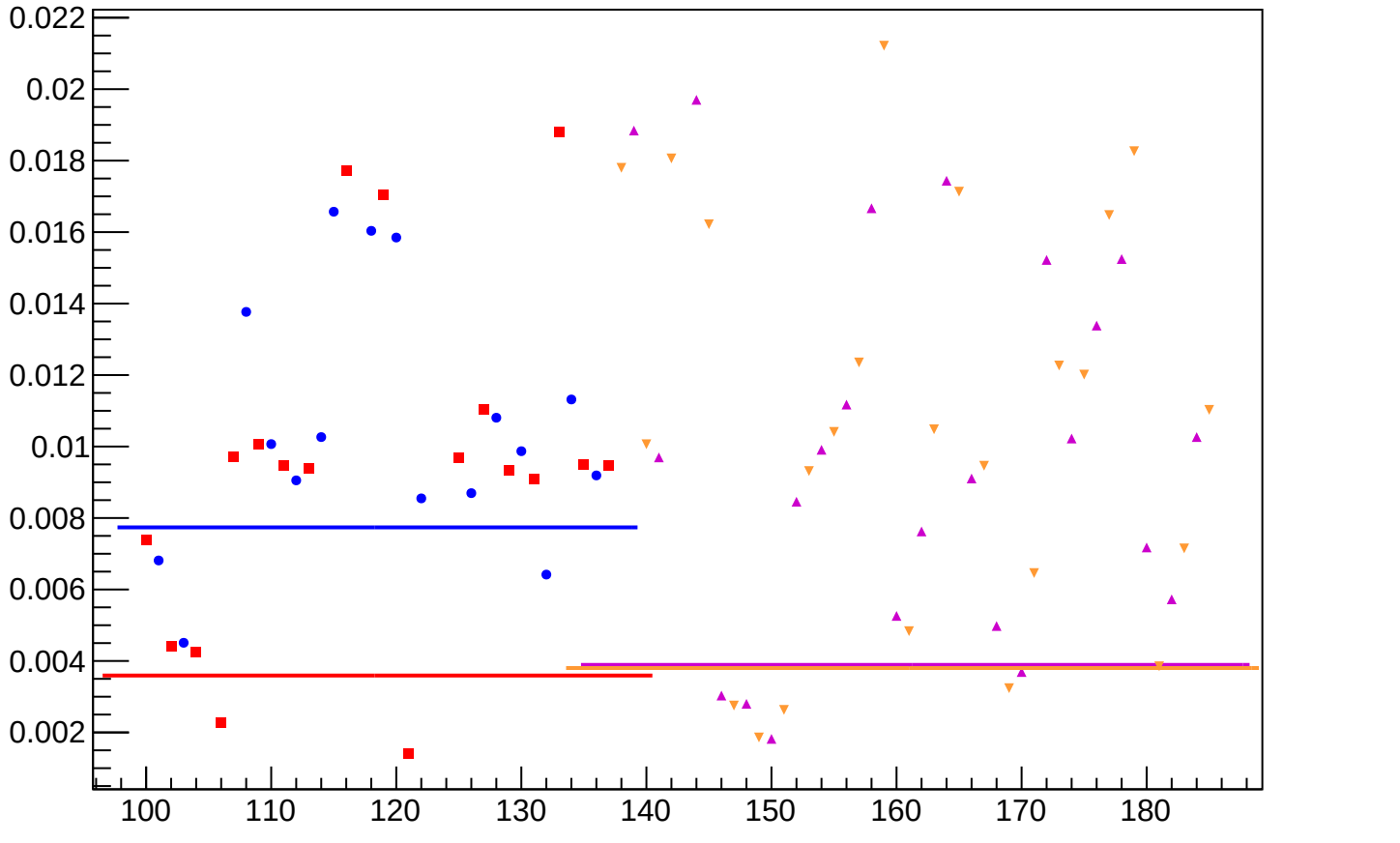
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

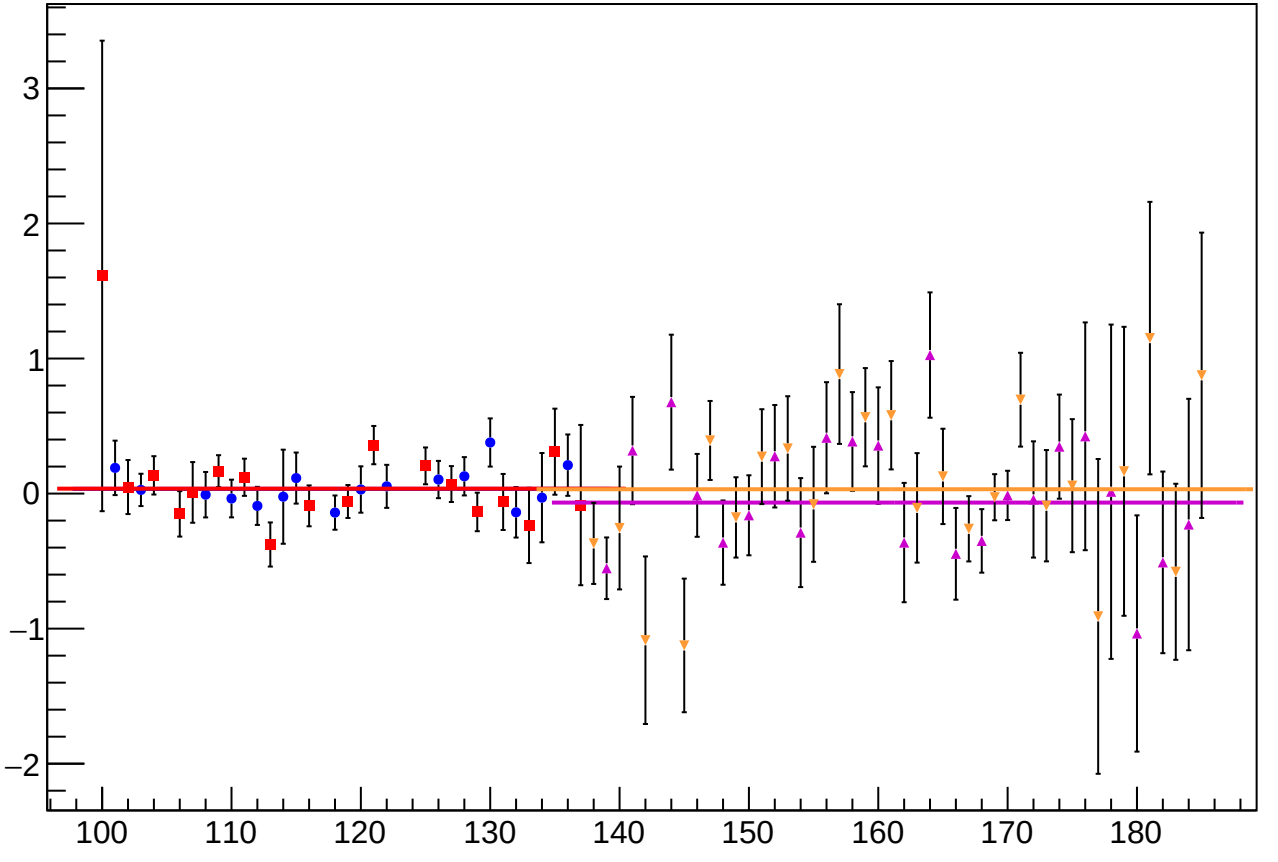
+ sign -0.000+/-0.000 χ^2/NDF: 53.1/39

All: -0.000+/-0.000 χ^2/NDF: 99.4/80

- sign -0.000+/-0.000 χ^2/NDF: 46.1/40


asym_usl_atl2_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
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 1701473.5/15
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
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: 19116604.4/39
All: 0.004+/-0.000 χ²/NDF: 39266601.5/80
- sign 0.004+/-0.000 χ²/NDF: 19924478.1/40

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

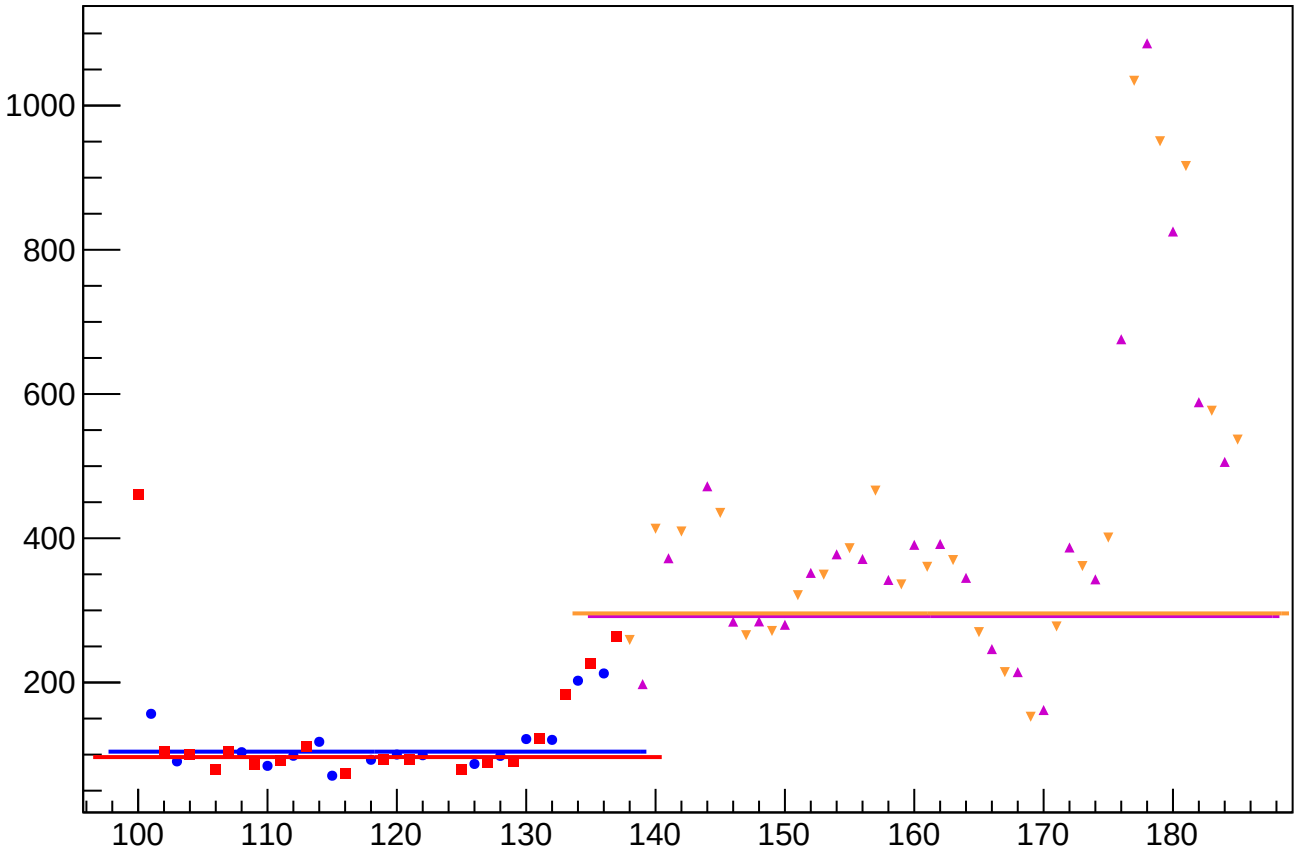
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.034+/-0.036 χ^2/NDF: 39.5/39

All: 0.024+/-0.025 χ^2/NDF: 88.9/80

- sign 0.014+/-0.035 χ^2/NDF: 49.2/40



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

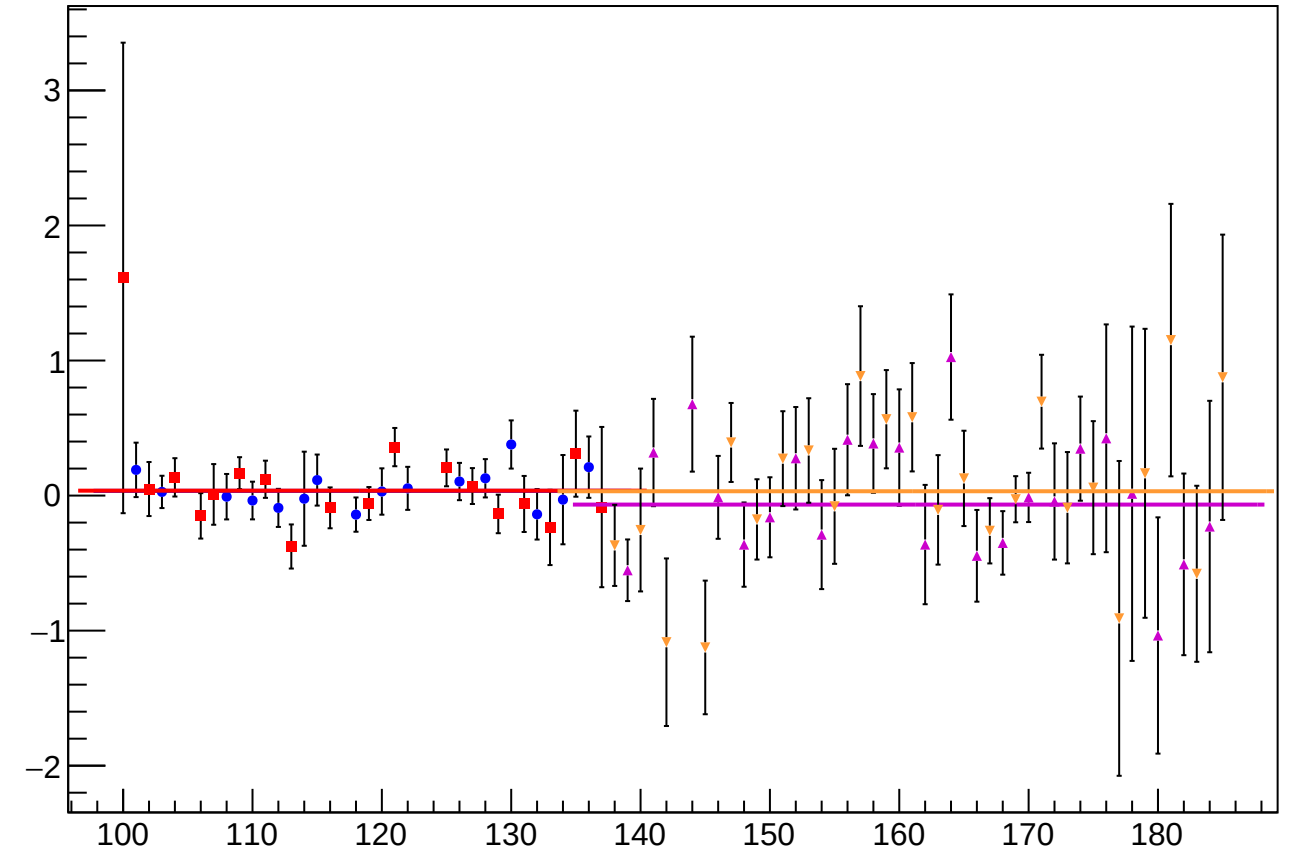
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.360+/-0.026 χ^2/NDF: 16342691.8/39

All: 142.606+/-0.018 χ^2/NDF: 33195407.2/80

- sign 138.265+/-0.024 χ^2/NDF: 16786385.0/40



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

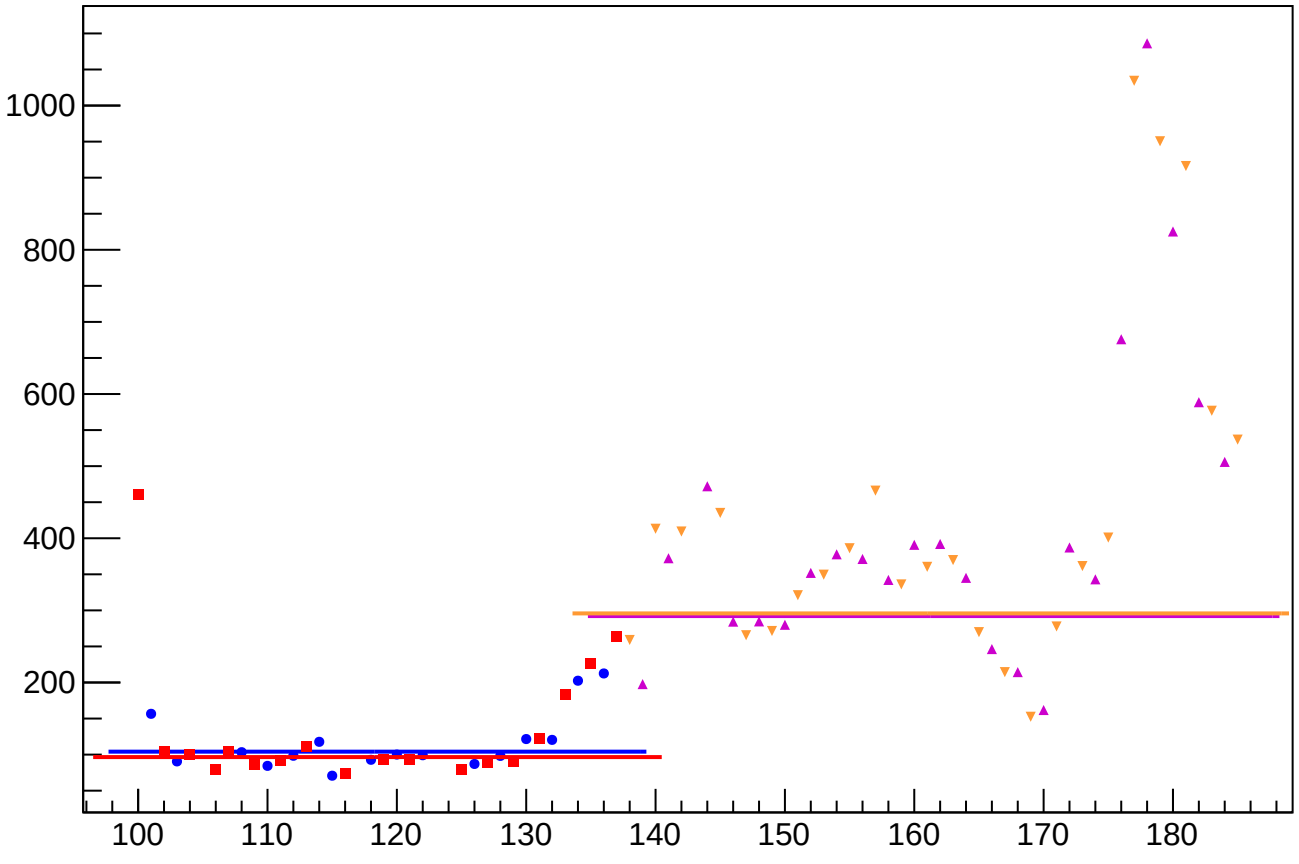
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.034+/-0.036 χ^2/NDF: 39.5/39

All: 0.024+/-0.025 χ^2/NDF: 88.9/80

- sign 0.014+/-0.035 χ^2/NDF: 49.2/40



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

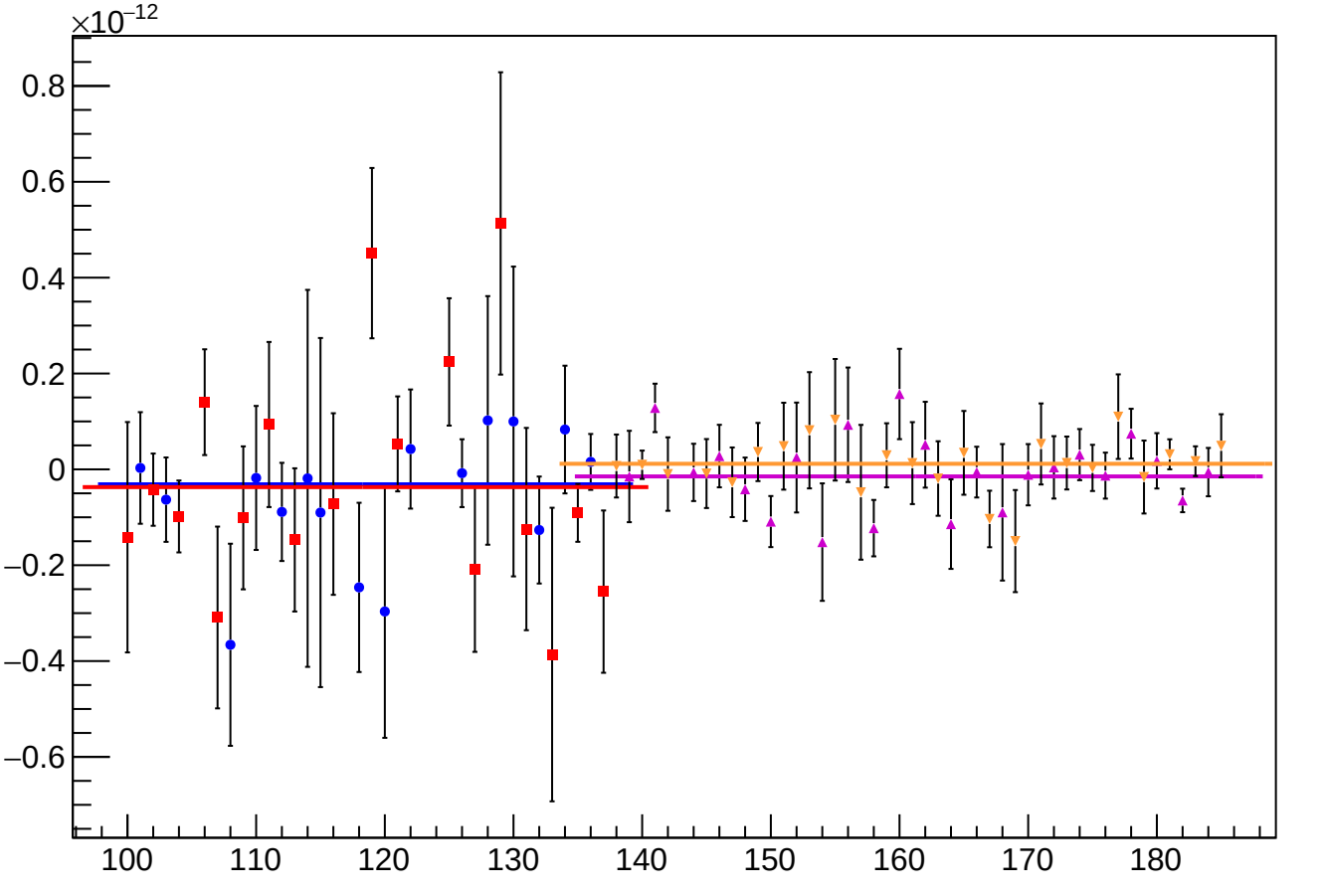
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.360+/-0.026 χ^2/NDF: 16342691.8/39

All: 142.606+/-0.018 χ^2/NDF: 33195407.2/80

- 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:10.6/23

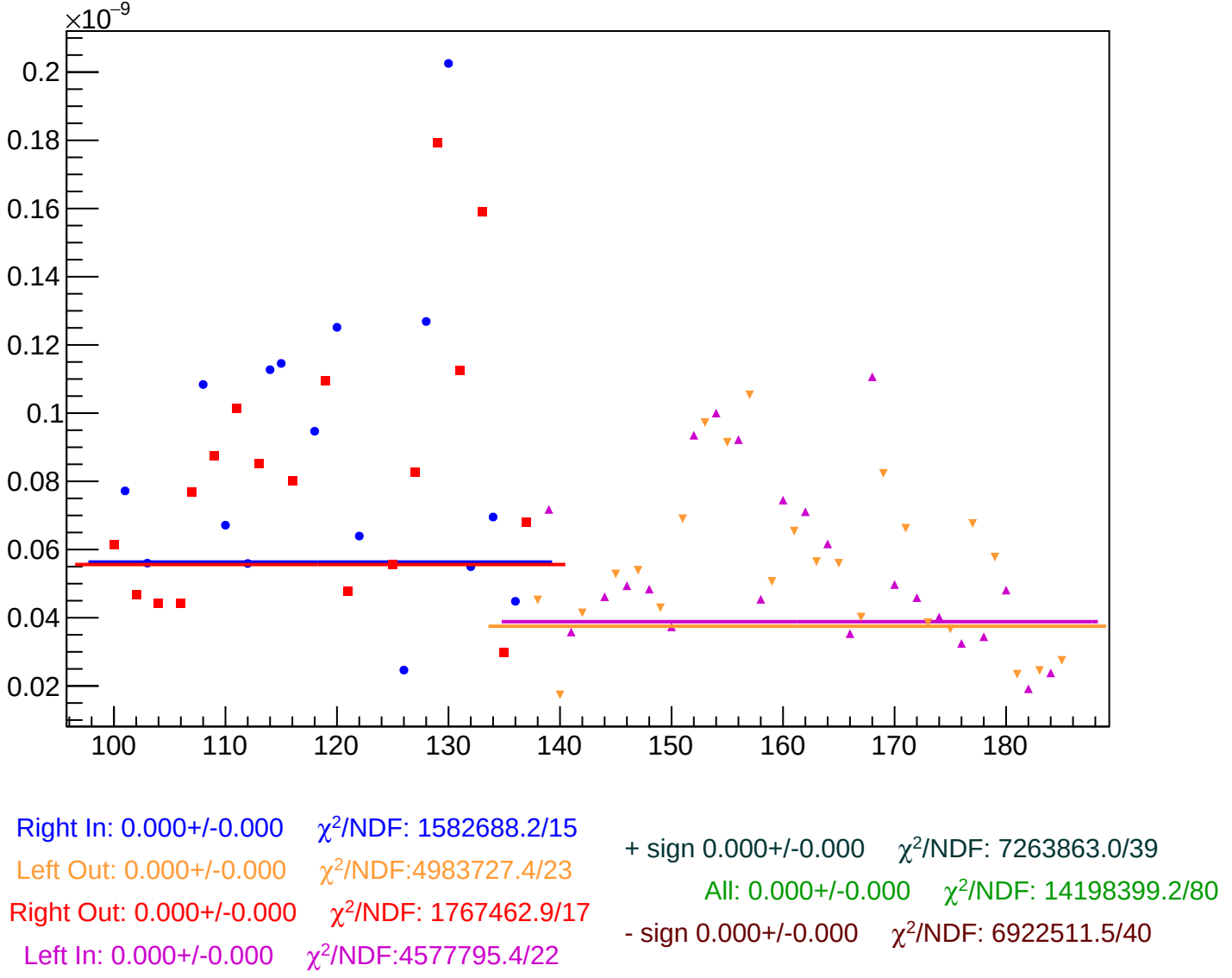
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

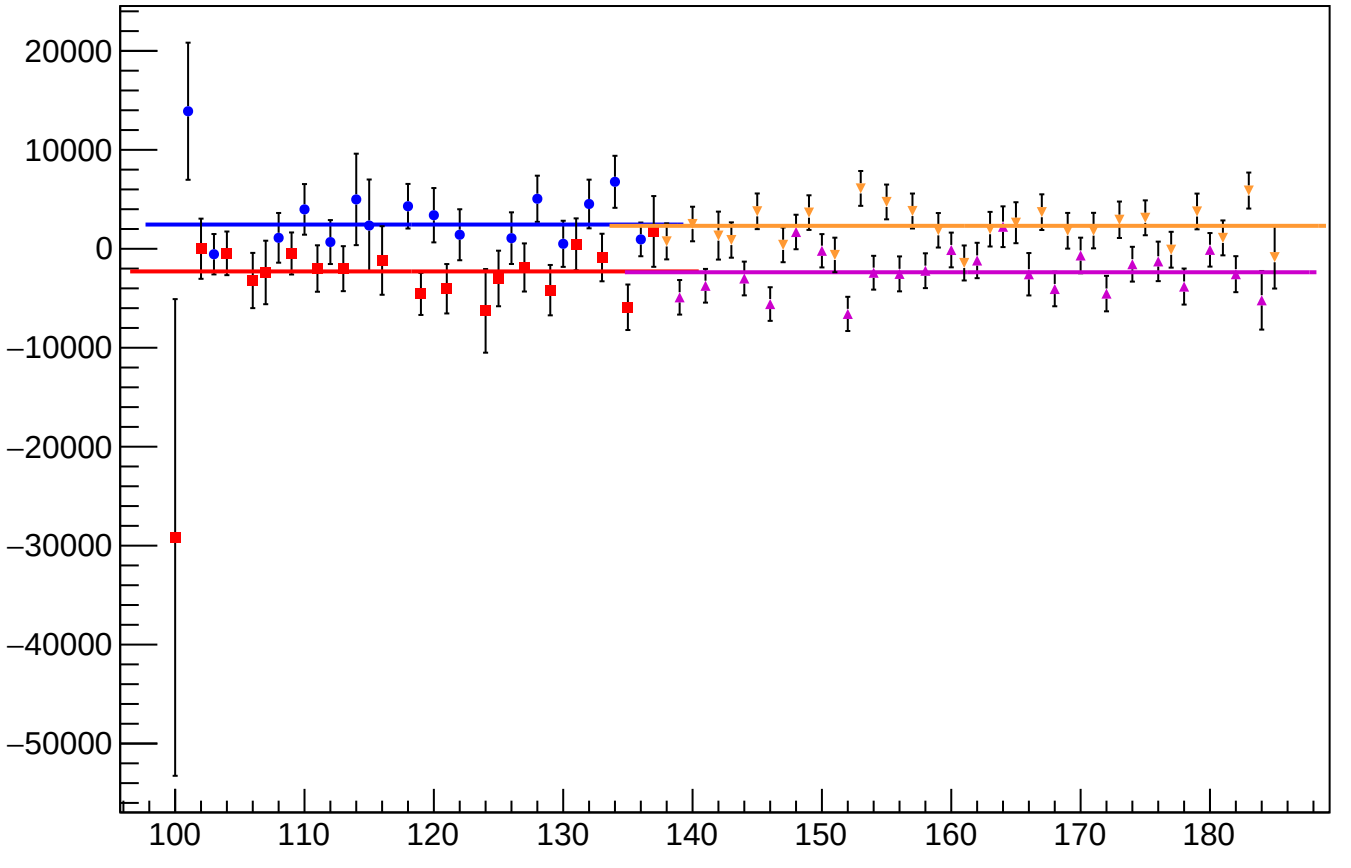
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/39

All: -0.000+/-0.000 χ^2/NDF: 81.7/80

- 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
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
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: 7263863.0/39
All: 0.000+/-0.000 χ²/NDF: 14198399.2/80
- sign 0.000+/-0.000 χ²/NDF: 6922511.5/40



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

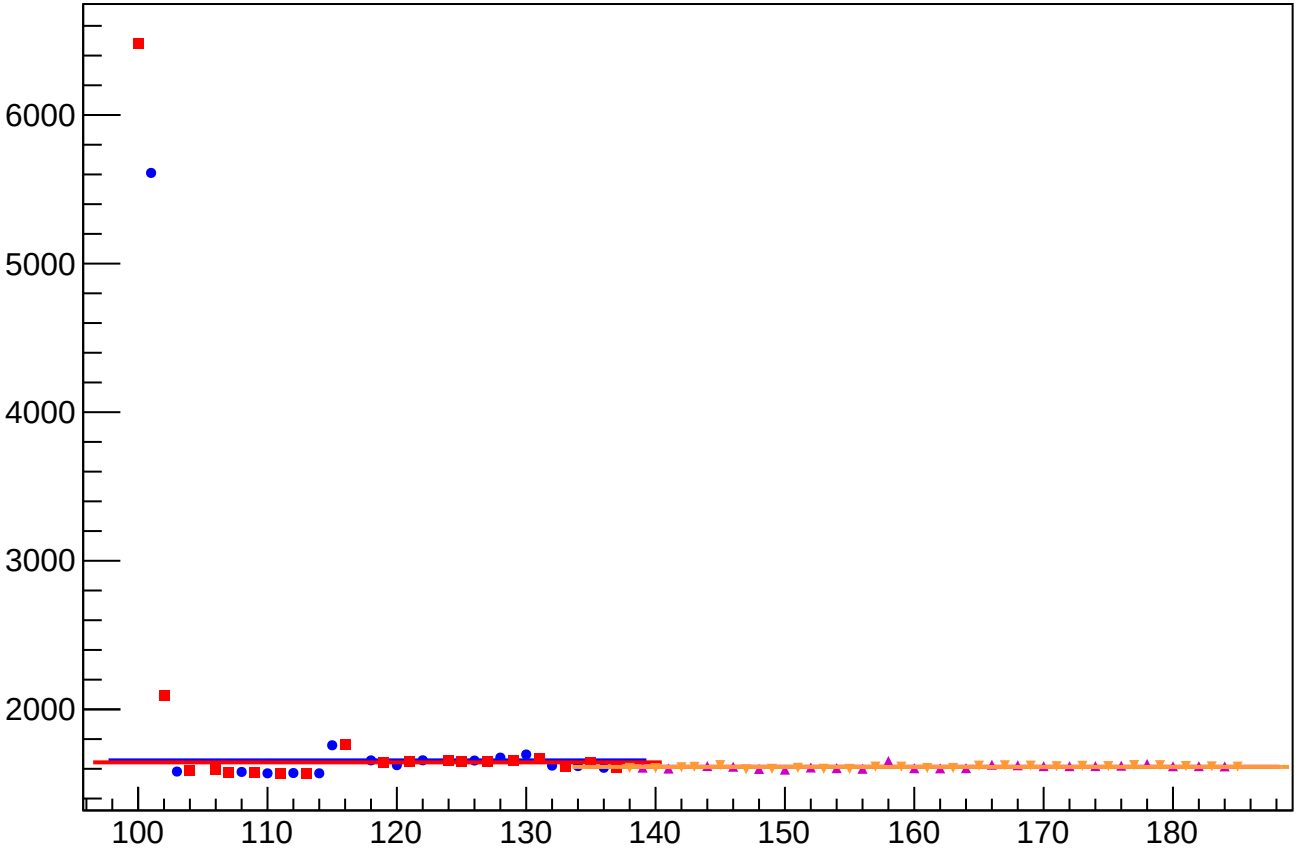
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2353.613+/-316.695 χ^2/NDF: 41.4/40

All: 30.816+/-225.252 χ^2/NDF: 195.8/82

- 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: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

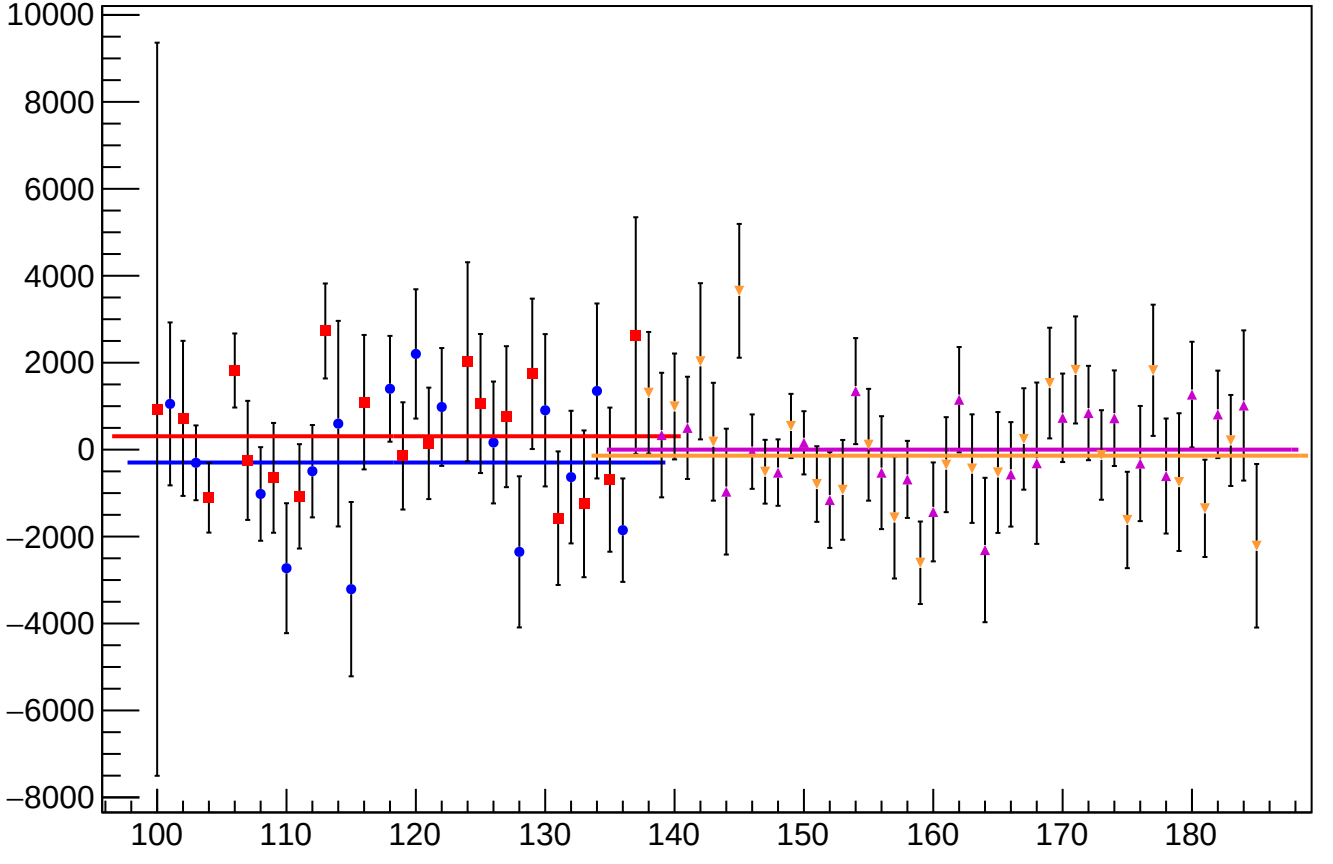
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

\+ sign 1623.737+/-0.224 χ^2/NDF: 674710.7/40

All: 1622.876+/-0.159 χ^2/NDF: 817517.1/82

\- 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: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

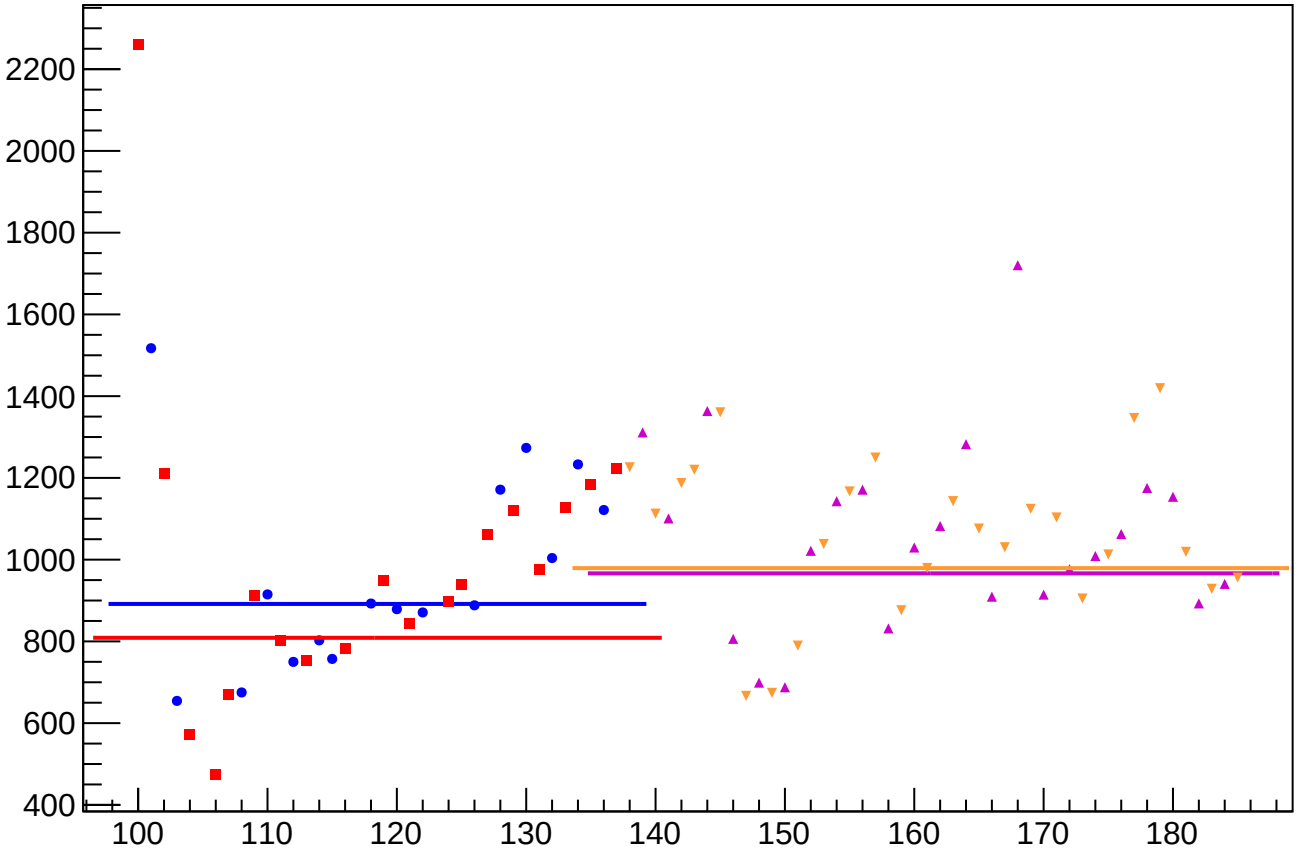
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -187.511+/-190.601 χ^2/NDF: 46.3/40

All: -35.839+/-133.239 χ^2/NDF: 79.7/82

- 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: 979.294+/-0.162 χ^2/NDF:1630623.2/24

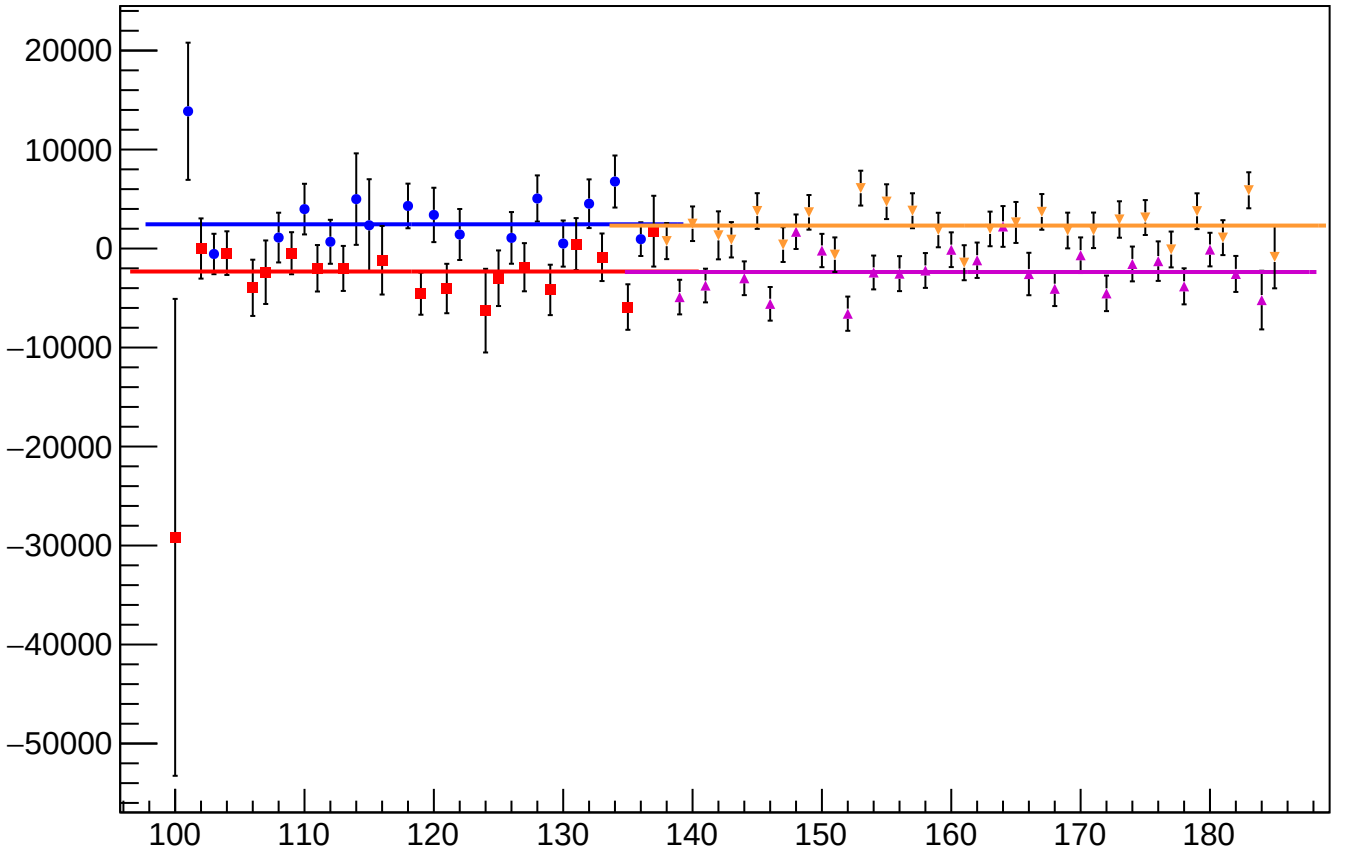
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 952.294+/-0.135 χ^2/NDF: 2514689.3/40

All: 930.988+/-0.094 χ^2/NDF: 5577874.9/82

- 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: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

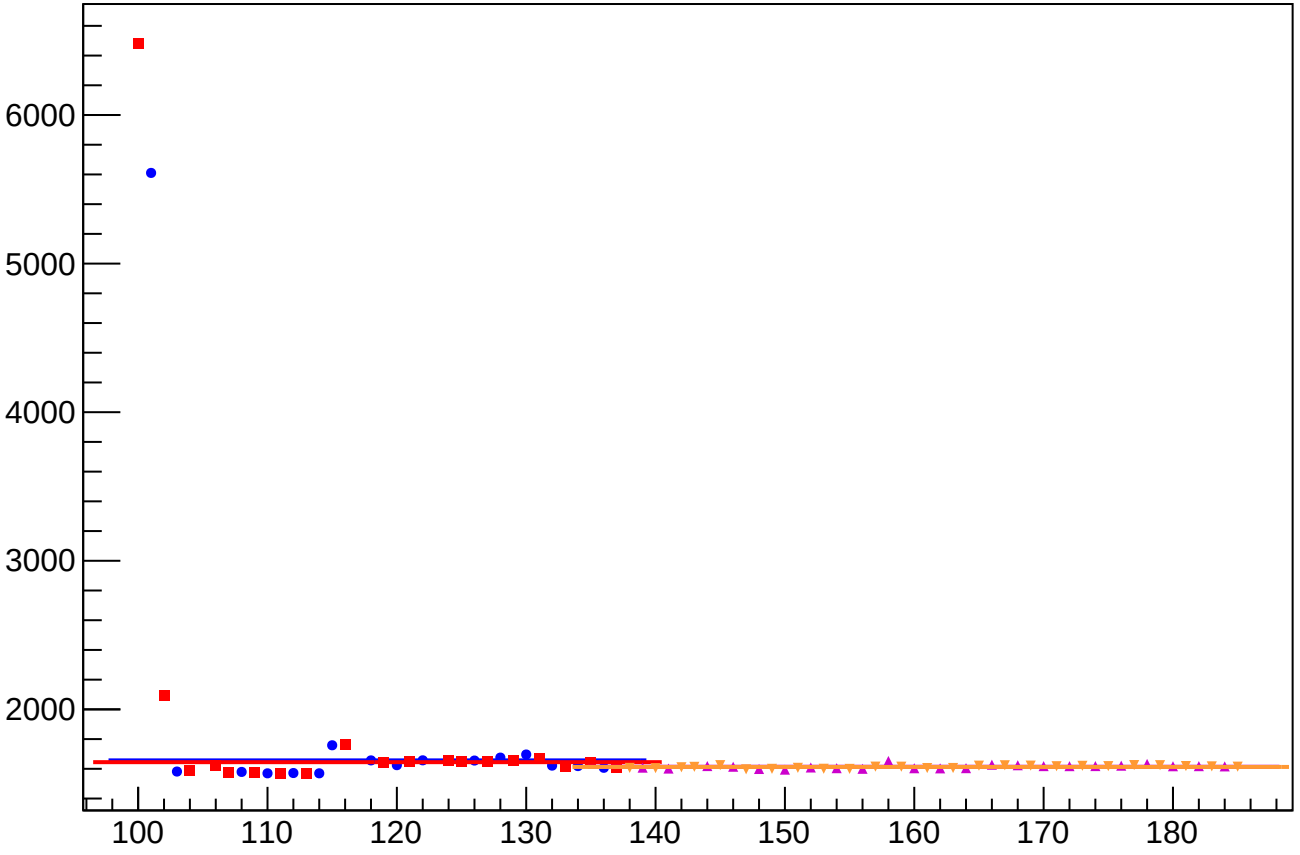
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2353.440+/-316.695 χ^2/NDF: 41.4/40

All: 26.580+/-225.278 χ^2/NDF: 196.4/82

- 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: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

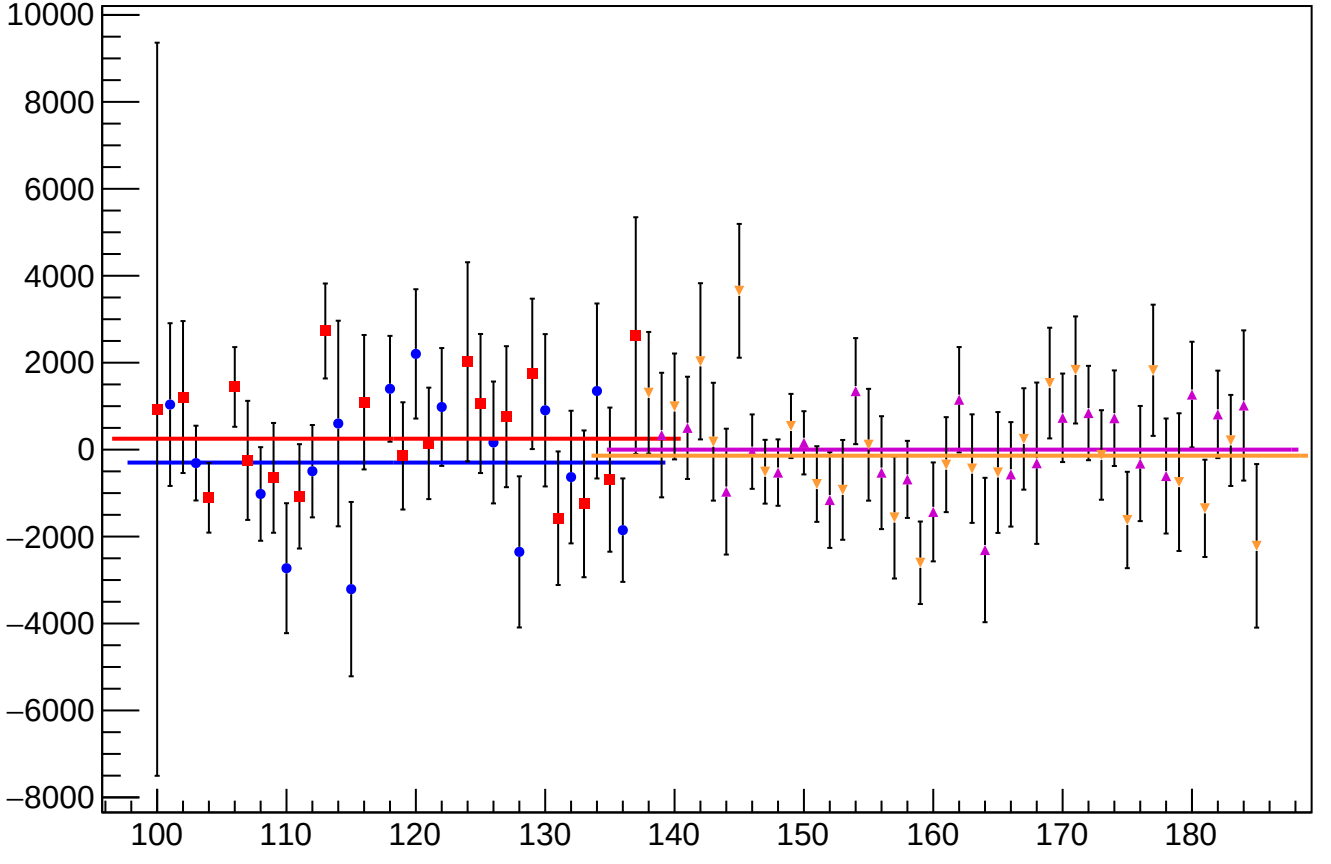
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

\+ sign 1623.737+/-0.224 χ^2/NDF: 674710.2/40

All: 1623.049+/-0.159 χ^2/NDF: 817294.2/82

\- sign 1622.345+/-0.227 χ^2/NDF: 142564.9/41

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

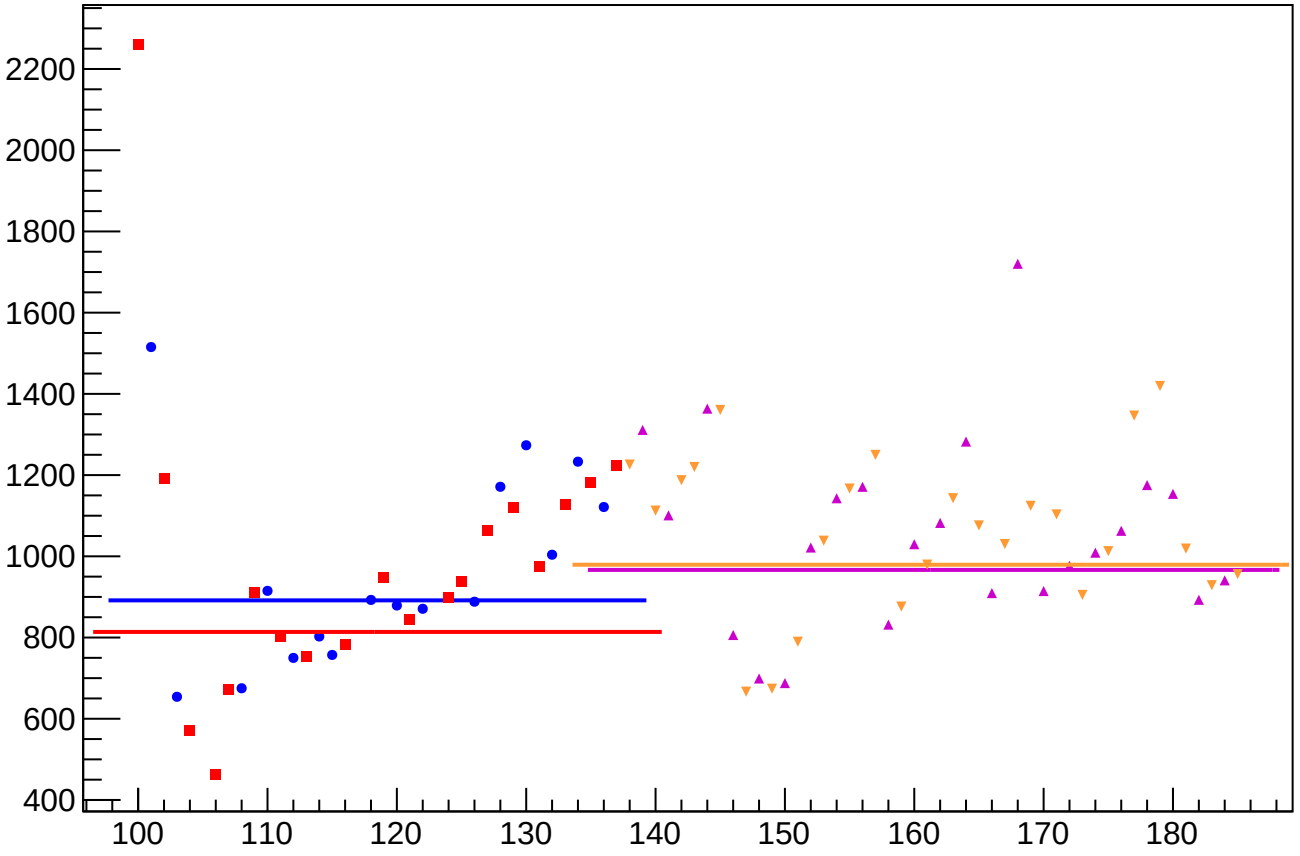
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -187.969+/-190.593 χ^2/NDF: 46.3/40

All: -47.252+/-133.448 χ^2/NDF: 77.9/82

- 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: 979.288+/-0.162 χ^2/NDF:1630731.2/24

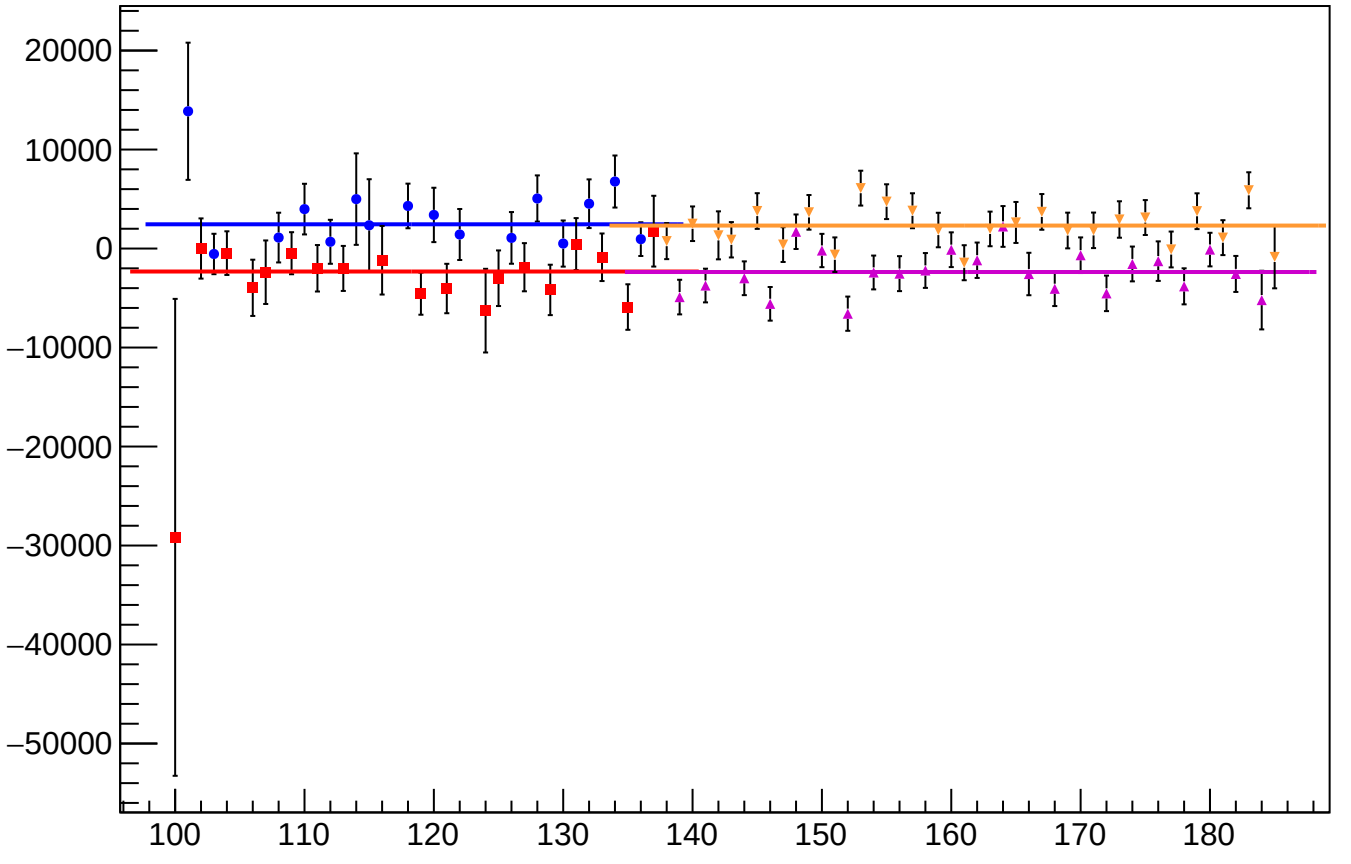
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 952.254+/-0.135 χ^2/NDF: 2514767.6/40

All: 932.252+/-0.094 χ^2/NDF: 5517484.3/82

- 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: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

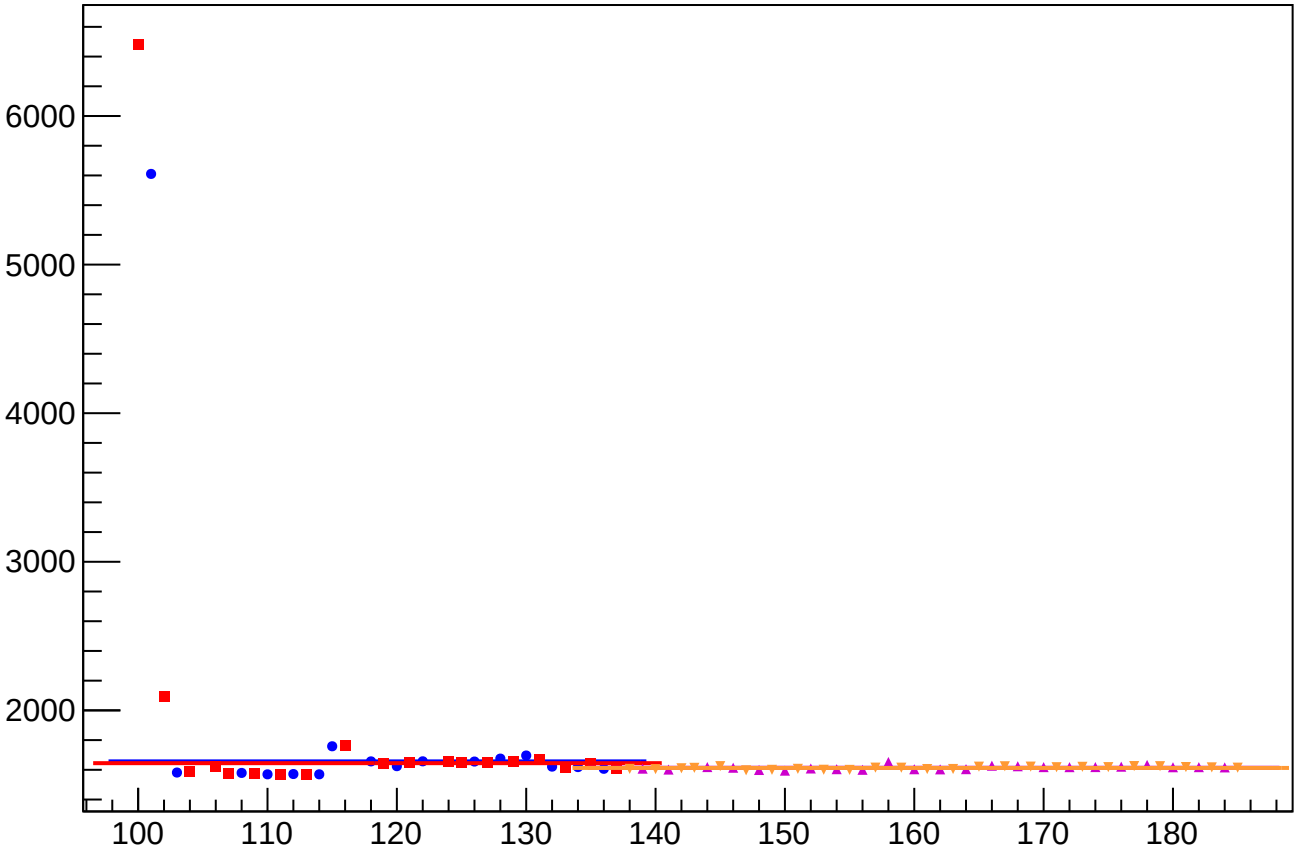
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2353.440+/-316.695 χ^2/NDF: 41.4/40

All: 26.580+/-225.278 χ^2/NDF: 196.4/82

- 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: 1612.607+/-0.259 χ^2/NDF:1172.5/24

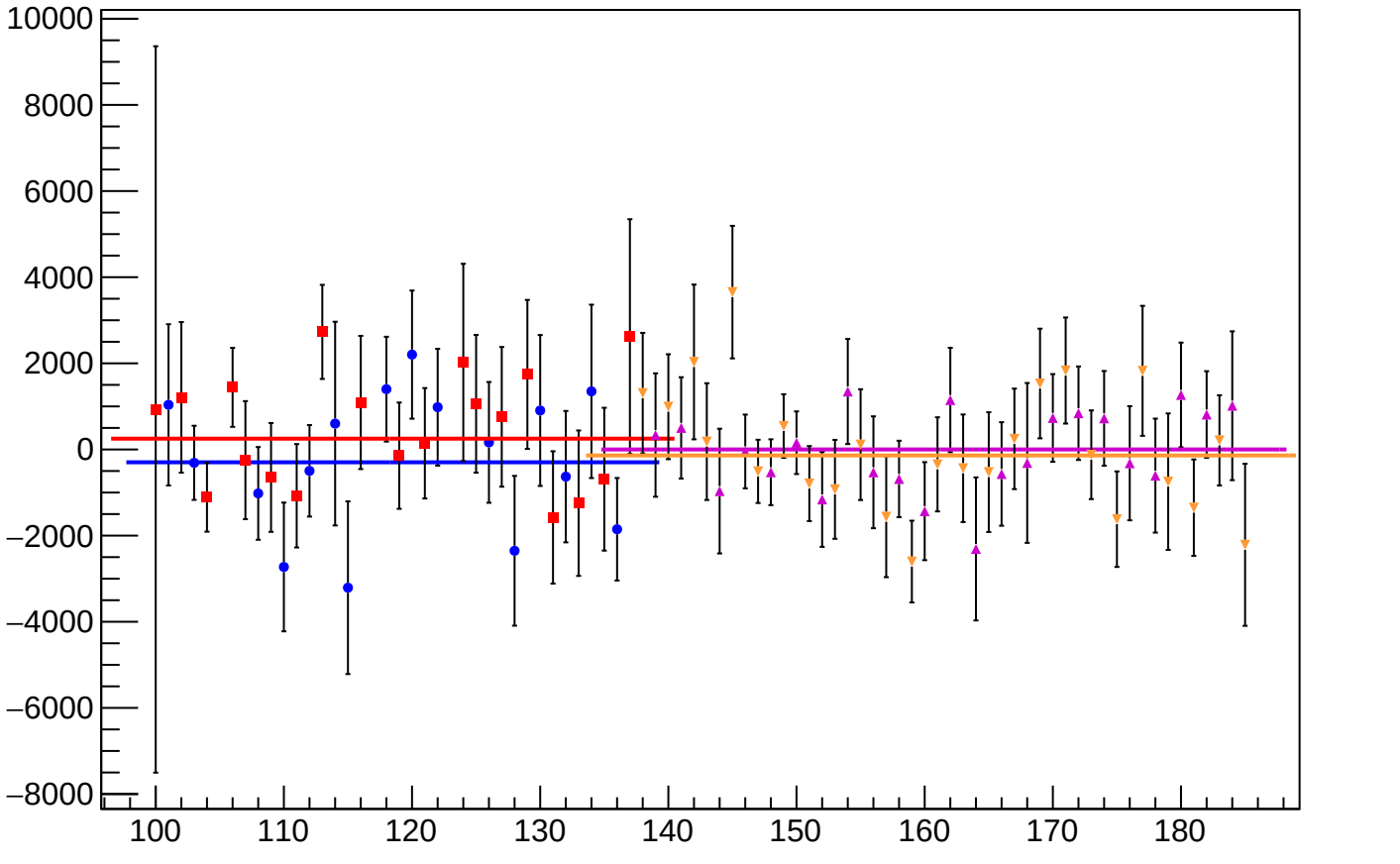
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.737+/-0.224 χ^2/NDF: 674710.2/40

All: 1623.049+/-0.159 χ^2/NDF: 817294.2/82

- 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: -139.074+/-229.125 χ^2/NDF:30.2/24

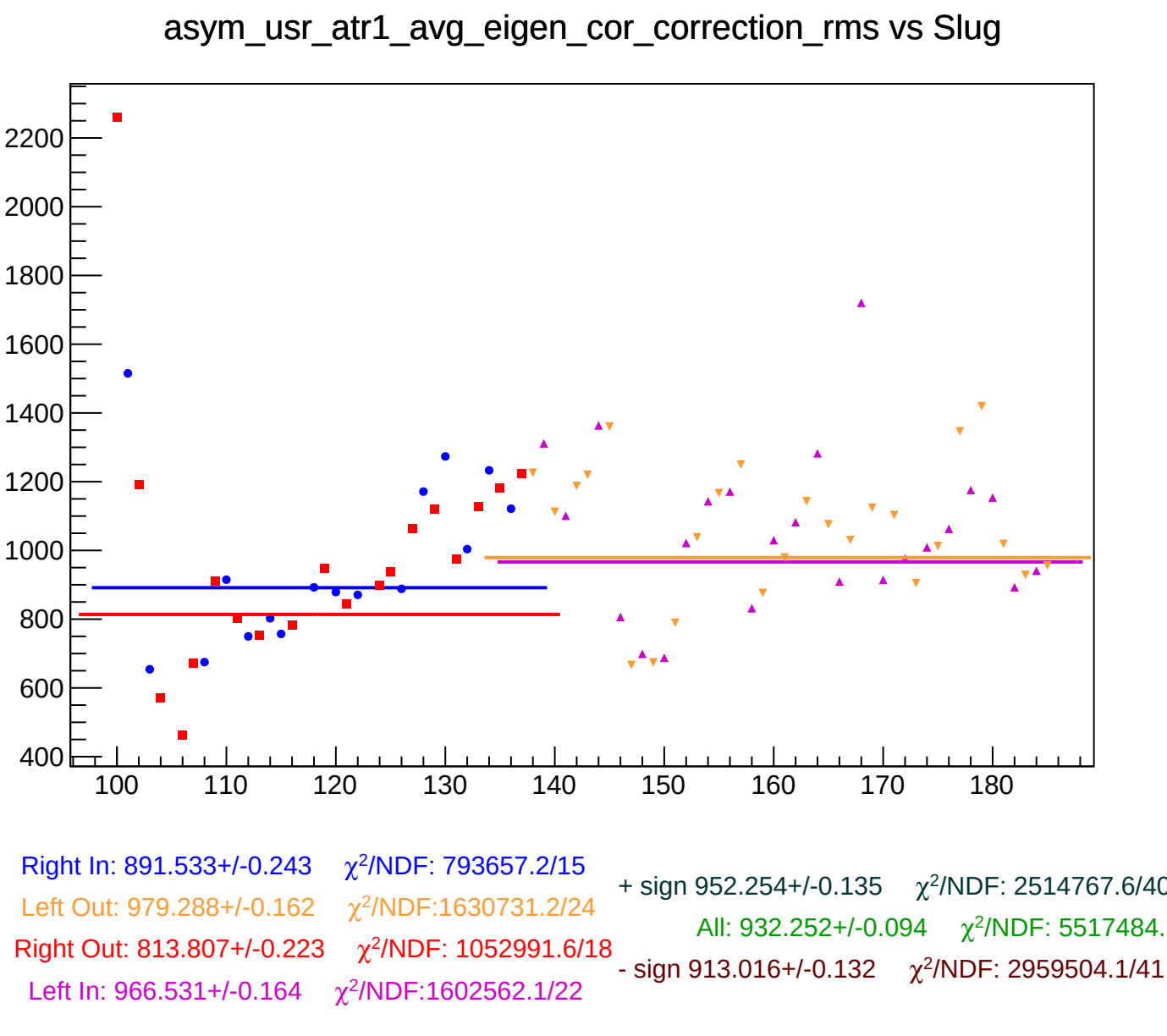
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

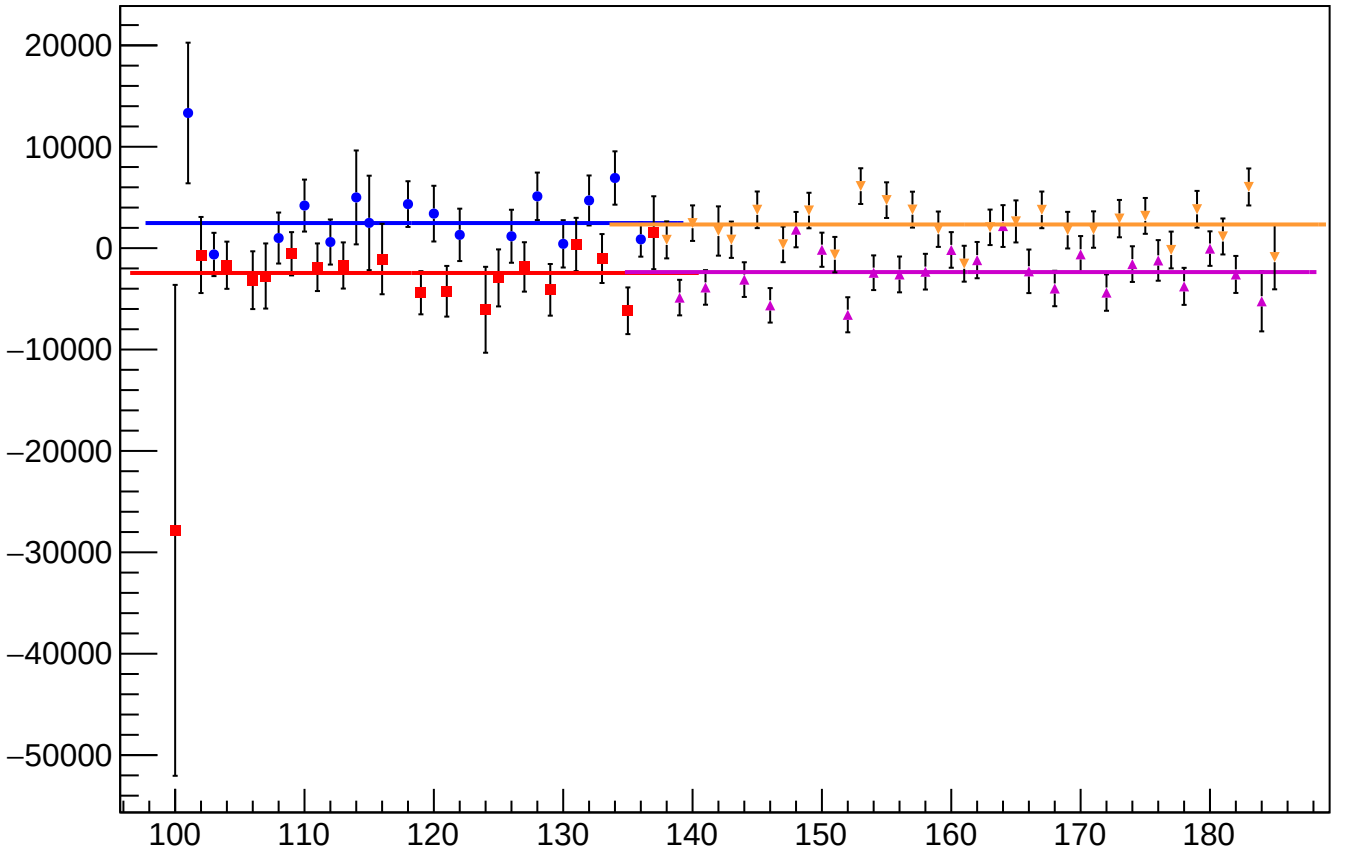
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -187.969+/-190.593 χ^2/NDF: 46.3/40

All: -47.252+/-133.448 χ^2/NDF: 77.9/82

\- sign 88.077+/-186.909 χ^2/NDF: 30.5/41


asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
180
Right In: 891.533+/-0.243 χ²/NDF: 793657.2/15
Left Out: 979.288+/-0.162 χ²/NDF:1630731.2/24
Right Out: 813.807+/-0.223 χ²/NDF: 1052991.6/18
Left In: 966.531+/-0.164 χ²/NDF:1602562.1/22
+ sign 952.254+/-0.135 χ²/NDF: 2514767.6/40
All: 932.252+/-0.094 χ²/NDF: 5517484.3/82
- sign 913.016+/-0.132 χ²/NDF: 2959504.1/41



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

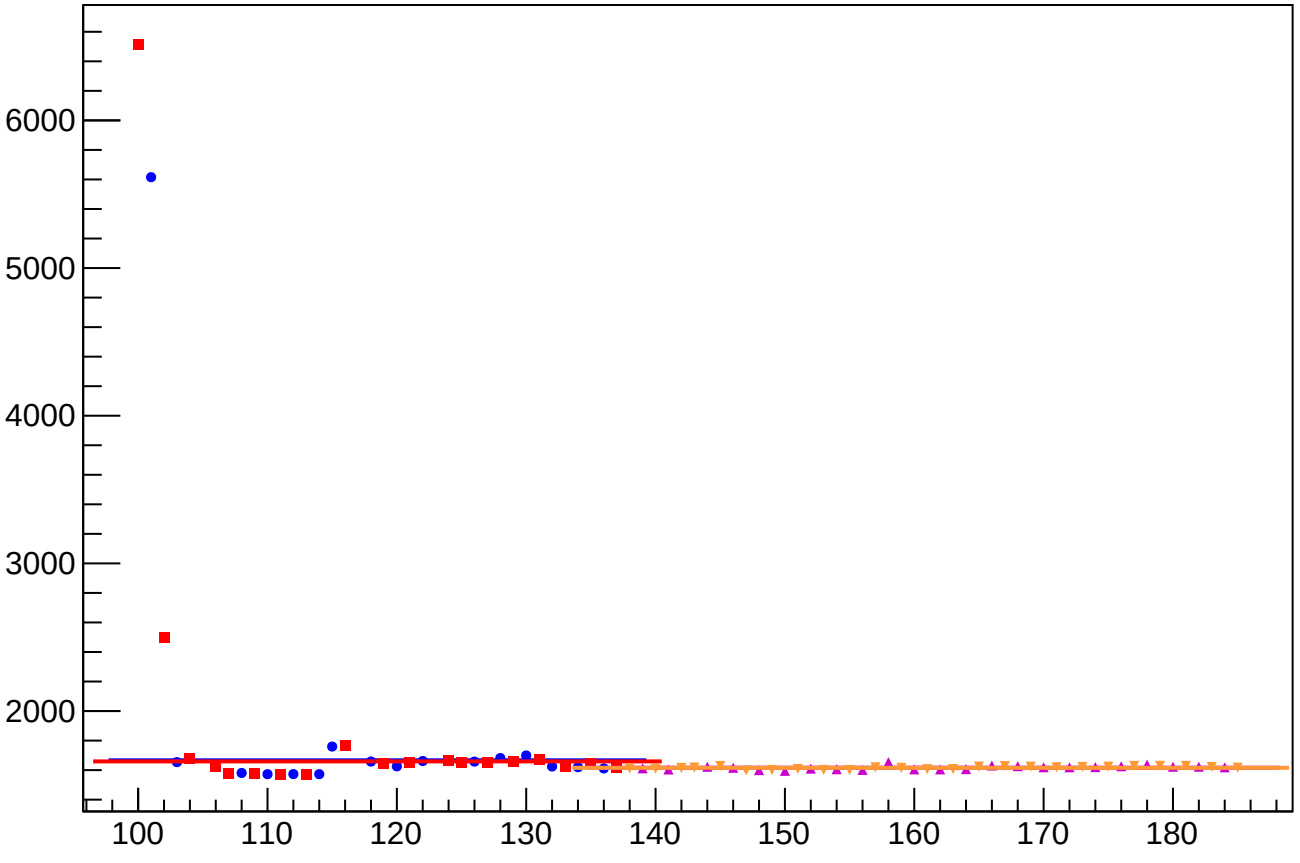
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2370.085+/-317.600 χ^2/NDF: 42.5/40

All: 25.713+/-226.125 χ^2/NDF: 197.6/82

- 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: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

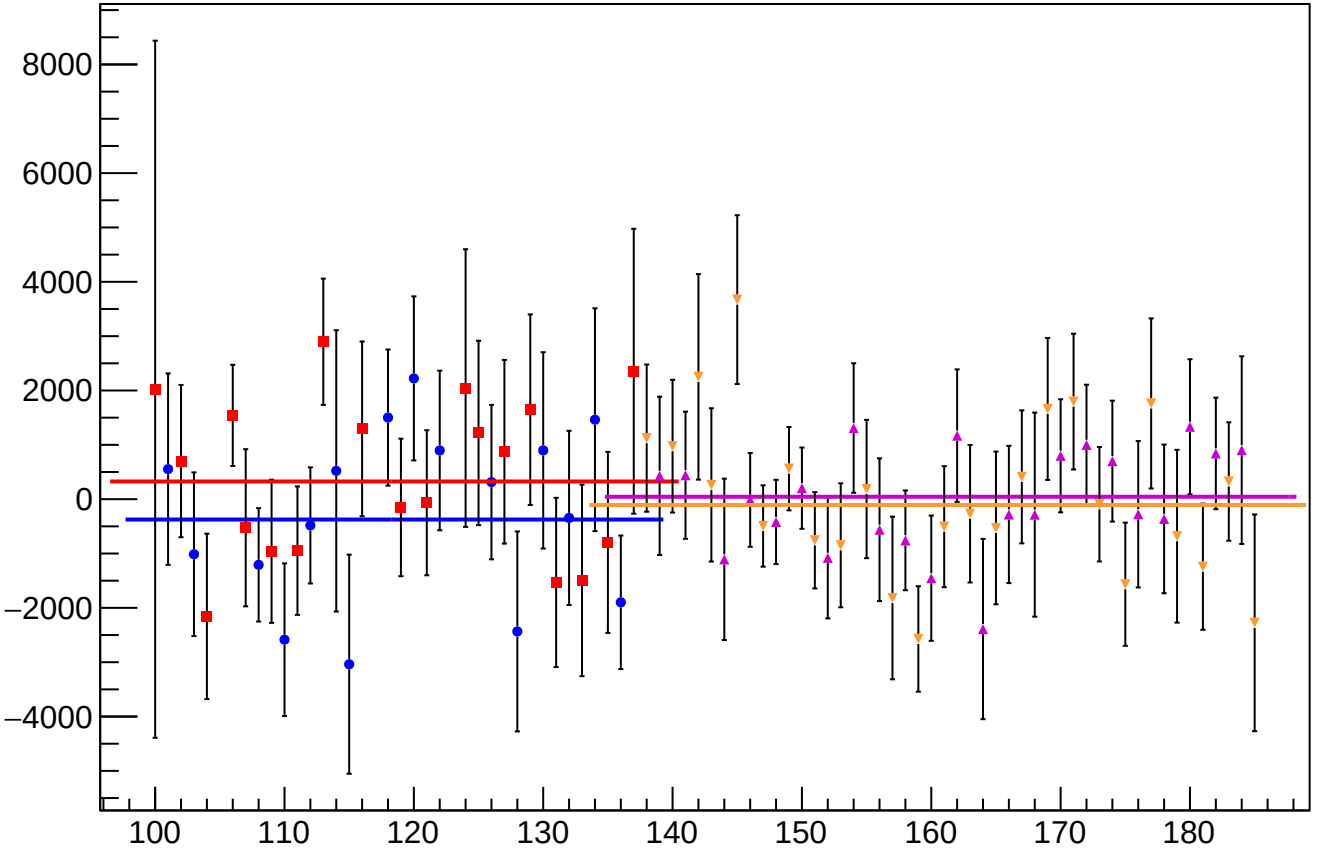
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

\+ sign 1628.378+/-0.225 χ^2/NDF: 673969.9/40

All: 1628.171+/-0.160 χ^2/NDF: 876696.9/82

\- sign 1627.957+/-0.228 χ^2/NDF: 202725.3/41

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

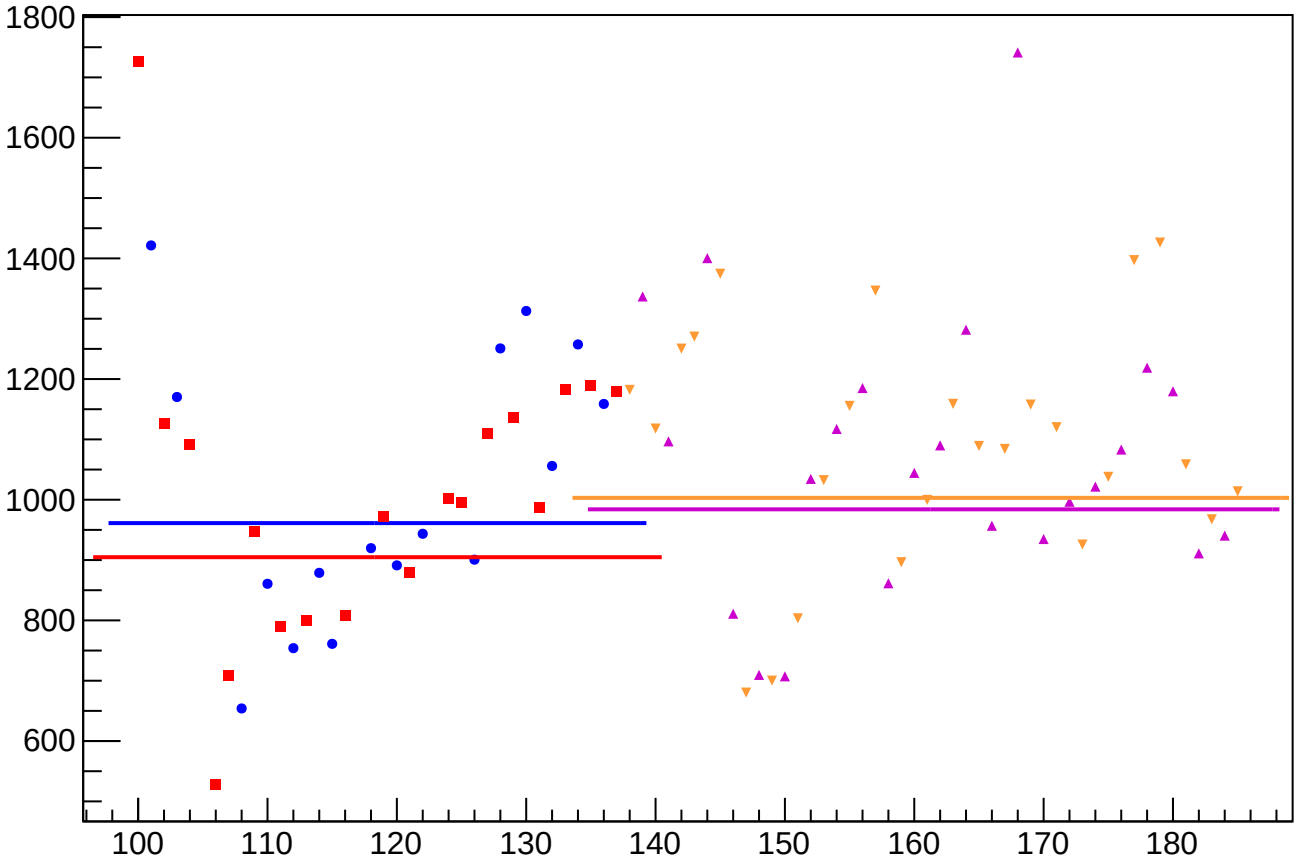
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -183.733+/-197.636 χ^2/NDF: 45.1/40

All: -21.003+/-138.388 χ^2/NDF: 77.1/82

- sign 135.536+/-193.839 χ^2/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: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

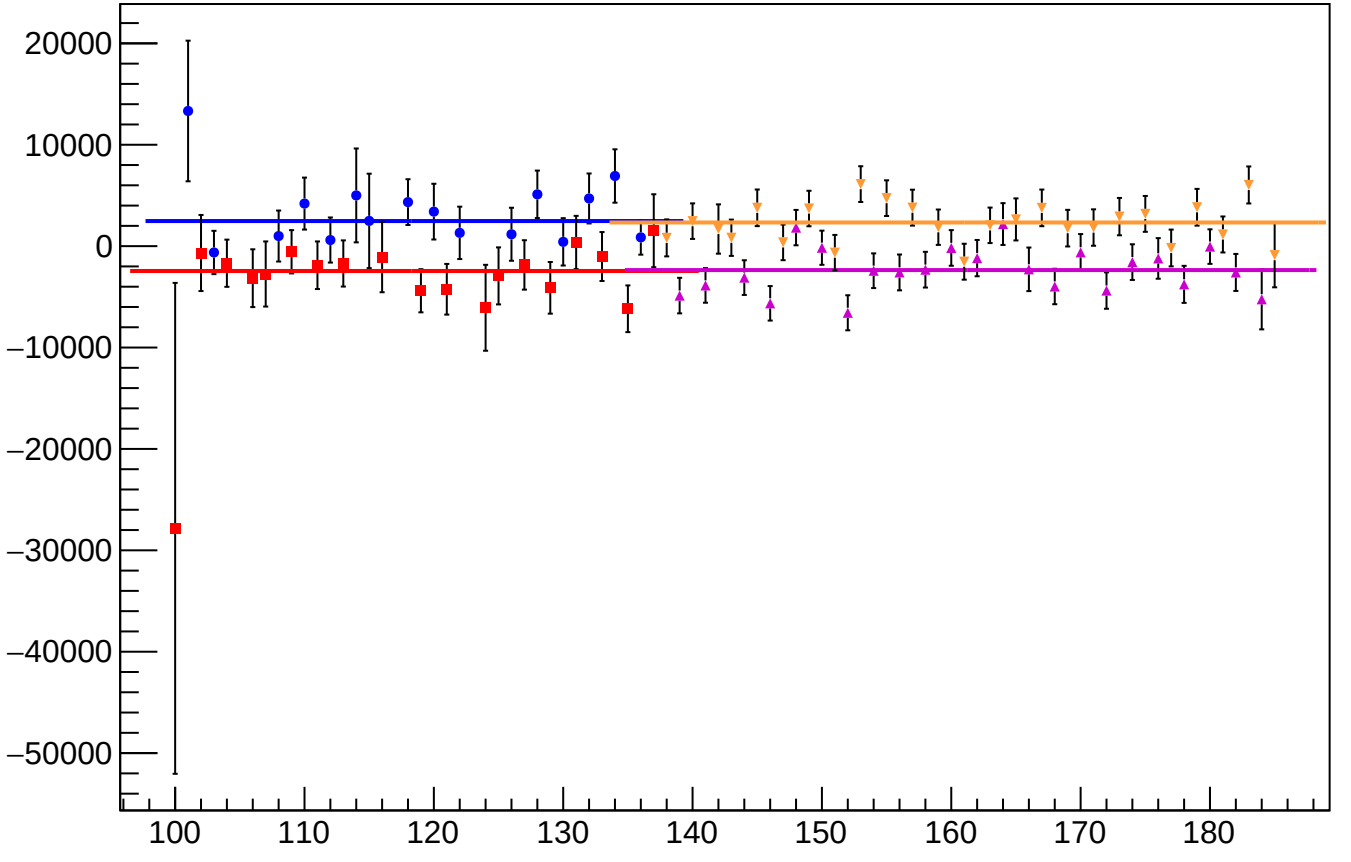
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 991.024+/-0.140 χ^2/NDF: 2308707.0/40

All: 974.379+/-0.098 χ^2/NDF: 4705914.7/82

- 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: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

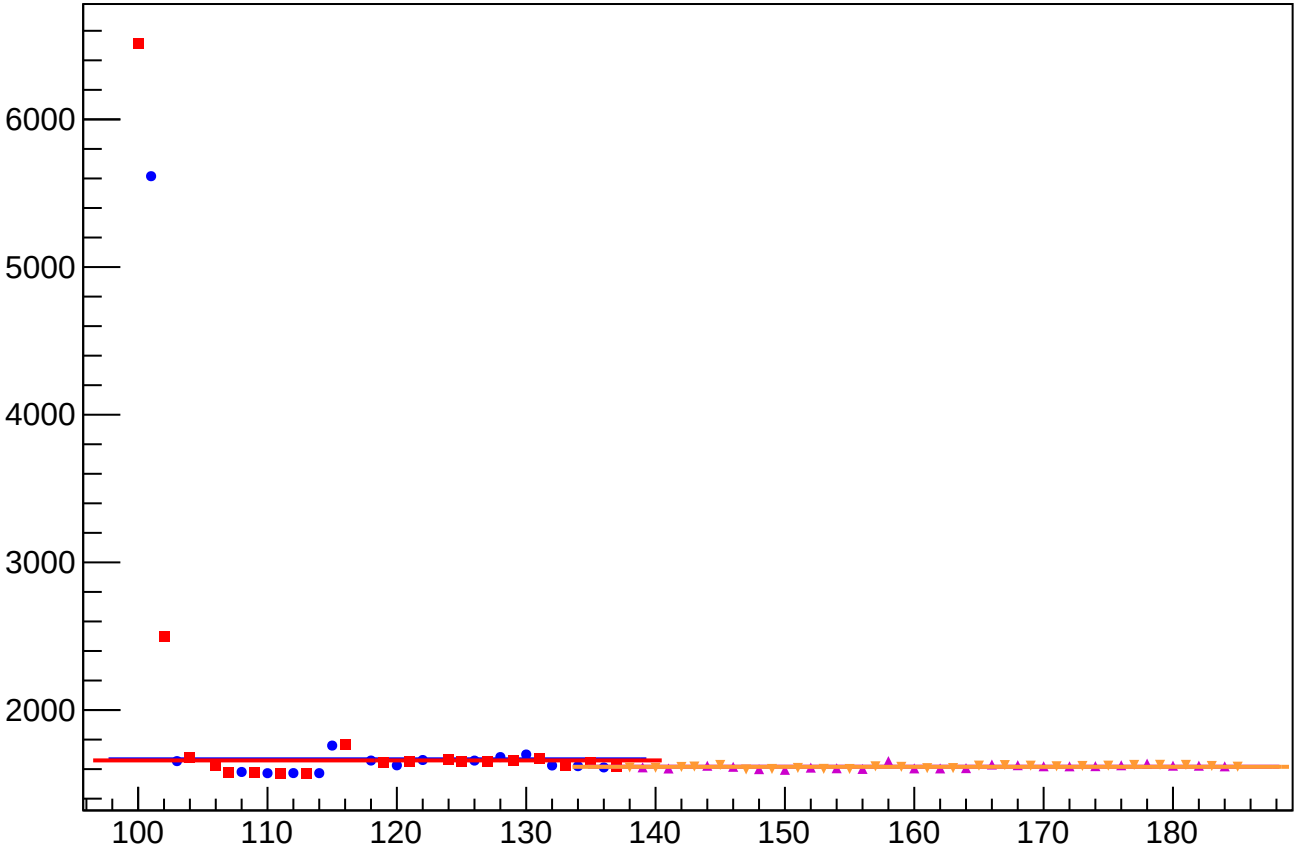
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2370.085+/-317.600 χ^2/NDF: 42.5/40

All: 25.713+/-226.125 χ^2/NDF: 197.6/82

- 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: 1615.633+/-0.260 χ^2/NDF:1447.2/24

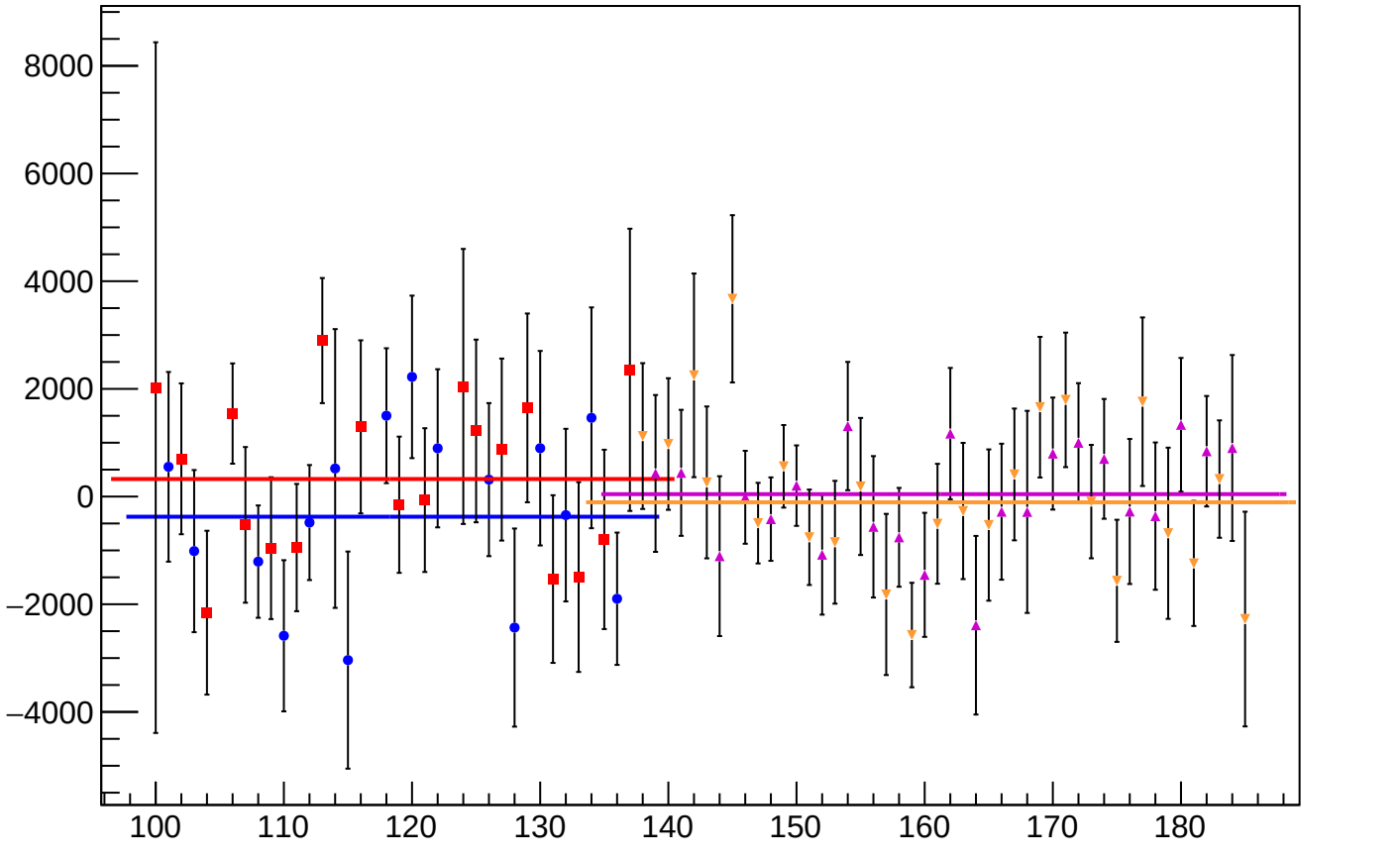
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

\+ sign 1628.378+/-0.225 χ^2/NDF: 673969.9/40

All: 1628.170+/-0.160 χ^2/NDF: 876696.6/82

\- 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: -106.340+/-234.307 χ^2/NDF:29.0/24

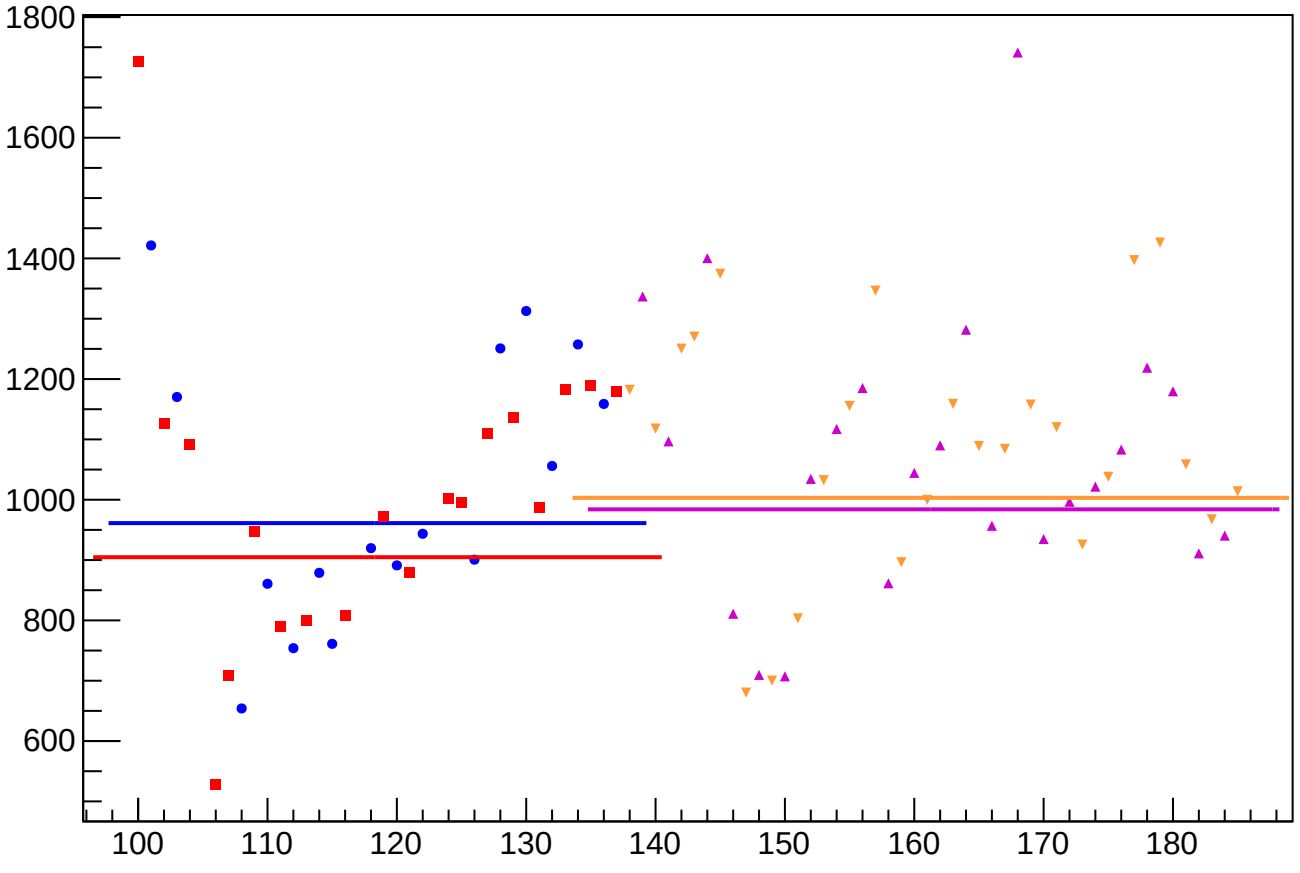
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -183.735+/-197.636 χ^2/NDF: 45.1/40

All: -21.003+/-138.388 χ^2/NDF: 77.1/82

- 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: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

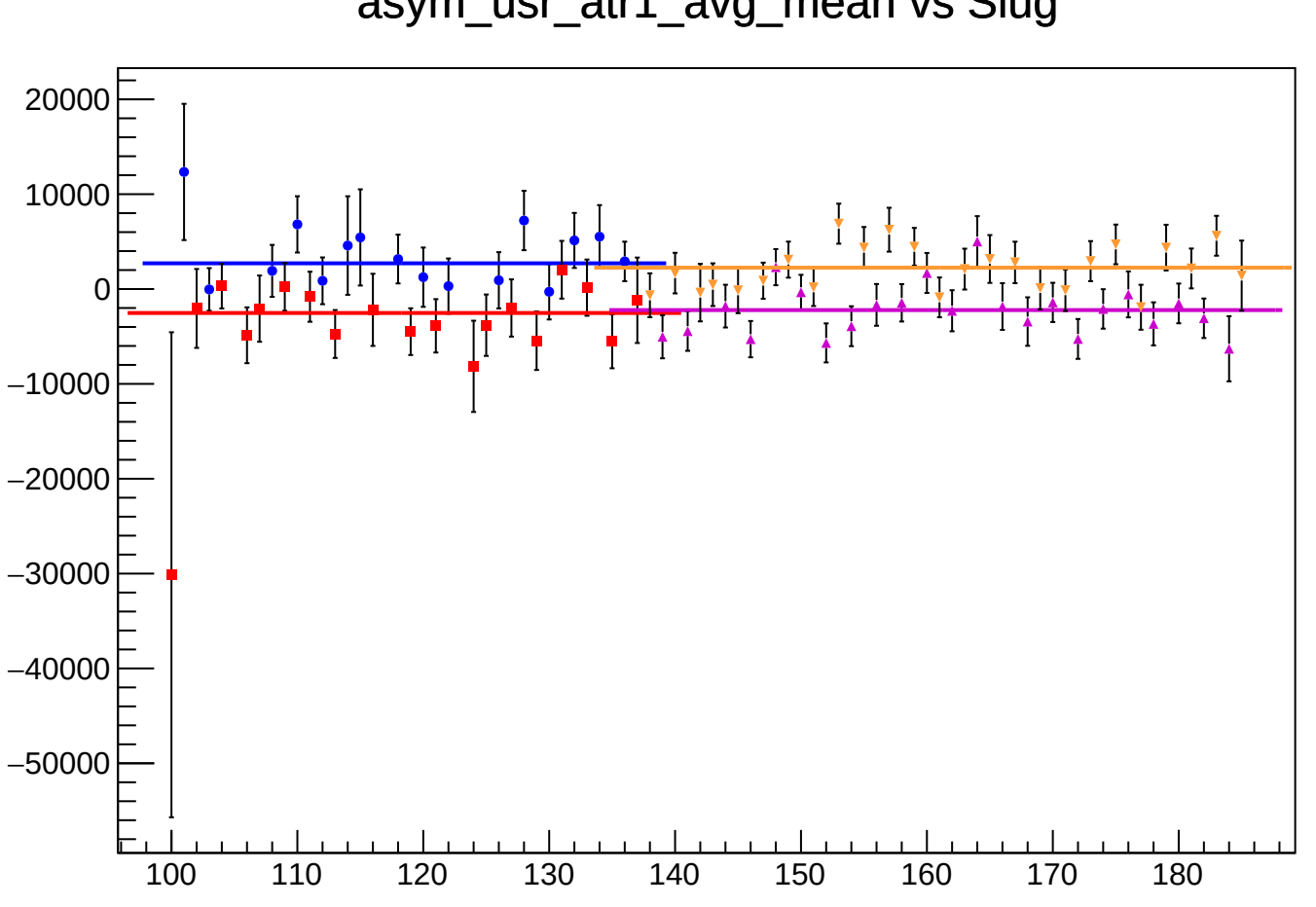
Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 991.024+/-0.140 χ^2/NDF: 2308722.5/40

All: 974.379+/-0.098 χ^2/NDF: 4705938.2/82

- sign 958.367+/-0.137 χ^2/NDF: 2369381.8/41



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

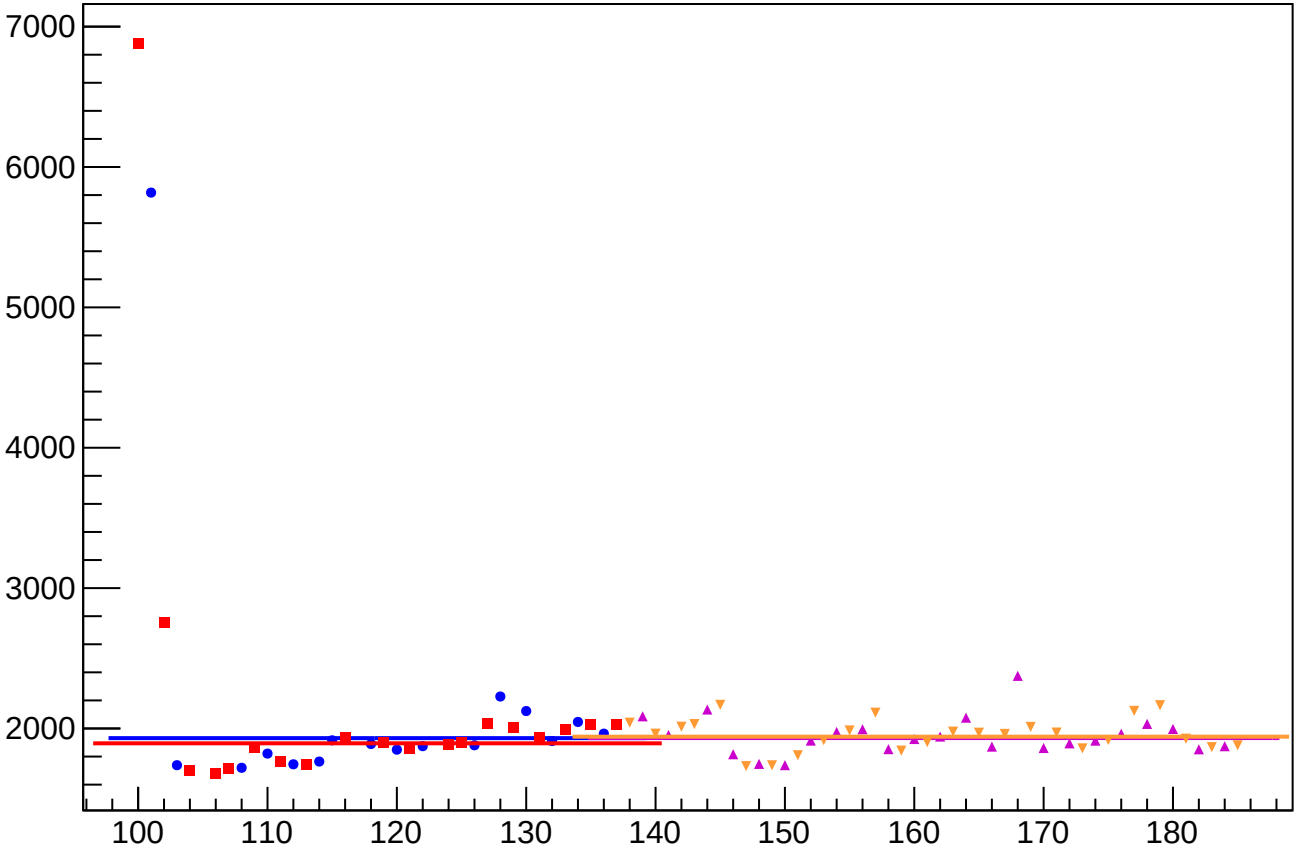
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2374.354+/-378.930 χ^2/NDF: 40.7/40

All: 45.171+/-268.641 χ^2/NDF: 161.6/82

- 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: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

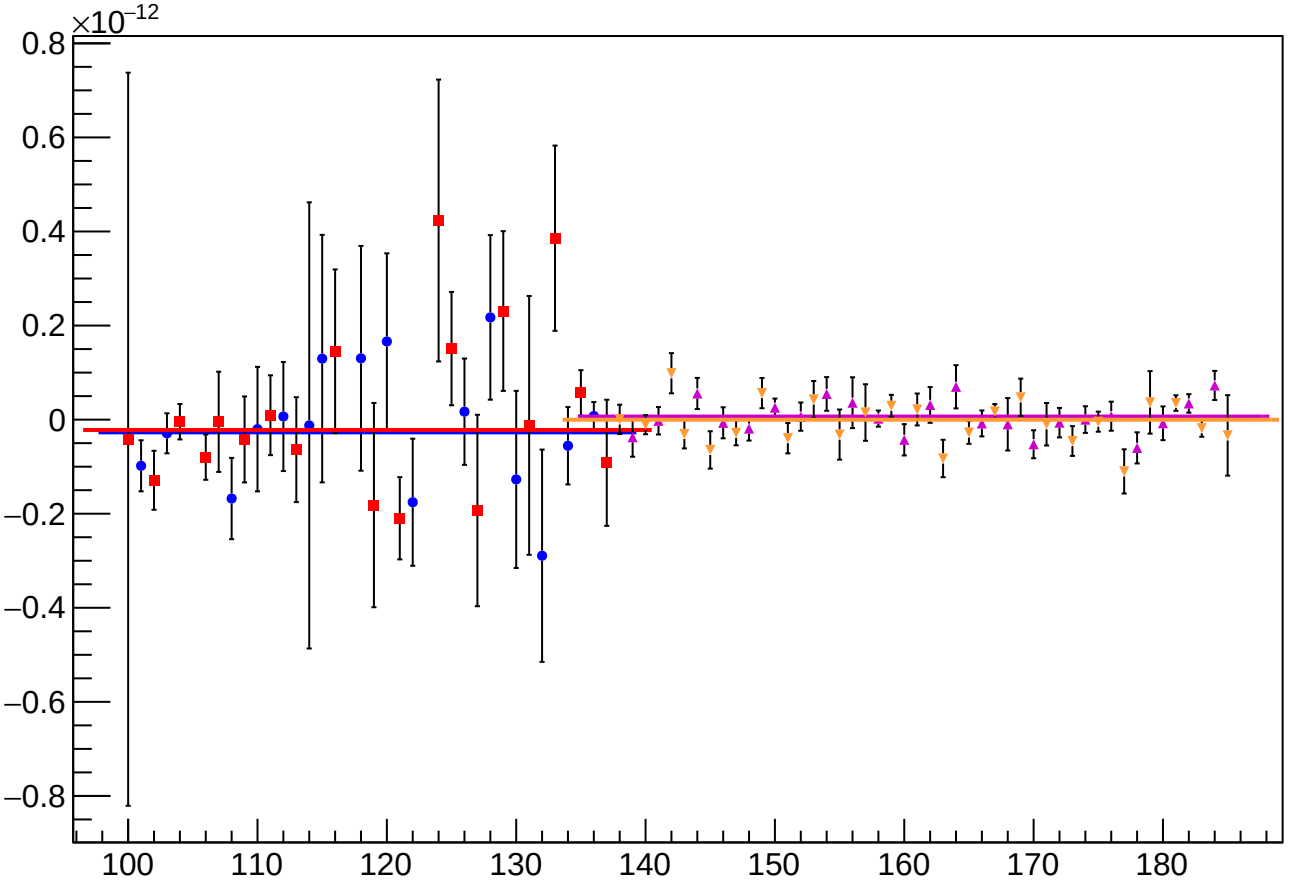
Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1938.837+/-0.268 χ^2/NDF: 800528.6/40

All: 1929.926+/-0.190 χ^2/NDF: 1187160.0/82

- sign 1920.921+/-0.269 χ^2/NDF: 384407.4/41

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

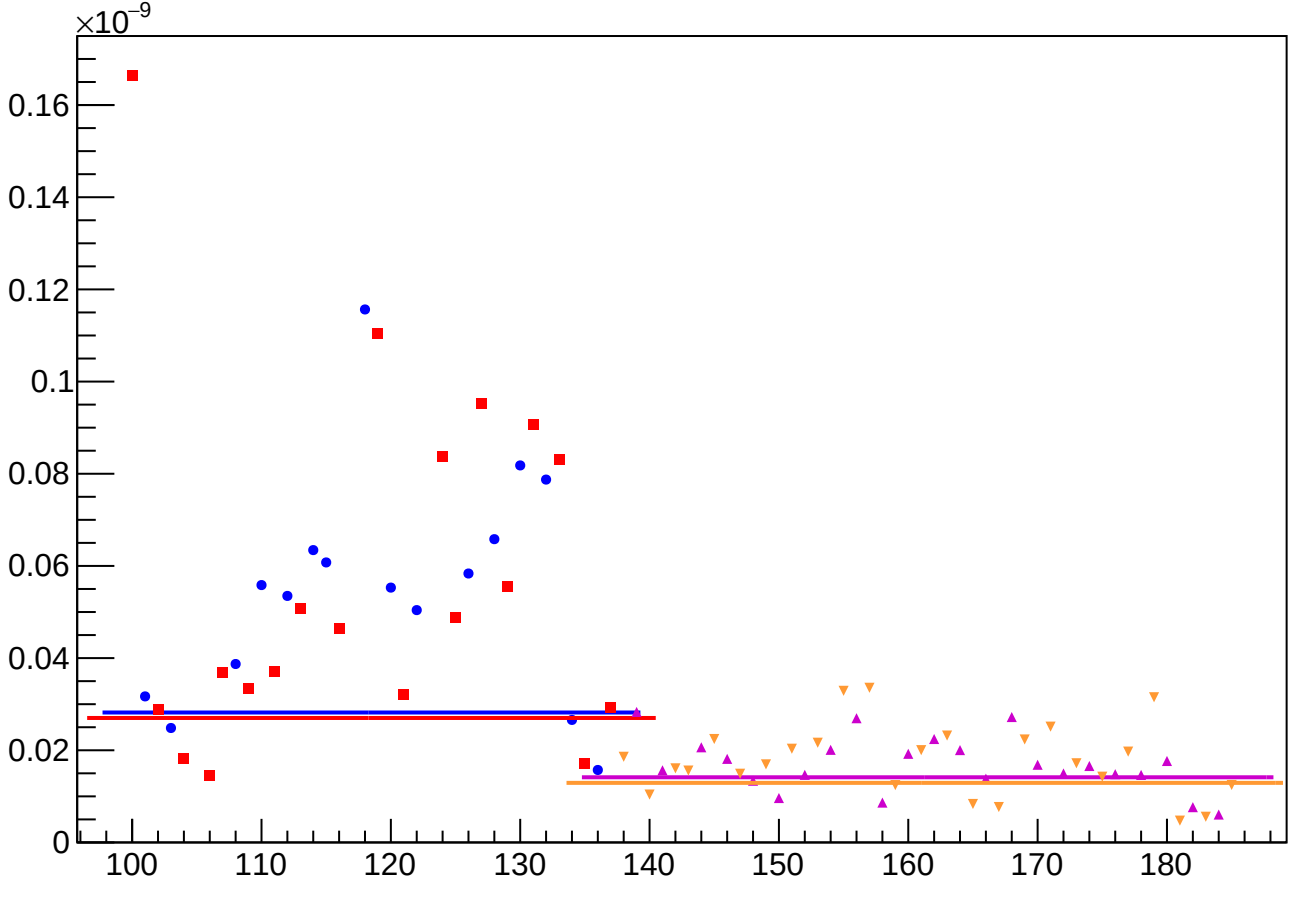
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/40

All: 0.000+/-0.000 χ^2/NDF: 110.4/82

- 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:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

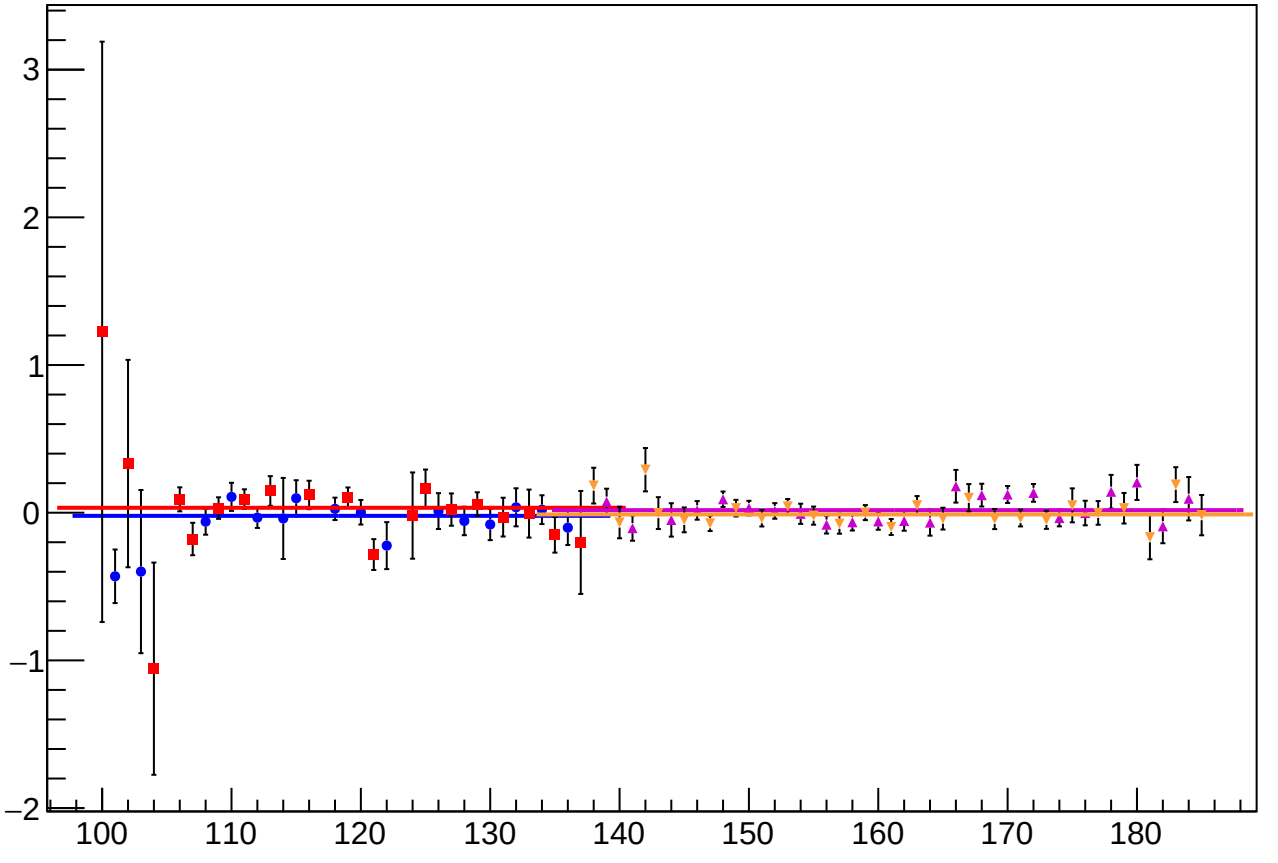
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5483922.8/40

All: 0.000+/-0.000 χ^2/NDF: 9406699.7/82

- 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:21.8/24

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

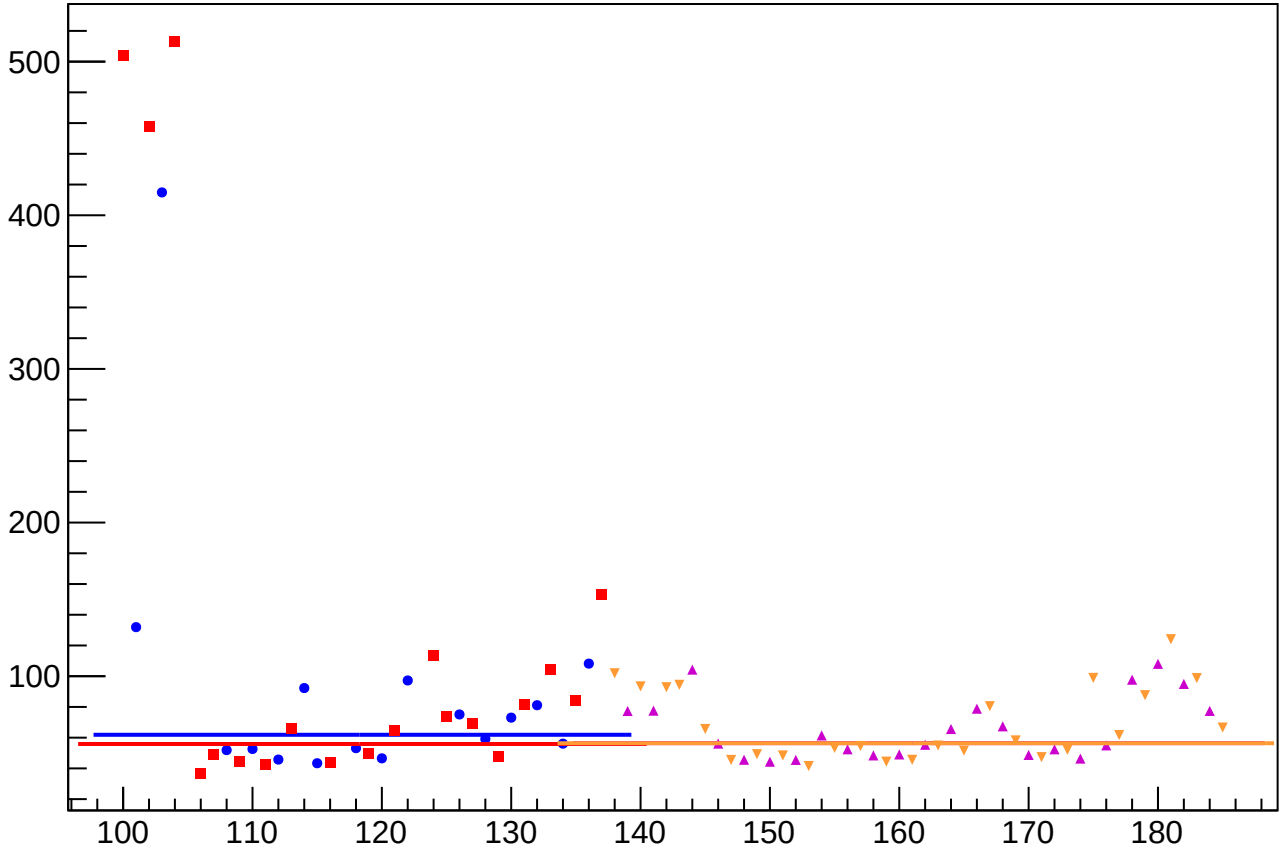
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/40

All: 0.004+/-0.009 χ^2/NDF: 93.2/82

- 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: 56.374+/-0.010 χ^2/NDF:2797305.0/24

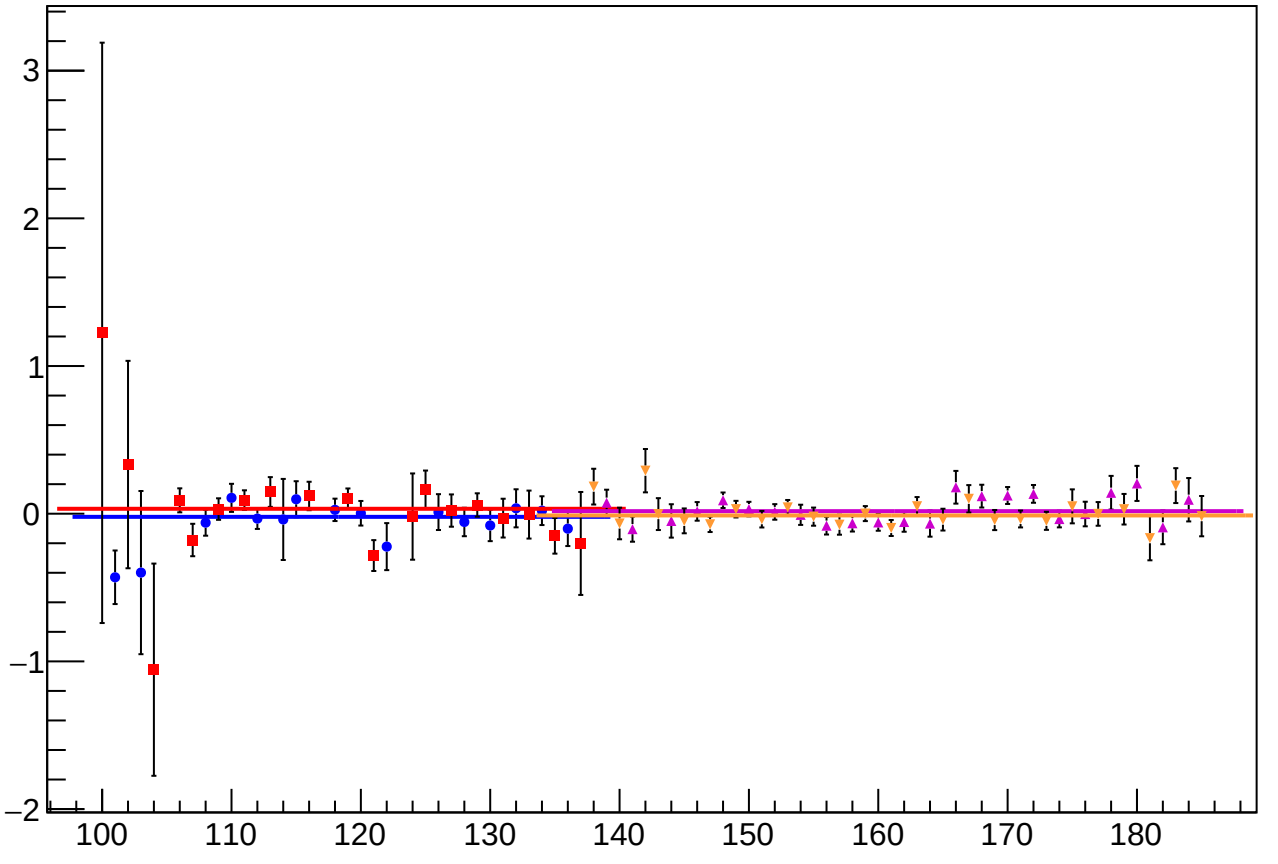
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 57.613+/-0.009 χ^2/NDF: 4801784.3/40

All: 56.959+/-0.006 χ^2/NDF: 9544628.4/82

- 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:21.8/24

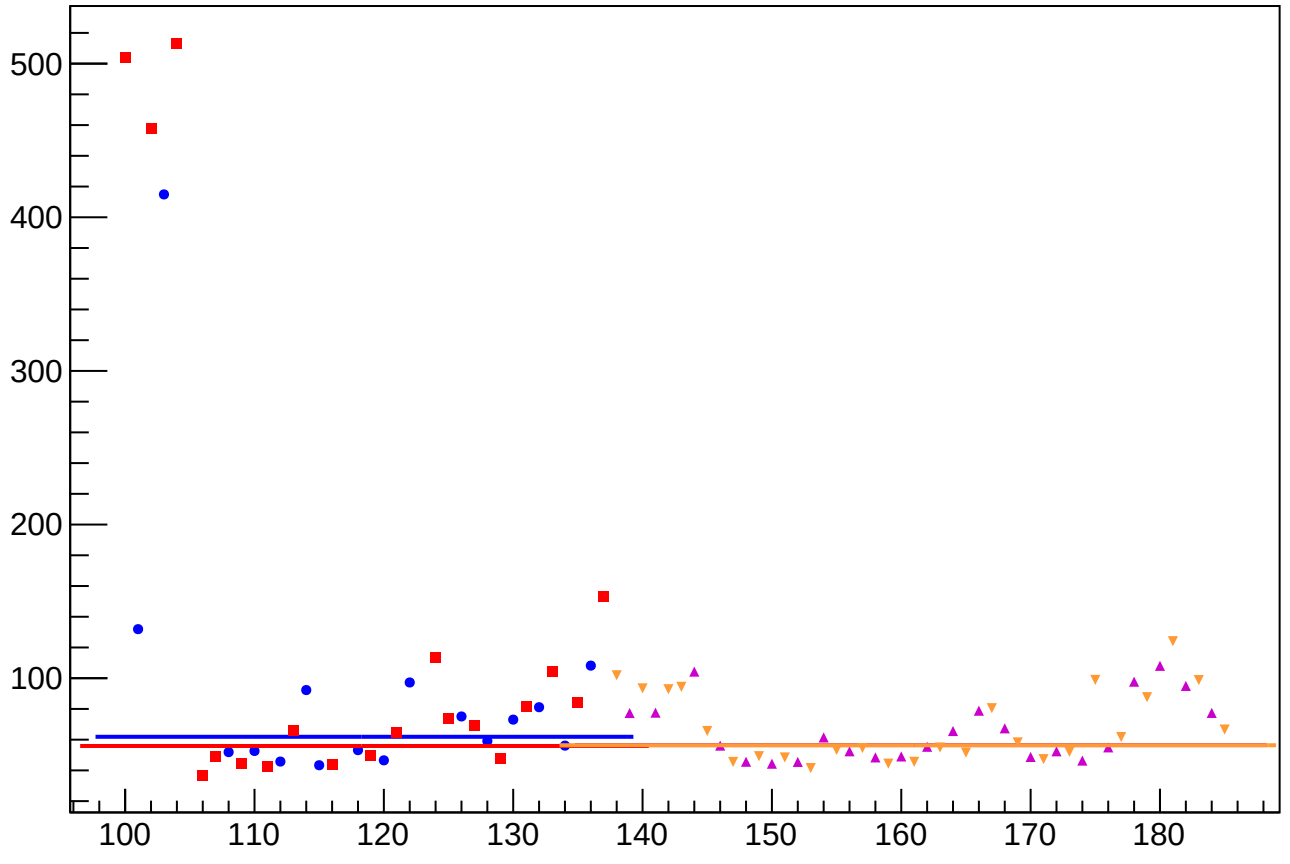
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

\+ sign -0.014+/-0.013 χ^2/NDF: 33.9/40

All: 0.004+/-0.009 χ^2/NDF: 93.2/82

\- 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: 56.374+/-0.010 χ^2/NDF:2797305.0/24

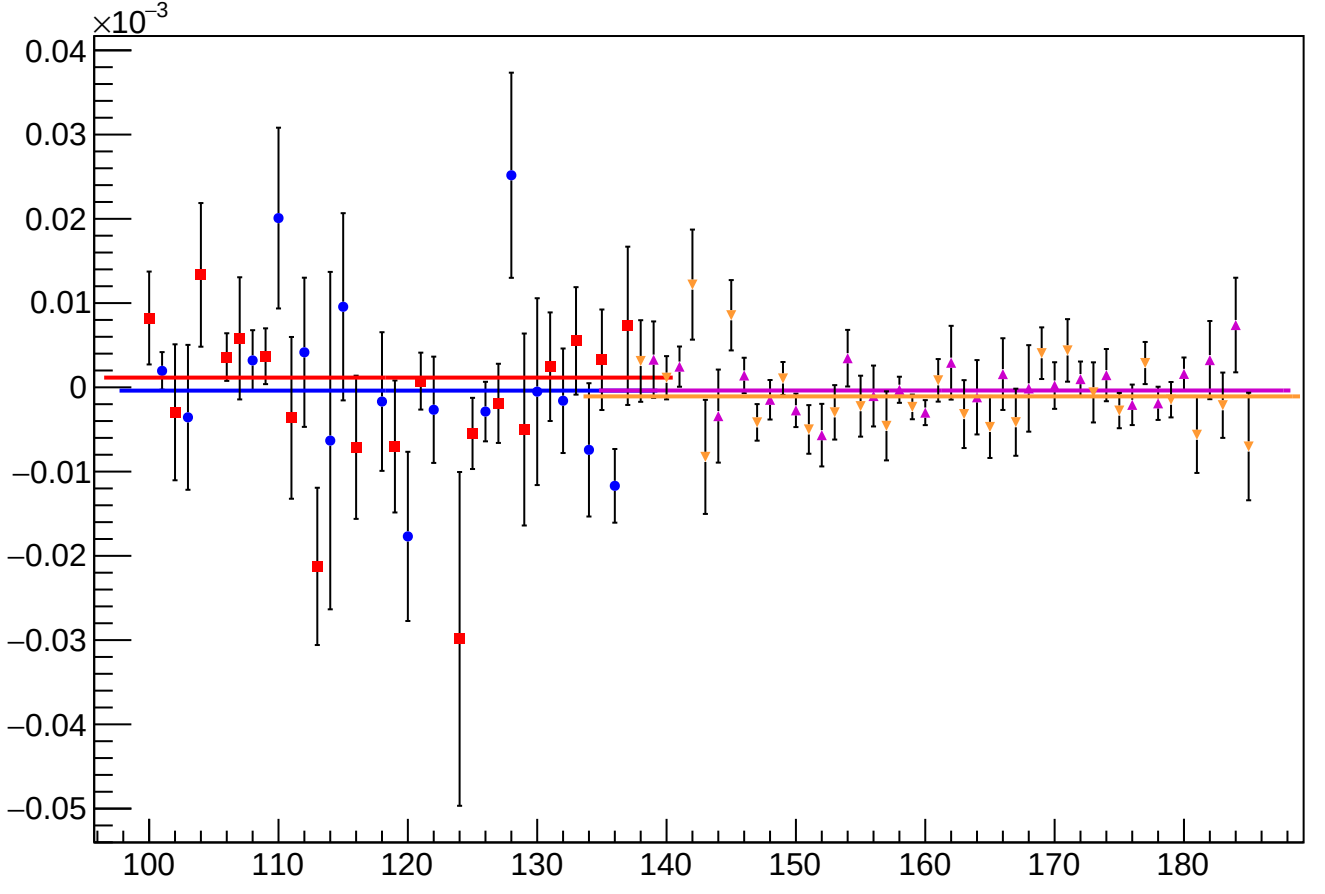
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 57.613+/-0.009 χ^2/NDF: 4801784.3/40

All: 56.959+/-0.006 χ^2/NDF: 9544628.4/82

- 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:31.6/24

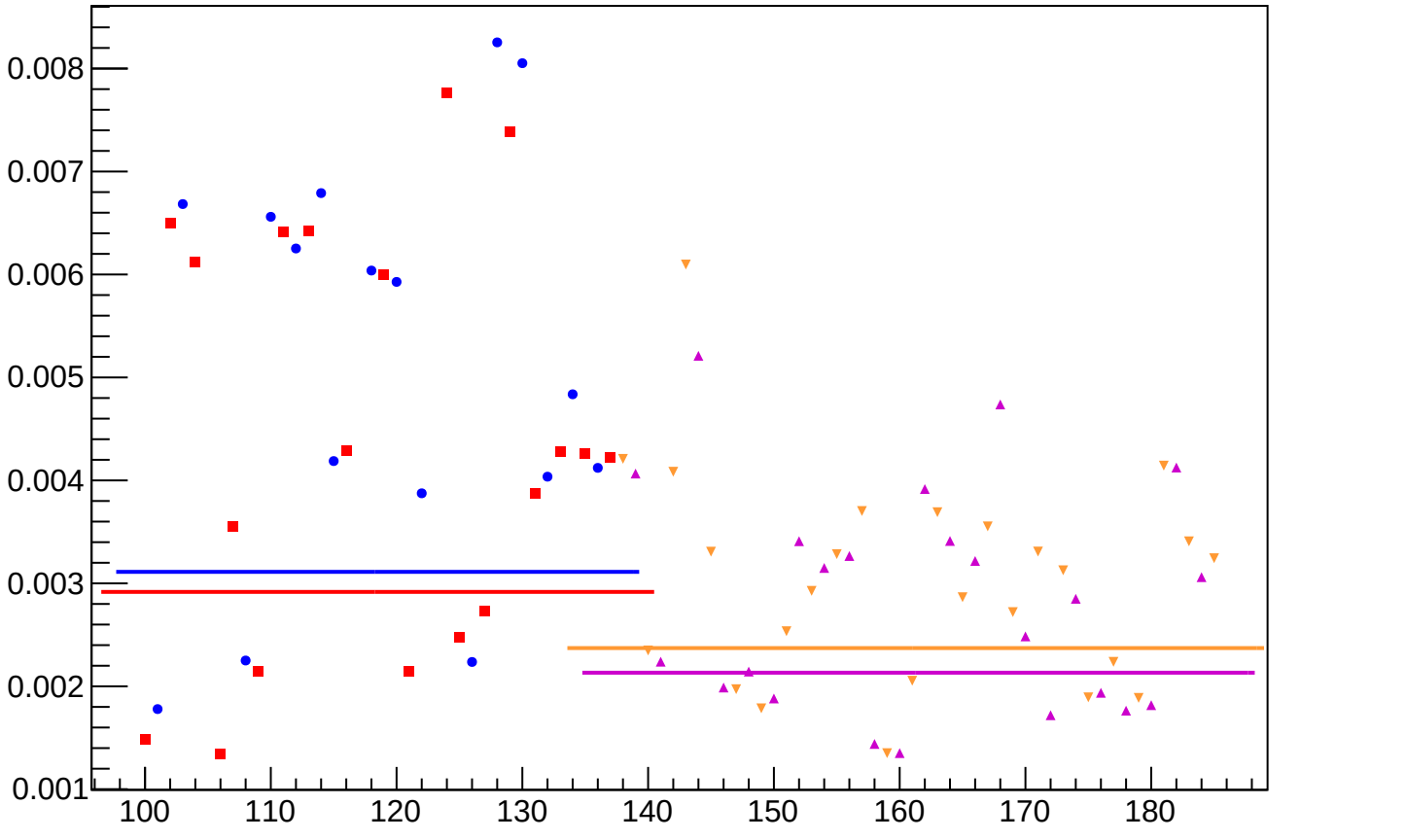
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/40

All: -0.000+/-0.000 χ^2/NDF: 94.8/82

- 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:4161142.1/24

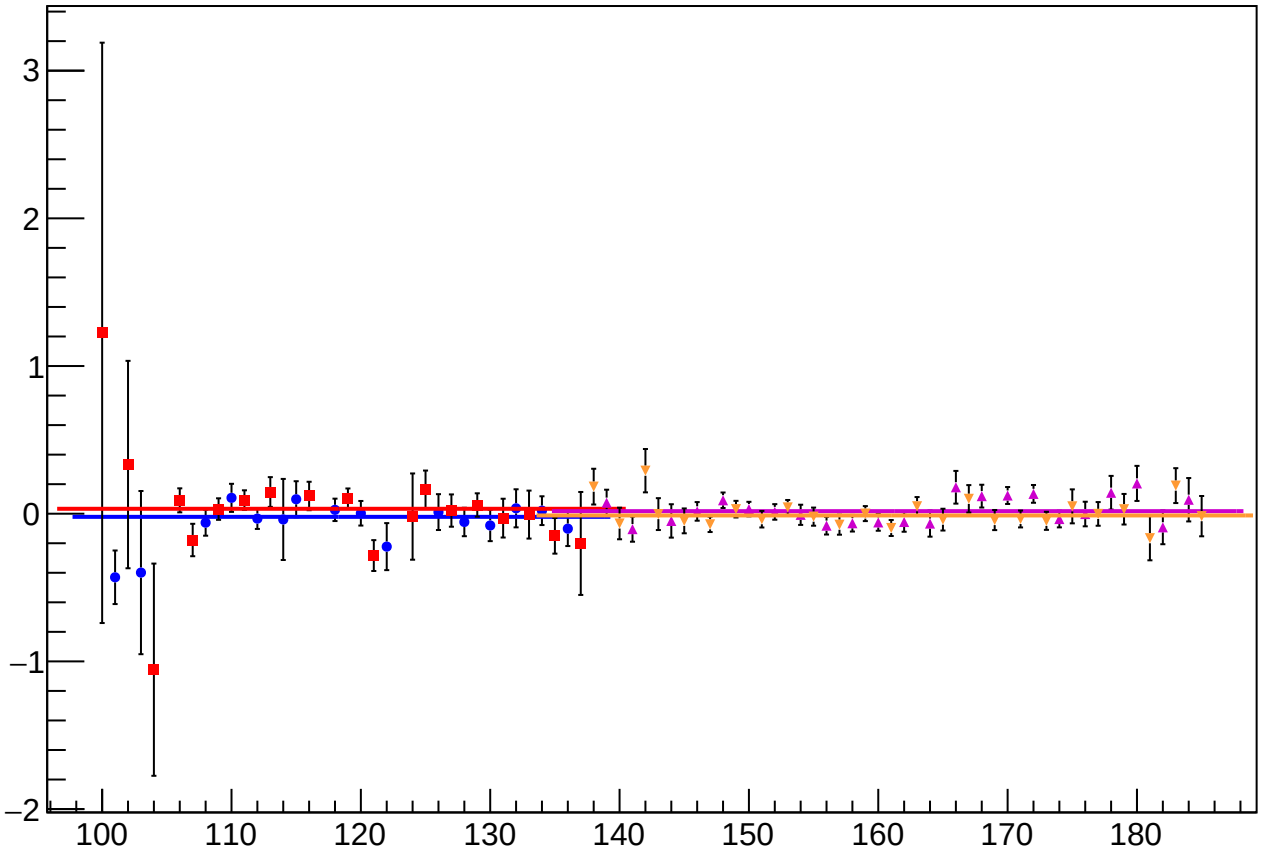
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 7964148.7/40

All: 0.002+/-0.000 χ^2/NDF: 16654121.5/82

- sign 0.002+/-0.000 χ^2/NDF: 8479533.0/41



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

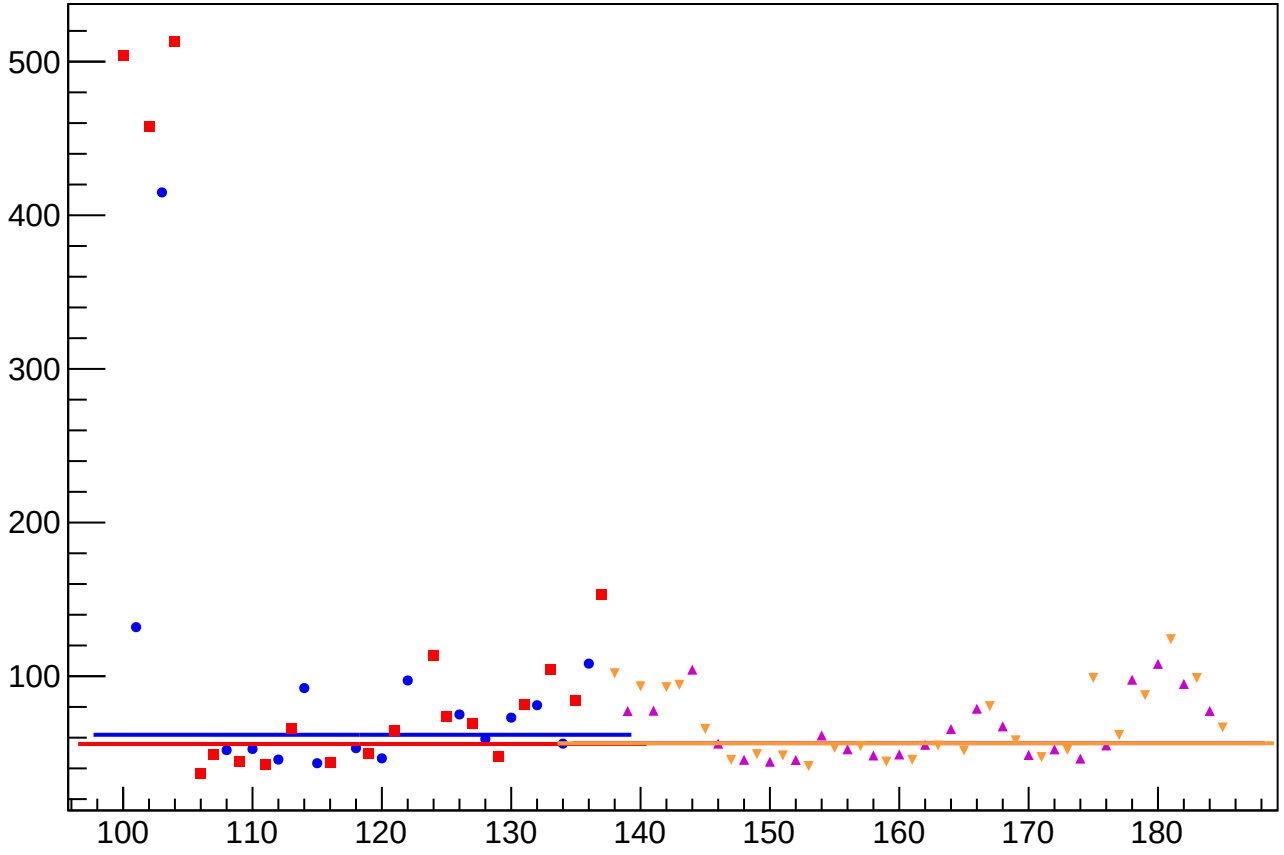
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

\+ sign -0.014+/-0.013 χ^2/NDF: 33.9/40

All: 0.004+/-0.009 χ^2/NDF: 93.2/82

\- sign 0.021+/-0.012 χ^2/NDF: 55.3/41

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

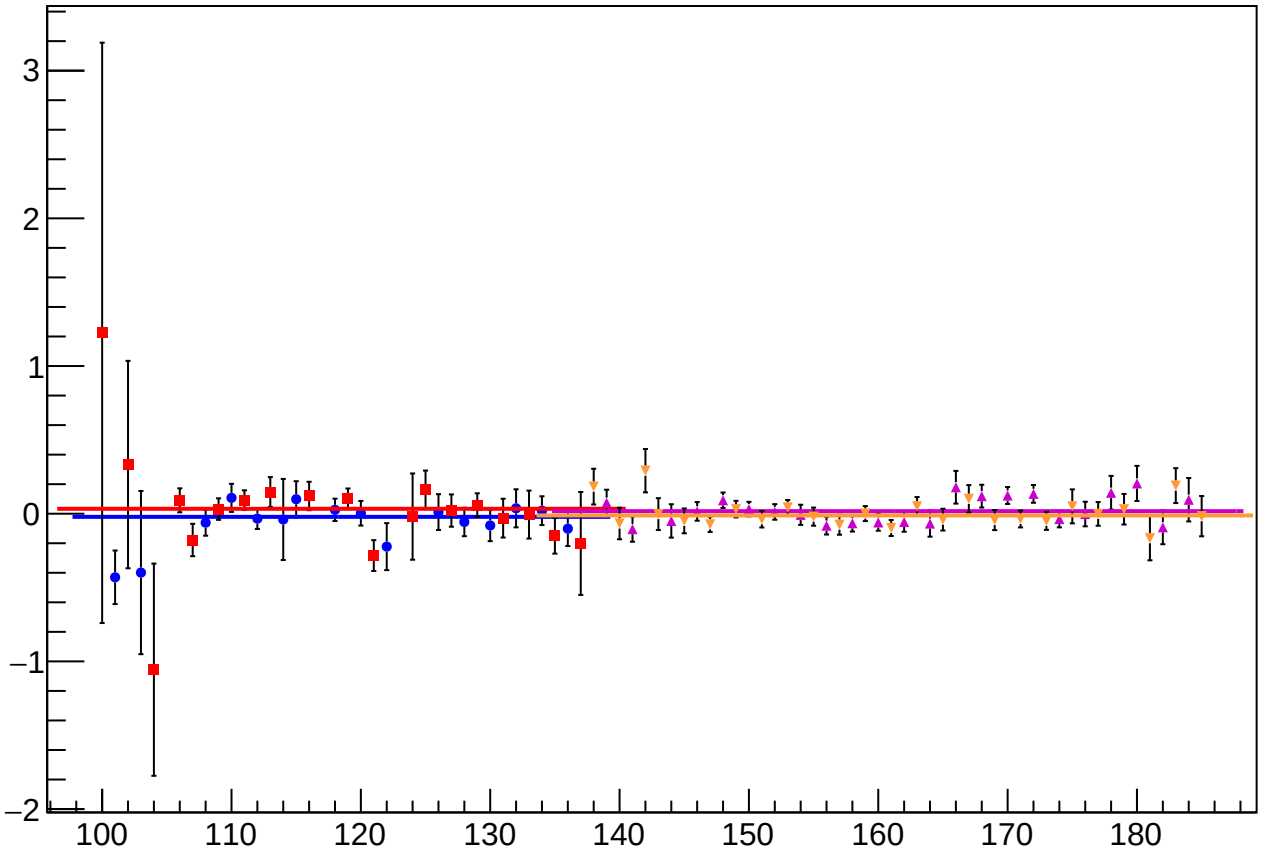
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.613+/-0.009 χ^2/NDF: 4801789.7/40

All: 56.959+/-0.006 χ^2/NDF: 9544581.7/82

- 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:21.8/24

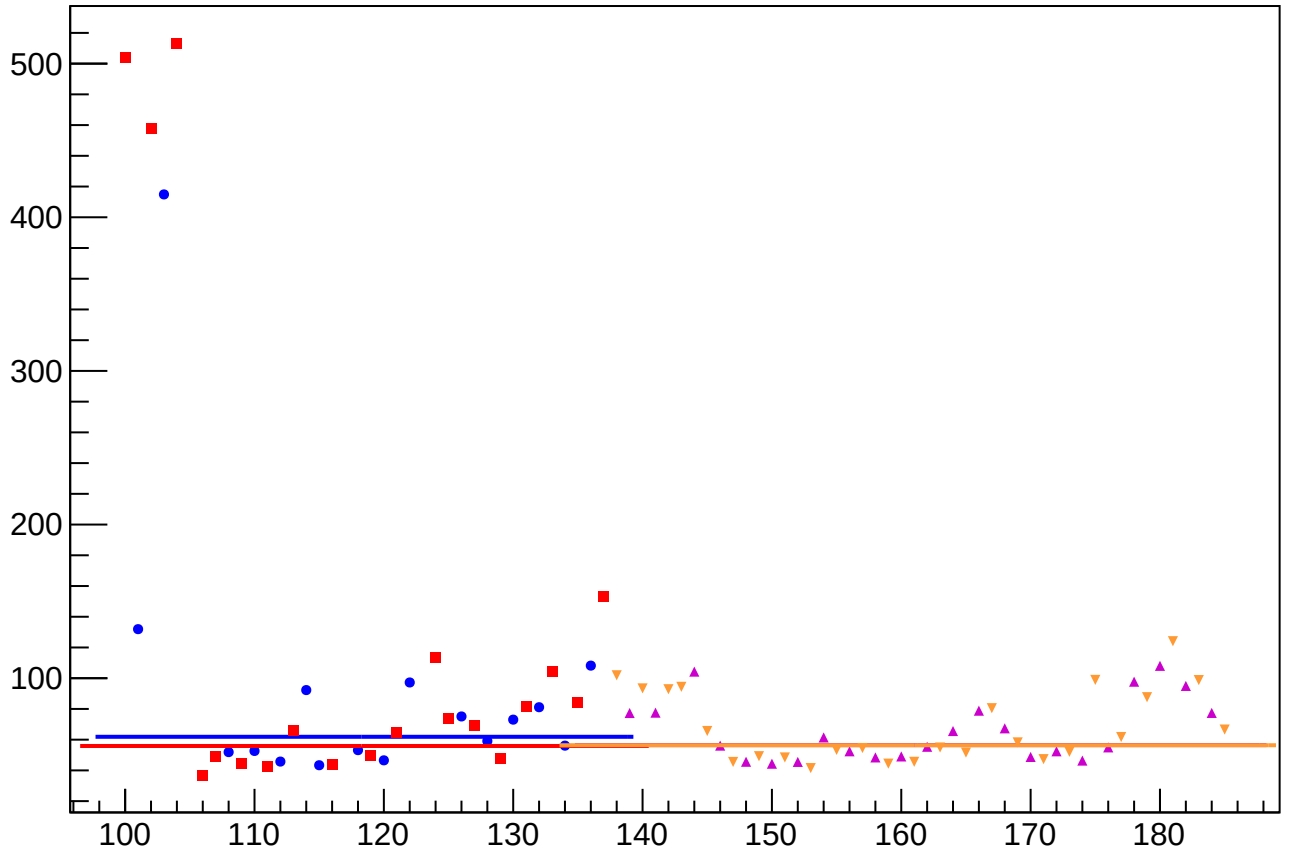
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/40

All: 0.004+/-0.009 χ^2/NDF: 93.2/82

- 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: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

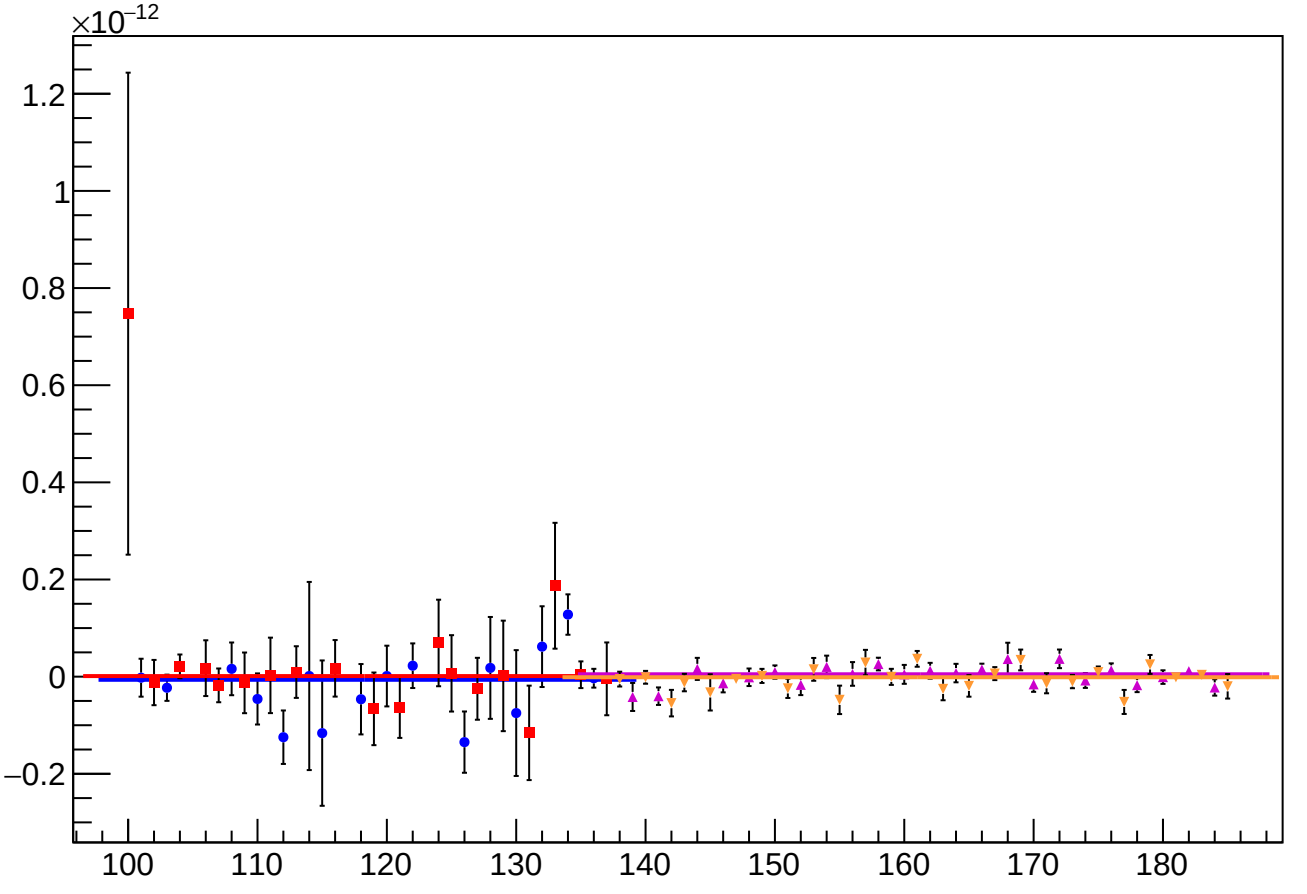
Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.613+/-0.009 χ^2/NDF: 4801789.7/40

All: 56.959+/-0.006 χ^2/NDF: 9544581.7/82

- sign 56.317+/-0.009 χ^2/NDF: 4732126.0/41

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

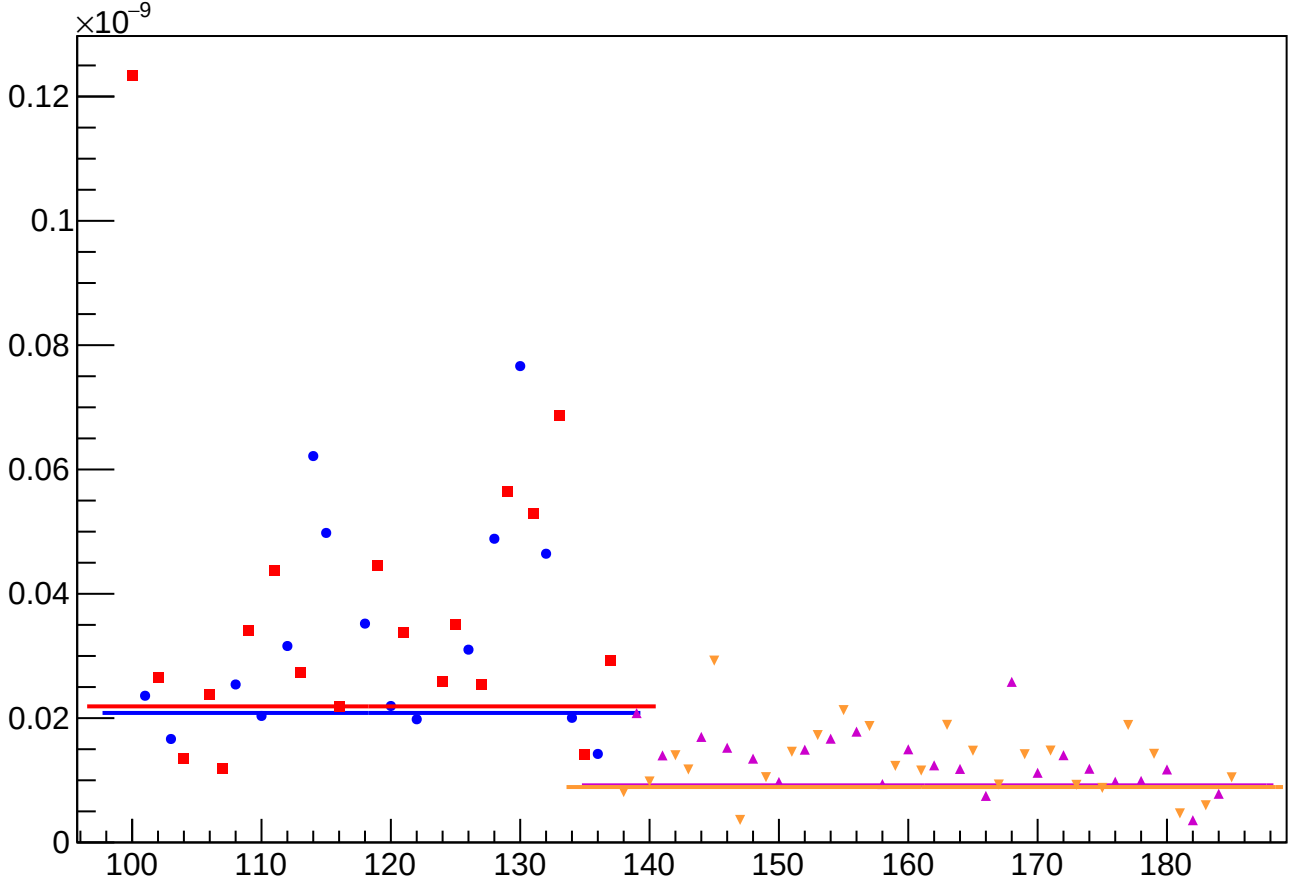
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.4/40

All: 0.000+/-0.000 χ^2/NDF: 92.9/82

- sign 0.000+/-0.000 χ^2/NDF: 38.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

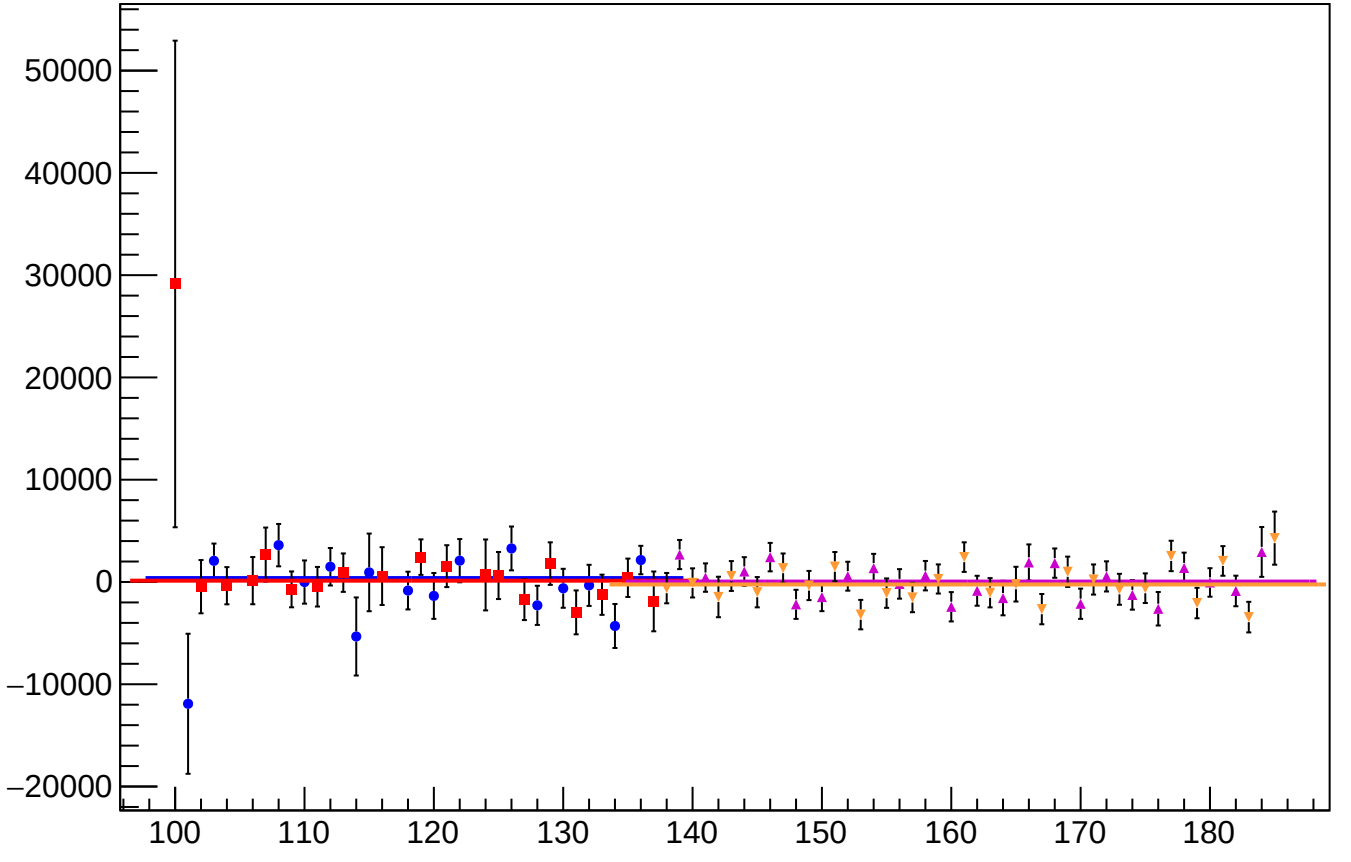
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8528668.3/40

All: 0.000+/-0.000 χ^2/NDF: 17668802.7/82

- sign 0.000+/-0.000 χ^2/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: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

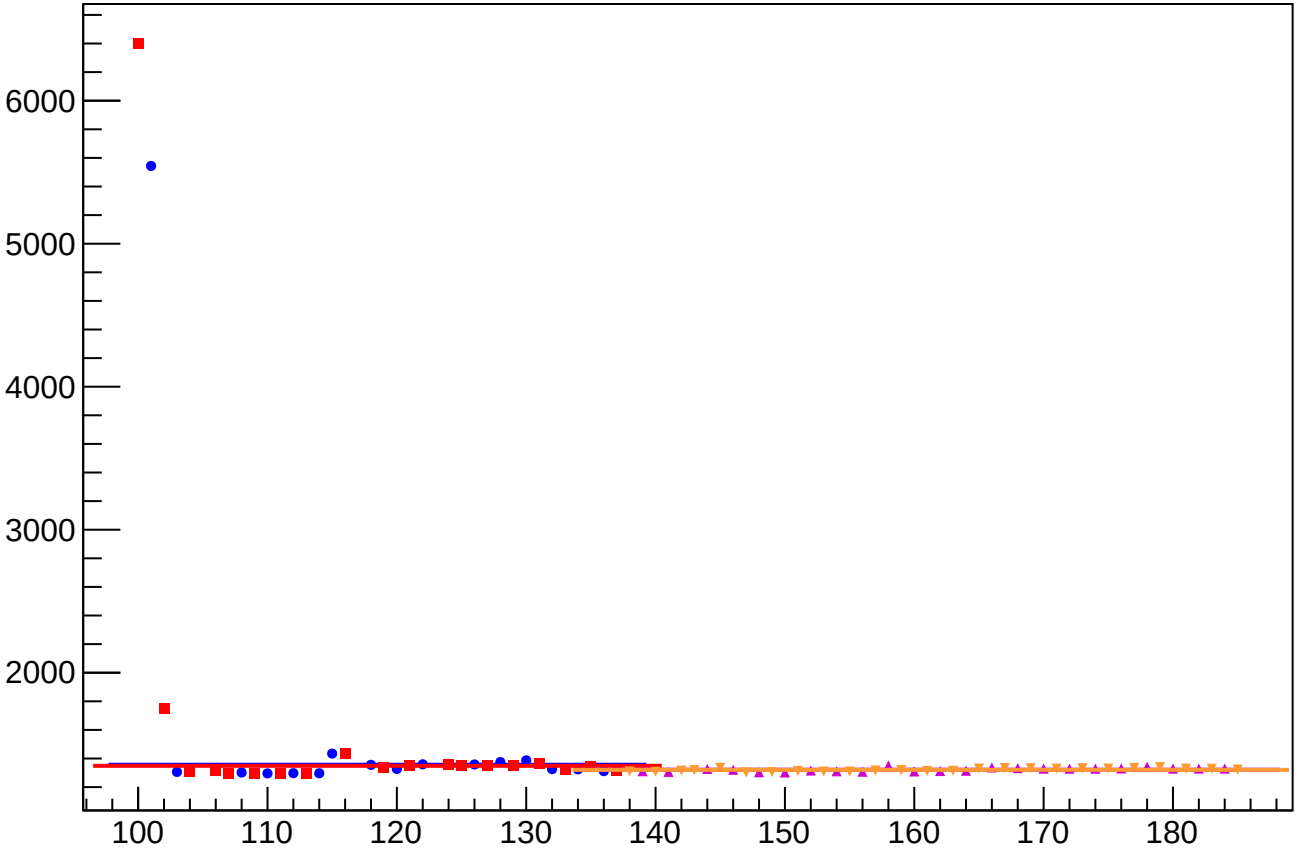
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -84.475+/-259.583 χ^2/NDF: 54.3/40

All: -11.363+/-184.668 χ^2/NDF: 91.6/82

- 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: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

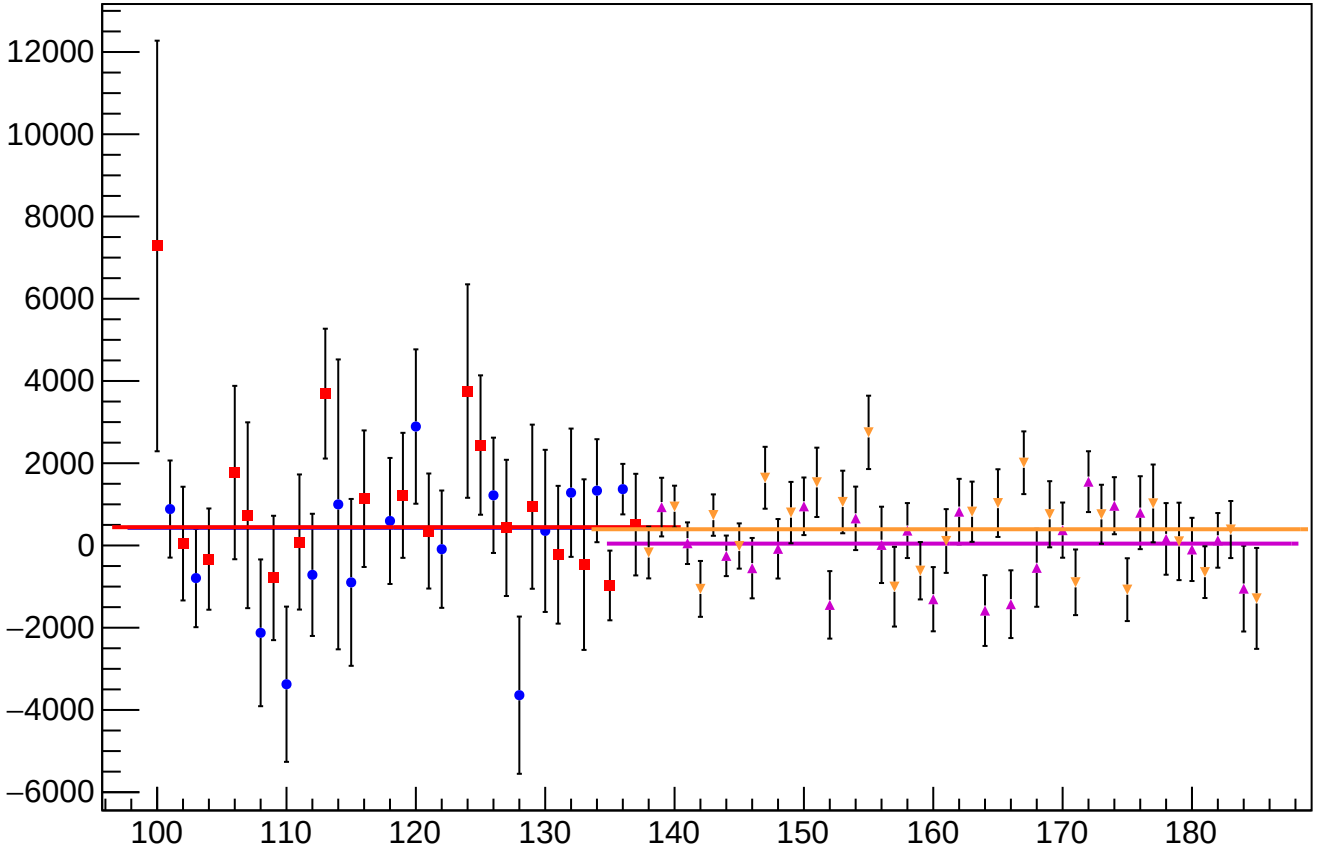
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.702+/-0.184 χ^2/NDF: 769969.3/40

All: 1329.485+/-0.131 χ^2/NDF: 925062.1/82

- 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: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

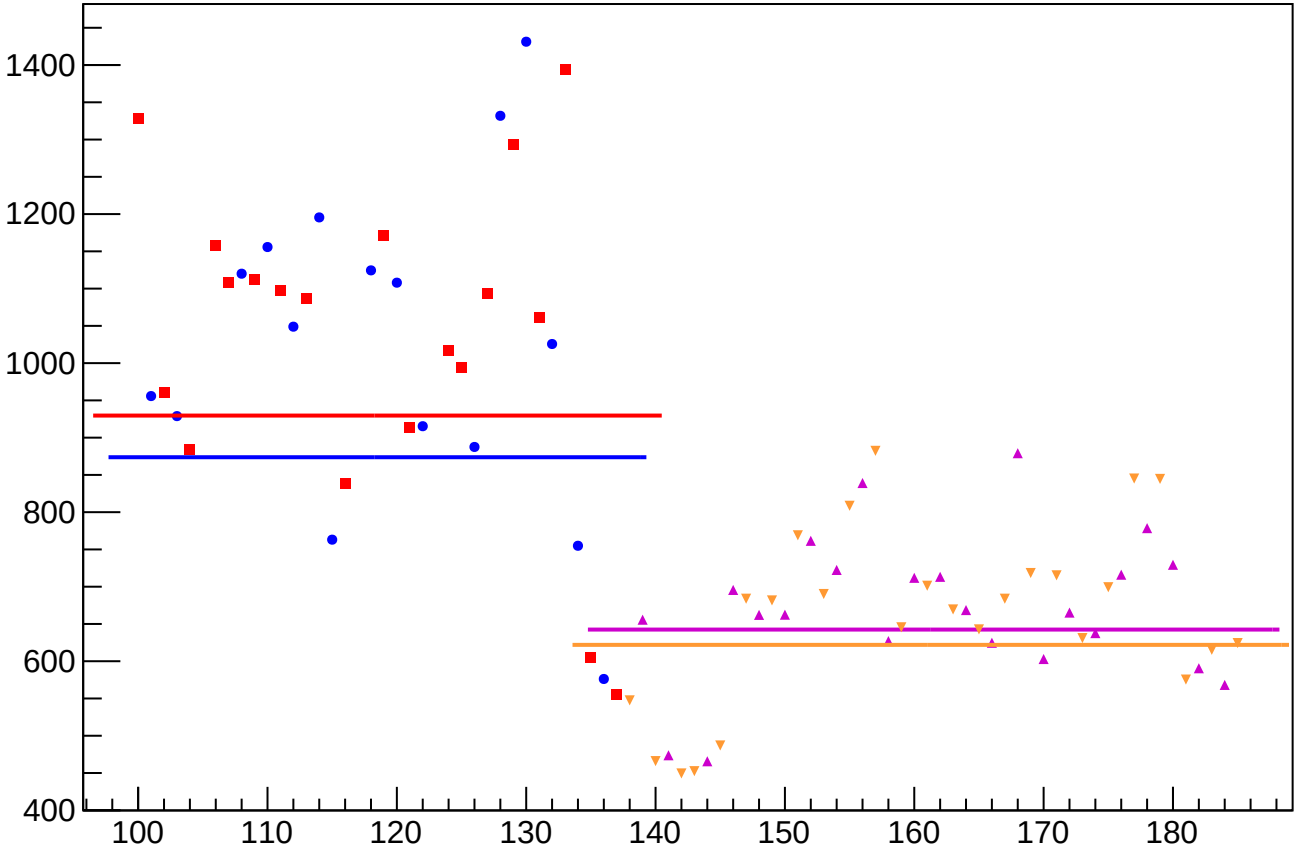
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 400.075+/-132.943 χ^2/NDF: 60.1/40

All: 261.026+/-96.411 χ^2/NDF: 105.4/82

- 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: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

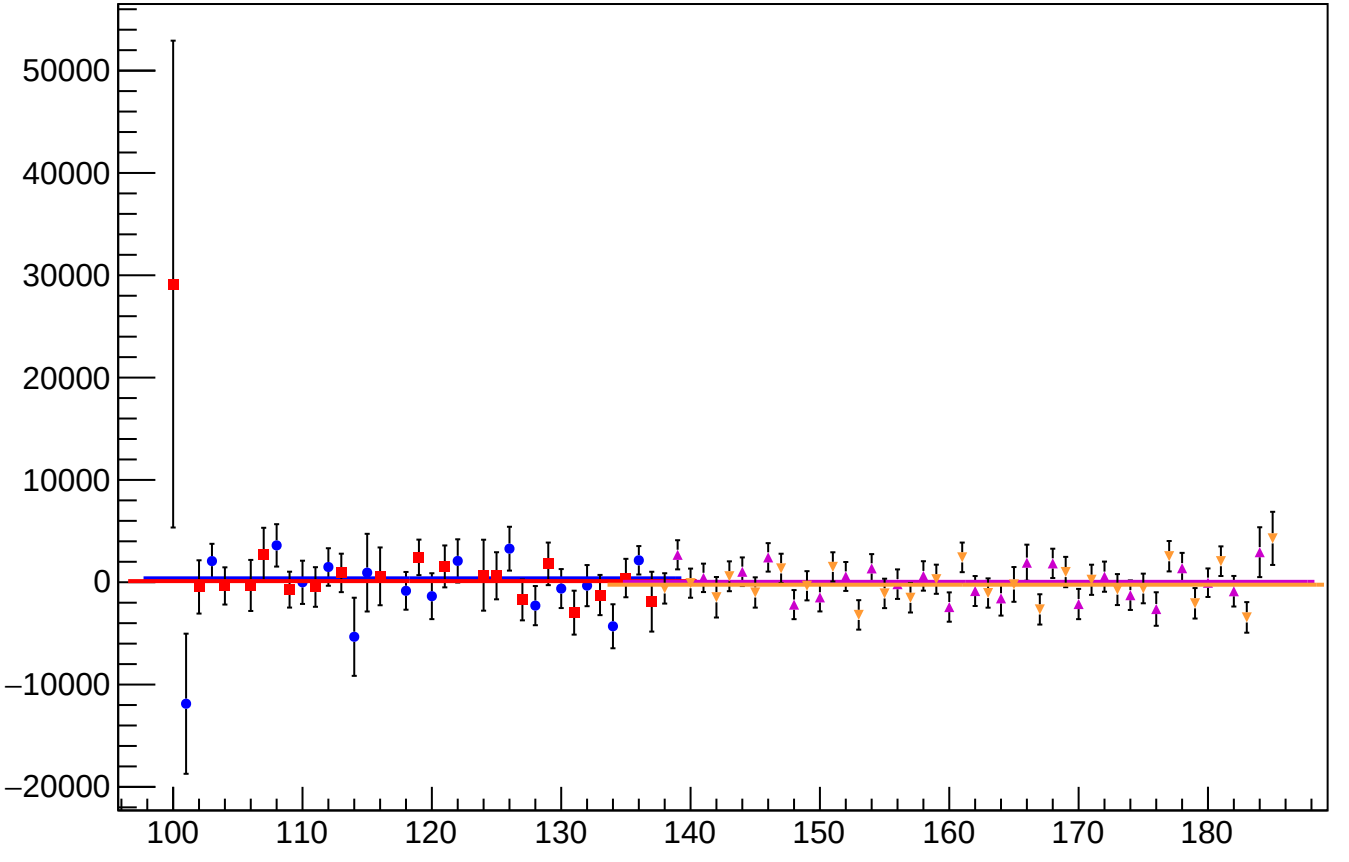
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 660.796+/-0.094 χ^2/NDF: 3334370.0/40

All: 673.218+/-0.068 χ^2/NDF: 6259548.8/82

- 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: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

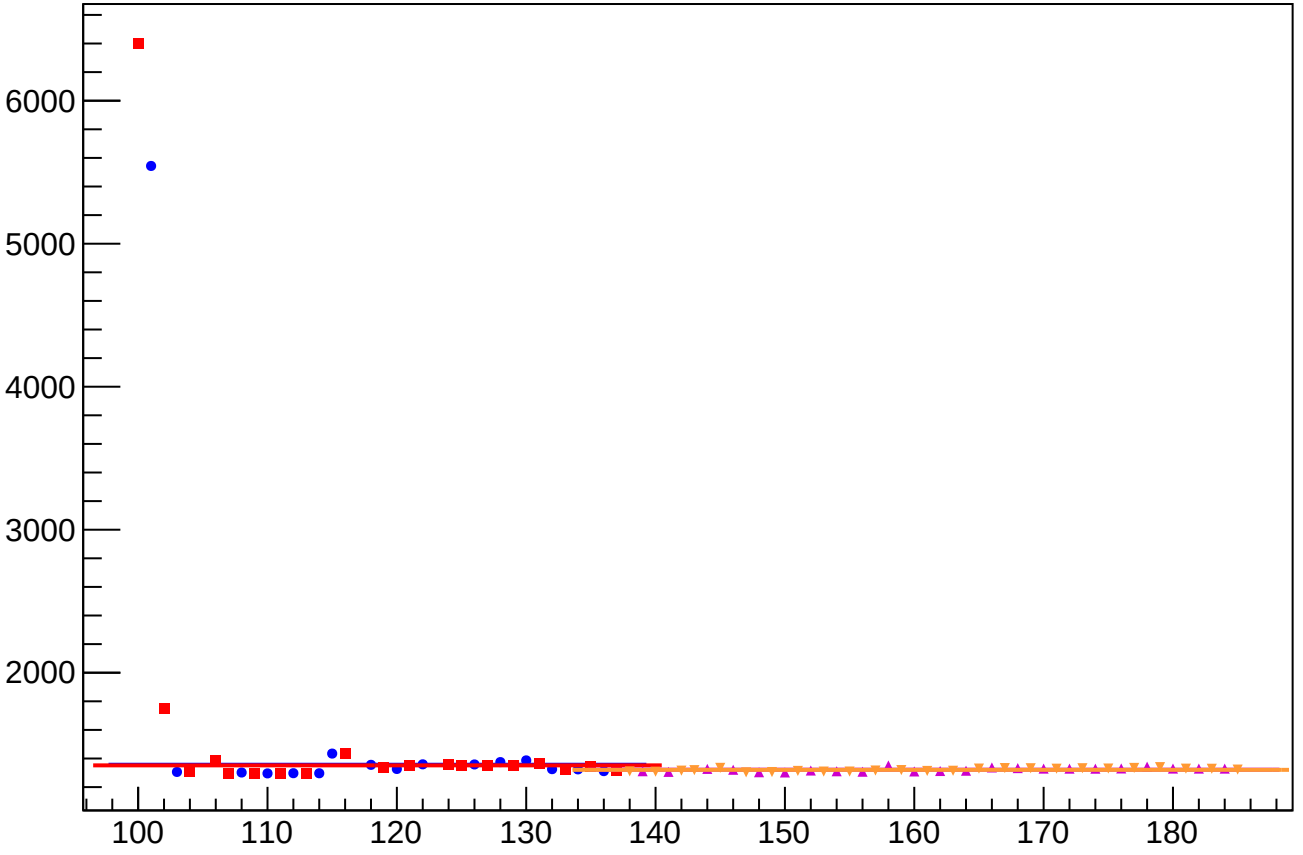
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -84.399+/-259.583 χ^2/NDF: 54.3/40

All: -13.812+/-184.753 χ^2/NDF: 91.6/82

- 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: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

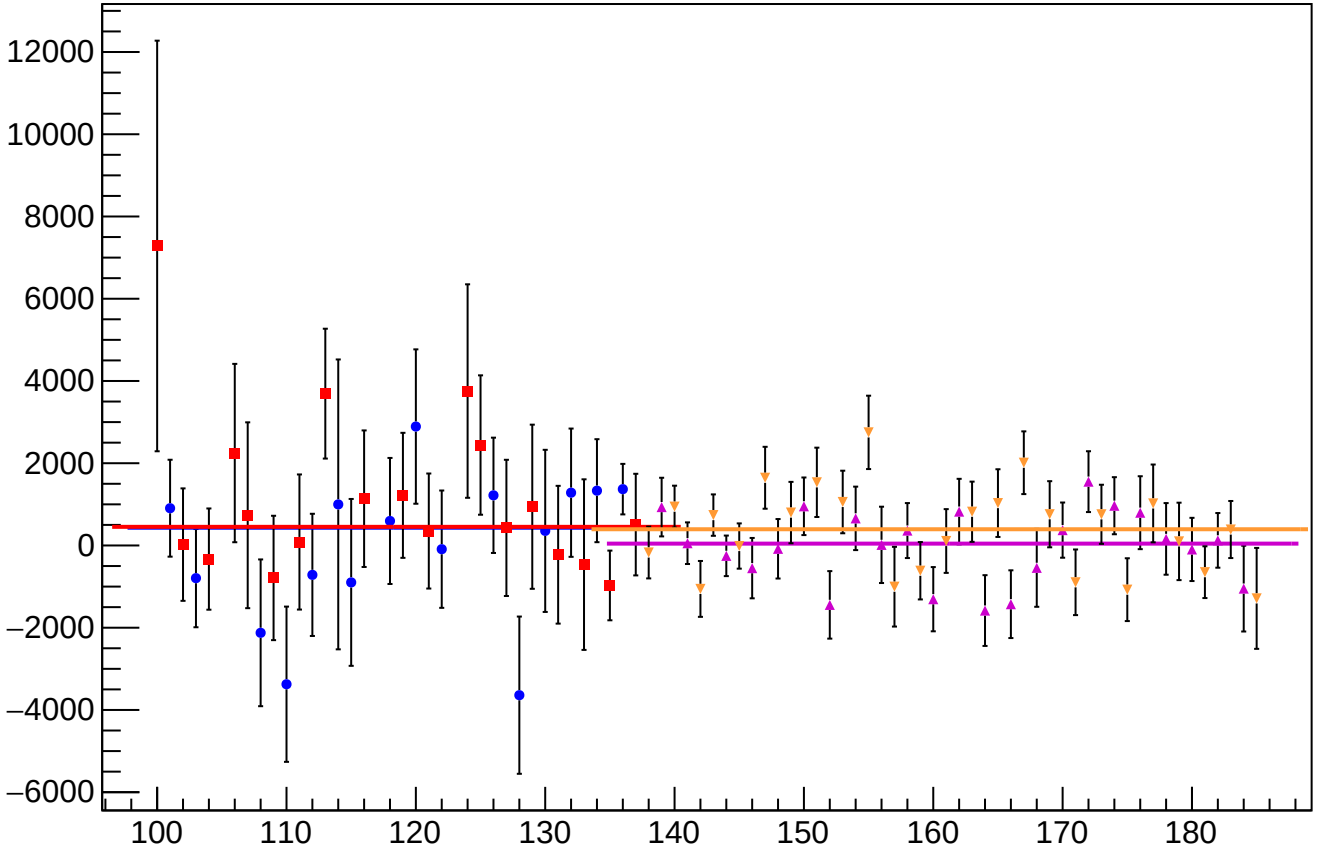
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.702+/-0.184 χ^2/NDF: 769968.3/40

All: 1329.887+/-0.131 χ^2/NDF: 926127.5/82

- 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: 394.522+/-144.562 χ^2/NDF:41.8/24

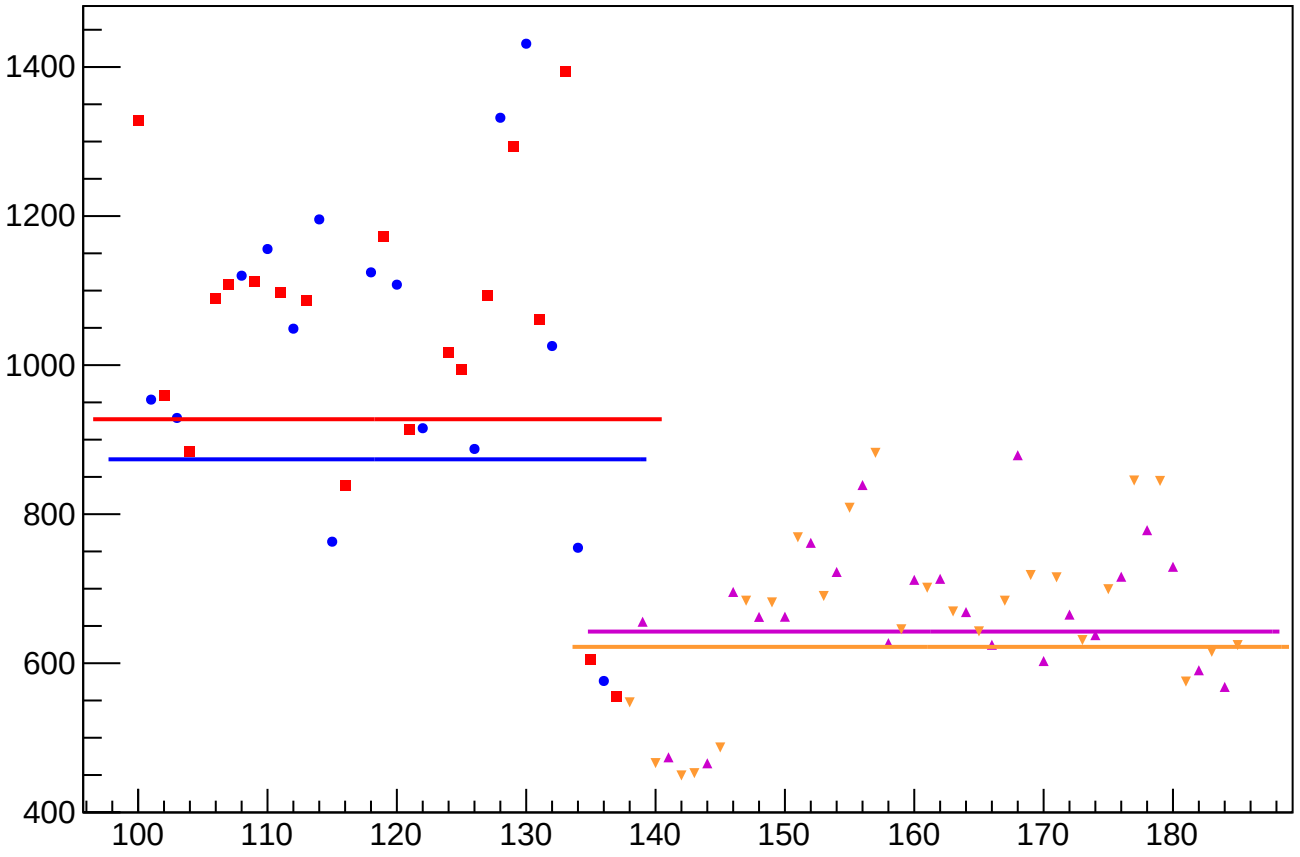
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 400.327+/-132.940 χ^2/NDF: 60.1/40

All: 261.779+/-96.410 χ^2/NDF: 105.8/82

- sign 108.071+/-140.025 χ^2/NDF: 43.4/41



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

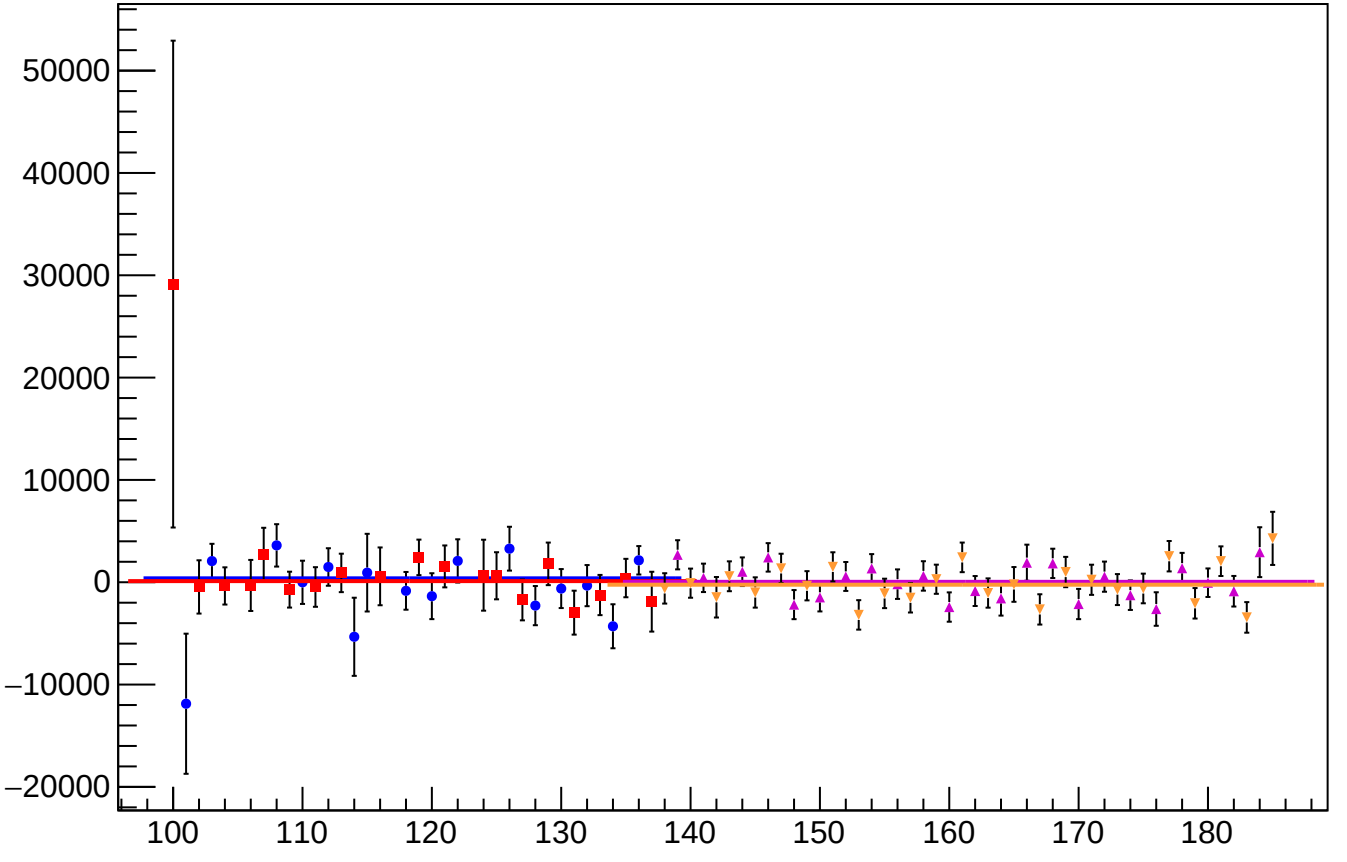
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 660.787+/-0.094 χ^2/NDF: 3333140.6/40

All: 673.046+/-0.068 χ^2/NDF: 6227822.7/82

- 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: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

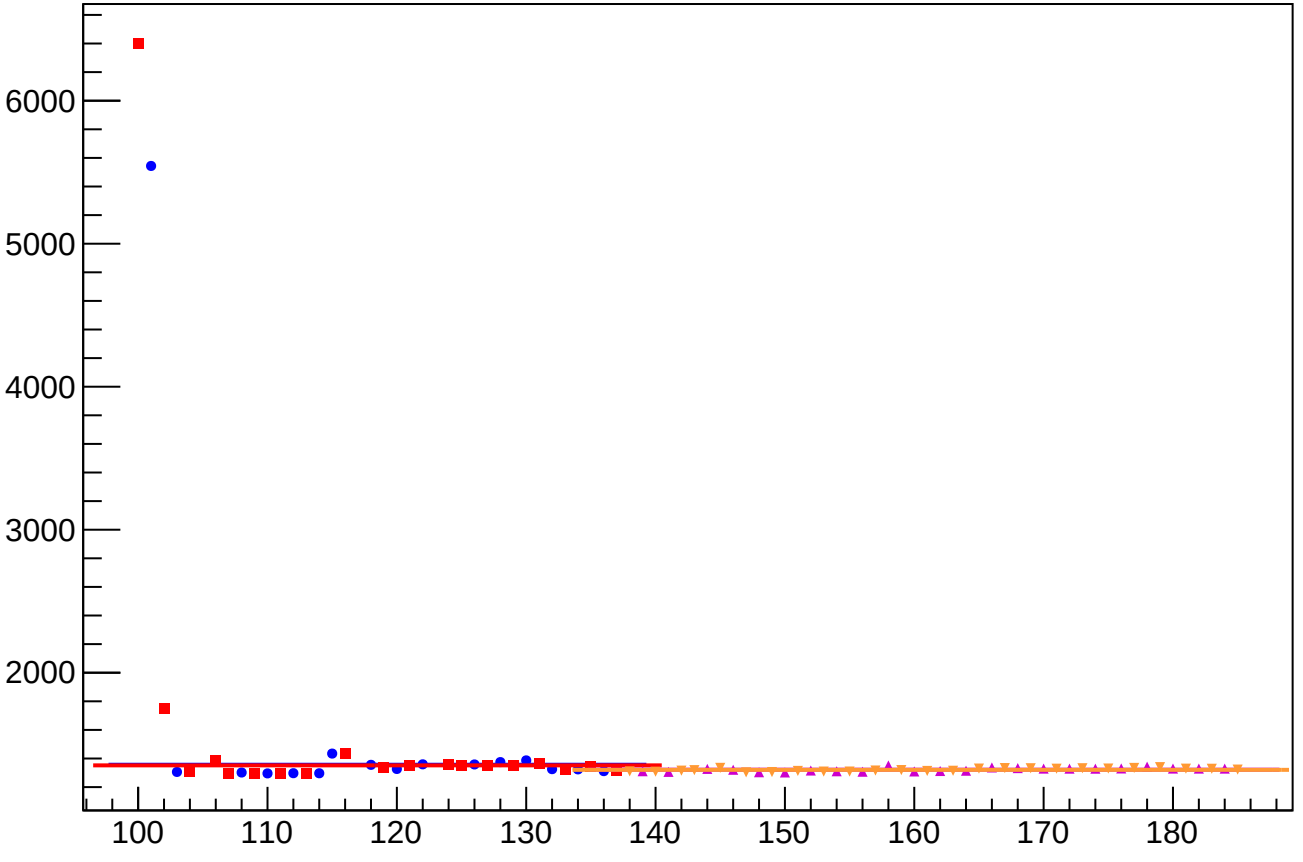
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -84.399+/-259.583 χ^2/NDF: 54.3/40

All: -13.812+/-184.753 χ^2/NDF: 91.6/82

- 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: 1320.740+/-0.212 χ^2/NDF:2602.3/24

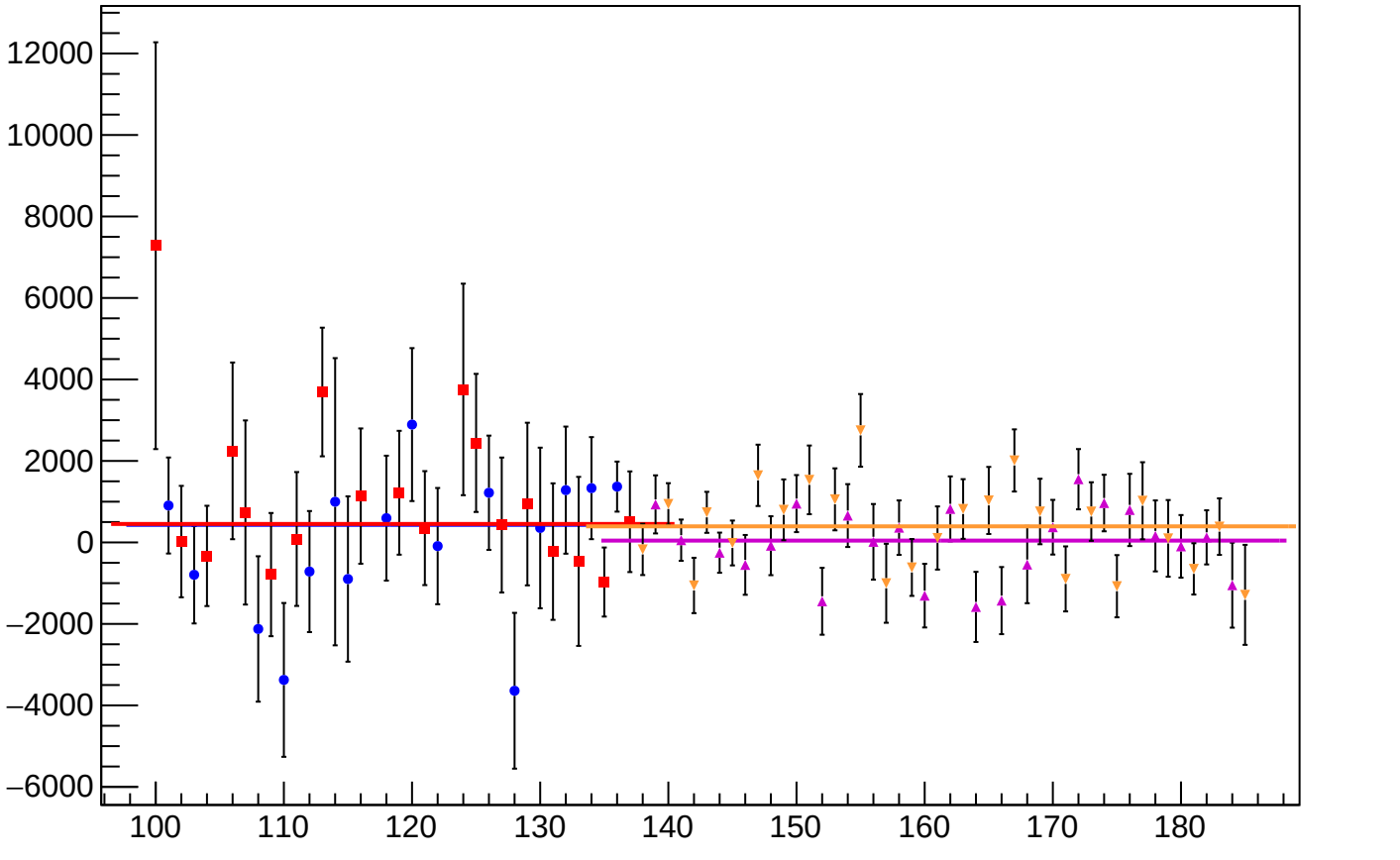
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.702+/-0.184 χ^2/NDF: 769968.3/40

All: 1329.887+/-0.131 χ^2/NDF: 926127.5/82

- 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: 394.522+/-144.562 χ^2/NDF:41.8/24

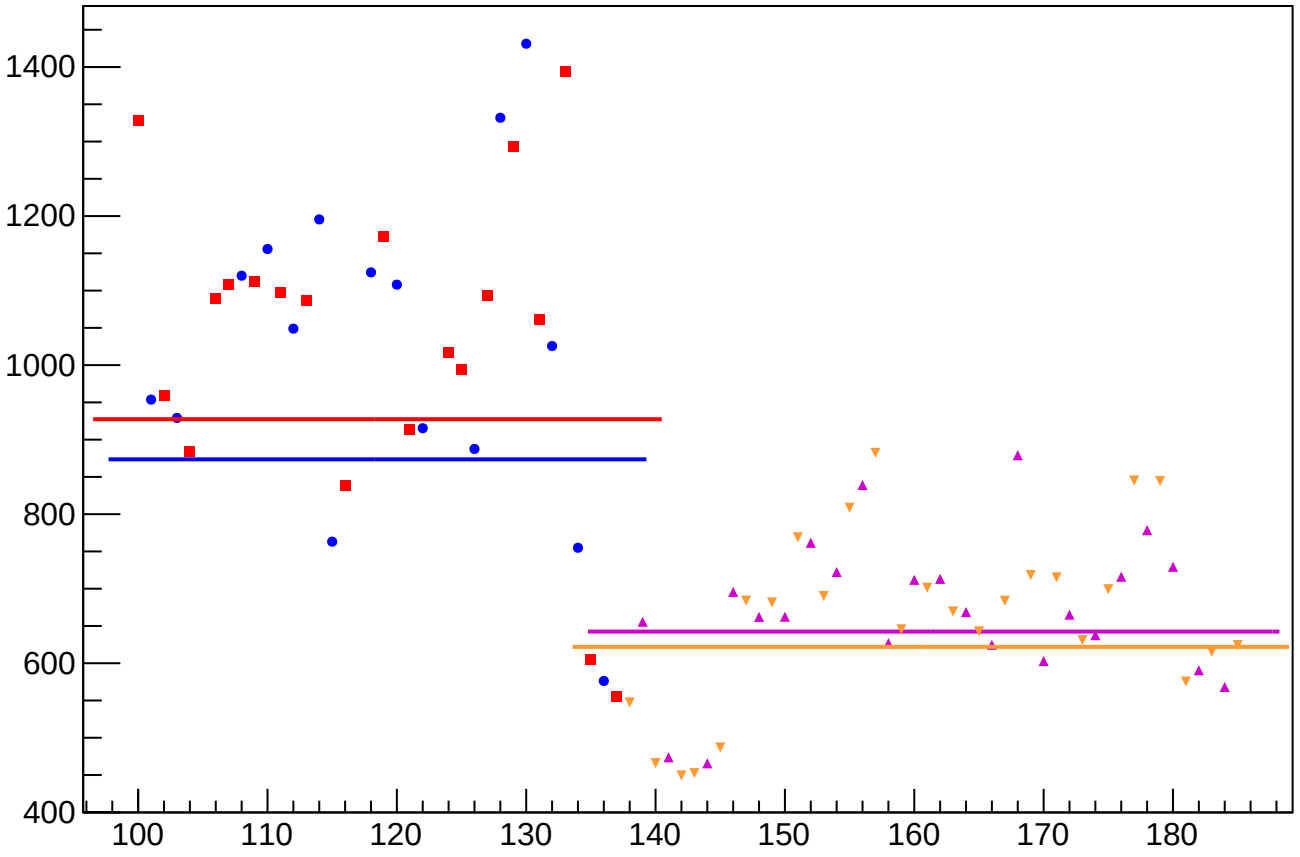
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 400.327+/-132.940 χ^2/NDF: 60.1/40

All: 261.779+/-96.410 χ^2/NDF: 105.8/82

- sign 108.071+/-140.025 χ^2/NDF: 43.4/41



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

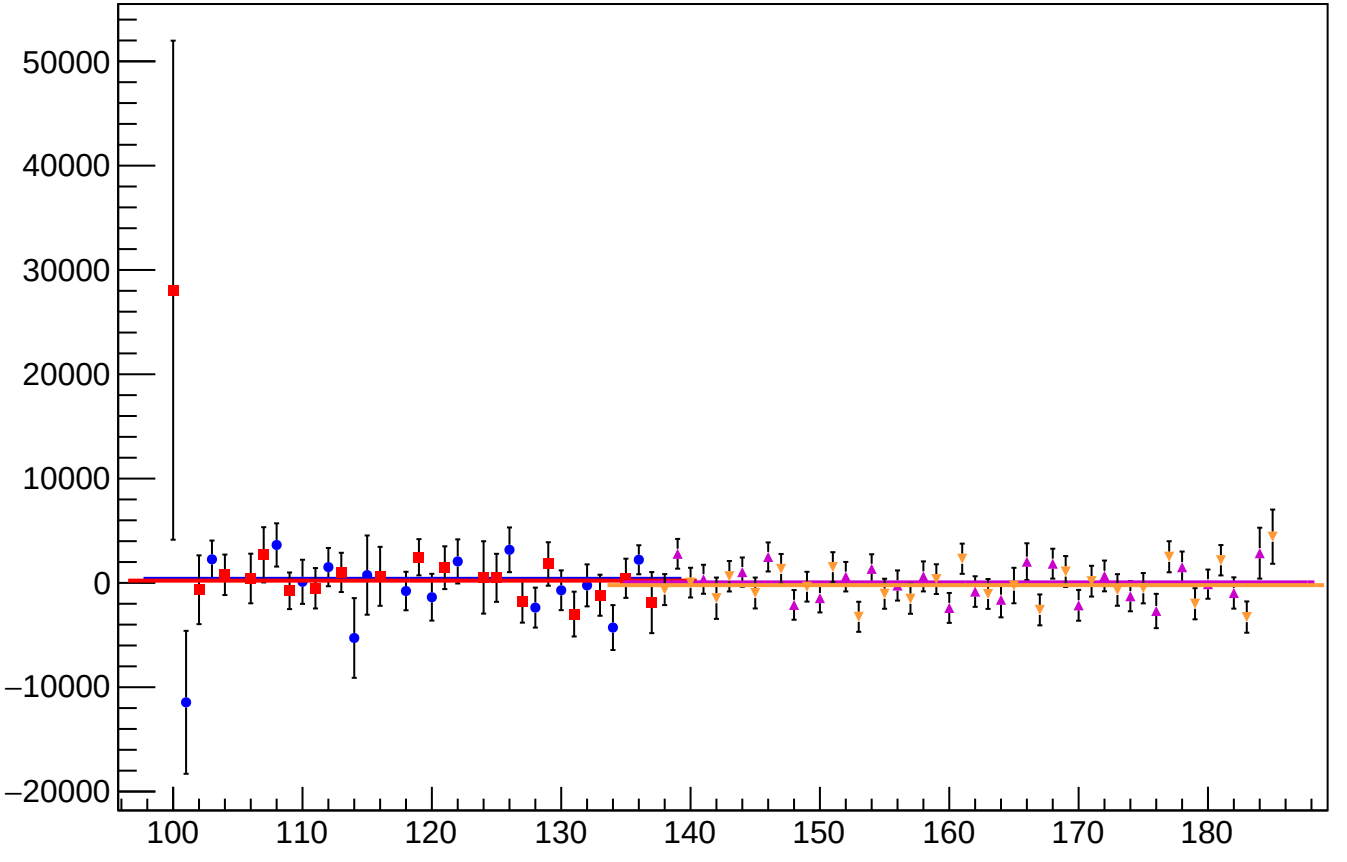
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 660.787+/-0.094 χ^2/NDF: 3333140.6/40

All: 673.046+/-0.068 χ^2/NDF: 6227822.7/82

- 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: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

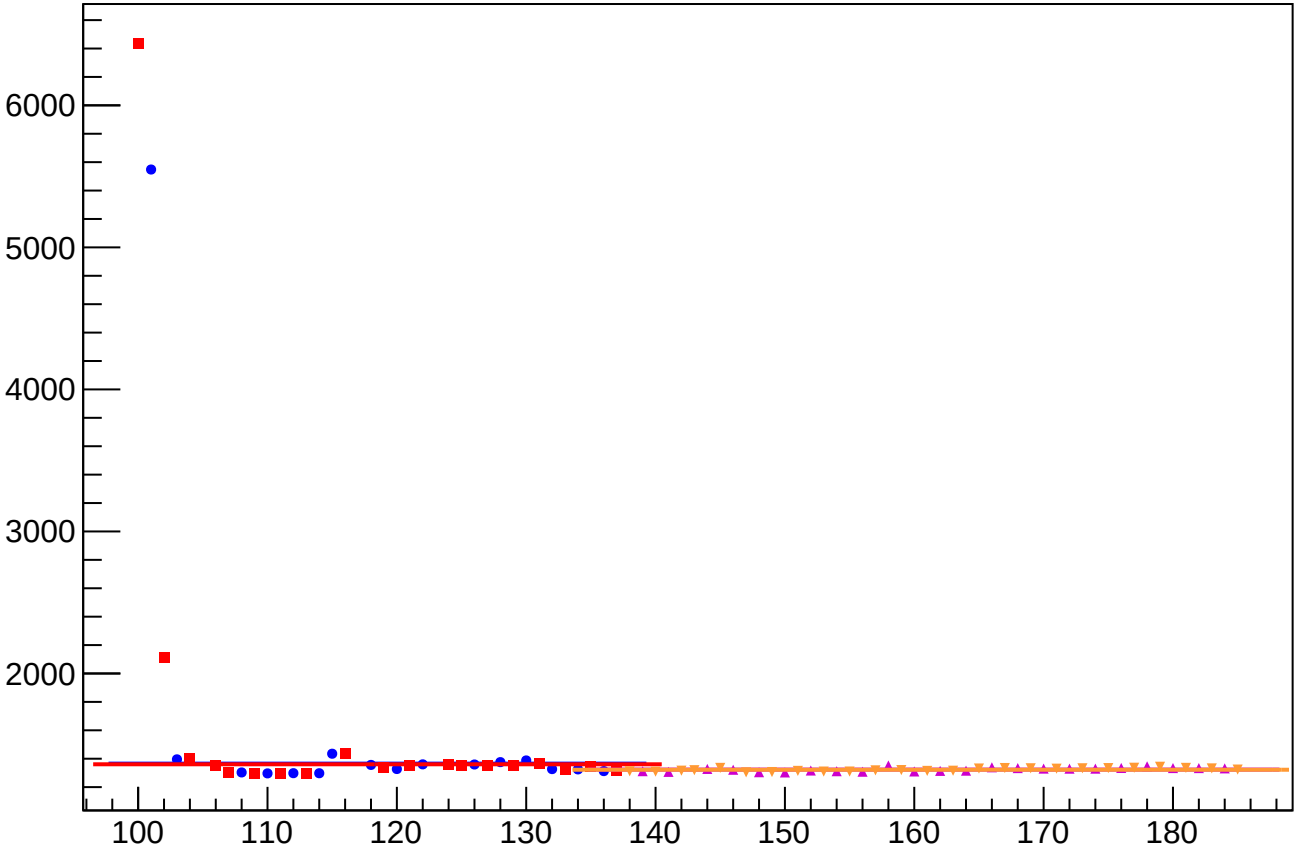
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -64.174+/-260.247 χ^2/NDF: 53.7/40

All: 14.578+/-185.328 χ^2/NDF: 91.7/82

- 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: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

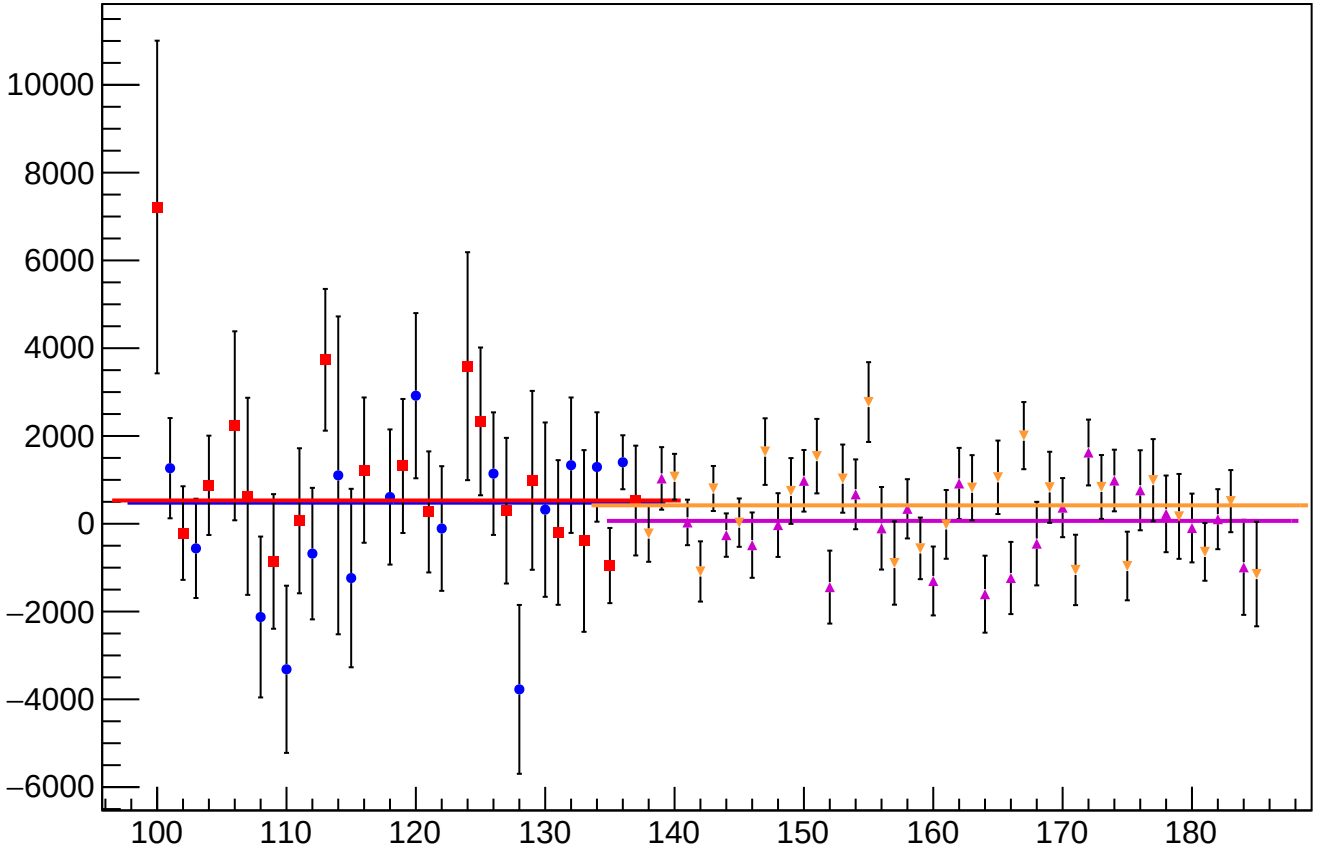
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.075+/-0.184 χ^2/NDF: 772065.0/40

All: 1333.259+/-0.131 χ^2/NDF: 989167.3/82

- 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: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

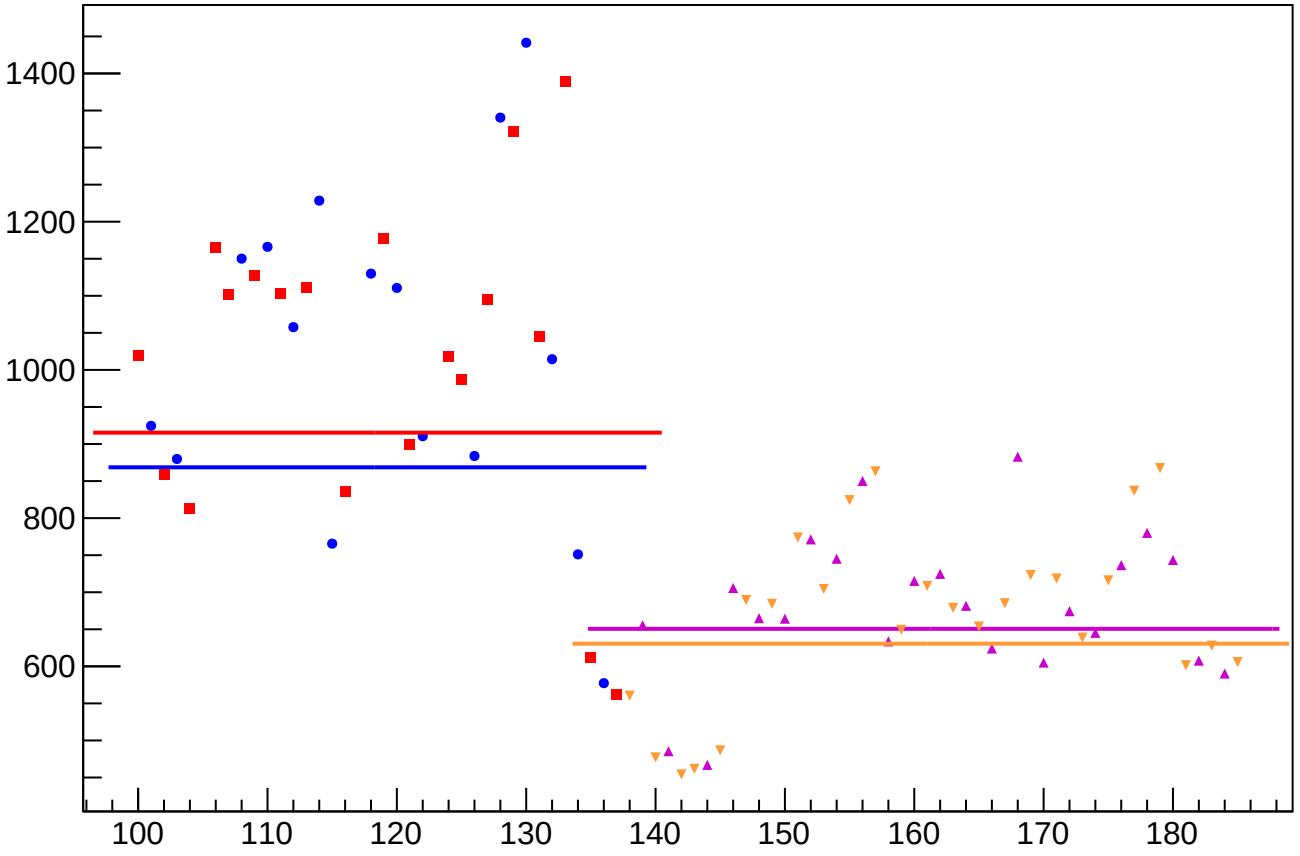
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 429.531+/-134.274 χ^2/NDF: 60.2/40

All: 292.875+/-97.195 χ^2/NDF: 106.5/82

- 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: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

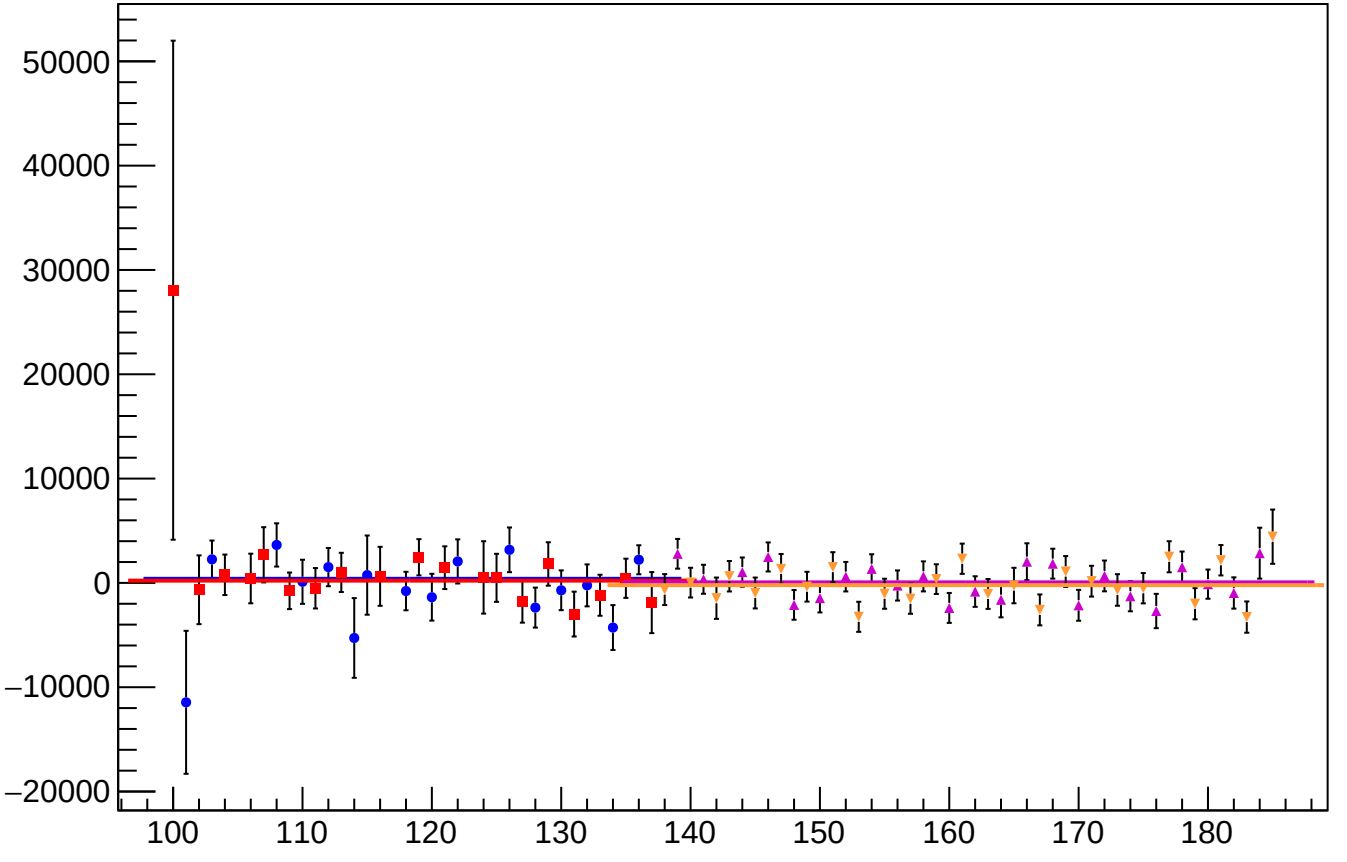
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

\+ sign 668.480+/-0.095 χ^2/NDF: 3190894.4/40

All: 680.863+/-0.069 χ^2/NDF: 5983811.3/82

\- 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: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

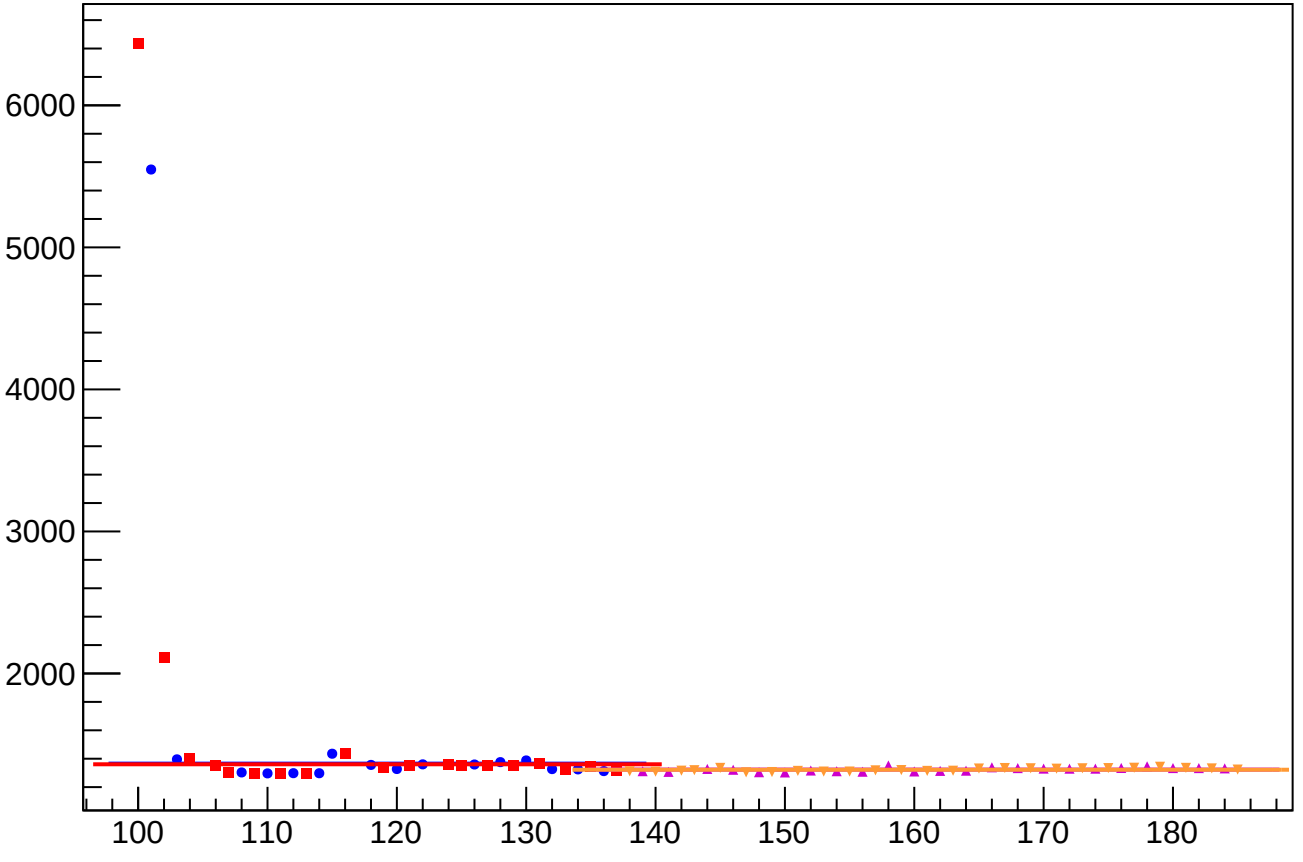
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -64.175+/-260.247 χ^2/NDF: 53.7/40

All: 14.578+/-185.328 χ^2/NDF: 91.7/82

- 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: 1322.369+/-0.212 χ^2/NDF:2931.9/24

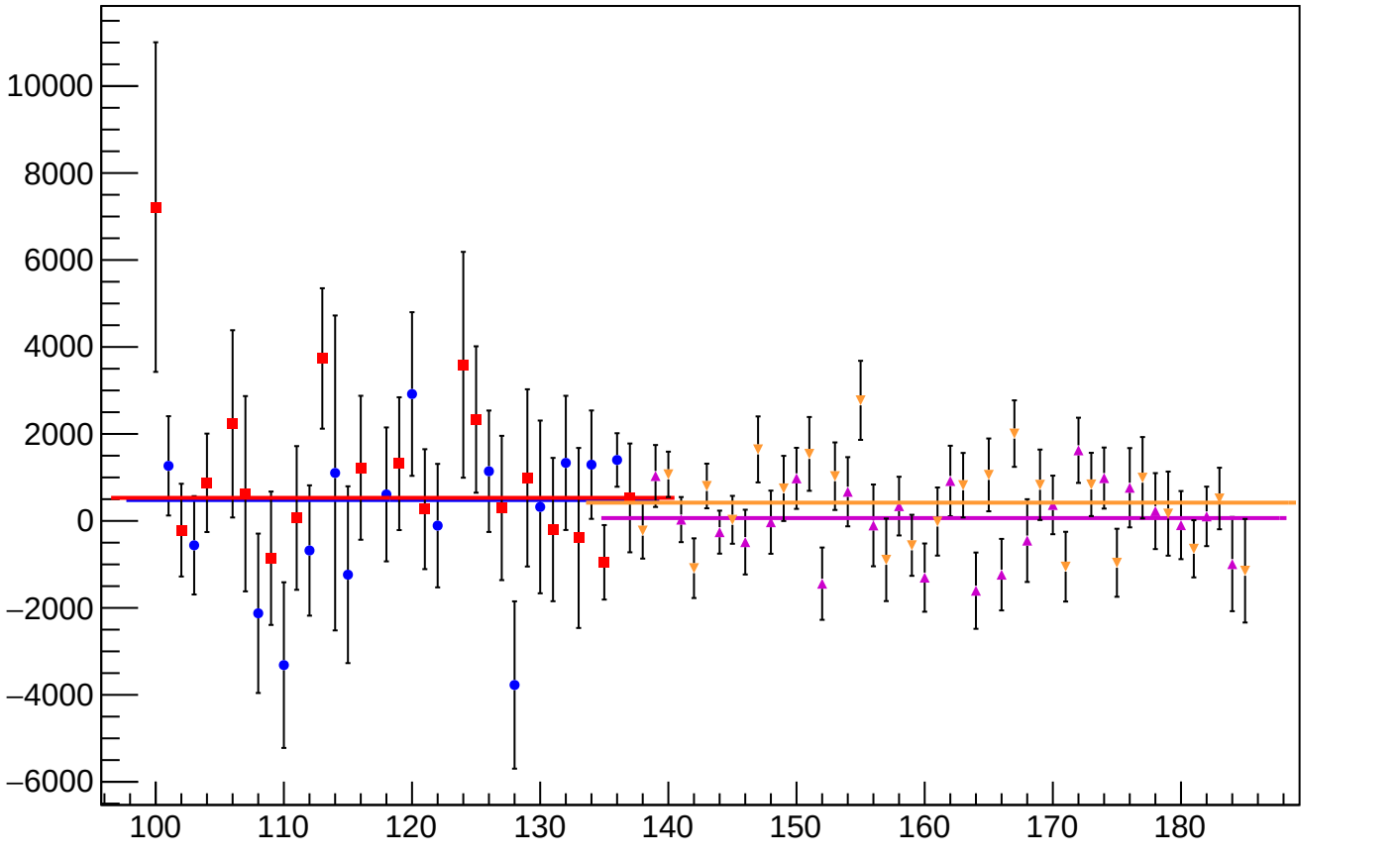
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.075+/-0.184 χ^2/NDF: 772065.0/40

All: 1333.259+/-0.131 χ^2/NDF: 989167.2/82

- 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: 419.899+/-146.436 χ^2/NDF:41.5/24

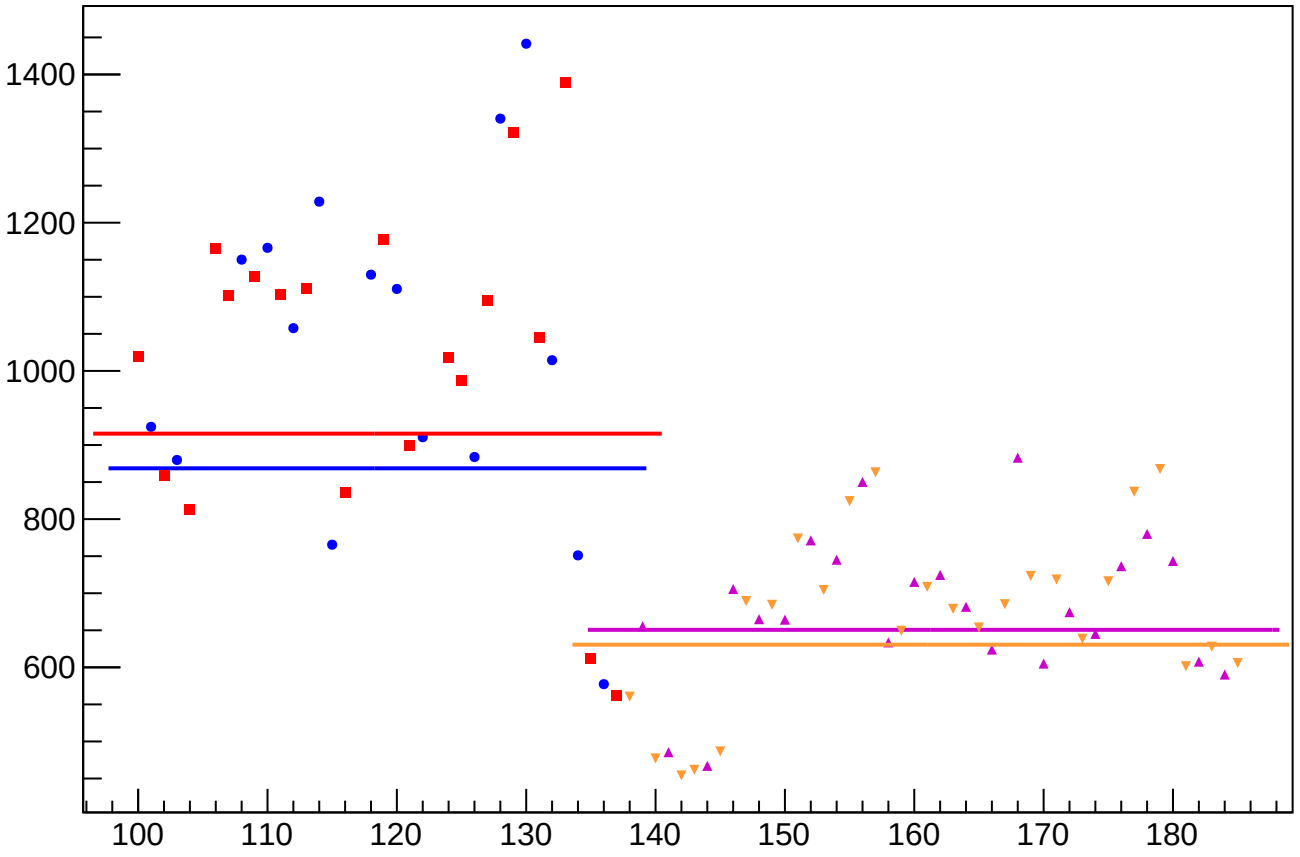
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 429.531+/-134.274 χ^2/NDF: 60.2/40

All: 292.876+/-97.195 χ^2/NDF: 106.5/82

- 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: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

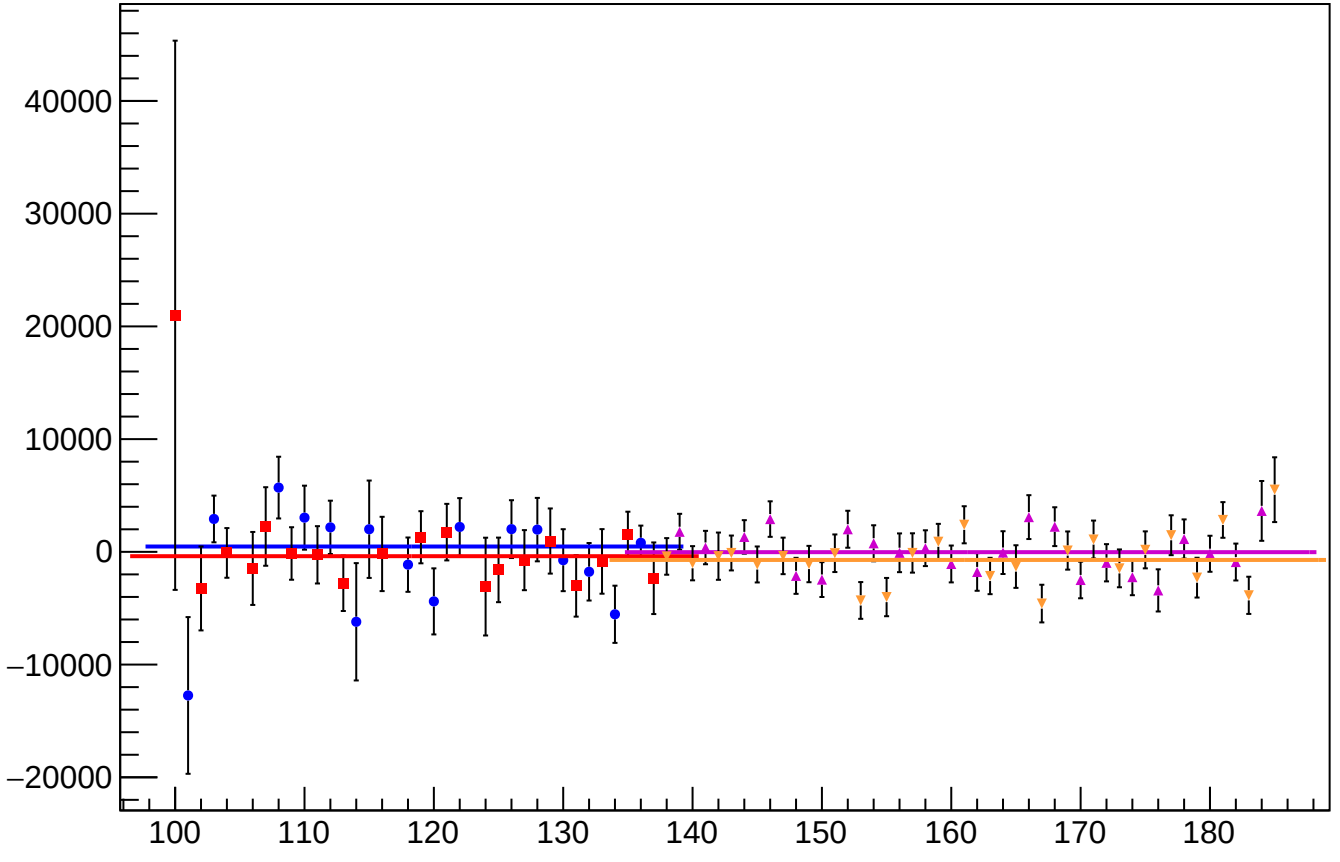
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 668.480+/-0.095 χ^2/NDF: 3190895.4/40

All: 680.863+/-0.069 χ^2/NDF: 5983804.4/82

- 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: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

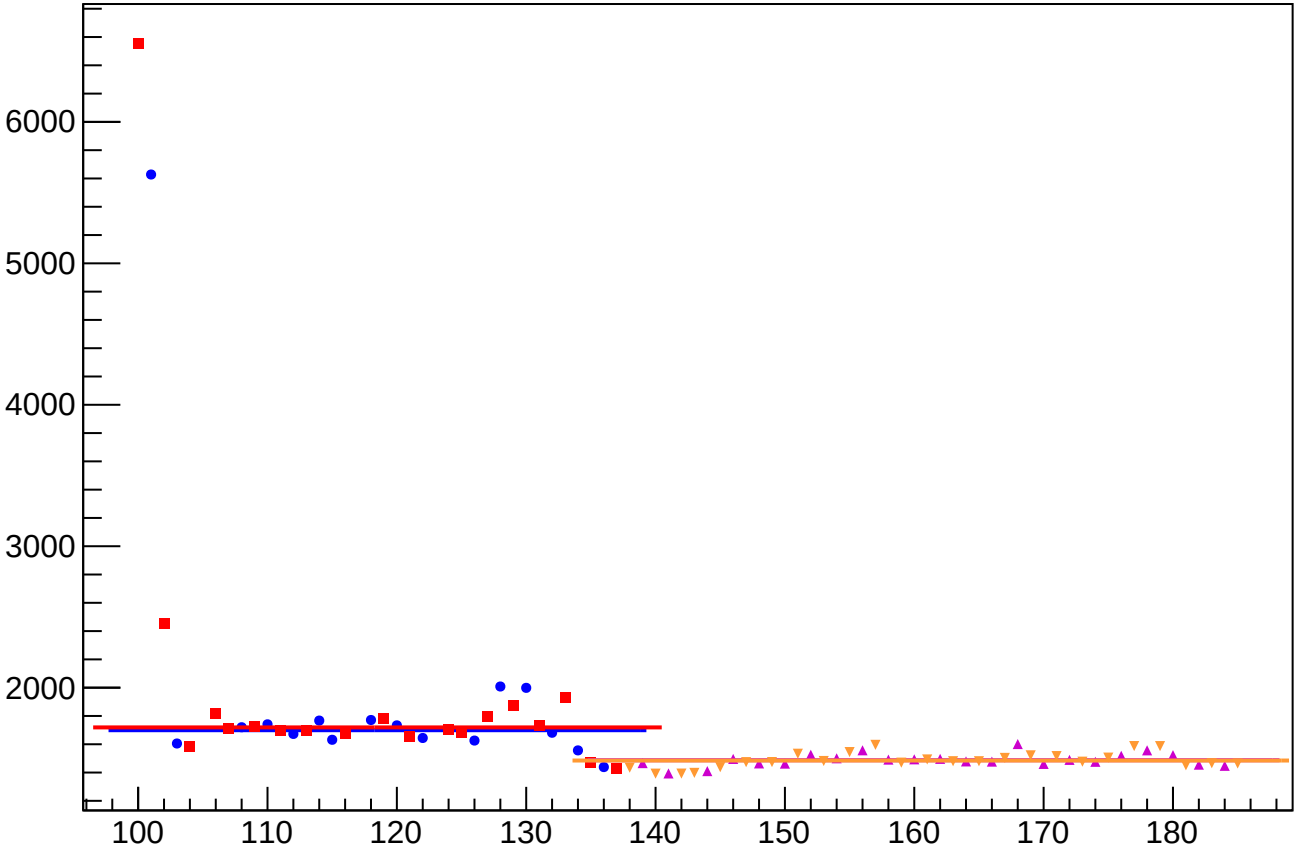
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

\+ sign -464.658+/-299.510 χ^2/NDF: 63.1/40

All: -290.102+/-213.887 χ^2/NDF: 99.3/82

\- 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: 1484.960+/-0.239 χ^2/NDF:50905.1/24

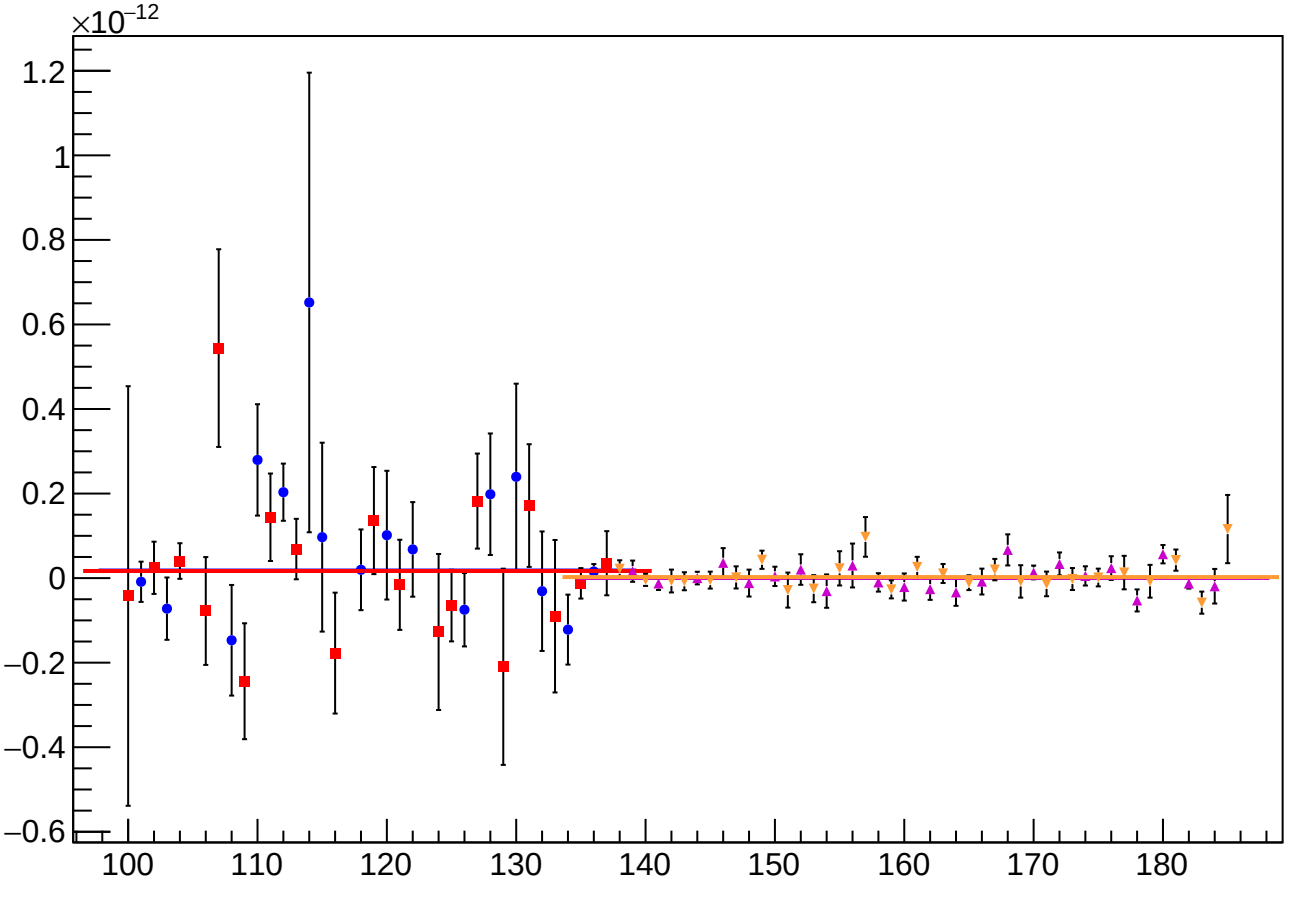
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1530.582+/-0.212 χ^2/NDF: 984642.0/40

All: 1535.031+/-0.151 χ^2/NDF: 1456117.0/82

- sign 1539.661+/-0.216 χ^2/NDF: 470574.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

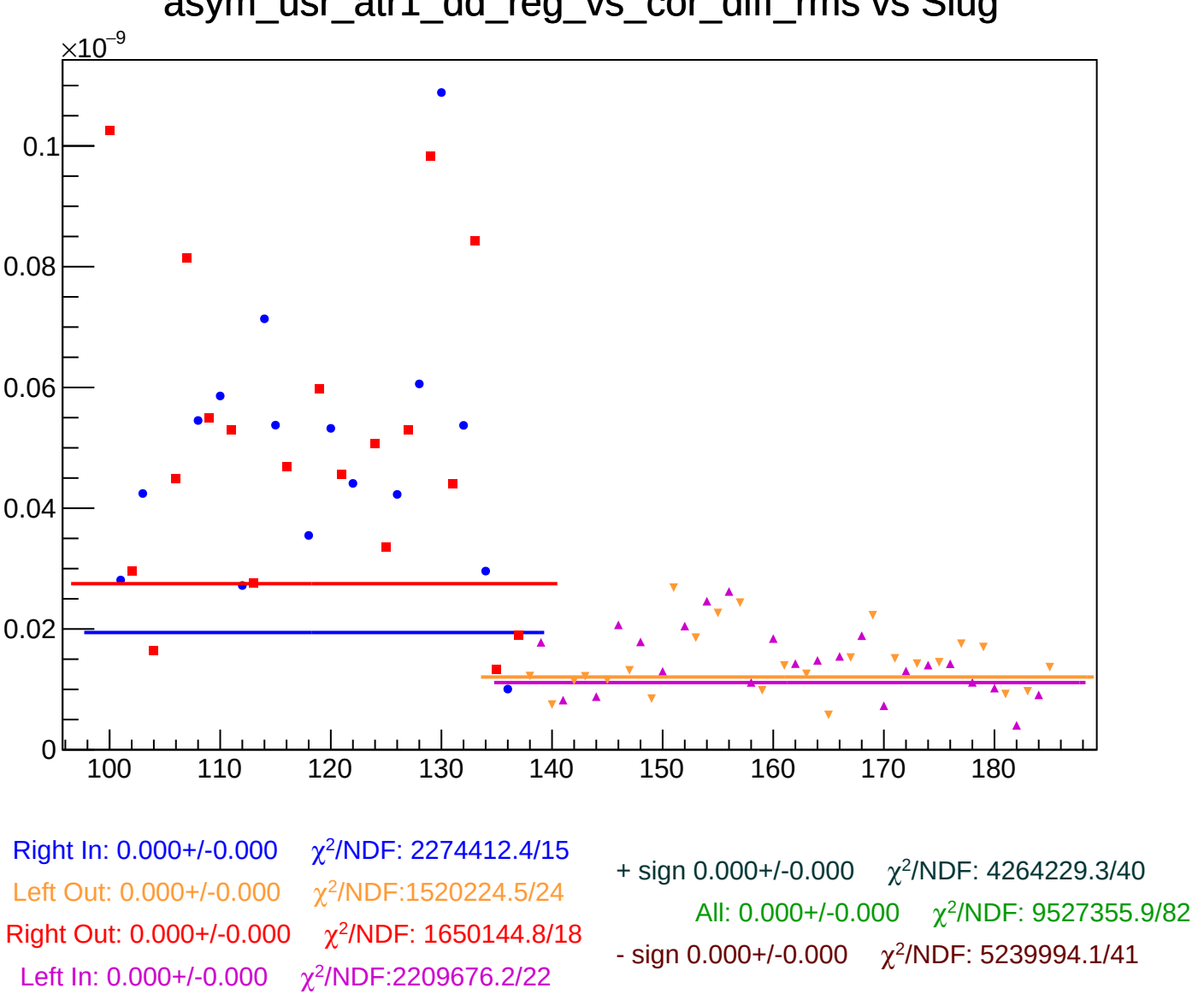
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

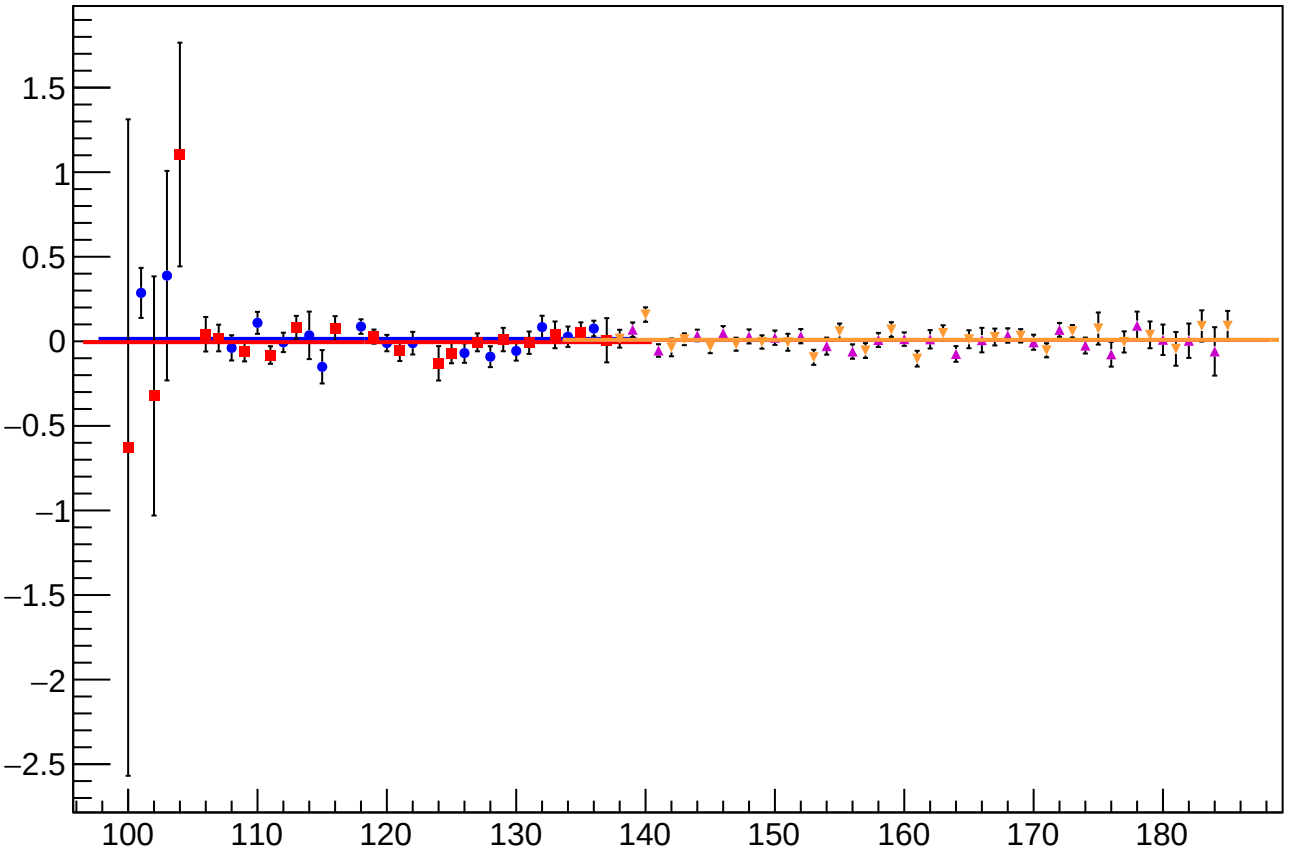
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.0/40

All: 0.000+/-0.000 χ^2/NDF: 97.1/82

- sign 0.000+/-0.000 χ^2/NDF: 47.0/41


asym_usr_atr1_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: 2274412.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1520224.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1650144.8/18
Left In: 0.000+/-0.000 χ²/NDF:2209676.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4264229.3/40
All: 0.000+/-0.000 χ²/NDF: 9527355.9/82
- sign 0.000+/-0.000 χ²/NDF: 5239994.1/41



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

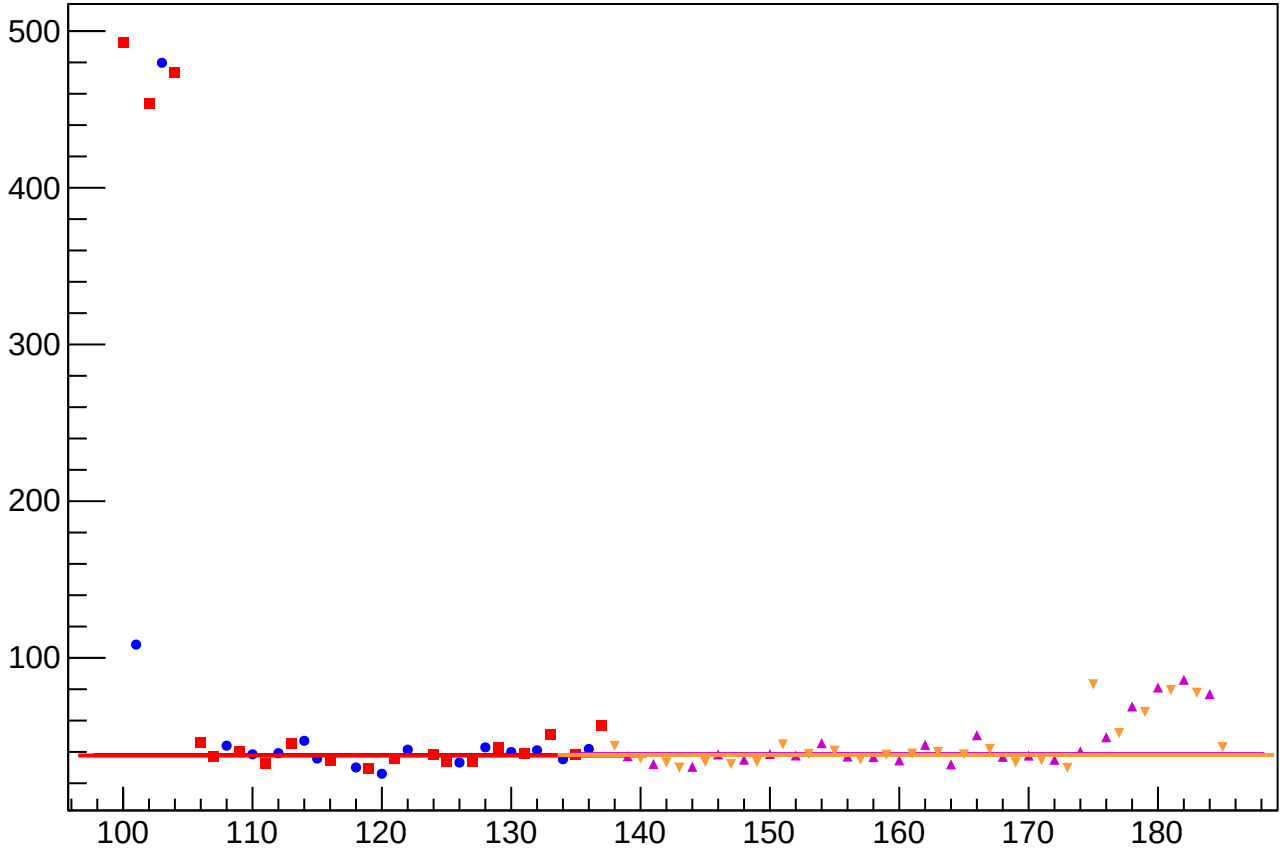
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 60.7/40

All: 0.007+/-0.006 χ^2/NDF: 95.2/82

- 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: 38.067+/-0.007 χ^2/NDF:1967115.3/24

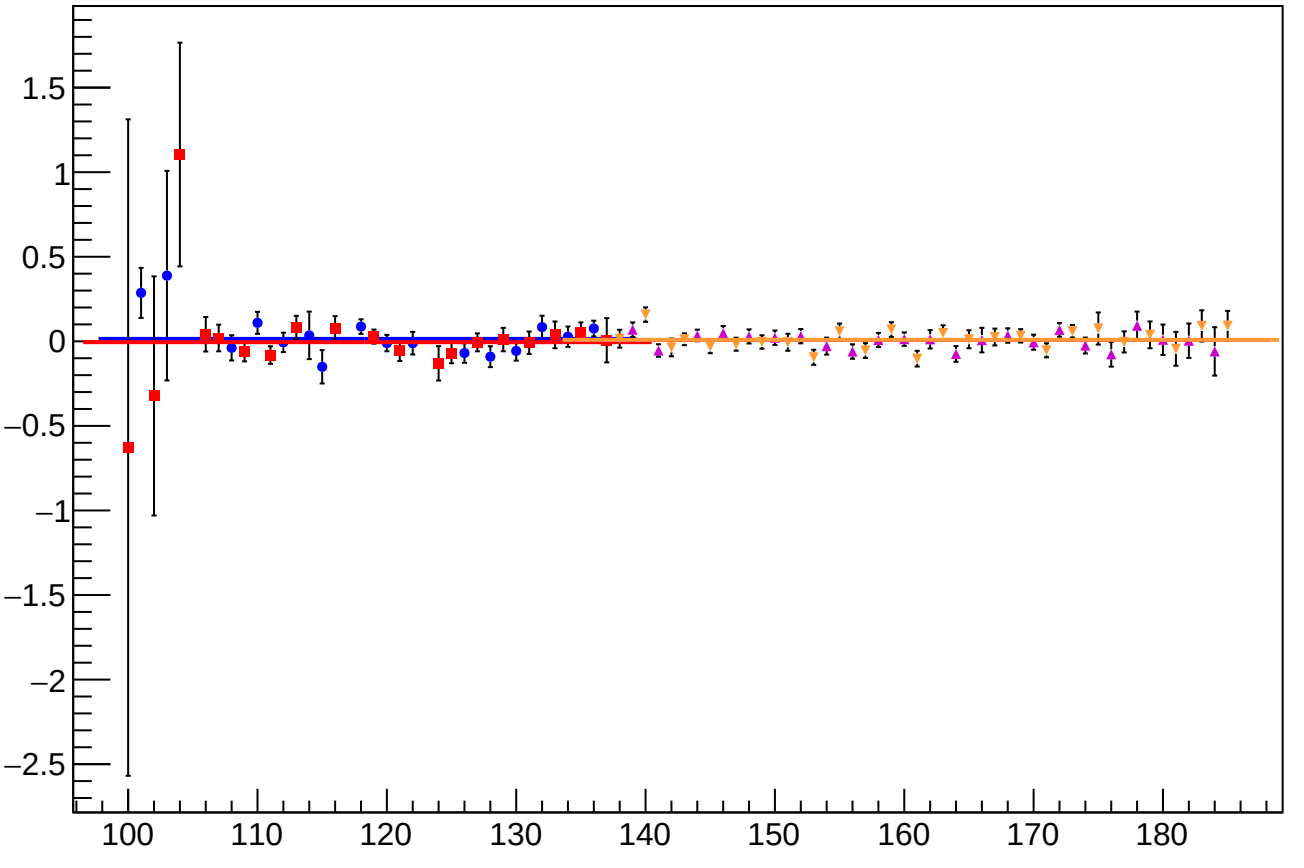
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.034+/-0.006 χ^2/NDF: 3706875.3/40

All: 38.198+/-0.004 χ^2/NDF: 7385972.5/82

- 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: 0.009+/-0.010 χ^2/NDF:38.6/24

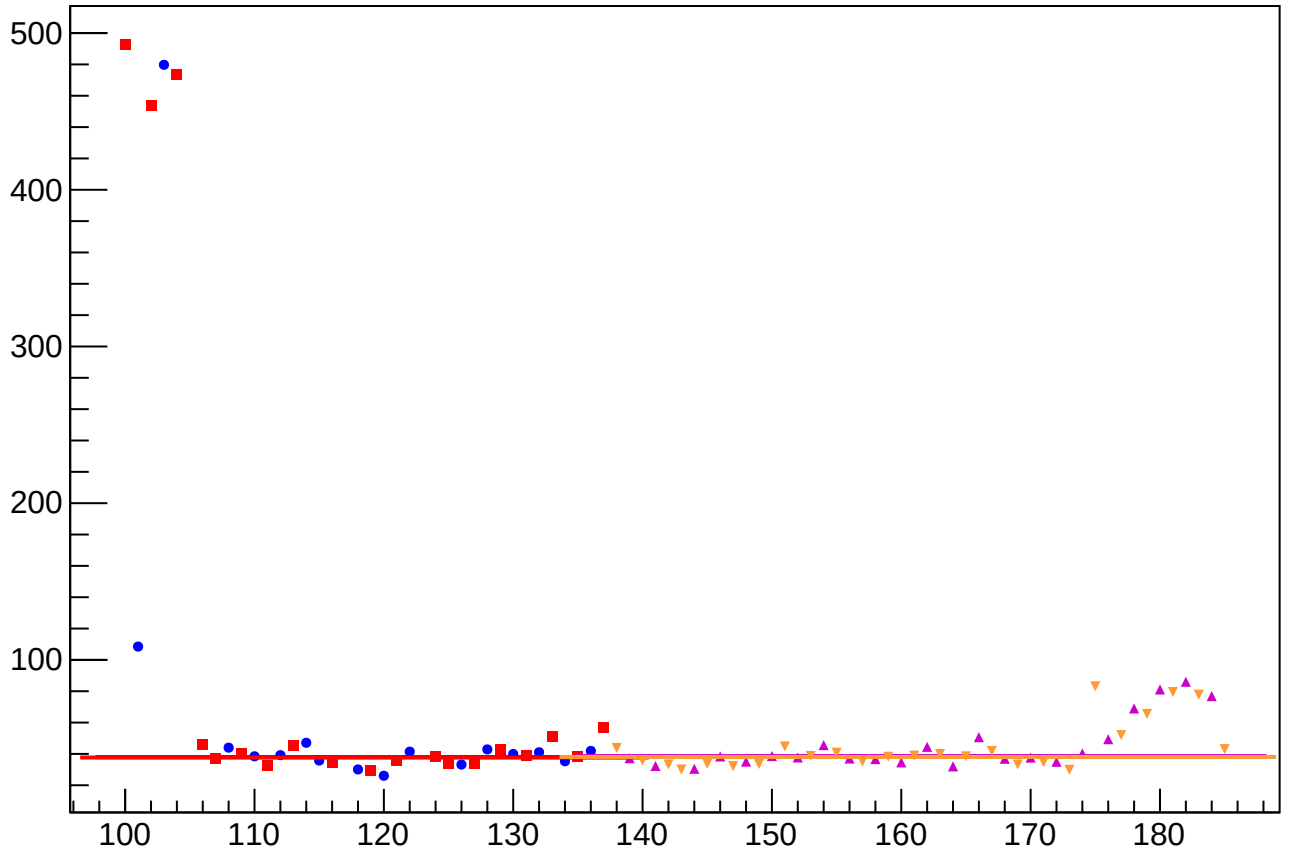
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 60.7/40

All: 0.007+/-0.006 χ^2/NDF: 95.2/82

- sign 0.004+/-0.008 χ^2/NDF: 34.2/41



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

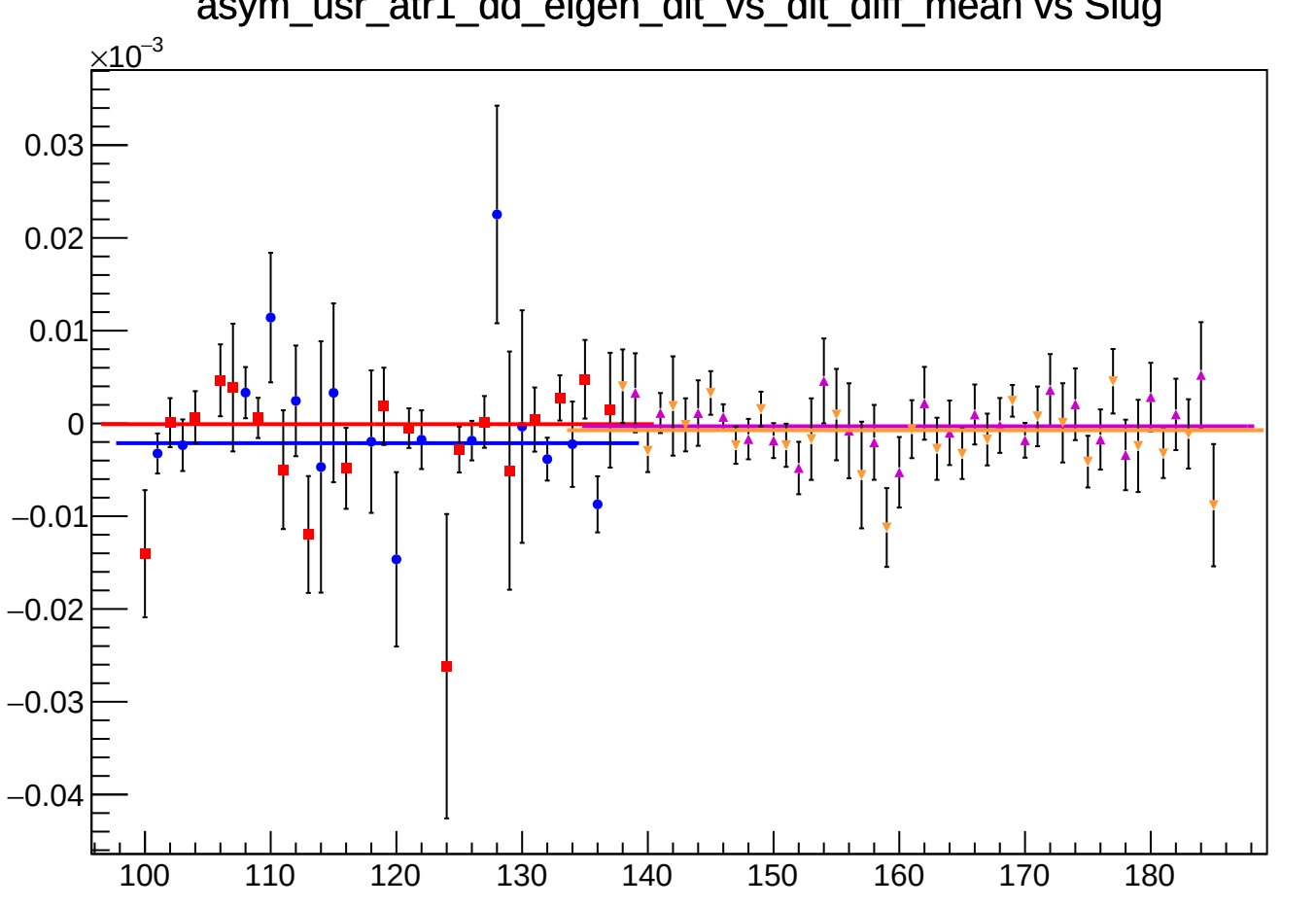
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.034+/-0.006 χ^2/NDF: 3706875.3/40

All: 38.198+/-0.004 χ^2/NDF: 7385972.5/82

- 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:26.6/24

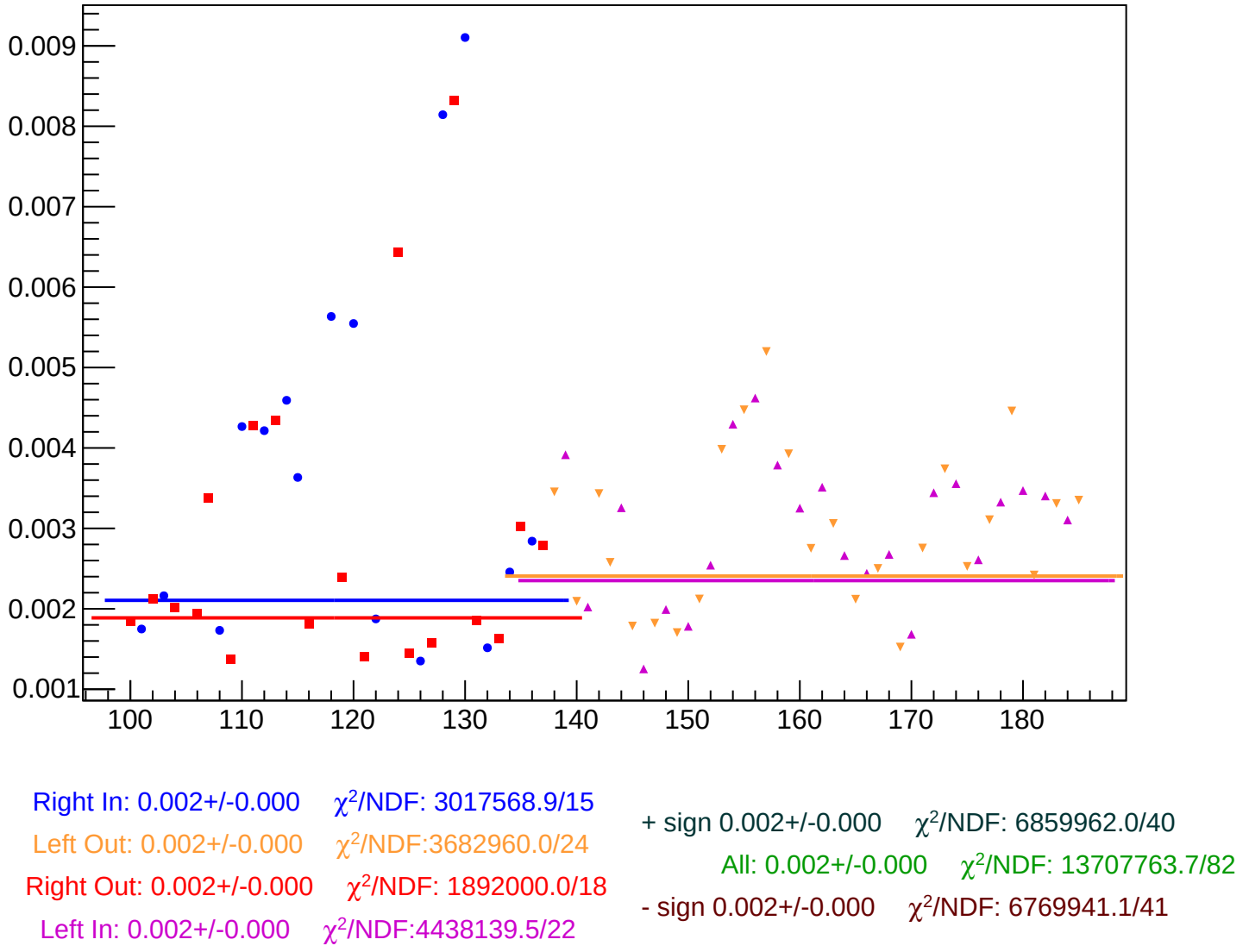
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

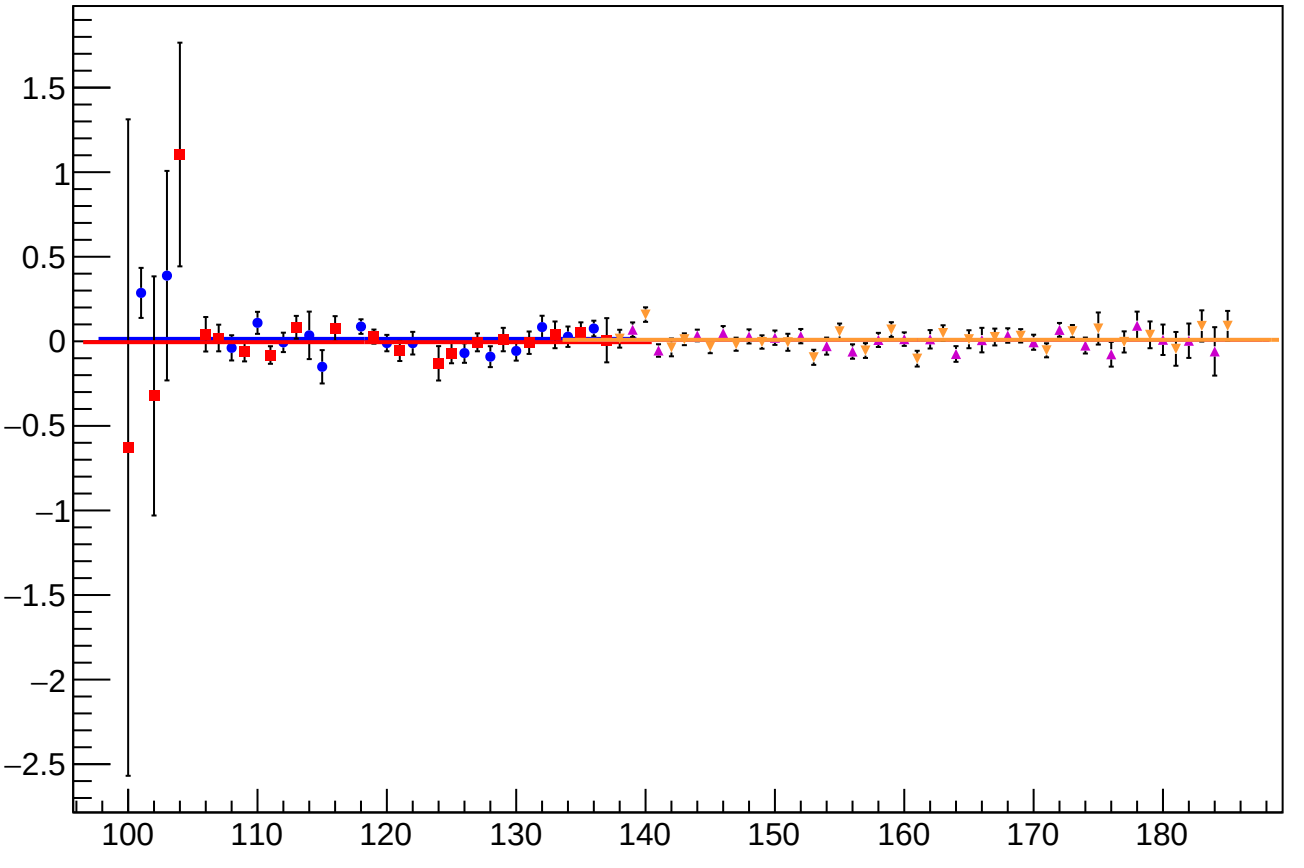
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/40

All: -0.000+/-0.000 χ^2/NDF: 82.7/82

- 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:3682960.0/24
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: 6859962.0/40
All: 0.002+/-0.000 χ²/NDF: 13707763.7/82
- sign 0.002+/-0.000 χ²/NDF: 6769941.1/41



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

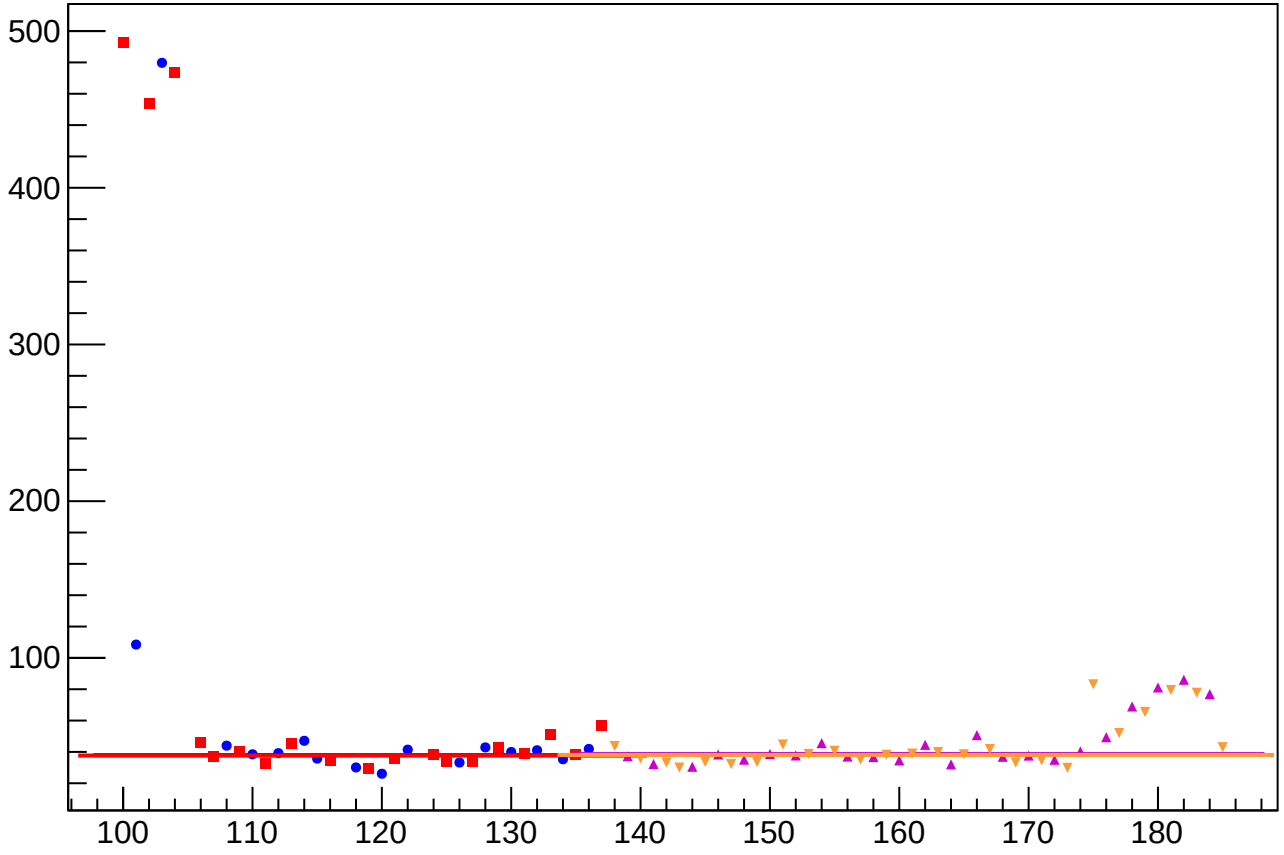
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 60.7/40

All: 0.007+/-0.006 χ^2/NDF: 95.2/82

- 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: 38.067+/-0.007 χ^2/NDF:1967110.9/24

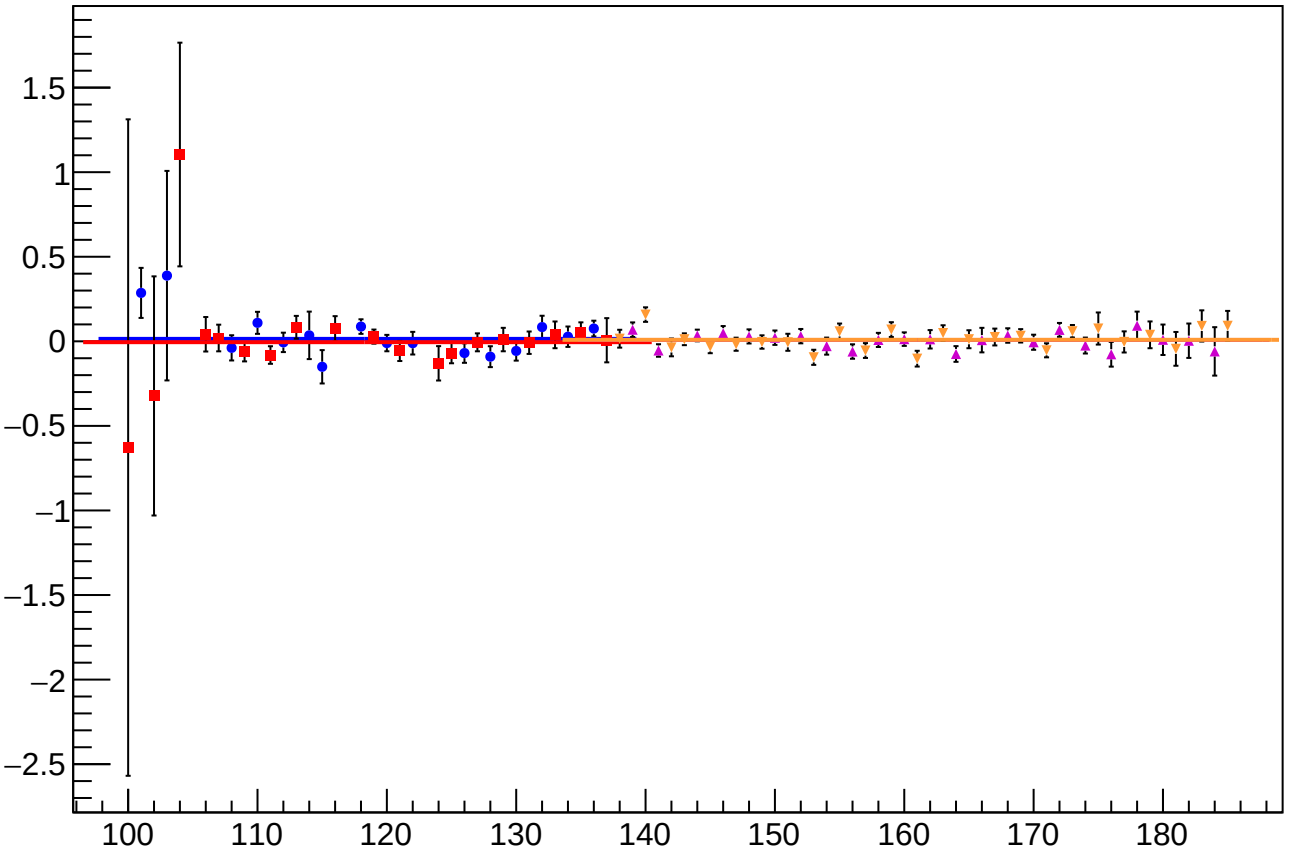
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.034+/-0.006 χ^2/NDF: 3706883.2/40

All: 38.198+/-0.004 χ^2/NDF: 7386098.5/82

- 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: 0.009+/-0.010 χ^2/NDF:38.6/24

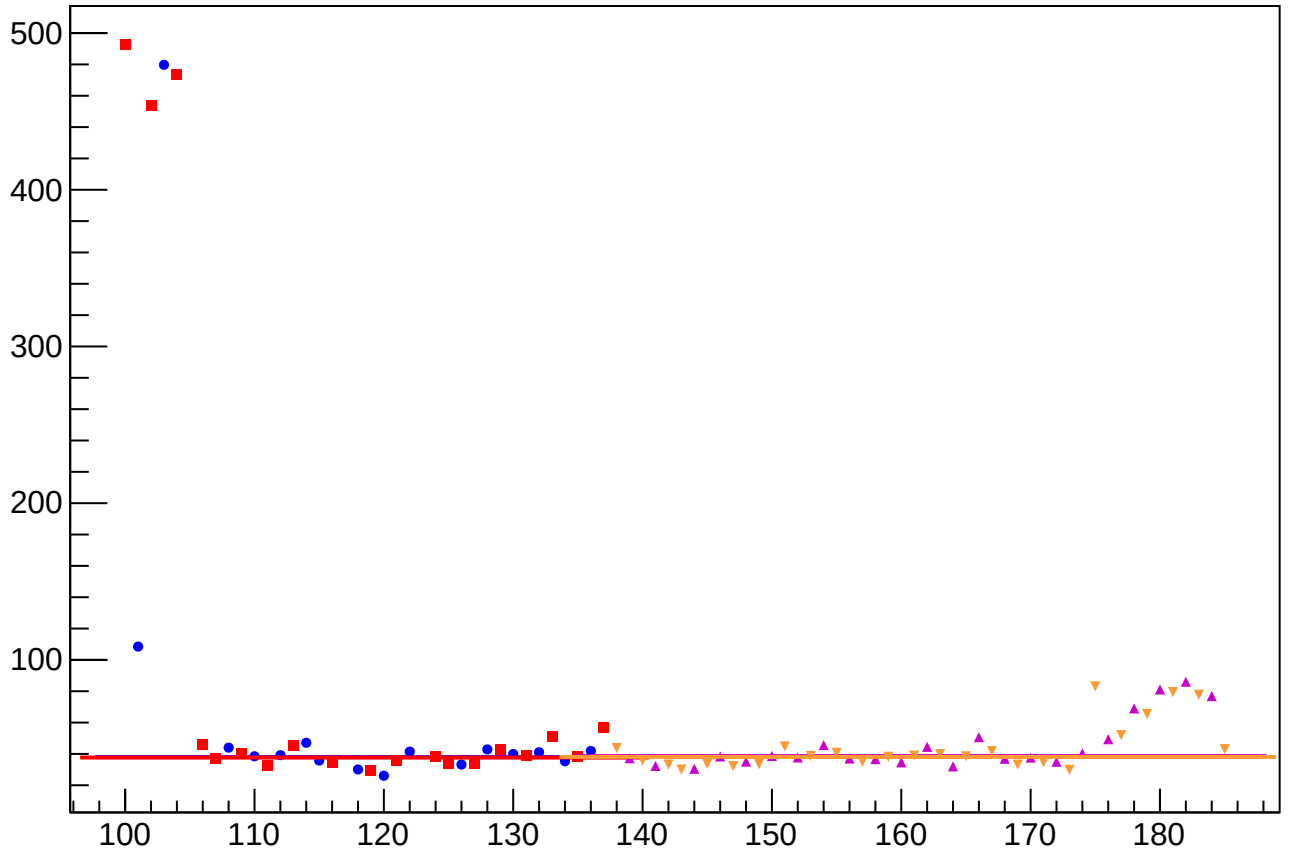
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.010+/-0.008 χ^2/NDF: 60.7/40

All: 0.007+/-0.006 χ^2/NDF: 95.2/82

- 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: 38.067+/-0.007 χ^2/NDF:1967110.9/24

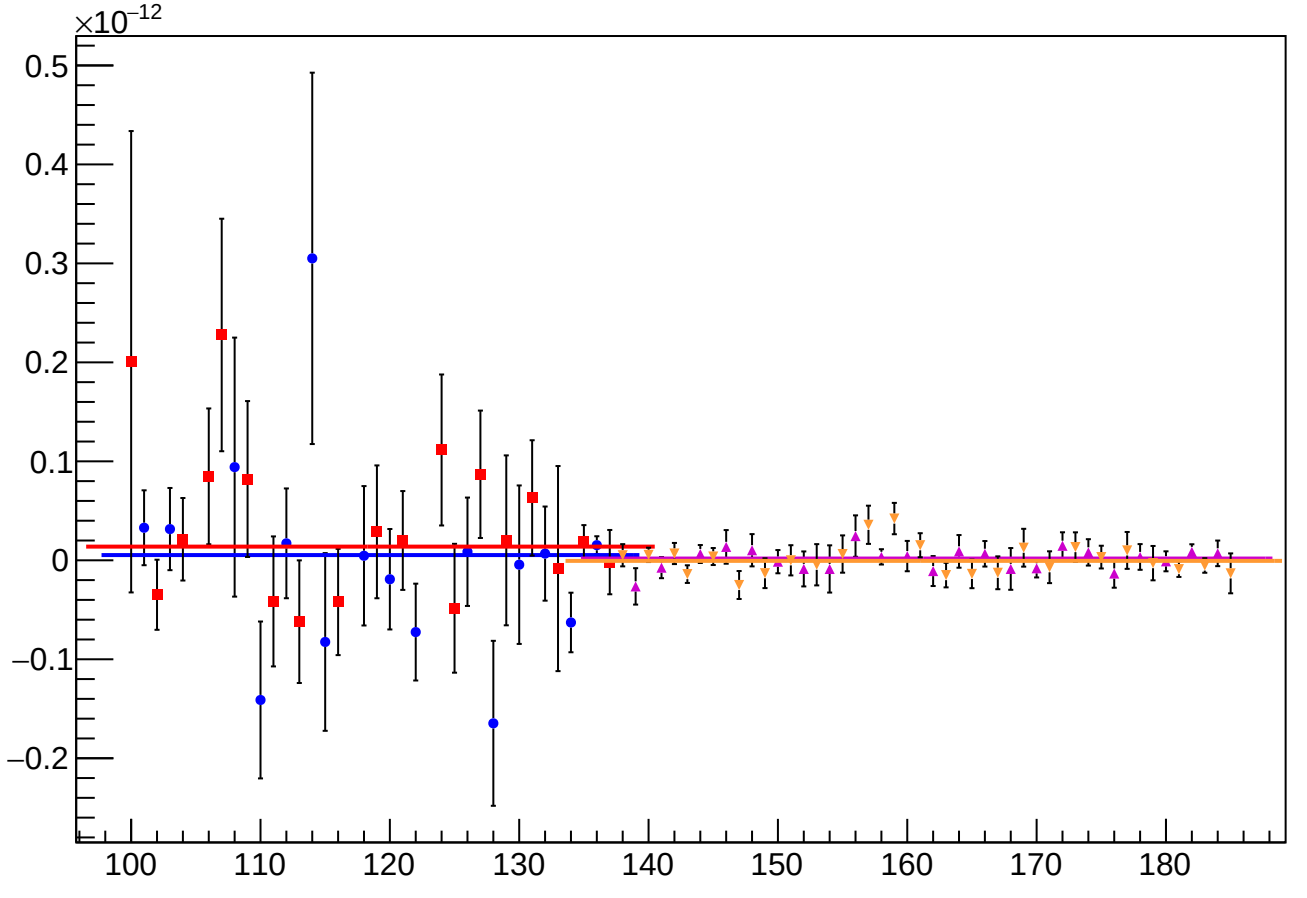
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.034+/-0.006 χ^2/NDF: 3706883.2/40

All: 38.198+/-0.004 χ^2/NDF: 7386098.5/82

- sign 38.371+/-0.006 χ^2/NDF: 3677571.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

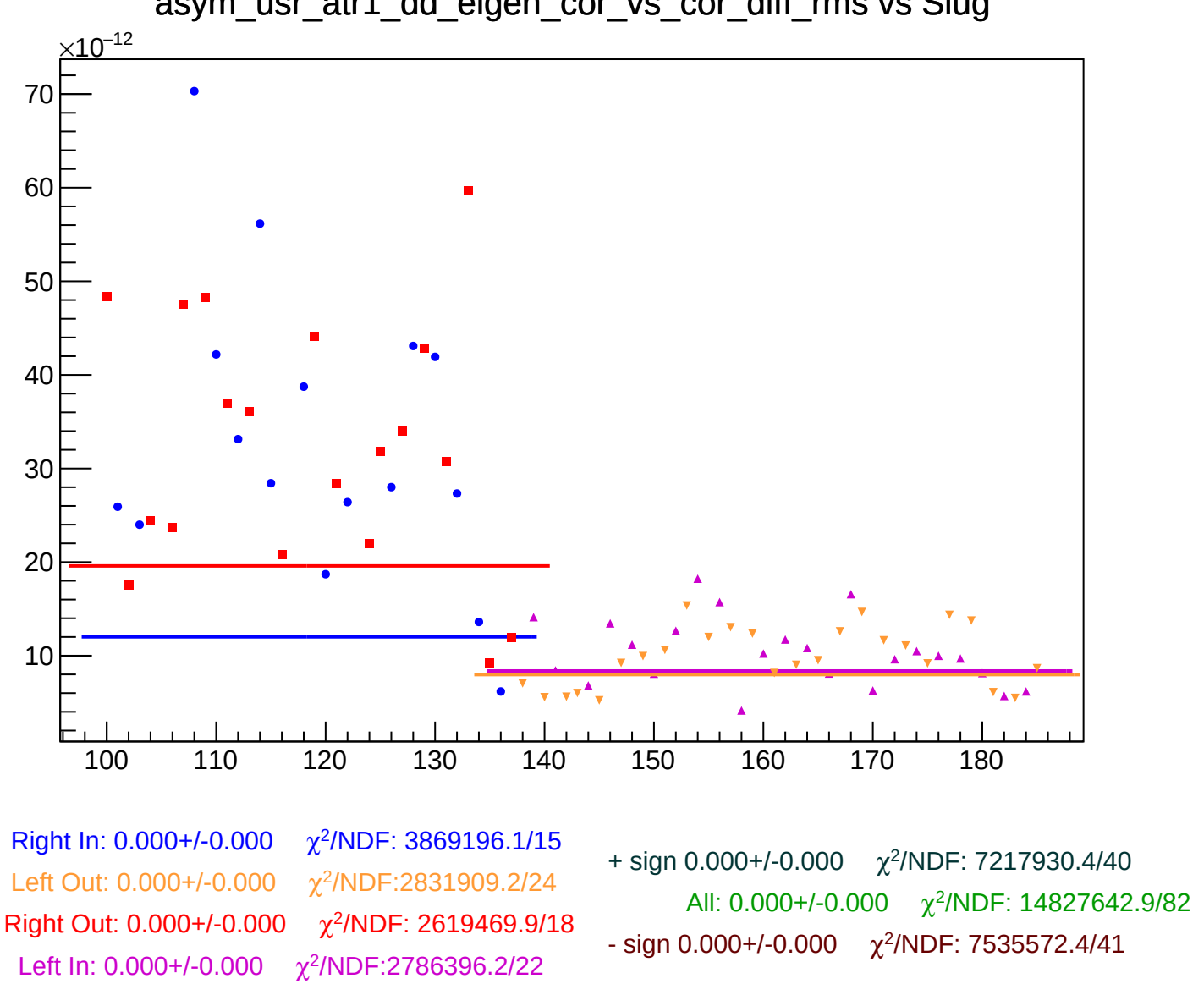
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/40

All: 0.000+/-0.000 χ^2/NDF: 78.5/82

- sign 0.000+/-0.000 χ^2/NDF: 28.8/41


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
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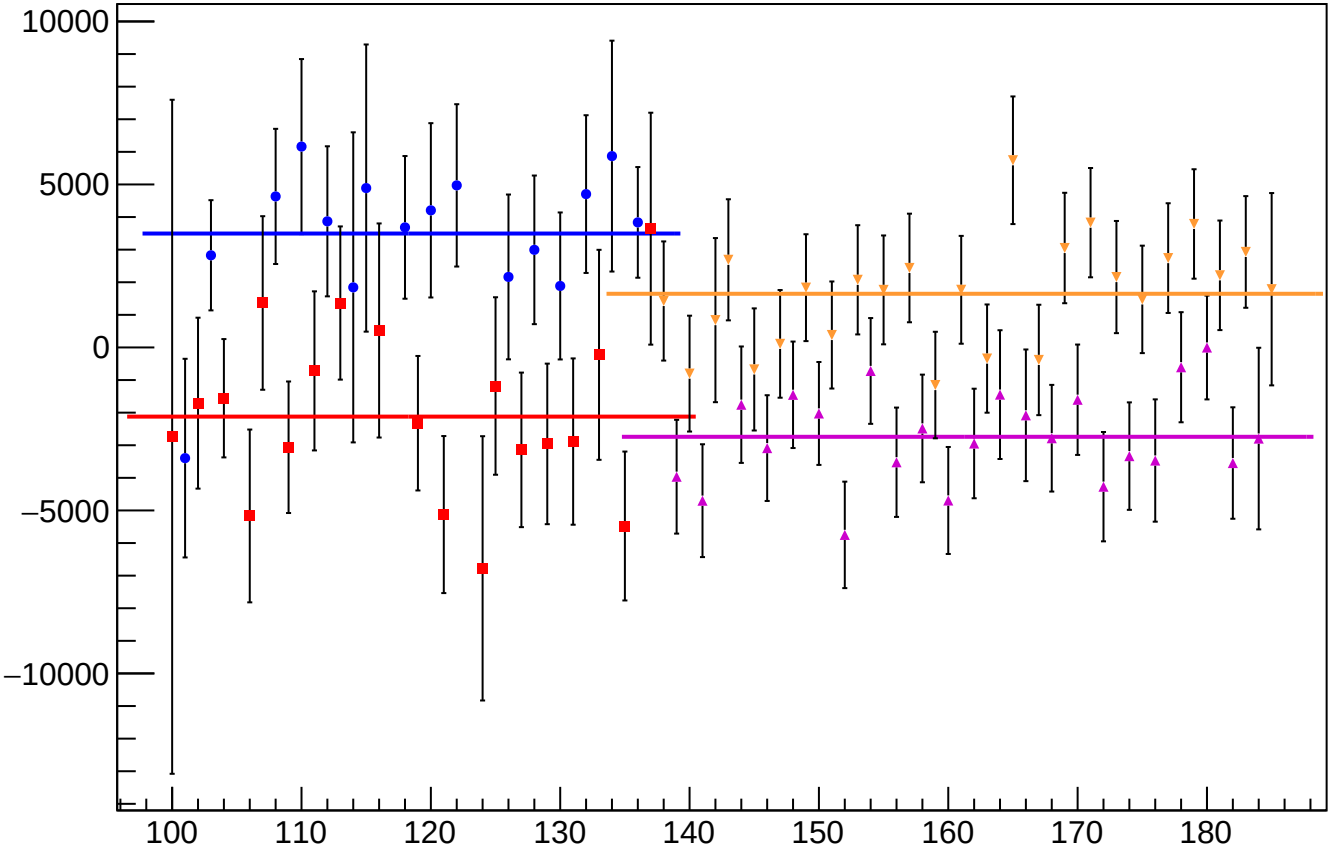
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
+ sign 0.000+/-0.000 χ²/NDF: 7217930.4/40
All: 0.000+/-0.000 χ²/NDF: 14827642.9/82
- sign 0.000+/-0.000 χ²/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: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

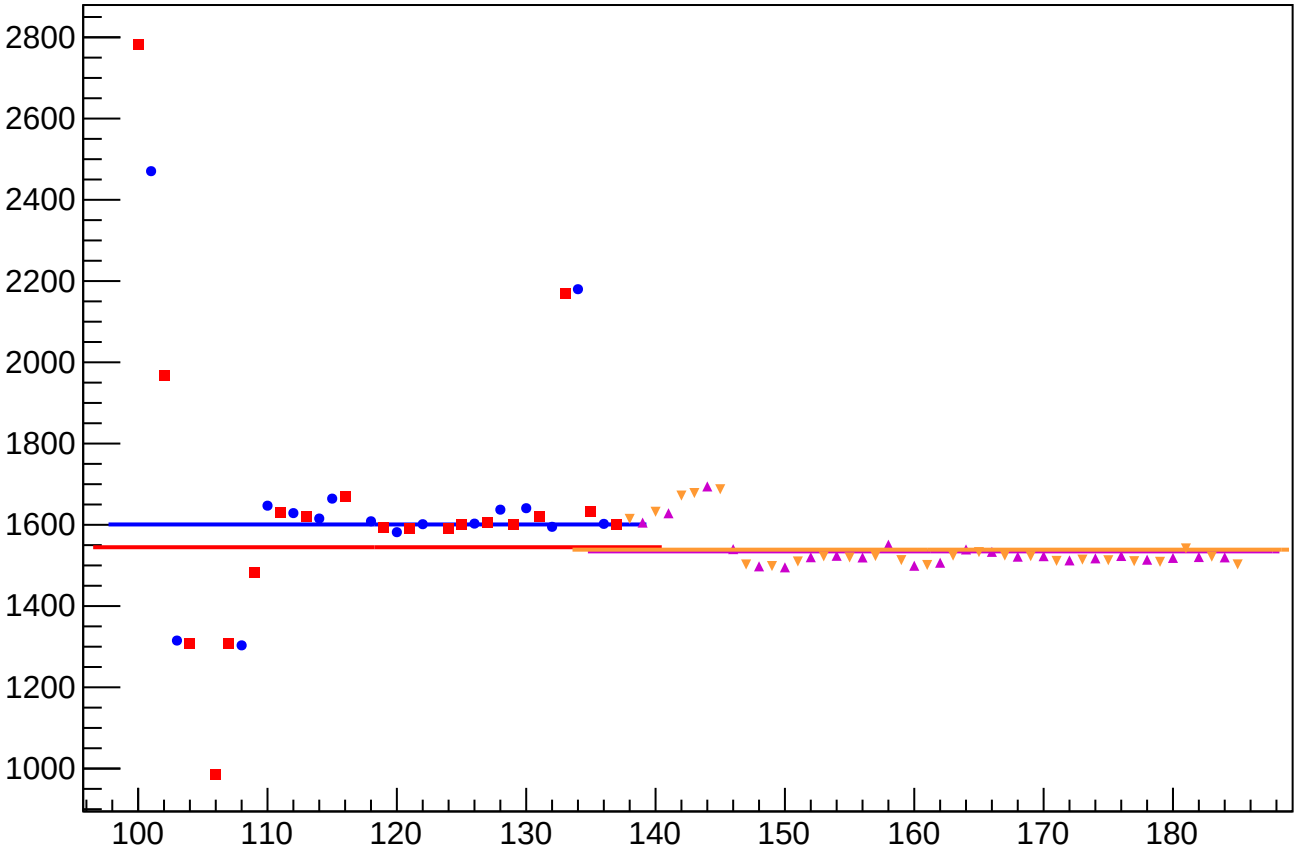
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2113.715+/-302.318 χ^2/NDF: 36.9/40

All: -201.162+/-215.066 χ^2/NDF: 187.9/82

- 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: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

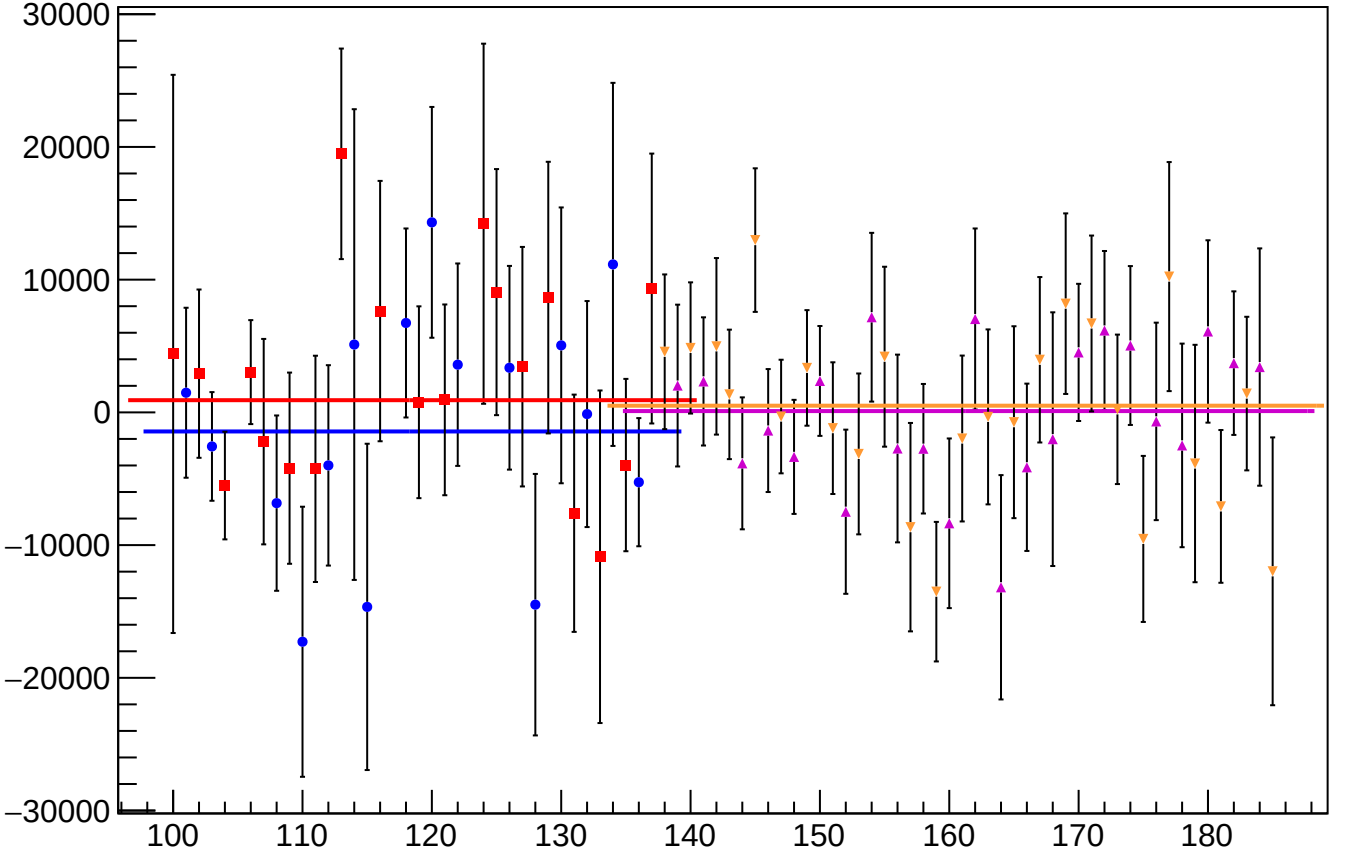
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1554.506+/-0.214 χ^2/NDF: 380398.4/40

All: 1546.041+/-0.152 χ^2/NDF: 791255.7/82

- 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: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

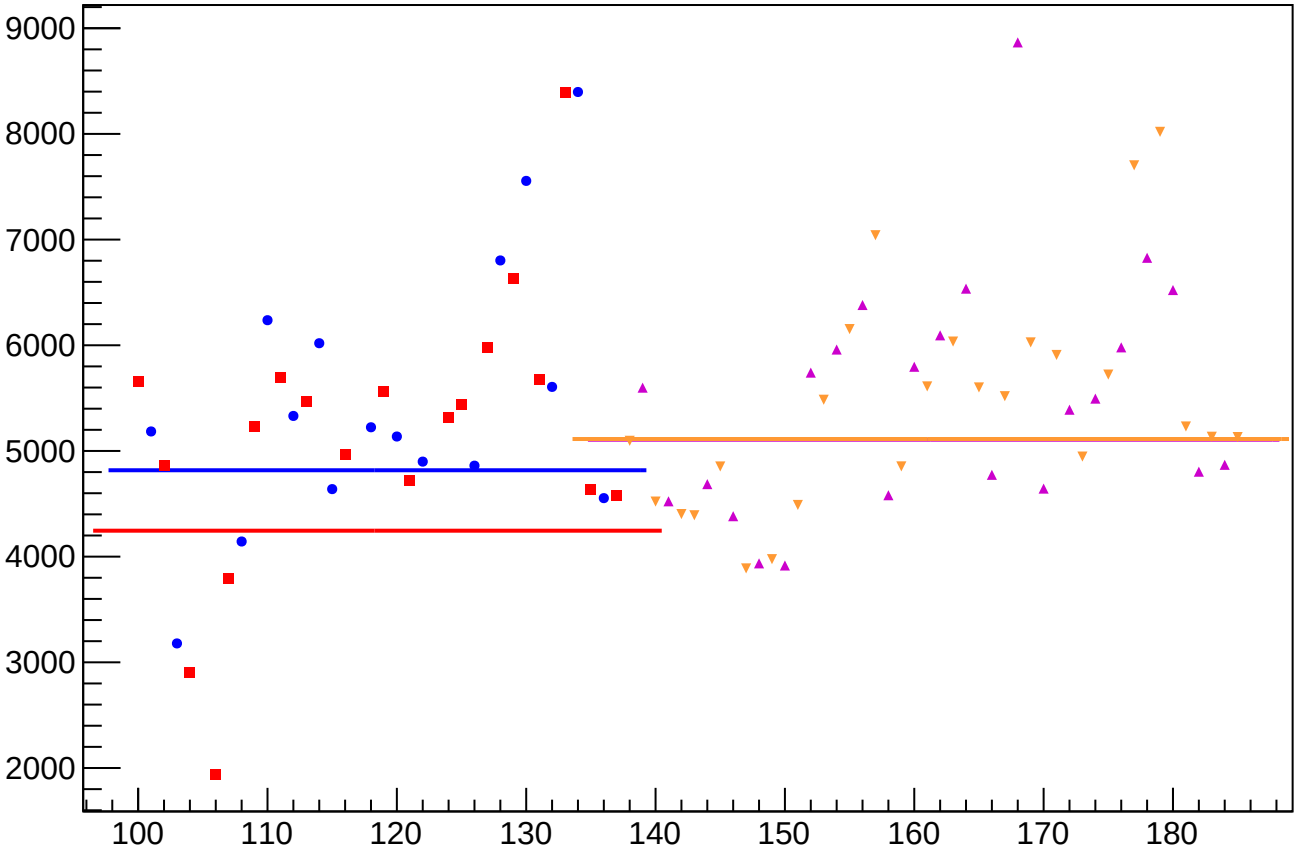
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign -63.133+/-998.951 χ^2/NDF: 41.4/40

All: 163.300+/-700.912 χ^2/NDF: 71.9/82

- 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: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

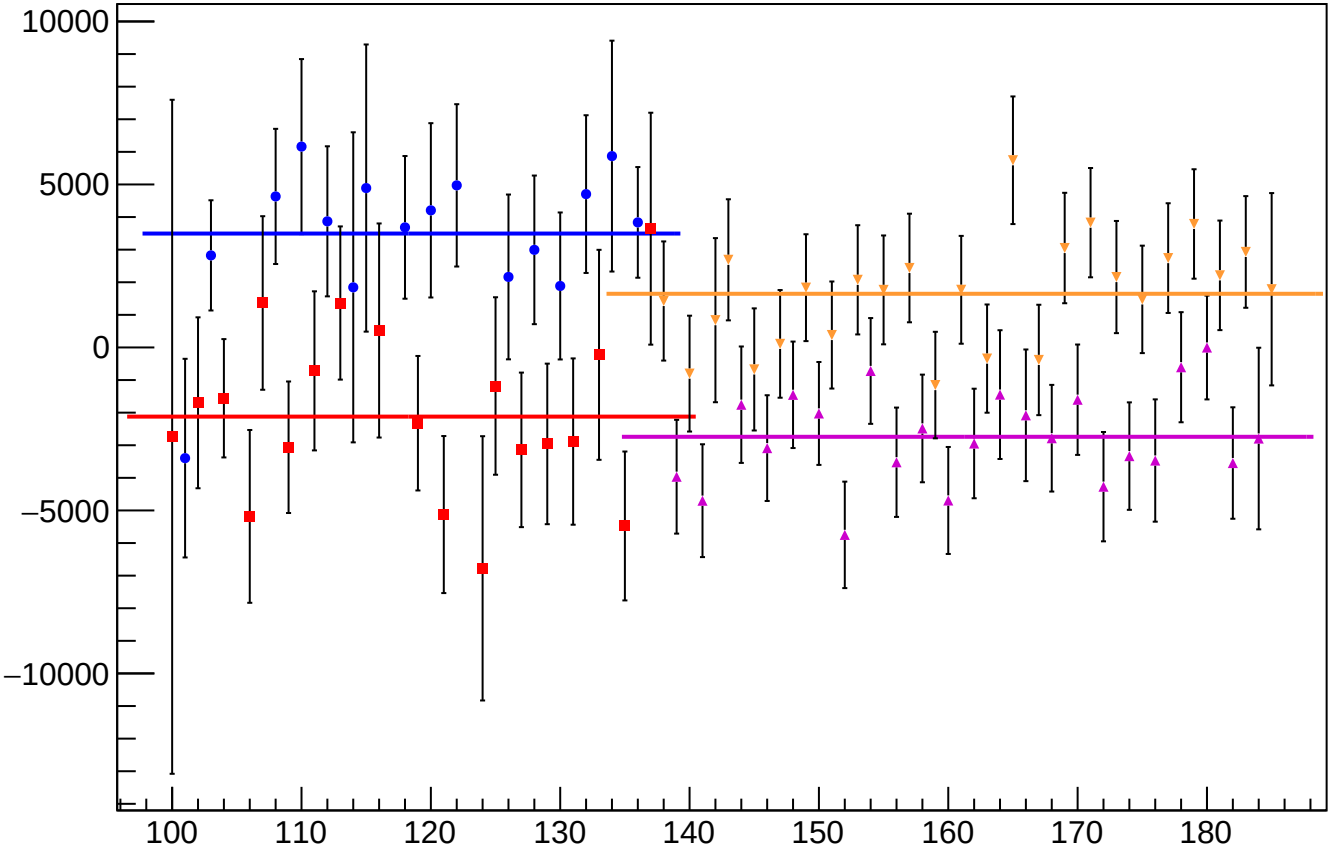
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5026.602+/-0.706 χ^2/NDF: 1990657.0/40

All: 4915.333+/-0.496 χ^2/NDF: 5321499.7/82

- 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: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

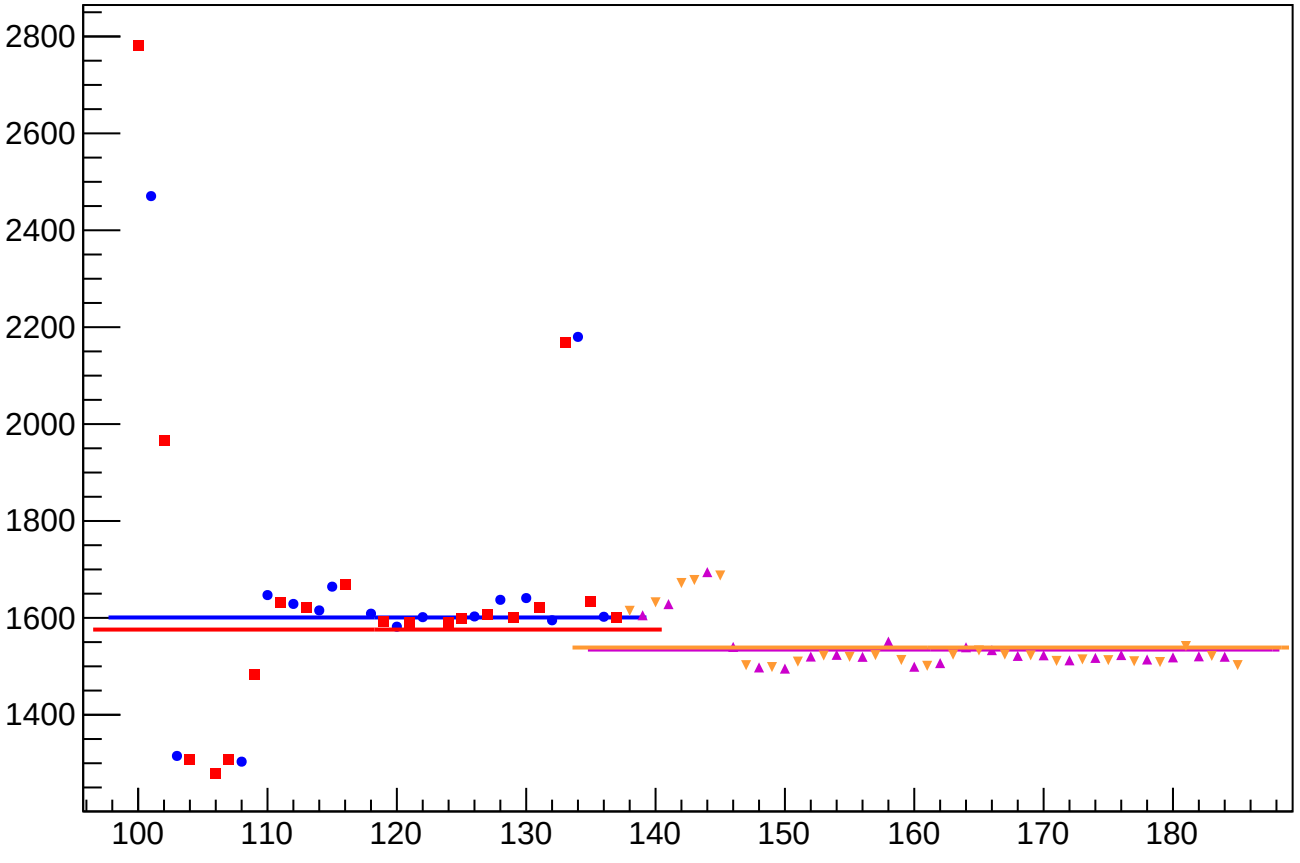
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2113.550+/-302.318 χ^2/NDF: 36.9/40

All: -201.207+/-215.066 χ^2/NDF: 187.9/82

- 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: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

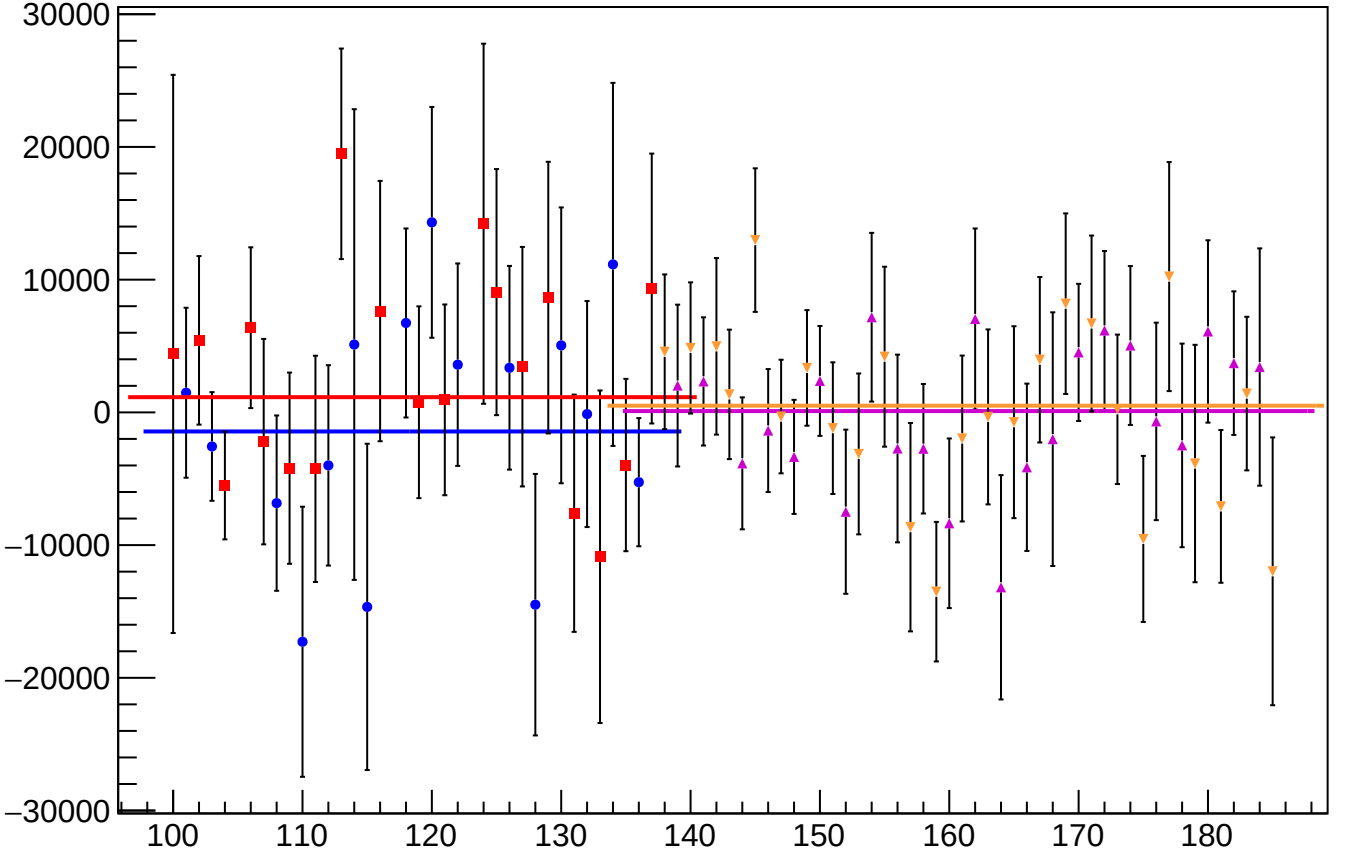
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1554.506+/-0.214 χ^2/NDF: 380397.7/40

All: 1550.239+/-0.152 χ^2/NDF: 662892.8/82

- 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: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

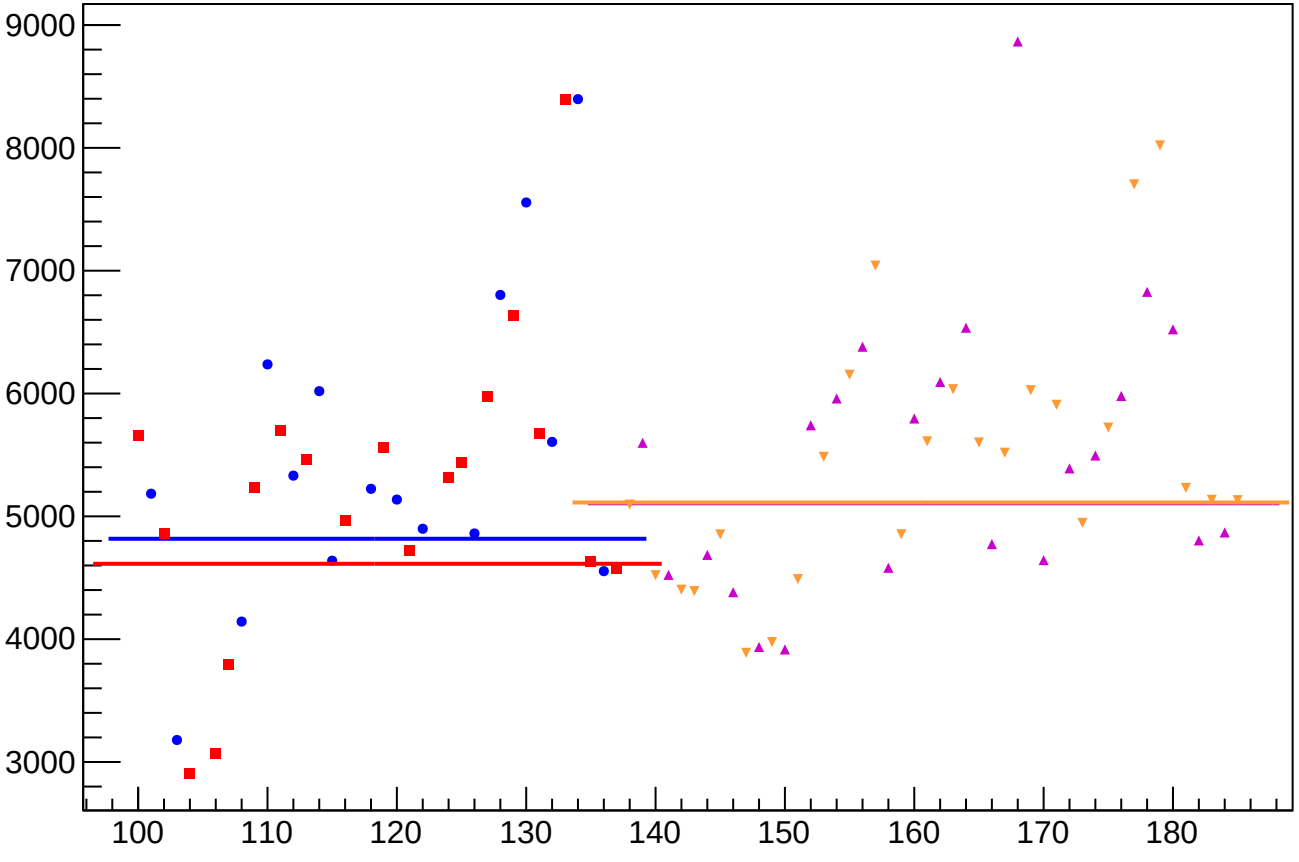
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign -63.185+/-998.956 χ^2/NDF: 41.4/40

All: 185.486+/-707.552 χ^2/NDF: 72.9/82

\- 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: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

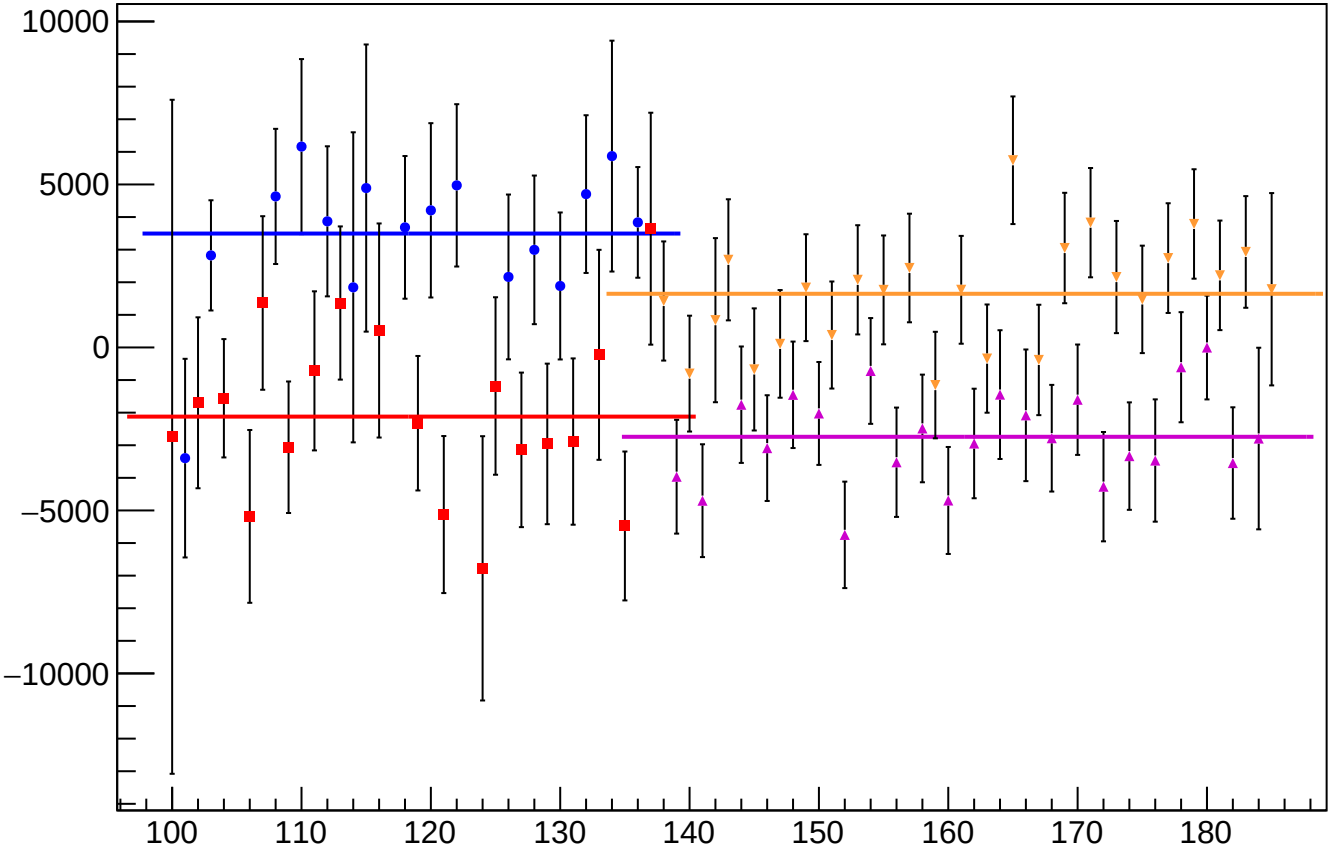
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5026.640+/-0.706 χ^2/NDF: 1990435.9/40

All: 4987.261+/-0.500 χ^2/NDF: 4331748.0/82

- 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: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

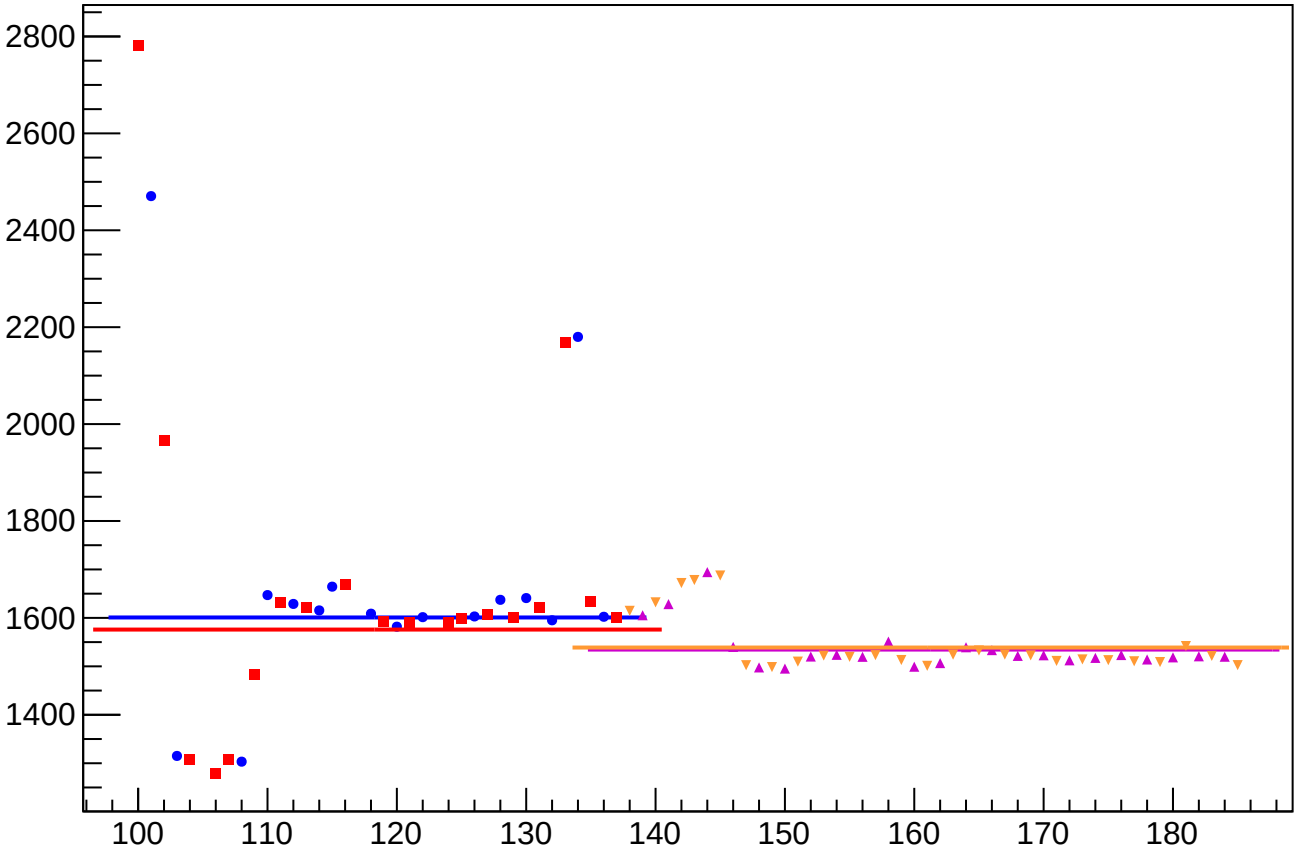
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2113.550+/-302.318 χ^2/NDF: 36.9/40

All: -201.207+/-215.066 χ^2/NDF: 187.9/82

- 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: 1538.810+/-0.247 χ^2/NDF:47056.2/24

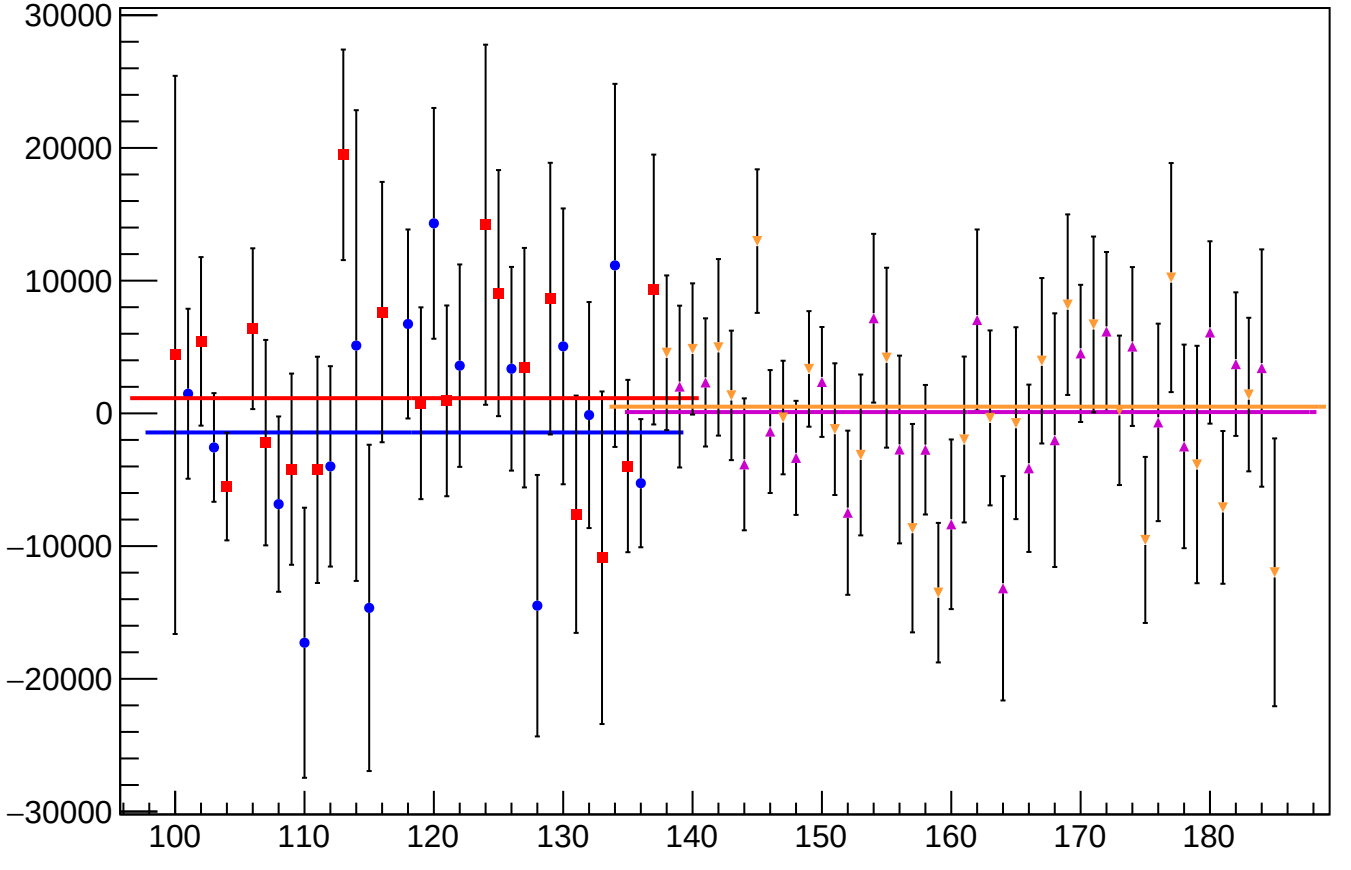
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1554.506+/-0.214 χ^2/NDF: 380397.7/40

All: 1550.239+/-0.152 χ^2/NDF: 662892.8/82

- 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: 503.849+/-1187.302 χ^2/NDF:26.8/24

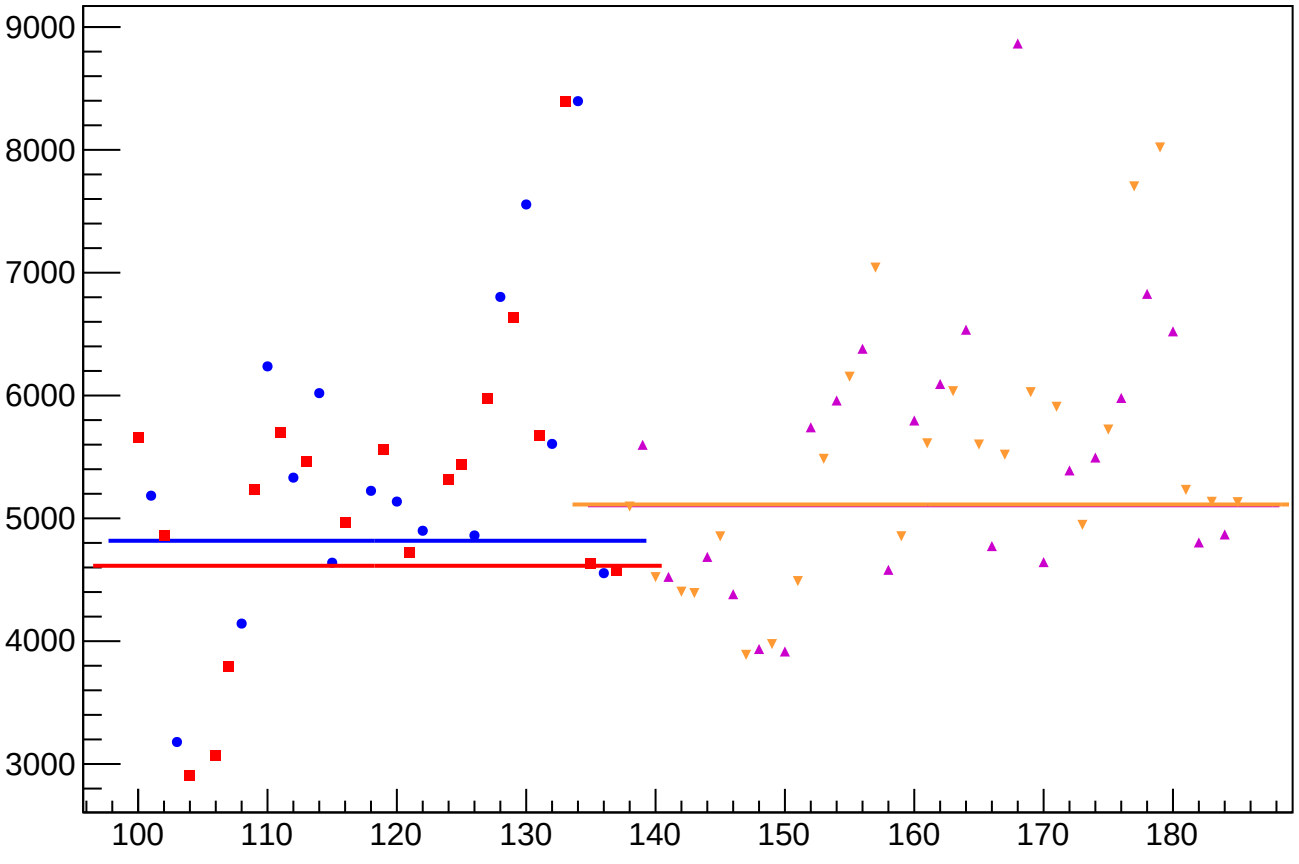
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign -63.185+/-998.956 χ^2/NDF: 41.4/40

All: 185.486+/-707.552 χ^2/NDF: 72.9/82

\- sign 435.831+/-1002.310 χ^2/NDF: 31.4/41



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

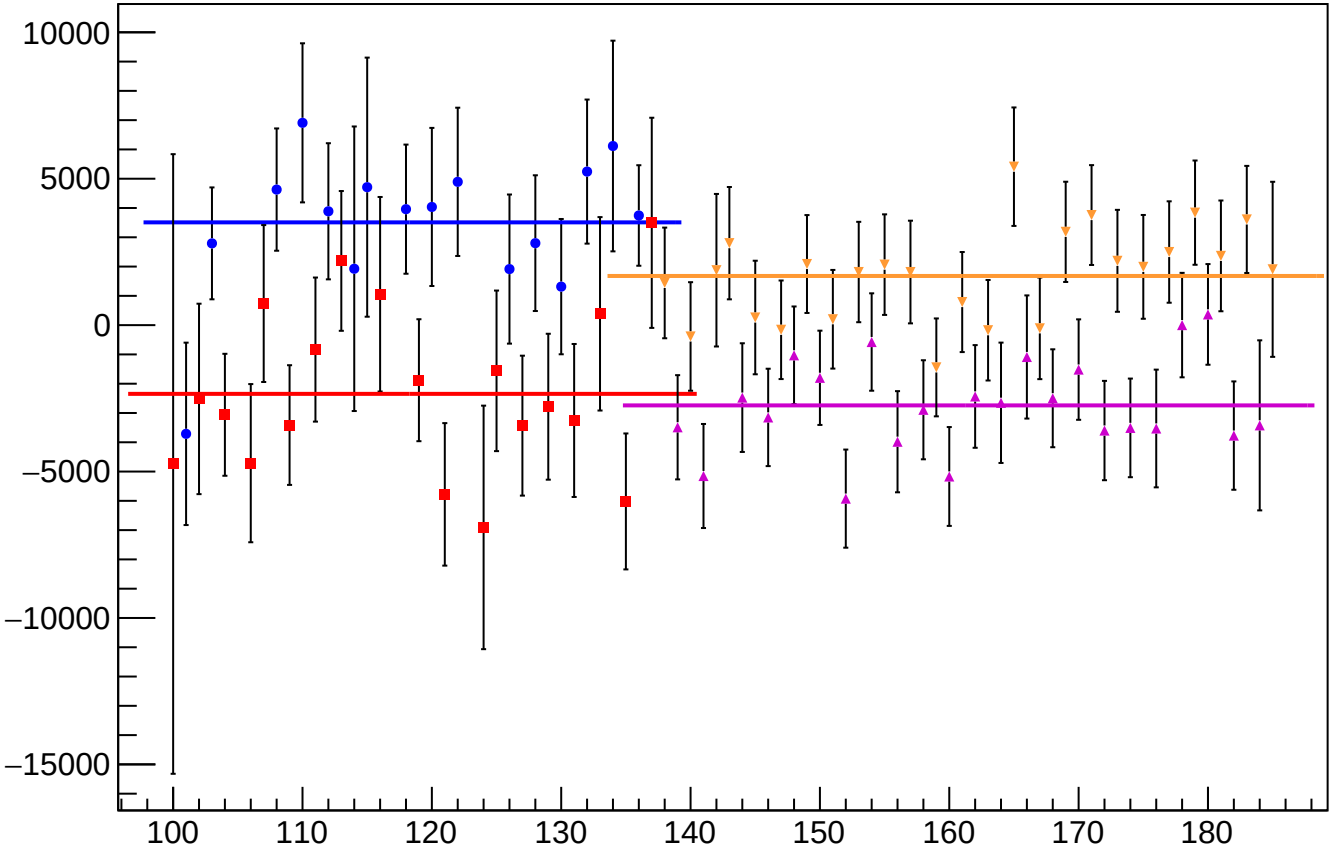
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5026.640+/-0.706 χ^2/NDF: 1990435.9/40

All: 4987.261+/-0.500 χ^2/NDF: 4331748.0/82

- sign 4947.616+/-0.709 χ^2/NDF: 2335075.4/41

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

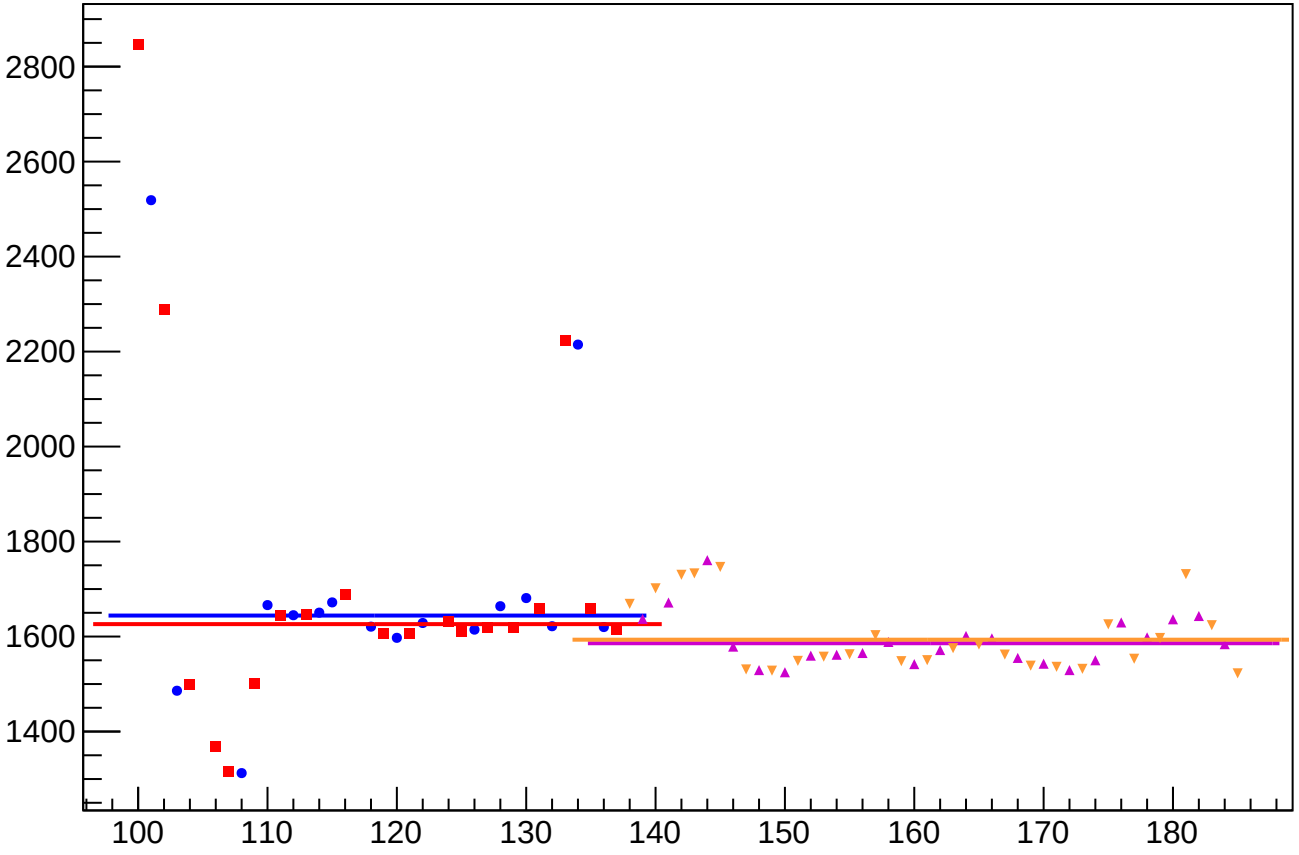
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2148.941+/-312.443 χ^2/NDF: 35.9/40

All: -212.519+/-222.309 χ^2/NDF: 188.2/82

- 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: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

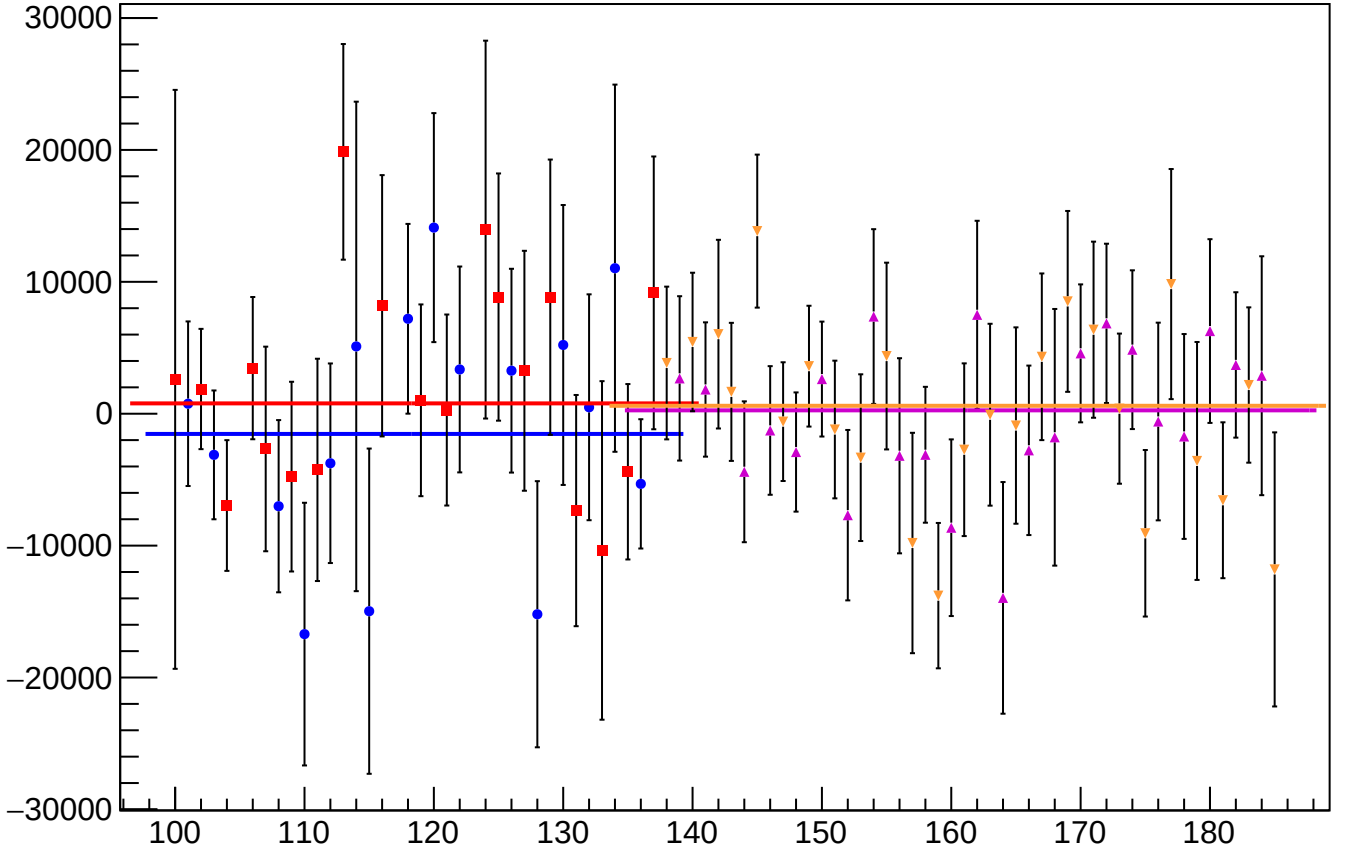
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1606.429+/-0.221 χ^2/NDF: 356785.5/40

All: 1601.698+/-0.157 χ^2/NDF: 643676.7/82

- 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: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

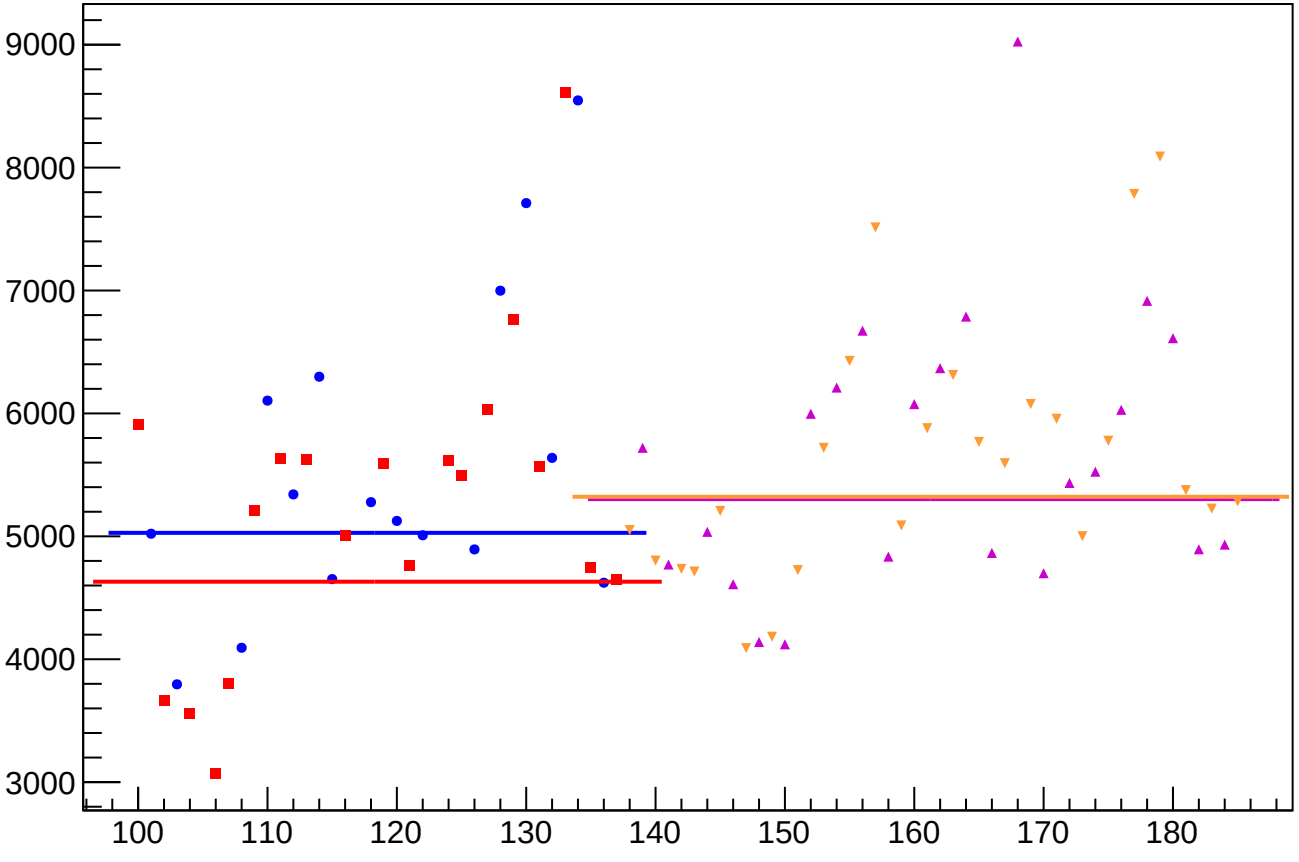
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign -24.520+/-1036.839 χ^2/NDF: 40.8/40

All: 209.181+/-728.444 χ^2/NDF: 70.6/82

\- 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: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

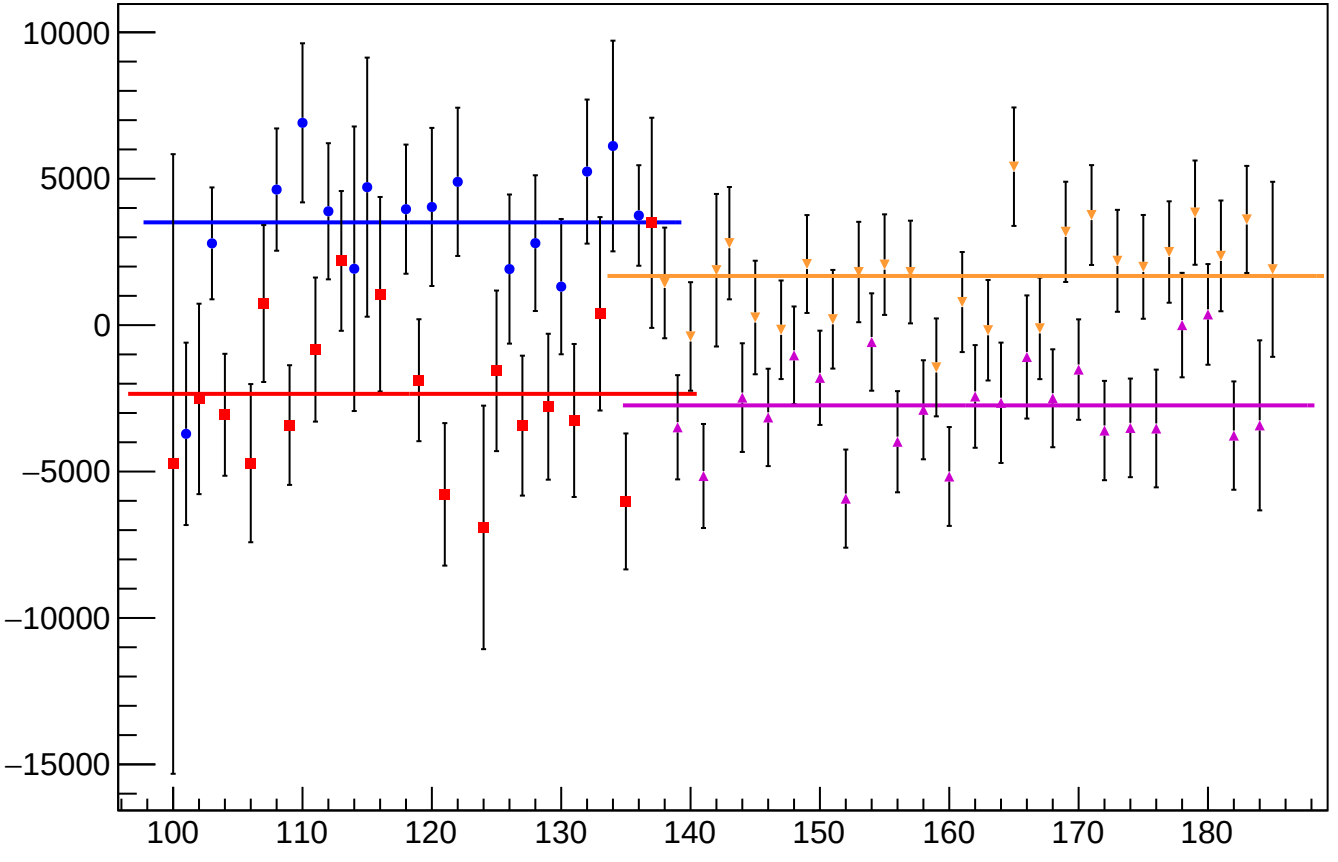
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5235.807+/-0.733 χ^2/NDF: 1635712.1/40

All: 5153.140+/-0.515 χ^2/NDF: 3870839.4/82

- sign 5072.565+/-0.724 χ^2/NDF: 2210021.6/41

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

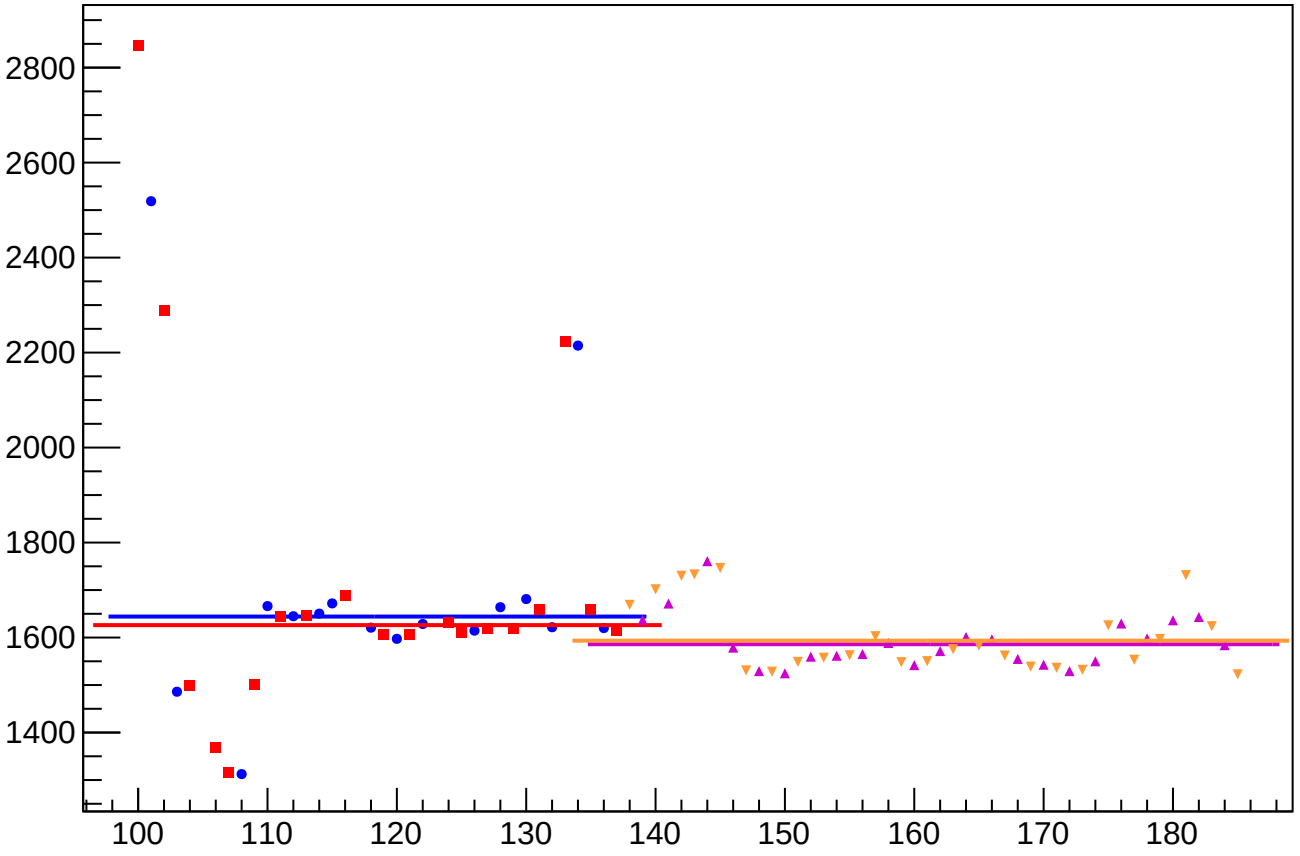
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2148.937+/-312.443 χ^2/NDF: 35.9/40

All: -212.522+/-222.310 χ^2/NDF: 188.2/82

- 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: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

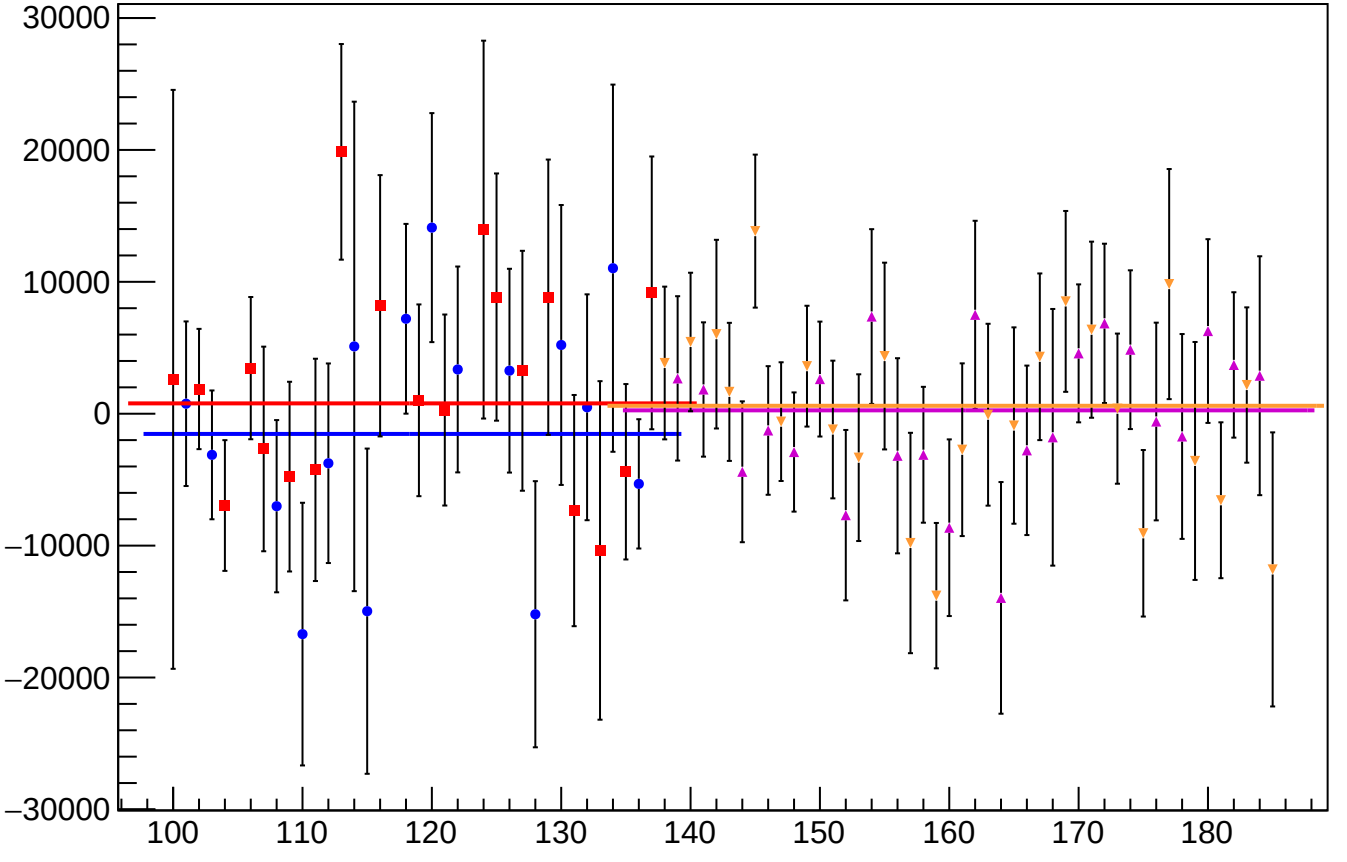
Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1606.429+/-0.221 χ^2/NDF: 356785.0/40

All: 1601.699+/-0.157 χ^2/NDF: 643675.2/82

- 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: 601.817+/-1233.561 χ^2/NDF:26.0/24

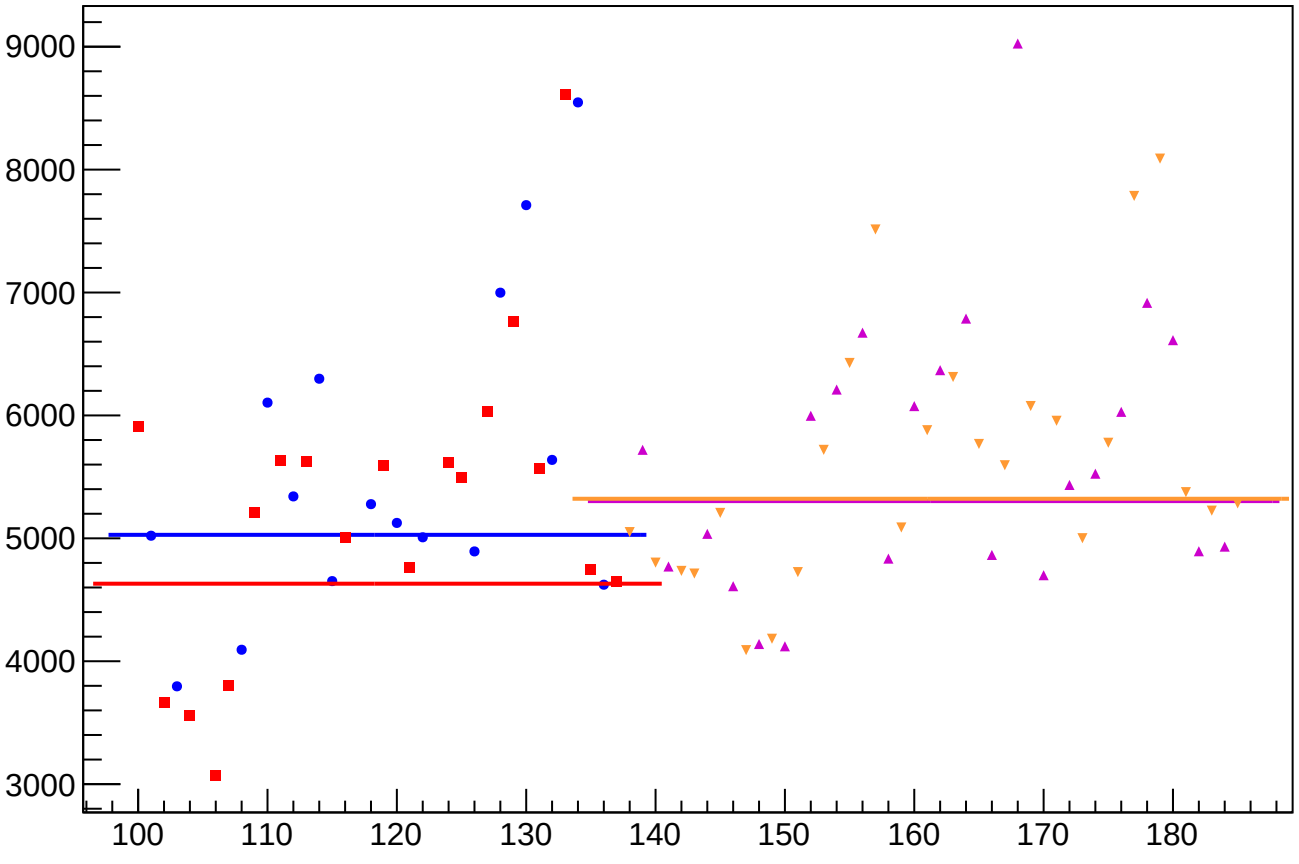
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign -24.521+/-1036.840 χ^2/NDF: 40.8/40

All: 209.182+/-728.444 χ^2/NDF: 70.6/82

\- 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: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

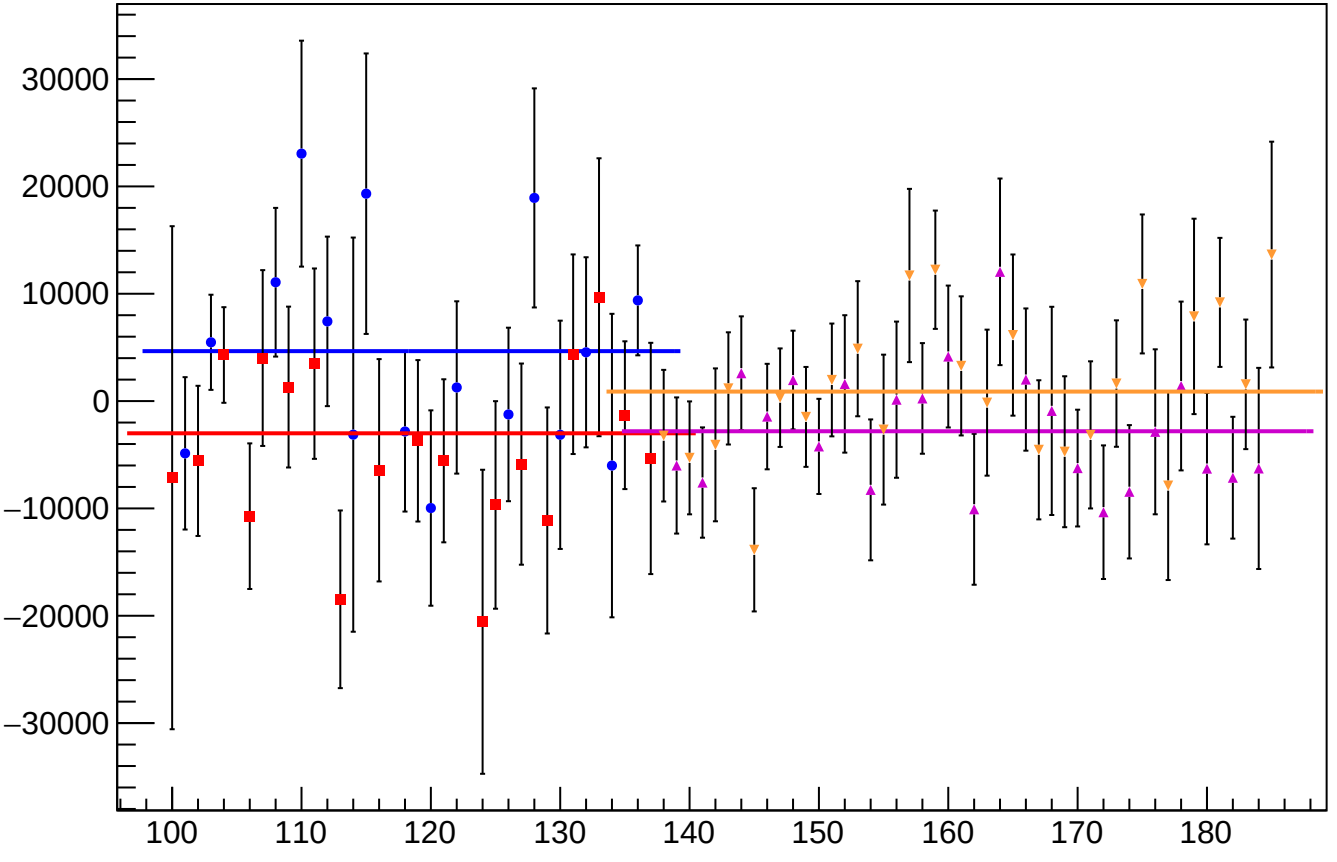
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5235.812+/-0.733 χ^2/NDF: 1635711.6/40

All: 5153.144+/-0.515 χ^2/NDF: 3870846.4/82

- 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: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

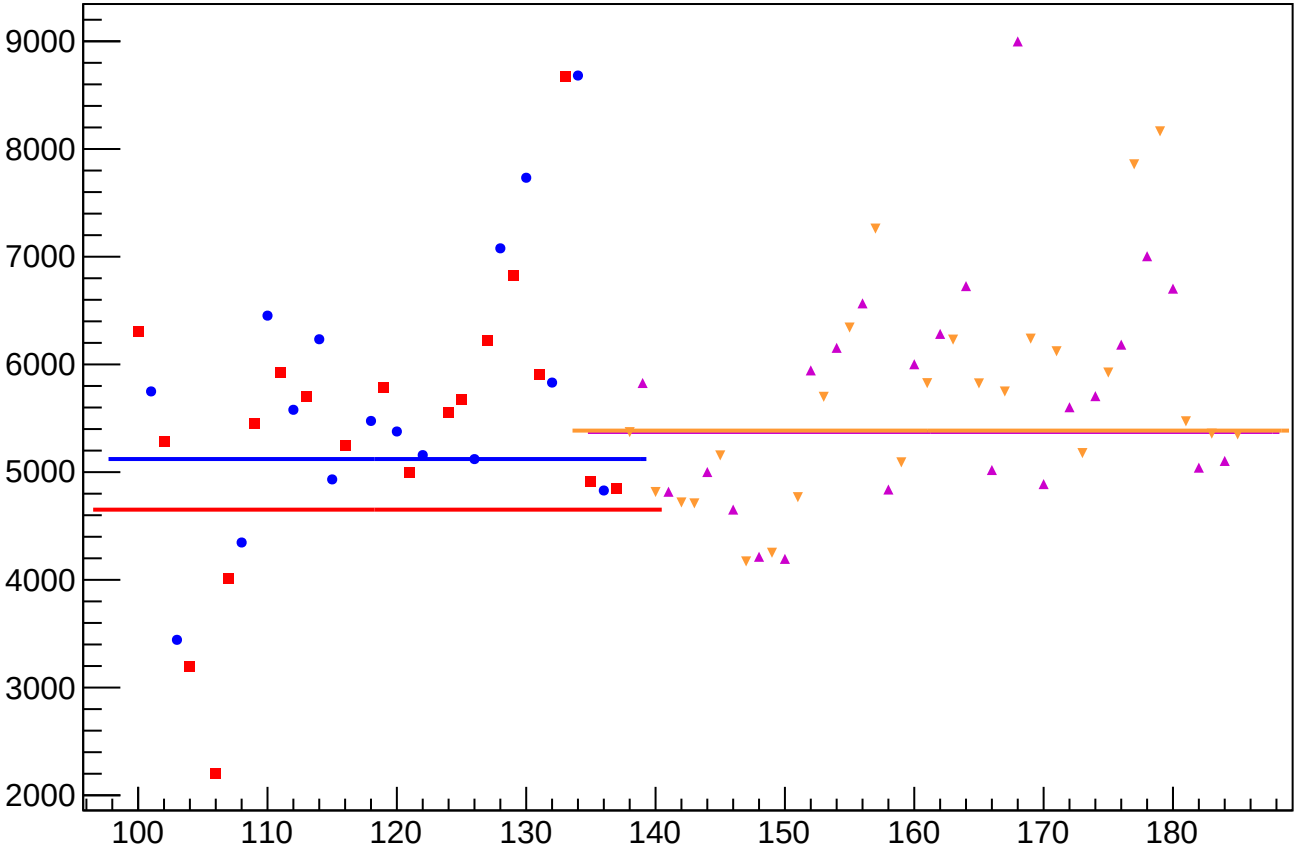
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

\+ sign 1971.682+/-1051.579 χ^2/NDF: 43.8/40

All: -437.095+/-745.480 χ^2/NDF: 82.9/82

\- 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: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

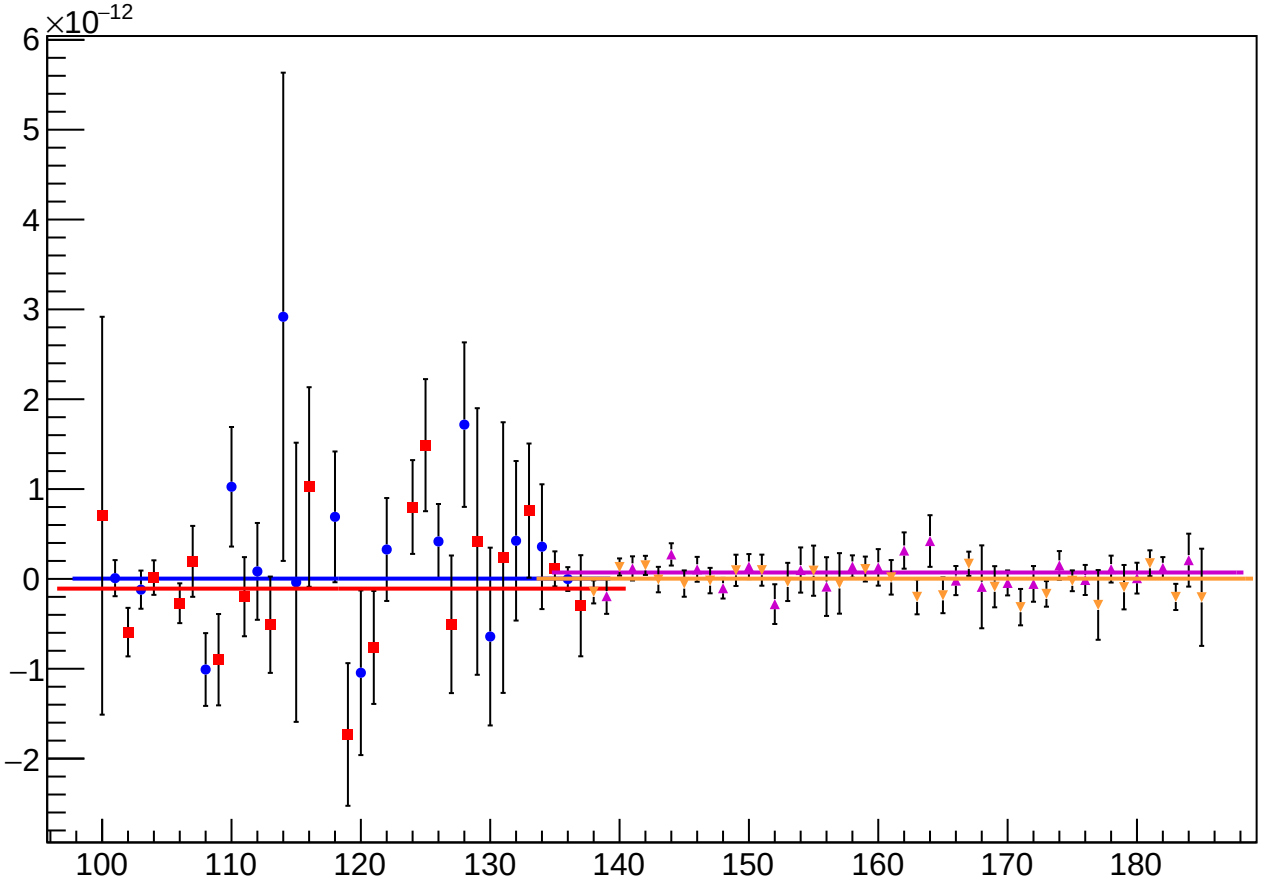
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5309.540+/-0.744 χ^2/NDF: 1733325.0/40

All: 5220.742+/-0.524 χ^2/NDF: 4390157.2/82

- 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:18.3/24

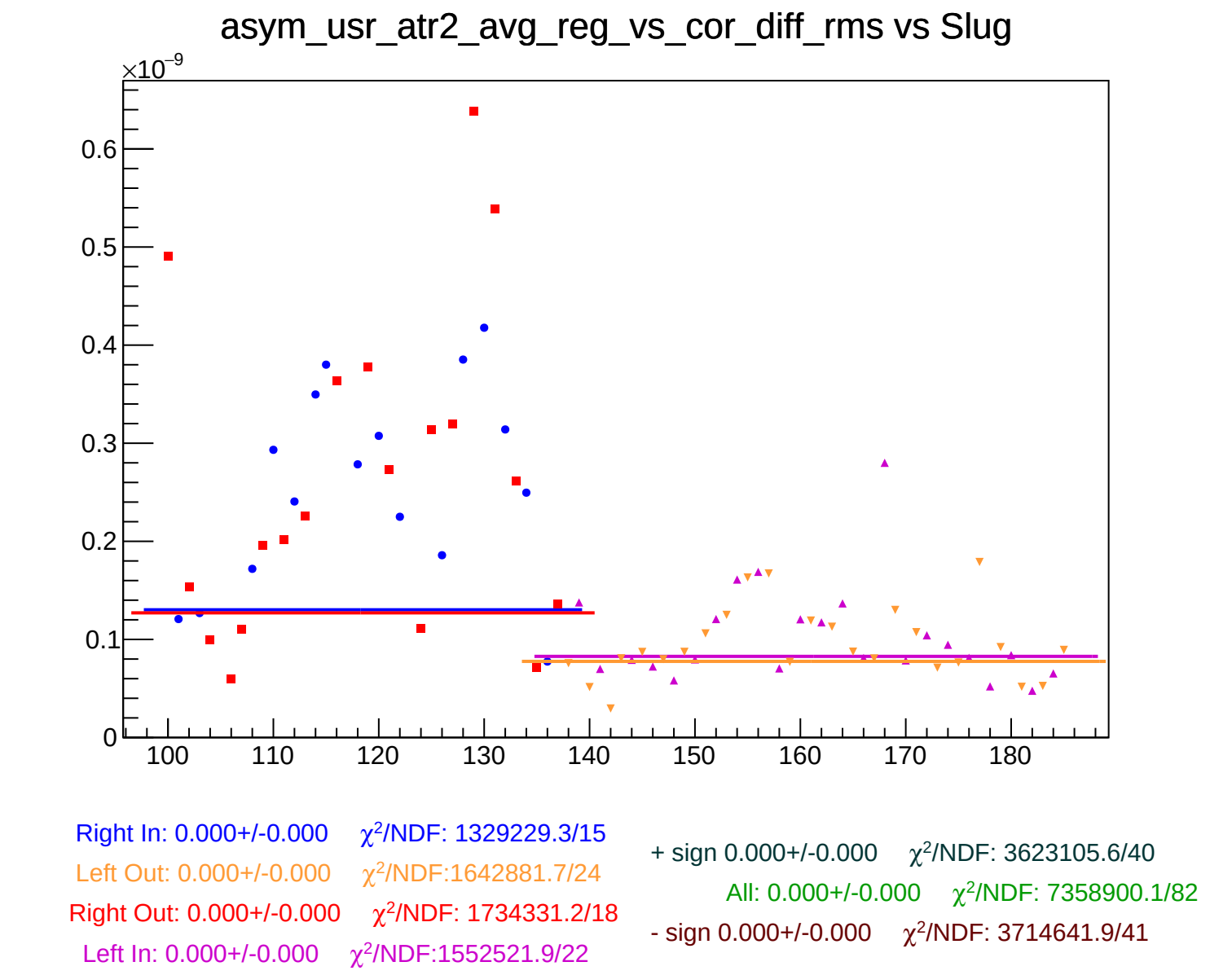
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

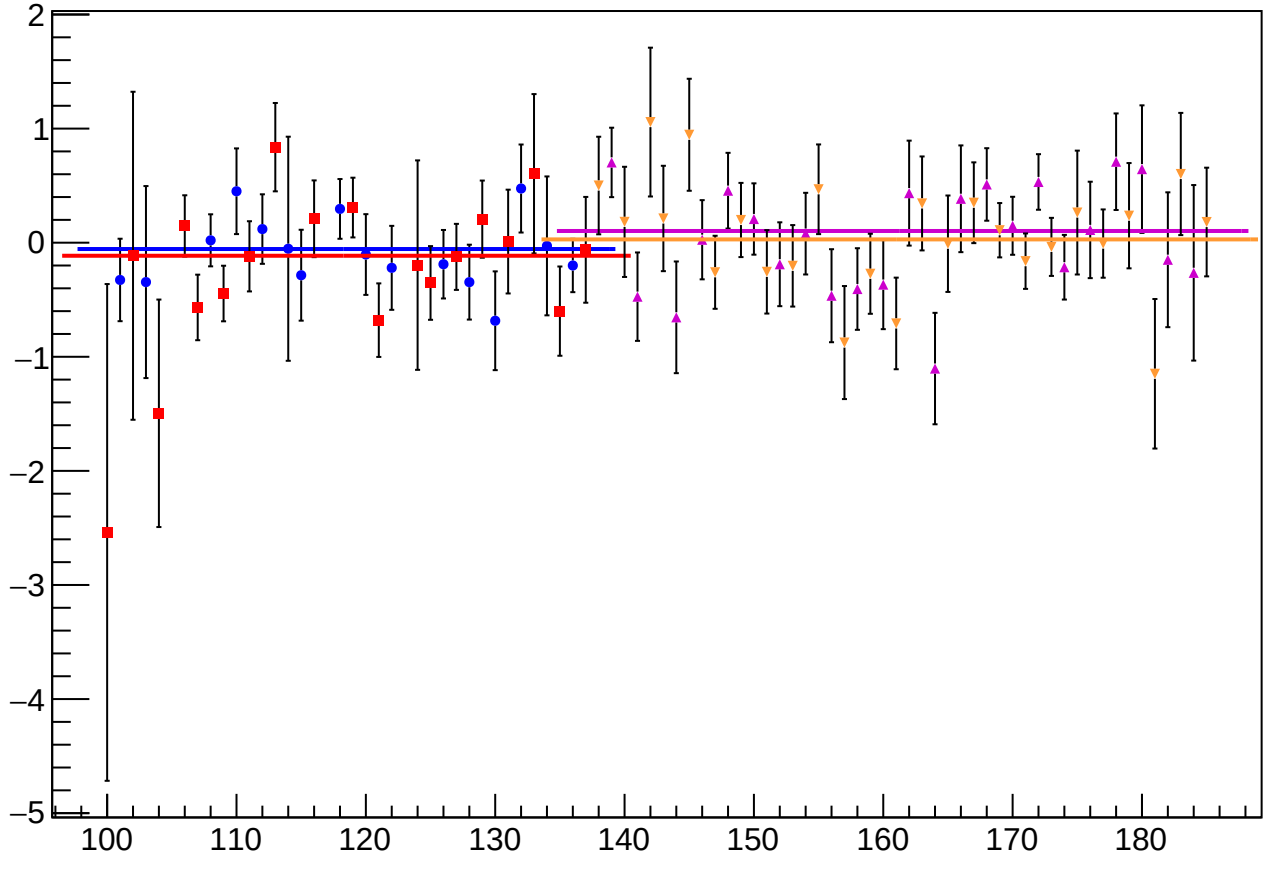
+ sign 0.000+/-0.000 χ^2/NDF: 36.4/40

All: 0.000+/-0.000 χ^2/NDF: 81.9/82

- sign 0.000+/-0.000 χ^2/NDF: 44.5/41


asym_usr_atr2_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: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
+ sign 0.000+/-0.000 χ²/NDF: 3623105.6/40
All: 0.000+/-0.000 χ²/NDF: 7358900.1/82
- sign 0.000+/-0.000 χ²/NDF: 3714641.9/41

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

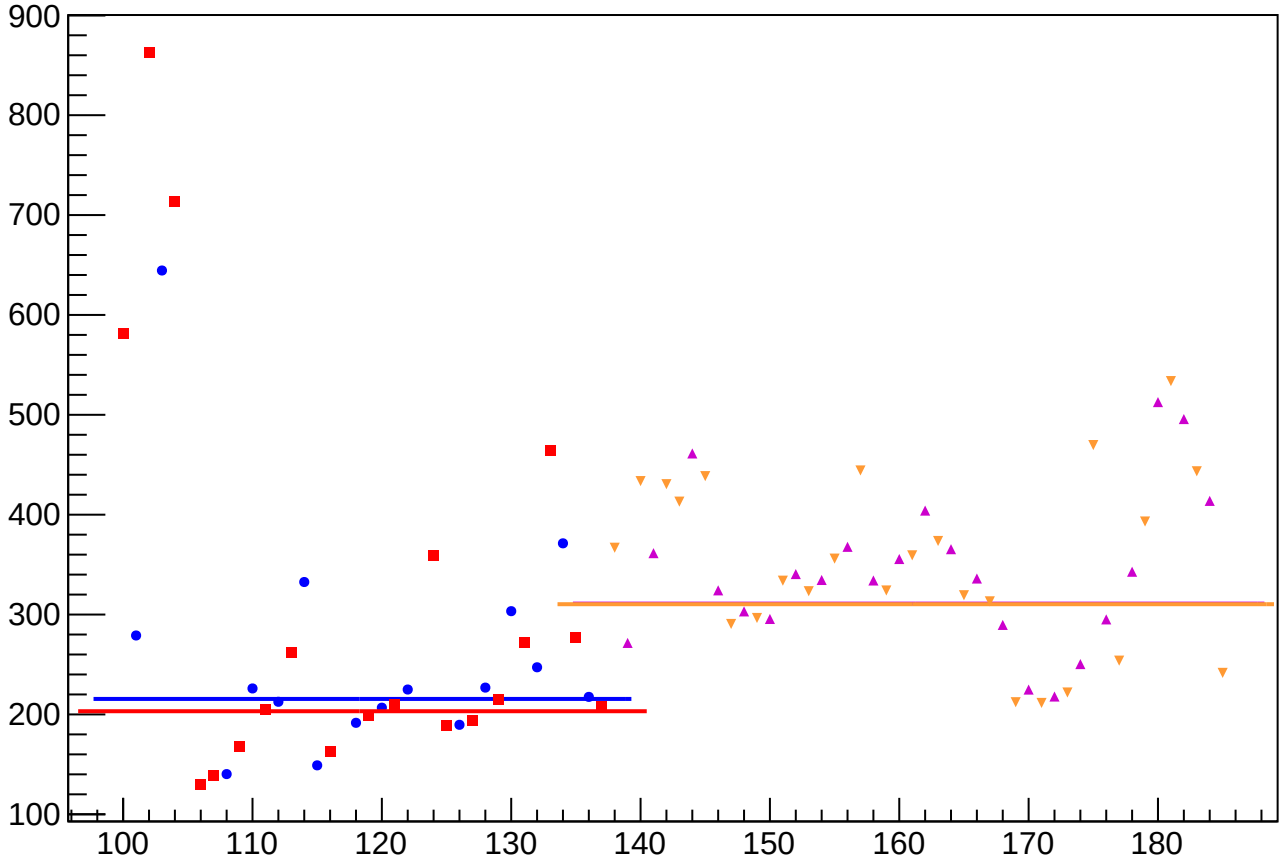
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.008+/-0.056 χ^2/NDF: 36.6/40

All: -0.002+/-0.040 χ^2/NDF: 97.8/82

- 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: 310.359+/-0.053 χ^2/NDF:2363086.4/24

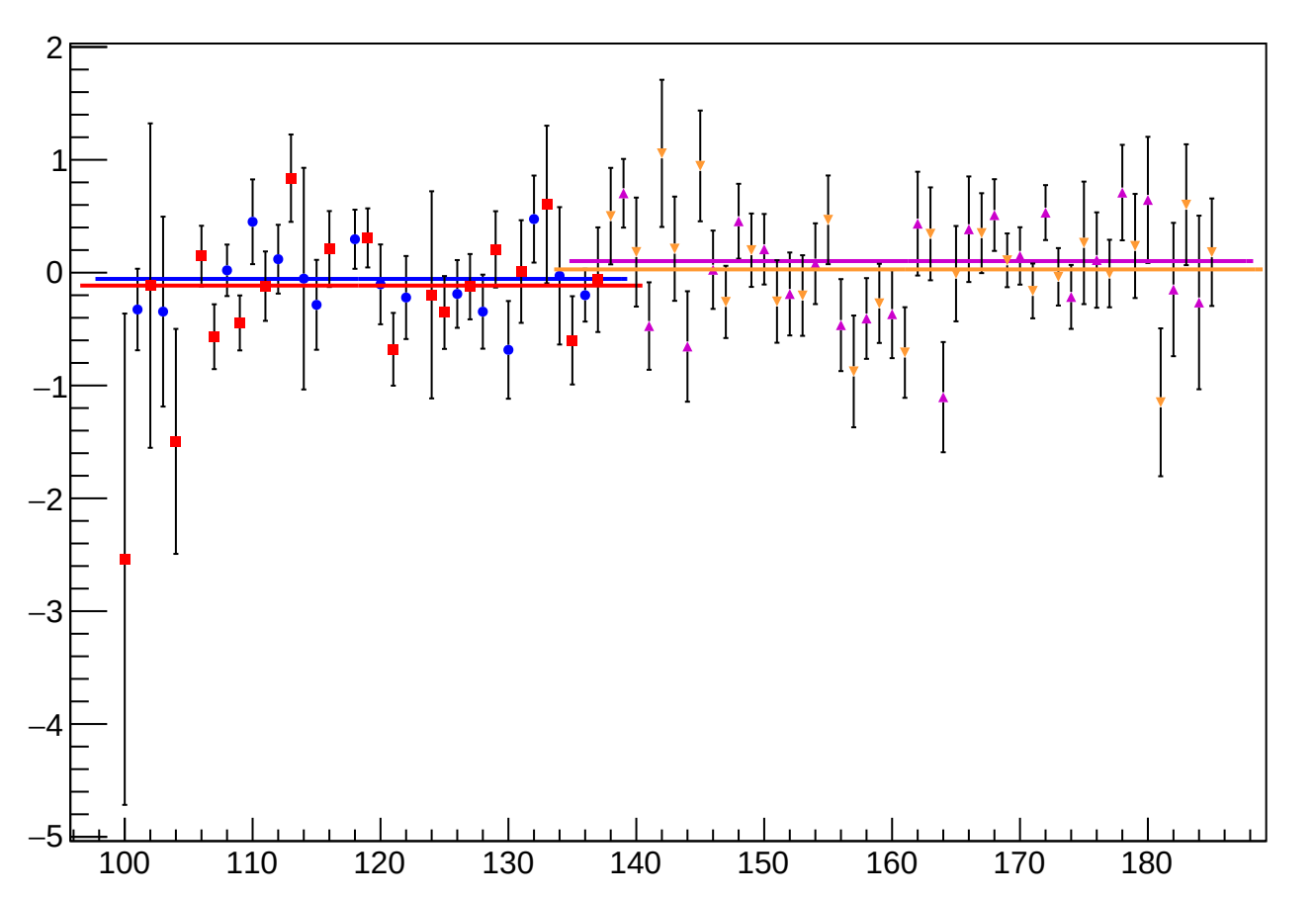
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.308+/-0.040 χ^2/NDF: 4908466.7/40

All: 265.543+/-0.028 χ^2/NDF: 10185104.3/82

- 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: 0.029+/-0.075 χ^2/NDF:25.3/24

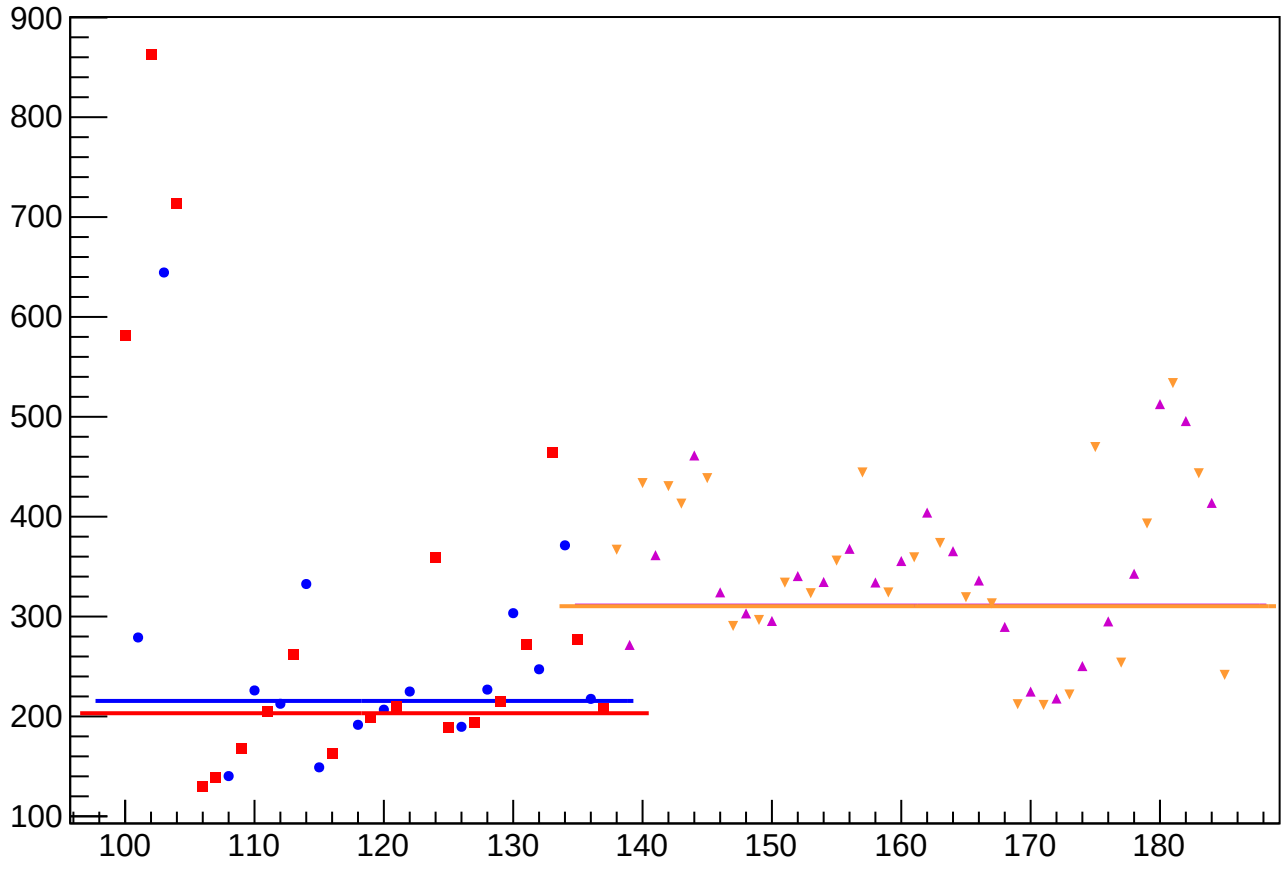
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.008+/-0.056 χ^2/NDF: 36.6/40

All: -0.002+/-0.040 χ^2/NDF: 97.8/82

- sign 0.004+/-0.056 χ^2/NDF: 61.2/41



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

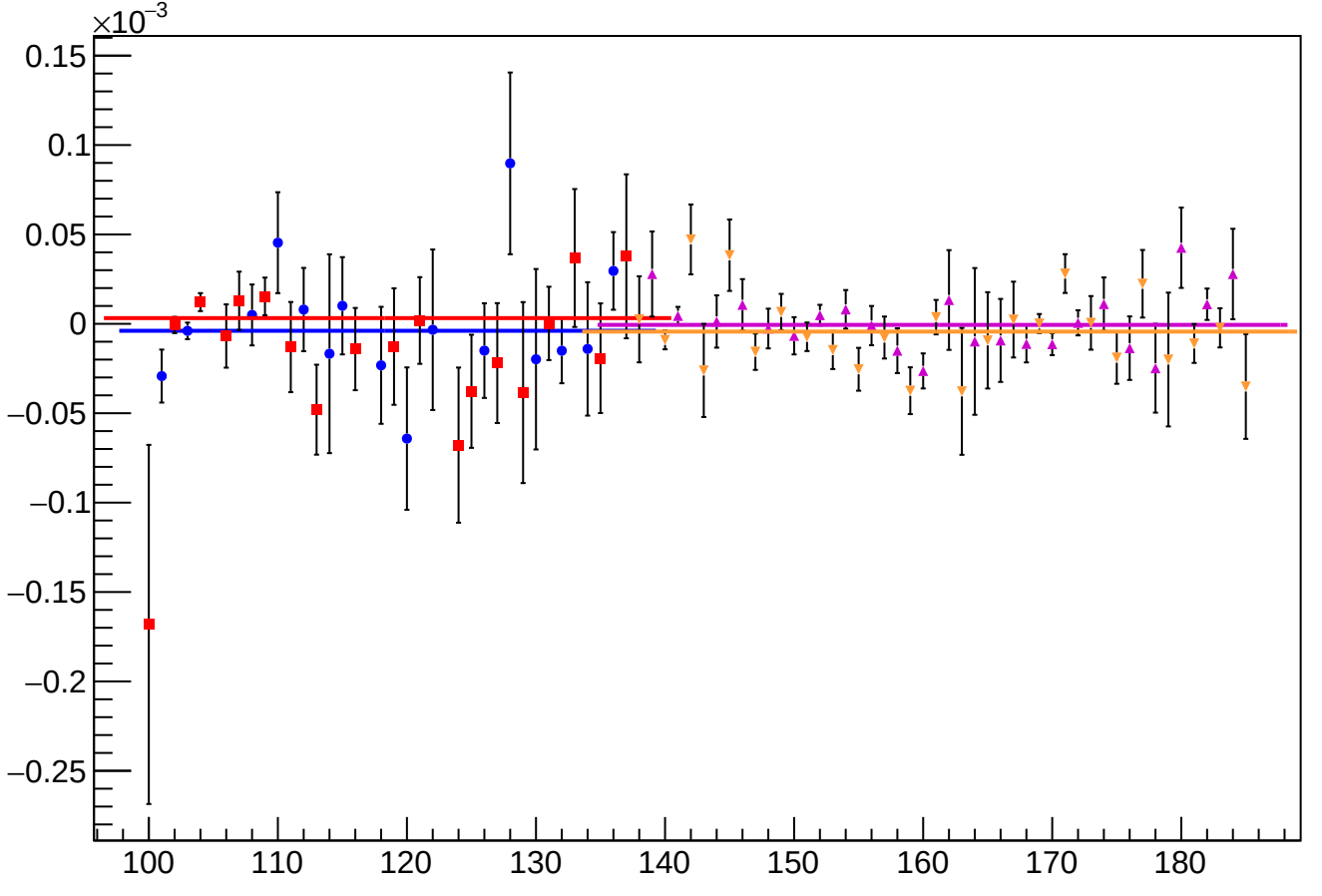
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.308+/-0.040 χ^2/NDF: 4908466.7/40

All: 265.543+/-0.028 χ^2/NDF: 10185104.3/82

- 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:42.3/24

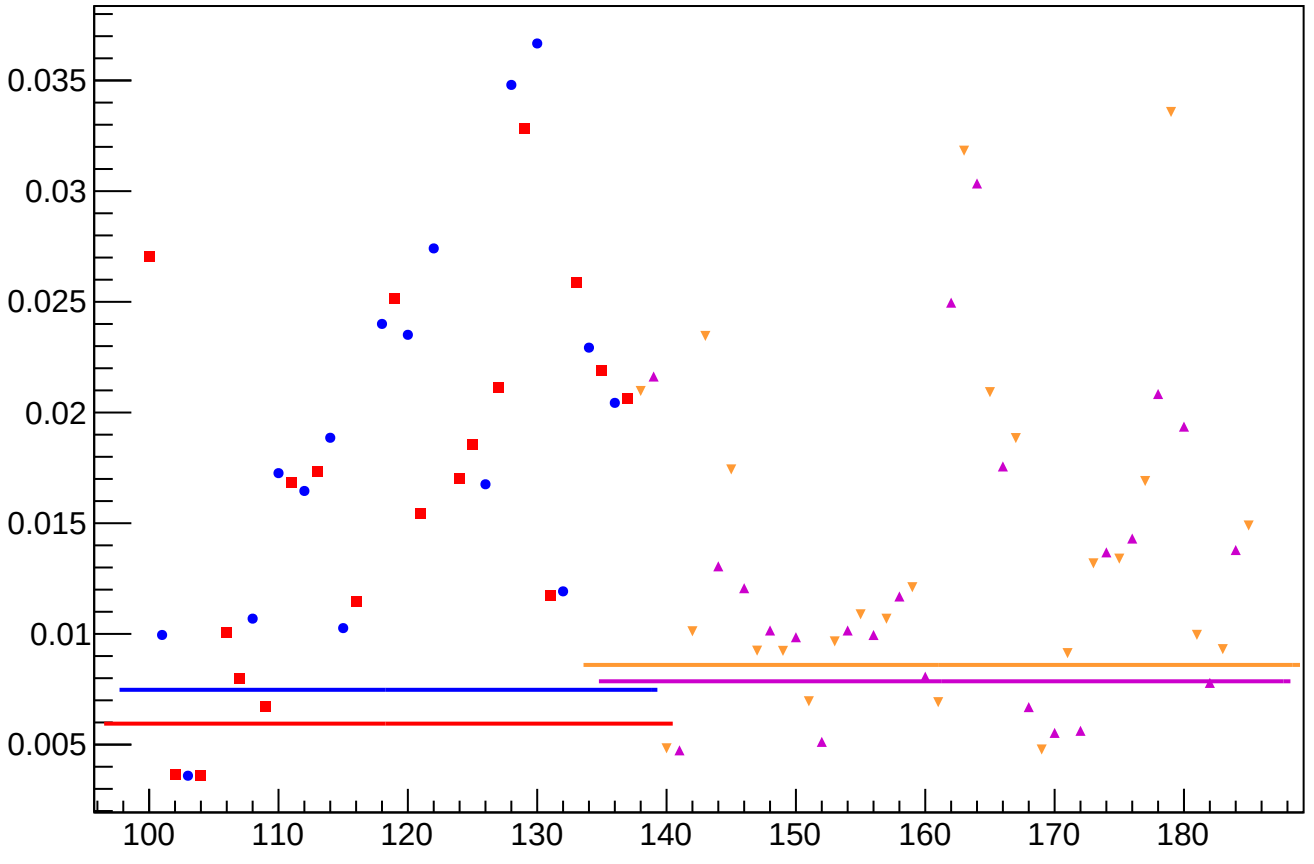
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.3/40

All: -0.000+/-0.000 χ^2/NDF: 111.3/82

- sign 0.000+/-0.000 χ^2/NDF: 49.3/41



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

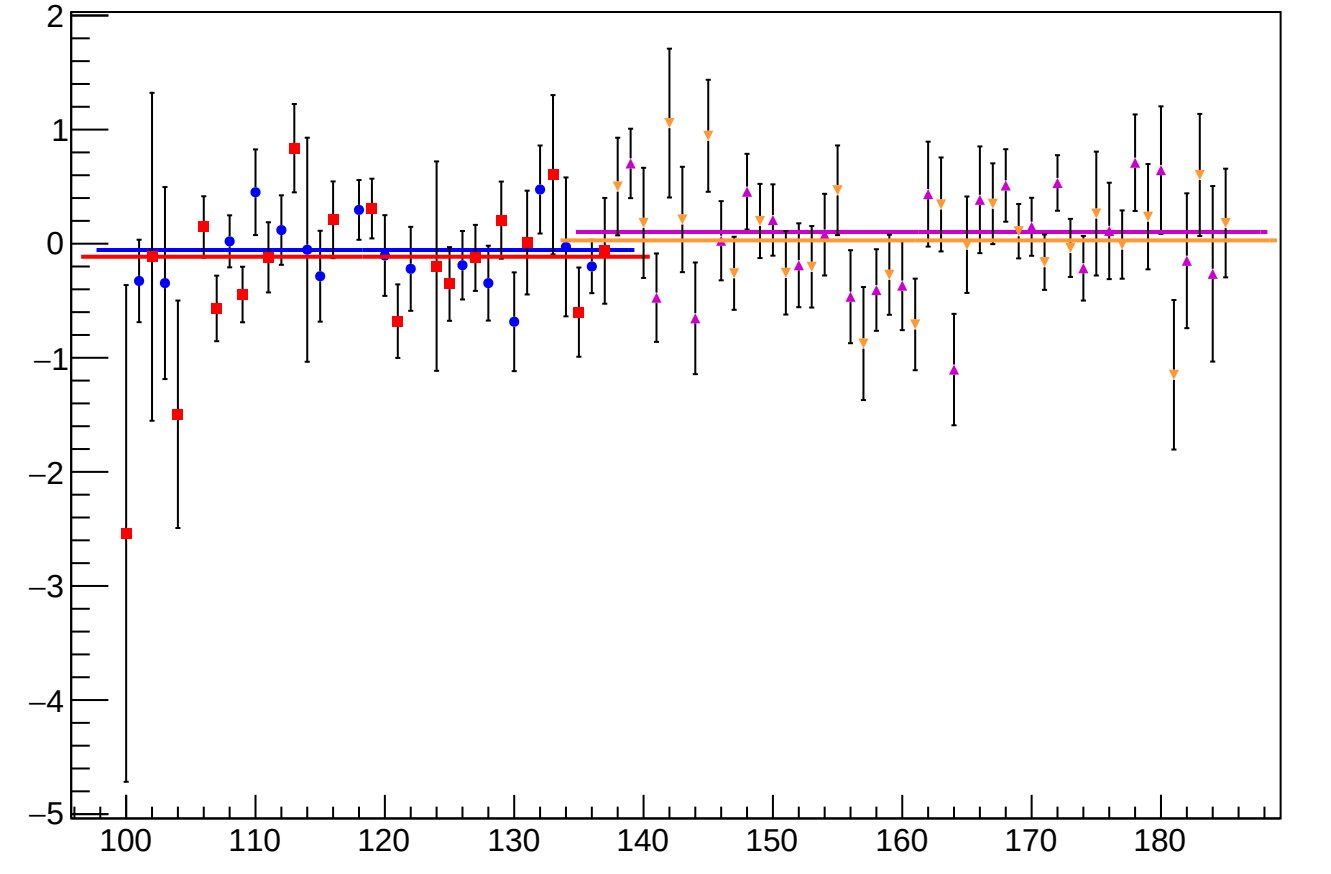
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 13859949.8/40

All: 0.008+/-0.000 χ^2/NDF: 27514031.0/82

- sign 0.007+/-0.000 χ^2/NDF: 13276687.1/41



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

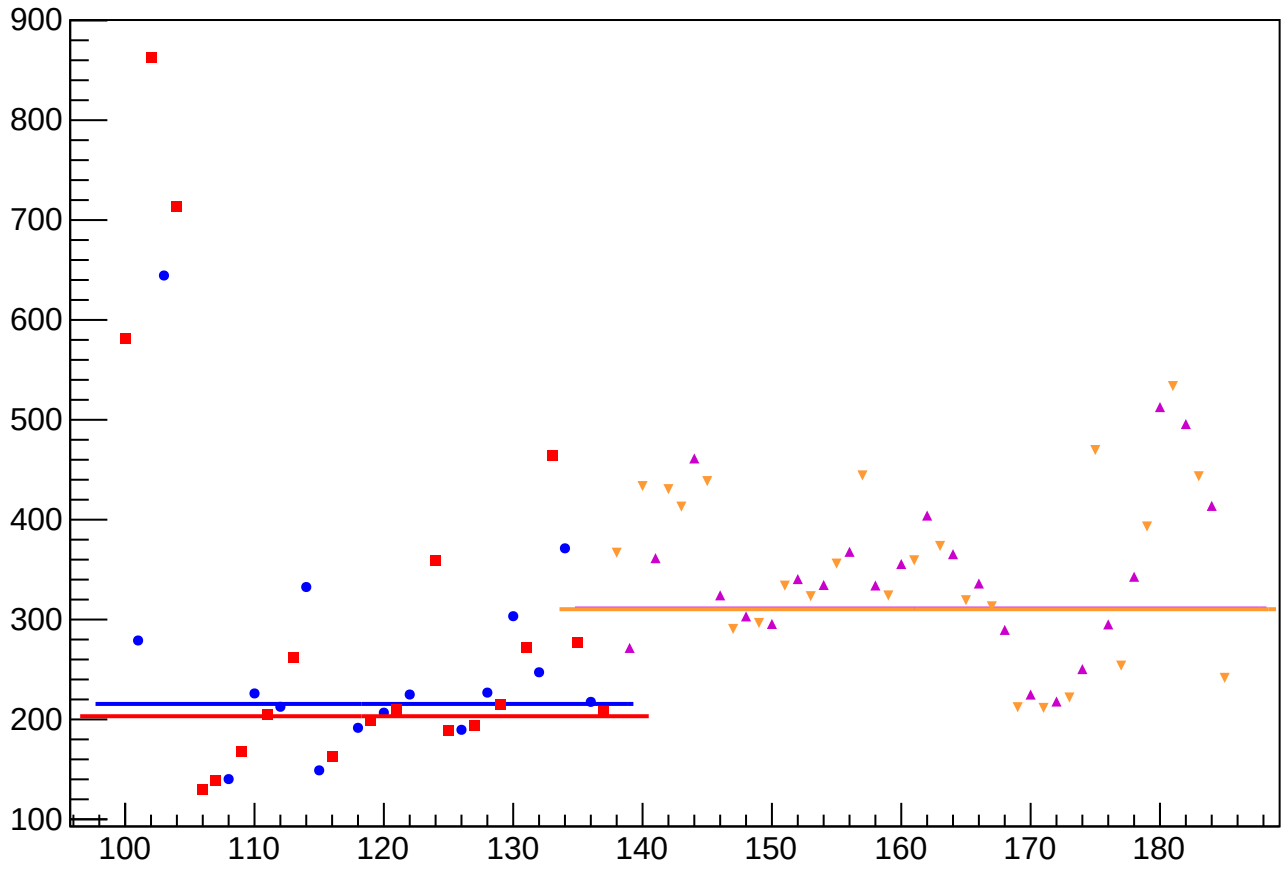
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.008+/-0.056 χ^2/NDF: 36.6/40

All: -0.002+/-0.040 χ^2/NDF: 97.8/82

- 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: 310.362+/-0.053 χ^2/NDF:2363148.8/24

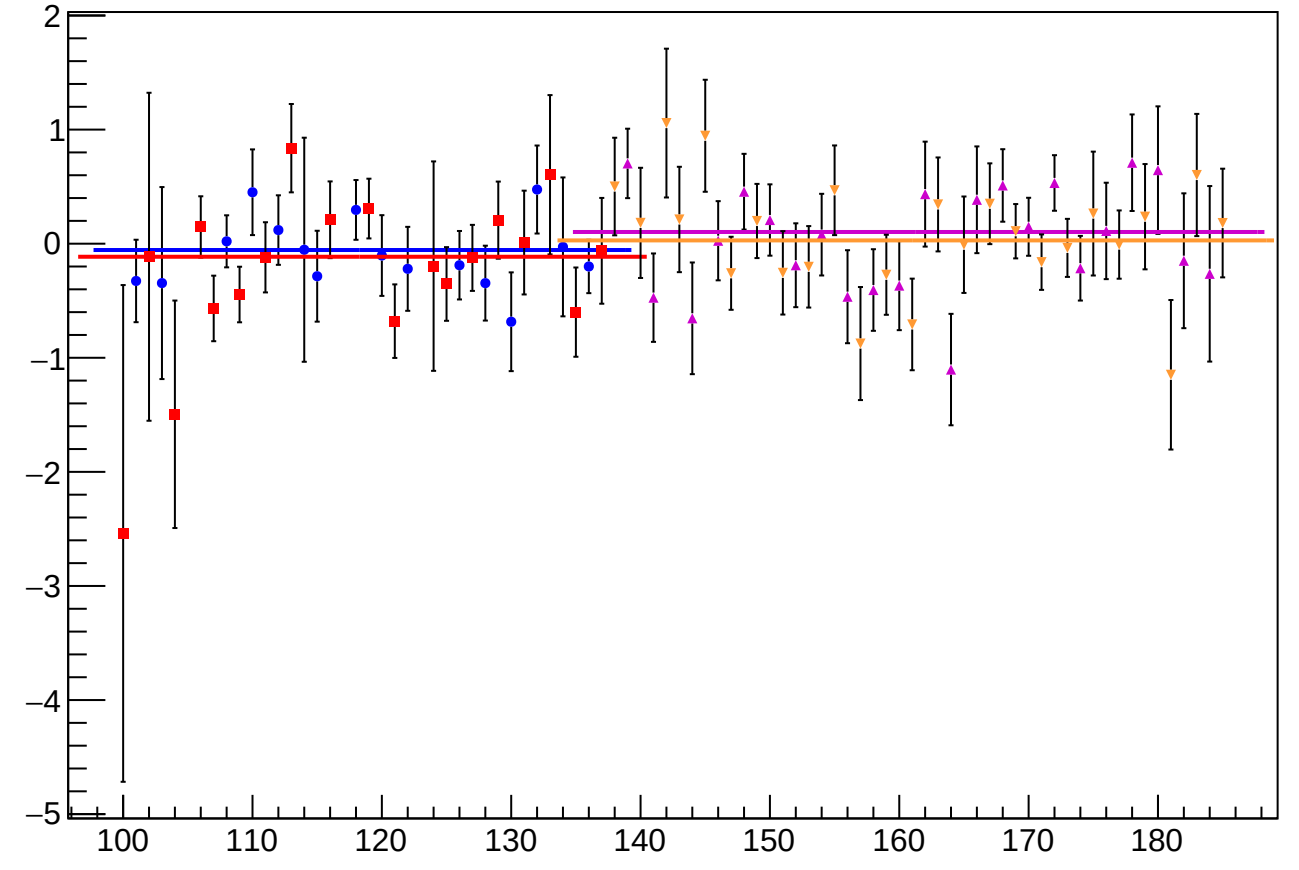
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.308+/-0.040 χ^2/NDF: 4908631.6/40

All: 265.543+/-0.028 χ^2/NDF: 10185447.1/82

- 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: 0.029+/-0.075 χ^2/NDF:25.3/24

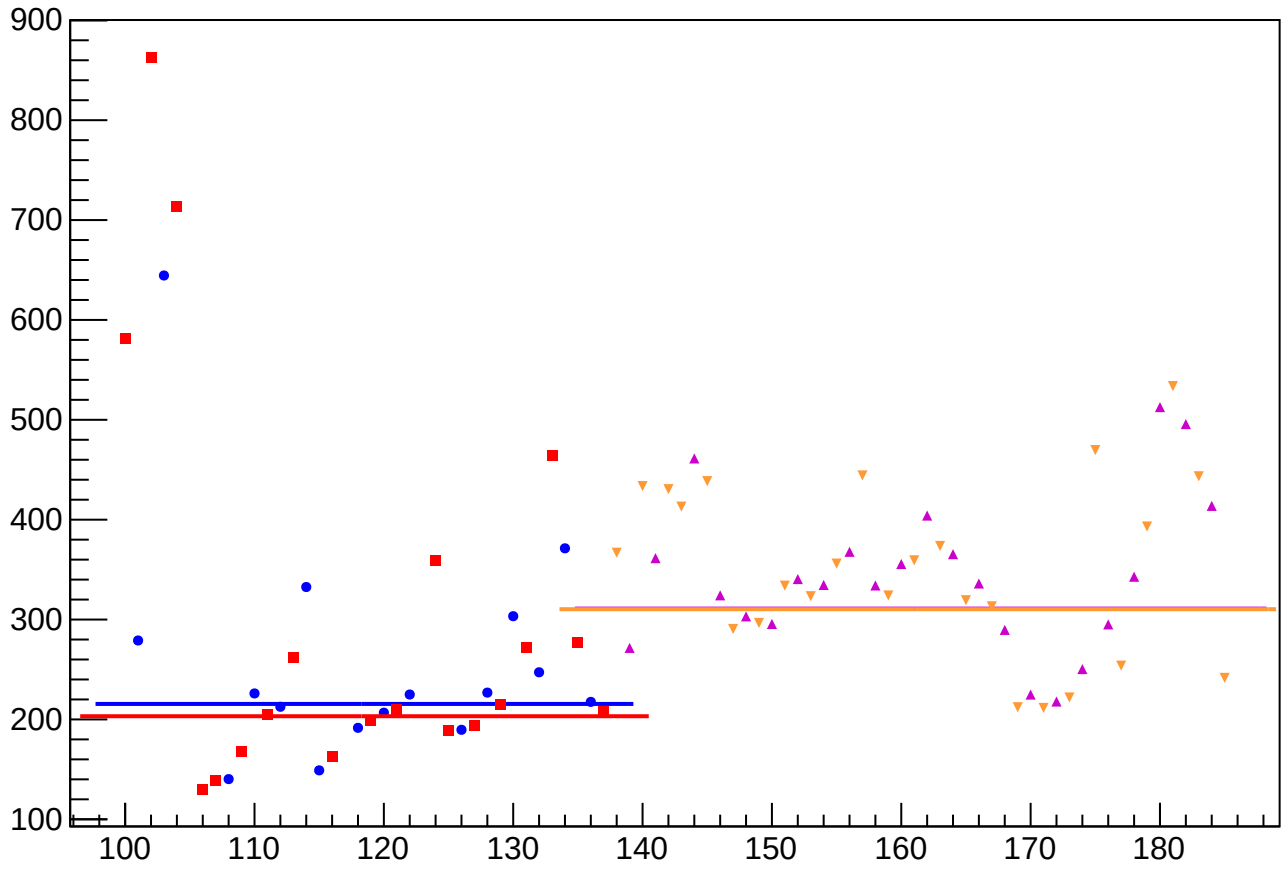
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.008+/-0.056 χ^2/NDF: 36.6/40

All: -0.002+/-0.040 χ^2/NDF: 97.8/82

- 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: 310.362+/-0.053 χ^2/NDF:2363148.8/24

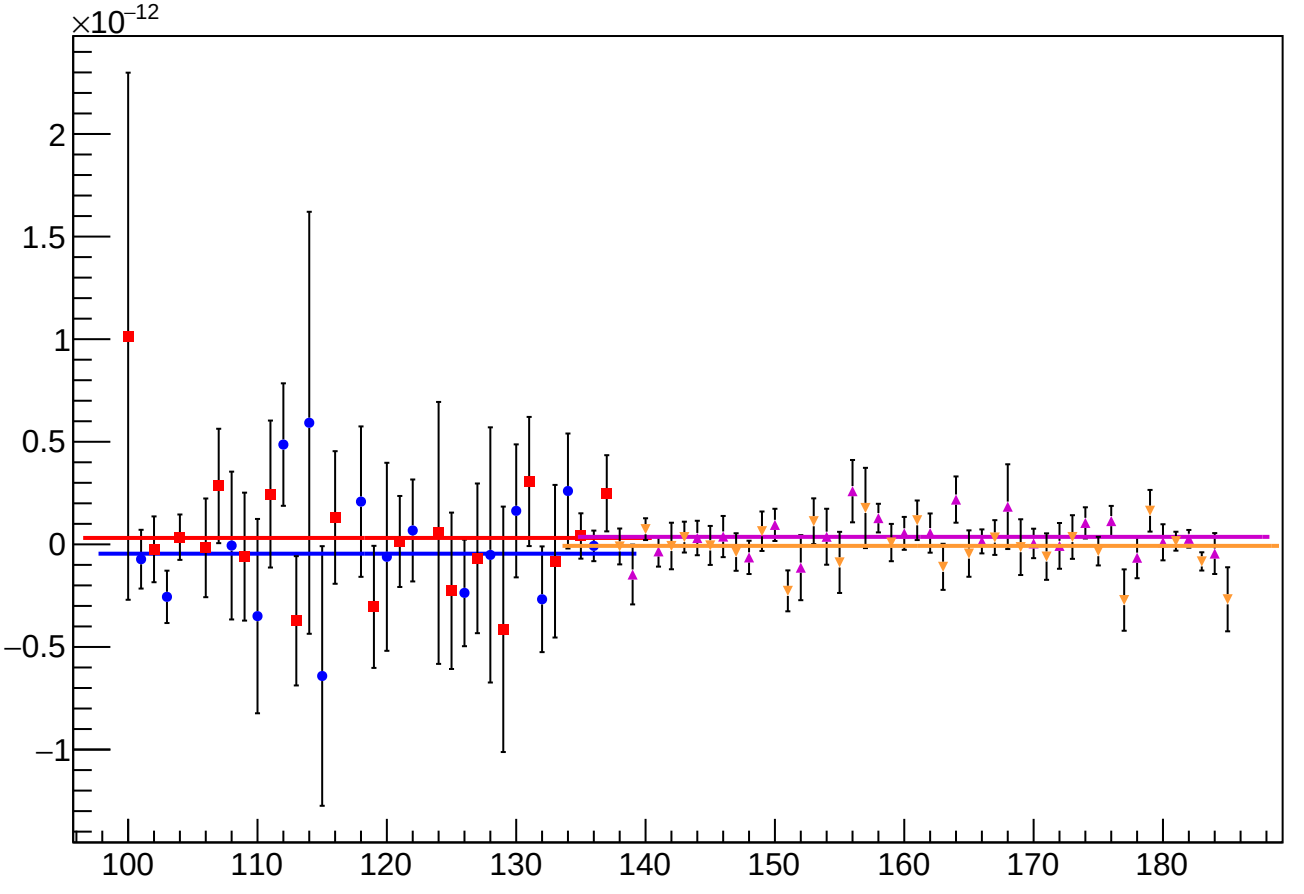
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.308+/-0.040 χ^2/NDF: 4908631.6/40

All: 265.543+/-0.028 χ^2/NDF: 10185447.1/82

- 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:25.8/24

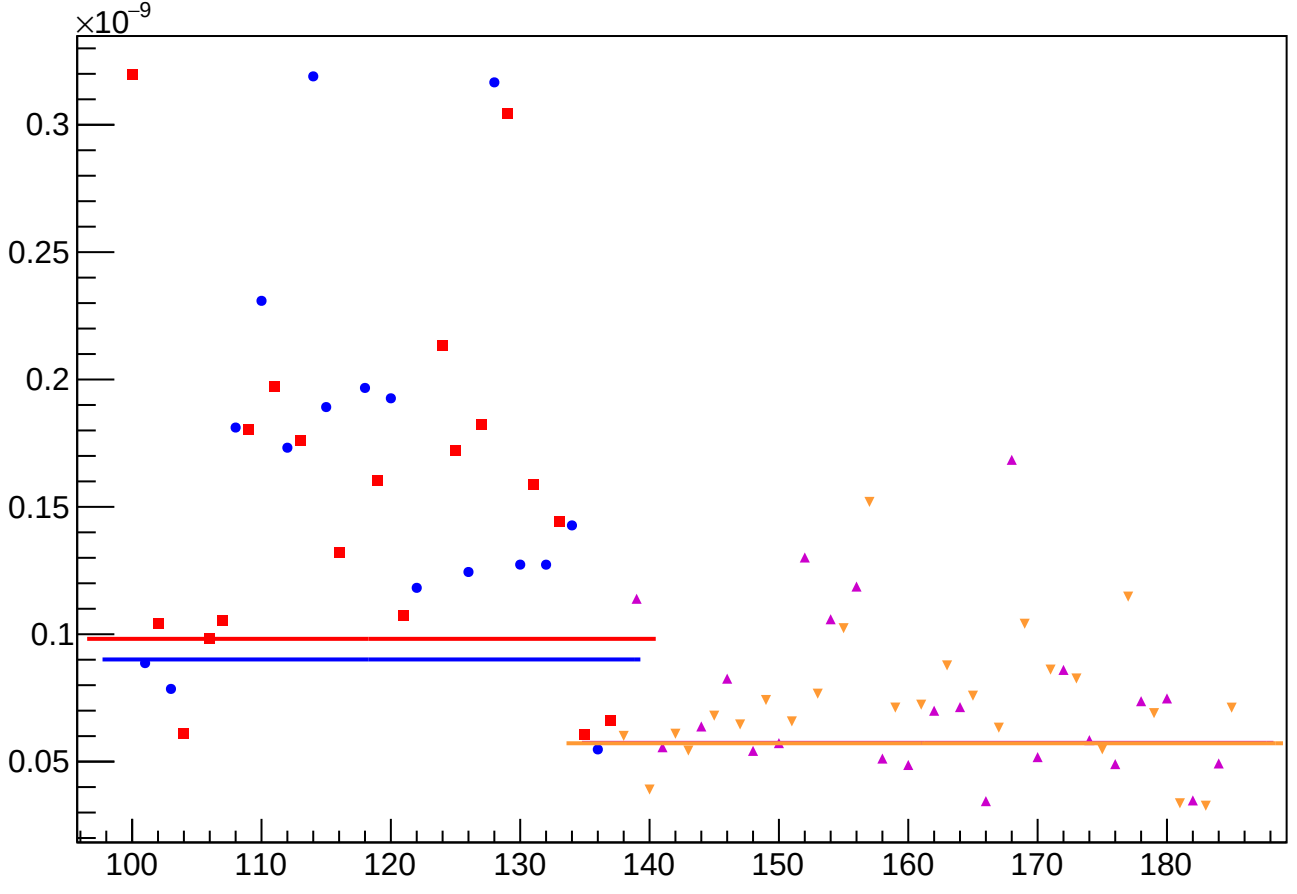
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.8/40

All: 0.000+/-0.000 χ^2/NDF: 67.1/82

- 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:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

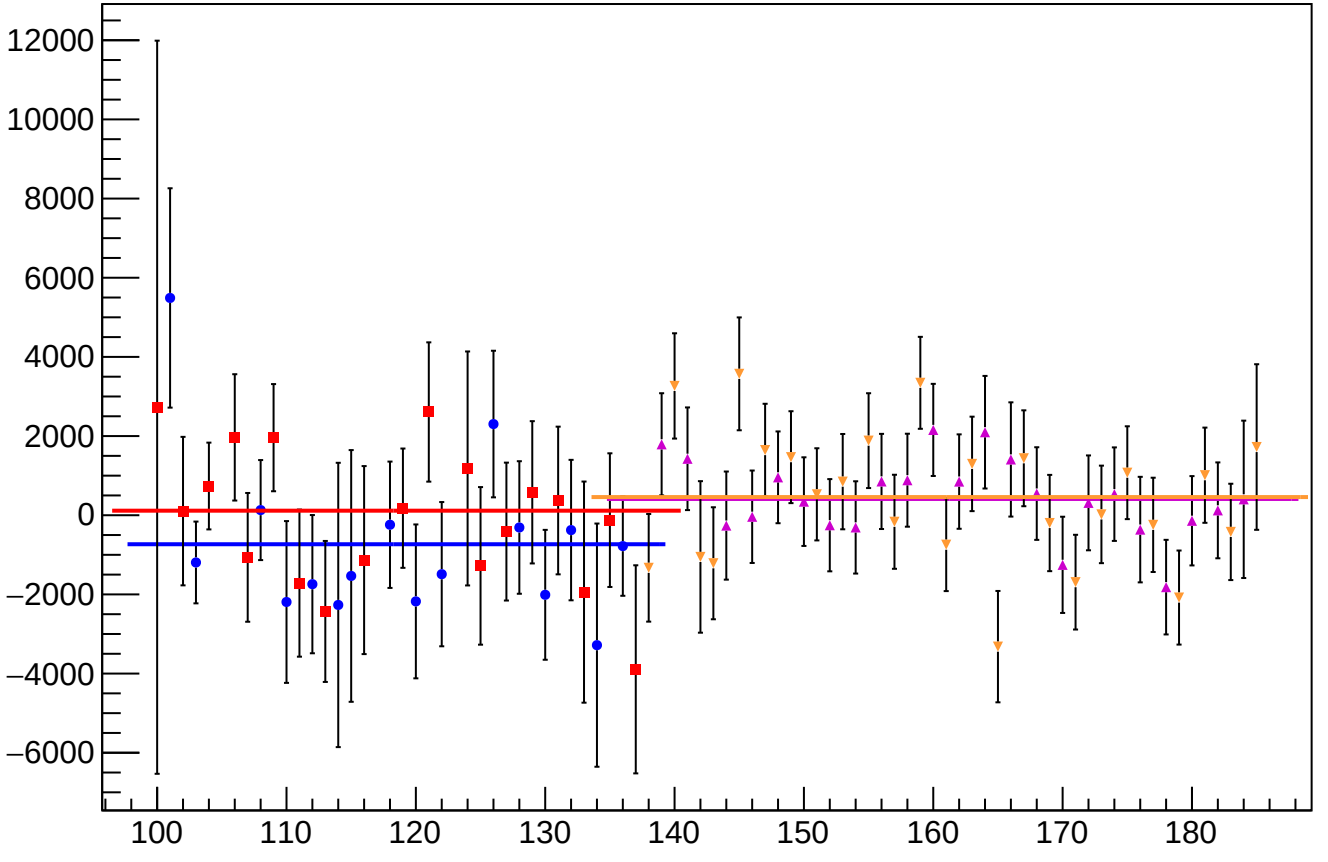
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5922509.3/40

All: 0.000+/-0.000 χ^2/NDF: 12024456.2/82

- 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: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

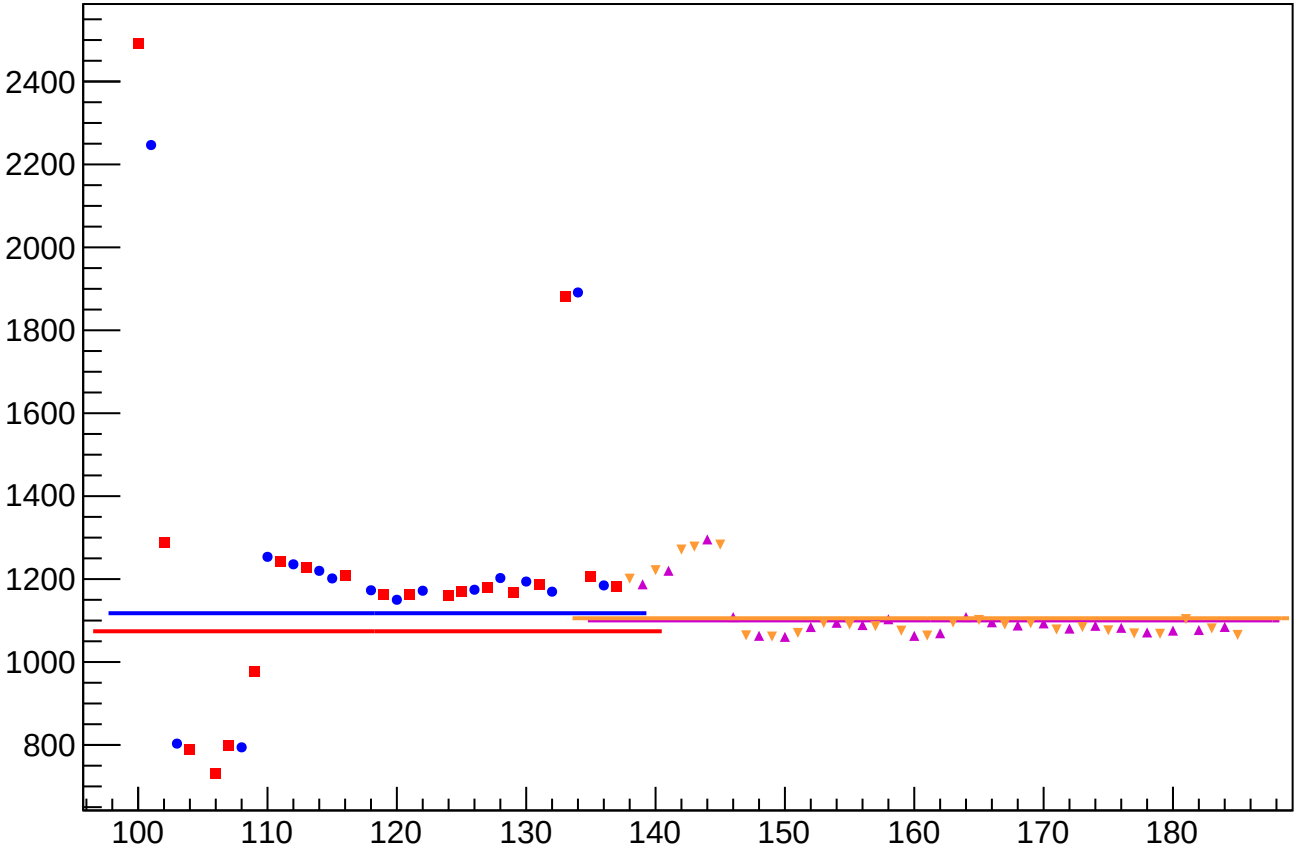
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 152.231+/-216.779 χ^2/NDF: 59.6/40

All: 239.599+/-153.749 χ^2/NDF: 87.0/82

- 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: 1105.549+/-0.178 χ^2/NDF:121950.0/24

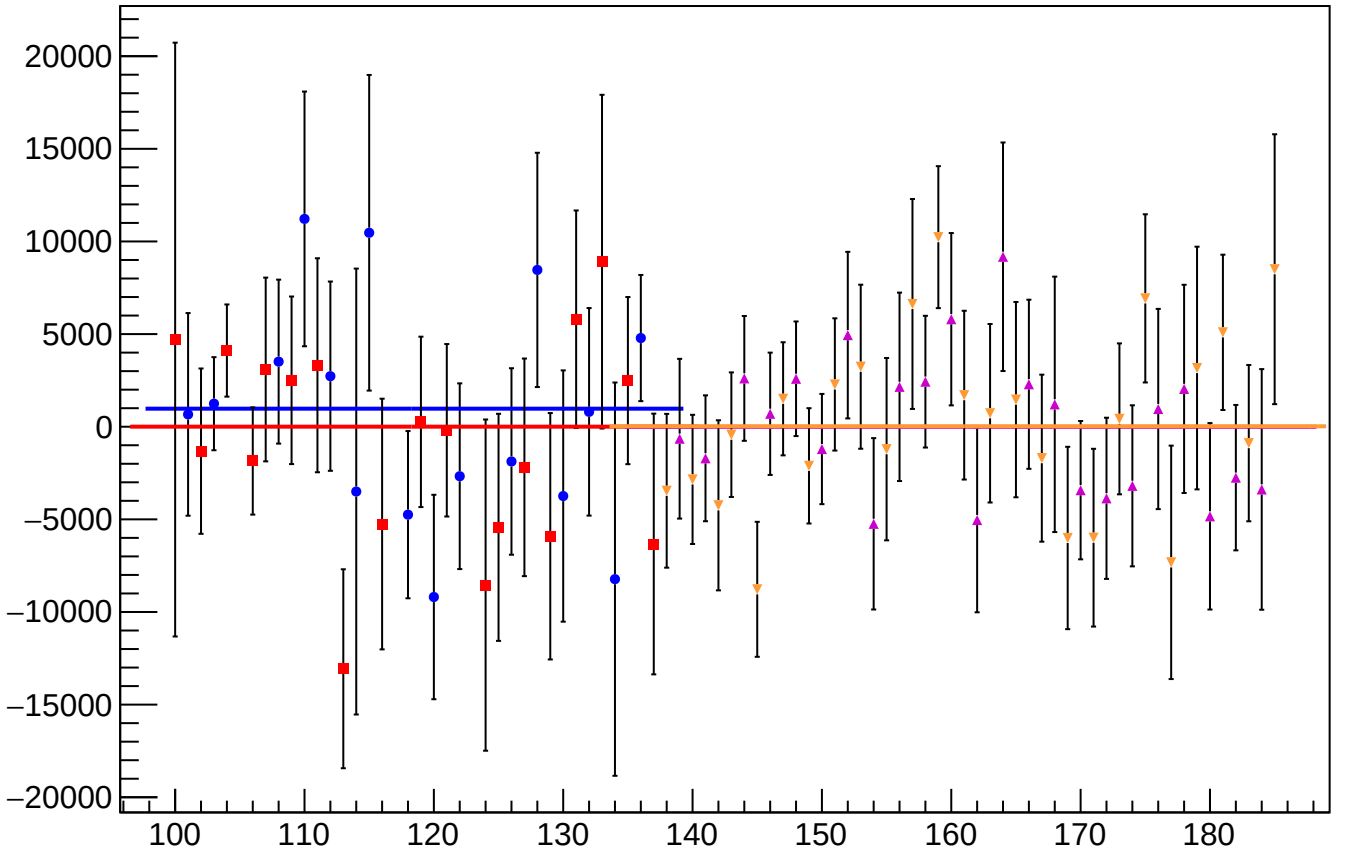
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1108.671+/-0.153 χ^2/NDF: 942982.6/40

All: 1100.814+/-0.109 χ^2/NDF: 1683907.3/82

- 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: 23.368+/-850.404 χ^2/NDF:28.5/24

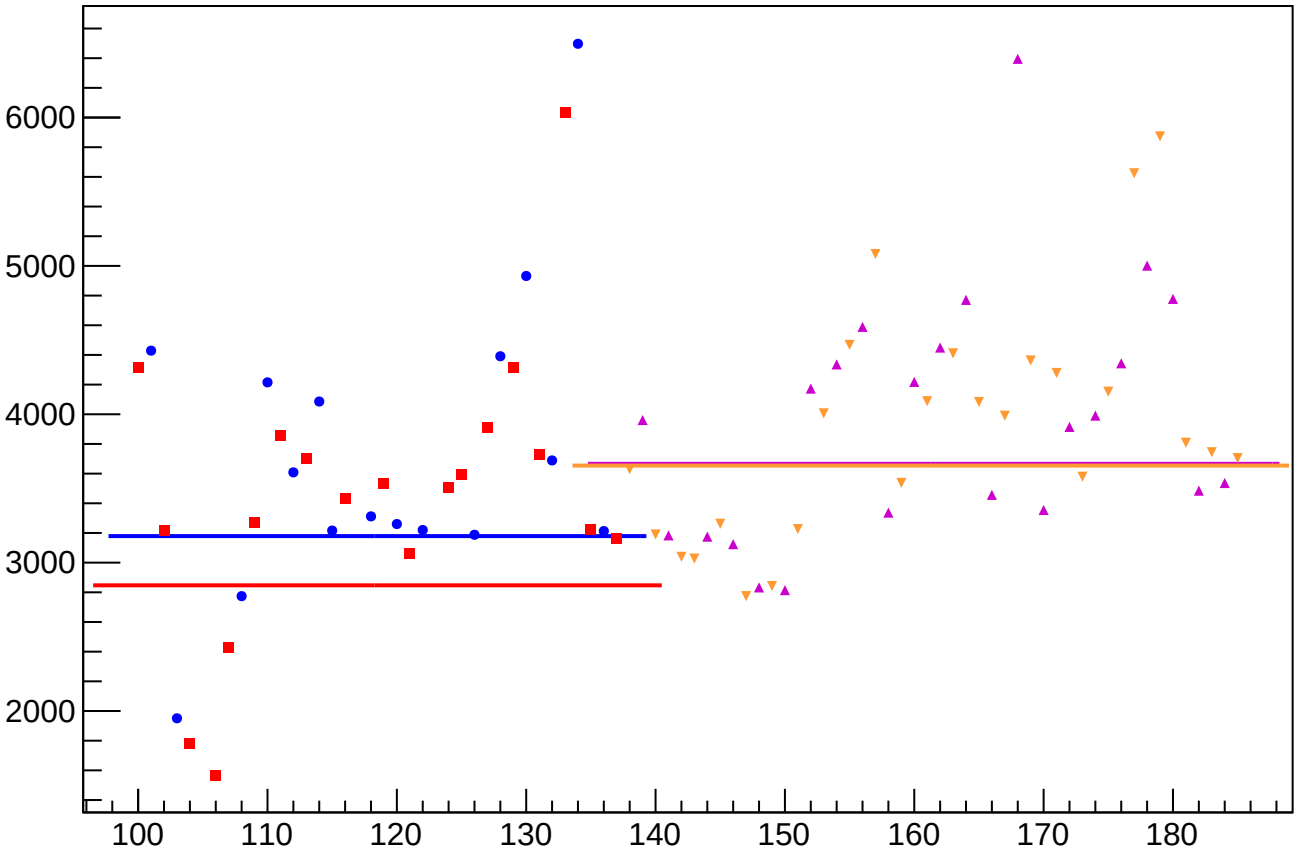
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 329.809+/-700.002 χ^2/NDF: 42.7/40

All: 160.679+/-490.756 χ^2/NDF: 73.4/82

- 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: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

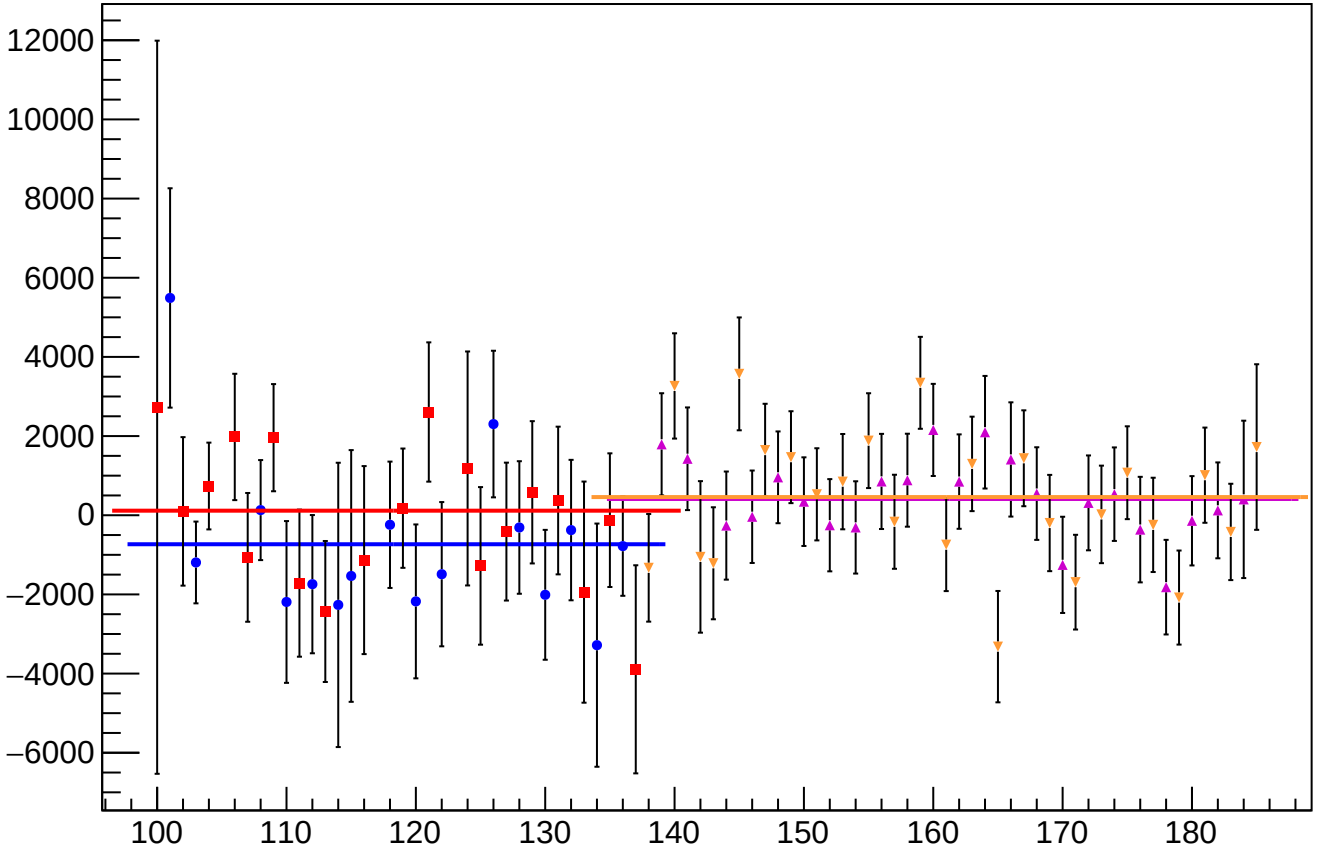
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3500.934+/-0.495 χ^2/NDF: 2604909.5/40

All: 3425.935+/-0.347 χ^2/NDF: 6173570.6/82

- 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: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

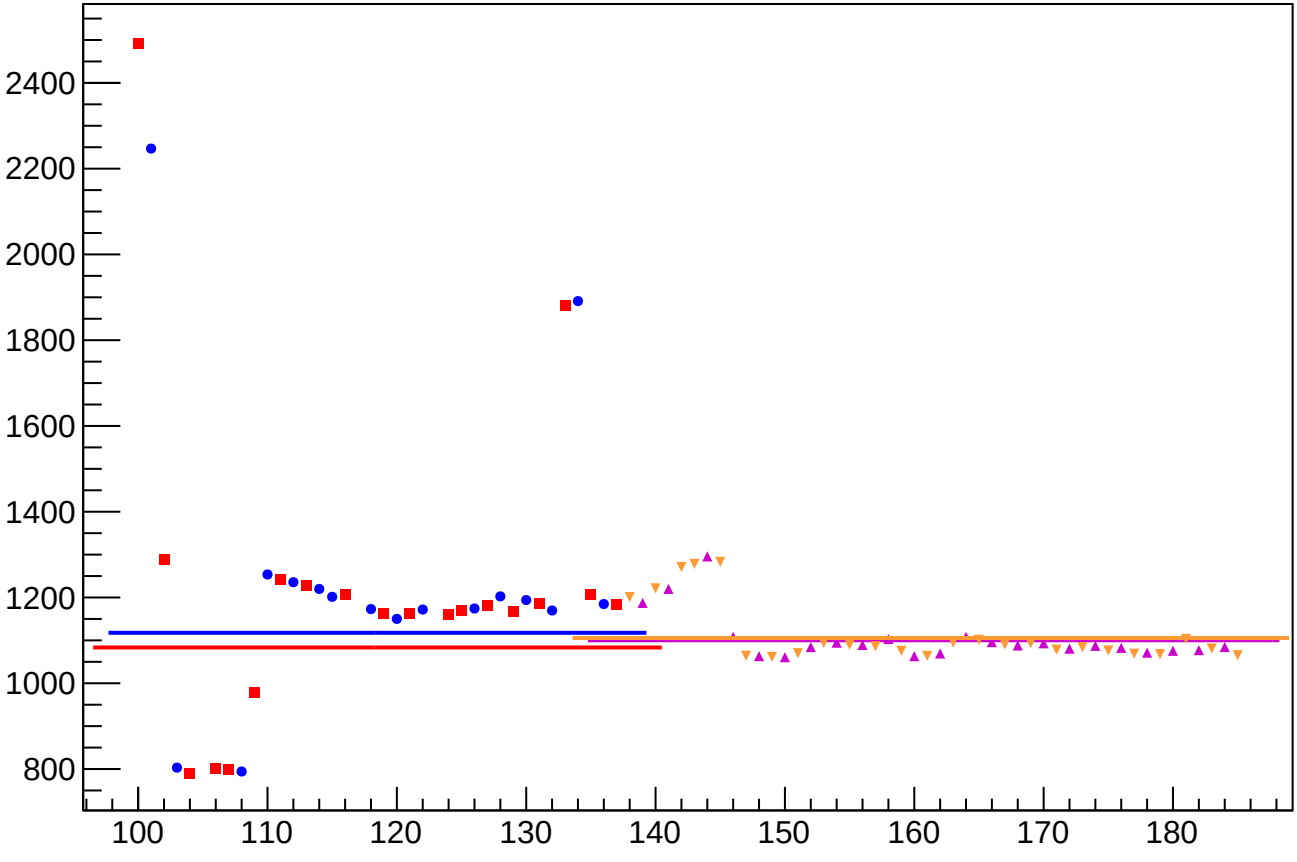
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 152.294+/-216.779 χ^2/NDF: 59.6/40

All: 239.633+/-153.749 χ^2/NDF: 87.1/82

- 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: 1105.549+/-0.178 χ^2/NDF:121950.0/24

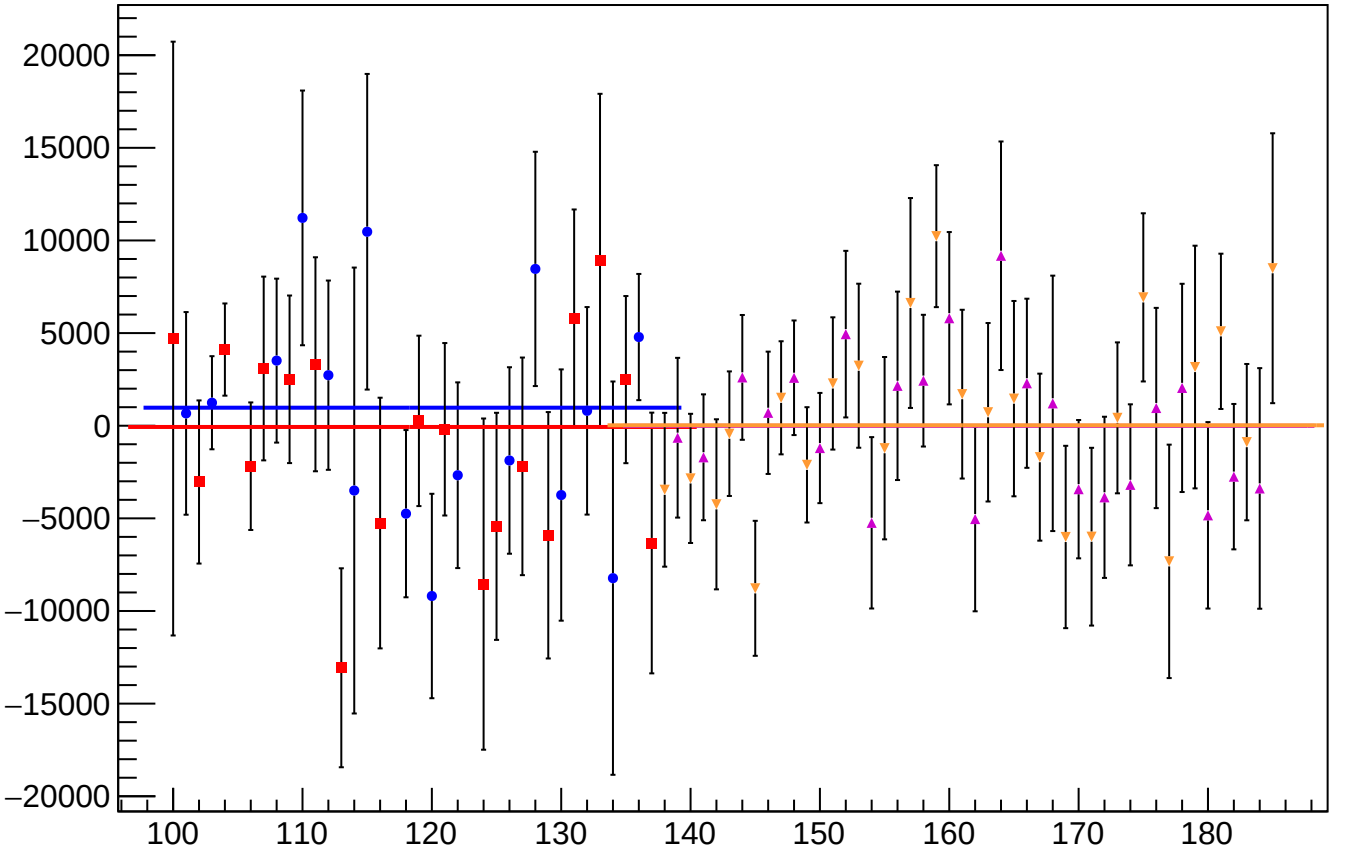
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1108.671+/-0.153 χ^2/NDF: 942979.3/40

All: 1102.162+/-0.109 χ^2/NDF: 1624304.4/82

- 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: 23.365+/-850.403 χ^2/NDF:28.5/24

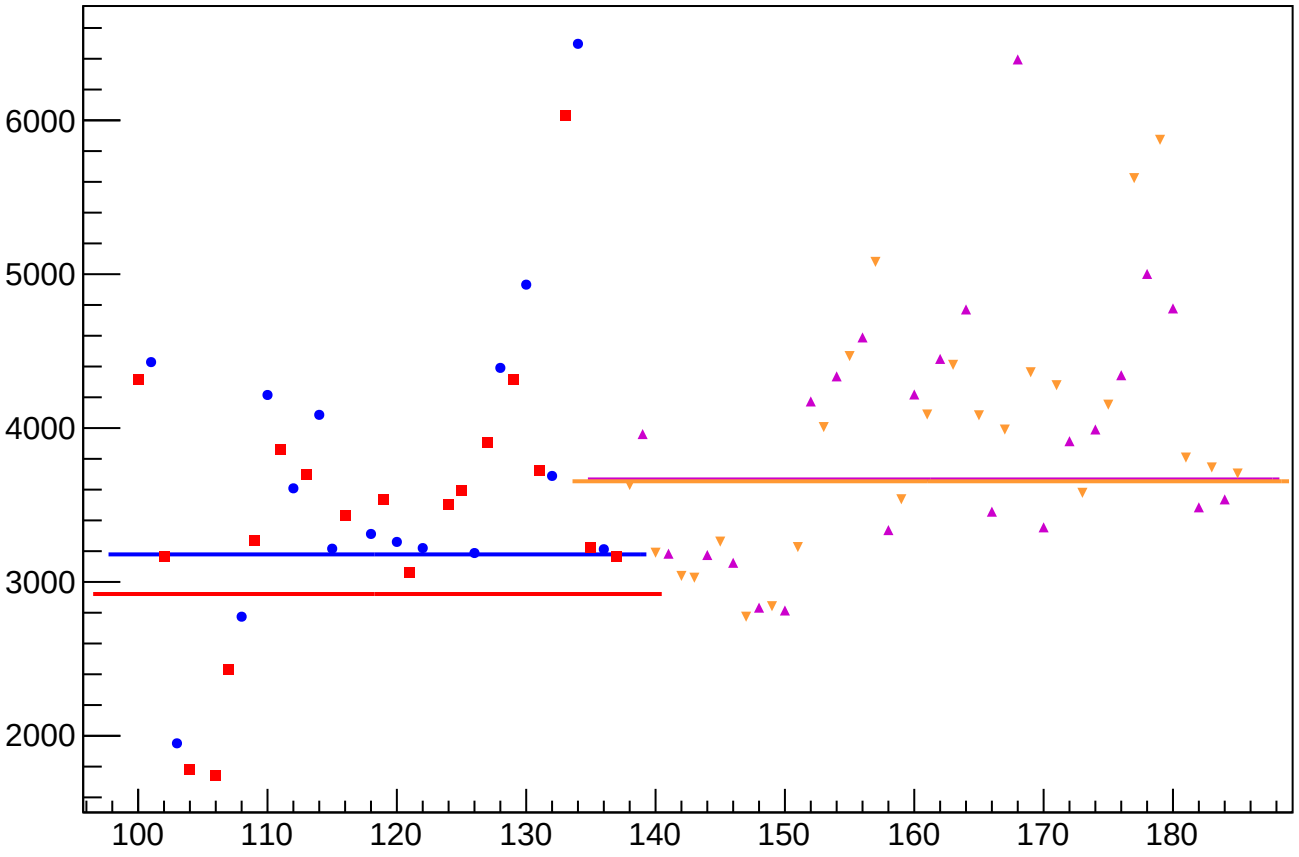
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 329.629+/-700.011 χ^2/NDF: 42.7/40

All: 148.733+/-492.758 χ^2/NDF: 73.8/82

- 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: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

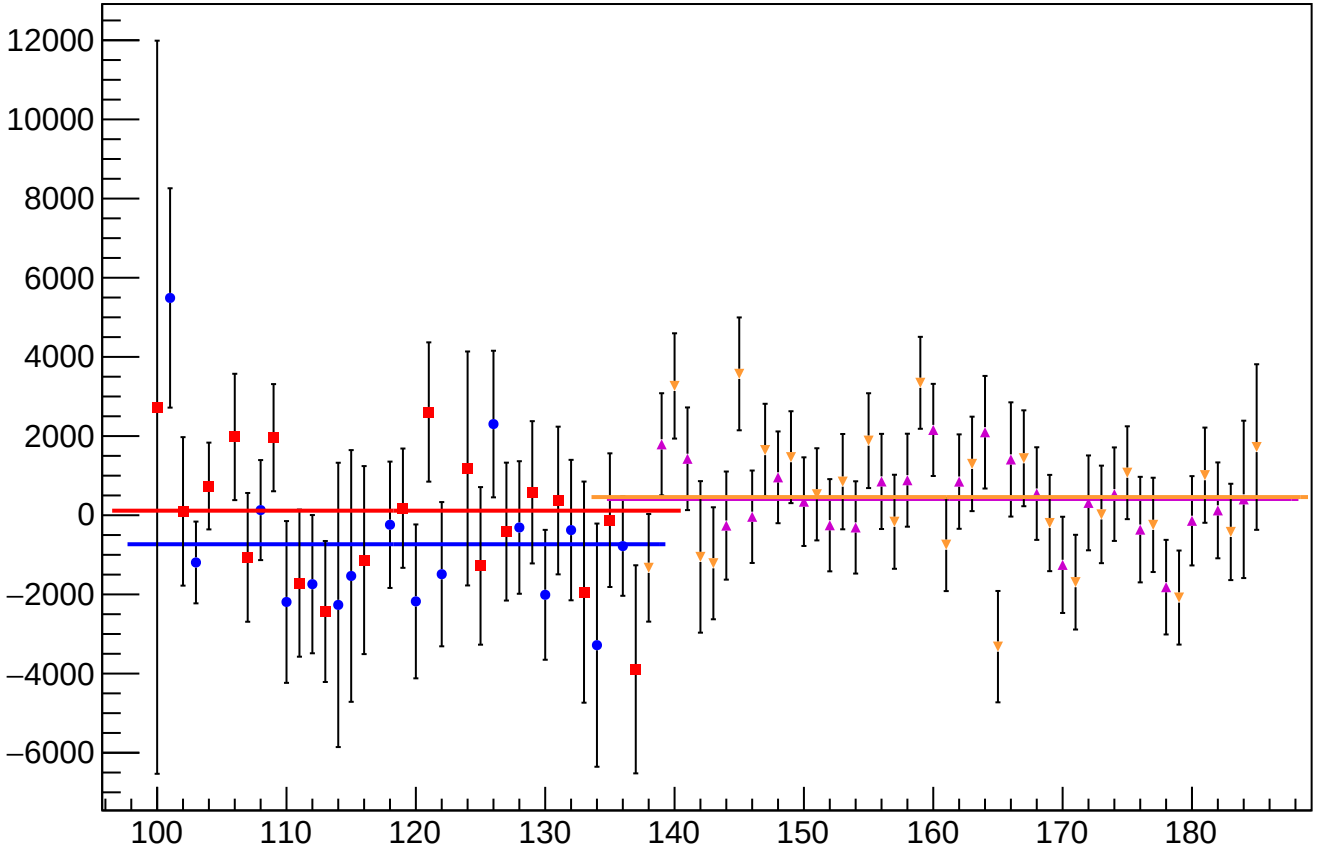
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3501.000+/-0.495 χ^2/NDF: 2604307.8/40

All: 3444.688+/-0.348 χ^2/NDF: 5824435.3/82

- 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: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

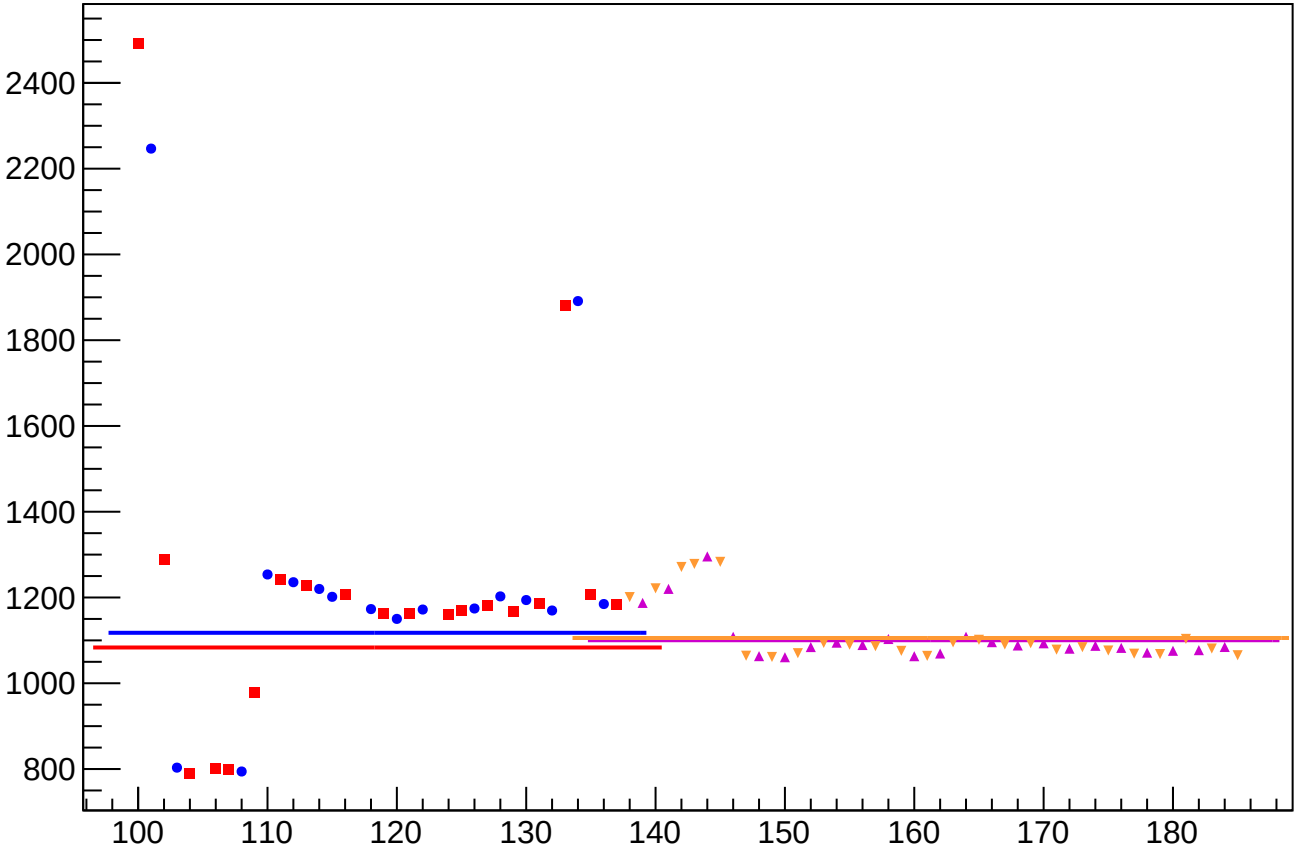
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 152.294+/-216.779 χ^2/NDF: 59.6/40

All: 239.633+/-153.749 χ^2/NDF: 87.1/82

- 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: 1105.549+/-0.178 χ^2/NDF:121950.0/24

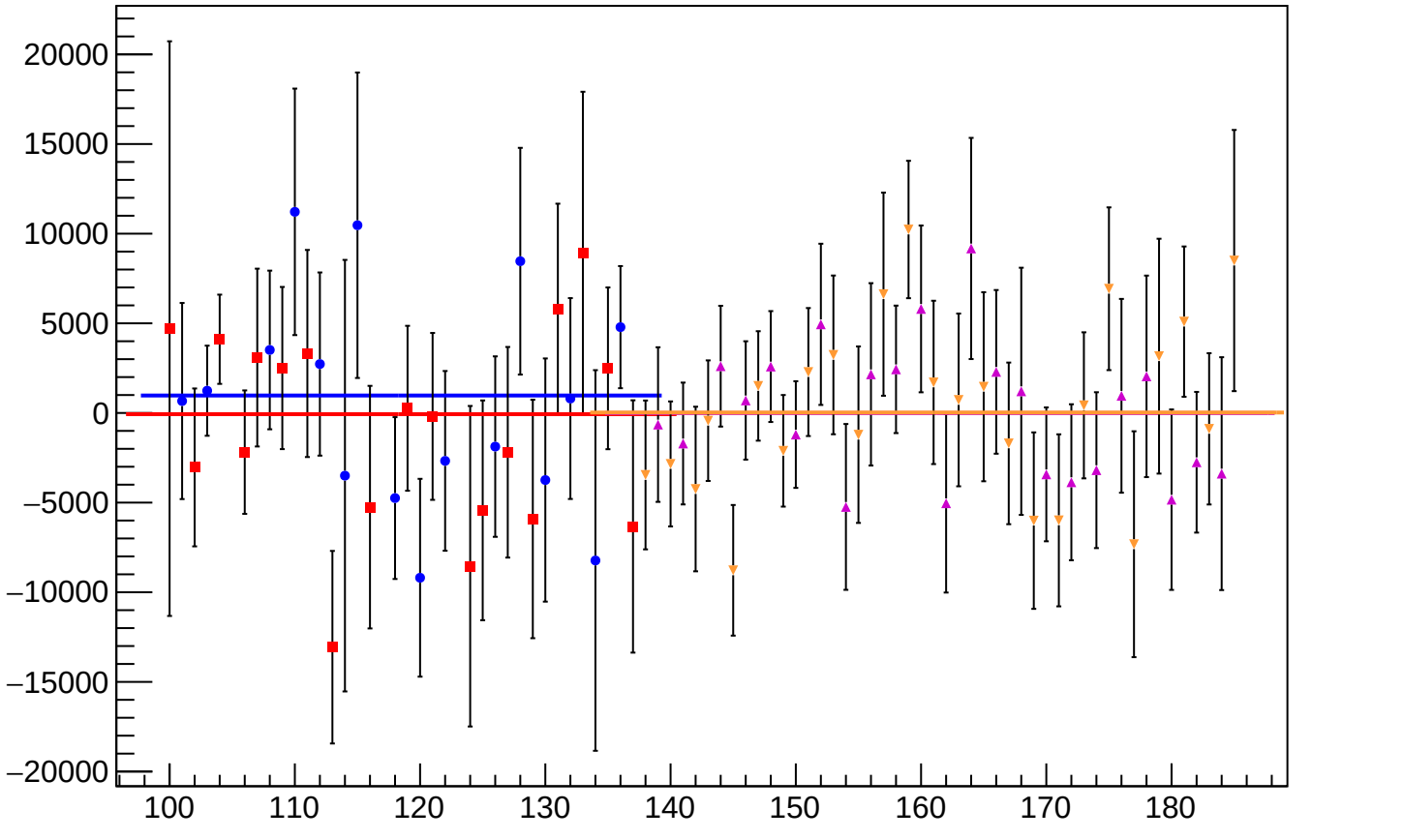
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1108.671+/-0.153 χ^2/NDF: 942979.3/40

All: 1102.162+/-0.109 χ^2/NDF: 1624304.4/82

- 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: 23.365+/-850.403 χ^2/NDF:28.5/24

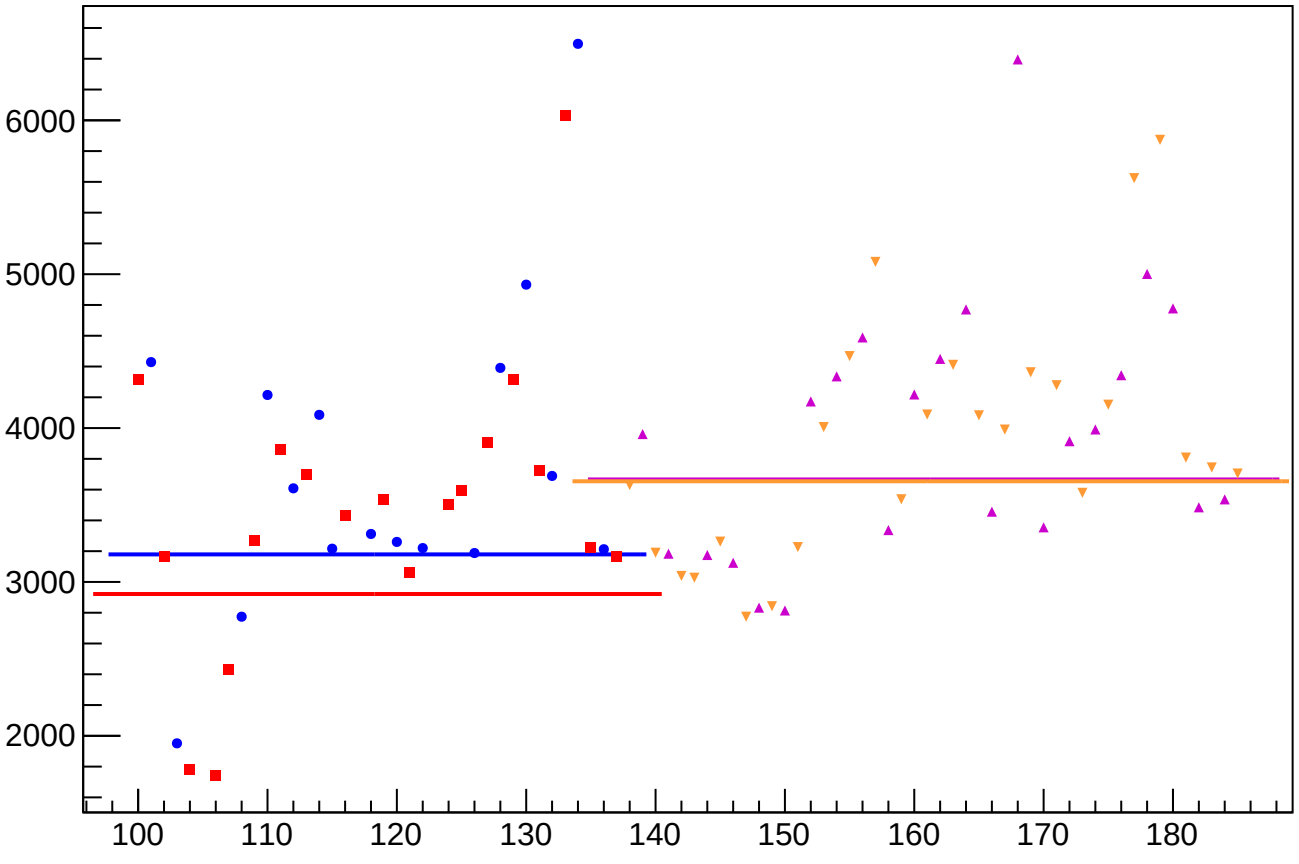
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 329.629+/-700.011 χ^2/NDF: 42.7/40

All: 148.733+/-492.758 χ^2/NDF: 73.8/82

- 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: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

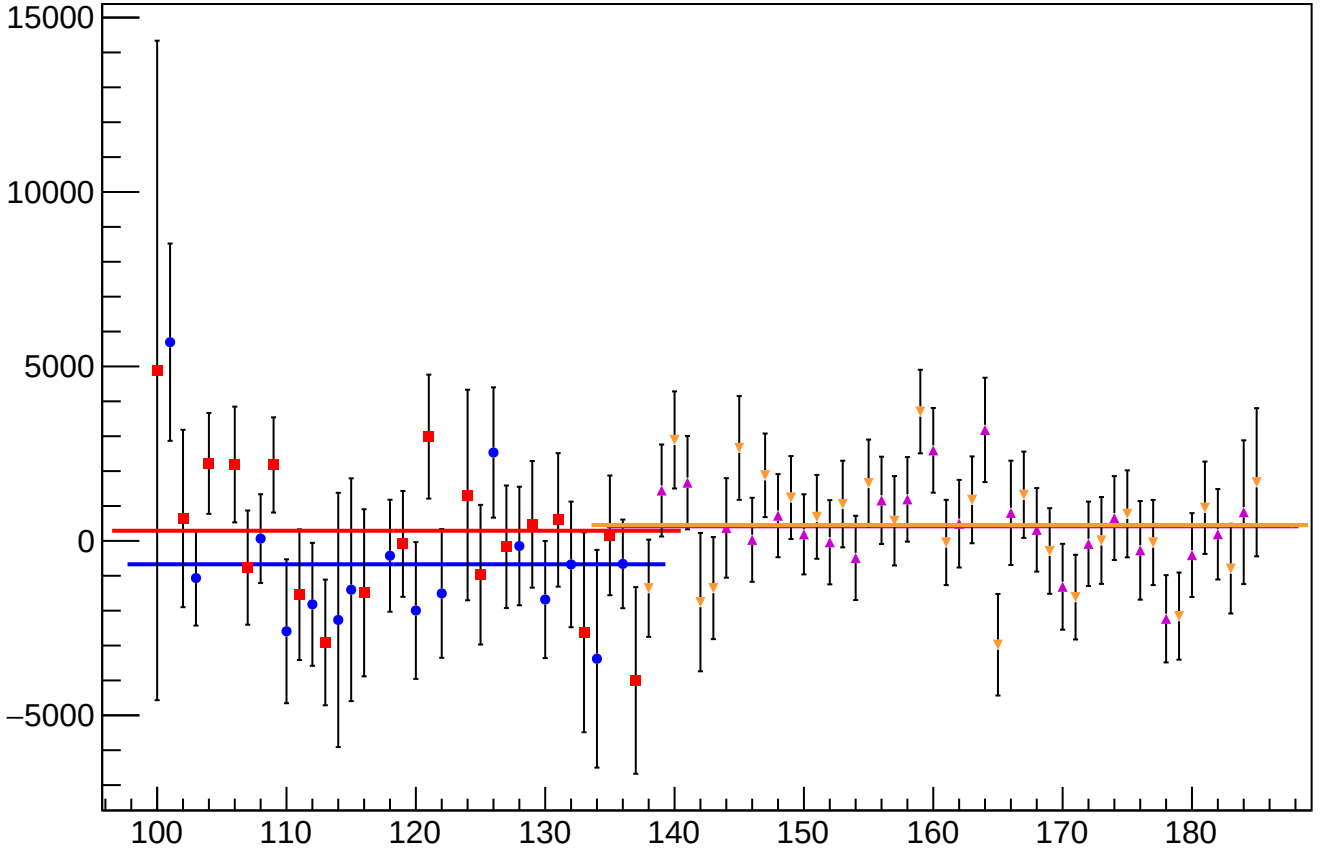
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3501.000+/-0.495 χ^2/NDF: 2604307.8/40

All: 3444.688+/-0.348 χ^2/NDF: 5824435.3/82

- 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: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

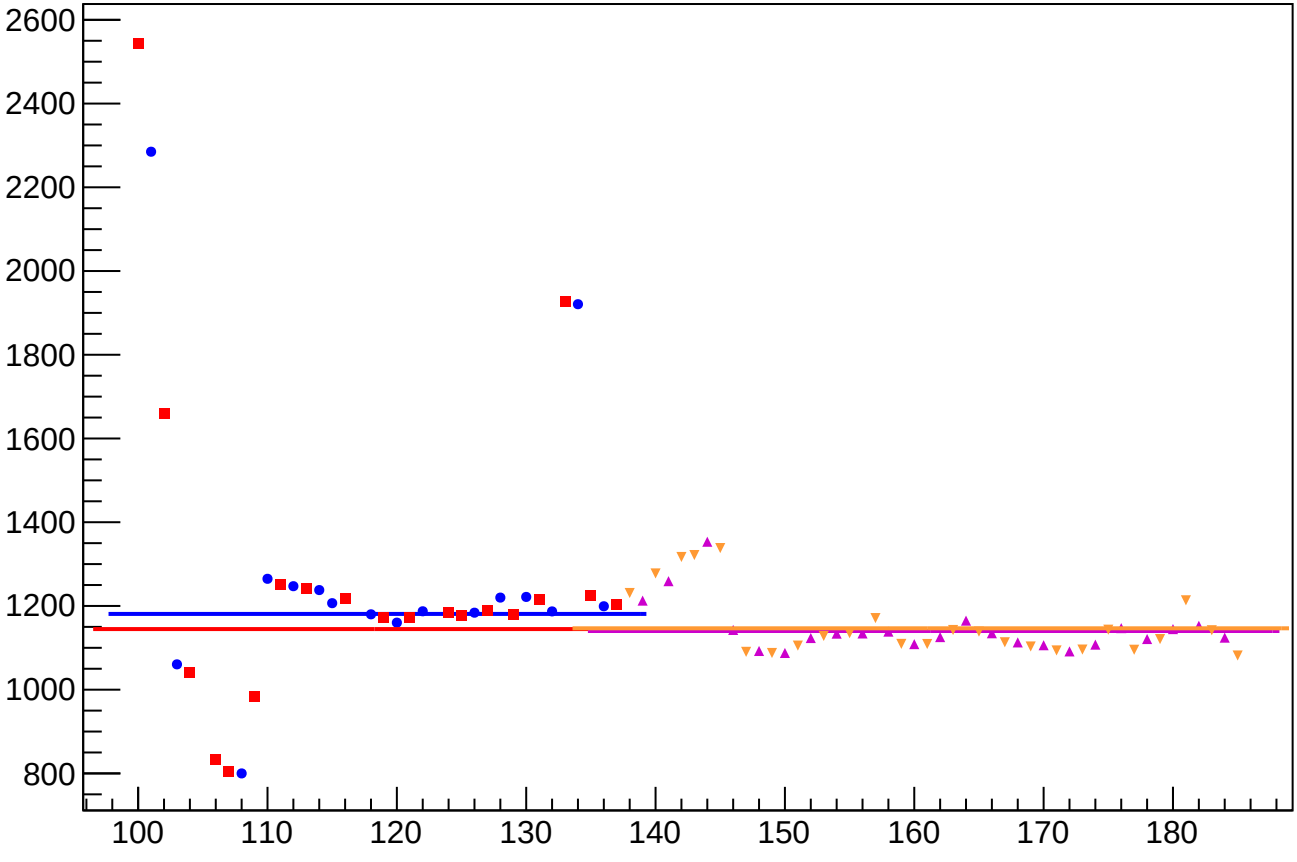
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

\+ sign 170.711+/-225.587 χ^2/NDF: 52.7/40

All: 275.840+/-160.086 χ^2/NDF: 87.5/82

\- 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: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

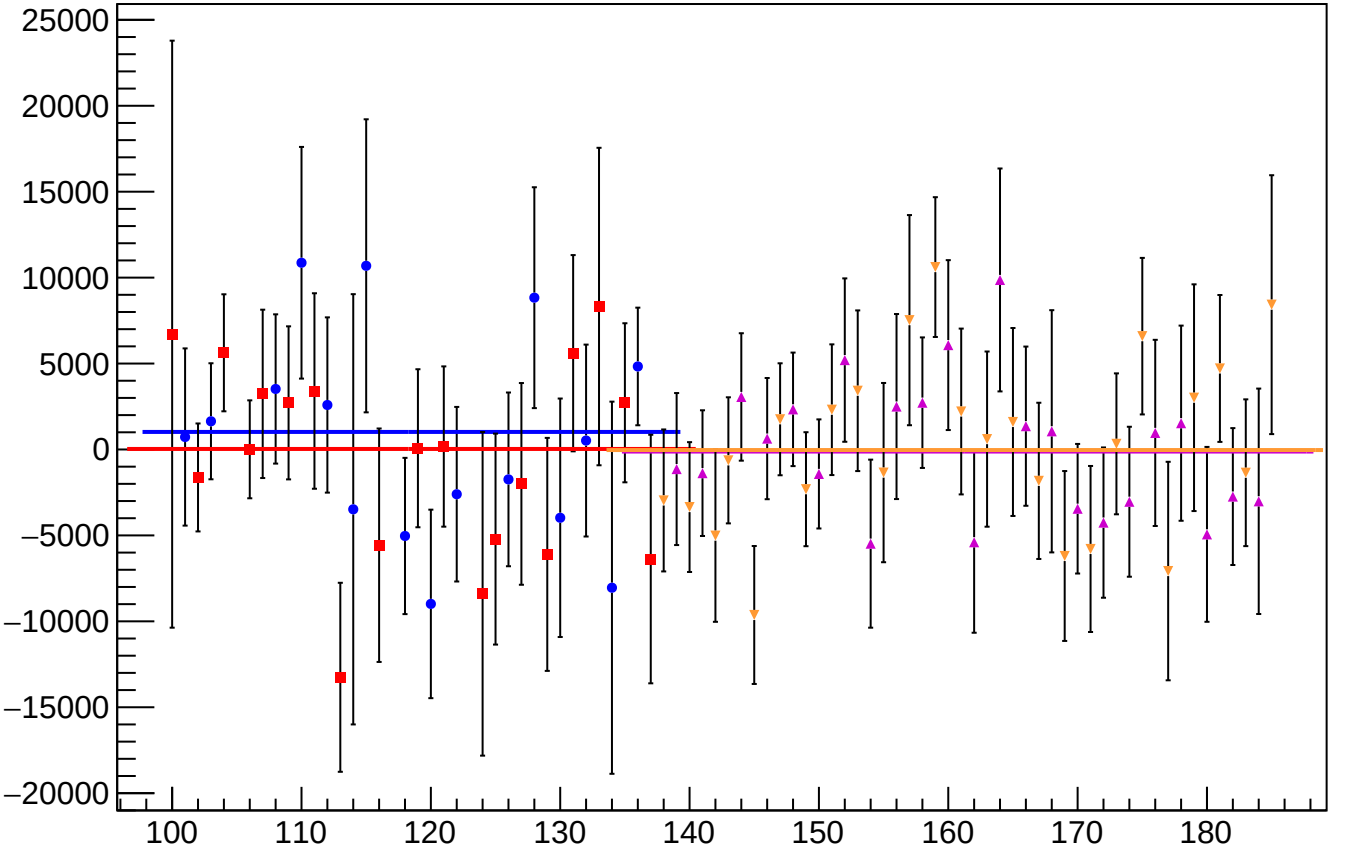
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1155.302+/-0.160 χ^2/NDF: 771653.9/40

All: 1148.415+/-0.113 χ^2/NDF: 1358040.4/82

- 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: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

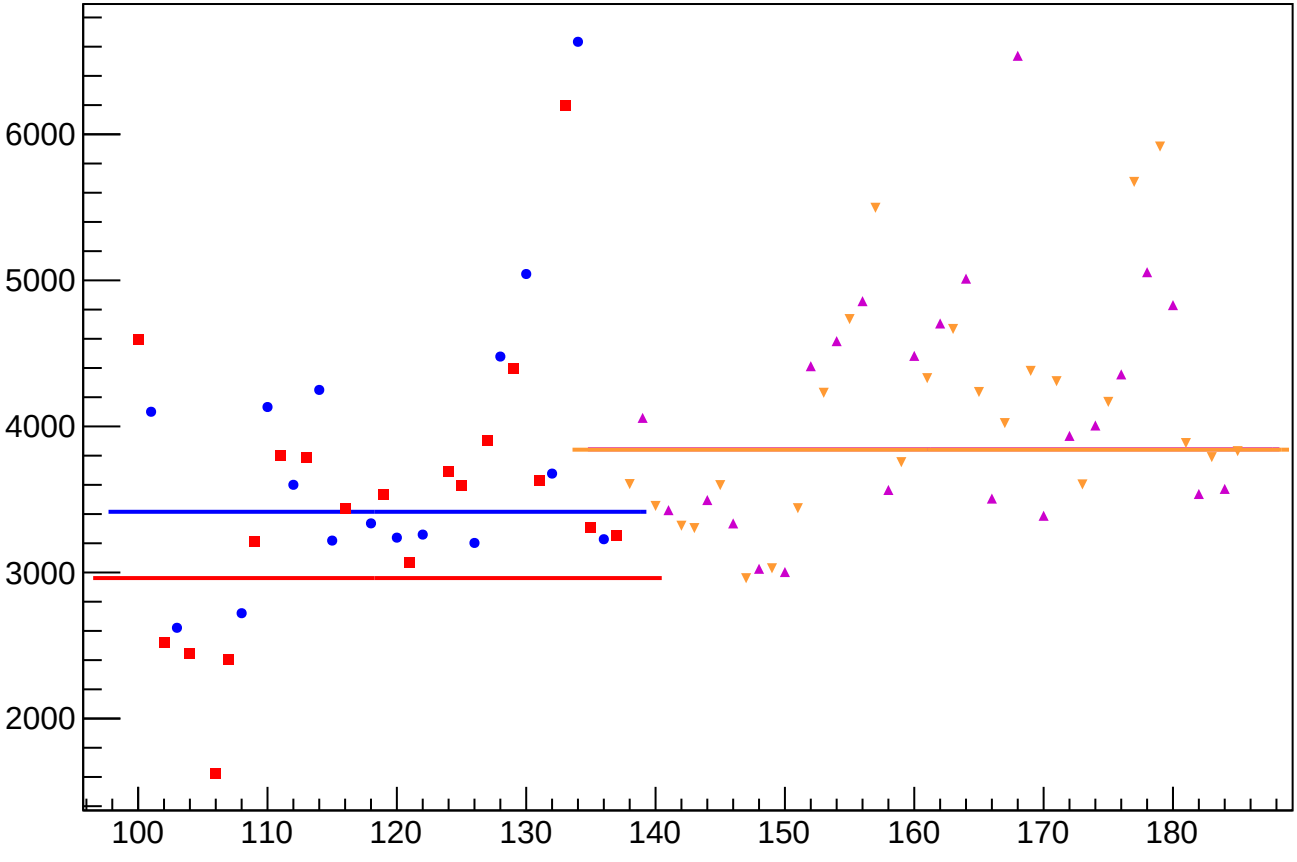
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 302.848+/-735.593 χ^2/NDF: 42.1/40

All: 114.812+/-511.459 χ^2/NDF: 72.1/82

- 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: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

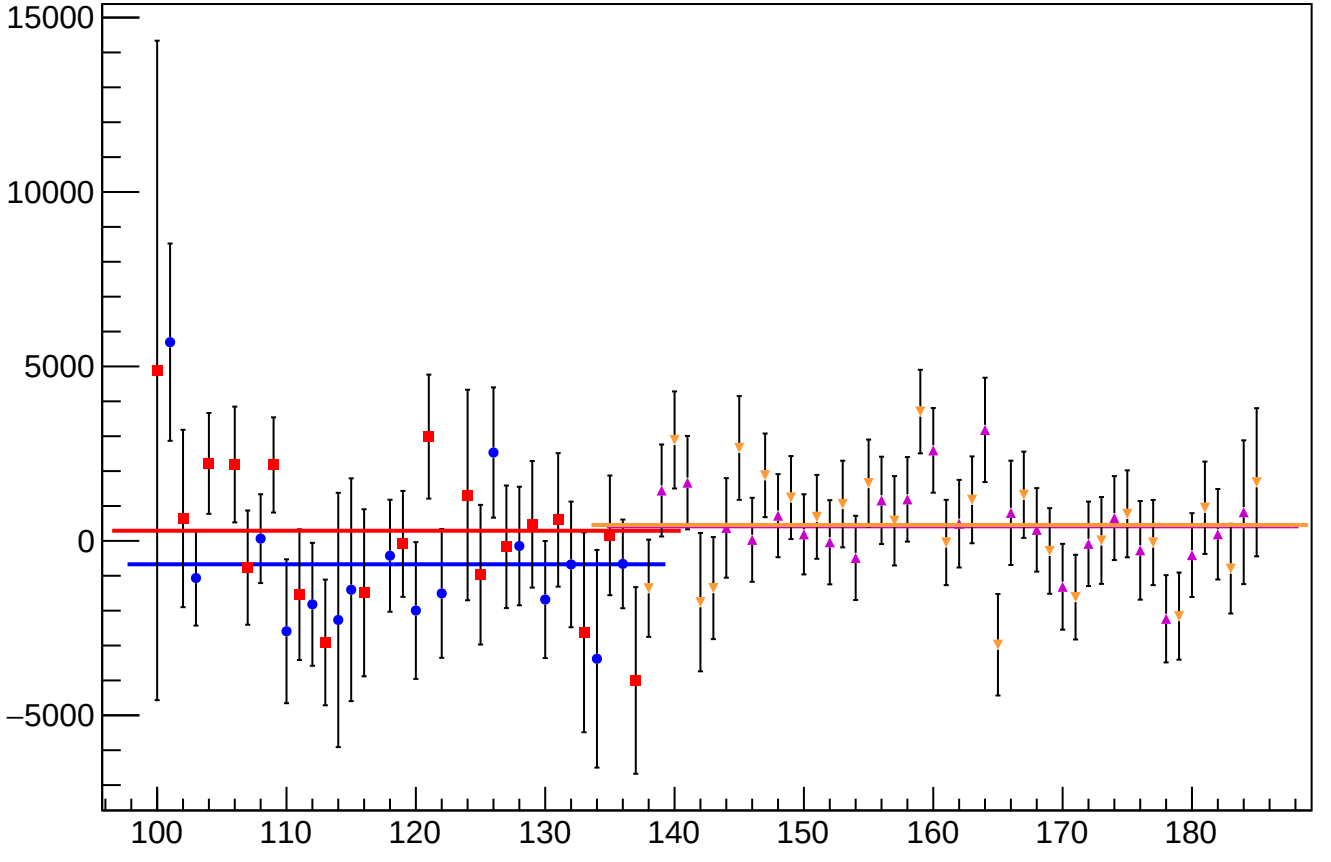
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

\+ sign 3705.188+/-0.520 χ^2/NDF: 1856201.1/40

All: 3596.189+/-0.362 χ^2/NDF: 5040637.2/82

\- 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: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

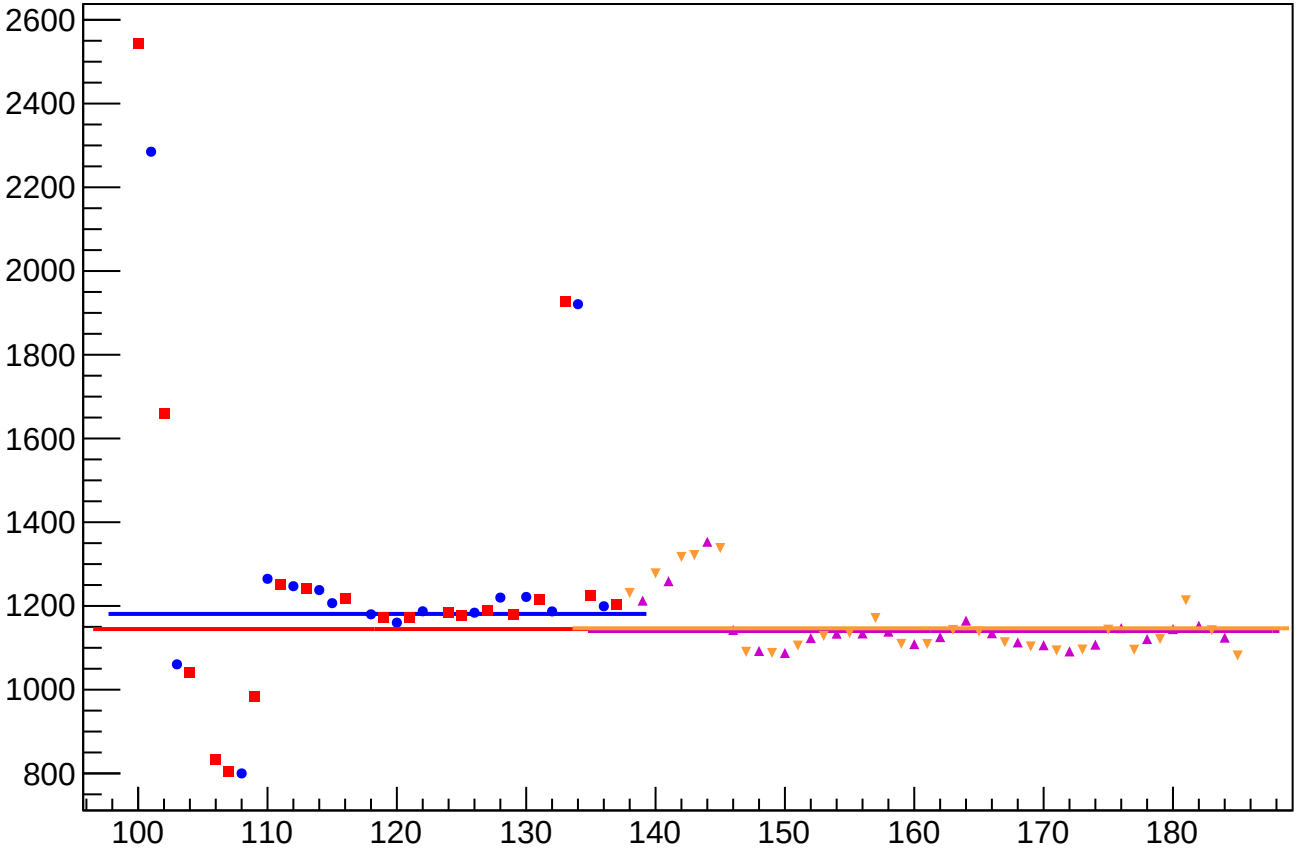
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 170.713+/-225.587 χ^2/NDF: 52.7/40

All: 275.842+/-160.086 χ^2/NDF: 87.5/82

- 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: 1146.614+/-0.185 χ^2/NDF:141015.8/24

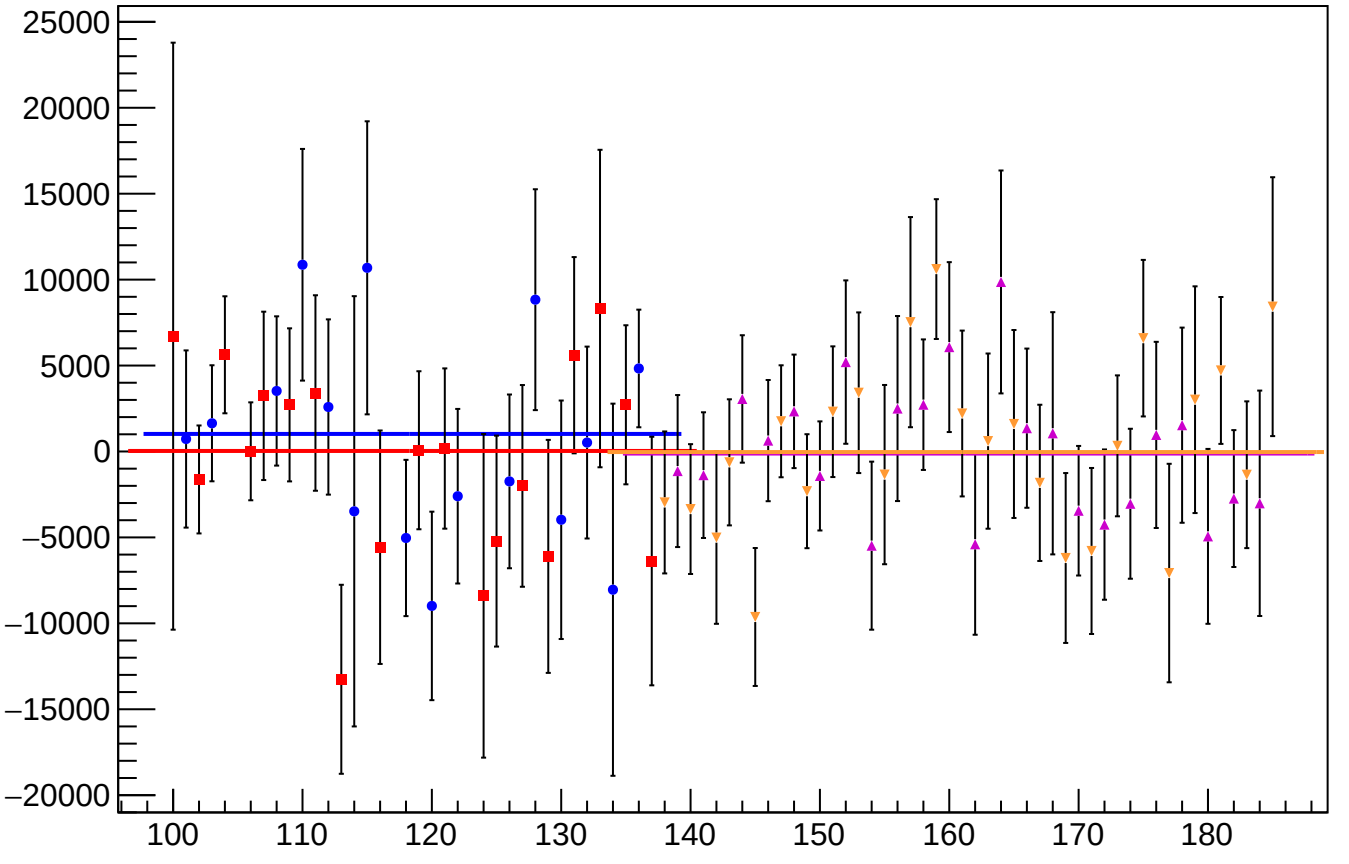
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1155.302+/-0.160 χ^2/NDF: 771653.8/40

All: 1148.415+/-0.113 χ^2/NDF: 1358039.5/82

- 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: -33.548+/-891.372 χ^2/NDF:27.8/24

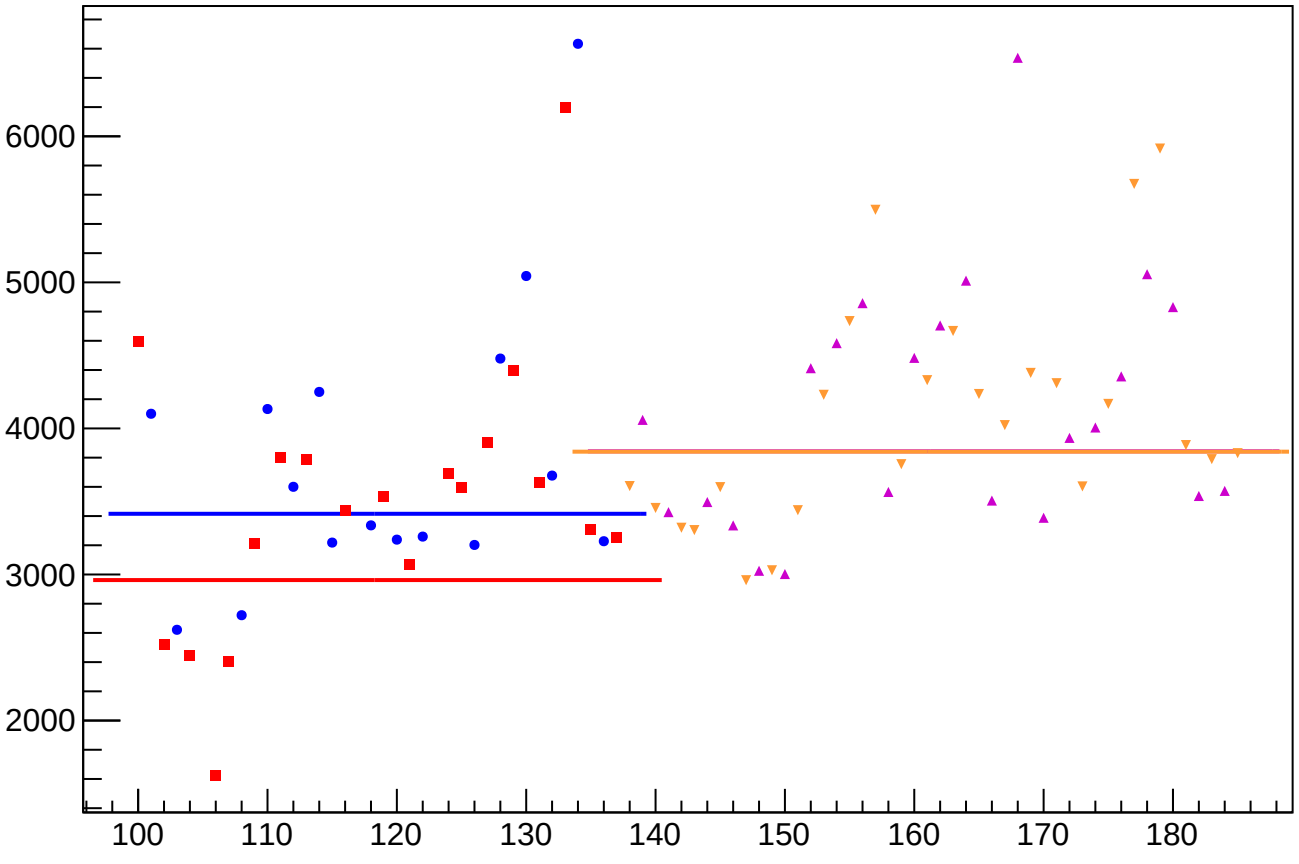
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 302.844+/-735.594 χ^2/NDF: 42.1/40

All: 114.811+/-511.459 χ^2/NDF: 72.1/82

- 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: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

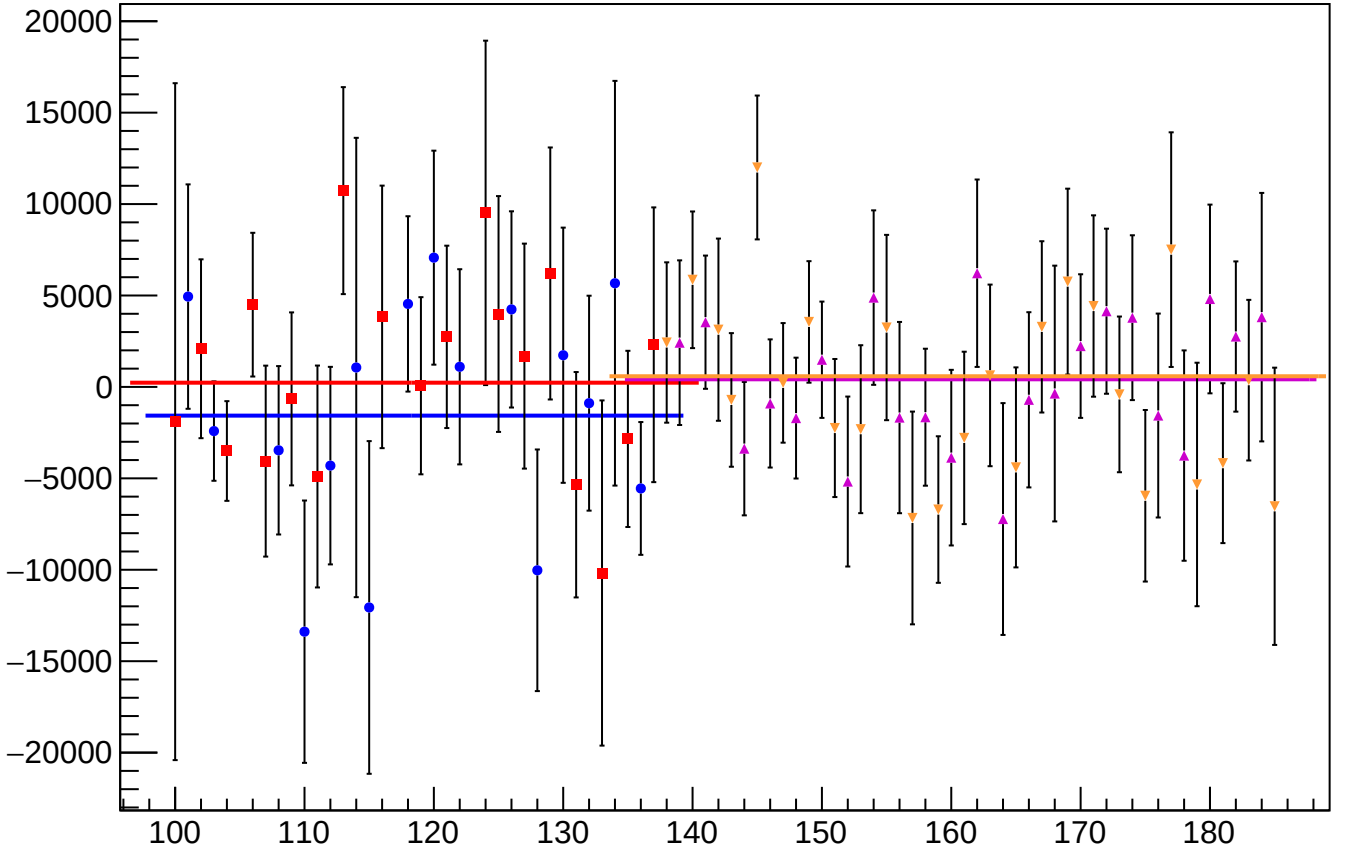
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3705.190+/-0.520 χ^2/NDF: 1856204.0/40

All: 3596.190+/-0.362 χ^2/NDF: 5040662.5/82

- 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: 583.278+/-894.900 χ^2/NDF:27.4/24

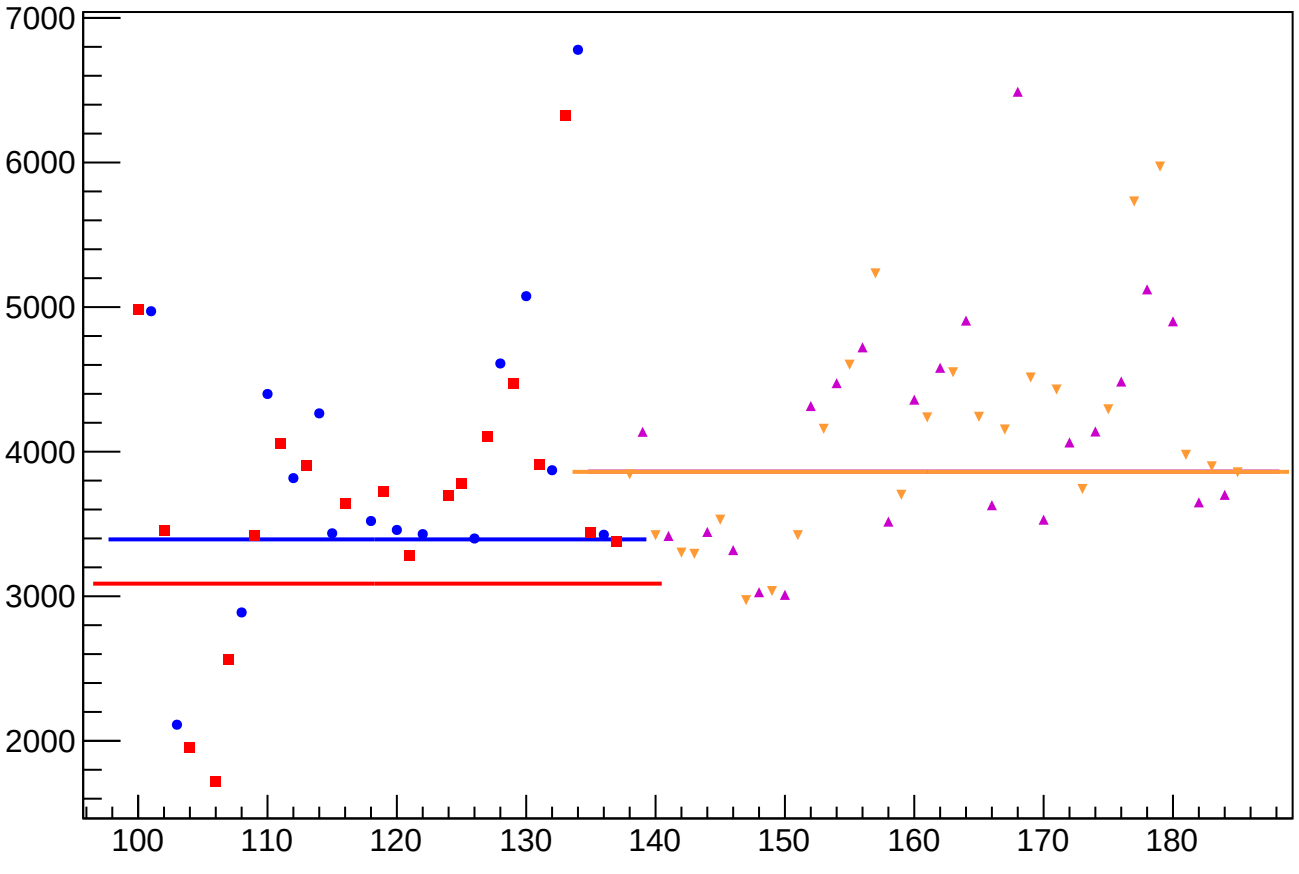
Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign -99.704+/-739.465 χ^2/NDF: 43.7/40

All: 126.458+/-521.289 χ^2/NDF: 69.6/82

- sign 349.888+/-734.984 χ^2/NDF: 25.7/41



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

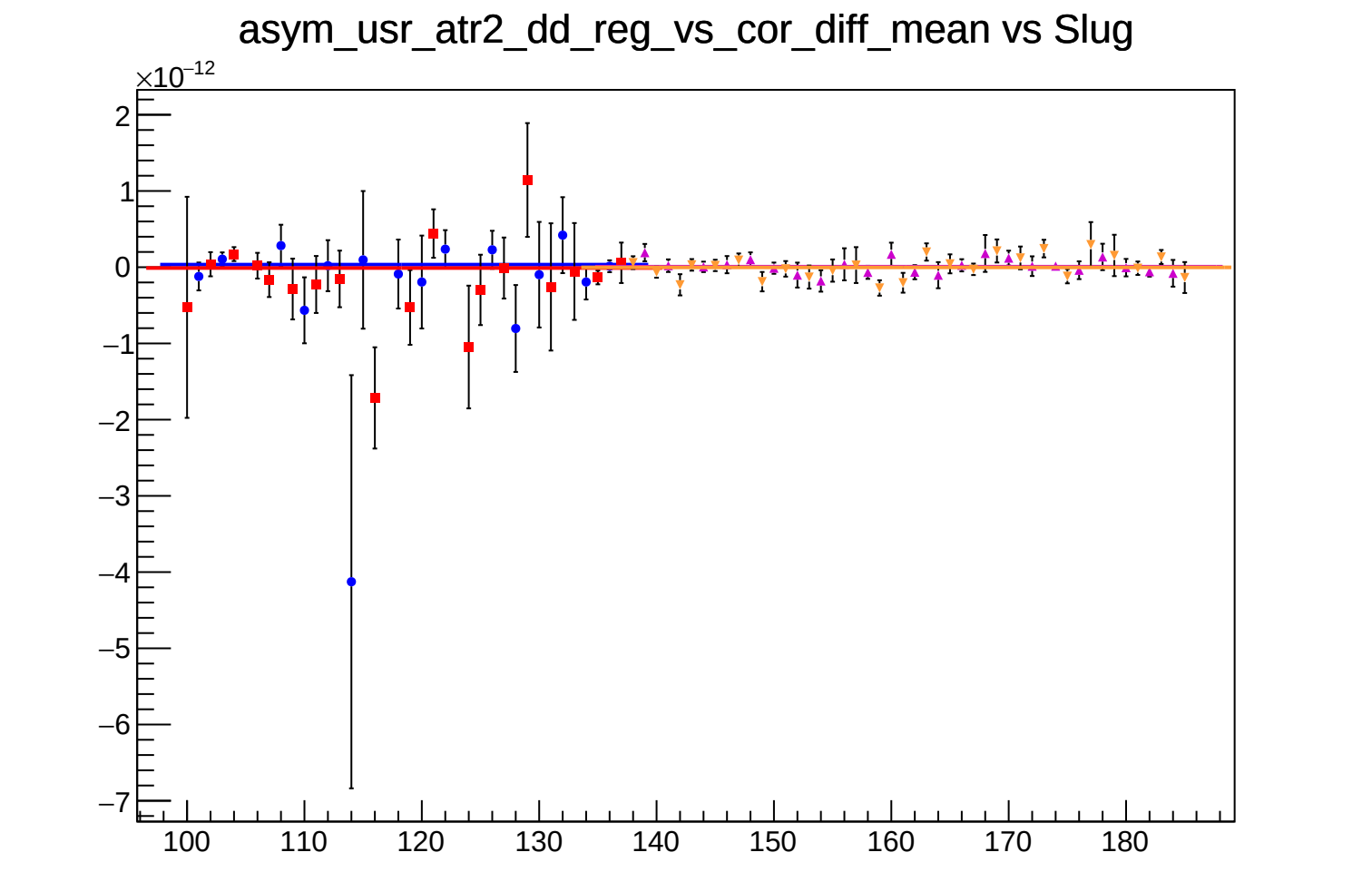
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3712.344+/-0.523 χ^2/NDF: 2318894.6/40

All: 3643.827+/-0.367 χ^2/NDF: 5347110.2/82

- sign 3576.966+/-0.517 χ^2/NDF: 2994288.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

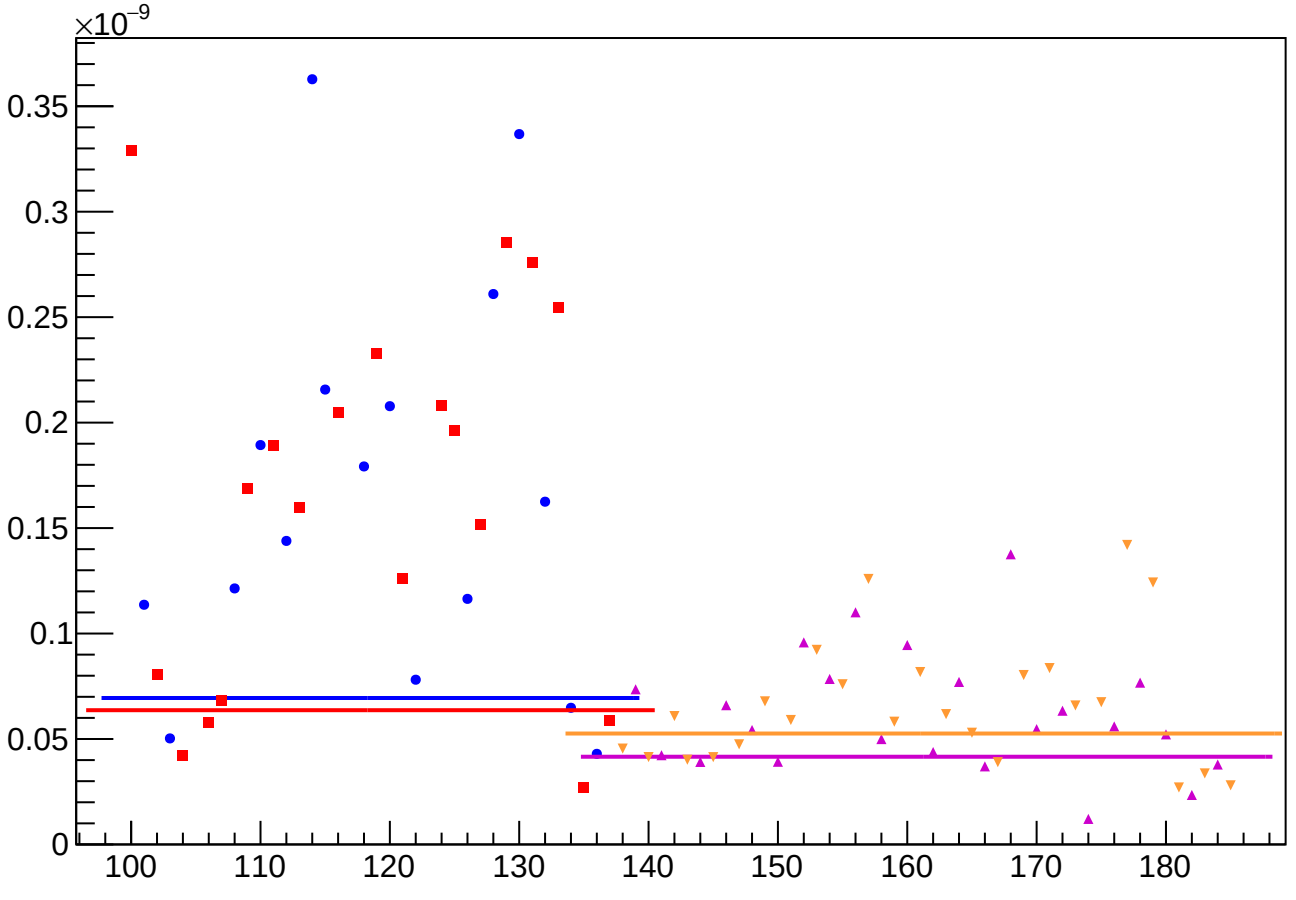
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/40

All: 0.000+/-0.000 χ^2/NDF: 81.3/82

- 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:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

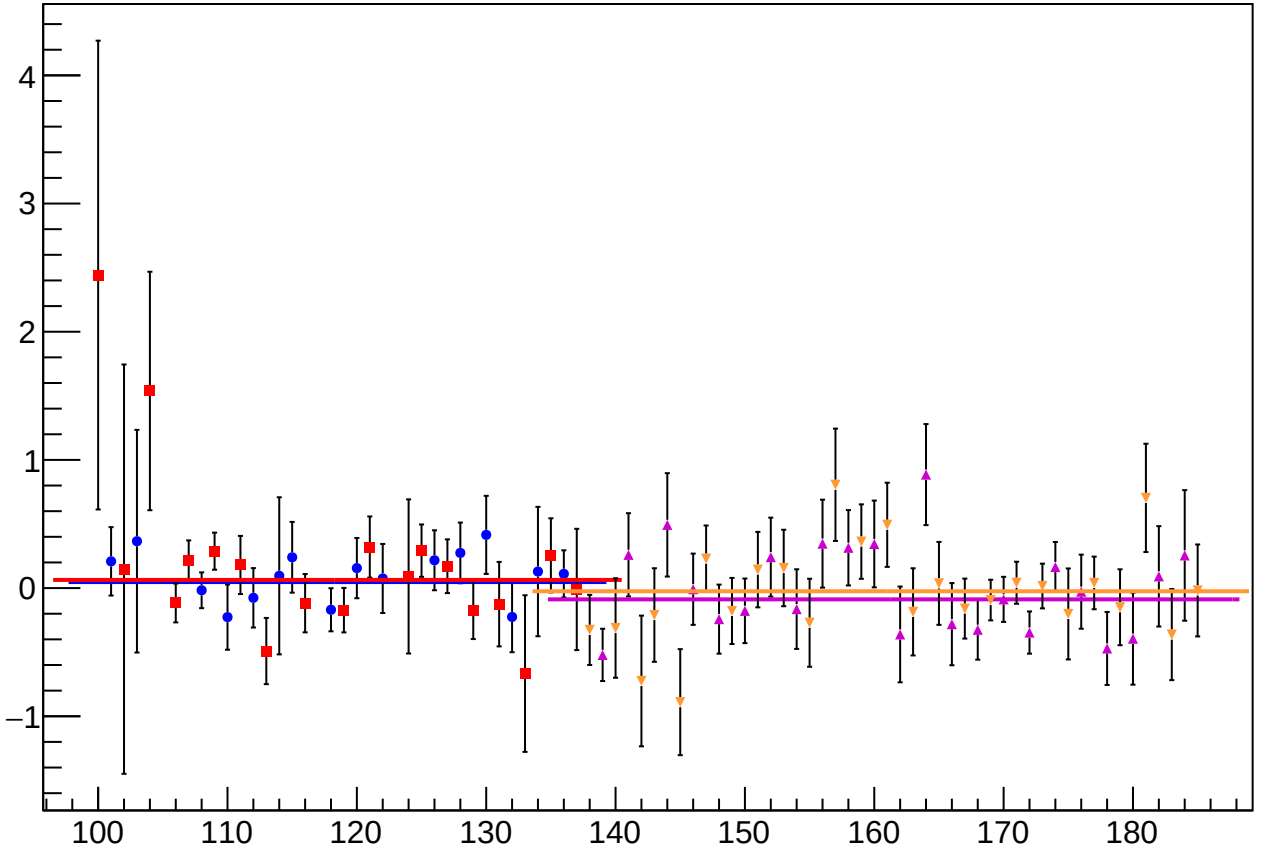
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3539940.3/40

All: 0.000+/-0.000 χ^2/NDF: 9398001.5/82

- 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:24.1/24

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

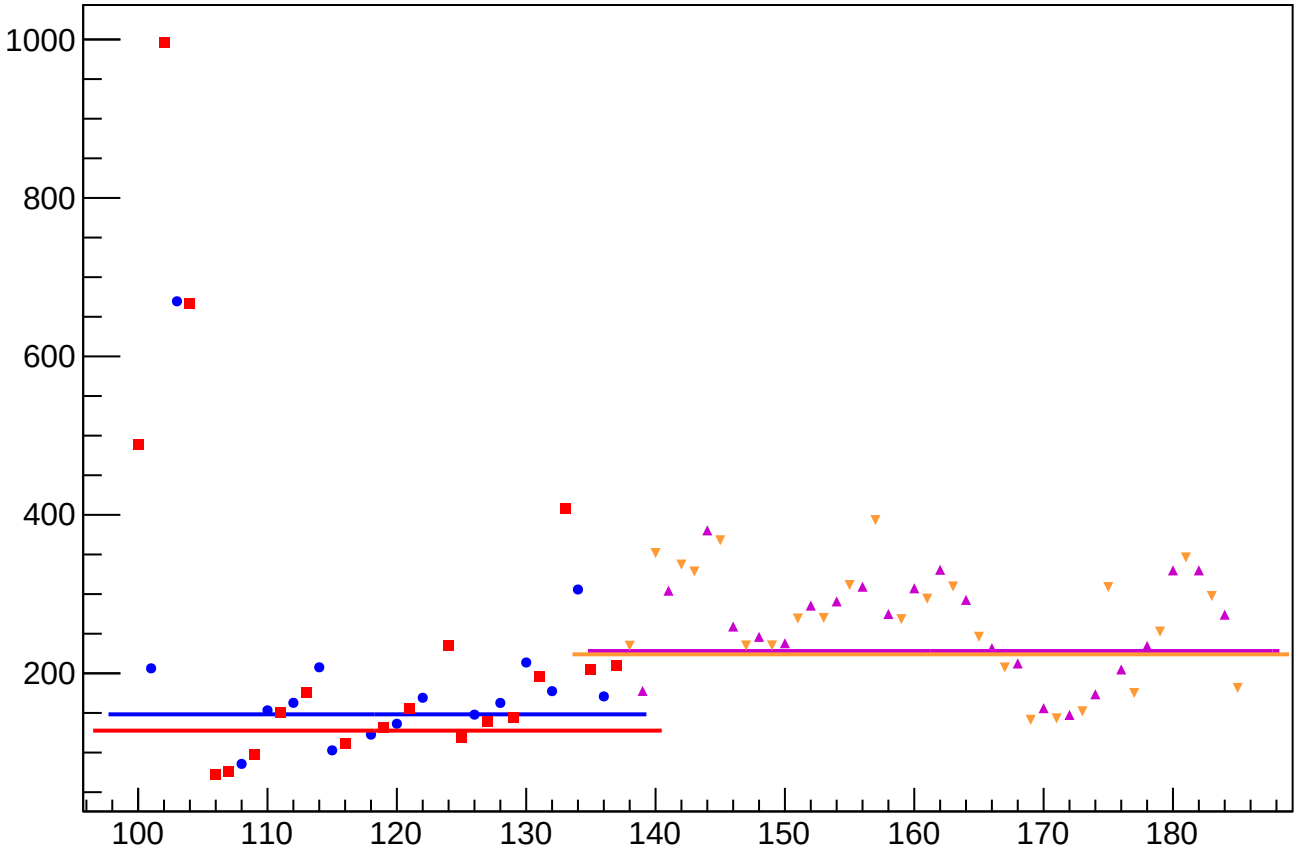
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.040 χ^2/NDF: 33.4/40

All: -0.001+/-0.028 χ^2/NDF: 89.5/82

- 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: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

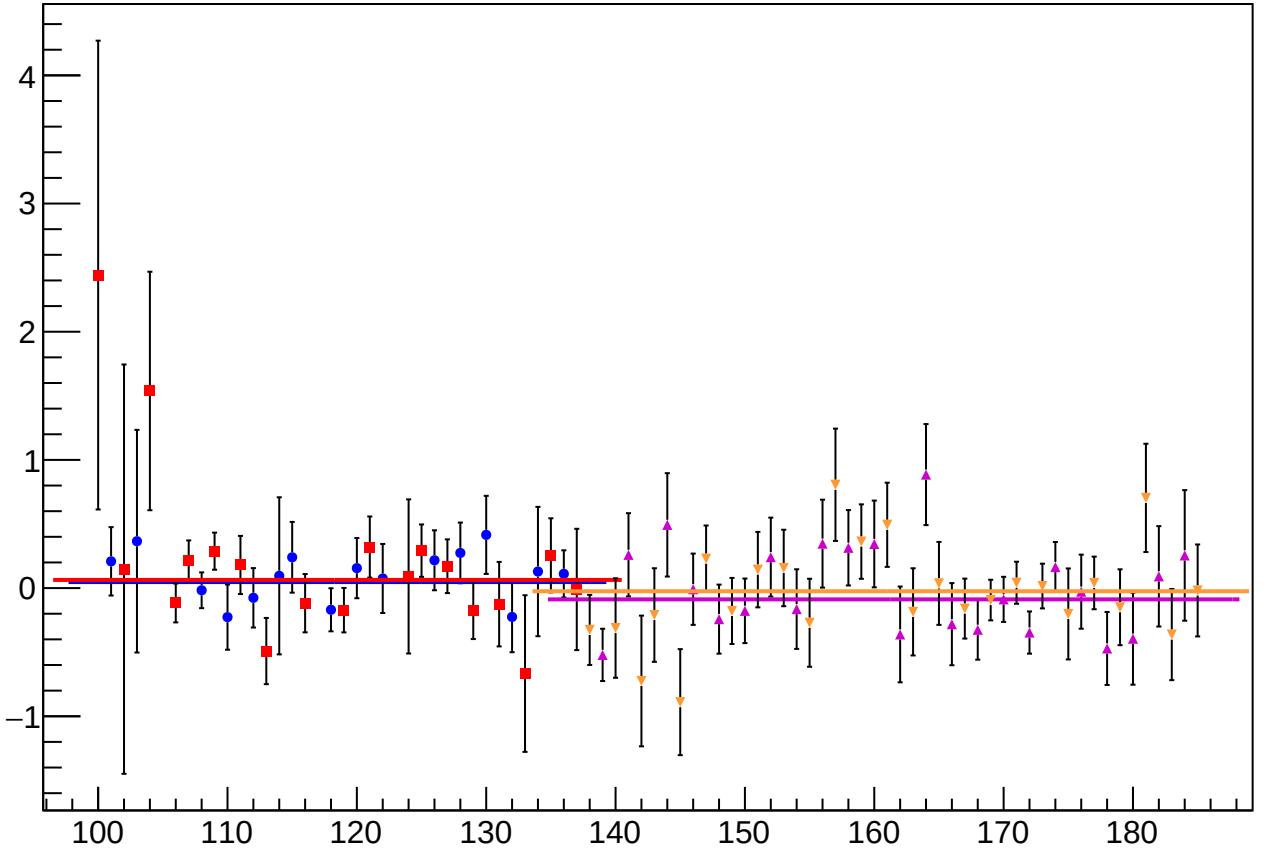
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.670+/-0.029 χ^2/NDF: 6889267.9/40

All: 182.730+/-0.020 χ^2/NDF: 15594859.4/82

- sign 176.145+/-0.028 χ^2/NDF: 8590514.2/41

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

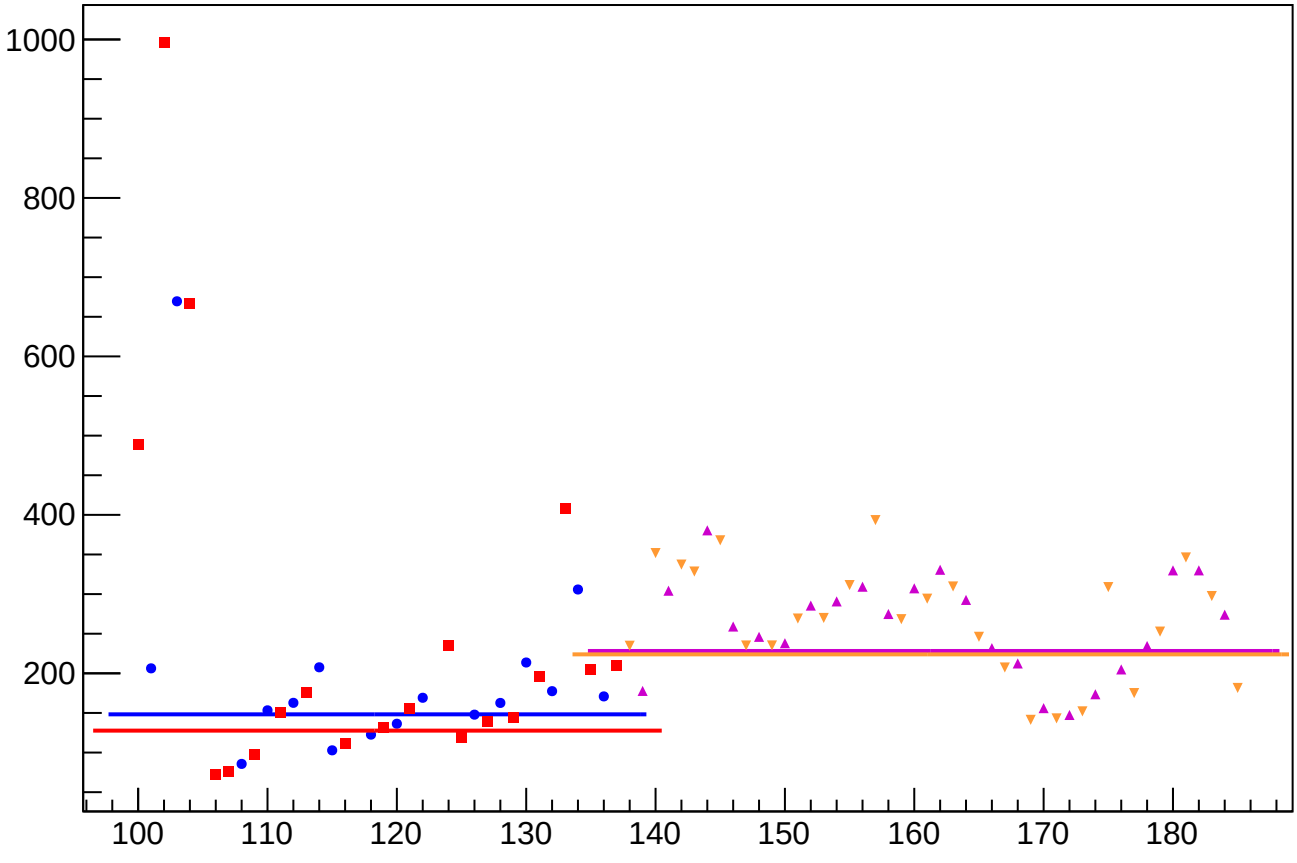
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.040 χ^2/NDF: 33.4/40

All: -0.001+/-0.028 χ^2/NDF: 89.5/82

- 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: 223.945+/-0.039 χ^2/NDF:3438444.8/24

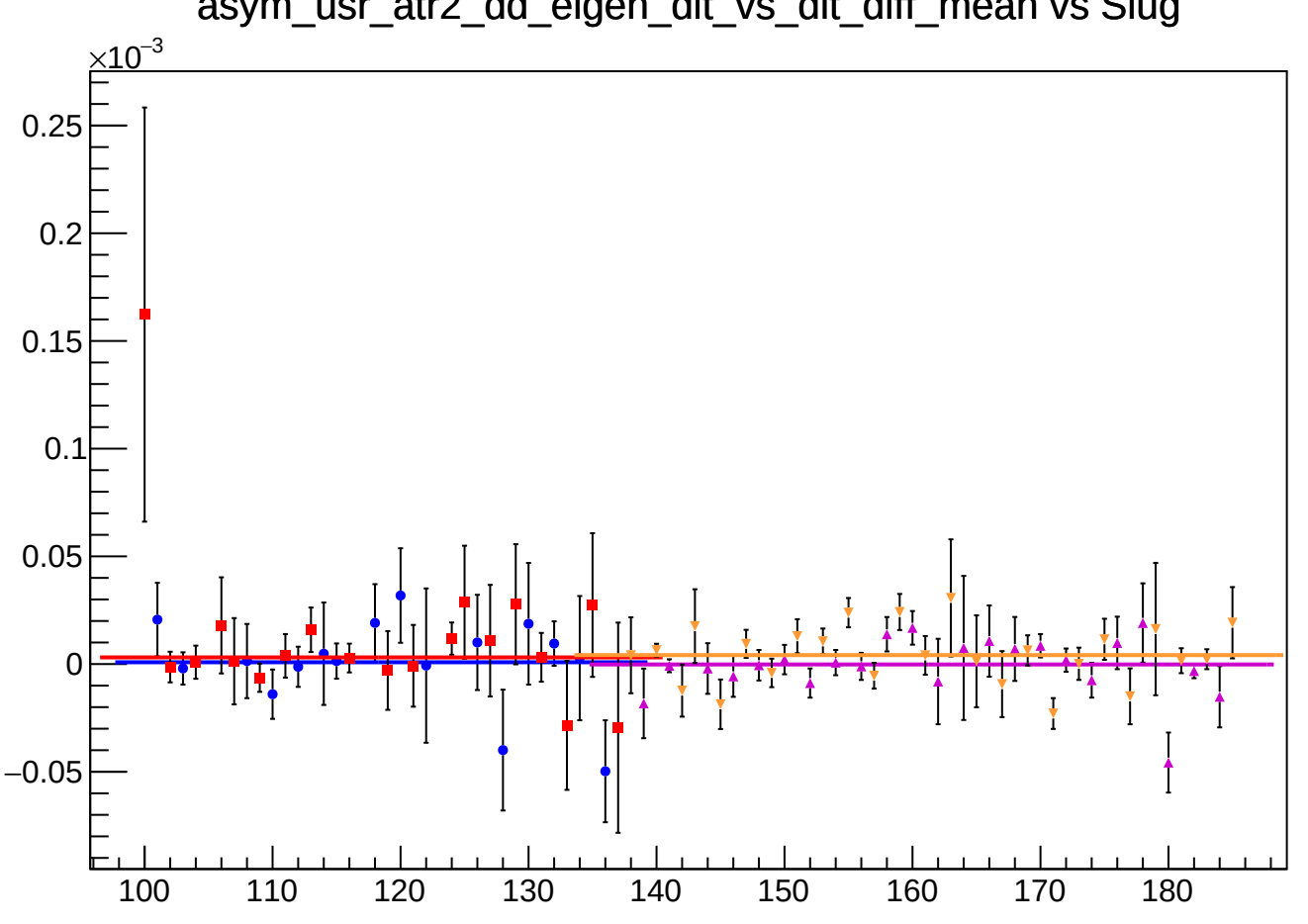
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.670+/-0.029 χ^2/NDF: 6889267.9/40

All: 182.730+/-0.020 χ^2/NDF: 15594859.4/82

- 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:48.8/24

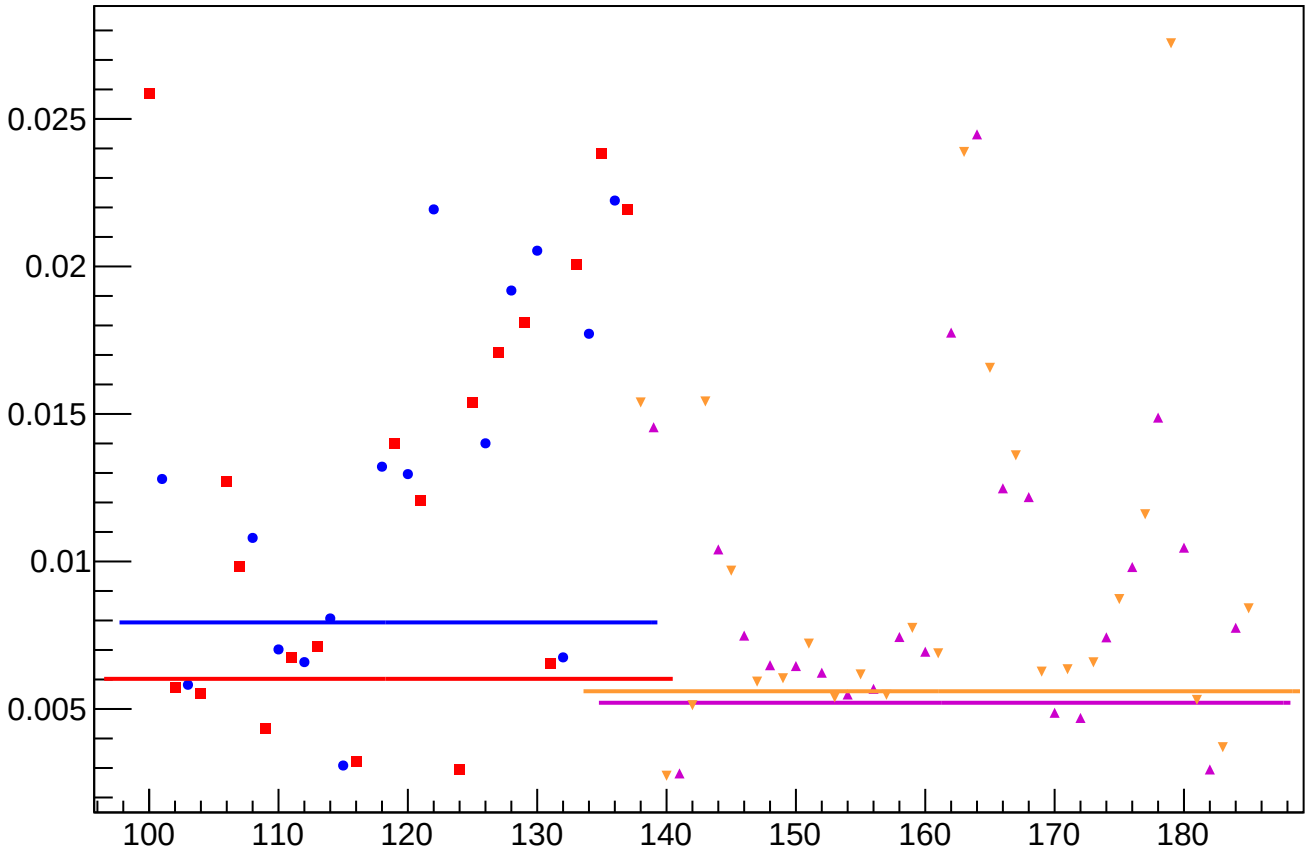
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/40

All: 0.000+/-0.000 χ^2/NDF: 110.6/82

- 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:7769287.5/24

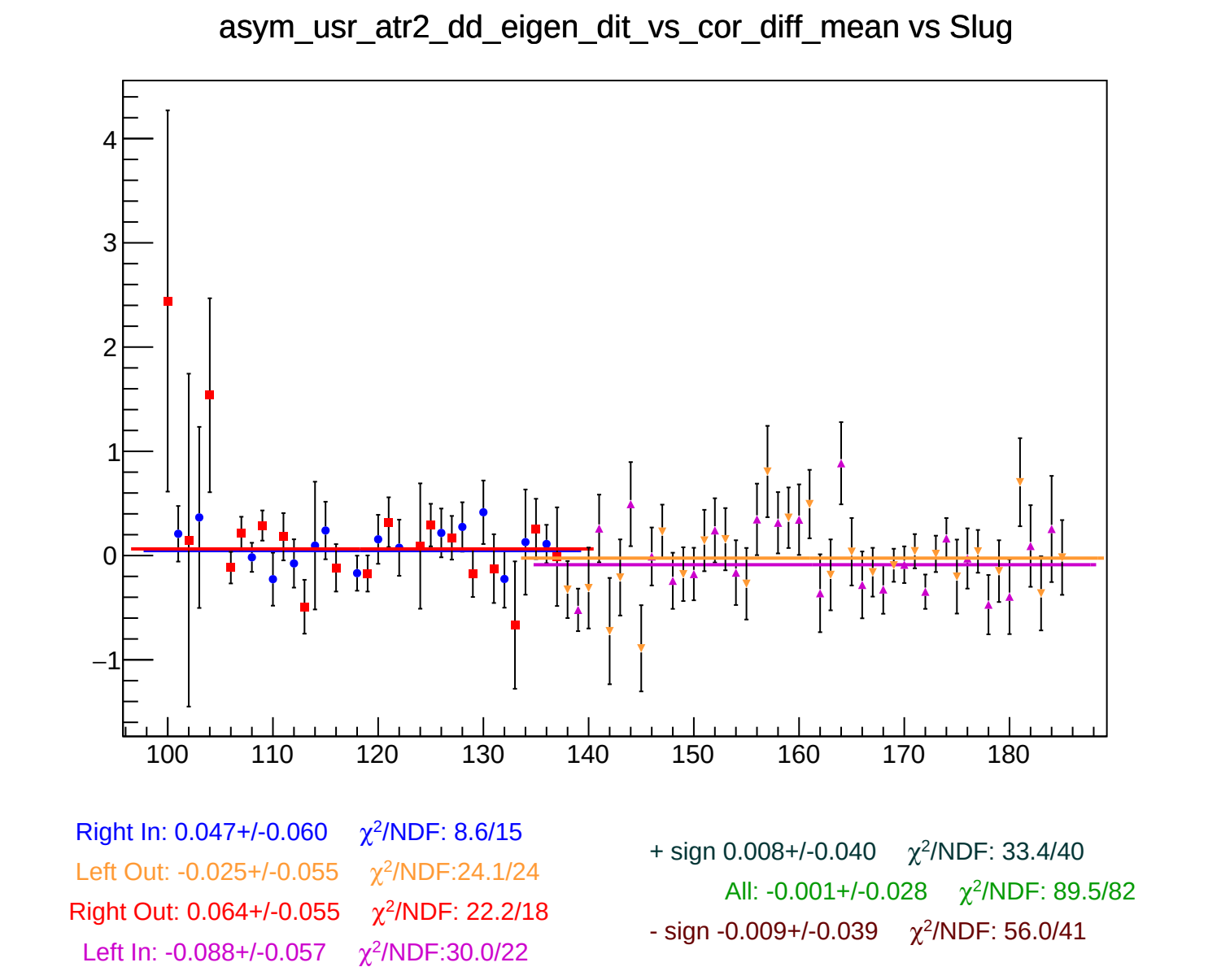
Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

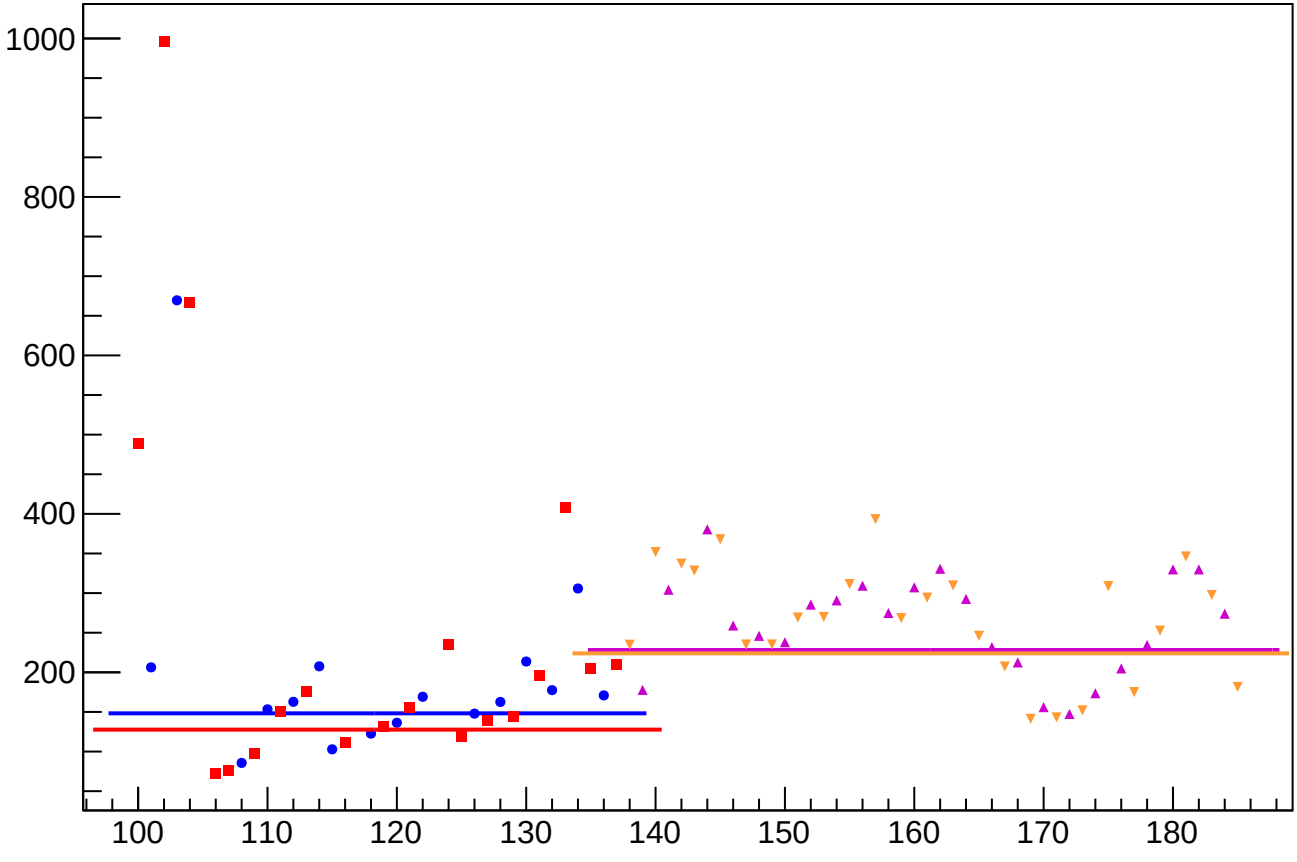
+ sign 0.006+/-0.000 χ^2/NDF: 12116978.0/40

All: 0.006+/-0.000 χ^2/NDF: 23917851.9/82

- sign 0.005+/-0.000 χ^2/NDF: 11616277.0/41


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.008+/-0.040 χ²/NDF: 33.4/40
All: -0.001+/-0.028 χ²/NDF: 89.5/82
- sign -0.009+/-0.039 χ²/NDF: 56.0/41

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

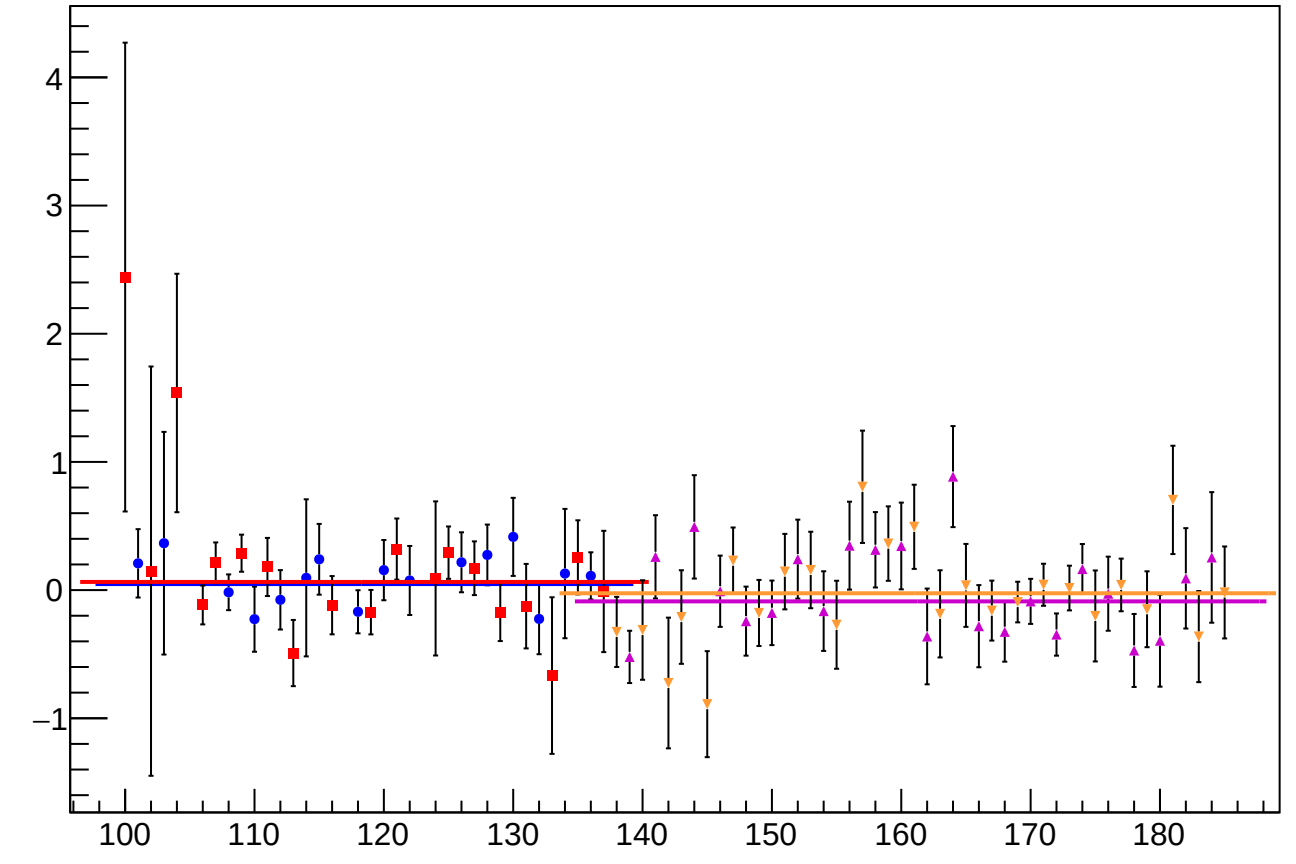
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.669+/-0.029 χ^2/NDF: 6889626.6/40

All: 182.729+/-0.020 χ^2/NDF: 1559529 1.4/82

- 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:24.1/24

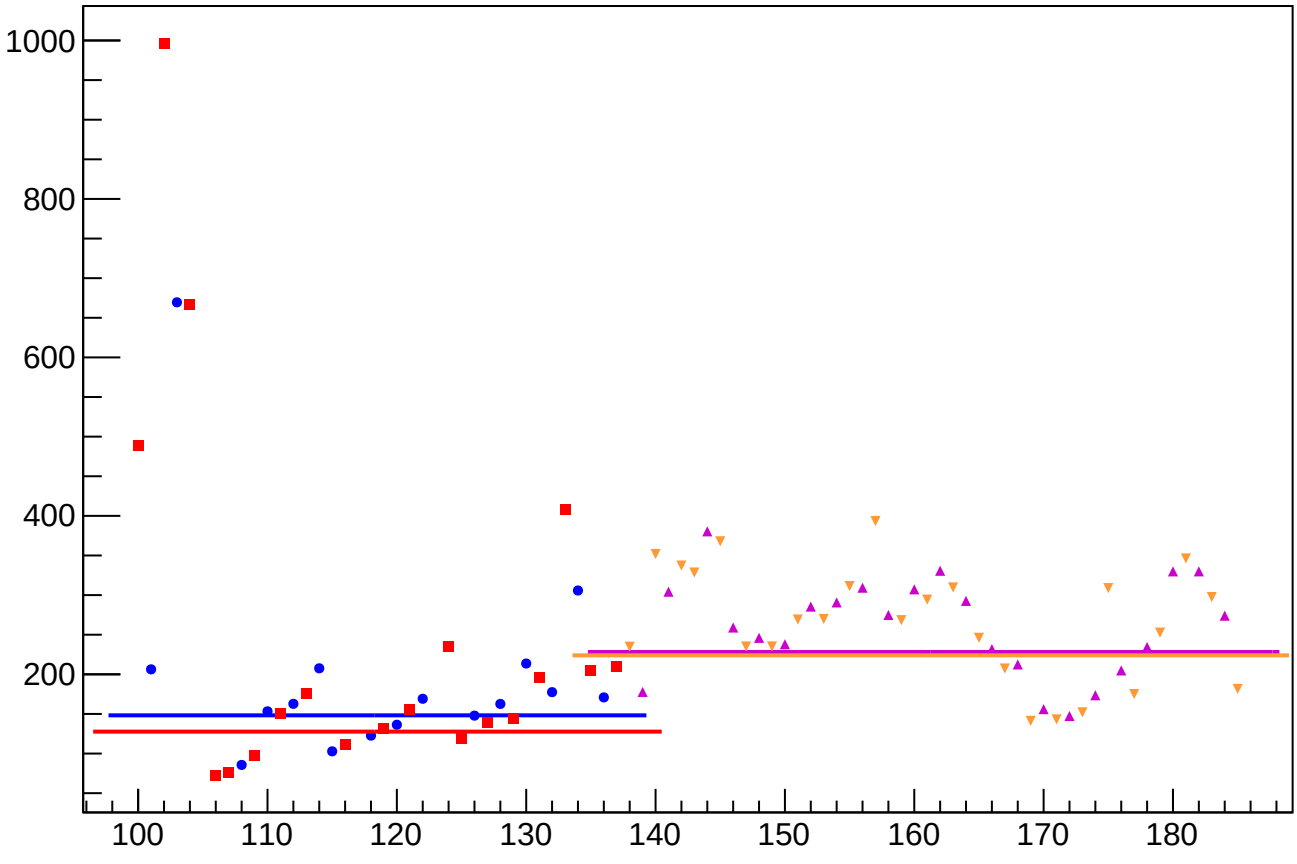
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.040 χ^2/NDF: 33.4/40

All: -0.001+/-0.028 χ^2/NDF: 89.5/82

- 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: 223.946+/-0.039 χ^2/NDF:3438541.7/24

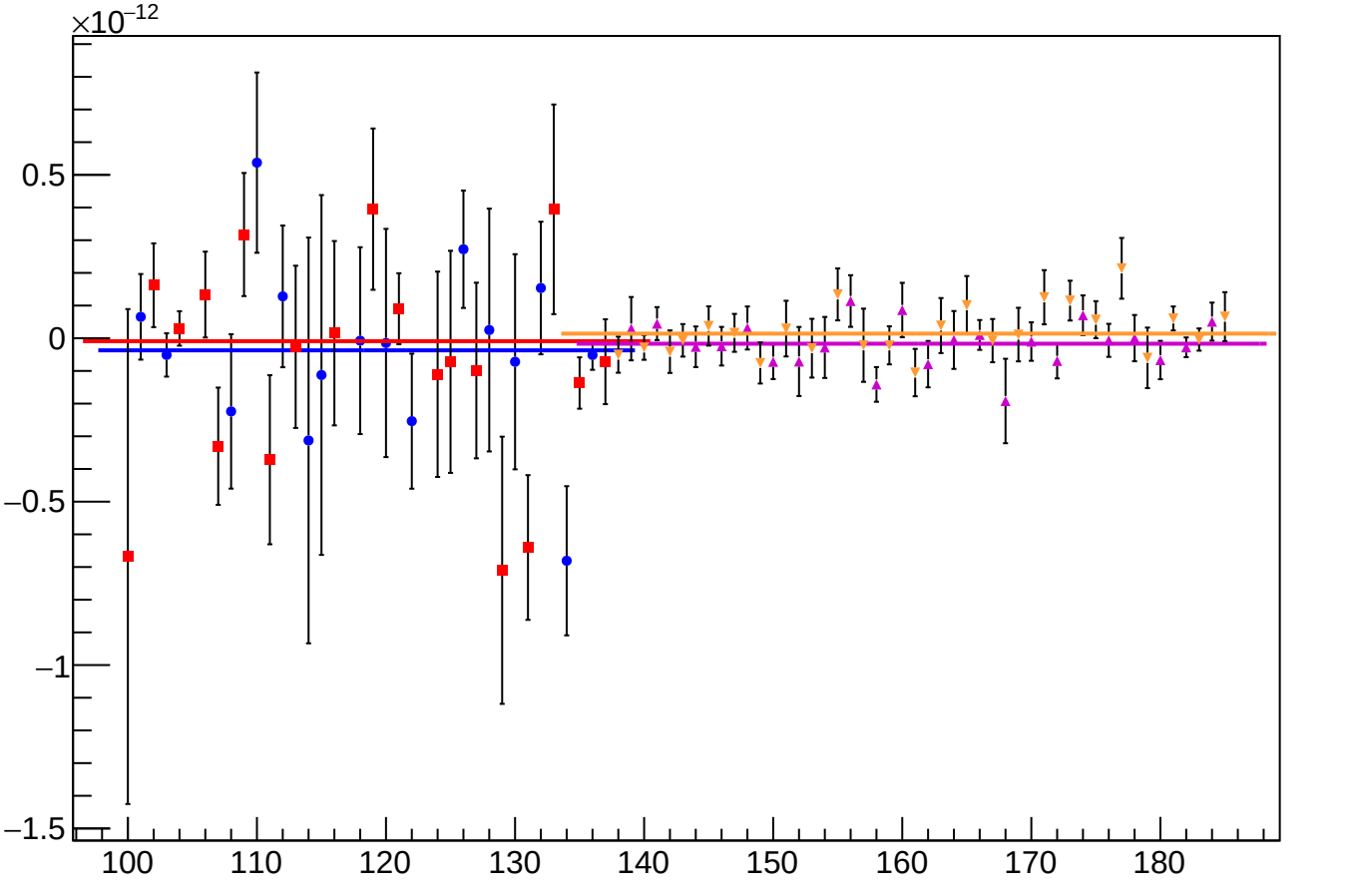
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.669+/-0.029 χ^2/NDF: 6889626.6/40

All: 182.729+/-0.020 χ^2/NDF: 1559529 1.4/82

- 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:25.3/24

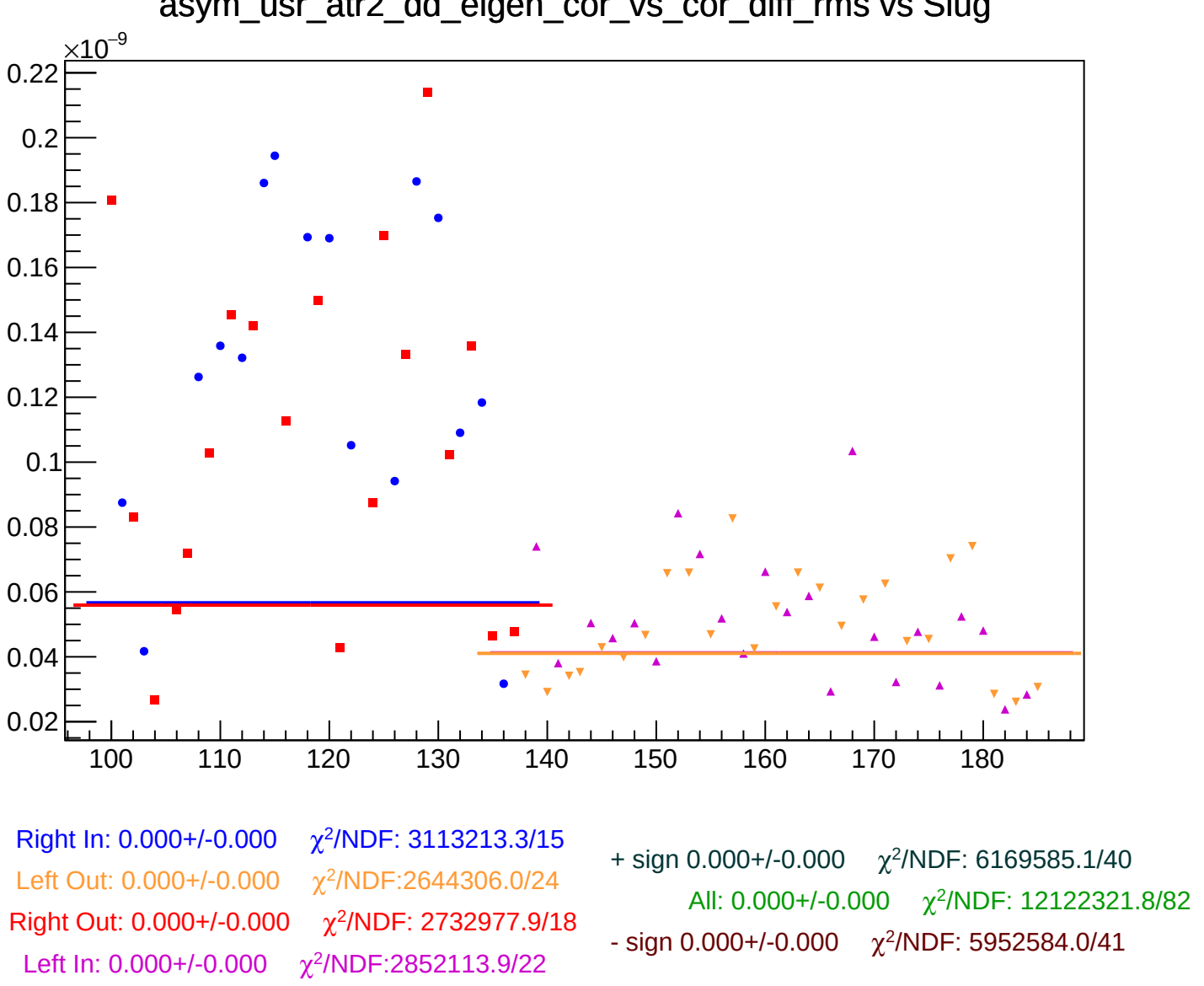
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

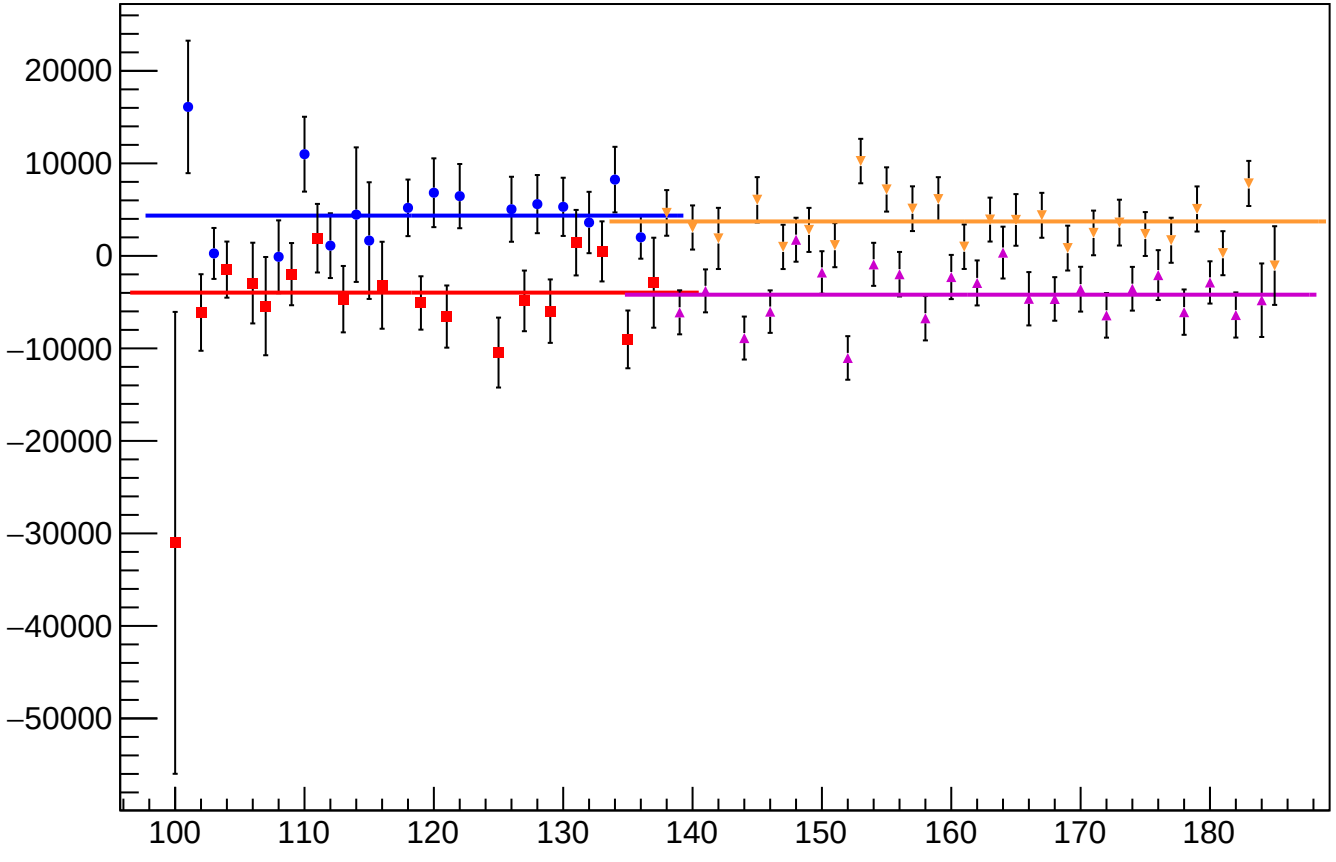
+ sign 0.000+/-0.000 χ^2/NDF: 47.0/40

All: -0.000+/-0.000 χ^2/NDF: 102.7/82

- sign -0.000+/-0.000 χ^2/NDF: 53.6/41


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
+ sign 0.000+/-0.000 χ²/NDF: 6169585.1/40
All: 0.000+/-0.000 χ²/NDF: 12122321.8/82
- sign 0.000+/-0.000 χ²/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: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

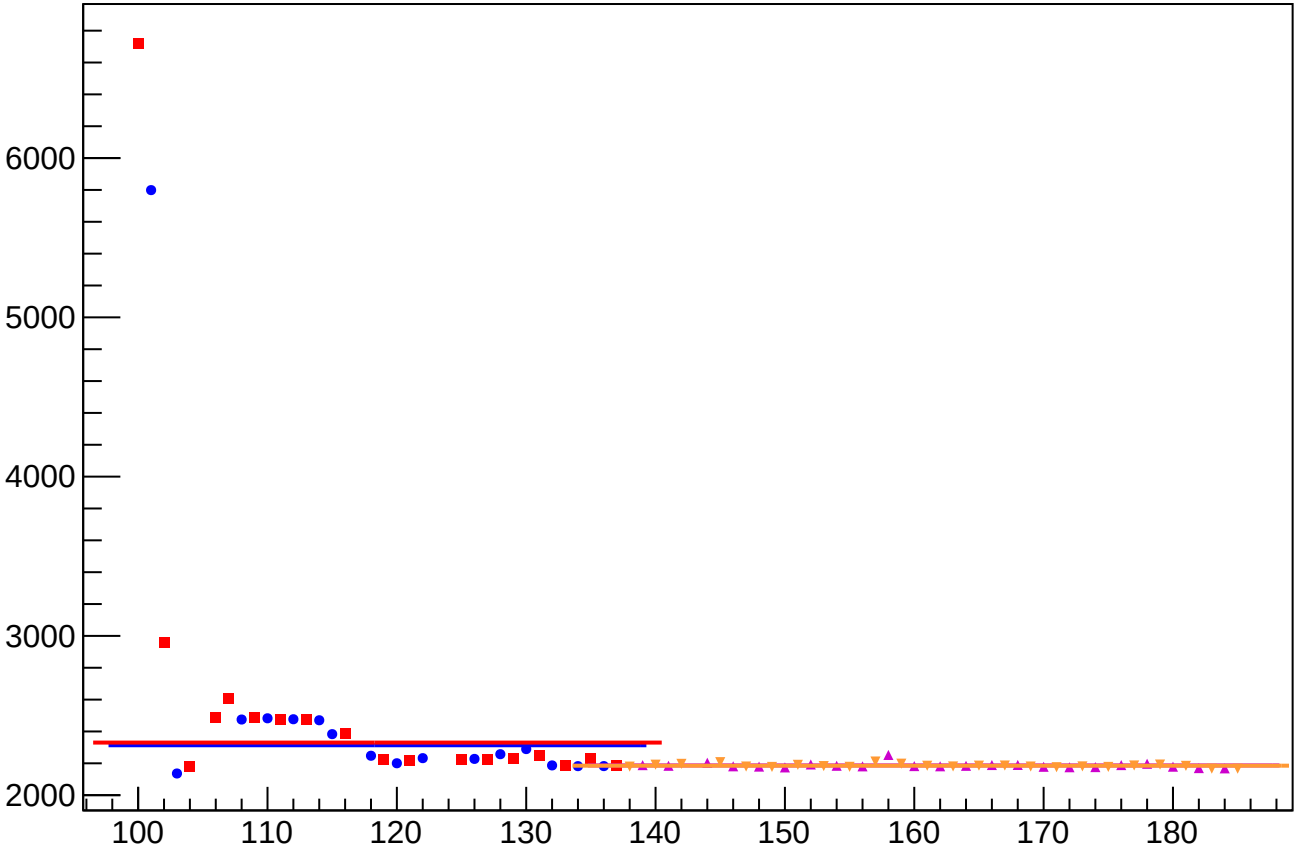
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3882.084+/-438.799 χ^2/NDF: 39.2/39

All: -112.610+/-310.883 χ^2/NDF: 253.9/80

- 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: 2185.133+/-0.359 χ^2/NDF:815.1/23

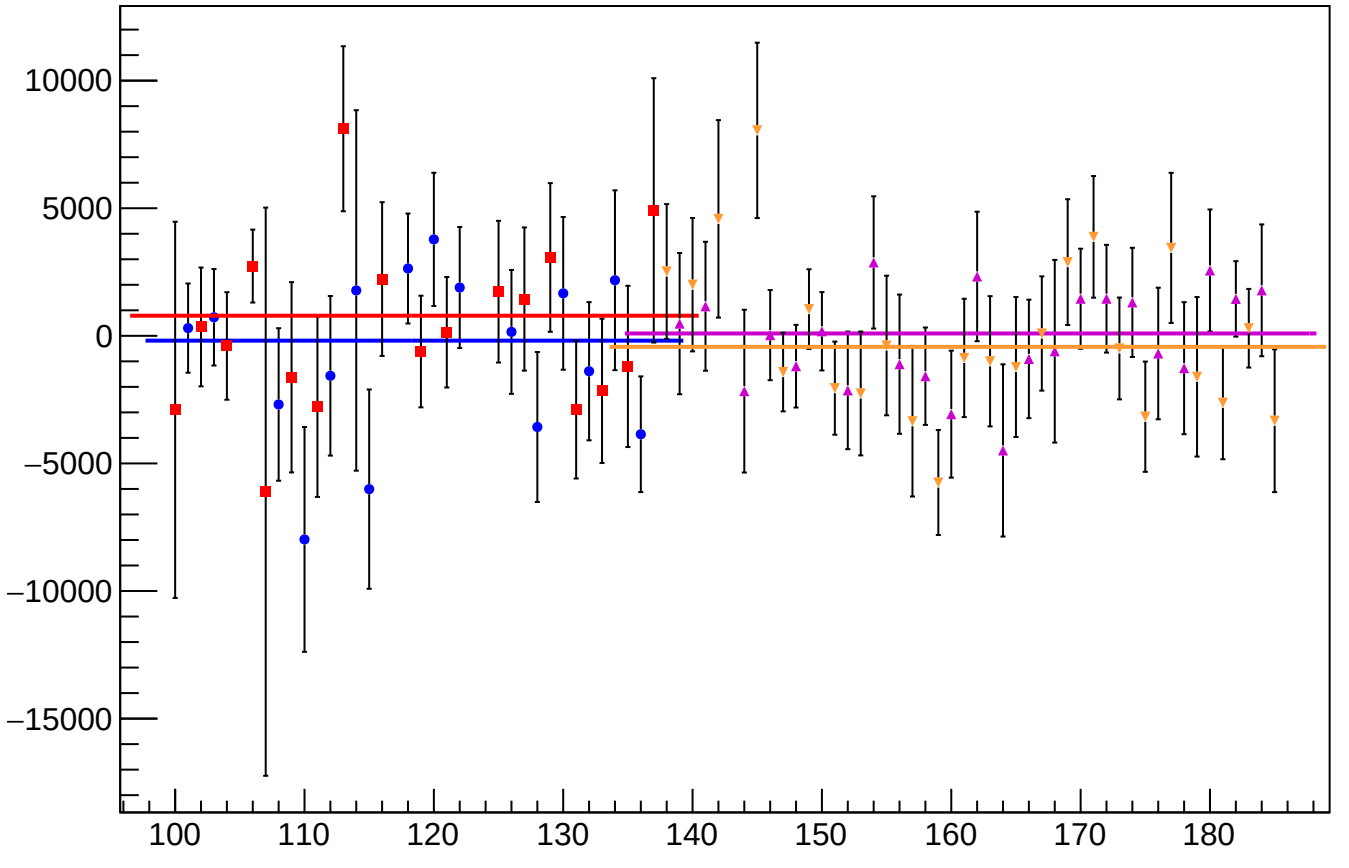
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.382+/-0.310 χ^2/NDF: 545355.5/39

All: 2220.387+/-0.220 χ^2/NDF: 739175.5/80

- 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: -432.286+/-462.383 χ^2/NDF:31.3/23

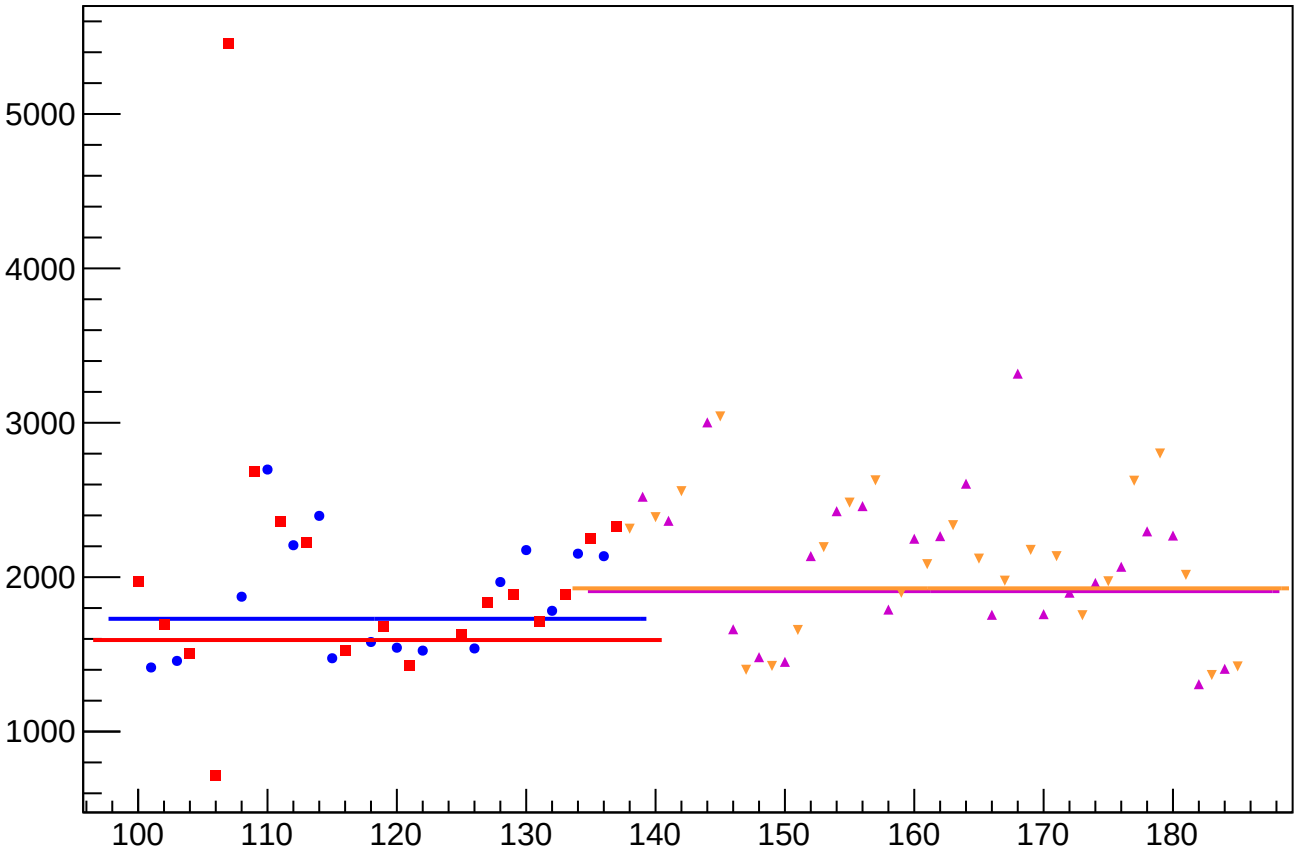
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -351.806+/-378.380 χ^2/NDF: 47.8/39

All: -4.410+/-265.582 χ^2/NDF: 77.9/80

- 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: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

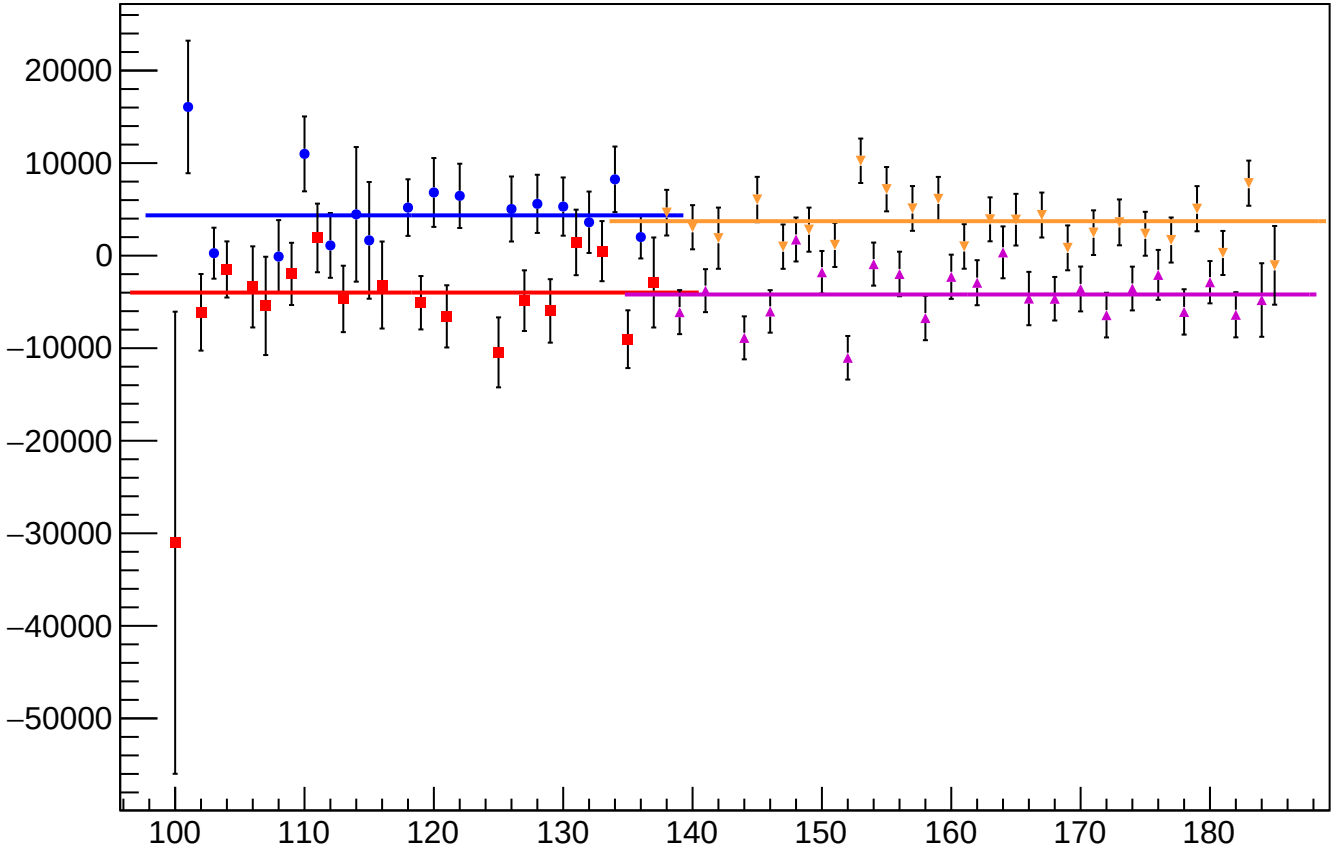
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1862.460+/-0.268 χ^2/NDF: 2397698.0/39

All: 1830.951+/-0.188 χ^2/NDF: 6249693.8/80

- 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: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

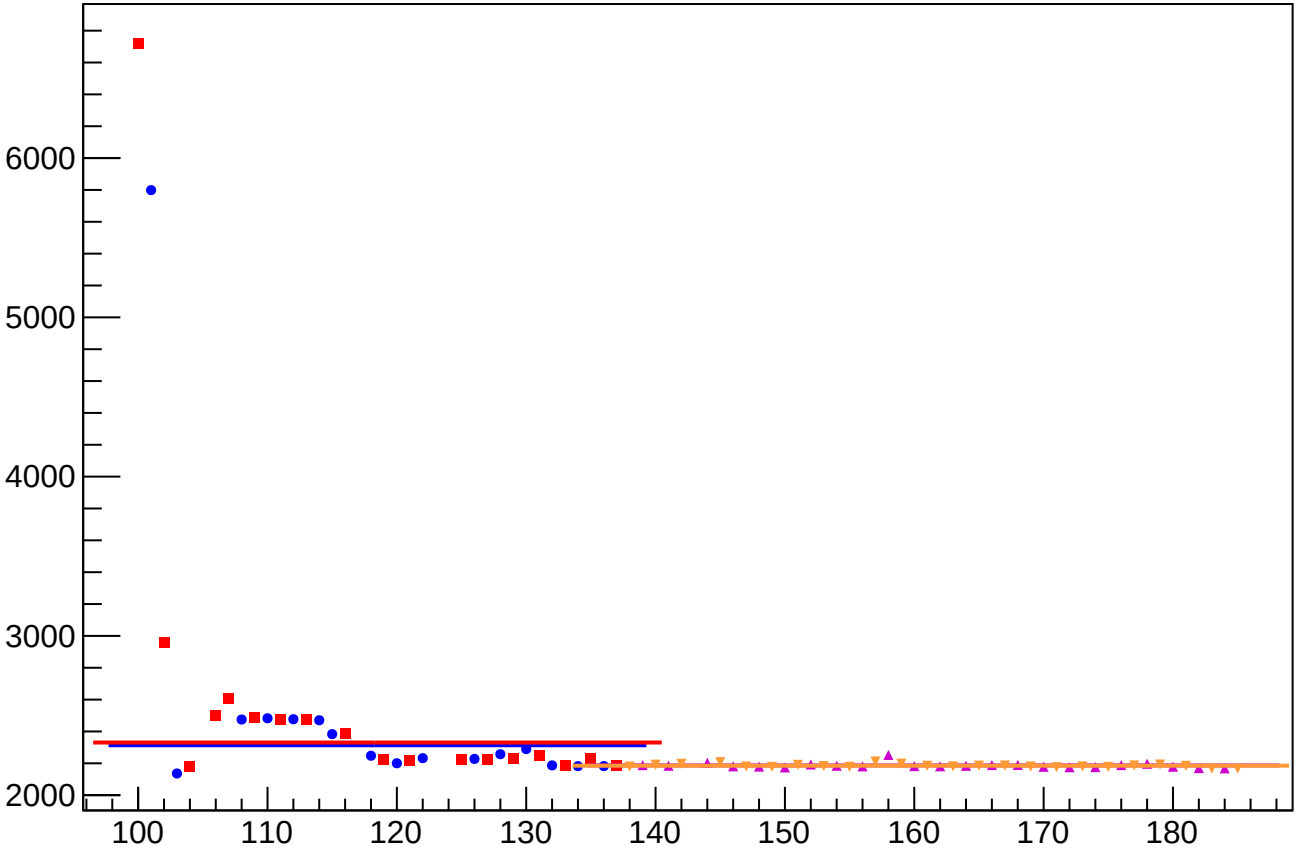
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3881.873+/-438.799 χ^2/NDF: 39.2/39

All: -114.907+/-310.890 χ^2/NDF: 254.0/80

- 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: 2185.133+/-0.359 χ^2/NDF:815.1/23

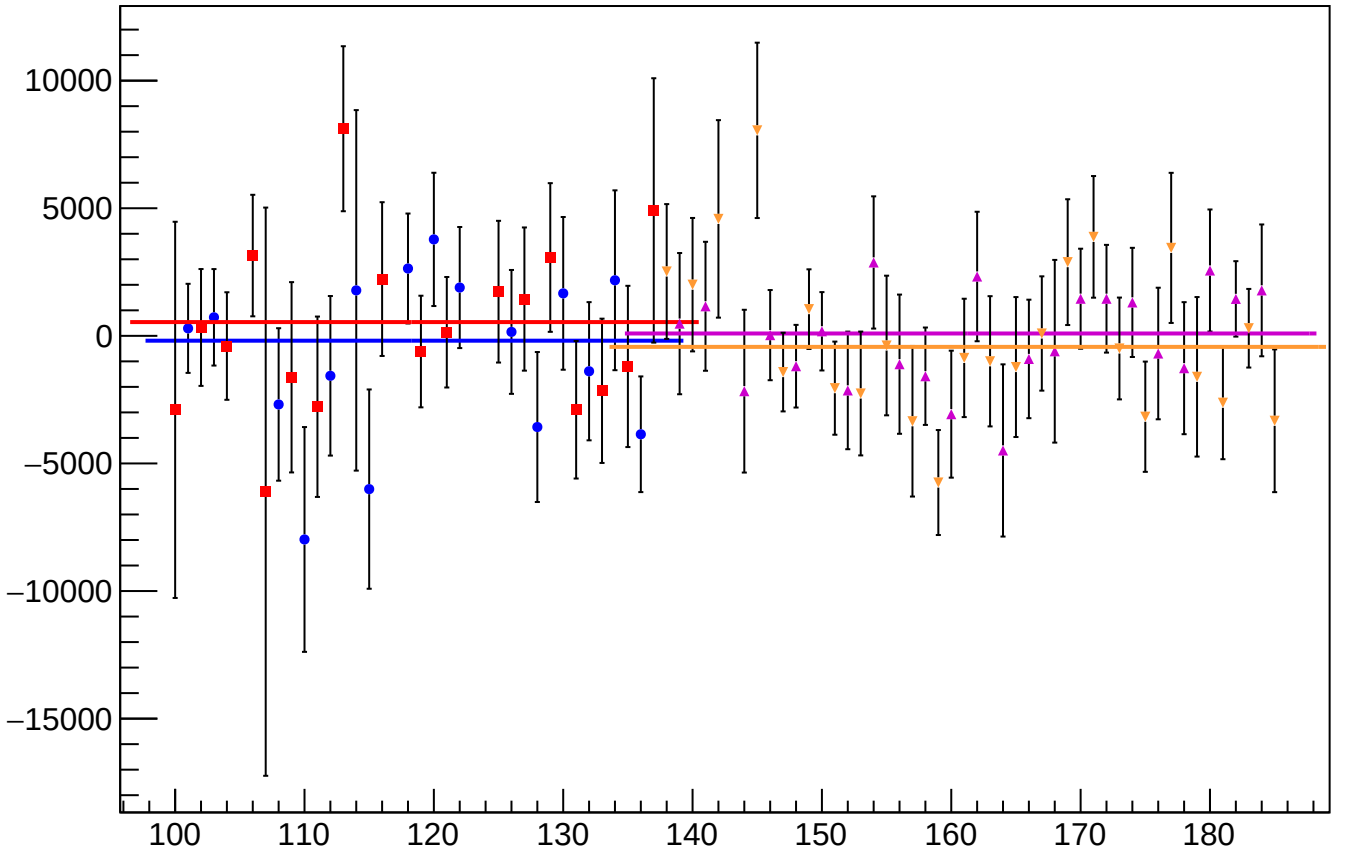
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.382+/-0.310 χ^2/NDF: 545355.9/39

All: 2220.429+/-0.220 χ^2/NDF: 739724.9/80

- 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: -432.320+/-462.383 χ^2/NDF:31.3/23

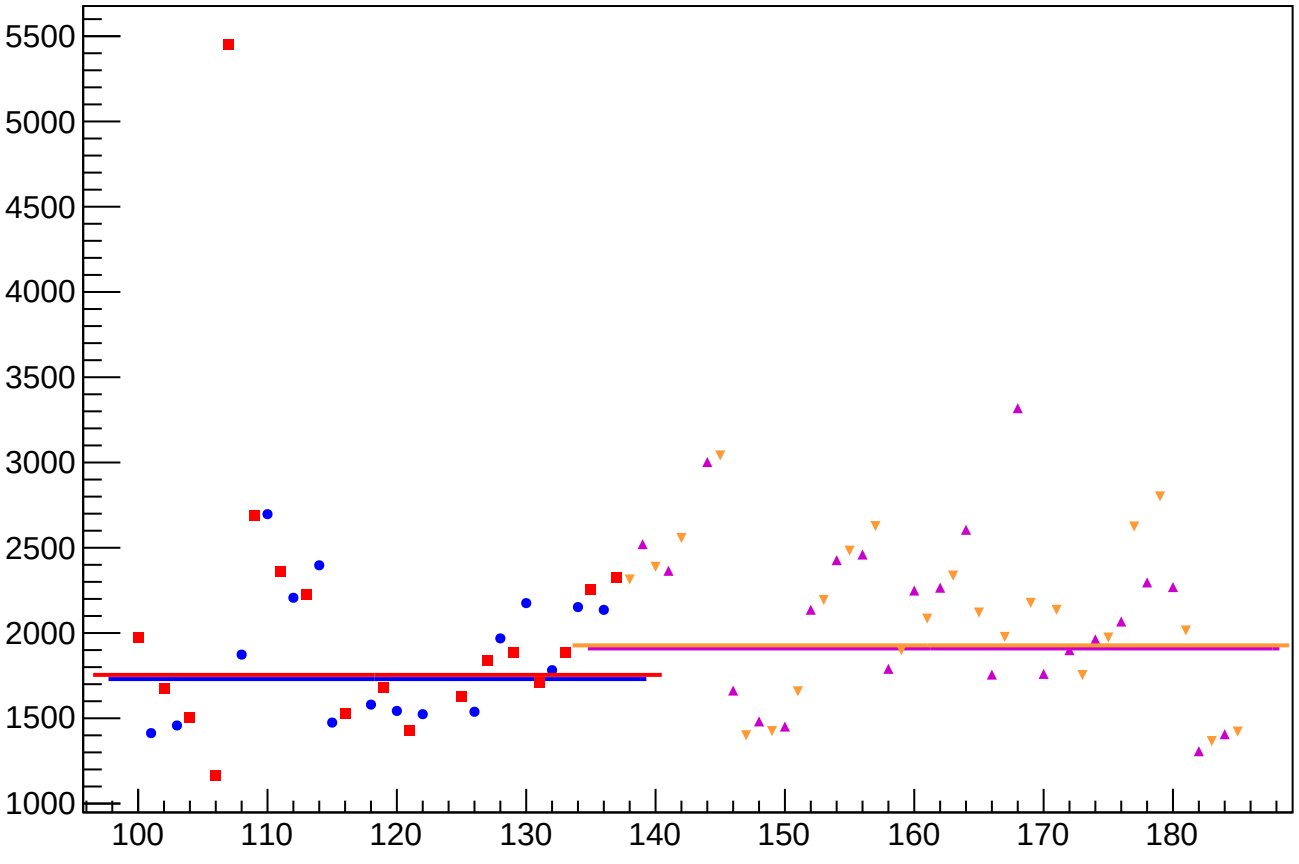
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -352.172+/-378.356 χ^2/NDF: 47.8/39

All: -61.335+/-268.494 χ^2/NDF: 76.0/80

- 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: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

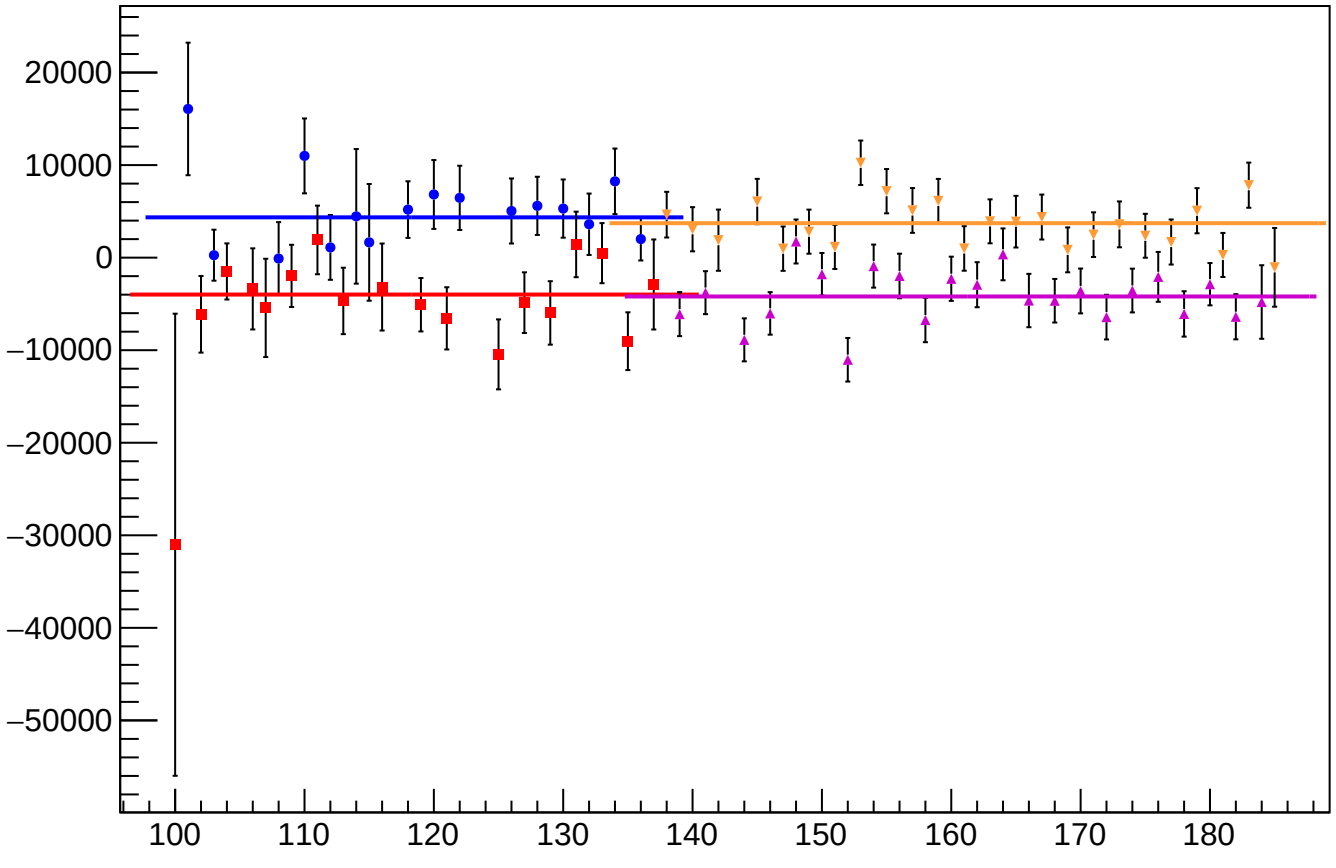
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1862.313+/-0.268 χ^2/NDF: 2399193.8/39

All: 1861.490+/-0.190 χ^2/NDF: 5164076.6/80

- 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: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

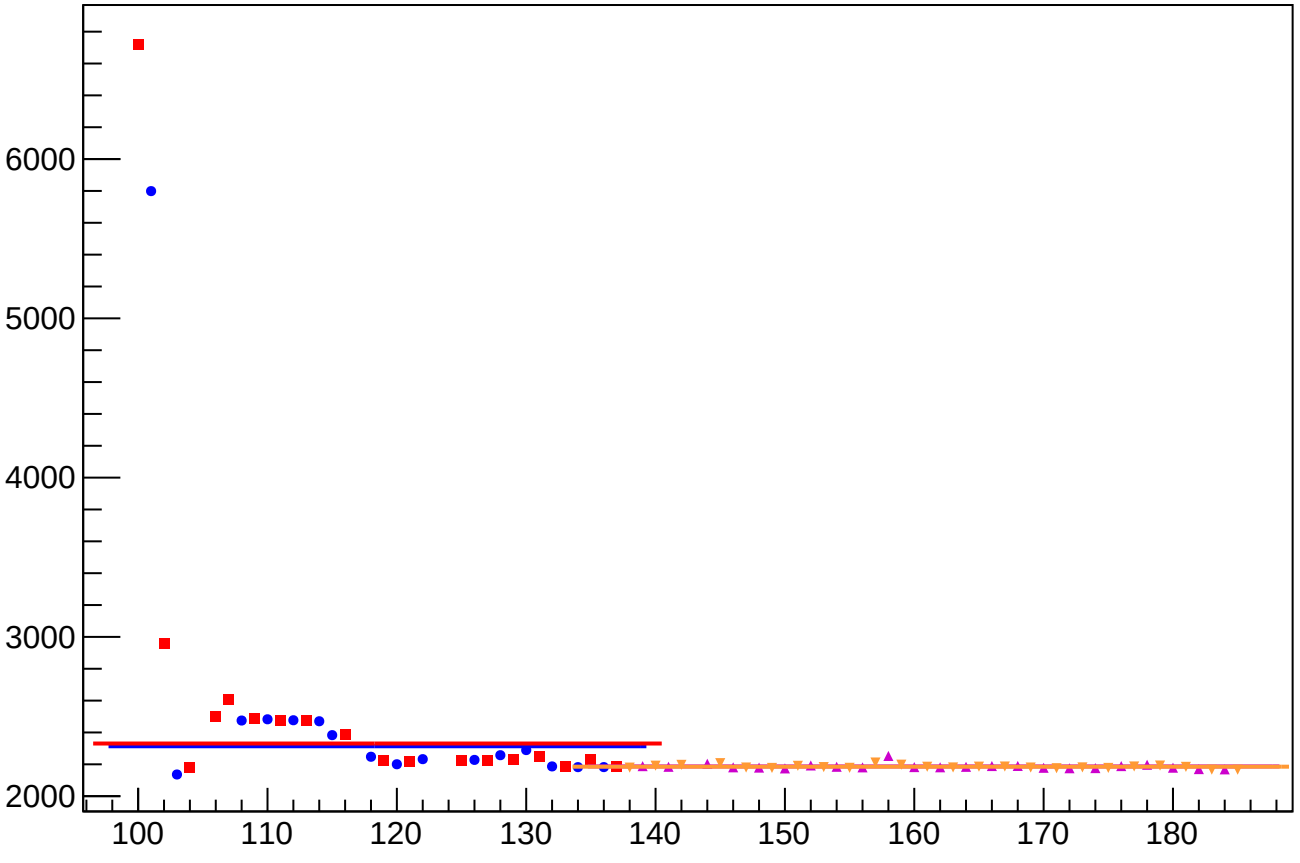
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3881.873+/-438.799 χ^2/NDF: 39.2/39

All: -114.907+/-310.890 χ^2/NDF: 254.0/80

- sign -4143.373+/-440.535 χ^2/NDF: 48.3/40

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

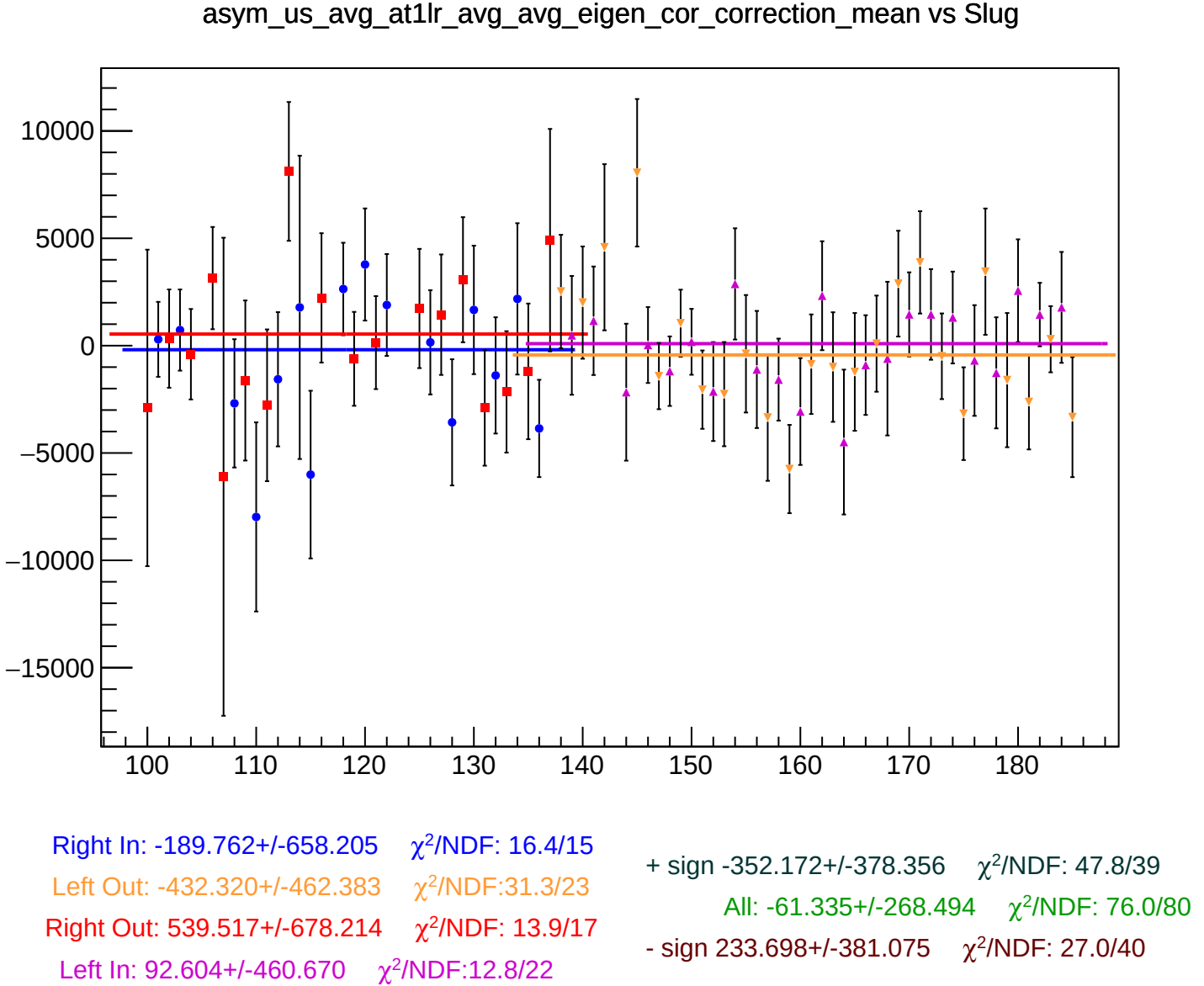
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

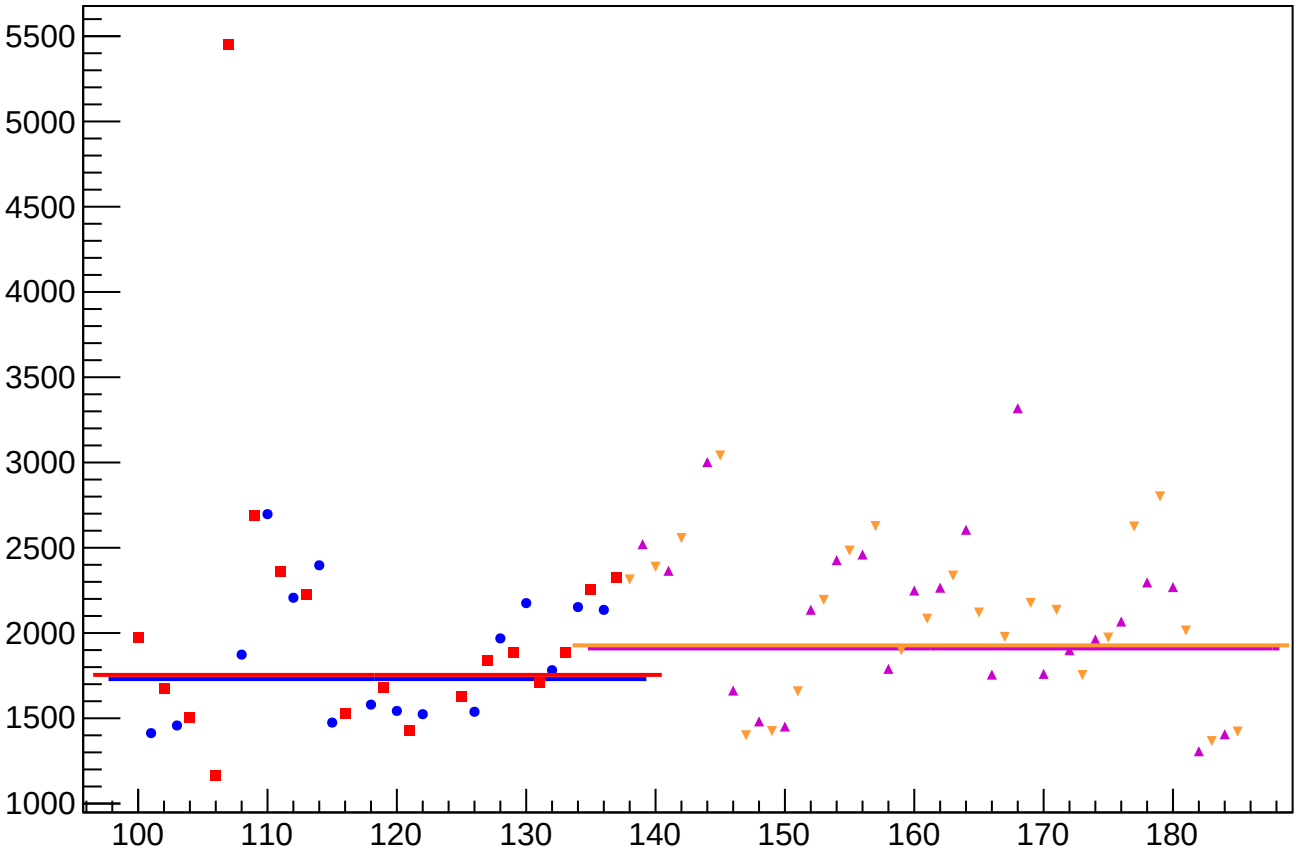
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.382+/-0.310 χ^2/NDF: 545355.9/39

All: 2220.429+/-0.220 χ^2/NDF: 739724.9/80

- 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: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign -352.172+/-378.356 χ²/NDF: 47.8/39
All: -61.335+/-268.494 χ²/NDF: 76.0/80
- sign 233.698+/-381.075 χ²/NDF: 27.0/40



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

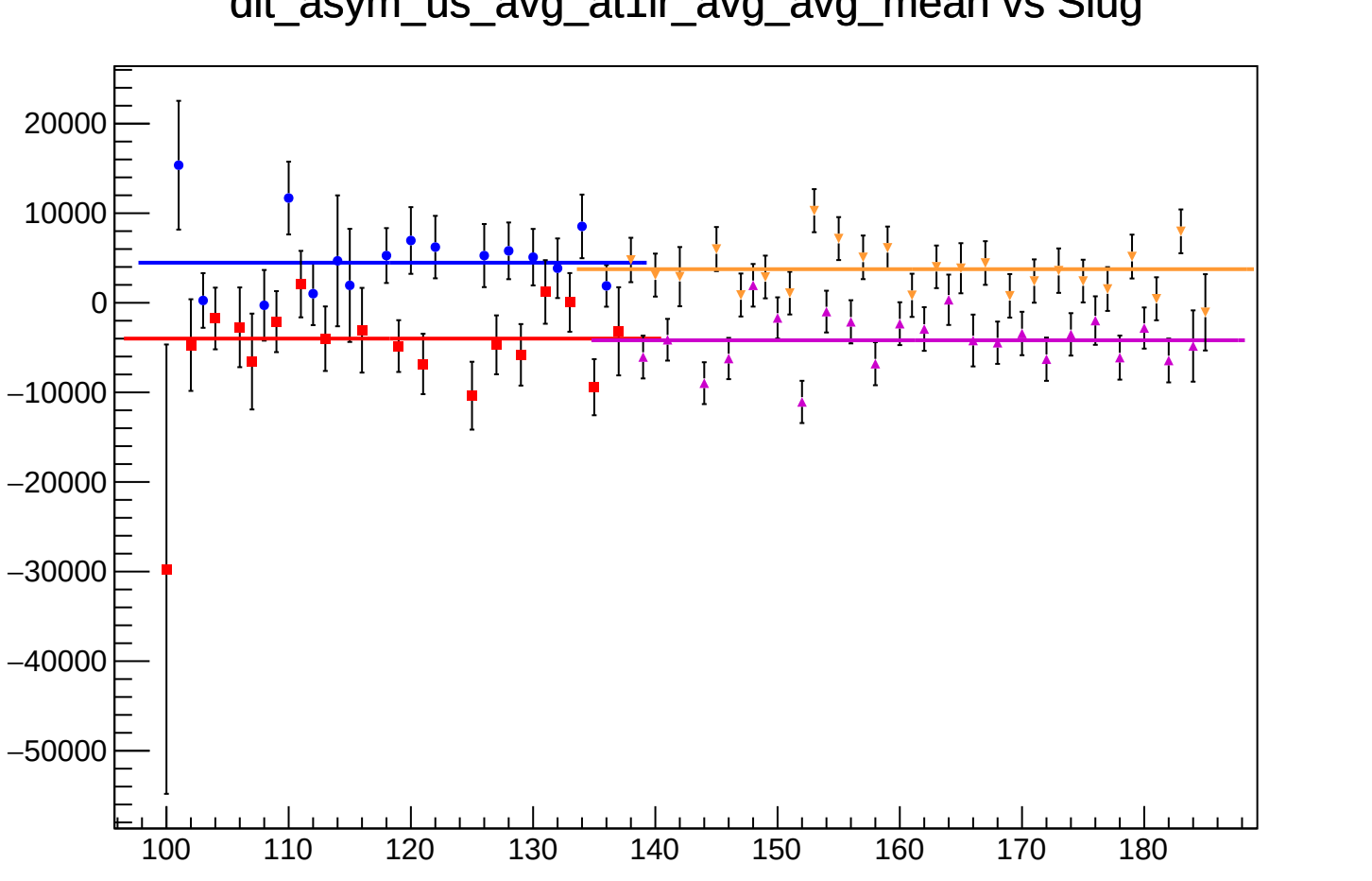
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1862.313+/-0.268 χ^2/NDF: 2399193.8/39

All: 1861.490+/-0.190 χ^2/NDF: 5164076.6/80

- sign 1860.654+/-0.269 χ^2/NDF: 2764863.7/40



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

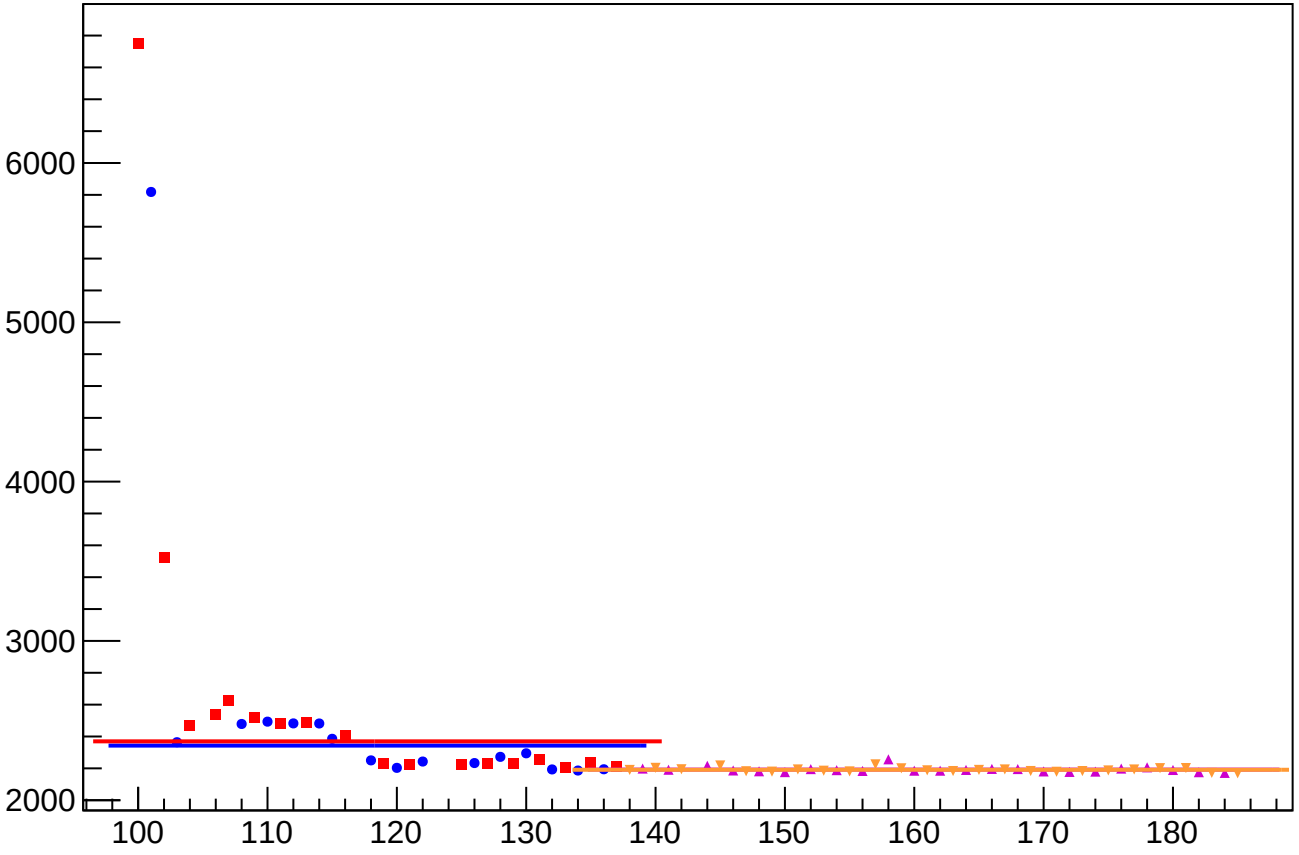
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3933.061+/-441.081 χ^2/NDF: 39.7/39

All: -77.677+/-312.837 χ^2/NDF: 254.3/80

- 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: 2191.147+/-0.360 χ^2/NDF:1228.9/23

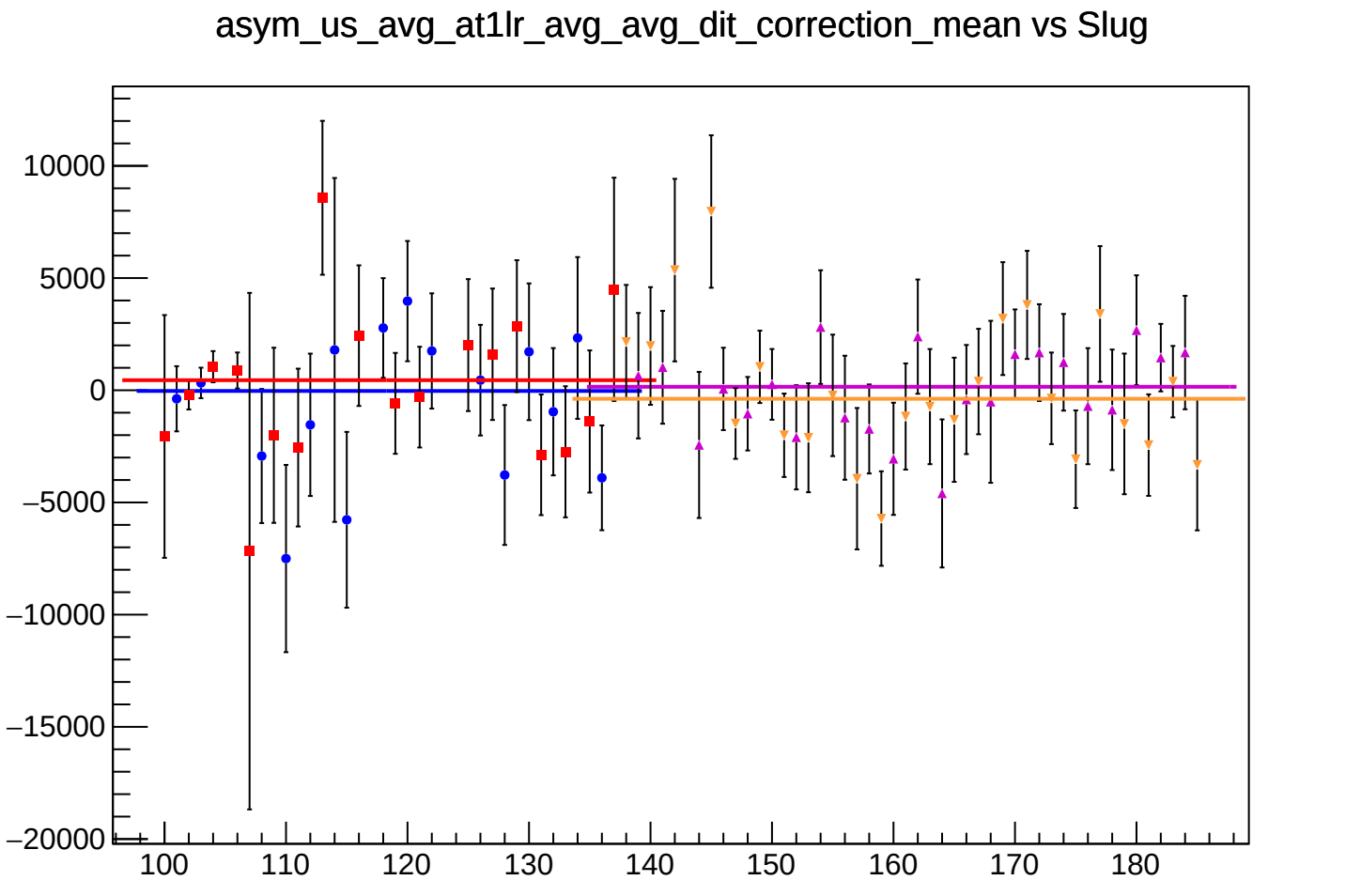
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.753+/-0.312 χ^2/NDF: 548229.2/39

All: 2232.481+/-0.221 χ^2/NDF: 820593.5/80

- 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: -380.488+/-471.481 χ^2/NDF:30.8/23

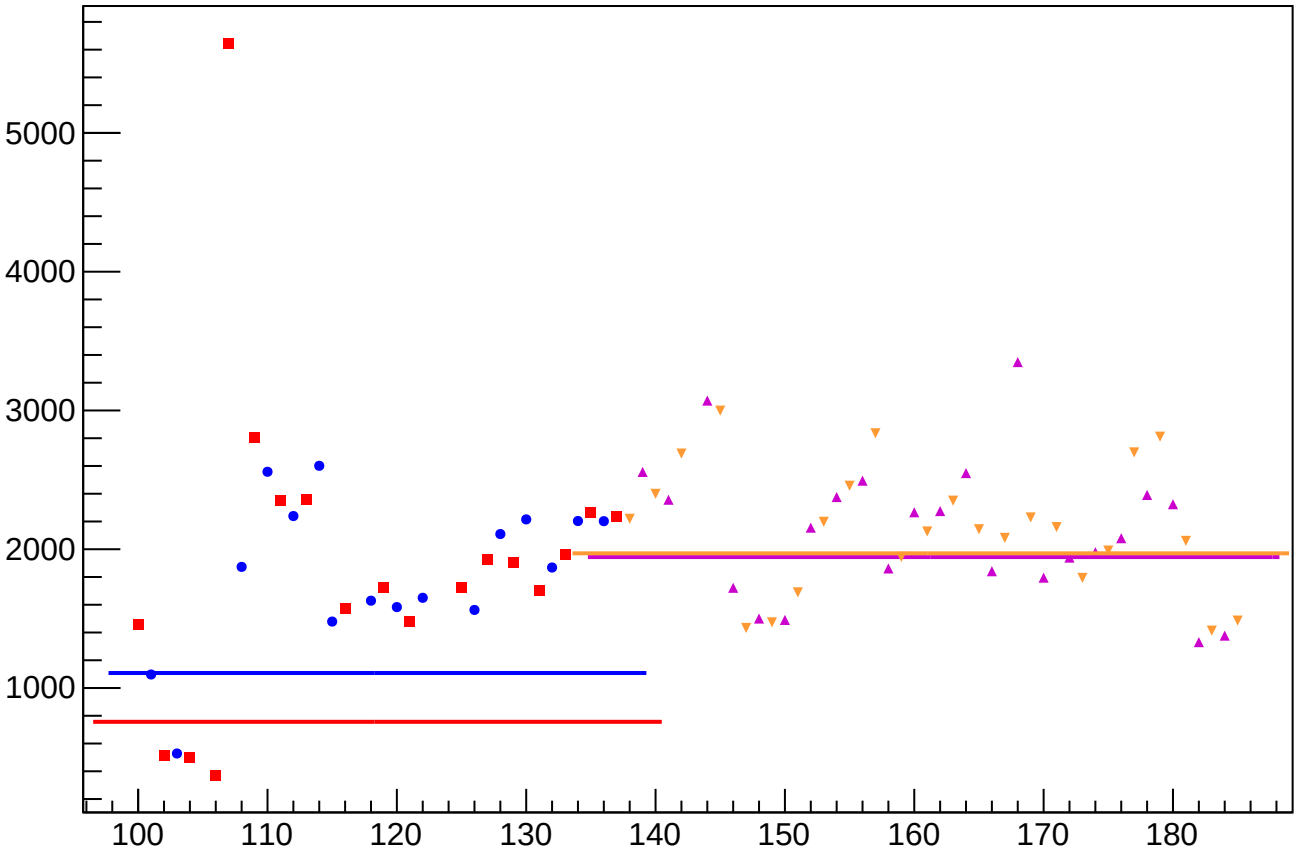
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -210.992+/-338.177 χ^2/NDF: 47.3/39

All: 108.548+/-218.651 χ^2/NDF: 77.0/80

\- 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: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

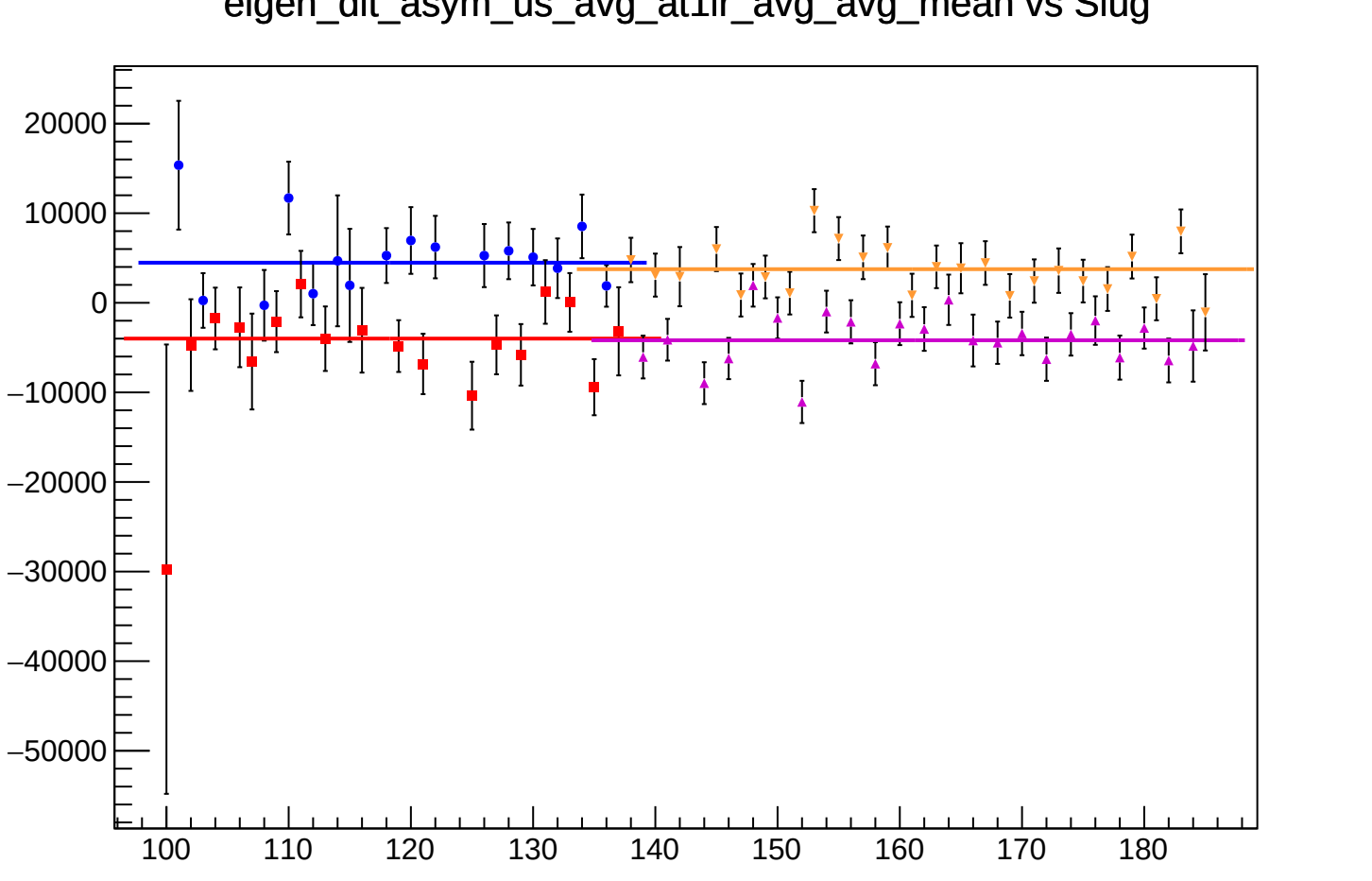
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1551.878+/-0.239 χ^2/NDF: 8692905.6/39

All: 1348.096+/-0.155 χ^2/NDF: 25469998.0/8

- 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: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

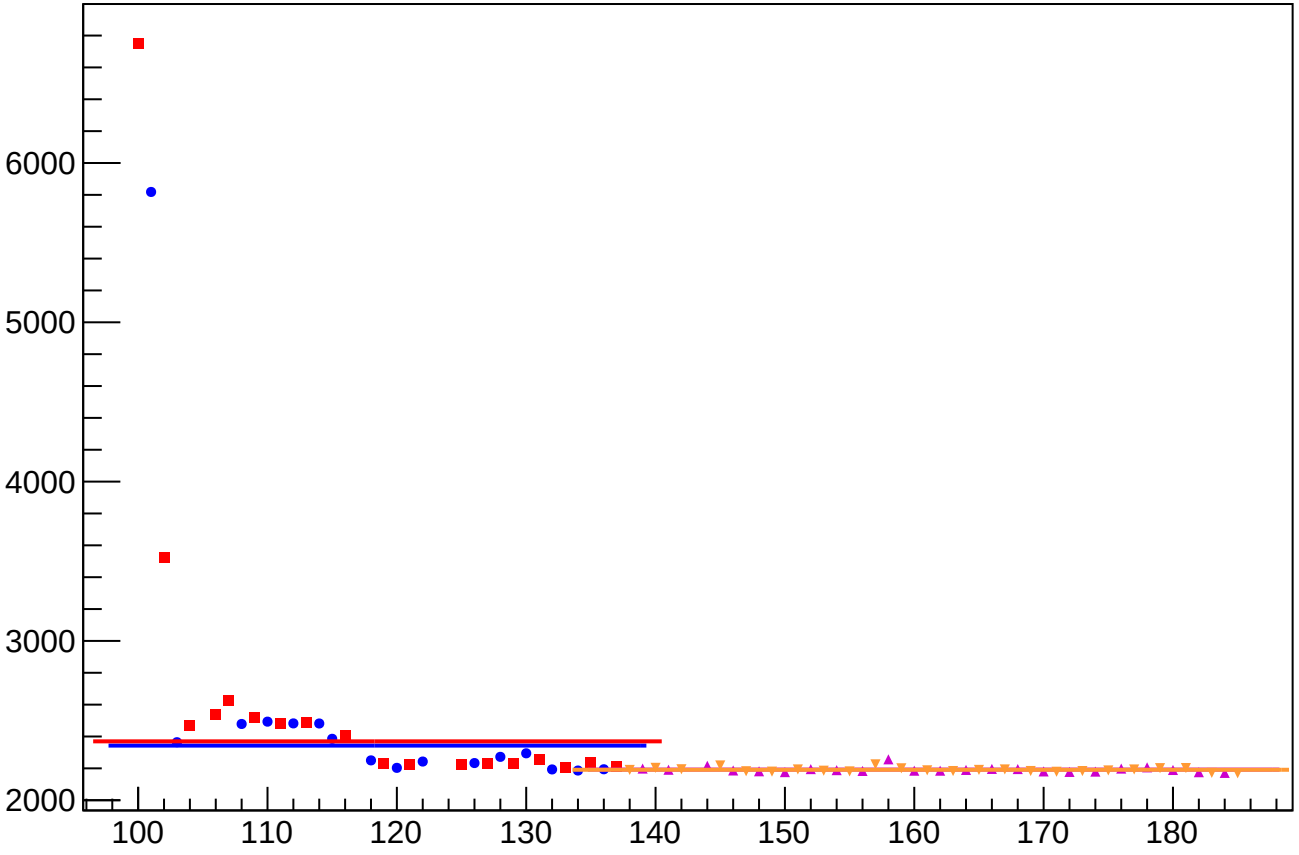
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3933.059+/-441.081 χ^2/NDF: 39.7/39

All: -77.678+/-312.837 χ^2/NDF: 254.3/80

- 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: 2191.147+/-0.360 χ^2/NDF:1228.9/23

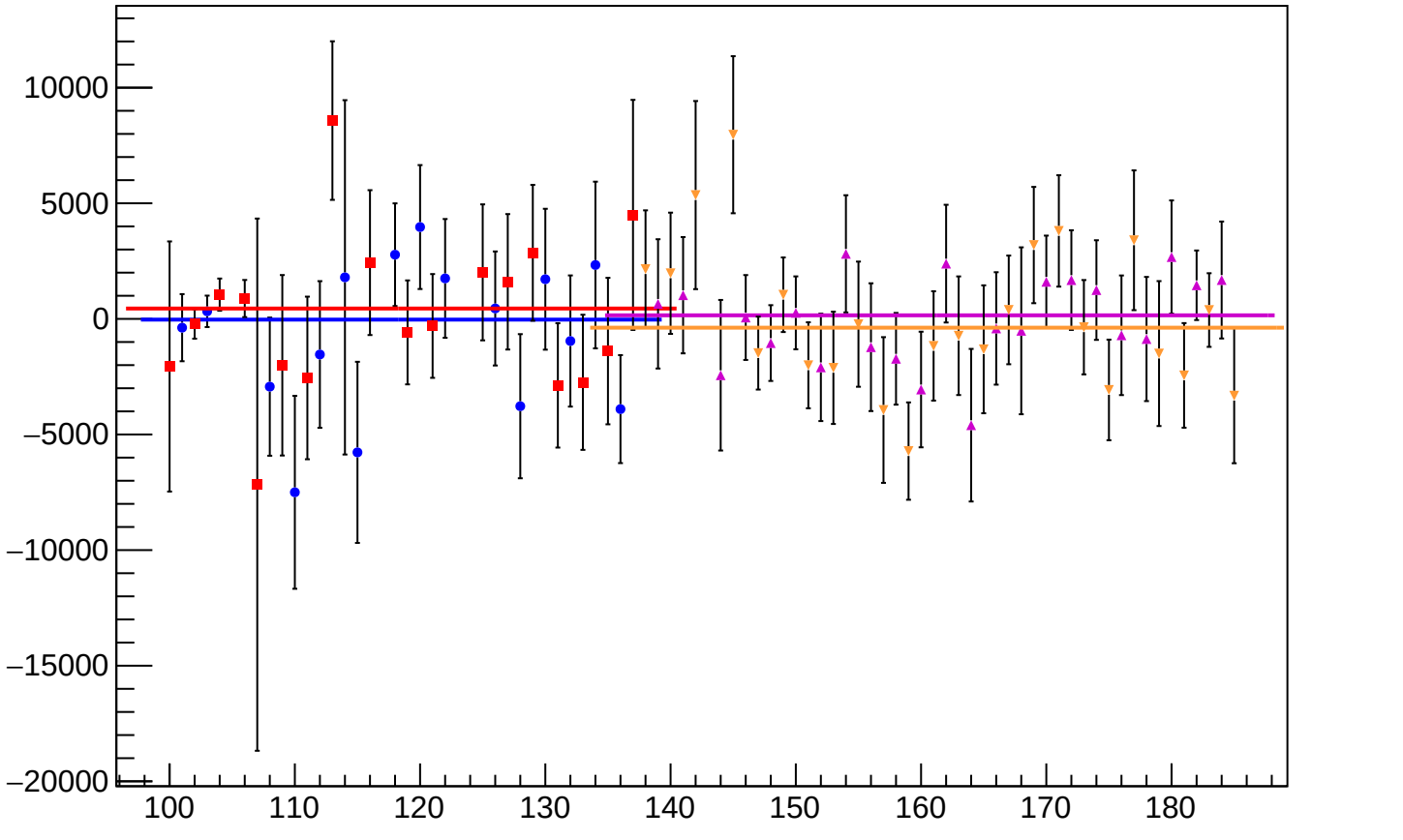
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.753+/-0.312 χ^2/NDF: 548228.9/39

All: 2232.481+/-0.221 χ^2/NDF: 820591.8/80

- 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: -380.492+/-471.482 χ^2/NDF:30.8/23

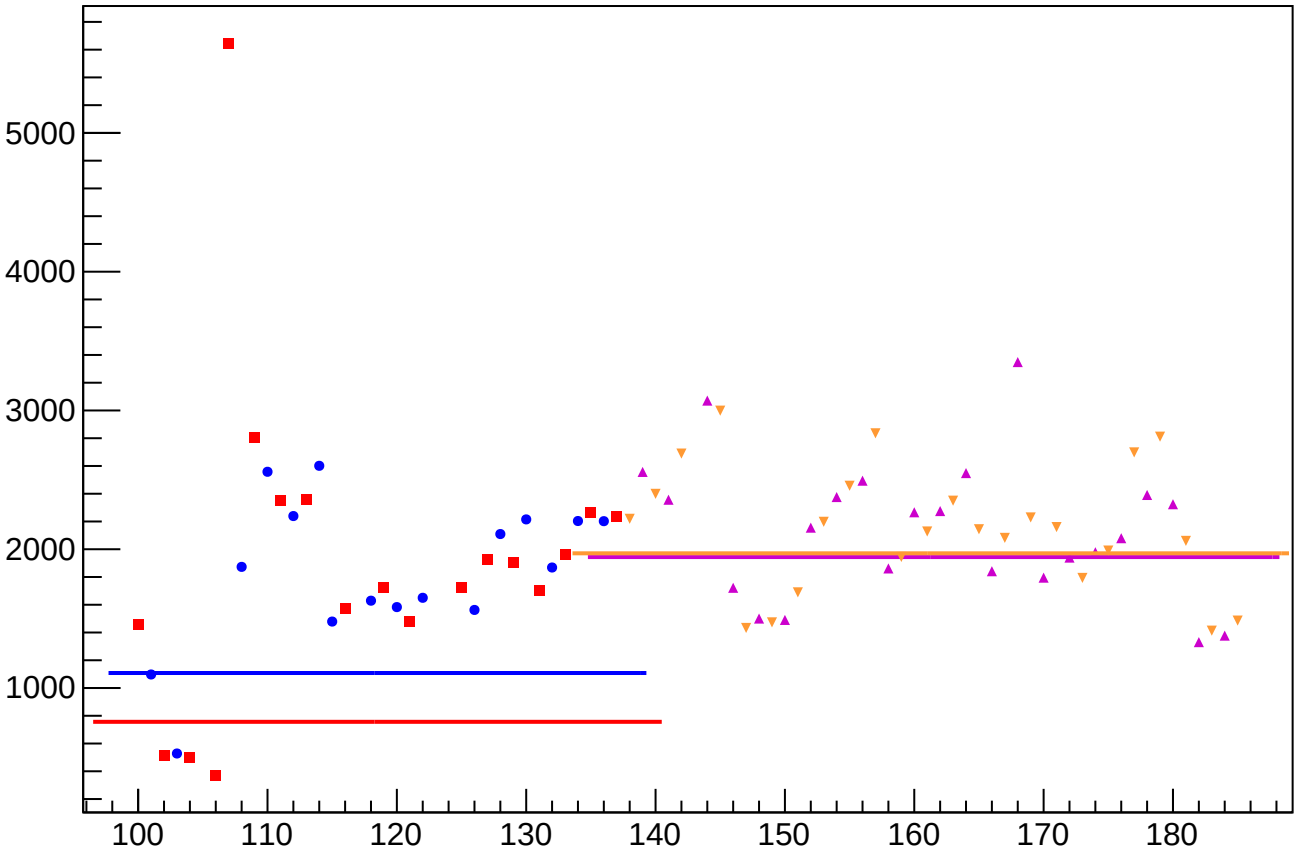
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

\+ sign -210.998+/-338.178 χ^2/NDF: 47.3/39

All: 108.545+/-218.653 χ^2/NDF: 77.0/80

\- 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: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

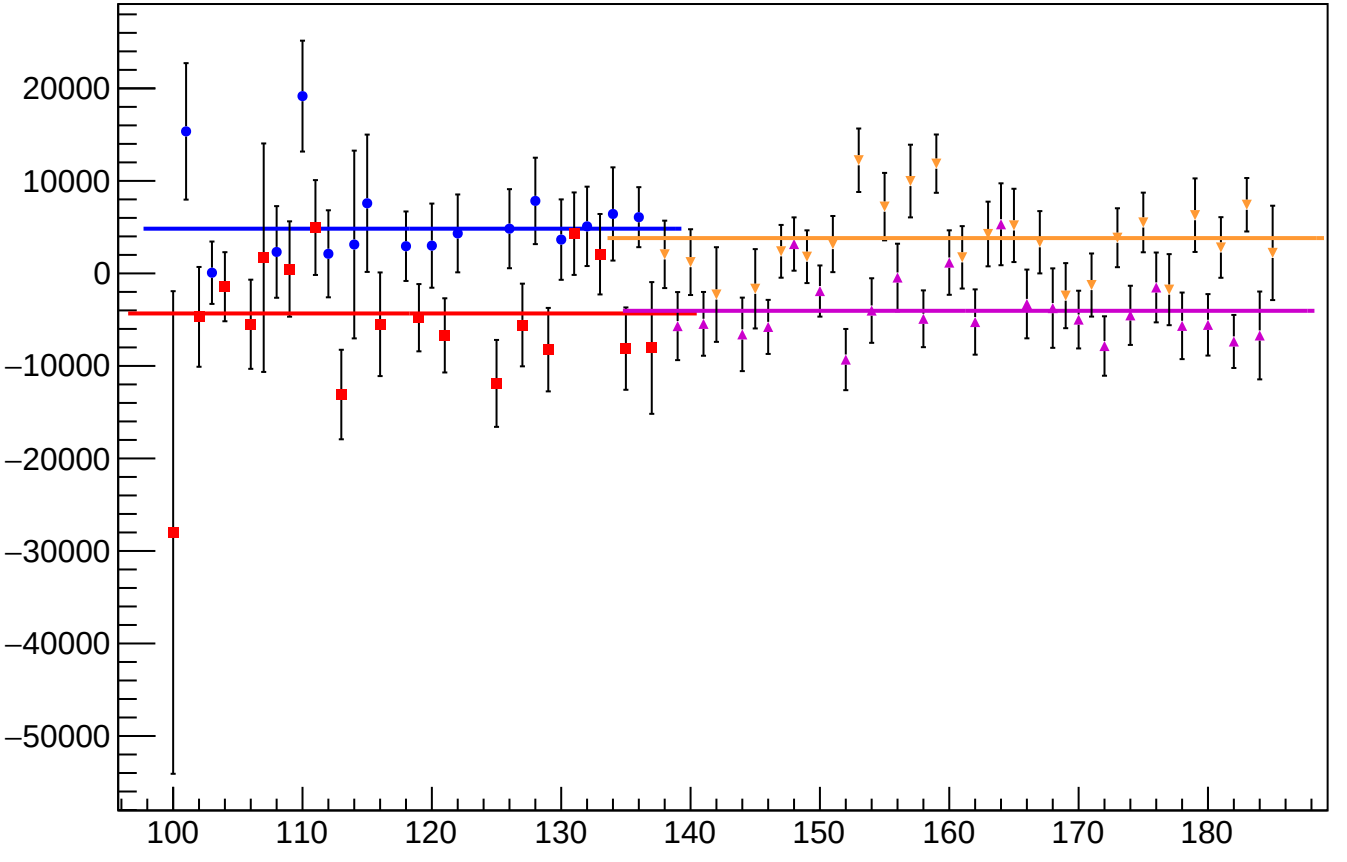
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1551.886+/-0.239 χ^2/NDF: 8692759.4/39

All: 1348.110+/-0.155 χ^2/NDF: 25469400.6/8

- 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: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

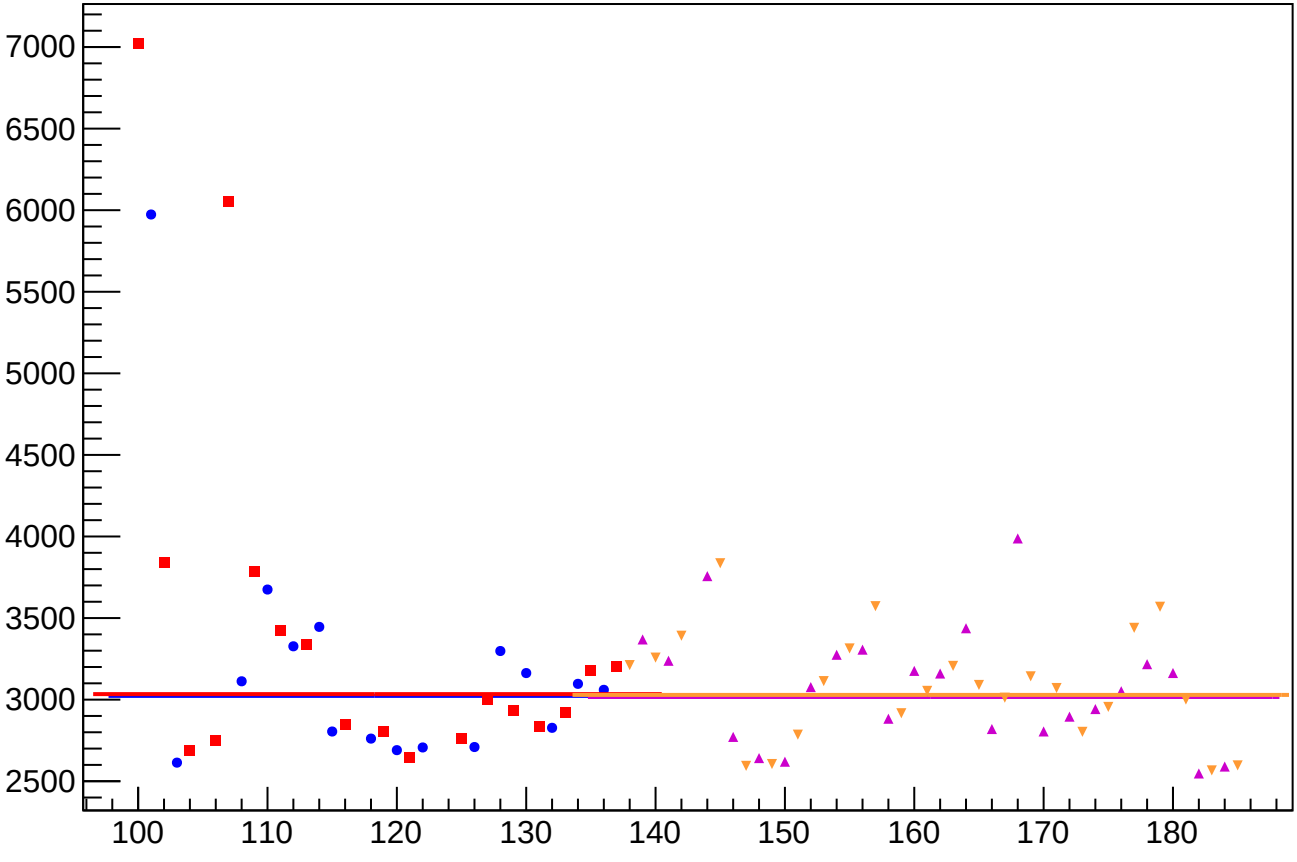
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4099.902+/-602.010 χ^2/NDF: 43.1/39

All: -3.705+/-426.063 χ^2/NDF: 178.7/80

- 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: 3028.983+/-0.501 χ^2/NDF:397111.2/23

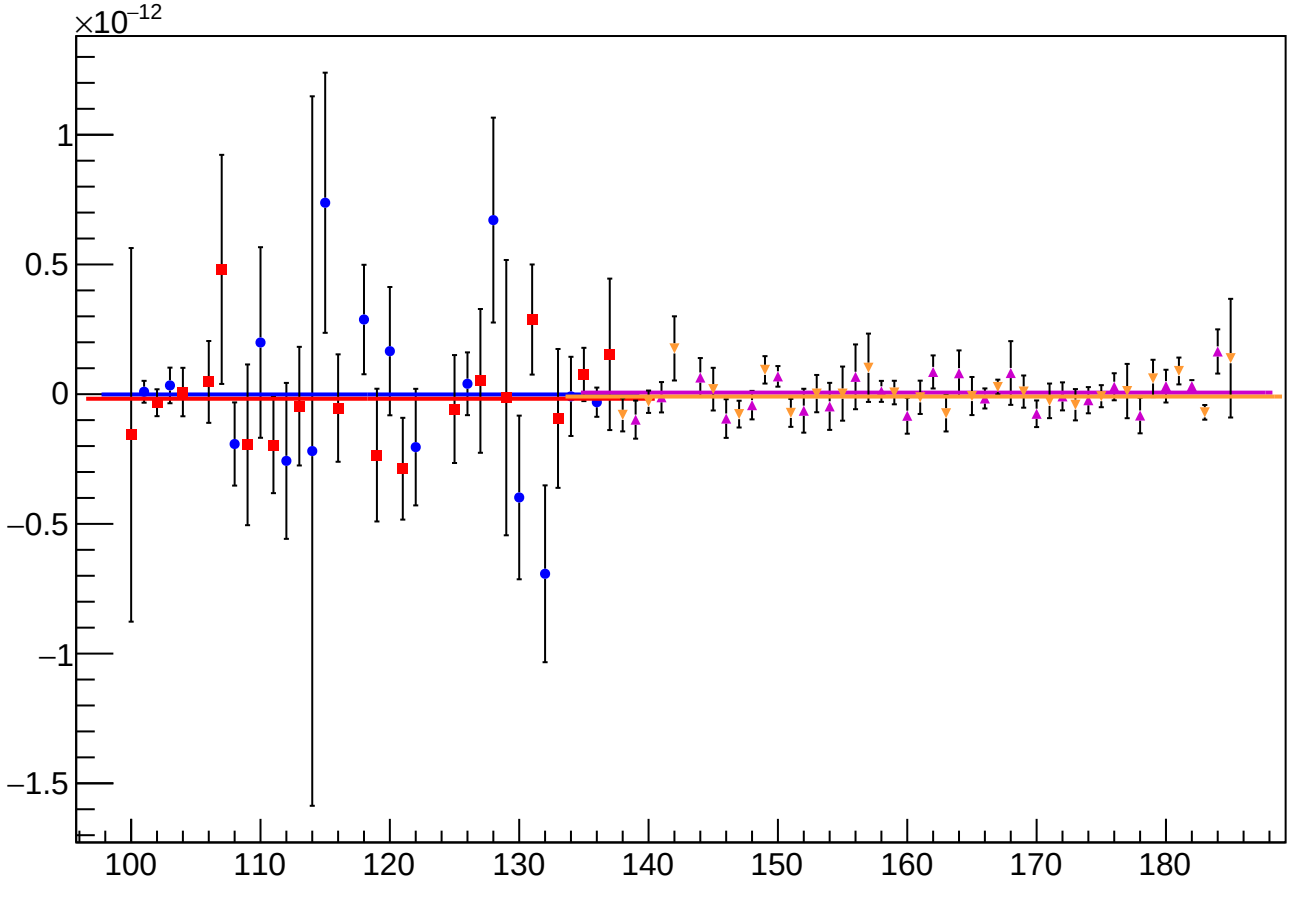
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3027.341+/-0.426 χ^2/NDF: 840855.7/39

All: 3024.247+/-0.301 χ^2/NDF: 1623876.3/80

- 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:24.2/23

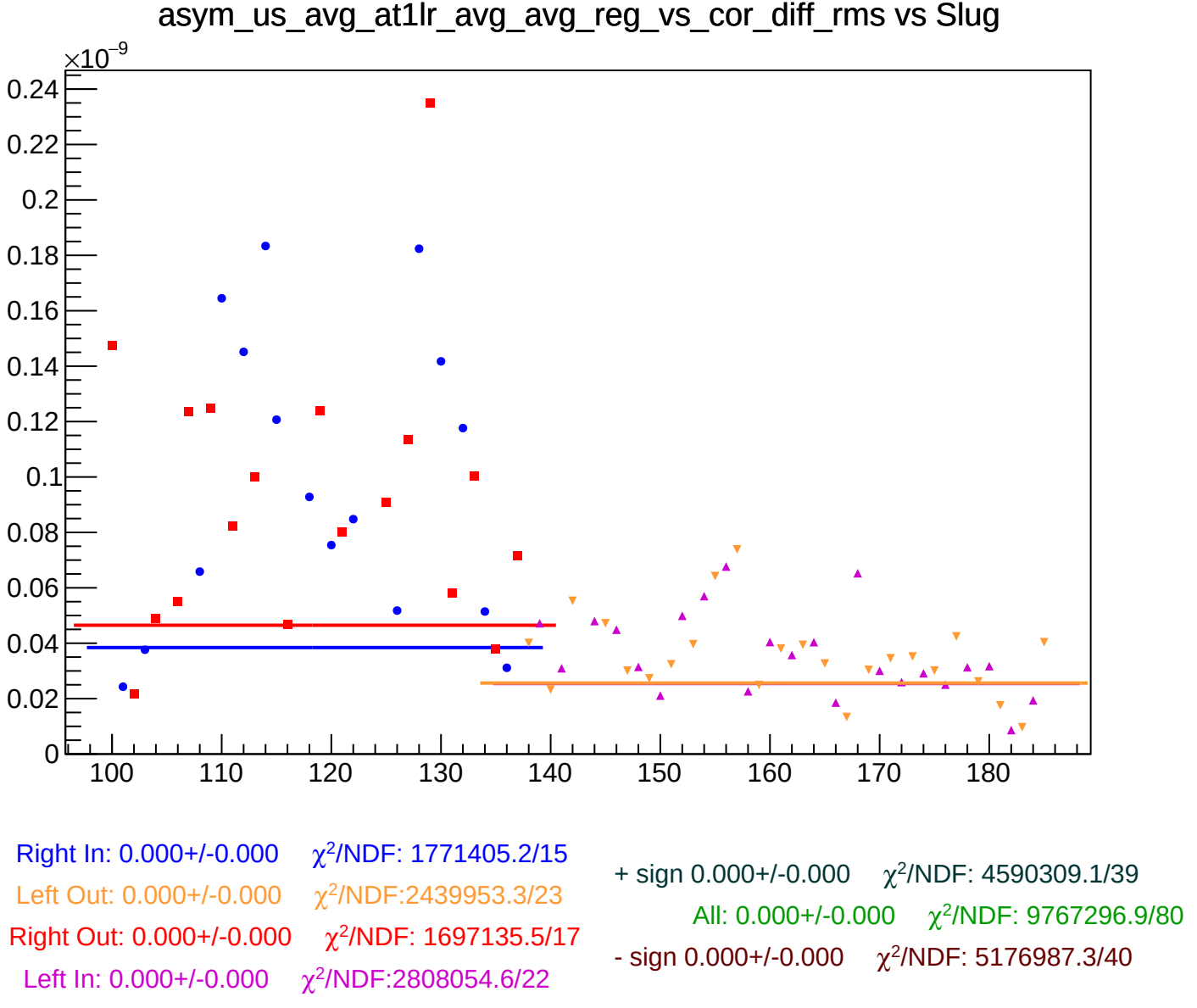
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

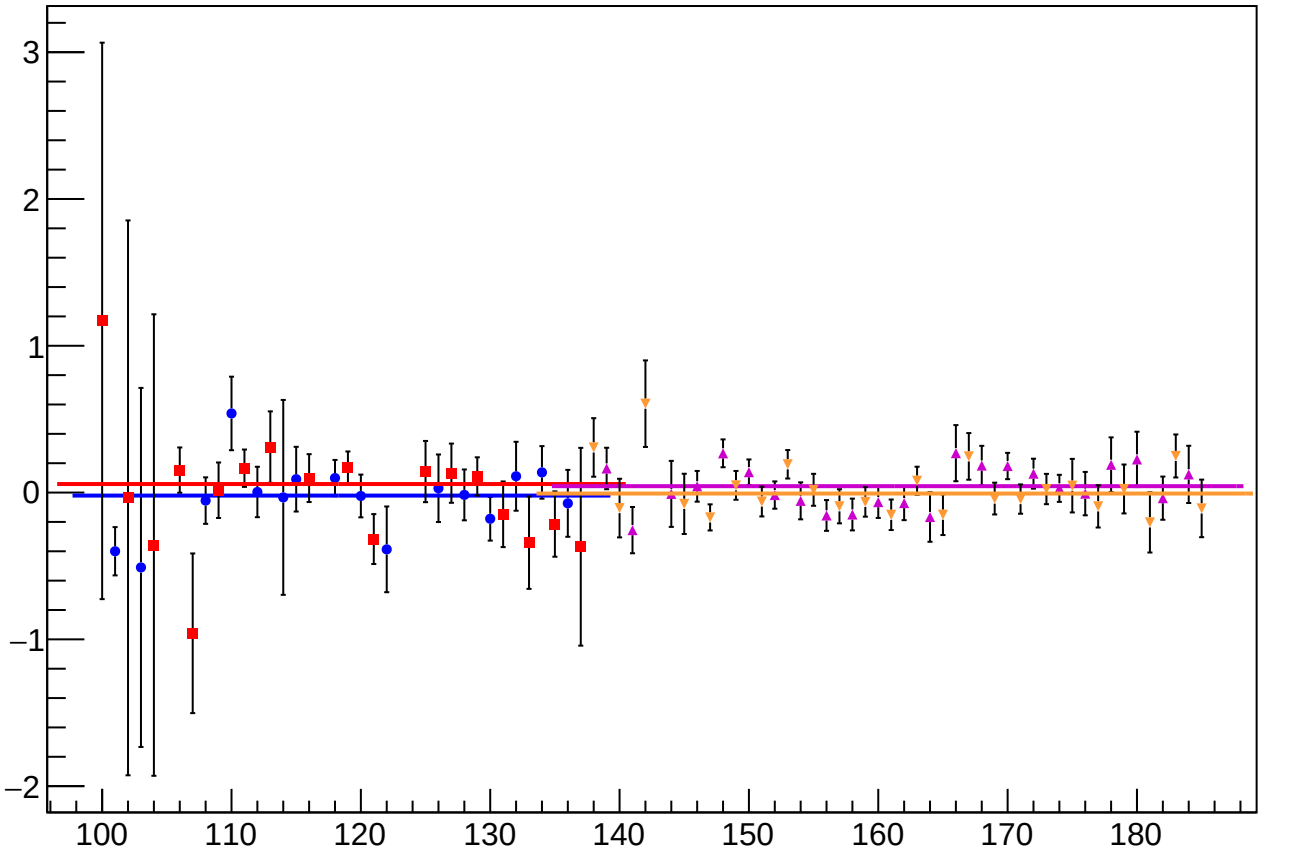
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/39

All: -0.000+/-0.000 χ^2/NDF: 74.7/80

- sign 0.000+/-0.000 χ^2/NDF: 32.7/40


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
+ sign 0.000+/-0.000 χ²/NDF: 4590309.1/39
All: 0.000+/-0.000 χ²/NDF: 9767296.9/80
- sign 0.000+/-0.000 χ²/NDF: 5176987.3/40



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

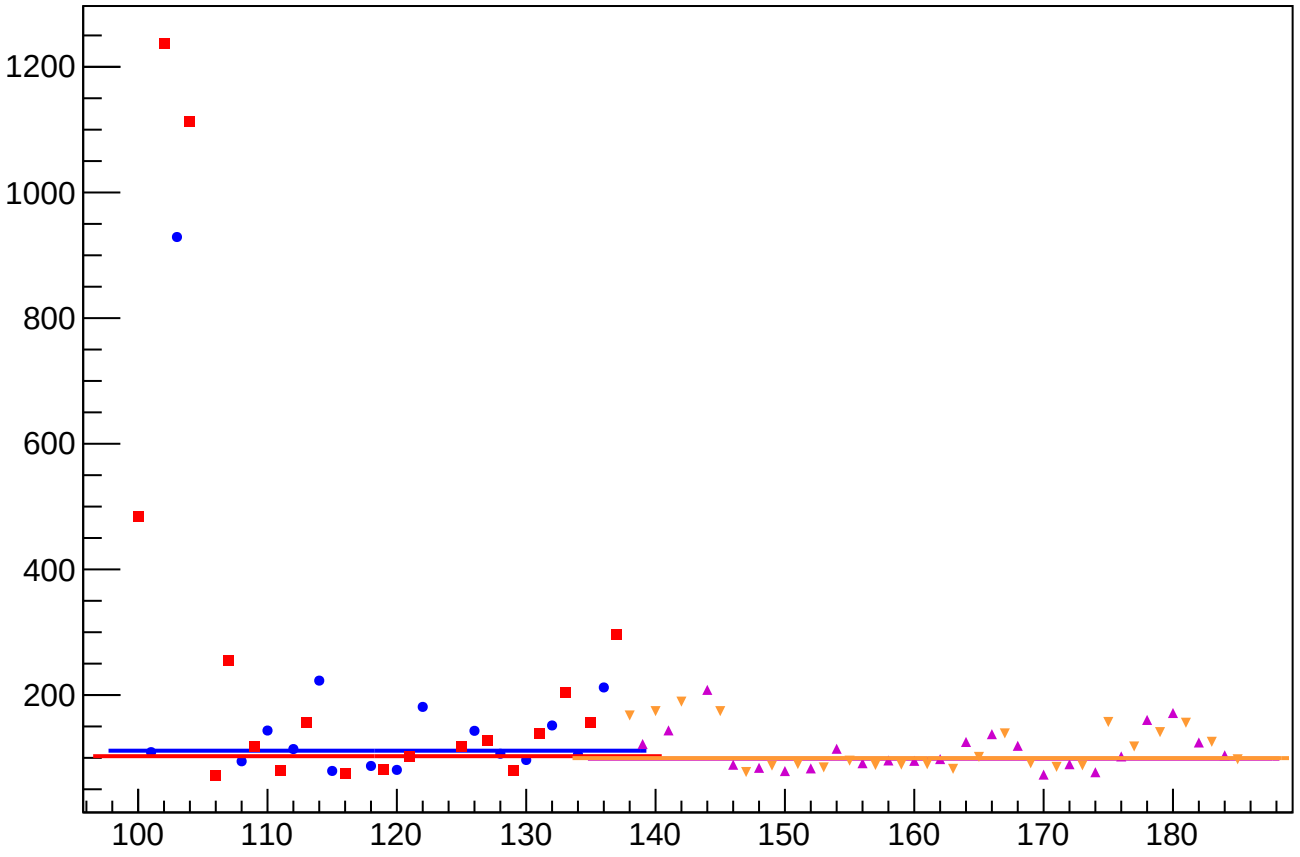
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.4/39

All: 0.019+/-0.016 χ^2/NDF: 93.8/80

- 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: 99.590+/-0.018 χ^2/NDF:2070986.6/23

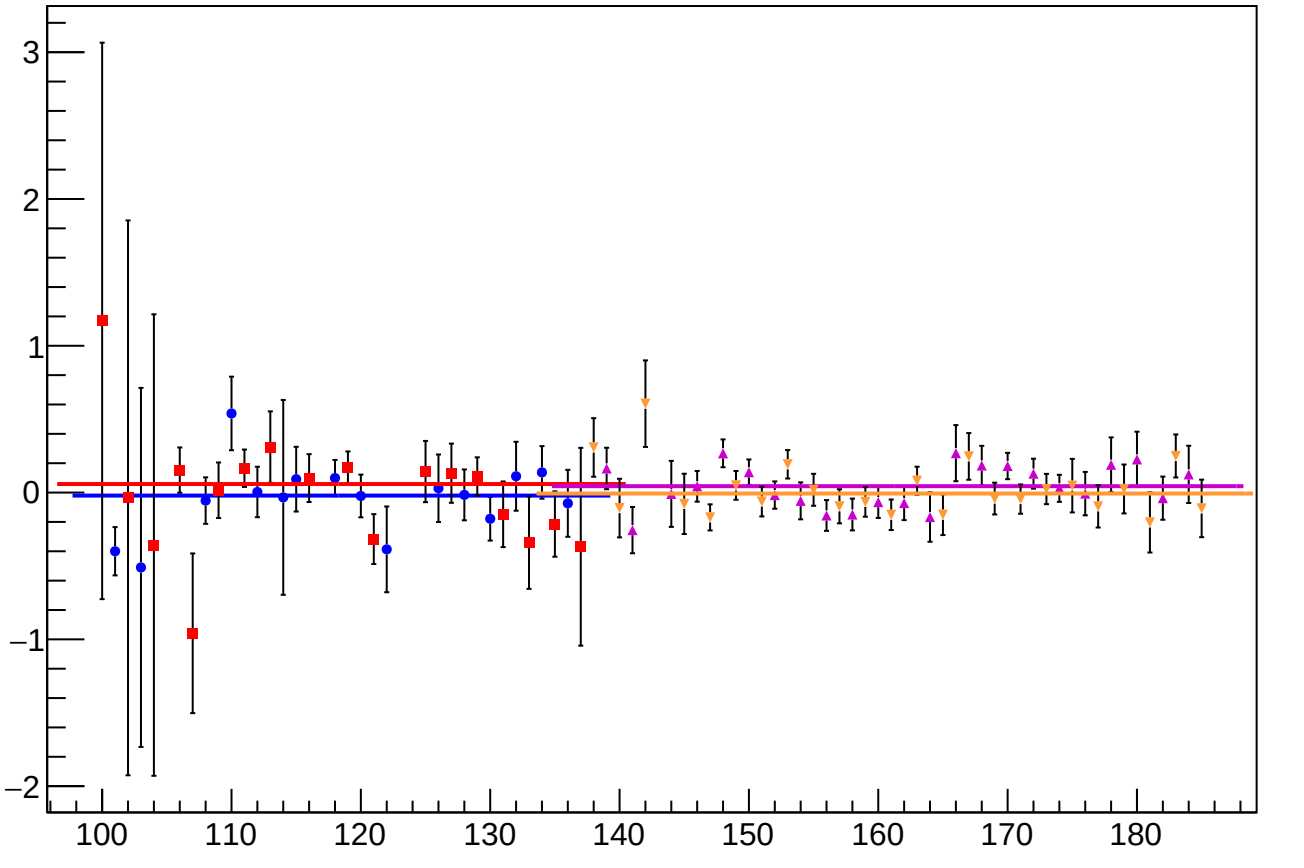
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.194+/-0.016 χ^2/NDF: 4006333.5/39

All: 100.865+/-0.011 χ^2/NDF: 8862004.9/80

- 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: -0.007+/-0.025 χ^2/NDF:27.7/23

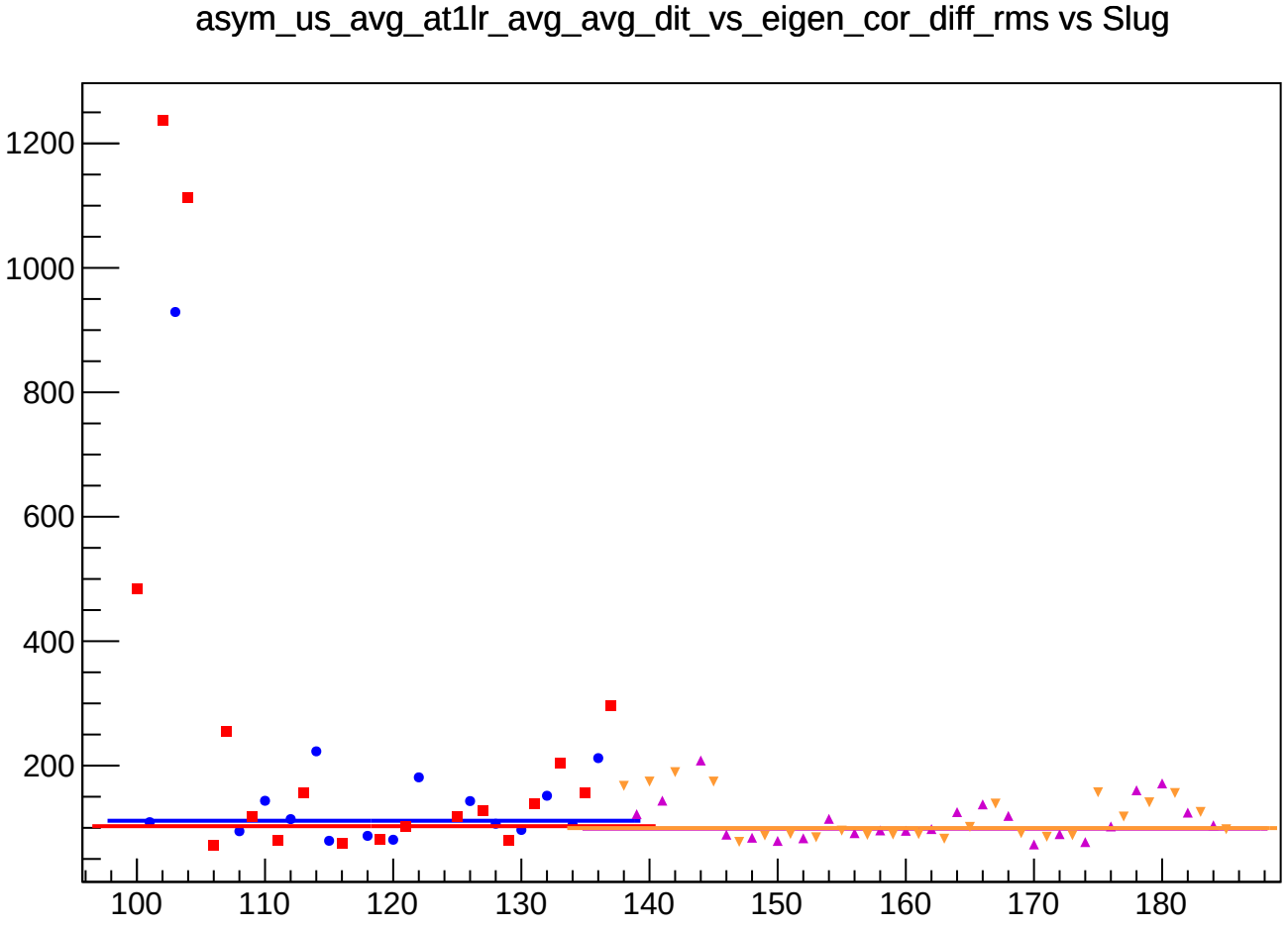
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.4/39

All: 0.019+/-0.016 χ^2/NDF: 93.8/80

- 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: 99.590+/-0.018 χ^2/NDF:2070986.6/23

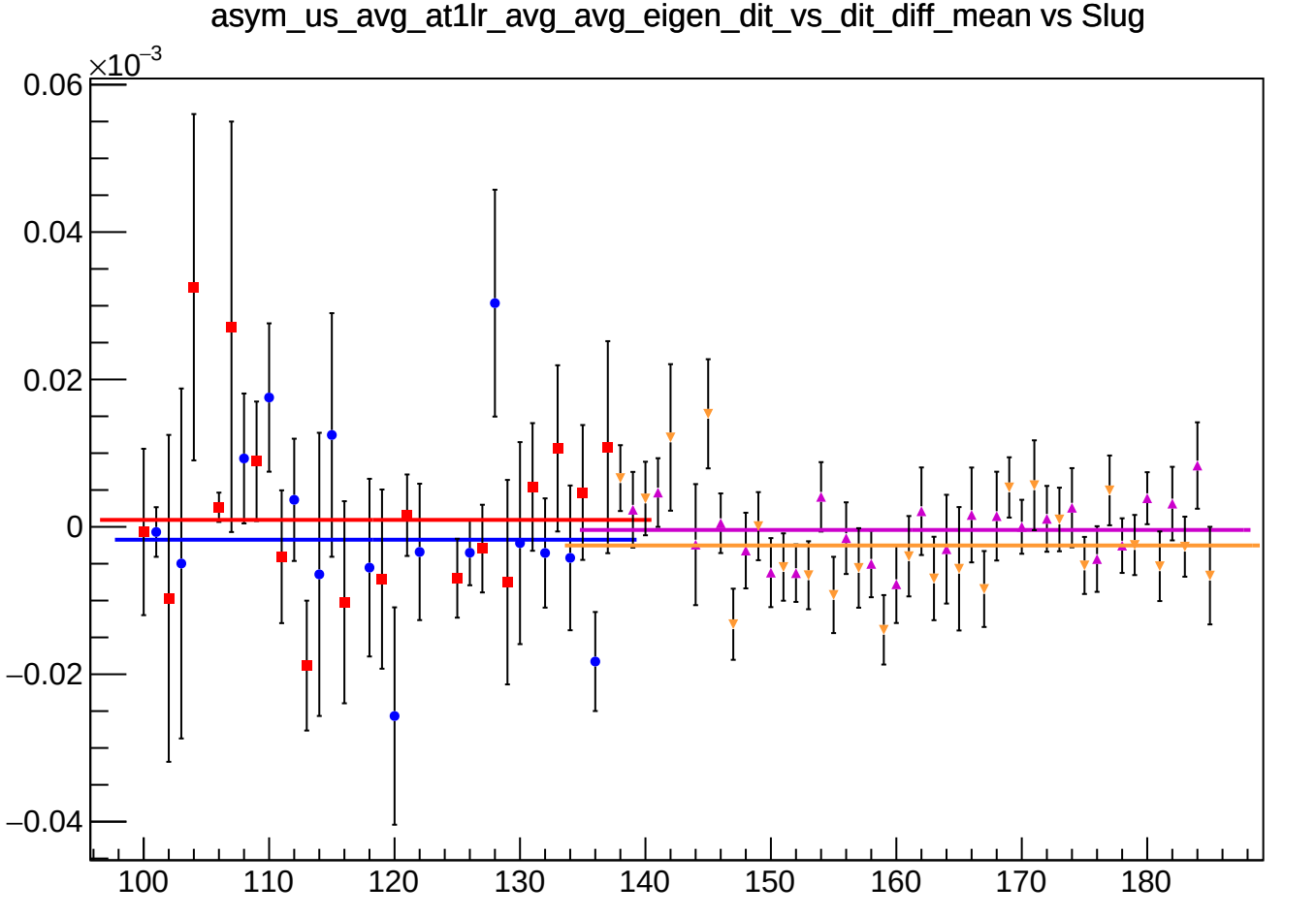
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.194+/-0.016 χ^2/NDF: 4006333.5/39

All: 100.865+/-0.011 χ^2/NDF: 8862004.9/80

- sign 99.573+/-0.016 χ^2/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:40.2/23

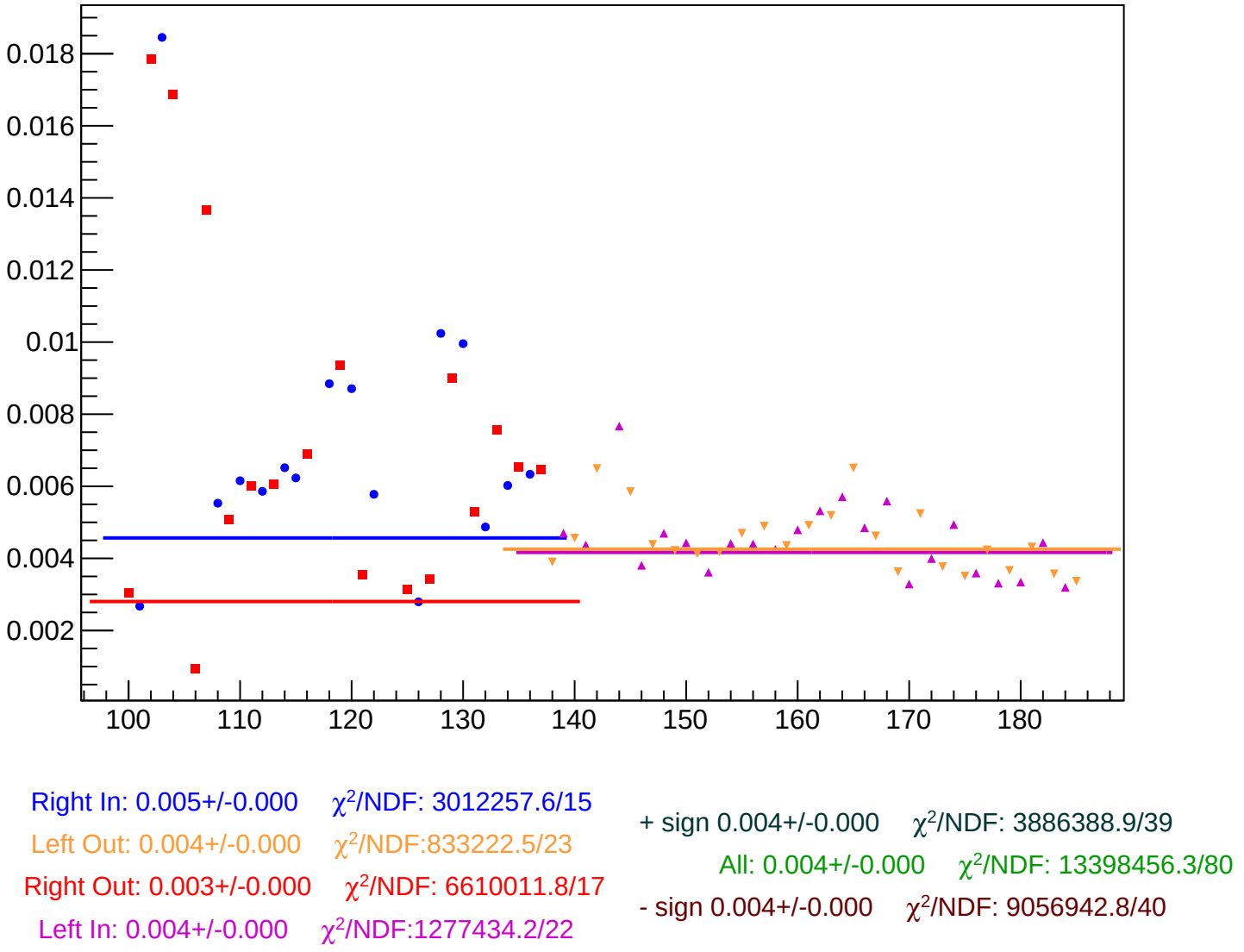
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

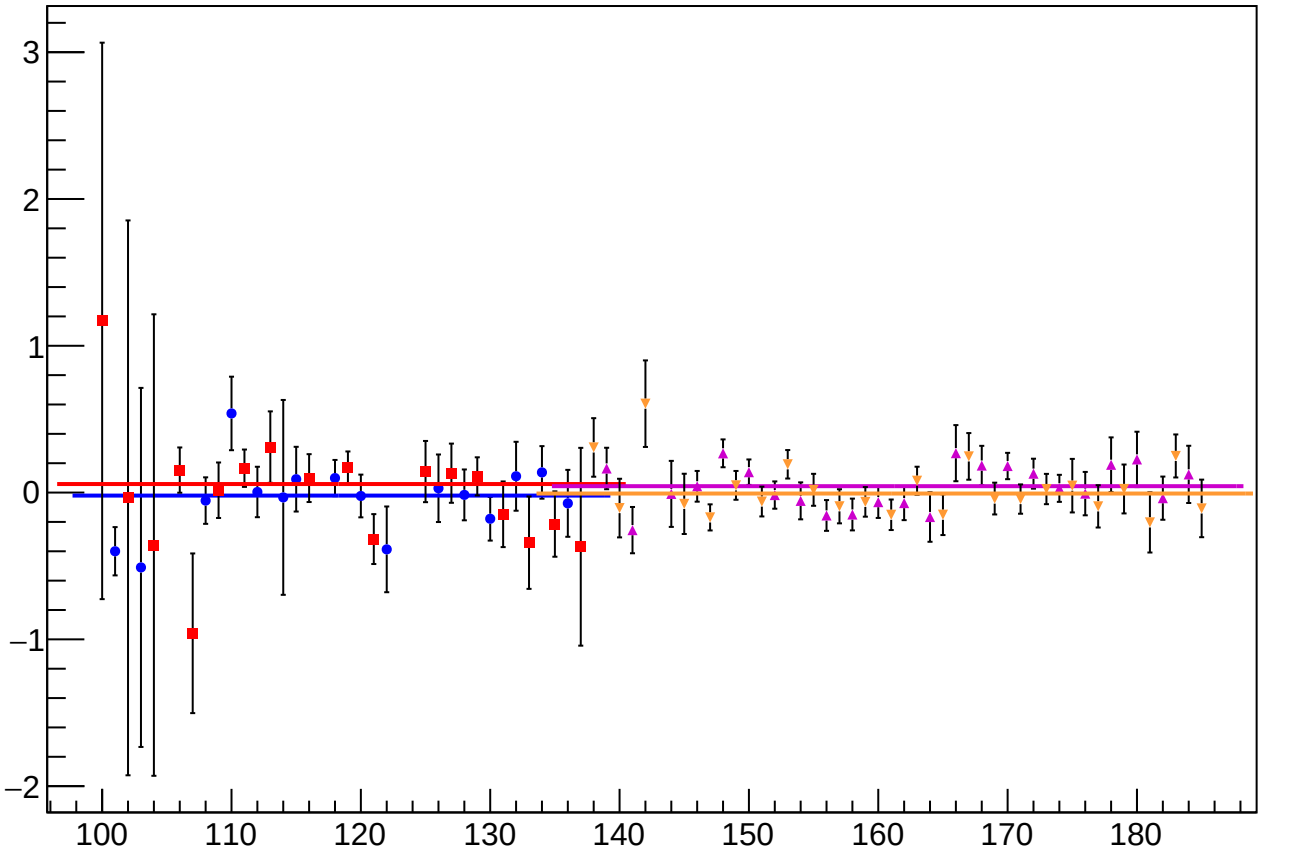
Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.3/39

All: -0.000+/-0.000 χ^2/NDF: 96.3/80

- sign 0.000+/-0.000 χ^2/NDF: 32.2/40


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:833222.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:1277434.2/22
+ sign 0.004+/-0.000 χ²/NDF: 3886388.9/39
All: 0.004+/-0.000 χ²/NDF: 13398456.3/80
- sign 0.004+/-0.000 χ²/NDF: 9056942.8/40



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

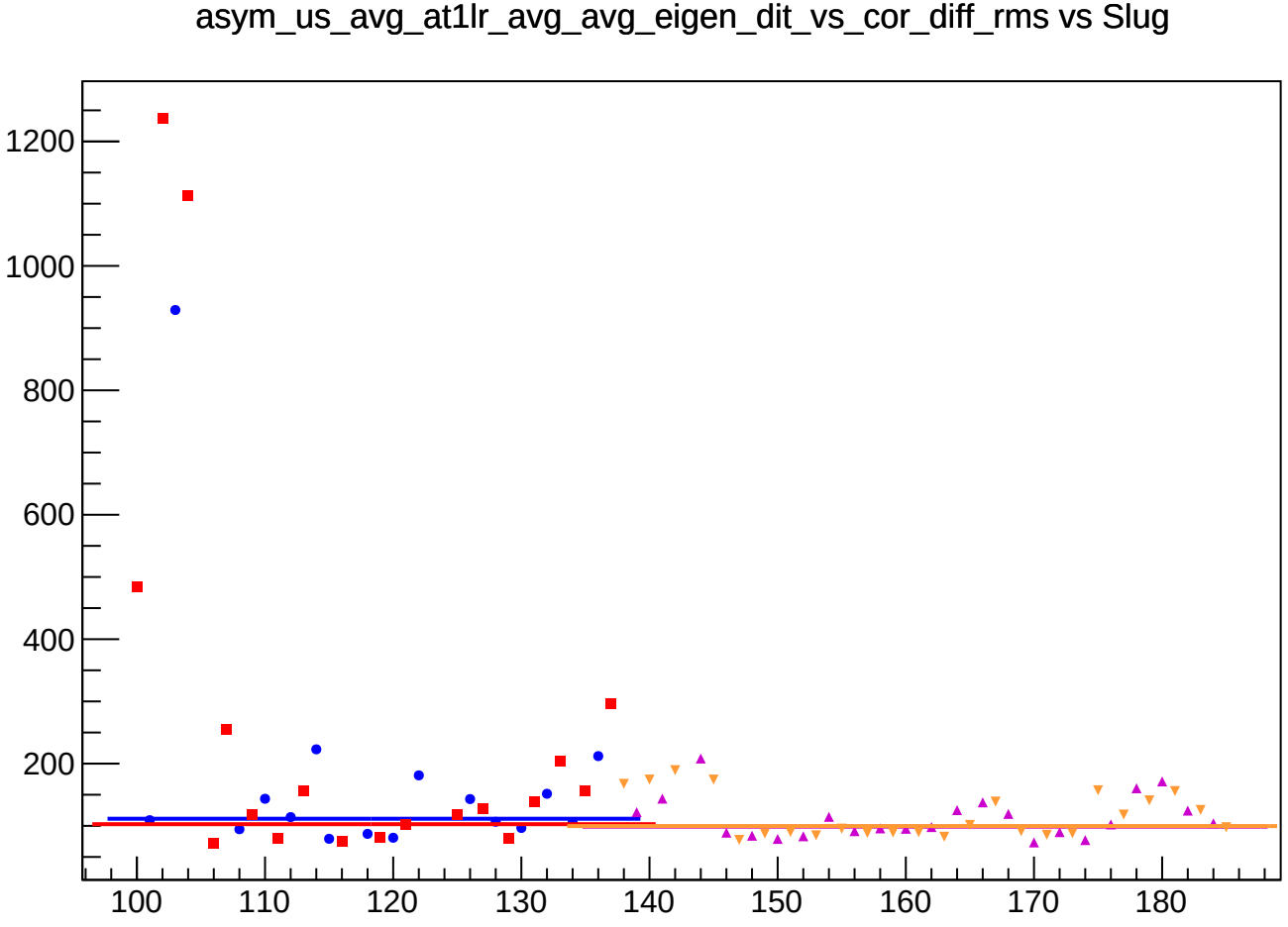
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.4/39

All: 0.019+/-0.016 χ^2/NDF: 93.8/80

- sign 0.047+/-0.022 χ^2/NDF: 47.2/40



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

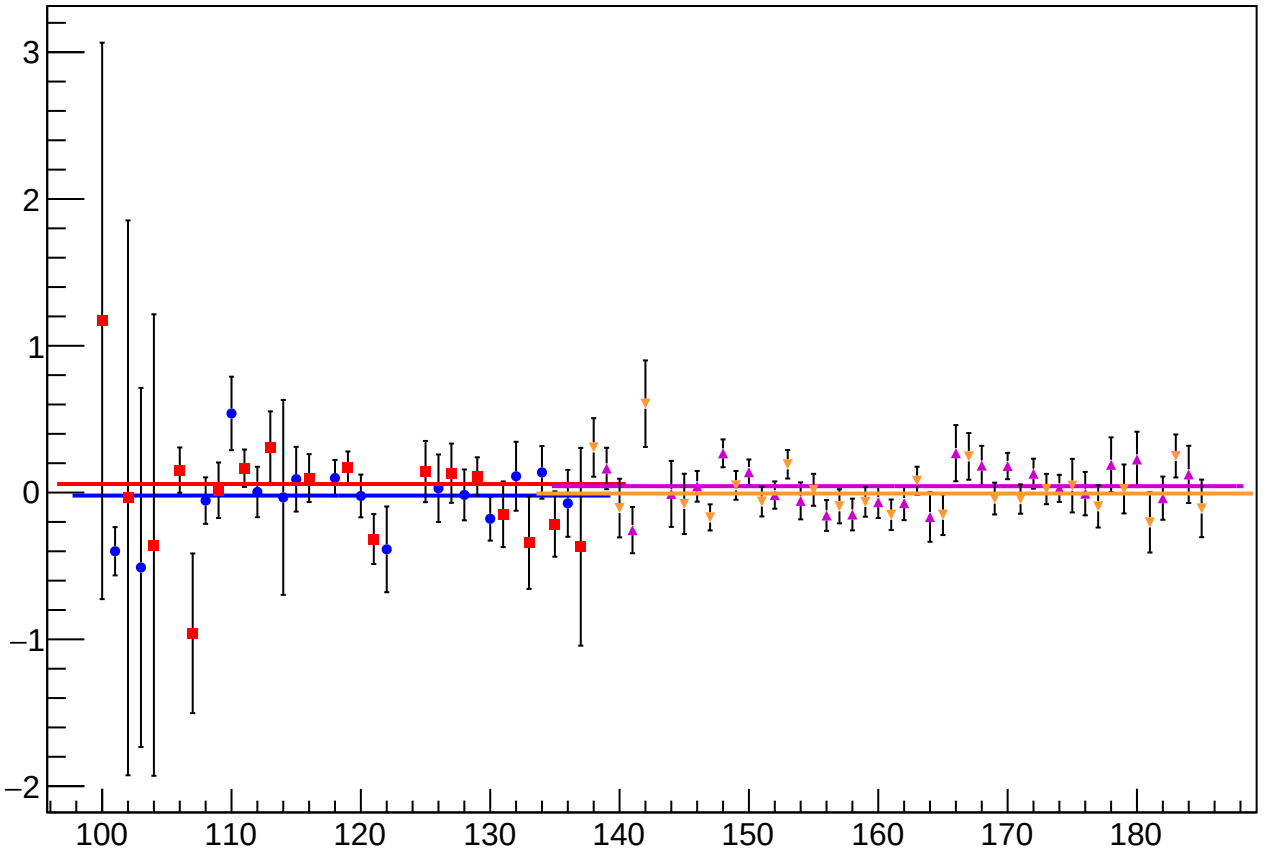
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.194+/-0.016 χ^2/NDF: 4006292.2/39

All: 100.865+/-0.011 χ^2/NDF: 8861916.2/80

- 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: -0.007+/-0.025 χ^2/NDF:27.7/23

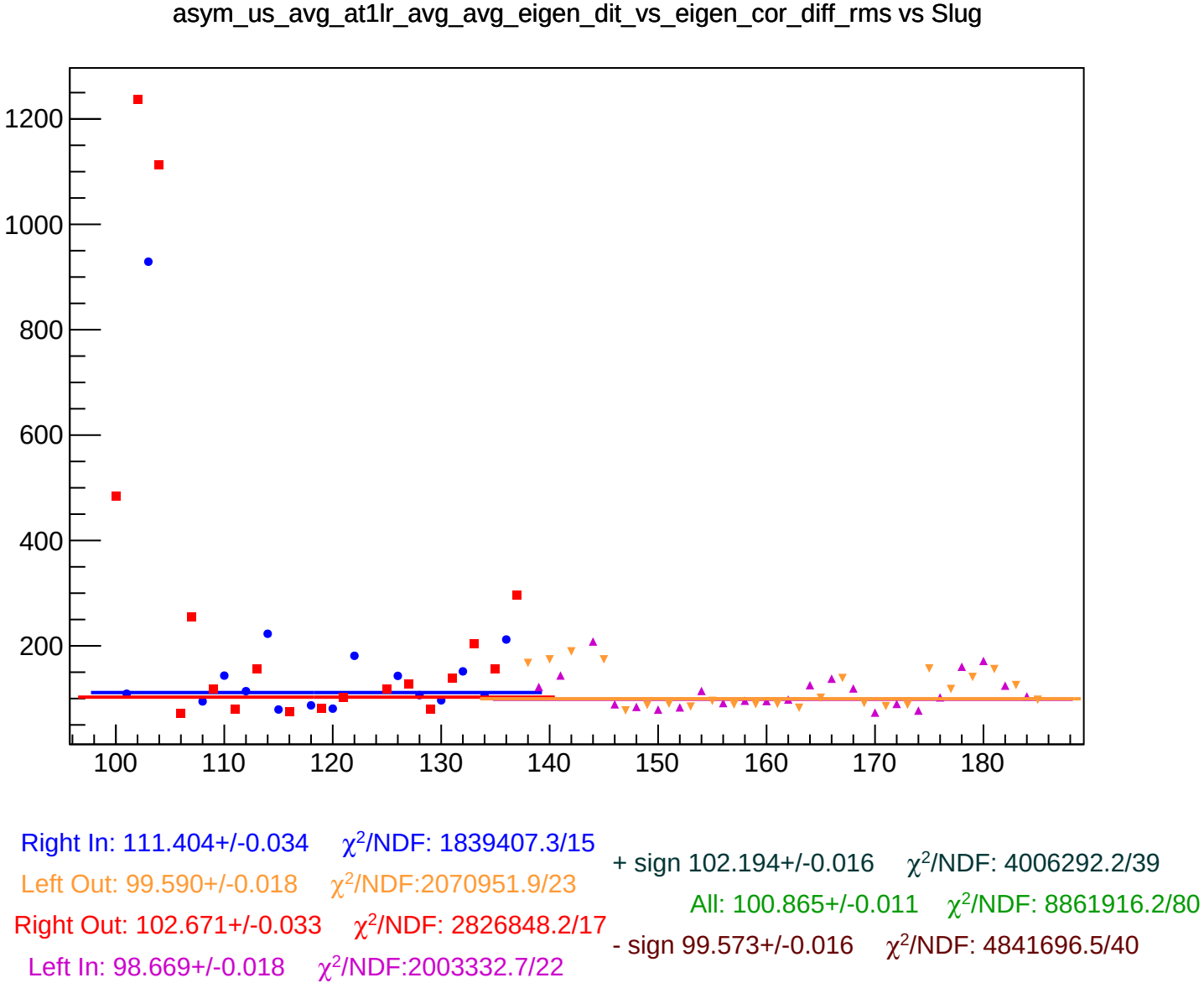
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

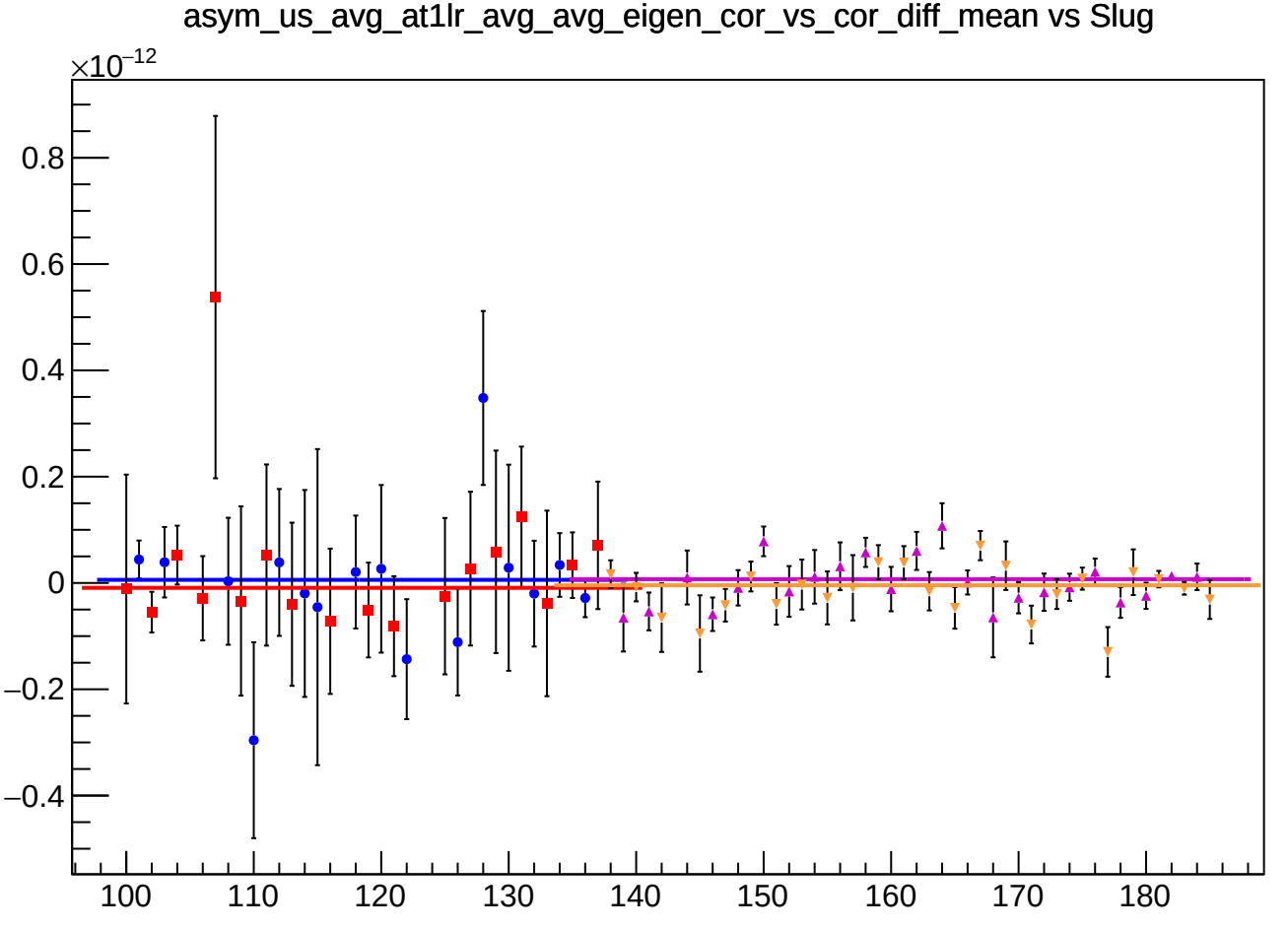
Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.4/39

All: 0.019+/-0.016 χ^2/NDF: 93.8/80

- 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
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 102.194+/-0.016 χ²/NDF: 4006292.2/39
All: 100.865+/-0.011 χ²/NDF: 8861916.2/80
- 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:32.9/23

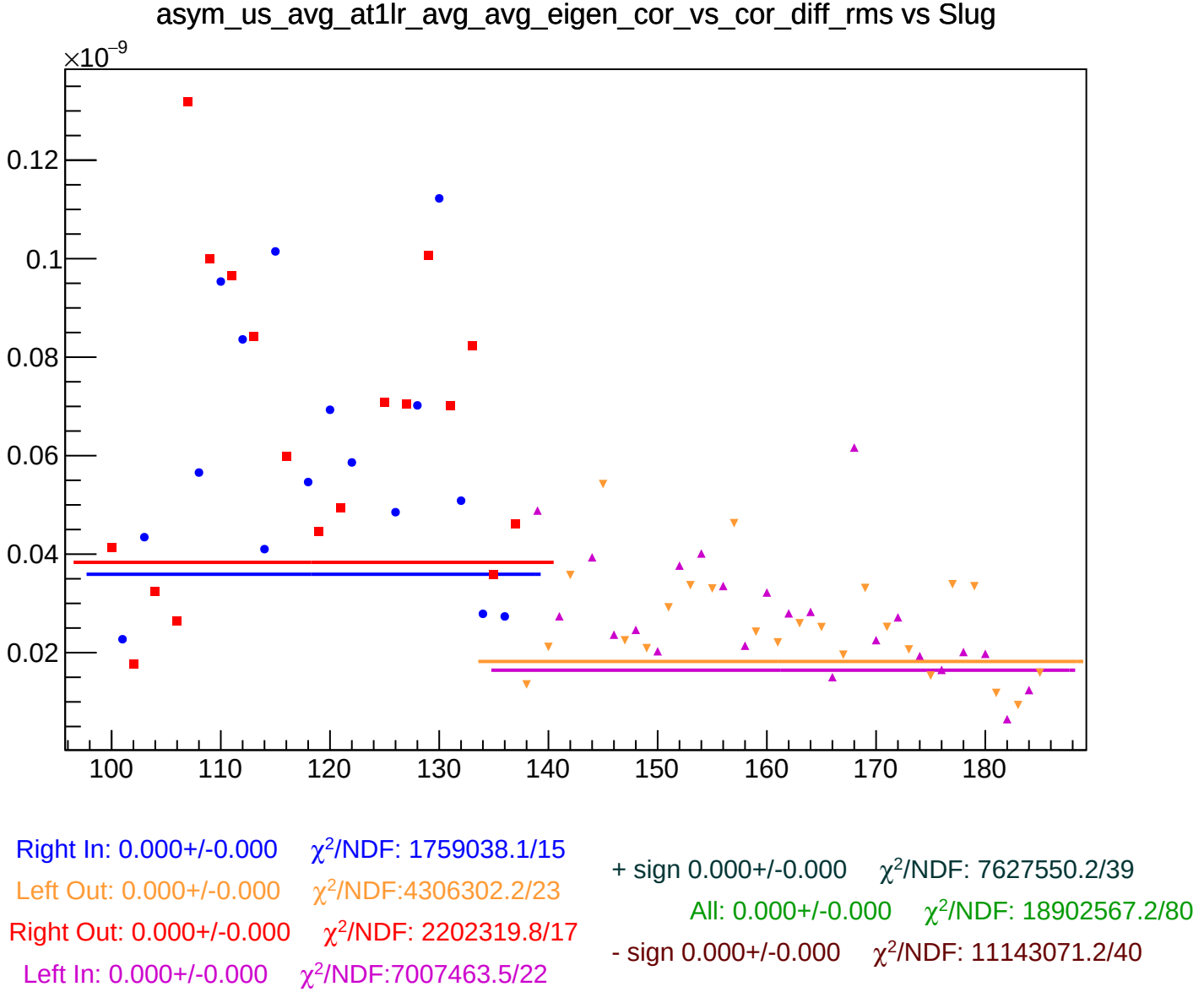
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

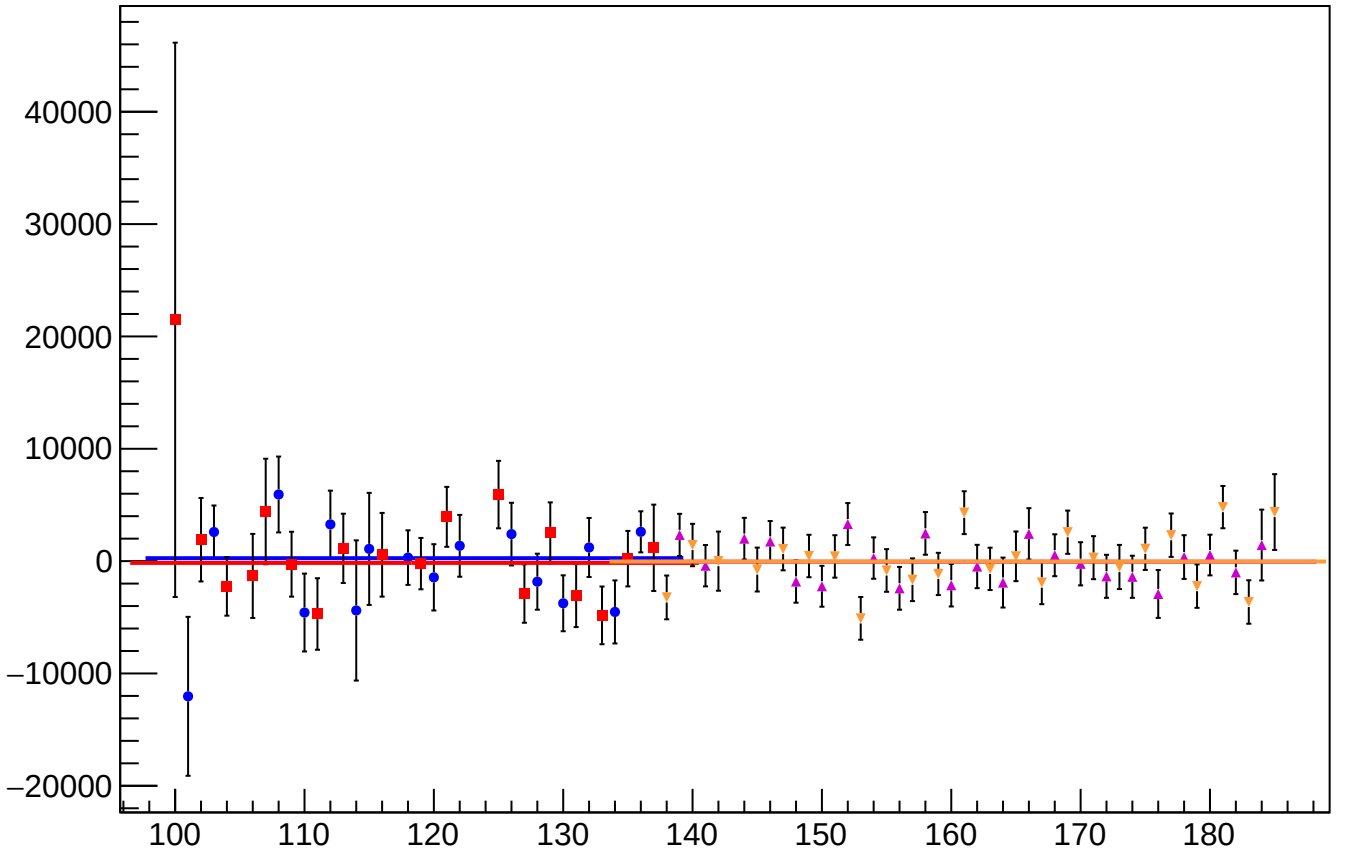
Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.1/39

All: 0.000+/-0.000 χ^2/NDF: 92.1/80

- 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:4306302.2/23
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: 7627550.2/39
All: 0.000+/-0.000 χ²/NDF: 18902567.2/80
- sign 0.000+/-0.000 χ²/NDF: 11143071.2/40



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

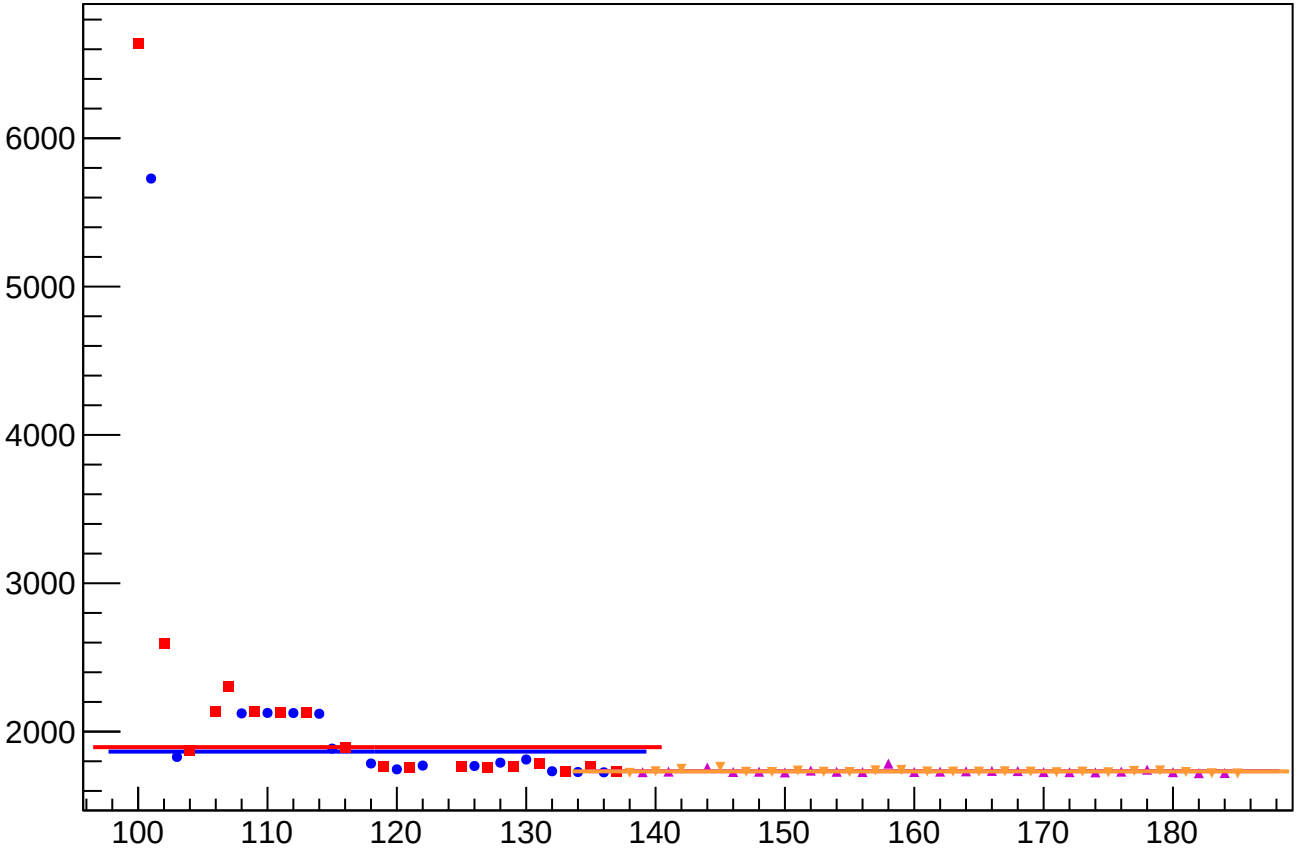
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 36.682+/-349.764 χ^2/NDF: 54.9/39

All: -20.708+/-248.064 χ^2/NDF: 92.5/80

- 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: 1731.985+/-0.284 χ^2/NDF:937.2/23

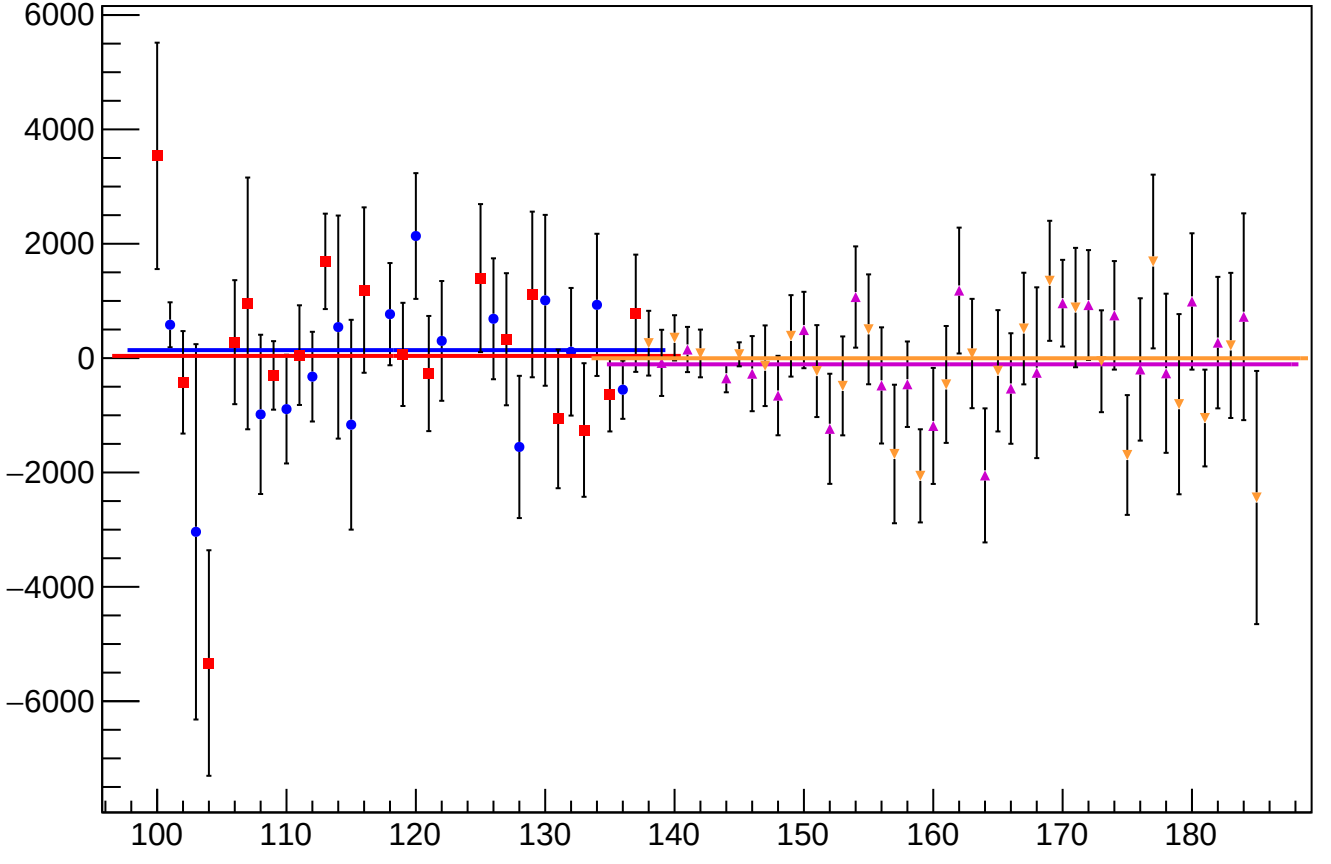
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.334+/-0.247 χ^2/NDF: 726989.8/39

All: 1768.557+/-0.175 χ^2/NDF: 1058753.4/80

- 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: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

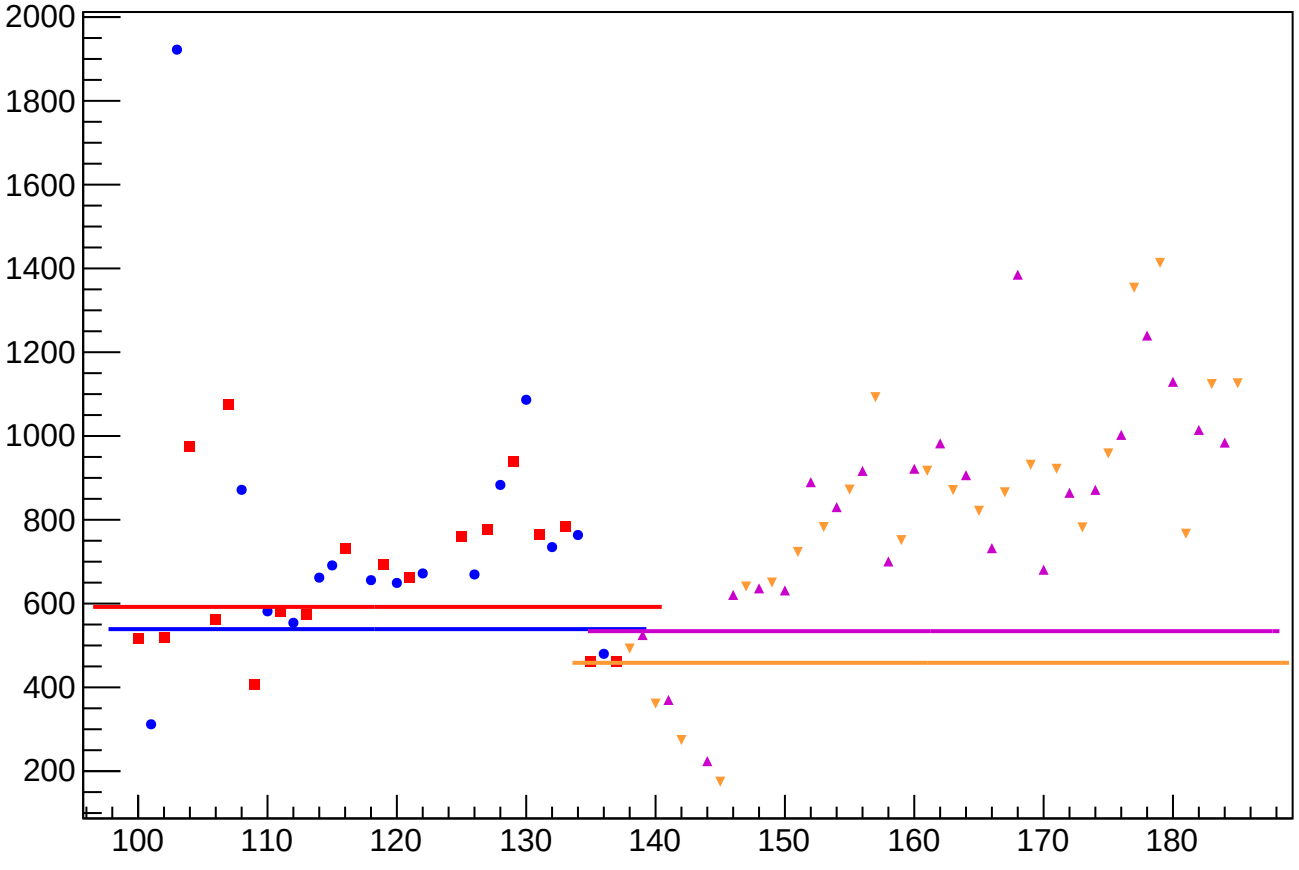
Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 34.394+/-111.967 χ^2/NDF: 34.0/39

All: -12.686+/-82.740 χ^2/NDF: 73.1/80

- sign -69.325+/-122.809 χ^2/NDF: 38.7/40

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

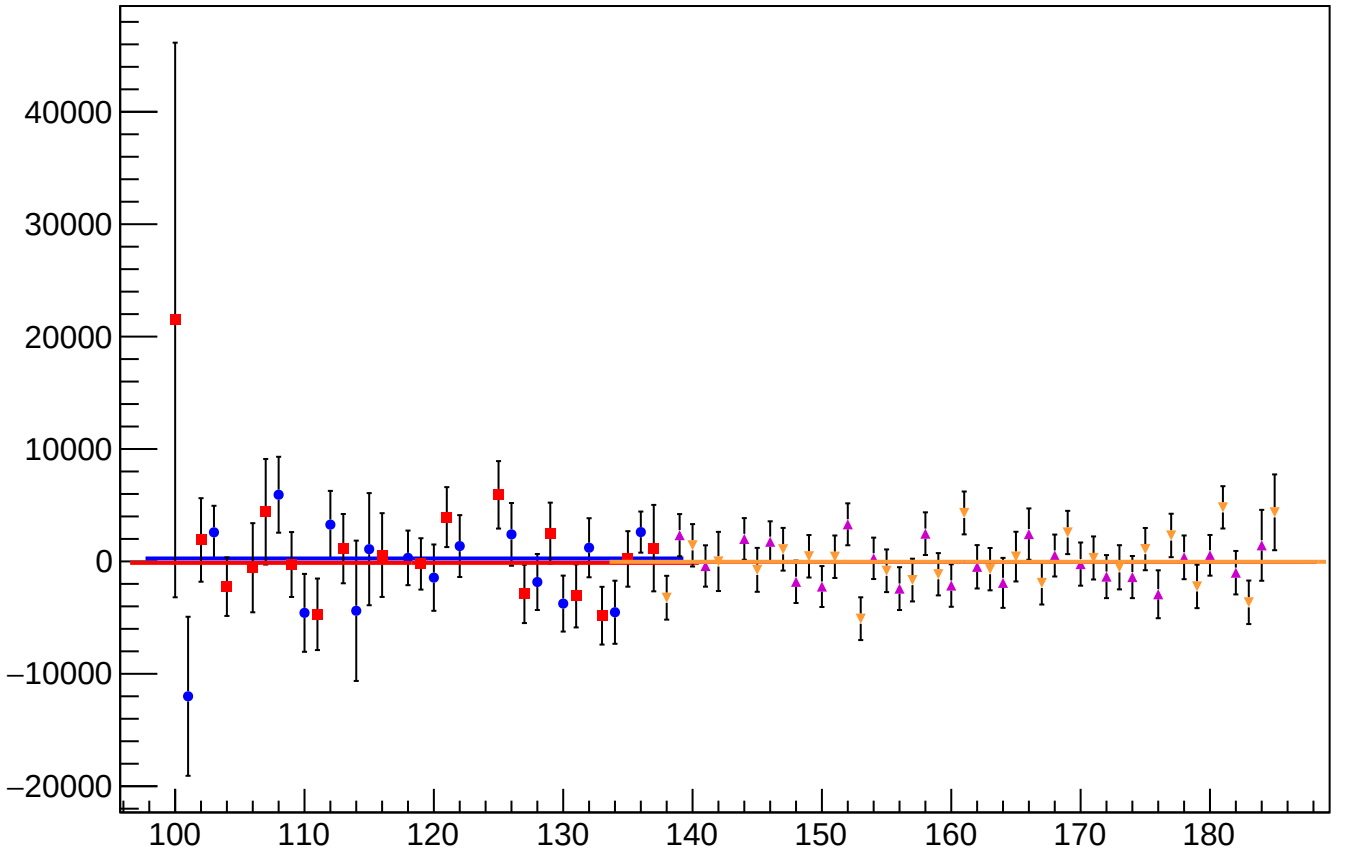
Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 479.395+/-0.079 χ^2/NDF: 13479302.8/39

All: 511.242+/-0.059 χ^2/NDF: 23208977.3/80

- sign 549.555+/-0.087 χ^2/NDF: 9373213.5/40



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

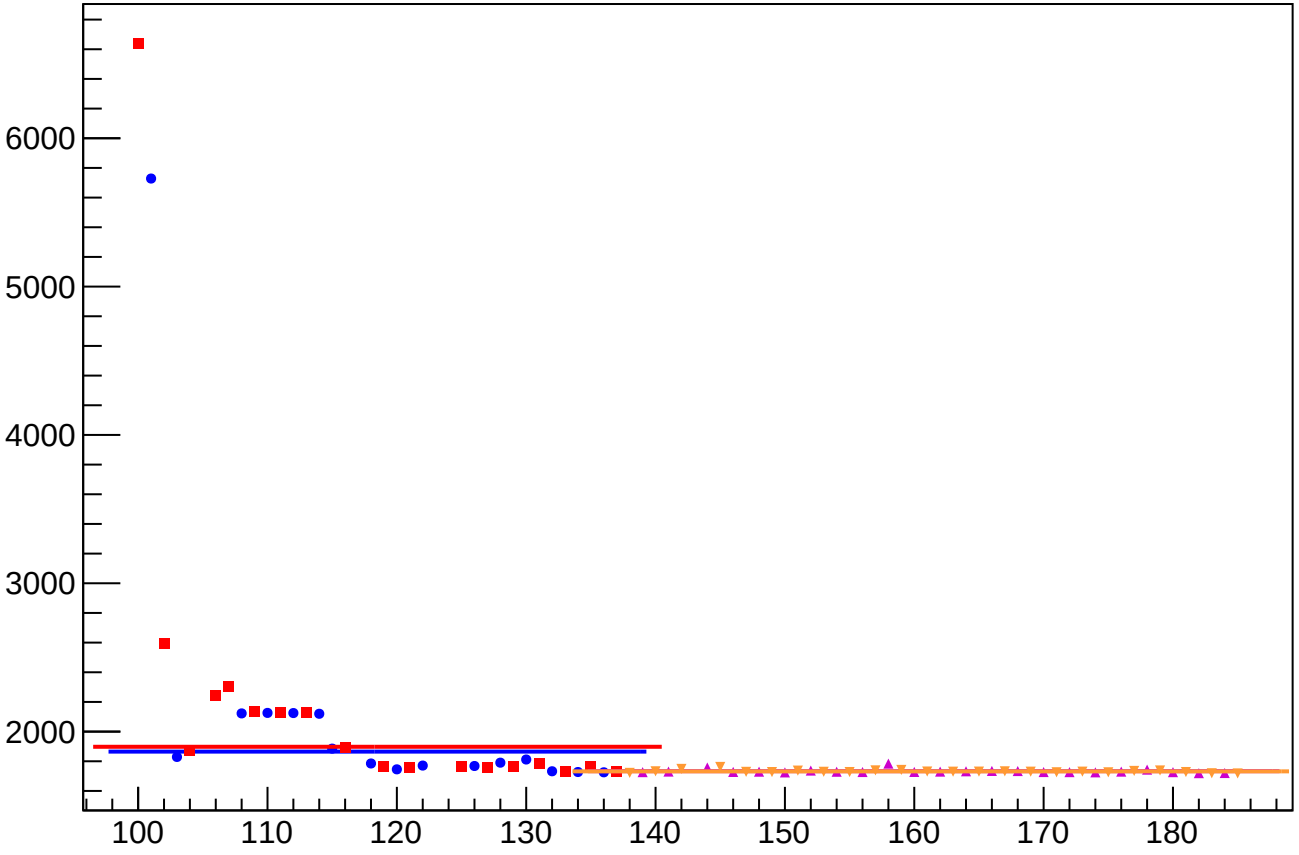
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 36.771+/-349.764 χ^2/NDF: 54.9/39

All: -17.027+/-248.123 χ^2/NDF: 92.4/80

- 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: 1731.985+/-0.284 χ^2/NDF:937.2/23

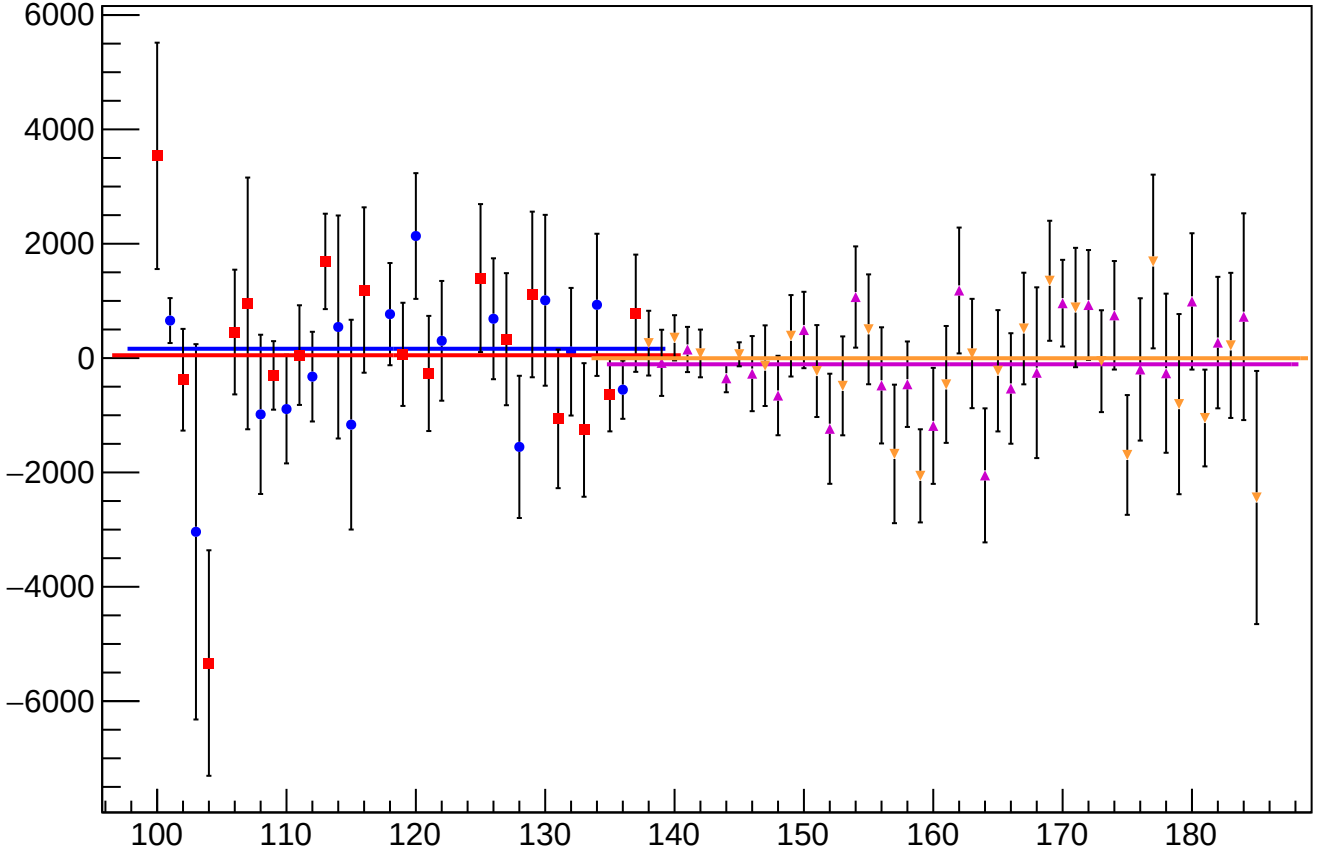
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

\+ sign 1764.334+/-0.247 χ^2/NDF: 726989.6/39

All: 1768.793+/-0.175 χ^2/NDF: 1067891.7/80

\- 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: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

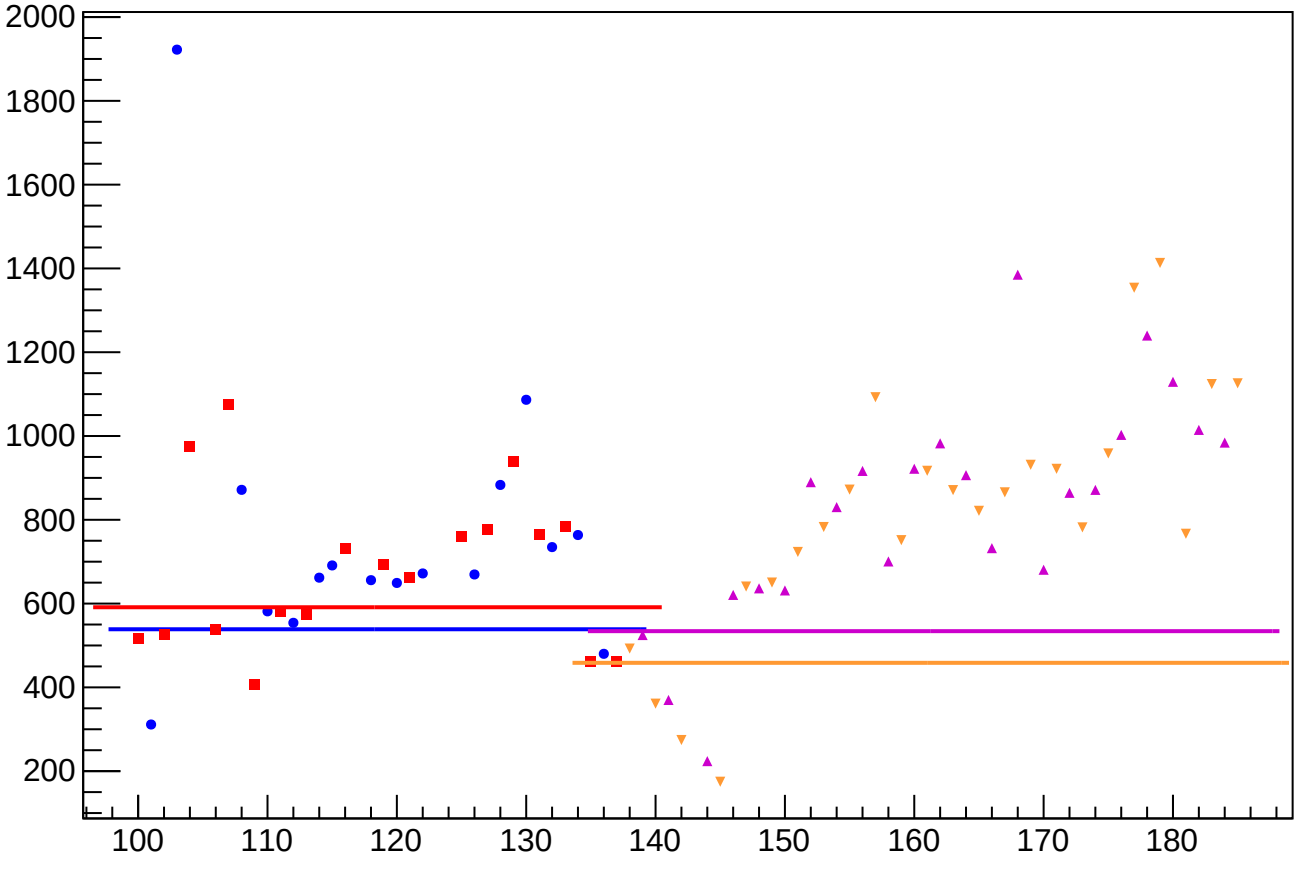
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

\+ sign 40.369+/-111.958 χ^2/NDF: 34.6/39

All: -8.081+/-82.735 χ^2/NDF: 73.8/80

\- 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: 458.589+/-0.092 χ^2/NDF:11426319.1/23

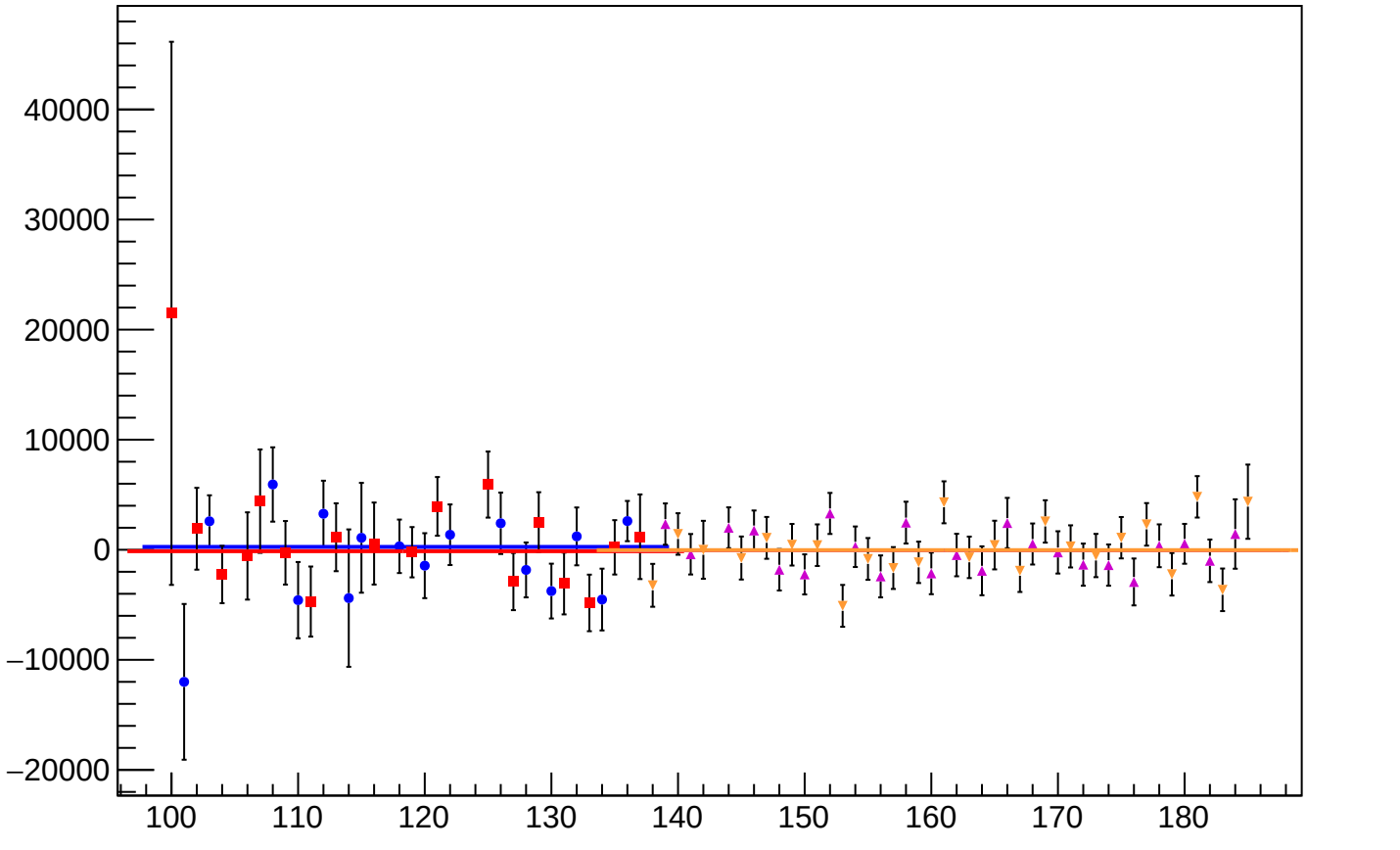
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

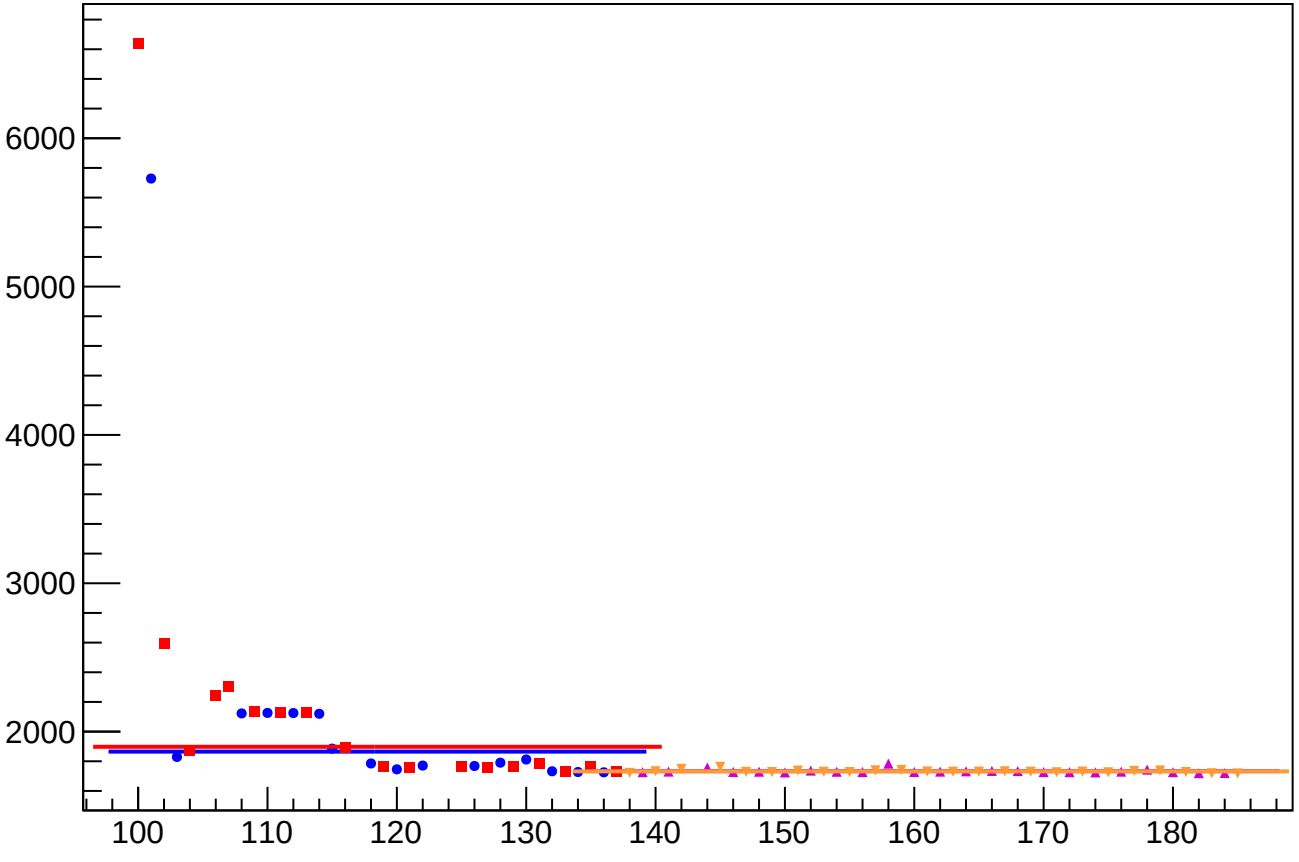
+ sign 479.333+/-0.079 χ^2/NDF: 13481715.7/39

All: 511.108+/-0.059 χ^2/NDF: 23208301.8/80

- 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: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -52.714+/-404.703 χ²/NDF:19.4/22
+ sign 36.771+/-349.764 χ²/NDF: 54.9/39
All: -17.027+/-248.123 χ²/NDF: 92.4/80
- 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: 1731.985+/-0.284 χ^2/NDF:937.2/23

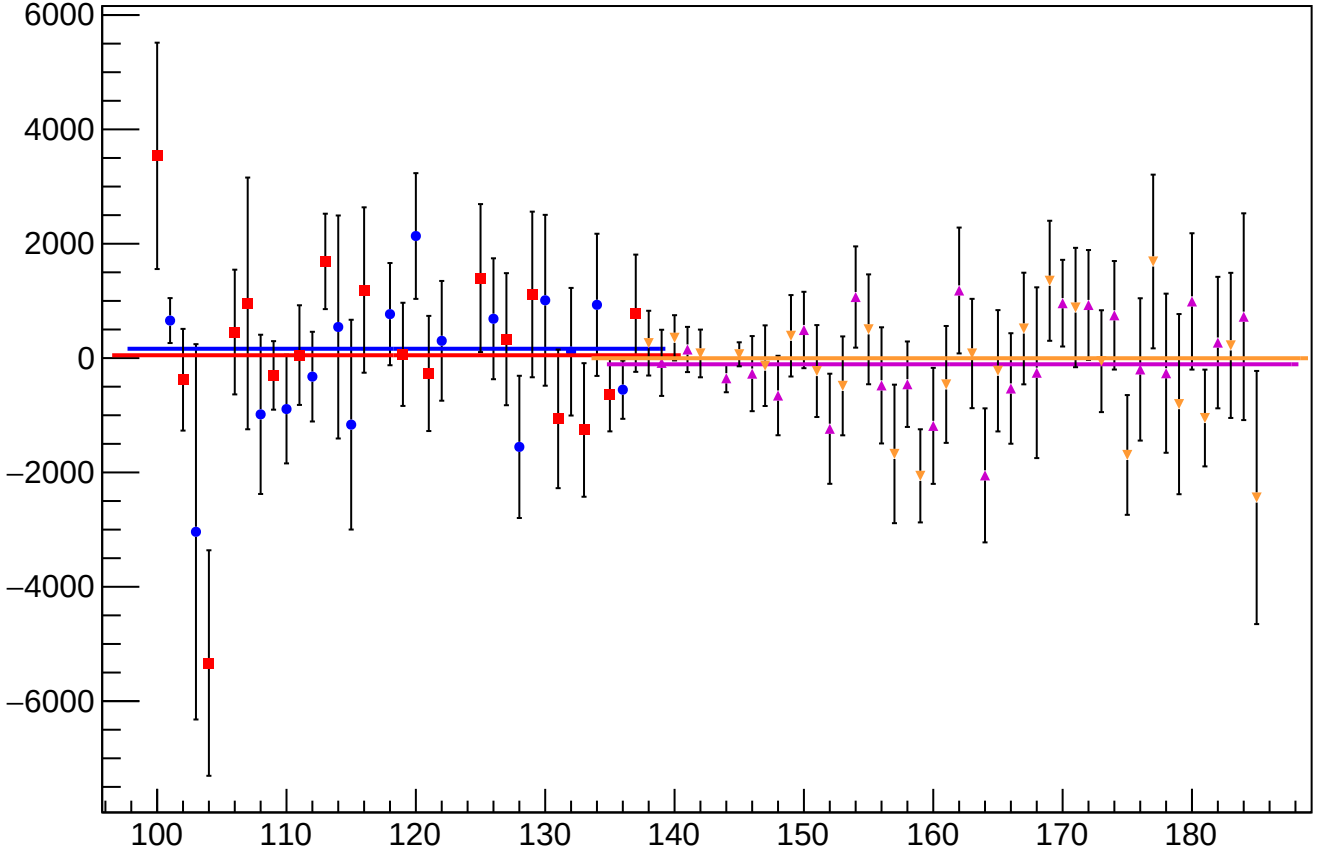
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

\+ sign 1764.334+/-0.247 χ^2/NDF: 726989.6/39

All: 1768.793+/-0.175 χ^2/NDF: 1067891.7/80

\- 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: -2.529+/-130.054 χ^2/NDF:20.3/23

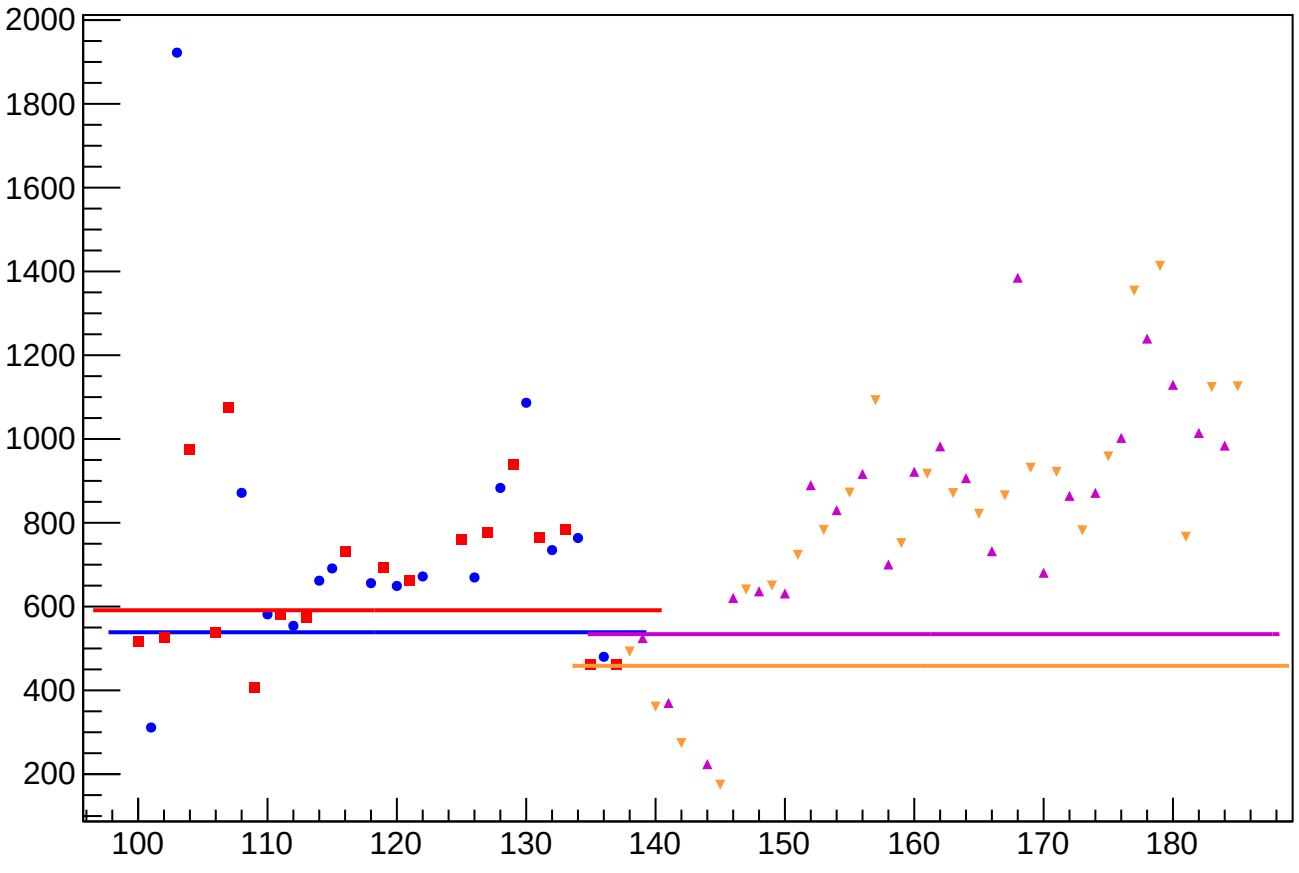
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 40.369+/-111.958 χ^2/NDF: 34.6/39

All: -8.081+/-82.735 χ^2/NDF: 73.8/80

- sign -66.370+/-122.801 χ^2/NDF: 38.8/40



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

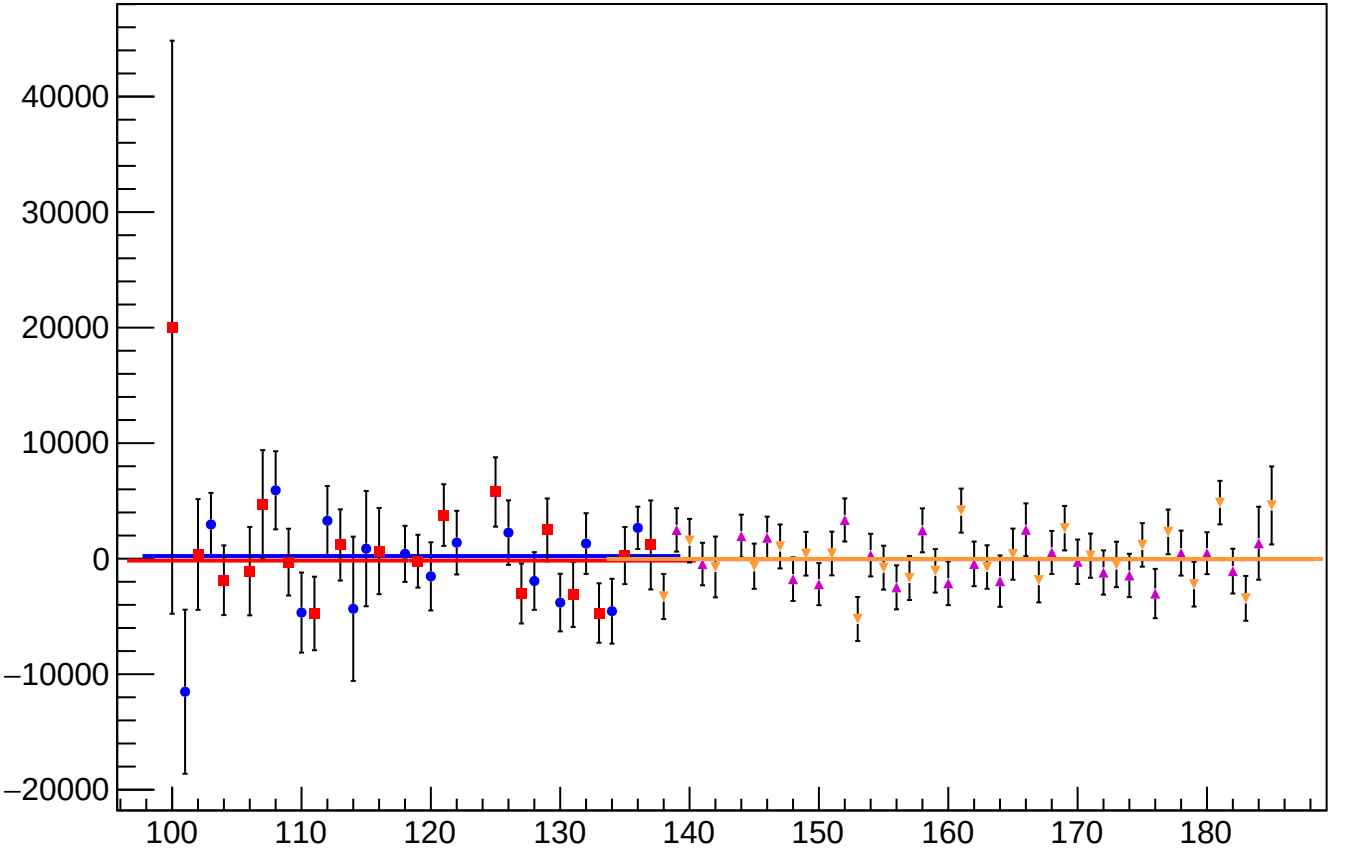
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 479.333+/-0.079 χ^2/NDF: 13481715.7/39

All: 511.108+/-0.059 χ^2/NDF: 23208301.8/80

- 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: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

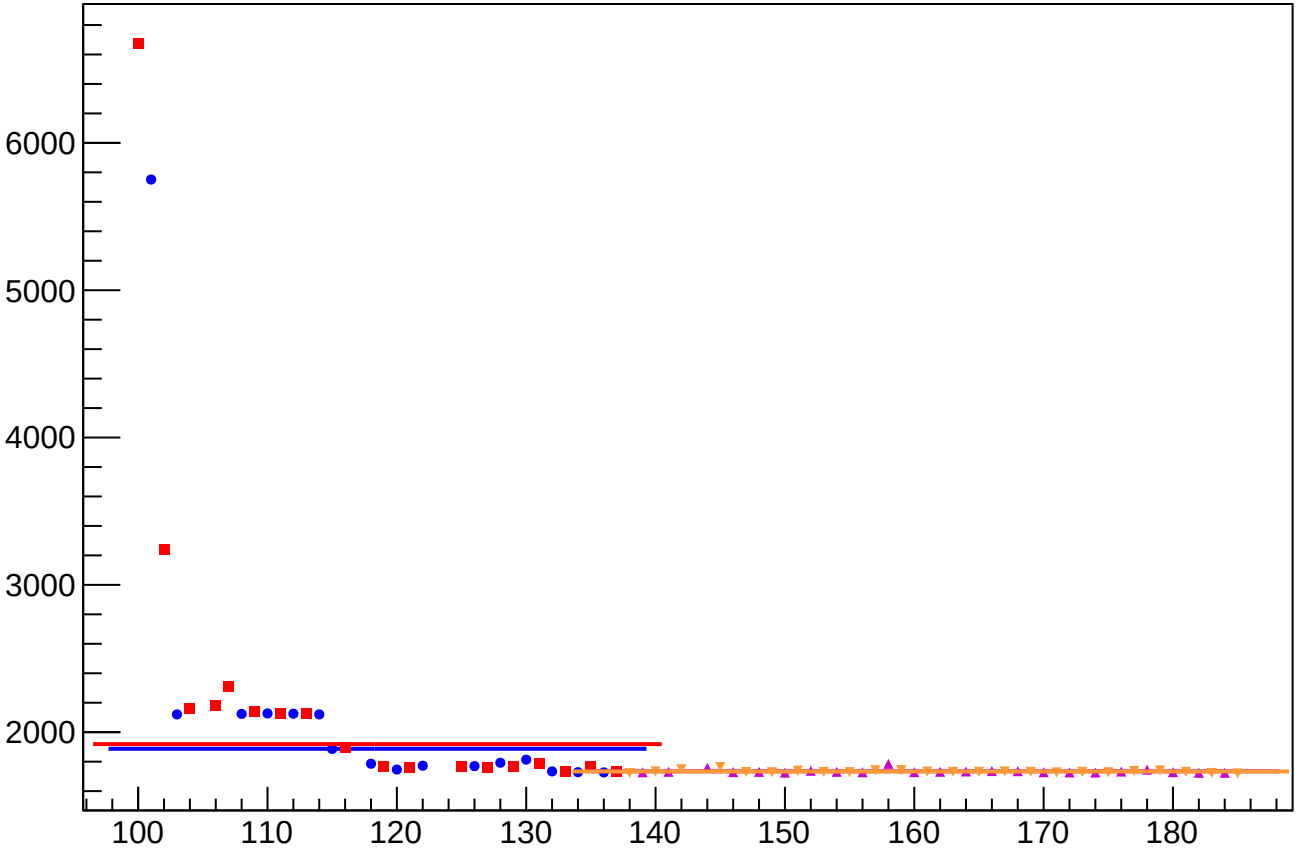
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 31.618+/-351.040 χ^2/NDF: 55.0/39

All: -19.432+/-249.158 χ^2/NDF: 91.9/80

- 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: 1733.478+/-0.284 χ^2/NDF:901.3/23

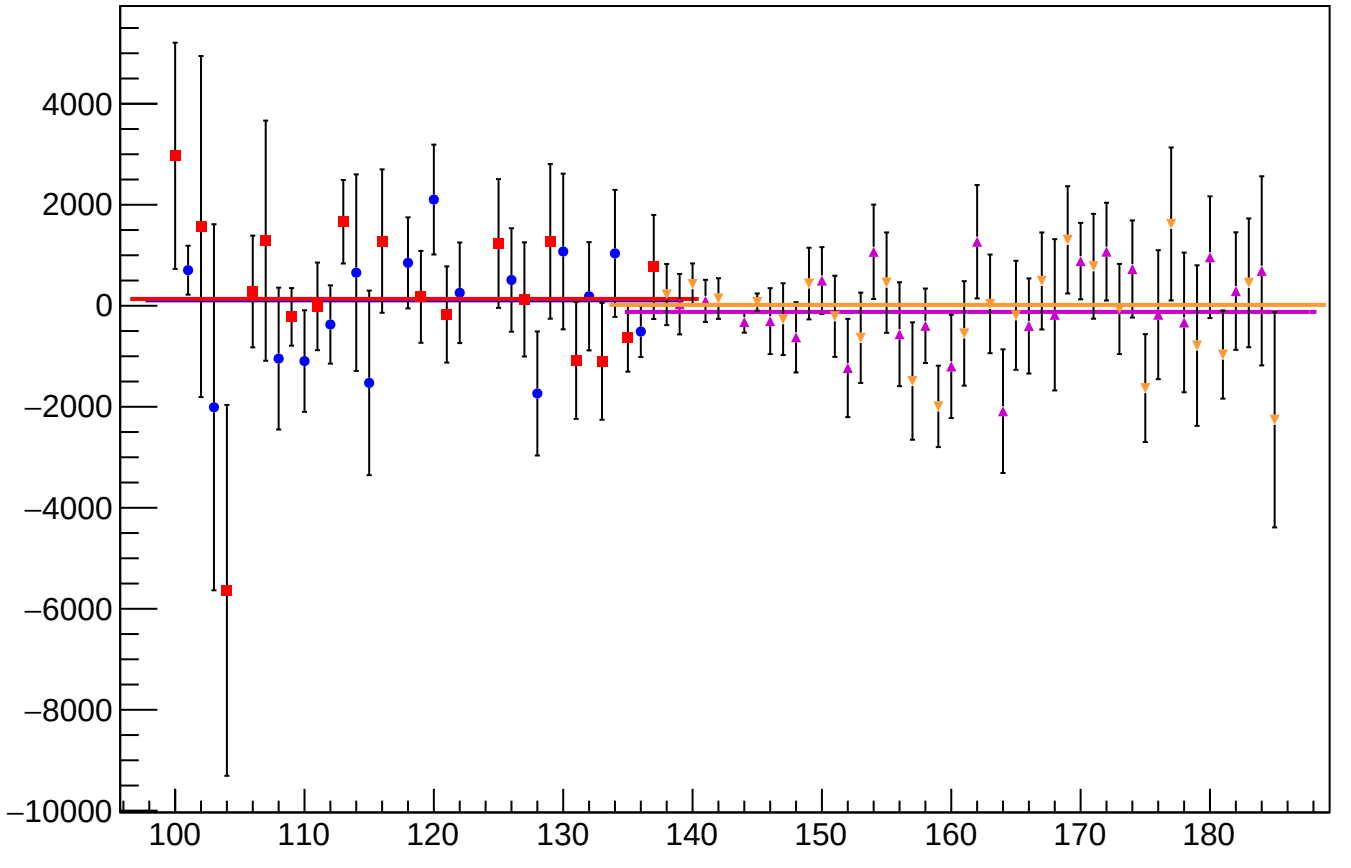
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.193+/-0.248 χ^2/NDF: 760131.1/39

All: 1774.360+/-0.176 χ^2/NDF: 1213832.6/80

- 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: 18.027+/-119.333 χ^2/NDF:19.4/23

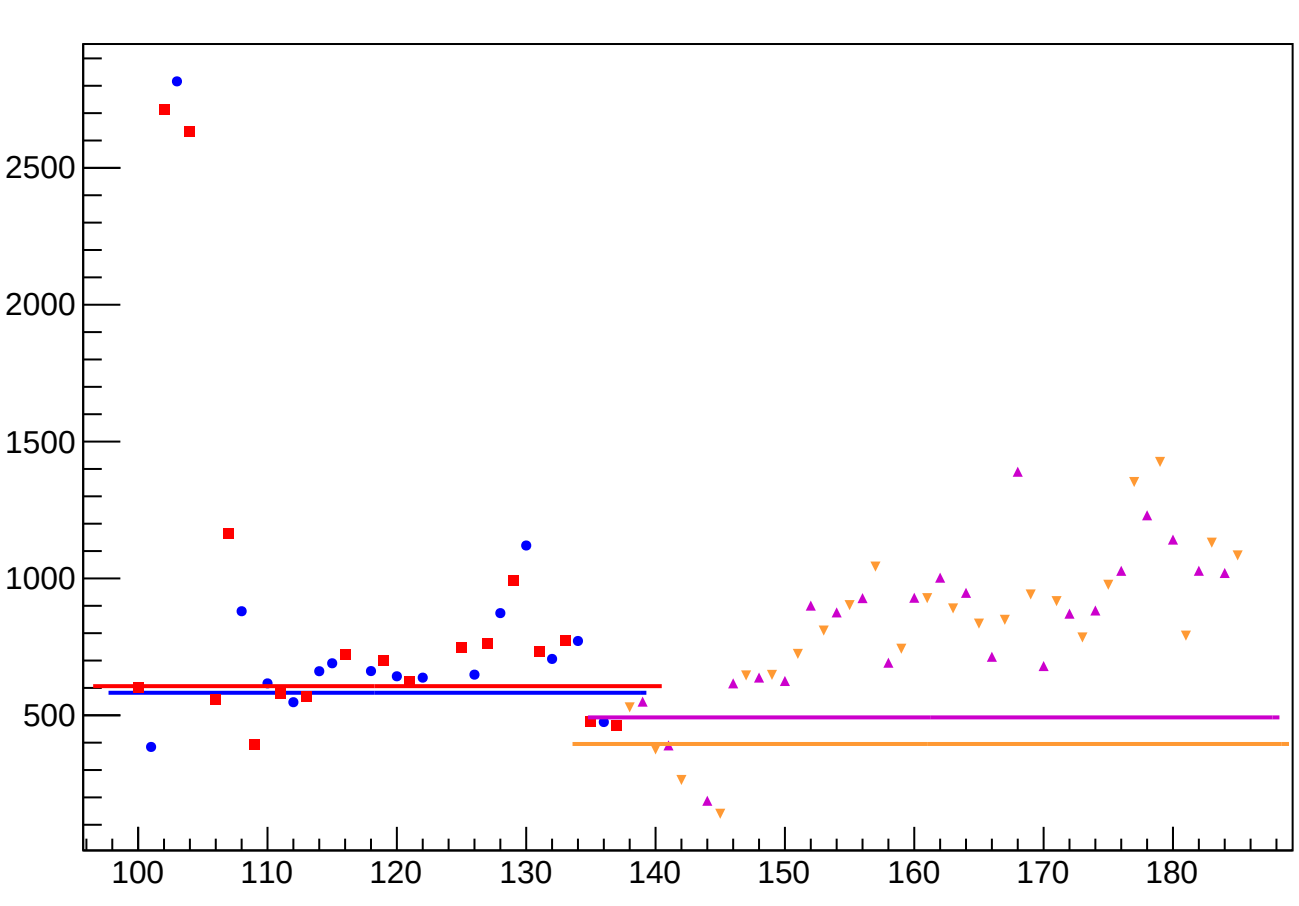
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 36.916+/-106.090 χ^2/NDF: 33.7/39

All: -6.007+/-79.419 χ^2/NDF: 65.7/80

- 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: 395.188+/-0.084 χ^2/NDF:14334419.9/23

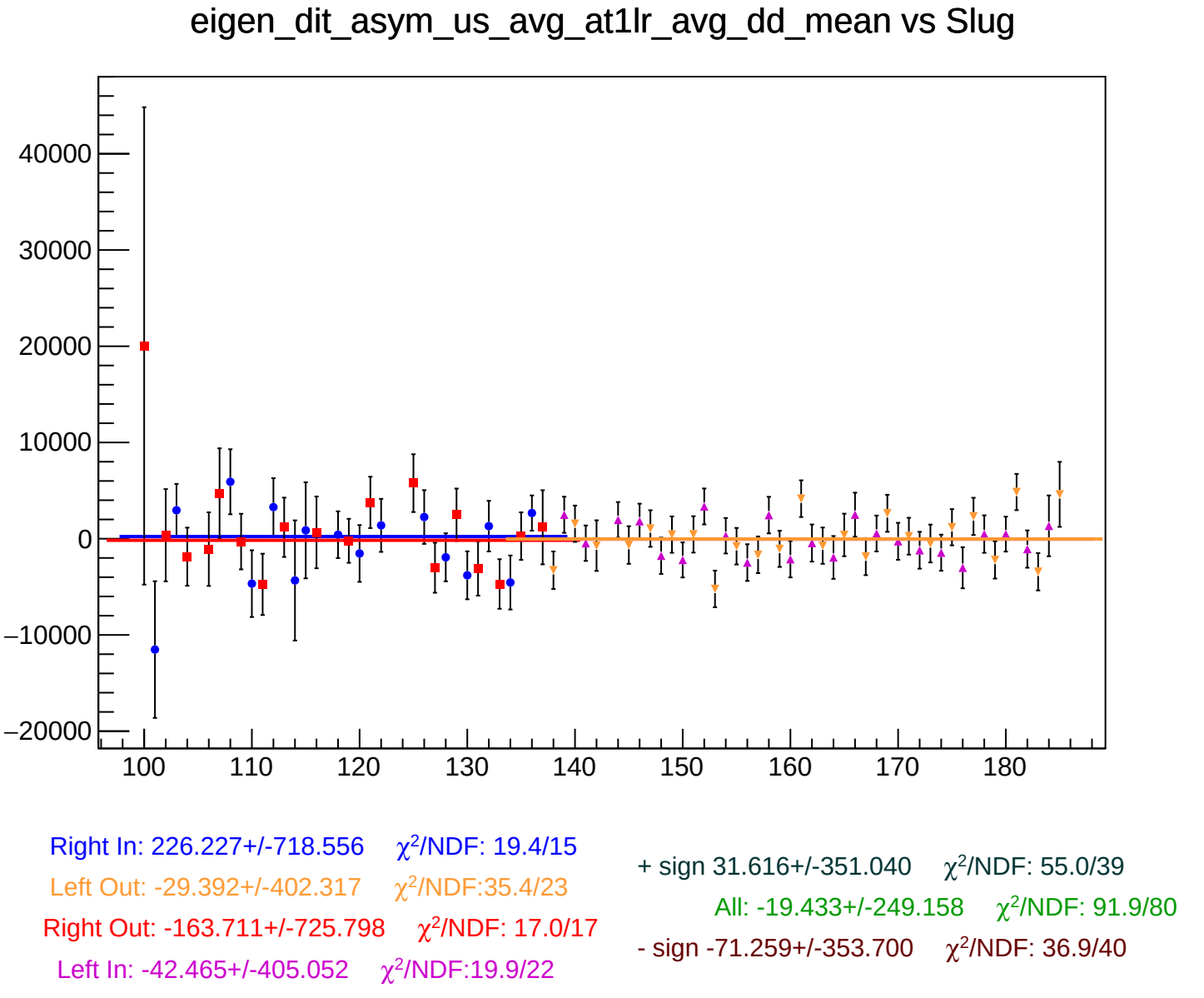
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

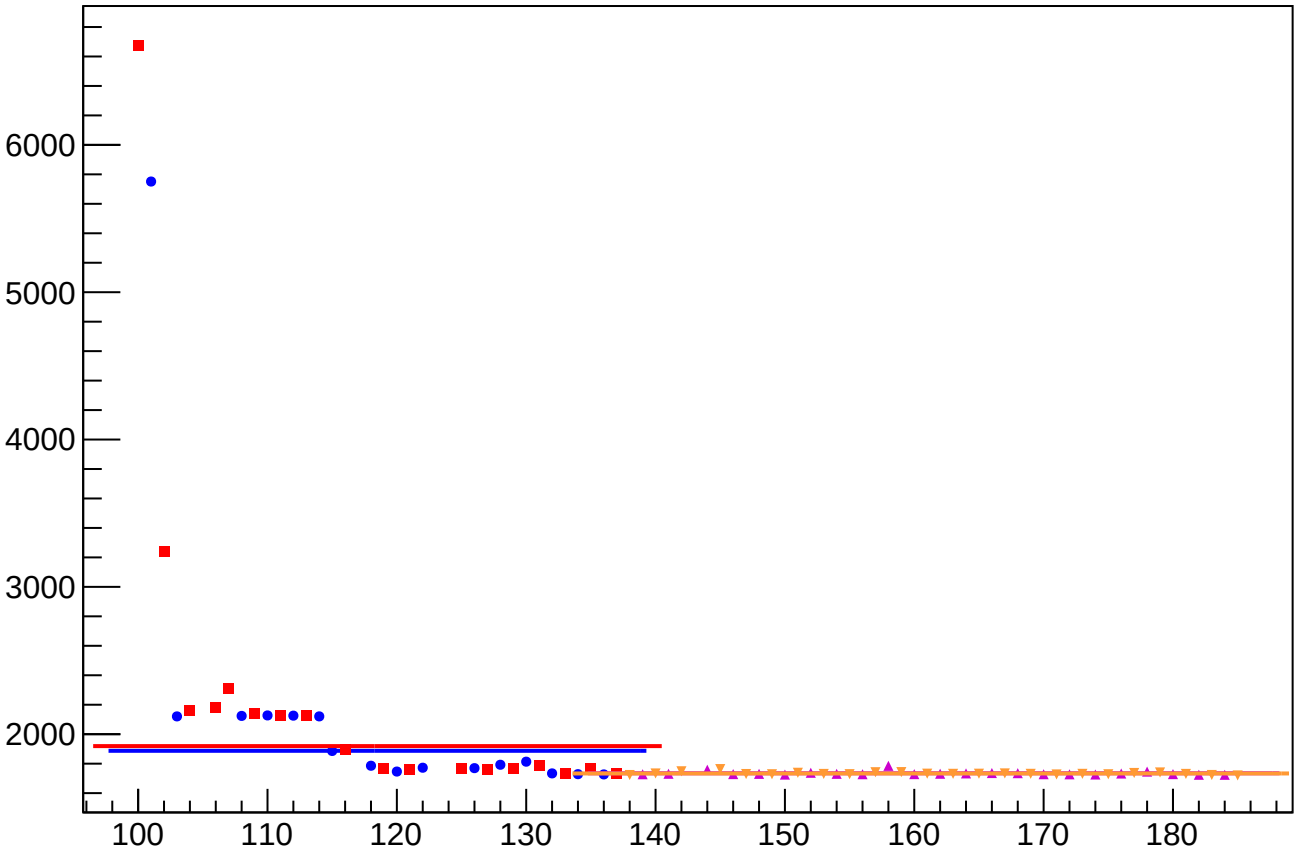
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 434.407+/-0.075 χ^2/NDF: 17119179.4/39

All: 471.759+/-0.056 χ^2/NDF: 30629735.2/80

- sign 519.375+/-0.085 χ^2/NDF: 12946594.3/40


eigen_dit_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: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: -163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -42.465+/-405.052 χ²/NDF:19.9/22
+ sign 31.616+/-351.040 χ²/NDF: 55.0/39
All: -19.433+/-249.158 χ²/NDF: 91.9/80
- sign -71.259+/-353.700 χ²/NDF: 36.9/40



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

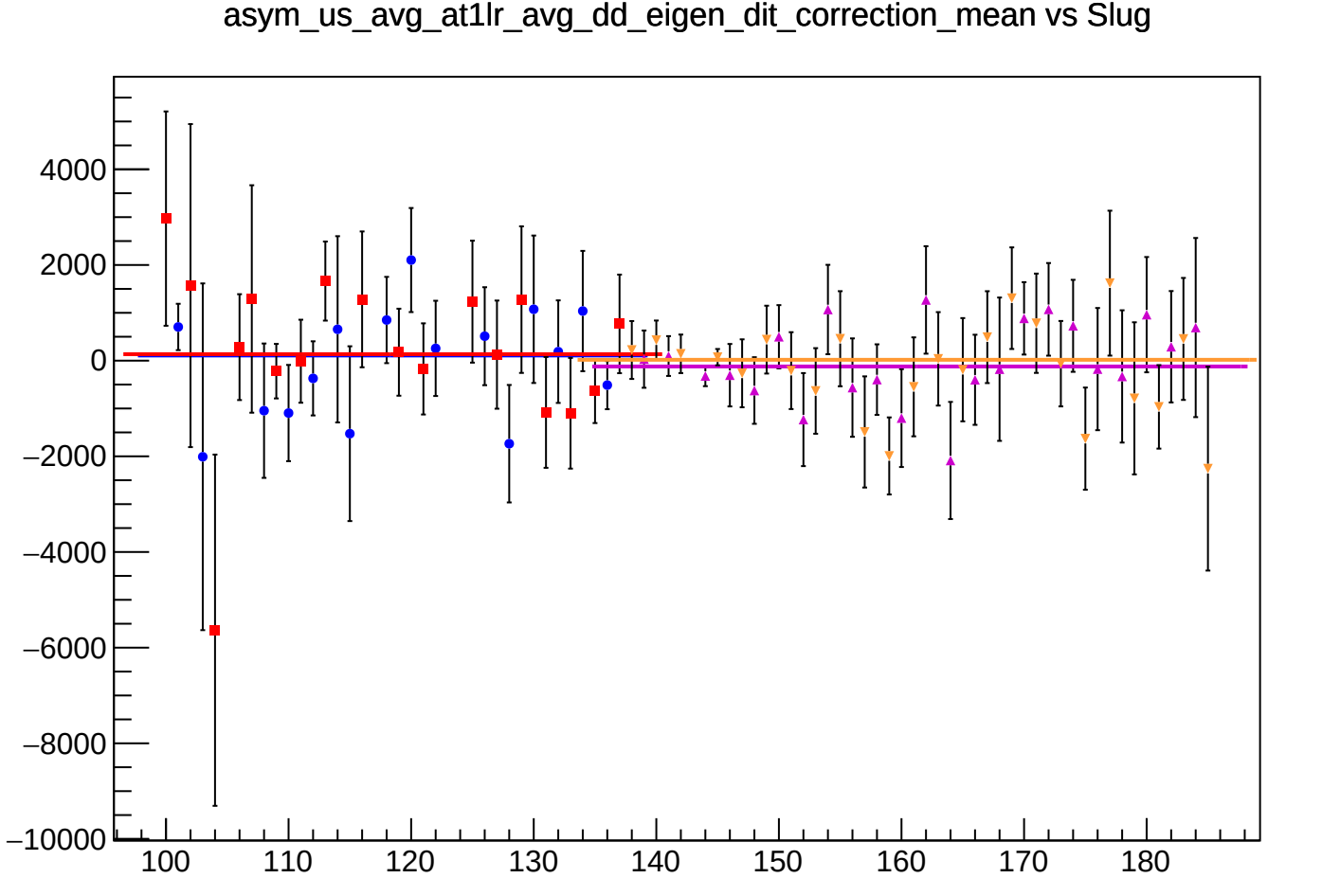
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.193+/-0.248 χ^2/NDF: 760130.7/39

All: 1774.360+/-0.176 χ^2/NDF: 1213831.4/80

- 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: 18.026+/-119.333 χ^2/NDF:19.4/23

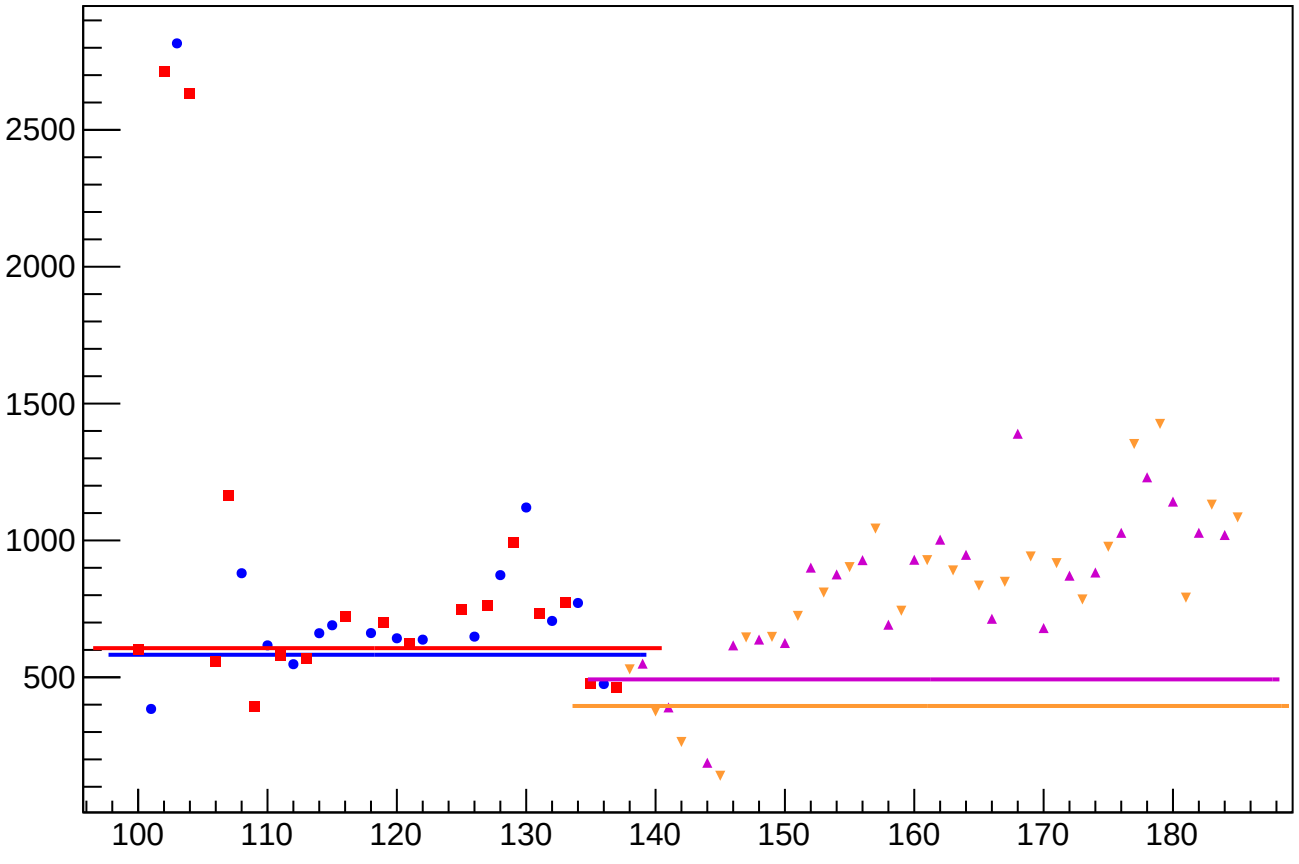
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 36.914+/-106.090 χ^2/NDF: 33.7/39

All: -6.008+/-79.419 χ^2/NDF: 65.7/80

- 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: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

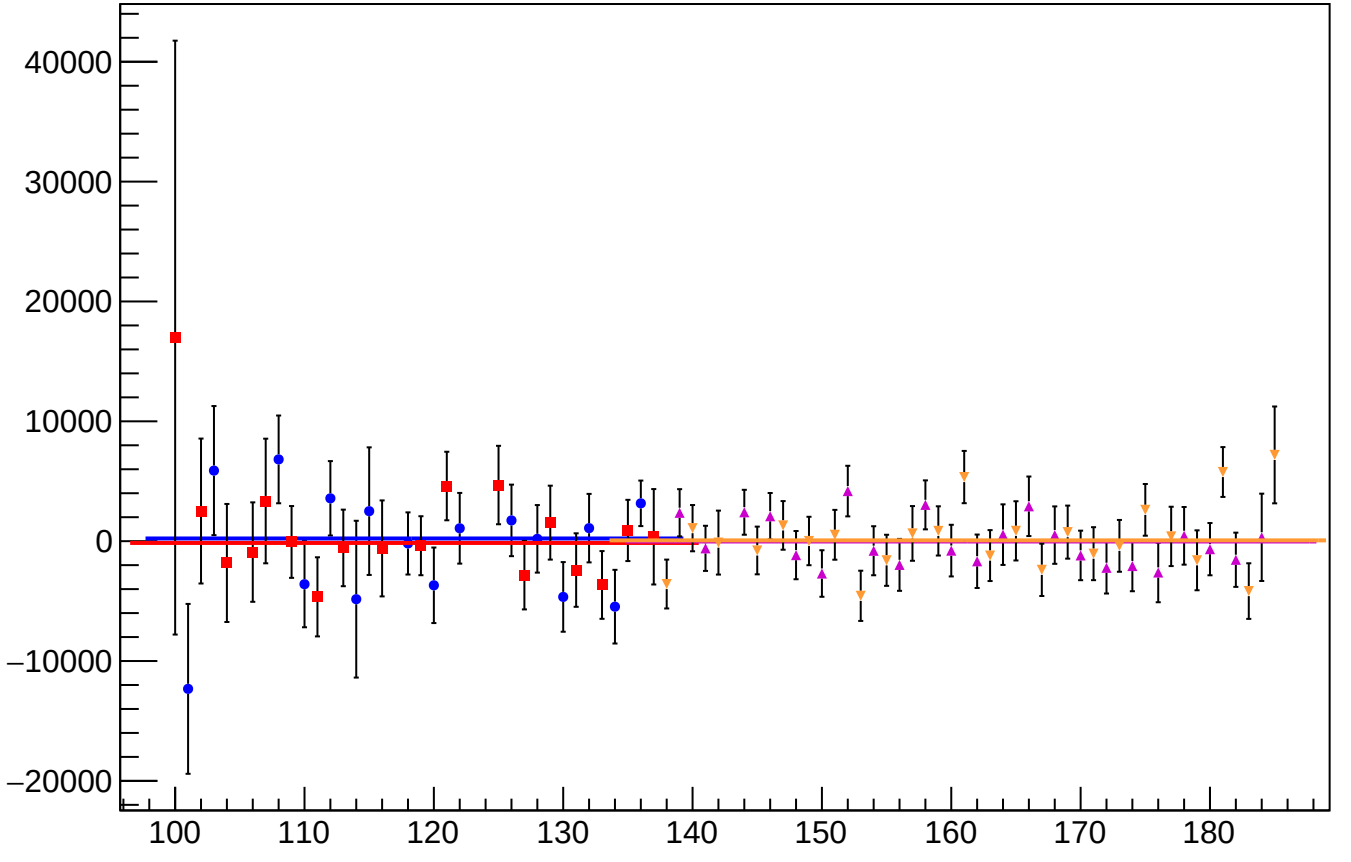
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 434.407+/-0.075 χ^2/NDF: 17119197.6/39

All: 471.759+/-0.056 χ^2/NDF: 30629769.8/80

- 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: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

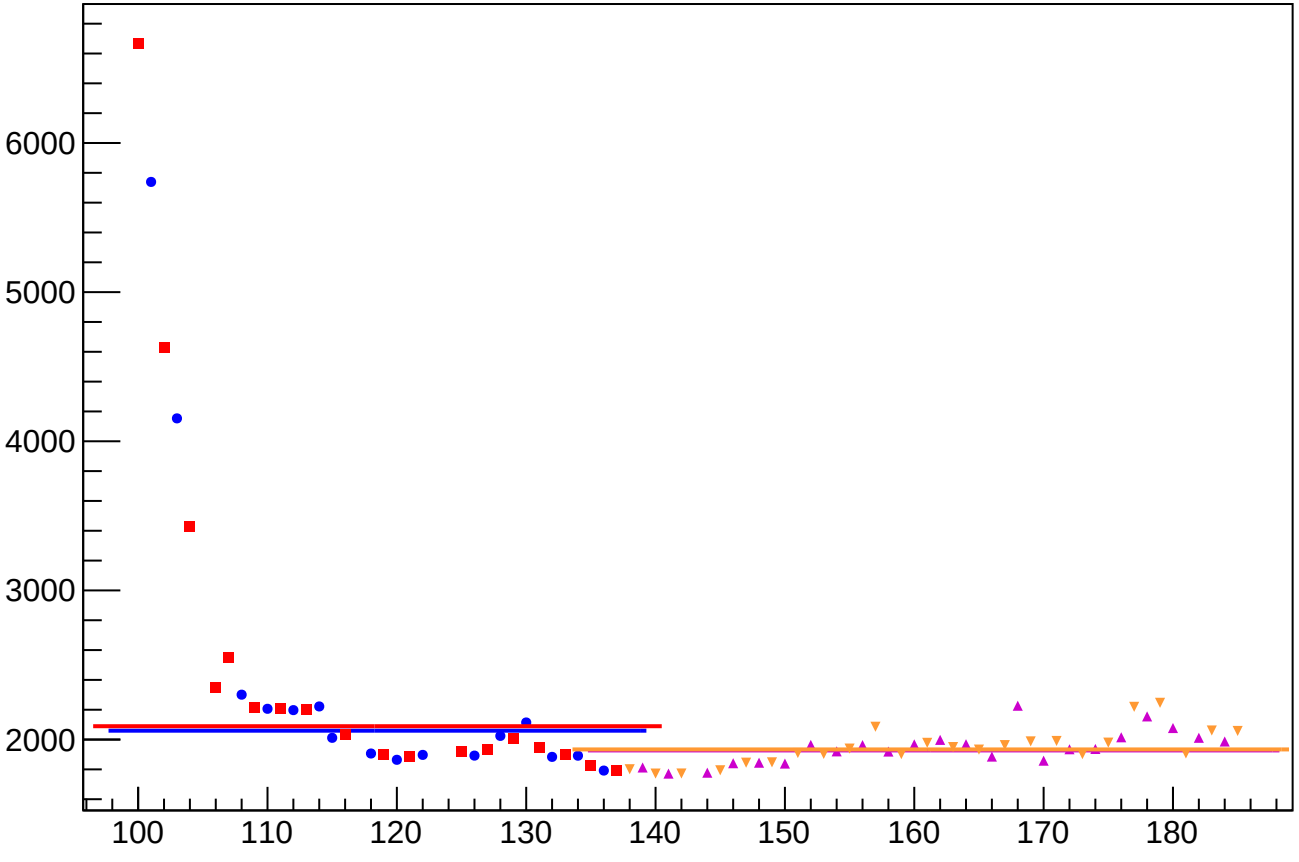
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 105.177+/-391.052 χ^2/NDF: 54.8/39

All: 25.087+/-276.855 χ^2/NDF: 86.4/80

- 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: 1933.804+/-0.318 χ^2/NDF:128531.8/23

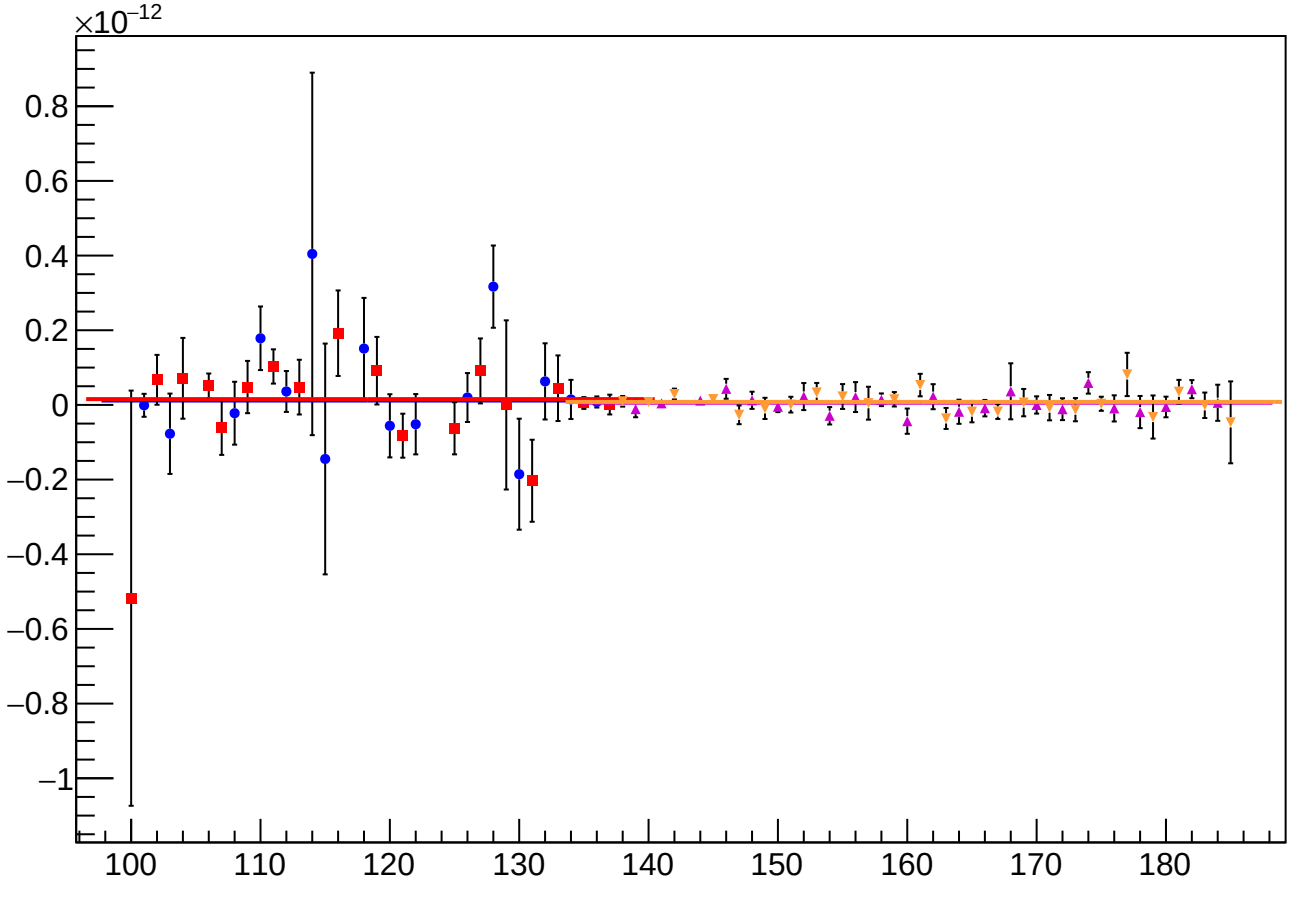
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1964.472+/-0.277 χ^2/NDF: 1106518.5/39

All: 1965.574+/-0.196 χ^2/NDF: 1967668.5/80

- 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:17.3/23

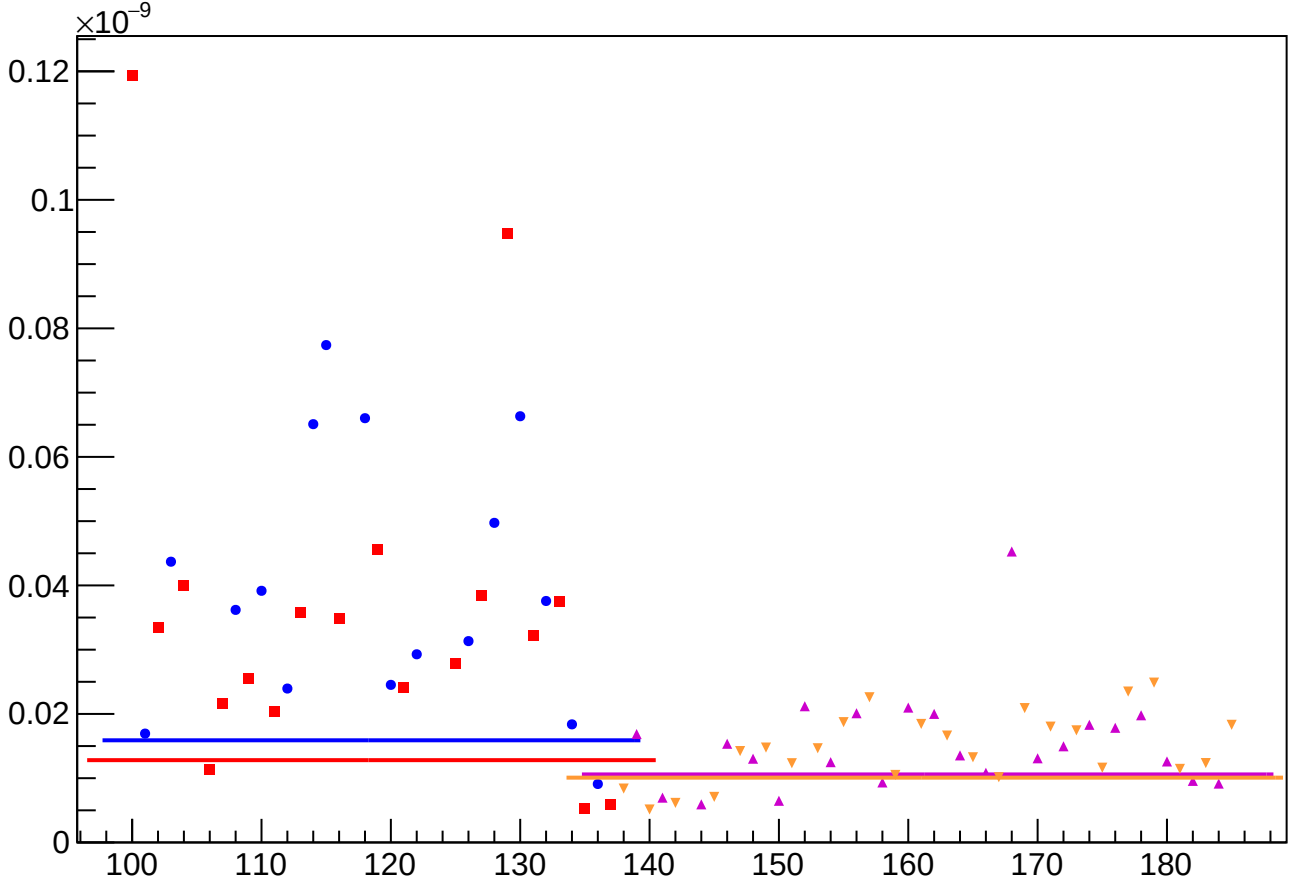
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/39

All: 0.000+/-0.000 χ^2/NDF: 73.6/80

- 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:2274817.9/23

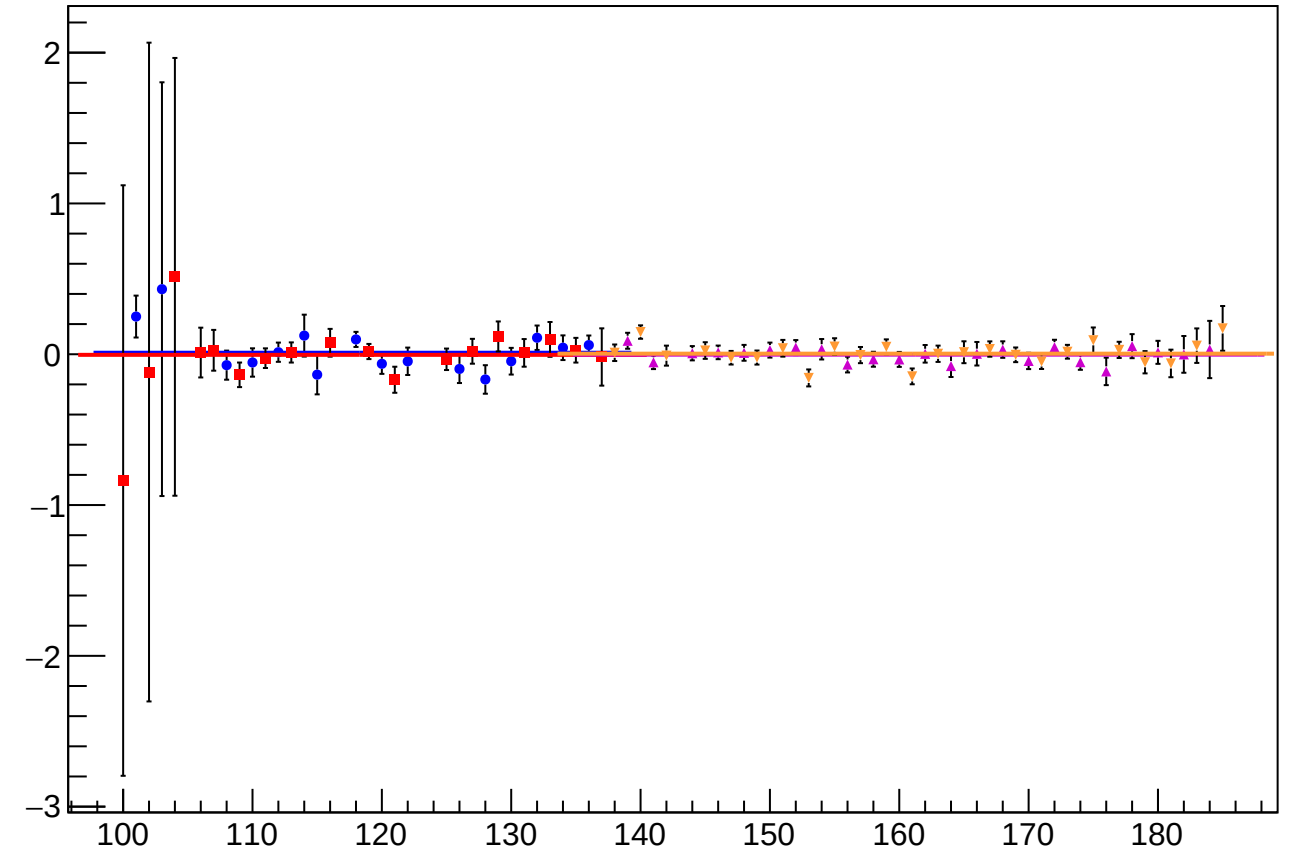
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 4651451.1/39

All: 0.000+/-0.000 χ^2/NDF: 9790272.3/80

- 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: 0.004+/-0.012 χ^2/NDF:35.0/23

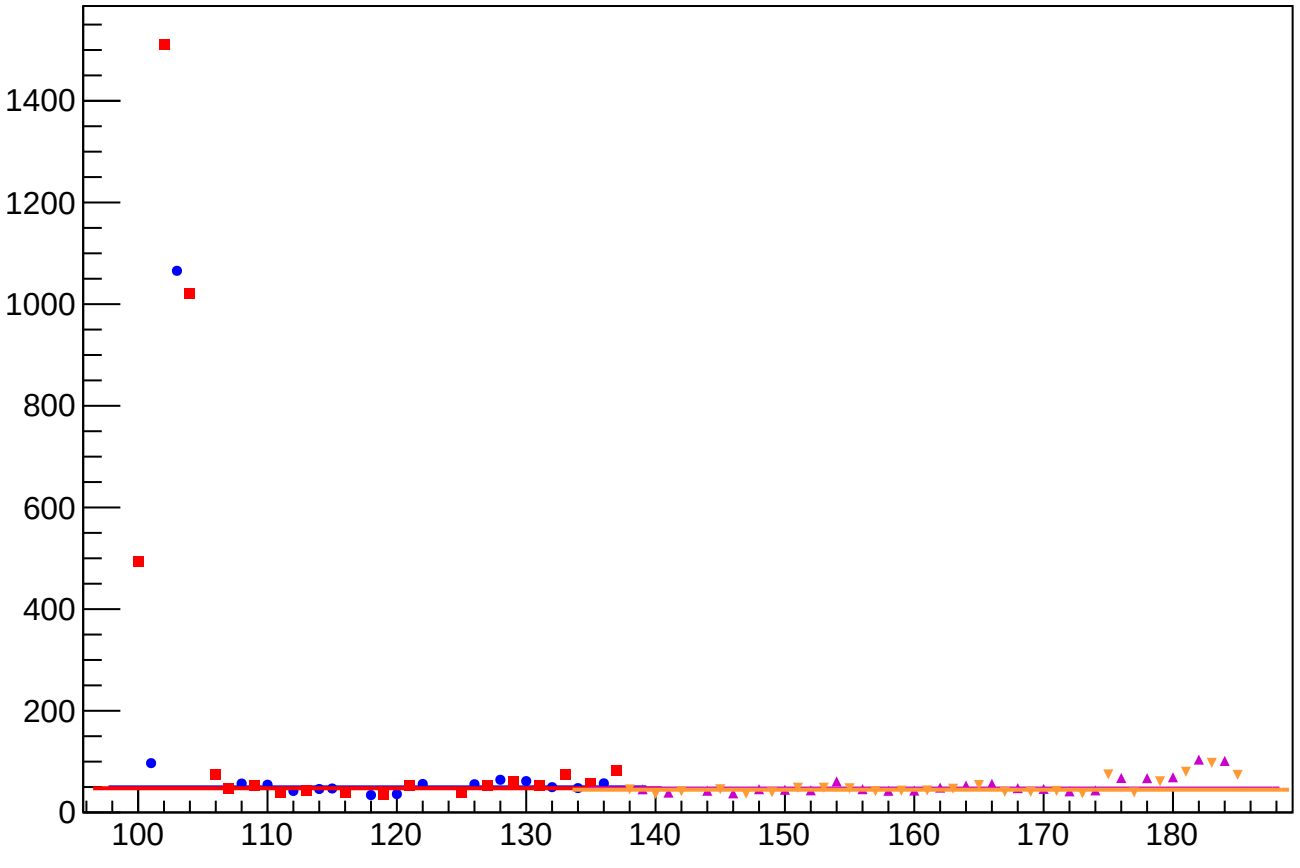
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.6/39

All: 0.001+/-0.007 χ^2/NDF: 78.9/80

- sign -0.003+/-0.010 χ^2/NDF: 25.0/40



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

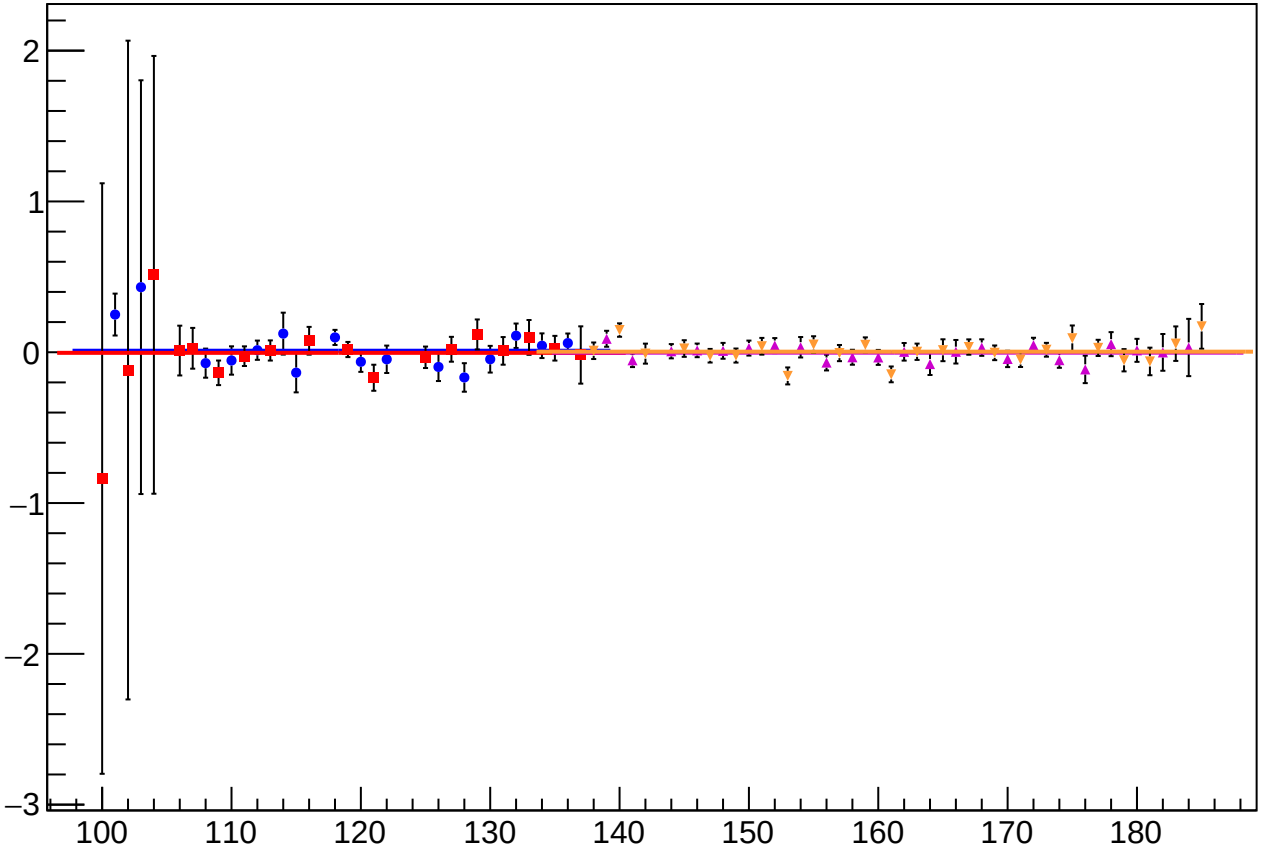
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 45.799+/-0.007 χ^2/NDF: 3332461.8/39

All: 46.459+/-0.005 χ^2/NDF: 7152554.7/80

- sign 47.166+/-0.007 χ^2/NDF: 3802329.7/40

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

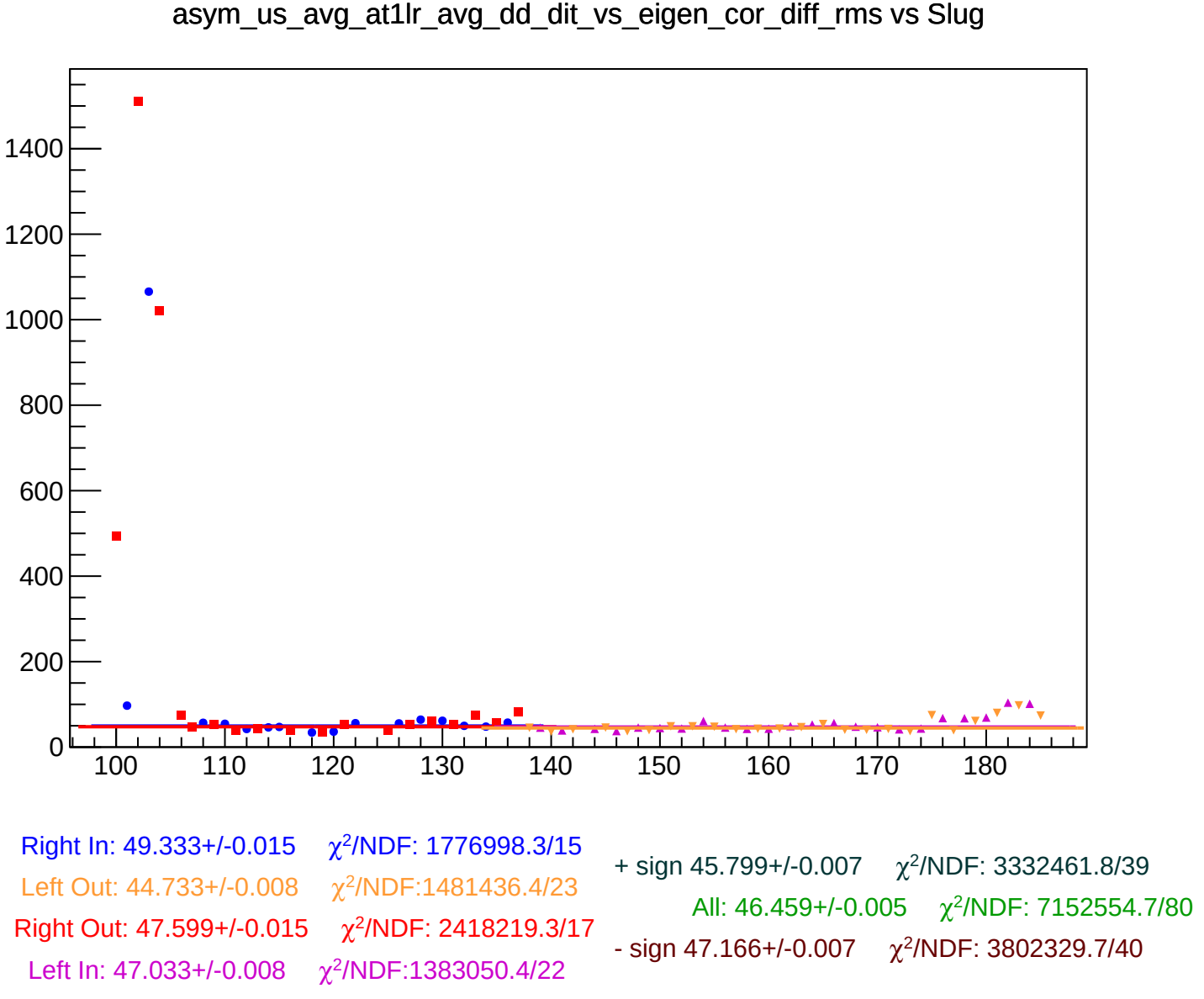
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.6/39

All: 0.001+/-0.007 χ^2/NDF: 78.9/80

- 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
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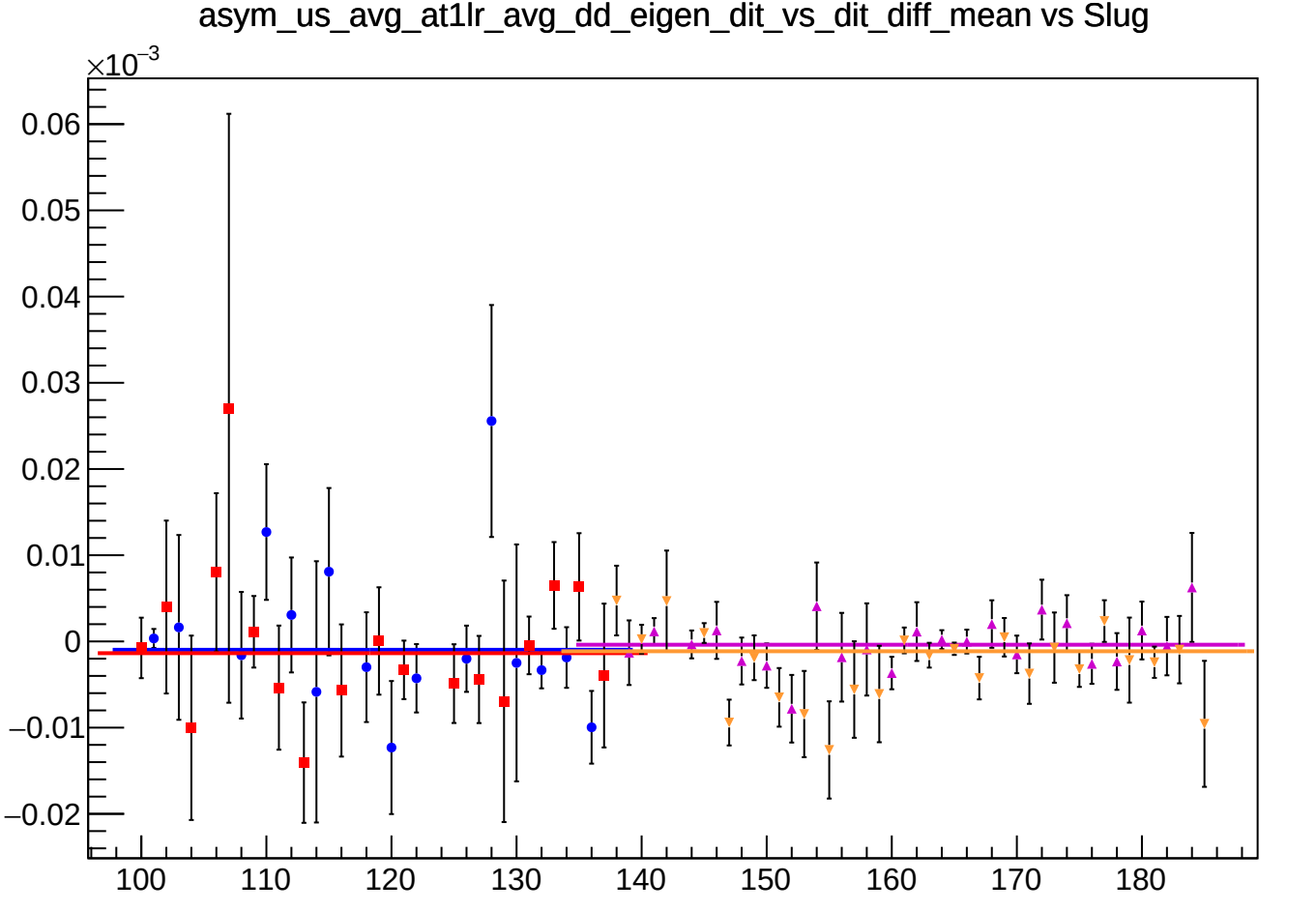
140
150
160
170
180
Right In: 49.333+/-0.015 χ2/NDF: 1776998.3/15
Left Out: 44.733+/-0.008 χ2/NDF:1481436.4/23
Right Out: 47.599+/-0.015 χ2/NDF: 2418219.3/17
Left In: 47.033+/-0.008 χ2/NDF:1383050.4/22
+ sign 45.799+/-0.007 χ2/NDF: 3332461.8/39
All: 46.459+/-0.005 χ2/NDF: 7152554.7/80
- sign 47.166+/-0.007 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:35.7/23

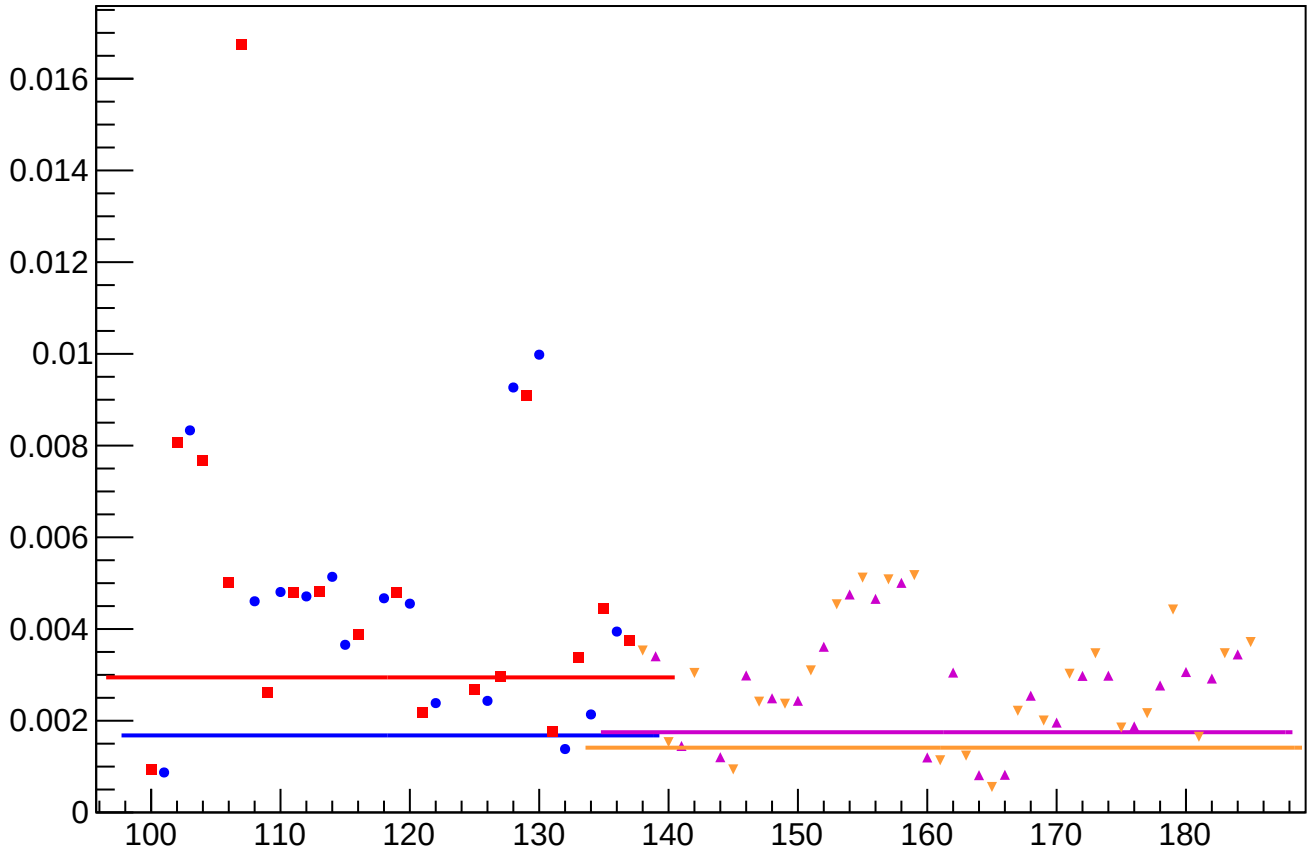
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/39

All: -0.000+/-0.000 χ^2/NDF: 84.9/80

- sign -0.000+/-0.000 χ^2/NDF: 29.5/40



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

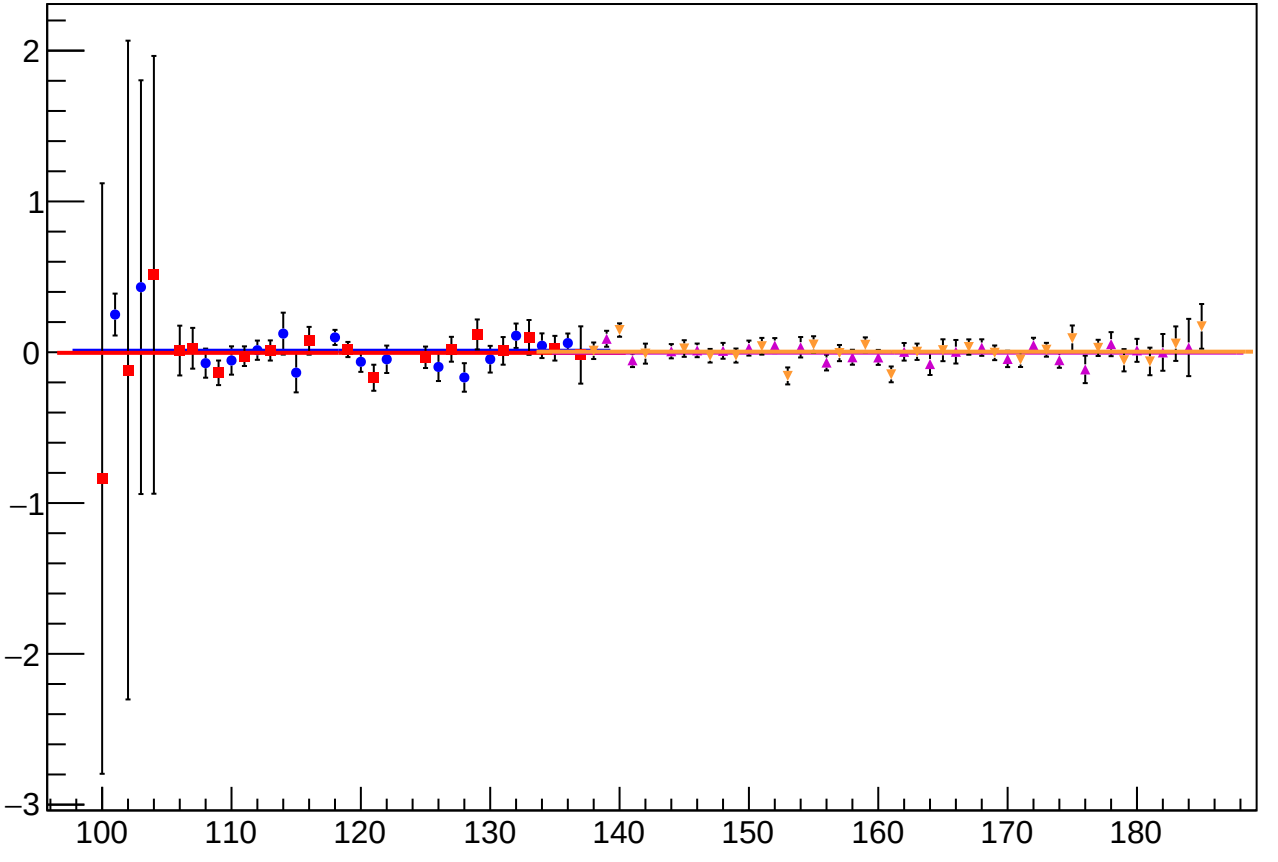
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 17713595.7/39

All: 0.002+/-0.000 χ^2/NDF: 31933766.3/80

- sign 0.002+/-0.000 χ^2/NDF: 13120469.1/40

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

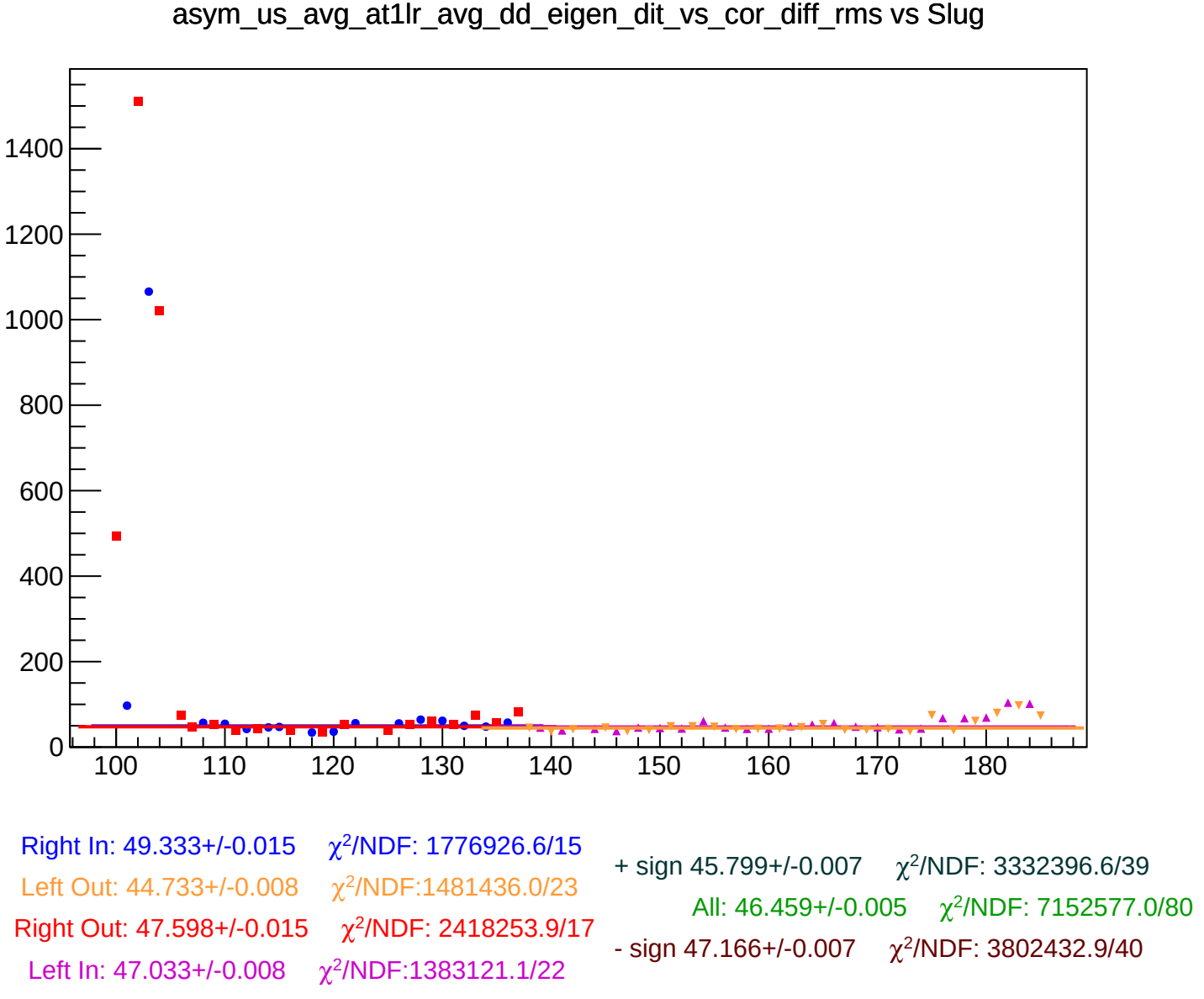
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.6/39

All: 0.001+/-0.007 χ^2/NDF: 78.9/80

- sign -0.003+/-0.010 χ^2/NDF: 25.0/40


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
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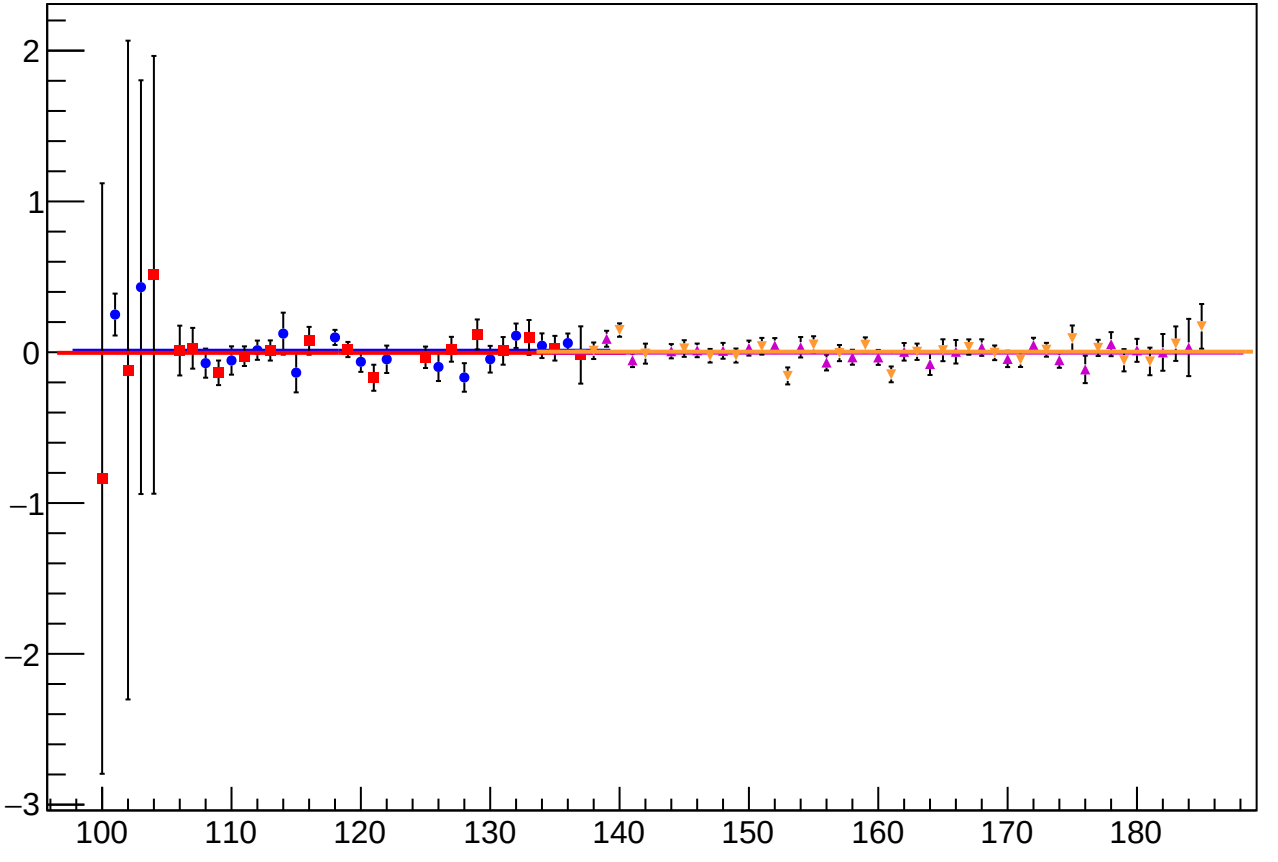
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 45.799+/-0.007 χ²/NDF: 3332396.6/39
All: 46.459+/-0.005 χ²/NDF: 7152577.0/80
- sign 47.166+/-0.007 χ²/NDF: 3802432.9/40

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

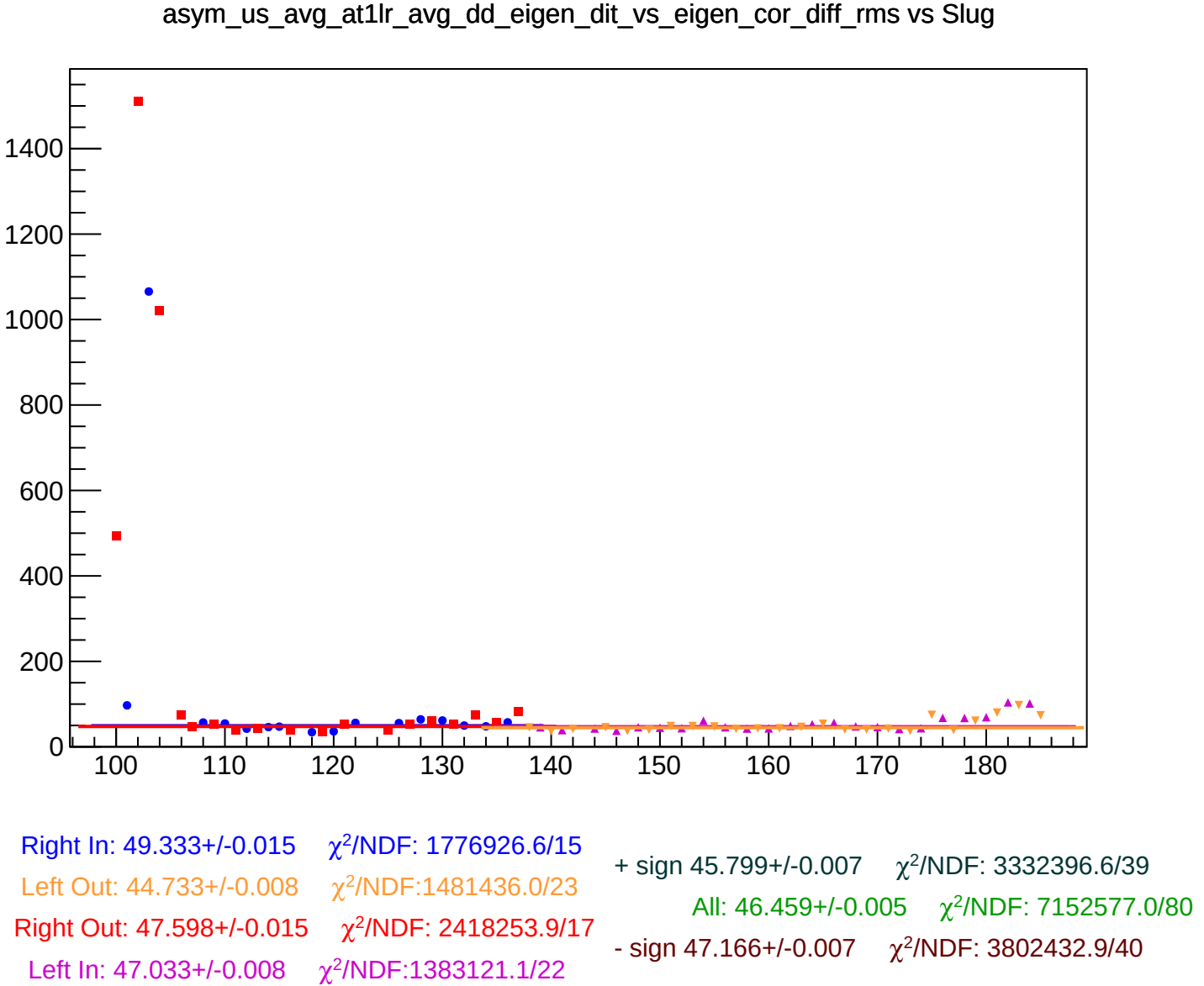
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.6/39

All: 0.001+/-0.007 χ^2/NDF: 78.9/80

- 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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100
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120
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140
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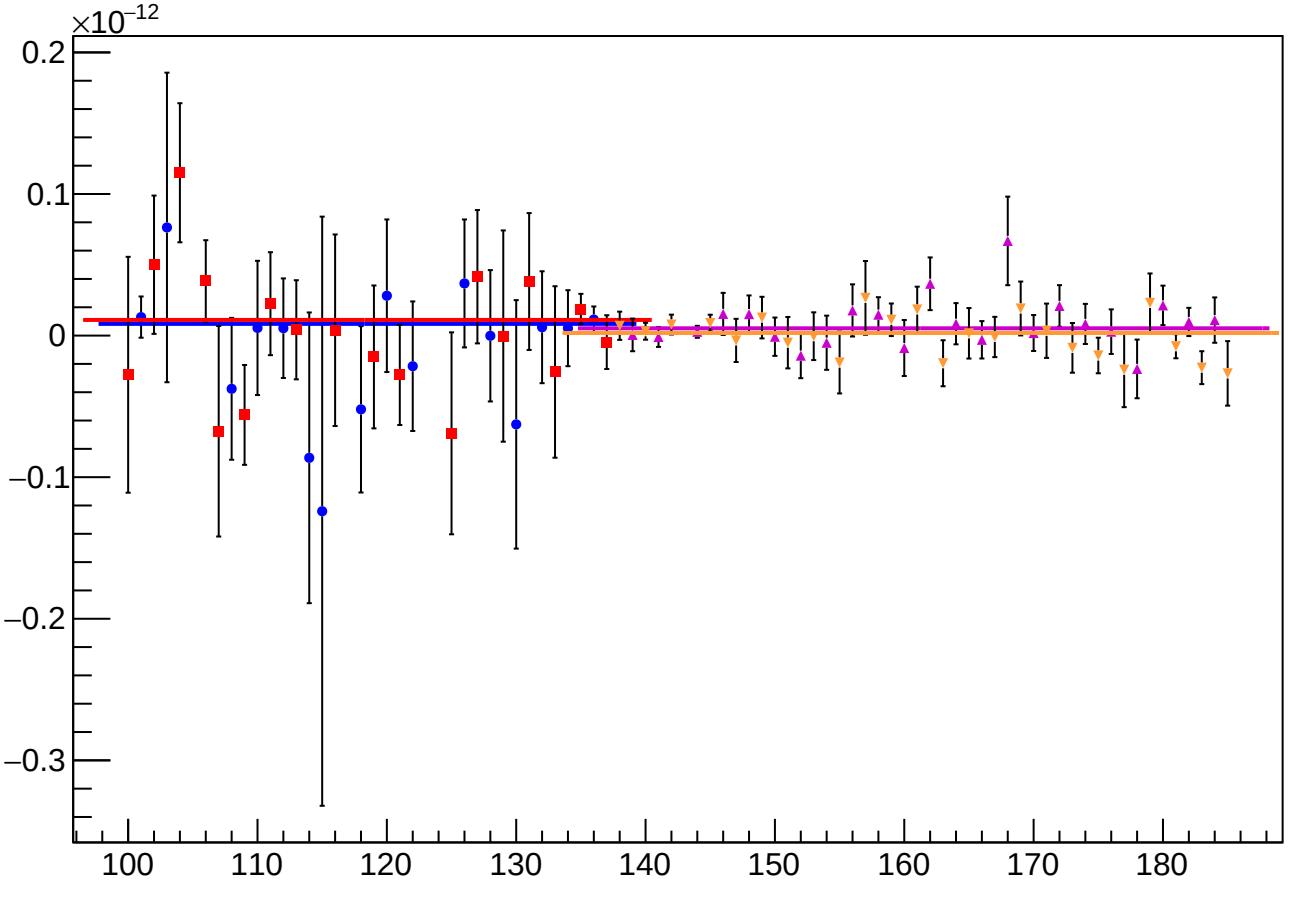
160
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 45.799+/-0.007 χ²/NDF: 3332396.6/39
All: 46.459+/-0.005 χ²/NDF: 7152577.0/80
- sign 47.166+/-0.007 χ²/NDF: 3802432.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

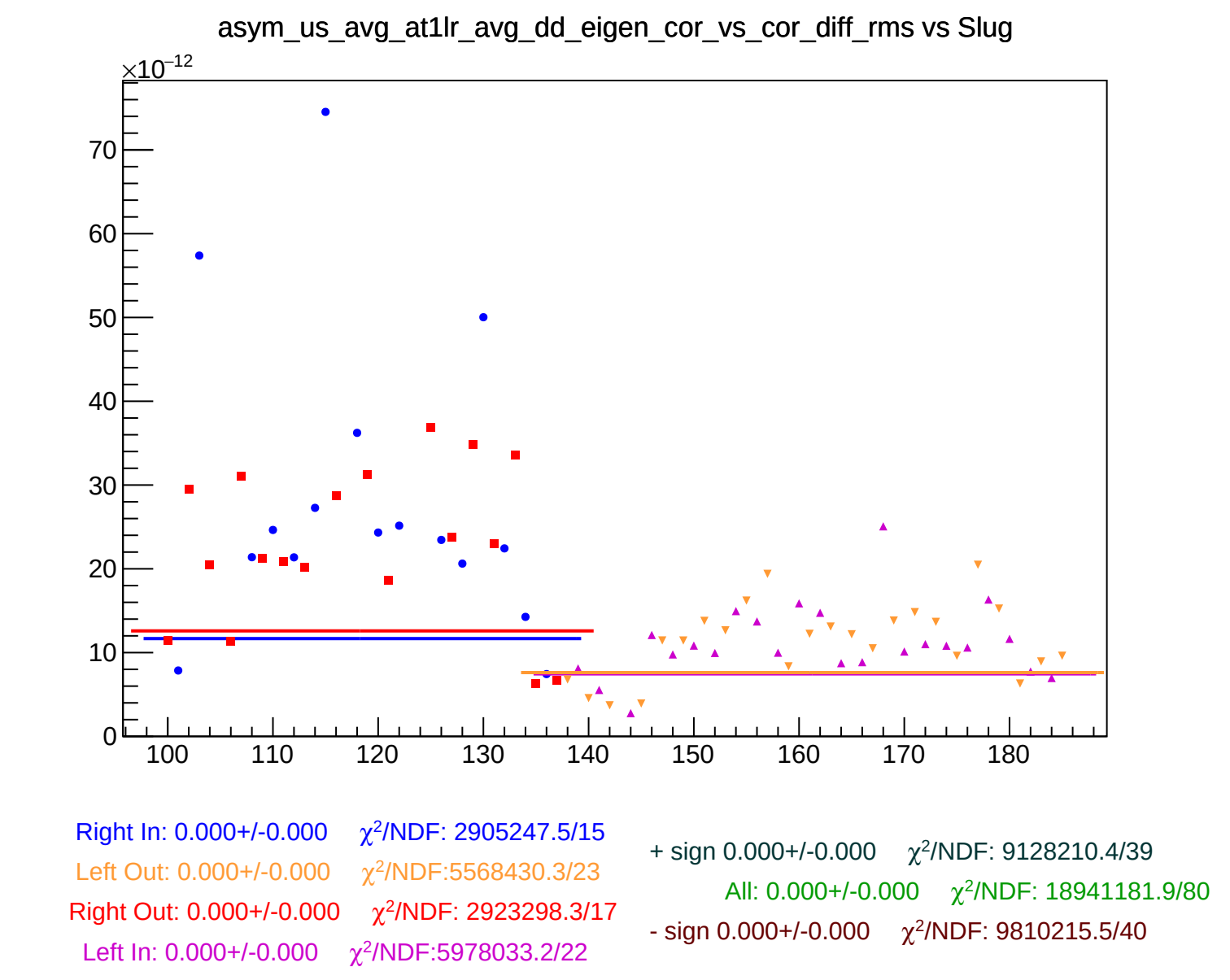
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

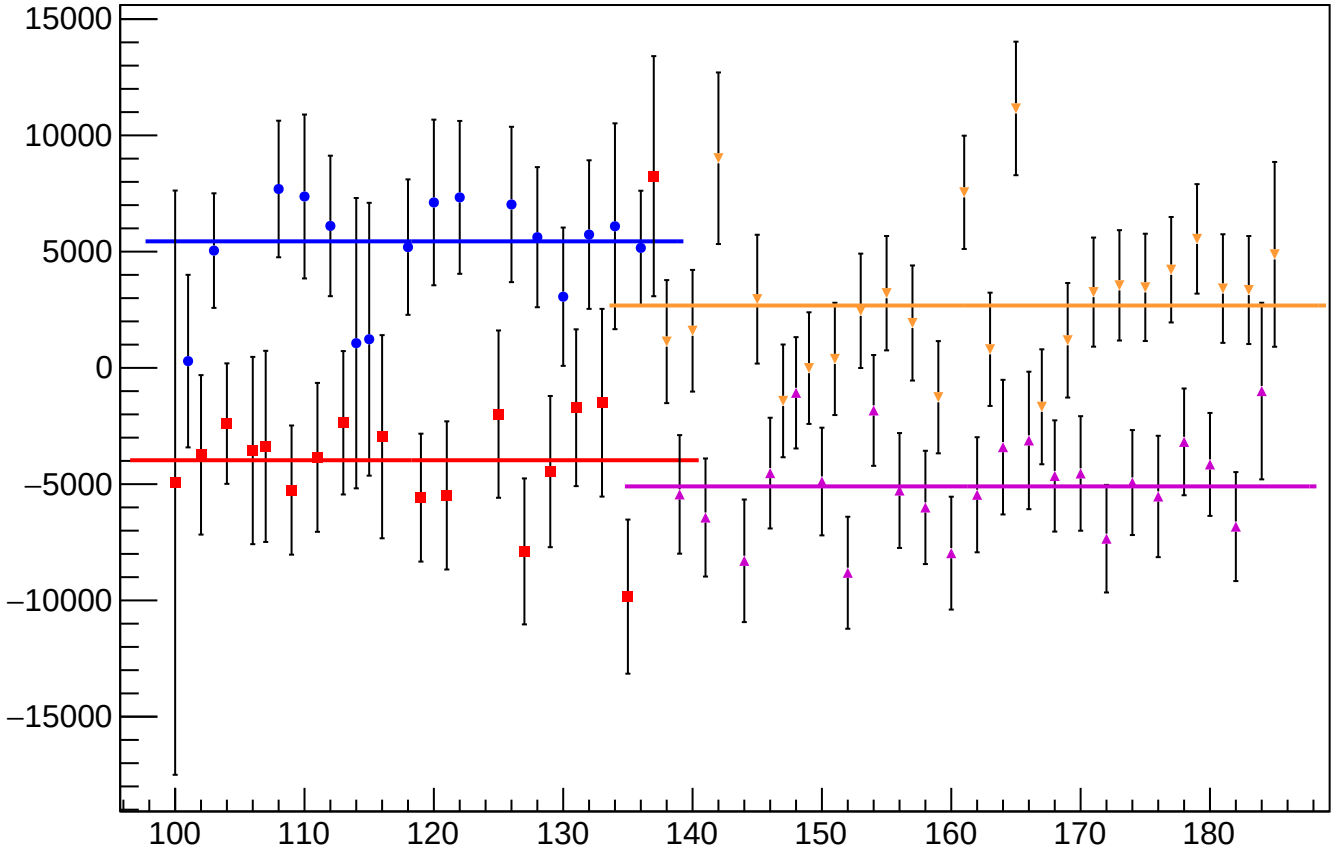
+ sign 0.000+/-0.000 χ^2/NDF: 26.8/39

All: 0.000+/-0.000 χ^2/NDF: 62.5/80

- 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:5568430.3/23
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: 9128210.4/39
All: 0.000+/-0.000 χ²/NDF: 18941181.9/80
- 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: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

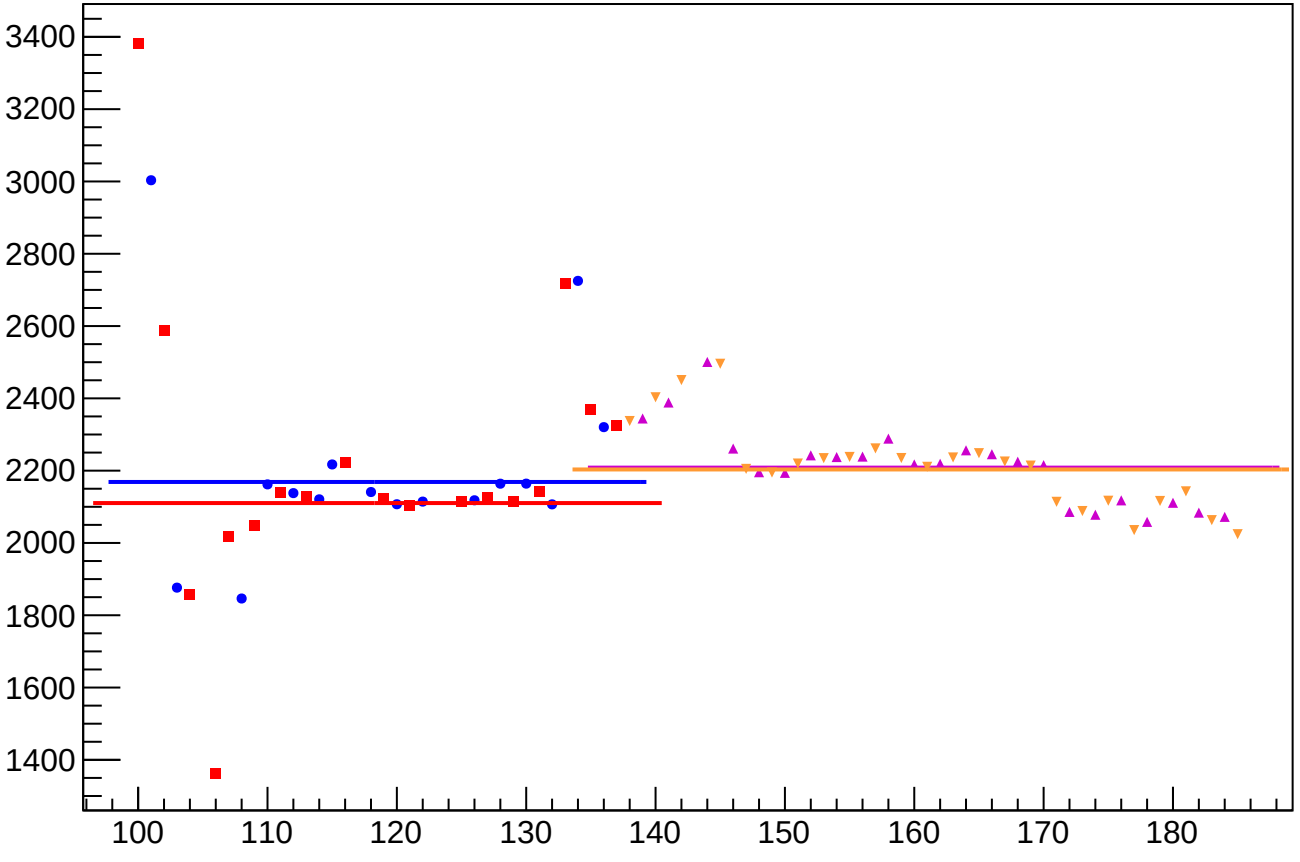
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3467.187+/-433.186 χ^2/NDF: 44.5/39

All: -632.951+/-307.013 χ^2/NDF: 253.7/80

- 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: 2203.297+/-0.362 χ^2/NDF:88208.3/23

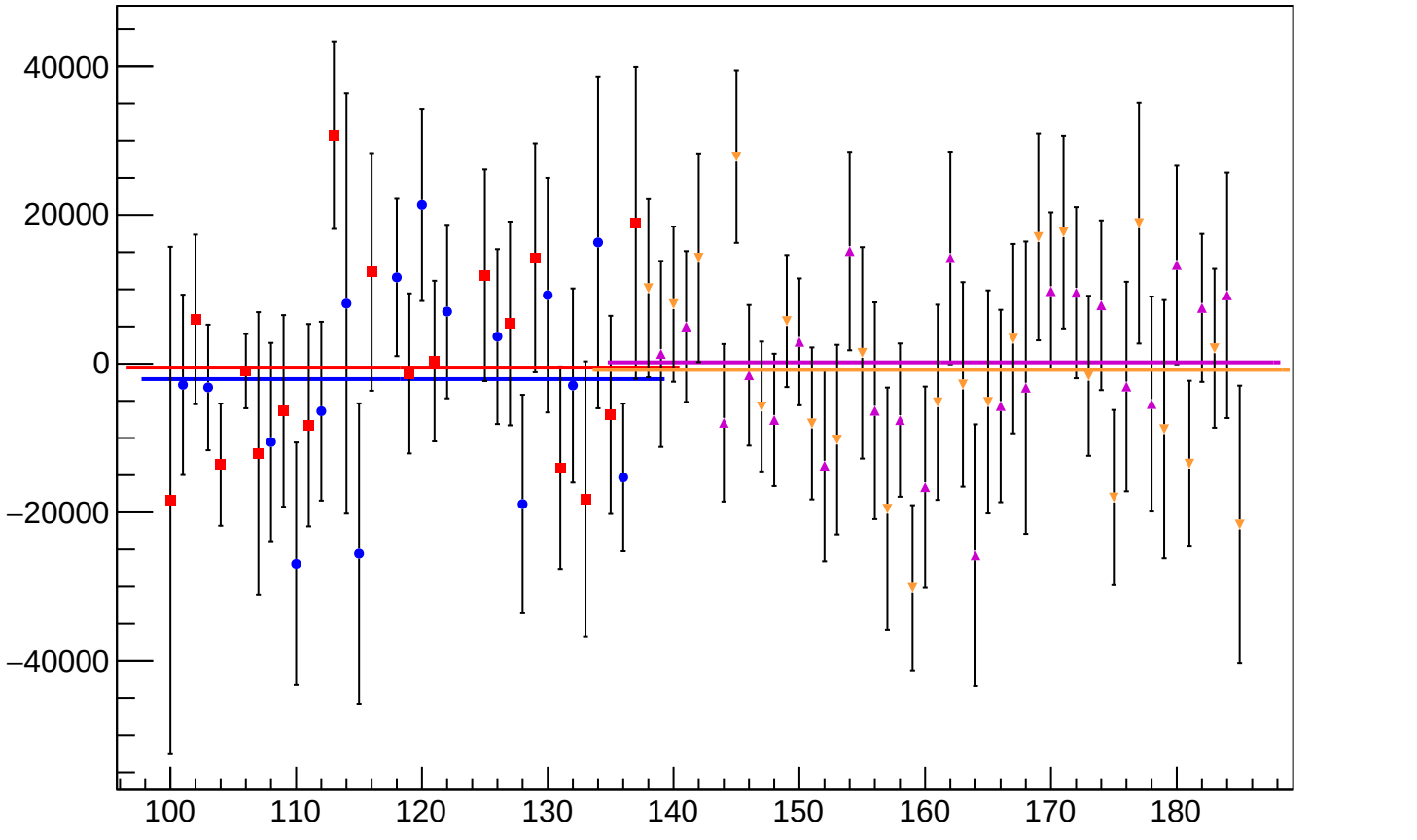
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2193.468+/-0.306 χ^2/NDF: 286460.8/39

All: 2186.418+/-0.217 χ^2/NDF: 657267.1/80

- sign 2179.369+/-0.306 χ^2/NDF: 369747.0/40



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

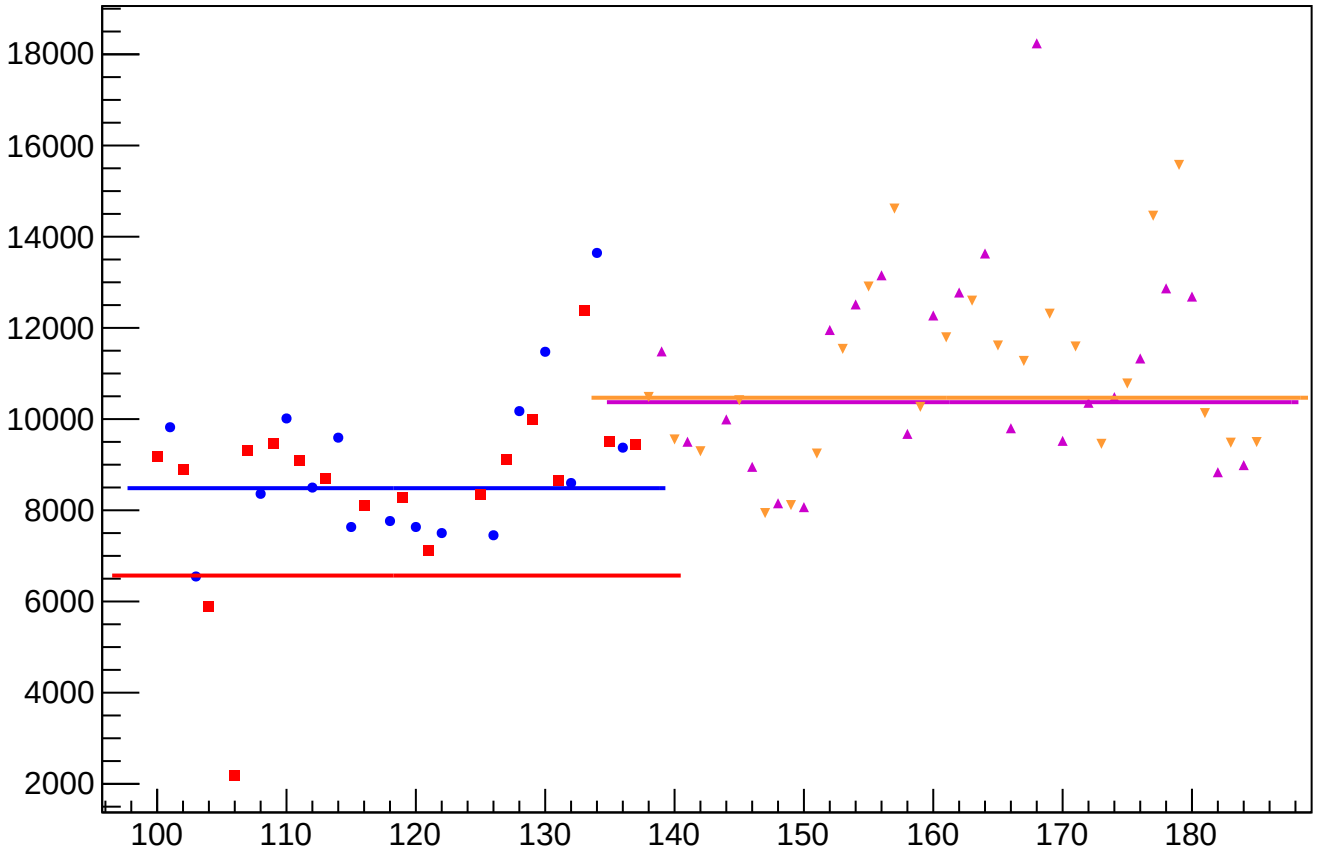
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -1297.448+/-1963.727 χ^2/NDF: 44.0/39

All: -675.341+/-1337.892 χ^2/NDF: 73.6/80

- sign -136.426+/-1827.717 χ^2/NDF: 29.5/40



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

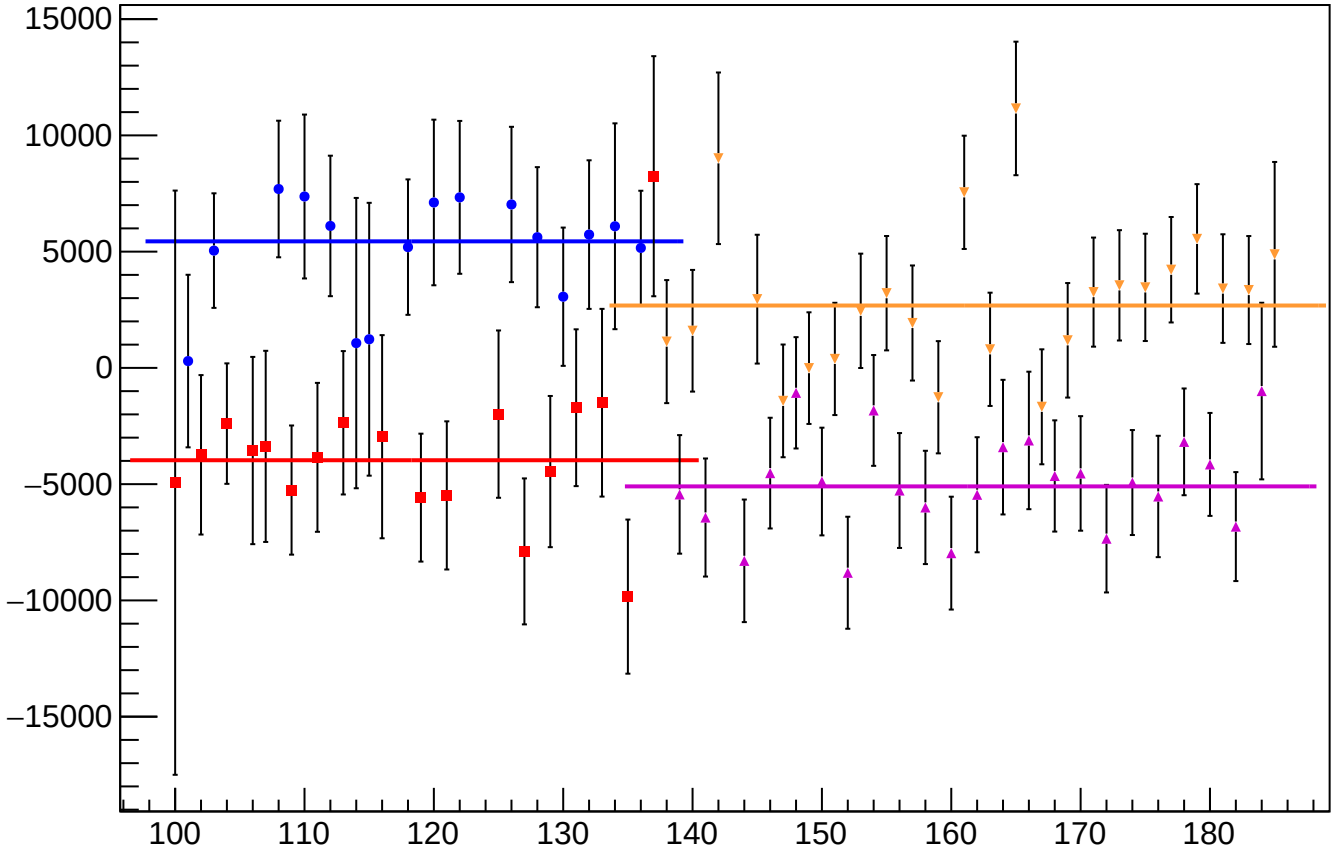
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 9727.269+/-1.389 χ^2/NDF: 1945647.2/39

All: 9149.255+/-0.946 χ^2/NDF: 8186358.7/80

- 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: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

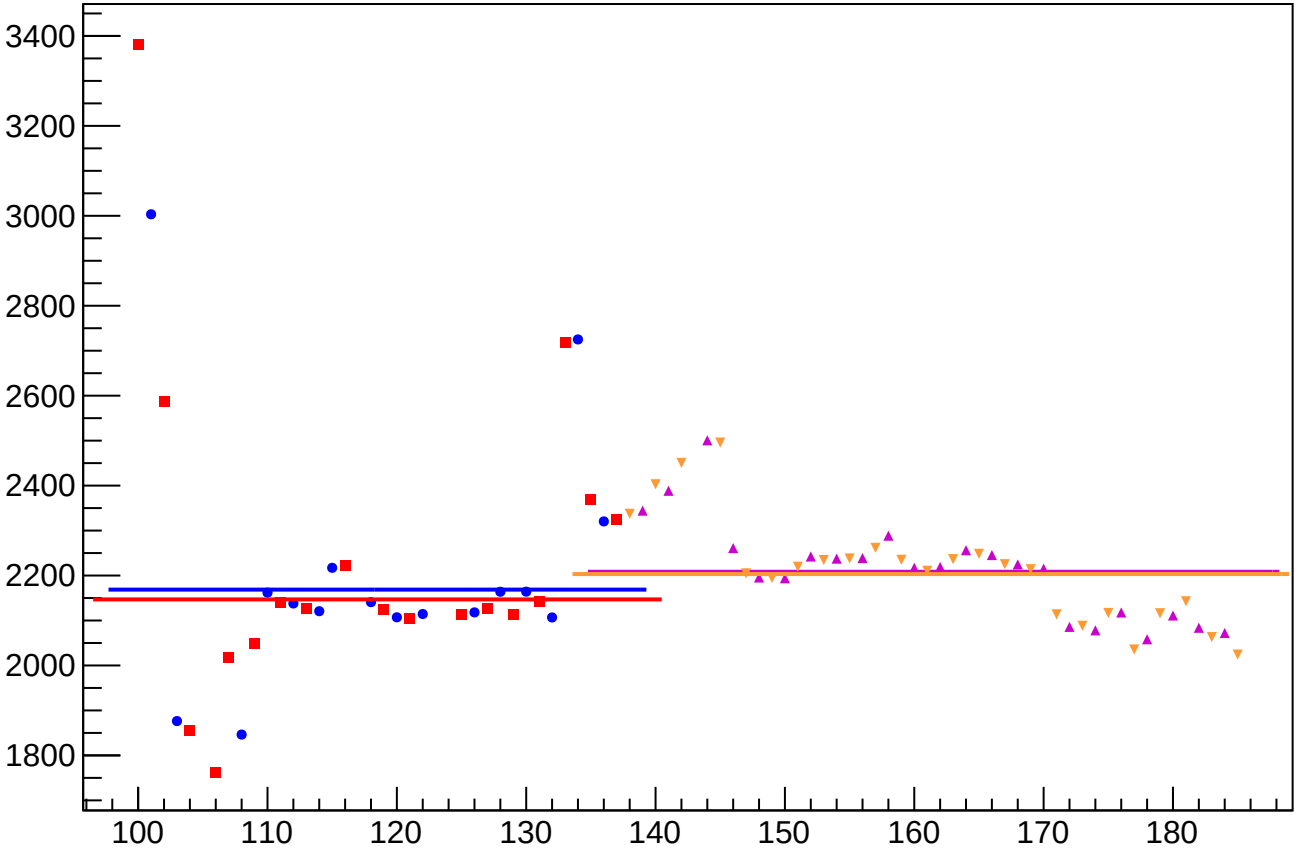
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3467.171+/-433.186 χ^2/NDF: 44.5/39

All: -632.889+/-307.013 χ^2/NDF: 253.7/80

- 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: 2203.297+/-0.362 χ^2/NDF:88208.3/23

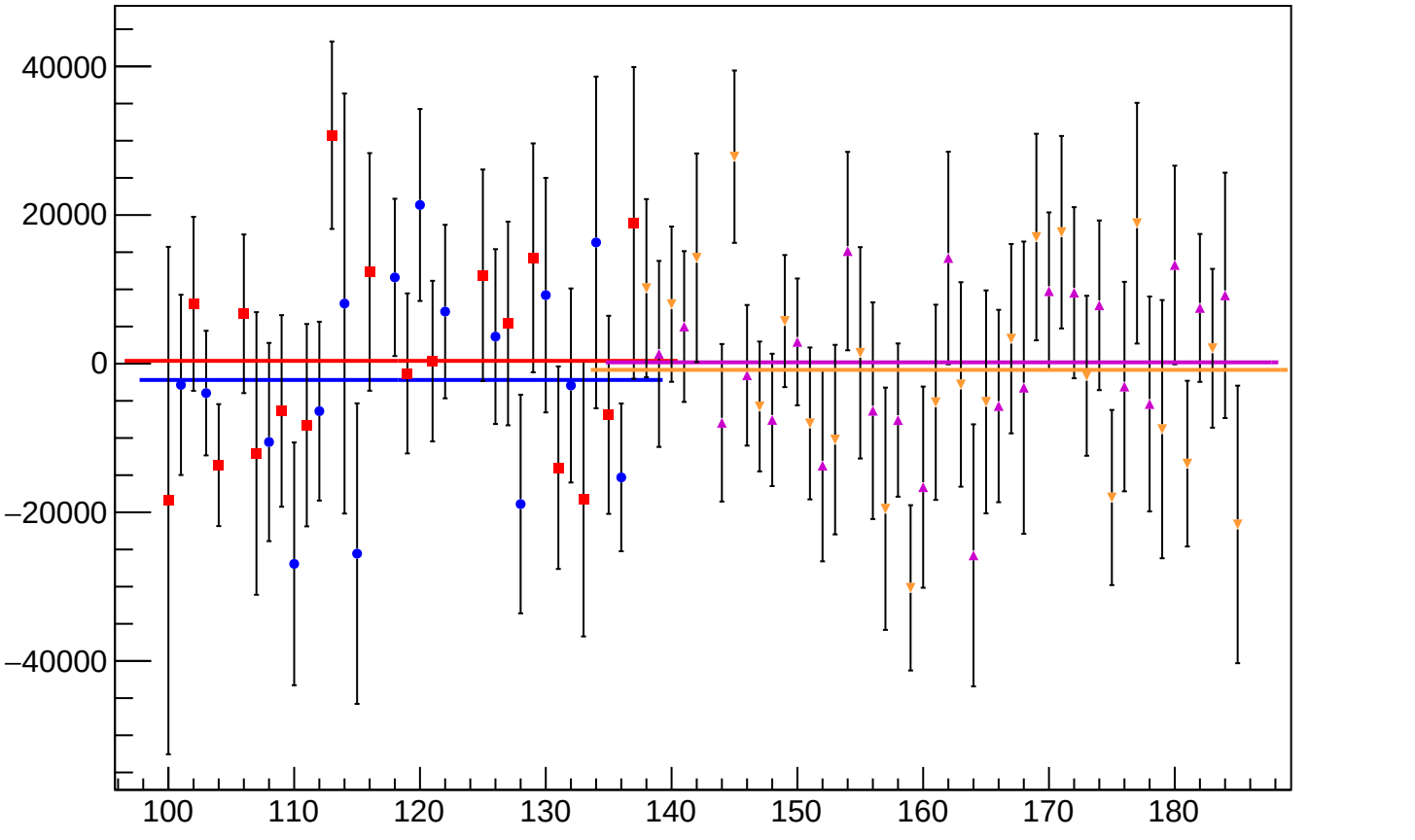
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

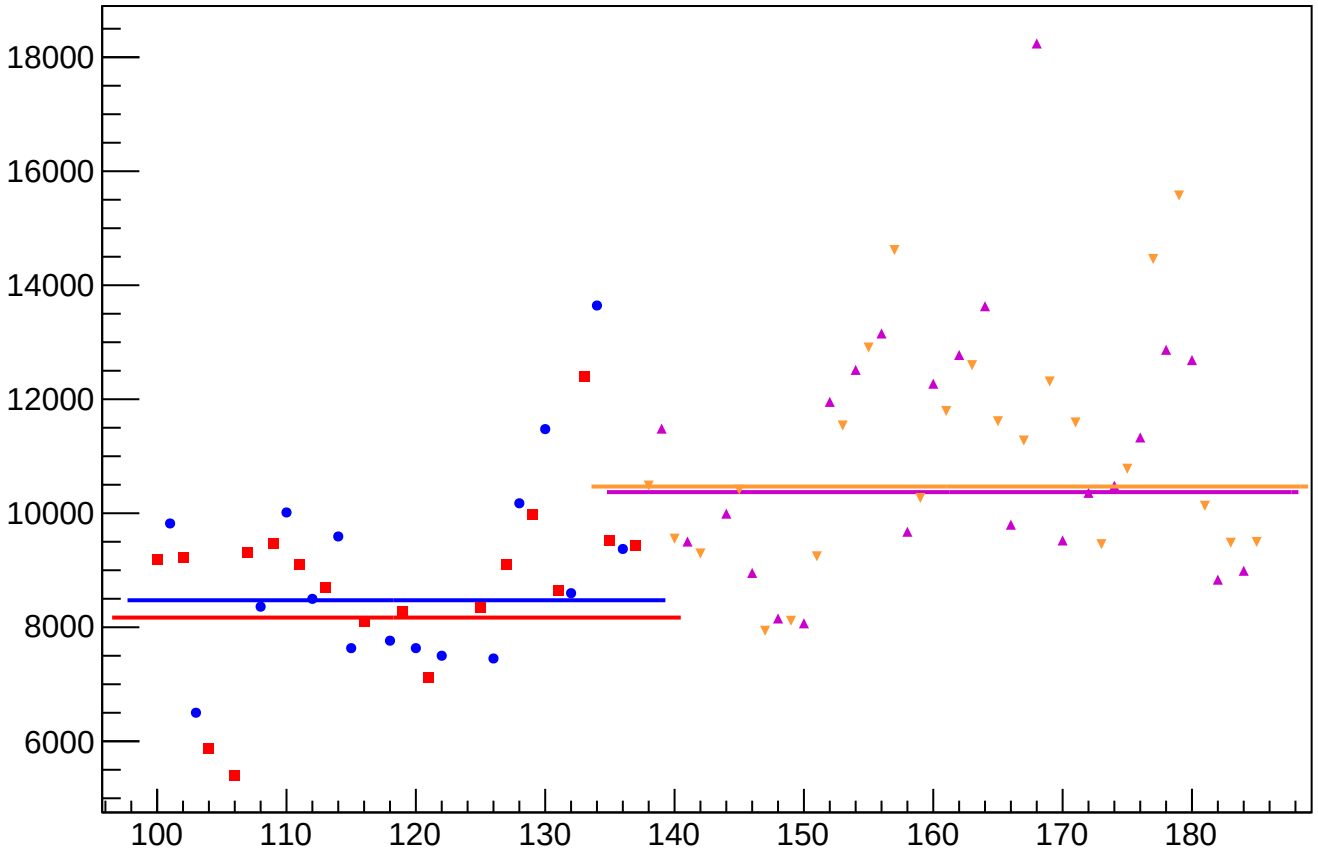
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2193.468+/-0.306 χ^2/NDF: 286461.2/39

All: 2191.969+/-0.217 χ^2/NDF: 533523.4/80

- sign 2190.461+/-0.307 χ^2/NDF: 247014.2/40


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -1340.899+/-1962.911 χ²/NDF: 44.0/39
All: -528.472+/-1377.057 χ²/NDF: 74.4/80
- sign 258.859+/-1932.355 χ²/NDF: 30.1/40



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

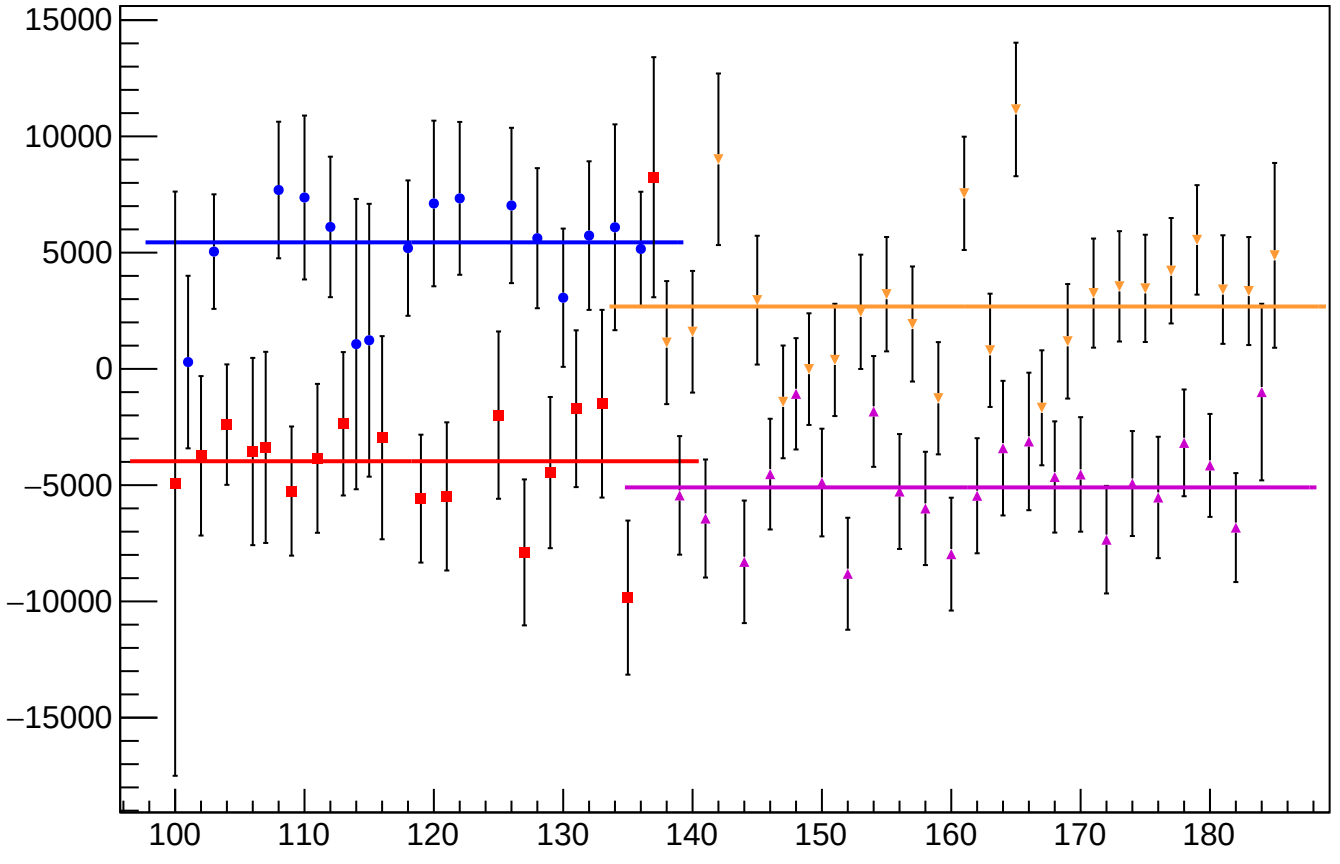
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9722.023+/-1.388 χ^2/NDF: 1958599.1/39

All: 9617.248+/-0.974 χ^2/NDF: 4329897.7/80

- 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: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

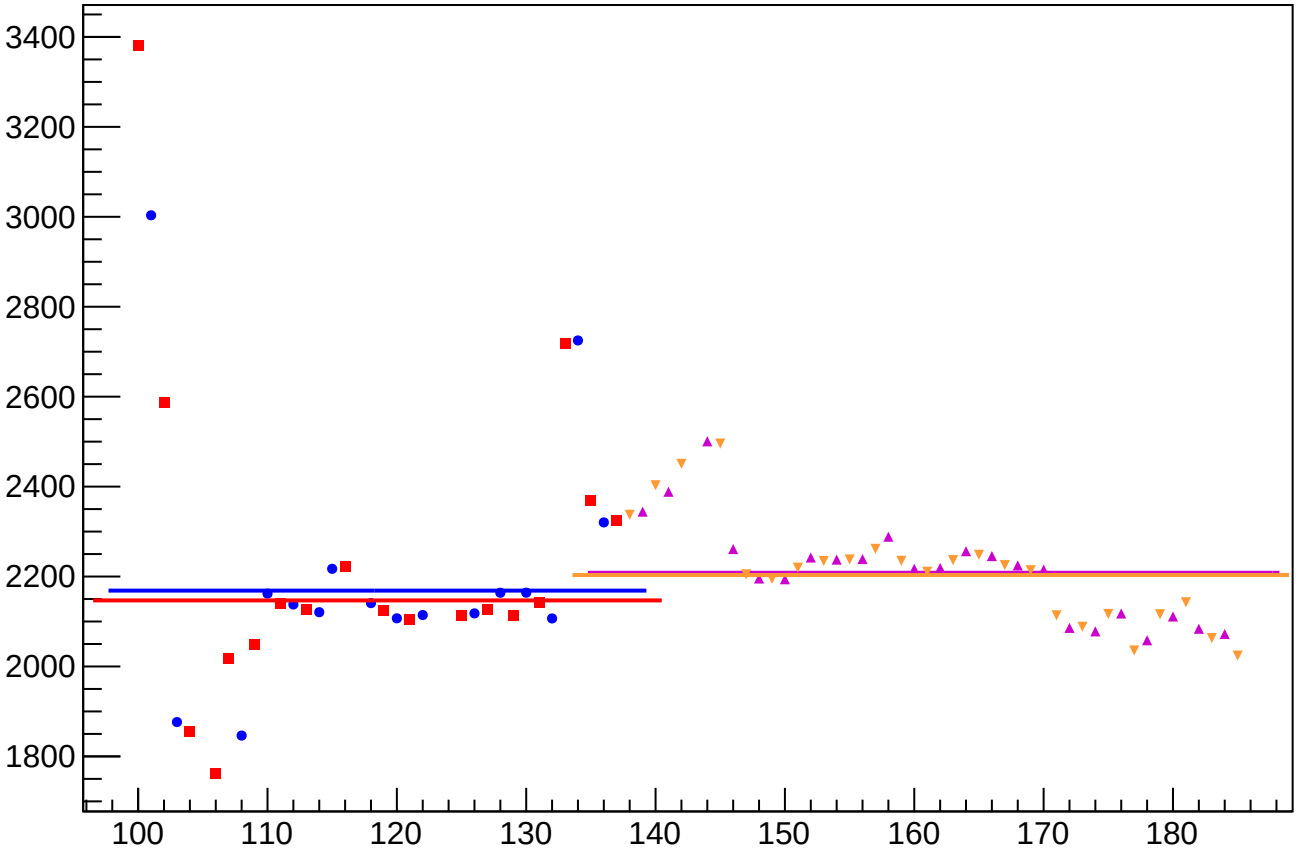
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3467.171+/-433.186 χ^2/NDF: 44.5/39

All: -632.889+/-307.013 χ^2/NDF: 253.7/80

- 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: 2203.297+/-0.362 χ^2/NDF:88208.3/23

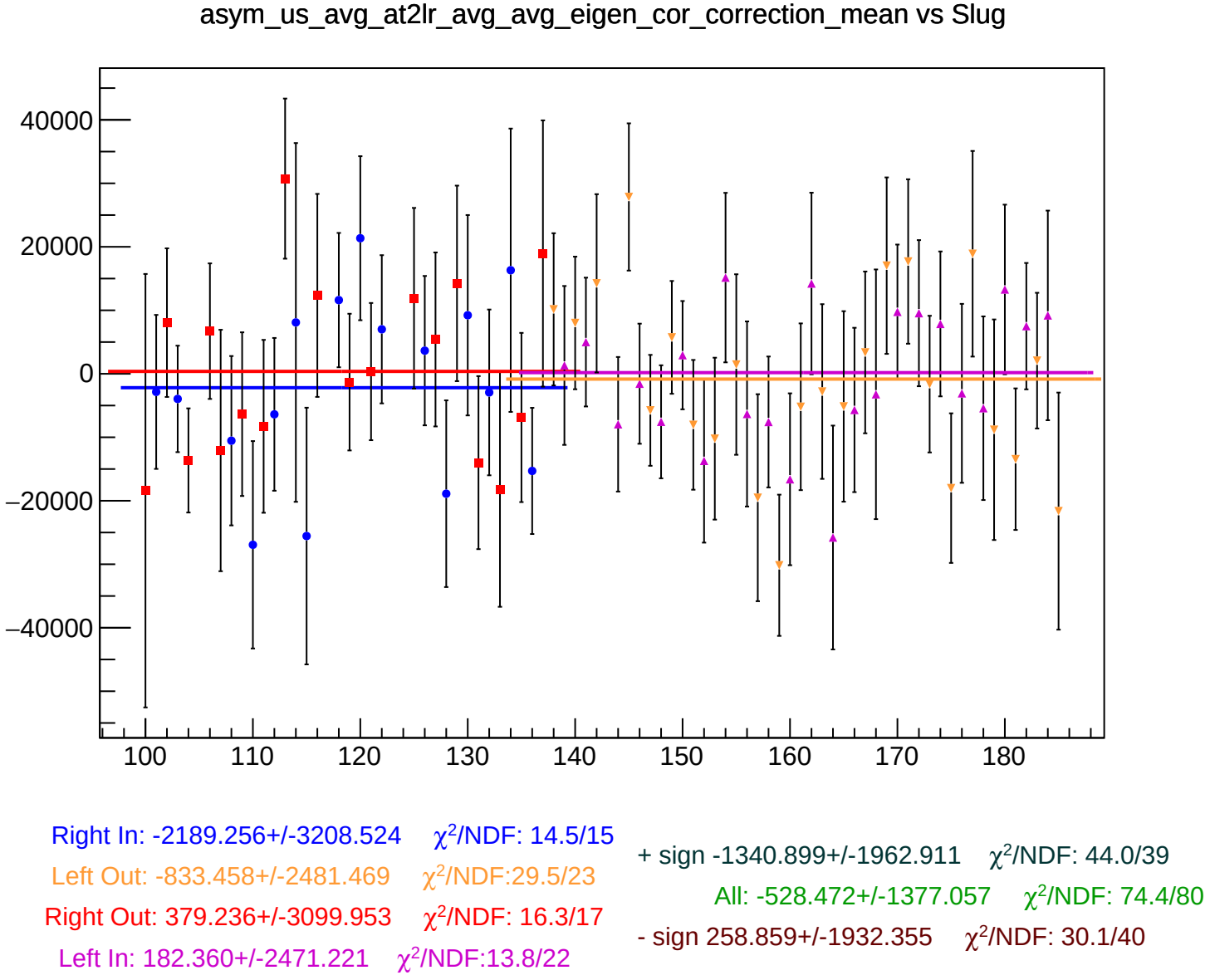
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

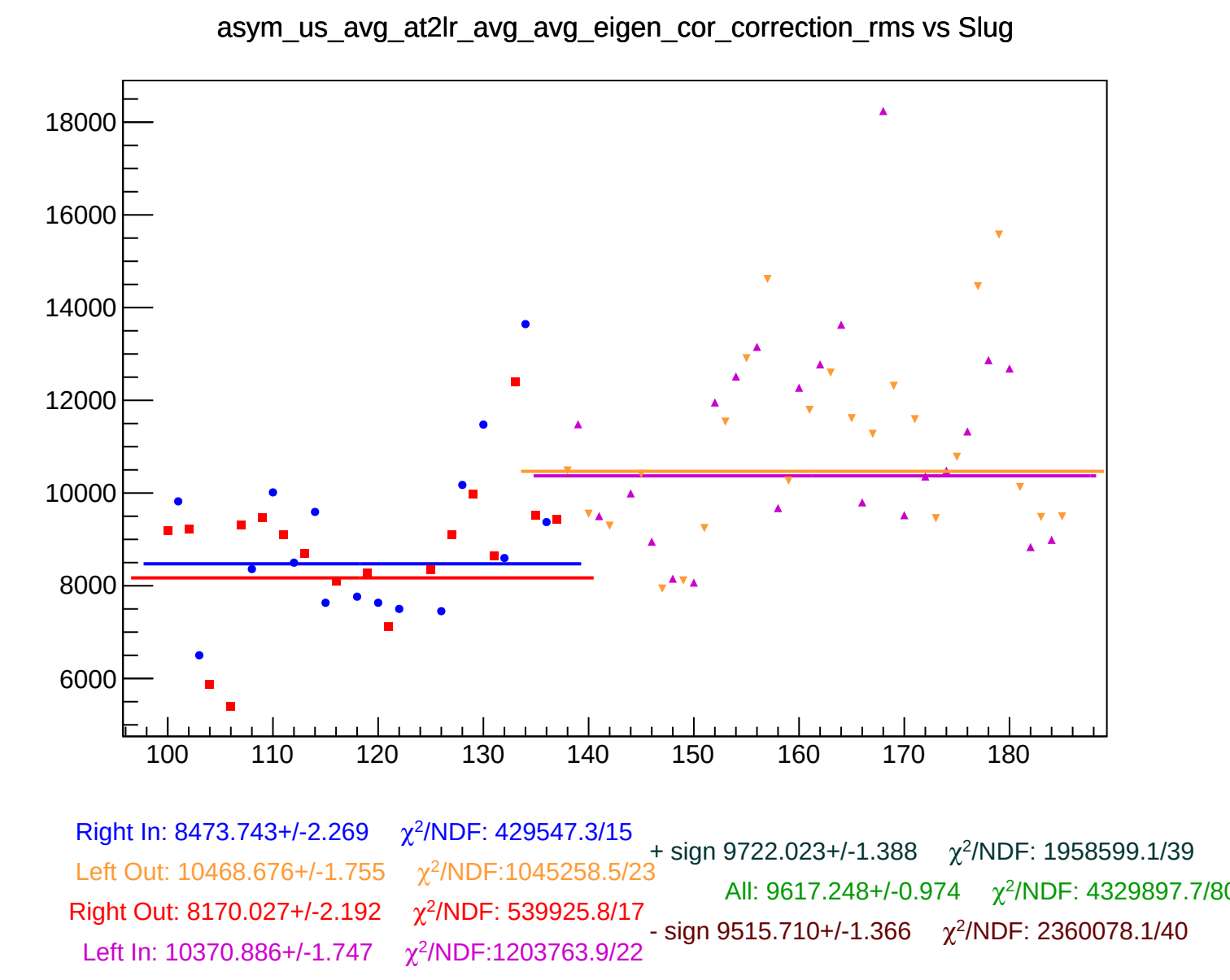
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2193.468+/-0.306 χ^2/NDF: 286461.2/39

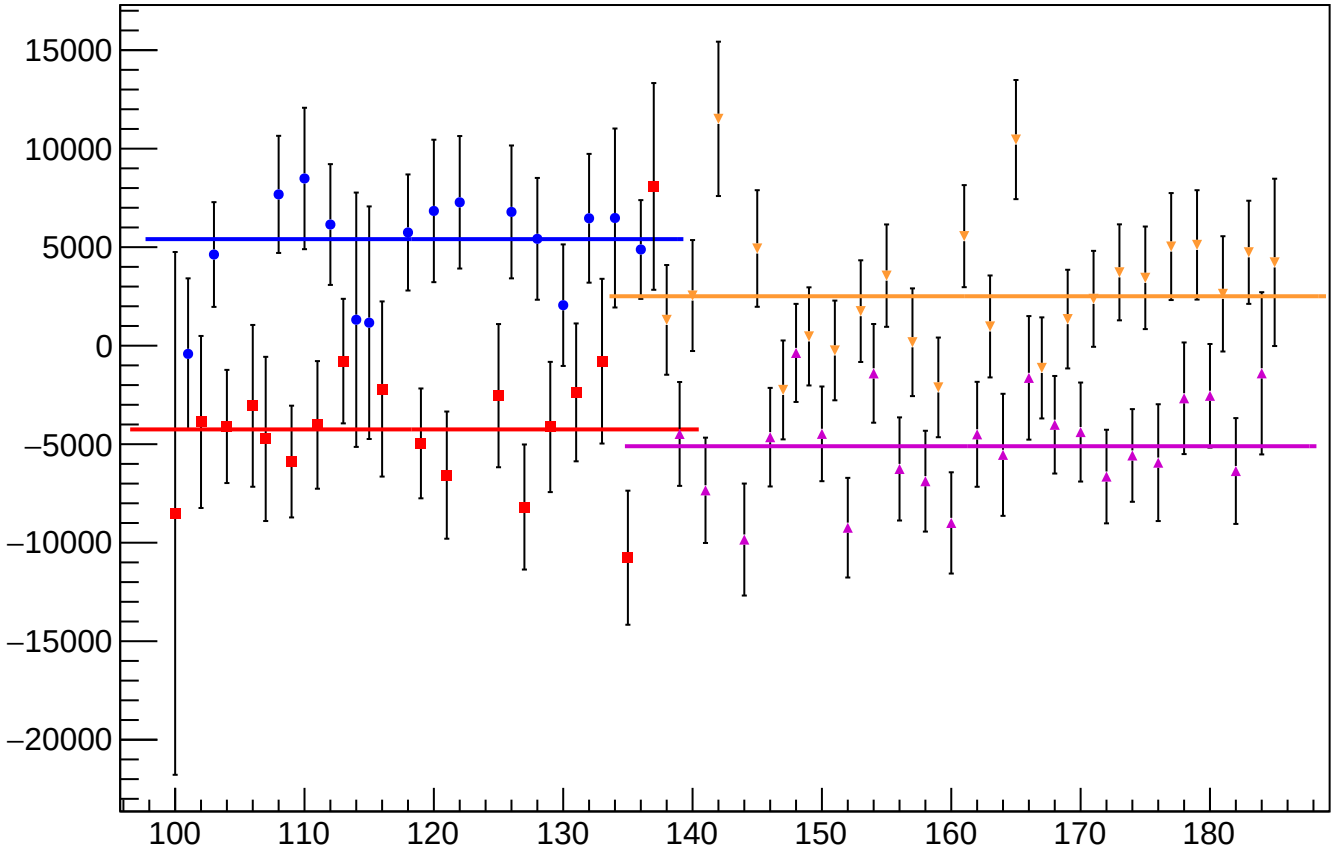
All: 2191.969+/-0.217 χ^2/NDF: 533523.4/80

- sign 2190.461+/-0.307 χ^2/NDF: 247014.2/40


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -1340.899+/-1962.911 χ²/NDF: 44.0/39
All: -528.472+/-1377.057 χ²/NDF: 74.4/80
- sign 258.859+/-1932.355 χ²/NDF: 30.1/40


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
+ sign 9722.023+/-1.388 χ²/NDF: 1958599.1/39
All: 9617.248+/-0.974 χ²/NDF: 4329897.7/80
- sign 9515.710+/-1.366 χ²/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: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

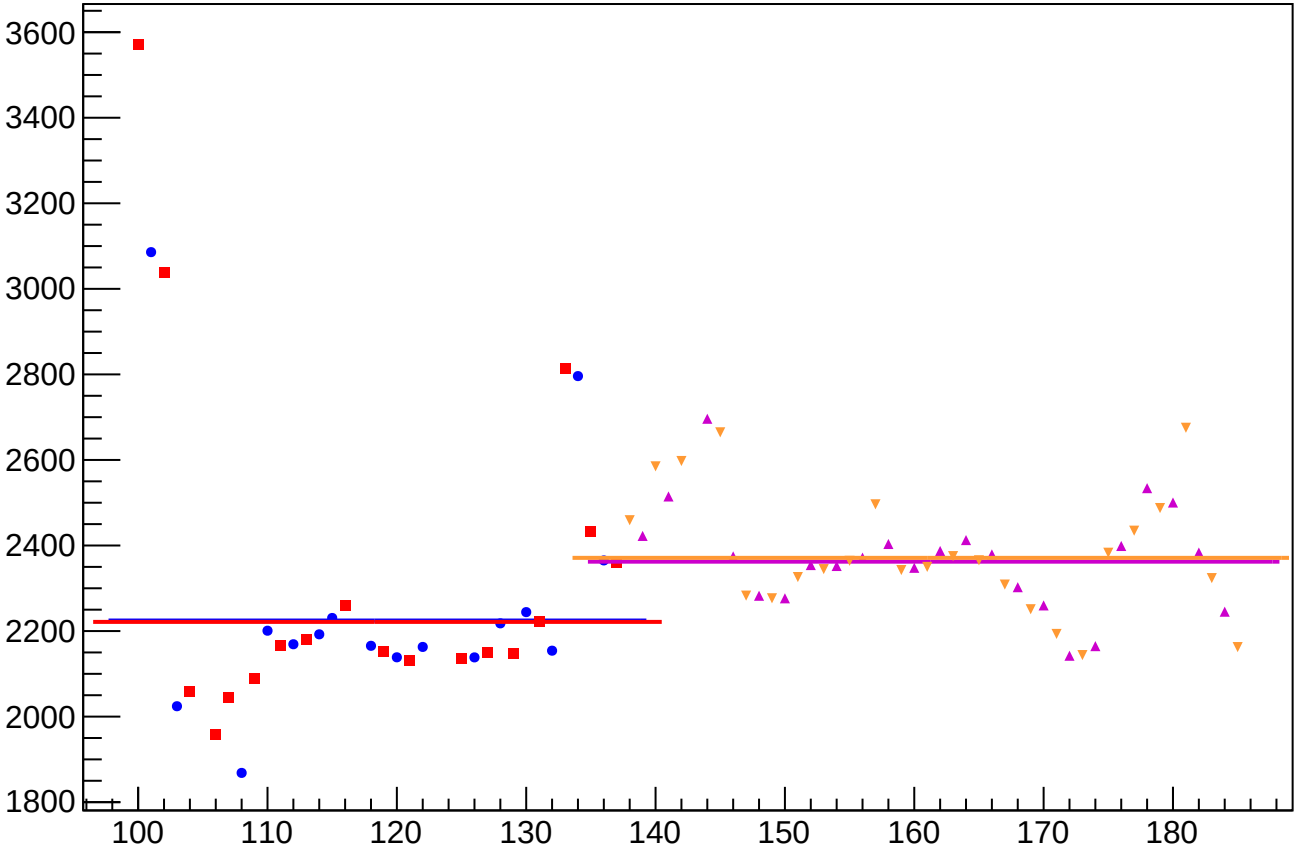
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3391.620+/-460.024 χ^2/NDF: 44.9/39

All: -713.171+/-325.821 χ^2/NDF: 239.8/80

- 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: 2371.137+/-0.390 χ^2/NDF:116296.5/23

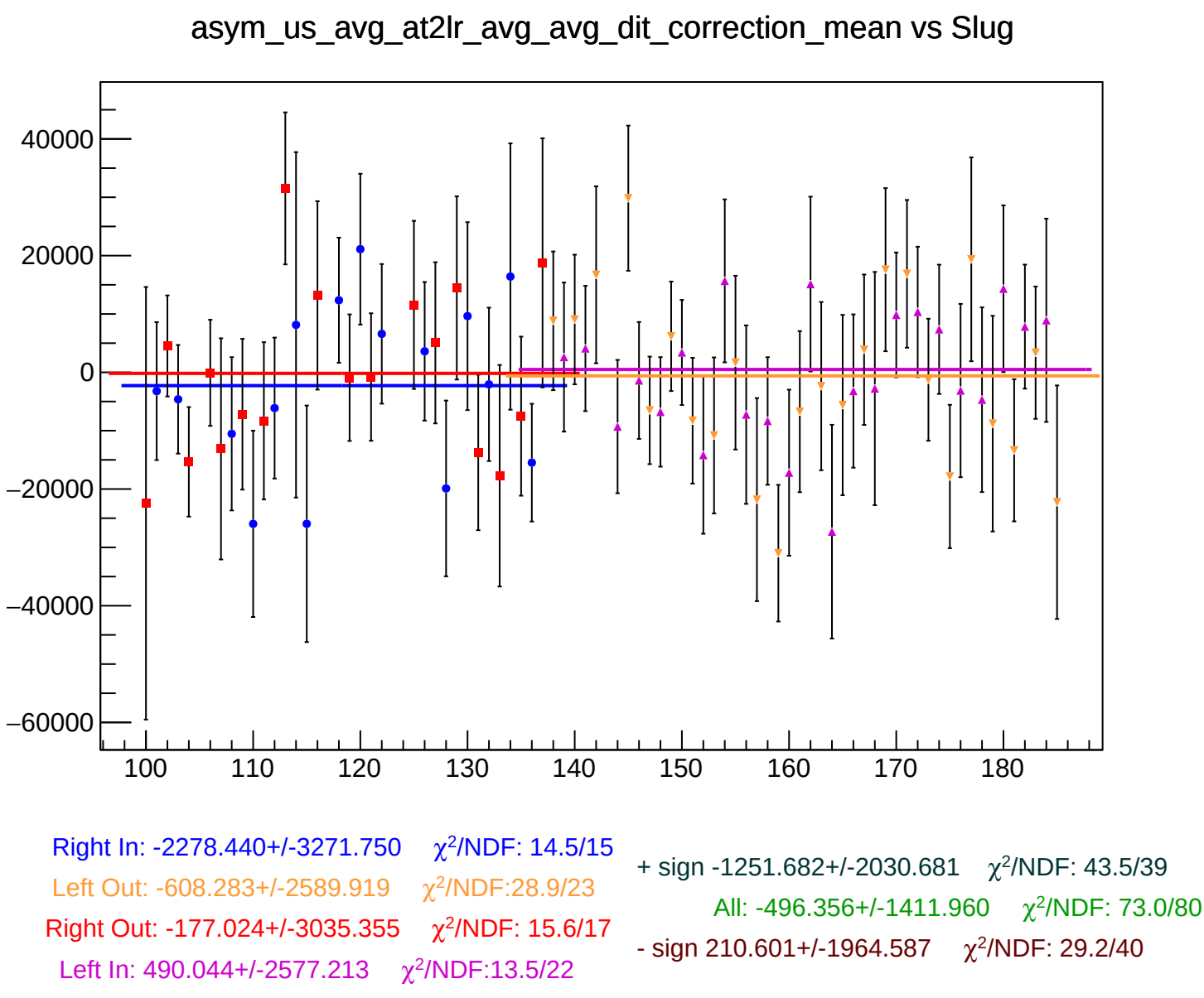
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

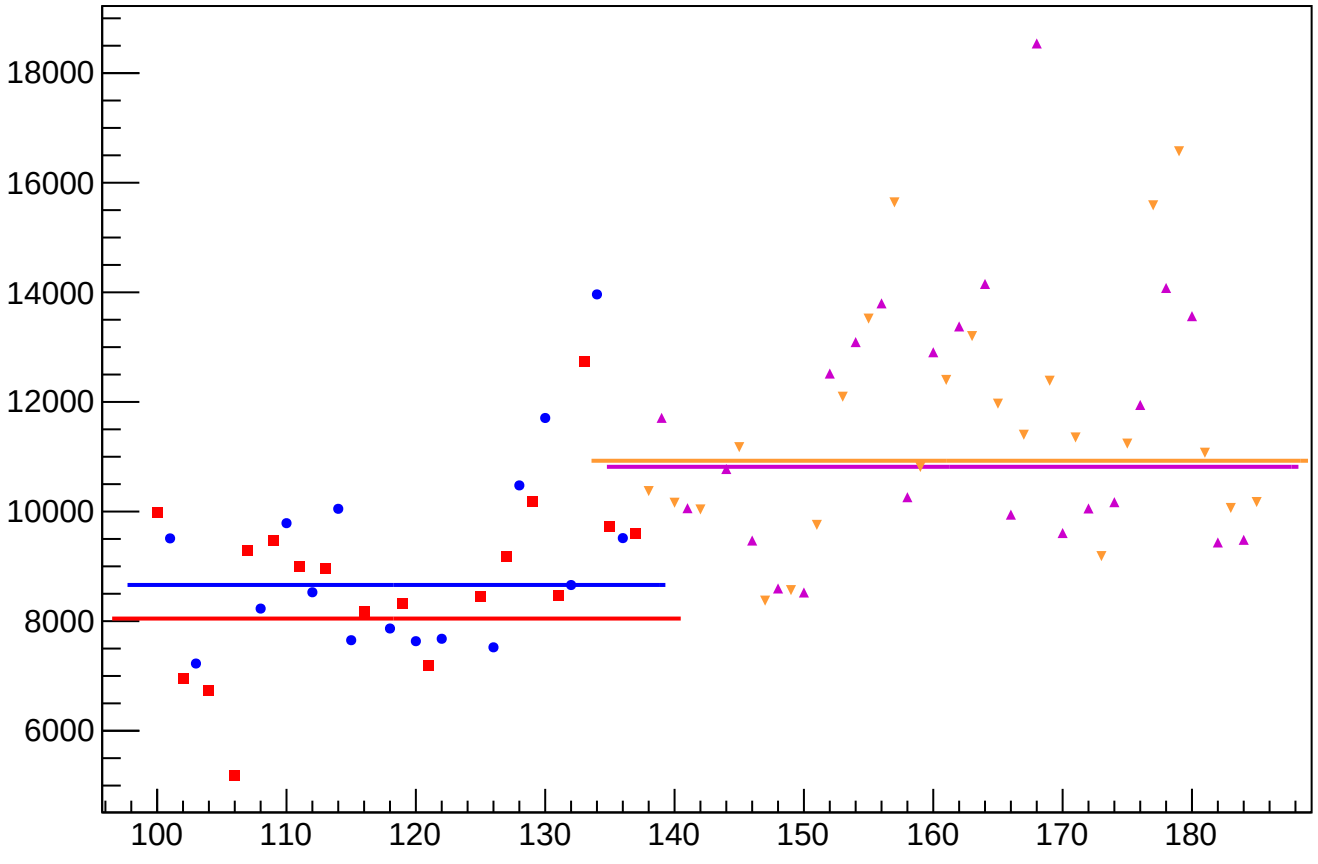
Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.524+/-0.325 χ^2/NDF: 343944.3/39

All: 2323.077+/-0.230 χ^2/NDF: 645303.6/80

- sign 2319.609+/-0.326 χ^2/NDF: 301134.0/40


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
180
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: 490.044+/-2577.213 χ²/NDF:13.5/22
+ sign -1251.682+/-2030.681 χ²/NDF: 43.5/39
All: -496.356+/-1411.960 χ²/NDF: 73.0/80
- sign 210.601+/-1964.587 χ²/NDF: 29.2/40



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

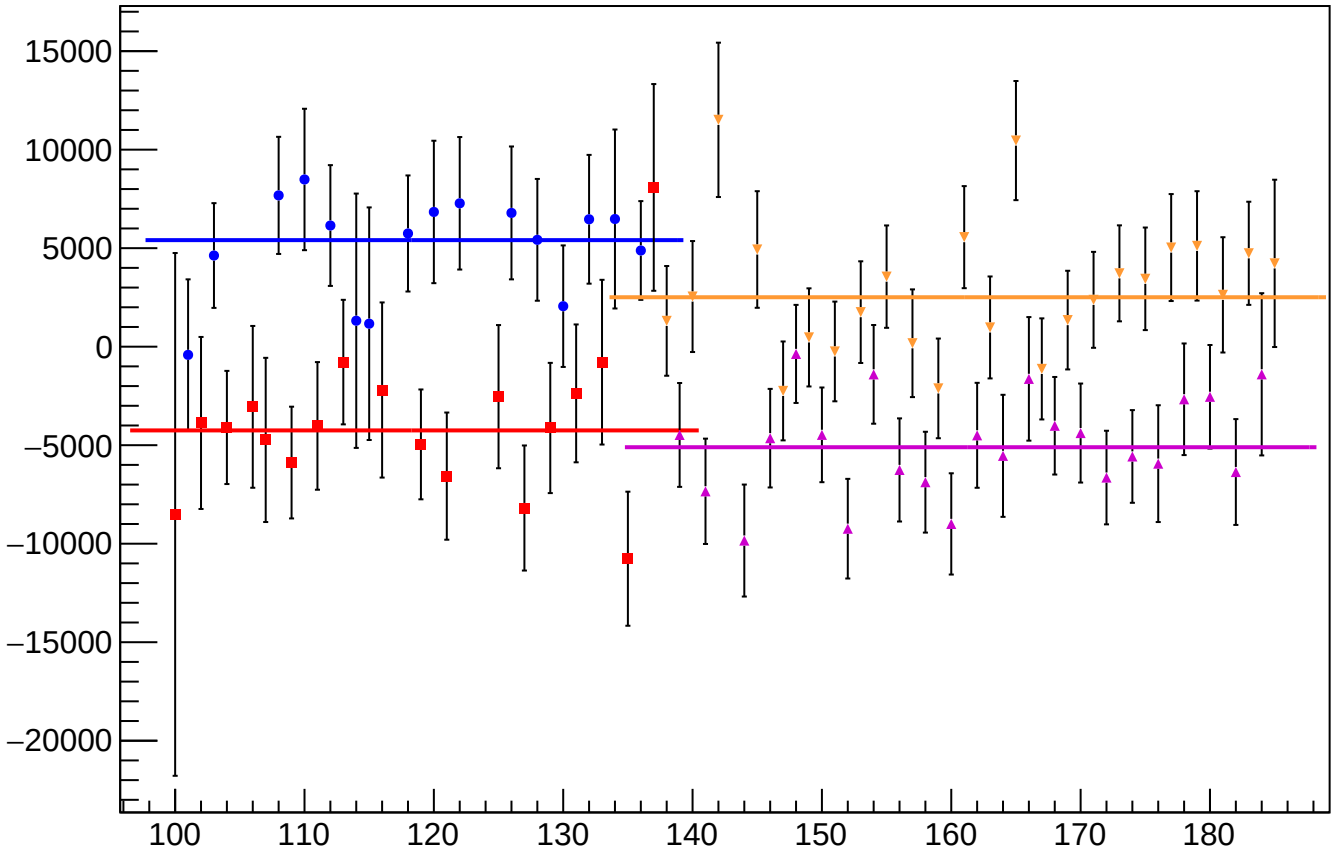
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10053.874+/-1.436 χ^2/NDF: 2005153.6/39

All: 9848.568+/-0.998 χ^2/NDF: 4767173.9/80

- 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: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

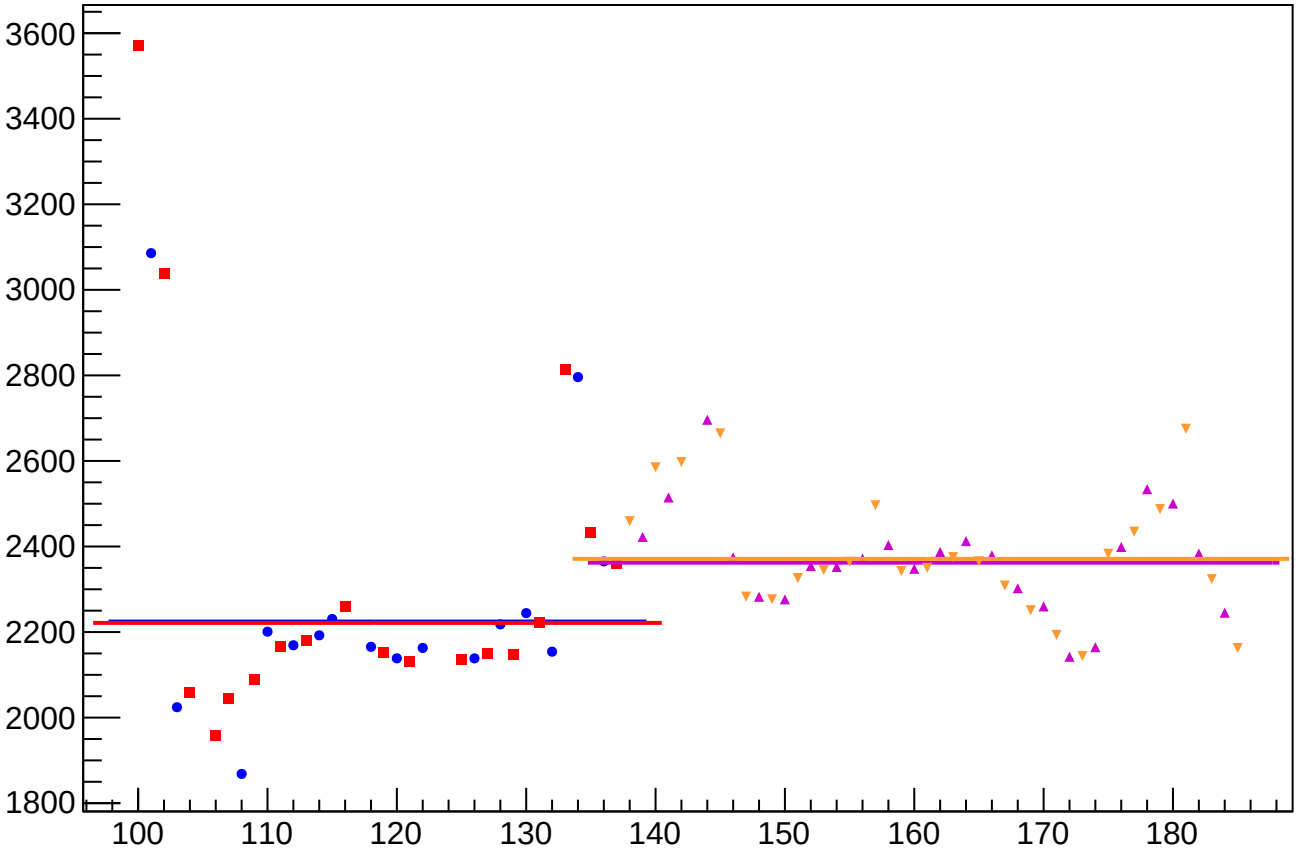
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

\+ sign 3391.614+/-460.025 χ^2/NDF: 44.9/39

All: -713.176+/-325.821 χ^2/NDF: 239.8/80

\- 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: 2371.140+/-0.390 χ^2/NDF:116300.8/23

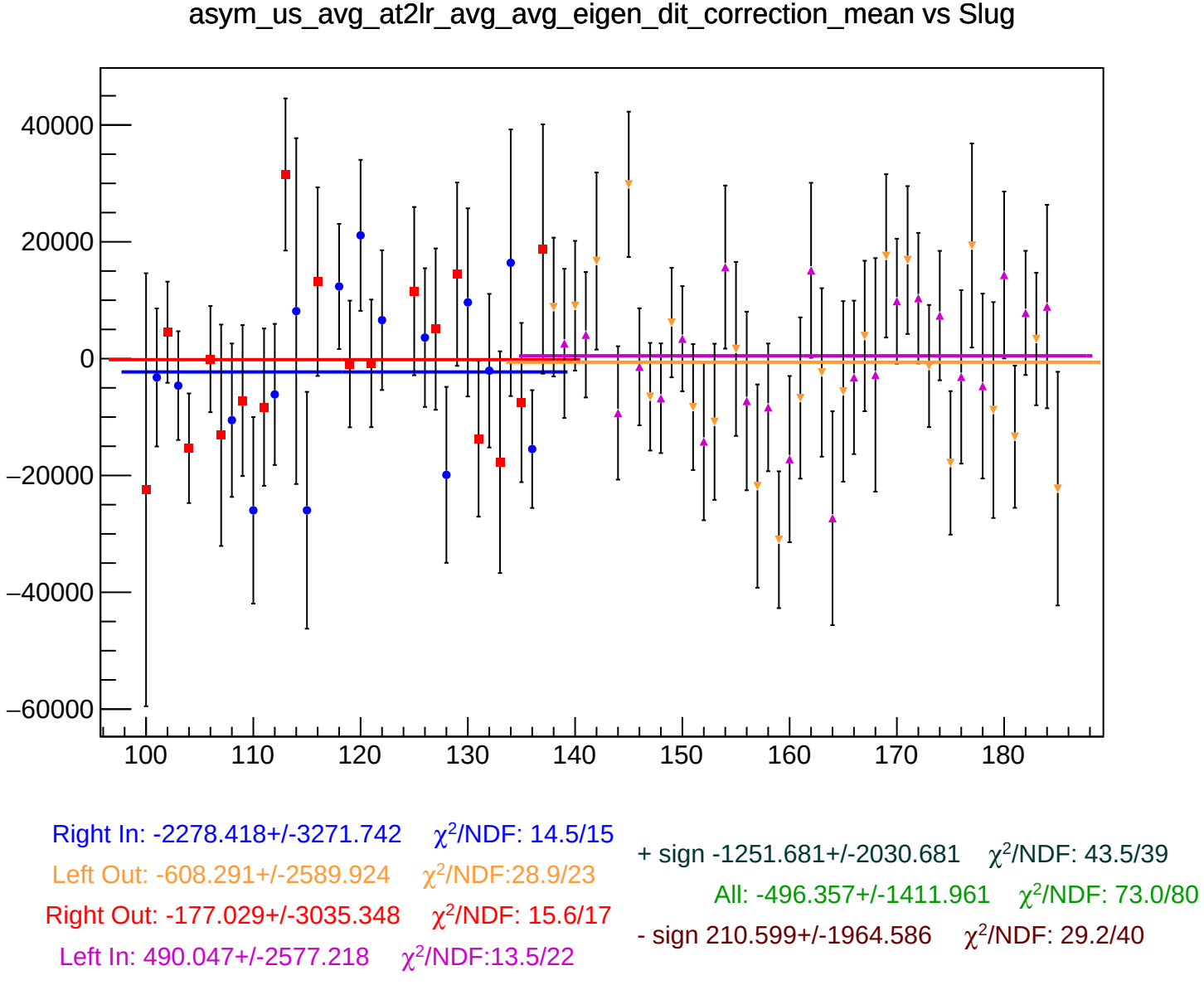
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

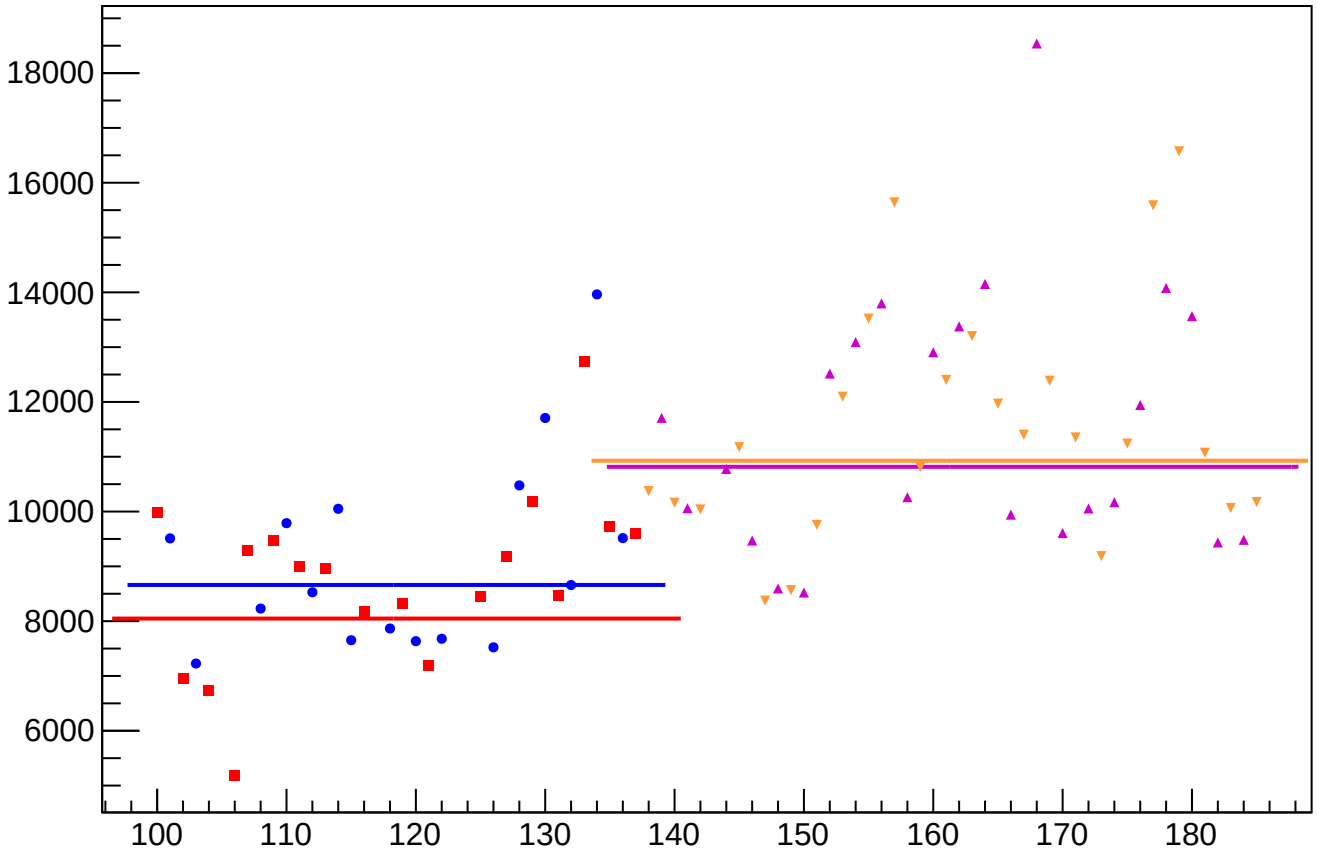
Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2326.526+/-0.325 χ^2/NDF: 343951.1/39

All: 2323.079+/-0.230 χ^2/NDF: 645317.2/80

- 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: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: -177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: 490.047+/-2577.218 χ²/NDF:13.5/22
+ sign -1251.681+/-2030.681 χ²/NDF: 43.5/39
All: -496.357+/-1411.961 χ²/NDF: 73.0/80
- sign 210.599+/-1964.586 χ²/NDF: 29.2/40



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

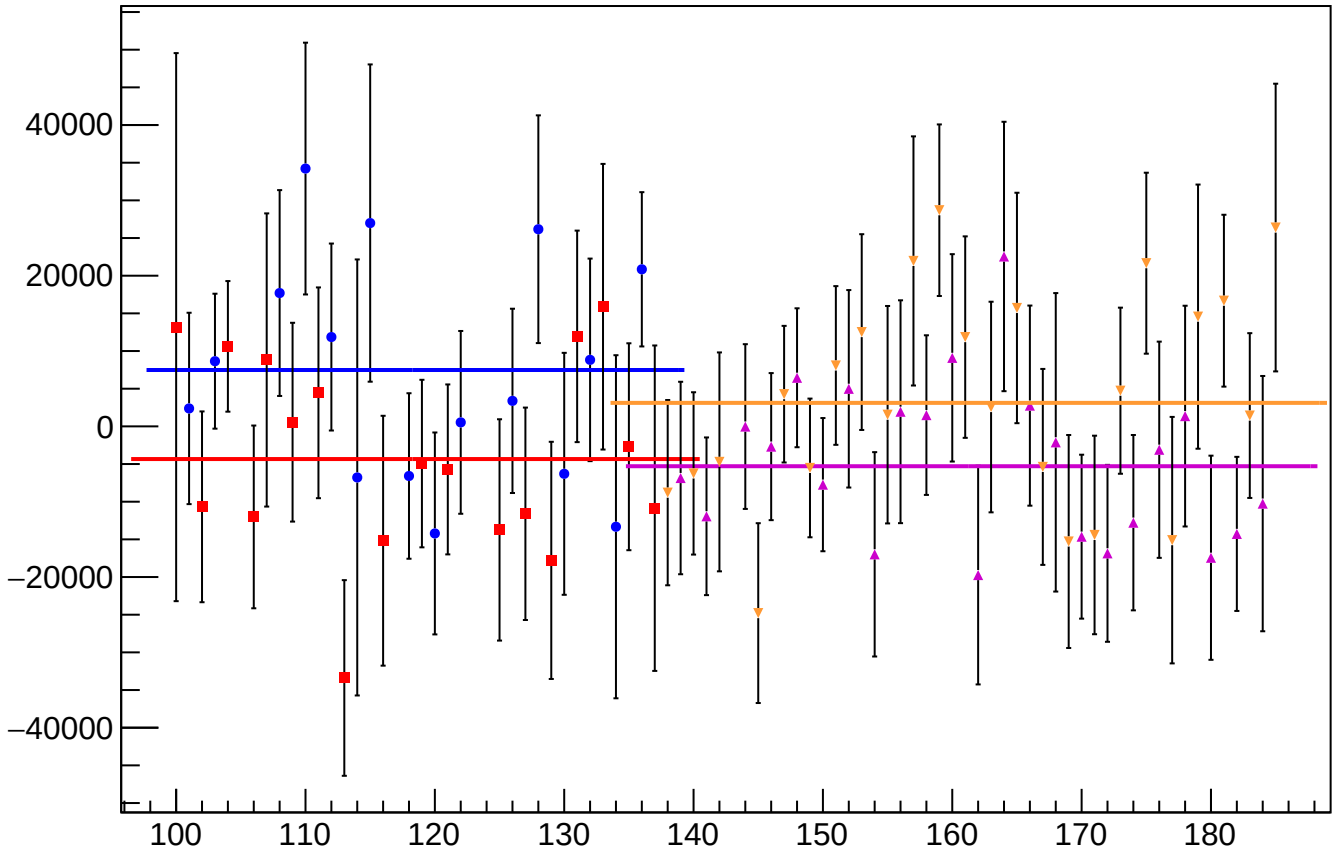
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10053.872+/-1.436 χ^2/NDF: 2005179.5/39

All: 9848.566+/-0.998 χ^2/NDF: 4767227.3/80

- sign 9656.407+/-1.389 χ^2/NDF: 2722470.4/40



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

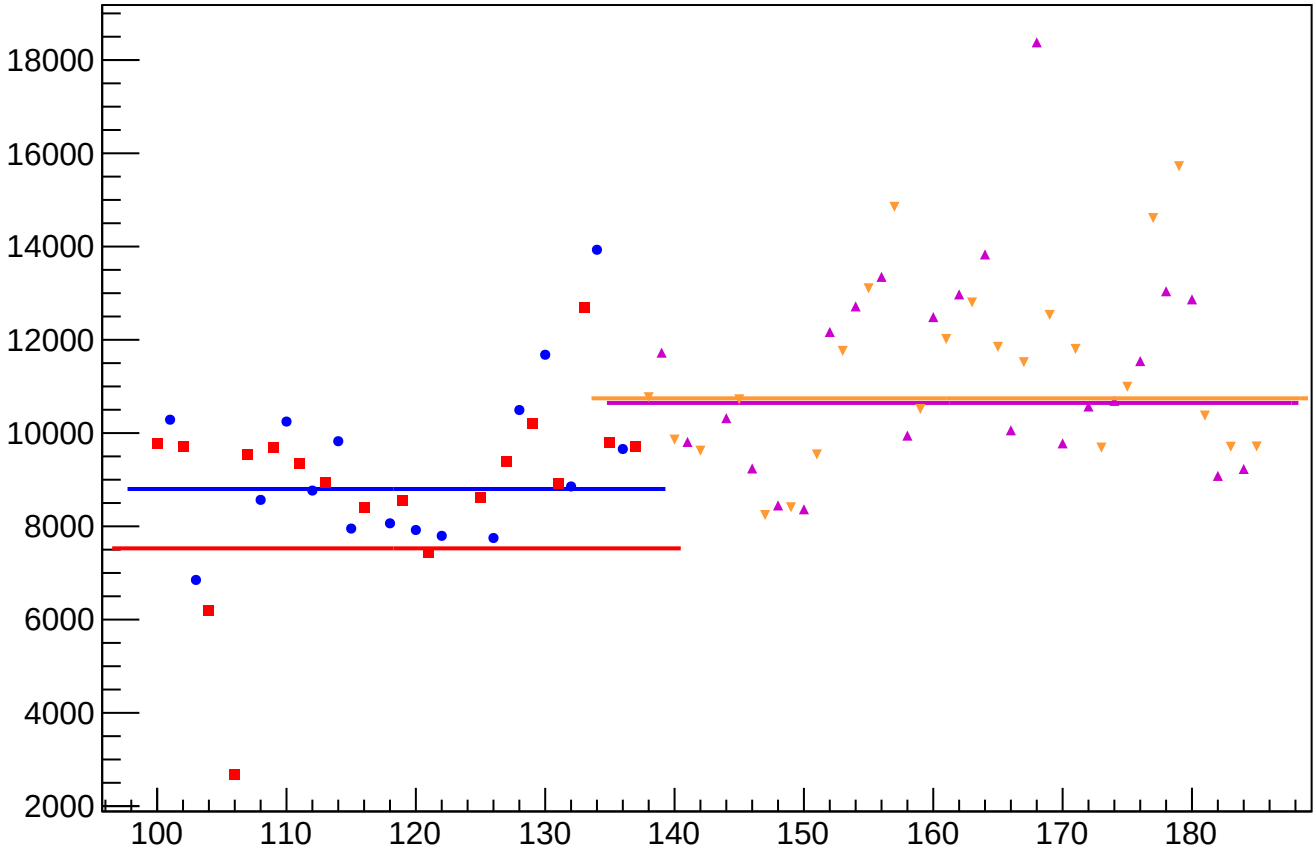
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4725.502+/-2021.200 χ^2/NDF: 42.6/39

All: -162.314+/-1420.266 χ^2/NDF: 81.8/80

- 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: 10745.331+/-1.798 χ^2/NDF:964618.1/23

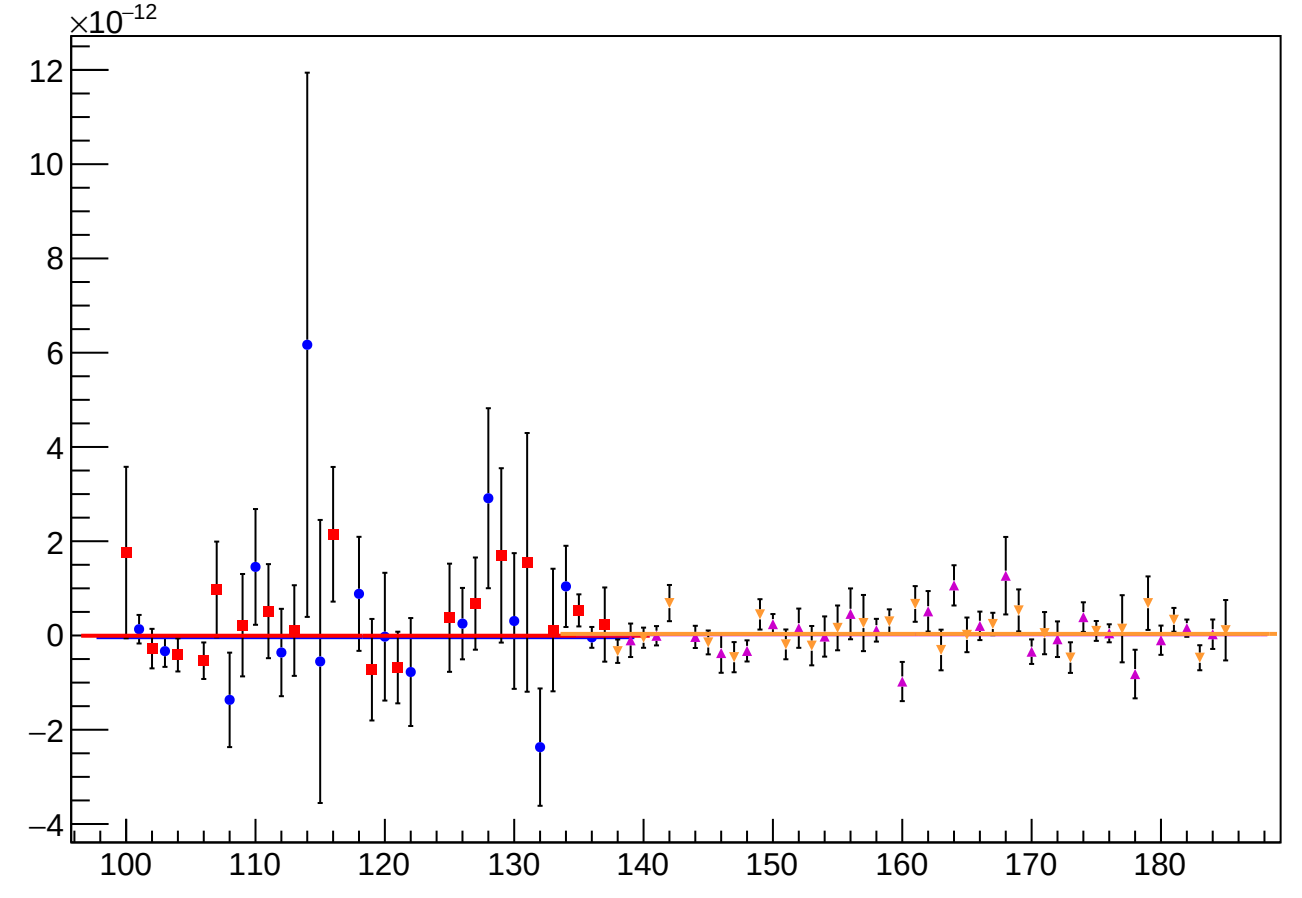
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10029.433+/-1.429 χ^2/NDF: 1789711.5/39

All: 9677.276+/-0.989 χ^2/NDF: 5934574.0/80

- 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:26.3/23

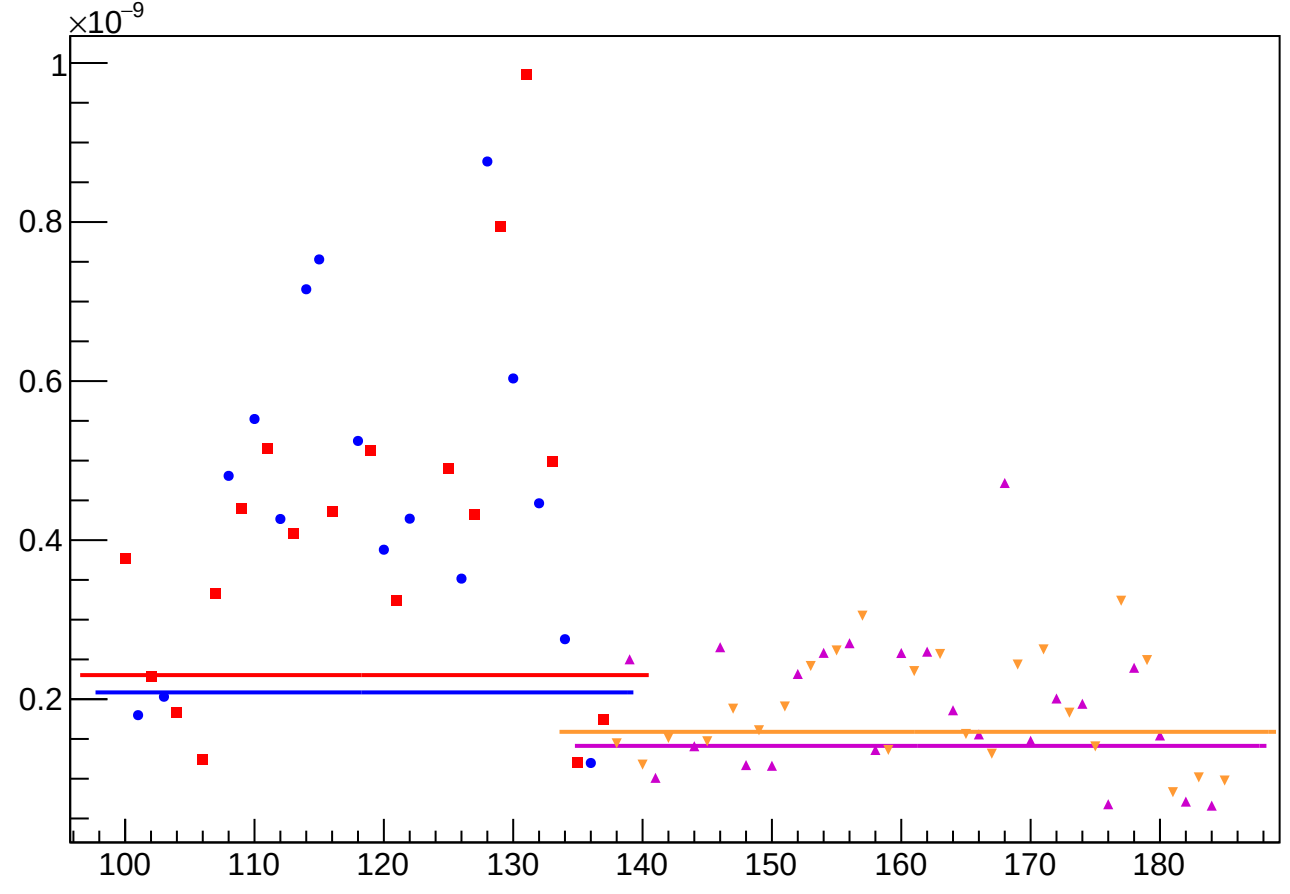
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/39

All: 0.000+/-0.000 χ^2/NDF: 82.4/80

- 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:1297018.7/23

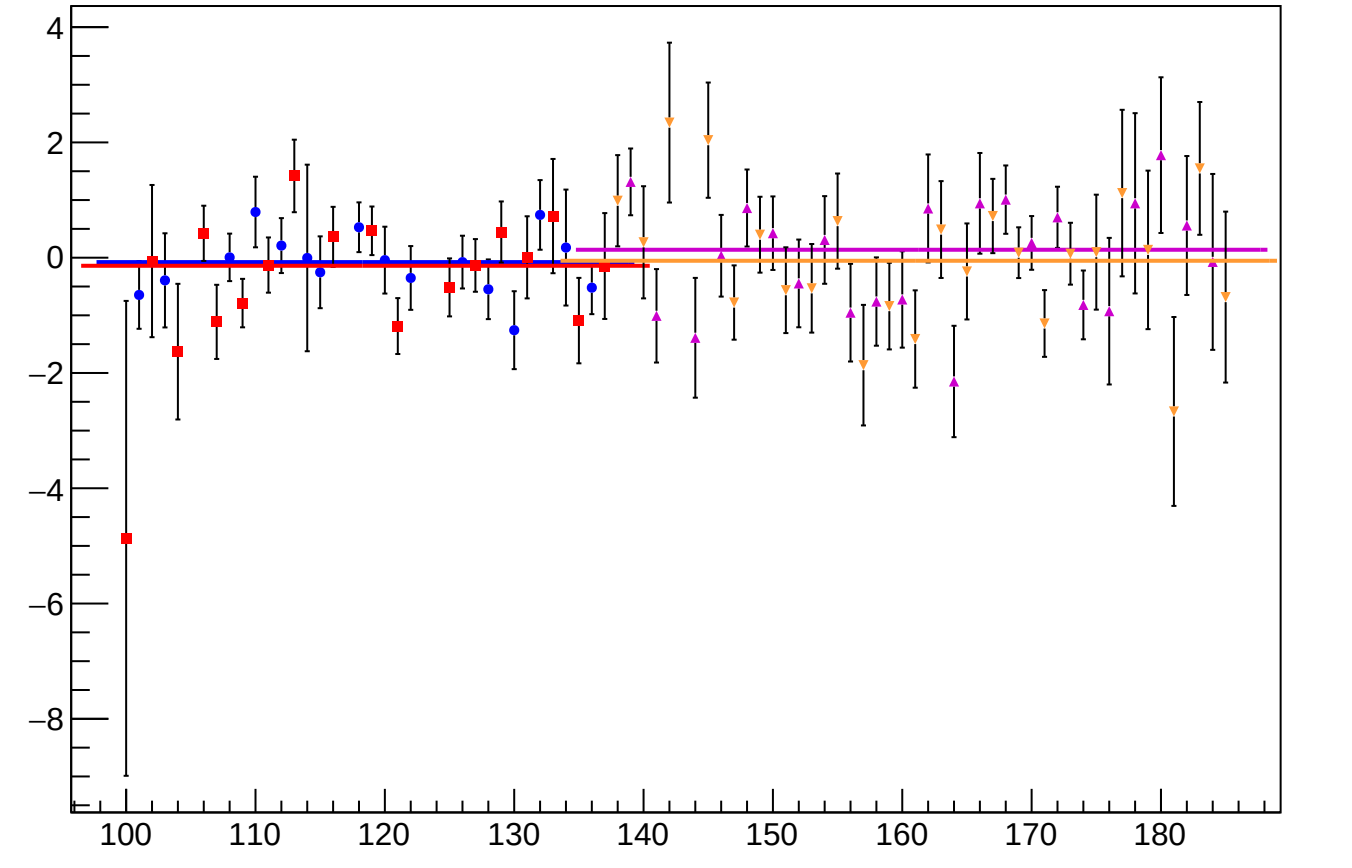
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3131138.4/39

All: 0.000+/-0.000 χ^2/NDF: 7715452.8/80

- 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: -0.053+/-0.161 χ^2/NDF:30.1/23

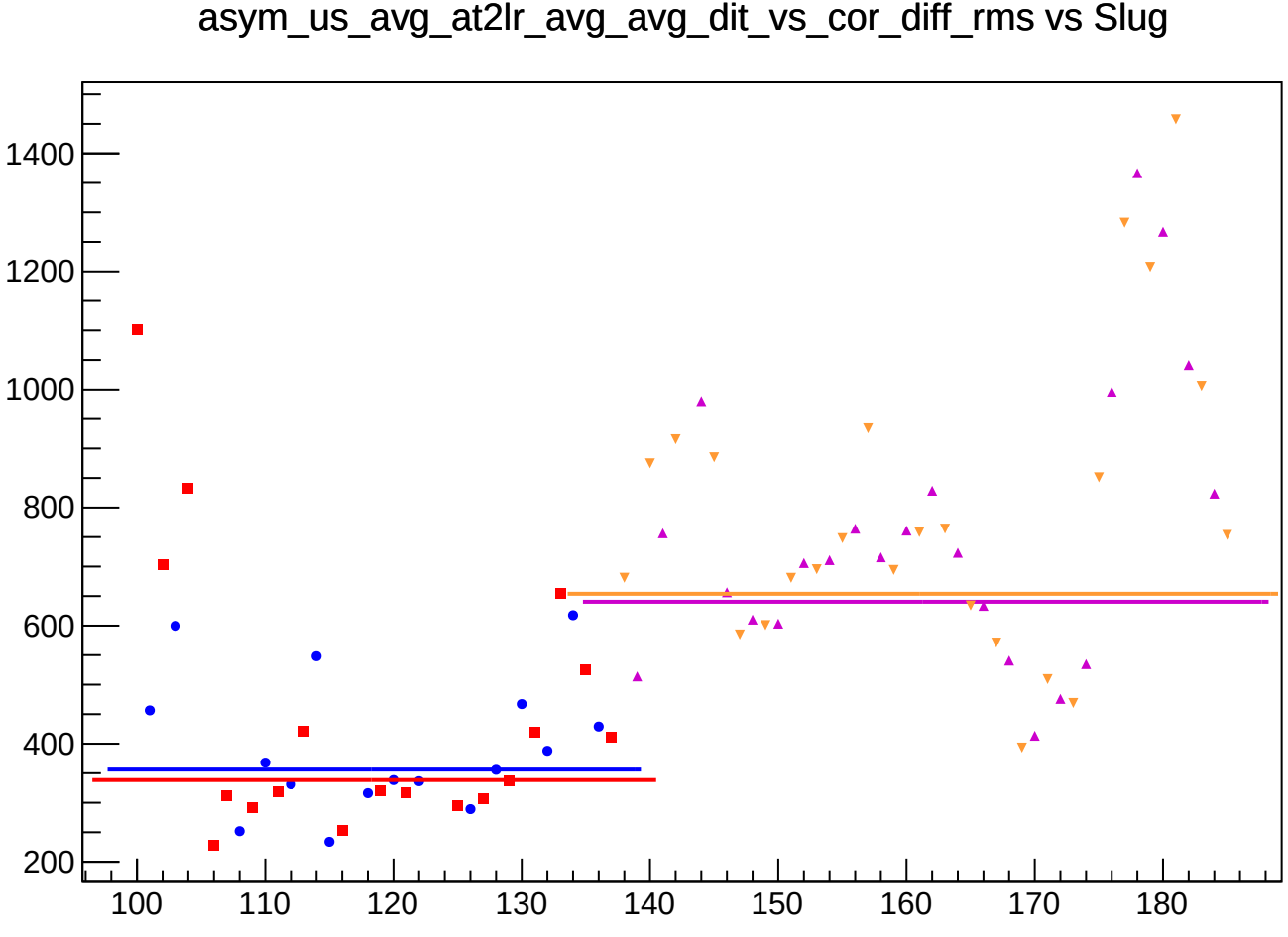
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

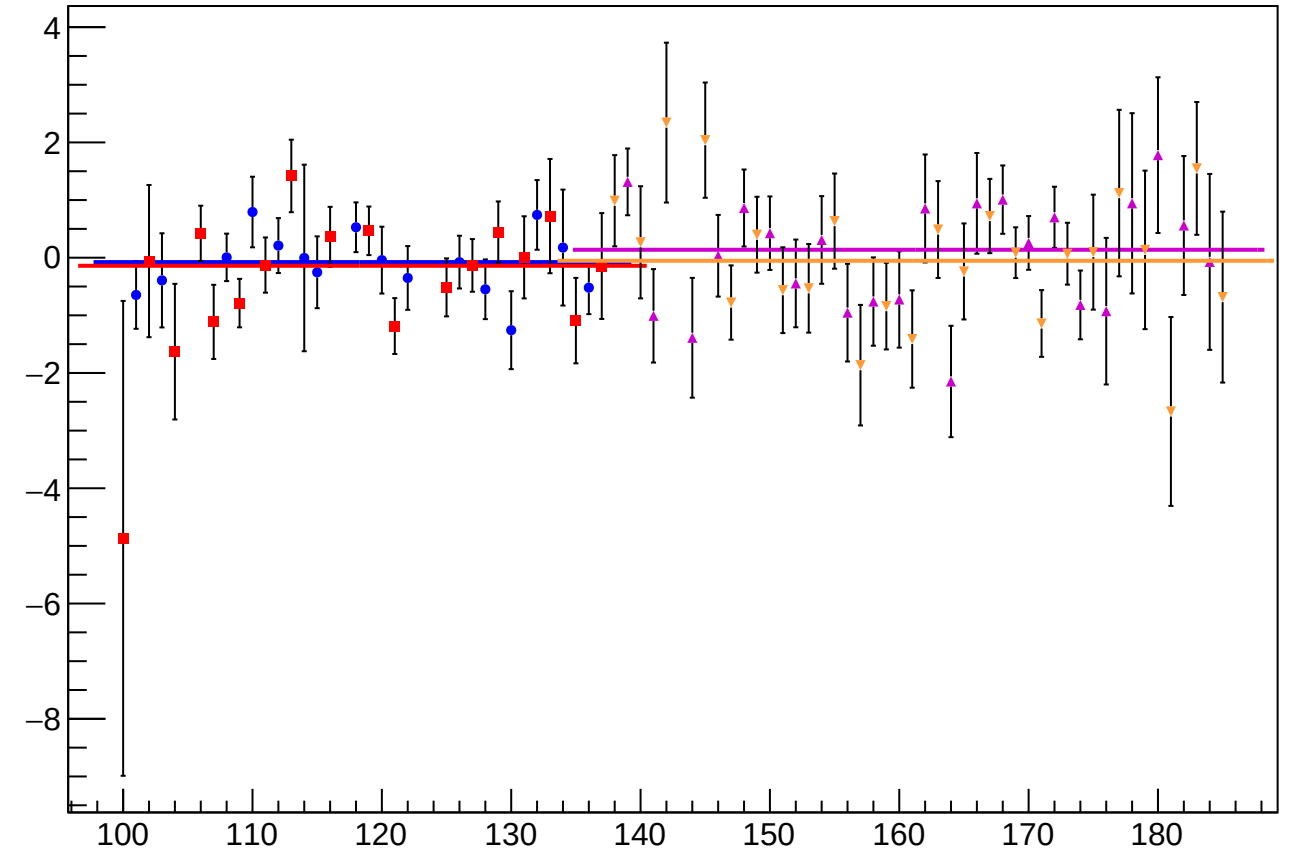
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.067+/-0.106 χ^2/NDF: 42.7/39

All: -0.043+/-0.074 χ^2/NDF: 101.5/80

- sign -0.020+/-0.104 χ^2/NDF: 58.7/40


asym_us_avg_at2lr_avg_avg_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: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 483.989+/-0.075 χ²/NDF: 7797826.8/39
All: 476.459+/-0.052 χ²/NDF: 15818168.3/80
- sign 469.186+/-0.073 χ²/NDF: 8000388.0/40



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

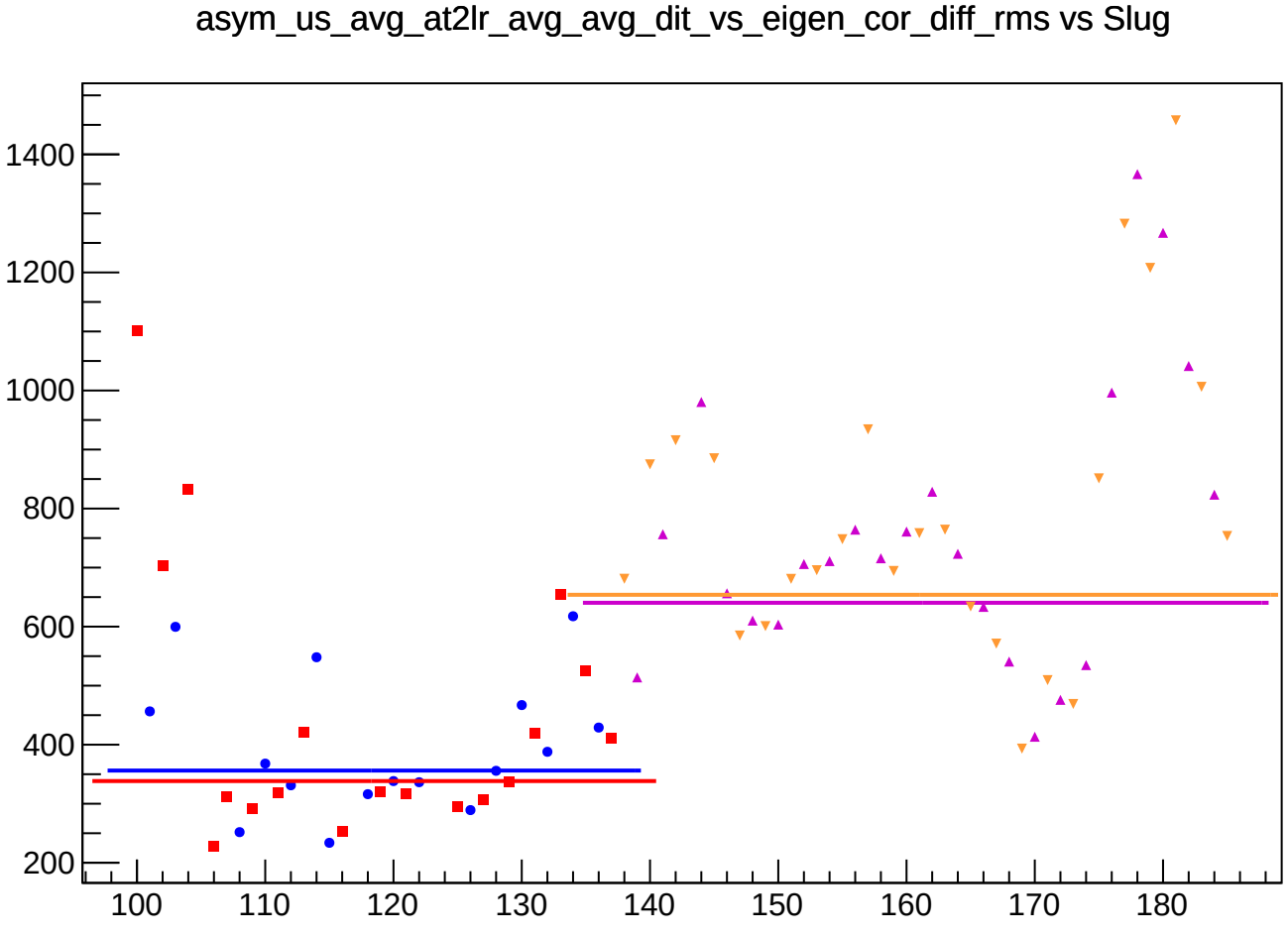
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

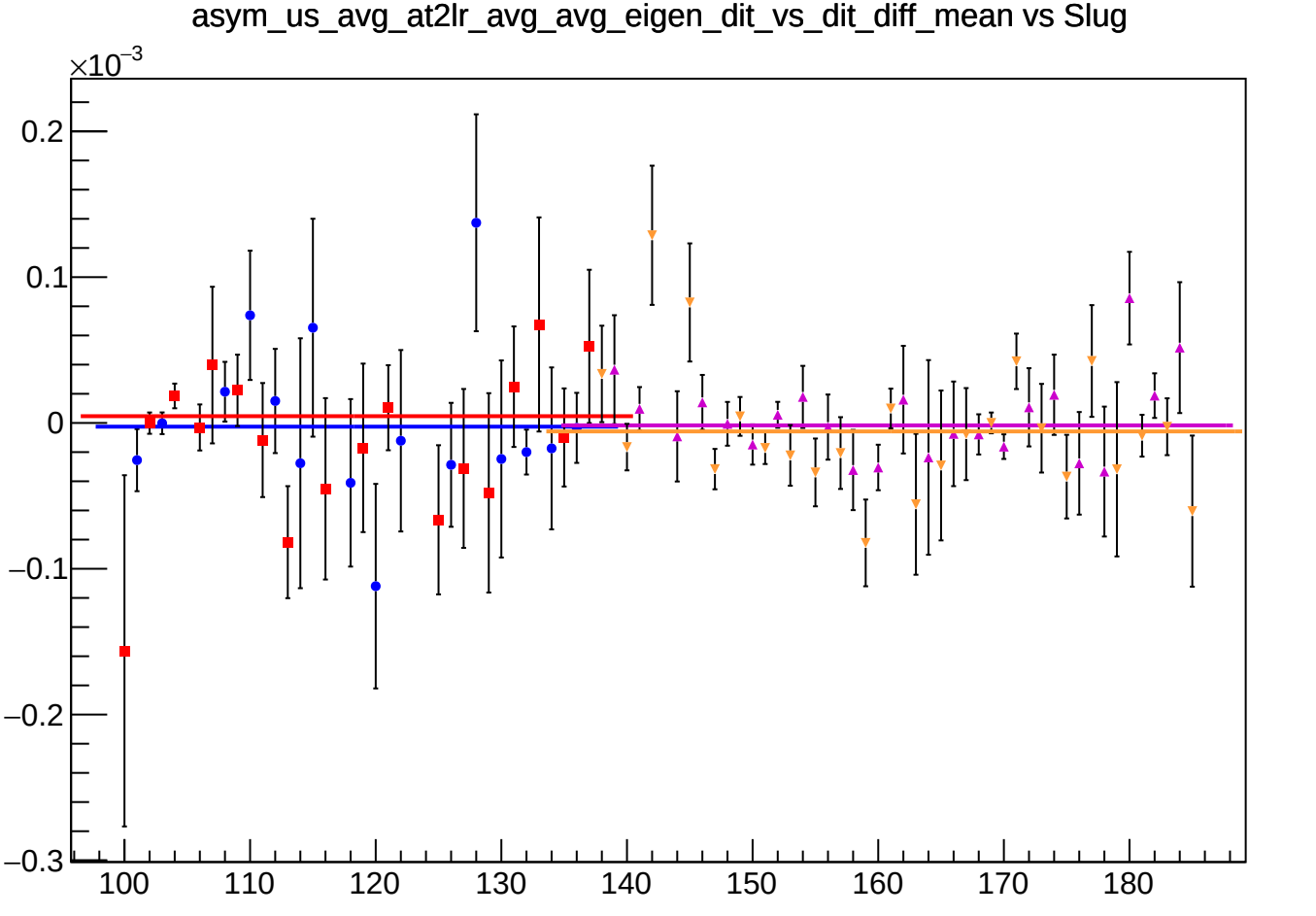
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

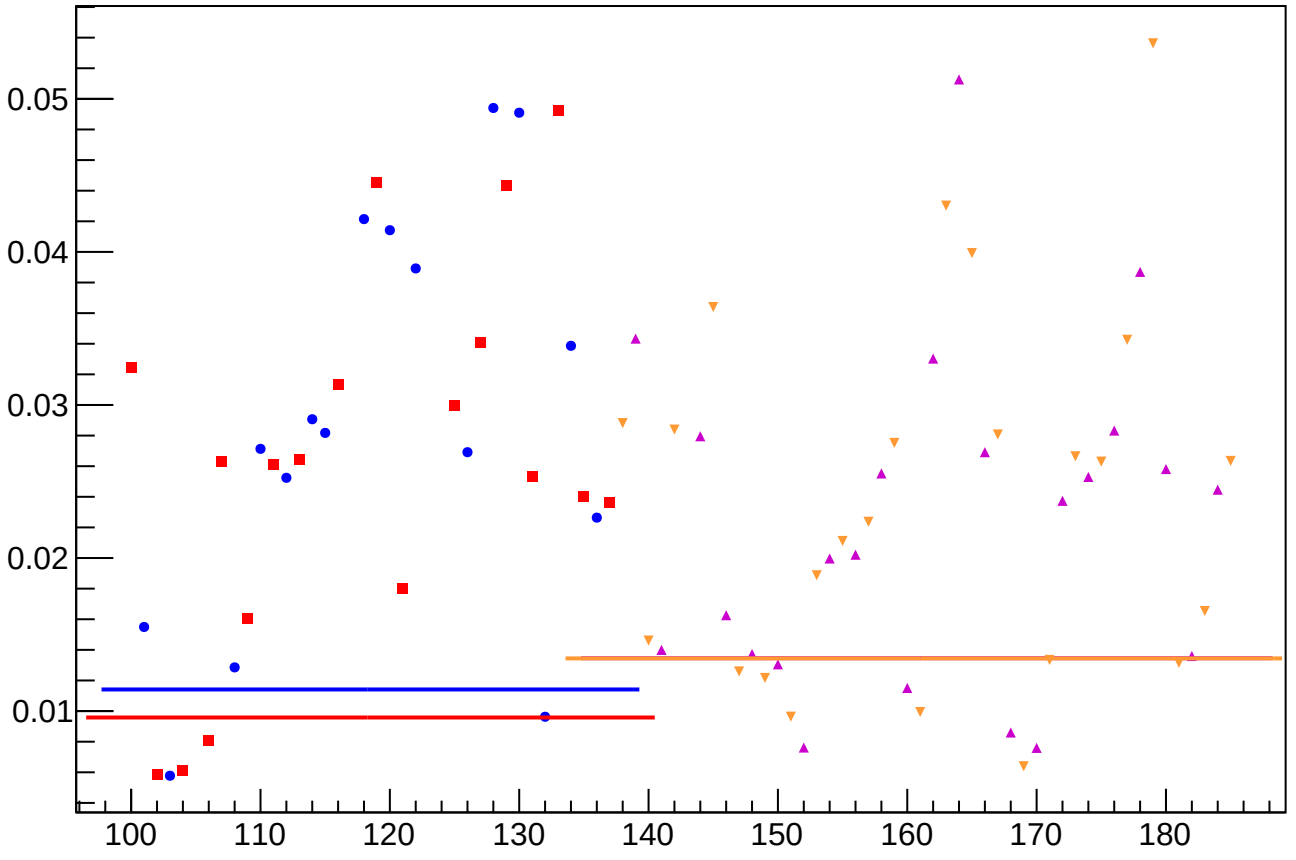
+ sign -0.067+/-0.106 χ^2/NDF: 42.7/39

All: -0.043+/-0.074 χ^2/NDF: 101.5/80

- sign -0.020+/-0.104 χ^2/NDF: 58.7/40


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 483.989+/-0.075 χ²/NDF: 7797826.8/39
All: 476.459+/-0.052 χ²/NDF: 15818168.3/80
- sign 469.186+/-0.073 χ²/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:42.6/23
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: 57.9/39
All: -0.000+/-0.000 χ²/NDF: 103.4/80
- 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:8856192.5/23

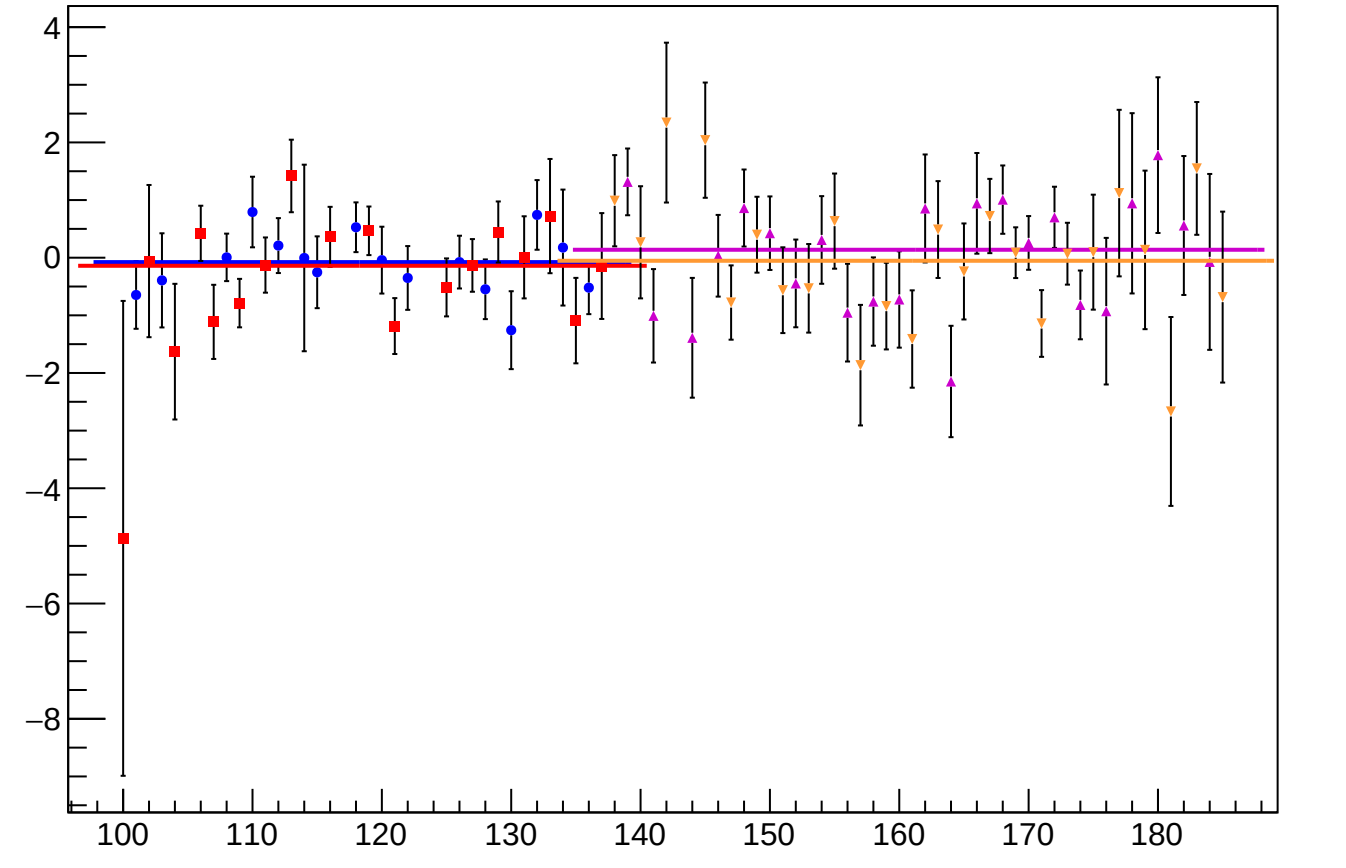
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 14541105.9/39

All: 0.012+/-0.000 χ^2/NDF: 28785656.0/80

- 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: -0.053+/-0.161 χ^2/NDF:30.1/23

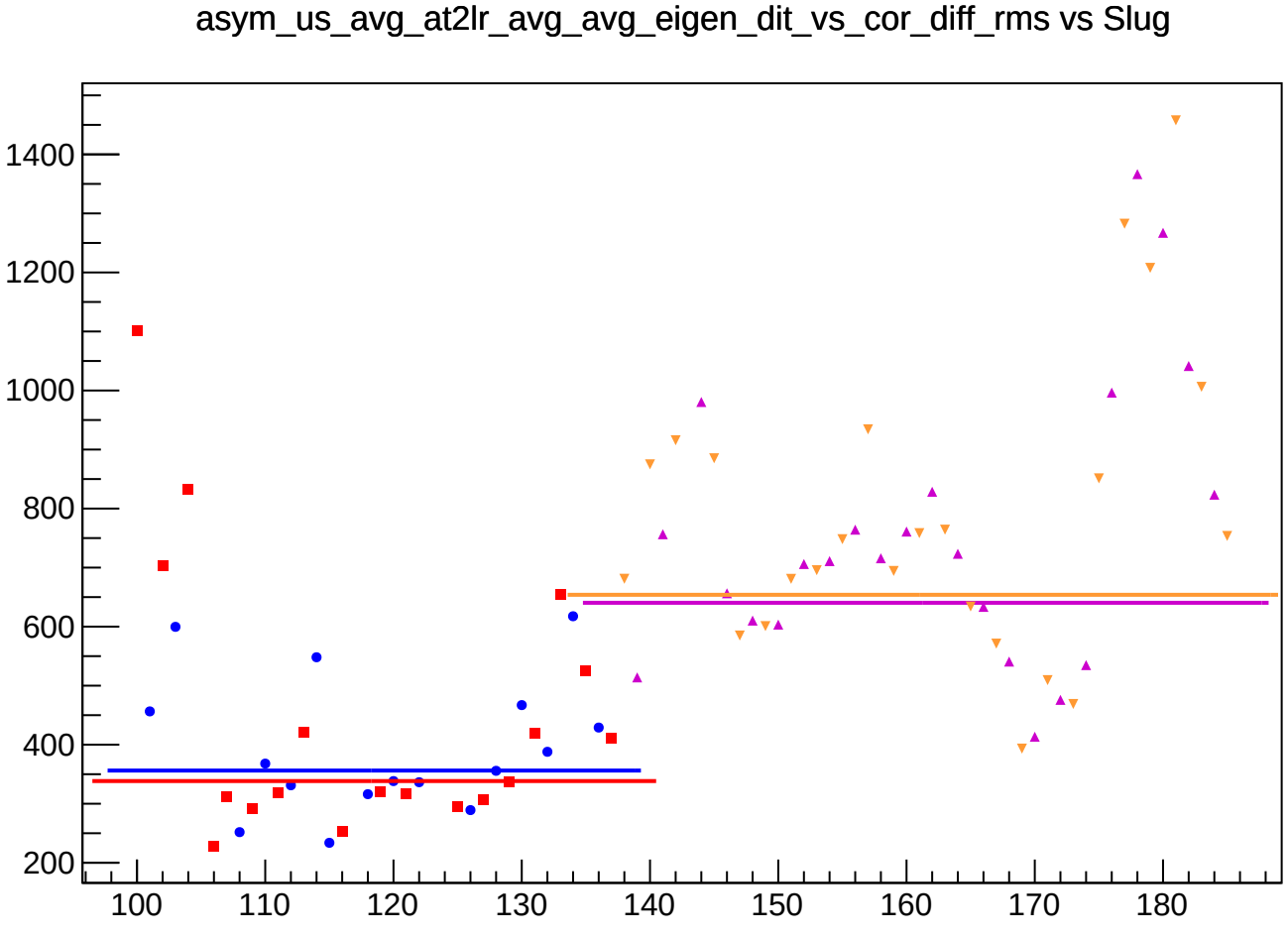
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.067+/-0.106 χ^2/NDF: 42.7/39

All: -0.043+/-0.074 χ^2/NDF: 101.5/80

- 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: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

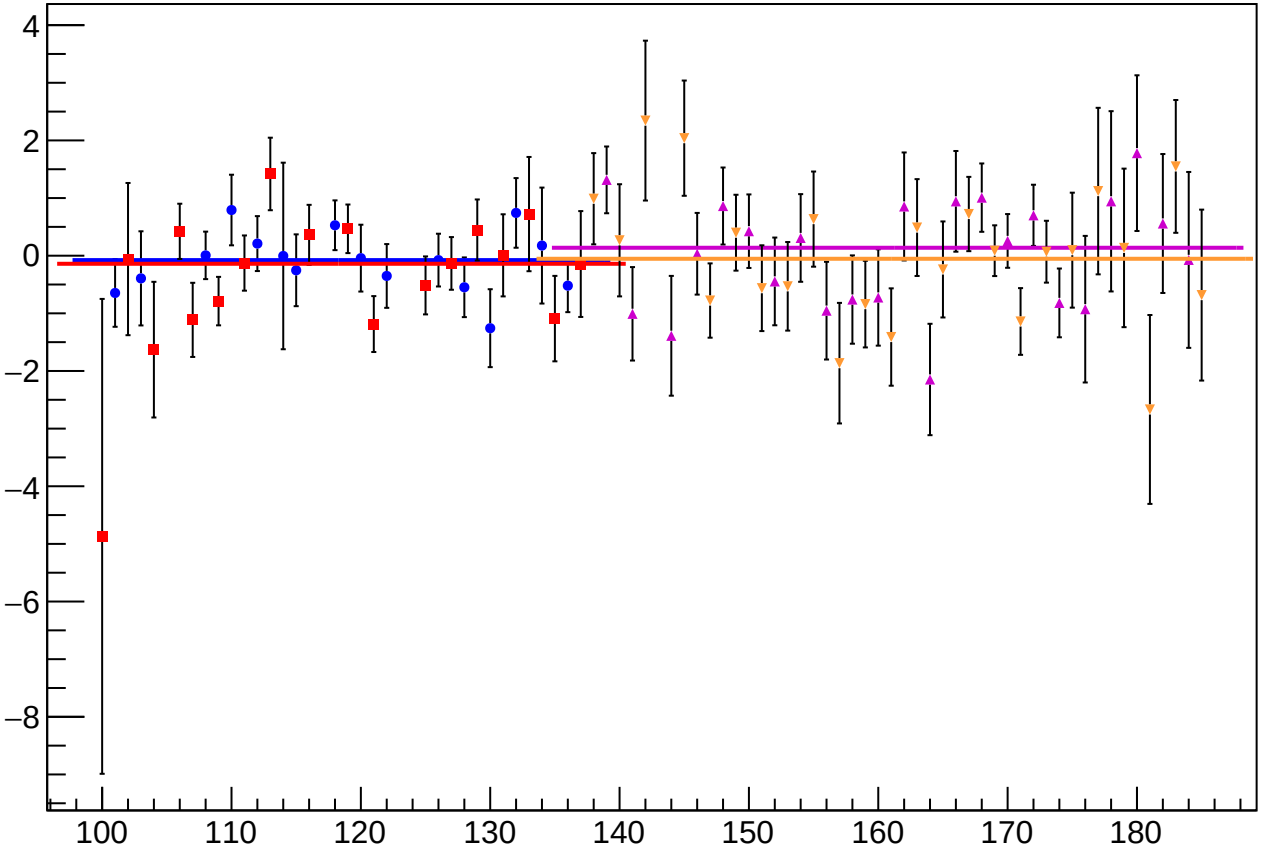
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 483.987+/-0.075 χ^2/NDF: 7798060.8/39

All: 476.458+/-0.052 χ^2/NDF: 15818661.1/80

- sign 469.184+/-0.073 χ^2/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: -0.053+/-0.161 χ^2/NDF:30.1/23

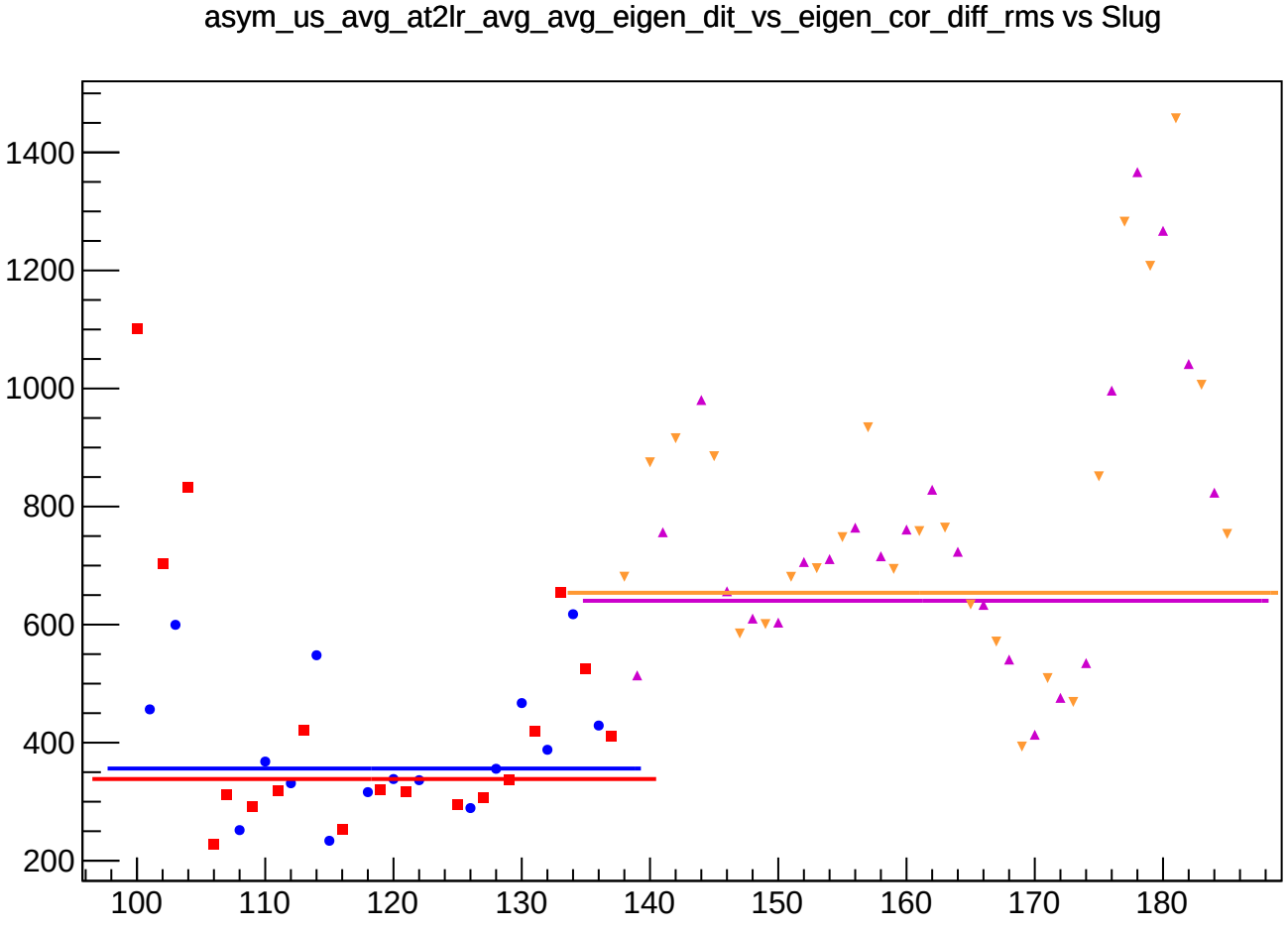
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.067+/-0.106 χ^2/NDF: 42.7/39

All: -0.043+/-0.074 χ^2/NDF: 101.5/80

- 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: 653.930+/-0.114 χ^2/NDF:3124692.9/23

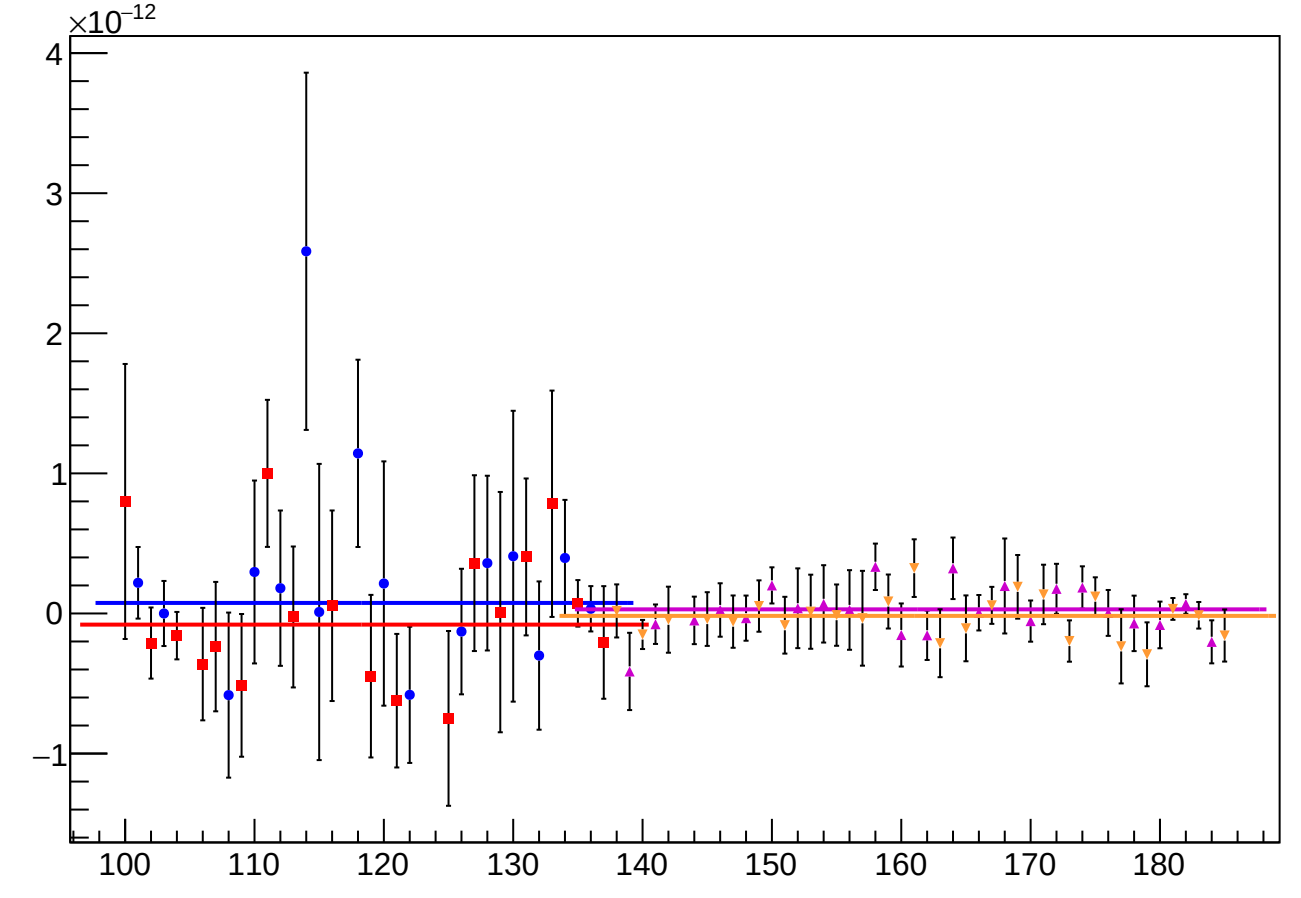
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 483.987+/-0.075 χ^2/NDF: 7798060.8/39

All: 476.458+/-0.052 χ^2/NDF: 15818661.1/80

- sign 469.184+/-0.073 χ^2/NDF: 8000646.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

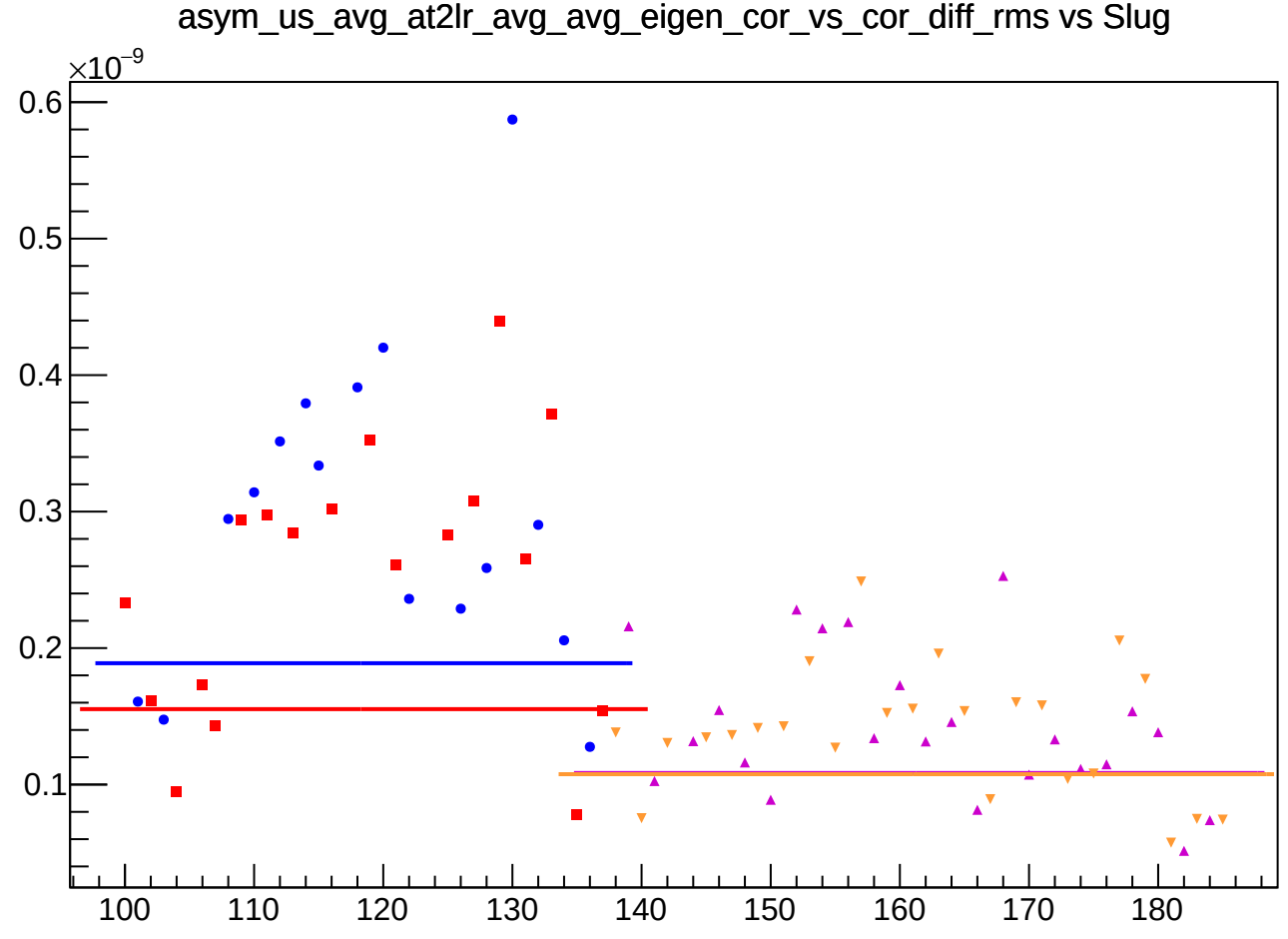
Right Out: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

\+ sign -0.000+/-0.000 χ^2/NDF: 25.7/39

All: 0.000+/-0.000 χ^2/NDF: 58.3/80

\- sign 0.000+/-0.000 χ^2/NDF: 32.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

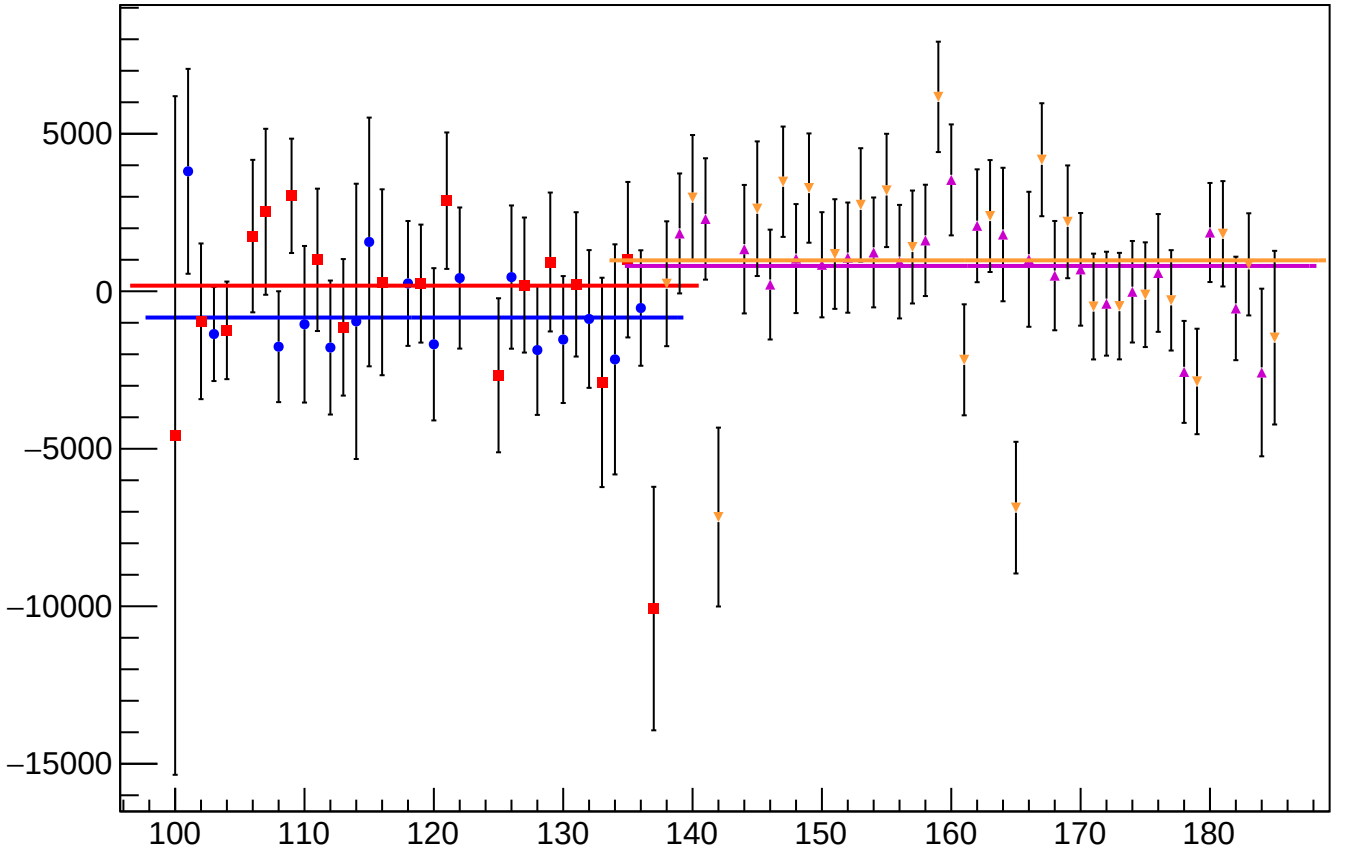
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6246154.6/39

All: 0.000+/-0.000 χ^2/NDF: 12840945.2/80

- sign 0.000+/-0.000 χ^2/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: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

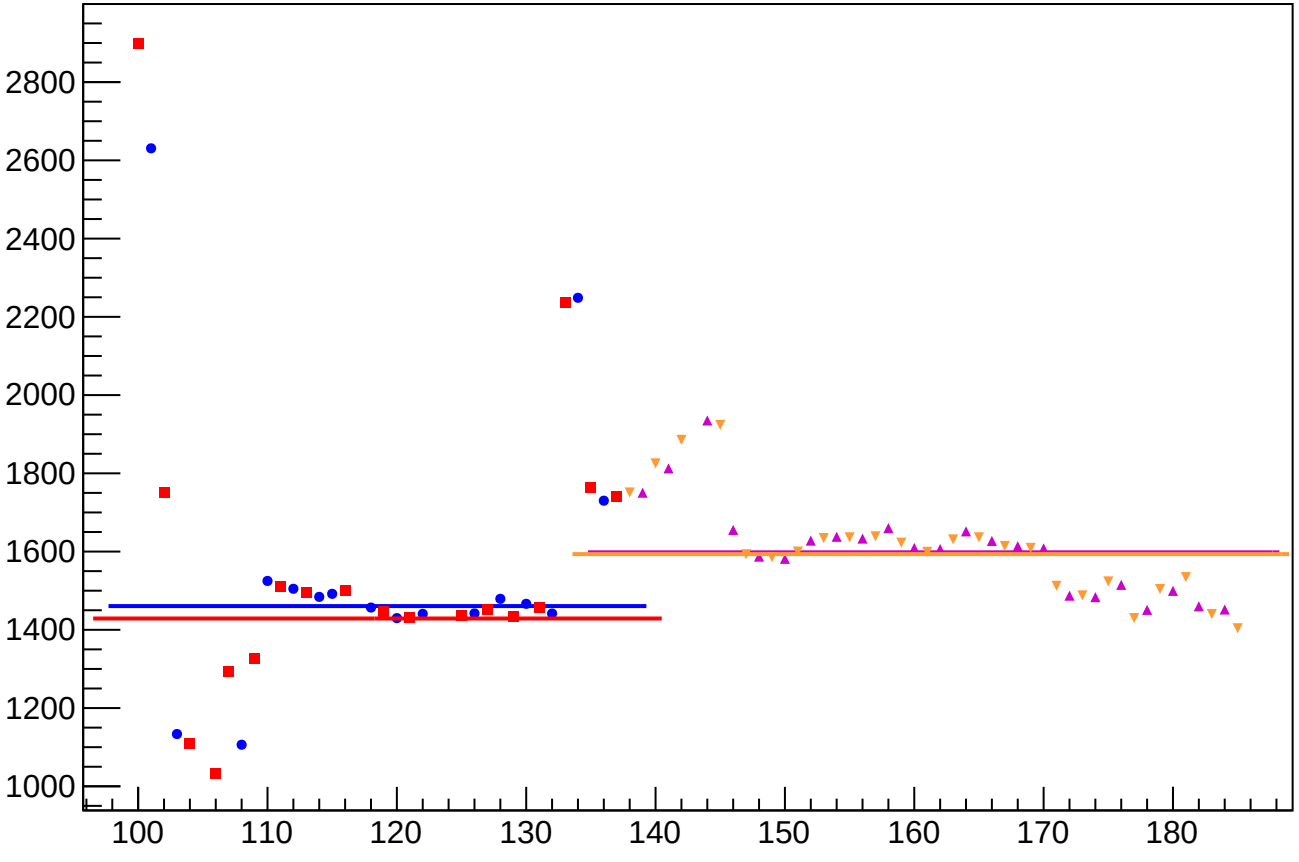
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 421.138+/-308.315 χ^2/NDF: 67.5/39

All: 512.875+/-218.225 χ^2/NDF: 97.5/80

- 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: 1593.482+/-0.262 χ^2/NDF:187613.7/23

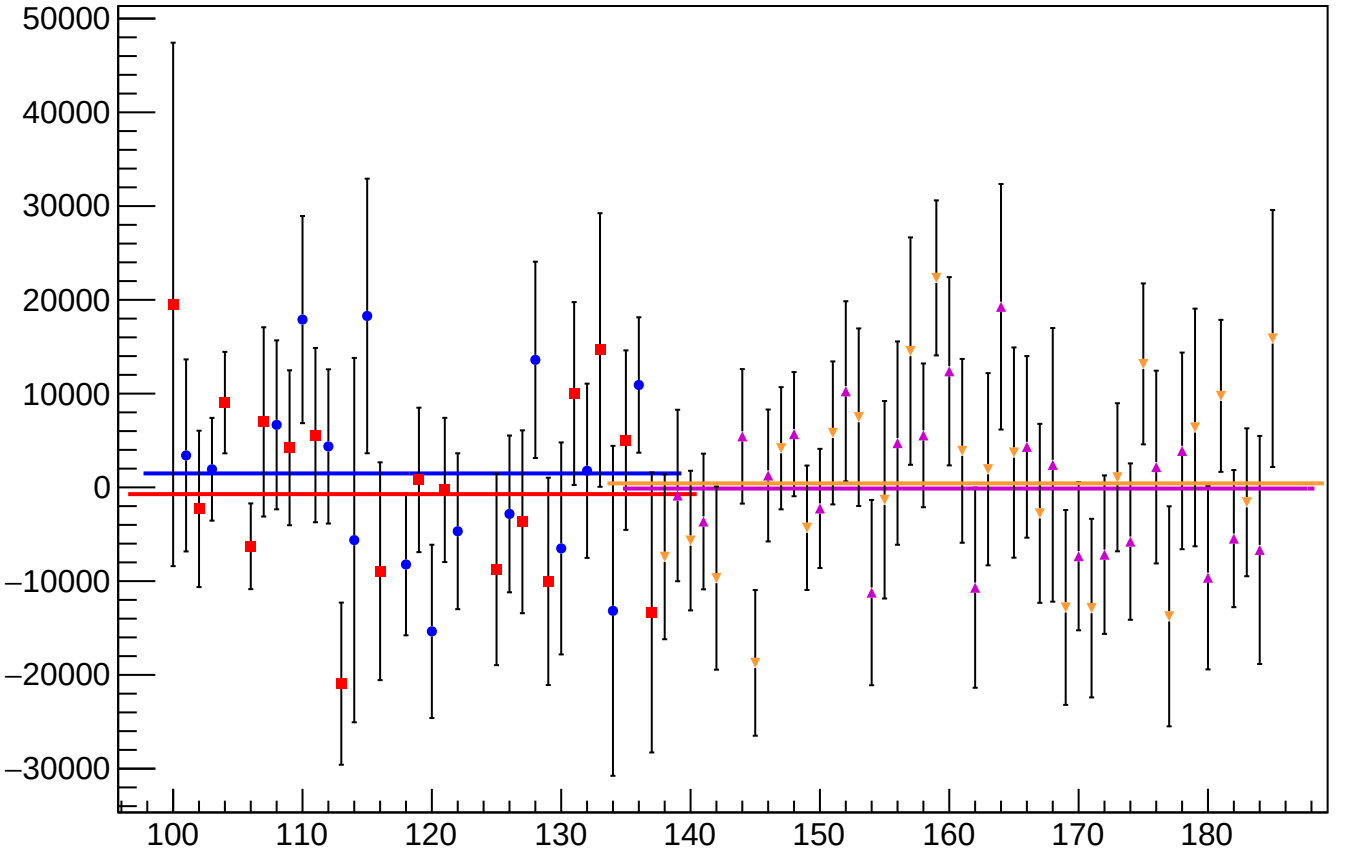
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1552.466+/-0.218 χ^2/NDF: 842581.2/39

All: 1548.120+/-0.154 χ^2/NDF: 1555213.9/80

- 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: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

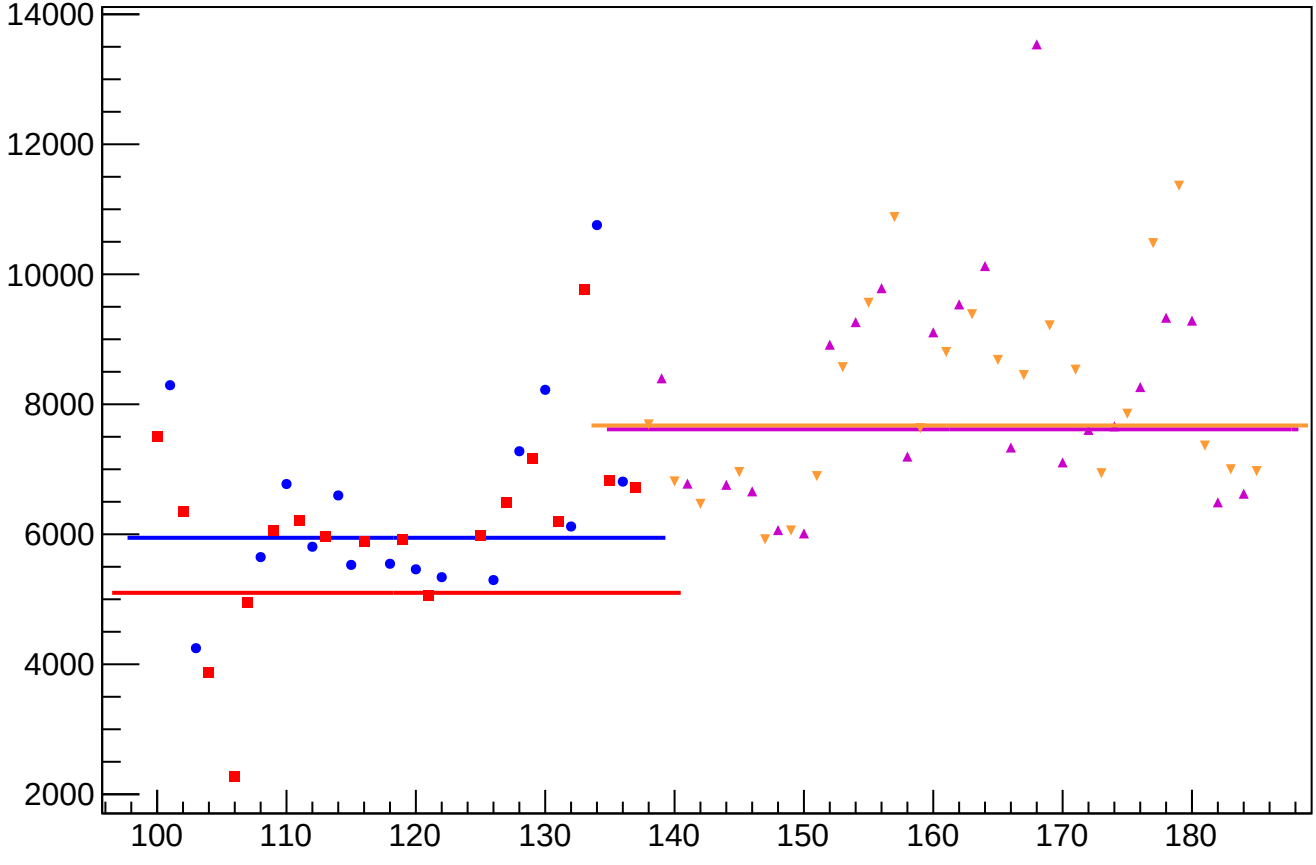
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 842.164+/-1419.419 χ^2/NDF: 43.7/39

All: 192.583+/-977.254 χ^2/NDF: 75.5/80

- 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: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

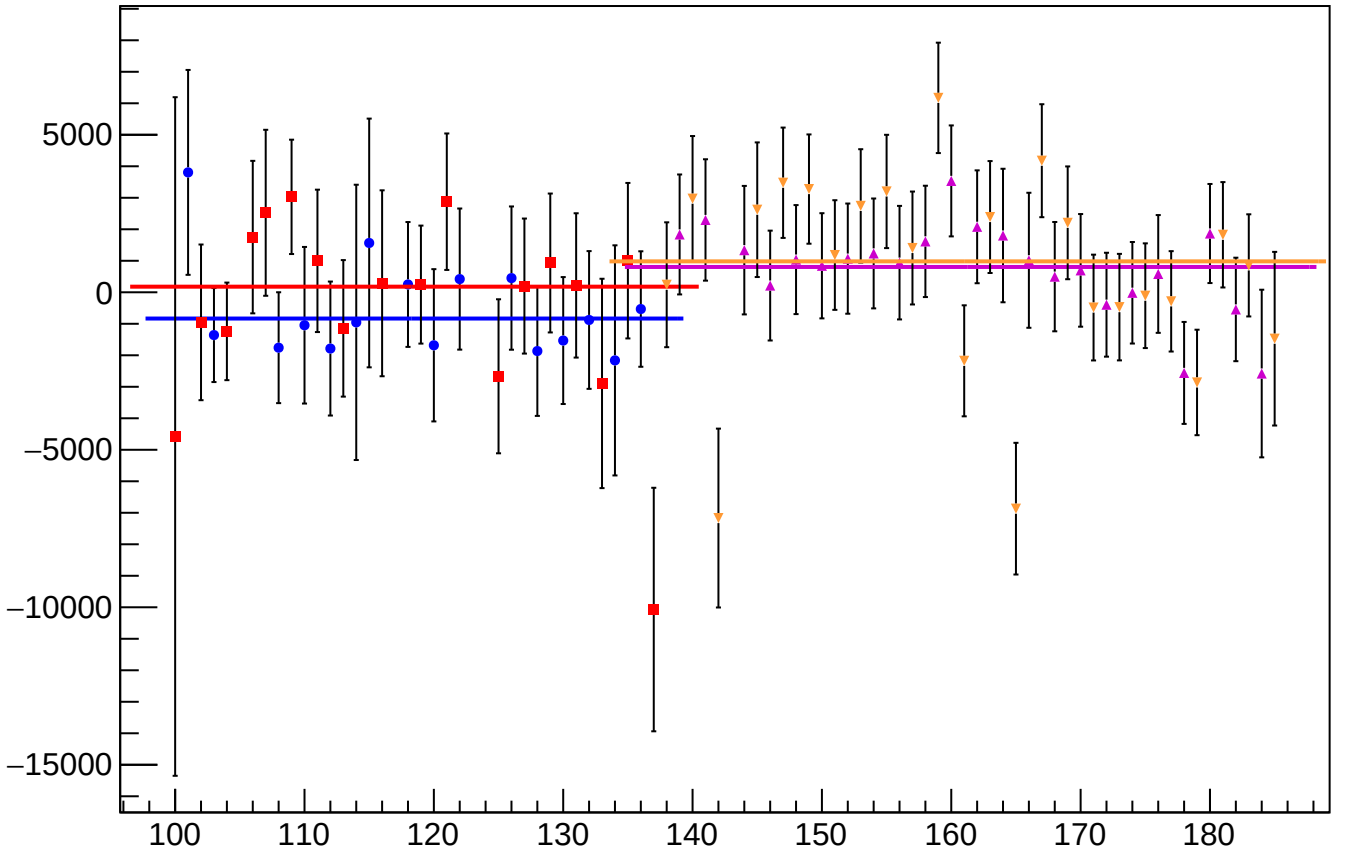
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 6997.256+/-1.004 χ^2/NDF: 2424077.0/39

All: 6728.433+/-0.691 χ^2/NDF: 6989671.7/80

- sign 6486.169+/-0.953 χ^2/NDF: 4429208.7/40



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

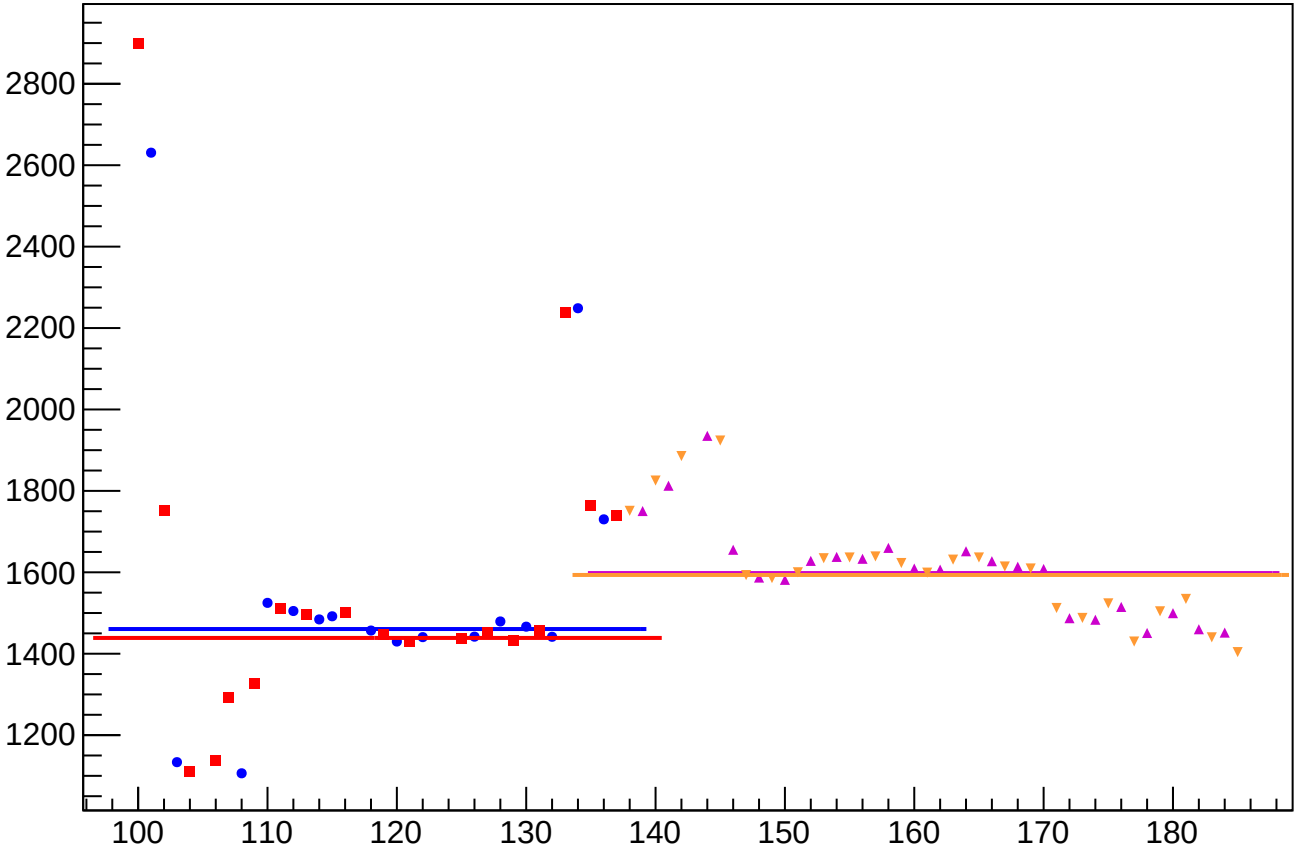
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 421.177+/-308.315 χ^2/NDF: 67.5/39

All: 512.827+/-218.225 χ^2/NDF: 97.5/80

- 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: 1593.482+/-0.262 χ^2/NDF:187613.7/23

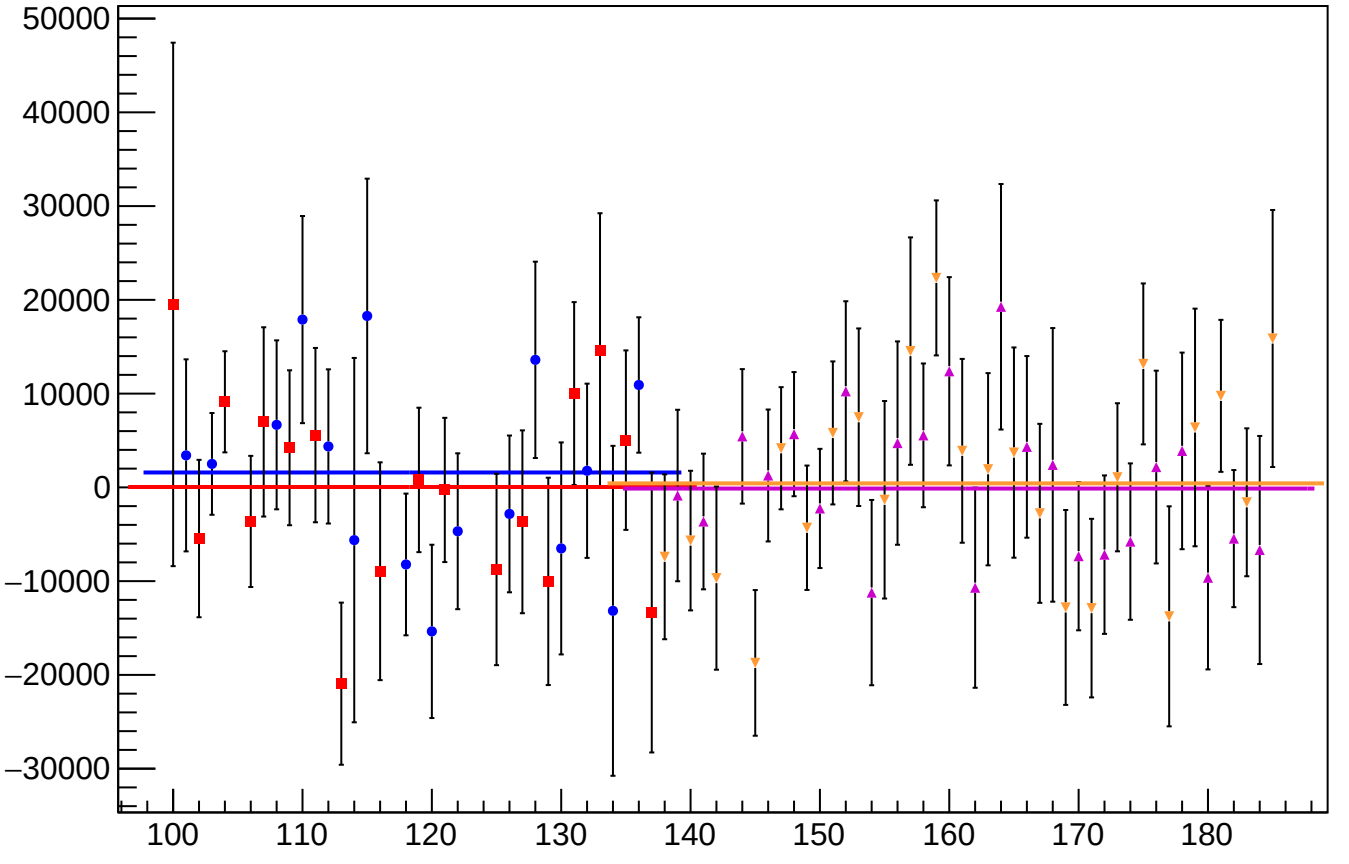
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1552.466+/-0.218 χ^2/NDF: 842581.7/39

All: 1549.880+/-0.154 χ^2/NDF: 1501175.0/80

- 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: 426.702+/-1819.879 χ^2/NDF:29.4/23

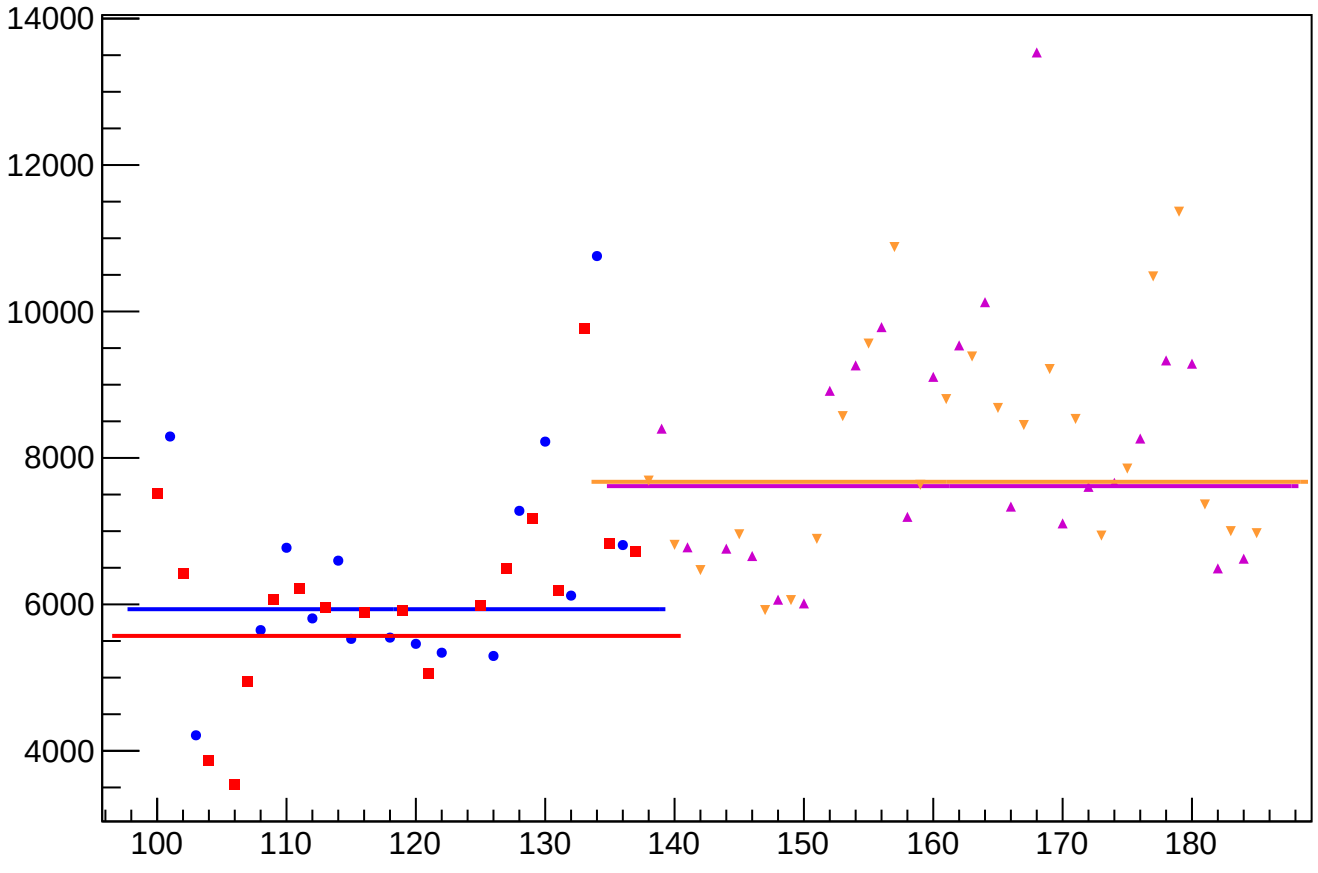
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 882.729+/-1418.494 χ^2/NDF: 43.7/39

All: 401.088+/-989.957 χ^2/NDF: 74.3/80

- 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: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

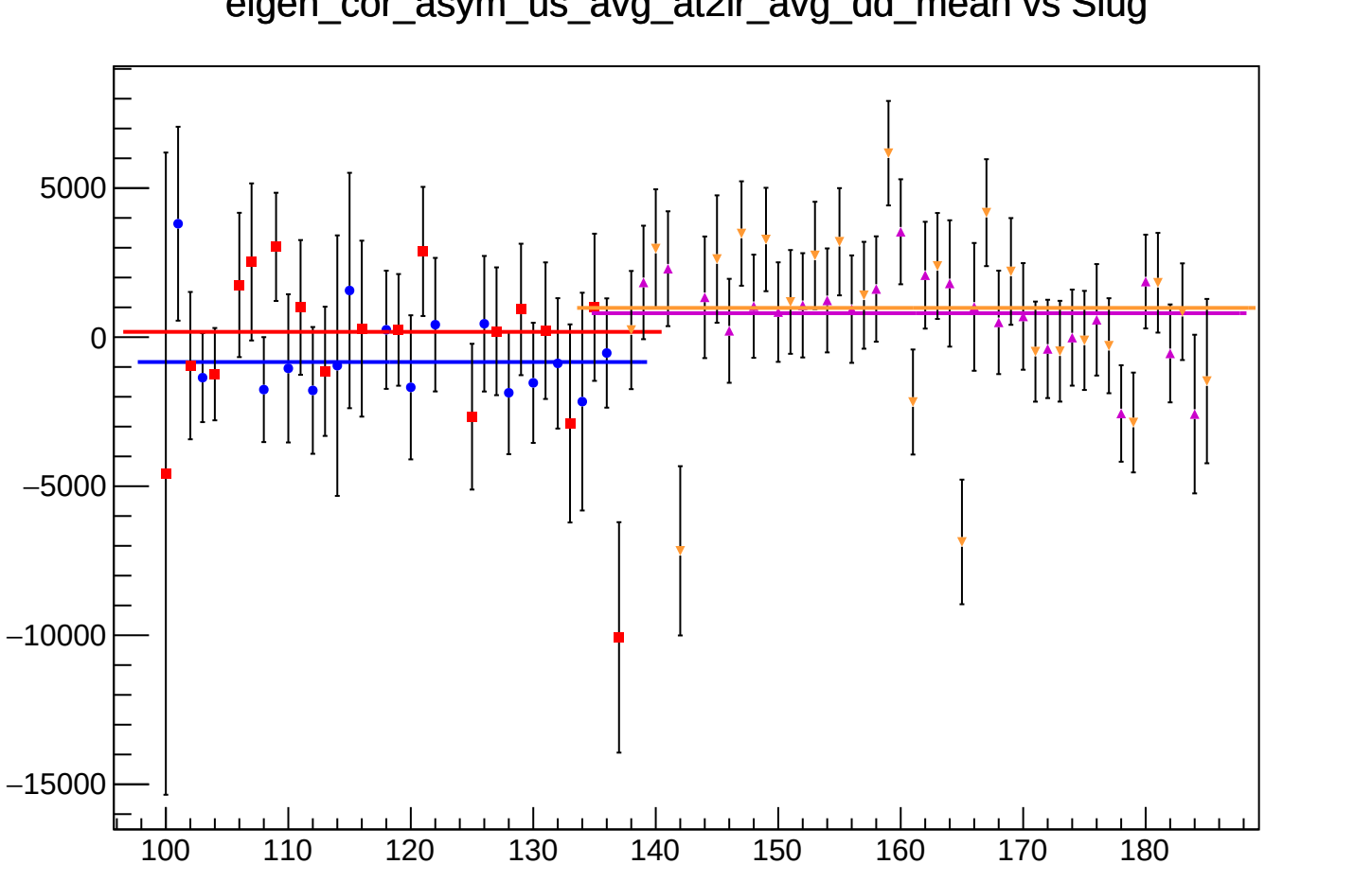
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 6991.228+/-1.003 χ^2/NDF: 2447214.7/39

All: 6870.612+/-0.700 χ^2/NDF: 5490727.3/80

- 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: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

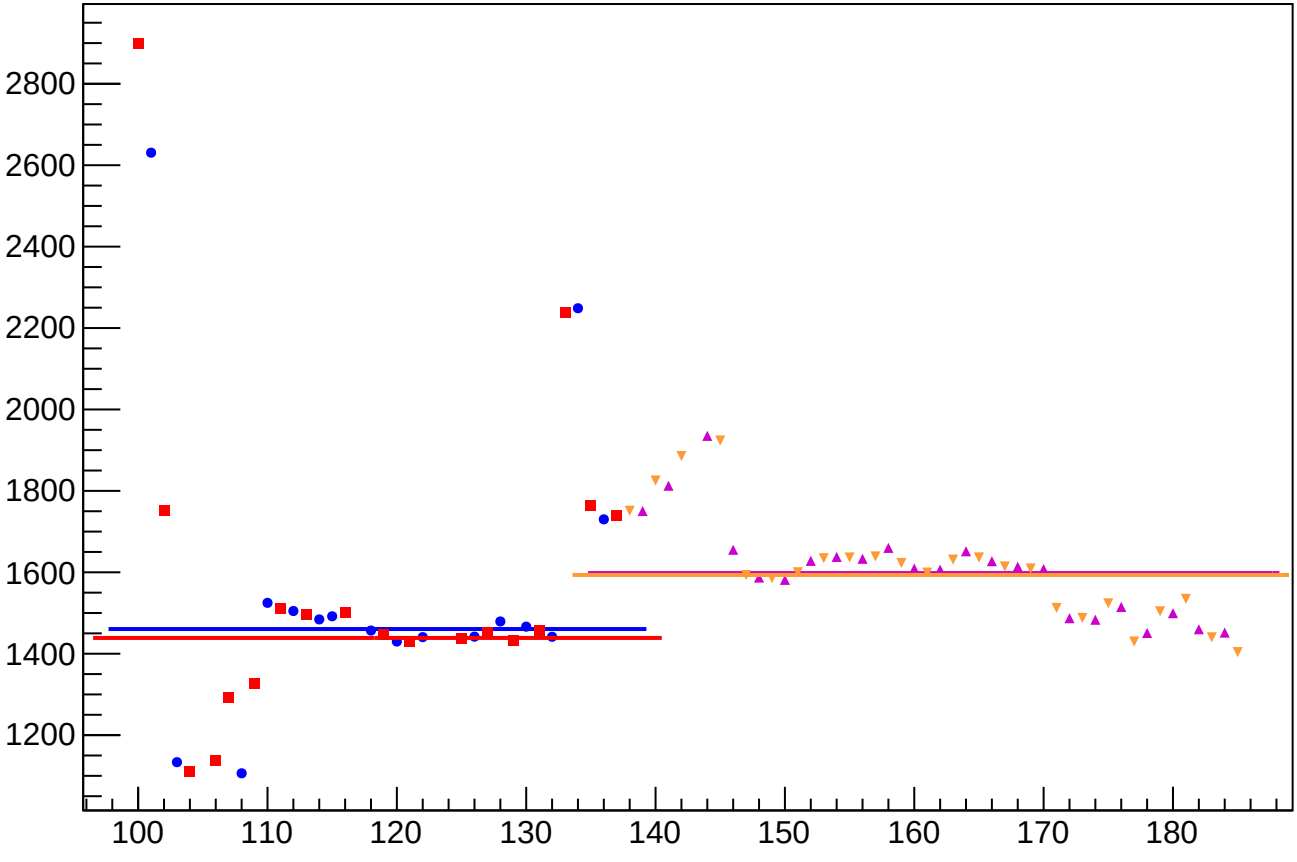
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 421.177+/-308.315 χ^2/NDF: 67.5/39

All: 512.827+/-218.225 χ^2/NDF: 97.5/80

- 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: 1593.482+/-0.262 χ^2/NDF:187613.7/23

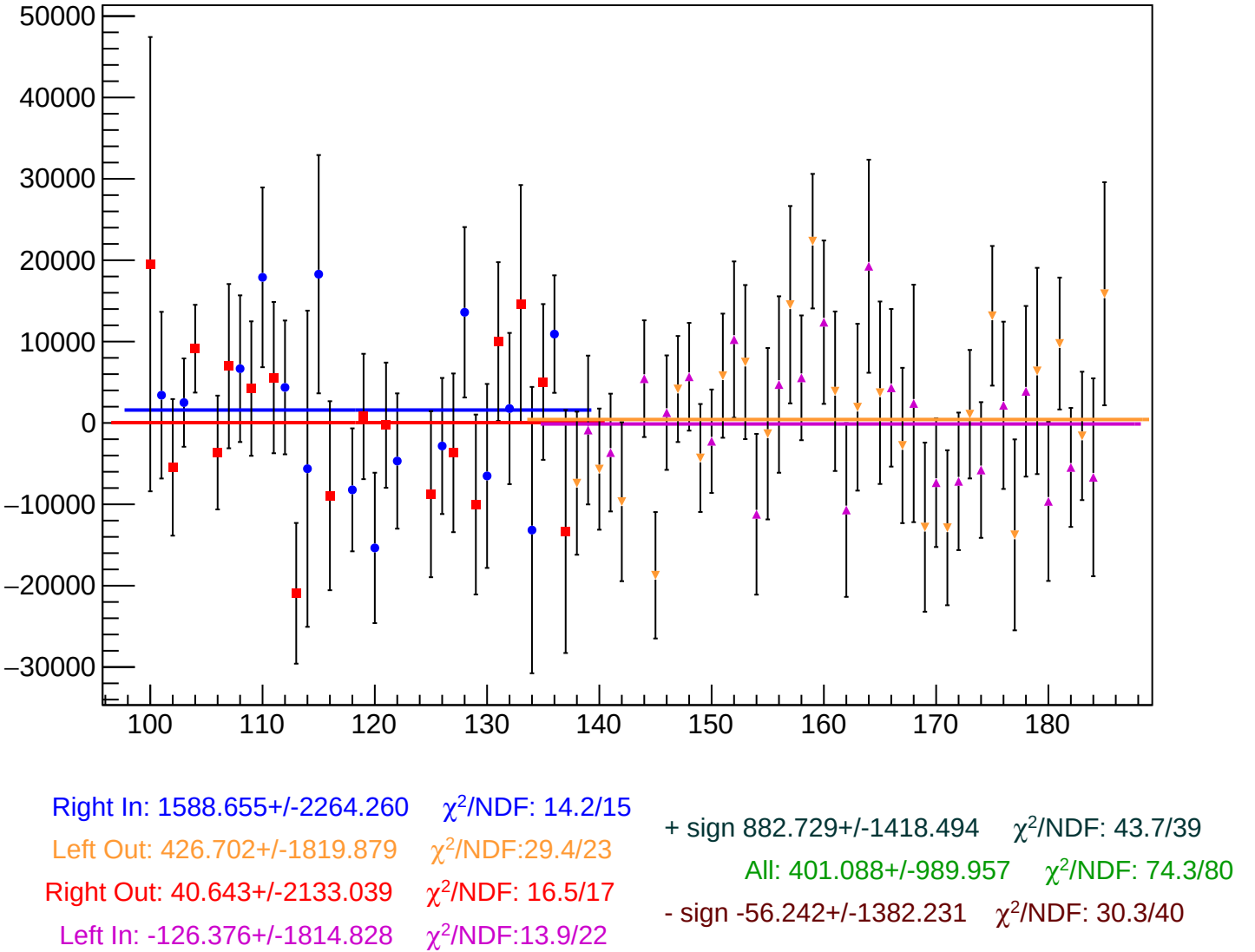
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

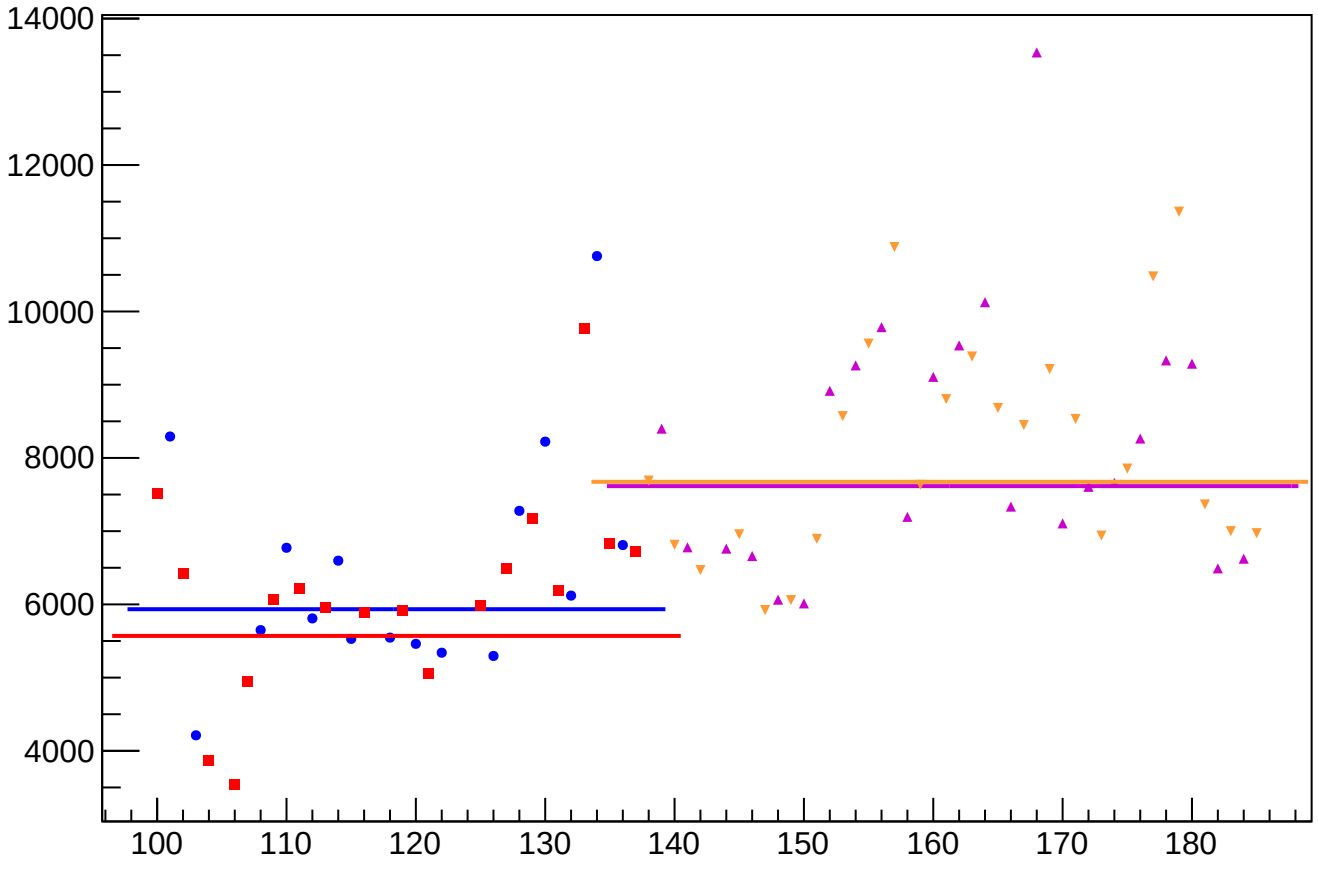
Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1552.466+/-0.218 χ^2/NDF: 842581.7/39

All: 1549.880+/-0.154 χ^2/NDF: 1501175.0/80

- 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: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: 40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -126.376+/-1814.828 χ²/NDF:13.9/22
+ sign 882.729+/-1418.494 χ²/NDF: 43.7/39
All: 401.088+/-989.957 χ²/NDF: 74.3/80
- sign -56.242+/-1382.231 χ²/NDF: 30.3/40



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

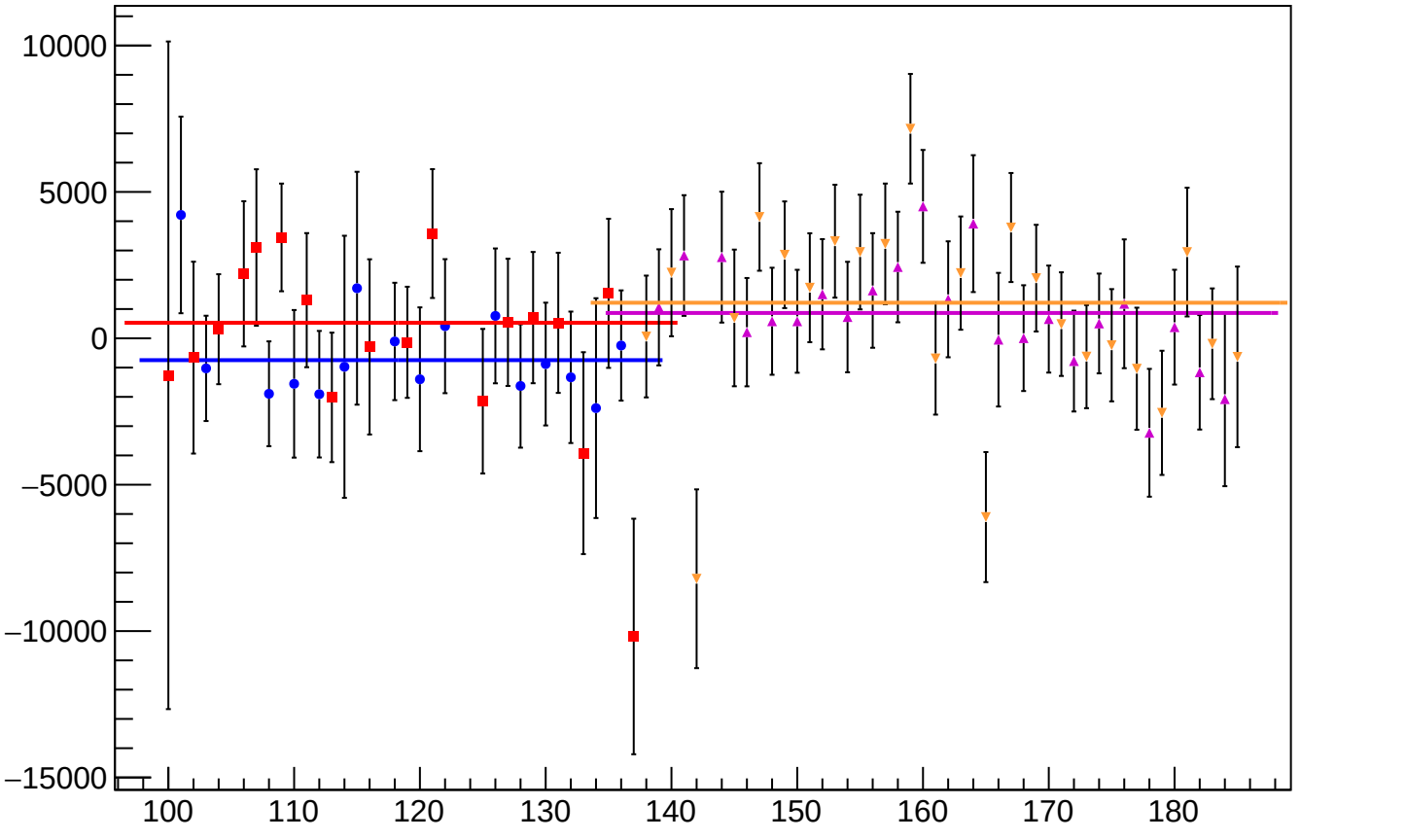
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 6991.228+/-1.003 χ^2/NDF: 2447214.7/39

All: 6870.612+/-0.700 χ^2/NDF: 5490727.3/80

- sign 6756.083+/-0.977 χ^2/NDF: 3015321.0/40



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

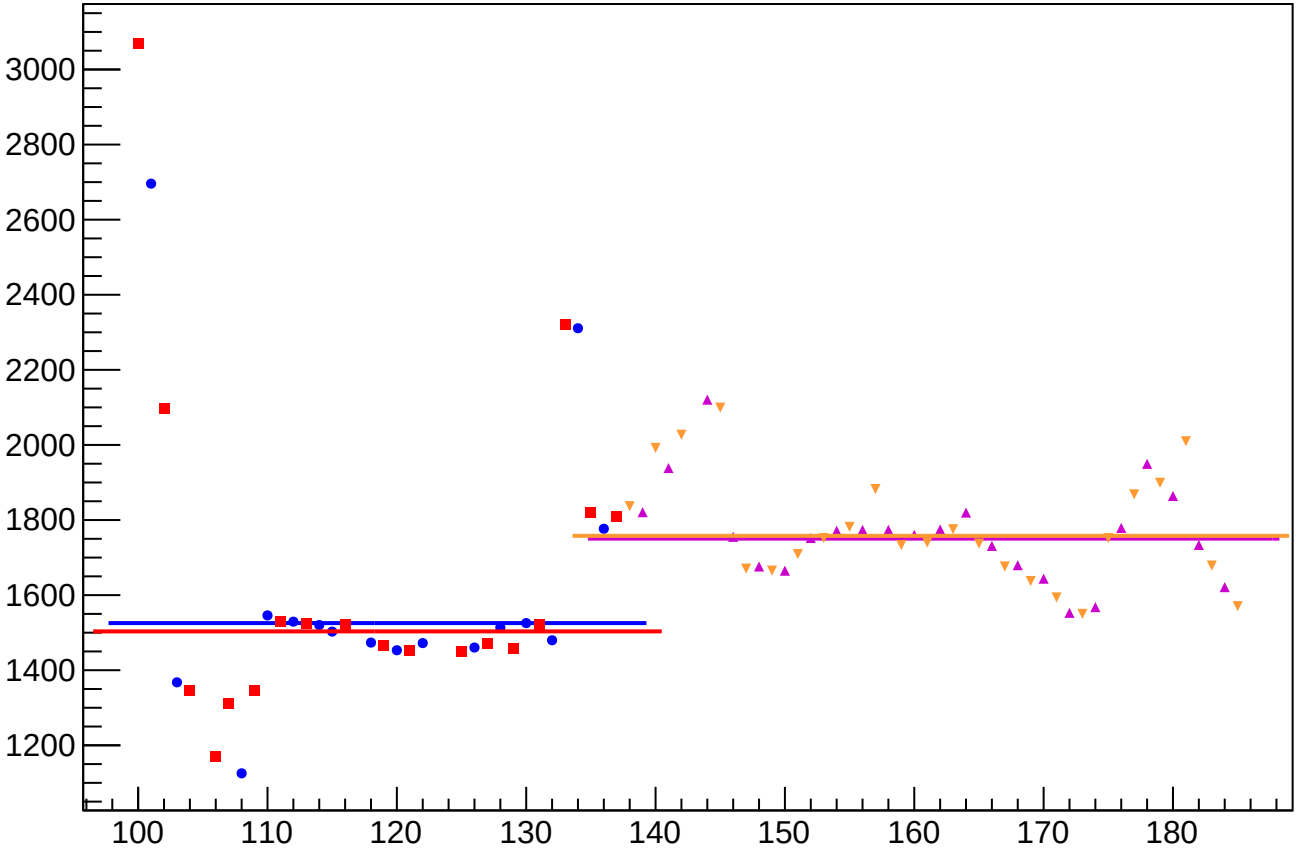
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 559.835+/-334.199 χ^2/NDF: 60.9/39

All: 656.620+/-236.198 χ^2/NDF: 94.1/80

- 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: 1757.965+/-0.290 χ^2/NDF:213284.1/23

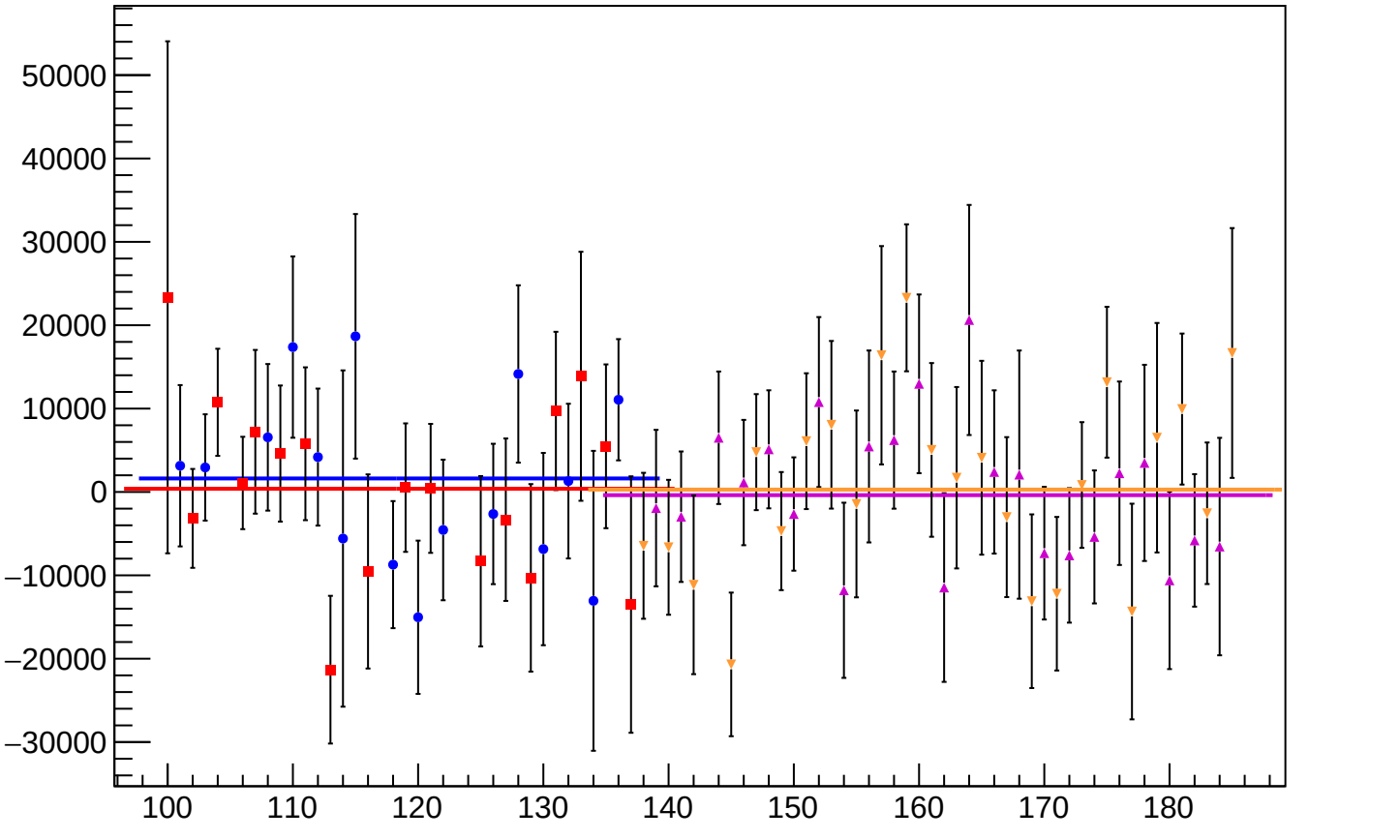
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1680.280+/-0.236 χ^2/NDF: 916876.7/39

All: 1673.727+/-0.167 χ^2/NDF: 1673568.1/80

- 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: 284.925+/-1920.134 χ^2/NDF:28.7/23

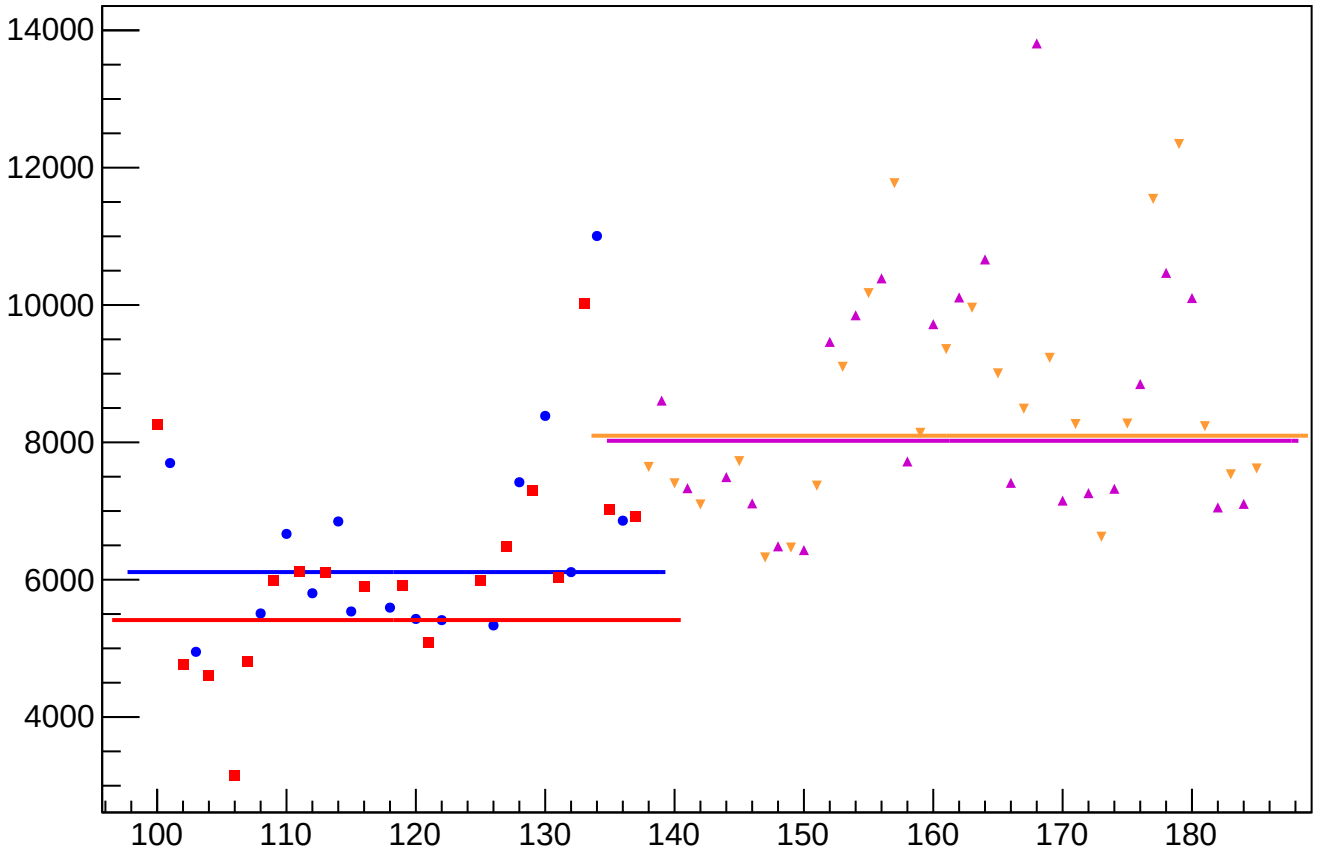
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 827.683+/-1479.227 χ^2/NDF: 43.1/39

All: 377.371+/-1017.500 χ^2/NDF: 73.0/80

- sign -27.042+/-1401.817 χ^2/NDF: 29.7/40



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

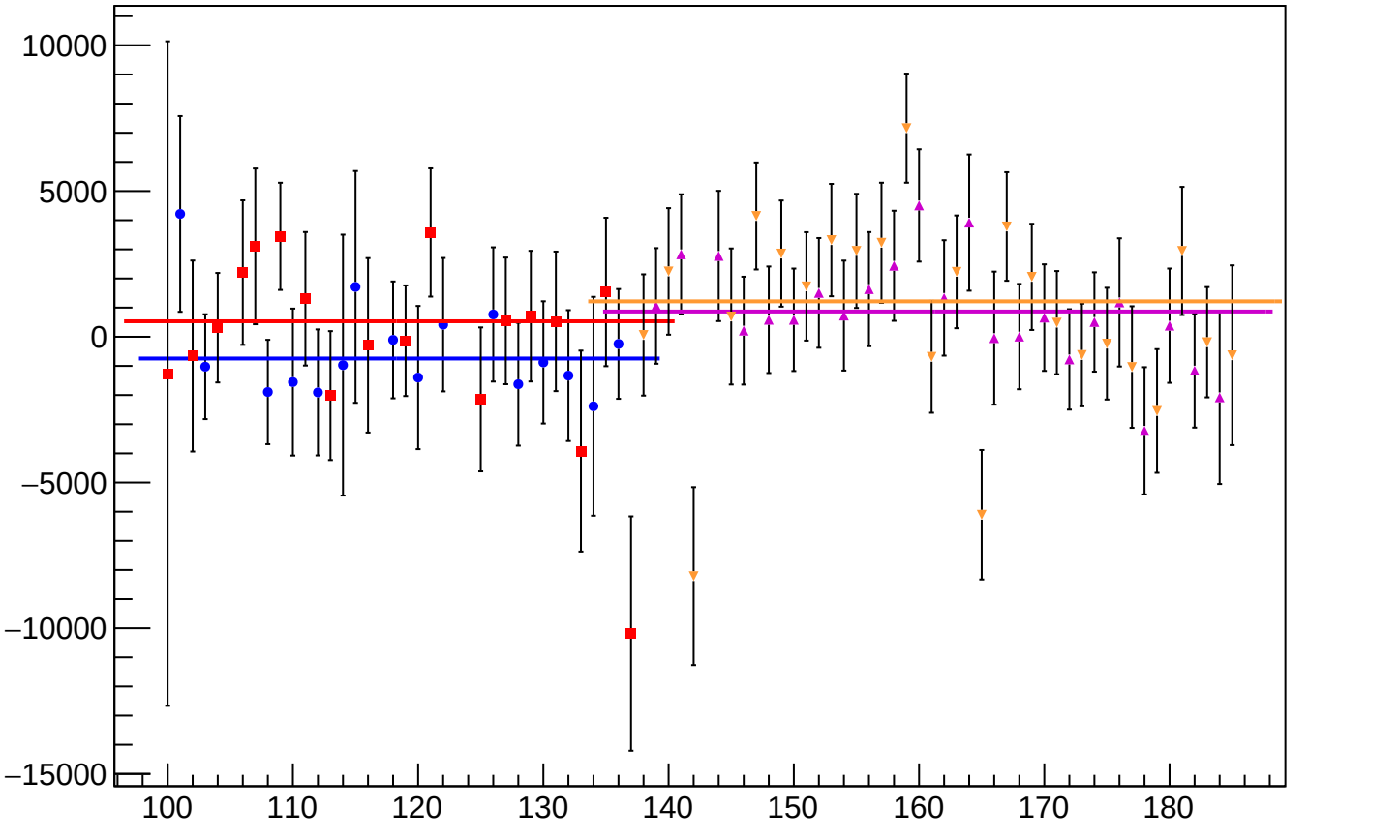
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7289.560+/-1.046 χ^2/NDF: 2429038.1/39

All: 7039.496+/-0.719 χ^2/NDF: 6308823.5/80

- 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: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

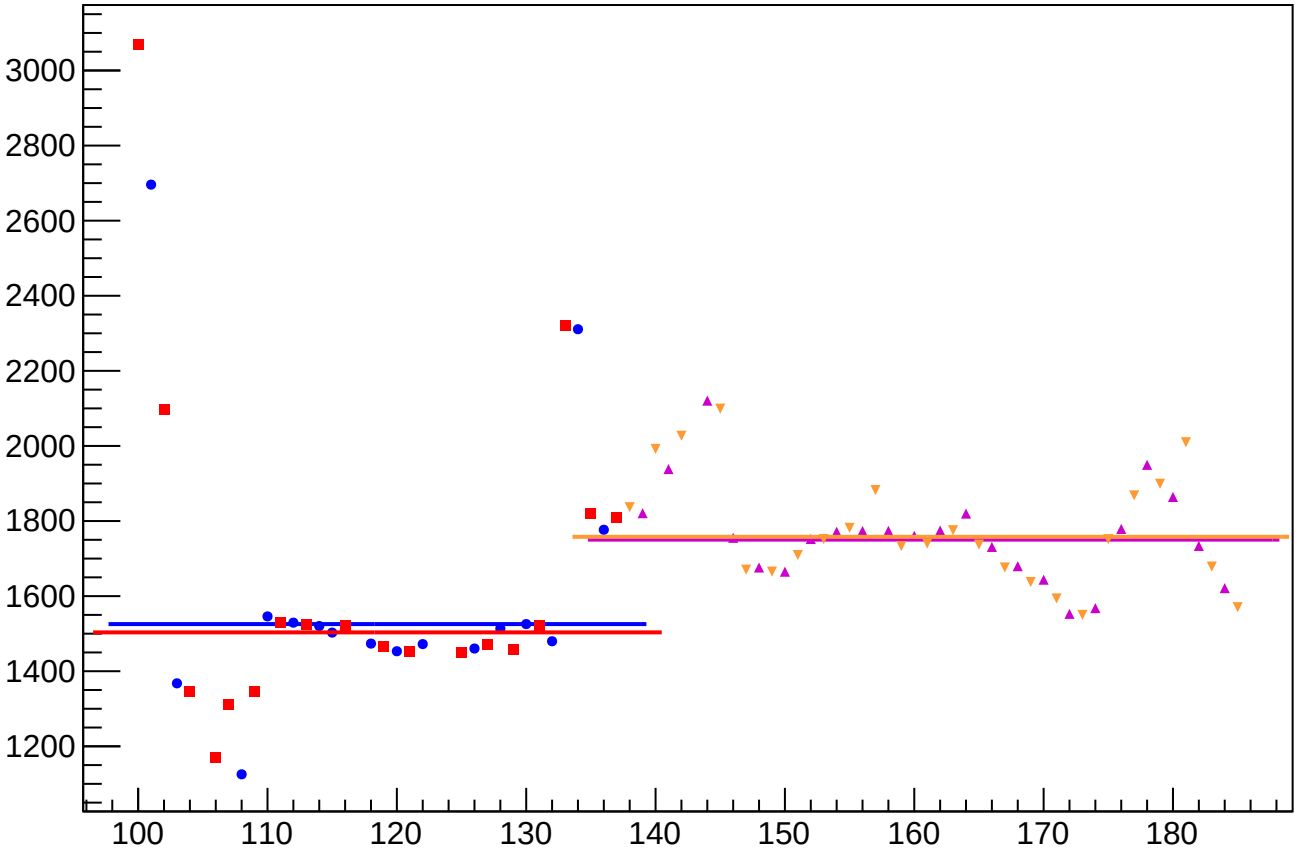
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 559.838+/-334.199 χ^2/NDF: 60.9/39

All: 656.622+/-236.198 χ^2/NDF: 94.1/80

- 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: 1757.968+/-0.290 χ^2/NDF:213292.2/23

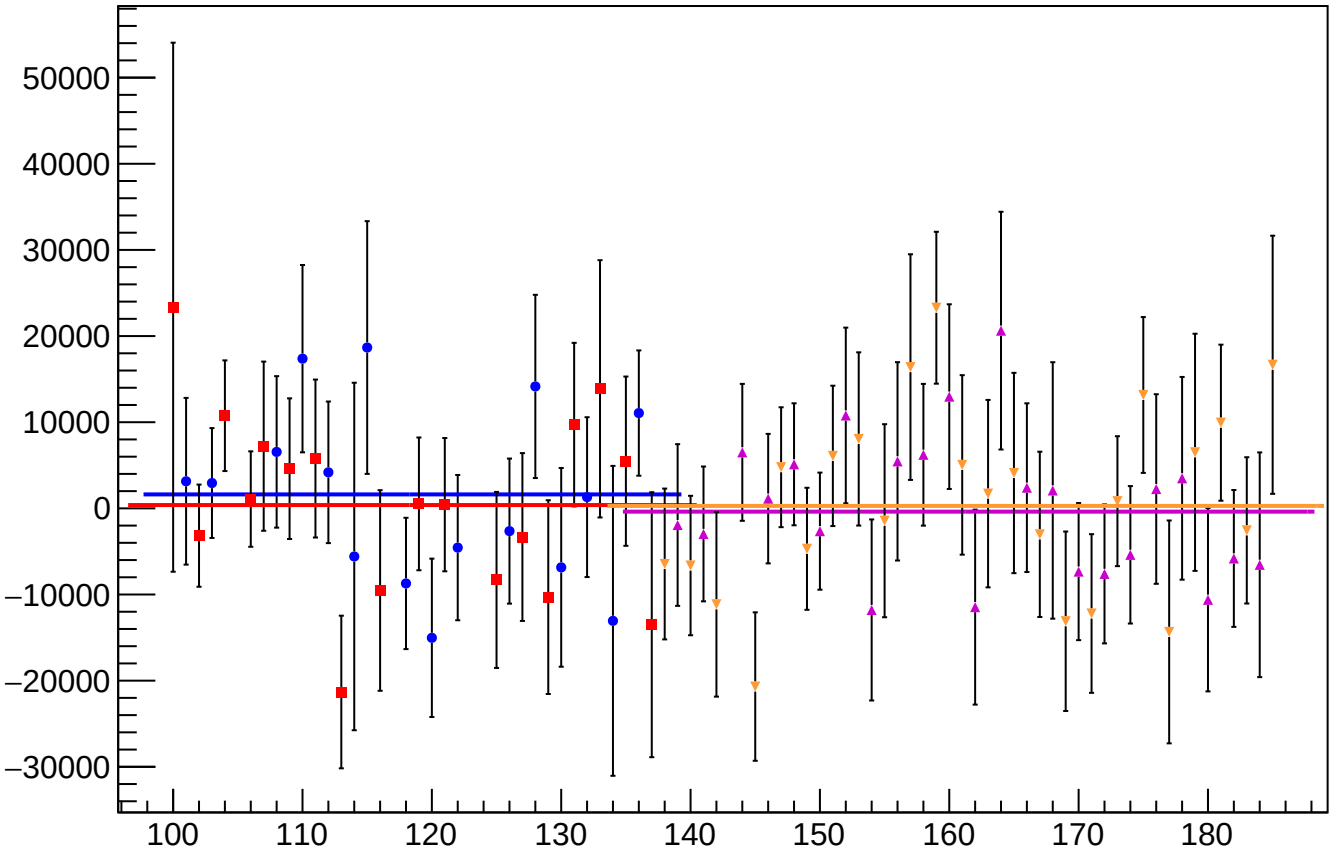
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1680.281+/-0.236 χ^2/NDF: 916889.3/39

All: 1673.729+/-0.167 χ^2/NDF: 1673594.0/80

- sign 1667.190+/-0.236 χ^2/NDF: 755168.6/40



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

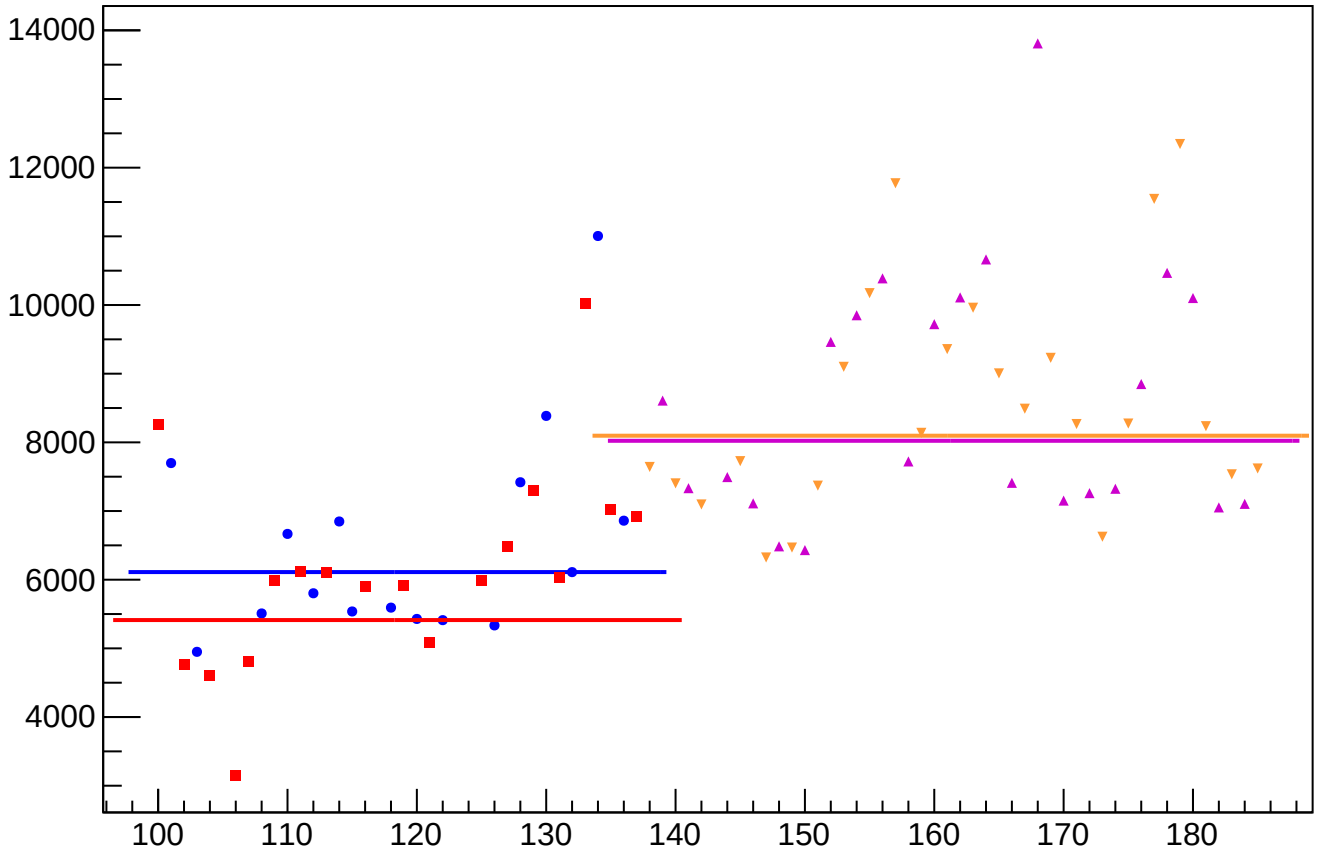
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 827.678+/-1479.227 χ^2/NDF: 43.1/39

All: 377.370+/-1017.500 χ^2/NDF: 73.0/80

- sign -27.040+/-1401.816 χ^2/NDF: 29.7/40



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

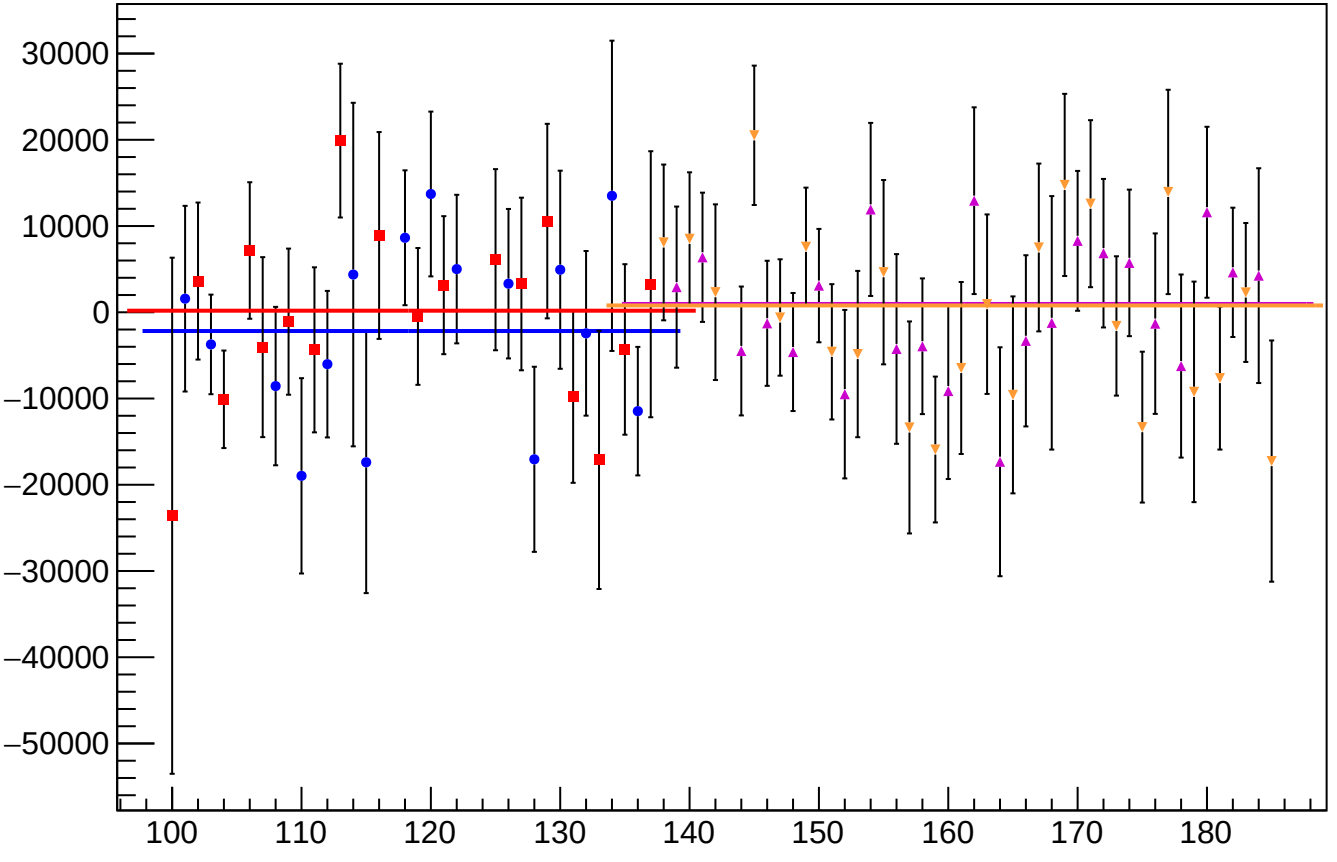
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7289.559+/-1.046 χ^2/NDF: 2429066.7/39

All: 7039.493+/-0.719 χ^2/NDF: 6308889.2/80

- 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: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

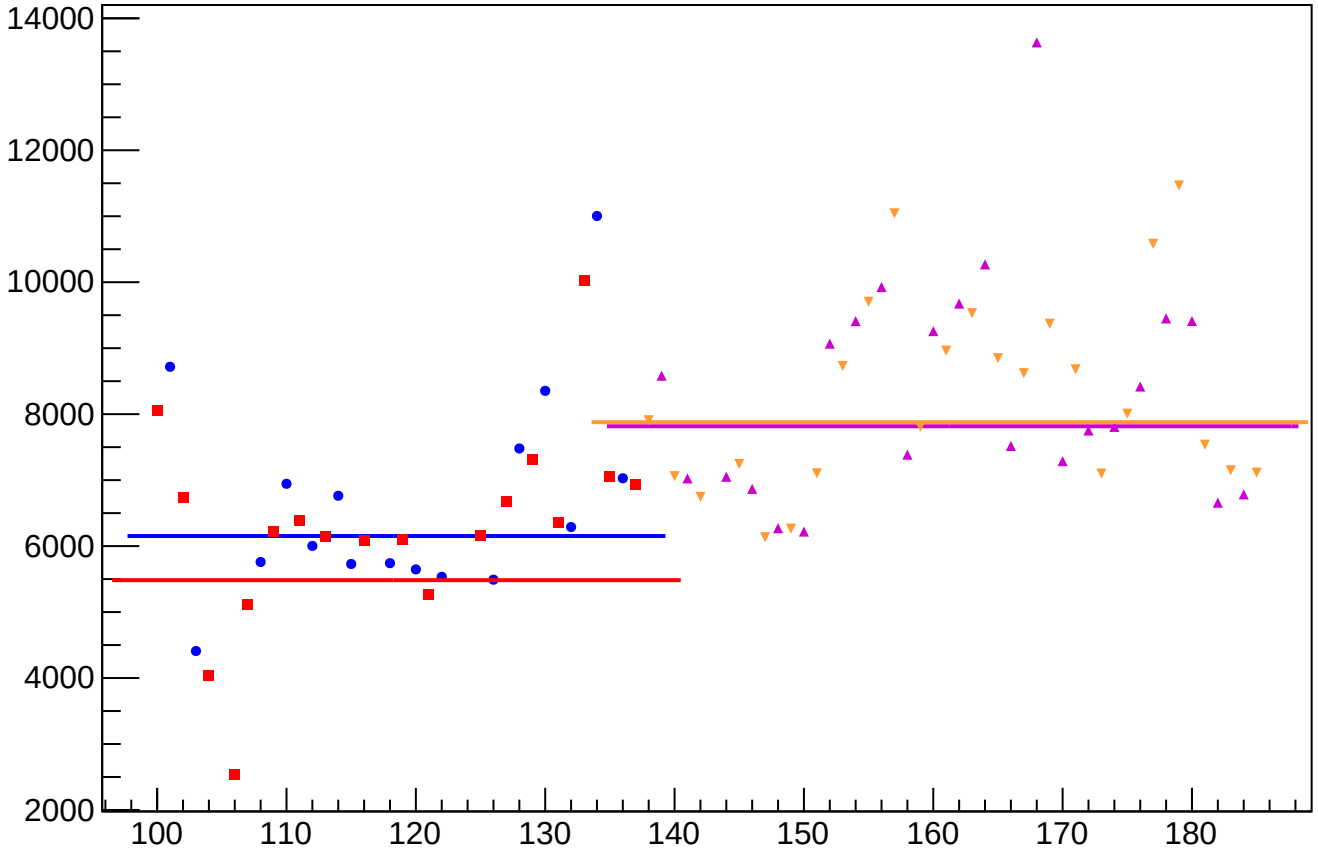
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -356.129+/-1460.349 χ^2/NDF: 42.7/39

All: 154.925+/-1021.008 χ^2/NDF: 70.5/80

- 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: 7878.482+/-1.319 χ^2/NDF:990058.5/23

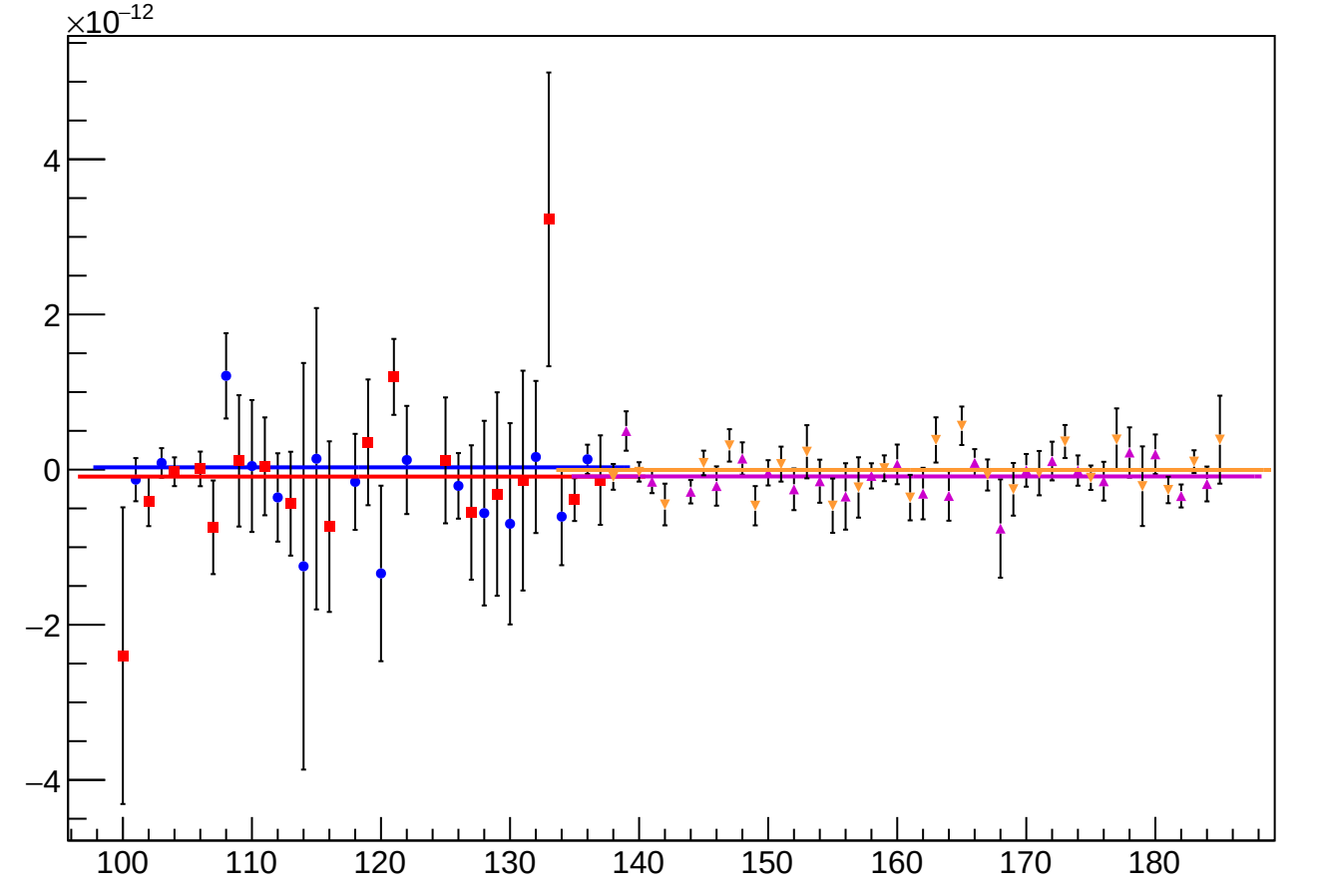
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7210.702+/-1.033 χ^2/NDF: 2276671.7/39

All: 7006.521+/-0.716 χ^2/NDF: 5981012.6/80

- 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:28.6/23

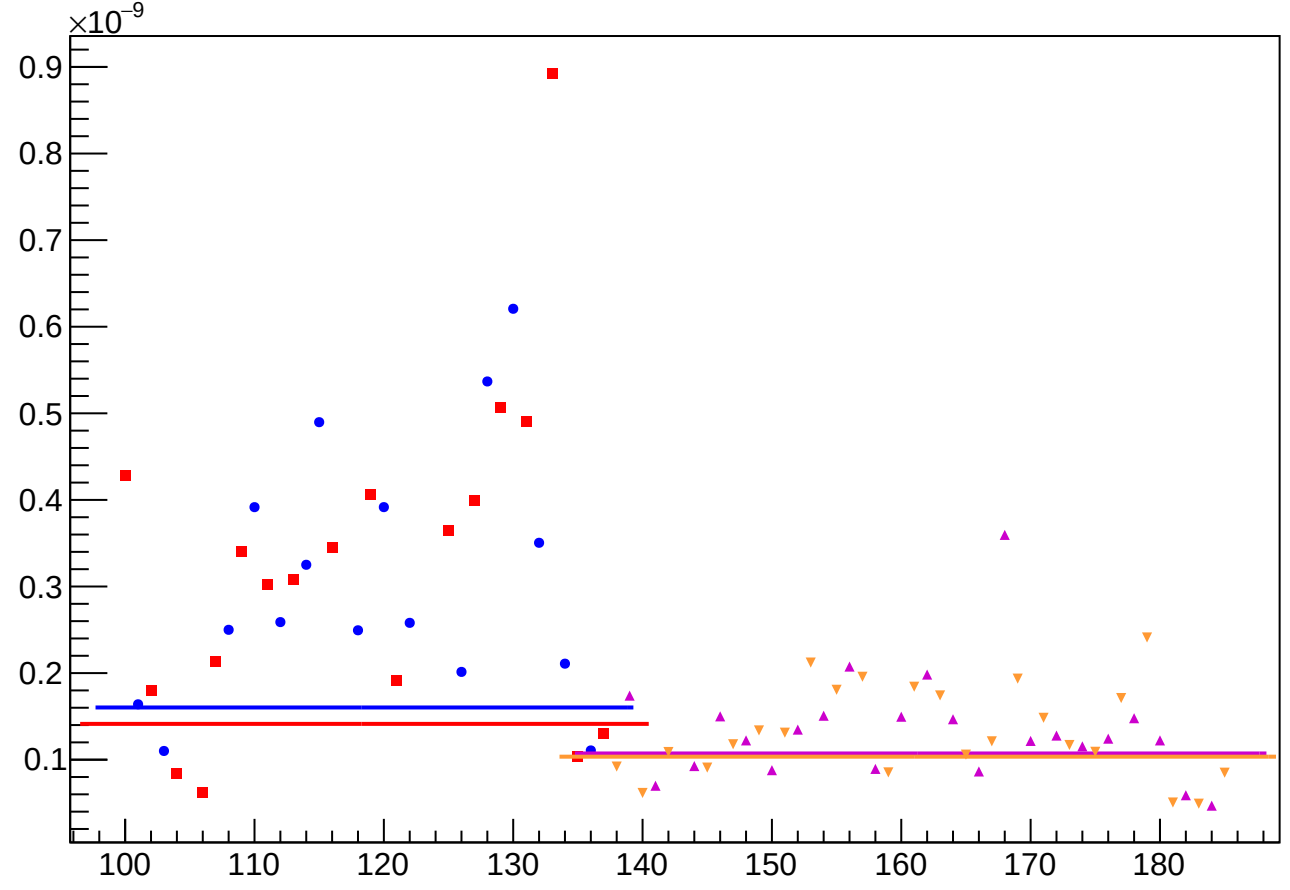
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.2/39

All: -0.000+/-0.000 χ^2/NDF: 76.4/80

- 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:1905146.0/23

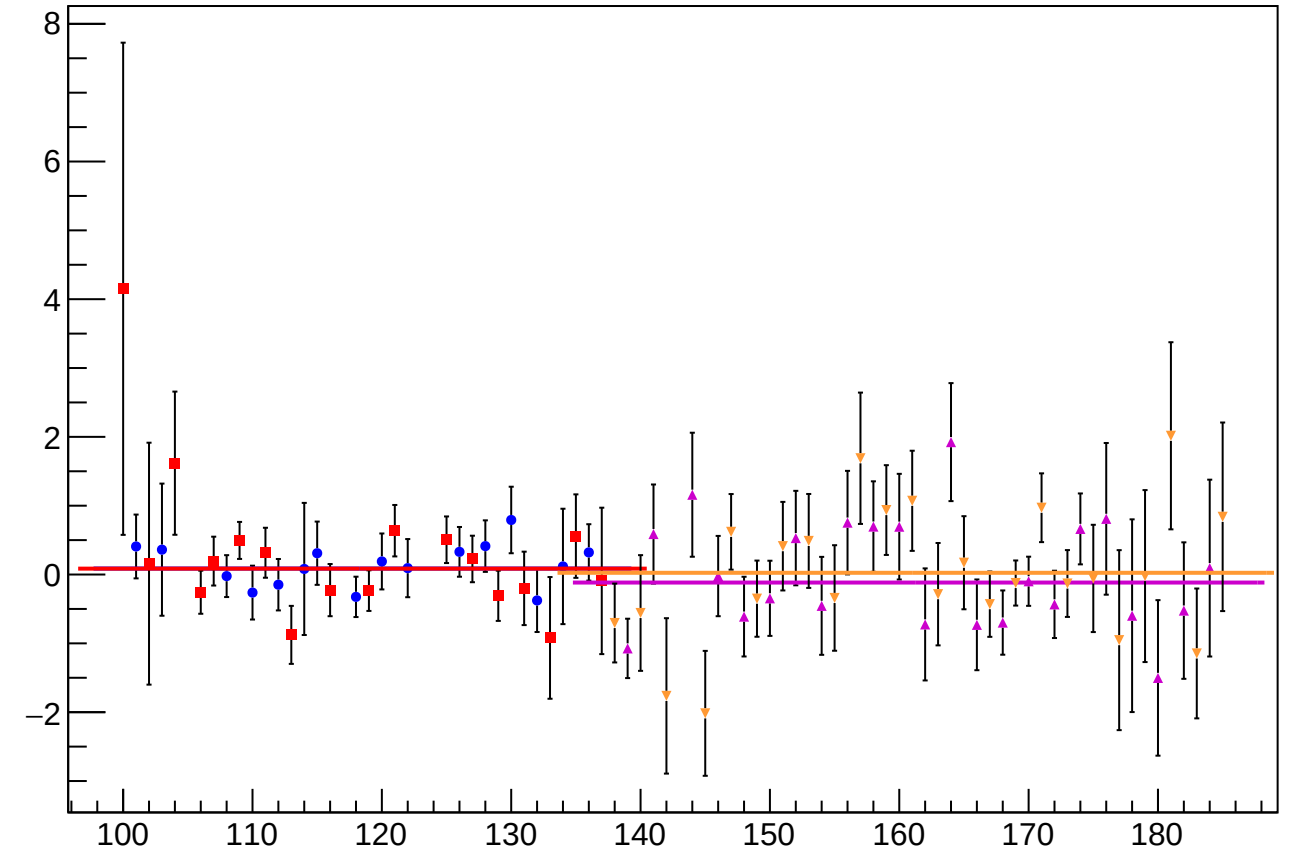
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3742995.1/39

All: 0.000+/-0.000 χ^2/NDF: 7691022.6/80

- 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: 0.025+/-0.134 χ^2/NDF:29.1/23

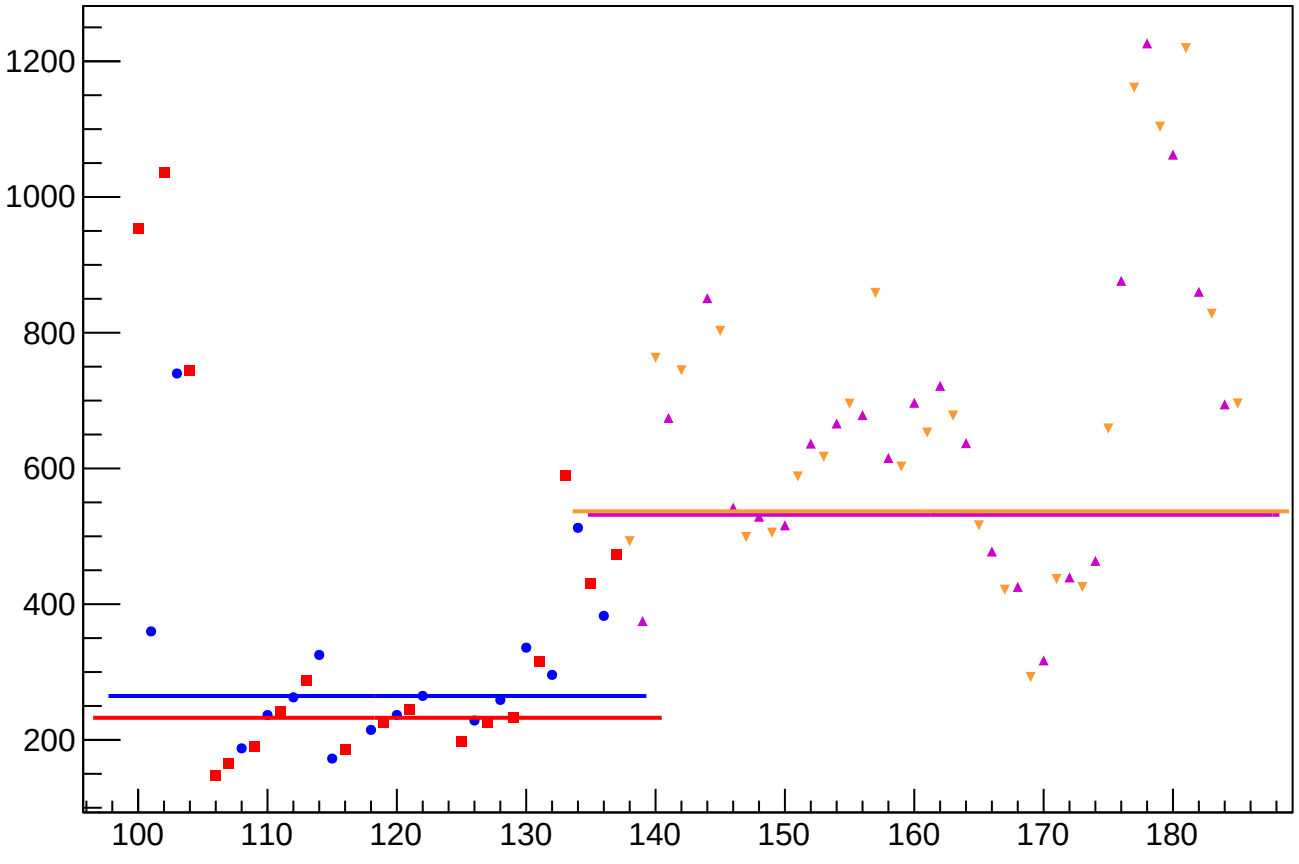
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.063+/-0.083 χ^2/NDF: 38.0/39

All: 0.038+/-0.057 χ^2/NDF: 89.4/80

- 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: 536.821+/-0.095 χ^2/NDF:3963242.1/23

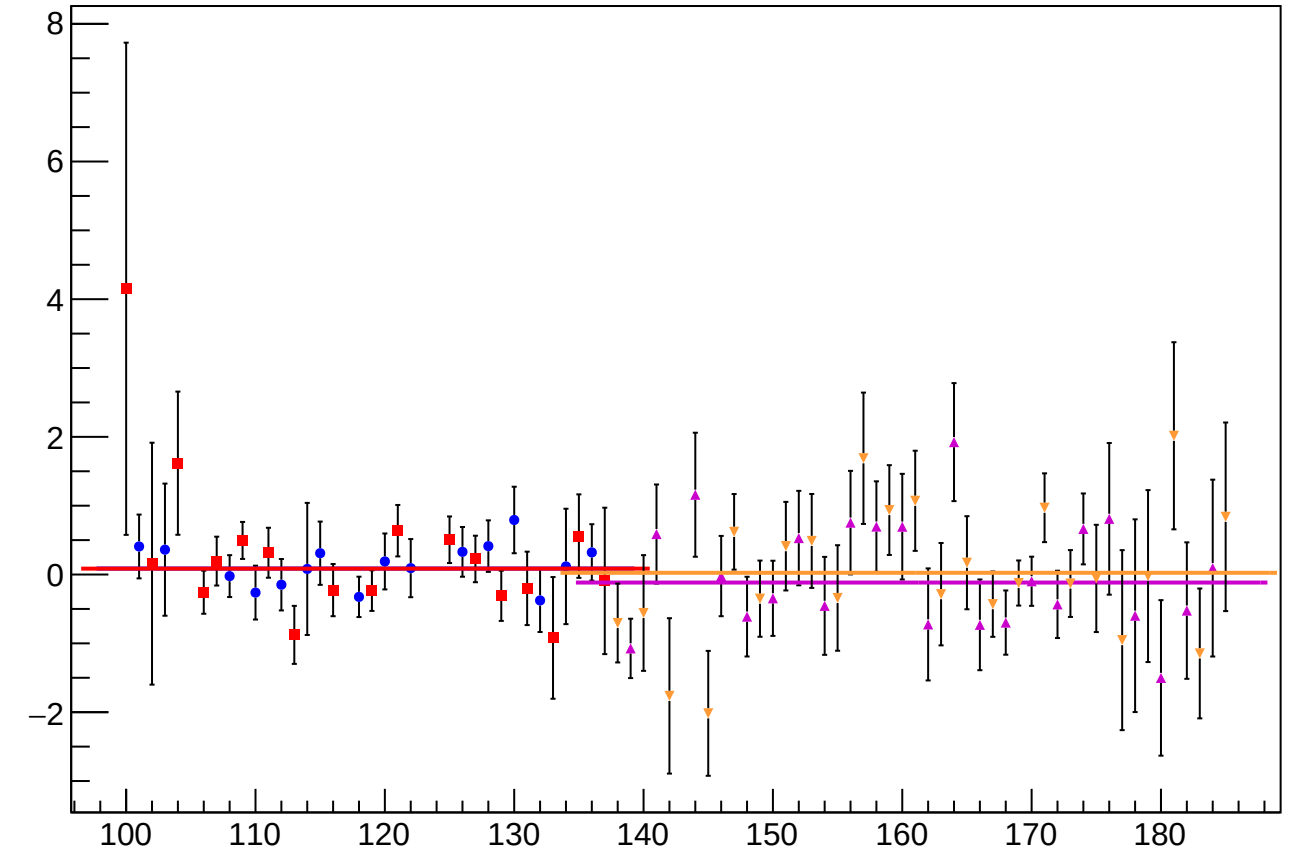
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 368.324+/-0.058 χ^2/NDF: 10357227.3/39

All: 352.099+/-0.040 χ^2/NDF: 22542293.4/80

- 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: 0.025+/-0.134 χ^2/NDF:29.1/23

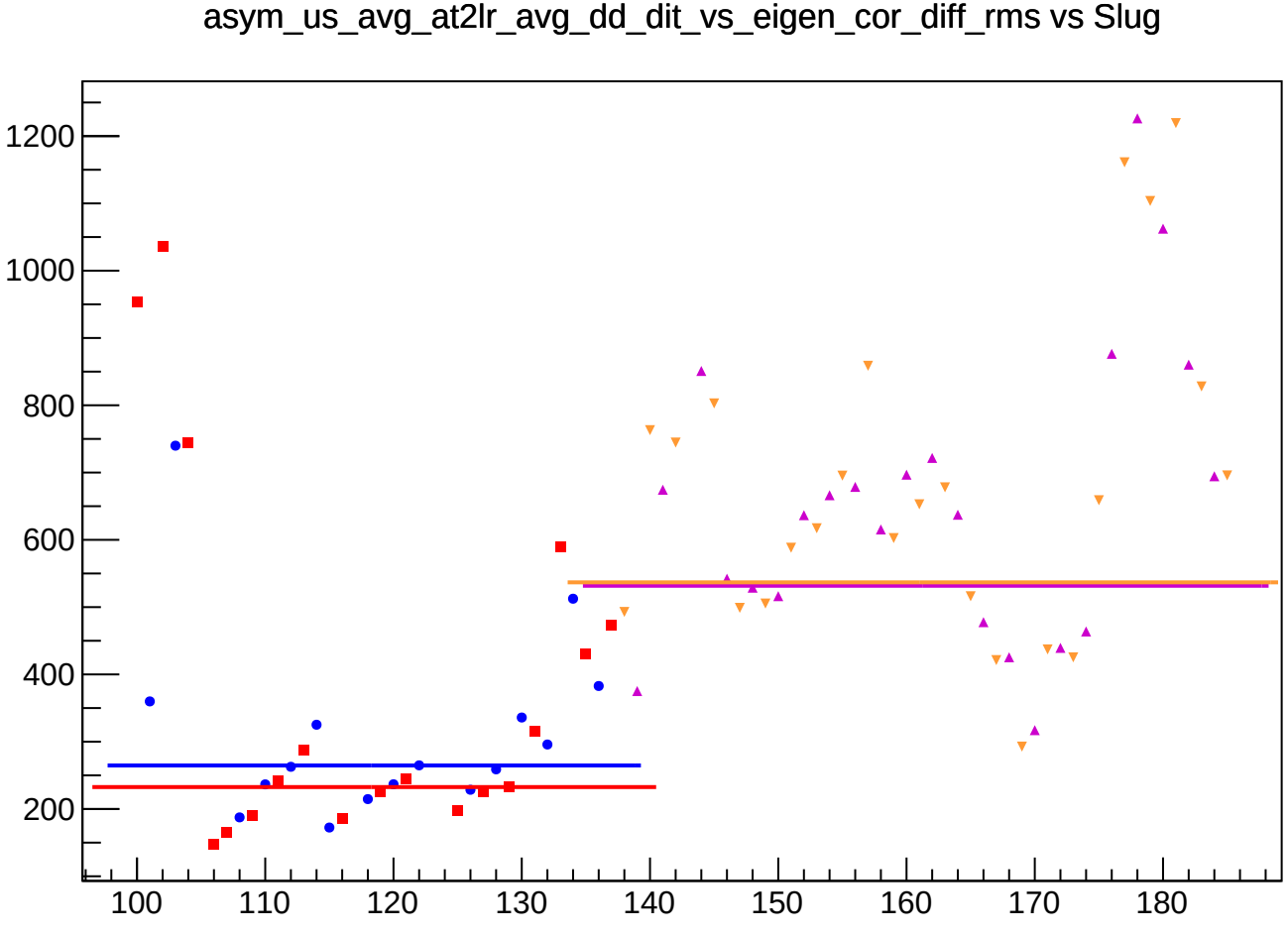
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

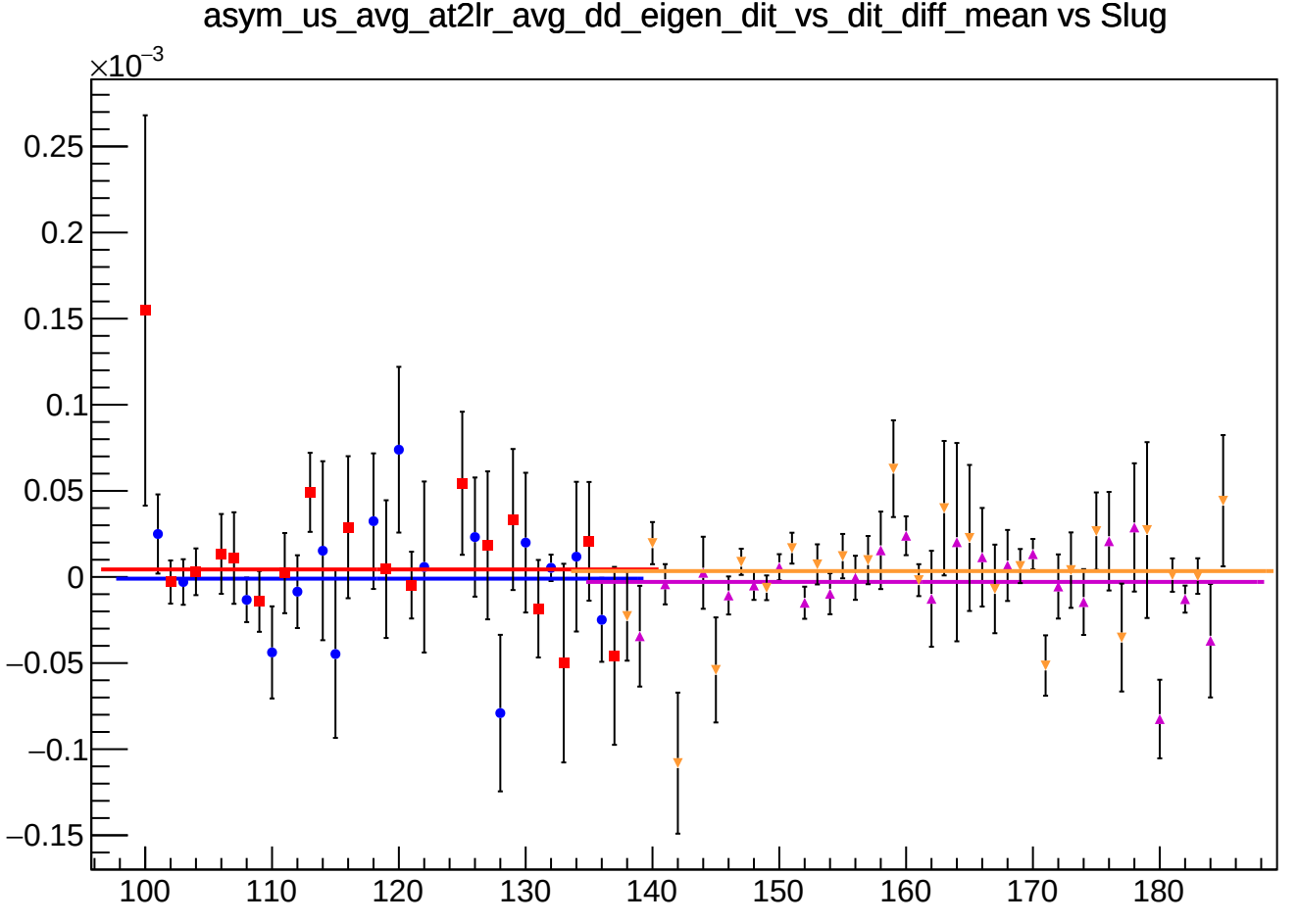
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.063+/-0.083 χ^2/NDF: 38.0/39

All: 0.038+/-0.057 χ^2/NDF: 89.4/80

- 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
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 368.324+/-0.058 χ²/NDF: 10357227.3/39
All: 352.099+/-0.040 χ²/NDF: 22542293.4/80
- 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:39.1/23

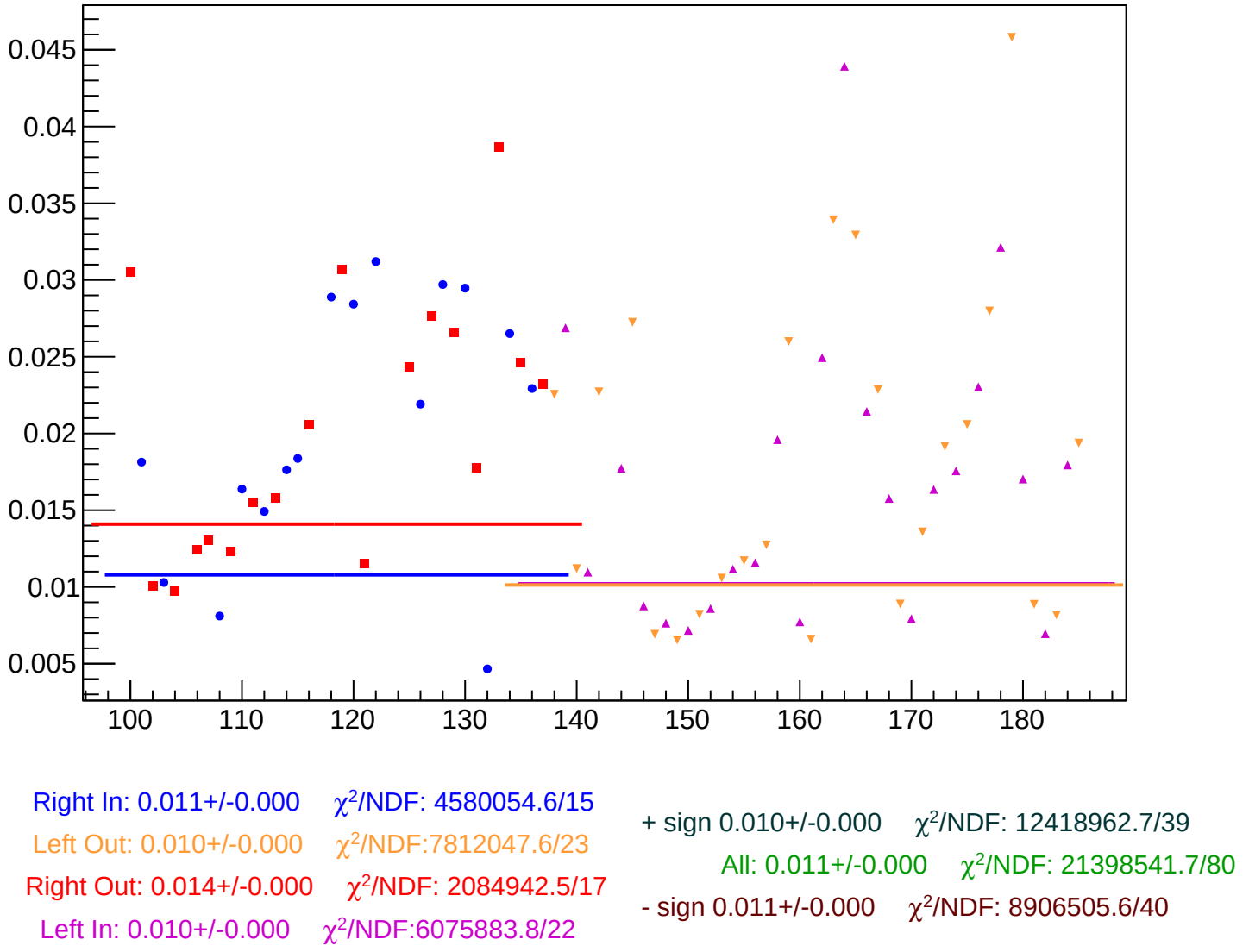
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

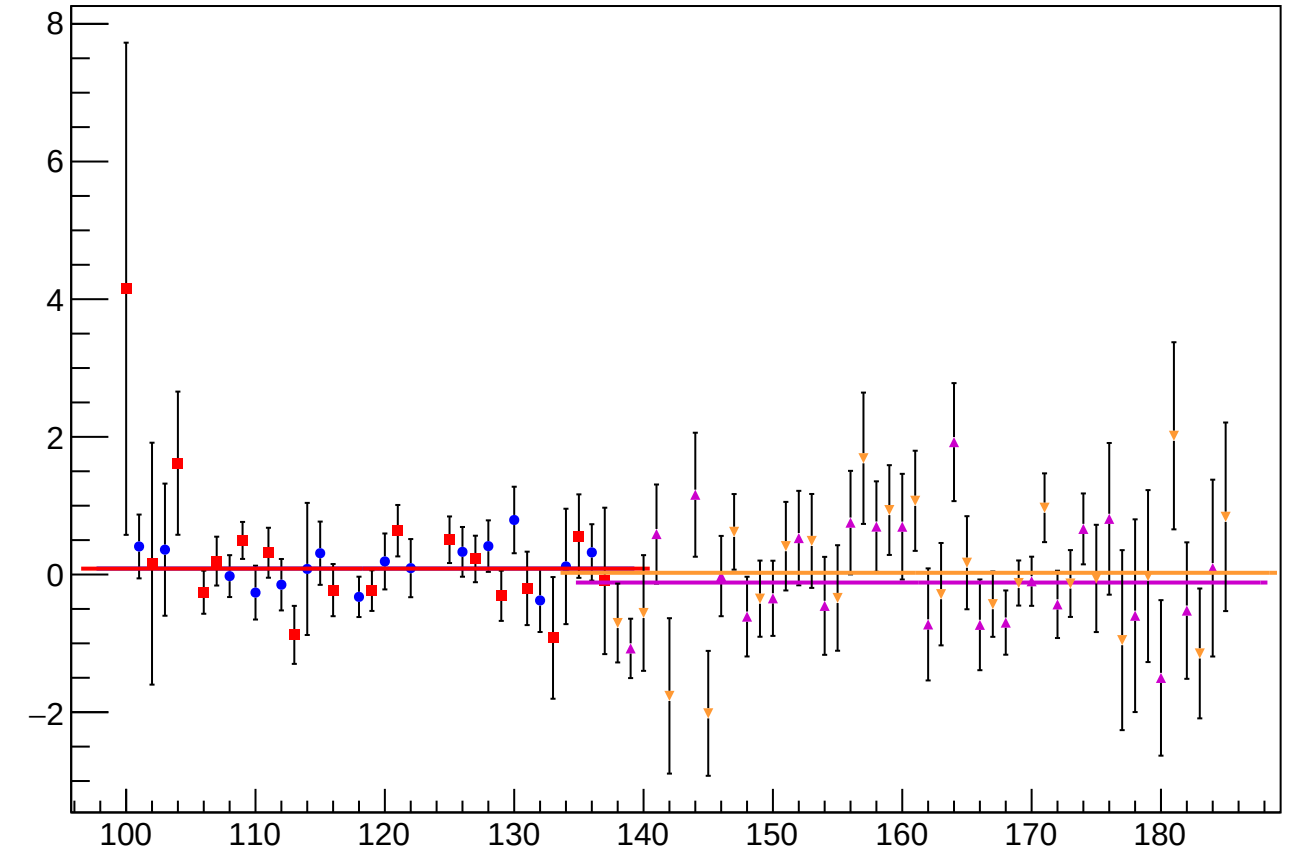
Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/39

All: 0.000+/-0.000 χ^2/NDF: 101.4/80

- 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:7812047.6/23
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: 12418962.7/39
All: 0.011+/-0.000 χ²/NDF: 21398541.7/80
- sign 0.011+/-0.000 χ²/NDF: 8906505.6/40



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

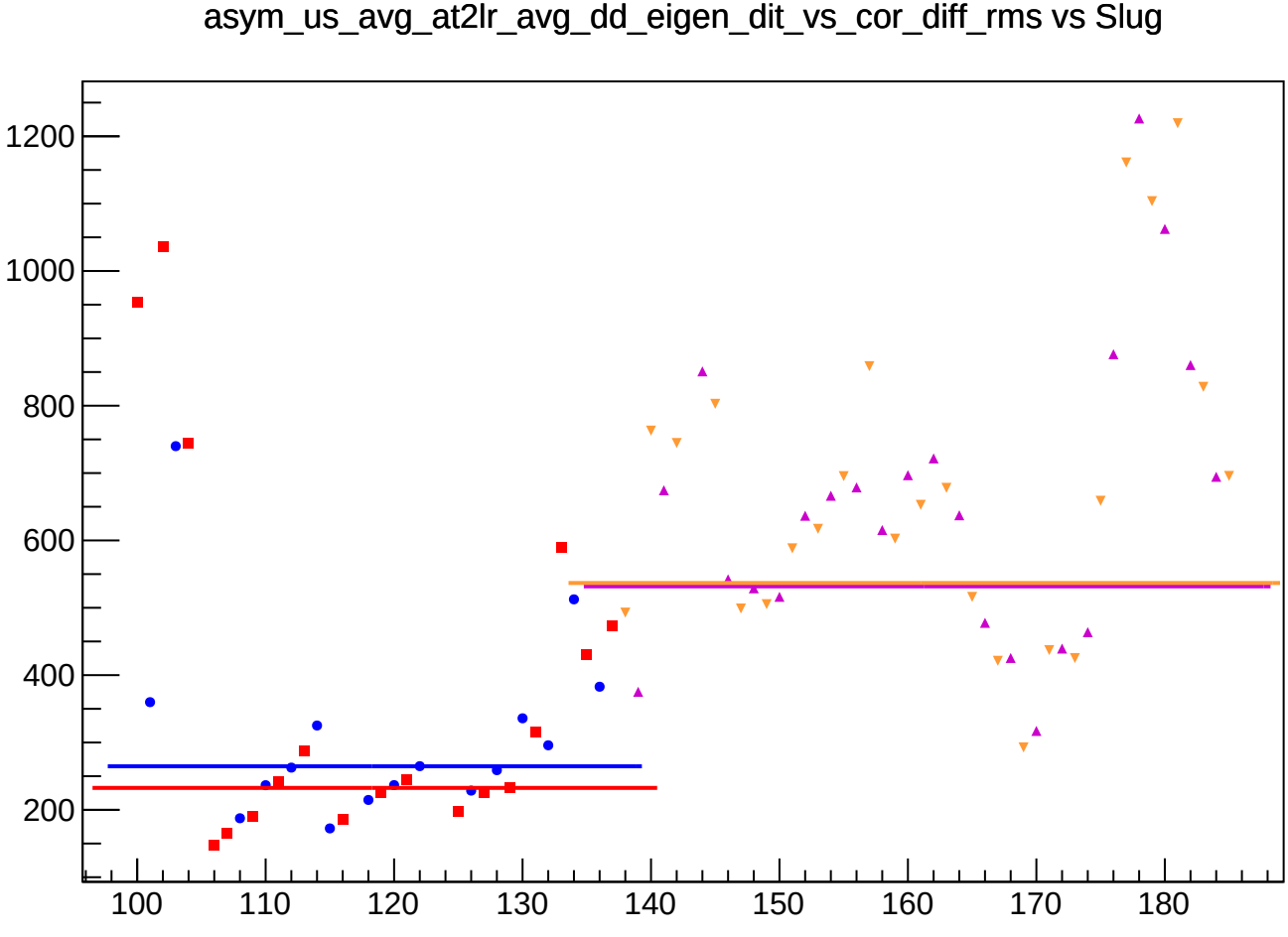
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.063+/-0.083 χ^2/NDF: 38.0/39

All: 0.038+/-0.057 χ^2/NDF: 89.4/80

- 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: 536.822+/-0.095 χ^2/NDF:3963422.5/23

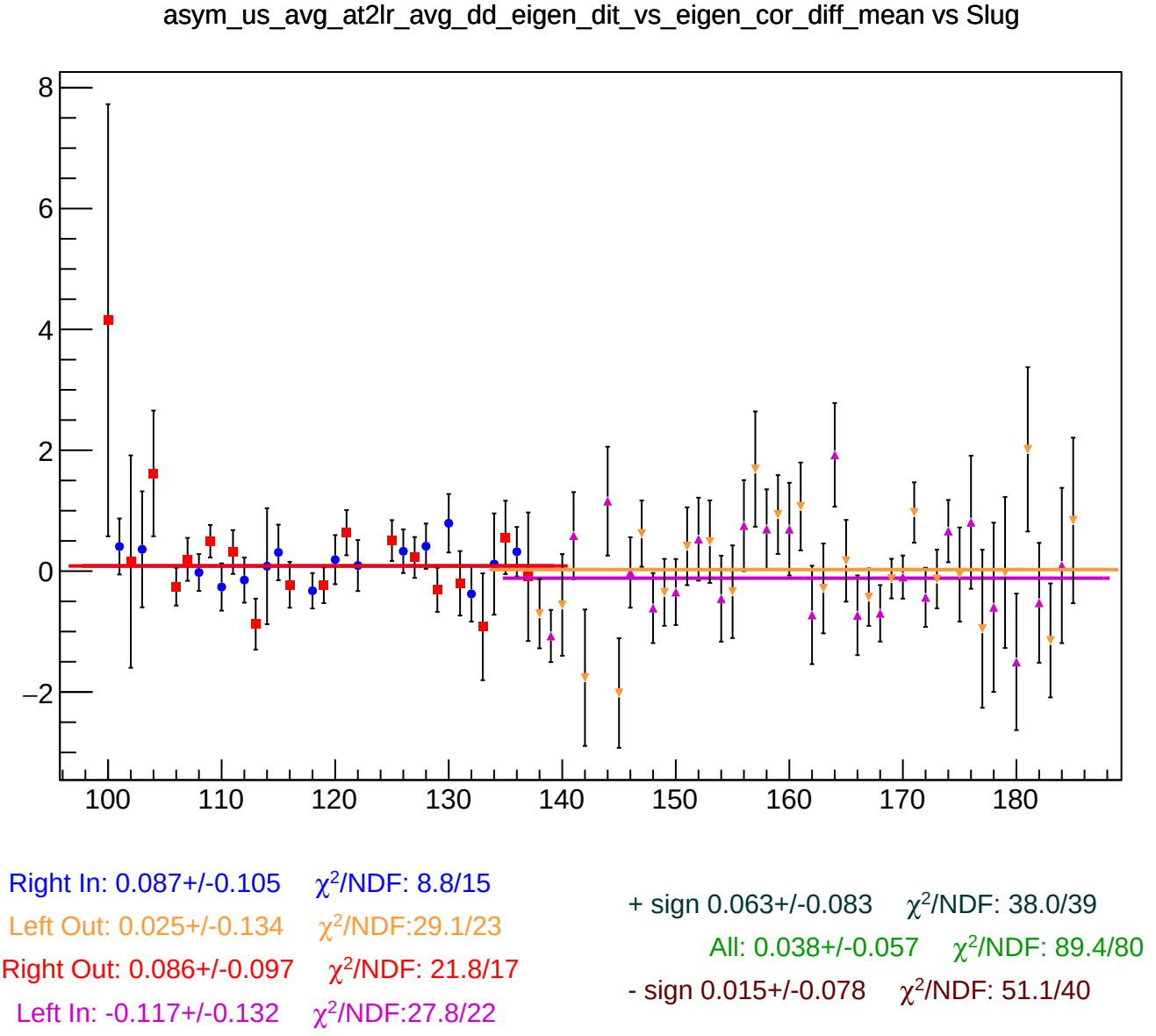
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

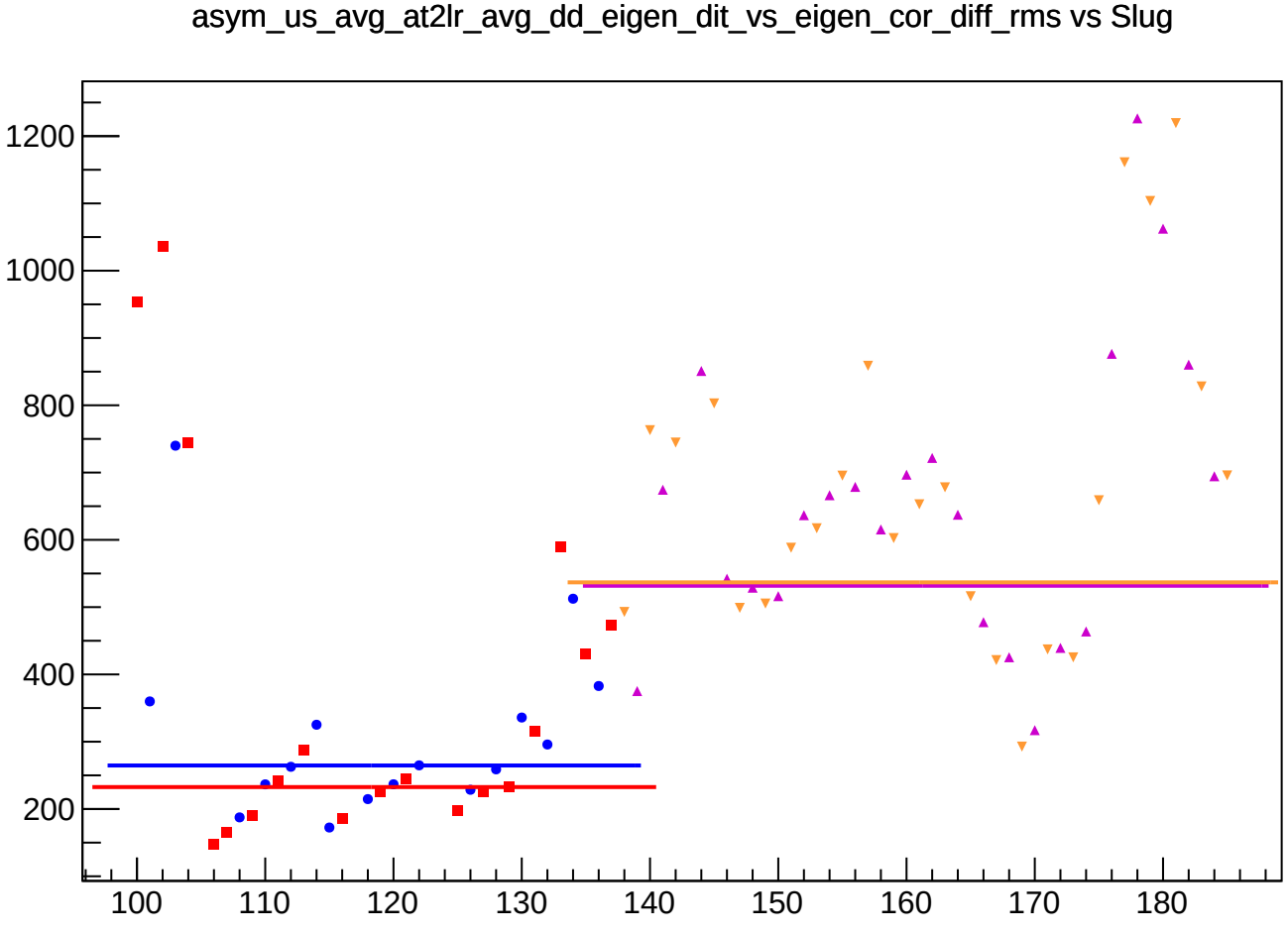
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 368.323+/-0.058 χ^2/NDF: 10357386.7/39

All: 352.099+/-0.040 χ^2/NDF: 22542555.7/80

- sign 337.497+/-0.055 χ^2/NDF: 12038849.8/40


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.063+/-0.083 χ²/NDF: 38.0/39
All: 0.038+/-0.057 χ²/NDF: 89.4/80
- sign 0.015+/-0.078 χ²/NDF: 51.1/40



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

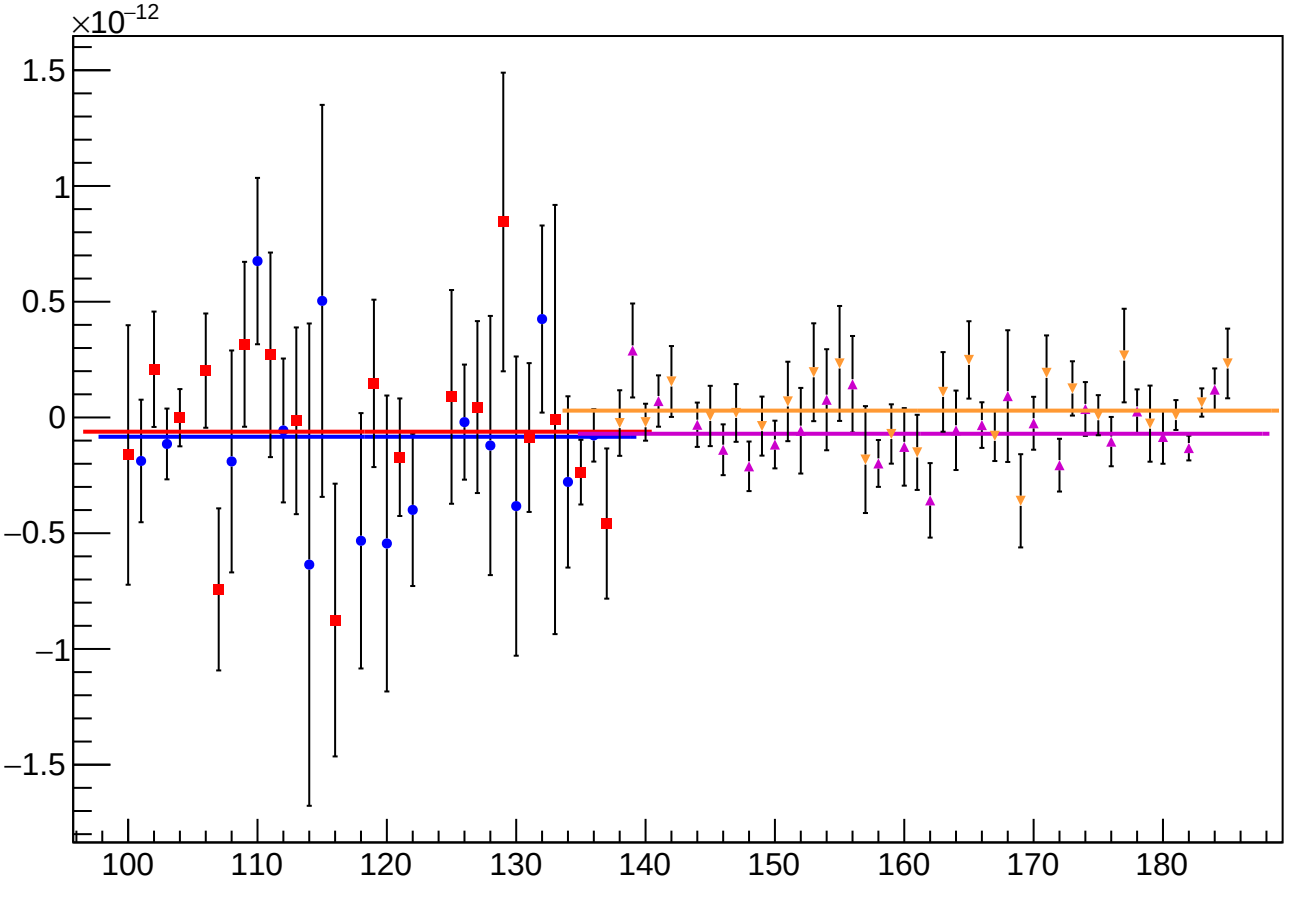
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 368.323+/-0.058 χ^2/NDF: 10357386.7/39

All: 352.099+/-0.040 χ^2/NDF: 22542555.7/80

- sign 337.497+/-0.055 χ^2/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:17.7/23

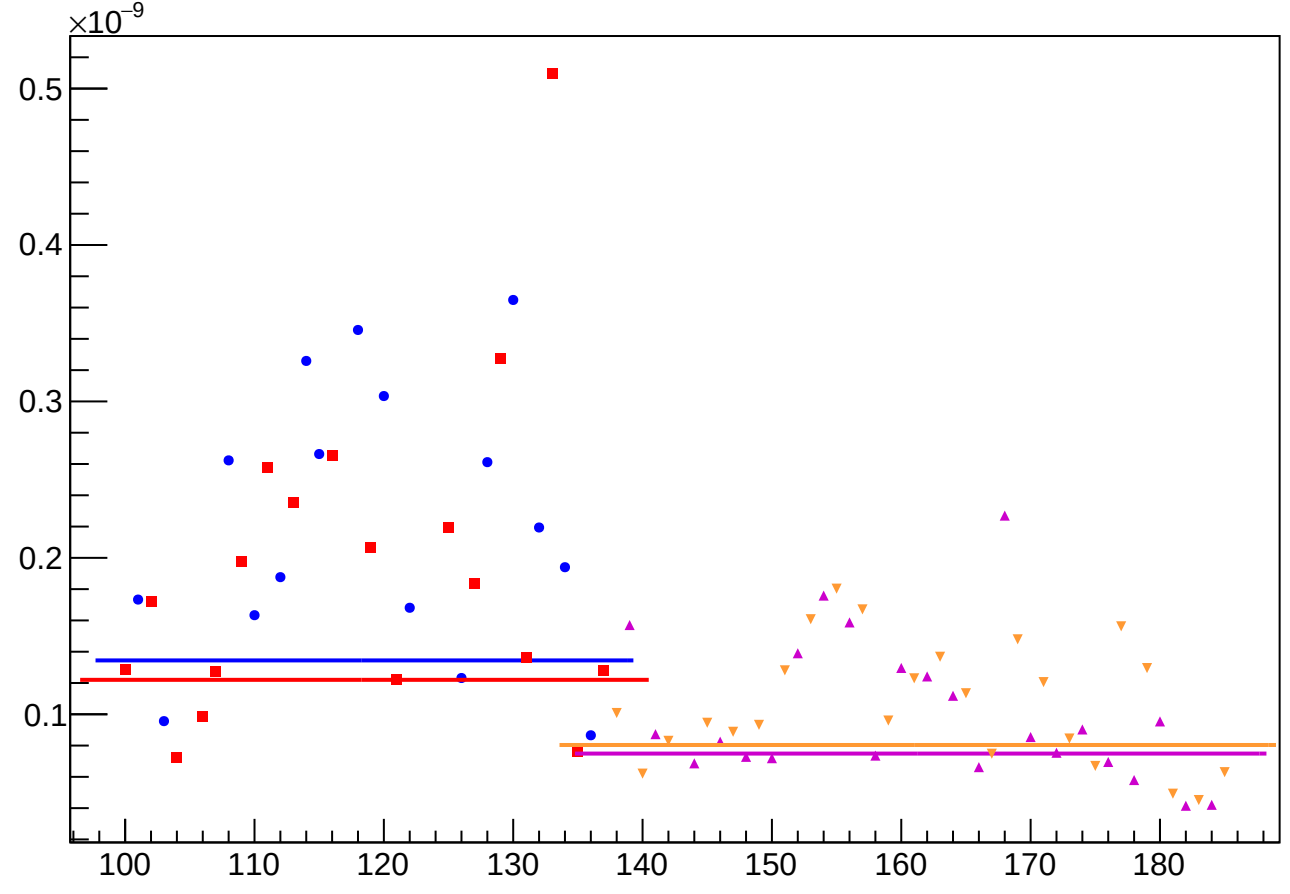
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/39

All: -0.000+/-0.000 χ^2/NDF: 76.3/80

- 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:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

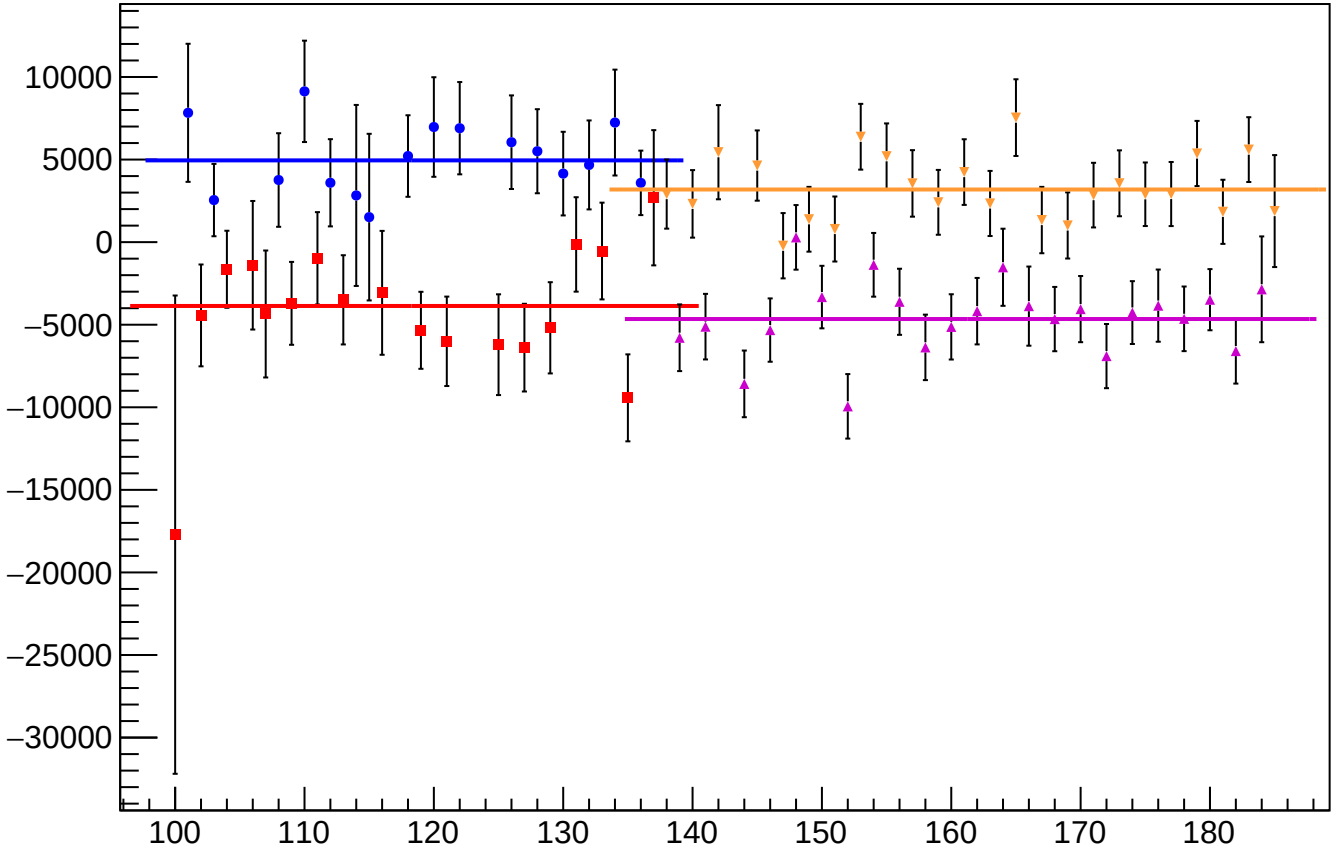
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6637905.1/39

All: 0.000+/-0.000 χ^2/NDF: 13325820.9/80

- 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: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

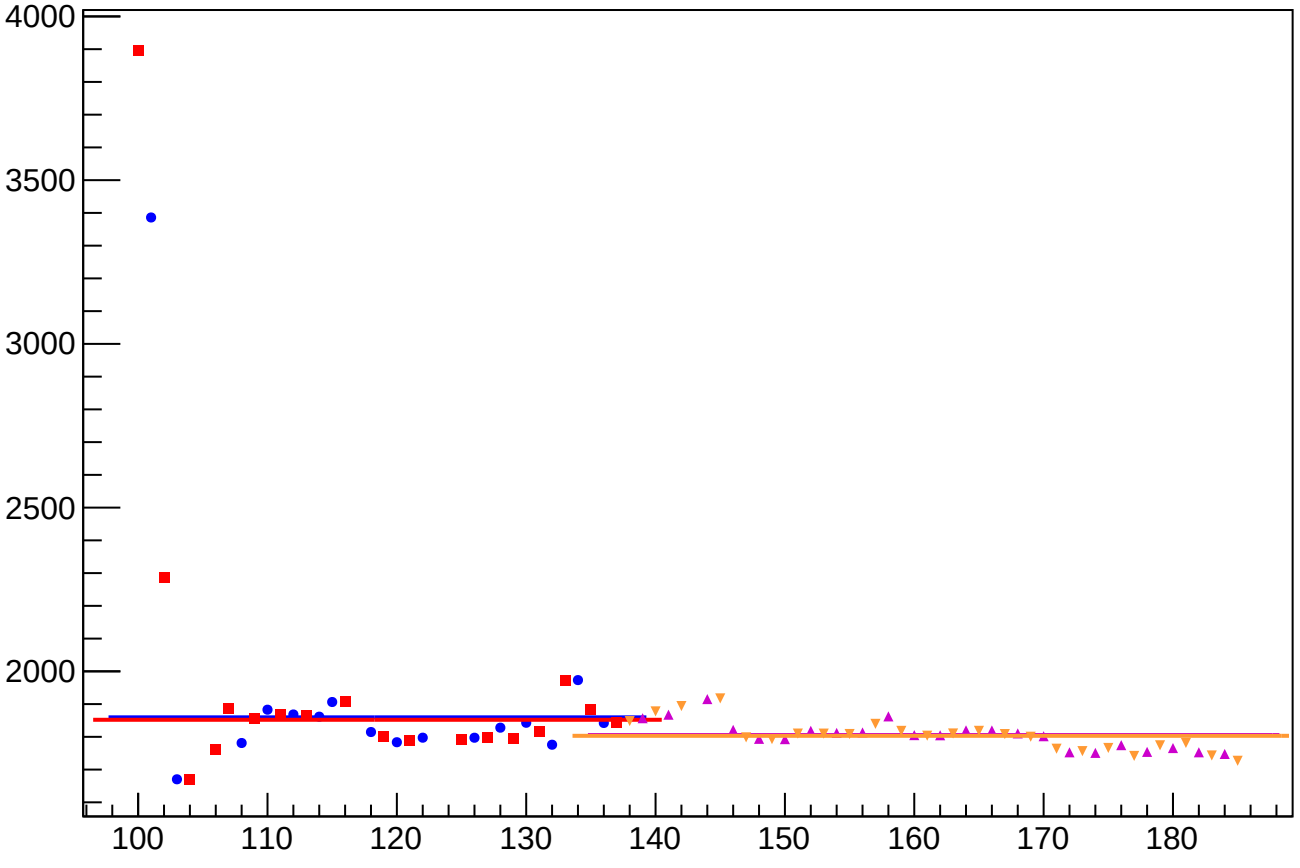
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3652.637+/-359.131 χ^2/NDF: 31.4/39

All: -378.323+/-254.472 χ^2/NDF: 329.2/80

- 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: 1803.115+/-0.296 χ^2/NDF:20641.1/23

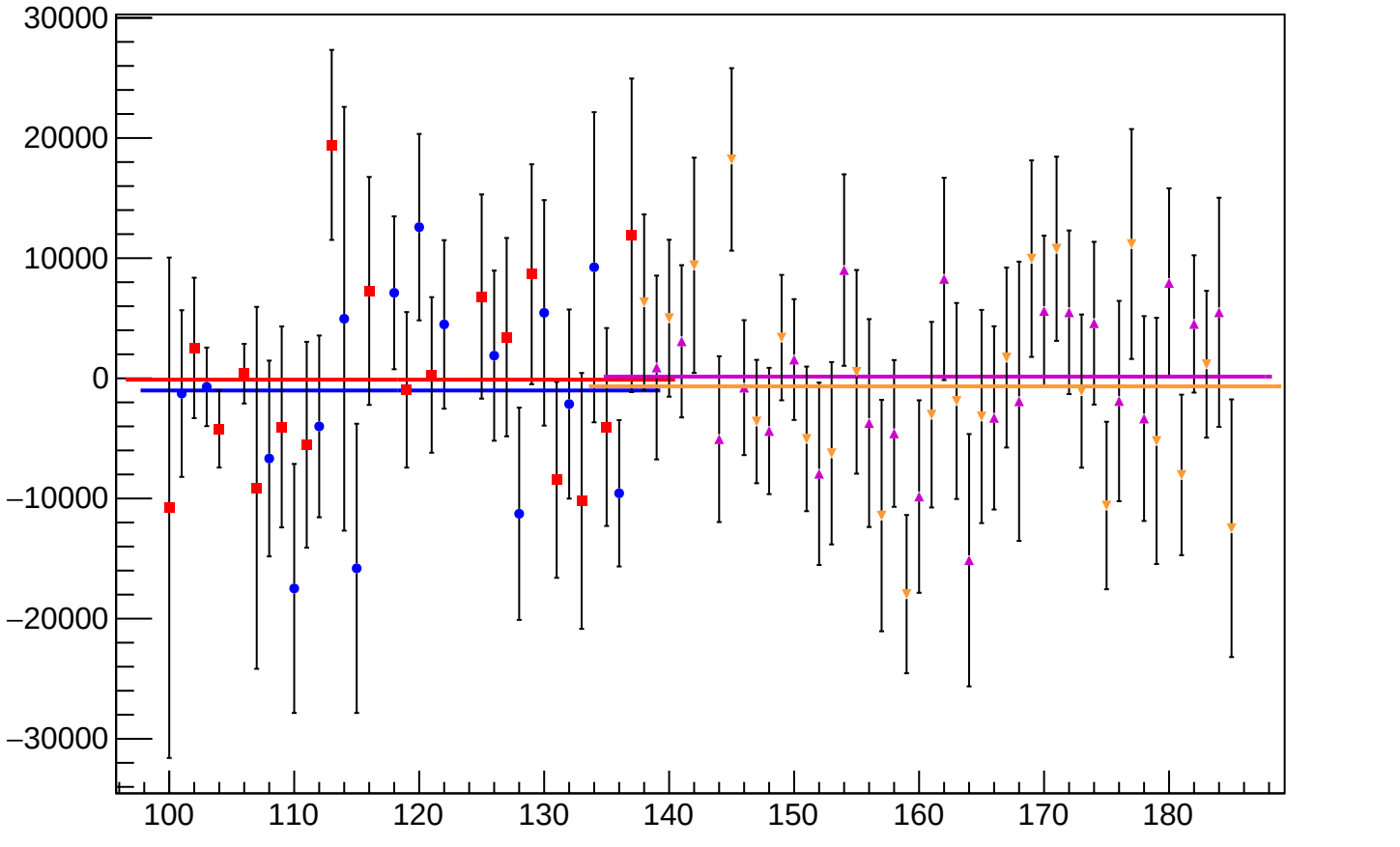
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

\+ sign 1818.004+/-0.254 χ^2/NDF: 322558.7/39

All: 1818.056+/-0.180 χ^2/NDF: 450650.0/80

\- 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: -667.243+/-1478.798 χ^2/NDF:29.8/23

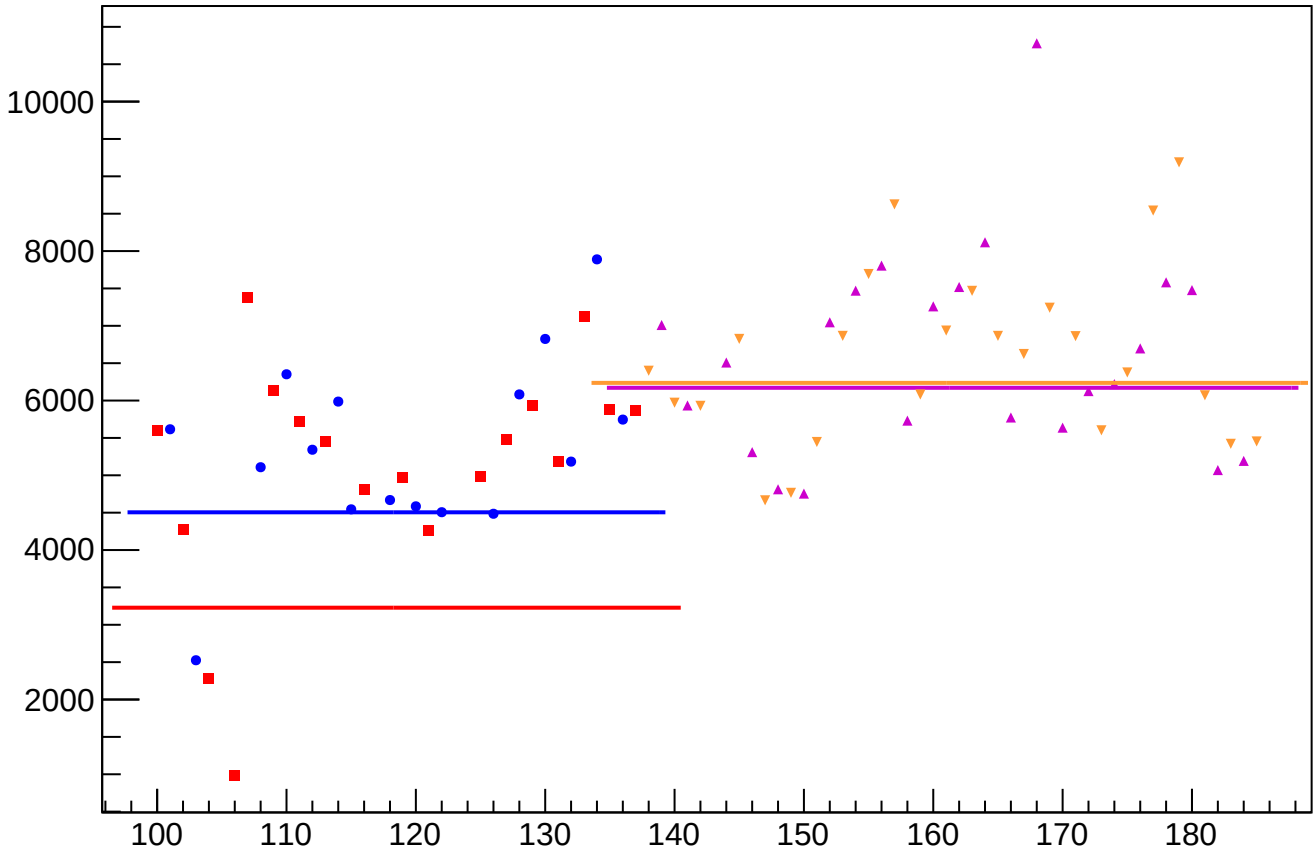
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -808.810+/-1133.307 χ^2/NDF: 44.5/39

All: -358.081+/-761.665 χ^2/NDF: 73.0/80

- 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: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

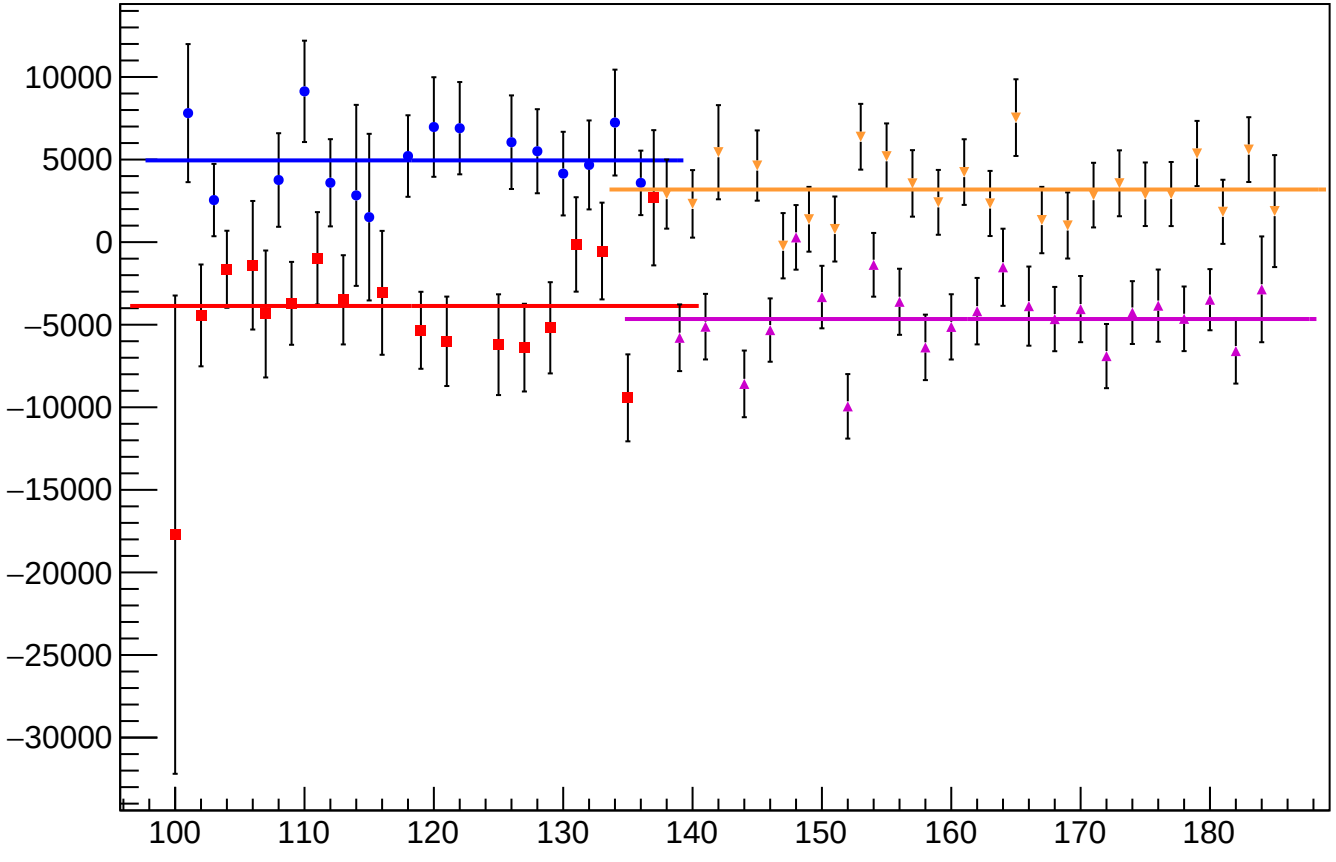
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5521.944+/-0.801 χ^2/NDF: 3520750.6/39

All: 5052.878+/-0.539 χ^2/NDF: 13428315.1/8

- 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: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

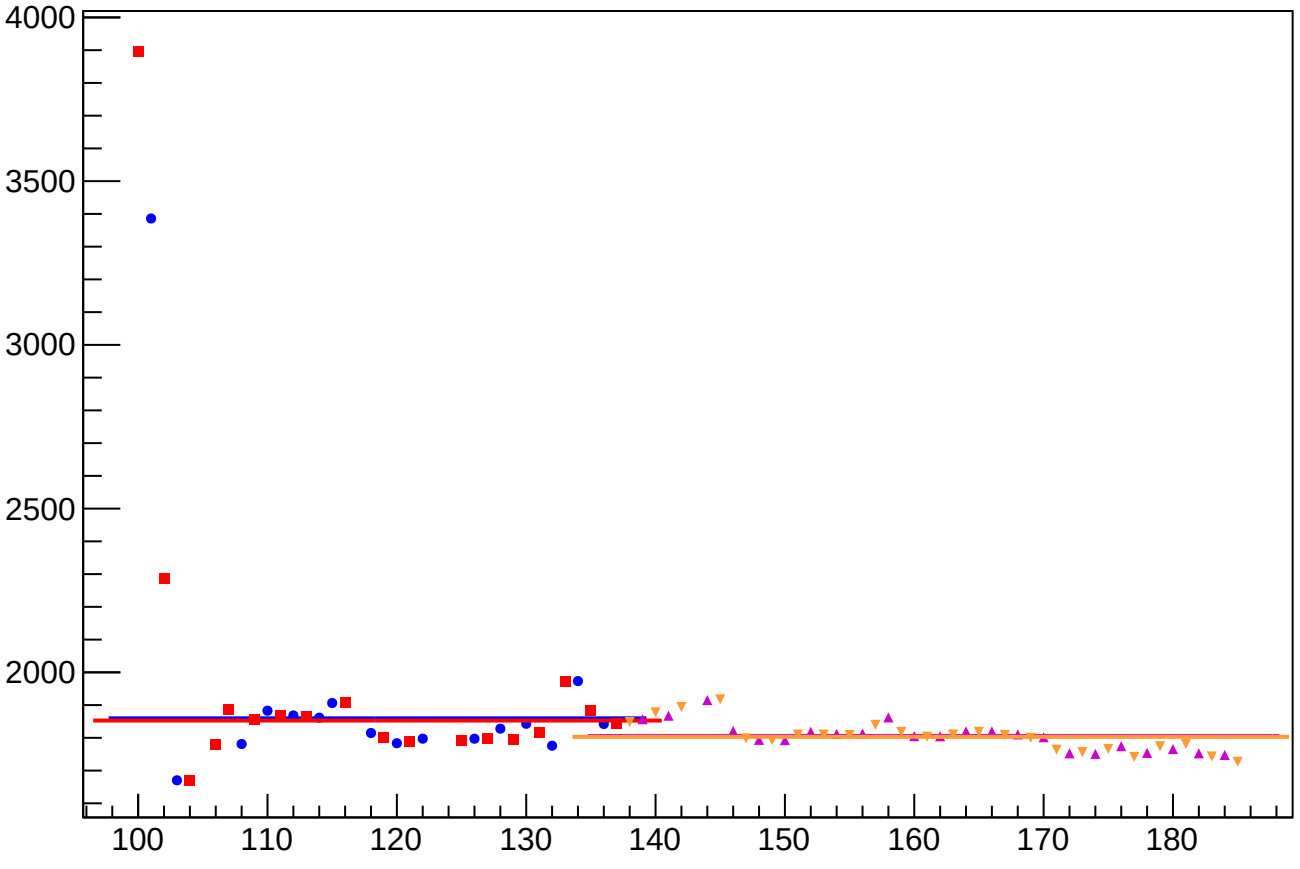
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3652.459+/-359.131 χ^2/NDF: 31.4/39

All: -378.390+/-254.472 χ^2/NDF: 329.2/80

- 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: 1803.115+/-0.296 χ^2/NDF:20641.1/23

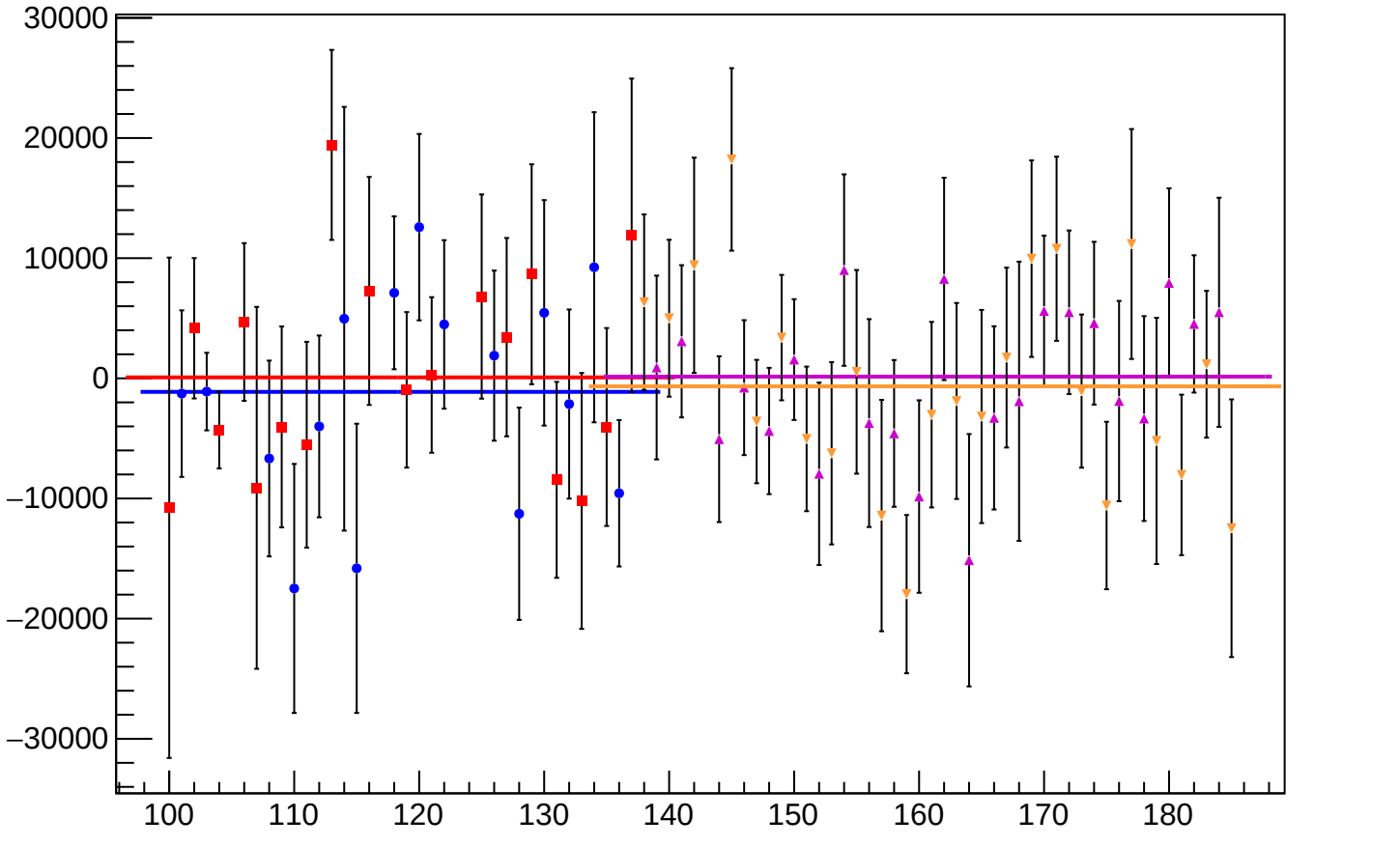
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.004+/-0.254 χ^2/NDF: 322560.5/39

All: 1818.147+/-0.180 χ^2/NDF: 450387.8/80

- 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: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

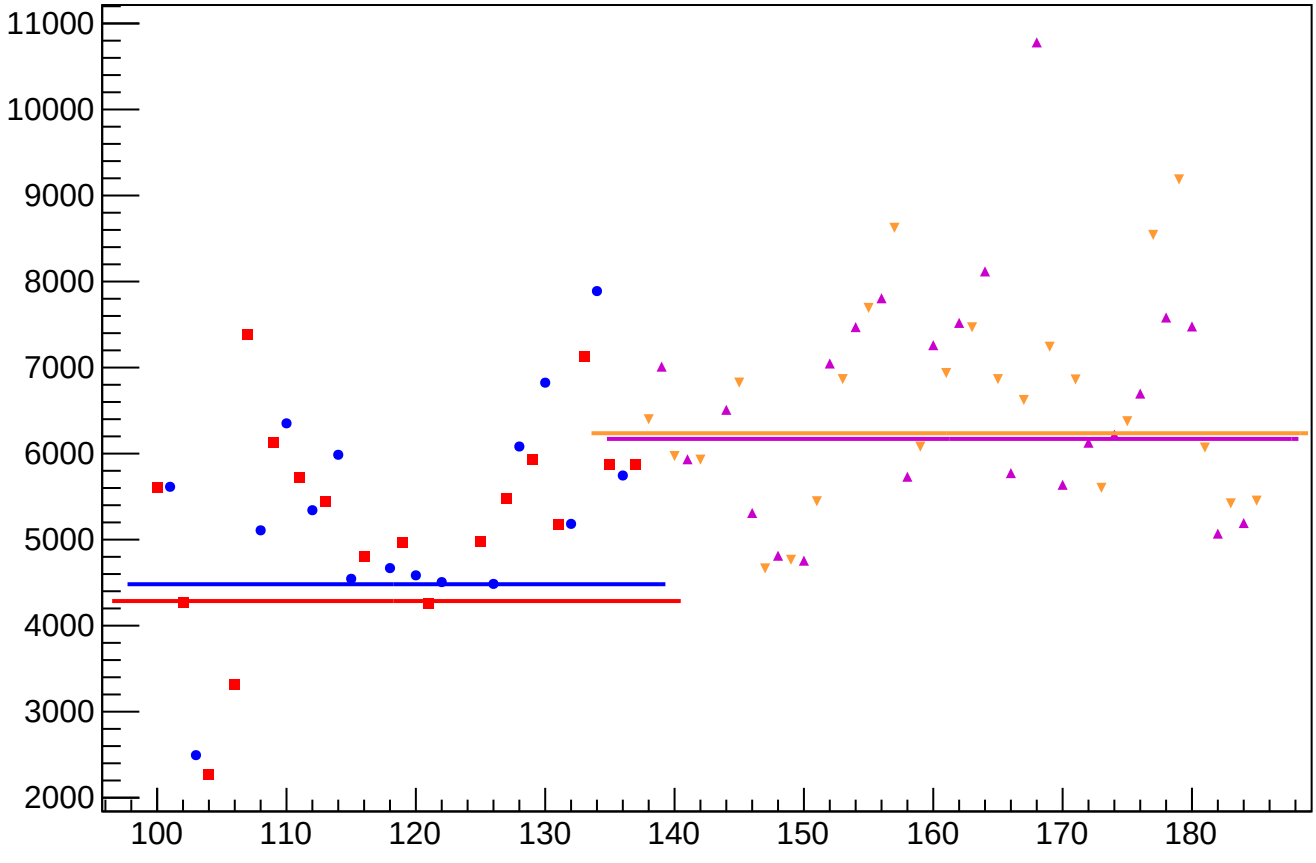
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

\+ sign -857.179+/-1131.631 χ^2/NDF: 44.5/39

All: -362.845+/-793.594 χ^2/NDF: 74.0/80

\- 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: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

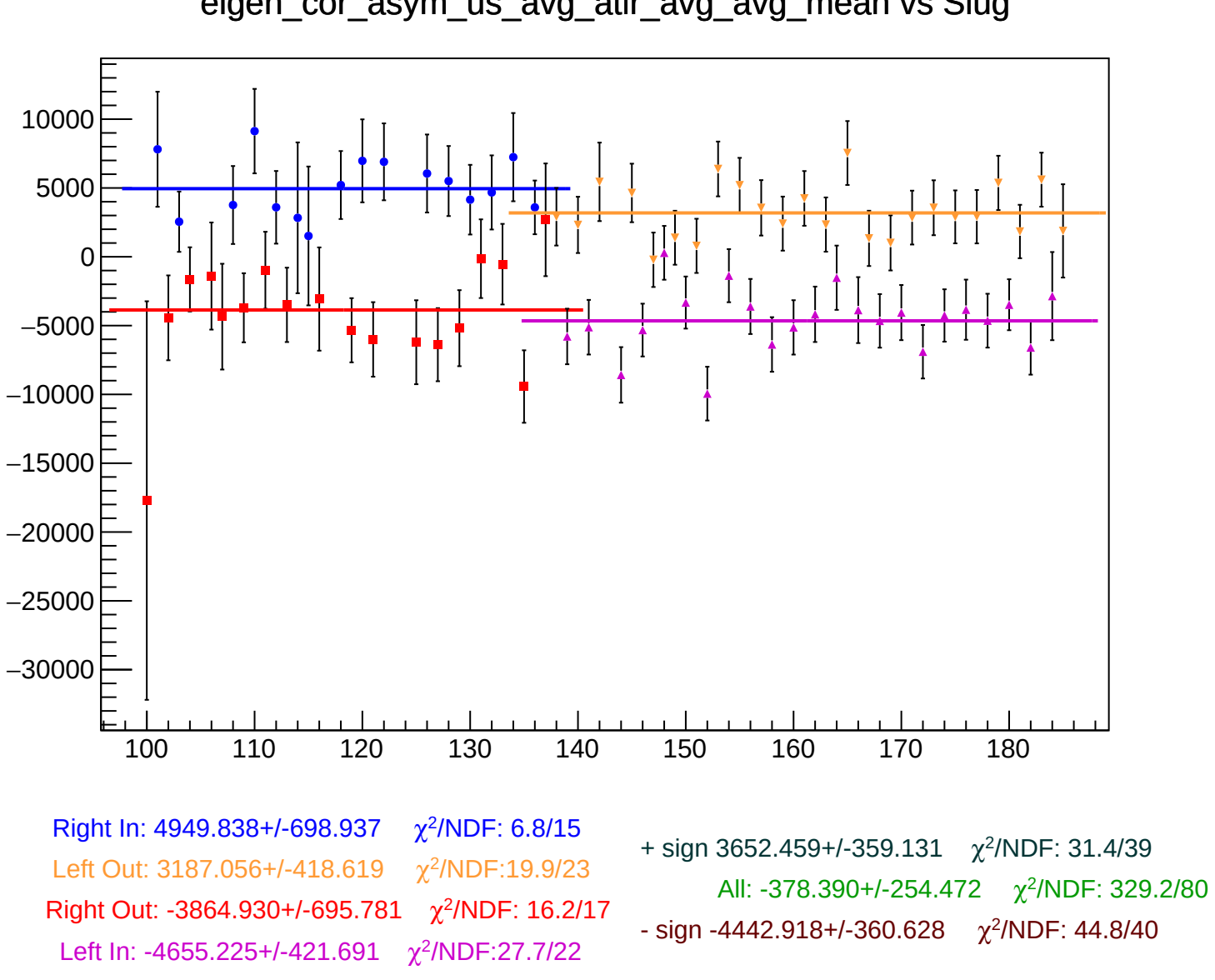
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

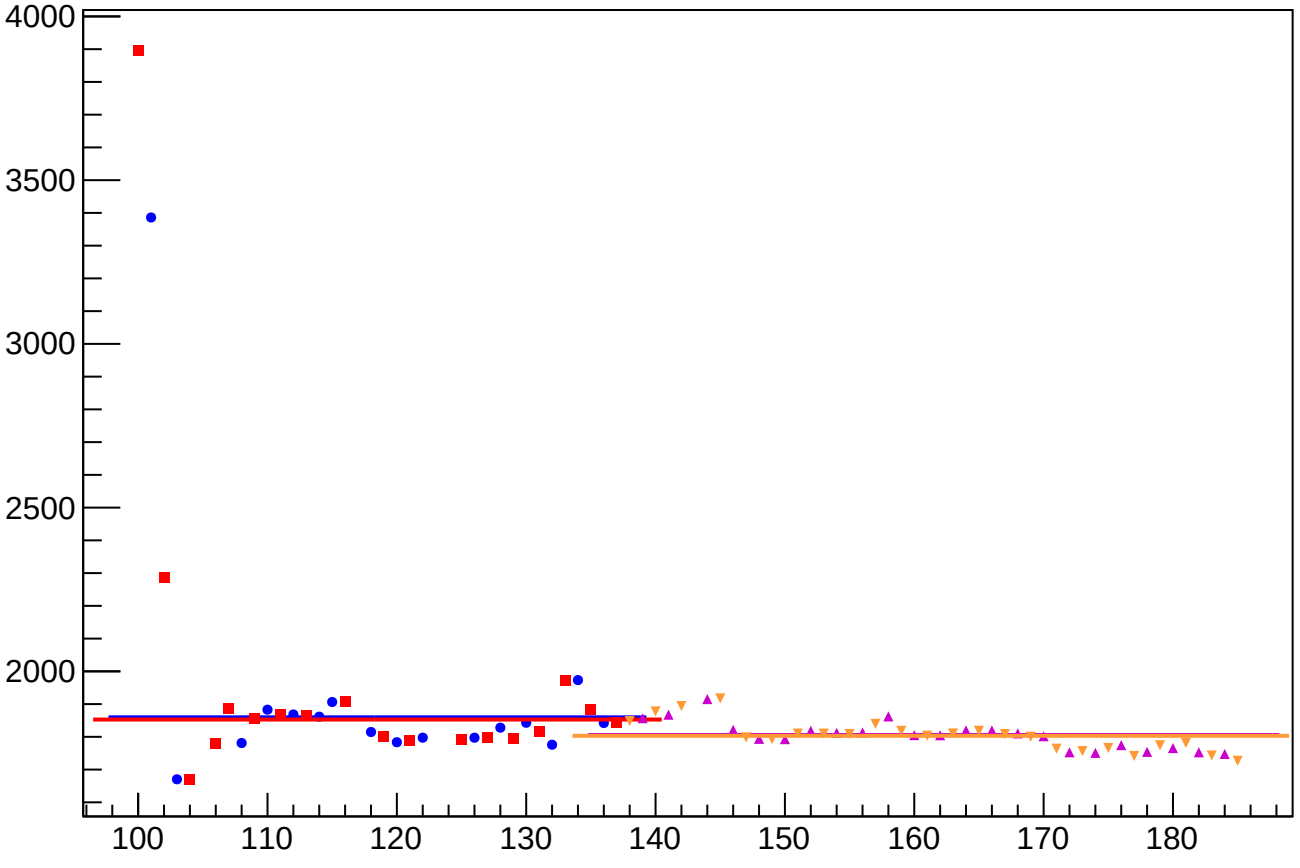
+ sign 5509.292+/-0.800 χ^2/NDF: 3597421.4/39

All: 5435.937+/-0.561 χ^2/NDF: 7804410.8/80

- sign 5364.948+/-0.787 χ^2/NDF: 4190452.5/40


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: 4949.838+/-698.937 χ²/NDF: 6.8/15
Left Out: 3187.056+/-418.619 χ²/NDF:19.9/23
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4655.225+/-421.691 χ²/NDF:27.7/22
+ sign 3652.459+/-359.131 χ²/NDF: 31.4/39
All: -378.390+/-254.472 χ²/NDF: 329.2/80
- sign -4442.918+/-360.628 χ²/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: 1803.115+/-0.296 χ^2/NDF:20641.1/23

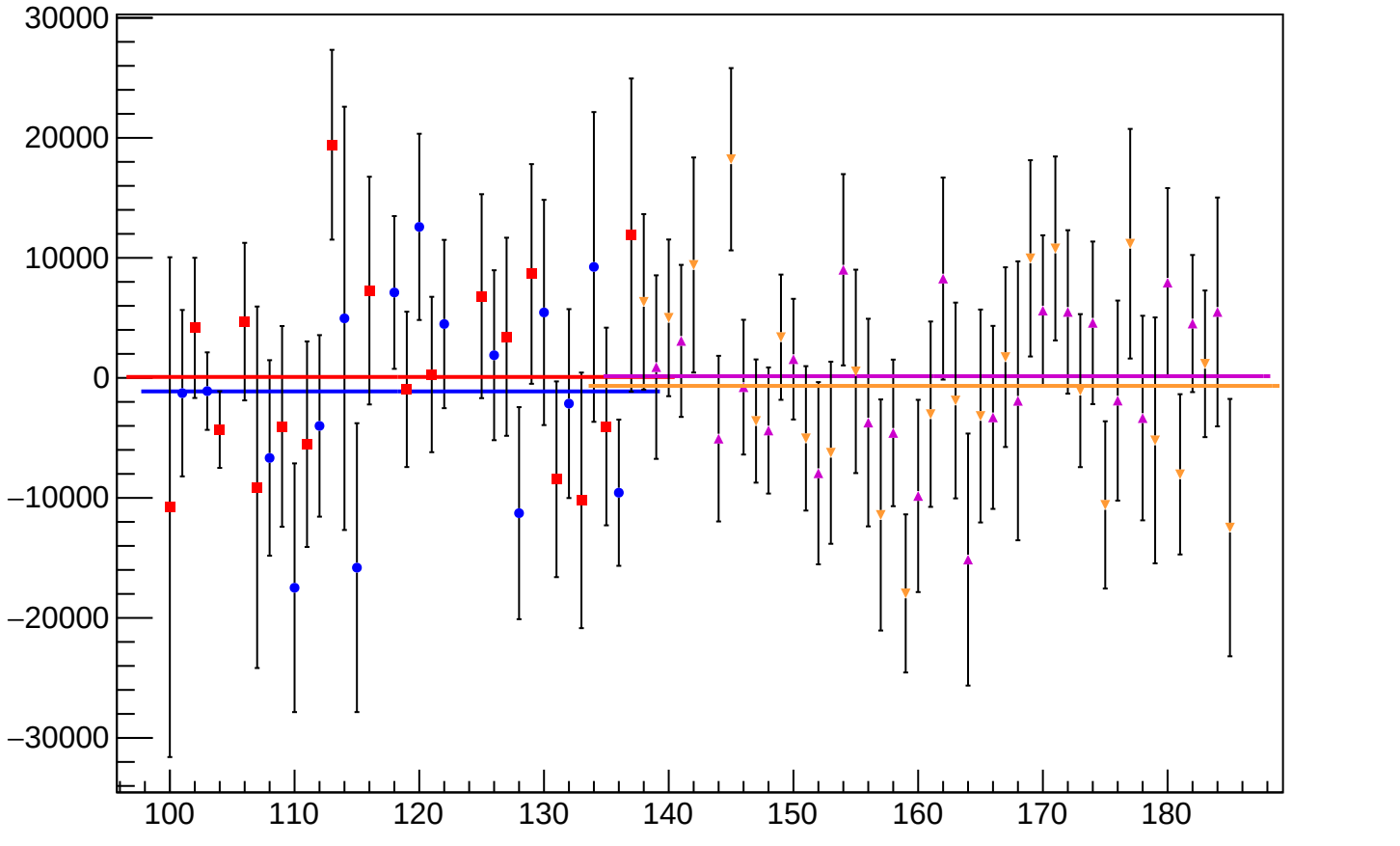
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.004+/-0.254 χ^2/NDF: 322560.5/39

All: 1818.147+/-0.180 χ^2/NDF: 450387.8/80

- 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: -667.245+/-1478.798 χ^2/NDF:29.8/23

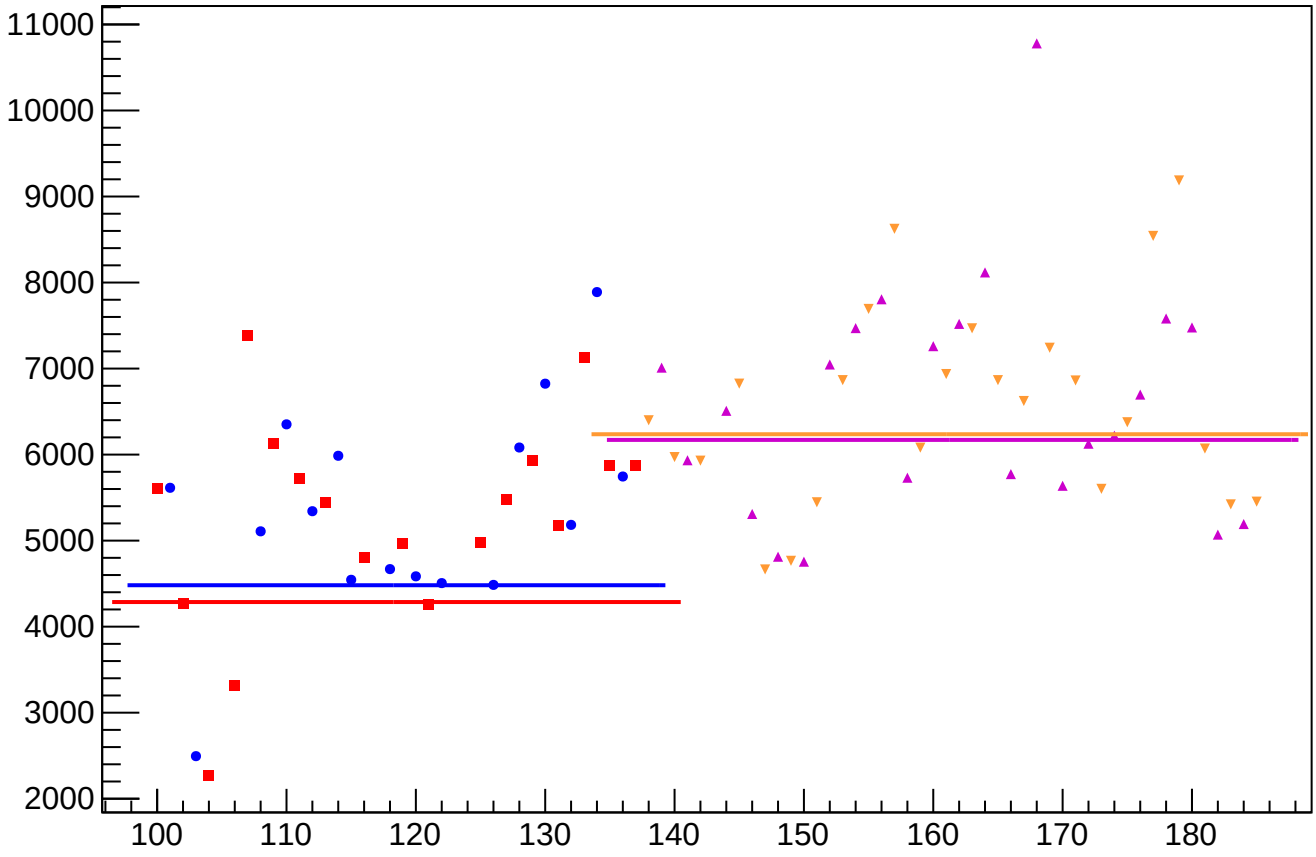
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -857.179+/-1131.631 χ^2/NDF: 44.5/39

All: -362.845+/-793.594 χ^2/NDF: 74.0/80

- 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: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

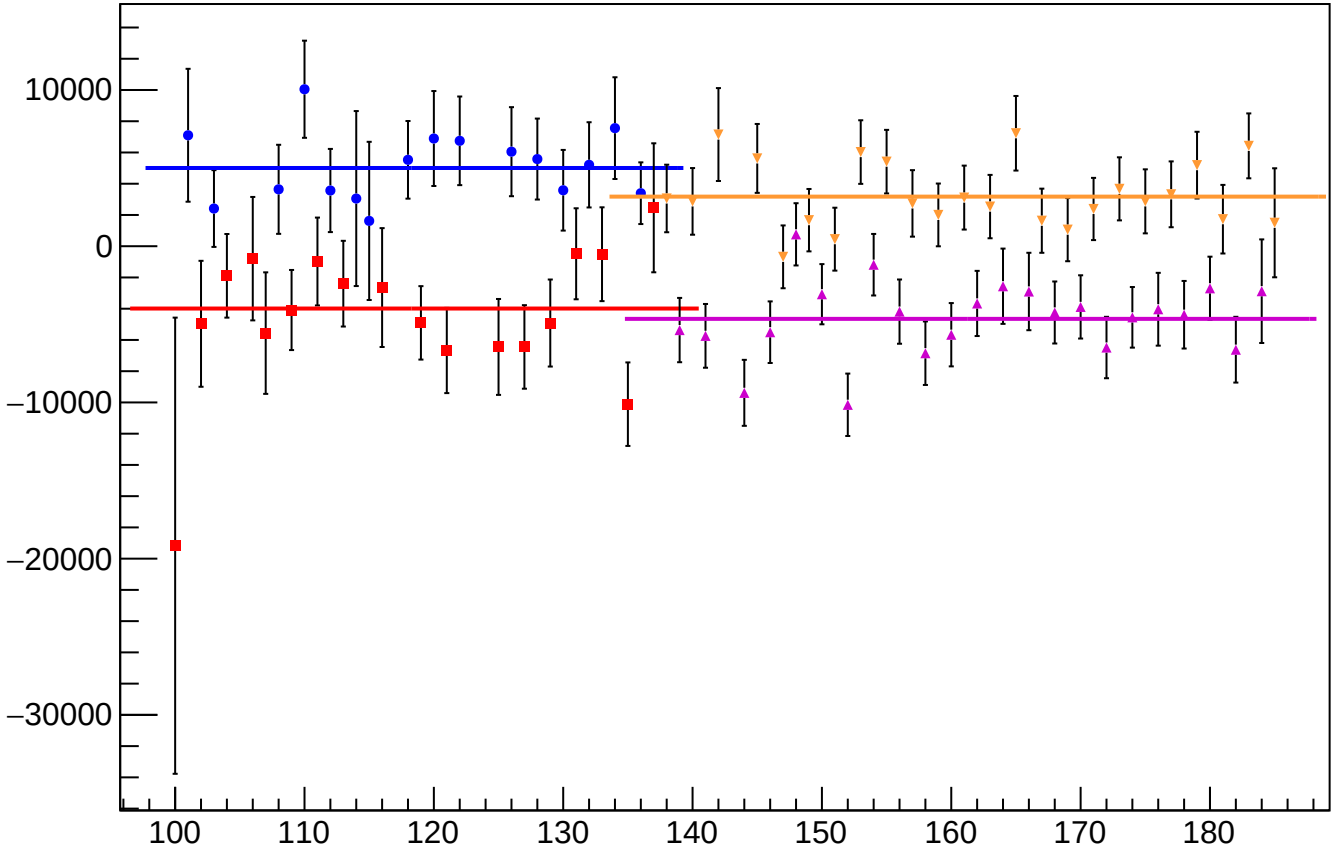
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5509.292+/-0.800 χ^2/NDF: 3597421.4/39

All: 5435.937+/-0.561 χ^2/NDF: 7804410.8/80

- 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: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

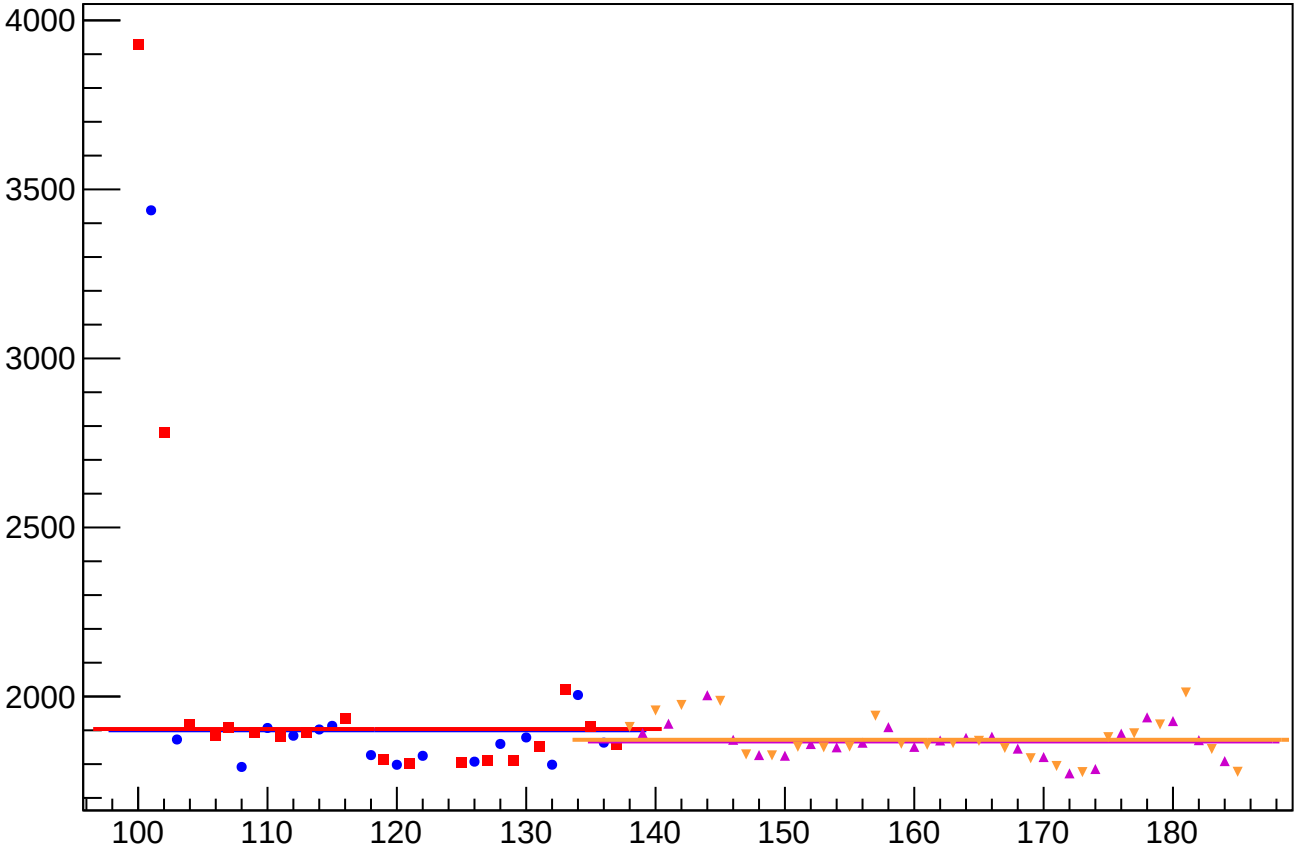
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3670.310+/-371.379 χ^2/NDF: 34.0/39

All: -384.081+/-263.154 χ^2/NDF: 321.9/80

- 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: 1871.979+/-0.307 χ^2/NDF:37154.8/23

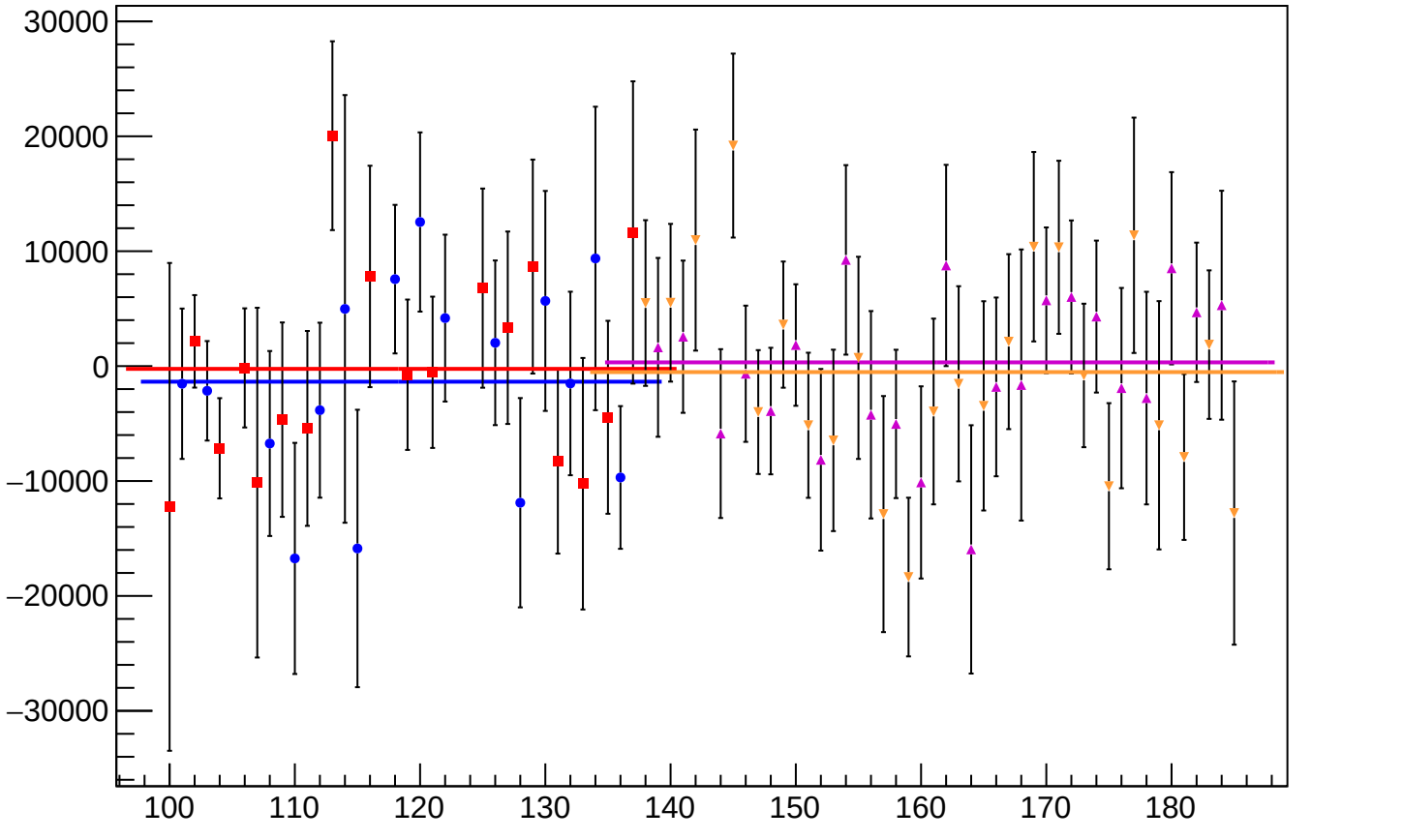
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1879.589+/-0.263 χ^2/NDF: 317867.6/39

All: 1878.290+/-0.186 χ^2/NDF: 499104.0/80

- 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: -520.262+/-1536.784 χ^2/NDF:29.2/23

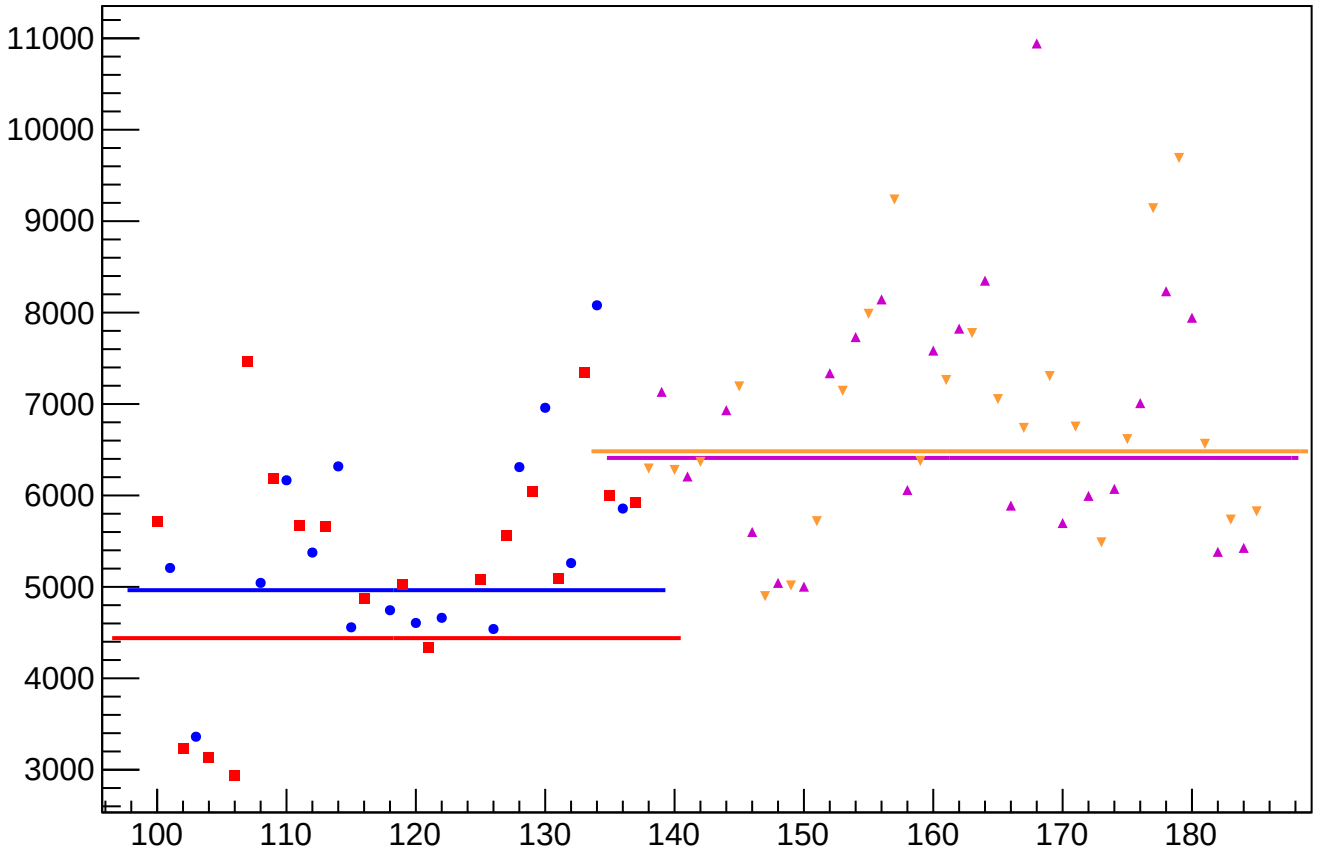
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

\+ sign -851.870+/-1193.862 χ^2/NDF: 44.0/39

All: -367.718+/-824.554 χ^2/NDF: 73.5/80

\- 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: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

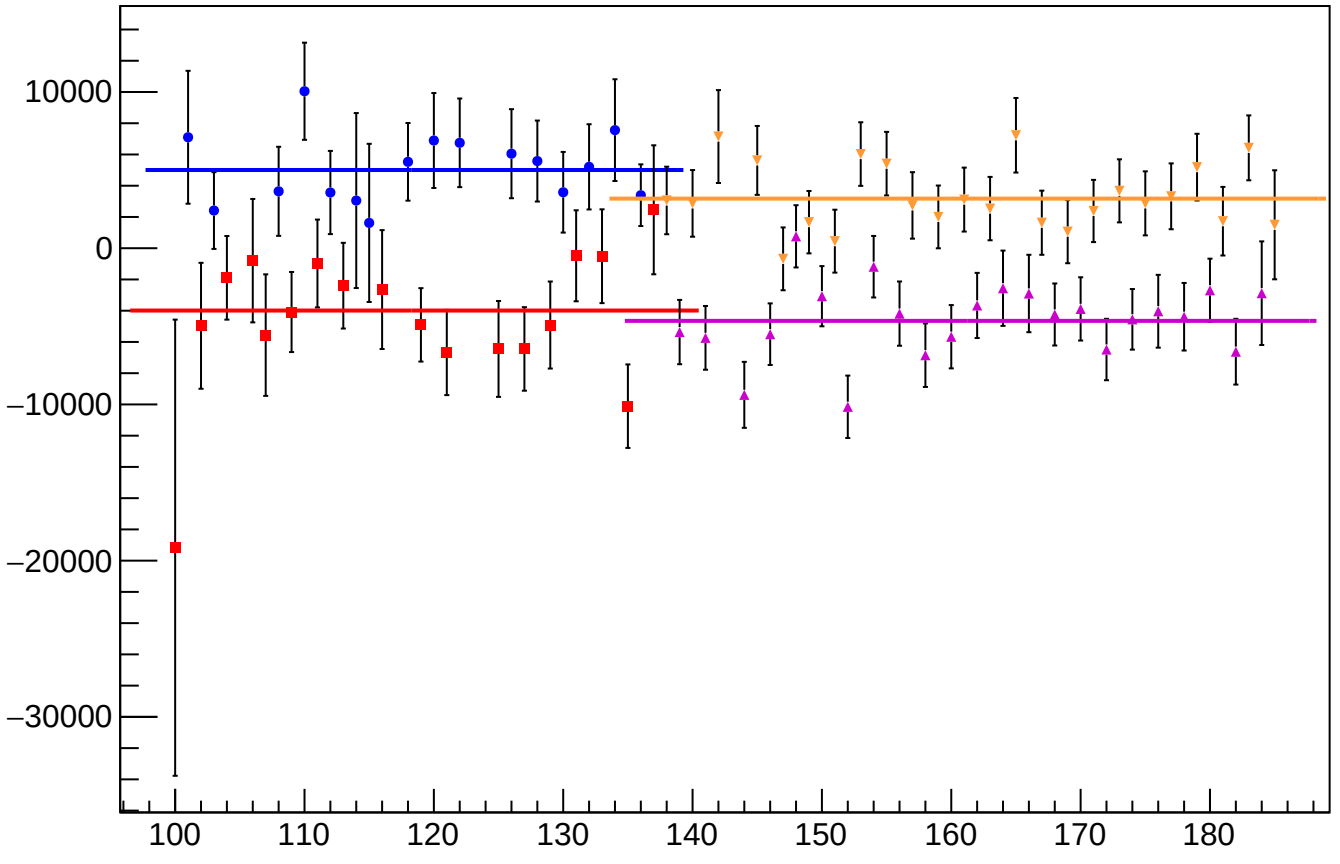
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5880.563+/-0.844 χ^2/NDF: 2476427.4/39

All: 5700.882+/-0.583 χ^2/NDF: 6415878.5/80

- 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: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

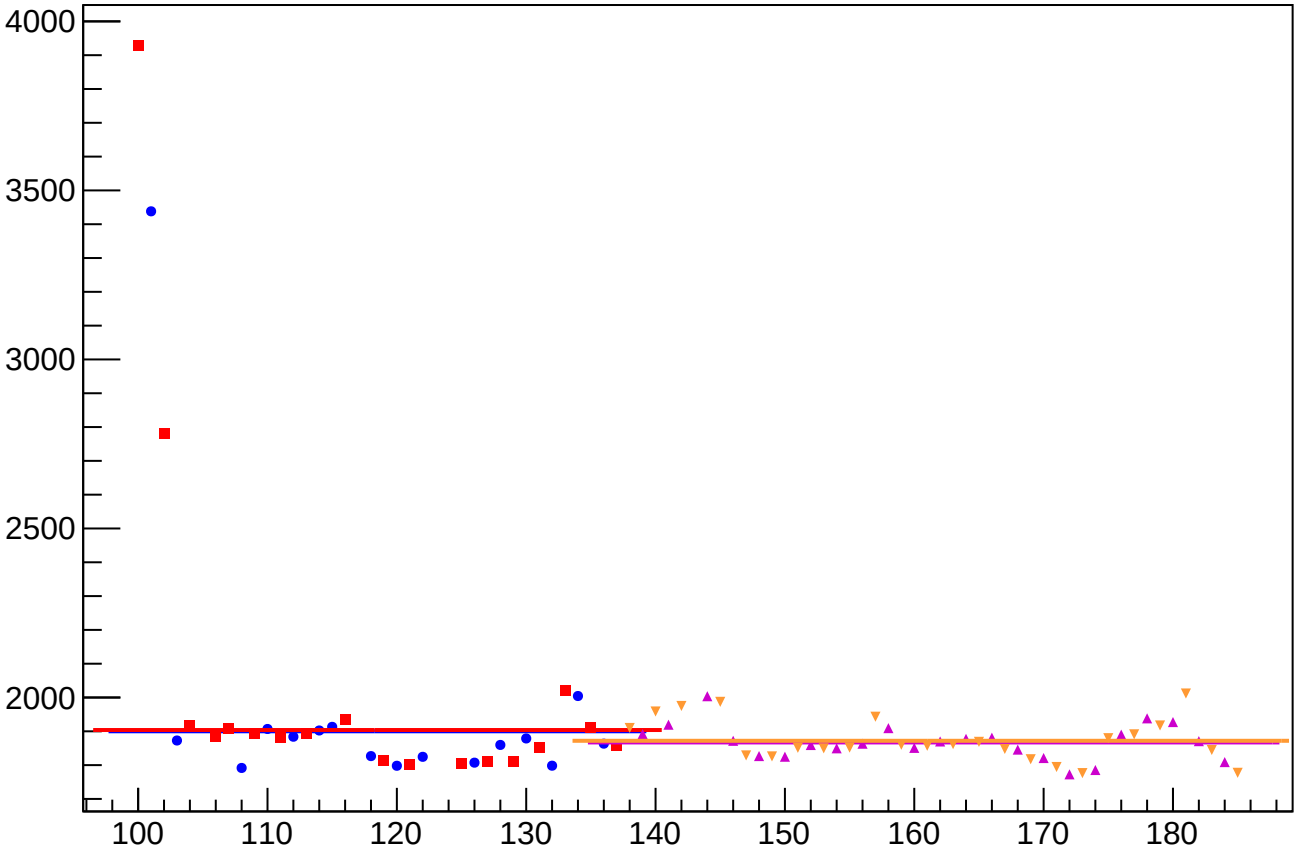
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3670.305+/-371.380 χ^2/NDF: 34.0/39

All: -384.083+/-263.154 χ^2/NDF: 321.9/80

- 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: 1871.981+/-0.307 χ^2/NDF:37155.9/23

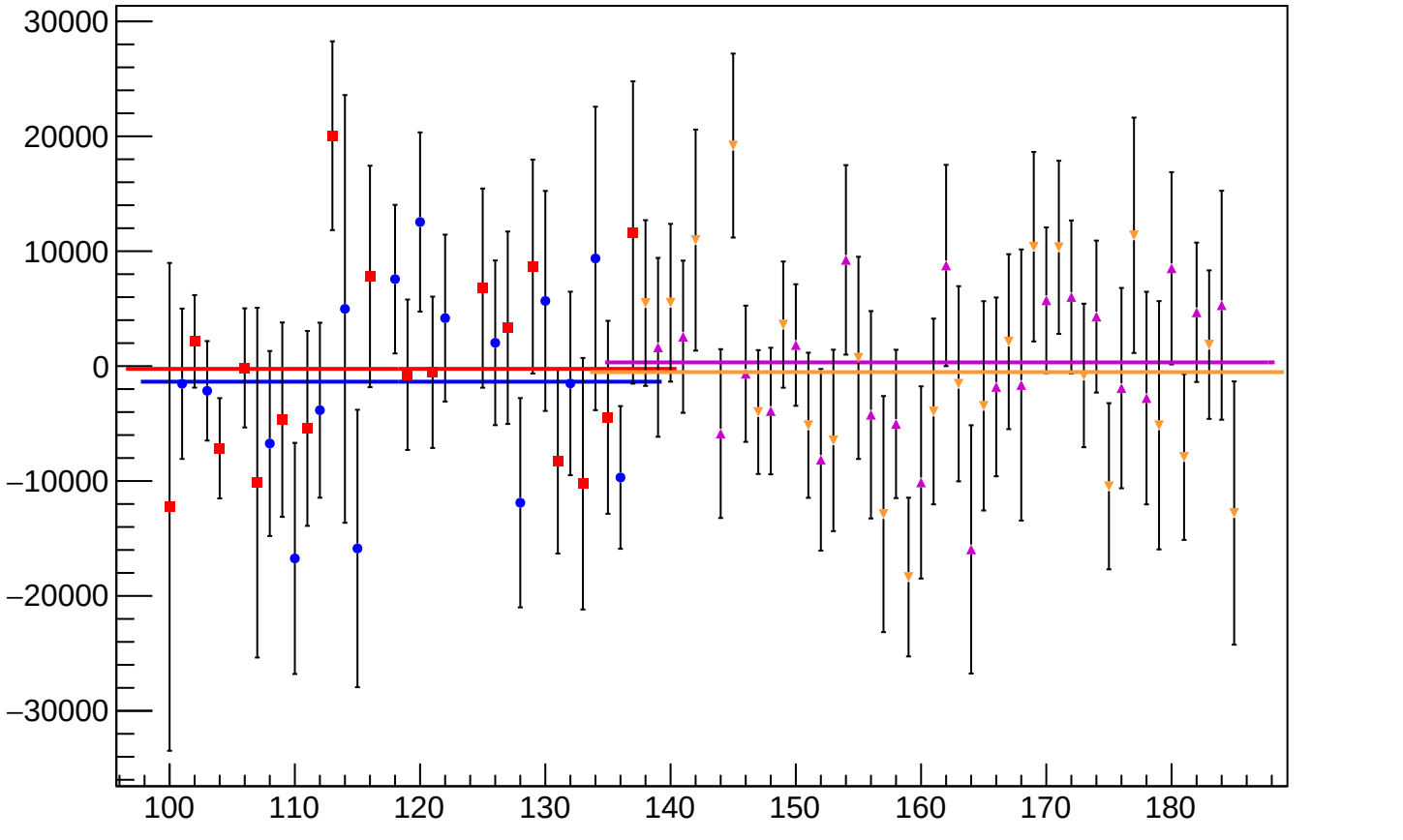
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1879.590+/-0.263 χ^2/NDF: 317868.6/39

All: 1878.291+/-0.186 χ^2/NDF: 499105.0/80

- sign 1876.981+/-0.264 χ^2/NDF: 181187.3/40



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

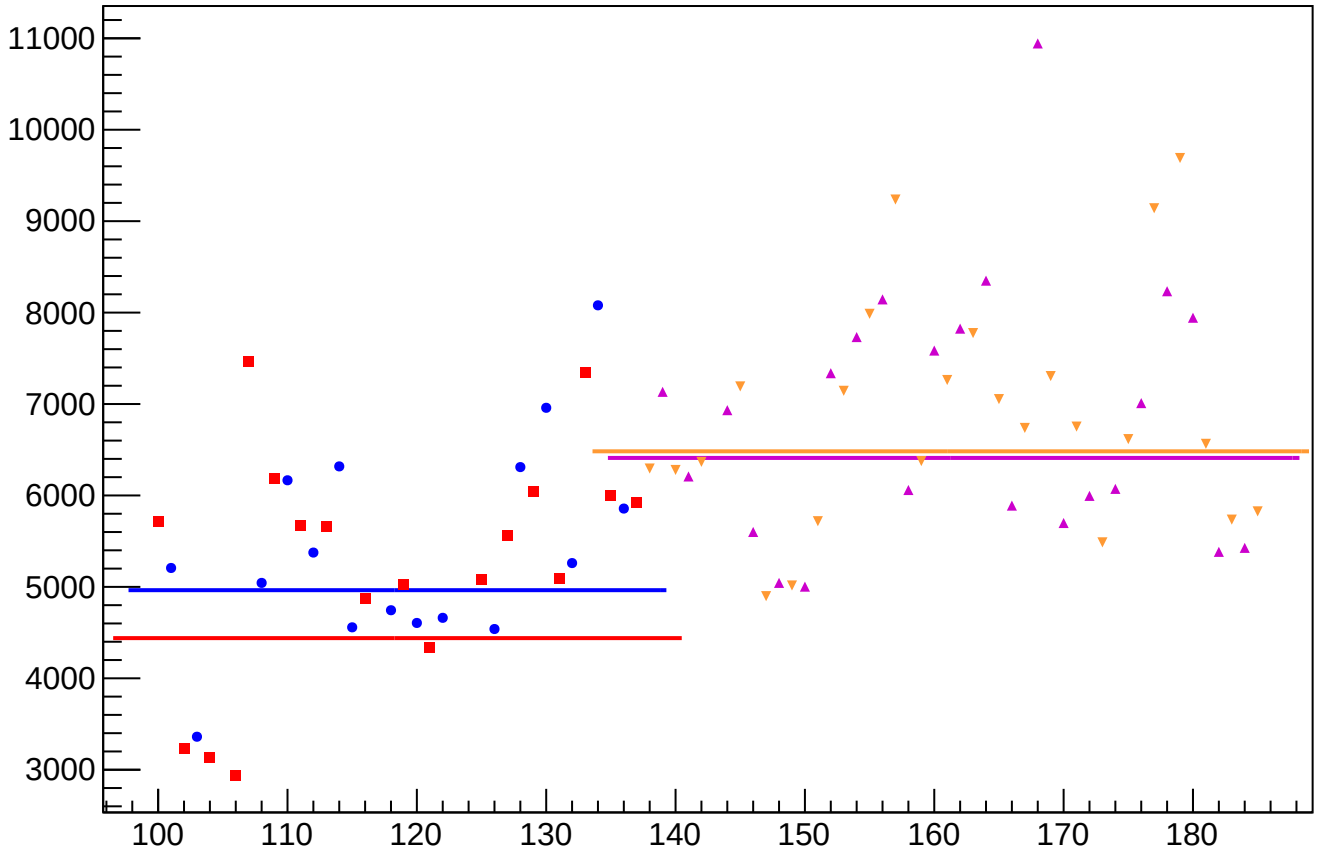
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -851.872+/-1193.862 χ^2/NDF: 44.0/39

All: -367.719+/-824.554 χ^2/NDF: 73.5/80

- 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: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

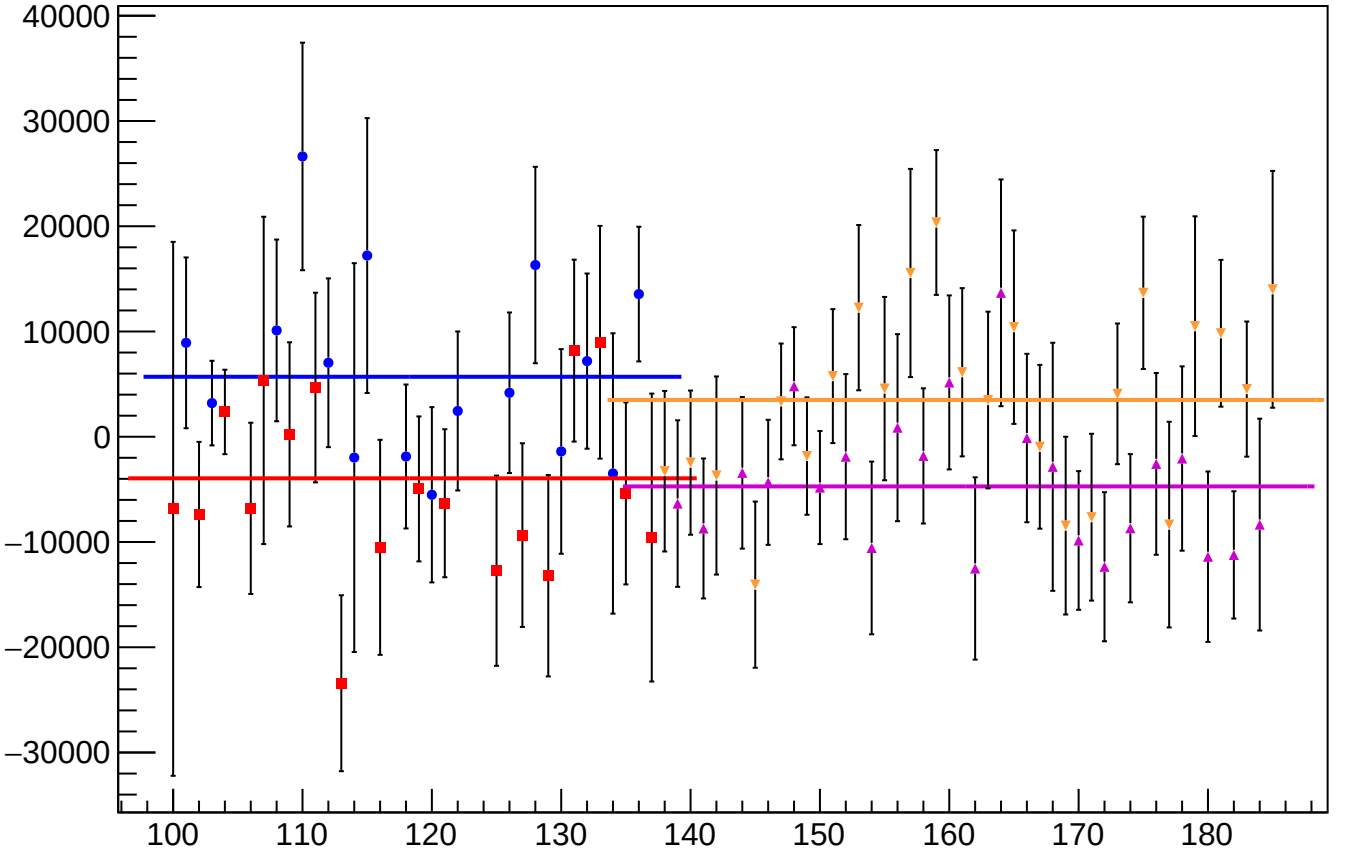
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5880.561+/-0.844 χ^2/NDF: 2476457.8/39

All: 5700.879+/-0.583 χ^2/NDF: 6415946.7/80

- 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: 3497.162+/-1545.839 χ^2/NDF:27.5/23

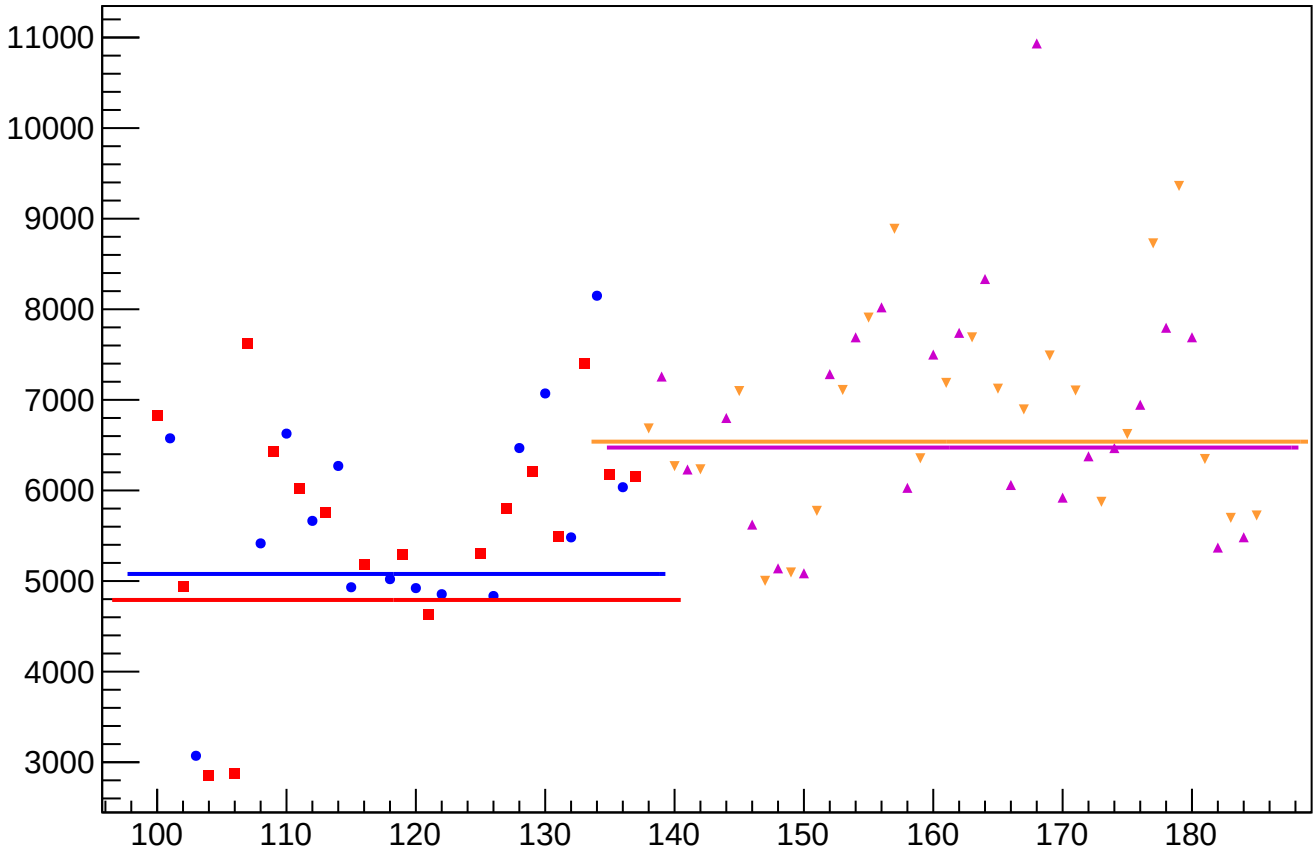
Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4341.282+/-1213.576 χ^2/NDF: 40.9/39

All: -83.907+/-853.671 χ^2/NDF: 97.7/80

- sign -4418.346+/-1201.068 χ^2/NDF: 30.5/40



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

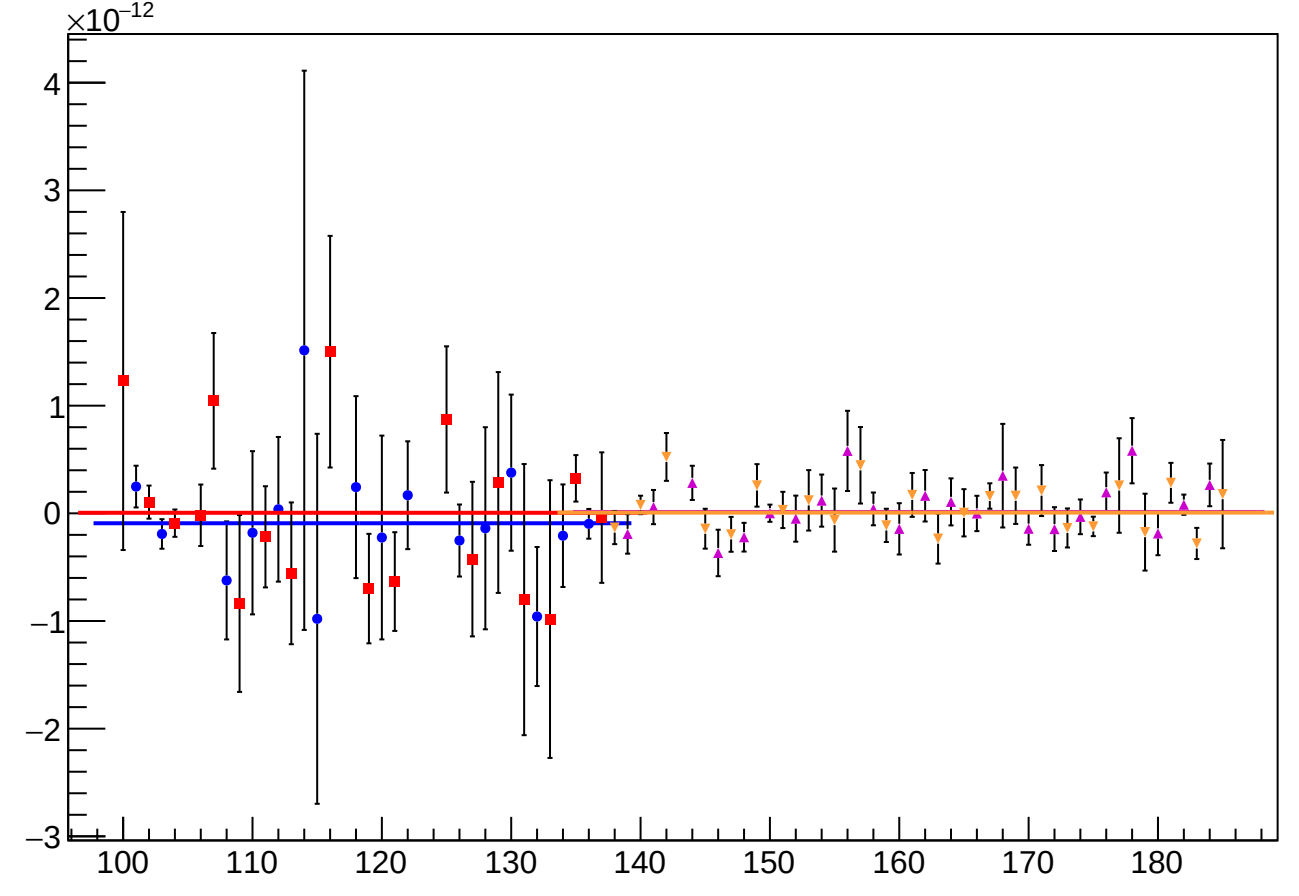
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 5978.310+/-0.858 χ^2/NDF: 2524857.3/39

All: 5887.096+/-0.601 χ^2/NDF: 5738933.4/80

- 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:27.2/23

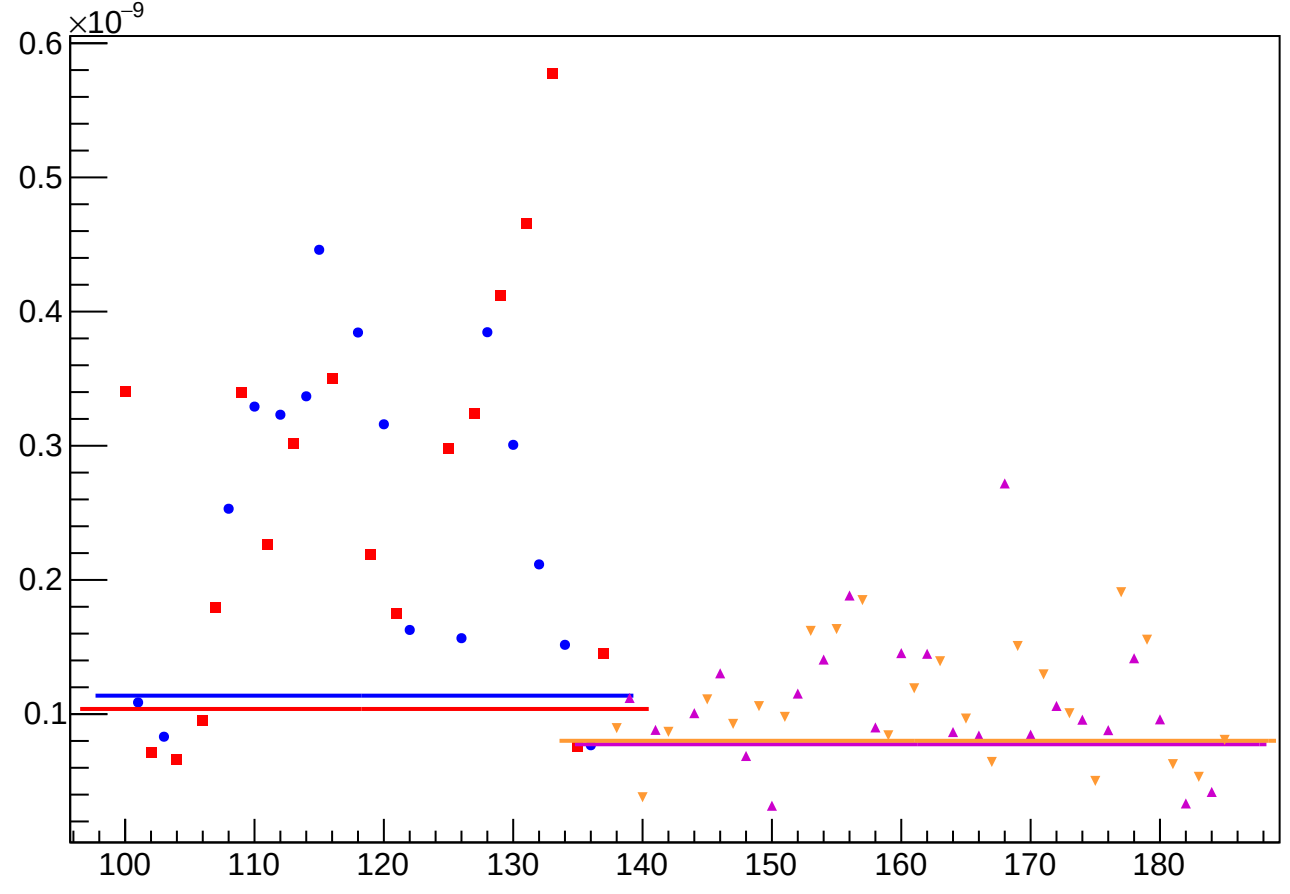
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/39

All: 0.000+/-0.000 χ^2/NDF: 78.3/80

- 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:2153227.2/23

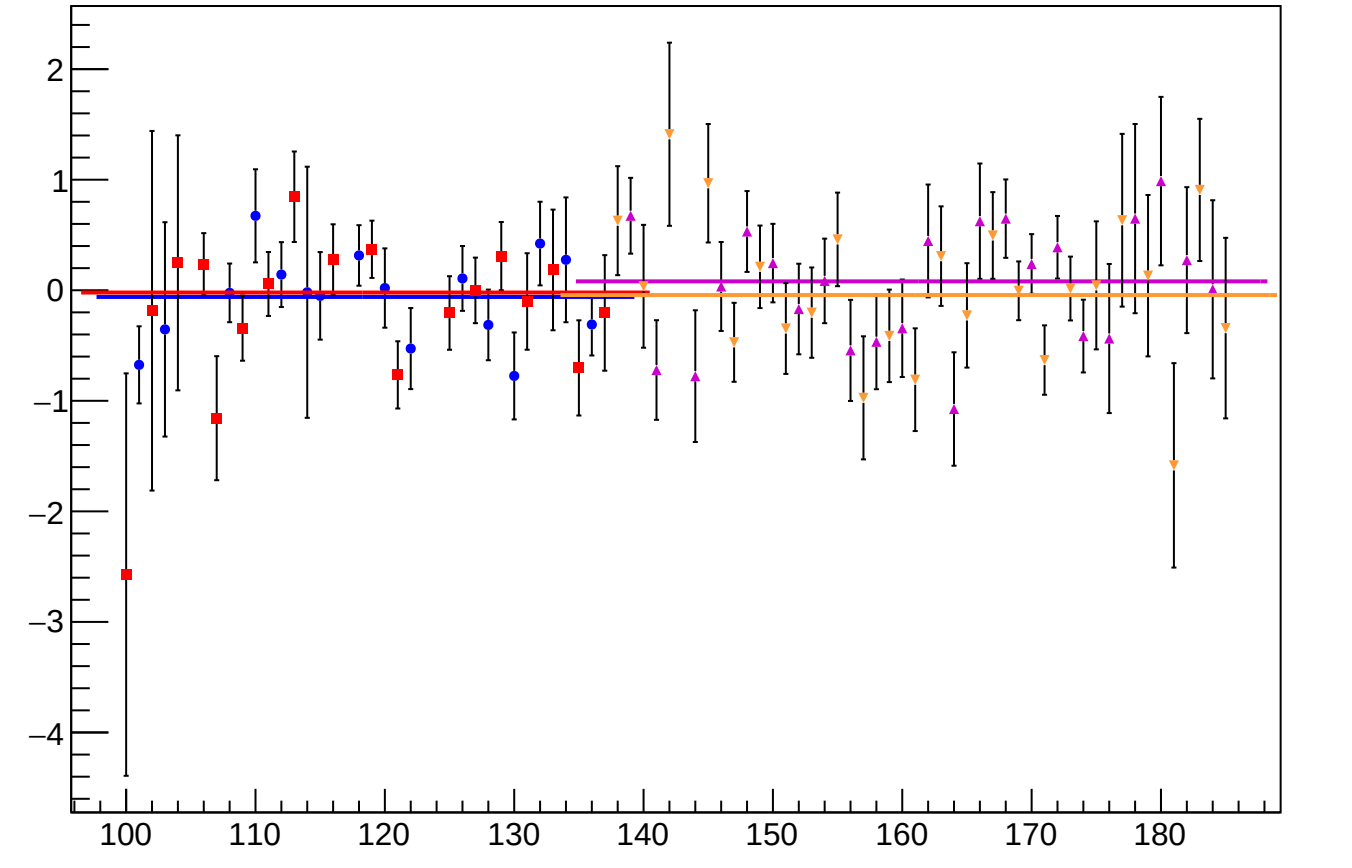
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3988614.9/39

All: 0.000+/-0.000 χ^2/NDF: 8927400.0/80

- 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: -0.043+/-0.090 χ^2/NDF:31.0/23

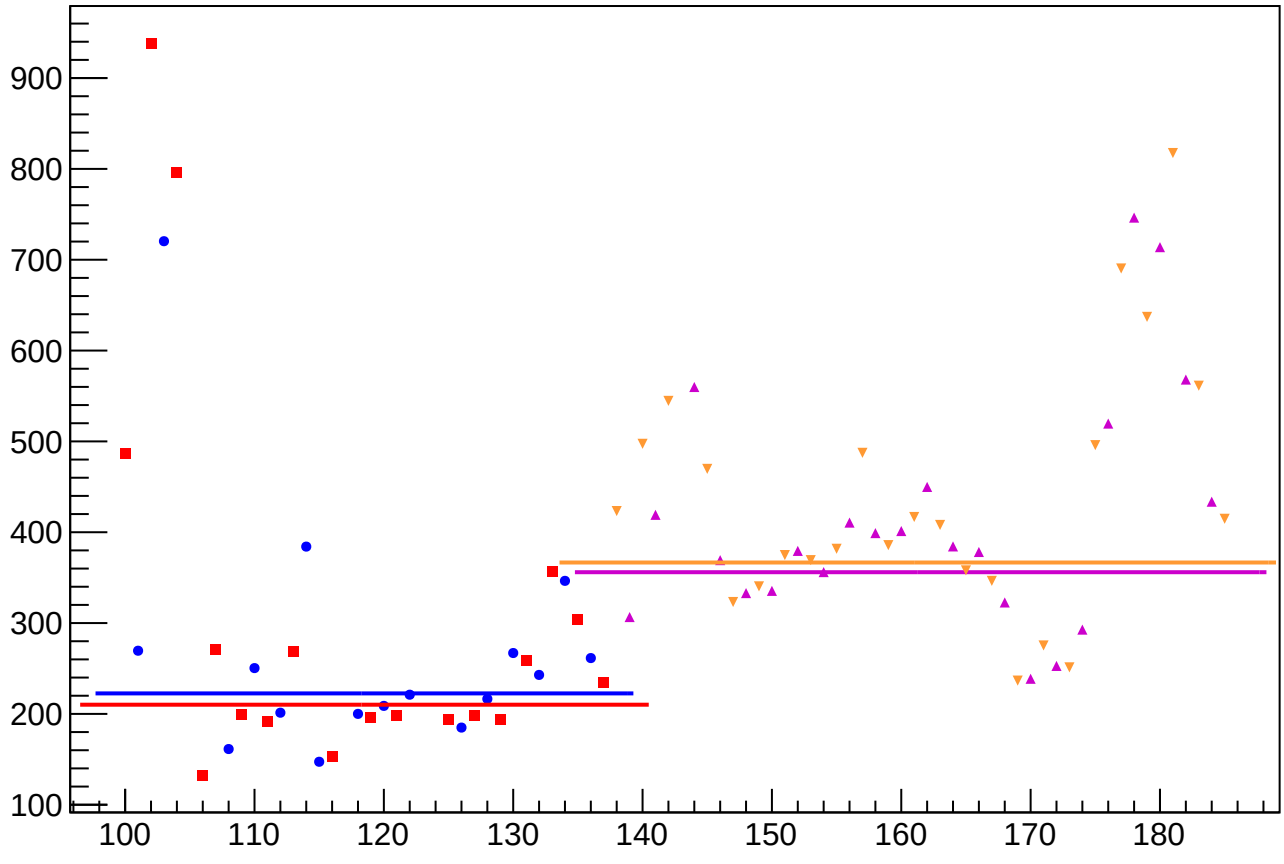
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.052+/-0.063 χ^2/NDF: 48.3/39

All: -0.010+/-0.044 χ^2/NDF: 106.3/80

- 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: 366.670+/-0.064 χ^2/NDF:2841071.8/23

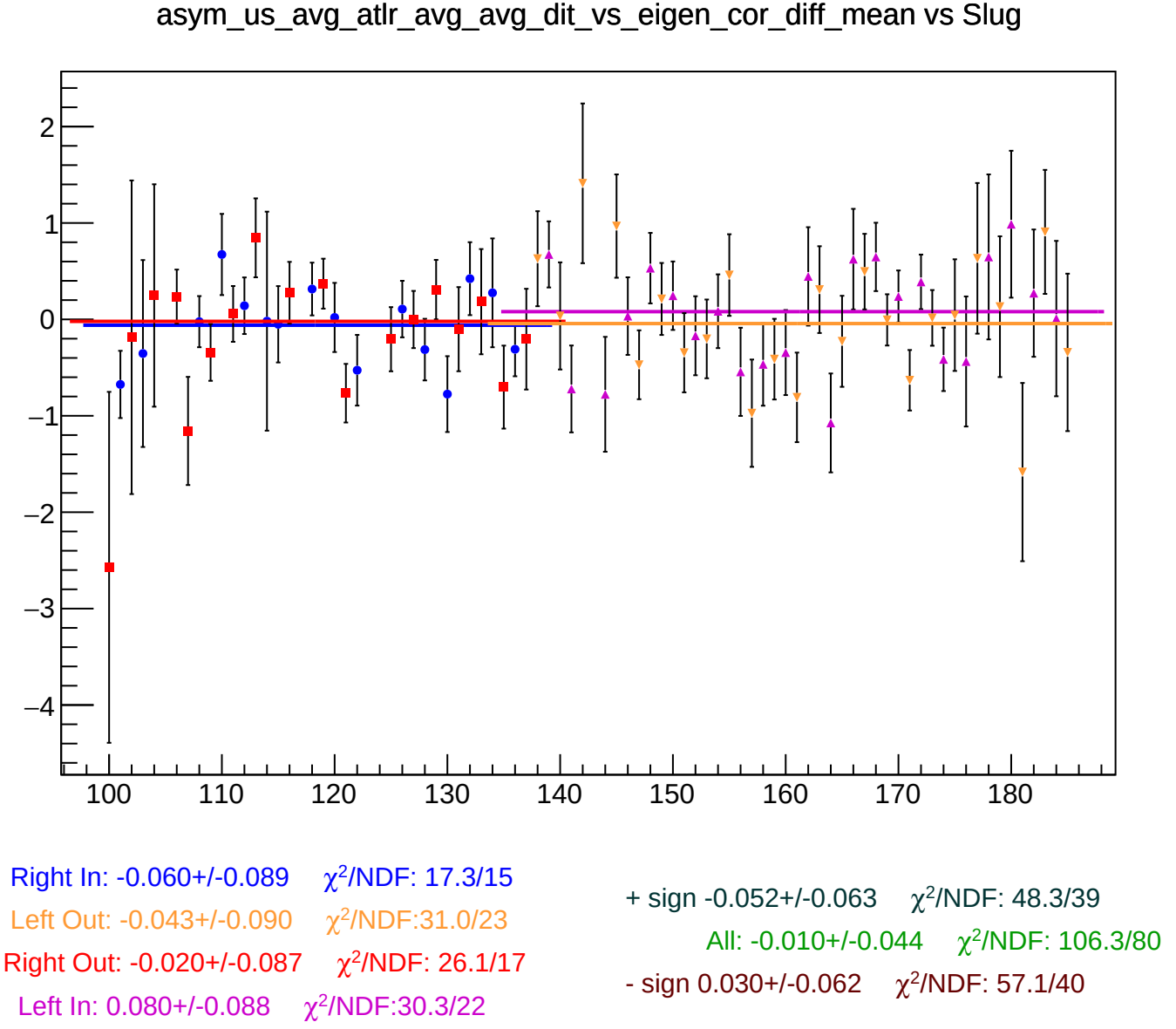
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.173+/-0.045 χ^2/NDF: 6448621.4/39

All: 287.860+/-0.031 χ^2/NDF: 13218279.7/80

- sign 282.776+/-0.044 χ^2/NDF: 6742101.6/40


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
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110
120
130
140
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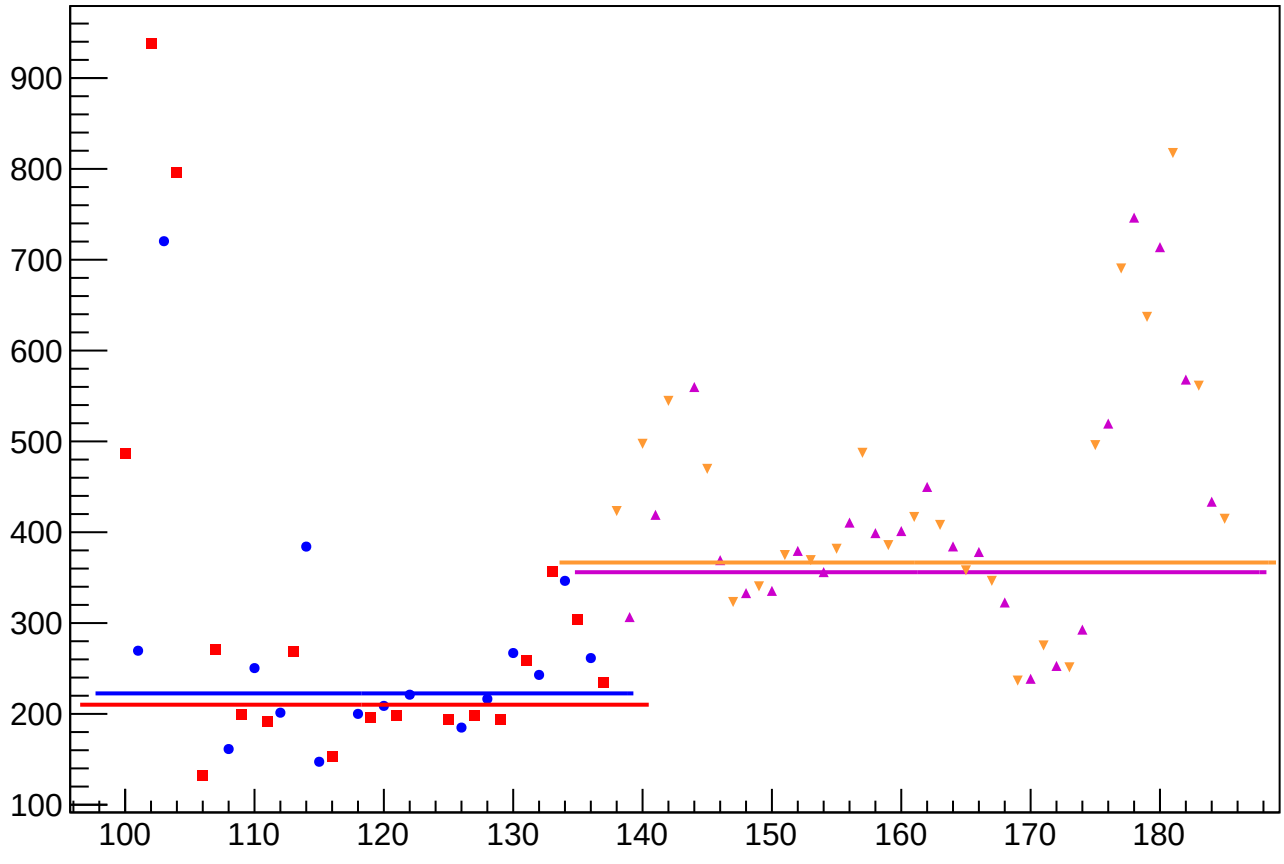
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.052+/-0.063 χ²/NDF: 48.3/39
All: -0.010+/-0.044 χ²/NDF: 106.3/80
- sign 0.030+/-0.062 χ²/NDF: 57.1/40



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

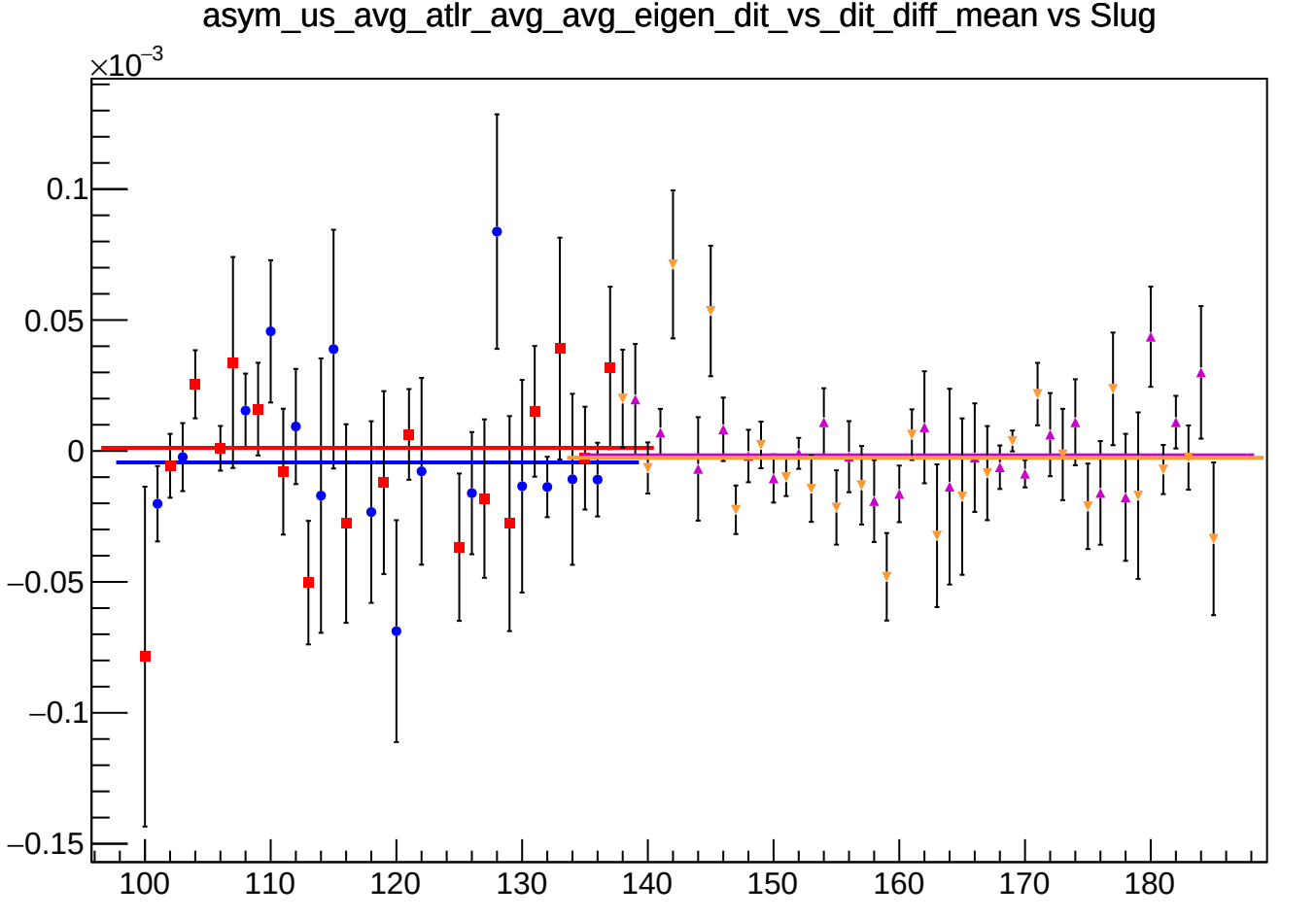
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.173+/-0.045 χ^2/NDF: 6448621.4/39

All: 287.860+/-0.031 χ^2/NDF: 13218279.7/80

- 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:43.5/23

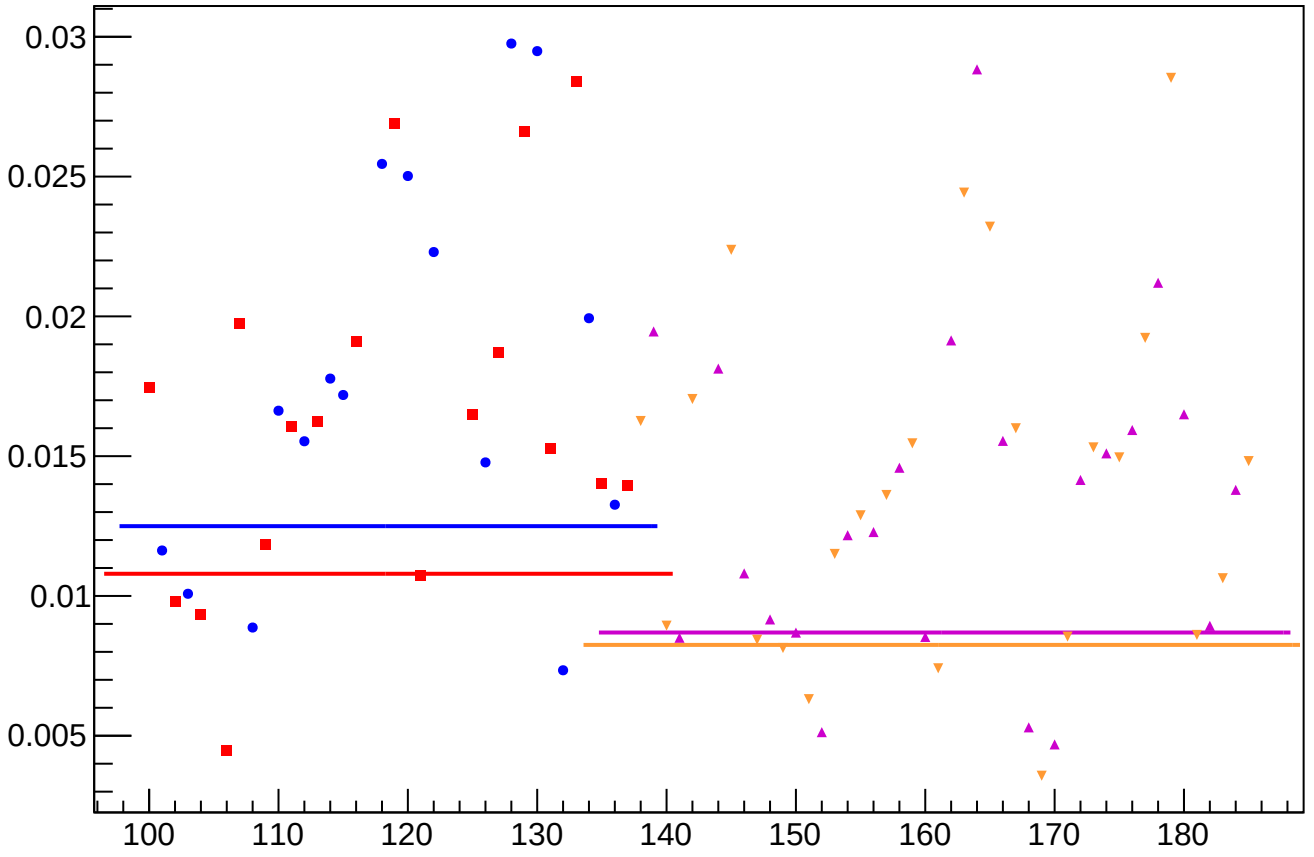
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.3/39

All: -0.000+/-0.000 χ^2/NDF: 97.9/80

- 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:8879581.2/23

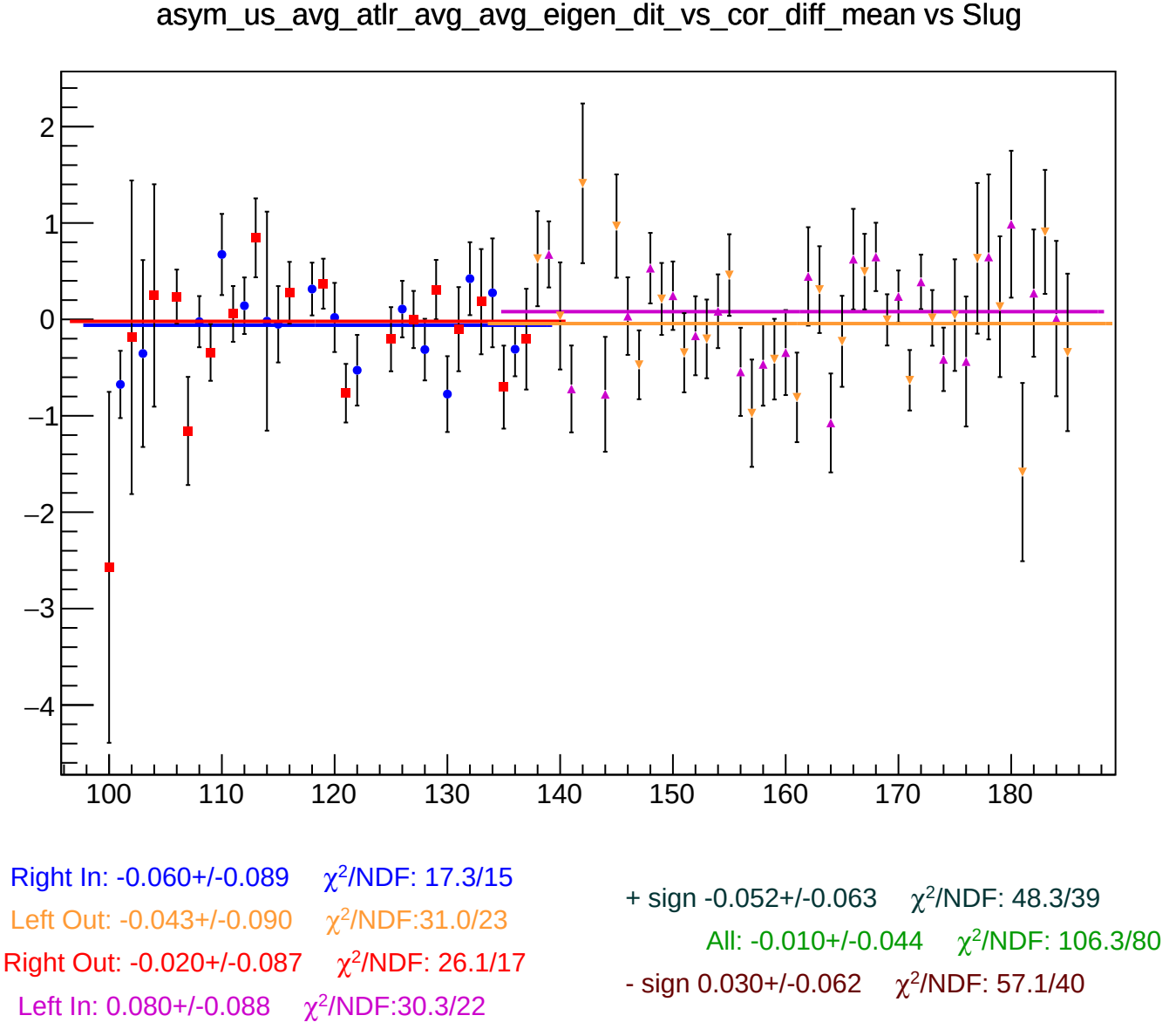
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 12158274.5/39

All: 0.009+/-0.000 χ^2/NDF: 22360740.0/80

- 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
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170
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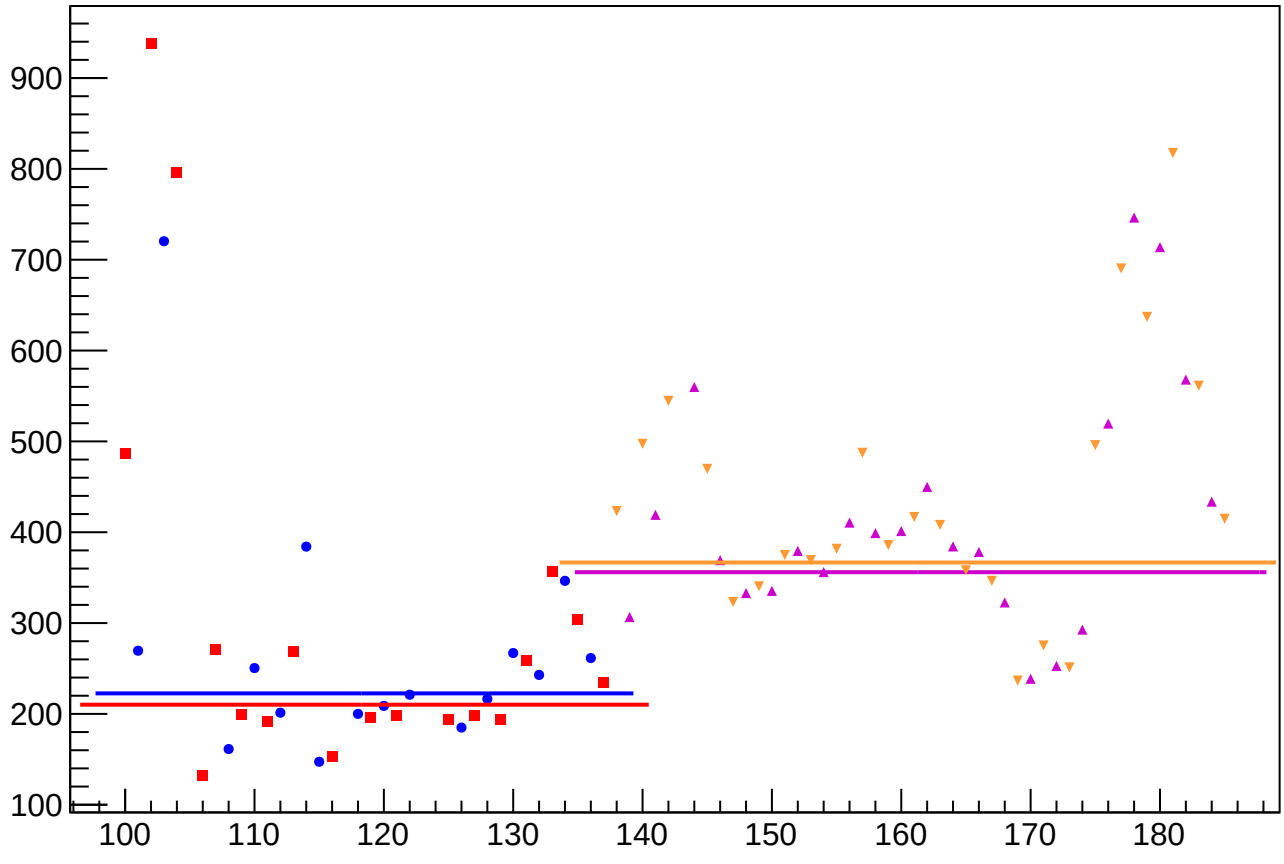
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.052+/-0.063 χ²/NDF: 48.3/39
All: -0.010+/-0.044 χ²/NDF: 106.3/80
- sign 0.030+/-0.062 χ²/NDF: 57.1/40



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

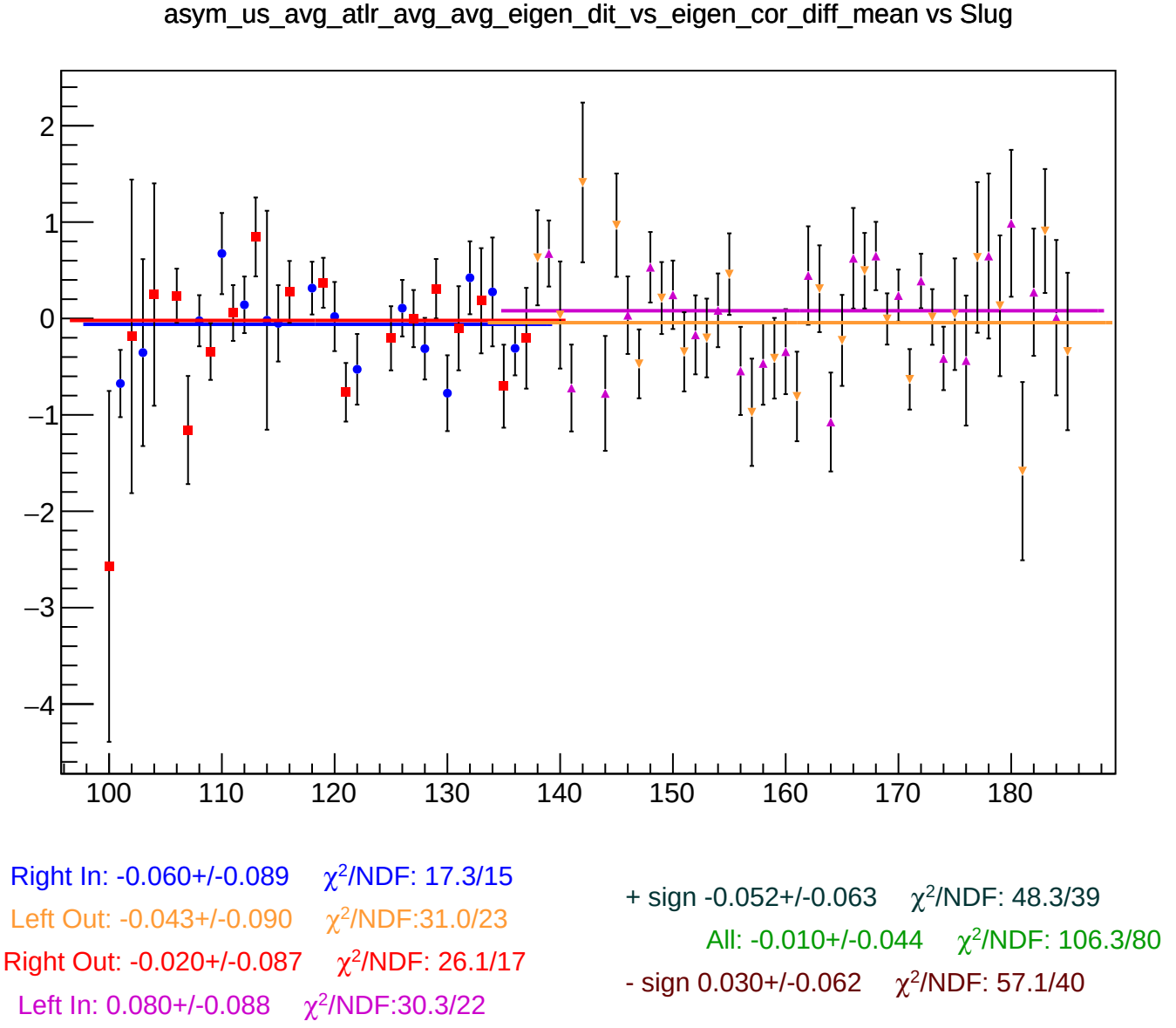
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 293.171+/-0.045 χ^2/NDF: 6448913.3/39

All: 287.858+/-0.031 χ^2/NDF: 13218889.3/80

- sign 282.774+/-0.044 χ^2/NDF: 6742417.2/40


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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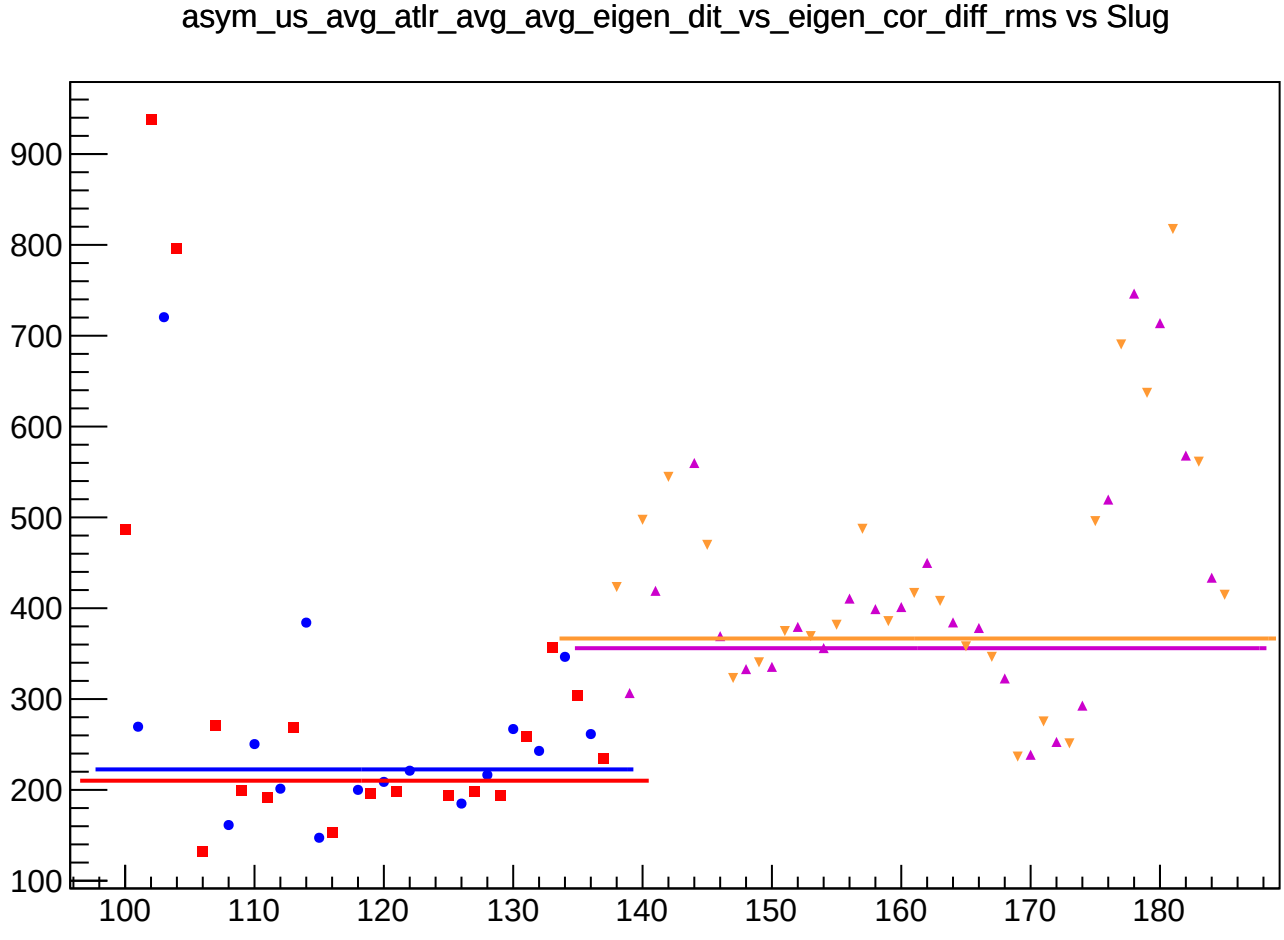
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.052+/-0.063 χ²/NDF: 48.3/39
All: -0.010+/-0.044 χ²/NDF: 106.3/80
- sign 0.030+/-0.062 χ²/NDF: 57.1/40



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

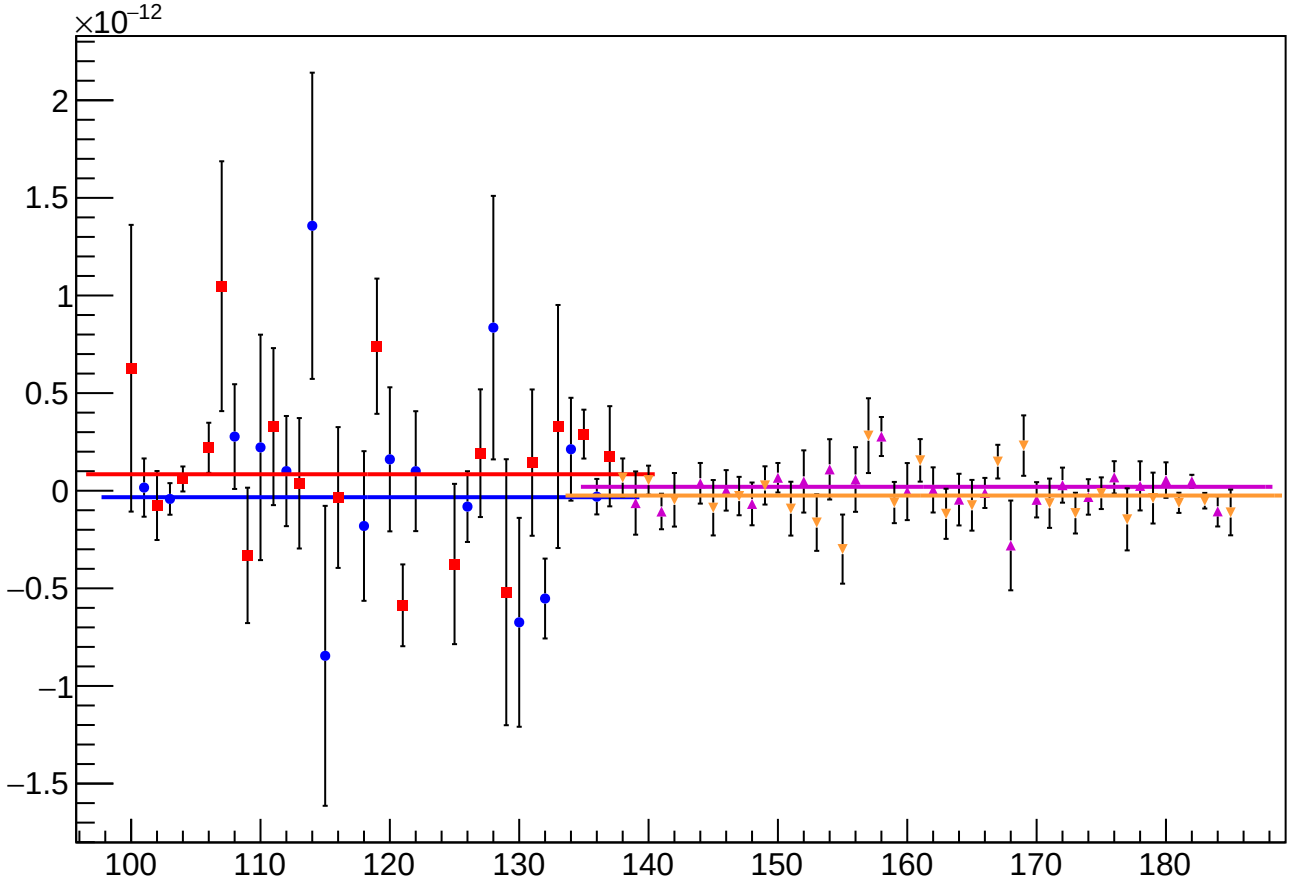
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 293.171+/-0.045 χ^2/NDF: 6448913.3/39

All: 287.858+/-0.031 χ^2/NDF: 13218889.3/80

- 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:21.9/23

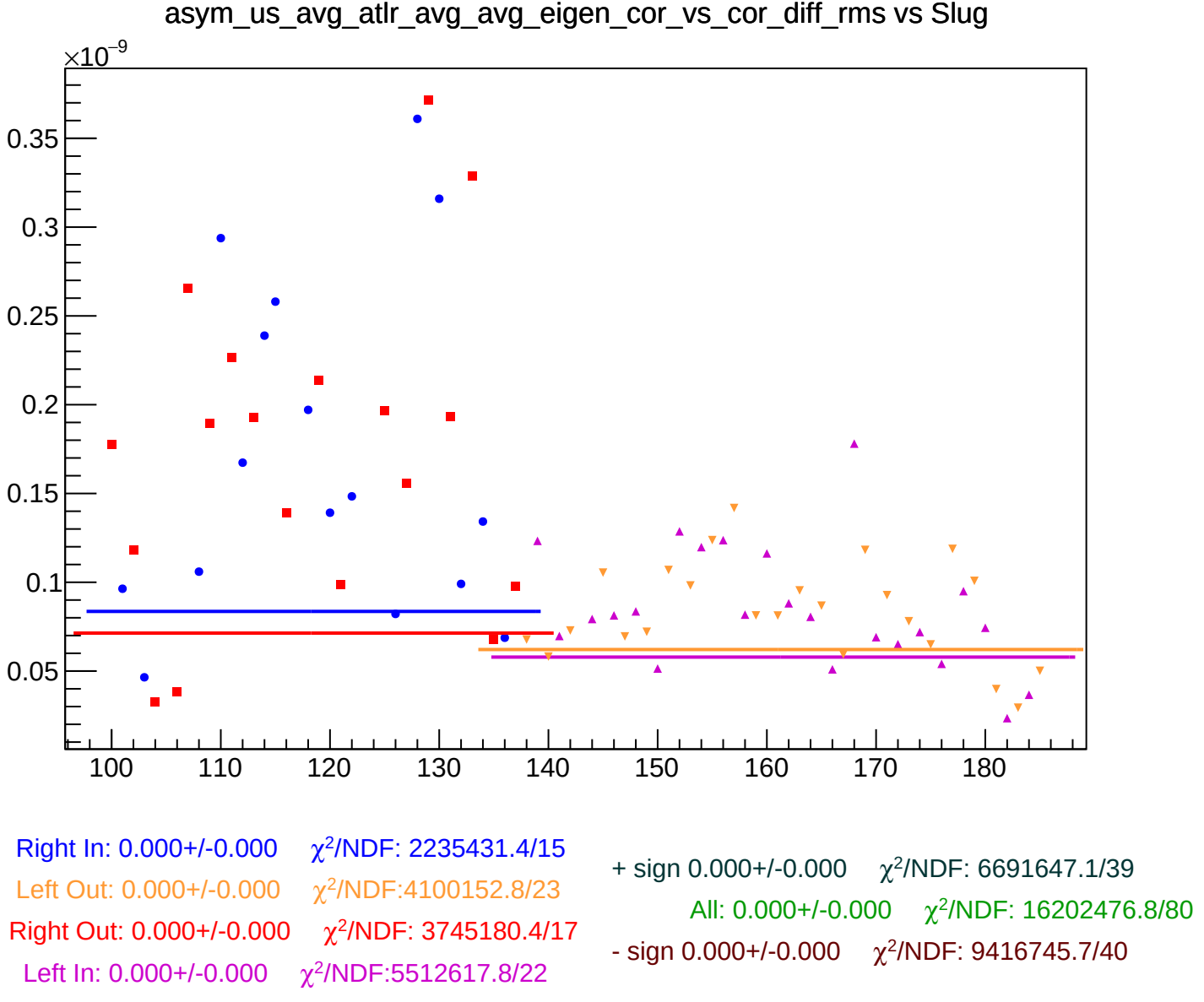
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

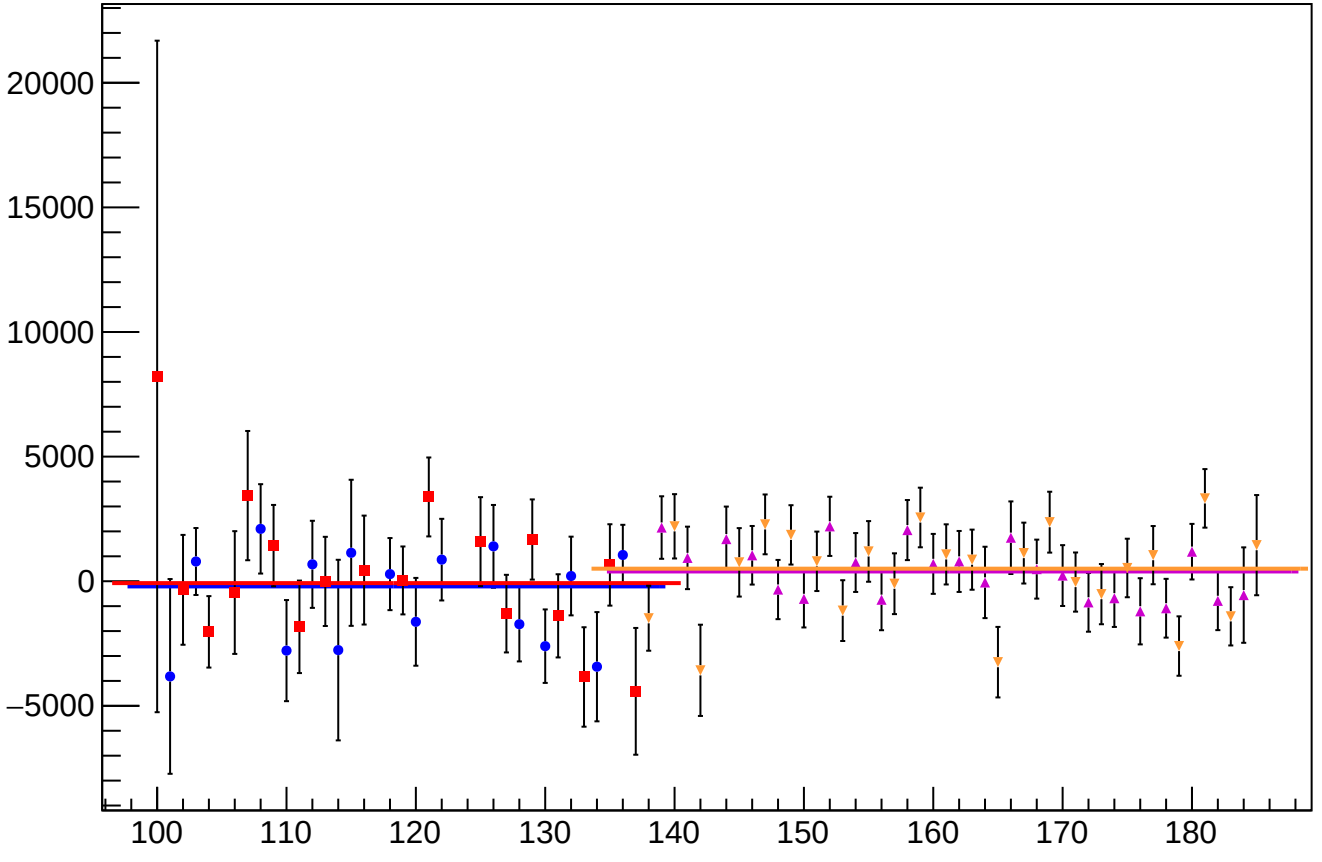
+ sign -0.000+/-0.000 χ^2/NDF: 39.1/39

All: 0.000+/-0.000 χ^2/NDF: 89.0/80

- 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:4100152.8/23
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: 6691647.1/39
All: 0.000+/-0.000 χ²/NDF: 16202476.8/80
- 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: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

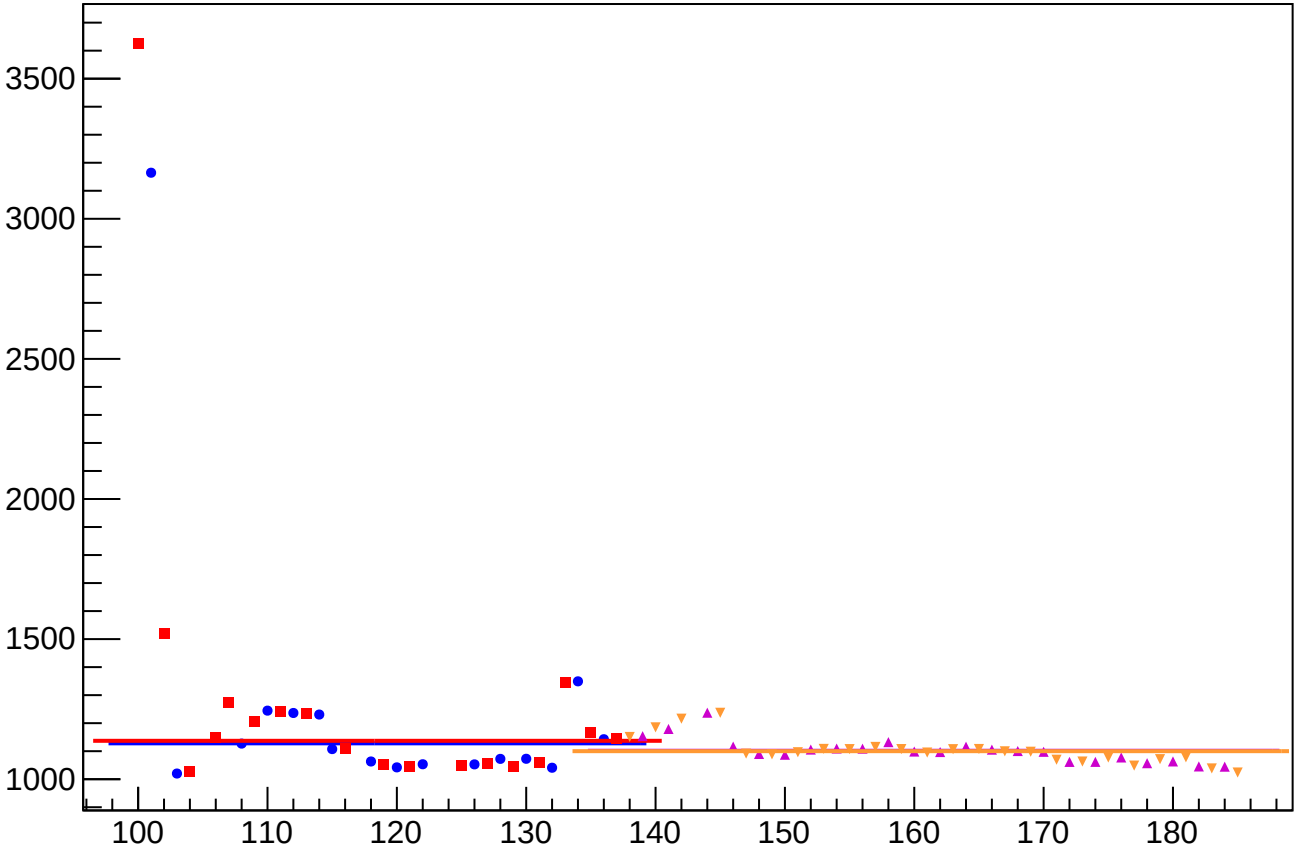
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 317.262+/-219.557 χ^2/NDF: 61.4/39

All: 293.161+/-155.740 χ^2/NDF: 100.7/80

- 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: 1100.063+/-0.181 χ^2/NDF:58733.9/23

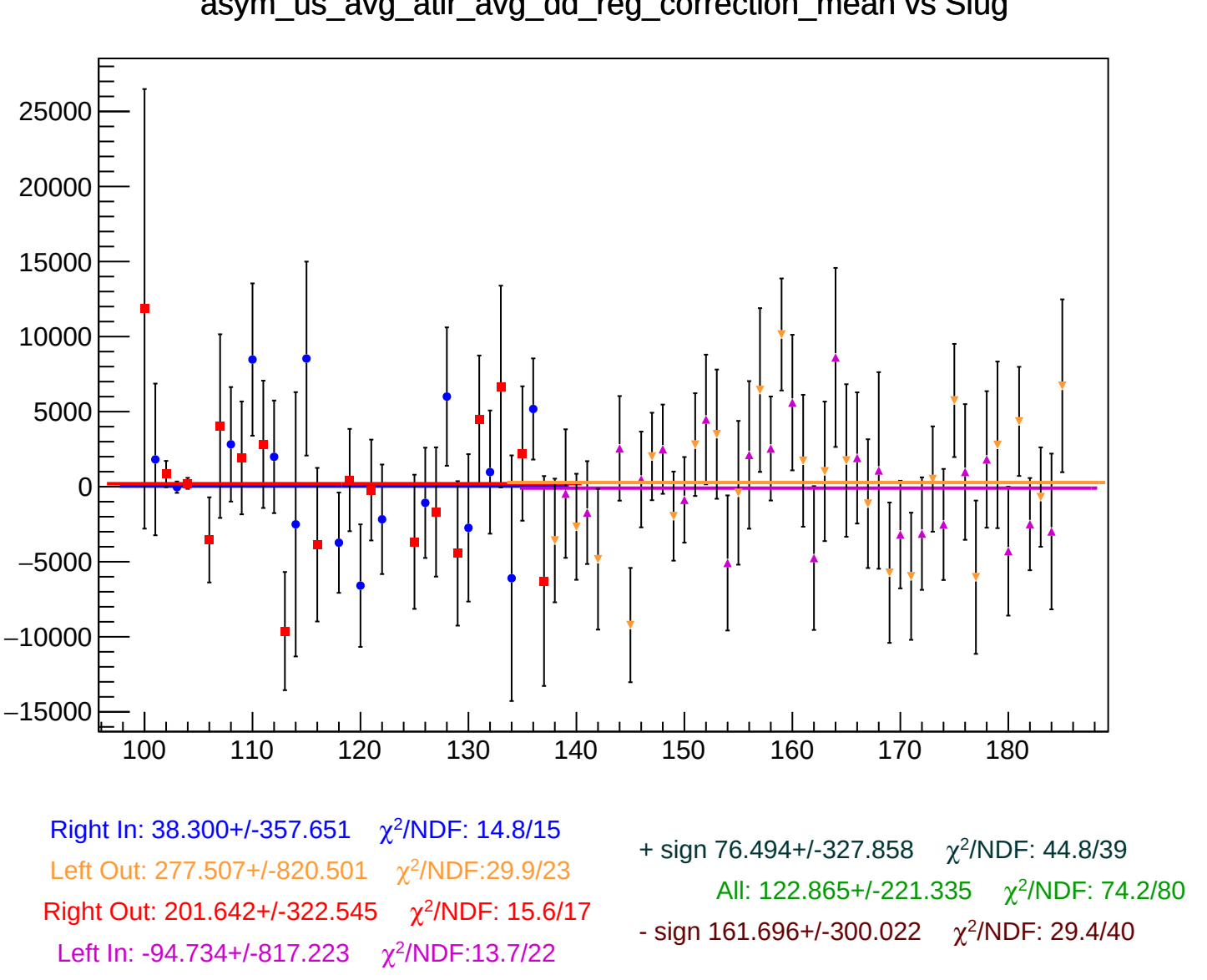
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

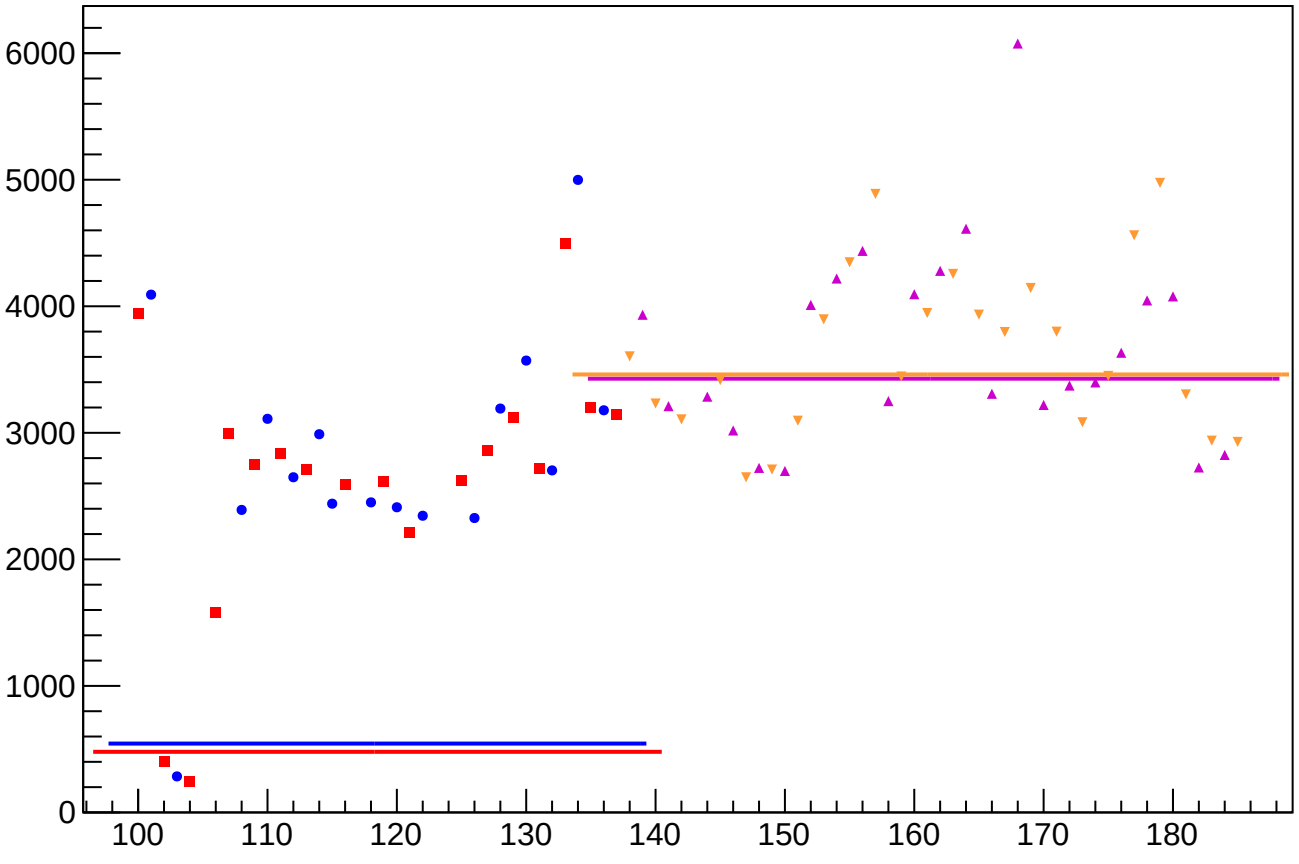
Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1107.377+/-0.155 χ^2/NDF: 686388.6/39

All: 1109.127+/-0.110 χ^2/NDF: 968919.5/80

- sign 1110.898+/-0.156 χ^2/NDF: 282275.3/40


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: 201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -94.734+/-817.223 χ²/NDF:13.7/22
+ sign 76.494+/-327.858 χ²/NDF: 44.8/39
All: 122.865+/-221.335 χ²/NDF: 74.2/80
- sign 161.696+/-300.022 χ²/NDF: 29.4/40



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

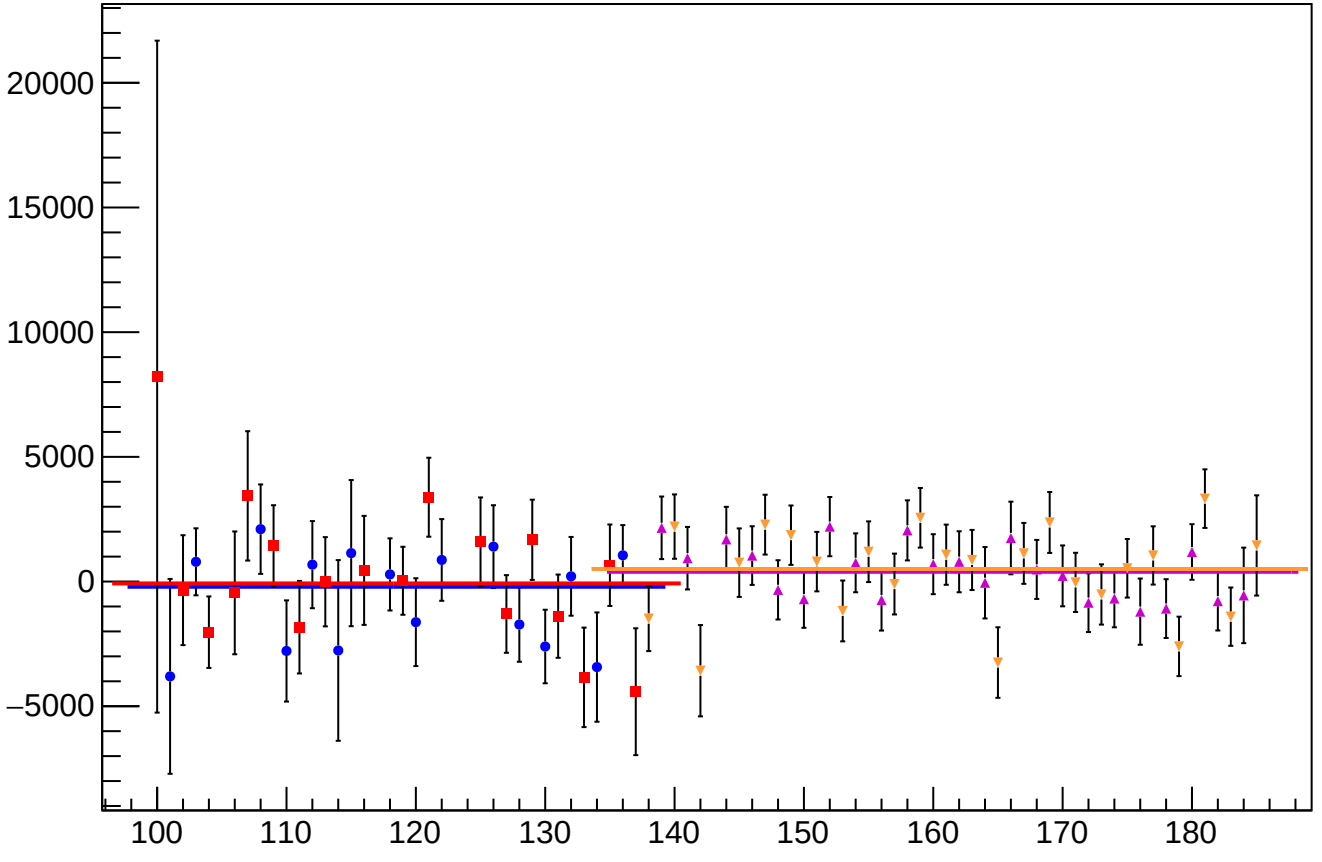
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1010.070+/-0.232 χ^2/NDF: 31982578.8/39

All: 937.466+/-0.157 χ^2/NDF: 65121223.2/80

- 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: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

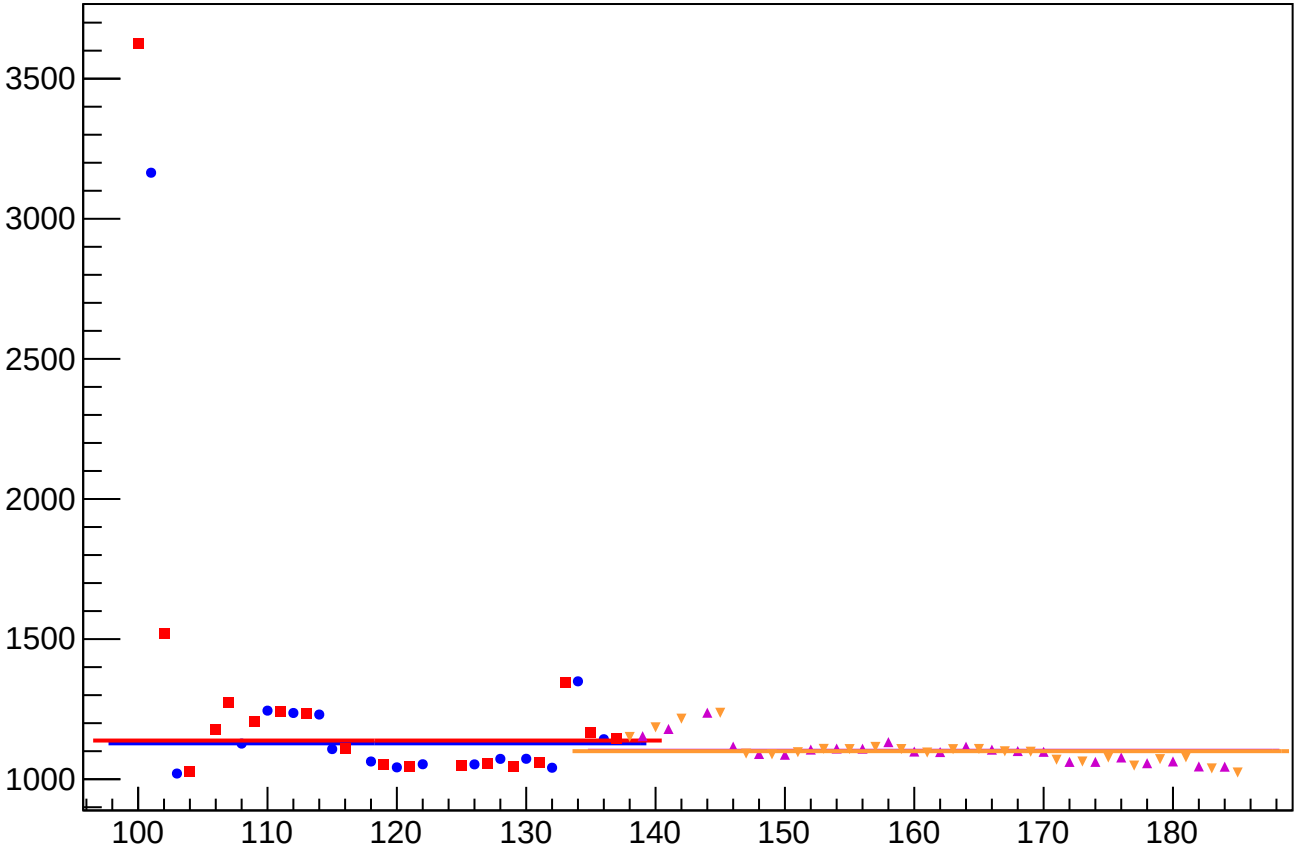
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 317.376+/-219.557 χ^2/NDF: 61.4/39

All: 293.195+/-155.740 χ^2/NDF: 100.7/80

- 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: 1100.063+/-0.181 χ^2/NDF:58733.9/23

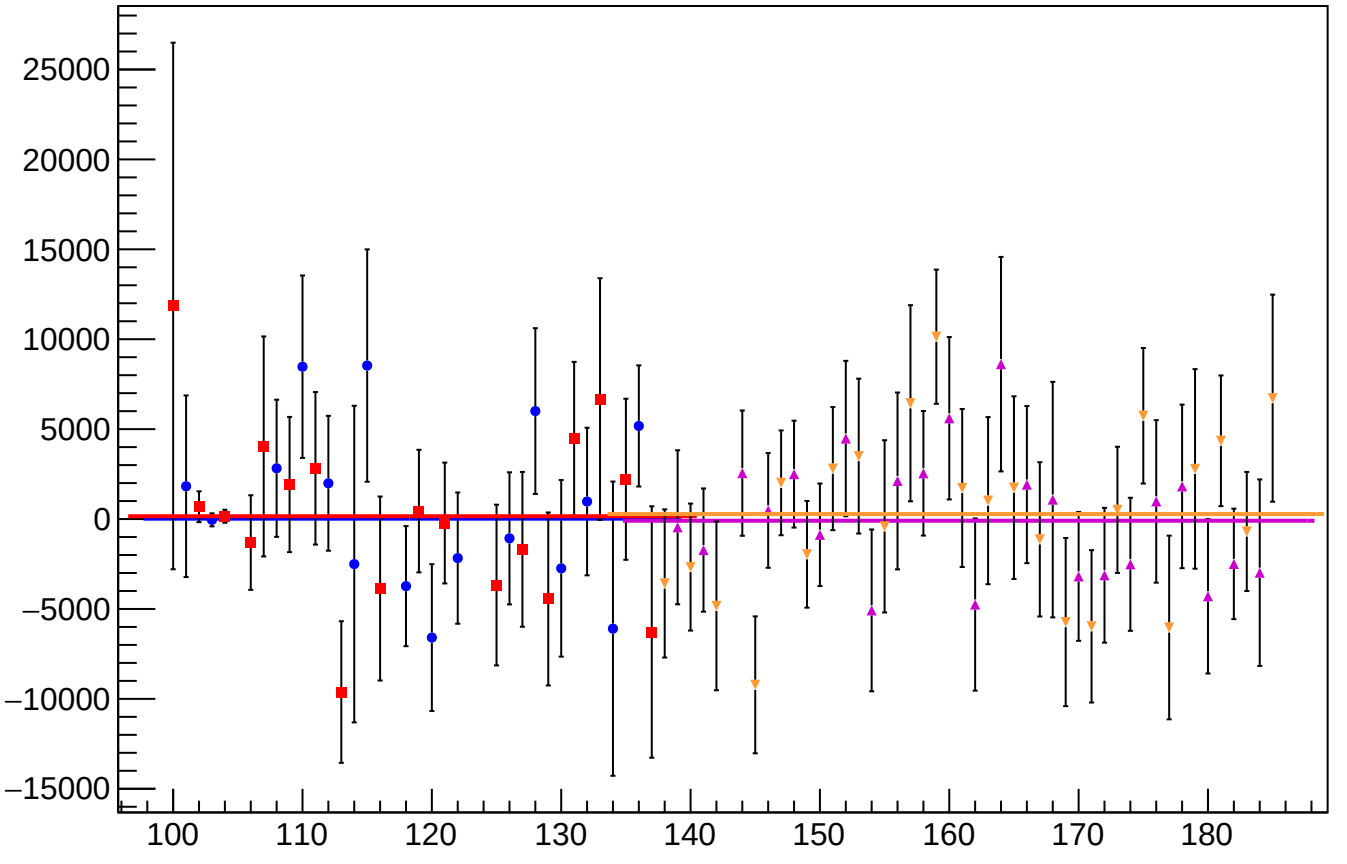
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1107.377+/-0.155 χ^2/NDF: 686389.6/39

All: 1109.243+/-0.110 χ^2/NDF: 970023.7/80

- 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: 277.536+/-820.502 χ^2/NDF:29.9/23

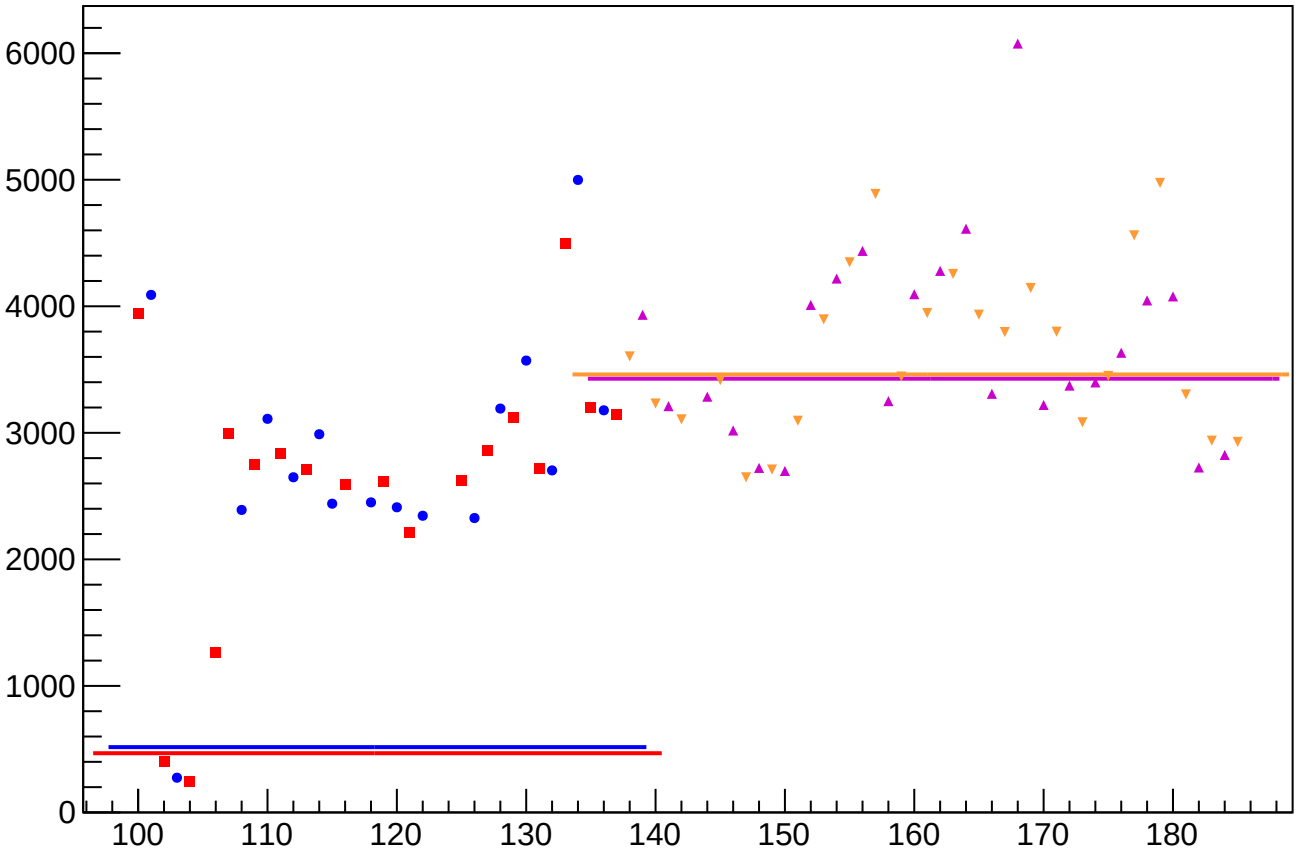
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 60.000+/-317.658 χ^2/NDF: 44.8/39

All: 93.920+/-216.494 χ^2/NDF: 72.6/80

- sign 123.341+/-295.842 χ^2/NDF: 27.7/40



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

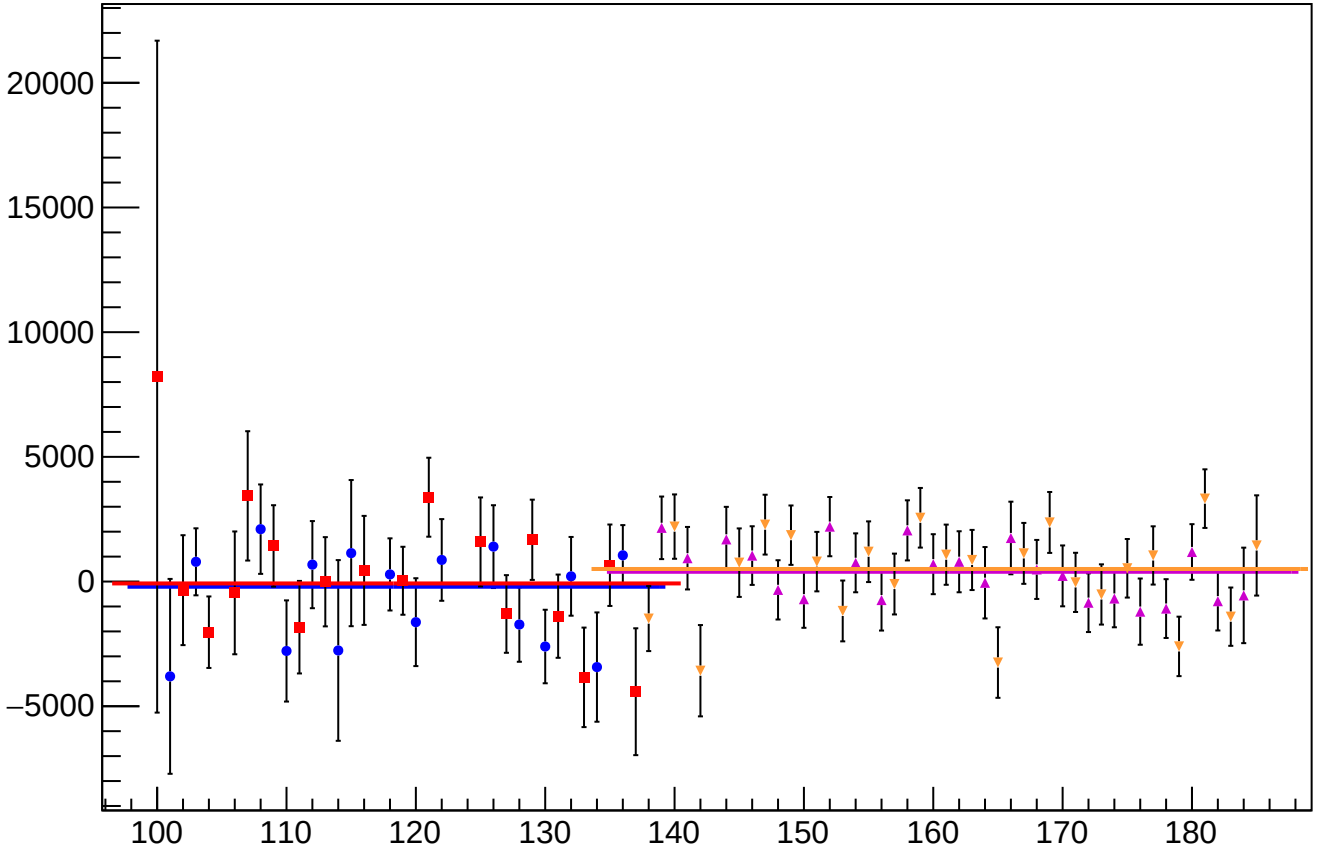
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 957.705+/-0.225 χ^2/NDF: 32796602.4/39

All: 903.210+/-0.153 χ^2/NDF: 66057384.8/80

- sign 855.942+/-0.209 χ^2/NDF: 33150865.8/40

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

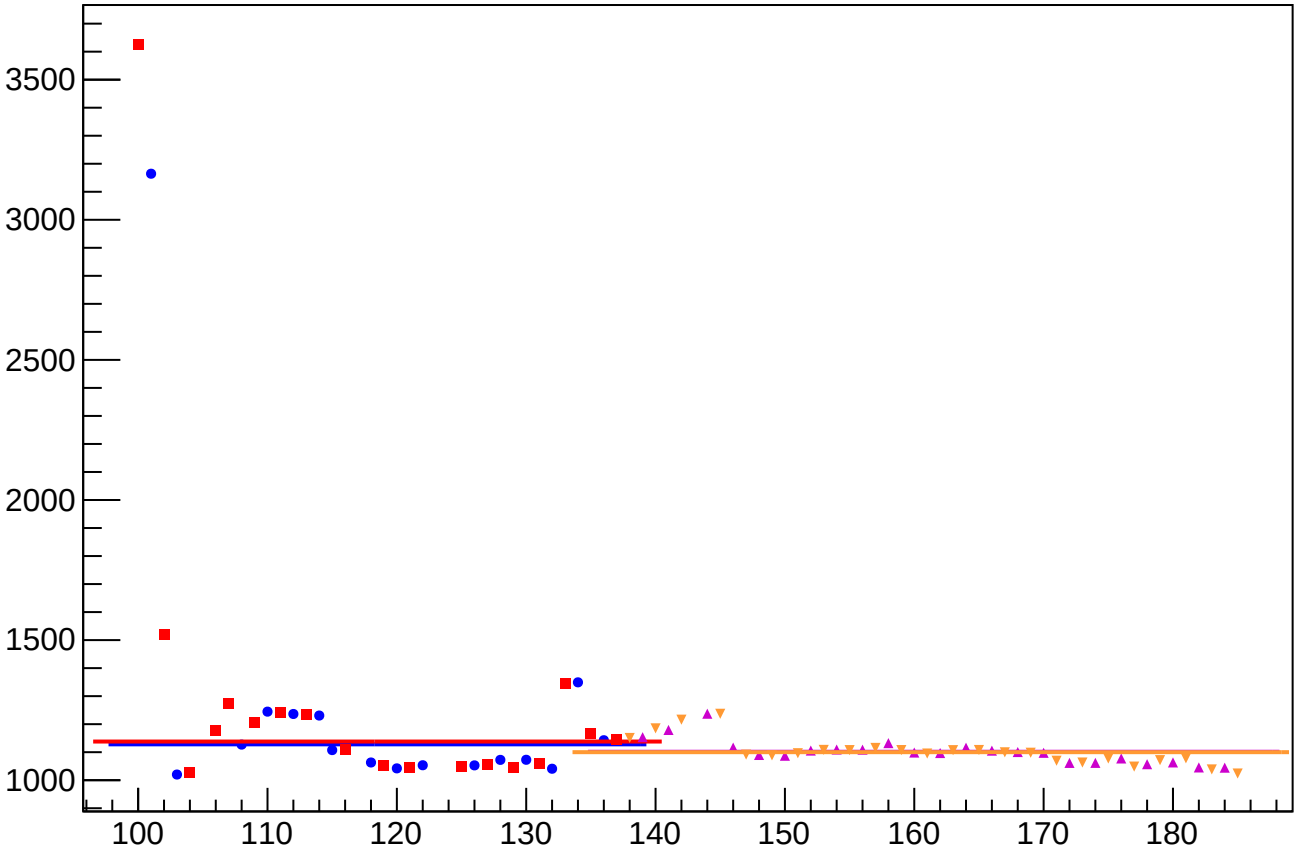
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 317.376+/-219.557 χ^2/NDF: 61.4/39

All: 293.195+/-155.740 χ^2/NDF: 100.7/80

- sign 268.705+/-220.949 χ^2/NDF: 39.3/40

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

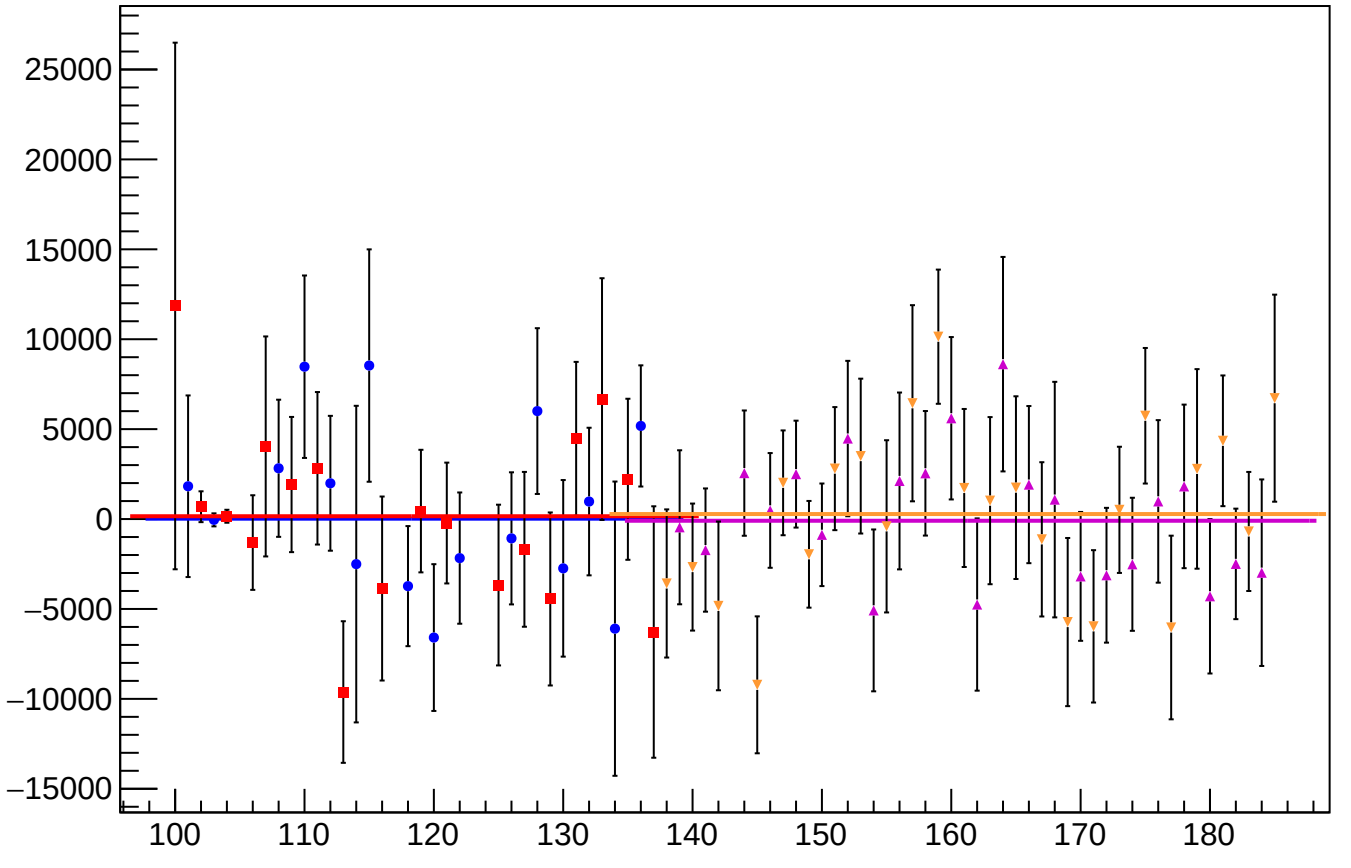
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1107.377+/-0.155 χ^2/NDF: 686389.6/39

All: 1109.243+/-0.110 χ^2/NDF: 970023.7/80

- 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: 277.536+/-820.502 χ^2/NDF:29.9/23

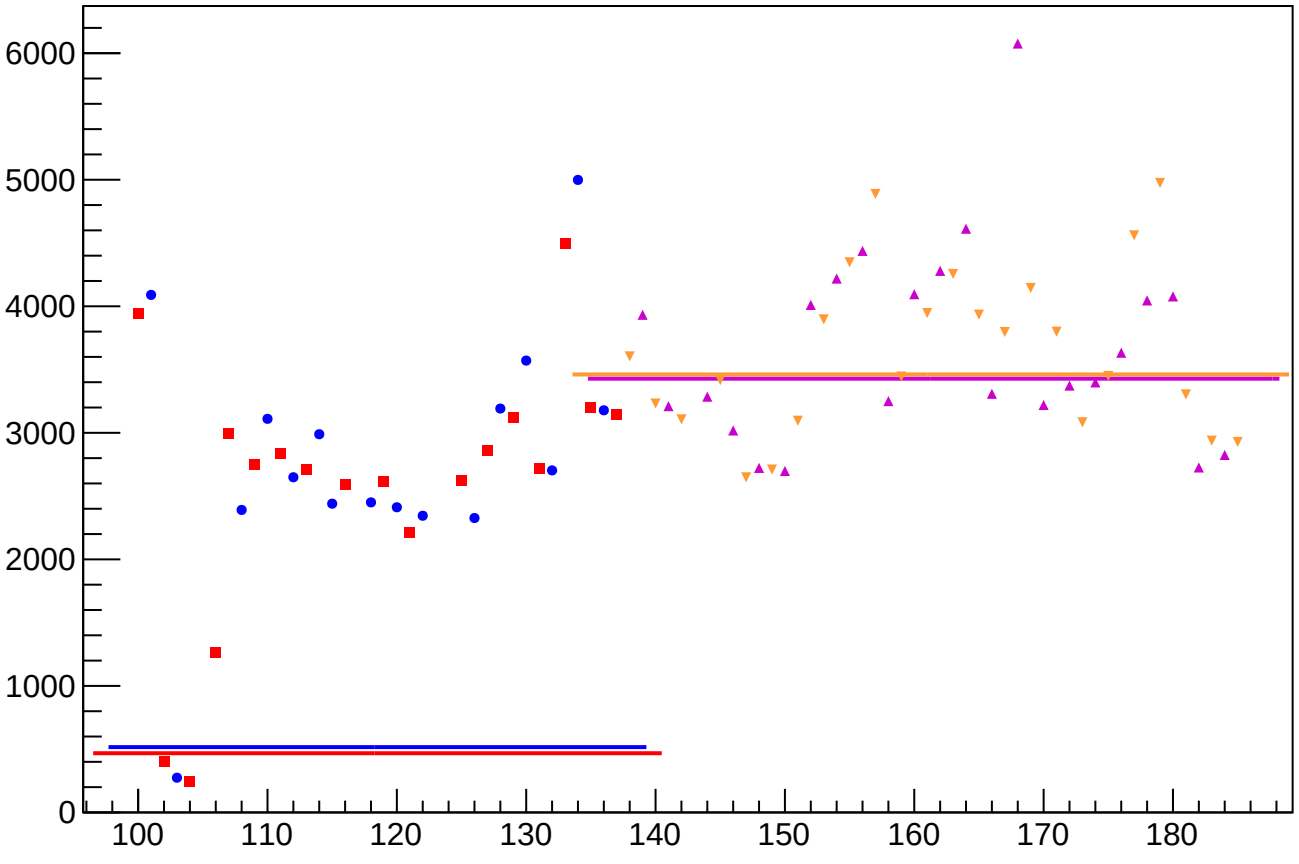
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 60.000+/-317.658 χ^2/NDF: 44.8/39

All: 93.920+/-216.494 χ^2/NDF: 72.6/80

- sign 123.341+/-295.842 χ^2/NDF: 27.7/40



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

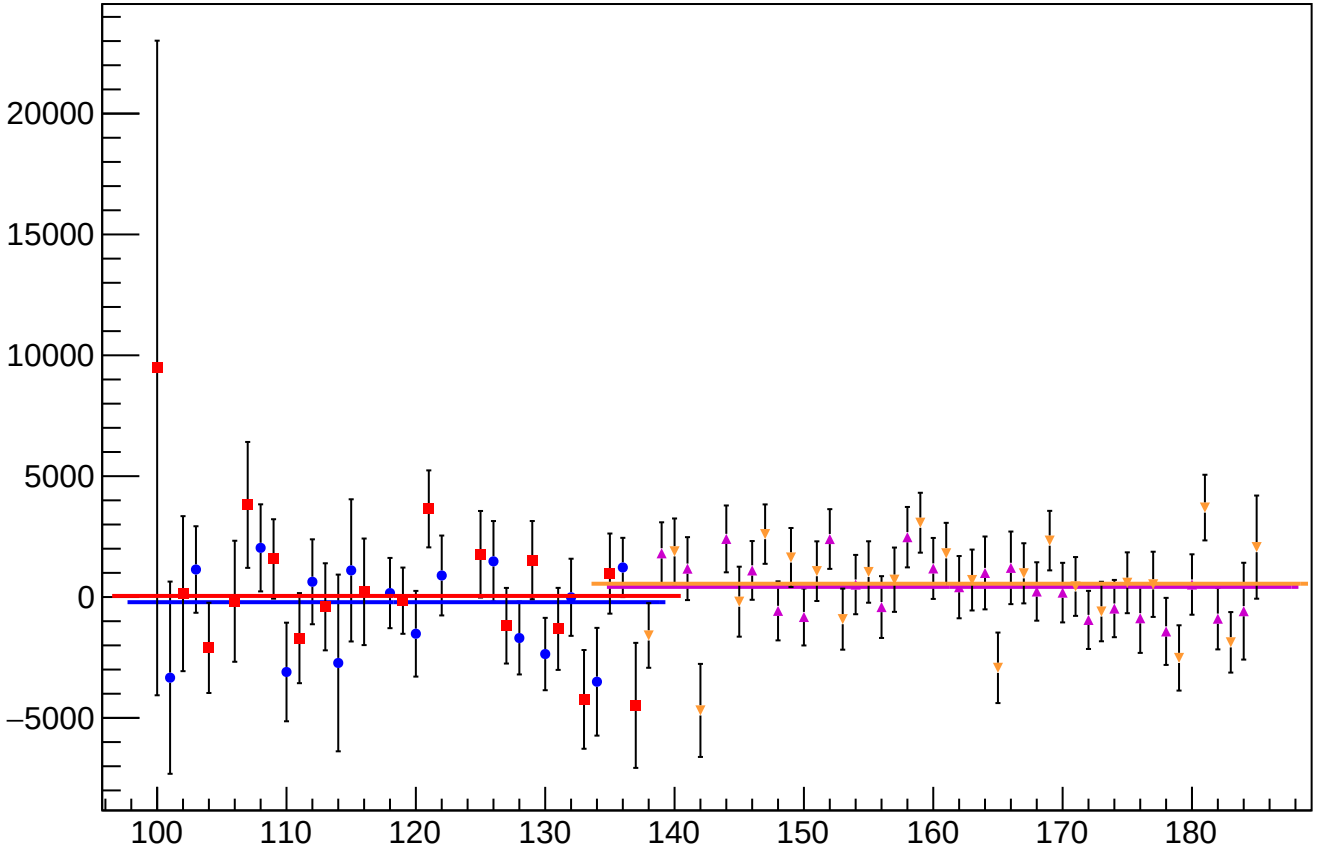
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 957.705+/-0.225 χ^2/NDF: 32796602.4/39

All: 903.210+/-0.153 χ^2/NDF: 66057384.8/80

- sign 855.942+/-0.209 χ^2/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: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

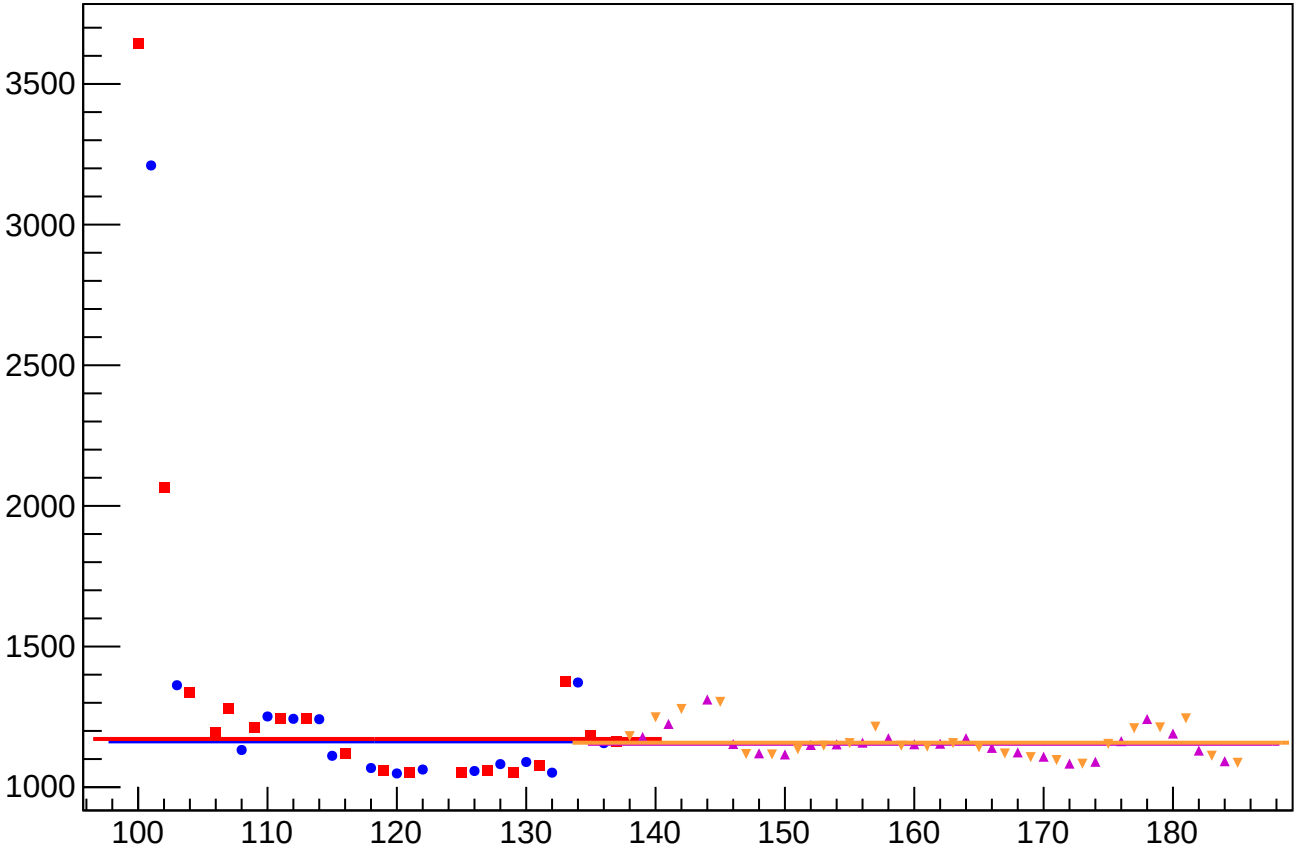
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

\+ sign 344.471+/-230.014 χ^2/NDF: 61.7/39

All: 332.698+/-163.001 χ^2/NDF: 101.9/80

\- 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: 1158.177+/-0.190 χ^2/NDF:84111.8/23

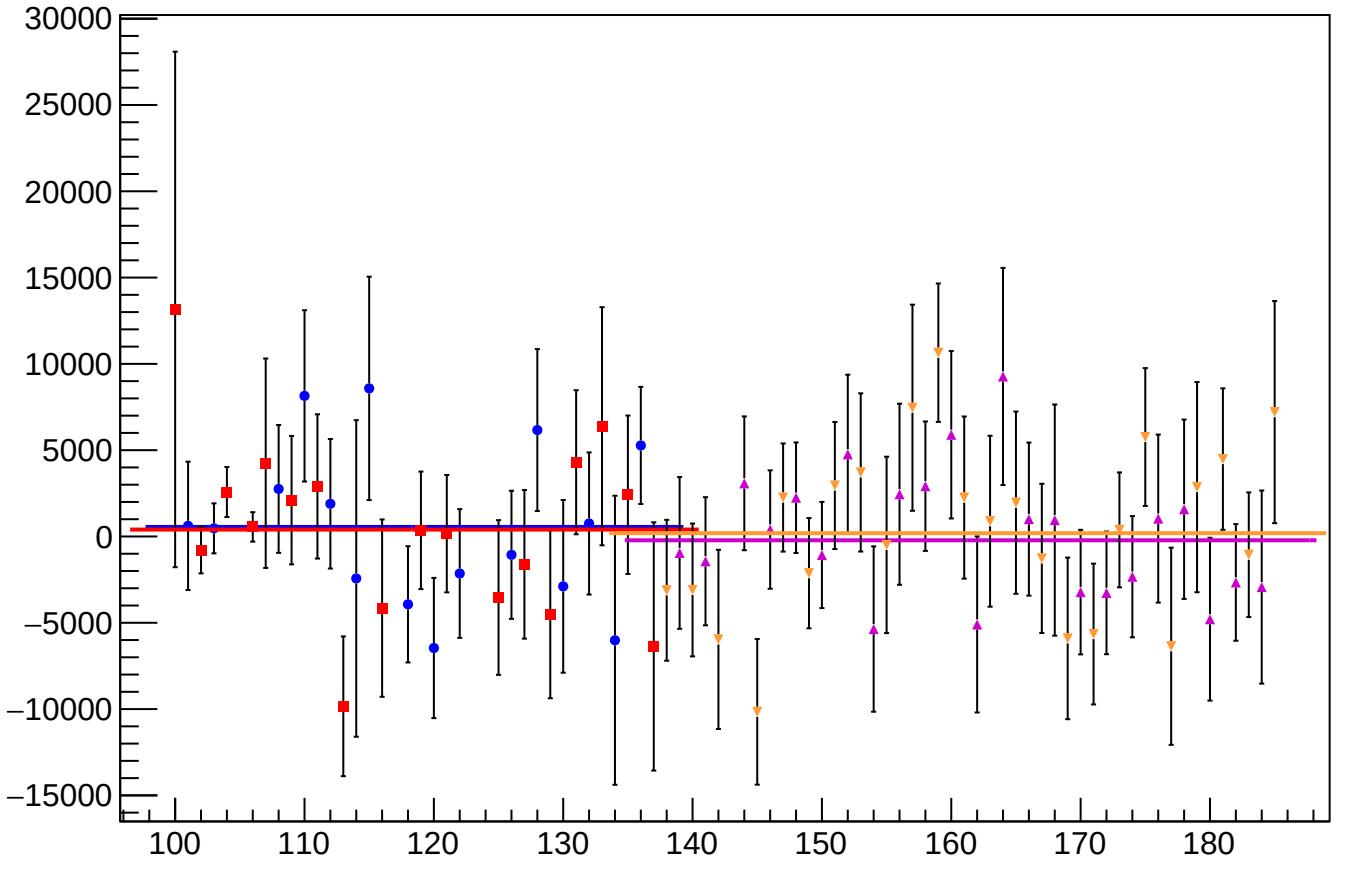
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1159.439+/-0.163 χ^2/NDF: 719628.0/39

All: 1159.131+/-0.115 χ^2/NDF: 1119920.8/80

- 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: 189.735+/-869.432 χ^2/NDF:29.3/23

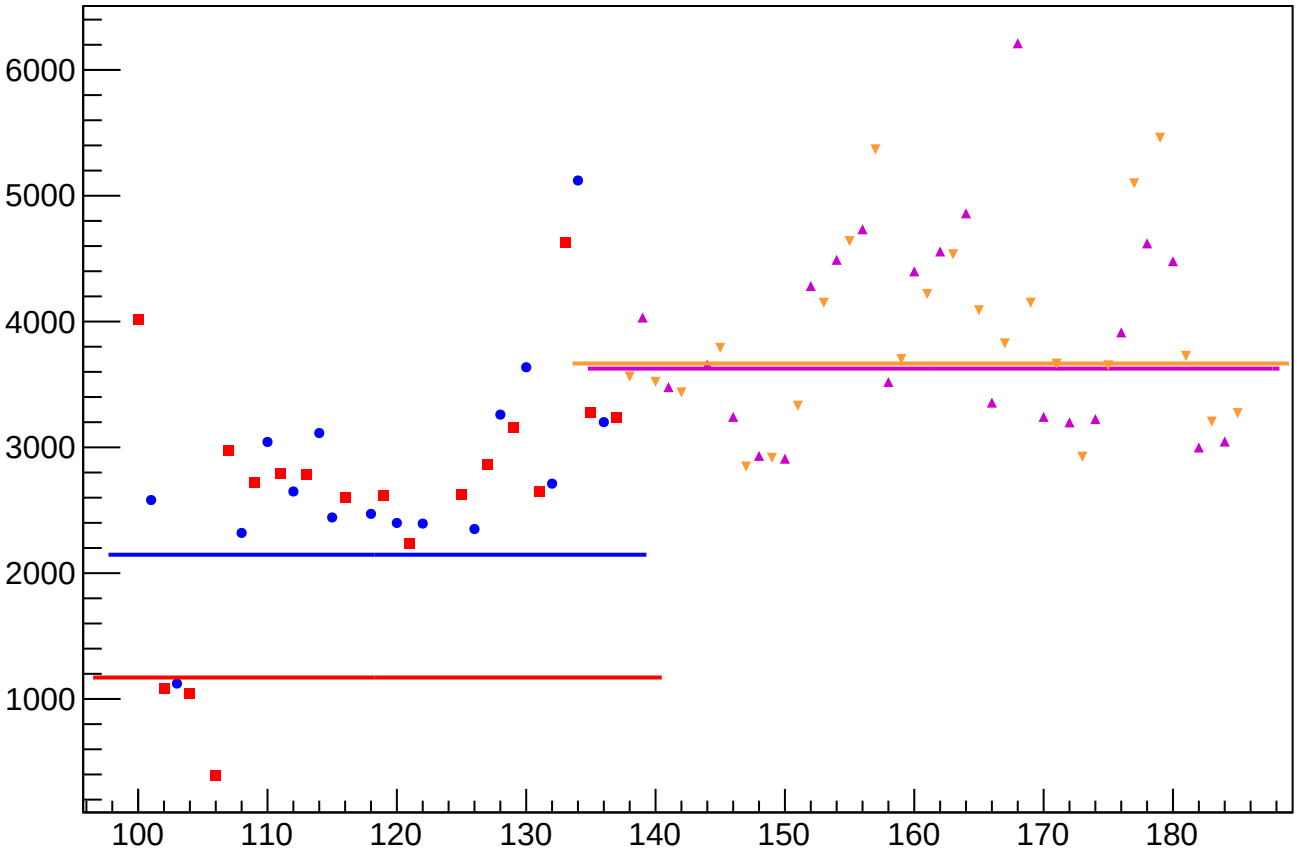
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 370.149+/-616.435 χ^2/NDF: 43.8/39

All: 271.952+/-375.511 χ^2/NDF: 74.2/80

- 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: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

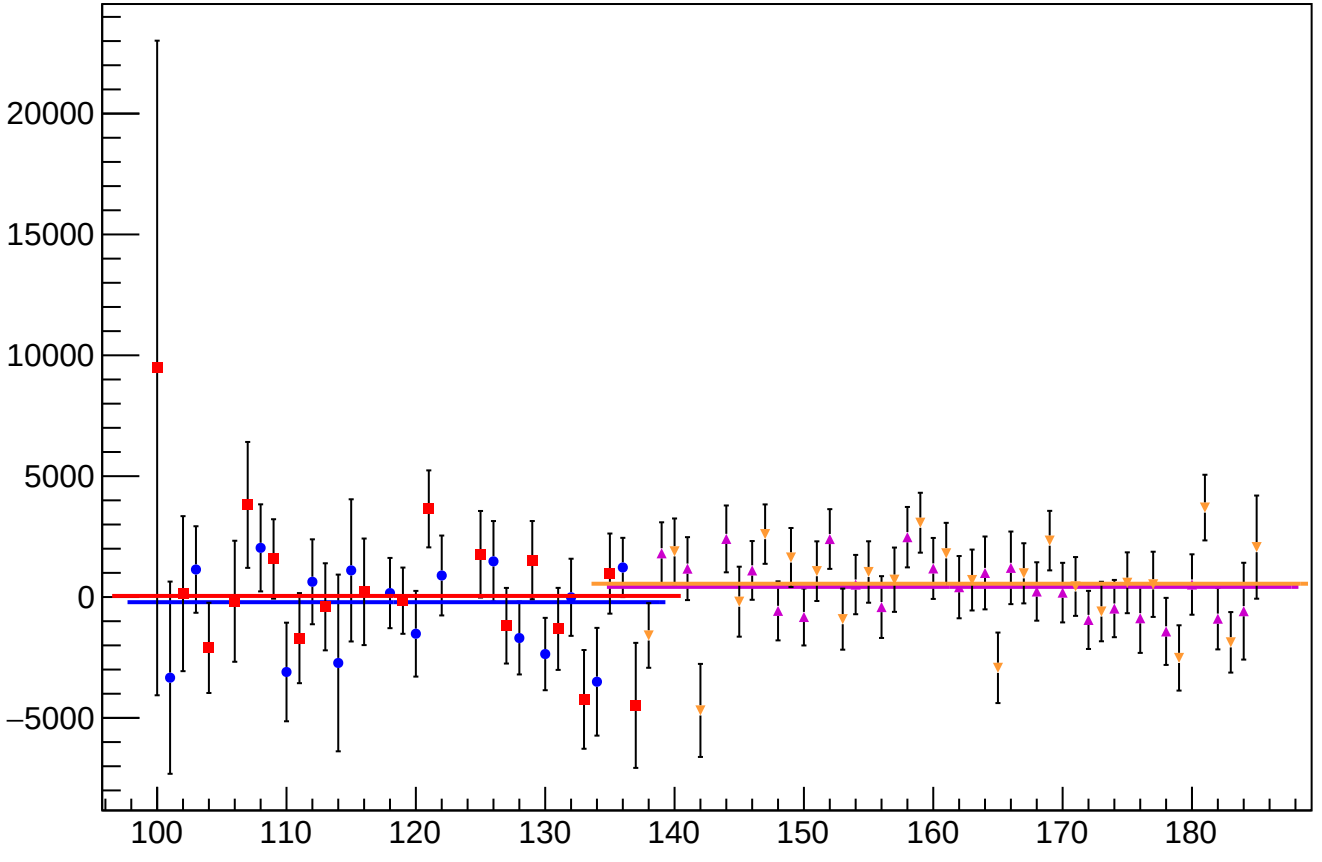
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2910.669+/-0.436 χ^2/NDF: 6110209.2/39

All: 2279.264+/-0.266 χ^2/NDF: 27811460.8/8

- sign 1906.714+/-0.335 χ^2/NDF: 18364855.8/40

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

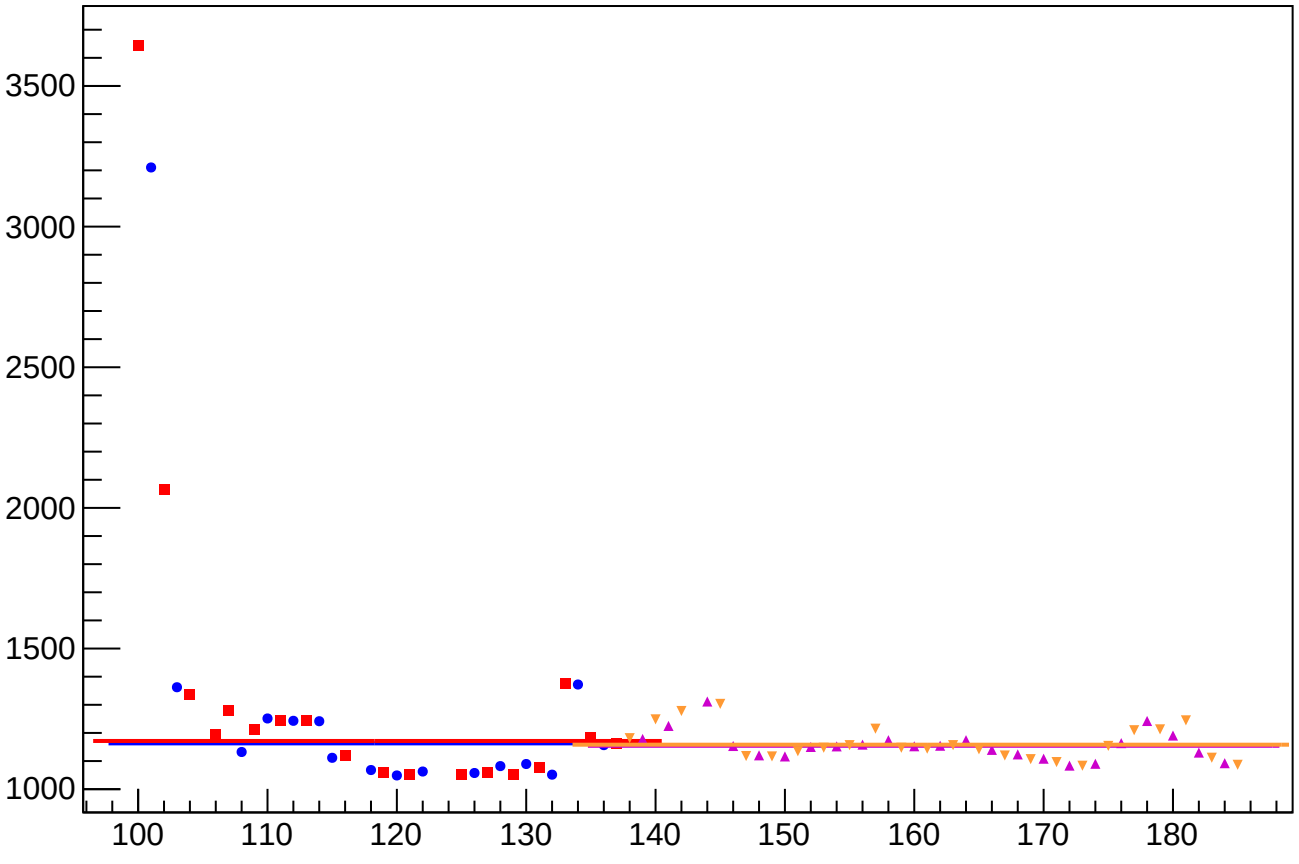
Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 344.472+/-230.014 χ^2/NDF: 61.7/39

All: 332.699+/-163.001 χ^2/NDF: 101.9/80

- sign 320.821+/-231.026 χ^2/NDF: 40.2/40



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

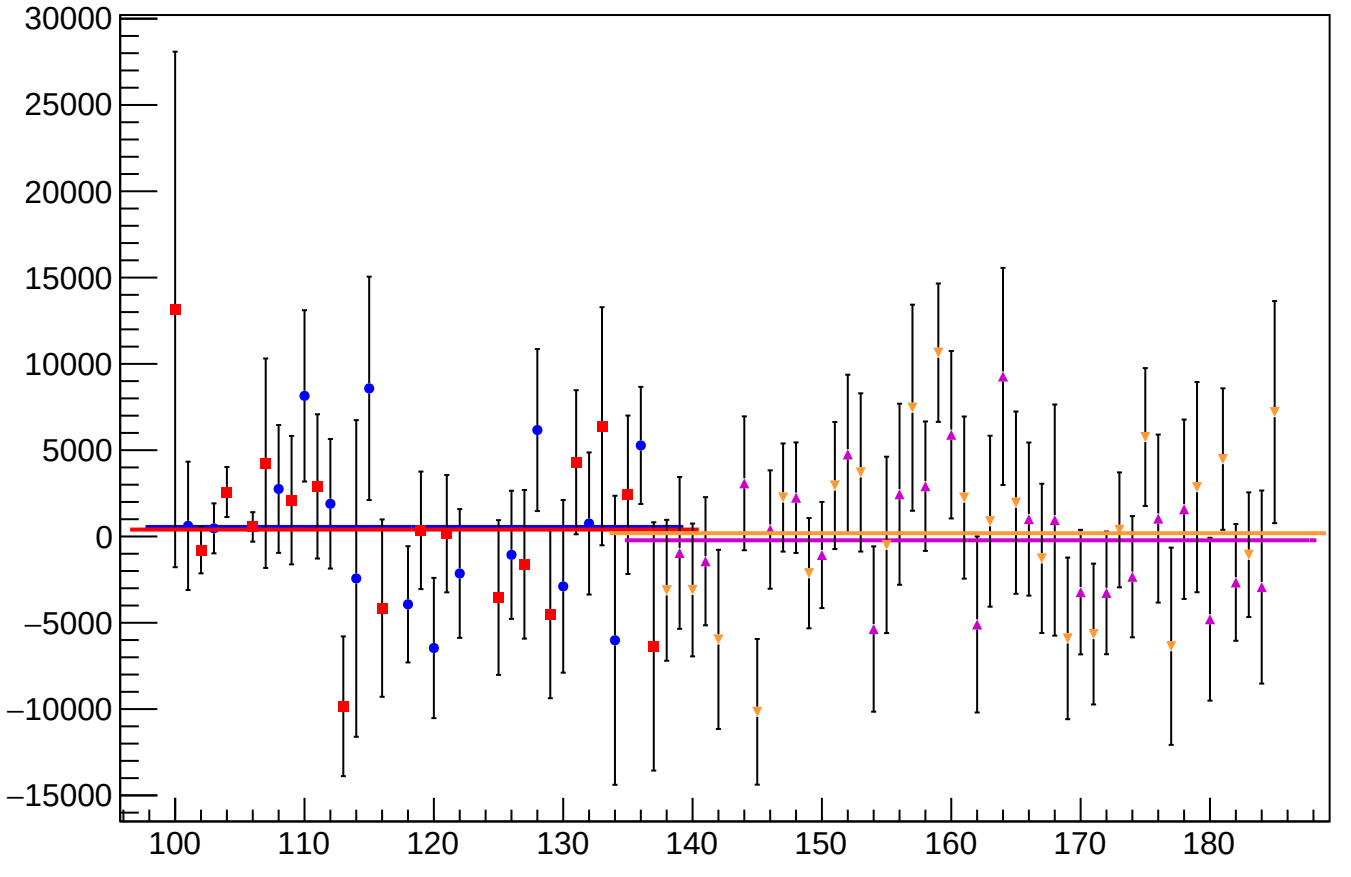
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1159.440+/-0.163 χ^2/NDF: 719630.6/39

All: 1159.132+/-0.115 χ^2/NDF: 1119925.2/80

- 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: 189.735+/-869.434 χ^2/NDF:29.3/23

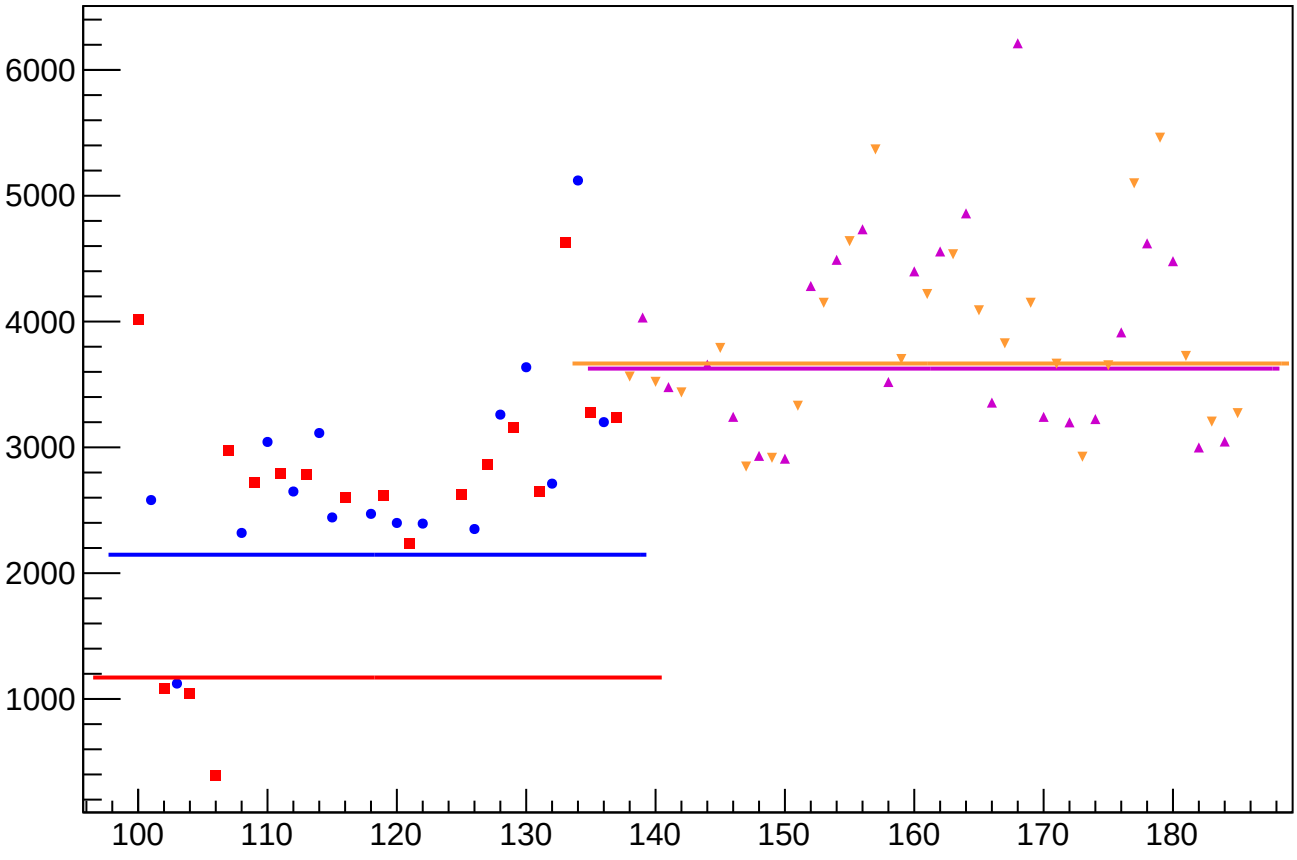
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

\+ sign 370.146+/-616.435 χ^2/NDF: 43.8/39

All: 271.953+/-375.509 χ^2/NDF: 74.2/80

\- 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: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

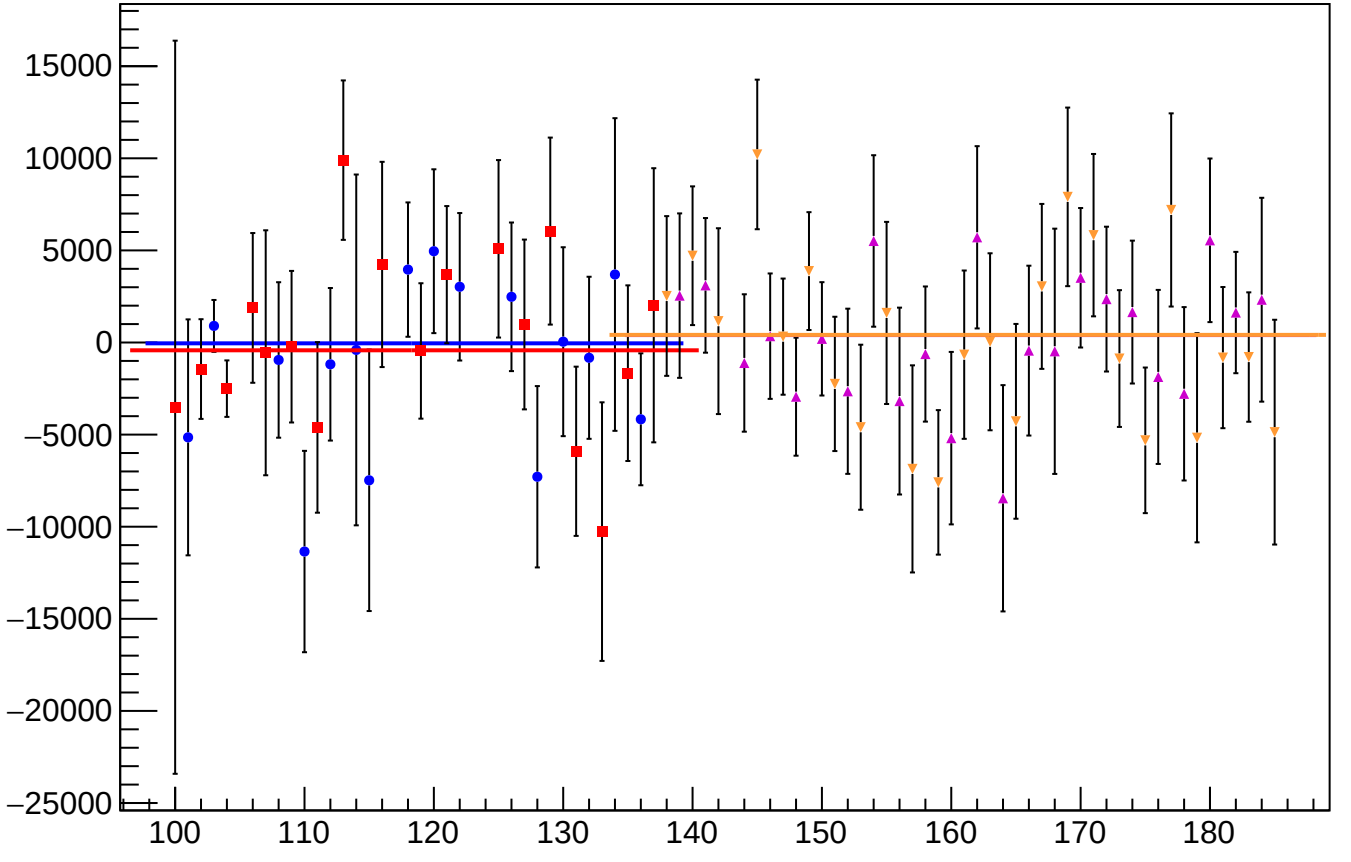
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2910.668+/-0.436 χ^2/NDF: 6110241.8/39

All: 2279.242+/-0.266 χ^2/NDF: 27812143.3/8

- 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: 413.494+/-865.331 χ^2/NDF:27.2/23

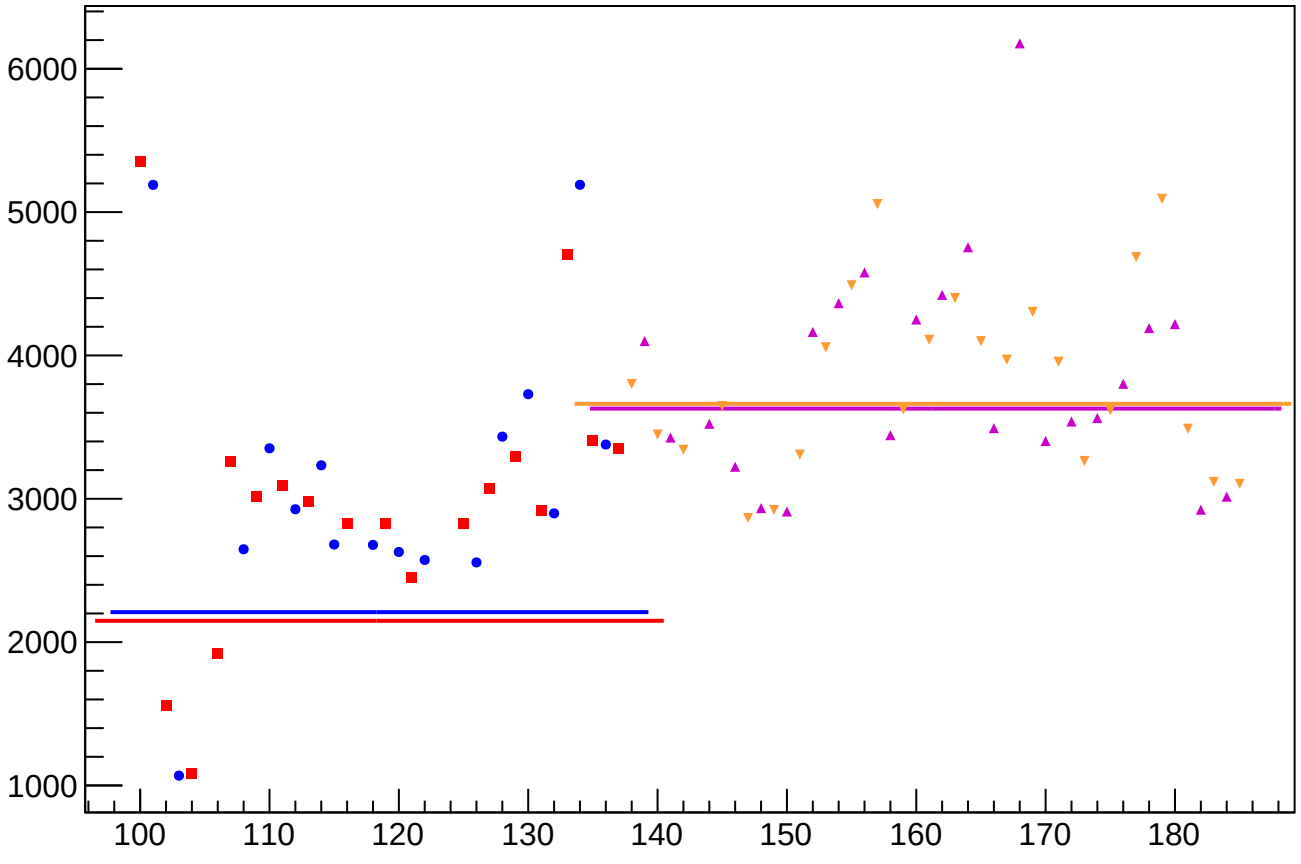
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

\+ sign 198.515+/-630.559 χ^2/NDF: 41.0/39

All: 100.958+/-442.674 χ^2/NDF: 71.2/80

\- 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: 3662.662+/-0.612 χ^2/NDF:893468.3/23

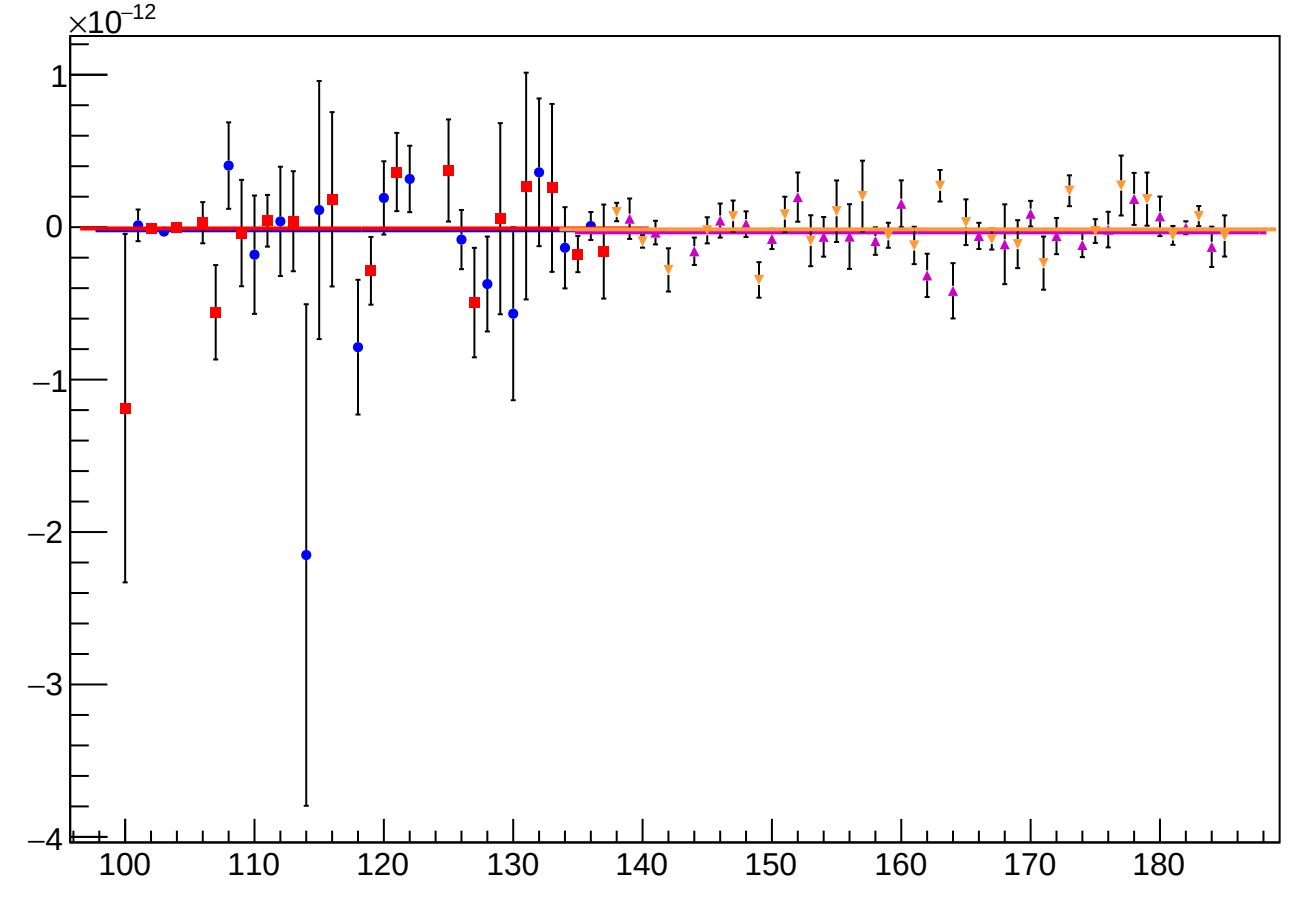
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 2981.042+/-0.446 χ^2/NDF: 6376199.2/39

All: 2948.092+/-0.313 χ^2/NDF: 12549609.3/8

- 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:45.3/23

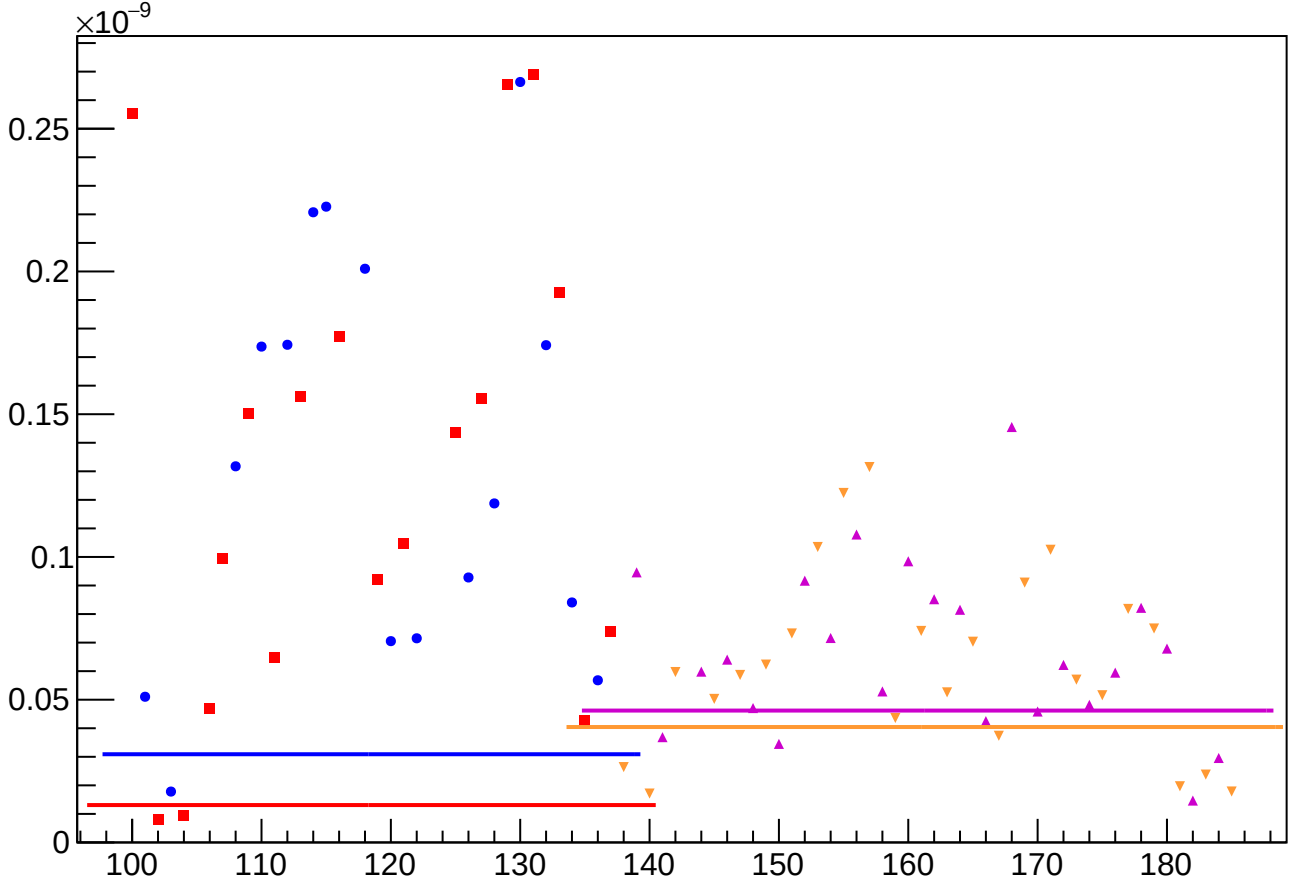
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

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

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/39

All: -0.000+/-0.000 χ^2/NDF: 96.9/80

- 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:3432253.9/23

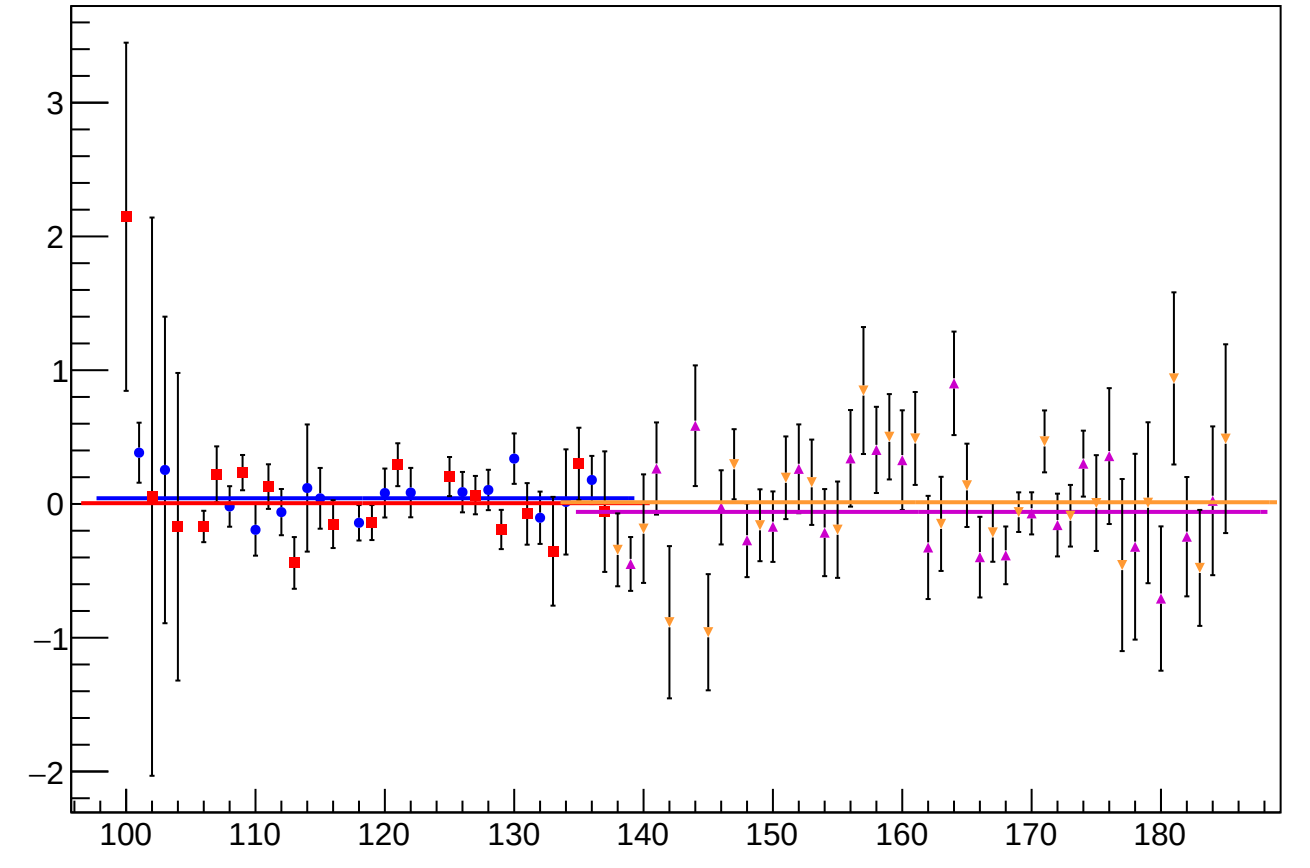
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6613255.5/39

All: 0.000+/-0.000 χ^2/NDF: 17536205.5/80

- sign 0.000+/-0.000 χ^2/NDF: 10096830.0/40



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

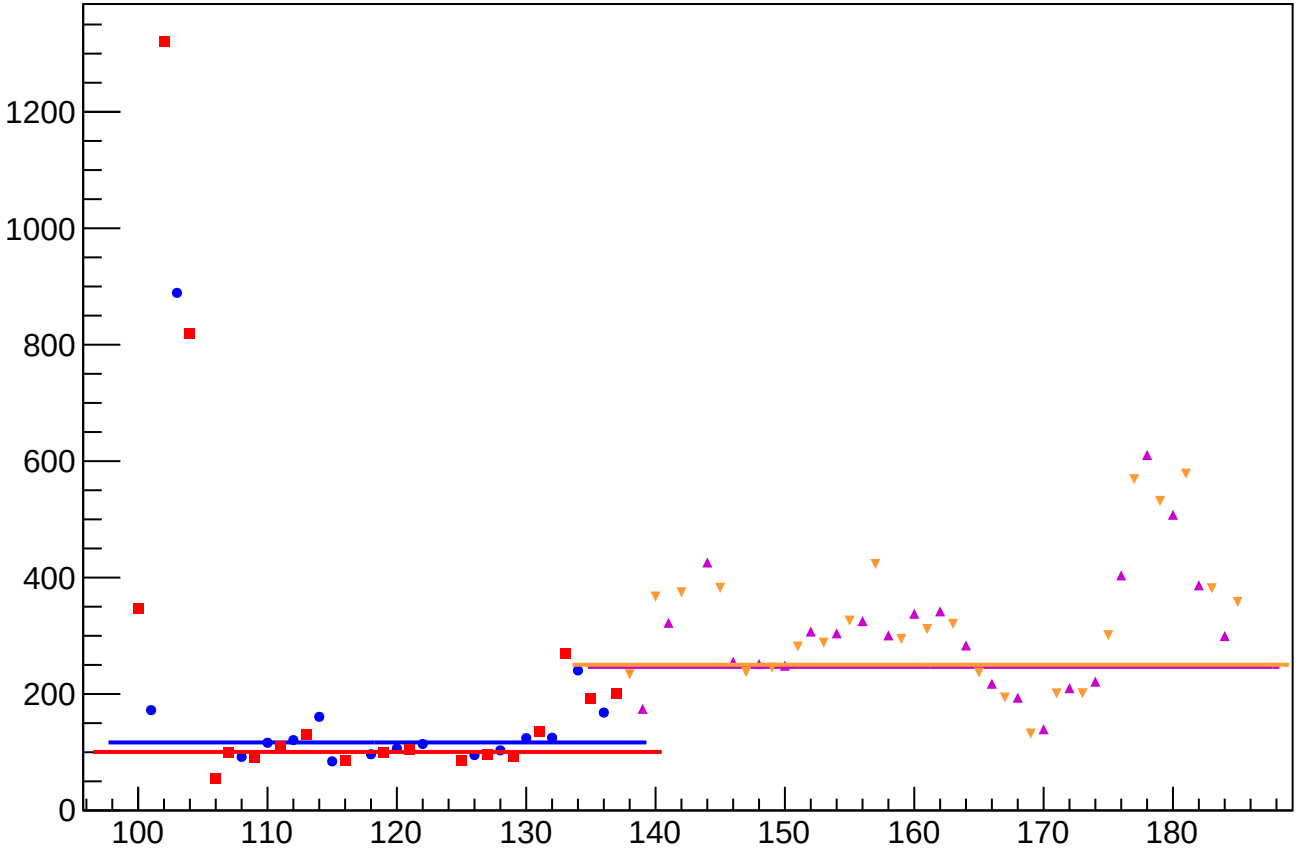
Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.032+/-0.038 χ^2/NDF: 39.7/39

All: 0.007+/-0.026 χ^2/NDF: 95.3/80

- sign -0.016+/-0.036 χ^2/NDF: 54.7/40

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

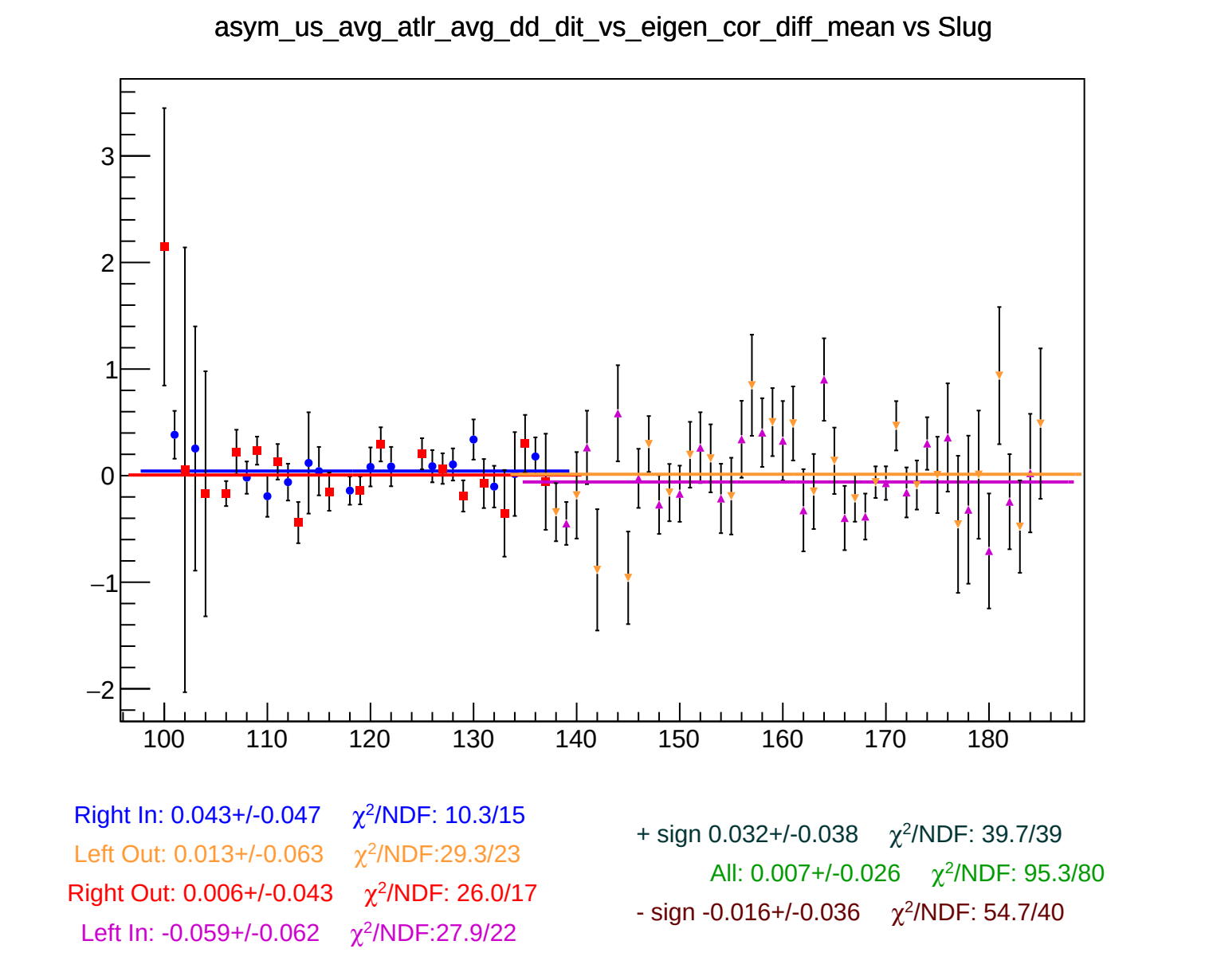
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

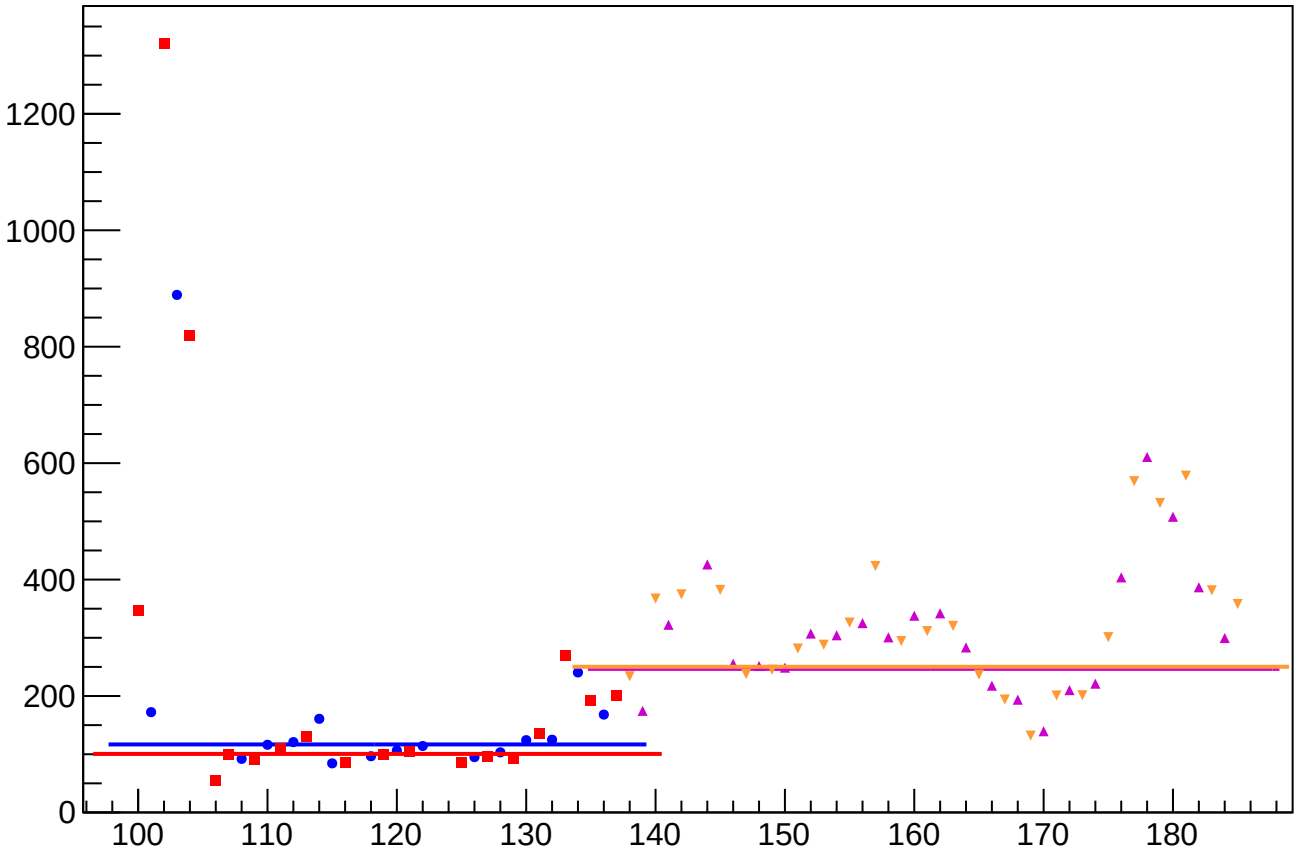
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 165.140+/-0.027 χ^2/NDF: 11693775.2/39

All: 156.309+/-0.018 χ^2/NDF: 25787458.3/80

- 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
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.032+/-0.038 χ²/NDF: 39.7/39
All: 0.007+/-0.026 χ²/NDF: 95.3/80
- sign -0.016+/-0.036 χ²/NDF: 54.7/40



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

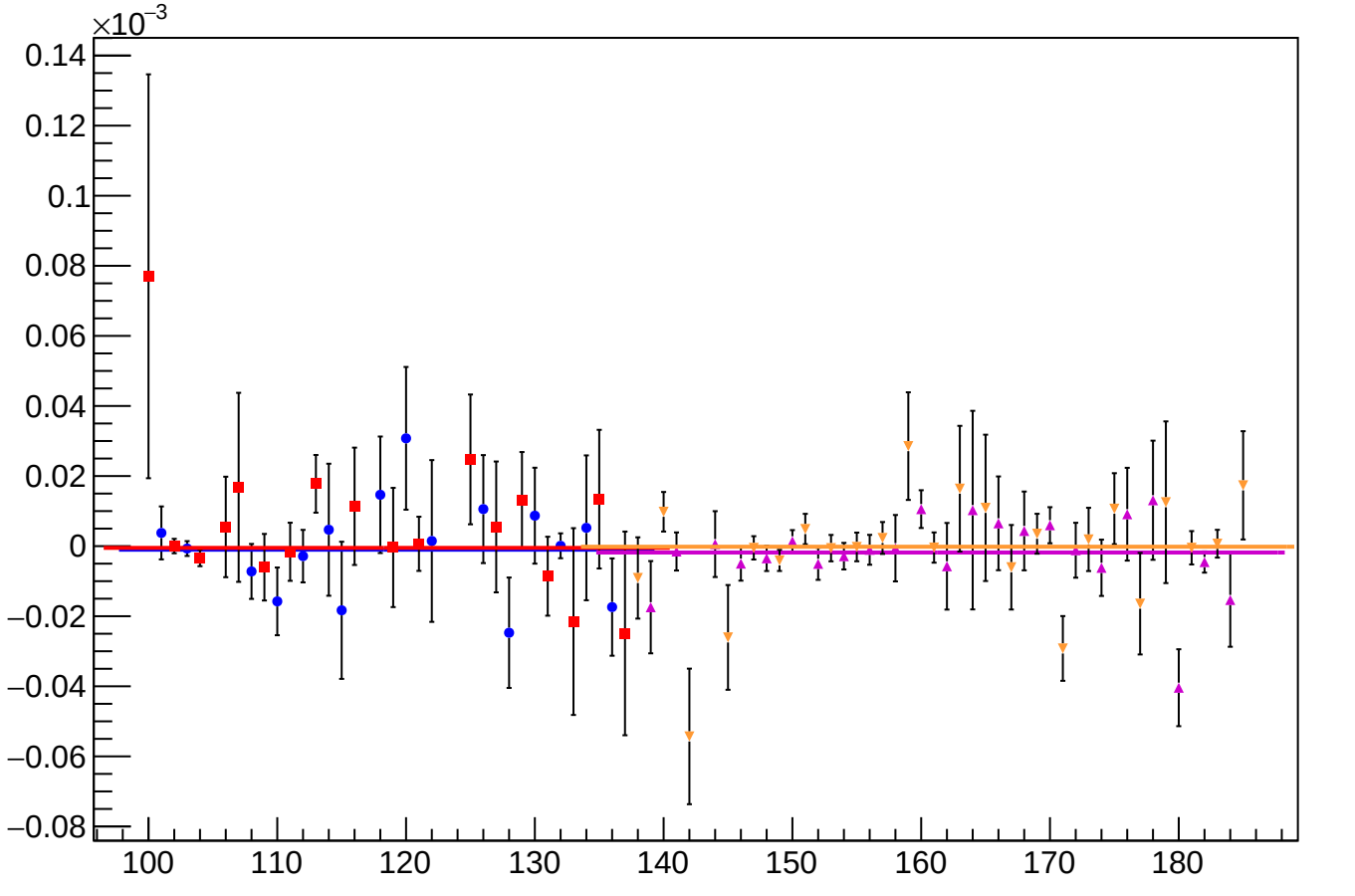
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 165.140+/-0.027 χ^2/NDF: 11693775.2/39

All: 156.309+/-0.018 χ^2/NDF: 25787458.3/80

- 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:37.2/23

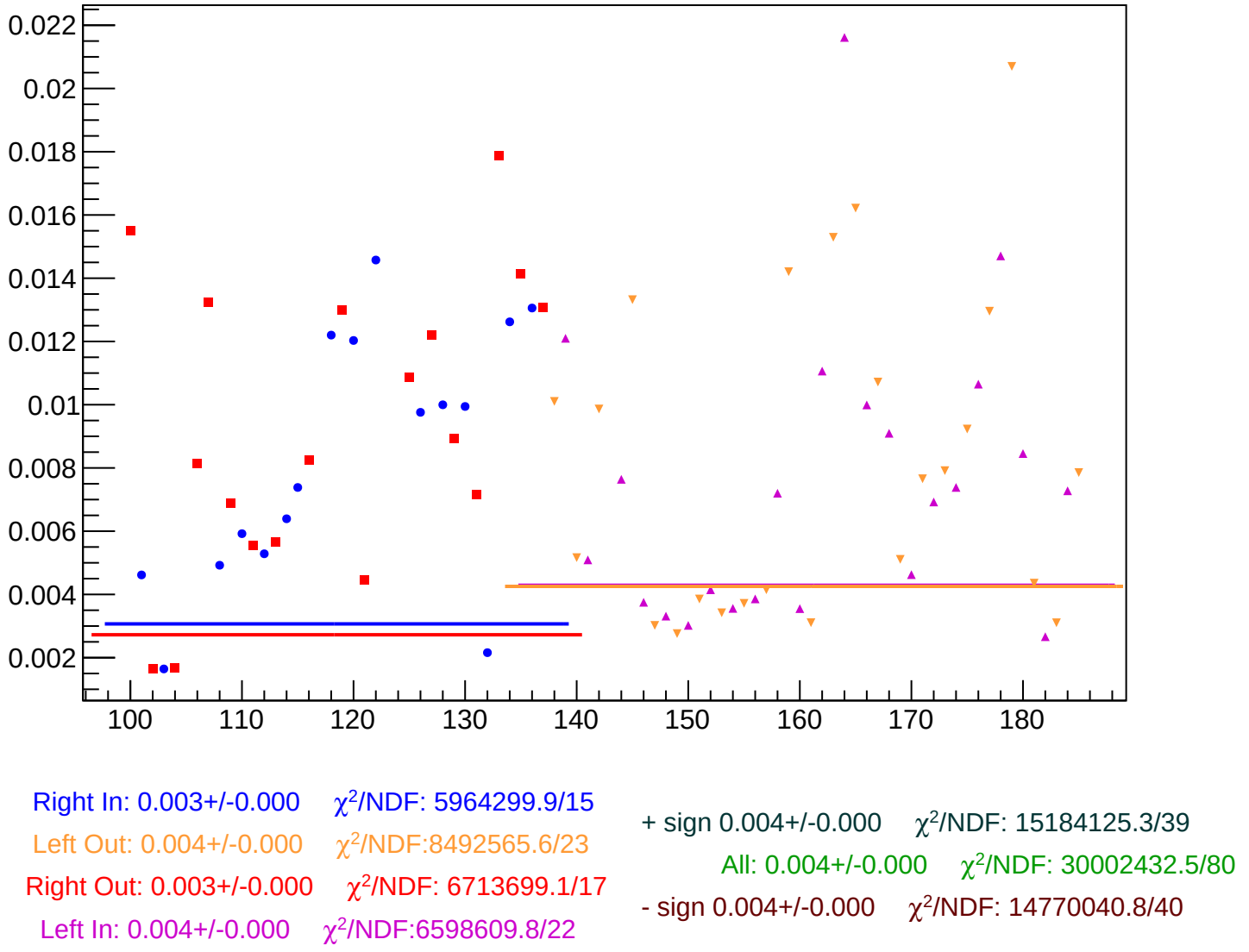
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

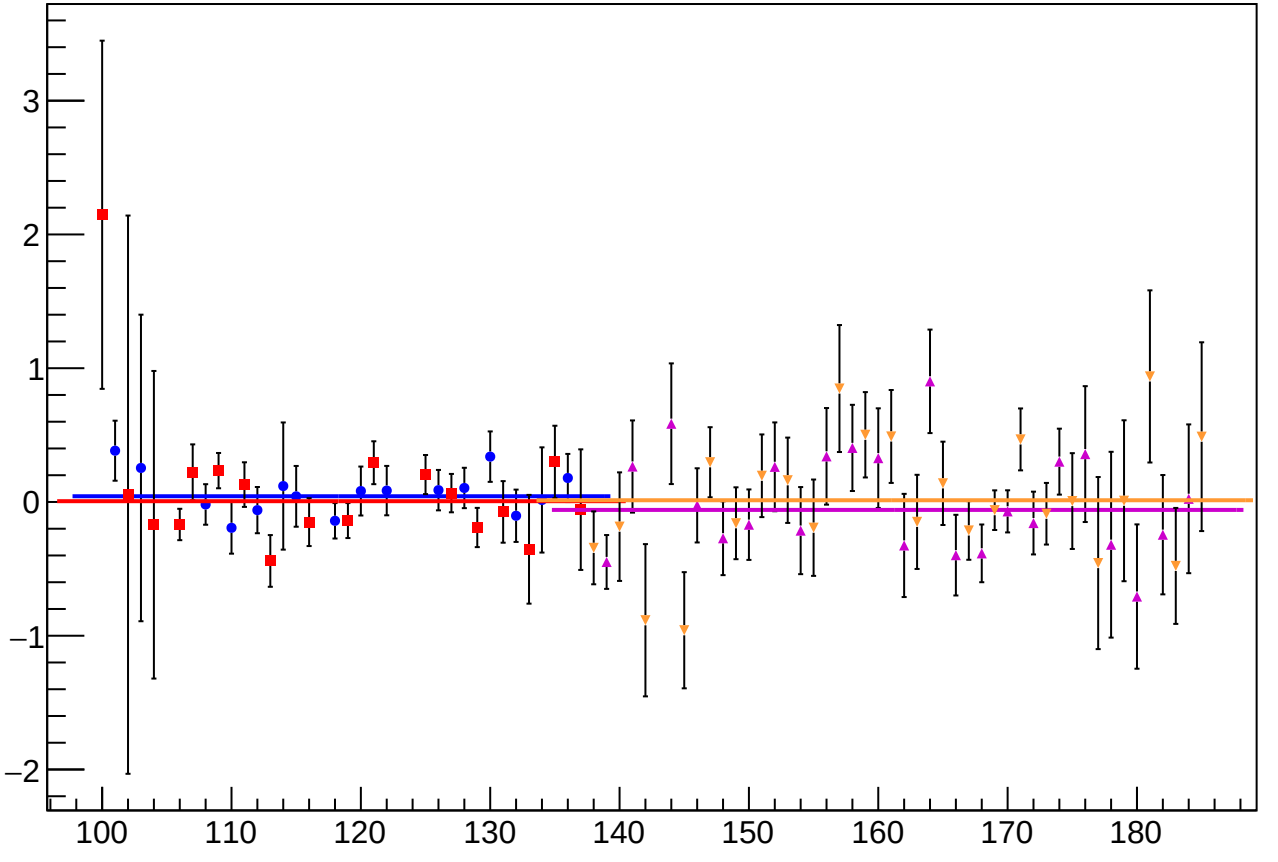
+ sign -0.000+/-0.000 χ^2/NDF: 49.9/39

All: -0.000+/-0.000 χ^2/NDF: 94.1/80

- 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
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
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: 15184125.3/39
All: 0.004+/-0.000 χ²/NDF: 30002432.5/80
- sign 0.004+/-0.000 χ²/NDF: 14770040.8/40

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

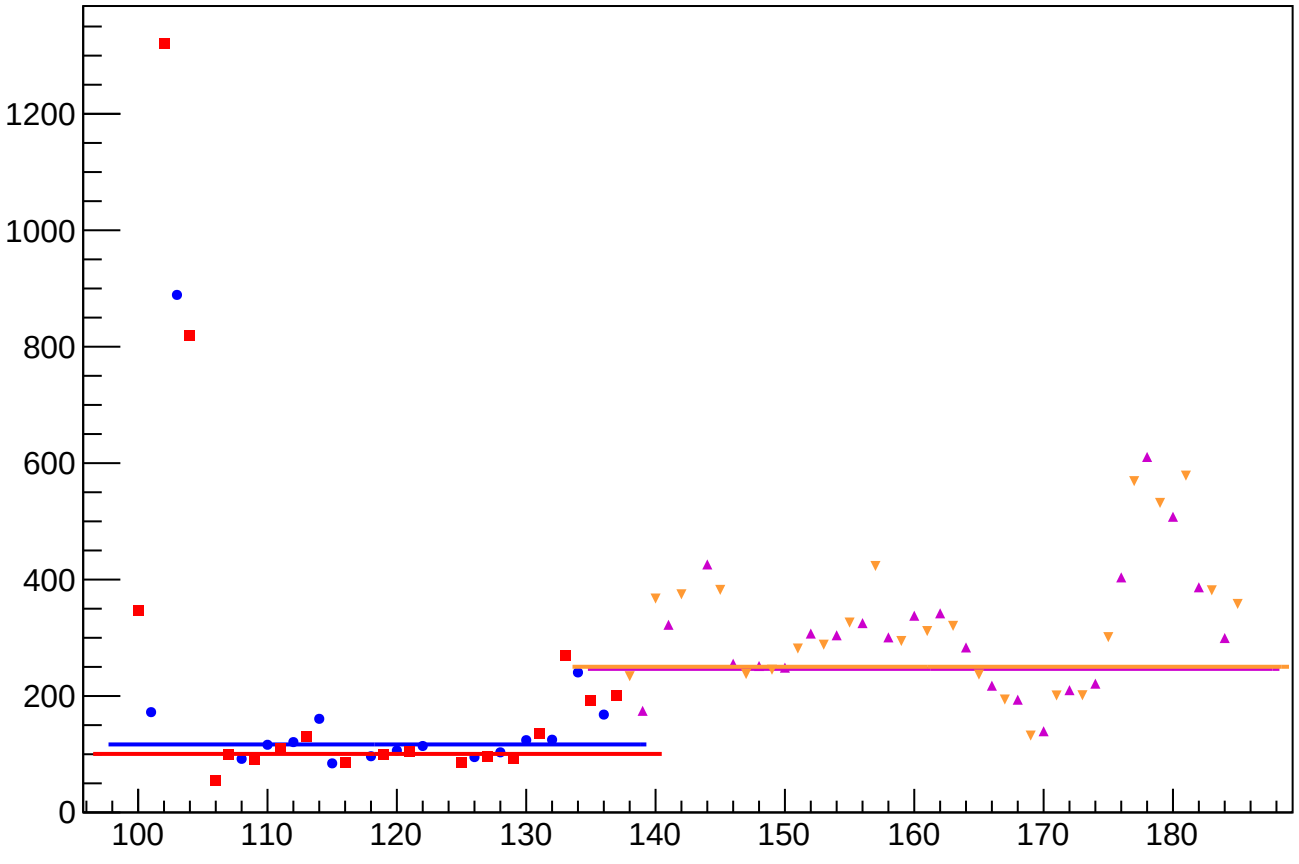
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.032+/-0.038 χ^2/NDF: 39.7/39

All: 0.007+/-0.026 χ^2/NDF: 95.3/80

- 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: 250.248+/-0.045 χ^2/NDF:4353323.9/23

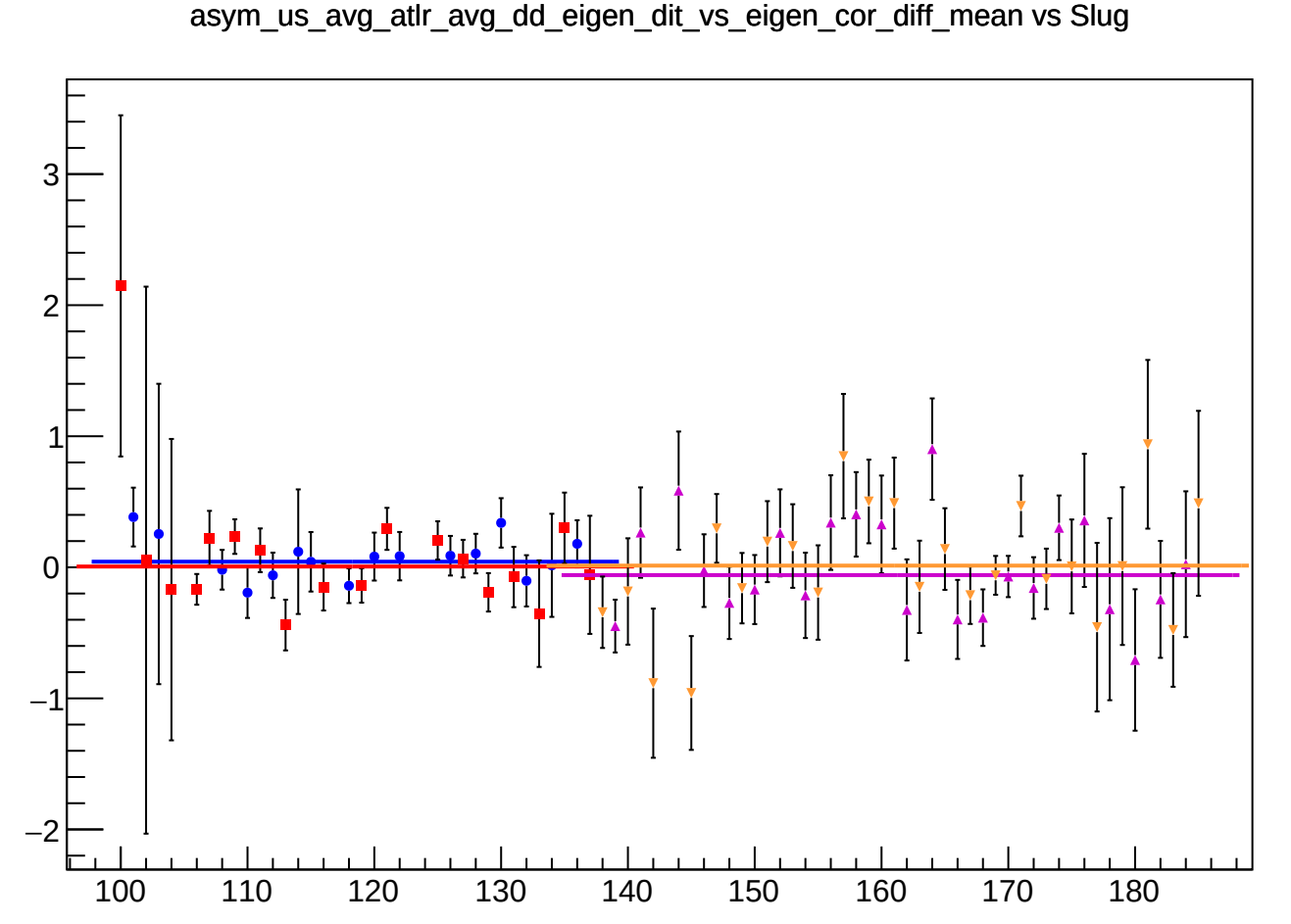
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

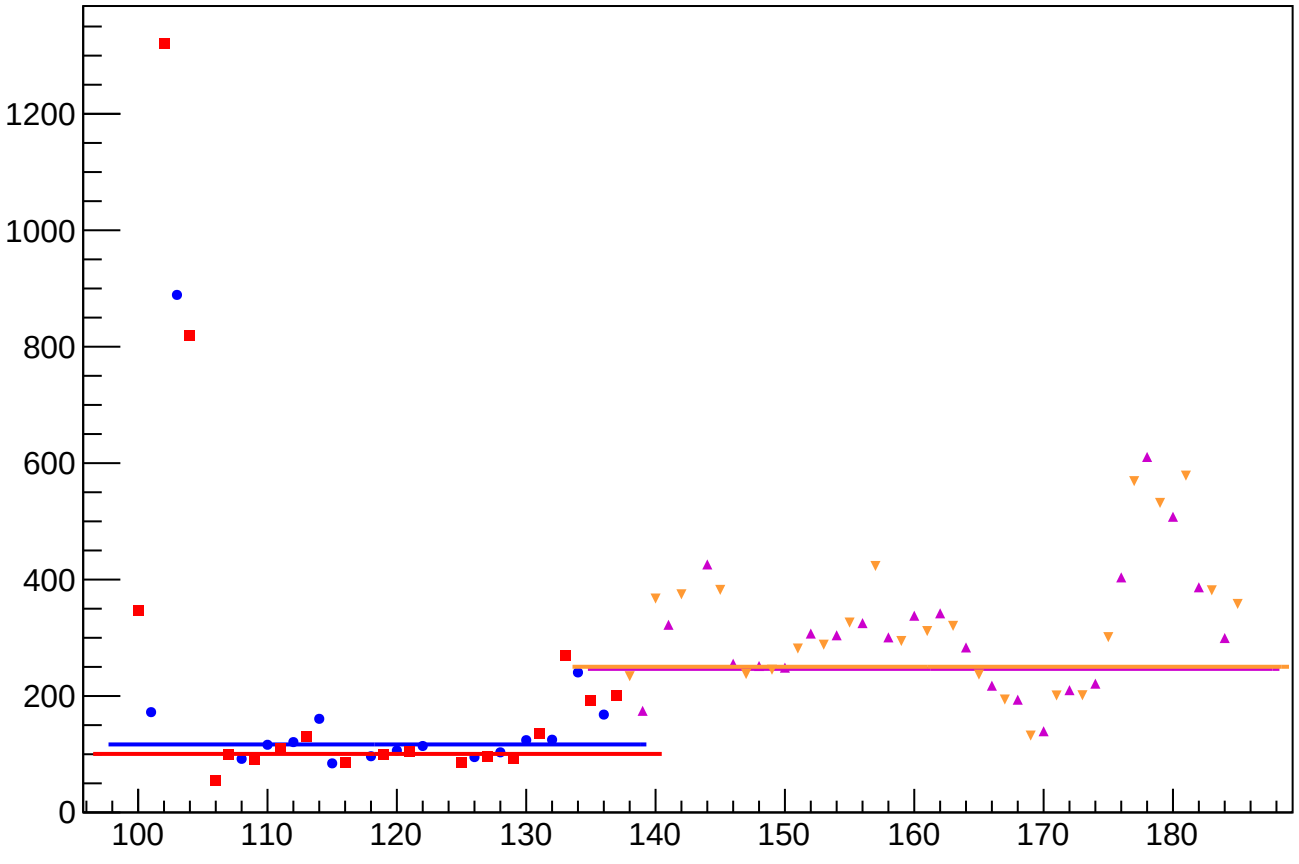
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 165.139+/-0.027 χ^2/NDF: 11693945.3/39

All: 156.309+/-0.018 χ^2/NDF: 25787998.4/80

- sign 148.545+/-0.025 χ^2/NDF: 13890150.1/40


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.032+/-0.038 χ²/NDF: 39.7/39
All: 0.007+/-0.026 χ²/NDF: 95.3/80
- sign -0.016+/-0.036 χ²/NDF: 54.7/40



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

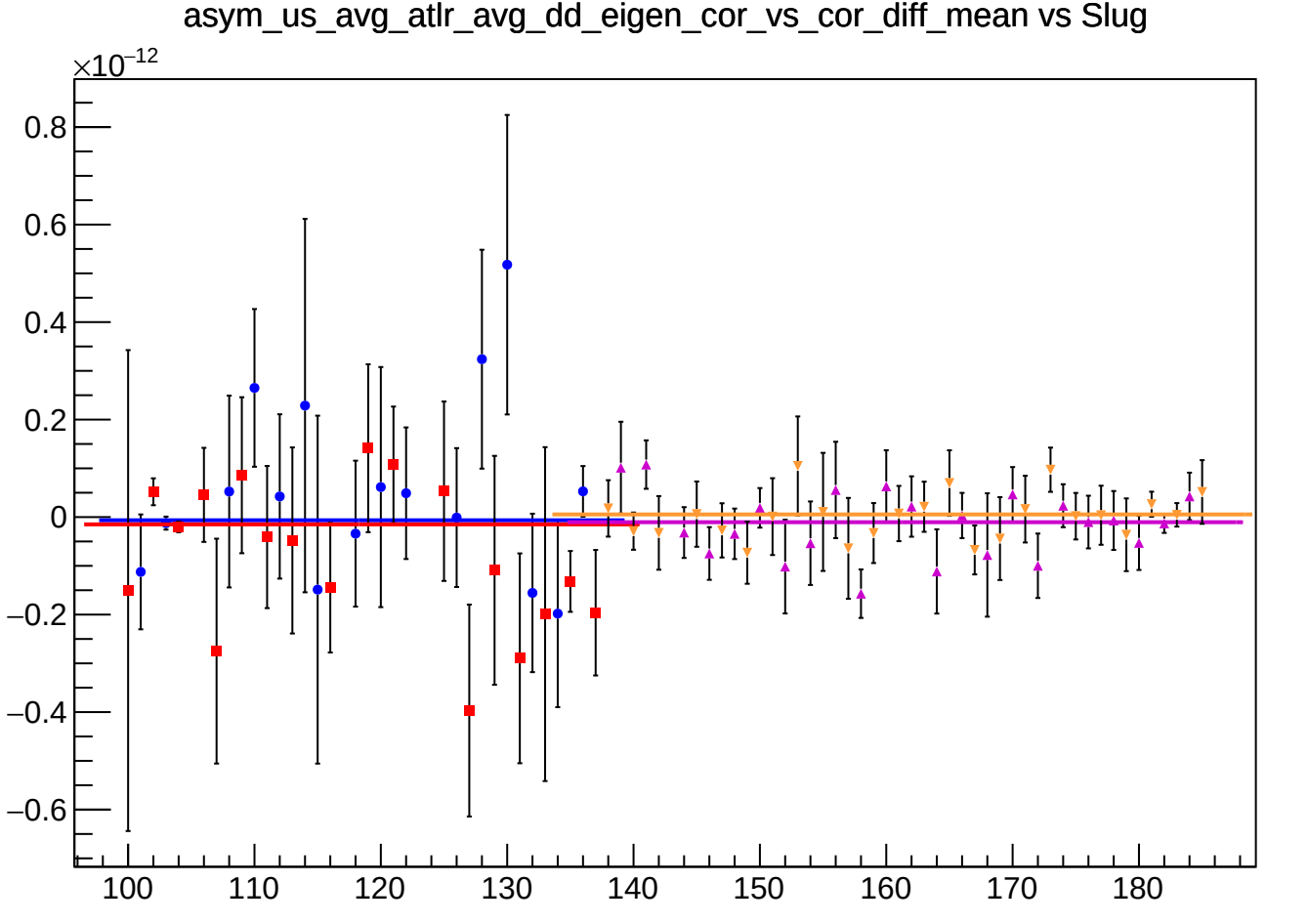
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 165.139+/-0.027 χ^2/NDF: 11693945.3/39

All: 156.309+/-0.018 χ^2/NDF: 25787998.4/80

- sign 148.545+/-0.025 χ^2/NDF: 13890150.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

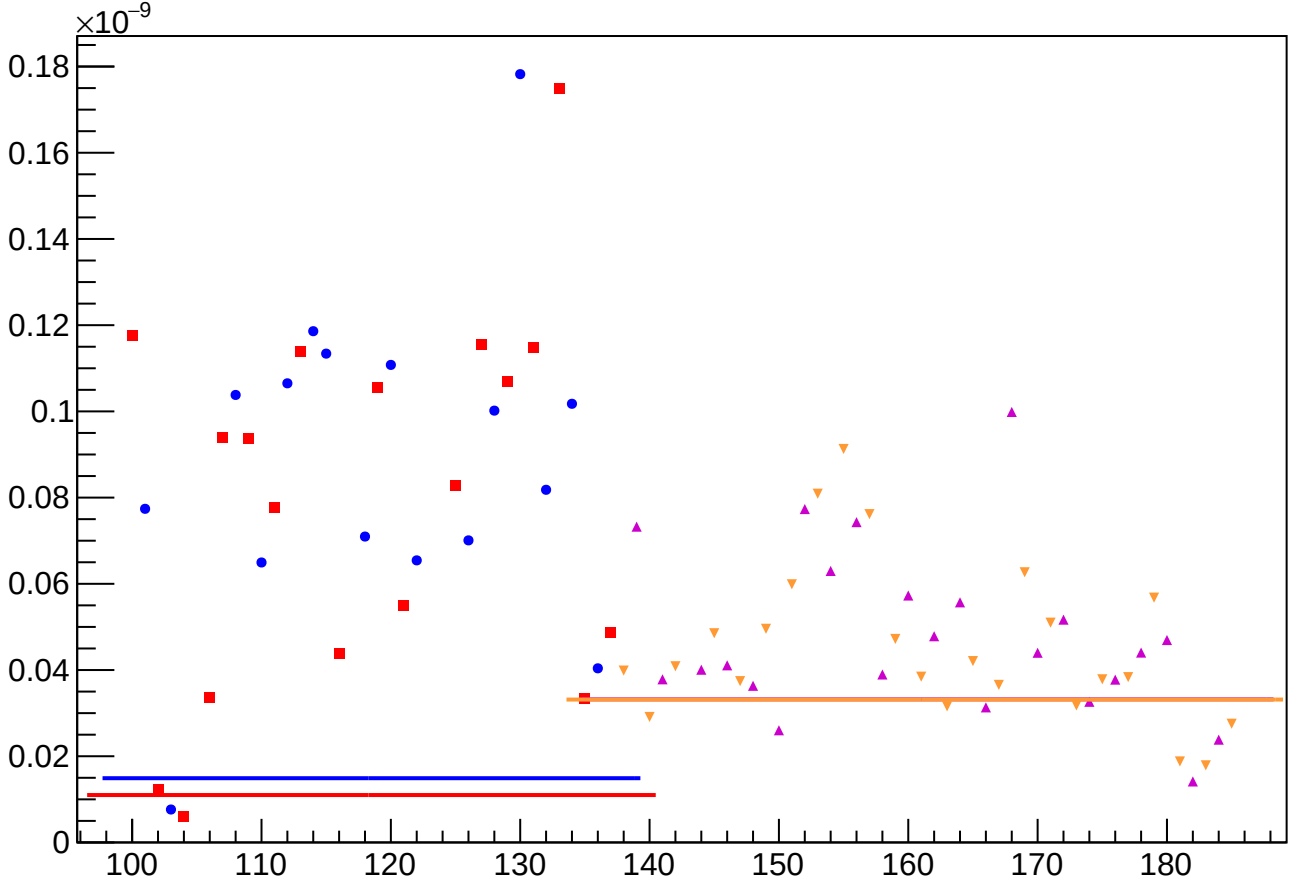
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/39

All: -0.000+/-0.000 χ^2/NDF: 78.8/80

- sign -0.000+/-0.000 χ^2/NDF: 49.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

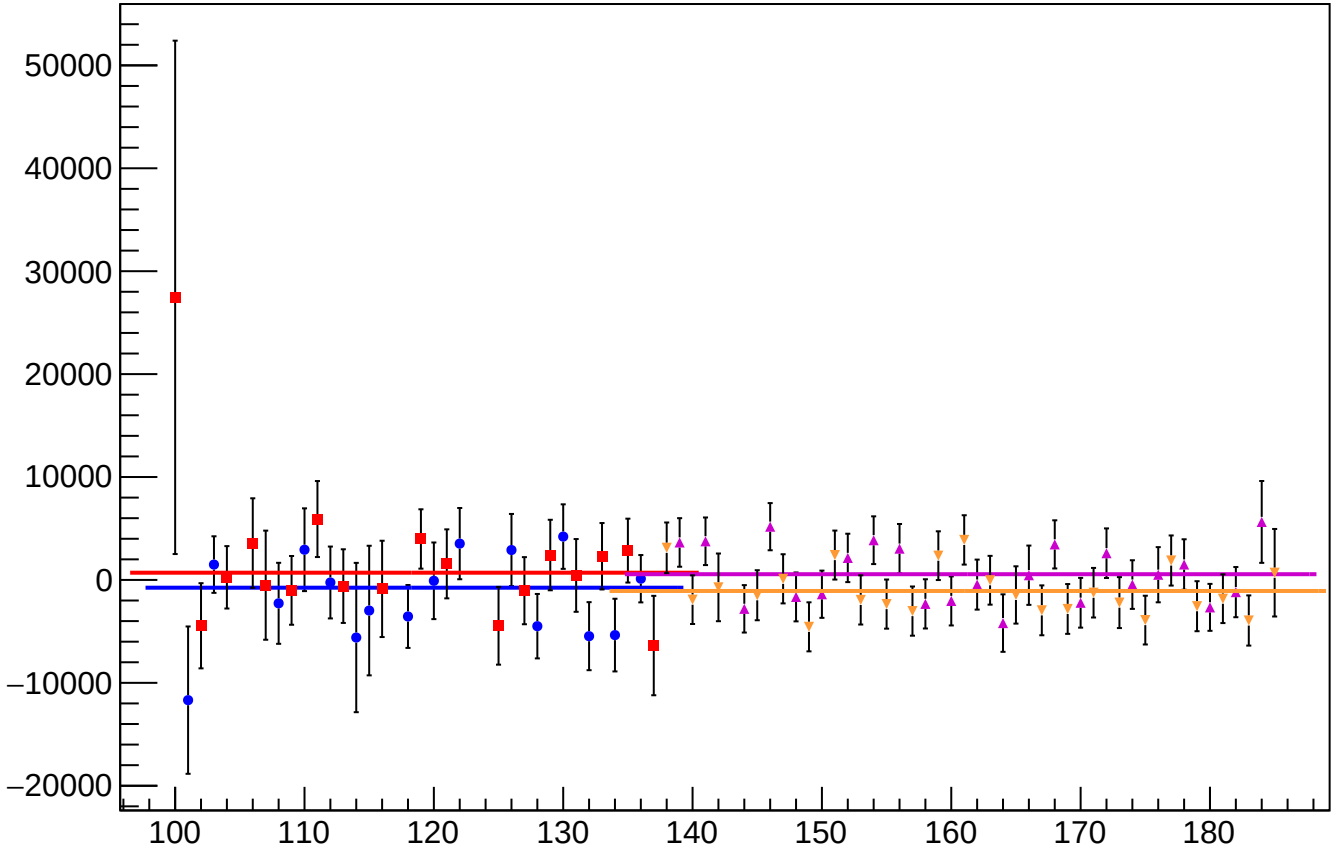
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12432444.6/39

All: 0.000+/-0.000 χ^2/NDF: 28377780.0/80

- sign 0.000+/-0.000 χ^2/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: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

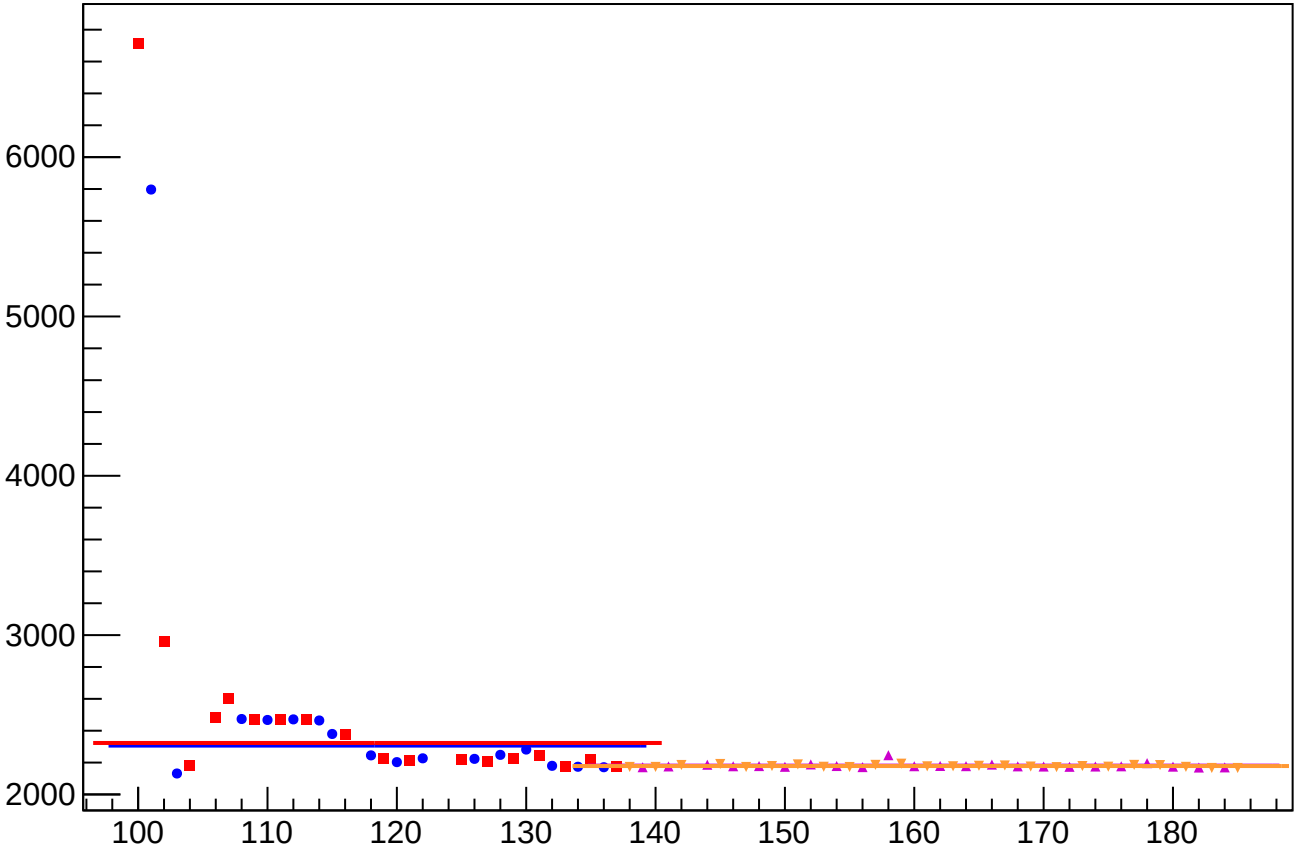
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -992.815+/-437.434 χ^2/NDF: 37.5/39

All: -202.684+/-309.968 χ^2/NDF: 85.2/80

- sign 594.174+/-439.292 χ^2/NDF: 41.1/40

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

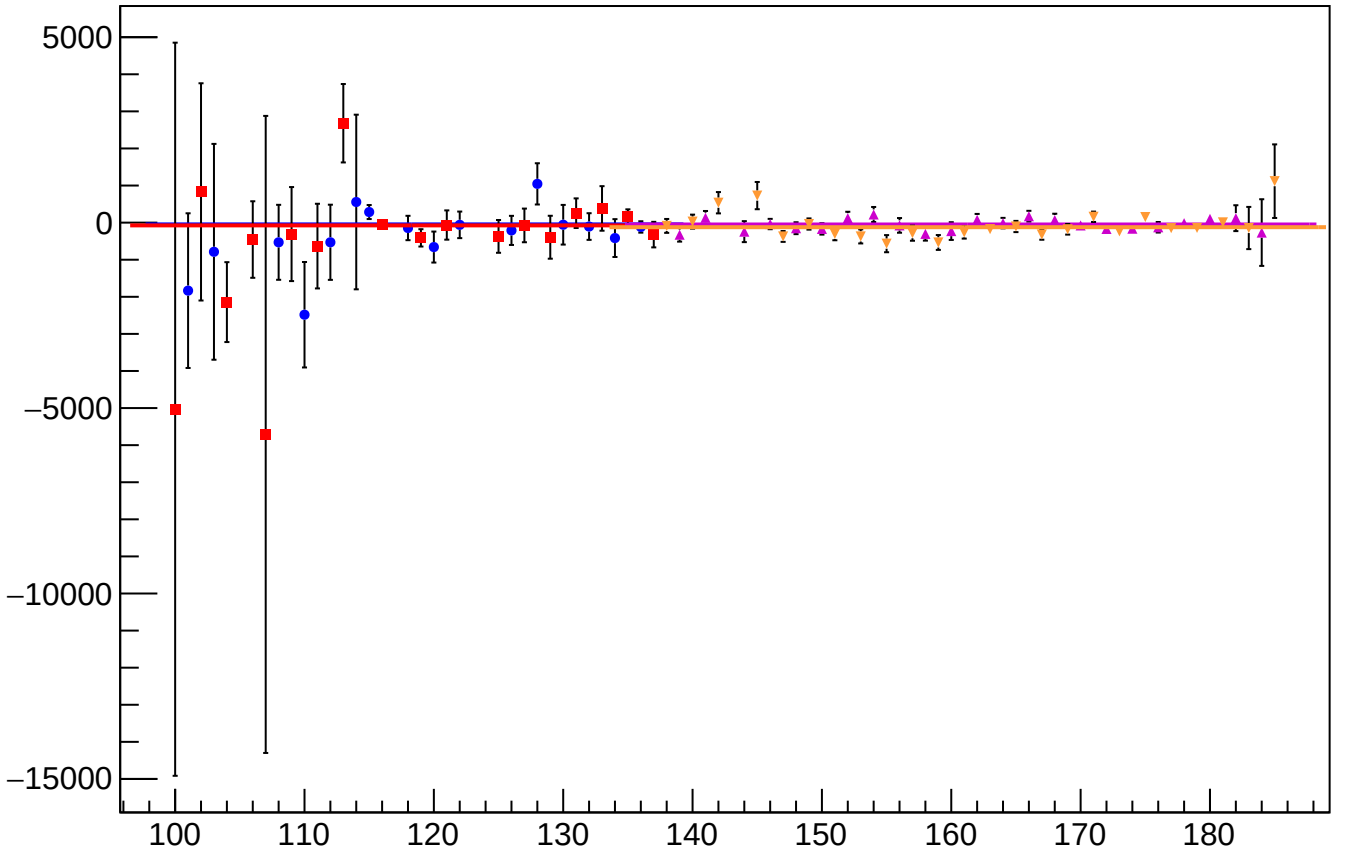
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.507+/-0.309 χ^2/NDF: 546958.1/39

All: 2213.869+/-0.219 χ^2/NDF: 740677.6/80

- 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: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

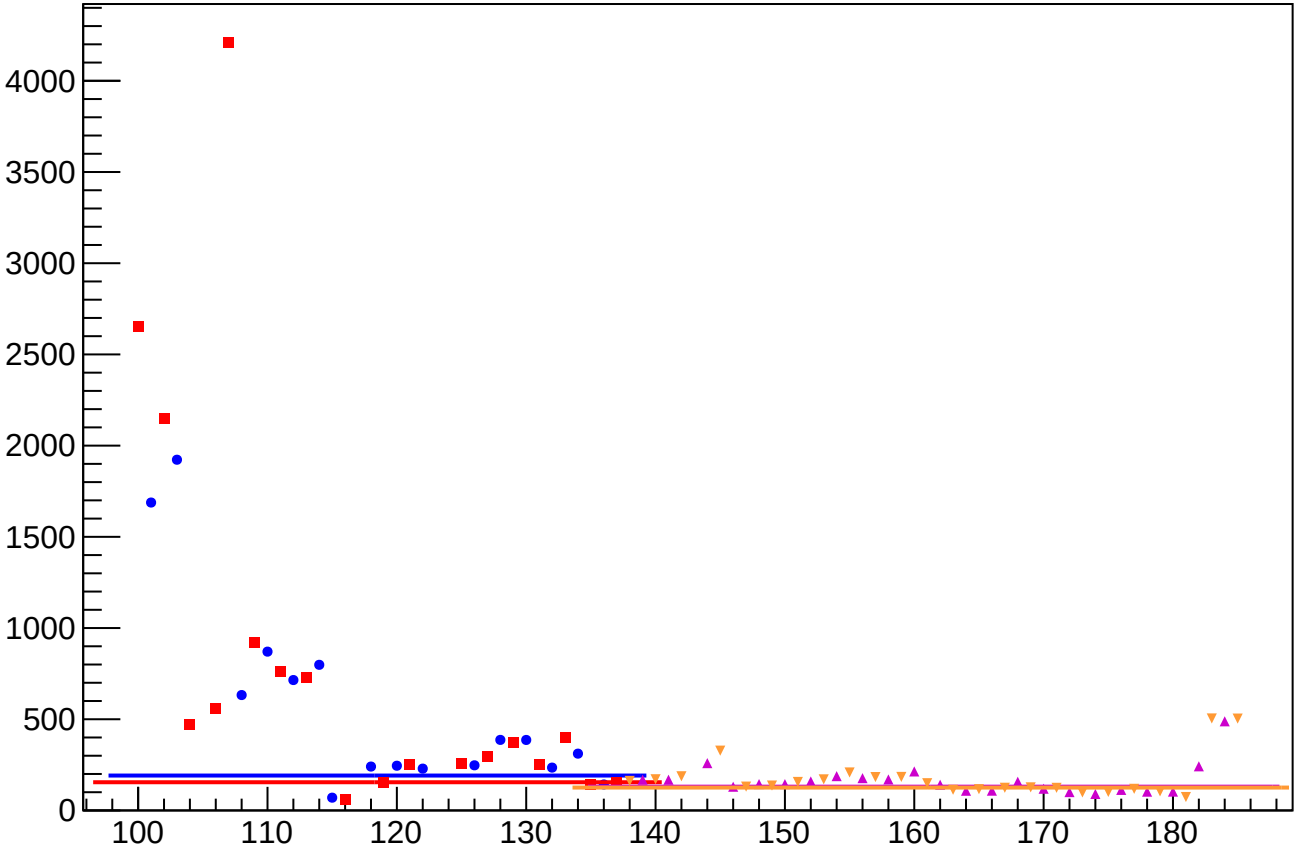
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.002+/-29.686 χ^2/NDF: 58.8/39

All: -84.868+/-21.194 χ^2/NDF: 96.8/80

- sign -53.541+/-30.269 χ^2/NDF: 35.9/40

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

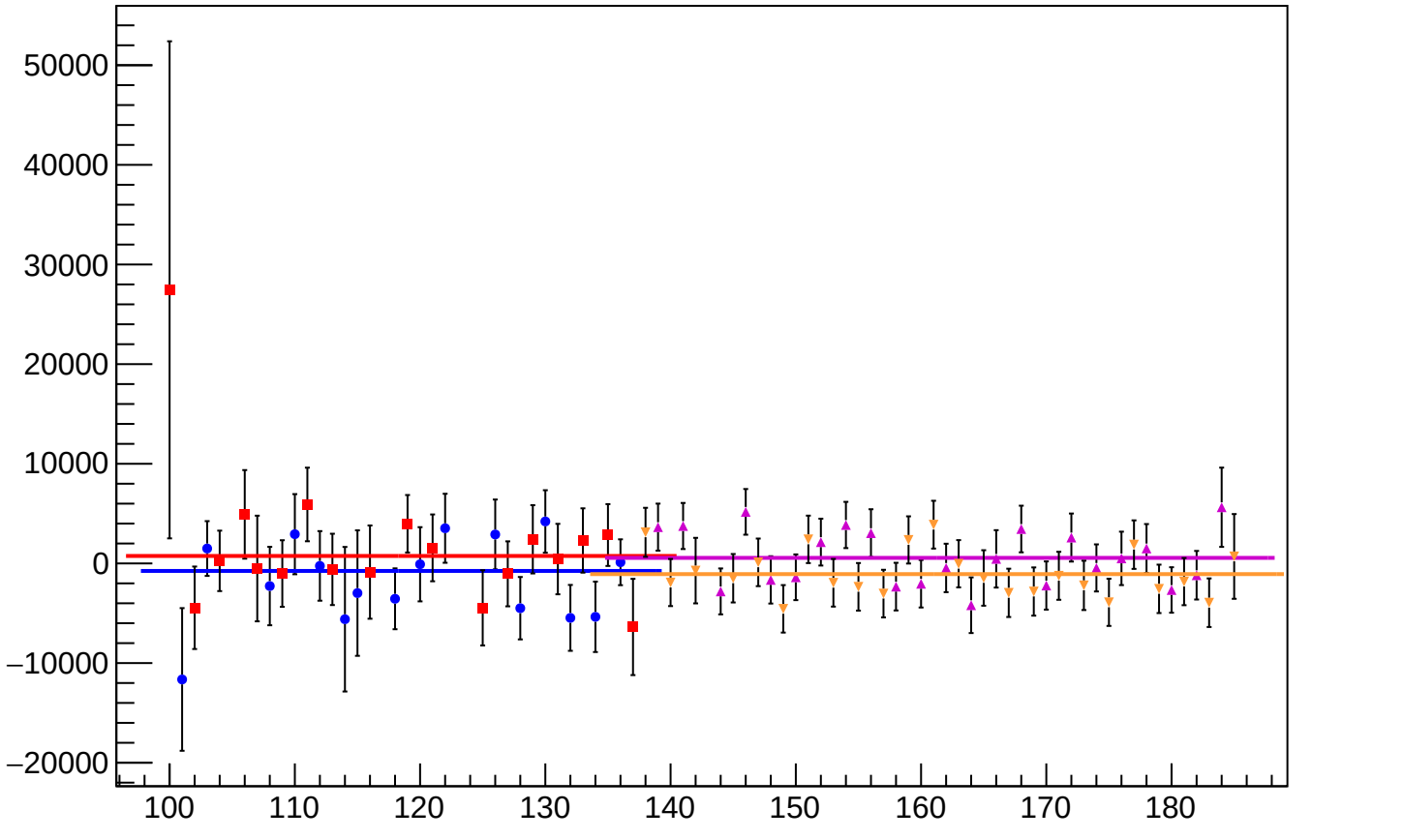
Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 132.530+/-0.021 χ^2/NDF: 9945559.3/39

All: 133.108+/-0.015 χ^2/NDF: 18930861.0/80

- sign 133.708+/-0.021 χ^2/NDF: 8983756.5/40



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

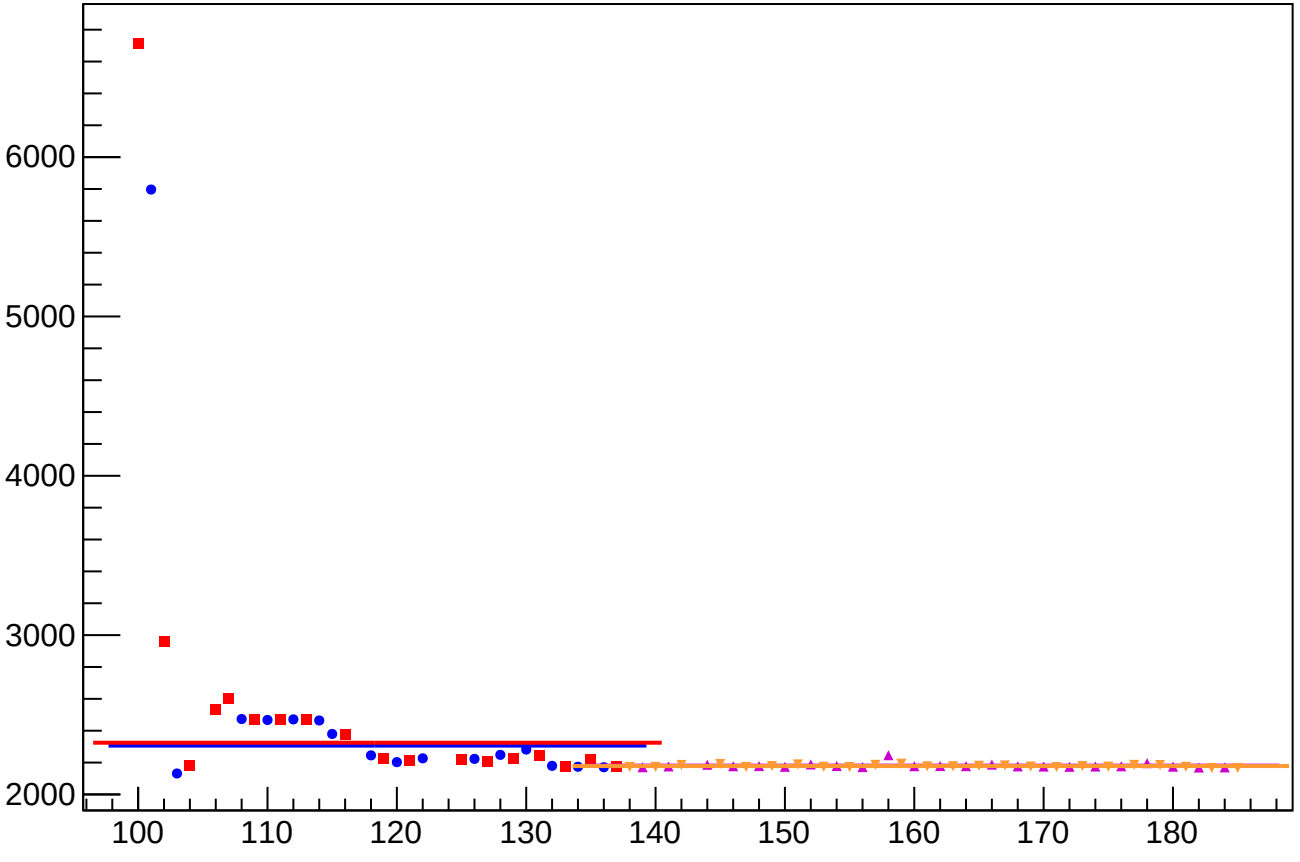
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -992.520+/-437.434 χ^2/NDF: 37.5/39

All: -196.725+/-310.000 χ^2/NDF: 85.7/80

- 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: 2178.244+/-0.357 χ^2/NDF:389.1/23

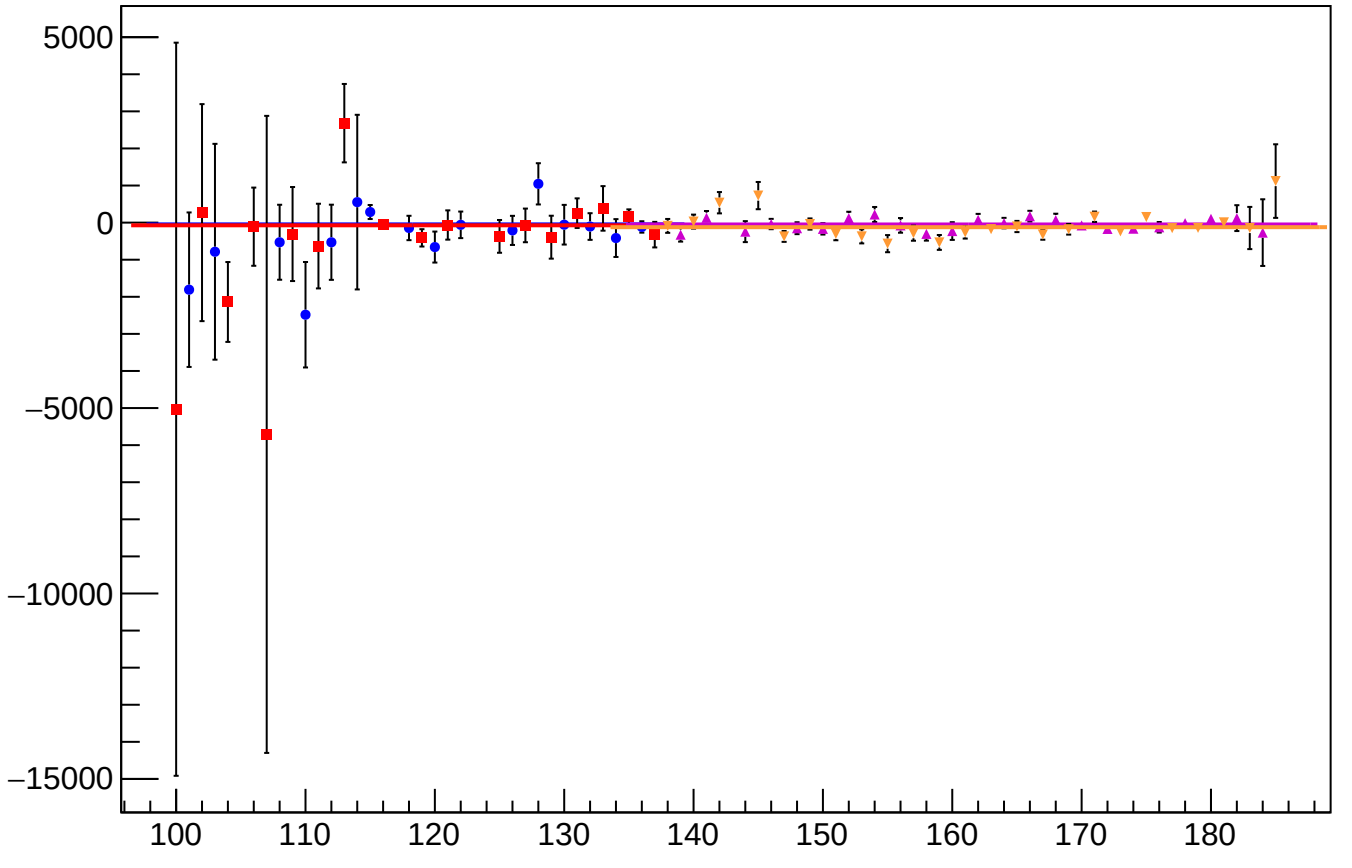
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.507+/-0.309 χ^2/NDF: 546958.4/39

All: 2214.059+/-0.219 χ^2/NDF: 743390.9/80

- 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: -122.928+/-31.408 χ^2/NDF:43.8/23

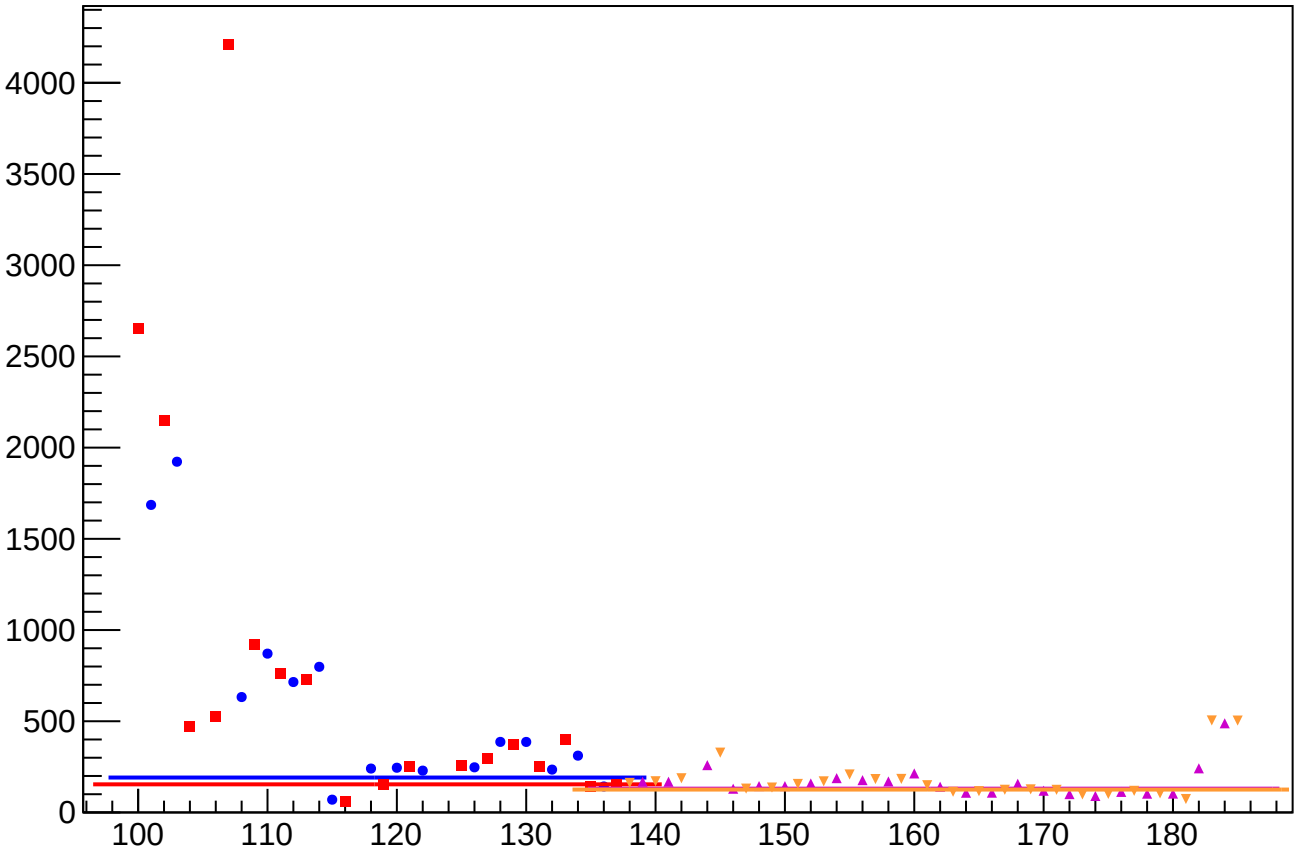
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -114.936+/-29.687 χ^2/NDF: 58.8/39

All: -84.658+/-21.194 χ^2/NDF: 96.6/80

- 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: 125.503+/-0.022 χ^2/NDF:3943570.9/23

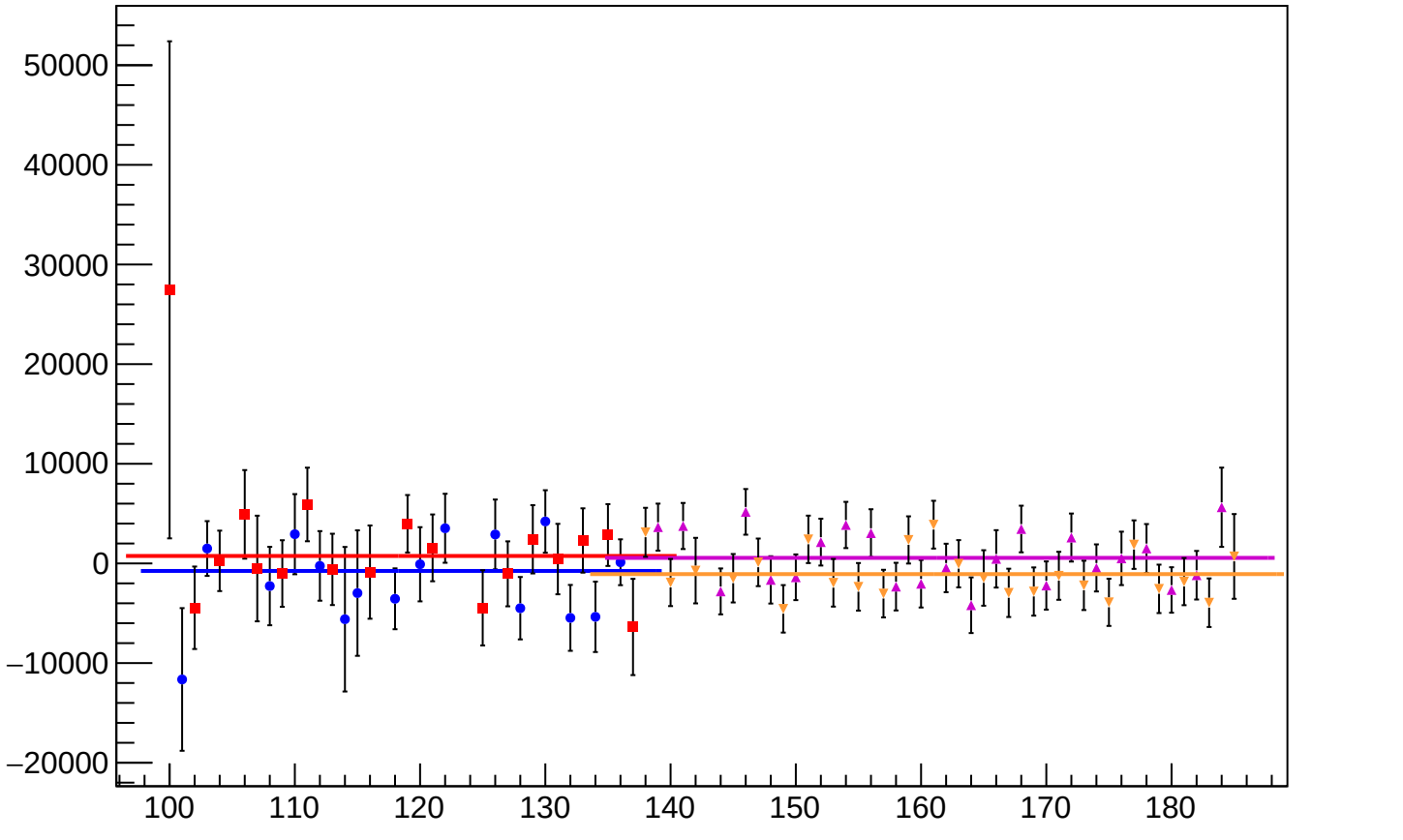
Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

\+ sign 132.528+/-0.021 χ^2/NDF: 9945938.2/39

All: 133.079+/-0.015 χ^2/NDF: 18878365.9/80

\- 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: -1072.795+/-505.534 χ^2/NDF:21.6/23

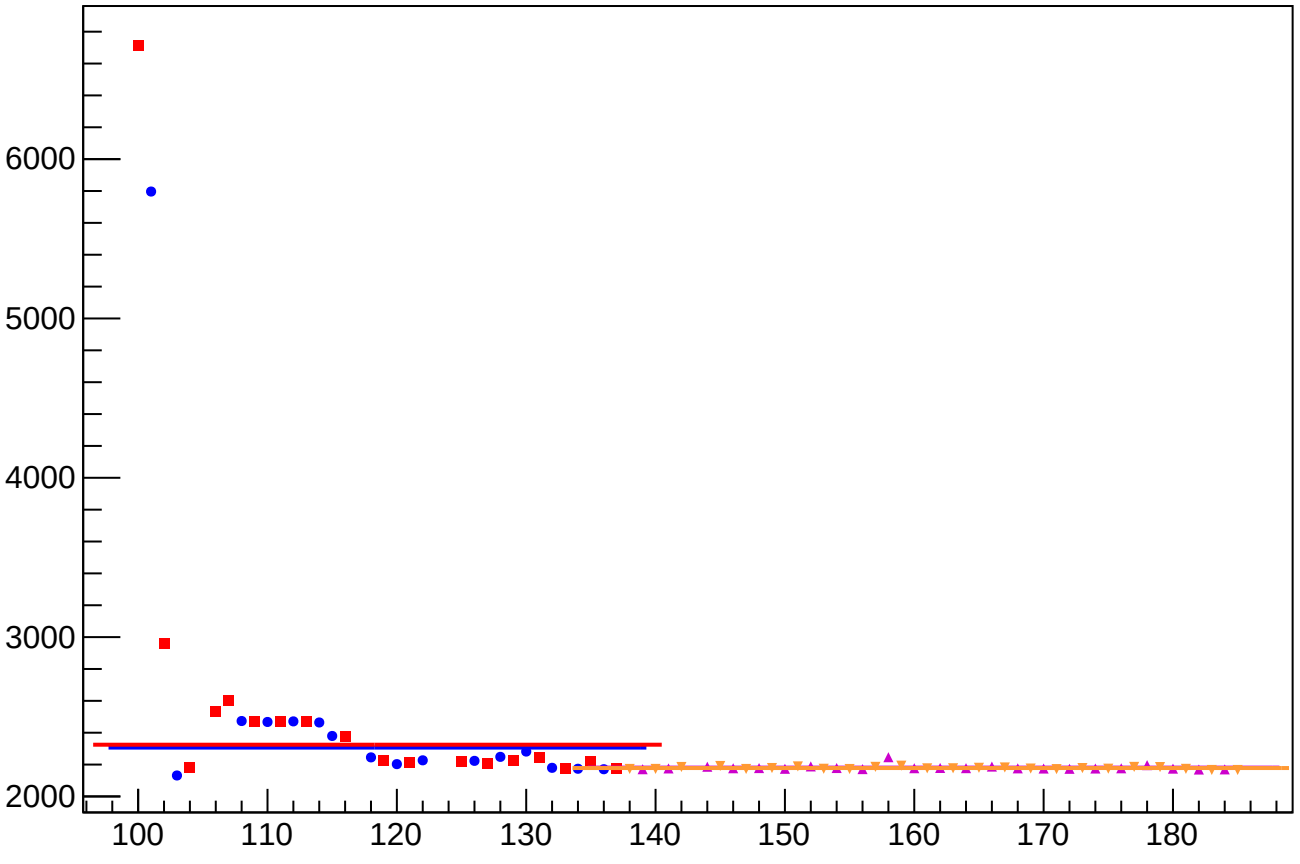
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -992.520+/-437.434 χ^2/NDF: 37.5/39

All: -196.725+/-310.000 χ^2/NDF: 85.7/80

- sign 606.184+/-439.385 χ^2/NDF: 41.5/40



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

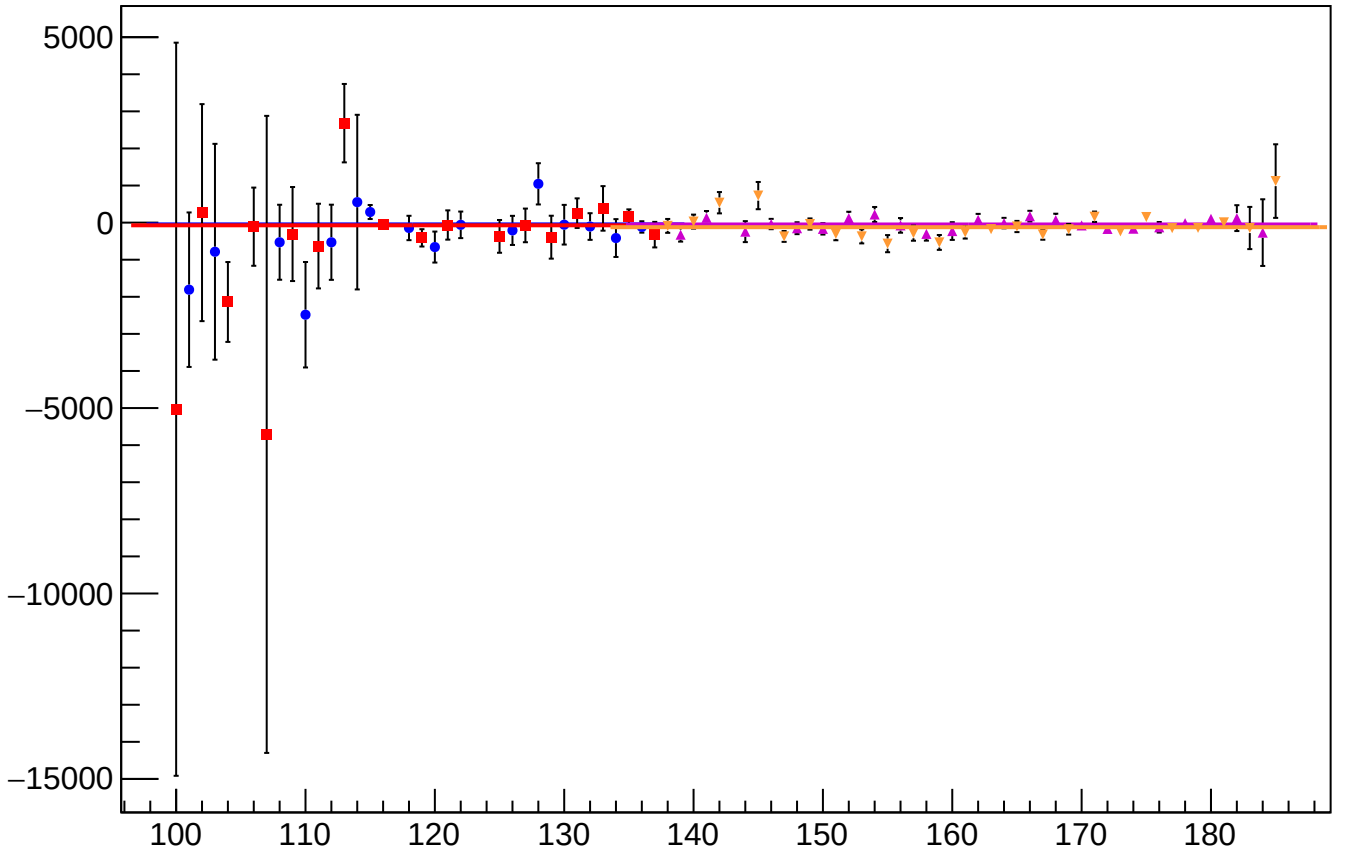
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.507+/-0.309 χ^2/NDF: 546958.4/39

All: 2214.059+/-0.219 χ^2/NDF: 743390.9/80

- 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: -122.928+/-31.408 χ^2/NDF:43.8/23

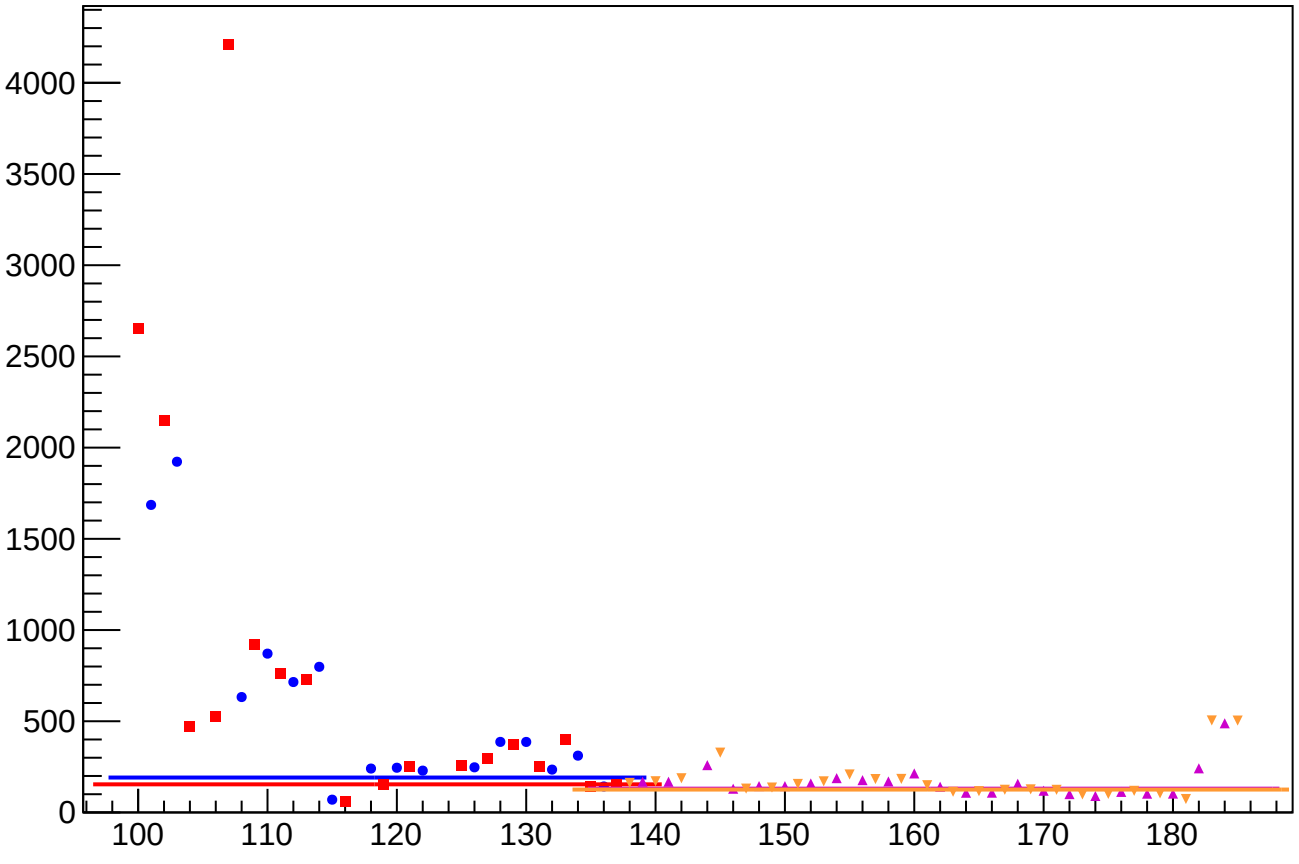
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -114.936+/-29.687 χ^2/NDF: 58.8/39

All: -84.658+/-21.194 χ^2/NDF: 96.6/80

- 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: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

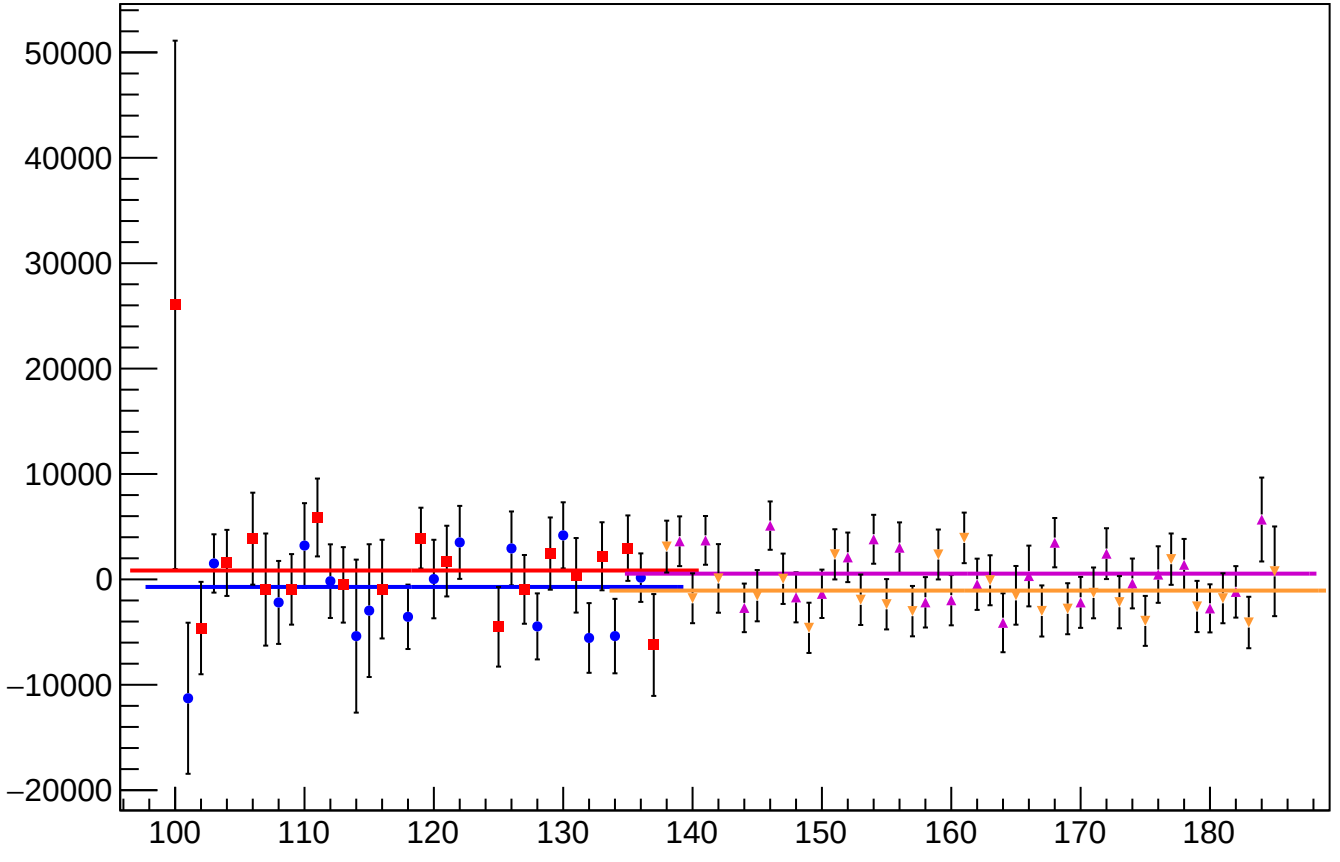
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.528+/-0.021 χ^2/NDF: 9945938.2/39

All: 133.079+/-0.015 χ^2/NDF: 18878365.9/80

- 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: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

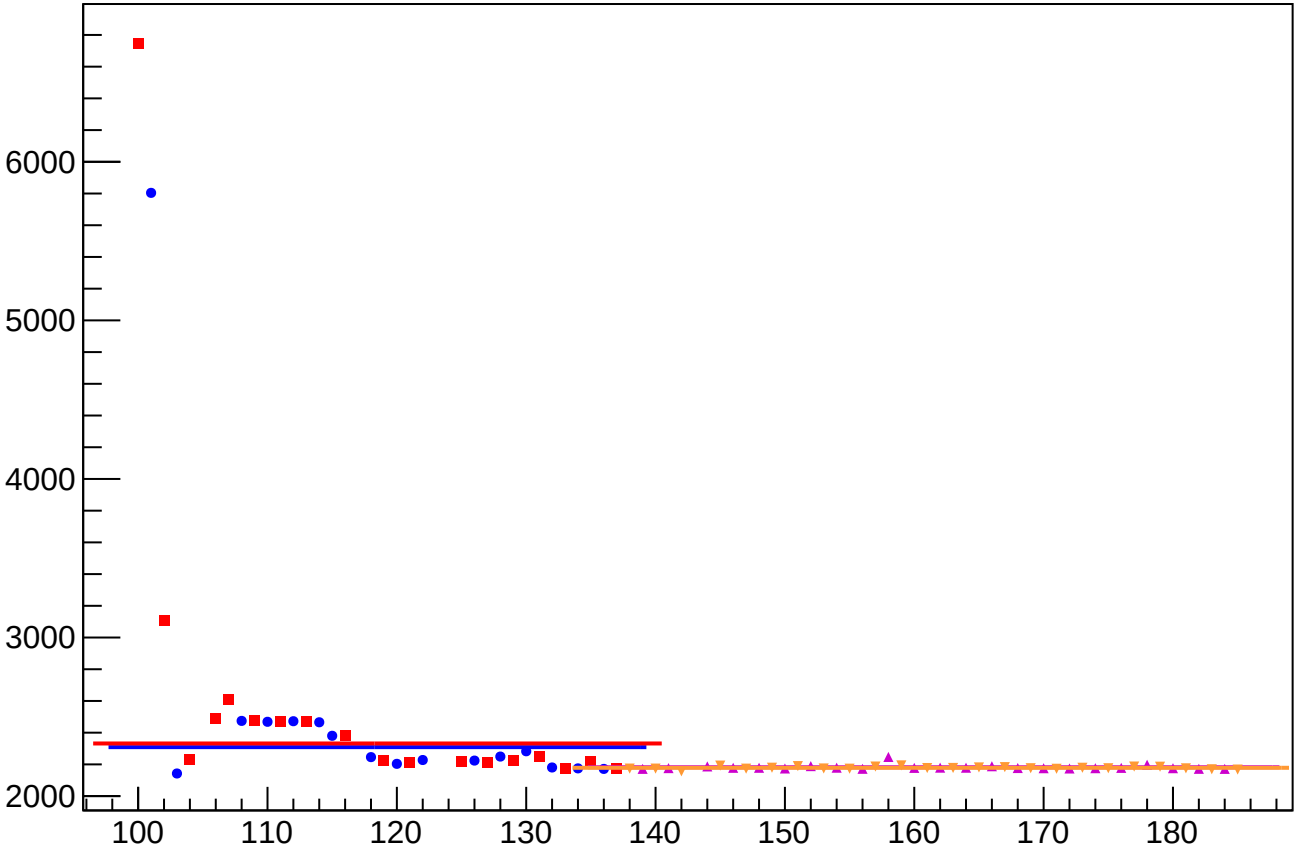
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -975.732+/-437.606 χ^2/NDF: 37.9/39

All: -182.422+/-310.302 χ^2/NDF: 84.6/80

- 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: 2178.503+/-0.358 χ^2/NDF:456.1/23

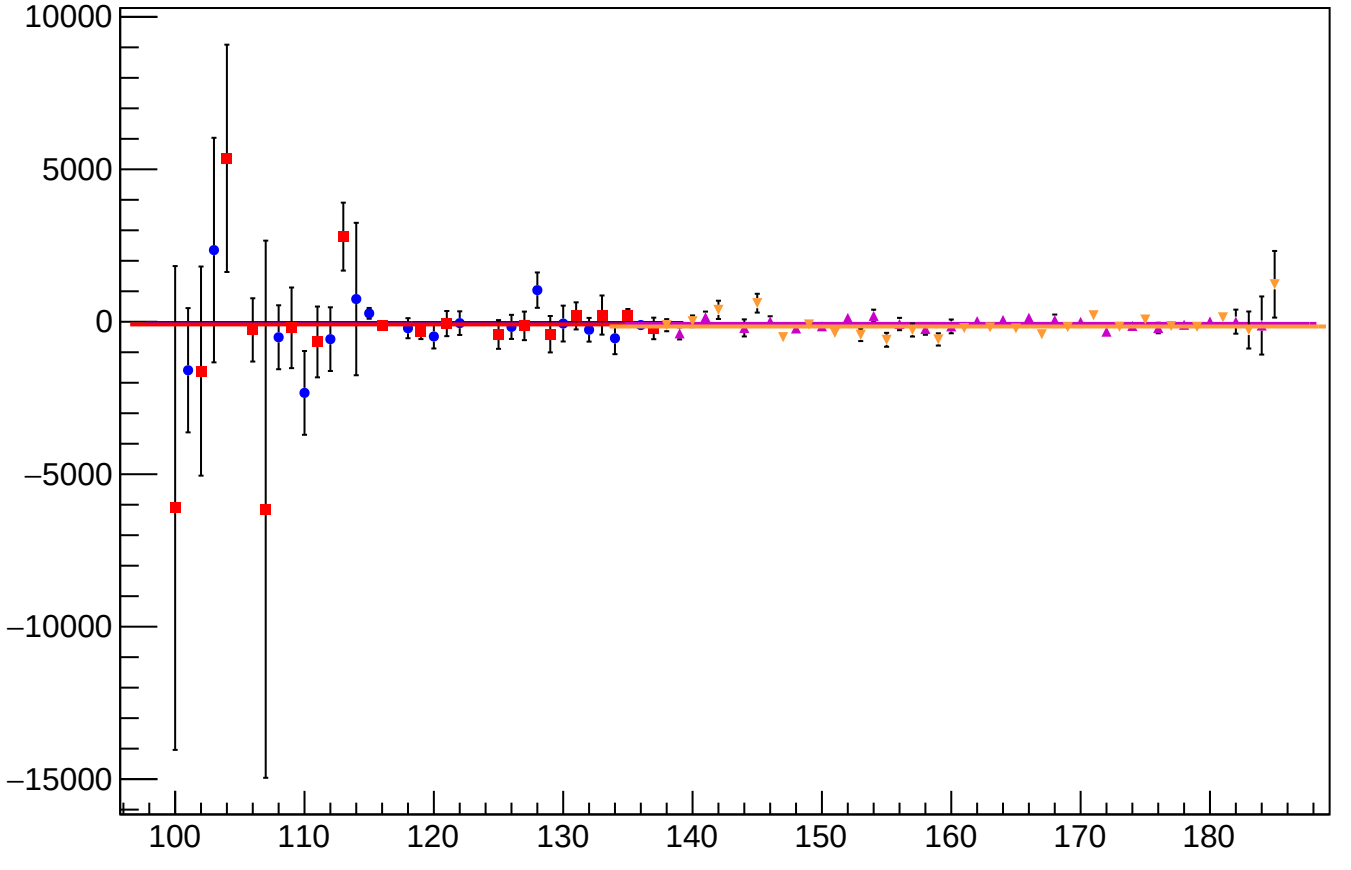
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2211.187+/-0.309 χ^2/NDF: 547497.5/39

All: 2215.539+/-0.219 χ^2/NDF: 761038.1/80

- 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: -154.725+/-34.061 χ^2/NDF:47.3/23

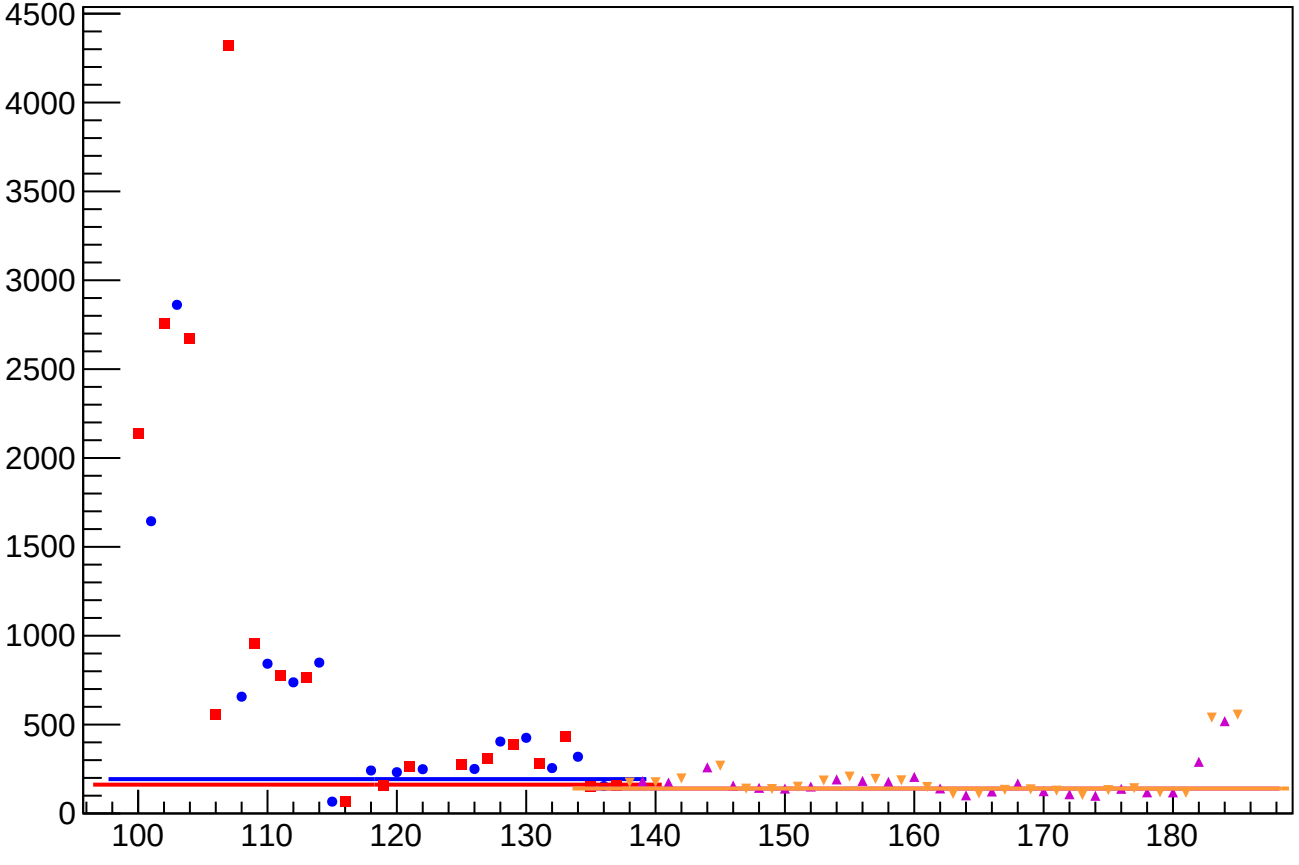
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.017+/-31.959 χ^2/NDF: 62.7/39

All: -106.502+/-22.537 χ^2/NDF: 99.0/80

- sign -72.355+/-31.787 χ^2/NDF: 33.9/40



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

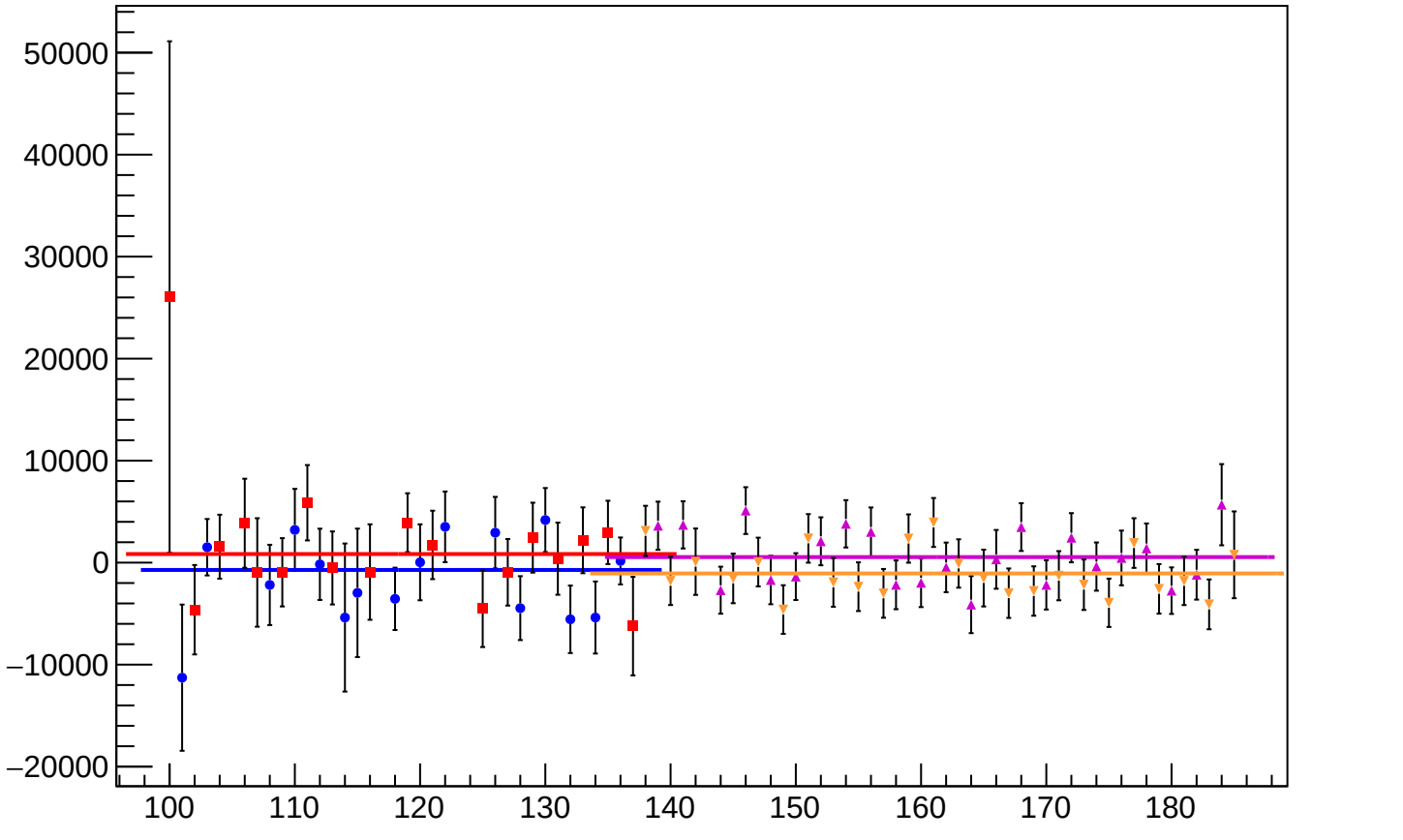
Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 146.650+/-0.023 χ^2/NDF: 8955947.6/39

All: 144.813+/-0.016 χ^2/NDF: 18566232.5/80

- 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: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

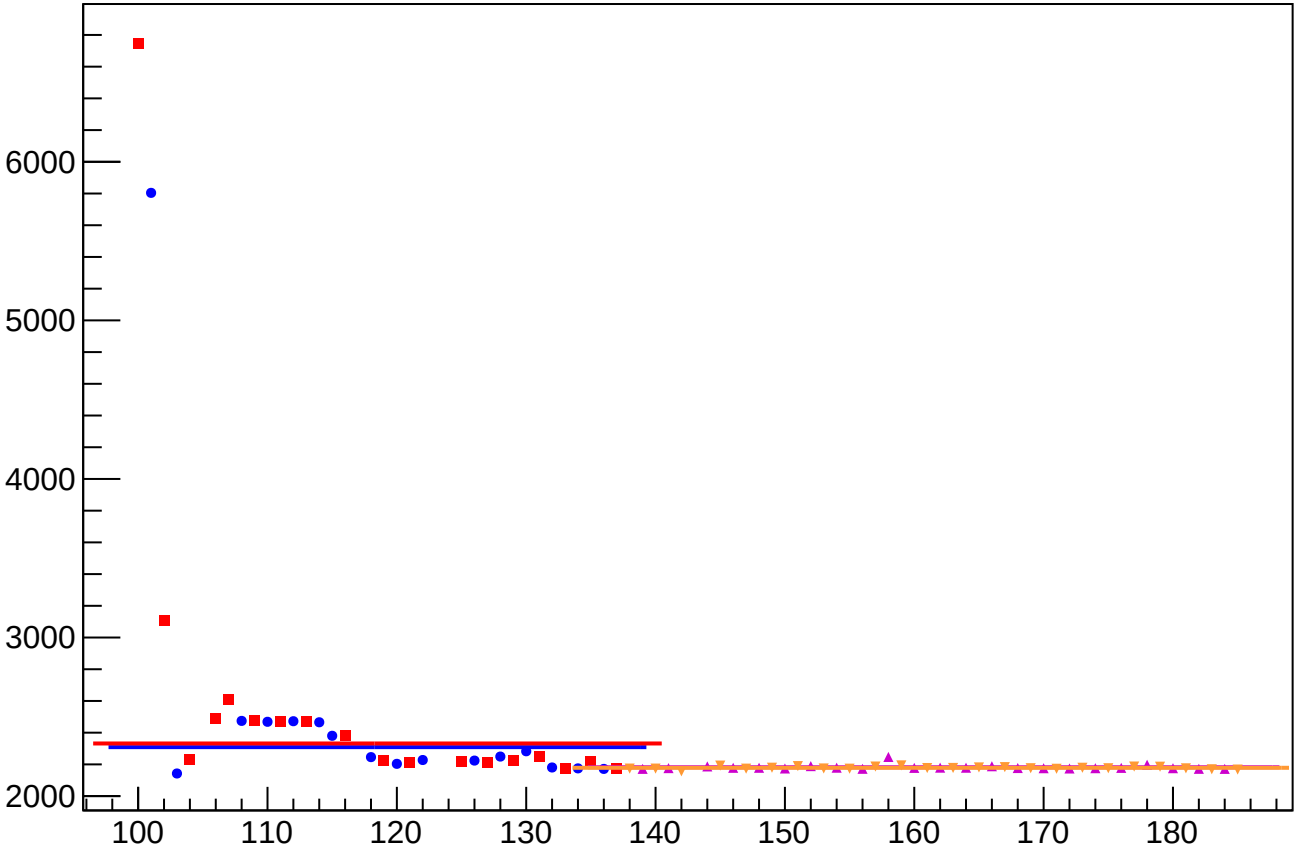
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -975.733+/-437.606 χ^2/NDF: 37.9/39

All: -182.422+/-310.302 χ^2/NDF: 84.6/80

- 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: 2178.503+/-0.358 χ^2/NDF:456.1/23

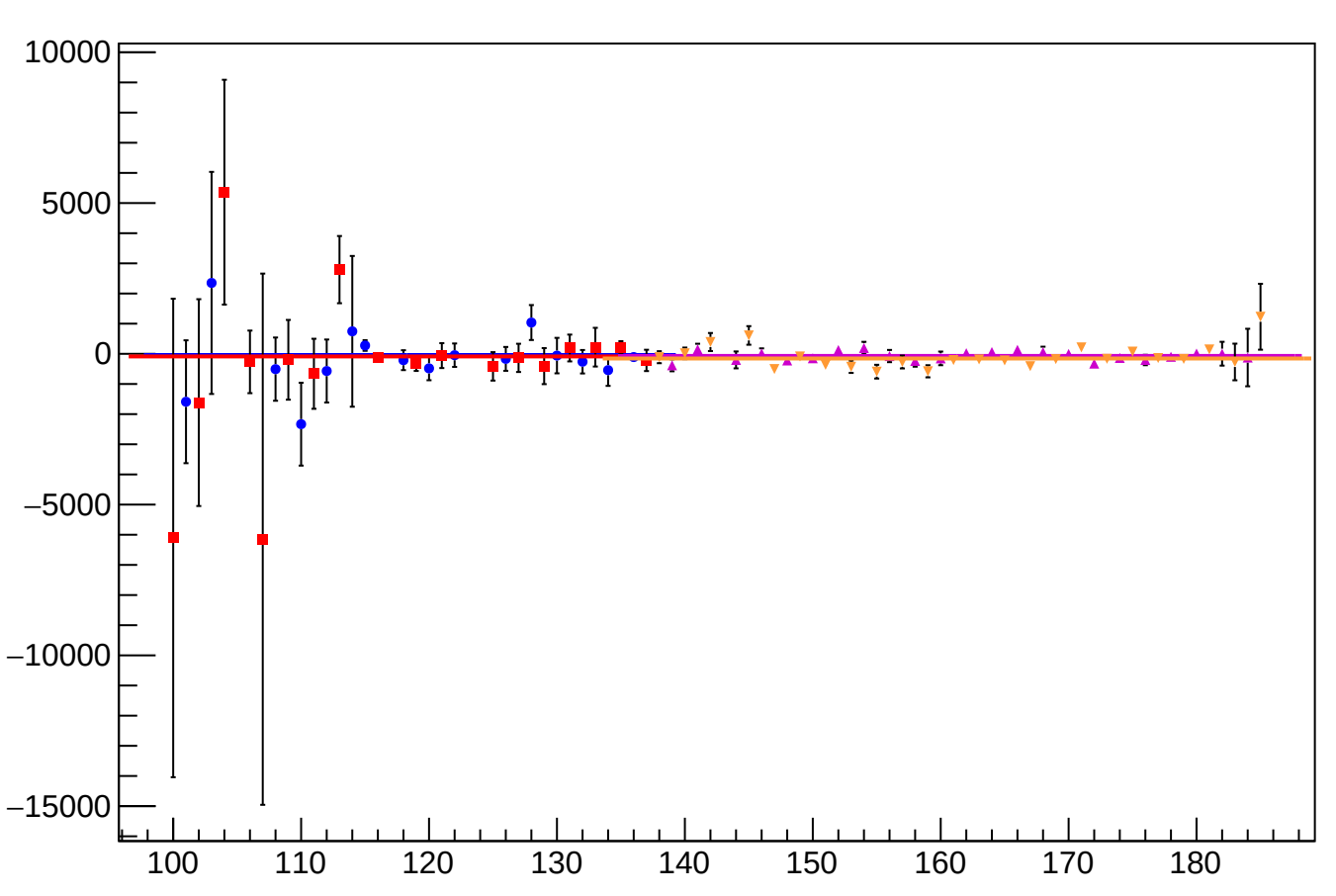
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2211.187+/-0.309 χ^2/NDF: 547497.5/39

All: 2215.539+/-0.219 χ^2/NDF: 761038.0/80

- 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: -154.726+/-34.061 χ^2/NDF:47.3/23

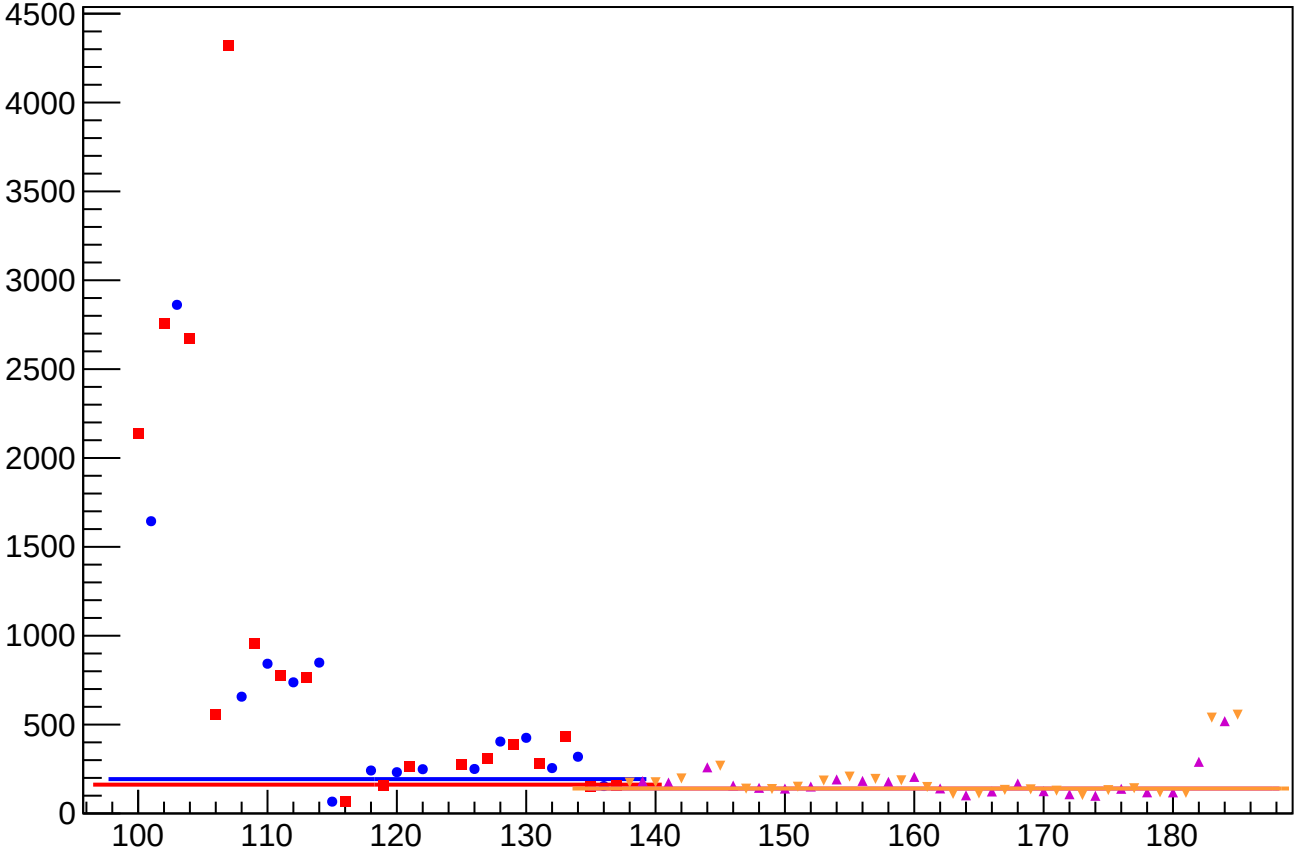
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.018+/-31.959 χ^2/NDF: 62.7/39

All: -106.501+/-22.537 χ^2/NDF: 99.0/80

- 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: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

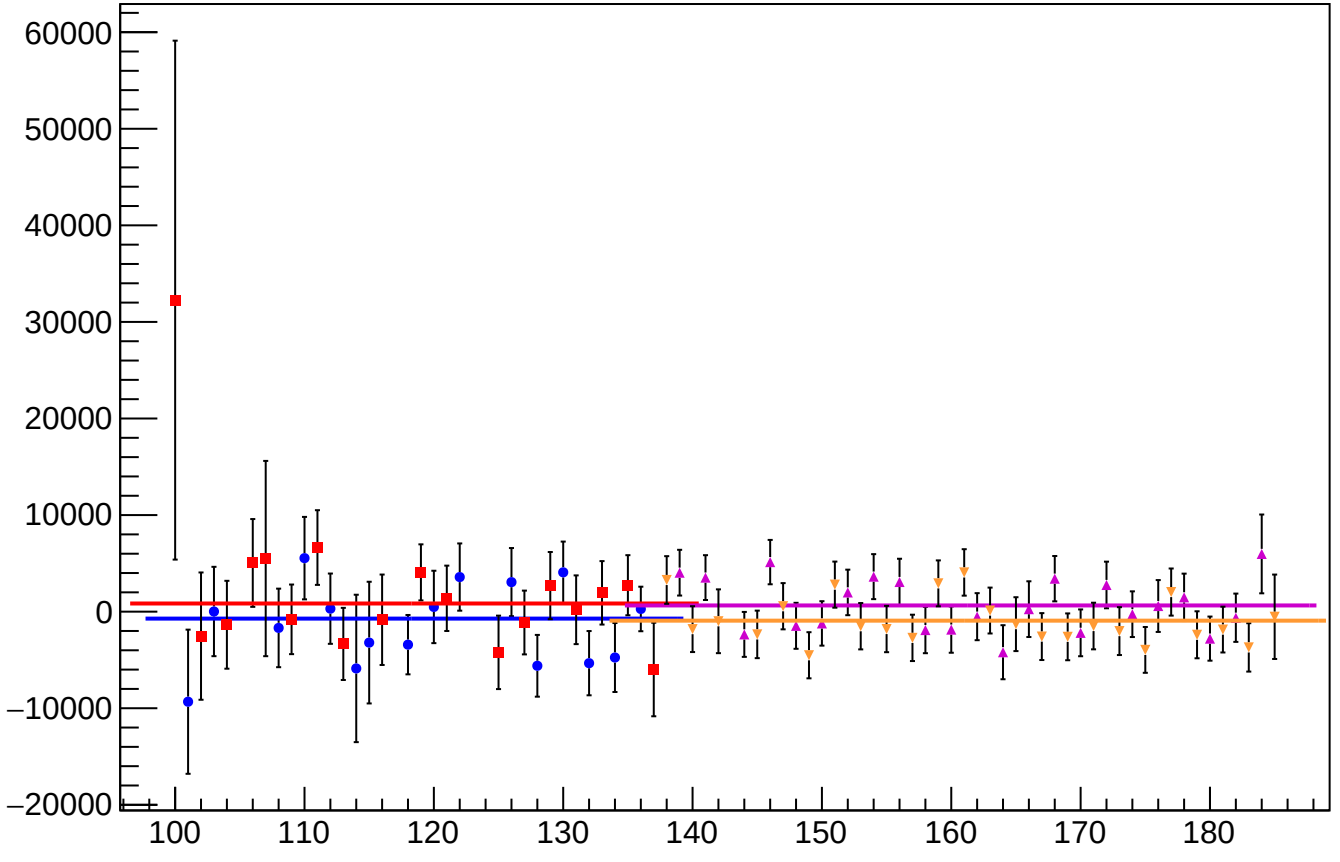
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 146.650+/-0.023 χ^2/NDF: 8955932.4/39

All: 144.814+/-0.016 χ^2/NDF: 18566309.2/80

- 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: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

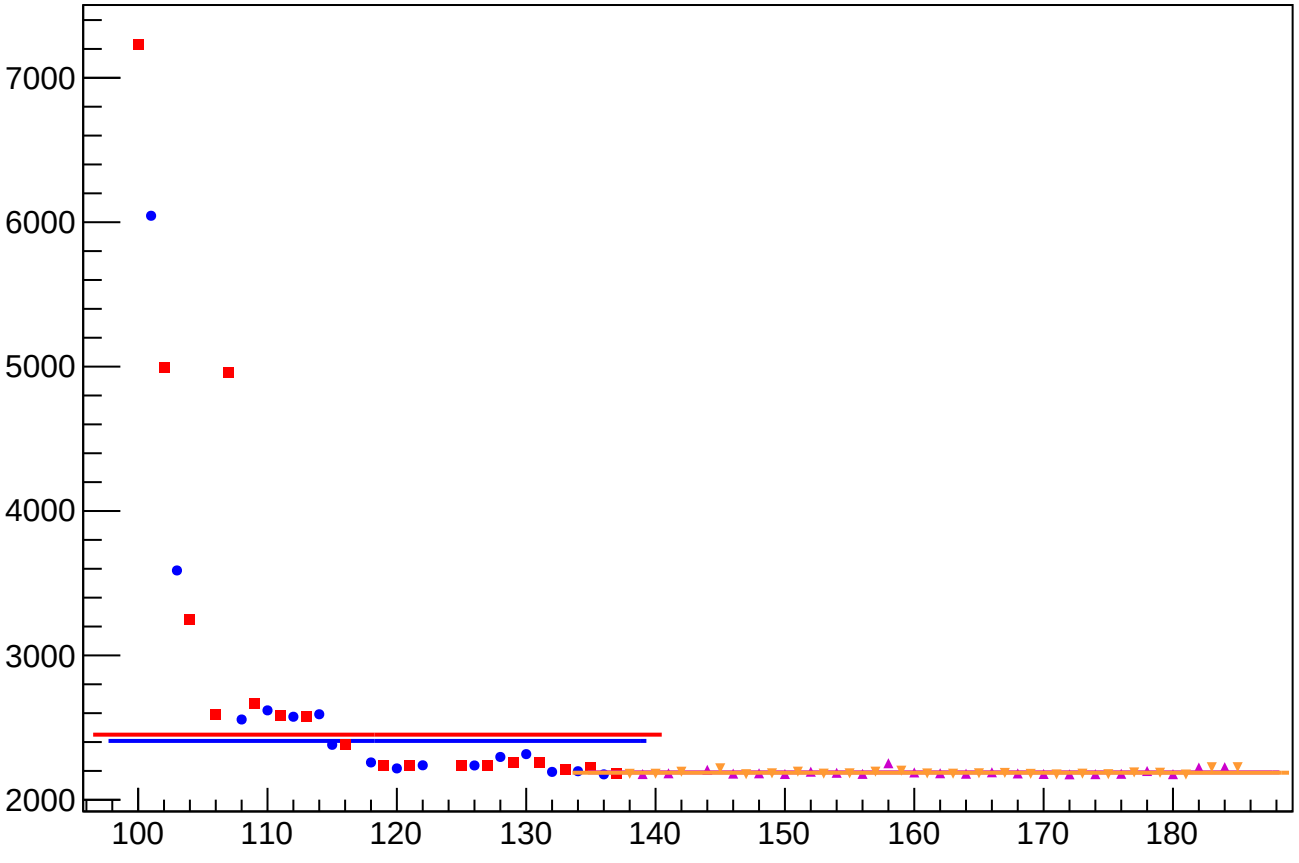
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -882.094+/-444.091 χ^2/NDF: 38.2/39

All: -102.963+/-315.376 χ^2/NDF: 84.4/80

- 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: 2187.620+/-0.359 χ^2/NDF:1342.1/23

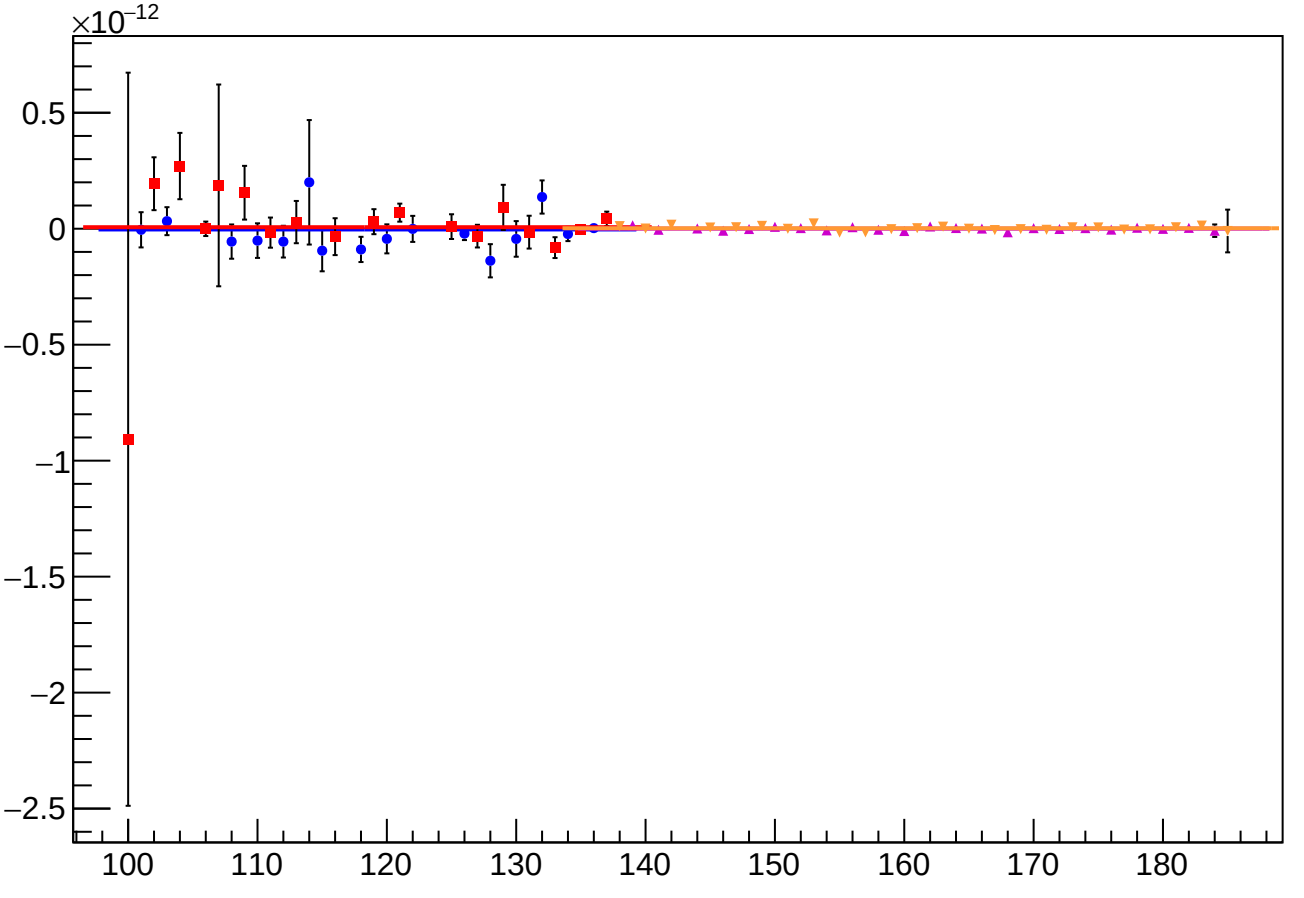
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2239.345+/-0.314 χ^2/NDF: 766594.2/39

All: 2245.069+/-0.223 χ^2/NDF: 1524644.5/80

- 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:19.4/23

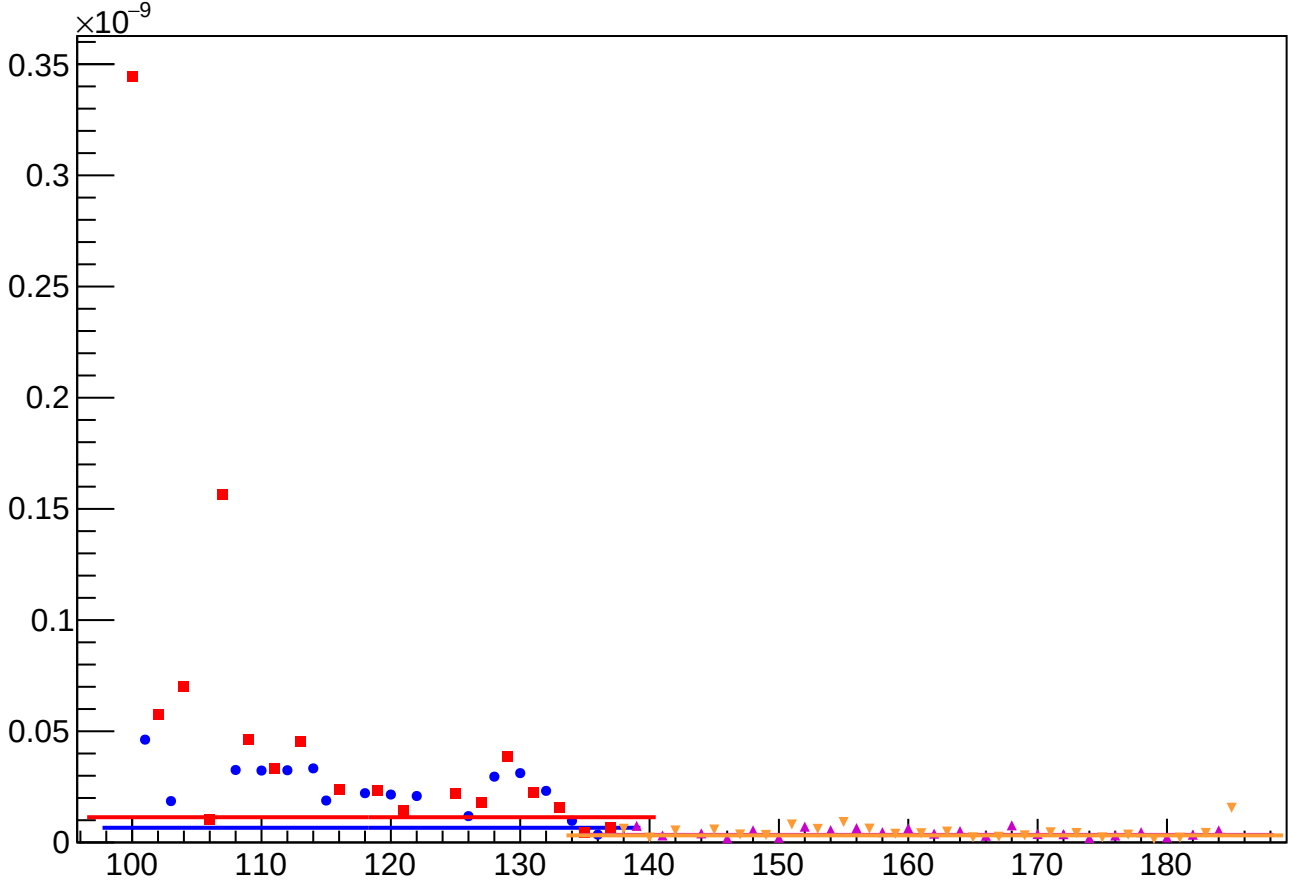
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/39

All: 0.000+/-0.000 χ^2/NDF: 68.6/80

- 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:2065501.9/23

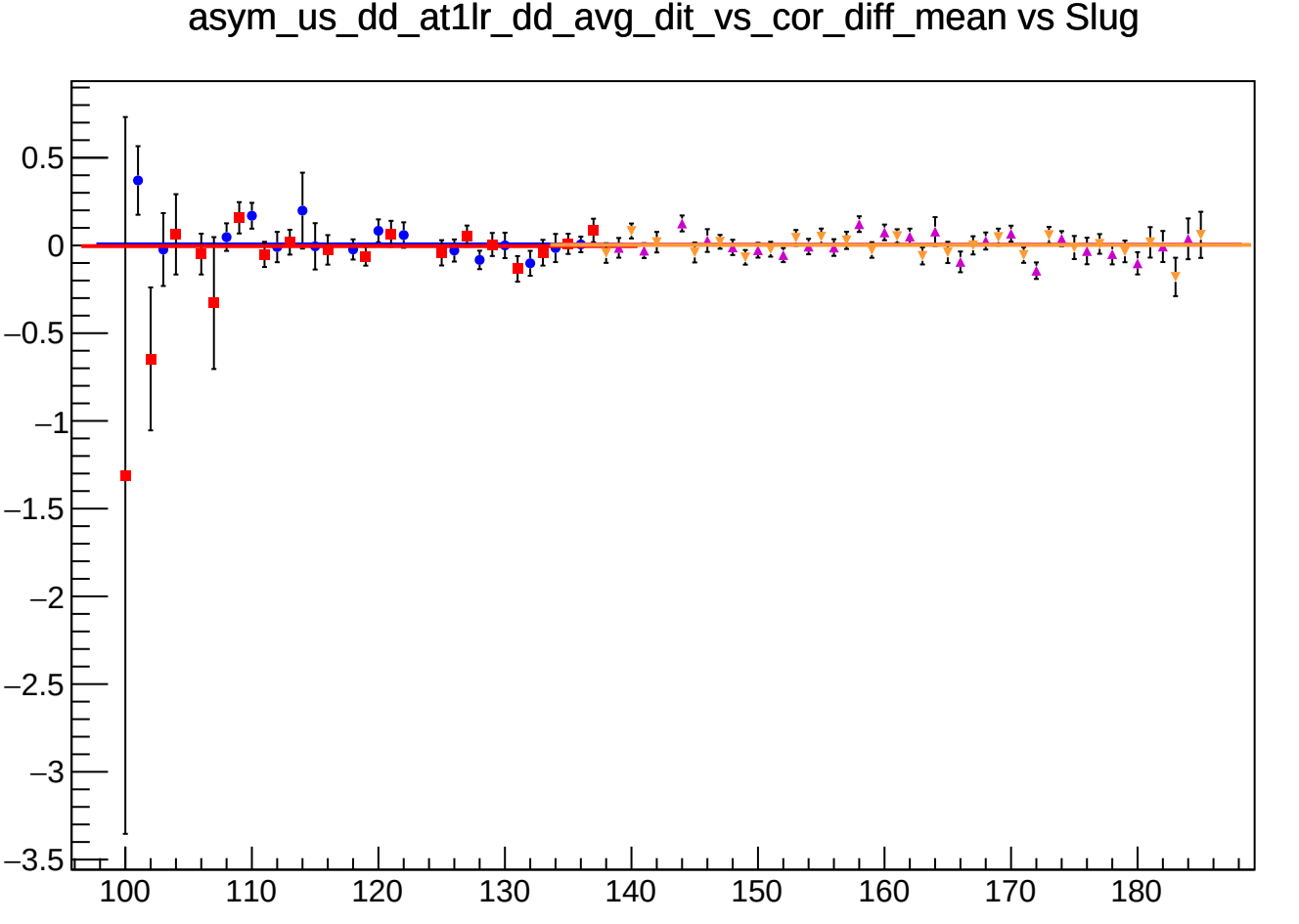
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5481311.5/39

All: 0.000+/-0.000 χ^2/NDF: 11200246.0/80

- 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:21.8/23

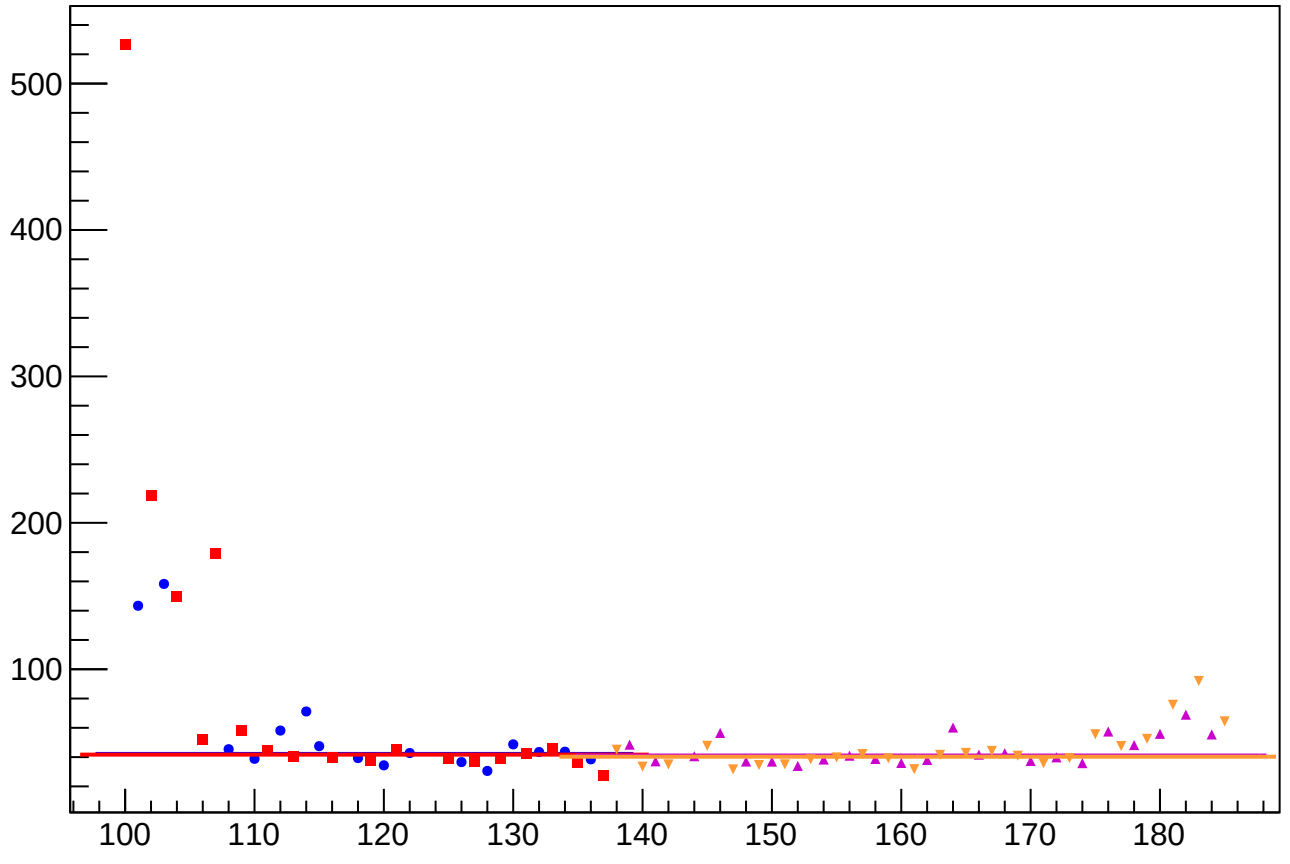
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.1/39

All: 0.003+/-0.006 χ^2/NDF: 97.0/80

- 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: 40.277+/-0.007 χ^2/NDF:1489065.3/23

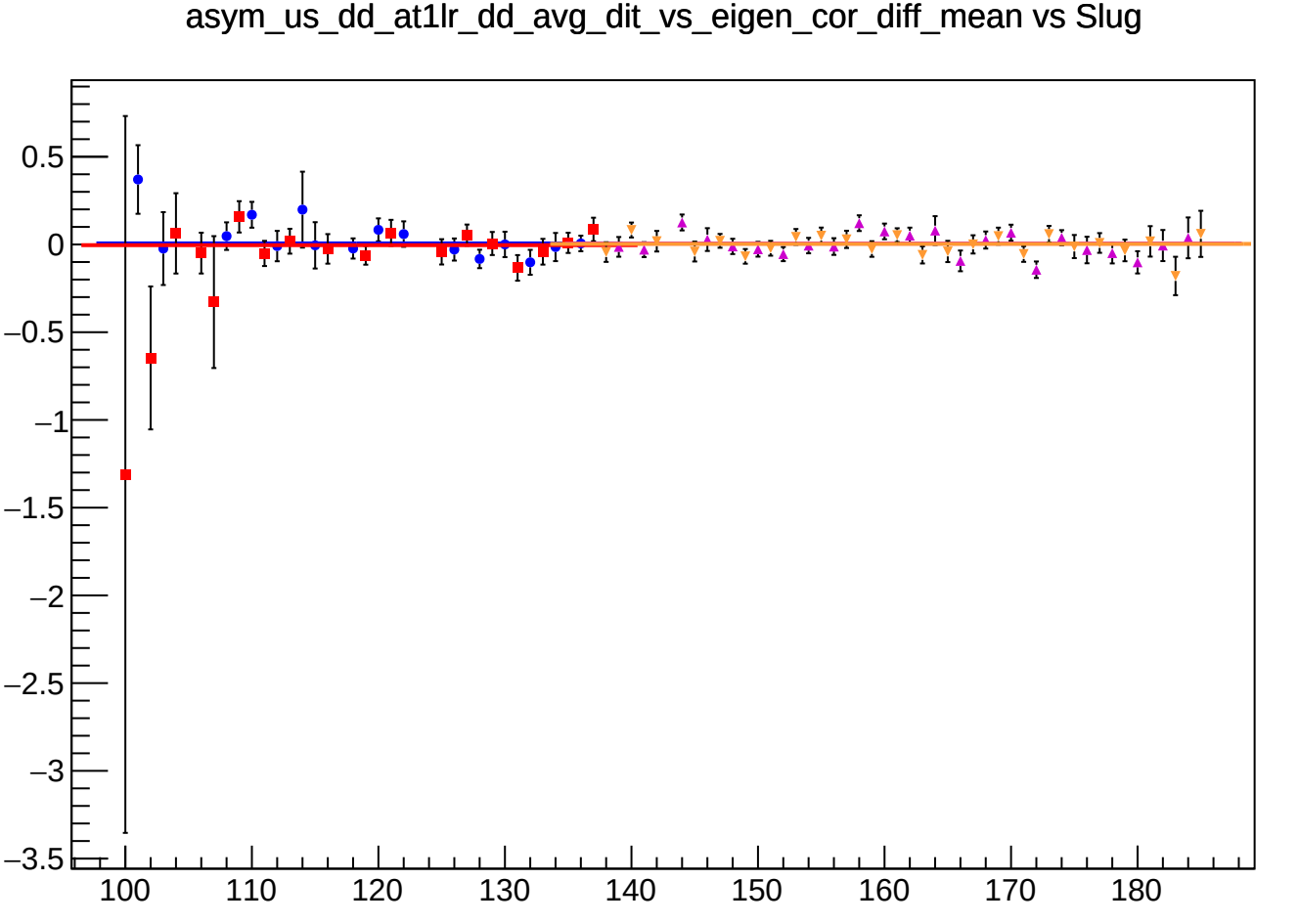
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.738+/-0.006 χ^2/NDF: 2959618.9/39

All: 40.980+/-0.005 χ^2/NDF: 5332234.3/80

- 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:21.8/23

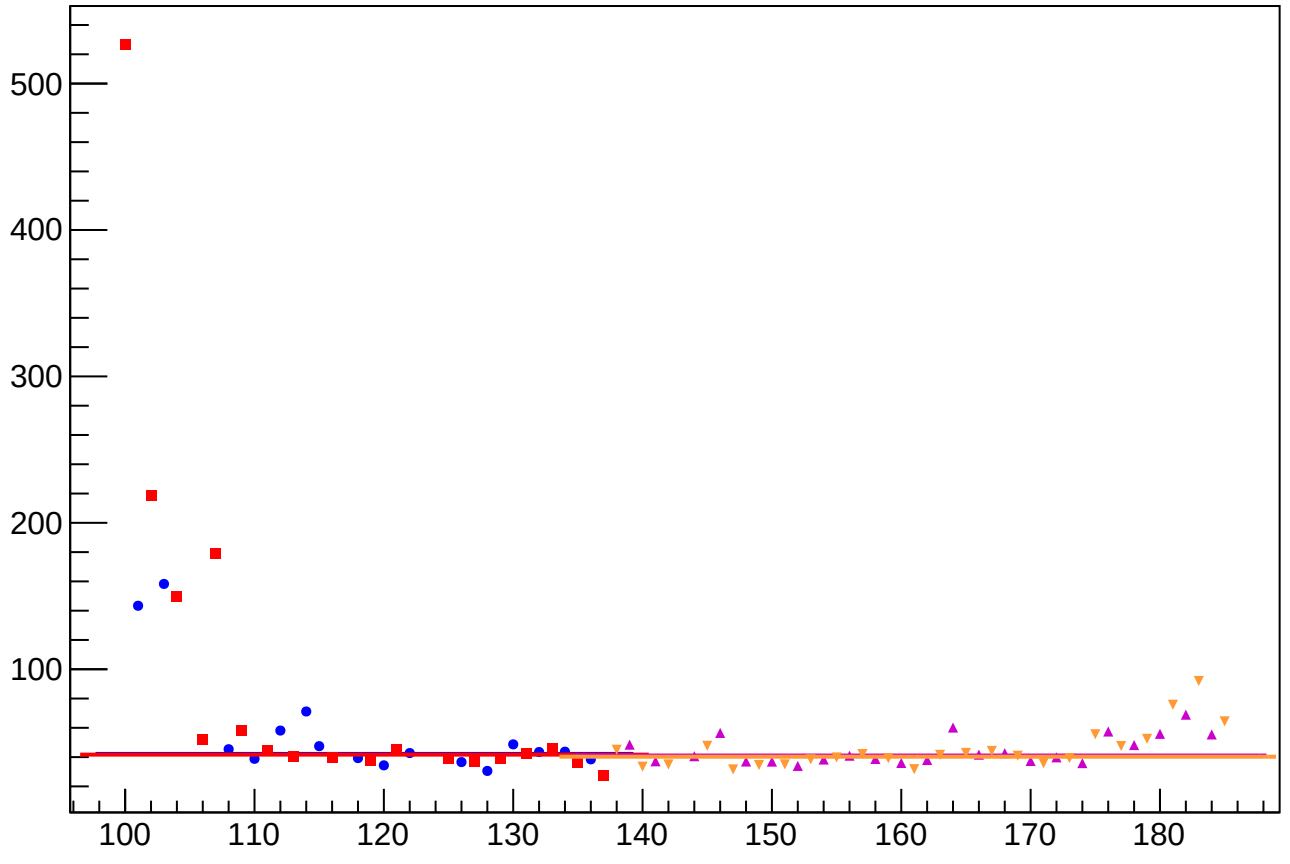
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.1/39

All: 0.003+/-0.006 χ^2/NDF: 97.0/80

- 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: 40.277+/-0.007 χ^2/NDF:1489065.3/23

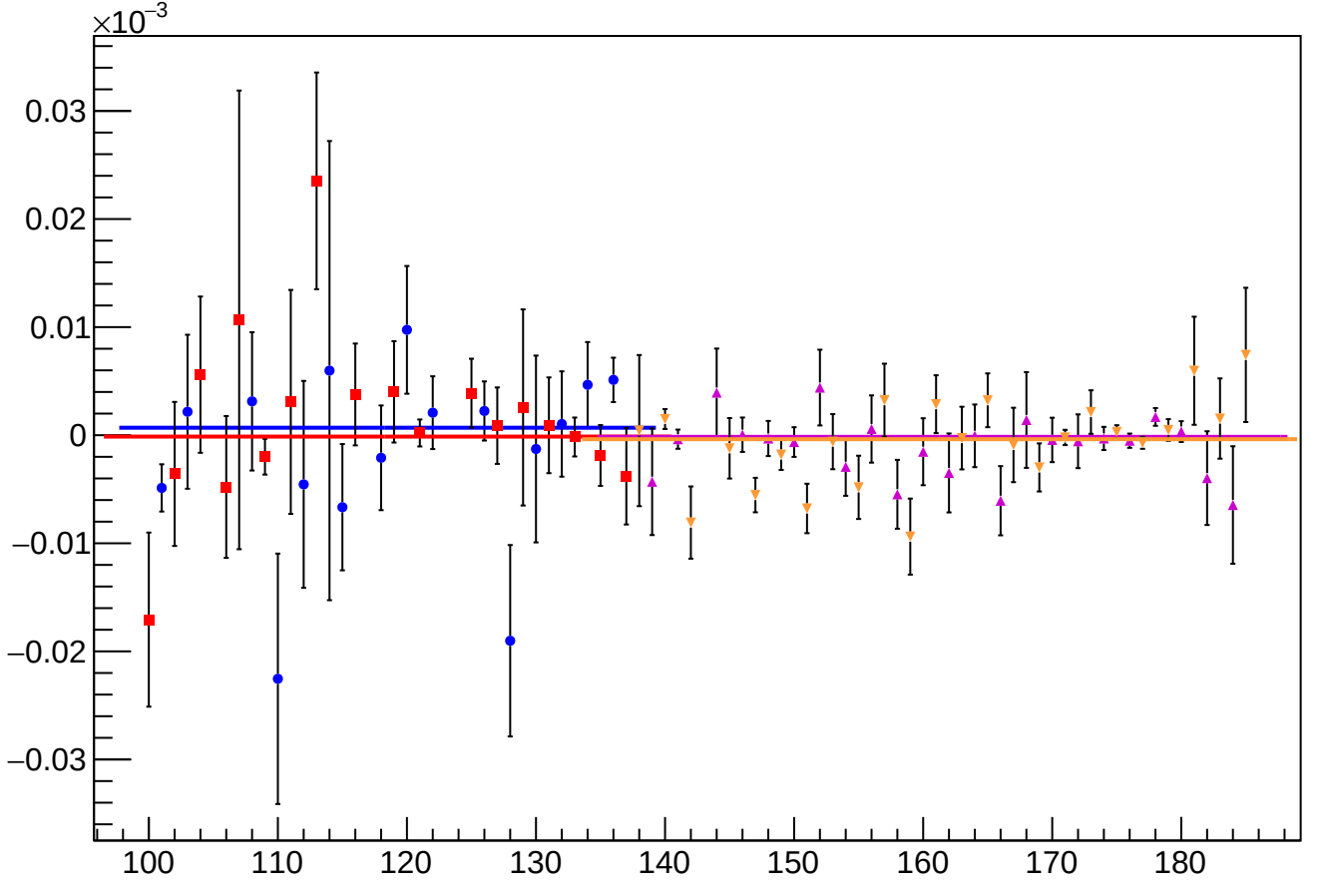
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.738+/-0.006 χ^2/NDF: 2959618.9/39

All: 40.980+/-0.005 χ^2/NDF: 5332234.3/80

- 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:51.2/23

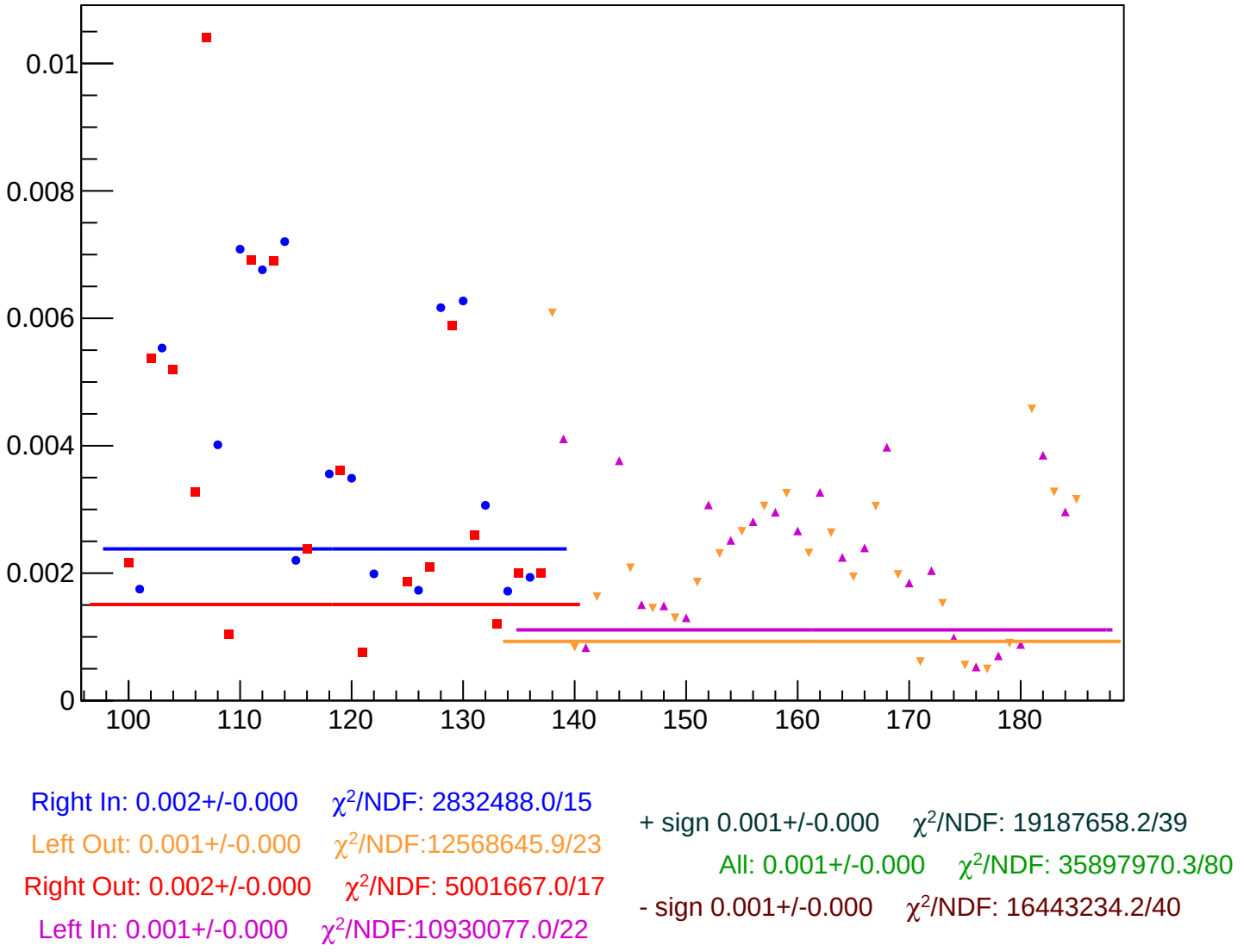
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

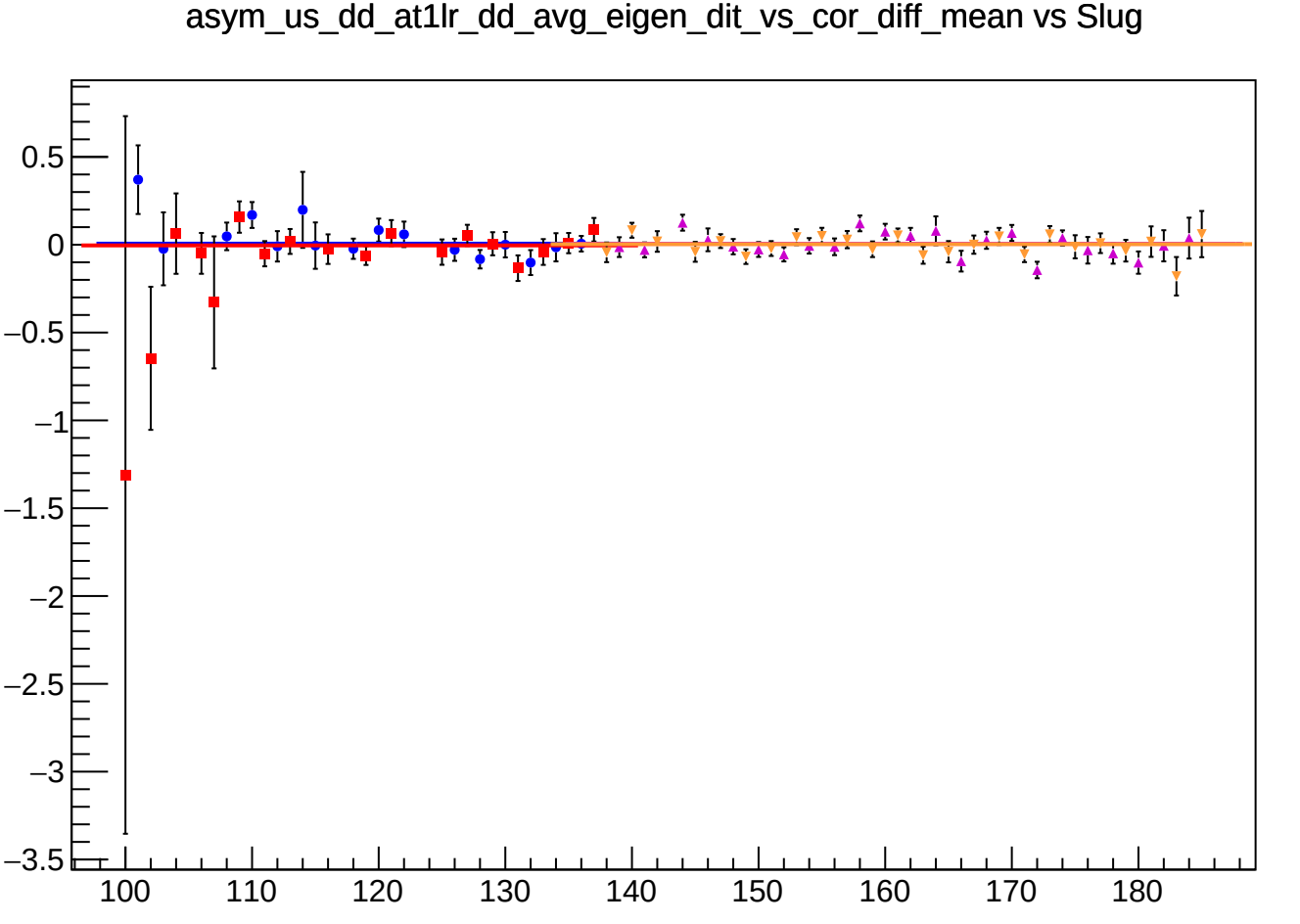
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.7/39

All: -0.000+/-0.000 χ^2/NDF: 116.1/80

- 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
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: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
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: 19187658.2/39
All: 0.001+/-0.000 χ²/NDF: 35897970.3/80
- 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:21.8/23

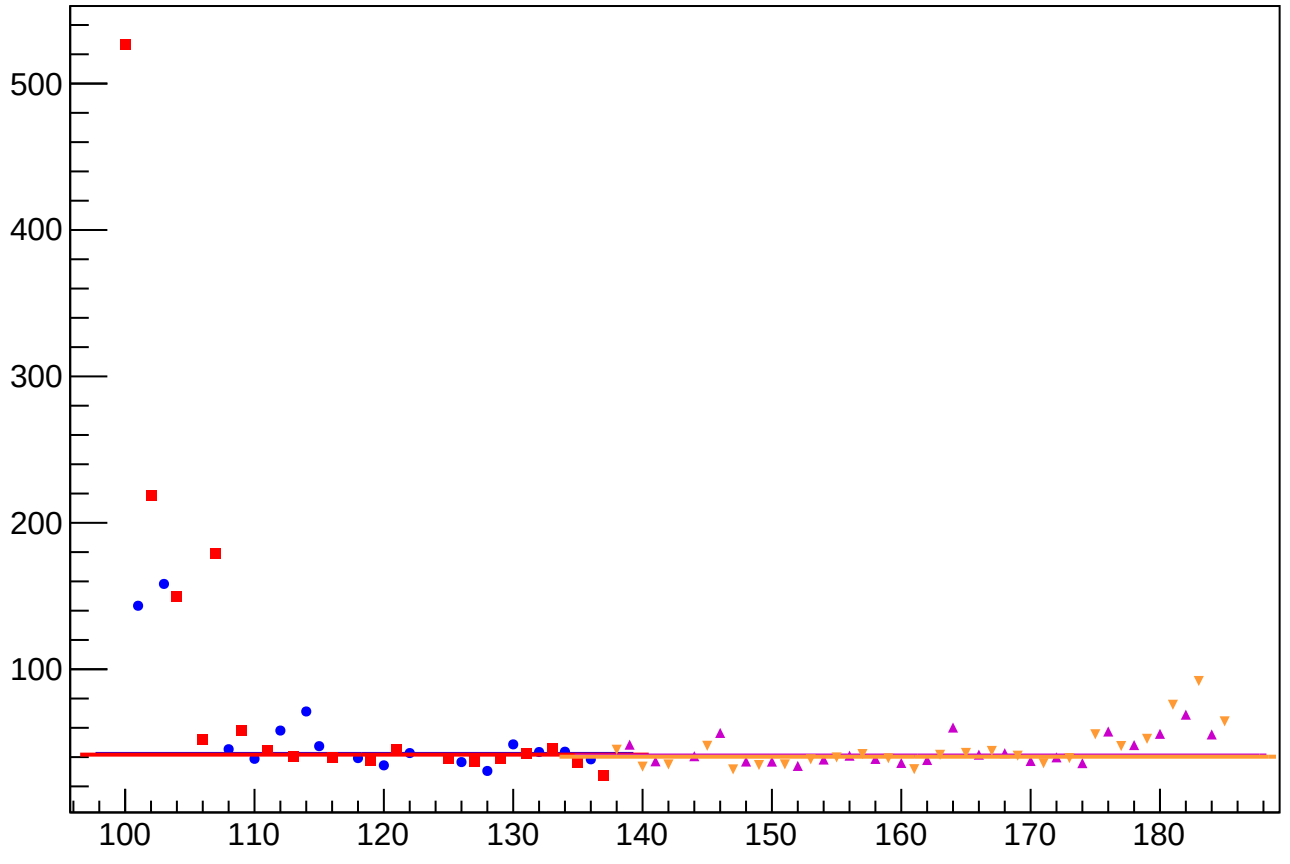
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.1/39

All: 0.003+/-0.006 χ^2/NDF: 97.0/80

- 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: 40.277+/-0.007 χ^2/NDF:1489049.7/23

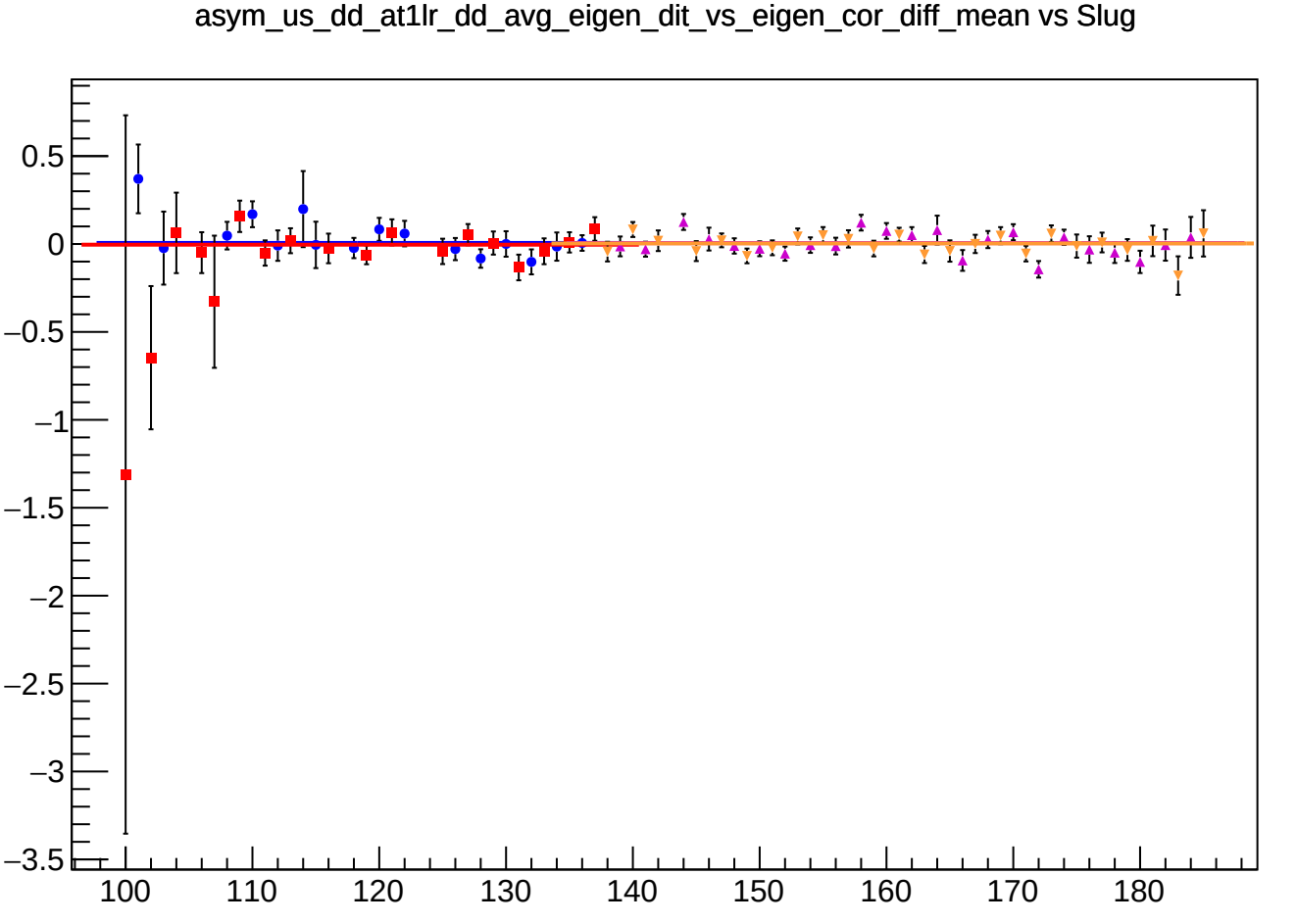
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 40.737+/-0.006 χ^2/NDF: 2959774.2/39

All: 40.980+/-0.005 χ^2/NDF: 5332419.3/80

- 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:21.8/23

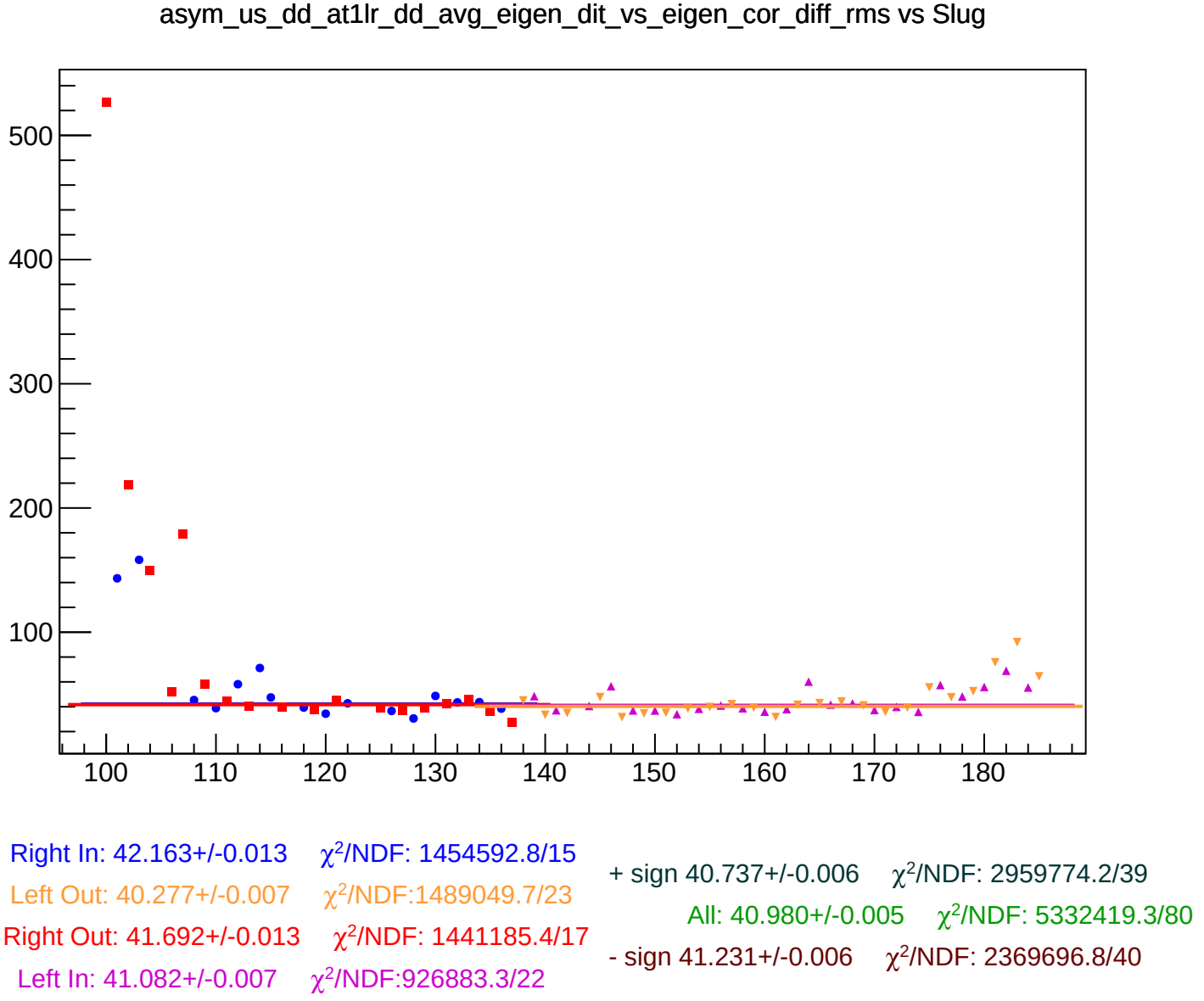
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

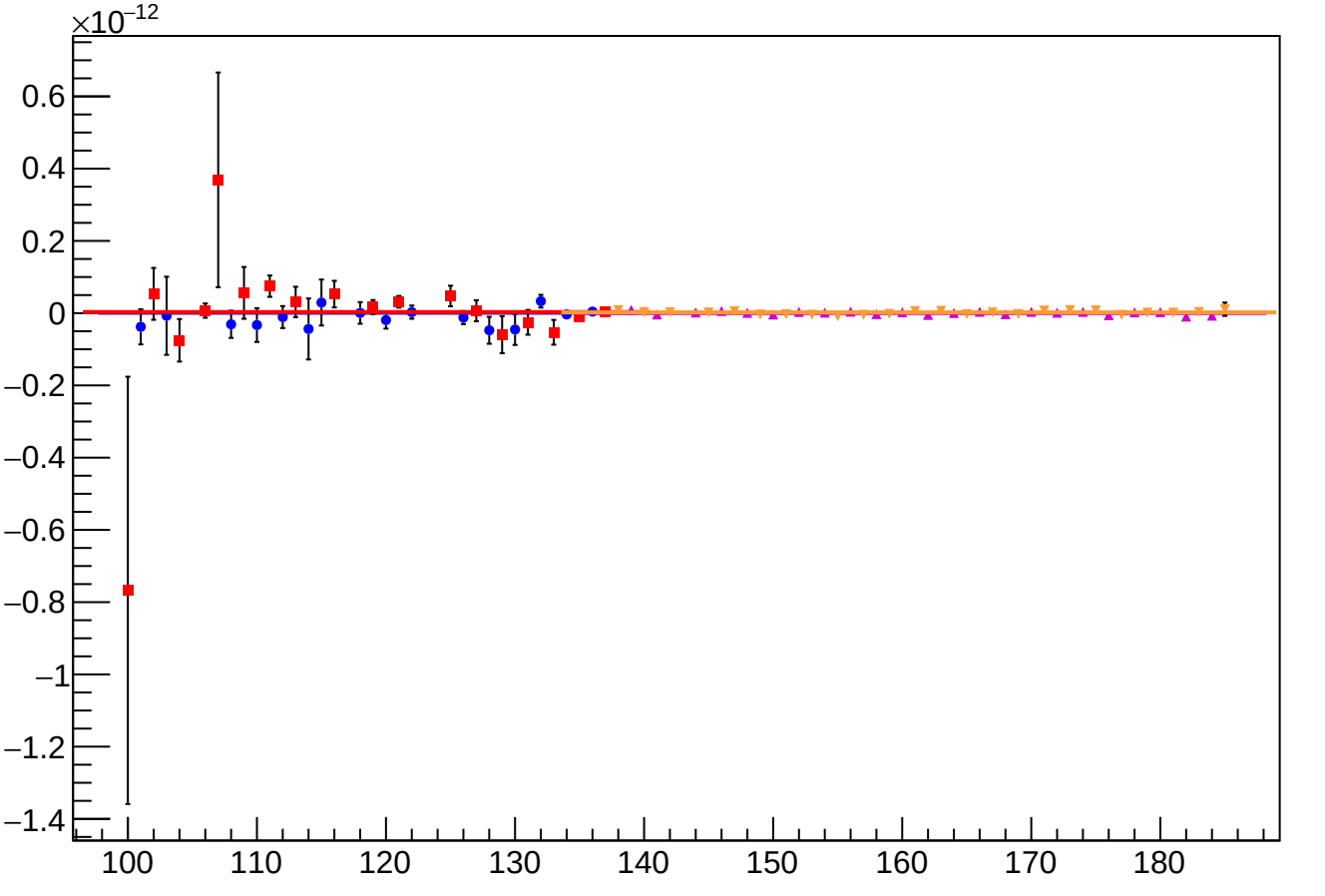
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

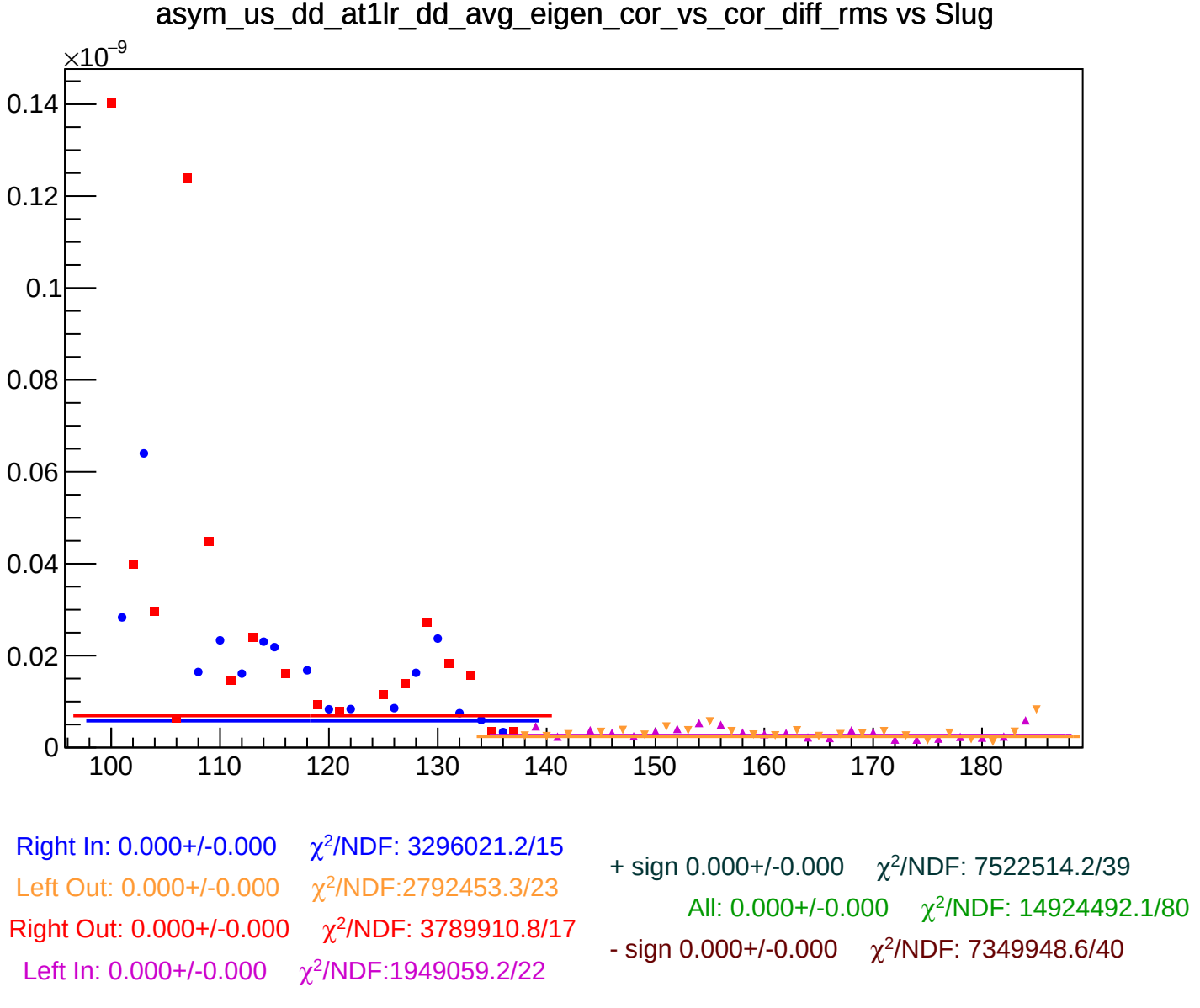
+ sign 0.004+/-0.009 χ^2/NDF: 39.1/39

All: 0.003+/-0.006 χ^2/NDF: 97.0/80

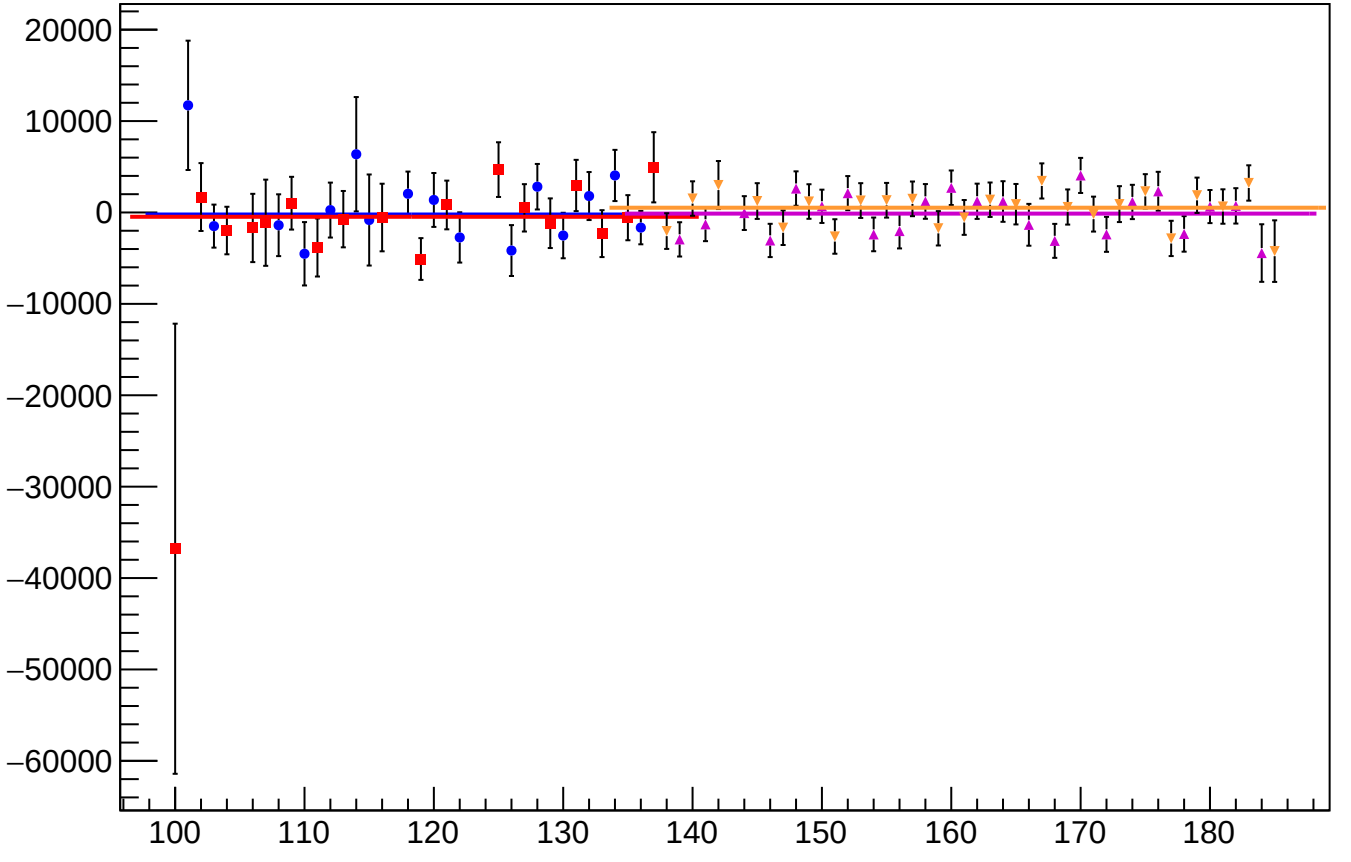
- sign 0.003+/-0.009 χ^2/NDF: 57.9/40


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: 40.277+/-0.007 χ²/NDF:1489049.7/23
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 40.737+/-0.006 χ²/NDF: 2959774.2/39
All: 40.980+/-0.005 χ²/NDF: 5332419.3/80
- 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:25.2/23
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: 35.7/39
All: 0.000+/-0.000 χ²/NDF: 90.0/80
- 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:2792453.3/23
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: 7522514.2/39
All: 0.000+/-0.000 χ²/NDF: 14924492.1/80
- 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: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

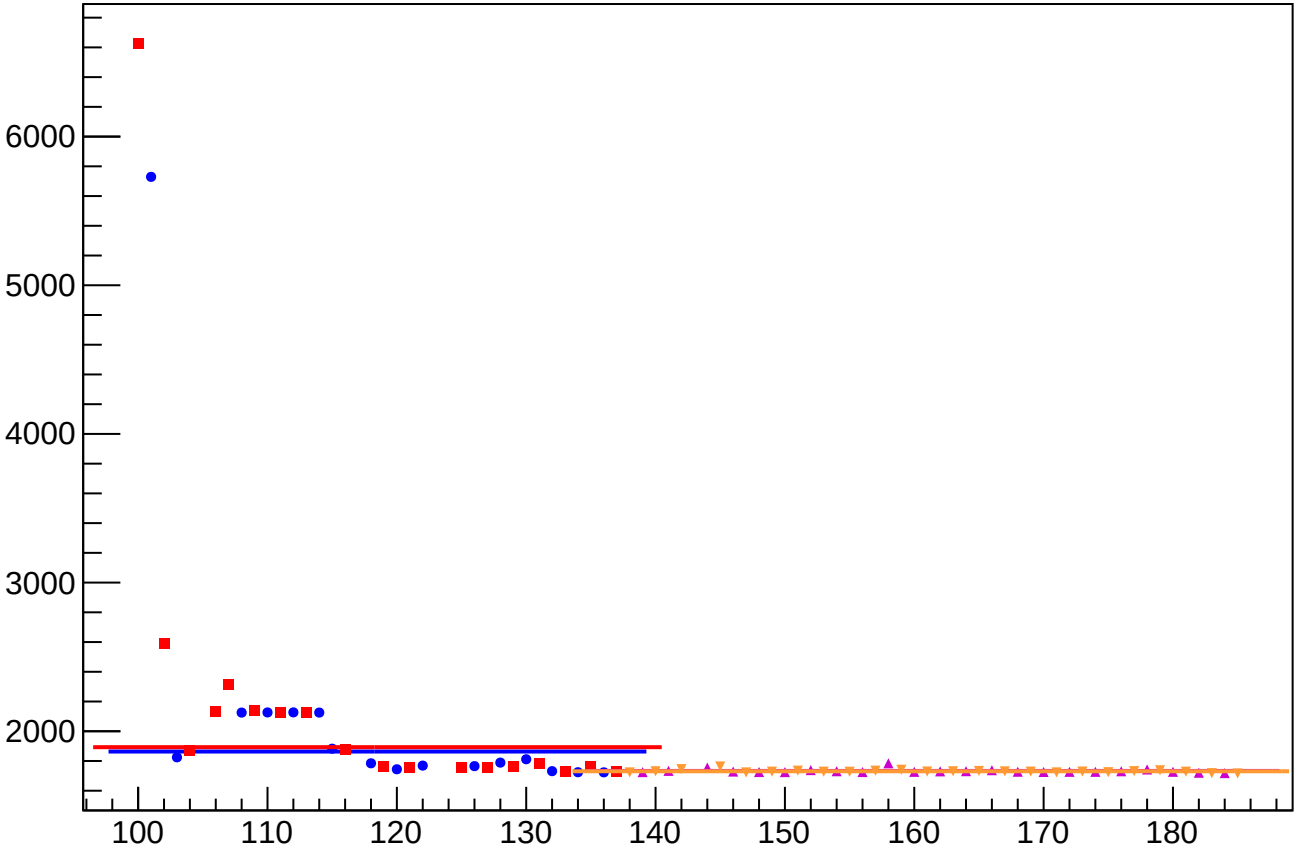
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 339.457+/-349.523 χ^2/NDF: 37.4/39

All: 66.115+/-247.926 χ^2/NDF: 84.2/80

- 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: 1730.847+/-0.284 χ^2/NDF:969.7/23

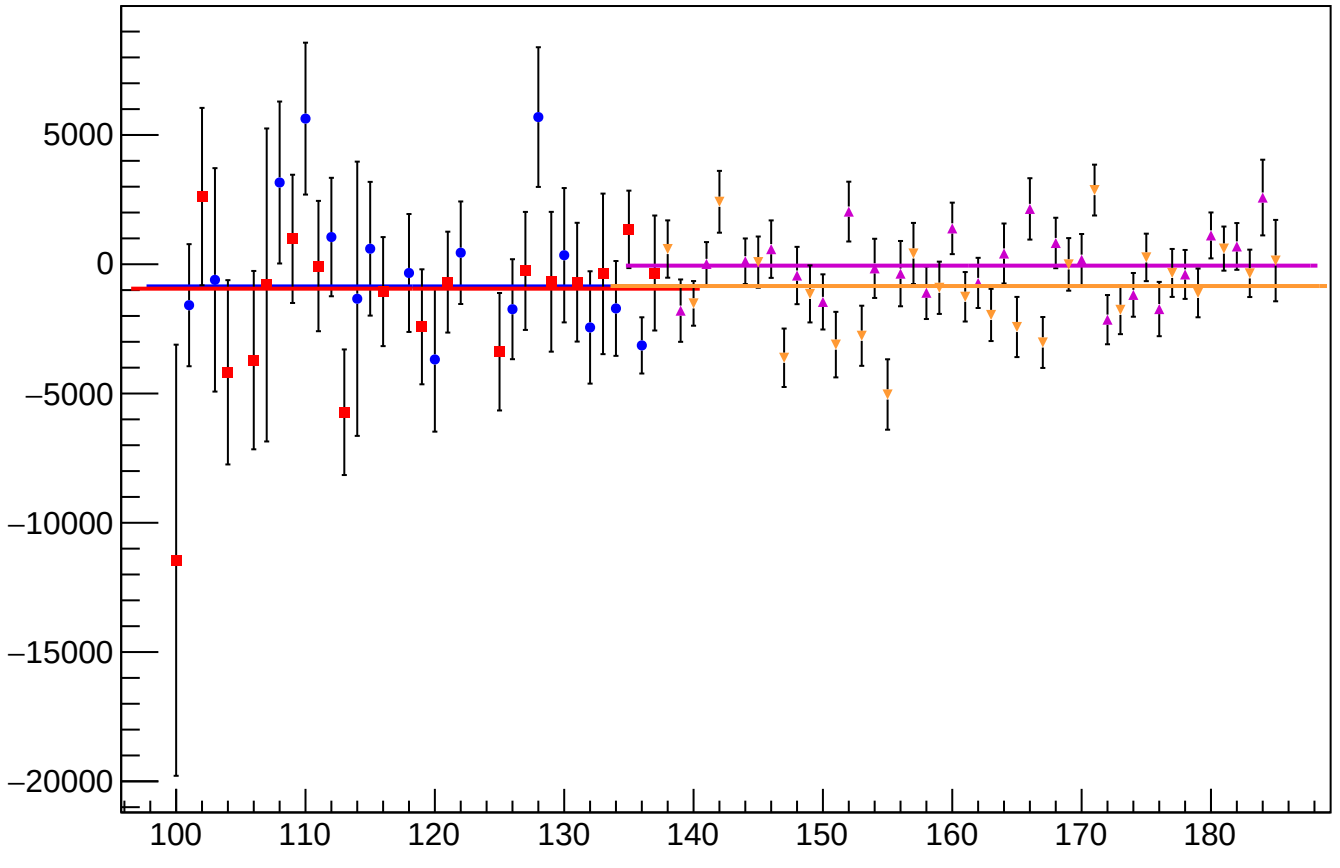
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.092+/-0.247 χ^2/NDF: 728681.4/39

All: 1767.555+/-0.175 χ^2/NDF: 1059380.2/80

- 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: -842.437+/-210.852 χ^2/NDF:62.7/23

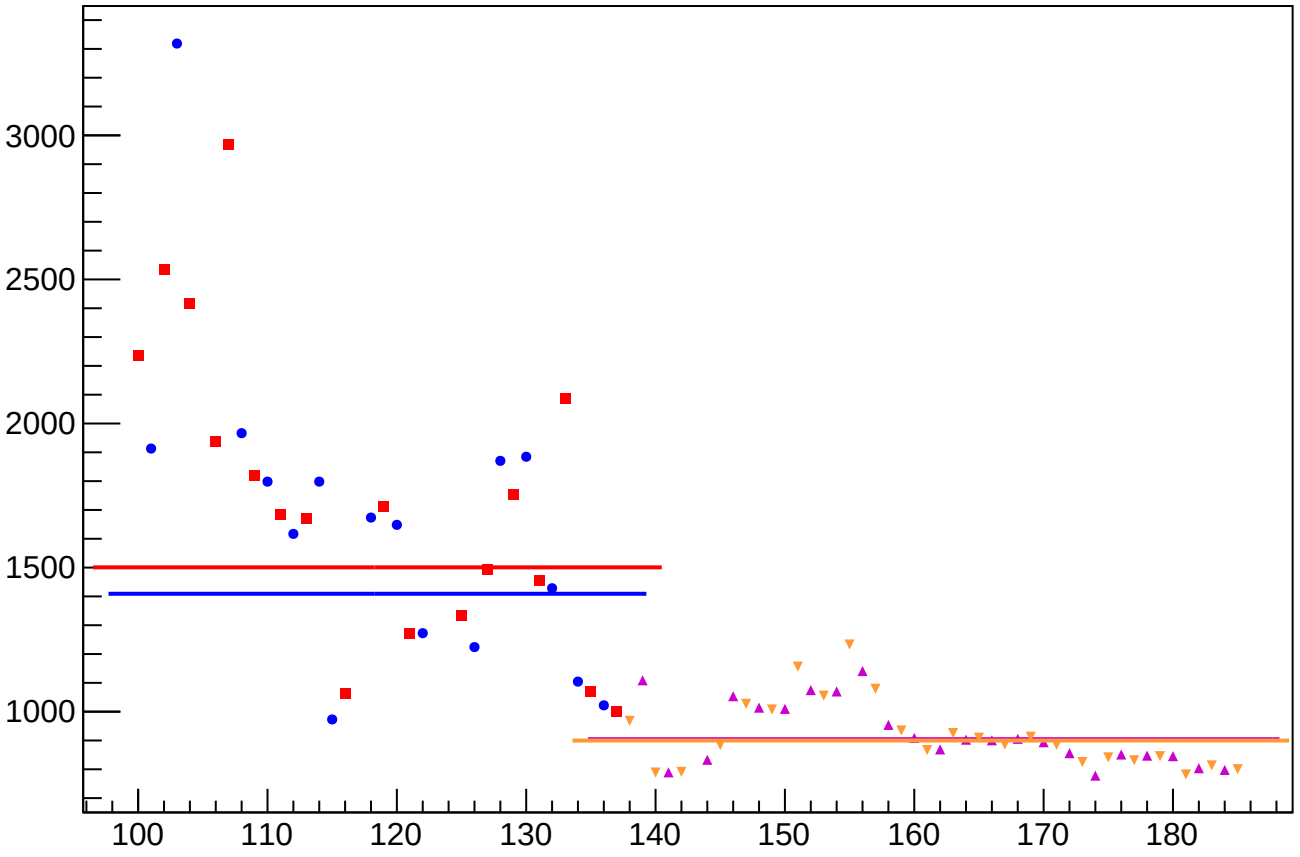
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -844.342+/-196.871 χ^2/NDF: 83.3/39

All: -506.946+/-140.328 χ^2/NDF: 134.9/80

- 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: 899.811+/-0.149 χ^2/NDF:495328.4/23

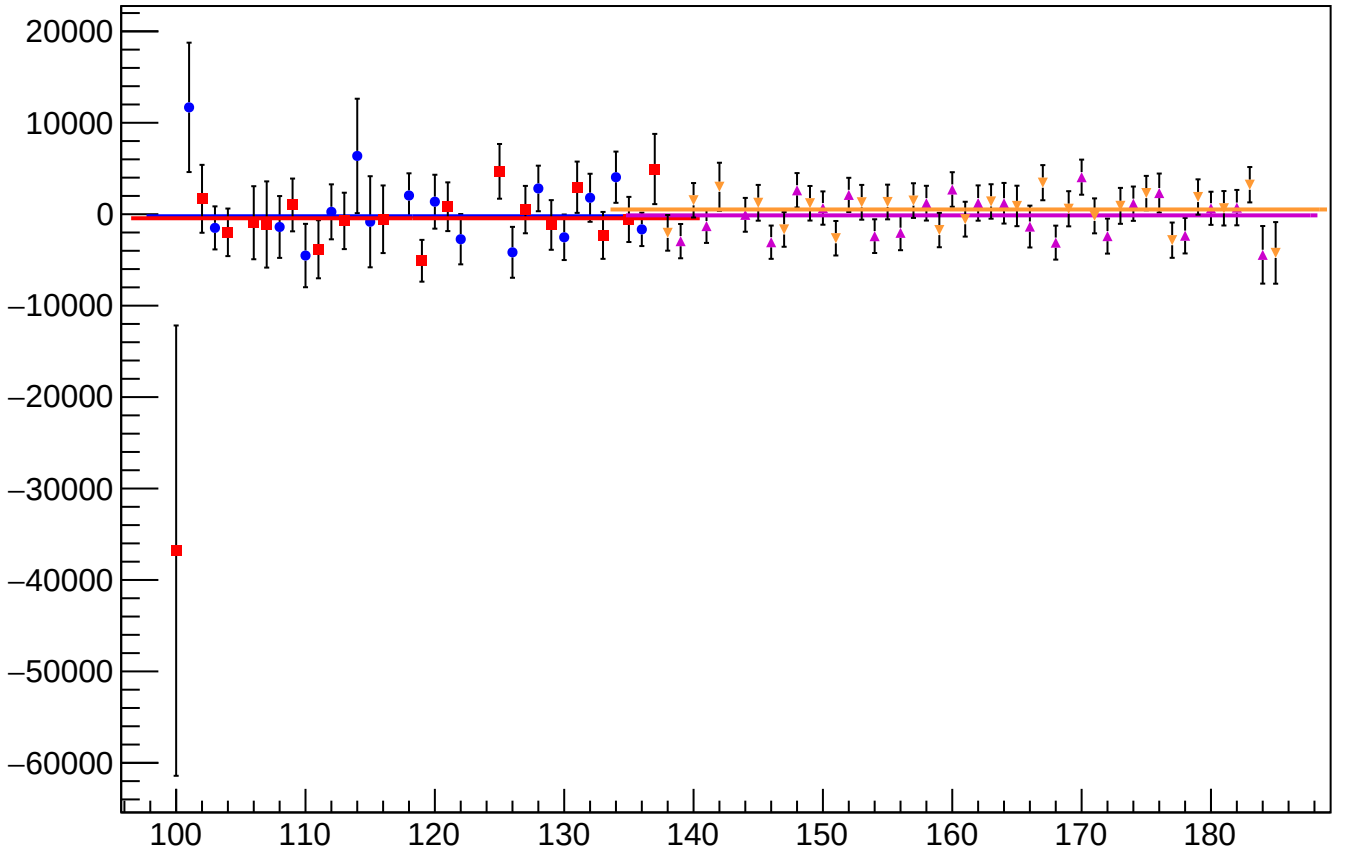
Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 965.113+/-0.139 χ^2/NDF: 3159134.2/39

All: 969.797+/-0.099 χ^2/NDF: 6484073.0/80

- sign 974.635+/-0.141 χ^2/NDF: 3322637.5/40



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

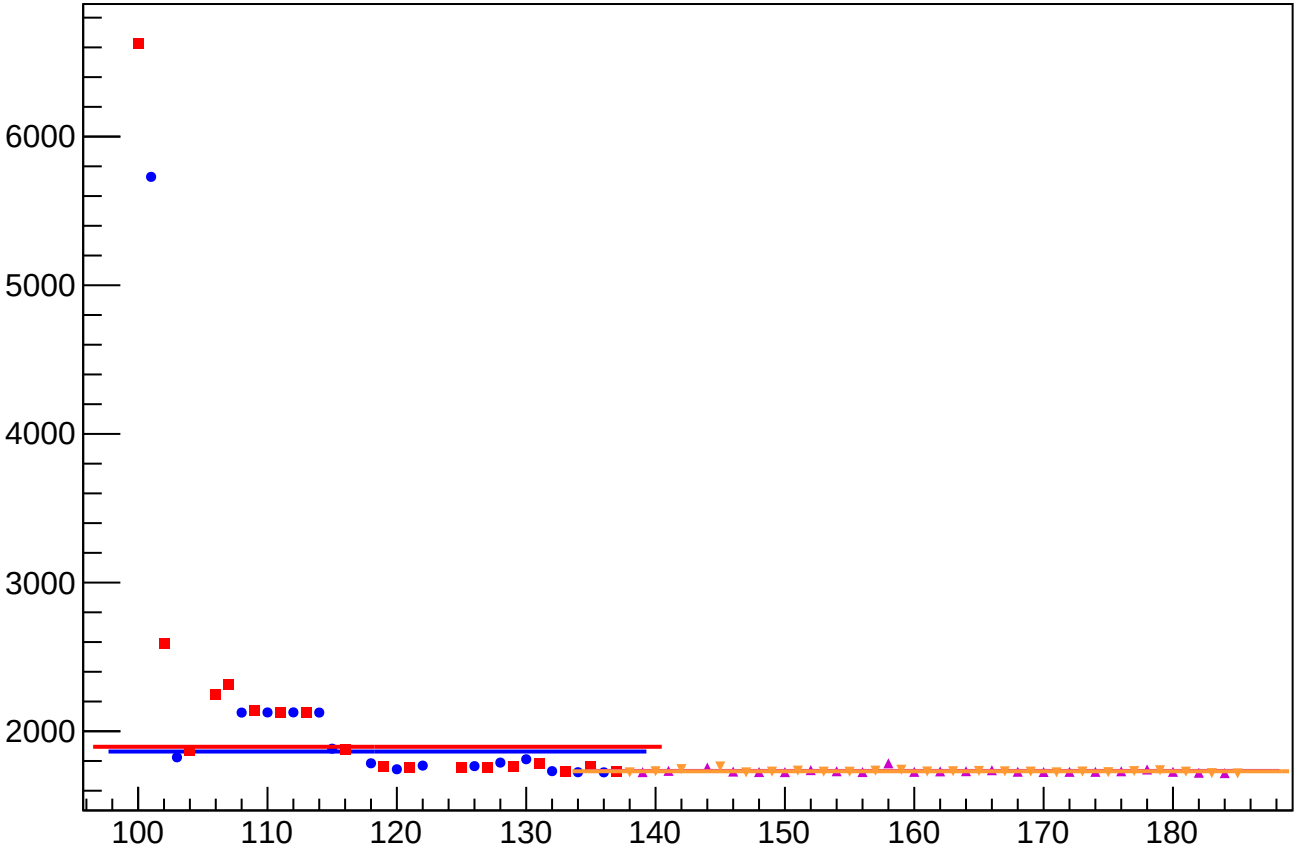
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 339.289+/-349.523 χ^2/NDF: 37.4/39

All: 69.860+/-247.994 χ^2/NDF: 84.0/80

- 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: 1730.847+/-0.284 χ^2/NDF:969.7/23

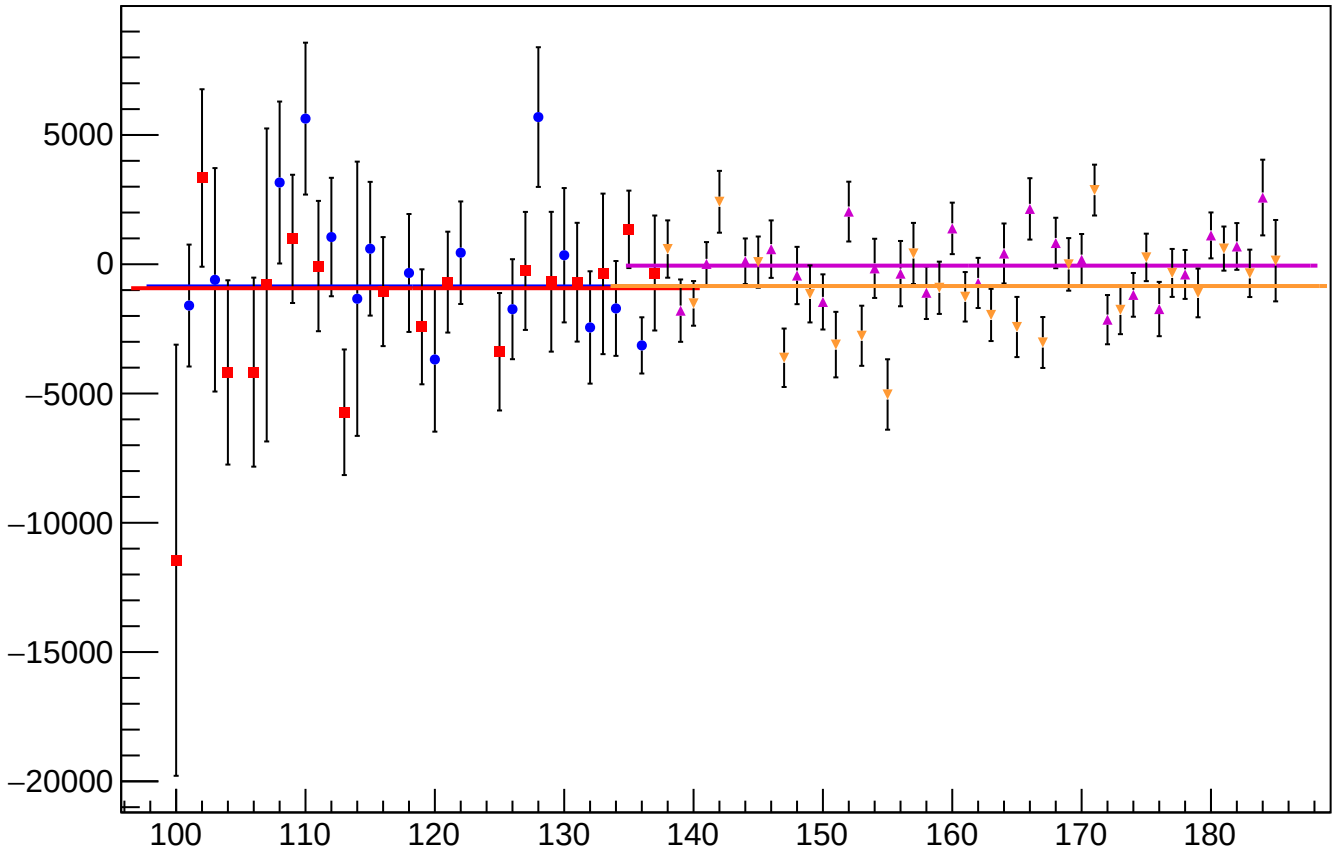
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.092+/-0.247 χ^2/NDF: 728681.2/39

All: 1767.804+/-0.175 χ^2/NDF: 1069370.0/80

- 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: -842.473+/-210.853 χ^2/NDF:62.7/23

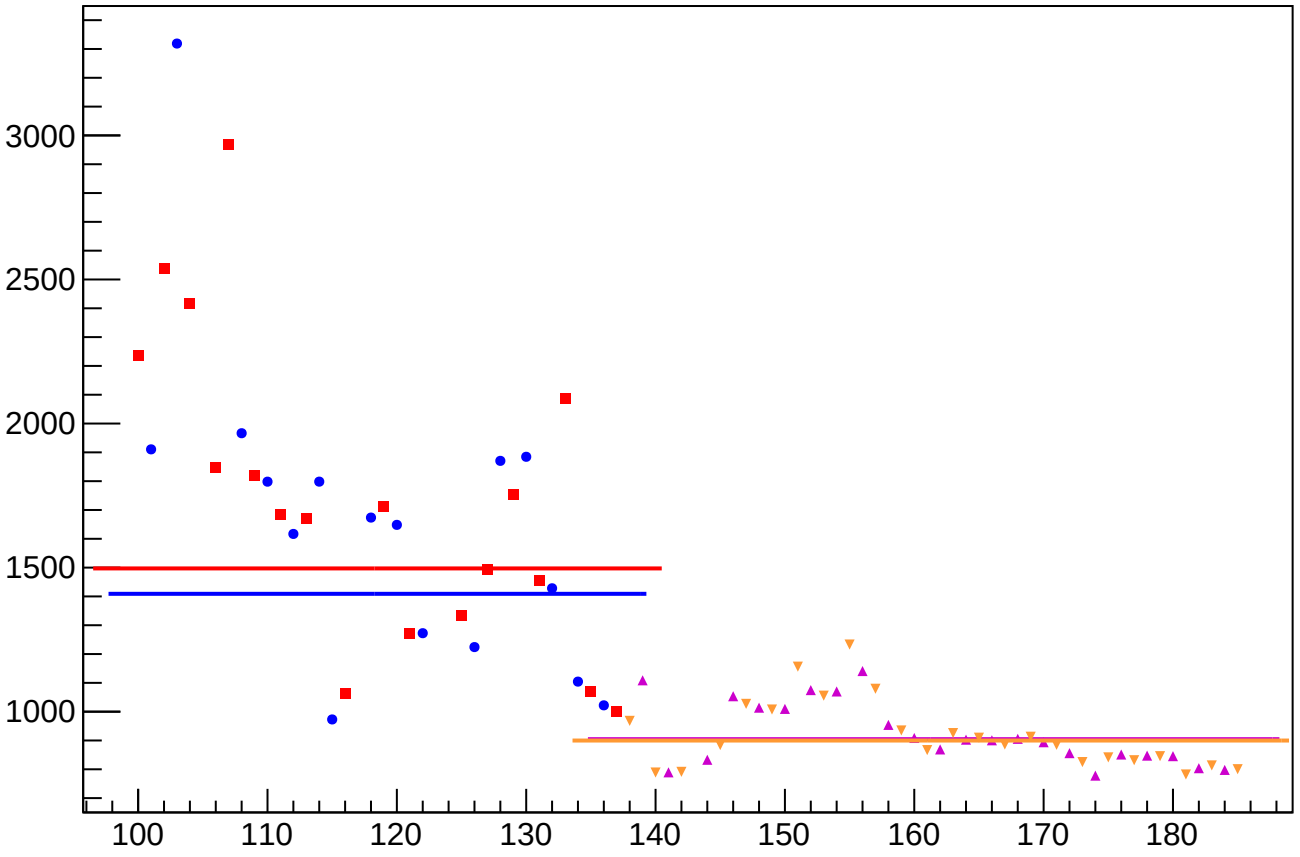
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -844.479+/-196.869 χ^2/NDF: 83.3/39

All: -505.939+/-140.340 χ^2/NDF: 135.4/80

- 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: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

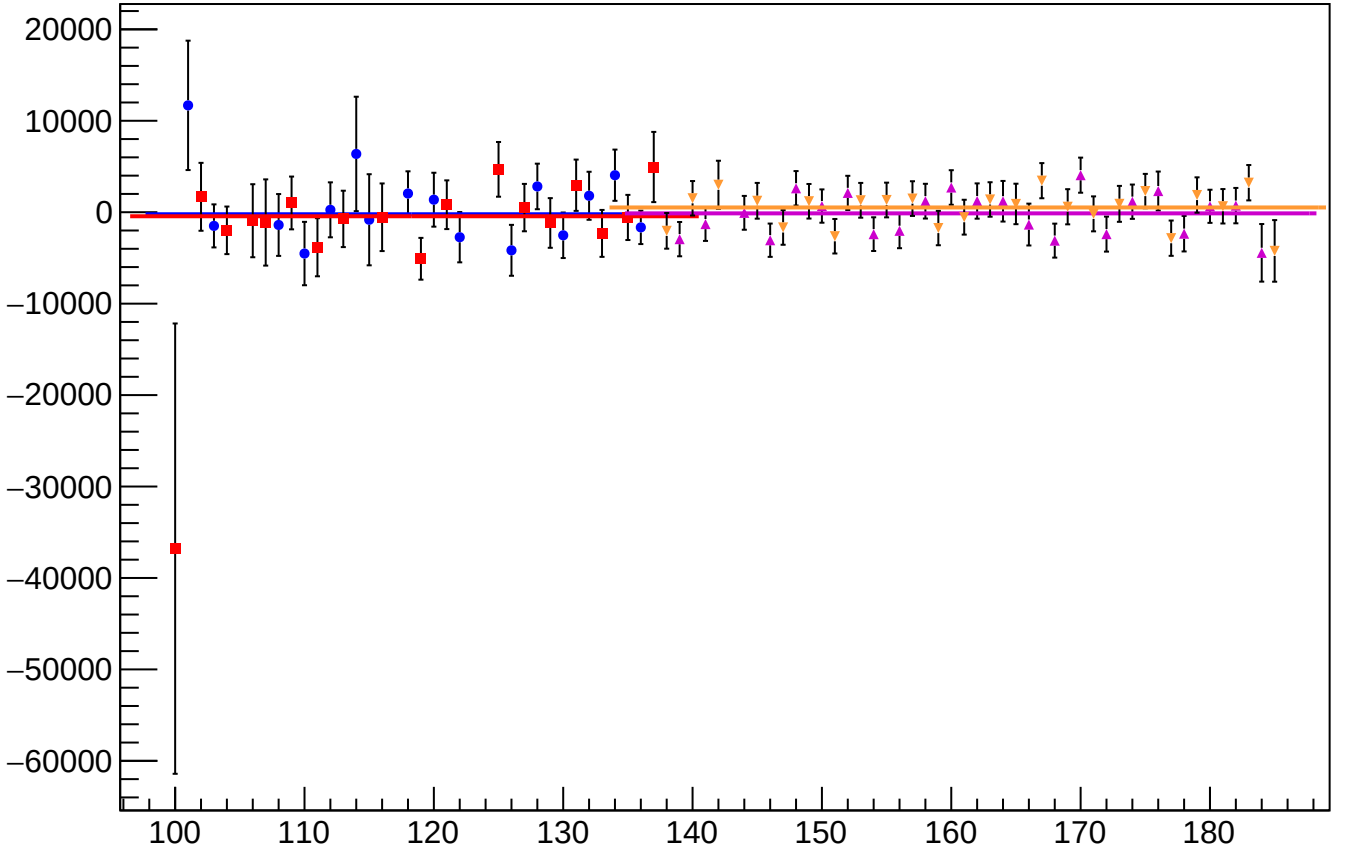
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 965.115+/-0.139 χ^2/NDF: 3158171.3/39

All: 969.490+/-0.099 χ^2/NDF: 6442691.6/80

- 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: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

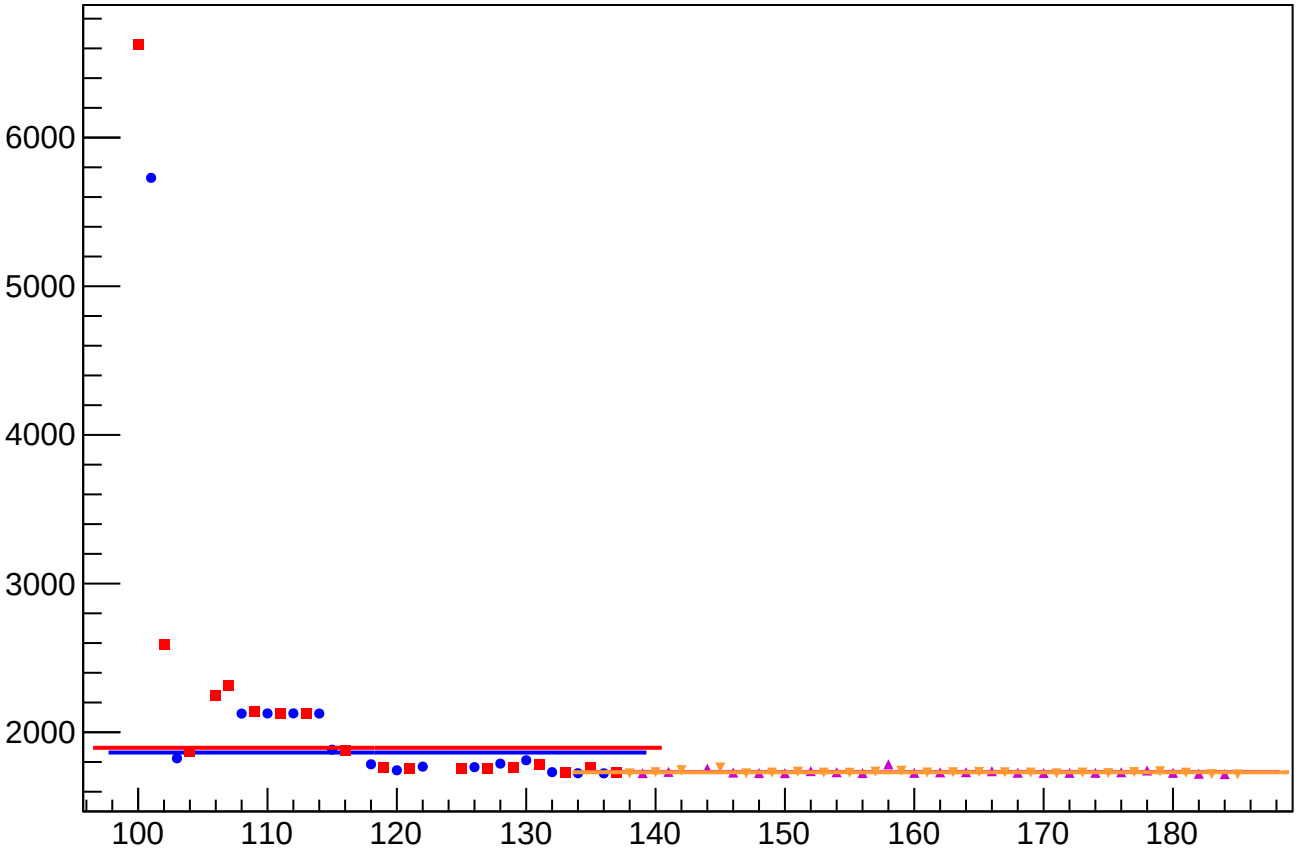
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 339.289+/-349.523 χ^2/NDF: 37.4/39

All: 69.860+/-247.994 χ^2/NDF: 84.0/80

- 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: 1730.847+/-0.284 χ^2/NDF:969.7/23

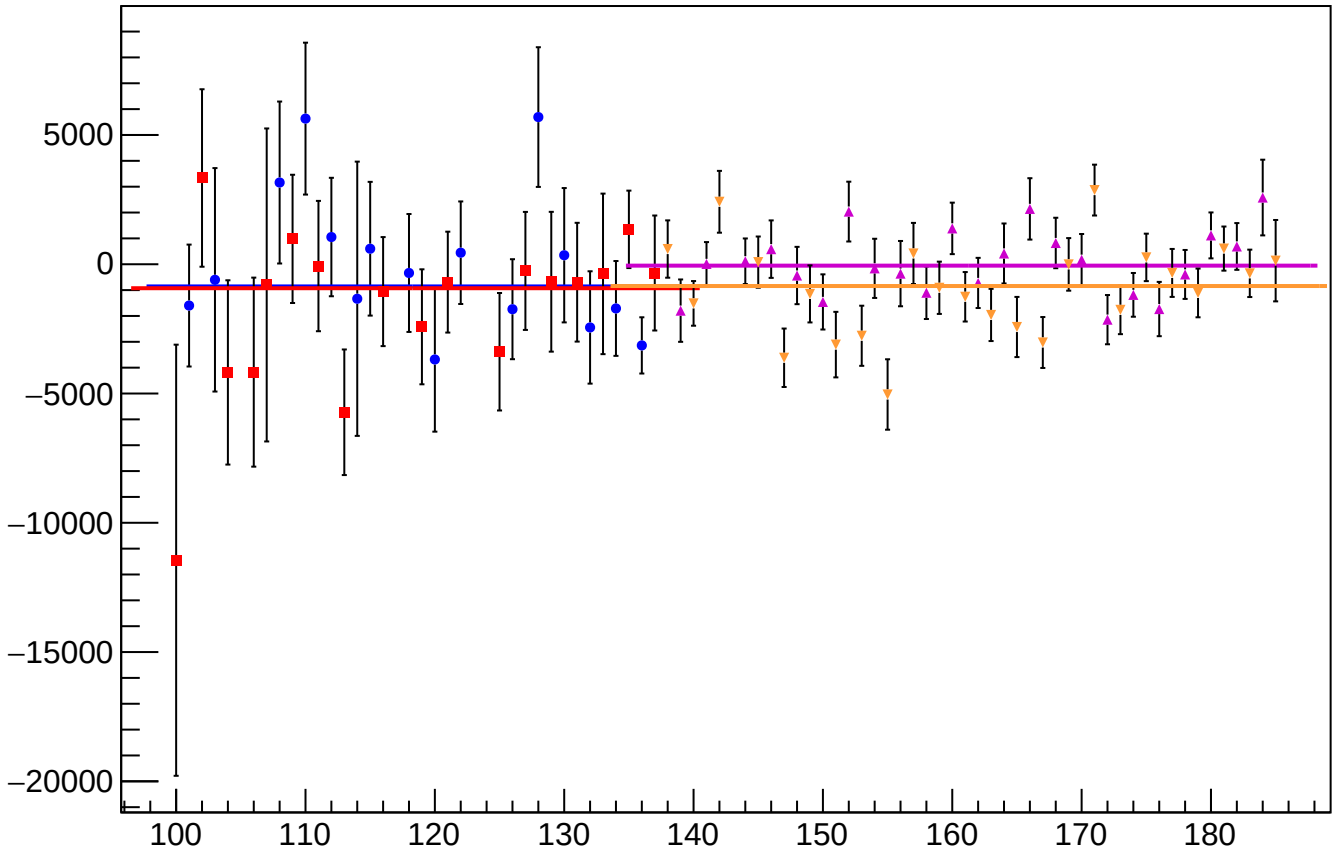
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.092+/-0.247 χ^2/NDF: 728681.2/39

All: 1767.804+/-0.175 χ^2/NDF: 1069370.0/80

- 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: -842.473+/-210.853 χ^2/NDF:62.7/23

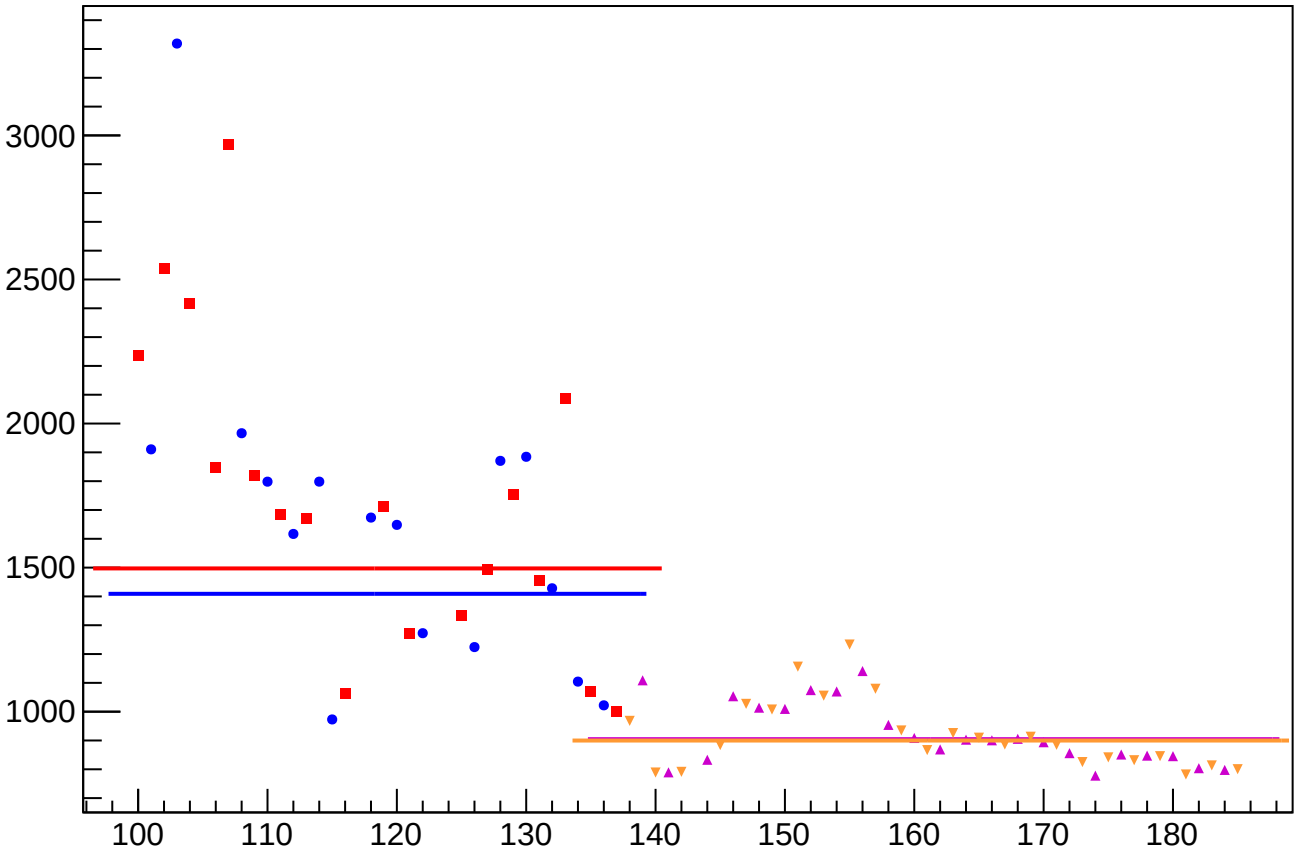
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -844.479+/-196.869 χ^2/NDF: 83.3/39

All: -505.939+/-140.340 χ^2/NDF: 135.4/80

- 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: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

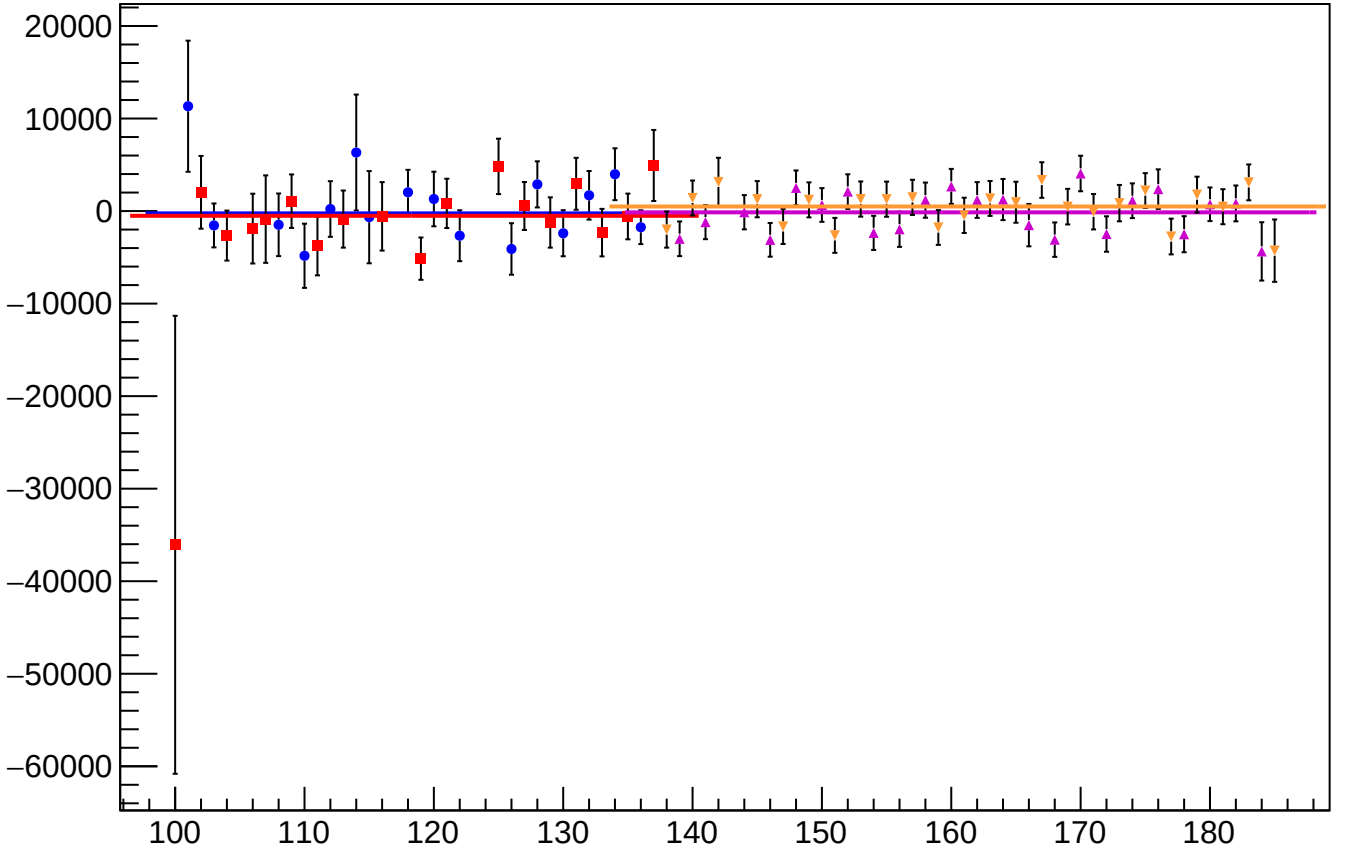
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 965.115+/-0.139 χ^2/NDF: 3158171.3/39

All: 969.490+/-0.099 χ^2/NDF: 6442691.6/80

- 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: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

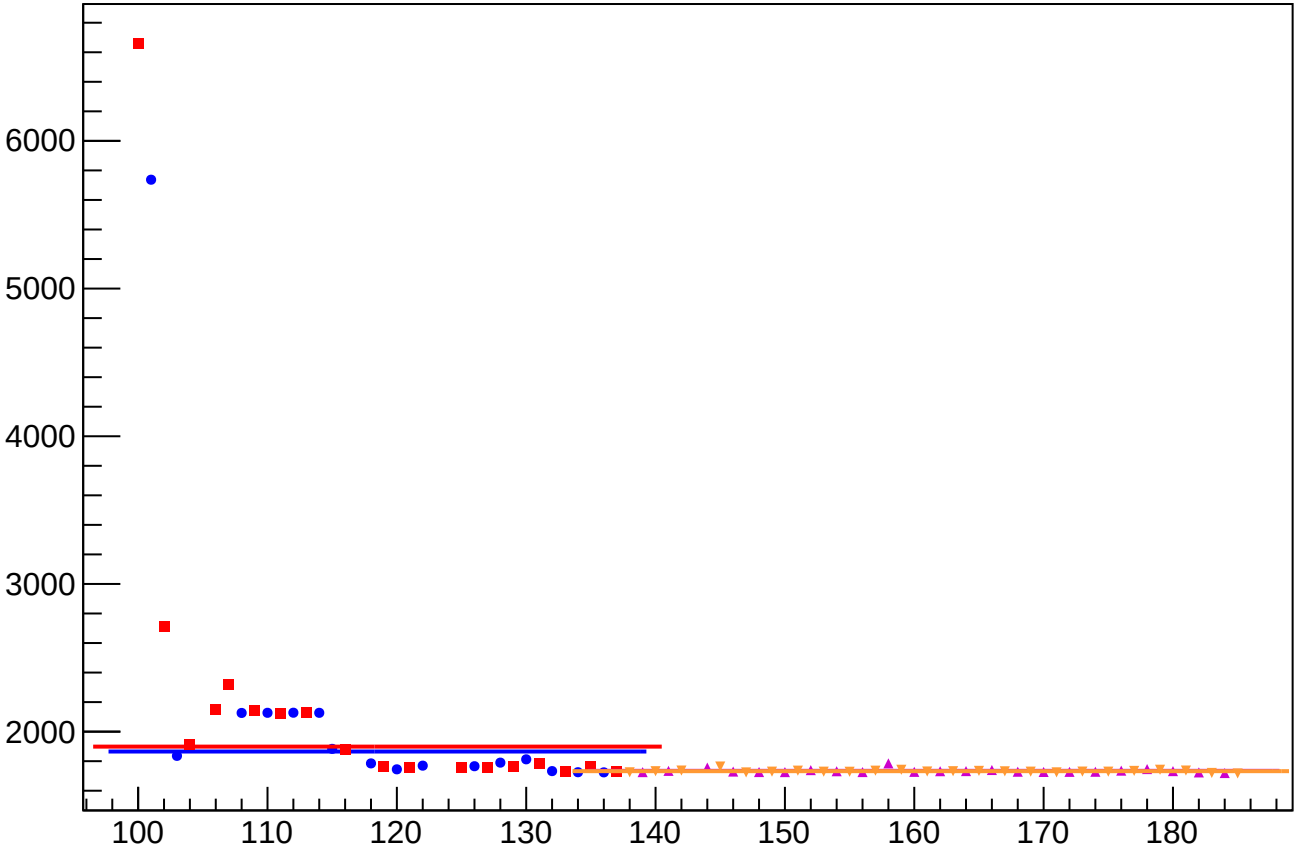
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 313.519+/-349.862 χ^2/NDF: 36.5/39

All: 44.914+/-248.297 χ^2/NDF: 83.9/80

- 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: 1732.389+/-0.284 χ^2/NDF:910.8/23

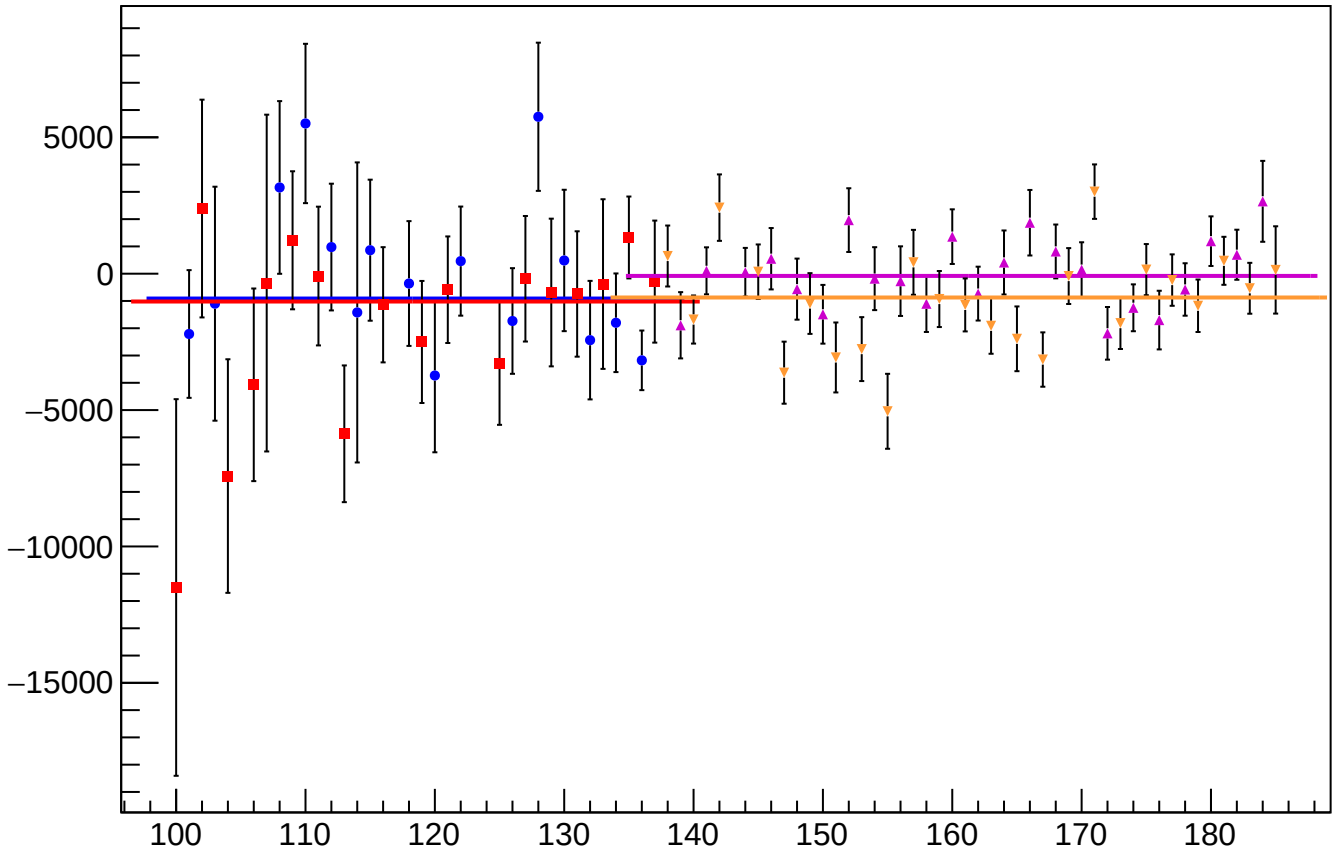
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.698+/-0.247 χ^2/NDF: 729083.7/39

All: 1769.501+/-0.176 χ^2/NDF: 1080791.3/80

- 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: -872.827+/-214.008 χ^2/NDF:62.0/23

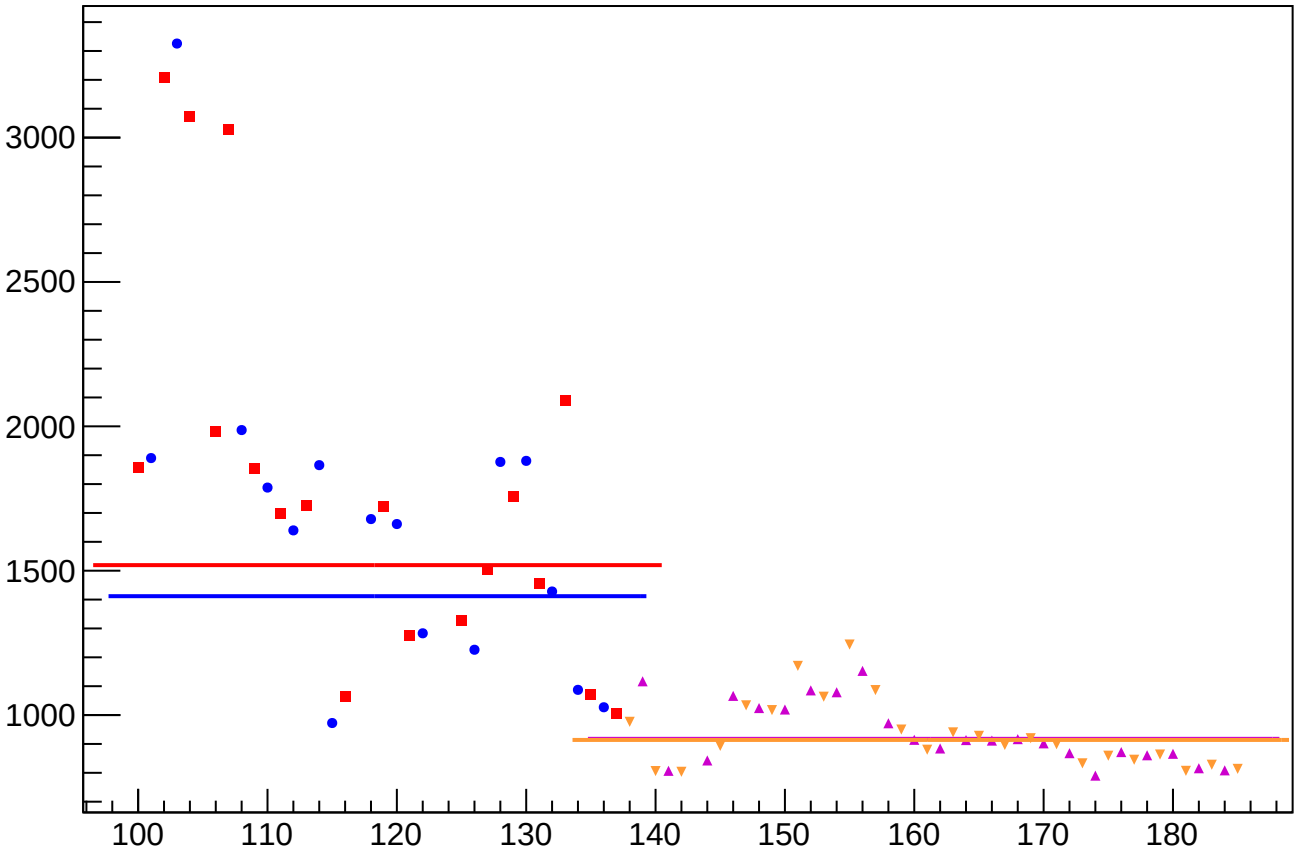
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -877.828+/-199.481 χ^2/NDF: 83.0/39

All: -540.541+/-142.223 χ^2/NDF: 135.9/80

- 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: 913.899+/-0.151 χ^2/NDF:462850.2/23

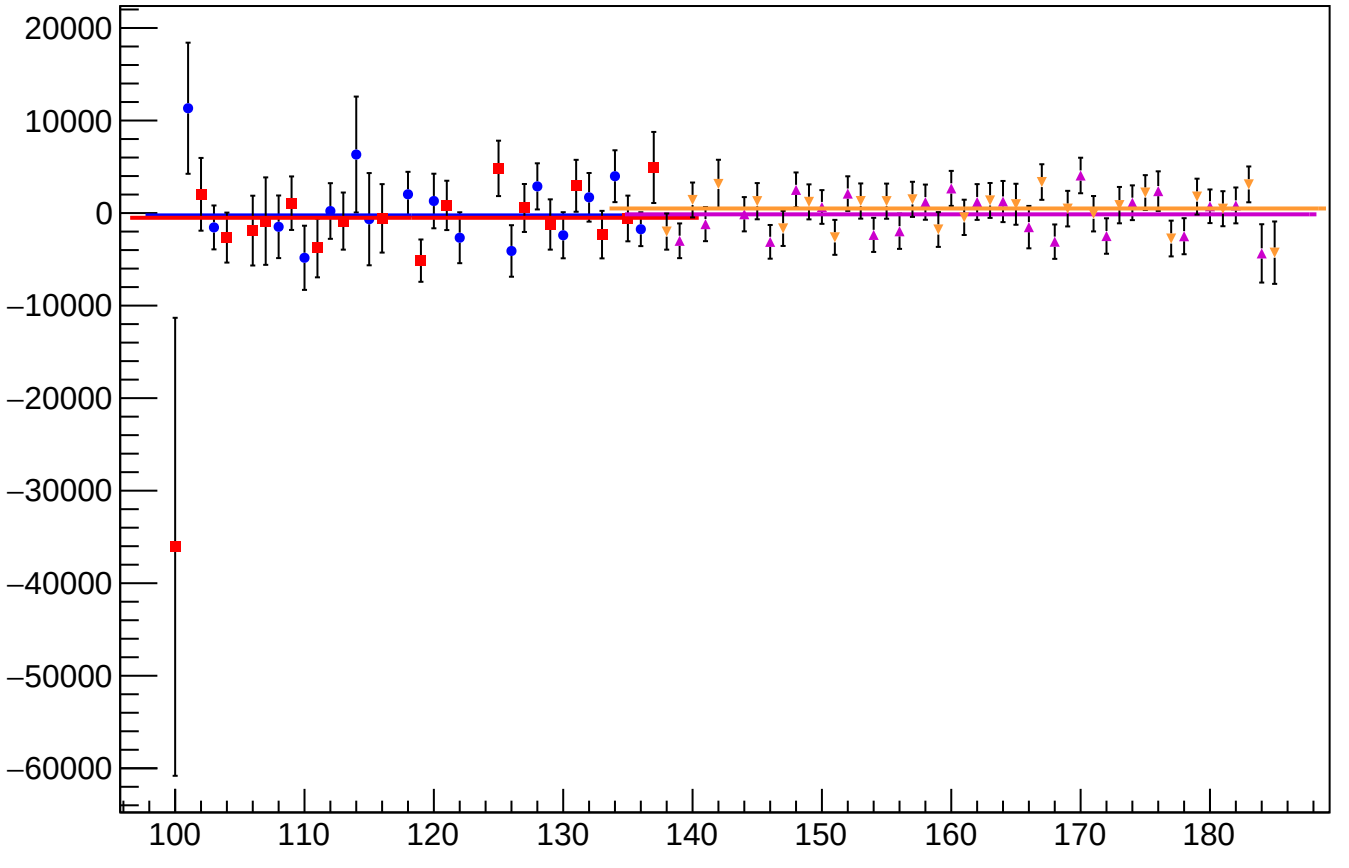
Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 979.190+/-0.141 χ^2/NDF: 3060069.2/39

All: 983.714+/-0.101 χ^2/NDF: 6678077.8/80

- sign 988.391+/-0.143 χ^2/NDF: 3615916.5/40



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

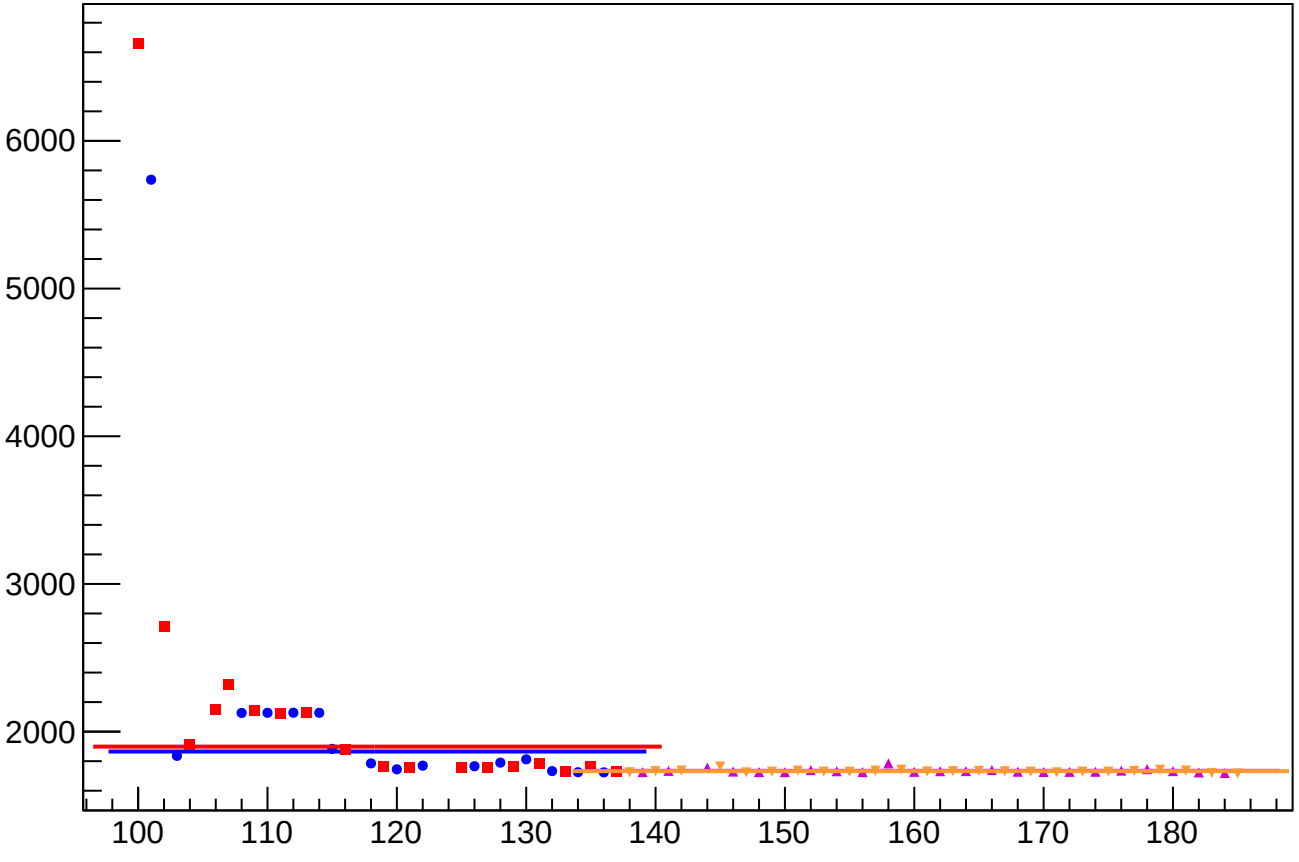
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 313.519+/-349.862 χ^2/NDF: 36.5/39

All: 44.914+/-248.297 χ^2/NDF: 83.9/80

- sign -227.670+/-352.444 χ^2/NDF: 46.2/40

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

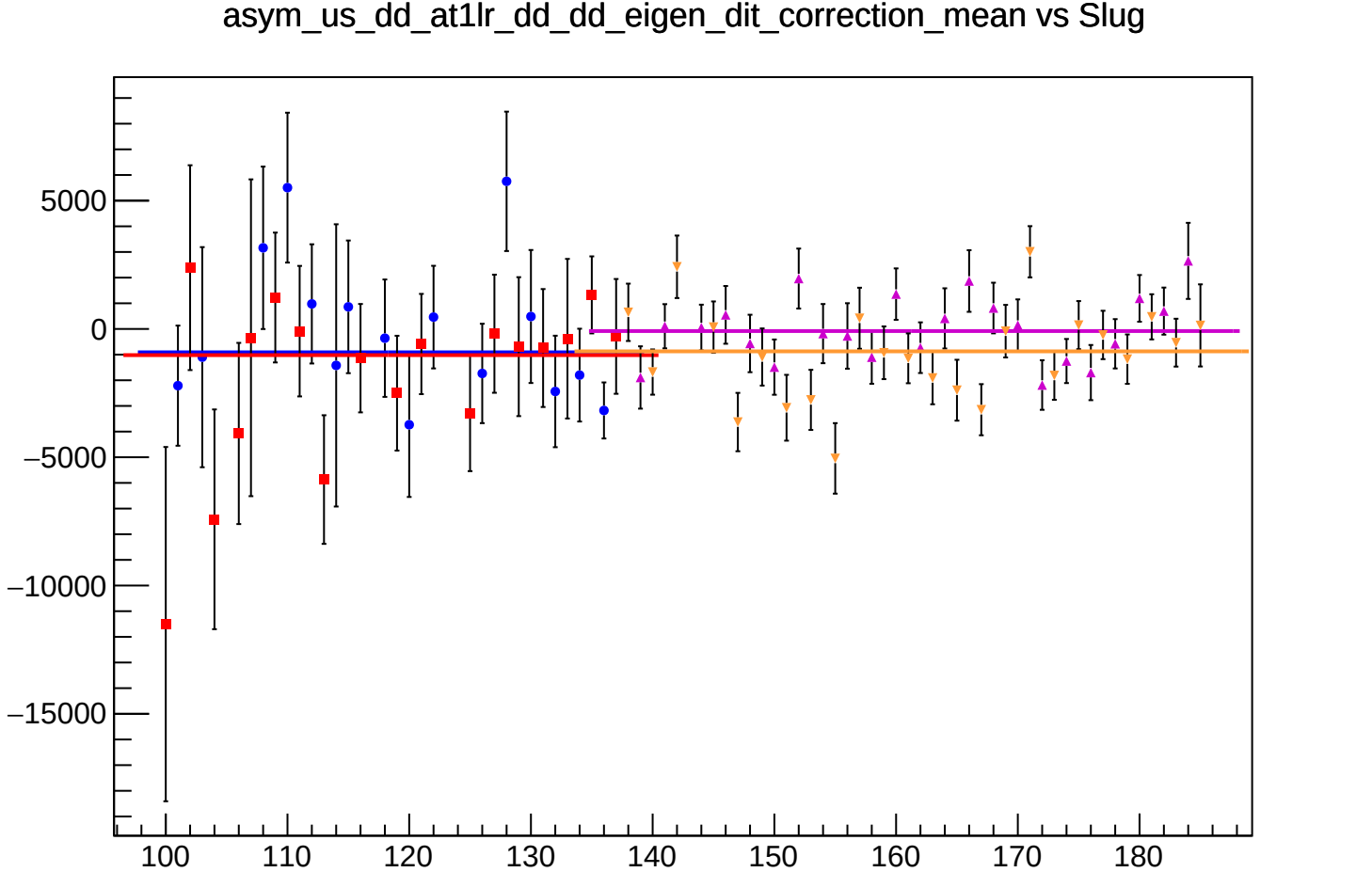
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.698+/-0.247 χ^2/NDF: 729083.6/39

All: 1769.501+/-0.176 χ^2/NDF: 1080791.0/80

- 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: -872.826+/-214.008 χ^2/NDF:62.0/23

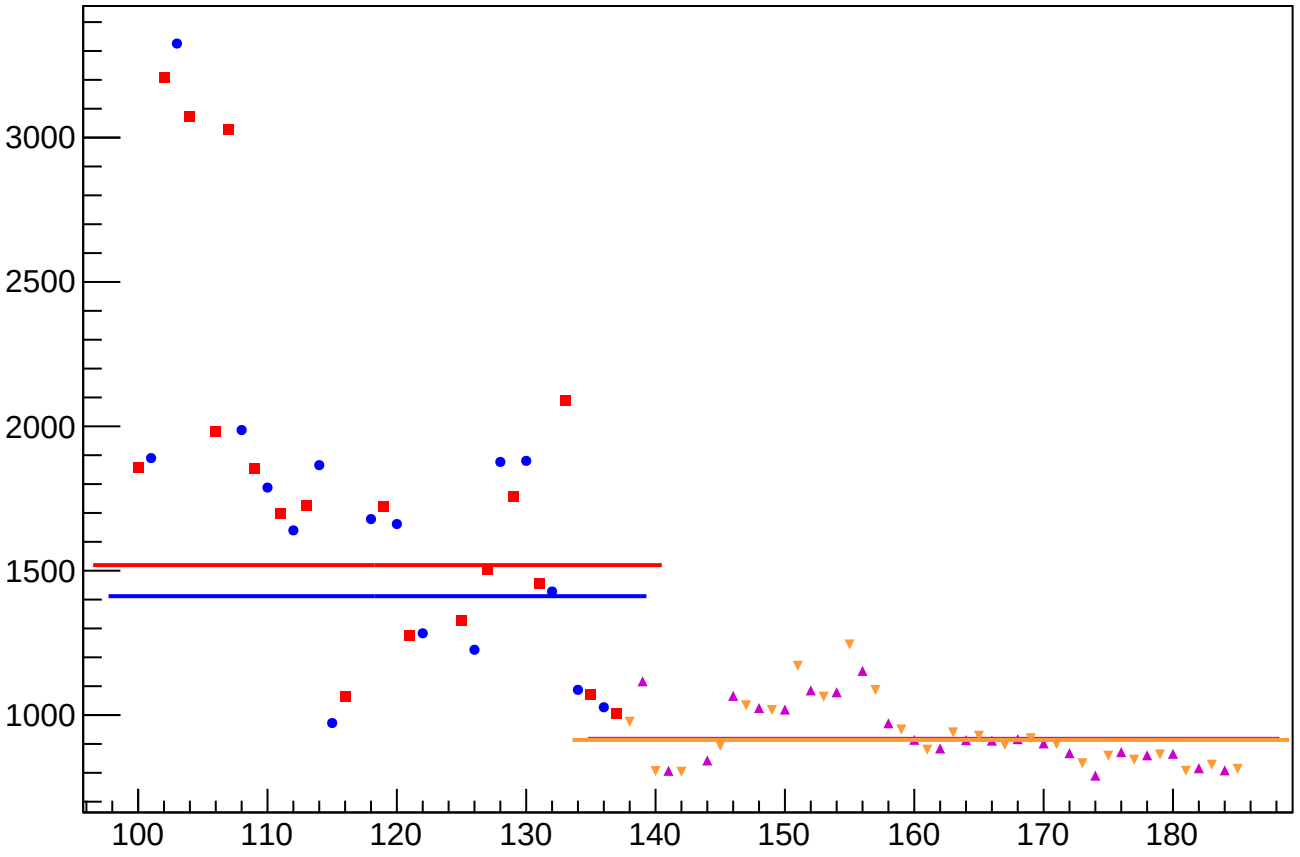
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -877.826+/-199.481 χ^2/NDF: 83.0/39

All: -540.540+/-142.223 χ^2/NDF: 135.9/80

- 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: 913.898+/-0.151 χ^2/NDF:462858.6/23

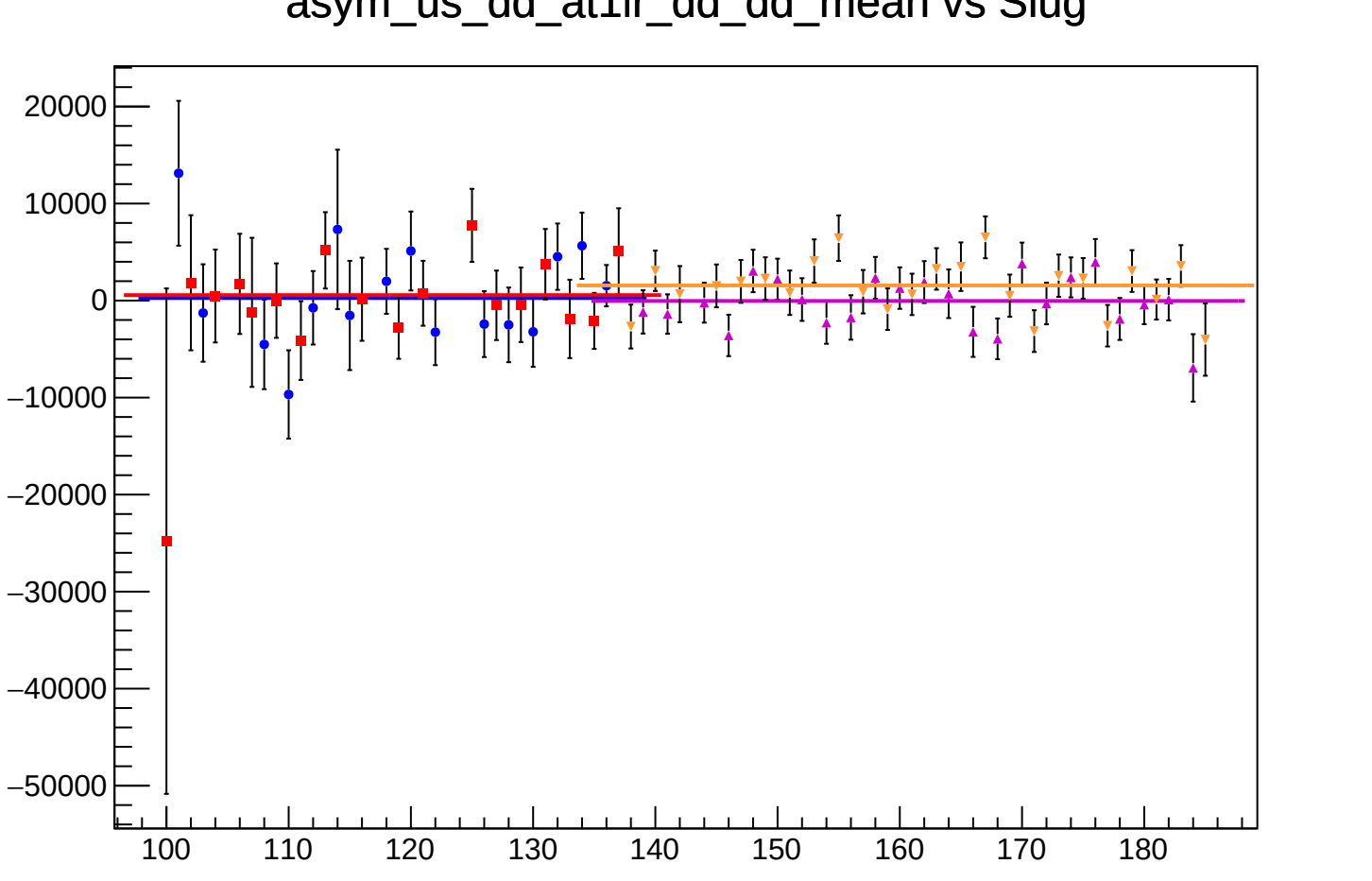
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 979.190+/-0.141 χ^2/NDF: 3060067.1/39

All: 983.714+/-0.101 χ^2/NDF: 6678082.7/80

- 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: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

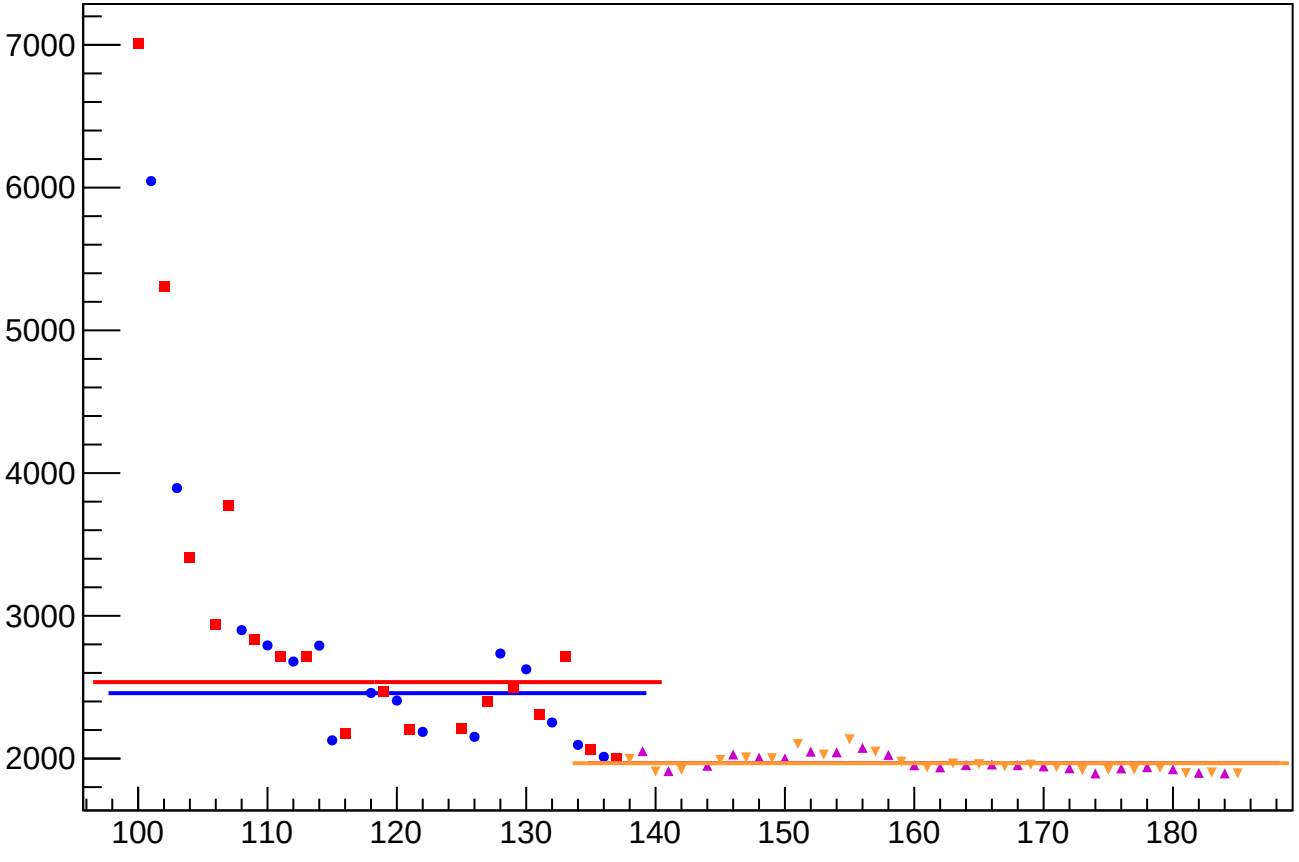
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1314.353+/-411.081 χ^2/NDF: 51.8/39

All: 698.974+/-292.063 χ^2/NDF: 96.2/80

- 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: 1967.416+/-0.323 χ^2/NDF:34217.6/23

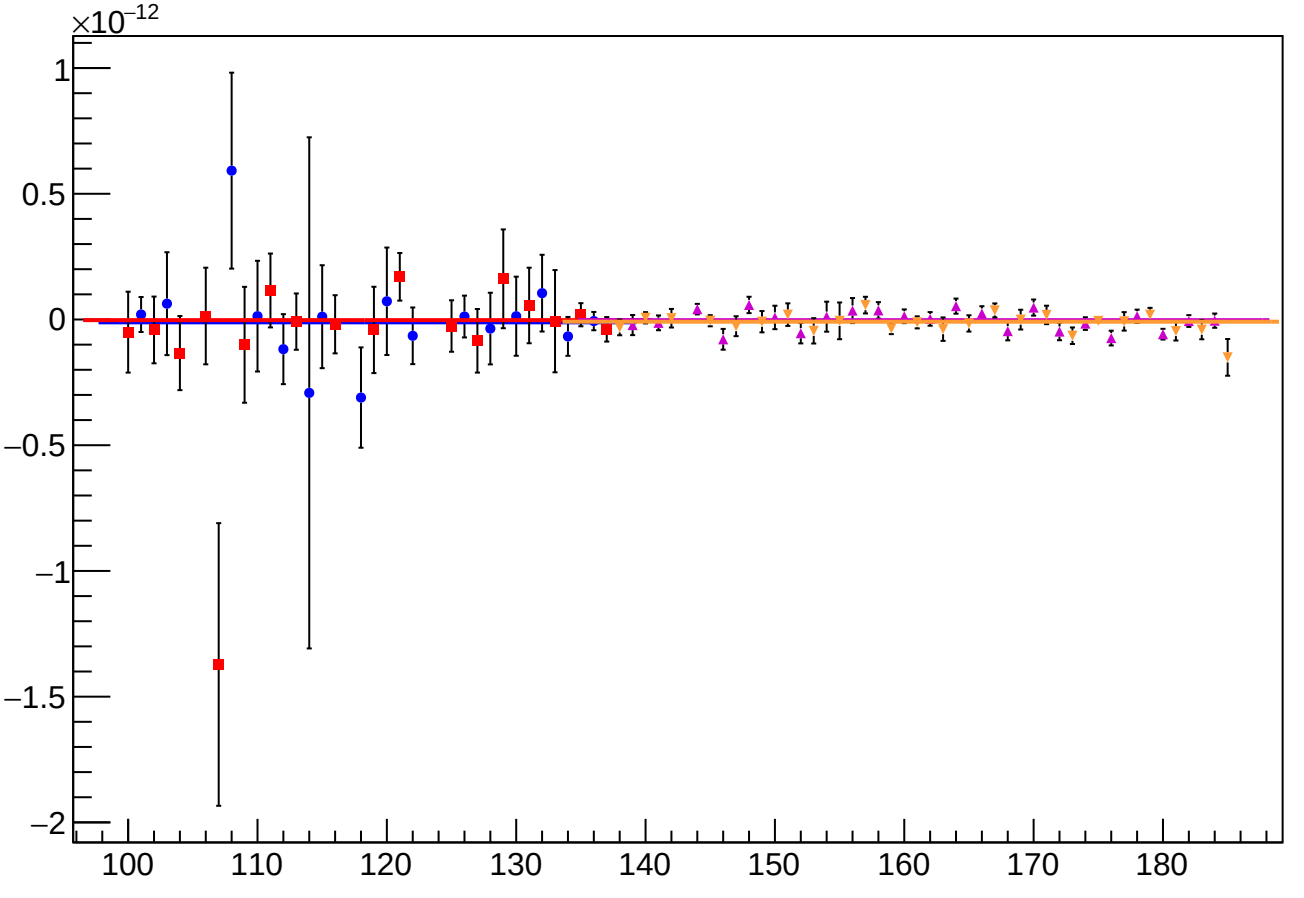
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2060.909+/-0.291 χ^2/NDF: 1306857.9/39

All: 2067.542+/-0.207 χ^2/NDF: 2571905.0/80

- 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:20.8/23

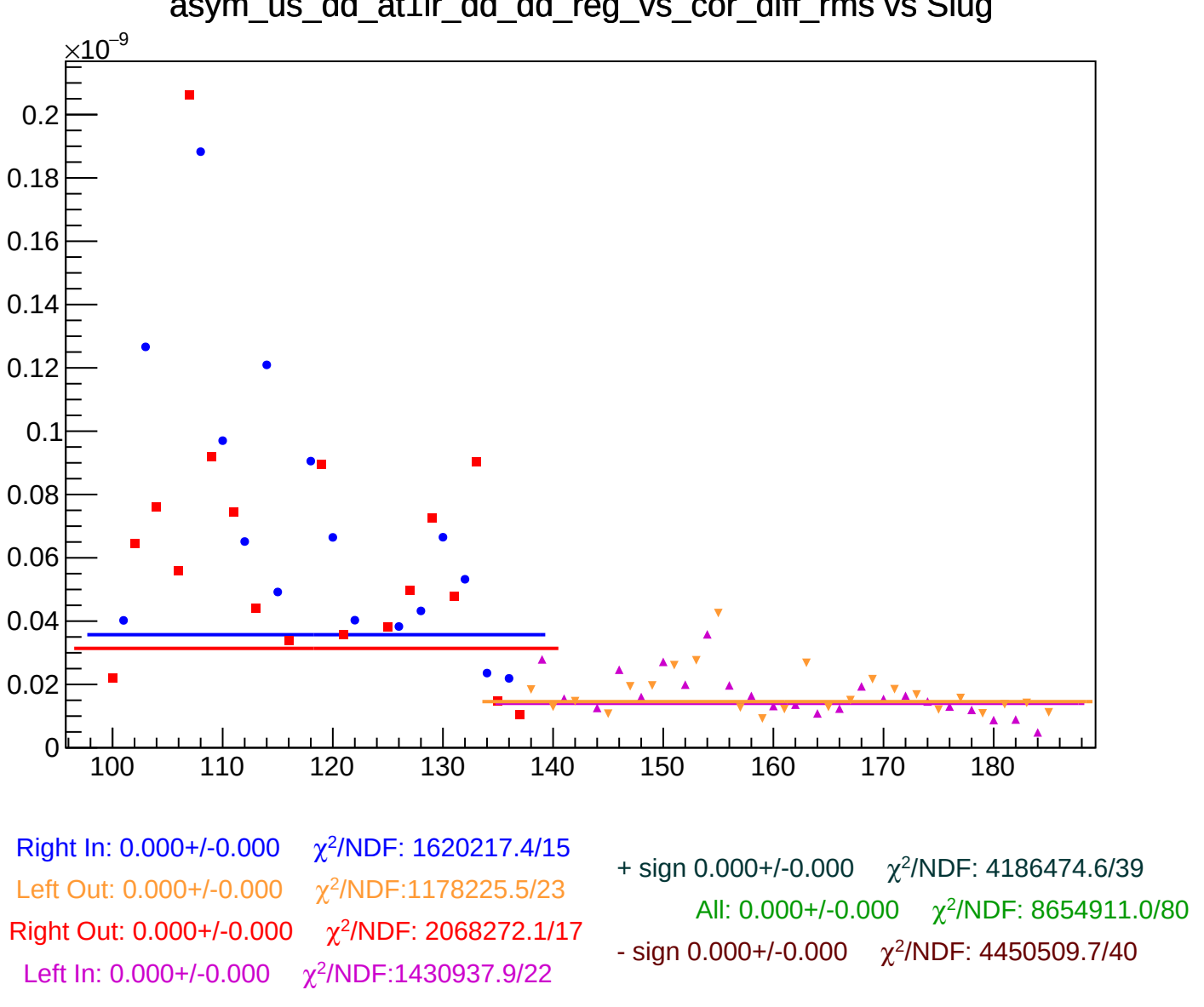
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

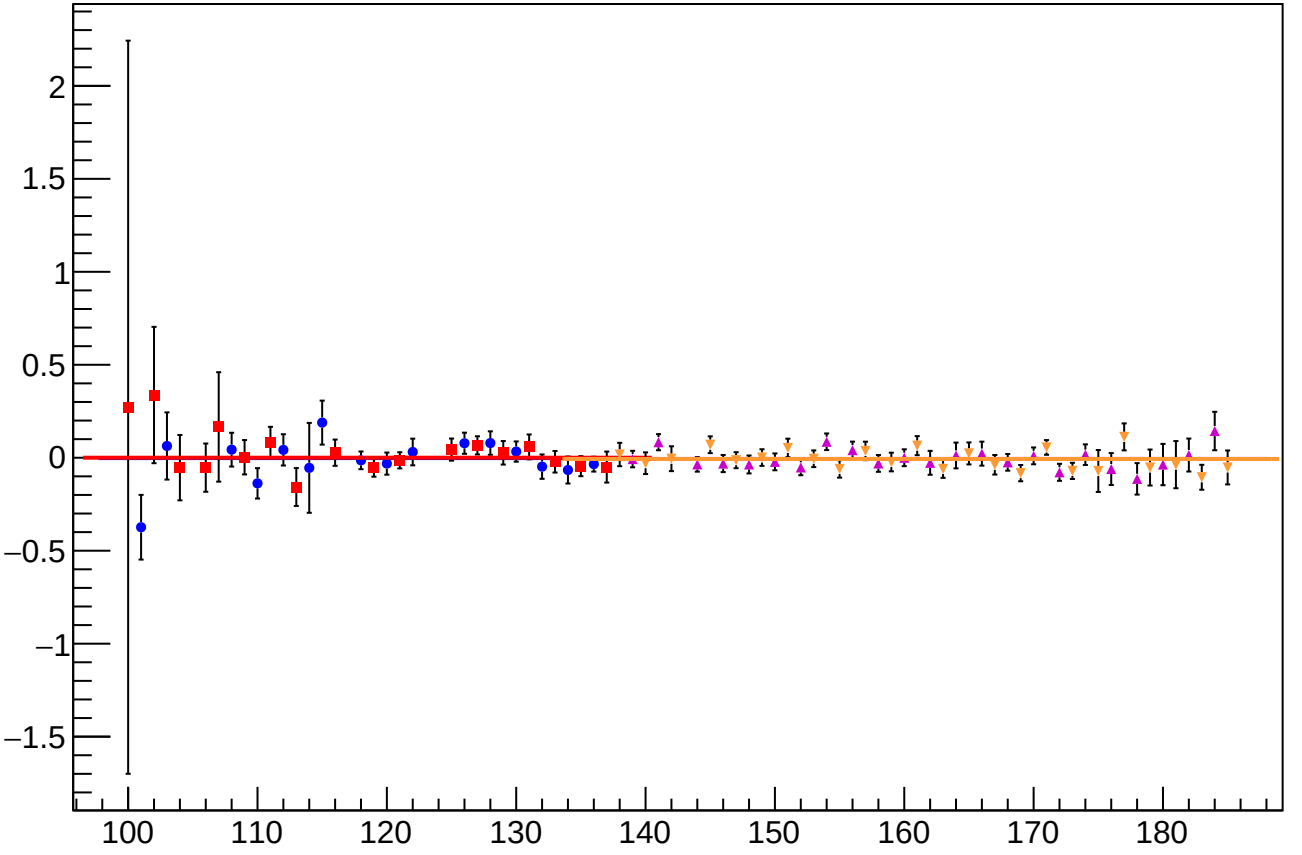
+ sign -0.000+/-0.000 χ^2/NDF: 28.1/39

All: -0.000+/-0.000 χ^2/NDF: 80.8/80

- 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:1178225.5/23
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: 4186474.6/39
All: 0.000+/-0.000 χ²/NDF: 8654911.0/80
- 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: -0.007+/-0.011 χ^2/NDF:23.9/23

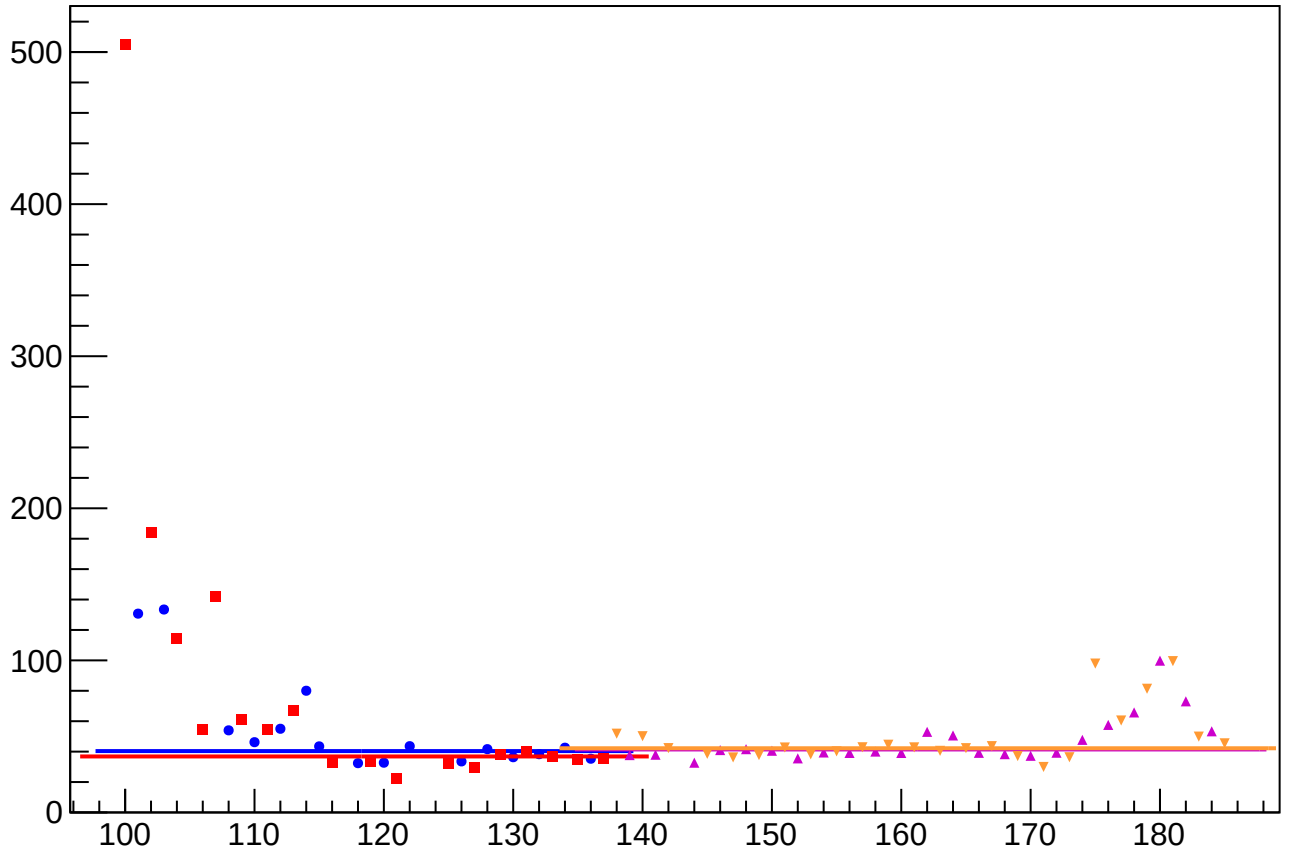
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 41.1/39

All: -0.005+/-0.006 χ^2/NDF: 72.2/80

- 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: 42.208+/-0.008 χ^2/NDF:1819371.1/23

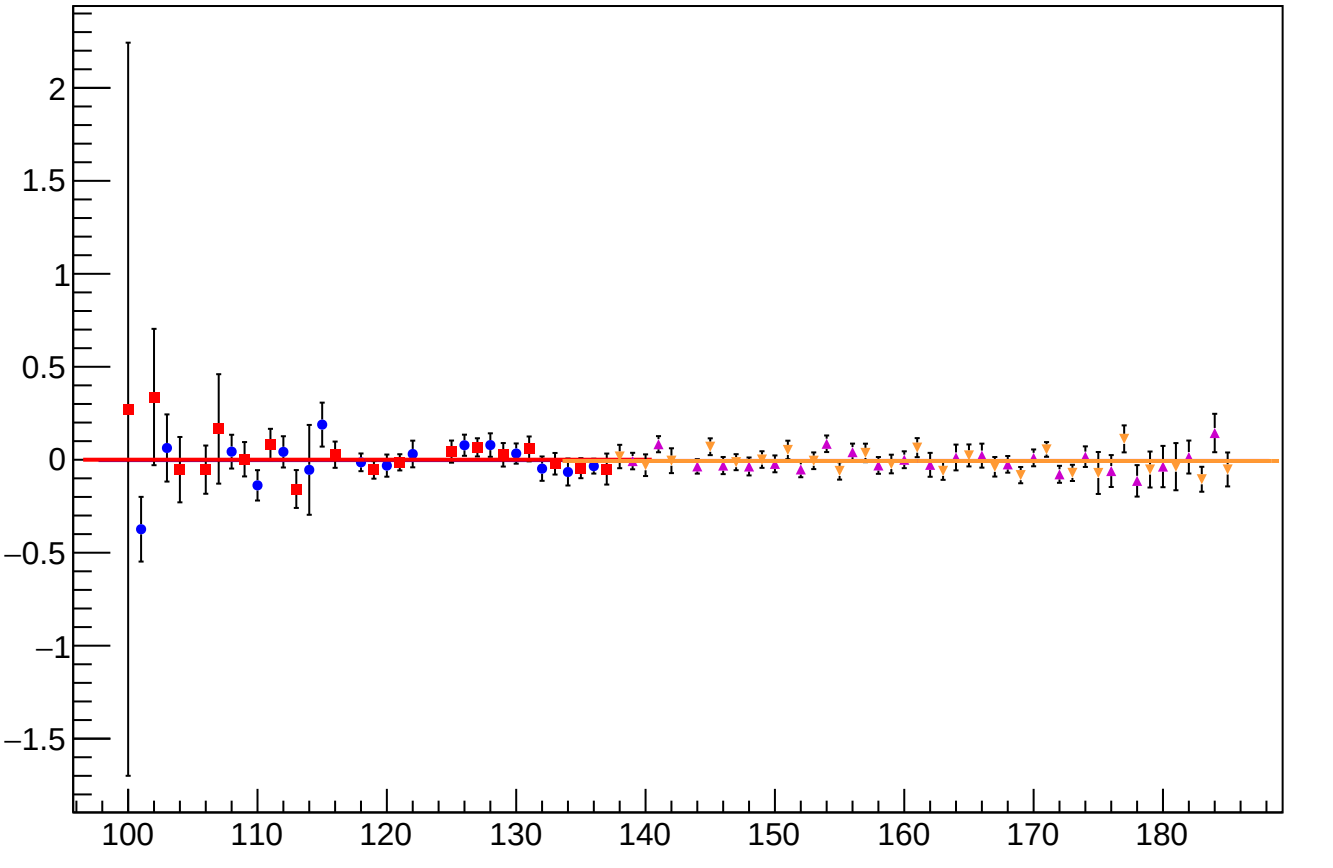
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.669+/-0.007 χ^2/NDF: 3246277.2/39

All: 40.856+/-0.005 χ^2/NDF: 6633755.8/80

- sign 40.072+/-0.006 χ^2/NDF: 3356751.3/40



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

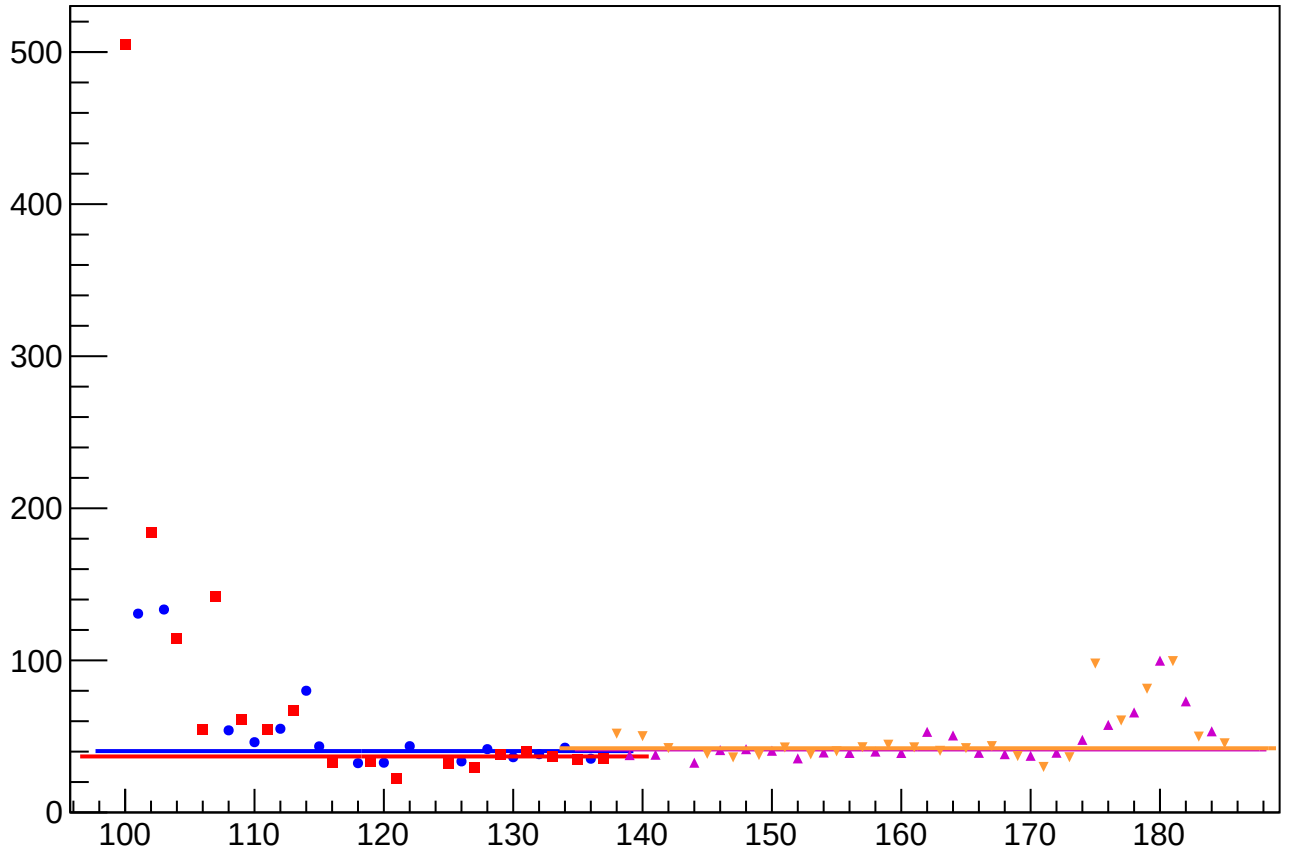
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 41.1/39

All: -0.005+/-0.006 χ^2/NDF: 72.2/80

- 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: 42.208+/-0.008 χ^2/NDF:1819371.1/23

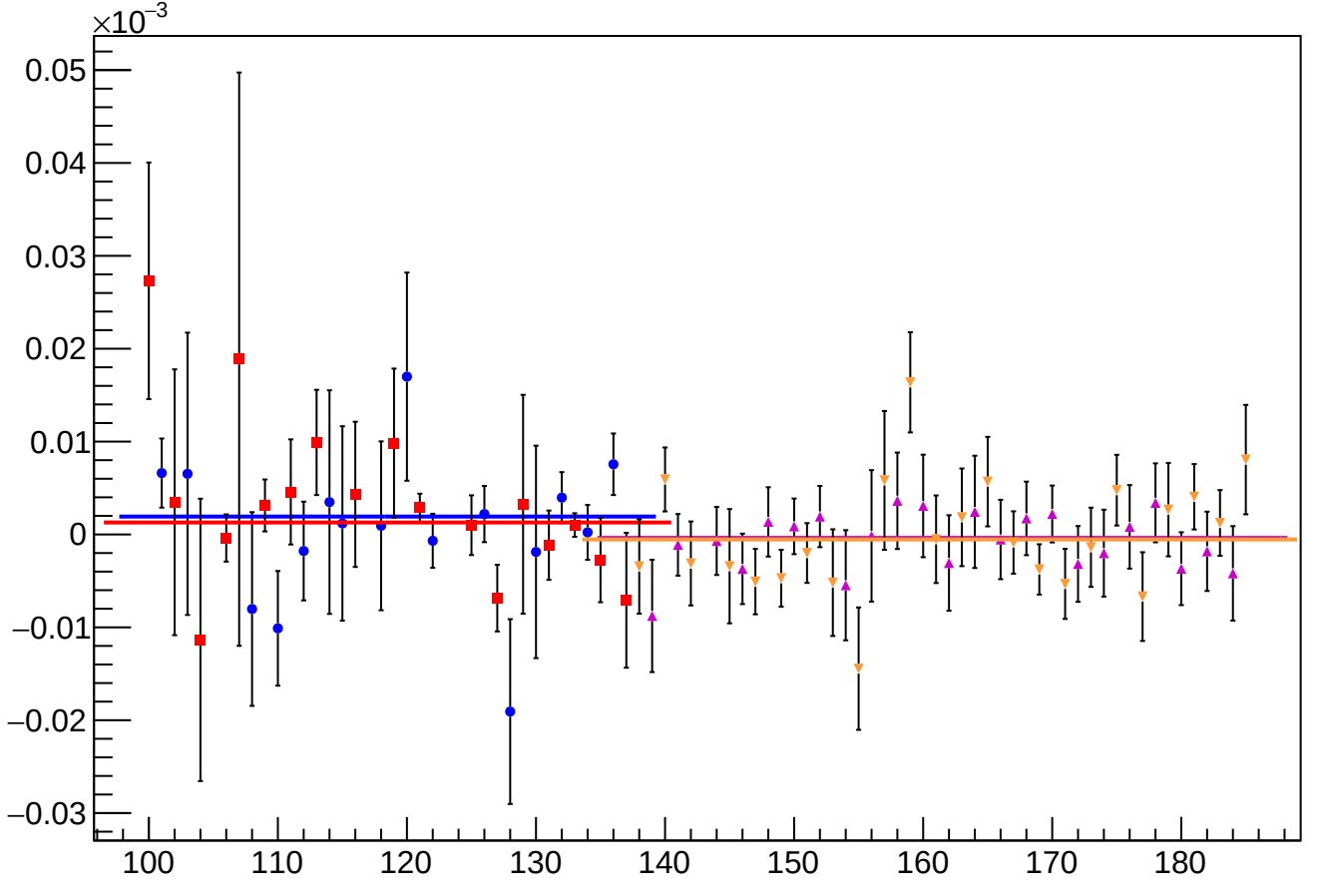
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.669+/-0.007 χ^2/NDF: 3246277.2/39

All: 40.856+/-0.005 χ^2/NDF: 6633755.8/80

- 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:36.8/23

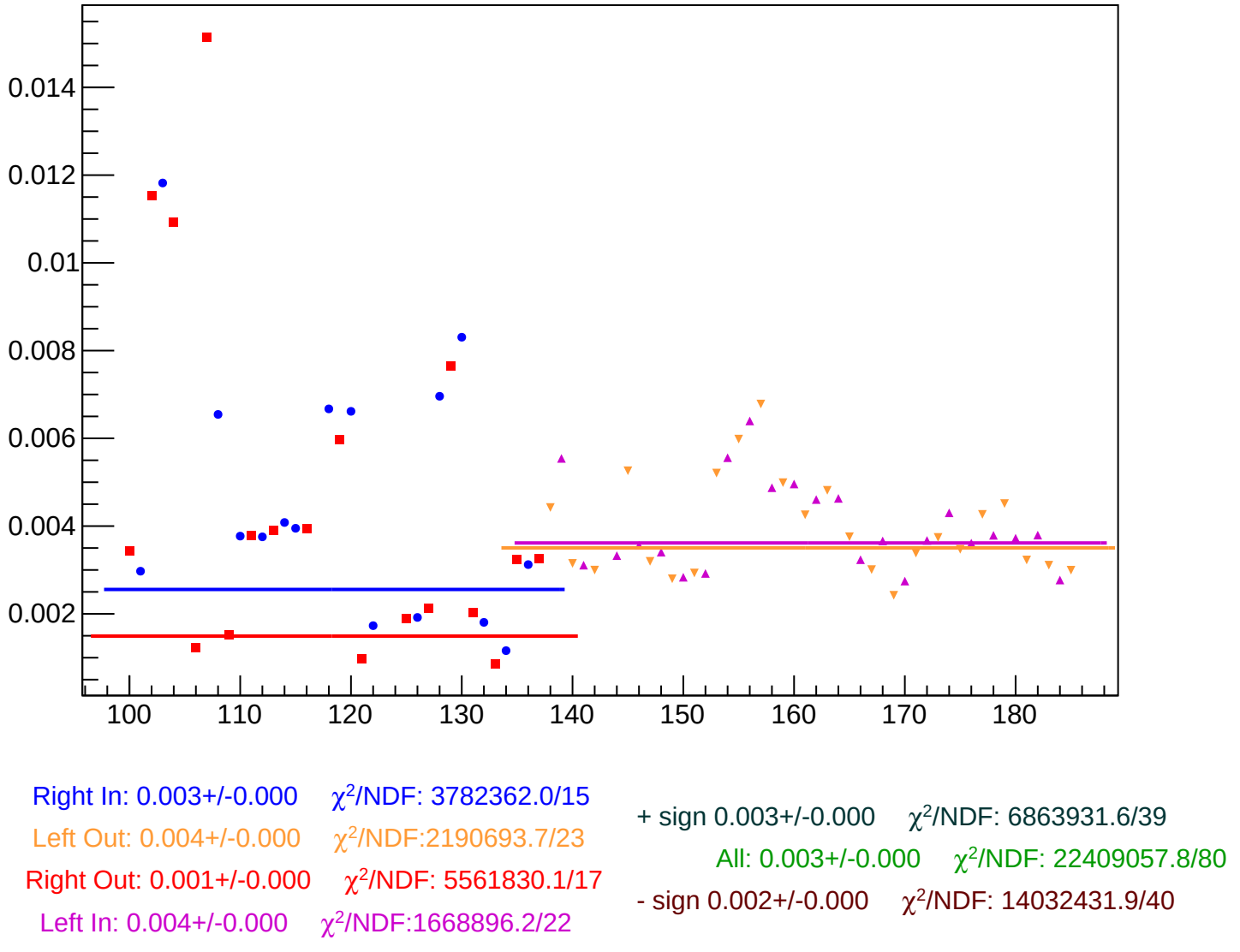
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

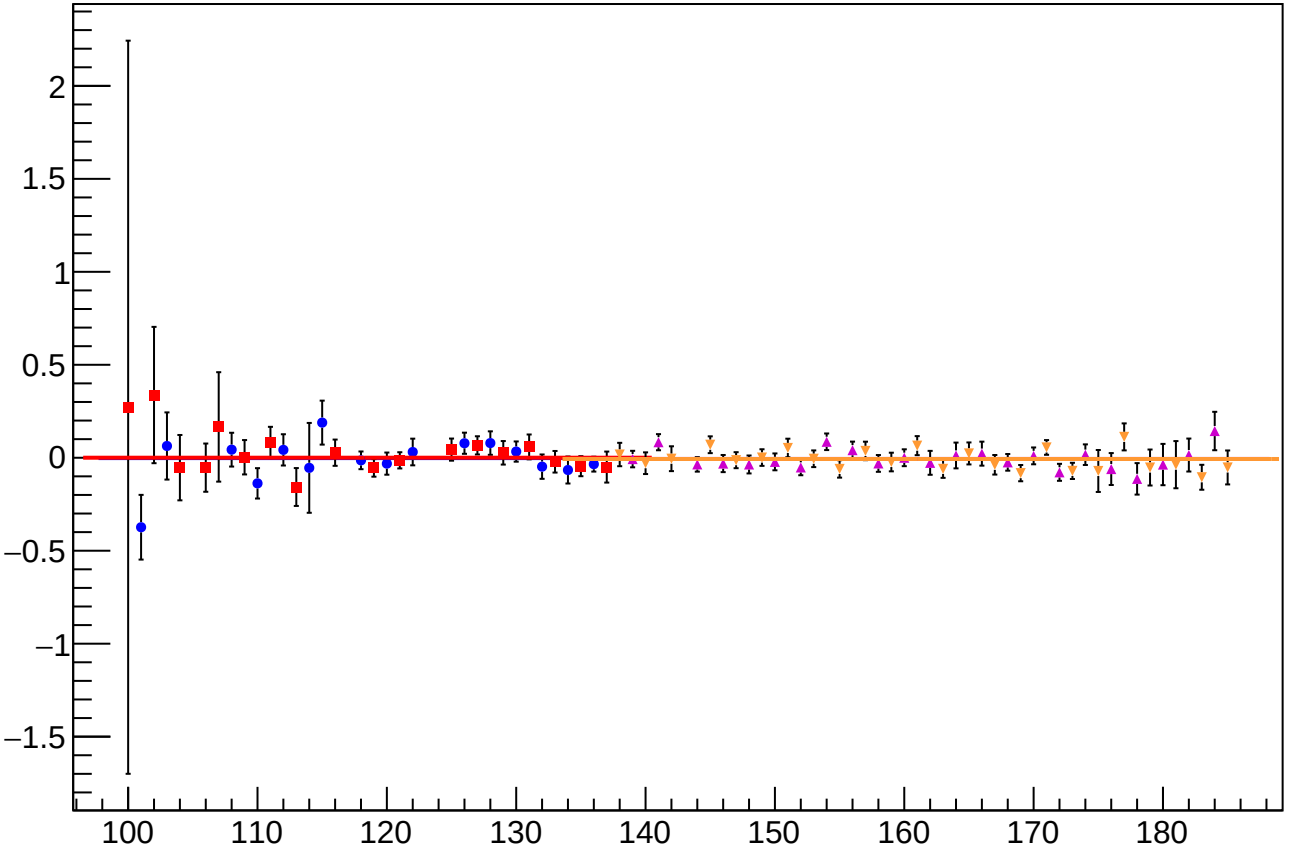
+ sign 0.000+/-0.000 χ^2/NDF: 57.7/39

All: 0.000+/-0.000 χ^2/NDF: 88.5/80

- 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:2190693.7/23
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: 6863931.6/39
All: 0.003+/-0.000 χ²/NDF: 22409057.8/80
- sign 0.002+/-0.000 χ²/NDF: 14032431.9/40

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

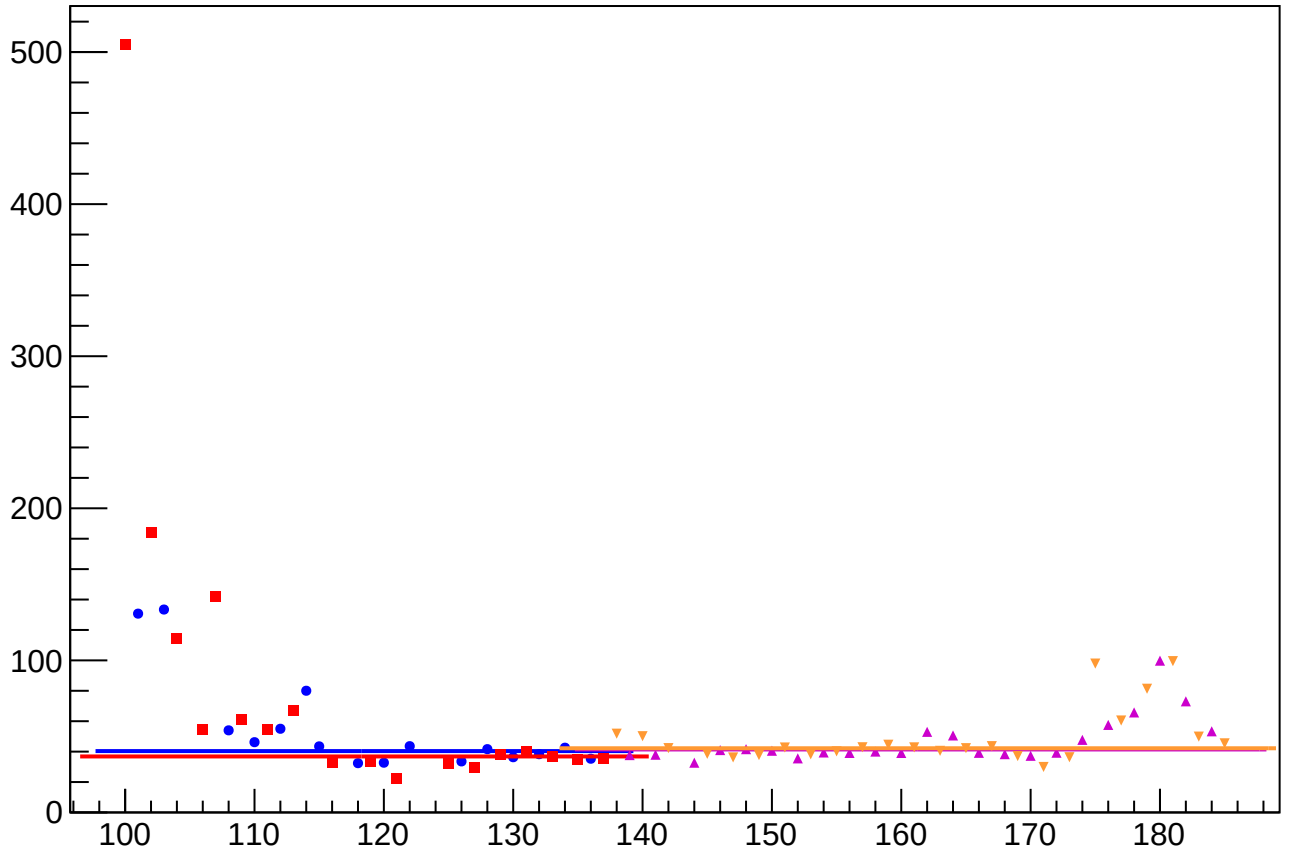
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 41.1/39

All: -0.005+/-0.006 χ^2/NDF: 72.2/80

- 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: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

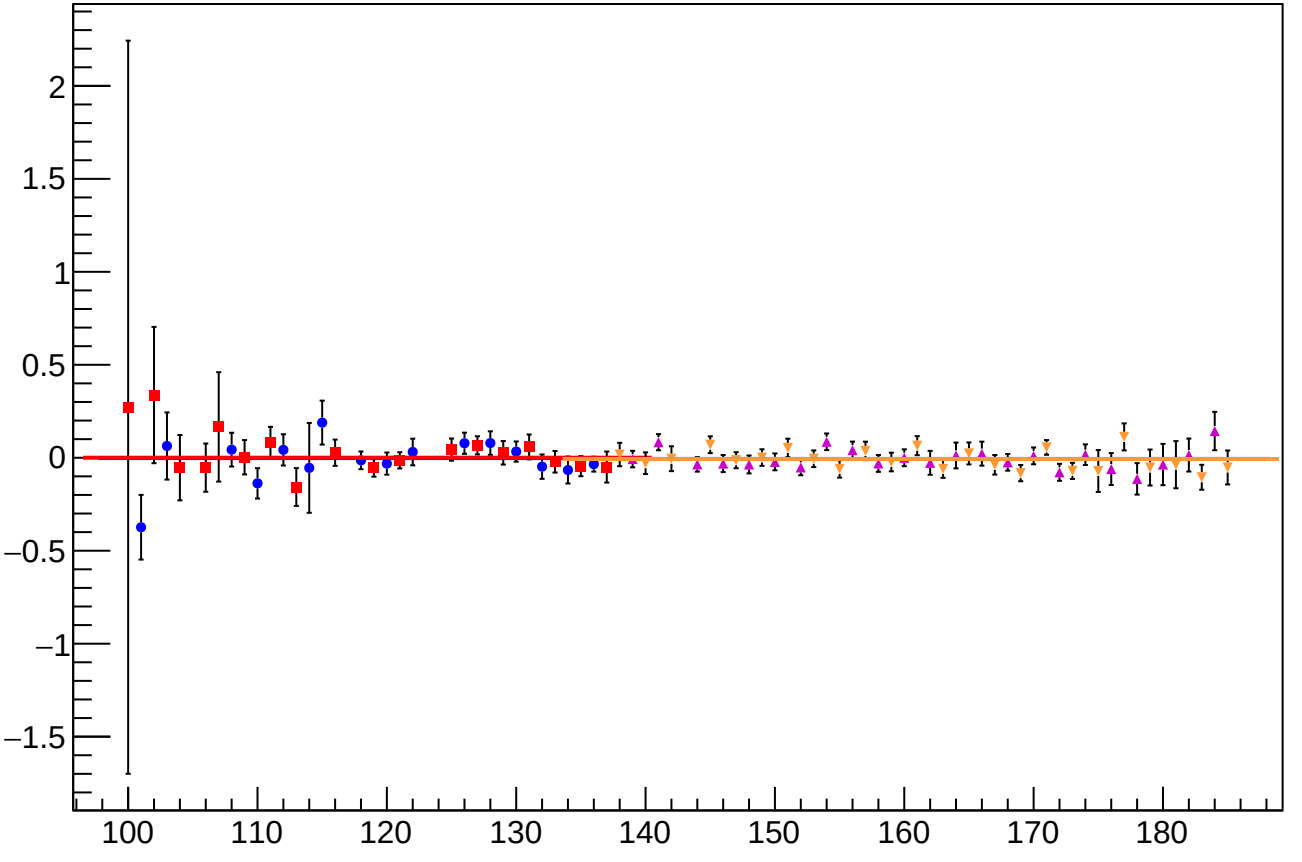
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.669+/-0.007 χ^2/NDF: 3246168.6/39

All: 40.855+/-0.005 χ^2/NDF: 6633625.8/80

\- 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



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

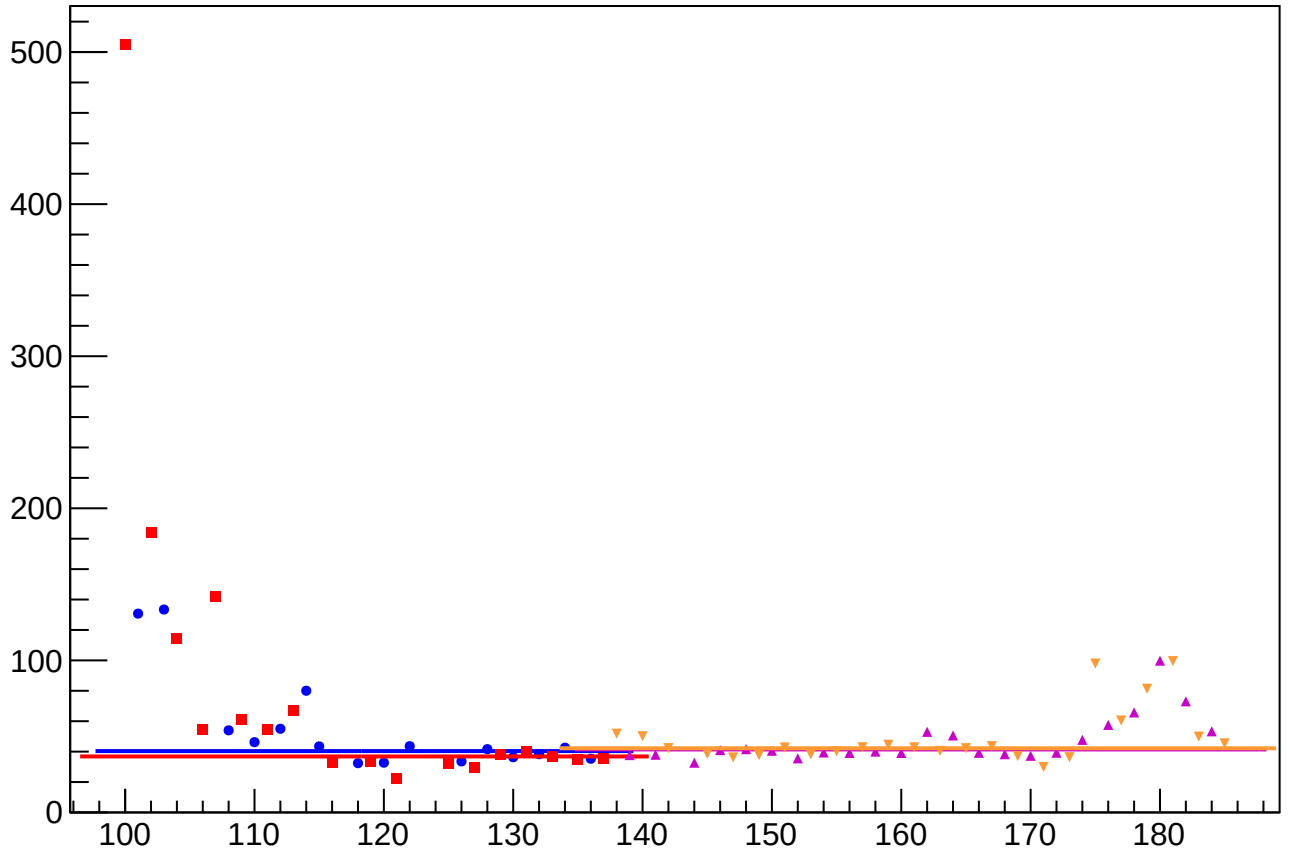
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.005+/-0.009 χ^2/NDF: 41.1/39

All: -0.005+/-0.006 χ^2/NDF: 72.2/80

- 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: 42.208+/-0.008 χ^2/NDF:1819378.3/23

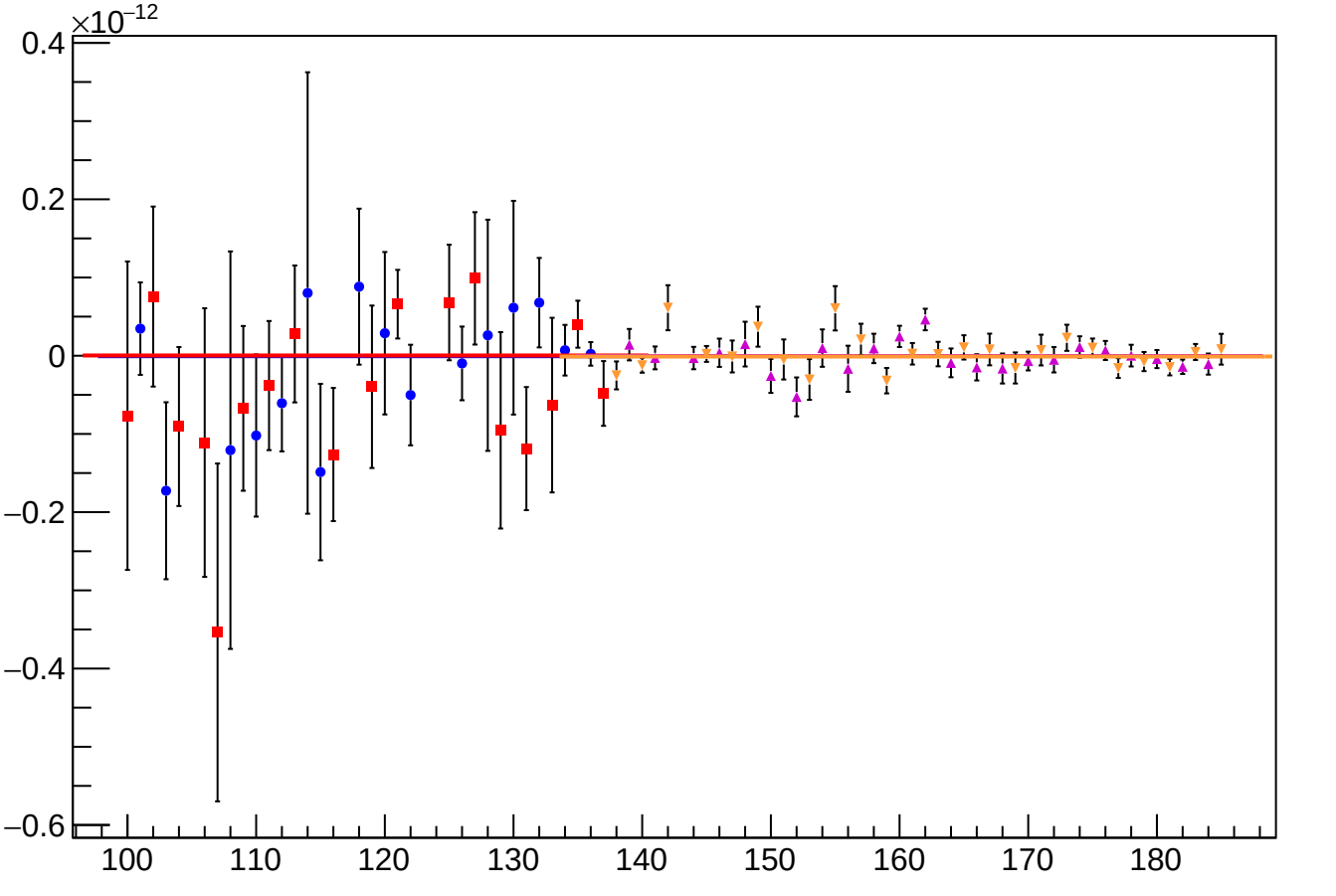
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.669+/-0.007 χ^2/NDF: 3246168.6/39

All: 40.855+/-0.005 χ^2/NDF: 6633625.8/80

- sign 40.071+/-0.006 χ^2/NDF: 3356716.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

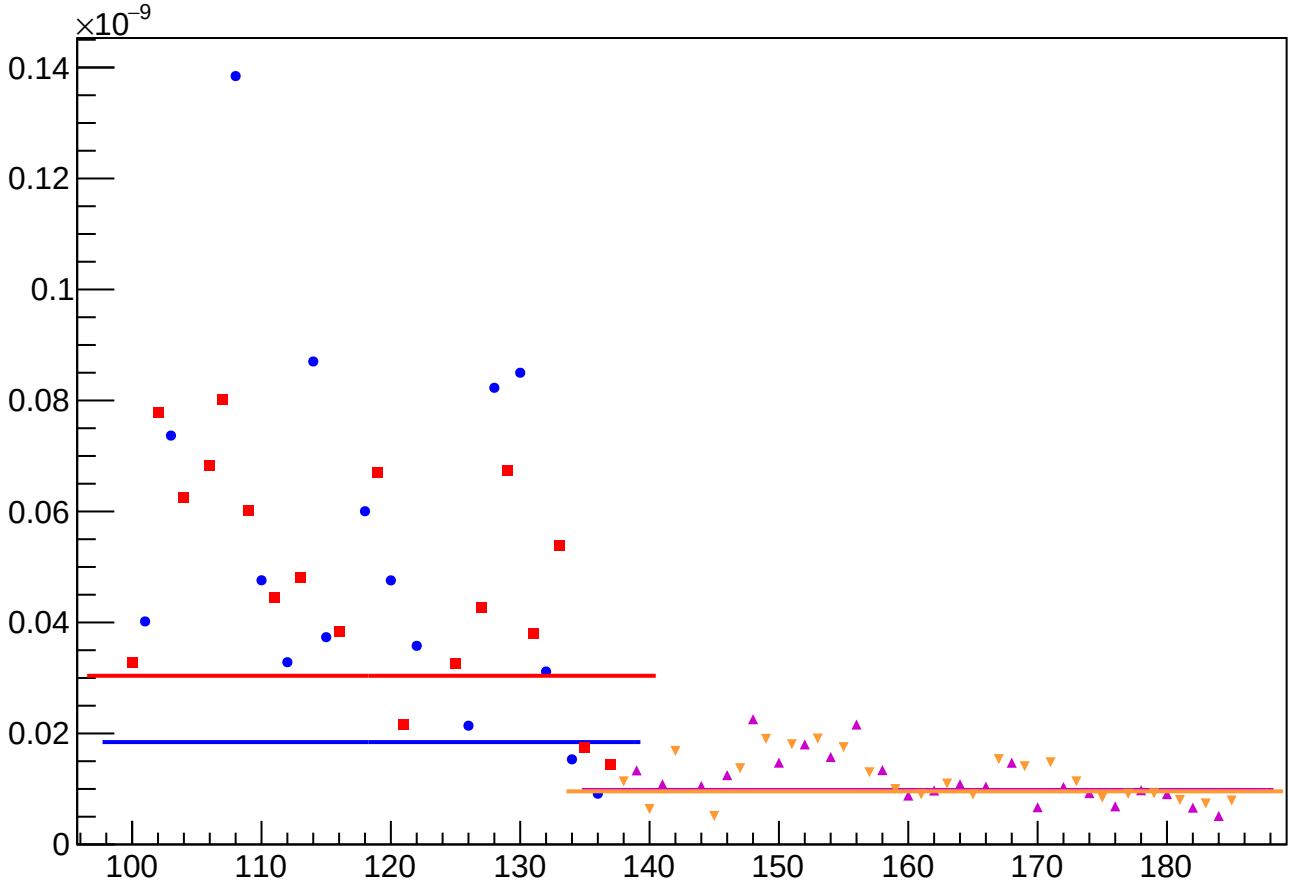
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/39

All: -0.000+/-0.000 χ^2/NDF: 86.1/80

- sign -0.000+/-0.000 χ^2/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:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

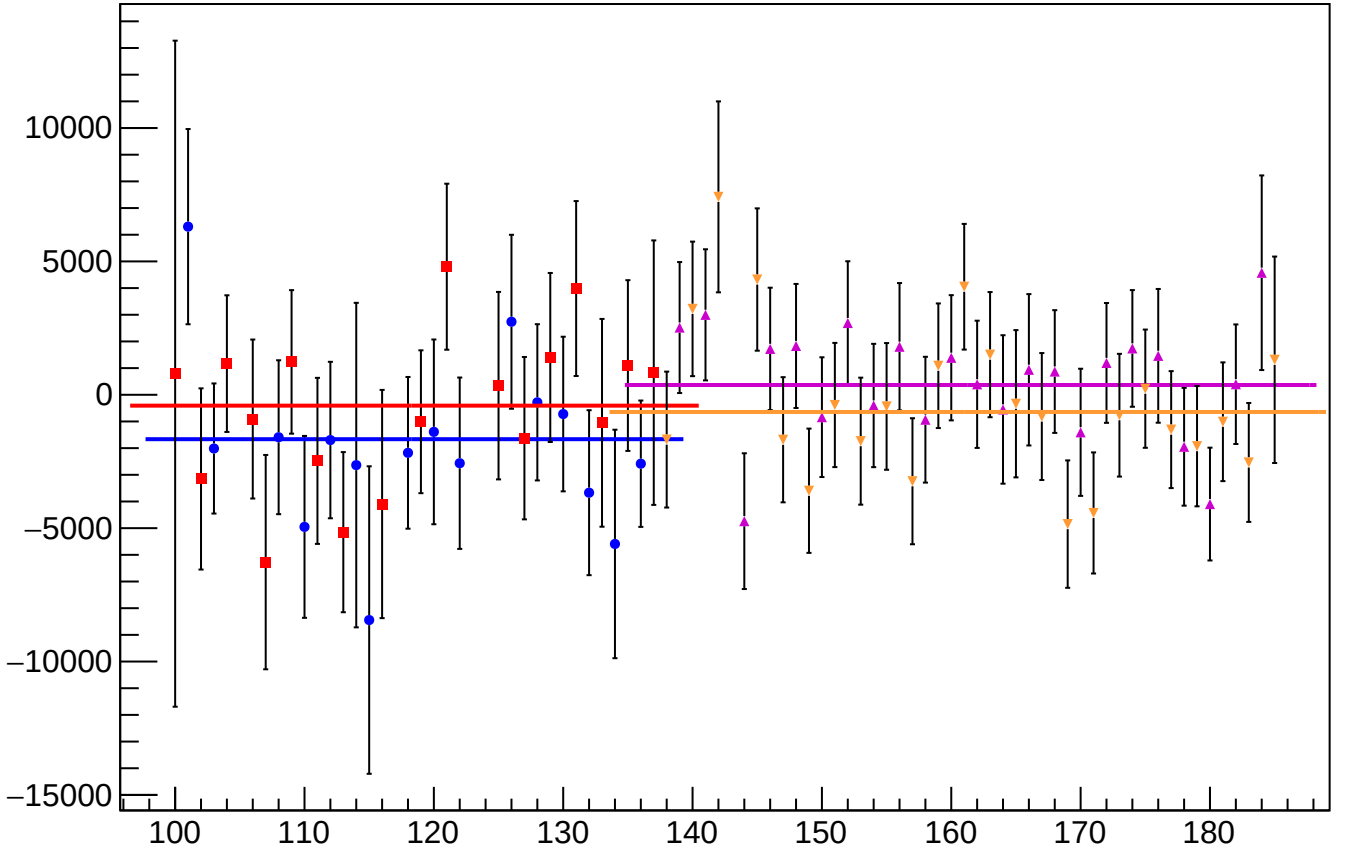
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7568319.5/39

All: 0.000+/-0.000 χ^2/NDF: 15234677.1/80

- sign 0.000+/-0.000 χ^2/NDF: 7649098.2/40

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

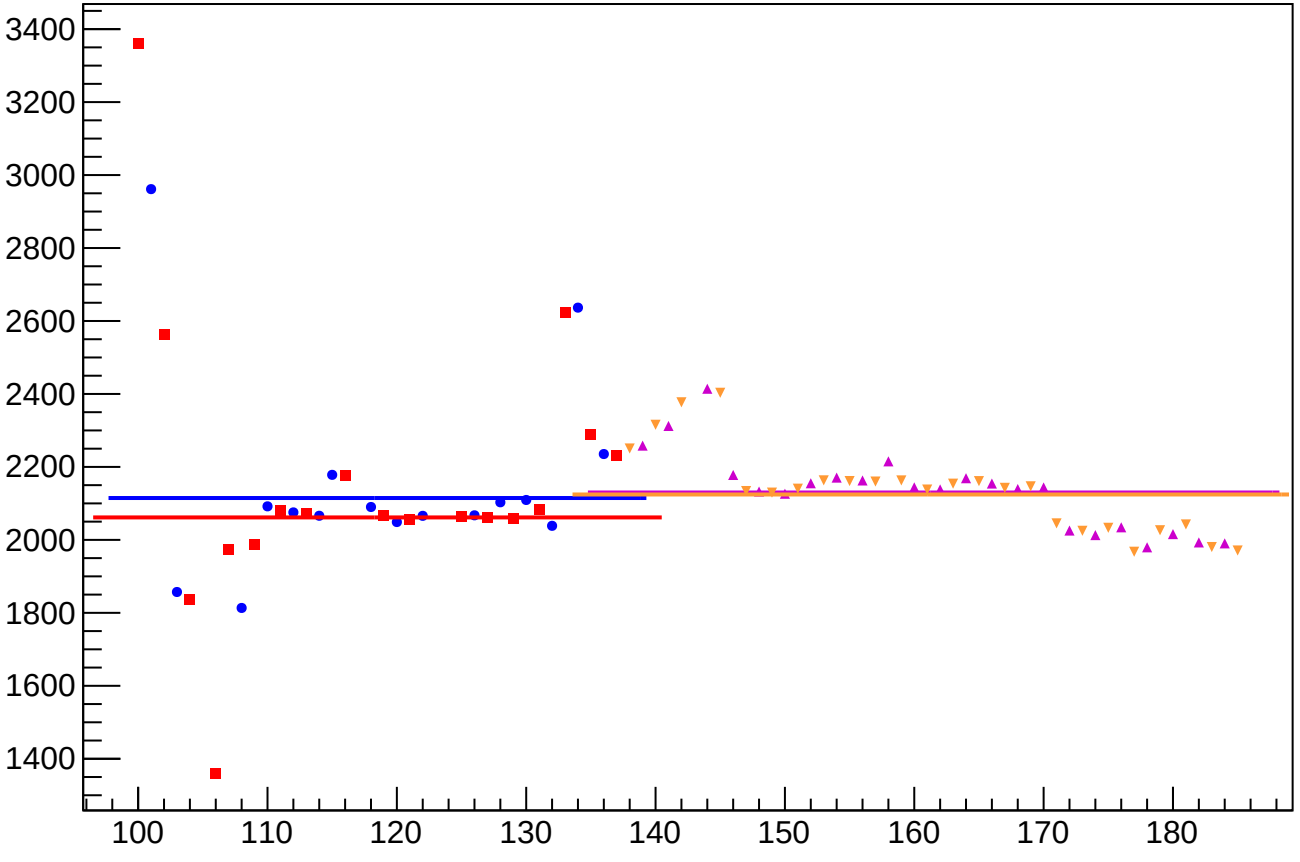
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -929.283+/-418.978 χ^2/NDF: 39.1/39

All: -394.155+/-296.354 χ^2/NDF: 73.1/80

- 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: 2124.437+/-0.349 χ^2/NDF:89184.0/23

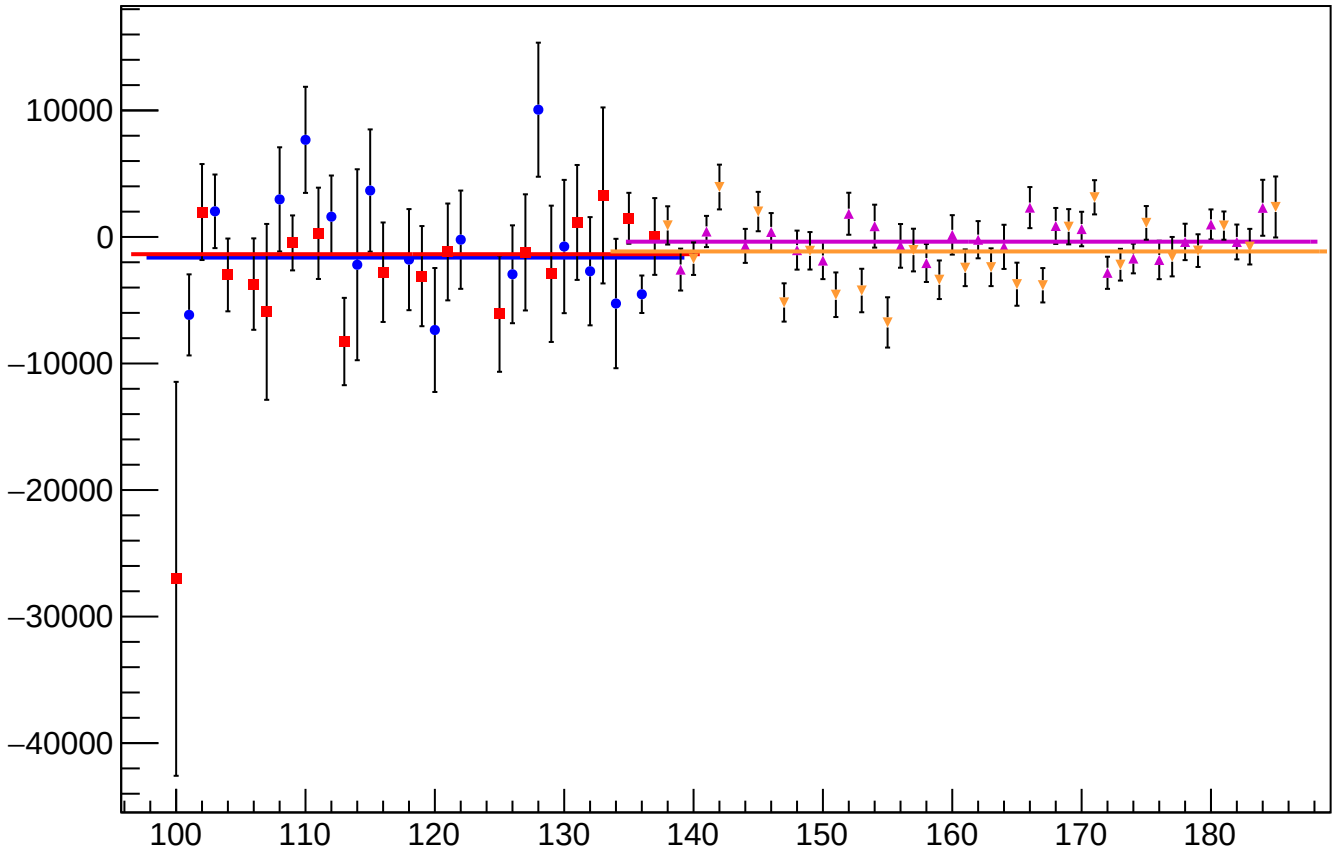
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2121.729+/-0.296 χ^2/NDF: 279319.8/39

All: 2115.873+/-0.210 χ^2/NDF: 625606.5/80

- 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: -1144.817+/-302.488 χ^2/NDF:67.5/23

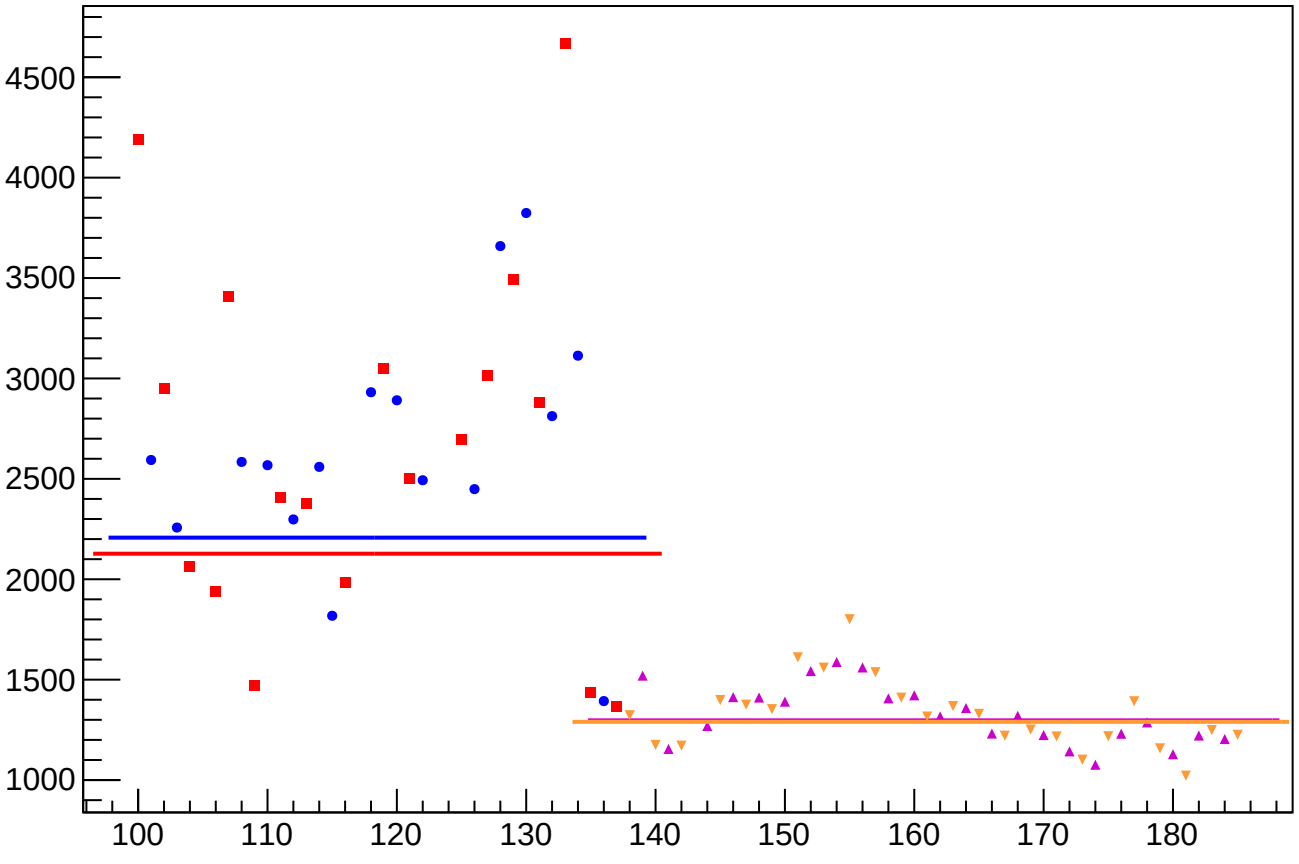
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1198.018+/-285.440 χ^2/NDF: 90.6/39

All: -845.264+/-202.392 χ^2/NDF: 128.7/80

- 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: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

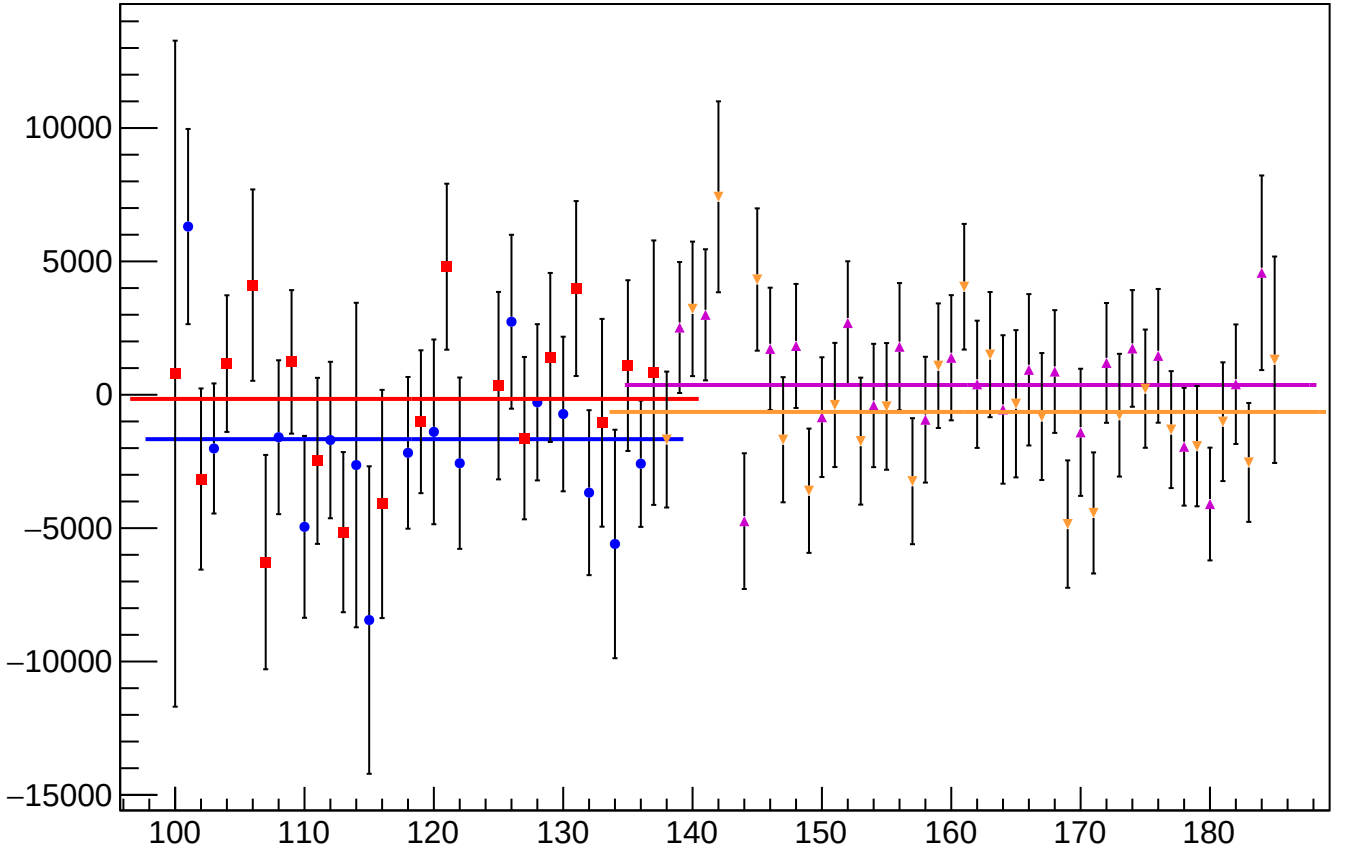
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1390.507+/-0.202 χ^2/NDF: 3831677.0/39

All: 1392.360+/-0.143 χ^2/NDF: 7446137.2/80

- sign 1394.234+/-0.203 χ^2/NDF: 3614290.7/40

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

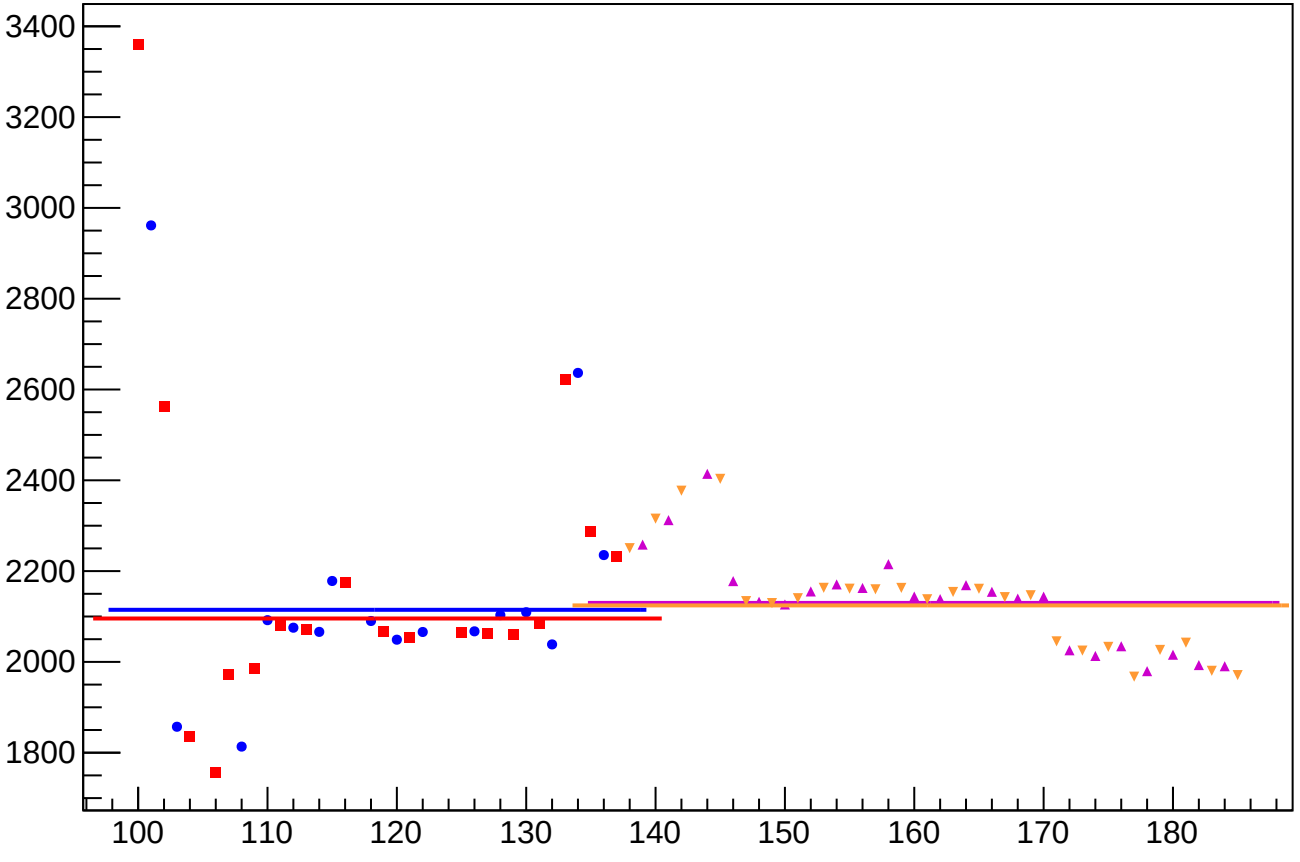
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -929.163+/-418.978 χ^2/NDF: 39.1/39

All: -358.246+/-296.809 χ^2/NDF: 74.7/80

- 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: 2124.437+/-0.349 χ^2/NDF:89184.0/23

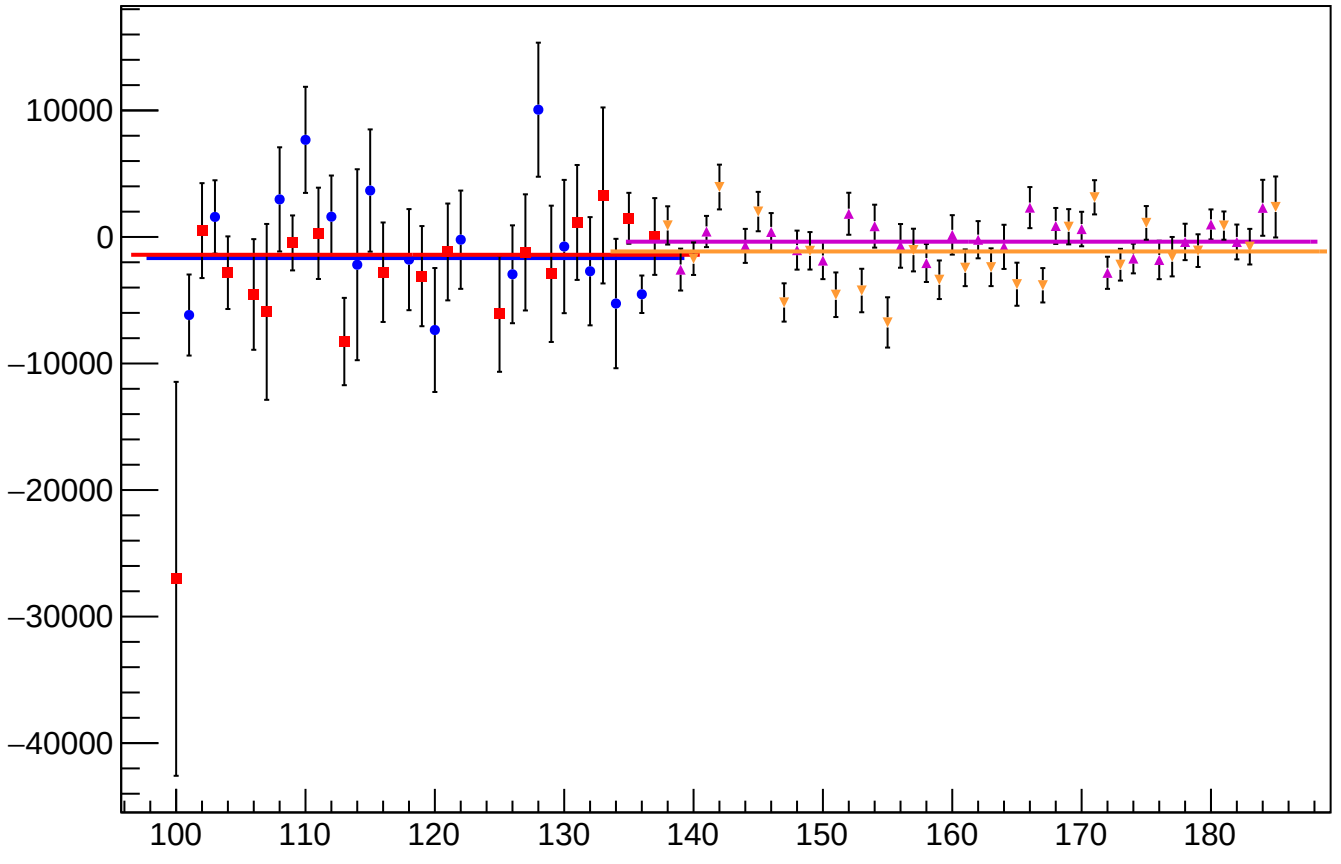
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2121.728+/-0.296 χ^2/NDF: 279320.1/39

All: 2120.900+/-0.210 χ^2/NDF: 516771.3/80

- 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: -1144.779+/-302.490 χ^2/NDF:67.5/23

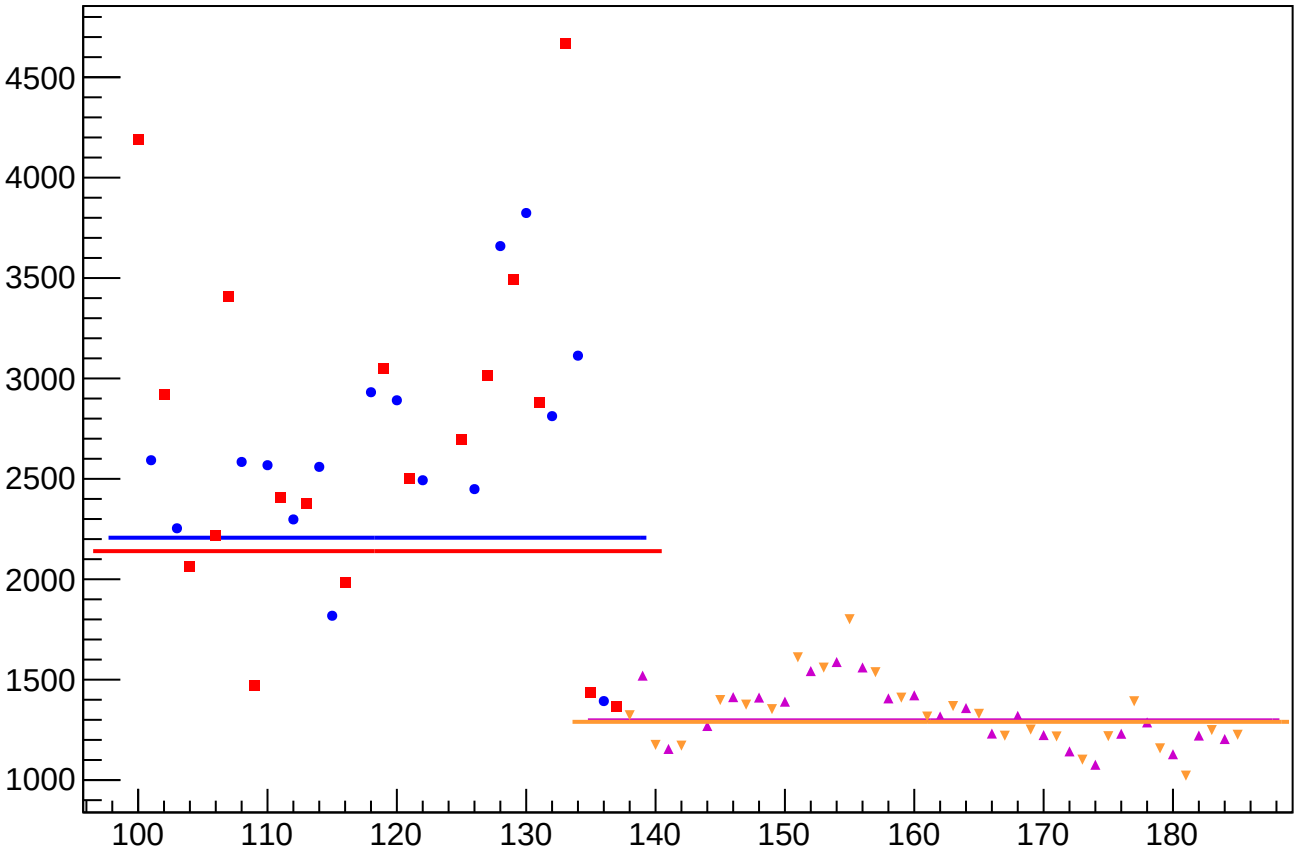
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.184+/-285.431 χ^2/NDF: 90.4/39

All: -849.488+/-202.481 χ^2/NDF: 128.0/80

- sign -492.208+/-287.280 χ^2/NDF: 34.6/40



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

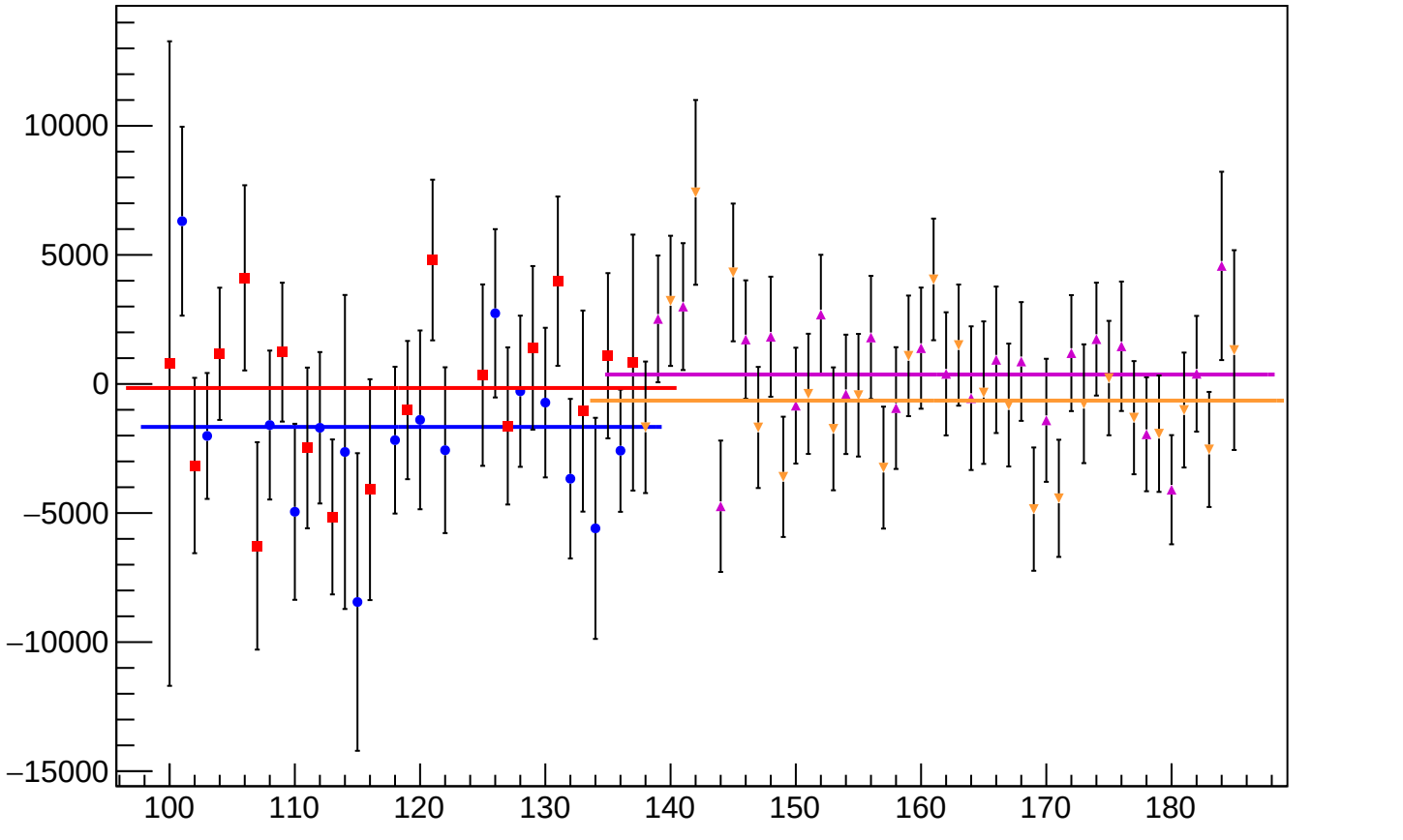
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1390.542+/-0.202 χ^2/NDF: 3831050.1/39

All: 1392.445+/-0.143 χ^2/NDF: 7464946.9/80

- 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: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

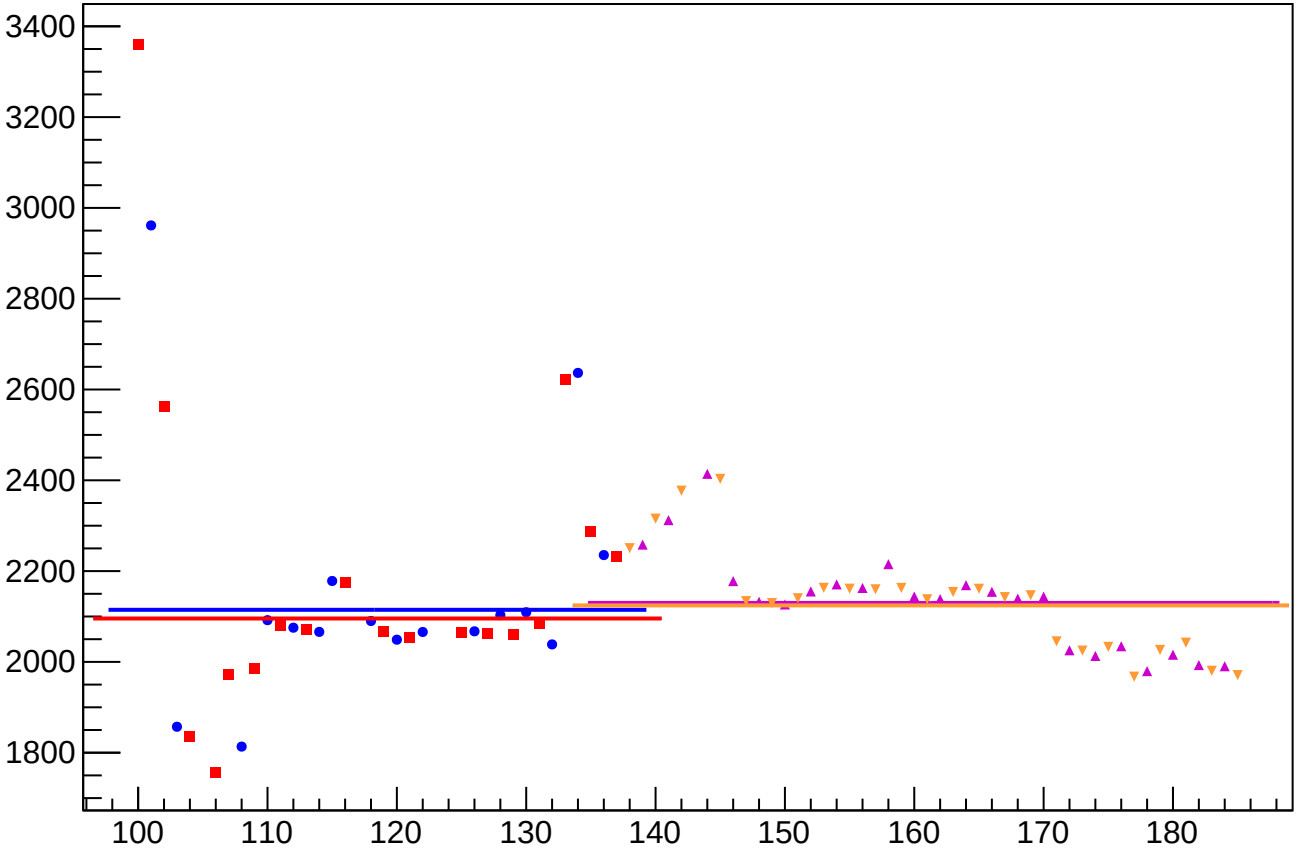
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -929.163+/-418.978 χ^2/NDF: 39.1/39

All: -358.246+/-296.809 χ^2/NDF: 74.7/80

- 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: 2124.437+/-0.349 χ^2/NDF:89184.0/23

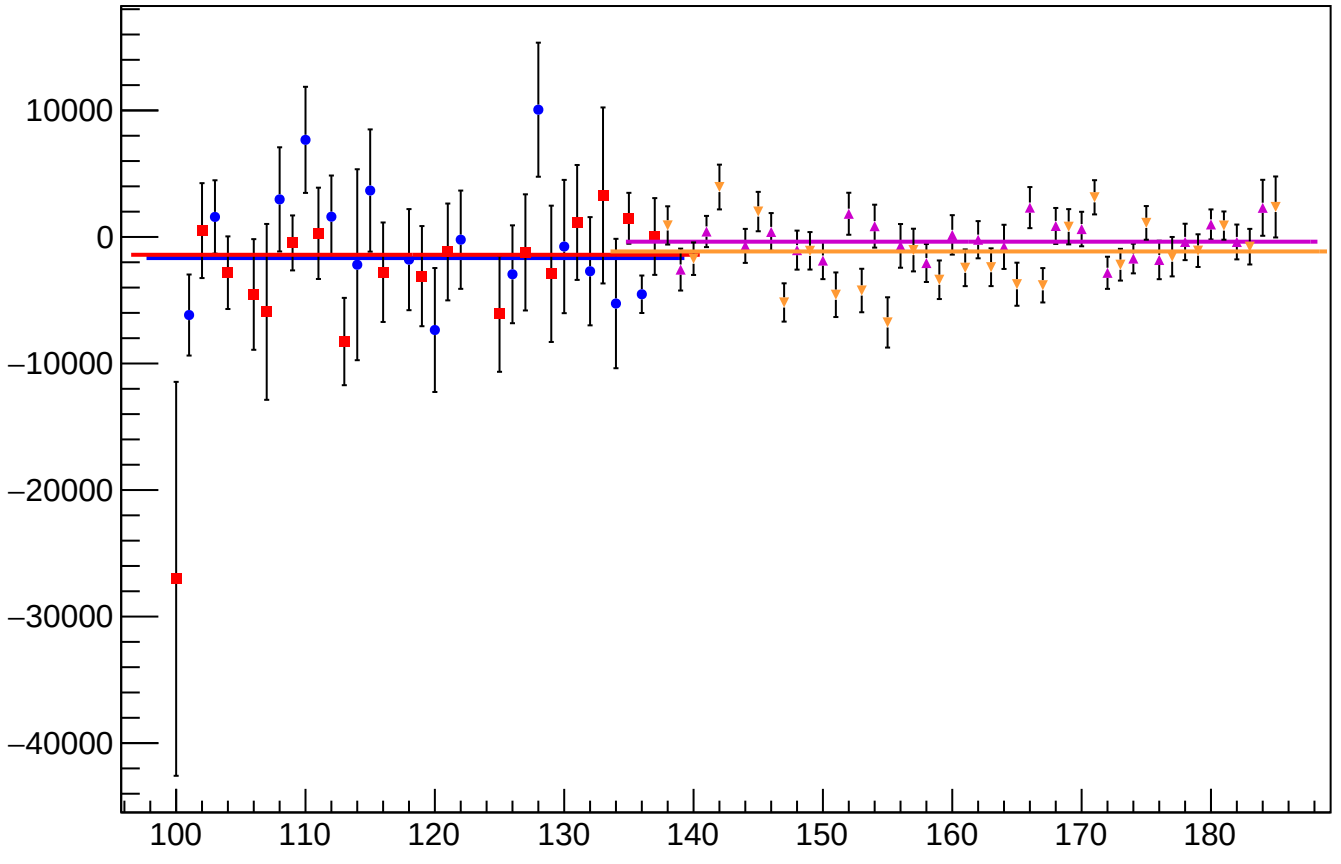
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2121.728+/-0.296 χ^2/NDF: 279320.1/39

All: 2120.900+/-0.210 χ^2/NDF: 516771.3/80

- 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: -1144.779+/-302.490 χ^2/NDF:67.5/23

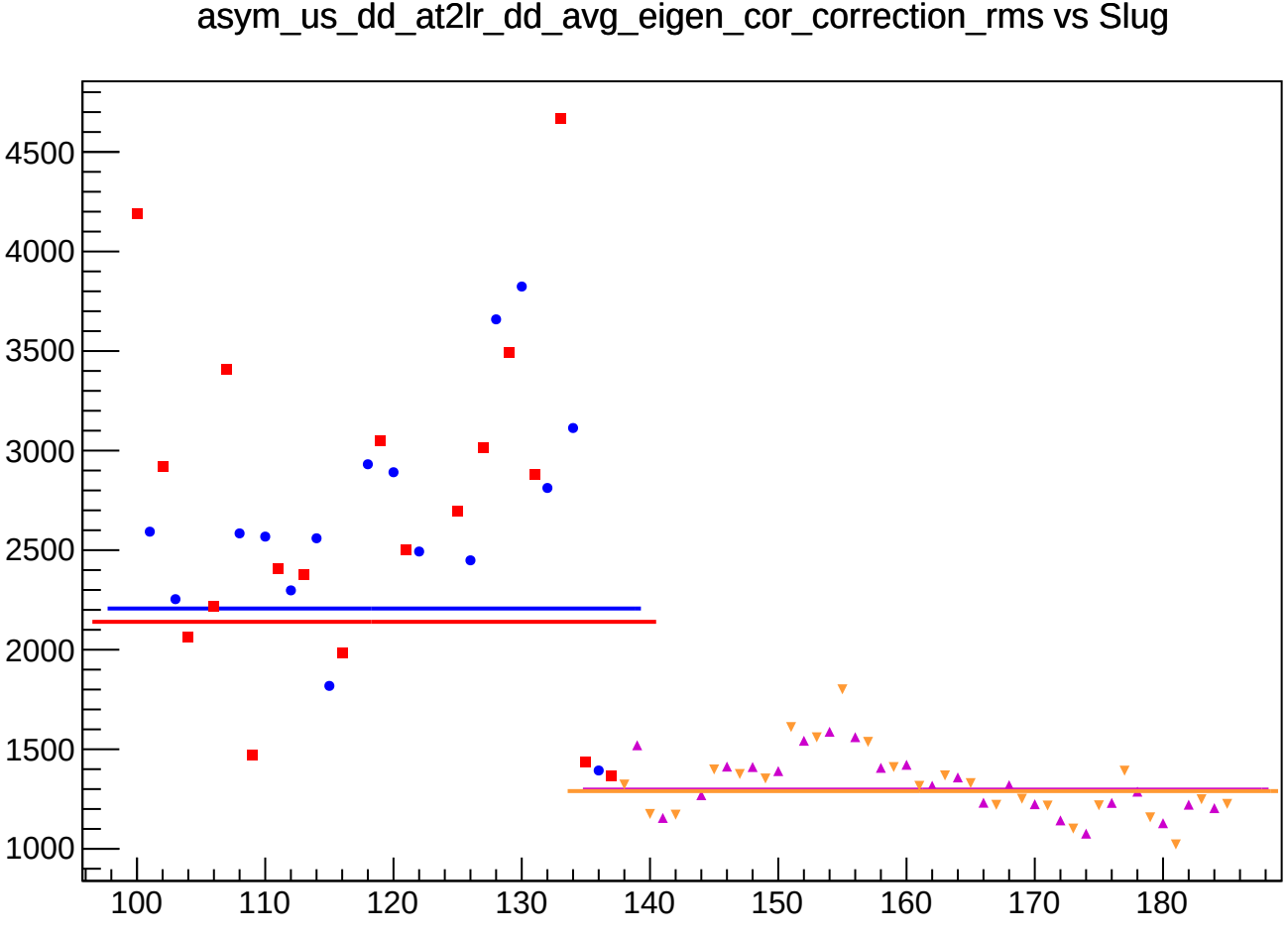
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

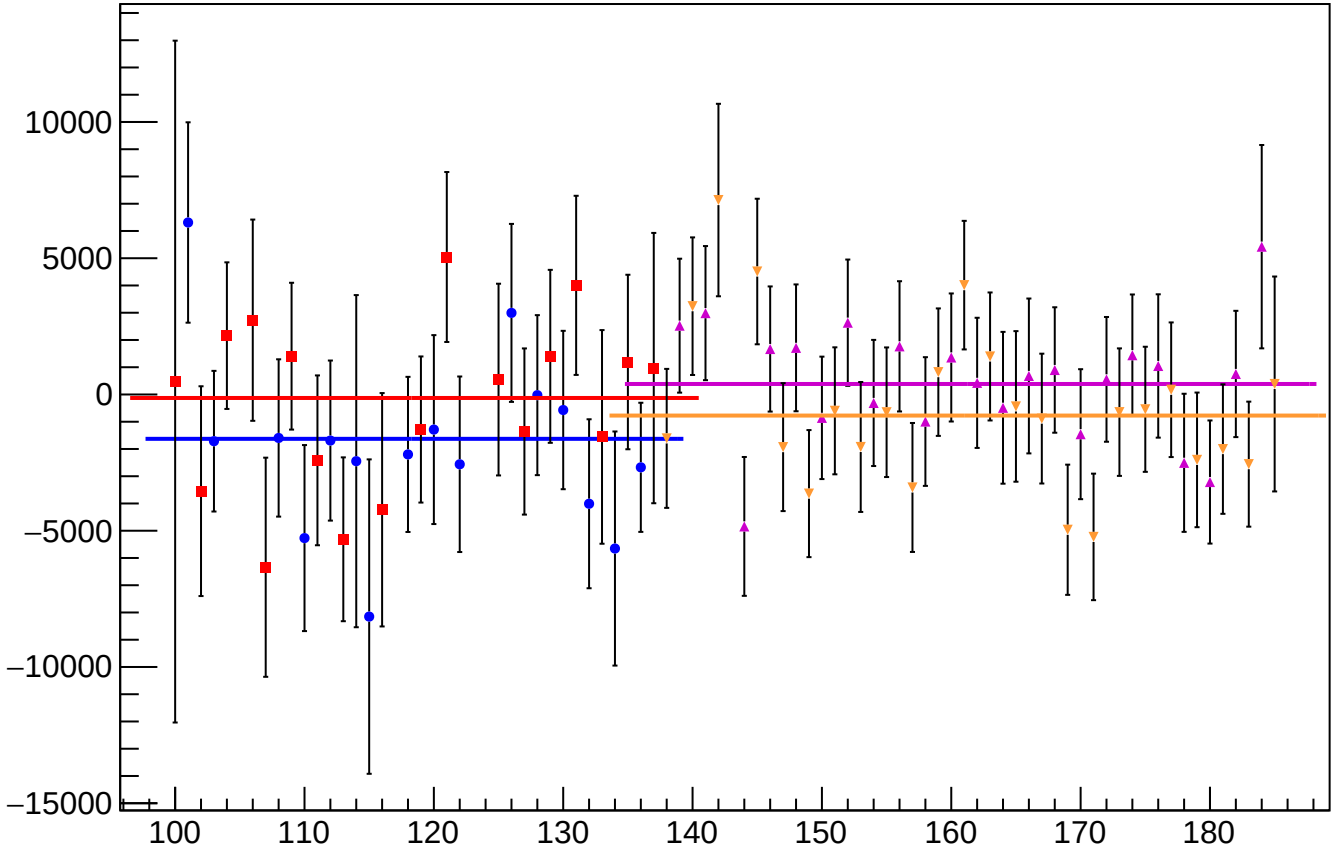
+ sign -1202.184+/-285.431 χ^2/NDF: 90.4/39

All: -849.488+/-202.481 χ^2/NDF: 128.0/80

- sign -492.208+/-287.280 χ^2/NDF: 34.6/40


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
Right In: 2206.918+/-0.610 χ²/NDF: 1249024.4/15
Left Out: 1290.041+/-0.214 χ²/NDF:567883.5/23
Right Out: 2140.060+/-0.599 χ²/NDF: 1448366.8/17
Left In: 1297.458+/-0.216 χ²/NDF:434006.2/22
+ sign 1390.542+/-0.202 χ²/NDF: 3831050.1/39
All: 1392.445+/-0.143 χ²/NDF: 7464946.9/80
- sign 1394.374+/-0.203 χ²/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: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

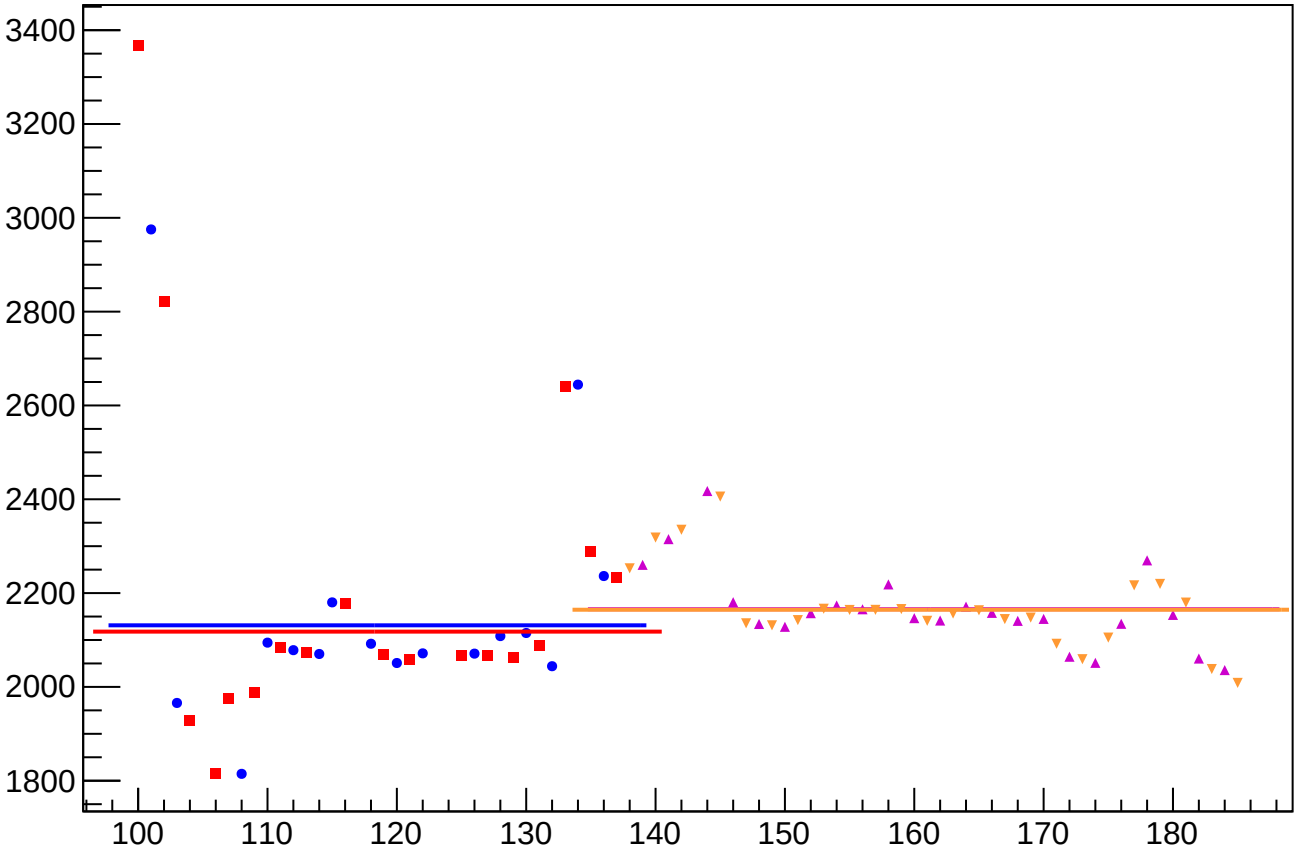
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1016.308+/-425.405 χ^2/NDF: 40.7/39

All: -391.822+/-301.384 χ^2/NDF: 75.5/80

- 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: 2164.532+/-0.356 χ^2/NDF:50676.3/23

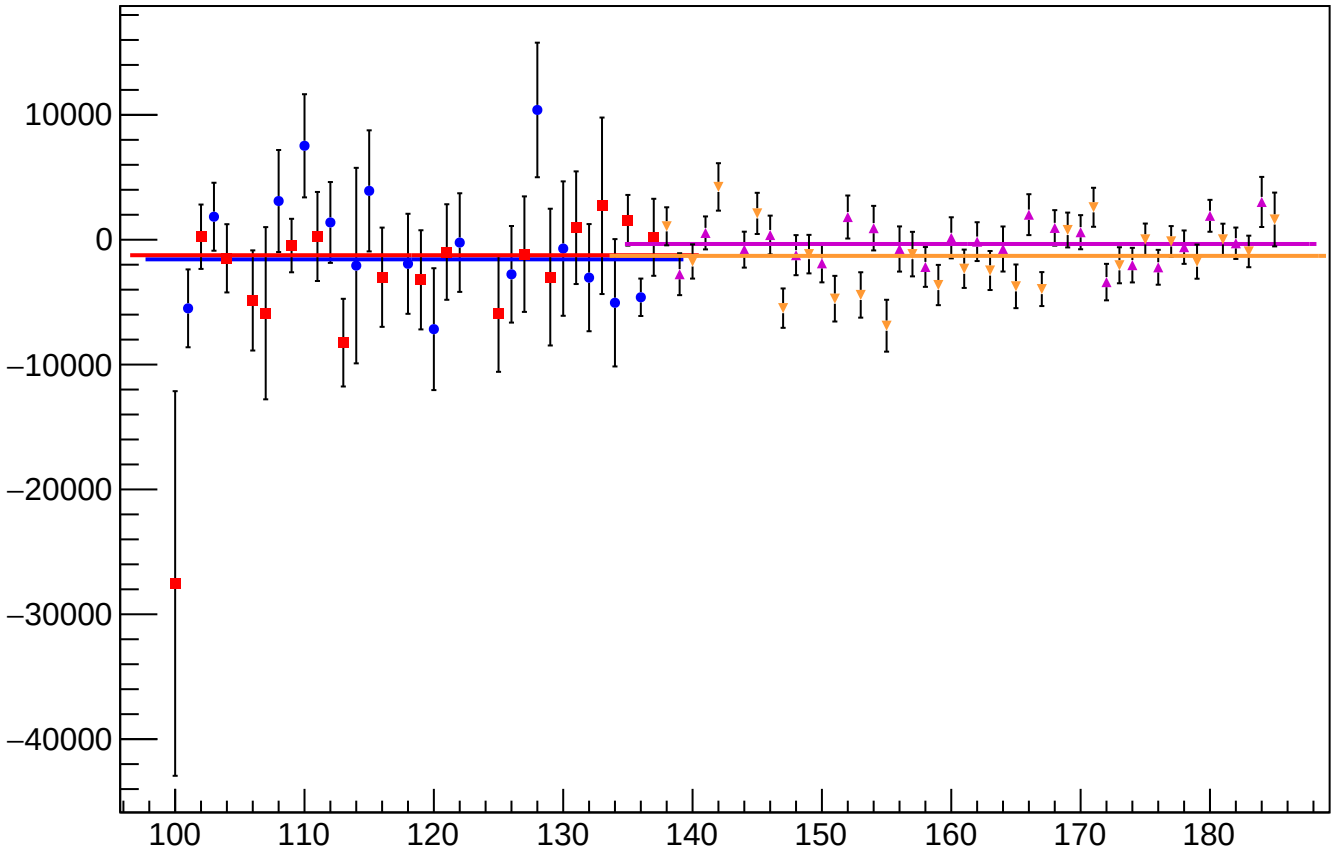
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2155.087+/-0.301 χ^2/NDF: 229102.8/39

All: 2153.494+/-0.213 χ^2/NDF: 450038.2/80

- 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: -1293.716+/-310.622 χ^2/NDF:58.7/23

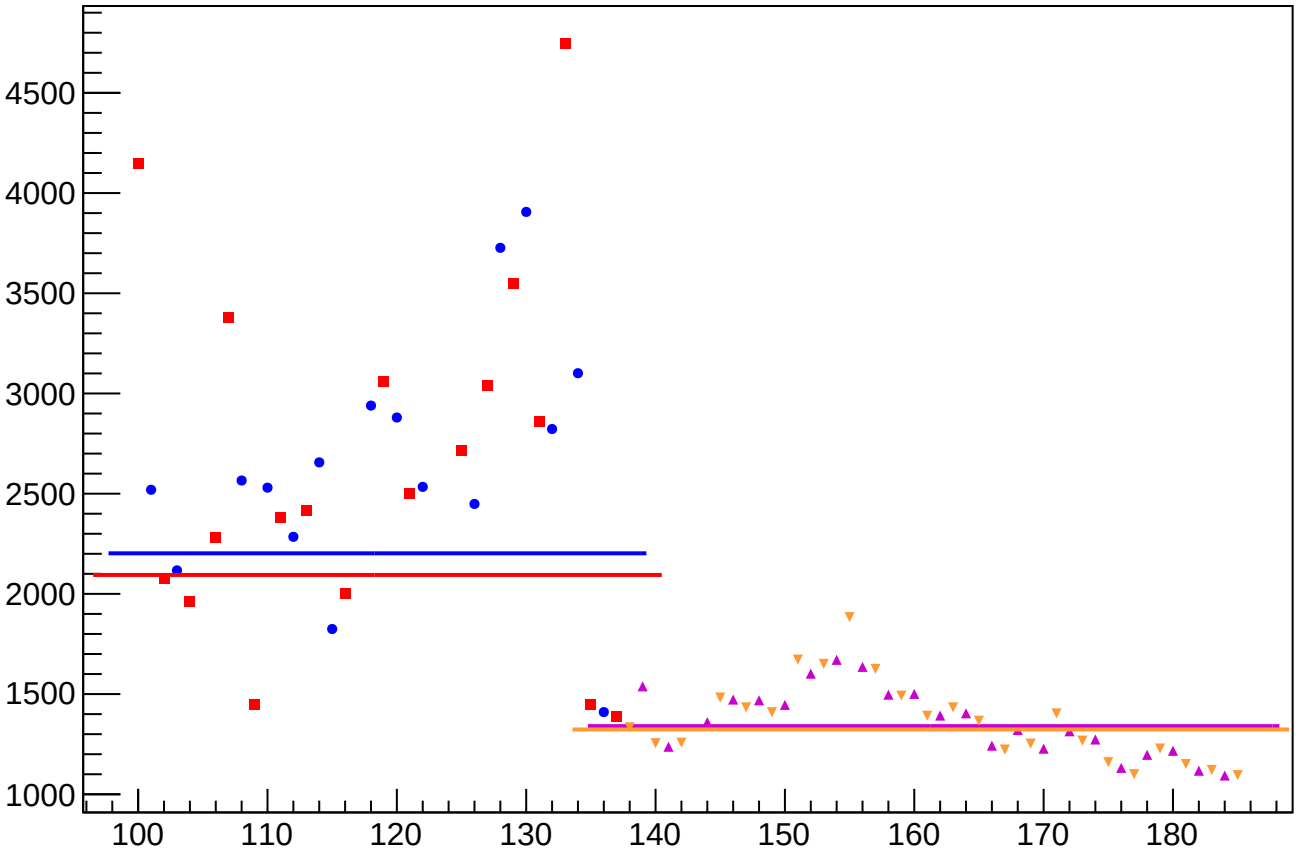
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1325.740+/-292.140 χ^2/NDF: 81.4/39

All: -895.052+/-207.403 χ^2/NDF: 124.7/80

- 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: 1323.402+/-0.220 χ^2/NDF:663859.2/23

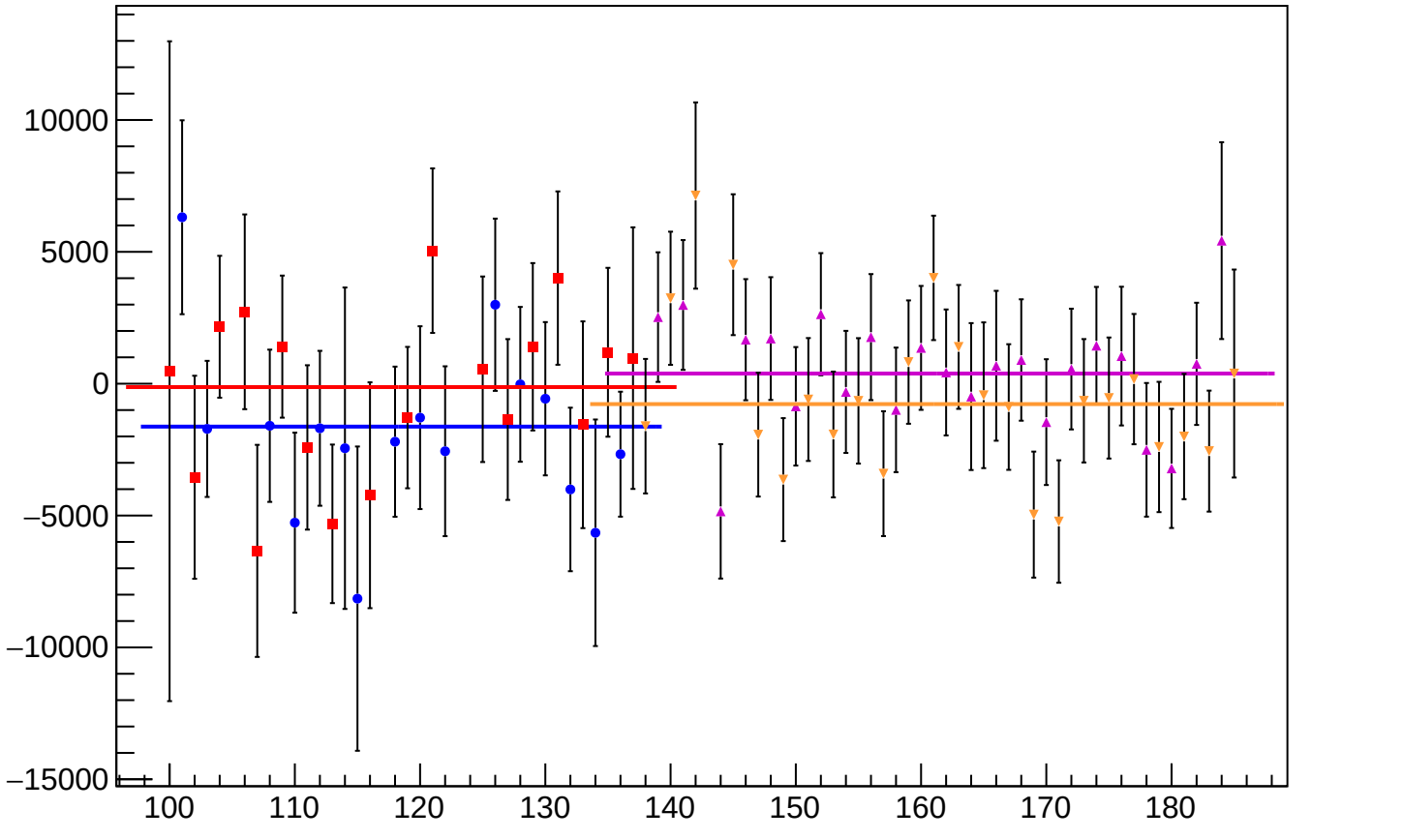
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1424.889+/-0.207 χ^2/NDF: 3735893.9/39

All: 1431.114+/-0.147 χ^2/NDF: 7080656.7/80

- 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: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

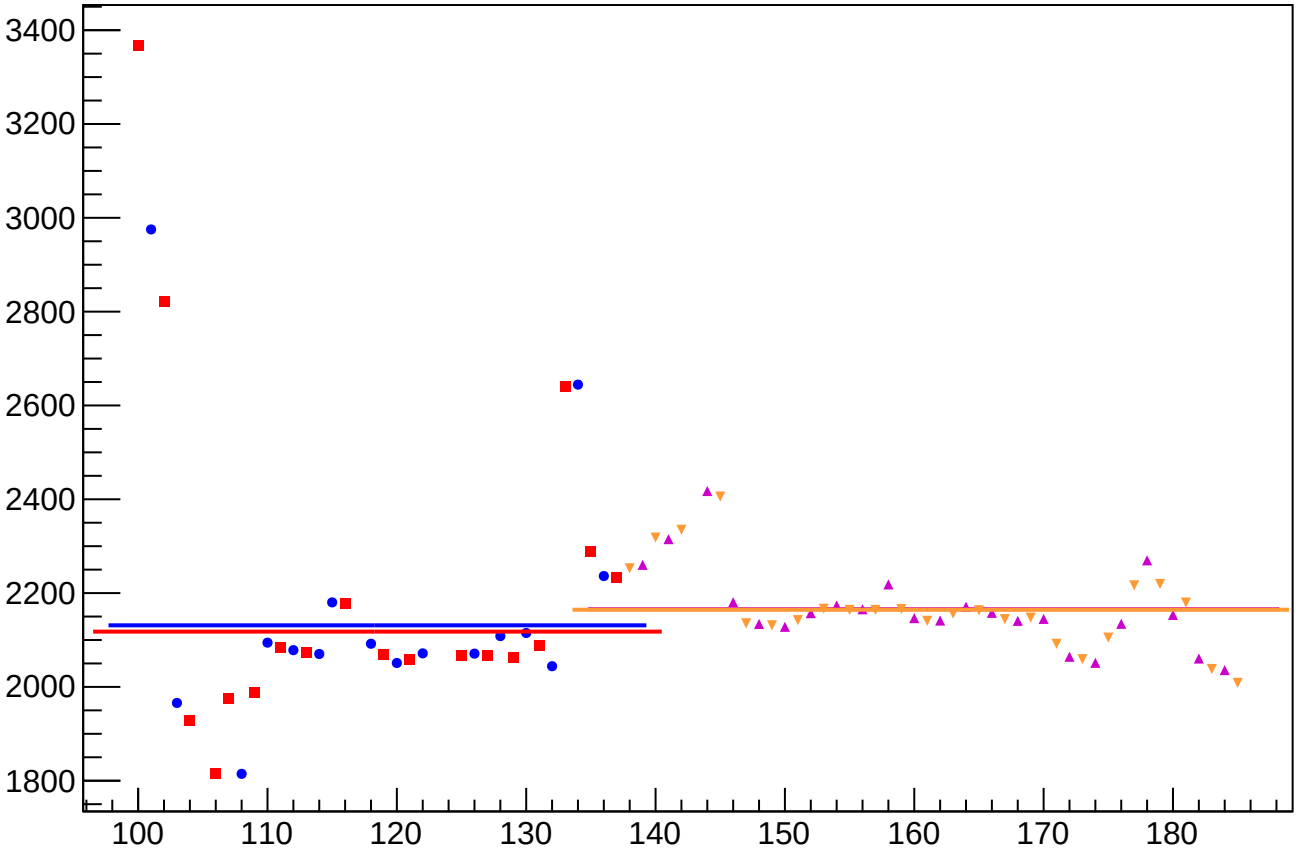
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1016.307+/-425.405 χ^2/NDF: 40.7/39

All: -391.820+/-301.384 χ^2/NDF: 75.5/80

- 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: 2164.532+/-0.356 χ^2/NDF:50676.3/23

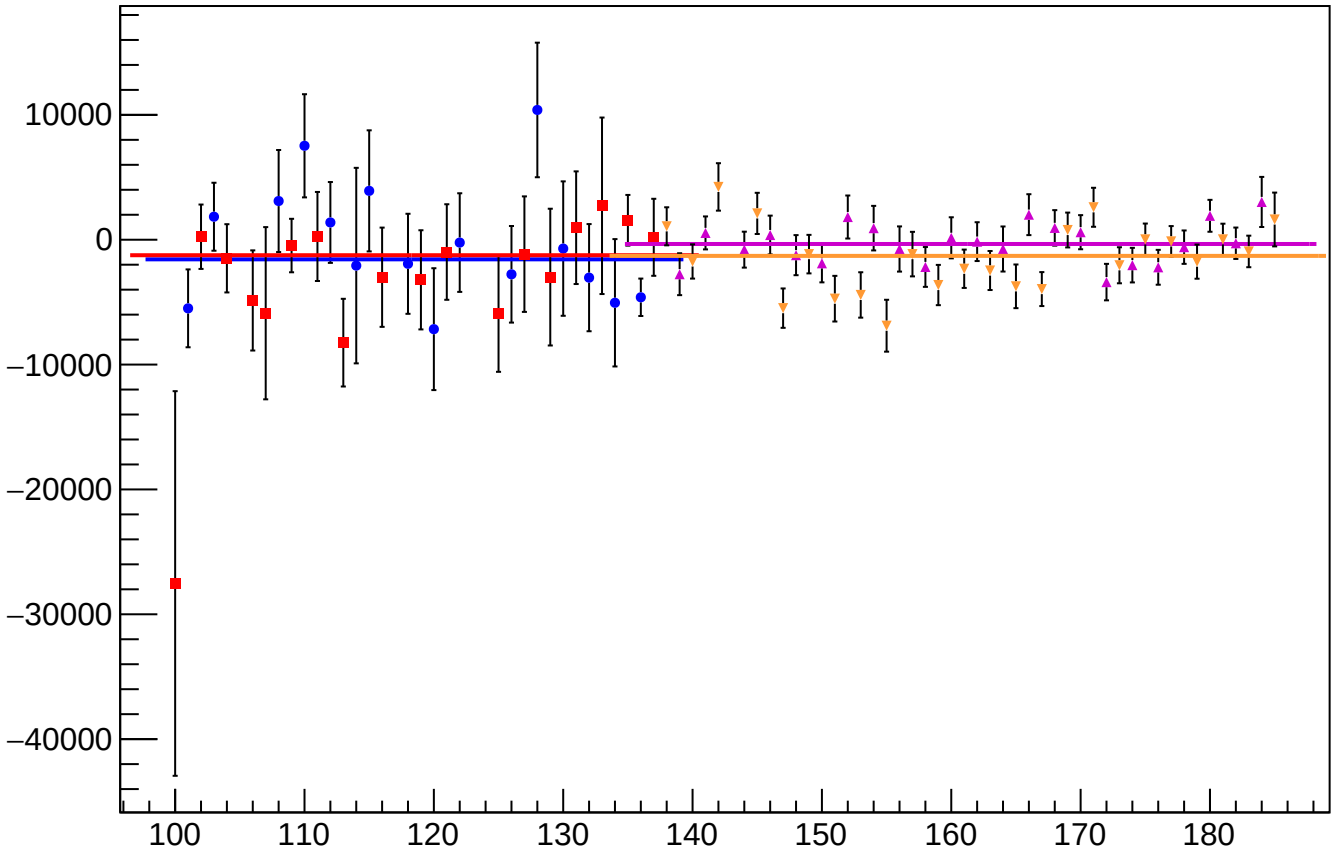
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2155.086+/-0.301 χ^2/NDF: 229102.7/39

All: 2153.494+/-0.213 χ^2/NDF: 450037.9/80

- 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: -1293.717+/-310.622 χ^2/NDF:58.7/23

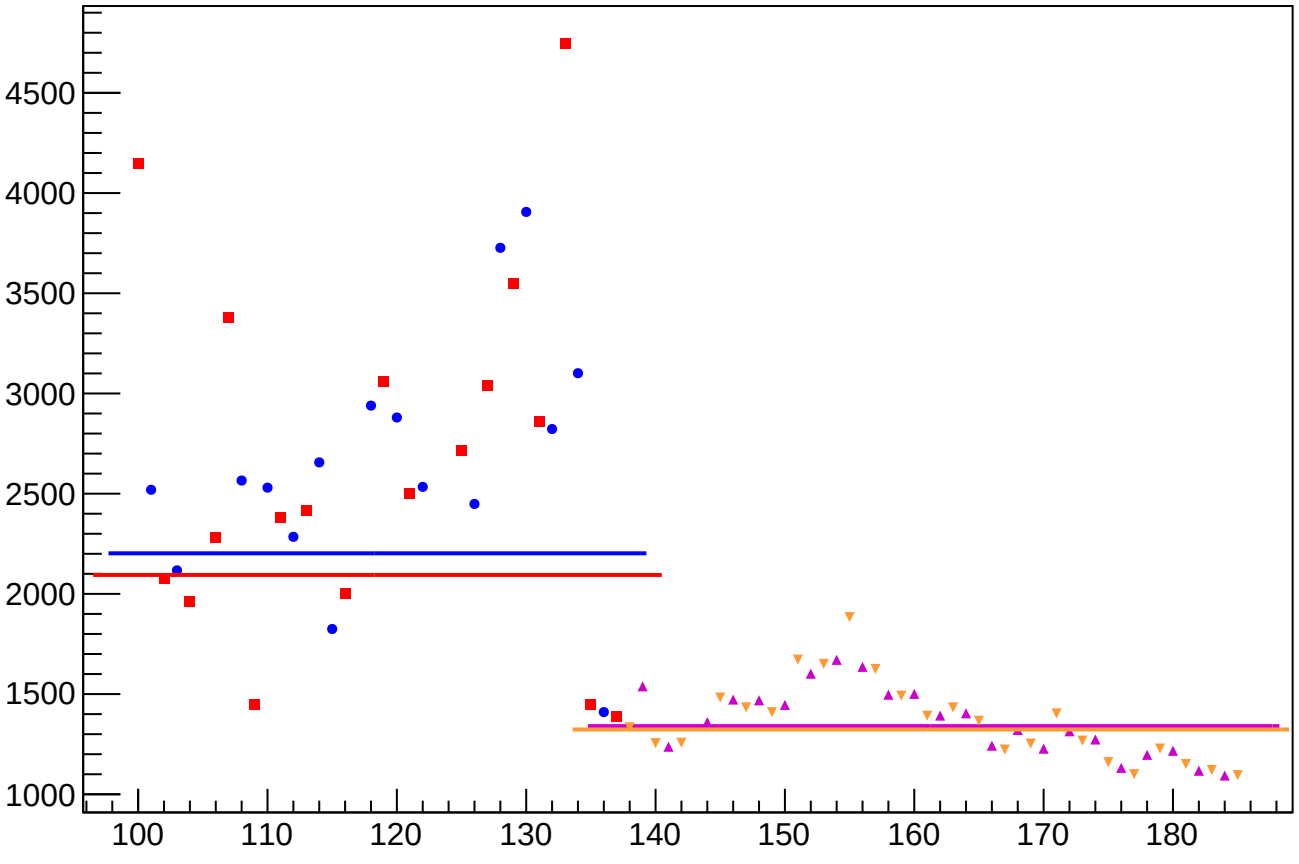
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1325.739+/-292.140 χ^2/NDF: 81.4/39

All: -895.051+/-207.403 χ^2/NDF: 124.7/80

- 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: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

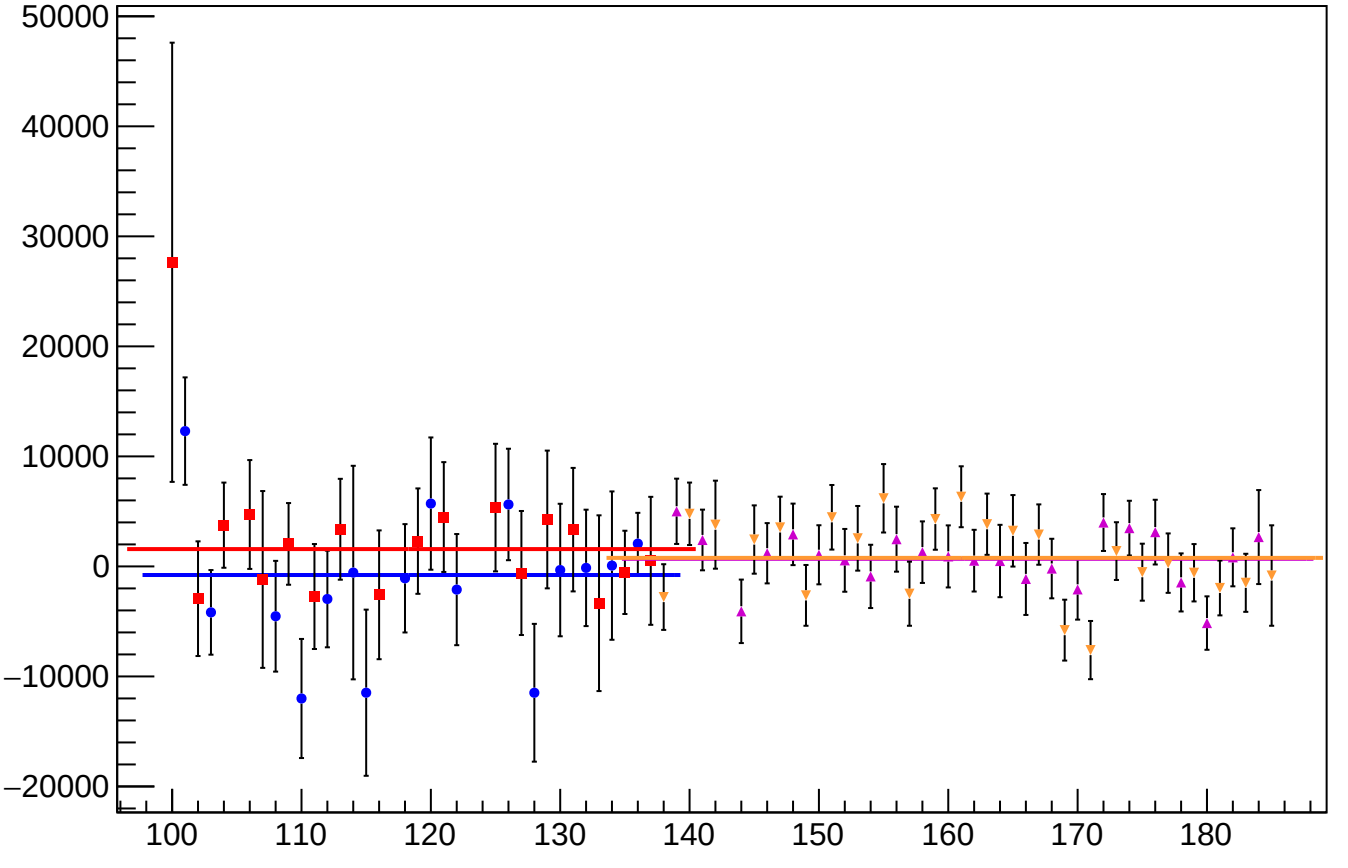
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1424.890+/-0.207 χ^2/NDF: 3735874.4/39

All: 1431.114+/-0.147 χ^2/NDF: 7080642.0/80

- 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: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

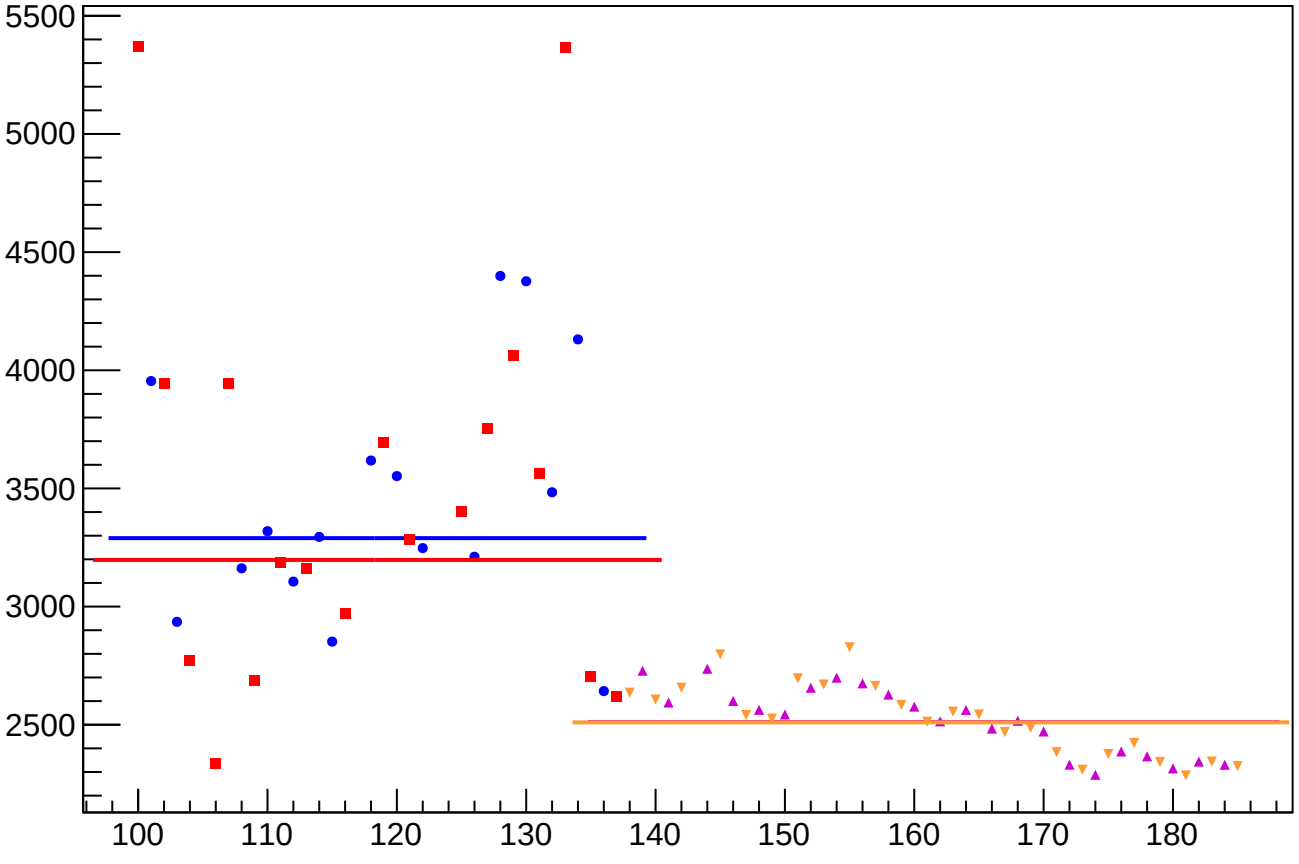
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 493.114+/-528.241 χ^2/NDF: 62.5/39

All: 674.590+/-373.857 χ^2/NDF: 88.3/80

\- 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: 2510.069+/-0.413 χ^2/NDF:128632.5/23

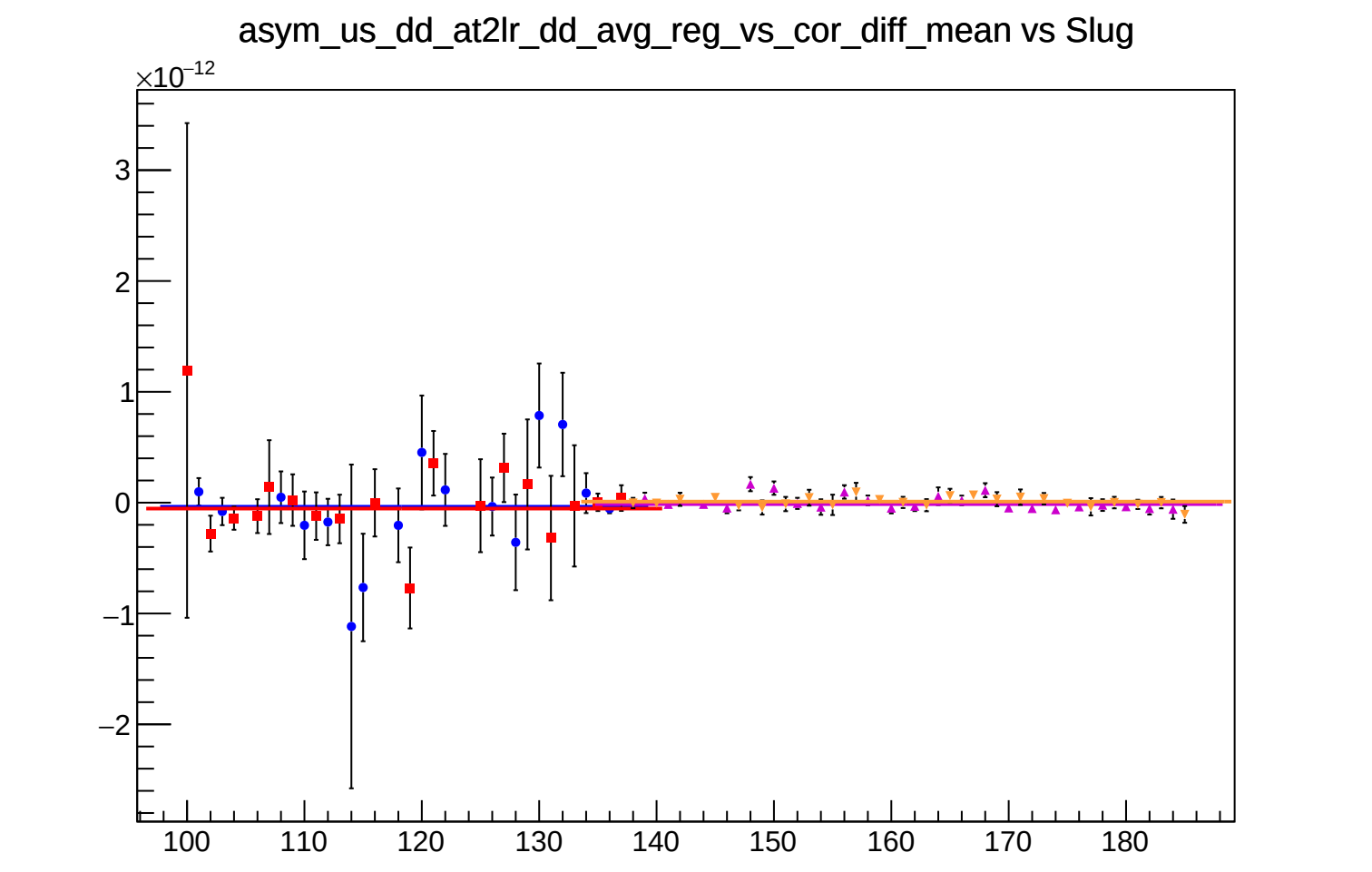
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2651.162+/-0.374 χ^2/NDF: 1121959.5/39

All: 2646.021+/-0.264 χ^2/NDF: 2249463.8/80

- 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:12.2/23

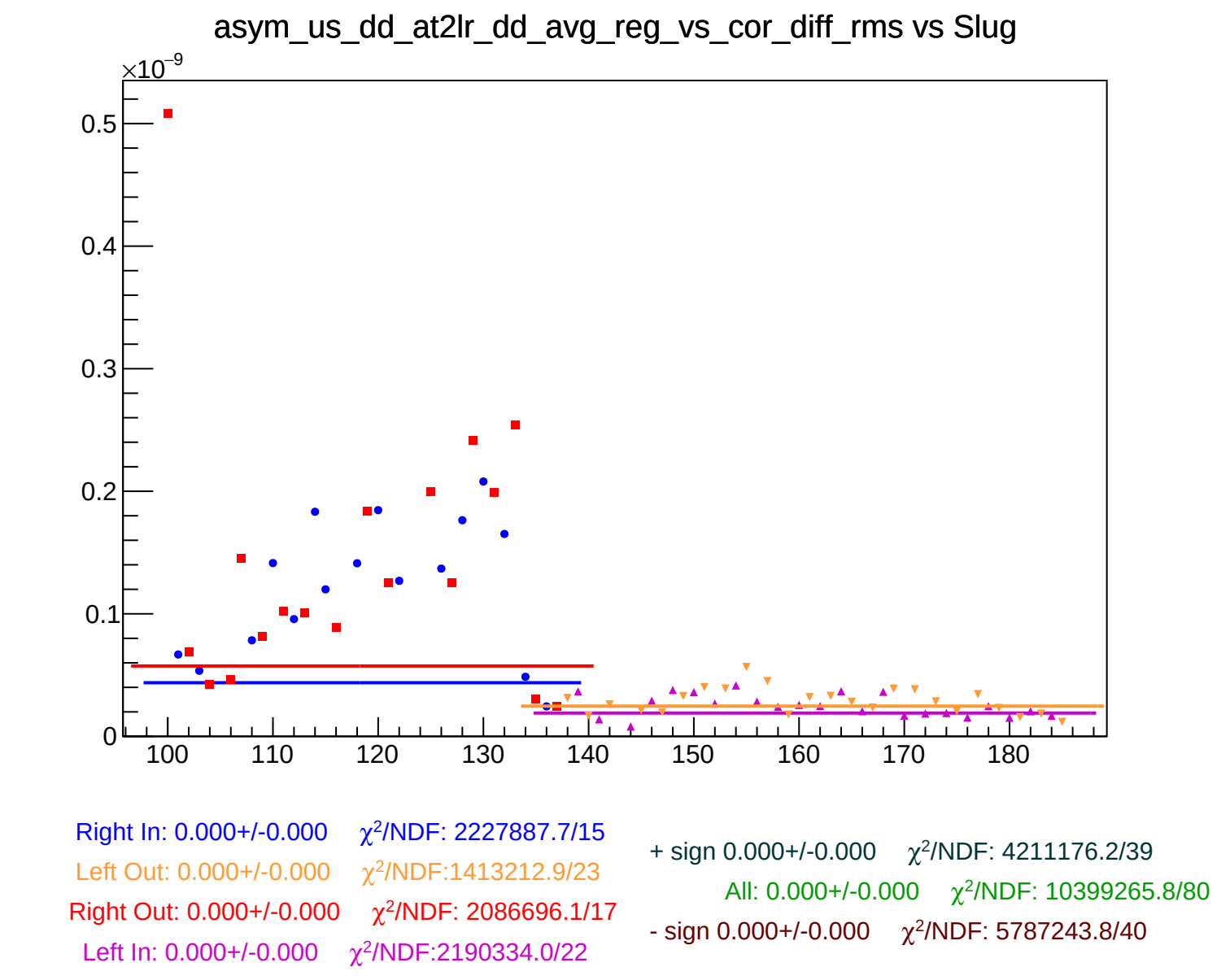
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

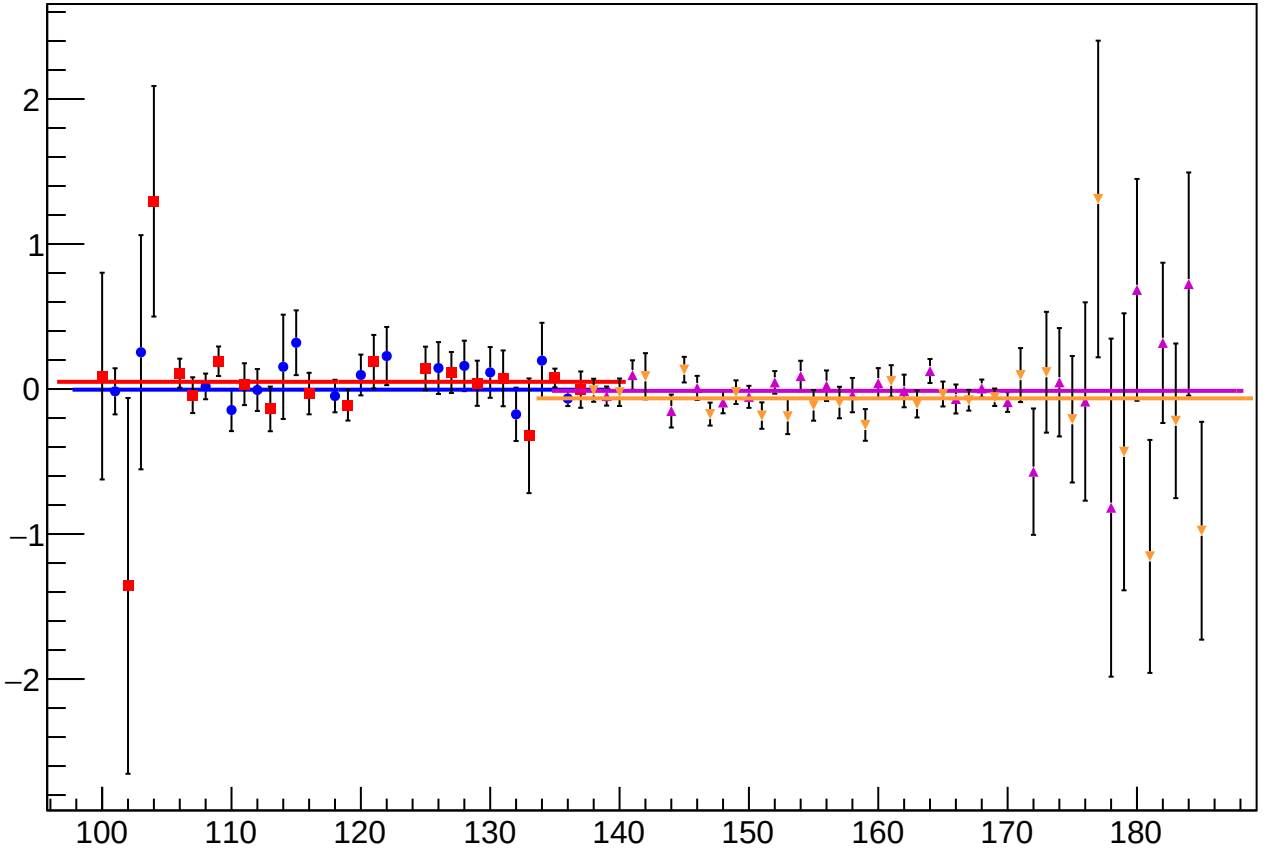
+ sign 0.000+/-0.000 χ^2/NDF: 27.0/39

All: -0.000+/-0.000 χ^2/NDF: 74.0/80

- sign -0.000+/-0.000 χ^2/NDF: 44.3/40


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1413212.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:2190334.0/22
+ sign 0.000+/-0.000 χ²/NDF: 4211176.2/39
All: 0.000+/-0.000 χ²/NDF: 10399265.8/80
- sign 0.000+/-0.000 χ²/NDF: 5787243.8/40

asym_us_dd_at2lr_dd_avg_dit_vs_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:22.3/23

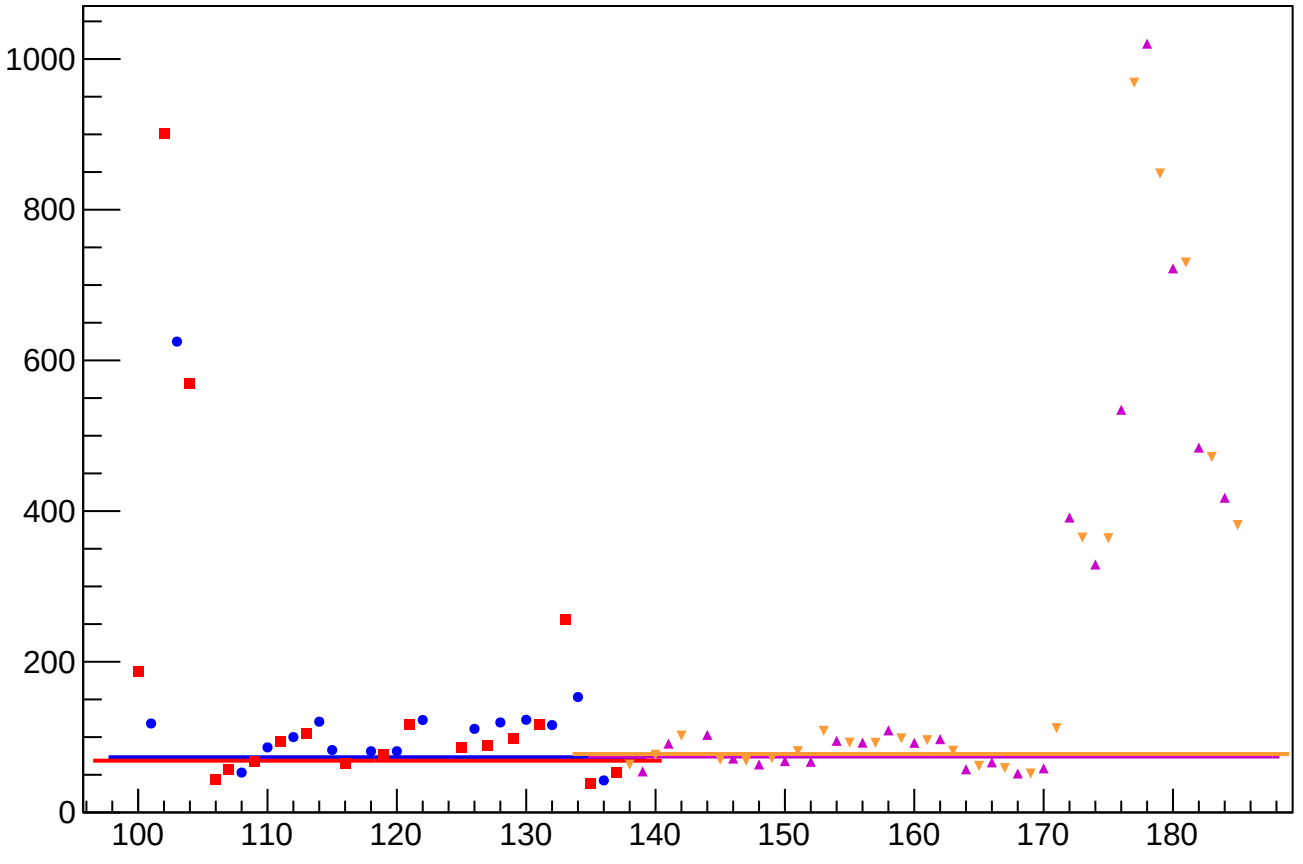
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 35.0/39

All: -0.018+/-0.013 χ^2/NDF: 69.9/80

- 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: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

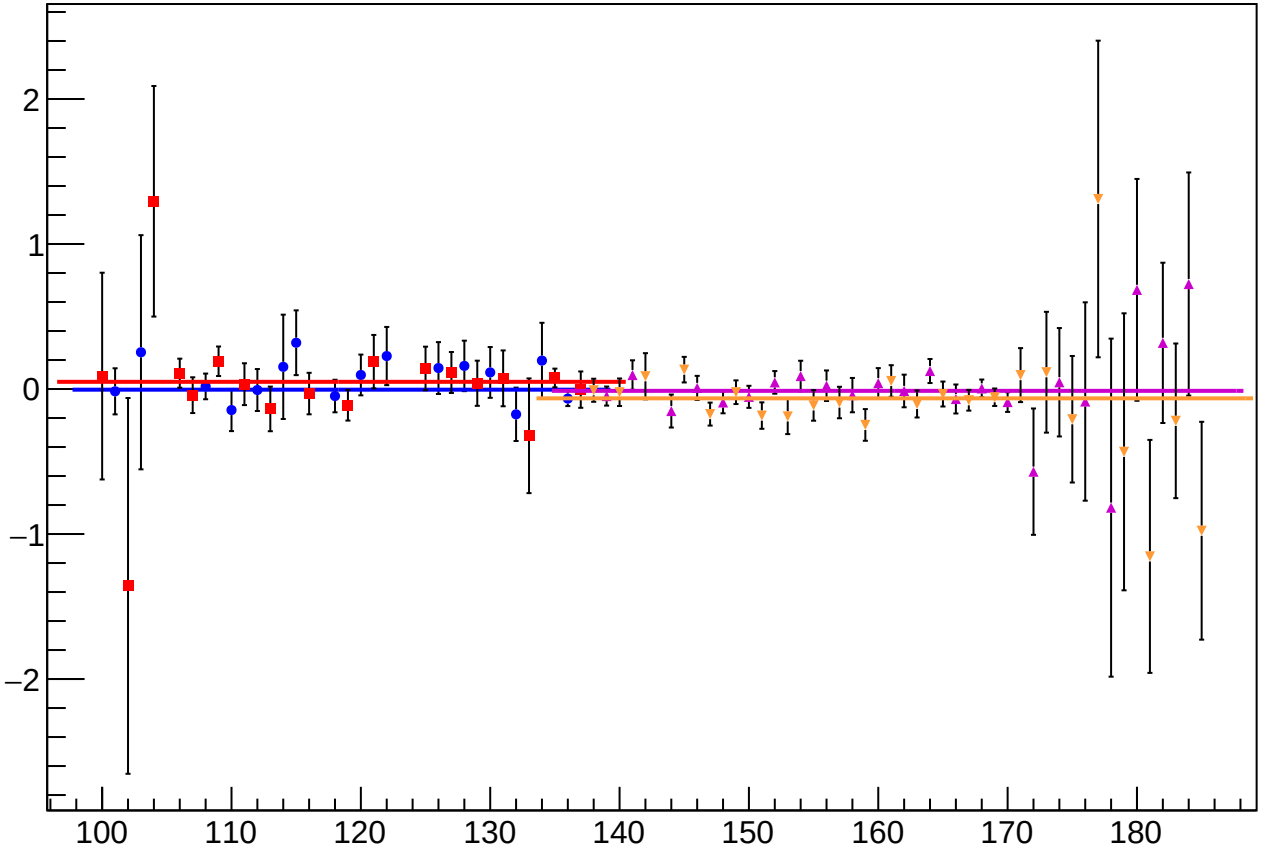
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.158+/-0.013 χ^2/NDF: 11209996.0/39

All: 74.274+/-0.009 χ^2/NDF: 23138656.3/80

- sign 72.524+/-0.012 χ^2/NDF: 11887469.2/40

asym_us_dd_at2lr_dd_avg_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:22.3/23

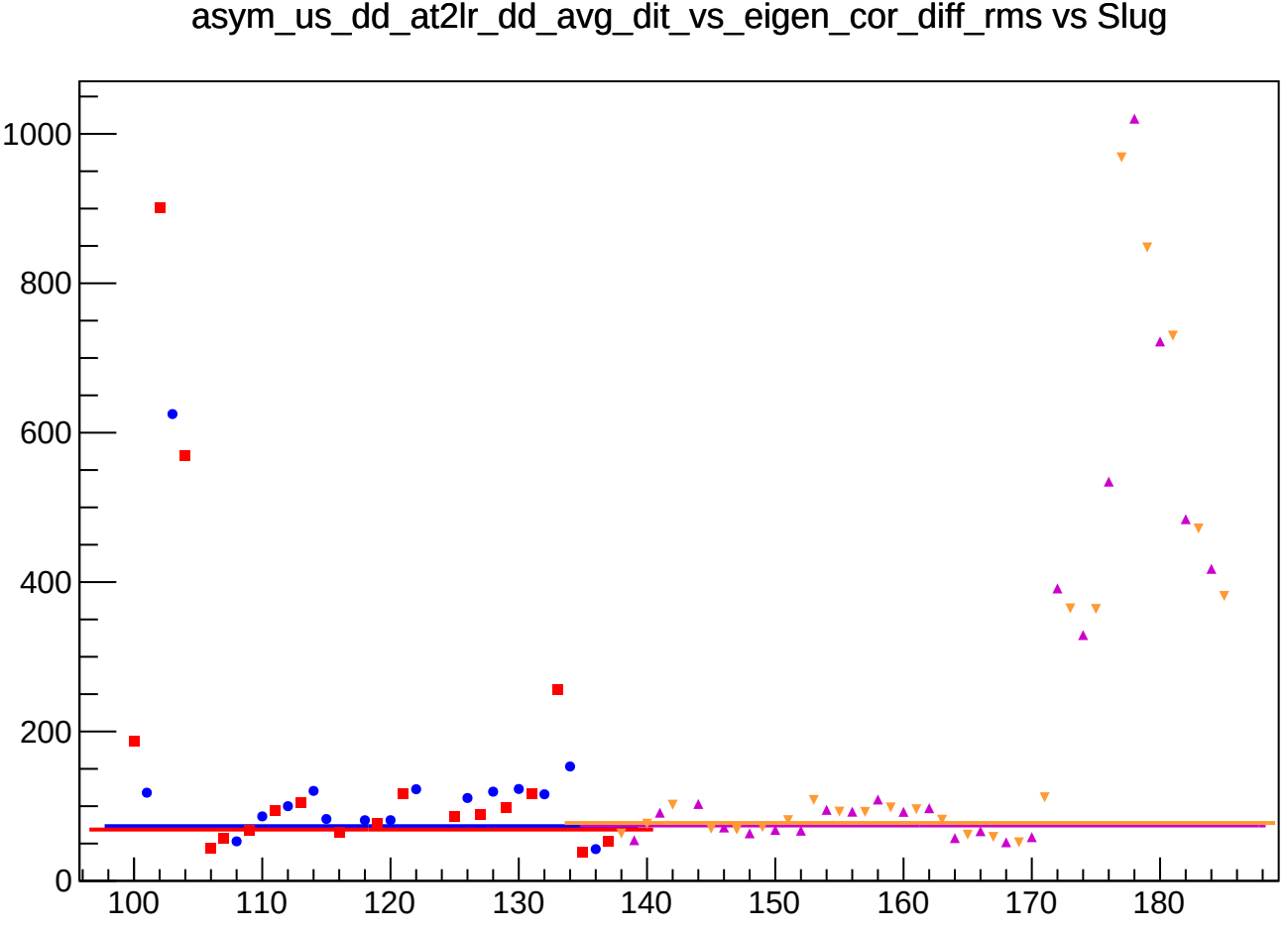
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 35.0/39

All: -0.018+/-0.013 χ^2/NDF: 69.9/80

- 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: 77.533+/-0.016 χ^2/NDF:8331194.0/23

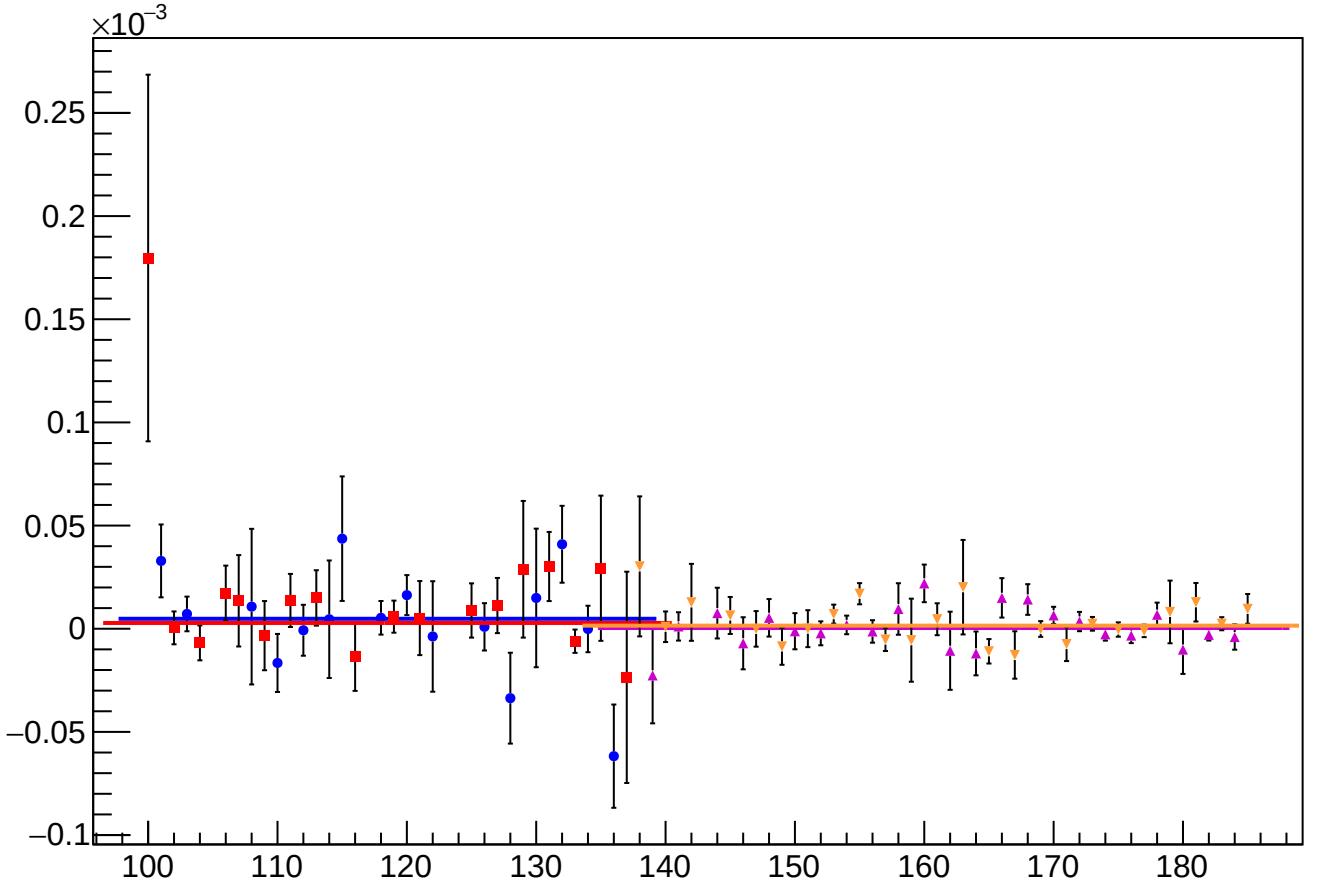
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.158+/-0.013 χ^2/NDF: 11209996.0/39

All: 74.274+/-0.009 χ^2/NDF: 23138656.3/80

- 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:27.1/23

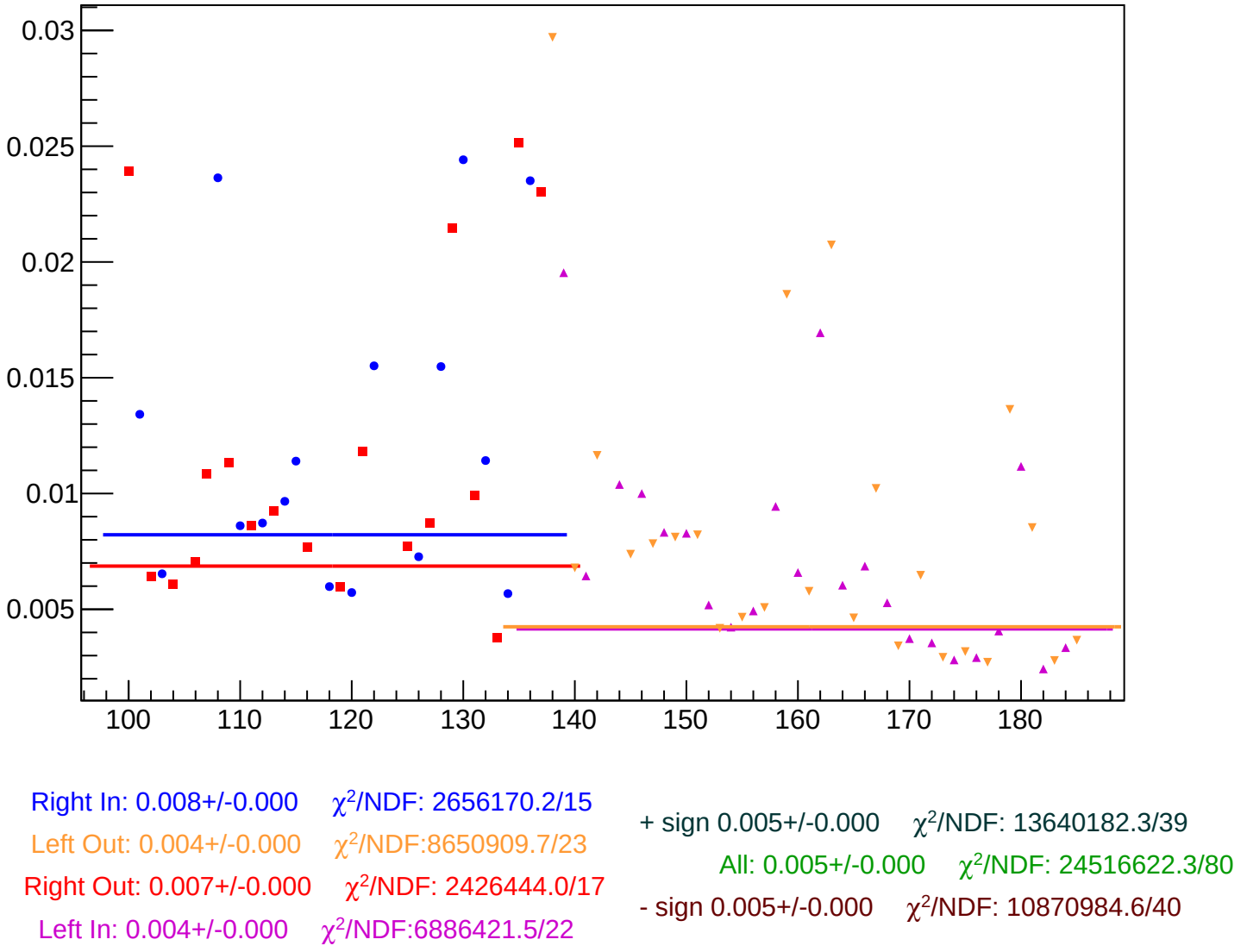
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

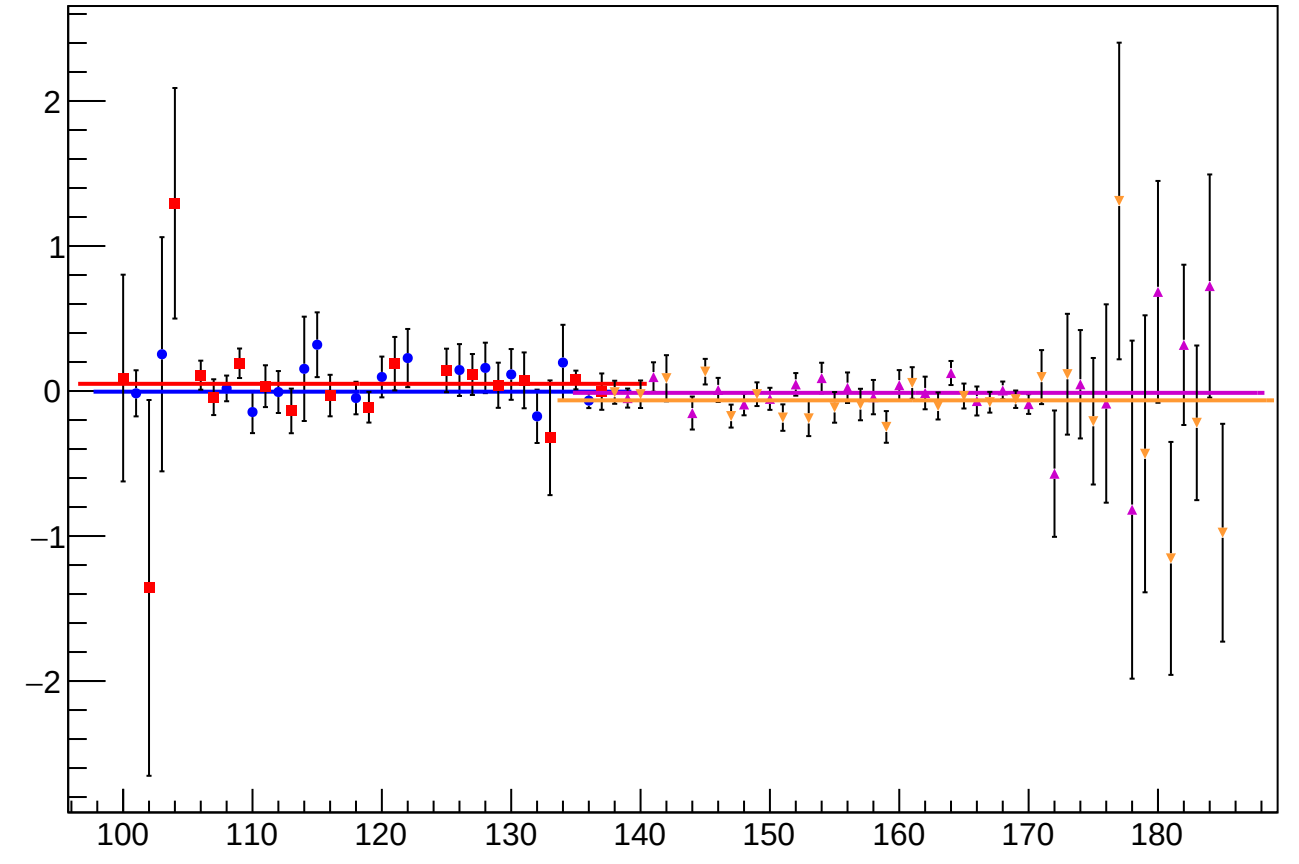
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/39

All: 0.000+/-0.000 χ^2/NDF: 93.0/80

- 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:8650909.7/23
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: 13640182.3/39
All: 0.005+/-0.000 χ²/NDF: 24516622.3/80
- 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:22.3/23

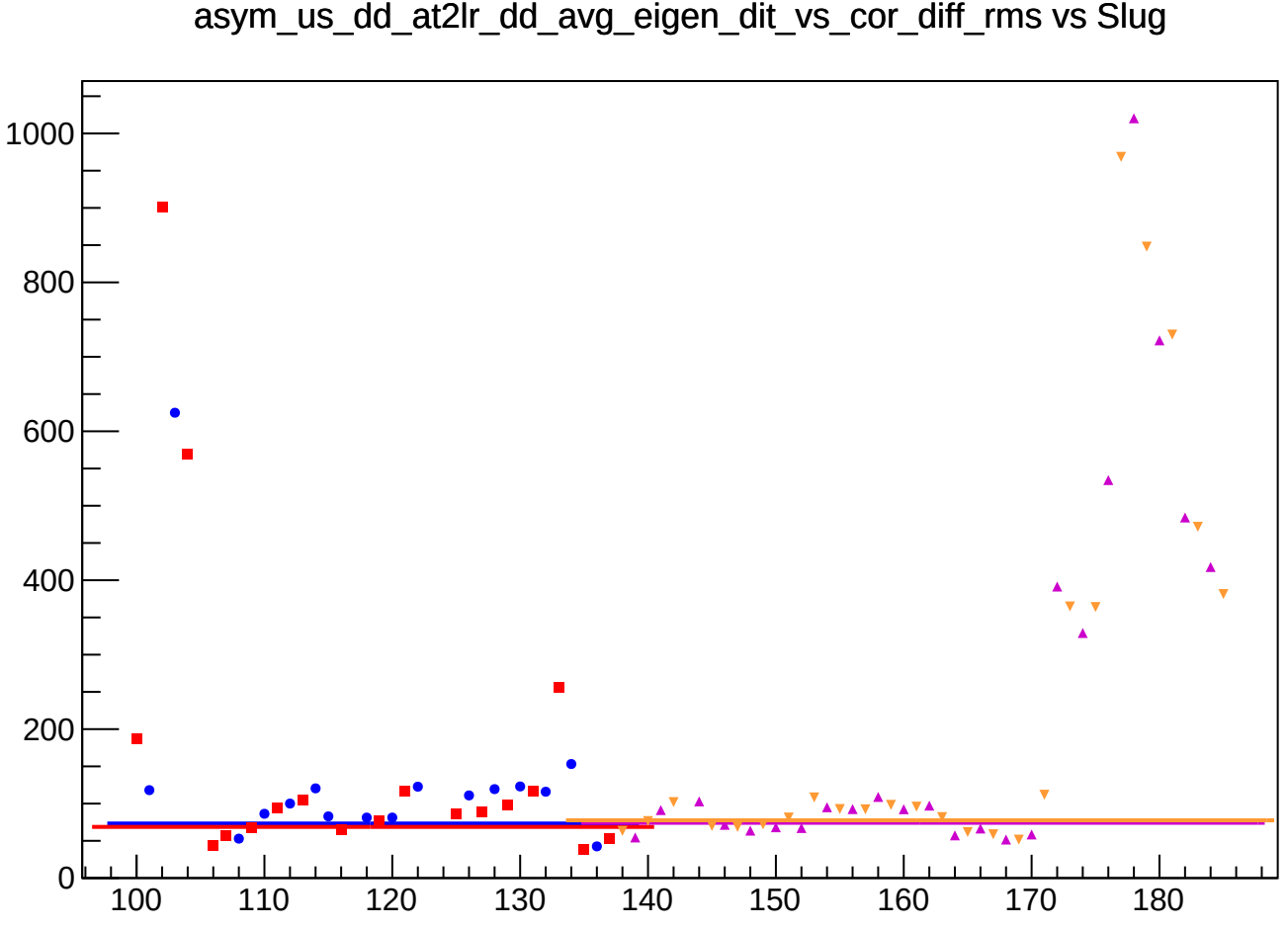
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 35.0/39

All: -0.018+/-0.013 χ^2/NDF: 69.9/80

- 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: 77.533+/-0.016 χ^2/NDF:8331106.7/23

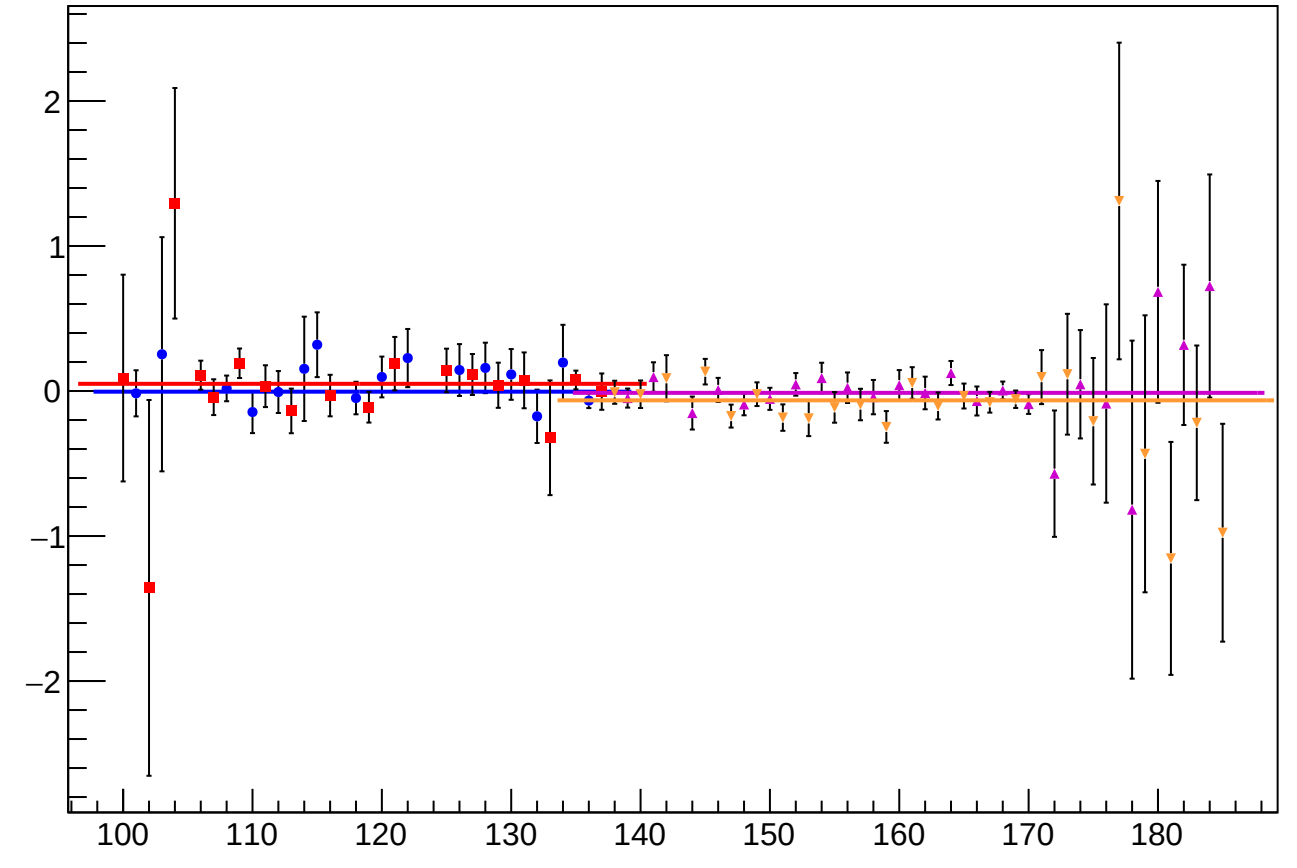
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.166+/-0.013 χ^2/NDF: 11207322.9/39

All: 74.277+/-0.009 χ^2/NDF: 23137135.9/80

- sign 72.521+/-0.012 χ^2/NDF: 11888374.2/40



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

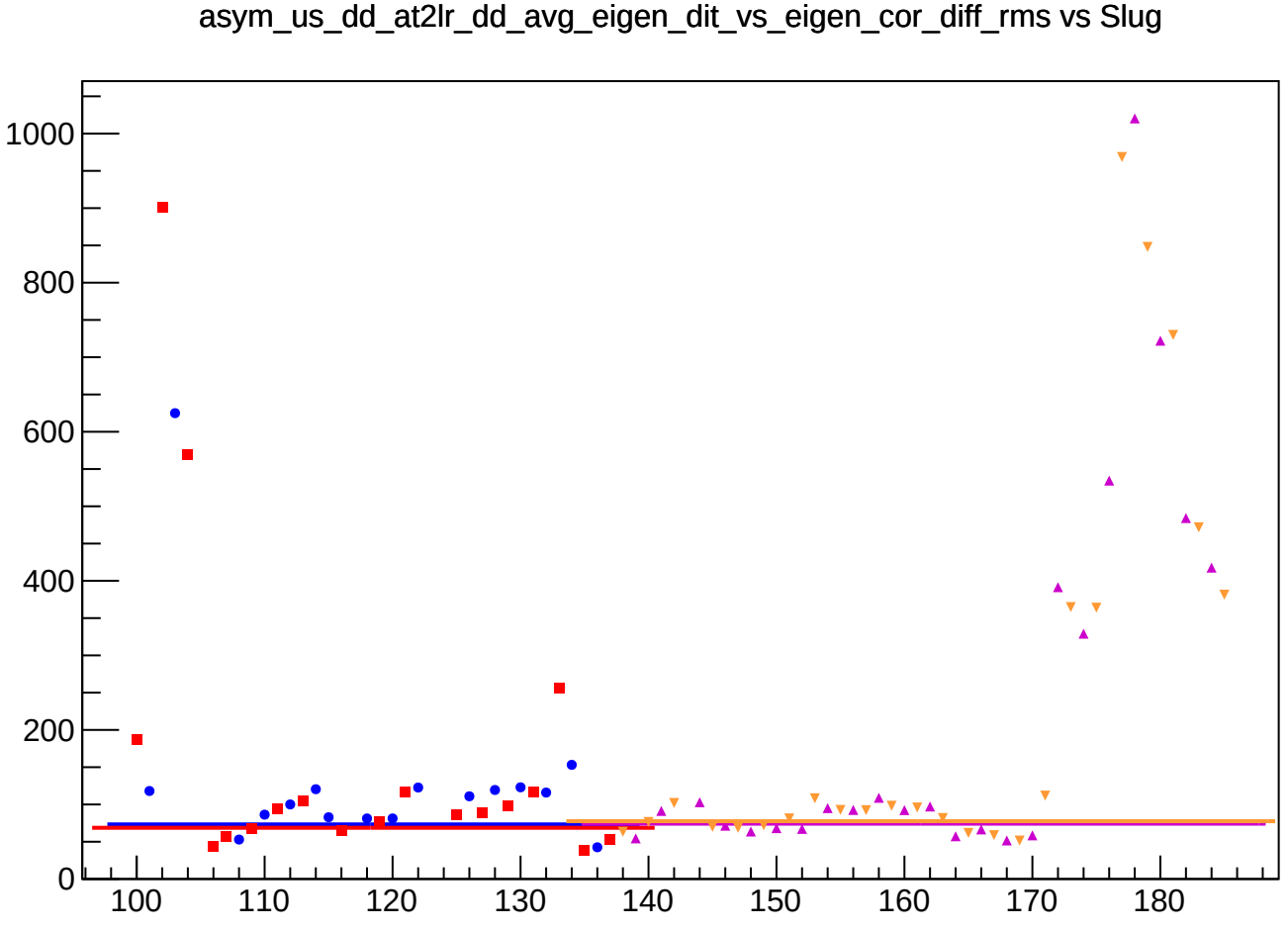
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.045+/-0.018 χ^2/NDF: 35.0/39

All: -0.018+/-0.013 χ^2/NDF: 69.9/80

- 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: 77.533+/-0.016 χ^2/NDF:8331106.7/23

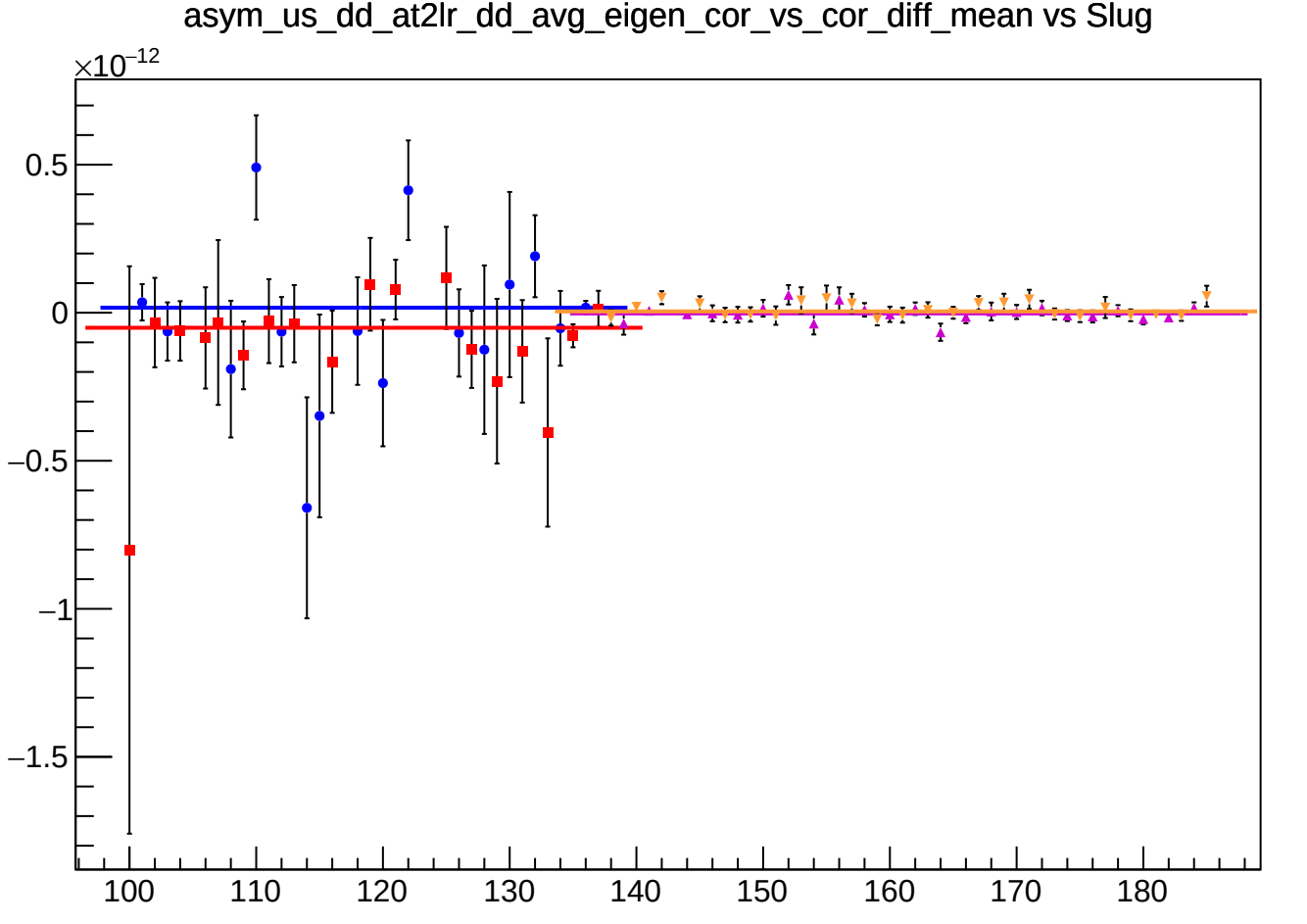
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 76.166+/-0.013 χ^2/NDF: 11207322.9/39

All: 74.277+/-0.009 χ^2/NDF: 23137135.9/80

\- 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:21.7/23

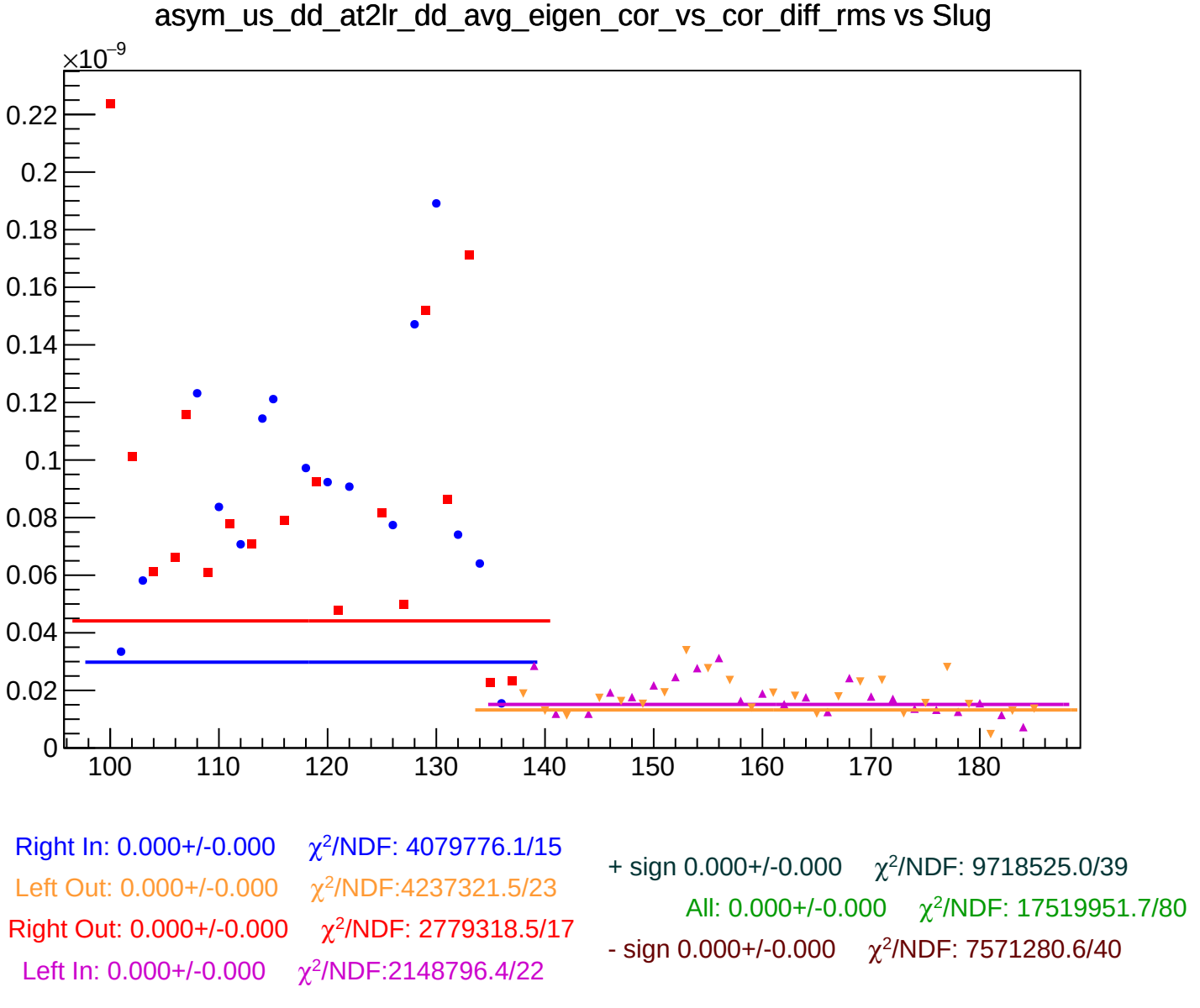
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

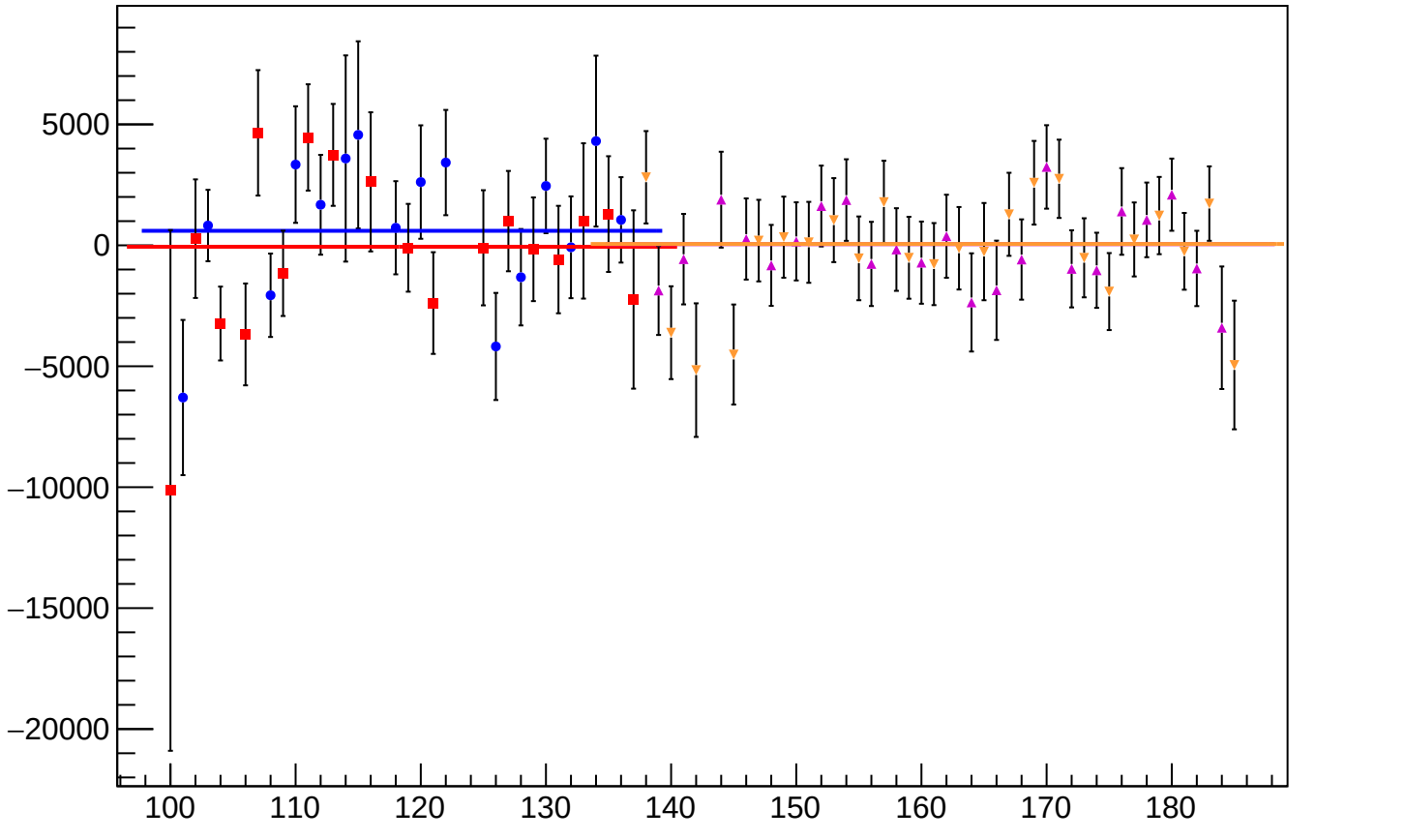
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/39

All: 0.000+/-0.000 χ^2/NDF: 77.9/80

- 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:4237321.5/23
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: 9718525.0/39
All: 0.000+/-0.000 χ²/NDF: 17519951.7/80
- sign 0.000+/-0.000 χ²/NDF: 7571280.6/40



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

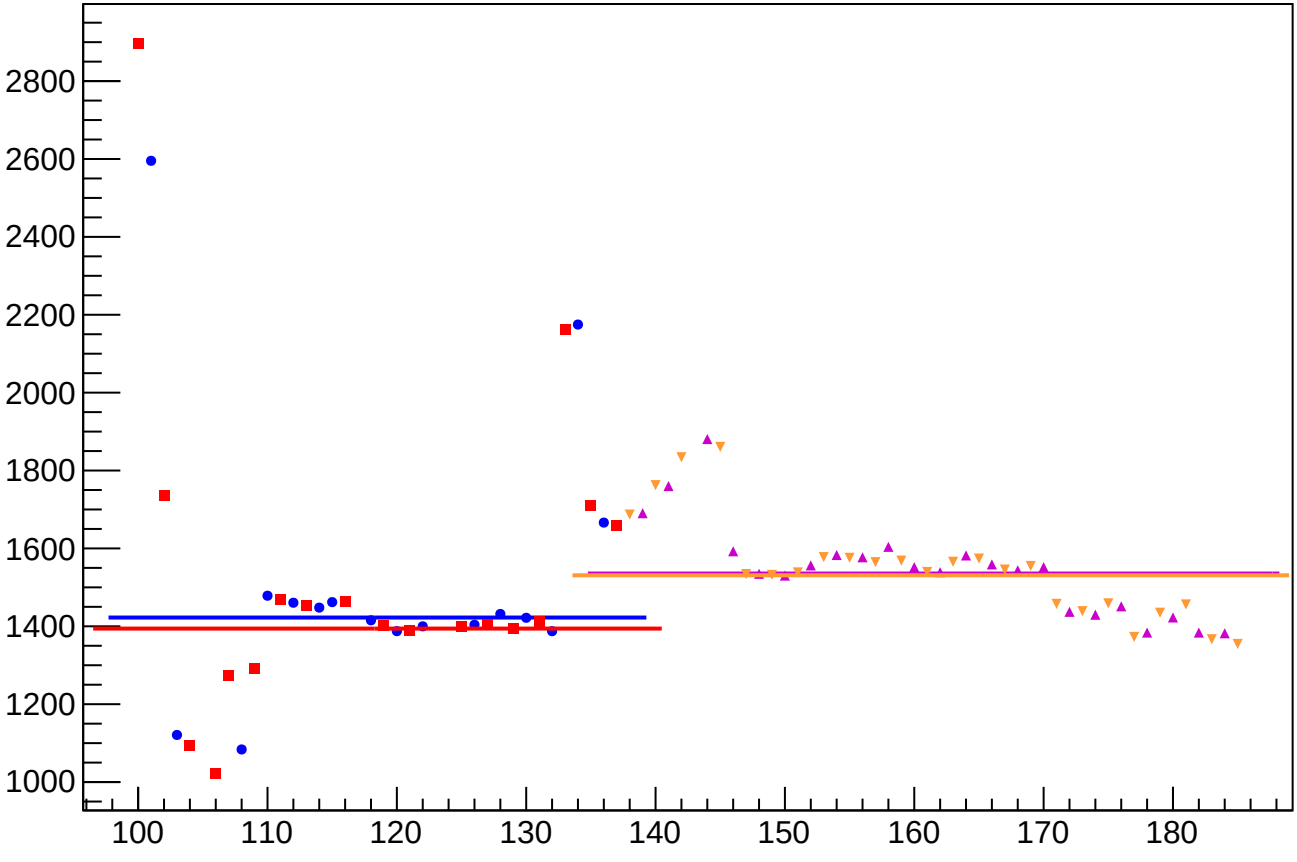
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 220.213+/-297.449 χ^2/NDF: 49.5/39

All: 117.343+/-210.370 χ^2/NDF: 89.1/80

- 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: 1530.976+/-0.252 χ^2/NDF:203539.8/23

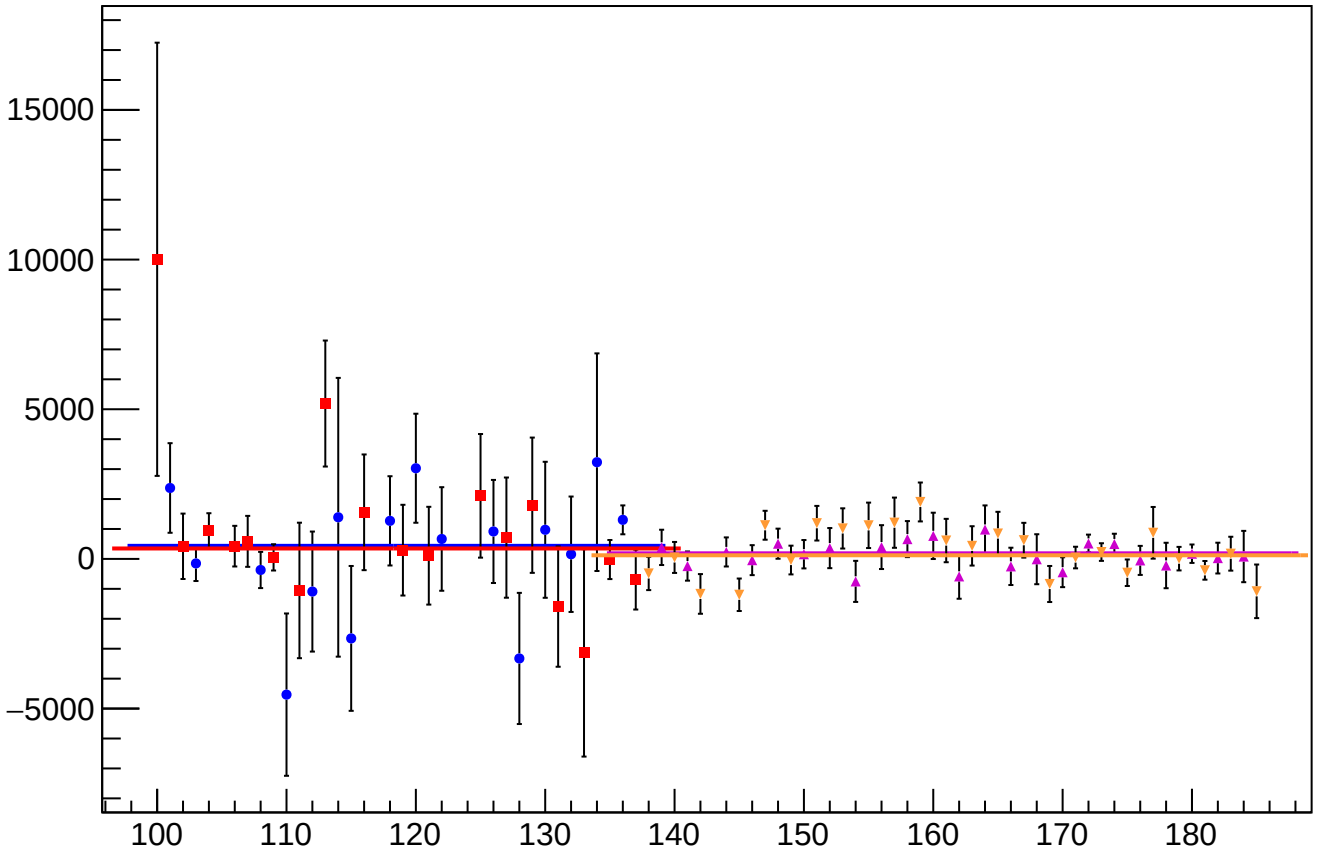
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1498.074+/-0.210 χ^2/NDF: 819996.5/39

All: 1494.547+/-0.149 χ^2/NDF: 1504071.7/80

- 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: 121.327+/-105.060 χ^2/NDF:43.6/23

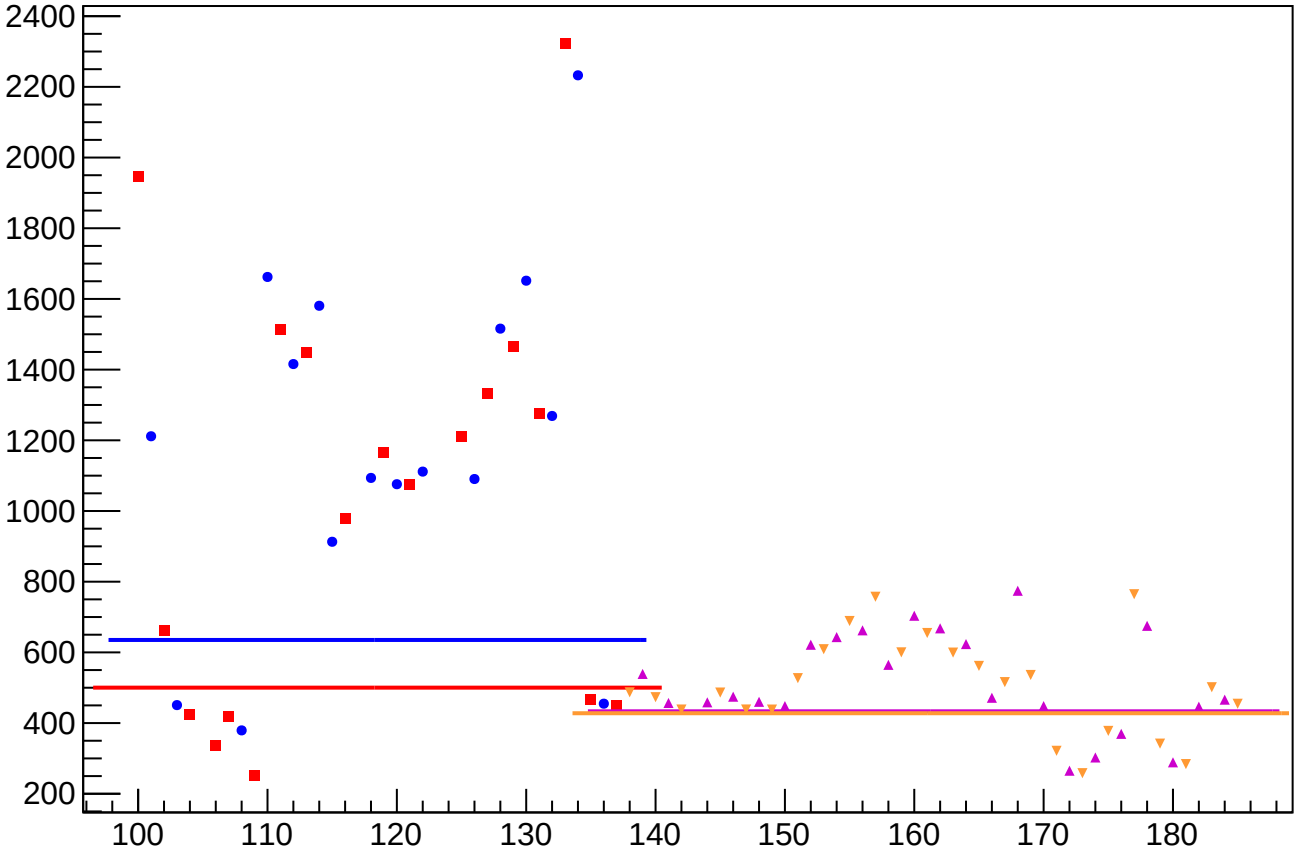
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 161.237+/-98.183 χ^2/NDF: 64.1/39

All: 188.287+/-69.102 χ^2/NDF: 90.2/80

- sign 214.837+/-97.272 χ^2/NDF: 25.9/40



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

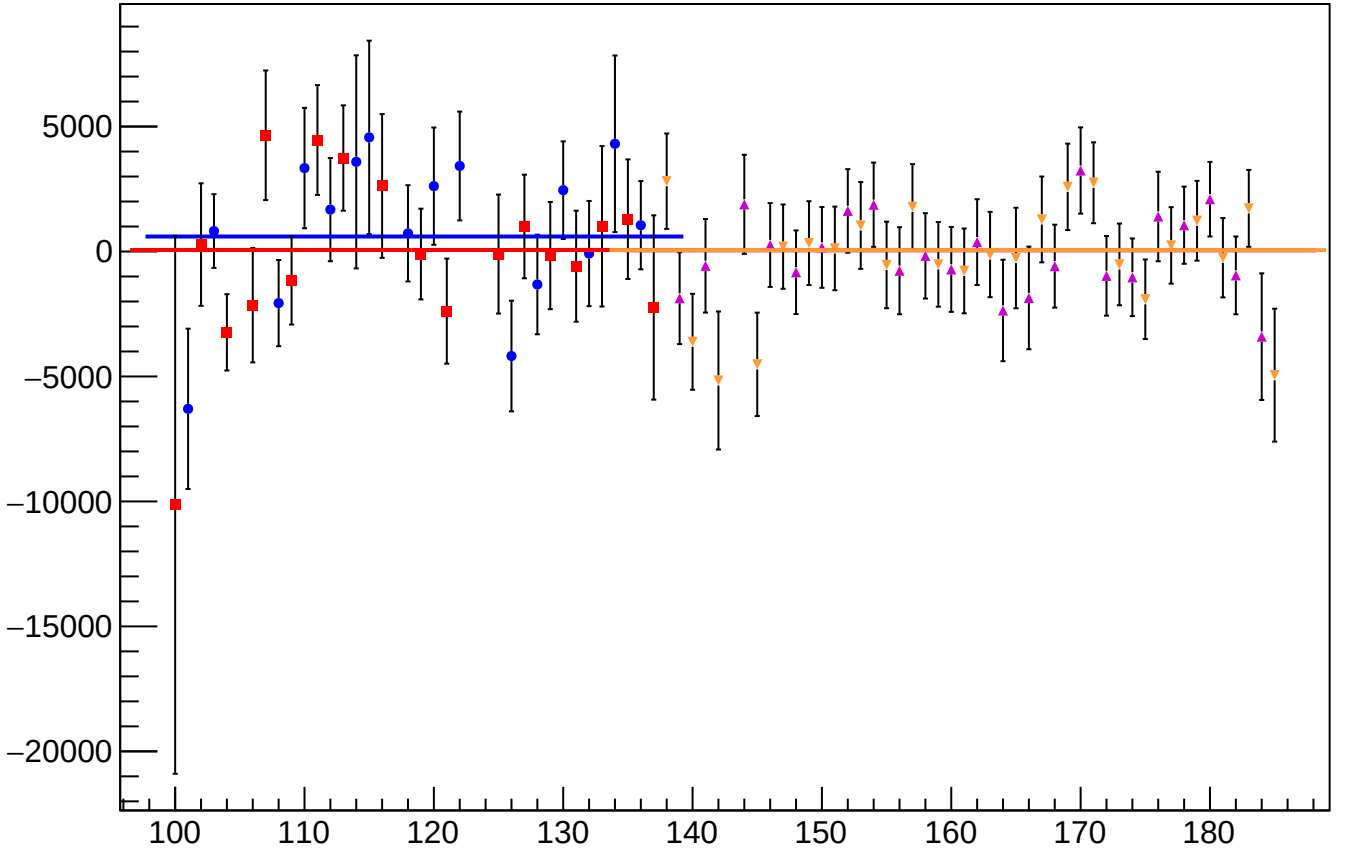
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 454.066+/-0.069 χ^2/NDF: 7926931.2/39

All: 449.429+/-0.049 χ^2/NDF: 15628518.3/80

- 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: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

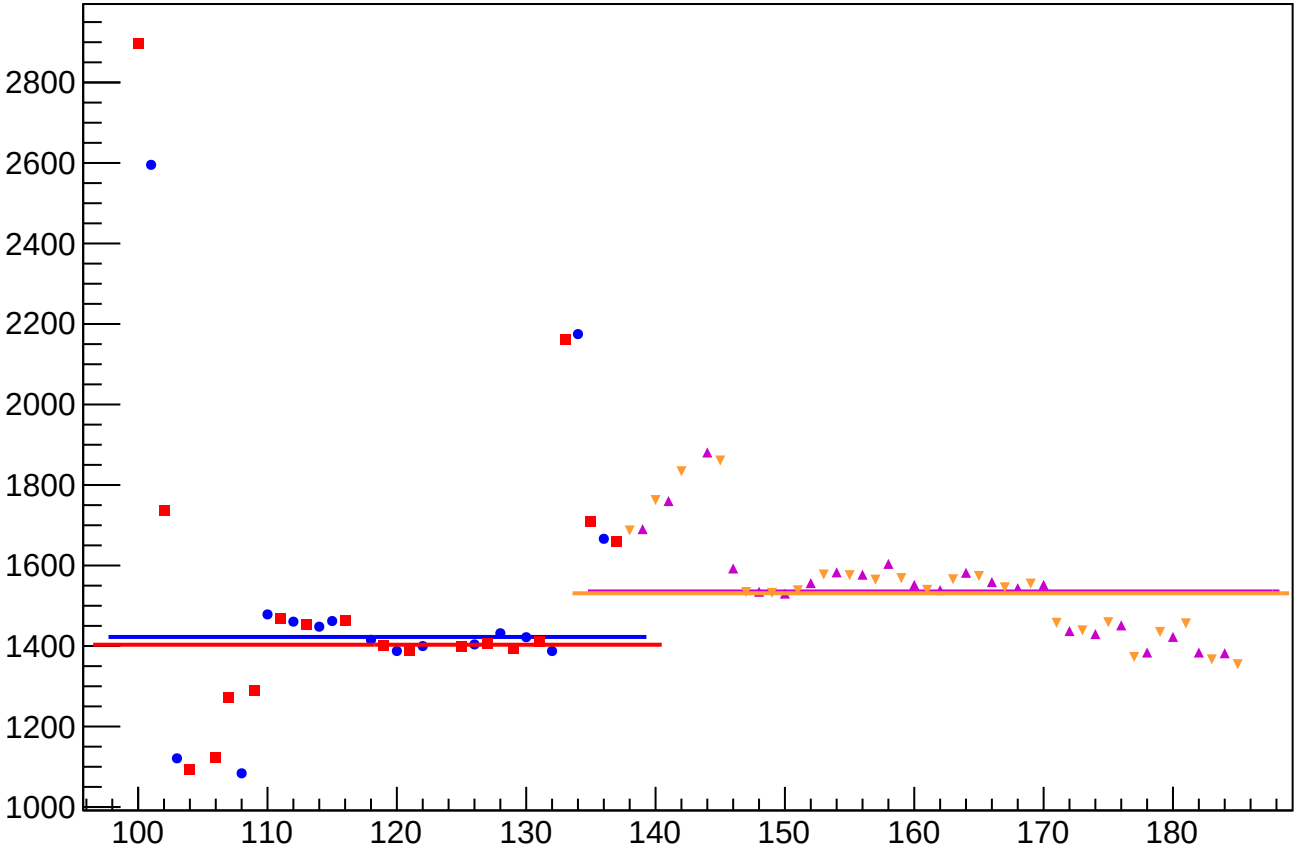
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 220.149+/-297.449 χ^2/NDF: 49.5/39

All: 136.260+/-210.533 χ^2/NDF: 86.8/80

- 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: 1530.976+/-0.252 χ^2/NDF:203539.7/23

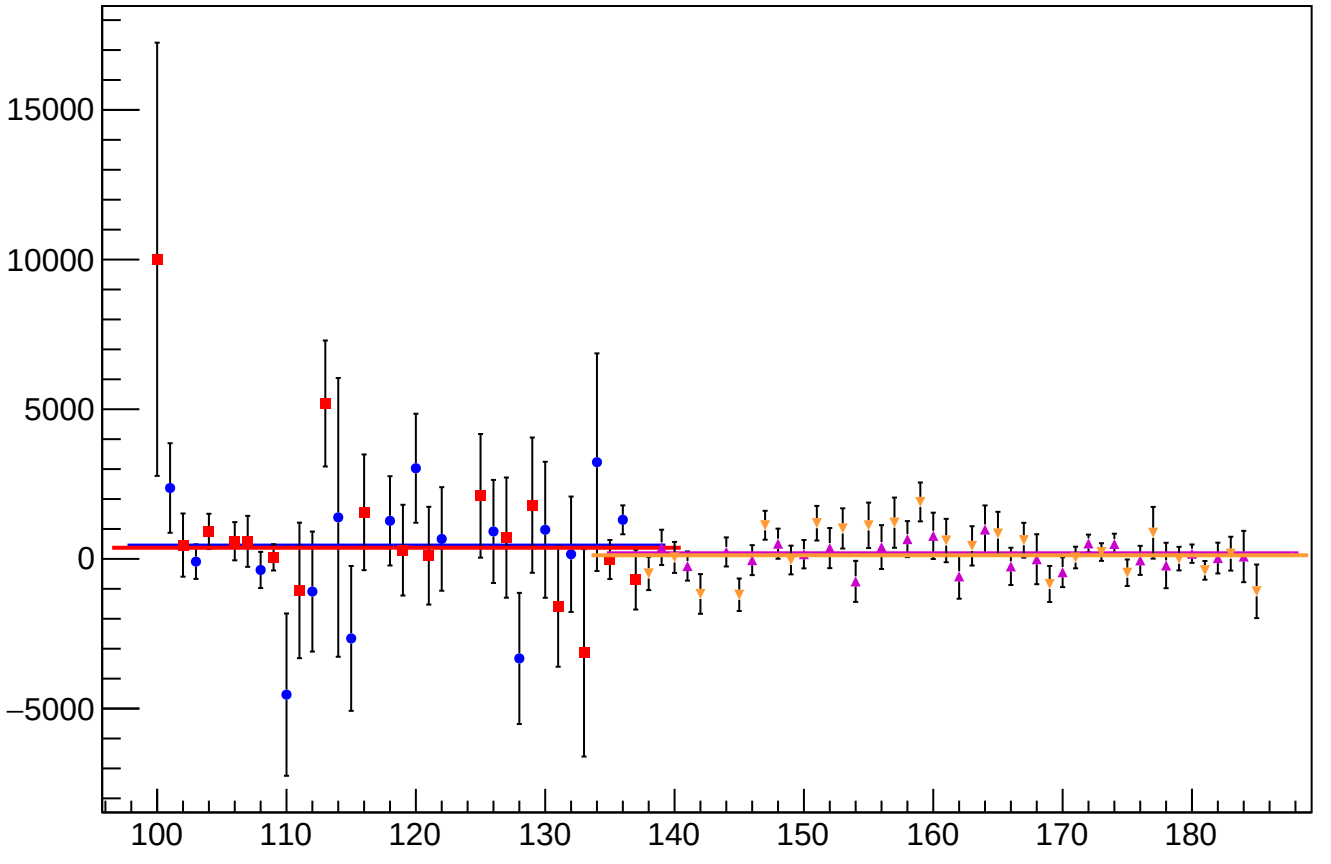
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1498.073+/-0.210 χ^2/NDF: 819996.8/39

All: 1496.116+/-0.149 χ^2/NDF: 1456484.6/80

- 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: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

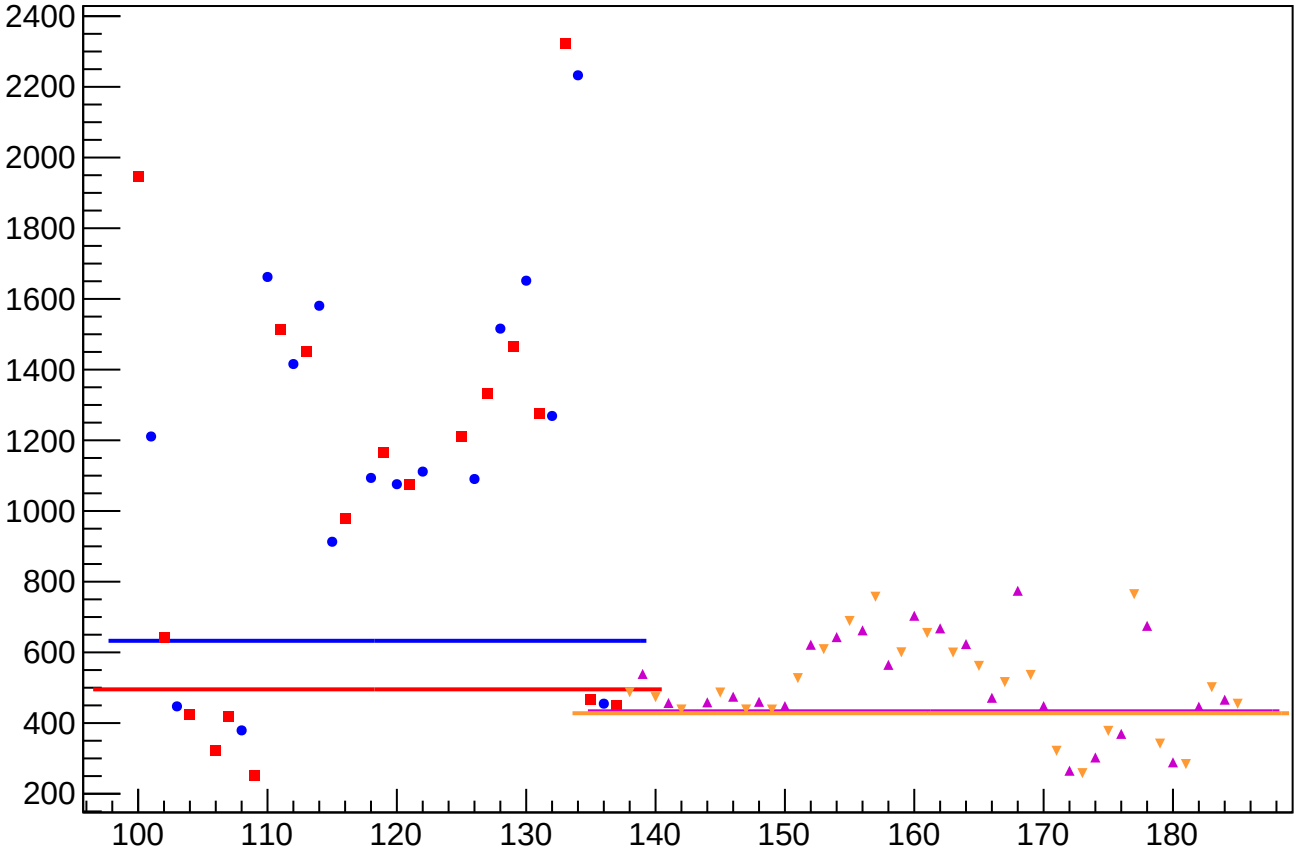
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 162.634+/-98.130 χ^2/NDF: 64.0/39

All: 191.475+/-69.021 χ^2/NDF: 90.4/80

- 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: 427.814+/-0.074 χ^2/NDF:3188396.1/23

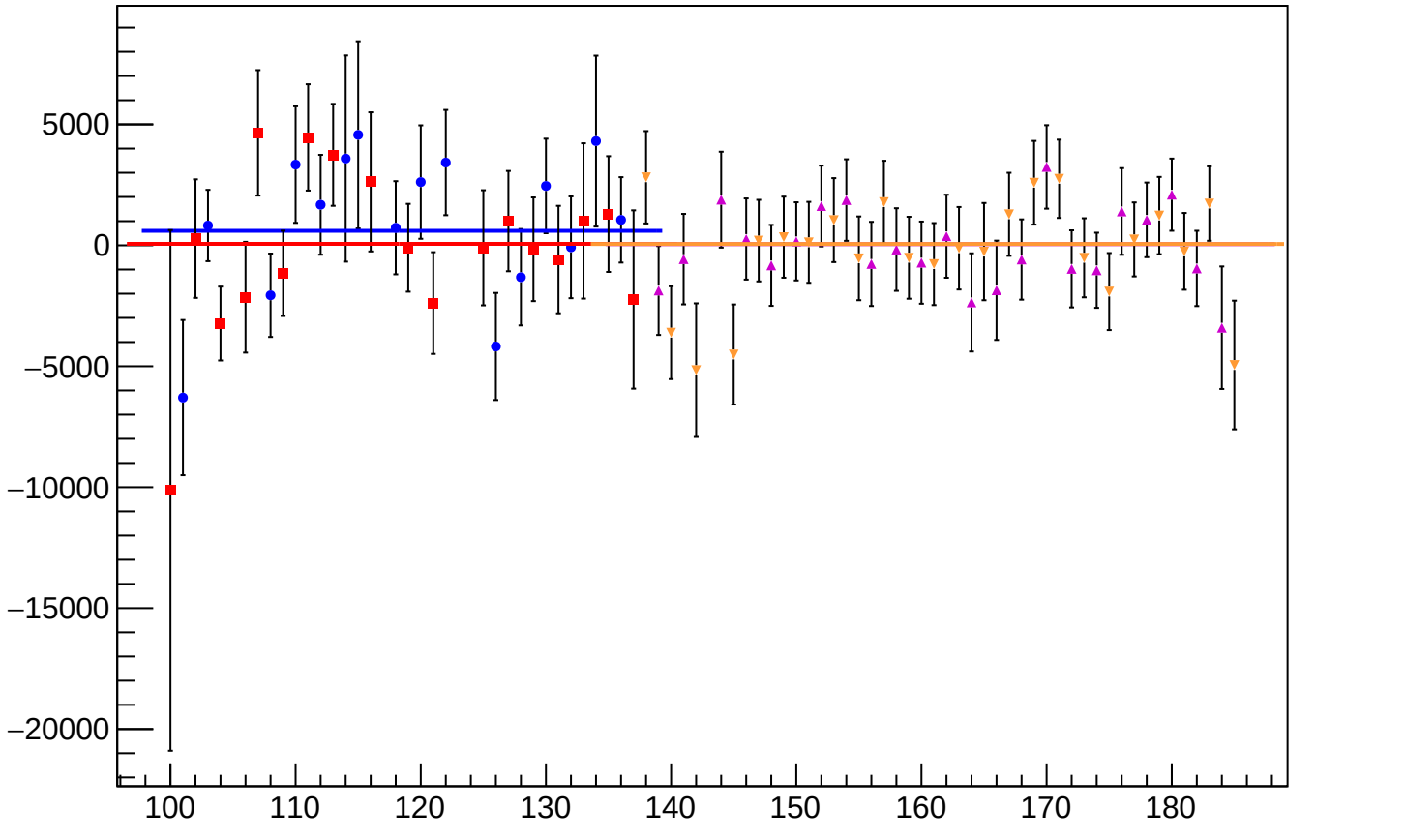
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 453.959+/-0.069 χ^2/NDF: 7927019.6/39

All: 449.040+/-0.049 χ^2/NDF: 15641023.6/80

- 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: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

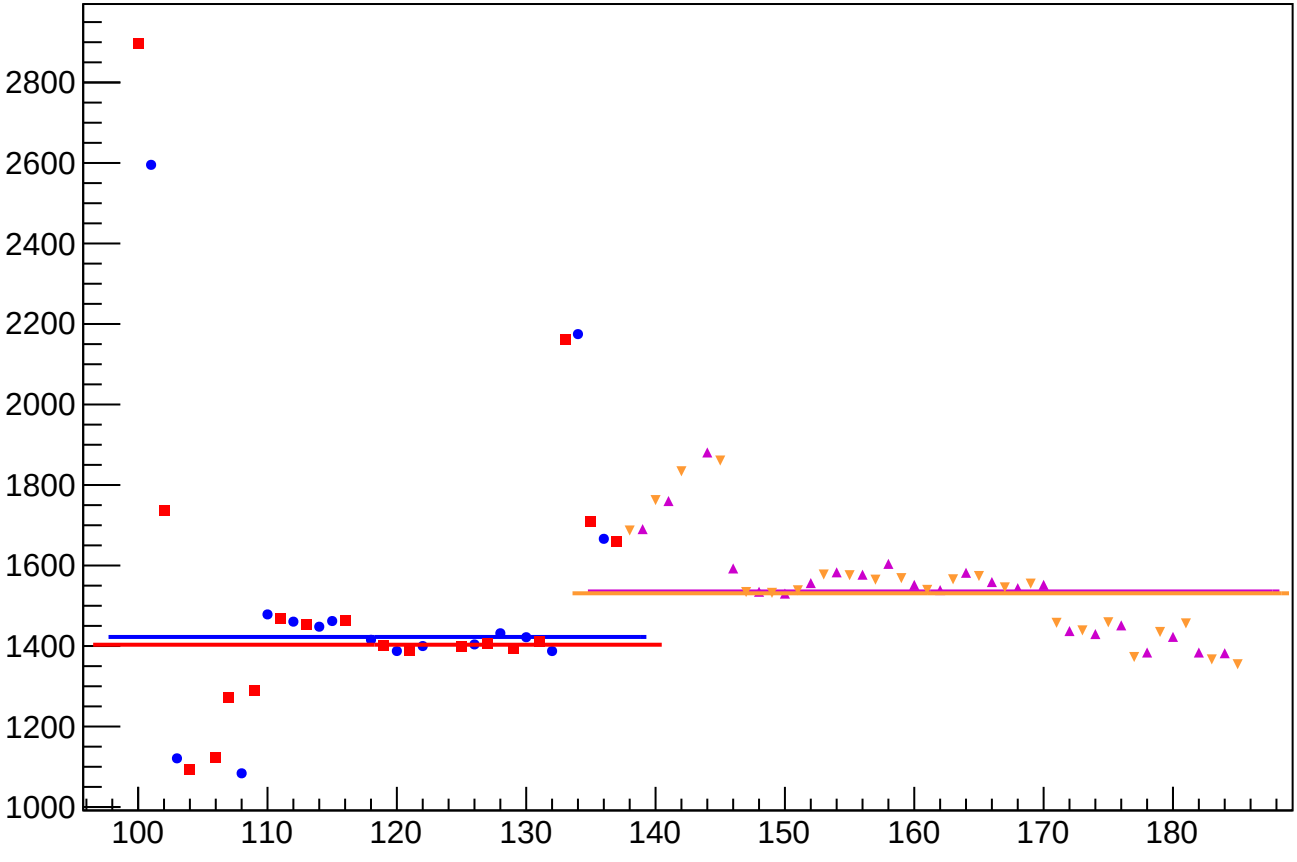
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

\+ sign 220.149+/-297.449 χ^2/NDF: 49.5/39

All: 136.260+/-210.533 χ^2/NDF: 86.8/80

\- 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: 1530.976+/-0.252 χ^2/NDF:203539.7/23

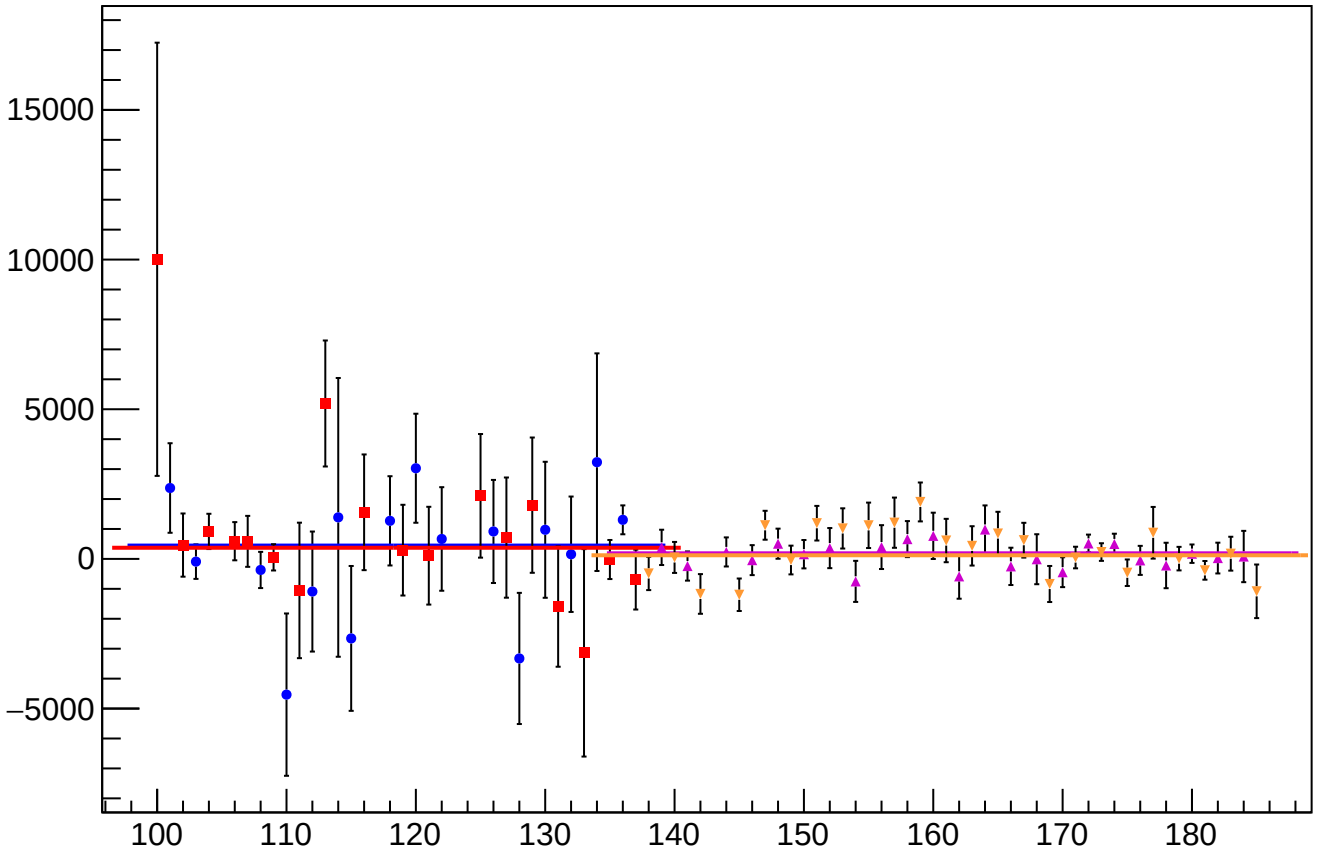
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1498.073+/-0.210 χ^2/NDF: 819996.8/39

All: 1496.116+/-0.149 χ^2/NDF: 1456484.6/80

- 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: 121.325+/-105.060 χ^2/NDF:43.7/23

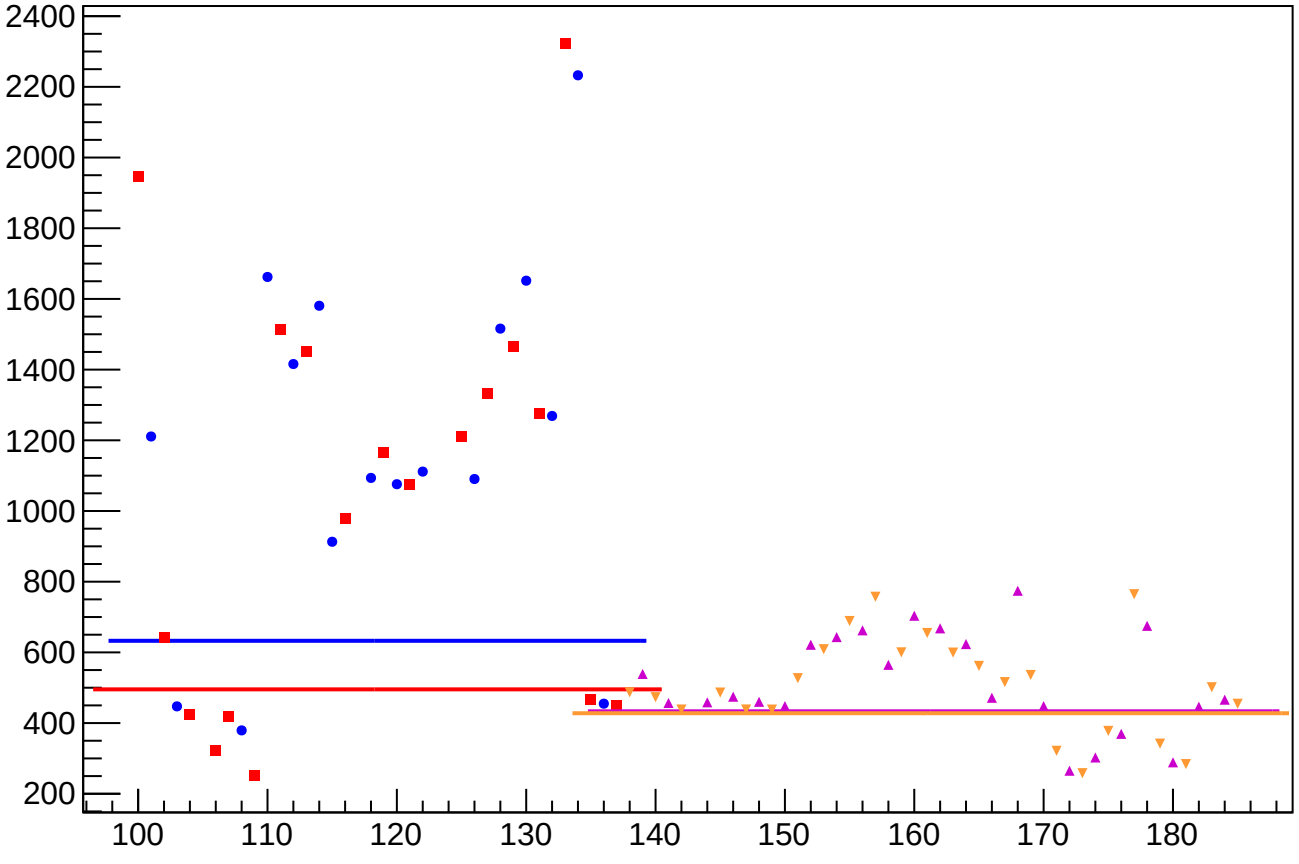
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 162.634+/-98.130 χ^2/NDF: 64.0/39

All: 191.475+/-69.021 χ^2/NDF: 90.4/80

- 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: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

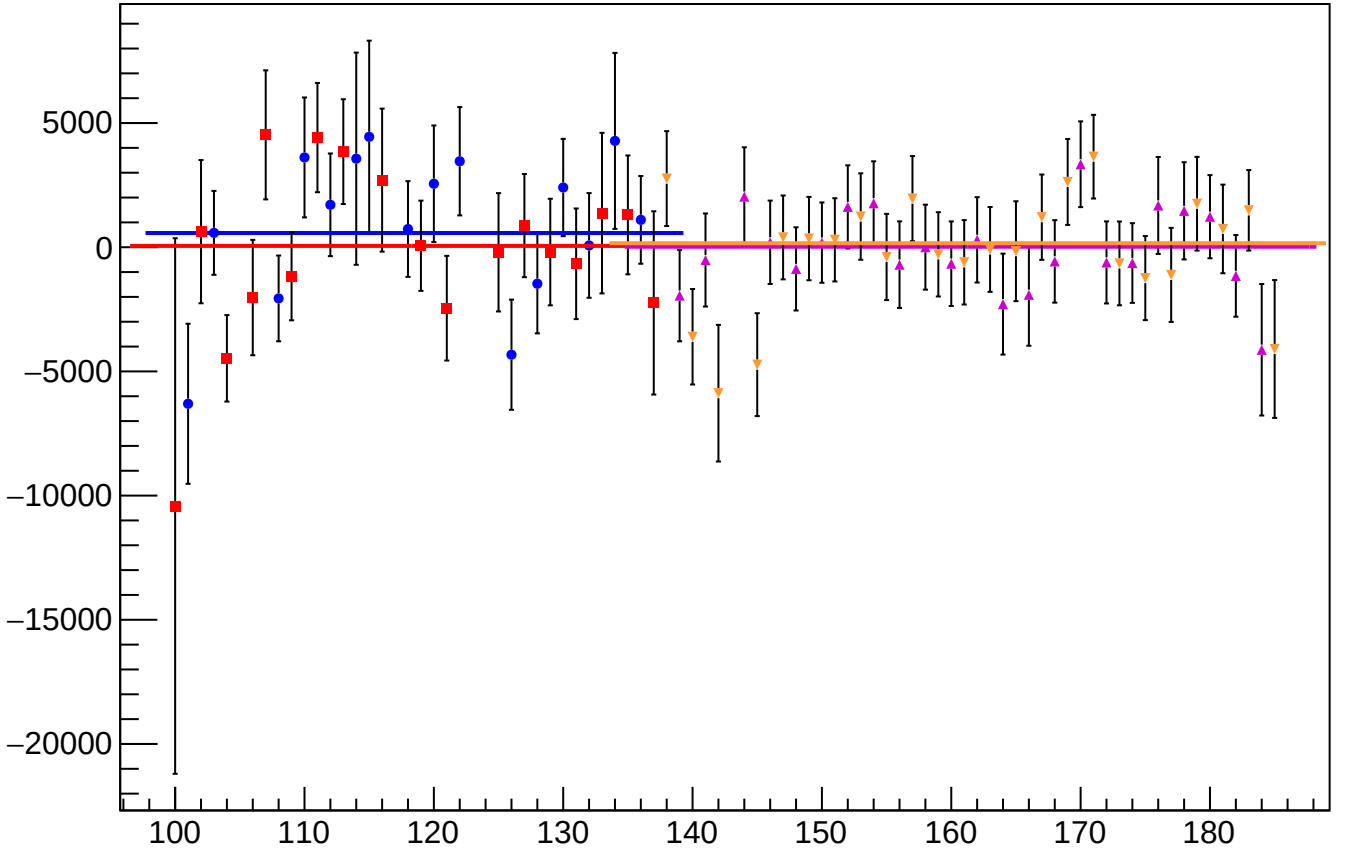
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 453.959+/-0.069 χ^2/NDF: 7927019.6/39

All: 449.040+/-0.049 χ^2/NDF: 15641023.6/80

- sign 444.223+/-0.069 χ^2/NDF: 7704054.7/40

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

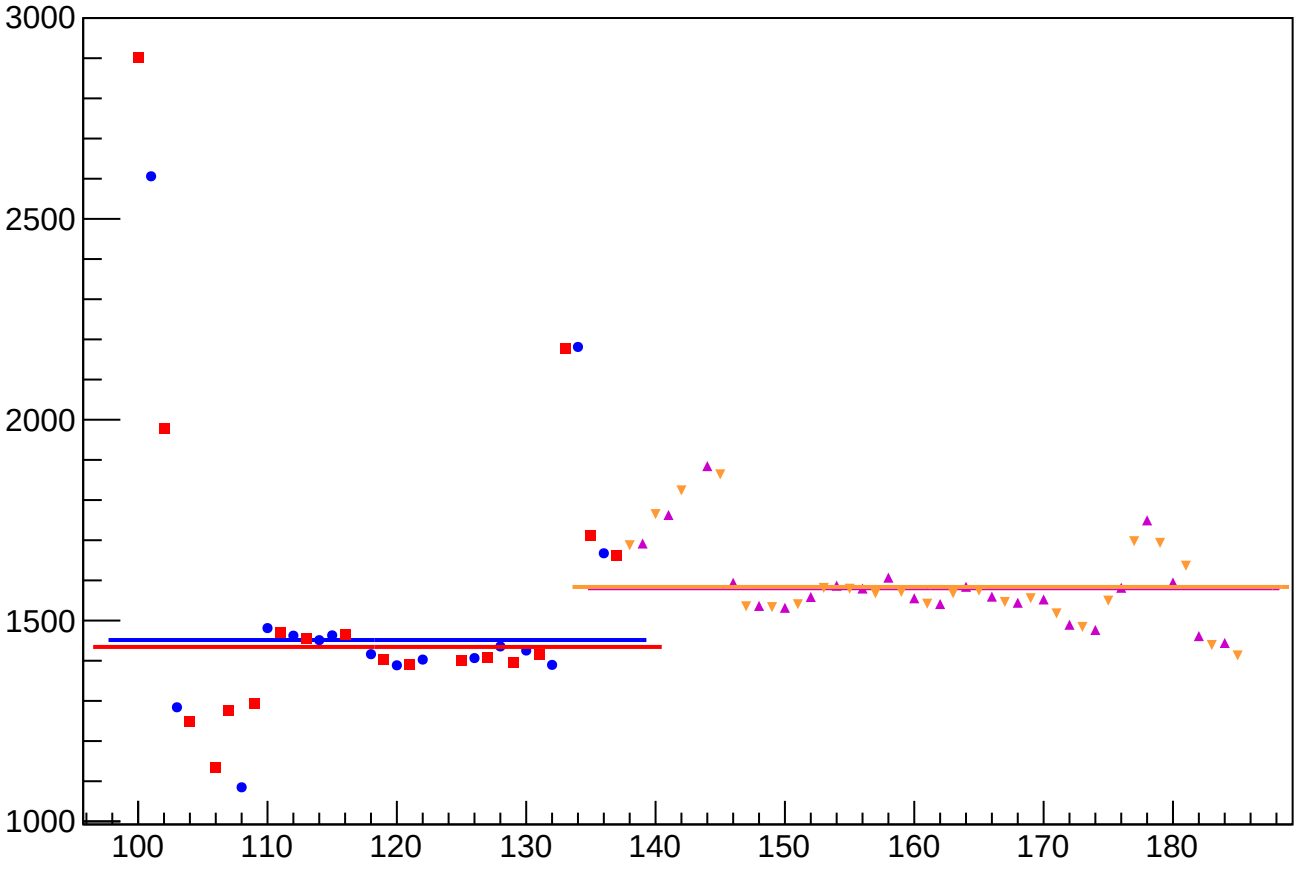
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 288.886+/-305.999 χ^2/NDF: 51.1/39

All: 159.869+/-216.395 χ^2/NDF: 89.9/80

- 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: 1583.673+/-0.260 χ^2/NDF:133583.1/23

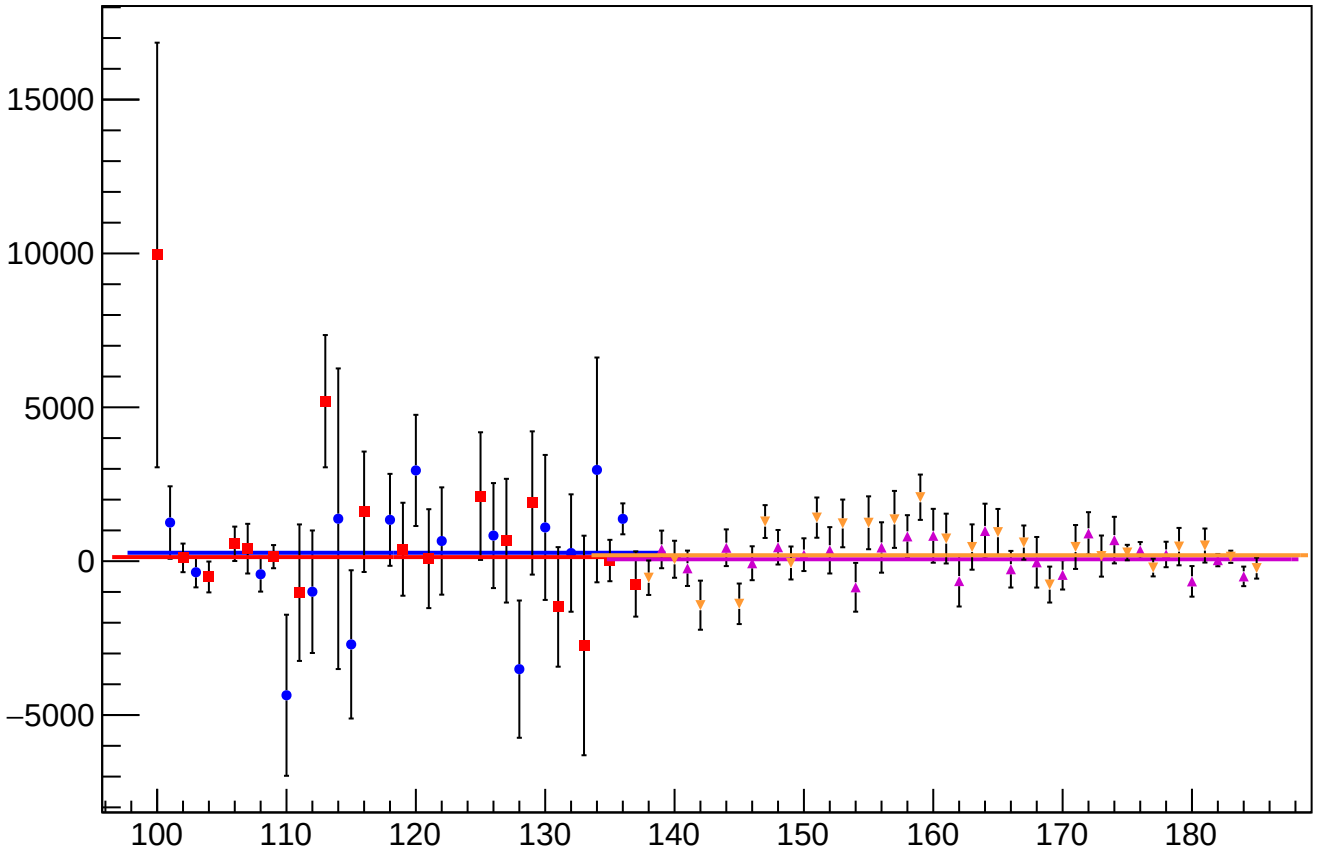
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1542.731+/-0.216 χ^2/NDF: 701132.2/39

All: 1538.584+/-0.153 χ^2/NDF: 1254593.0/80

- 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: 193.307+/-95.894 χ^2/NDF:40.1/23

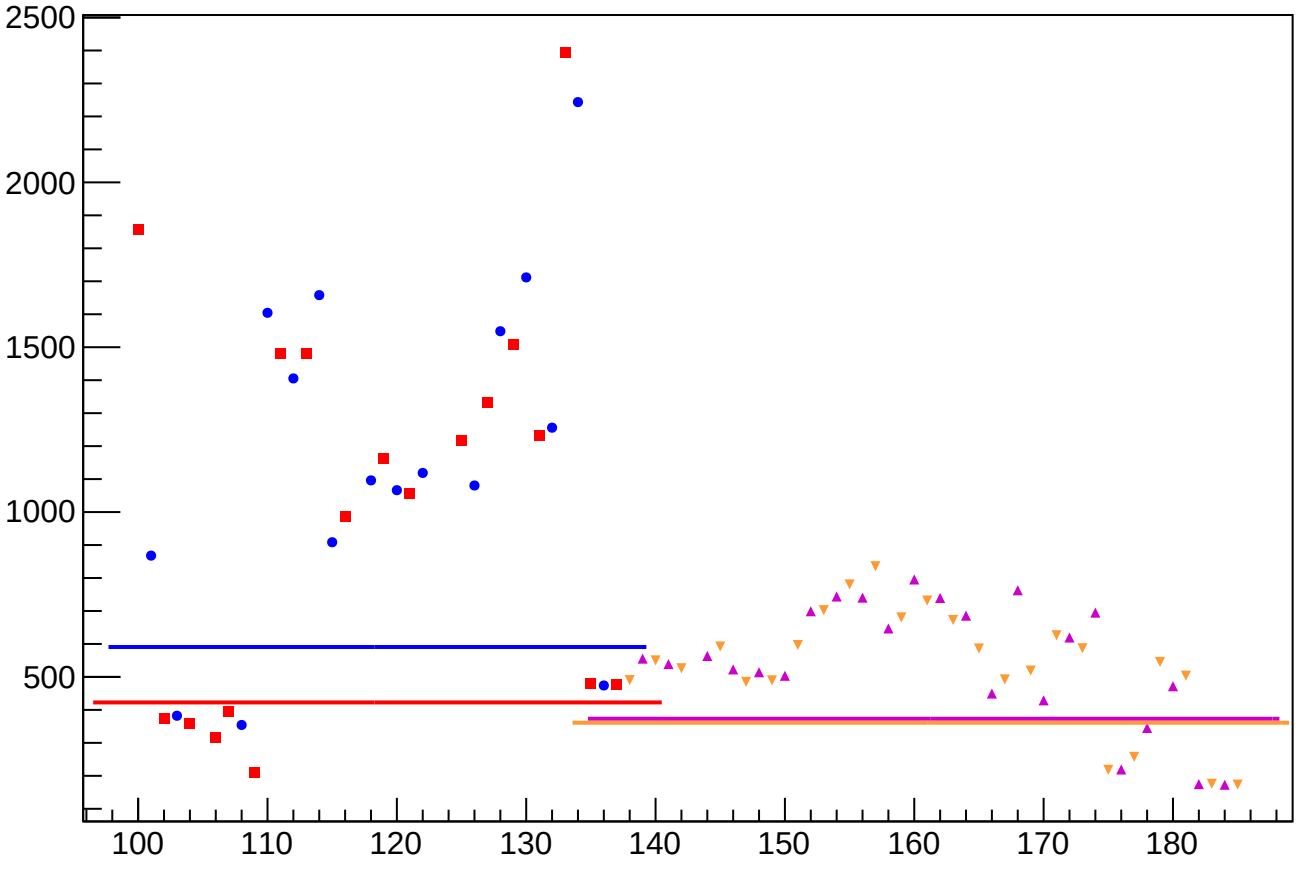
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 202.867+/-89.992 χ^2/NDF: 60.4/39

All: 138.974+/-63.233 χ^2/NDF: 92.9/80

- 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: 361.100+/-0.068 χ^2/NDF:8183123.9/23

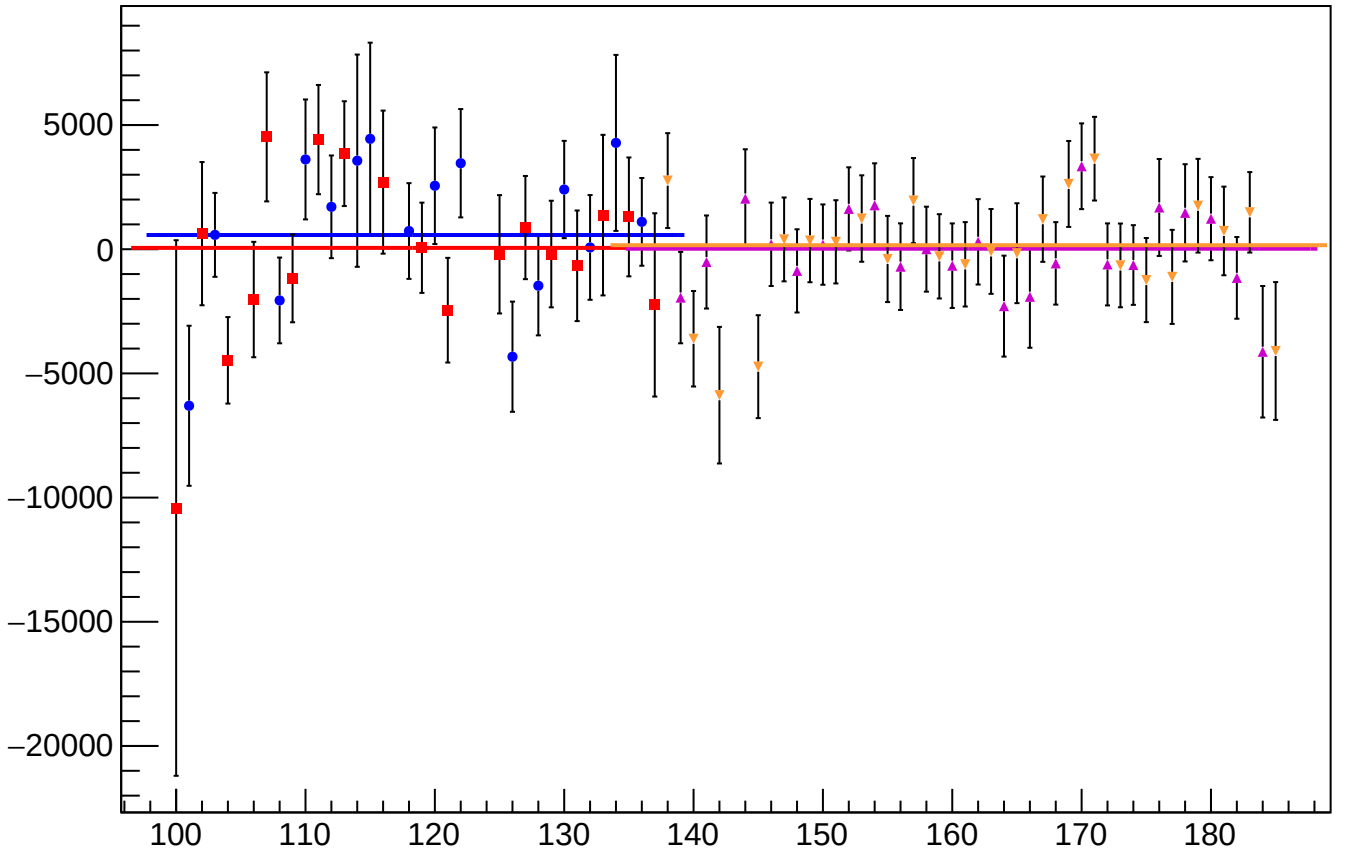
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 388.498+/-0.064 χ^2/NDF: 13437132.4/39

All: 385.877+/-0.045 χ^2/NDF: 26607195.2/80

- 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: 161.587+/-368.366 χ^2/NDF:29.9/23

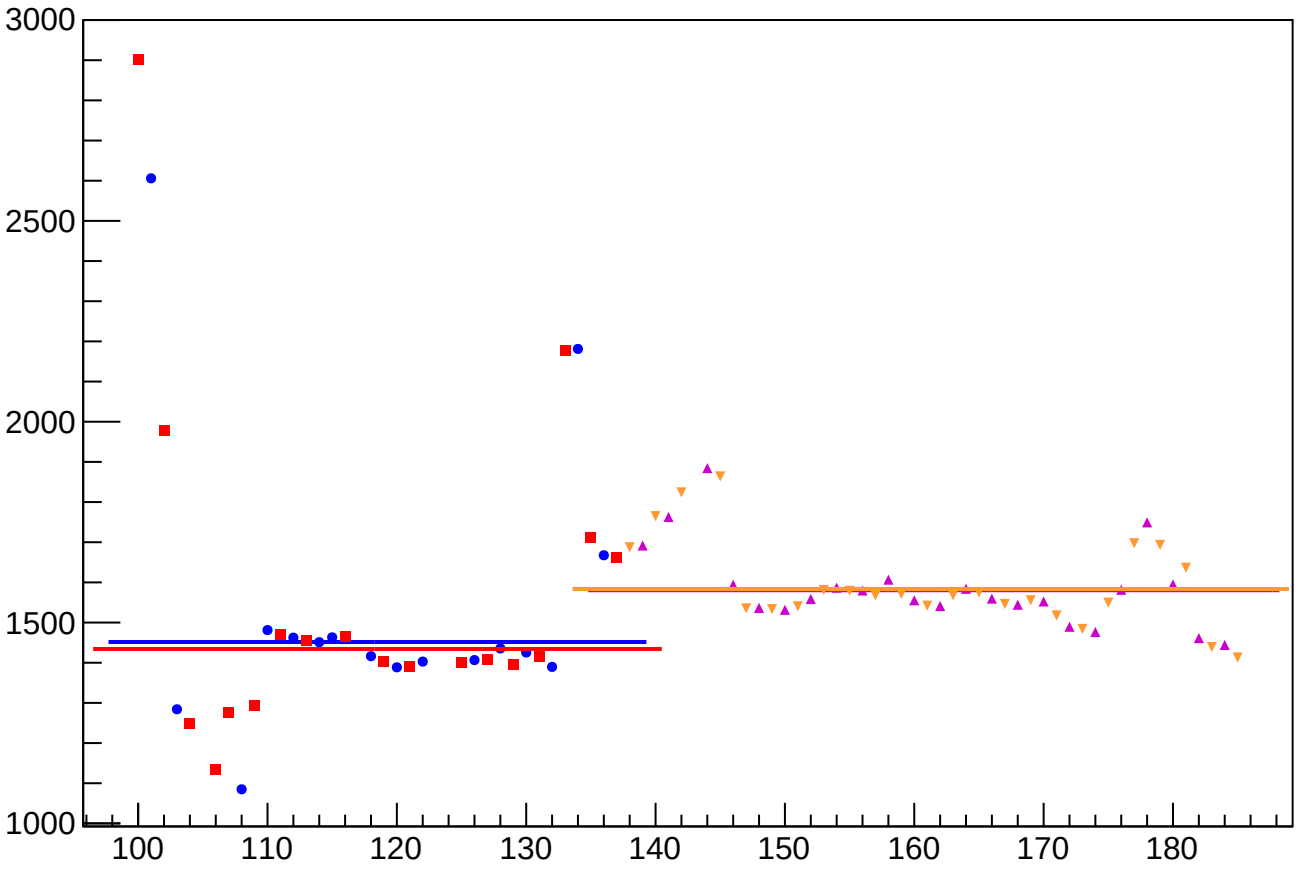
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 288.883+/-305.999 χ^2/NDF: 51.1/39

All: 159.867+/-216.395 χ^2/NDF: 89.9/80

- 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: 1583.673+/-0.260 χ^2/NDF:133583.3/23

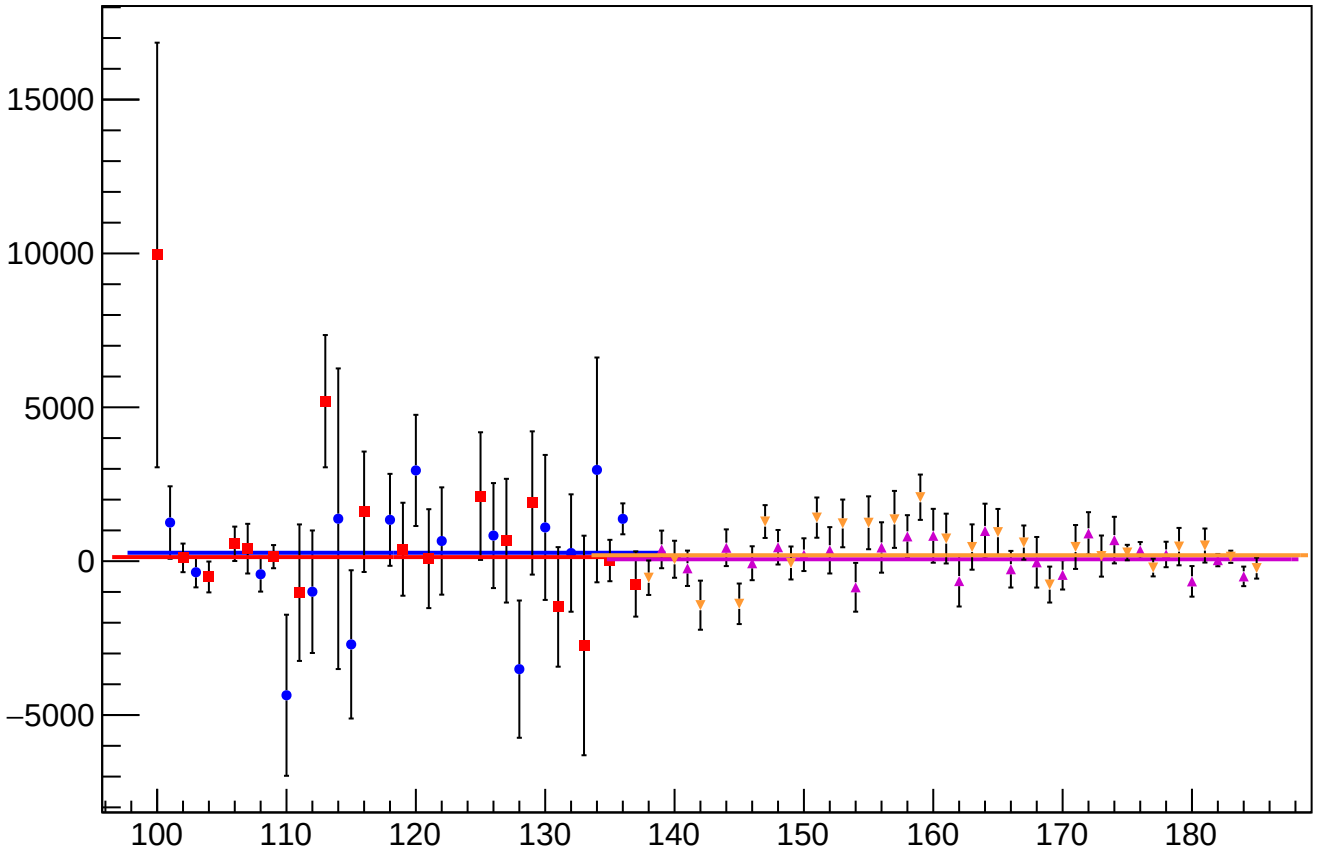
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1542.731+/-0.216 χ^2/NDF: 701131.6/39

All: 1538.584+/-0.153 χ^2/NDF: 1254592.2/80

- 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: 193.312+/-95.894 χ^2/NDF:40.1/23

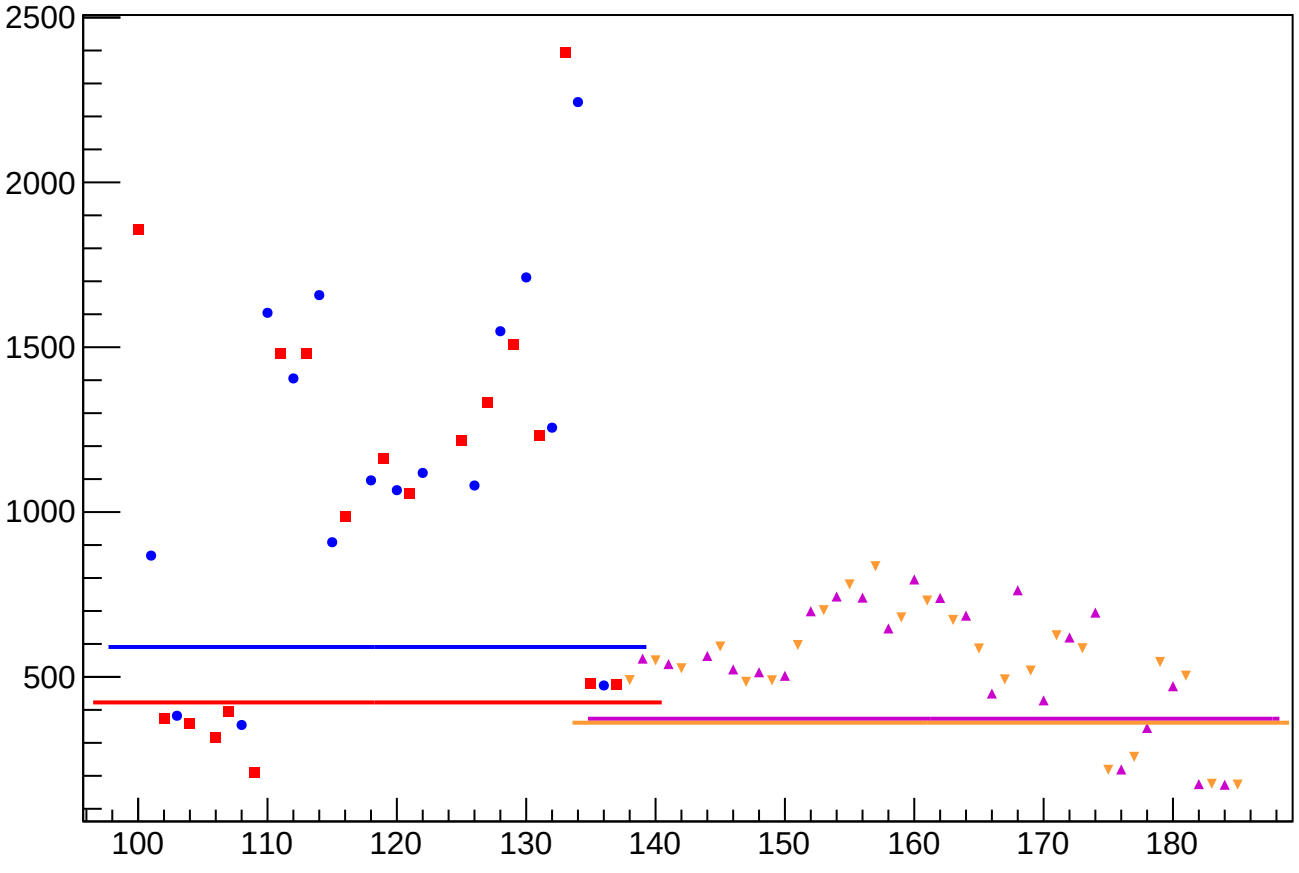
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 202.871+/-89.992 χ^2/NDF: 60.4/39

All: 138.975+/-63.234 χ^2/NDF: 92.9/80

- 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: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

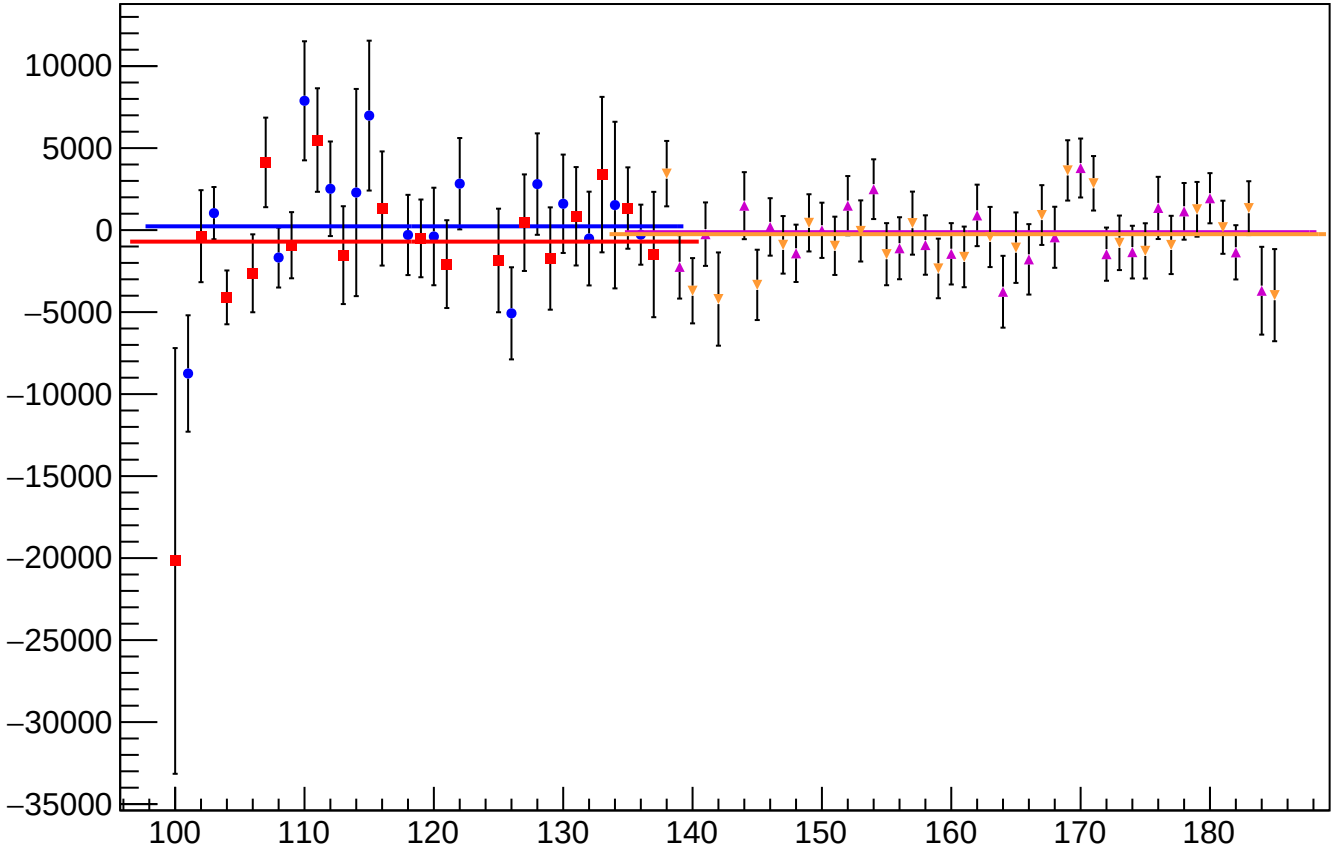
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 388.502+/-0.064 χ^2/NDF: 13436942.9/39

All: 385.881+/-0.045 χ^2/NDF: 26606679.4/80

- sign 383.326+/-0.063 χ^2/NDF: 13166387.4/40

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

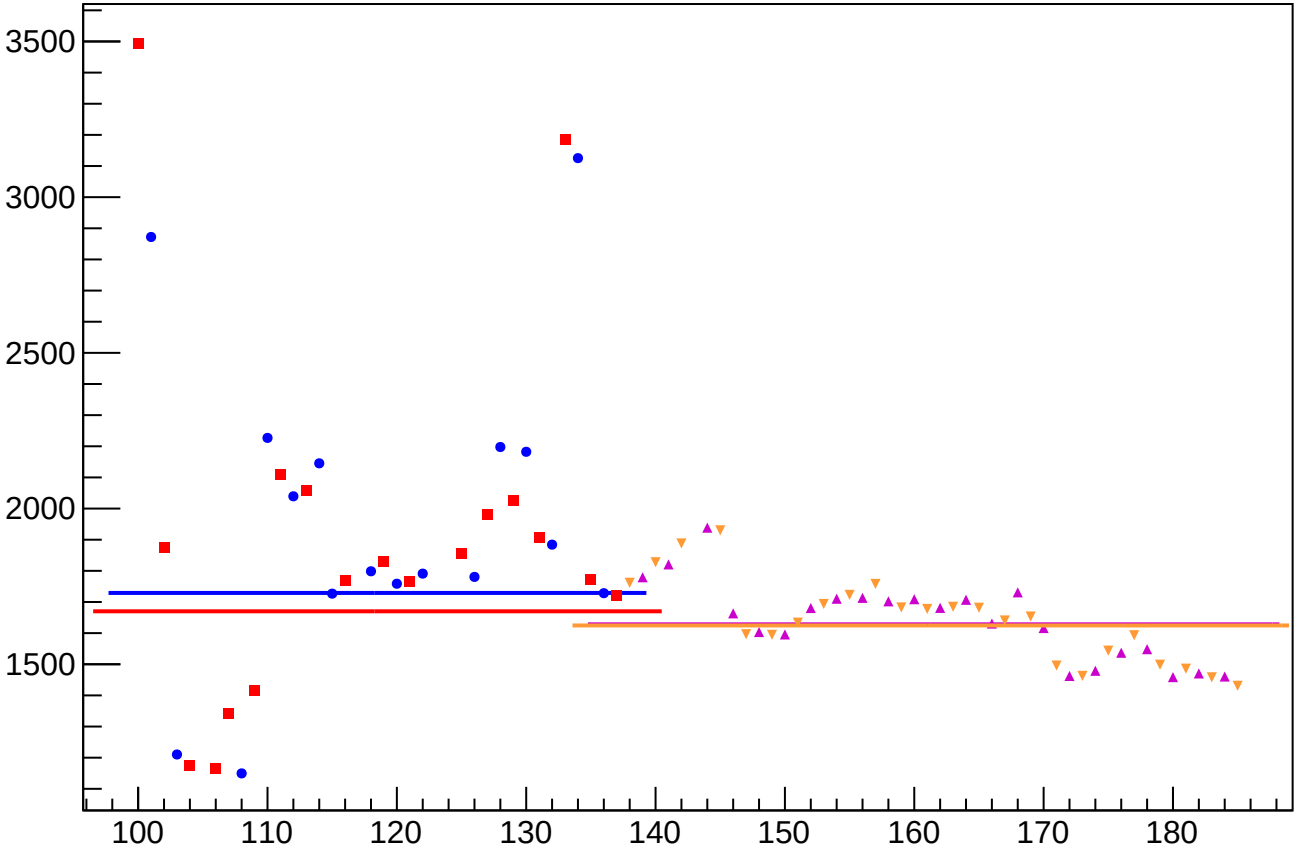
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -130.637+/-328.918 χ^2/NDF: 47.2/39

All: -202.468+/-232.493 χ^2/NDF: 86.1/80

- 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: 1624.614+/-0.267 χ^2/NDF:207257.7/23

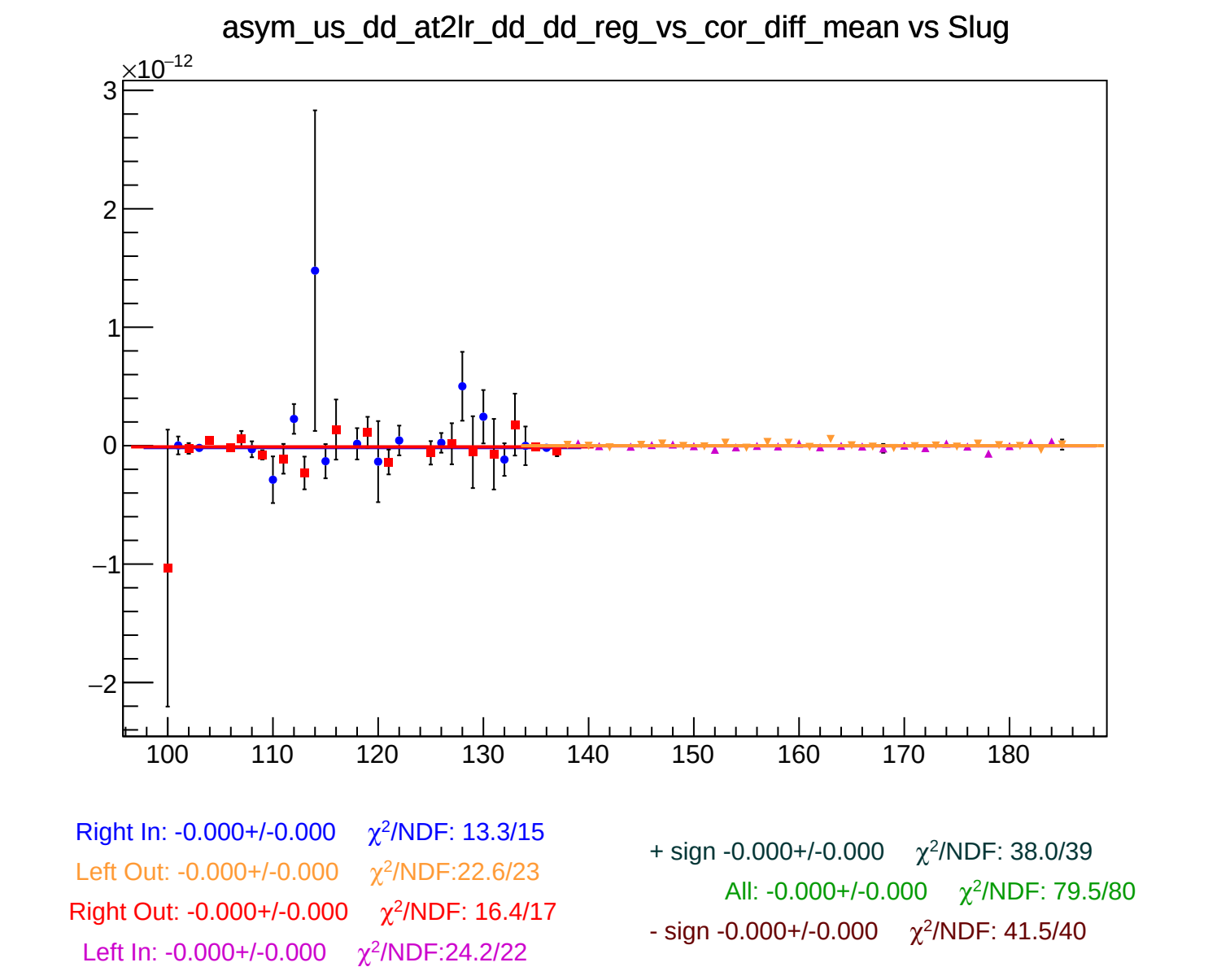
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

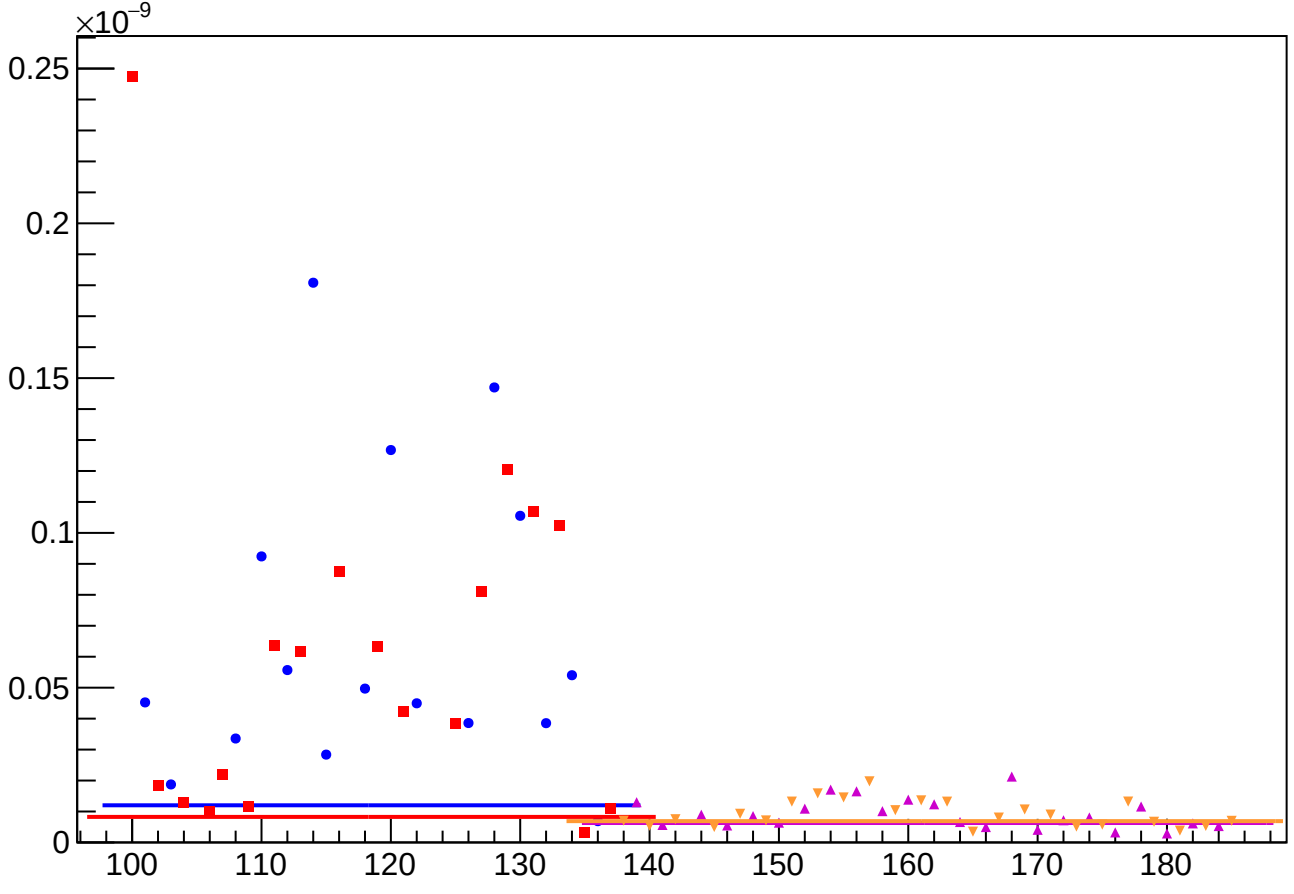
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1650.069+/-0.233 χ^2/NDF: 1186502.1/39

All: 1644.517+/-0.164 χ^2/NDF: 2143161.2/80

- 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:22.6/23
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: 38.0/39
All: -0.000+/-0.000 χ²/NDF: 79.5/80
- 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:2256547.8/23

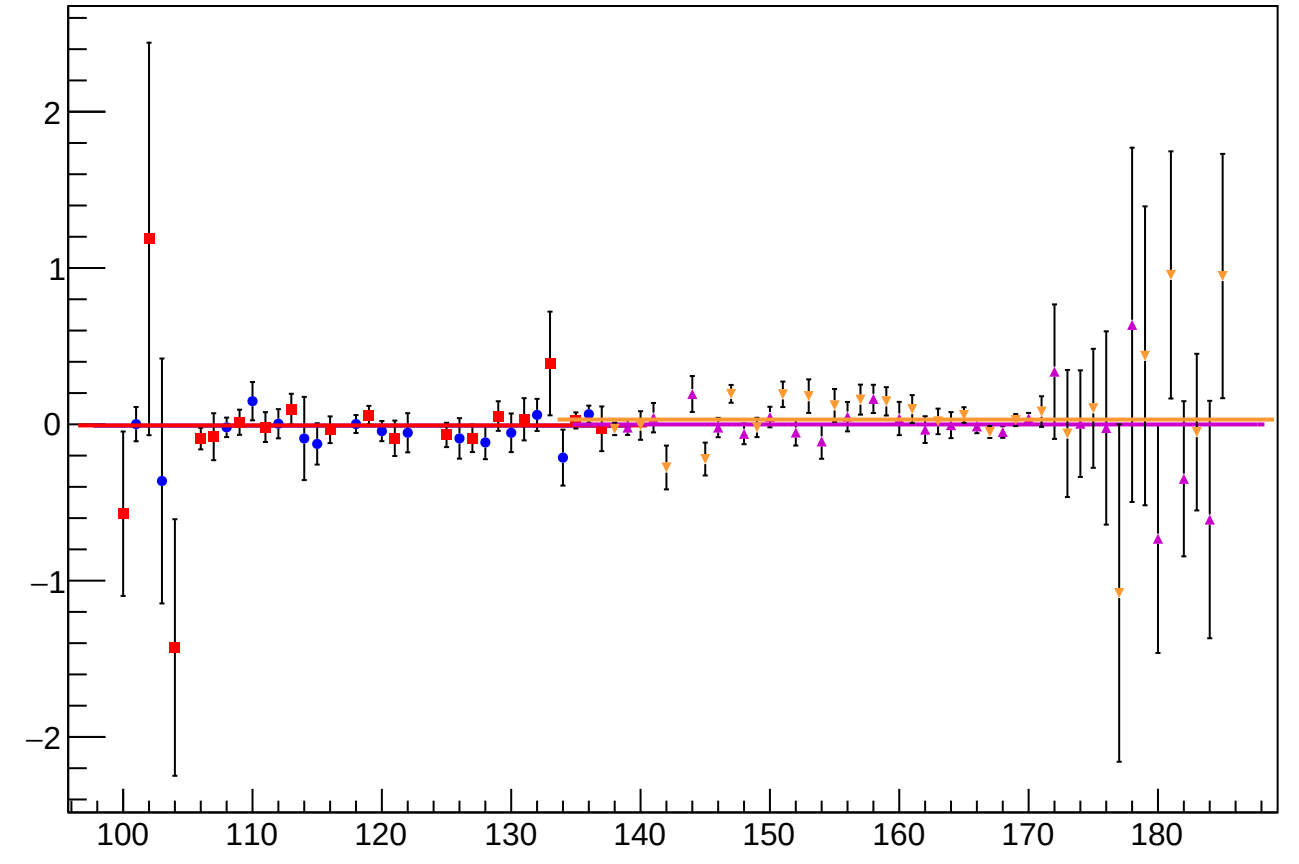
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6143416.9/39

All: 0.000+/-0.000 χ^2/NDF: 12722139.1/80

- 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: 0.031+/-0.015 χ^2/NDF:41.5/23

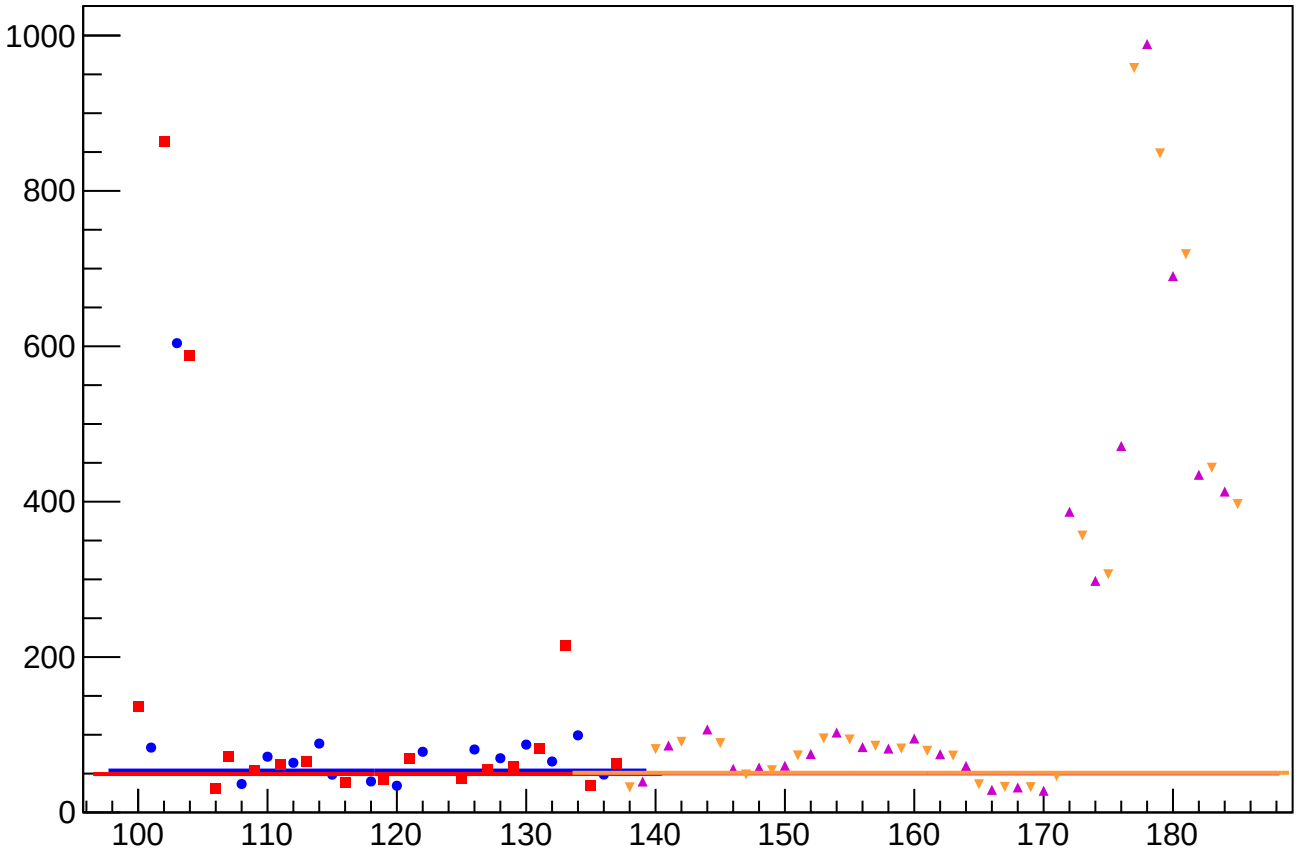
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.8/39

All: 0.008+/-0.009 χ^2/NDF: 83.0/80

- 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: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

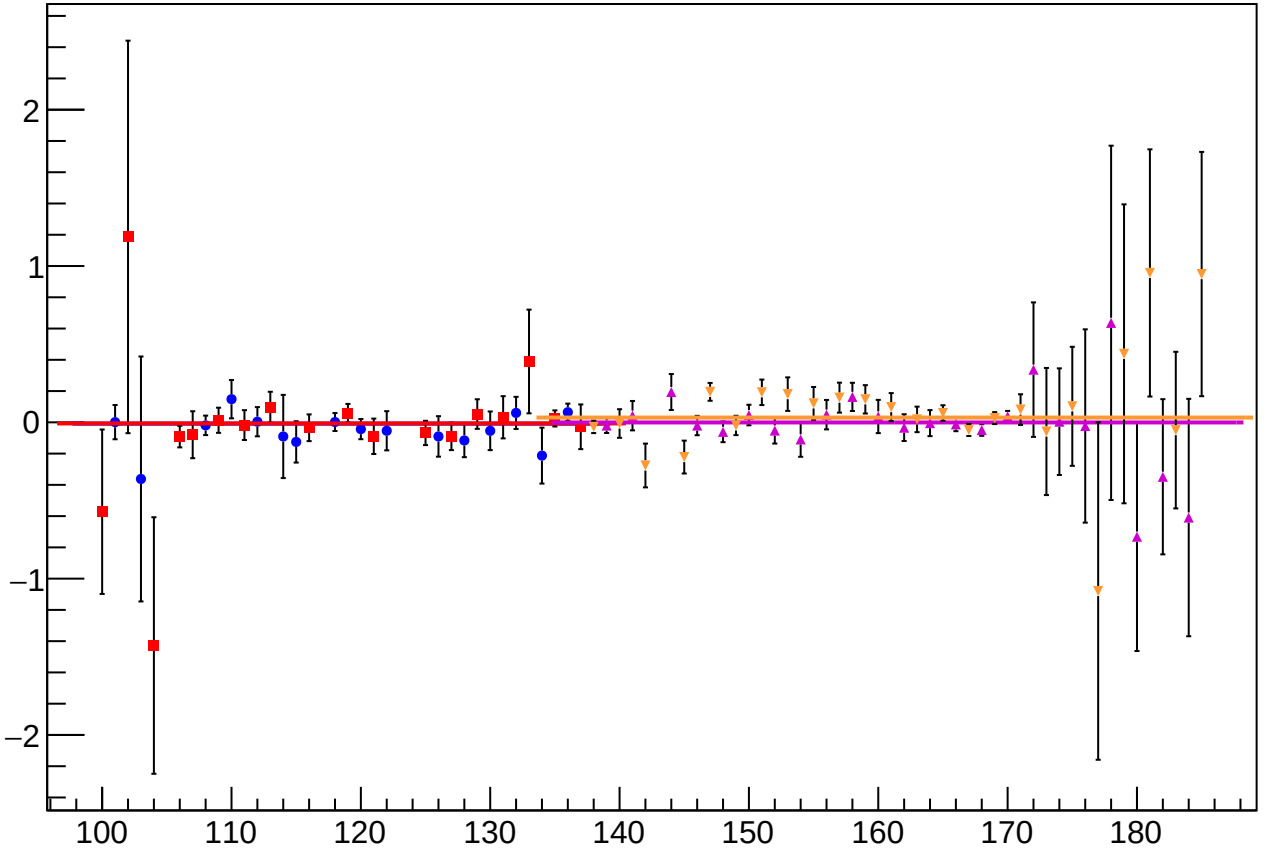
Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 51.962+/-0.009 χ^2/NDF: 13971919.4/39

All: 50.951+/-0.006 χ^2/NDF: 29211431.0/80

\- sign 49.984+/-0.009 χ^2/NDF: 15215342.8/40

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

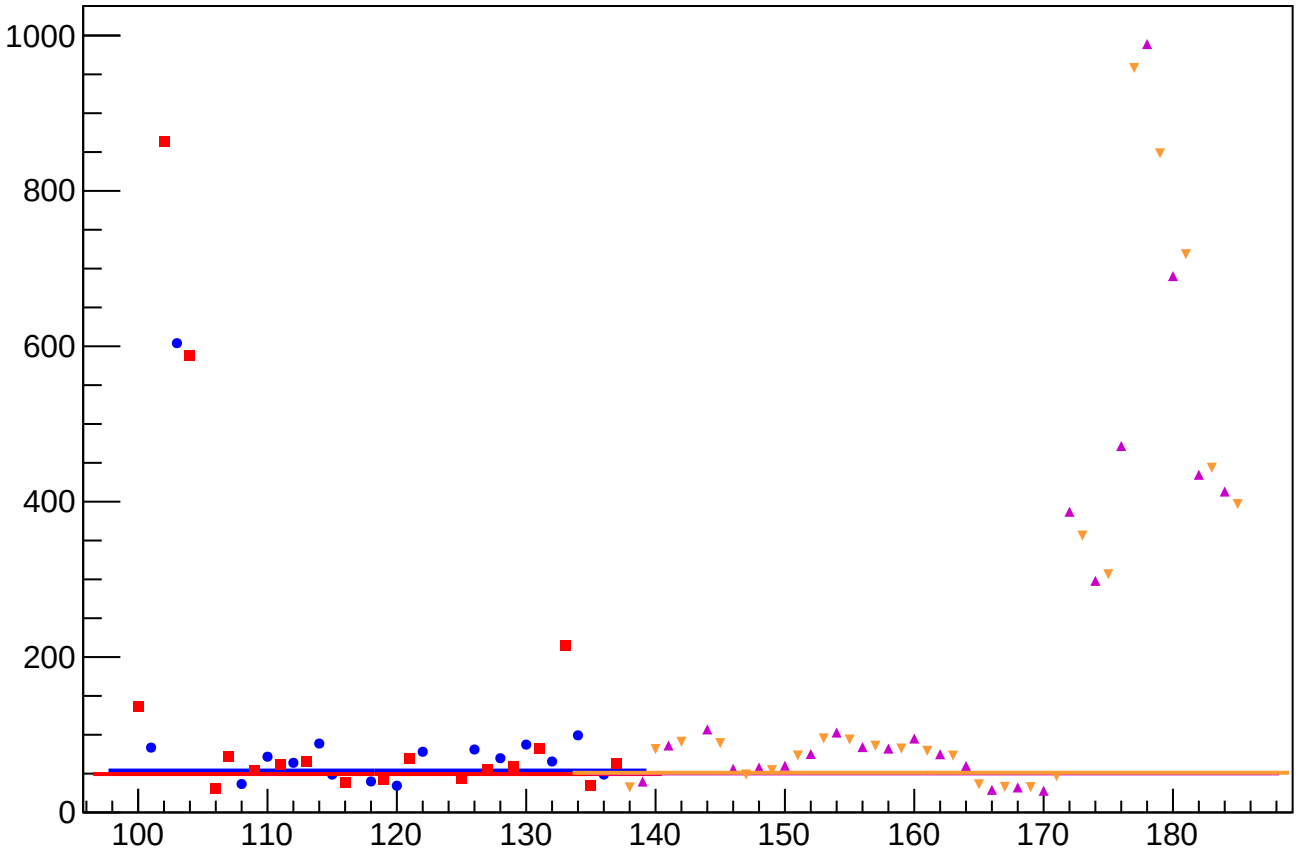
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.8/39

All: 0.008+/-0.009 χ^2/NDF: 83.0/80

- 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: 51.081+/-0.011 χ^2/NDF:11736636.7/23

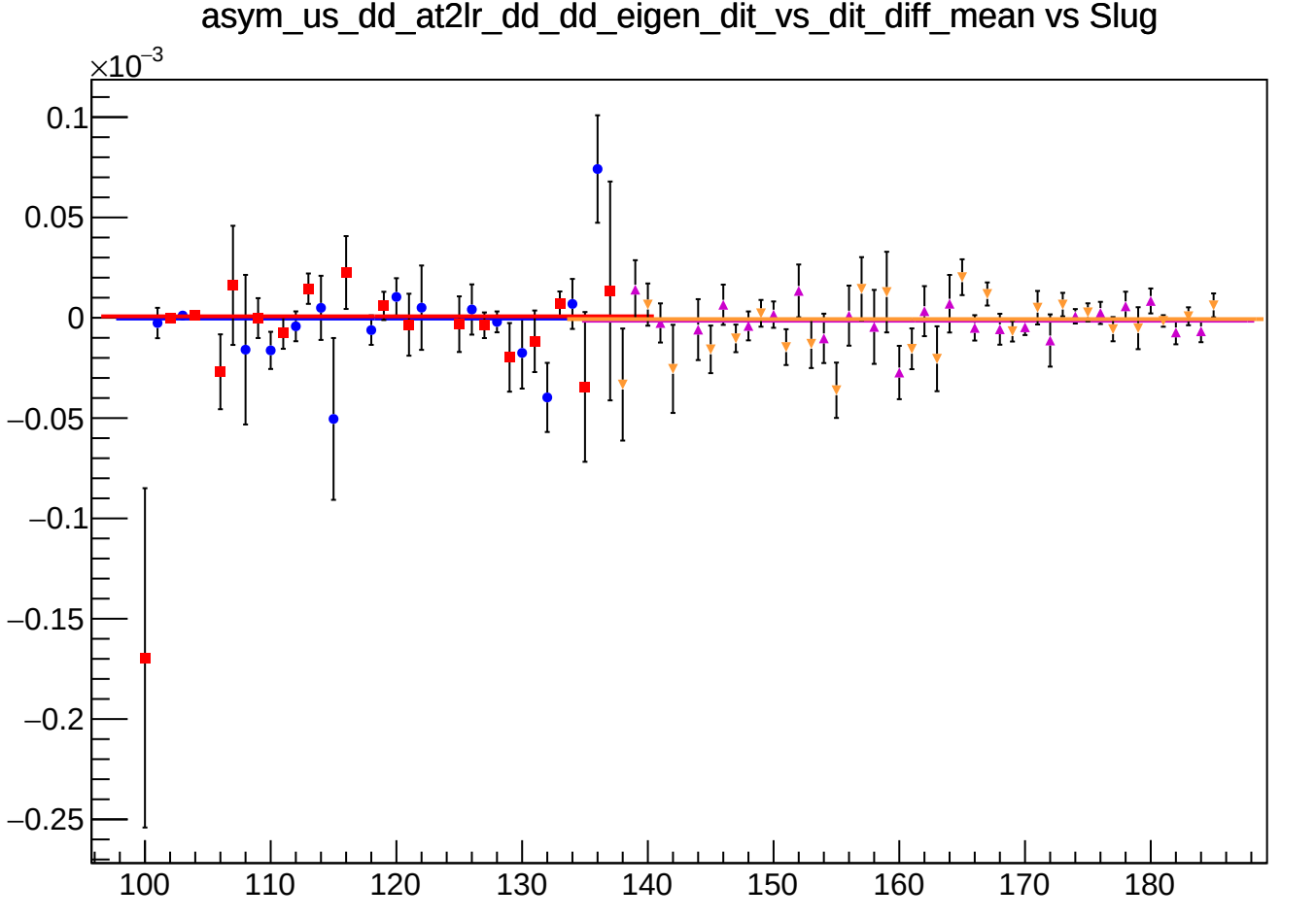
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 51.962+/-0.009 χ^2/NDF: 13971919.4/39

All: 50.951+/-0.006 χ^2/NDF: 29211431.0/80

\- 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:38.5/23

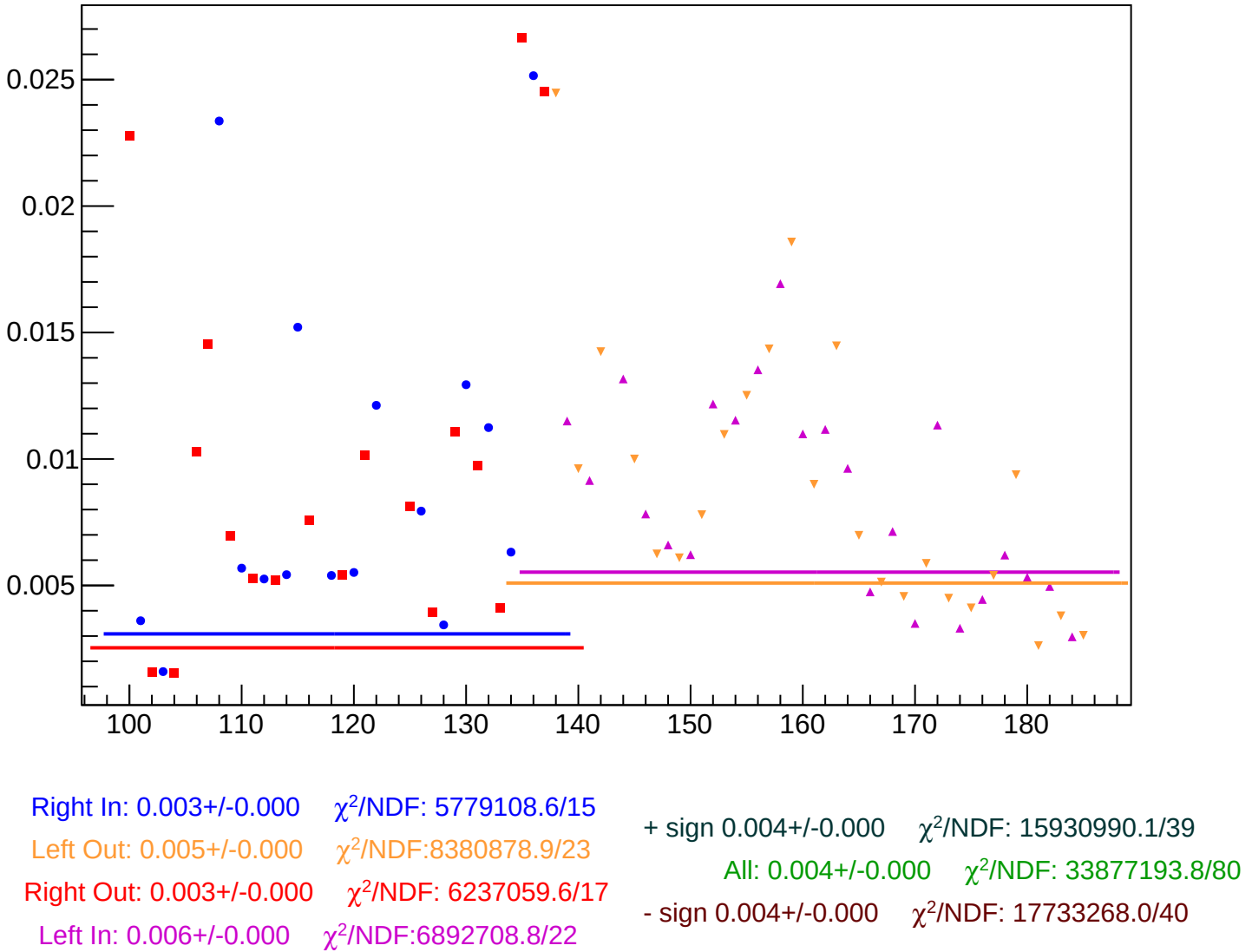
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

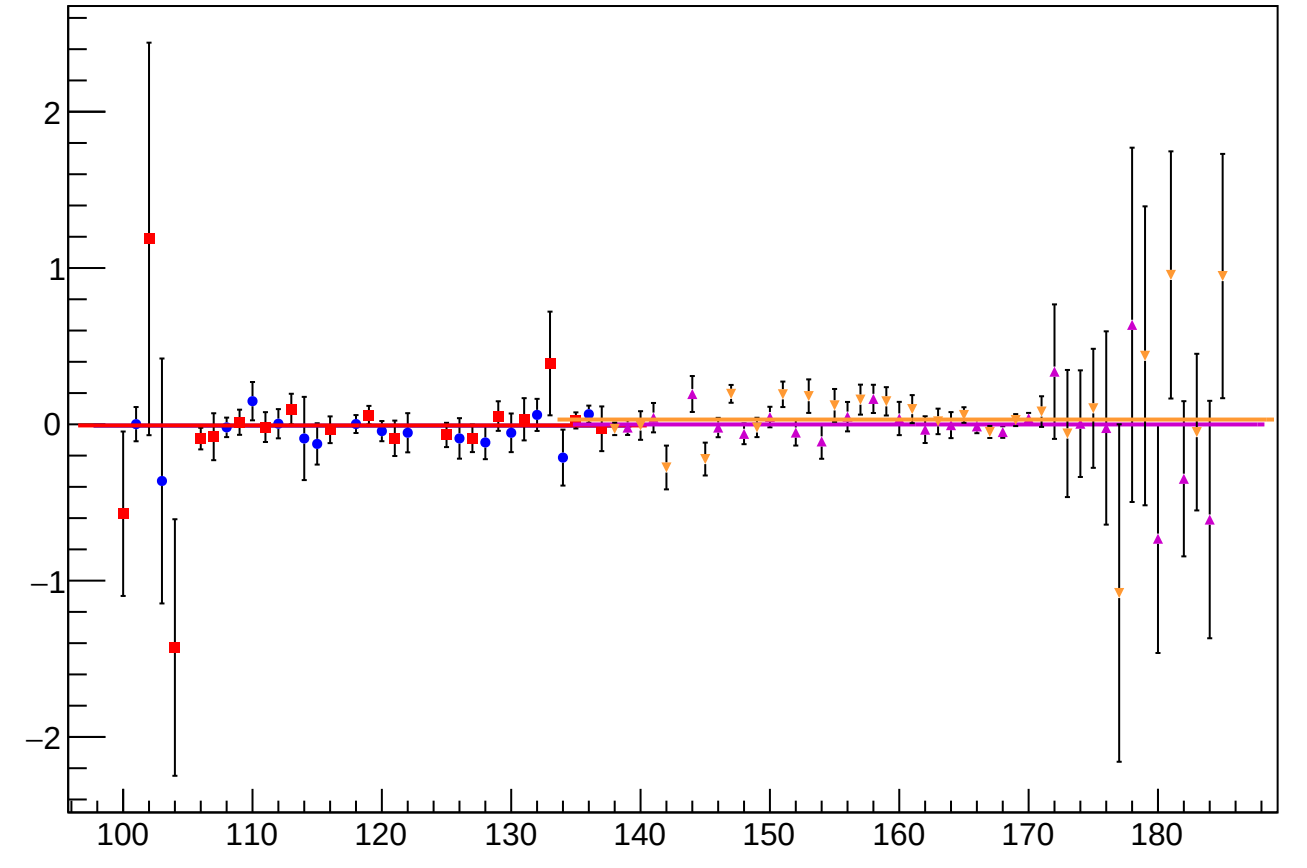
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/39

All: -0.000+/-0.000 χ^2/NDF: 96.2/80

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


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 15930990.1/39
All: 0.004+/-0.000 χ²/NDF: 33877193.8/80
- sign 0.004+/-0.000 χ²/NDF: 17733268.0/40



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

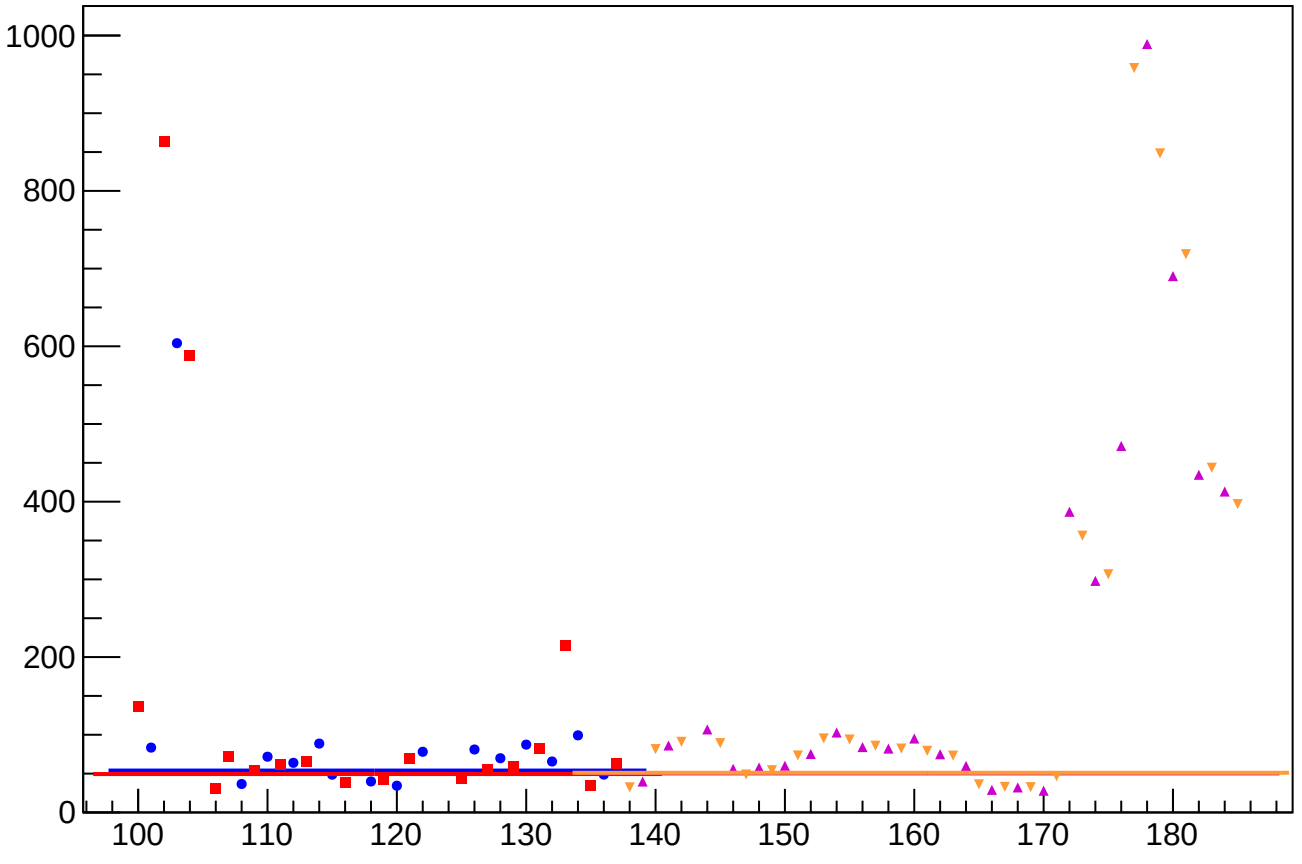
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.8/39

All: 0.008+/-0.009 χ^2/NDF: 83.0/80

- 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: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

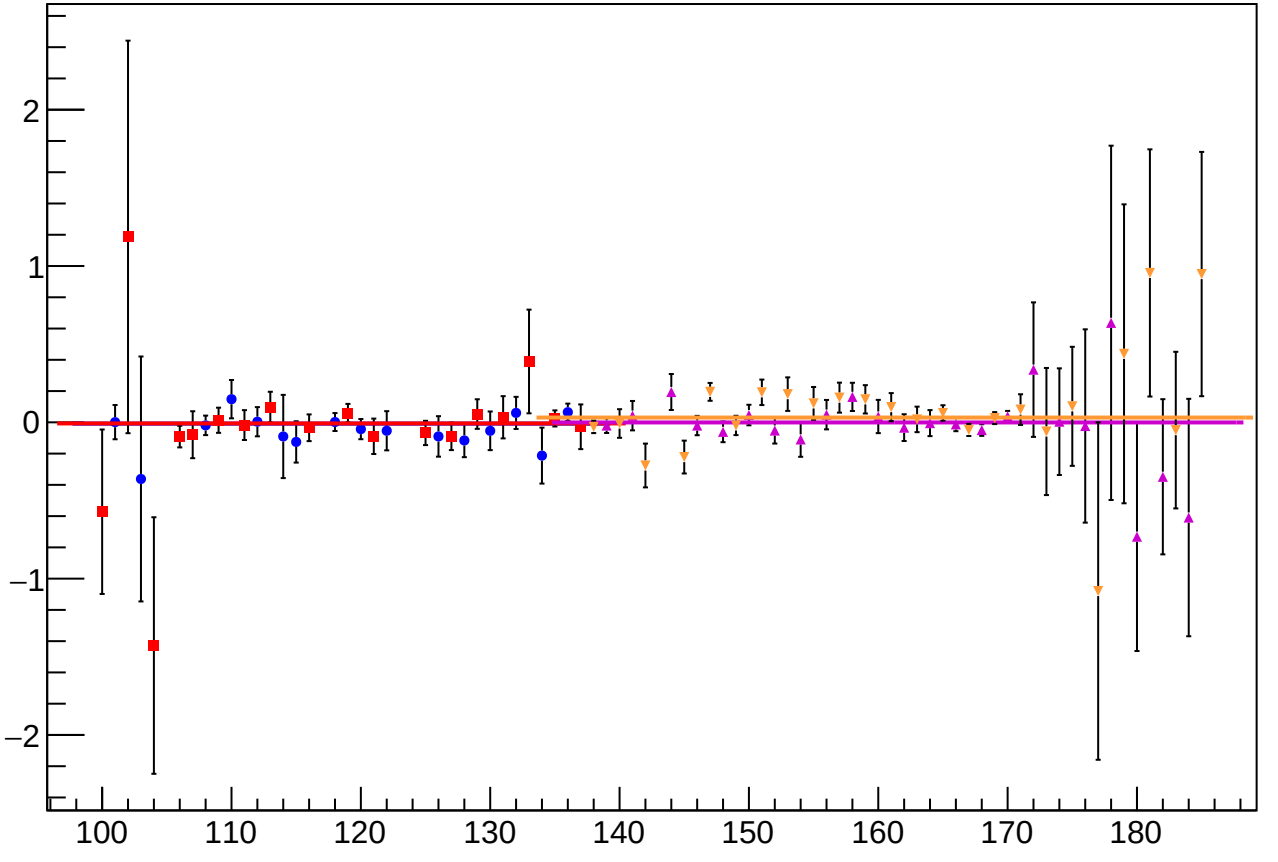
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 51.964+/-0.009 χ^2/NDF: 13970702.1/39

All: 50.953+/-0.006 χ^2/NDF: 29209914.7/80

- sign 49.985+/-0.009 χ^2/NDF: 15214996.1/40

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

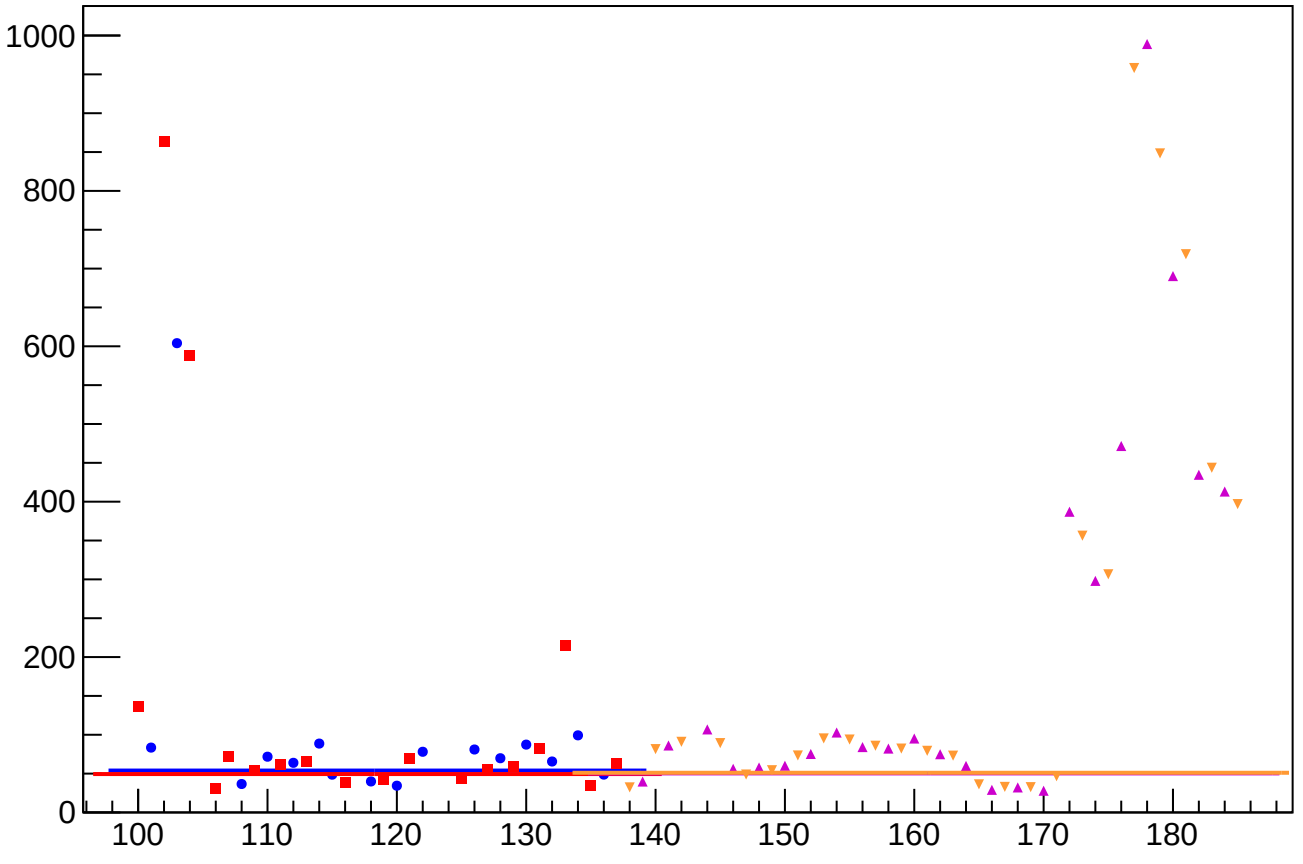
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.8/39

All: 0.008+/-0.009 χ^2/NDF: 83.0/80

- 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: 51.083+/-0.011 χ^2/NDF:11735805.5/23

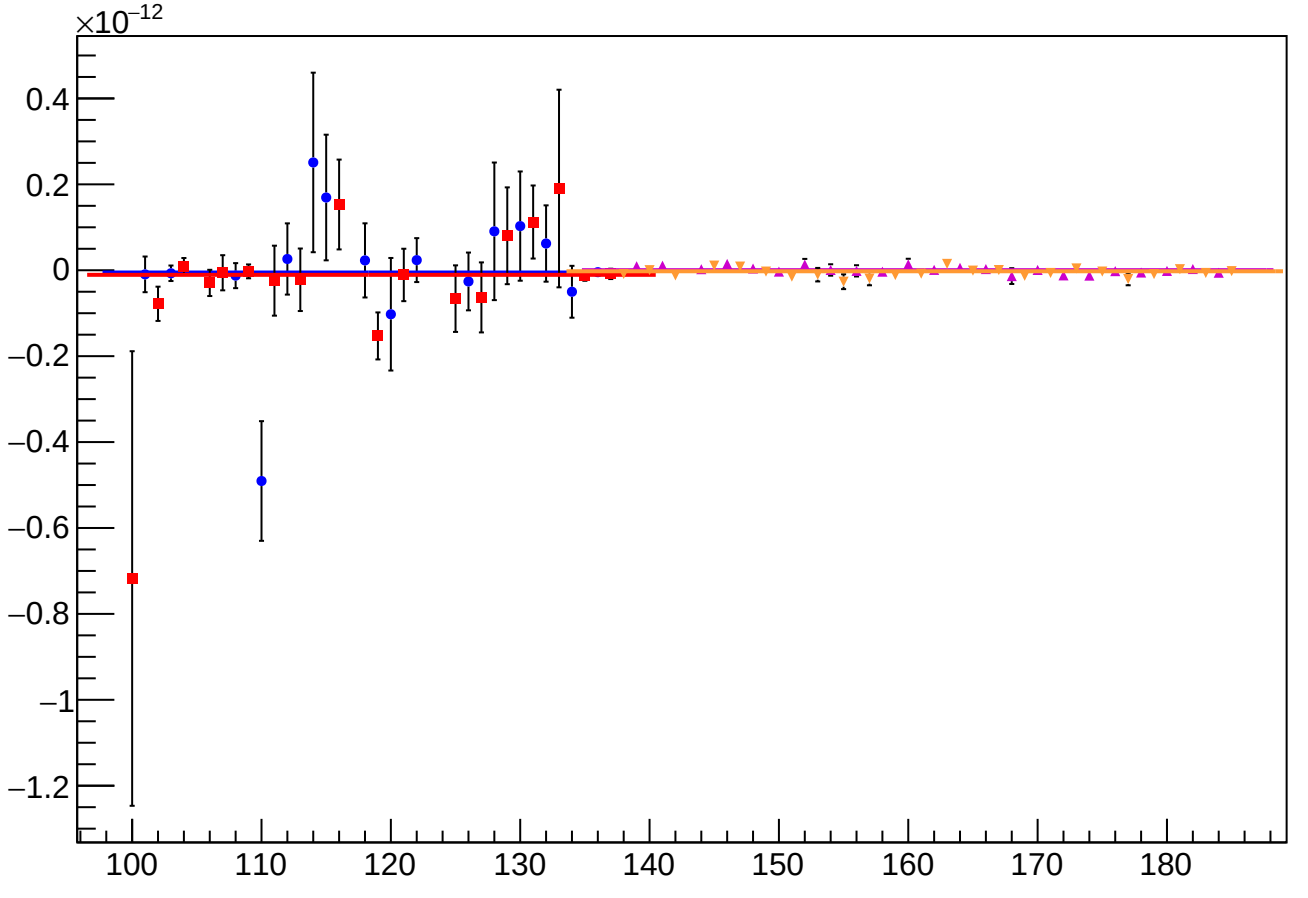
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 51.964+/-0.009 χ^2/NDF: 13970702.1/39

All: 50.953+/-0.006 χ^2/NDF: 29209914.7/80

- 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:22.2/23

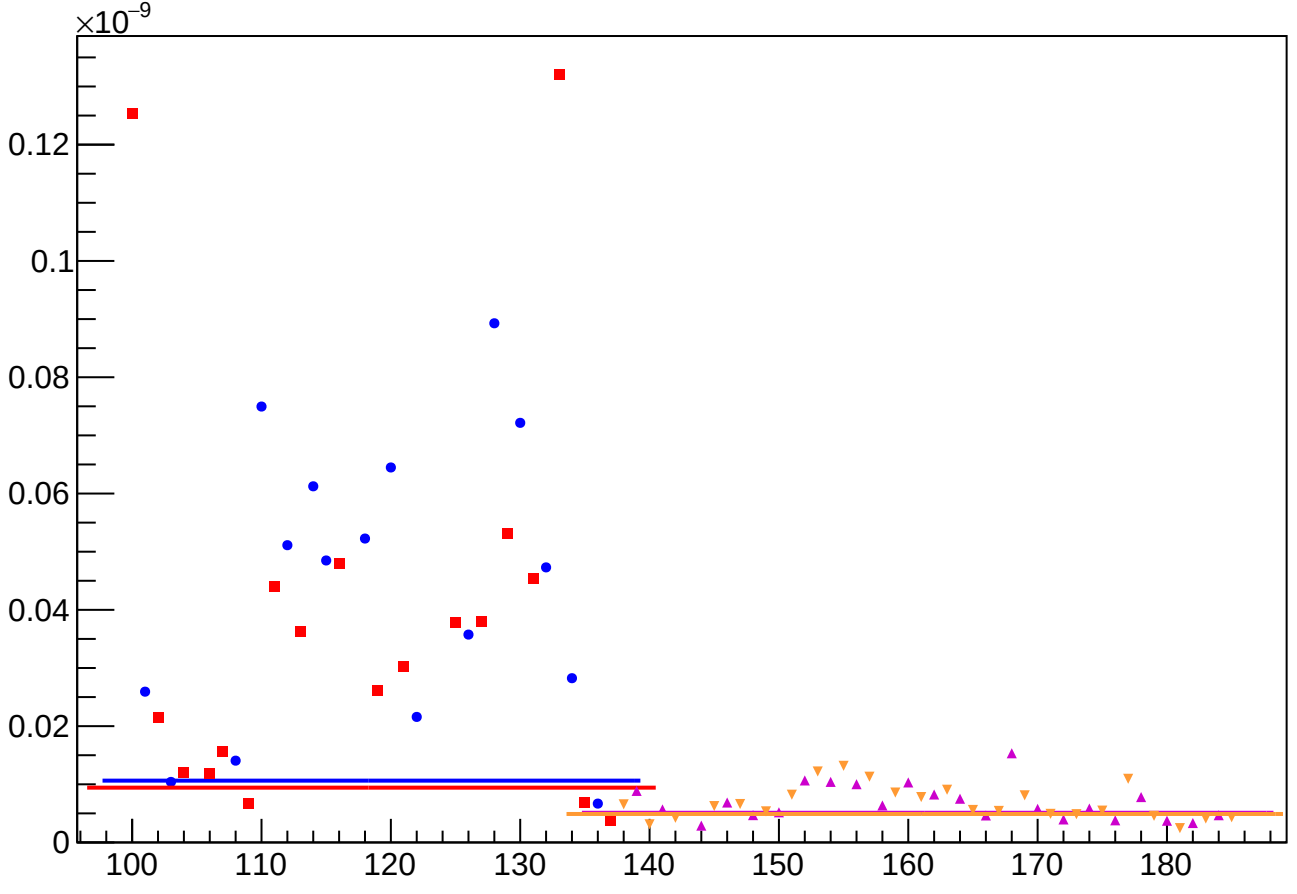
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/39

All: -0.000+/-0.000 χ^2/NDF: 82.9/80

- sign -0.000+/-0.000 χ^2/NDF: 41.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

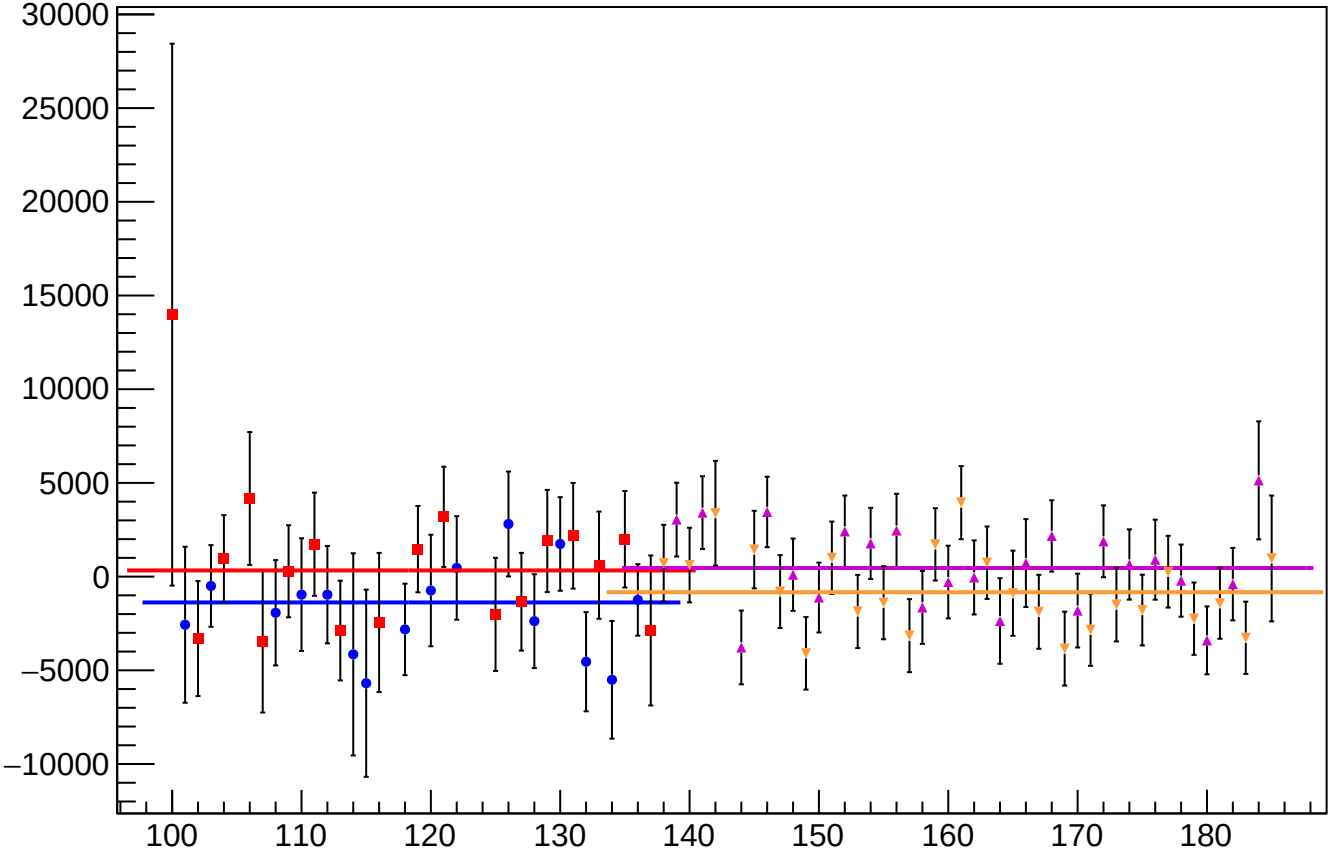
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10209991.8/39

All: 0.000+/-0.000 χ^2/NDF: 18876477.4/80

- sign 0.000+/-0.000 χ^2/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: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

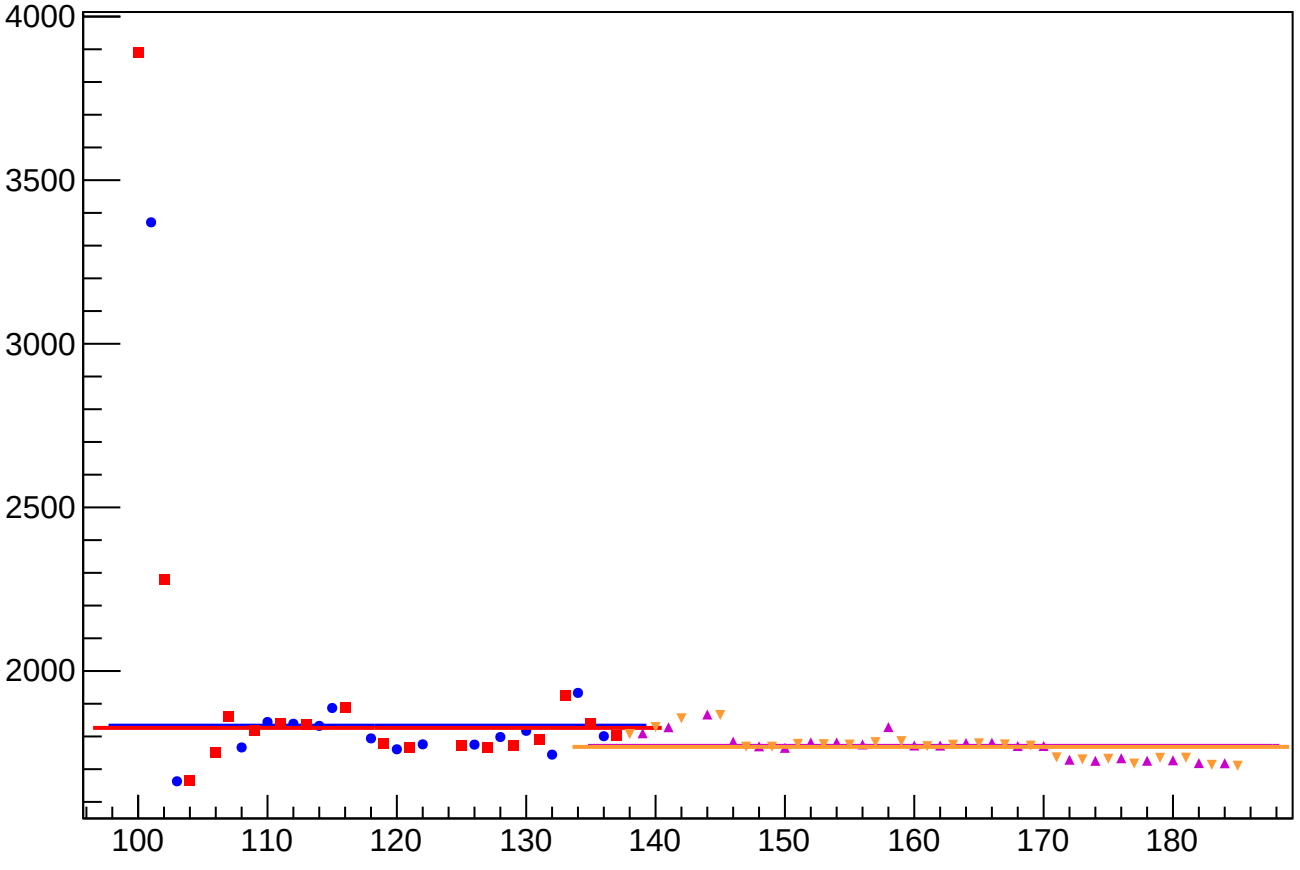
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -975.631+/-352.625 χ^2/NDF: 35.2/39

All: -278.133+/-249.805 χ^2/NDF: 81.4/80

- 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: 1768.125+/-0.290 χ^2/NDF:16358.2/23

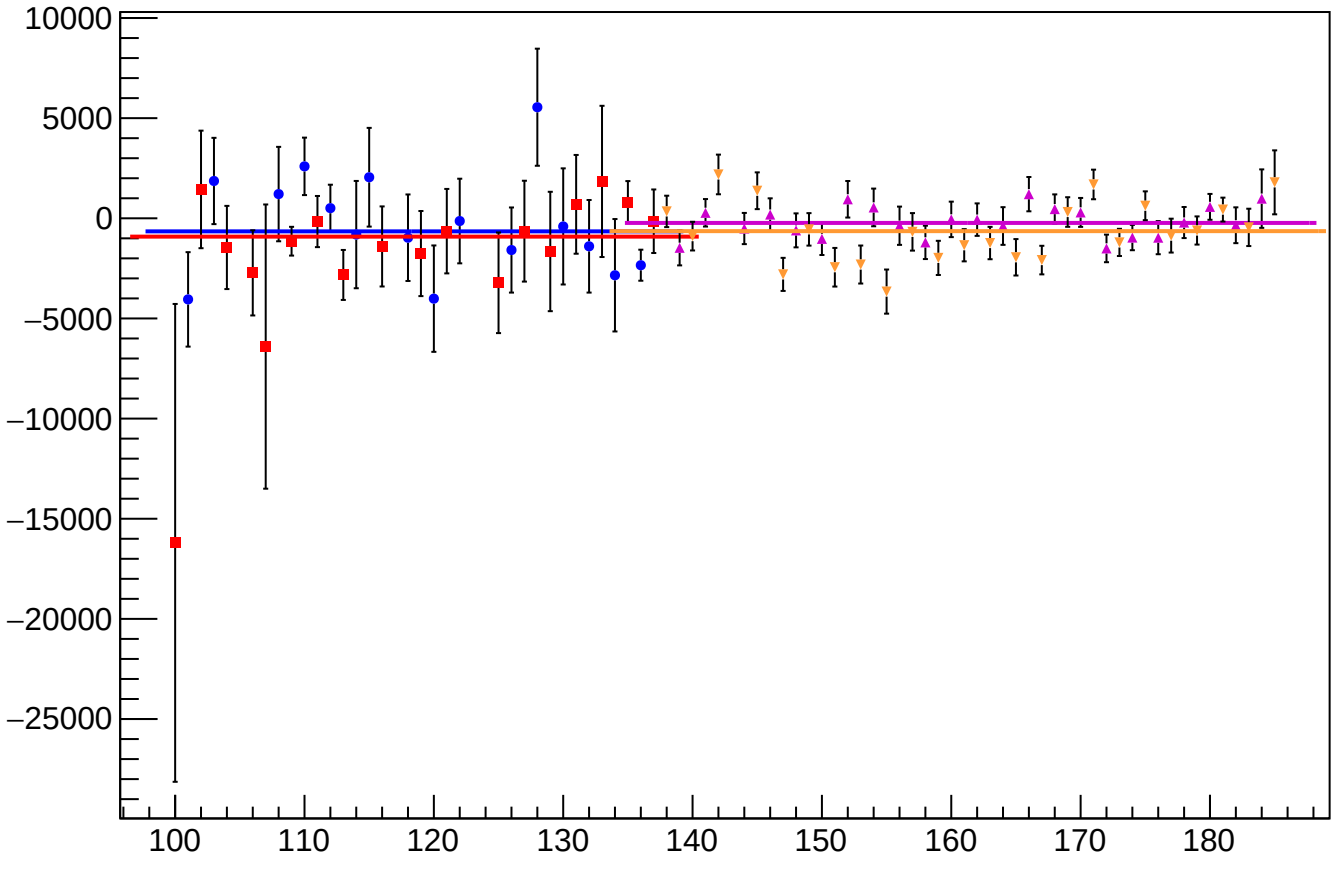
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.103+/-0.249 χ^2/NDF: 324862.4/39

All: 1785.523+/-0.177 χ^2/NDF: 453768.0/80

- 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: -641.029+/-166.449 χ^2/NDF:66.7/23

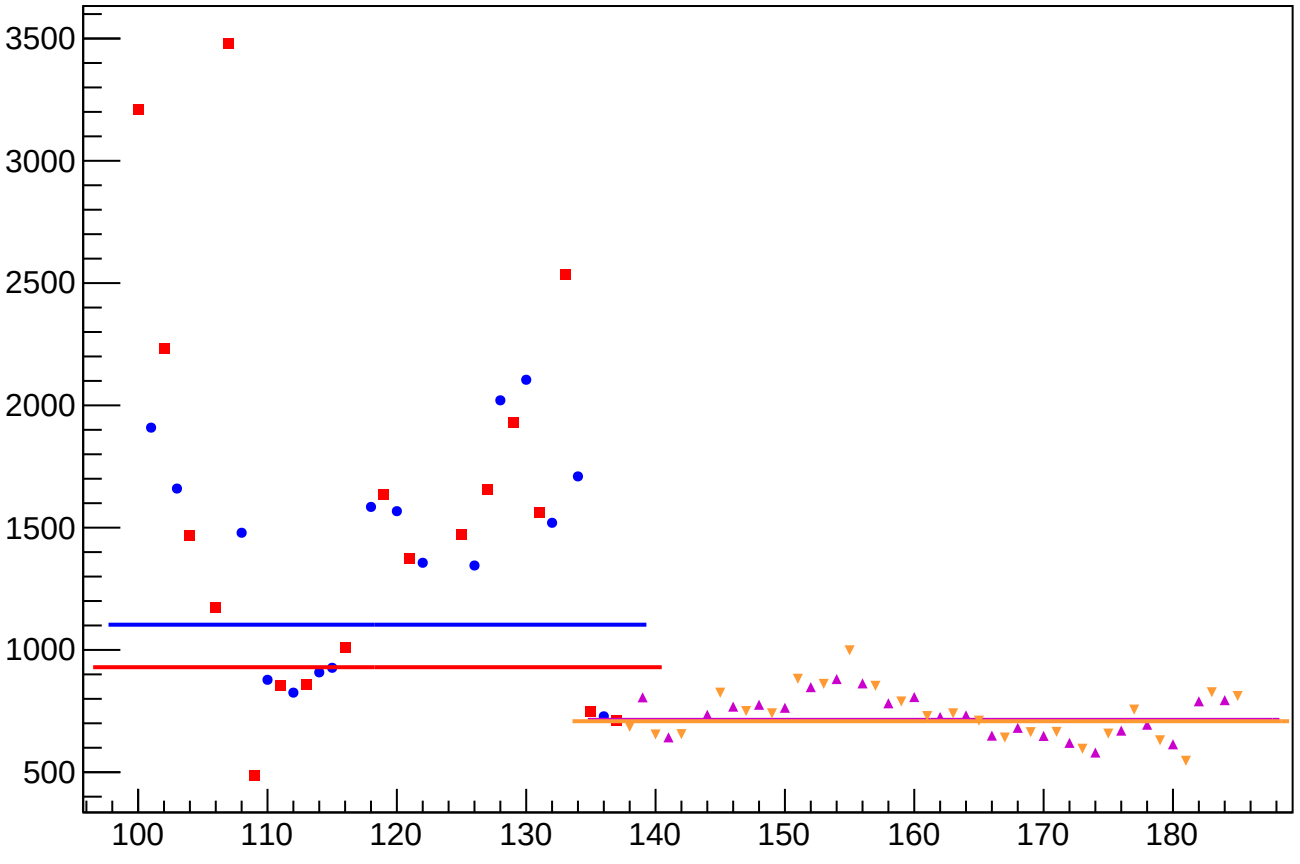
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -642.384+/-155.776 χ^2/NDF: 89.9/39

All: -488.428+/-109.786 χ^2/NDF: 125.9/80

- sign -336.492+/-154.751 χ^2/NDF: 34.0/40



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

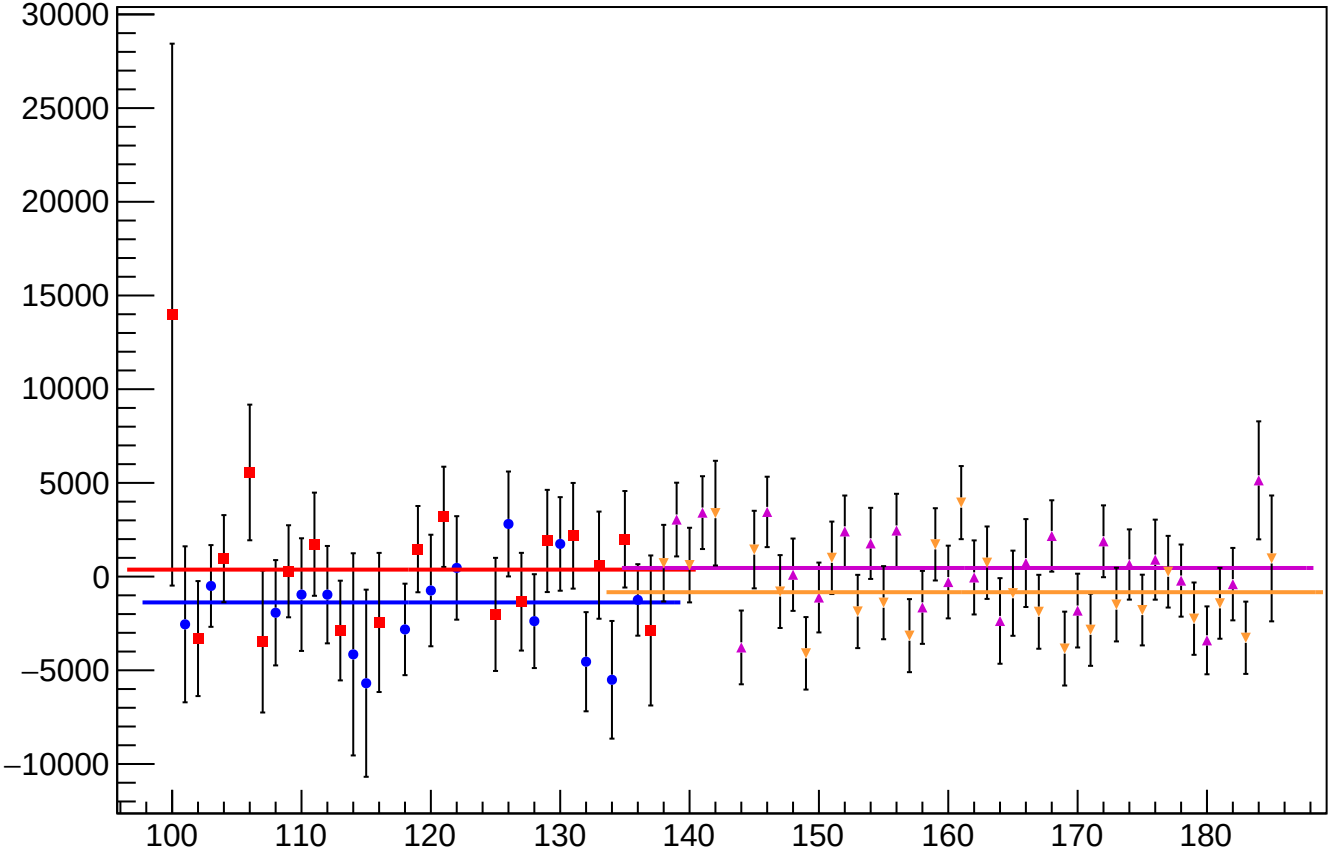
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 757.496+/-0.110 χ^2/NDF: 3974535.7/39

All: 752.443+/-0.078 χ^2/NDF: 8035851.9/80

- 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: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

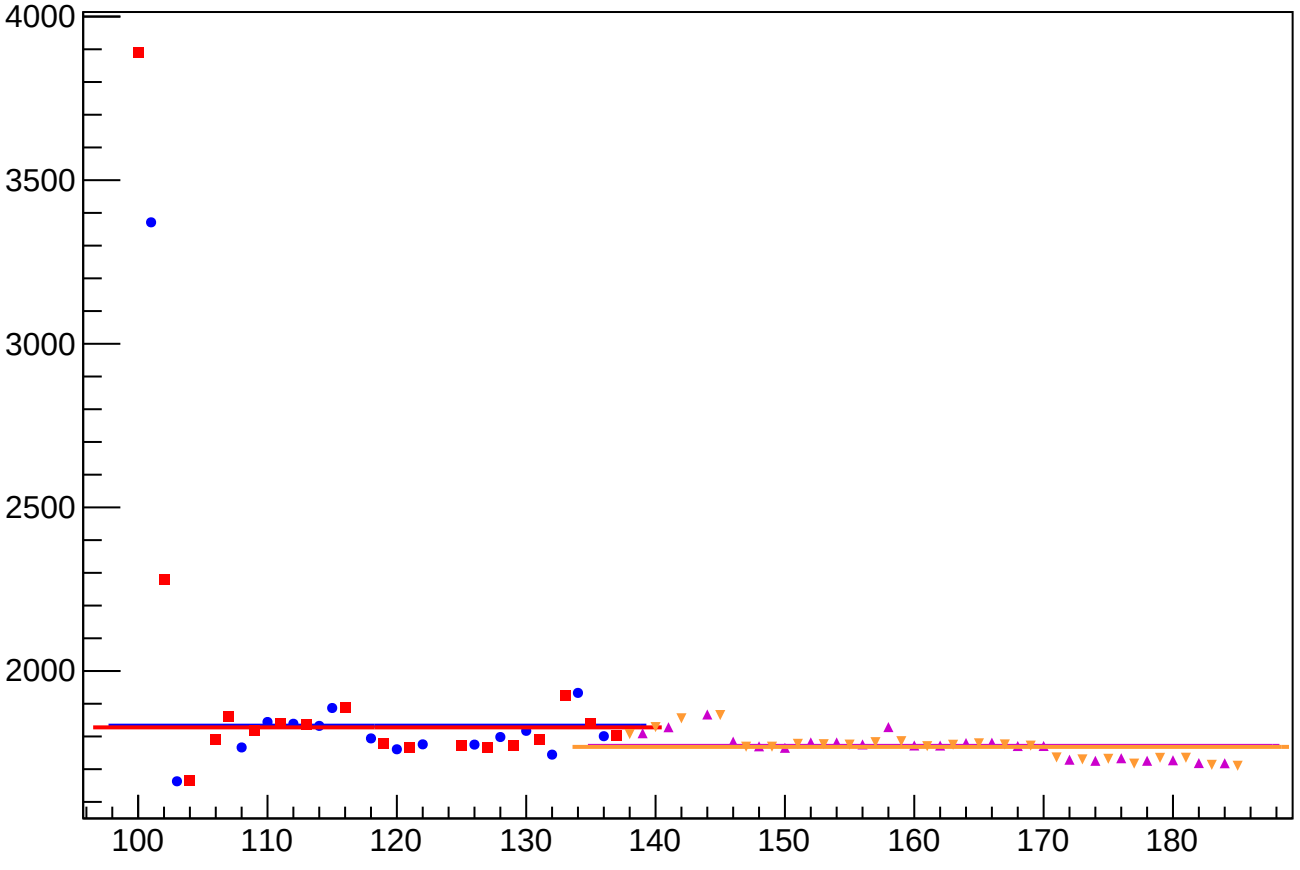
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -975.388+/-352.625 χ^2/NDF: 35.2/39

All: -272.318+/-249.831 χ^2/NDF: 82.4/80

- 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: 1768.125+/-0.290 χ^2/NDF:16358.2/23

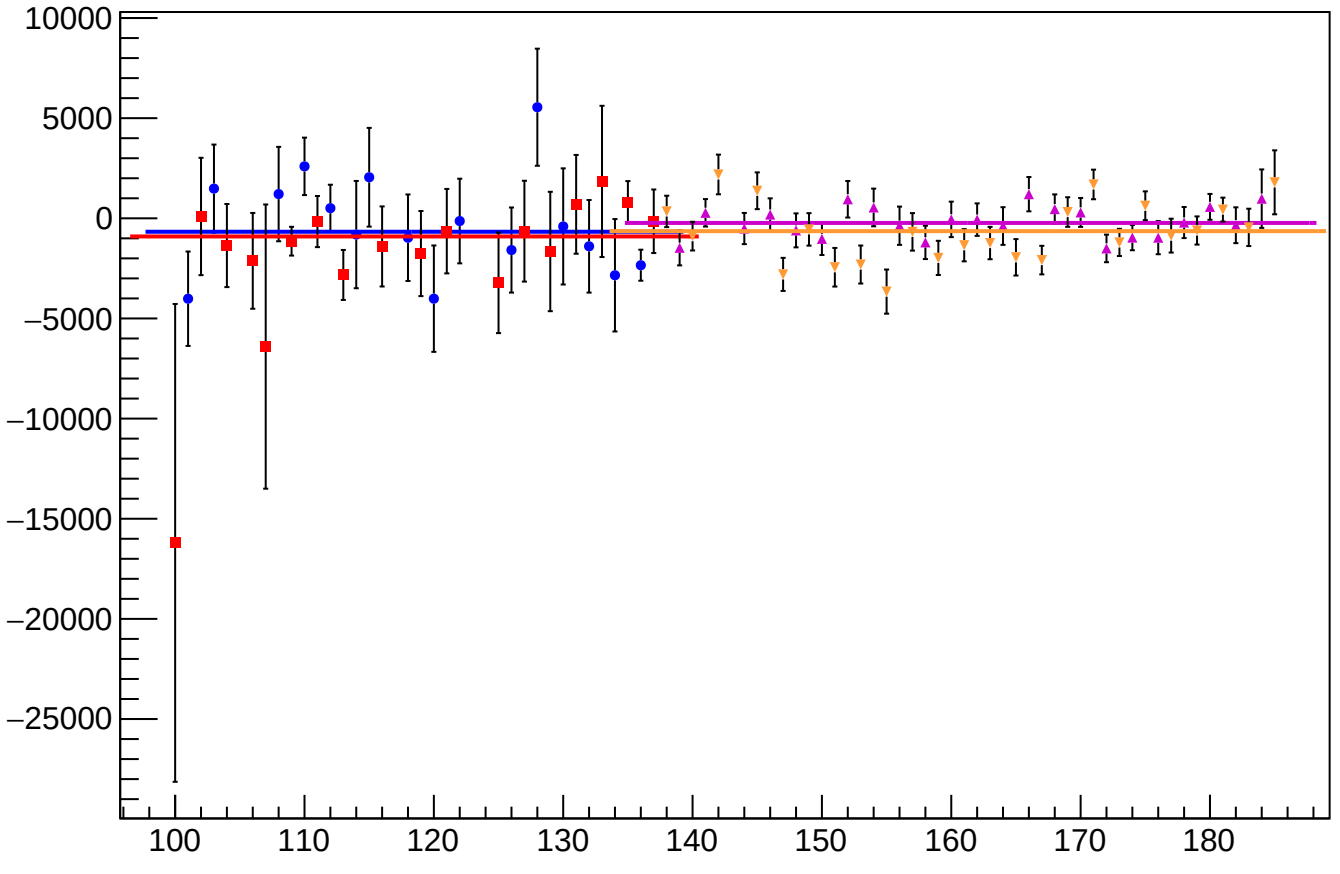
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.103+/-0.249 χ^2/NDF: 324864.2/39

All: 1785.725+/-0.177 χ^2/NDF: 453580.0/80

- 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: -641.004+/-166.450 χ^2/NDF:66.7/23

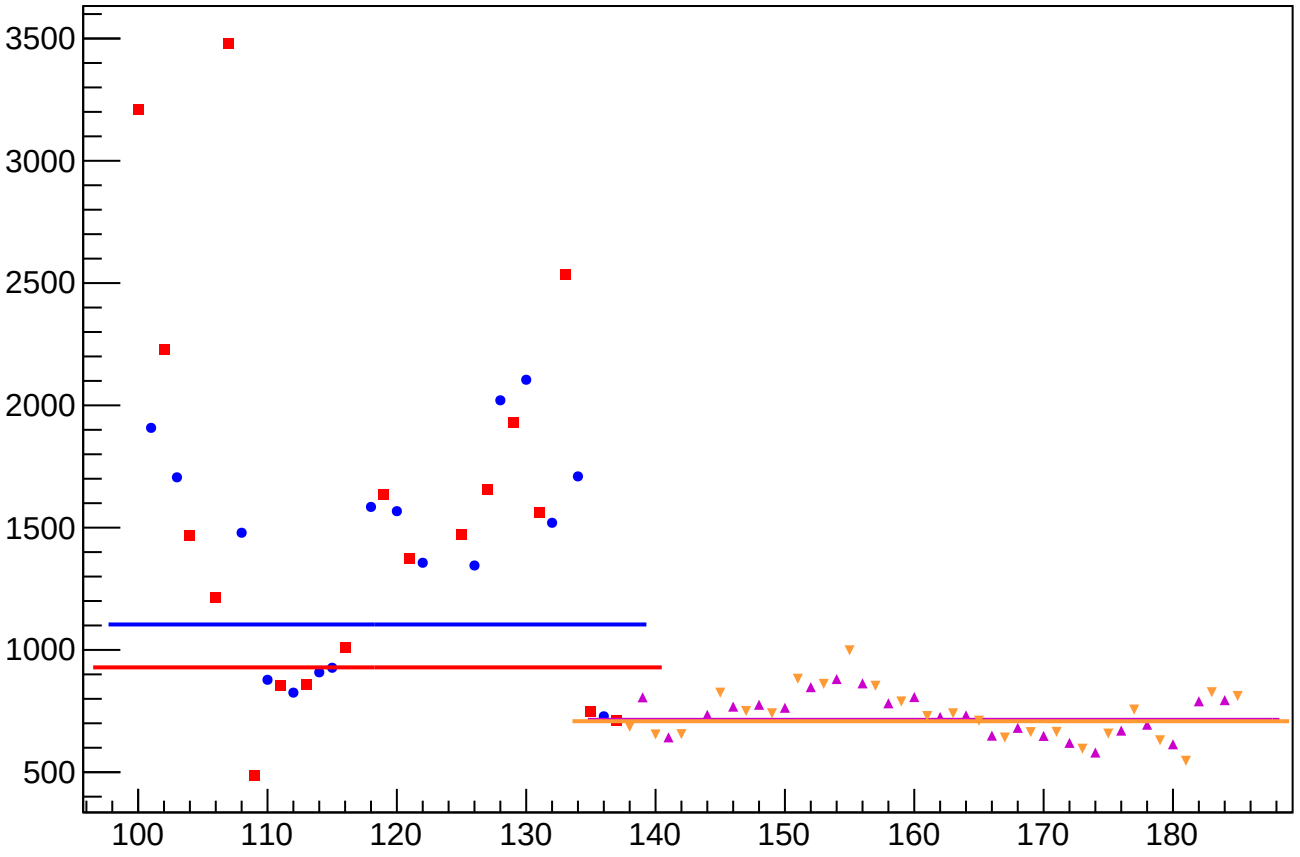
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -644.665+/-155.793 χ^2/NDF: 89.4/39

All: -488.594+/-109.823 χ^2/NDF: 124.4/80

- 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: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

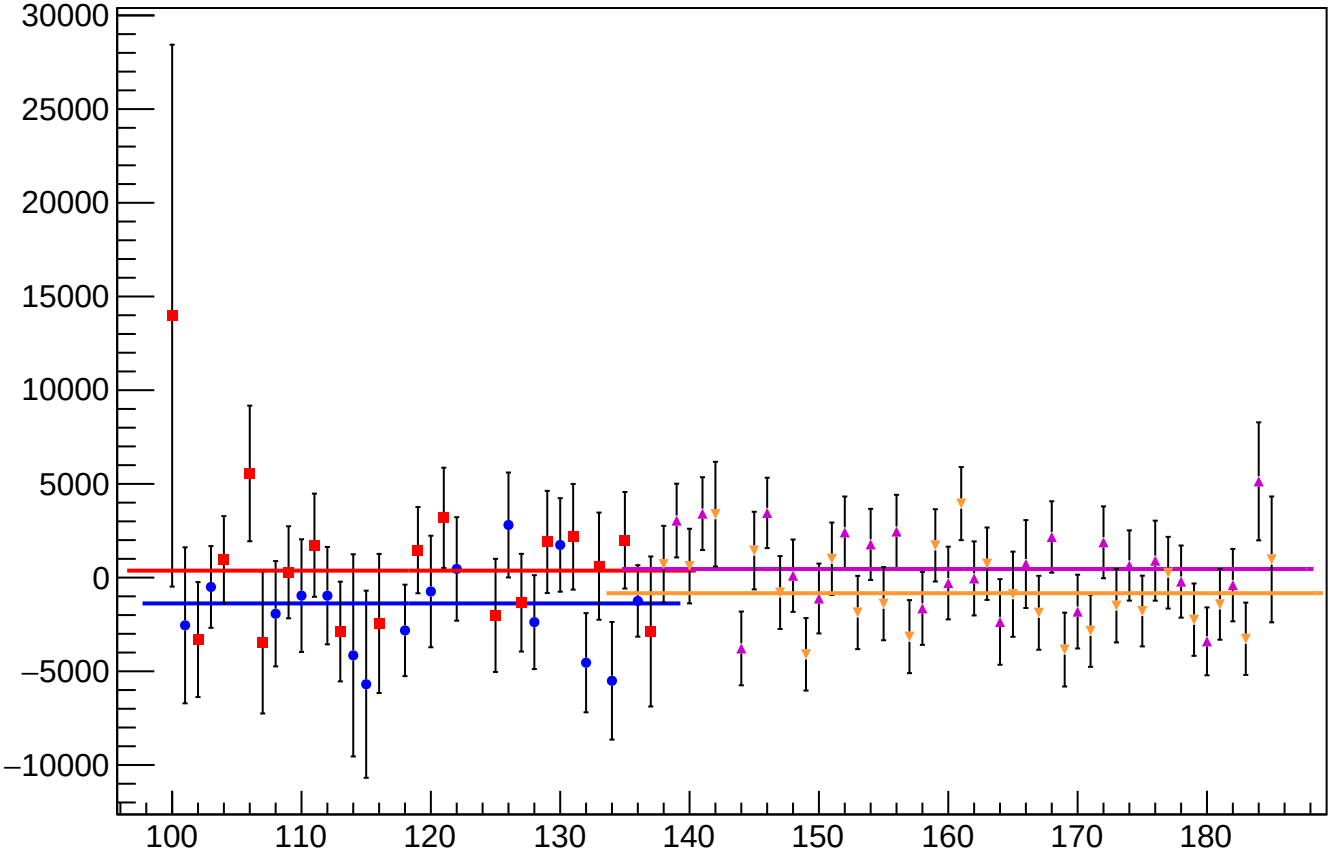
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

\+ sign 757.544+/-0.110 χ^2/NDF: 3995228.3/39

All: 752.316+/-0.078 χ^2/NDF: 8050697.3/80

\- 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: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

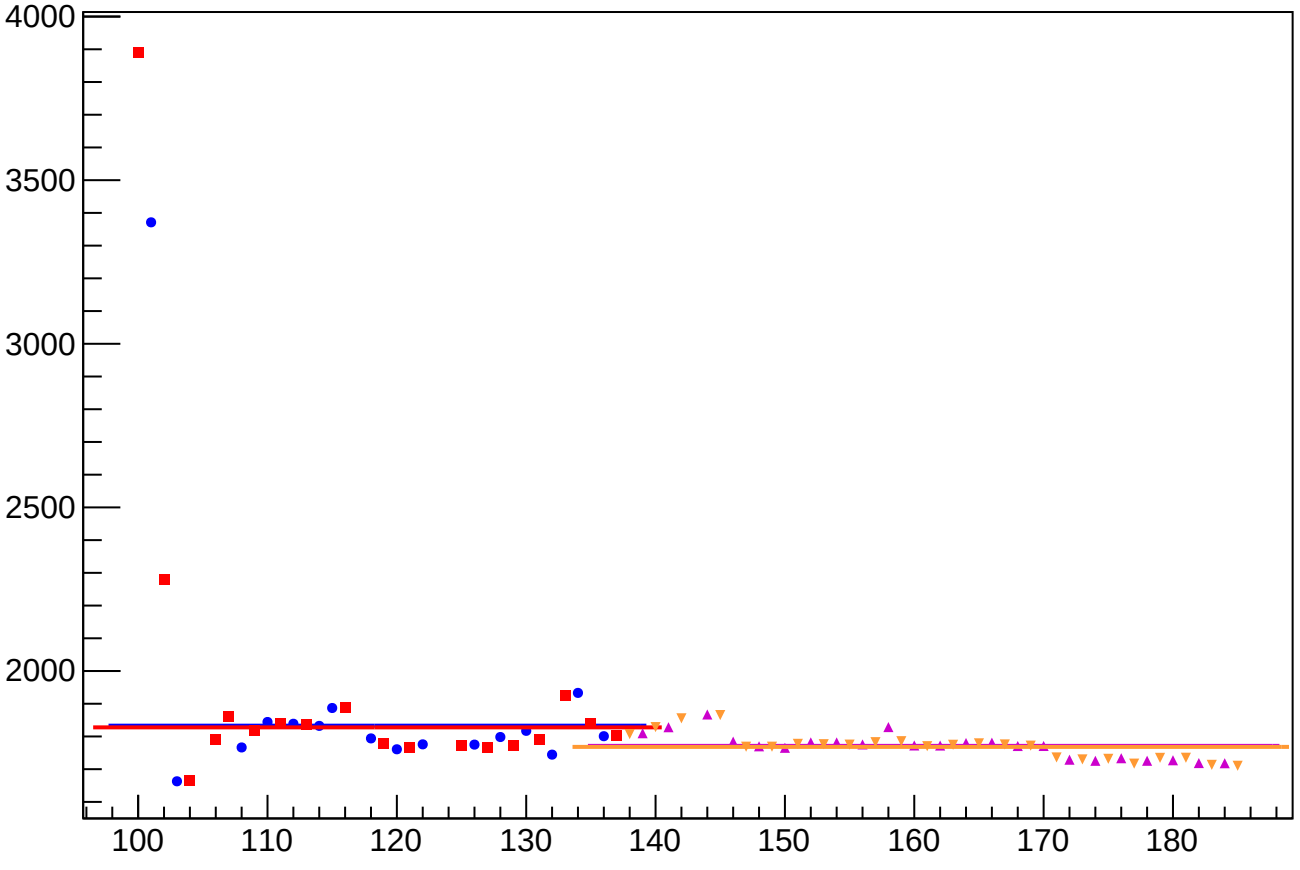
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -975.388+/-352.625 χ^2/NDF: 35.2/39

All: -272.318+/-249.831 χ^2/NDF: 82.4/80

- 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: 1768.125+/-0.290 χ^2/NDF:16358.2/23

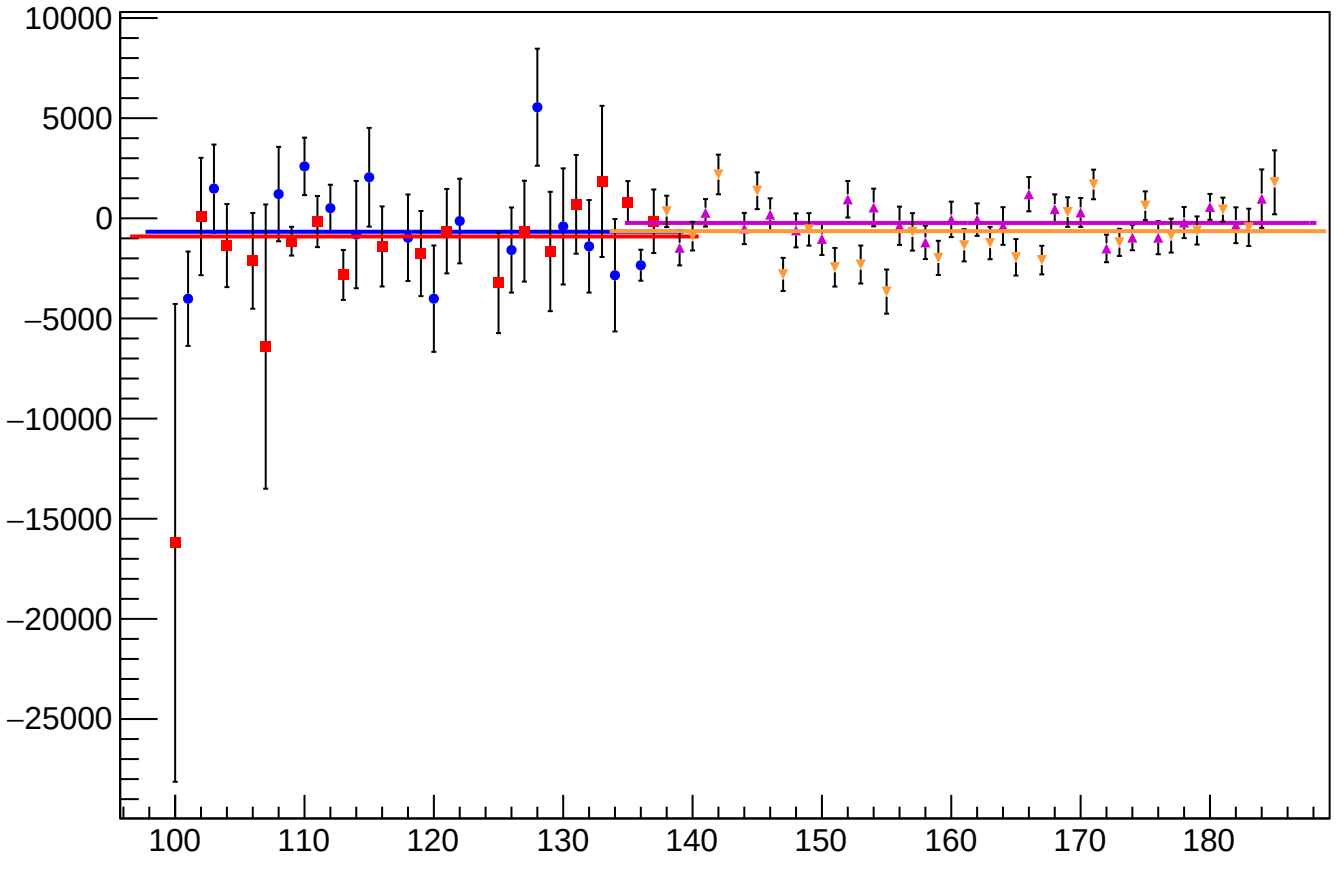
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.103+/-0.249 χ^2/NDF: 324864.2/39

All: 1785.725+/-0.177 χ^2/NDF: 453580.0/80

- 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: -641.004+/-166.450 χ^2/NDF:66.7/23

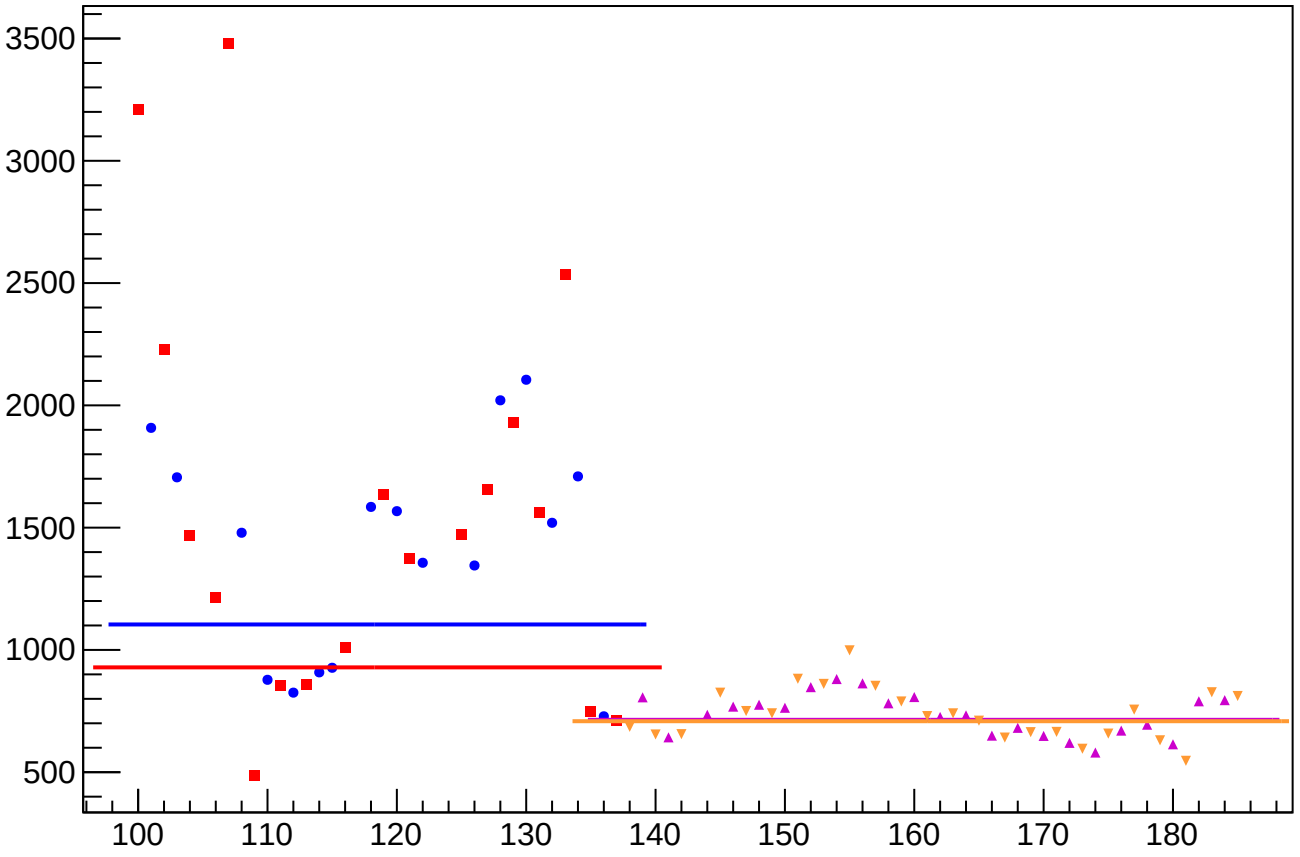
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -644.665+/-155.793 χ^2/NDF: 89.4/39

All: -488.594+/-109.823 χ^2/NDF: 124.4/80

- 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: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

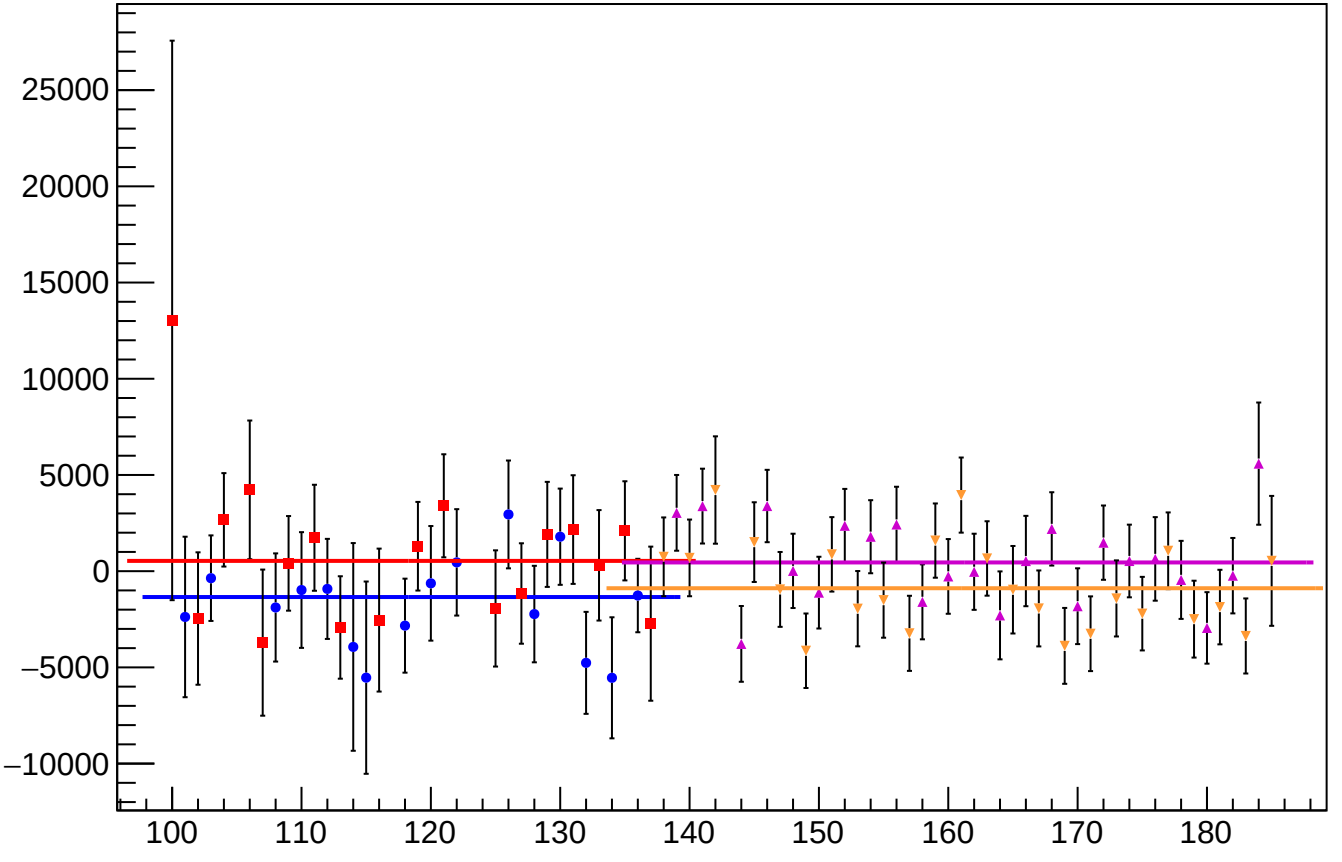
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

\+ sign 757.544+/-0.110 χ^2/NDF: 3995228.3/39

All: 752.316+/-0.078 χ^2/NDF: 8050697.3/80

\- sign 747.152+/-0.109 χ^2/NDF: 4050992.7/40

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

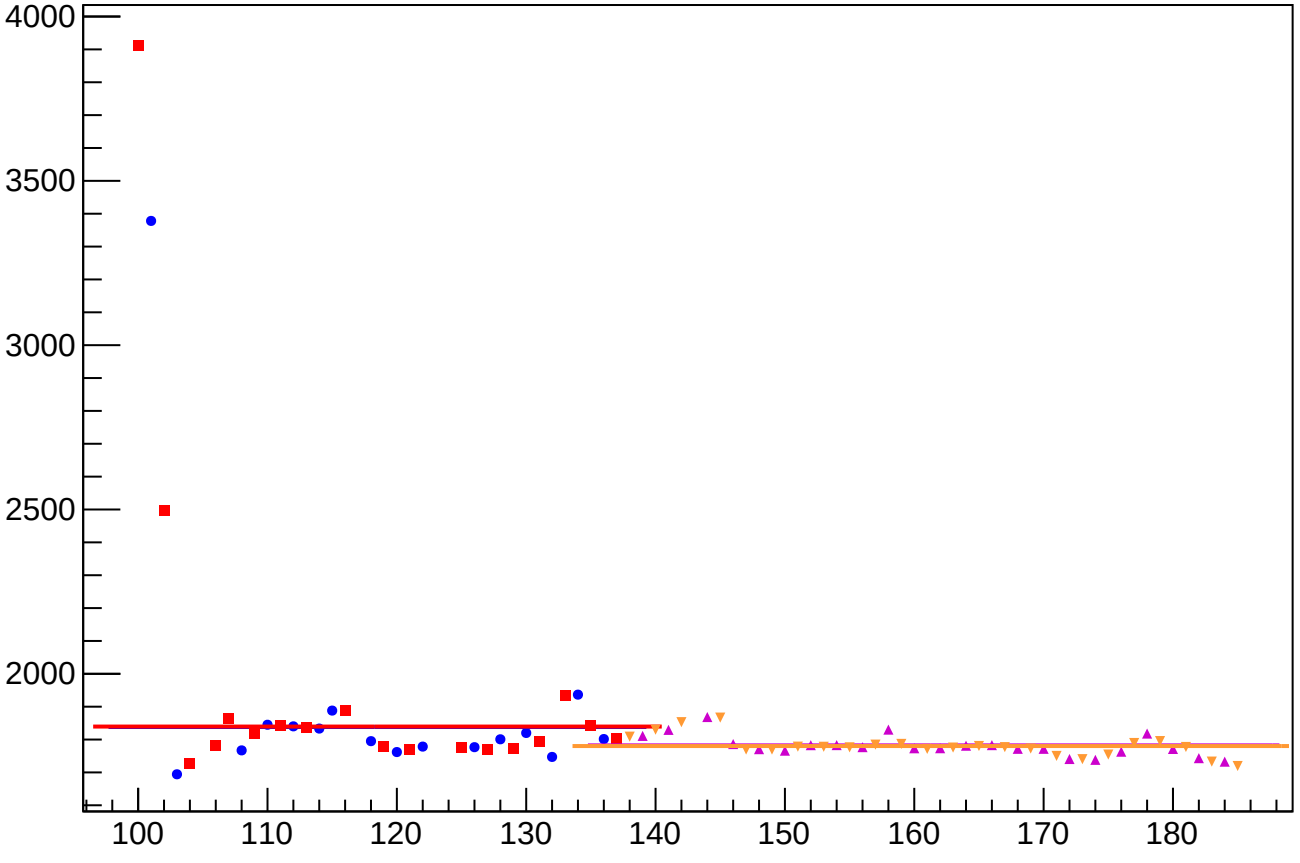
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -1006.908+/-354.642 χ^2/NDF: 38.1/39

All: -269.972+/-251.431 χ^2/NDF: 83.7/80

- 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: 1780.220+/-0.292 χ^2/NDF:10380.2/23

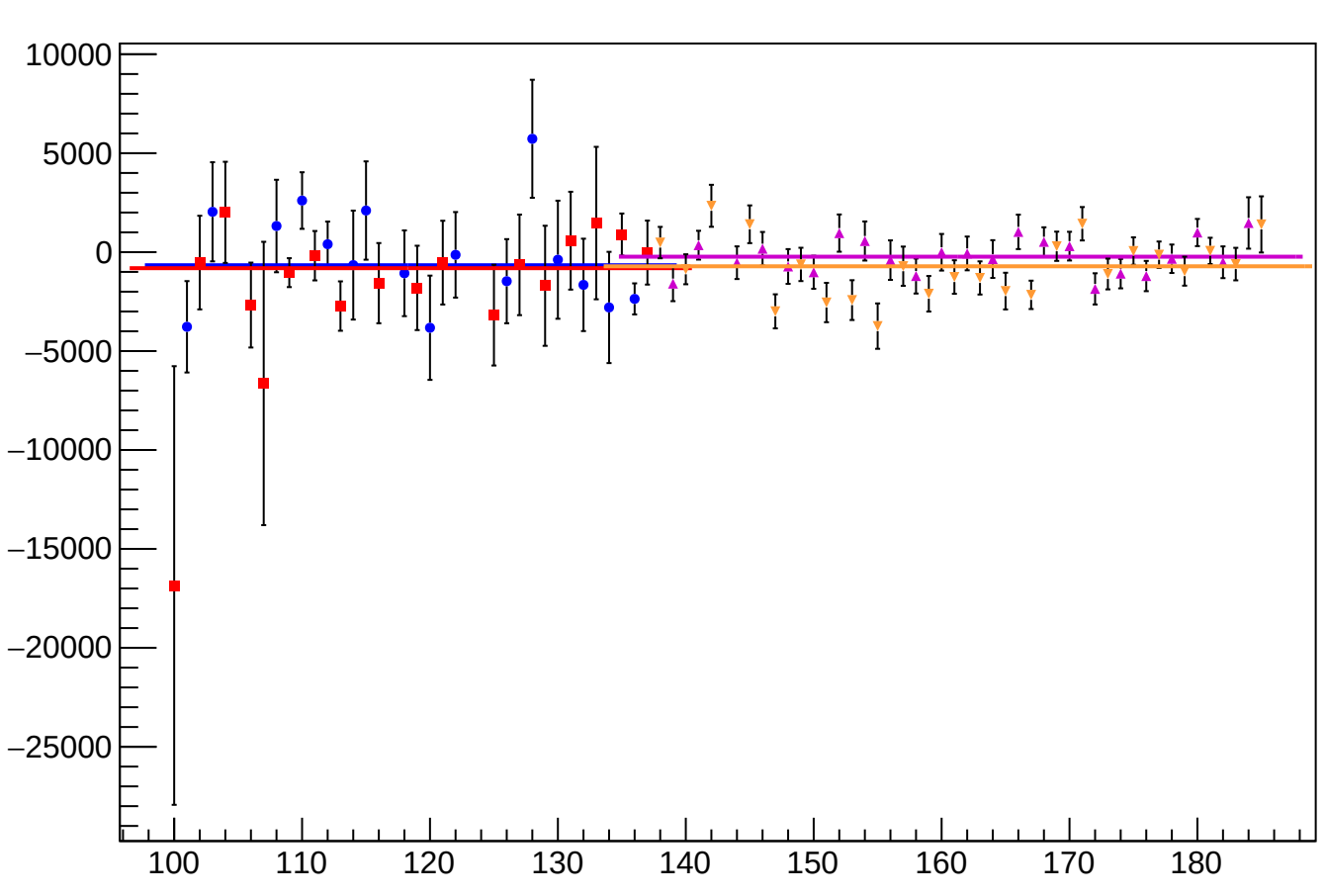
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.484+/-0.251 χ^2/NDF: 312722.5/39

All: 1796.503+/-0.178 χ^2/NDF: 462305.1/80

- 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: -716.600+/-170.602 χ^2/NDF:59.4/23

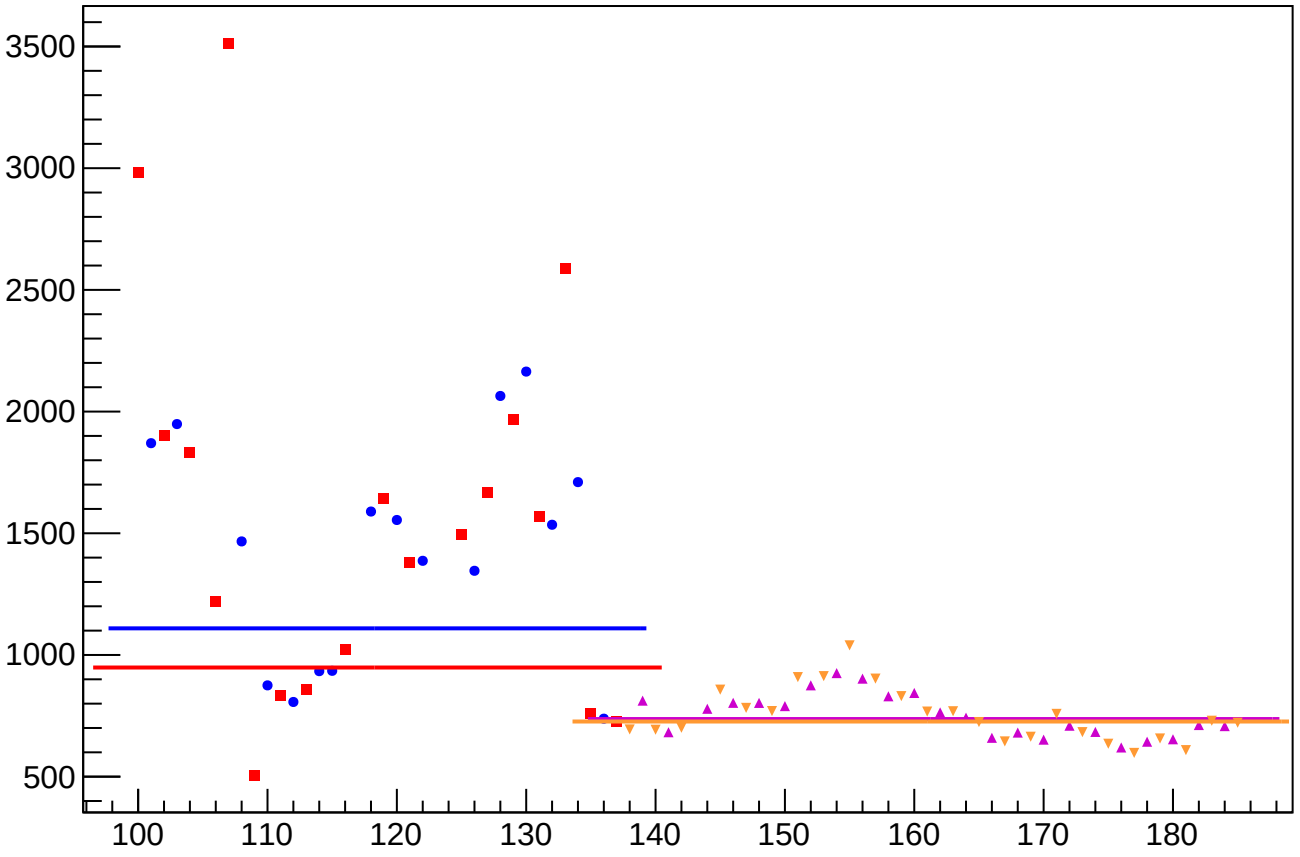
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

\+ sign -709.818+/-159.338 χ^2/NDF: 82.1/39

All: -516.600+/-112.529 χ^2/NDF: 123.2/80

\- sign -324.339+/-158.943 χ^2/NDF: 38.1/40



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

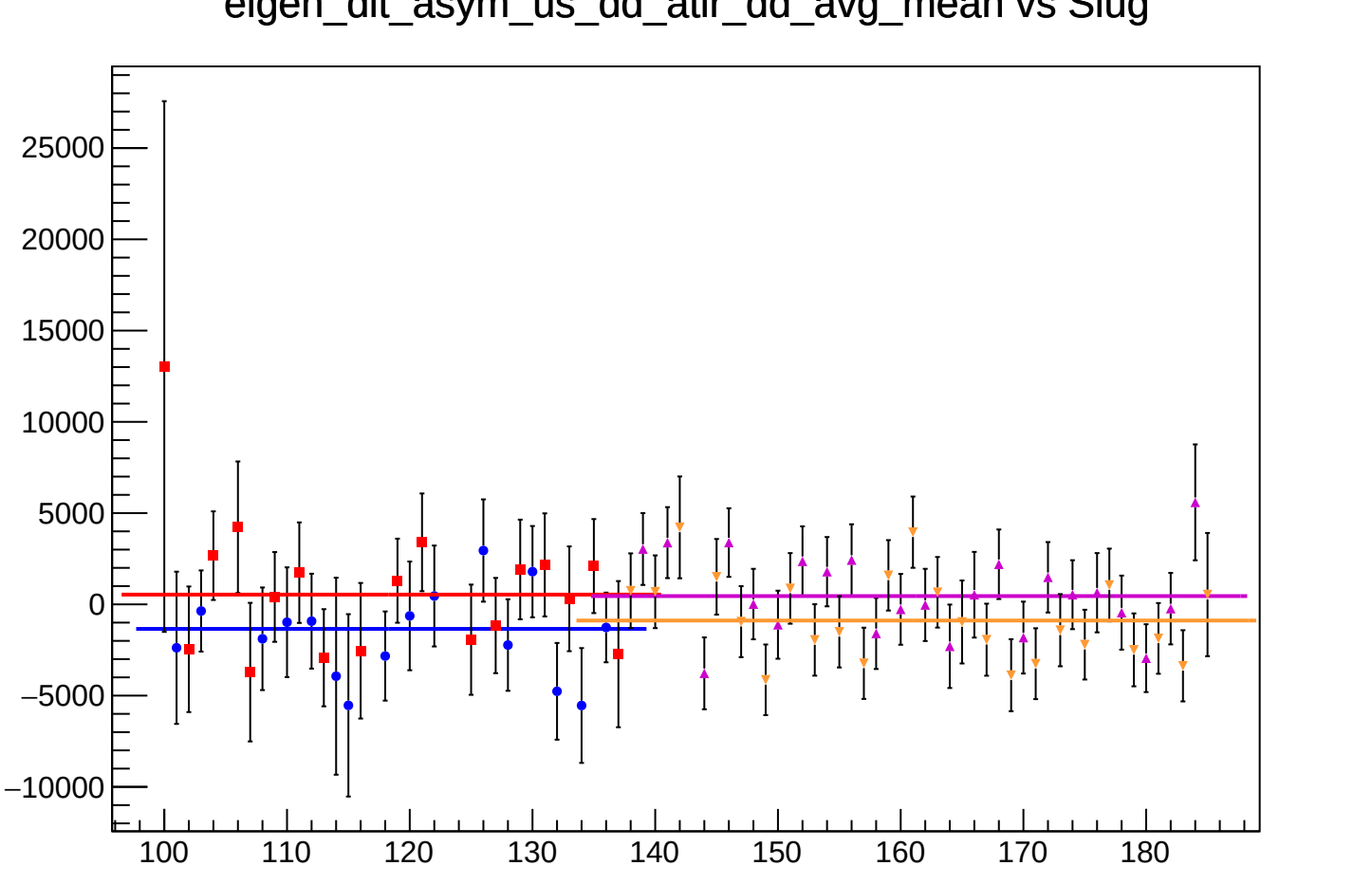
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 775.479+/-0.113 χ^2/NDF: 3943629.8/39

All: 773.041+/-0.080 χ^2/NDF: 7940594.0/80

- sign 770.615+/-0.112 χ^2/NDF: 3996030.1/40



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

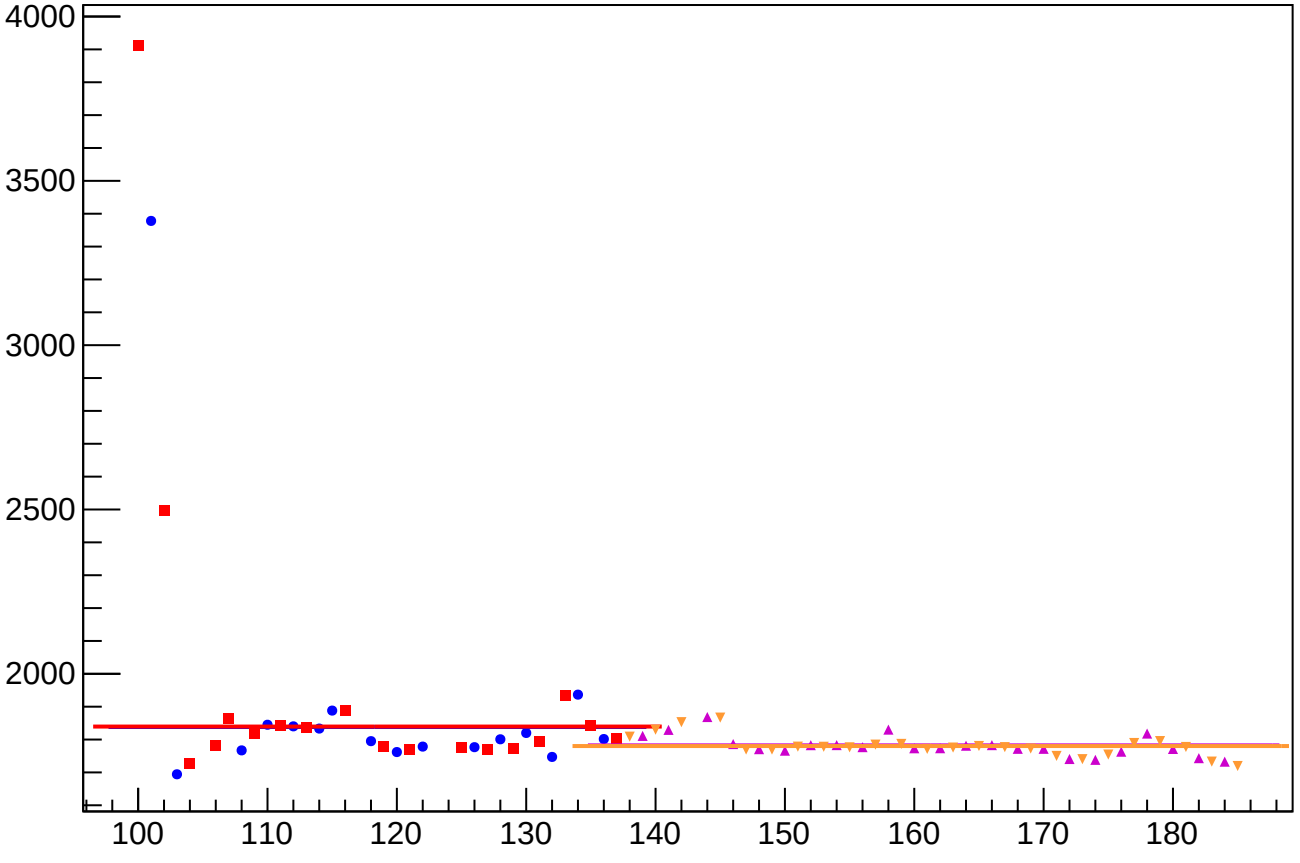
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -1006.908+/-354.642 χ^2/NDF: 38.1/39

All: -269.972+/-251.431 χ^2/NDF: 83.7/80

- 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: 1780.220+/-0.292 χ^2/NDF:10380.2/23

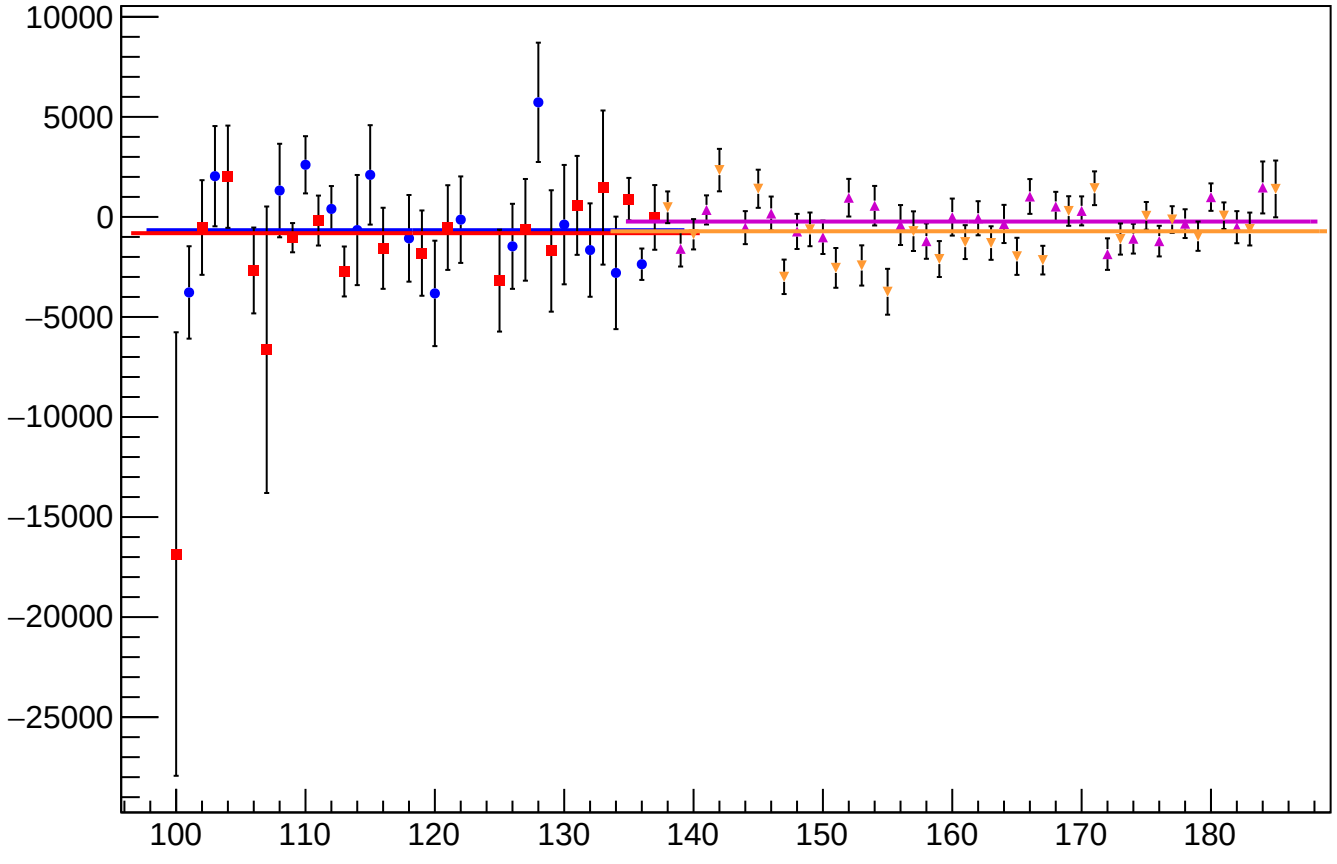
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.484+/-0.251 χ^2/NDF: 312722.6/39

All: 1796.502+/-0.178 χ^2/NDF: 462305.2/80

- 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: -716.601+/-170.602 χ^2/NDF:59.4/23

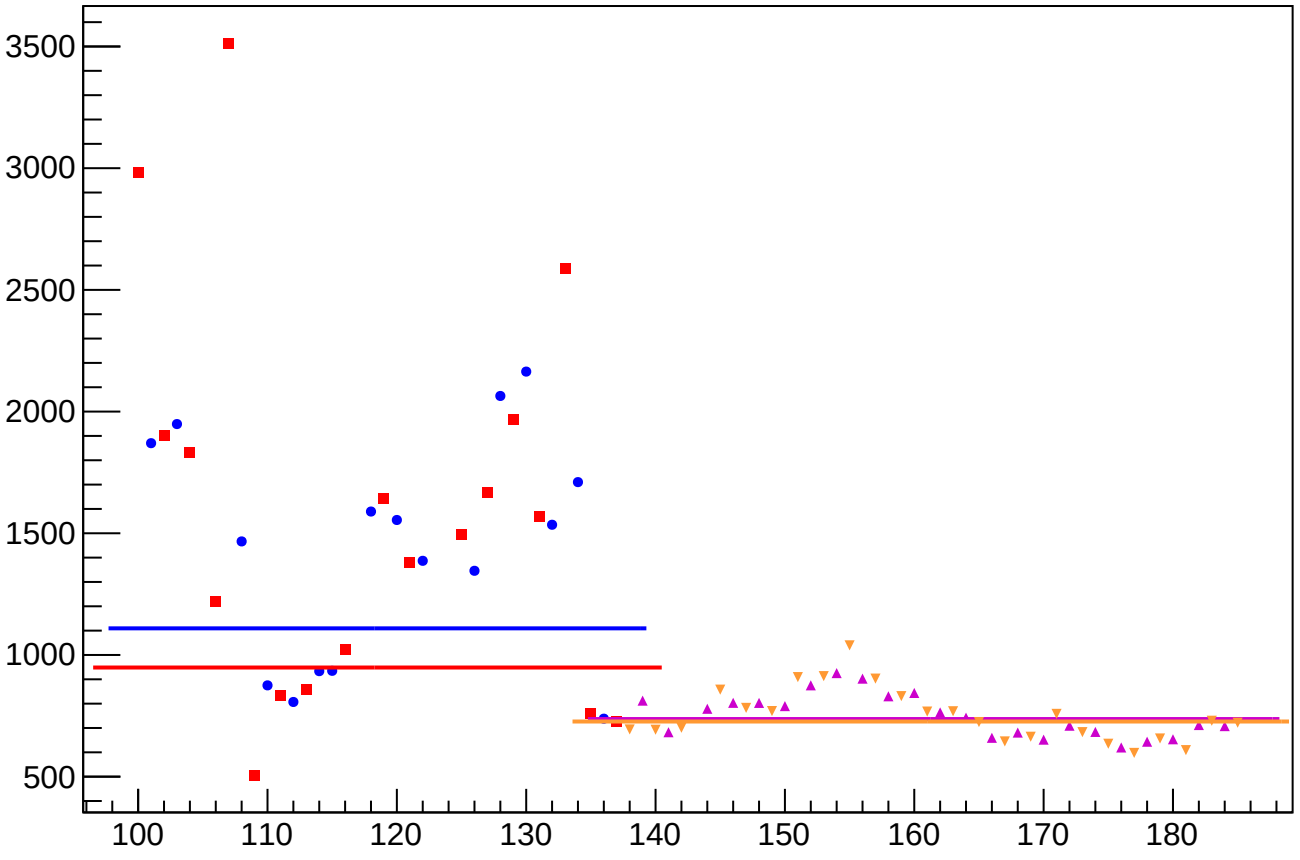
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -709.817+/-159.338 χ^2/NDF: 82.1/39

All: -516.599+/-112.529 χ^2/NDF: 123.2/80

- 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: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

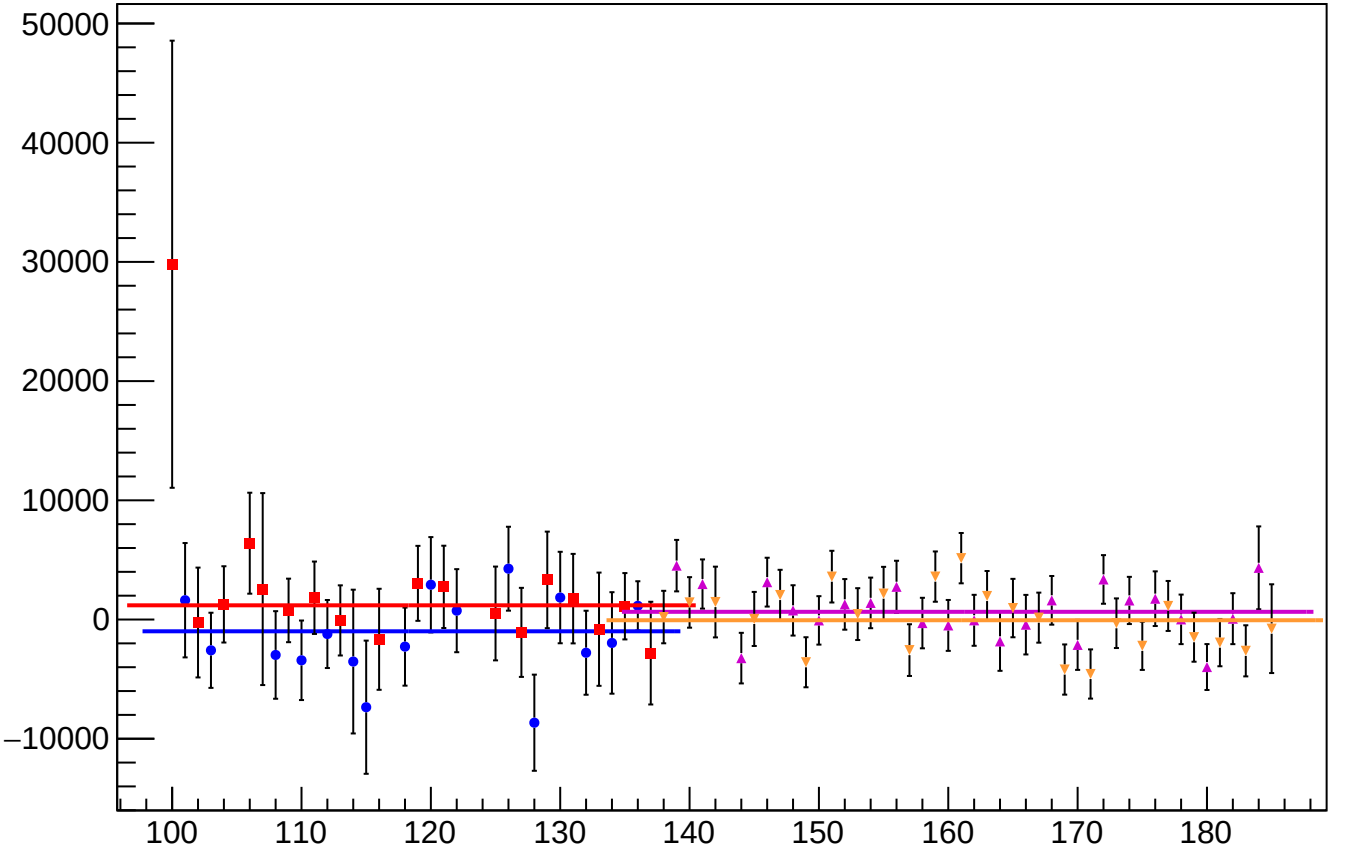
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 775.479+/-0.113 χ^2/NDF: 3943601.9/39

All: 773.041+/-0.080 χ^2/NDF: 7940564.6/80

- 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: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

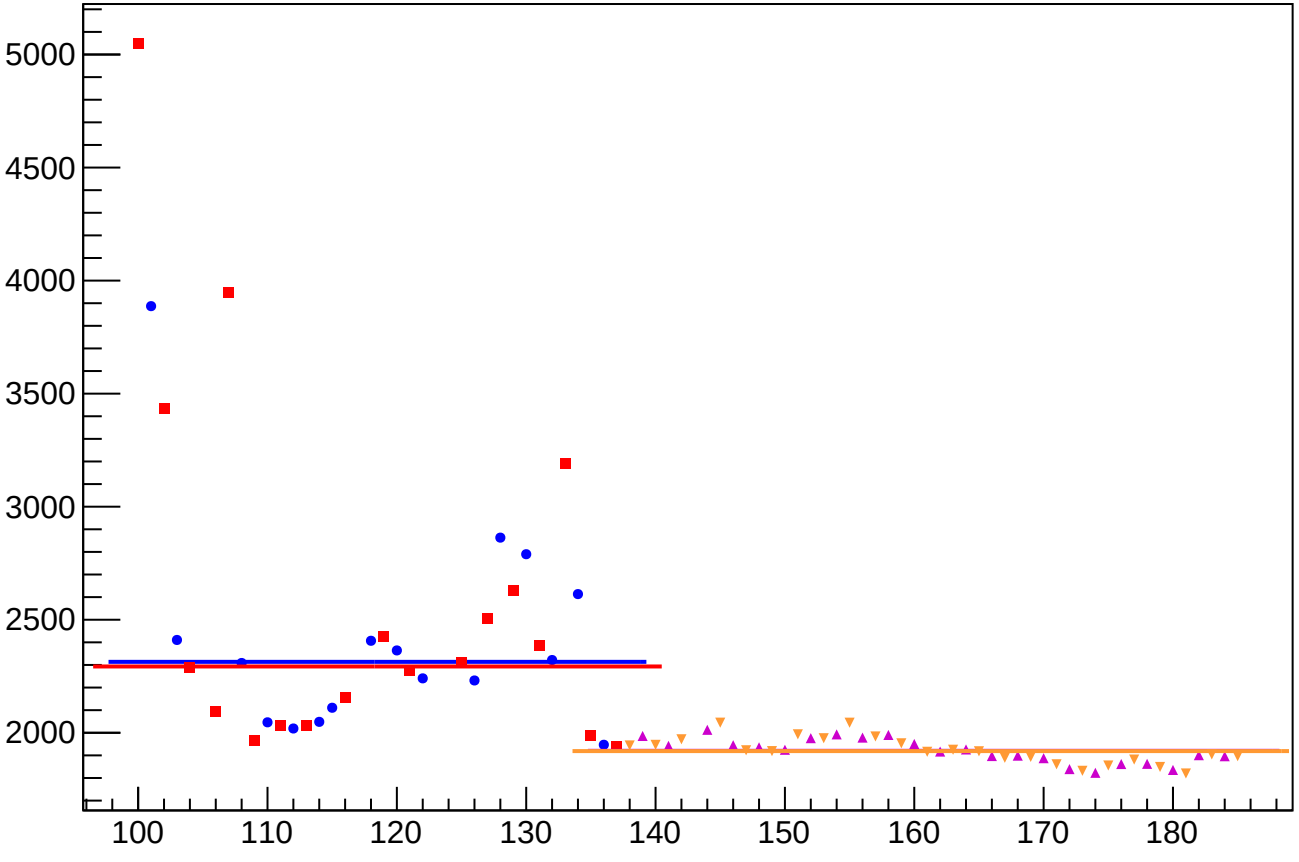
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -251.089+/-396.968 χ^2/NDF: 45.9/39

All: 252.893+/-281.314 χ^2/NDF: 80.0/80

- 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: 1918.975+/-0.315 χ^2/NDF:35574.5/23

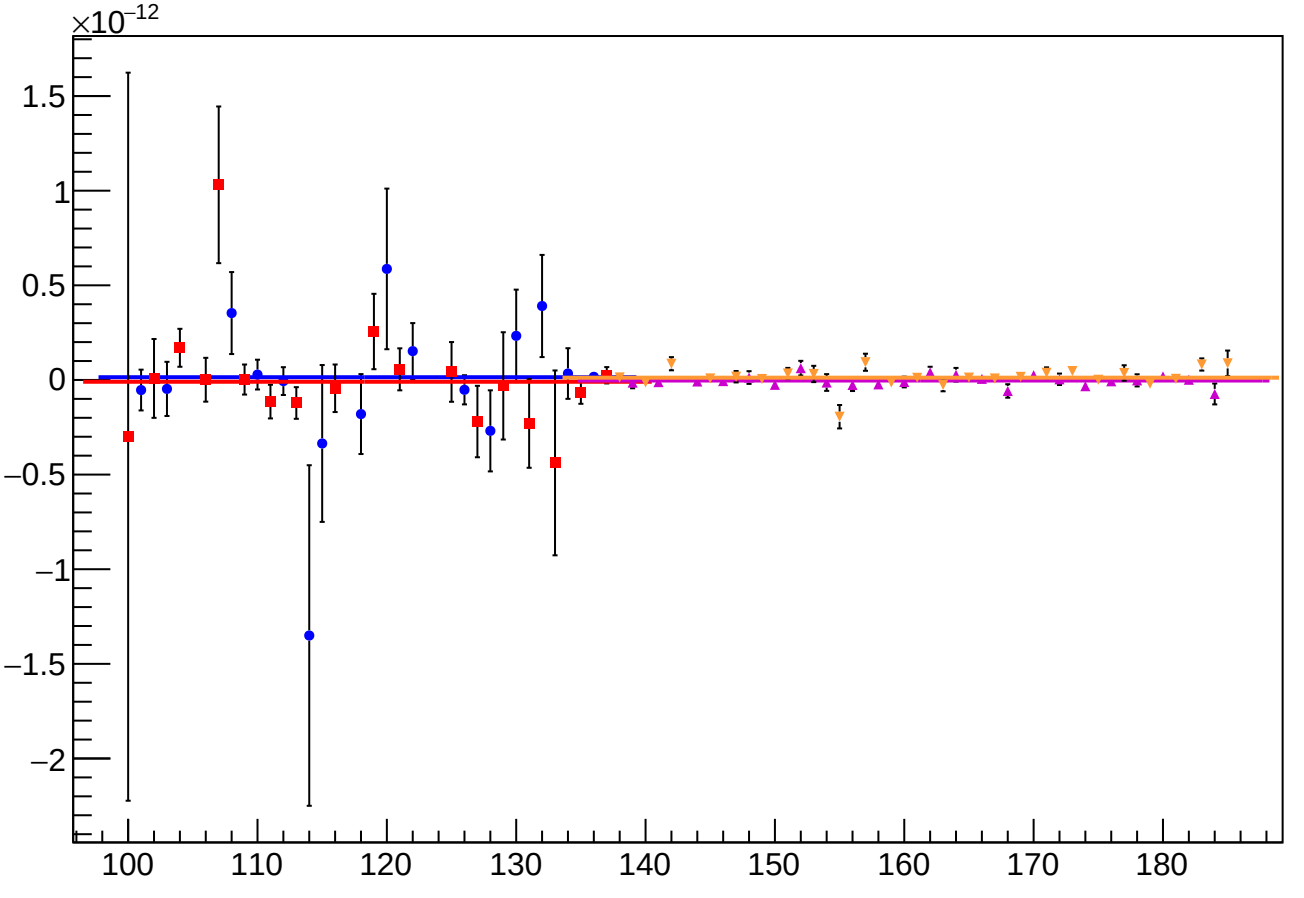
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2000.444+/-0.281 χ^2/NDF: 762270.6/39

All: 1999.472+/-0.199 χ^2/NDF: 1535707.8/80

- 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:38.1/23

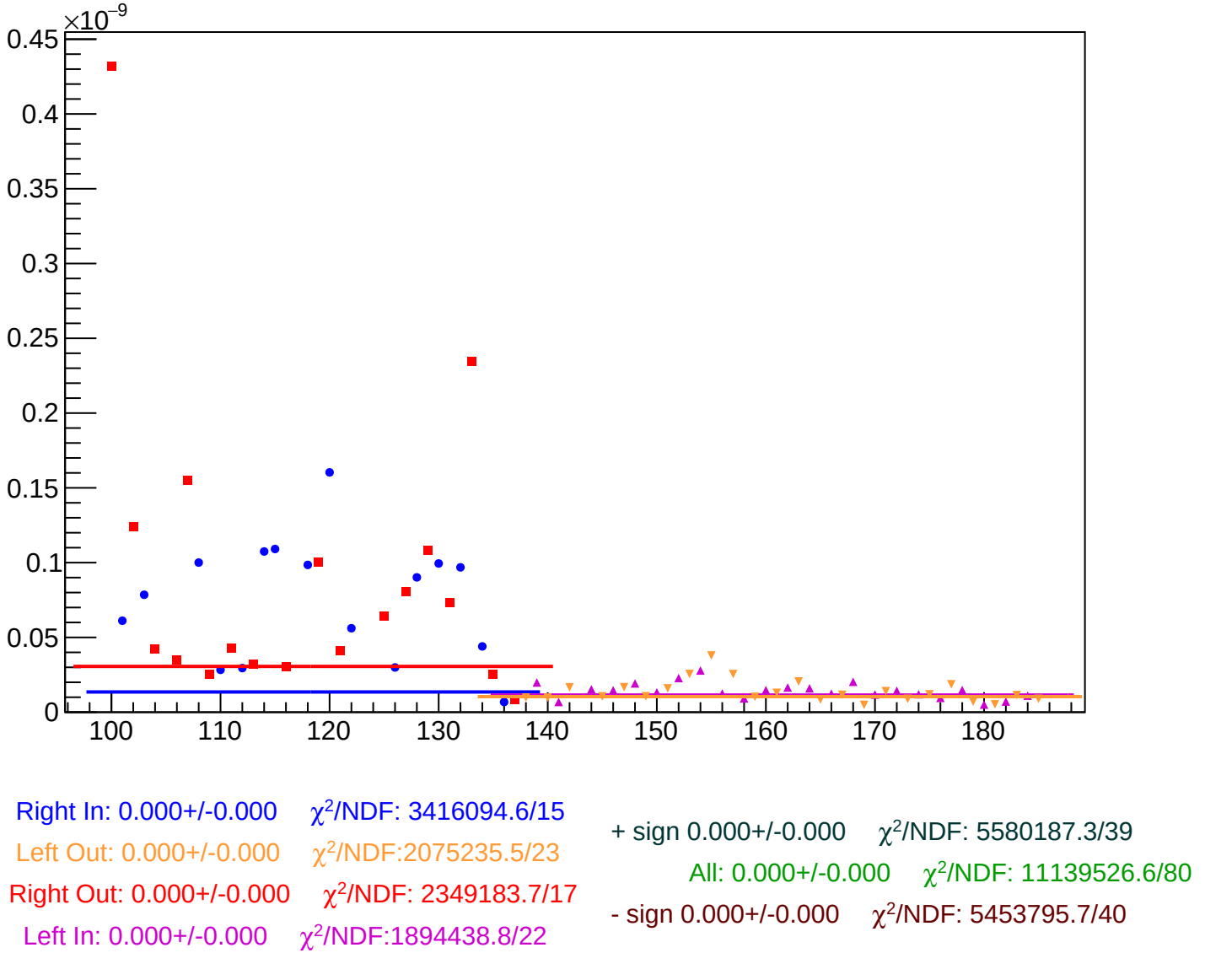
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

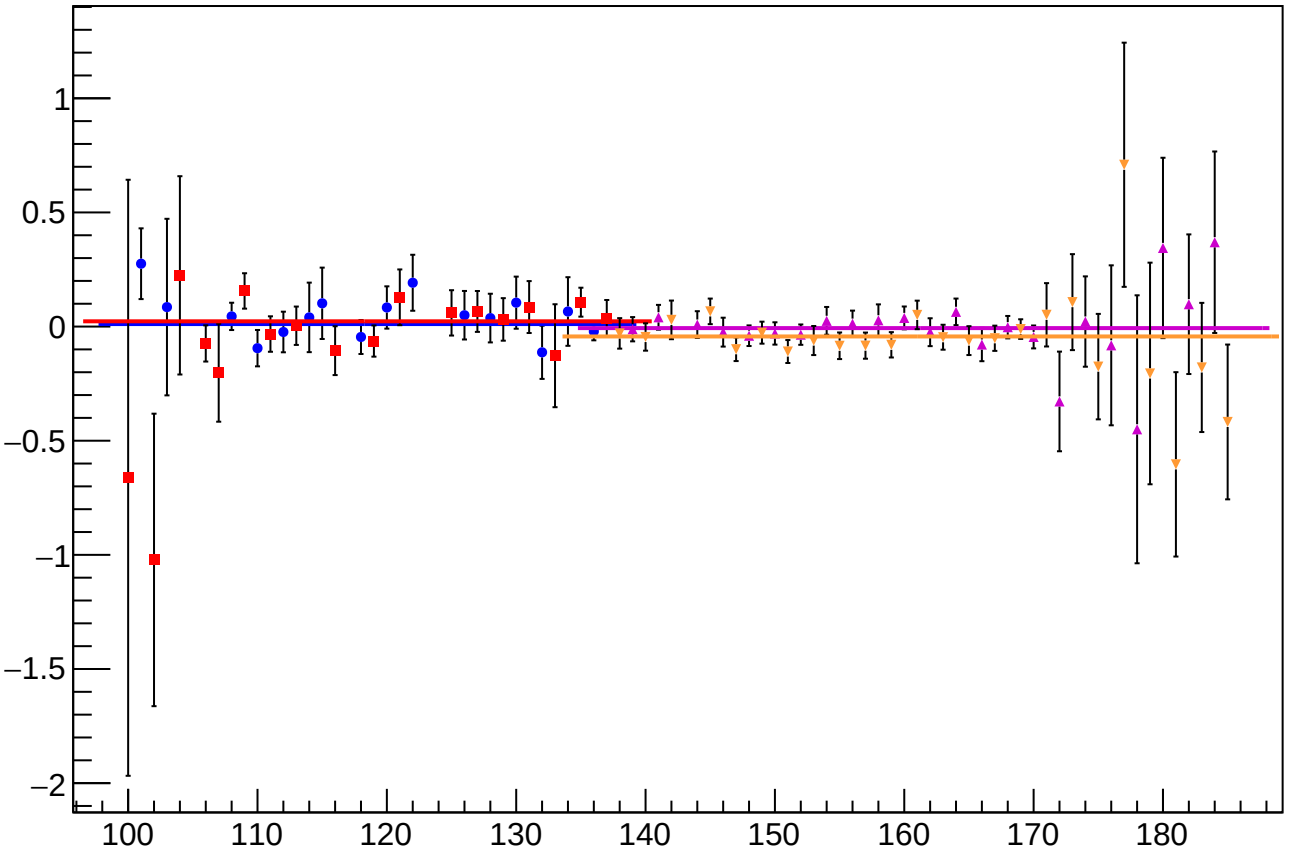
Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/39

All: 0.000+/-0.000 χ^2/NDF: 97.6/80

- 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:2075235.5/23
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: 5580187.3/39
All: 0.000+/-0.000 χ²/NDF: 11139526.6/80
- 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:18.9/23

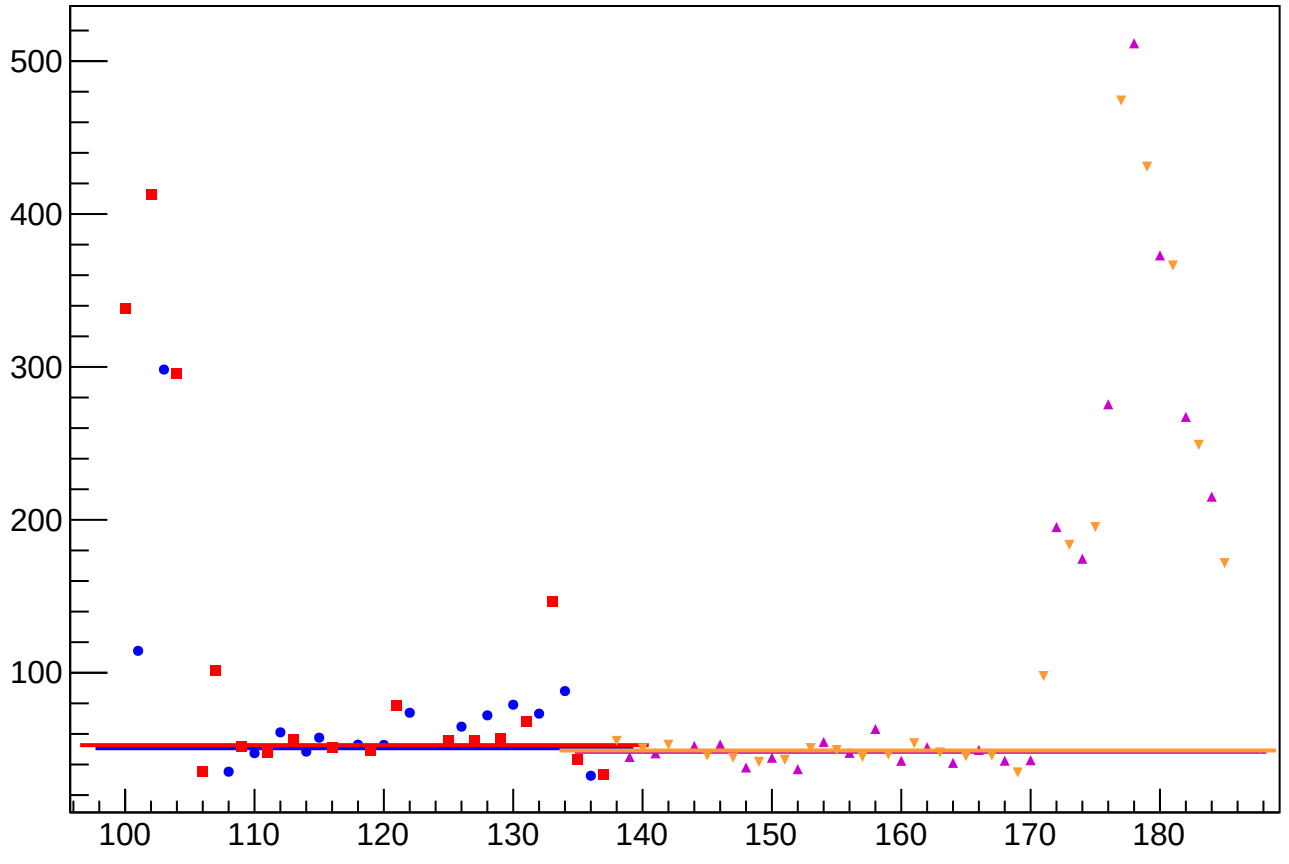
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.028+/-0.012 χ^2/NDF: 35.0/39

All: -0.013+/-0.008 χ^2/NDF: 66.4/80

- 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: 49.180+/-0.010 χ^2/NDF:7250092.4/23

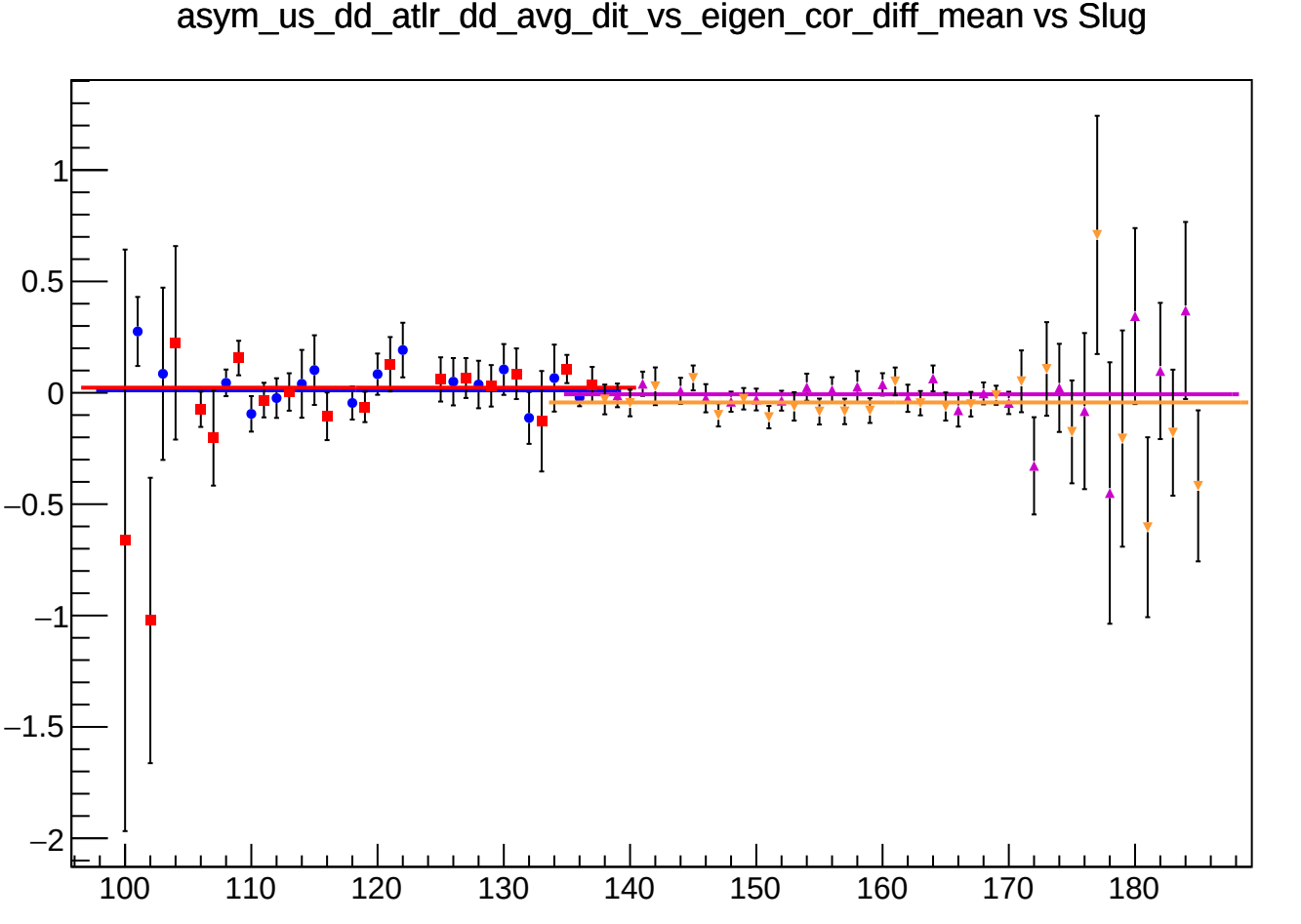
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 49.602+/-0.008 χ^2/NDF: 9522928.6/39

All: 49.510+/-0.006 χ^2/NDF: 18828779.9/80

- 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:18.9/23

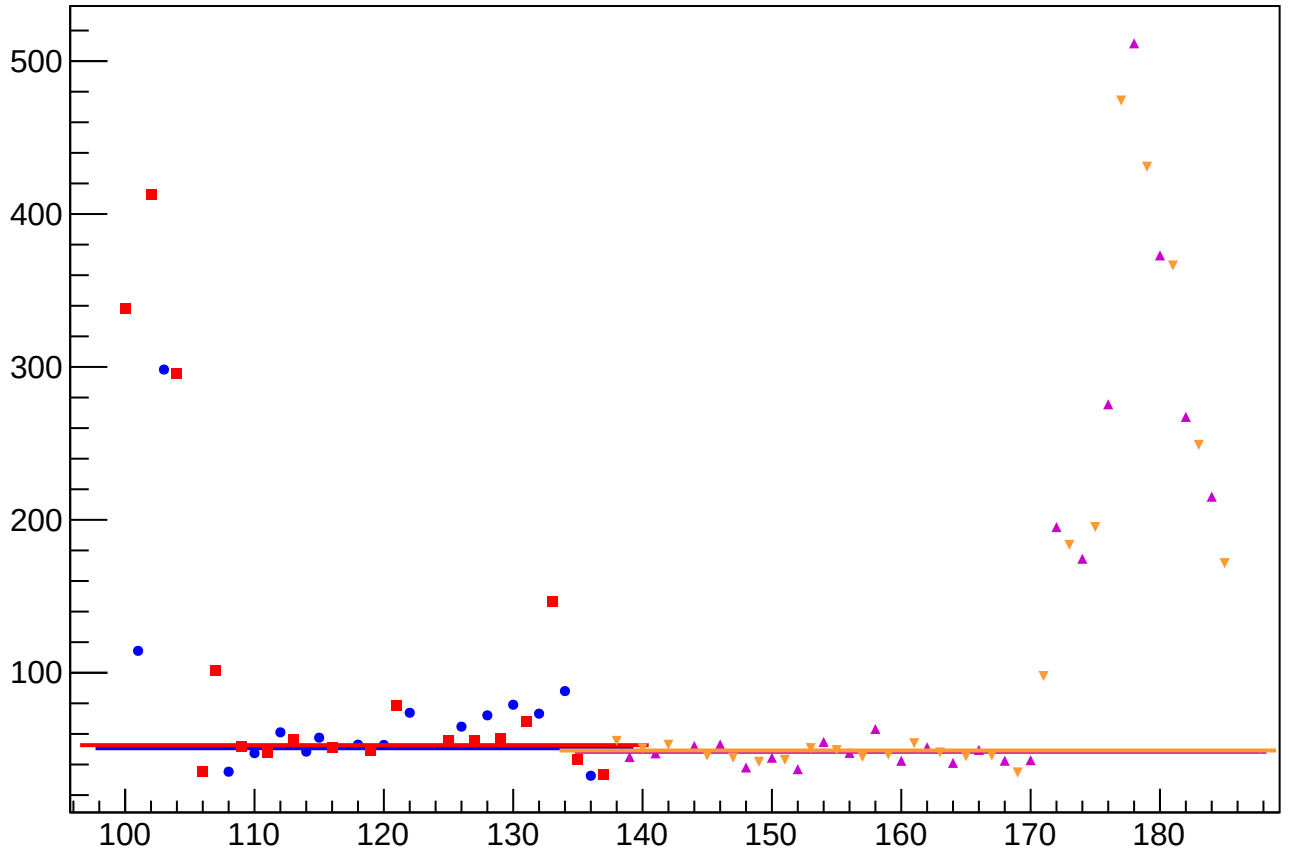
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.028+/-0.012 χ^2/NDF: 35.0/39

All: -0.013+/-0.008 χ^2/NDF: 66.4/80

- 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: 49.180+/-0.010 χ^2/NDF:7250092.4/23

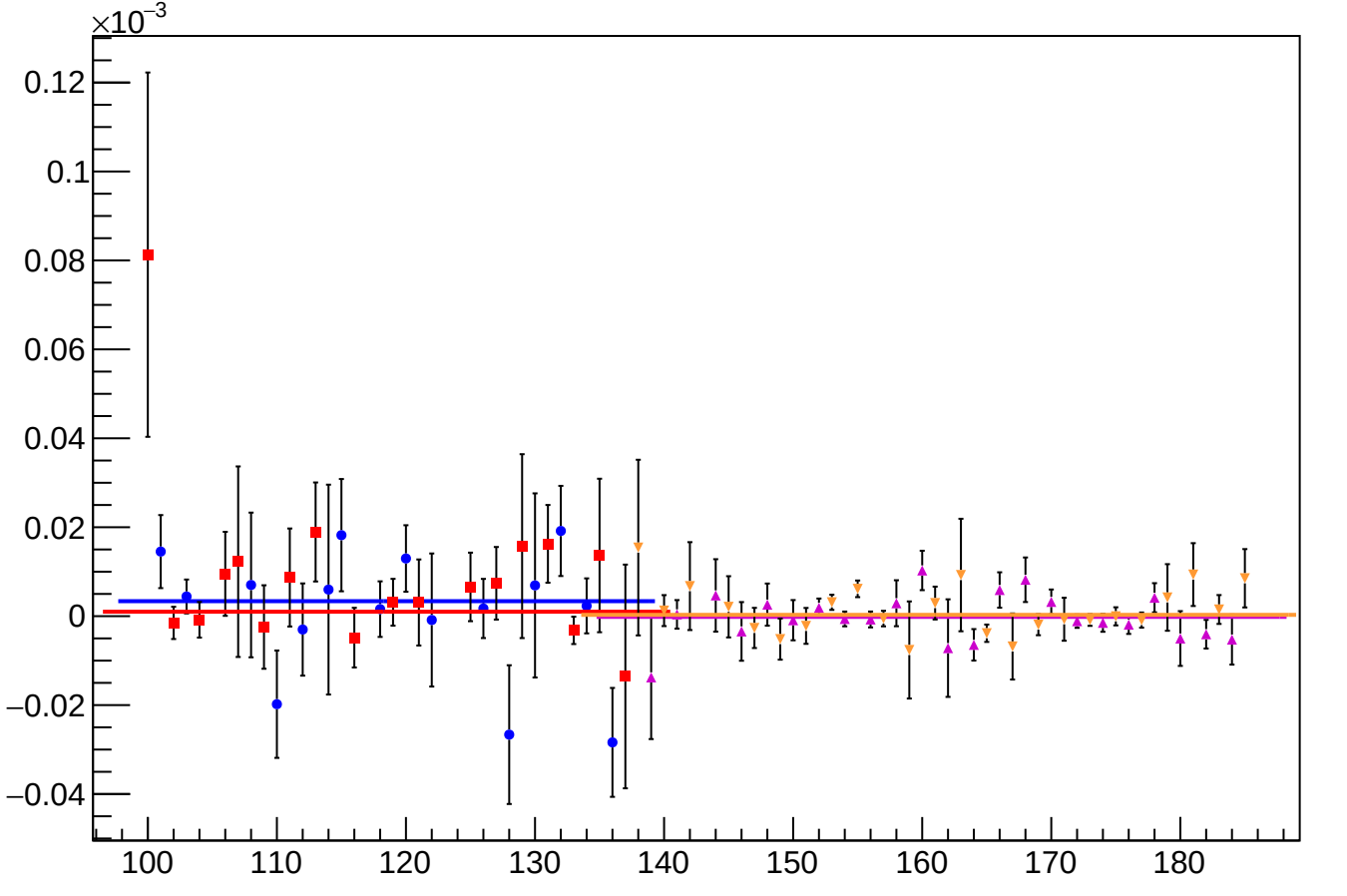
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 49.602+/-0.008 χ^2/NDF: 9522928.6/39

All: 49.510+/-0.006 χ^2/NDF: 18828779.9/80

\- 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:28.8/23

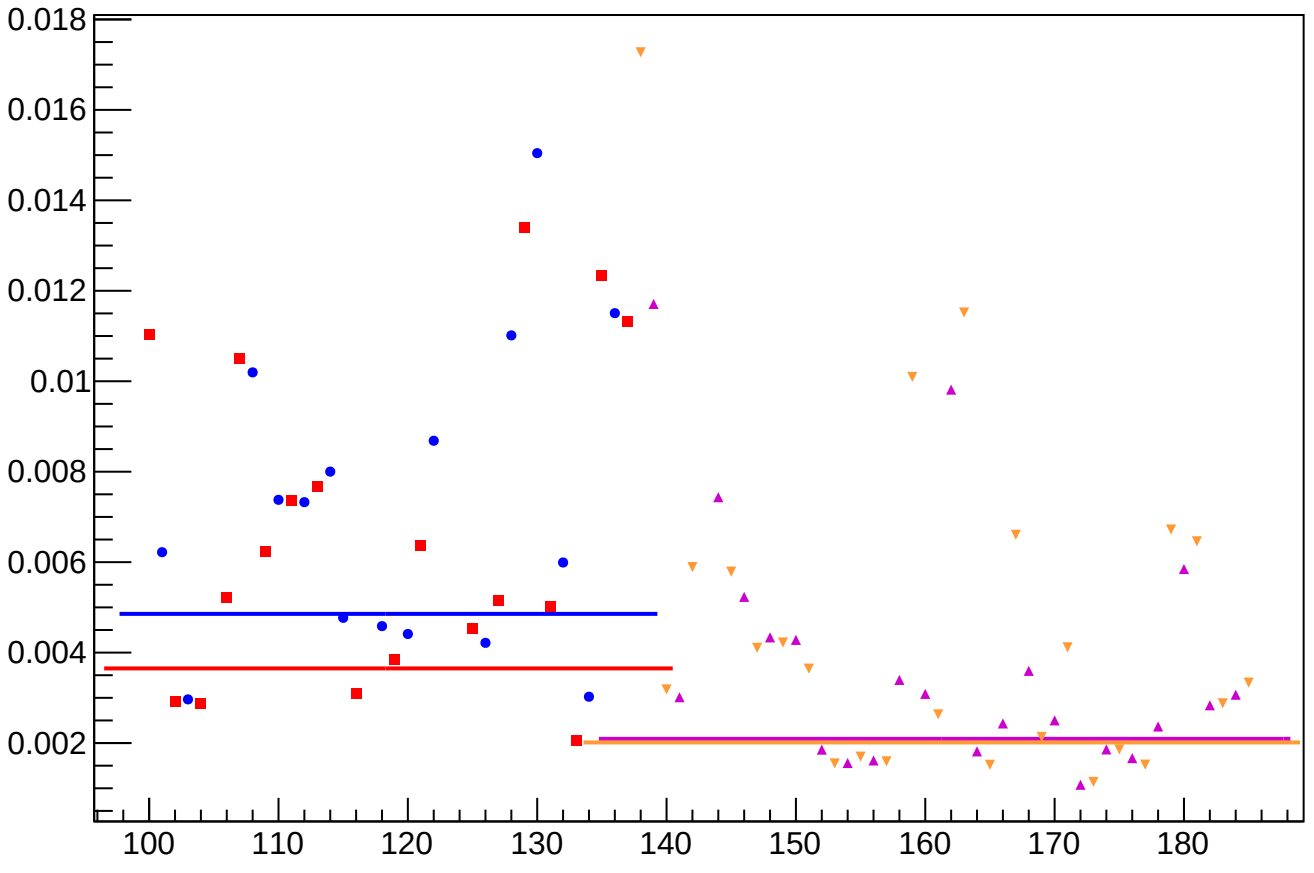
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/39

All: 0.000+/-0.000 χ^2/NDF: 96.5/80

- sign -0.000+/-0.000 χ^2/NDF: 43.0/40



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

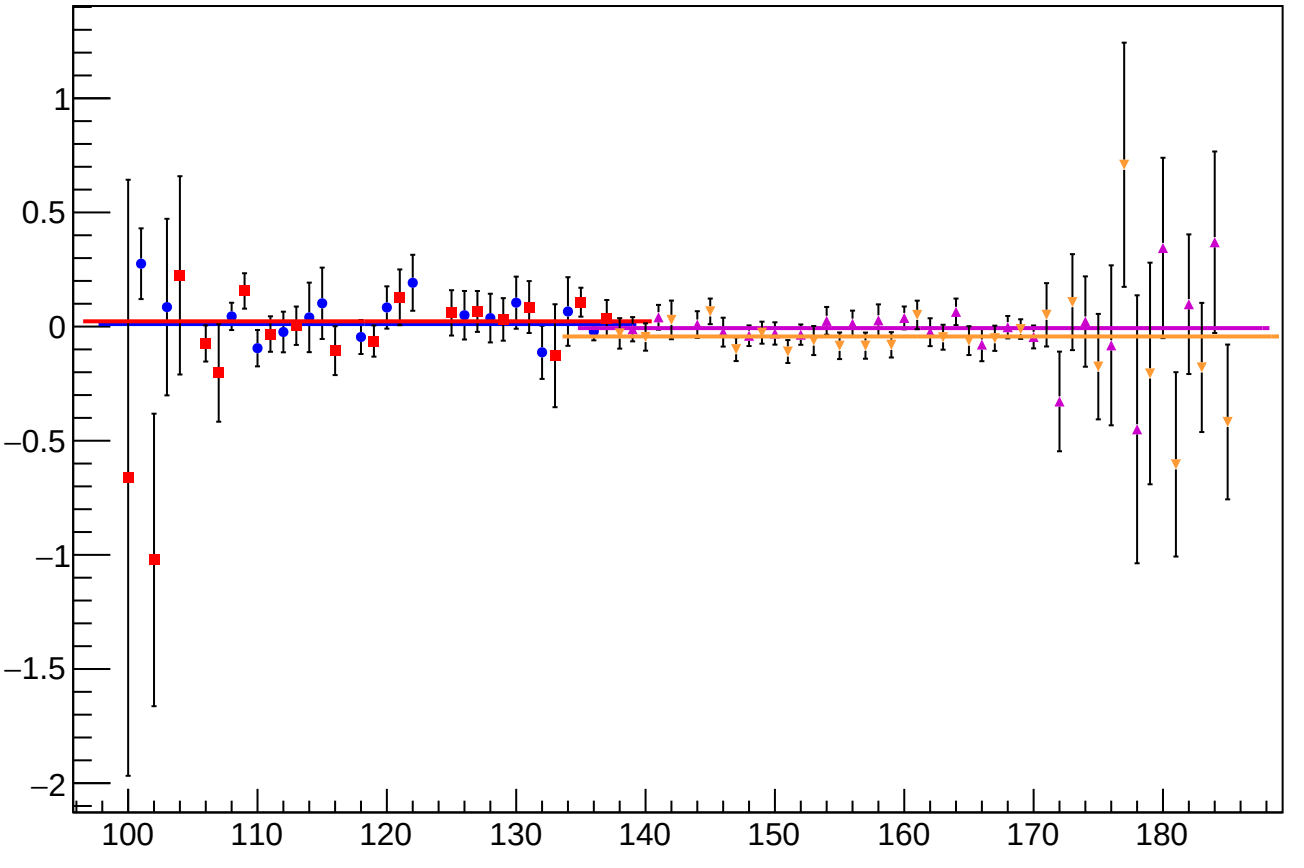
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 16485912.7/39

All: 0.002+/-0.000 χ^2/NDF: 28479016.1/80

- sign 0.002+/-0.000 χ^2/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:18.9/23

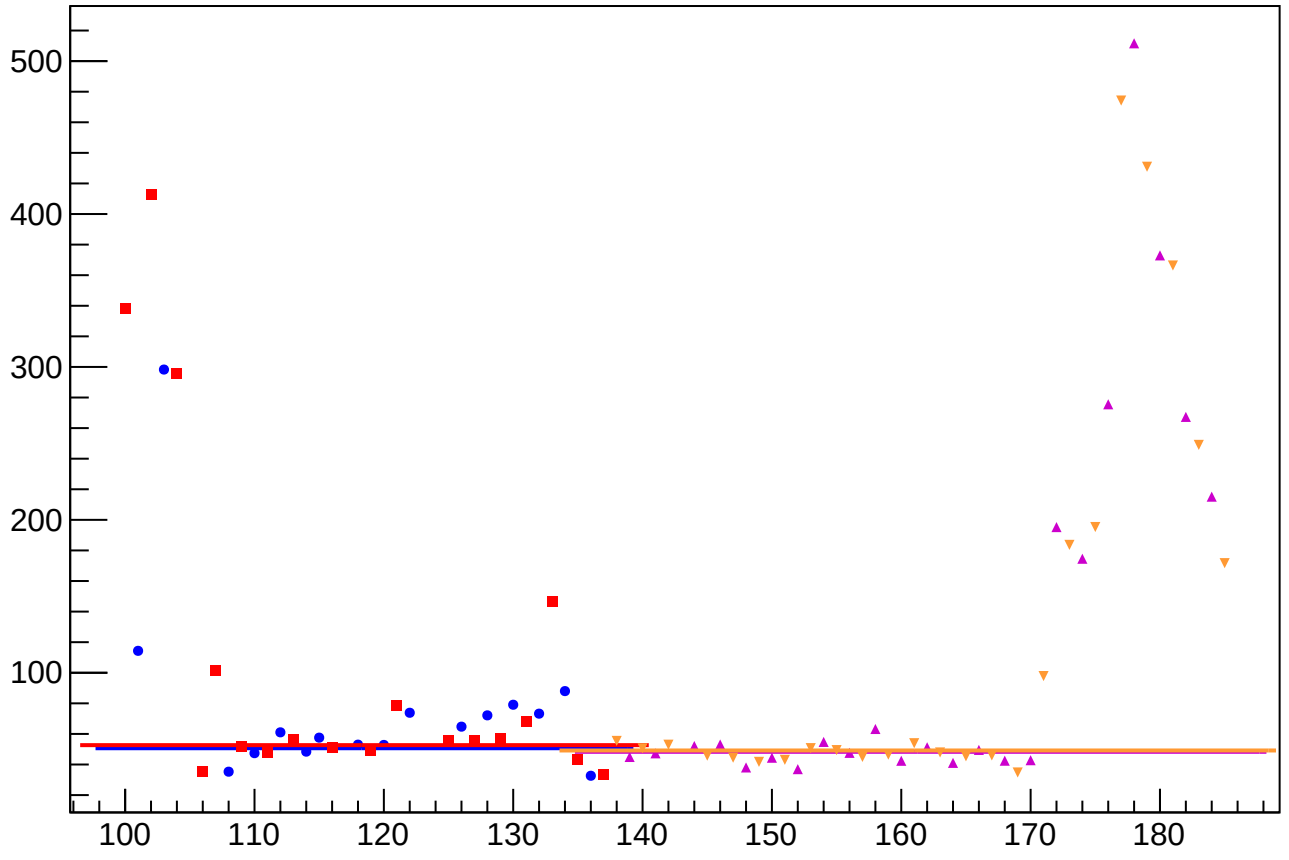
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.028+/-0.012 χ^2/NDF: 35.0/39

All: -0.013+/-0.008 χ^2/NDF: 66.4/80

- 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: 49.180+/-0.010 χ^2/NDF:7250102.5/23

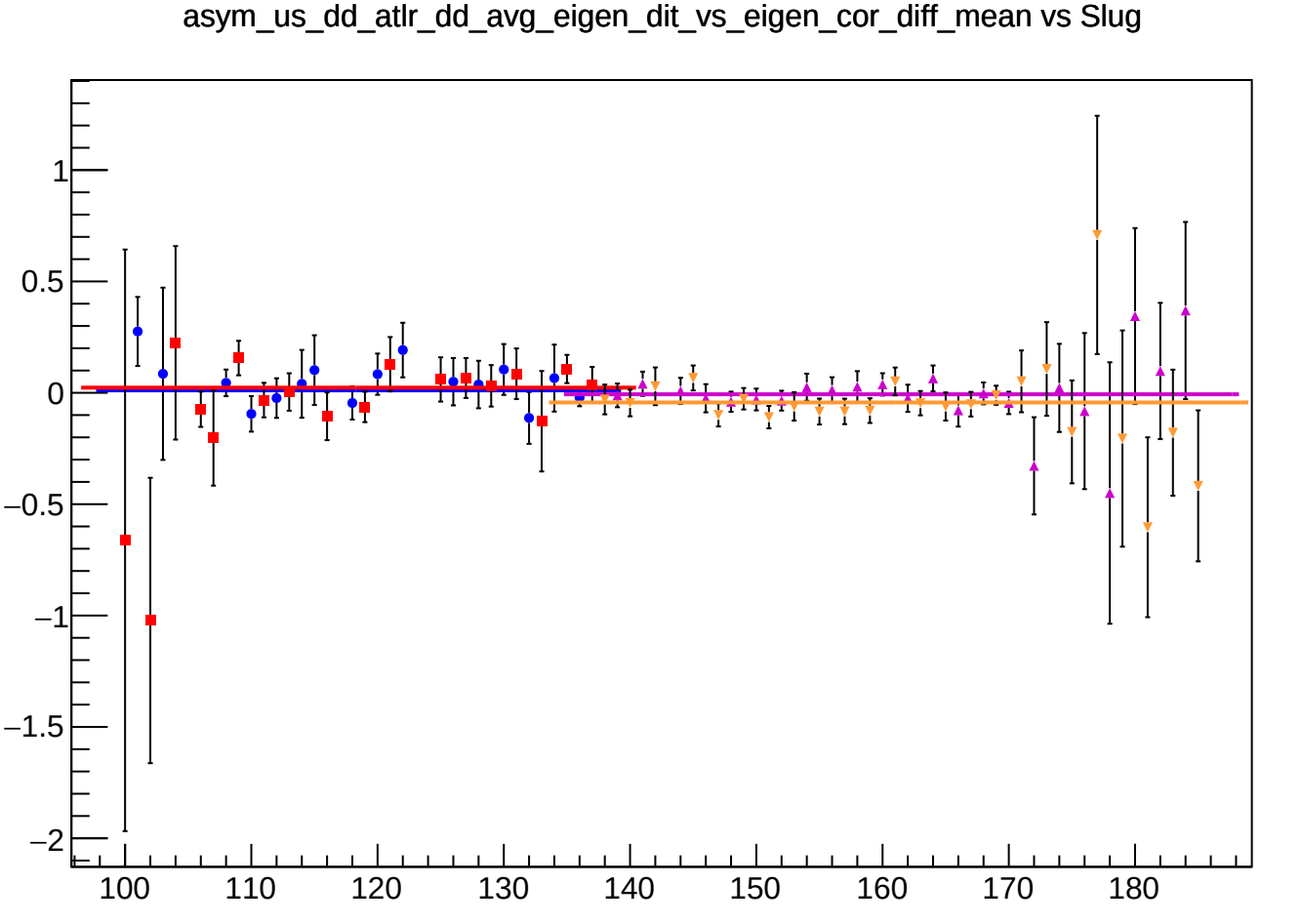
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 49.602+/-0.008 χ^2/NDF: 9522848.4/39

All: 49.510+/-0.006 χ^2/NDF: 18828516.6/80

\- 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:18.9/23

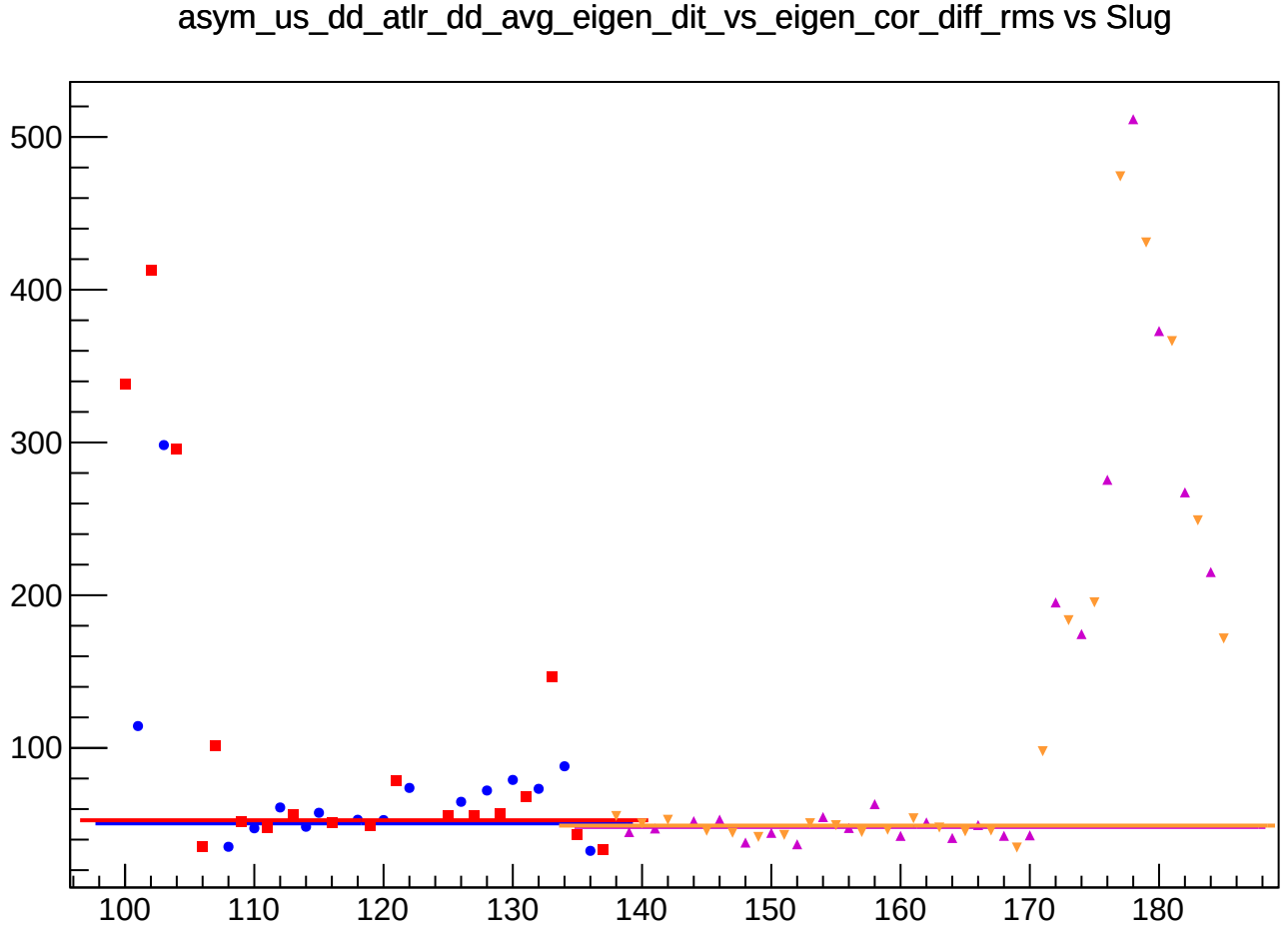
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.028+/-0.012 χ^2/NDF: 35.0/39

All: -0.013+/-0.008 χ^2/NDF: 66.4/80

- 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: 49.180+/-0.010 χ^2/NDF:7250102.5/23

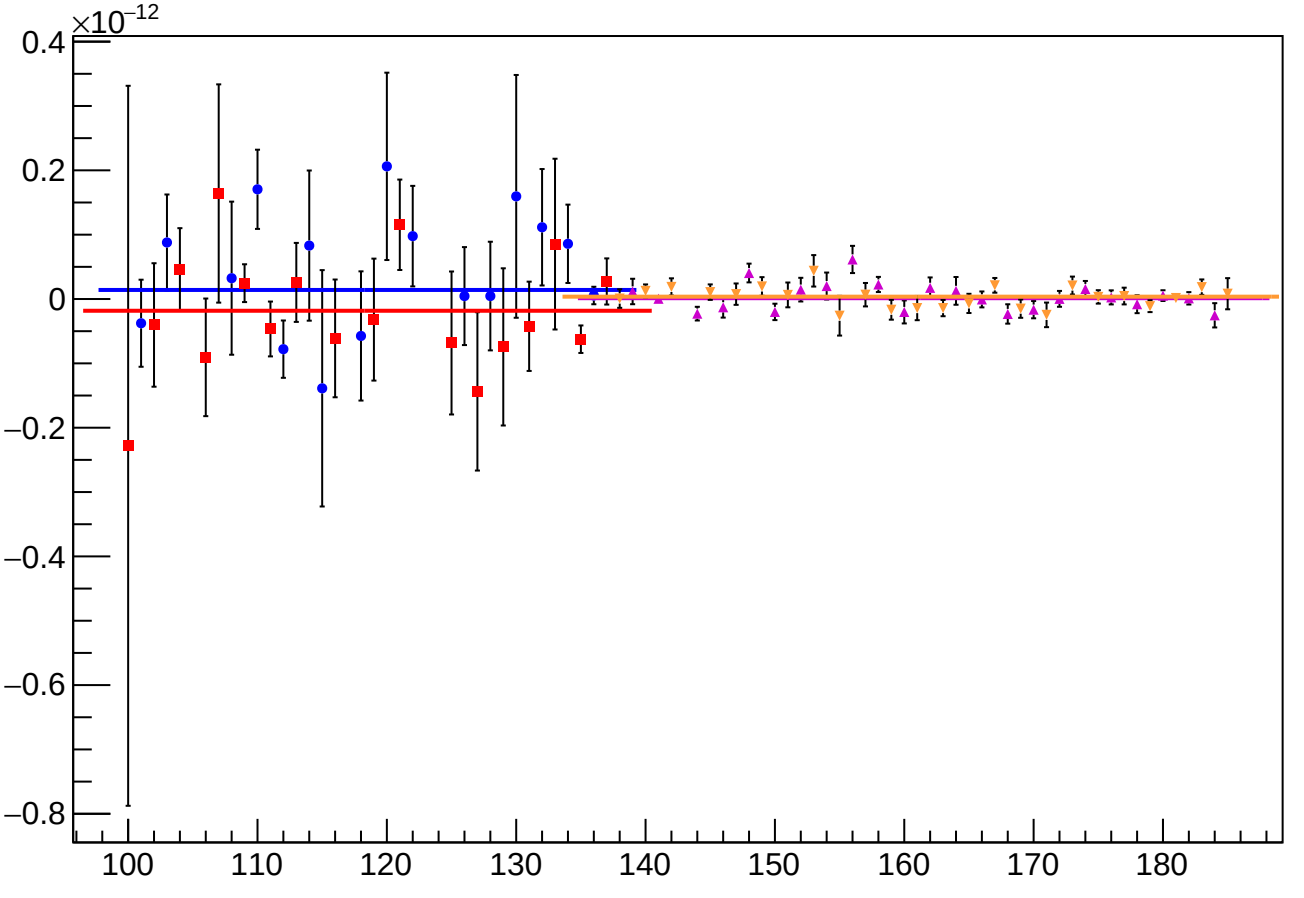
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 49.602+/-0.008 χ^2/NDF: 9522848.4/39

All: 49.510+/-0.006 χ^2/NDF: 18828516.6/80

- 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:24.6/23

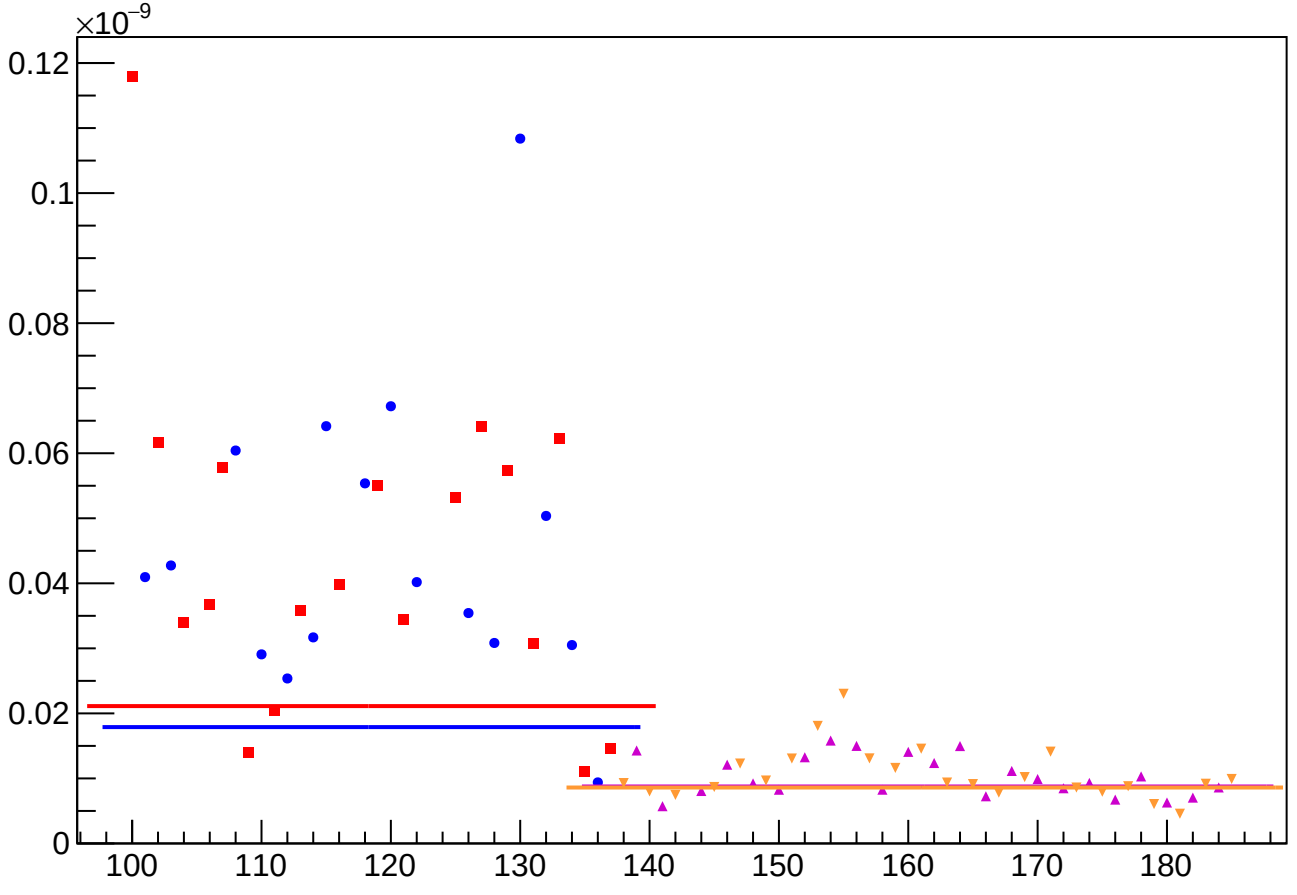
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/39

All: 0.000+/-0.000 χ^2/NDF: 107.1/80

- 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:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

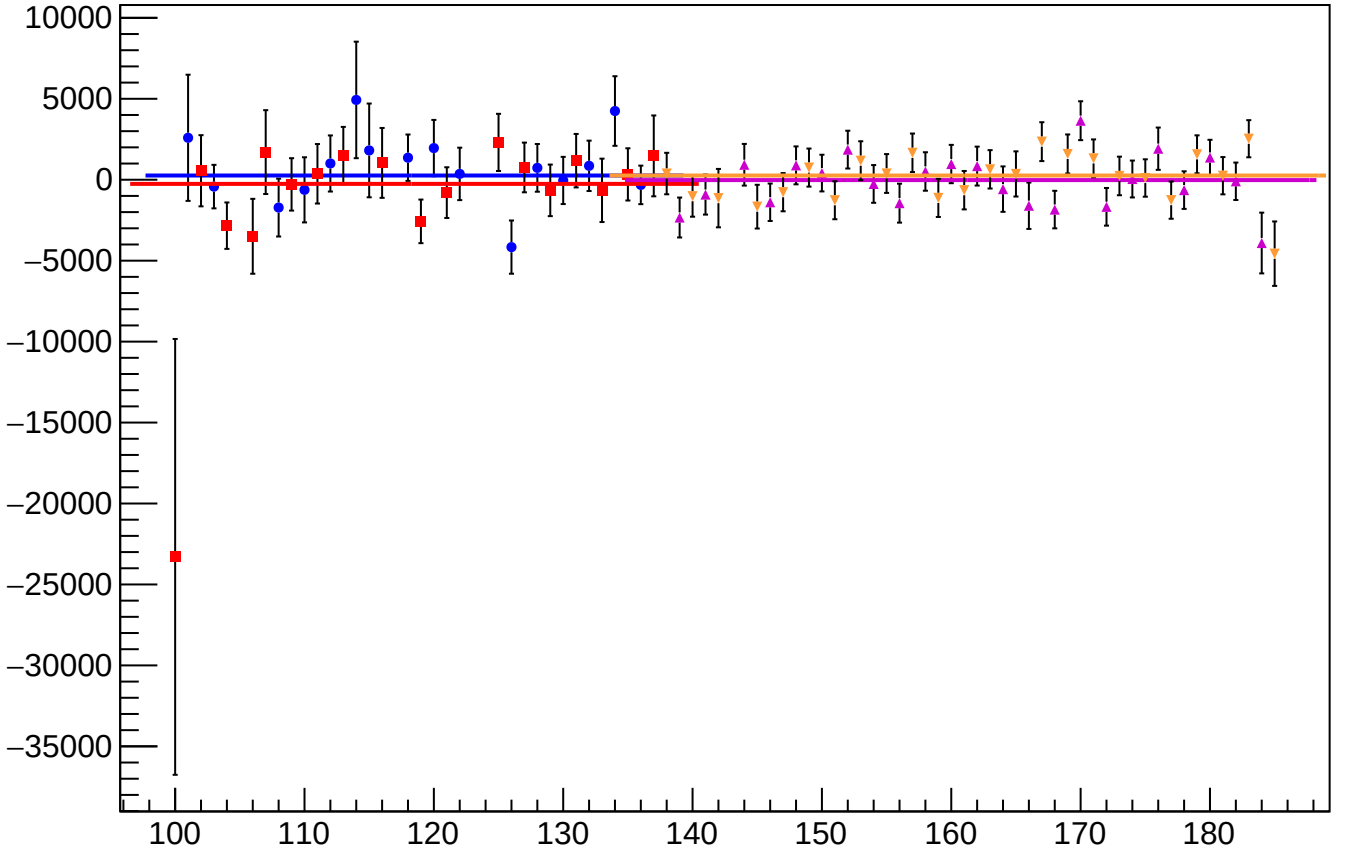
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7174272.5/39

All: 0.000+/-0.000 χ^2/NDF: 13615901.6/80

- 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: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

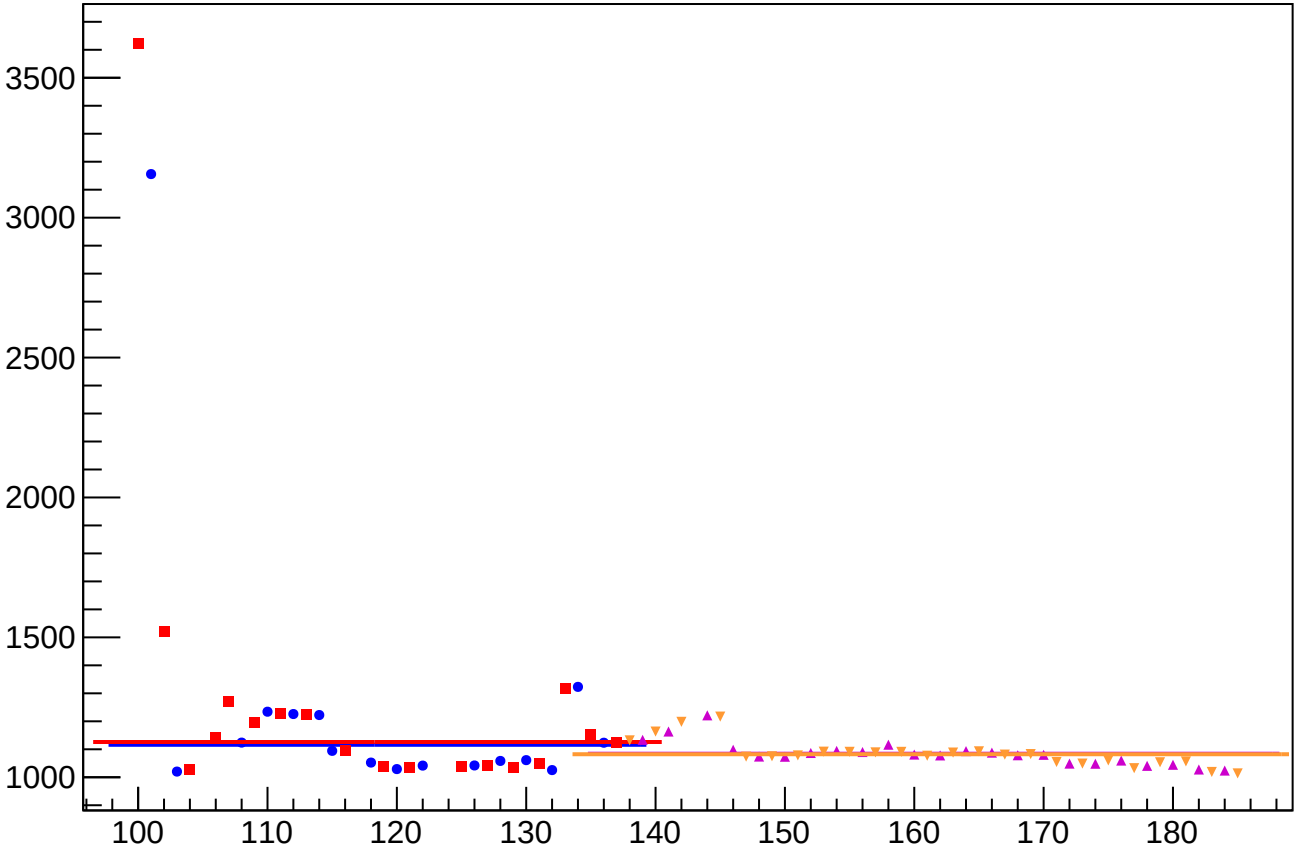
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 260.688+/-216.333 χ^2/NDF: 45.2/39

All: 89.720+/-153.455 χ^2/NDF: 99.8/80

- 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: 1082.308+/-0.178 χ^2/NDF:57873.0/23

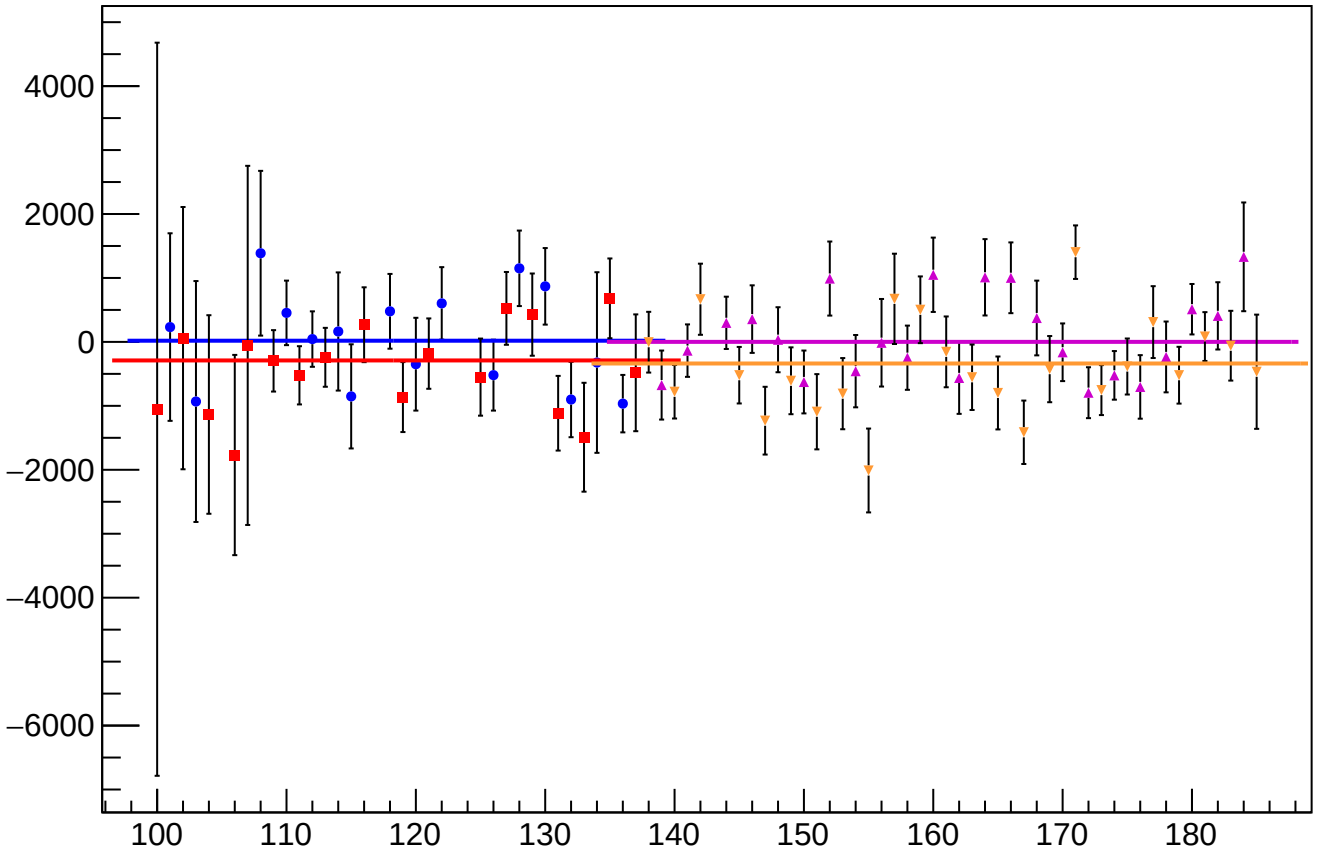
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.075+/-0.153 χ^2/NDF: 690635.8/39

All: 1093.078+/-0.109 χ^2/NDF: 980795.5/80

- 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: -337.727+/-102.601 χ^2/NDF:48.8/23

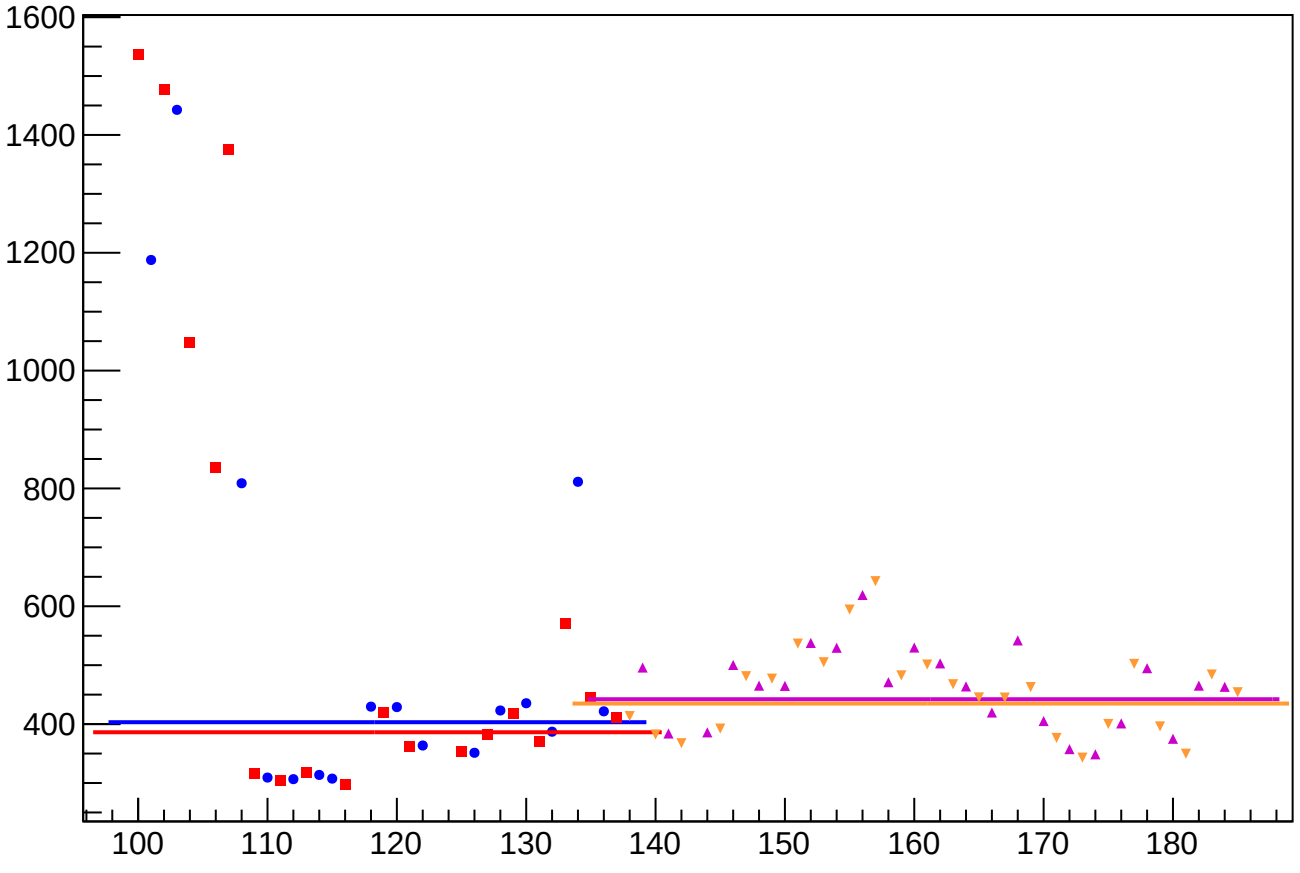
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -235.065+/-86.562 χ^2/NDF: 71.5/39

All: -162.667+/-61.358 χ^2/NDF: 120.6/80

- 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: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

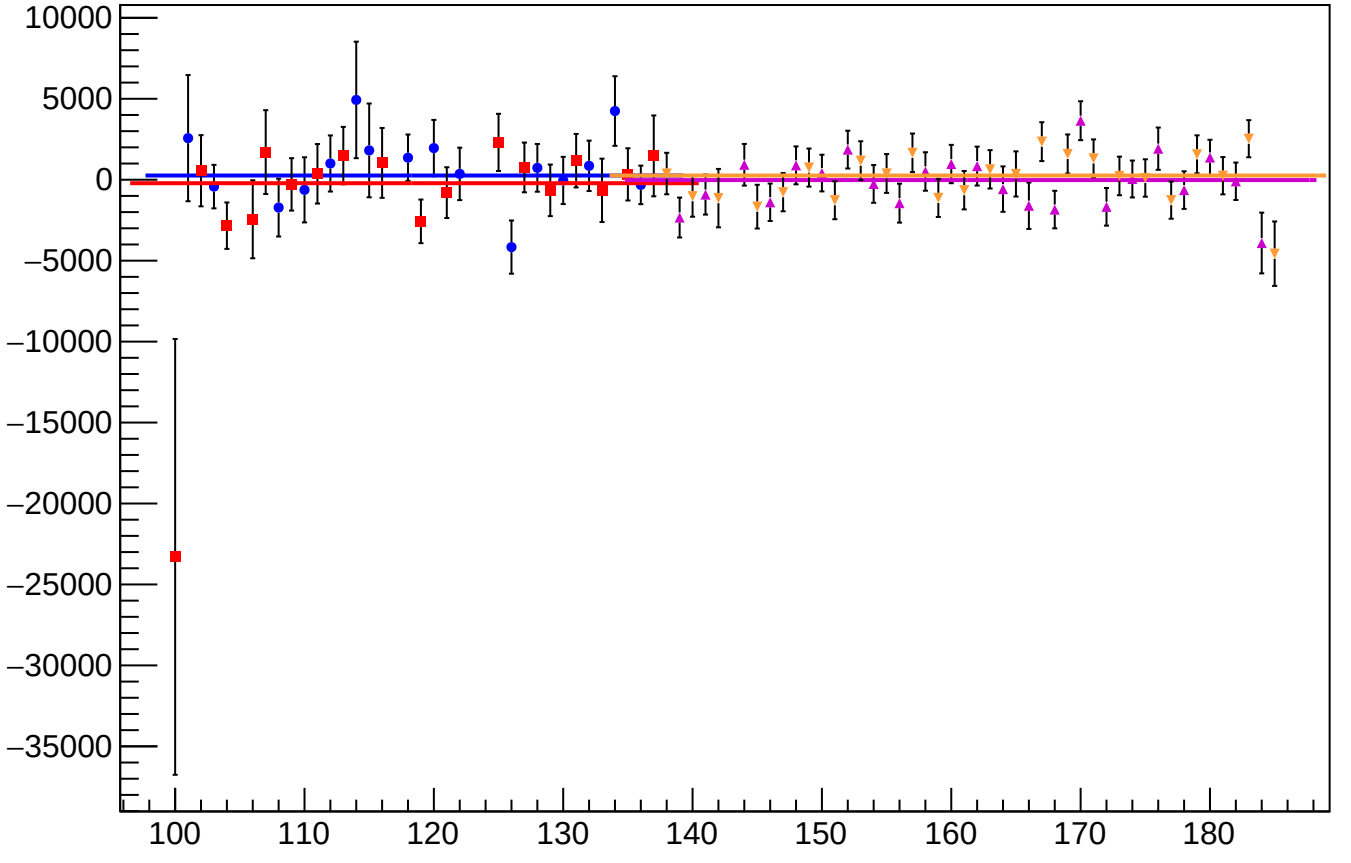
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 425.732+/-0.061 χ^2/NDF: 2741750.5/39

All: 425.278+/-0.043 χ^2/NDF: 5504698.8/80

- 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: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

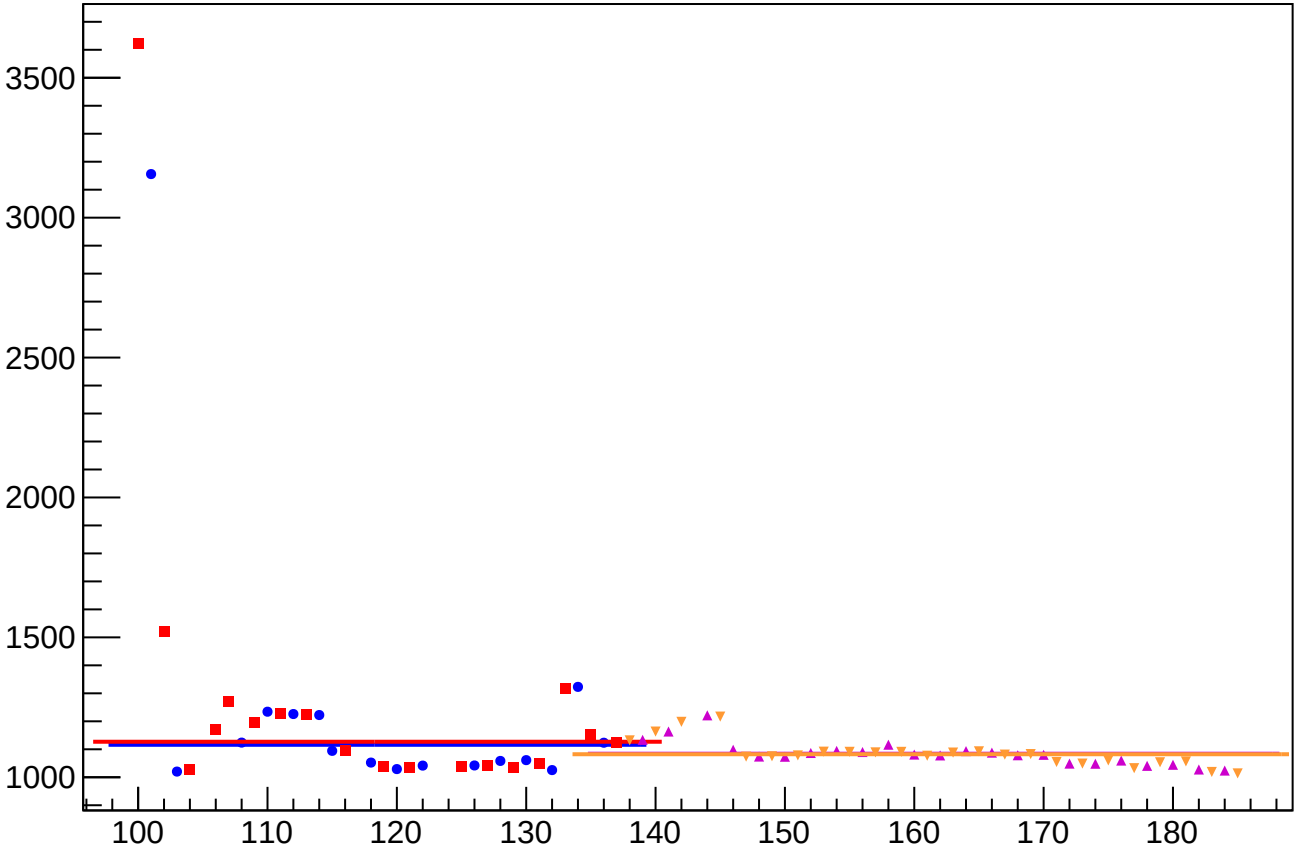
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 260.581+/-216.333 χ^2/NDF: 45.2/39

All: 95.155+/-153.482 χ^2/NDF: 98.5/80

- 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: 1082.308+/-0.178 χ^2/NDF:57873.0/23

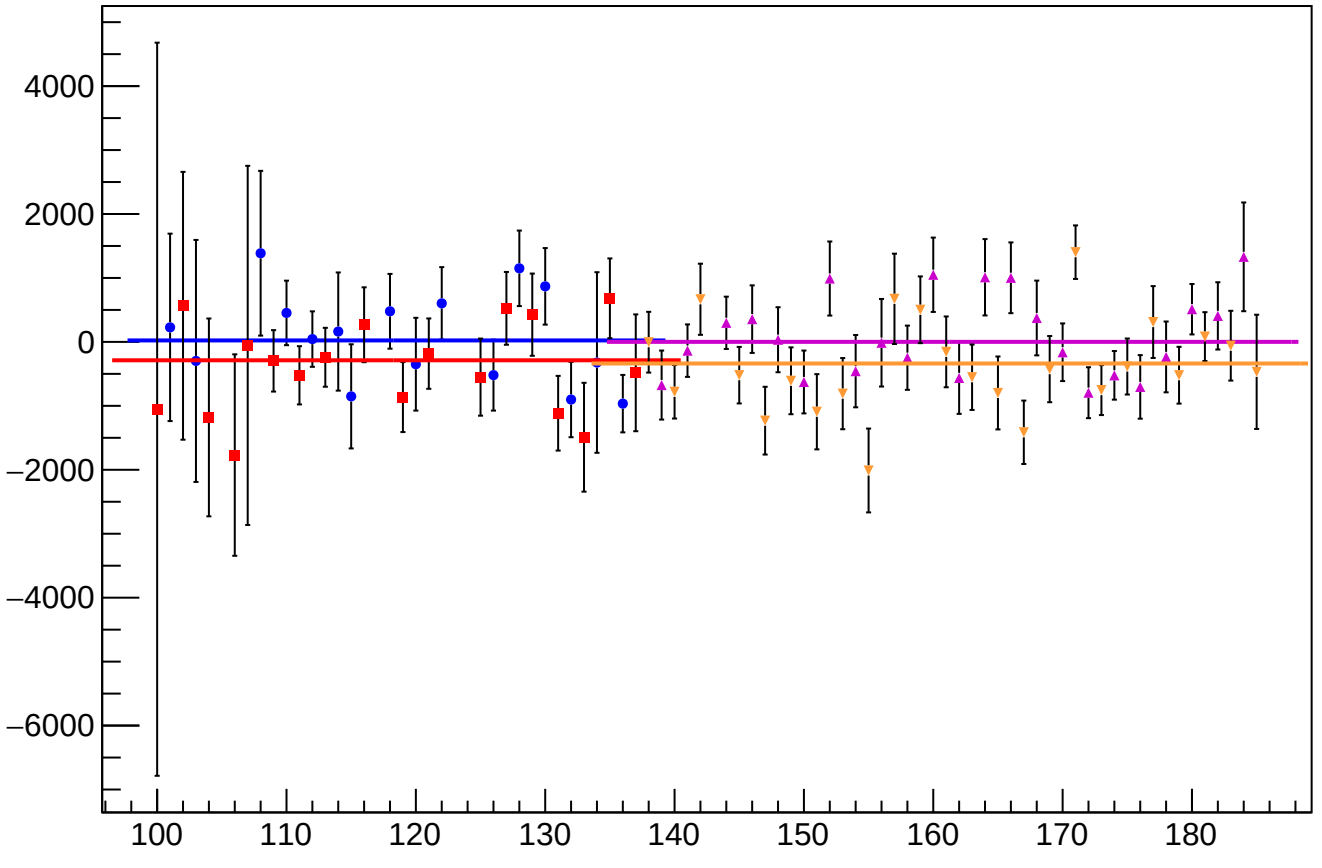
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.075+/-0.153 χ^2/NDF: 690636.6/39

All: 1093.189+/-0.109 χ^2/NDF: 982092.9/80

- 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: -337.816+/-102.601 χ^2/NDF:48.8/23

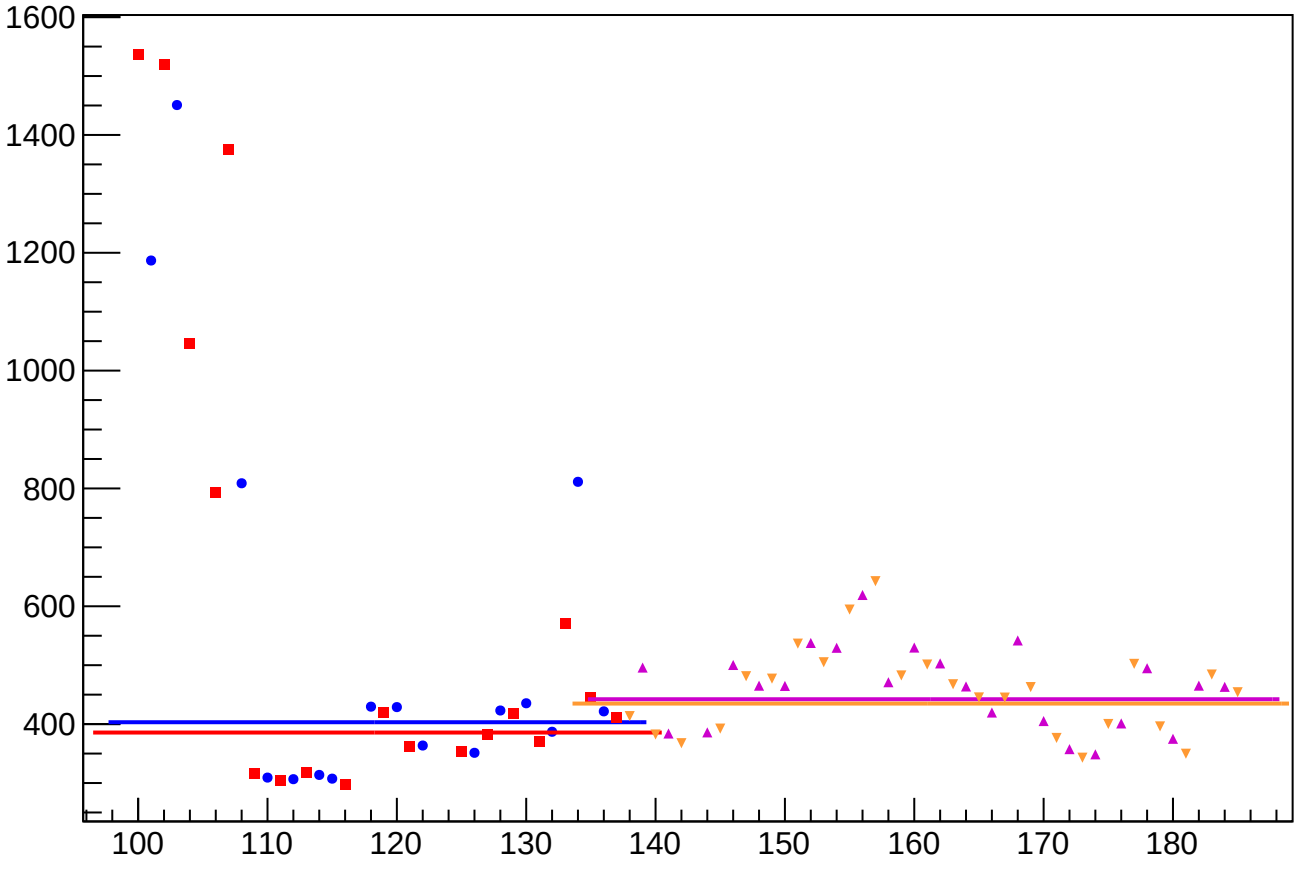
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -233.846+/-86.562 χ^2/NDF: 71.3/39

All: -161.682+/-61.359 χ^2/NDF: 120.6/80

- 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: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

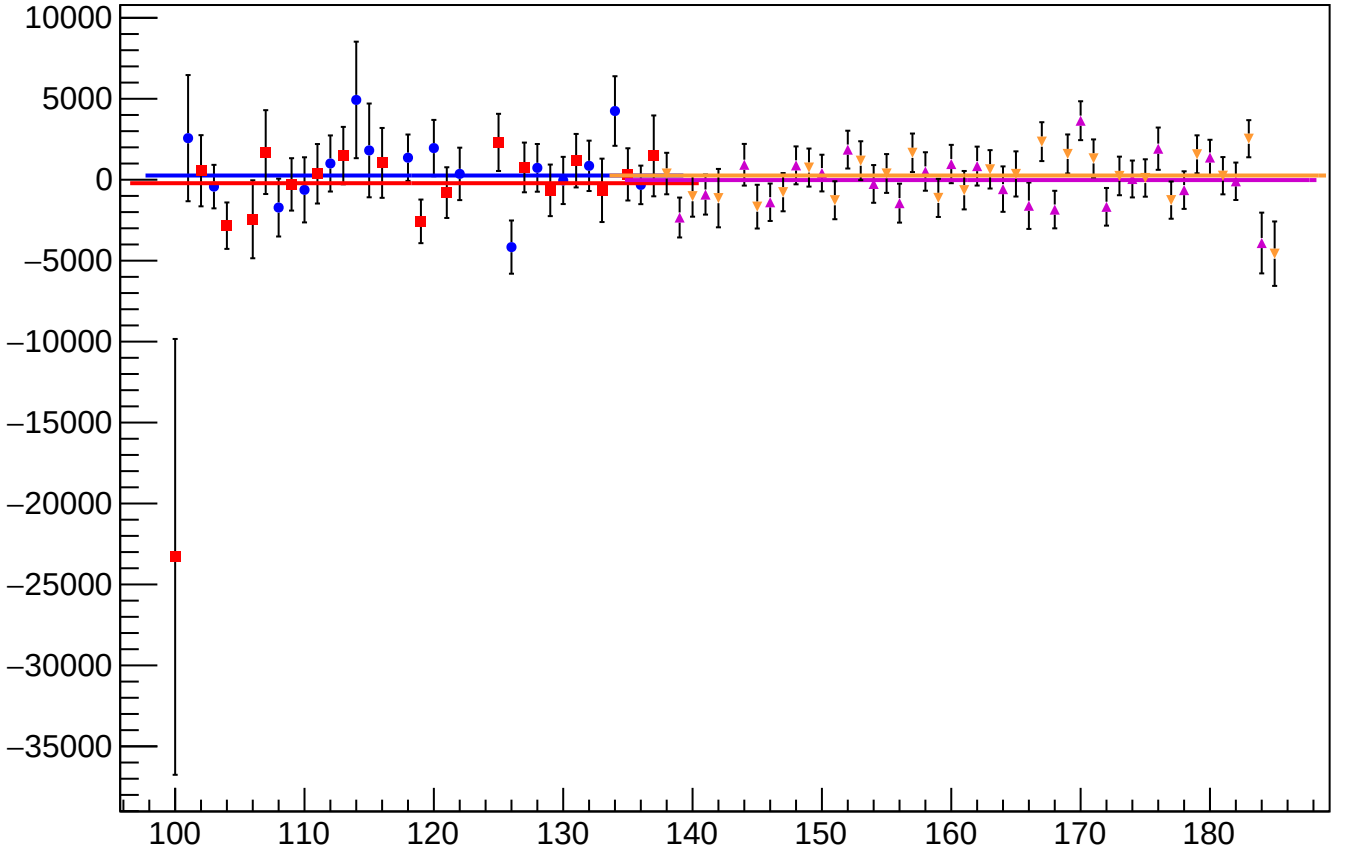
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 425.727+/-0.061 χ^2/NDF: 2745552.2/39

All: 425.206+/-0.043 χ^2/NDF: 5499374.0/80

- sign 424.680+/-0.062 χ^2/NDF: 2753676.2/40

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

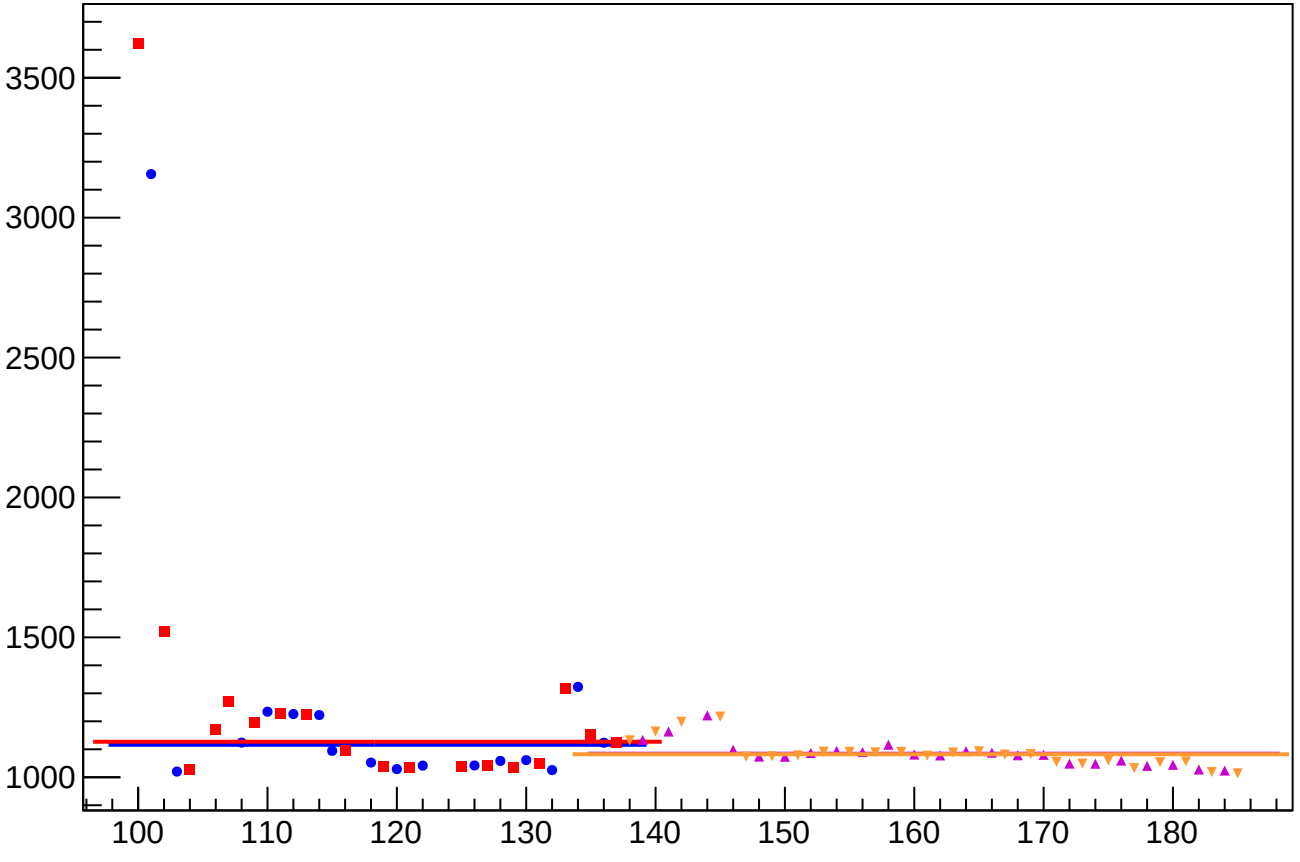
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 260.581+/-216.333 χ^2/NDF: 45.2/39

All: 95.155+/-153.482 χ^2/NDF: 98.5/80

- 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: 1082.308+/-0.178 χ^2/NDF:57873.0/23

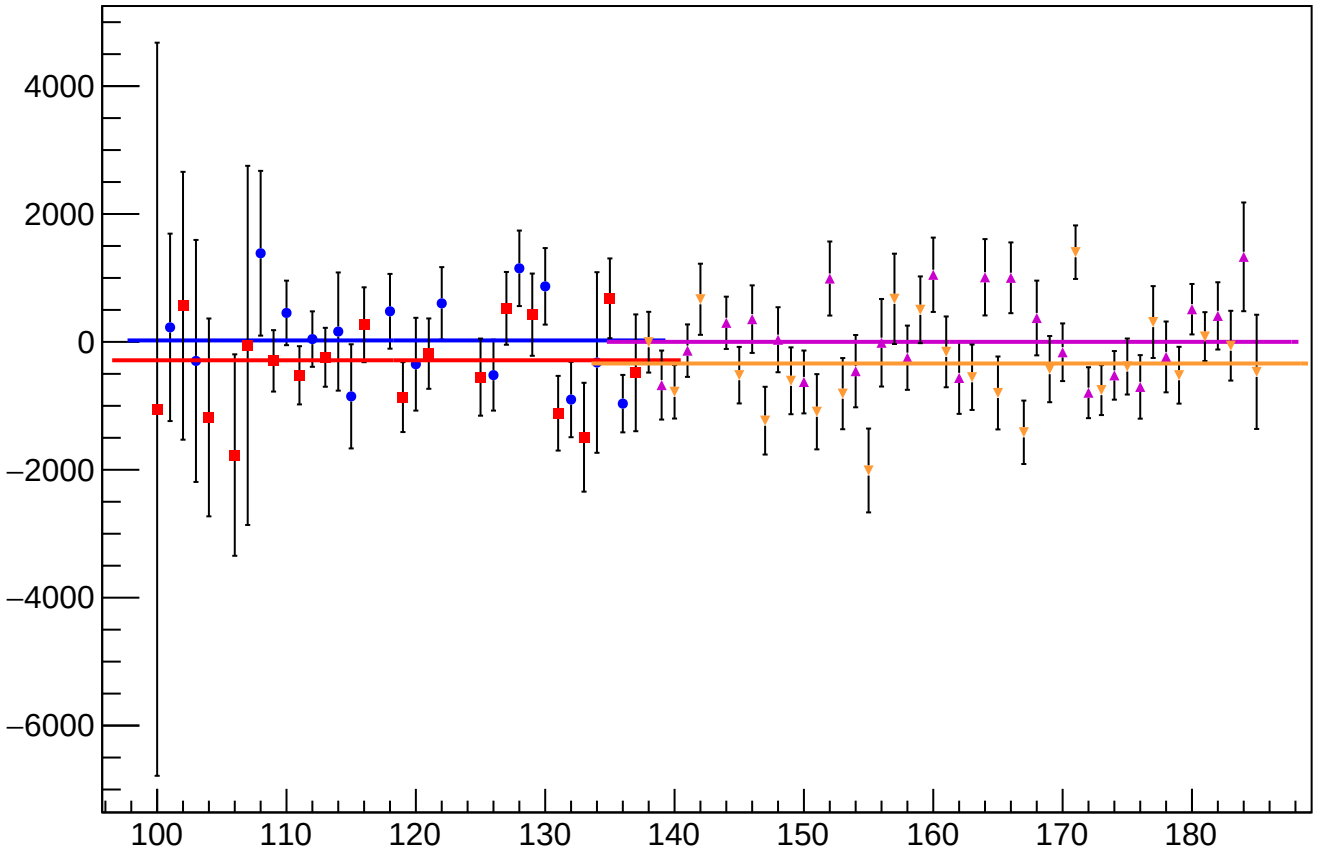
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.075+/-0.153 χ^2/NDF: 690636.6/39

All: 1093.189+/-0.109 χ^2/NDF: 982092.9/80

- 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: -337.816+/-102.601 χ^2/NDF:48.8/23

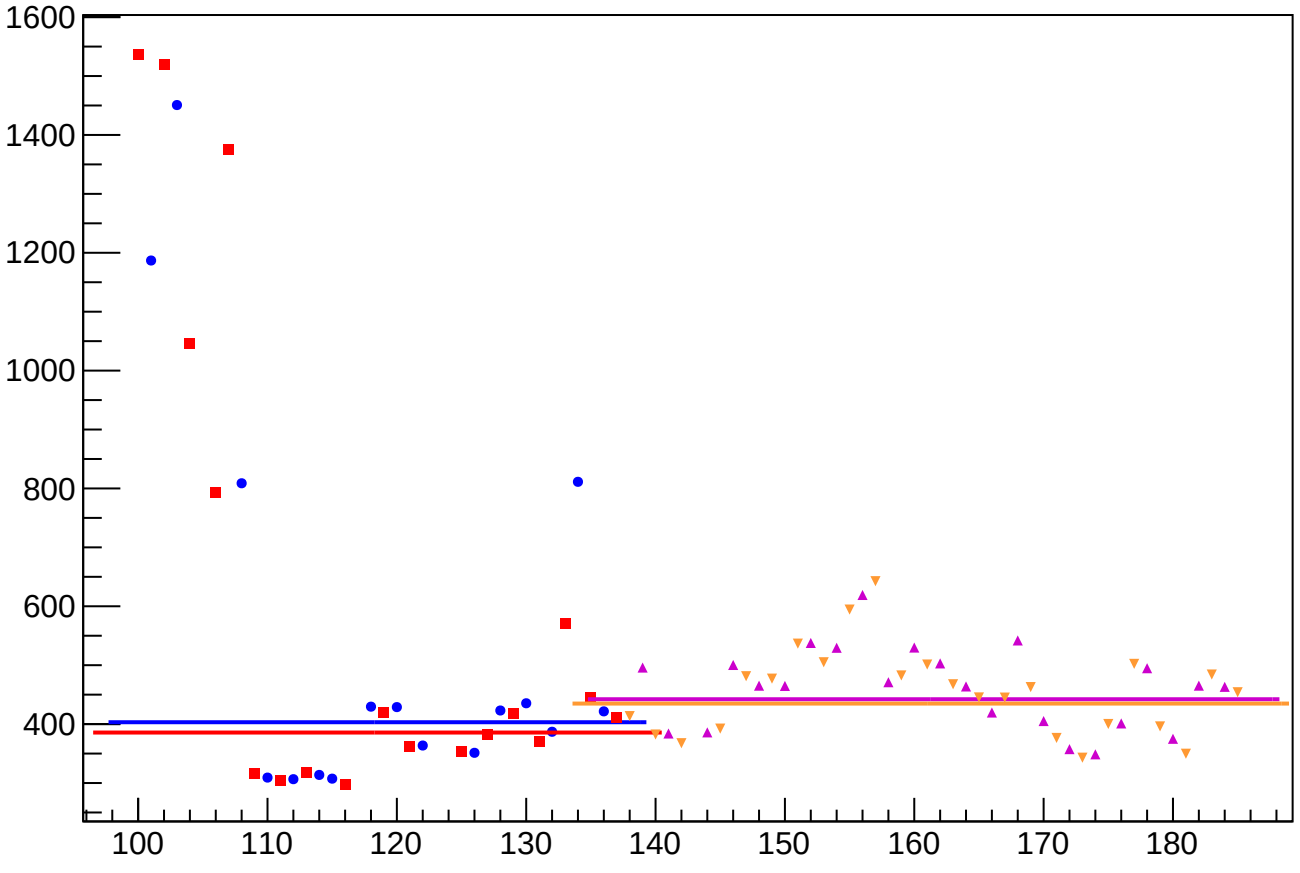
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -233.846+/-86.562 χ^2/NDF: 71.3/39

All: -161.682+/-61.359 χ^2/NDF: 120.6/80

\- 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: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

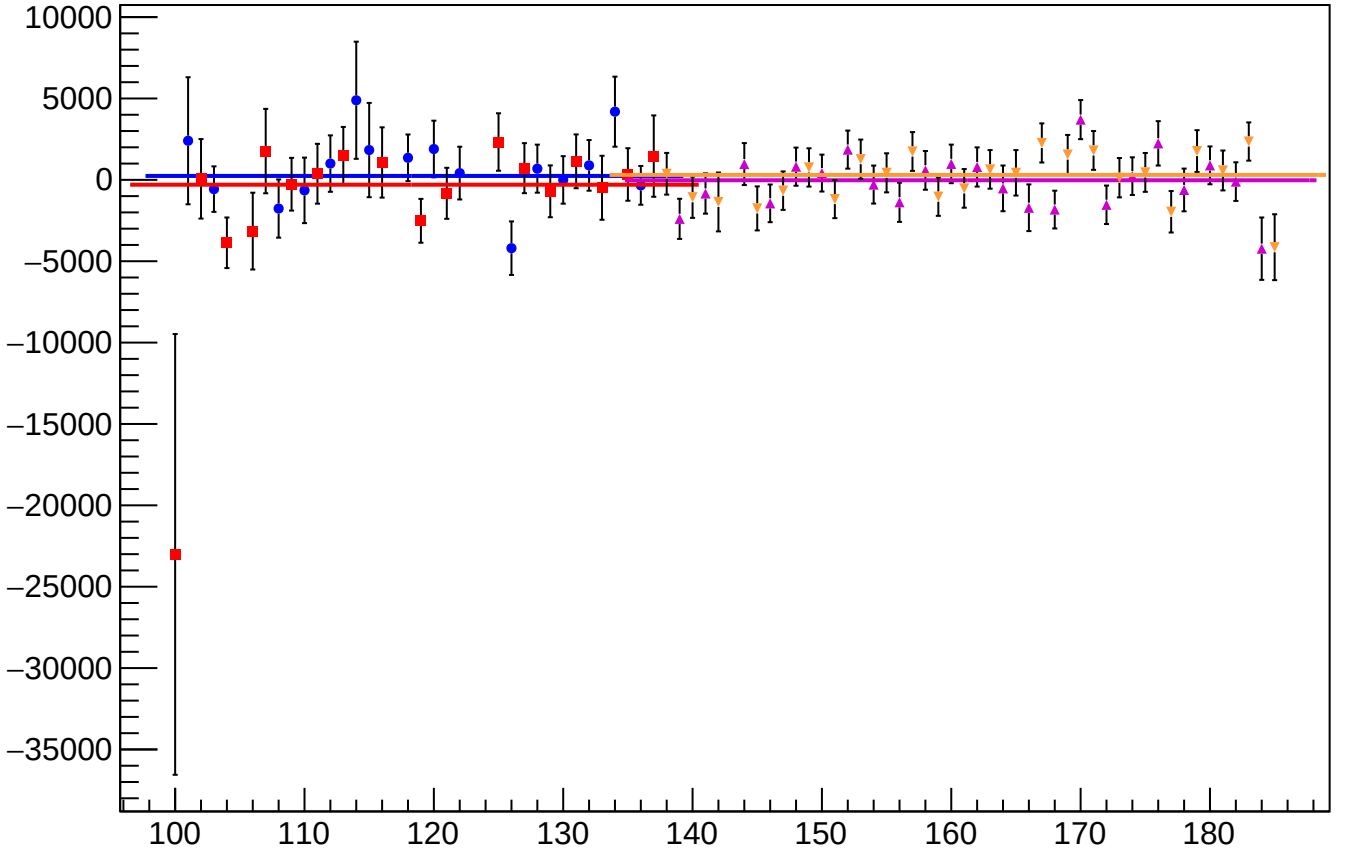
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 425.727+/-0.061 χ^2/NDF: 2745552.2/39

All: 425.206+/-0.043 χ^2/NDF: 5499374.0/80

- 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: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

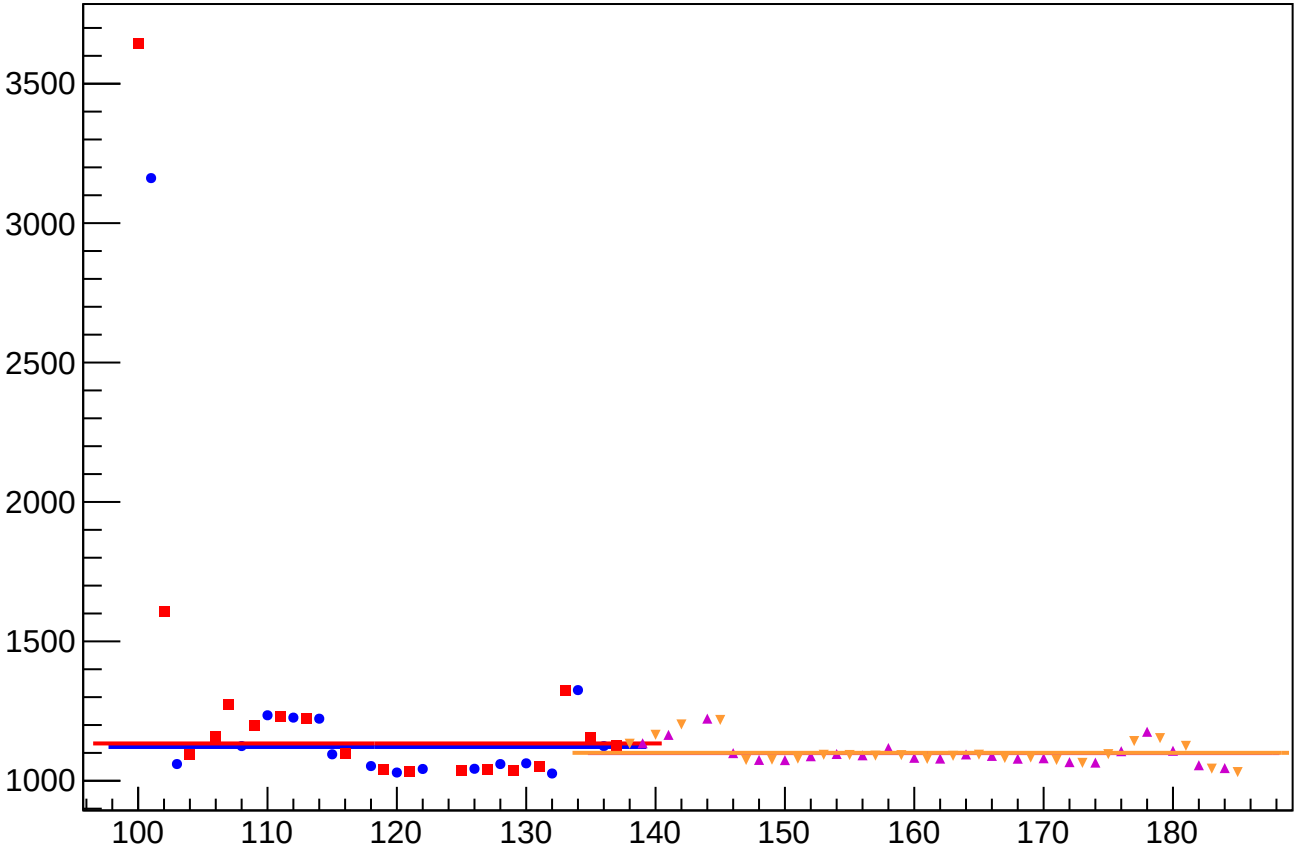
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 286.877+/-219.228 χ^2/NDF: 45.4/39

All: 96.111+/-155.507 χ^2/NDF: 101.8/80

- 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: 1100.258+/-0.181 χ^2/NDF:48774.1/23

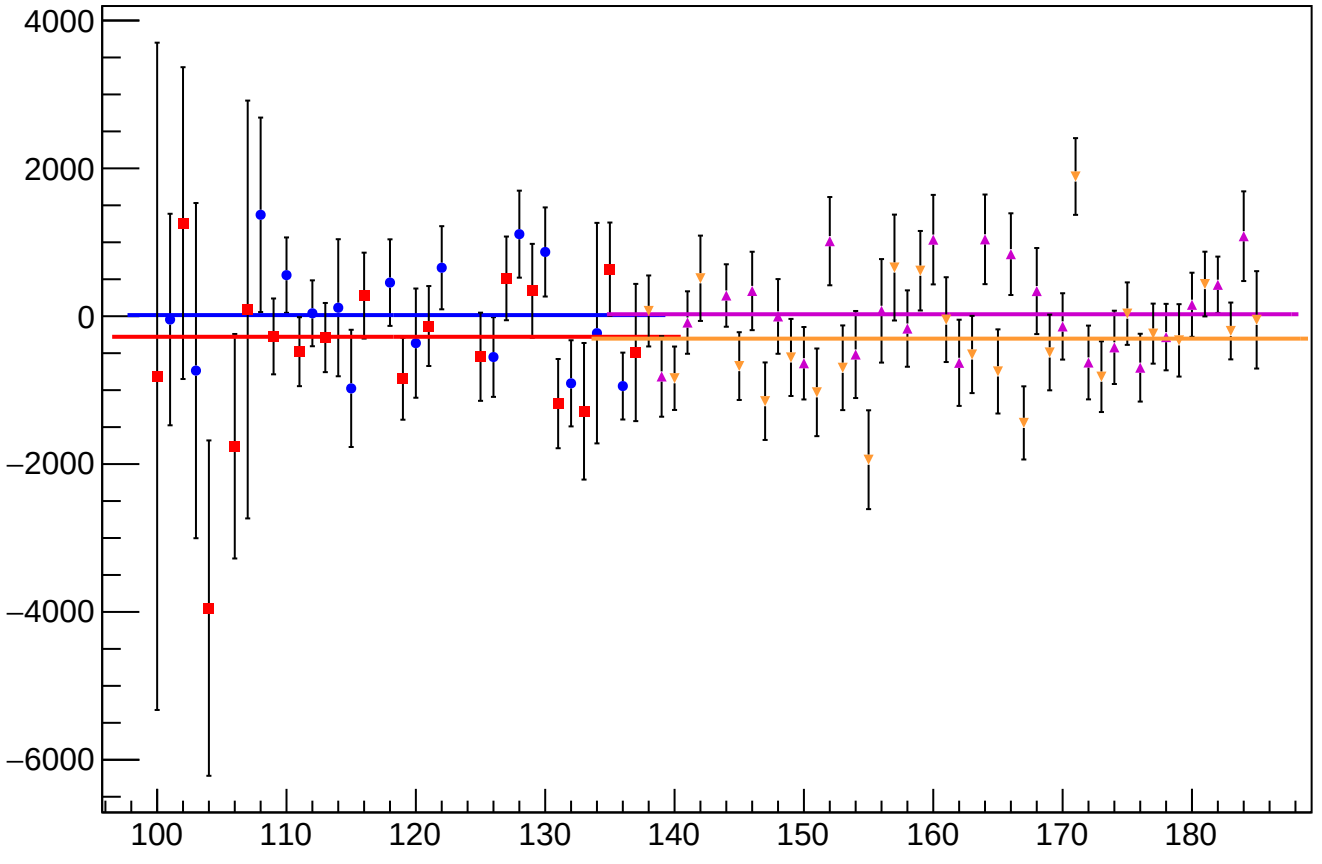
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1105.814+/-0.155 χ^2/NDF: 669381.4/39

All: 1107.106+/-0.110 χ^2/NDF: 951275.5/80

- 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: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

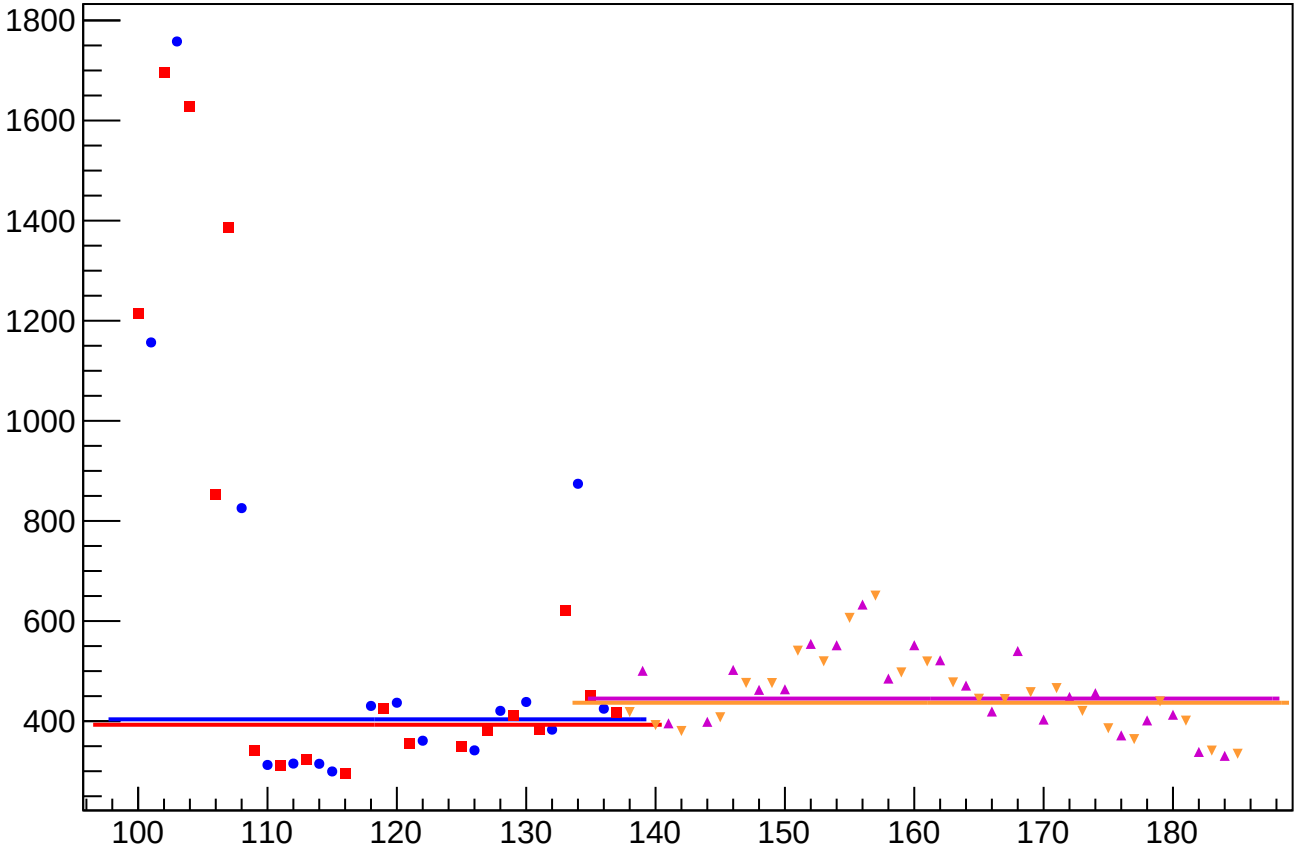
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

\+ sign -211.428+/-86.883 χ^2/NDF: 71.9/39

All: -139.769+/-61.769 χ^2/NDF: 118.8/80

\- sign -66.533+/-87.833 χ^2/NDF: 45.5/40

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

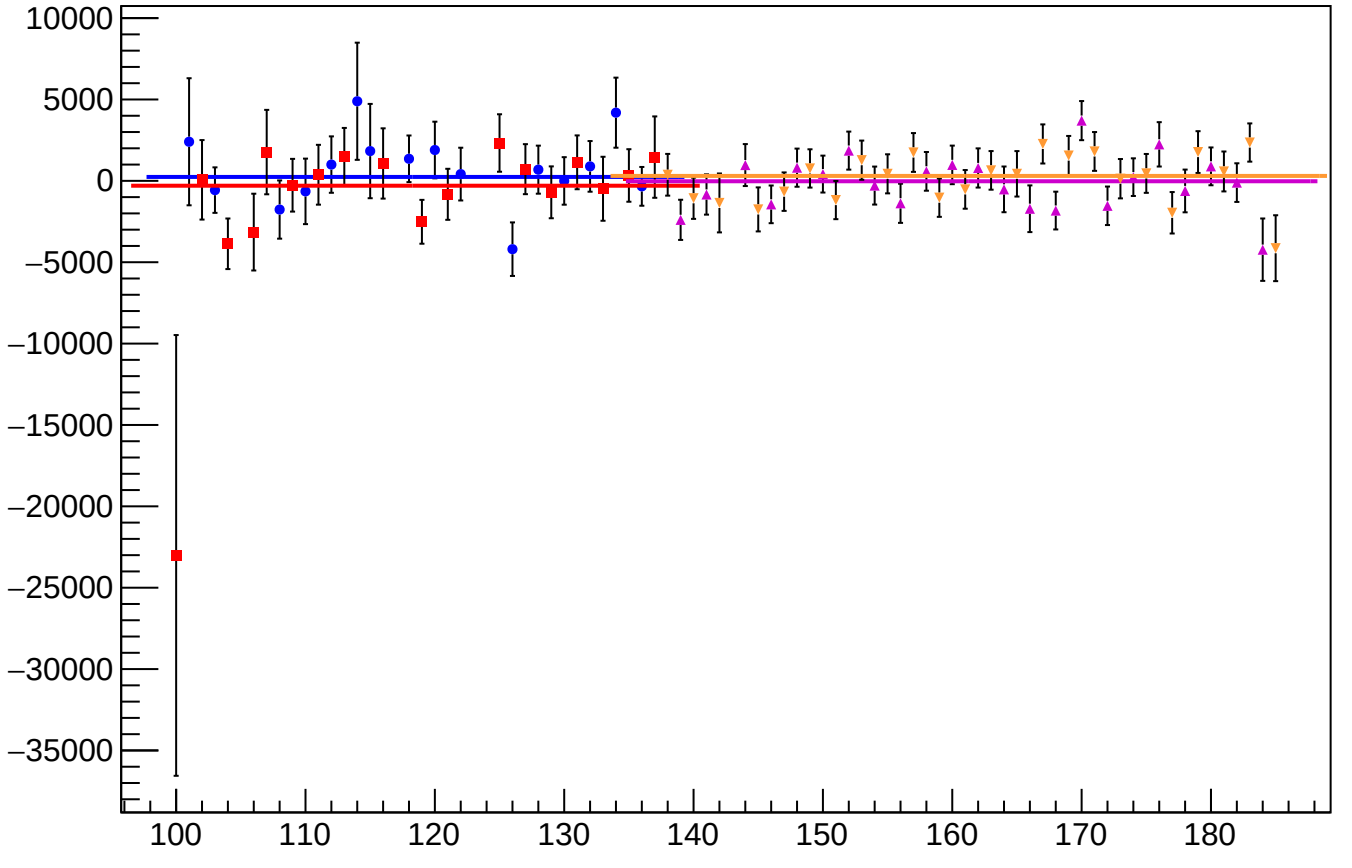
Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

\+ sign 427.239+/-0.061 χ^2/NDF: 2844462.4/39

All: 428.168+/-0.044 χ^2/NDF: 6073389.2/80

\- sign 429.118+/-0.062 χ^2/NDF: 3228464.3/40



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

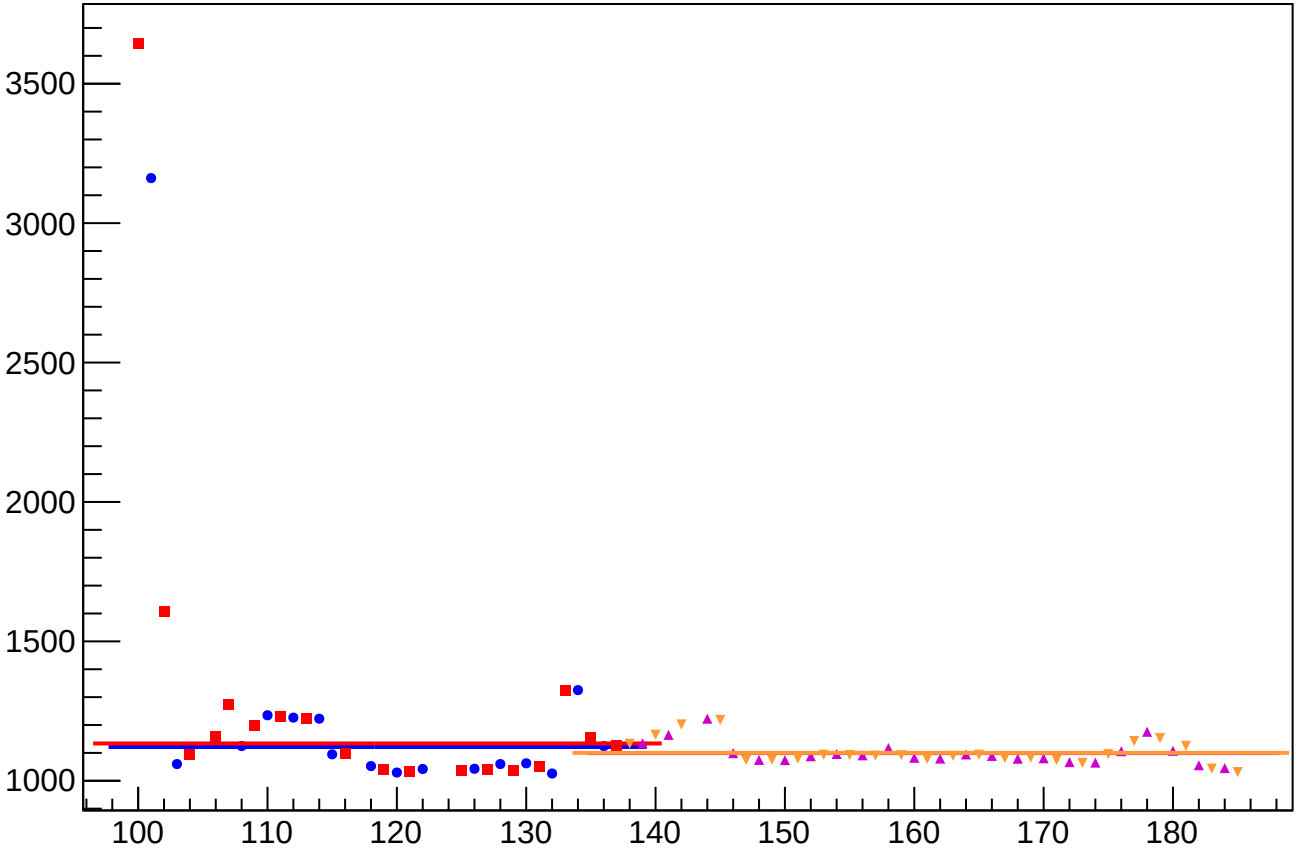
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 286.876+/-219.228 χ^2/NDF: 45.4/39

All: 96.110+/-155.507 χ^2/NDF: 101.8/80

- 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: 1100.258+/-0.181 χ^2/NDF:48774.3/23

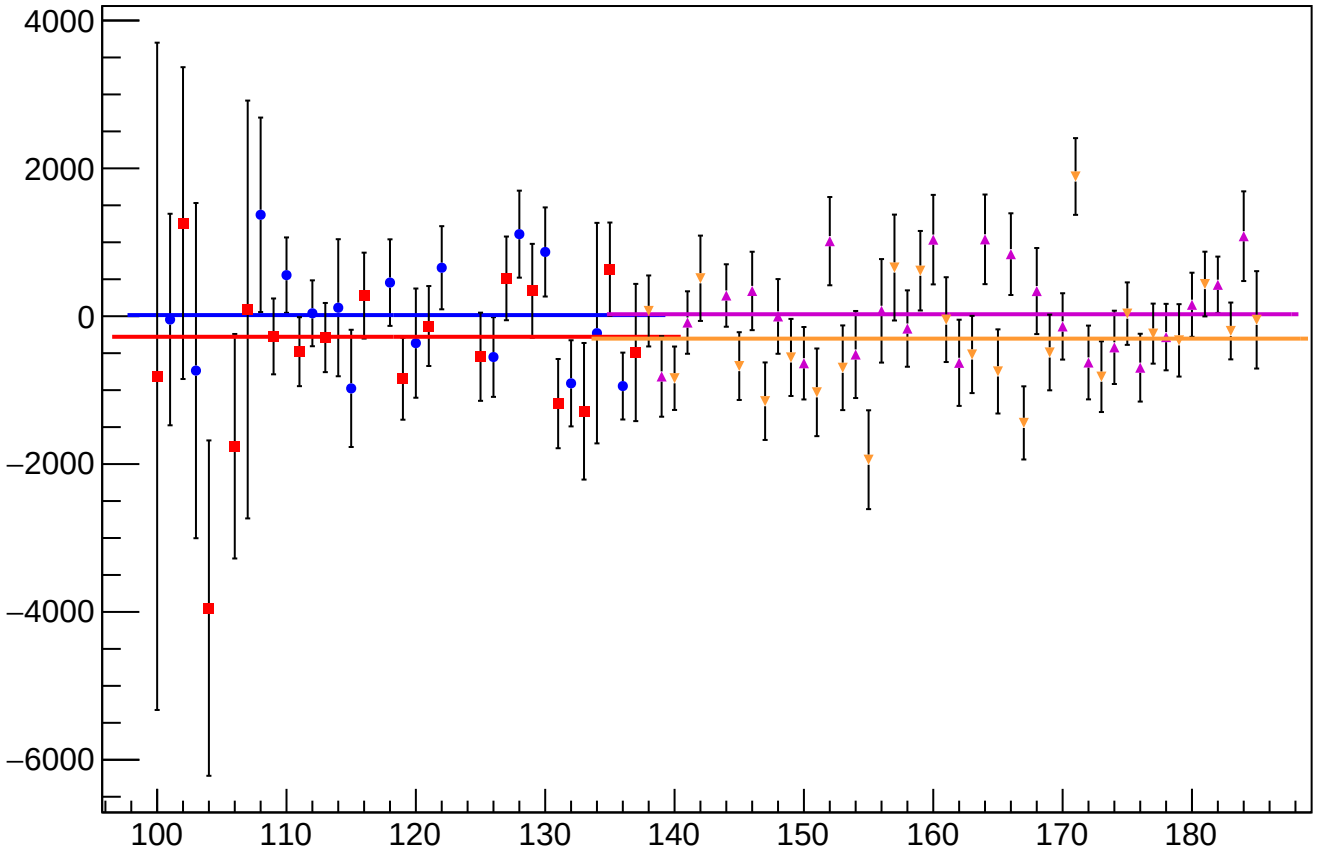
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1105.814+/-0.155 χ^2/NDF: 669381.6/39

All: 1107.106+/-0.110 χ^2/NDF: 951276.0/80

- 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: -303.218+/-102.979 χ^2/NDF:49.5/23

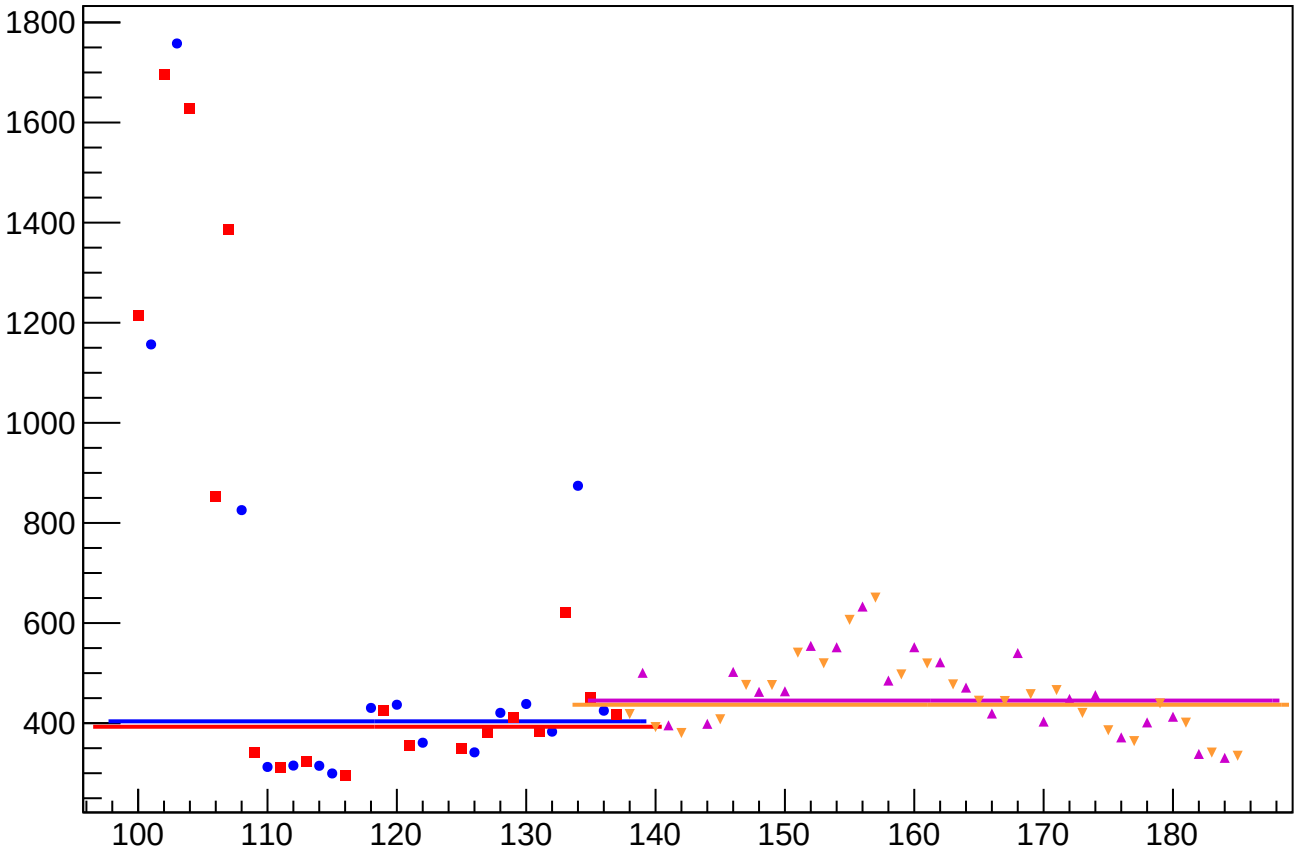
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -211.429+/-86.883 χ^2/NDF: 71.9/39

All: -139.770+/-61.769 χ^2/NDF: 118.8/80

- 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: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

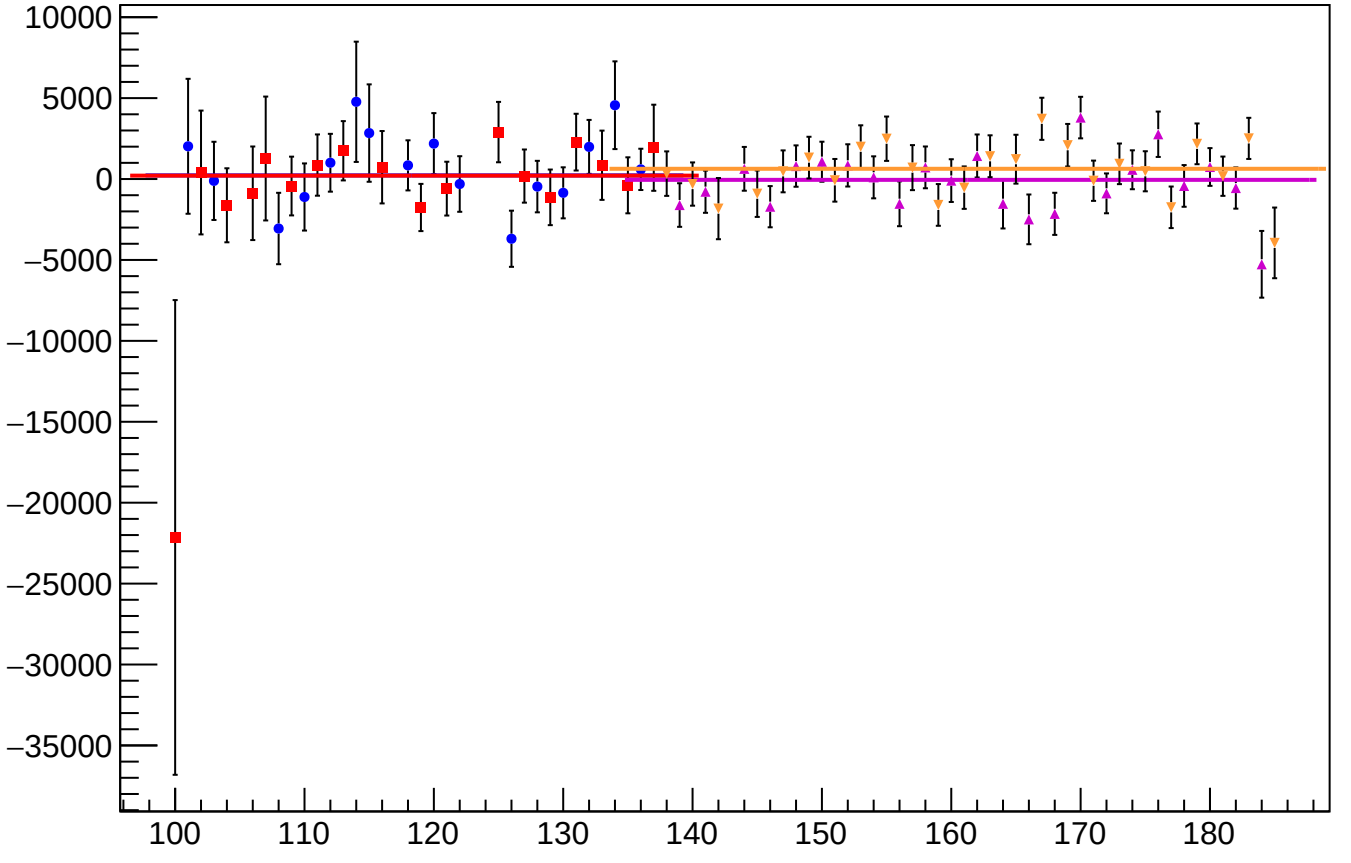
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 427.238+/-0.061 χ^2/NDF: 2844499.6/39

All: 428.167+/-0.044 χ^2/NDF: 6073484.4/80

- 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: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

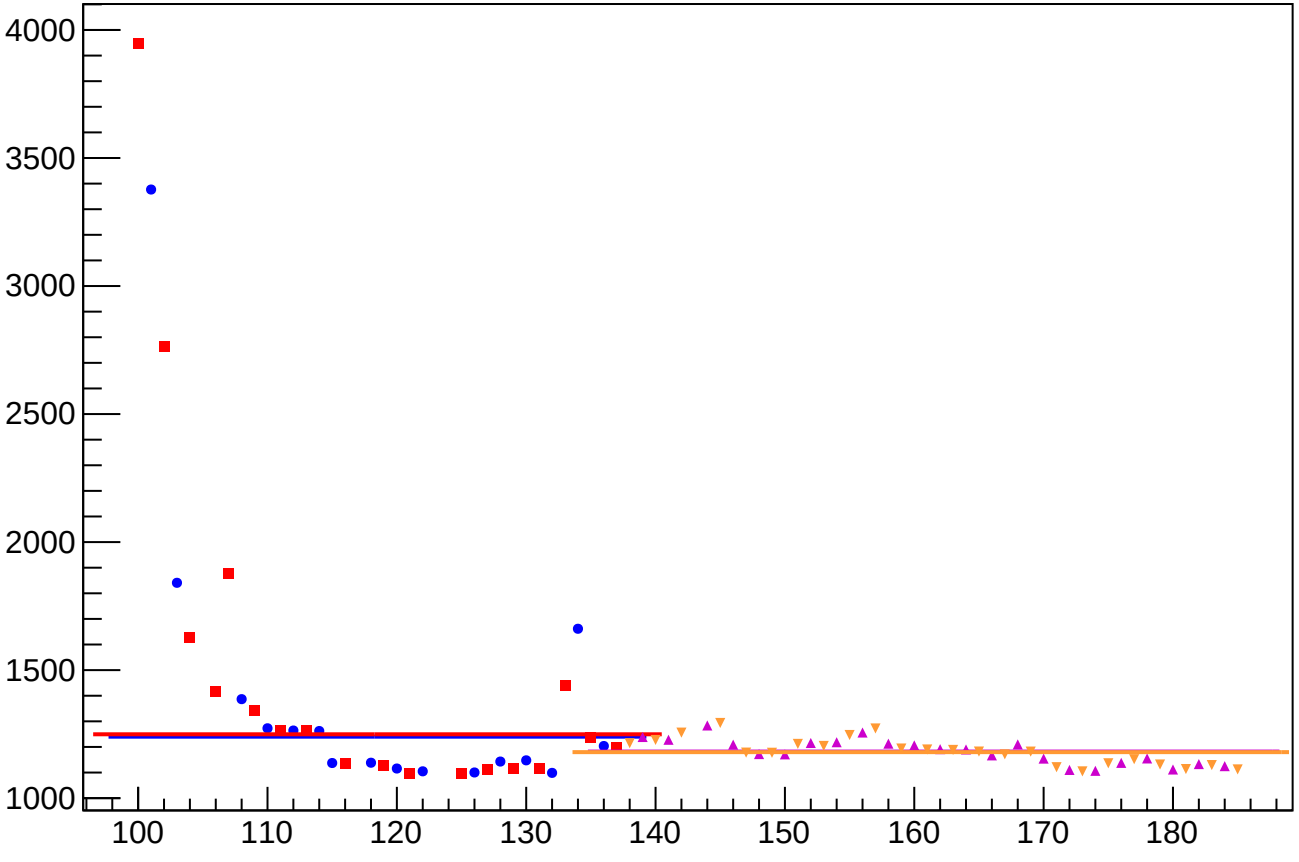
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

\+ sign 530.819+/-237.327 χ^2/NDF: 46.8/39

All: 274.583+/-168.450 χ^2/NDF: 95.3/80

\- 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: 1179.713+/-0.194 χ^2/NDF:64667.7/23

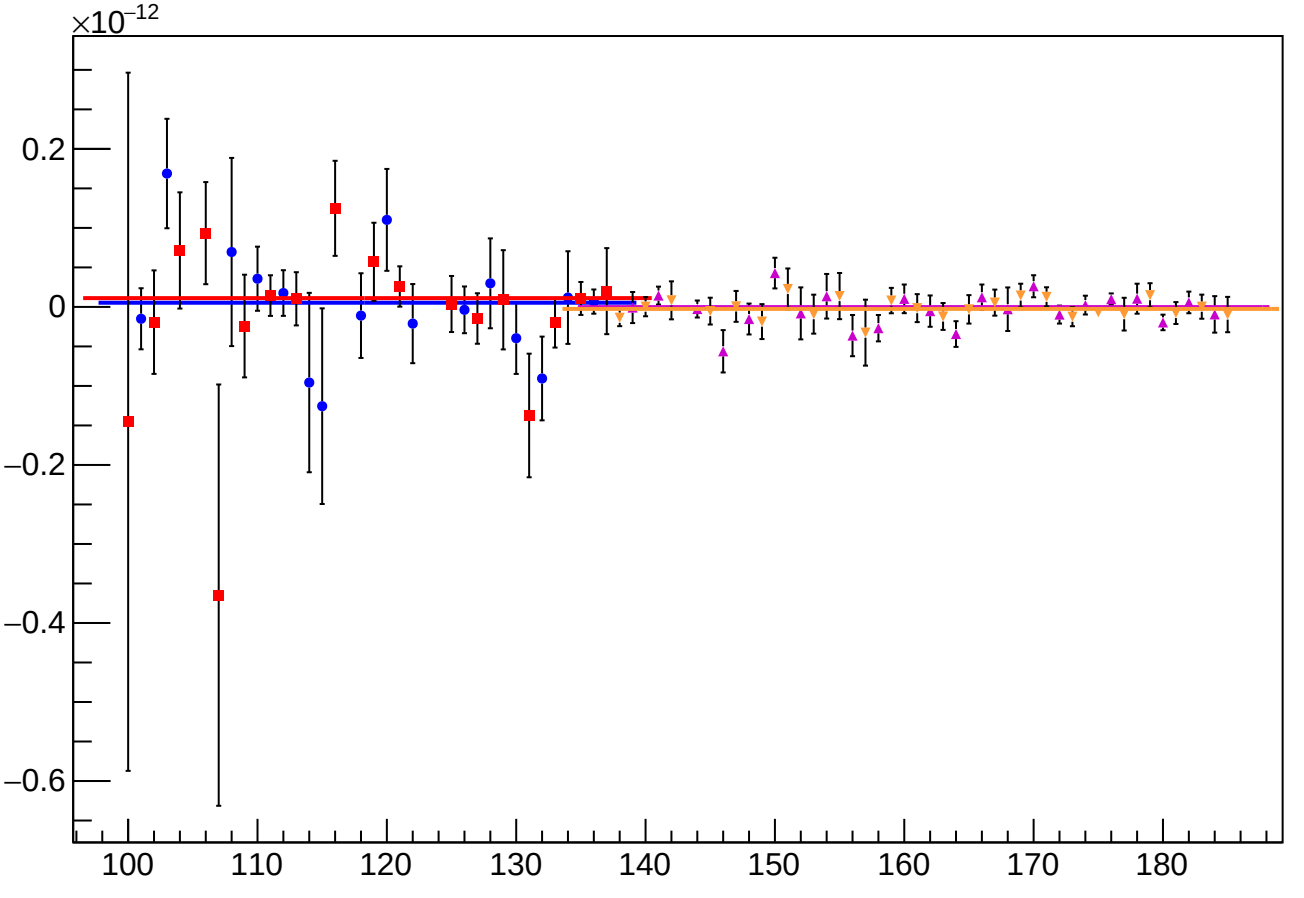
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1194.826+/-0.168 χ^2/NDF: 871664.4/39

All: 1196.813+/-0.119 χ^2/NDF: 1568301.6/80

- 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:10.5/23

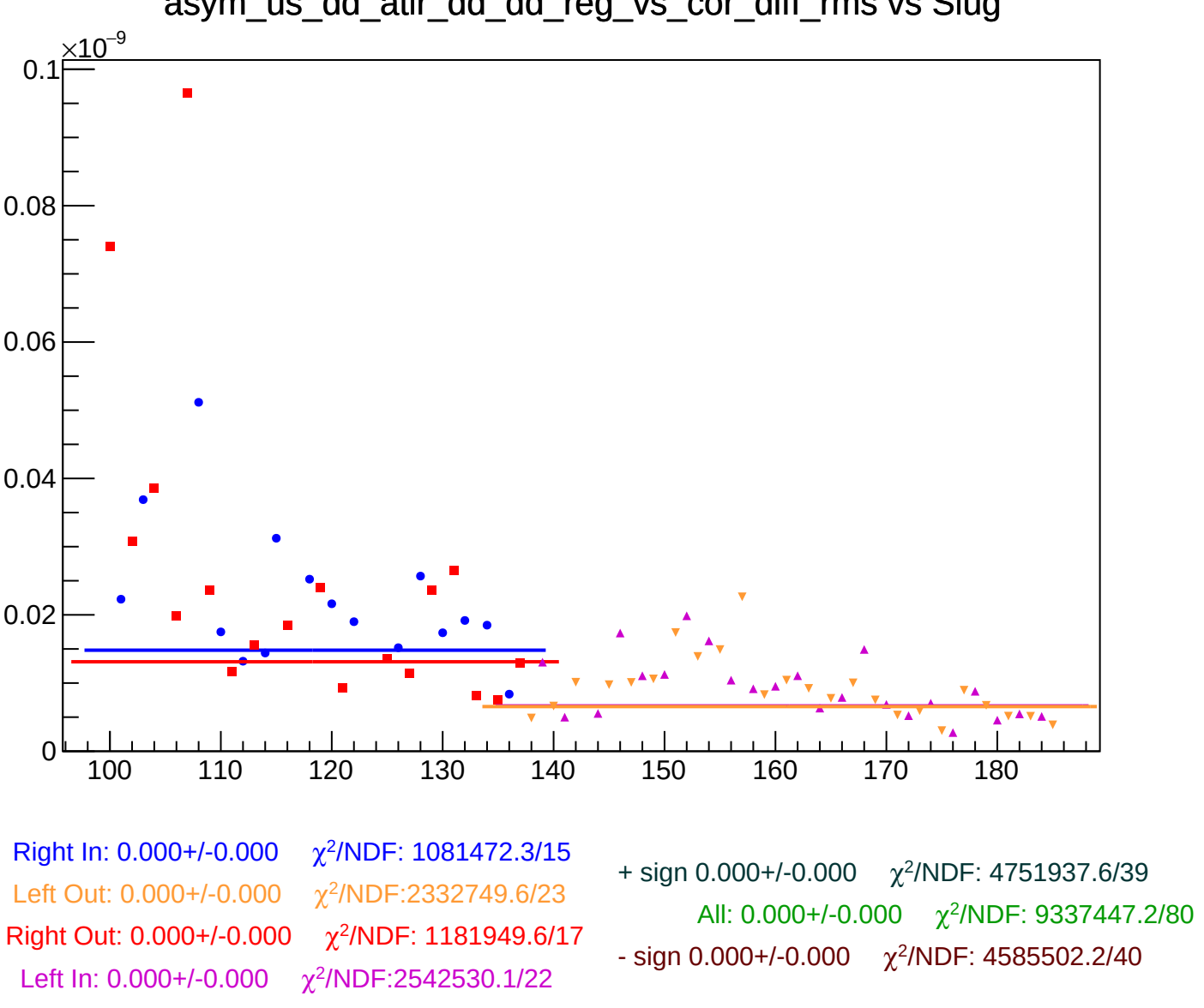
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

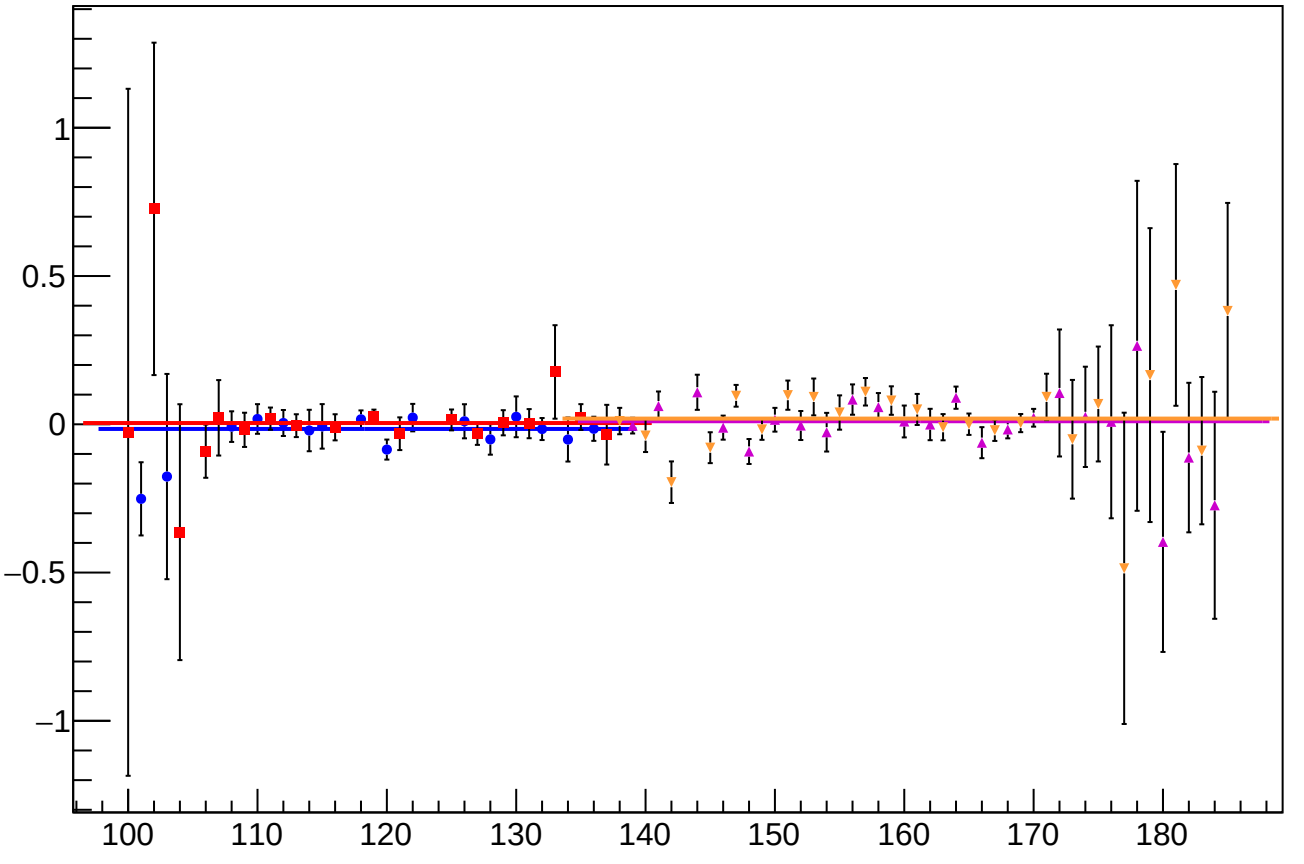
Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.4/39

All: -0.000+/-0.000 χ^2/NDF: 76.8/80

- 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:2332749.6/23
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: 4751937.6/39
All: 0.000+/-0.000 χ²/NDF: 9337447.2/80
- 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:35.9/23

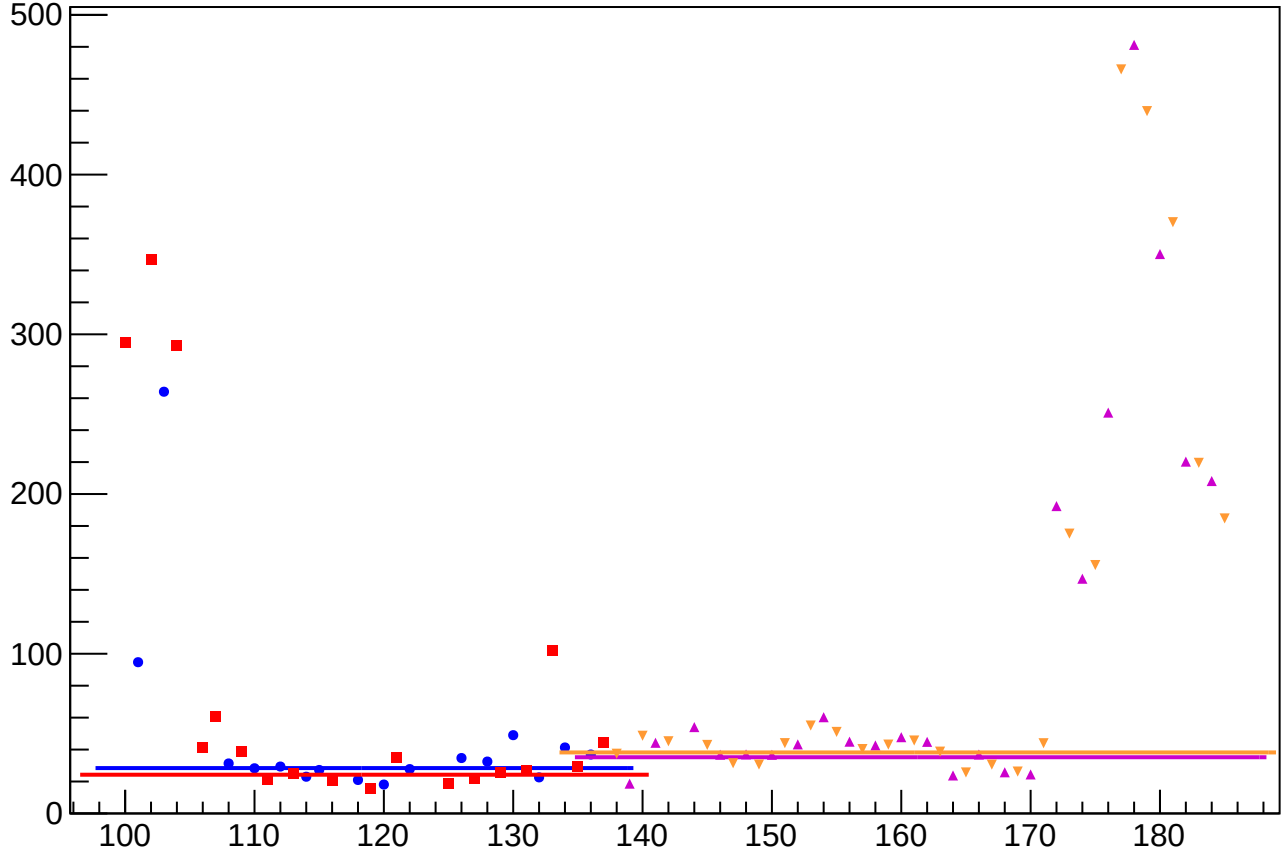
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/39

All: 0.006+/-0.006 χ^2/NDF: 84.1/80

- 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: 38.211+/-0.008 χ^2/NDF:8285024.8/23

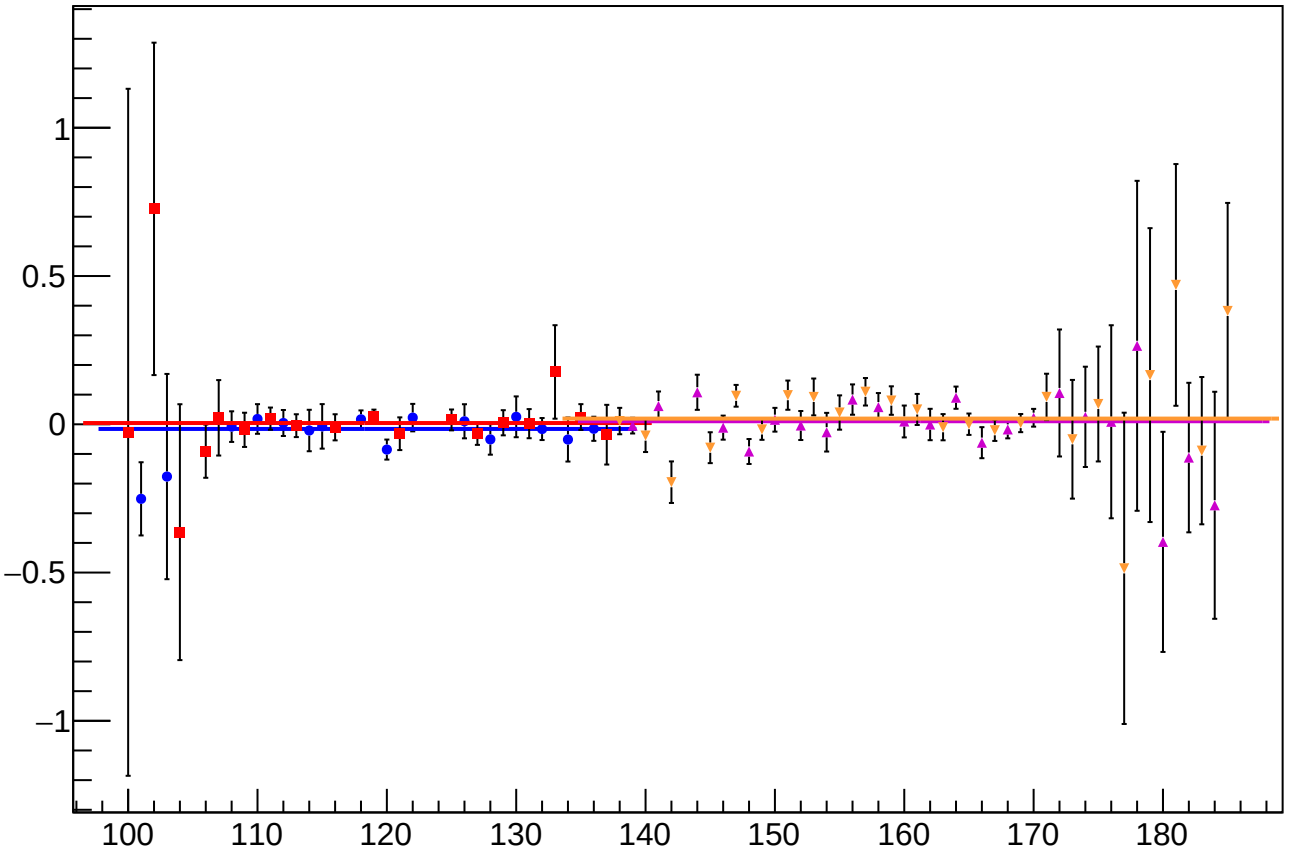
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

\+ sign 33.944+/-0.006 χ^2/NDF: 11246633.1/39

All: 32.019+/-0.004 χ^2/NDF: 24776419.5/80

\- 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:35.9/23

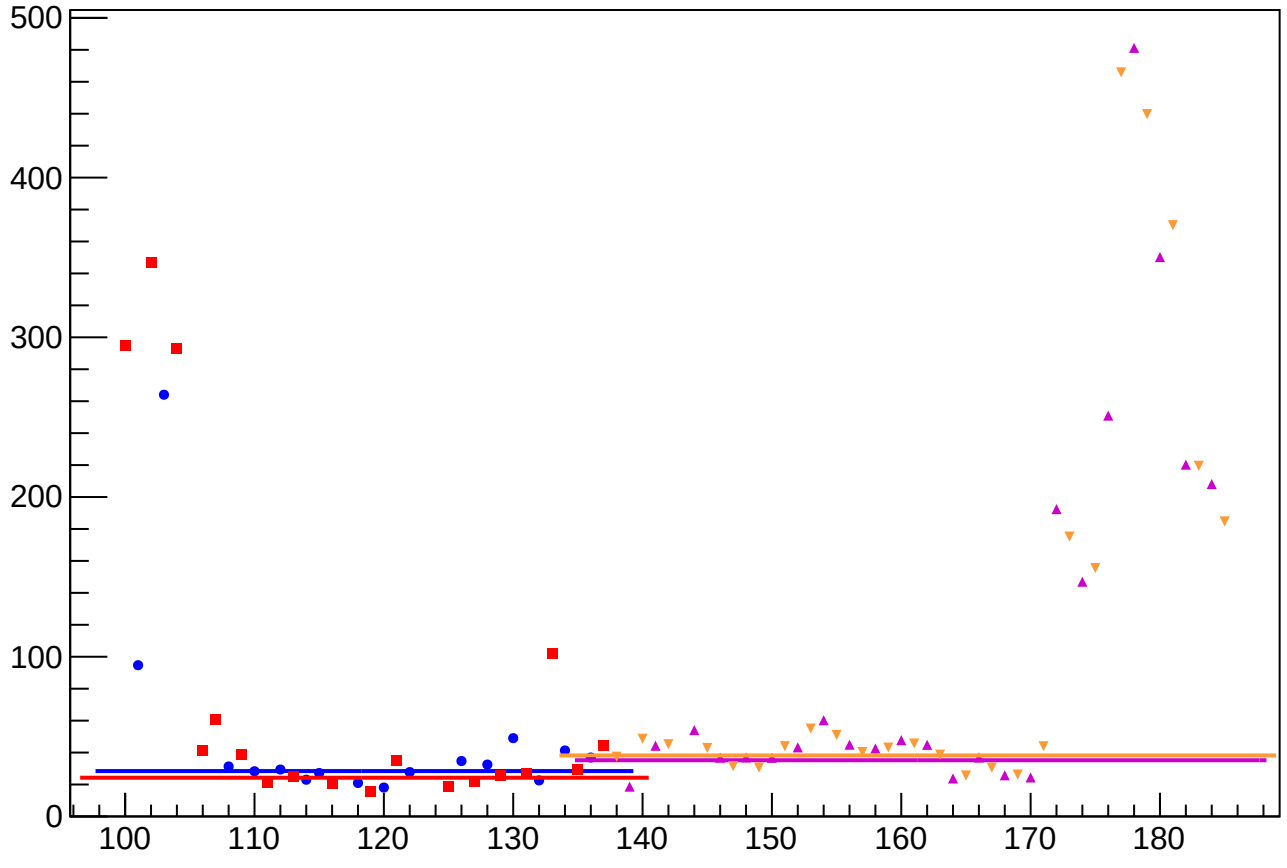
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/39

All: 0.006+/-0.006 χ^2/NDF: 84.1/80

- 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: 38.211+/-0.008 χ^2/NDF:8285024.8/23

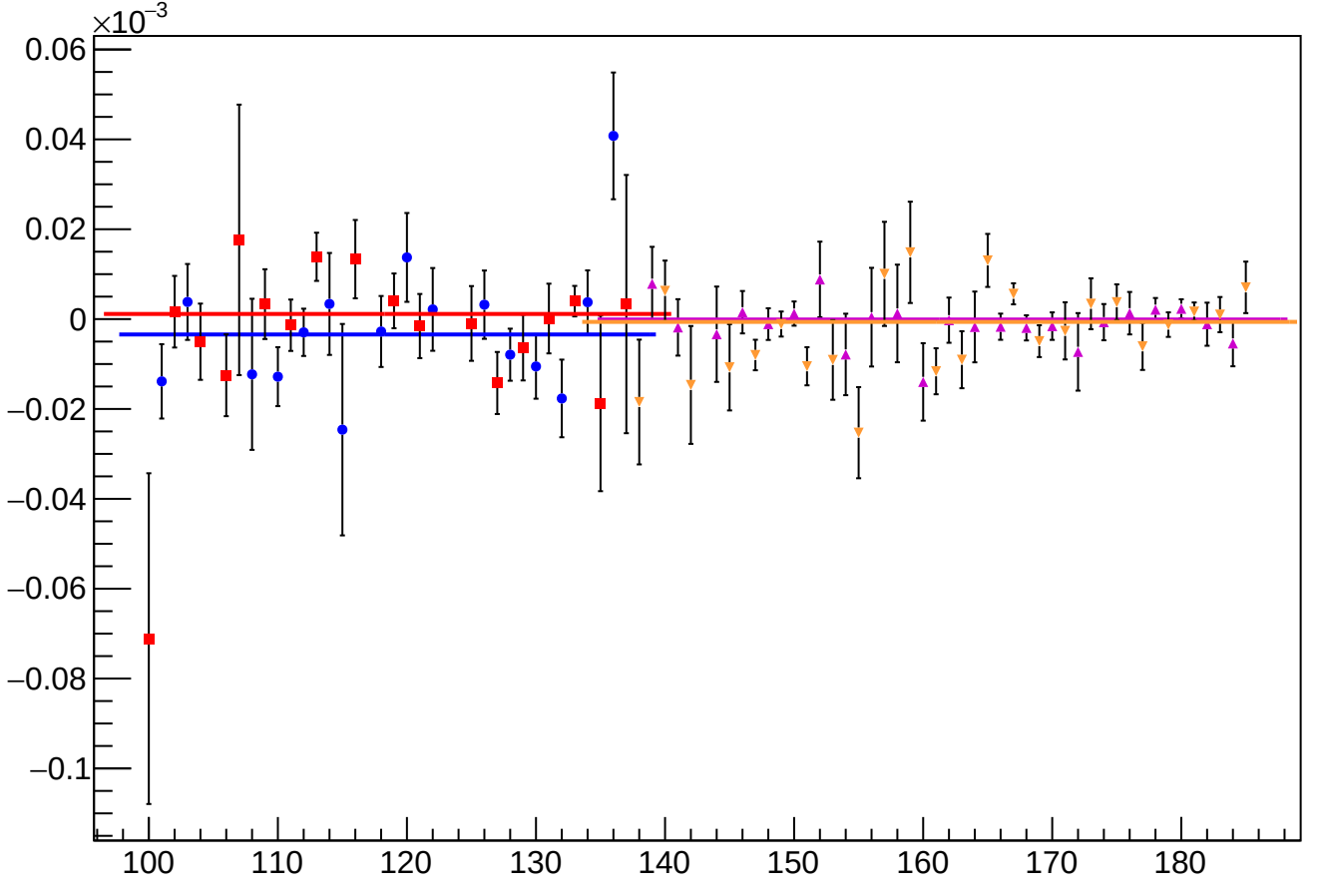
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.944+/-0.006 χ^2/NDF: 11246633.1/39

All: 32.019+/-0.004 χ^2/NDF: 24776419.5/80

- 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:51.2/23

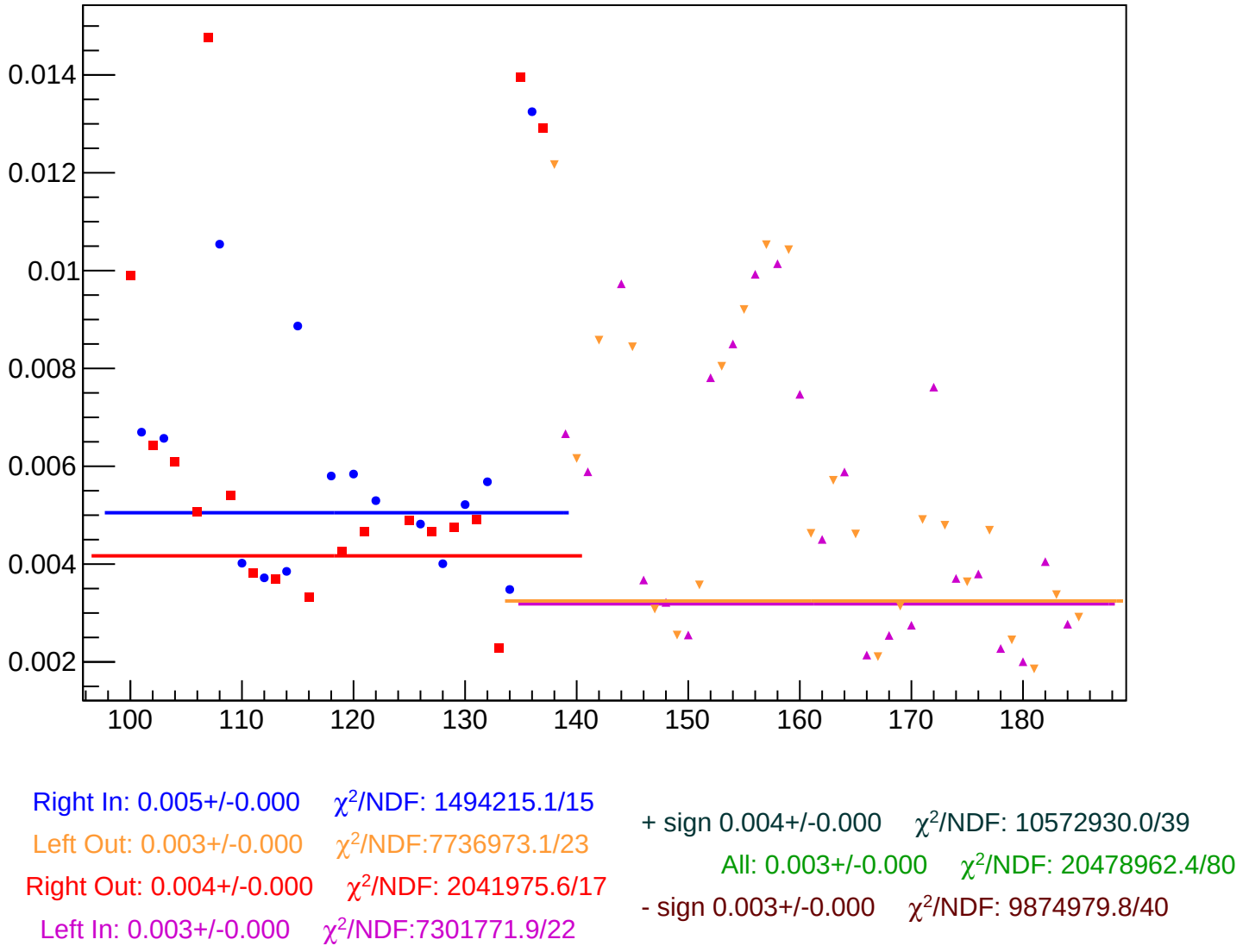
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

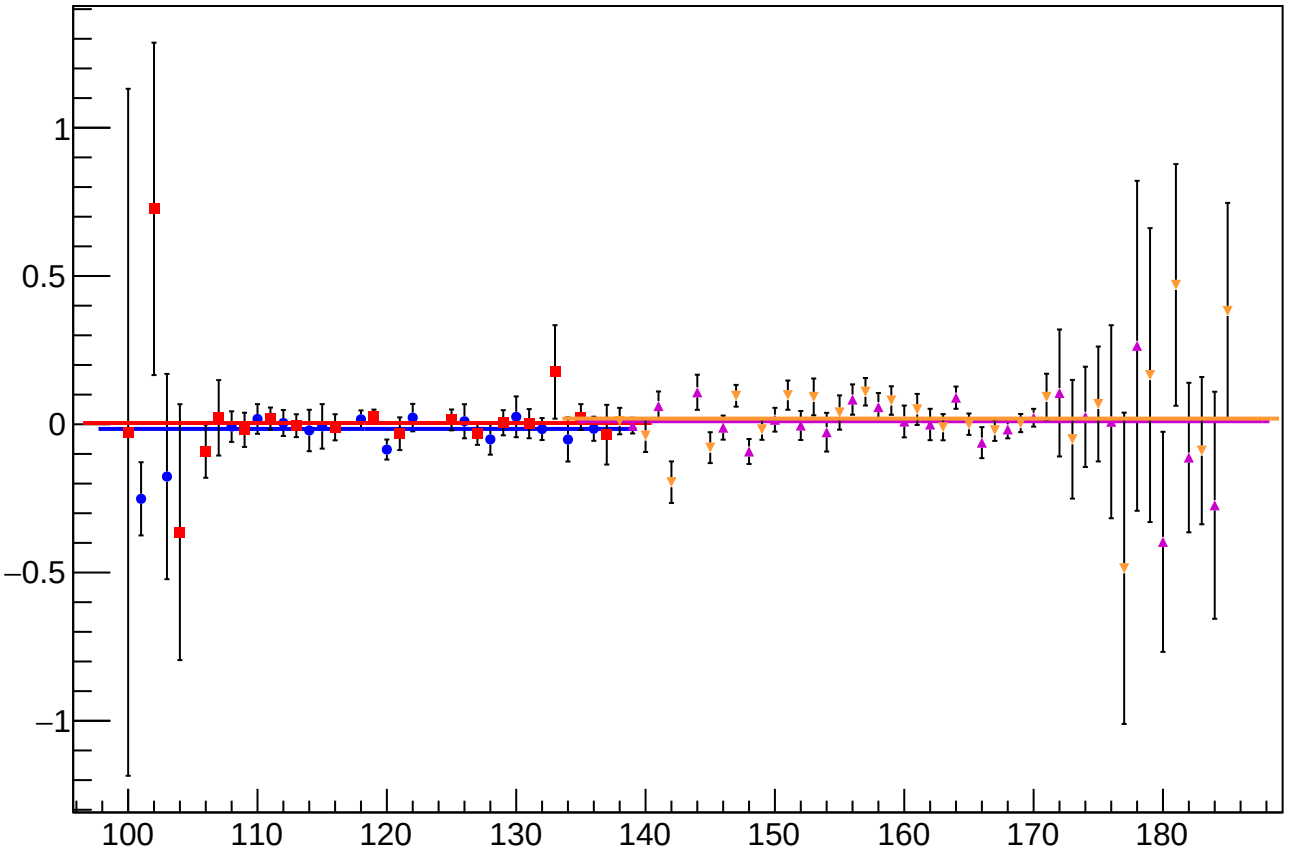
Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.9/39

All: -0.000+/-0.000 χ^2/NDF: 113.5/80

- 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:7736973.1/23
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: 10572930.0/39
All: 0.003+/-0.000 χ²/NDF: 20478962.4/80
- 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:35.9/23

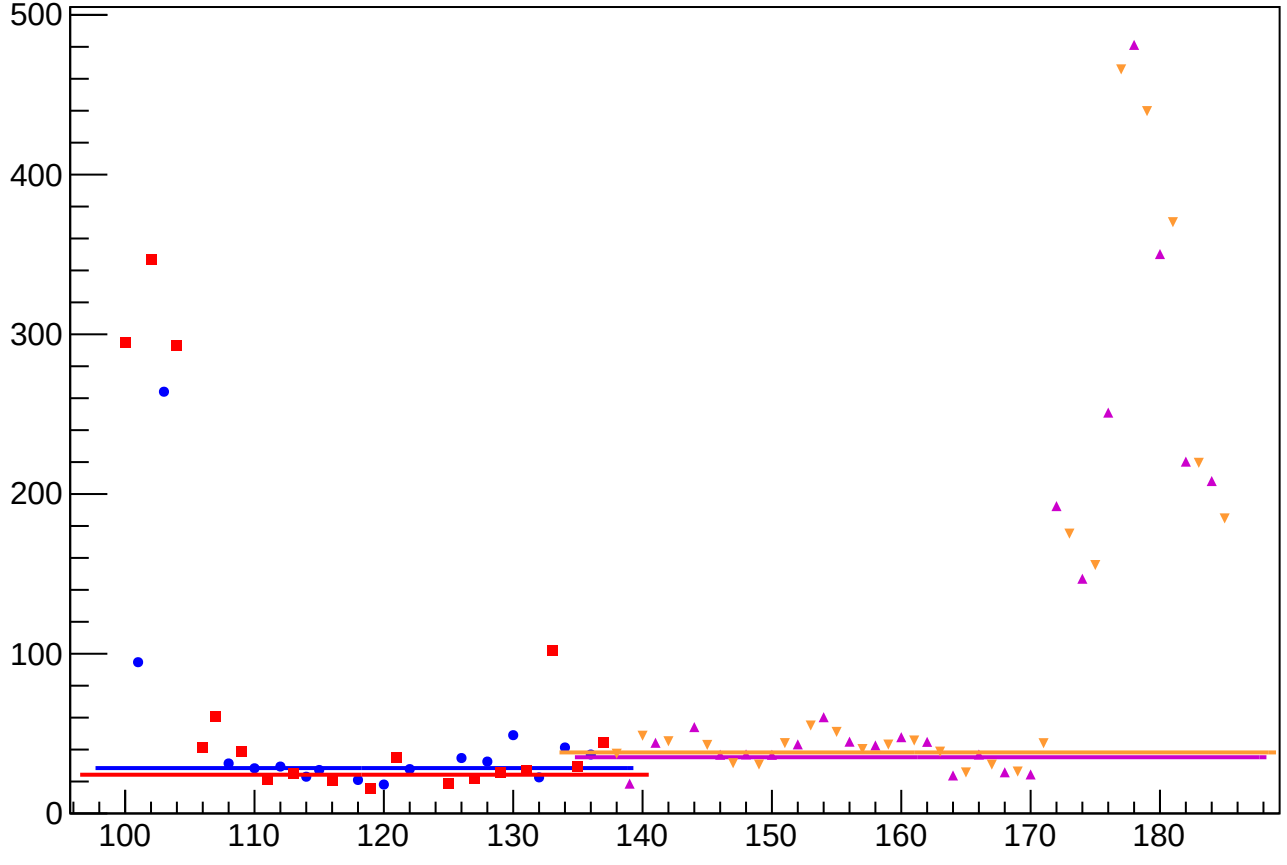
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/39

All: 0.006+/-0.006 χ^2/NDF: 84.1/80

- 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: 38.210+/-0.008 χ^2/NDF:8285200.7/23

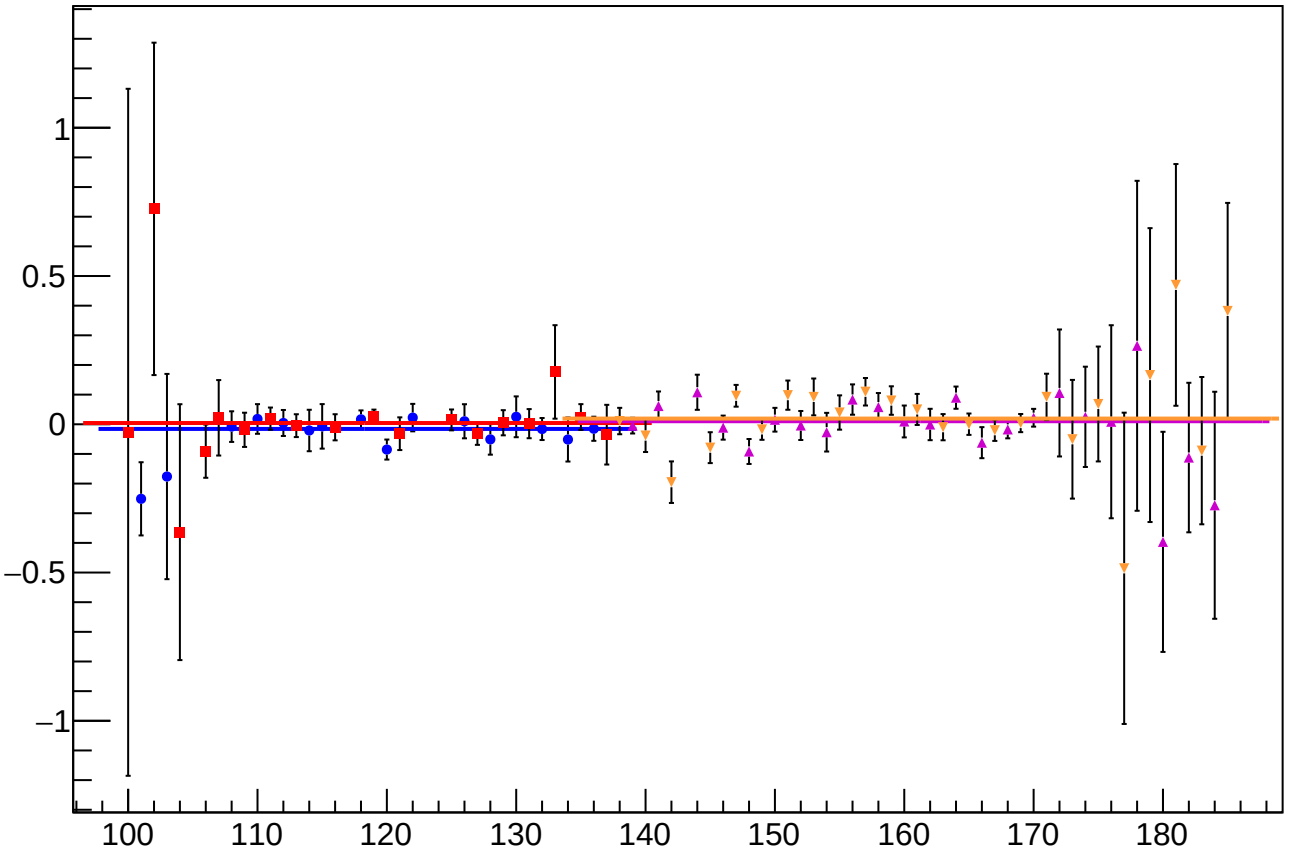
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

\+ sign 33.944+/-0.006 χ^2/NDF: 11246785.6/39

All: 32.018+/-0.004 χ^2/NDF: 24777641.0/80

\- 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:35.9/23

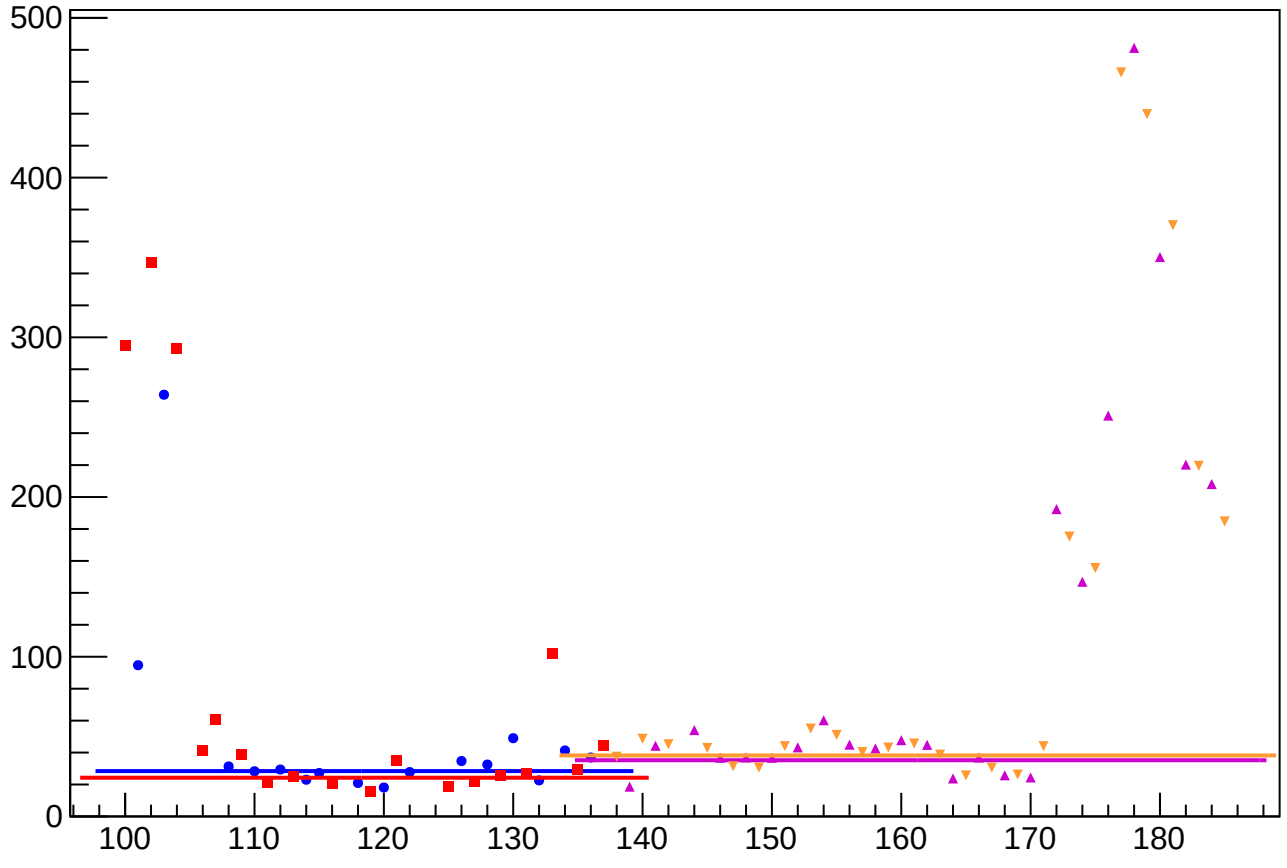
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/39

All: 0.006+/-0.006 χ^2/NDF: 84.1/80

- 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: 38.210+/-0.008 χ^2/NDF:8285200.7/23

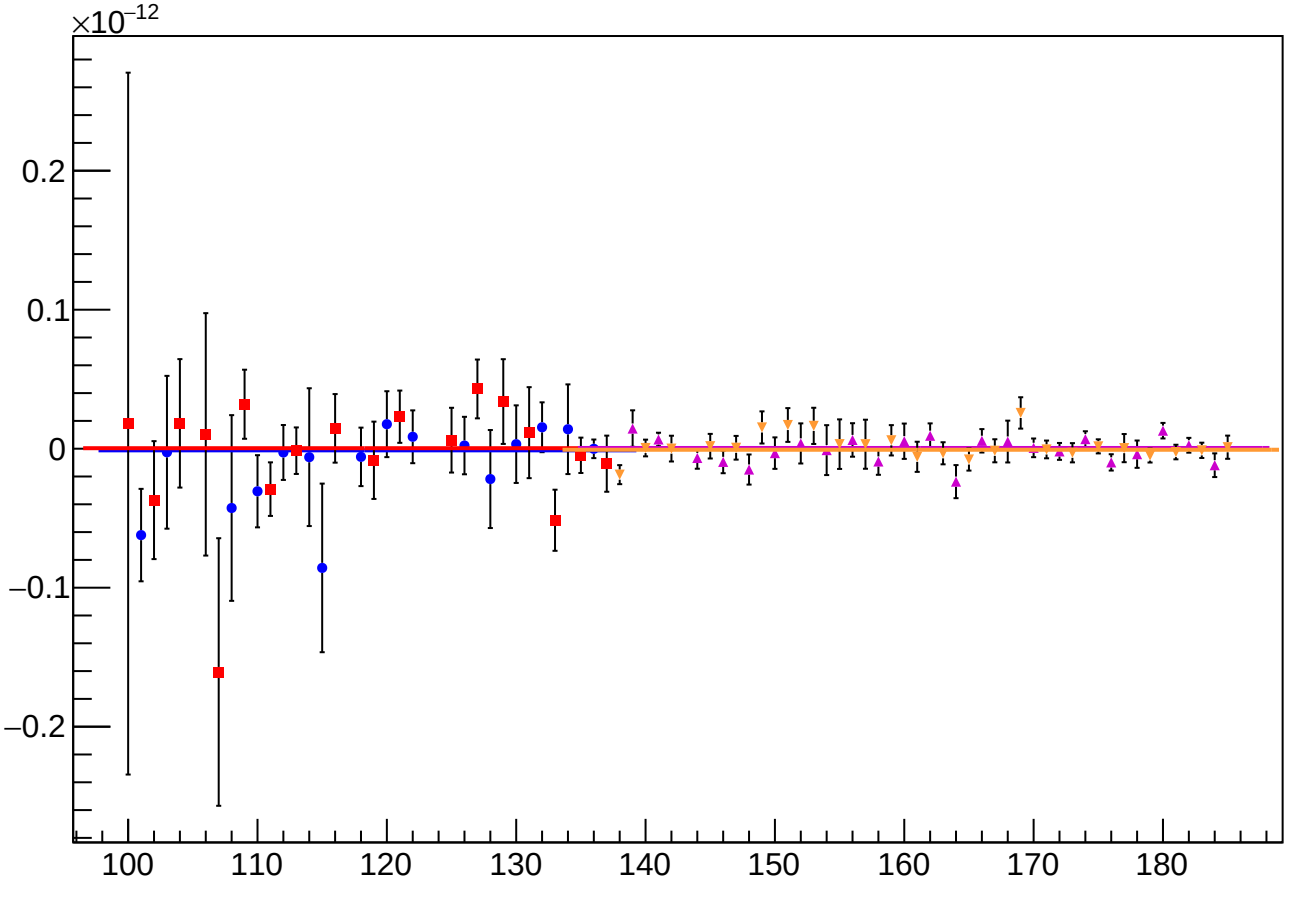
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.944+/-0.006 χ^2/NDF: 11246785.6/39

All: 32.018+/-0.004 χ^2/NDF: 24777641.0/80

- 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:21.1/23

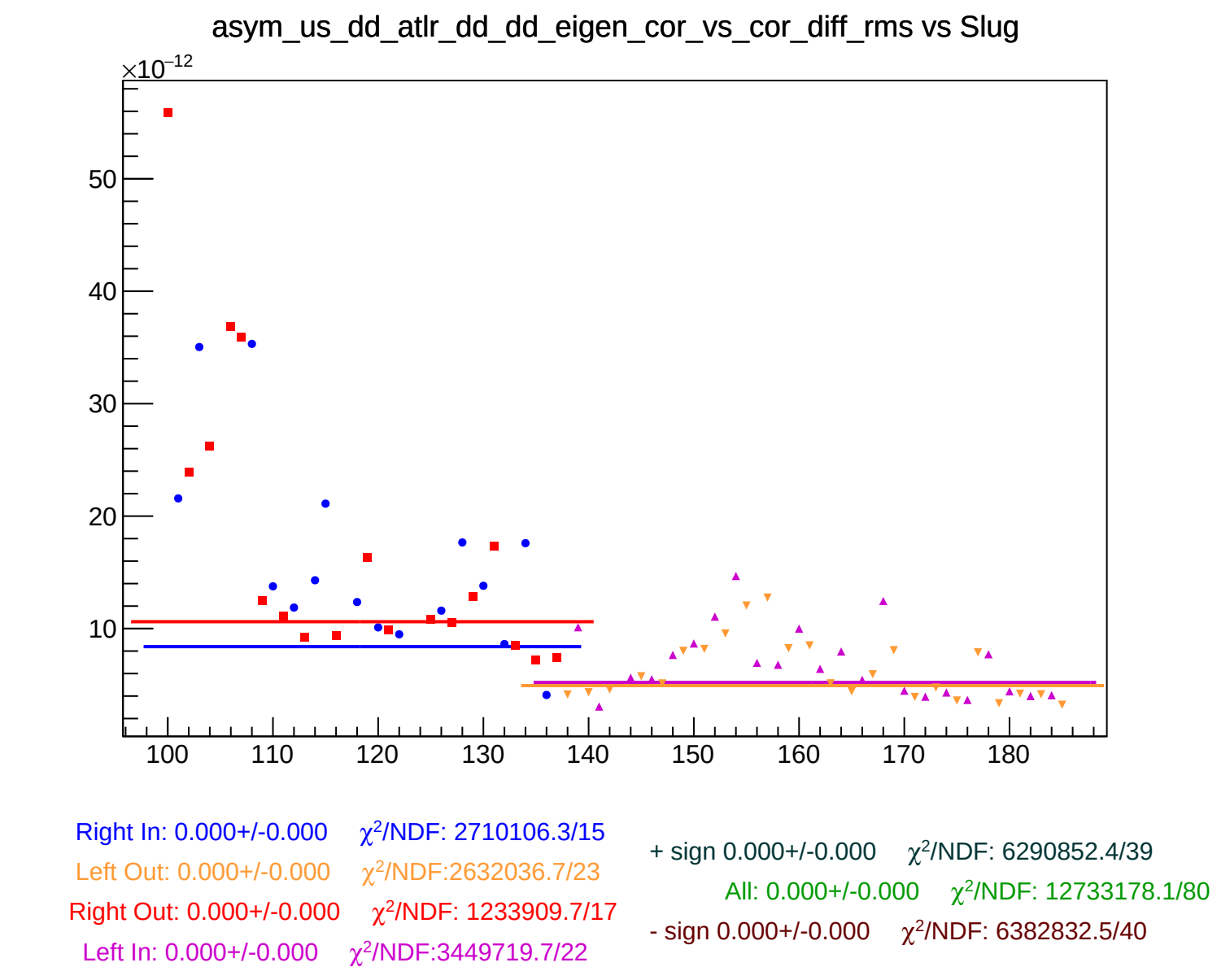
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

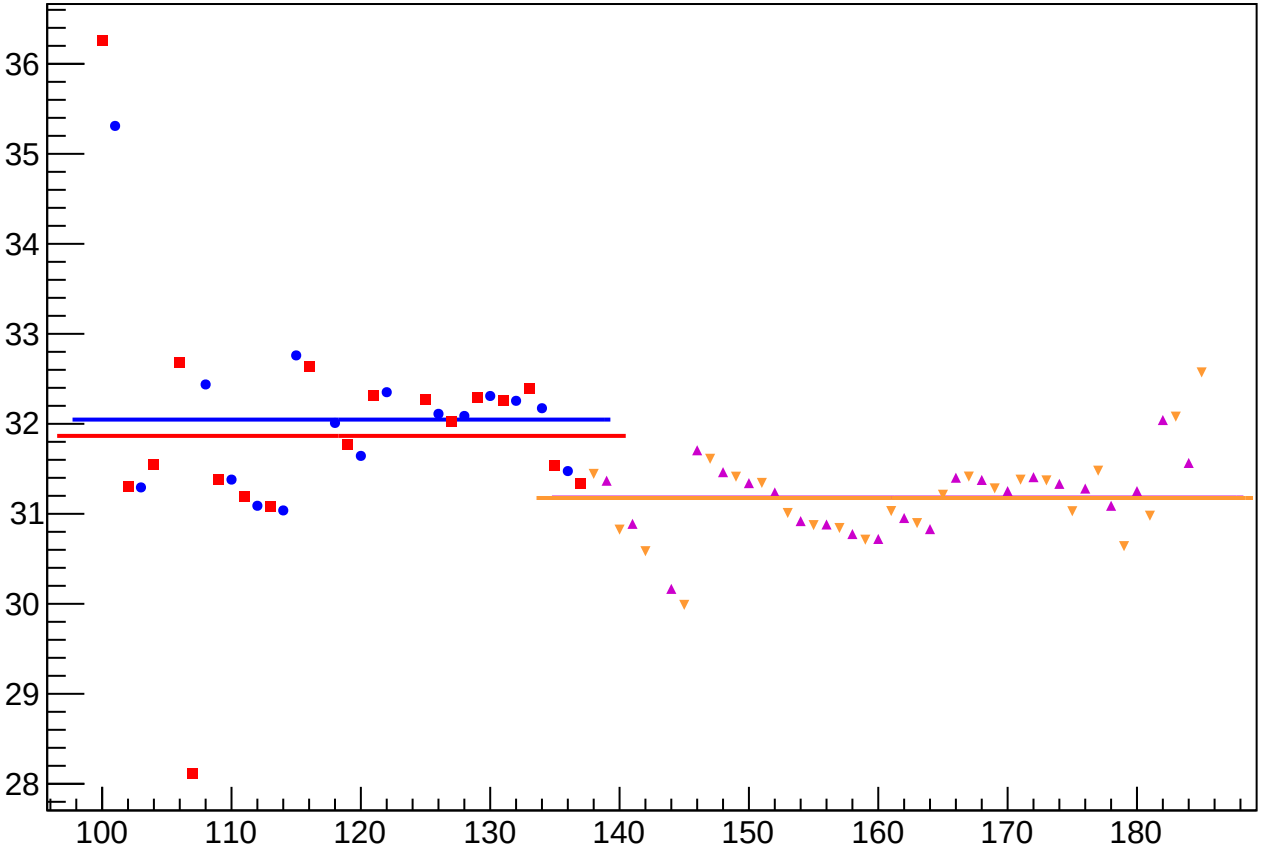
+ sign -0.000+/-0.000 χ^2/NDF: 30.5/39

All: -0.000+/-0.000 χ^2/NDF: 78.2/80

- 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:2632036.7/23
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: 6290852.4/39
All: 0.000+/-0.000 χ²/NDF: 12733178.1/80
- 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: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

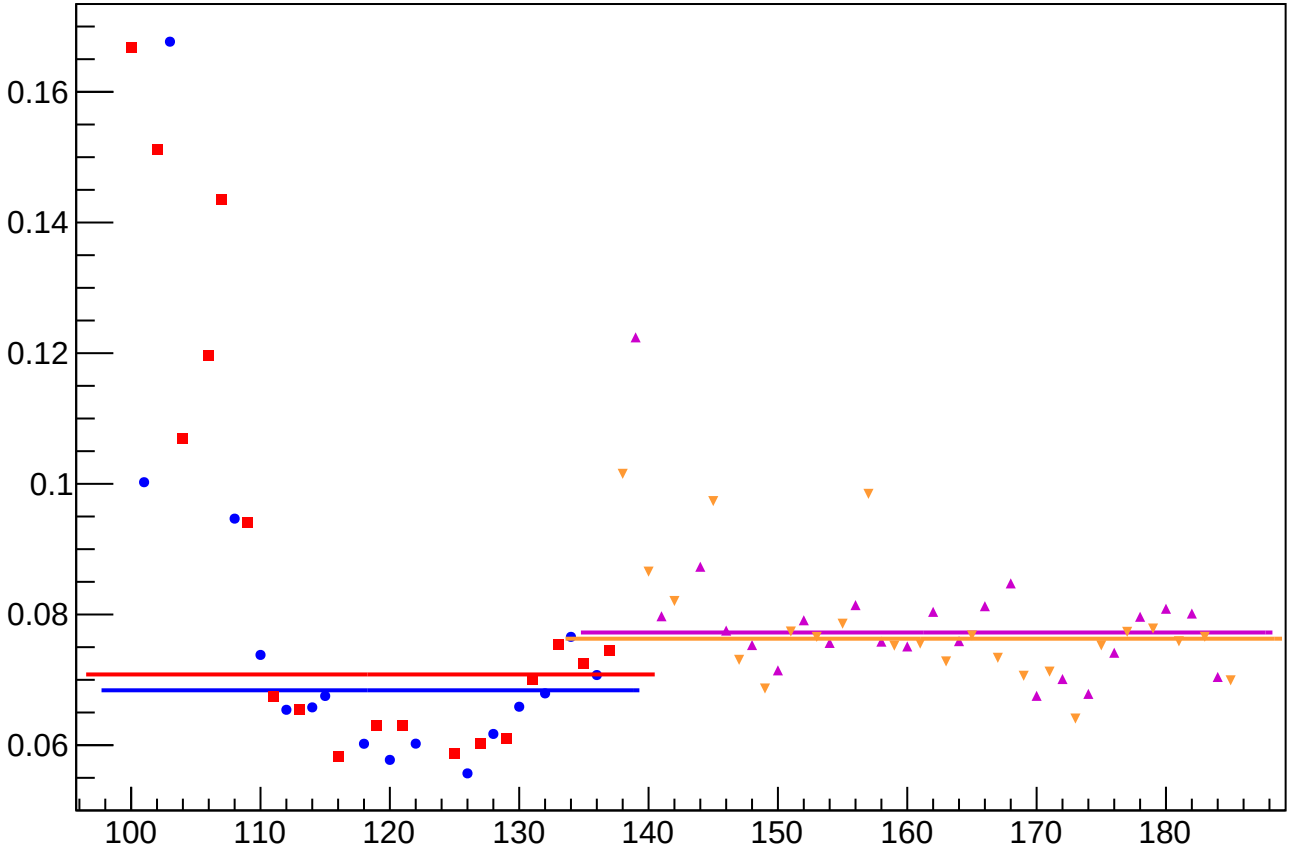
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.452+/-0.000 χ^2/NDF: 2121461957.3/39

All: 31.423+/-0.000 χ^2/NDF: 3393165132.5/8

- 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:356697.3/23

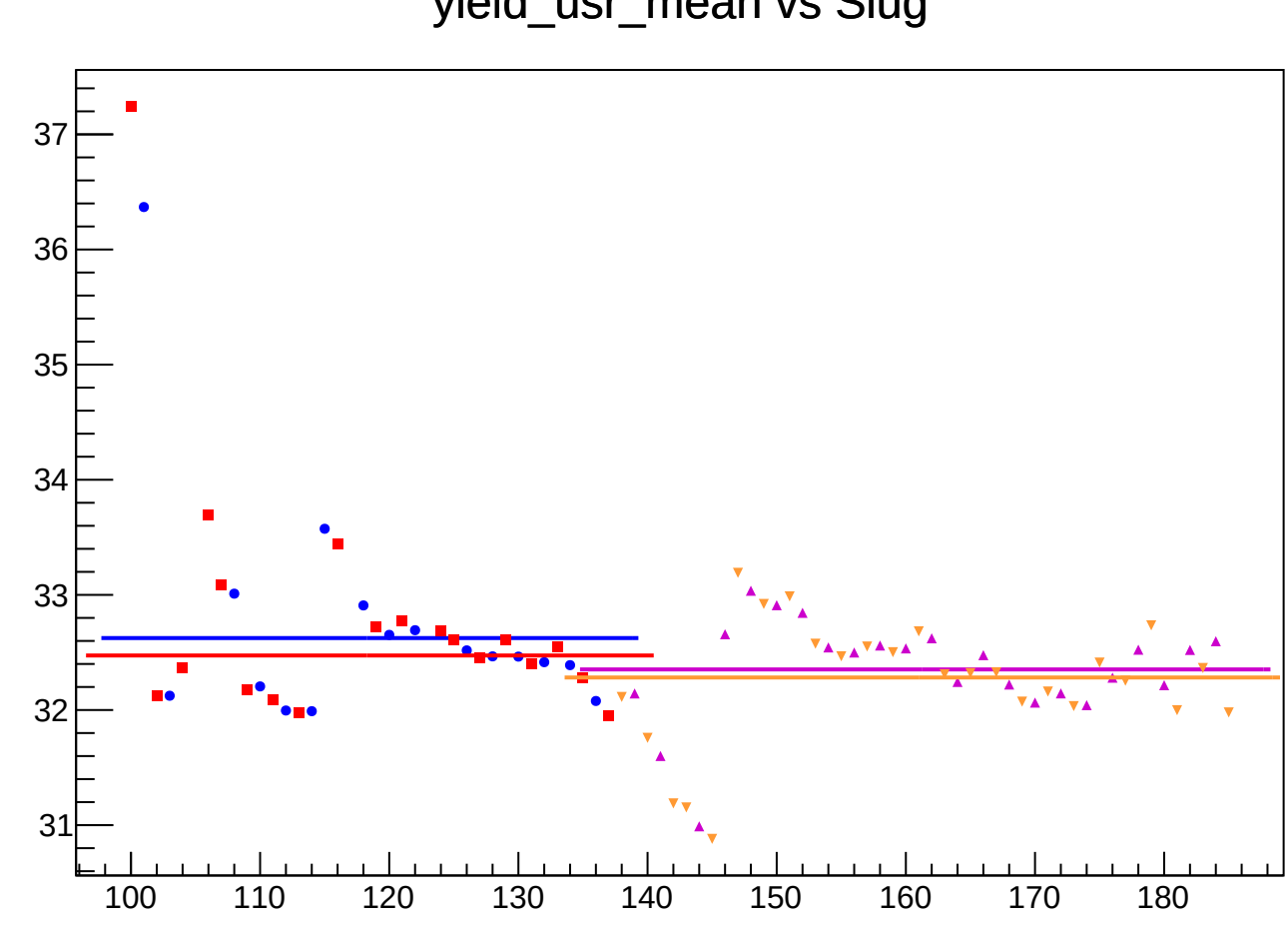
Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.074+/-0.000 χ^2/NDF: 1173818.6/39

All: 0.075+/-0.000 χ^2/NDF: 2486847.8/80

- sign 0.075+/-0.000 χ^2/NDF: 1304147.3/40



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

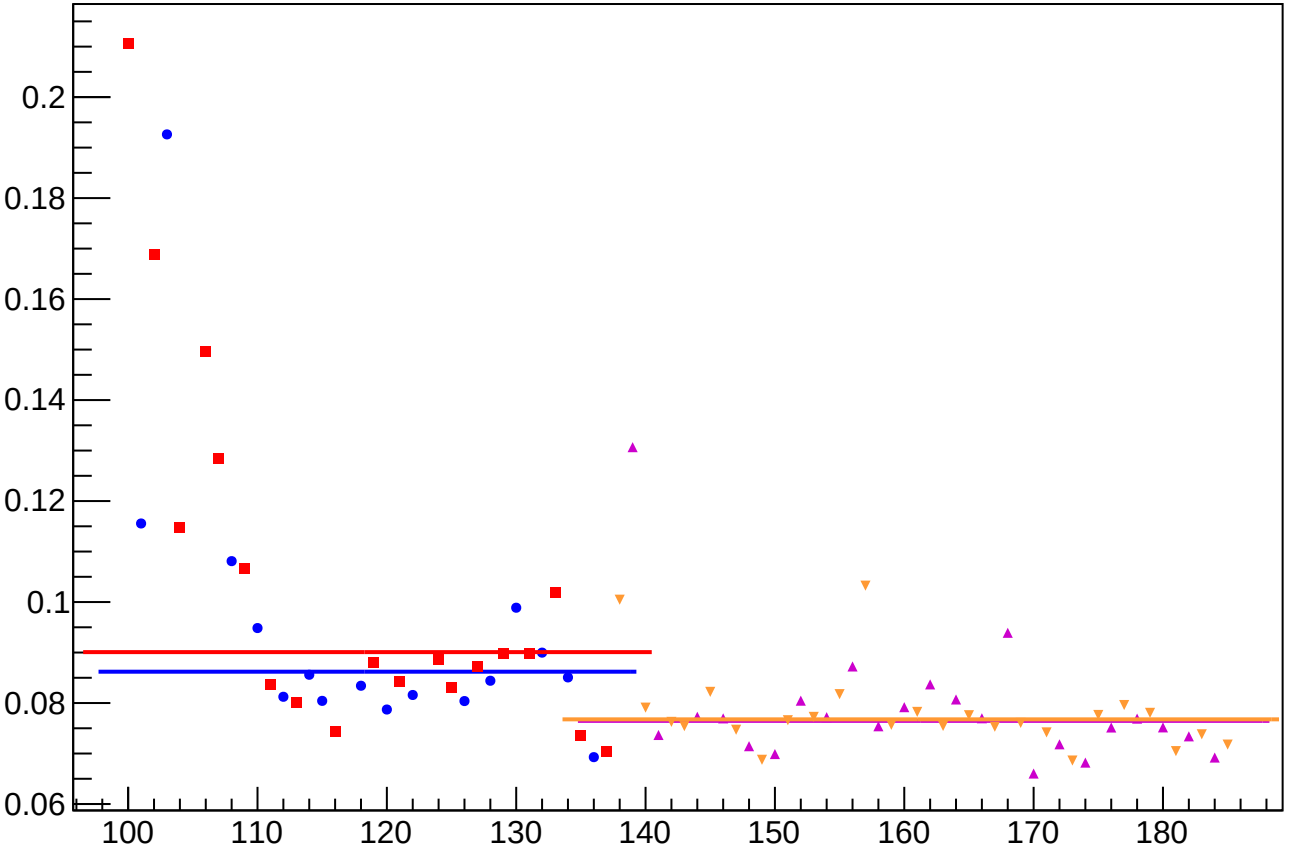
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.358+/-0.000 χ^2/NDF: 1655465753.9/40

All: 32.368+/-0.000 χ^2/NDF: 2412108824.2/8

- 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:250795.7/24

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

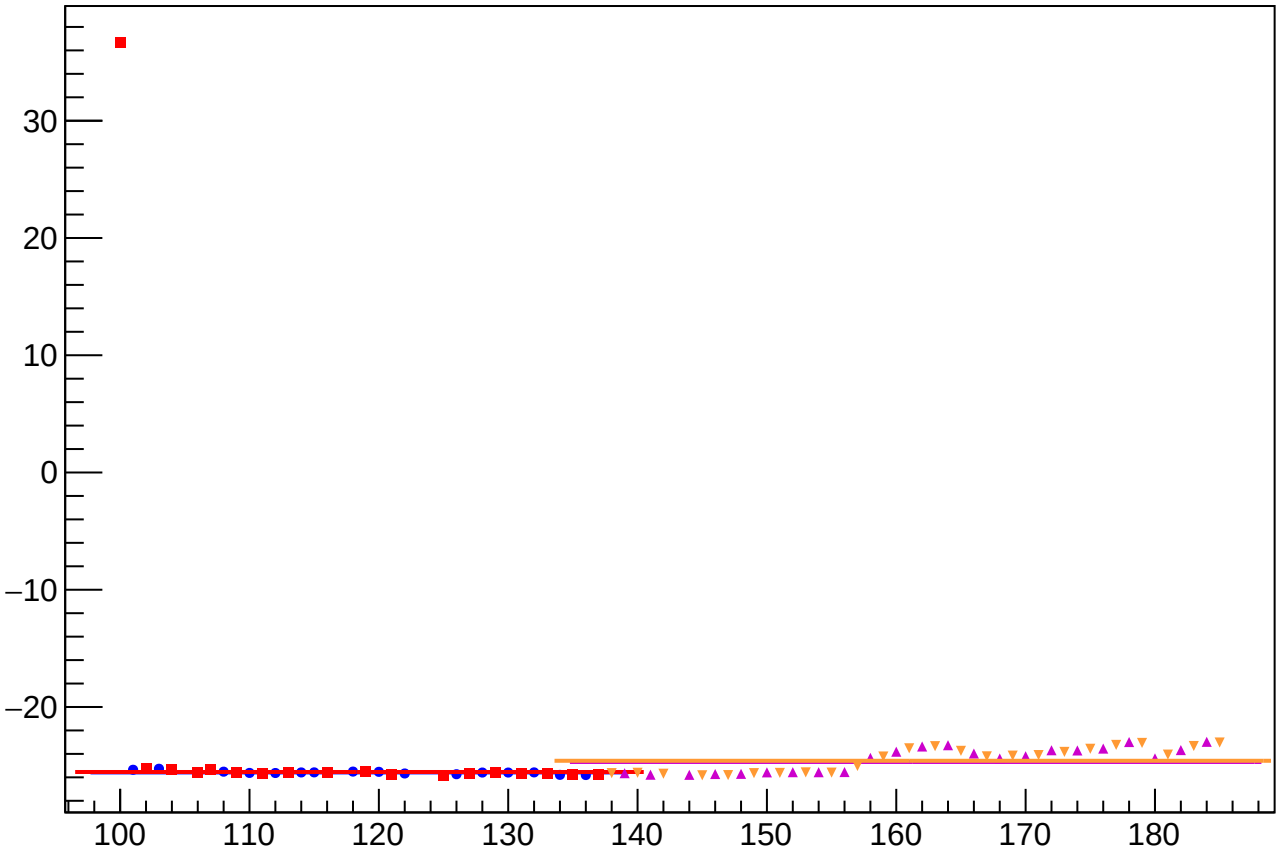
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

\+ sign 0.079+/-0.000 χ^2/NDF: 966899.8/40

All: 0.079+/-0.000 χ^2/NDF: 2303316.9/82

\- 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: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

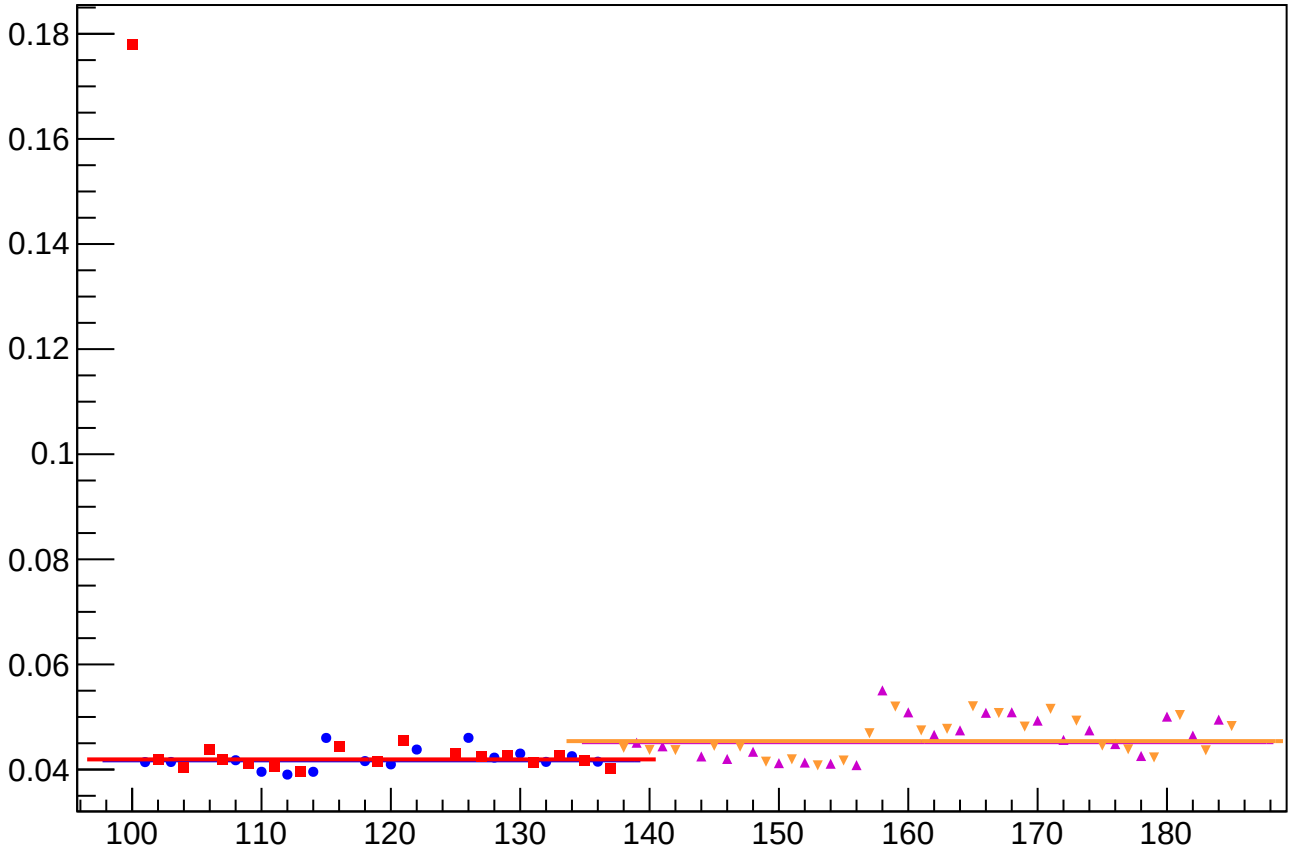
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -24.905+/-0.000 χ^2/NDF: 12031335613.9/39

All: -24.934+/-0.000 χ^2/NDF: 31825477121.6

- 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:205535.7/23

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

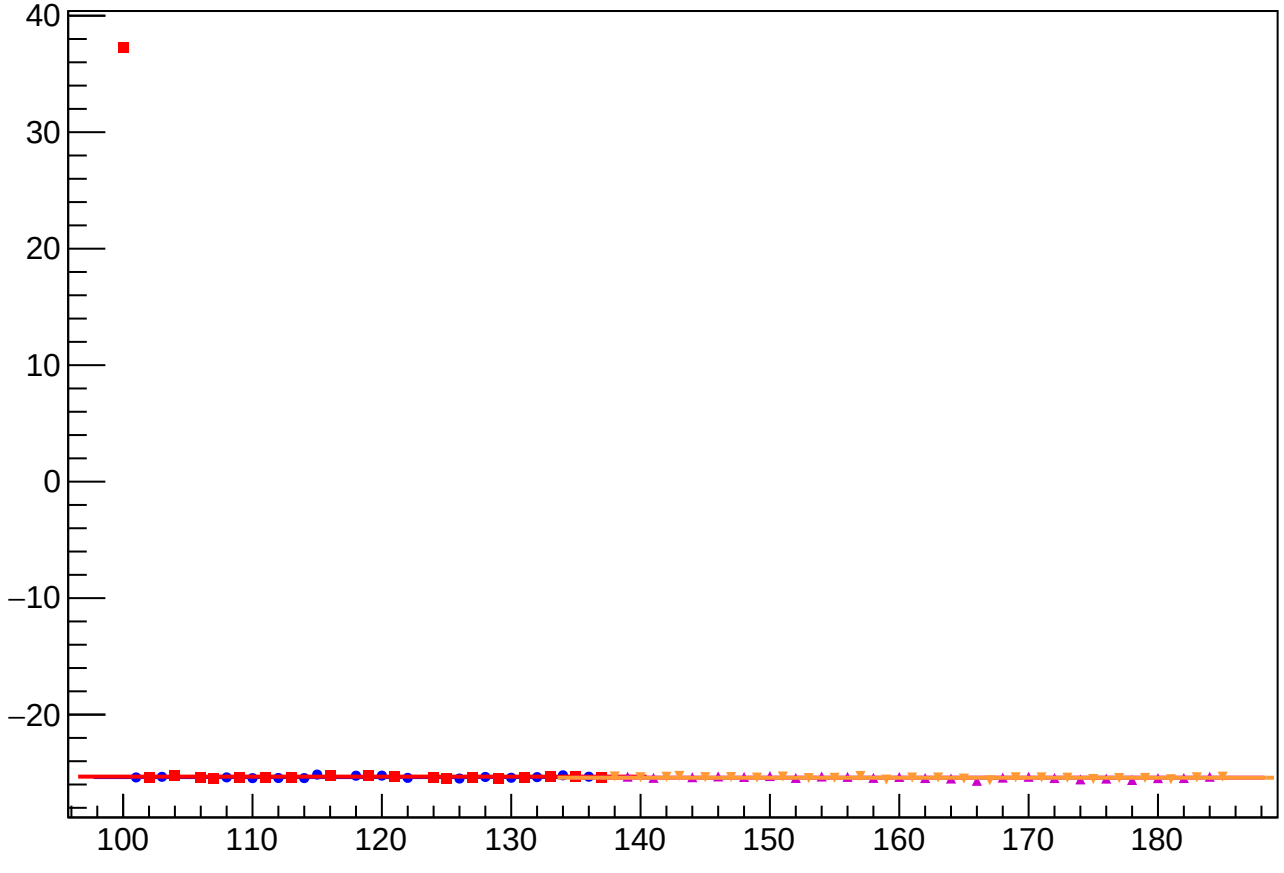
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.044+/-0.000 χ^2/NDF: 300980.4/39

All: 0.044+/-0.000 χ^2/NDF: 705912.5/80

- 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: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

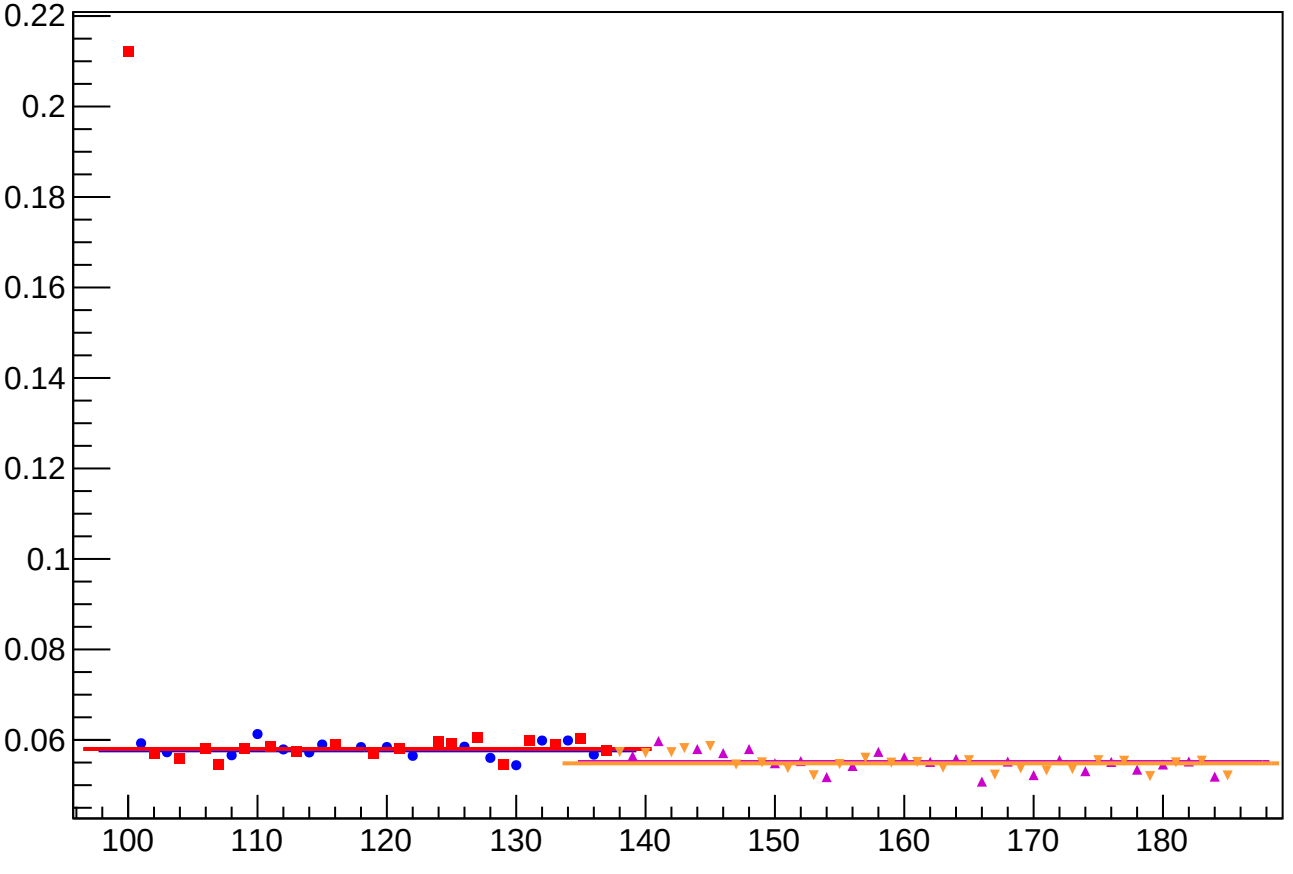
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.403+/-0.000 χ^2/NDF: 70519980.5/40

All: -25.396+/-0.000 χ^2/NDF: 6455314138.4/

- 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:38095.1/24

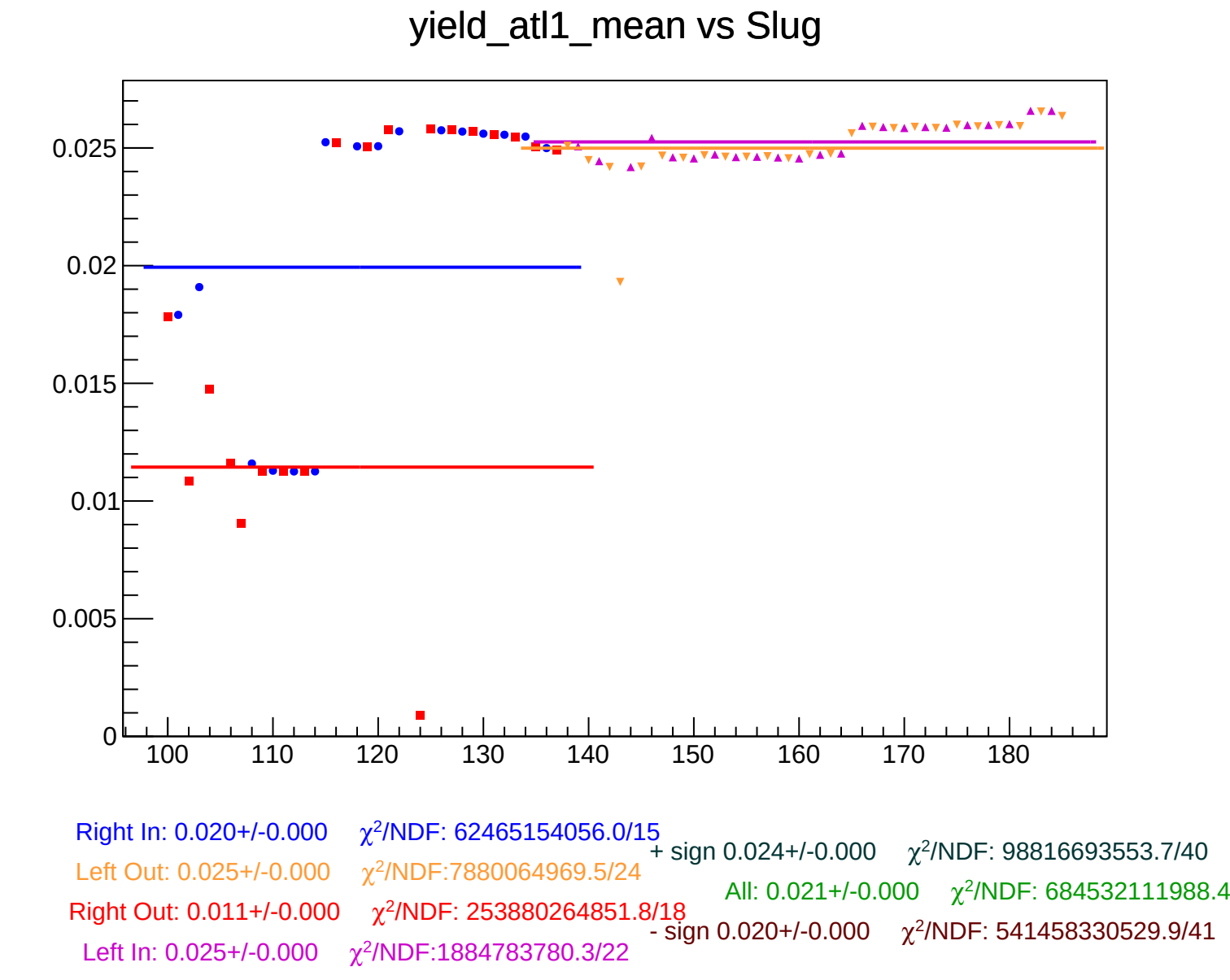
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

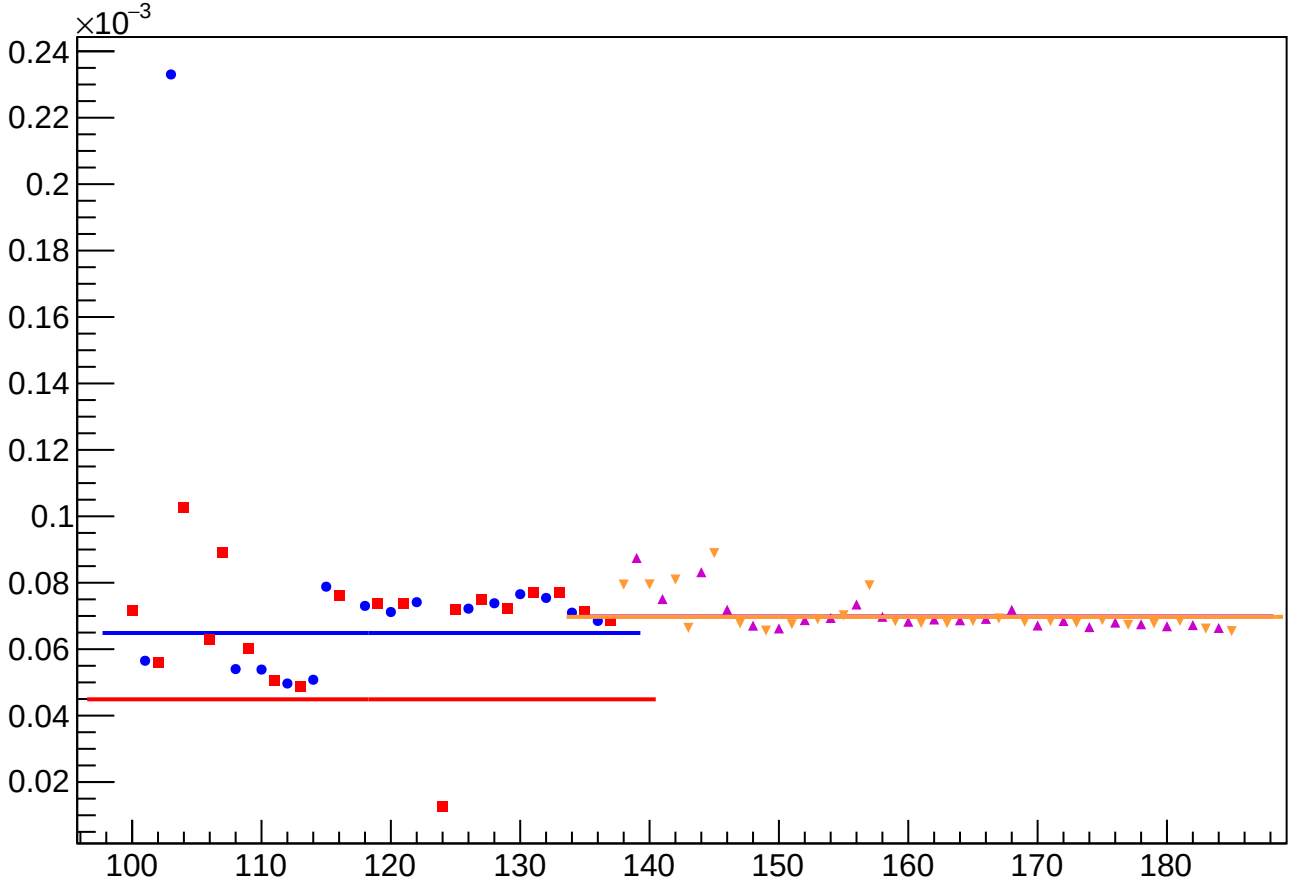
+ sign 0.056+/-0.000 χ^2/NDF: 75835.5/40

All: 0.056+/-0.000 χ^2/NDF: 243114.5/82

- 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:7880064969.5/24
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: 98816693553.7/40
All: 0.021+/-0.000 χ²/NDF: 684532111988.4
- 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:188211.8/24

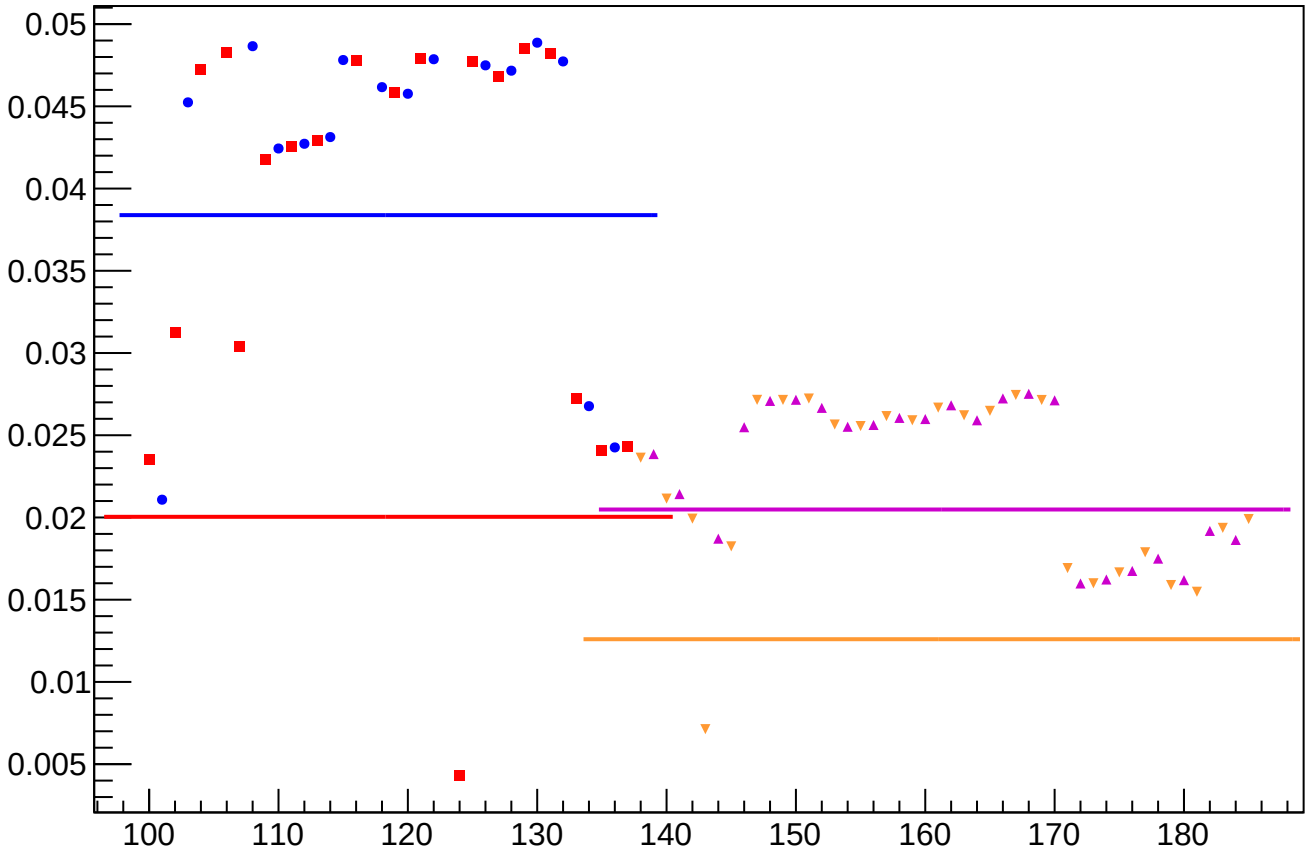
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1057526.1/40

All: 0.000+/-0.000 χ^2/NDF: 7276433.4/82

- 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:37338500367.6/24

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

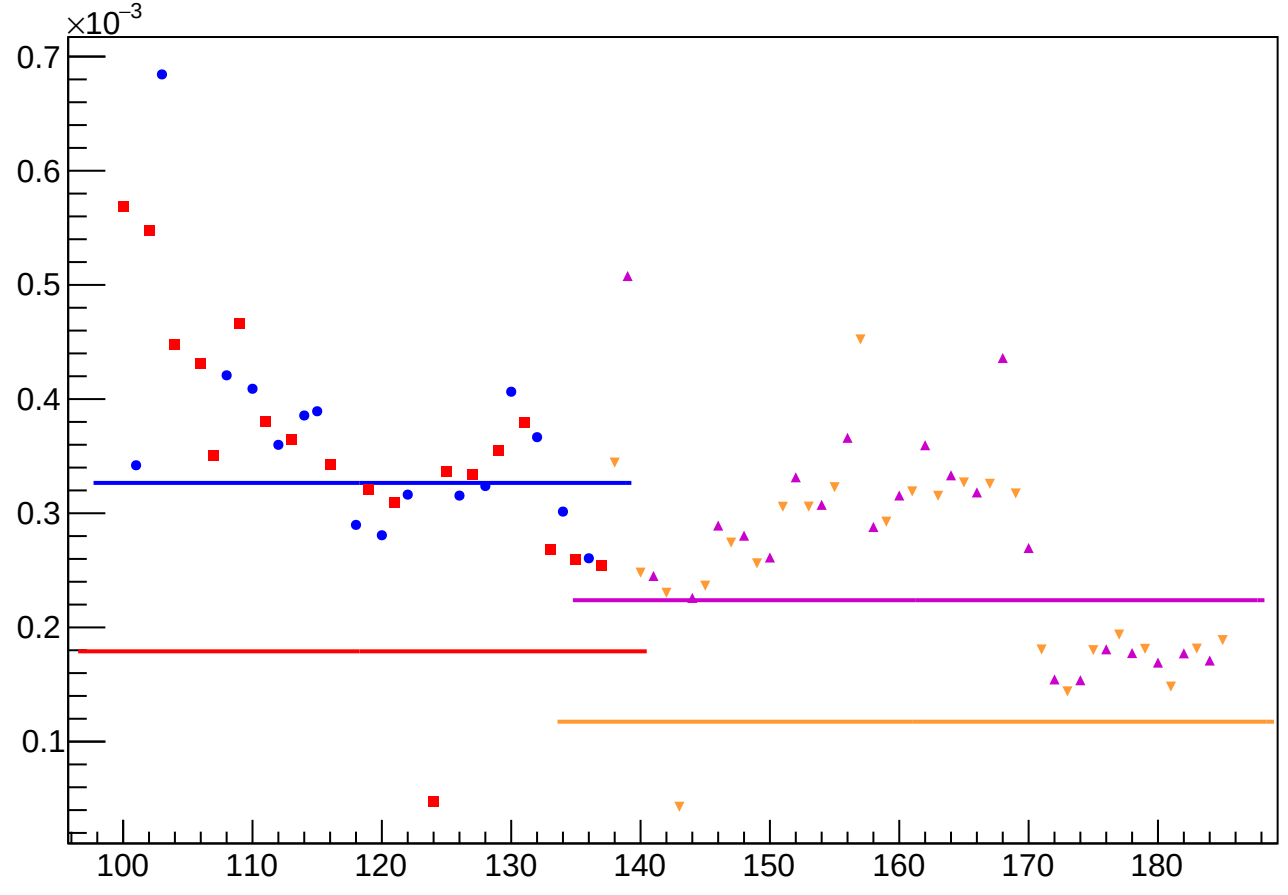
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.014+/-0.000 χ^2/NDF: 80920537452.1/40

All: 0.016+/-0.000 χ^2/NDF: 138849067730.5

- sign 0.020+/-0.000 χ^2/NDF: 48302073705.0/41

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

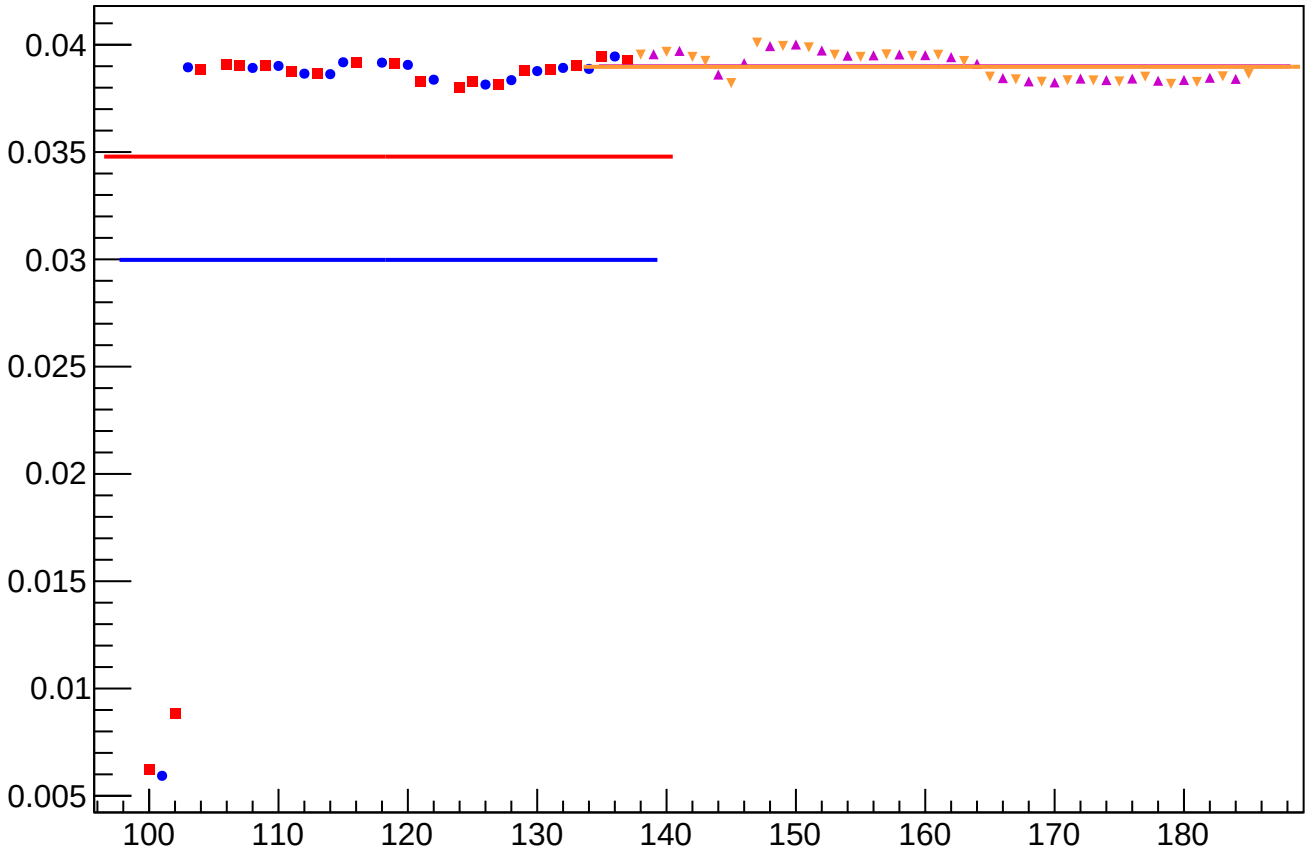
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19775017.0/40

All: 0.000+/-0.000 χ^2/NDF: 32582811.1/82

- sign 0.000+/-0.000 χ^2/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:477670162.8/24

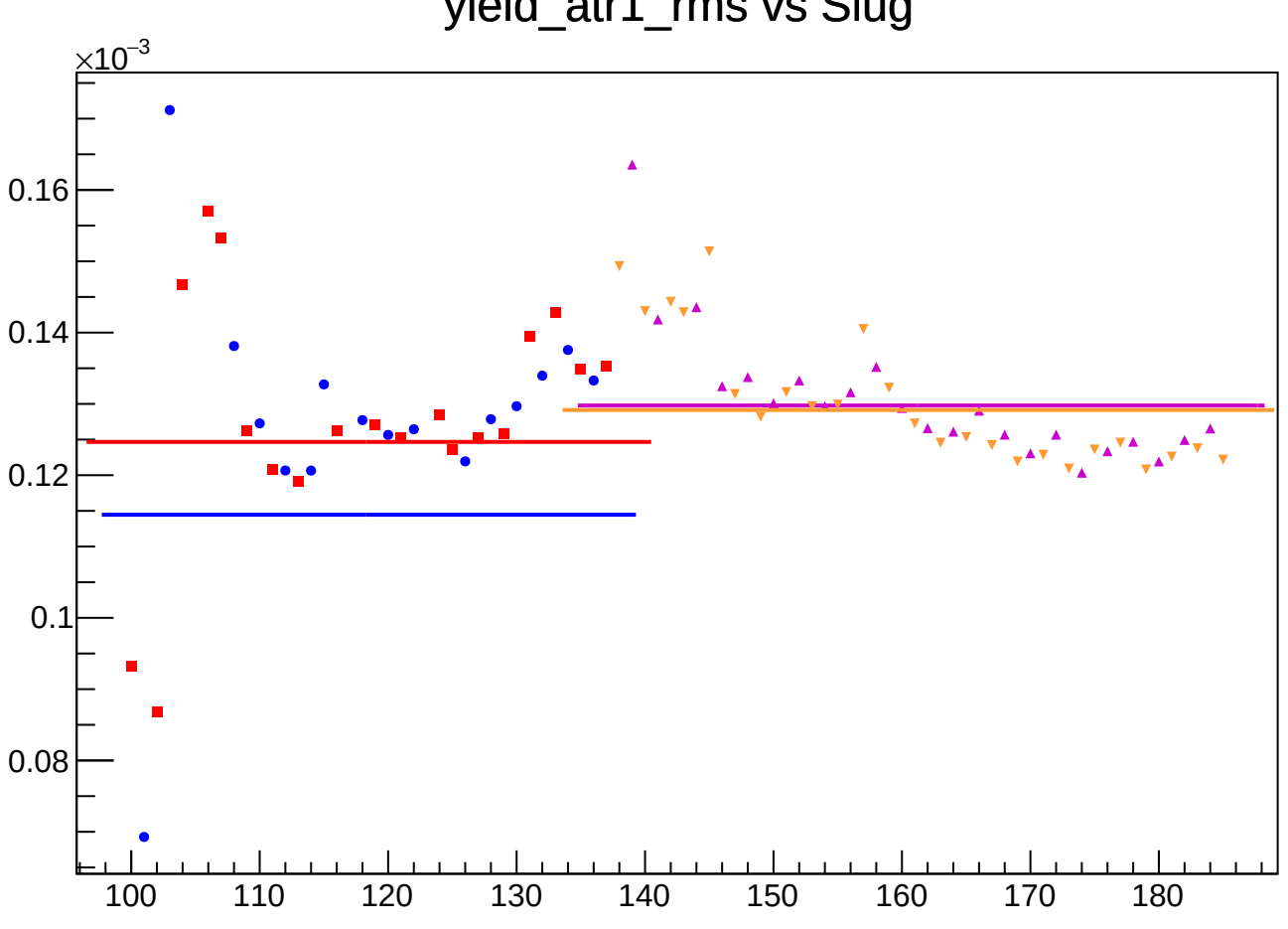
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.036+/-0.000 χ^2/NDF: 137113605455.3/40

All: 0.037+/-0.000 χ^2/NDF: 192268297133.0

- 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:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

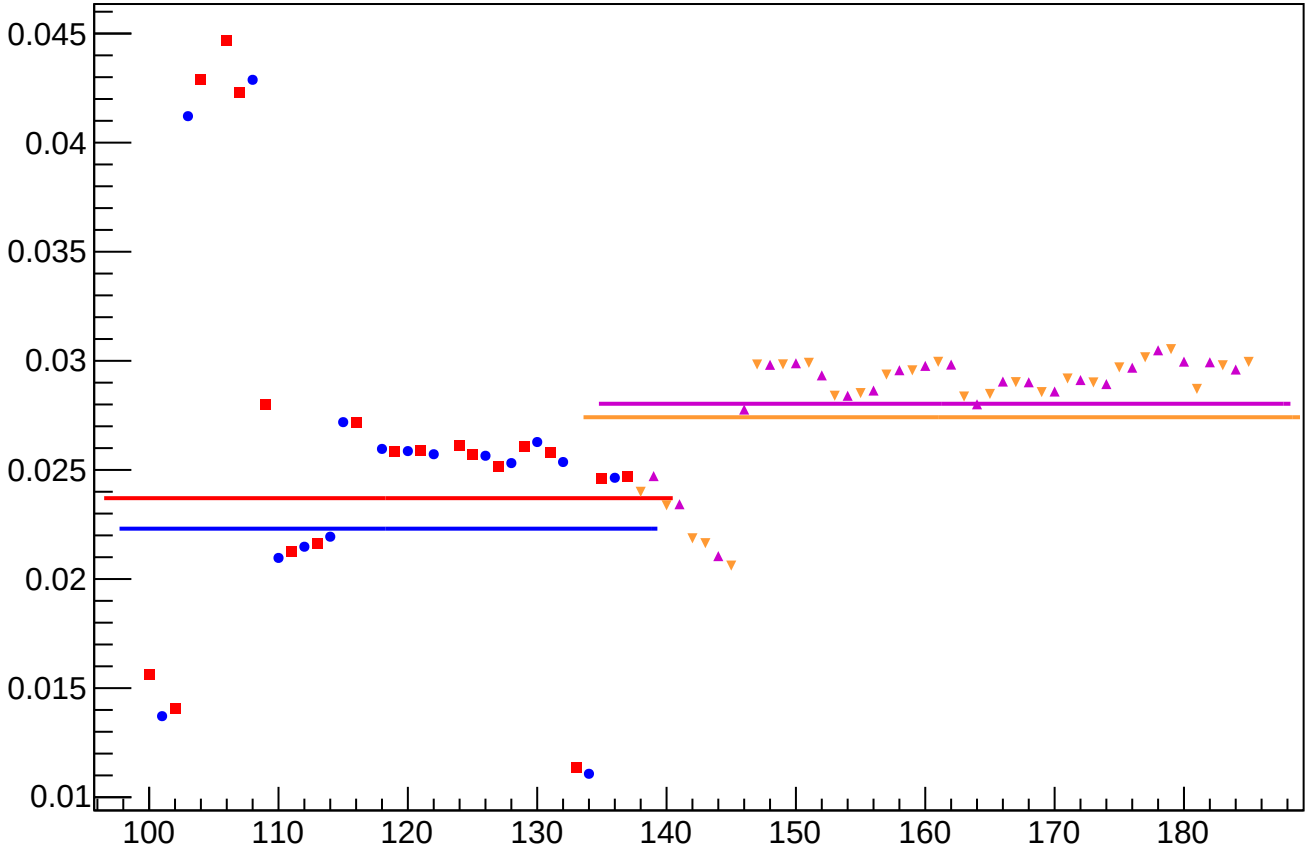
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 1161795.8/40

All: 0.000+/-0.000 χ^2/NDF: 1601465.4/82

- 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:2240091851.9/24

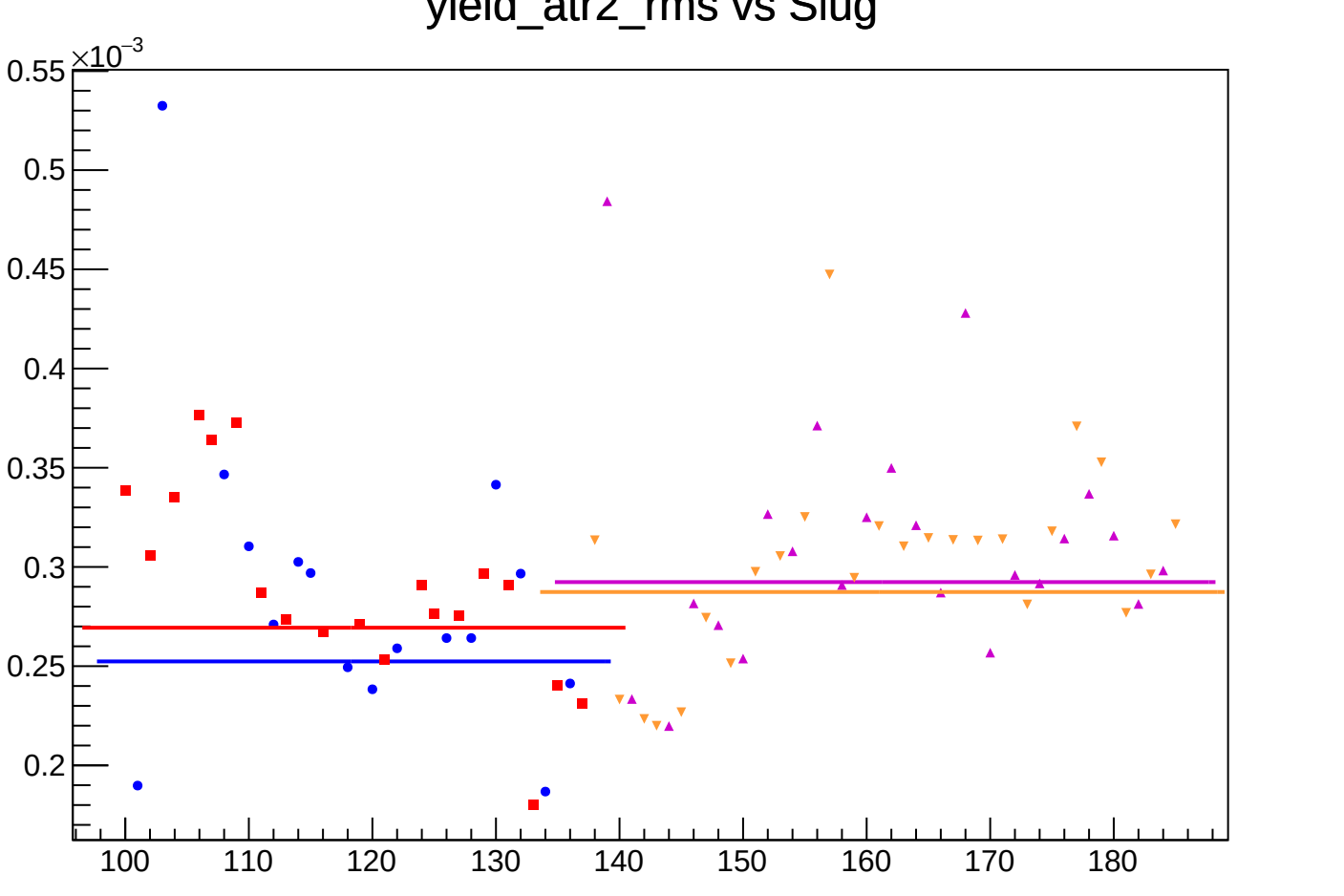
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

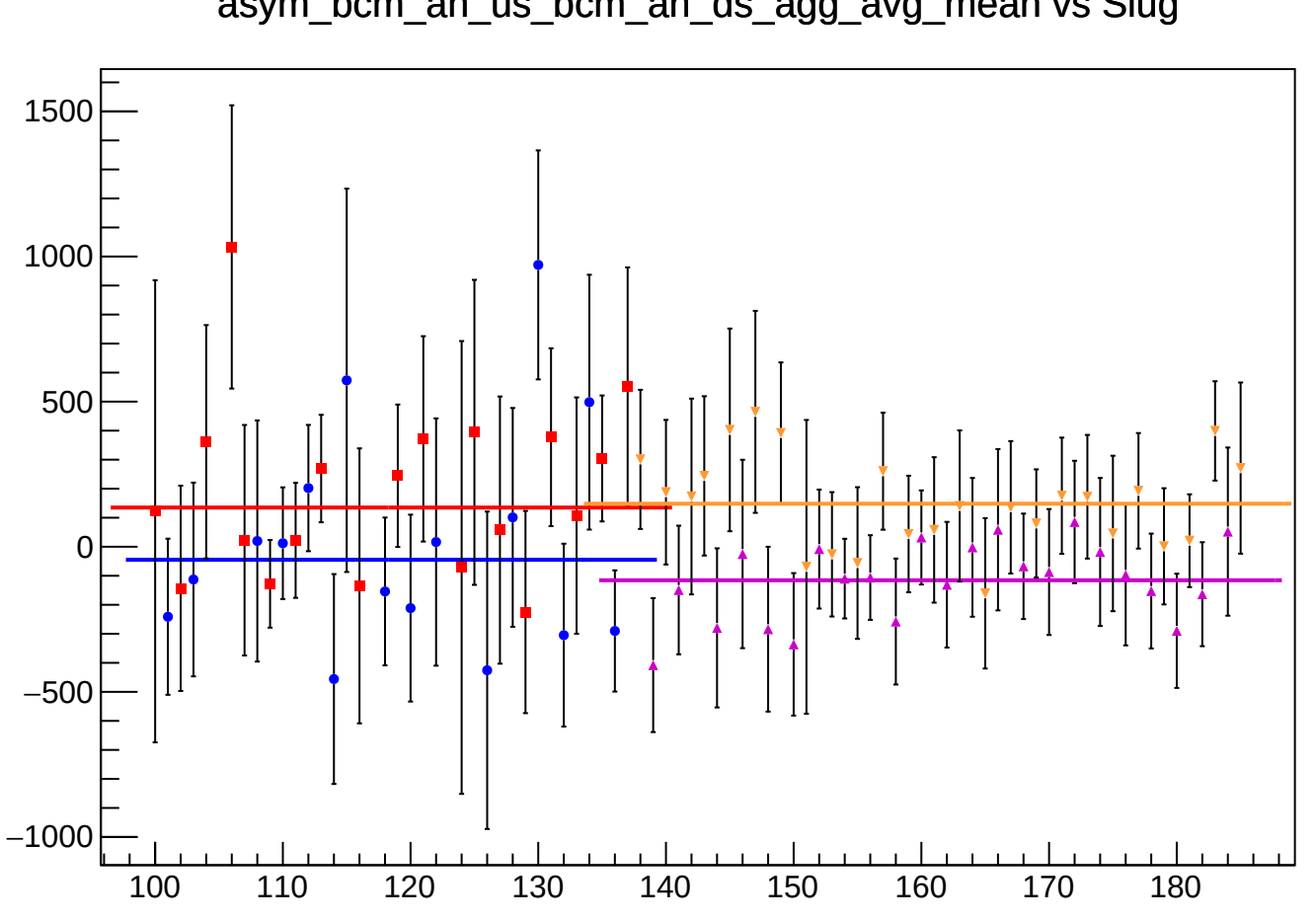
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 8990553397.6/40

All: 0.026+/-0.000 χ^2/NDF: 17320533727.6/8

- 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:821515.6/24
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: 1692587.1/40
All: 0.000+/-0.000 χ²/NDF: 3197447.1/82
- sign 0.000+/-0.000 χ²/NDF: 1481345.3/41



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

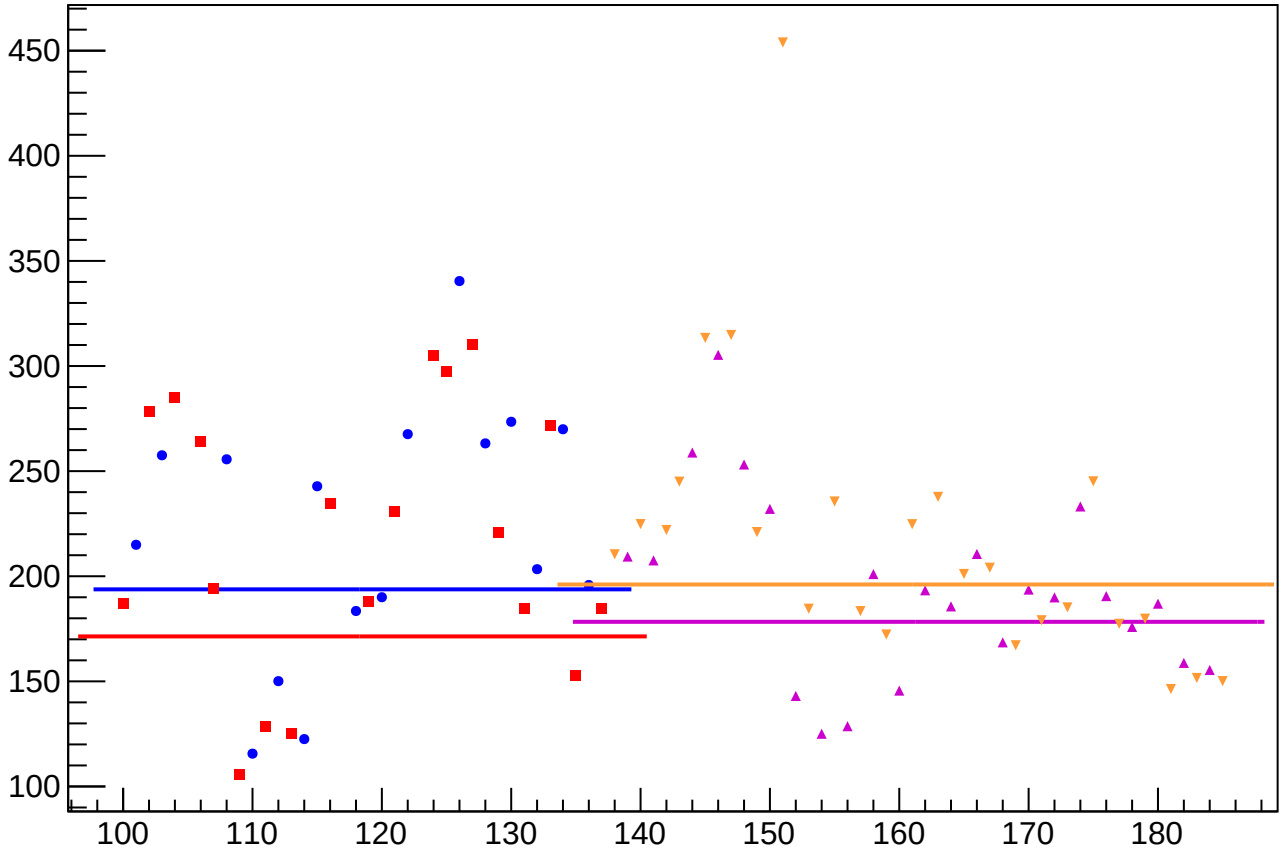
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 96.312+/-39.518 χ^2/NDF: 30.5/40

All: 21.672+/-26.889 χ^2/NDF: 67.5/82

- sign -42.682+/-36.694 χ^2/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: 196.087+/-0.033 χ^2/NDF:1818492.9/24

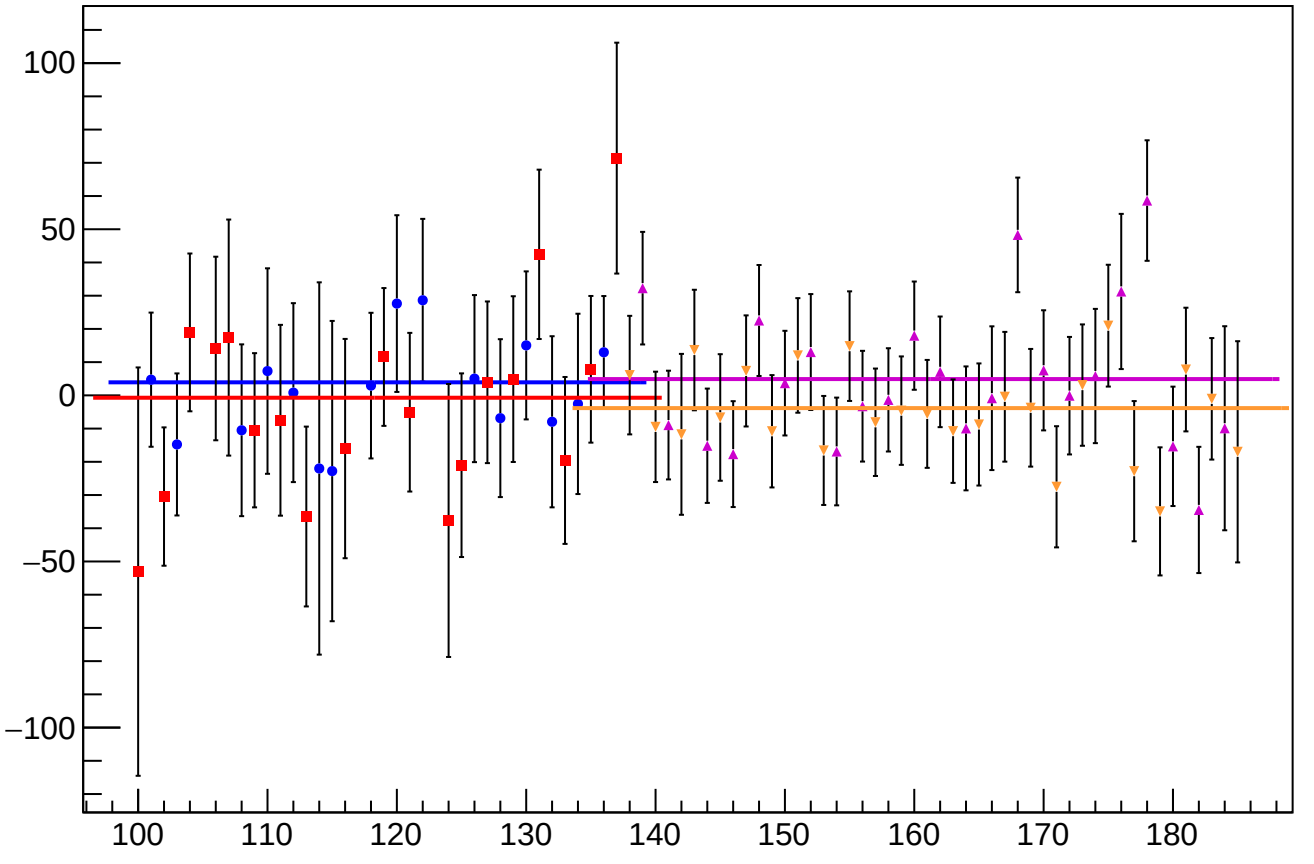
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 195.463+/-0.028 χ^2/NDF: 2867942.1/40

All: 185.173+/-0.019 χ^2/NDF: 6471590.4/82

- 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: -3.834+/-3.603 χ^2/NDF:12.9/24

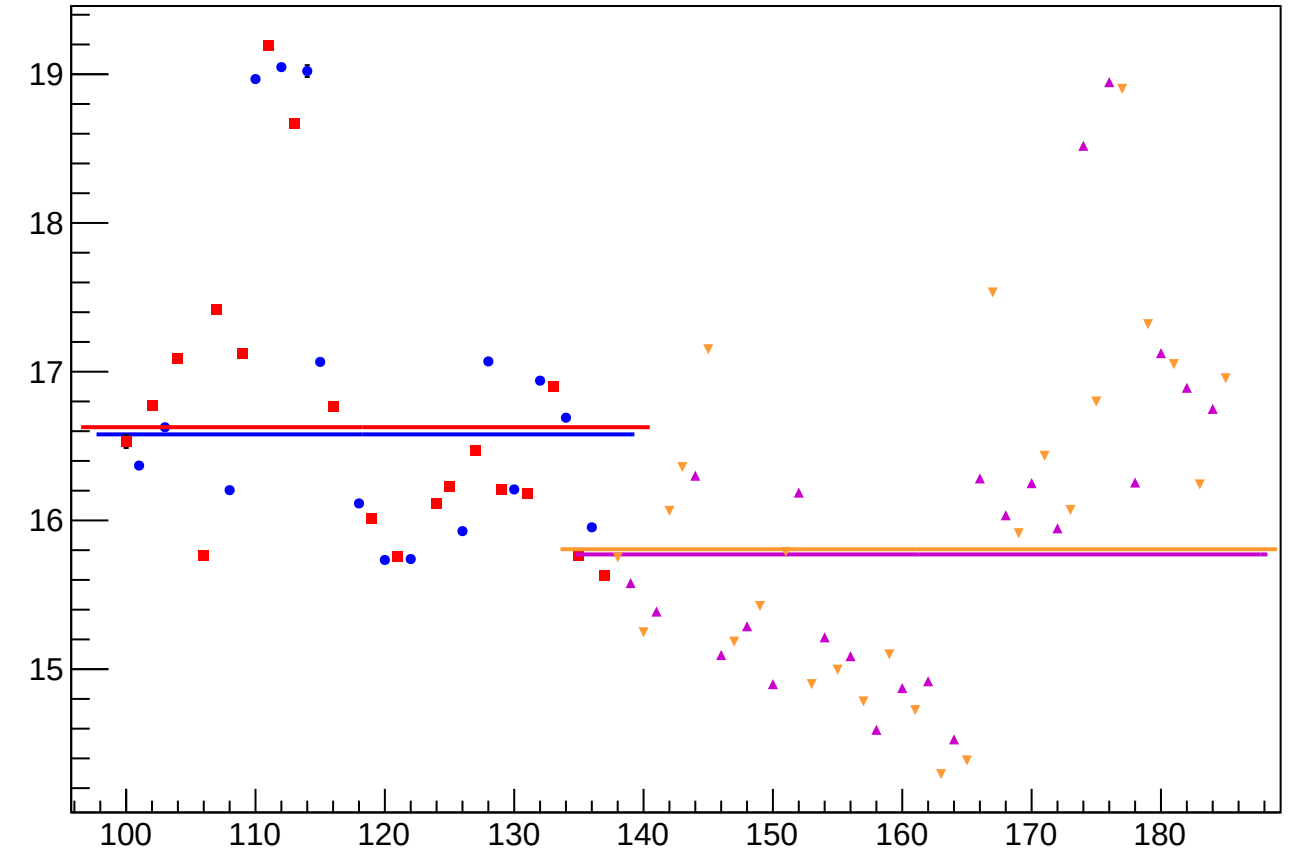
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -1.863+/-3.111 χ^2/NDF: 18.5/40

All: 0.723+/-2.216 χ^2/NDF: 70.3/82

\- 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: 15.806+/-0.003 χ^2/NDF:172651.3/24

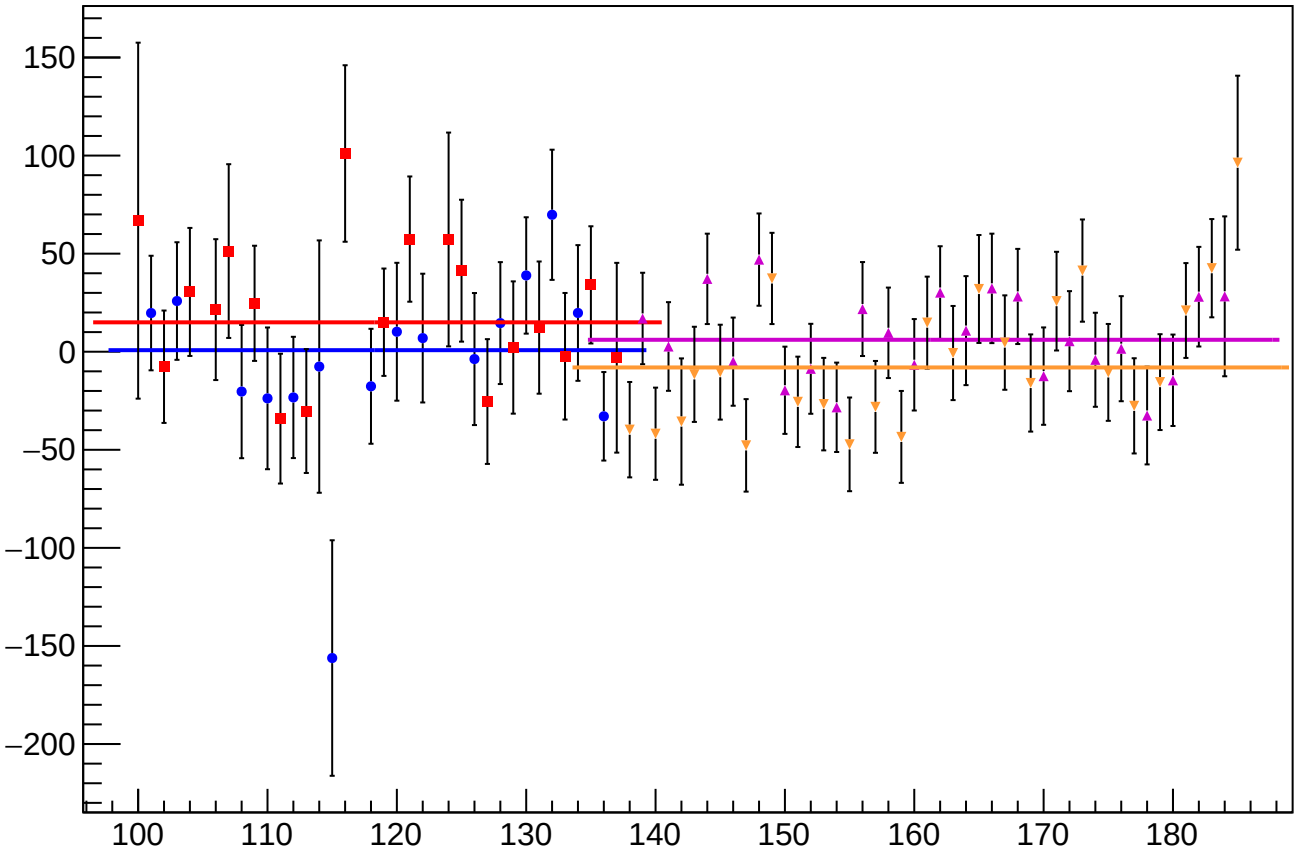
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 16.003+/-0.002 χ^2/NDF: 240586.3/40

All: 16.002+/-0.002 χ^2/NDF: 465121.5/82

\- 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: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

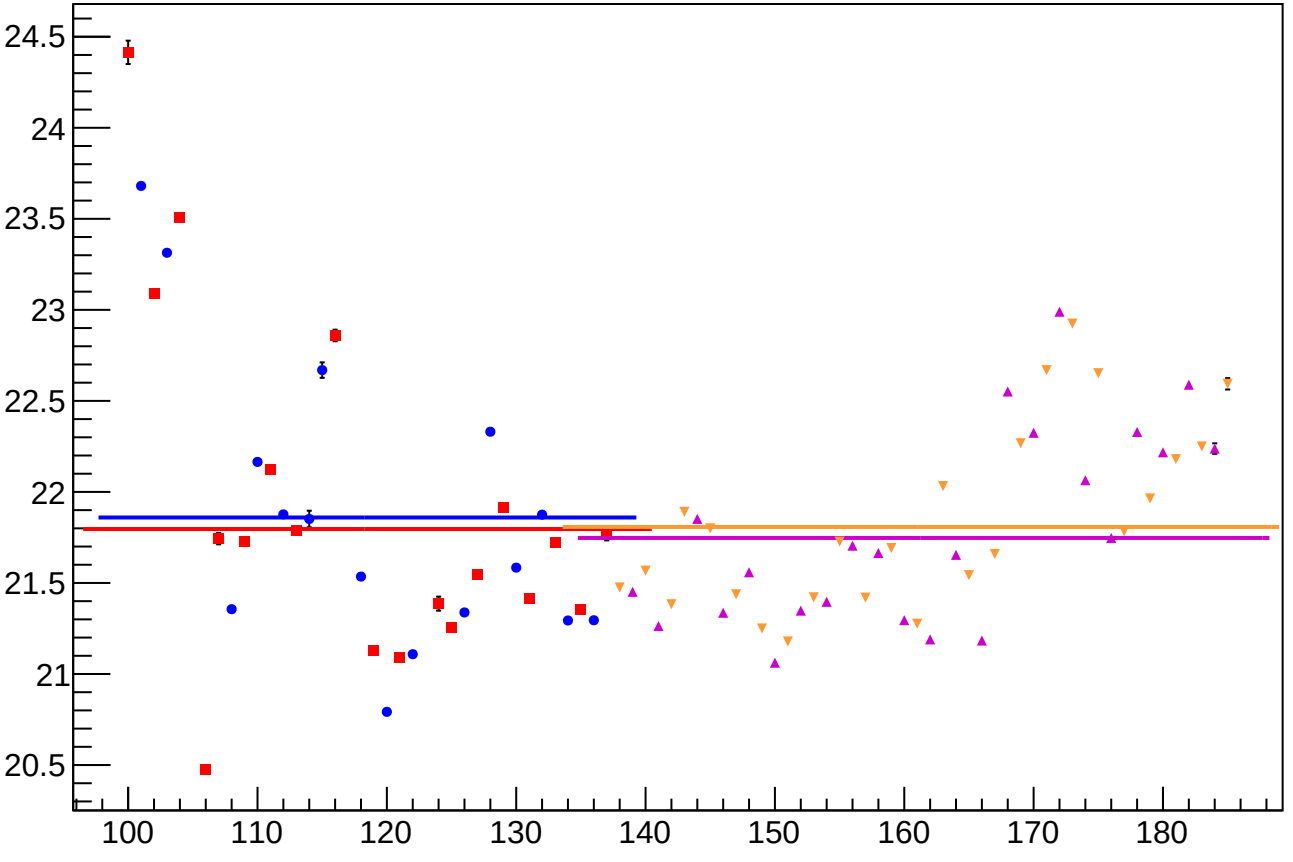
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -5.628+/-4.231 χ^2/NDF: 58.4/40

All: 1.433+/-3.009 χ^2/NDF: 98.2/82

\- 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: 21.808+/-0.004 χ^2/NDF:17561.0/24

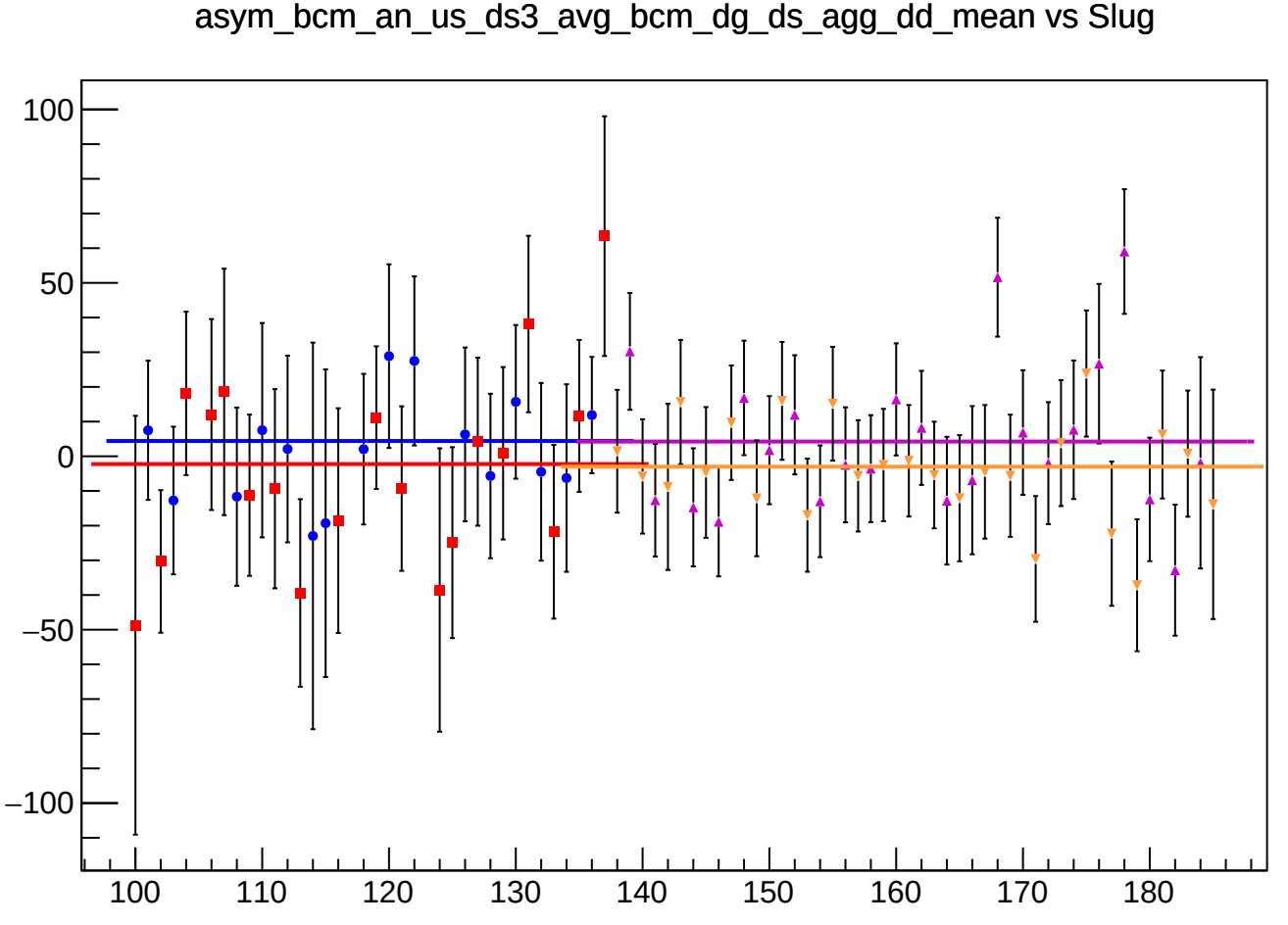
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

\+ sign 21.822+/-0.003 χ^2/NDF: 37088.5/40

All: 21.792+/-0.002 χ^2/NDF: 76765.2/82

\- 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: -3.002+/-3.569 χ^2/NDF:14.6/24

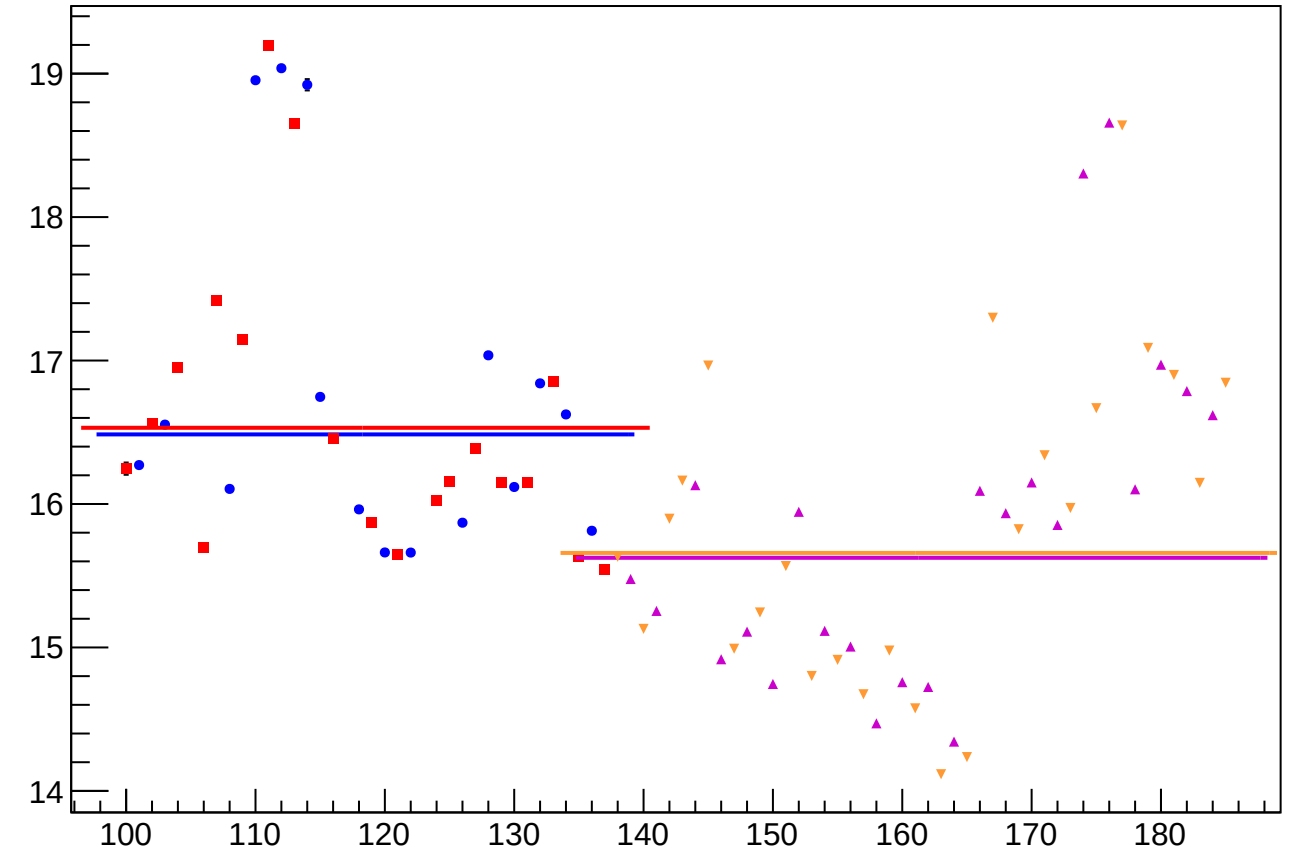
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -1.131+/-3.085 χ^2/NDF: 20.0/40

All: 0.661+/-2.197 χ^2/NDF: 70.8/82

- 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: 15.659+/-0.003 χ^2/NDF:169838.6/24

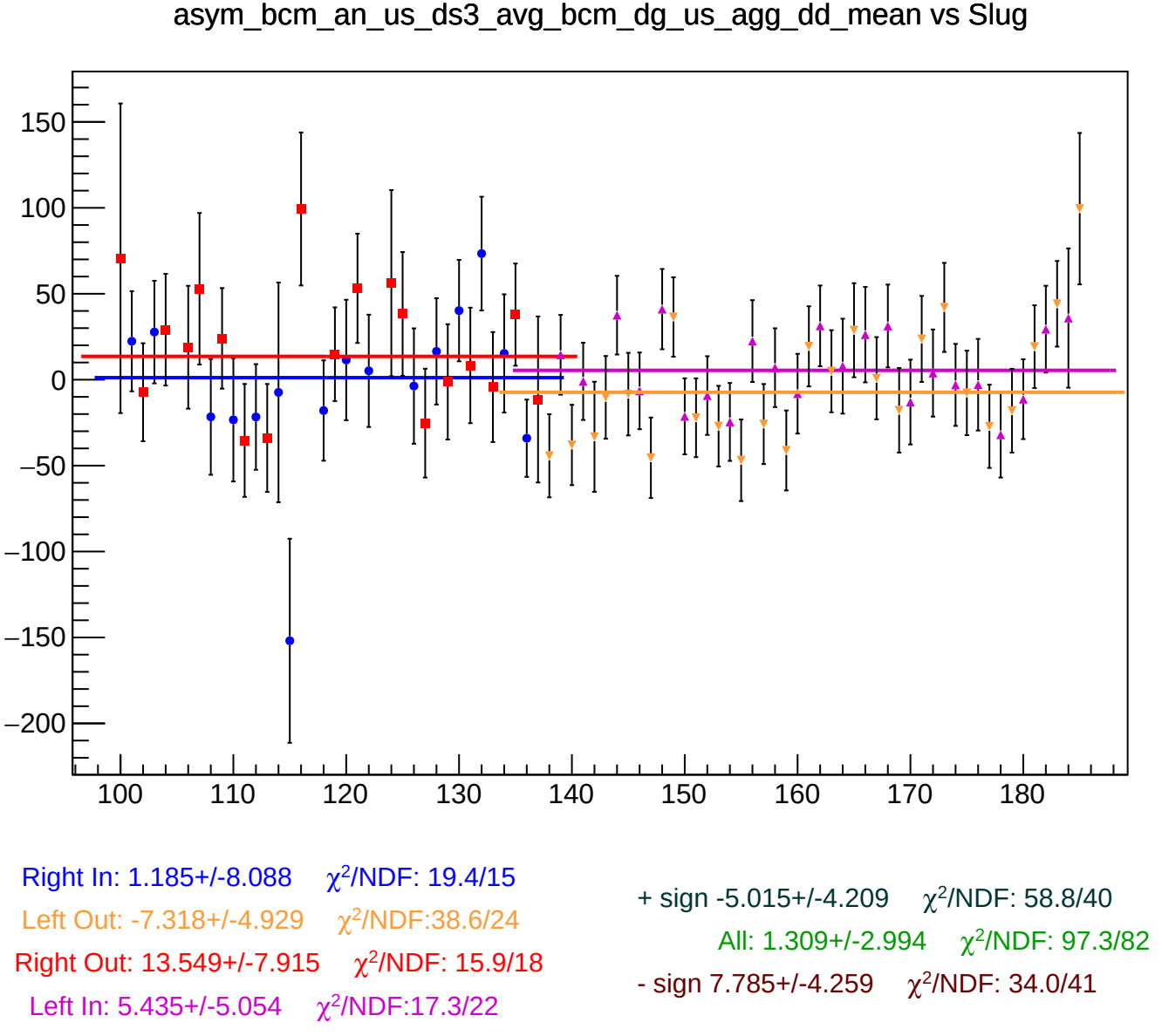
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

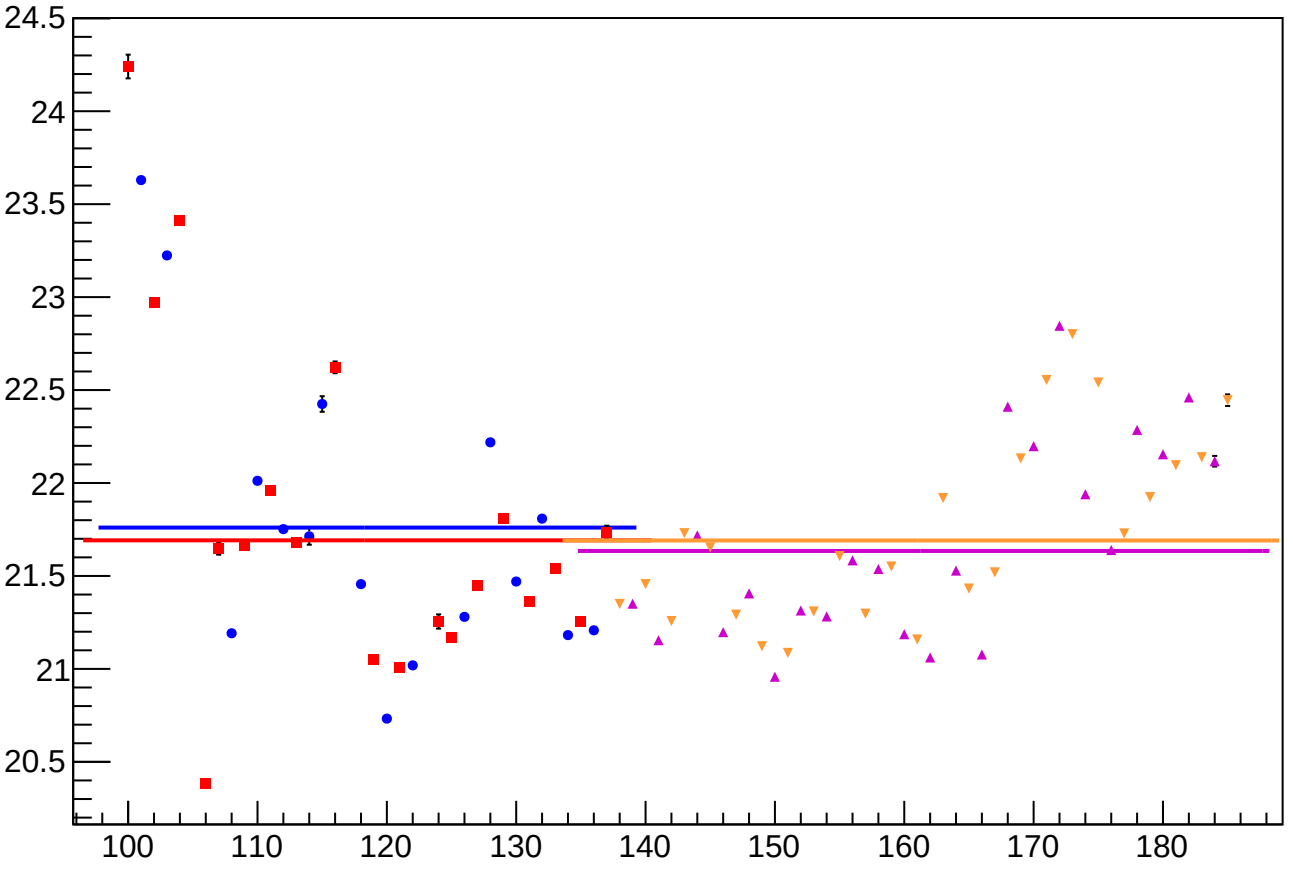
Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.868+/-0.002 χ^2/NDF: 244110.9/40

All: 15.868+/-0.002 χ^2/NDF: 473928.5/82

\- sign 15.868+/-0.002 χ^2/NDF: 229817.6/41


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -7.318+/-4.929 χ²/NDF:38.6/24
Right Out: 13.549+/-7.915 χ²/NDF: 15.9/18
Left In: 5.435+/-5.054 χ²/NDF:17.3/22
+ sign -5.015+/-4.209 χ²/NDF: 58.8/40
All: 1.309+/-2.994 χ²/NDF: 97.3/82
- sign 7.785+/-4.259 χ²/NDF: 34.0/41



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

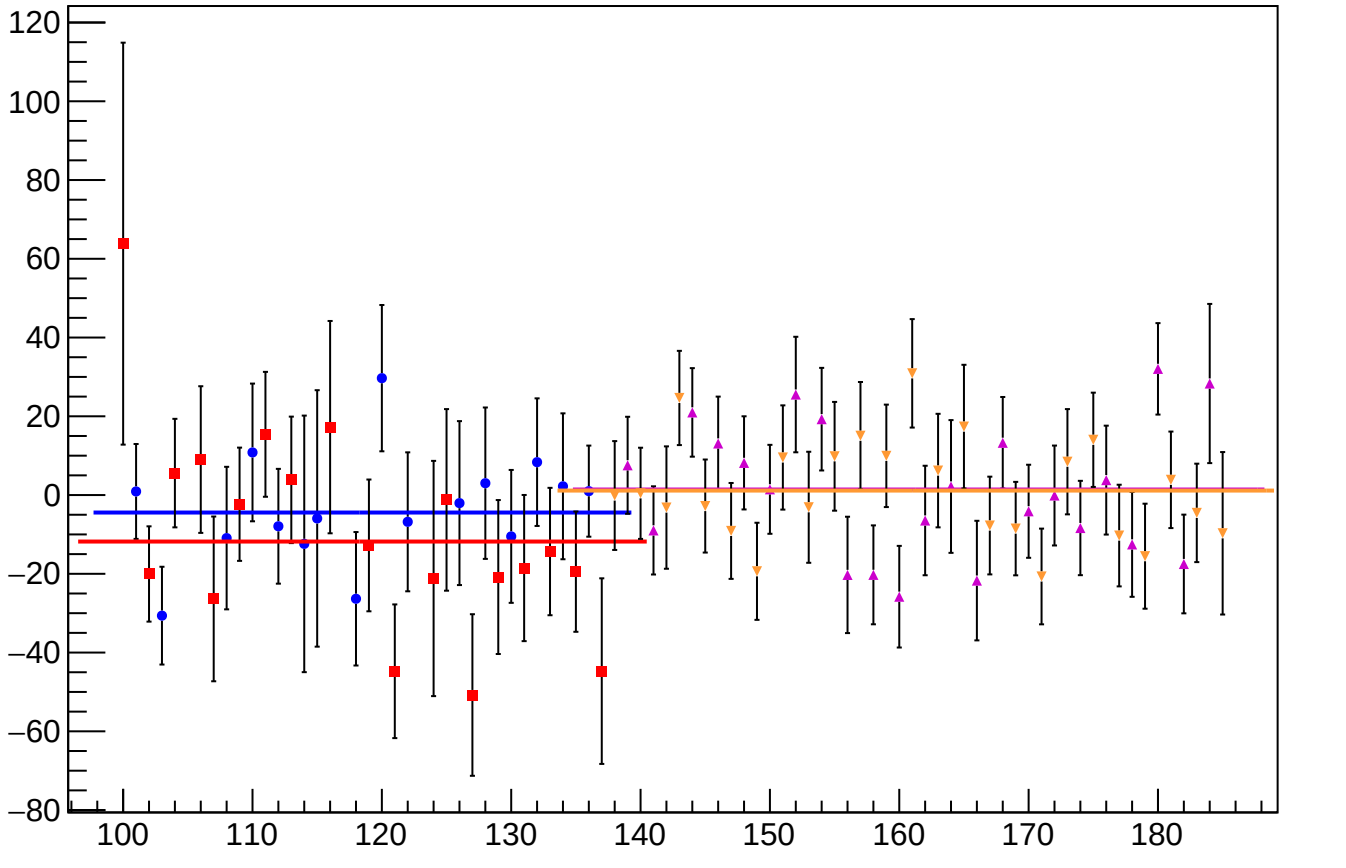
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.710+/-0.003 χ^2/NDF: 37787.9/40

All: 21.681+/-0.002 χ^2/NDF: 76945.6/82

- sign 21.651+/-0.003 χ^2/NDF: 38966.0/41



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

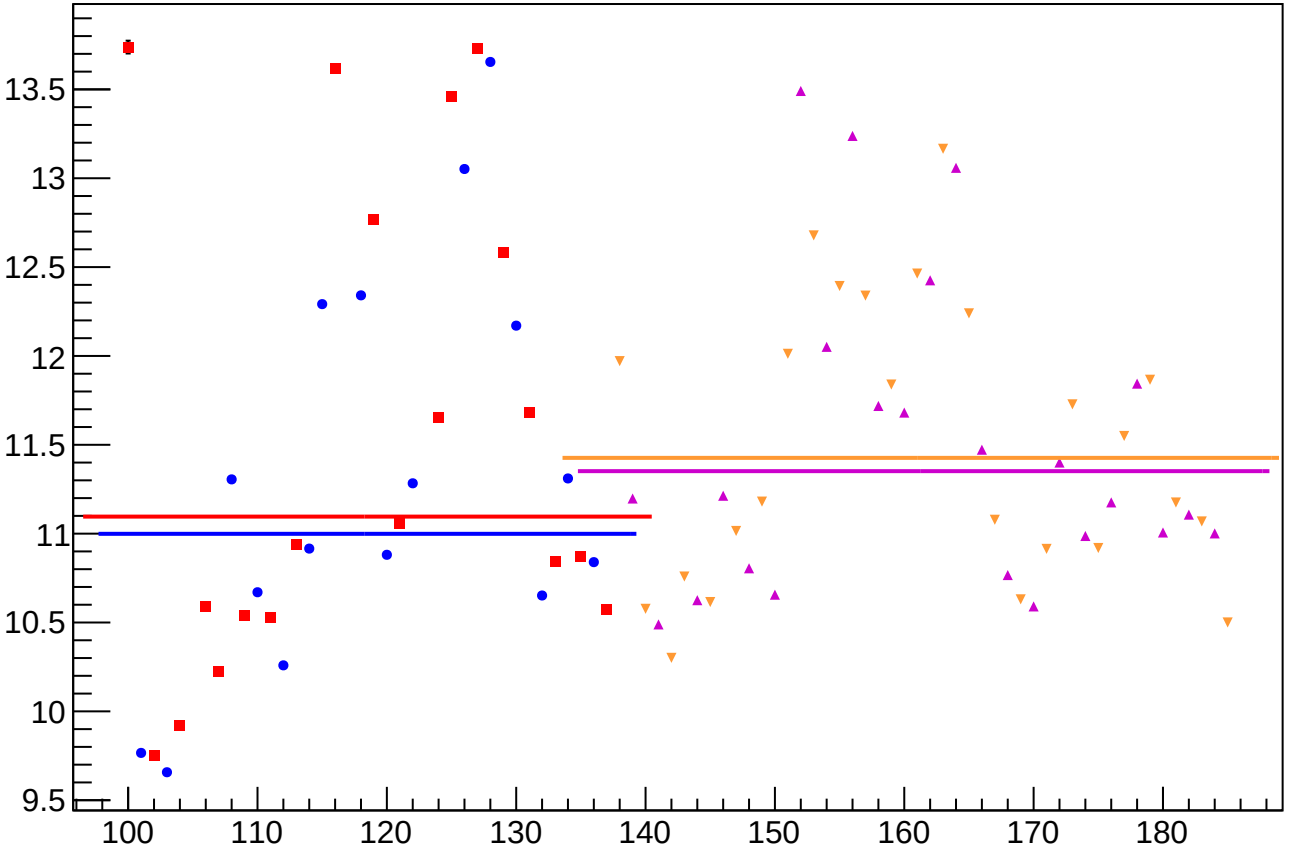
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.462+/-2.212 χ^2/NDF: 37.8/40

All: -1.489+/-1.574 χ^2/NDF: 103.6/82

- 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: 11.426+/-0.002 χ^2/NDF:156973.4/24

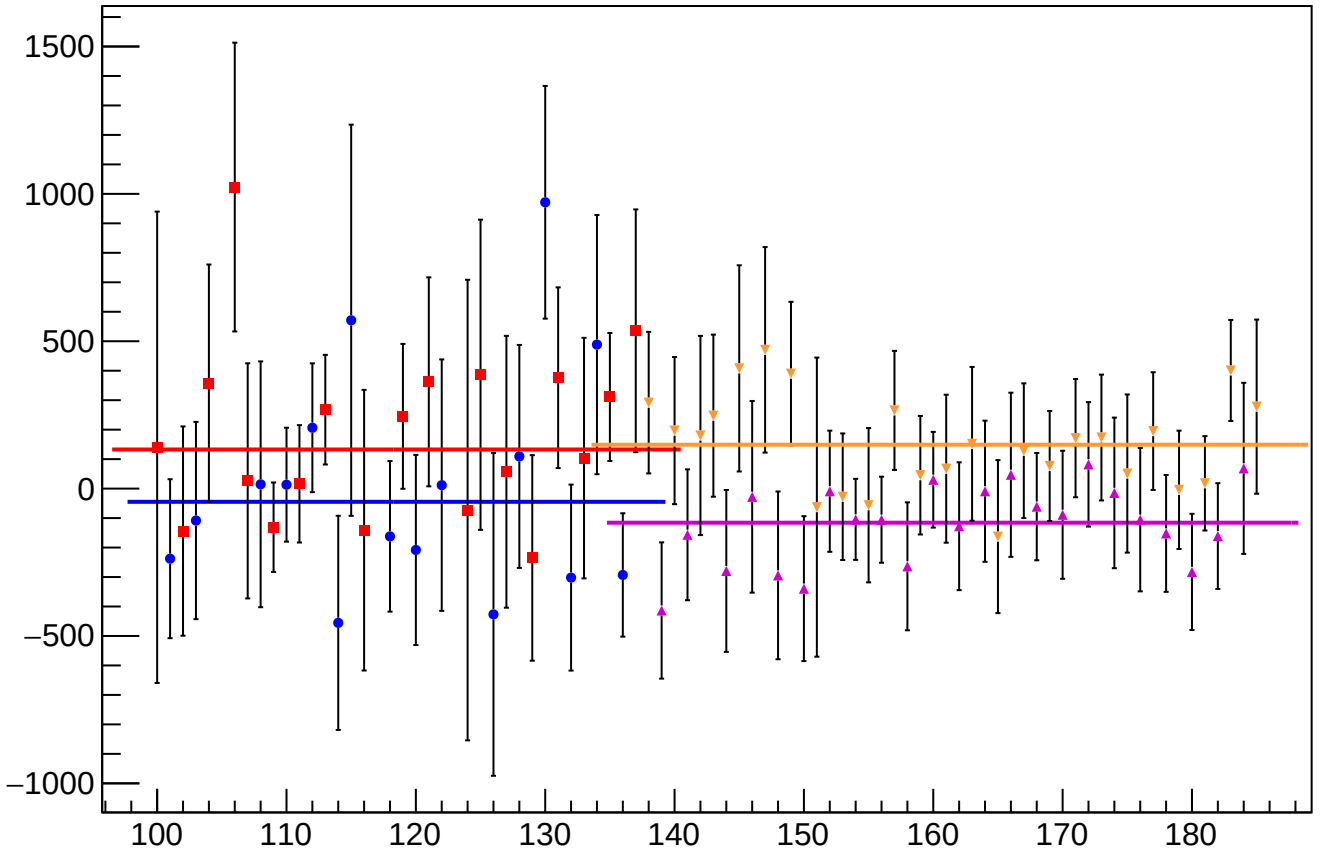
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.304+/-0.002 χ^2/NDF: 308404.7/40

All: 11.290+/-0.001 χ^2/NDF: 647506.8/82

- sign 11.275+/-0.002 χ^2/NDF: 338937.7/41



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

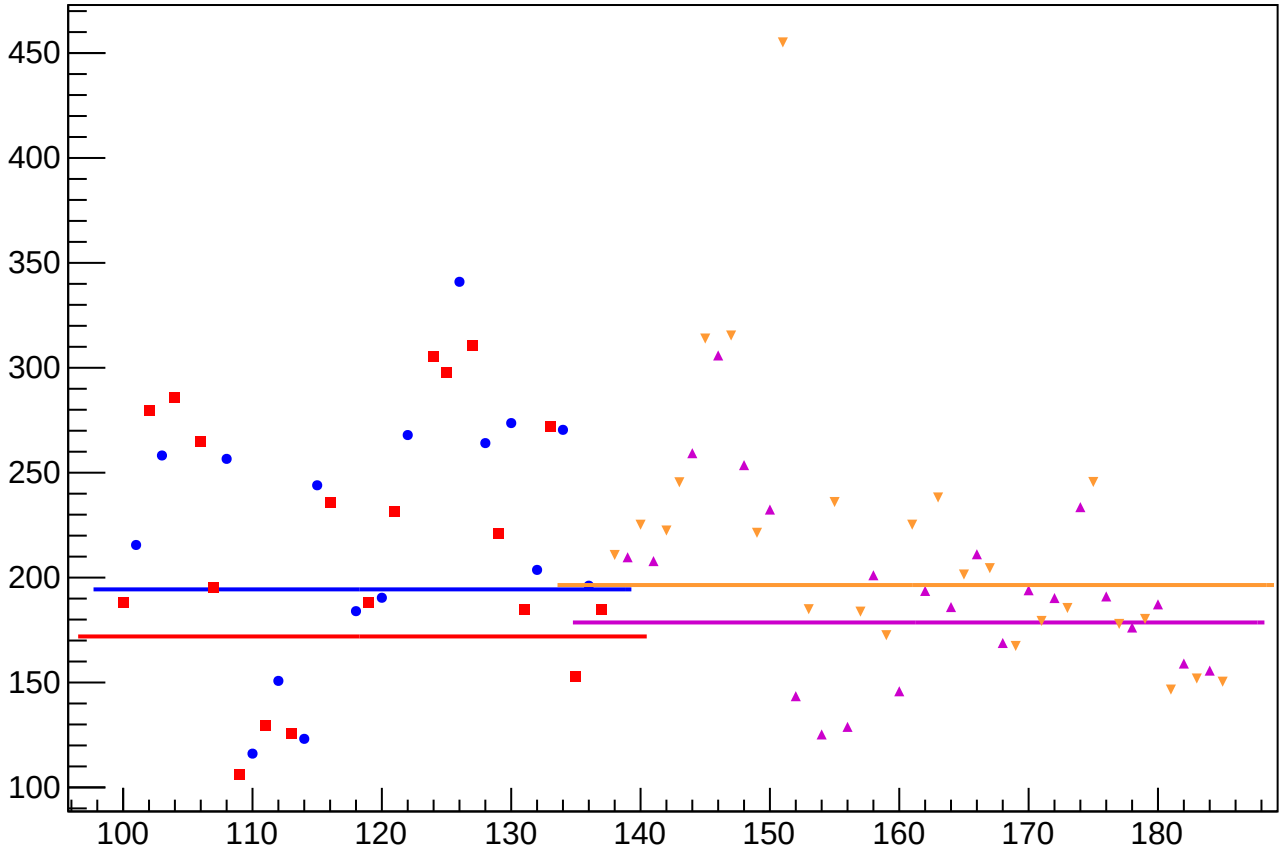
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 96.888+/-39.604 χ^2/NDF: 30.6/40

All: 21.417+/-26.946 χ^2/NDF: 67.4/82

- sign -43.639+/-36.770 χ^2/NDF: 30.1/41

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

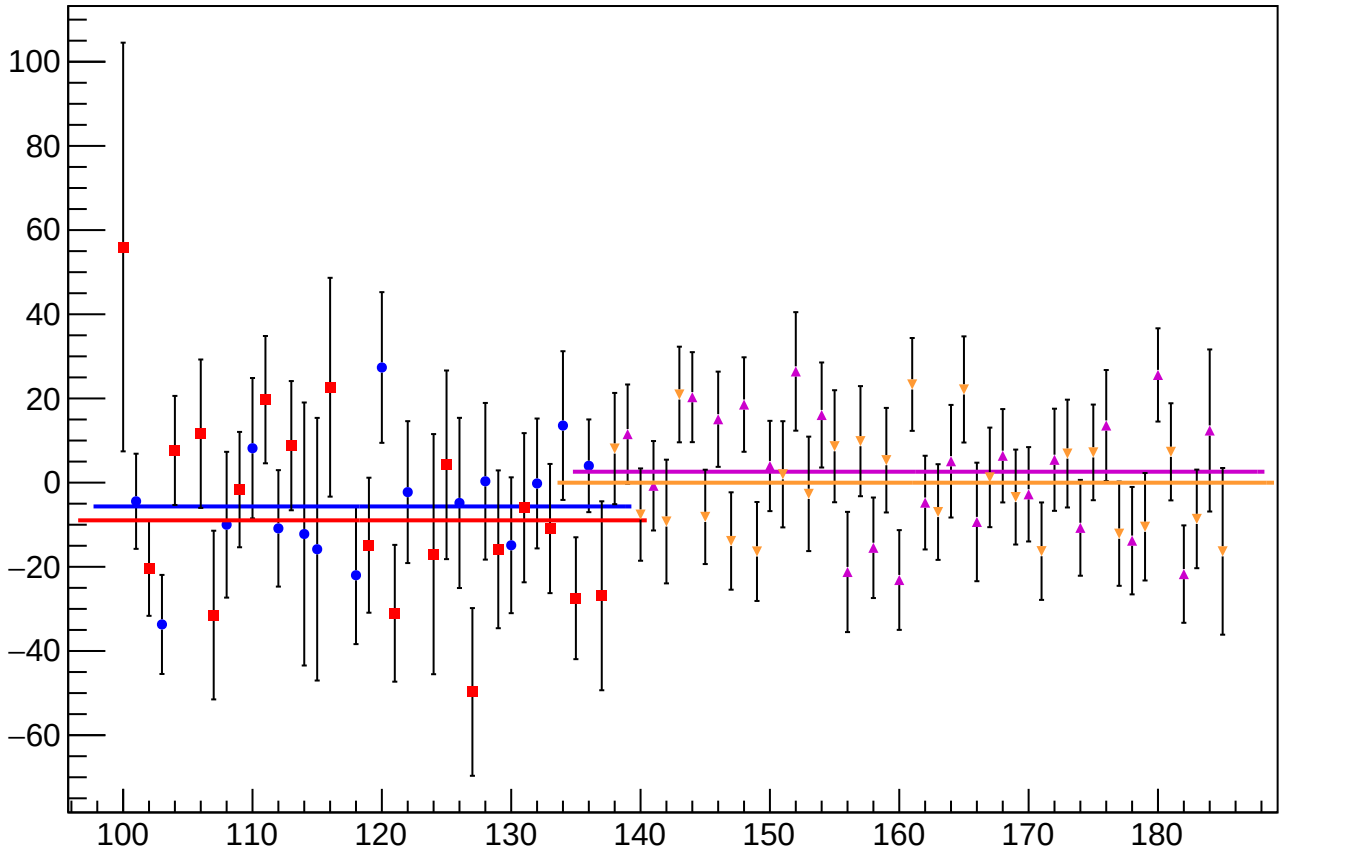
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 195.899+/-0.028 χ^2/NDF: 2861842.7/40

All: 185.578+/-0.019 χ^2/NDF: 6458509.0/82

- 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: -0.018+/-2.445 χ^2/NDF:23.7/24

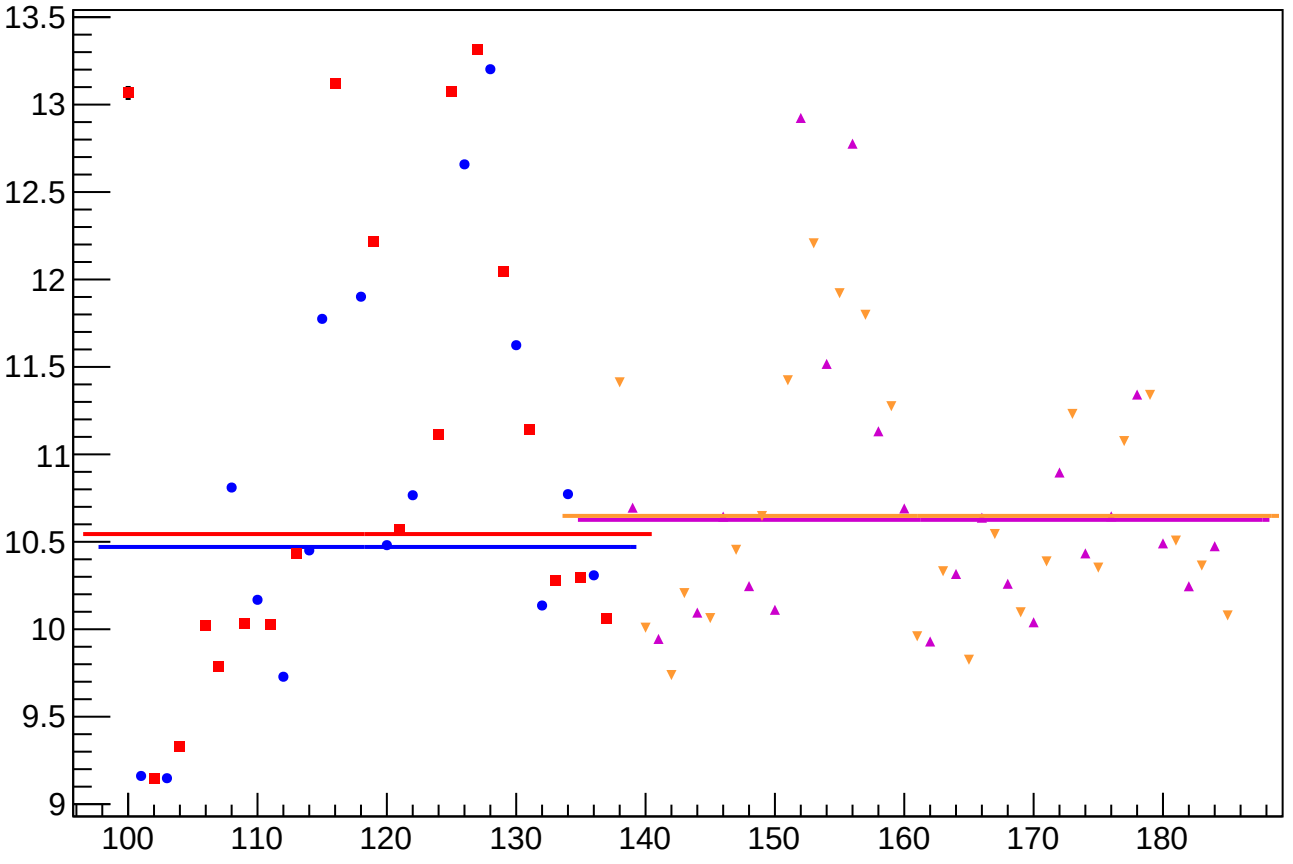
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.586+/-2.077 χ^2/NDF: 38.9/40

All: -1.191+/-1.480 χ^2/NDF: 102.7/82

- sign -0.783+/-2.108 χ^2/NDF: 63.8/41



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

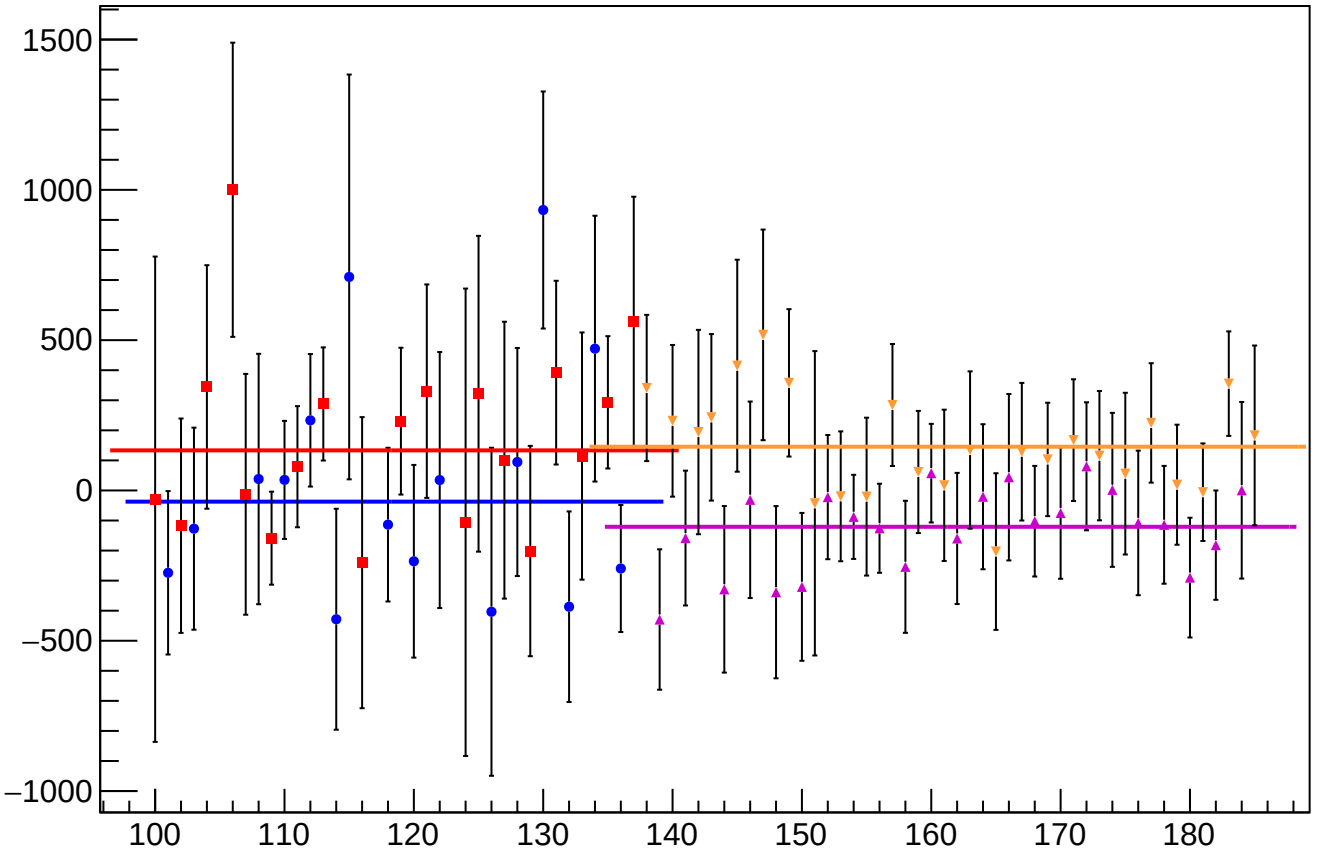
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.599+/-0.001 χ^2/NDF: 303838.5/40

All: 10.600+/-0.001 χ^2/NDF: 650779.1/82

- 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: 145.545+/-46.613 χ^2/NDF:10.3/24

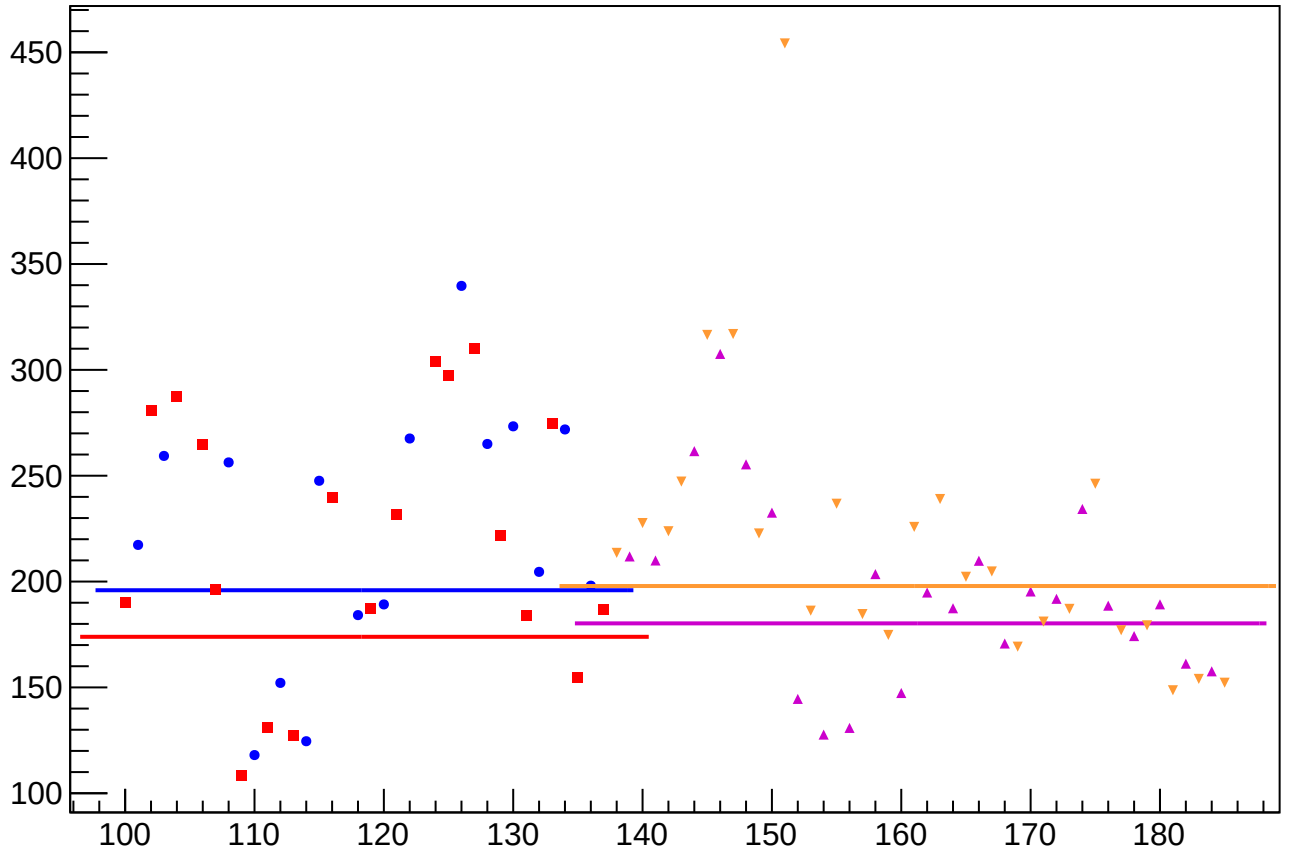
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 96.445+/-39.864 χ^2/NDF: 30.1/40

All: 19.416+/-27.150 χ^2/NDF: 67.8/82

- sign -47.221+/-37.078 χ^2/NDF: 30.8/41



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

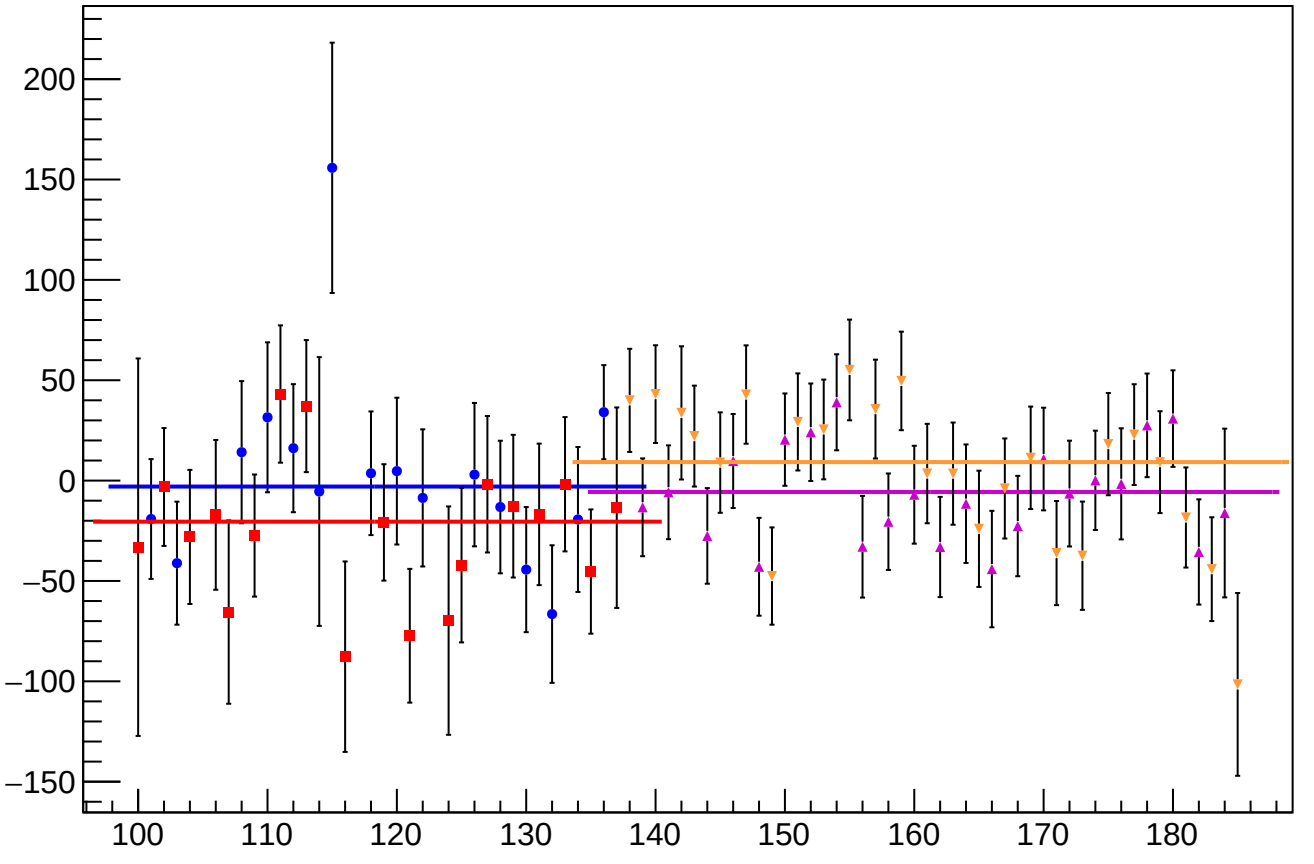
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 197.356+/-0.028 χ^2/NDF: 2800841.3/40

All: 187.197+/-0.019 χ^2/NDF: 6282508.0/82

- 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: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

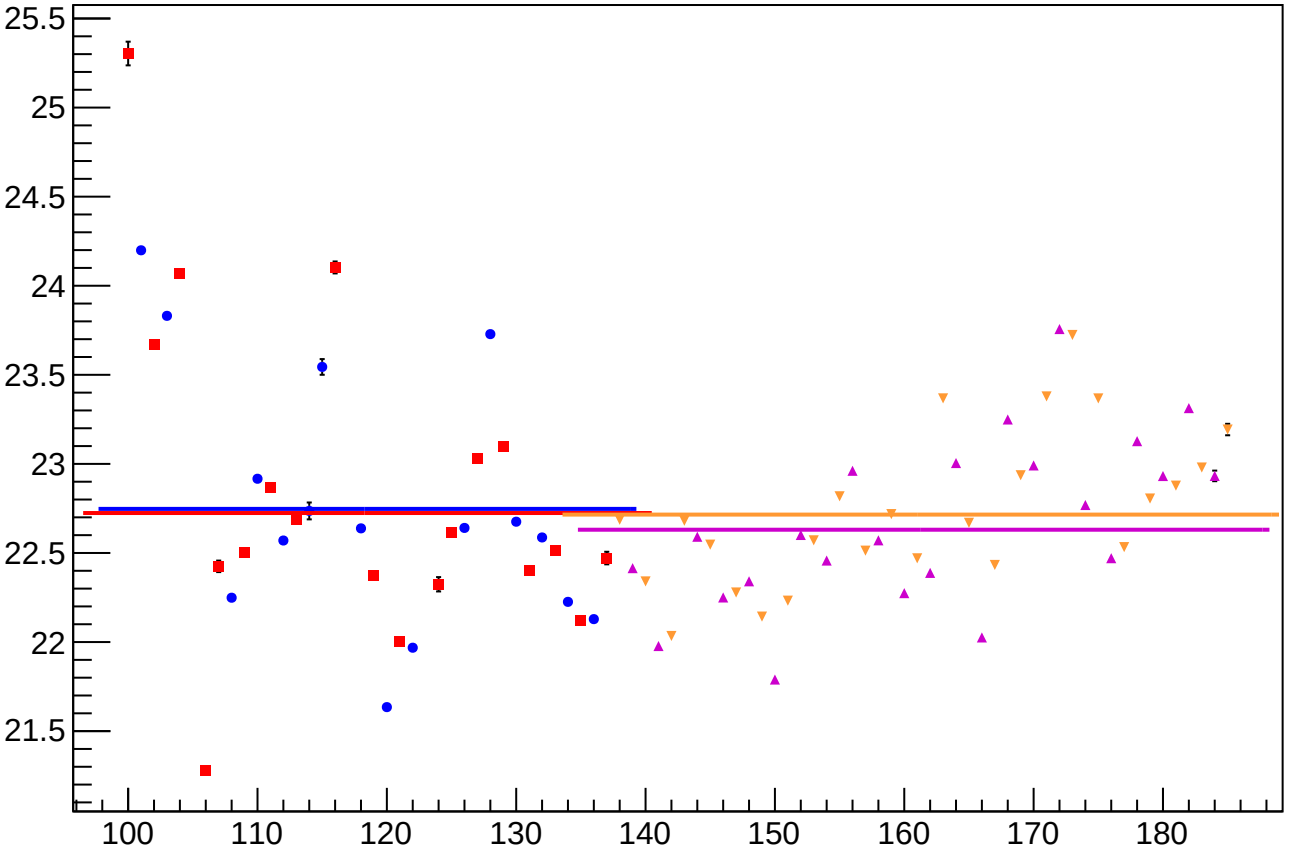
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.920+/-4.406 χ^2/NDF: 58.9/40

All: -1.918+/-3.134 χ^2/NDF: 103.6/82

- 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: 22.715+/-0.004 χ^2/NDF:12181.4/24

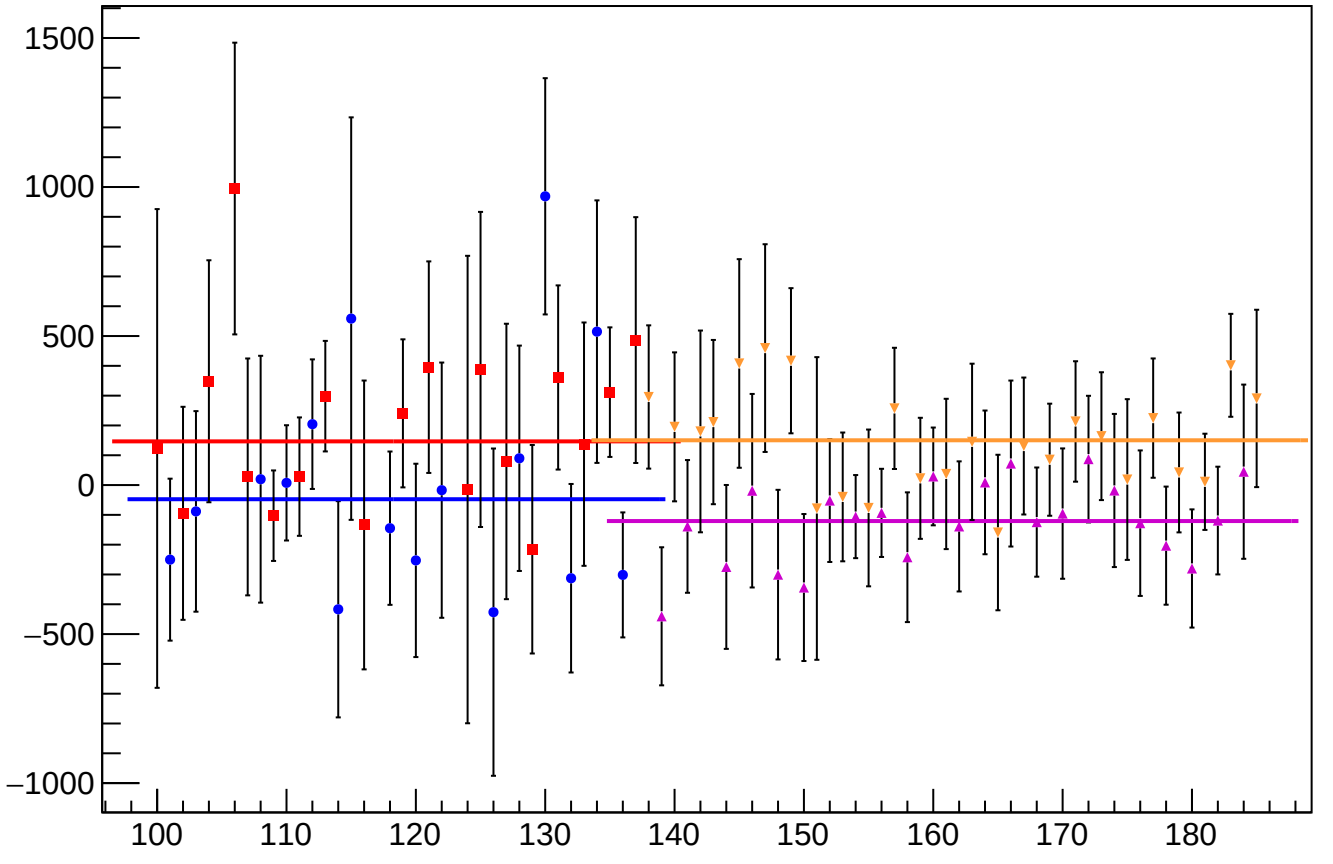
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.724+/-0.003 χ^2/NDF: 26825.1/40

All: 22.691+/-0.002 χ^2/NDF: 57114.1/82

- 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: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

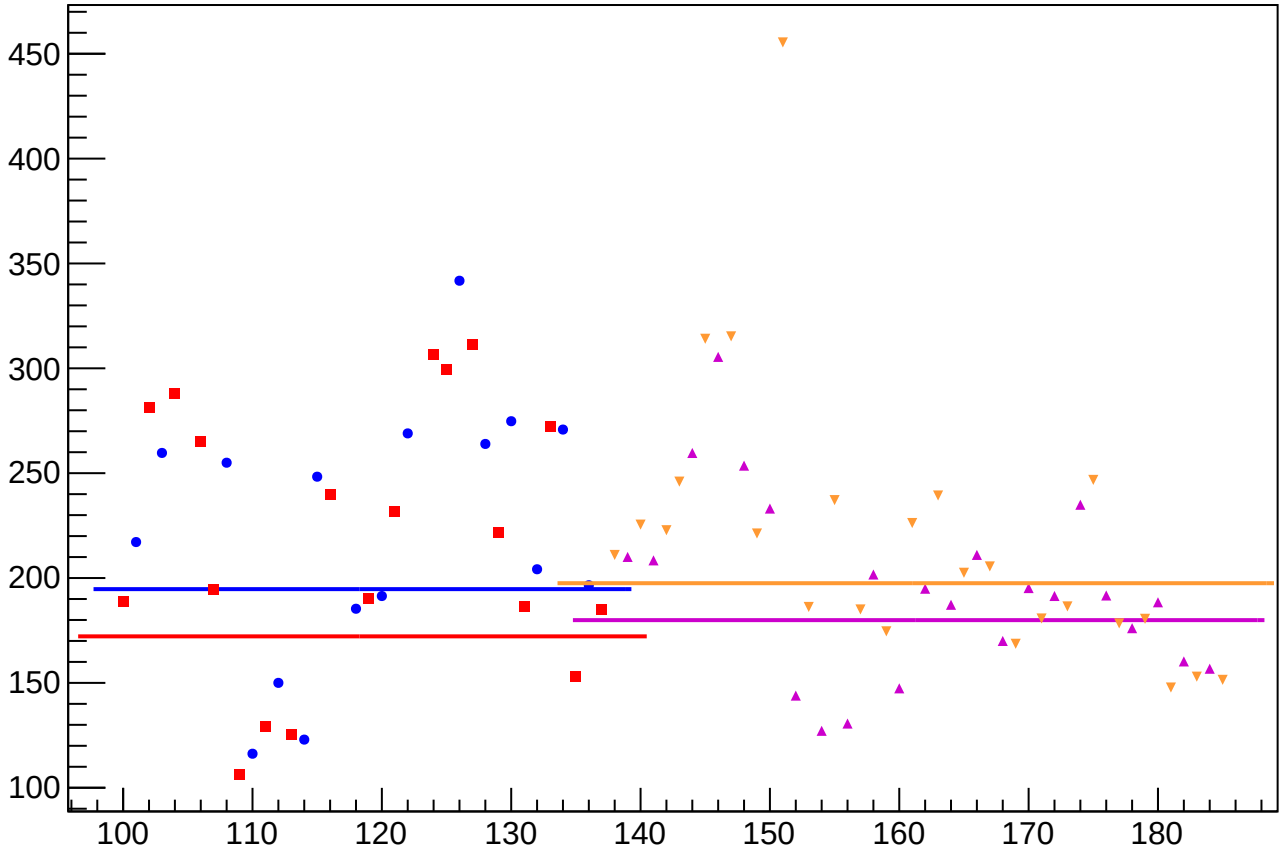
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 96.883+/-39.767 χ^2/NDF: 31.2/40

All: 21.979+/-27.071 χ^2/NDF: 68.1/82

- 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: 197.534+/-0.033 χ^2/NDF:1789891.0/24

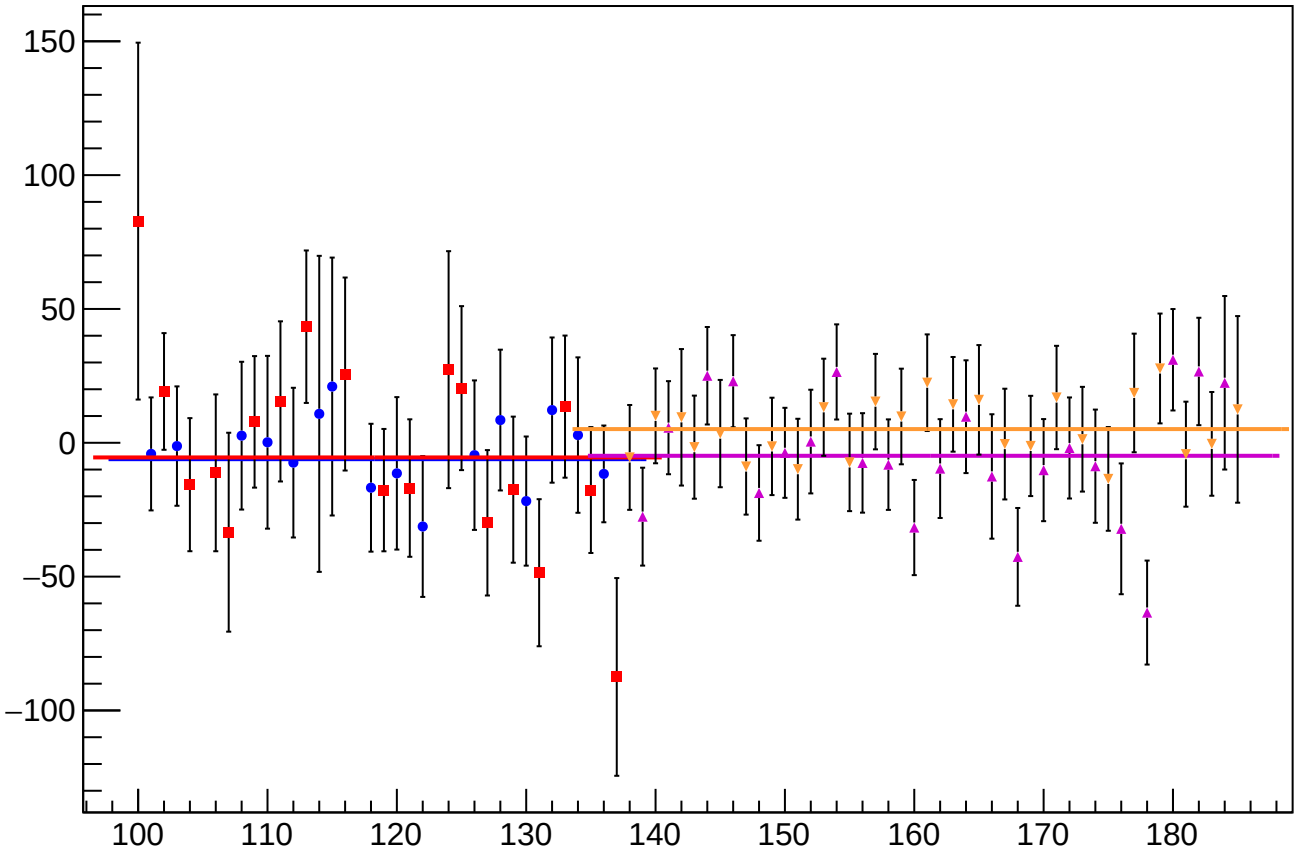
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 196.772+/-0.028 χ^2/NDF: 2844169.6/40

All: 186.519+/-0.019 χ^2/NDF: 6405254.8/82

- 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: 5.119+/-3.890 χ^2/NDF:7.9/24

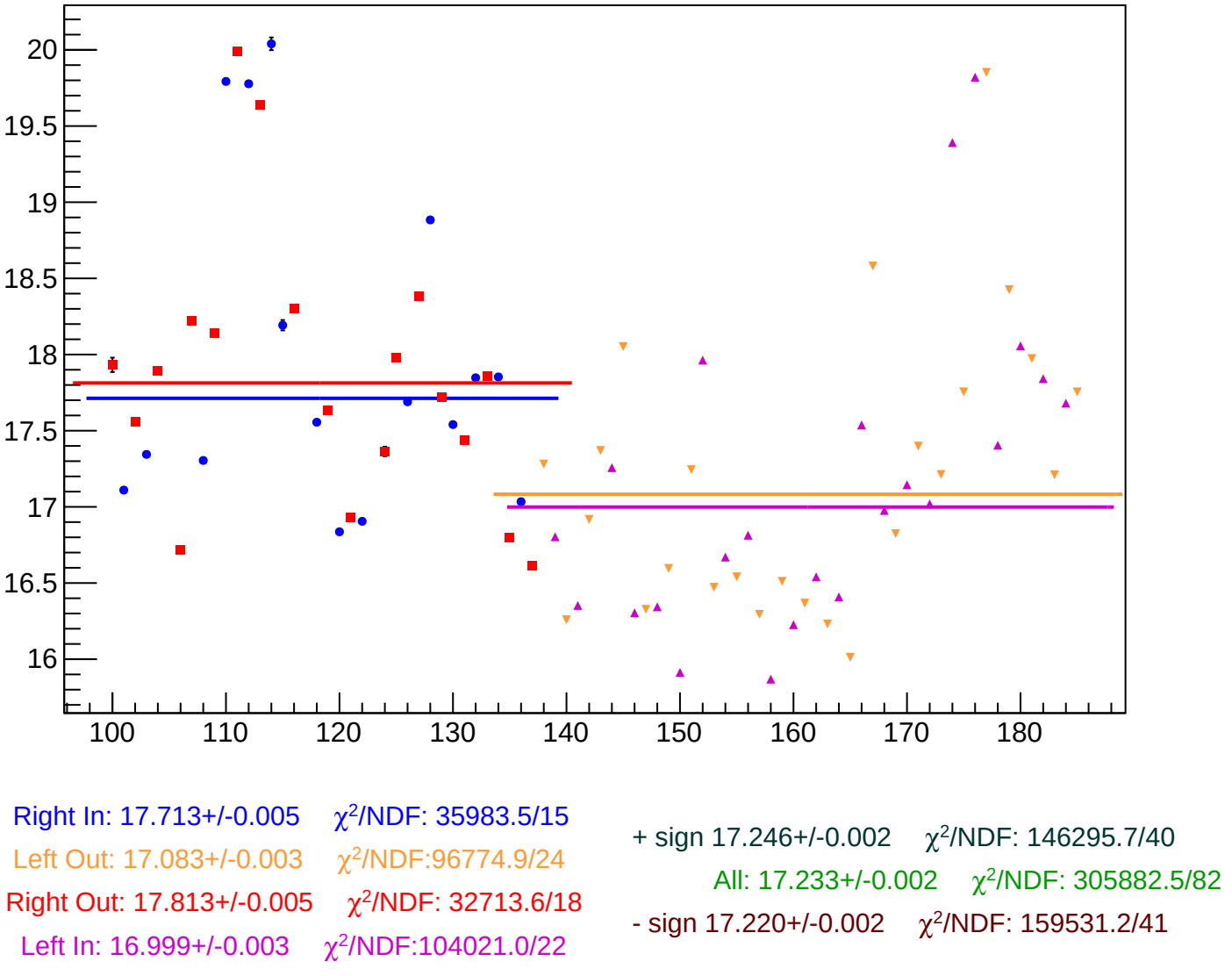
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

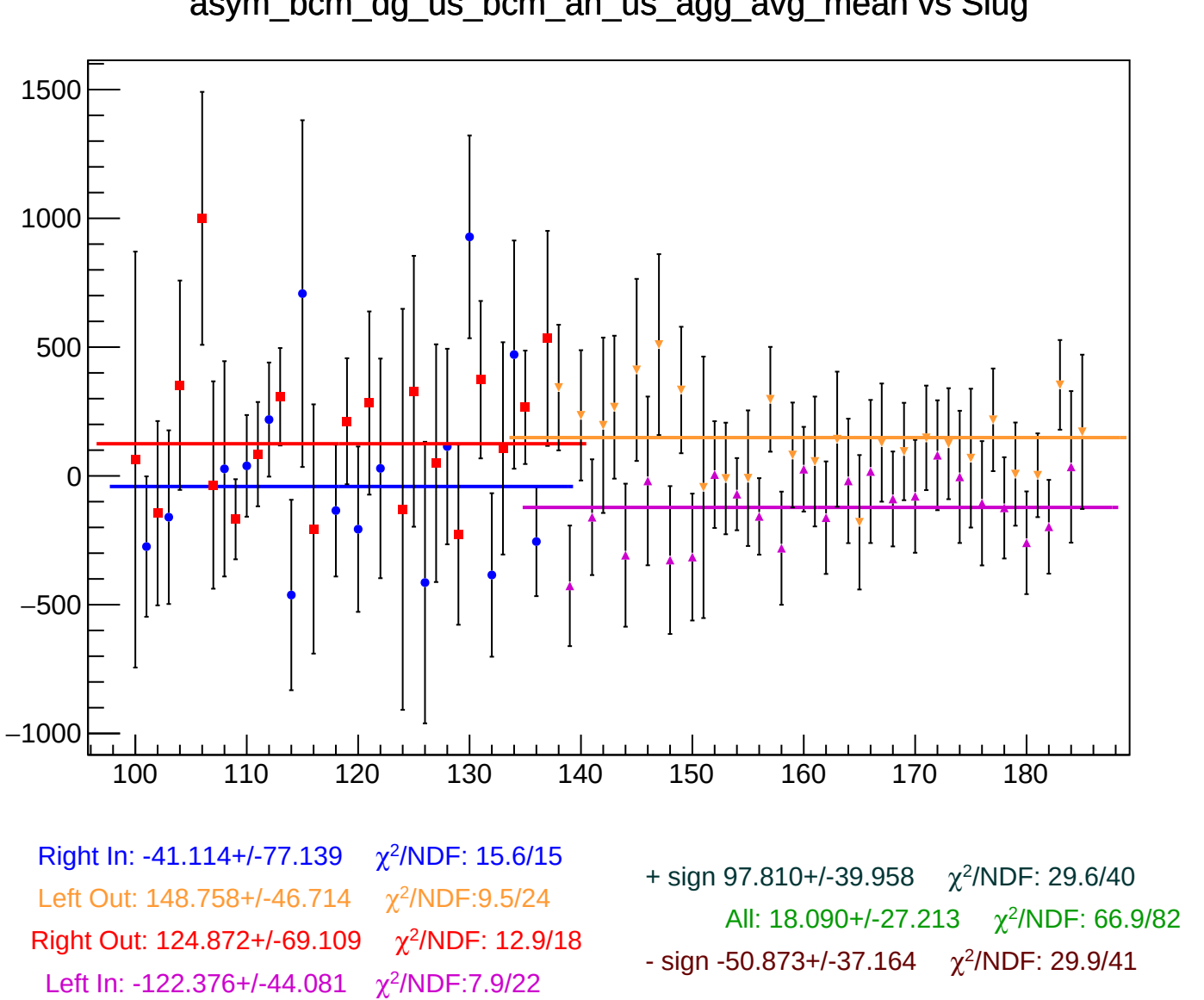
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

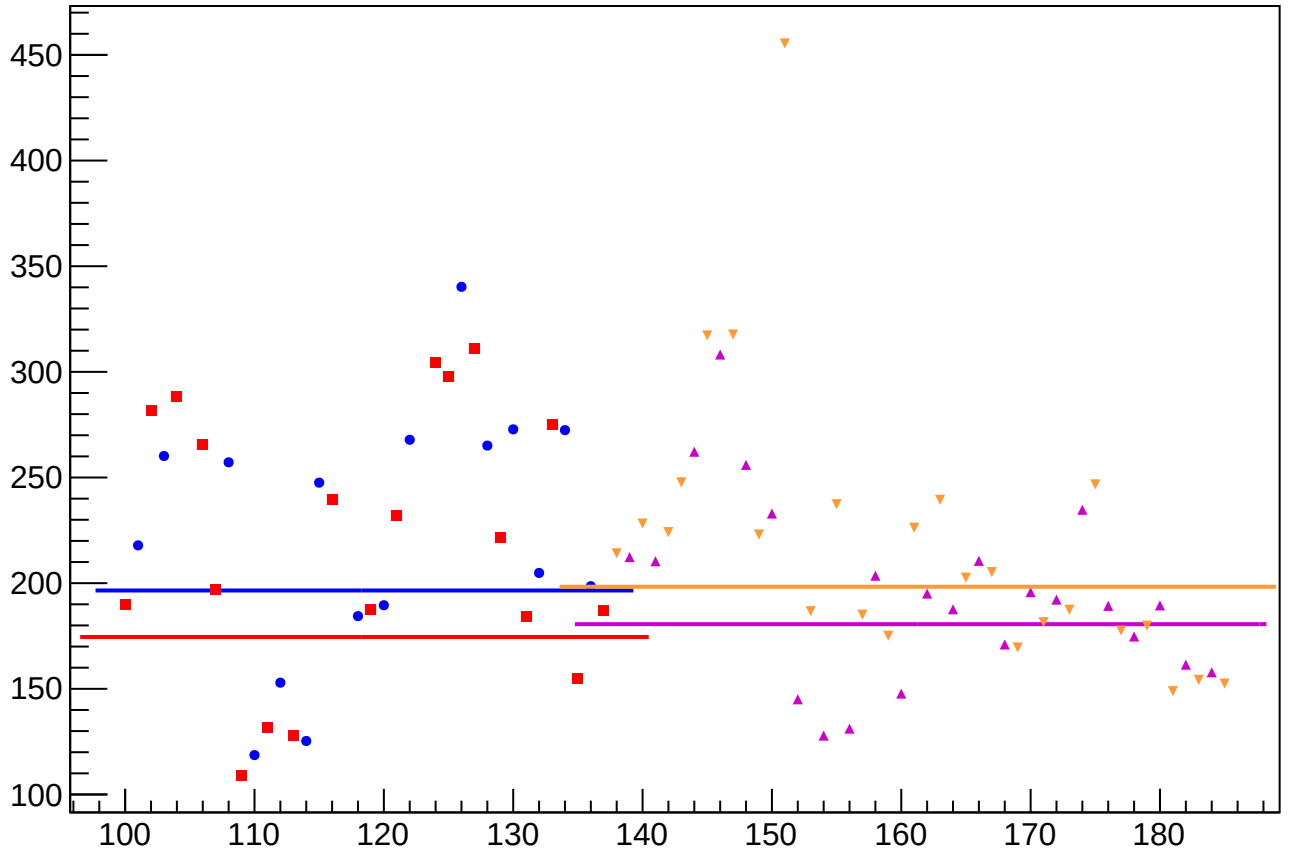
+ sign 2.216+/-3.350 χ^2/NDF: 13.2/40

All: -1.355+/-2.385 χ^2/NDF: 70.2/82

- sign -5.025+/-3.396 χ^2/NDF: 54.7/41


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug
20
19.5
19
18.5
18
17.5
17
16.5
16
100
110
120
130
140
150
160
170
180
Right In: 17.713+/-0.005 χ²/NDF: 35983.5/15
Left Out: 17.083+/-0.003 χ²/NDF:96774.9/24
Right Out: 17.813+/-0.005 χ²/NDF: 32713.6/18
Left In: 16.999+/-0.003 χ²/NDF:104021.0/22
+ sign 17.246+/-0.002 χ²/NDF: 146295.7/40
All: 17.233+/-0.002 χ²/NDF: 305882.5/82
- sign 17.220+/-0.002 χ²/NDF: 159531.2/41


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -41.114+/-77.139 χ²/NDF: 15.6/15
Left Out: 148.758+/-46.714 χ²/NDF:9.5/24
Right Out: 124.872+/-69.109 χ²/NDF: 12.9/18
Left In: -122.376+/-44.081 χ²/NDF:7.9/22
+ sign 97.810+/-39.958 χ²/NDF: 29.6/40
All: 18.090+/-27.213 χ²/NDF: 66.9/82
- sign -50.873+/-37.164 χ²/NDF: 29.9/41



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

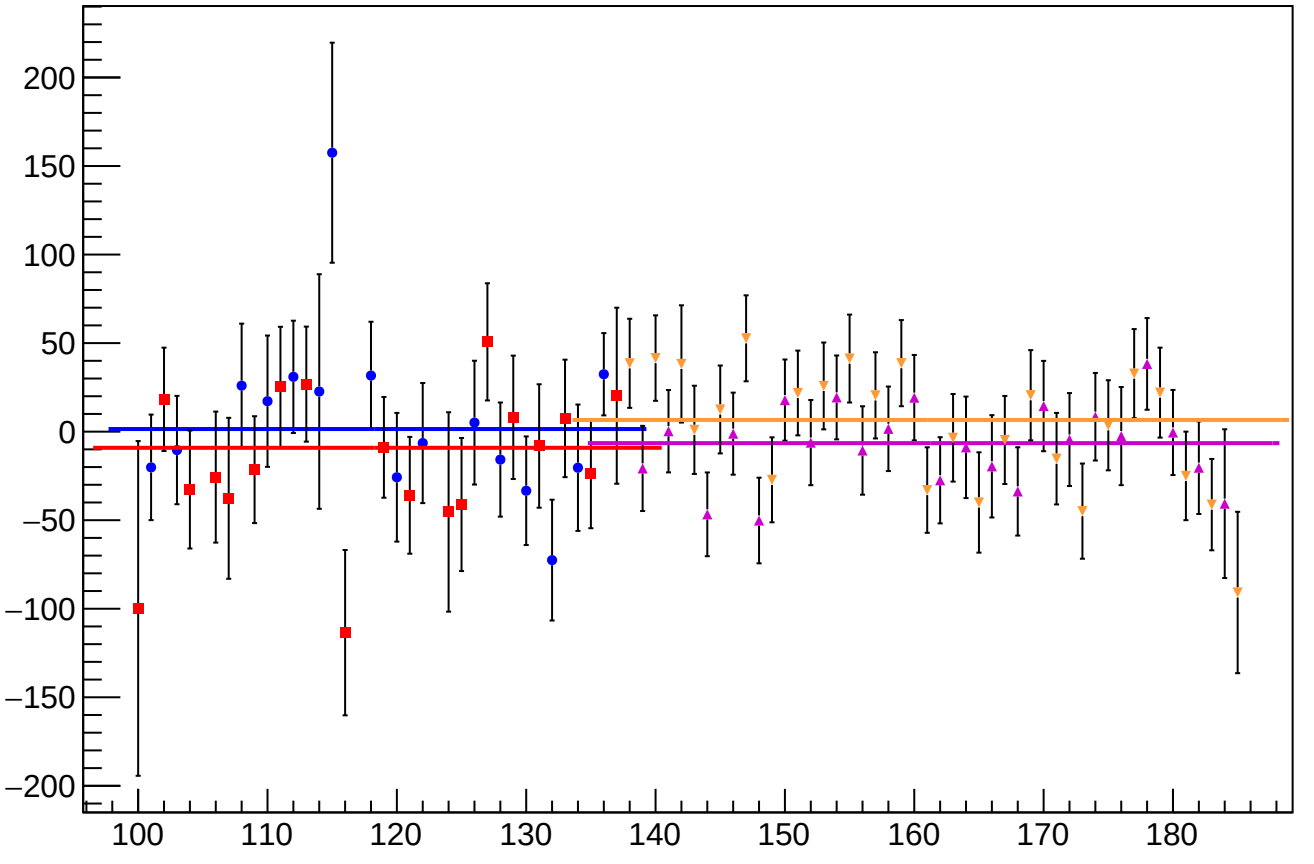
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 197.838+/-0.028 χ^2/NDF: 2791821.2/40

All: 187.656+/-0.019 χ^2/NDF: 6261746.2/82

- 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: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

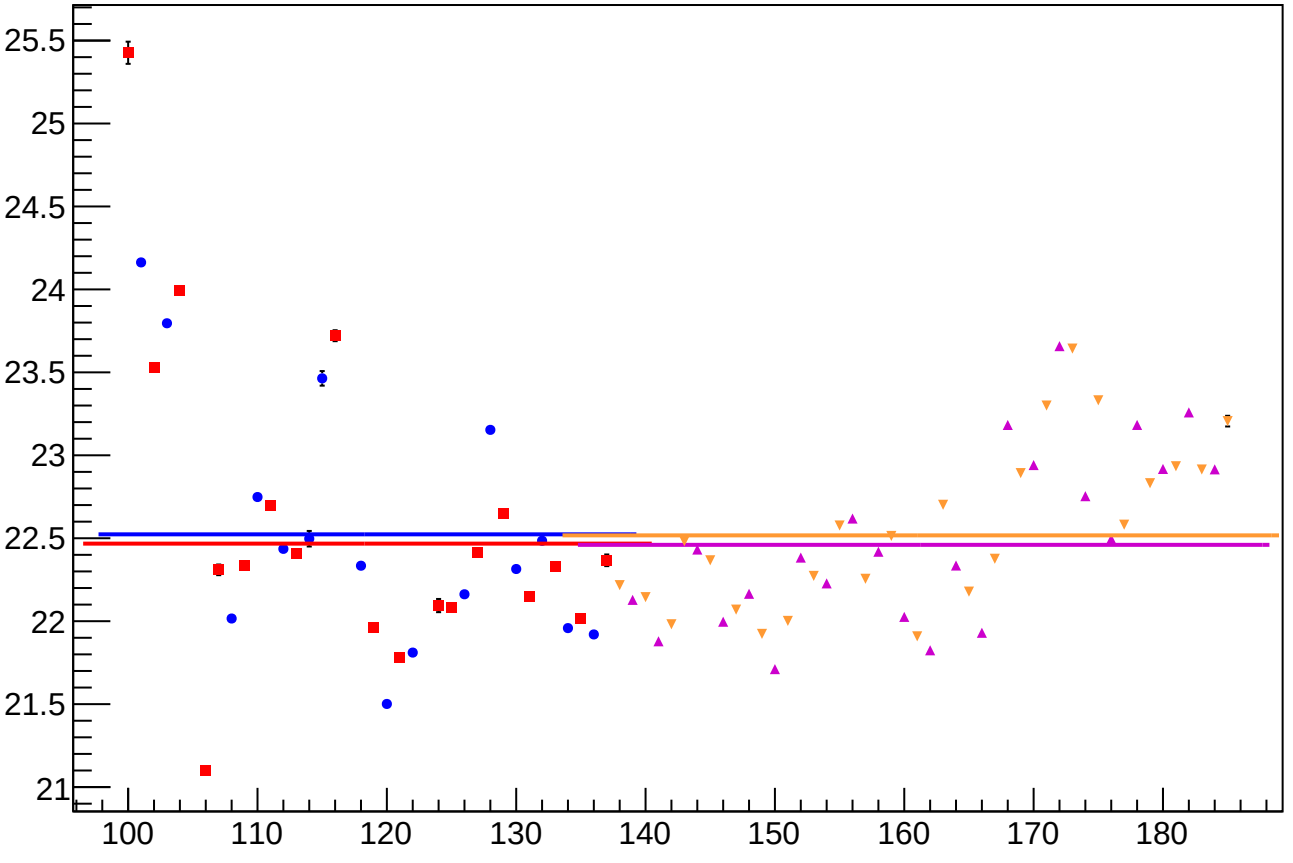
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.214+/-4.366 χ^2/NDF: 55.8/40

All: -0.941+/-3.106 χ^2/NDF: 93.8/82

- 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: 22.517+/-0.004 χ^2/NDF:16002.5/24

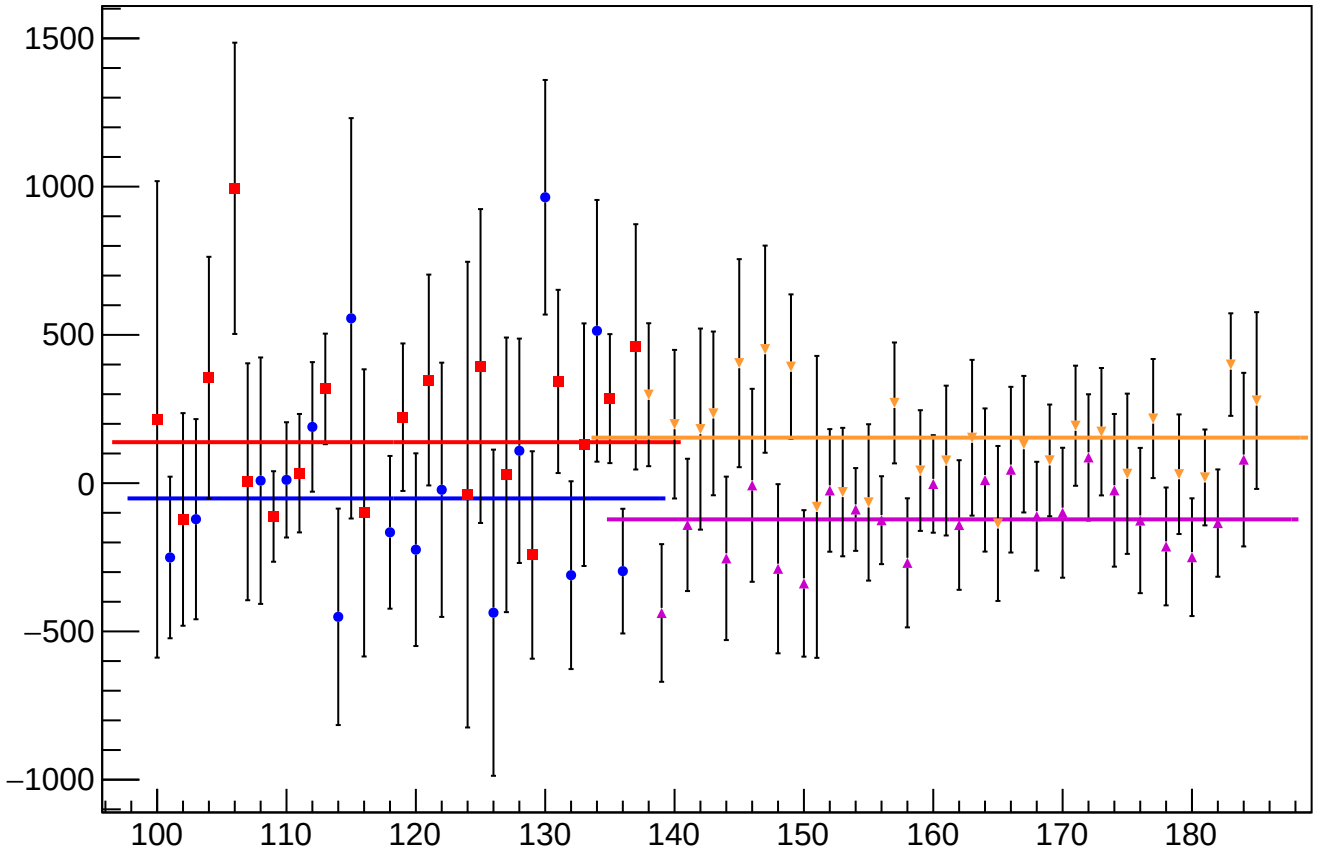
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.519+/-0.003 χ^2/NDF: 31951.1/40

All: 22.491+/-0.002 χ^2/NDF: 66862.6/82

- 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: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

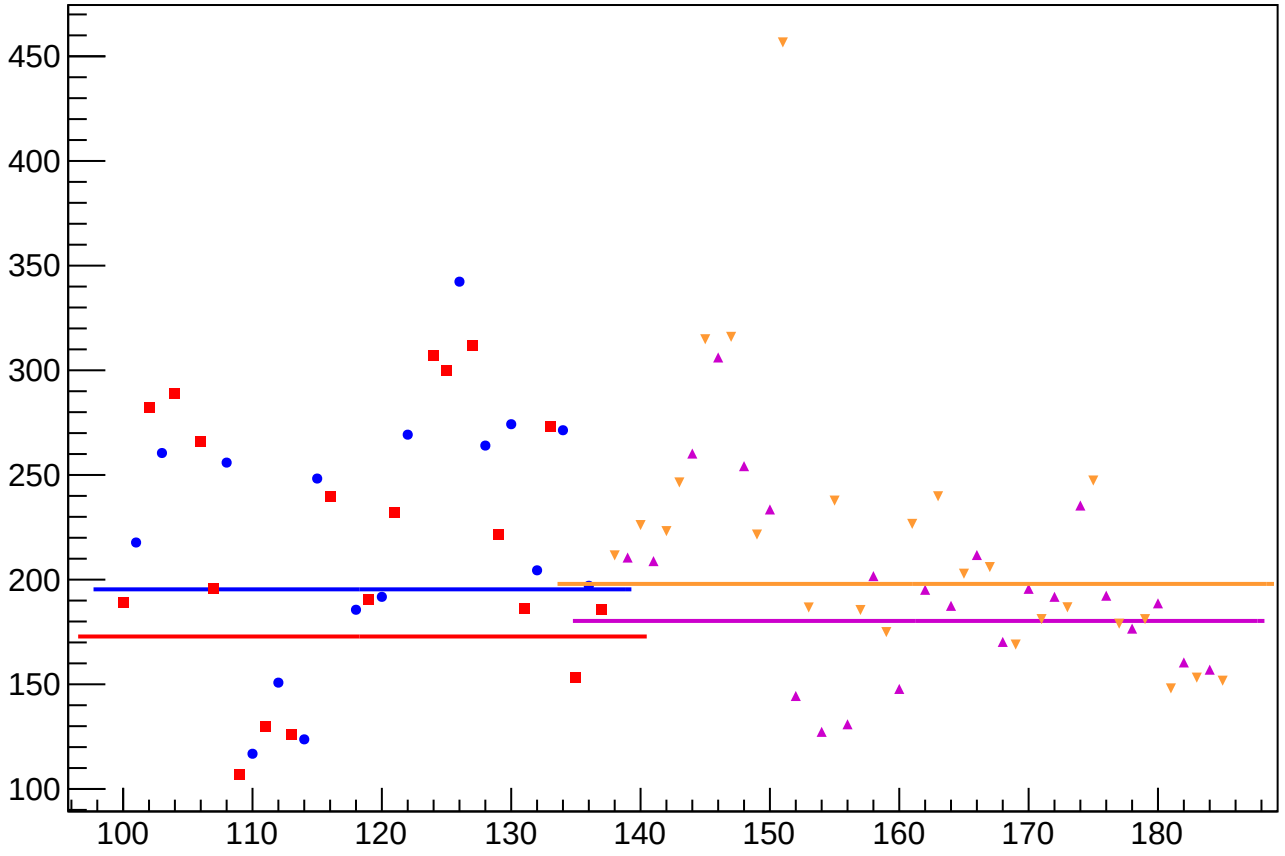
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 98.278+/-39.862 χ^2/NDF: 30.6/40

All: 20.698+/-27.136 χ^2/NDF: 66.9/82

- sign -46.302+/-37.044 χ^2/NDF: 29.3/41

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

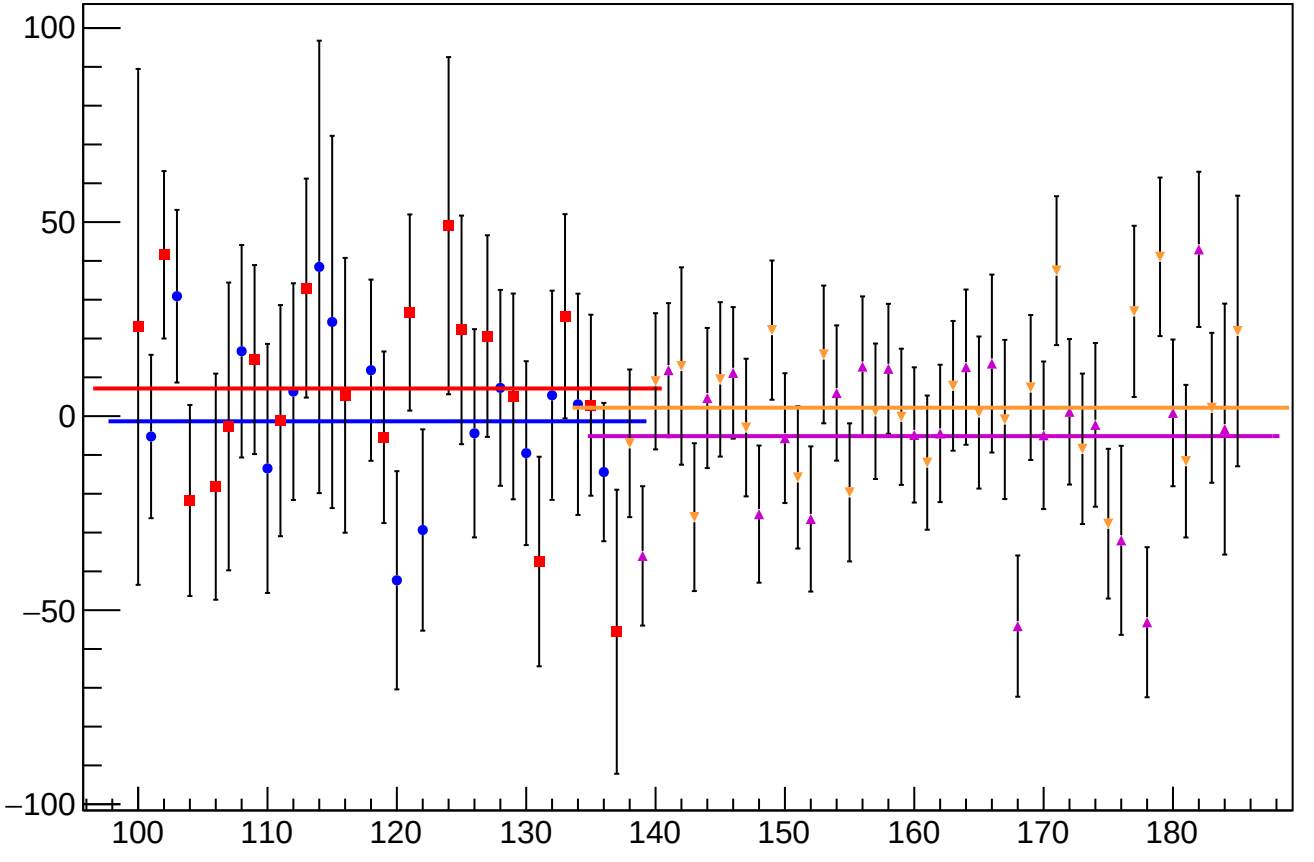
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 197.258+/-0.028 χ^2/NDF: 2834456.7/40

All: 186.982+/-0.019 χ^2/NDF: 6382914.7/82

- sign 178.107+/-0.026 χ^2/NDF: 3300759.1/41

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

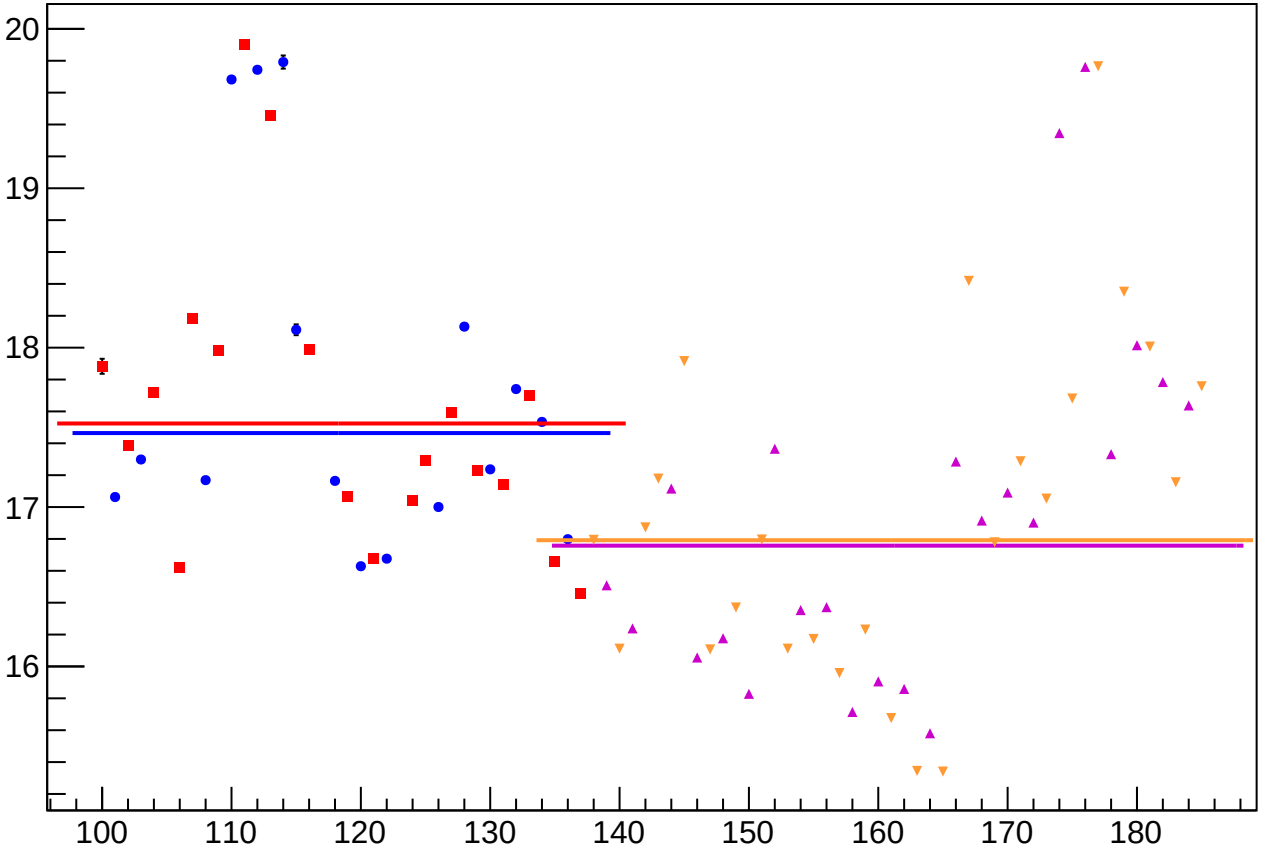
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.272+/-3.296 χ^2/NDF: 28.2/40

All: -0.240+/-2.348 χ^2/NDF: 78.0/82

- 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: 16.792+/-0.003 χ^2/NDF:137000.5/24

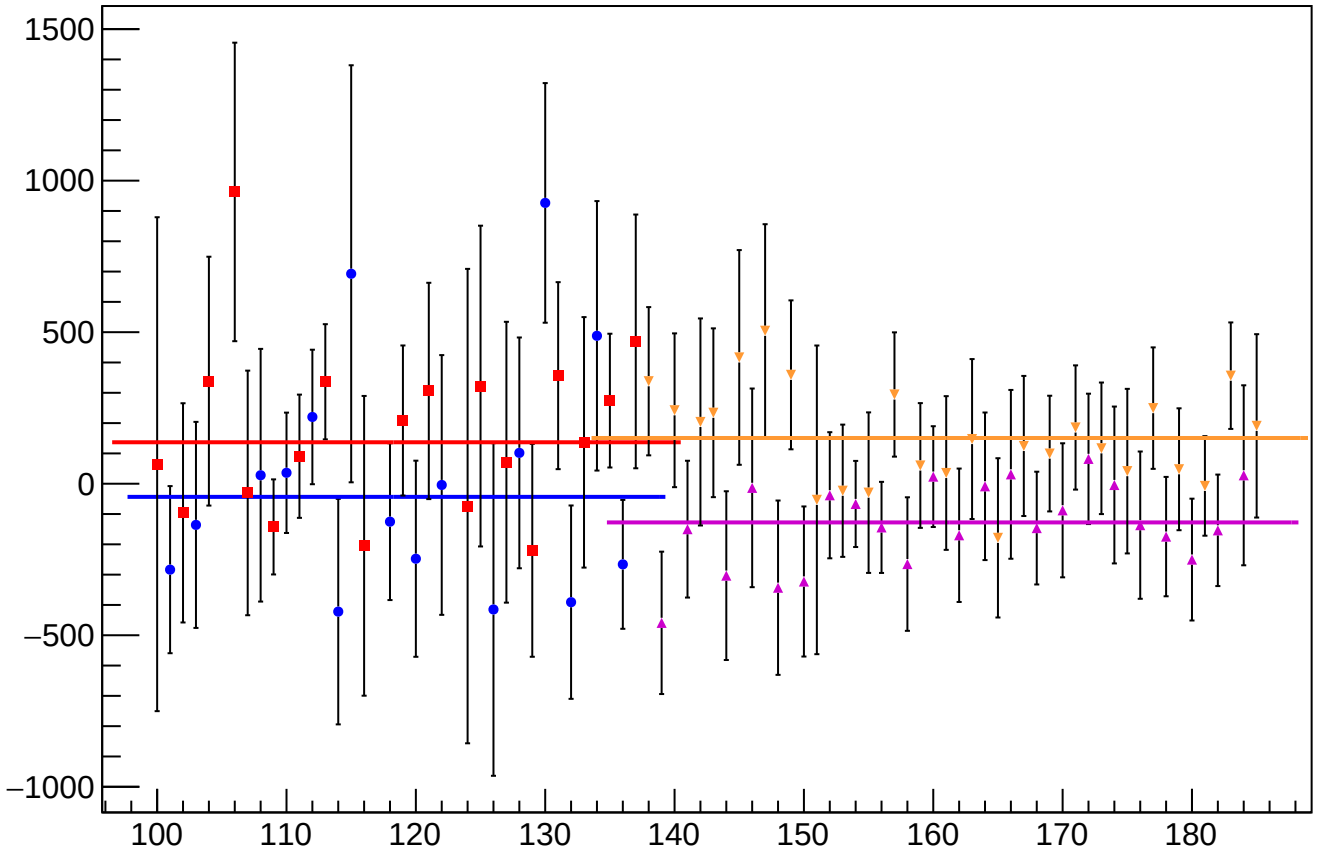
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.965+/-0.002 χ^2/NDF: 189543.2/40

All: 16.966+/-0.002 χ^2/NDF: 368418.1/82

\- 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: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

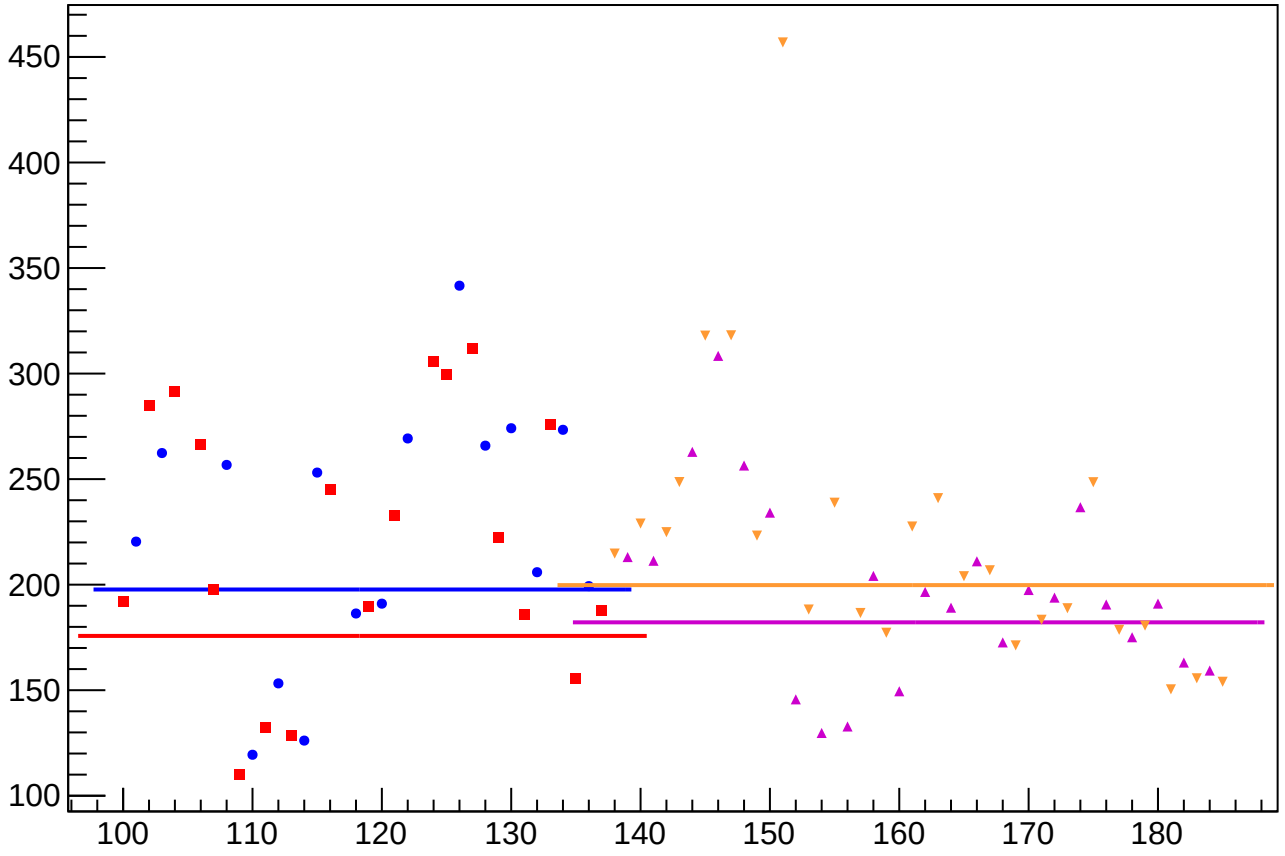
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 98.673+/-40.221 χ^2/NDF: 30.0/40

All: 18.445+/-27.405 χ^2/NDF: 67.1/82

- 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: 199.785+/-0.033 χ^2/NDF:1760326.2/24

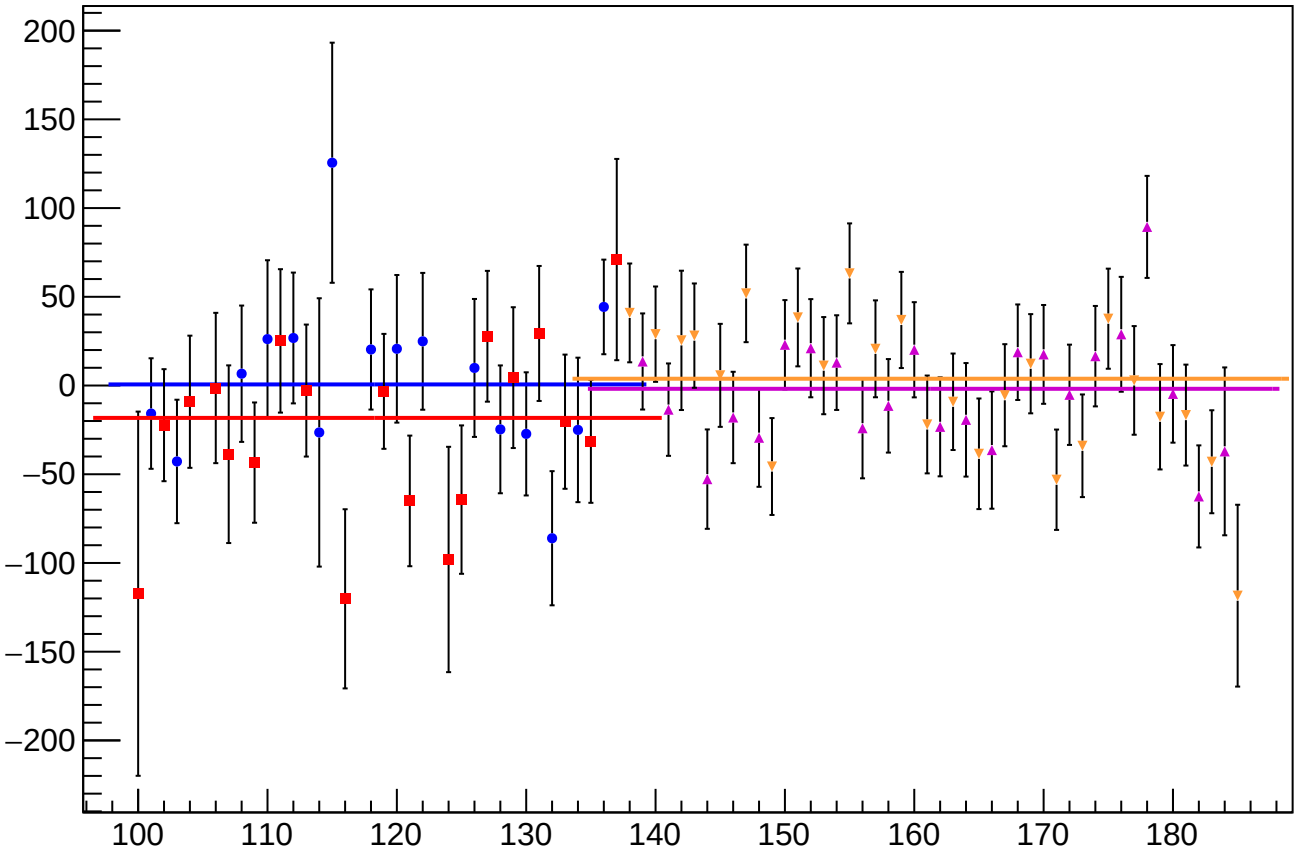
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 199.226+/-0.028 χ^2/NDF: 2761699.4/40

All: 189.079+/-0.019 χ^2/NDF: 6186391.1/82

- sign 180.286+/-0.026 χ^2/NDF: 3187074.1/41



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

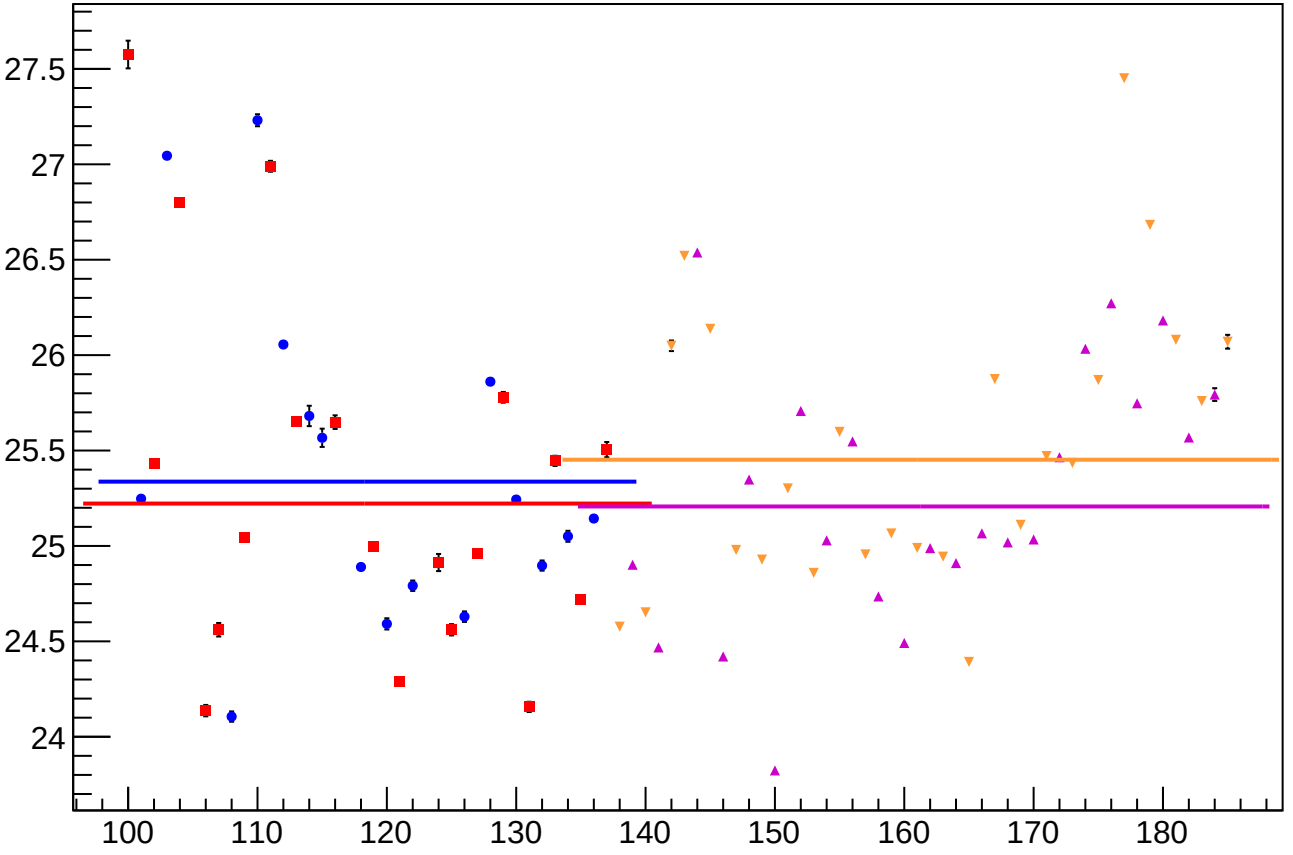
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.950+/-4.932 χ^2/NDF: 54.4/40

All: -1.802+/-3.499 χ^2/NDF: 104.6/82

- sign -6.614+/-4.964 χ^2/NDF: 48.3/41

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

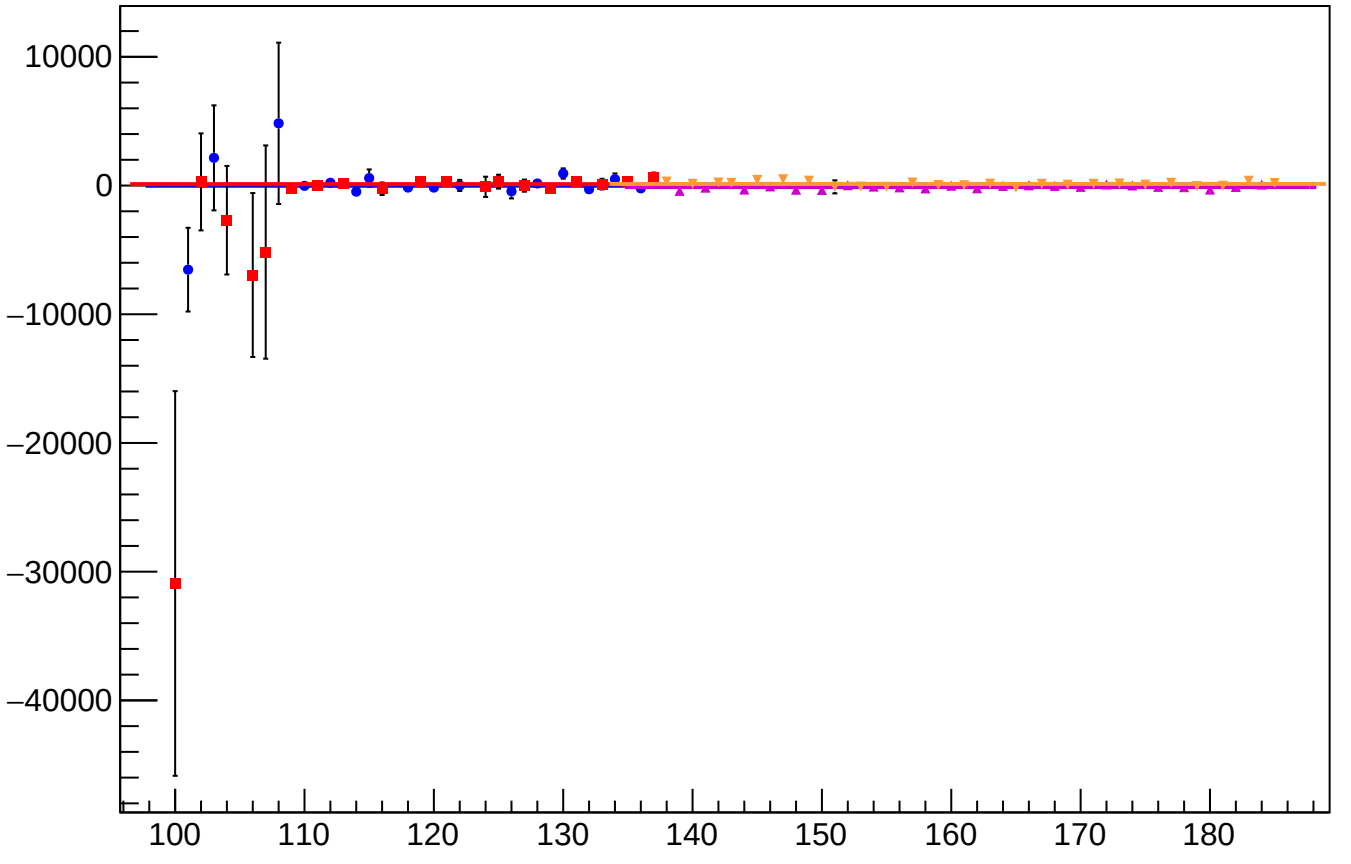
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.420+/-0.003 χ^2/NDF: 44143.1/40

All: 25.316+/-0.002 χ^2/NDF: 86984.4/82

- sign 25.211+/-0.004 χ^2/NDF: 41055.8/41



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

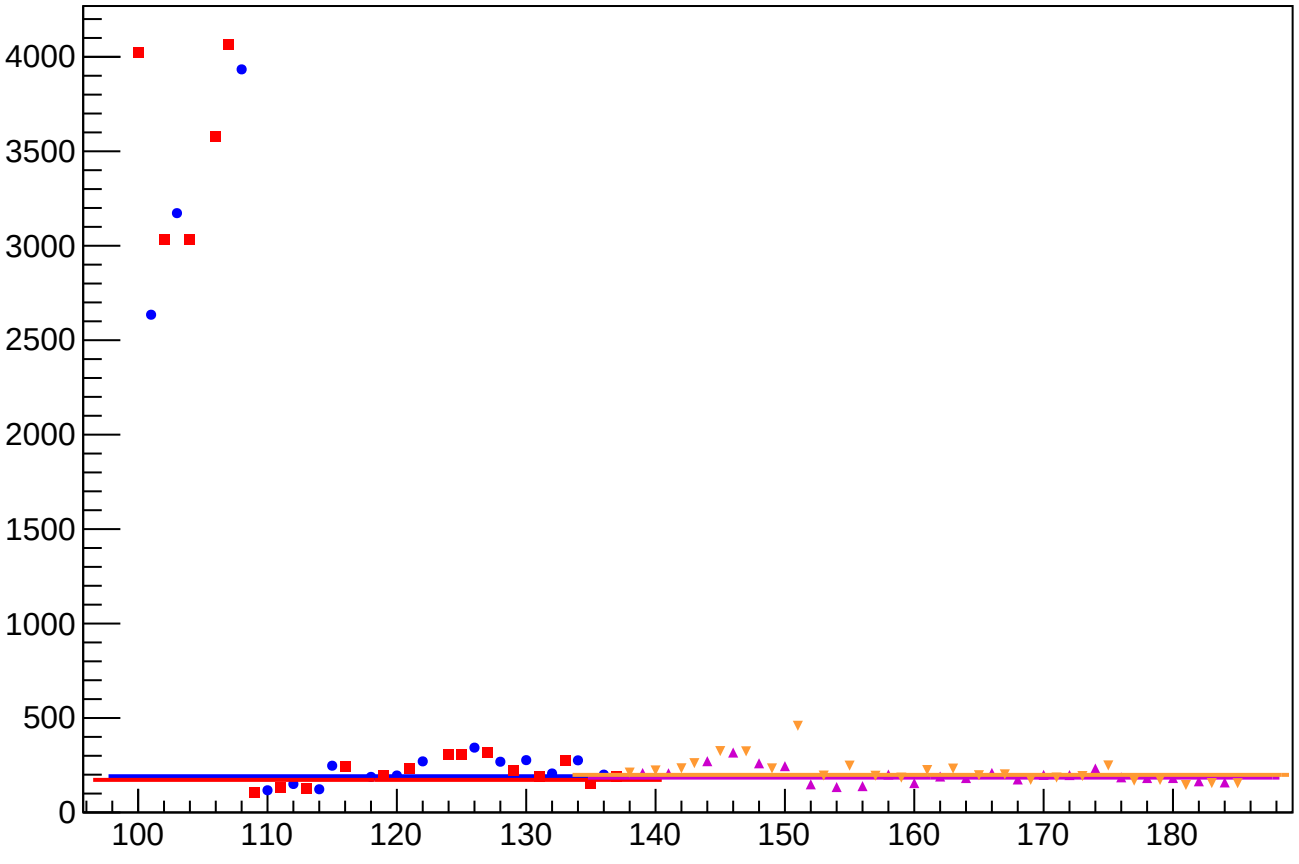
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 92.138+/-41.047 χ^2/NDF: 31.5/40

All: 11.381+/-28.238 χ^2/NDF: 67.2/82

- 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: 198.994+/-0.033 χ^2/NDF:1902155.1/24

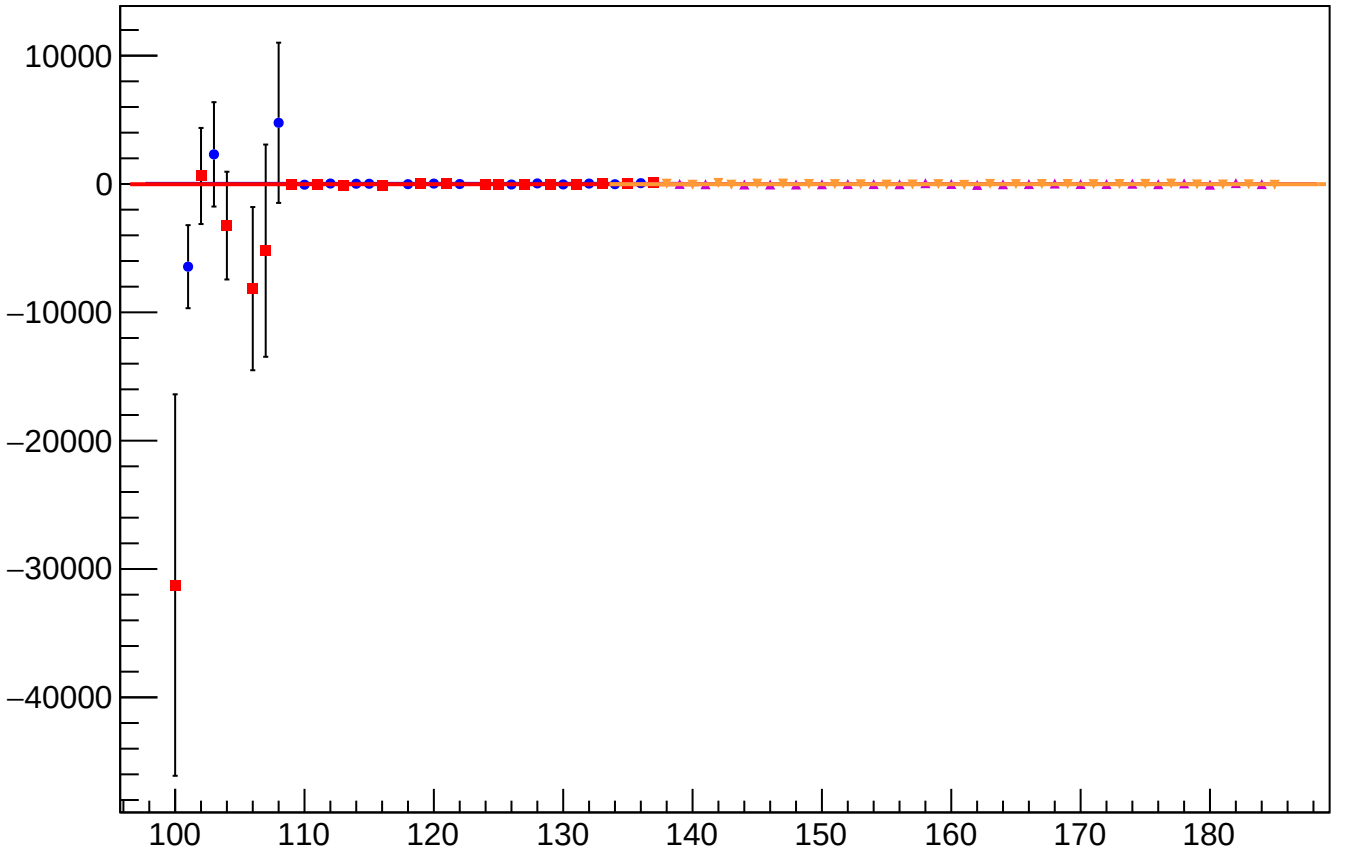
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 197.289+/-0.029 χ^2/NDF: 5735196.7/40

All: 188.939+/-0.020 χ^2/NDF: 11676896.3/82

- 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: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

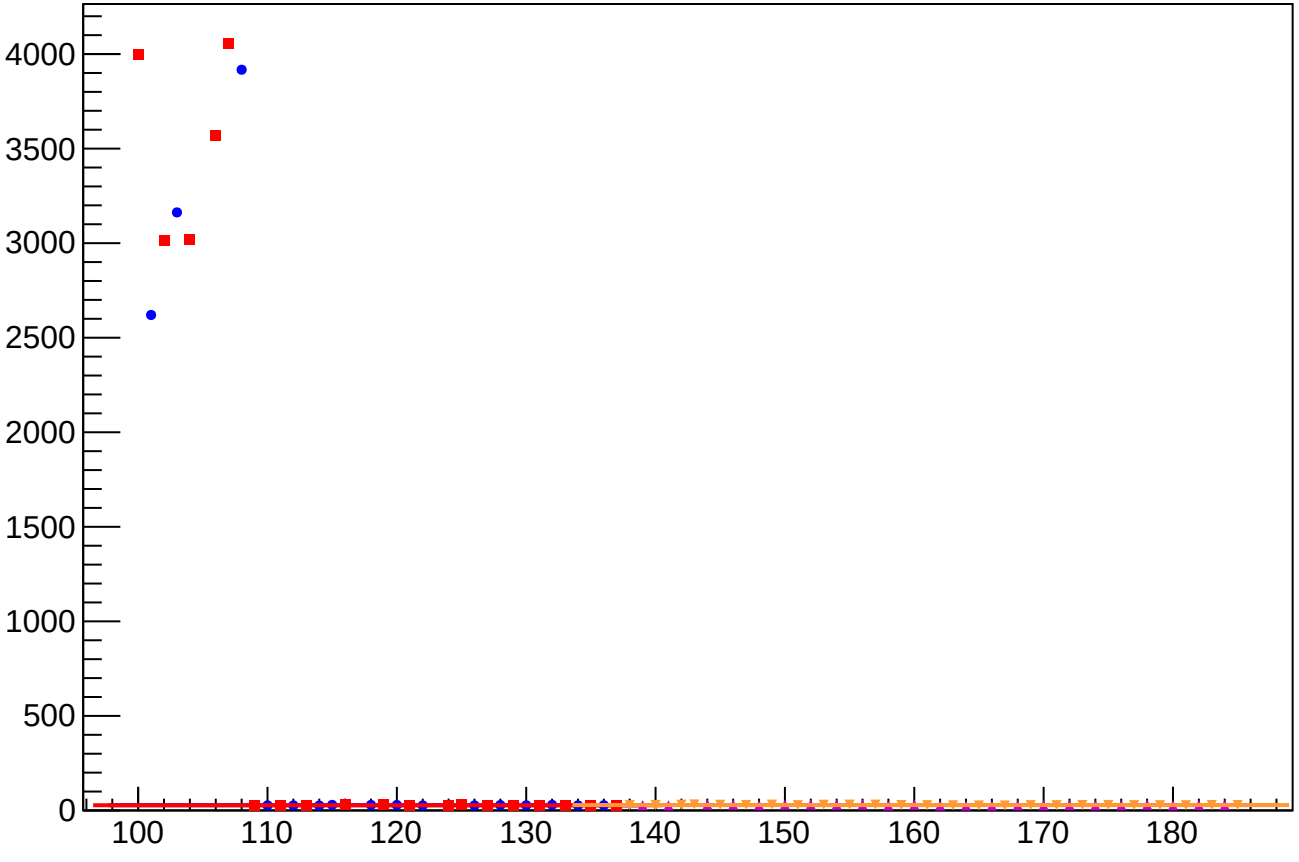
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -9.045+/-5.688 χ^2/NDF: 41.6/40

All: -7.588+/-4.071 χ^2/NDF: 96.2/82

- 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: 28.586+/-0.005 χ^2/NDF:88130.9/24

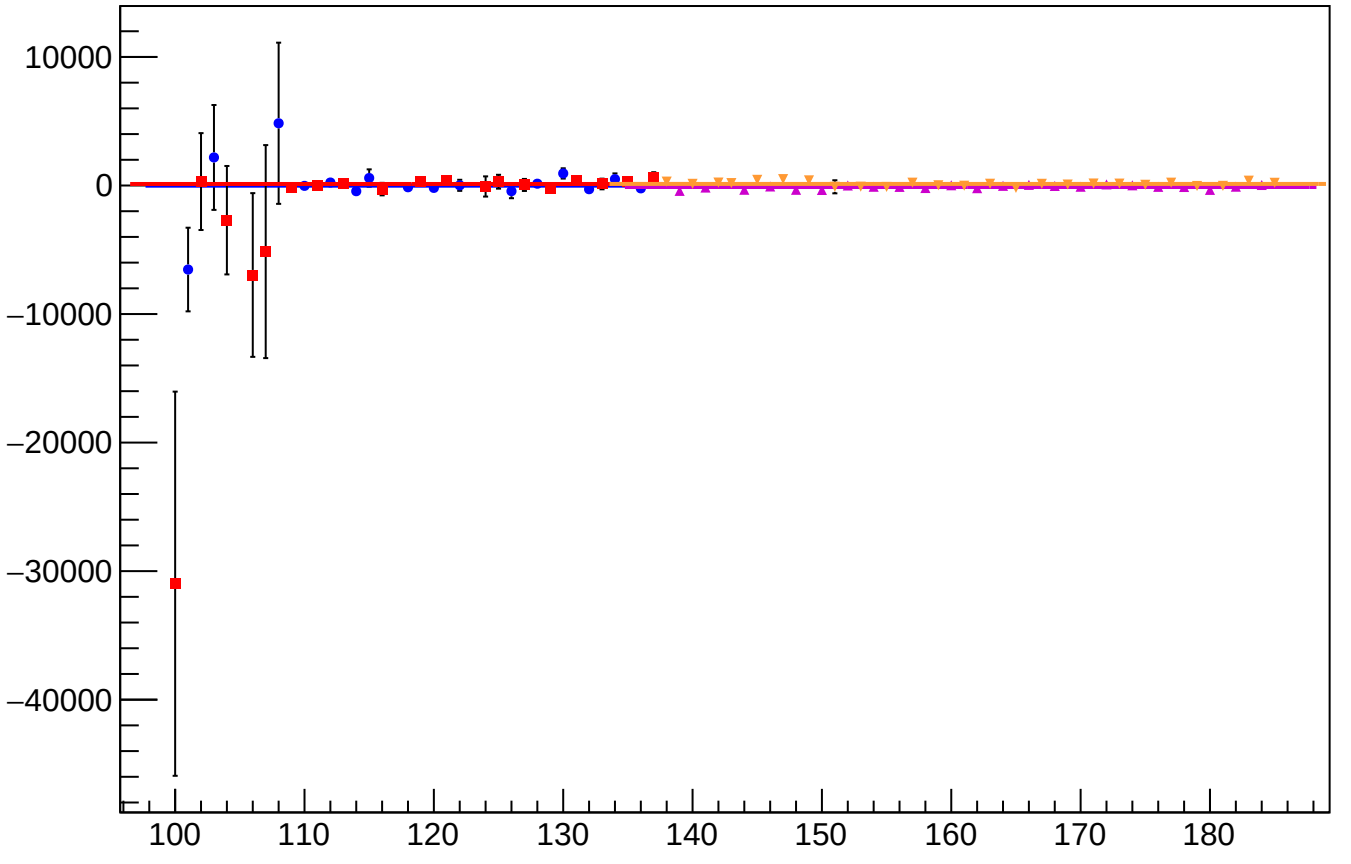
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.362+/-0.004 χ^2/NDF: 3363591.8/40

All: 28.354+/-0.003 χ^2/NDF: 7054211.6/82

- 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: 121.915+/-46.825 χ^2/NDF:12.0/24

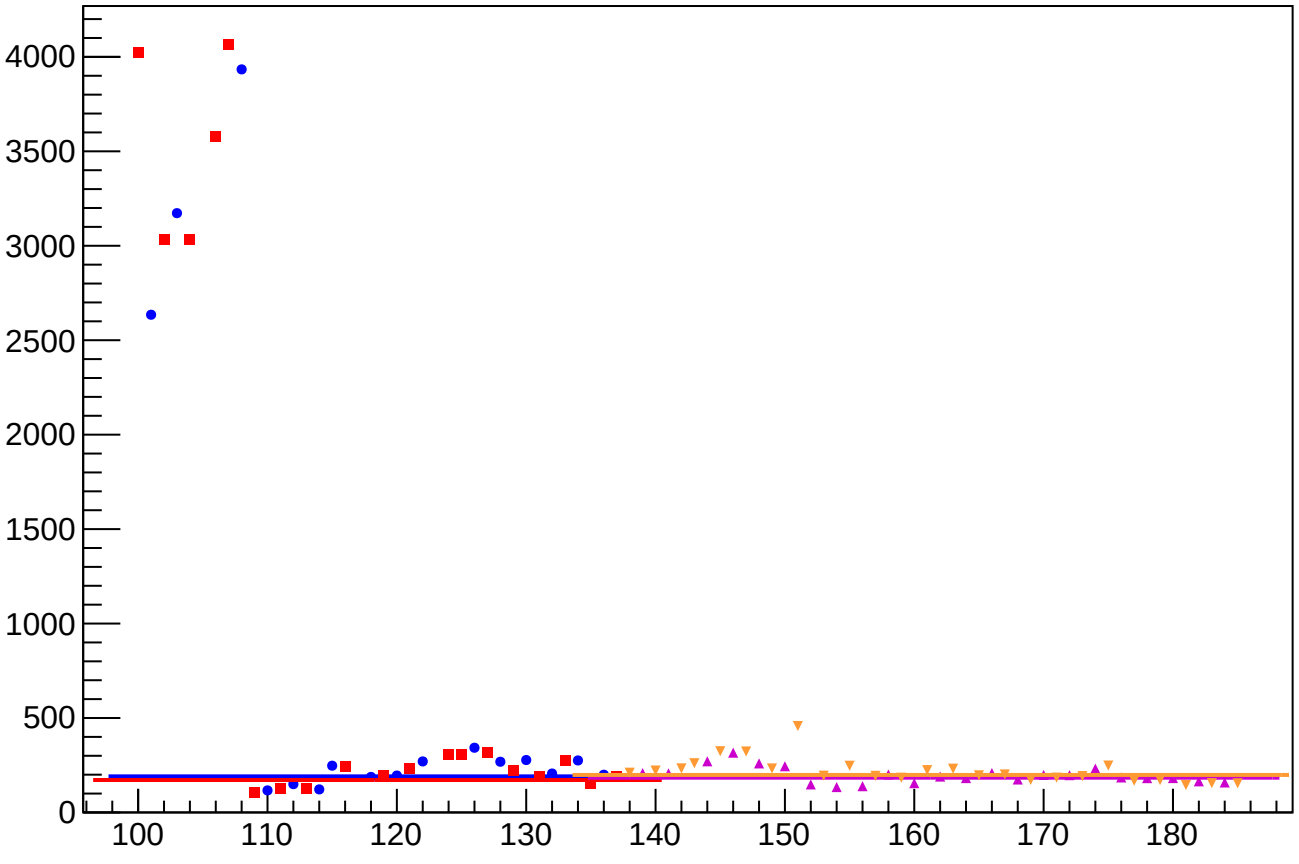
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 90.155+/-40.952 χ^2/NDF: 32.3/40

All: 12.128+/-28.174 χ^2/NDF: 68.8/82

- 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: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

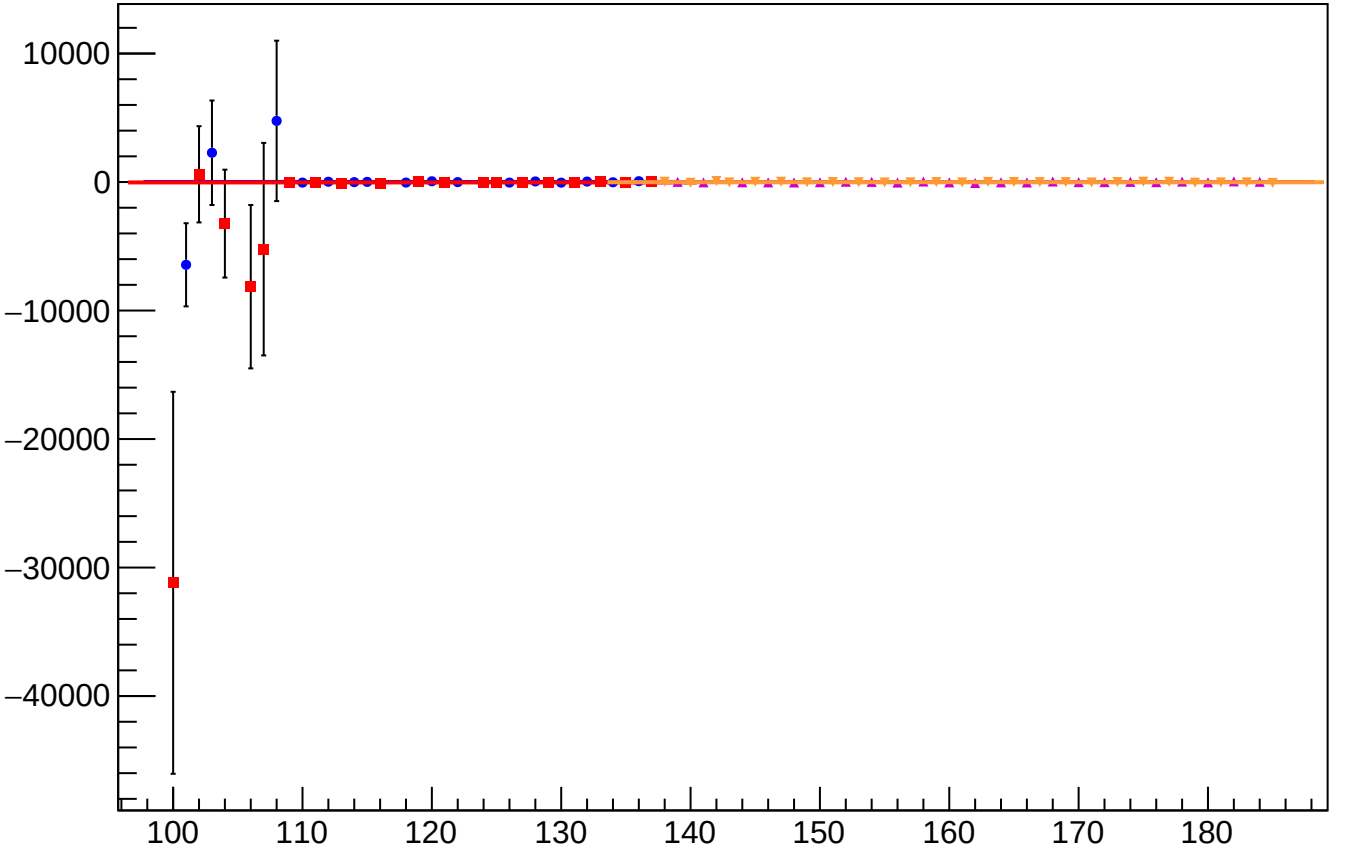
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 196.807+/-0.029 χ^2/NDF: 5747523.1/40

All: 188.489+/-0.020 χ^2/NDF: 11701320.3/82

- sign 181.014+/-0.027 χ^2/NDF: 5797138.4/41

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

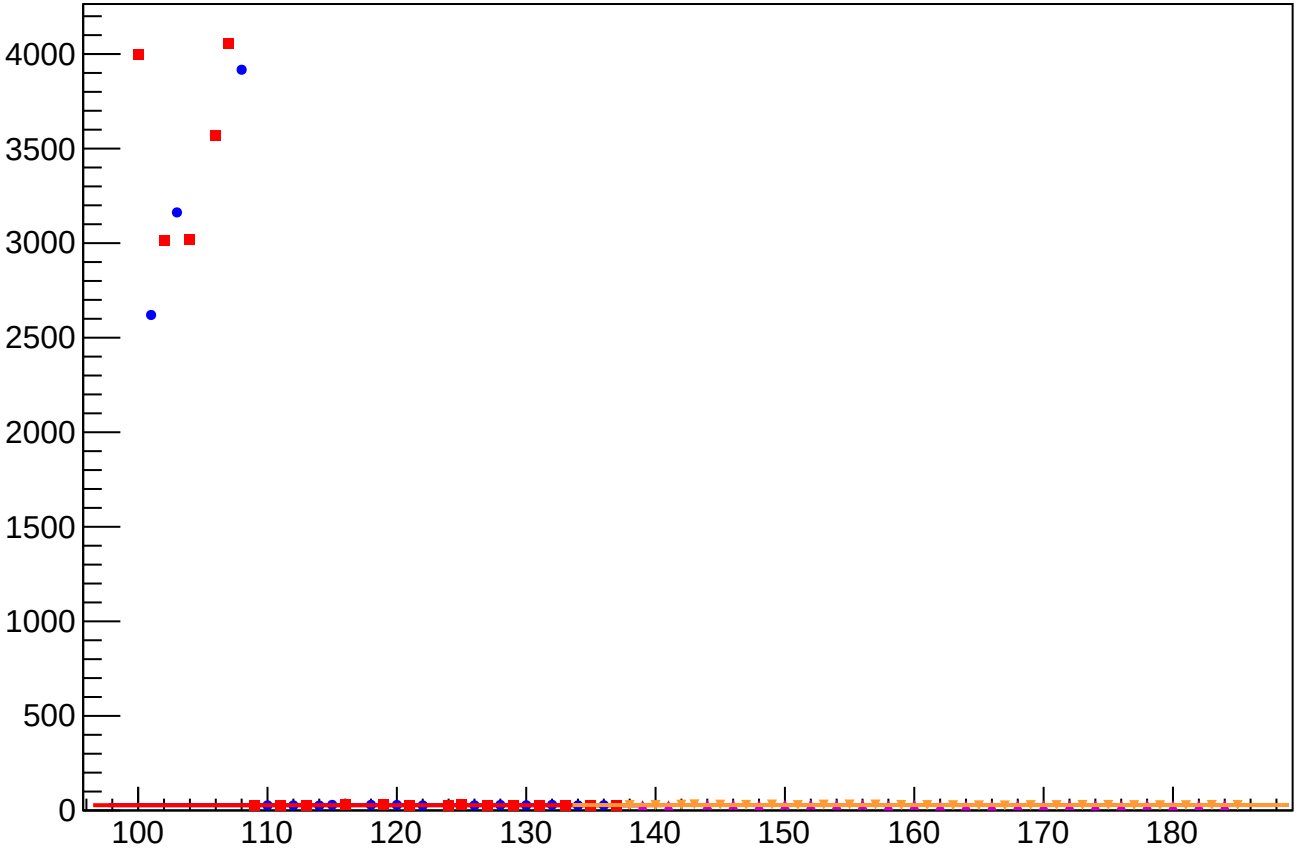
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.529+/-5.716 χ^2/NDF: 38.0/40

All: -8.469+/-4.092 χ^2/NDF: 84.4/82

- sign -9.457+/-5.860 χ^2/NDF: 46.4/41

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

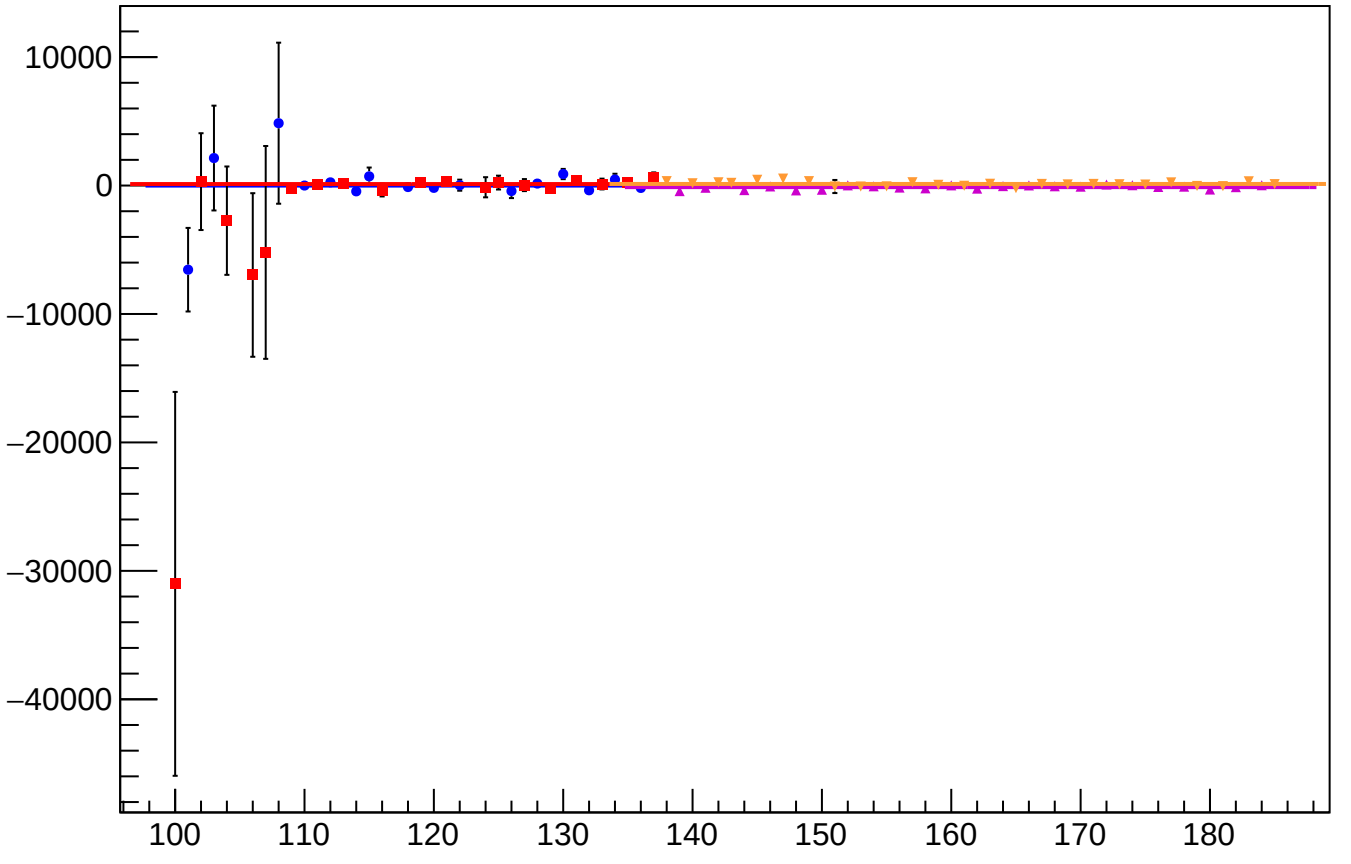
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.499+/-0.004 χ^2/NDF: 3373359.0/40

All: 28.495+/-0.003 χ^2/NDF: 7069571.0/82

- 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: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

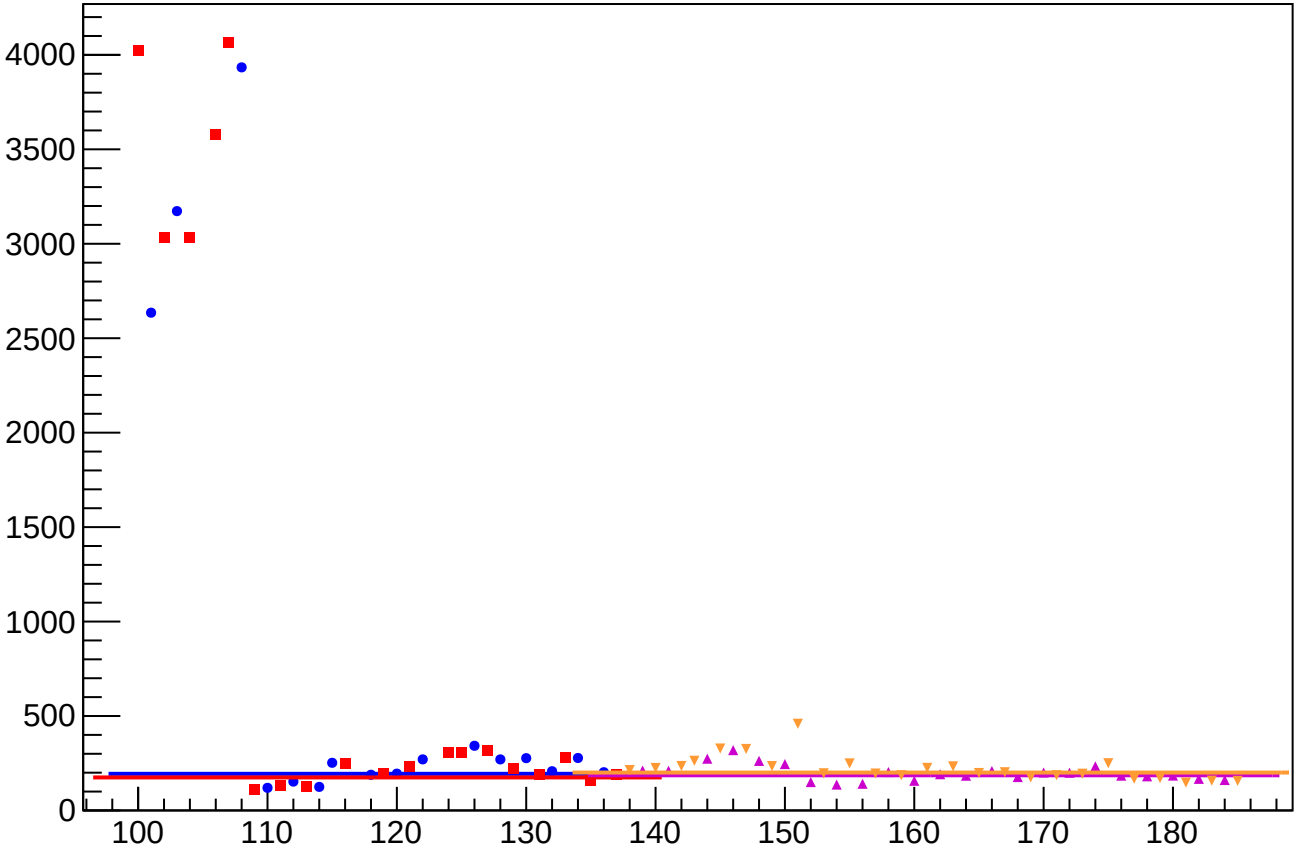
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 93.423+/-41.389 χ^2/NDF: 31.2/40

All: 10.600+/-28.488 χ^2/NDF: 68.0/82

- sign -63.963+/-39.272 χ^2/NDF: 29.1/41

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

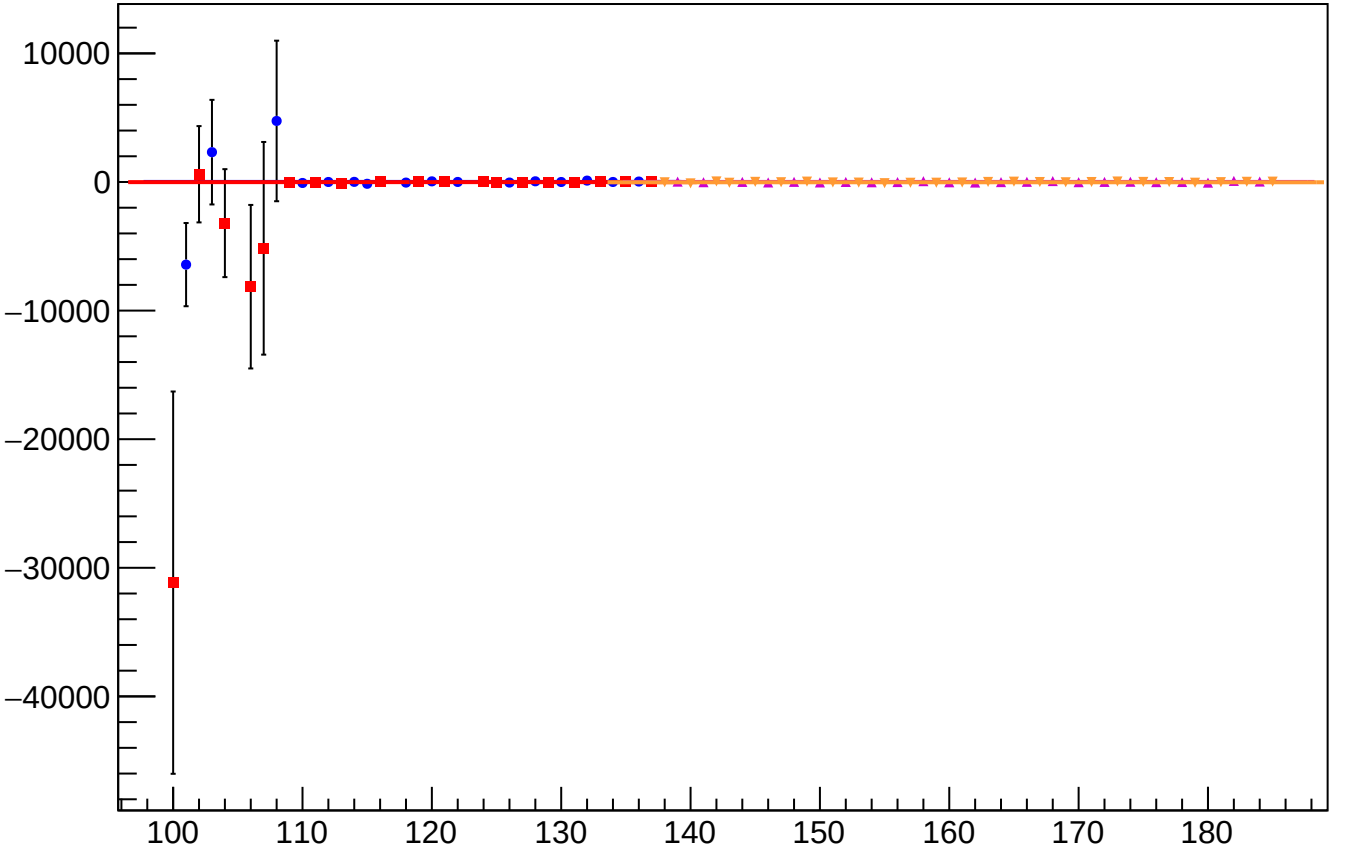
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 199.107+/-0.029 χ^2/NDF: 5674063.5/40

All: 190.816+/-0.020 χ^2/NDF: 11530609.8/82

- sign 183.351+/-0.028 χ^2/NDF: 5704034.4/41

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

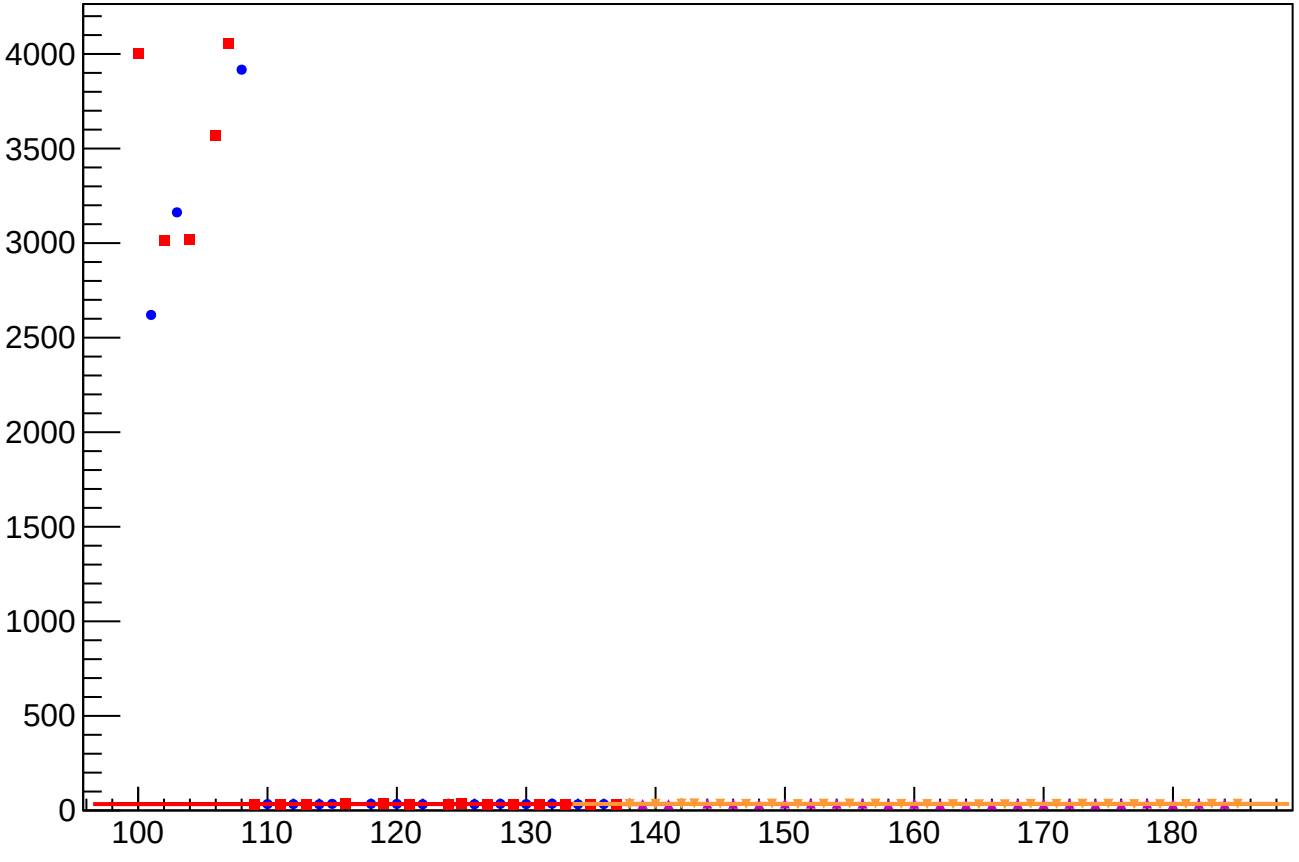
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -15.023+/-6.872 χ^2/NDF: 43.1/40

All: -7.376+/-4.922 χ^2/NDF: 88.7/82

- 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: 34.439+/-0.006 χ^2/NDF:44686.3/24

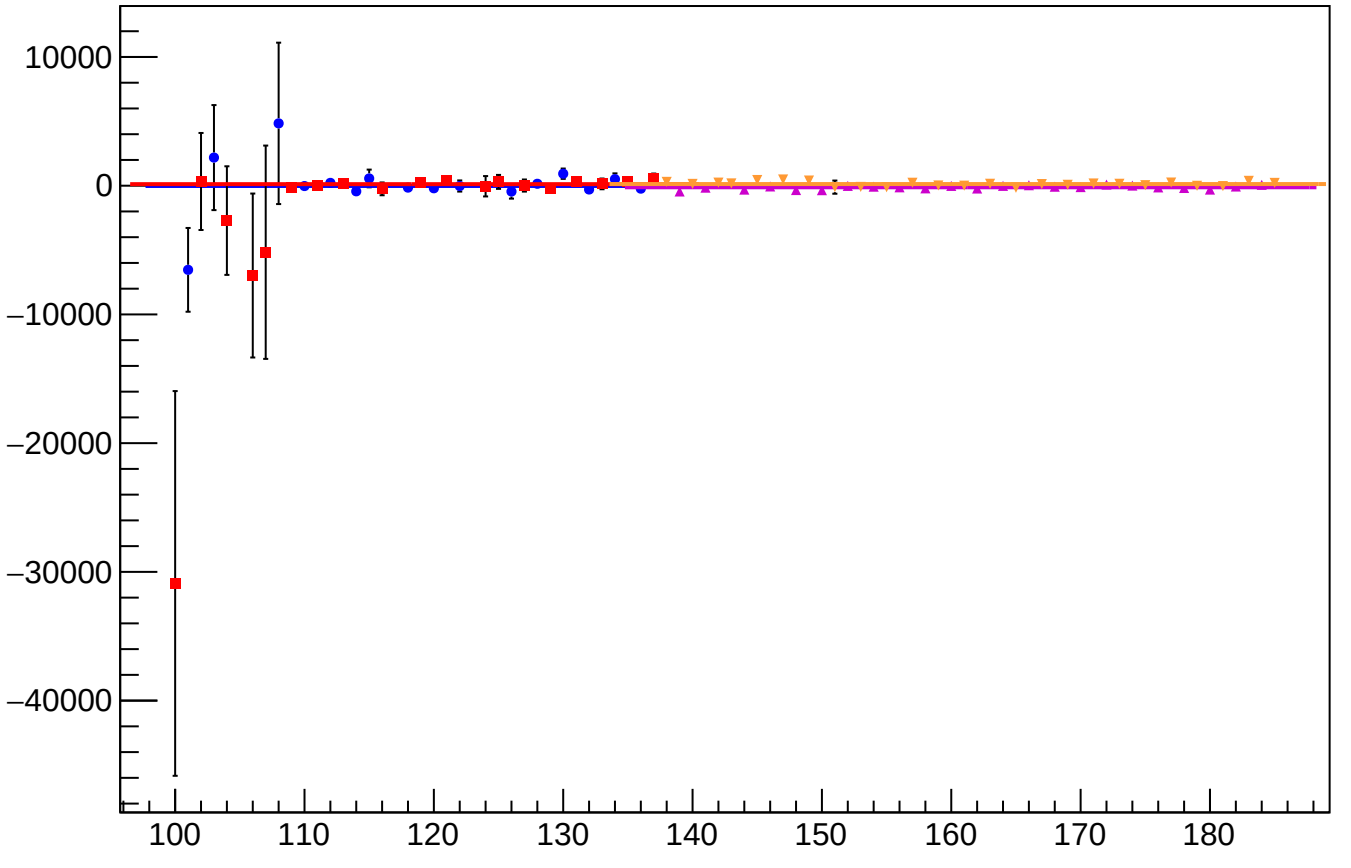
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.314+/-0.005 χ^2/NDF: 3291253.9/40

All: 34.334+/-0.003 χ^2/NDF: 6882018.1/82

- 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: 127.689+/-47.228 χ^2/NDF:11.6/24

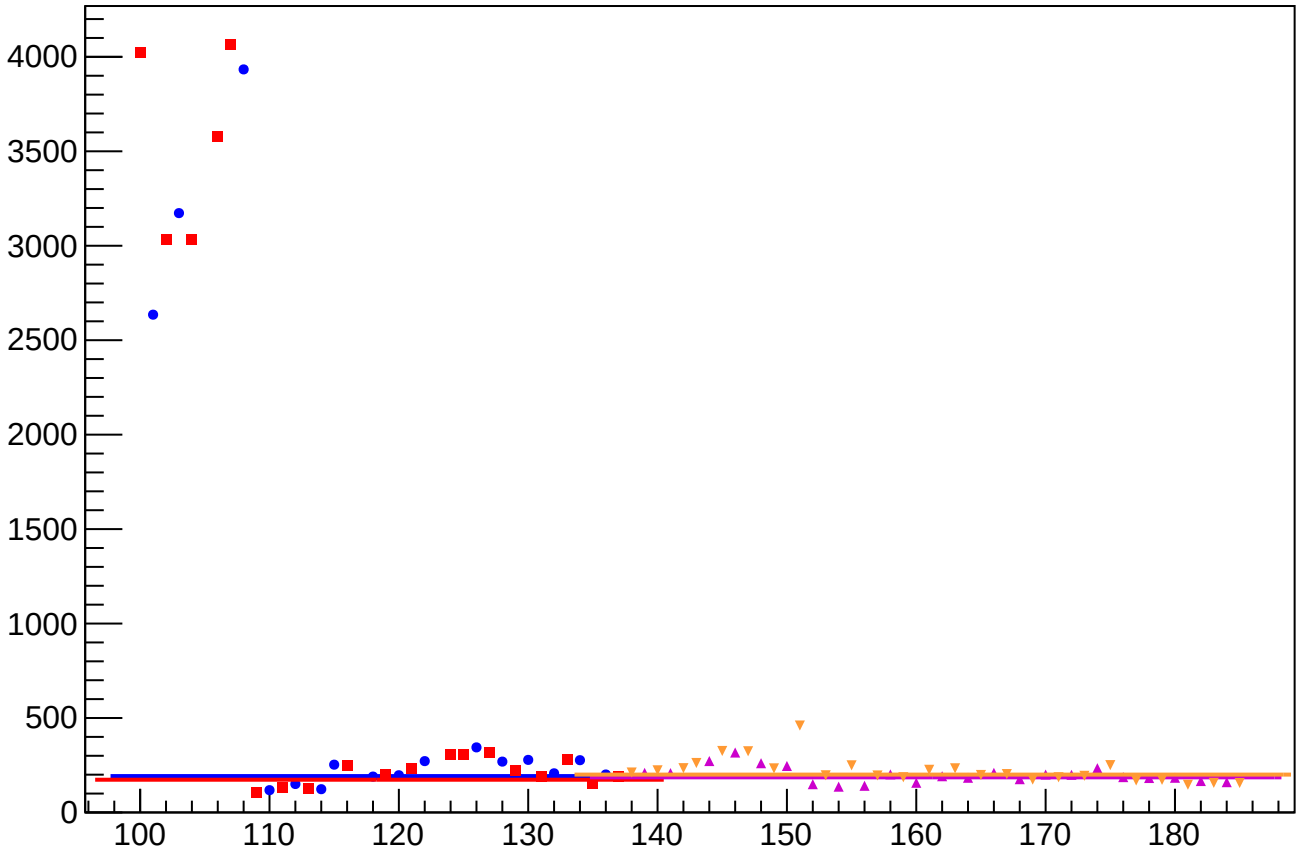
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 93.002+/-41.291 χ^2/NDF: 32.1/40

All: 11.238+/-28.415 χ^2/NDF: 68.0/82

- 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: 200.372+/-0.033 χ^2/NDF:1876533.6/24

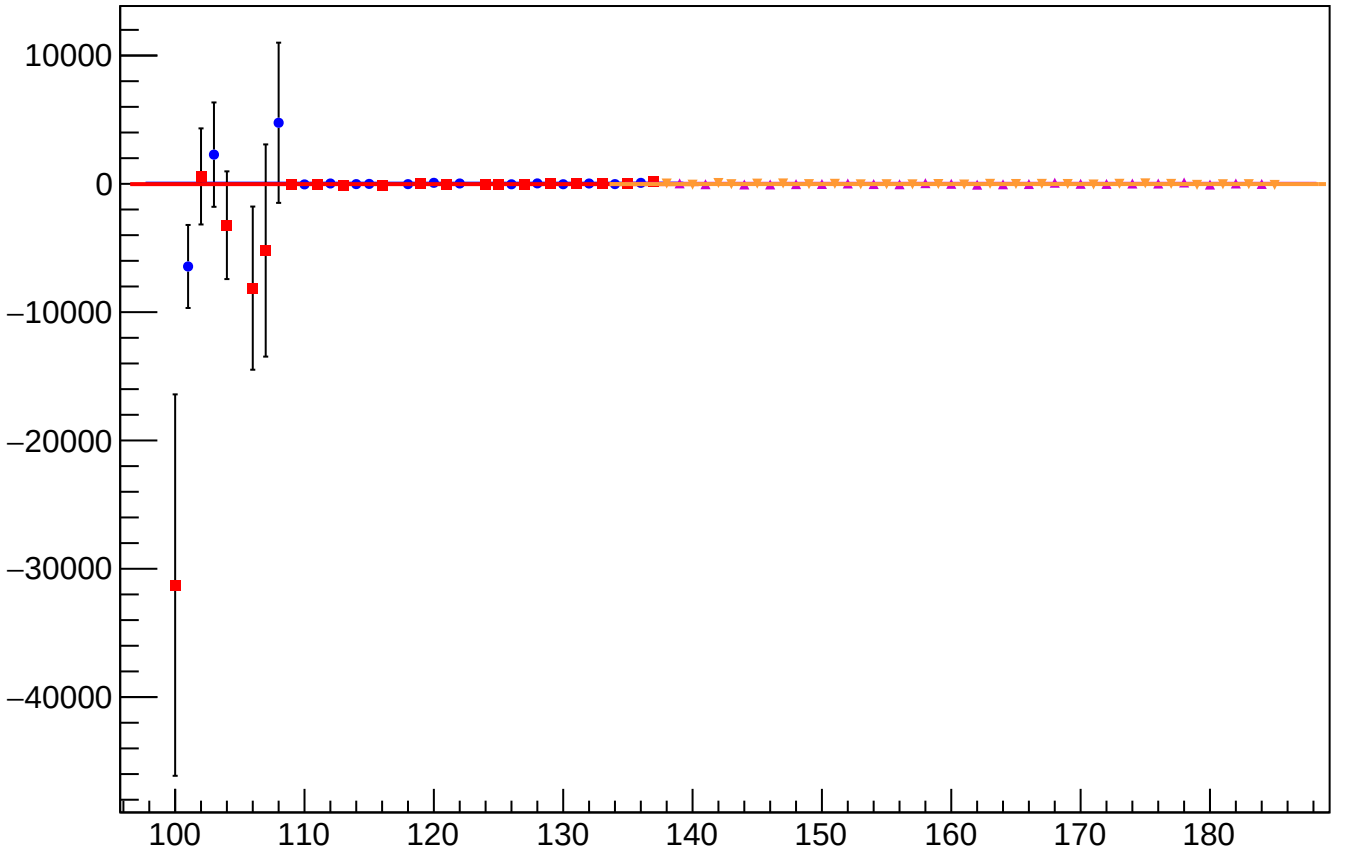
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 198.531+/-0.029 χ^2/NDF: 5712216.2/40

All: 190.211+/-0.020 χ^2/NDF: 11618293.4/82

- 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: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

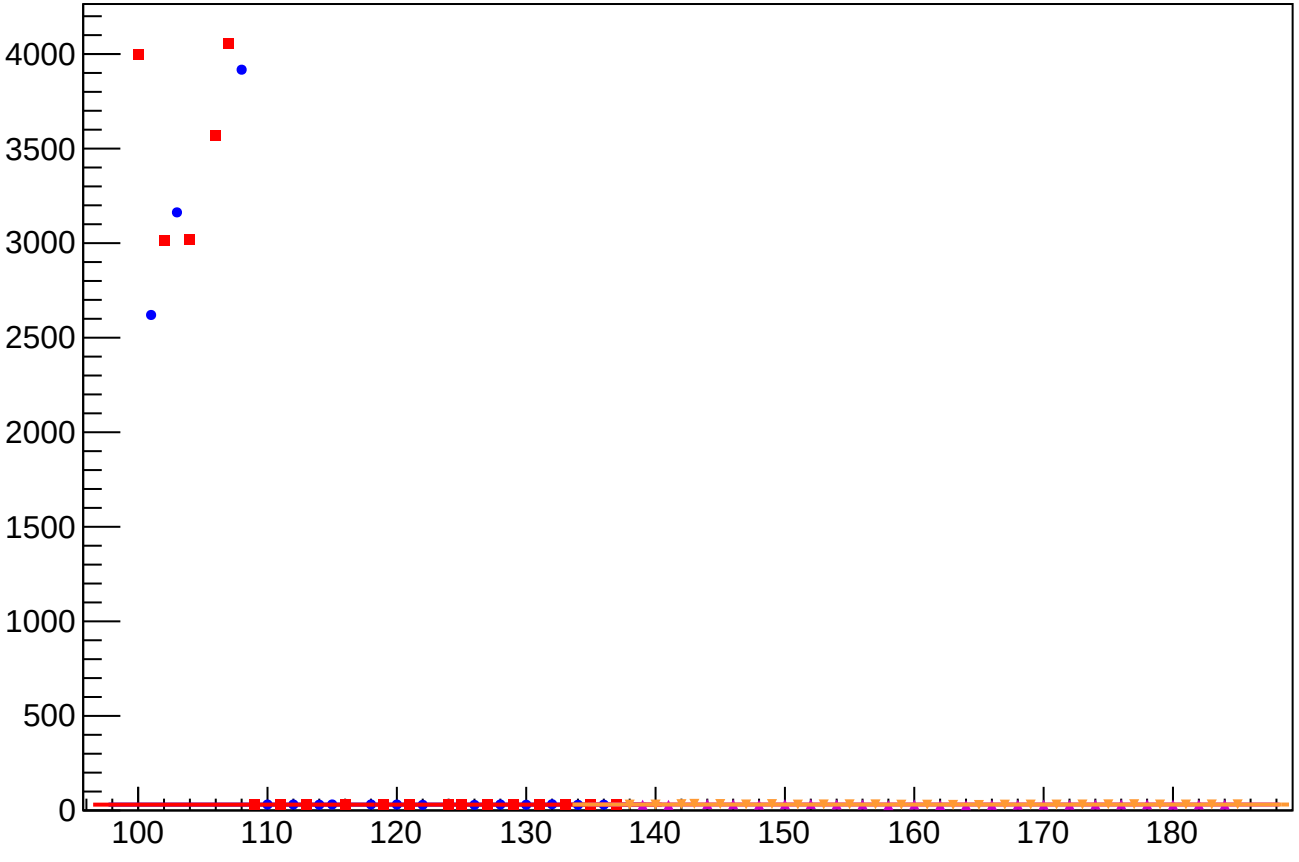
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -11.160+/-6.262 χ^2/NDF: 40.6/40

All: -7.395+/-4.482 χ^2/NDF: 108.5/82

- 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: 31.340+/-0.005 χ^2/NDF:63017.9/24

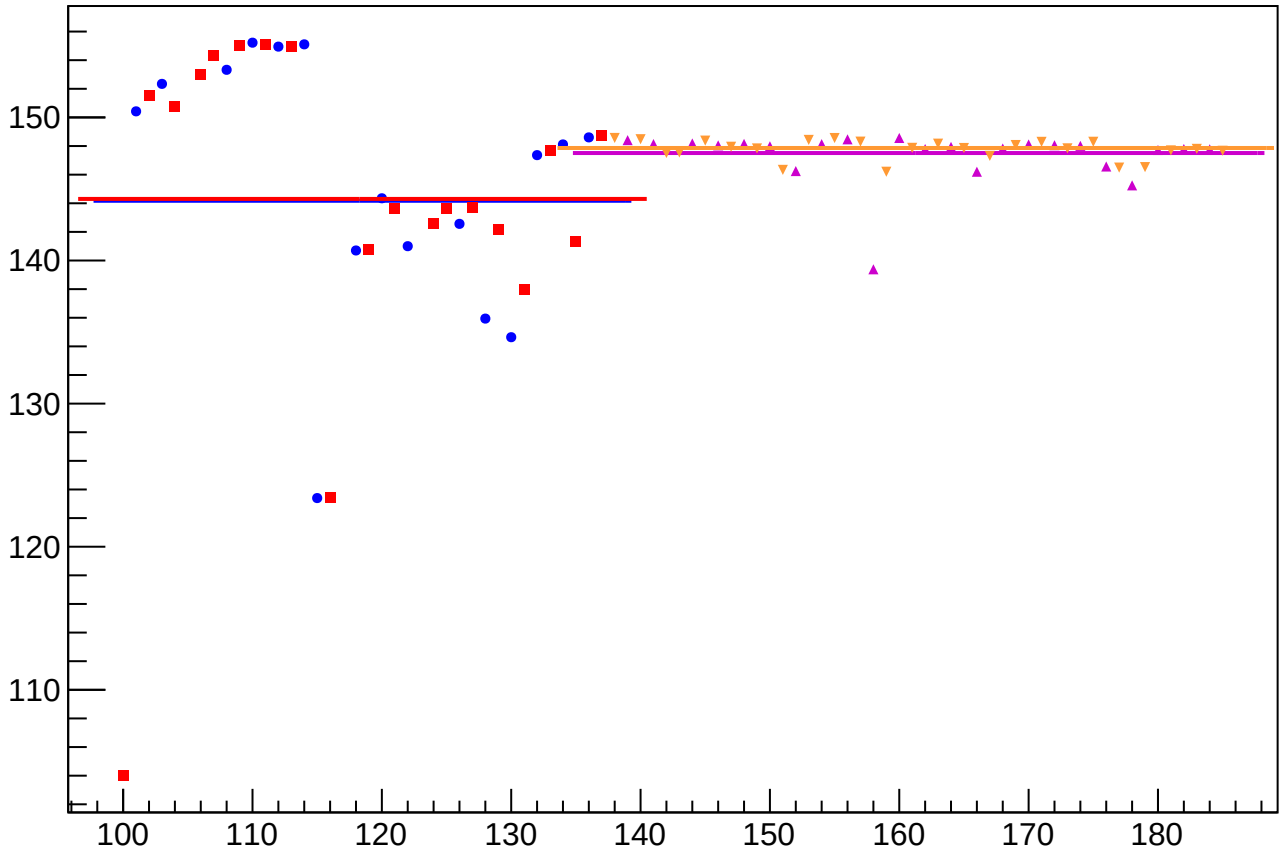
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.245+/-0.004 χ^2/NDF: 3317154.2/40

All: 31.241+/-0.003 χ^2/NDF: 6941808.1/82

- 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: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

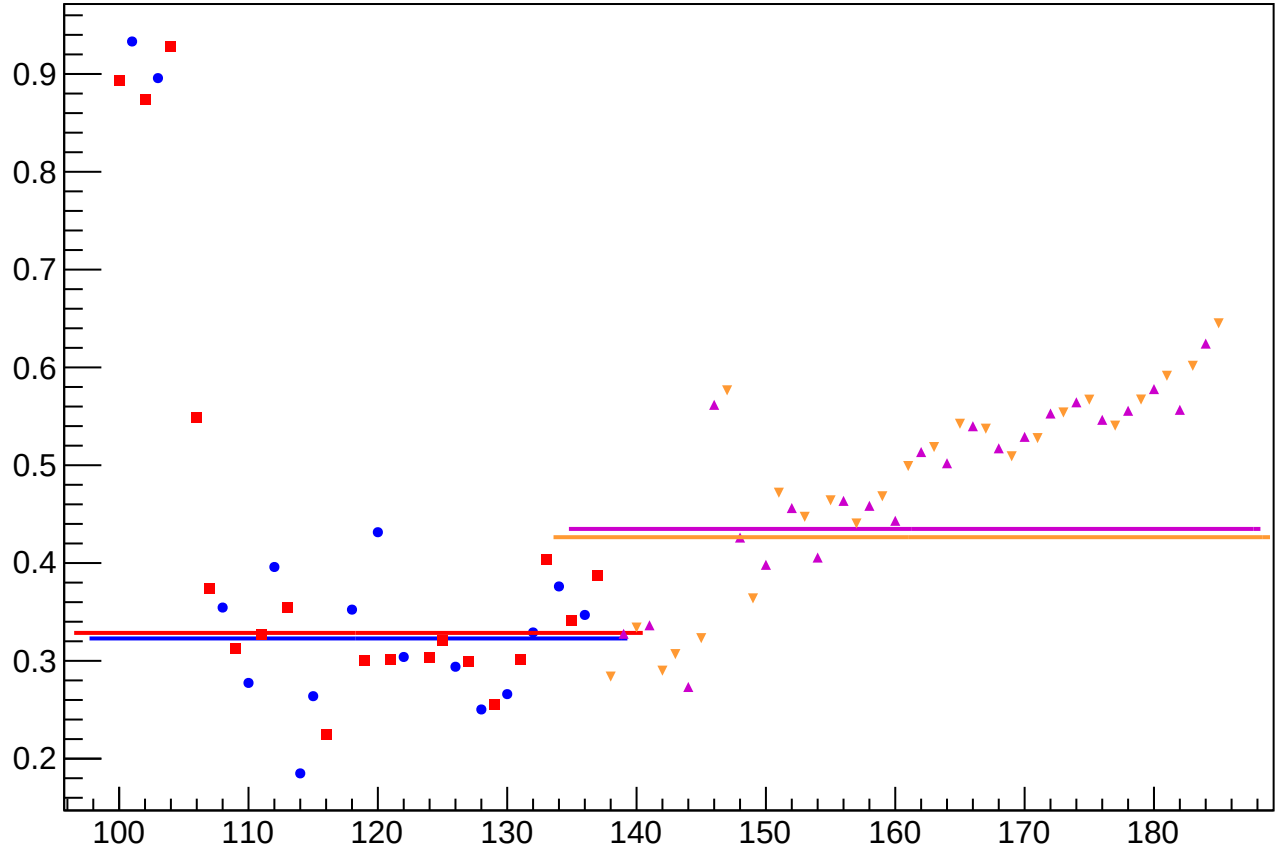
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.498+/-0.000 χ^2/NDF: 4258385947.9/40

All: 146.386+/-0.000 χ^2/NDF: 9188777715.4

- sign 146.268+/-0.000 χ^2/NDF: 4926422813.2/41

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

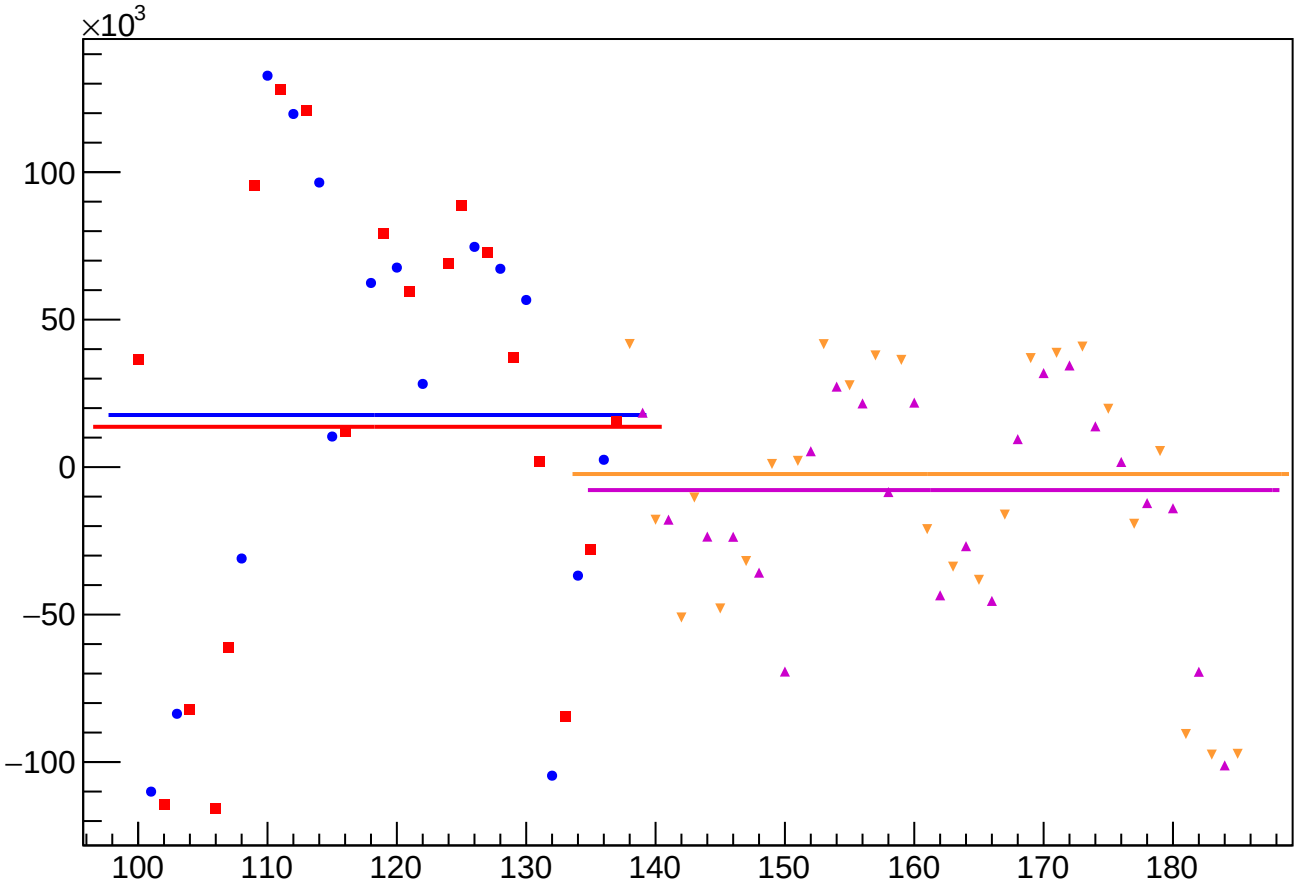
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.388+/-0.000 χ^2/NDF: 4425603.6/40

All: 0.391+/-0.000 χ^2/NDF: 8290871.3/82

- 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: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

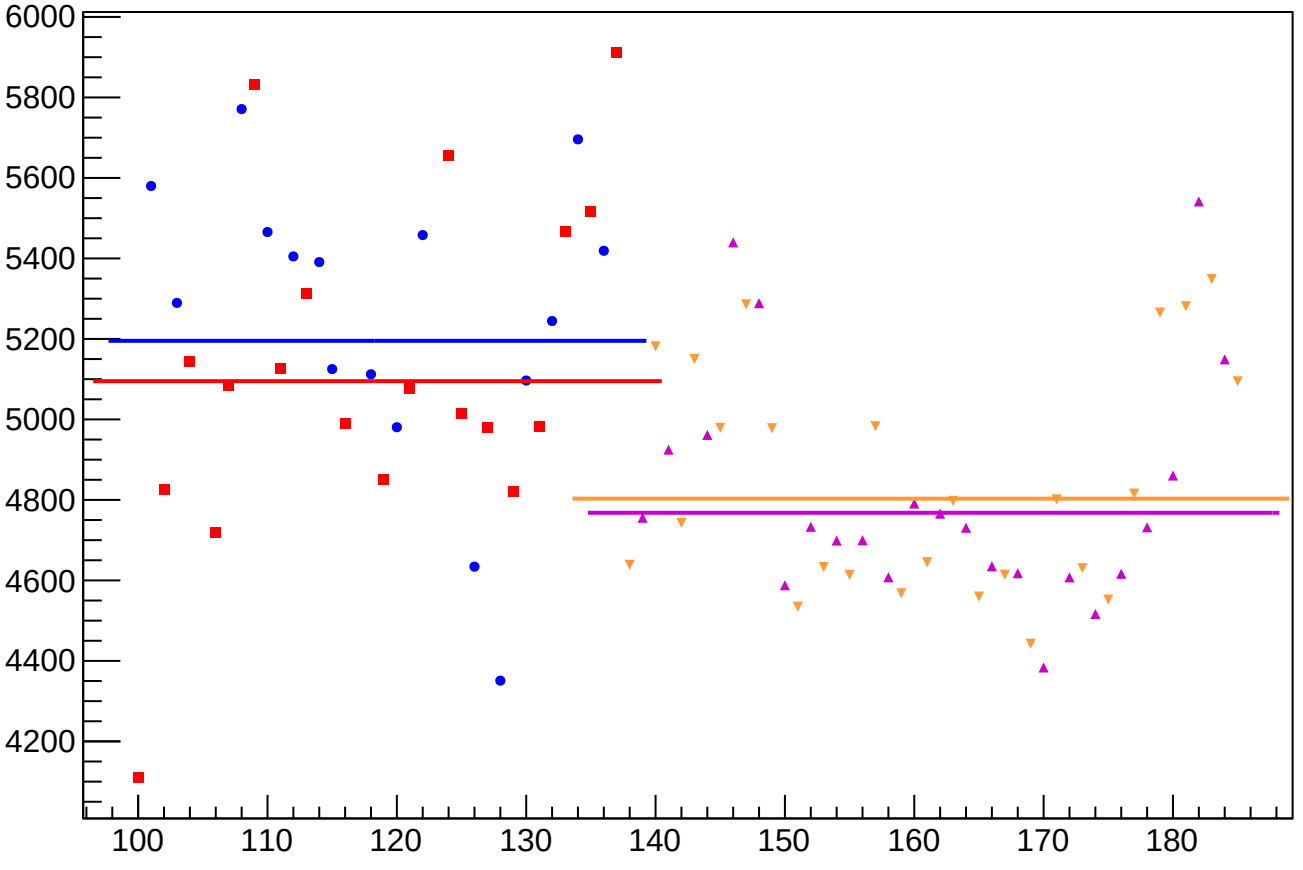
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 2432.951+/-0.980 χ^2/NDF: 2704535935.4/40

All: 133.296+/-0.694 χ^2/NDF: 5426825608.3

- 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: 4803.136+/-0.794 χ^2/NDF:114681.5/24

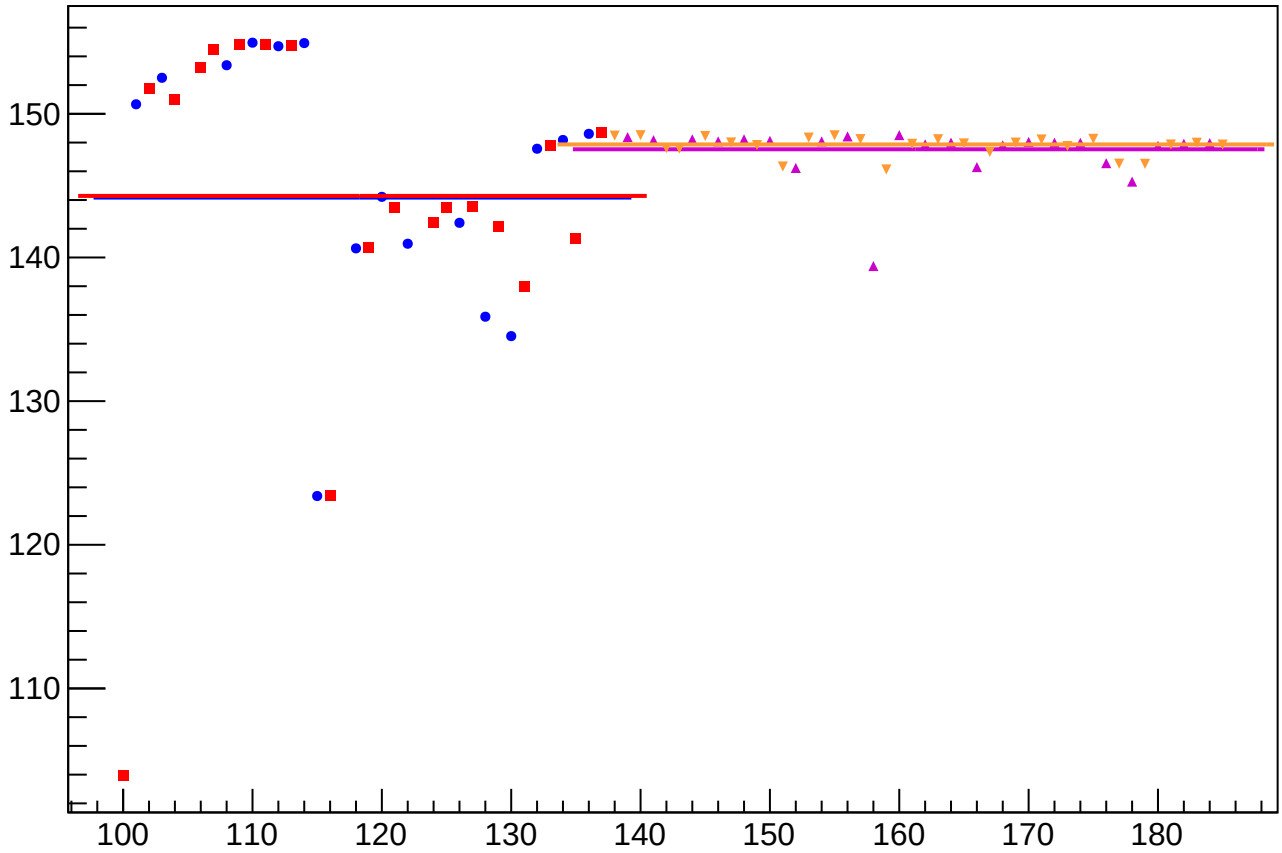
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4896.780+/-0.693 χ^2/NDF: 250059.2/40

All: 4875.205+/-0.491 χ^2/NDF: 456111.9/82

- 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:44483332.4/24

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

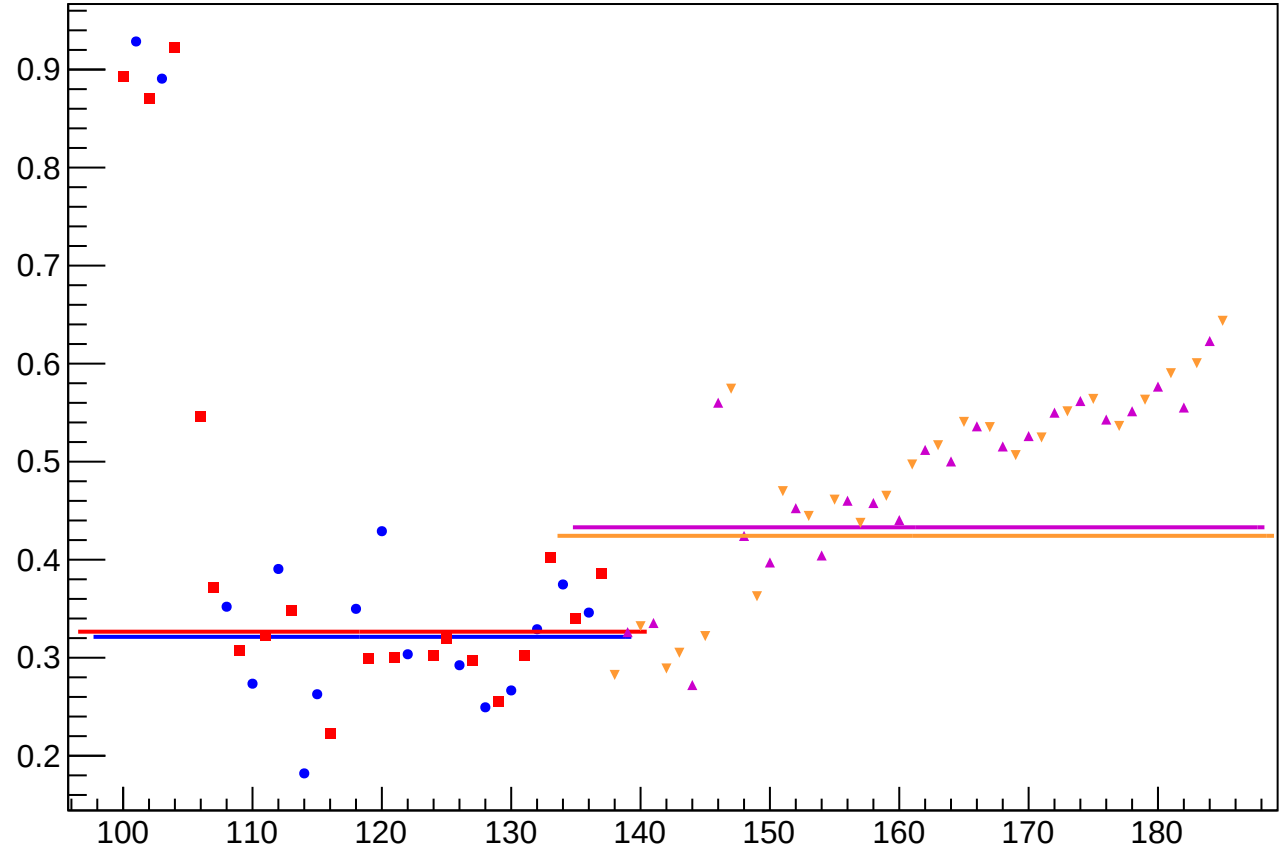
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.500+/-0.000 χ^2/NDF: 4305604155.0/40

All: 146.389+/-0.000 χ^2/NDF: 9274942435.2

- 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: 0.424+/-0.000 χ^2/NDF:2260723.7/24

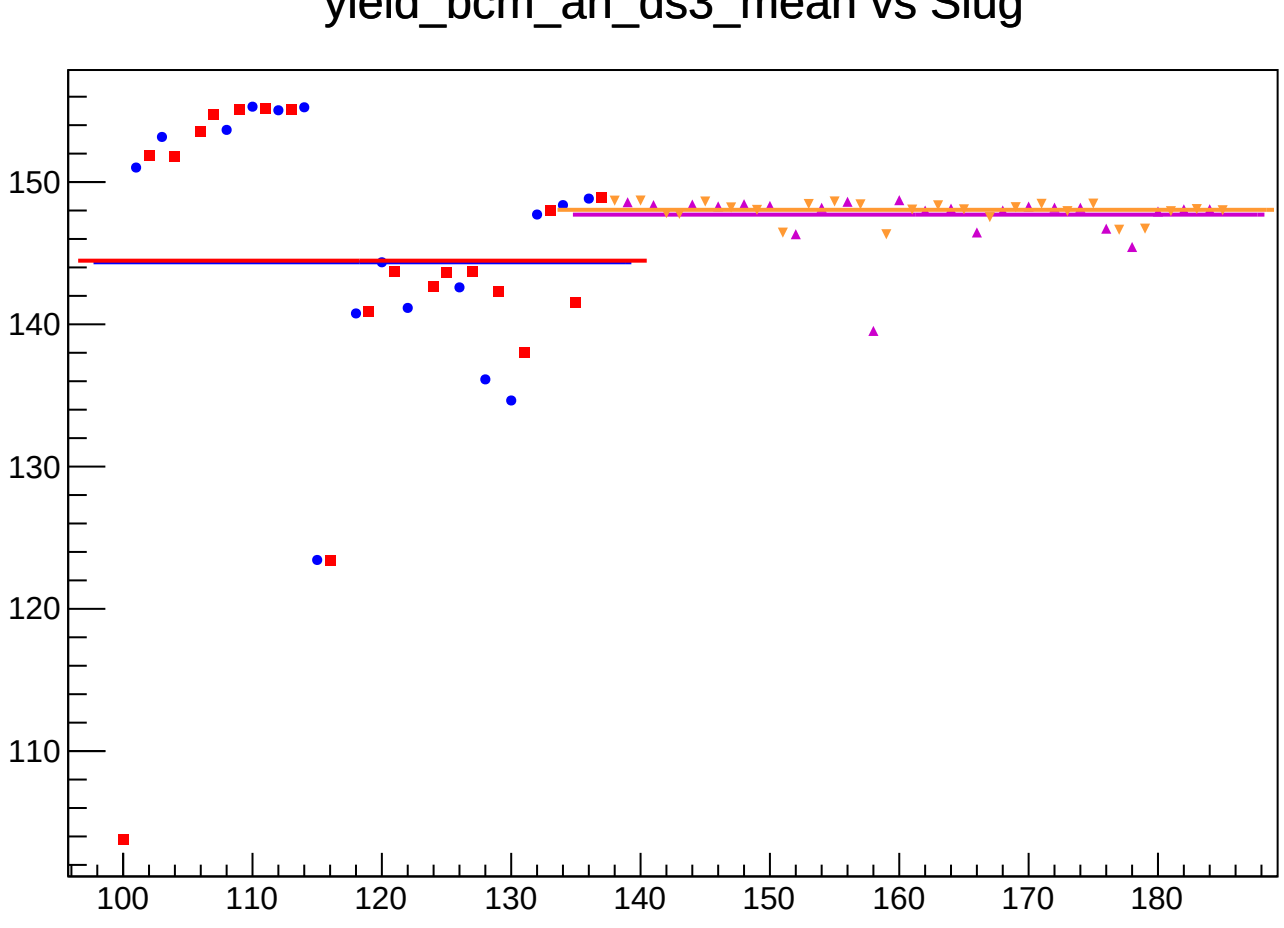
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.386+/-0.000 χ^2/NDF: 4427961.4/40

All: 0.389+/-0.000 χ^2/NDF: 8298879.3/82

- 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: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

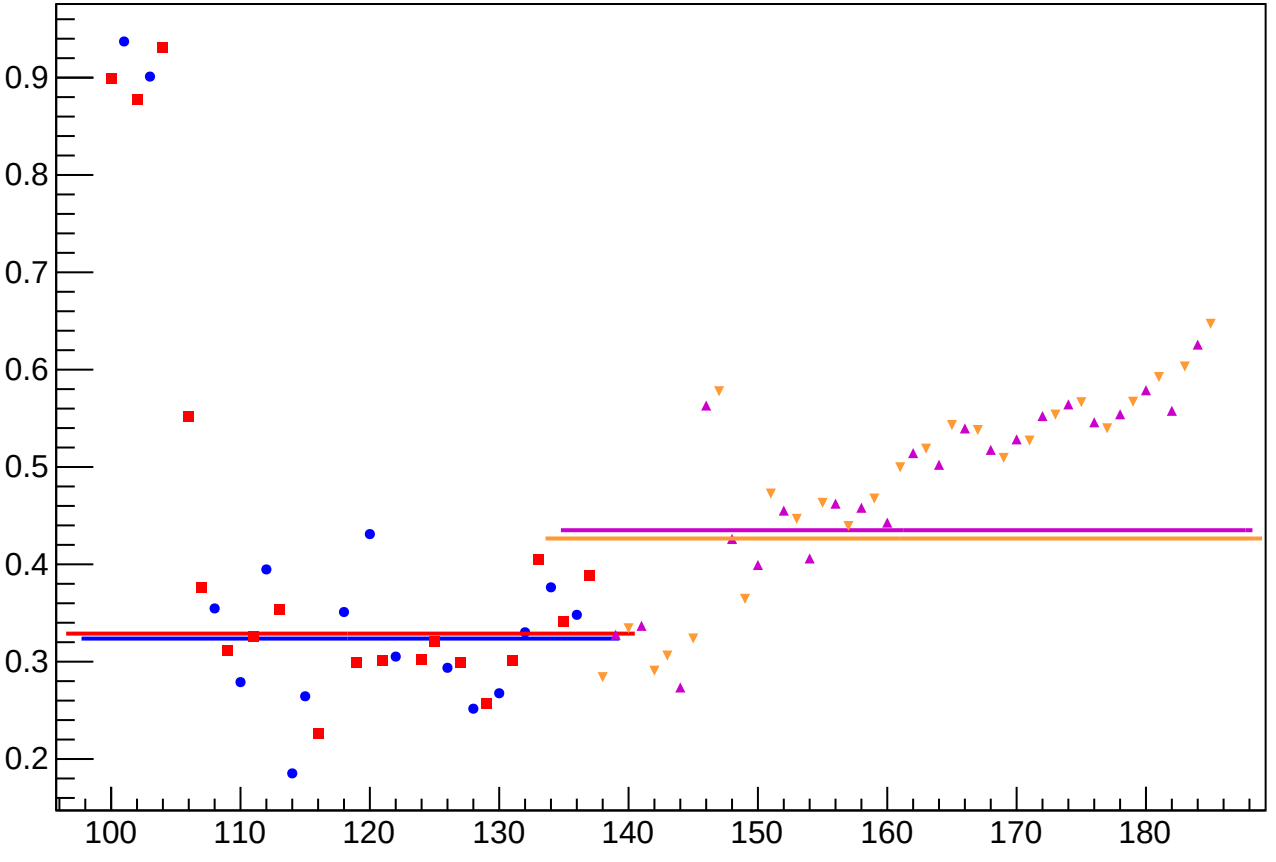
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.687+/-0.000 χ^2/NDF: 4290948677.5/40

All: 146.575+/-0.000 χ^2/NDF: 9250253226.1

- 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: 0.427+/-0.000 χ^2/NDF:2257492.3/24

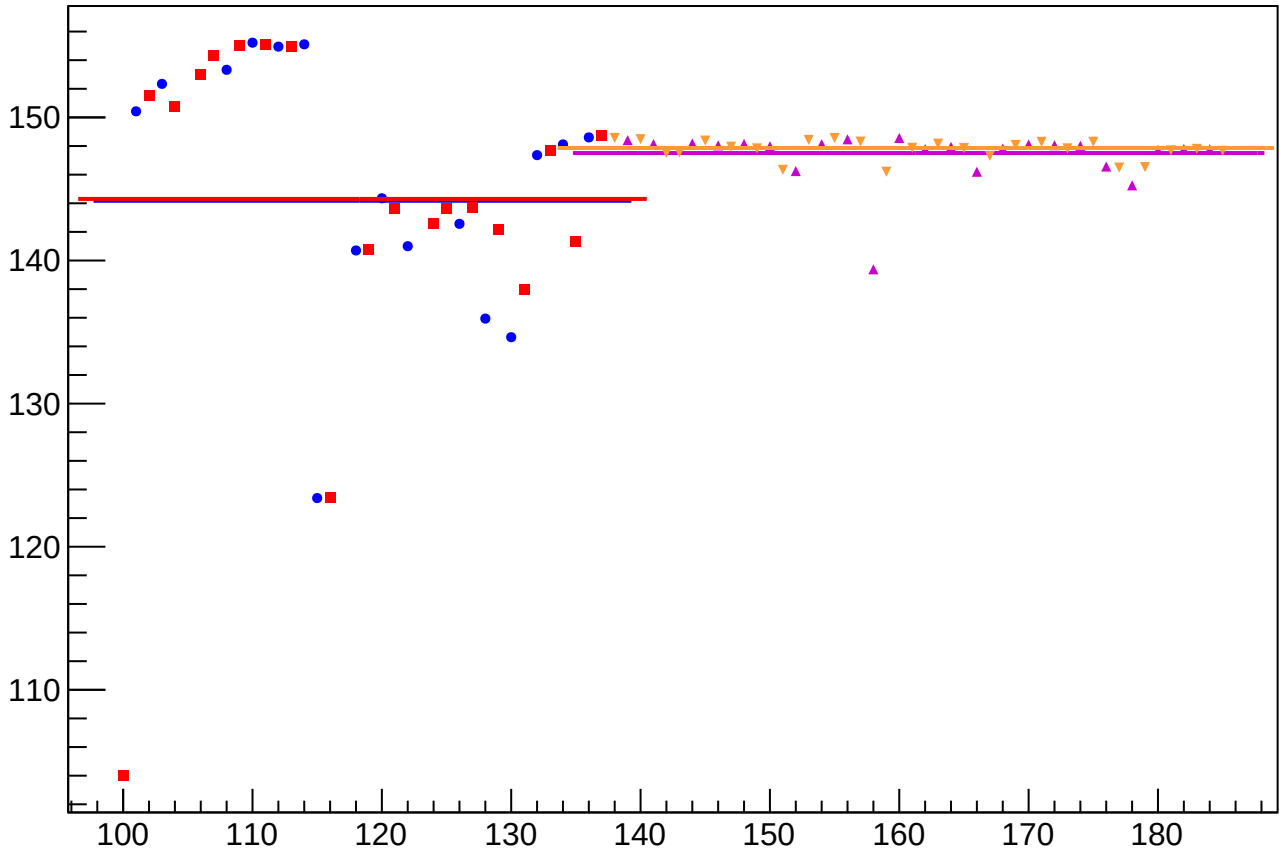
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.389+/-0.000 χ^2/NDF: 4407578.6/40

All: 0.391+/-0.000 χ^2/NDF: 8264068.6/82

- 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: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

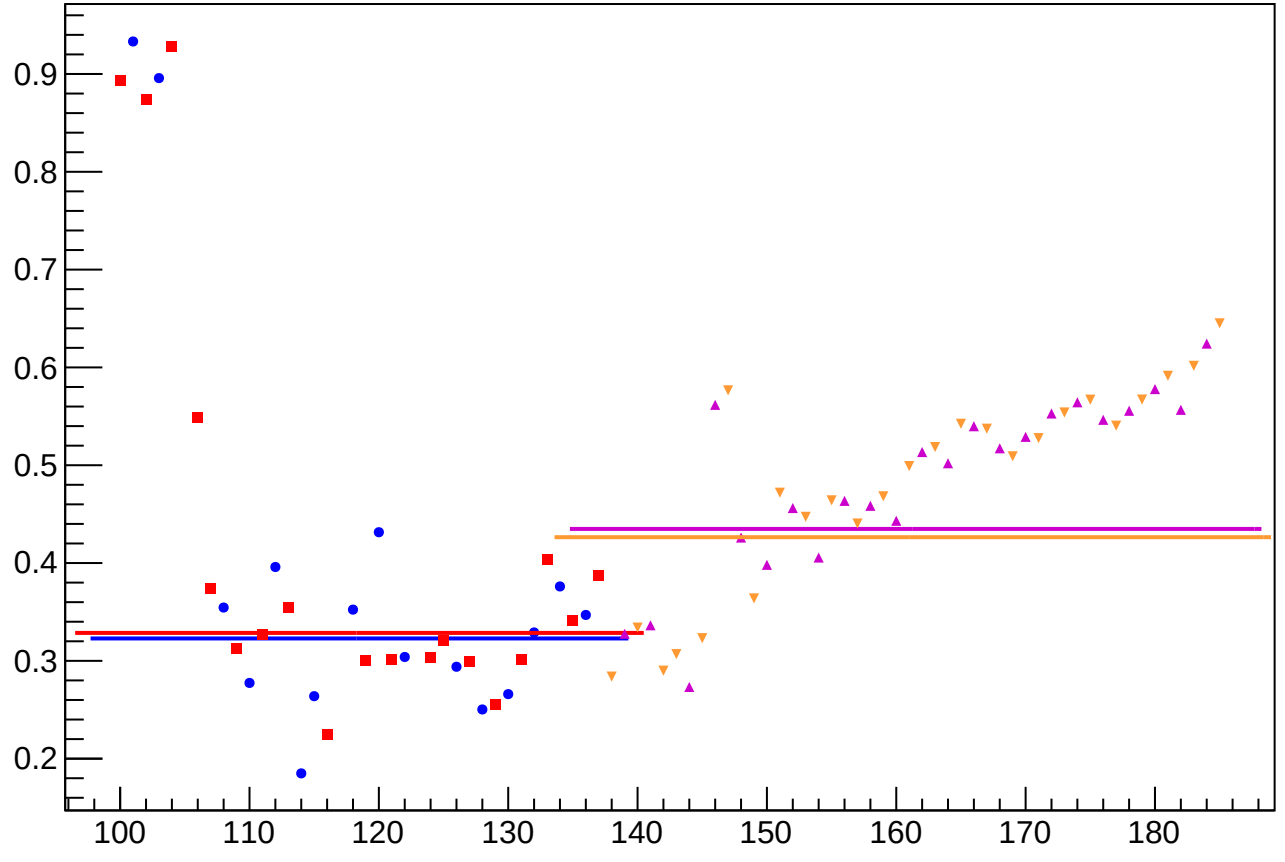
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.498+/-0.000 χ^2/NDF: 4258385947.9/40

All: 146.386+/-0.000 χ^2/NDF: 9188777715.4

- sign 146.268+/-0.000 χ^2/NDF: 4926422813.2/41

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

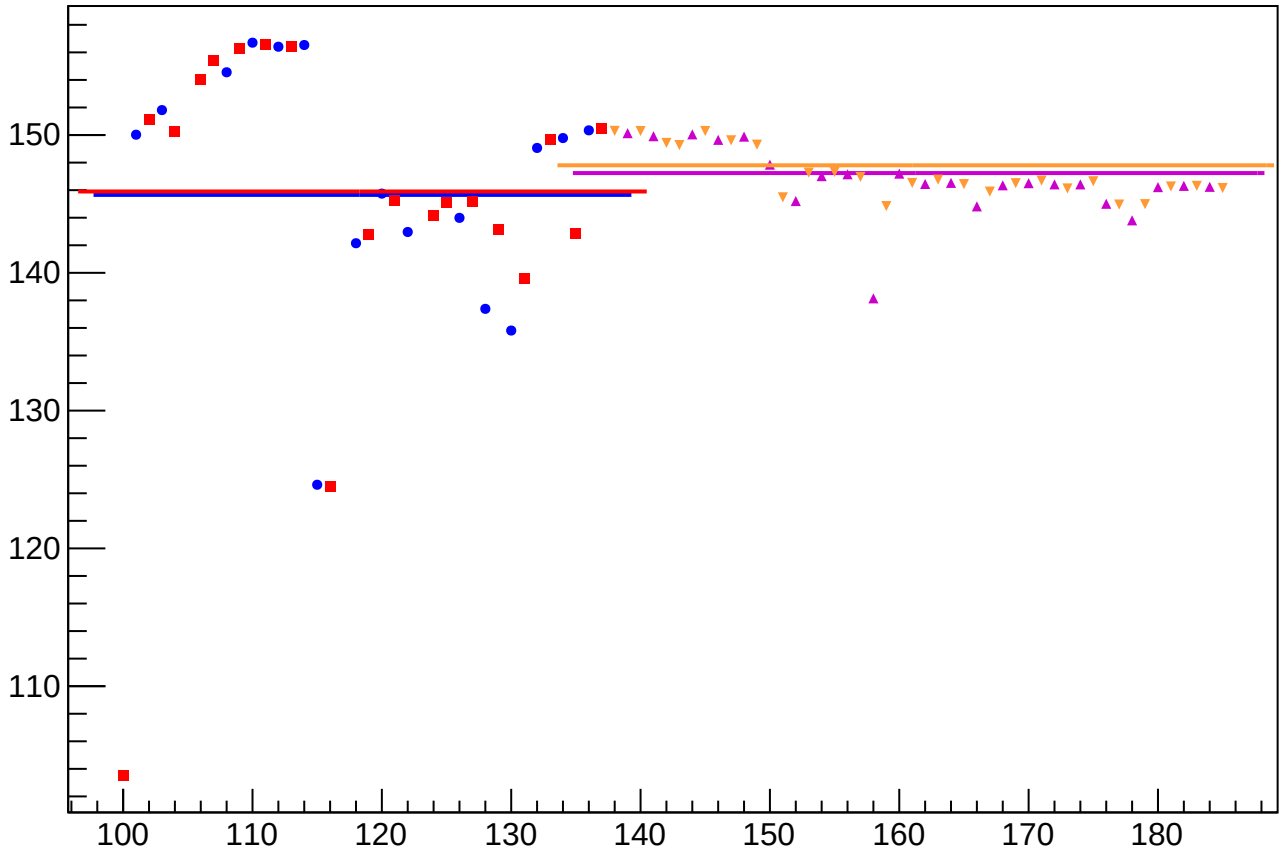
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.388+/-0.000 χ^2/NDF: 4425603.6/40

All: 0.391+/-0.000 χ^2/NDF: 8290871.3/82

- 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: 147.804+/-0.000 χ^2/NDF:327059704.2/24

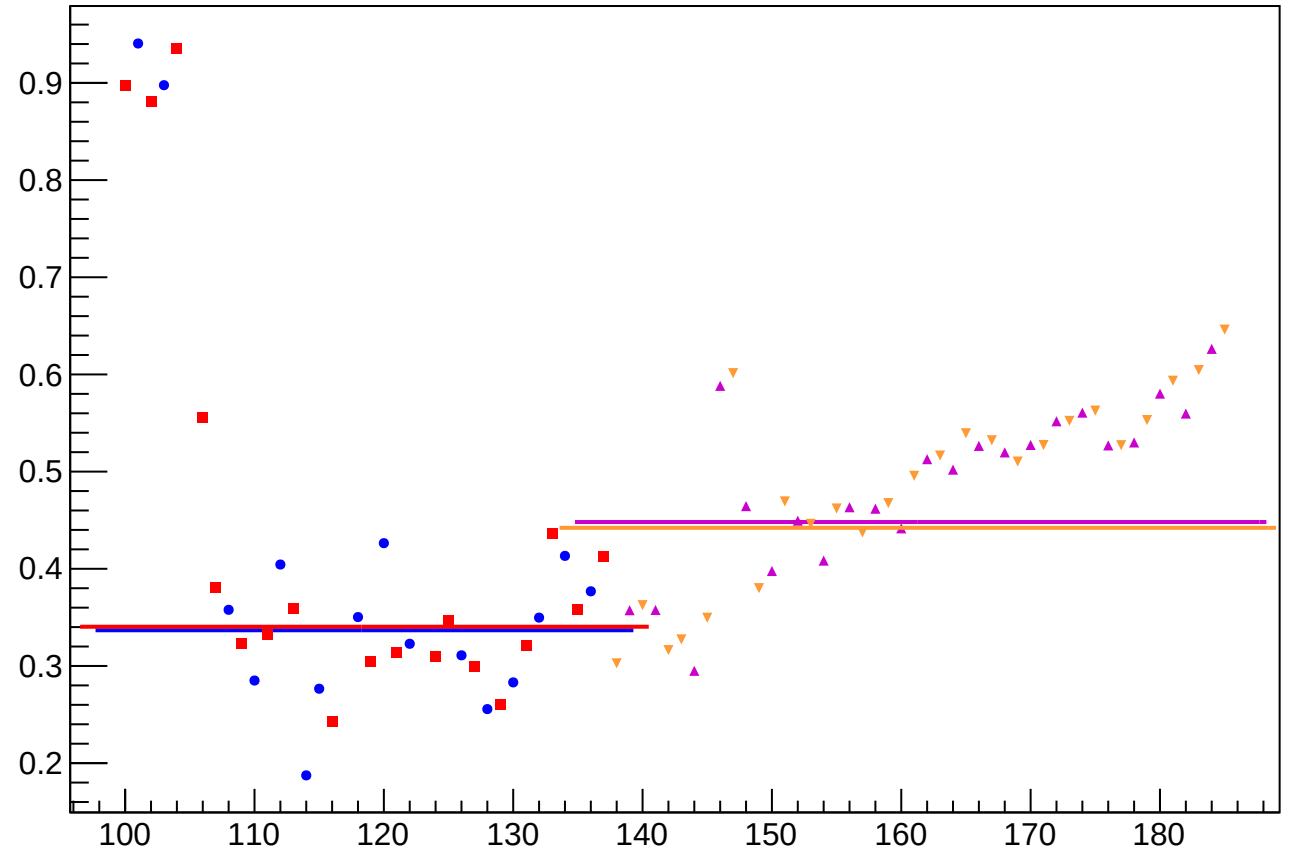
Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 147.022+/-0.000 χ^2/NDF: 3962266535.9/40

All: 146.879+/-0.000 χ^2/NDF: 8507947039.9

- sign 146.730+/-0.000 χ^2/NDF: 4539708812.4/41



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

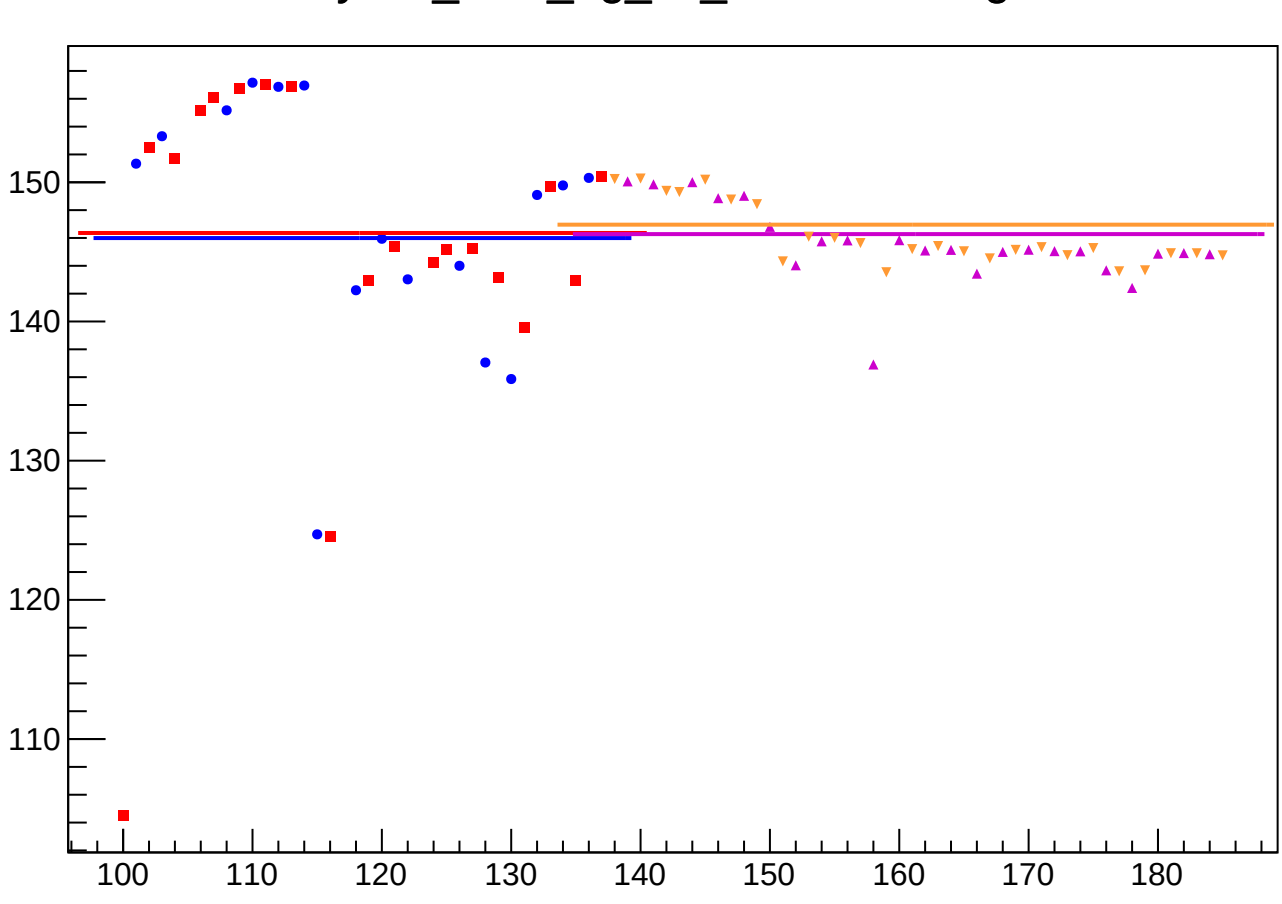
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.404+/-0.000 χ^2/NDF: 3815617.4/40

All: 0.405+/-0.000 χ^2/NDF: 7194084.3/82

- 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: 146.956+/-0.000 χ^2/NDF:542800379.5/24

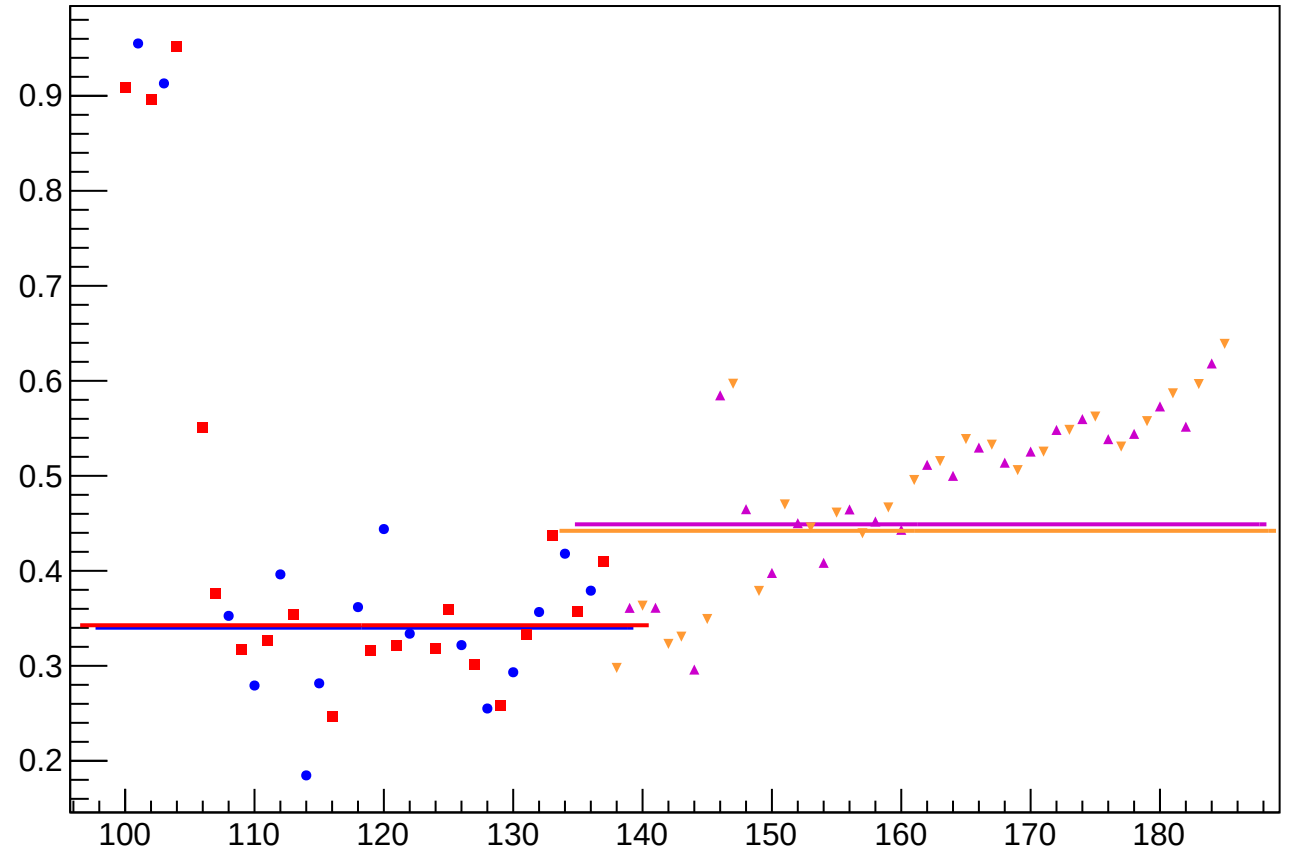
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.610+/-0.000 χ^2/NDF: 4194897190.6/40

All: 146.463+/-0.000 χ^2/NDF: 8989737975.6

- sign 146.308+/-0.000 χ^2/NDF: 4788492384.6/41



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

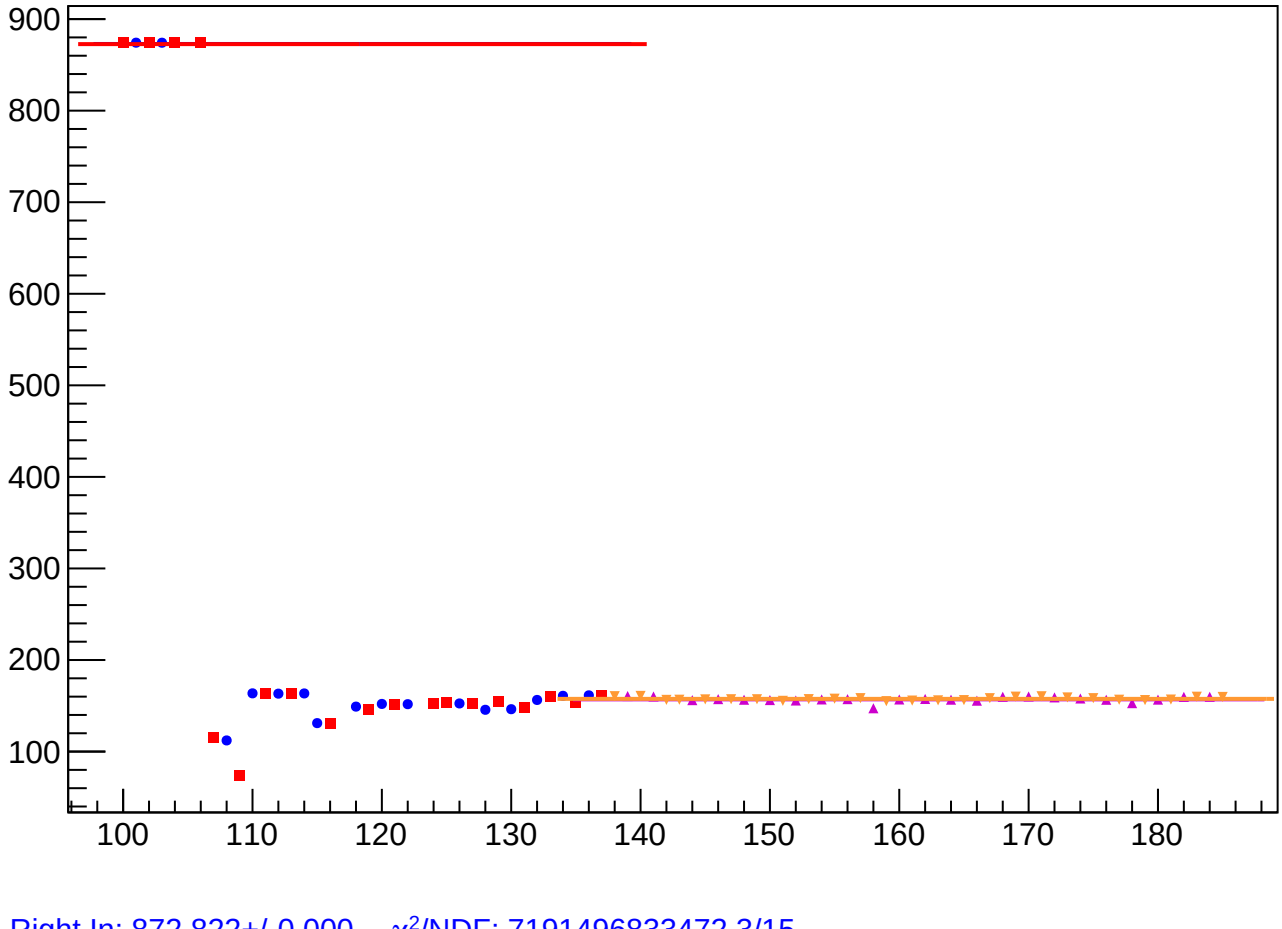
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.406+/-0.000 χ^2/NDF: 3752722.7/40

All: 0.407+/-0.000 χ^2/NDF: 7050872.6/82

- sign 0.409+/-0.000 χ^2/NDF: 3296732.8/41

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

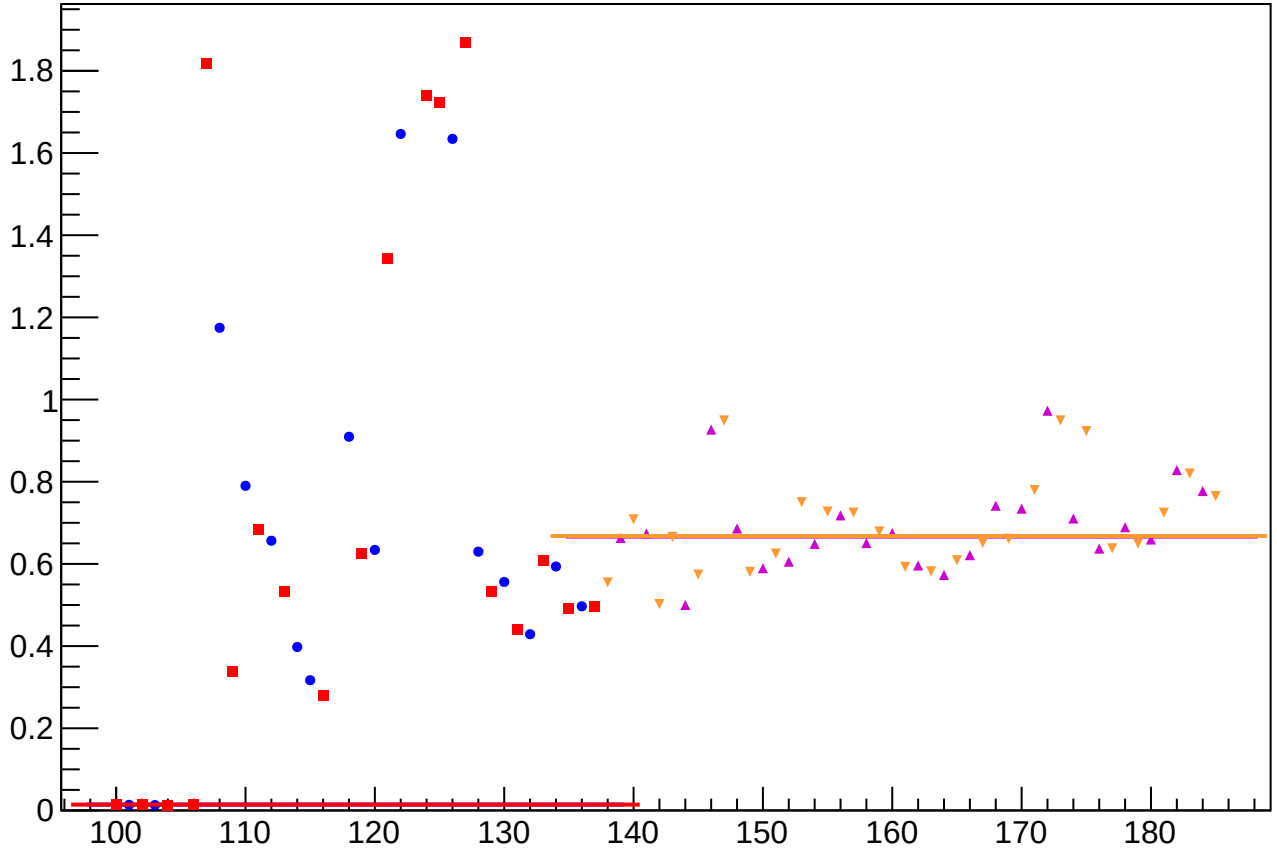
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.437+/-0.000 χ^2/NDF: 24442618267730.

All: 869.664+/-0.000 χ^2/NDF: 501444661666

- sign 869.861+/-0.000 χ^2/NDF: 25701156631049.3

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

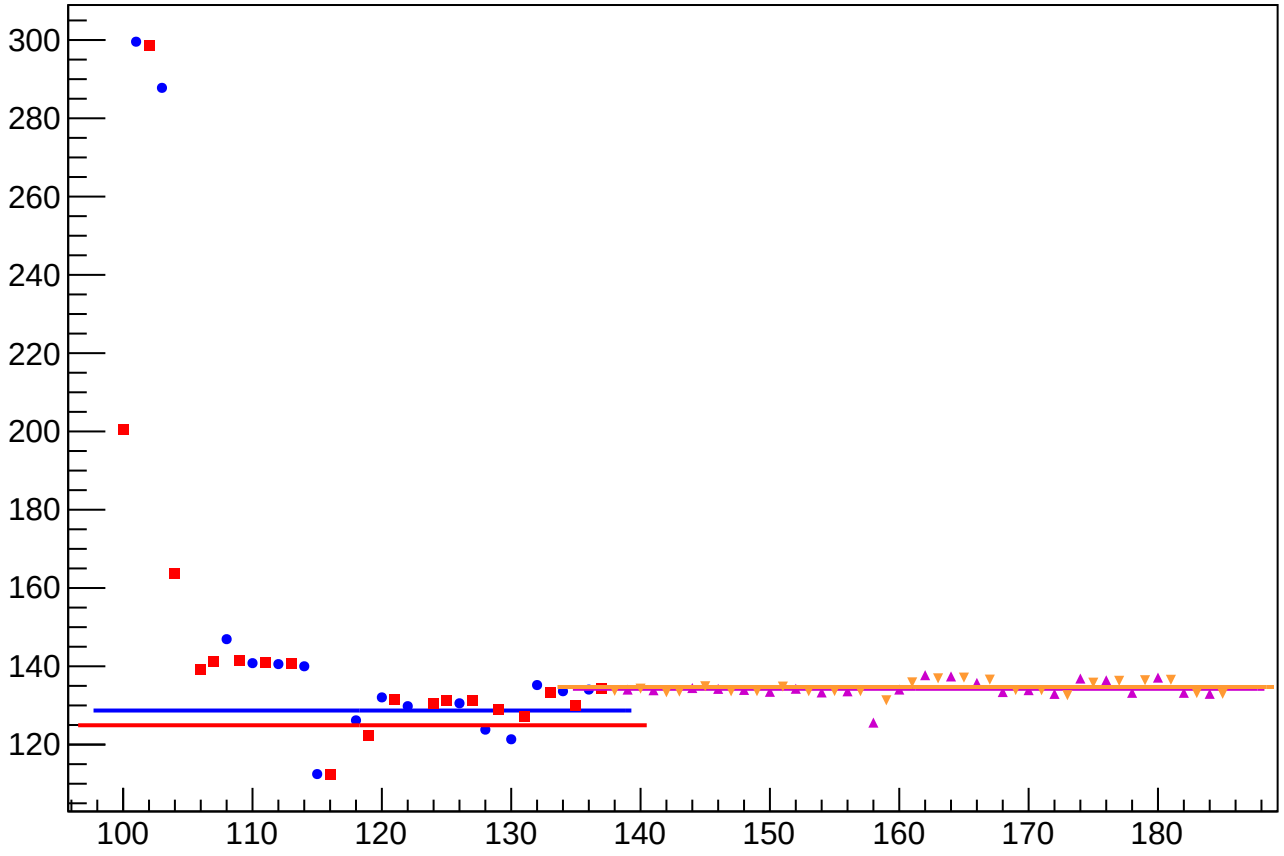
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.017+/-0.000 χ^2/NDF: 39113477.7/40

All: 0.017+/-0.000 χ^2/NDF: 76527590.6/82

- 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: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

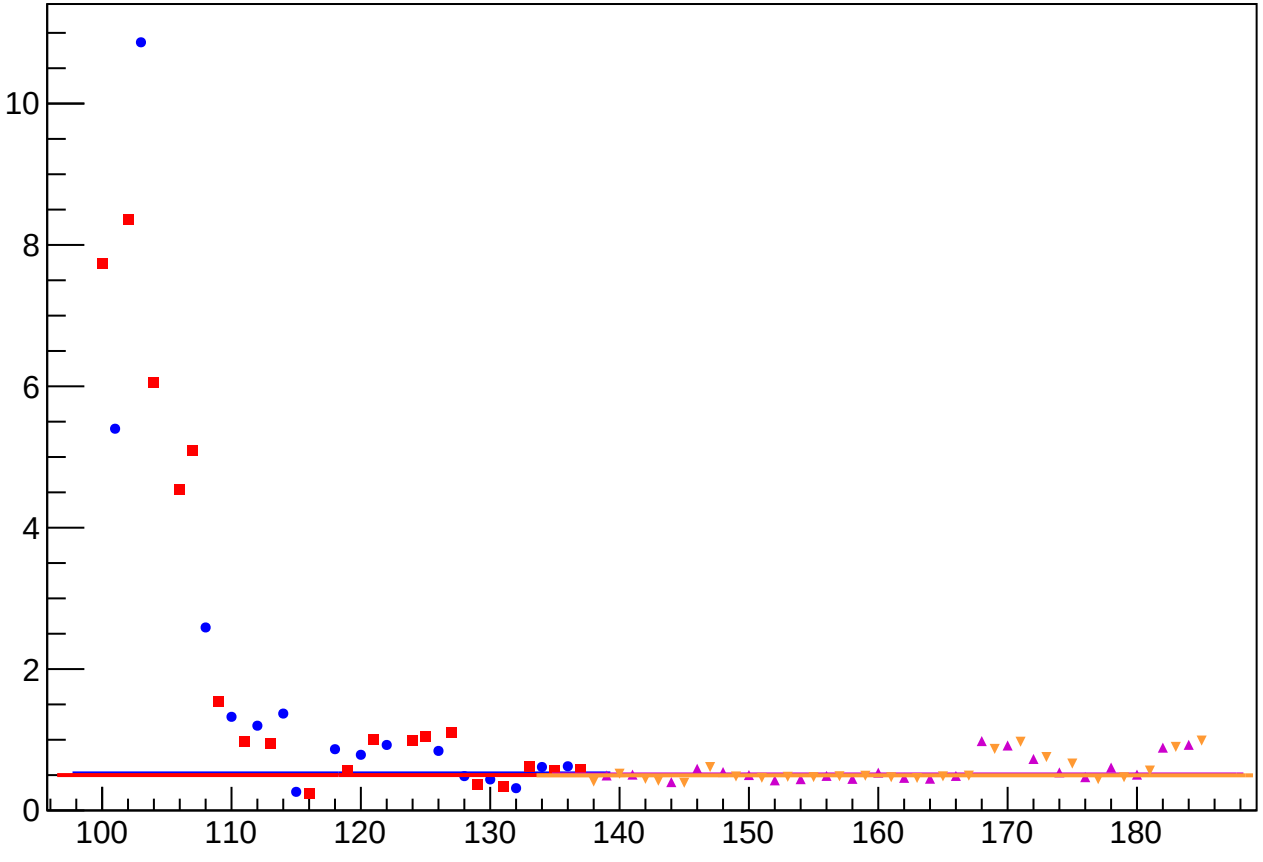
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 133.713+/-0.000 χ^2/NDF: 2218866008.9/40

All: 133.127+/-0.000 χ^2/NDF: 5103530196.1

- 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: 0.497+/-0.000 χ^2/NDF:1572512.9/24

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 0.501+/-0.000 χ^2/NDF: 5727328.9/40

All: 0.505+/-0.000 χ^2/NDF: 12102039.8/82

- 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: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

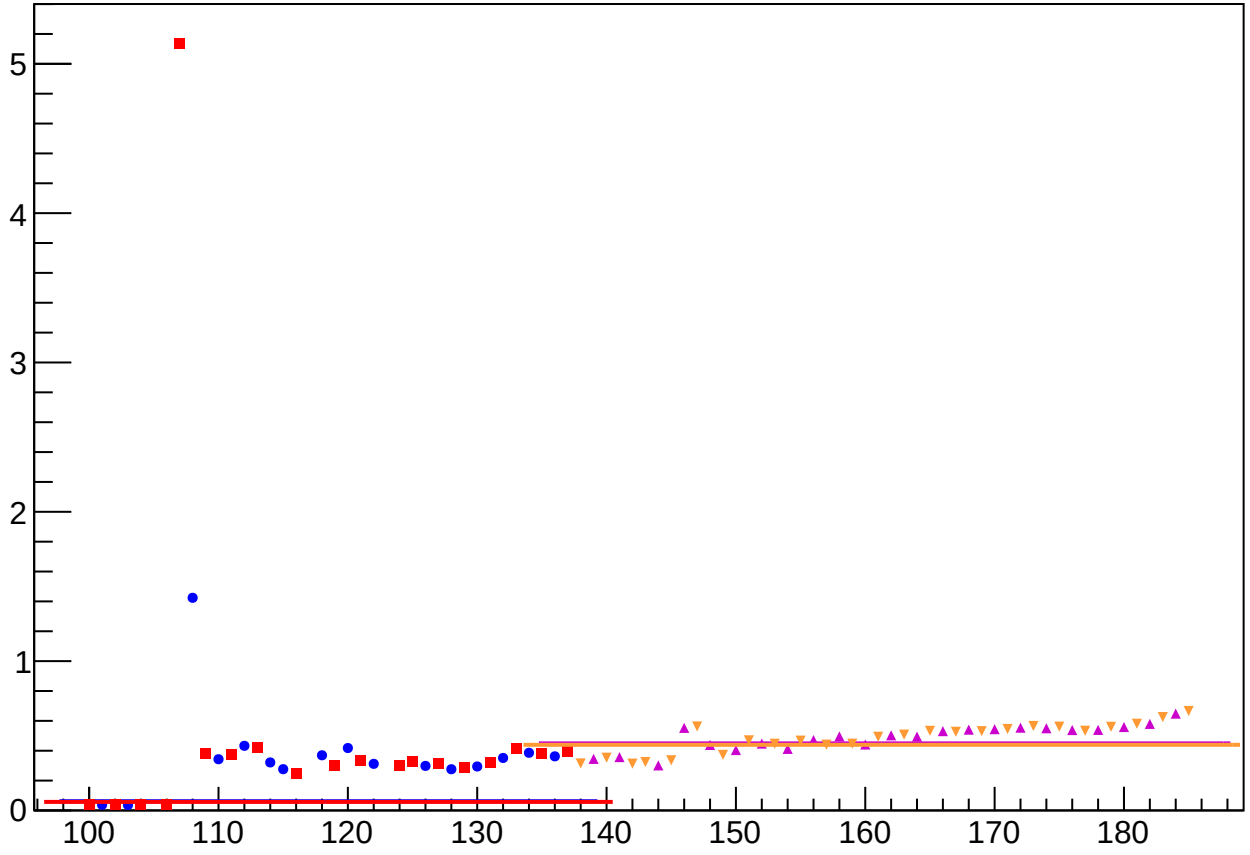
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1601.470+/-0.000 χ^2/NDF: 37727225233493

All: 1638.147+/-0.000 χ^2/NDF: 7466836270

- 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: 0.440+/-0.000 χ^2/NDF:1765604.0/24

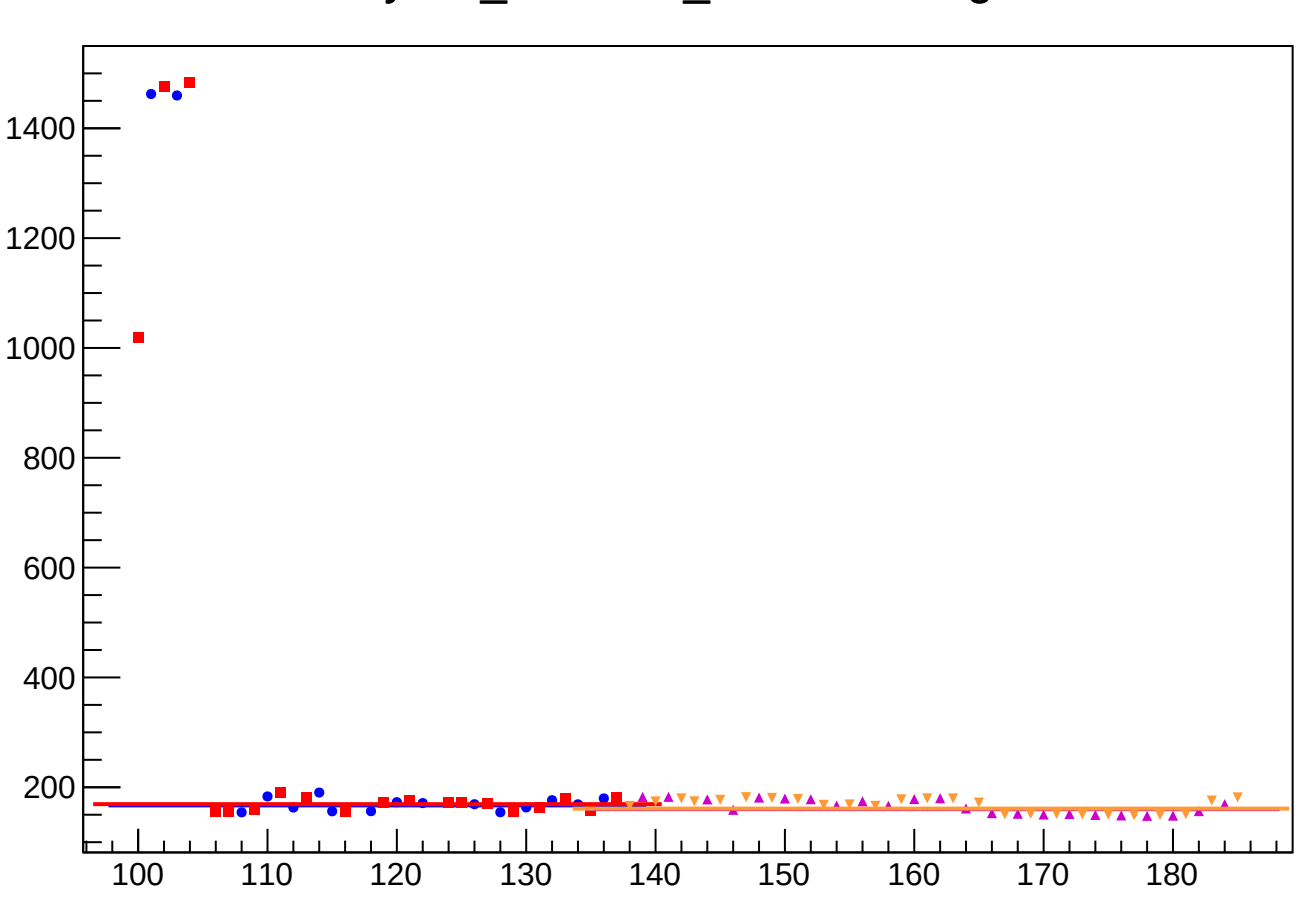
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.115+/-0.000 χ^2/NDF: 32730821.4/40

All: 0.108+/-0.000 χ^2/NDF: 65068384.5/82

- 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: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

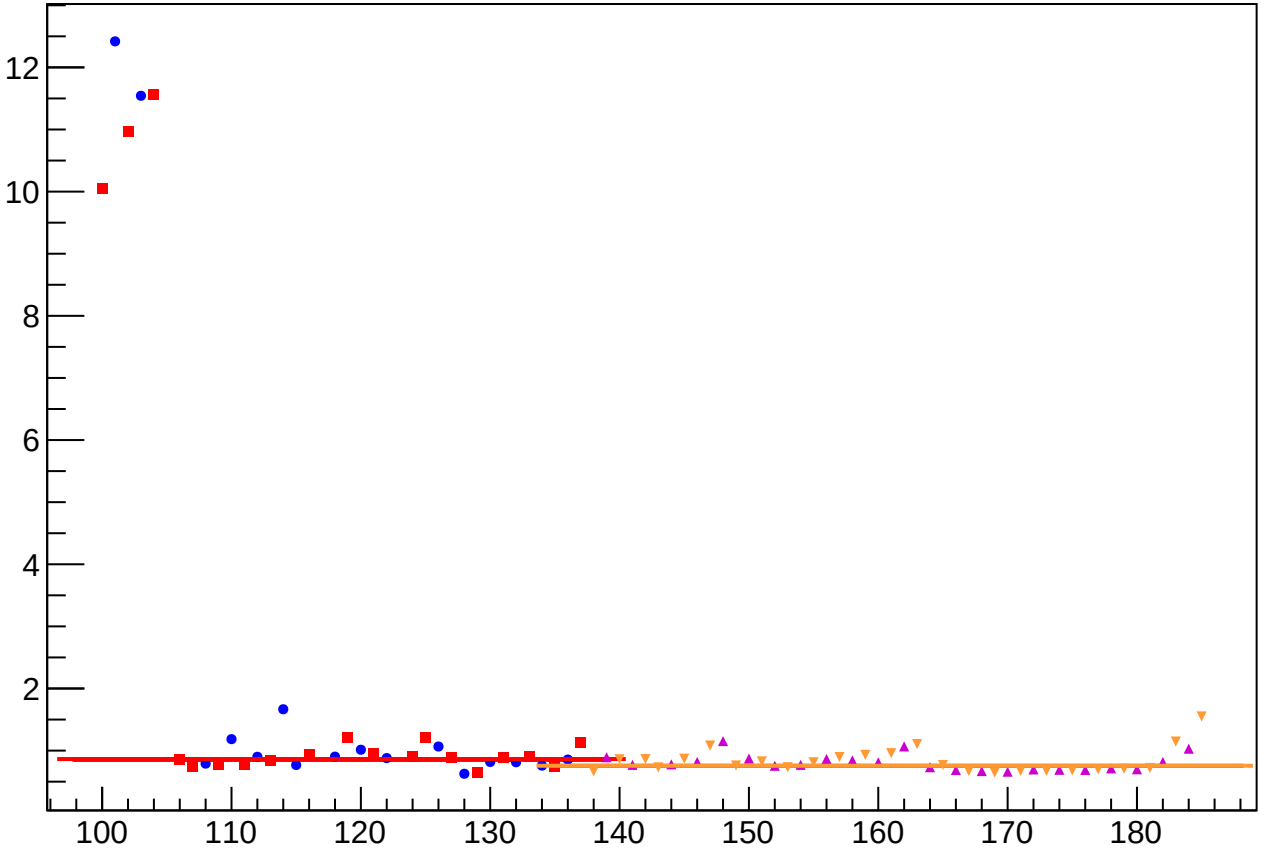
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.190+/-0.000 χ^2/NDF: 18504062240.7/40

All: 162.023+/-0.000 χ^2/NDF: 38929648579.

- 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: 0.756+/-0.000 χ^2/NDF:750259.3/24

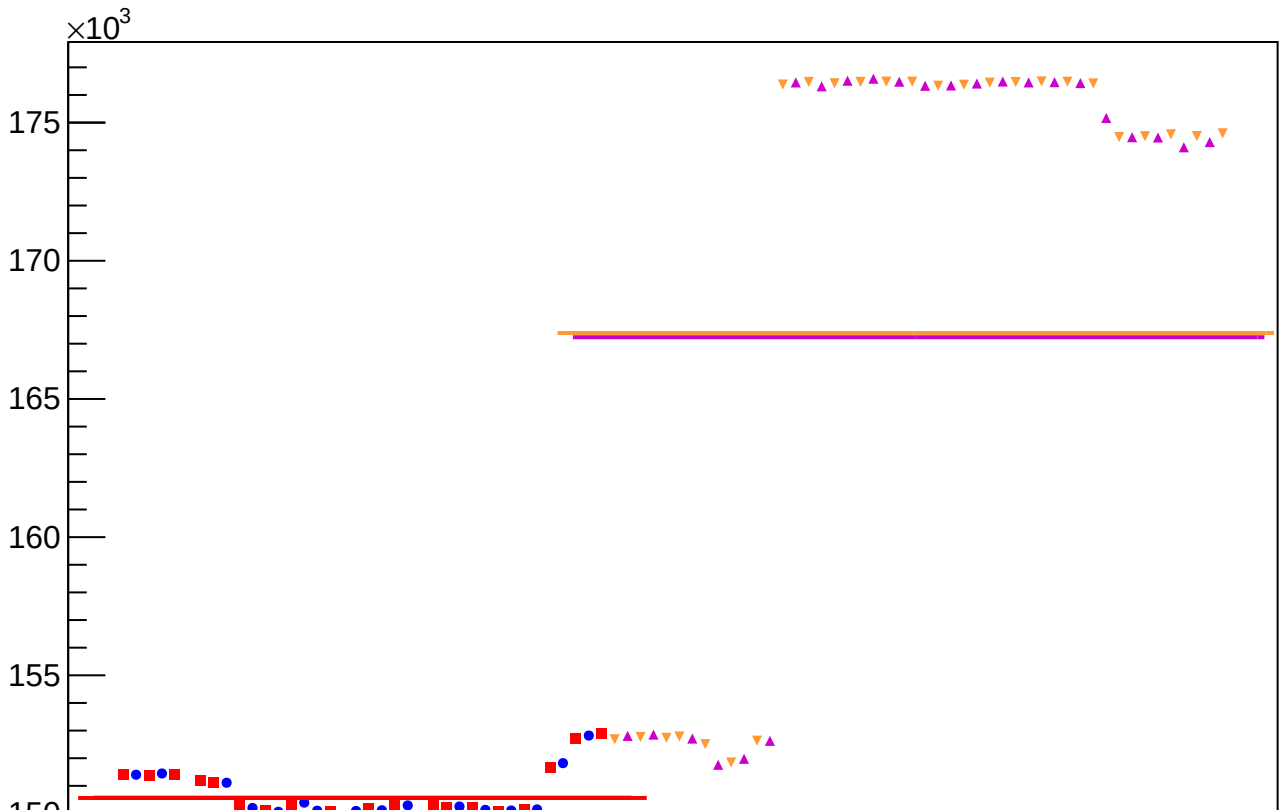
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.773+/-0.000 χ^2/NDF: 3133925.4/40

All: 0.775+/-0.000 χ^2/NDF: 5921010.4/82

- 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: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

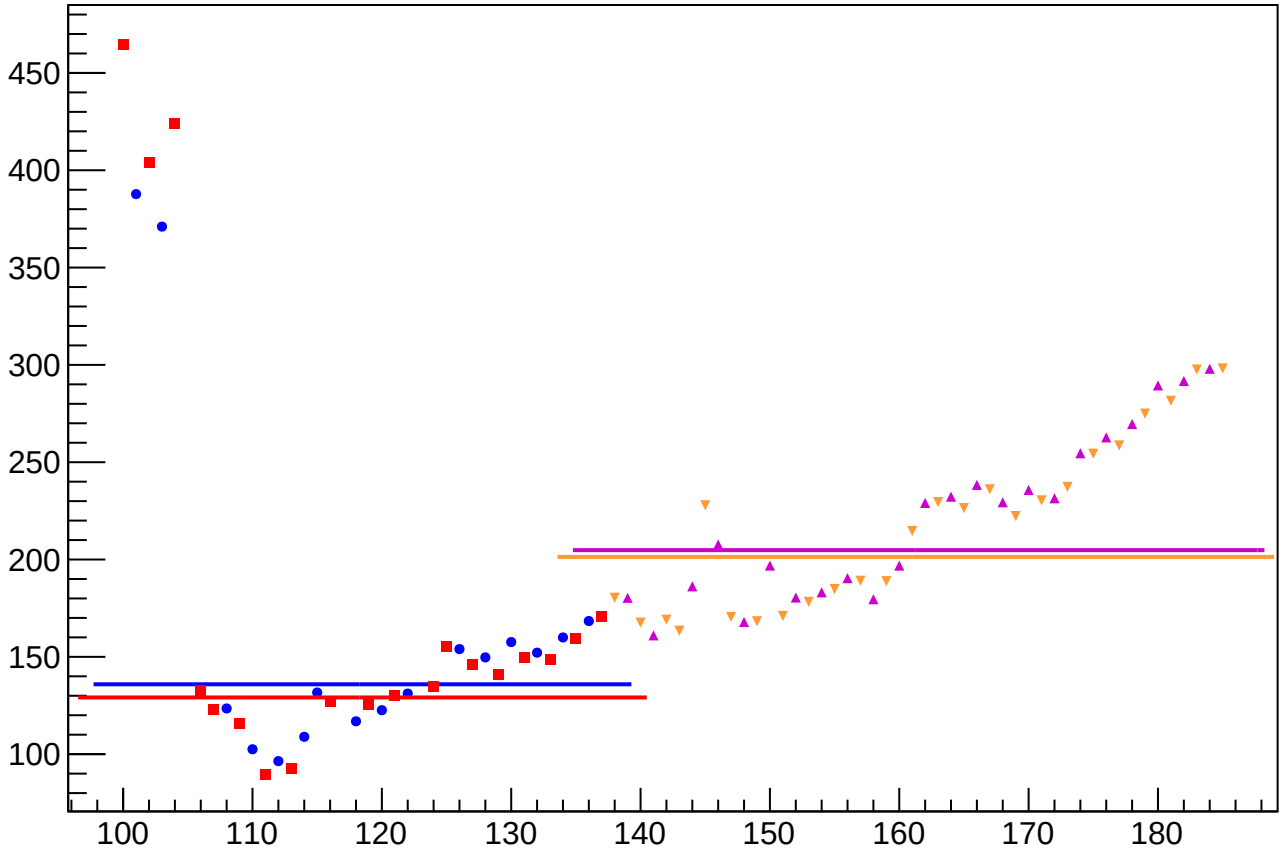
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160276.500+/-0.036 χ^2/NDF: 11458094987

All: 159760.133+/-0.025 χ^2/NDF: 2260327

- 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: 201.329+/-0.033 χ^2/NDF:1230655.6/24

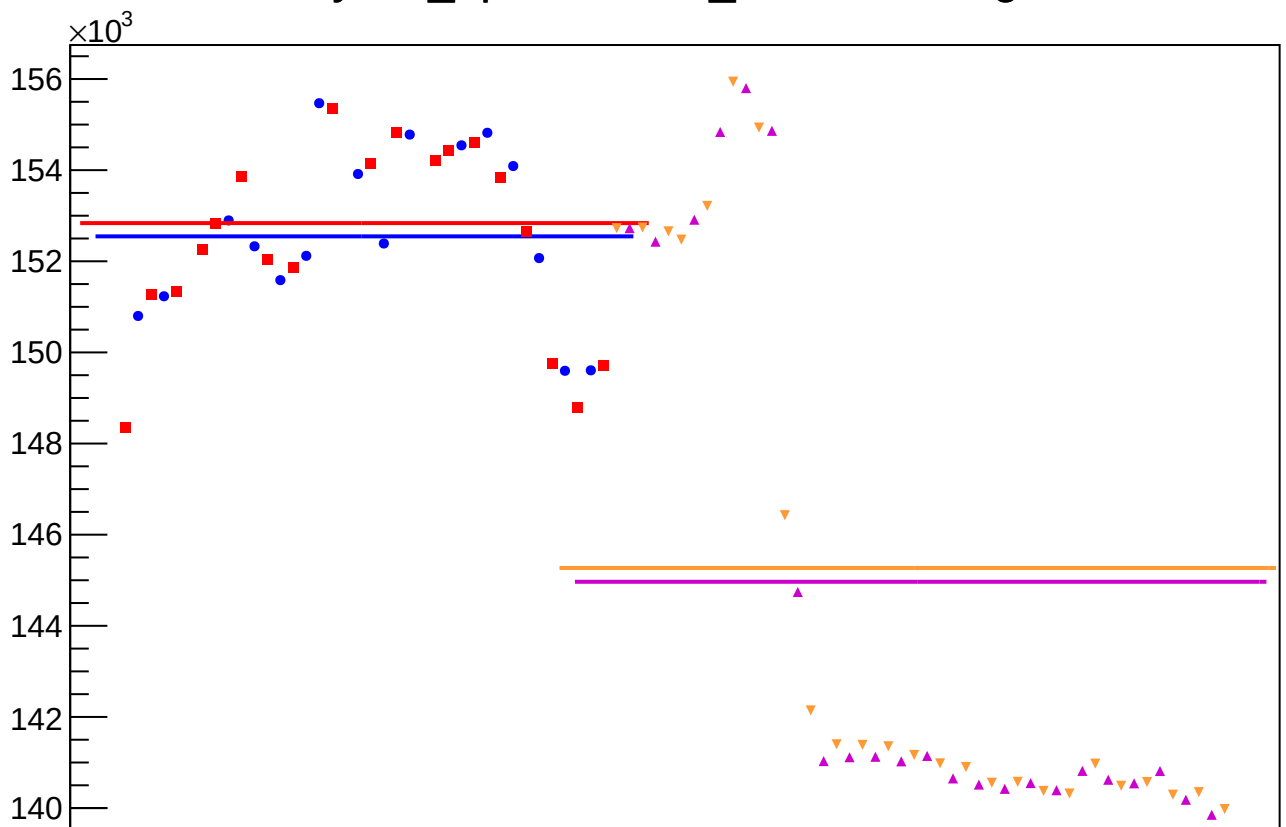
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 173.668+/-0.025 χ^2/NDF: 4304440.1/40

All: 171.107+/-0.018 χ^2/NDF: 9290247.9/82

- 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: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

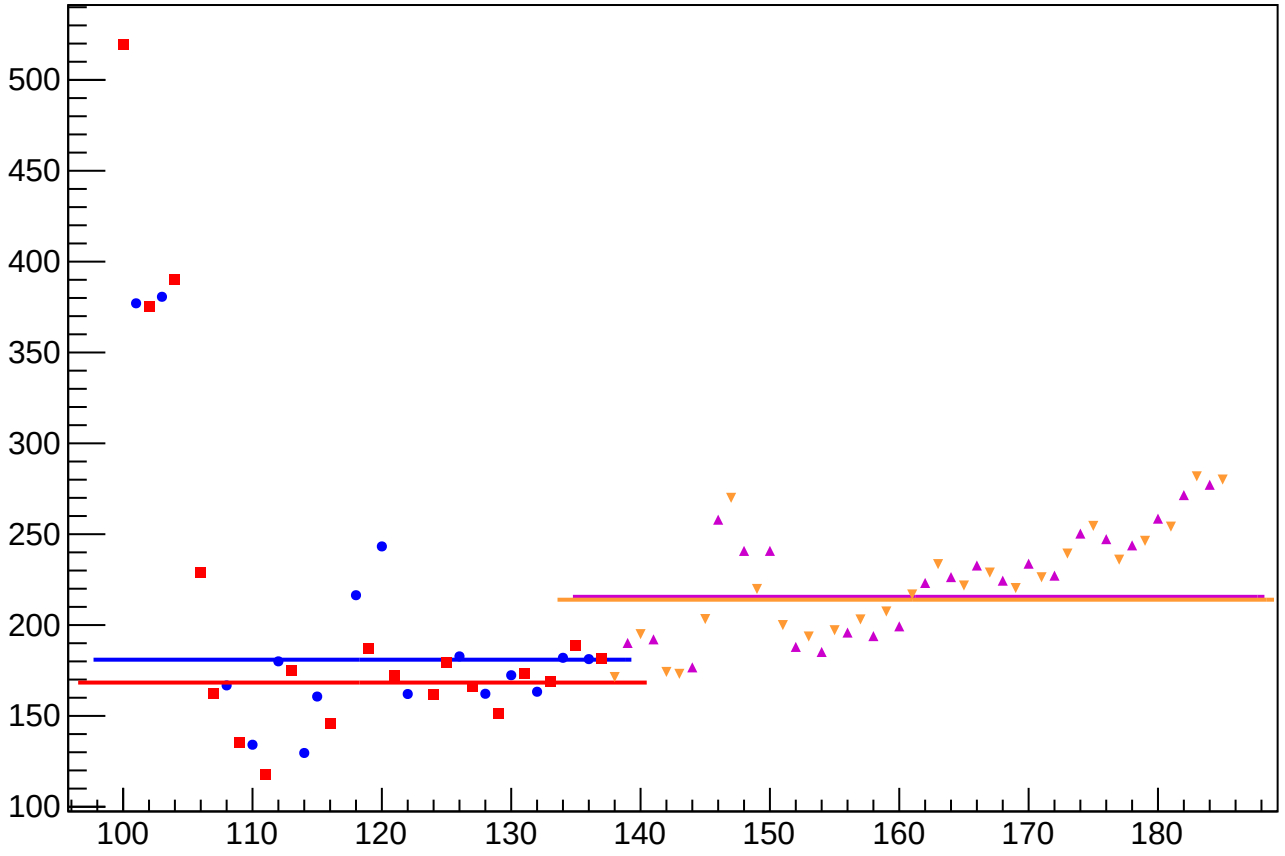
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147571.387+/-0.041 χ^2/NDF: 21227327952.4

All: 147730.282+/-0.029 χ^2/NDF: 43918399

- 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: 213.951+/-0.035 χ^2/NDF:650607.8/24

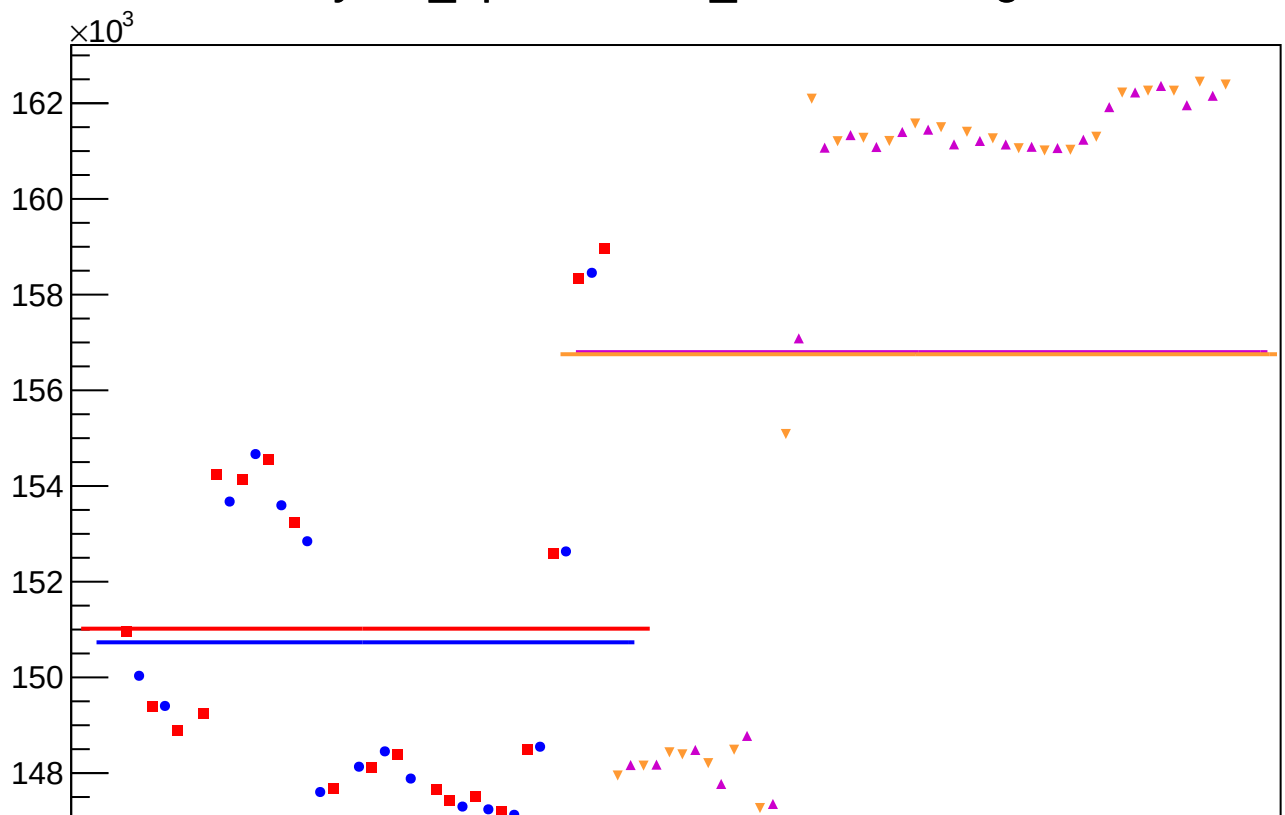
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.510+/-0.029 χ^2/NDF: 1840996.0/40

All: 200.753+/-0.020 χ^2/NDF: 4179138.8/82

- 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: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

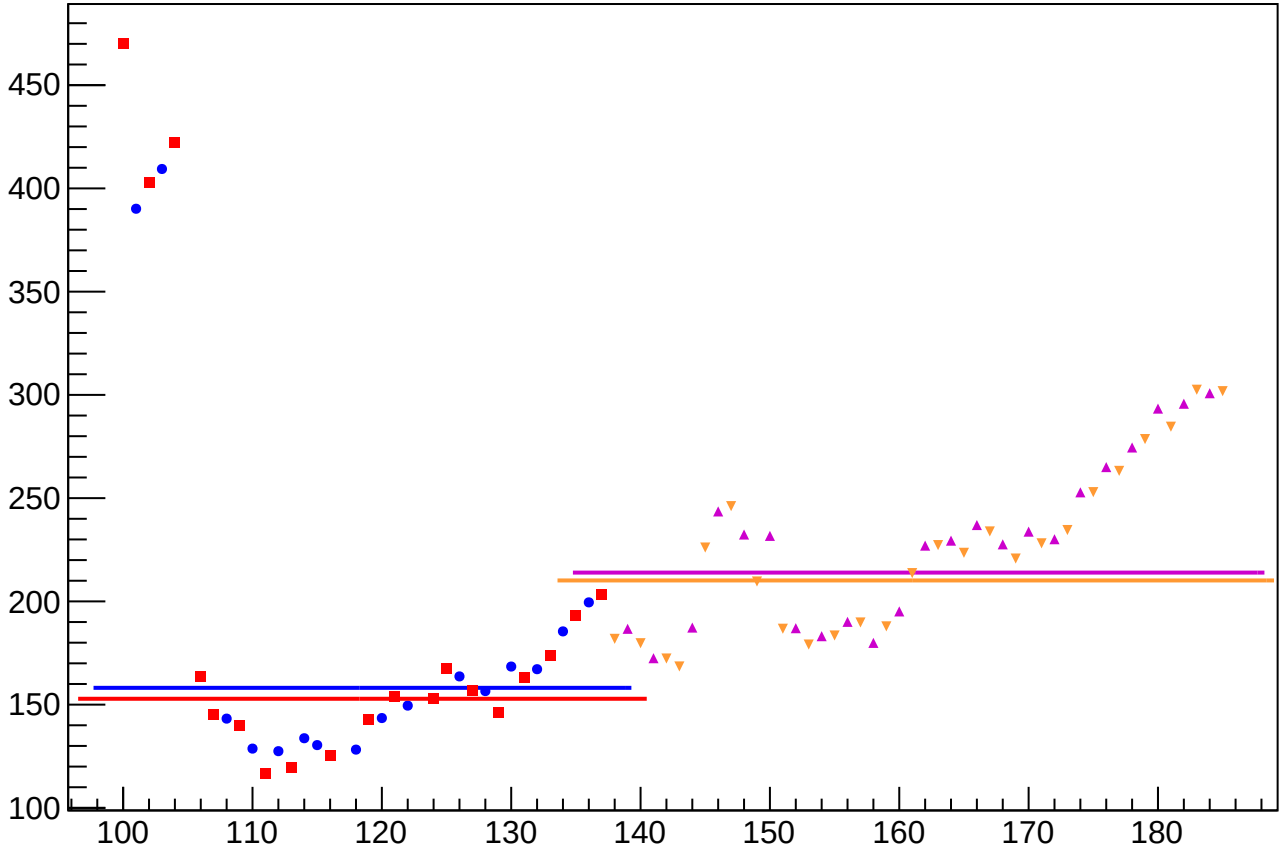
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154501.132+/-0.038 χ^2/NDF: 2539884587

All: 154440.708+/-0.027 χ^2/NDF: 4841922

- sign 154379.098+/-0.039 χ^2/NDF: 2301539545

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

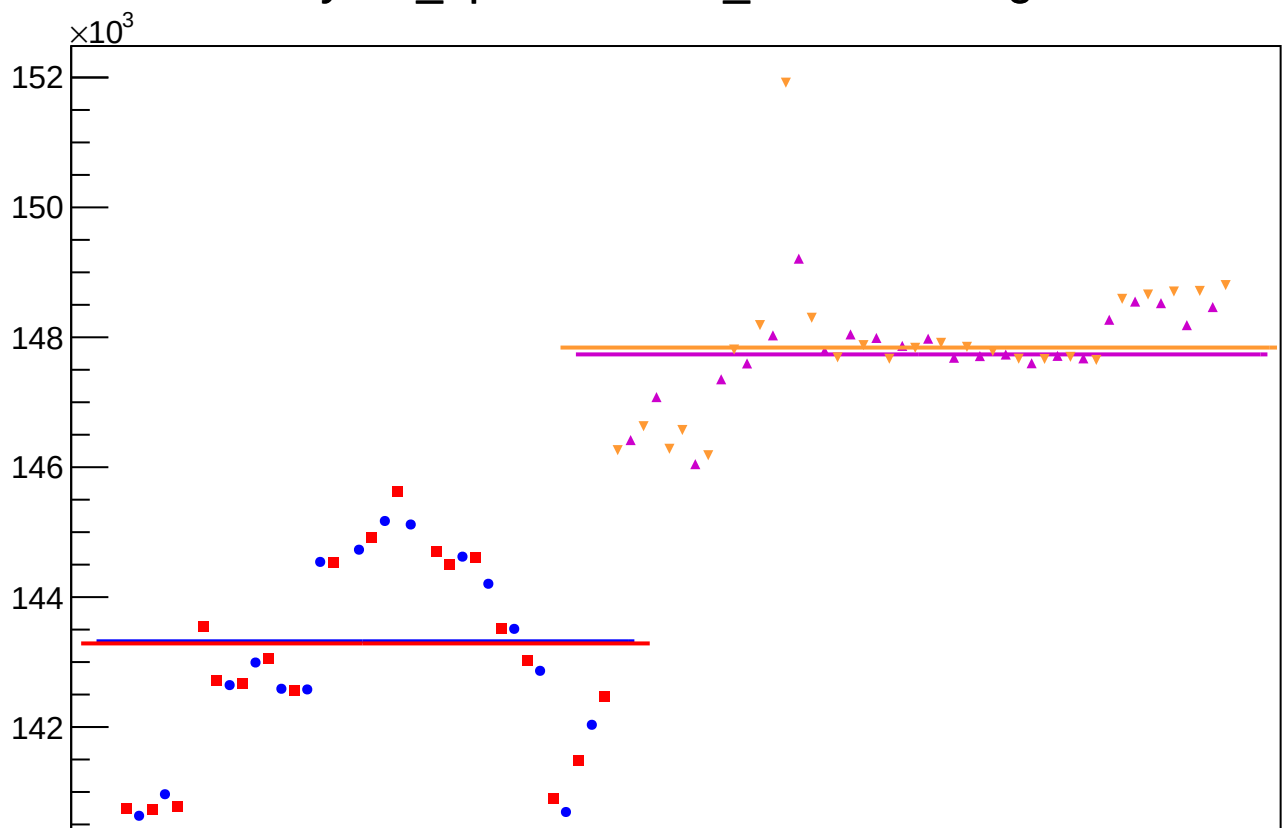
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 190.681+/-0.027 χ^2/NDF: 3049068.3/40

All: 189.538+/-0.019 χ^2/NDF: 6435234.8/82

- 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: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

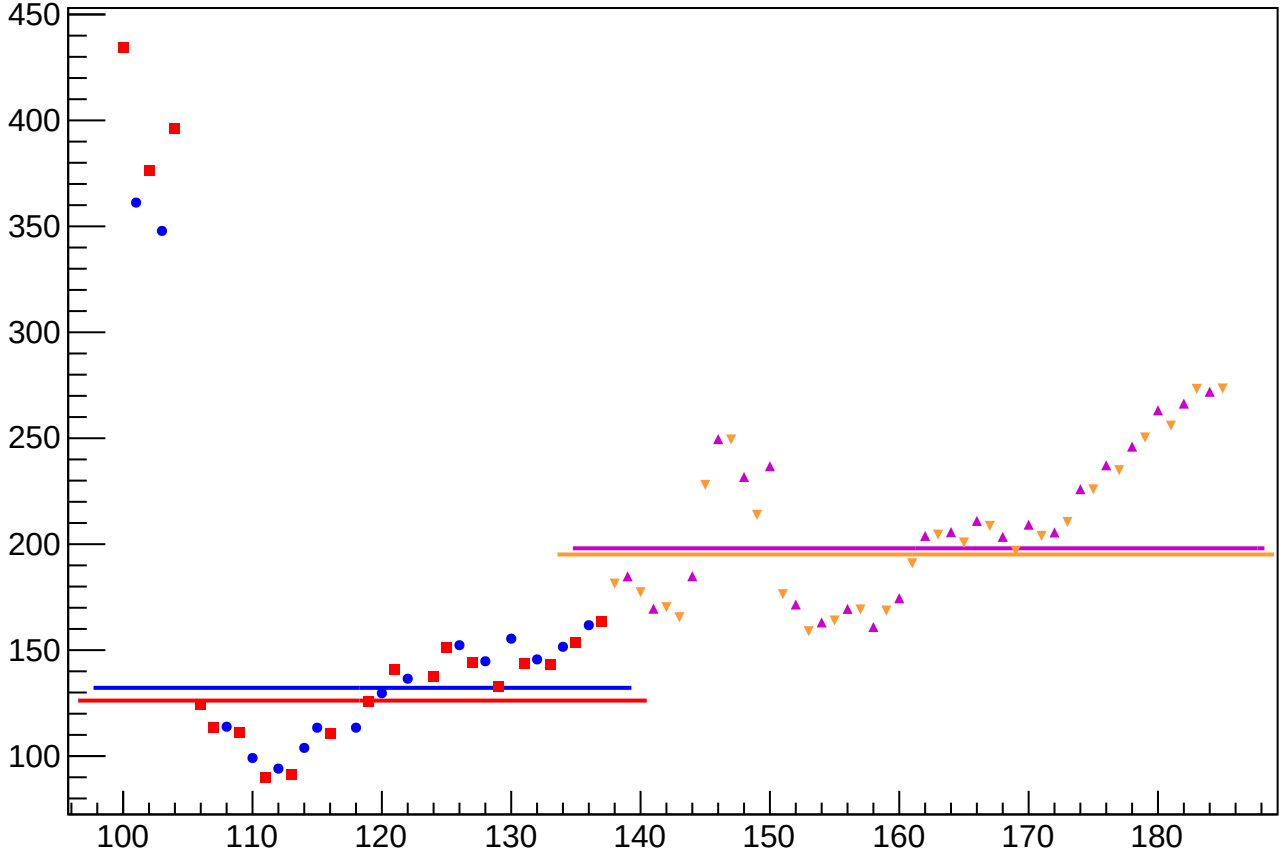
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 145946.417+/-0.034 χ^2/NDF: 5481710313.1

All: 145786.230+/-0.024 χ^2/NDF: 10587978

- 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: 195.145+/-0.032 χ^2/NDF:903994.2/24

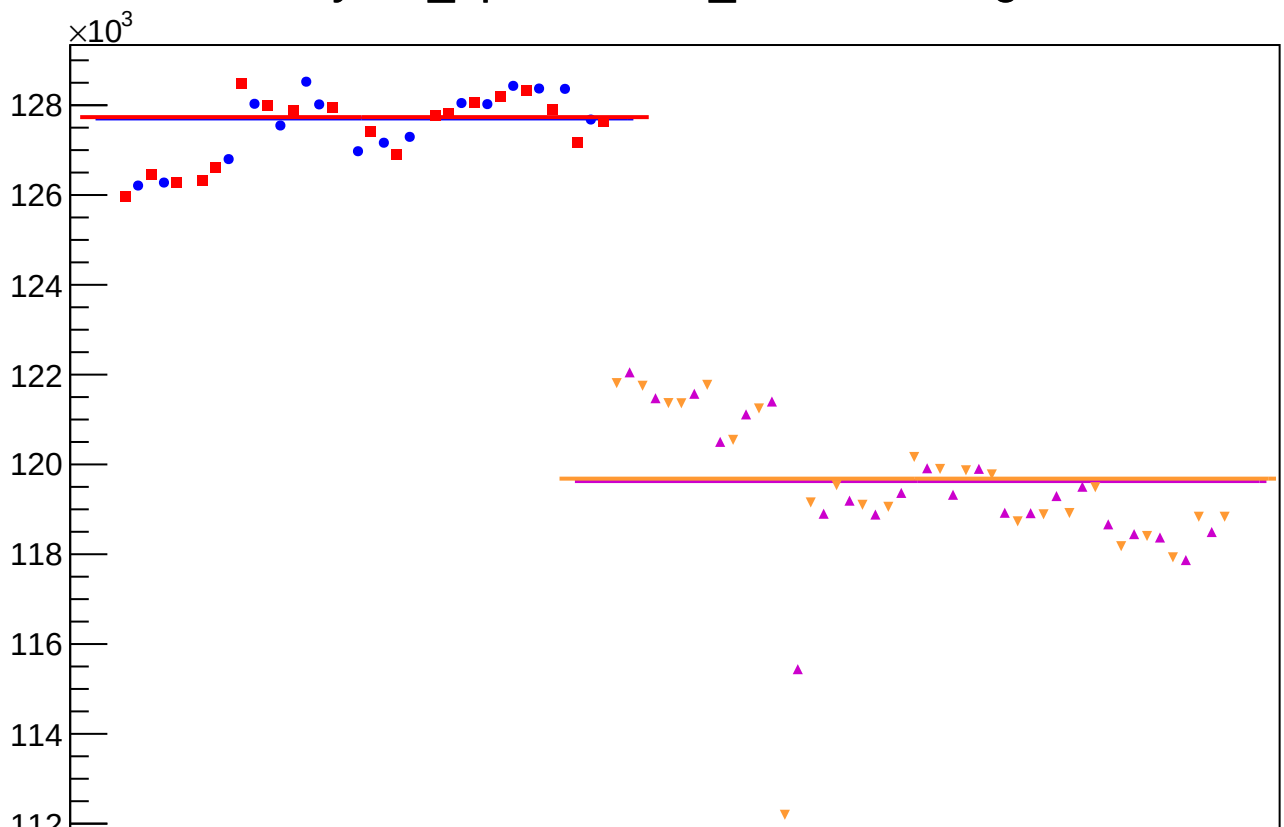
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 168.762+/-0.024 χ^2/NDF: 3913799.6/40

All: 166.366+/-0.017 χ^2/NDF: 8577620.4/82

- 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: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

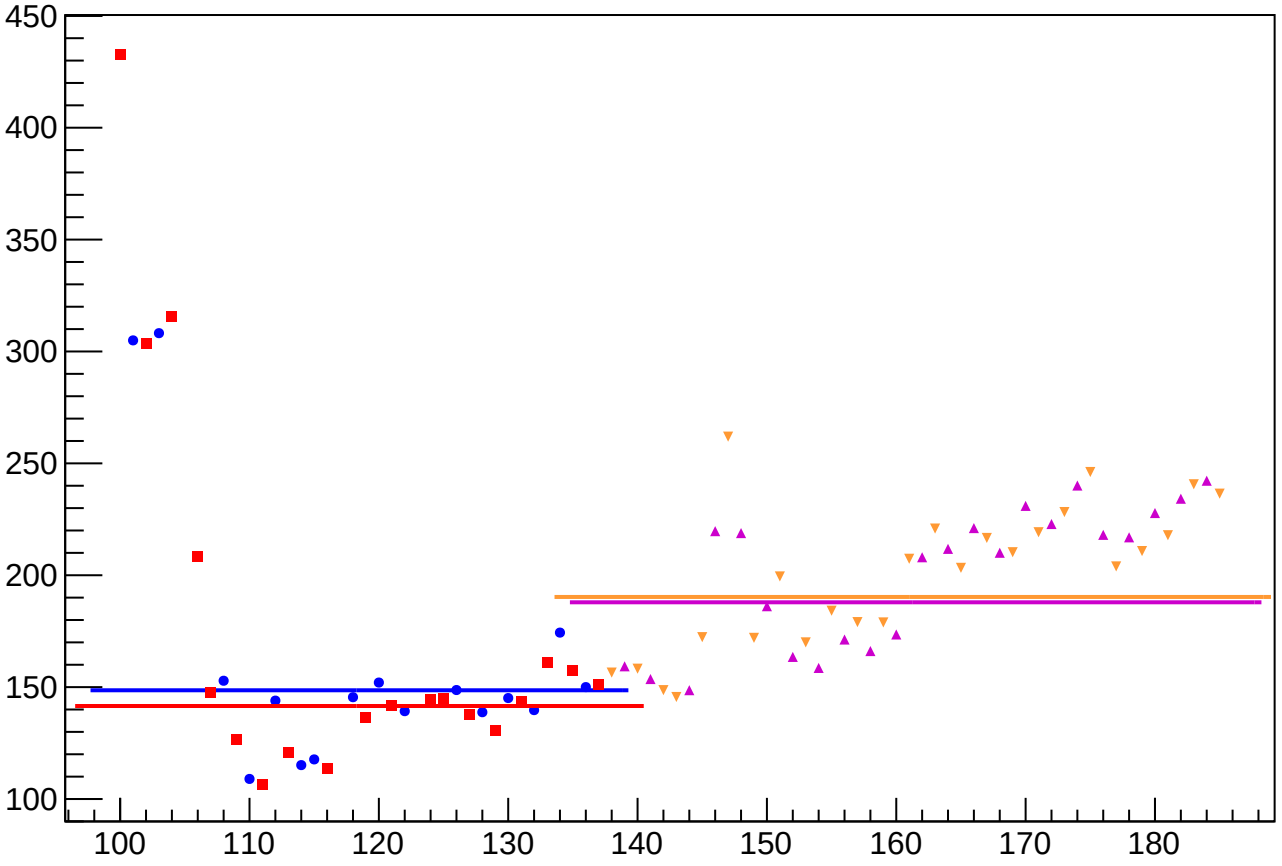
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122609.396+/-0.035 χ^2/NDF: 14069299070.

All: 122748.867+/-0.025 χ^2/NDF: 28562565

- 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: 190.298+/-0.031 χ^2/NDF:924542.3/24

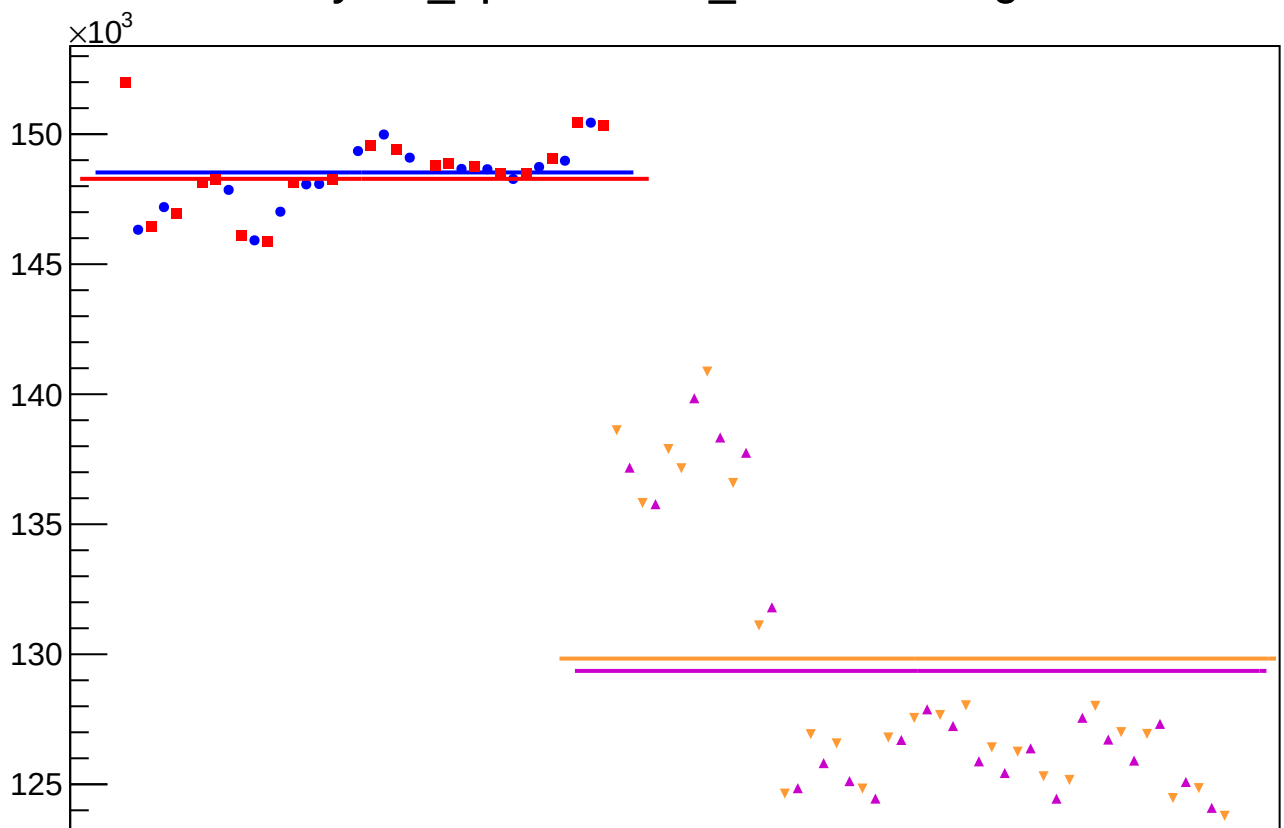
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

\+ sign 175.086+/-0.025 χ^2/NDF: 2399802.3/40

All: 172.151+/-0.018 χ^2/NDF: 5206851.1/82

\- 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: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

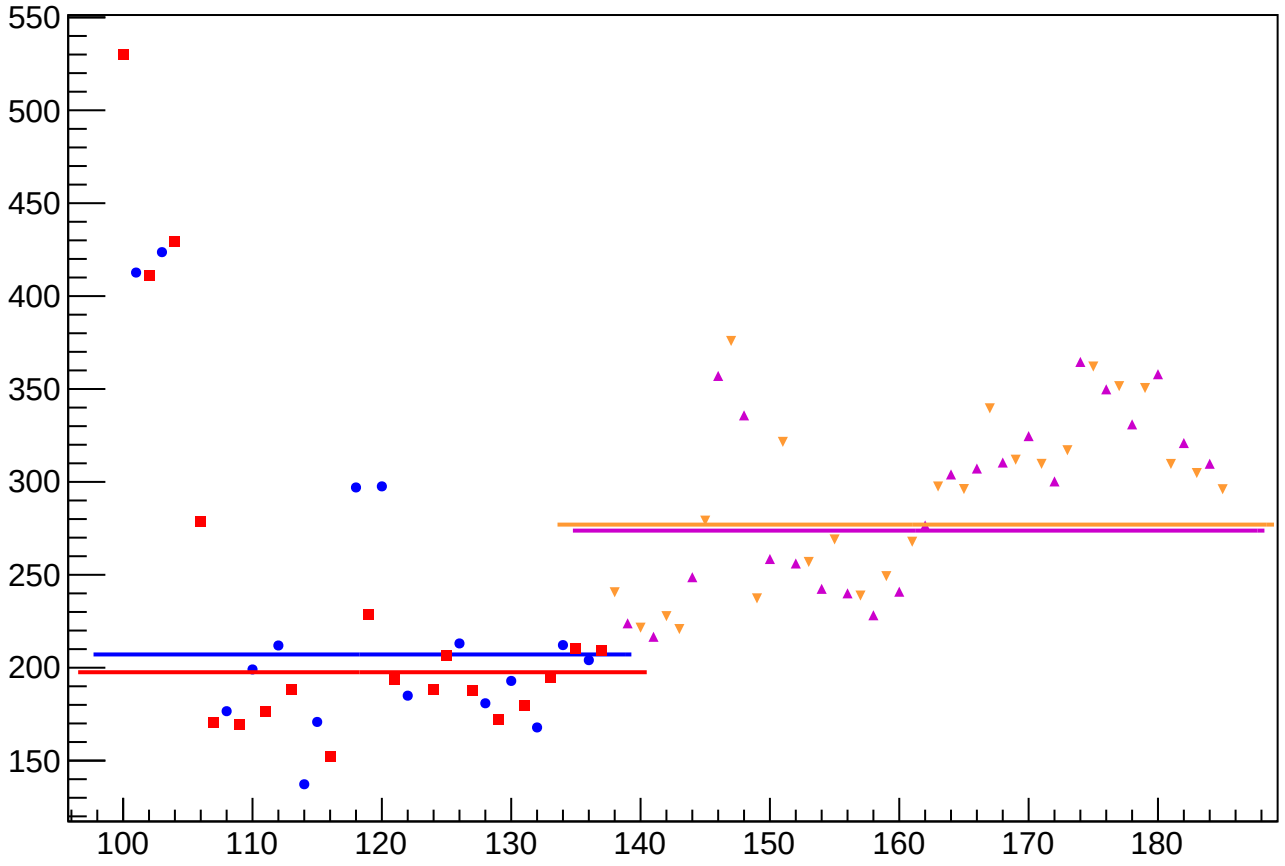
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136944.626+/-0.051 χ^2/NDF: 39251529183.7

All: 137140.868+/-0.035 χ^2/NDF: 81512131

- 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: 277.021+/-0.045 χ^2/NDF:946602.2/24

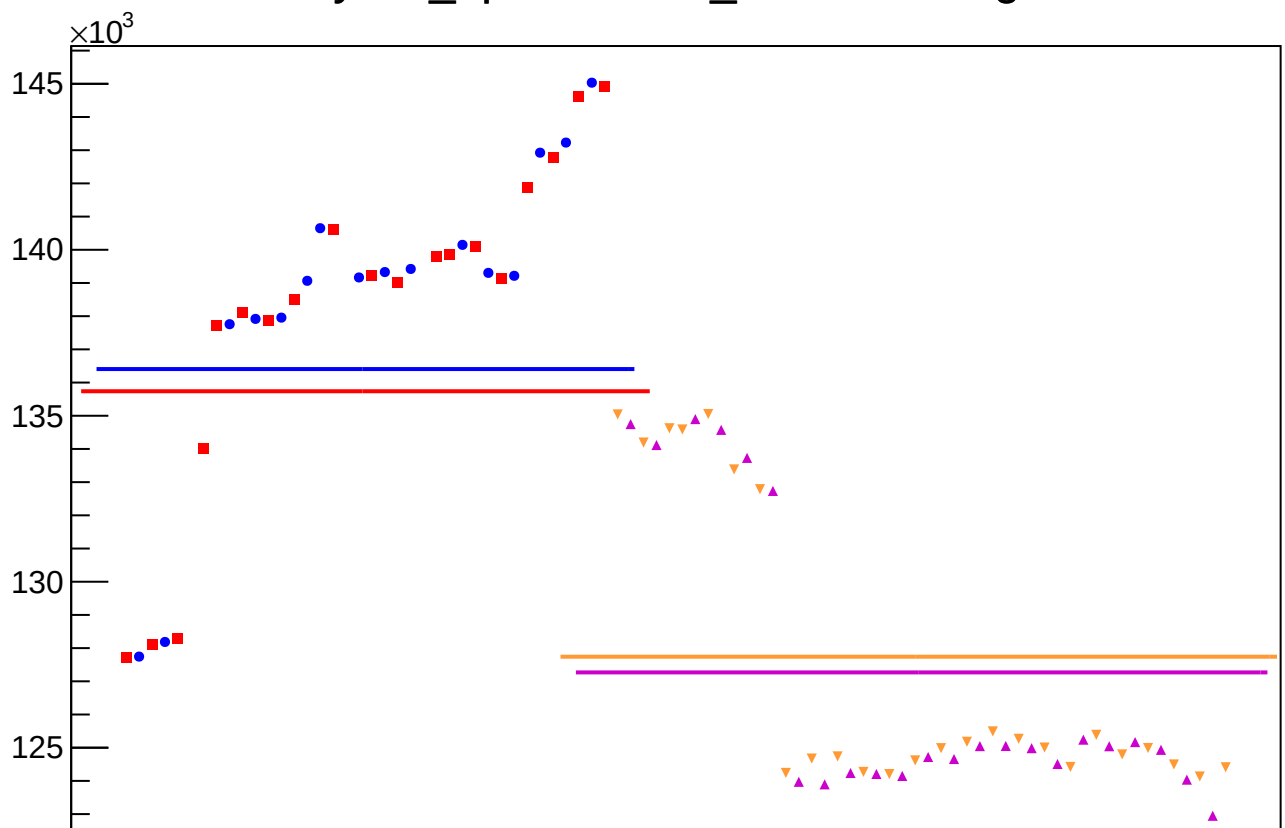
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 250.439+/-0.036 χ^2/NDF: 2820294.3/40

All: 245.989+/-0.025 χ^2/NDF: 5904454.2/82

- 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: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

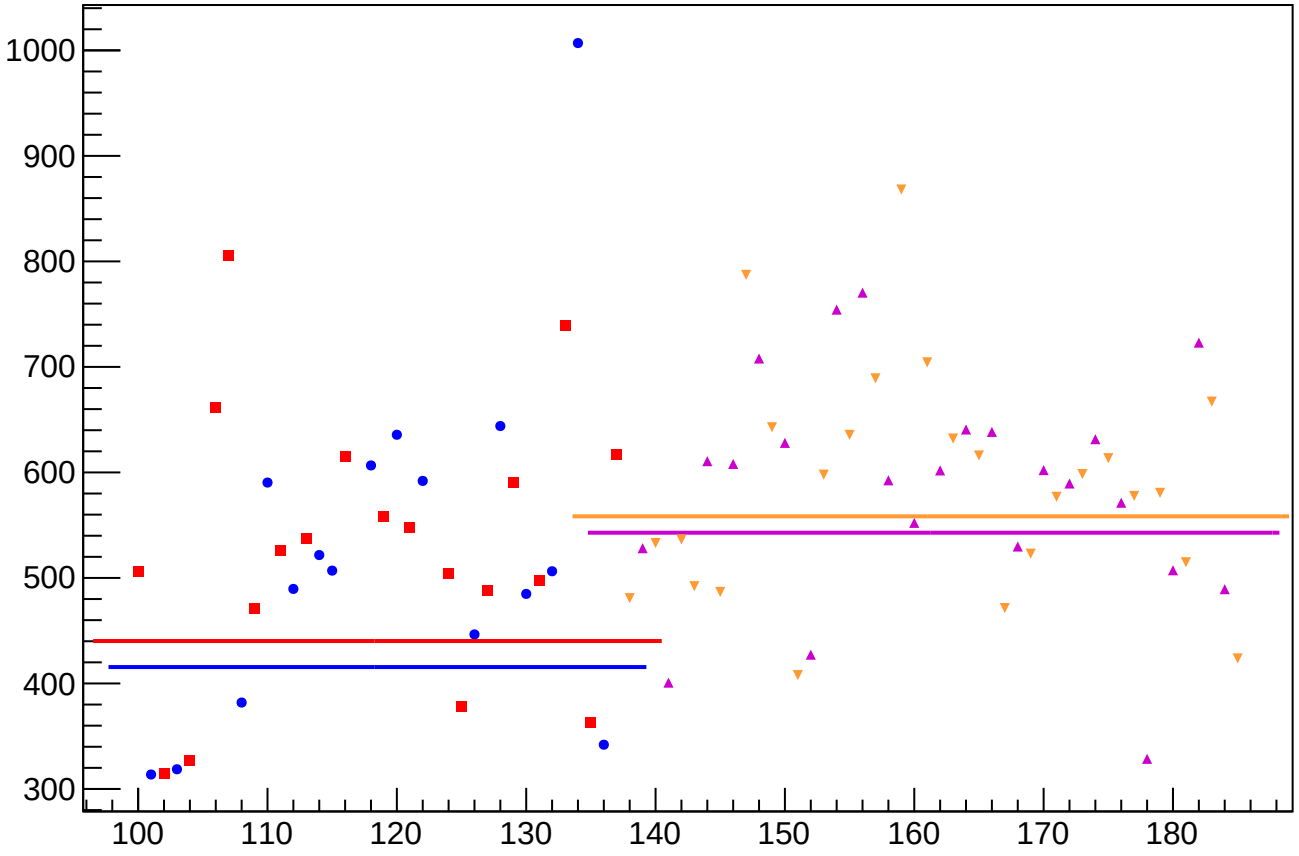
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131144.742+/-0.106 χ^2/NDF: 4274255825.1

All: 130830.337+/-0.076 χ^2/NDF: 78608180

- 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: 558.373+/-0.096 χ^2/NDF:968289.3/24

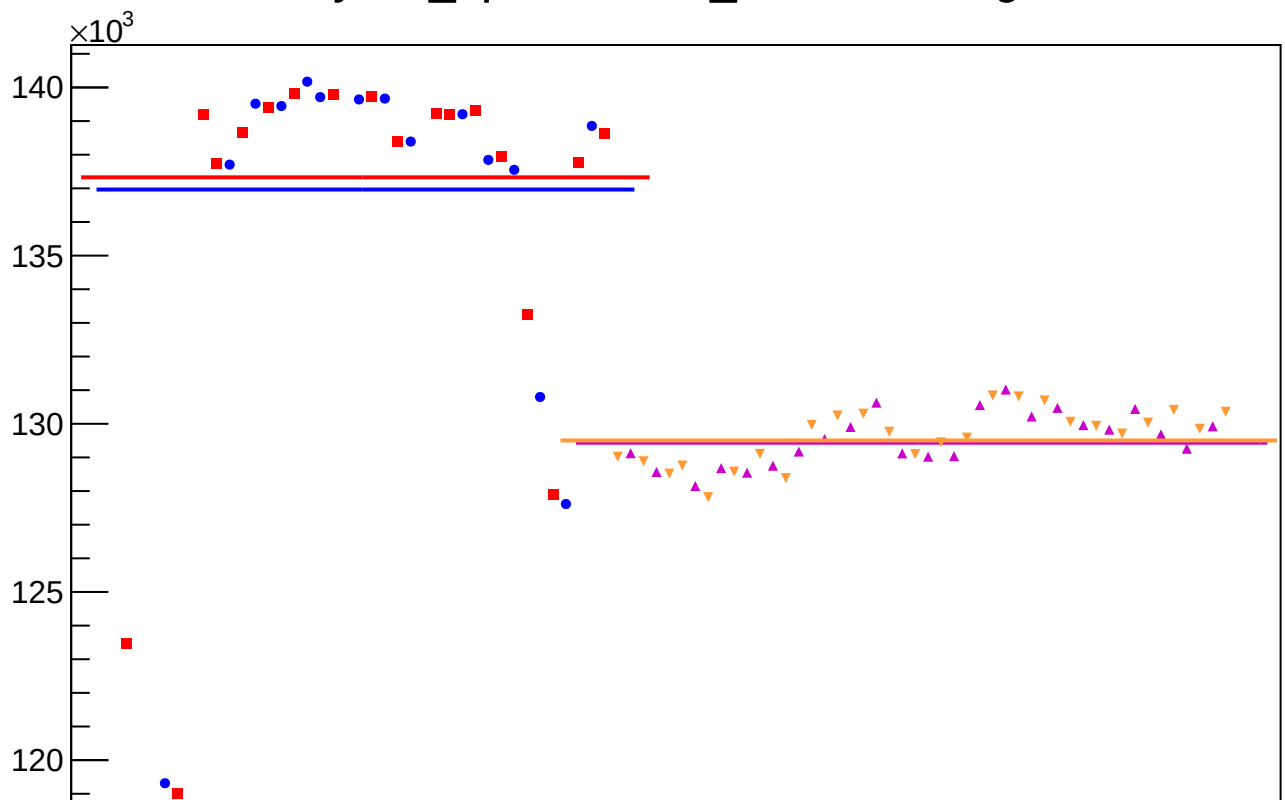
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 502.276+/-0.075 χ^2/NDF: 2871674.9/40

All: 502.996+/-0.054 χ^2/NDF: 5617329.9/82

- 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: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

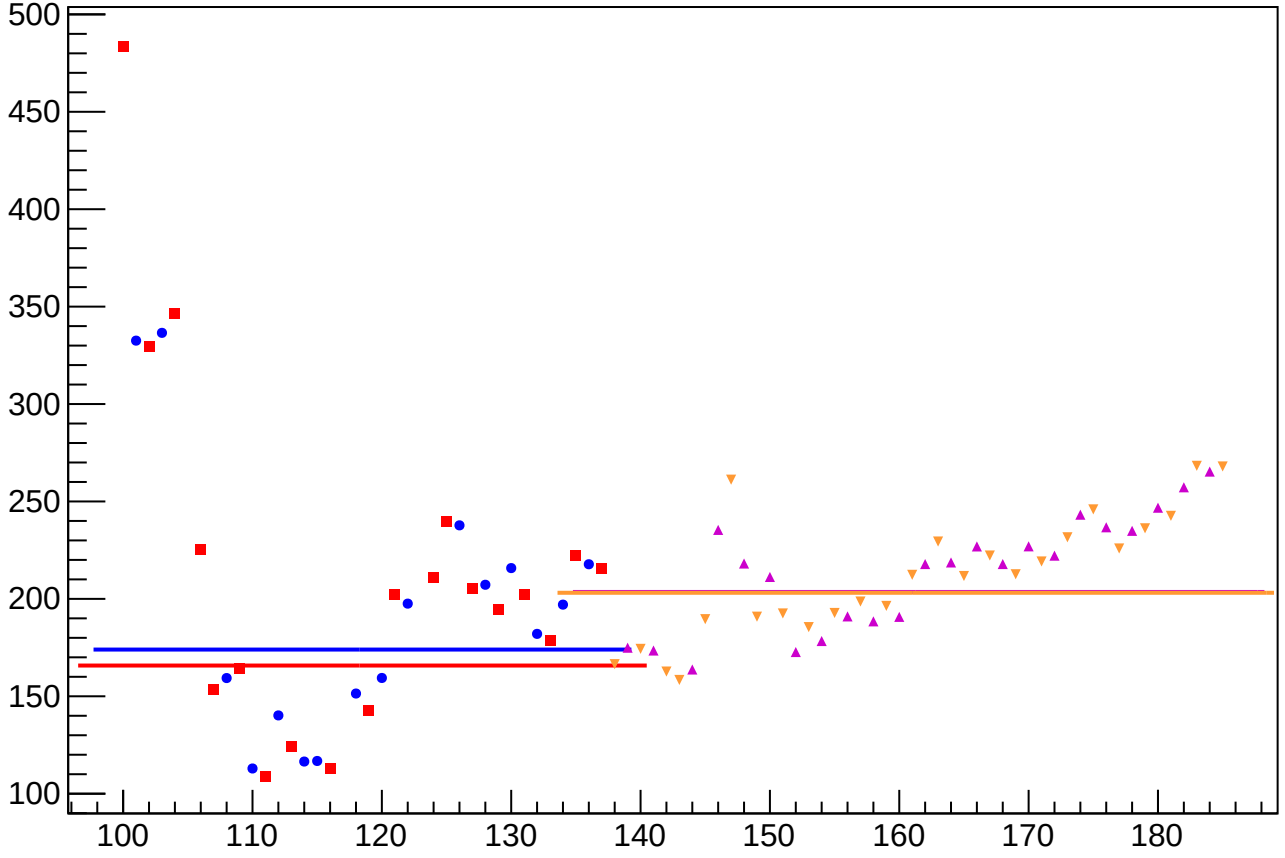
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131835.322+/-0.039 χ^2/NDF: 13978081415.

All: 132027.347+/-0.028 χ^2/NDF: 29390726

- 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: 203.129+/-0.033 χ^2/NDF:758448.5/24

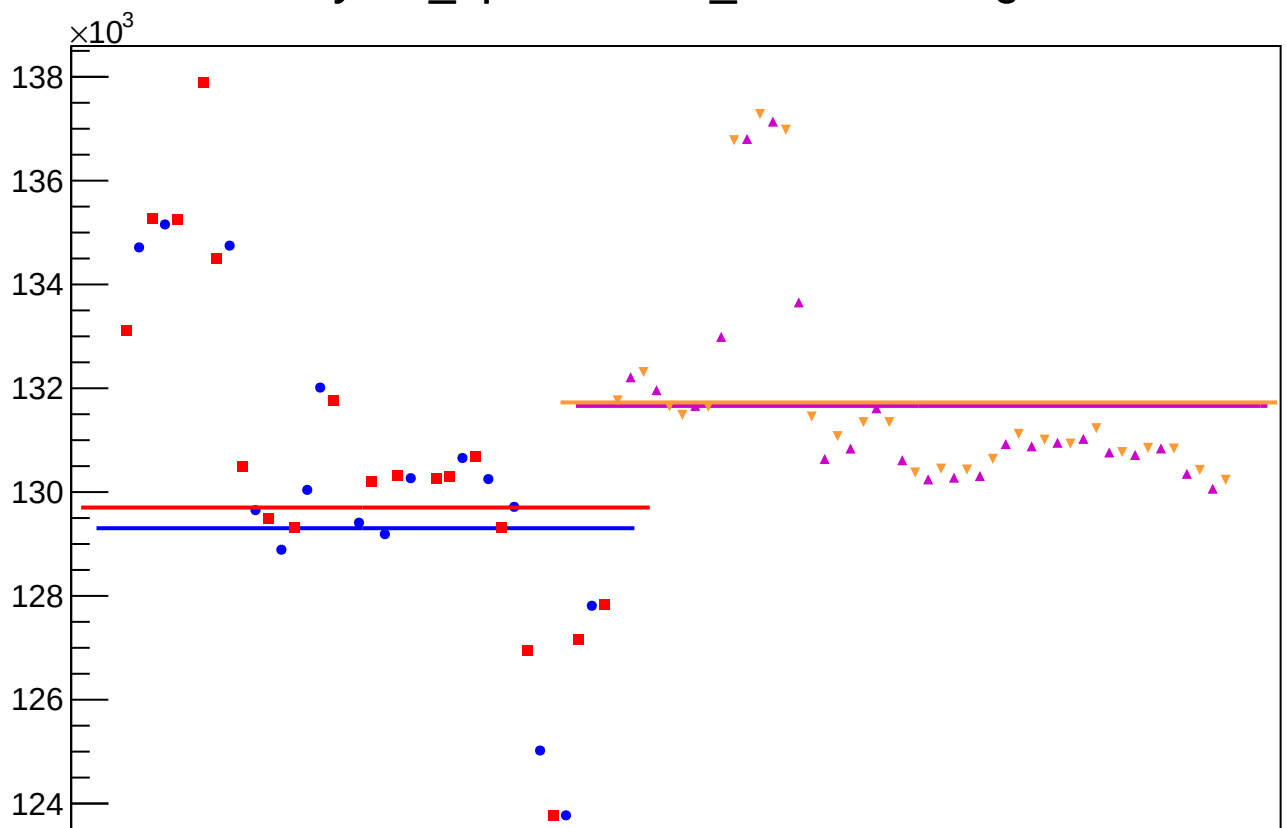
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 194.024+/-0.028 χ^2/NDF: 2187247.7/40

All: 192.127+/-0.019 χ^2/NDF: 4724711.2/82

- 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: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

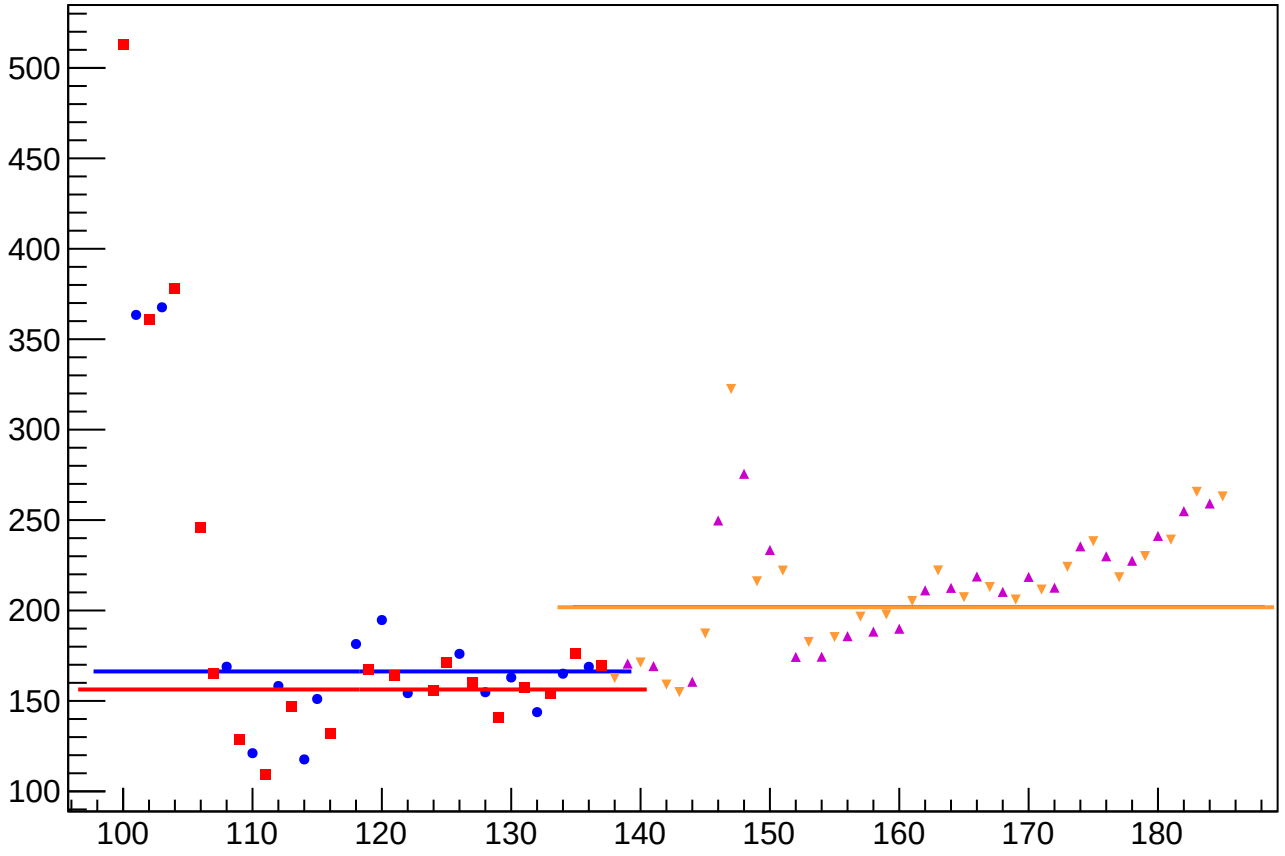
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 130918.570+/-0.038 χ^2/NDF: 3968060338.4

All: 130917.556+/-0.027 χ^2/NDF: 75377313

- 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: 201.798+/-0.033 χ^2/NDF:905352.1/24

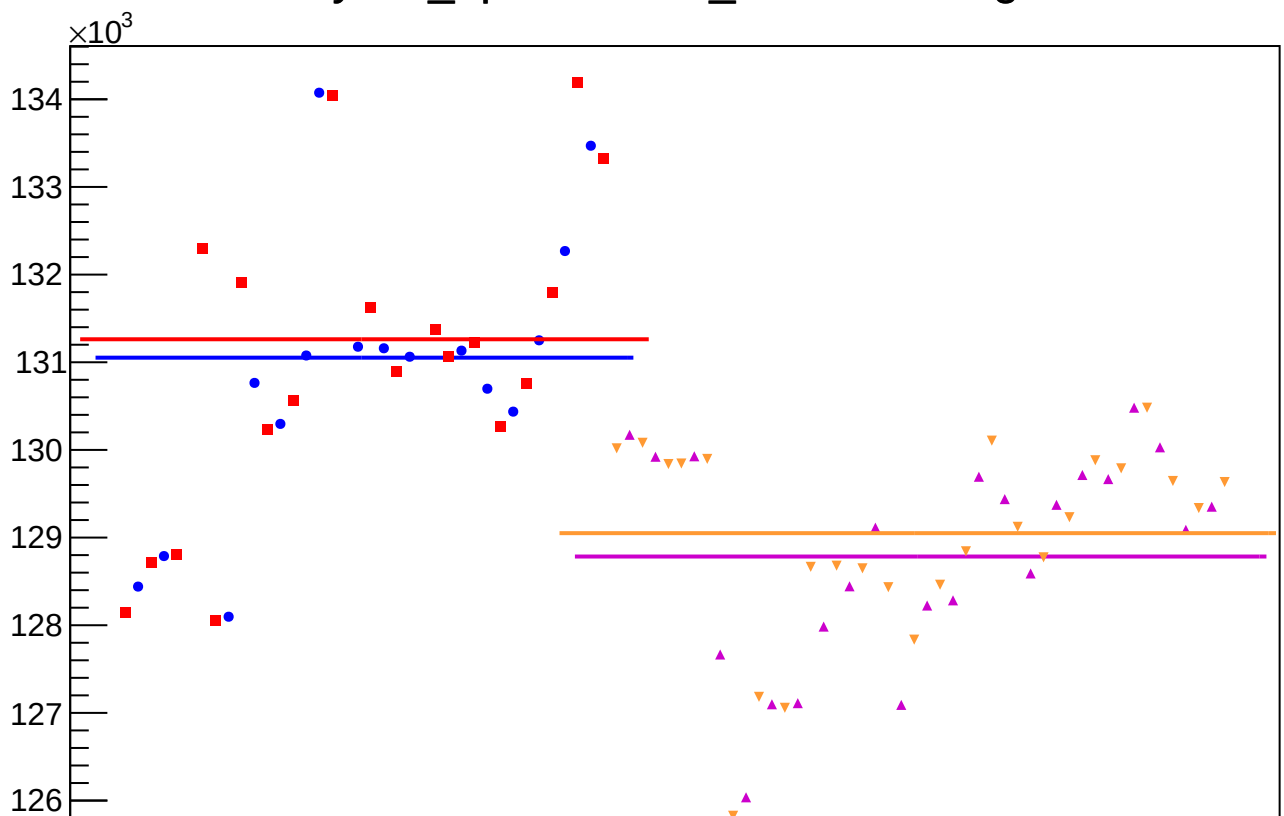
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 189.955+/-0.027 χ^2/NDF: 2226430.7/40

All: 187.264+/-0.019 χ^2/NDF: 4902809.3/82

- 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: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

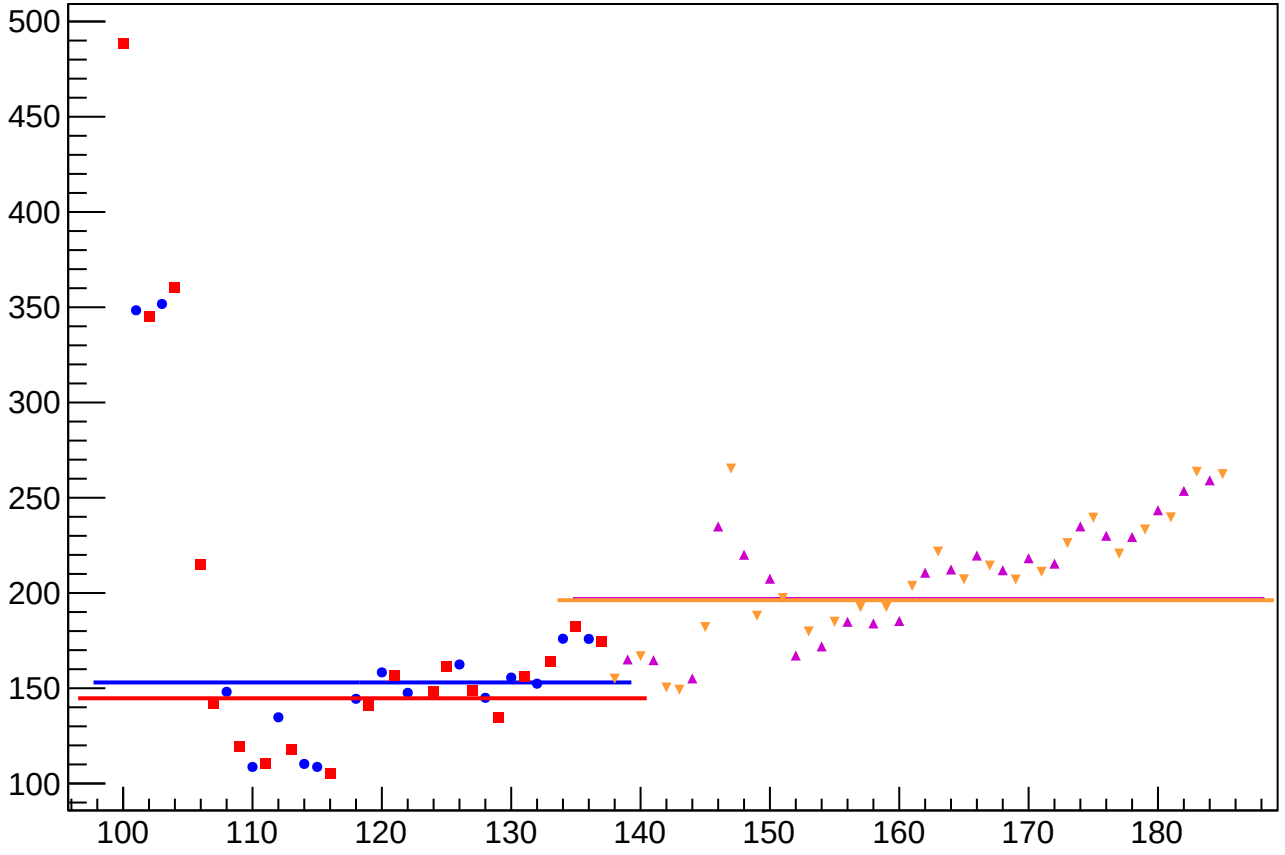
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129771.389+/-0.036 χ^2/NDF: 1752010004.4

All: 129781.444+/-0.026 χ^2/NDF: 41474584

- 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: 196.203+/-0.032 χ^2/NDF:922826.1/24

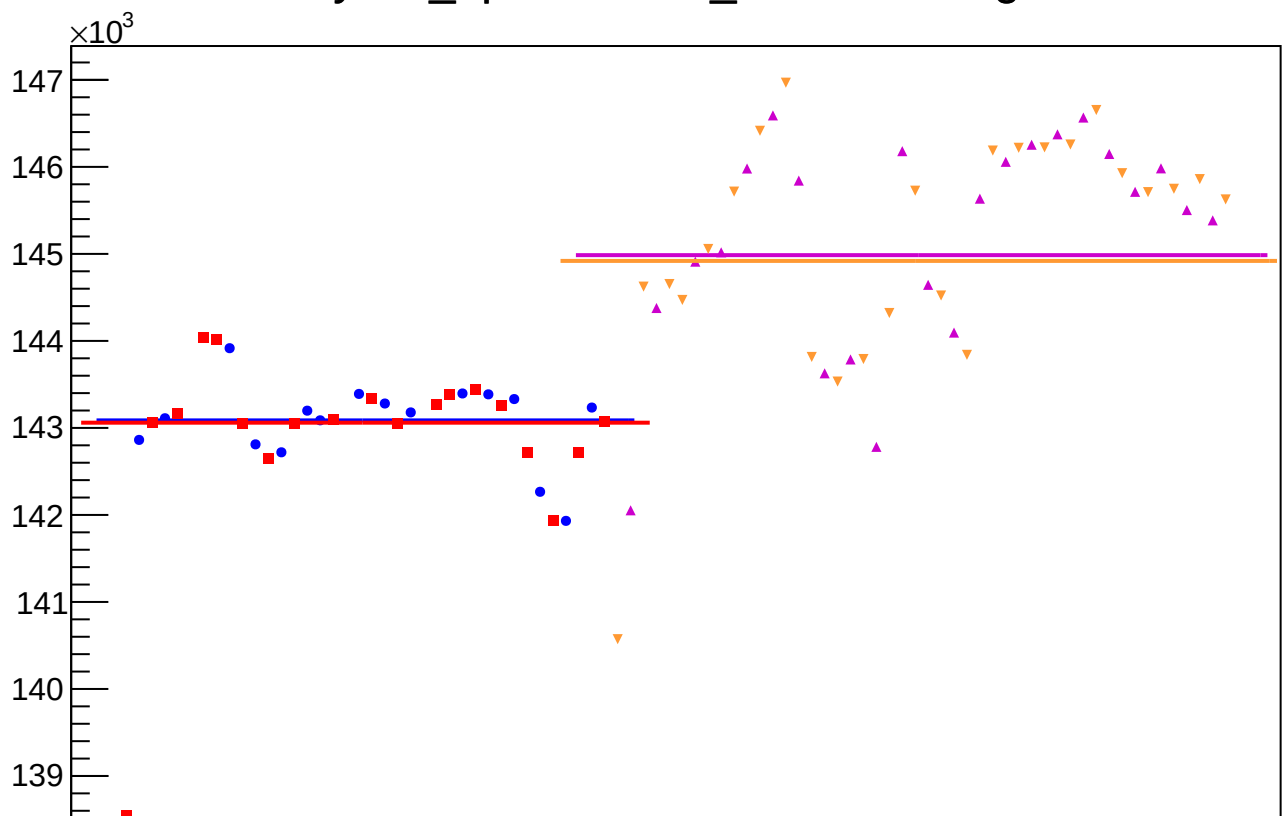
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 180.660+/-0.026 χ^2/NDF: 2630603.2/40

All: 178.140+/-0.018 χ^2/NDF: 5689937.0/82

- 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: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

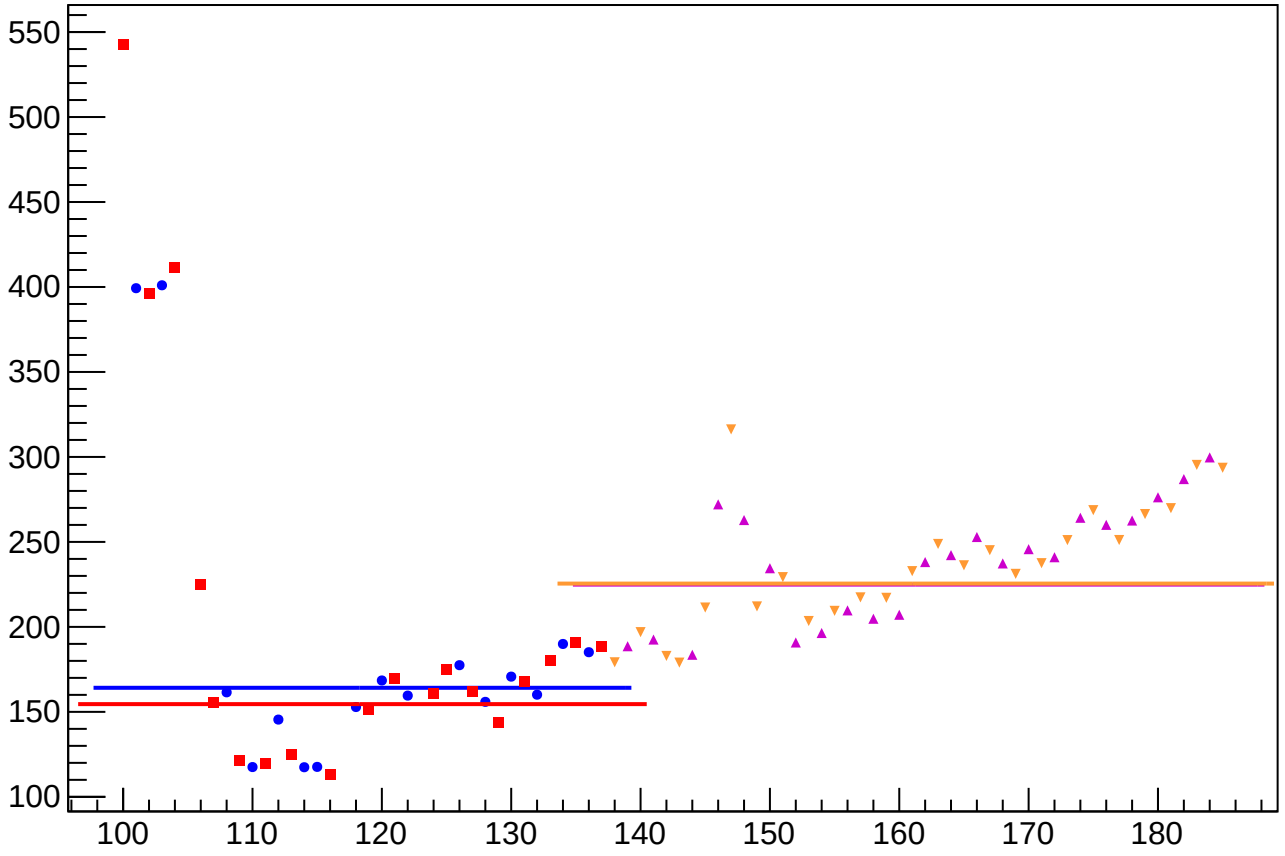
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144201.418+/-0.041 χ^2/NDF: 1364680843.8/

All: 144171.188+/-0.029 χ^2/NDF: 26022547

- 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: 225.478+/-0.037 χ^2/NDF:775365.4/24

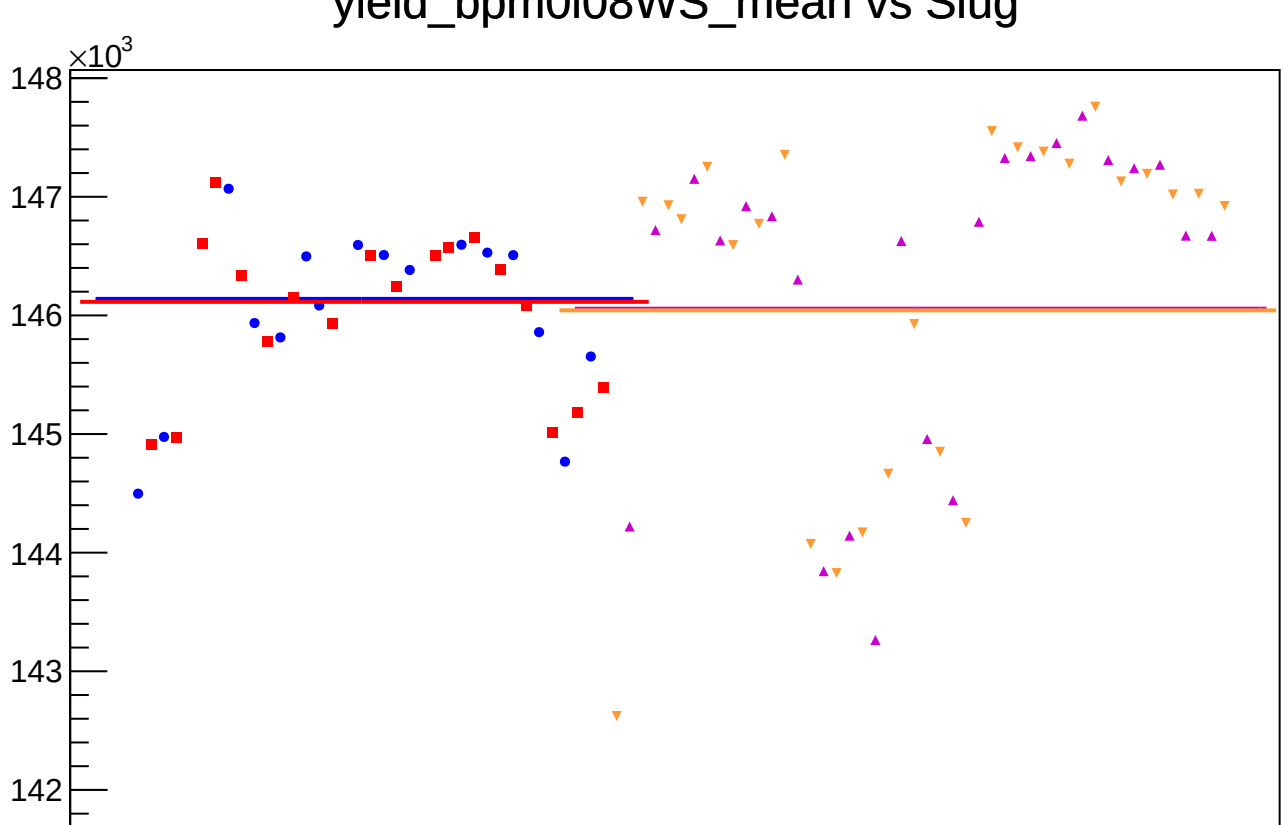
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 201.460+/-0.029 χ^2/NDF: 2984742.2/40

All: 197.704+/-0.020 χ^2/NDF: 6618561.3/82

- 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: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

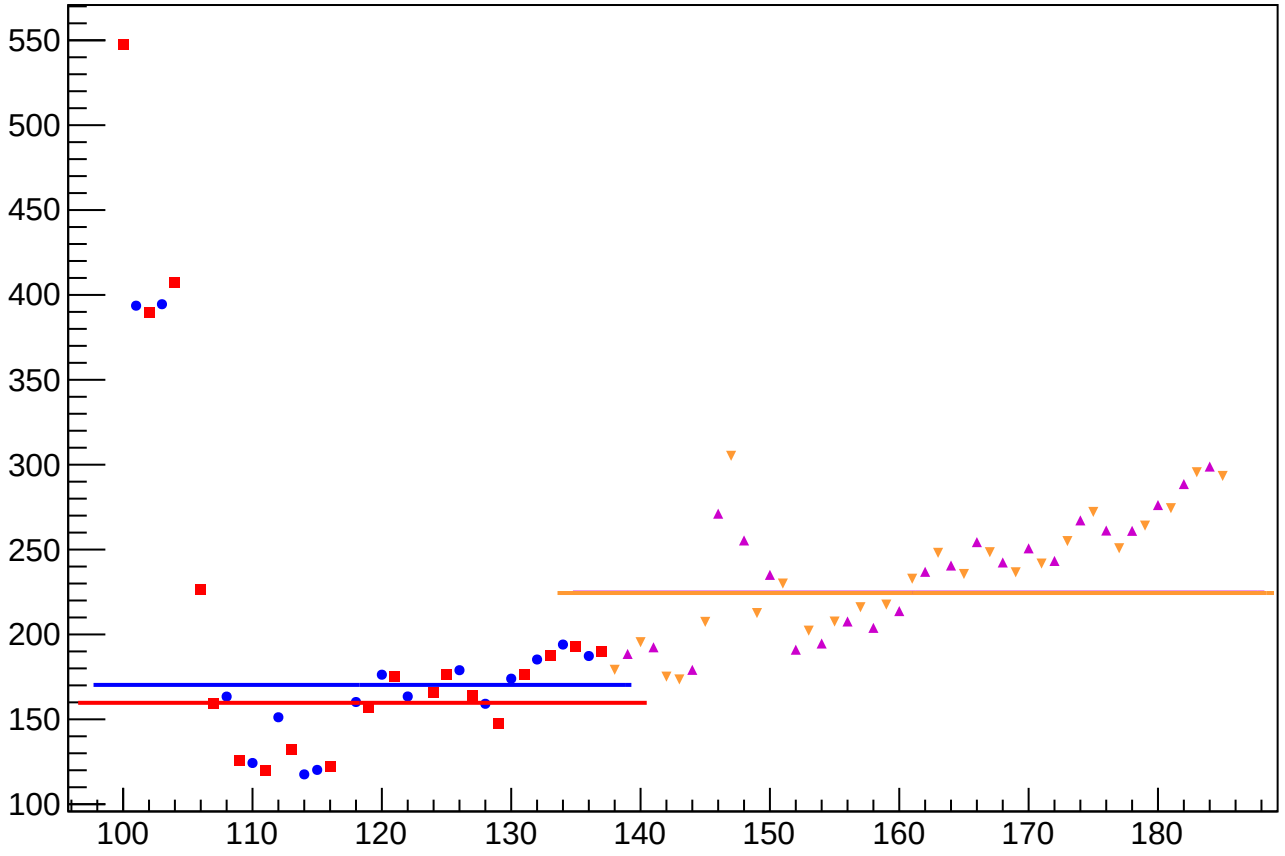
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146078.695+/-0.041 χ^2/NDF: 955714630.9/4

All: 146079.942+/-0.029 χ^2/NDF: 17280544

- 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: 224.409+/-0.037 χ^2/NDF:849100.4/24

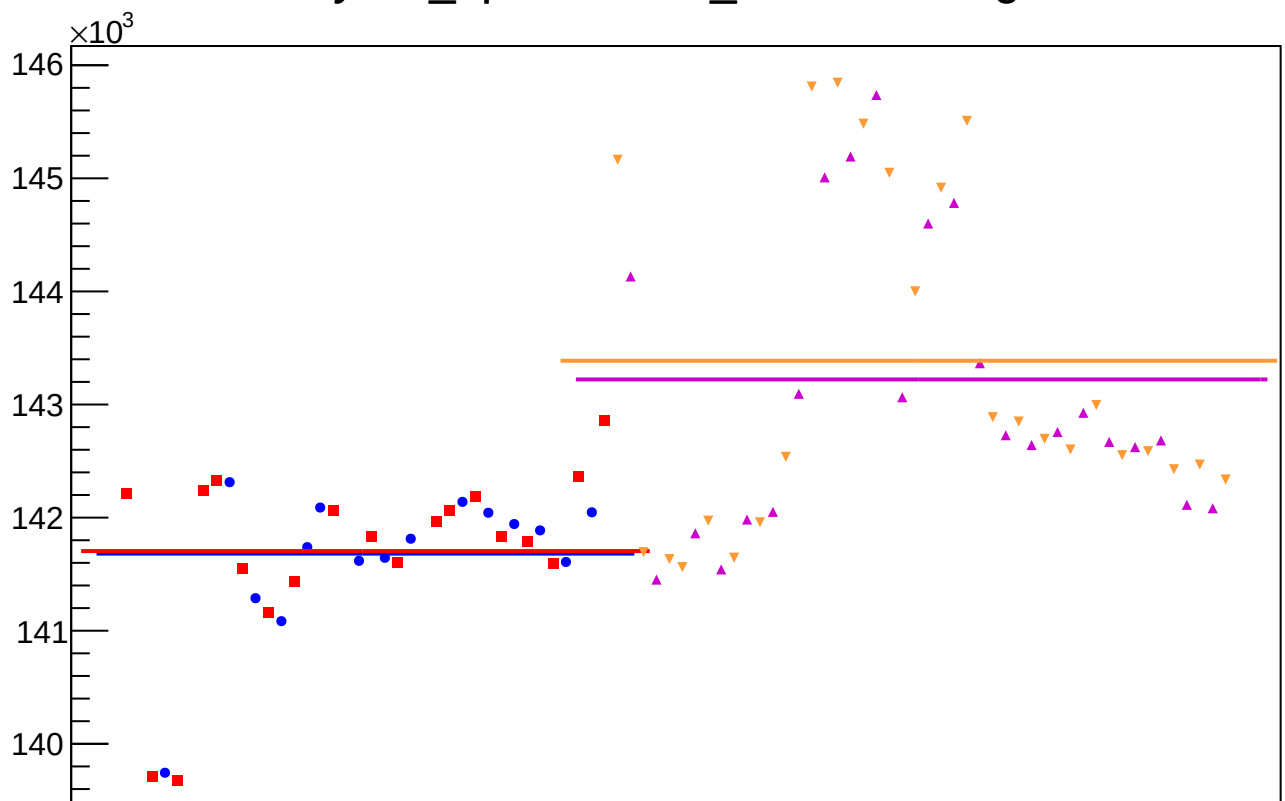
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 204.204+/-0.029 χ^2/NDF: 2715412.6/40

All: 200.633+/-0.020 χ^2/NDF: 6038427.0/82

- 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: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

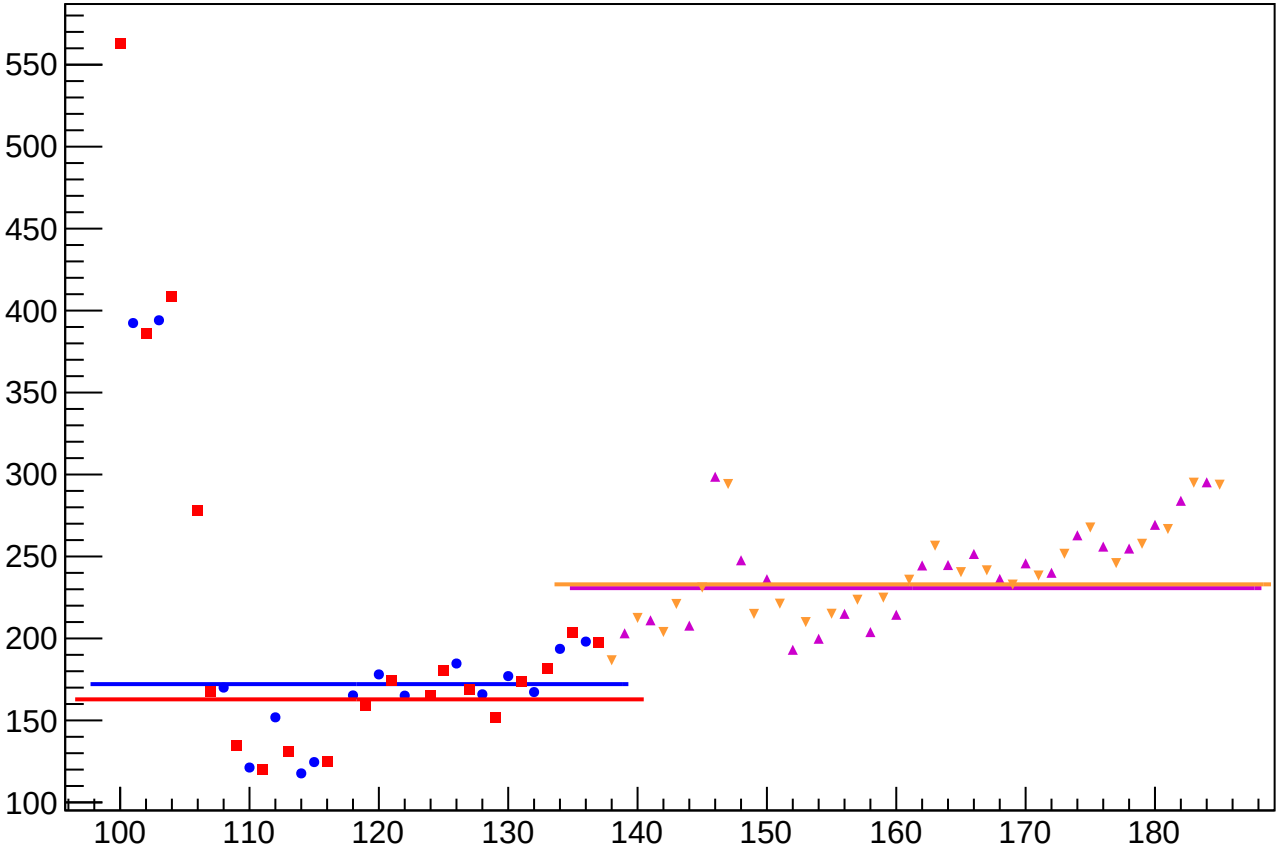
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142735.433+/-0.042 χ^2/NDF: 1233732561.3

All: 142655.060+/-0.030 χ^2/NDF: 21721370

- 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: 233.007+/-0.038 χ^2/NDF:446120.9/24

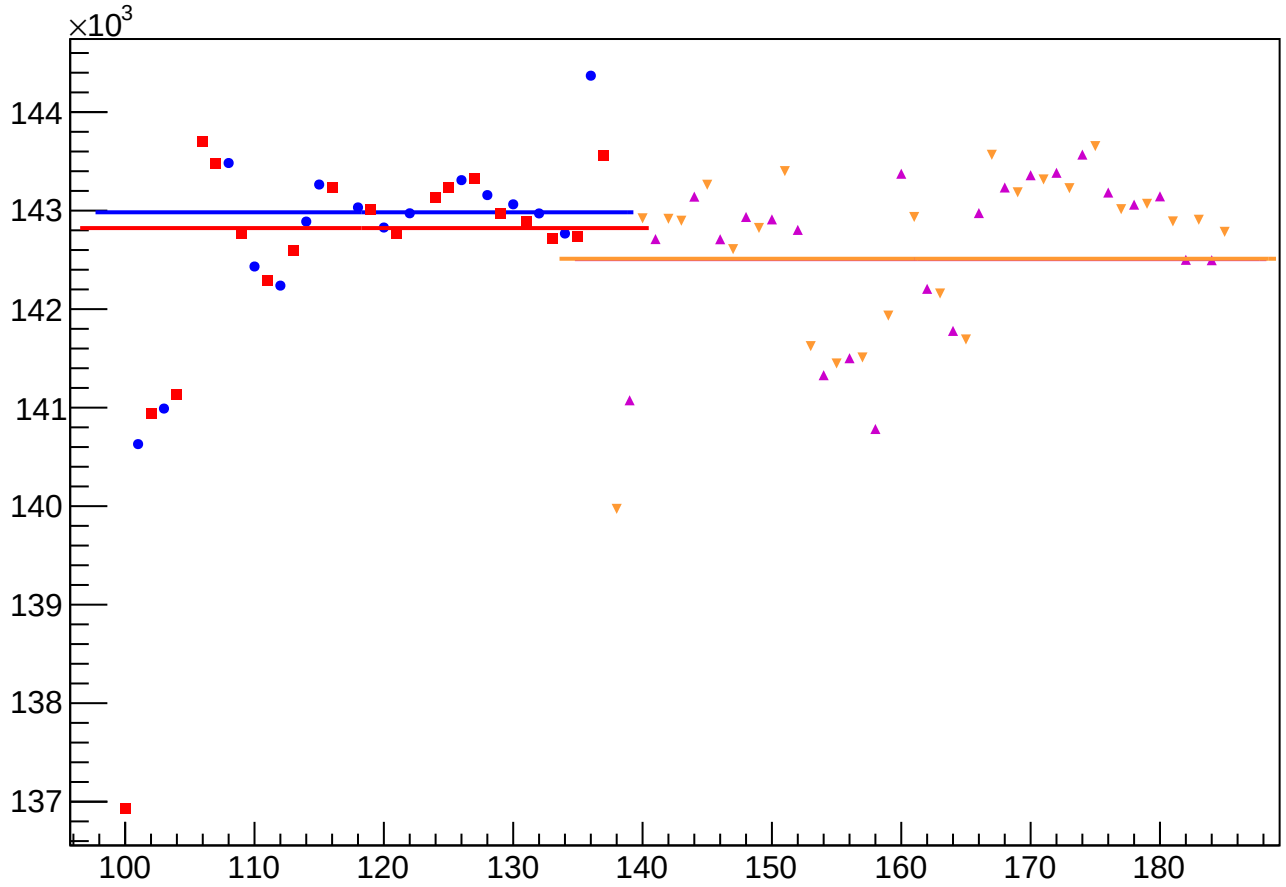
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 209.750+/-0.030 χ^2/NDF: 2497087.1/40

All: 205.750+/-0.021 χ^2/NDF: 5651514.6/82

- 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: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

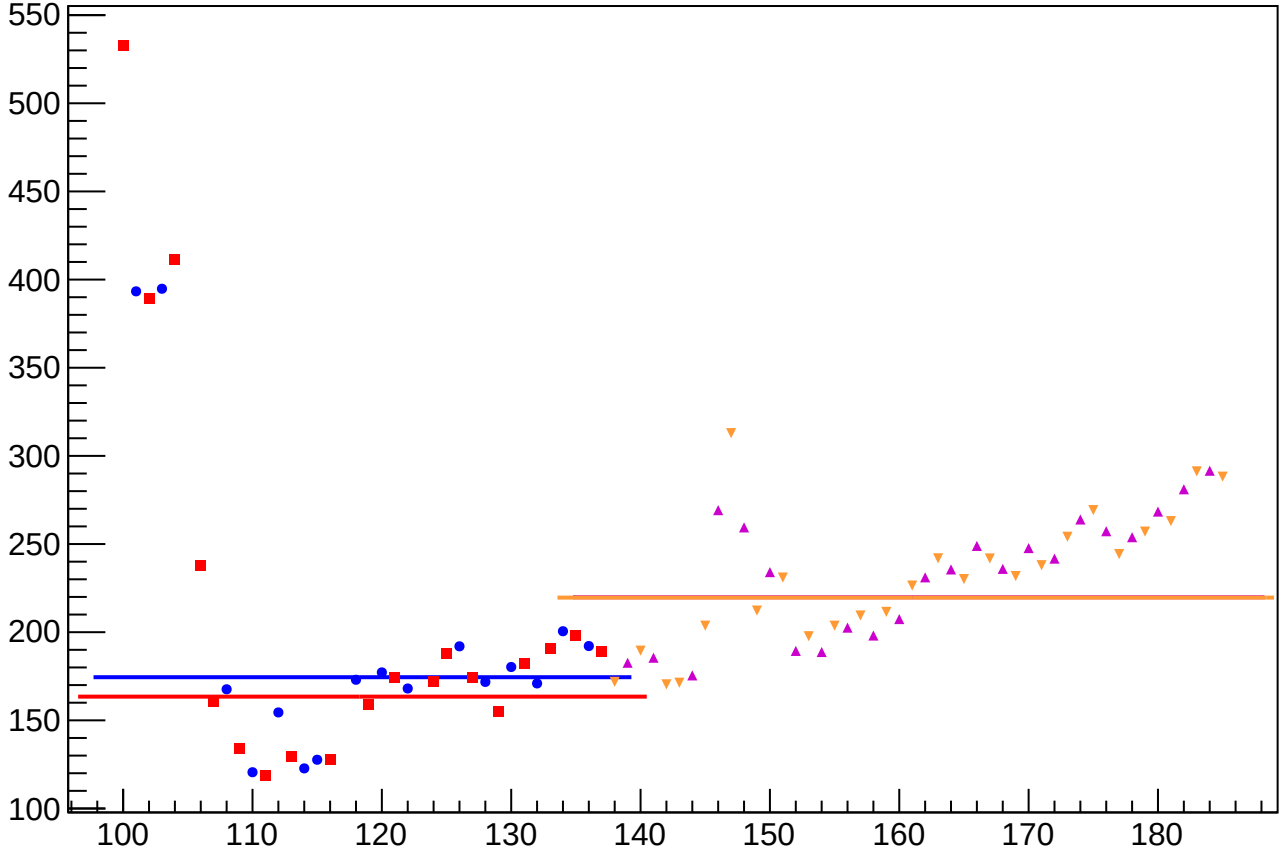
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142677.239+/-0.041 χ^2/NDF: 475975958.2/4

All: 142655.377+/-0.029 χ^2/NDF: 8239014

- 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: 219.618+/-0.036 χ^2/NDF:902026.4/24

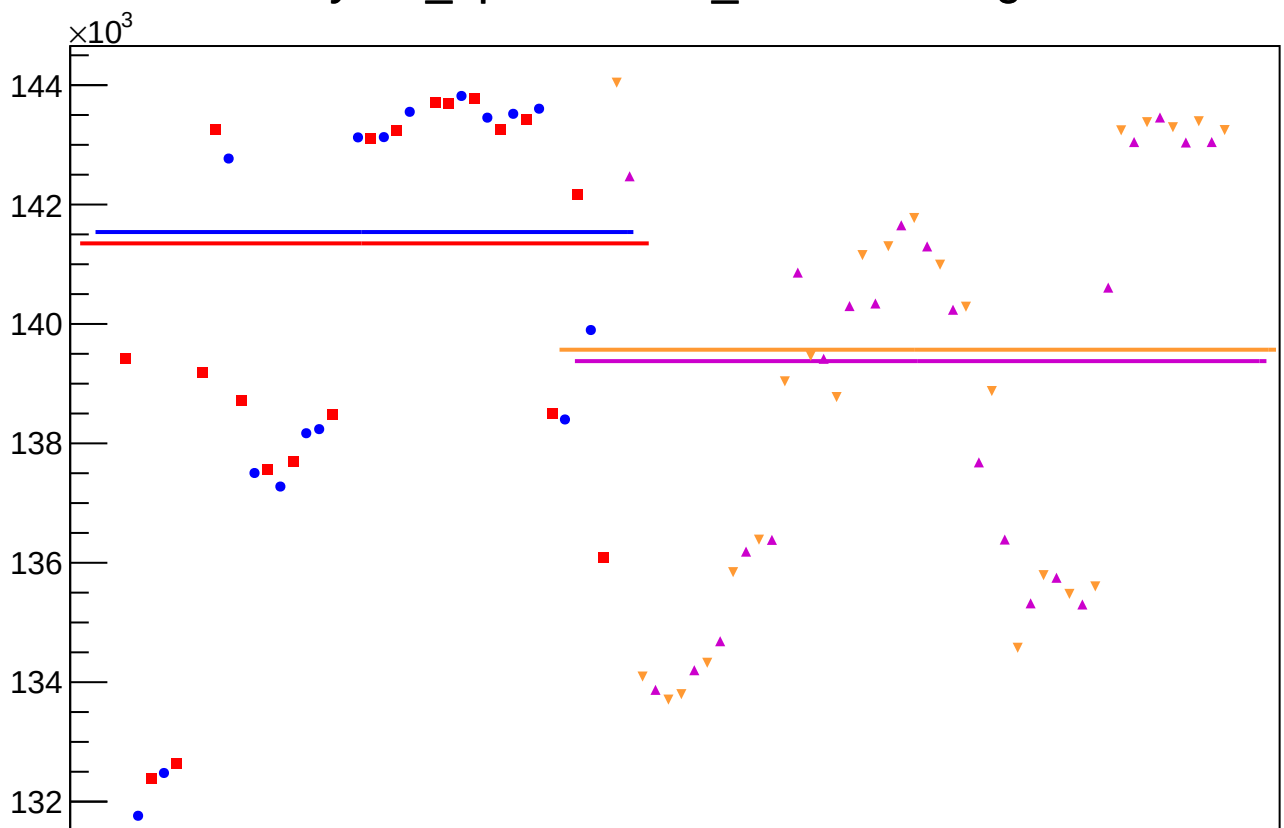
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 203.740+/-0.029 χ^2/NDF: 2504591.5/40

All: 200.438+/-0.020 χ^2/NDF: 5546413.6/82

- 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: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

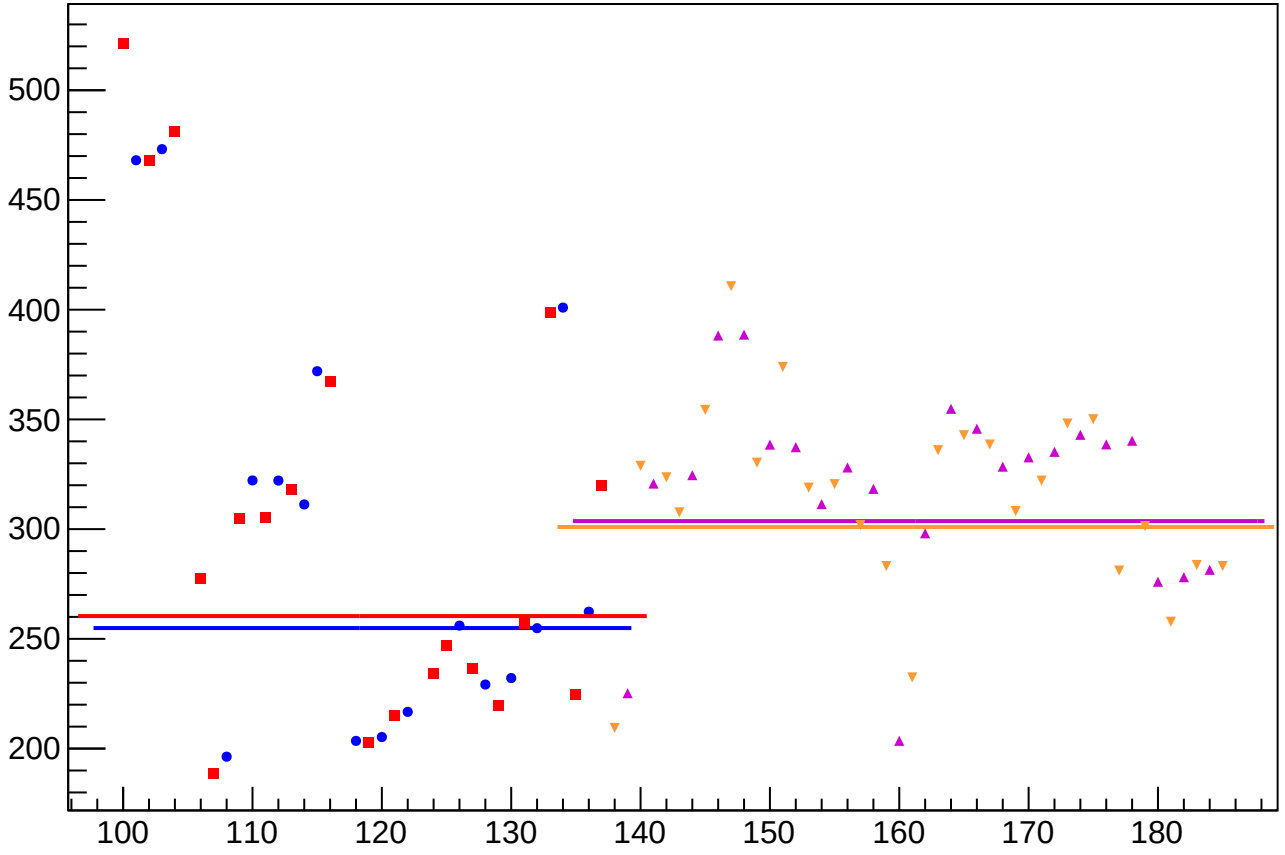
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 140210.153+/-0.058 χ^2/NDF: 3792156777.5

All: 140133.861+/-0.041 χ^2/NDF: 68941927

- 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: 300.964+/-0.050 χ^2/NDF:876889.9/24

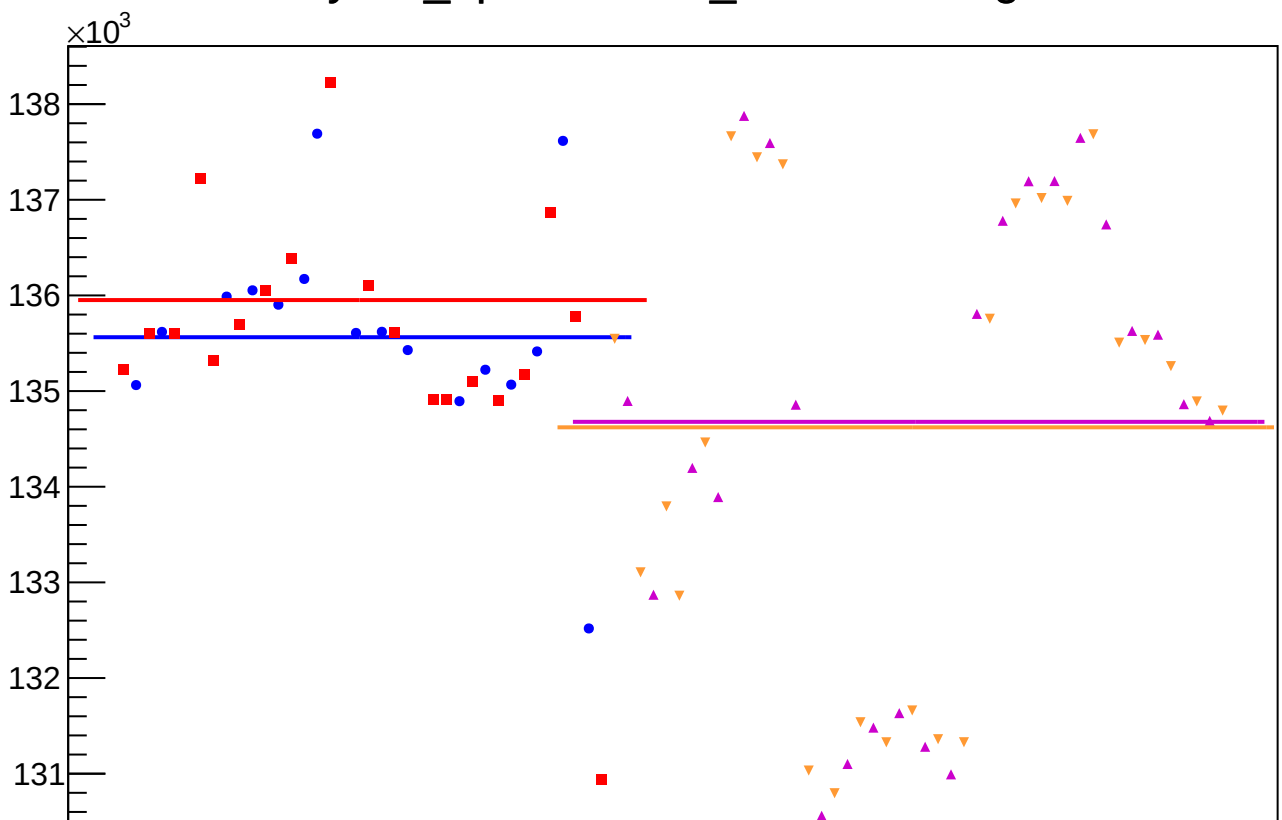
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

\+ sign 285.978+/-0.041 χ^2/NDF: 2108282.2/40

All: 287.363+/-0.029 χ^2/NDF: 4321499.8/82

\- 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: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

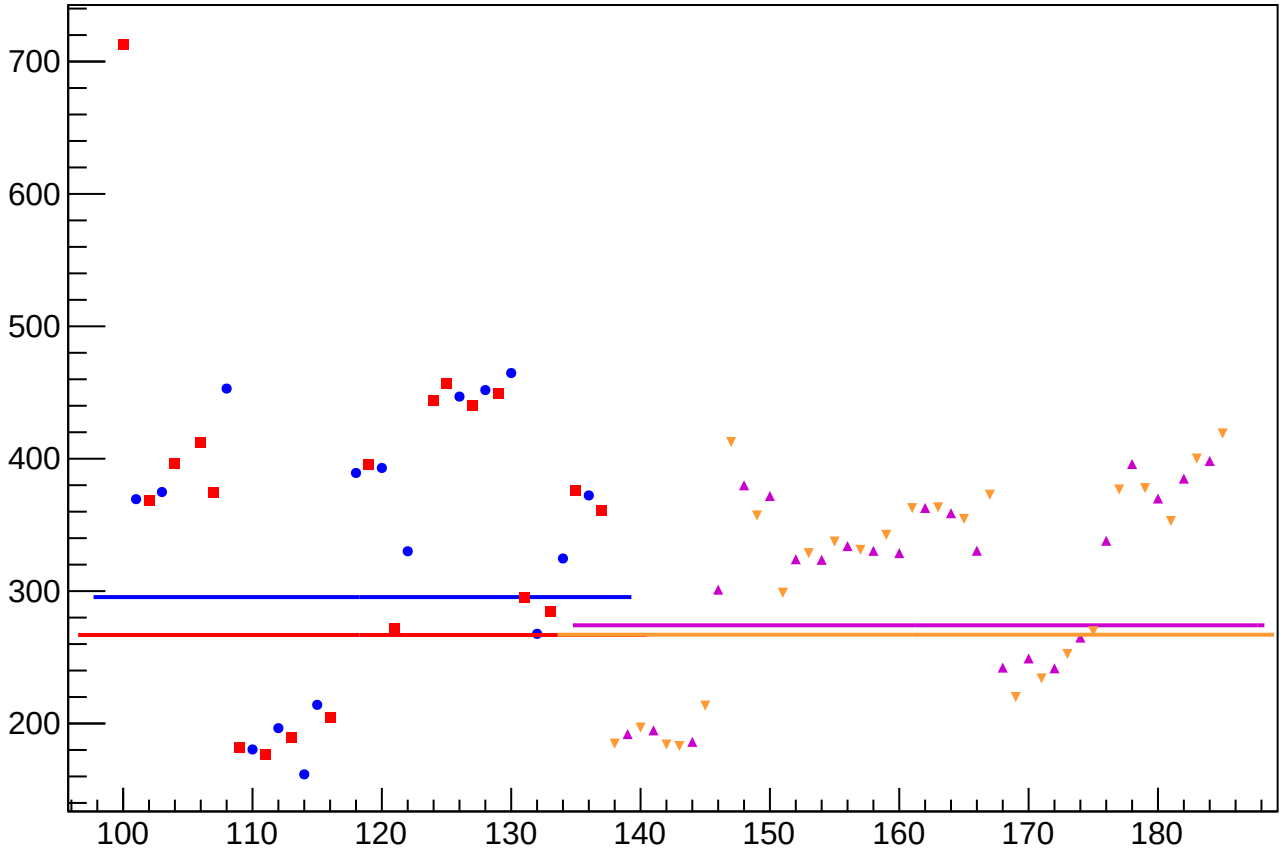
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134832.774+/-0.056 χ^2/NDF: 1344776842.6

All: 134935.135+/-0.040 χ^2/NDF: 26420175

- 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: 267.053+/-0.045 χ^2/NDF:2843307.1/24

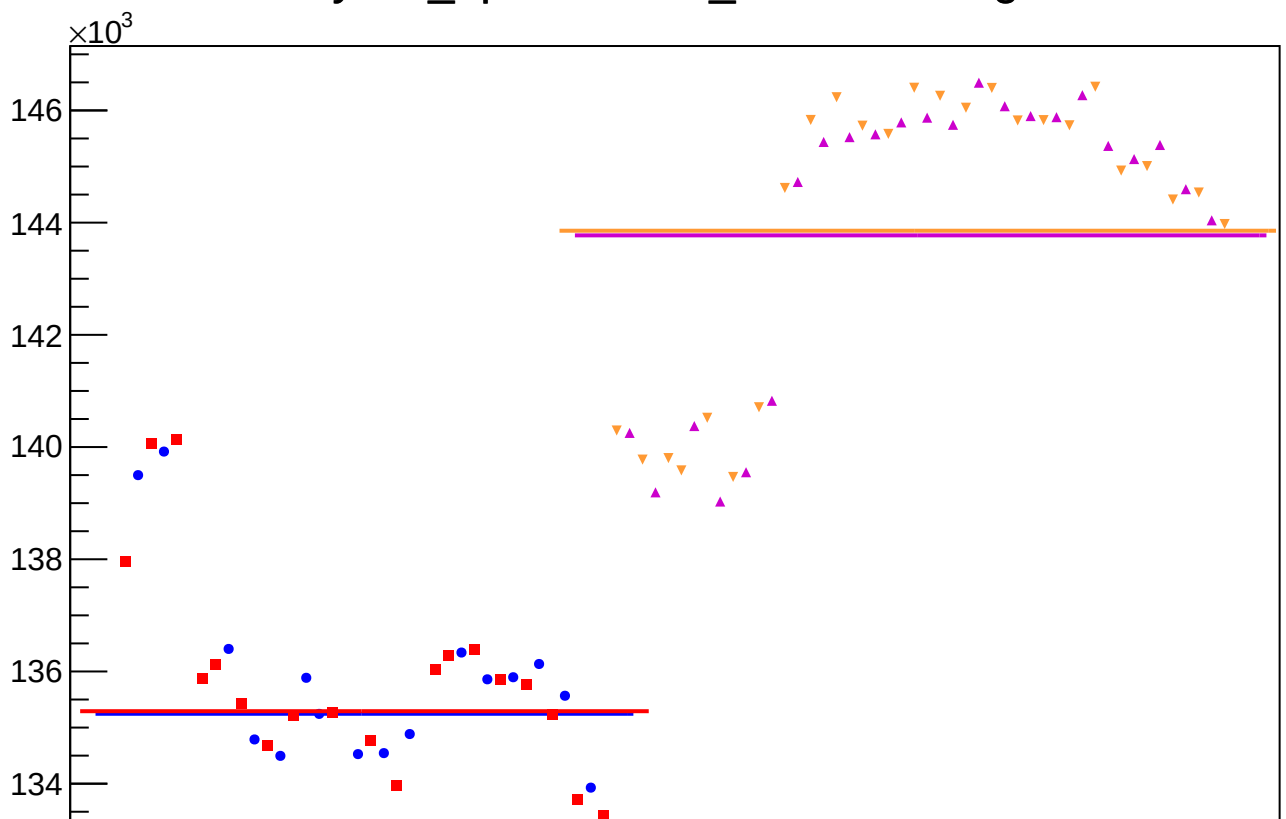
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 273.444+/-0.040 χ^2/NDF: 4375286.8/40

All: 272.780+/-0.028 χ^2/NDF: 8297456.7/82

- sign 272.104+/-0.040 χ^2/NDF: 3921604.8/41



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

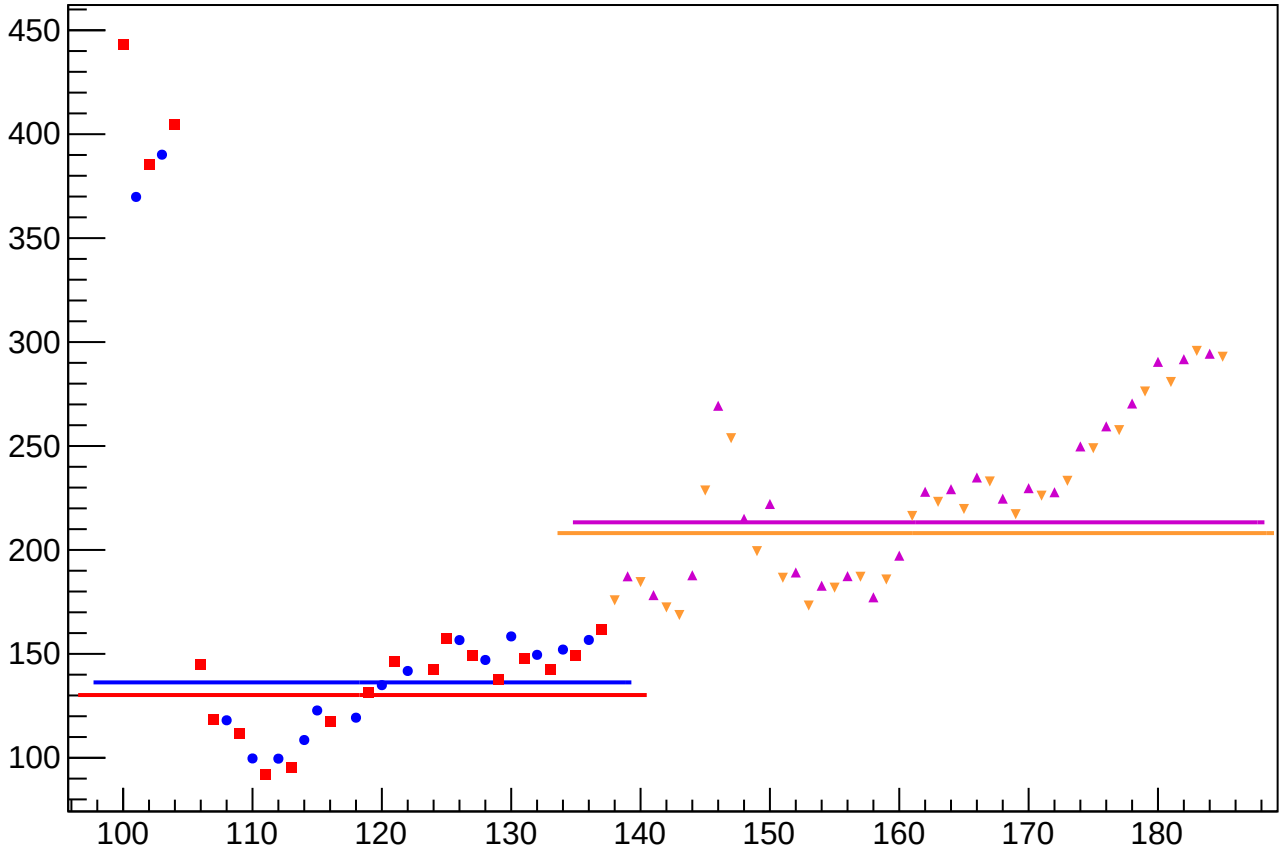
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 140082.673+/-0.036 χ^2/NDF: 17424071521.

All: 139842.293+/-0.026 χ^2/NDF: 34344258

- sign 139600.988+/-0.036 χ^2/NDF: 16831956960.2

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

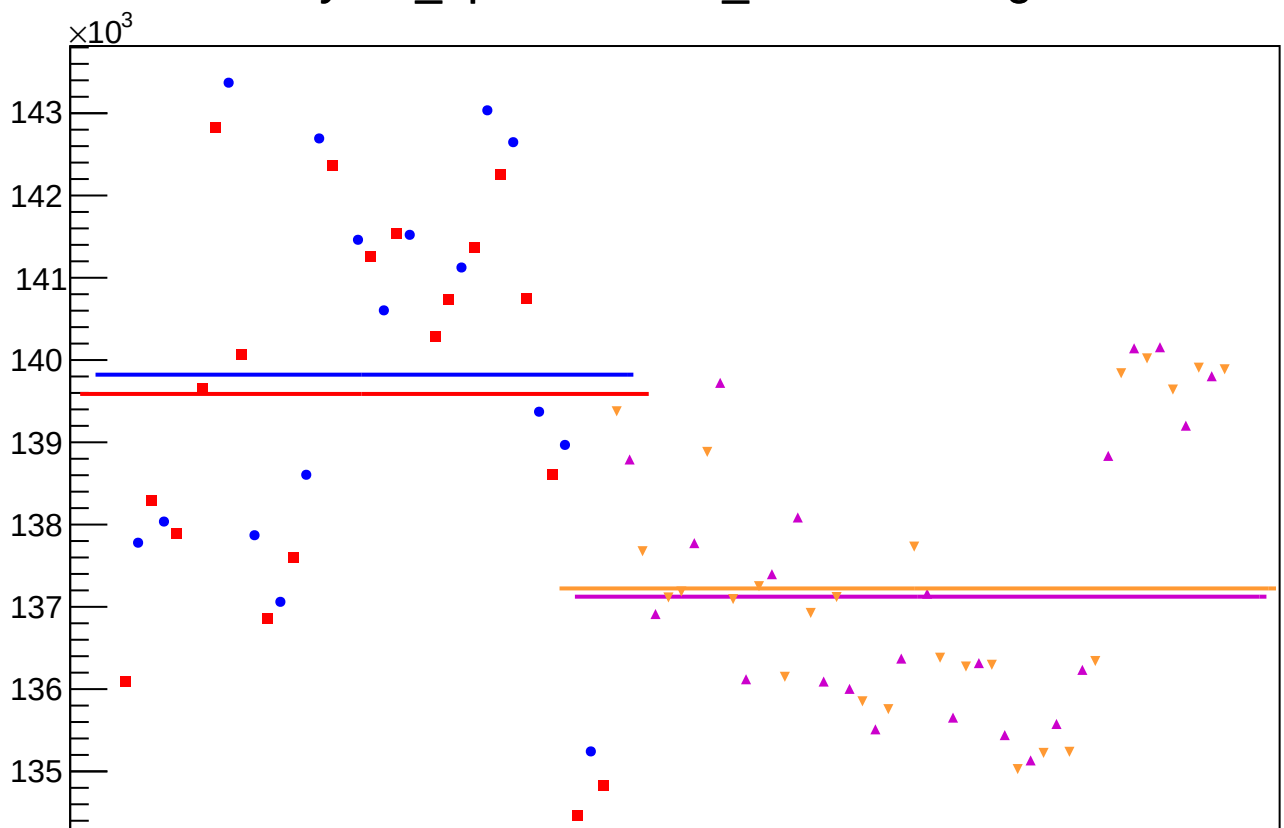
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 176.627+/-0.026 χ^2/NDF: 4312071.4/40

All: 174.526+/-0.018 χ^2/NDF: 9331015.6/82

- 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: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

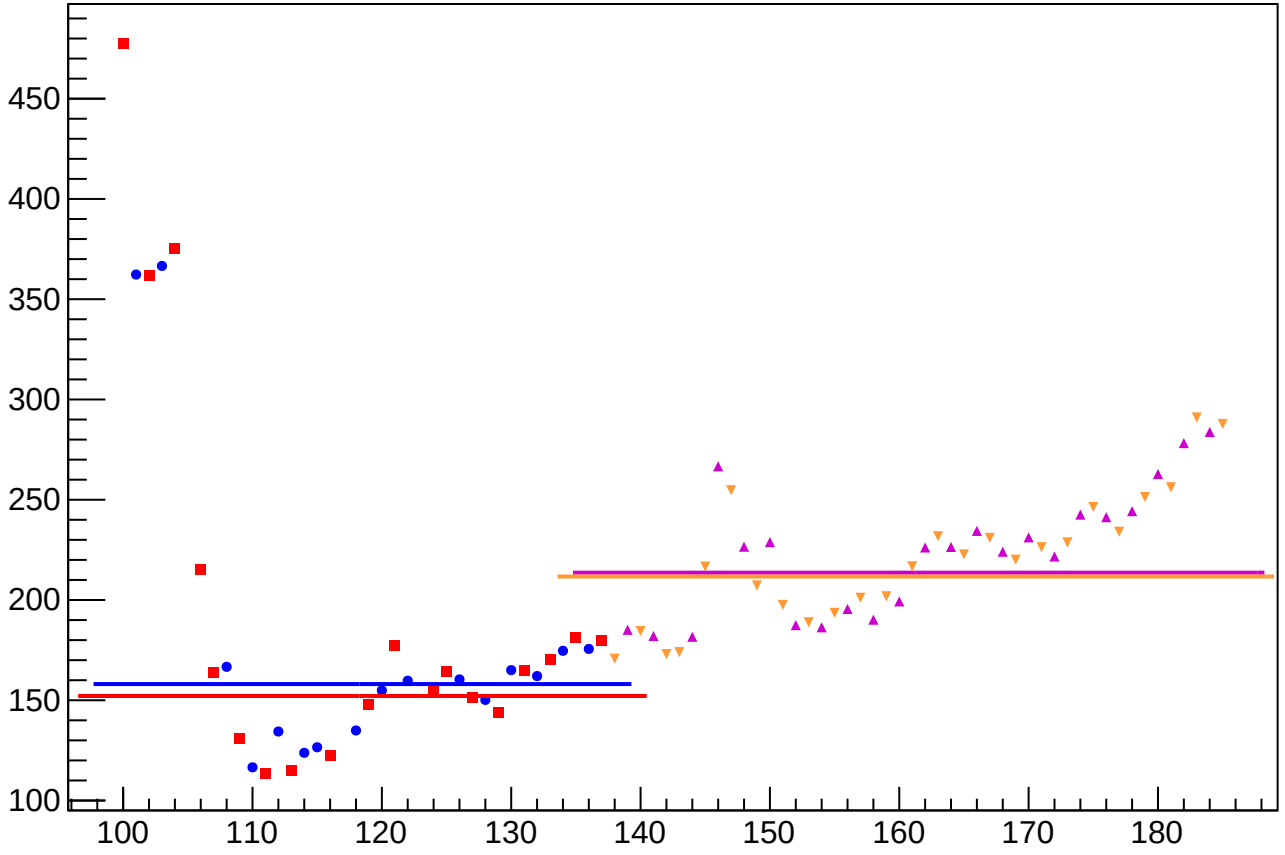
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138212.197+/-0.039 χ^2/NDF: 3625745836.0

All: 138186.445+/-0.027 χ^2/NDF: 69562619

- 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: 211.714+/-0.035 χ^2/NDF:675587.4/24

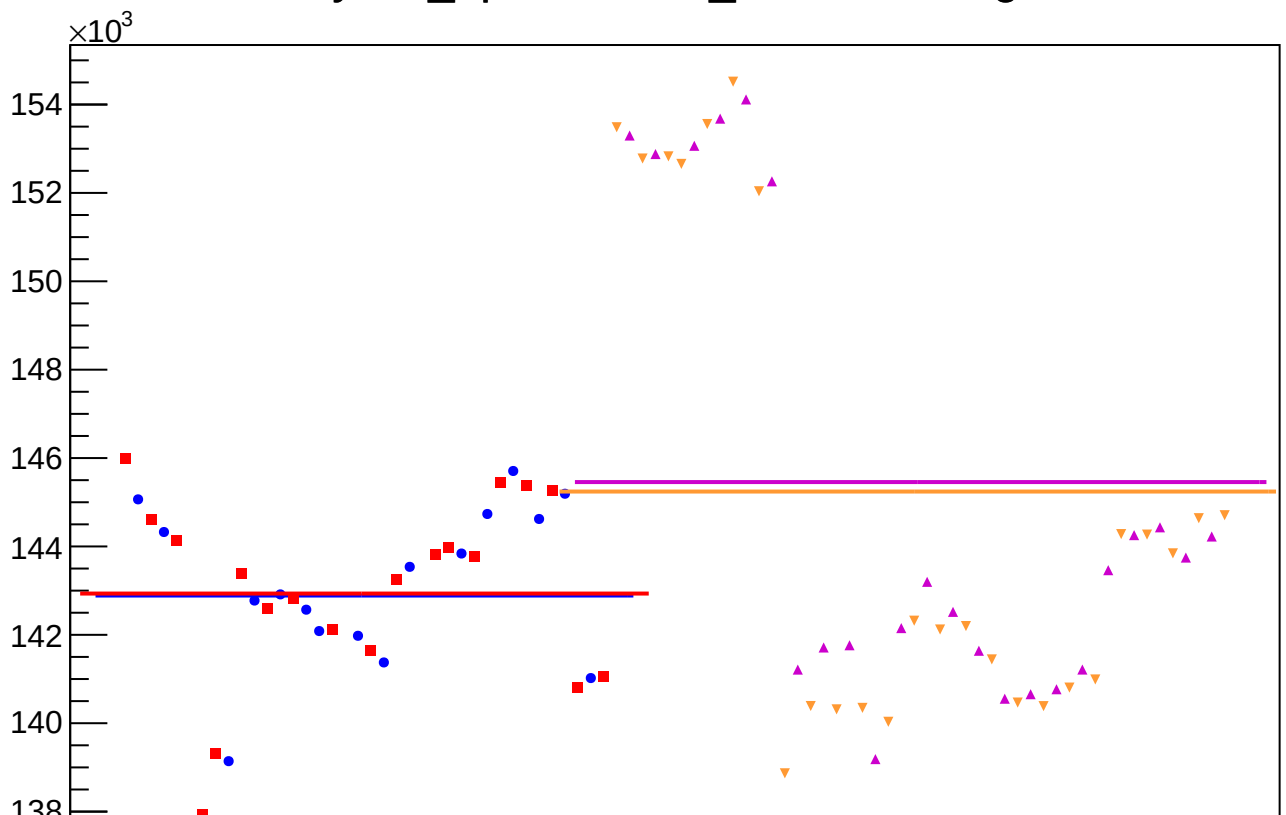
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

\+ sign 191.309+/-0.027 χ^2/NDF: 2603371.1/40

All: 189.542+/-0.019 χ^2/NDF: 5690493.9/82

\- sign 187.762+/-0.027 χ^2/NDF: 3078707.6/41



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

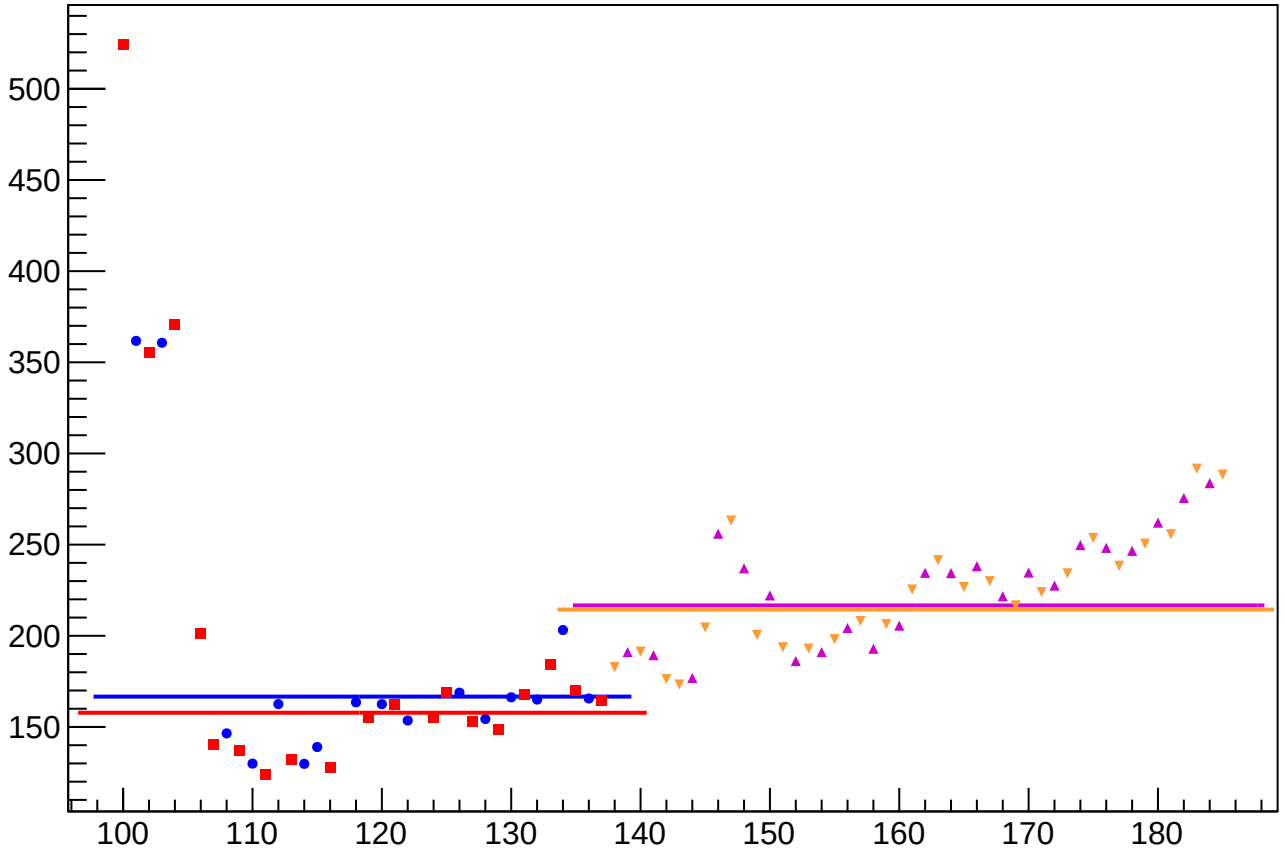
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 144387.420+/-0.040 χ^2/NDF: 14613270141.

All: 144401.567+/-0.028 χ^2/NDF: 27461188

- sign 144415.669+/-0.040 χ^2/NDF: 12847593803.8

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

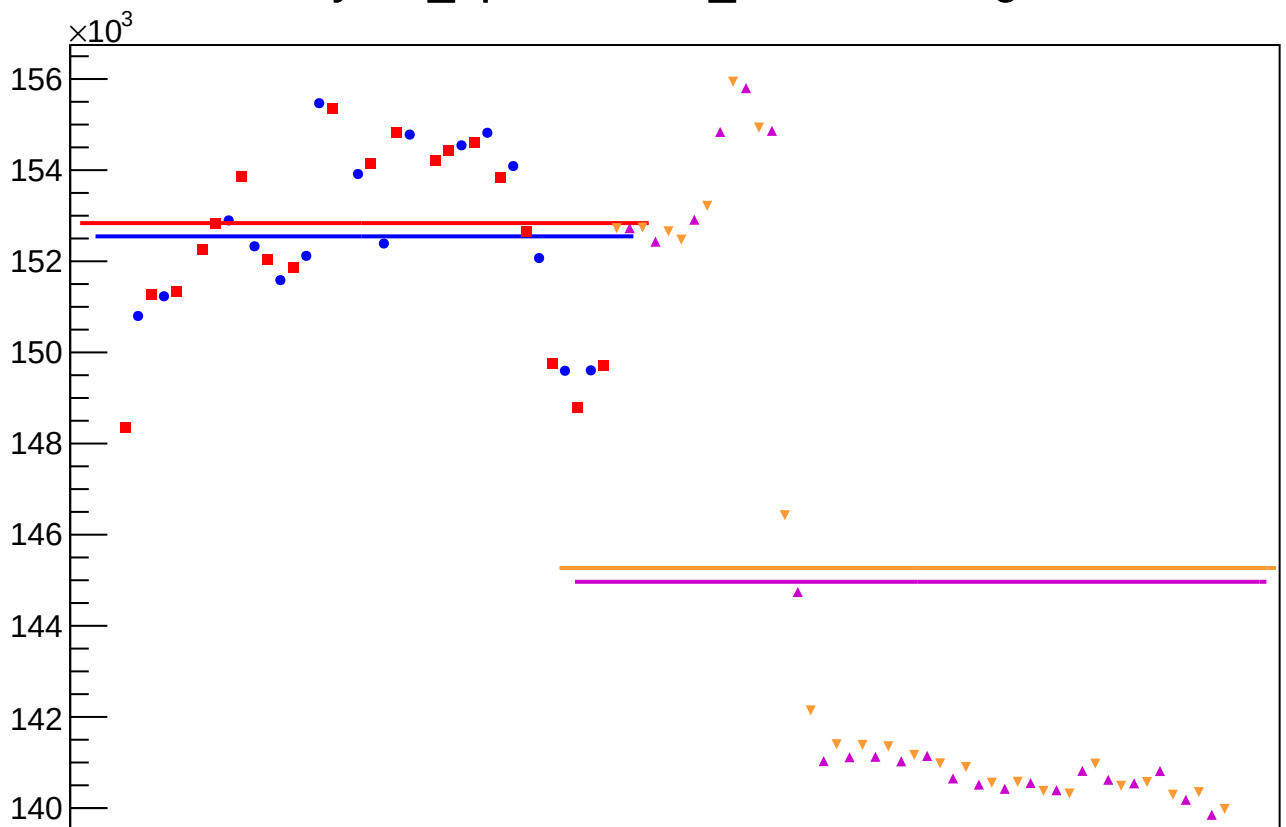
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 197.047+/-0.028 χ^2/NDF: 2179440.9/40

All: 194.706+/-0.020 χ^2/NDF: 4877100.1/82

- 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: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

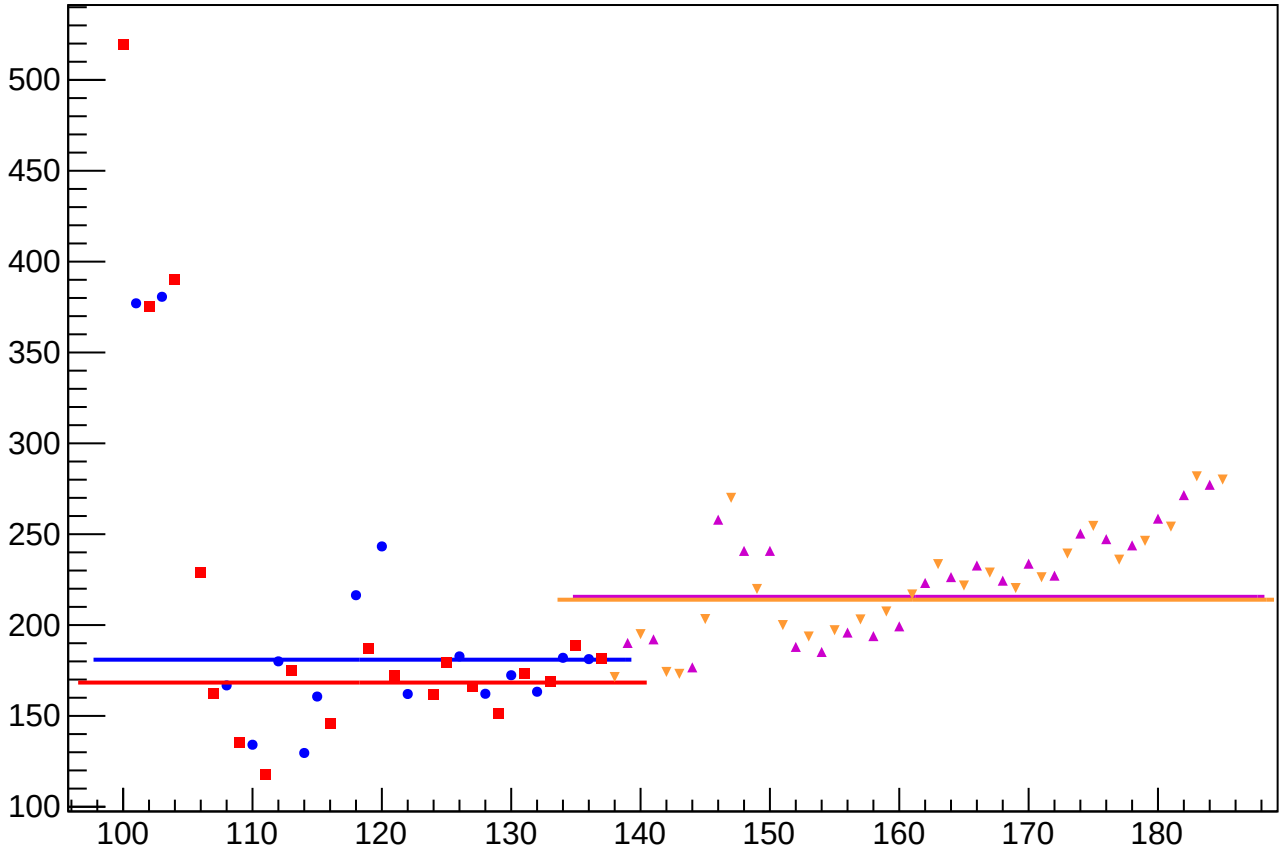
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147571.387+/-0.041 χ^2/NDF: 21227327952.4

All: 147730.282+/-0.029 χ^2/NDF: 43918399

- 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: 213.951+/-0.035 χ^2/NDF:650607.8/24

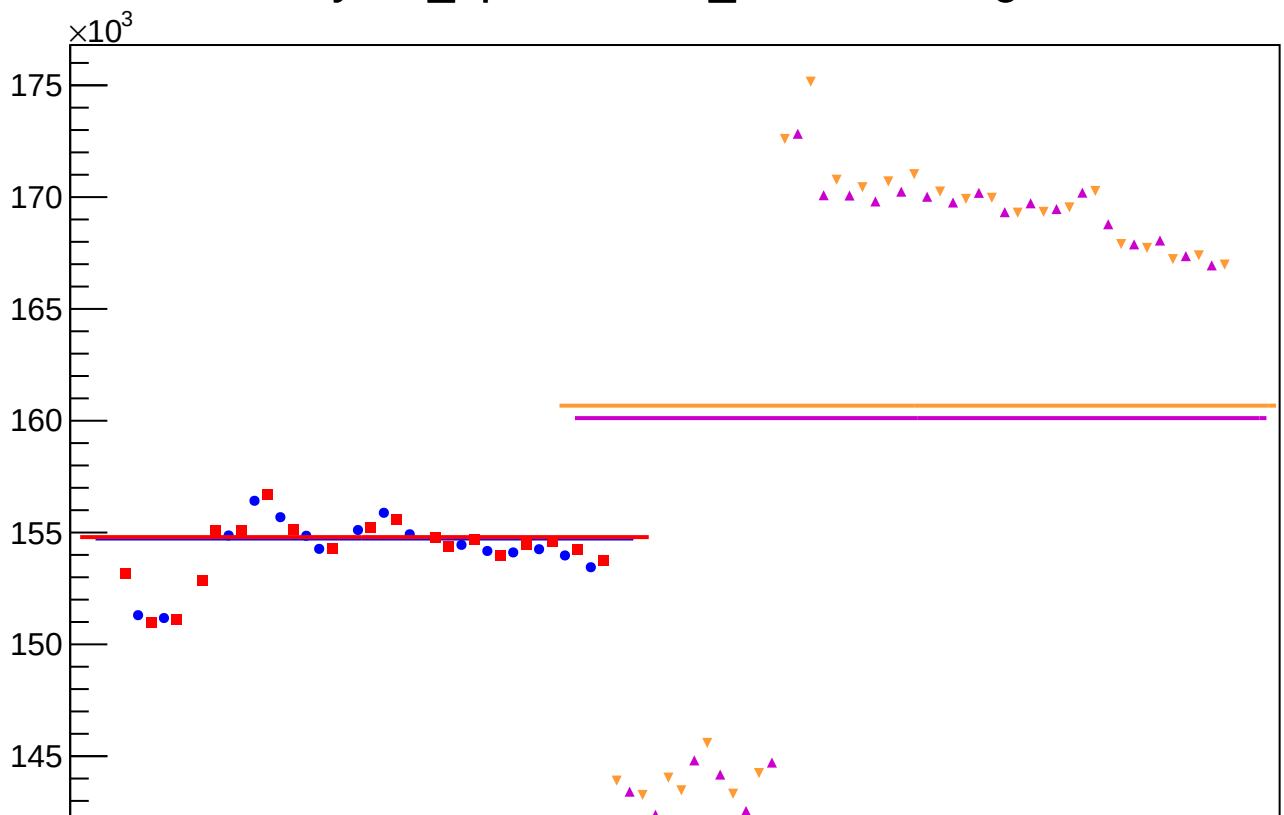
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.510+/-0.029 χ^2/NDF: 1840996.0/40

All: 200.753+/-0.020 χ^2/NDF: 4179138.8/82

- 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: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

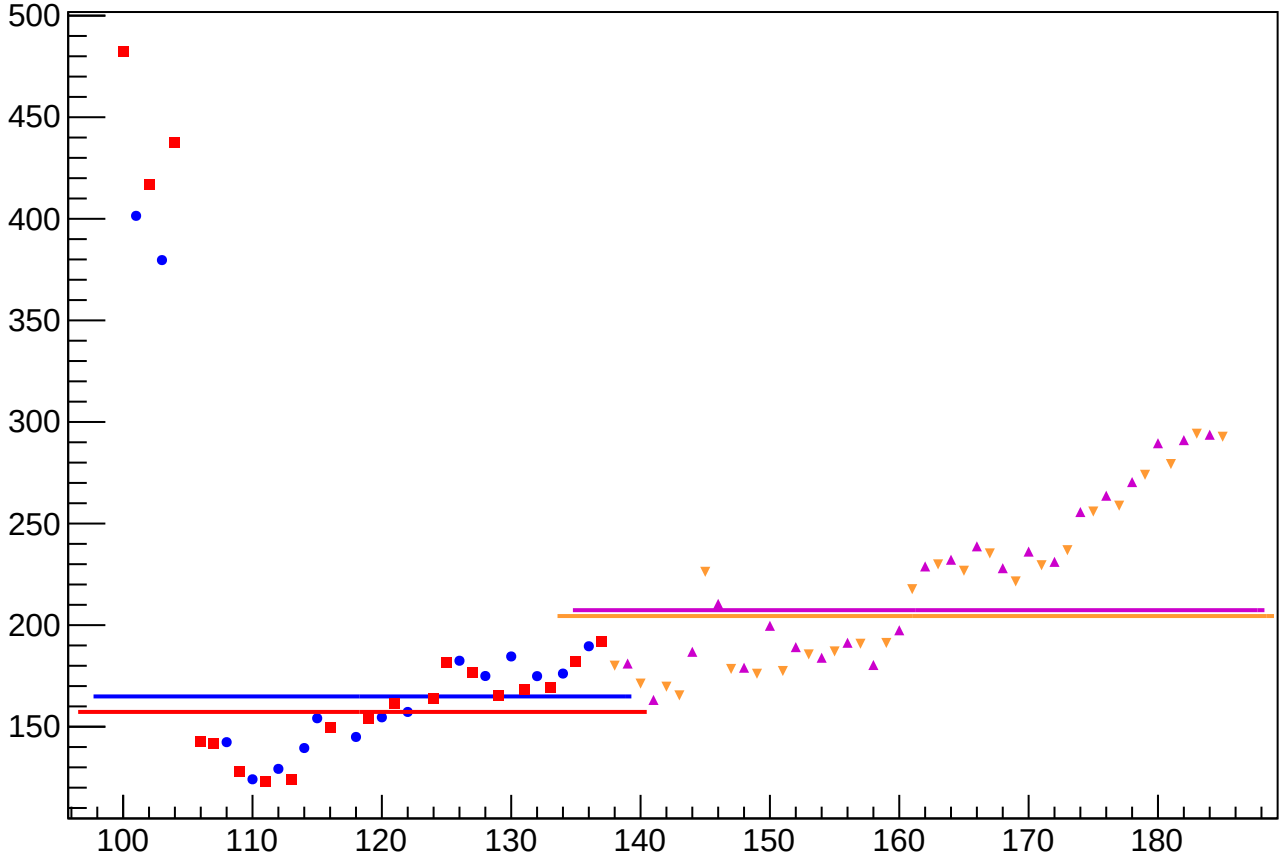
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 158620.645+/-0.038 χ^2/NDF: 79863927386.

All: 158317.157+/-0.027 χ^2/NDF: 15143731

- 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: 204.476+/-0.034 χ^2/NDF:1073199.0/24

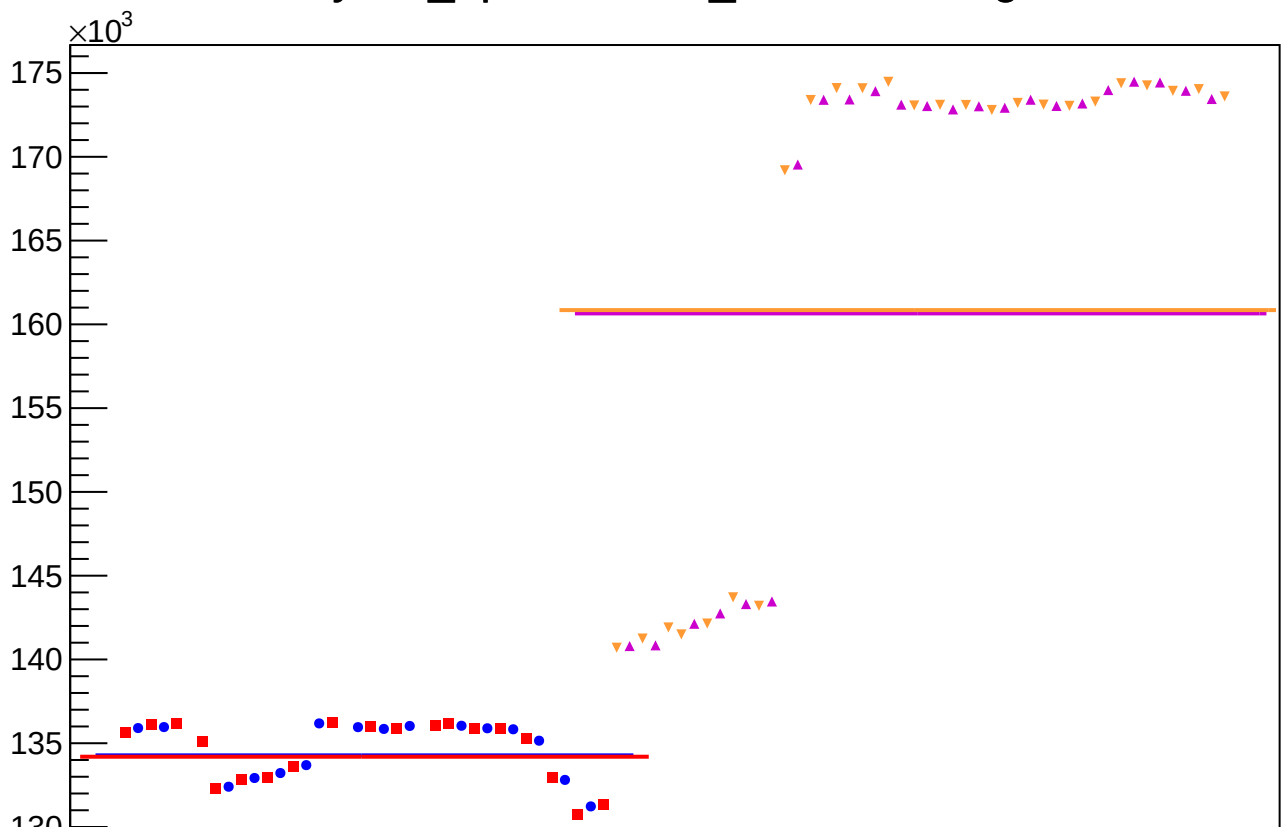
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

\+ sign 190.796+/-0.027 χ^2/NDF: 2627972.7/40

All: 189.180+/-0.019 χ^2/NDF: 5659831.4/82

\- sign 187.557+/-0.027 χ^2/NDF: 3024733.9/41



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

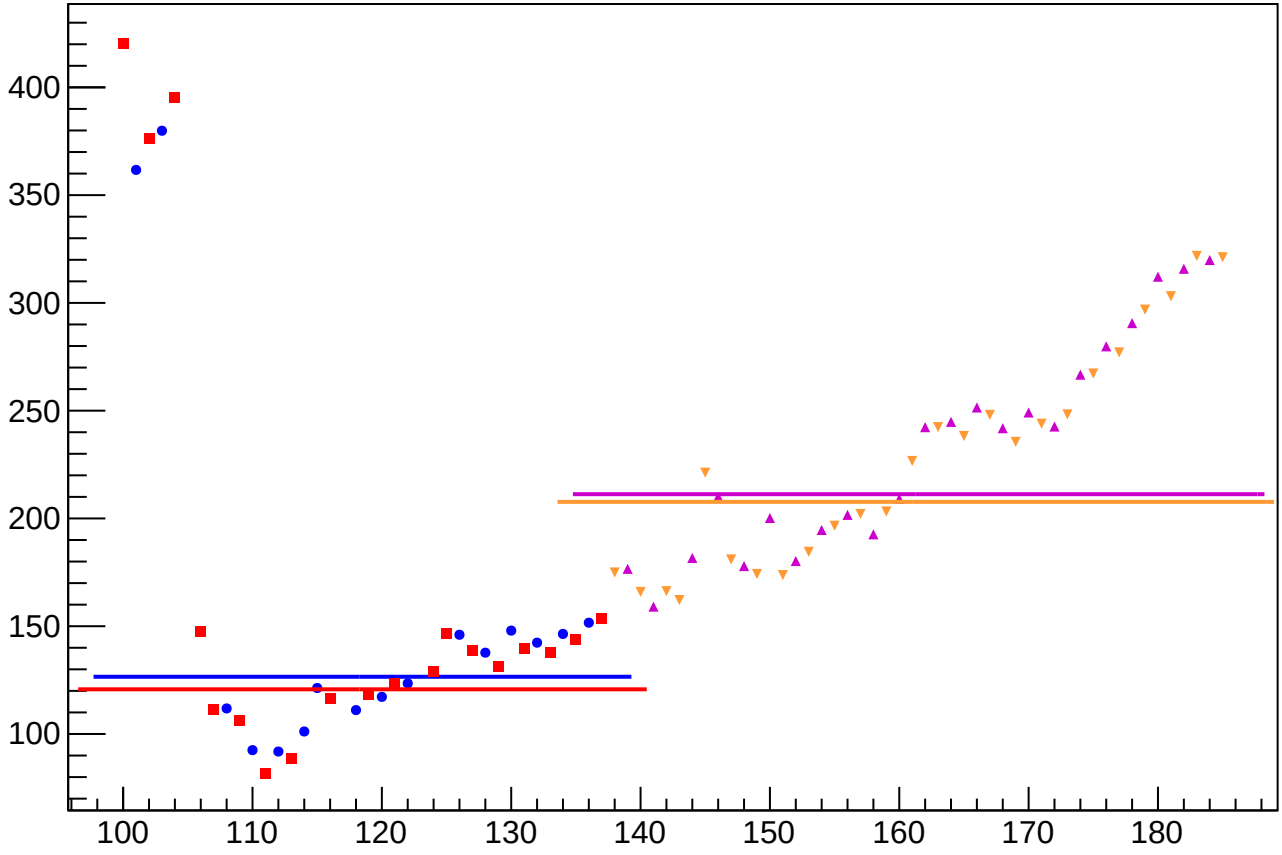
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 148204.701+/-0.035 χ^2/NDF: 243637113352

All: 147456.480+/-0.025 χ^2/NDF: 47986911

- sign 146718.673+/-0.035 χ^2/NDF: 235327513279

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

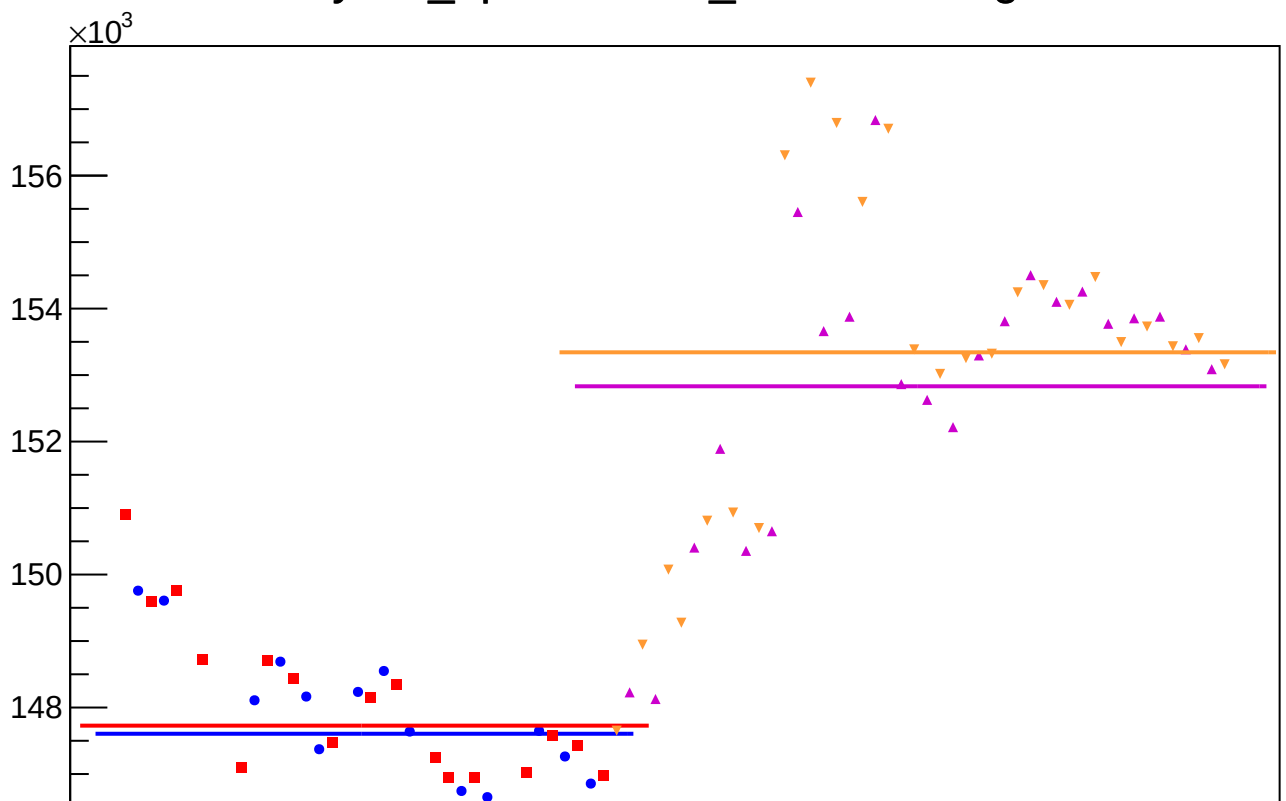
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 169.077+/-0.025 χ^2/NDF: 5649639.1/40

All: 166.306+/-0.017 χ^2/NDF: 11983941.1/82

- 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: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

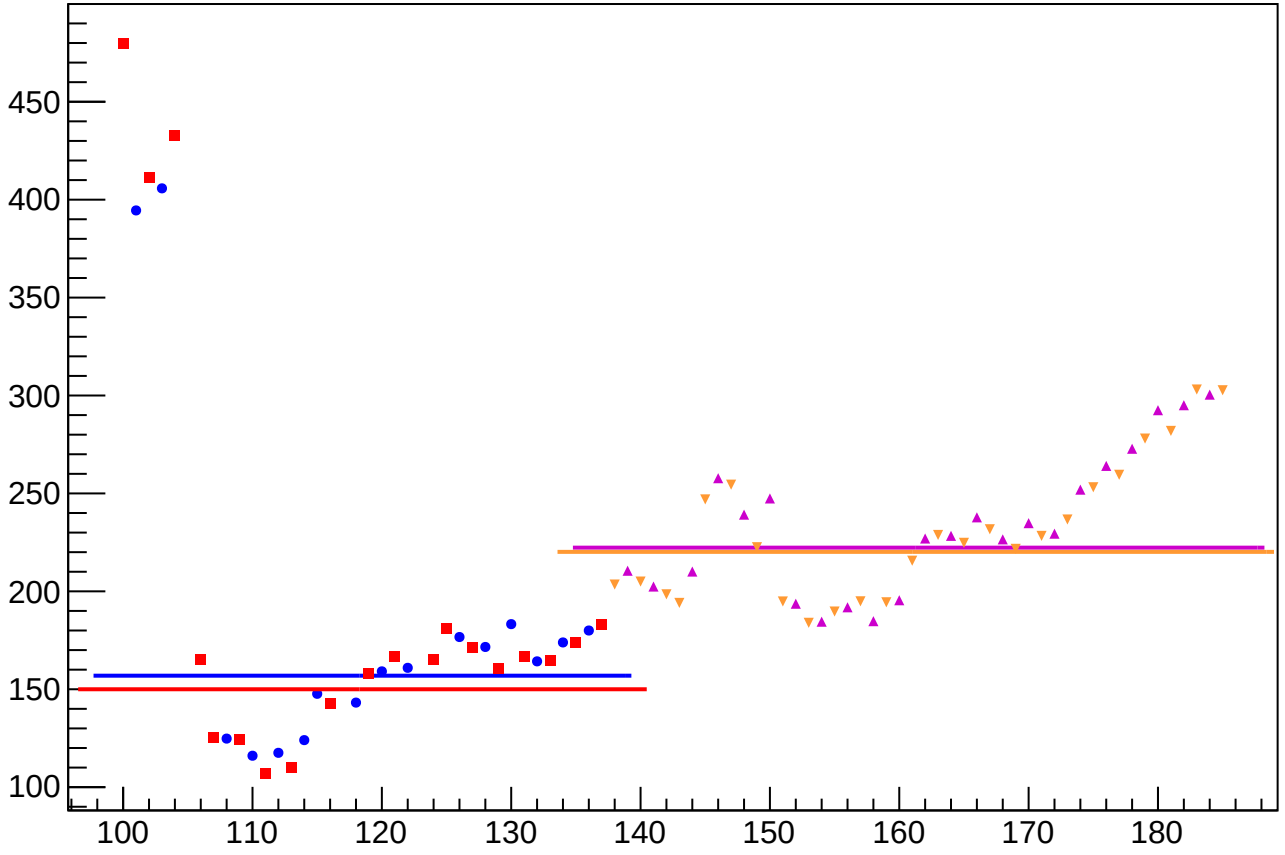
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151059.063+/-0.039 χ^2/NDF: 8255271693.0

All: 150808.356+/-0.028 χ^2/NDF: 14605790

- 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: 220.156+/-0.036 χ^2/NDF:685590.6/24

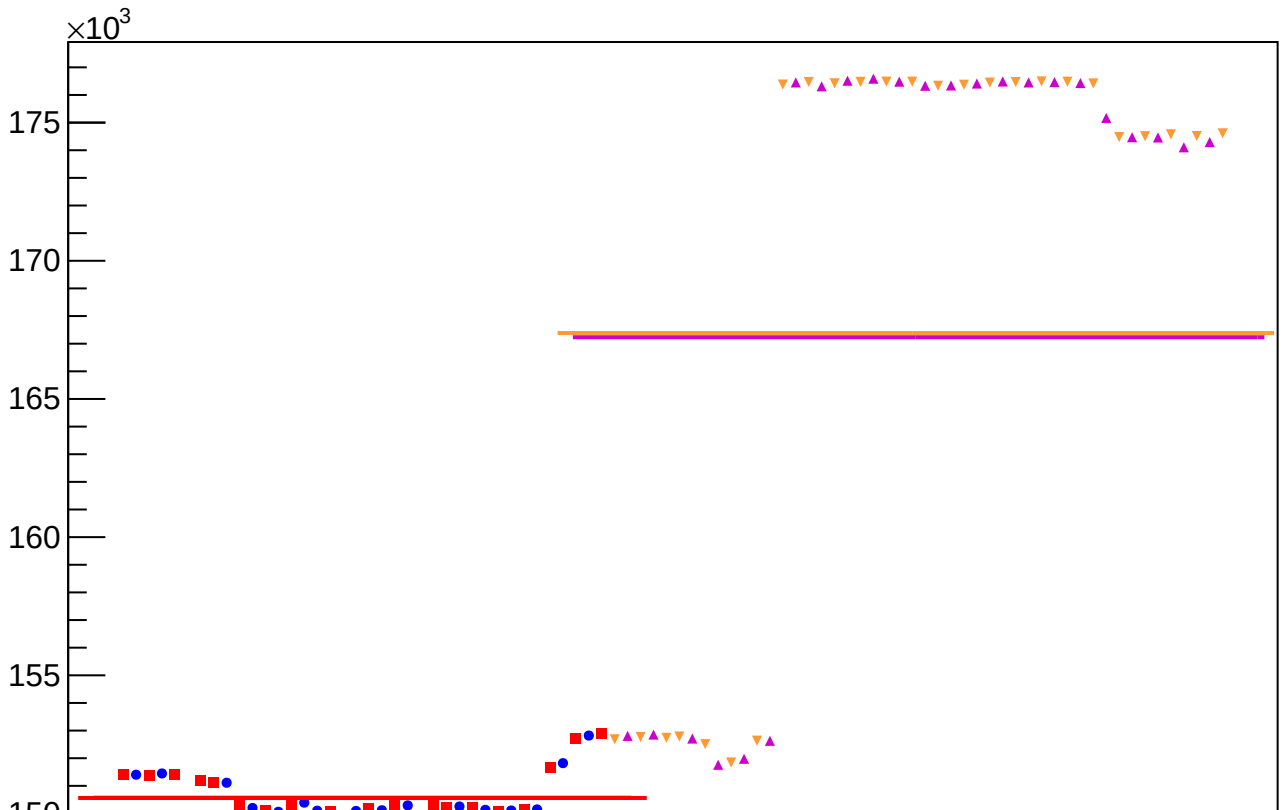
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 194.989+/-0.028 χ^2/NDF: 3184570.0/40

All: 192.542+/-0.020 χ^2/NDF: 7021797.5/82

- 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: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

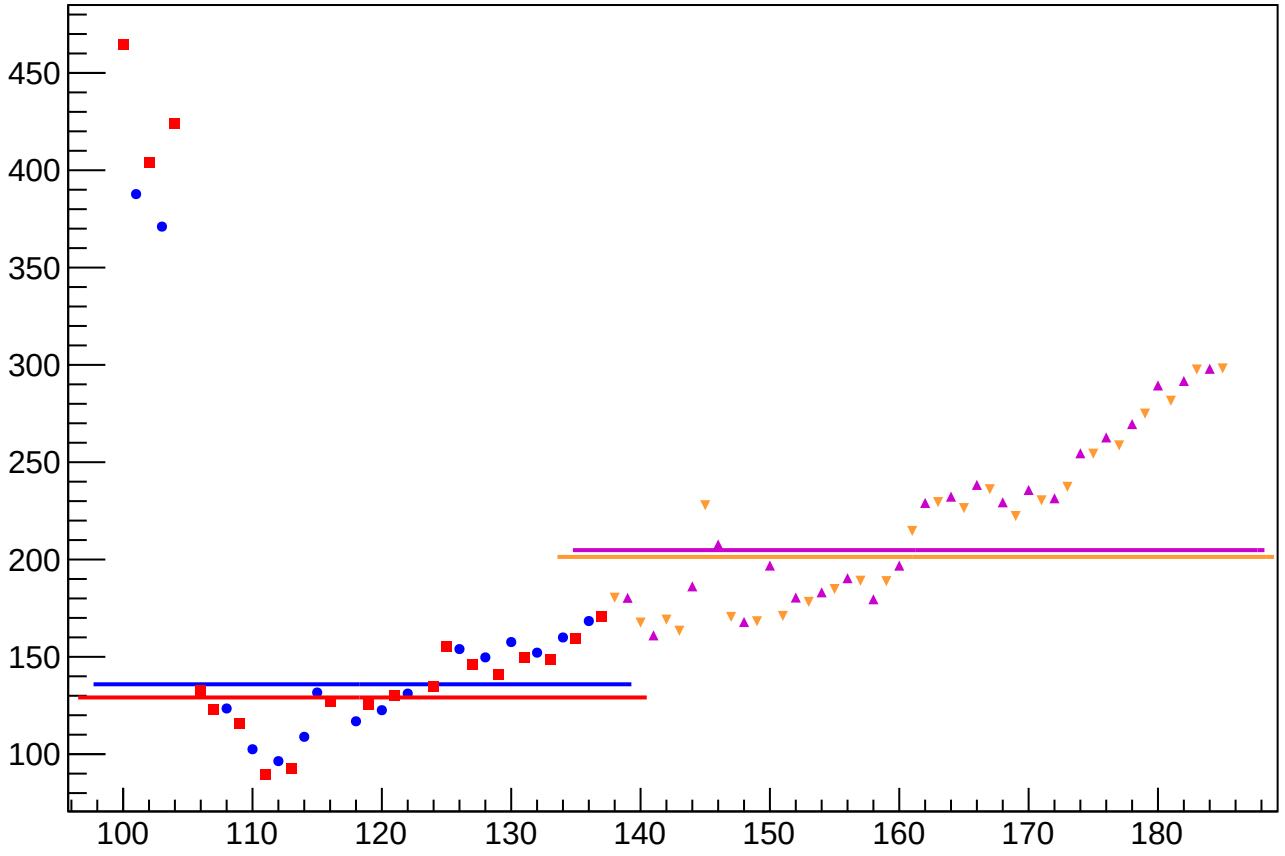
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160276.500+/-0.036 χ^2/NDF: 11458094987

All: 159760.133+/-0.025 χ^2/NDF: 2260327

- 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: 201.329+/-0.033 χ^2/NDF:1230655.6/24

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 173.668+/-0.025 χ^2/NDF: 4304440.1/40

All: 171.107+/-0.018 χ^2/NDF: 9290247.9/82

- 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: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

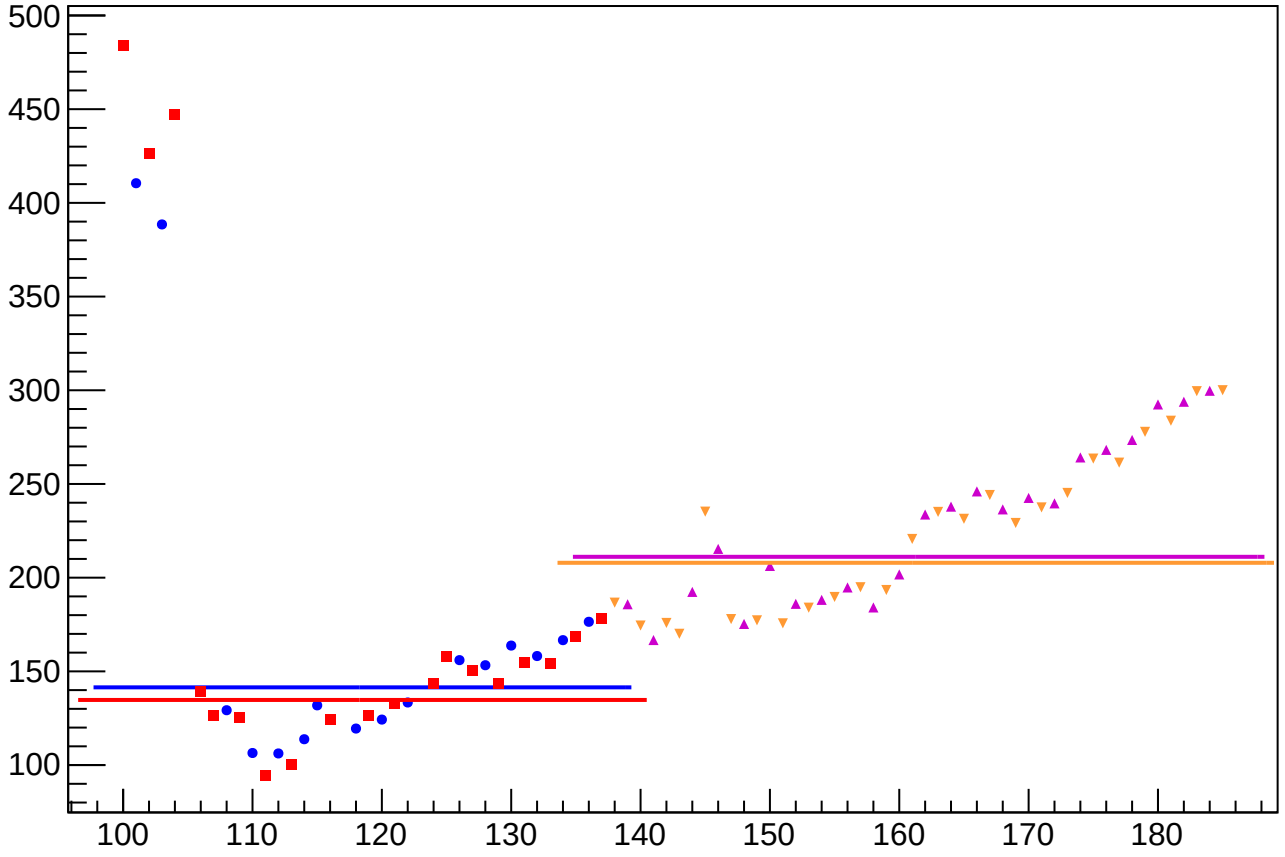
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167119.658+/-0.037 χ^2/NDF: 11976029292

All: 166558.236+/-0.026 χ^2/NDF: 237312762

- sign 166003.458+/-0.037 χ^2/NDF: 117088658528

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

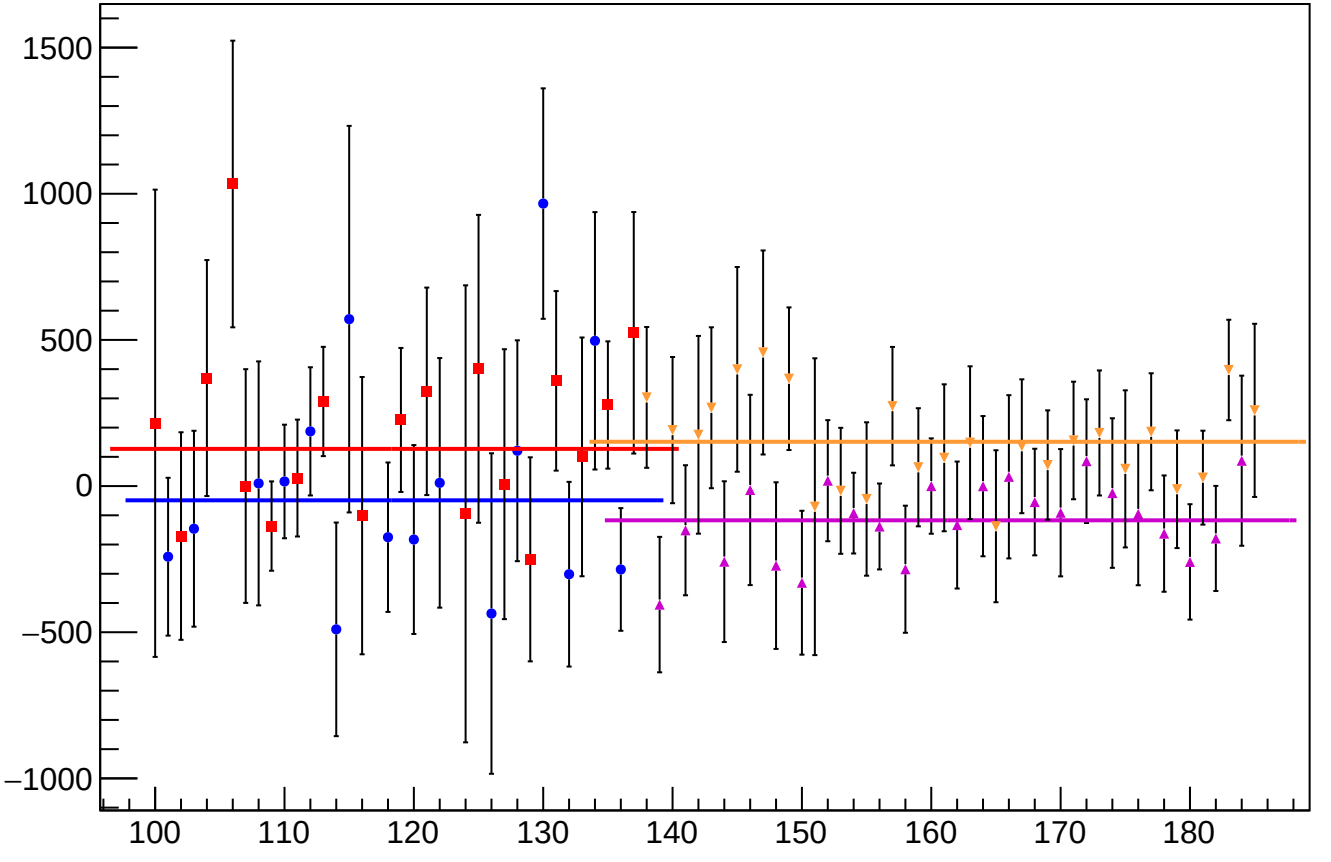
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 180.117+/-0.026 χ^2/NDF: 4115735.3/40

All: 177.543+/-0.018 χ^2/NDF: 8886867.7/82

- 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: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

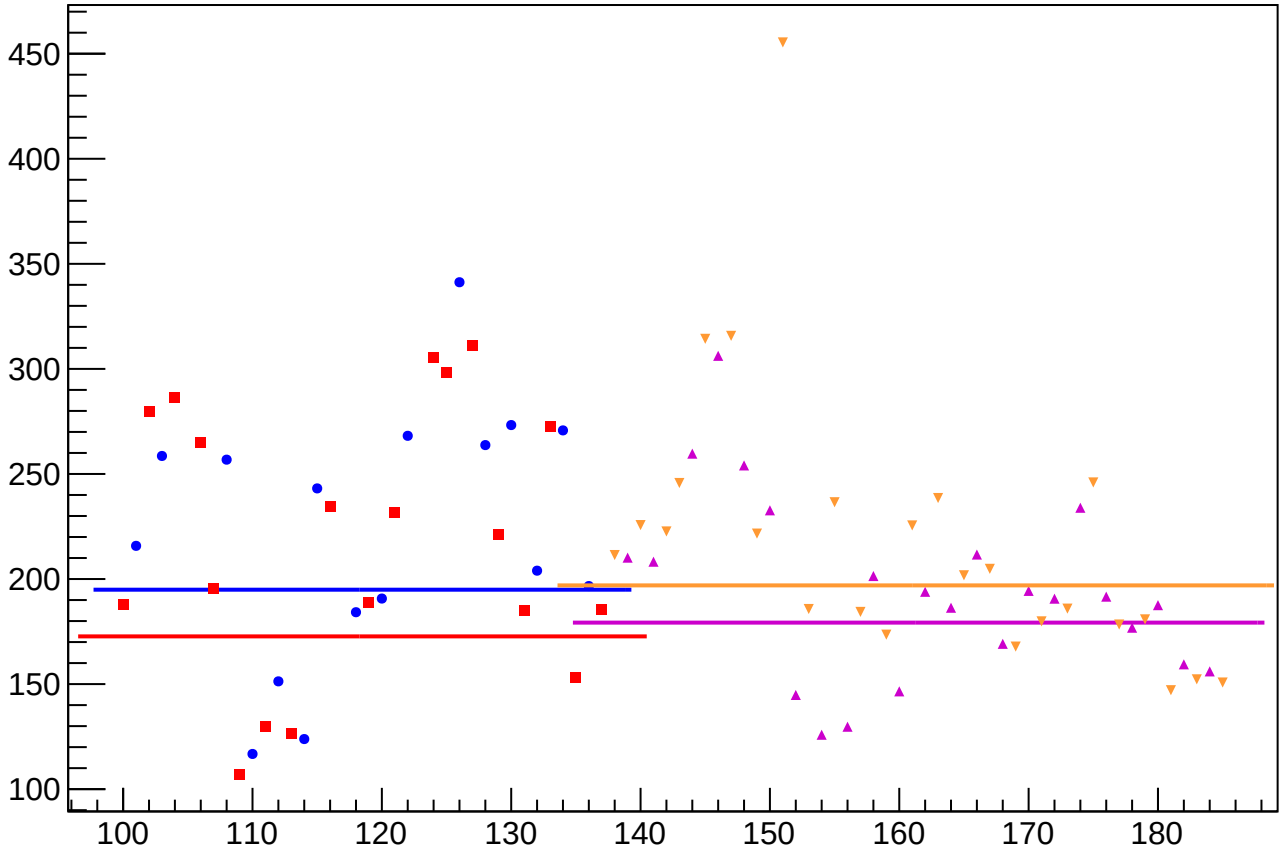
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 97.778+/-39.697 χ^2/NDF: 30.0/40

All: 20.466+/-27.023 χ^2/NDF: 66.5/82

- 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: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

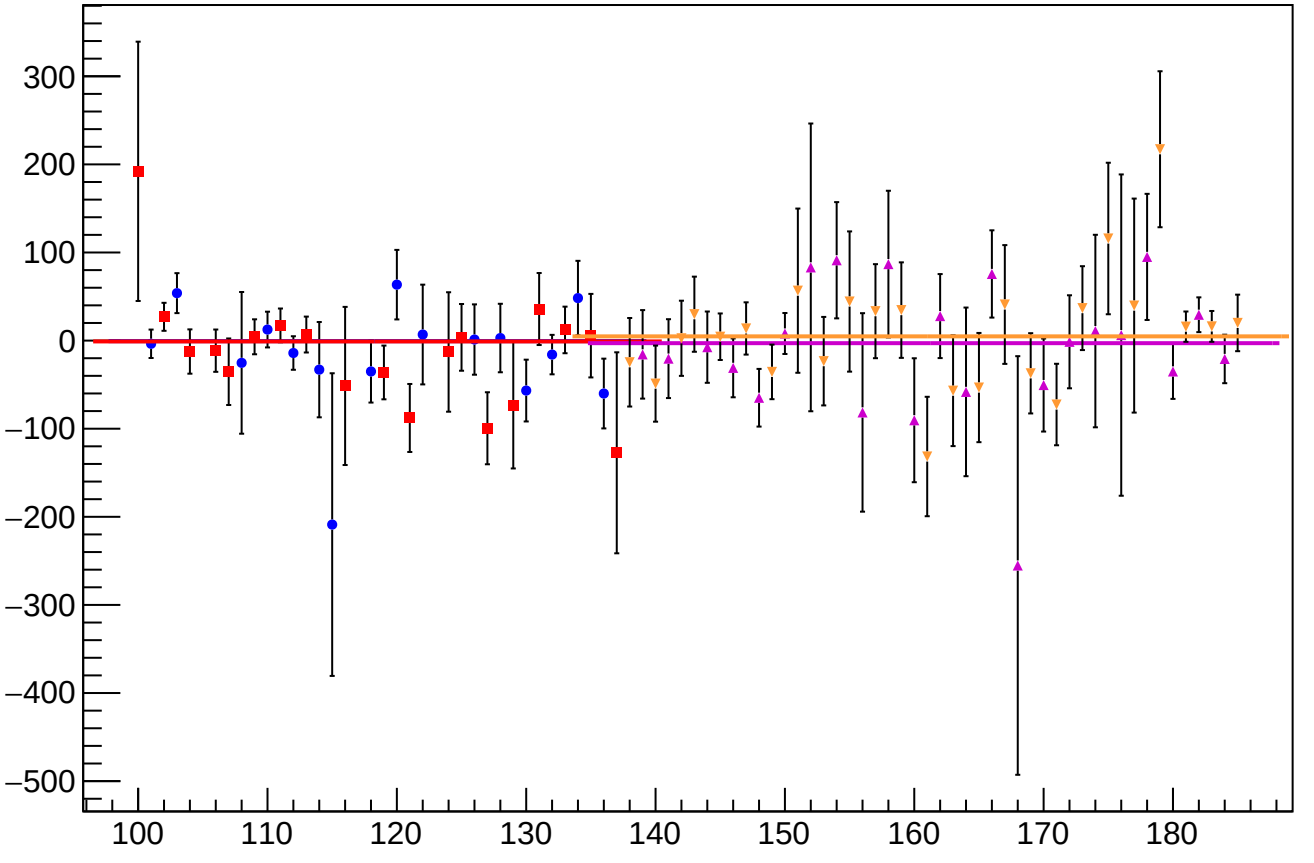
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 196.424+/-0.028 χ^2/NDF: 2839259.2/40

All: 186.192+/-0.019 χ^2/NDF: 6387234.6/82

- 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: 4.803+/-7.601 χ^2/NDF:24.3/24

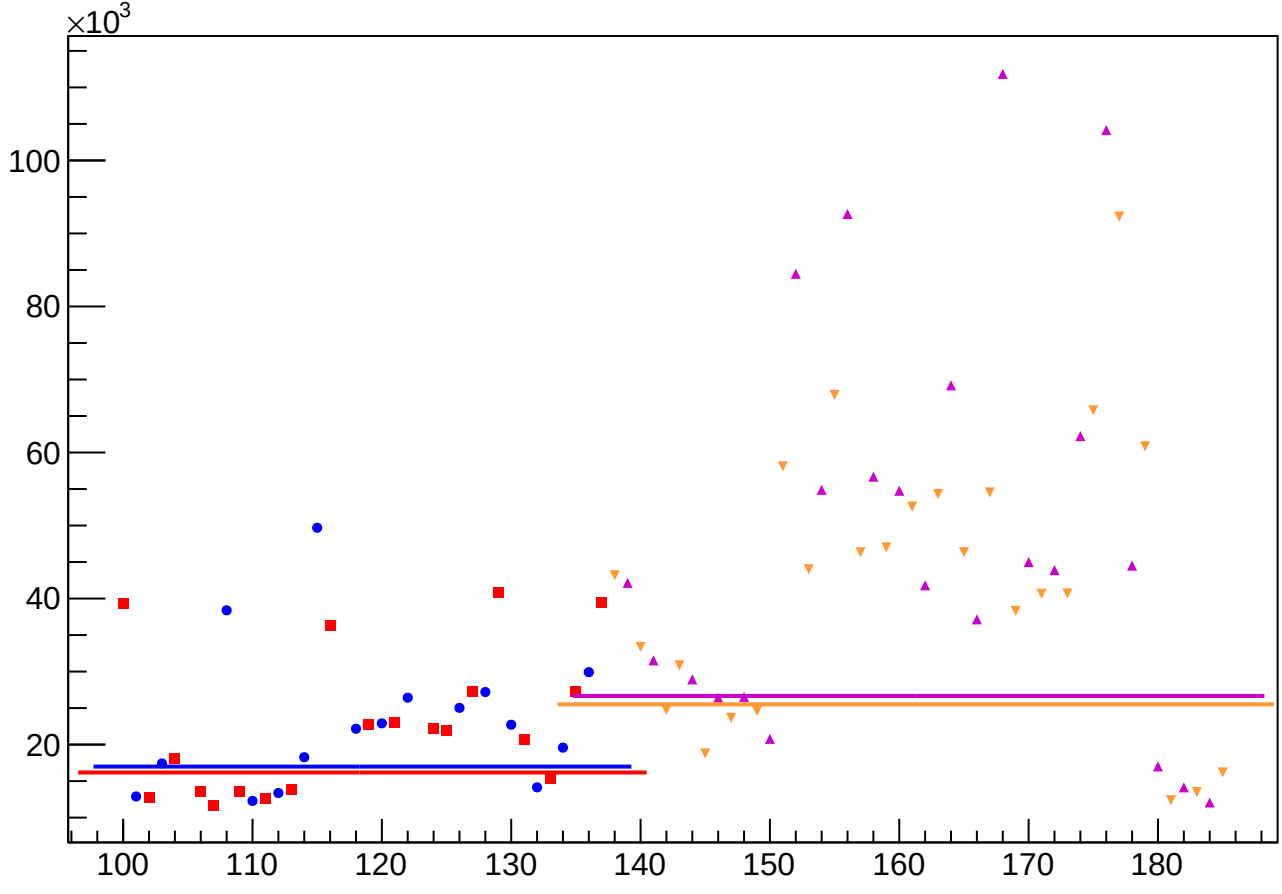
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 1.995+/-5.280 χ^2/NDF: 43.5/40

All: 0.195+/-3.766 χ^2/NDF: 88.3/82

- sign -1.669+/-5.373 χ^2/NDF: 44.6/41



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

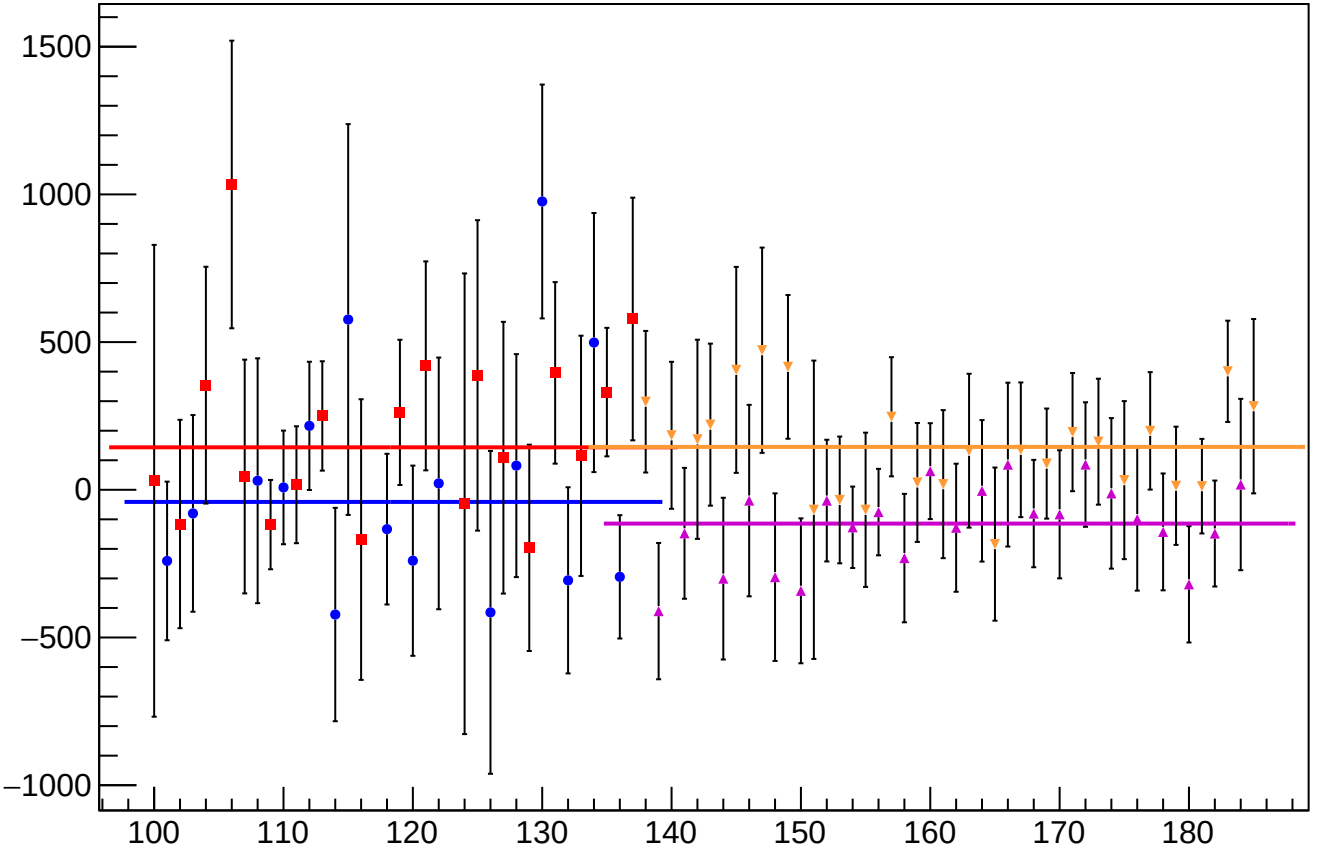
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21100.764+/-3.734 χ^2/NDF: 10238843.1/40

All: 20586.321+/-2.663 χ^2/NDF: 19184097.2

- sign 20053.540+/-3.800 χ^2/NDF: 8906607.1/41

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

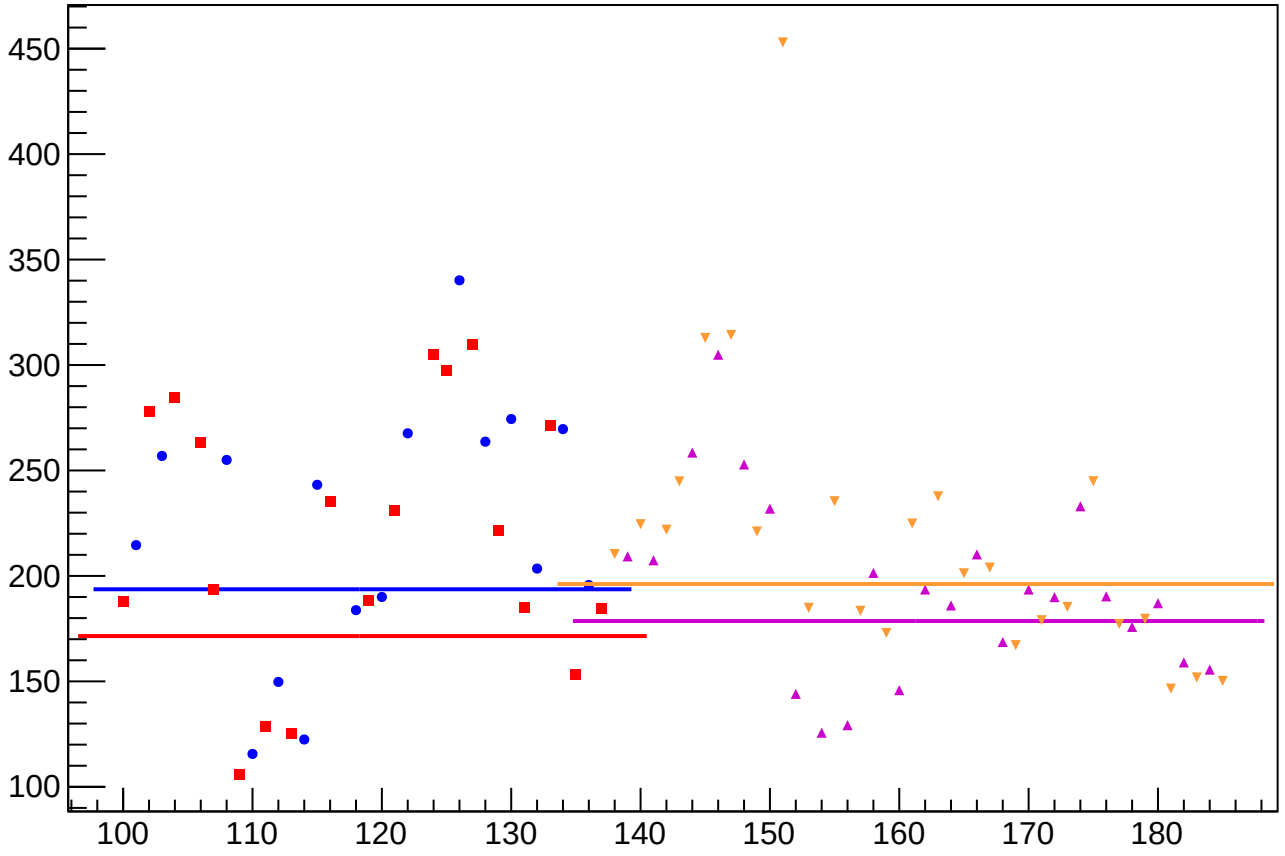
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 95.036+/-39.516 χ^2/NDF: 31.0/40

All: 22.989+/-26.902 χ^2/NDF: 68.8/82

- 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: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

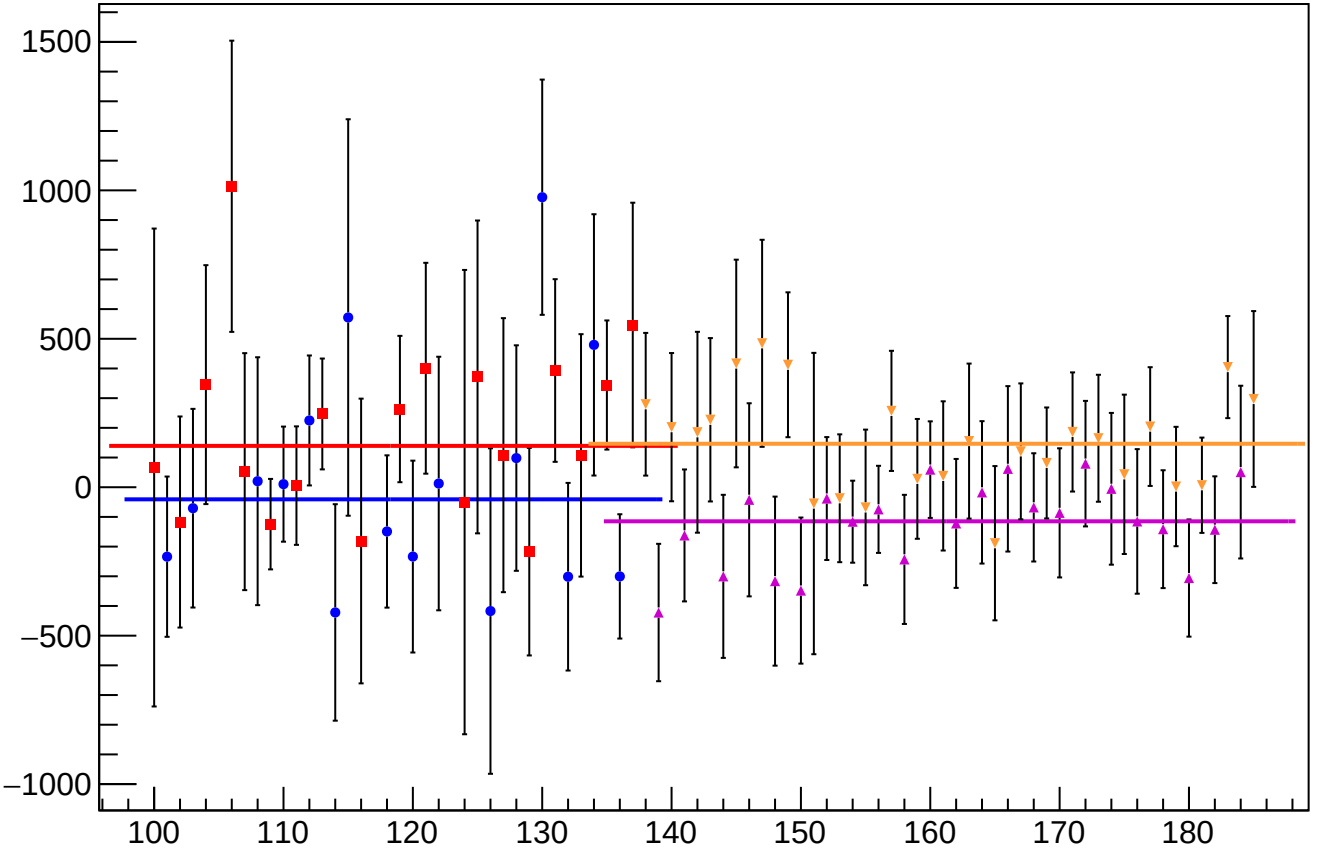
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 195.494+/-0.028 χ^2/NDF: 2858212.5/40

All: 185.327+/-0.019 χ^2/NDF: 6425432.6/82

- 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: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

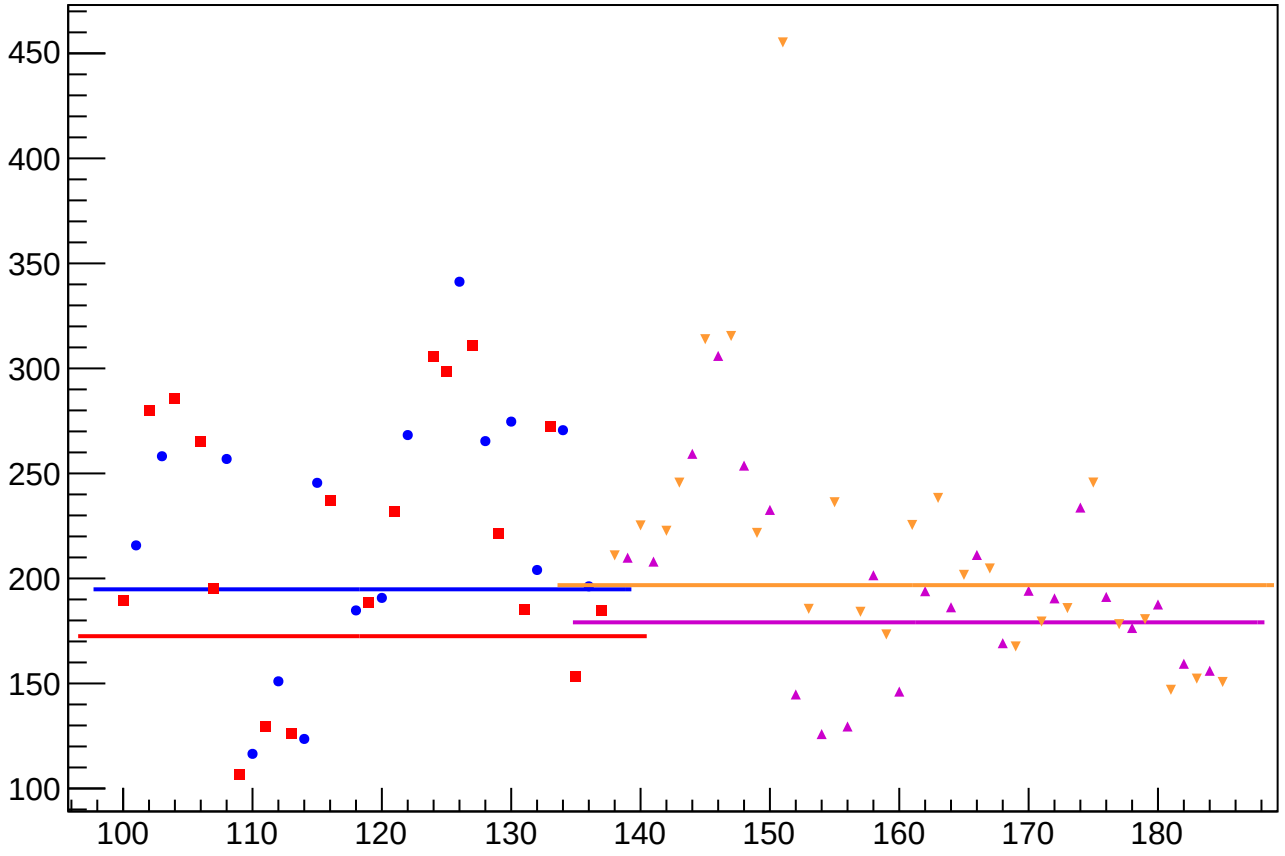
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 96.177+/-39.671 χ^2/NDF: 31.2/40

All: 22.477+/-27.003 χ^2/NDF: 68.7/82

- 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: 196.805+/-0.033 χ^2/NDF:1808608.7/24

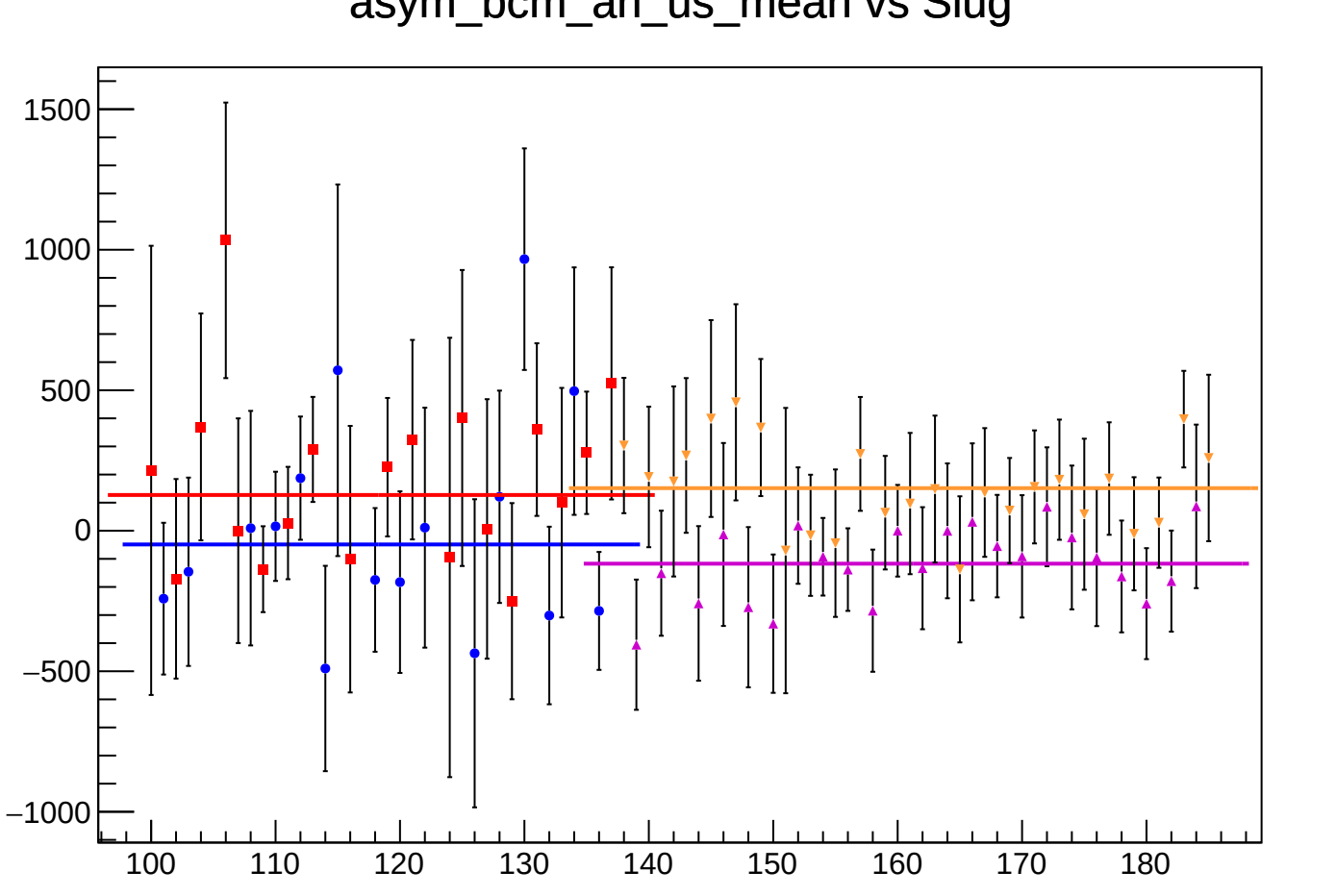
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 196.272+/-0.028 χ^2/NDF: 2848689.4/40

All: 186.031+/-0.019 χ^2/NDF: 6408168.9/82

- 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: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

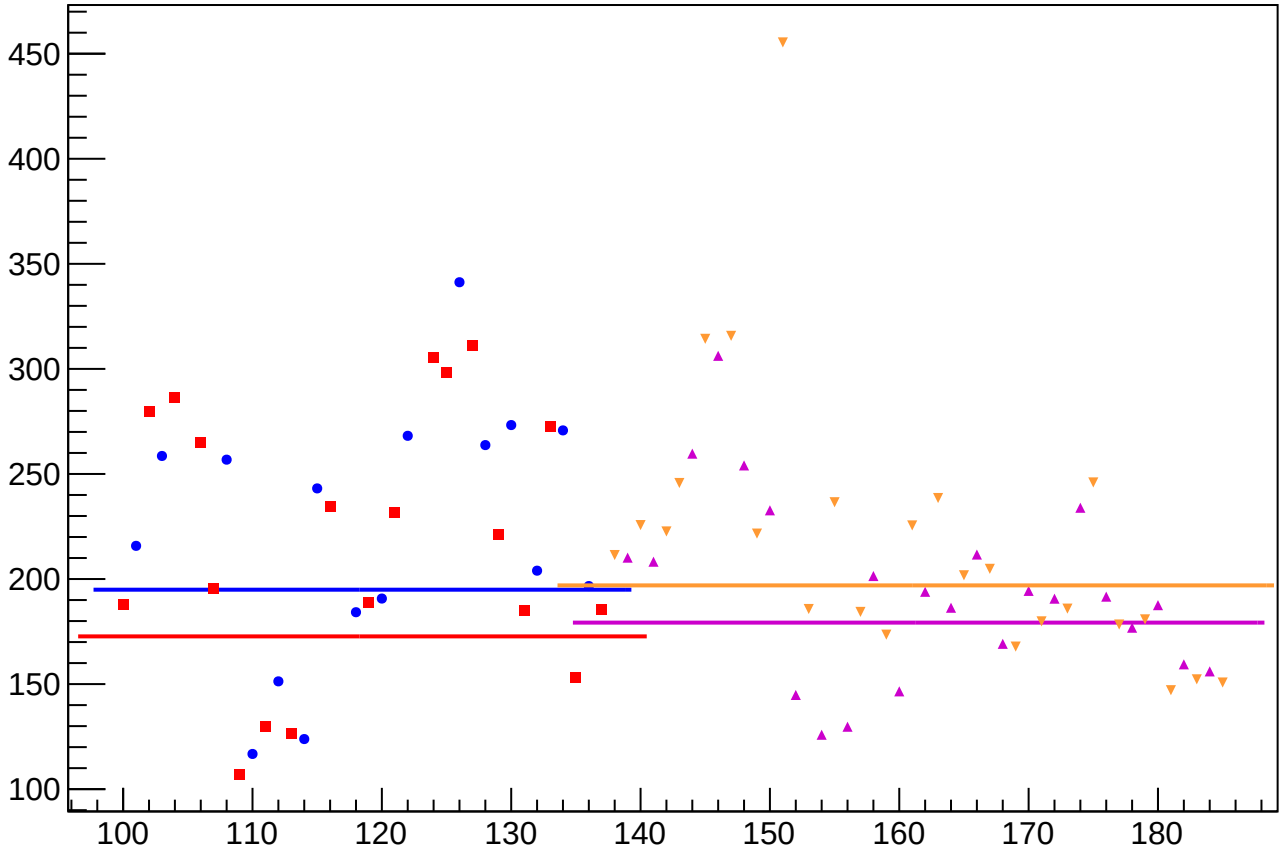
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 97.778+/-39.697 χ^2/NDF: 30.0/40

All: 20.466+/-27.023 χ^2/NDF: 66.5/82

- 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: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

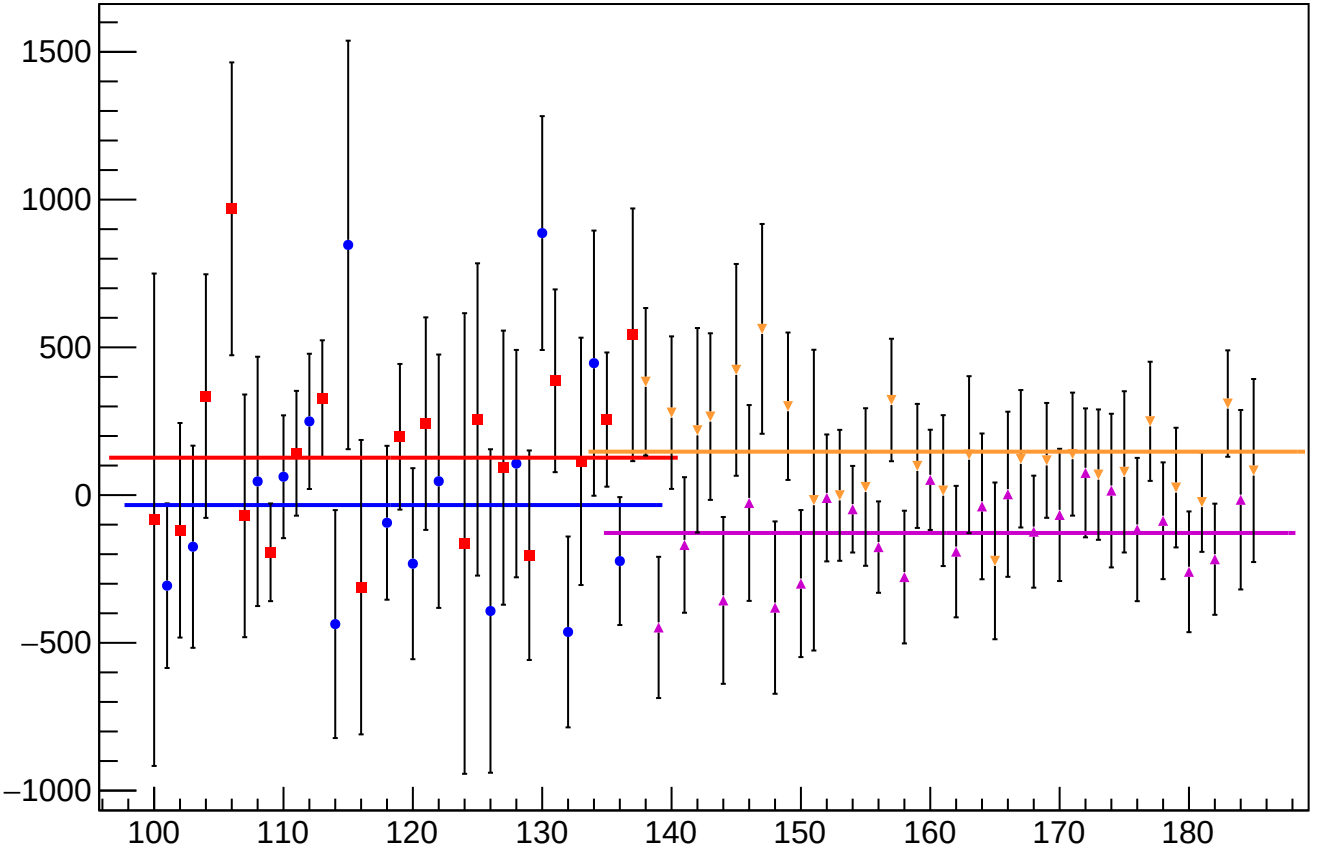
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 196.424+/-0.028 χ^2/NDF: 2839259.2/40

All: 186.192+/-0.019 χ^2/NDF: 6387234.6/82

- 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: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

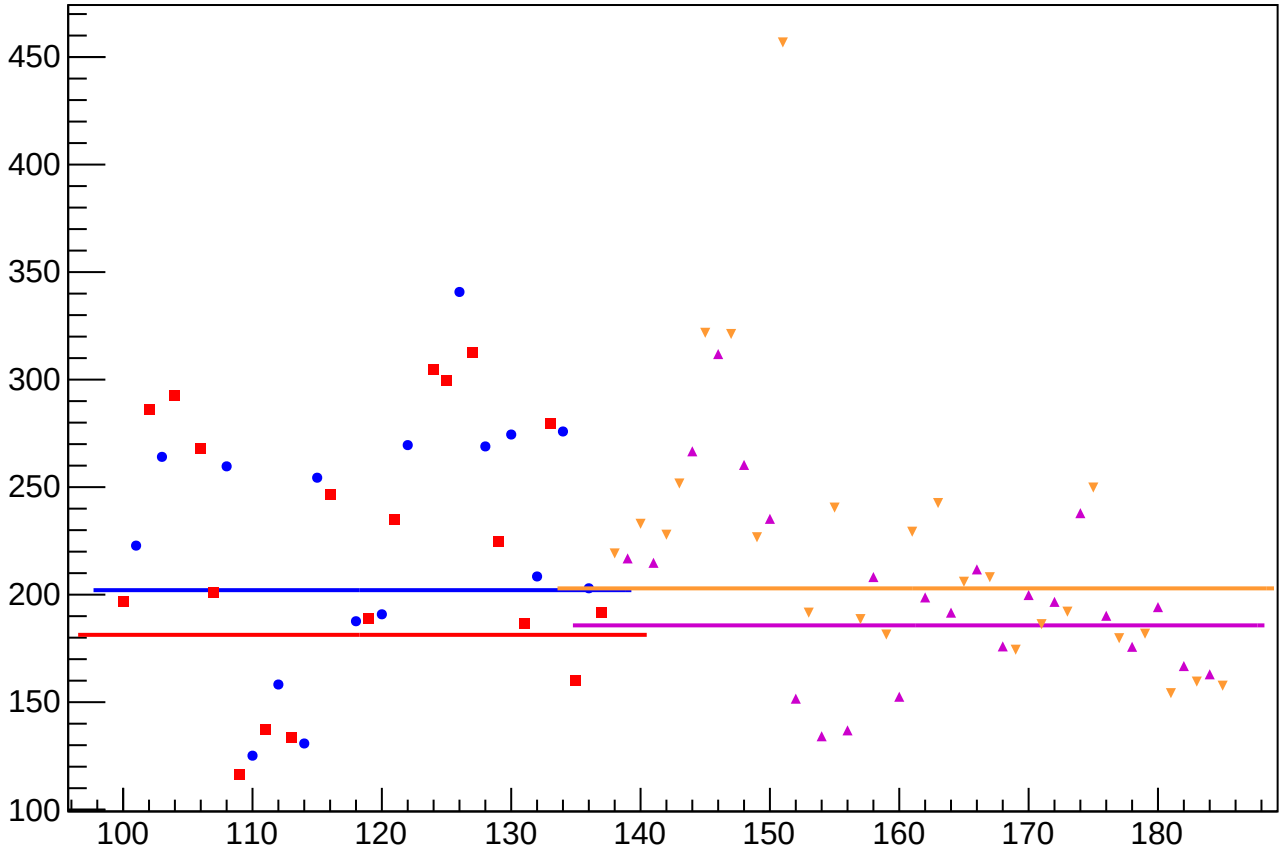
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 98.677+/-40.839 χ^2/NDF: 29.8/40

All: 16.587+/-27.889 χ^2/NDF: 67.7/82

- 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: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

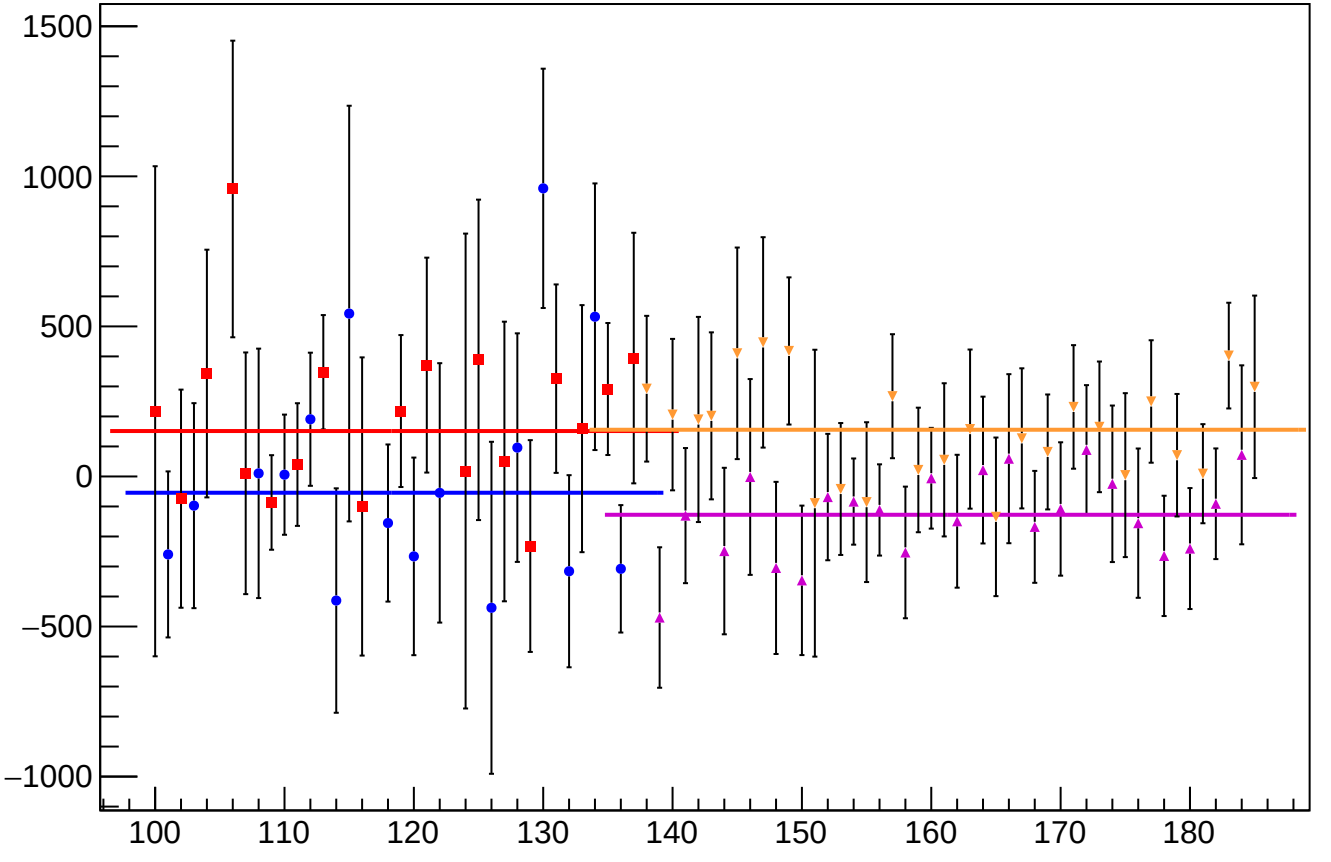
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 202.698+/-0.029 χ^2/NDF: 2610536.3/40

All: 192.962+/-0.020 χ^2/NDF: 5759471.4/82

- 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: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

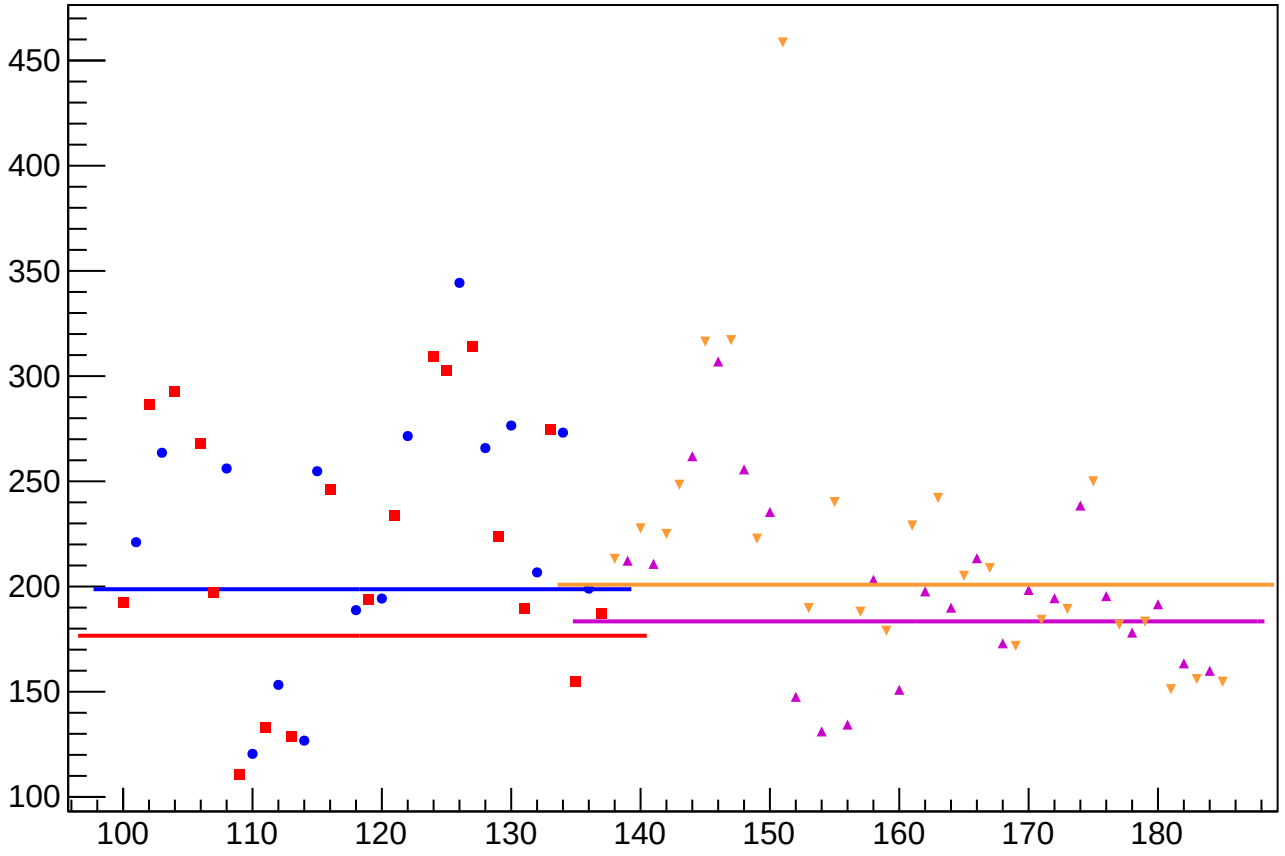
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 99.218+/-40.414 χ^2/NDF: 31.0/40

All: 21.122+/-27.551 χ^2/NDF: 67.5/82

- 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: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

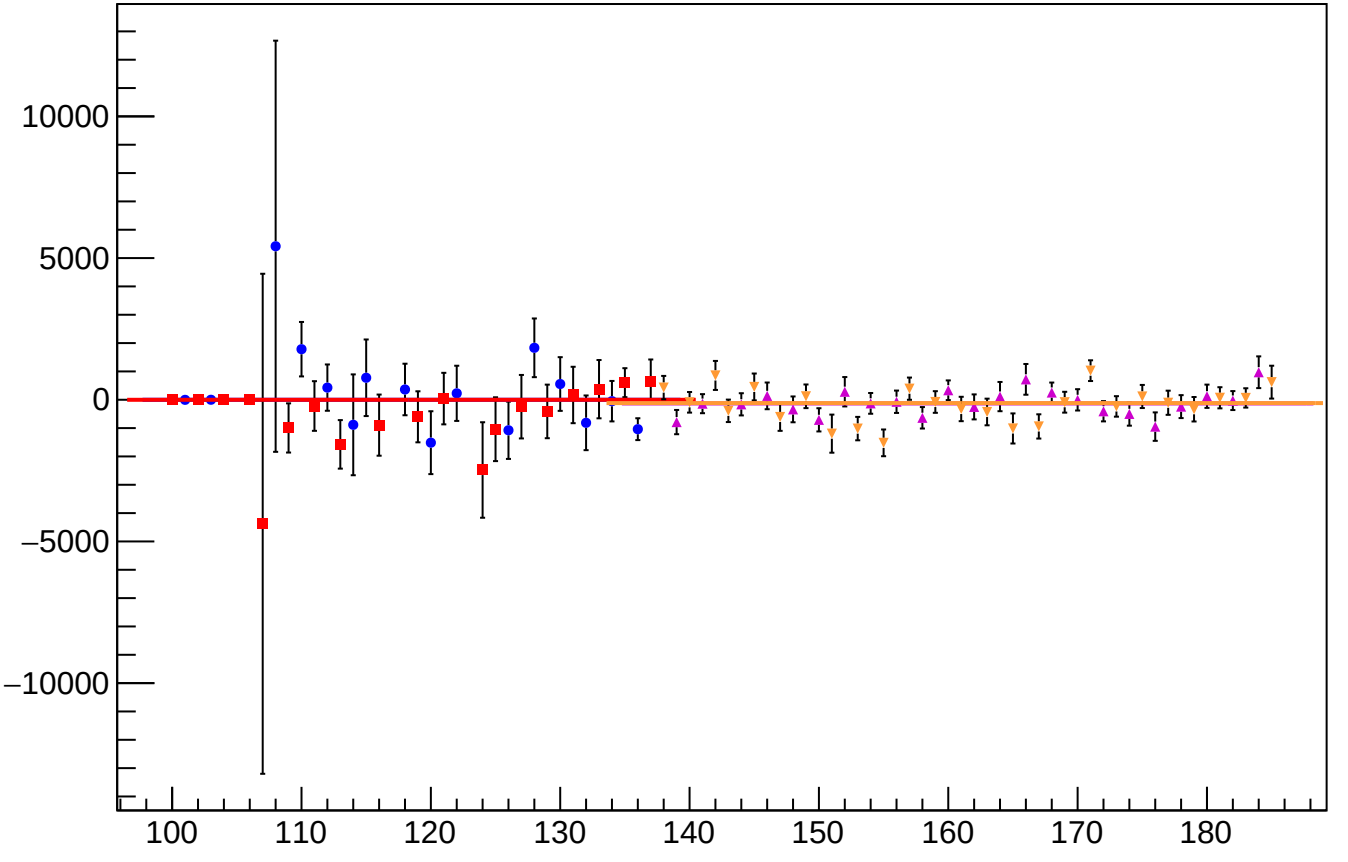
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 200.288+/-0.029 χ^2/NDF: 2722581.9/40

All: 190.208+/-0.019 χ^2/NDF: 6094882.9/82

- 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: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

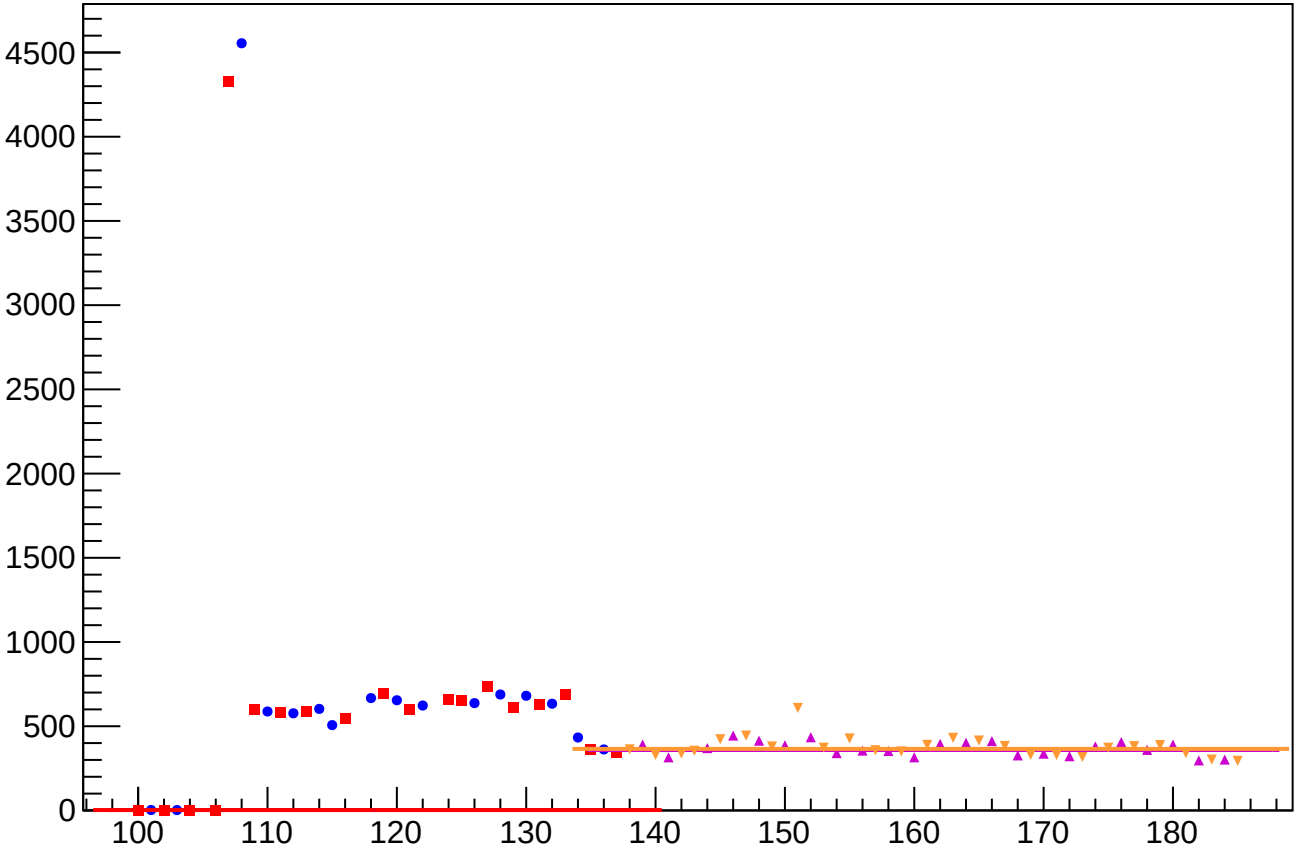
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.316+/-2.170 χ^2/NDF: 68.2/40

All: -1.388+/-1.479 χ^2/NDF: 109.0/82

- 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: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

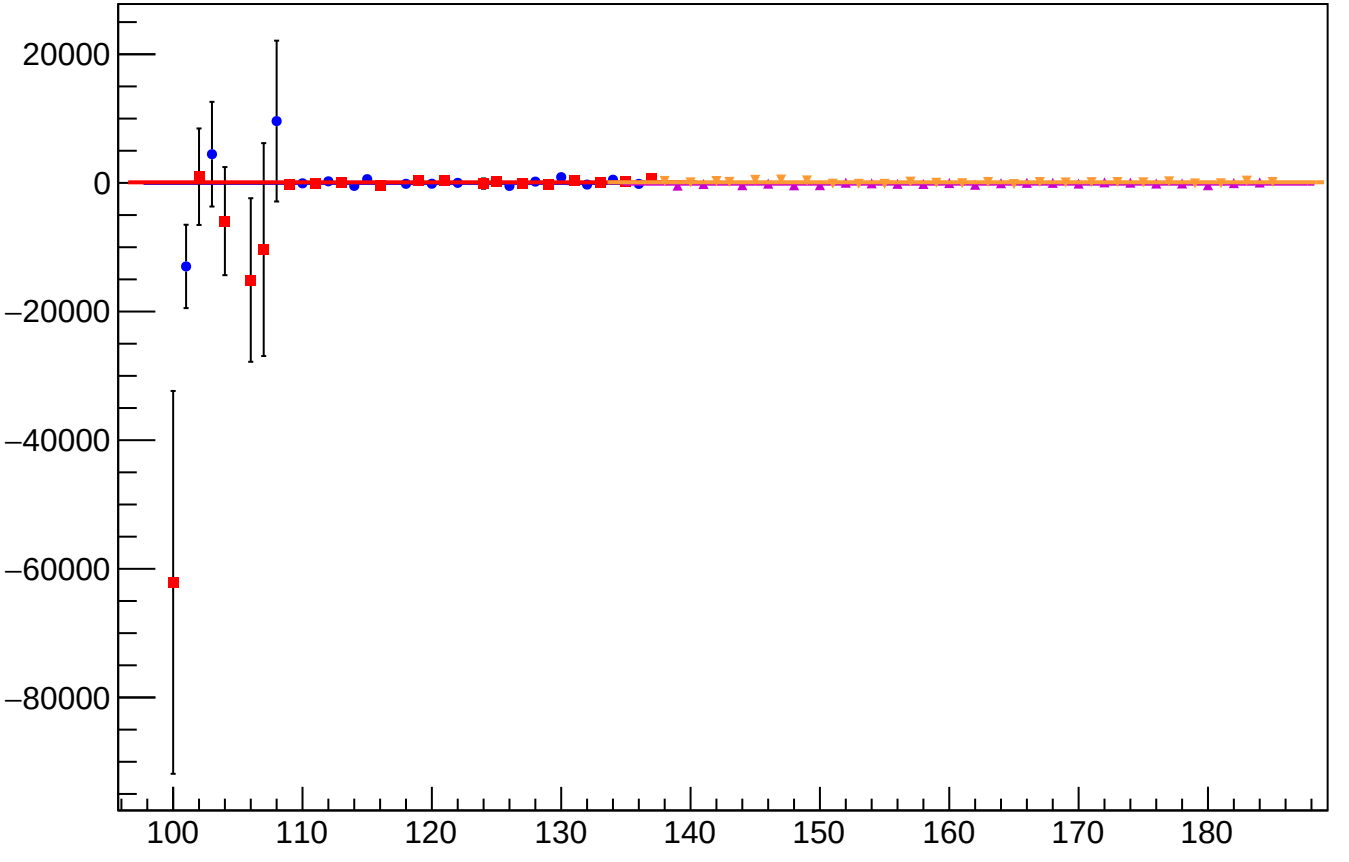
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.718+/-0.002 χ^2/NDF: 49461127.5/40

All: 2.689+/-0.001 χ^2/NDF: 96565353.4/82

- 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: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

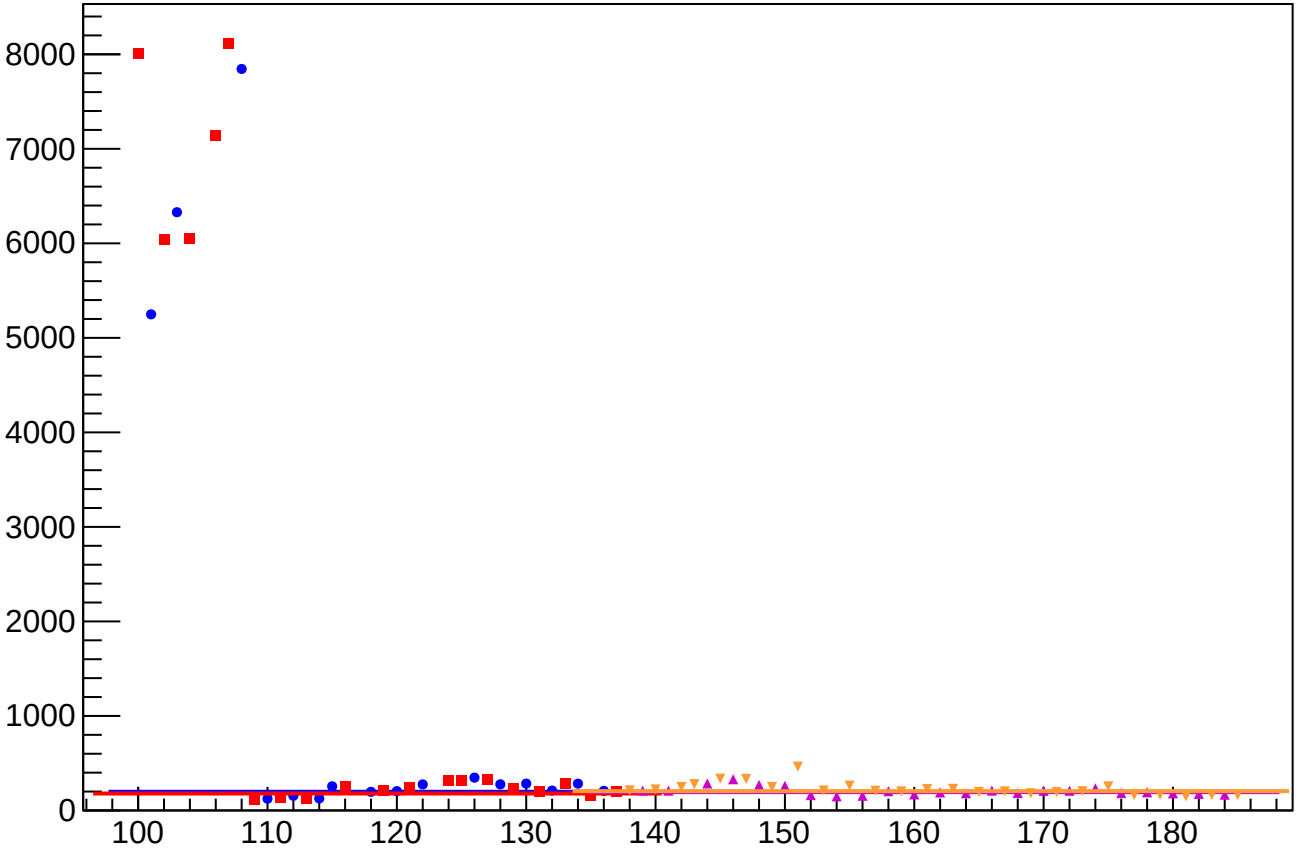
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 76.641+/-42.288 χ^2/NDF: 30.6/40

All: 1.685+/-29.325 χ^2/NDF: 65.6/82

- 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: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

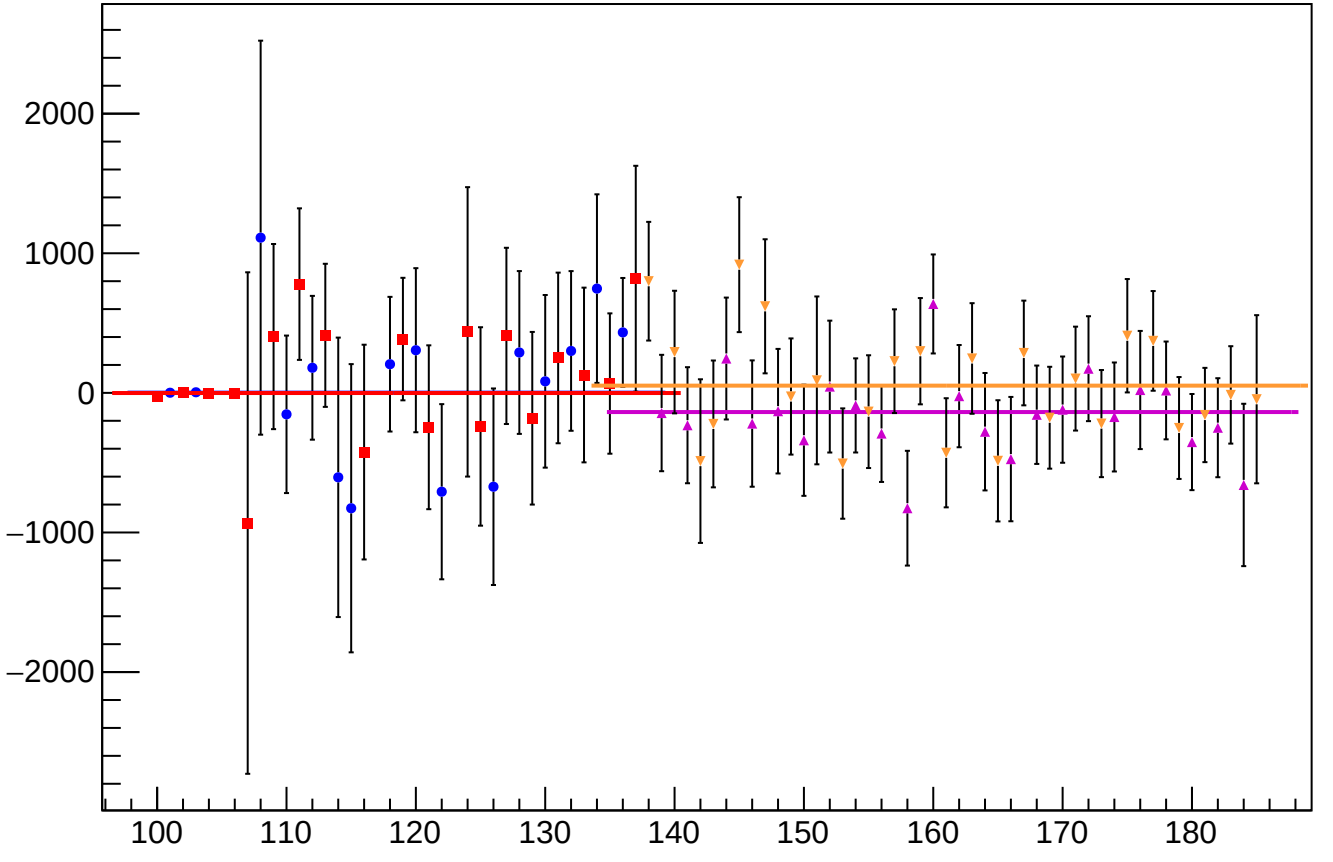
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 202.967+/-0.030 χ^2/NDF: 5941960.1/40

All: 196.366+/-0.021 χ^2/NDF: 11694228.2/82

- 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: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

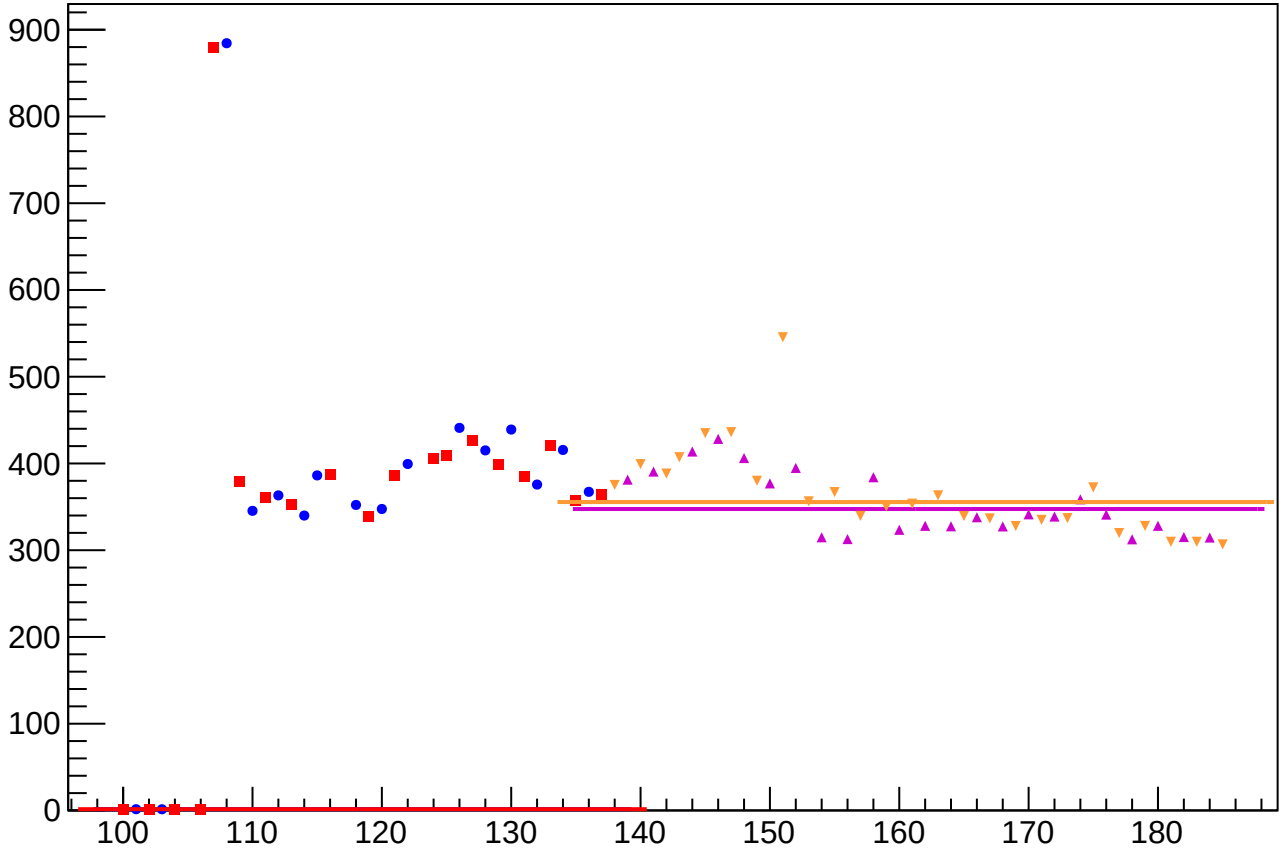
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.476+/-1.660 χ^2/NDF: 27.7/40

All: 0.059+/-1.124 χ^2/NDF: 53.1/82

- 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: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

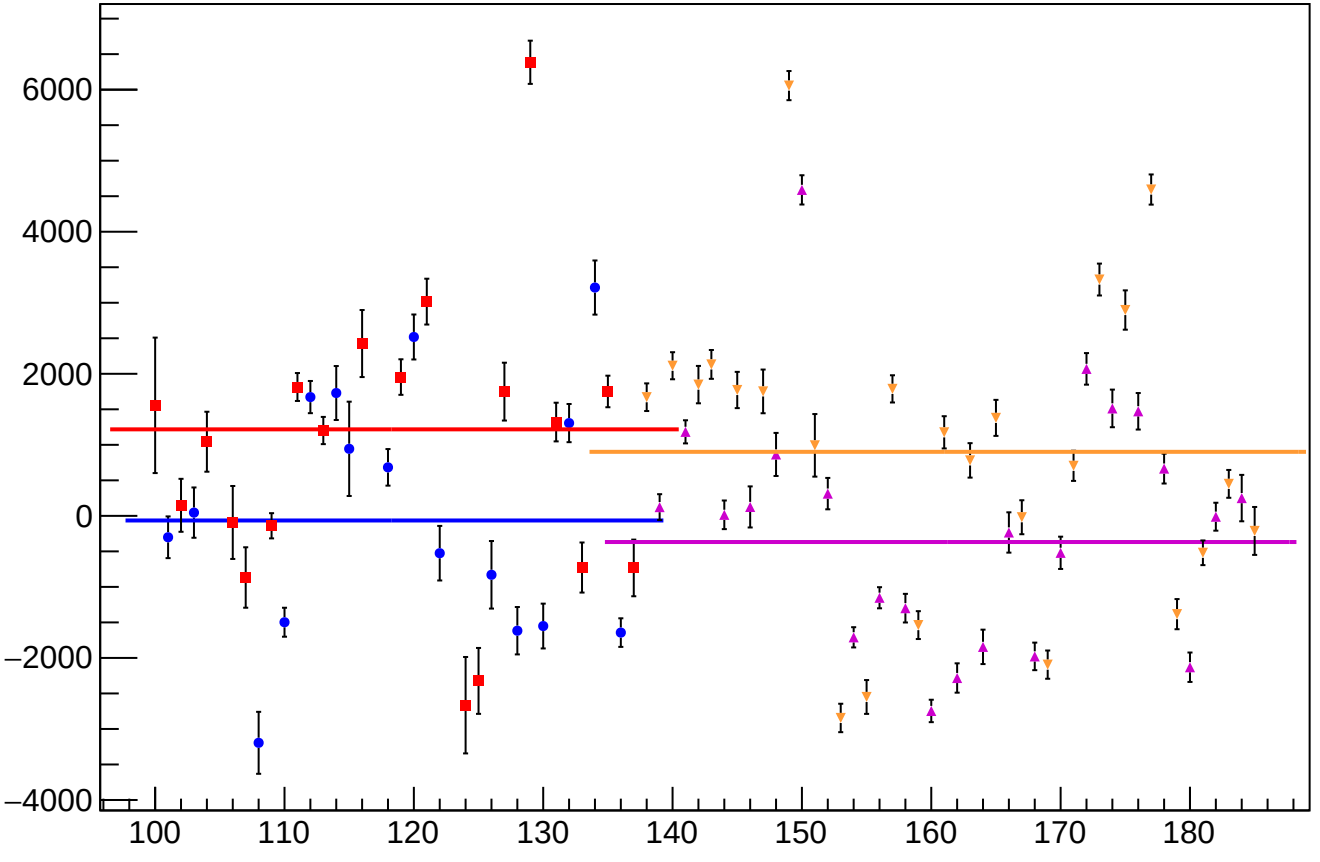
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

\+ sign 1.617+/-0.001 χ^2/NDF: 49944595.3/40

All: 1.601+/-0.001 χ^2/NDF: 97063496.5/82

\- 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: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

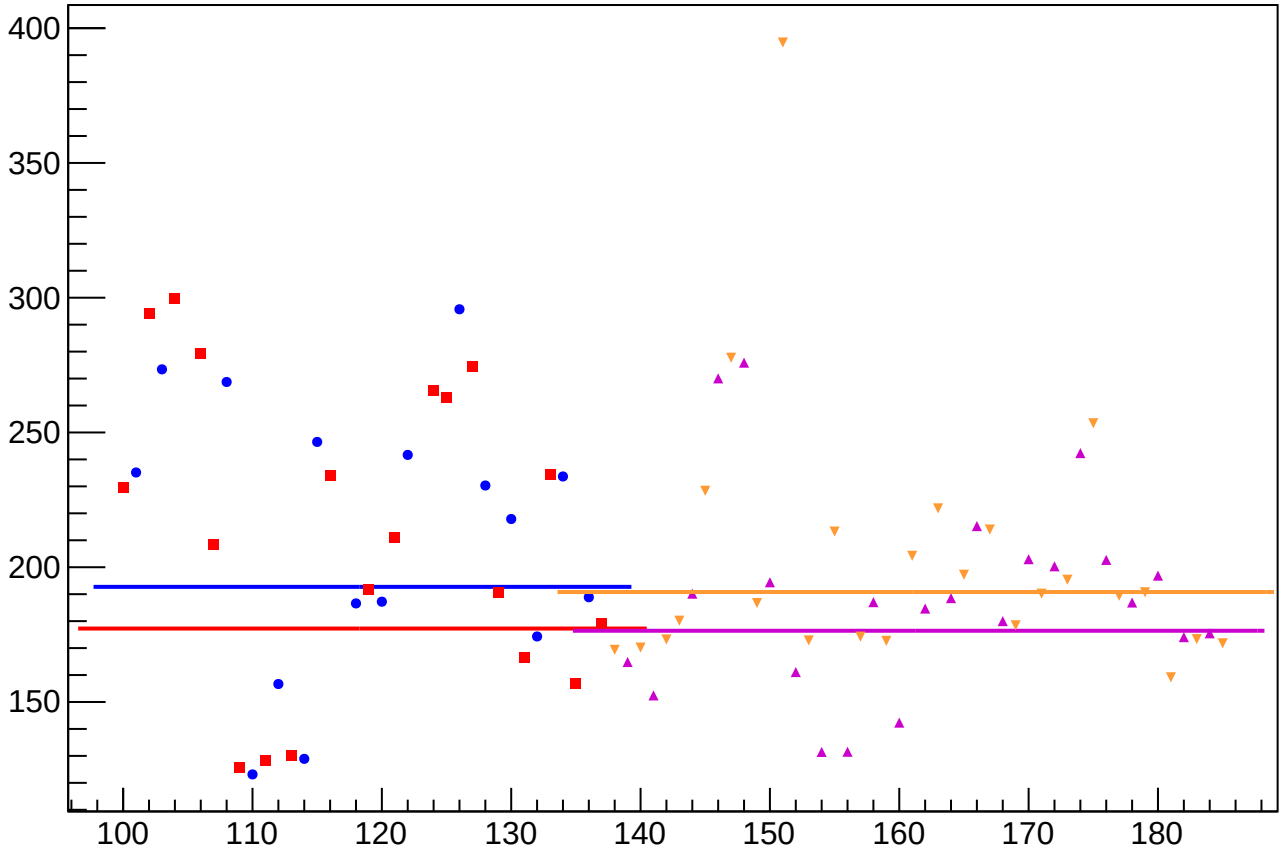
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 649.464+/-38.245 χ^2/NDF: 3003.5/40

All: 345.122+/-26.333 χ^2/NDF: 5693.4/82

- 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: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

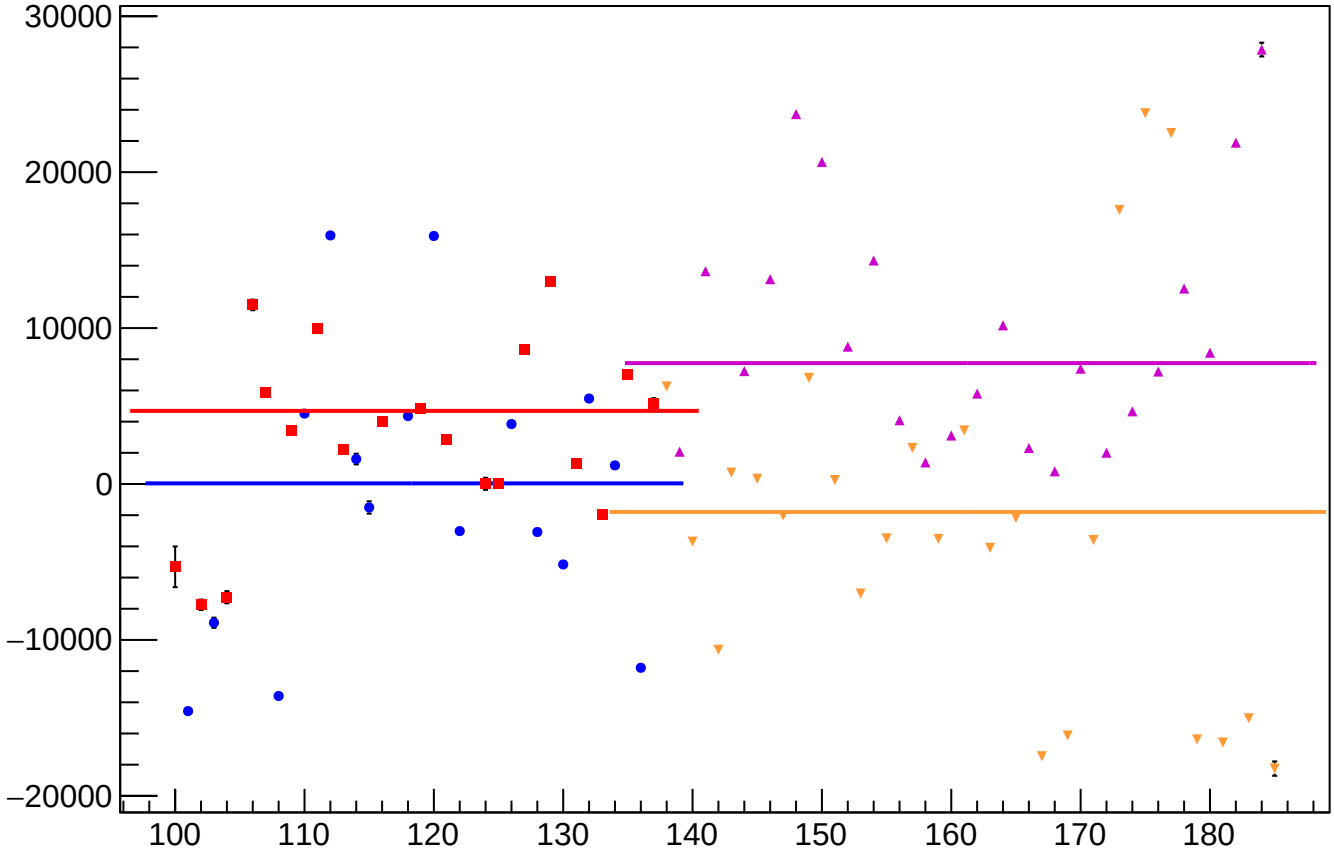
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 191.301+/-0.027 χ^2/NDF: 1779714.1/40

All: 183.601+/-0.019 χ^2/NDF: 4417944.9/82

- 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: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

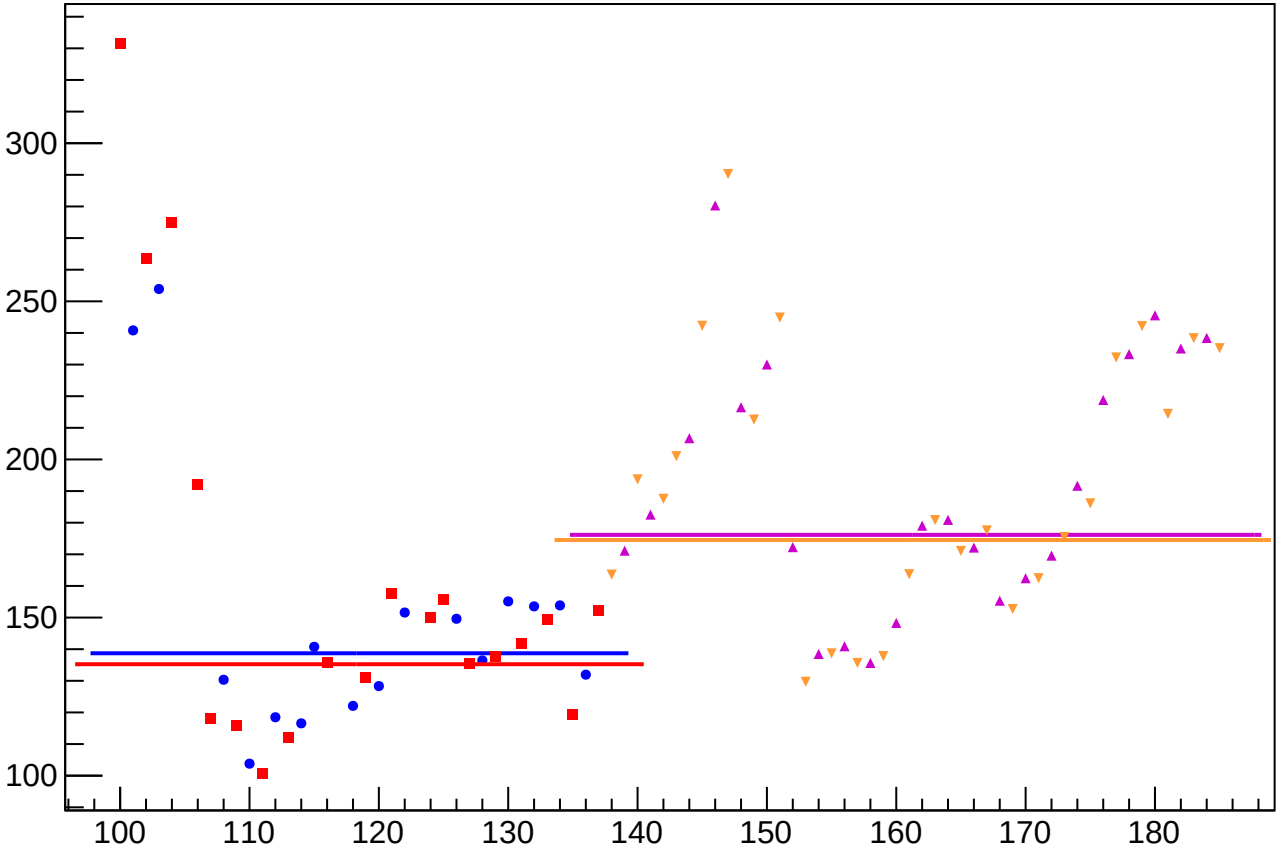
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1125.646+/-32.652 χ^2/NDF: 97259.4/40

All: 2664.453+/-23.198 χ^2/NDF: 157613.5/82

- 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: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

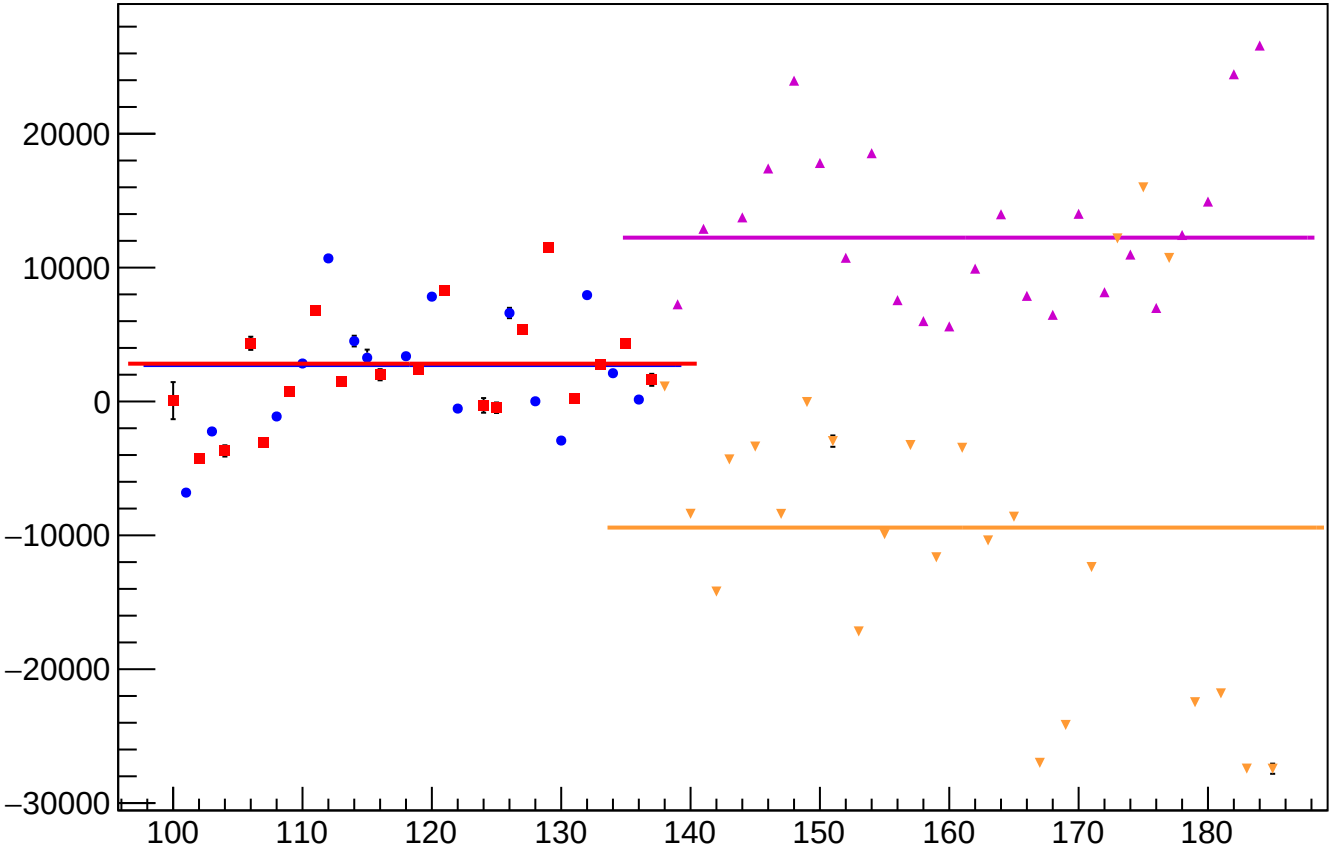
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.524+/-0.023 χ^2/NDF: 2873416.1/40

All: 160.657+/-0.016 χ^2/NDF: 5872850.1/82

- 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: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

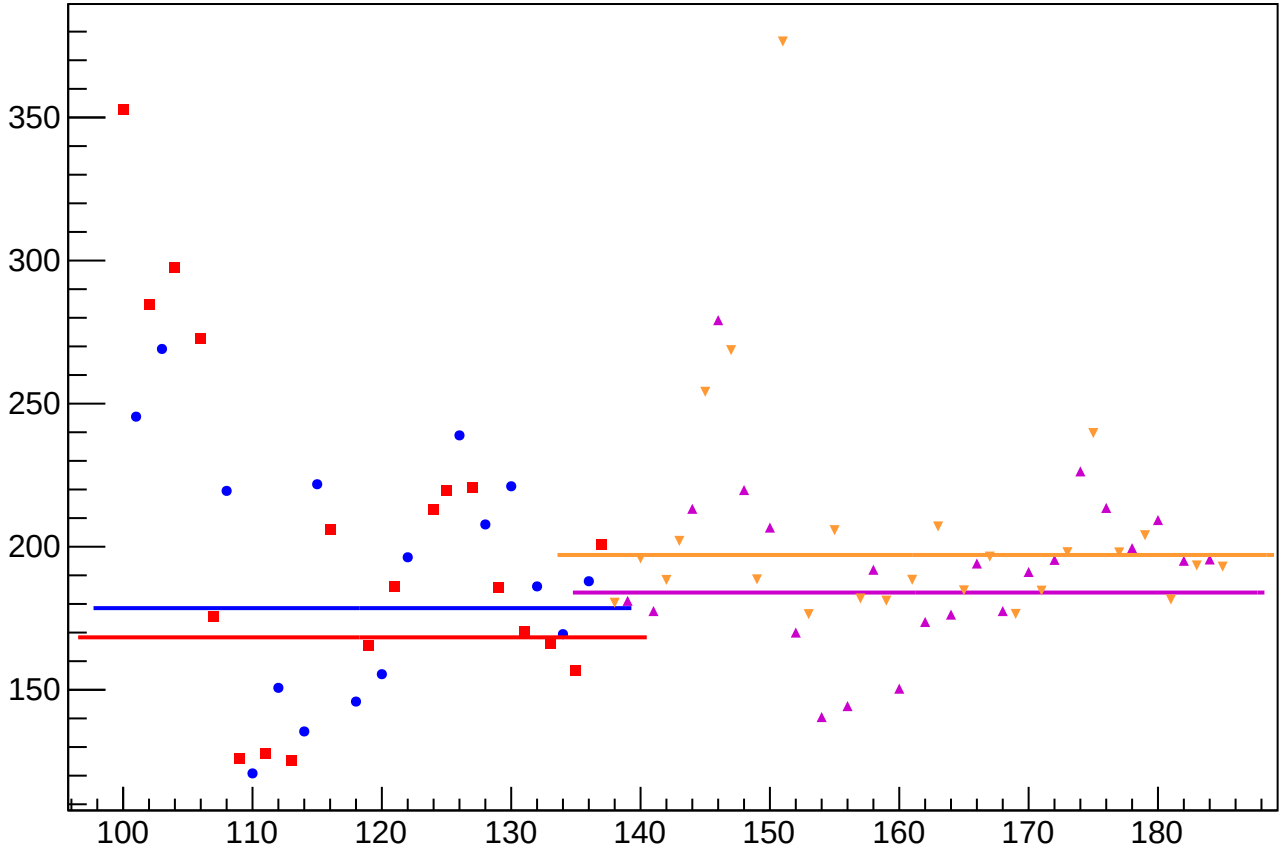
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -5737.117+/-38.141 χ^2/NDF: 90259.3/40

All: 2083.036+/-26.378 χ^2/NDF: 204310.5/82

- 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: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

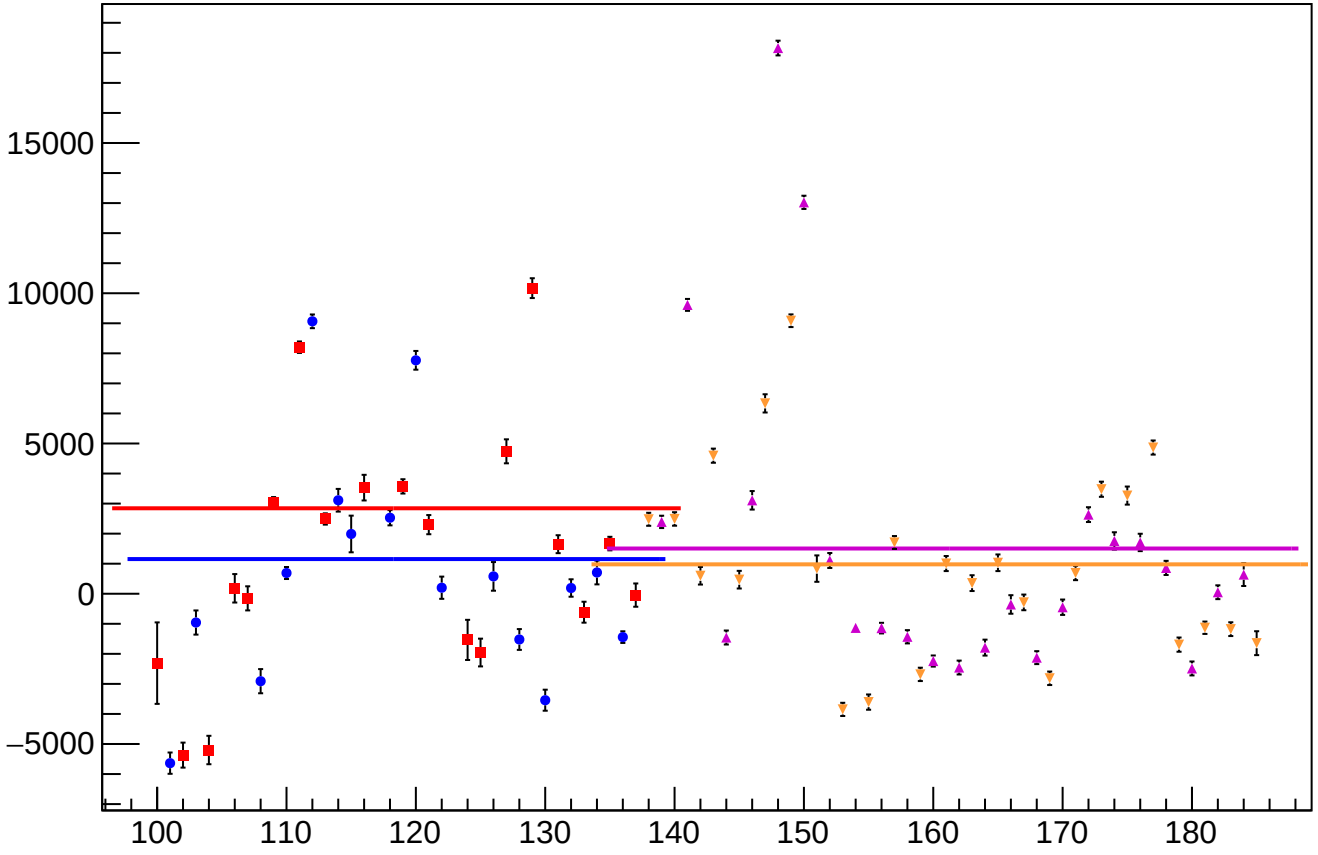
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.485+/-0.027 χ^2/NDF: 1507413.8/40

All: 184.983+/-0.019 χ^2/NDF: 3507630.8/82

- 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: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

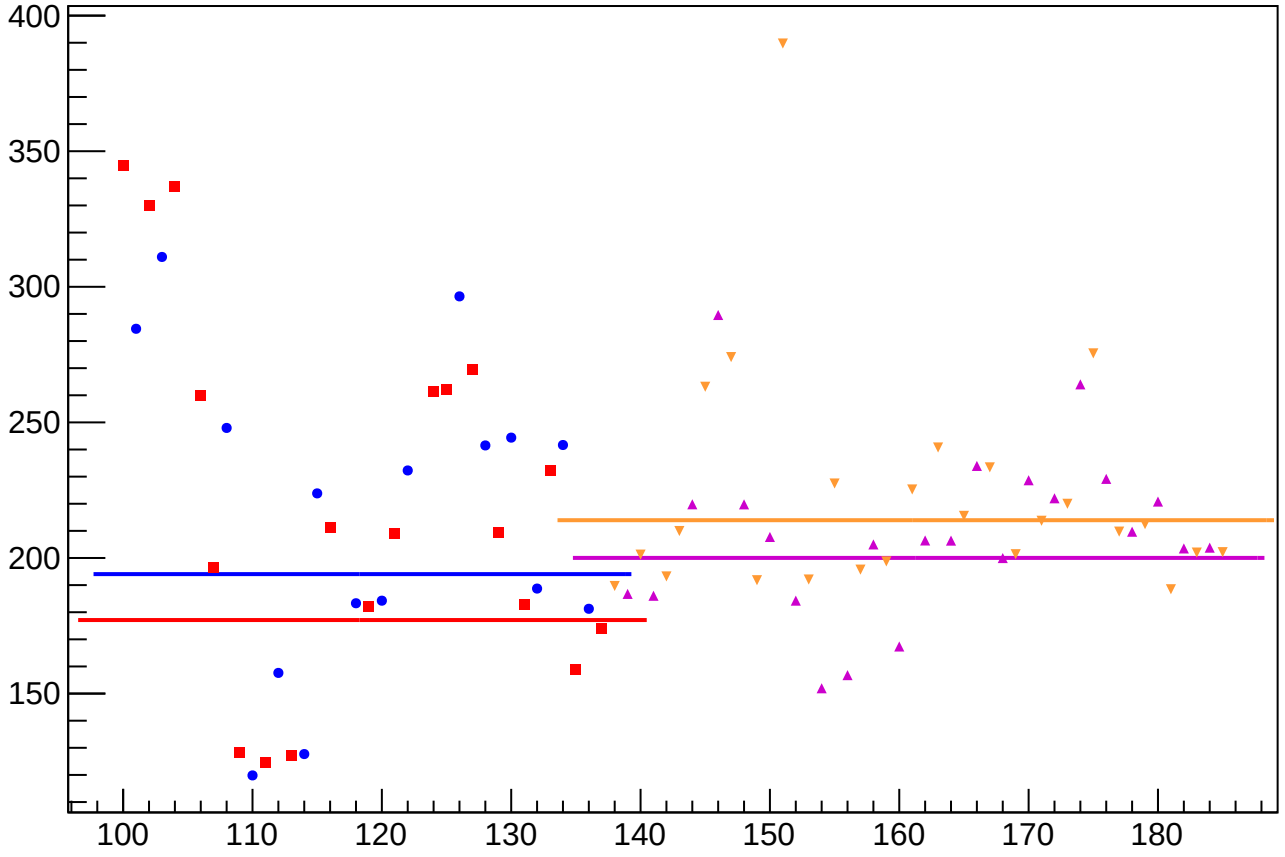
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1030.871+/-41.534 χ^2/NDF: 6982.0/40

All: 1509.323+/-28.606 χ^2/NDF: 21421.1/82

- 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: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

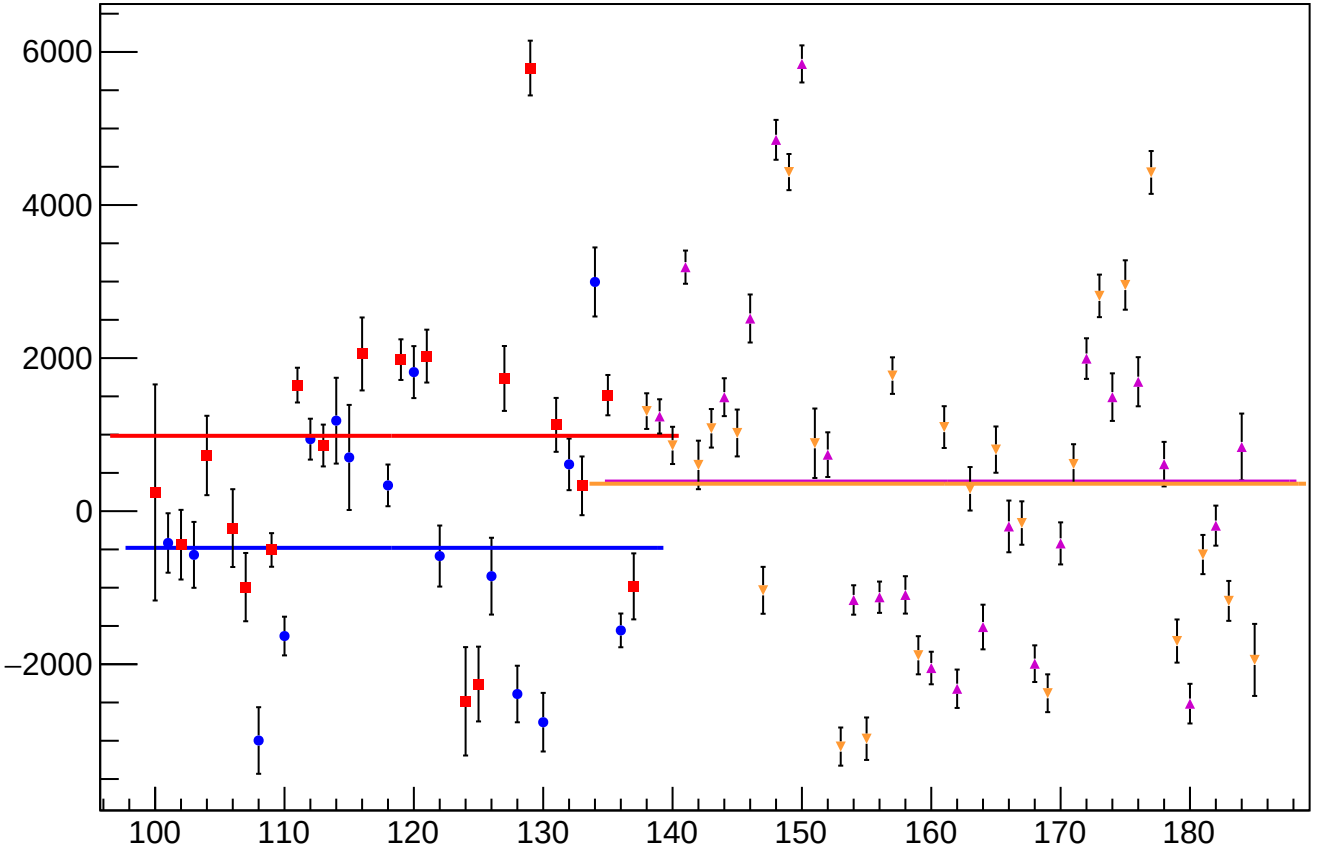
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 207.988+/-0.029 χ^2/NDF: 1795446.7/40

All: 199.882+/-0.020 χ^2/NDF: 4233376.6/82

- 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: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

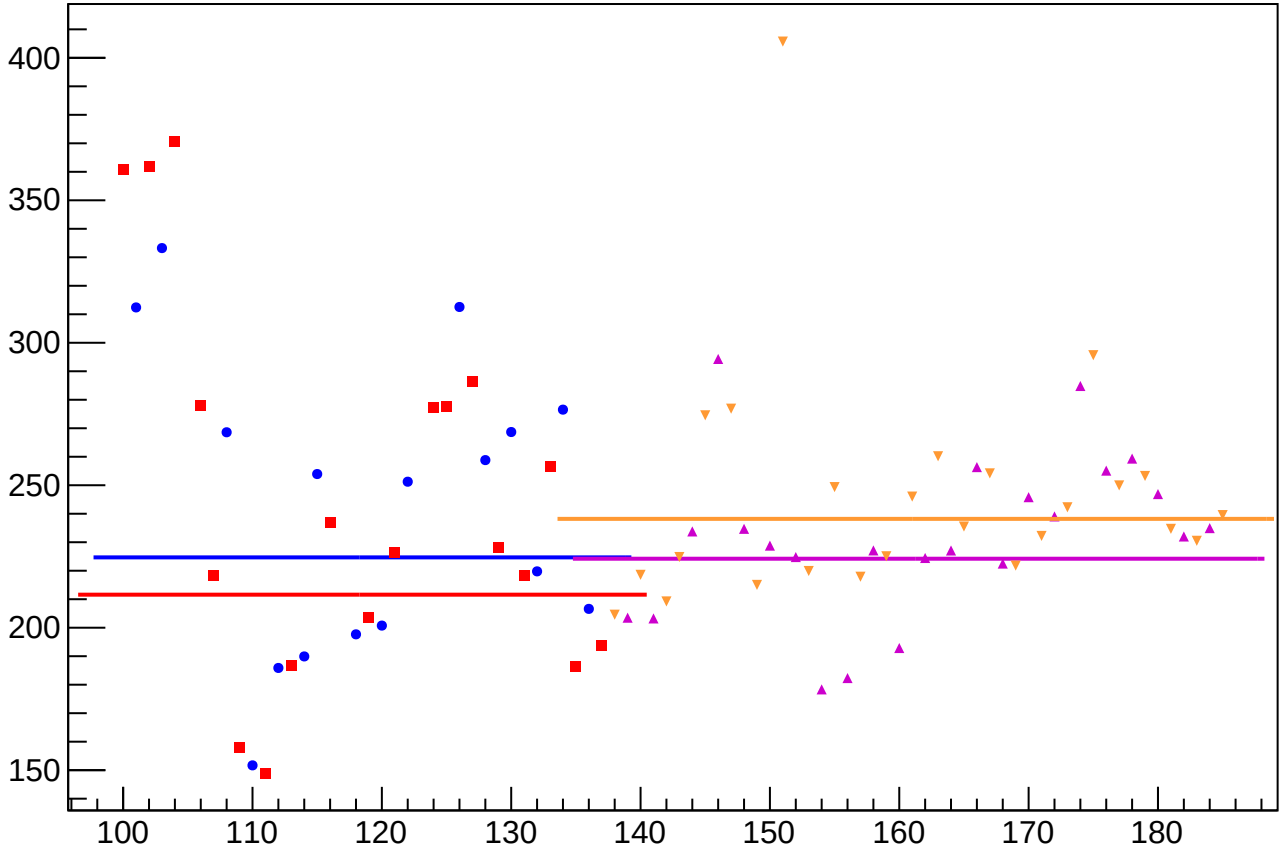
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign 118.214+/-46.436 χ^2/NDF: 1790.9/40

All: 352.318+/-32.185 χ^2/NDF: 4080.1/82

- 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: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

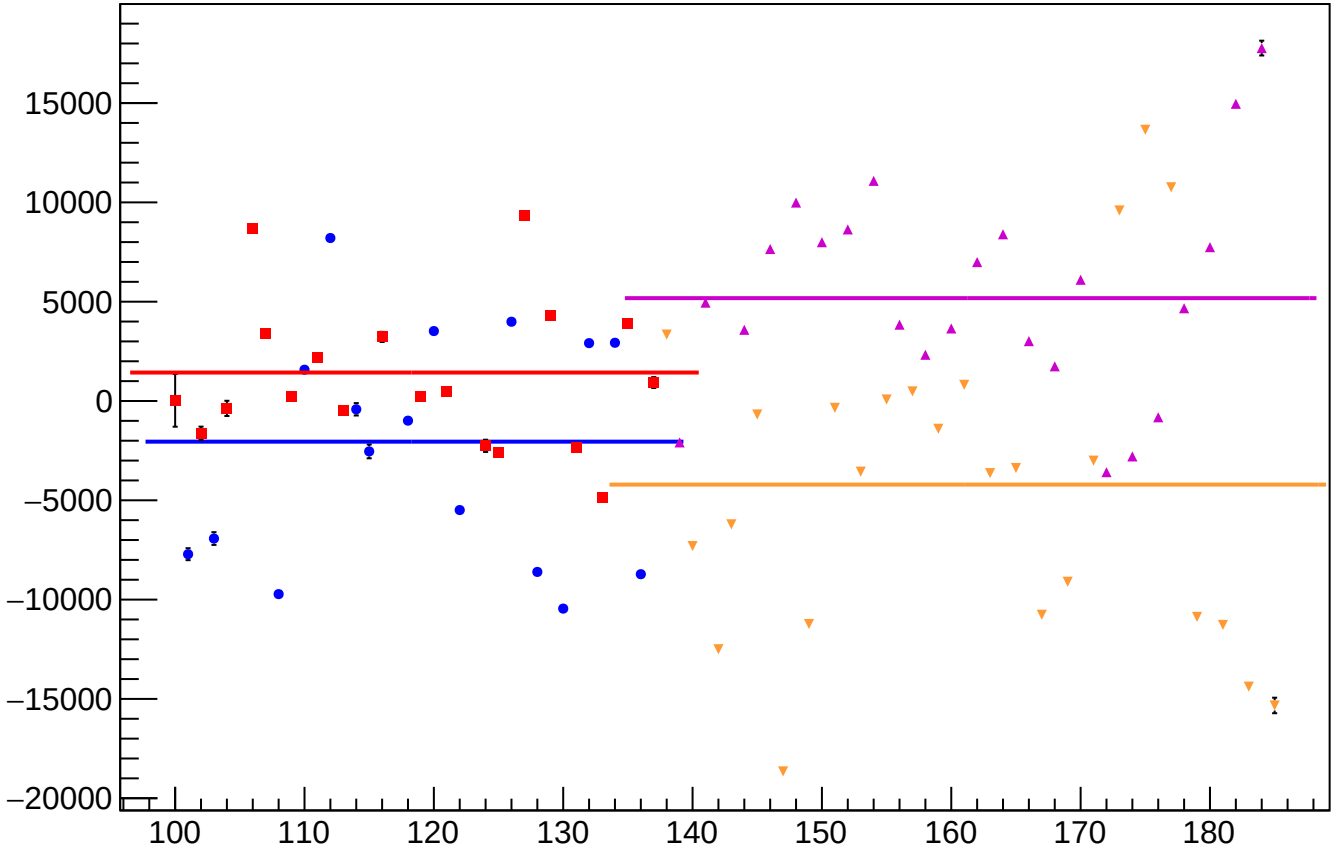
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.321+/-0.033 χ^2/NDF: 1255801.5/40

All: 227.073+/-0.023 χ^2/NDF: 2879495.7/82

- 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: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

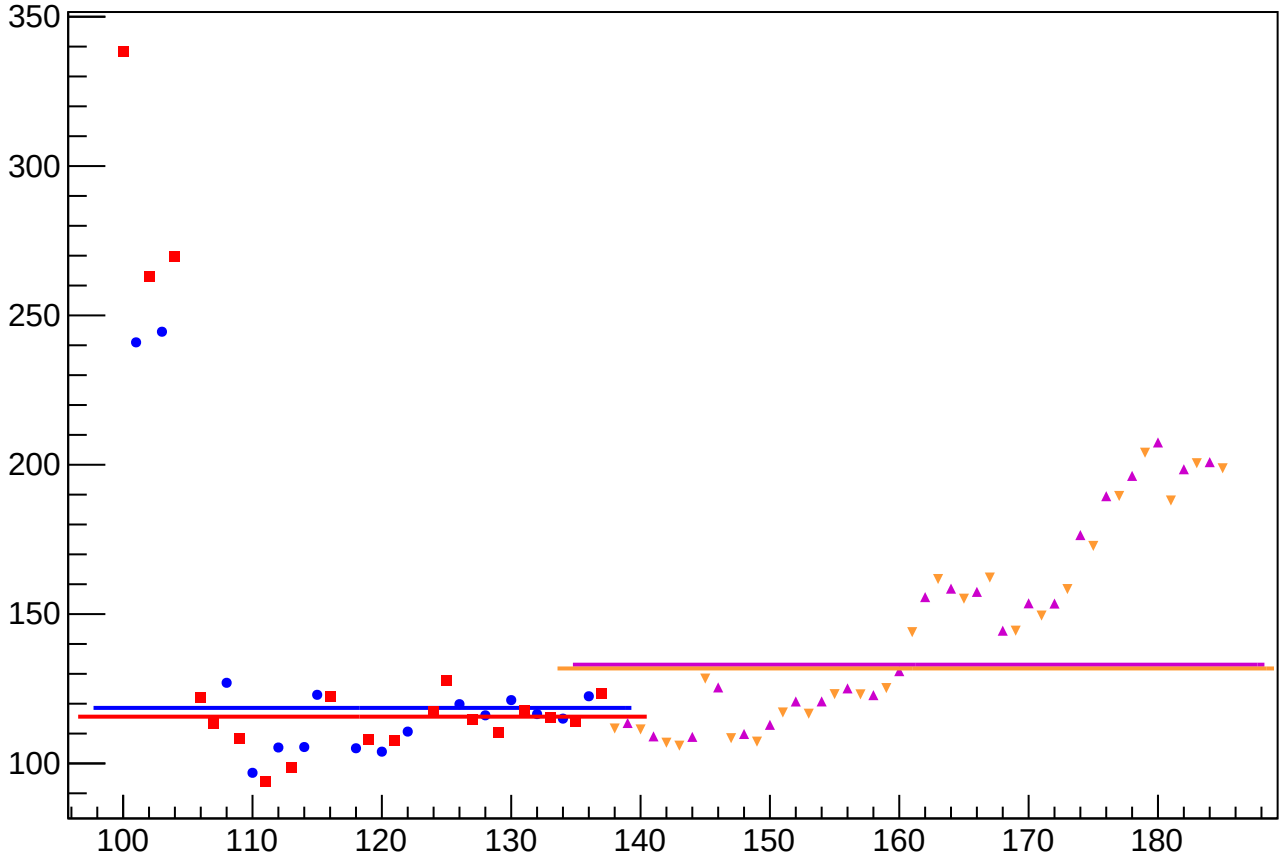
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3554.428+/-25.732 χ^2/NDF: 75005.4/40

All: 138.692+/-18.292 χ^2/NDF: 146220.2/82

- 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: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

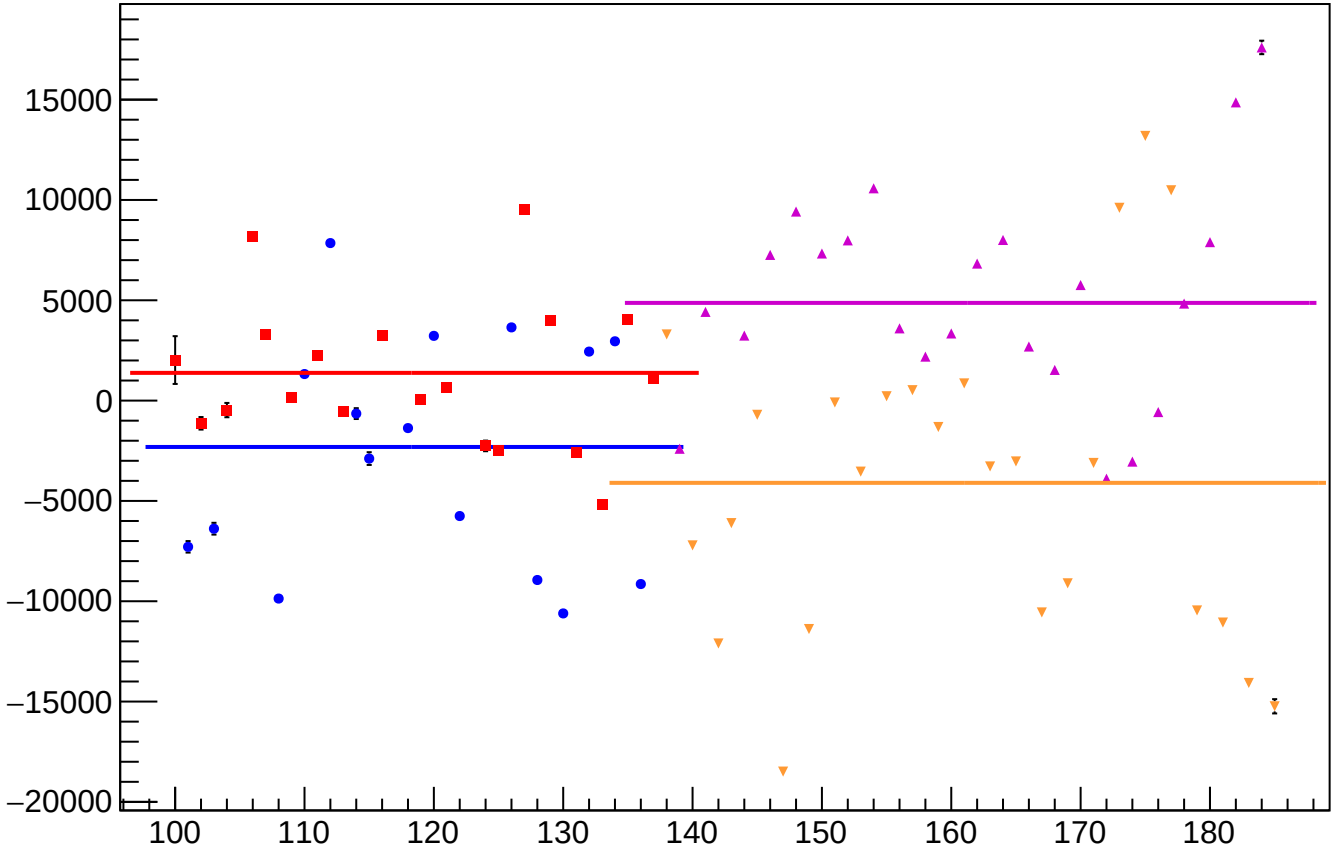
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.793+/-0.018 χ^2/NDF: 2389745.5/40

All: 127.489+/-0.013 χ^2/NDF: 4873131.9/82

- 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: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

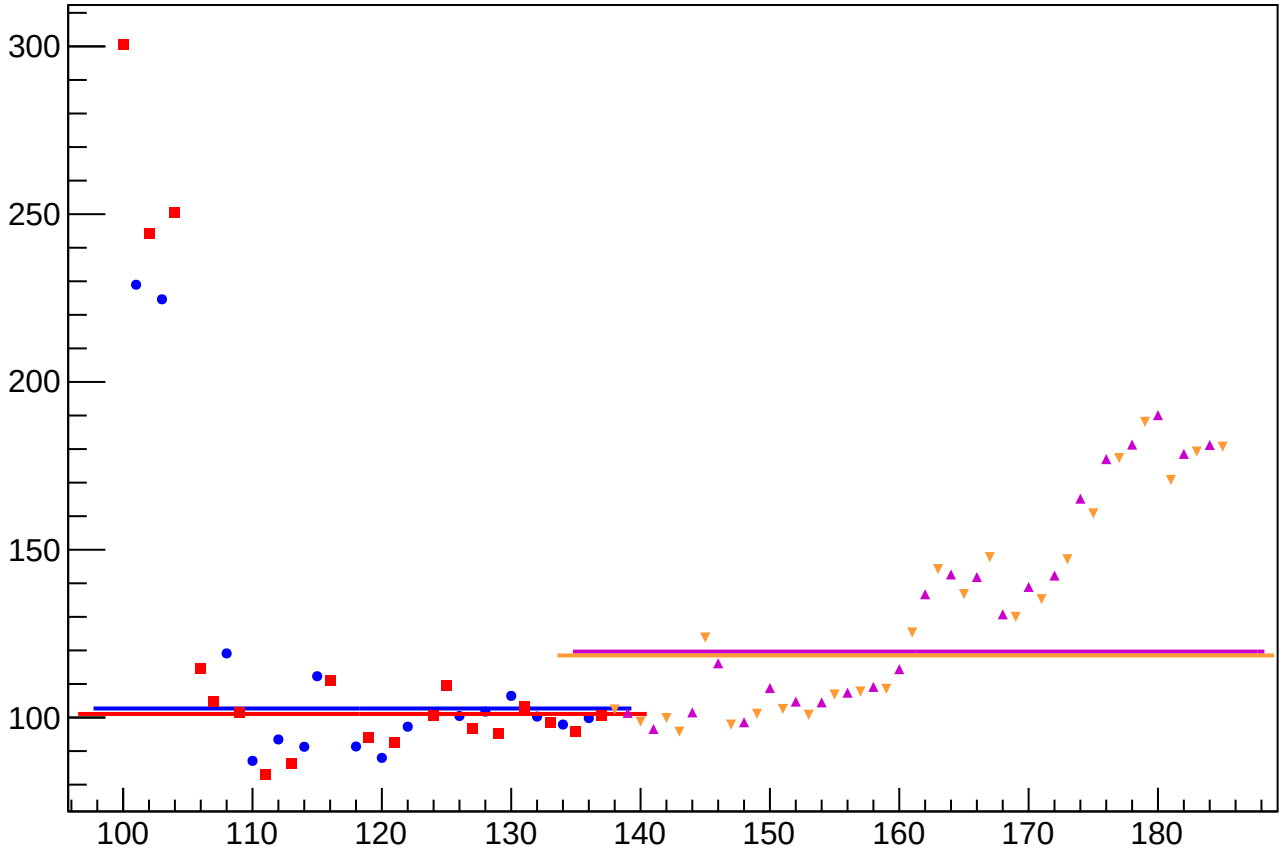
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -3531.434+/-22.946 χ^2/NDF: 89266.6/40

All: 14.248+/-16.329 χ^2/NDF: 173251.6/82

- 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: 118.502+/-0.020 χ^2/NDF:1627138.9/24

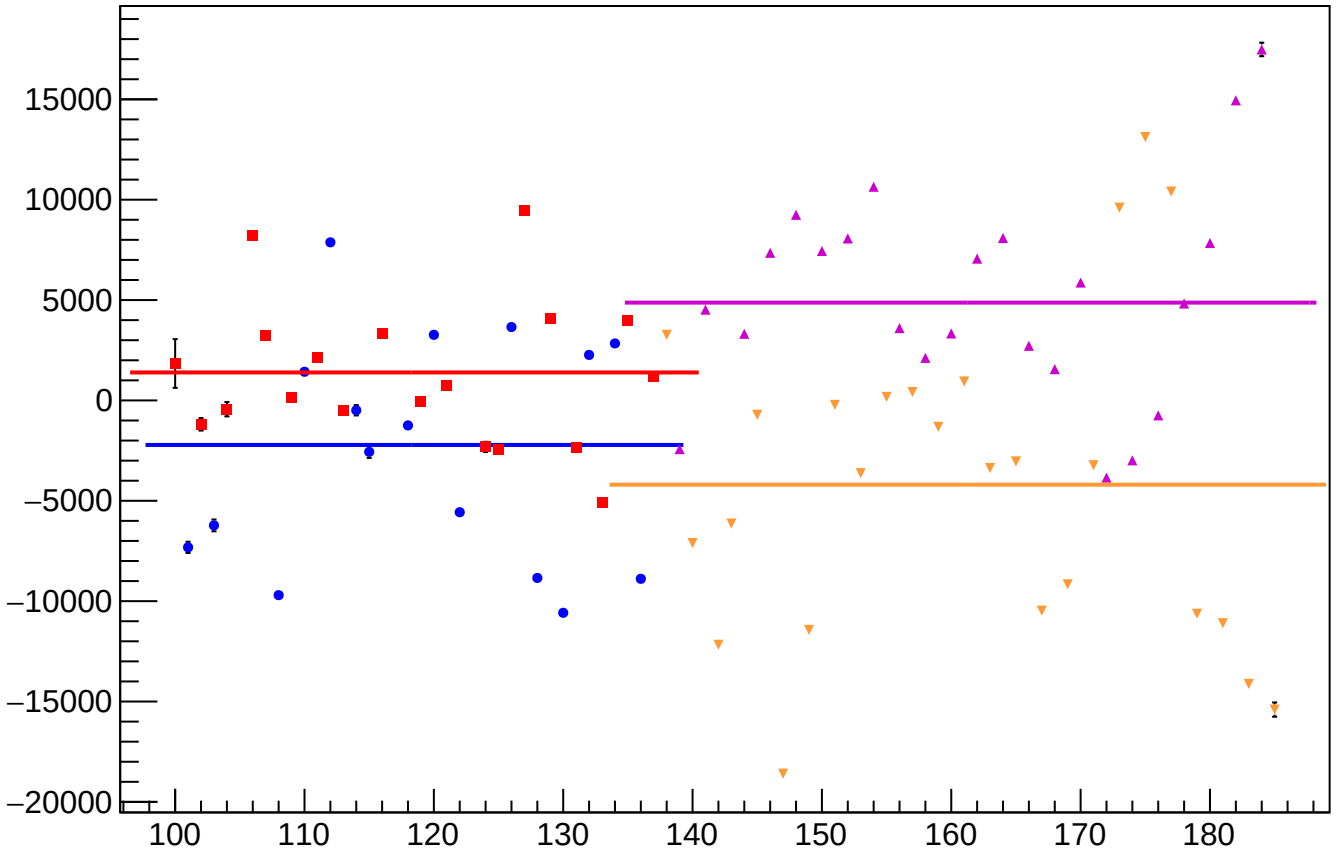
Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 113.486+/-0.016 χ^2/NDF: 2658566.1/40

All: 113.324+/-0.012 χ^2/NDF: 5392028.3/82

- sign 113.159+/-0.016 χ^2/NDF: 2733262.2/41



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

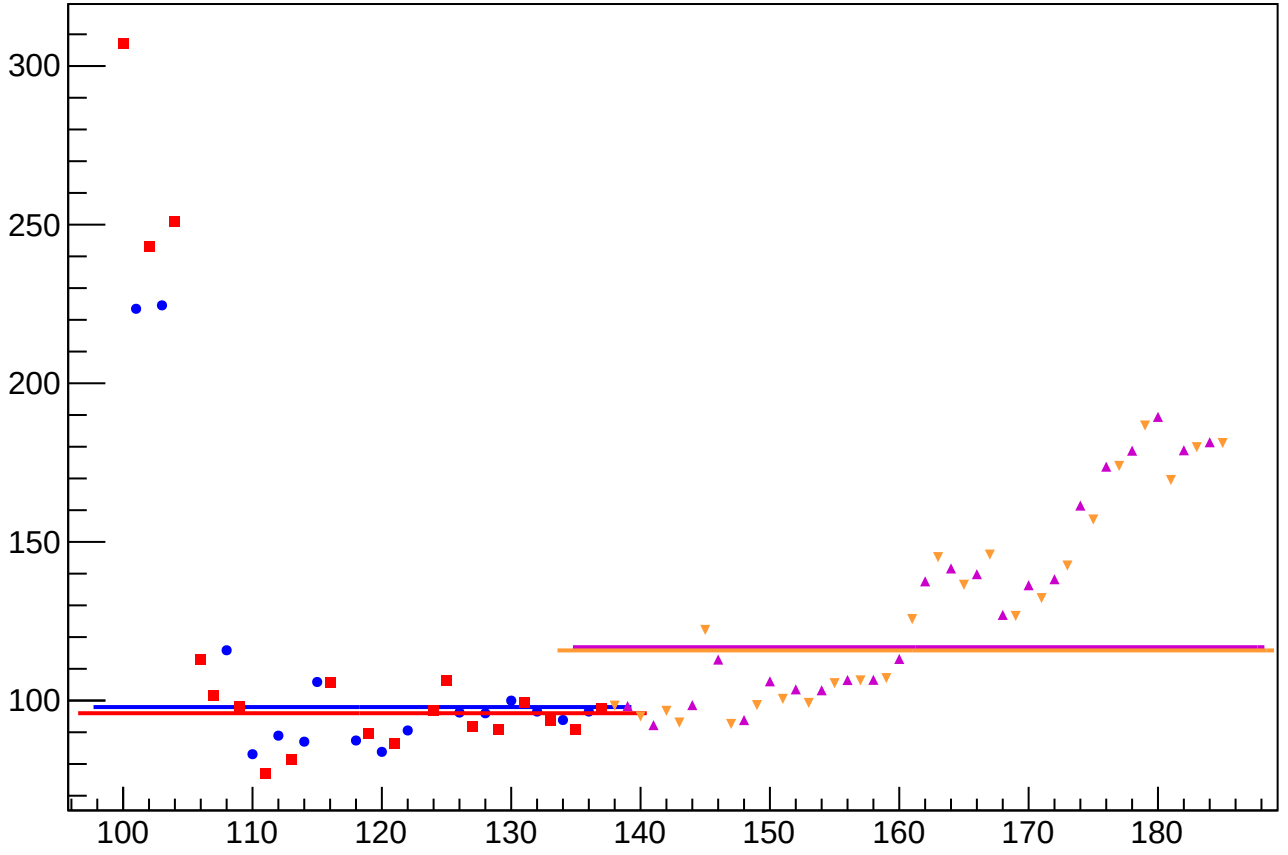
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -3550.207+/-22.323 χ^2/NDF: 95186.3/40

All: -2.476+/-15.866 χ^2/NDF: 183791.3/82

- 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: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

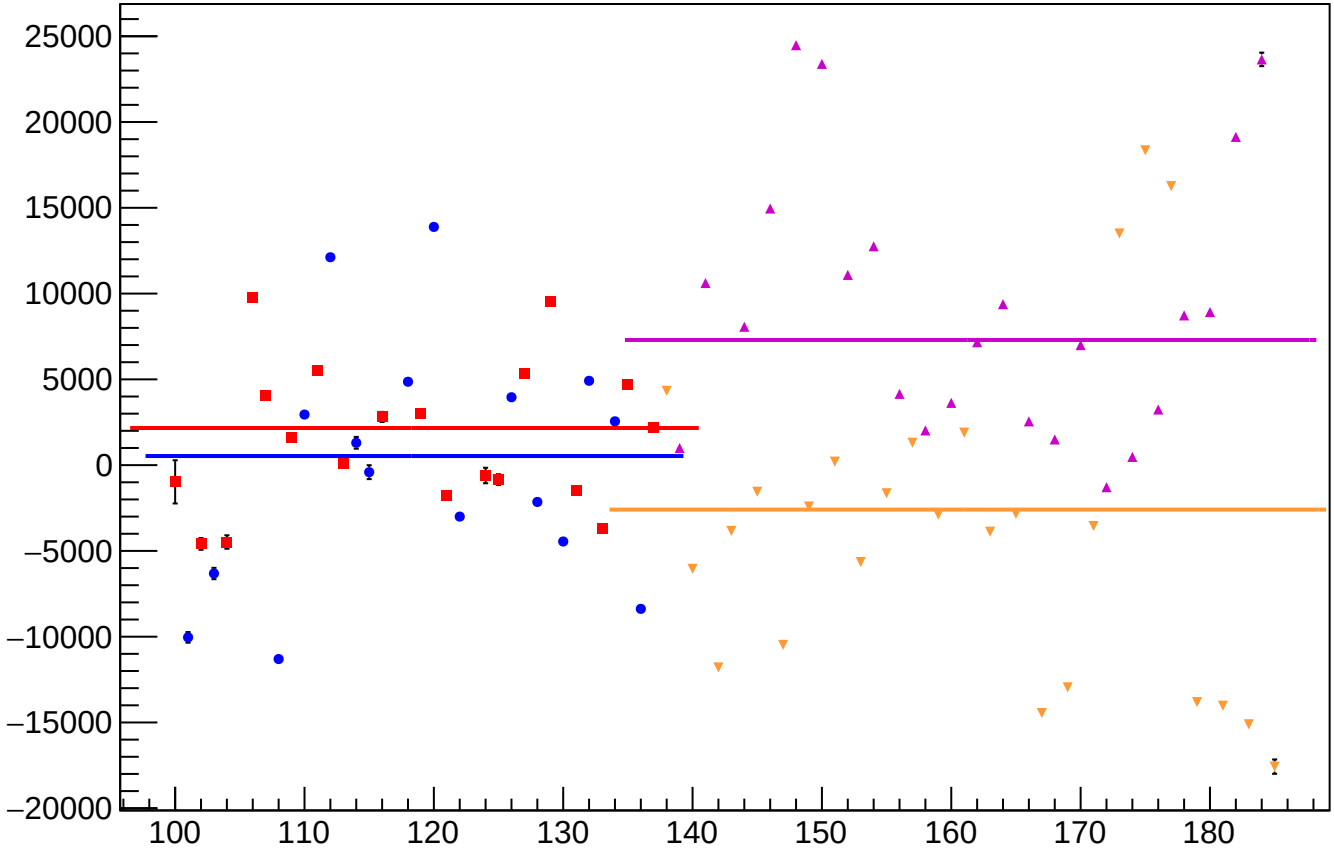
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 109.960+/-0.016 χ^2/NDF: 2898719.0/40

All: 109.640+/-0.011 χ^2/NDF: 5921596.4/82

- sign 109.314+/-0.016 χ^2/NDF: 3022048.3/41

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

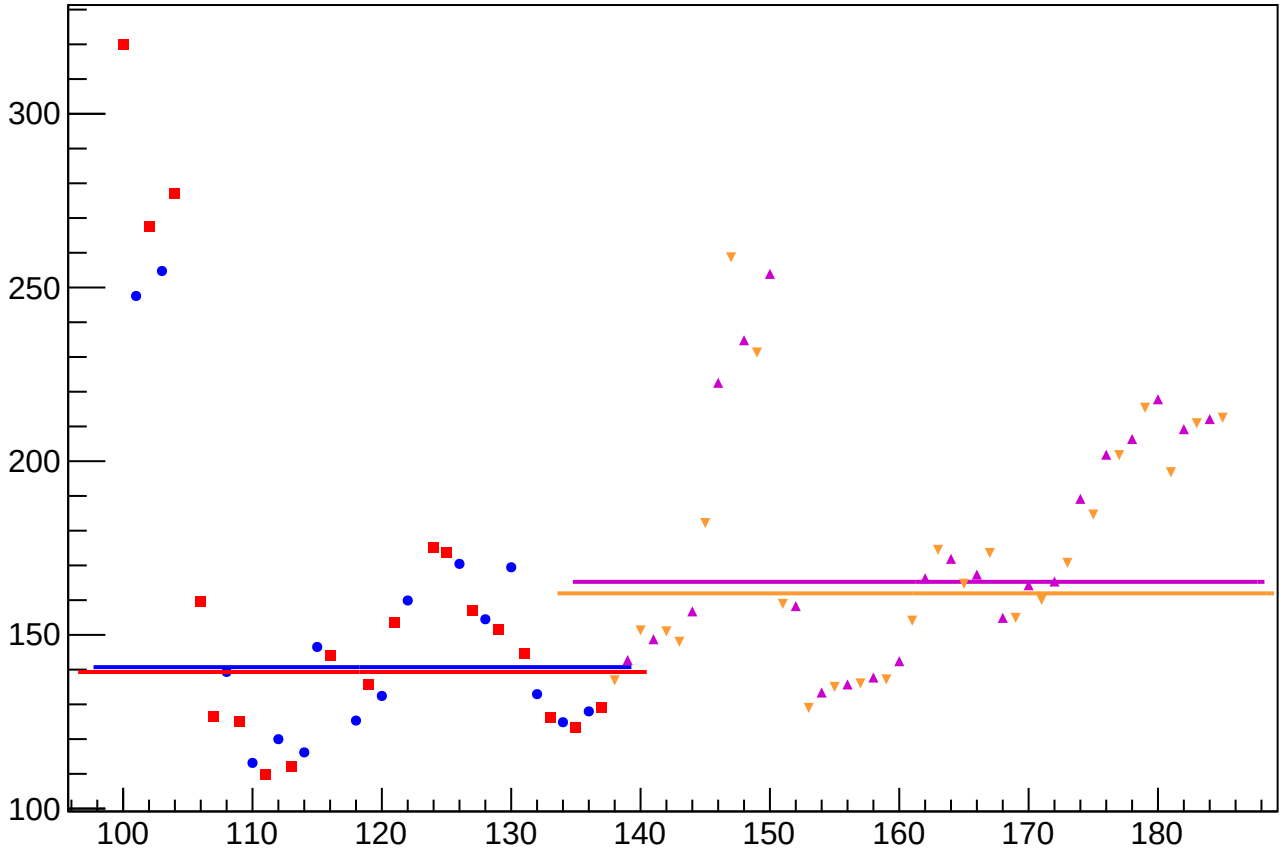
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -1591.879+/-31.038 χ^2/NDF: 68784.4/40

All: 1857.240+/-22.214 χ^2/NDF: 129764.5/82

- 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: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

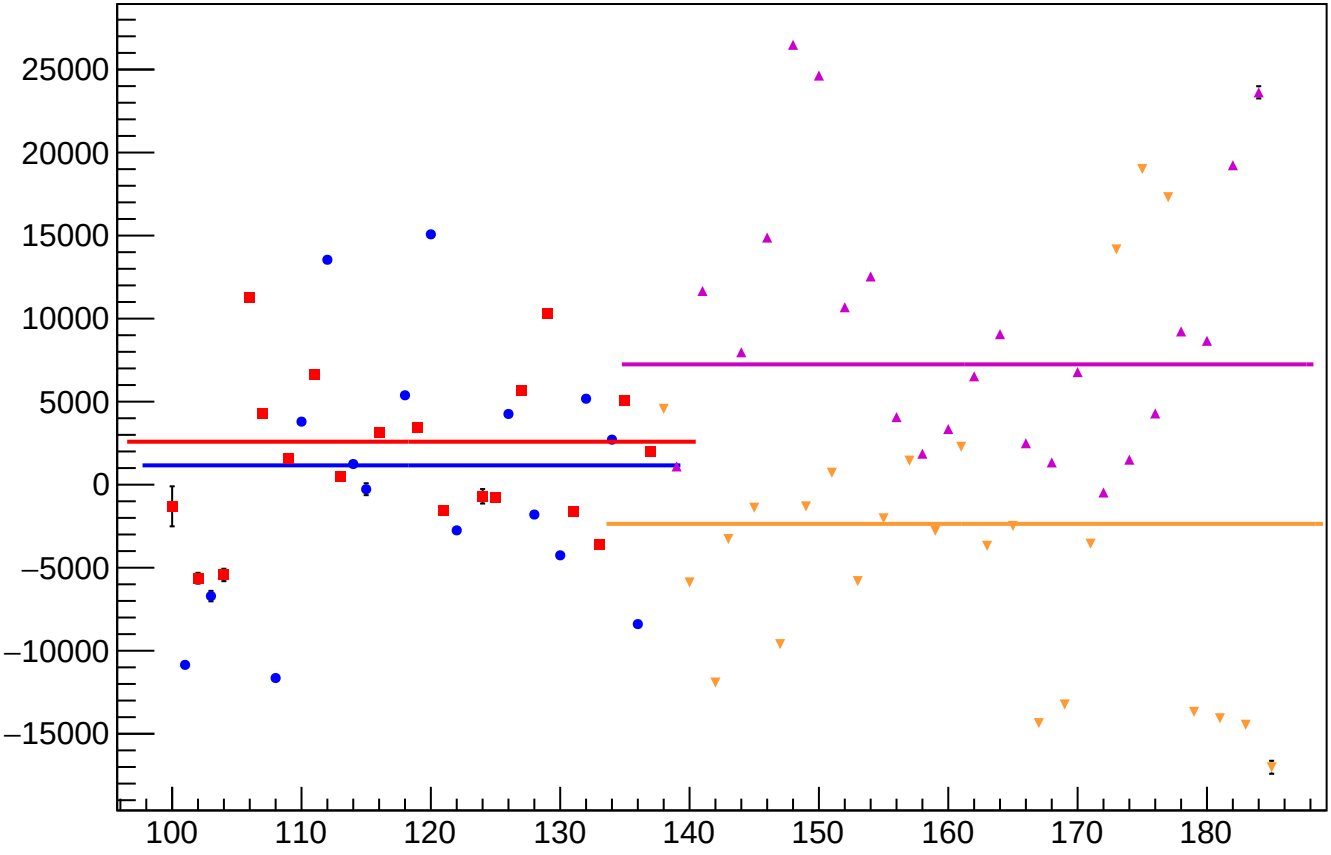
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 155.156+/-0.022 χ^2/NDF: 2024315.3/40

All: 155.609+/-0.016 χ^2/NDF: 4311153.2/82

- 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: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

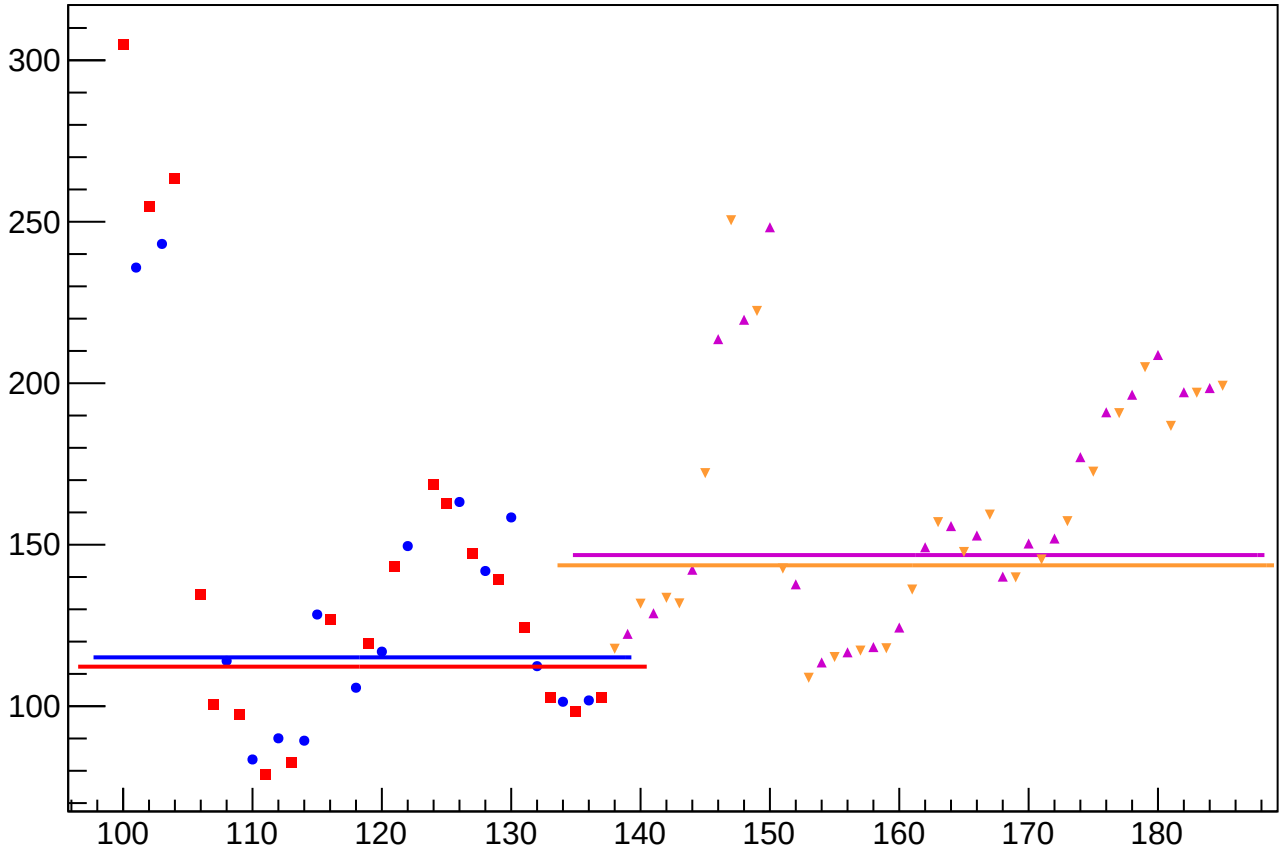
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign -1128.557+/-27.160 χ^2/NDF: 93148.4/40

All: 2082.176+/-19.392 χ^2/NDF: 166940.3/82

- 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: 143.622+/-0.024 χ^2/NDF:1662825.4/24

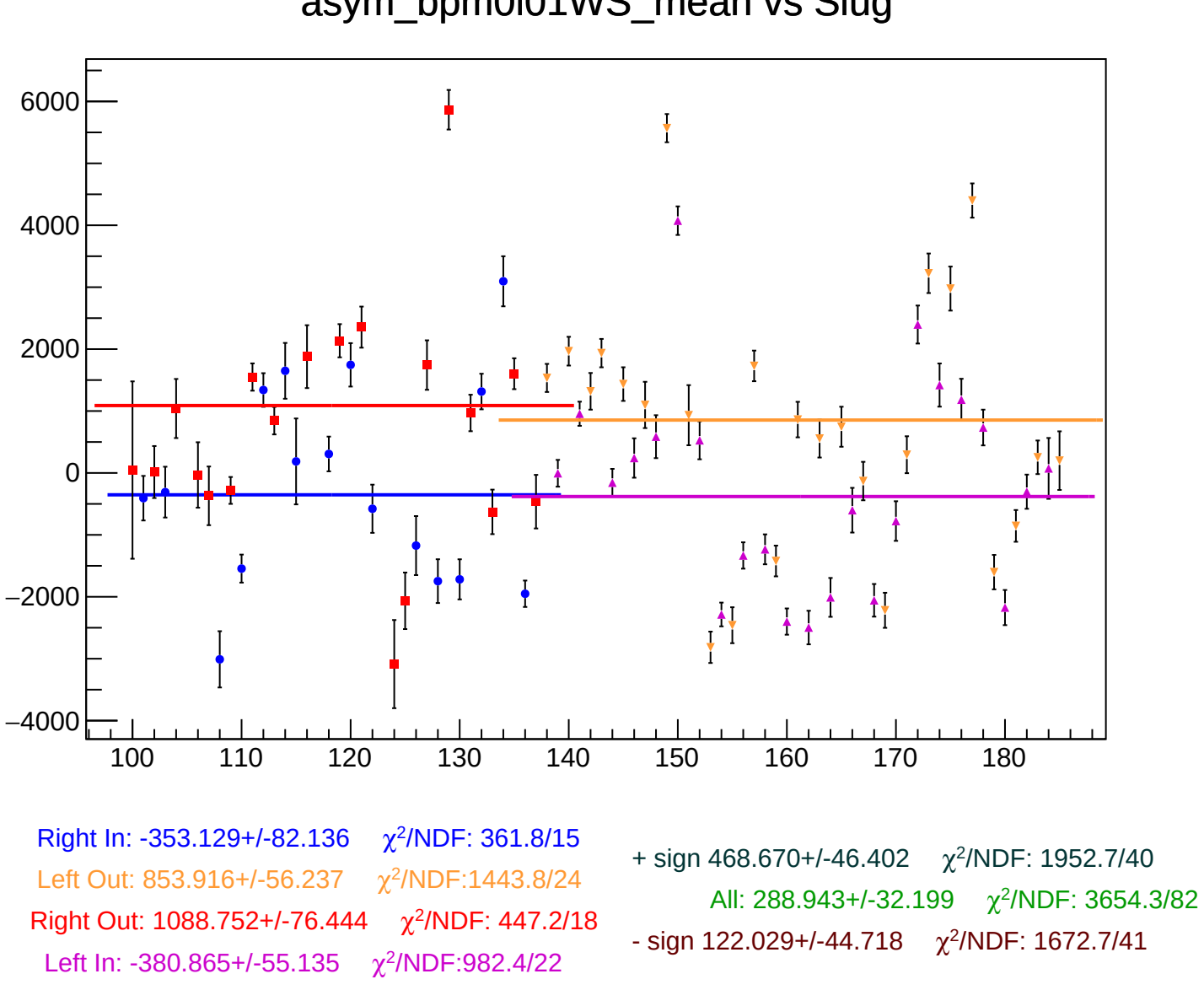
Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

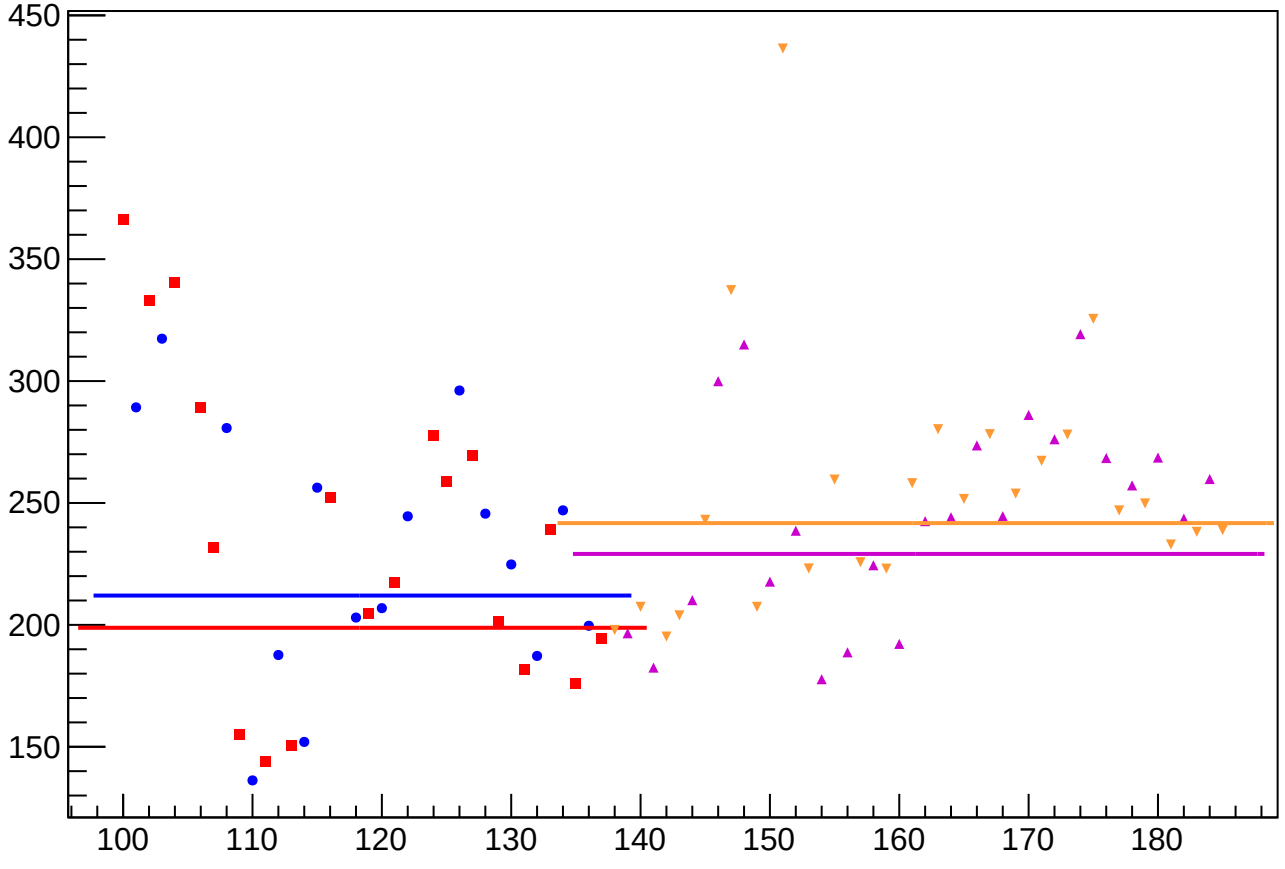
+ sign 133.657+/-0.019 χ^2/NDF: 3276480.8/40

All: 133.464+/-0.014 χ^2/NDF: 7041031.2/82

- sign 133.262+/-0.020 χ^2/NDF: 3764342.9/41


asym_bpm0l01WS_mean vs Slug
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -353.129+/-82.136 χ²/NDF: 361.8/15
Left Out: 853.916+/-56.237 χ²/NDF:1443.8/24
Right Out: 1088.752+/-76.444 χ²/NDF: 447.2/18
Left In: -380.865+/-55.135 χ²/NDF:982.4/22
+ sign 468.670+/-46.402 χ²/NDF: 1952.7/40
All: 288.943+/-32.199 χ²/NDF: 3654.3/82
- sign 122.029+/-44.718 χ²/NDF: 1672.7/41

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

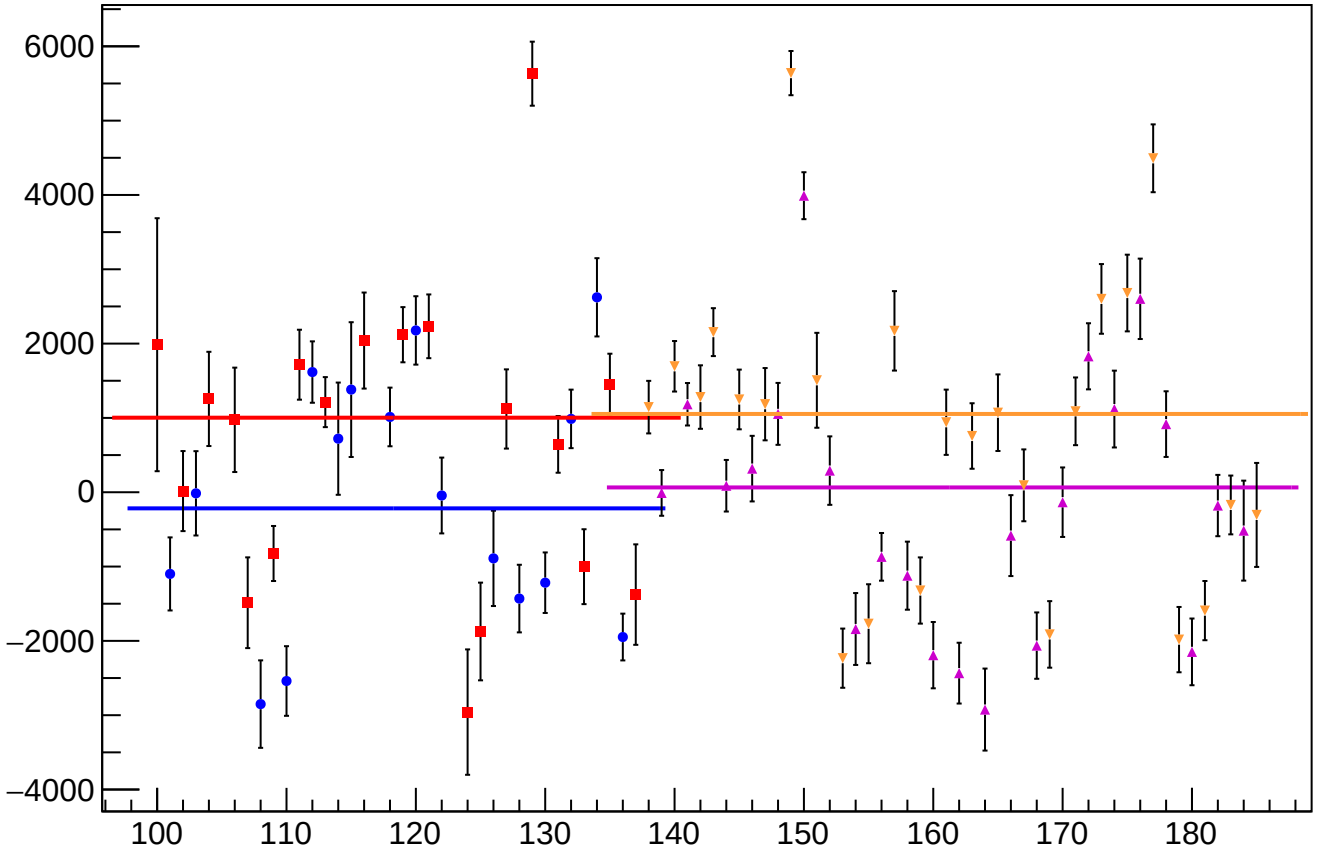
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.261+/-0.033 χ^2/NDF: 1855011.2/40

All: 225.249+/-0.023 χ^2/NDF: 4193594.2/82

- 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: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

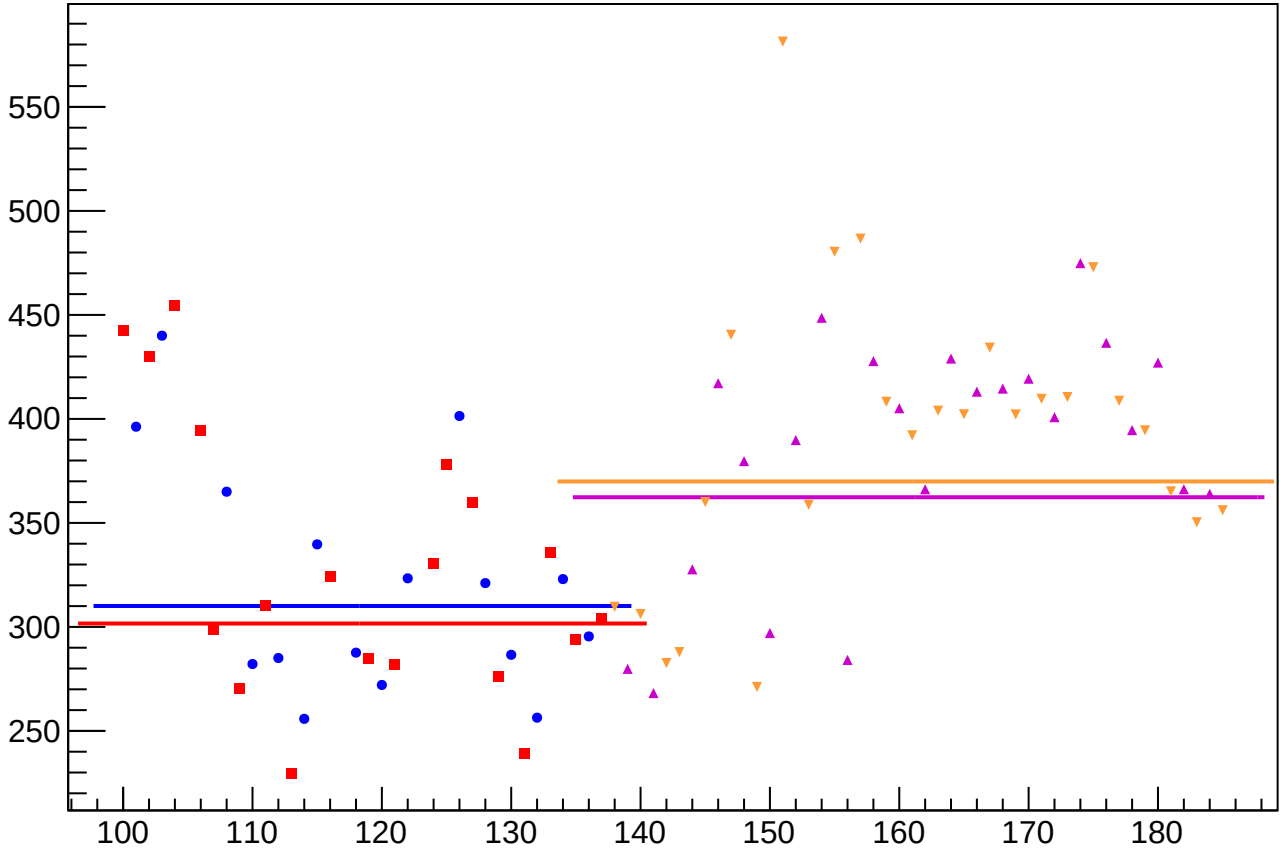
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

\+ sign 612.831+/-69.422 χ^2/NDF: 882.7/40

All: 511.365+/-48.864 χ^2/NDF: 1579.0/82

\- 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: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

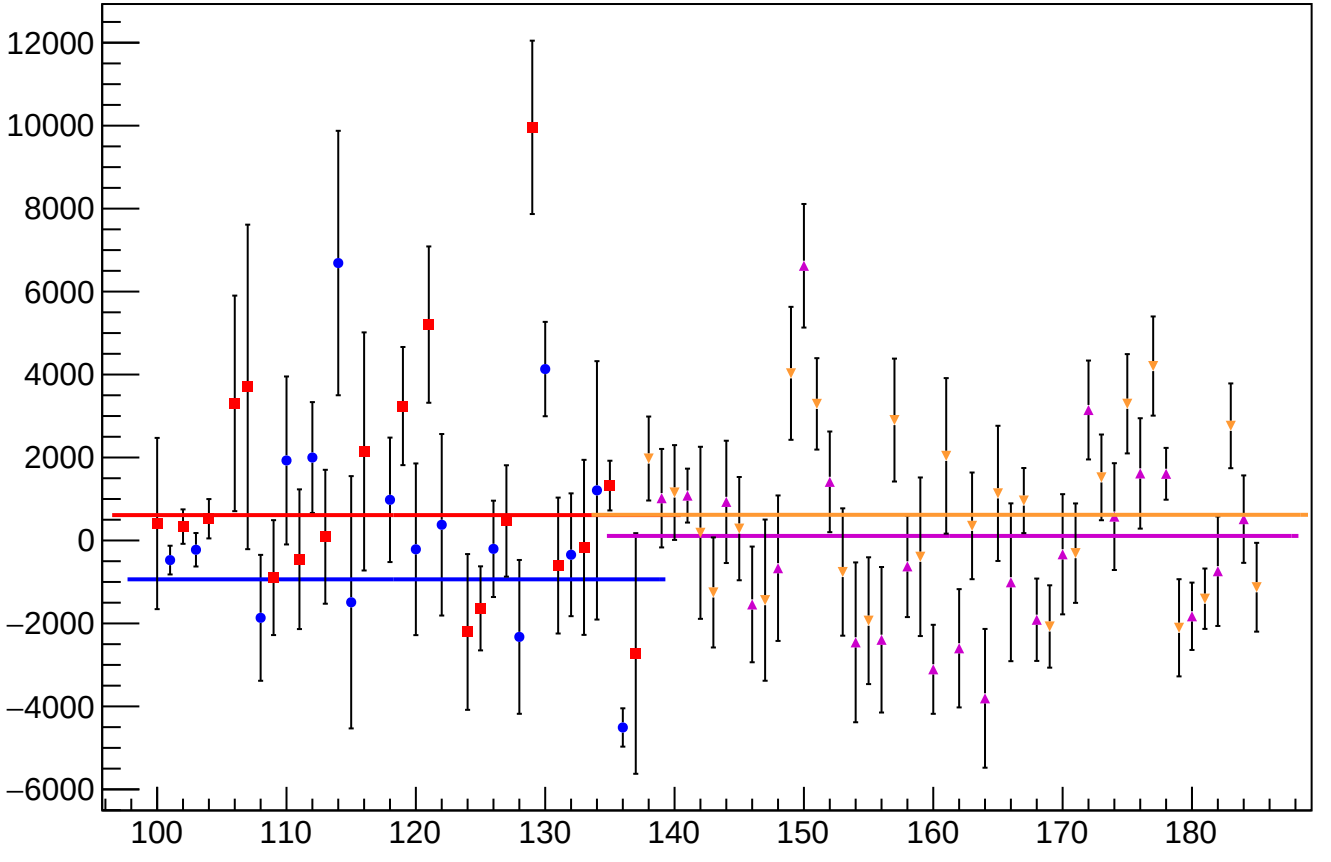
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 349.164+/-0.049 χ^2/NDF: 1890443.8/40

All: 344.484+/-0.035 χ^2/NDF: 3844727.4/82

- 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: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

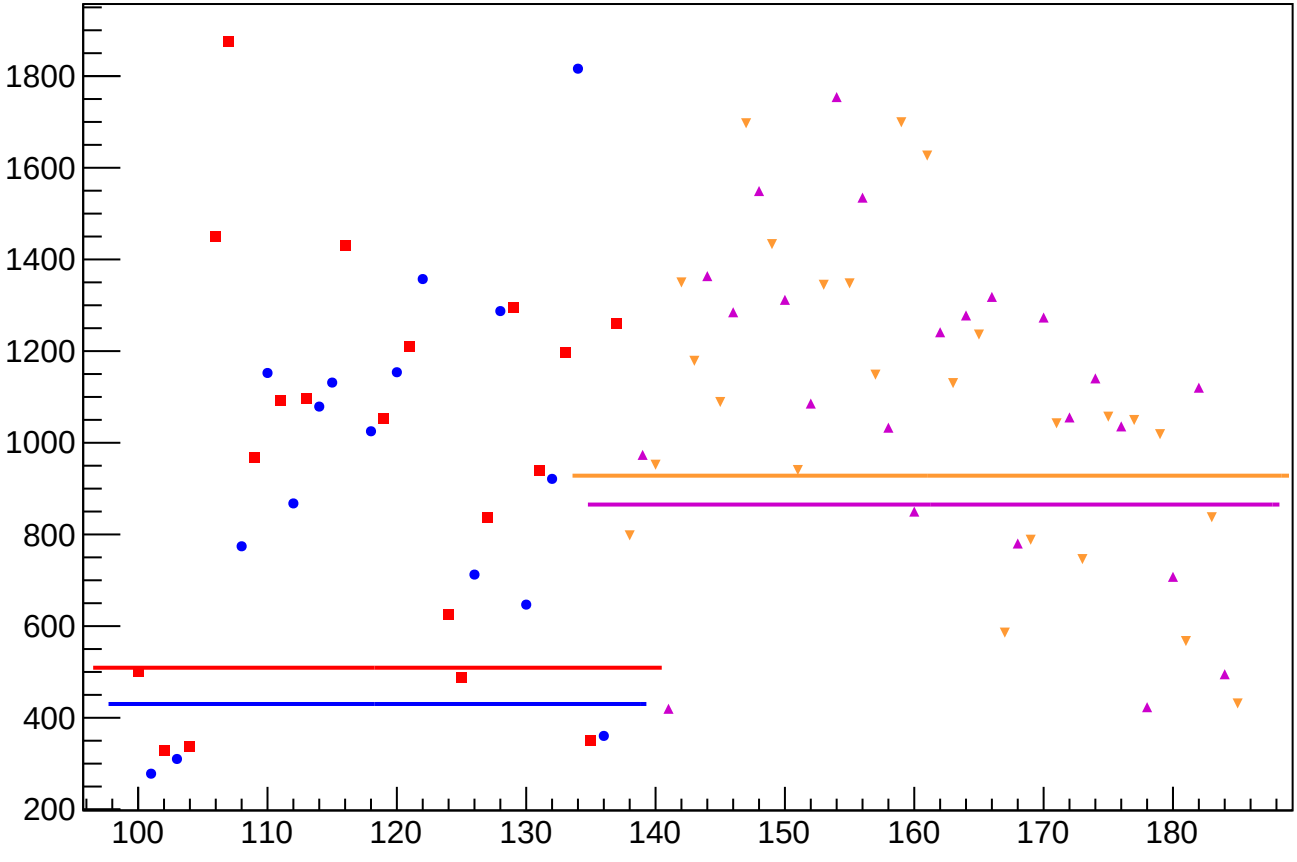
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -275.968+/-155.243 χ^2/NDF: 191.5/40

All: 22.411+/-113.541 χ^2/NDF: 317.5/82

- 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: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

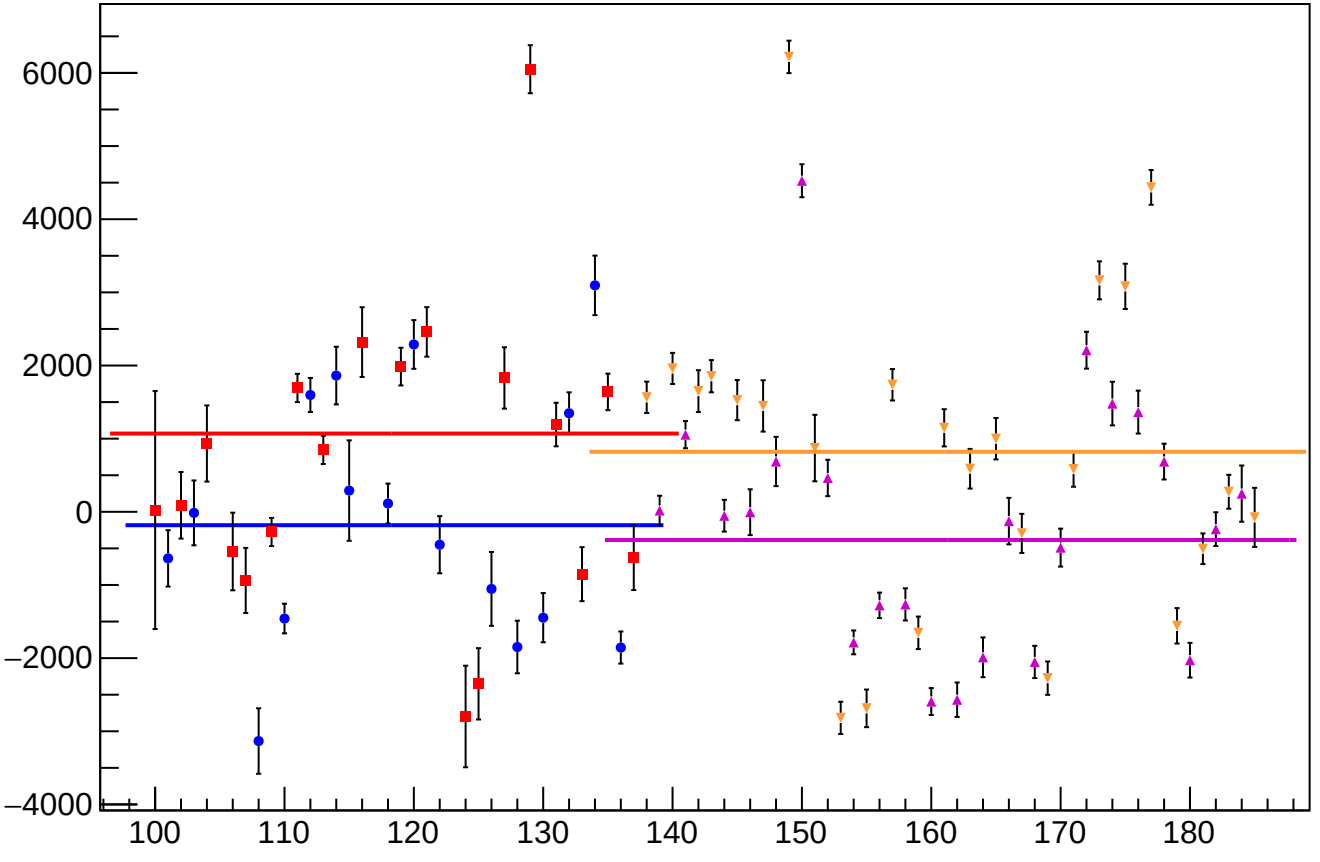
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 641.783+/-0.110 χ^2/NDF: 11848459.9/40

All: 661.273+/-0.080 χ^2/NDF: 22667400.5/82

- 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: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

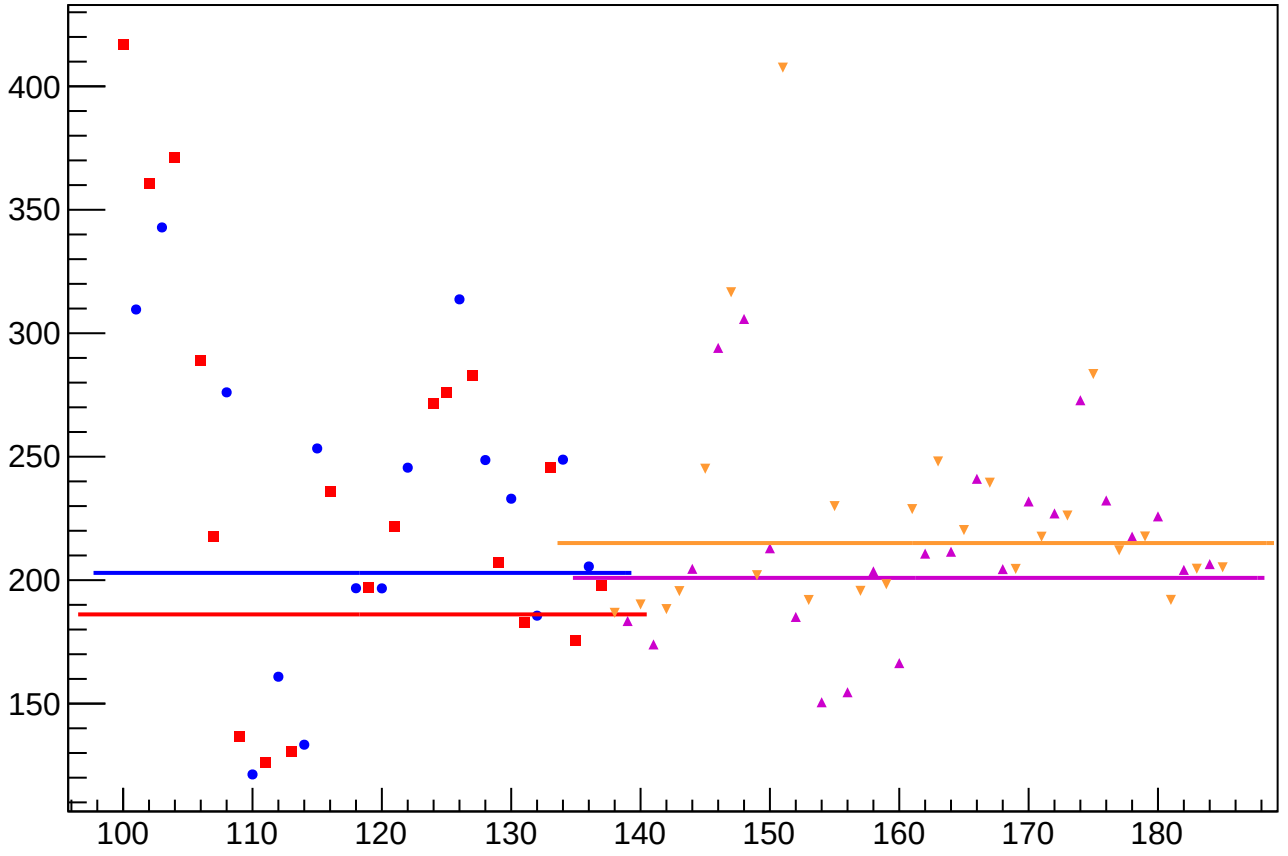
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 538.180+/-42.377 χ^2/NDF: 2522.0/40

All: 287.246+/-29.234 χ^2/NDF: 4609.8/82

- 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: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

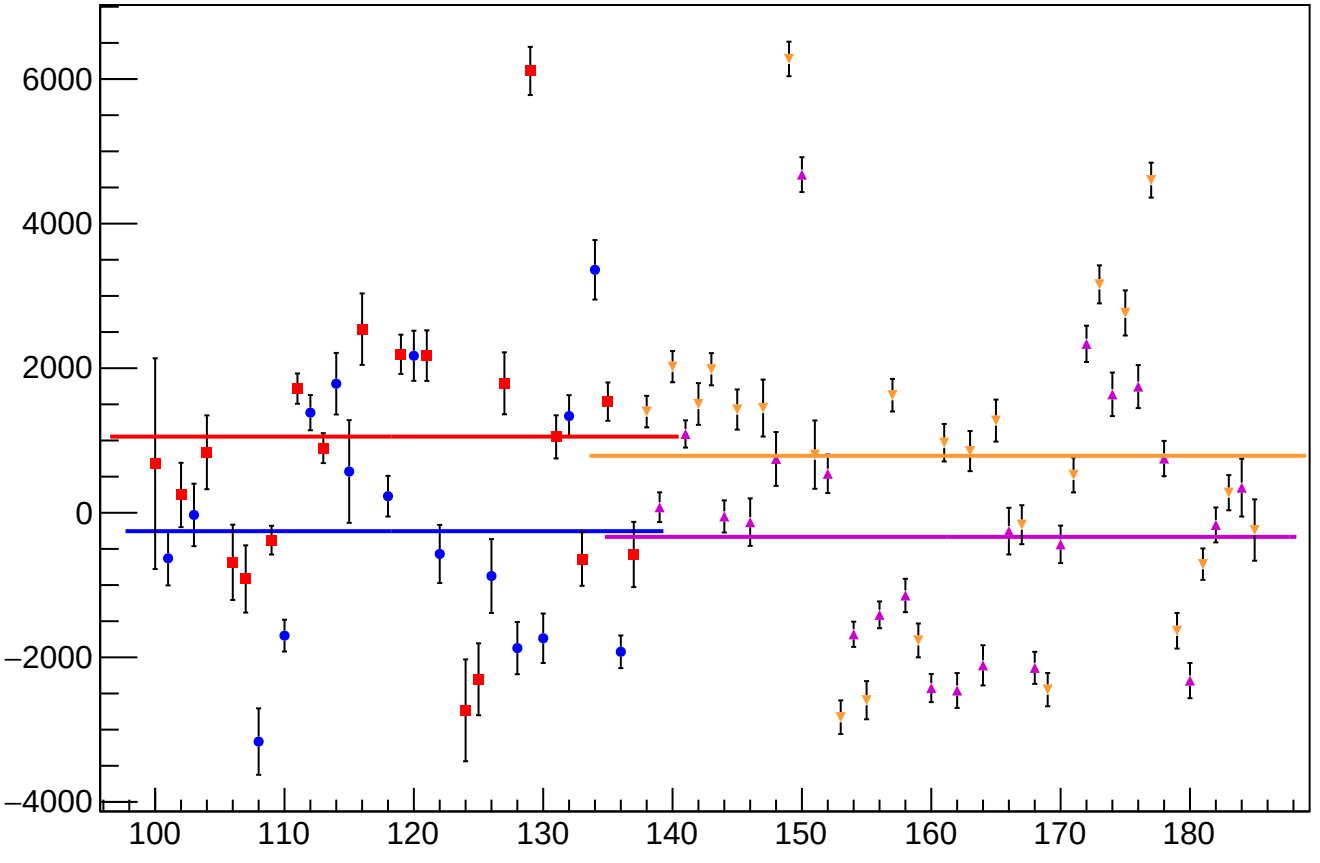
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 211.624+/-0.030 χ^2/NDF: 2002555.2/40

All: 203.645+/-0.021 χ^2/NDF: 4782262.0/82

- sign 196.399+/-0.029 χ^2/NDF: 2644413.6/41

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

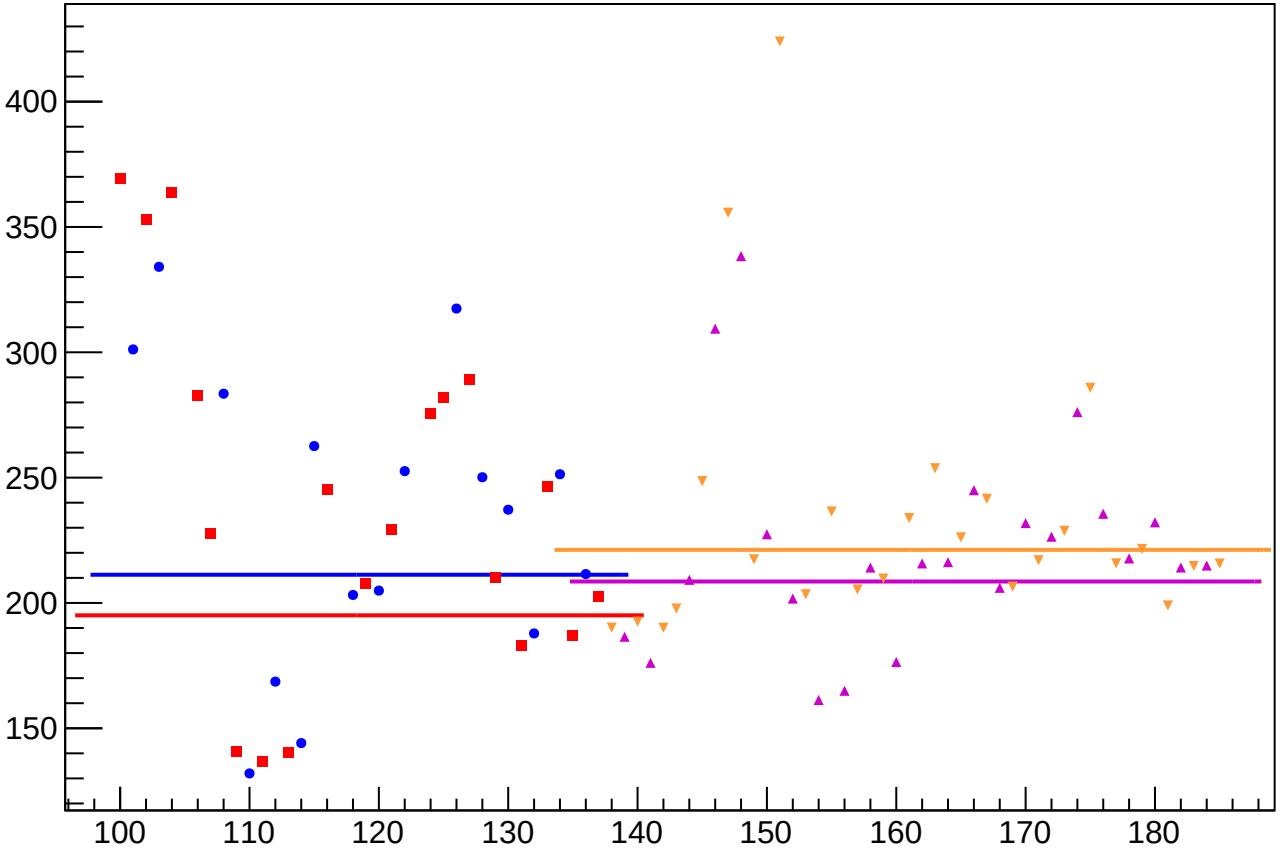
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 496.326+/-43.639 χ^2/NDF: 2414.5/40

All: 283.867+/-30.216 χ^2/NDF: 4385.0/82

- 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: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

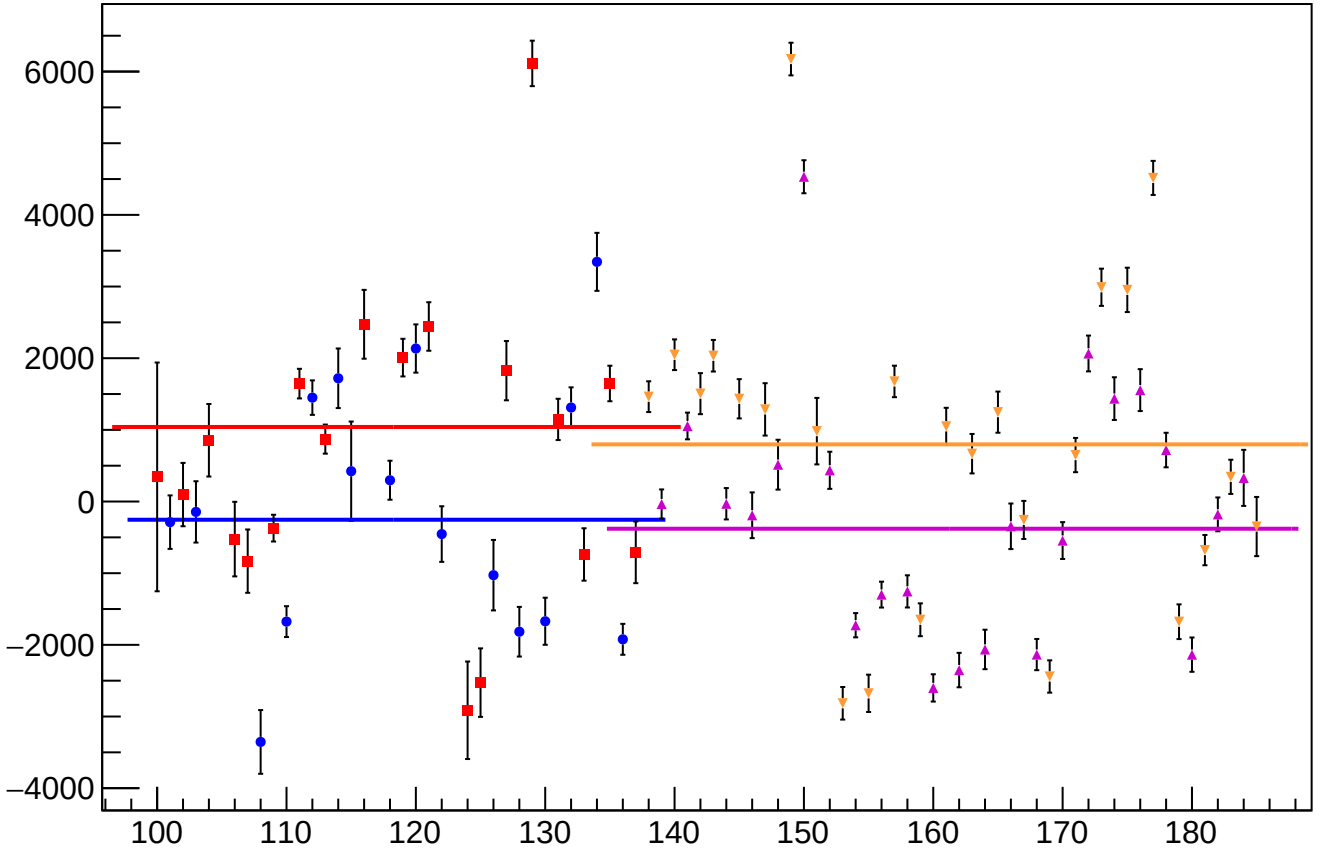
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 218.406+/-0.031 χ^2/NDF: 1844761.9/40

All: 211.143+/-0.021 χ^2/NDF: 4315612.0/82

- 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: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

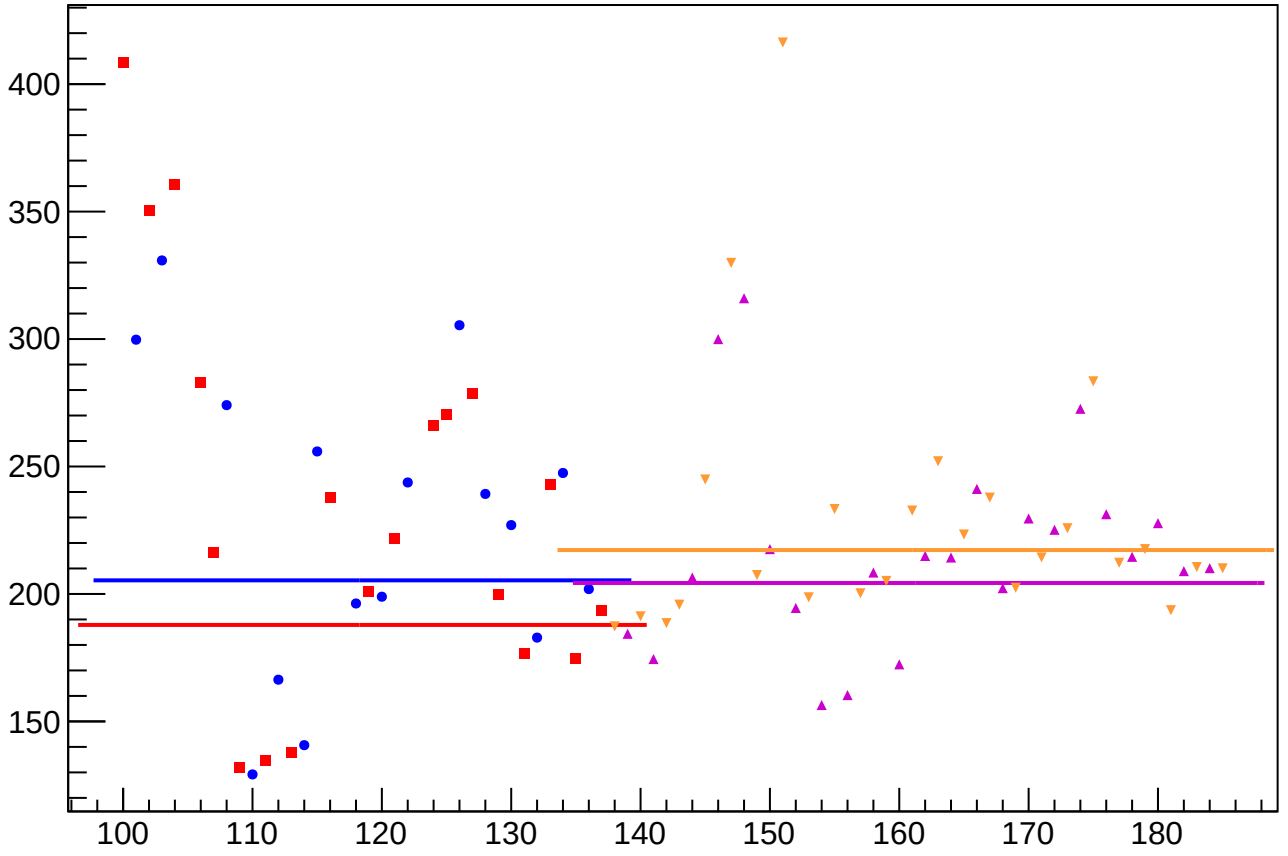
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 499.090+/-42.734 χ^2/NDF: 2515.9/40

All: 270.041+/-29.530 χ^2/NDF: 4564.0/82

- 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: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

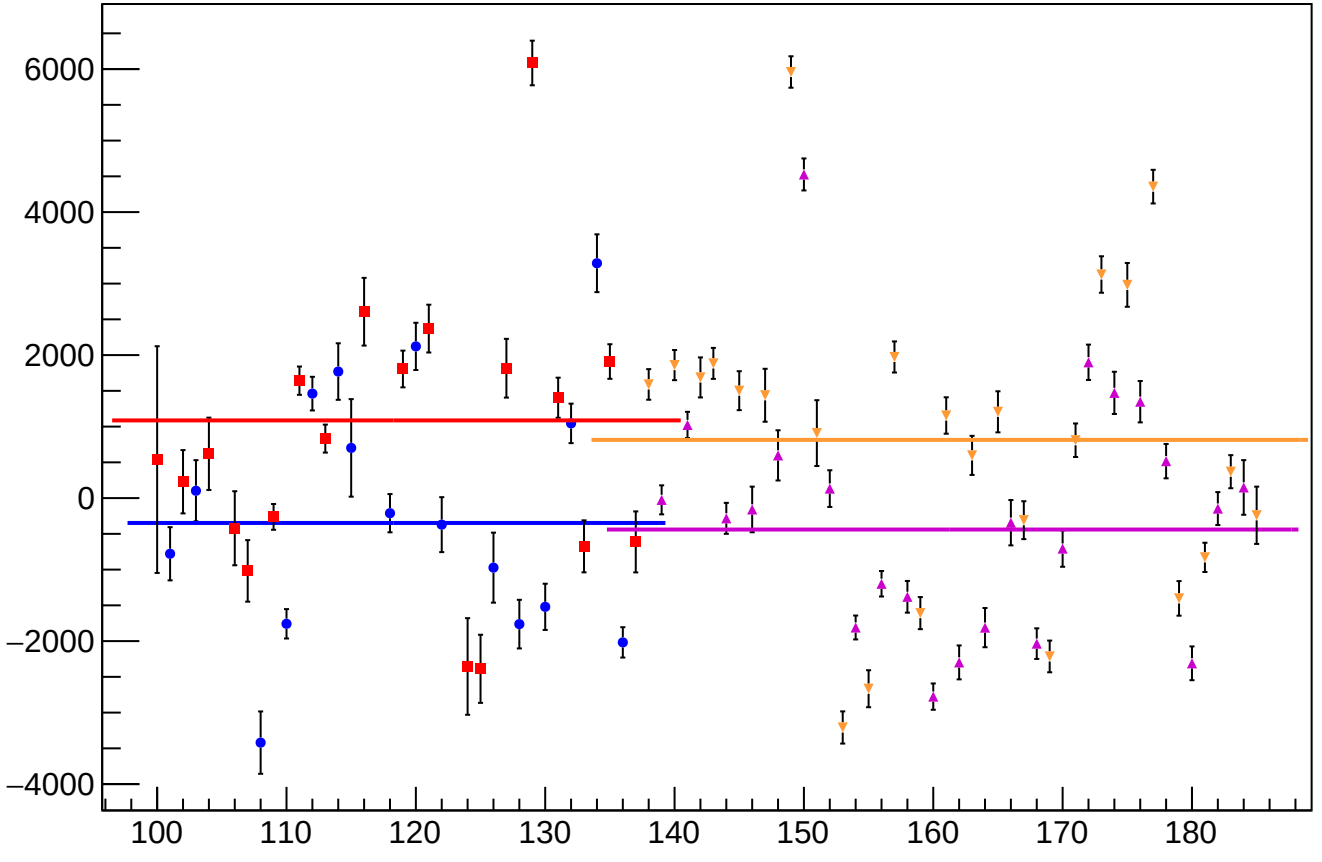
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 213.852+/-0.030 χ^2/NDF: 1819274.3/40

All: 206.199+/-0.021 χ^2/NDF: 4363612.8/82

- 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: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

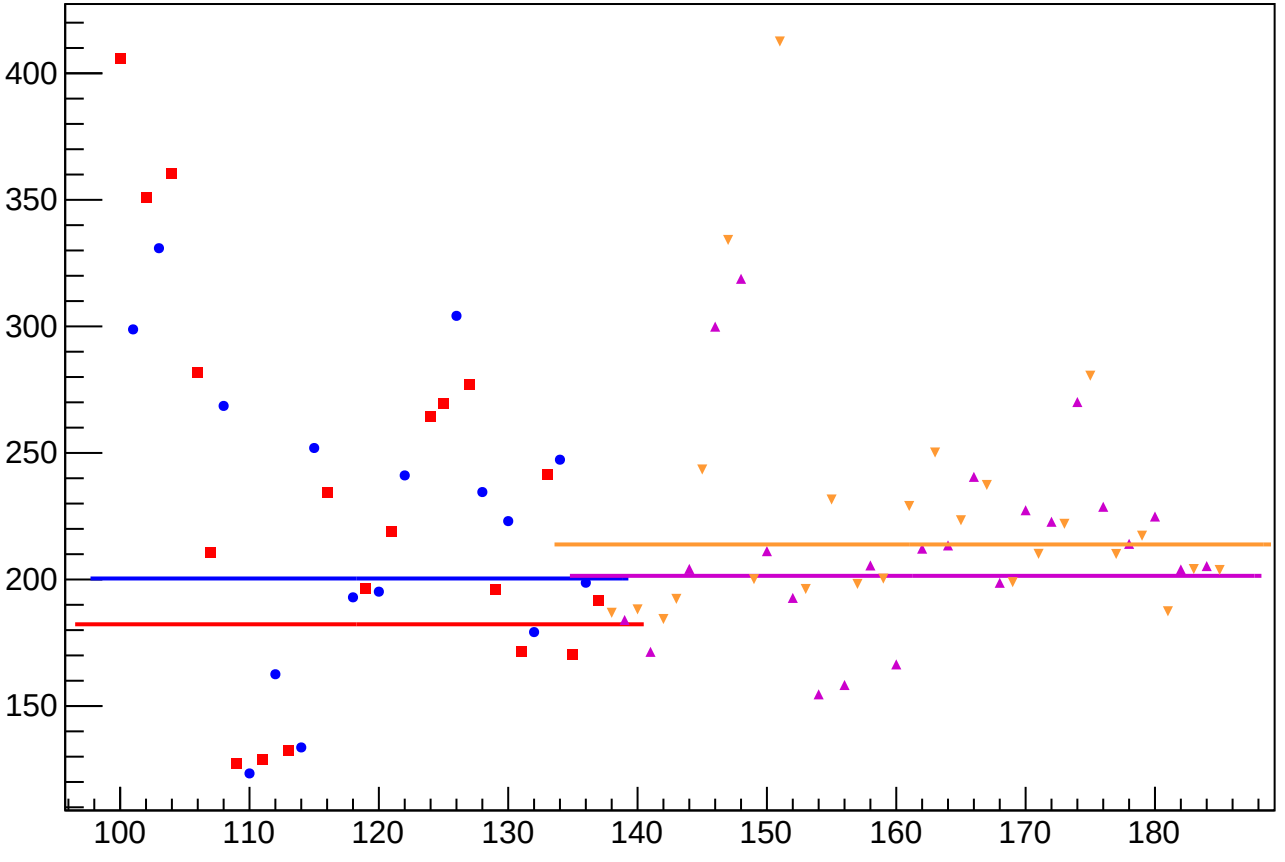
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 481.628+/-42.038 χ^2/NDF: 2602.3/40

All: 251.499+/-29.040 χ^2/NDF: 4733.5/82

- 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: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

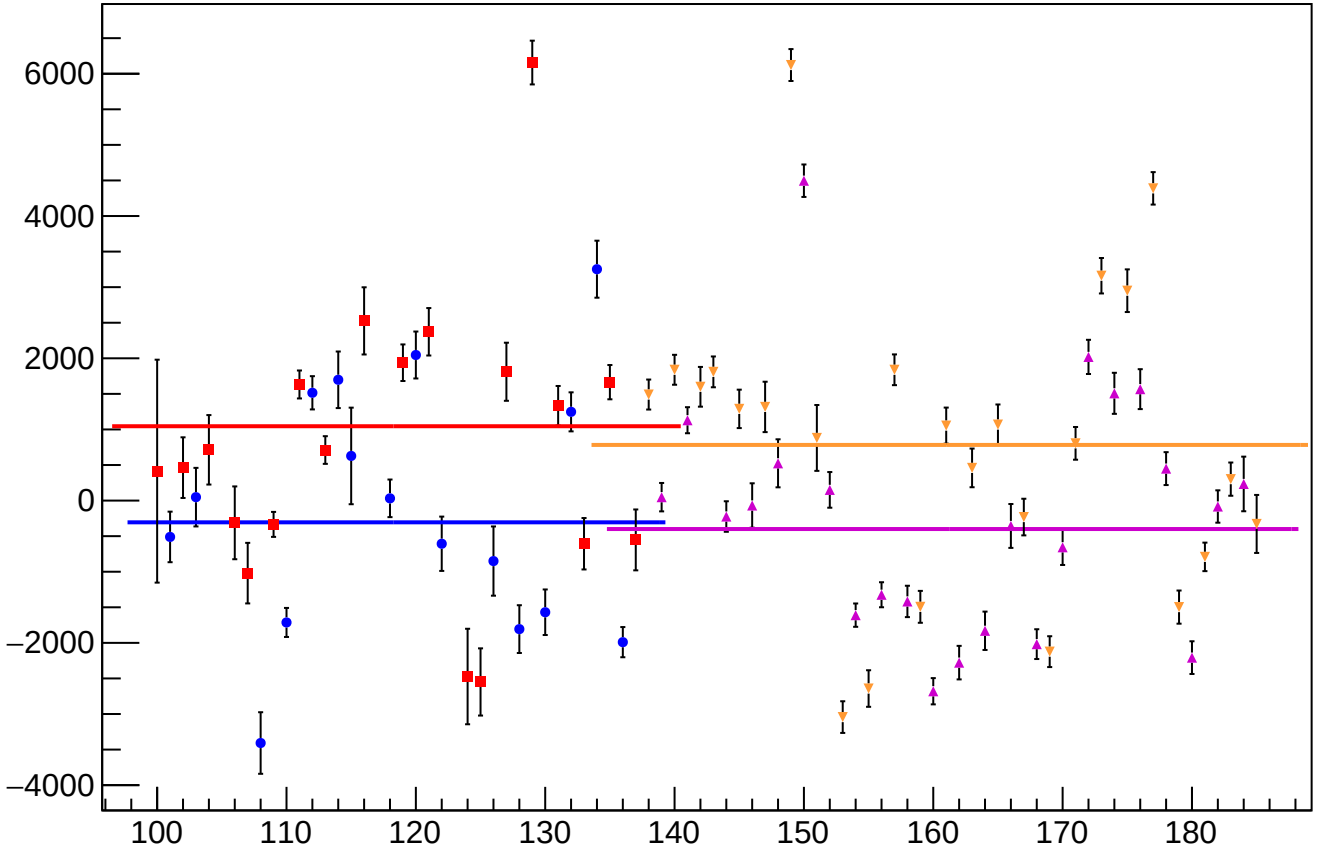
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 209.998+/-0.030 χ^2/NDF: 1964411.6/40

All: 202.372+/-0.021 χ^2/NDF: 4697542.2/82

- 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: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

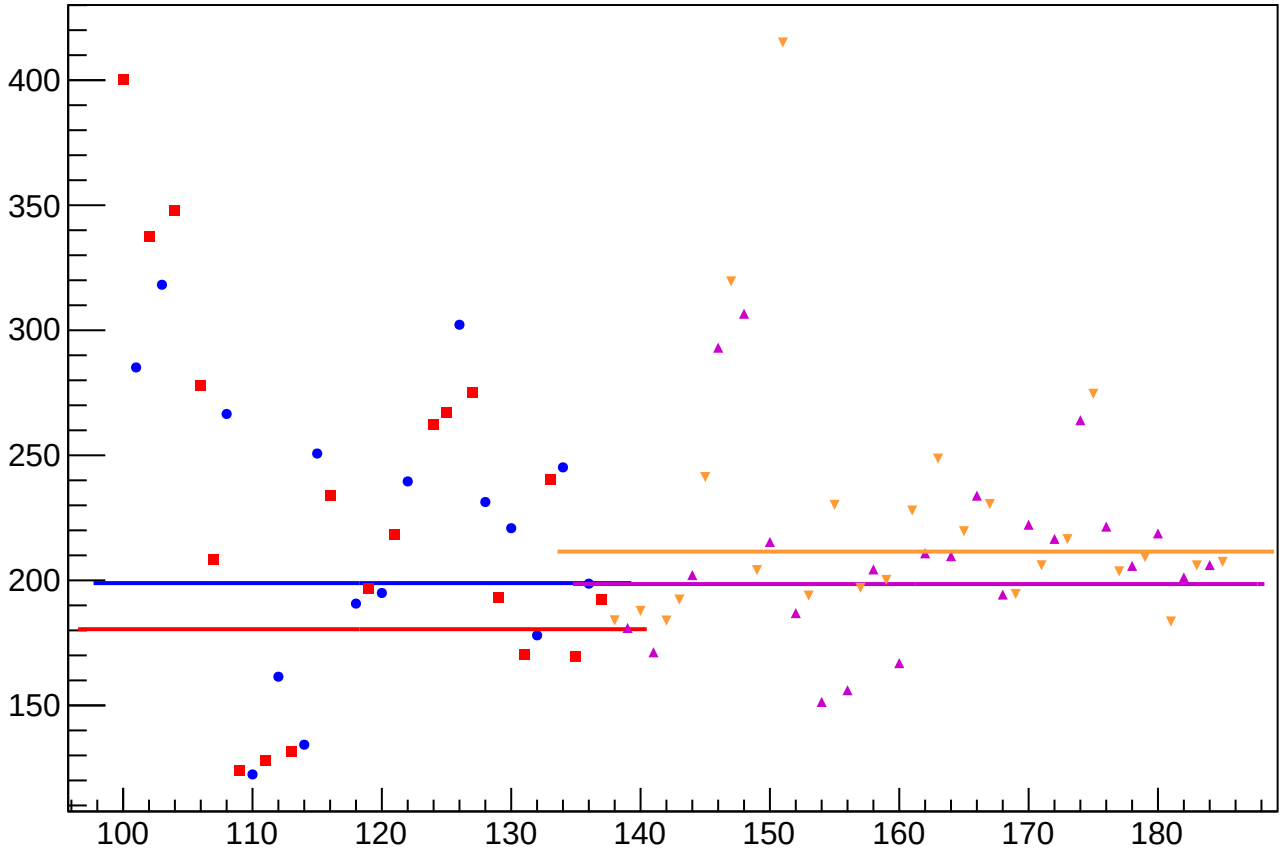
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 471.964+/-41.593 χ^2/NDF: 2592.6/40

All: 252.186+/-28.692 χ^2/NDF: 4716.0/82

- 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: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

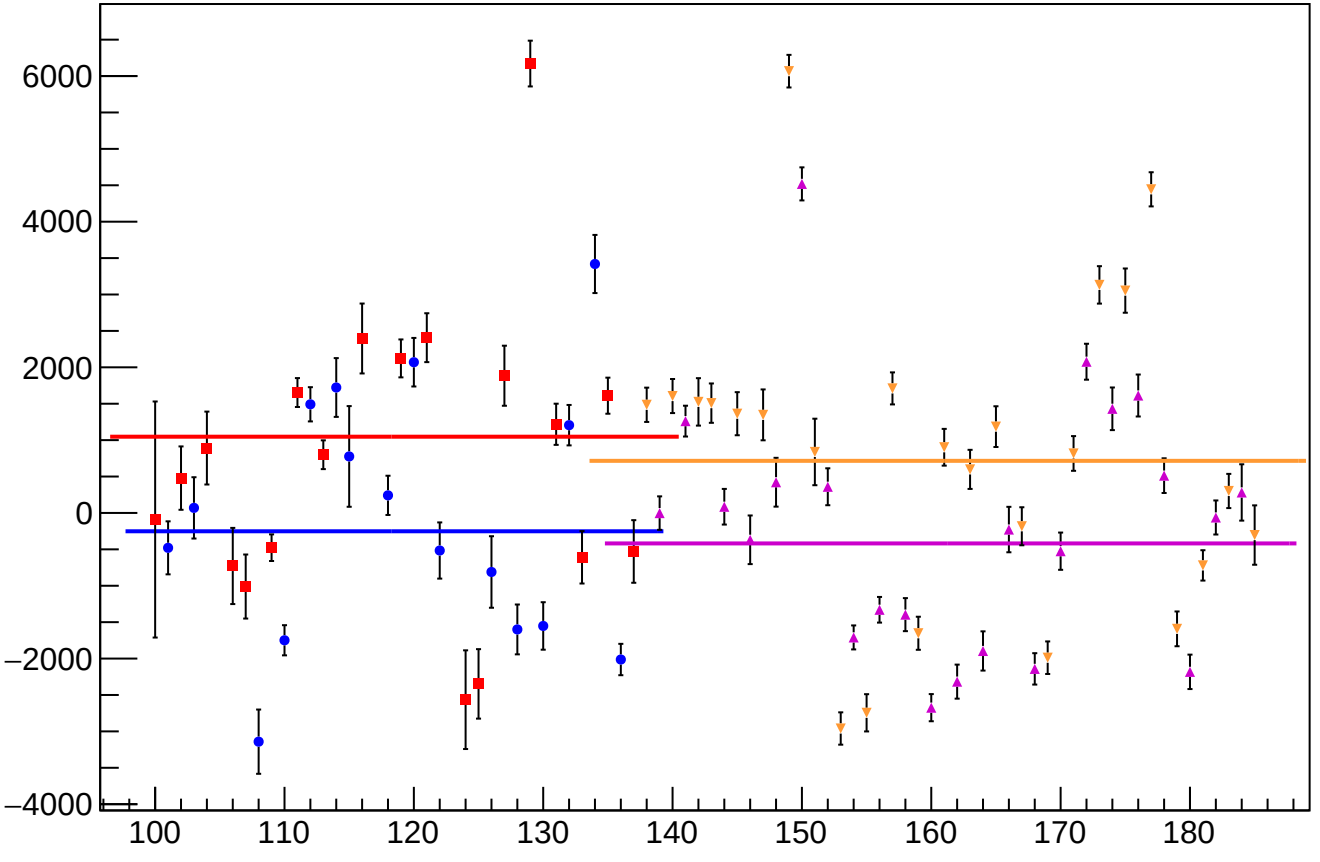
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 207.903+/-0.029 χ^2/NDF: 1885128.1/40

All: 200.025+/-0.020 χ^2/NDF: 4552168.8/82

- 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: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

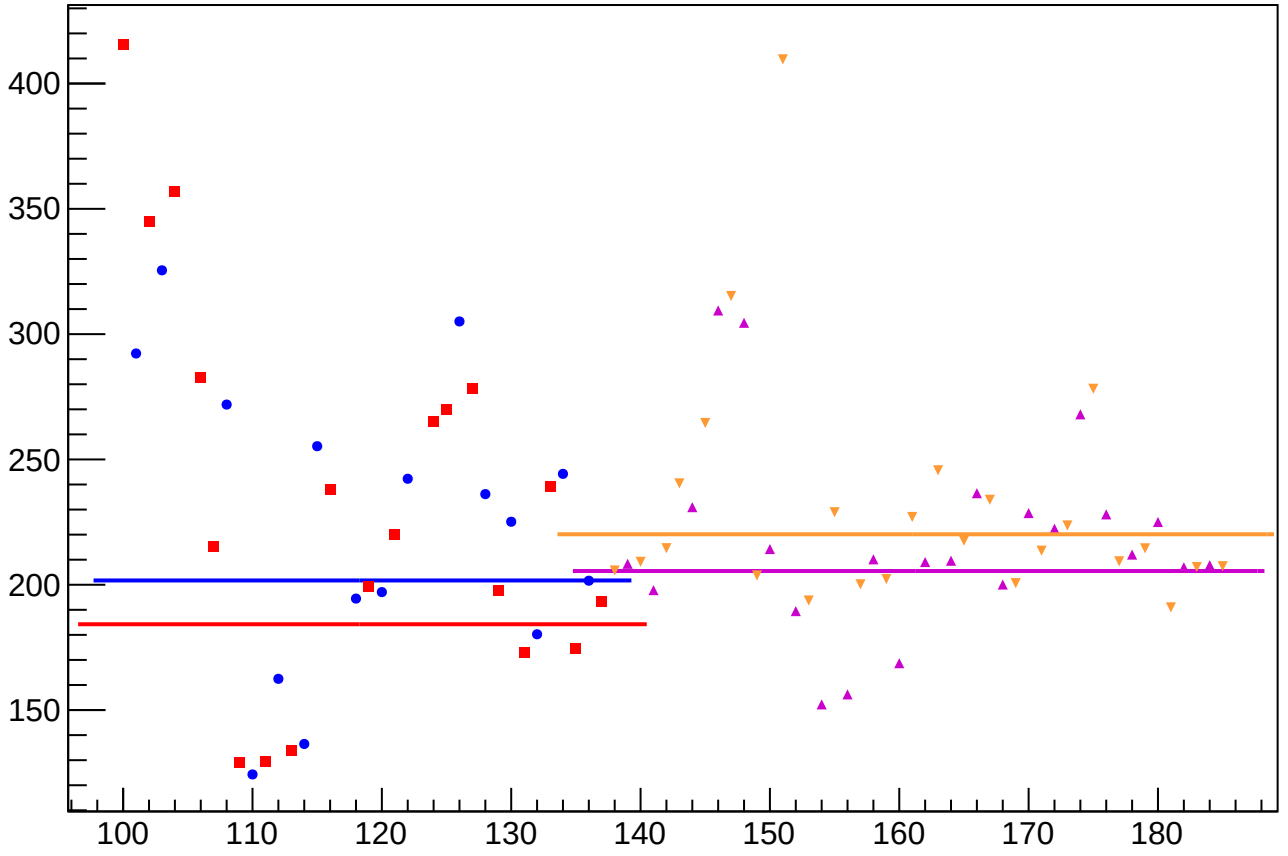
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 430.060+/-42.908 χ^2/NDF: 2465.0/40

All: 230.886+/-29.581 χ^2/NDF: 4574.1/82

- 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: 220.145+/-0.036 χ^2/NDF:799699.4/24

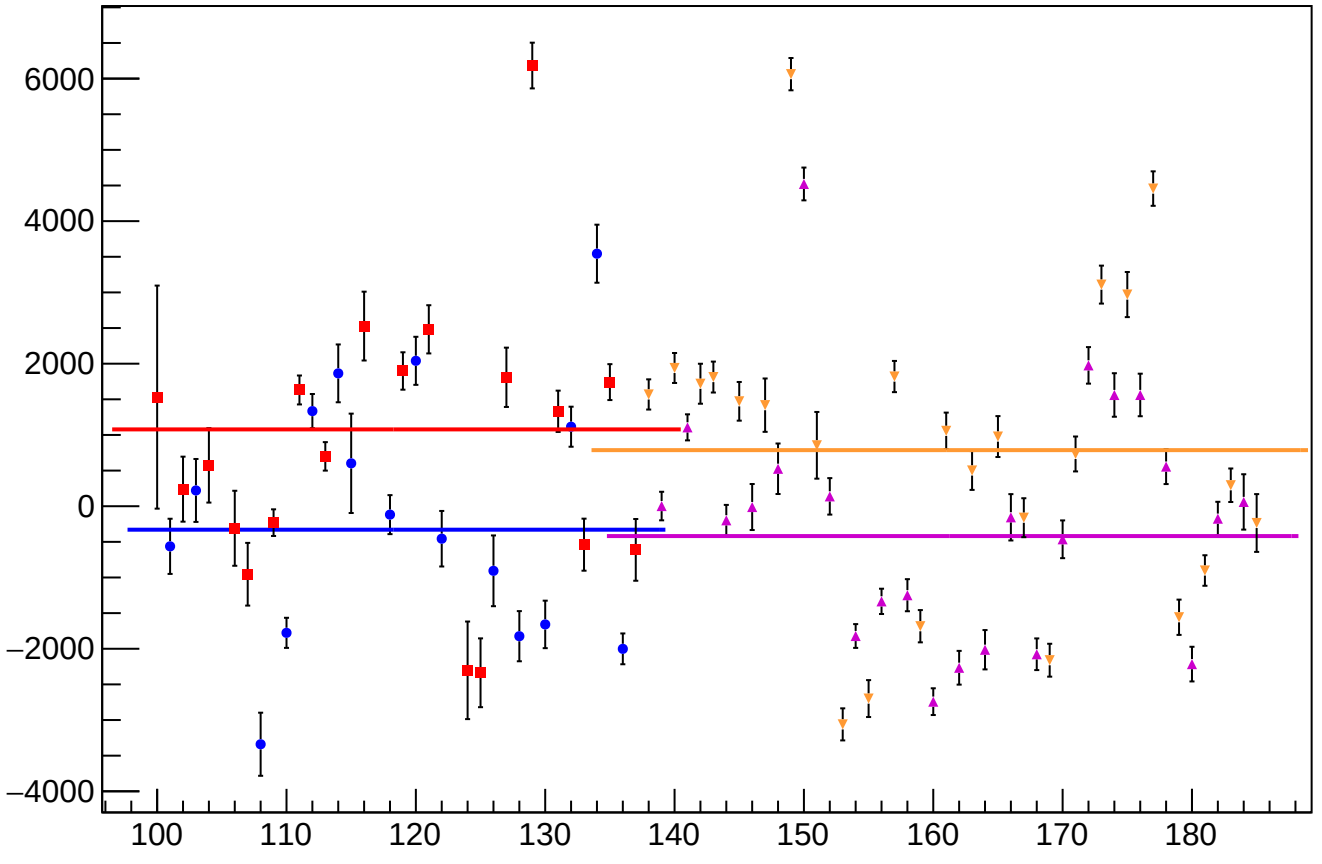
Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 214.704+/-0.030 χ^2/NDF: 1800689.5/40

All: 206.299+/-0.021 χ^2/NDF: 4482383.8/82

- sign 198.685+/-0.029 χ^2/NDF: 2535431.2/41



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

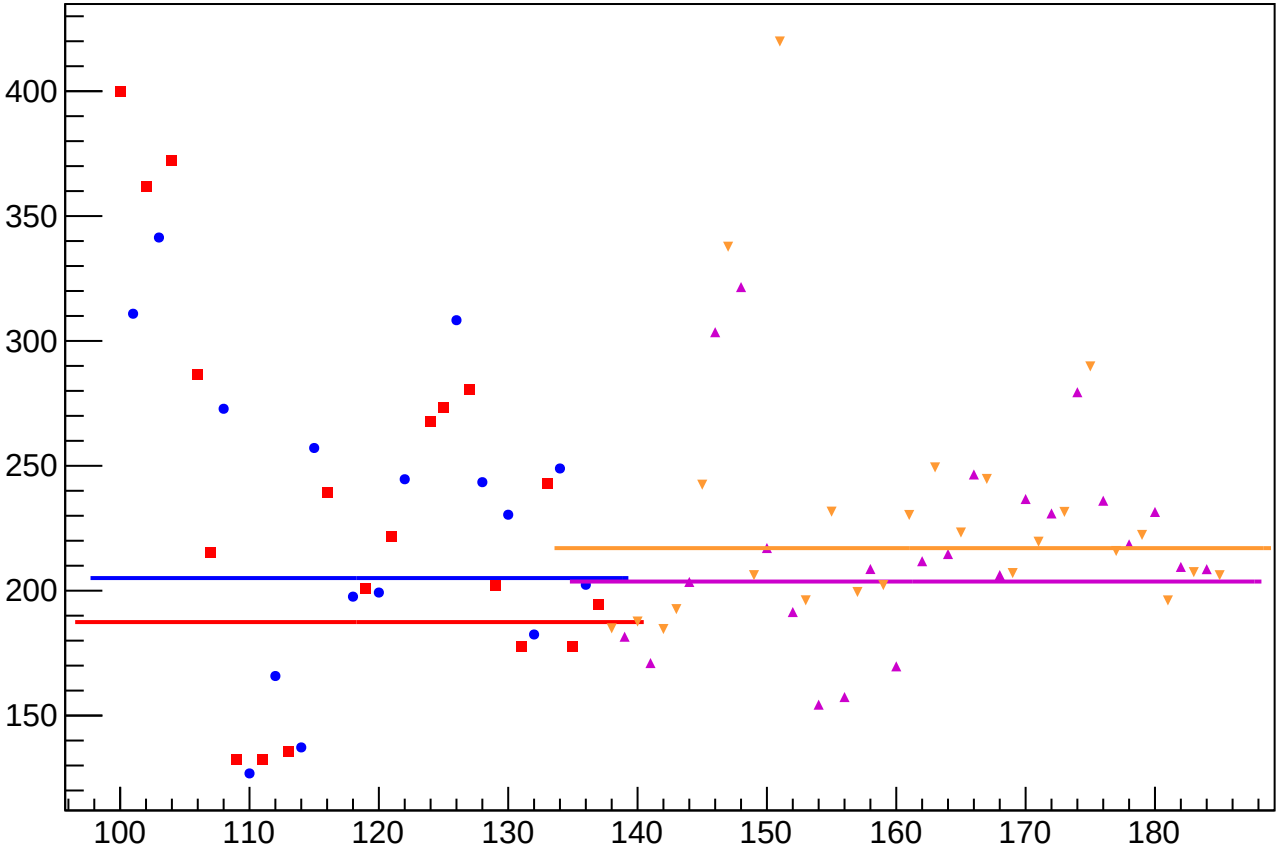
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 470.712+/-42.774 χ^2/NDF: 2512.2/40

All: 247.764+/-29.539 χ^2/NDF: 4564.2/82

- 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: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

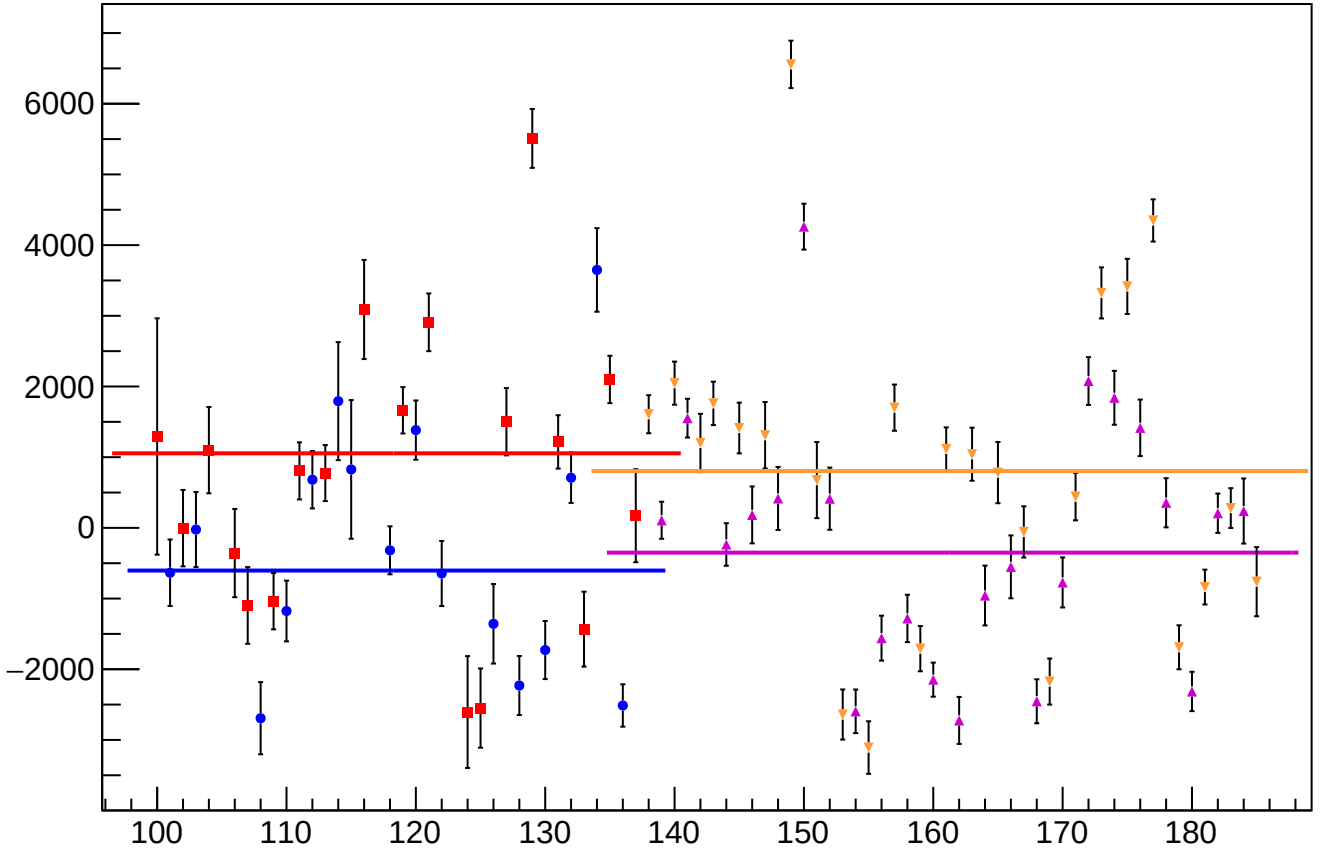
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 213.644+/-0.030 χ^2/NDF: 1978112.8/40

All: 205.794+/-0.021 χ^2/NDF: 4750548.2/82

- 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: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

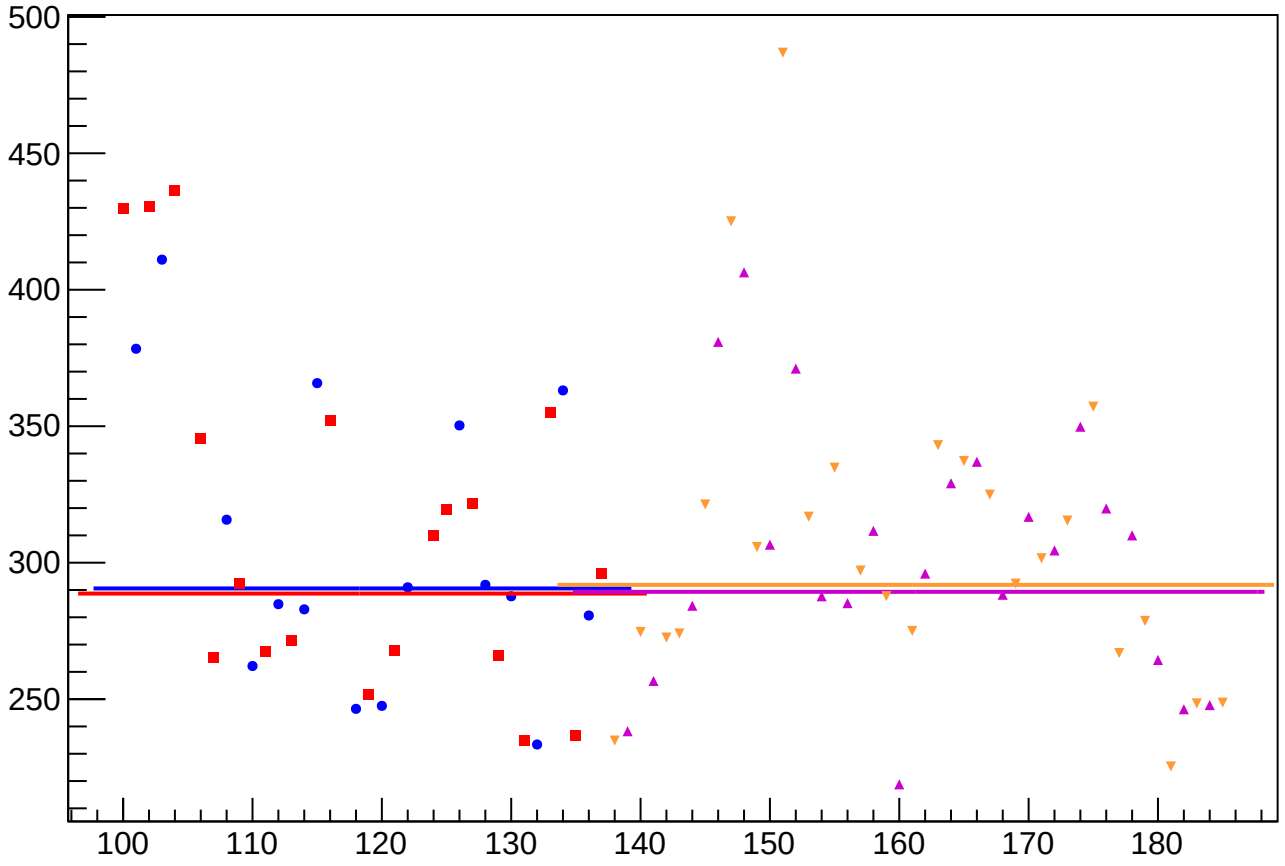
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 420.619+/-57.750 χ^2/NDF: 1368.9/40

All: 239.419+/-40.986 χ^2/NDF: 2462.3/82

- 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: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

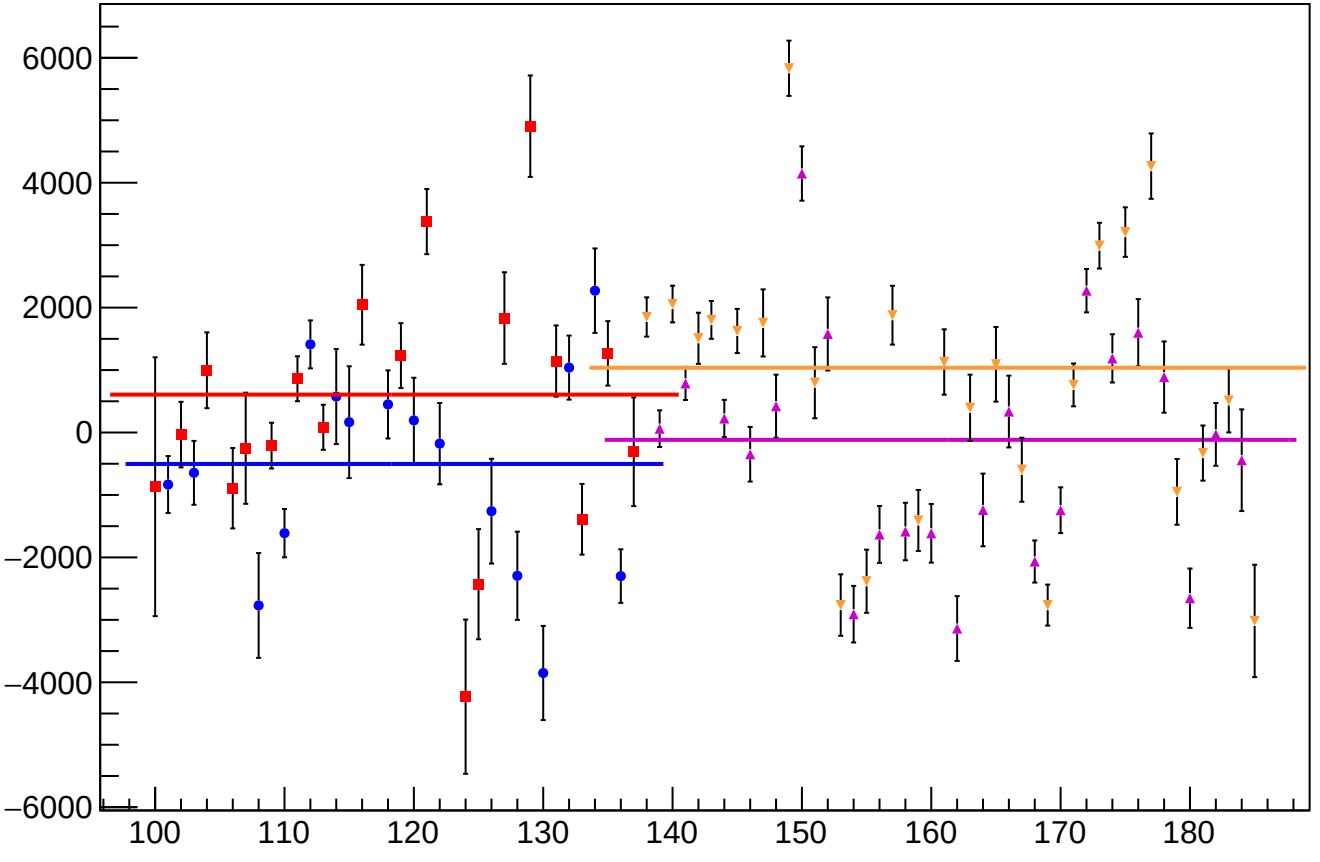
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 291.524+/-0.041 χ^2/NDF: 1319932.1/40

All: 290.340+/-0.029 χ^2/NDF: 2619376.4/82

- 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: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

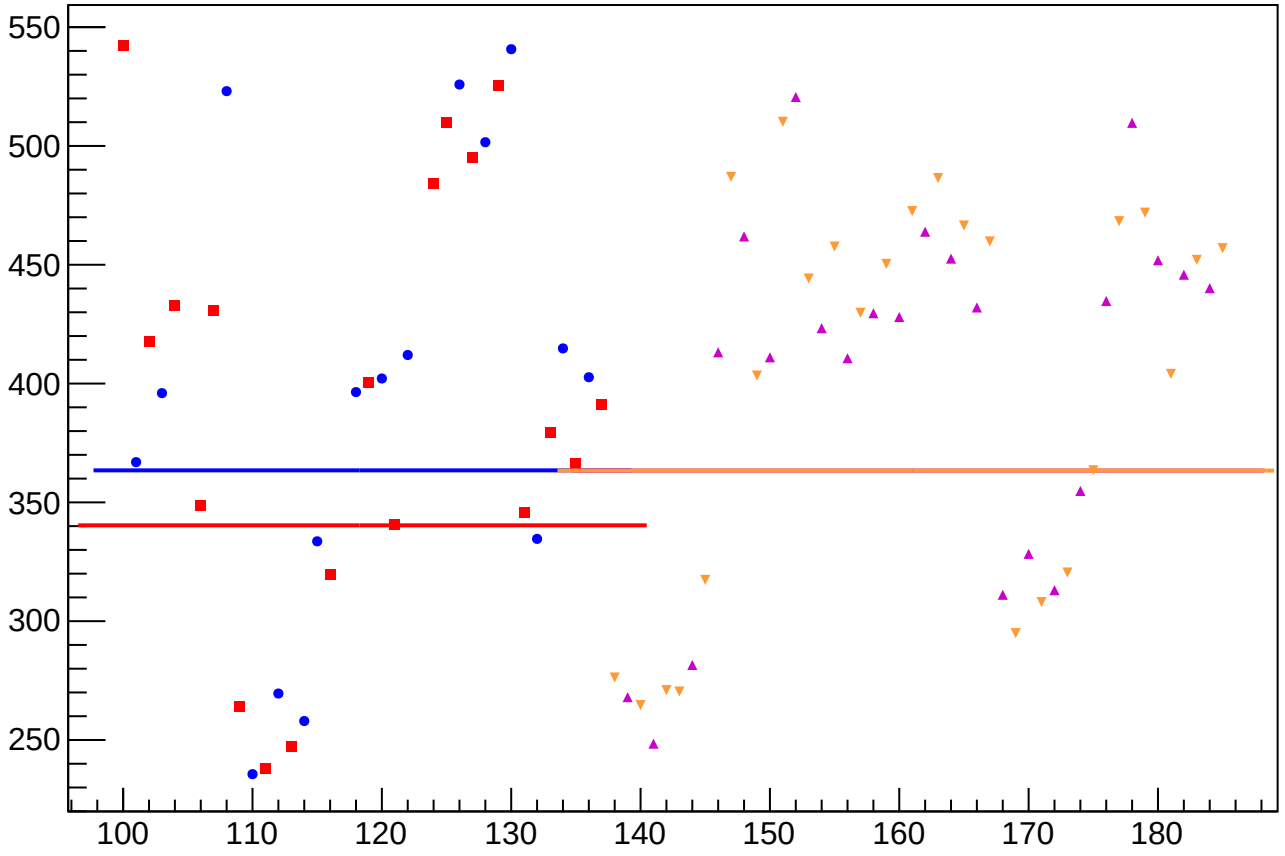
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 621.102+/-72.790 χ^2/NDF: 776.8/40

All: 364.198+/-51.367 χ^2/NDF: 1318.6/82

- 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: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

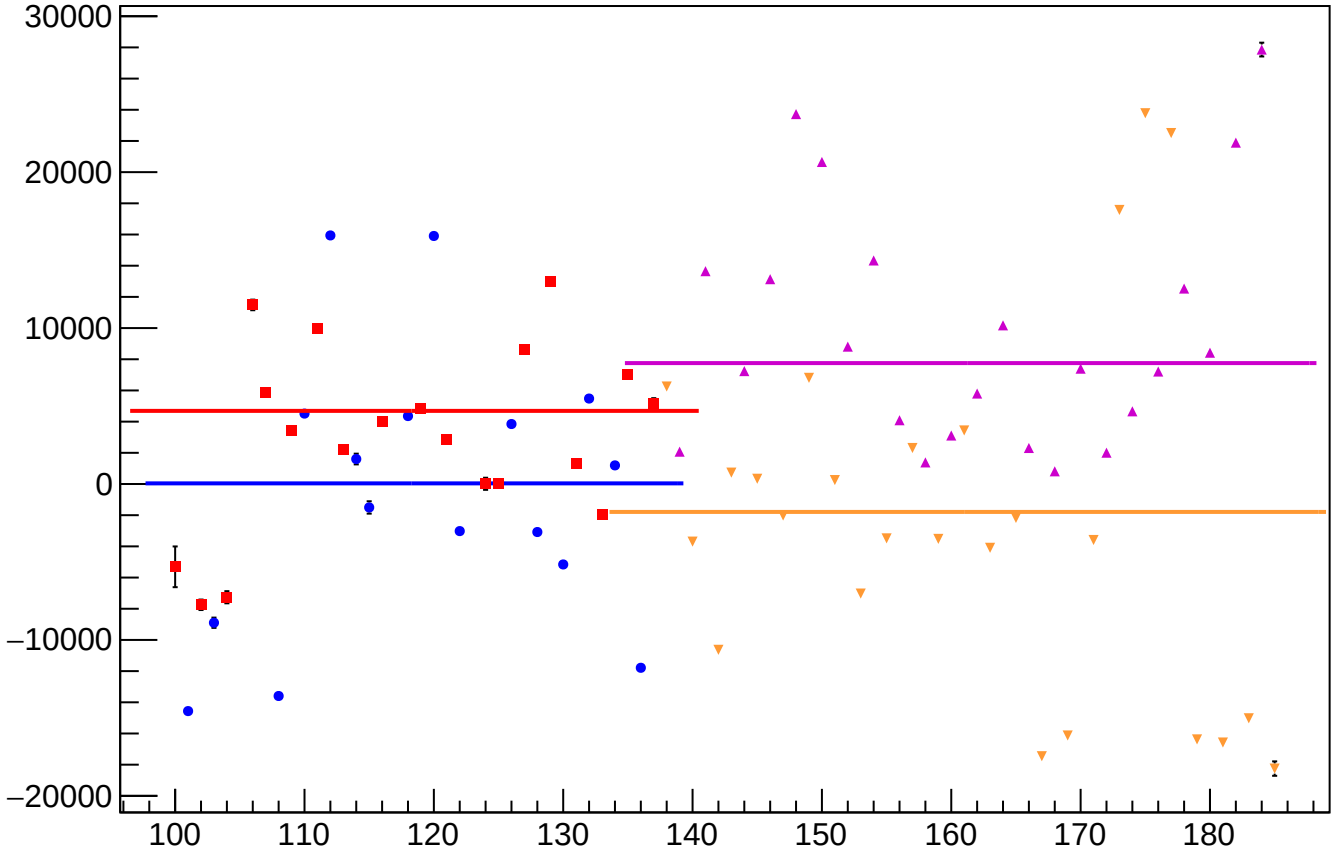
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 363.410+/-0.051 χ^2/NDF: 2721391.1/40

All: 359.777+/-0.036 χ^2/NDF: 5342624.4/82

- 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: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

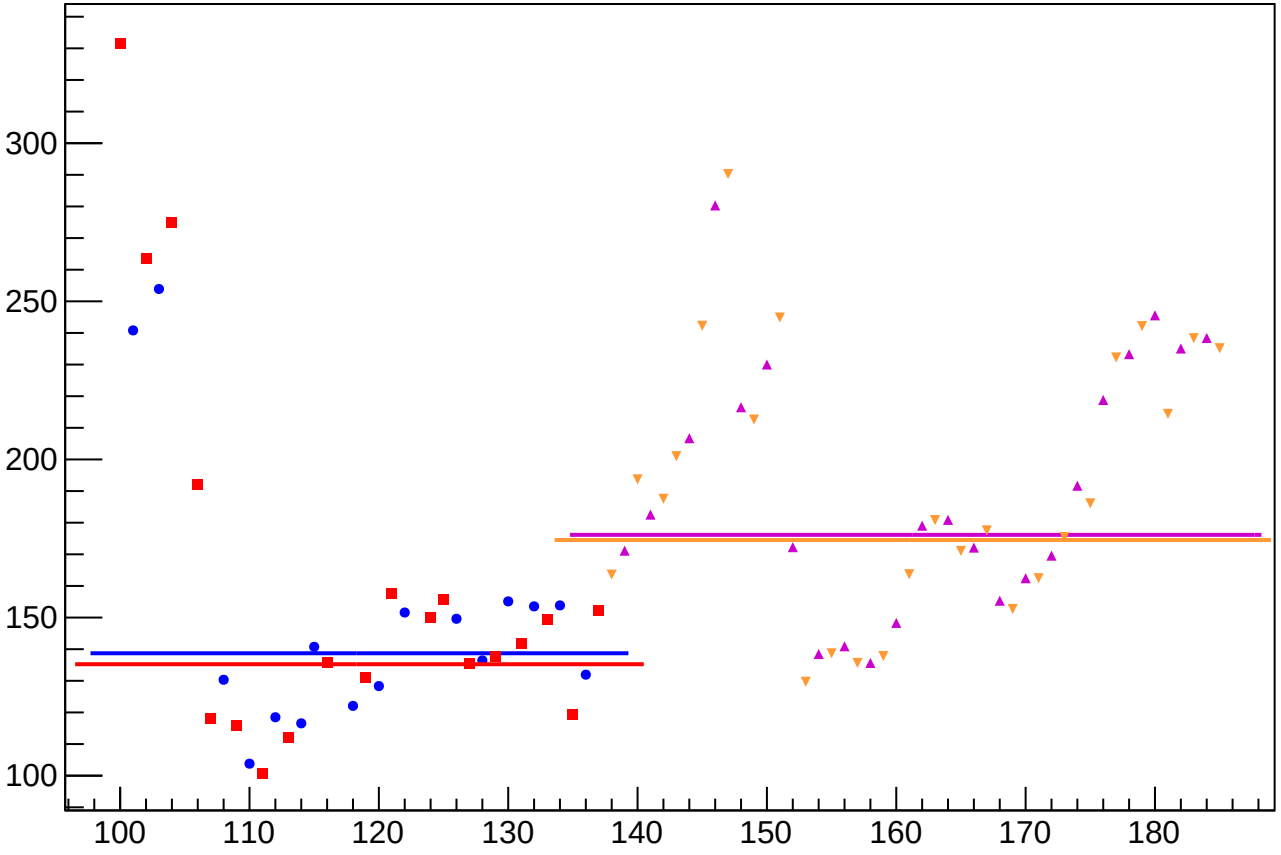
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1125.646+/-32.652 χ^2/NDF: 97259.4/40

All: 2664.453+/-23.198 χ^2/NDF: 157613.5/82

- 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: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

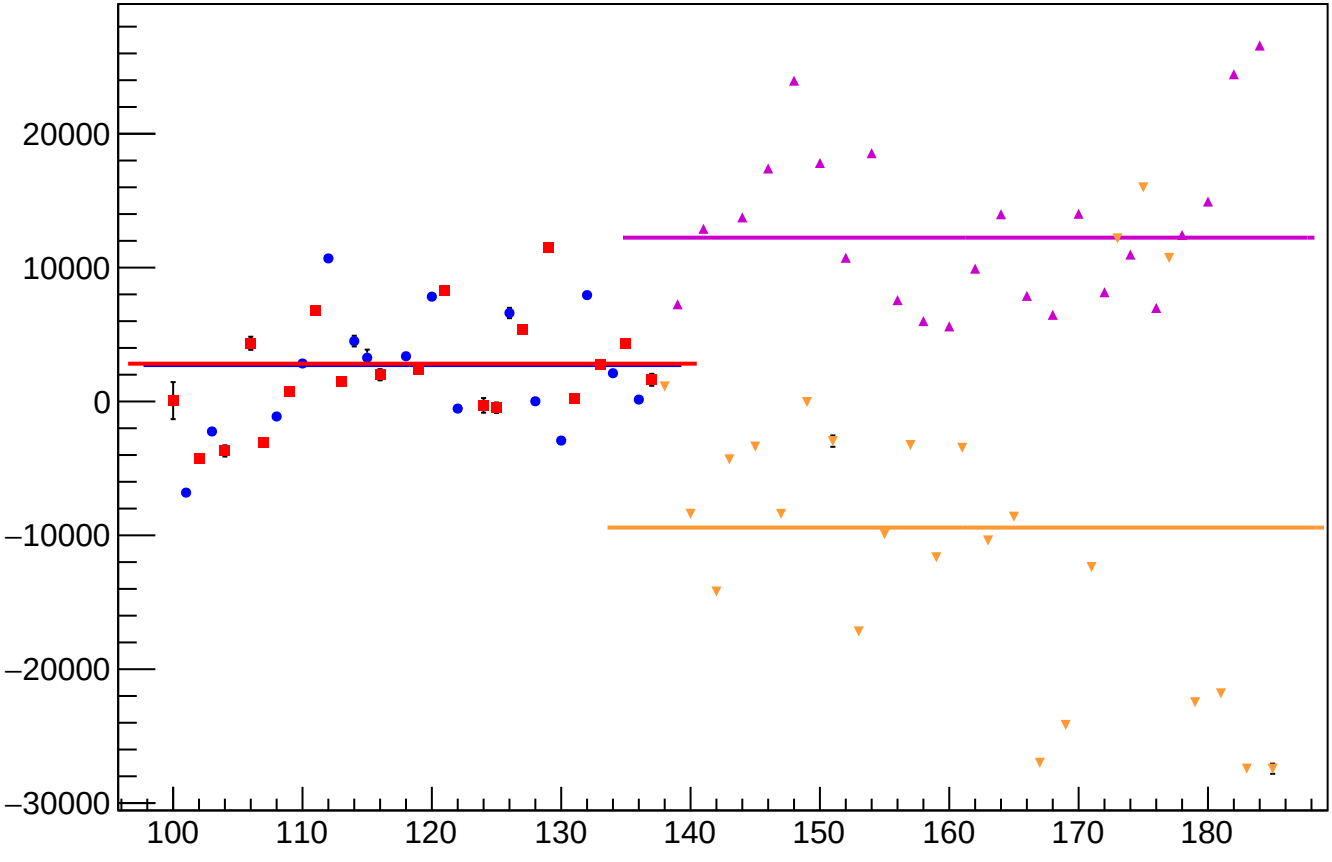
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.524+/-0.023 χ^2/NDF: 2873416.1/40

All: 160.657+/-0.016 χ^2/NDF: 5872850.1/82

- 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: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

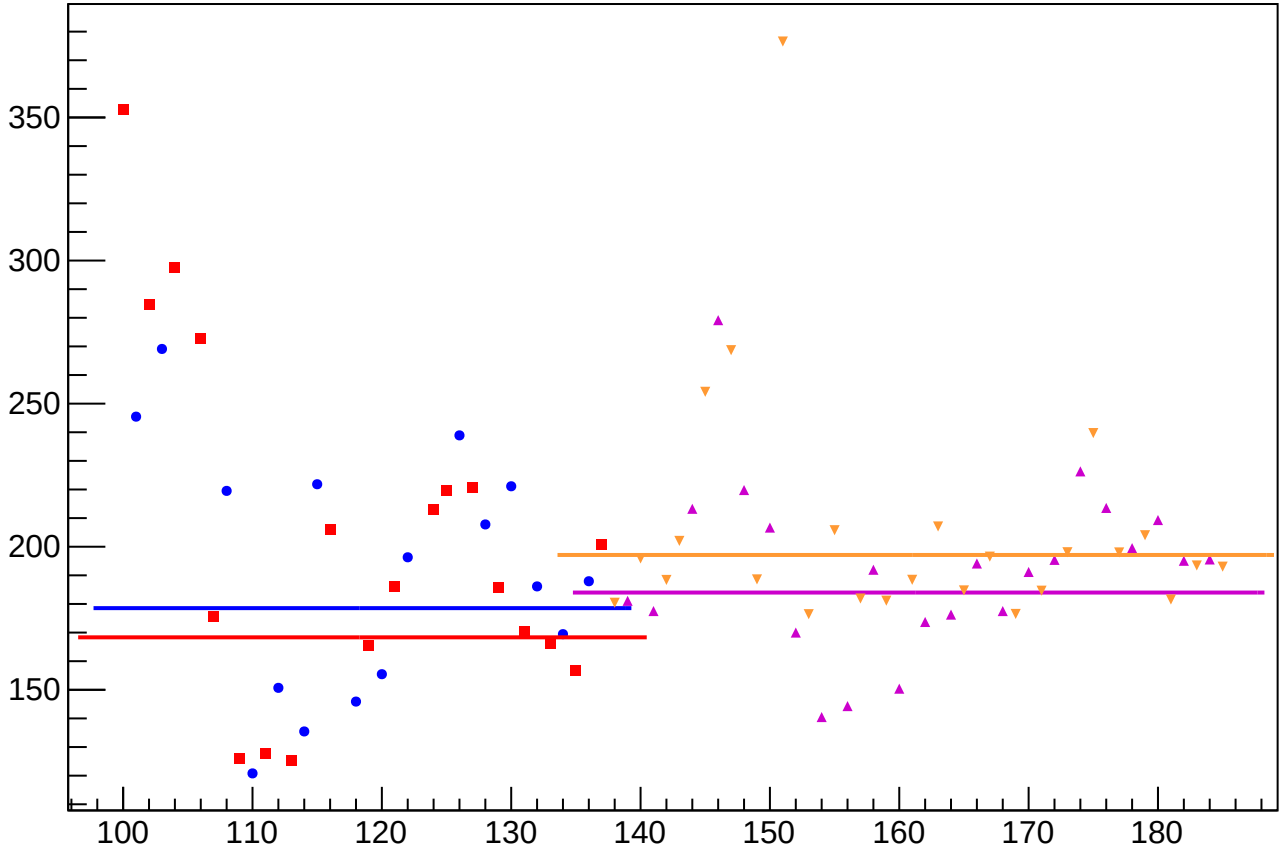
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -5737.117+/-38.141 χ^2/NDF: 90259.3/40

All: 2083.036+/-26.378 χ^2/NDF: 204310.5/82

- 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: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

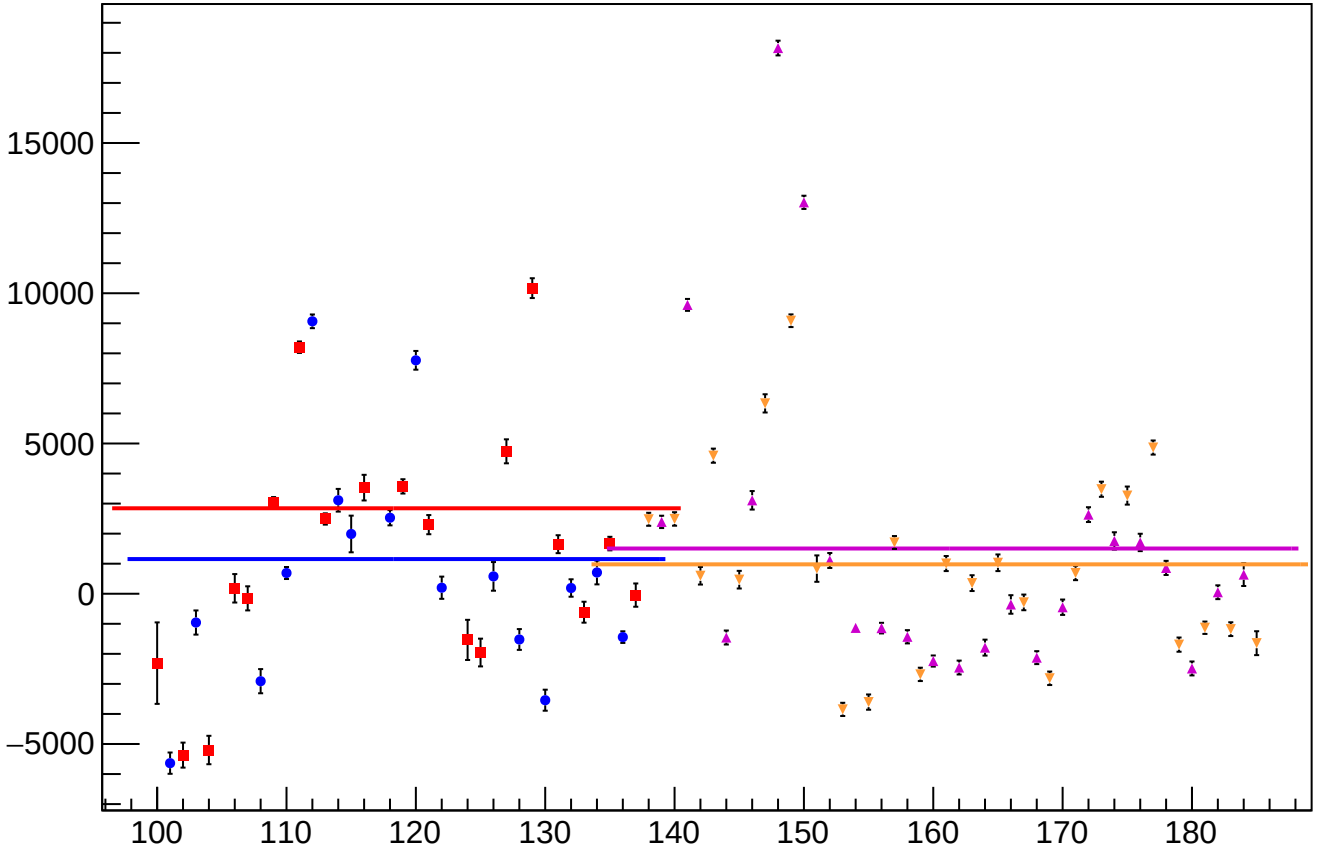
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.485+/-0.027 χ^2/NDF: 1507413.8/40

All: 184.983+/-0.019 χ^2/NDF: 3507630.8/82

- 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: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

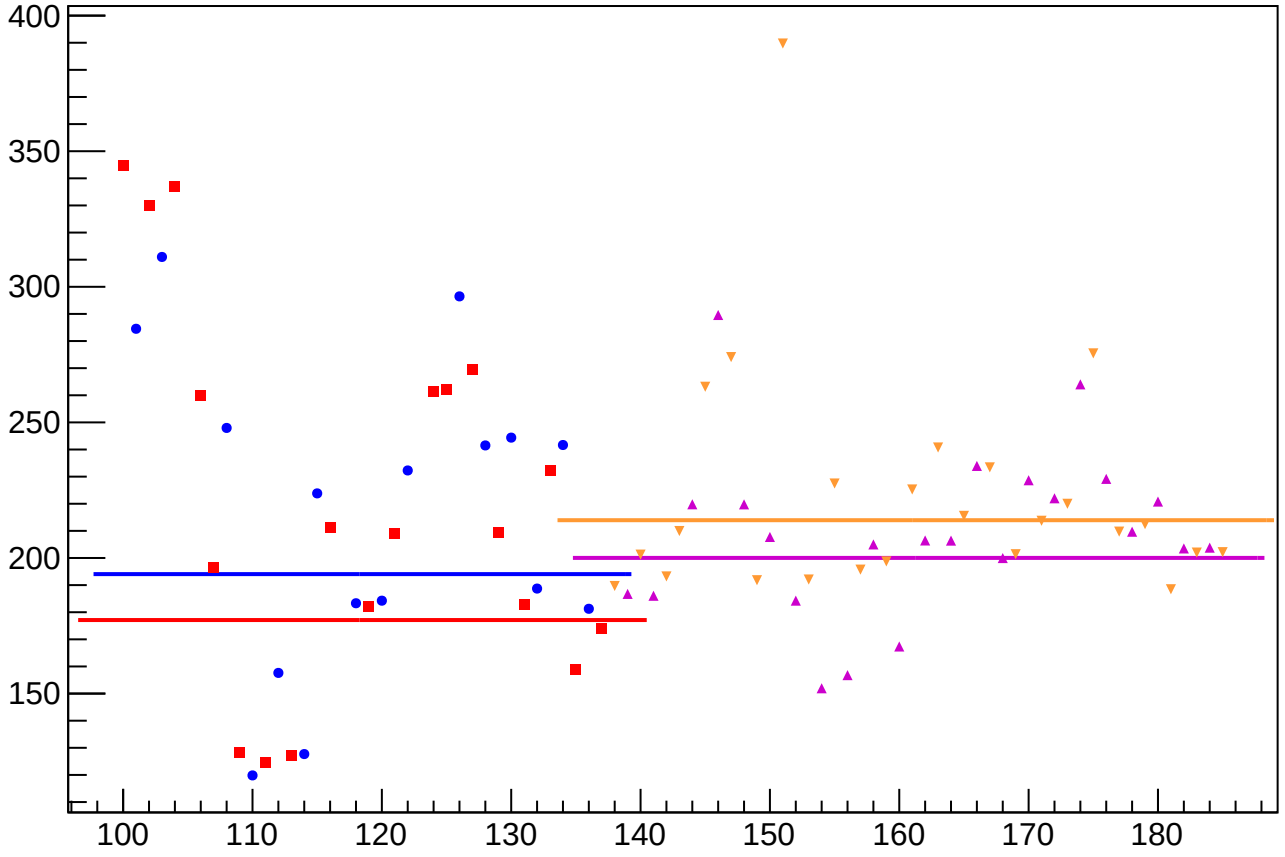
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1030.871+/-41.534 χ^2/NDF: 6982.0/40

All: 1509.323+/-28.606 χ^2/NDF: 21421.1/82

- 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: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

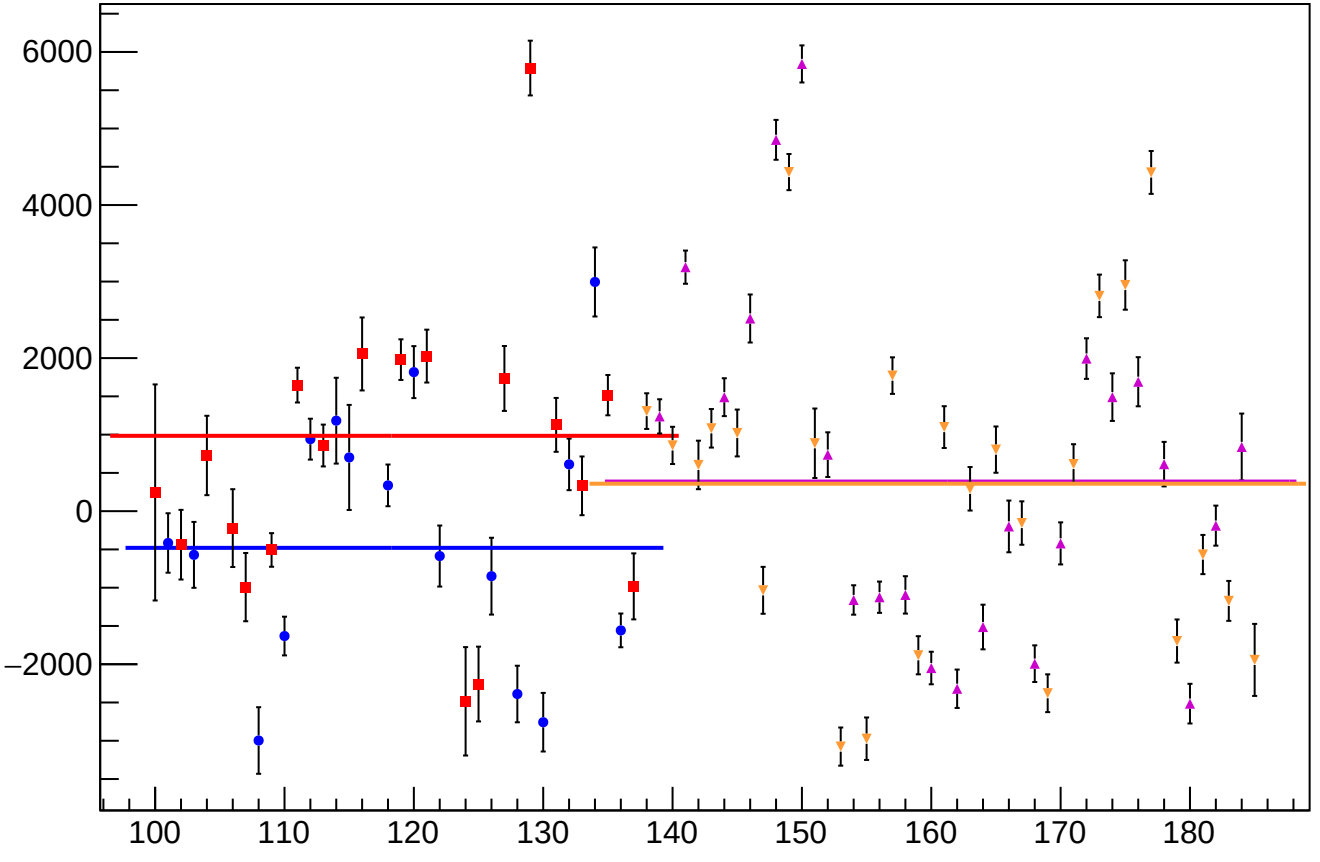
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 207.988+/-0.029 χ^2/NDF: 1795446.7/40

All: 199.882+/-0.020 χ^2/NDF: 4233376.6/82

- 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: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

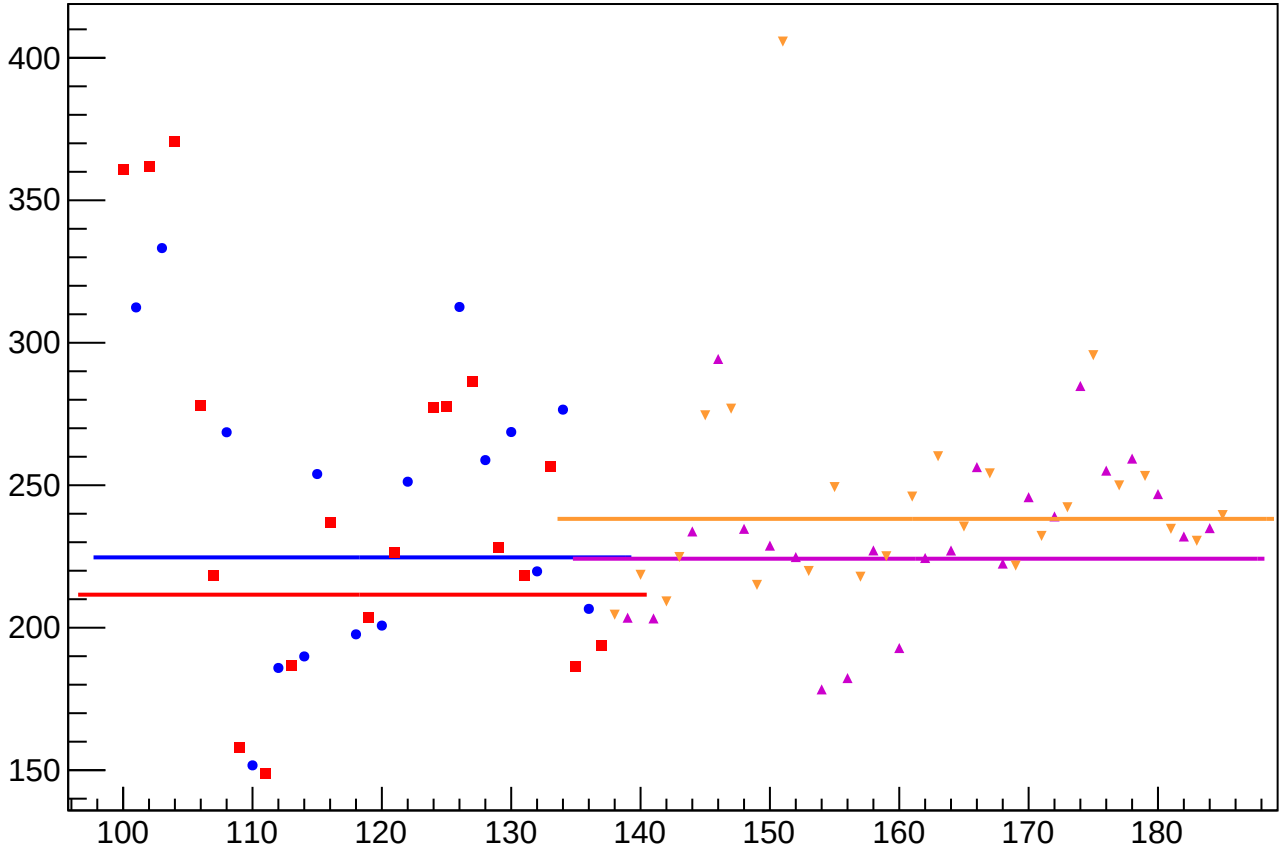
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign 118.214+/-46.436 χ^2/NDF: 1790.9/40

All: 352.318+/-32.185 χ^2/NDF: 4080.1/82

- 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: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

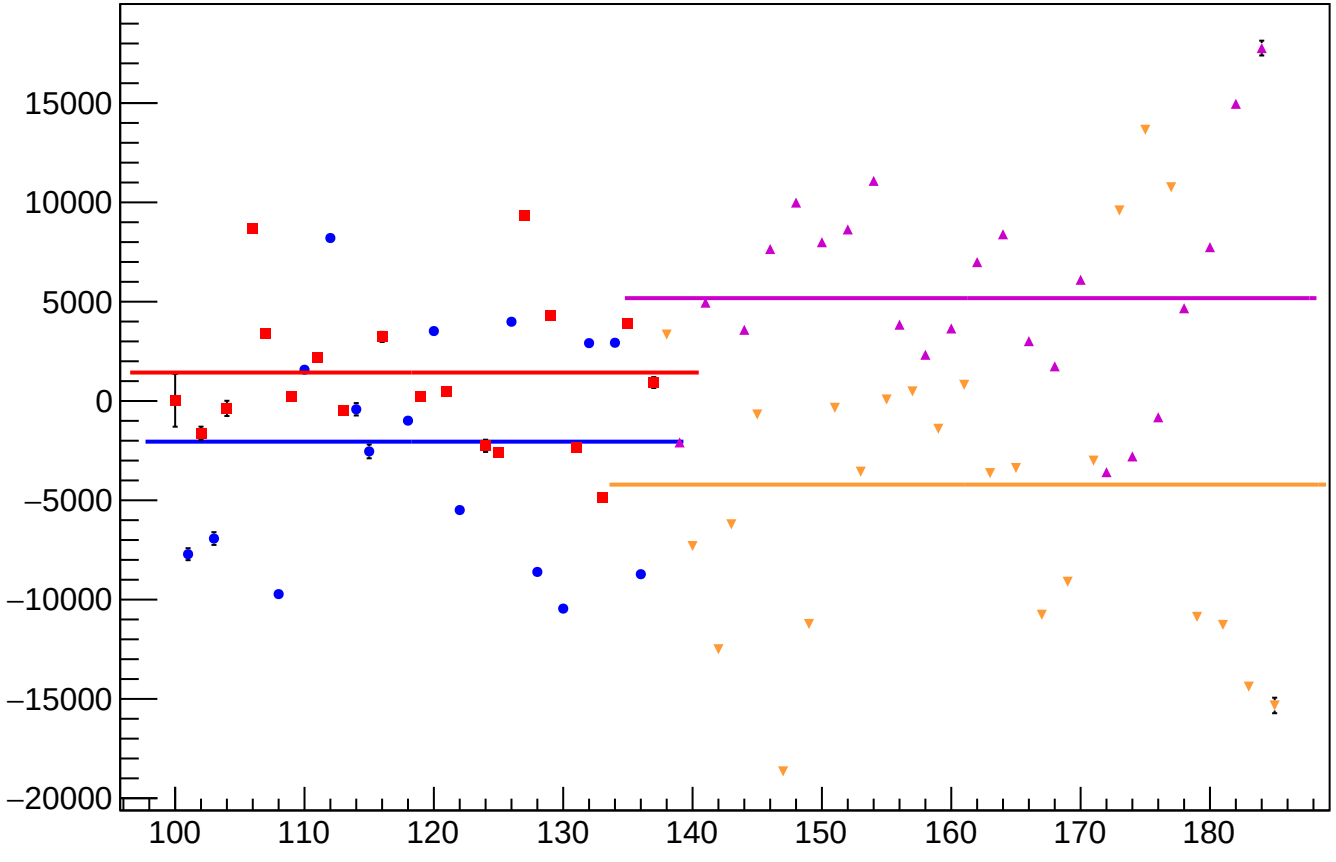
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.321+/-0.033 χ^2/NDF: 1255801.5/40

All: 227.073+/-0.023 χ^2/NDF: 2879495.7/82

- 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: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

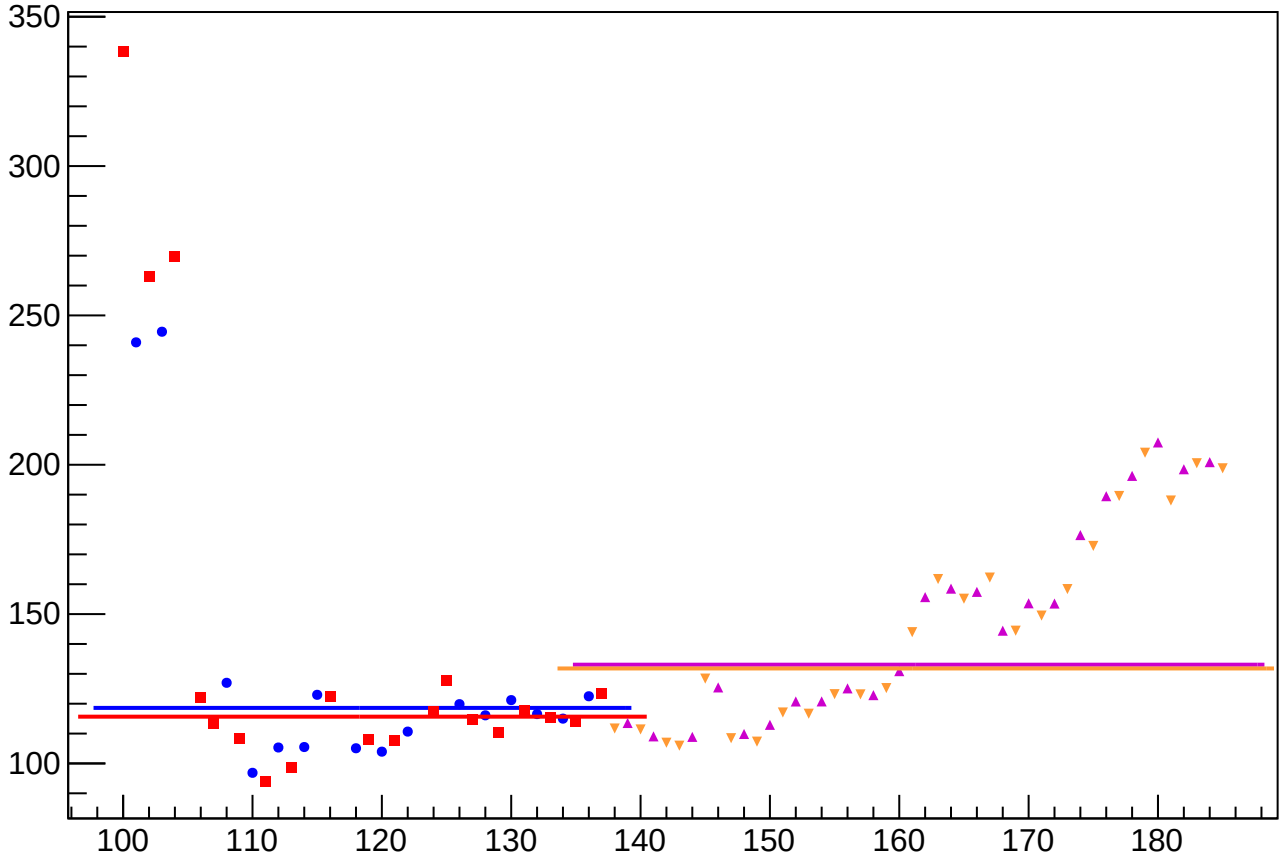
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3554.428+/-25.732 χ^2/NDF: 75005.4/40

All: 138.692+/-18.292 χ^2/NDF: 146220.2/82

- 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: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

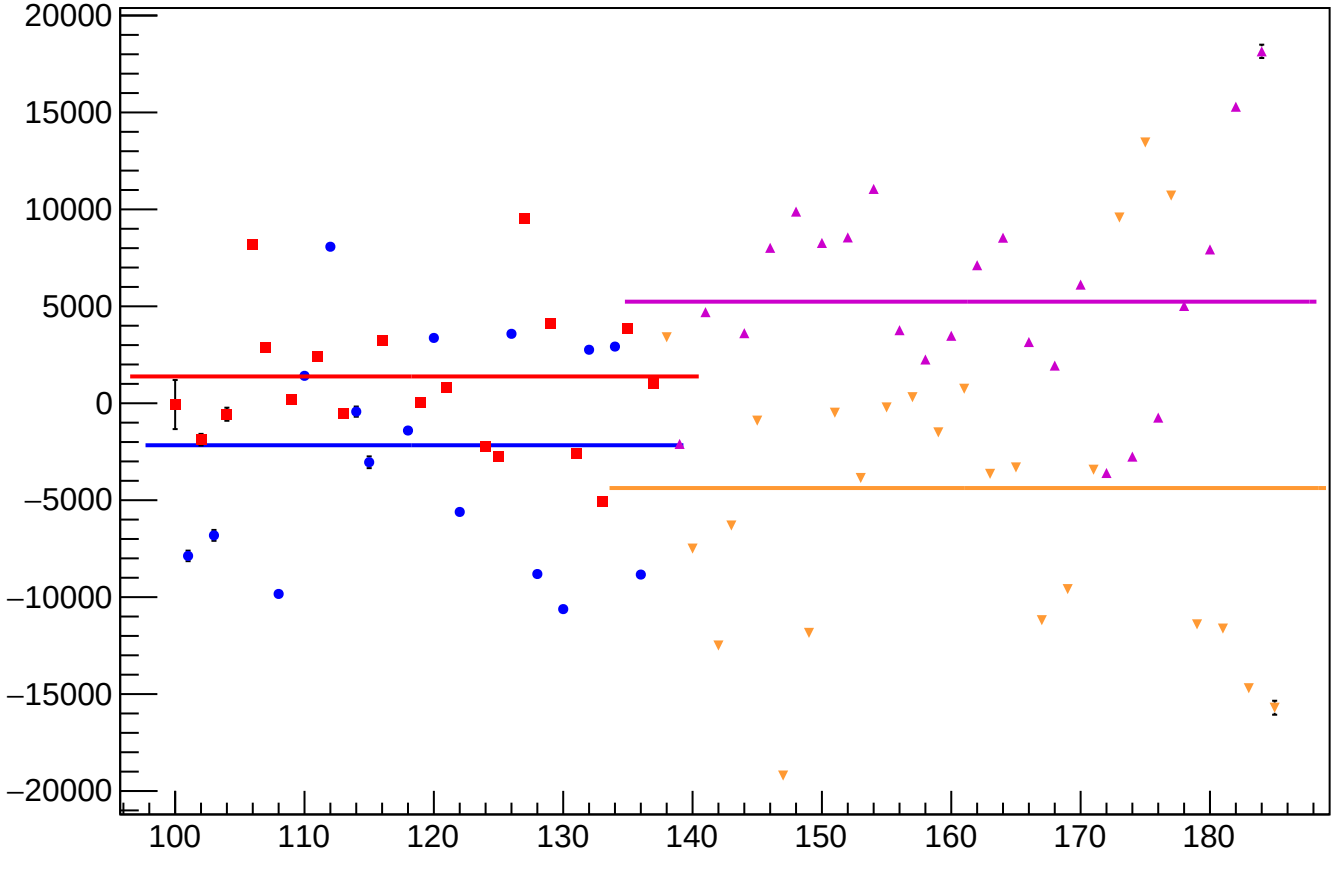
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.793+/-0.018 χ^2/NDF: 2389745.5/40

All: 127.489+/-0.013 χ^2/NDF: 4873131.9/82

- 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: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

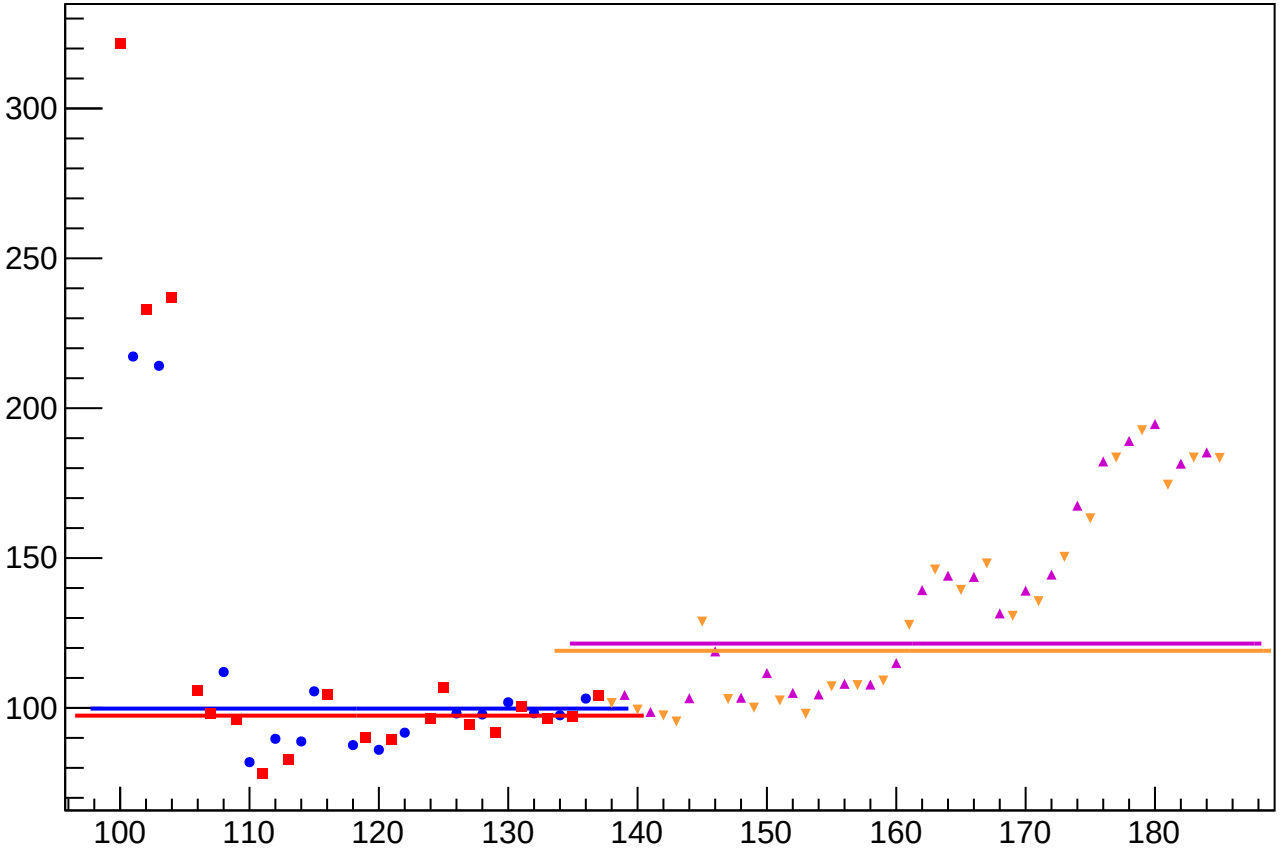
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -3639.528+/-22.844 χ^2/NDF: 92163.9/40

All: 28.708+/-16.269 χ^2/NDF: 182378.9/82

- 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: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

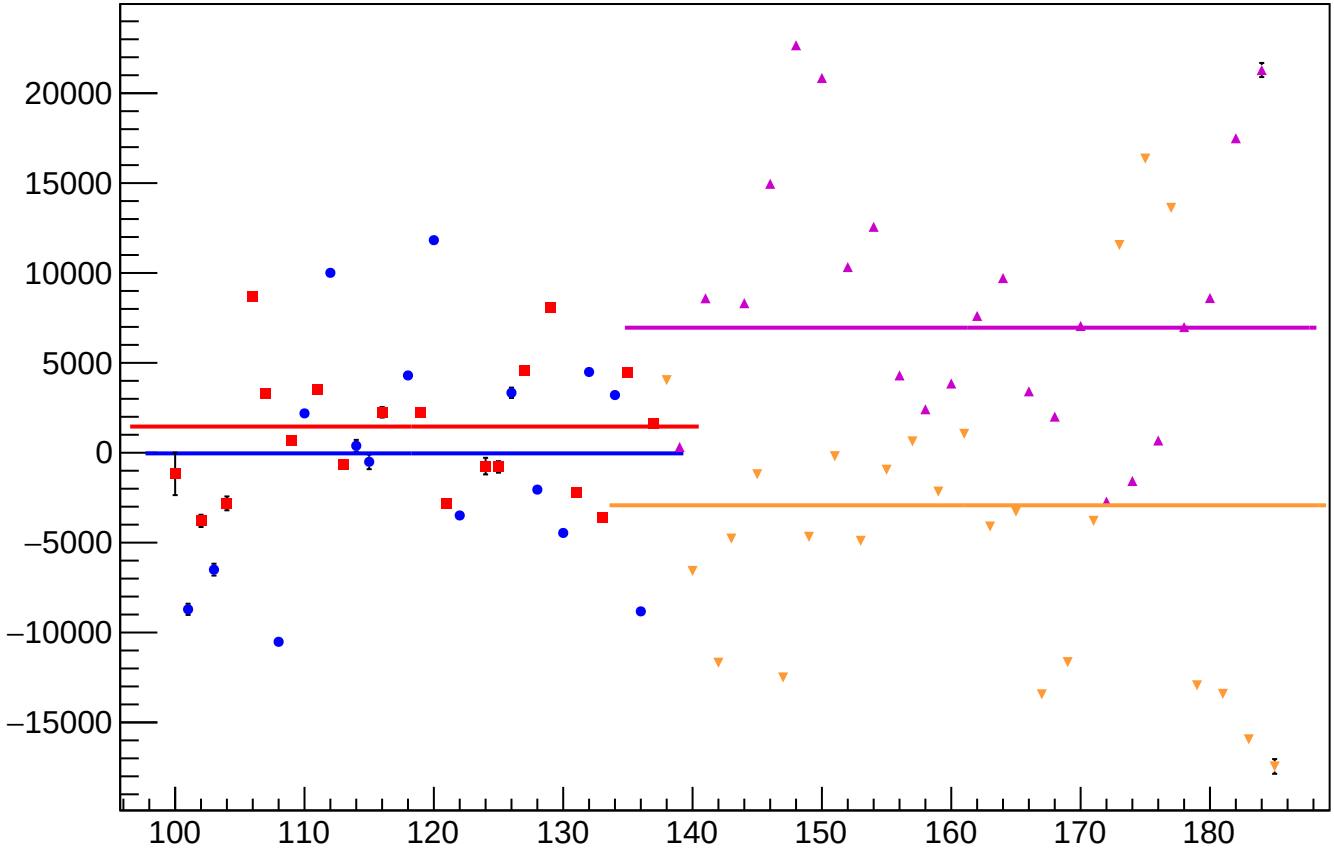
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 112.655+/-0.016 χ^2/NDF: 2880961.5/40

All: 112.587+/-0.012 χ^2/NDF: 5839460.4/82

- 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: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

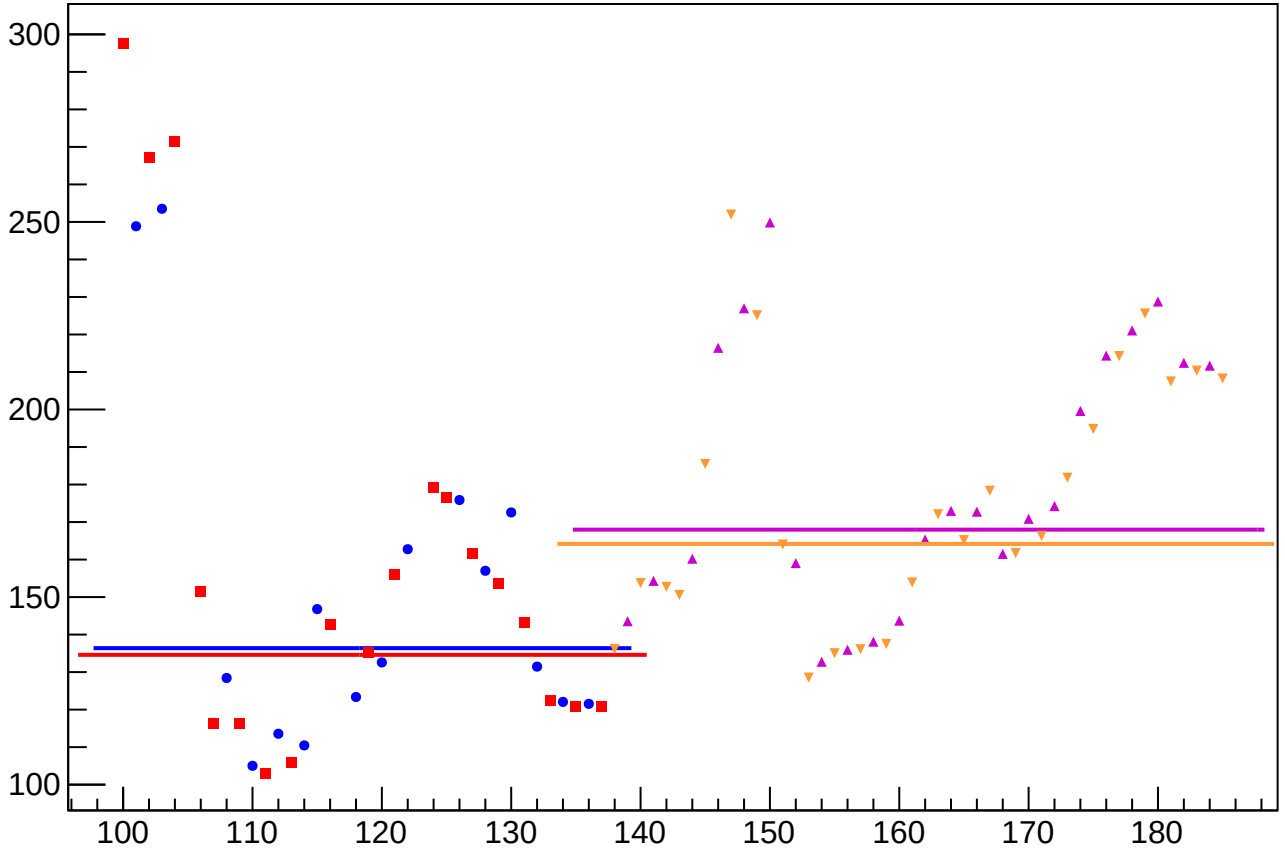
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -1947.409+/-31.074 χ^2/NDF: 56787.9/40

All: 1392.646+/-22.230 χ^2/NDF: 113914.8/82

- 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: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

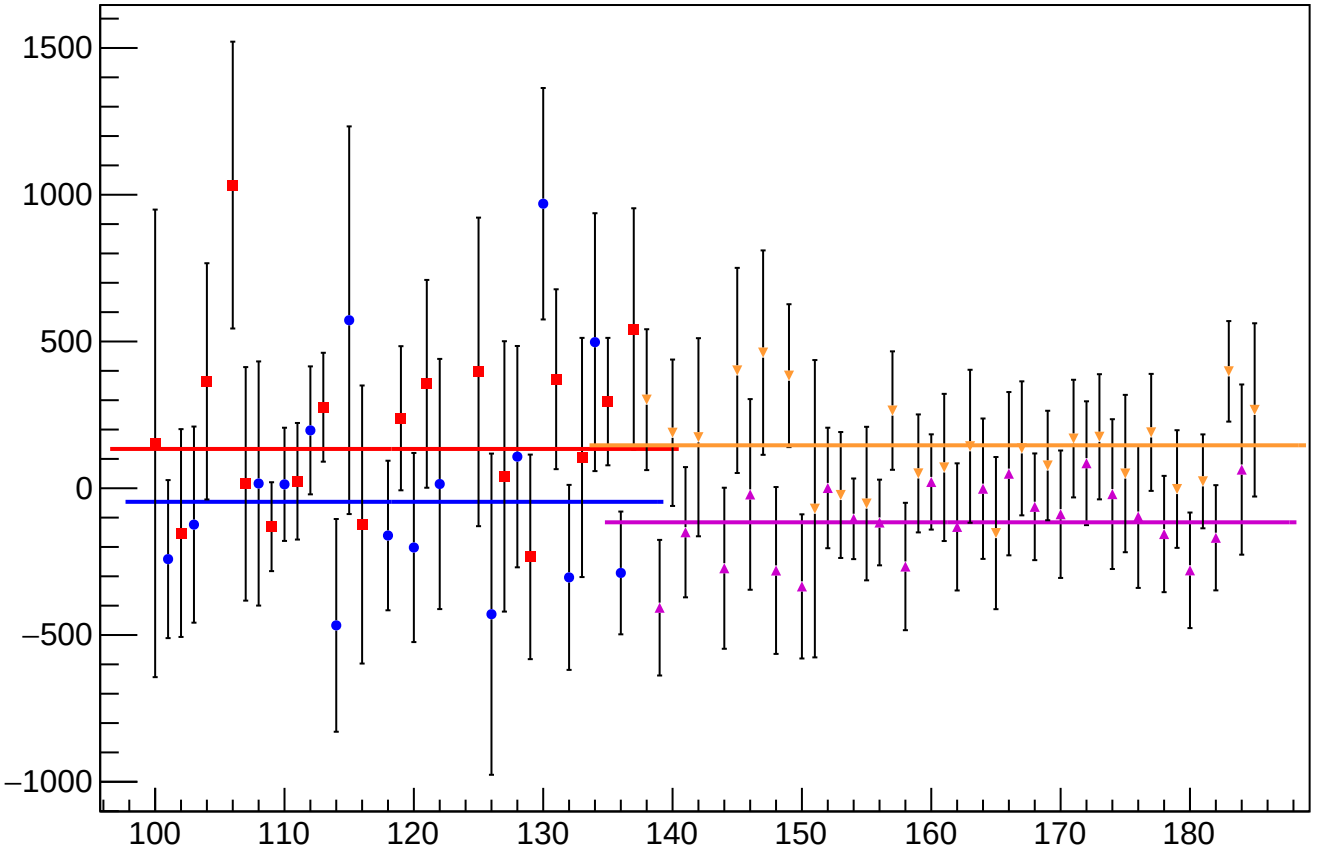
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 154.786+/-0.022 χ^2/NDF: 2379051.8/40

All: 155.113+/-0.016 χ^2/NDF: 5037834.1/82

- 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: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

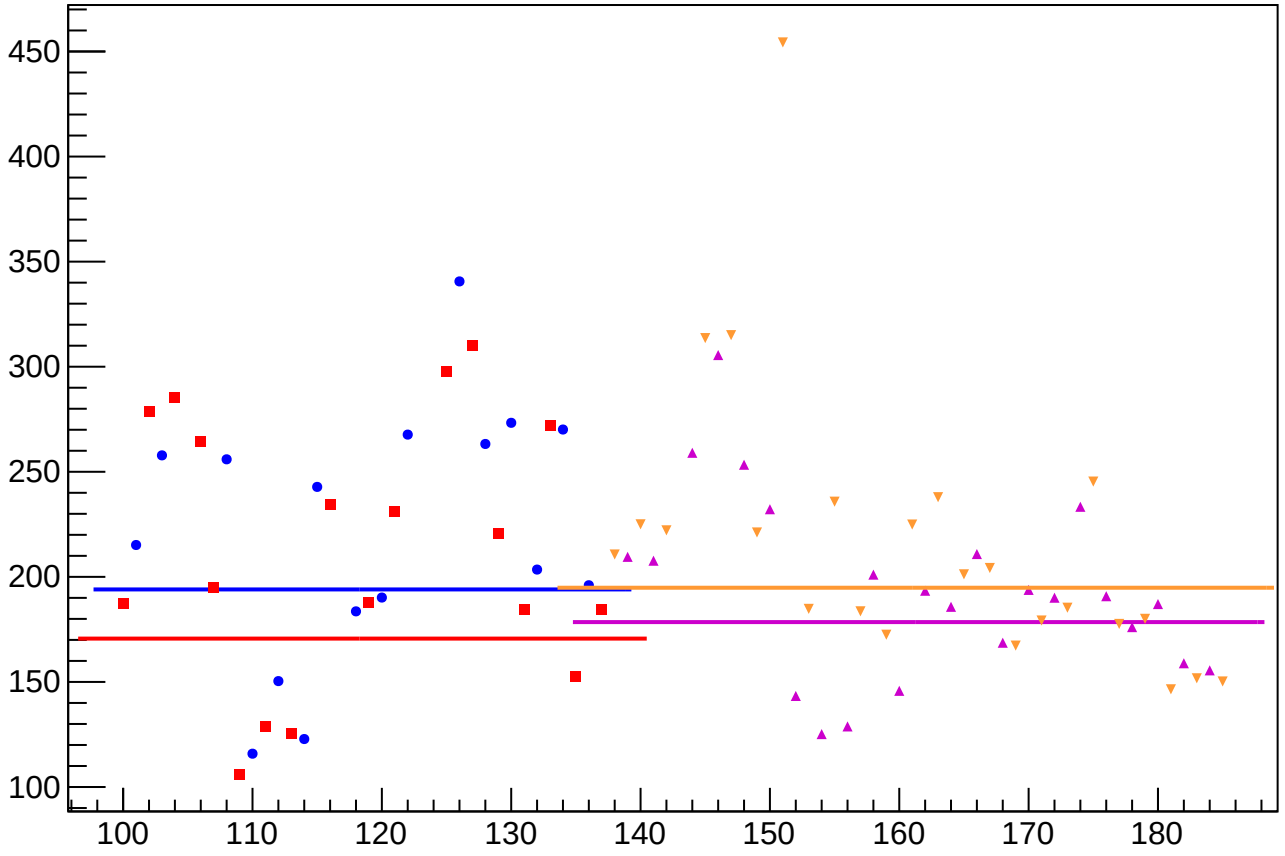
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 93.486+/-39.971 χ^2/NDF: 30.0/39

All: 19.136+/-27.062 χ^2/NDF: 66.4/80

- 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: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

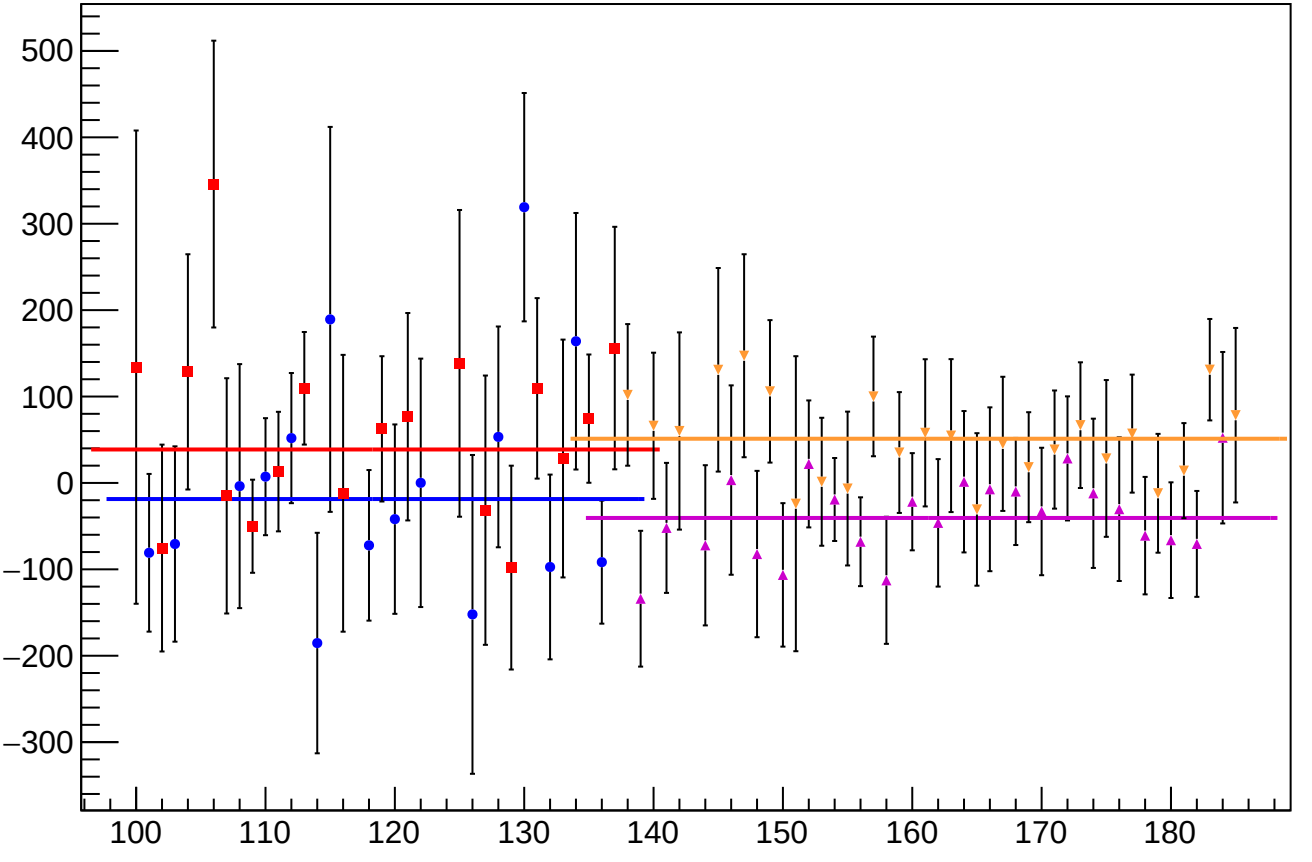
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 194.606+/-0.028 χ^2/NDF: 2796228.0/39

All: 184.641+/-0.019 χ^2/NDF: 6314476.9/80

- 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: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

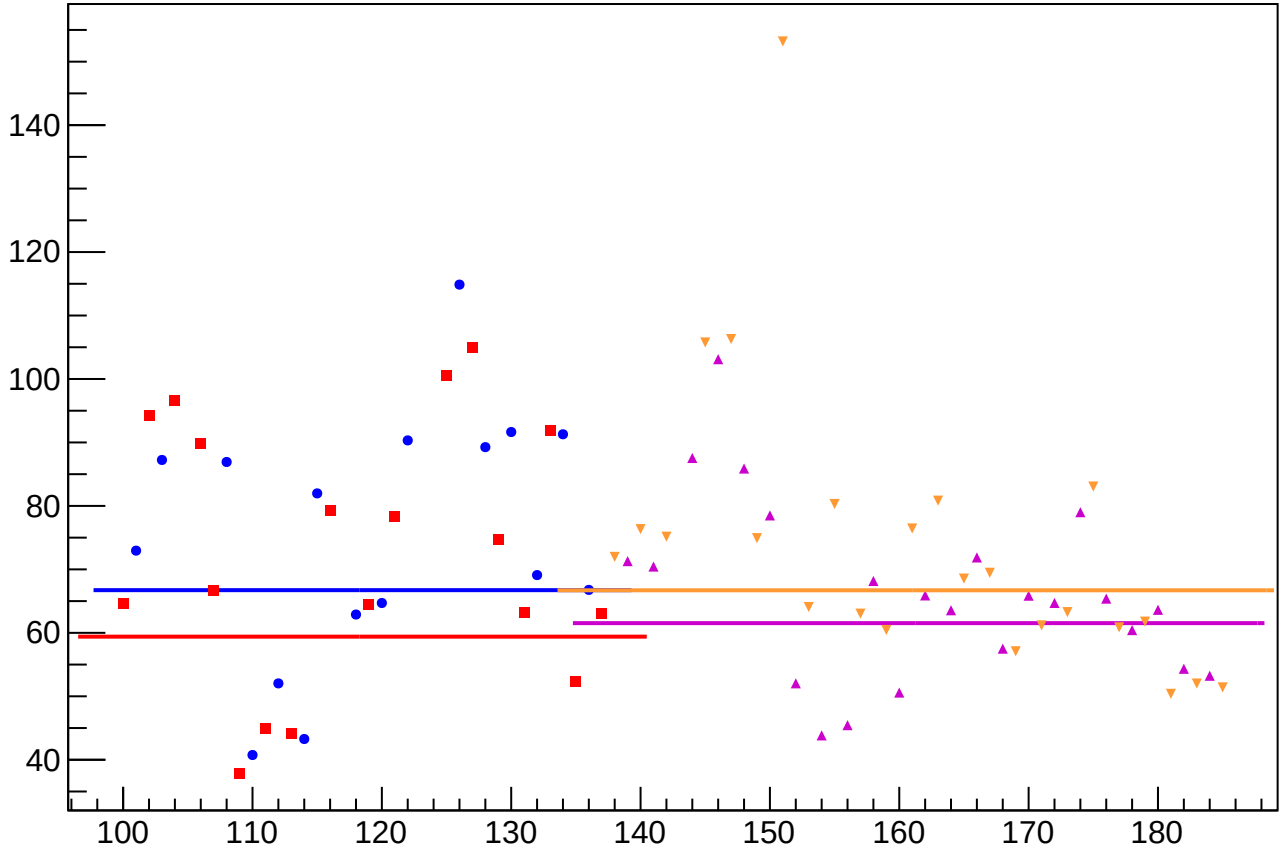
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

\+ sign 32.053+/-13.667 χ^2/NDF: 28.5/39

All: 5.182+/-9.285 χ^2/NDF: 64.2/80

\- 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: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

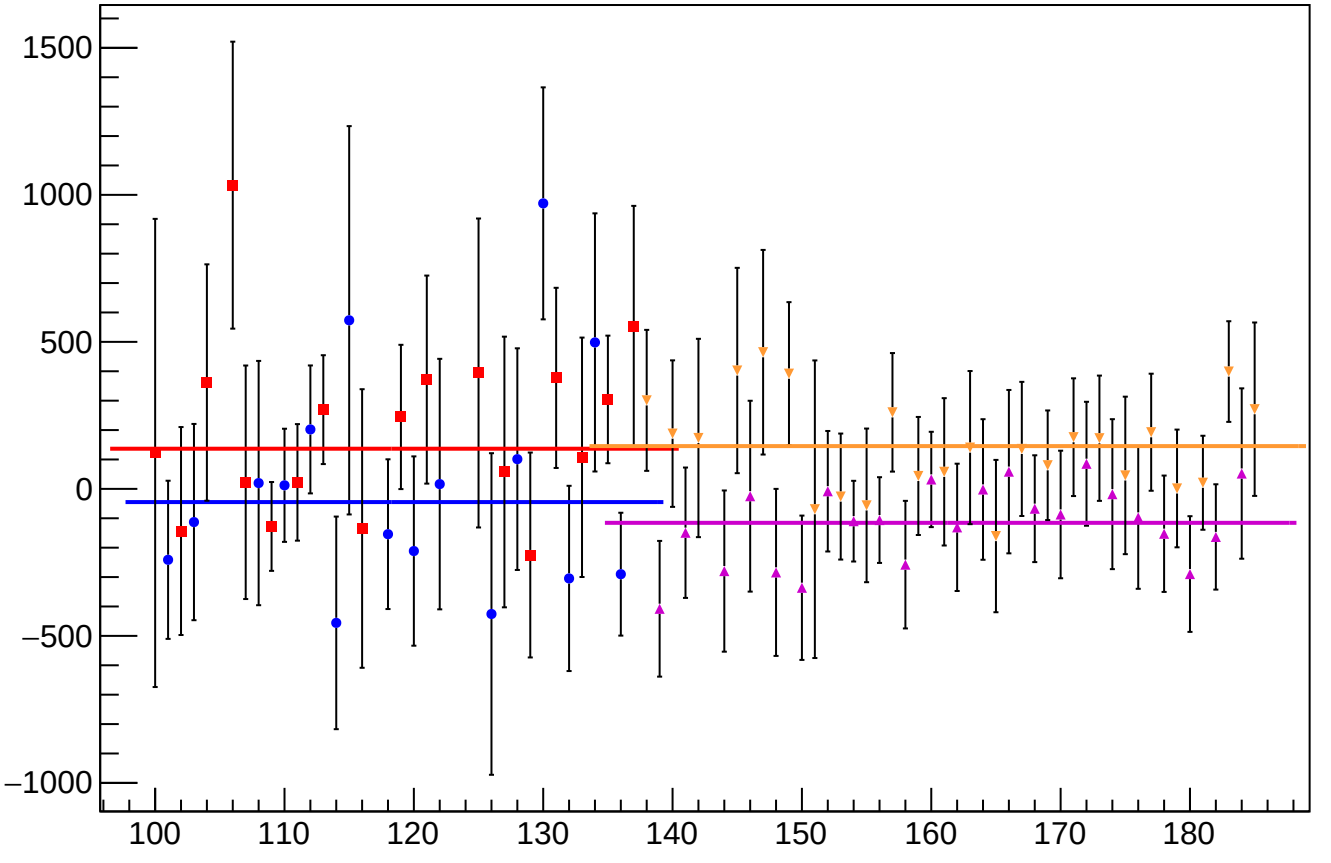
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 66.709+/-0.010 χ^2/NDF: 2623371.0/39

All: 63.592+/-0.007 χ^2/NDF: 5763370.8/80

- 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: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

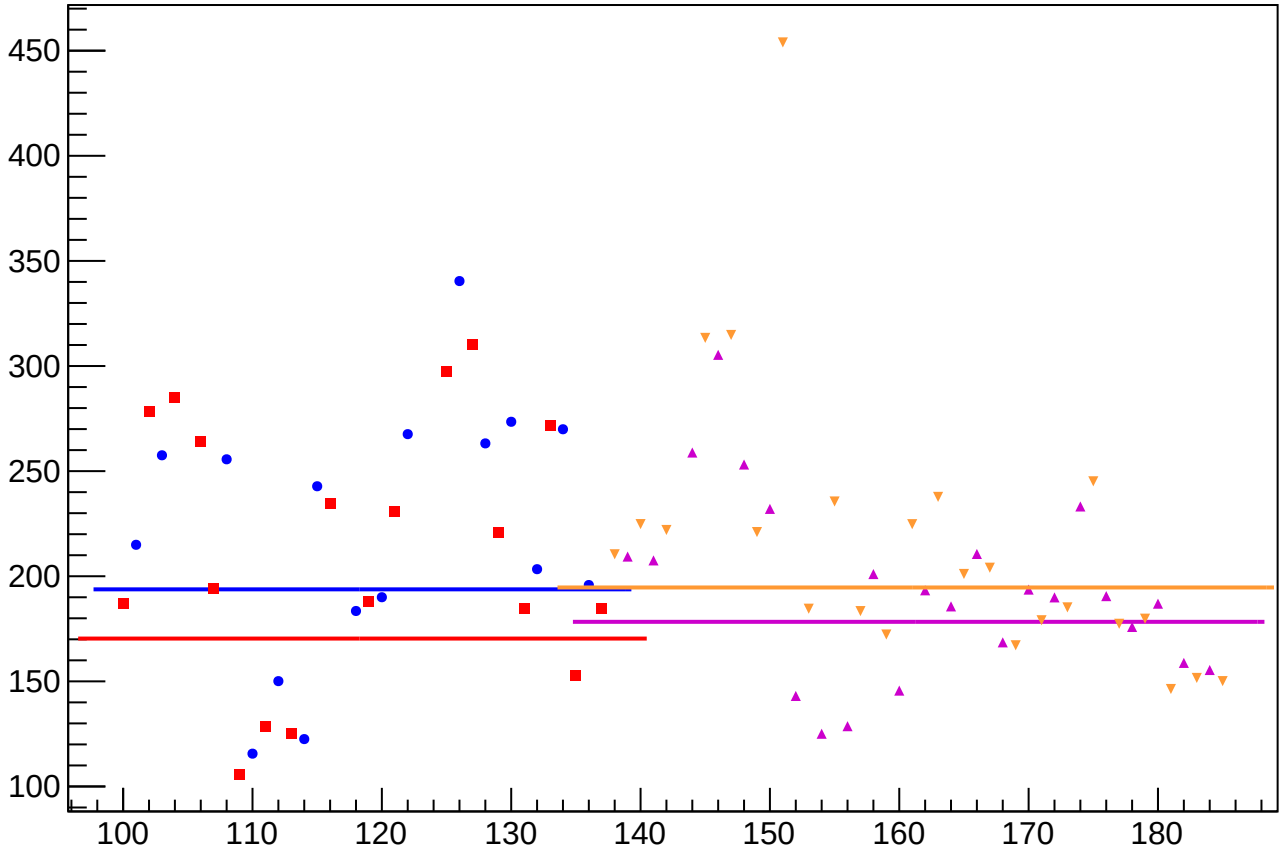
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 93.183+/-39.934 χ^2/NDF: 30.2/39

All: 19.625+/-27.036 χ^2/NDF: 66.8/80

- 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: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

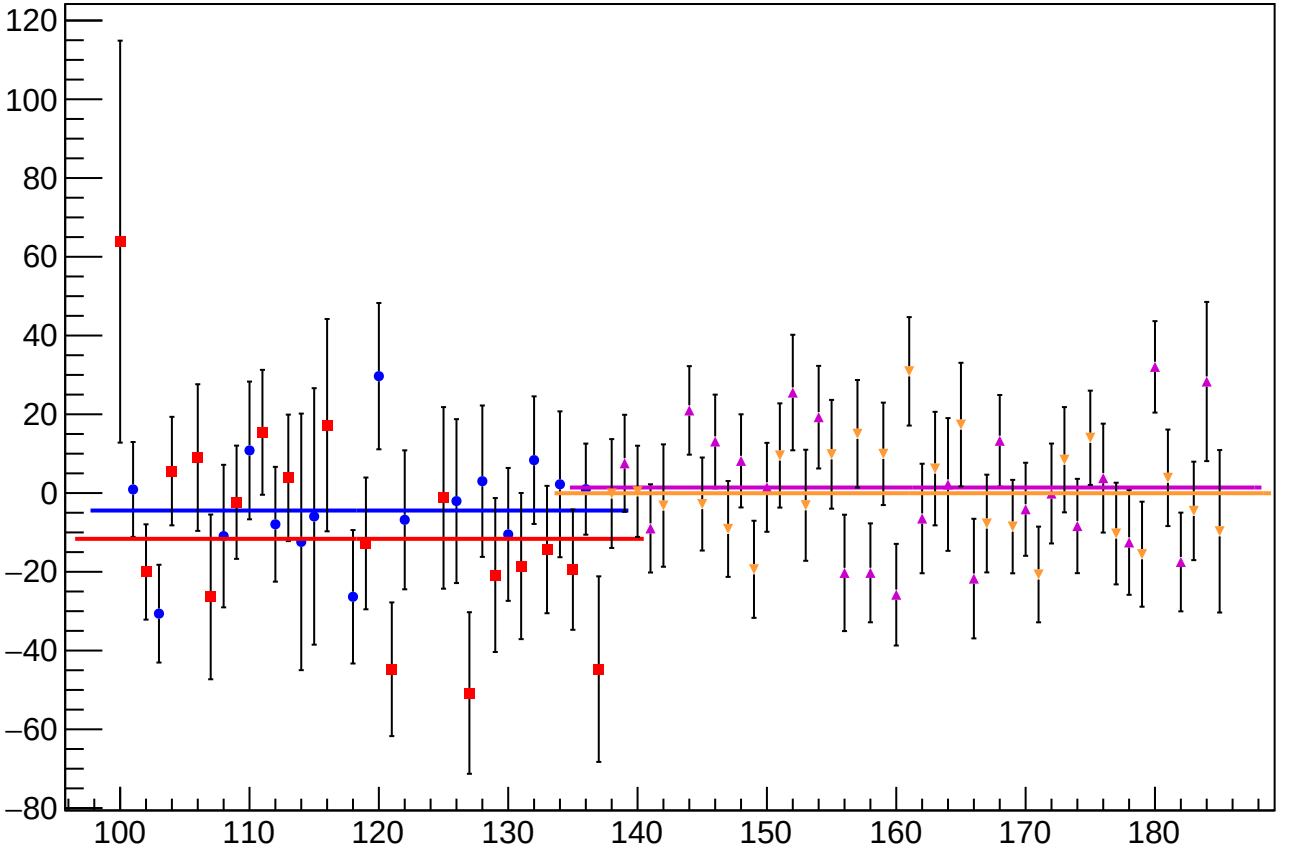
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 194.414+/-0.028 χ^2/NDF: 2801413.5/39

All: 184.449+/-0.019 χ^2/NDF: 6328005.3/80

- 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: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

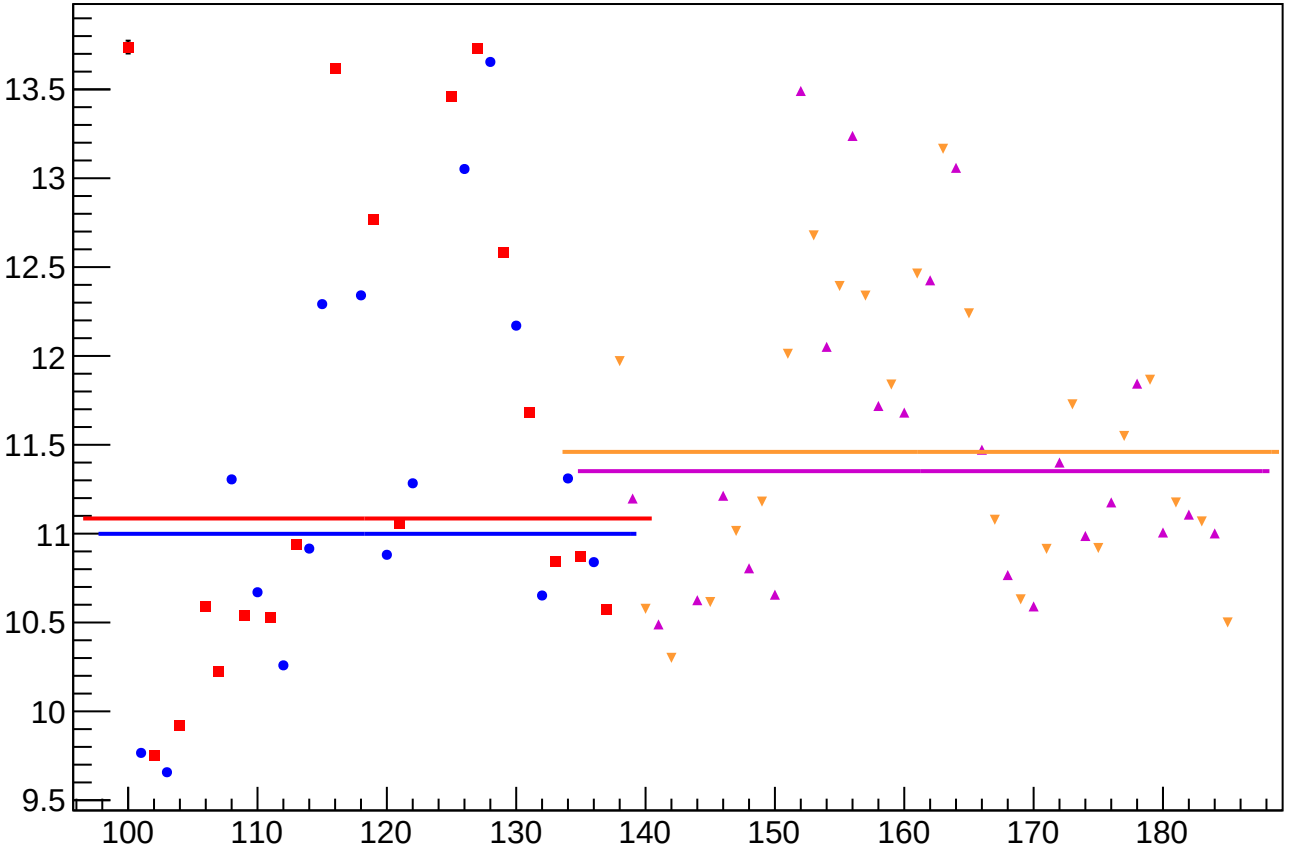
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.351+/-2.251 χ^2/NDF: 33.2/39

All: -1.894+/-1.590 χ^2/NDF: 98.3/80

- 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: 11.460+/-0.002 χ^2/NDF:150430.0/23

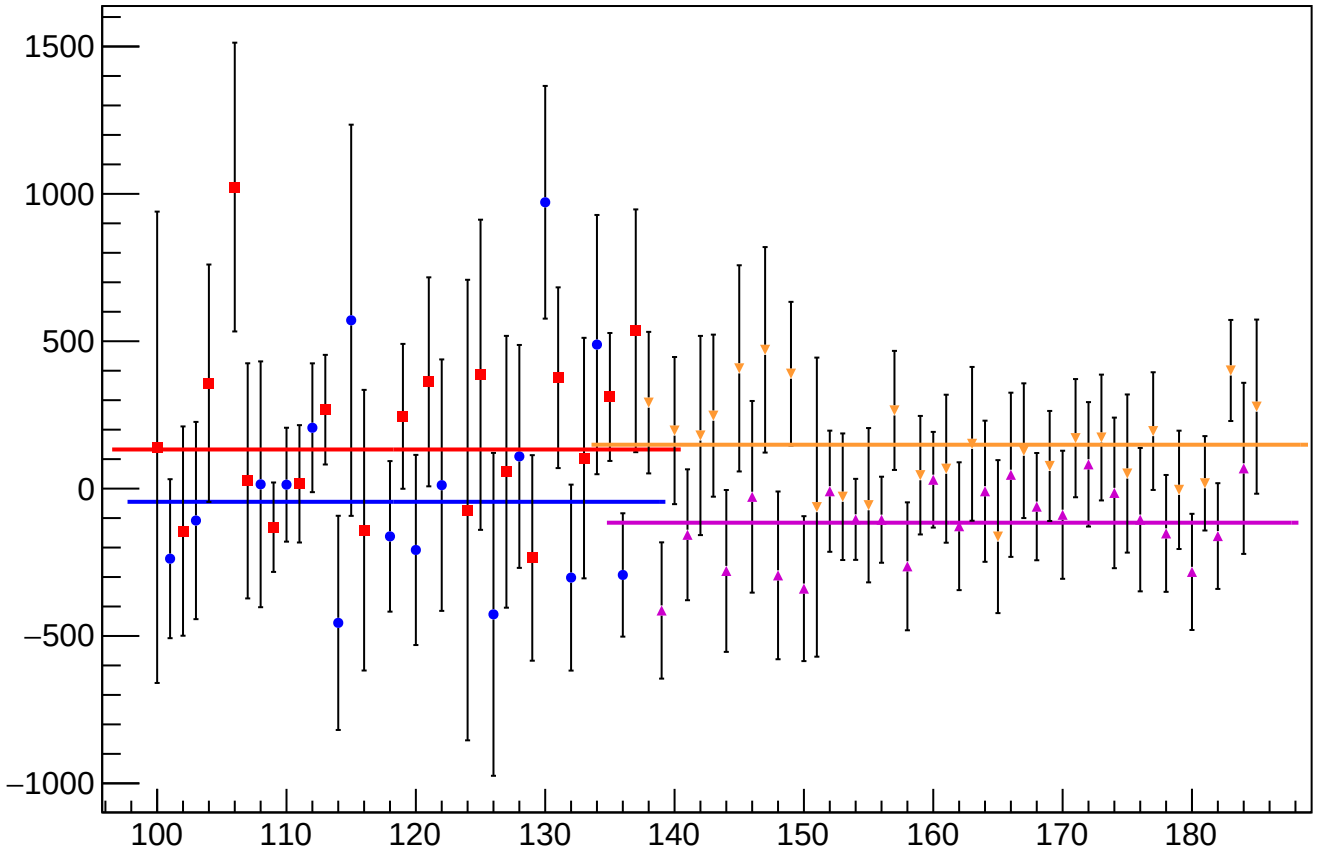
Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.323+/-0.002 χ^2/NDF: 304105.8/39

All: 11.298+/-0.001 χ^2/NDF: 643218.7/80

- 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: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

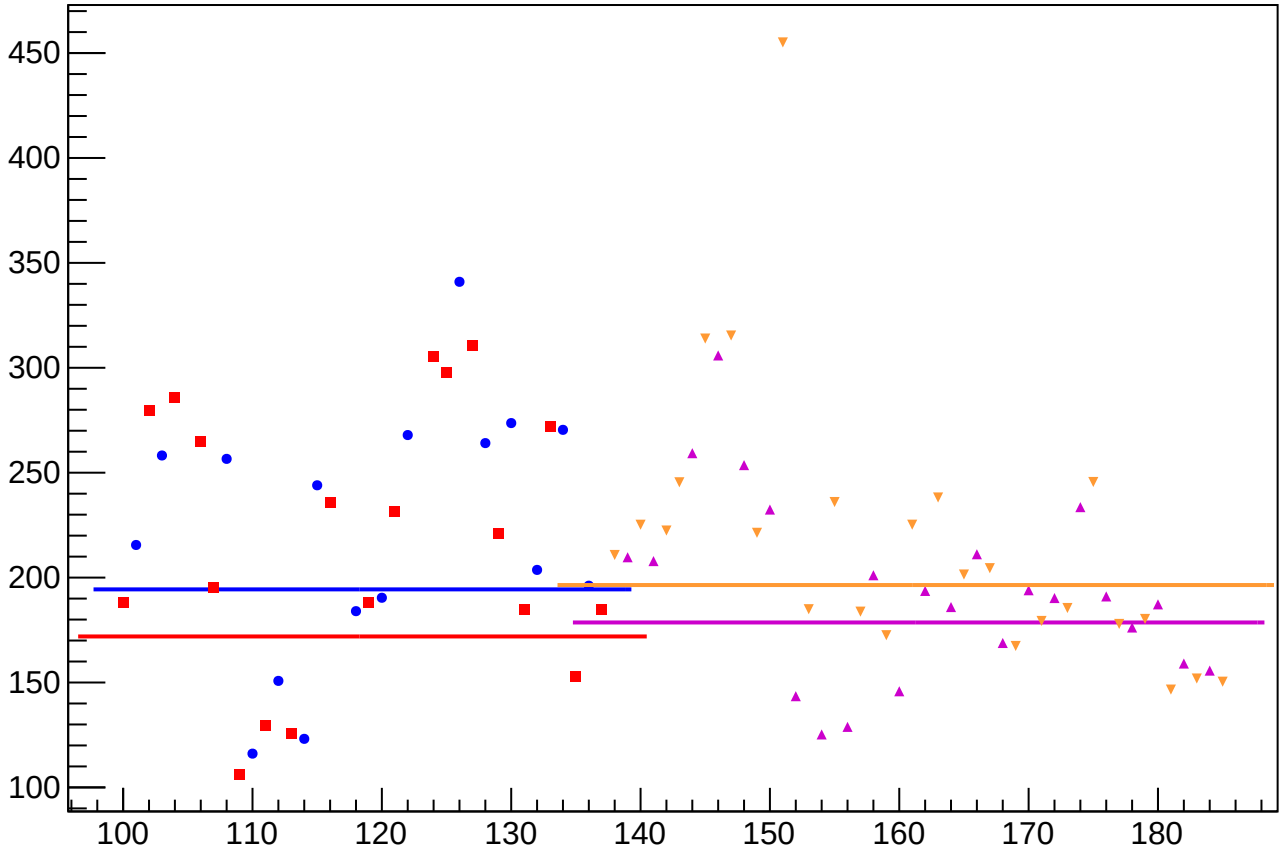
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 96.888+/-39.604 χ^2/NDF: 30.6/40

All: 21.417+/-26.946 χ^2/NDF: 67.4/82

- 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: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

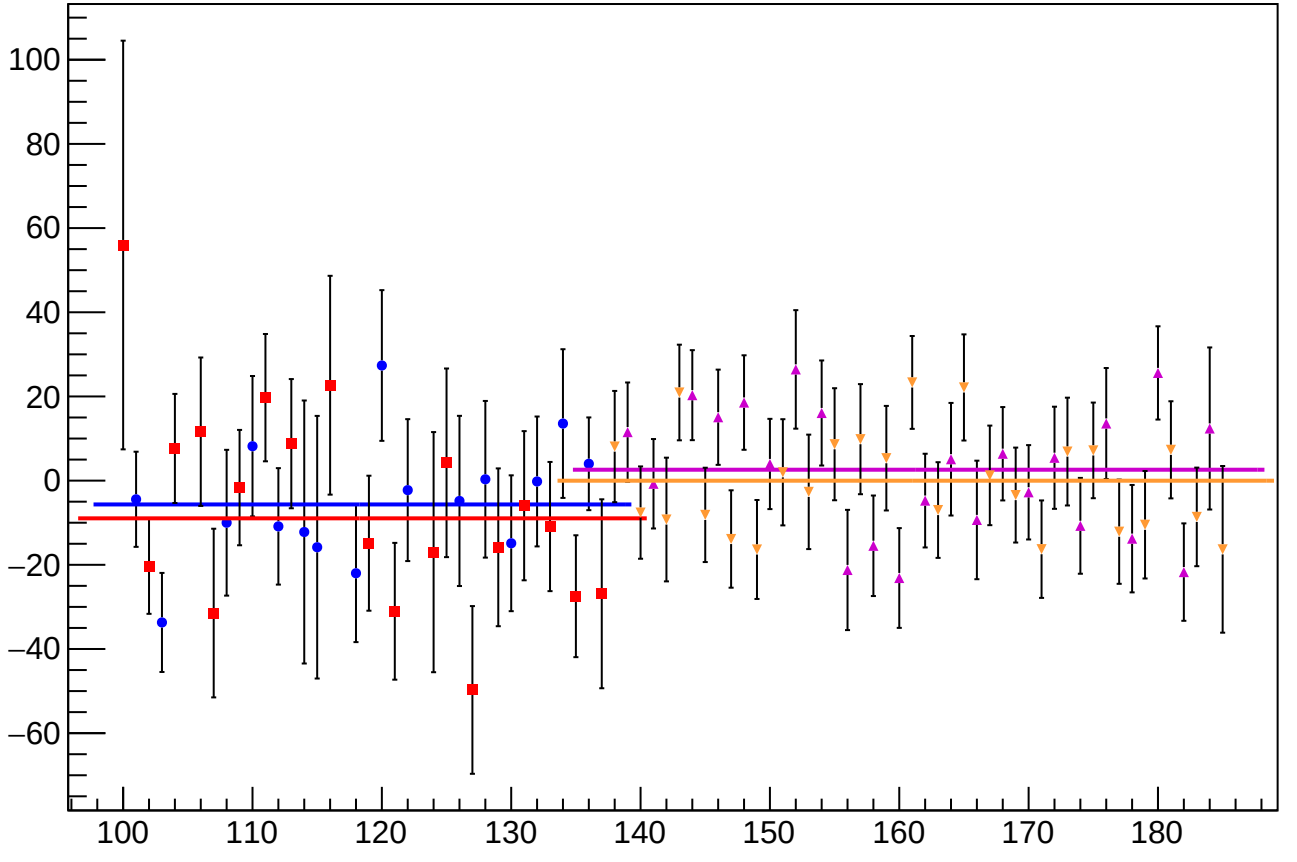
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 195.899+/-0.028 χ^2/NDF: 2861842.7/40

All: 185.578+/-0.019 χ^2/NDF: 6458509.0/82

- 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: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

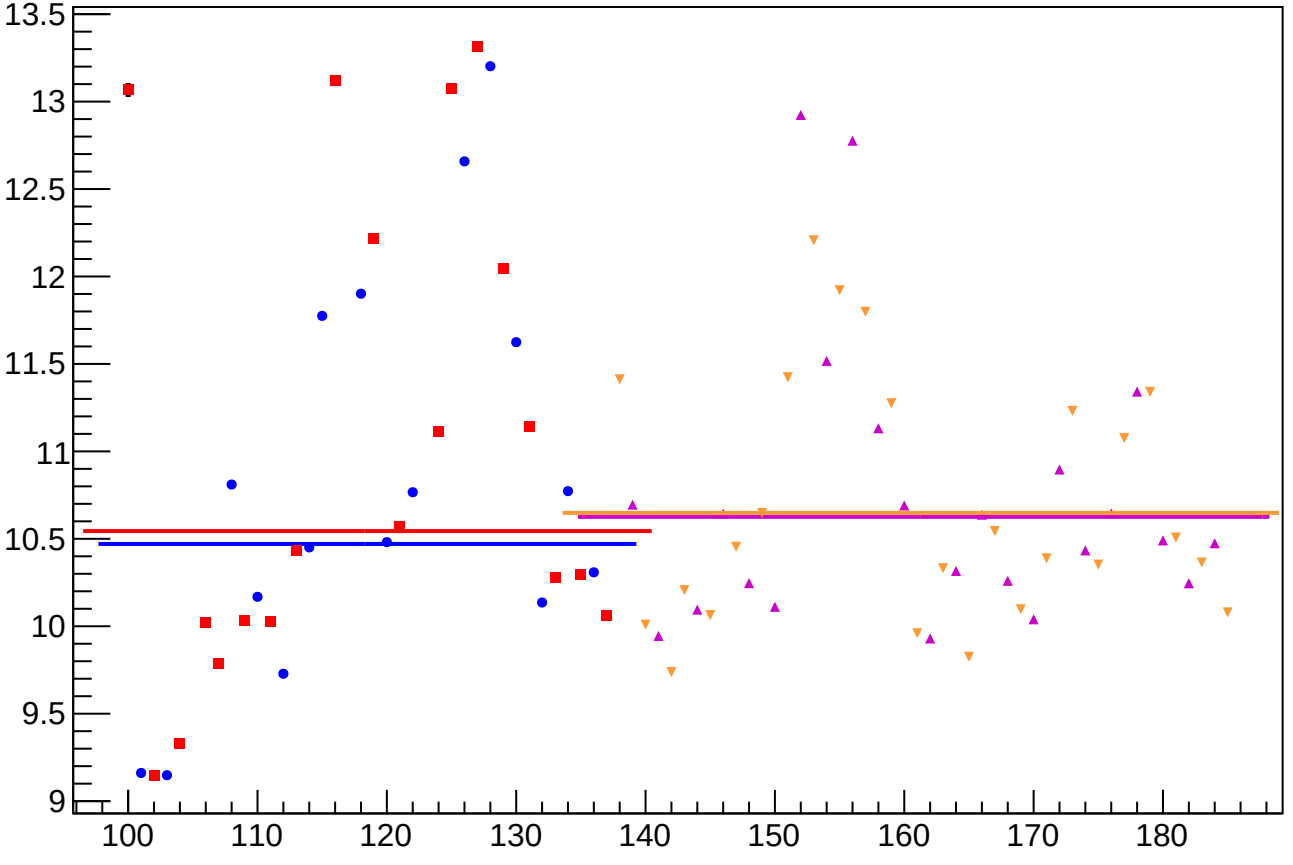
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.586+/-2.077 χ^2/NDF: 38.9/40

All: -1.191+/-1.480 χ^2/NDF: 102.7/82

- 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: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

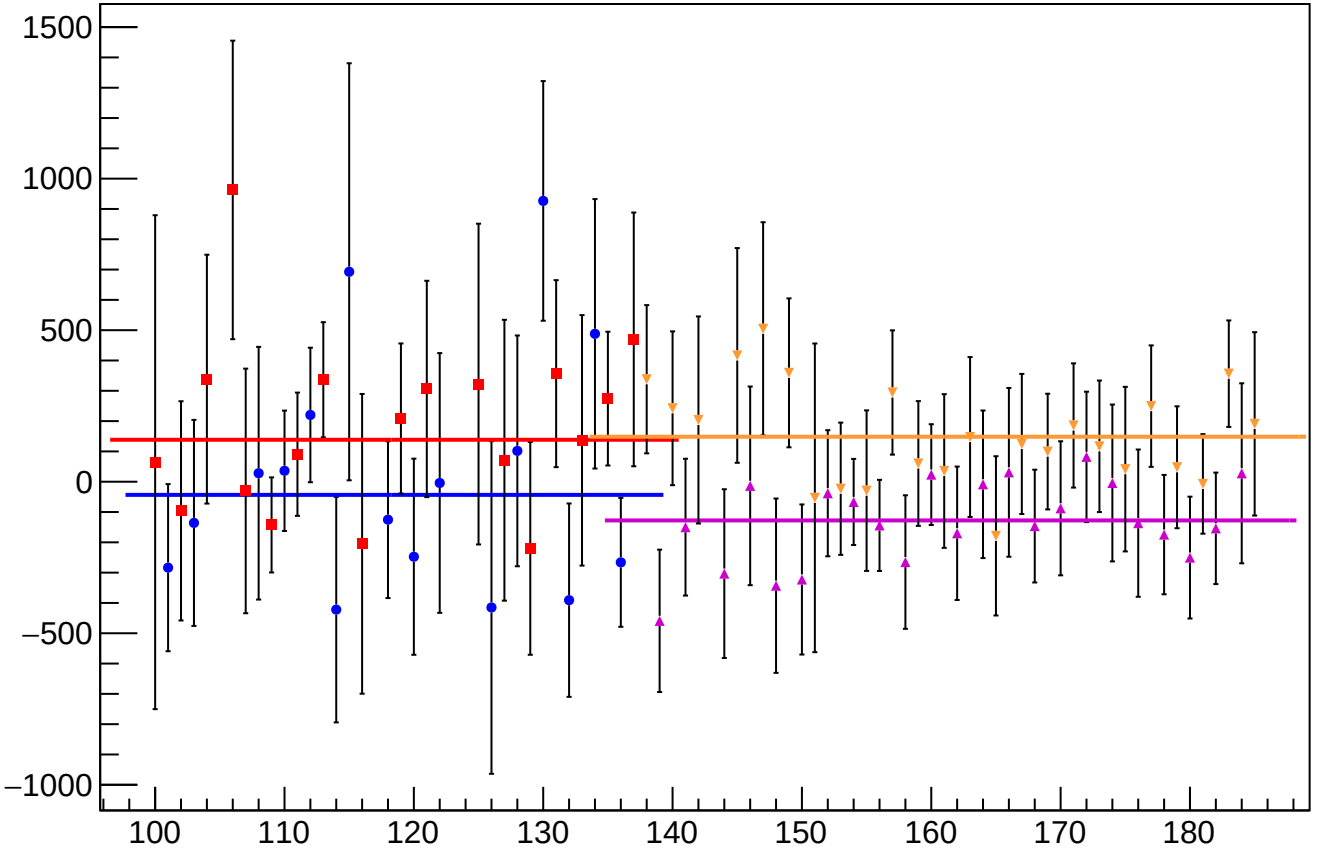
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.599+/-0.001 χ^2/NDF: 303838.5/40

All: 10.600+/-0.001 χ^2/NDF: 650779.1/82

- 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: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

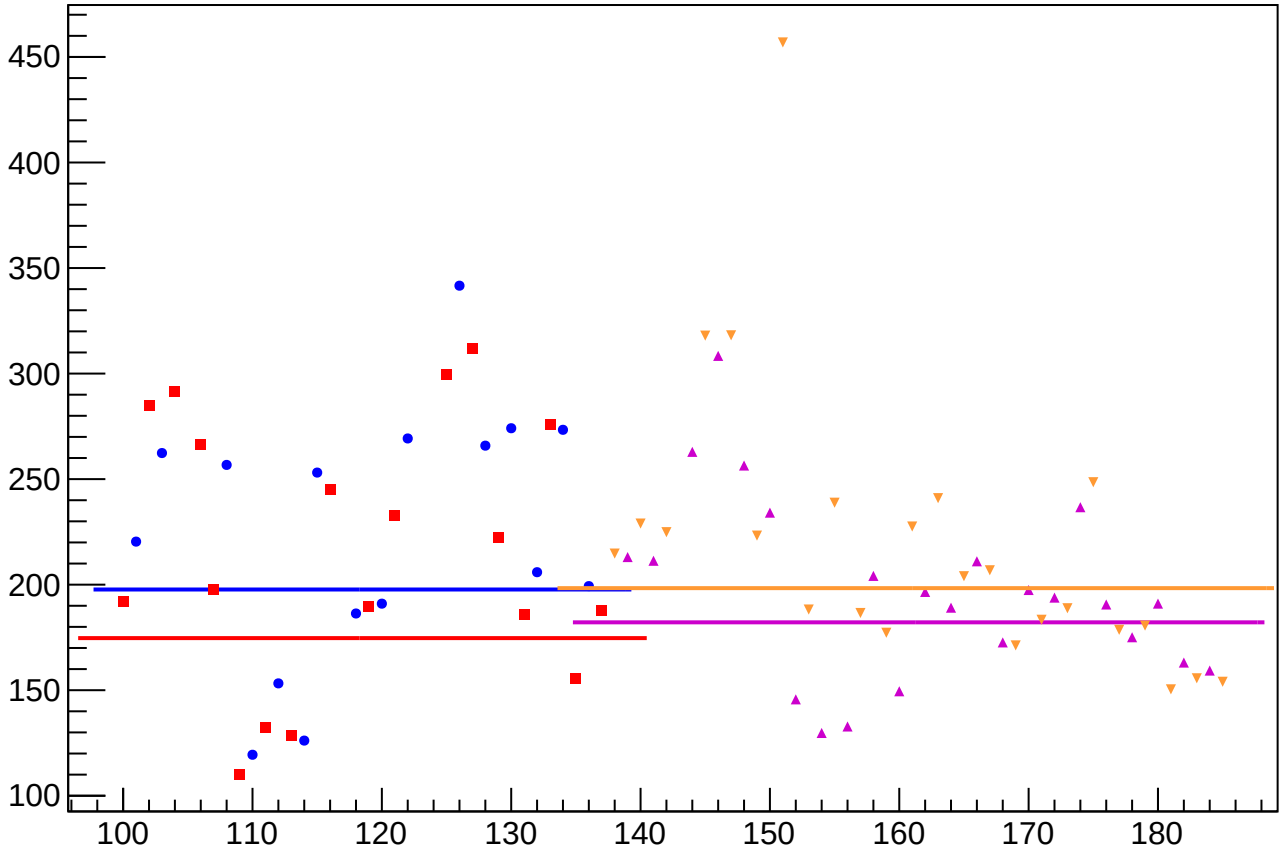
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 95.788+/-40.647 χ^2/NDF: 29.8/39

All: 16.448+/-27.556 χ^2/NDF: 66.5/80

- 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: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

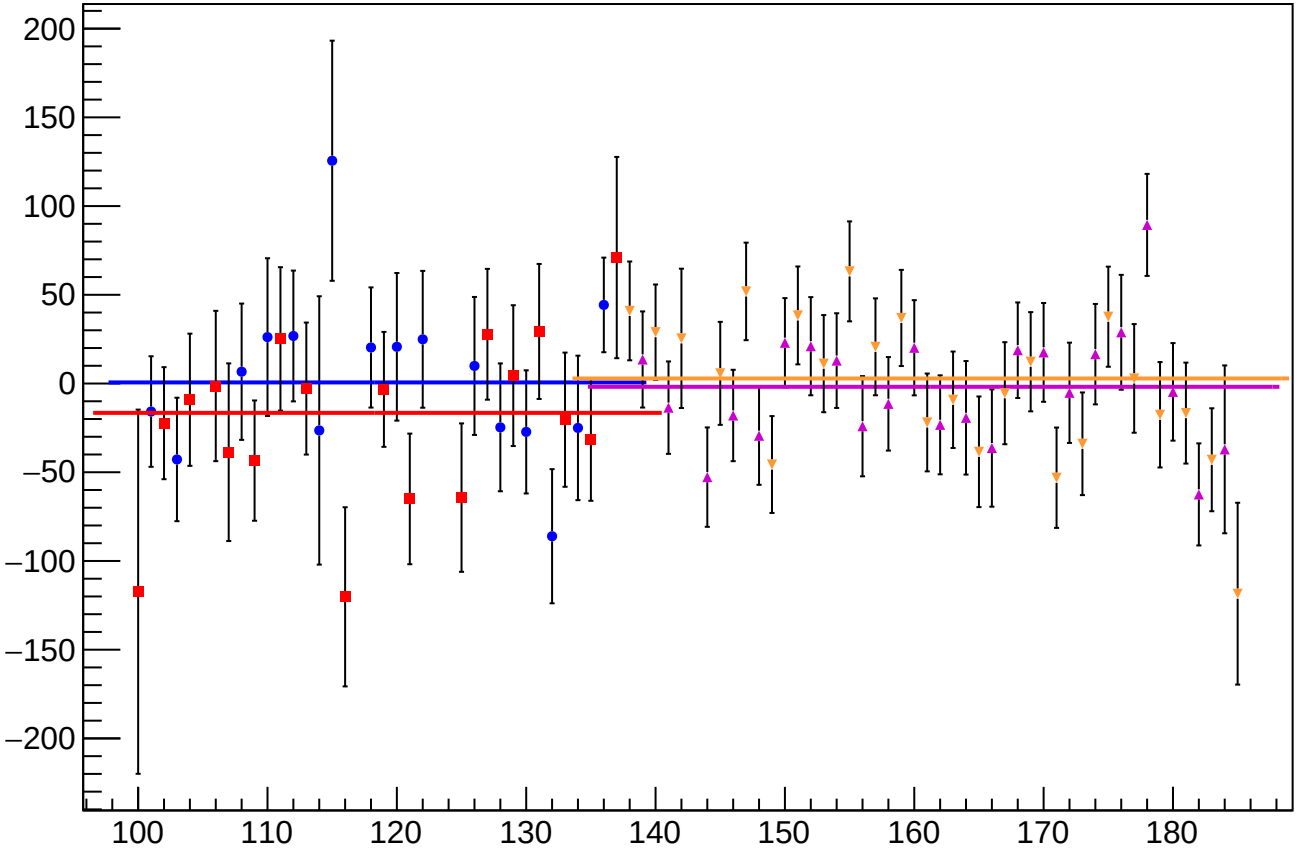
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 198.175+/-0.029 χ^2/NDF: 2697482.8/39

All: 188.351+/-0.019 χ^2/NDF: 6049034.7/80

- 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: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

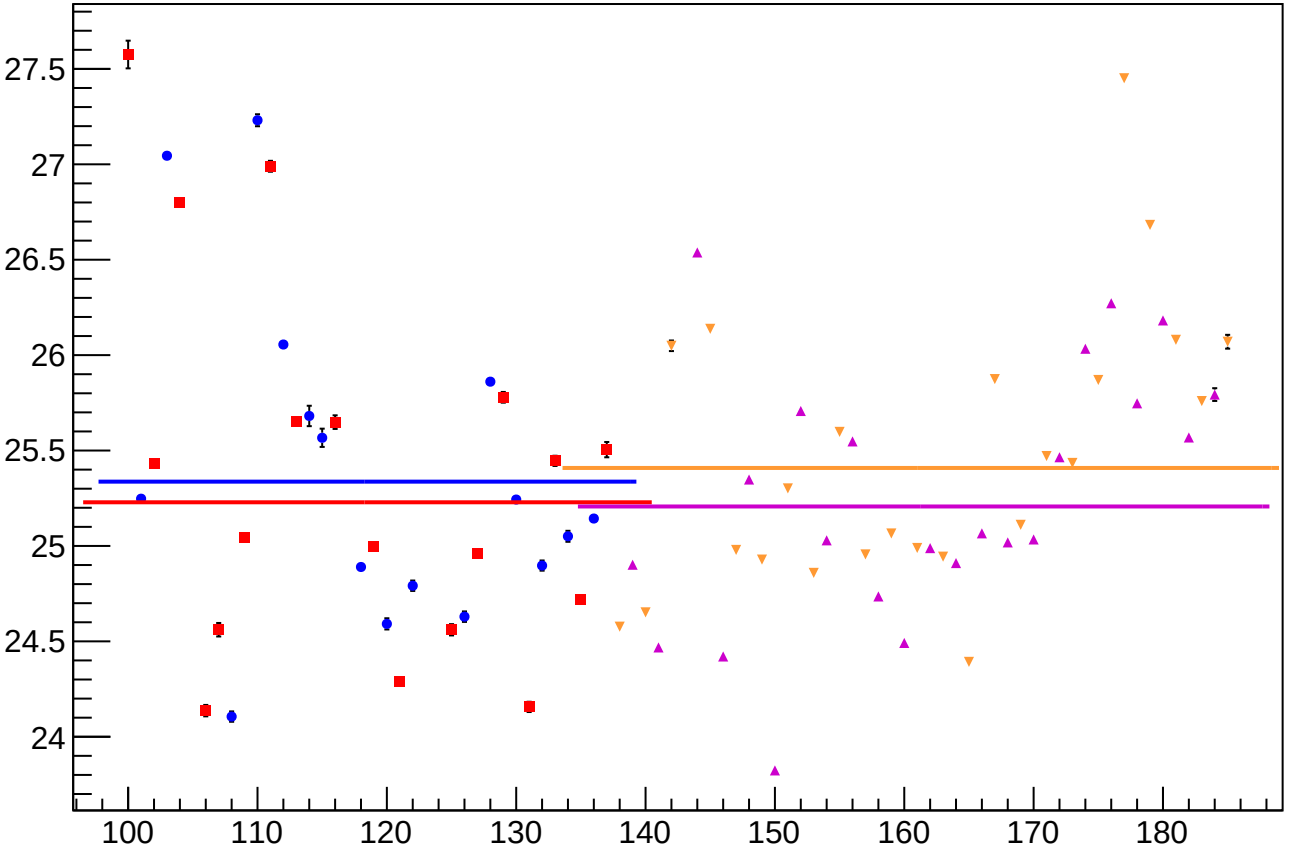
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.221+/-5.003 χ^2/NDF: 53.7/39

All: -1.936+/-3.529 χ^2/NDF: 101.3/80

- sign -6.052+/-4.979 χ^2/NDF: 46.2/40

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

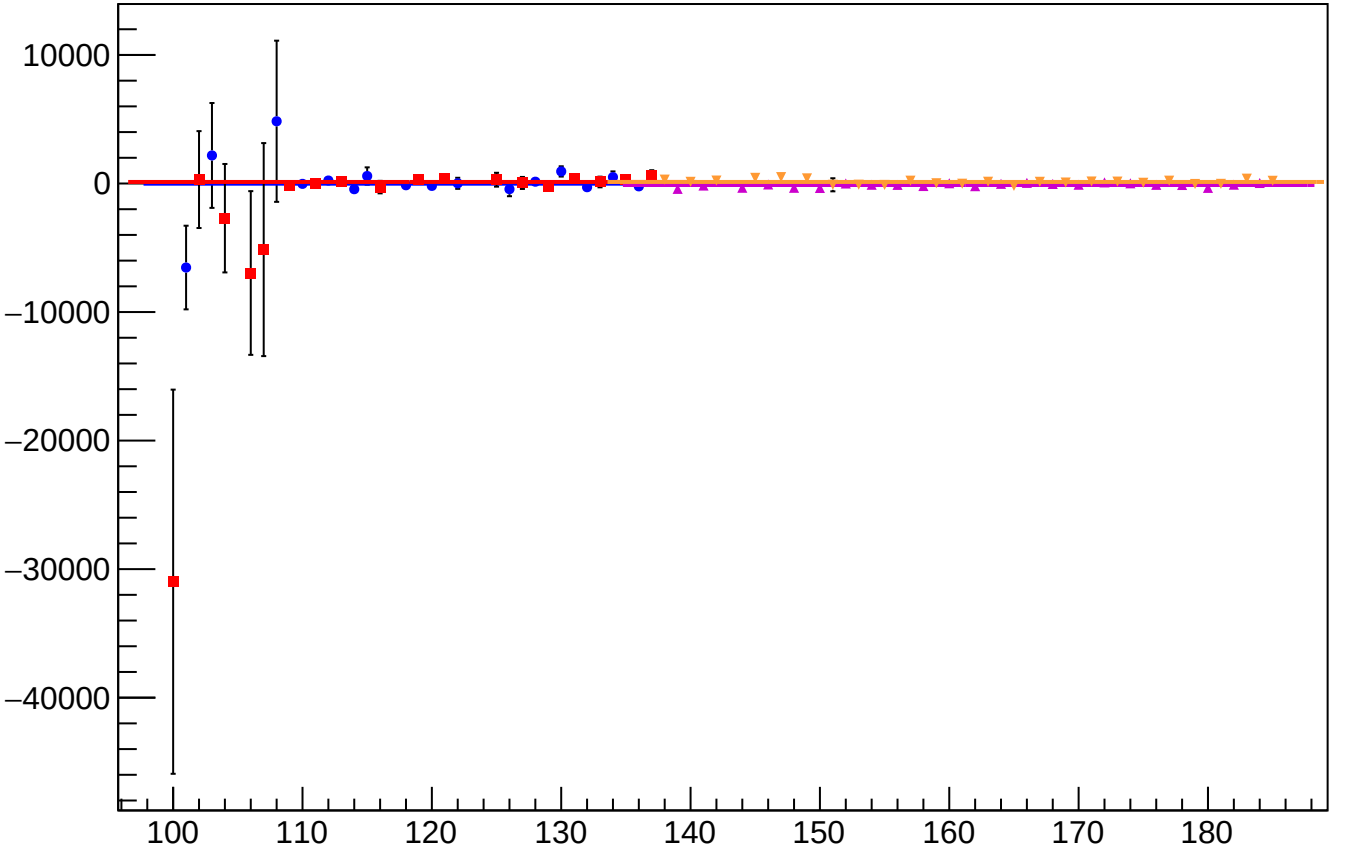
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.389+/-0.004 χ^2/NDF: 41261.8/39

All: 25.300+/-0.002 χ^2/NDF: 83508.0/80

- sign 25.213+/-0.004 χ^2/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: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

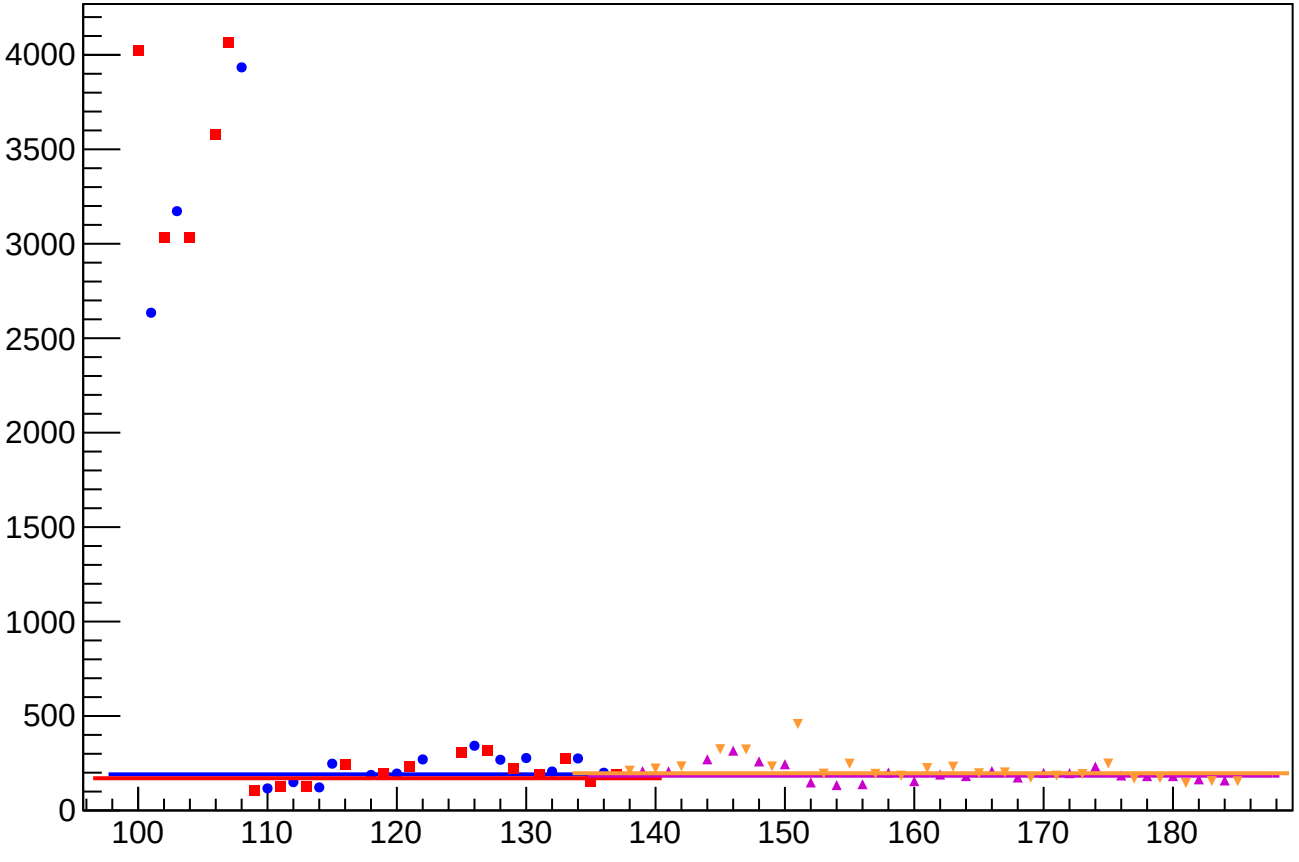
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 88.229+/-41.361 χ^2/NDF: 32.1/39

All: 10.603+/-28.325 χ^2/NDF: 68.4/80

- 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: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

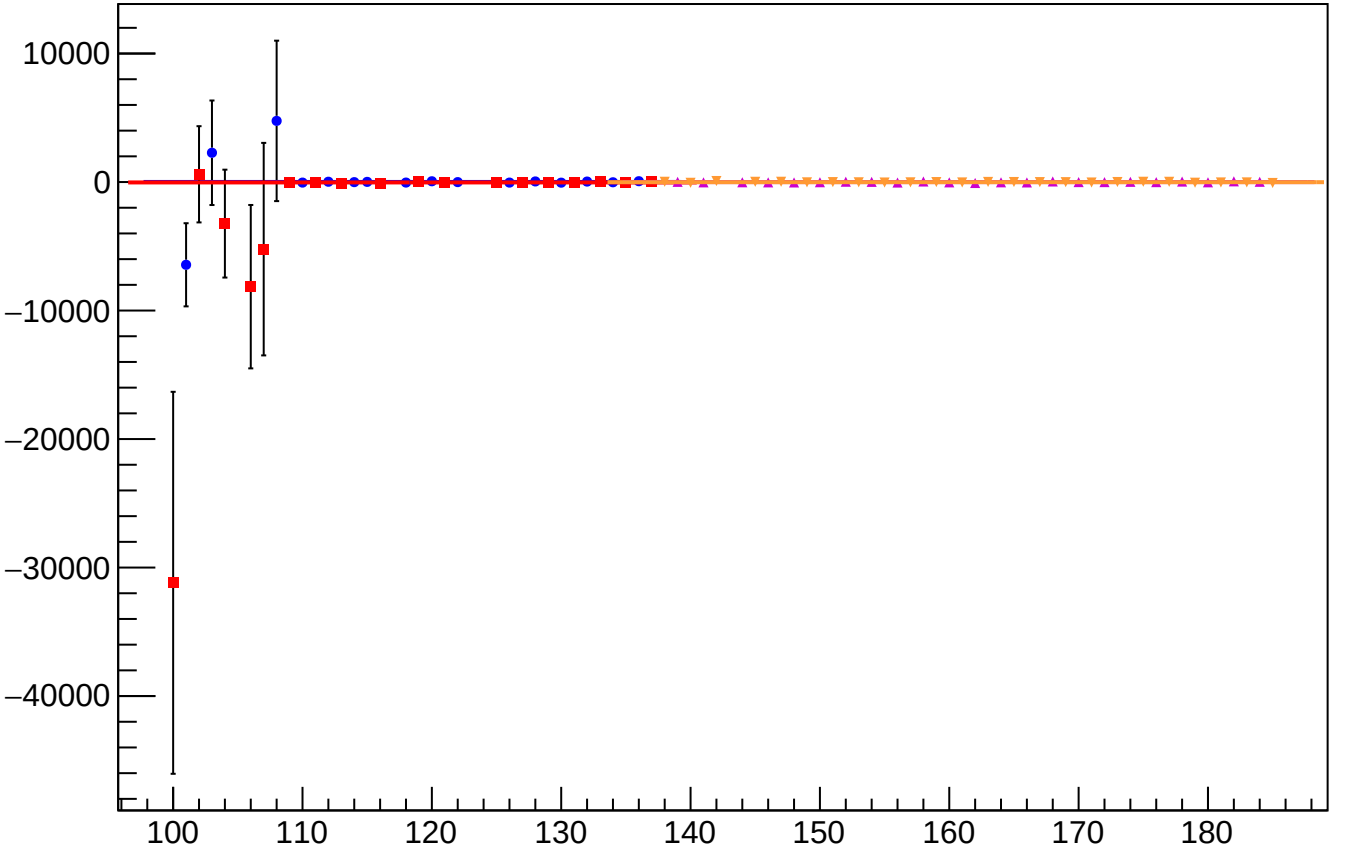
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 195.528+/-0.029 χ^2/NDF: 5650551.7/39

All: 187.657+/-0.020 χ^2/NDF: 11532425.1/80

- 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: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

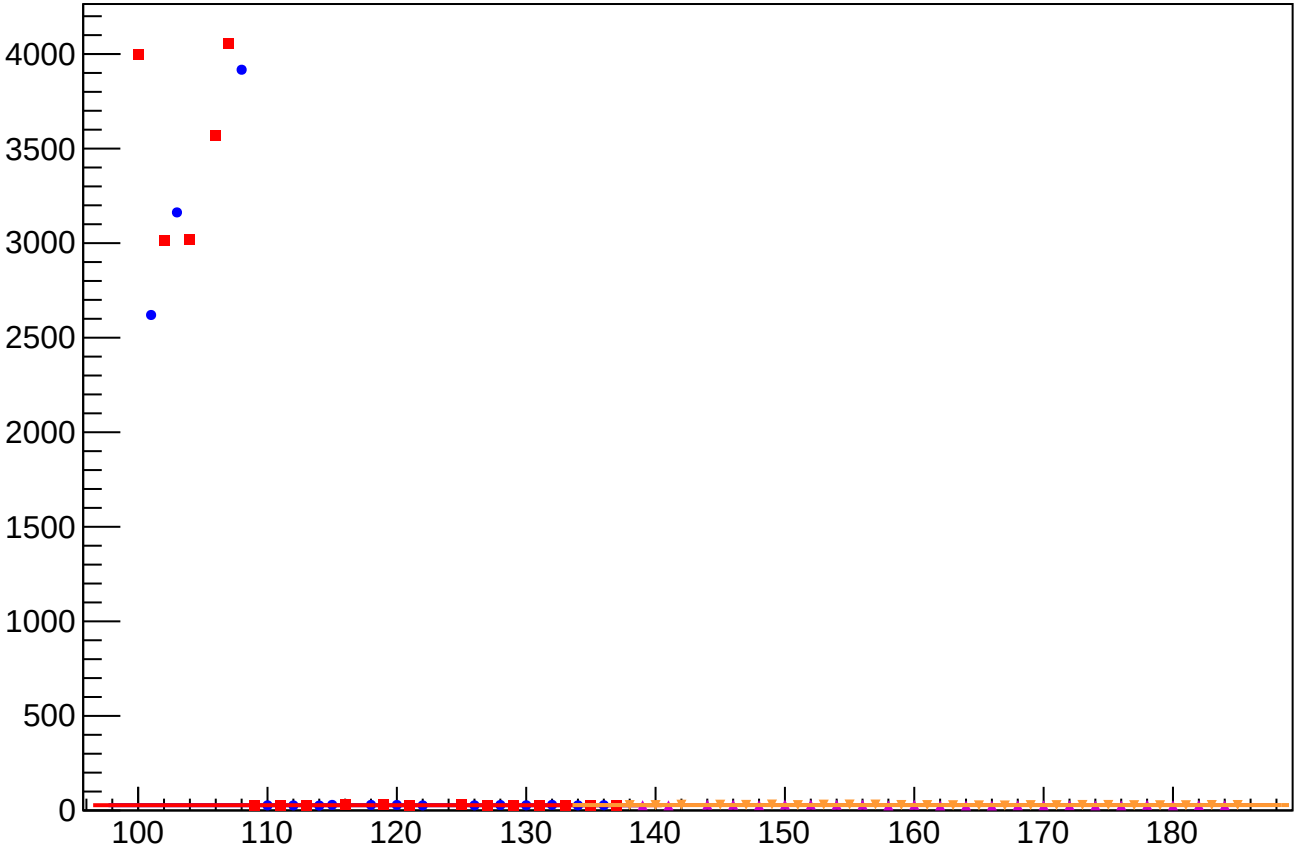
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.846+/-5.791 χ^2/NDF: 37.5/39

All: -8.028+/-4.126 χ^2/NDF: 83.8/80

- 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:80997.4/23

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

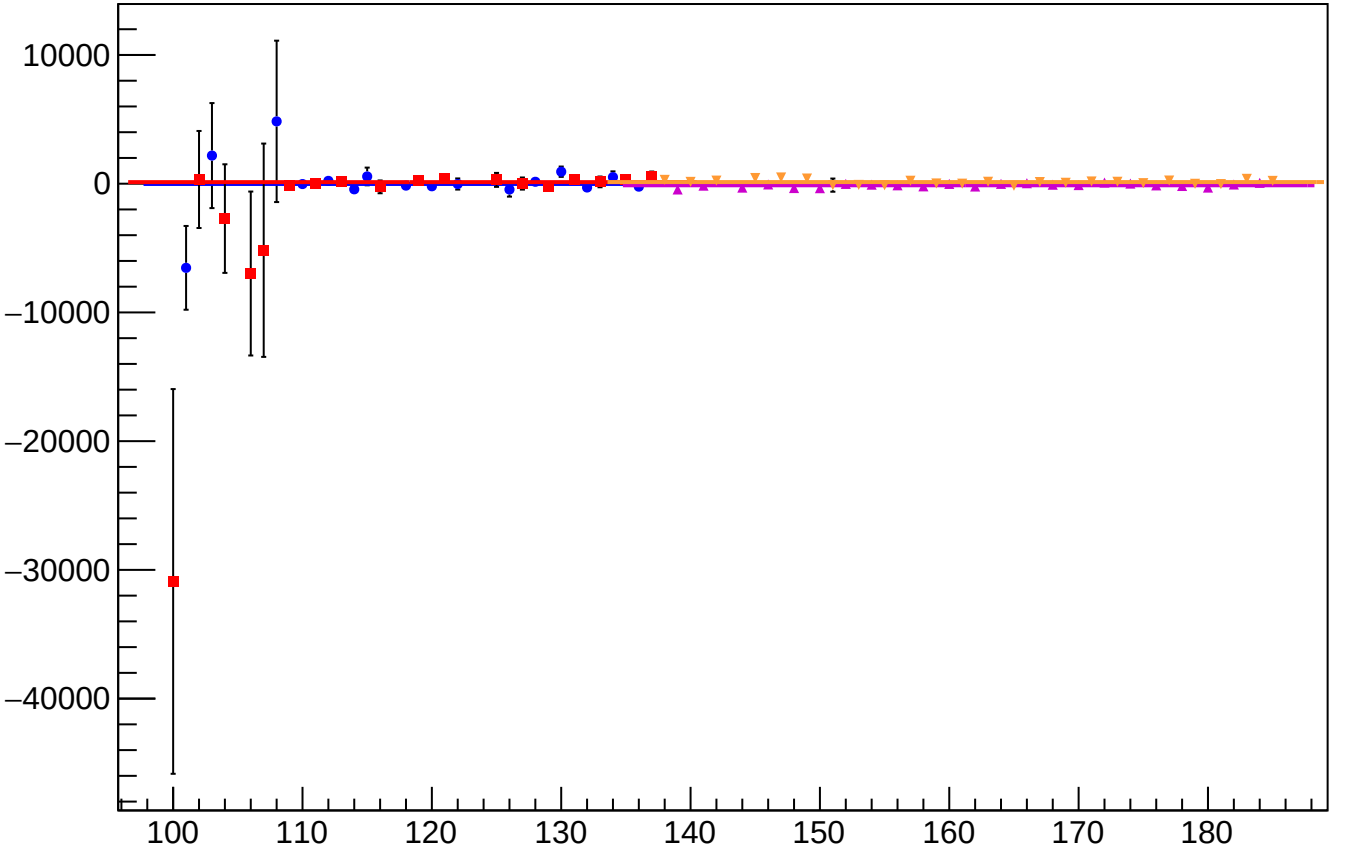
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.406+/-0.004 χ^2/NDF: 3353341.1/39

All: 28.454+/-0.003 χ^2/NDF: 7048818.0/80

- 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: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

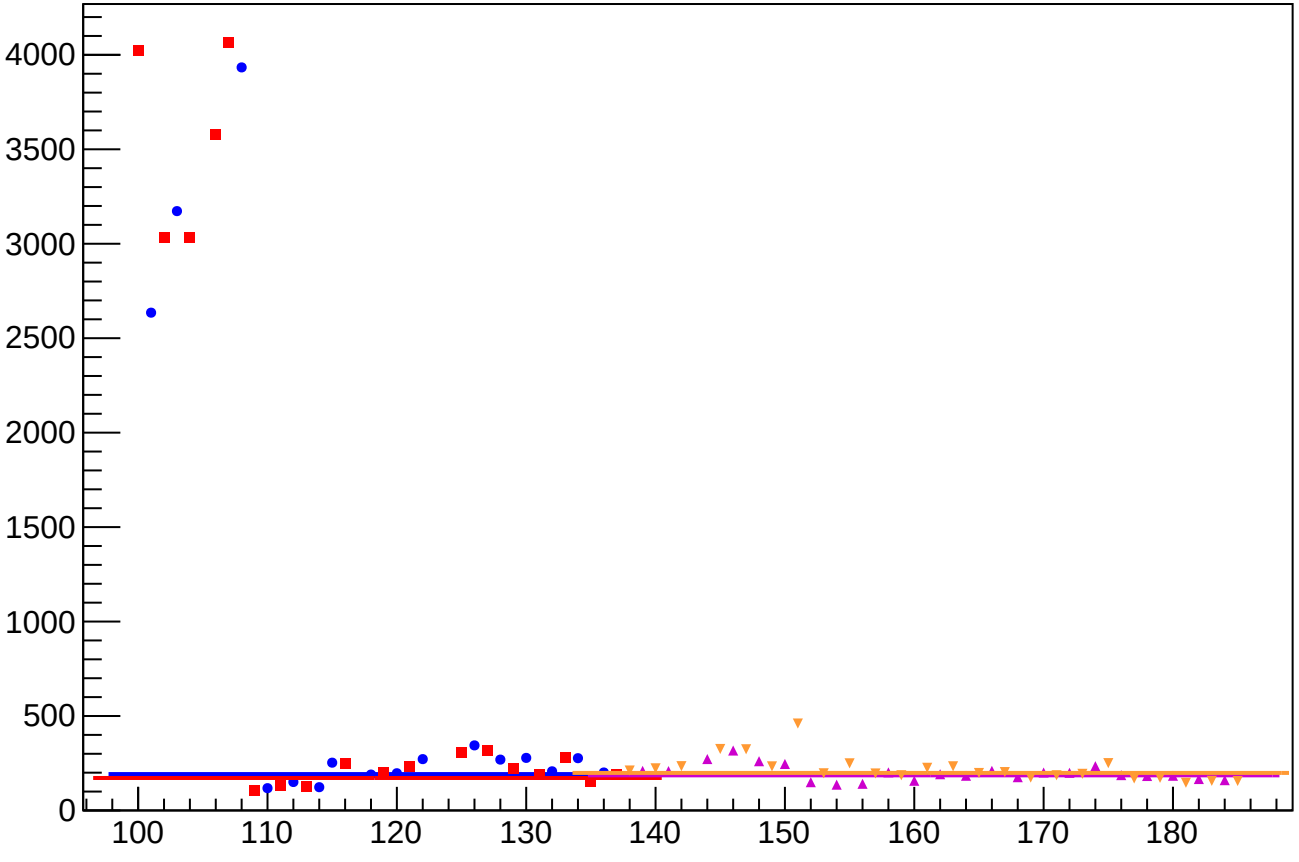
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 91.301+/-41.706 χ^2/NDF: 32.0/39

All: 9.735+/-28.568 χ^2/NDF: 67.7/80

- 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: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

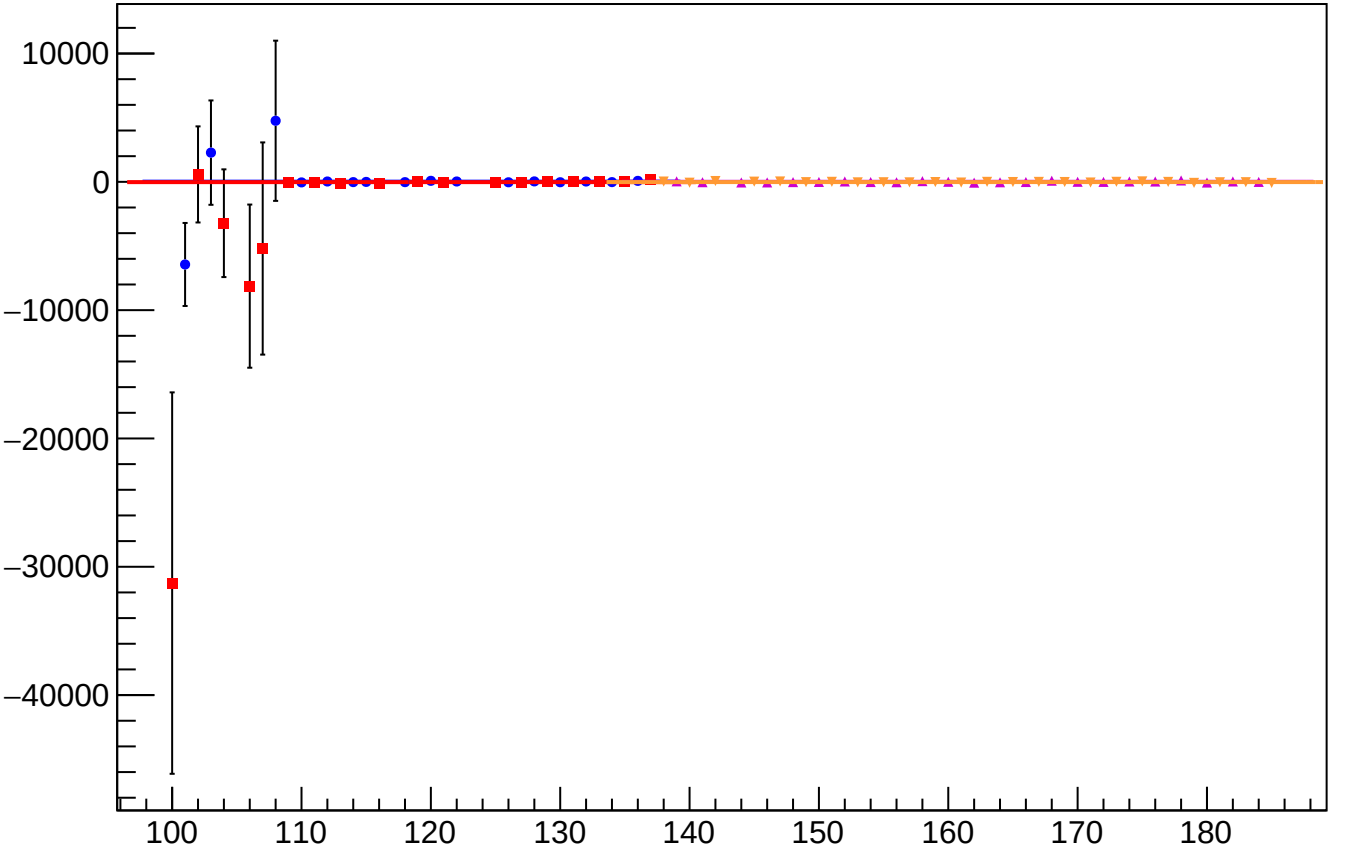
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 197.251+/-0.029 χ^2/NDF: 5617204.4/39

All: 189.377+/-0.020 χ^2/NDF: 11452144.6/80

- 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: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

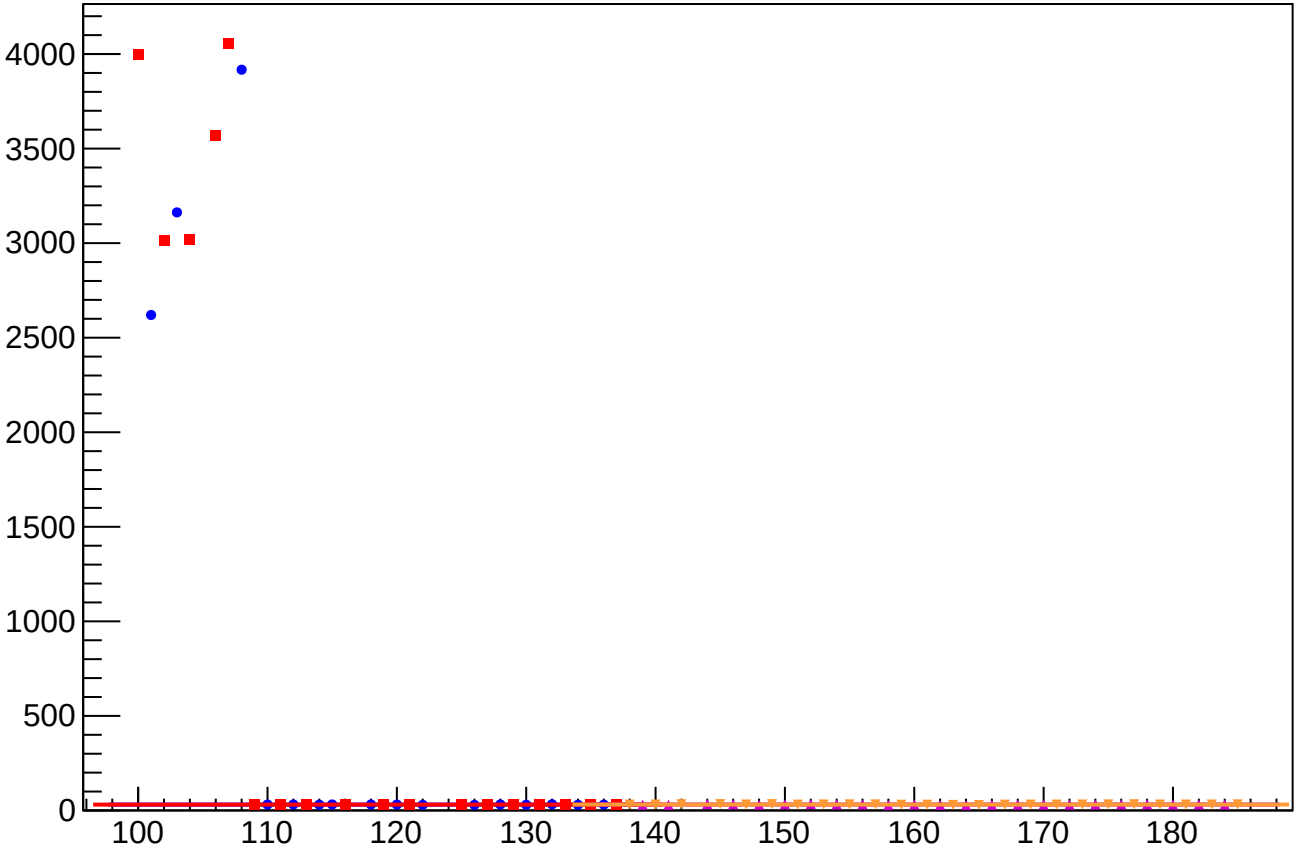
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -10.659+/-6.345 χ^2/NDF: 40.3/39

All: -6.883+/-4.520 χ^2/NDF: 107.5/80

- 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: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

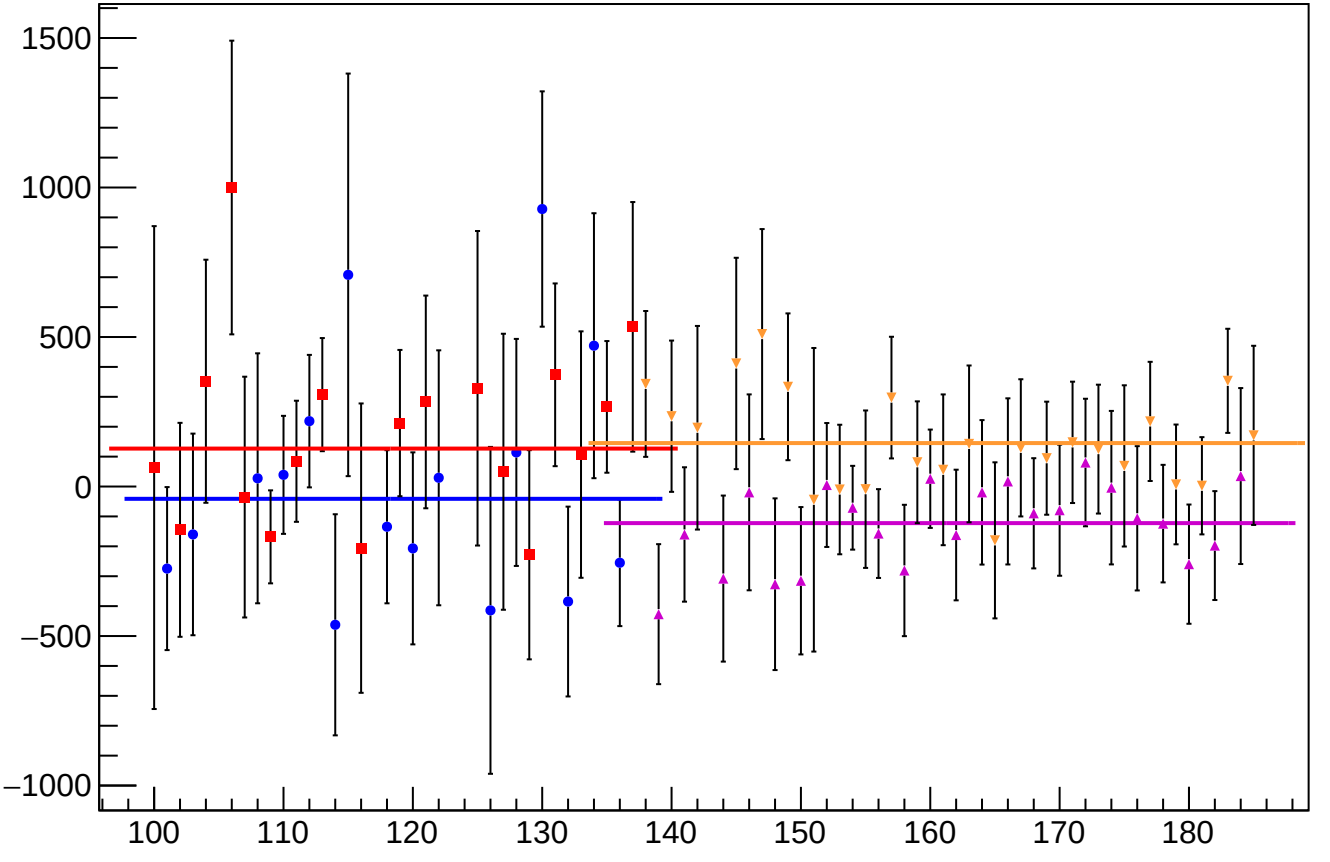
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.152+/-0.004 χ^2/NDF: 3300800.2/39

All: 31.199+/-0.003 χ^2/NDF: 6925045.4/80

- 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: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

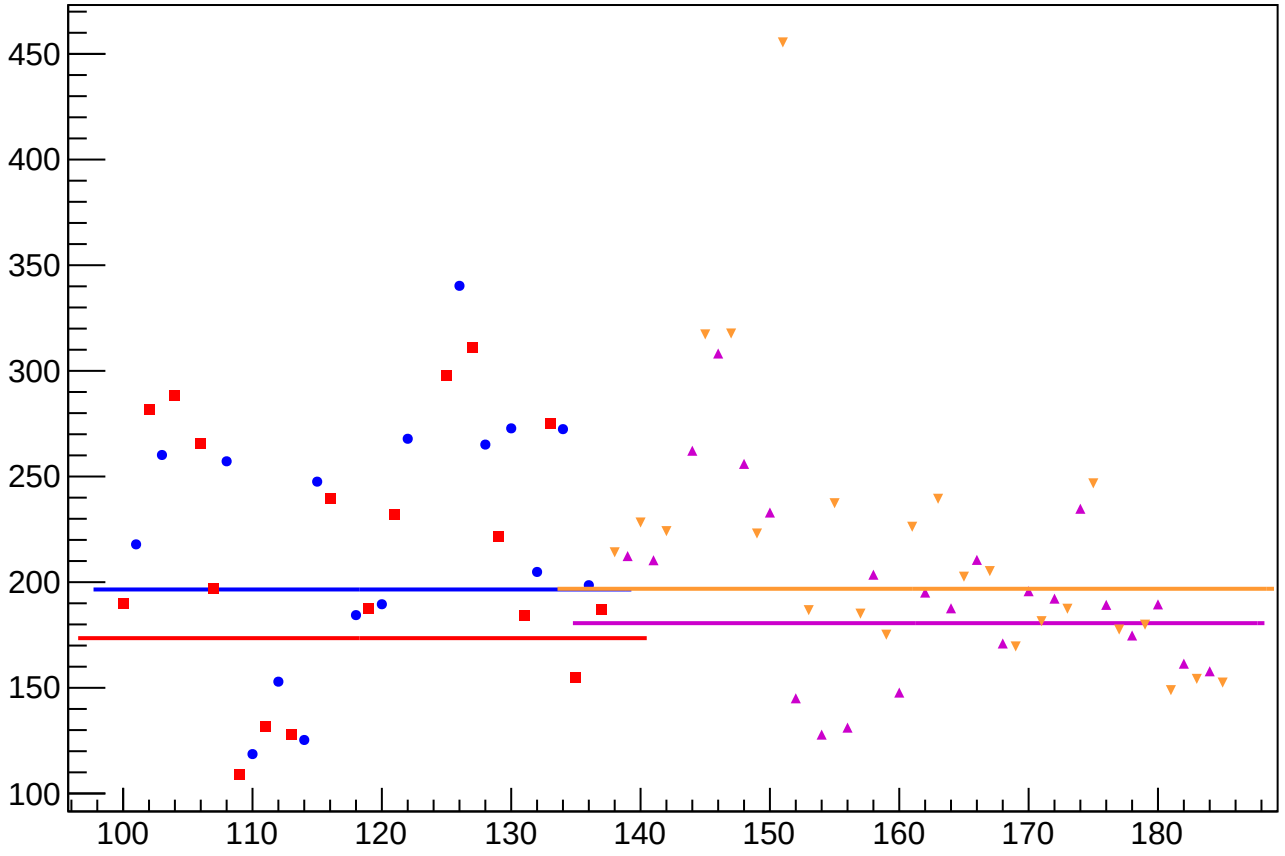
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 94.231+/-40.379 χ^2/NDF: 29.2/39

All: 15.854+/-27.362 χ^2/NDF: 66.0/80

- 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: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

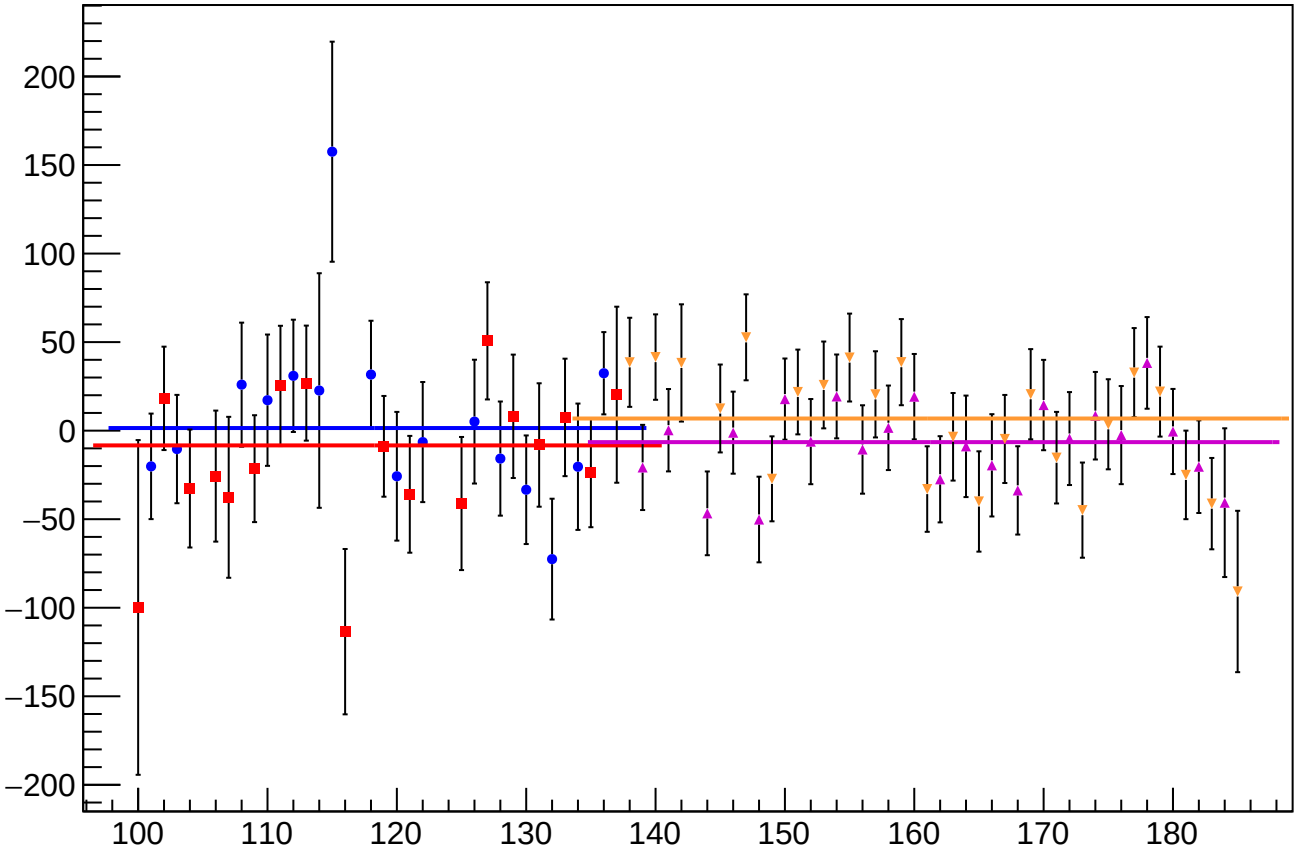
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 196.782+/-0.029 χ^2/NDF: 2725904.1/39

All: 186.928+/-0.019 χ^2/NDF: 6121820.3/80

- 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: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

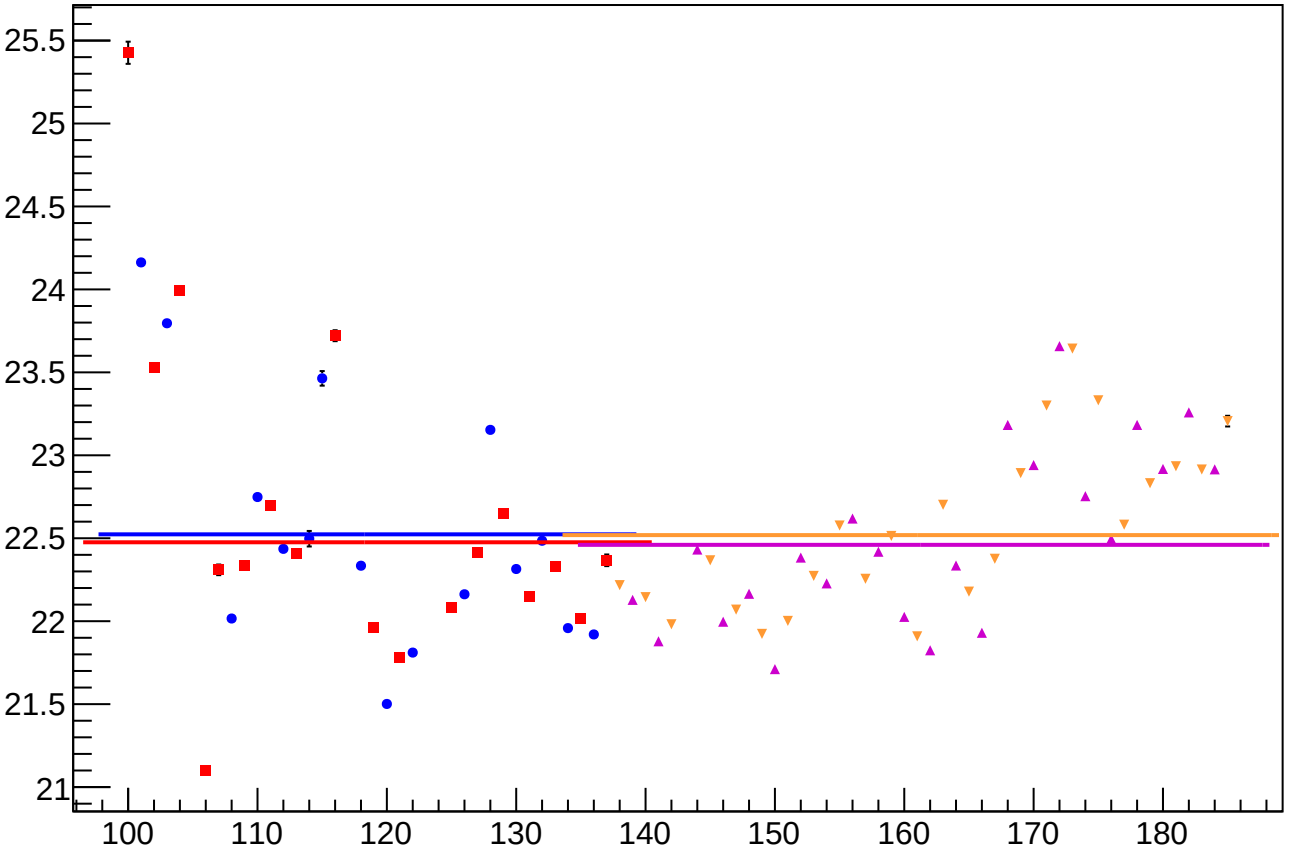
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.347+/-4.435 χ^2/NDF: 55.8/39

All: -0.835+/-3.135 χ^2/NDF: 93.2/80

- 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: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

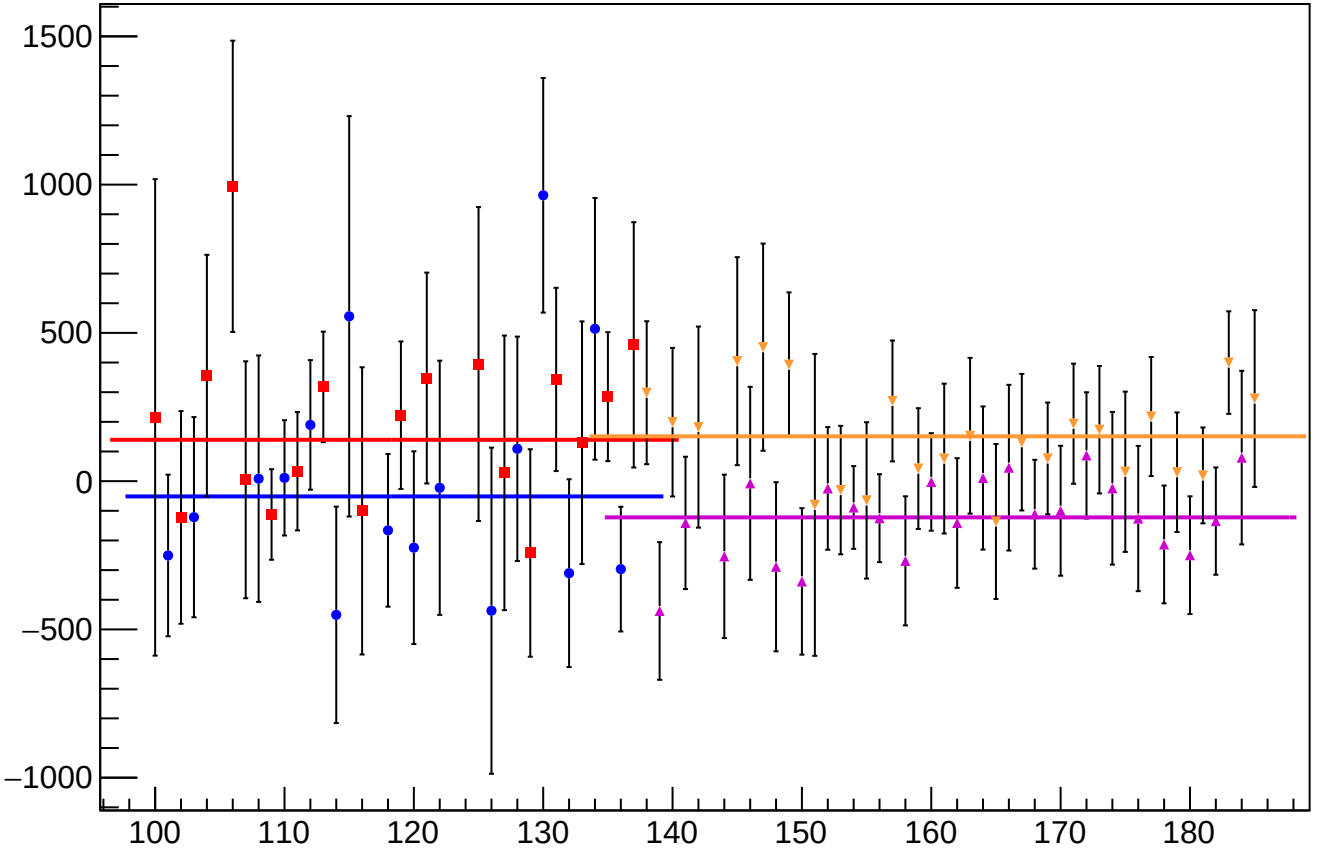
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.520+/-0.003 χ^2/NDF: 31946.4/39

All: 22.492+/-0.002 χ^2/NDF: 66762.5/80

- 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: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

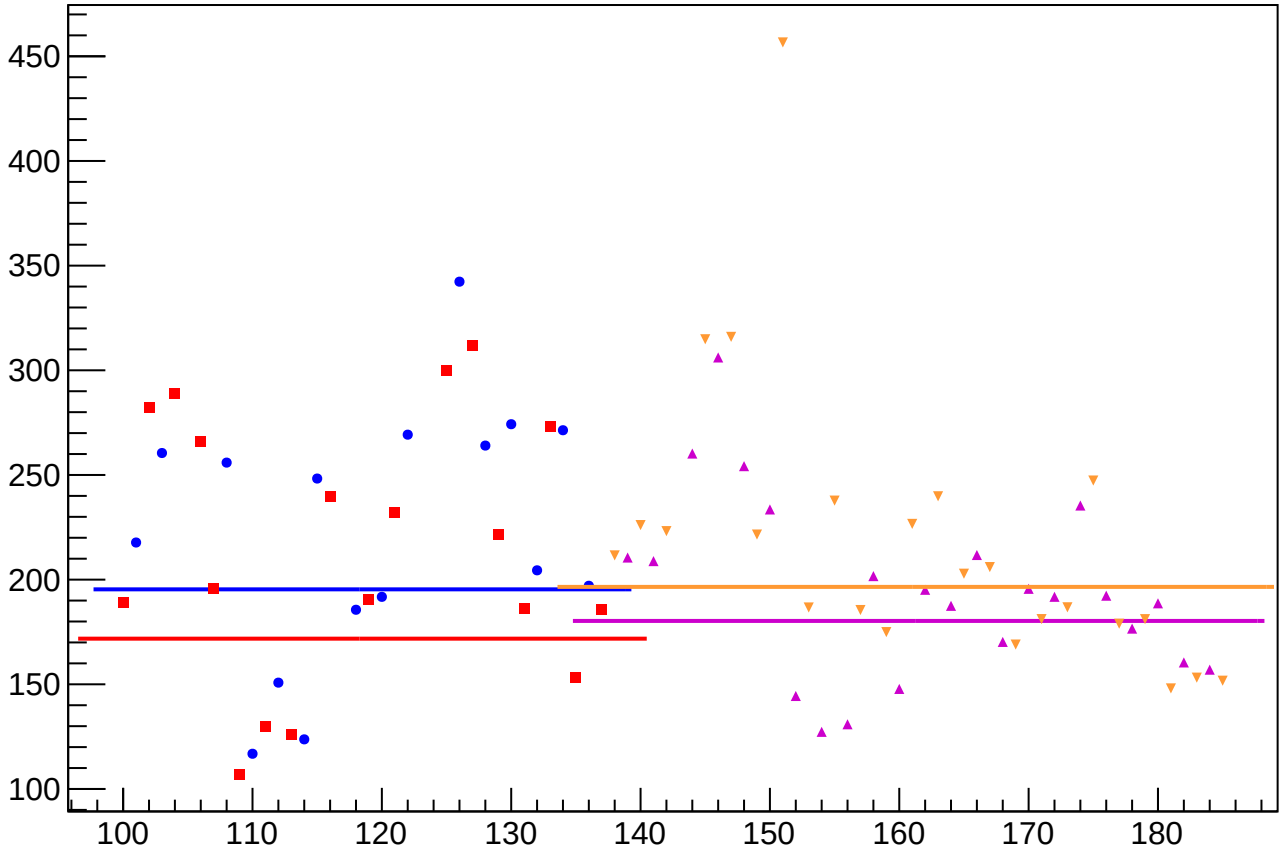
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 95.363+/-40.284 χ^2/NDF: 30.4/39

All: 18.674+/-27.284 χ^2/NDF: 66.3/80

- 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: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

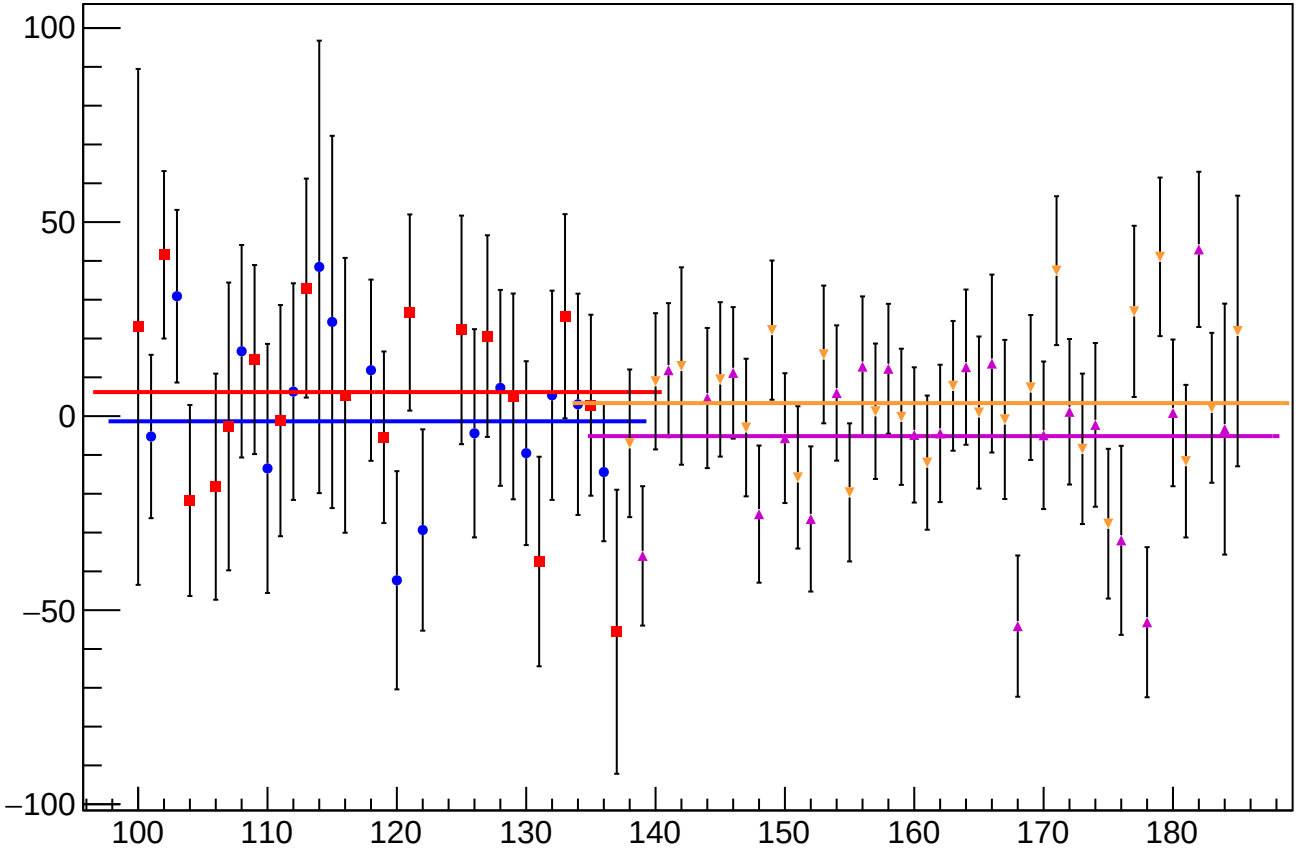
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 196.211+/-0.028 χ^2/NDF: 2769658.6/39

All: 186.256+/-0.019 χ^2/NDF: 6242100.7/80

- 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: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

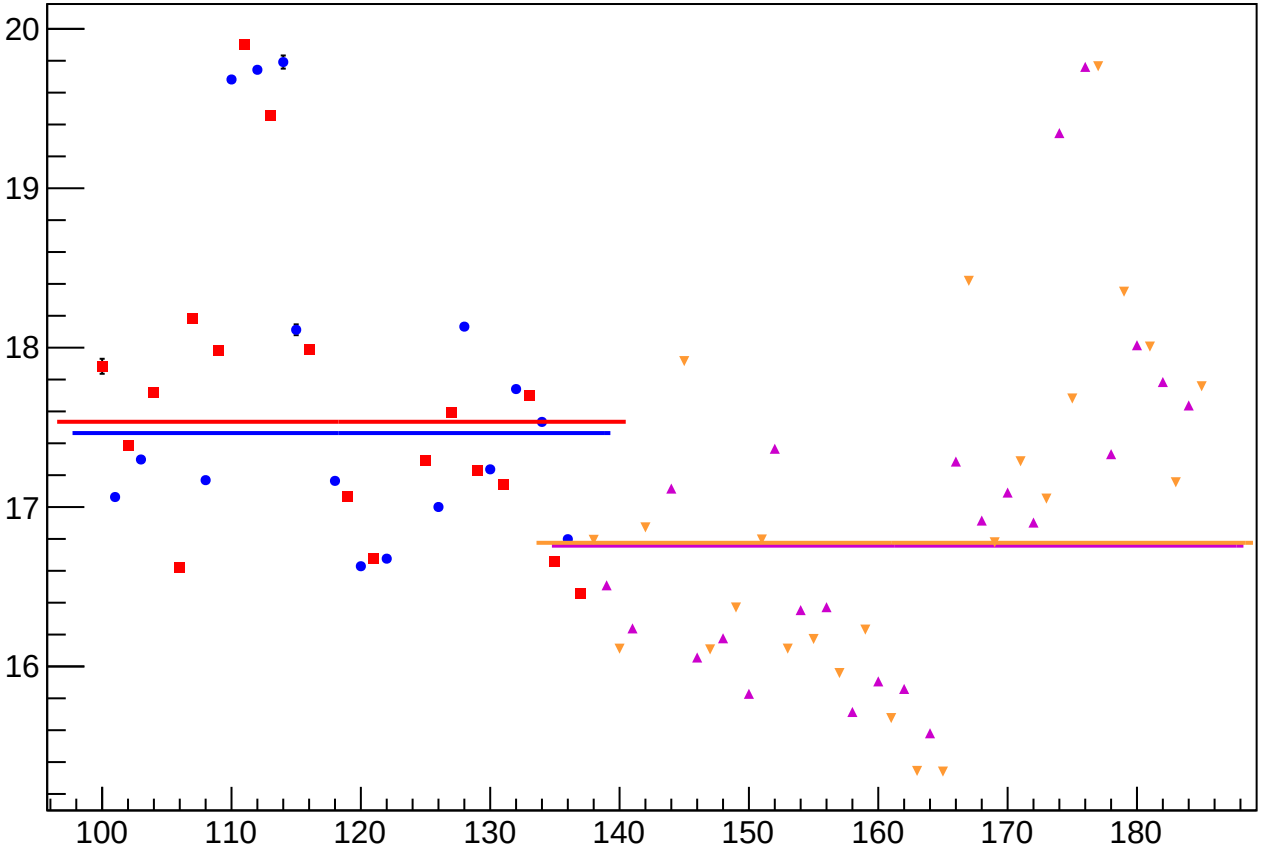
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 2.115+/-3.347 χ^2/NDF: 26.1/39

All: 0.012+/-2.370 χ^2/NDF: 74.9/80

- 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: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

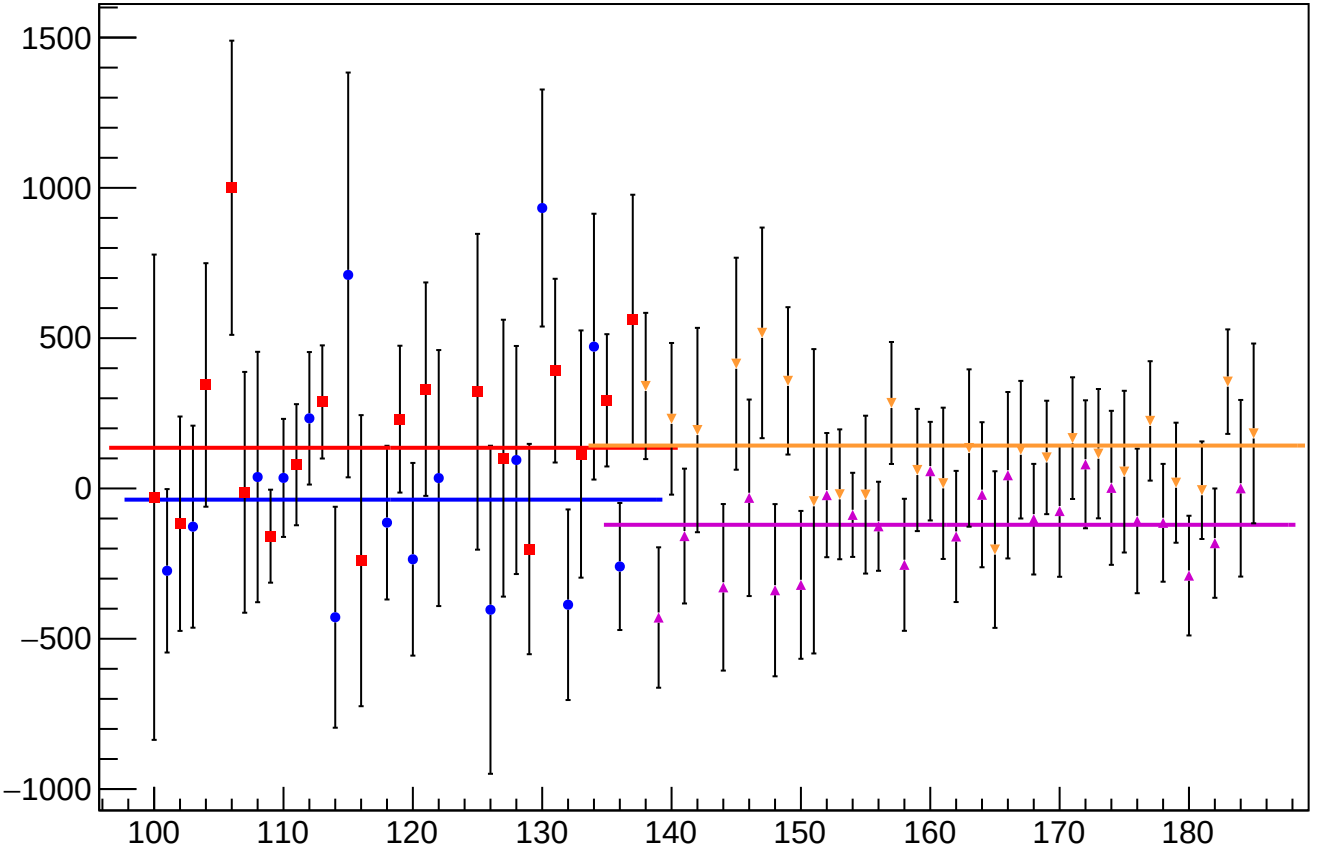
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.958+/-0.002 χ^2/NDF: 189284.3/39

All: 16.962+/-0.002 χ^2/NDF: 368158.7/80

\- 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: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

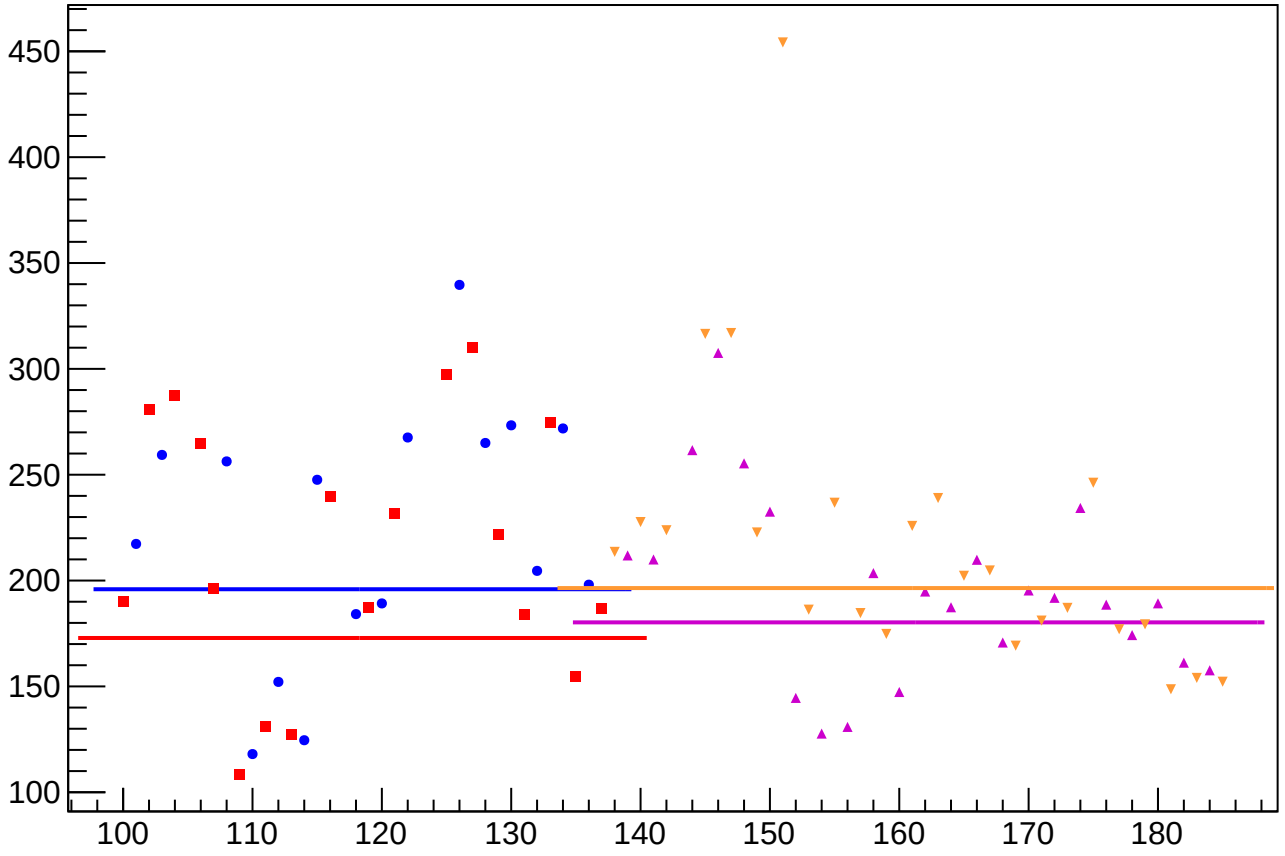
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

\+ sign 93.339+/-40.283 χ^2/NDF: 29.8/39

All: 17.396+/-27.298 χ^2/NDF: 67.1/80

\- 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: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

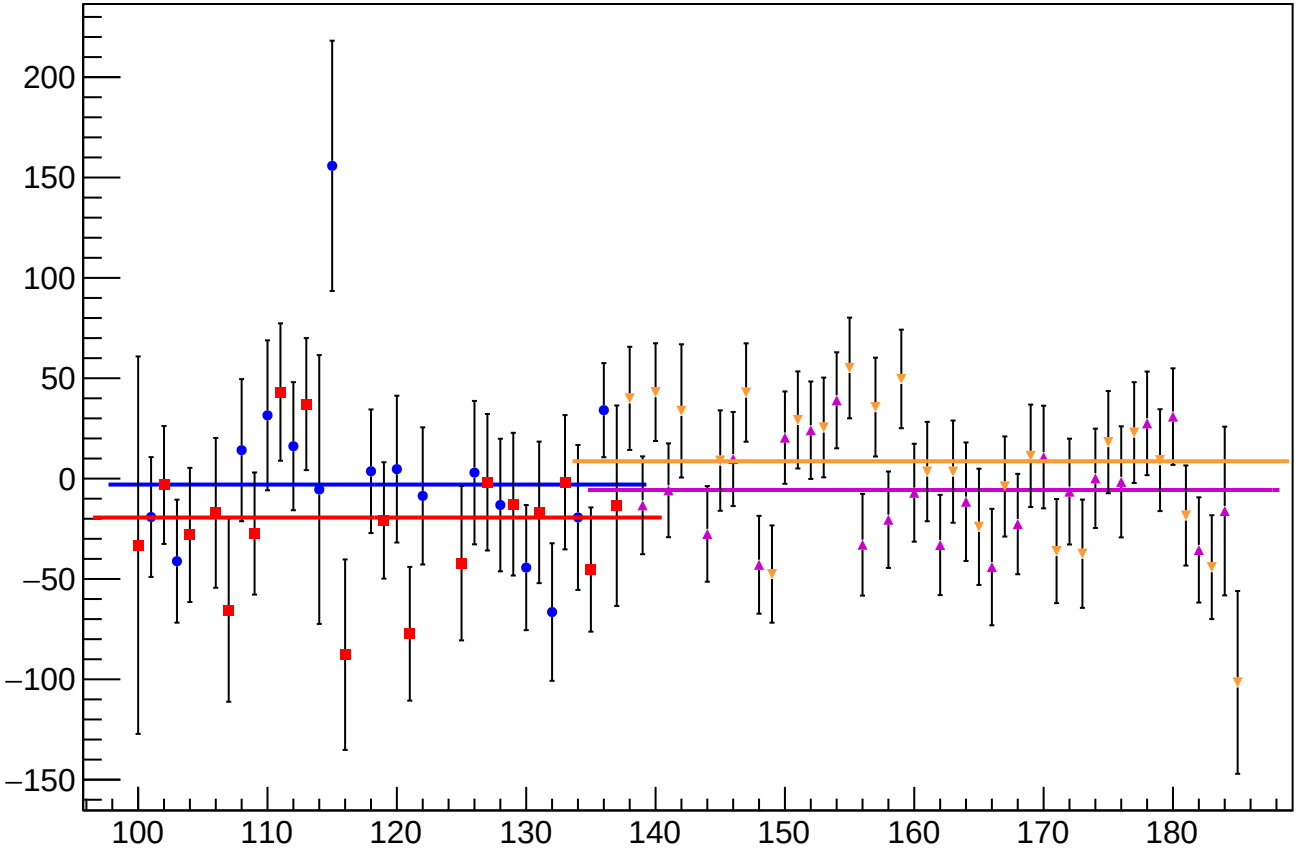
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 196.300+/-0.028 χ^2/NDF: 2734616.3/39

All: 186.470+/-0.019 χ^2/NDF: 6142071.1/80

- 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: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

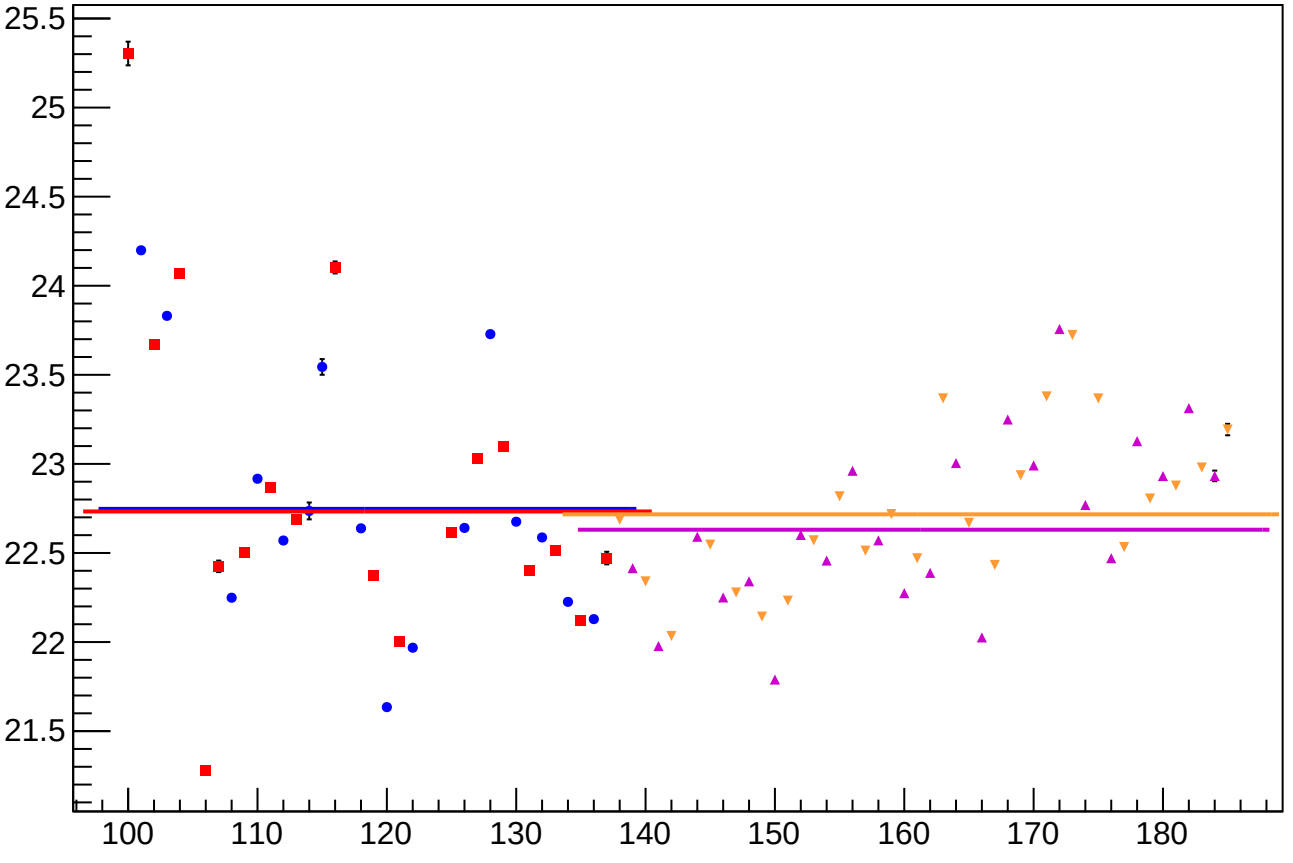
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.405+/-4.475 χ^2/NDF: 58.5/39

All: -2.090+/-3.163 χ^2/NDF: 101.3/80

- 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: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

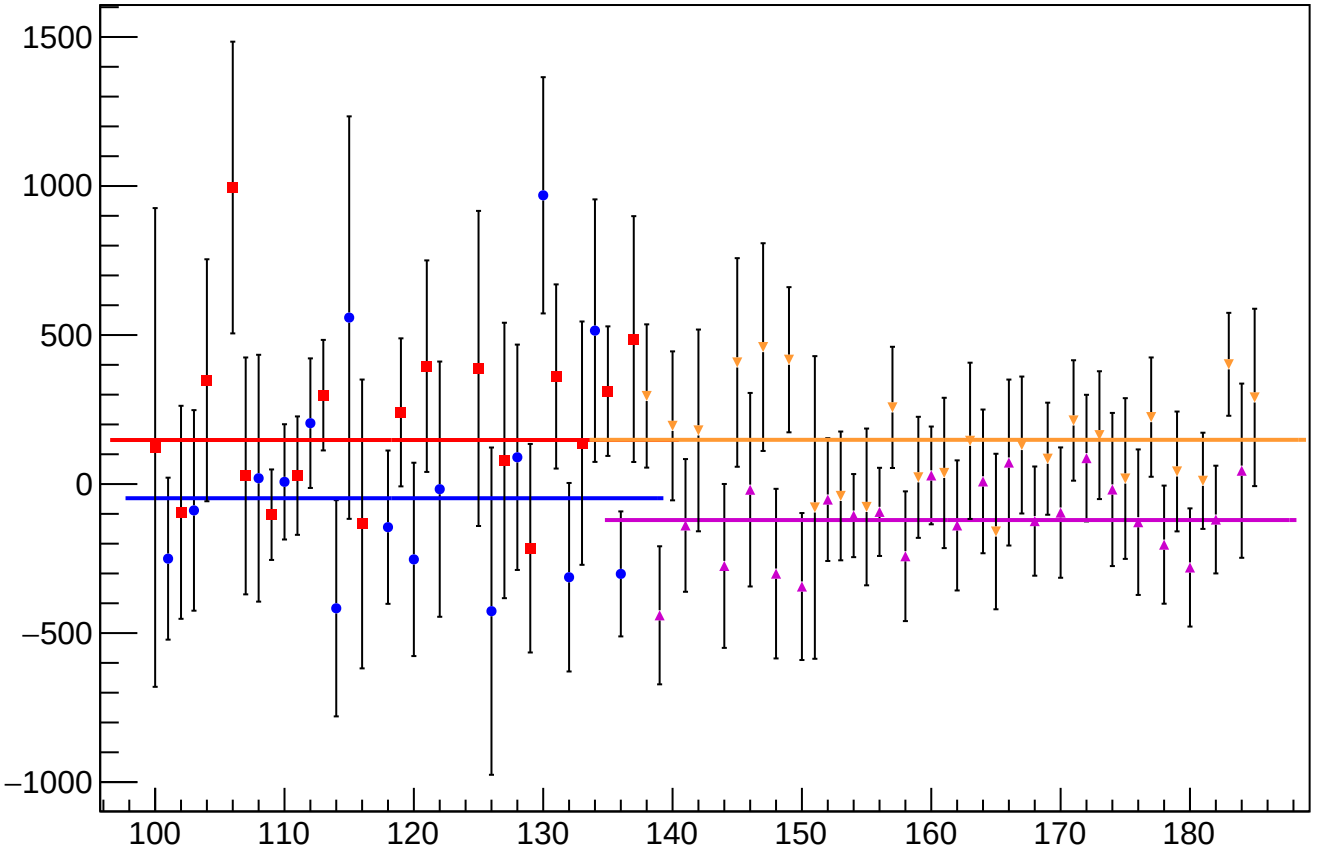
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

\+ sign 22.726+/-0.003 χ^2/NDF: 26819.0/39

All: 22.693+/-0.002 χ^2/NDF: 57030.2/80

\- 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: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

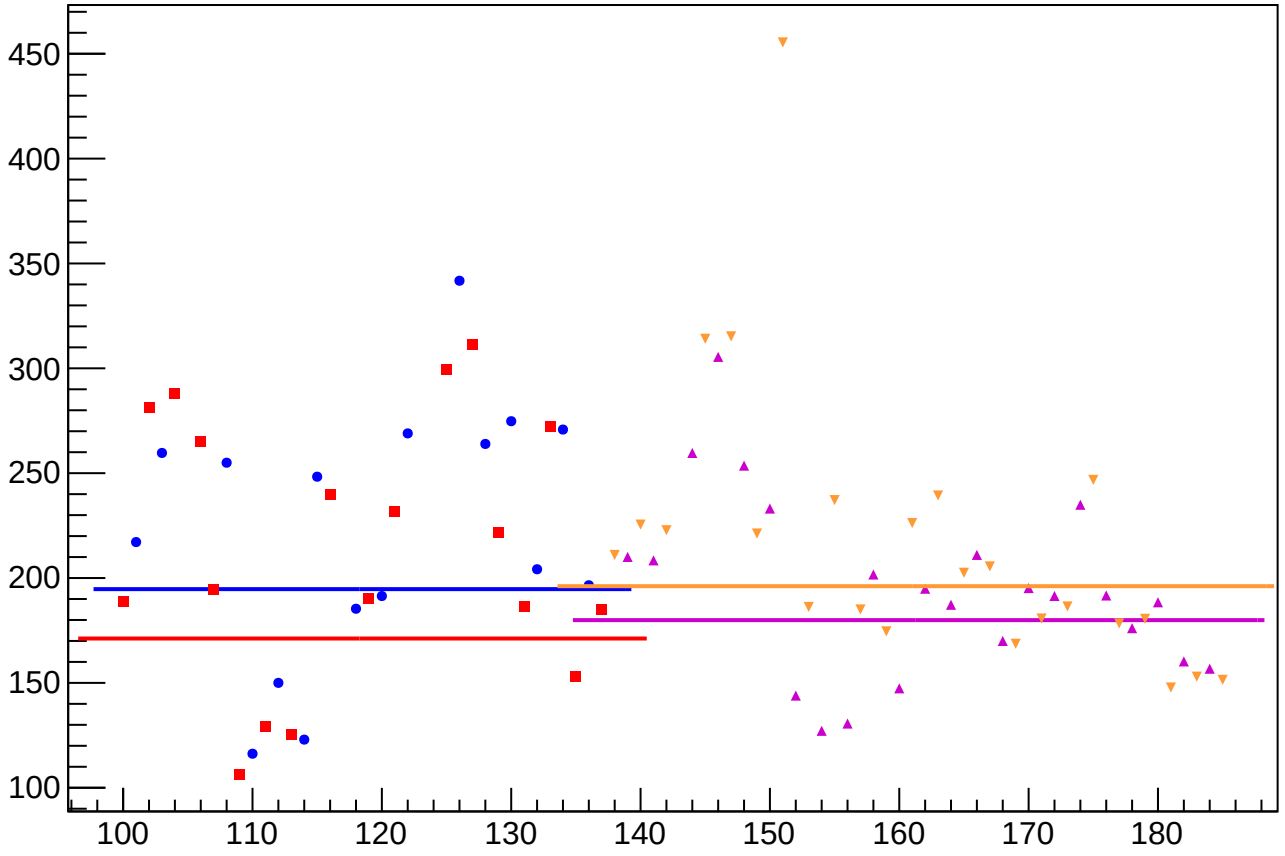
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 94.448+/-40.188 χ^2/NDF: 31.1/39

All: 20.176+/-27.219 χ^2/NDF: 67.6/80

- 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: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

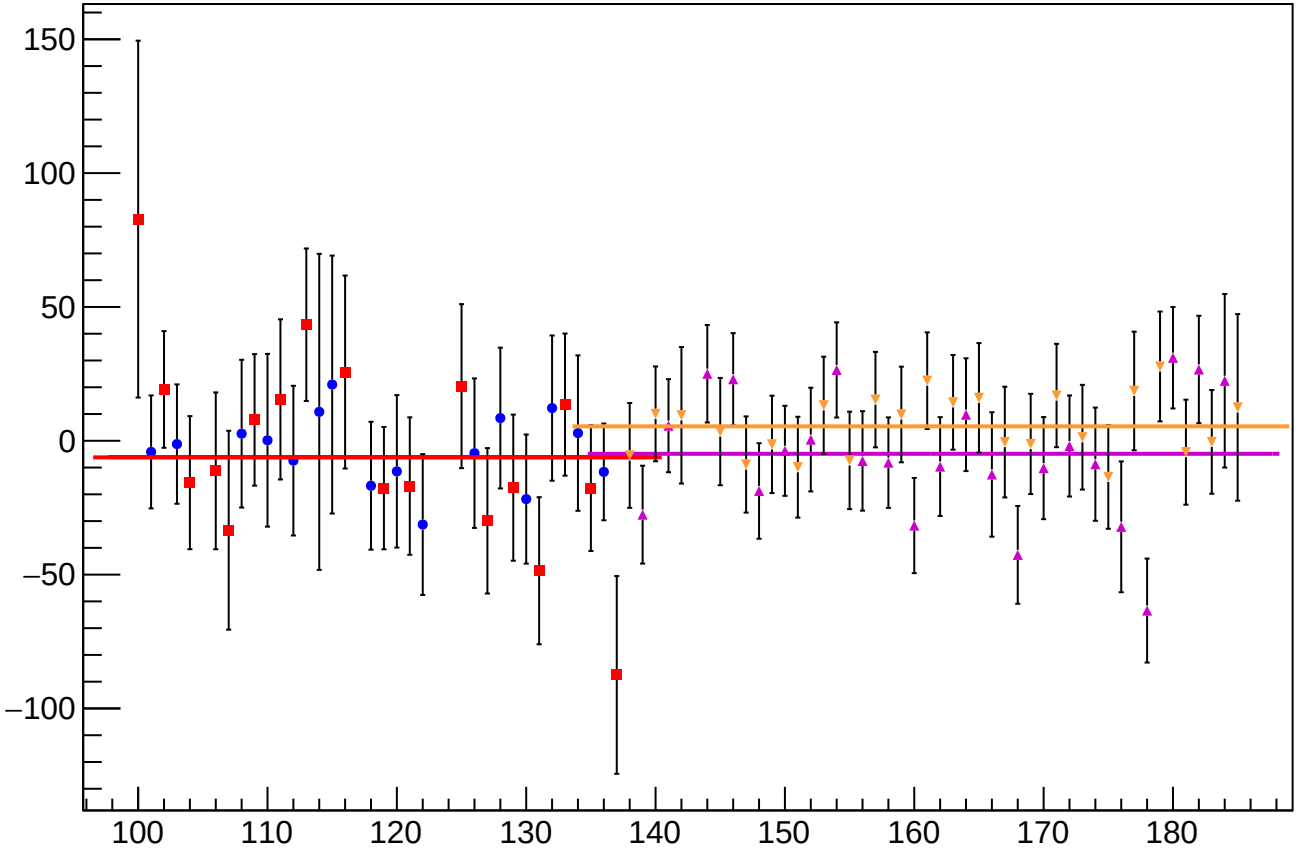
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 195.725+/-0.028 χ^2/NDF: 2779061.4/39

All: 185.795+/-0.019 χ^2/NDF: 6263917.3/80

- 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: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

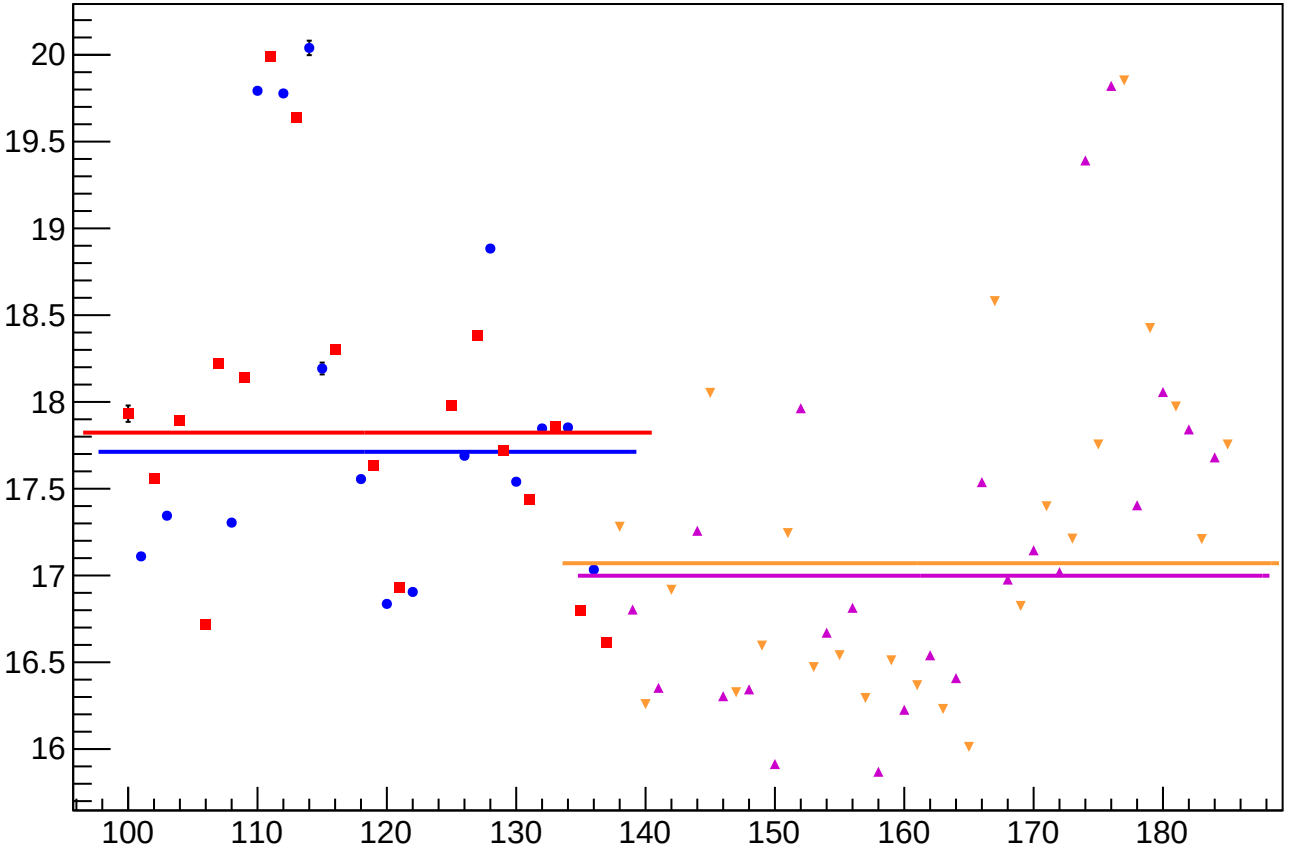
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 2.336+/-3.402 χ^2/NDF: 13.1/39

All: -1.436+/-2.407 χ^2/NDF: 69.8/80

- 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: 17.071+/-0.003 χ^2/NDF:96312.6/23

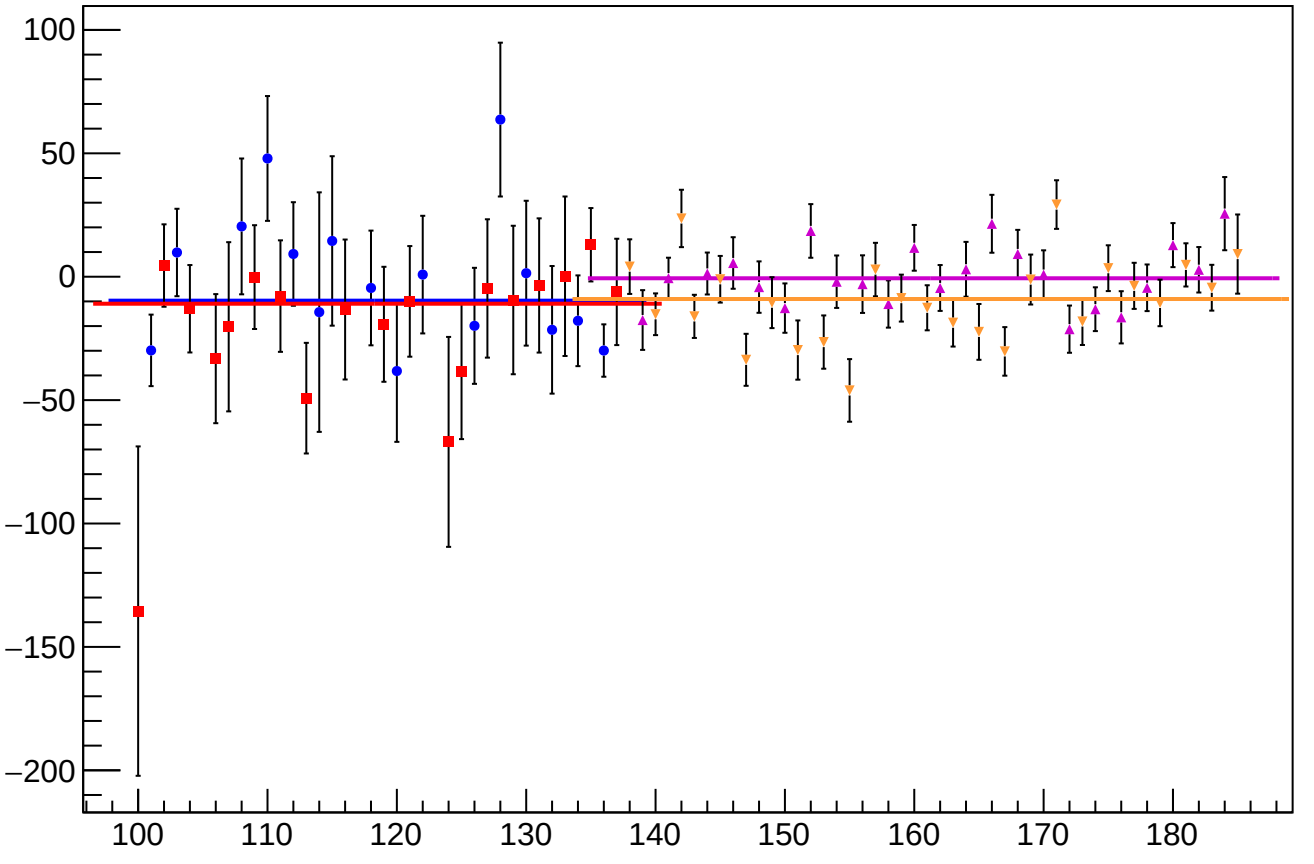
Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.242+/-0.002 χ^2/NDF: 146210.1/39

All: 17.231+/-0.002 χ^2/NDF: 305762.3/80

- sign 17.220+/-0.002 χ^2/NDF: 159510.1/40



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

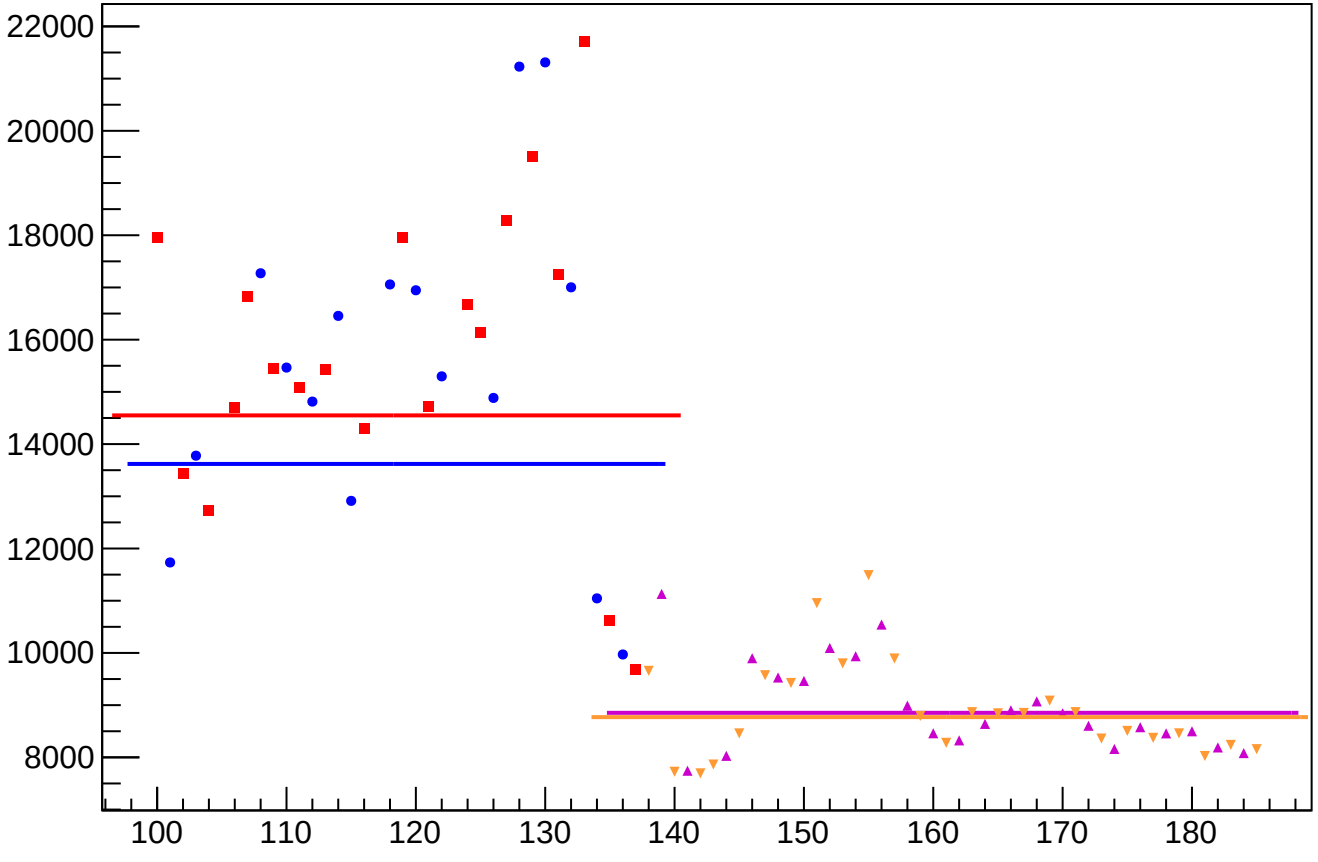
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

\+ sign -9.114+/-1.873 χ^2/NDF: 84.0/40

All: -5.658+/-1.348 χ^2/NDF: 137.8/82

\- 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: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

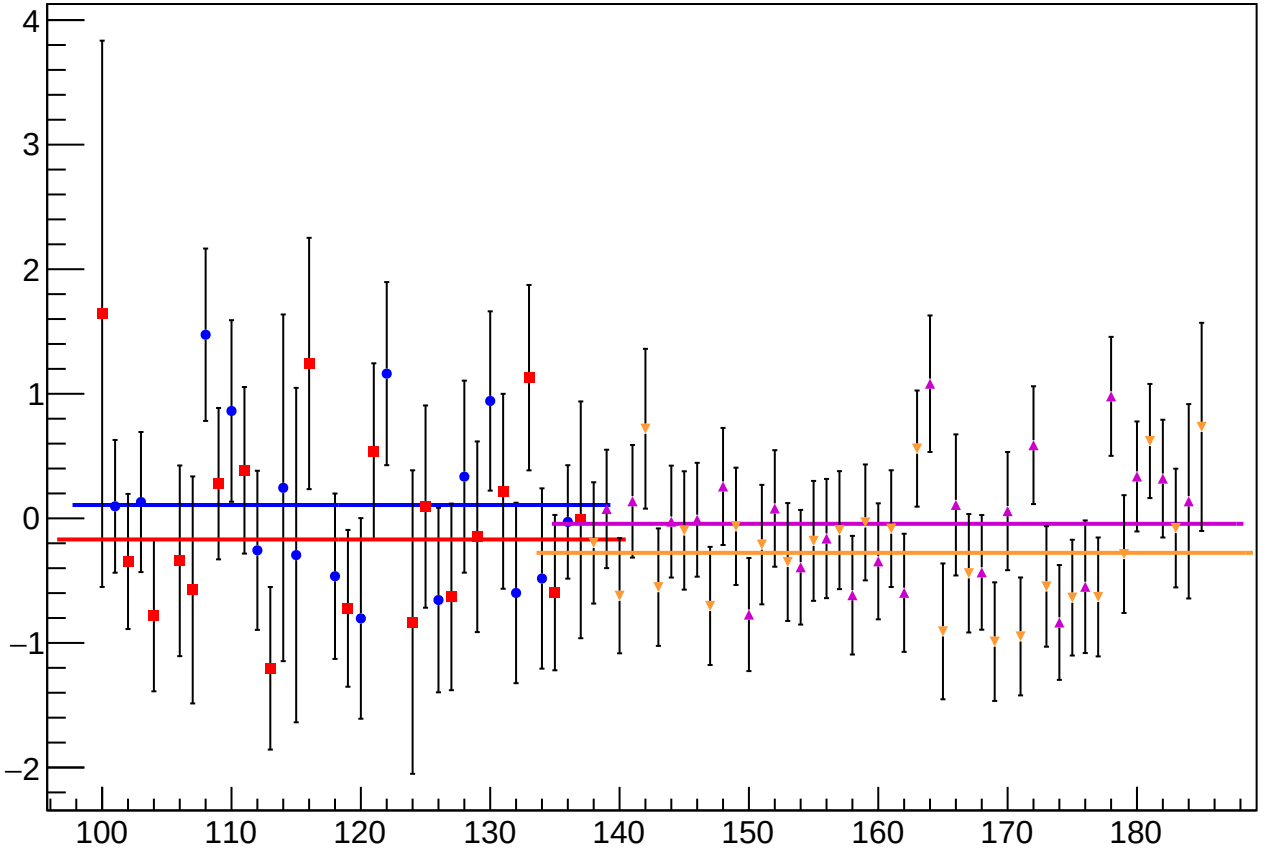
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9392.219+/-1.325 χ^2/NDF: 2590434.9/40

All: 9482.671+/-0.953 χ^2/NDF: 5371938.3/82

- 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: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

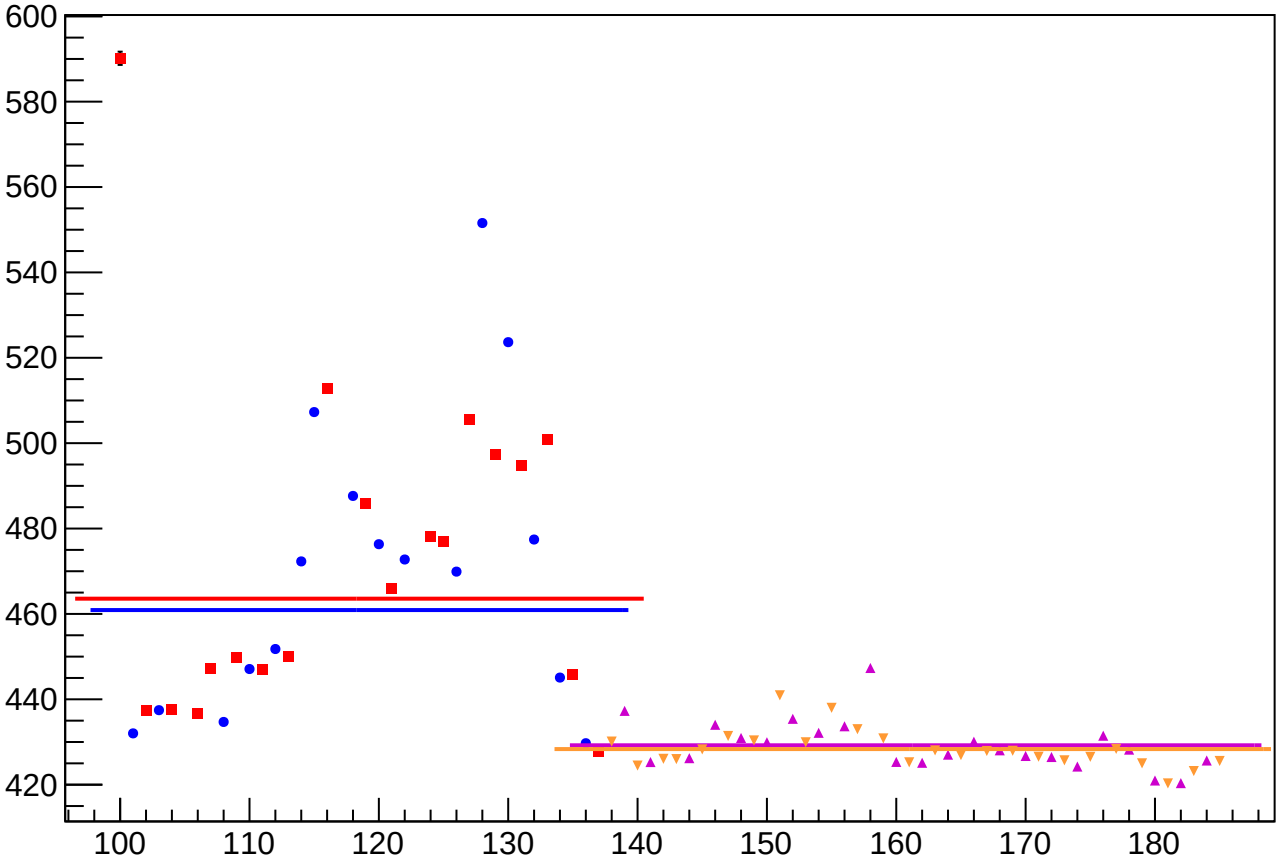
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.183+/-0.085 χ^2/NDF: 38.5/40

All: -0.131+/-0.060 χ^2/NDF: 77.6/82

- 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: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

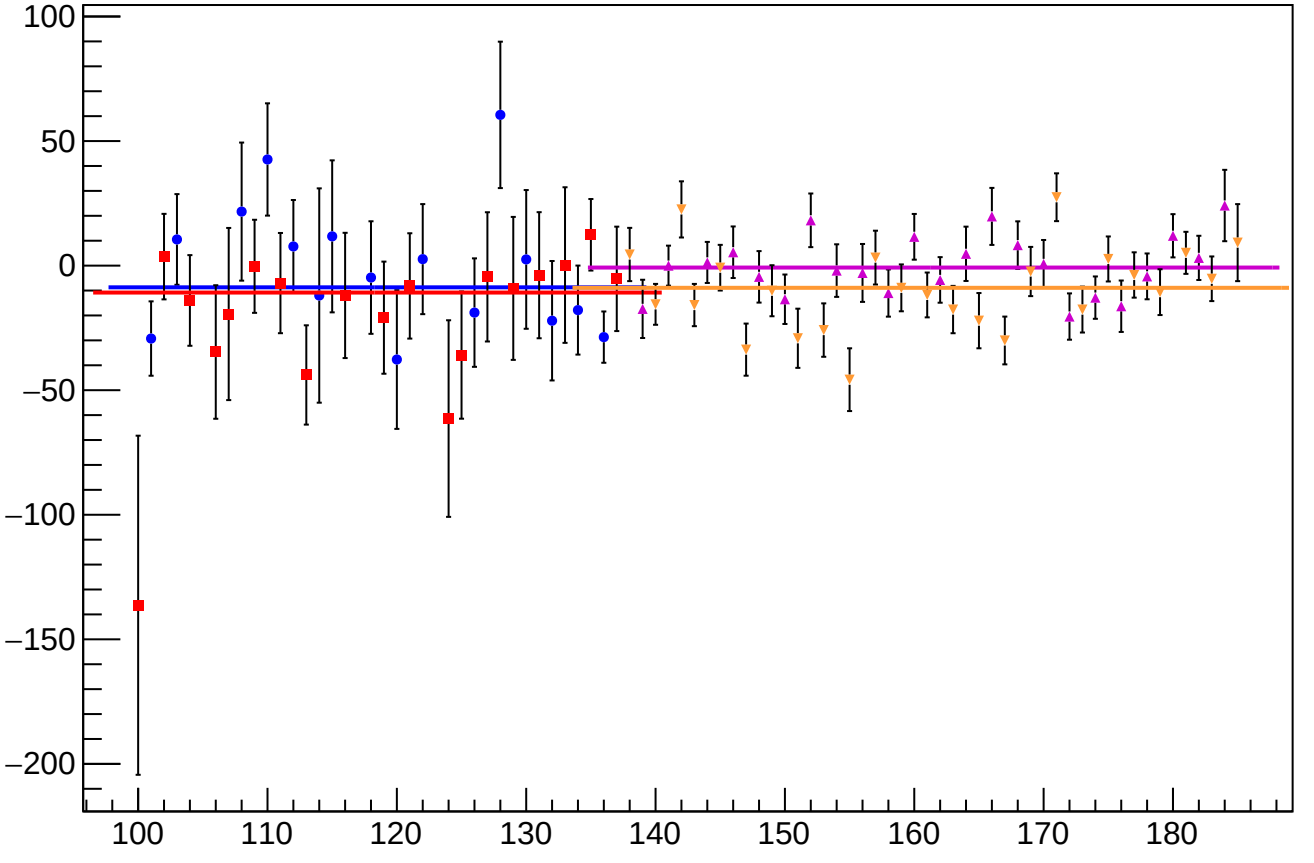
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

\+ sign 436.258+/-0.060 χ^2/NDF: 133392.1/40

All: 437.177+/-0.043 χ^2/NDF: 253671.6/82

\- 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: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

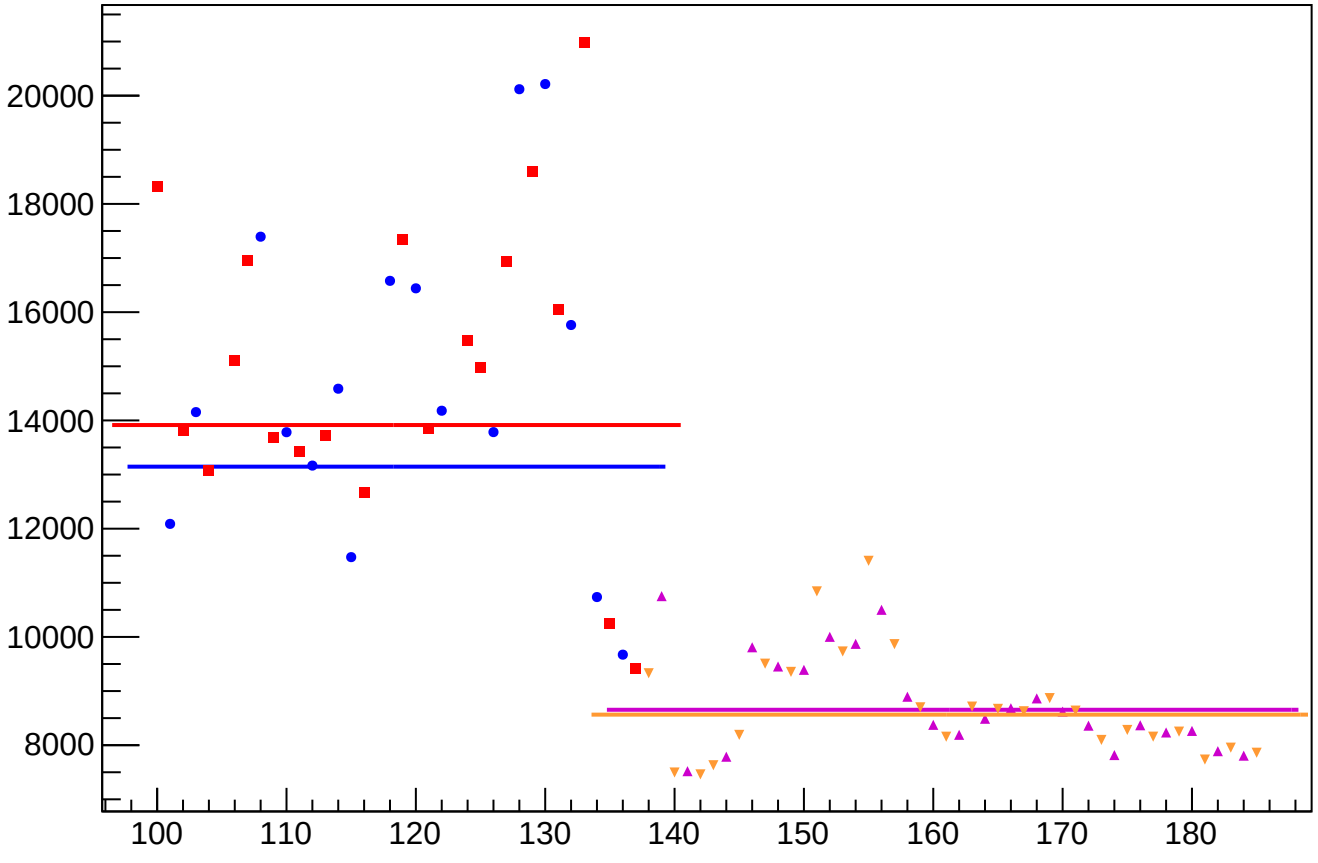
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.878+/-1.827 χ^2/NDF: 83.8/40

All: -5.614+/-1.315 χ^2/NDF: 136.9/82

- sign -2.108+/-1.894 χ^2/NDF: 46.4/41

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

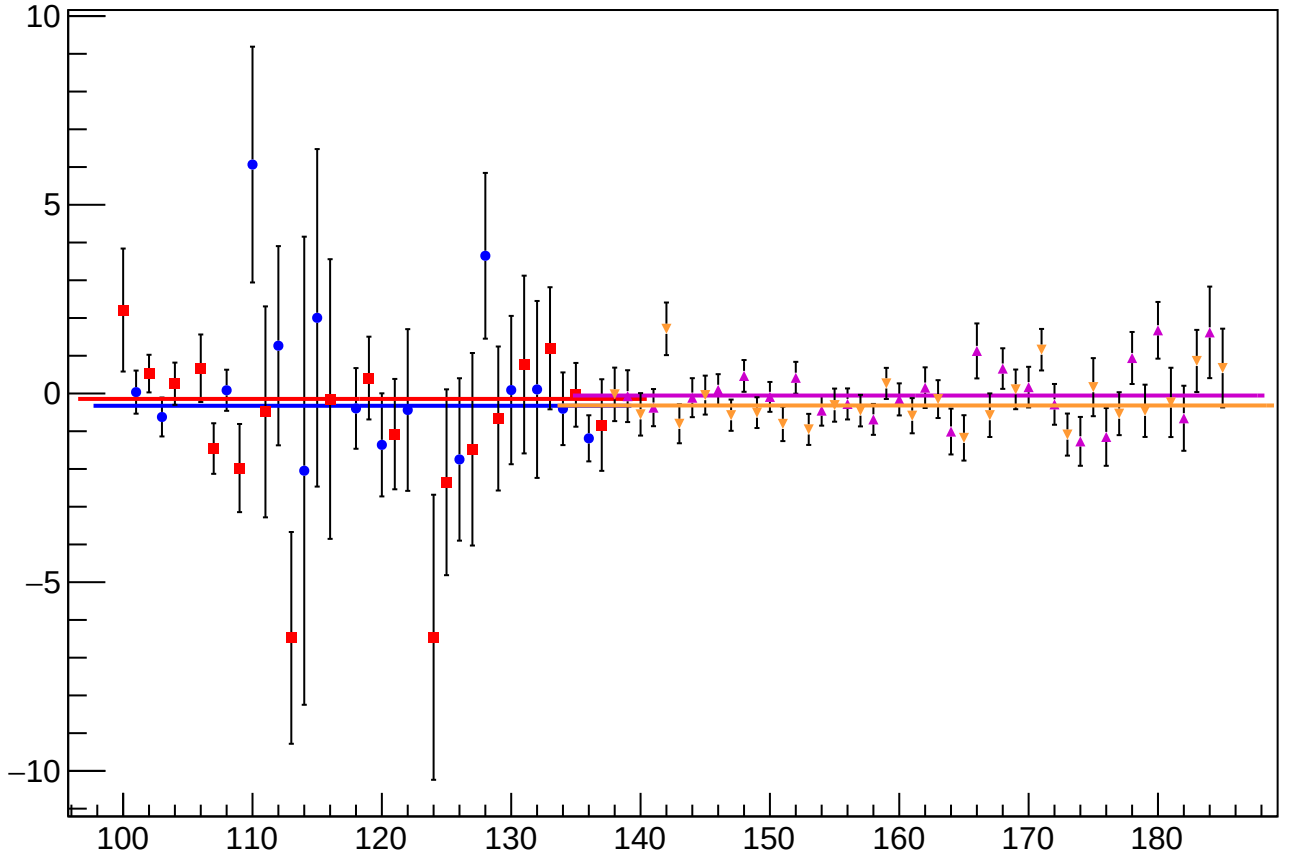
Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9167.602+/-1.292 χ^2/NDF: 2520729.0/40

All: 9257.605+/-0.930 χ^2/NDF: 5167604.3/82

- sign 9354.283+/-1.339 χ^2/NDF: 2636810.6/41



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

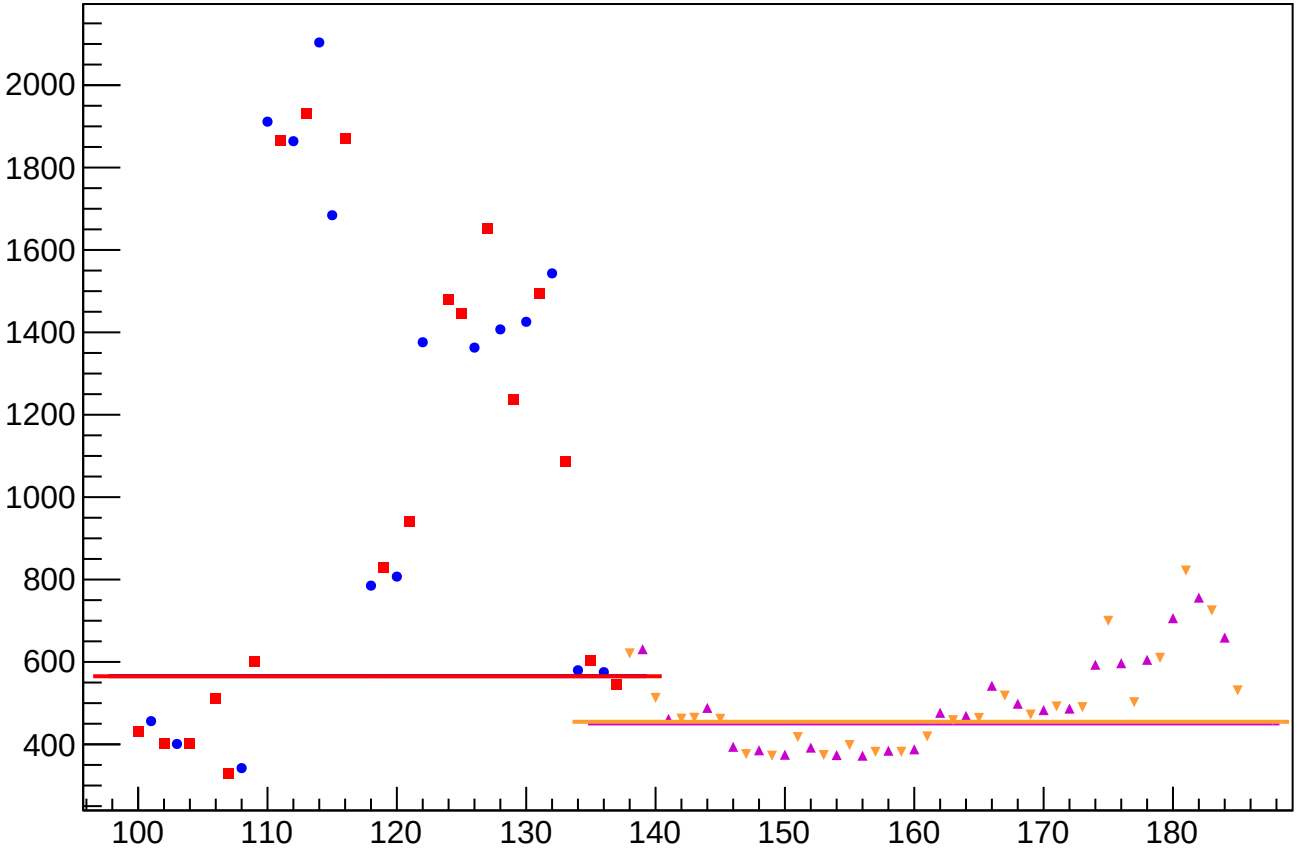
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.319+/-0.097 χ^2/NDF: 44.9/40

All: -0.196+/-0.069 χ^2/NDF: 100.5/82

- 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: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

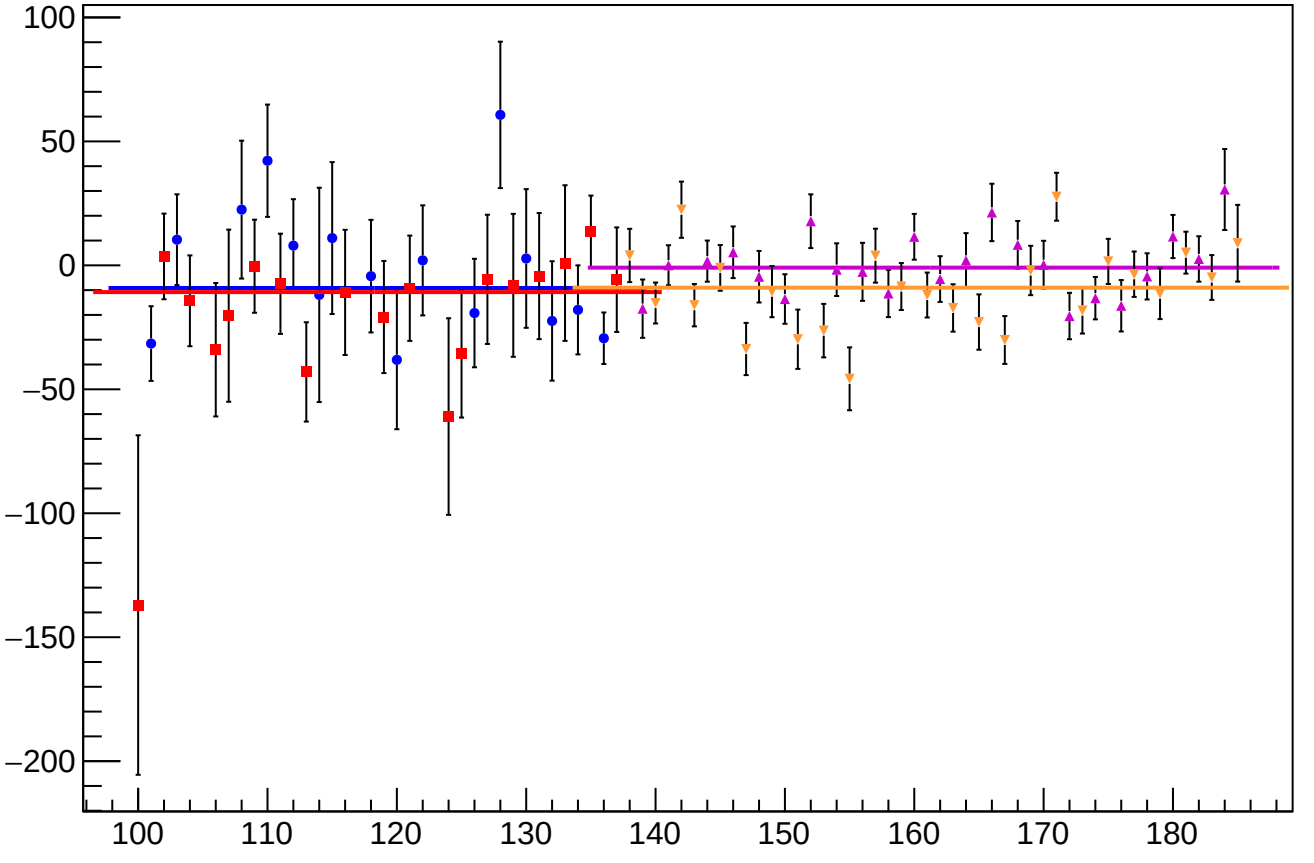
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 472.271+/-0.069 χ^2/NDF: 5248768.8/40

All: 470.914+/-0.049 χ^2/NDF: 10659583.6/82

- 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: -9.001+/-1.982 χ^2/NDF:61.3/24

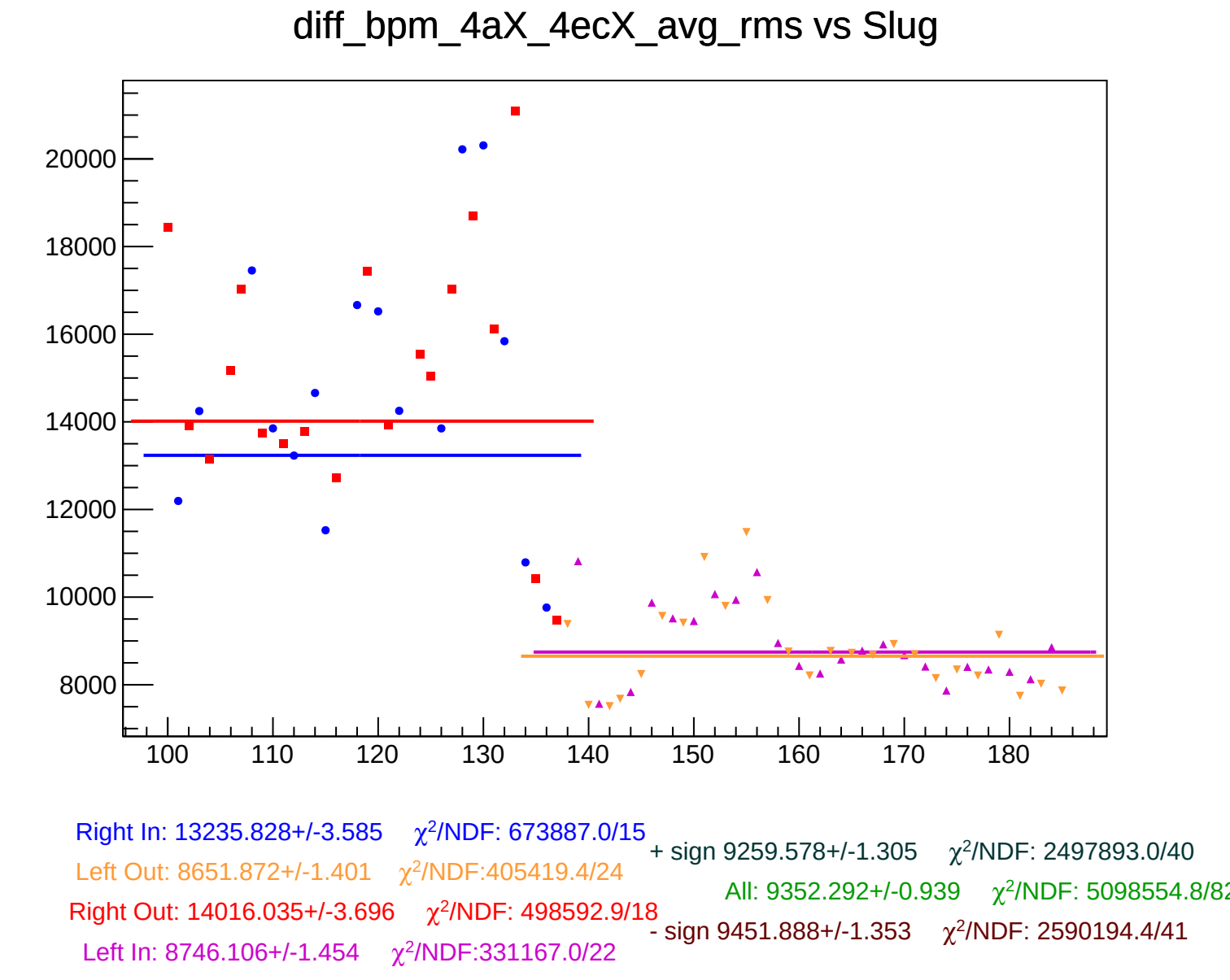
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

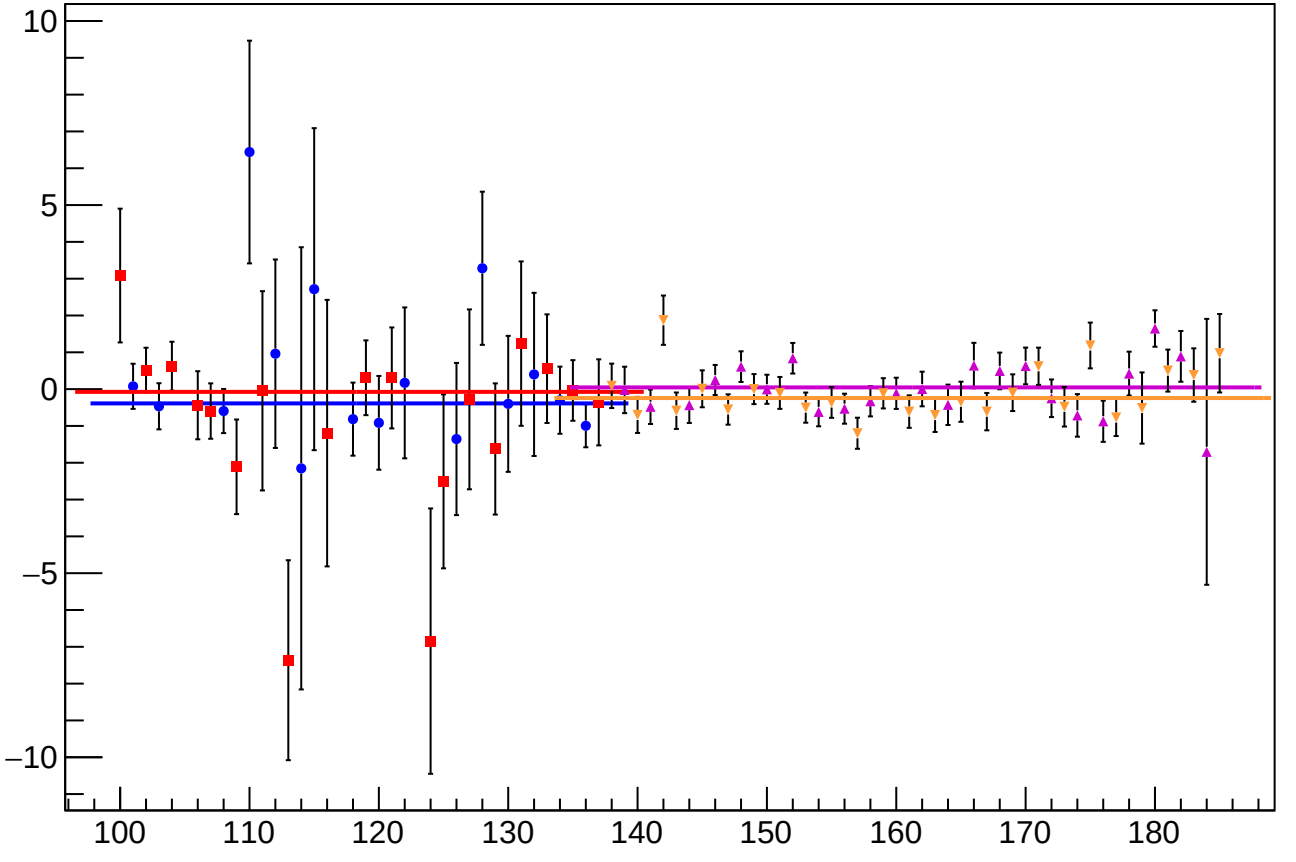
+ sign -9.018+/-1.846 χ^2/NDF: 84.0/40

All: -5.753+/-1.328 χ^2/NDF: 137.1/82

- sign -2.246+/-1.913 χ^2/NDF: 46.6/41


diff_bpm_4aX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
+ sign 9259.578+/-1.305 χ²/NDF: 2497893.0/40
All: 9352.292+/-0.939 χ²/NDF: 5098554.8/82
- sign 9451.888+/-1.353 χ²/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: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

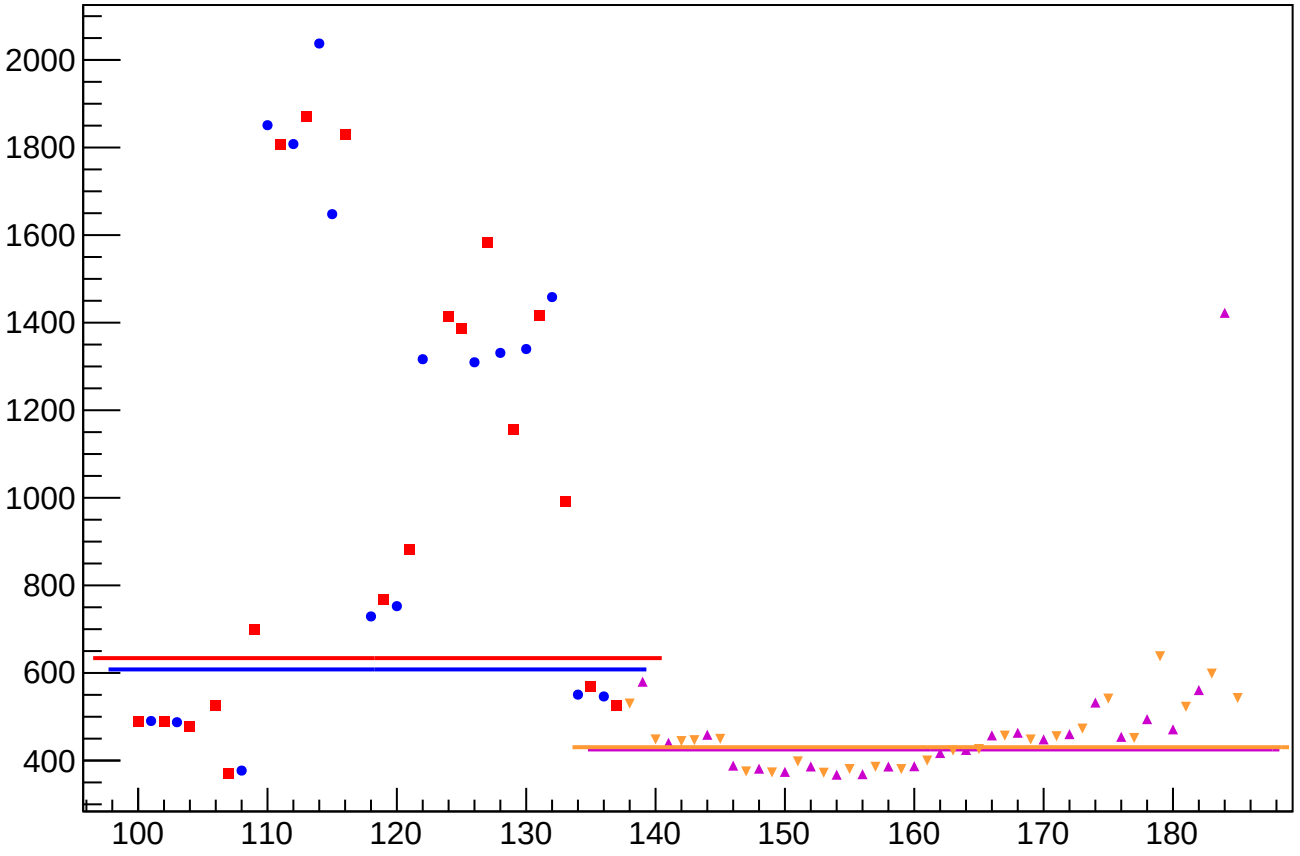
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.262+/-0.093 χ^2/NDF: 46.2/40

All: -0.118+/-0.067 χ^2/NDF: 108.0/82

- 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: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

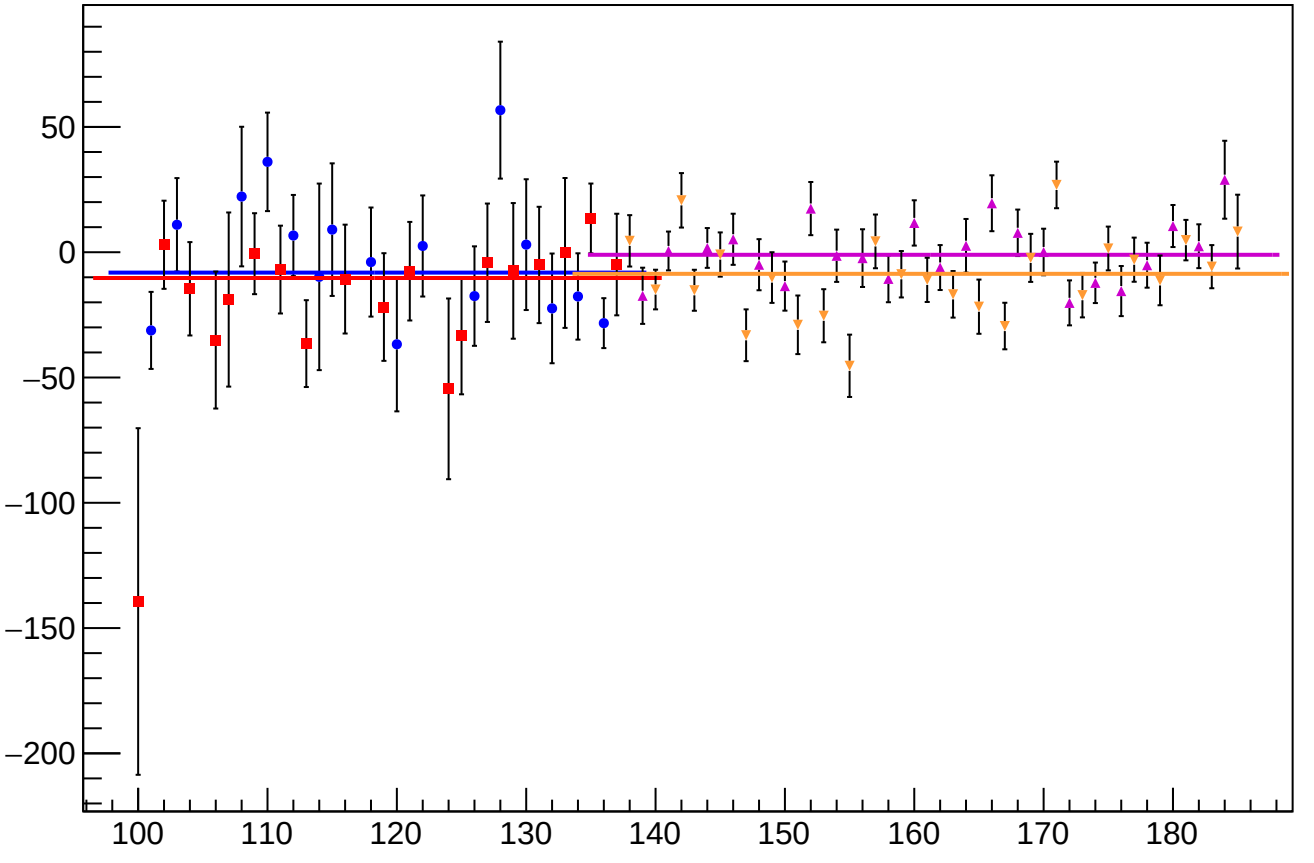
Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 454.086+/-0.066 χ^2/NDF: 4337445.3/40

All: 453.118+/-0.047 χ^2/NDF: 8926897.9/82

- sign 452.119+/-0.067 χ^2/NDF: 4589015.1/41

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

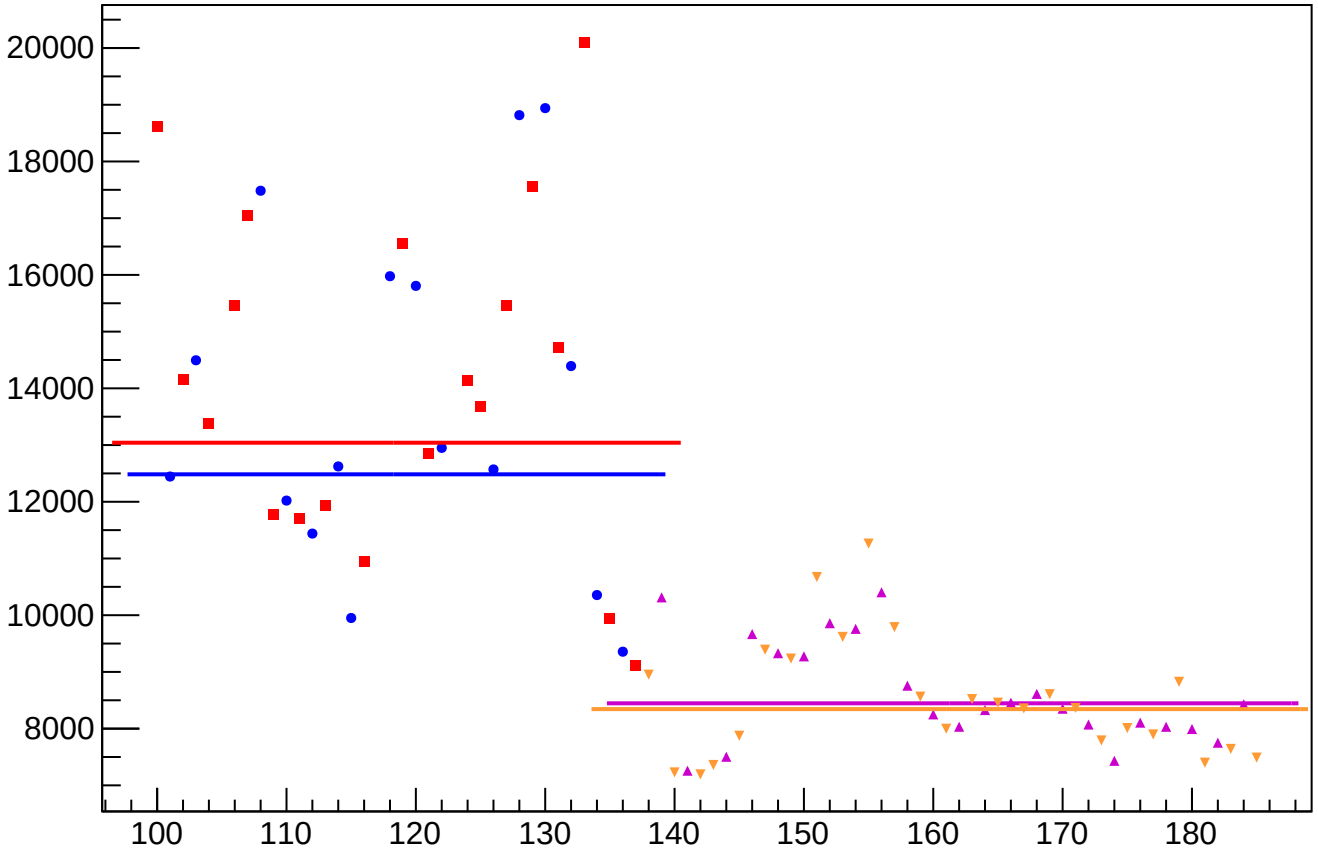
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.555+/-1.776 χ^2/NDF: 84.7/40

All: -5.560+/-1.278 χ^2/NDF: 137.2/82

- 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: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

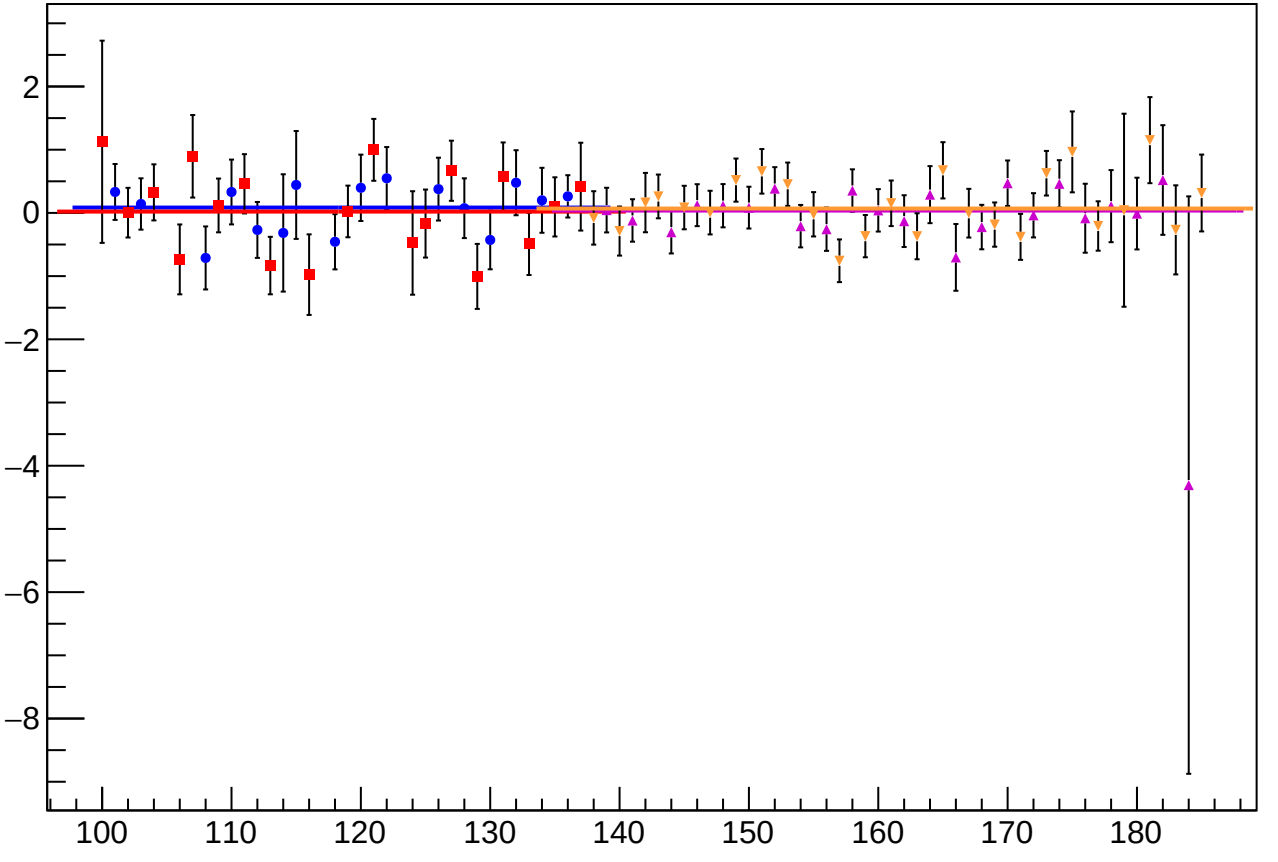
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 8916.017+/-1.256 χ^2/NDF: 2434166.6/40

All: 9005.448+/-0.904 χ^2/NDF: 4895431.9/82

- sign 9101.401+/-1.301 χ^2/NDF: 2450753.2/41

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

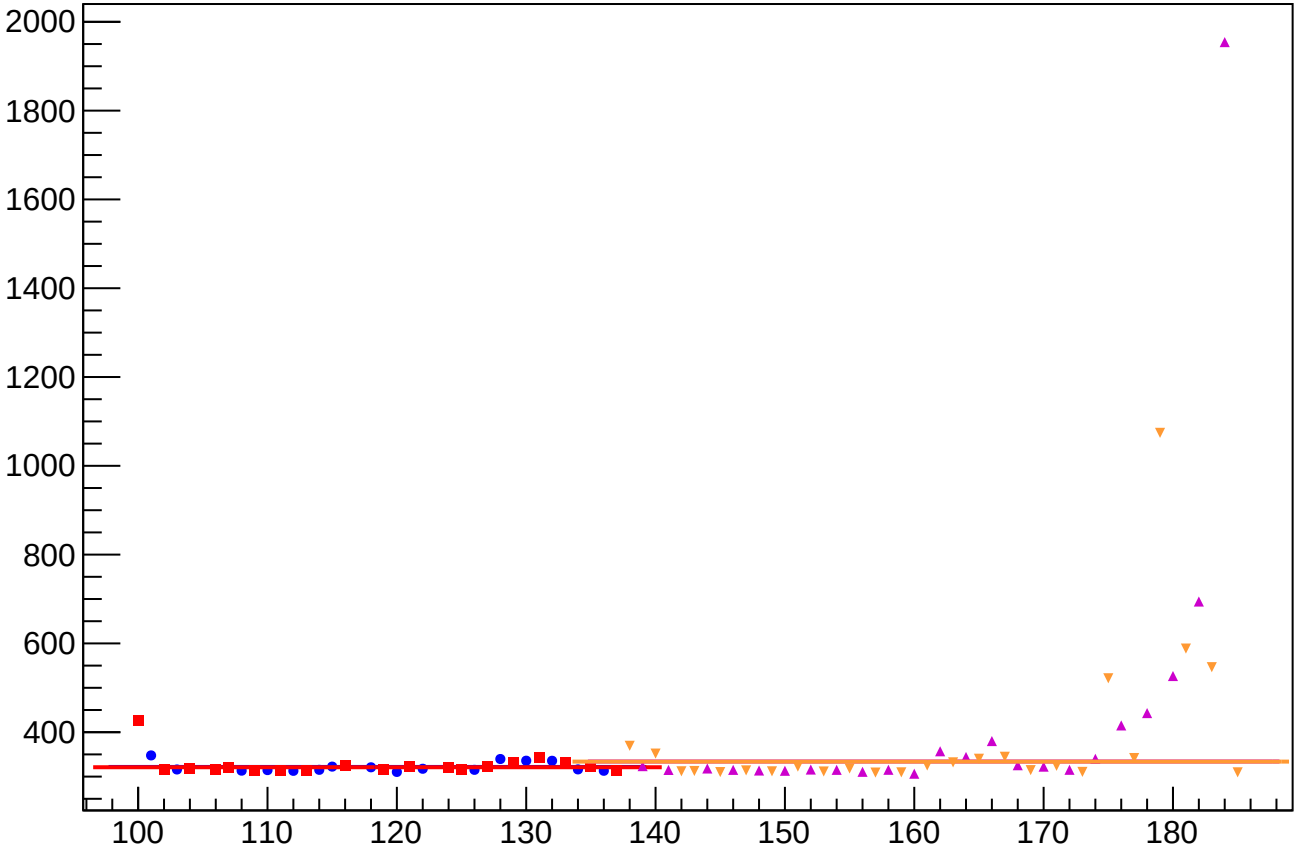
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.074+/-0.066 χ^2/NDF: 37.6/40

All: 0.053+/-0.047 χ^2/NDF: 73.8/82

- 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: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

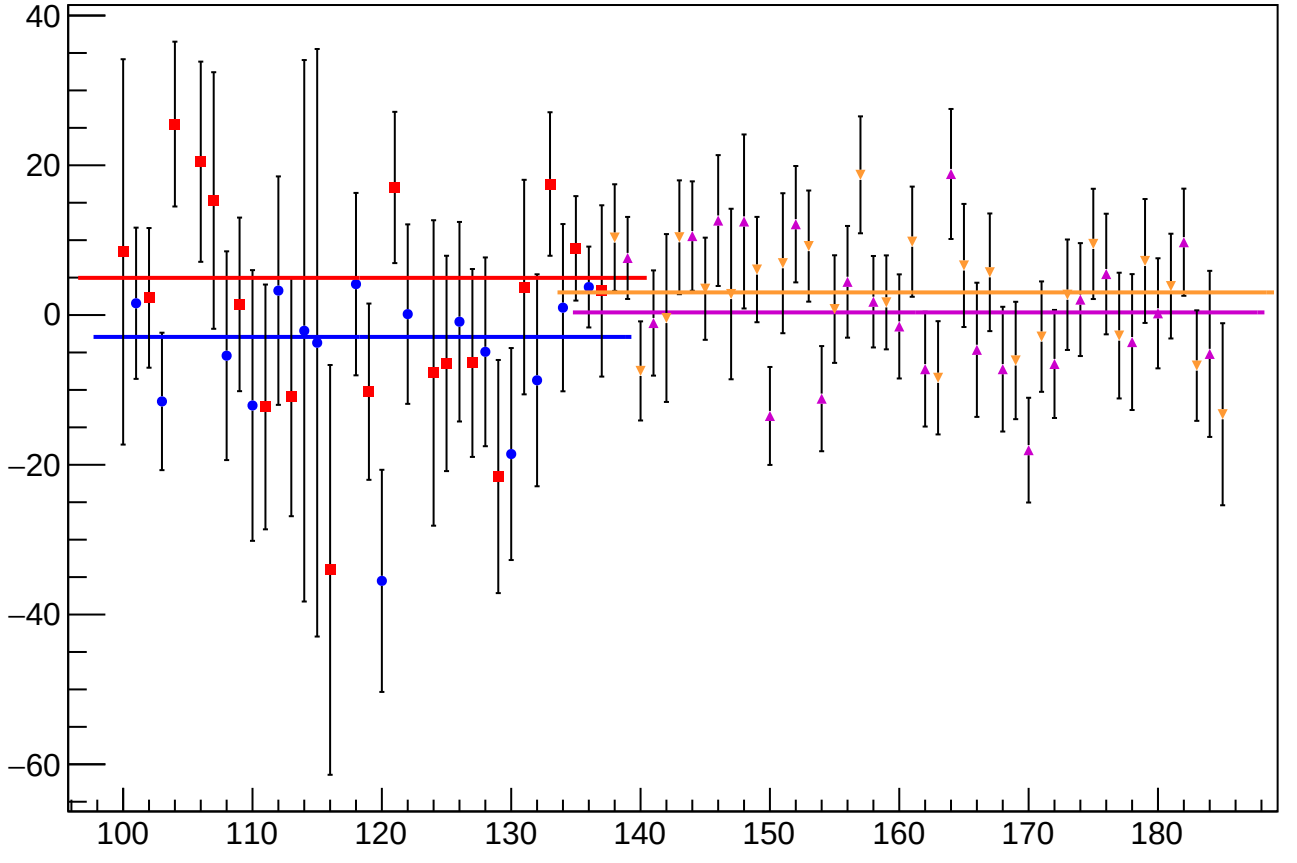
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 330.141+/-0.047 χ^2/NDF: 1249523.6/40

All: 329.989+/-0.033 χ^2/NDF: 2333428.2/82

- 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: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

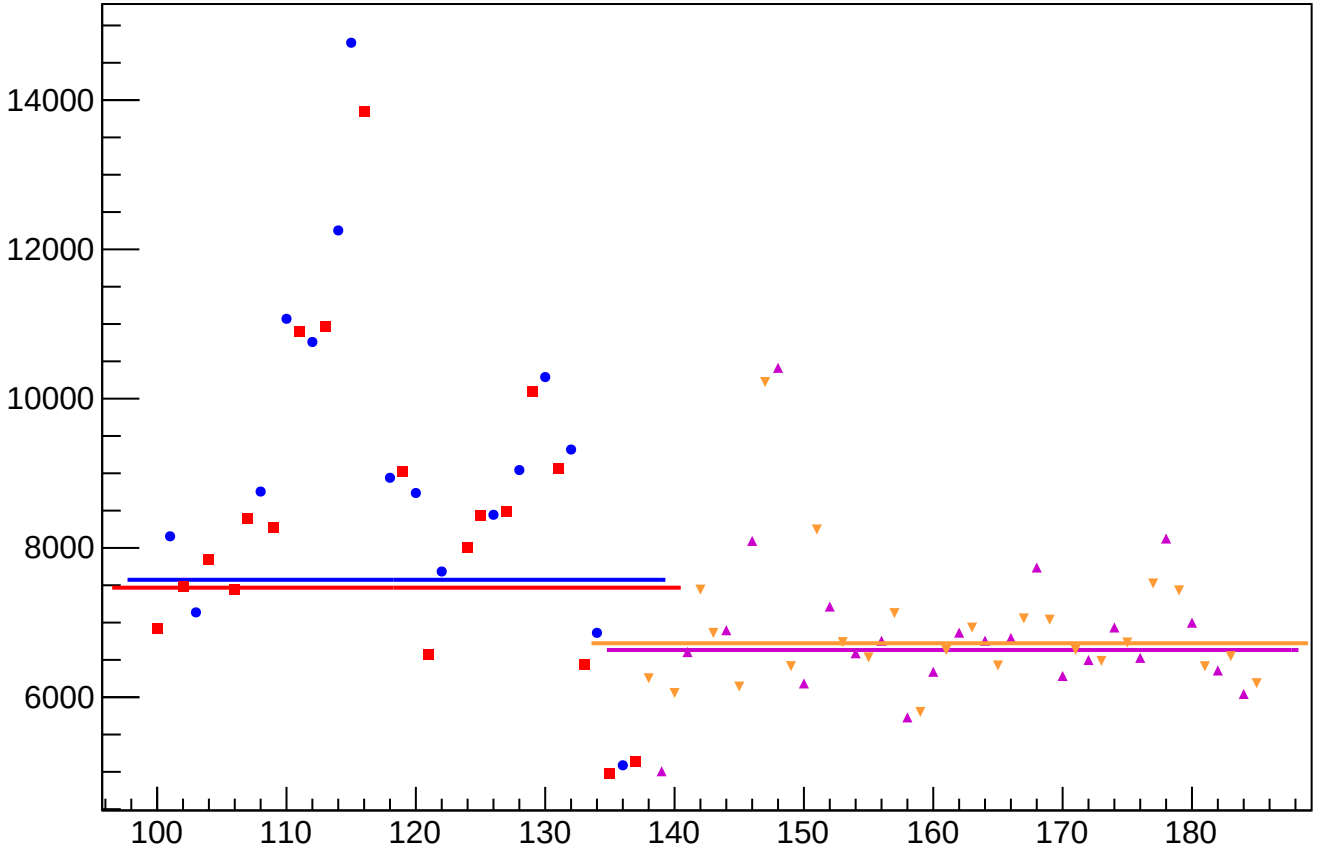
Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.720+/-1.362 χ^2/NDF: 33.4/40

All: 1.581+/-0.966 χ^2/NDF: 88.7/82

- 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: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

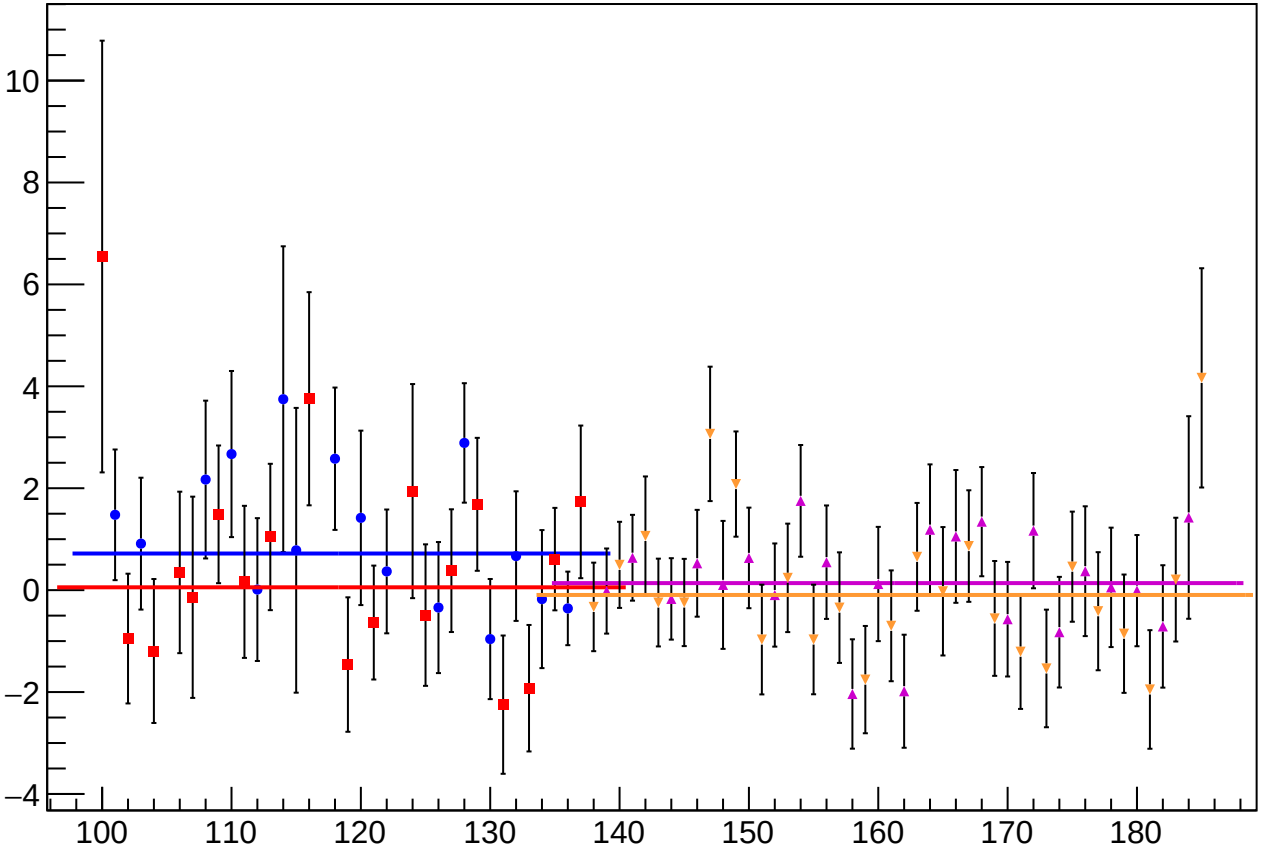
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6909.270+/-0.963 χ^2/NDF: 1434183.8/40

All: 6869.639+/-0.683 χ^2/NDF: 3028994.8/82

- sign 6829.495+/-0.970 χ^2/NDF: 1591404.0/41

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

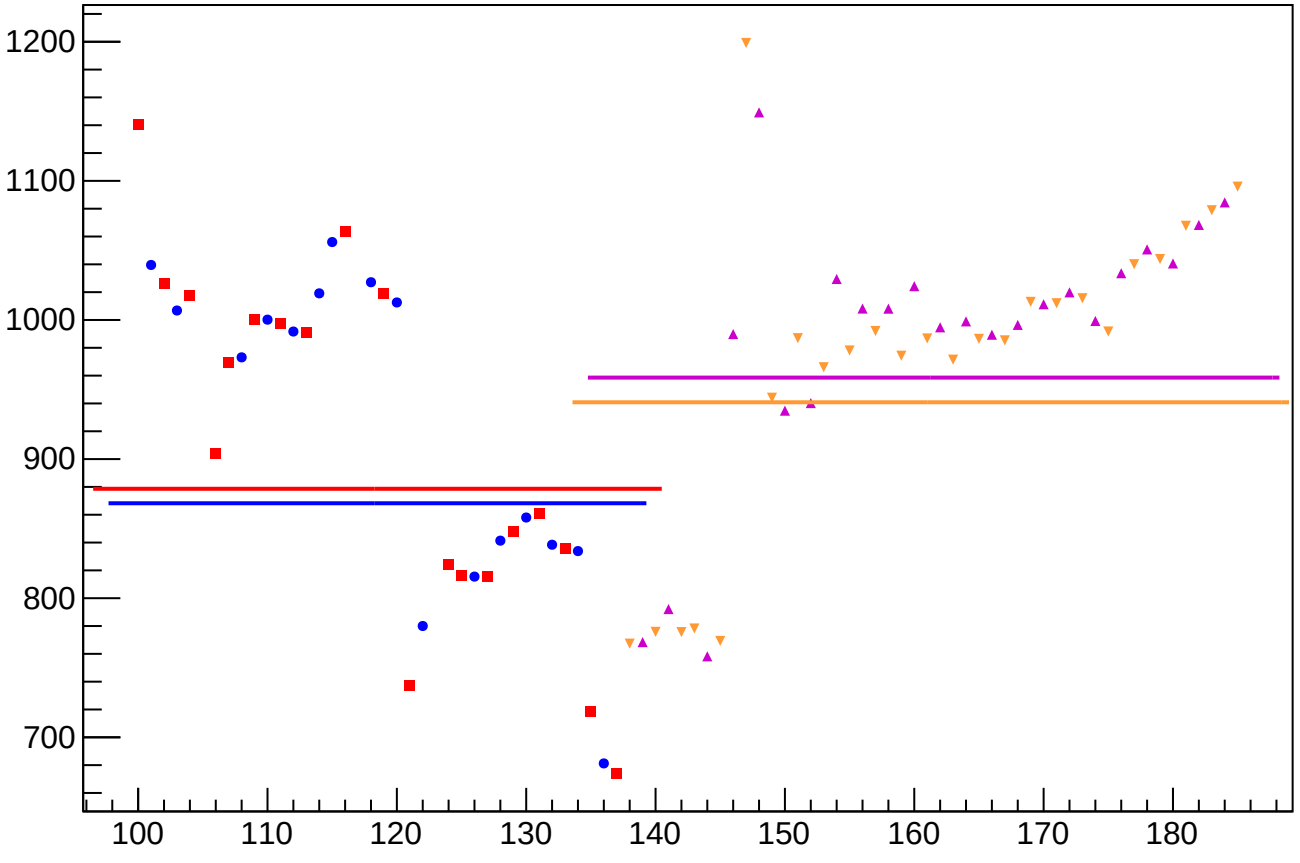
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.153+/-0.180 χ^2/NDF: 46.5/40

All: 0.133+/-0.129 χ^2/NDF: 82.8/82

- 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: 940.844+/-0.152 χ^2/NDF:568776.0/24

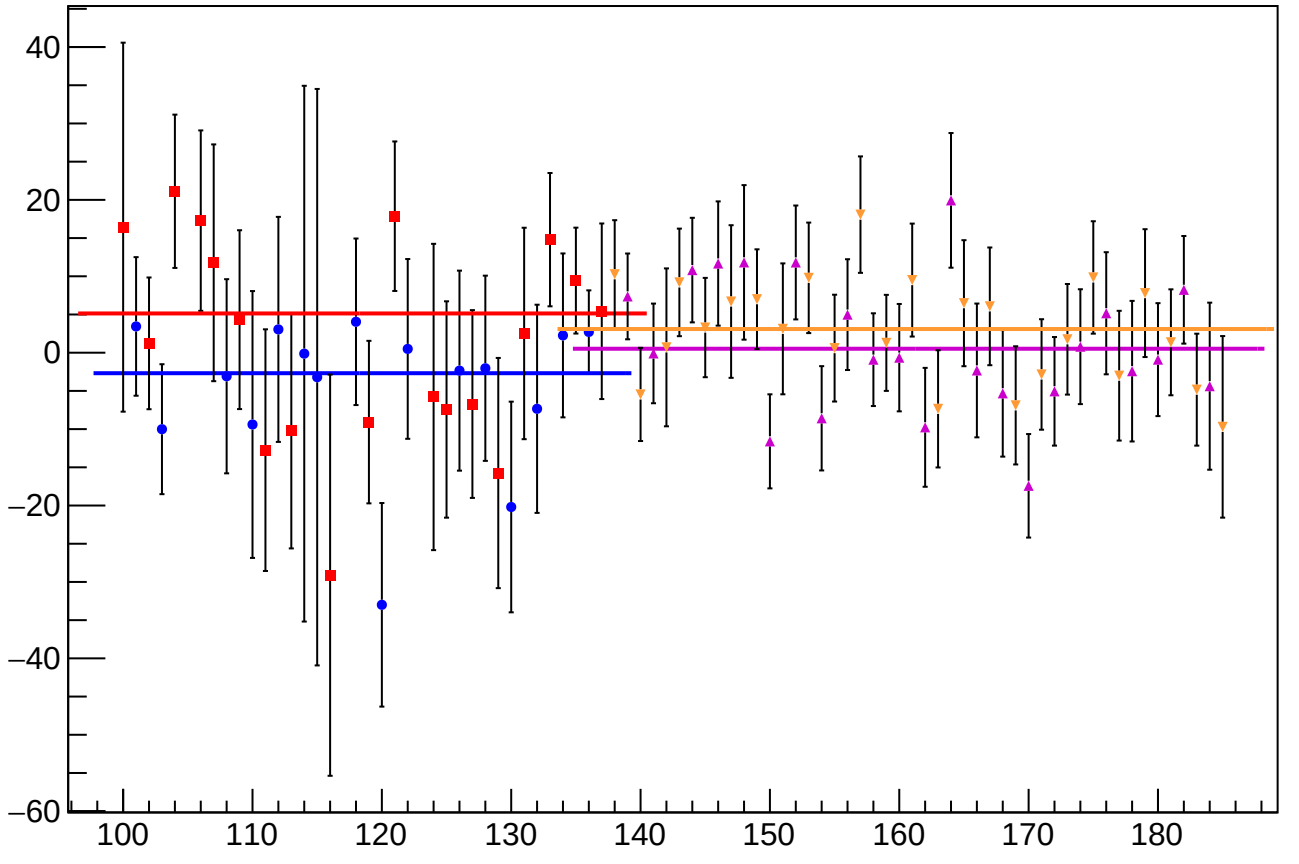
Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 918.780+/-0.127 χ^2/NDF: 940243.2/40

All: 925.422+/-0.091 χ^2/NDF: 1757460.1/82

- sign 932.453+/-0.131 χ^2/NDF: 811591.1/41



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

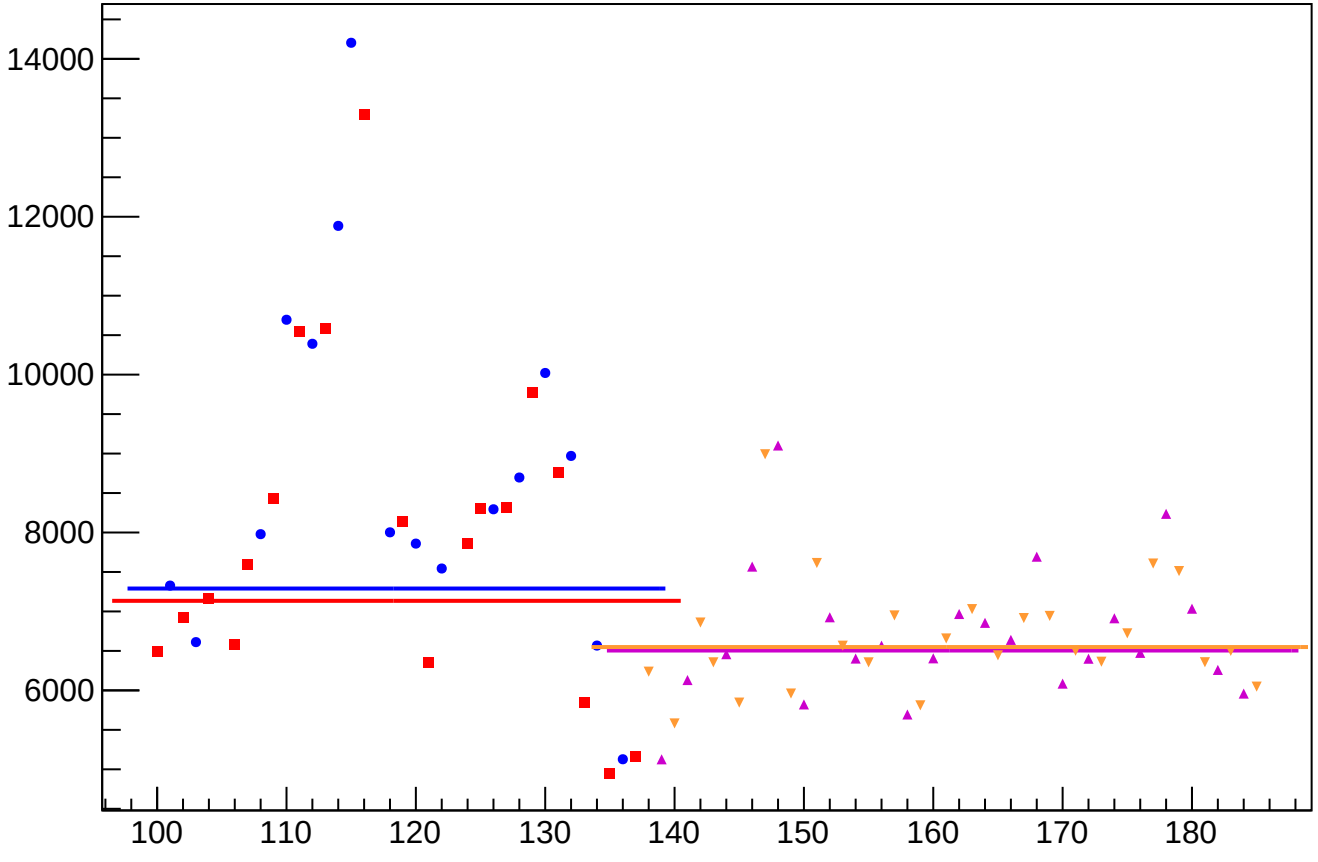
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.801+/-1.321 χ^2/NDF: 32.0/40

All: 1.727+/-0.938 χ^2/NDF: 83.5/82

- 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: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

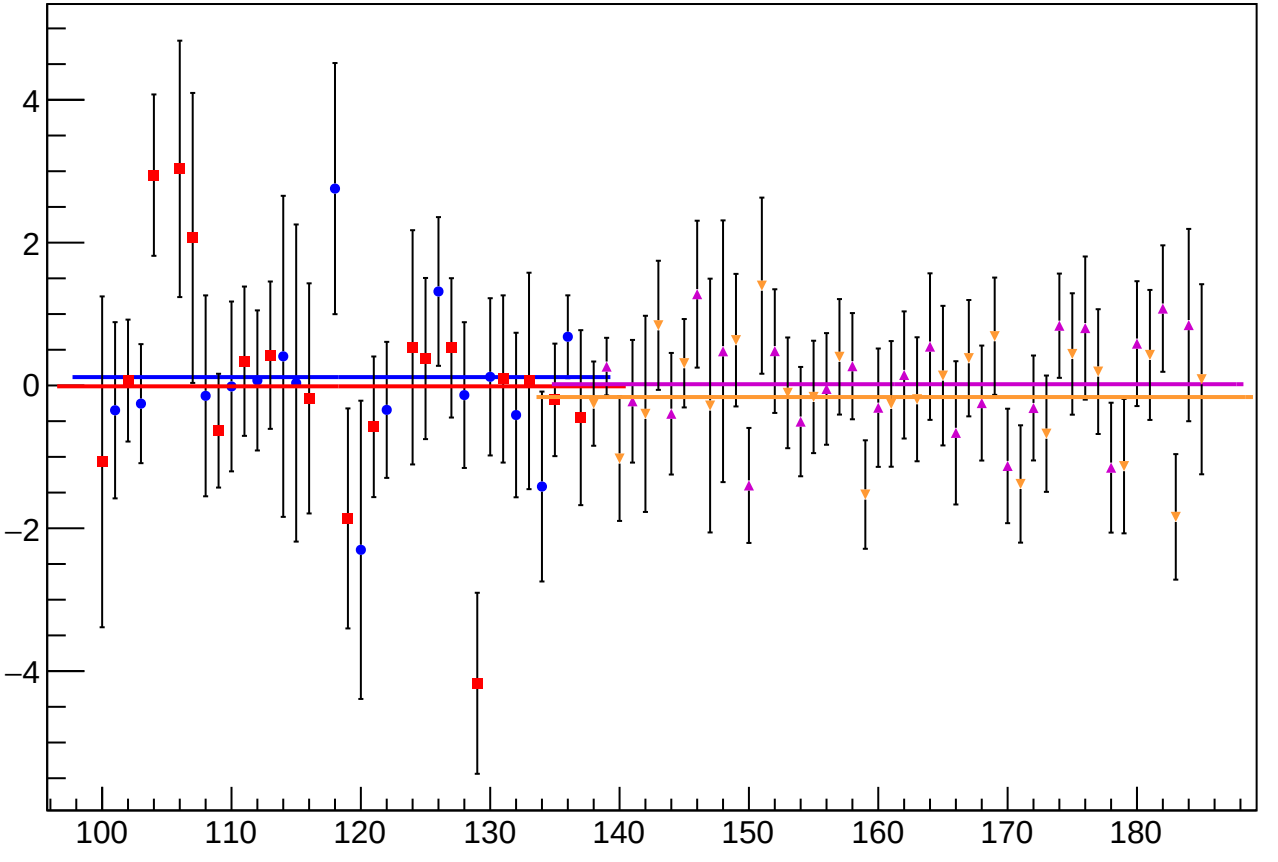
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6715.340+/-0.934 χ^2/NDF: 1246240.1/40

All: 6687.657+/-0.664 χ^2/NDF: 2638797.0/82

- 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: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

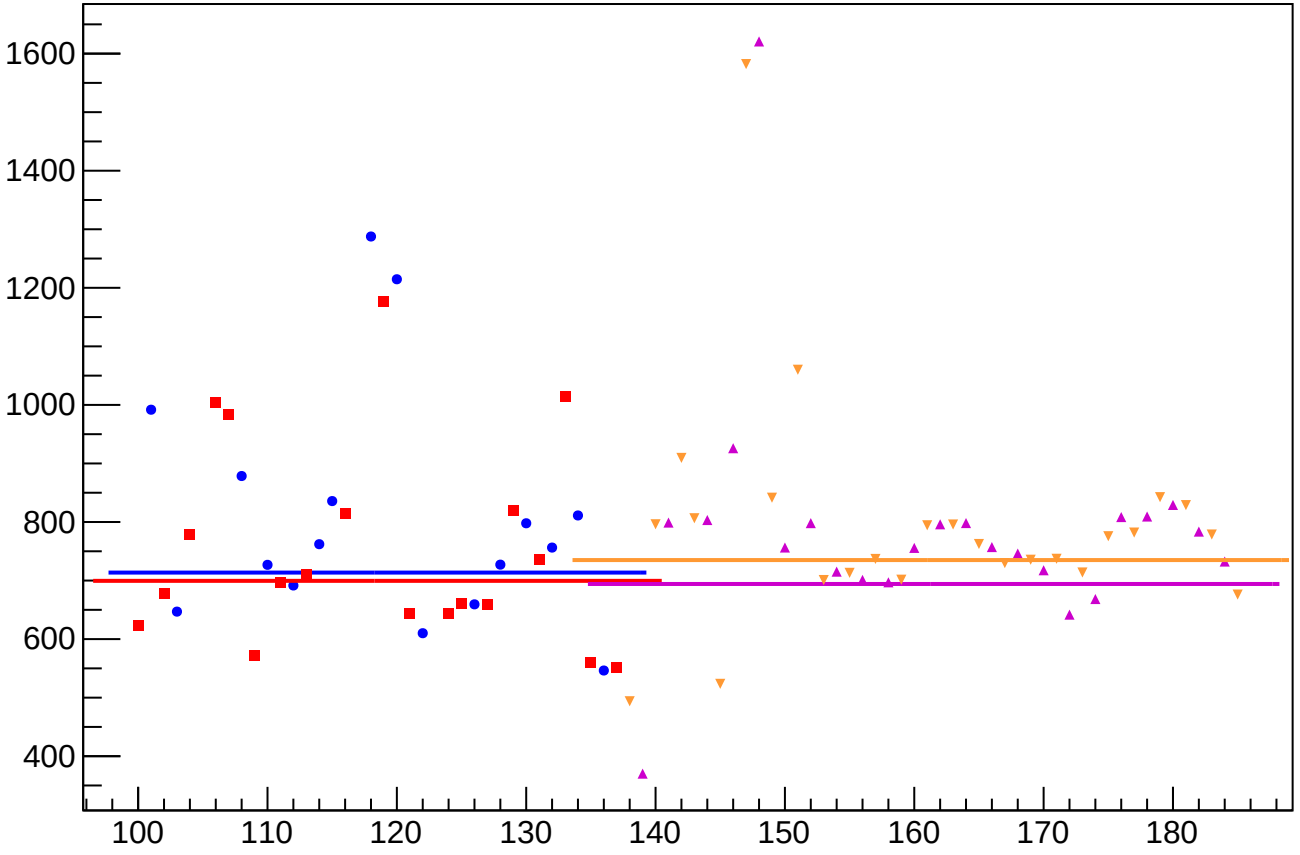
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.083+/-0.146 χ^2/NDF: 27.8/40

All: -0.036+/-0.102 χ^2/NDF: 68.4/82

- sign 0.009+/-0.142 χ^2/NDF: 40.4/41

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

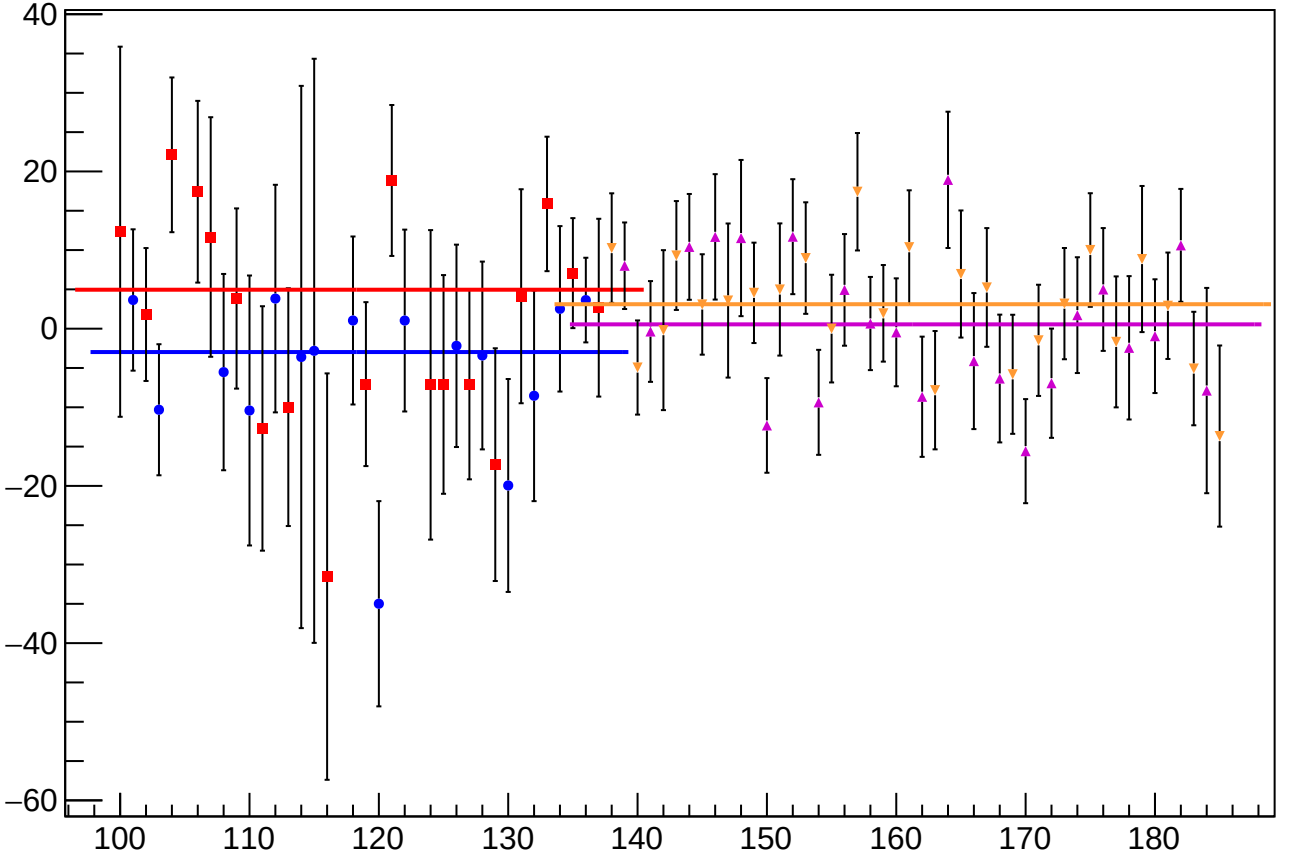
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 728.914+/-0.103 χ^2/NDF: 2047803.7/40

All: 711.925+/-0.072 χ^2/NDF: 4902442.0/82

- 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: 3.111+/-1.476 χ^2/NDF:18.7/24

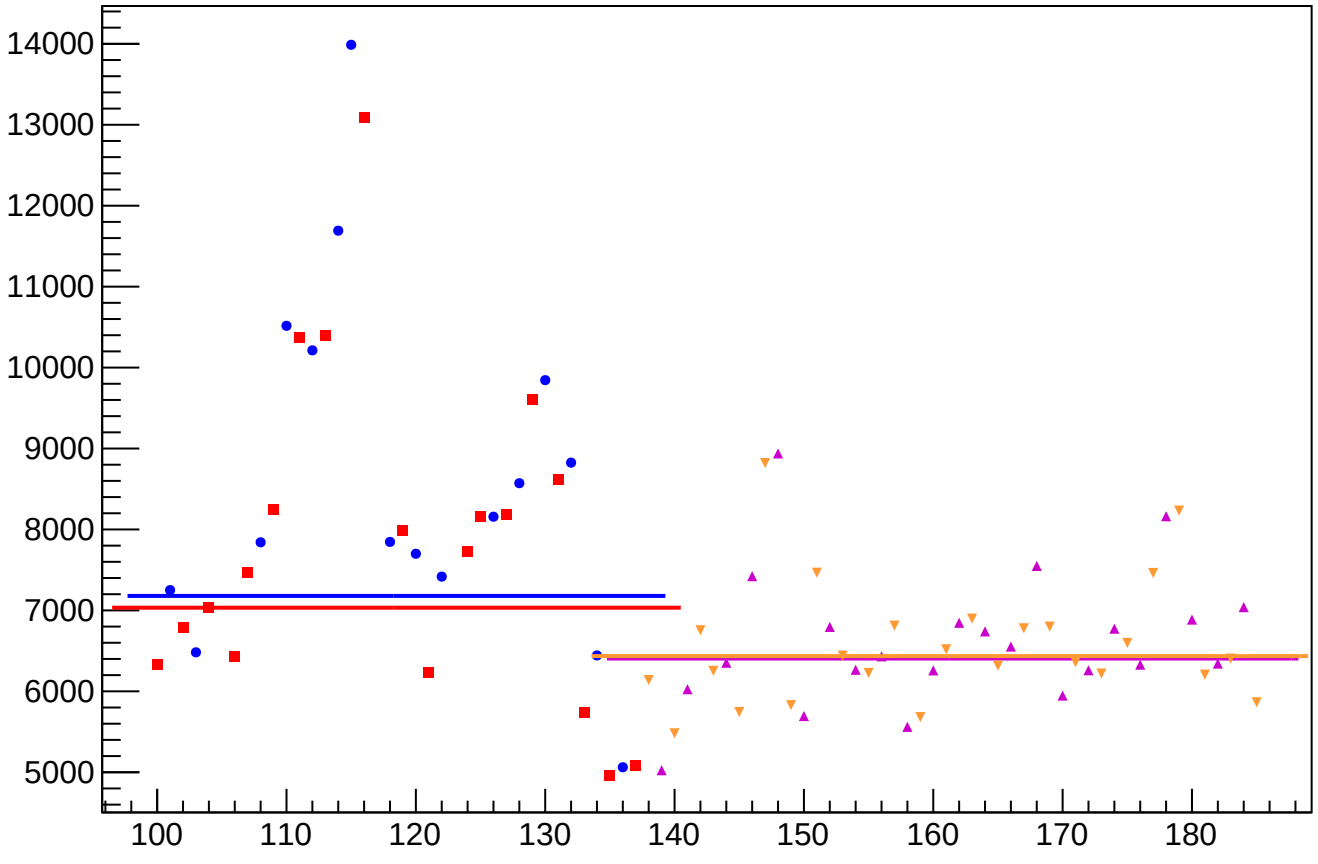
Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.747+/-1.300 χ^2/NDF: 34.1/40

All: 1.689+/-0.924 χ^2/NDF: 88.2/82

- sign 1.630+/-1.314 χ^2/NDF: 54.1/41



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

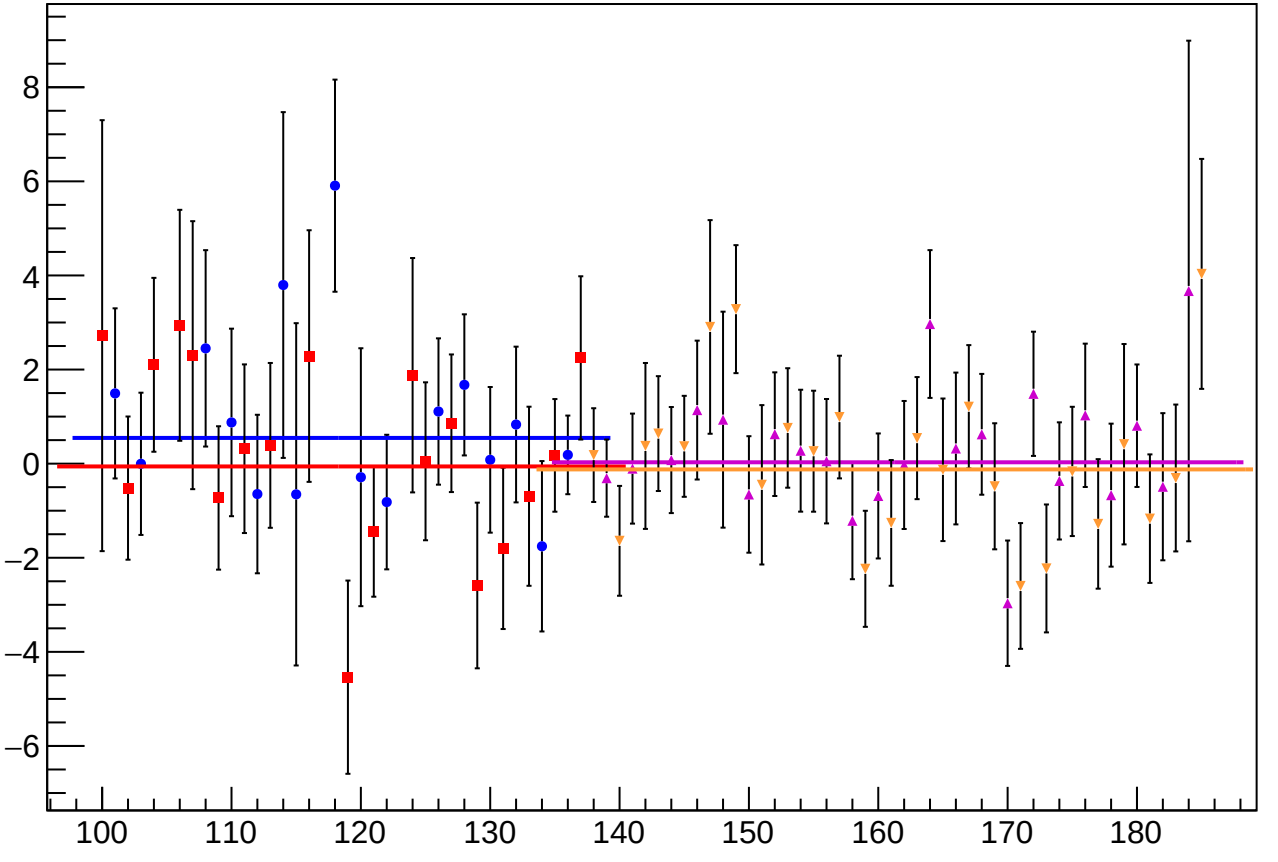
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6602.070+/-0.919 χ^2/NDF: 1293016.3/40

All: 6580.921+/-0.654 χ^2/NDF: 2670207.0/82

- 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: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

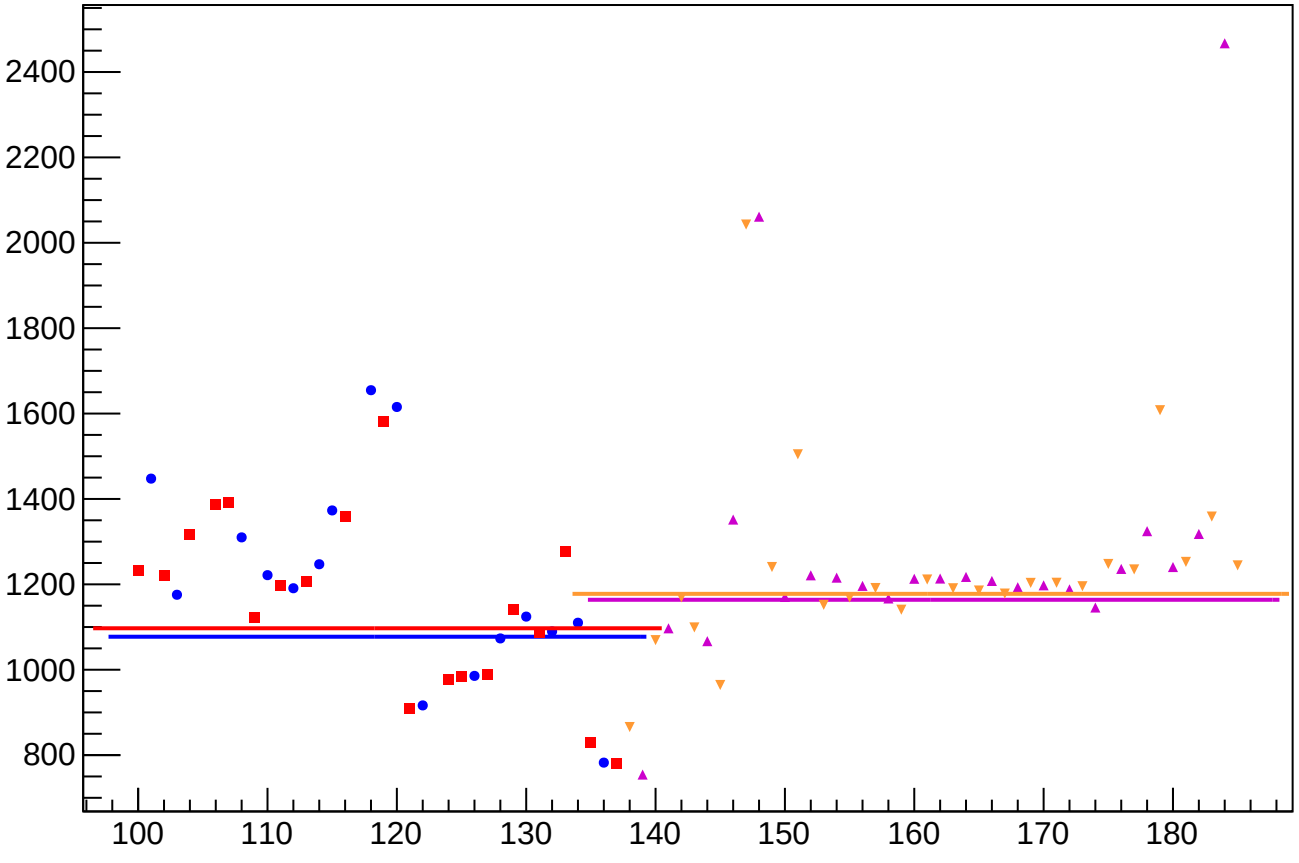
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.083+/-0.228 χ^2/NDF: 40.7/40

All: 0.042+/-0.162 χ^2/NDF: 72.1/82

- 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: 1177.742+/-0.193 χ^2/NDF:800899.0/24

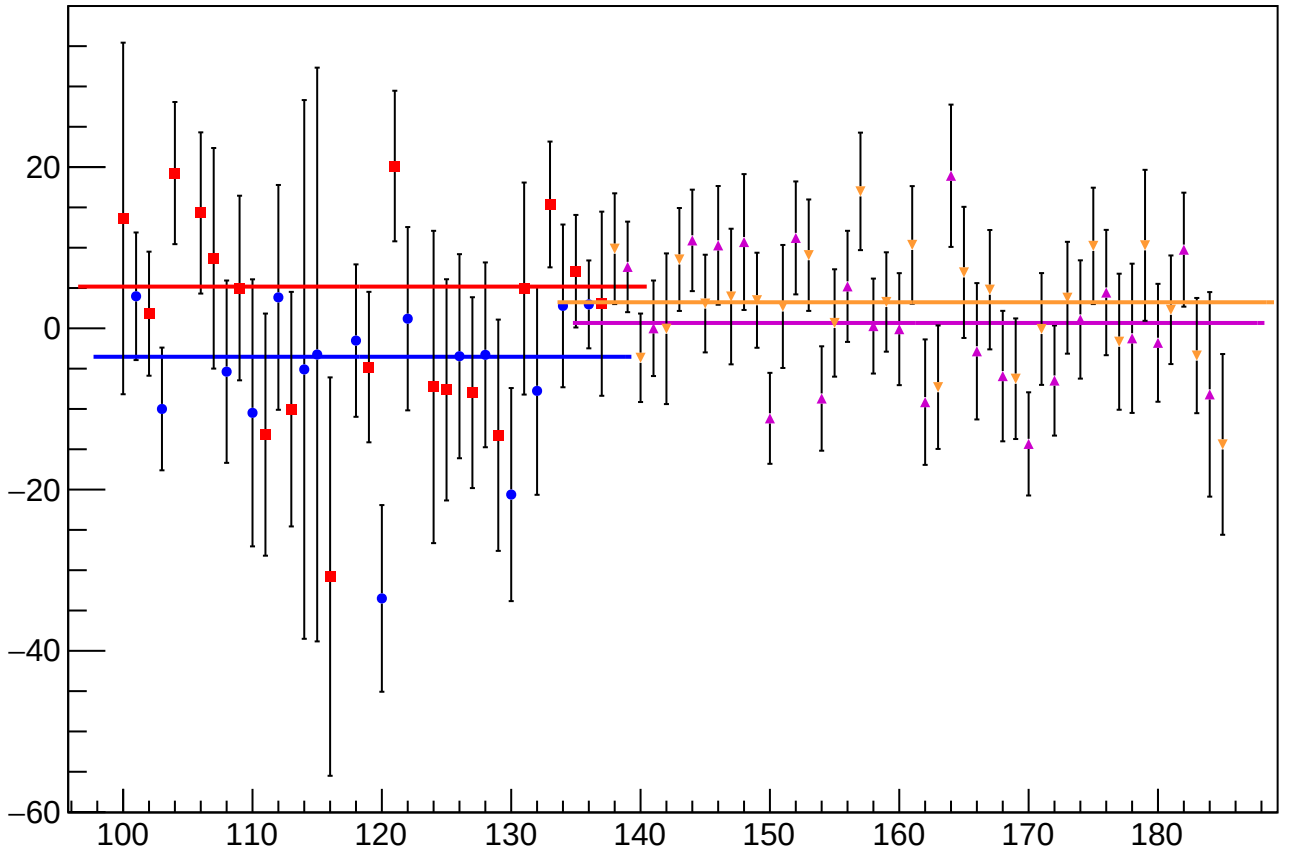
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1146.923+/-0.161 χ^2/NDF: 1530256.6/40

All: 1144.822+/-0.114 χ^2/NDF: 3103552.6/82

- 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: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

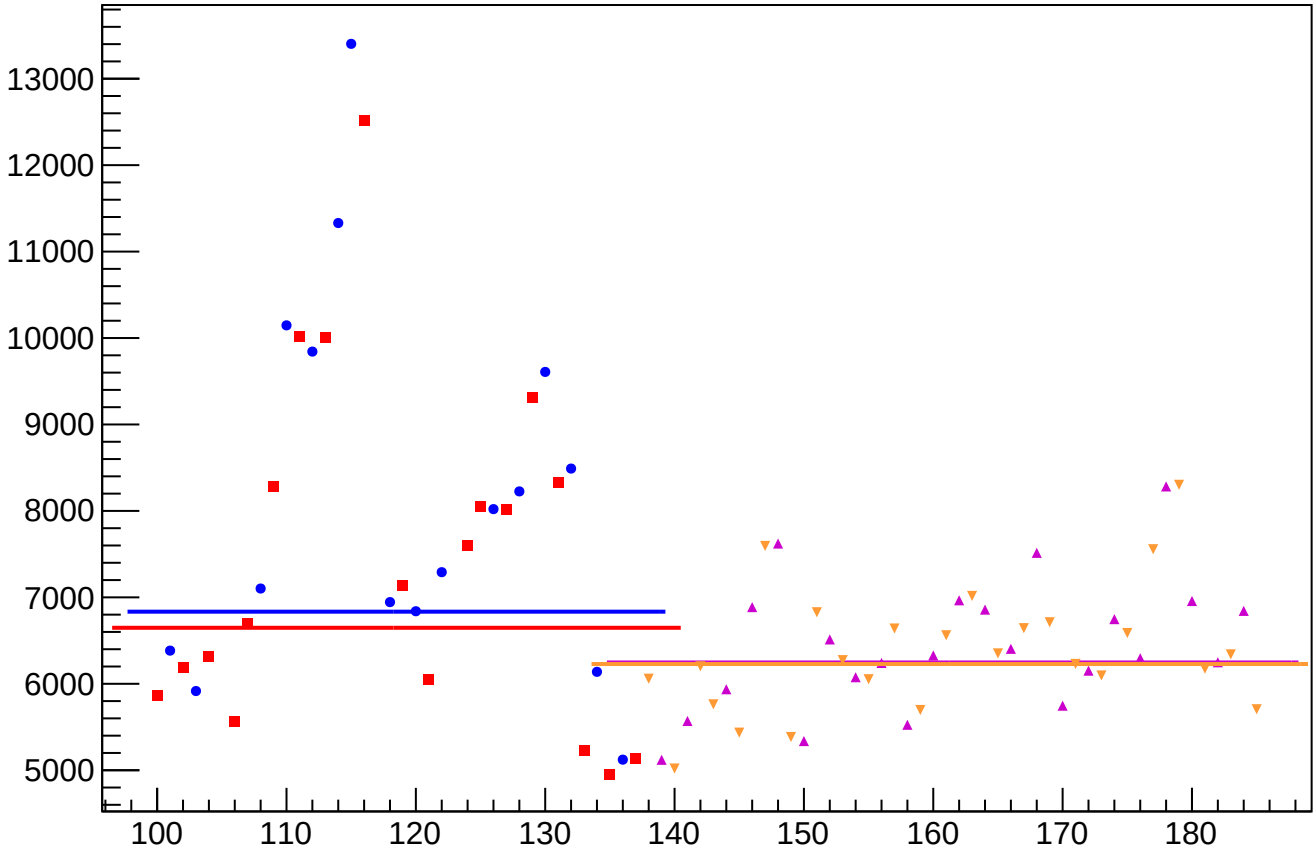
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.672+/-1.254 χ^2/NDF: 35.7/40

All: 1.747+/-0.892 χ^2/NDF: 88.7/82

- 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: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

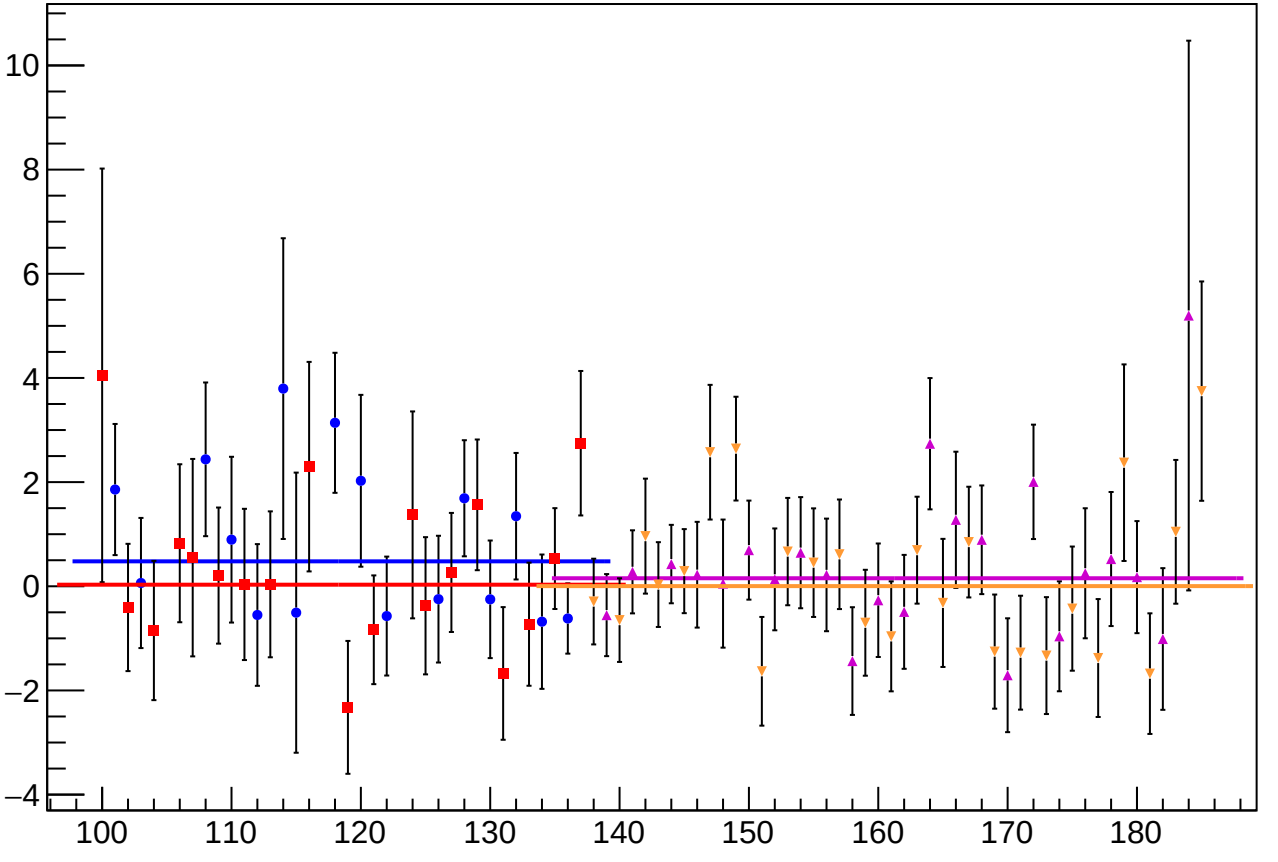
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

\+ sign 6368.586+/-0.886 χ^2/NDF: 1246516.9/40

All: 6359.305+/-0.631 χ^2/NDF: 2554869.0/82

\- 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: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

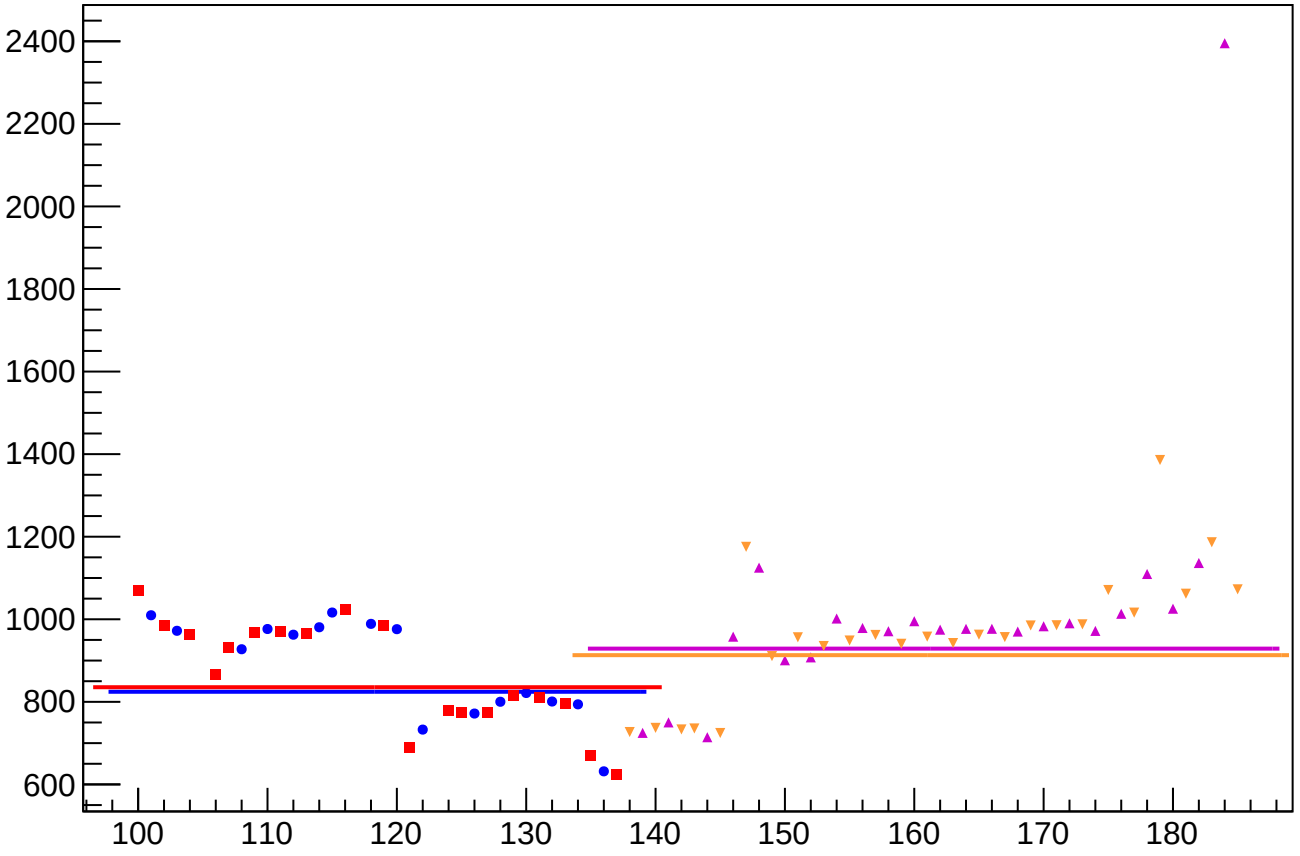
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.154+/-0.175 χ^2/NDF: 50.0/40

All: 0.134+/-0.125 χ^2/NDF: 84.2/82

- 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: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

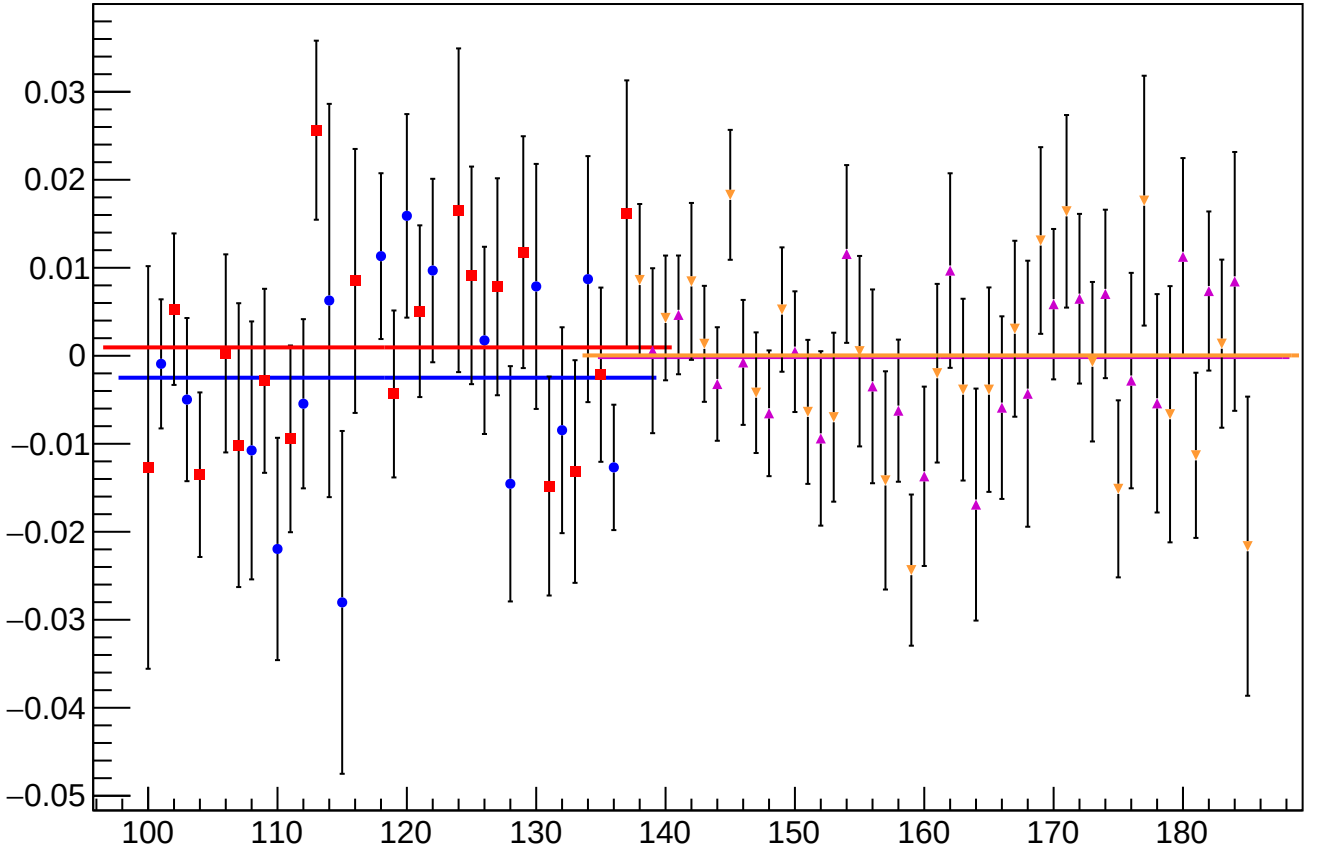
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 884.938+/-0.124 χ^2/NDF: 1365710.9/40

All: 890.911+/-0.089 χ^2/NDF: 2580157.5/82

- 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:31.1/24

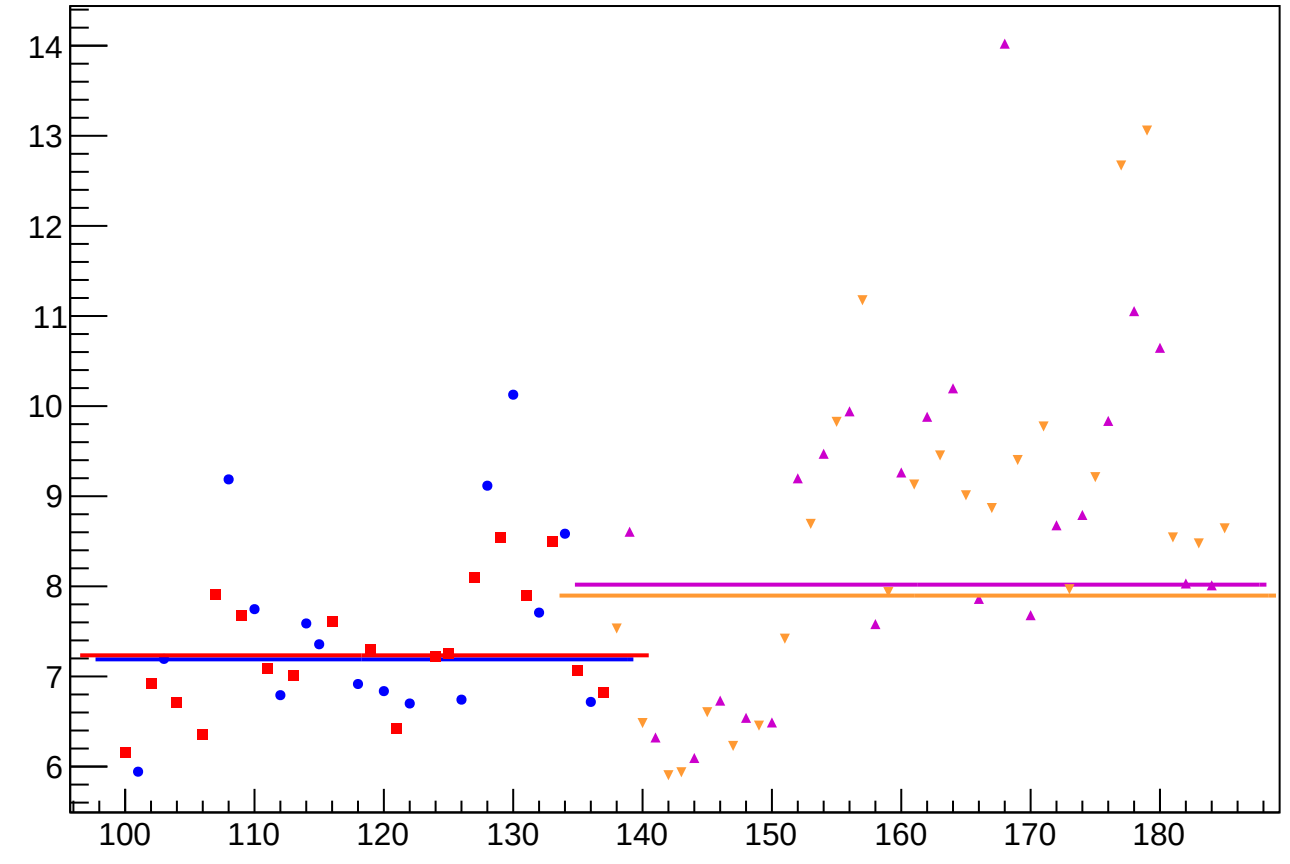
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.001+/-0.002 χ^2/NDF: 47.0/40

All: -0.000+/-0.001 χ^2/NDF: 77.4/82

- 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: 7.897+/-0.001 χ^2/NDF:1590867.7/24

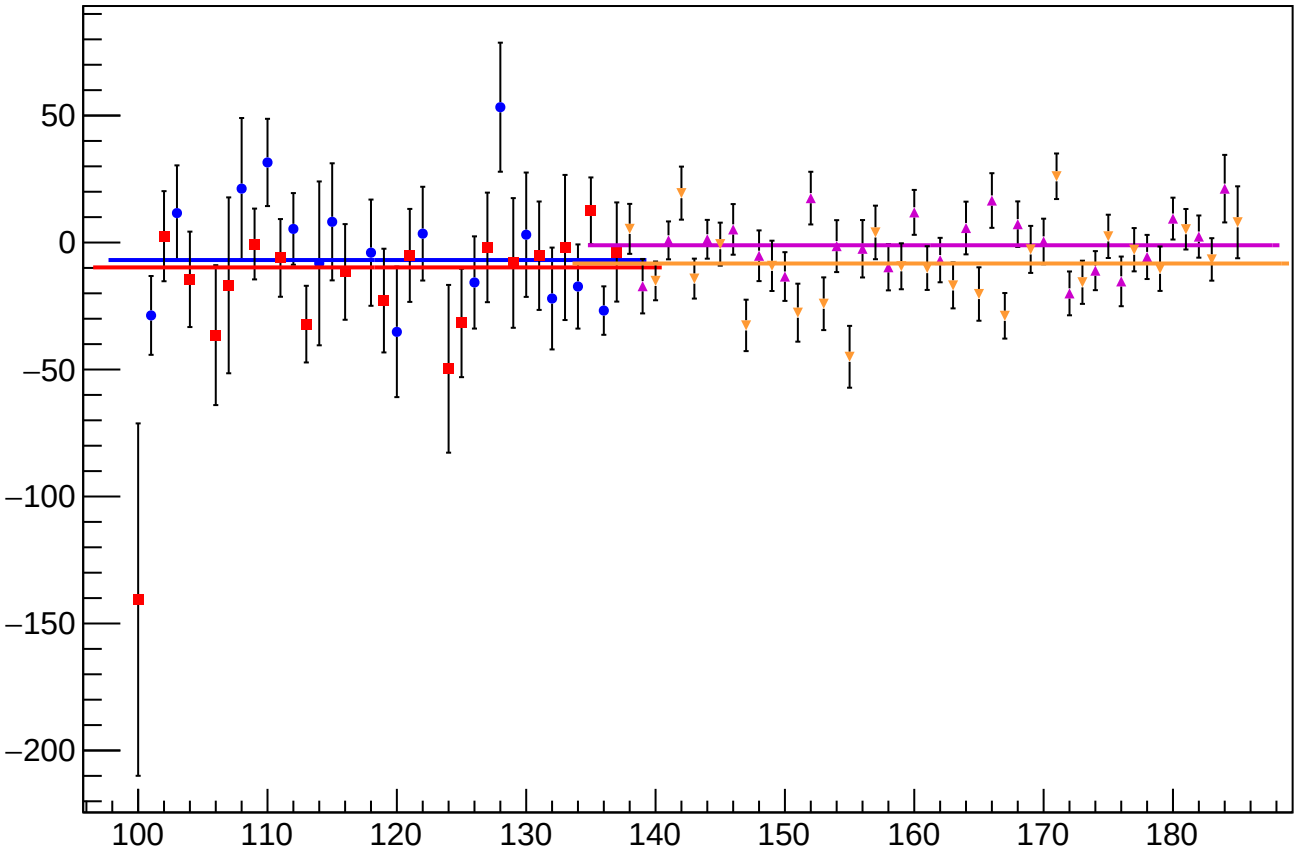
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.673+/-0.001 χ^2/NDF: 1961785.6/40

All: 7.711+/-0.001 χ^2/NDF: 3640795.1/82

- 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: -8.256+/-1.849 χ^2/NDF:62.2/24

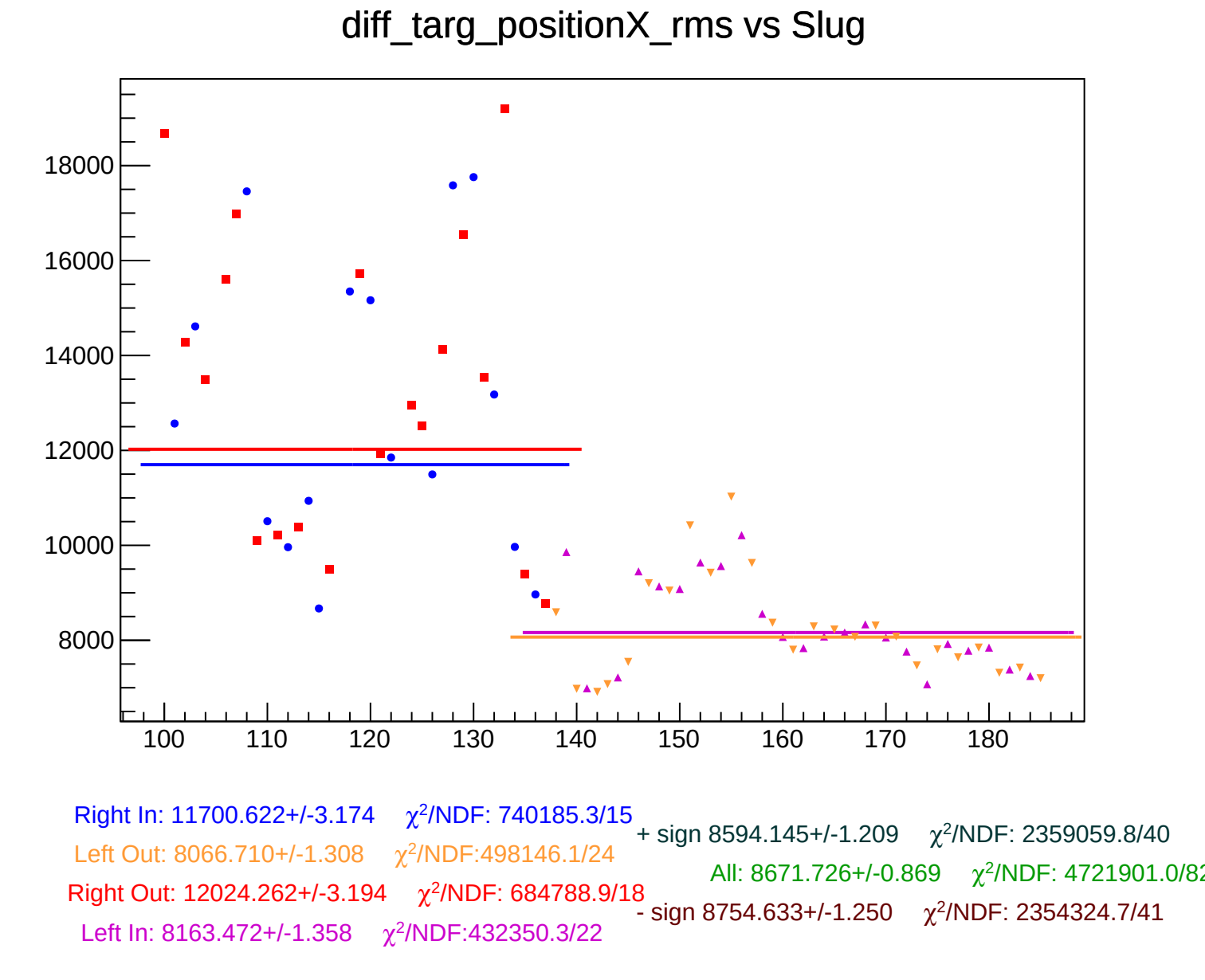
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

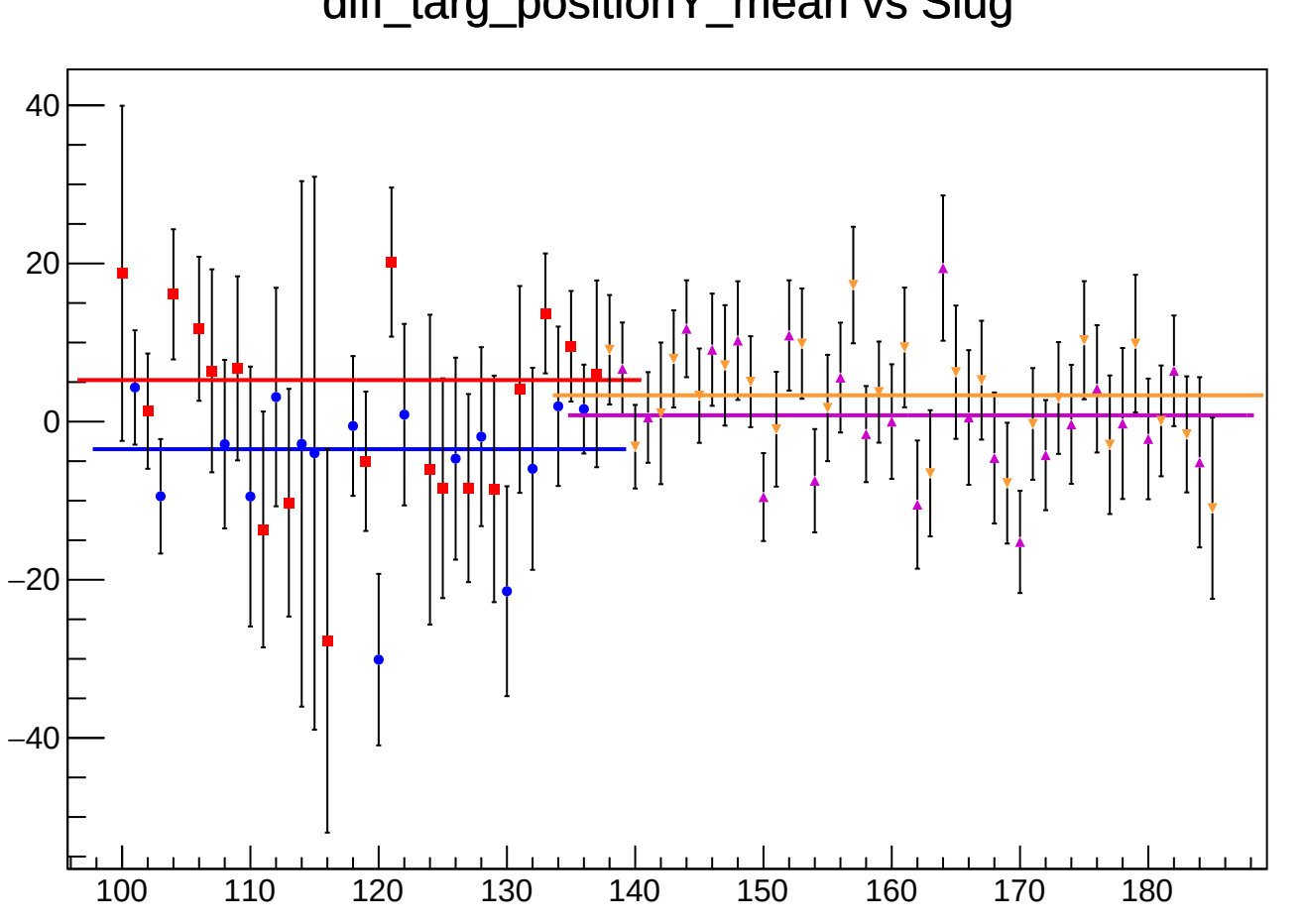
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.058+/-1.710 χ^2/NDF: 85.3/40

All: -5.326+/-1.229 χ^2/NDF: 136.5/82

- sign -2.407+/-1.768 χ^2/NDF: 46.0/41


diff_targ_positionX_rms vs Slug
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
+ sign 8594.145+/-1.209 χ²/NDF: 2359059.8/40
All: 8671.726+/-0.869 χ²/NDF: 4721901.0/82
- sign 8754.633+/-1.250 χ²/NDF: 2354324.7/41



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

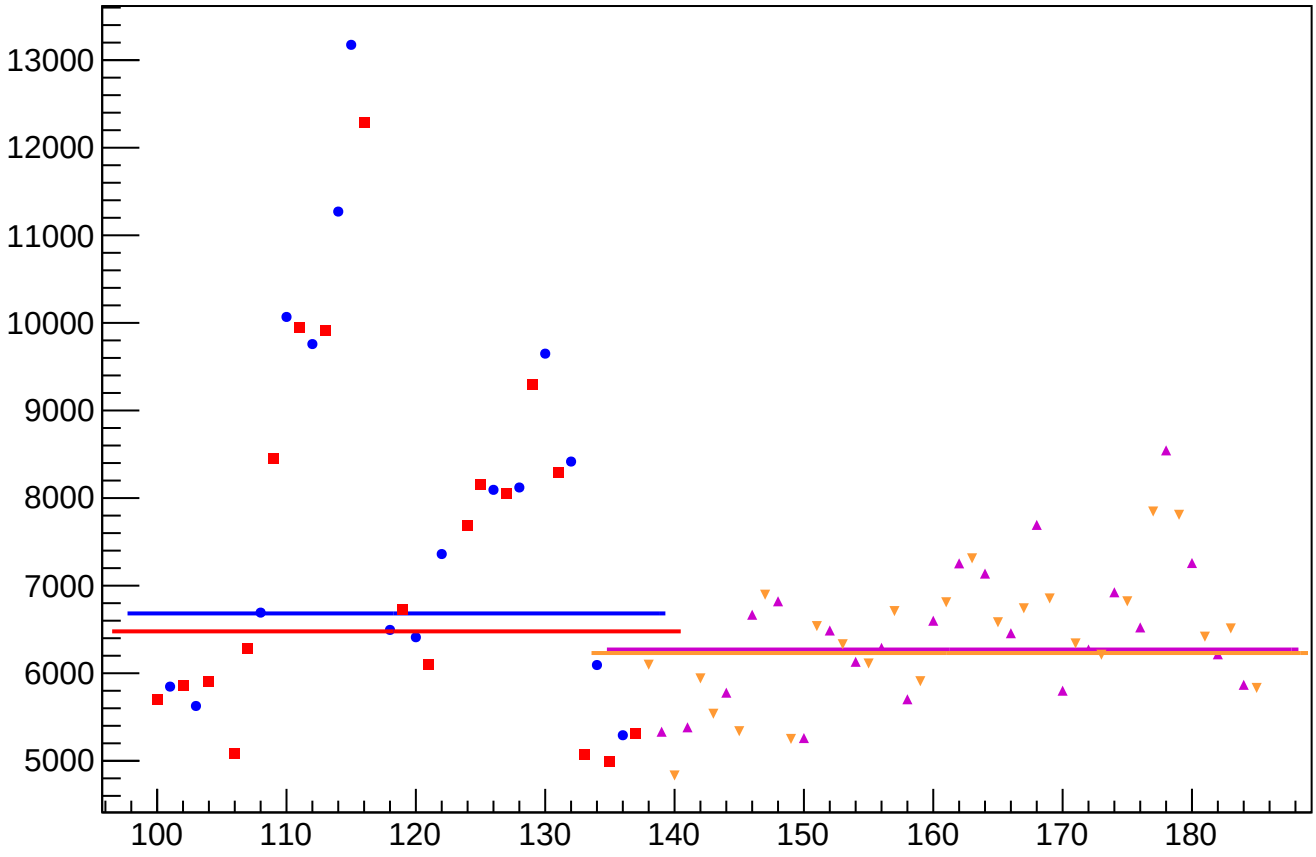
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.698+/-1.248 χ^2/NDF: 33.9/40

All: 1.842+/-0.888 χ^2/NDF: 82.3/82

- sign 1.991+/-1.265 χ^2/NDF: 48.5/41



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

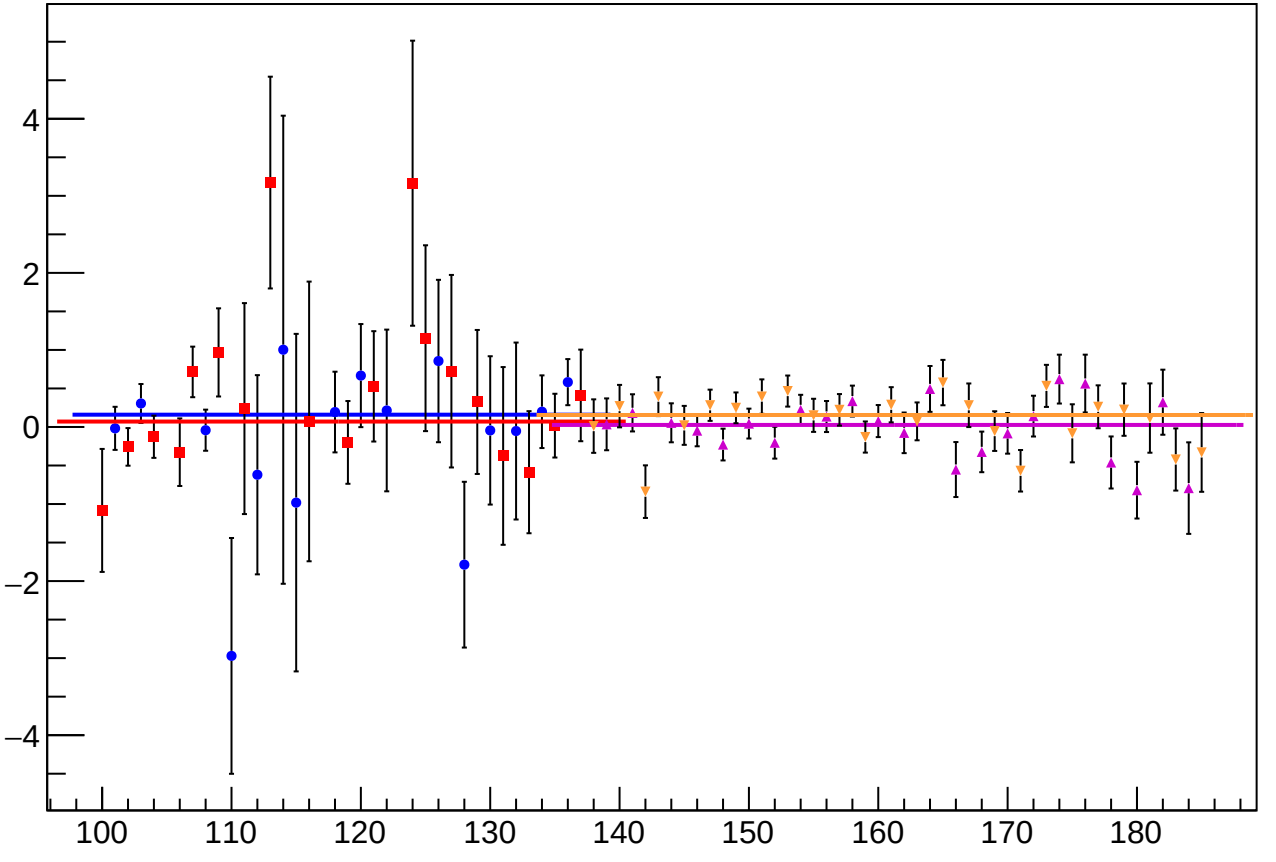
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6339.171+/-0.882 χ^2/NDF: 1272597.6/40

All: 6332.827+/-0.628 χ^2/NDF: 2627170.7/82

- 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: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

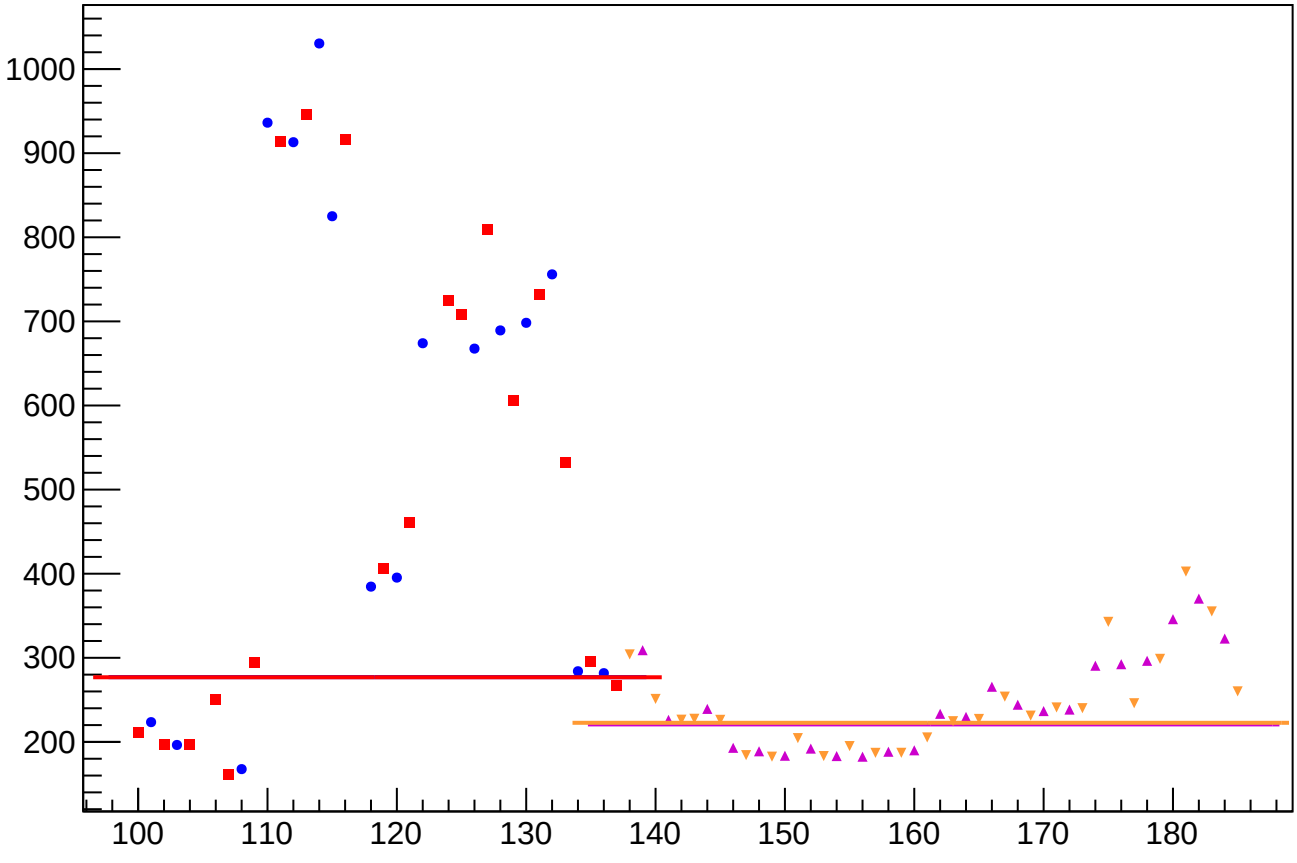
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.156+/-0.048 χ^2/NDF: 44.9/40

All: 0.096+/-0.034 χ^2/NDF: 100.5/82

- 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: 222.727+/-0.037 χ^2/NDF:1451363.0/24

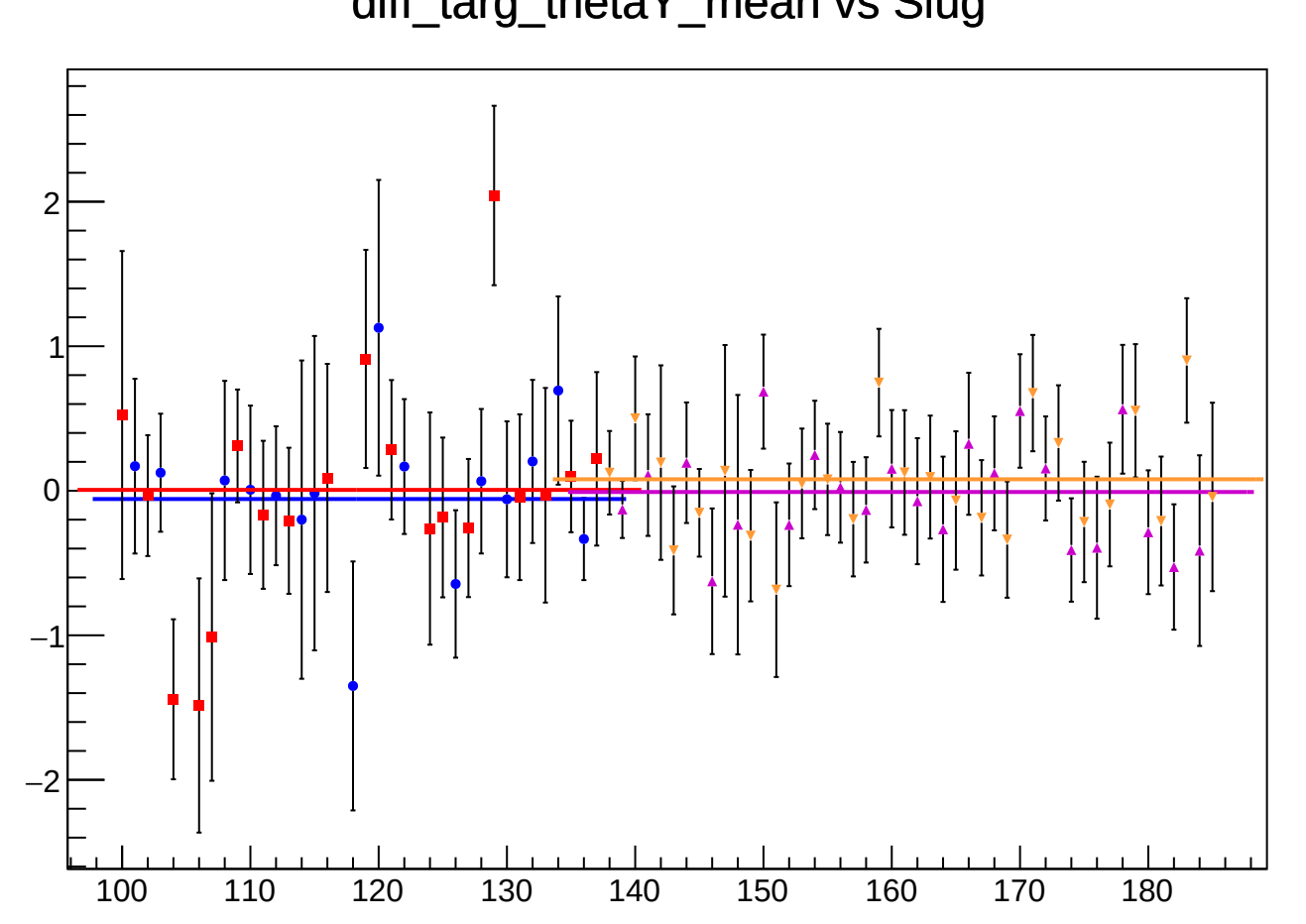
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

\+ sign 231.335+/-0.034 χ^2/NDF: 5248768.8/40

All: 230.671+/-0.024 χ^2/NDF: 10659583.6/82

\- 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: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

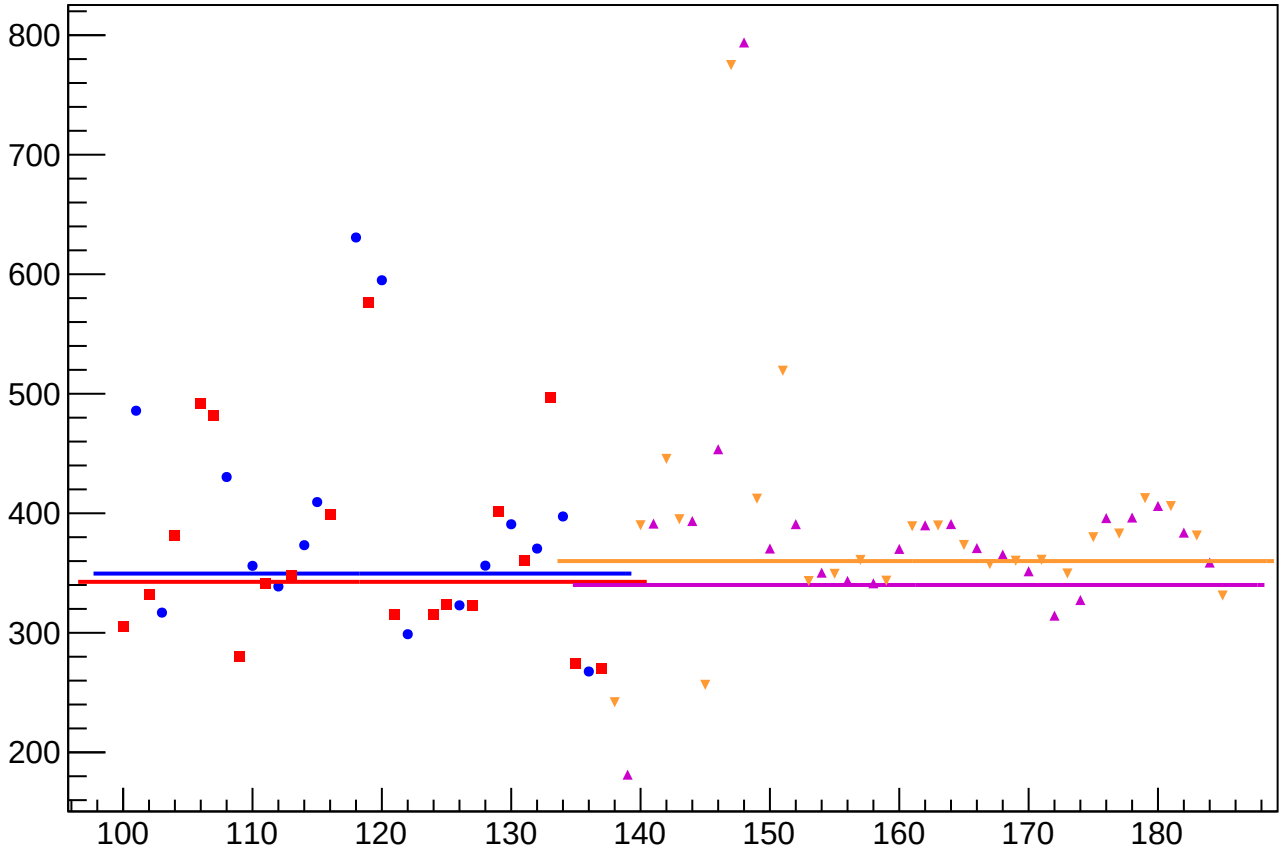
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.041+/-0.071 χ^2/NDF: 27.8/40

All: 0.018+/-0.050 χ^2/NDF: 68.4/82

- 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: 360.021+/-0.060 χ^2/NDF:1339748.9/24

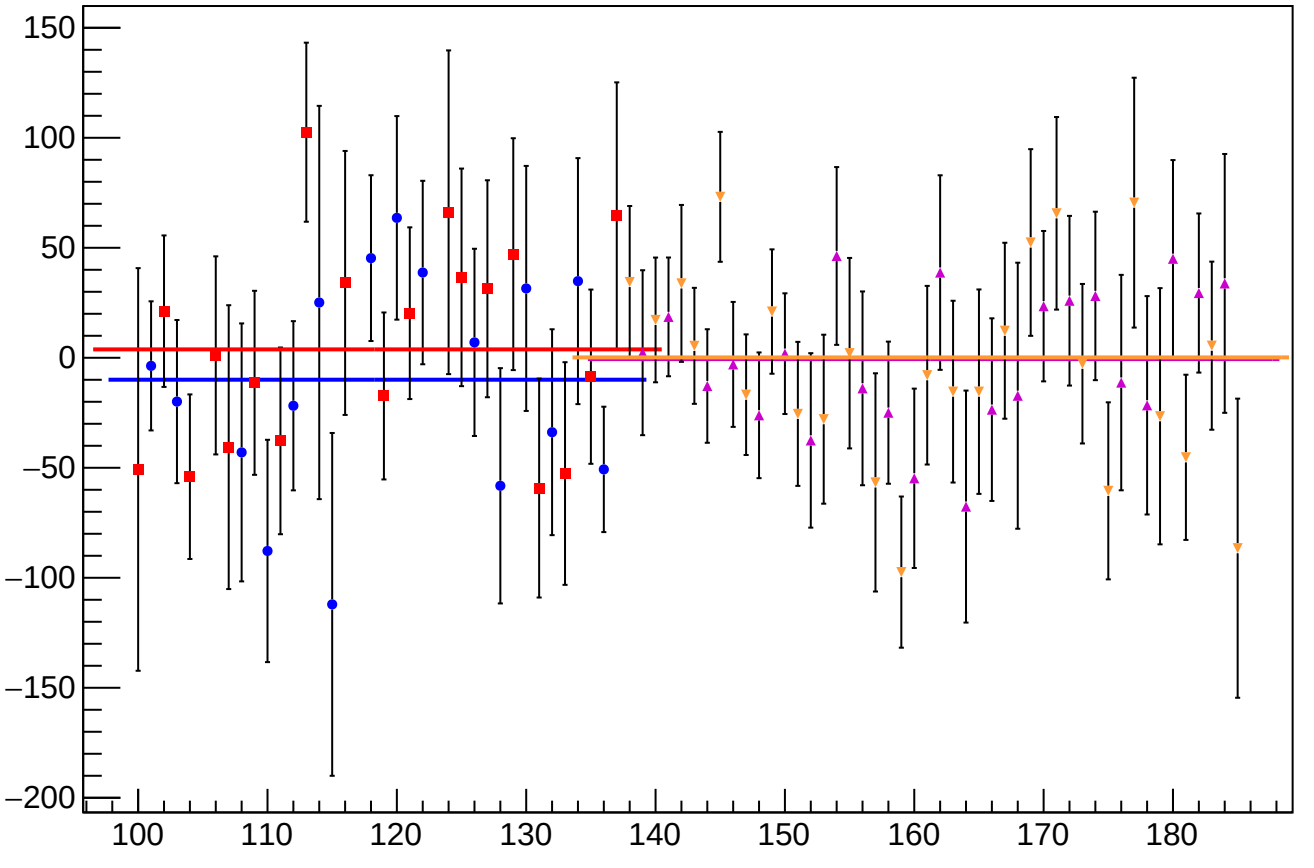
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

\+ sign 357.048+/-0.050 χ^2/NDF: 2047803.7/40

All: 348.727+/-0.035 χ^2/NDF: 4902442.0/82

\- sign 340.786+/-0.049 χ^2/NDF: 2801439.7/41



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

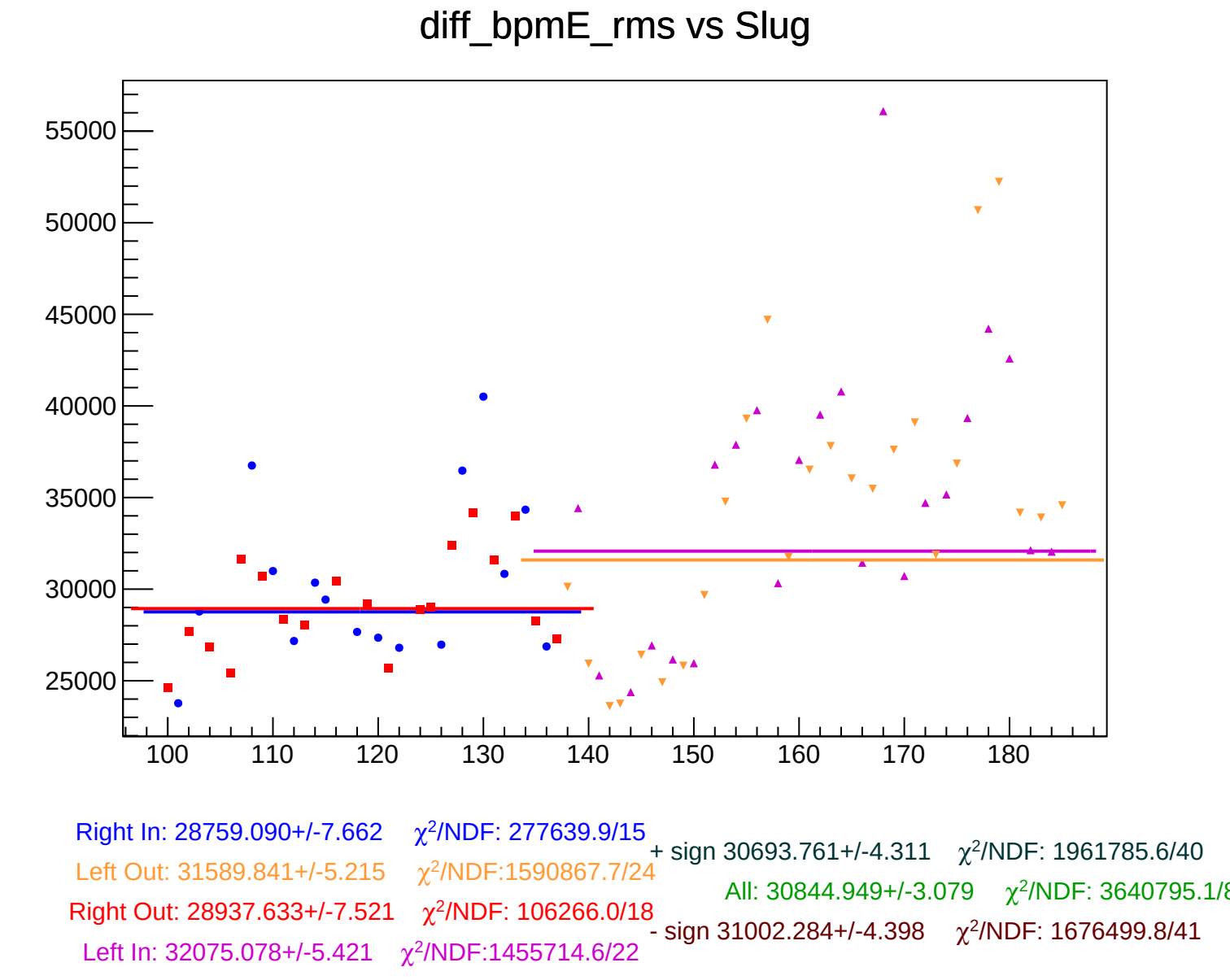
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

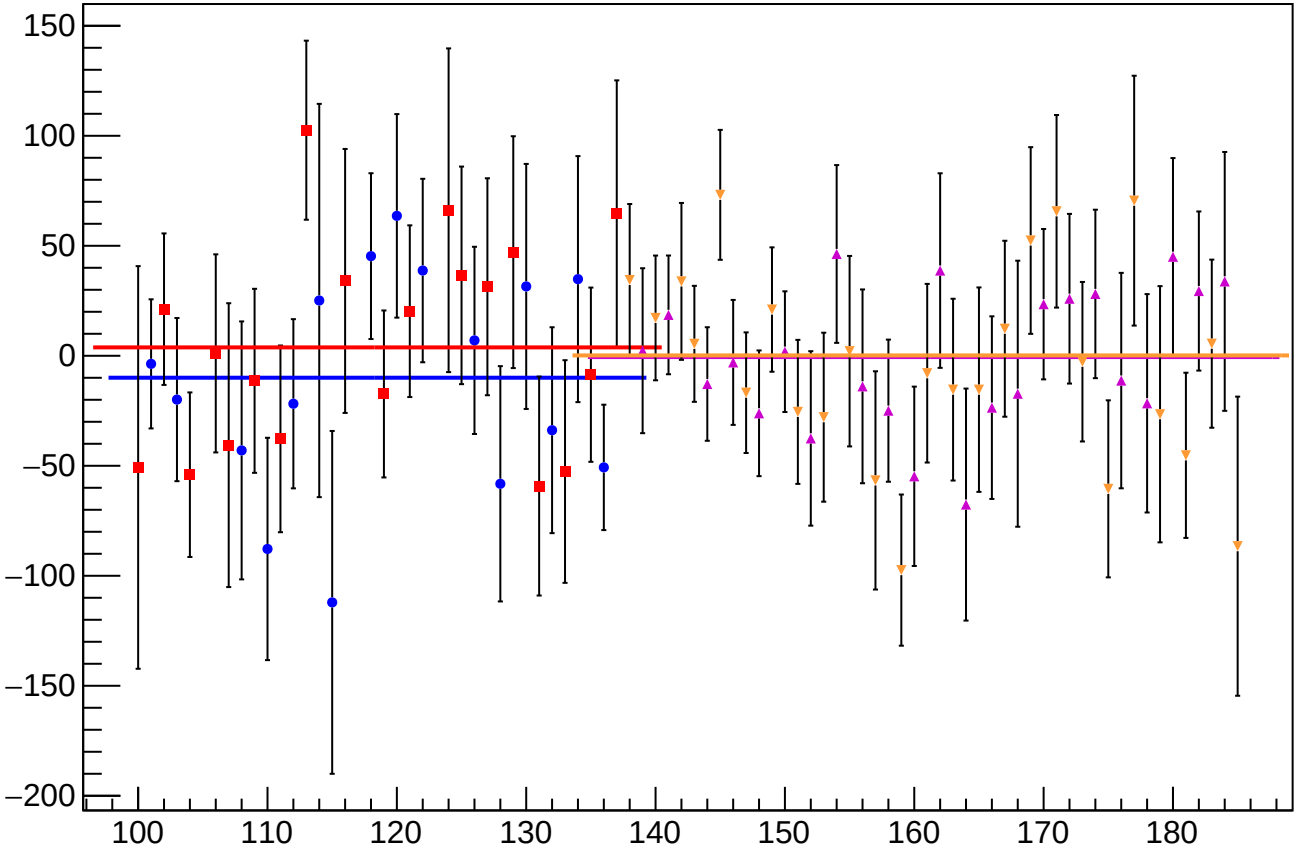
+ sign -3.041+/-6.097 χ^2/NDF: 47.0/40

All: -1.101+/-4.354 χ^2/NDF: 77.4/82

- 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: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30693.761+/-4.311 χ²/NDF: 1961785.6/40
All: 30844.949+/-3.079 χ²/NDF: 3640795.1/8
- 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: 0.168+/-7.375 χ^2/NDF:31.1/24

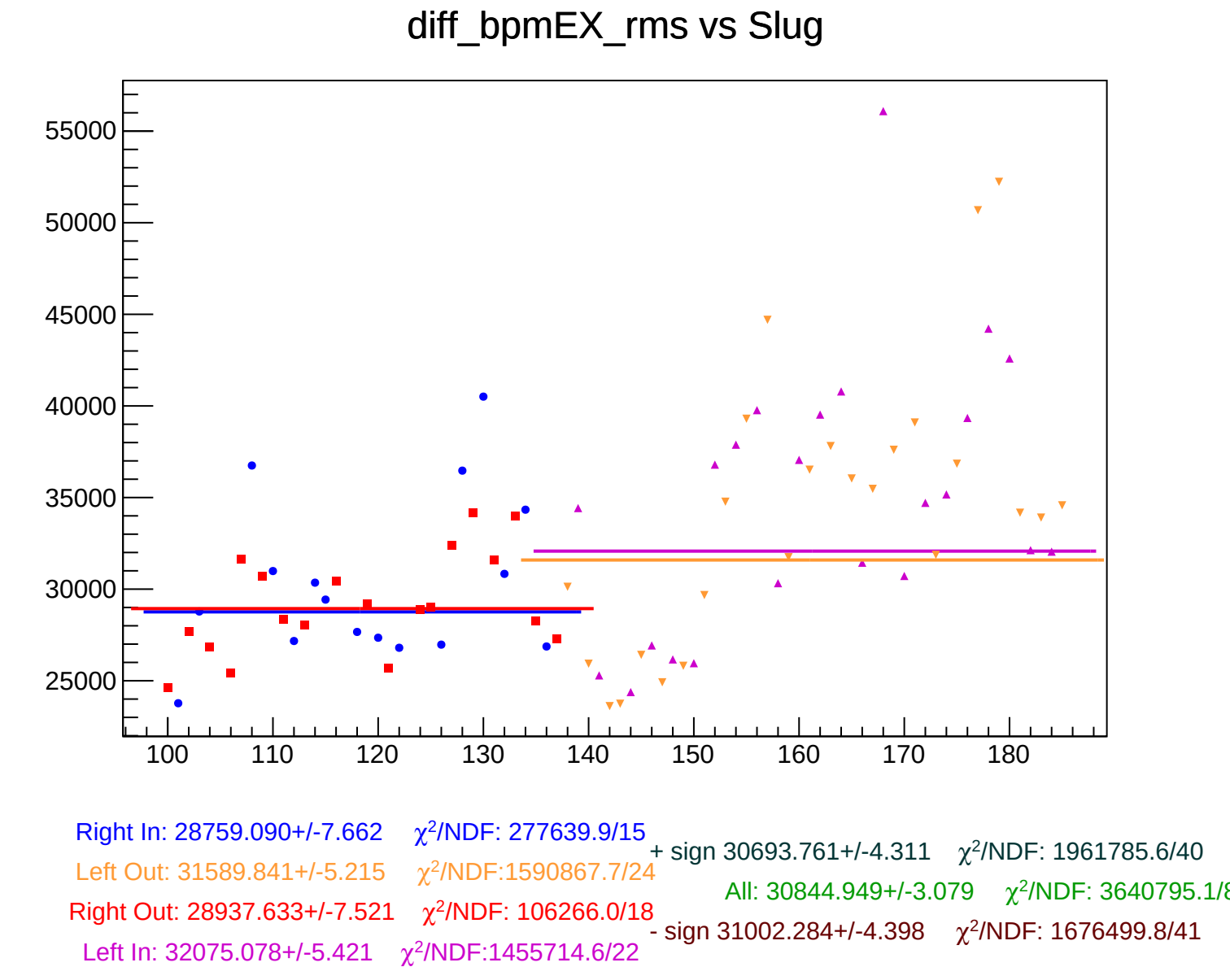
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

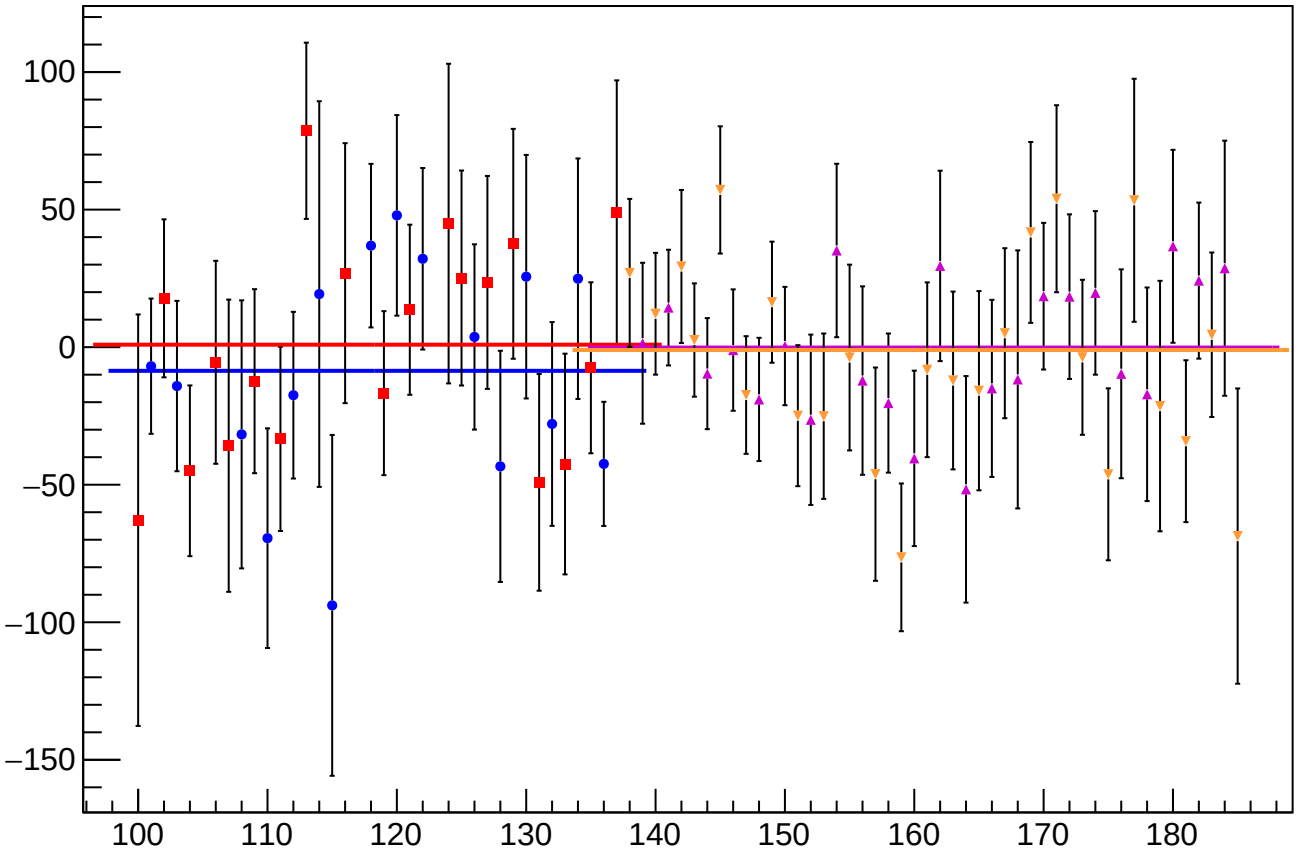
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

\+ sign -3.041+/-6.097 χ^2/NDF: 47.0/40

All: -1.101+/-4.354 χ^2/NDF: 77.4/82

\- 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: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30693.761+/-4.311 χ²/NDF: 1961785.6/40
All: 30844.949+/-3.079 χ²/NDF: 3640795.1/8
- sign 31002.284+/-4.398 χ²/NDF: 1676499.8/41



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

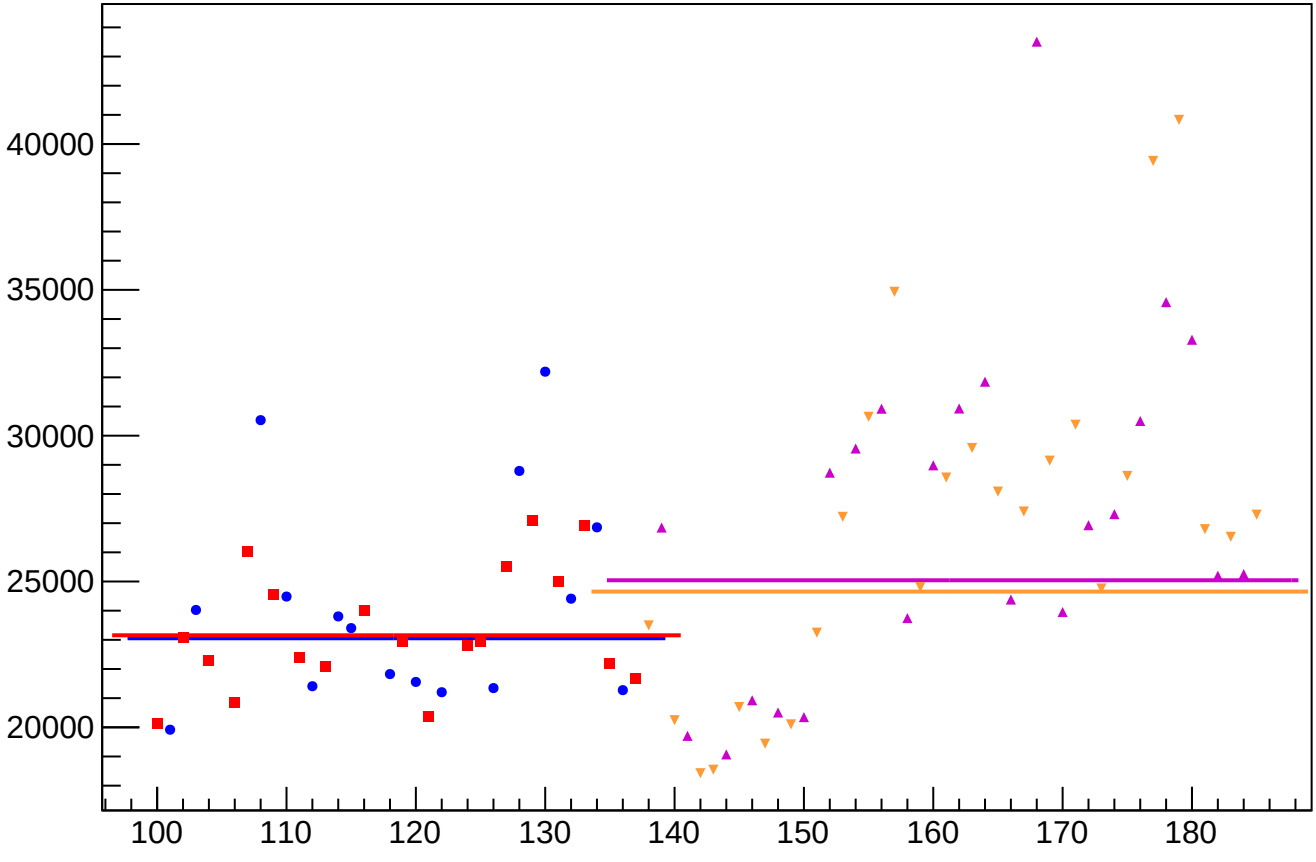
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -3.350+/-4.796 χ^2/NDF: 48.4/40

All: -1.610+/-3.426 χ^2/NDF: 78.4/82

- sign 0.201+/-4.895 χ^2/NDF: 29.7/41

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

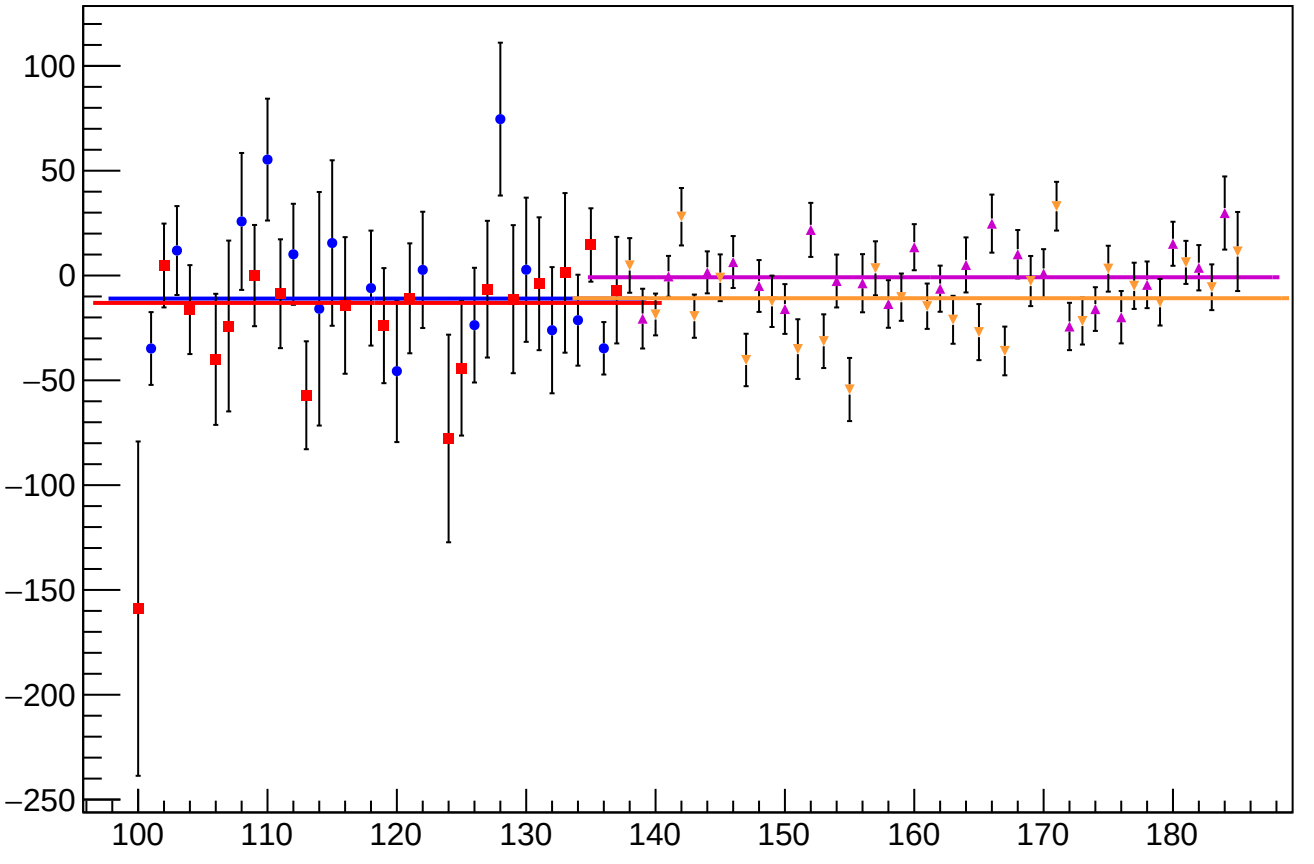
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 24165.330+/-3.391 χ^2/NDF: 1891379.9/40

All: 24288.725+/-2.422 χ^2/NDF: 3495439.3/8

- 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: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

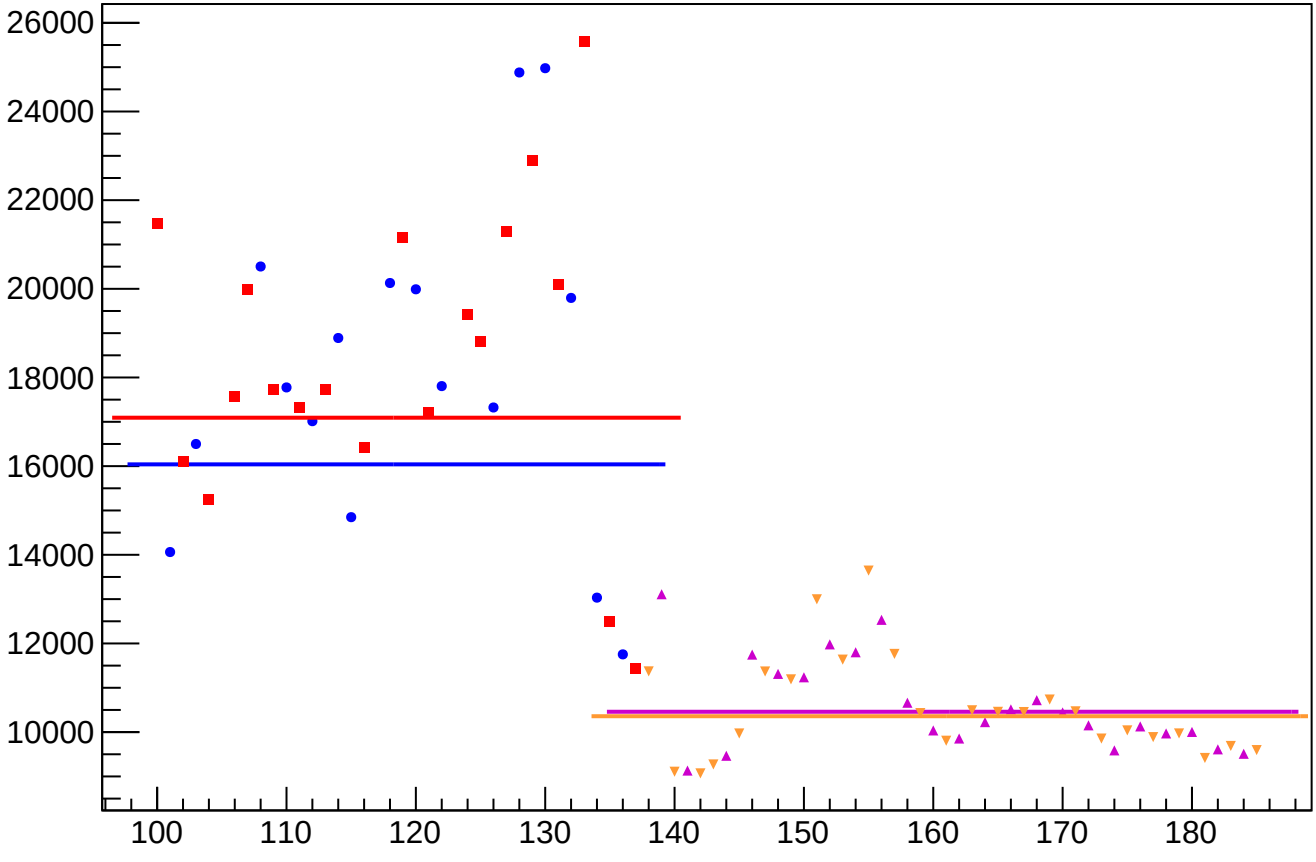
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.845+/-2.212 χ^2/NDF: 83.3/40

All: -6.778+/-1.592 χ^2/NDF: 136.8/82

- 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: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

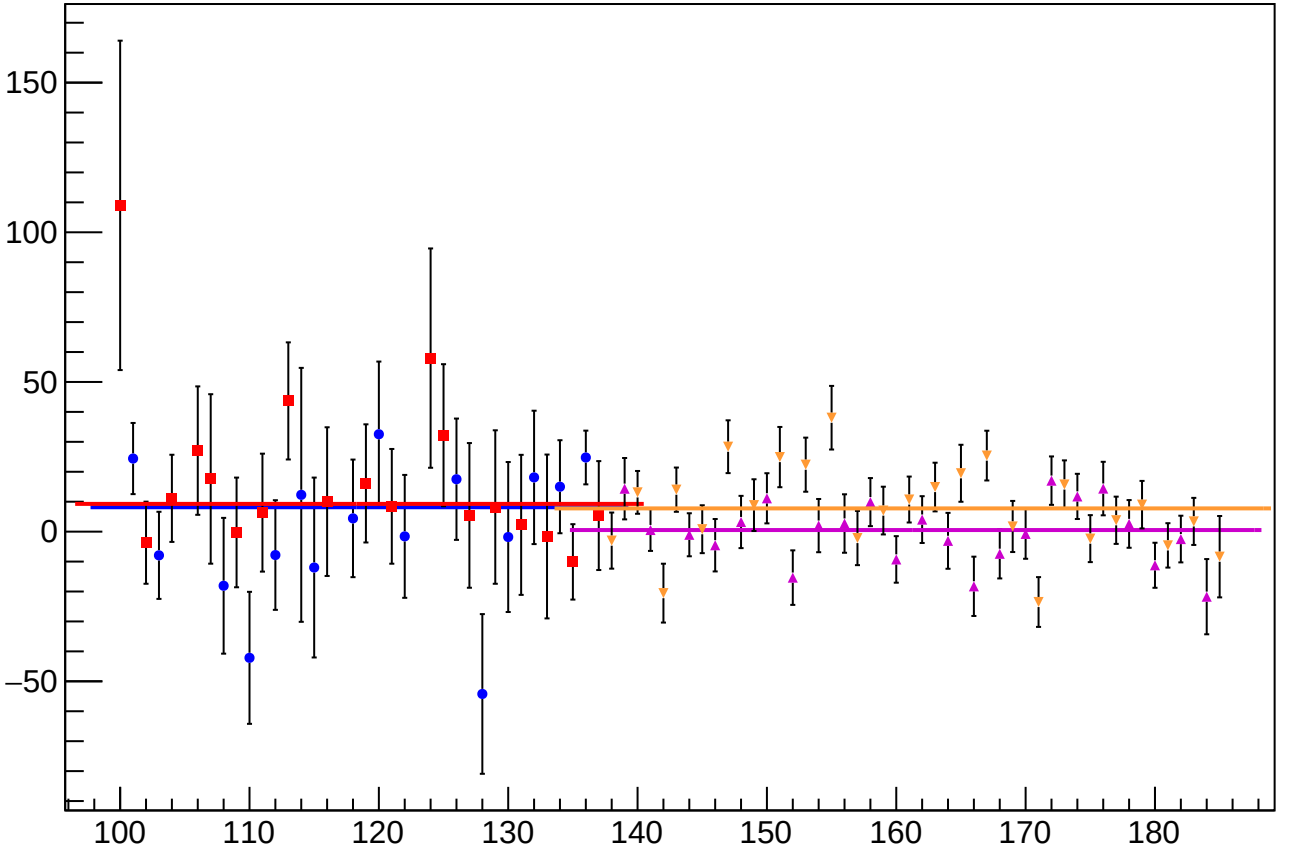
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11092.198+/-1.564 χ^2/NDF: 2569922.2/40

All: 11199.785+/-1.126 χ^2/NDF: 5311758.2/8

- 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: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

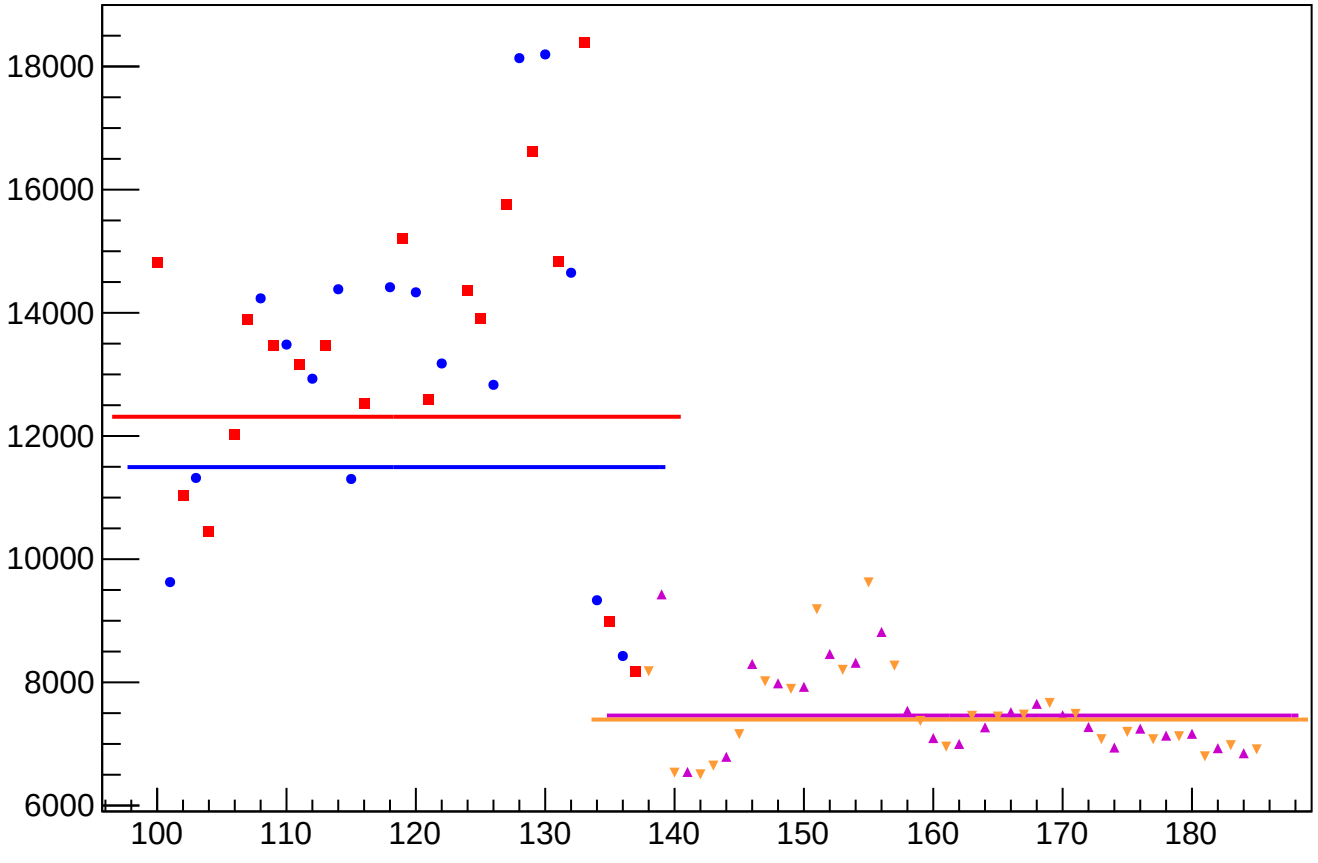
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.813+/-1.580 χ^2/NDF: 82.7/40

All: 4.835+/-1.137 χ^2/NDF: 136.6/82

- sign 1.636+/-1.638 χ^2/NDF: 46.5/41

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

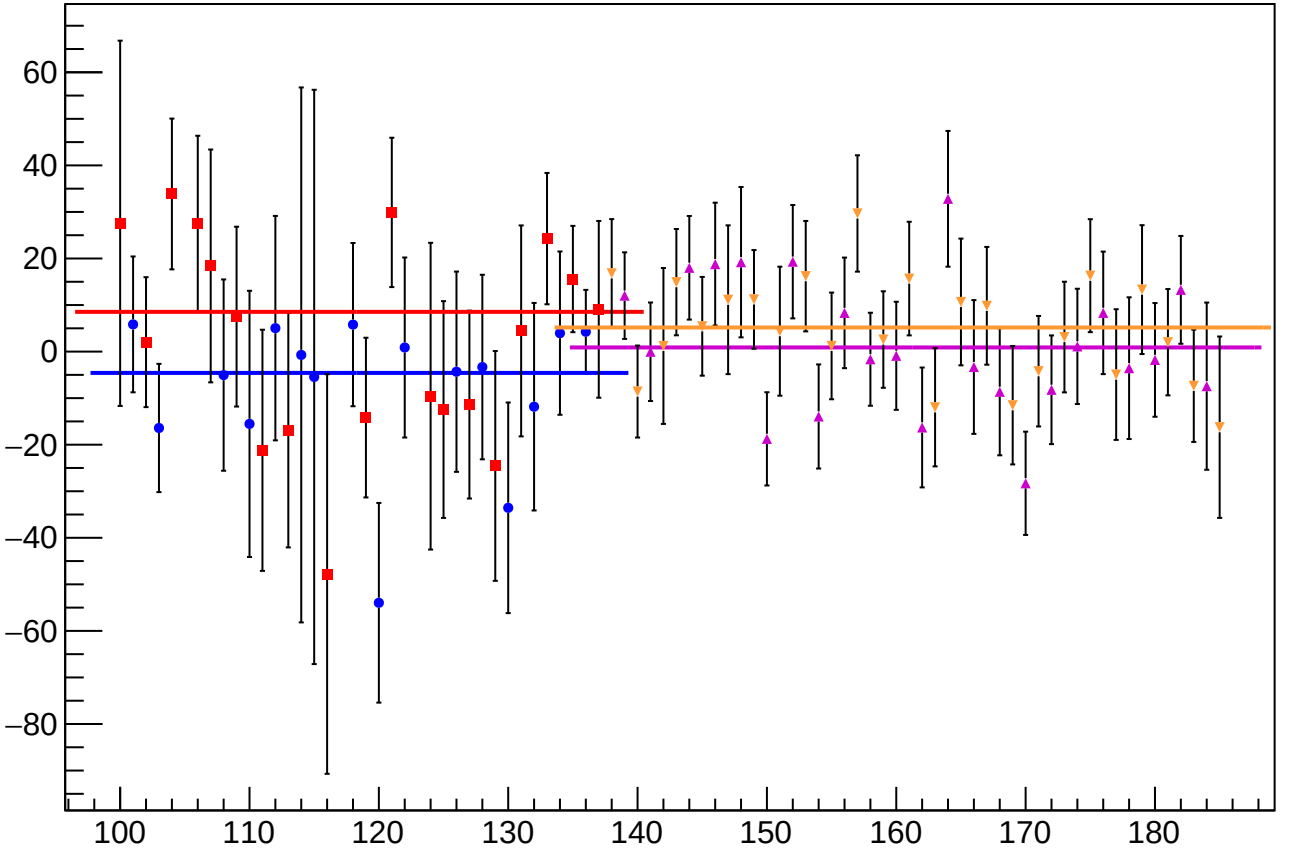
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 7918.729+/-1.117 χ^2/NDF: 2613327.6/40

All: 7993.468+/-0.804 χ^2/NDF: 5443147.8/82

- sign 8073.764+/-1.158 χ^2/NDF: 2820535.6/41

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

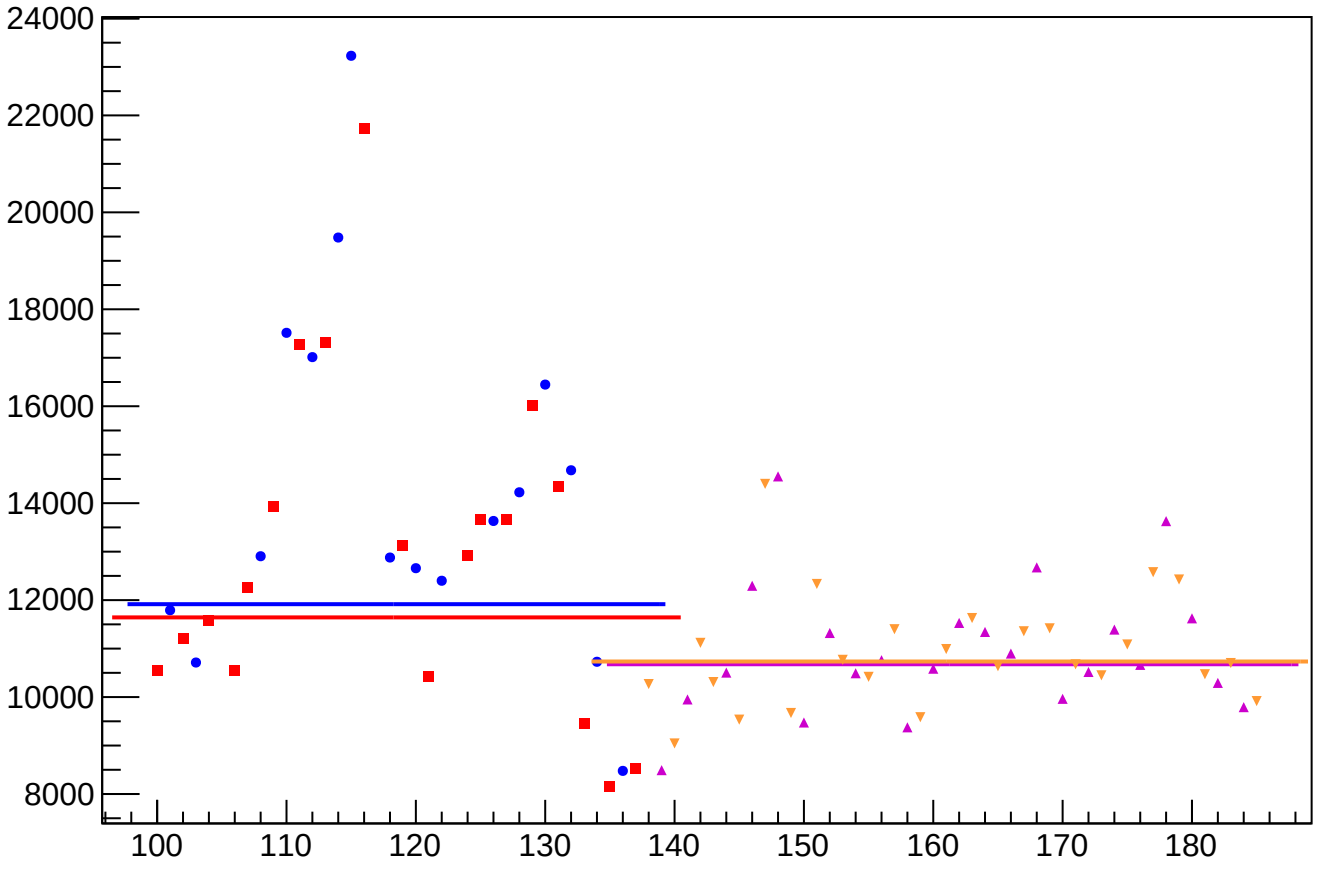
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 2.975+/-2.164 χ^2/NDF: 32.2/40

All: 2.880+/-1.537 χ^2/NDF: 83.4/82

- sign 2.783+/-2.185 χ^2/NDF: 51.3/41



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

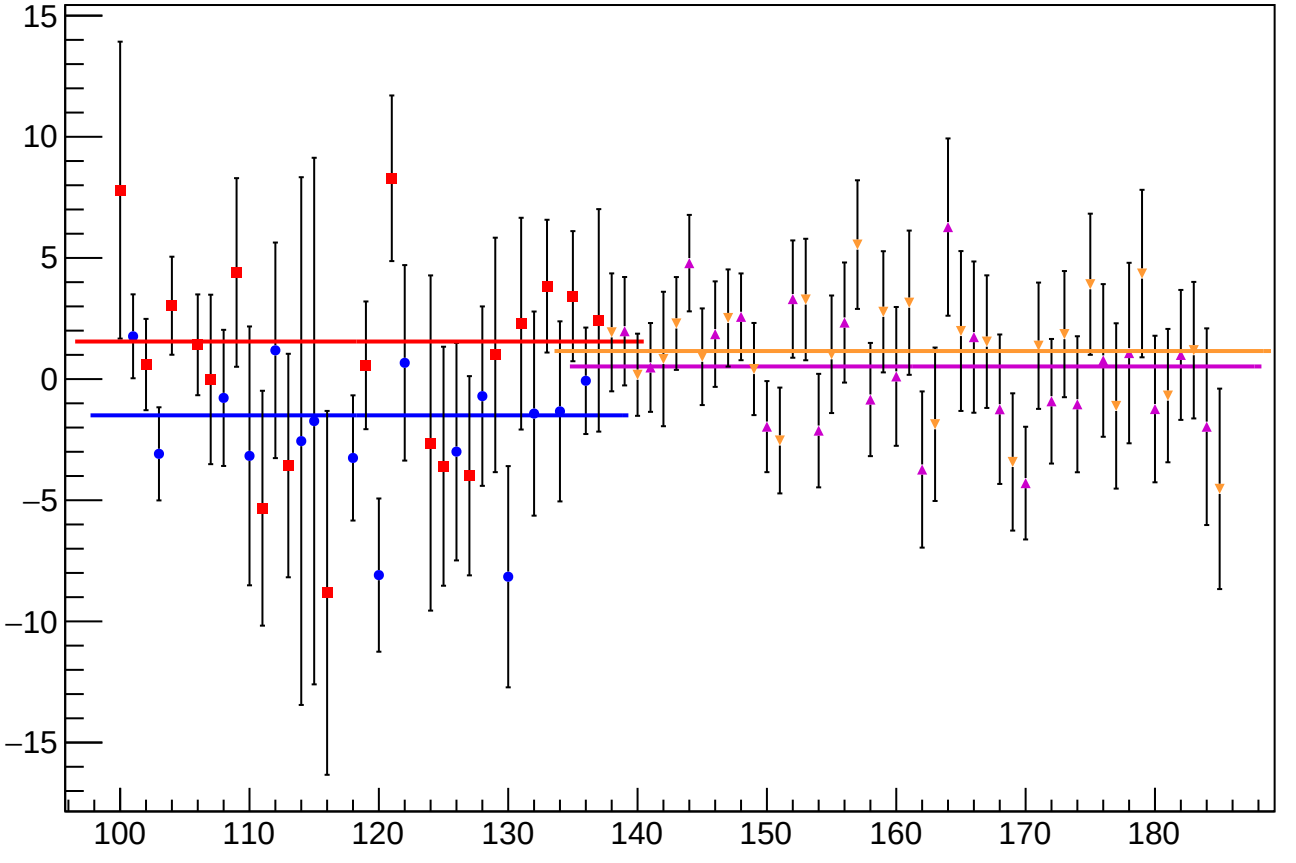
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

\+ sign 11000.671+/-1.530 χ^2/NDF: 1222484.8/40

All: 10958.891+/-1.087 χ^2/NDF: 2587798.6/8

\- 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: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

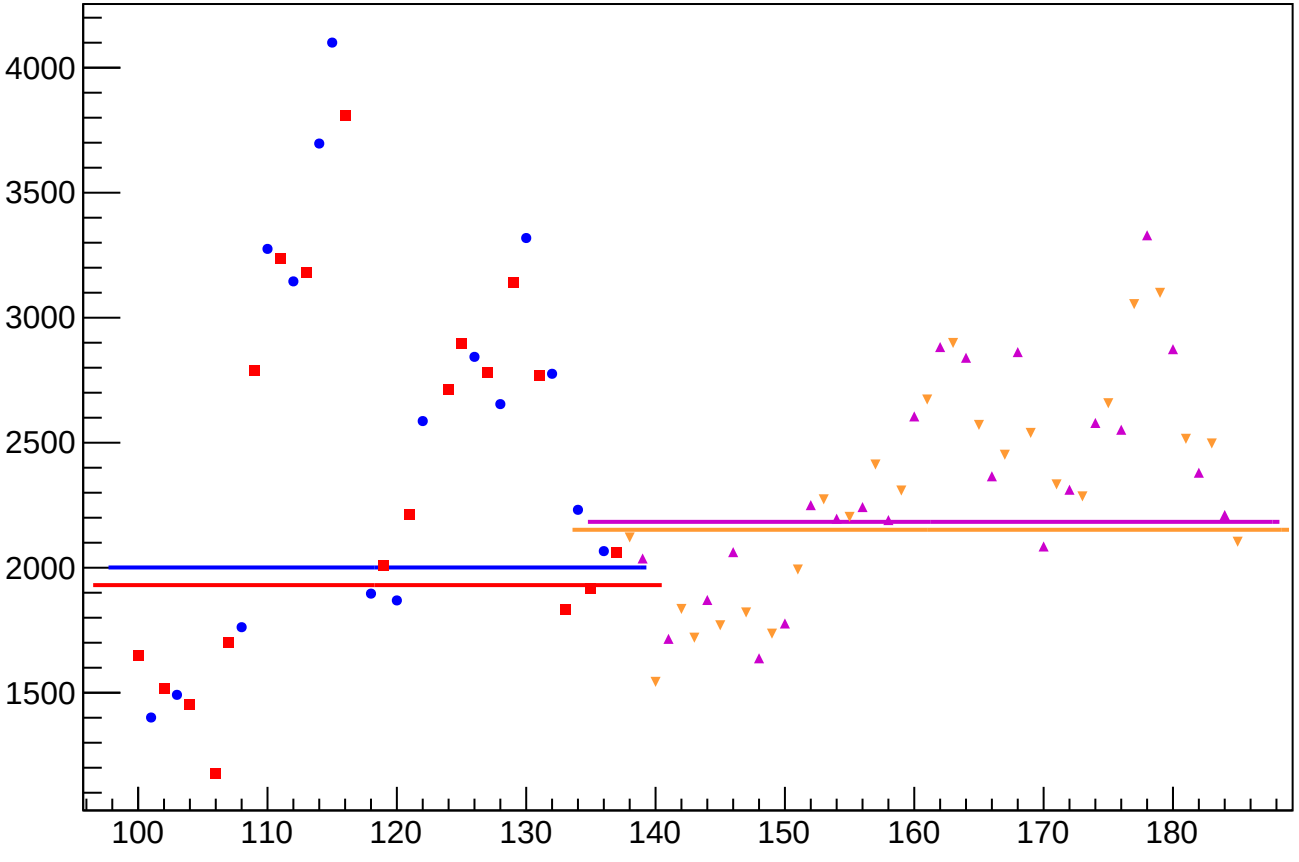
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

\+ sign 0.382+/-0.421 χ^2/NDF: 37.6/40

All: 0.617+/-0.299 χ^2/NDF: 78.1/82

\- 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: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

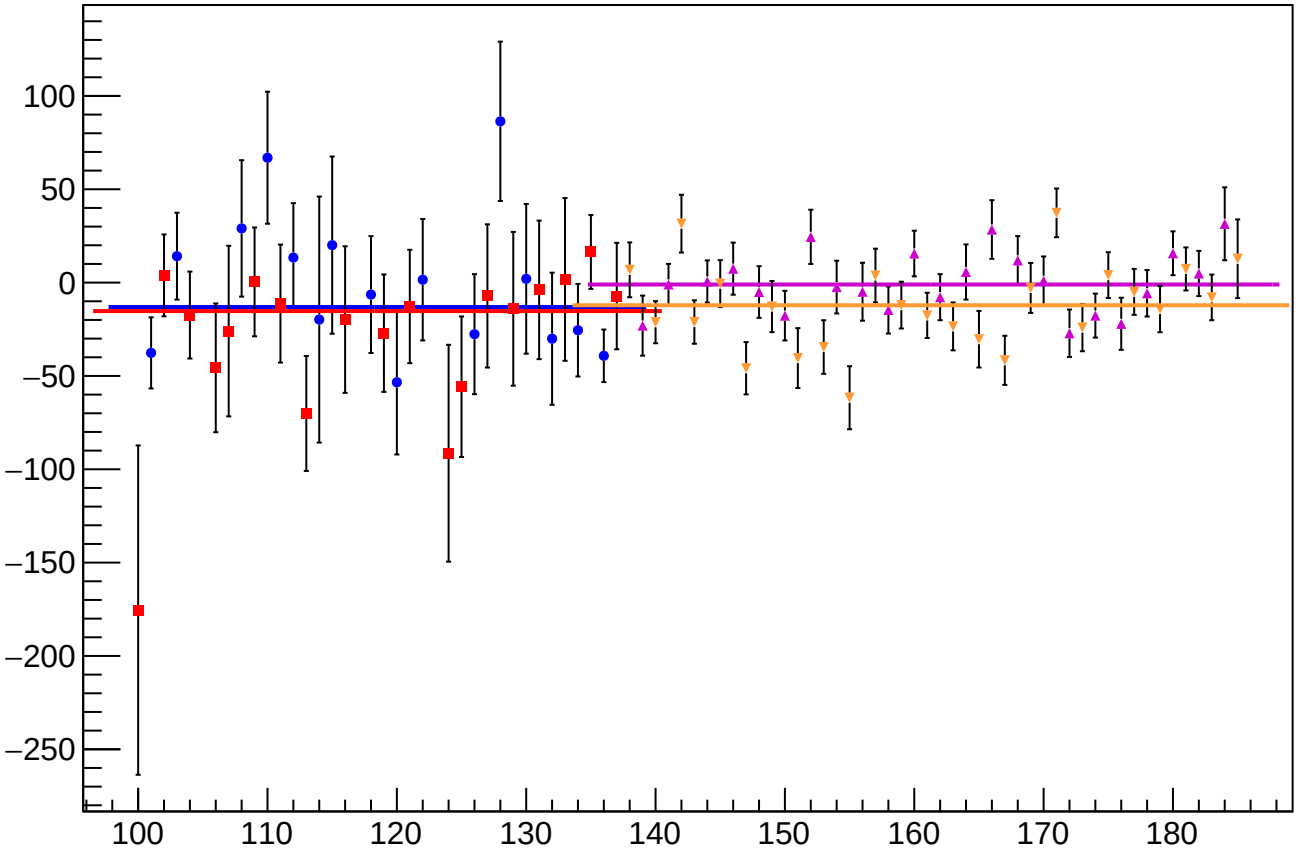
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2107.694+/-0.298 χ^2/NDF: 2592436.4/40

All: 2104.165+/-0.212 χ^2/NDF: 5313852.7/82

- 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: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

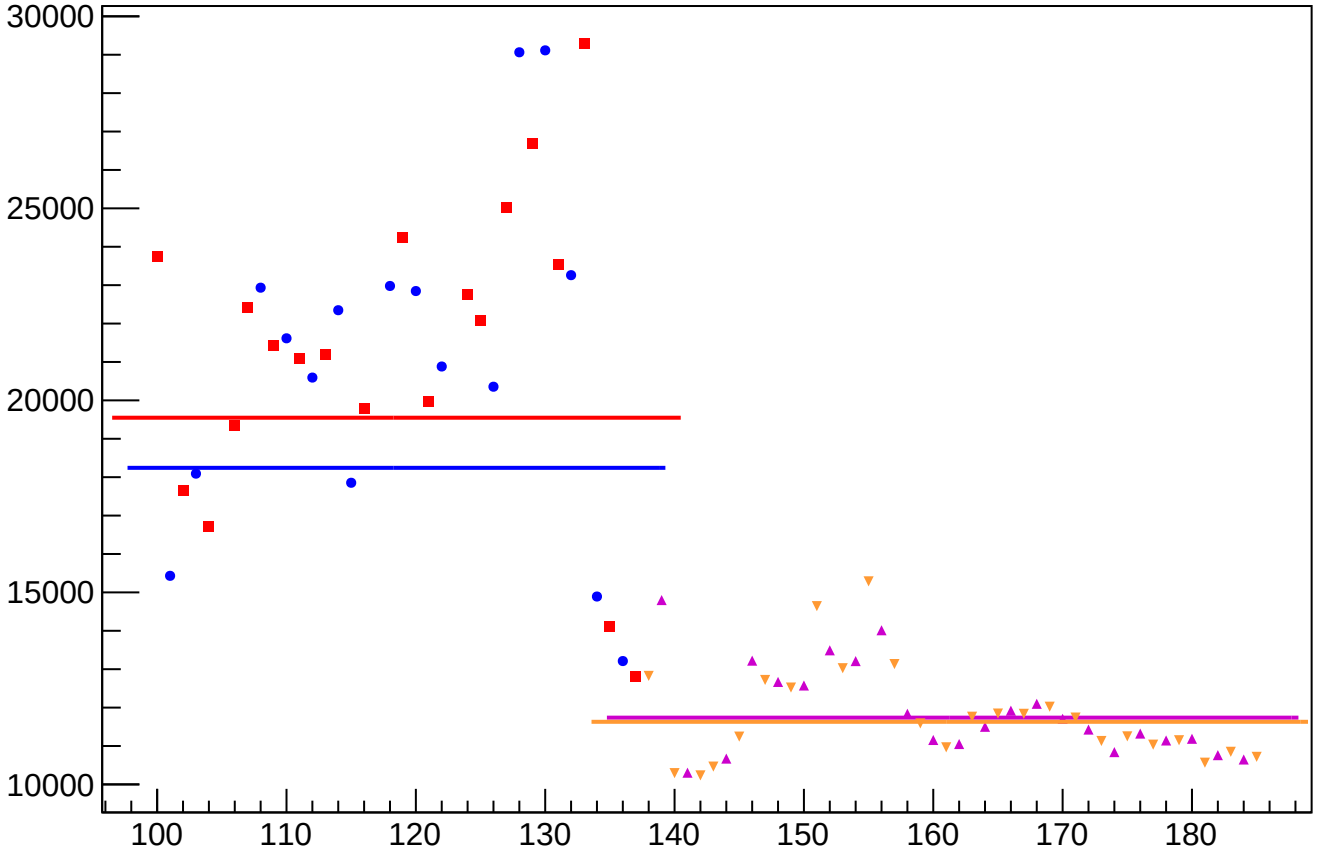
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.251+/-2.489 χ^2/NDF: 84.5/40

All: -7.693+/-1.791 χ^2/NDF: 137.9/82

- 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: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

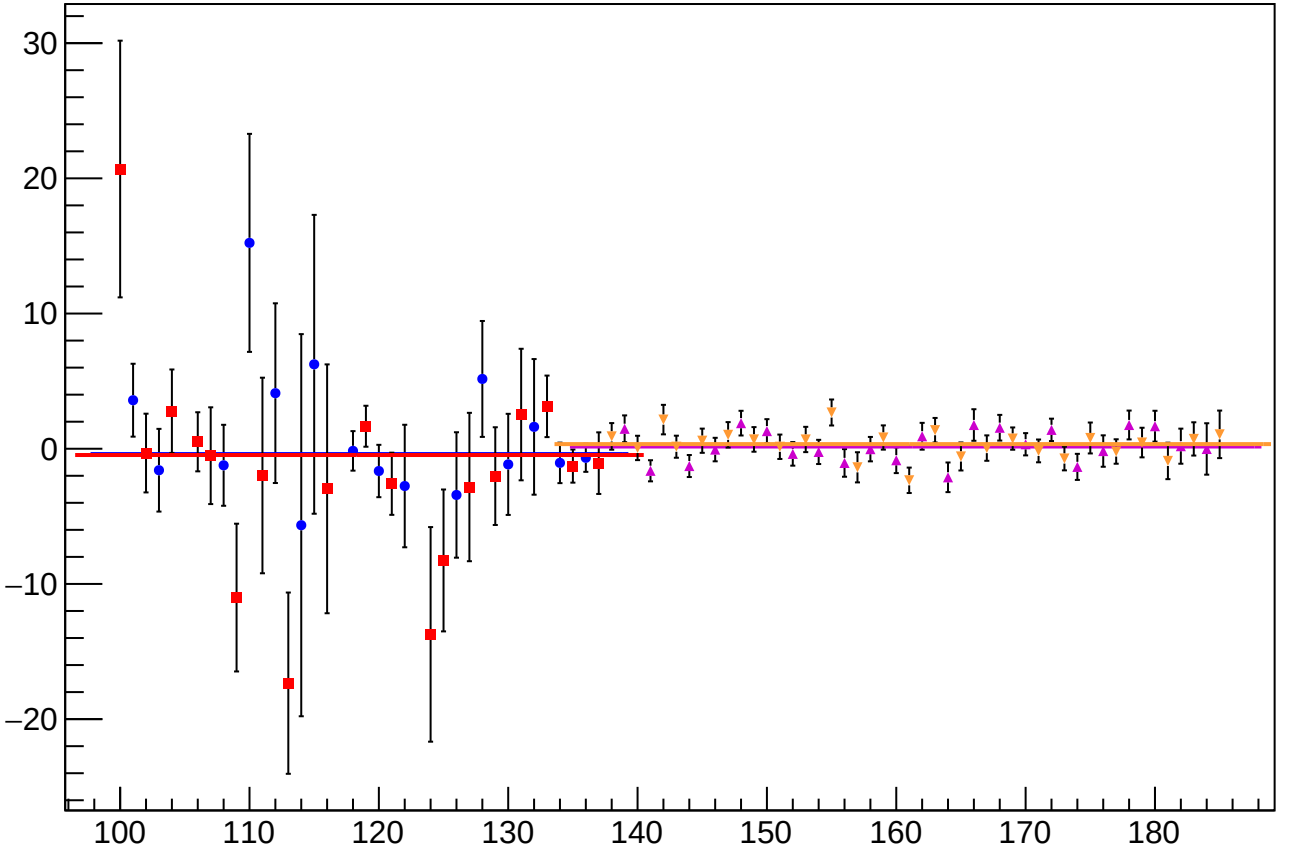
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12459.768+/-1.760 χ^2/NDF: 2725275.1/40

All: 12579.783+/-1.267 χ^2/NDF: 5663667.1/8

- 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: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

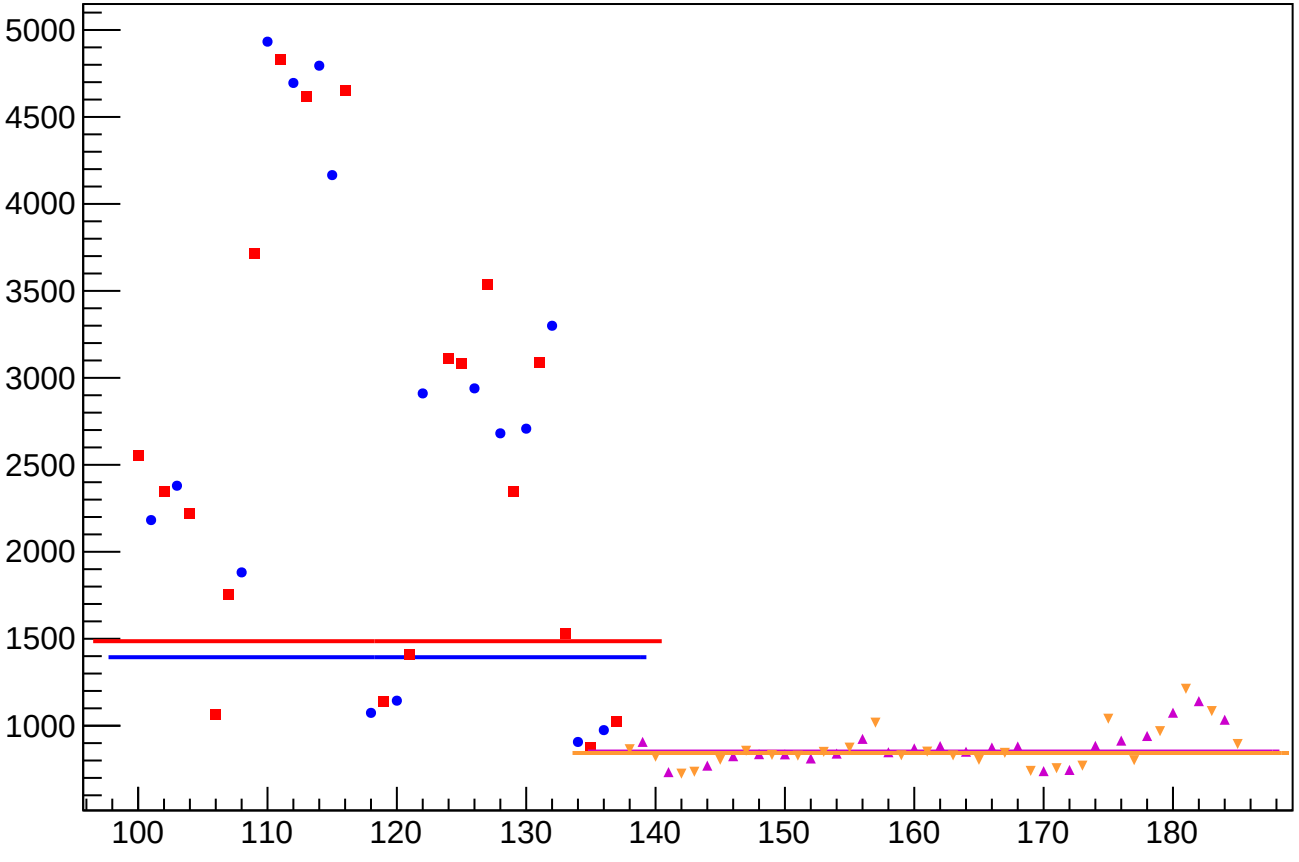
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.273+/-0.184 χ^2/NDF: 38.5/40

All: 0.194+/-0.133 χ^2/NDF: 104.2/82

- 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: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

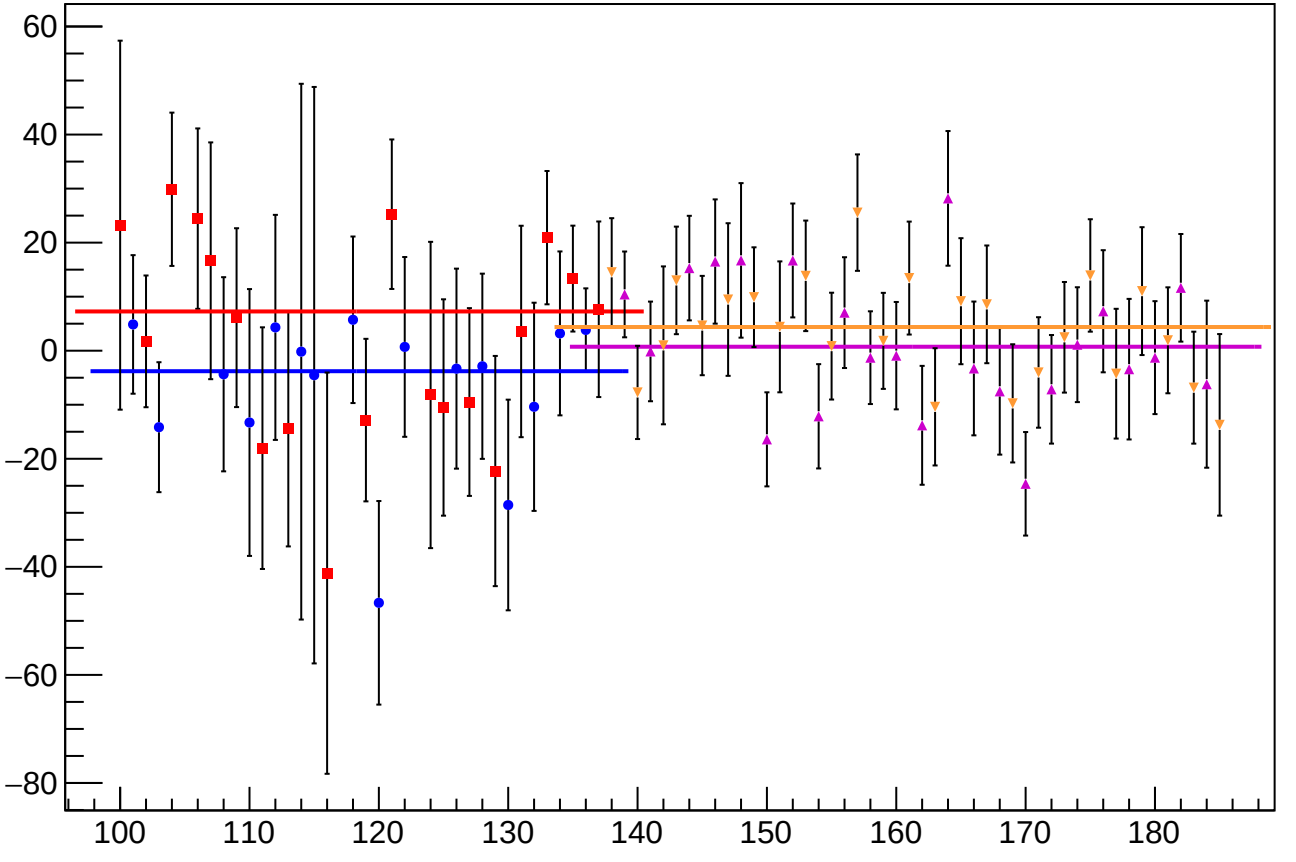
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 895.246+/-0.130 χ^2/NDF: 5410930.4/40

All: 902.106+/-0.094 χ^2/NDF: 11018297.5/82

- 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: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

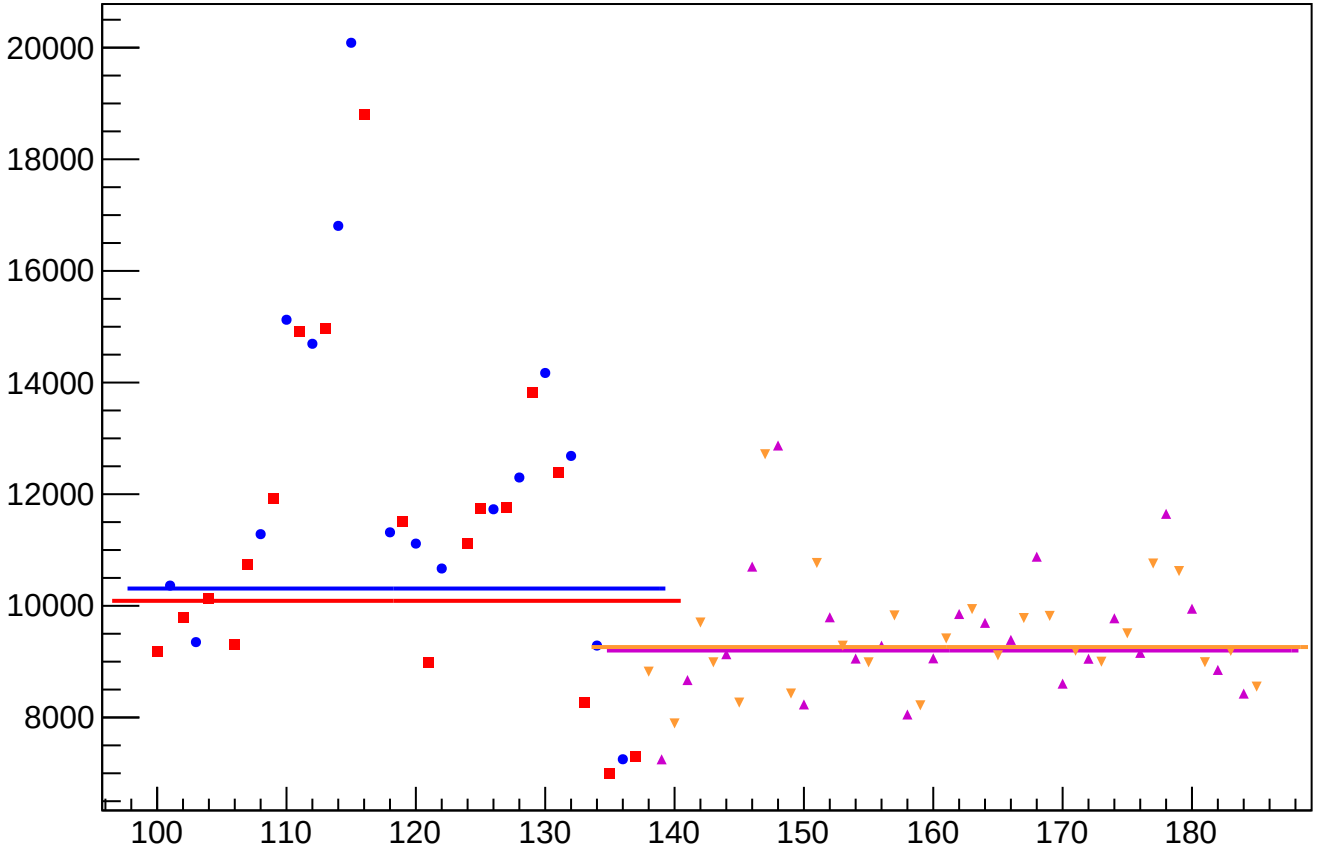
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.547+/-1.868 χ^2/NDF: 32.0/40

All: 2.442+/-1.327 χ^2/NDF: 83.5/82

- sign 2.336+/-1.886 χ^2/NDF: 51.5/41

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

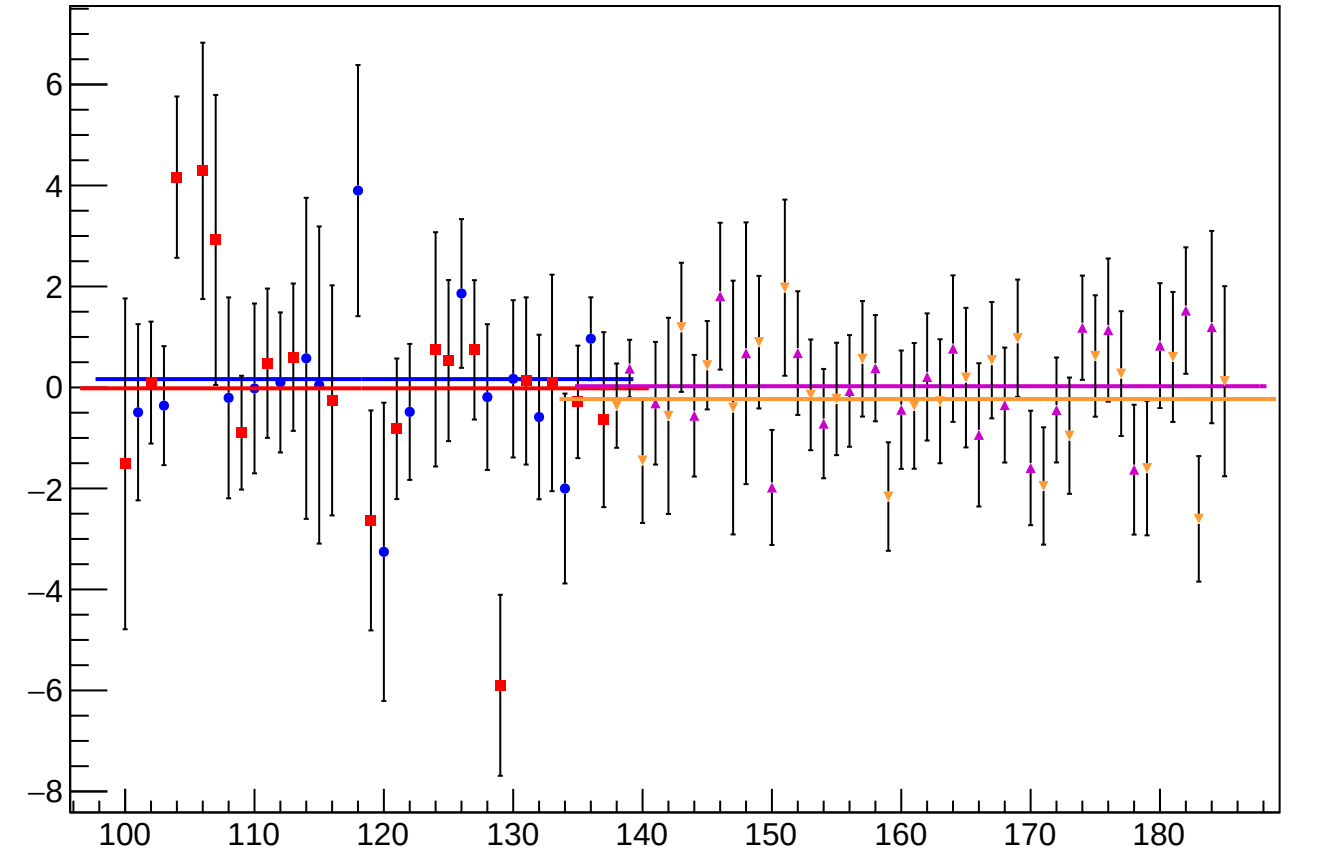
Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9496.928+/-1.321 χ^2/NDF: 1246240.1/40

All: 9457.778+/-0.938 χ^2/NDF: 2638797.0/82

- sign 9417.901+/-1.333 χ^2/NDF: 1390784.3/41



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

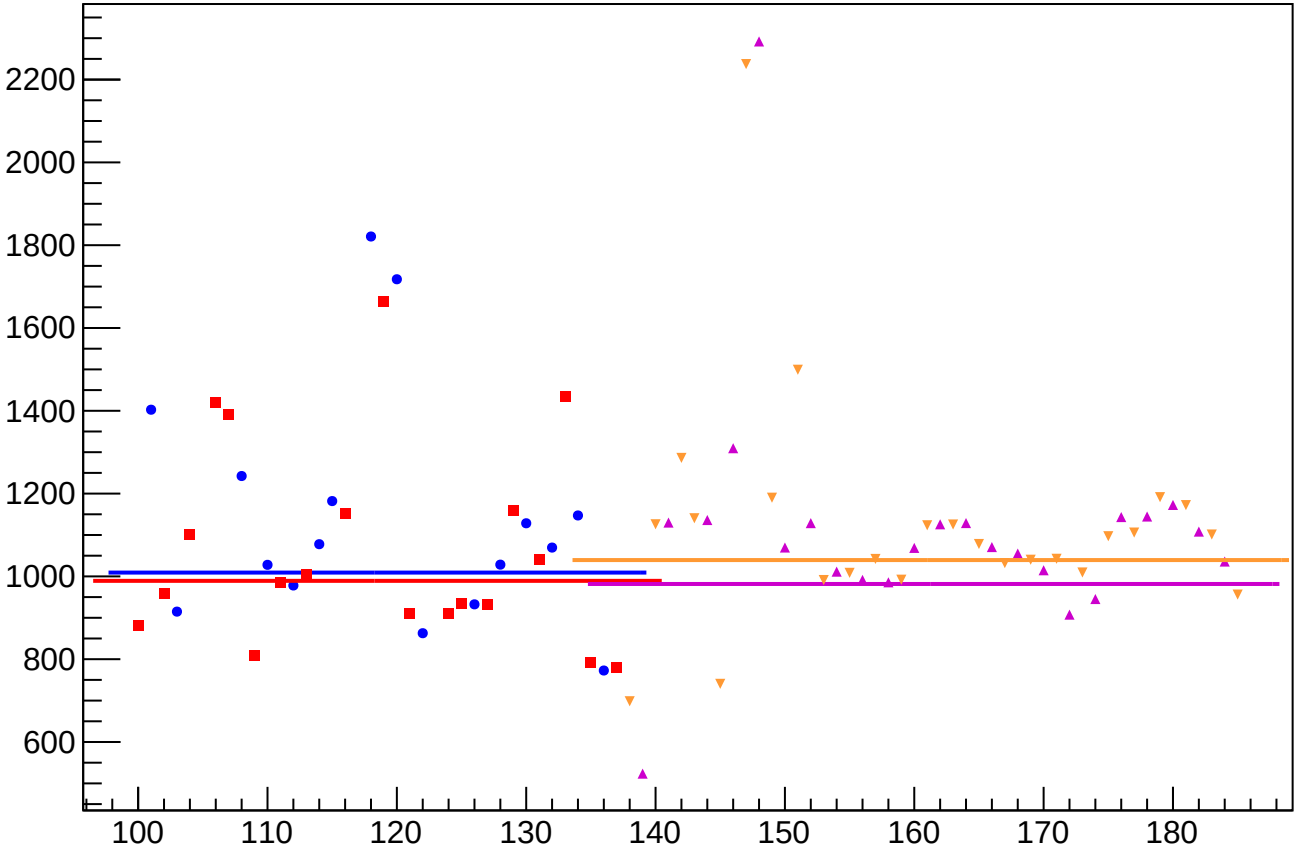
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.117+/-0.206 χ^2/NDF: 27.8/40

All: -0.051+/-0.144 χ^2/NDF: 68.4/82

- 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: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

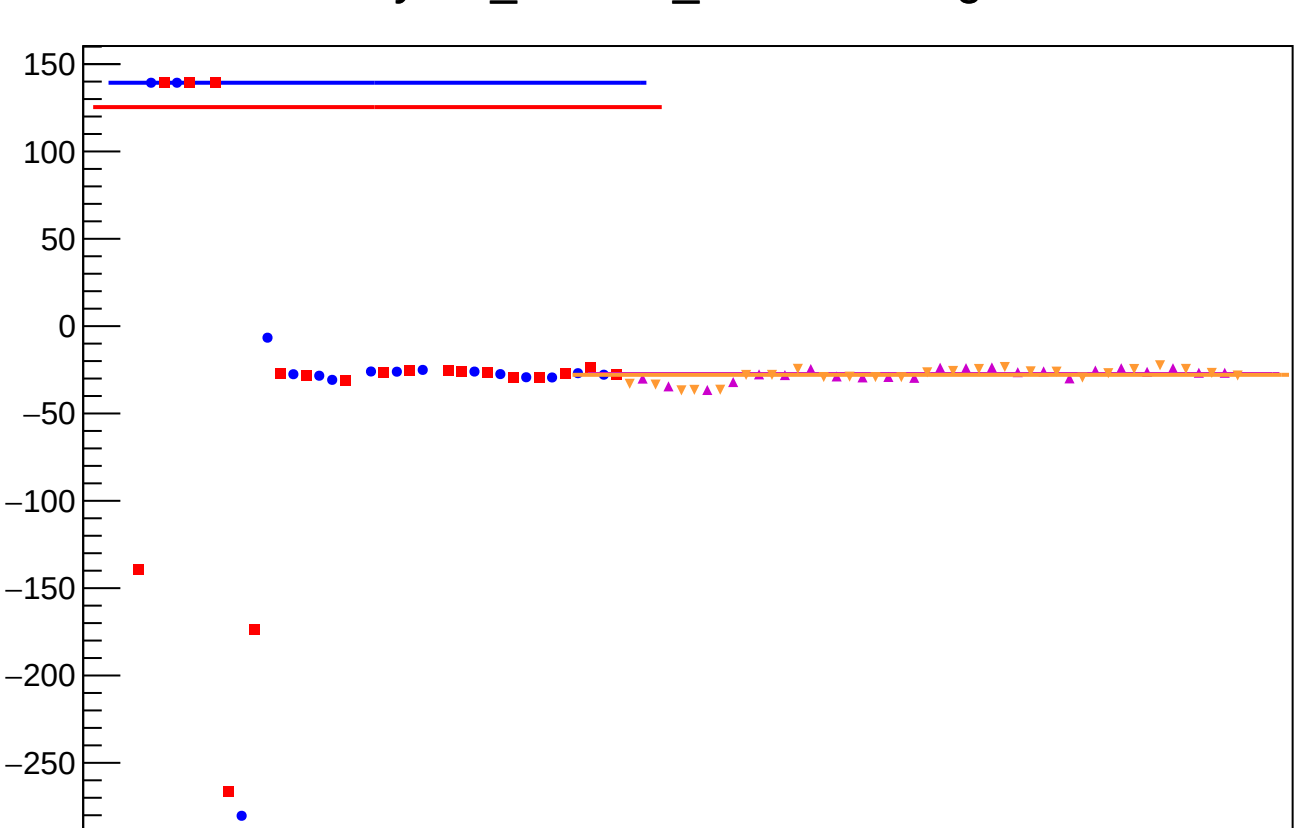
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 1030.841+/-0.146 χ^2/NDF: 2047803.7/40

All: 1006.815+/-0.102 χ^2/NDF: 4902442.0/82

- 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: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

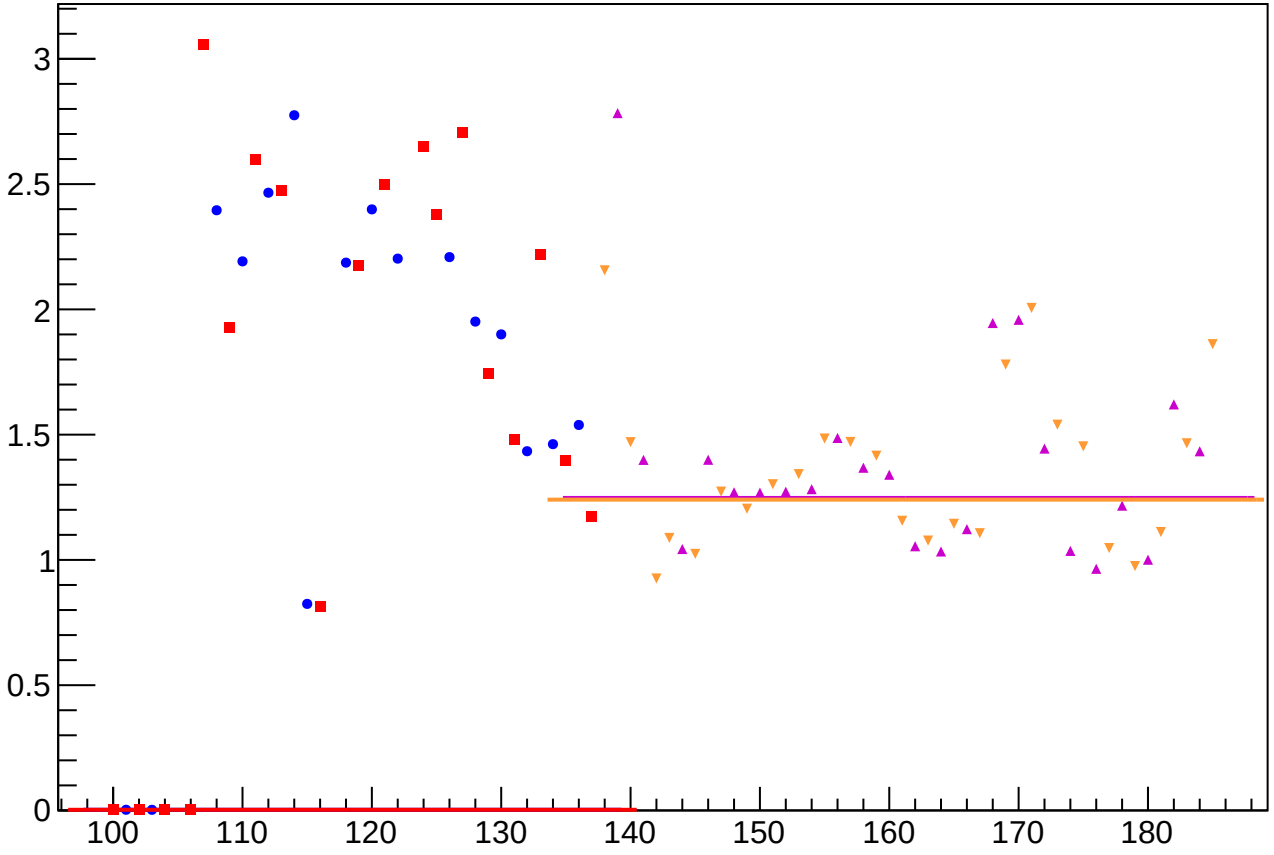
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.328+/-0.000 χ^2/NDF: 321631886076.8/4

All: 131.810+/-0.000 χ^2/NDF: 79348741414

- 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: 1.241+/-0.000 χ^2/NDF:1221248.2/24

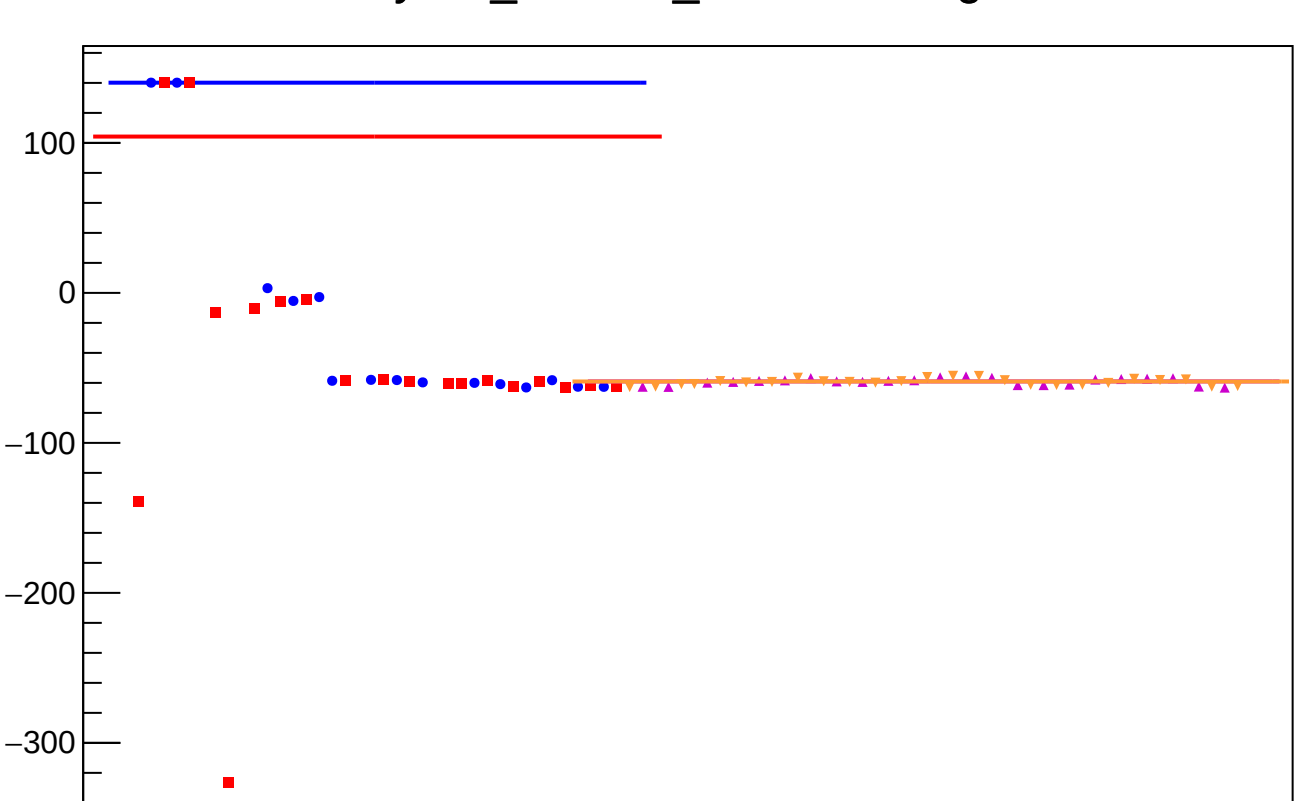
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 40864313.1/40

All: 0.003+/-0.000 χ^2/NDF: 80365853.4/82

- 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: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

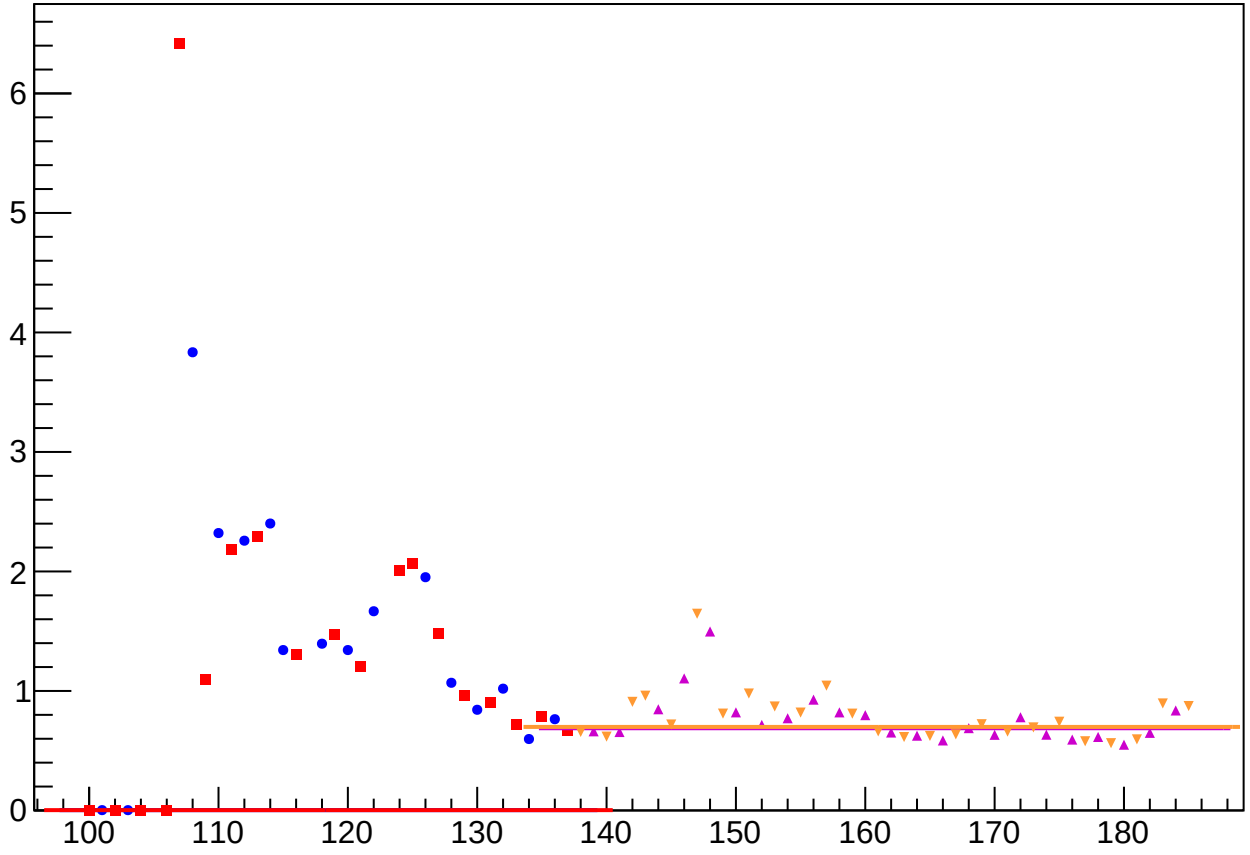
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.107+/-0.000 χ^2/NDF: 1484652986427.2

All: 120.801+/-0.000 χ^2/NDF: 13829938958

- 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: 0.699+/-0.000 χ^2/NDF:1357196.3/24

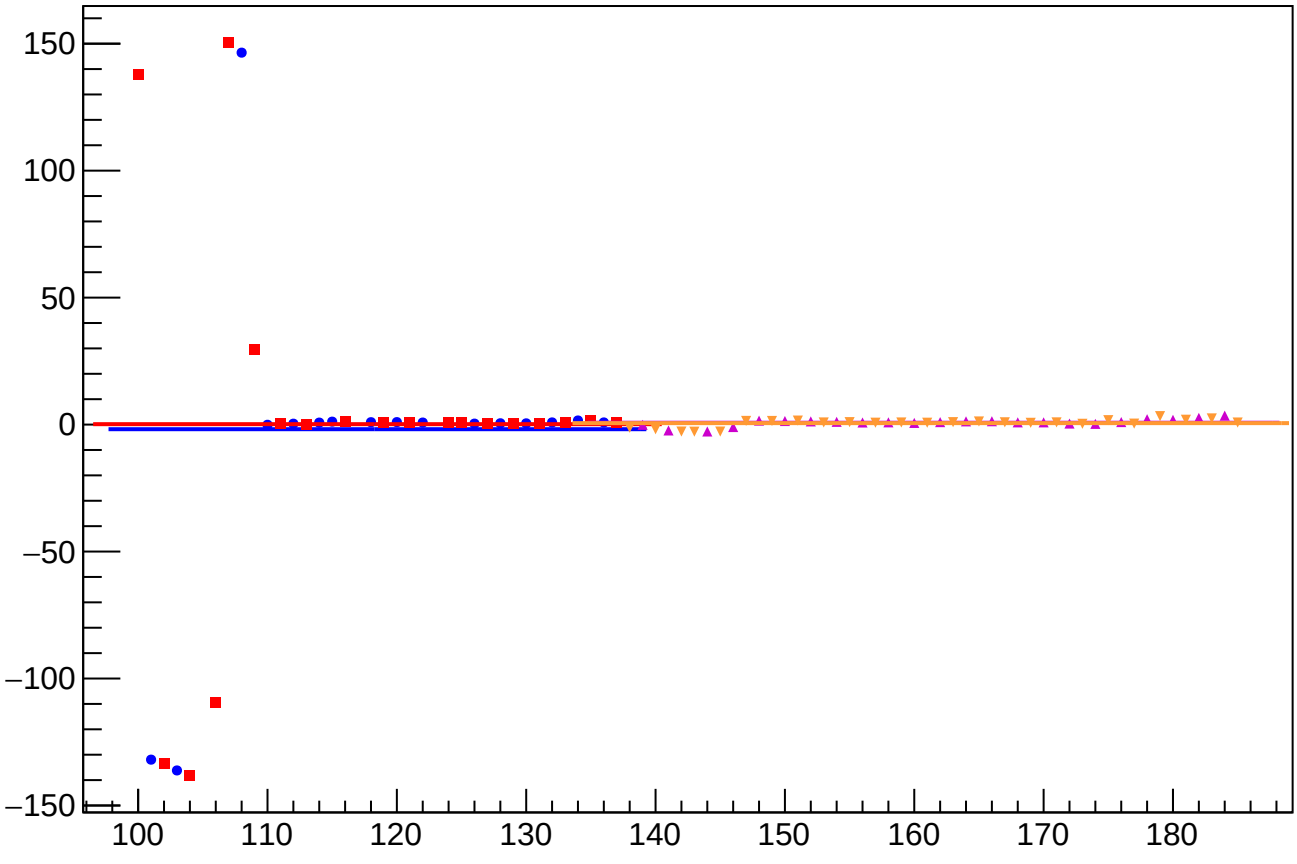
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 43633096.9/40

All: 0.003+/-0.000 χ^2/NDF: 85210998.0/82

- 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: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

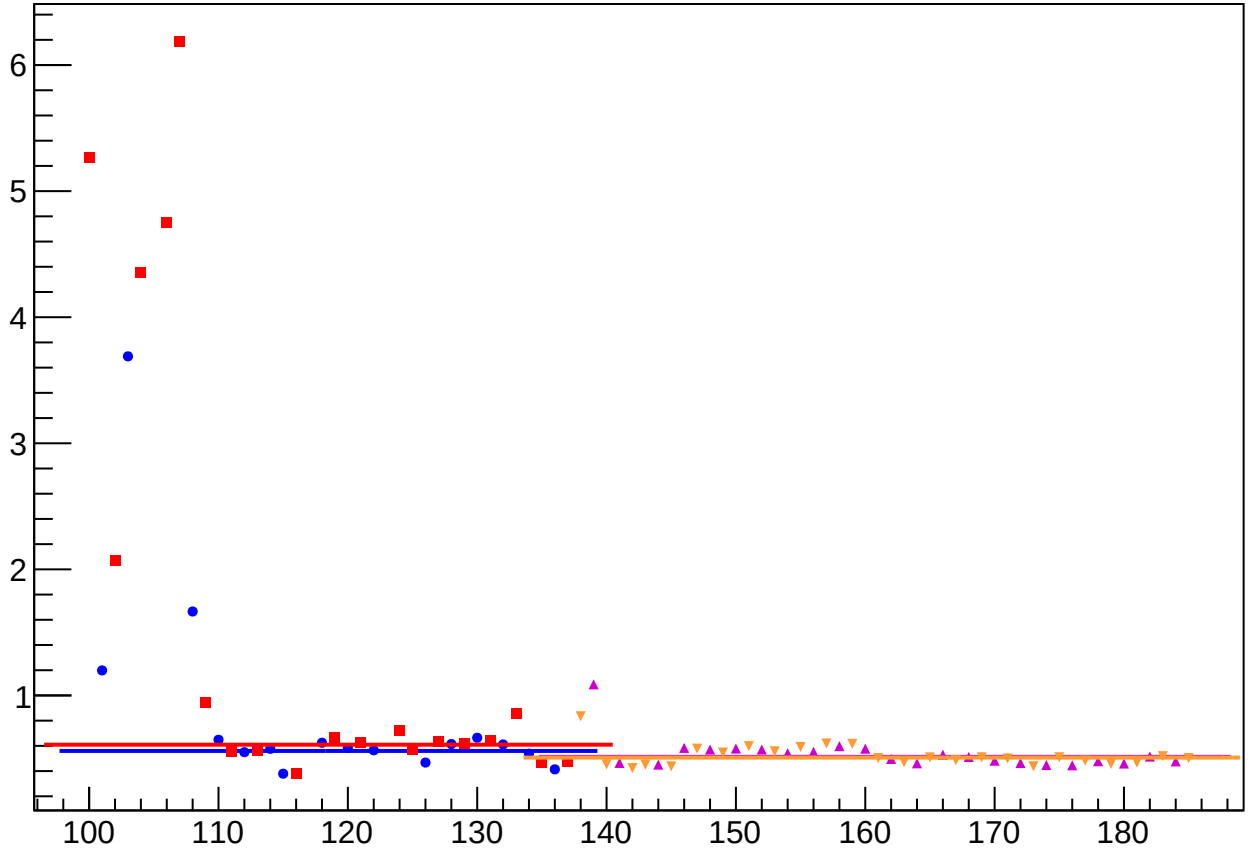
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.074+/-0.000 χ^2/NDF: 10114541398.0/40

All: 0.334+/-0.000 χ^2/NDF: 13845415740.6/8

- 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:554639.8/24

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

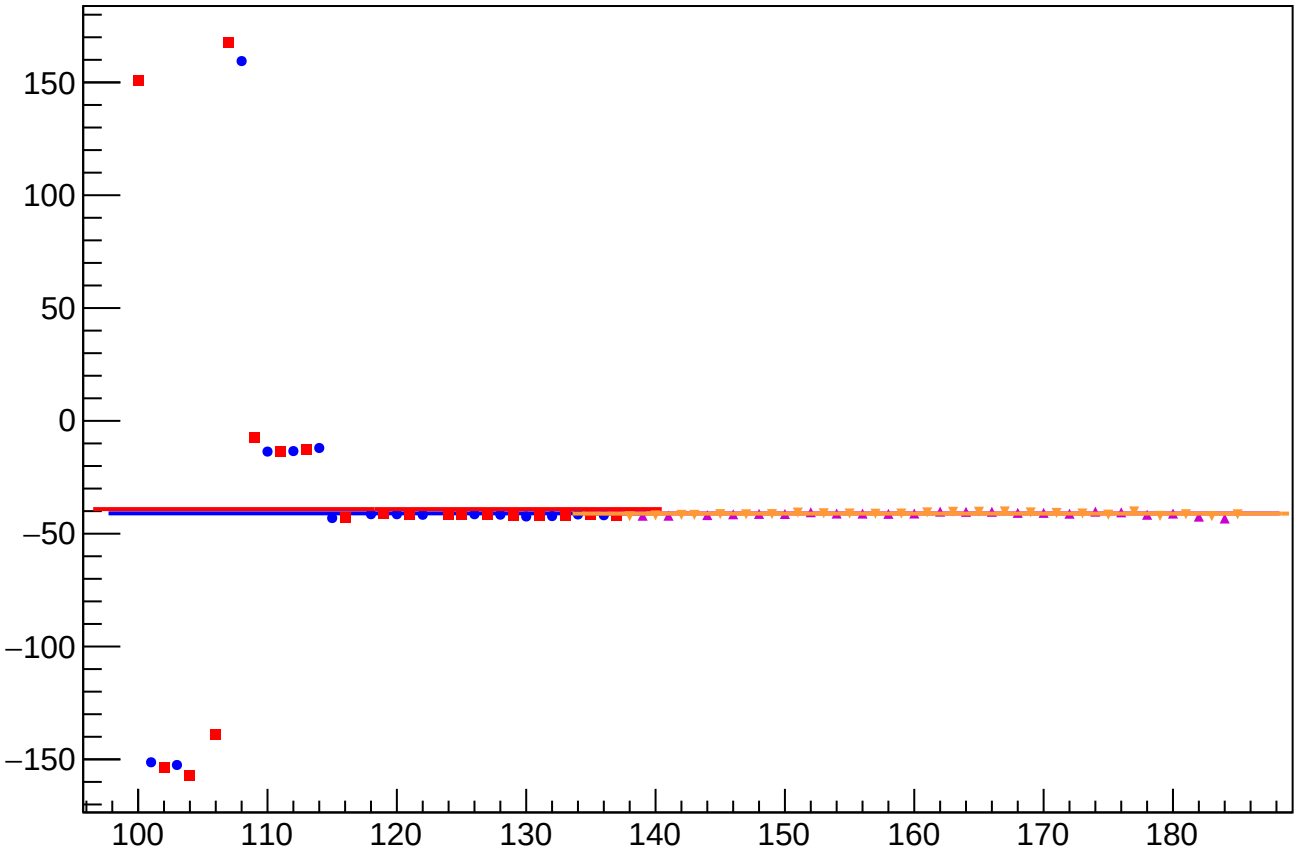
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.518+/-0.000 χ^2/NDF: 2224141.9/40

All: 0.524+/-0.000 χ^2/NDF: 5667884.6/82

- sign 0.531+/-0.000 χ^2/NDF: 3430772.2/41

yield_cav4cY_mean vs Slug



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

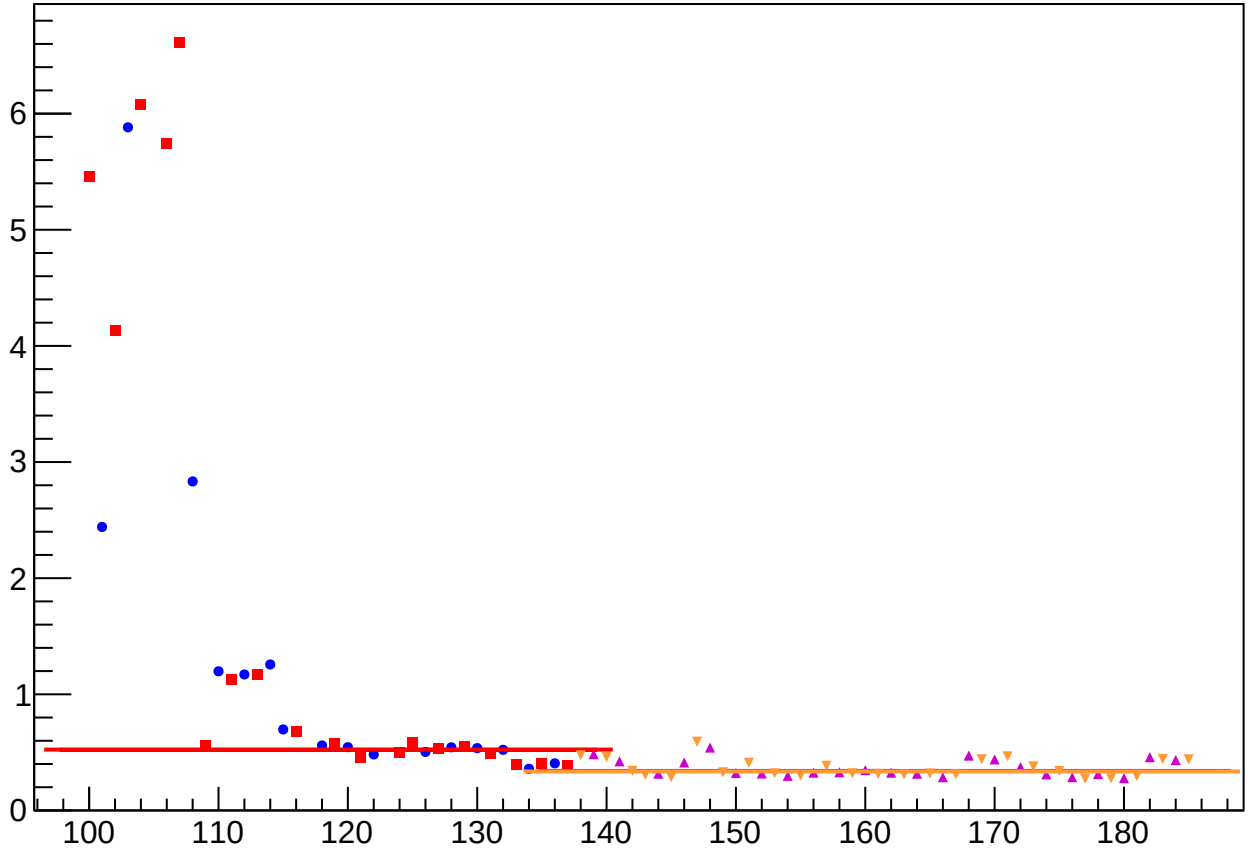
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -41.081+/-0.000 χ^2/NDF: 3510056410.9/40

All: -40.954+/-0.000 χ^2/NDF: 6106729479.9/

- 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: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

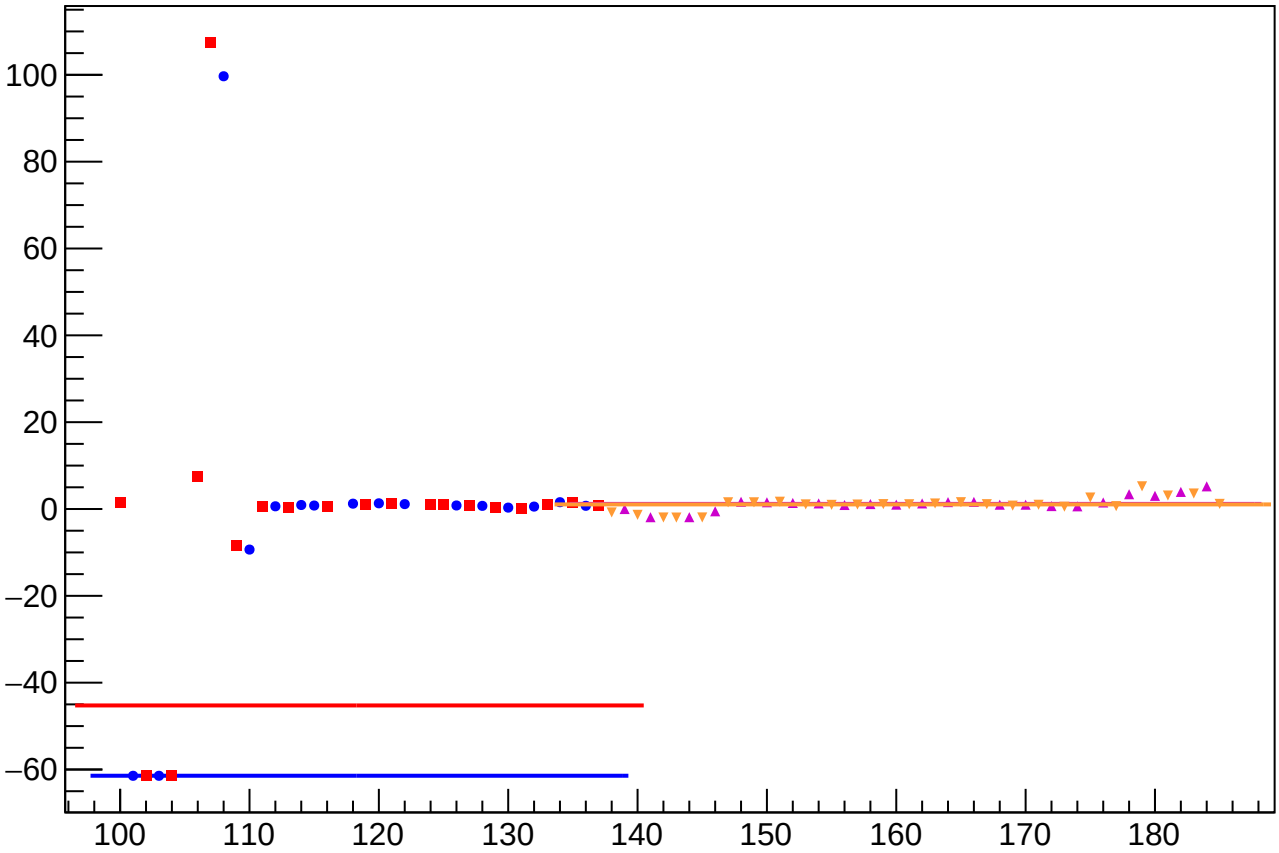
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.355+/-0.000 χ^2/NDF: 5334992.1/40

All: 0.358+/-0.000 χ^2/NDF: 10745815.5/82

- sign 0.360+/-0.000 χ^2/NDF: 5406205.1/41

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

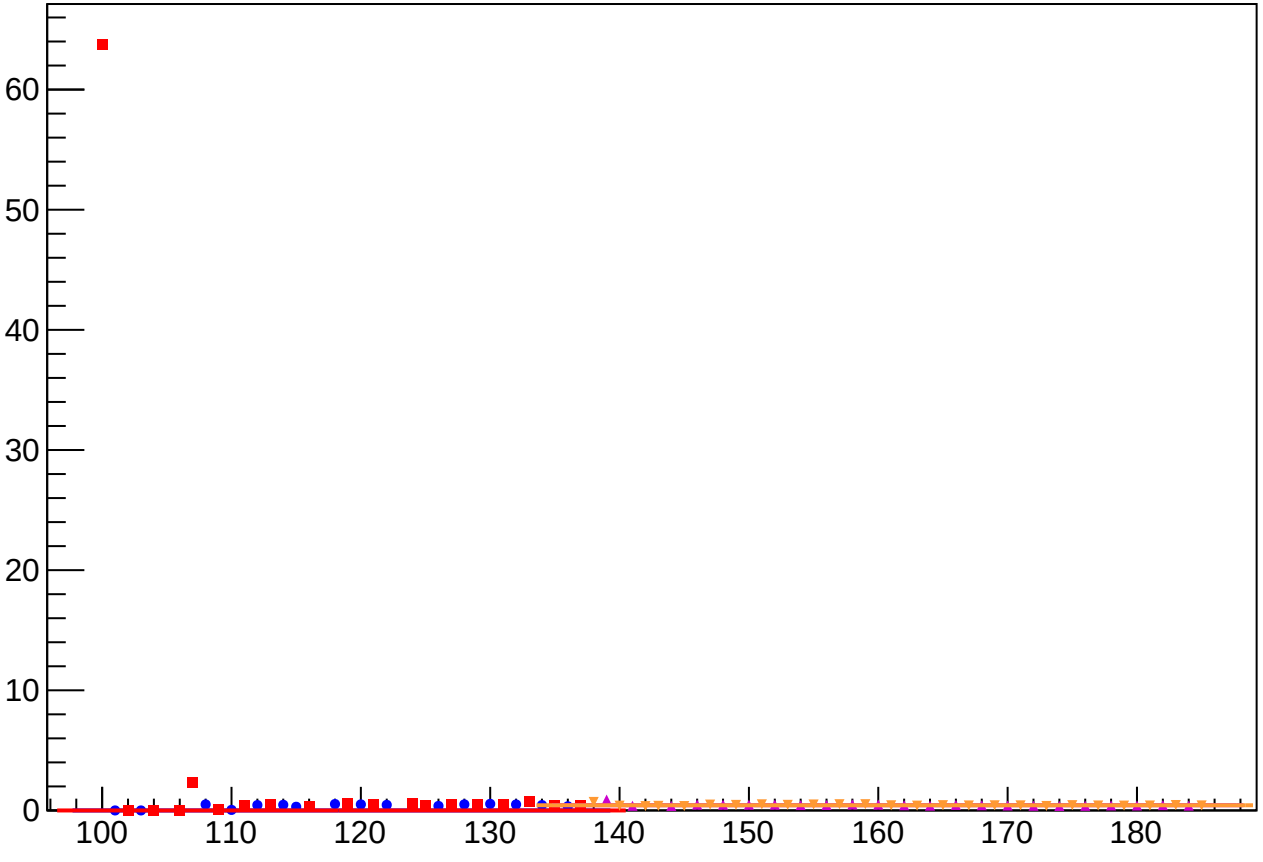
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 603504928947.1/4

All: -52.738+/-0.000 χ^2/NDF: 409591334909

- 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:527546.3/24

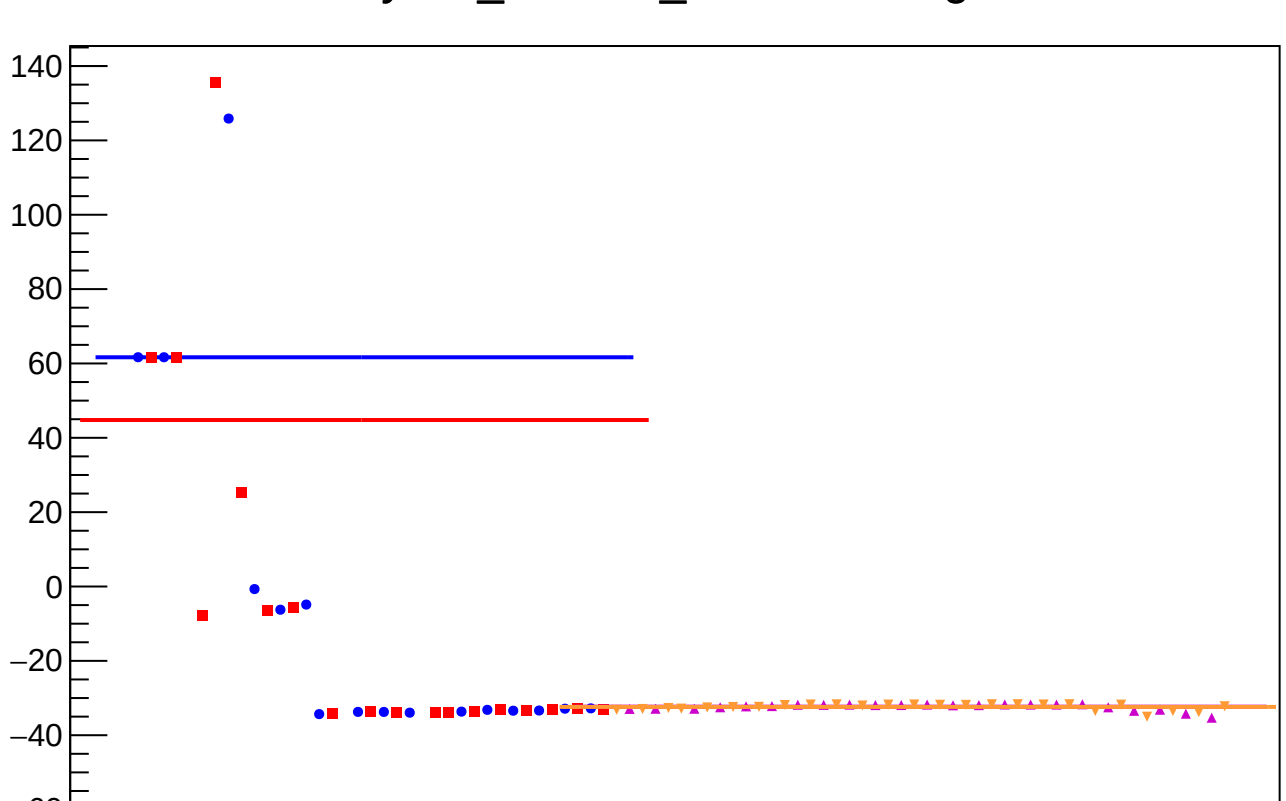
Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 40921941.1/40

All: 0.002+/-0.000 χ^2/NDF: 80410580.5/82

- sign 0.002+/-0.000 χ^2/NDF: 39488447.3/41



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

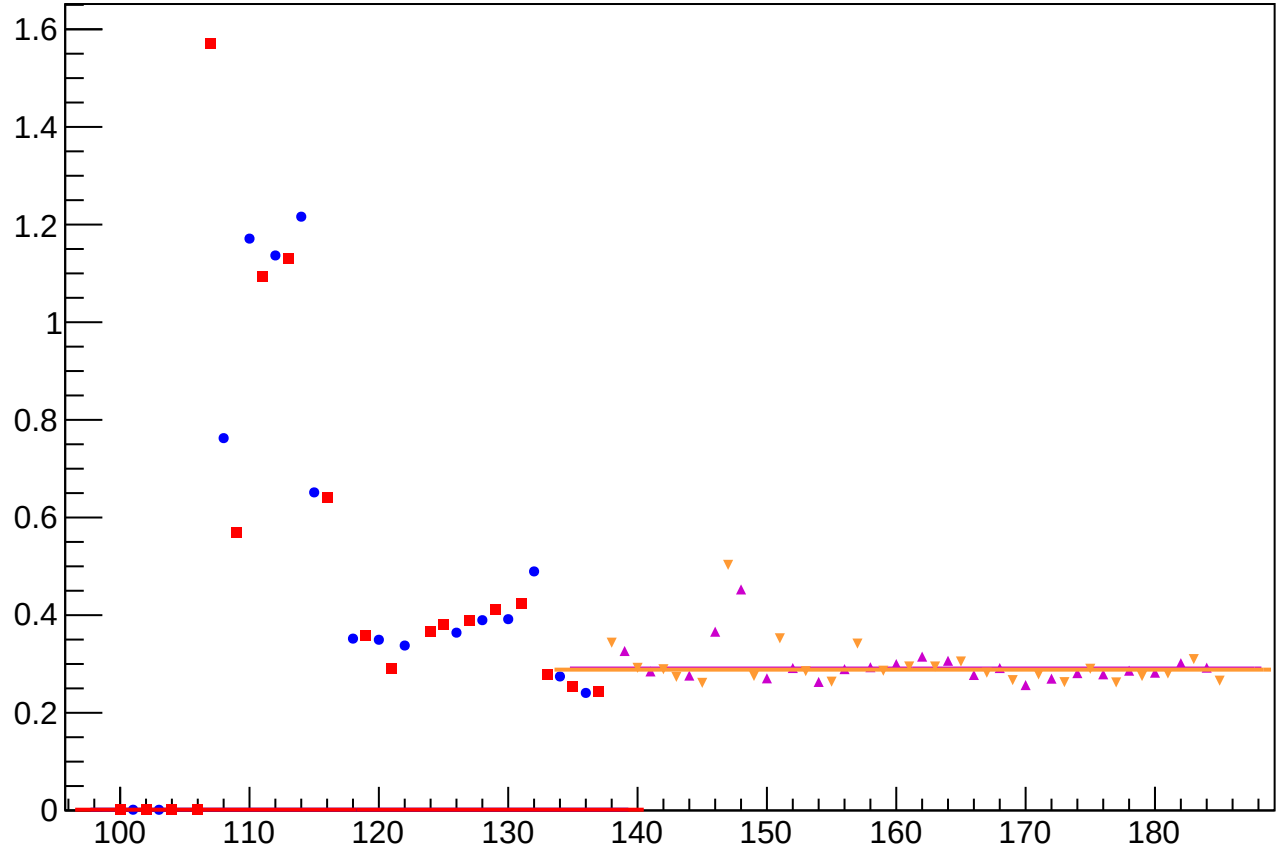
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.600+/-0.000 χ^2/NDF: 2327596277688.5/4

All: 52.638+/-0.000 χ^2/NDF: 420662793581

- 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: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

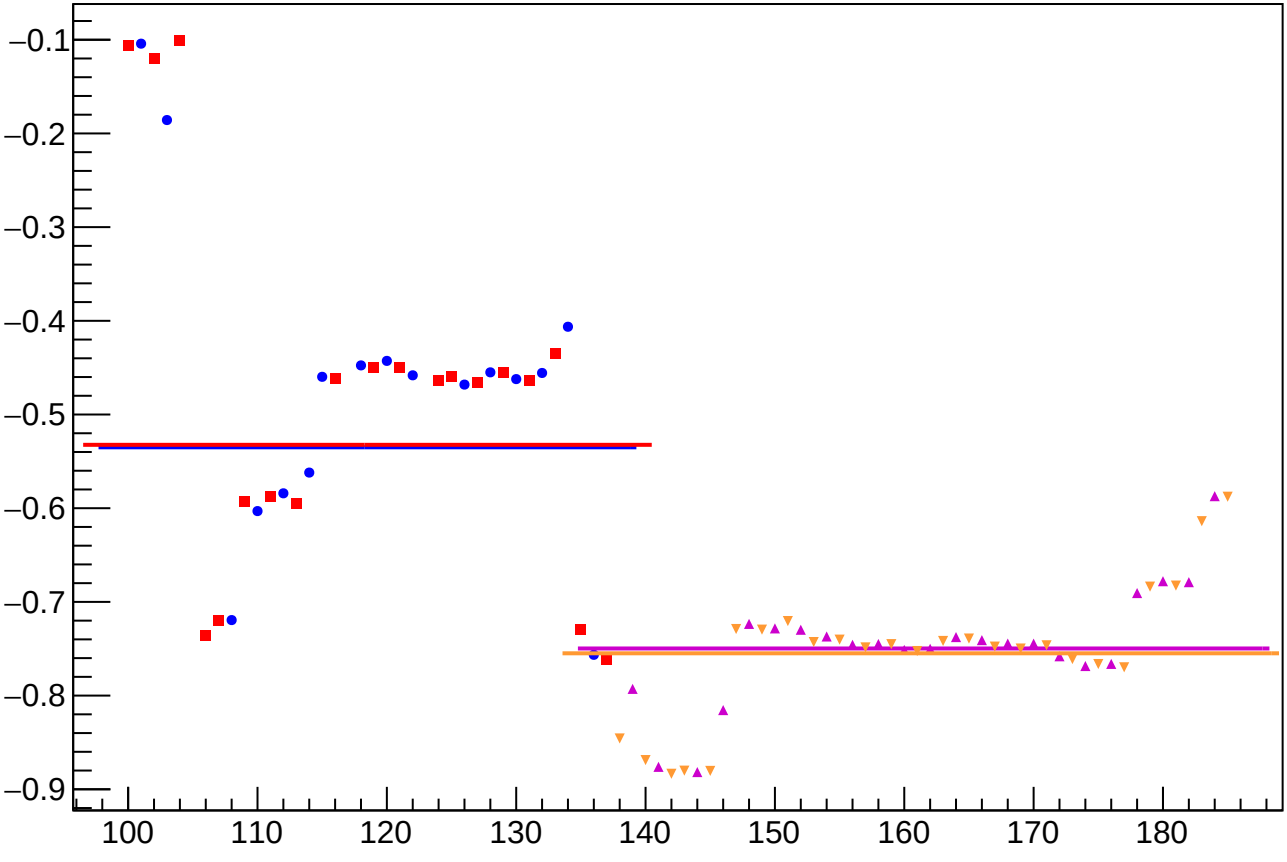
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 47987920.8/40

All: 0.002+/-0.000 χ^2/NDF: 93455588.8/82

- 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: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

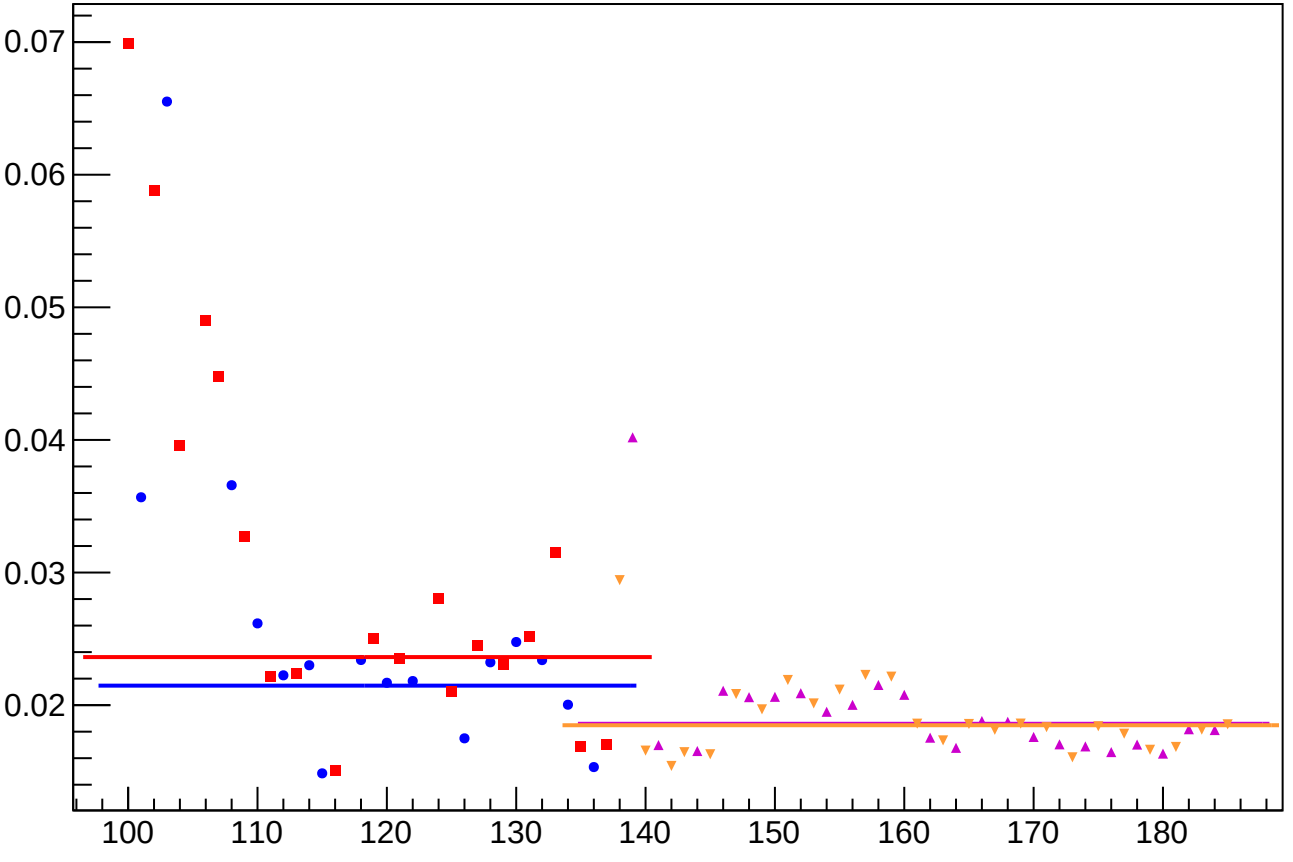
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

\+ sign -0.710+/-0.000 χ^2/NDF: 961620724.5/40

All: -0.709+/-0.000 χ^2/NDF: 1698985253.2/8

\- 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:491665.0/24

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

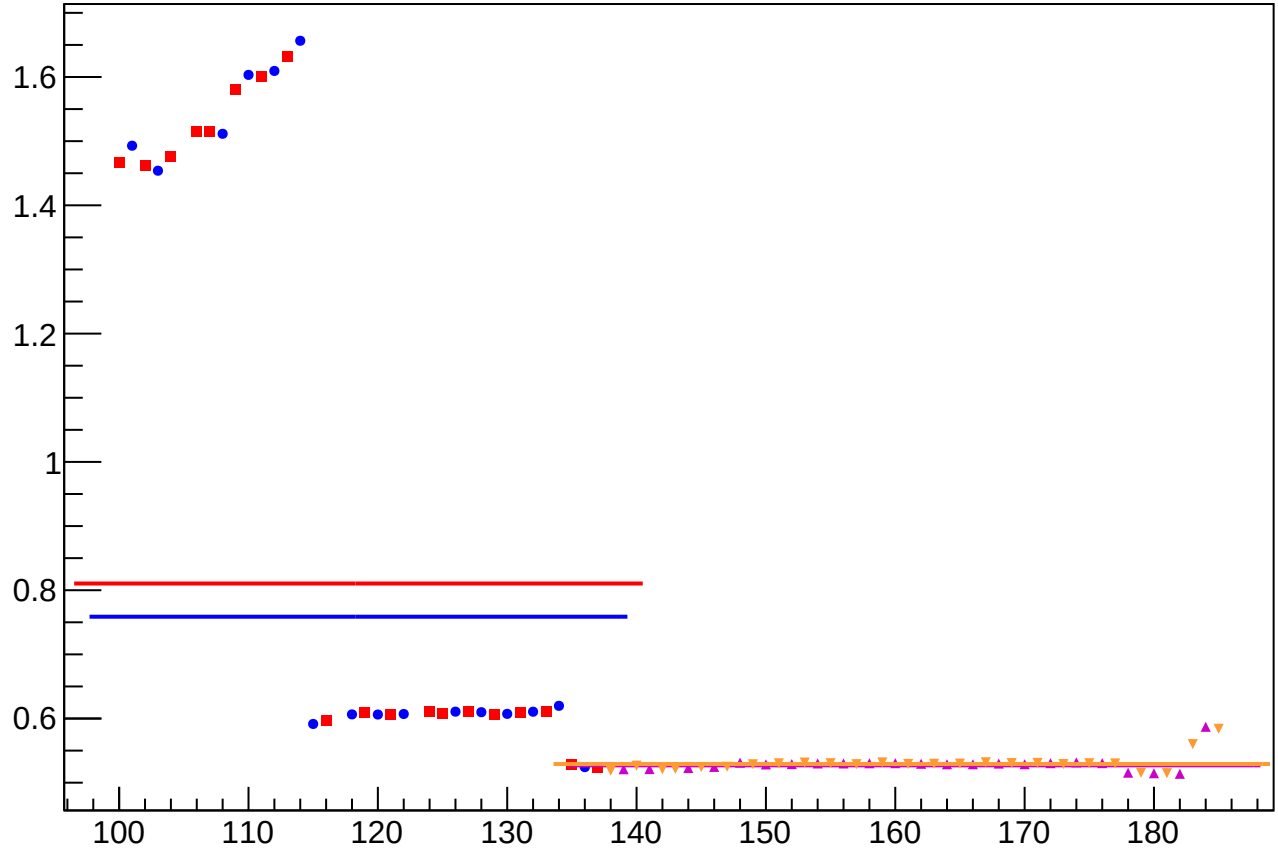
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1810966.9/40

All: 0.019+/-0.000 χ^2/NDF: 4248625.4/82

- 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: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

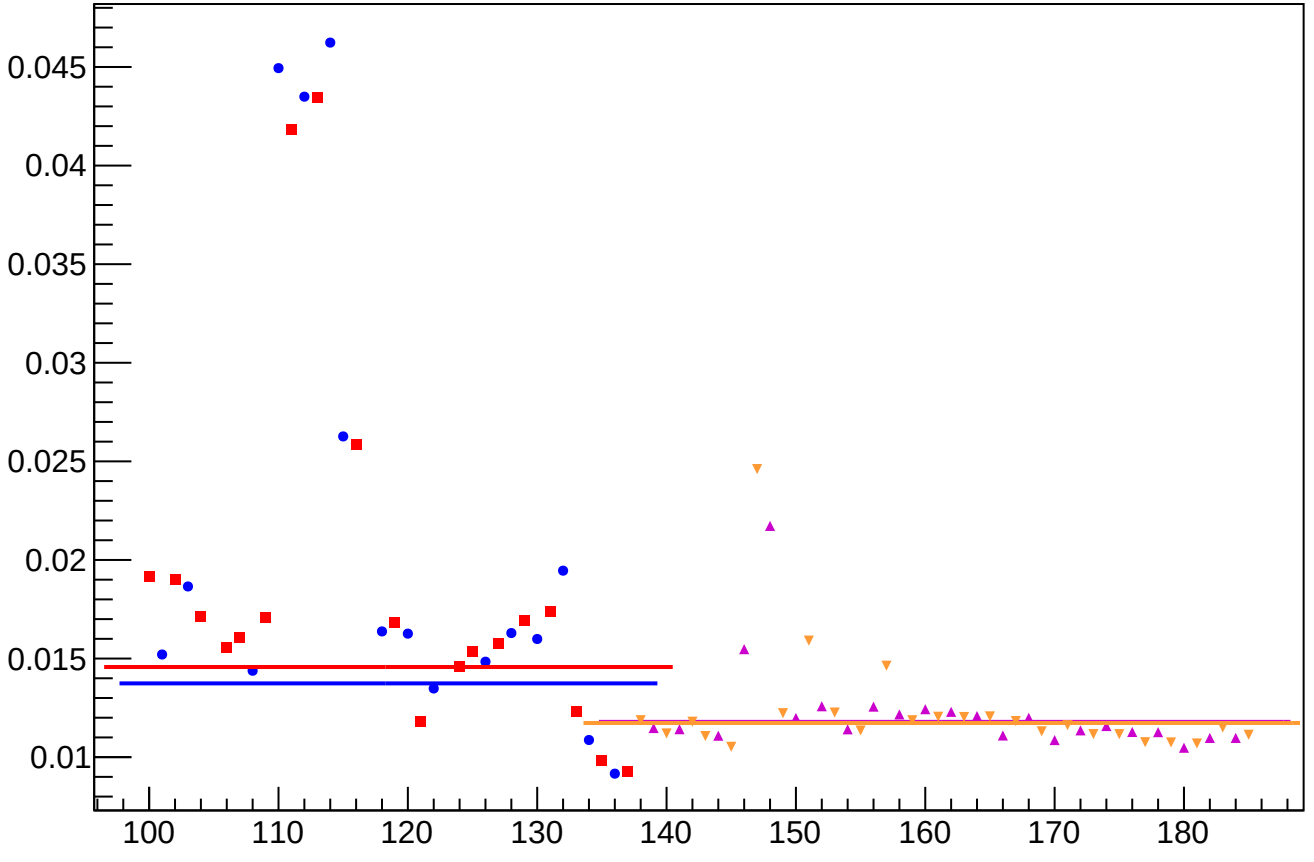
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.573+/-0.000 χ^2/NDF: 5667433998.0/40

All: 0.576+/-0.000 χ^2/NDF: 12370153786.3/8

- 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:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

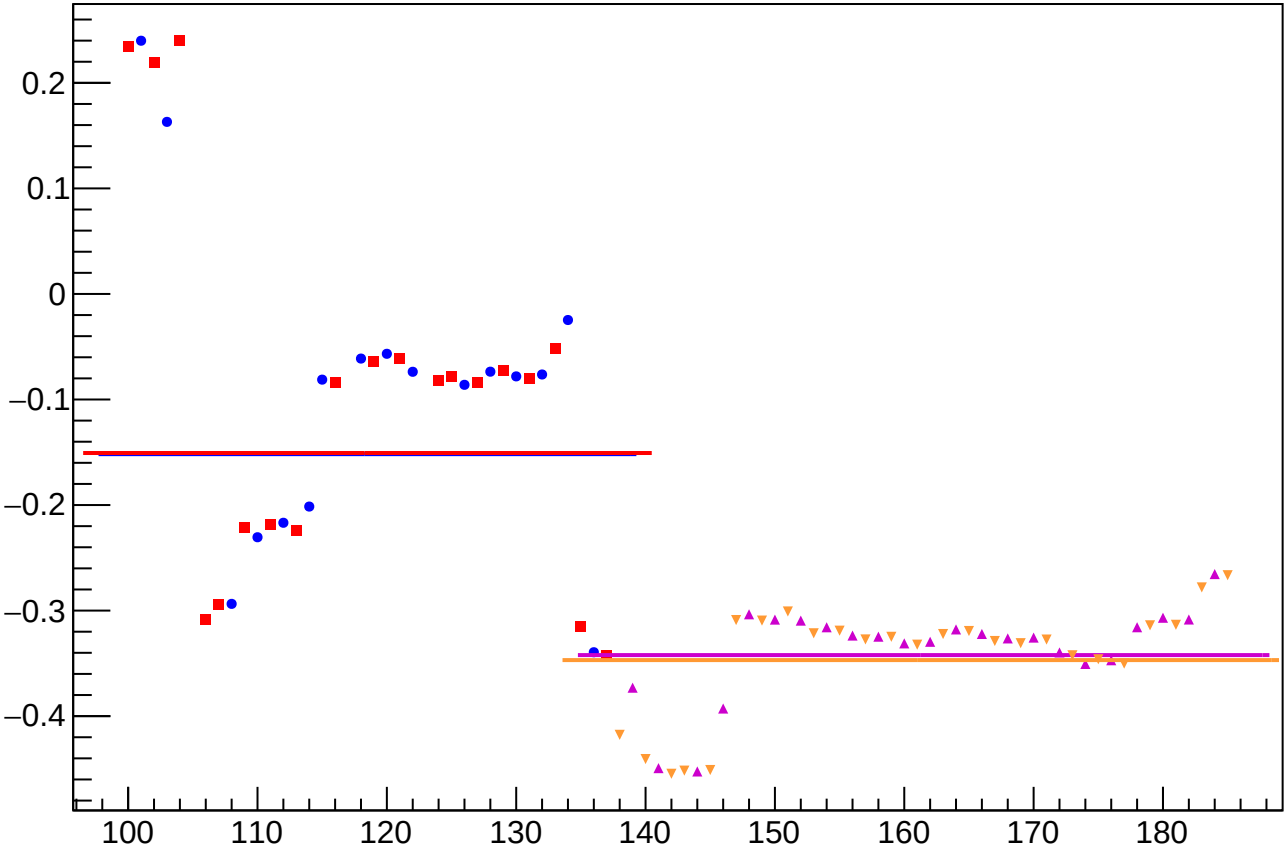
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2555504.4/40

All: 0.012+/-0.000 χ^2/NDF: 4905779.6/82

- 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: -0.347+/-0.000 χ^2/NDF:125890246.2/24

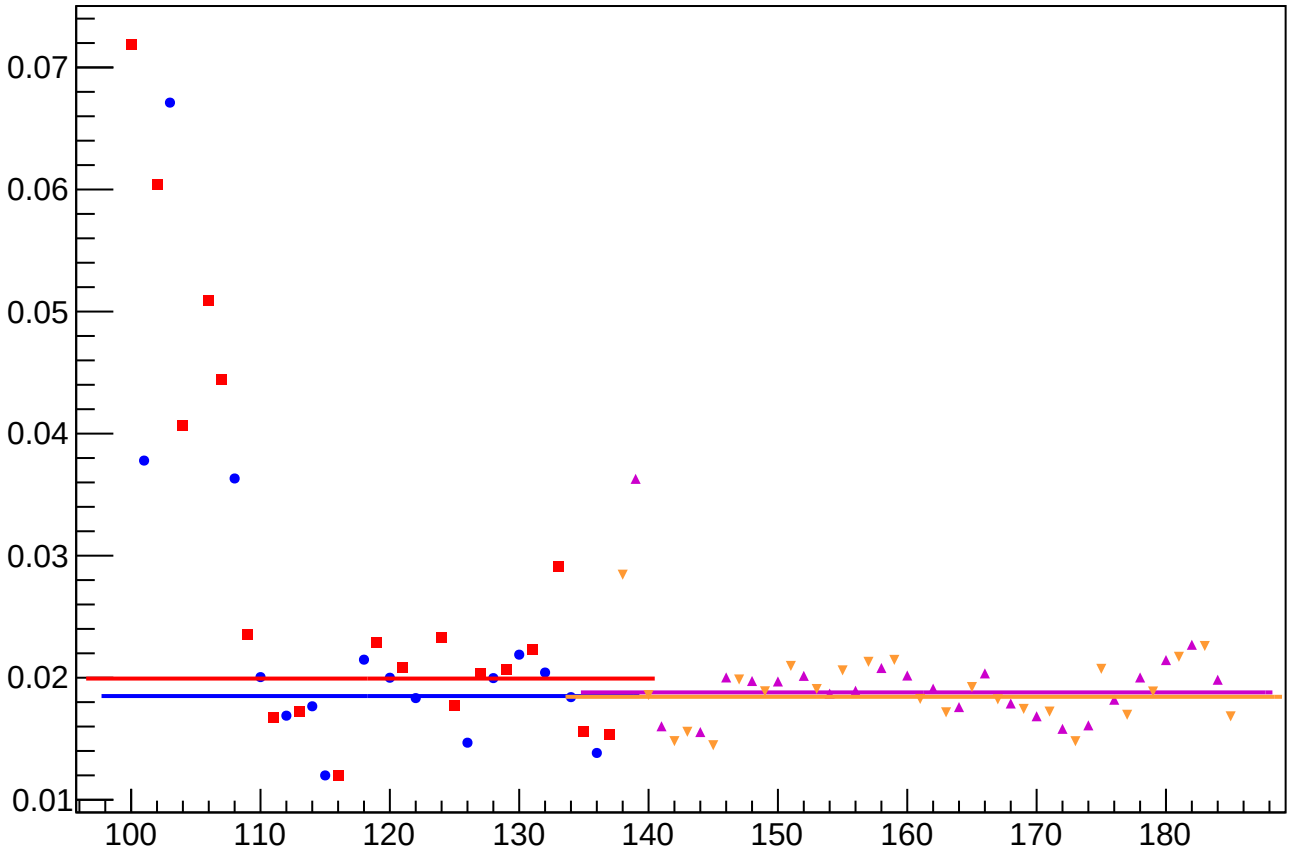
Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.298+/-0.000 χ^2/NDF: 843763920.6/40

All: -0.297+/-0.000 χ^2/NDF: 1511609372.9/8

- sign -0.295+/-0.000 χ^2/NDF: 667576053.3/41



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

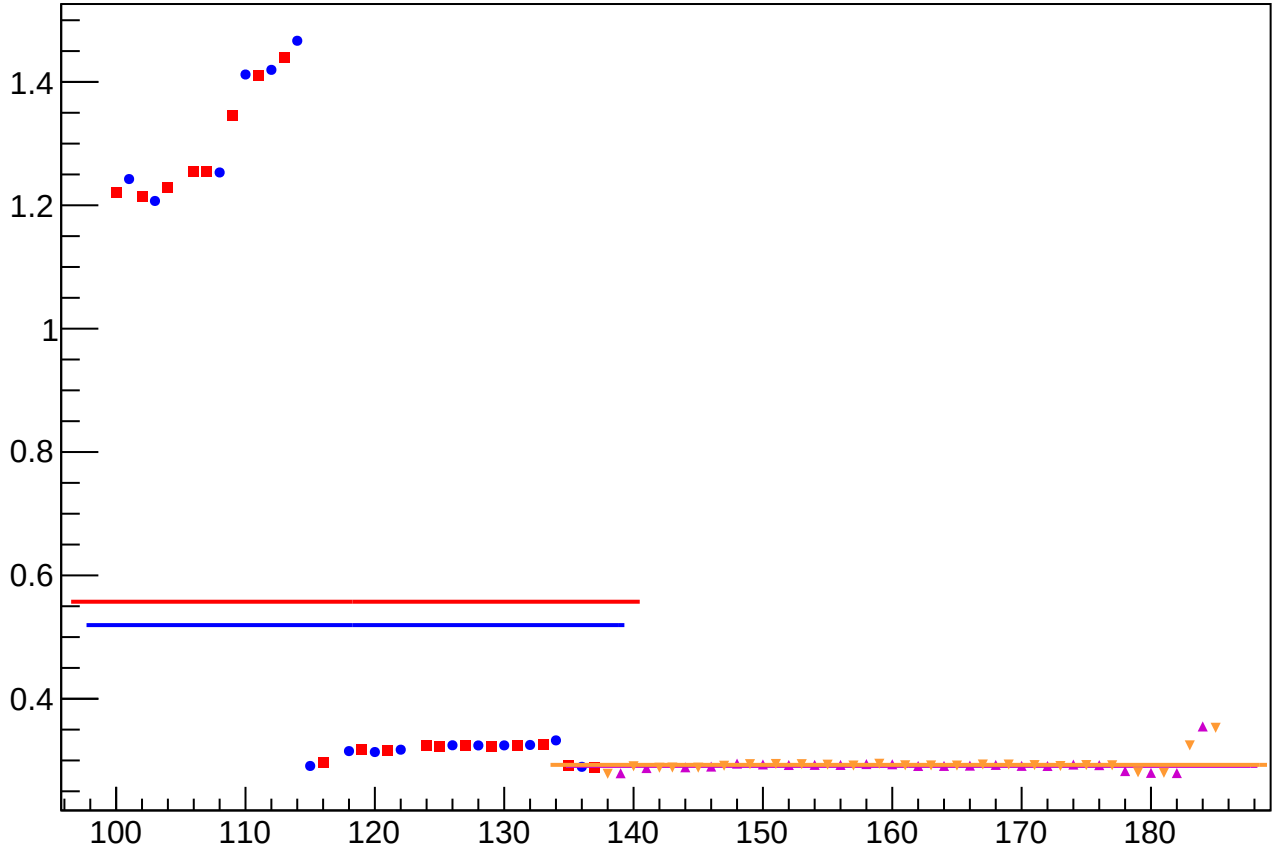
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.018+/-0.000 χ^2/NDF: 2012478.8/40

All: 0.019+/-0.000 χ^2/NDF: 4328294.5/82

- 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: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

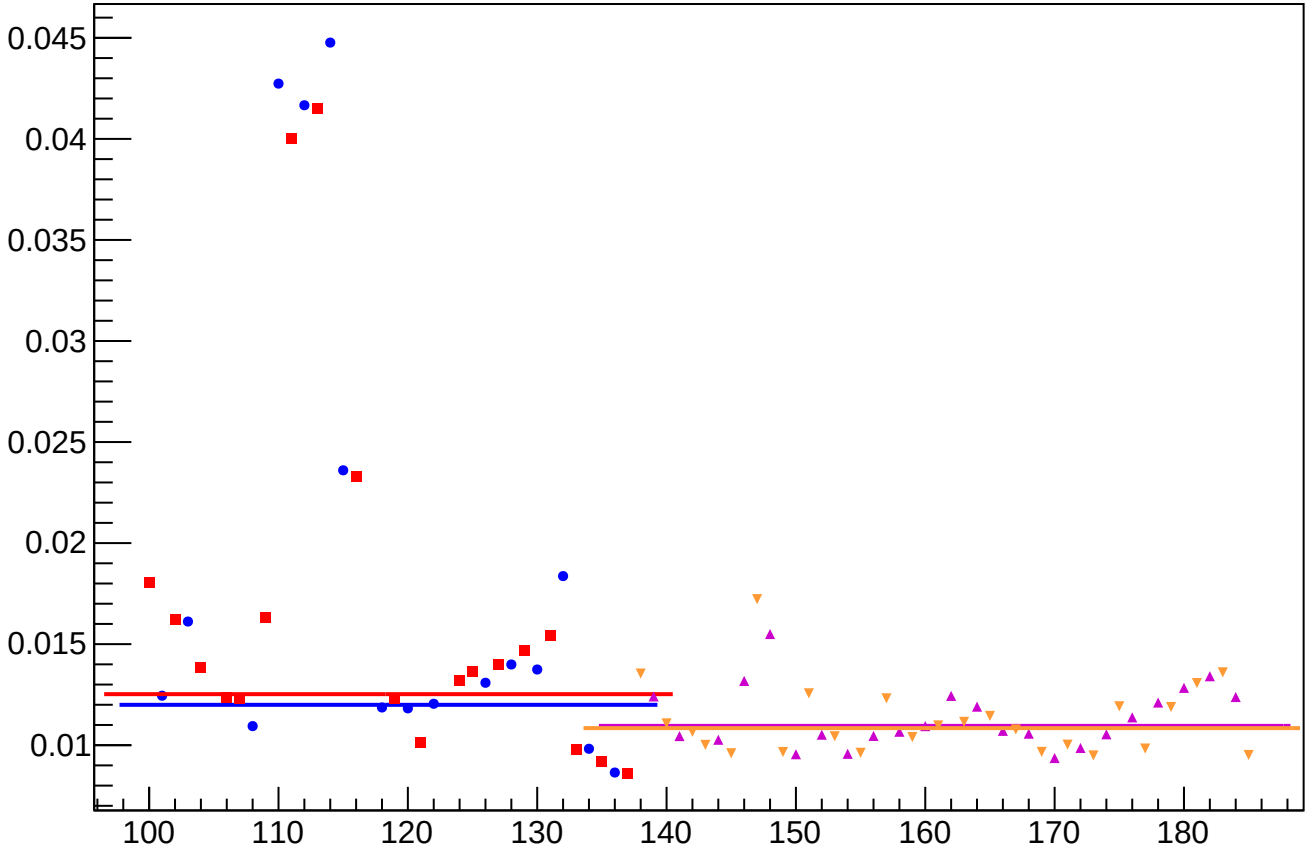
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.340+/-0.000 χ^2/NDF: 8016034515.5/40

All: 0.344+/-0.000 χ^2/NDF: 16955051062.4/8

- 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:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

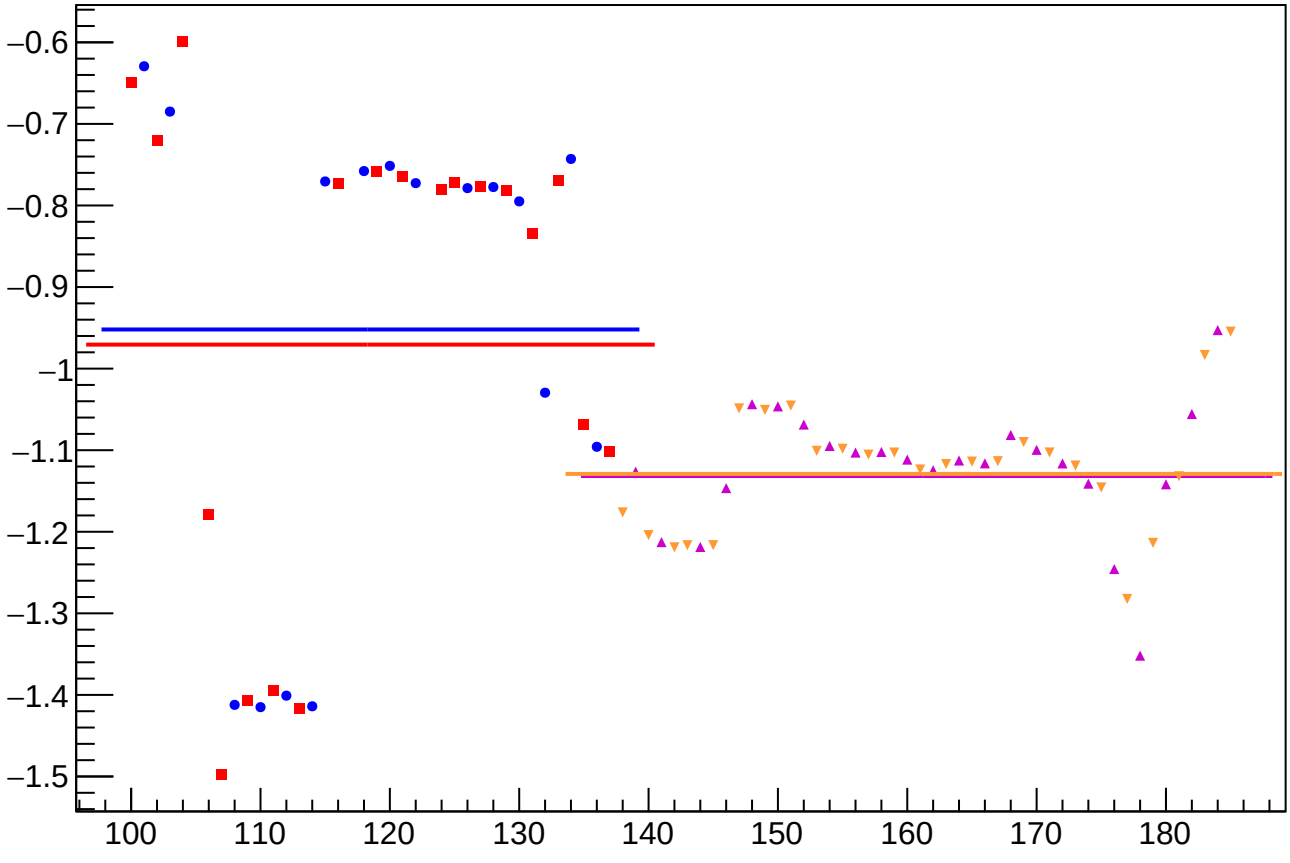
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2233056.9/40

All: 0.011+/-0.000 χ^2/NDF: 4338689.5/82

- 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: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

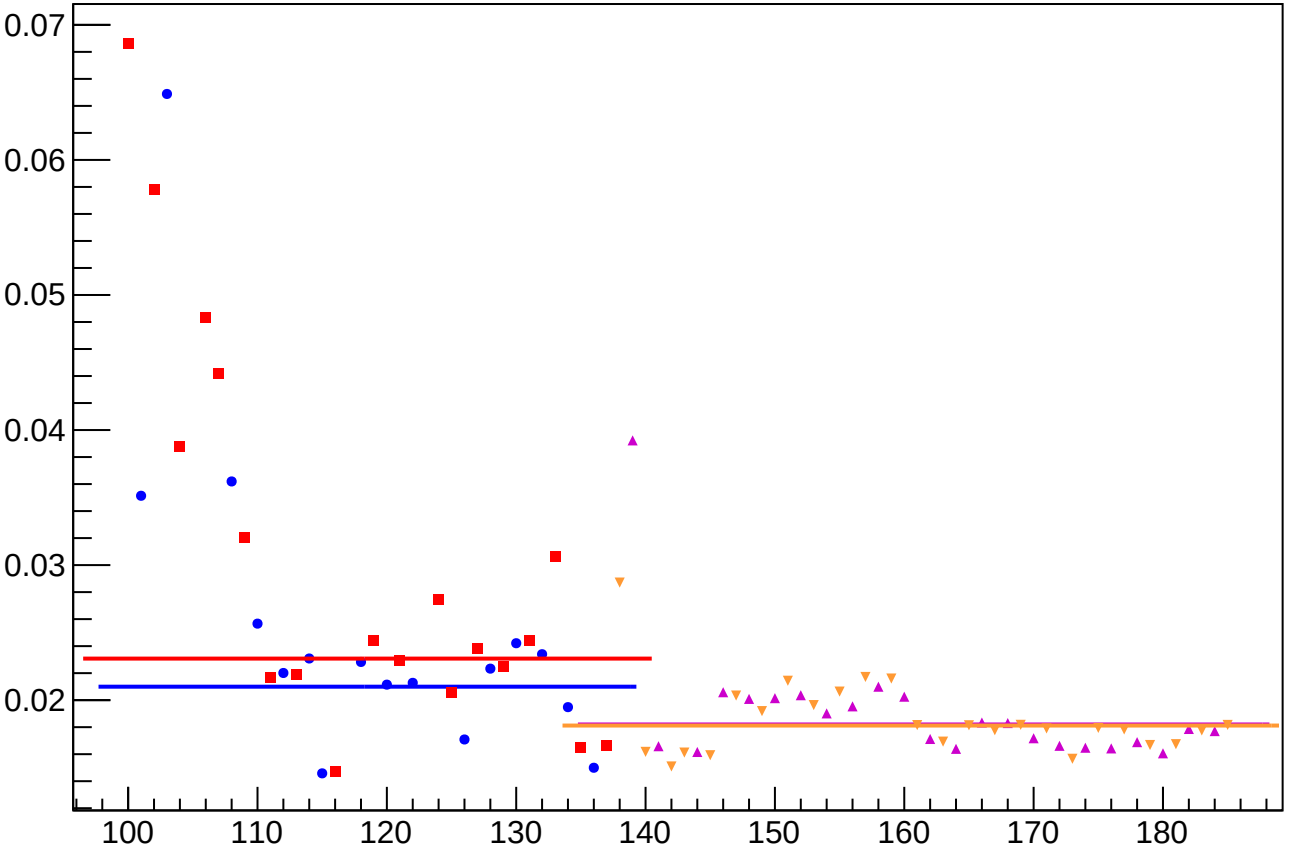
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.093+/-0.000 χ^2/NDF: 1240933790.5/40

All: -1.097+/-0.000 χ^2/NDF: 2436513981.0/8

- 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:474004.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

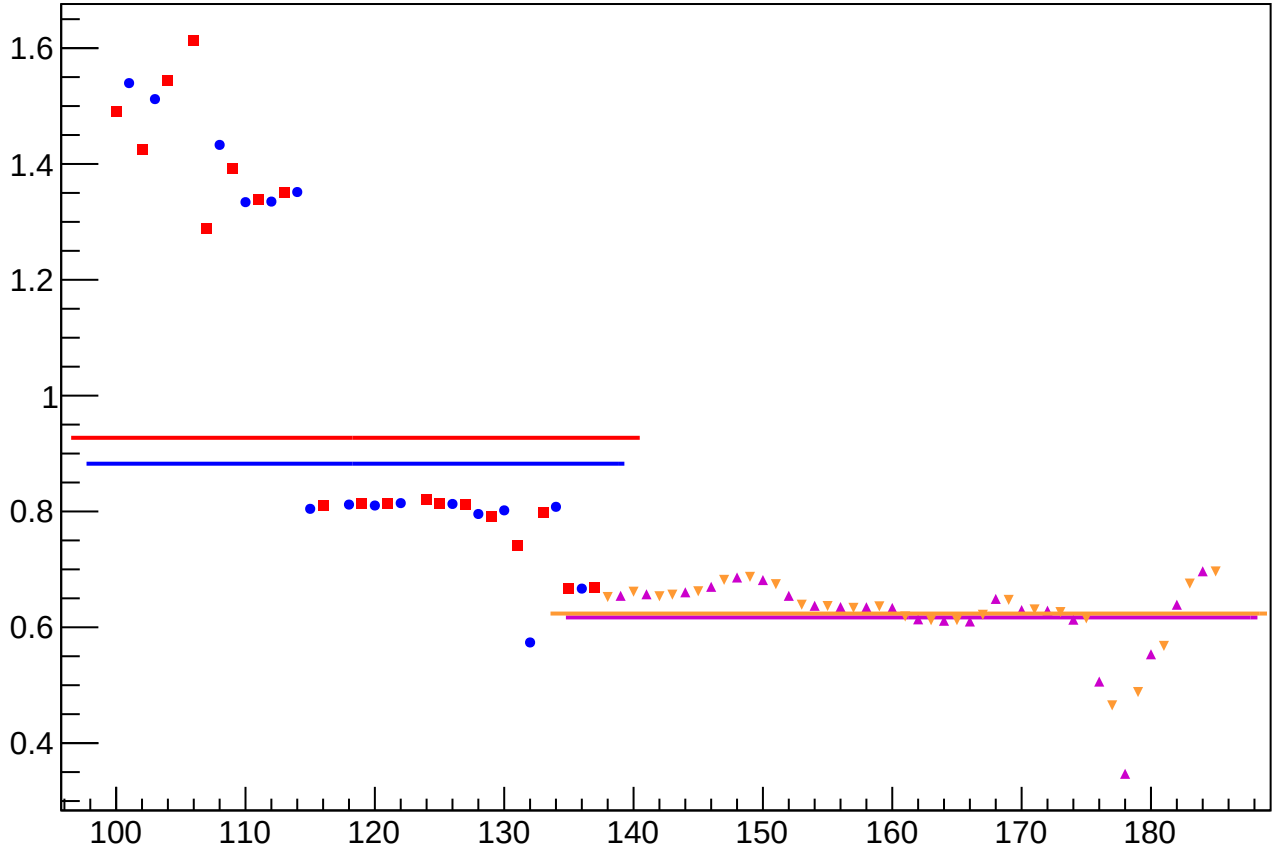
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1801138.2/40

All: 0.019+/-0.000 χ^2/NDF: 4218608.1/82

- 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: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

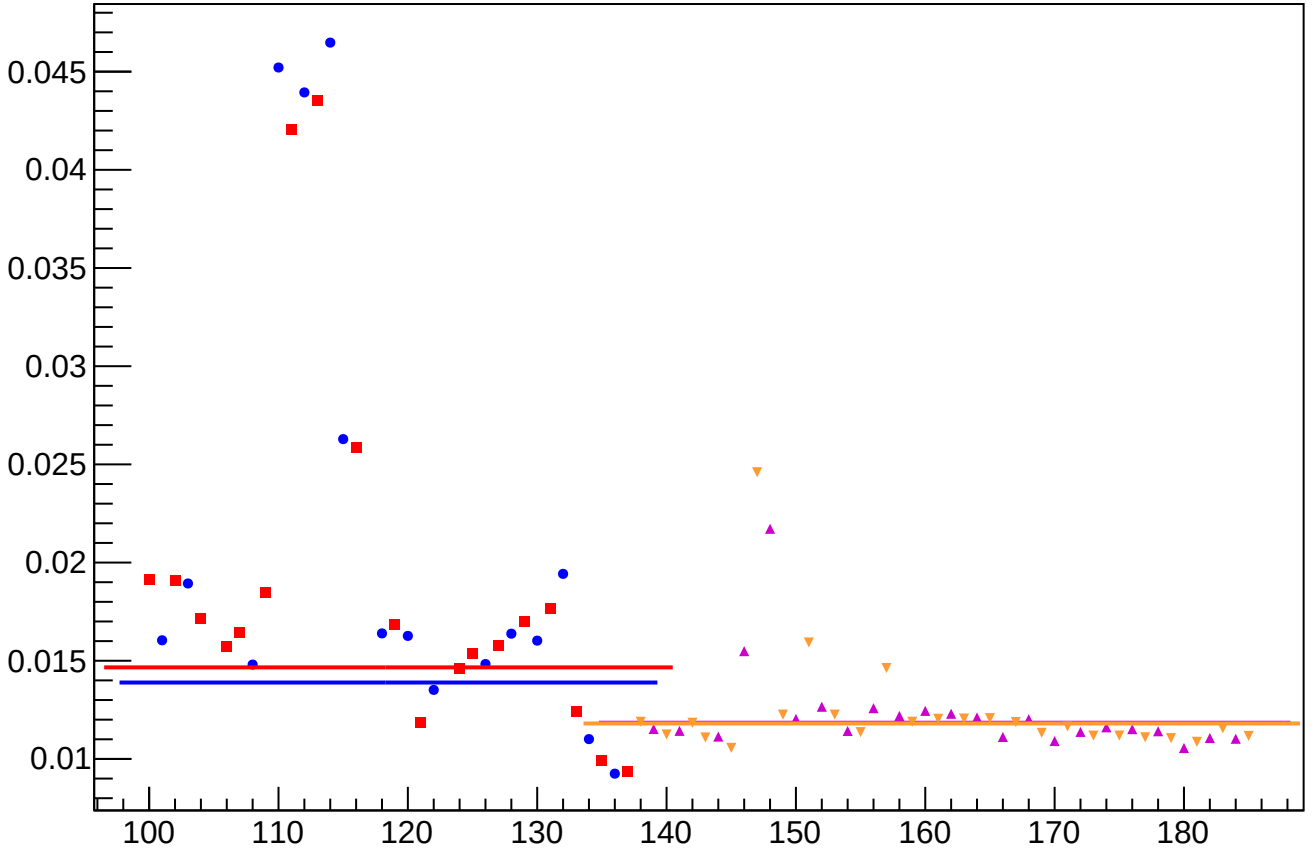
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.672+/-0.000 χ^2/NDF: 4854236728.2/40

All: 0.674+/-0.000 χ^2/NDF: 10519845208.7/8

- 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:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

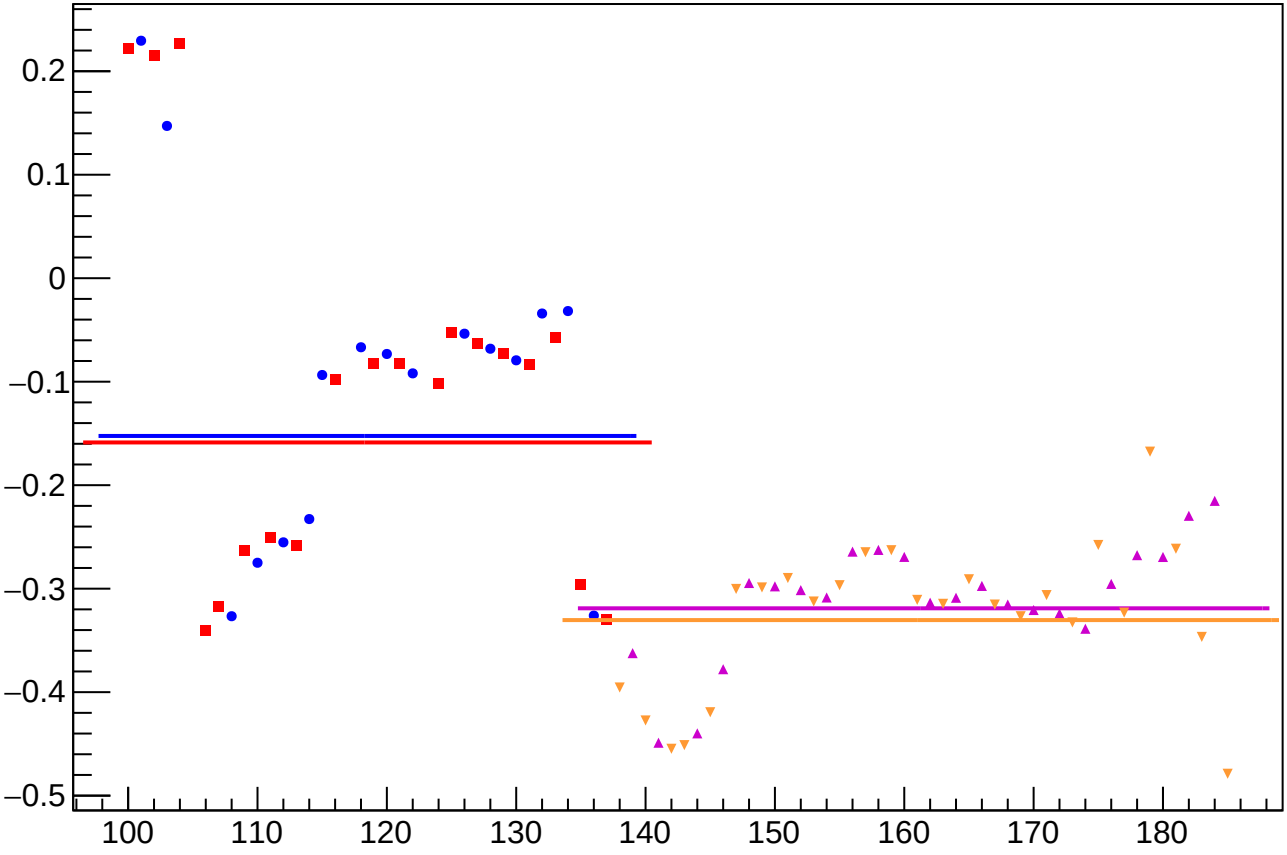
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2537250.9/40

All: 0.012+/-0.000 χ^2/NDF: 4890397.9/82

- 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: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

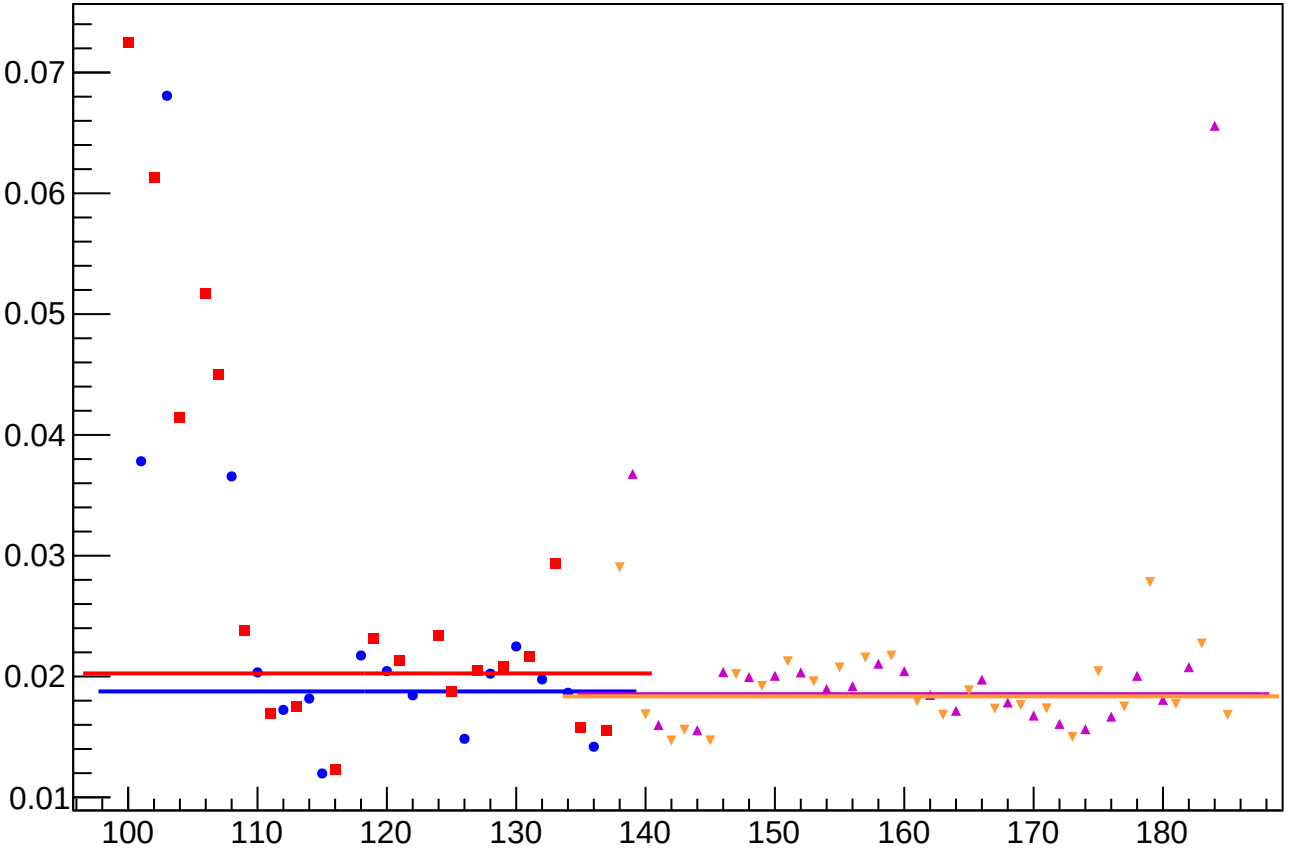
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 814362665.5/40

All: -0.284+/-0.000 χ^2/NDF: 1401010928.9/8

- 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:737503.8/24

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

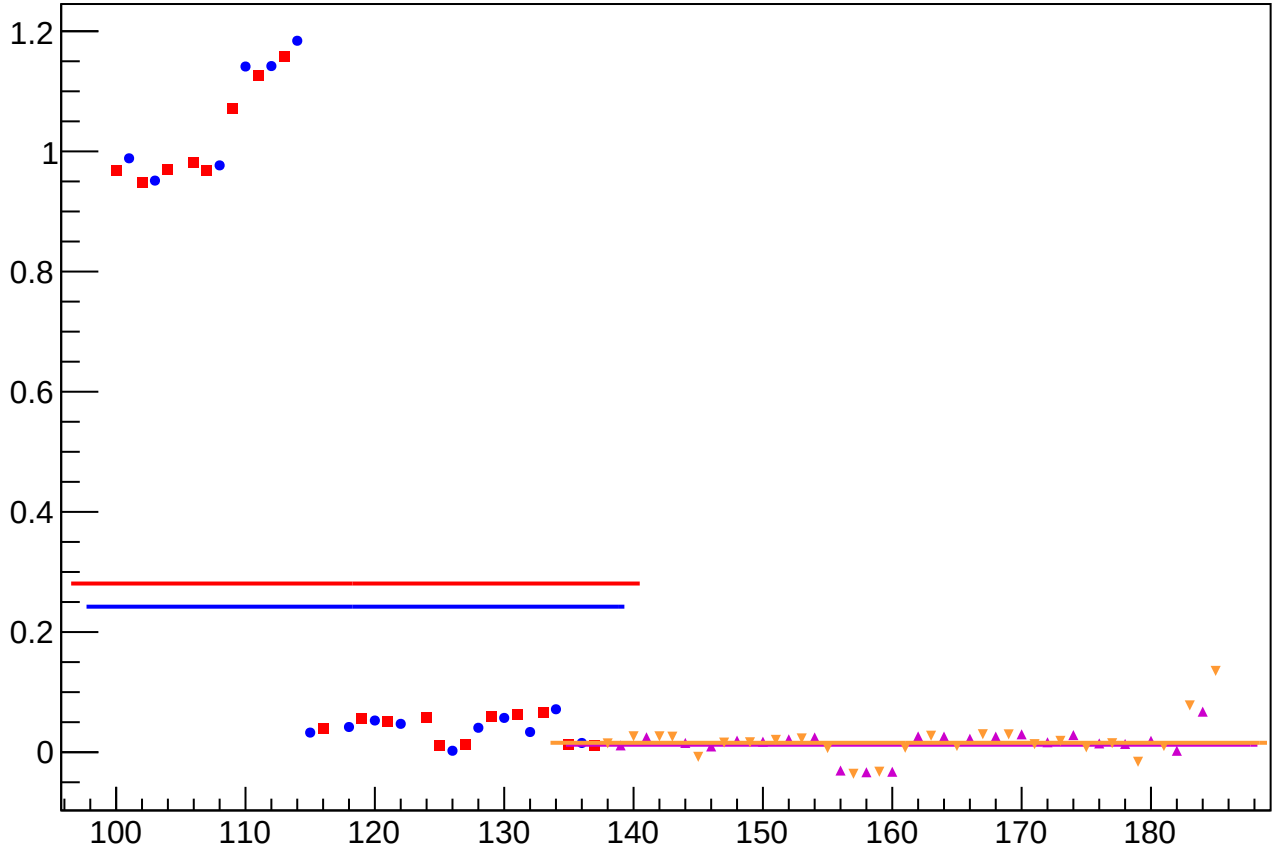
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 2090639.2/40

All: 0.019+/-0.000 χ^2/NDF: 4627687.2/82

- 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: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

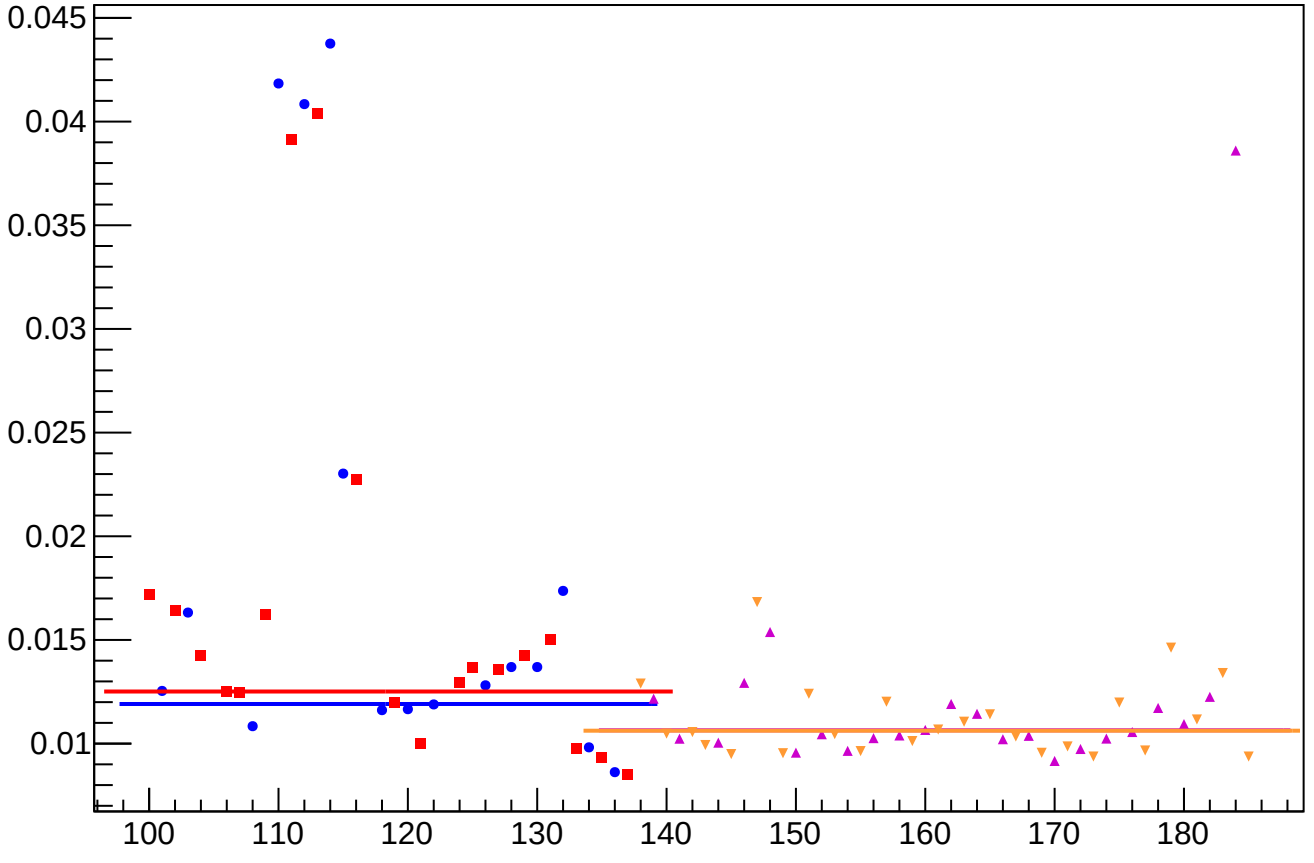
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.063+/-0.000 χ^2/NDF: 8318293080.3/40

All: 0.066+/-0.000 χ^2/NDF: 17372974620.5/8

- 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:622208.3/24

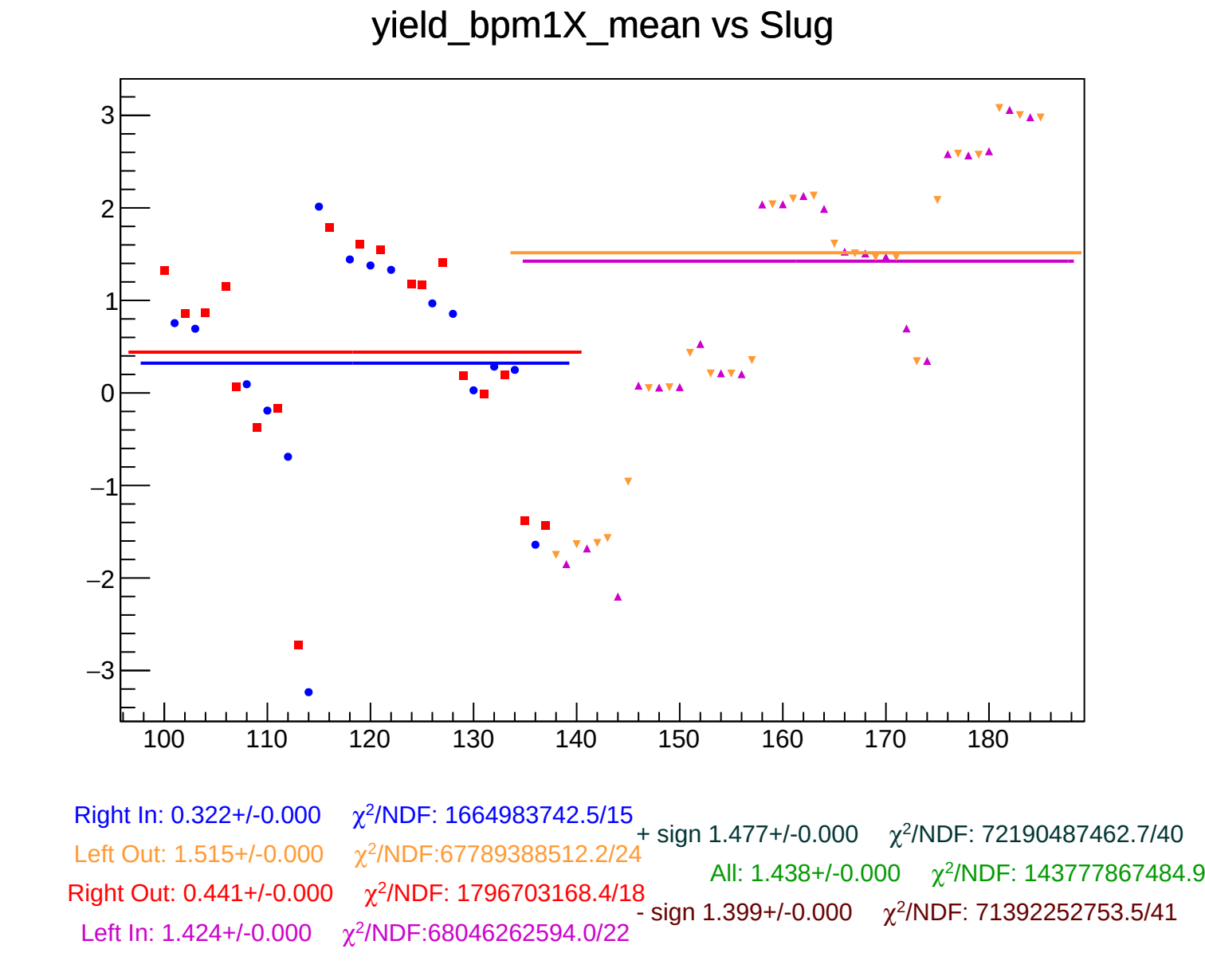
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

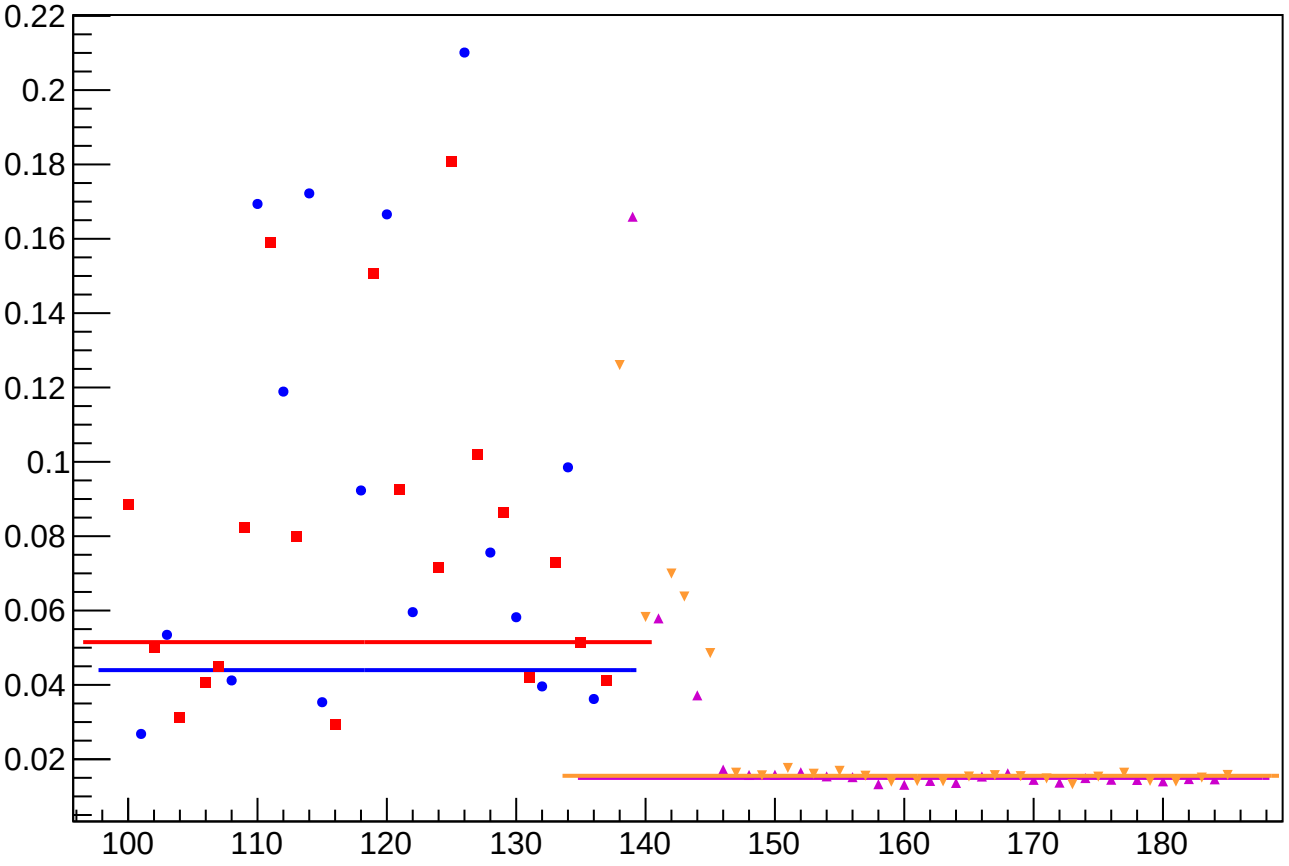
+ sign 0.011+/-0.000 χ^2/NDF: 2191873.2/40

All: 0.011+/-0.000 χ^2/NDF: 4377223.6/82

- sign 0.011+/-0.000 χ^2/NDF: 2181757.8/41


yield_bpm1X_mean vs Slug
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: 0.322+/-0.000 χ²/NDF: 1664983742.5/15
Left Out: 1.515+/-0.000 χ²/NDF:67789388512.2/24
Right Out: 0.441+/-0.000 χ²/NDF: 1796703168.4/18
Left In: 1.424+/-0.000 χ²/NDF:68046262594.0/22
+ sign 1.477+/-0.000 χ²/NDF: 72190487462.7/40
All: 1.438+/-0.000 χ²/NDF: 143777867484.9
- sign 1.399+/-0.000 χ²/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:2984313.0/24

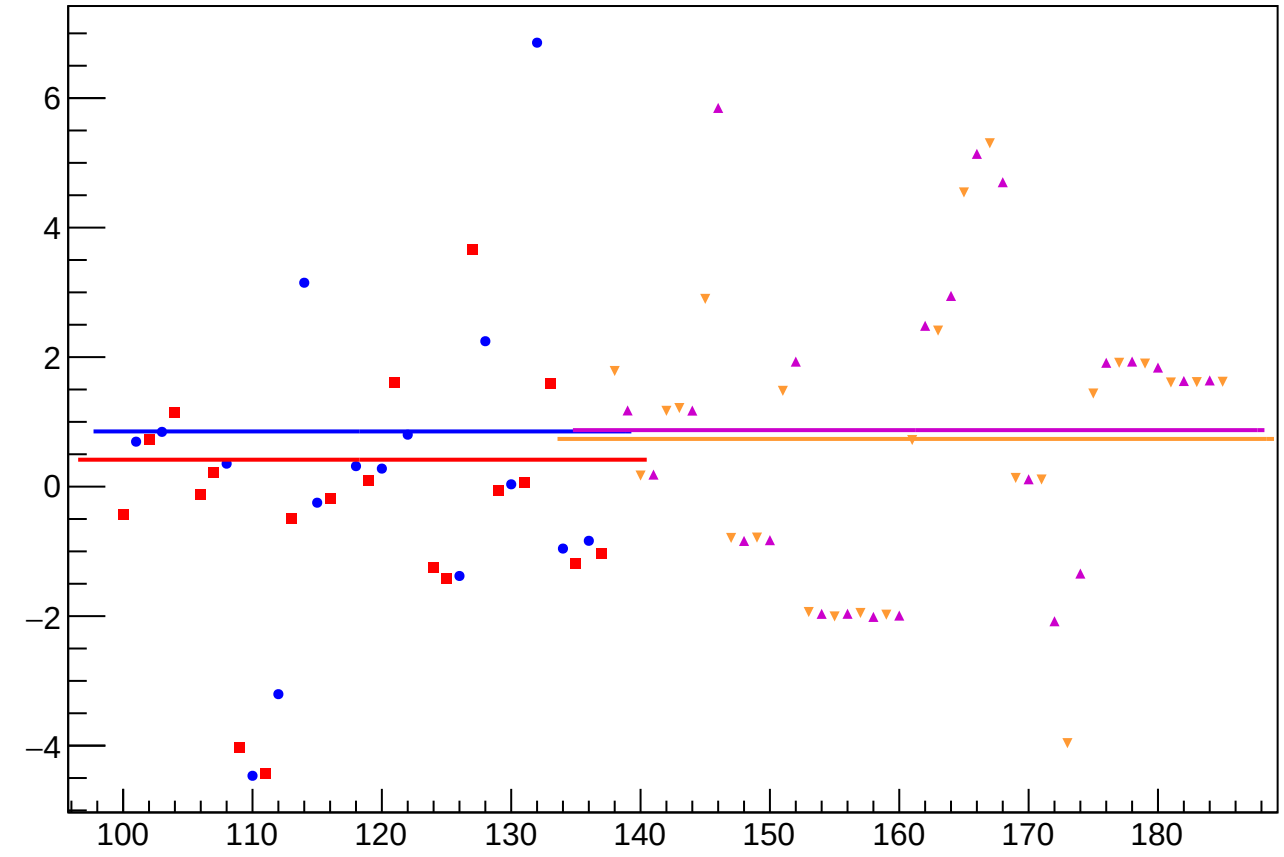
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.016+/-0.000 χ^2/NDF: 8877391.9/40

All: 0.016+/-0.000 χ^2/NDF: 17724509.7/82

- sign 0.016+/-0.000 χ^2/NDF: 8829465.2/41



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

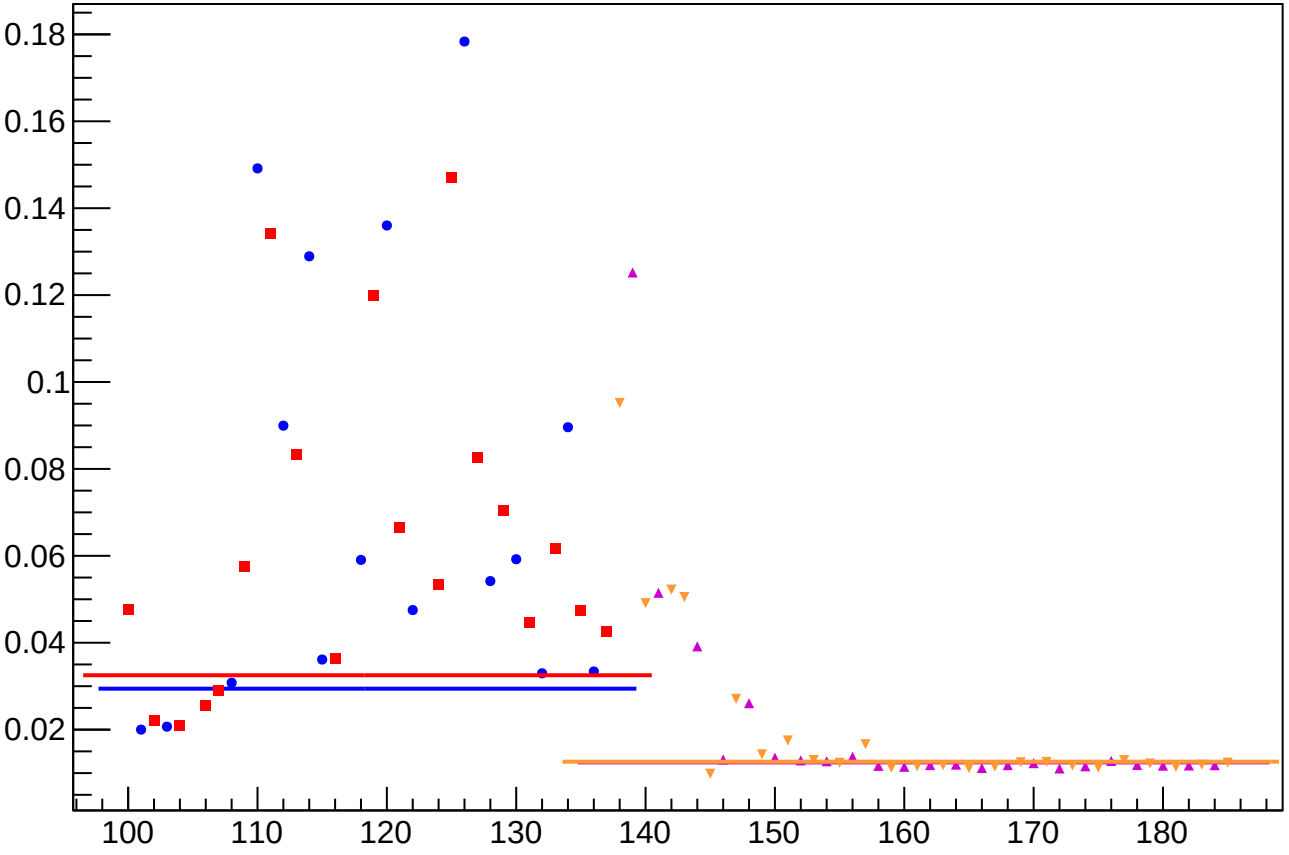
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.741+/-0.000 χ^2/NDF: 547593345850.1/40

All: 0.798+/-0.000 χ^2/NDF: 1174328021212.

- sign 0.855+/-0.000 χ^2/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:3191407.4/24

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

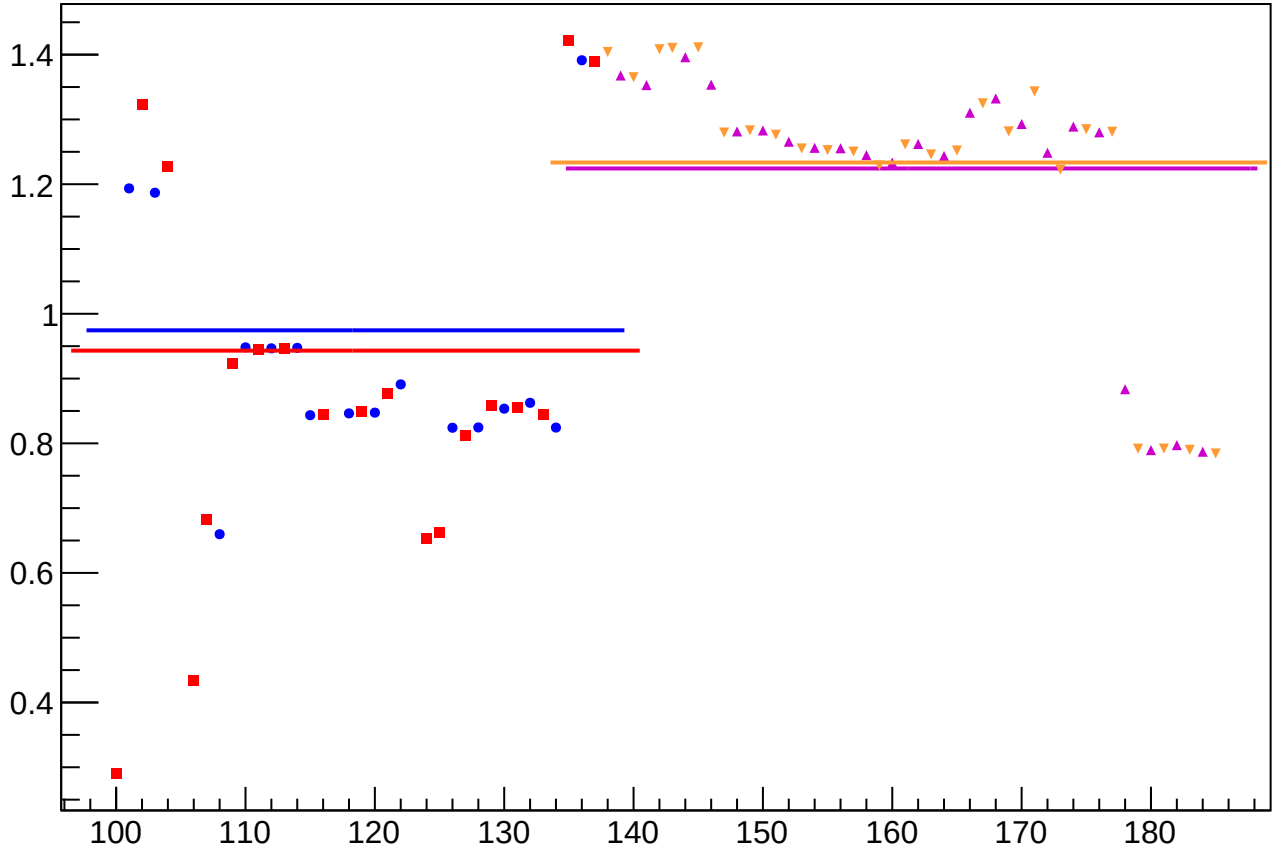
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.013+/-0.000 χ^2/NDF: 8690595.0/40

All: 0.013+/-0.000 χ^2/NDF: 17784566.3/82

- 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: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

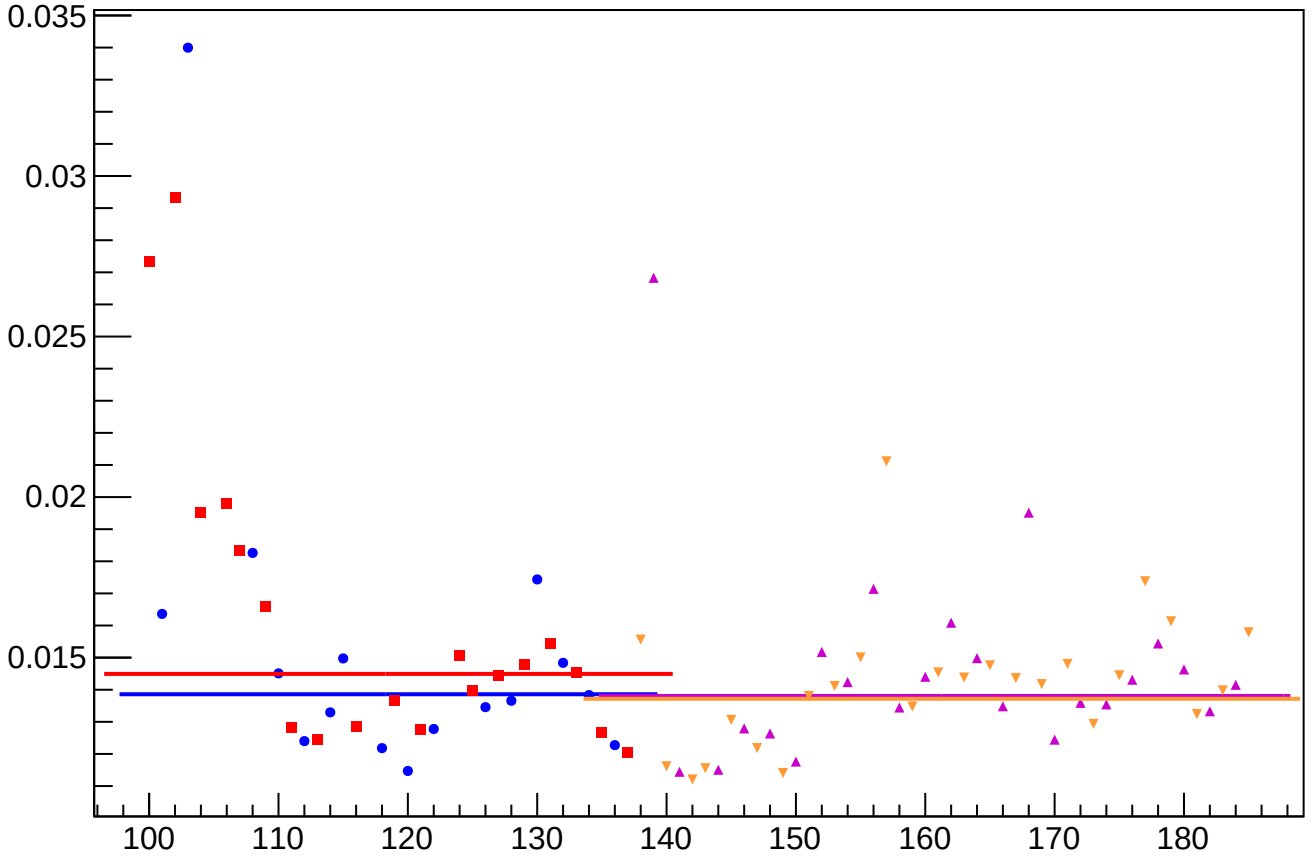
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.165+/-0.000 χ^2/NDF: 6100808578.5/40

All: 1.158+/-0.000 χ^2/NDF: 12215398561.0/8

- 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:550789.3/24

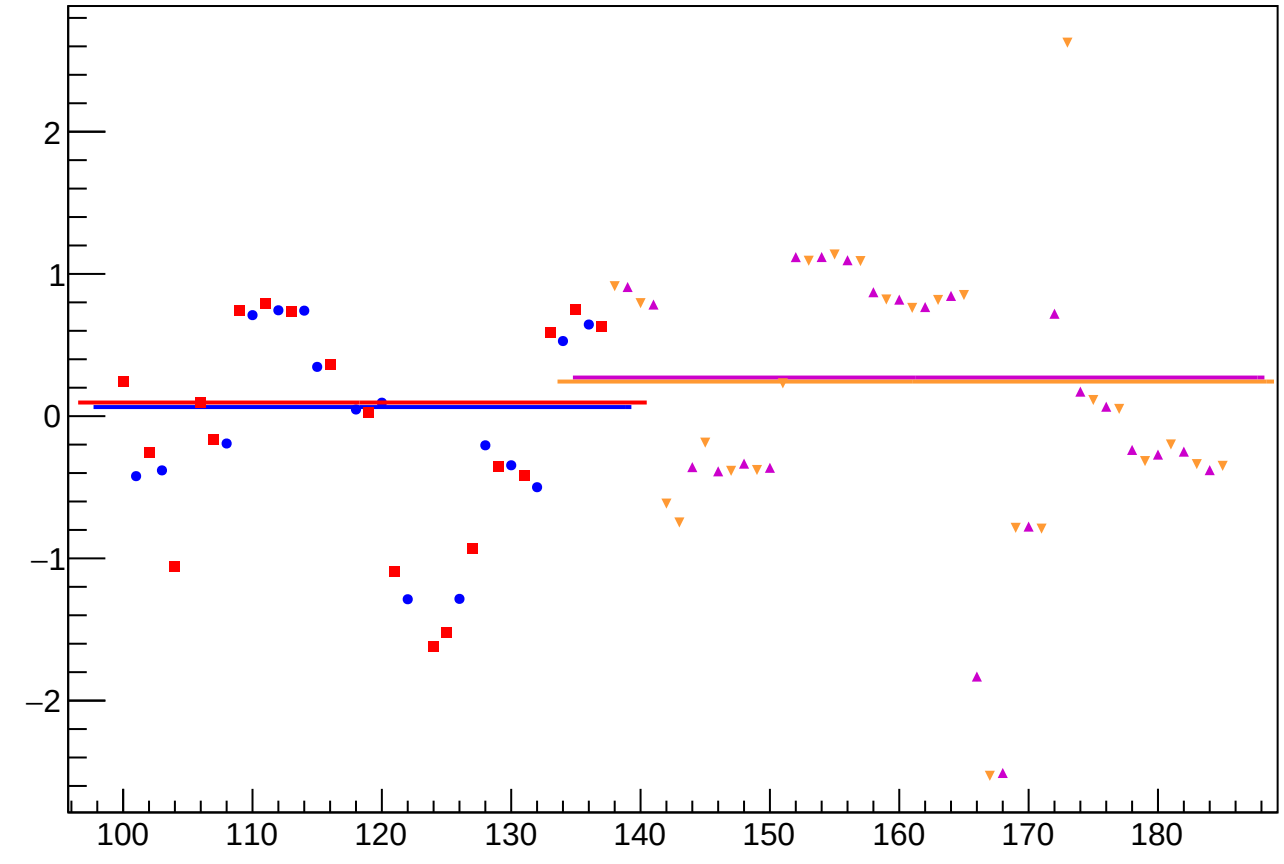
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 1151717.1/40

All: 0.014+/-0.000 χ^2/NDF: 2593802.2/82

- sign 0.014+/-0.000 χ^2/NDF: 1435732.5/41



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

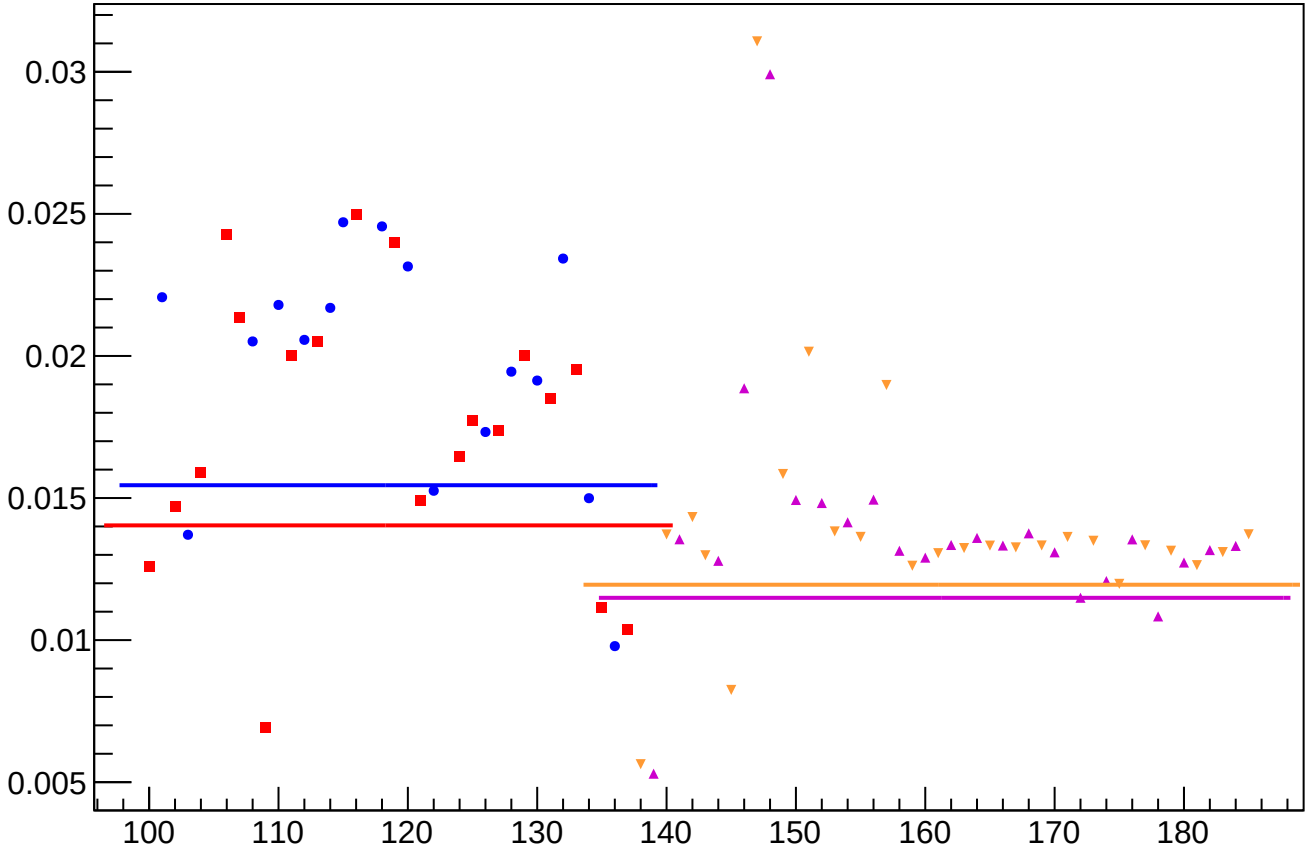
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.212+/-0.000 χ^2/NDF: 117294547969.0/40

All: 0.224+/-0.000 χ^2/NDF: 226356766602.8

- sign 0.236+/-0.000 χ^2/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:3266034.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

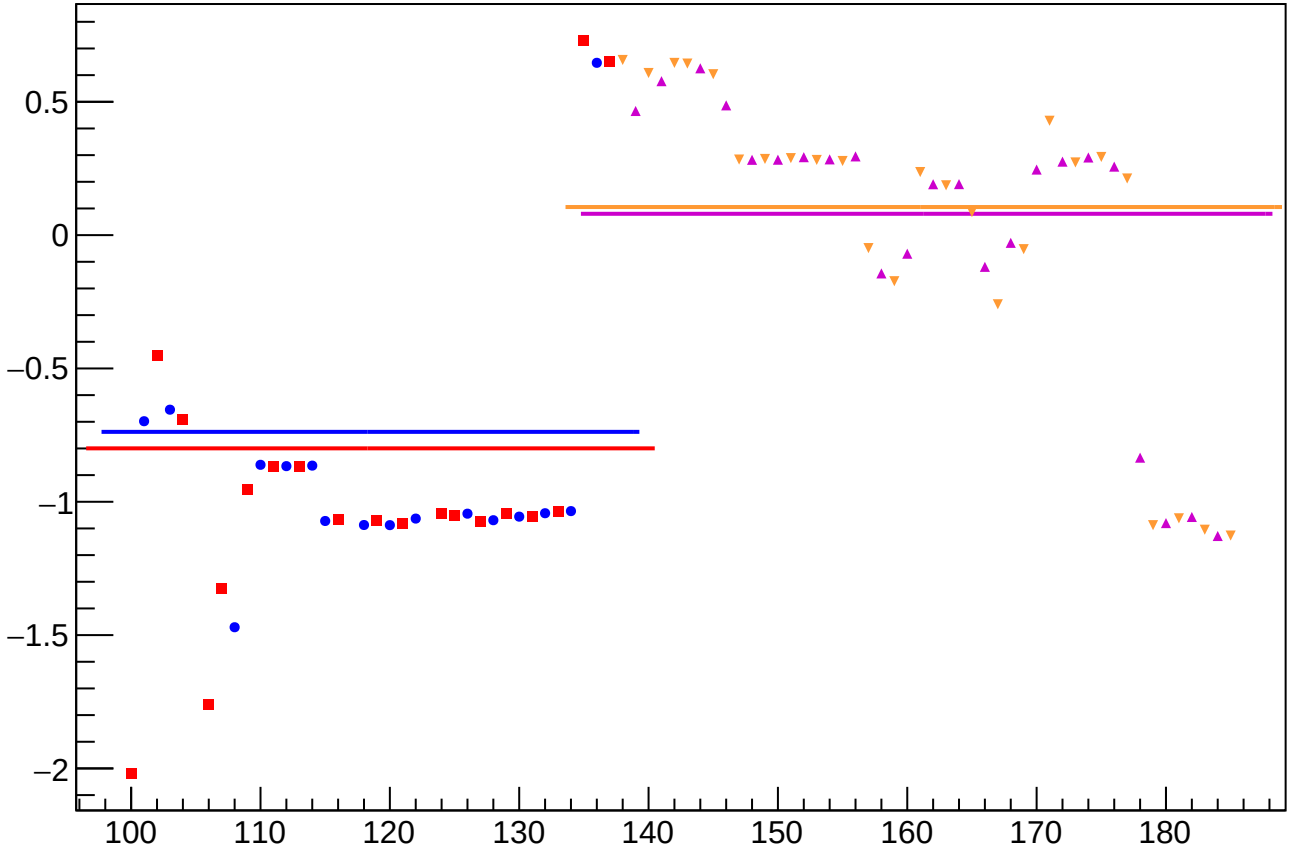
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.013+/-0.000 χ^2/NDF: 5068185.8/40

All: 0.012+/-0.000 χ^2/NDF: 10781460.1/82

- sign 0.012+/-0.000 χ^2/NDF: 5667198.9/41

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

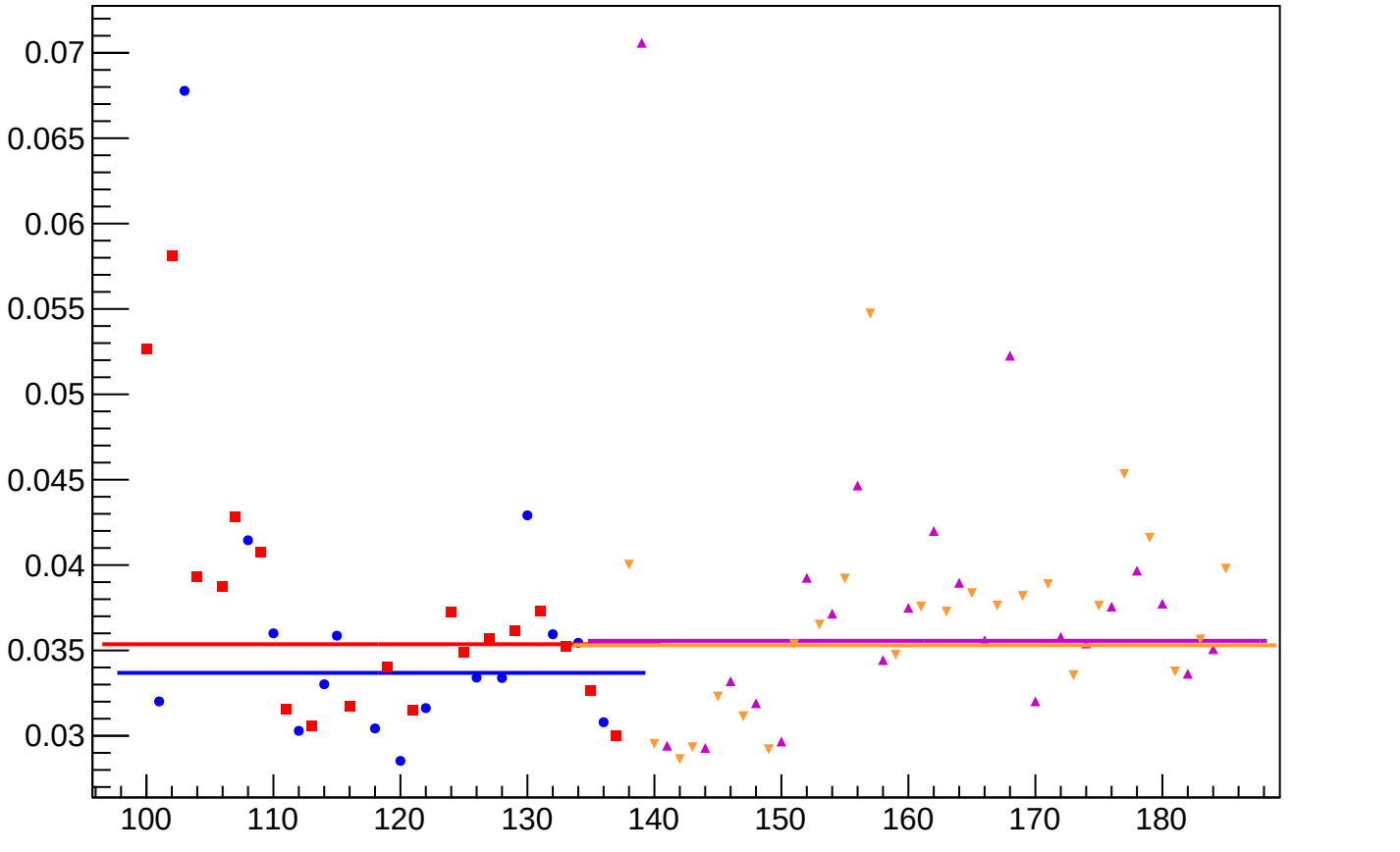
Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.141+/-0.000 χ^2/NDF: 8657314935.4/40

All: -0.157+/-0.000 χ^2/NDF: 16666405329.2/

- sign -0.174+/-0.000 χ^2/NDF: 7998599363.6/41



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

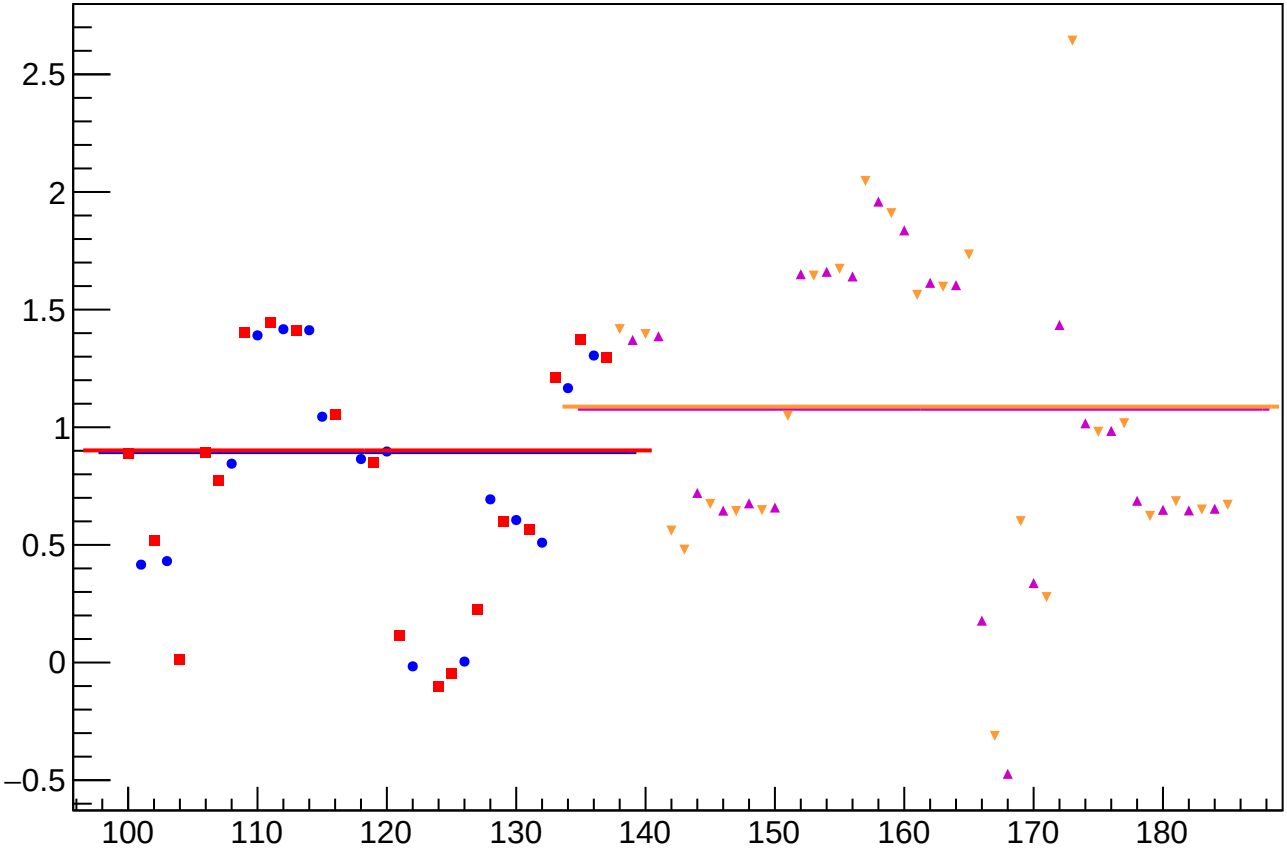
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.035+/-0.000 χ^2/NDF: 1053469.2/40

All: 0.035+/-0.000 χ^2/NDF: 2318869.5/82

- sign 0.036+/-0.000 χ^2/NDF: 1257034.4/41

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

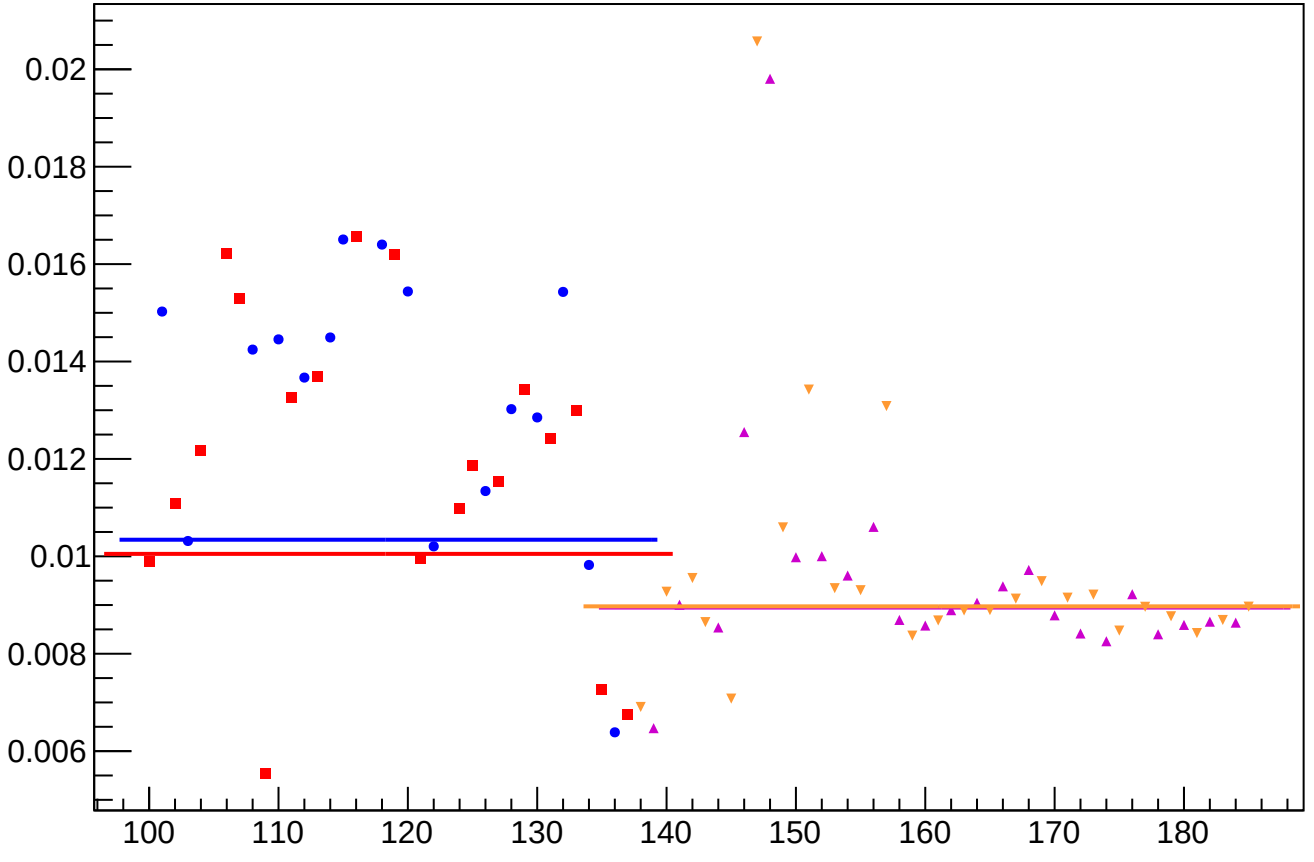
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.049+/-0.000 χ^2/NDF: 108271063439.6/40

All: 1.044+/-0.000 χ^2/NDF: 201730676512.1

- 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:1146497.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

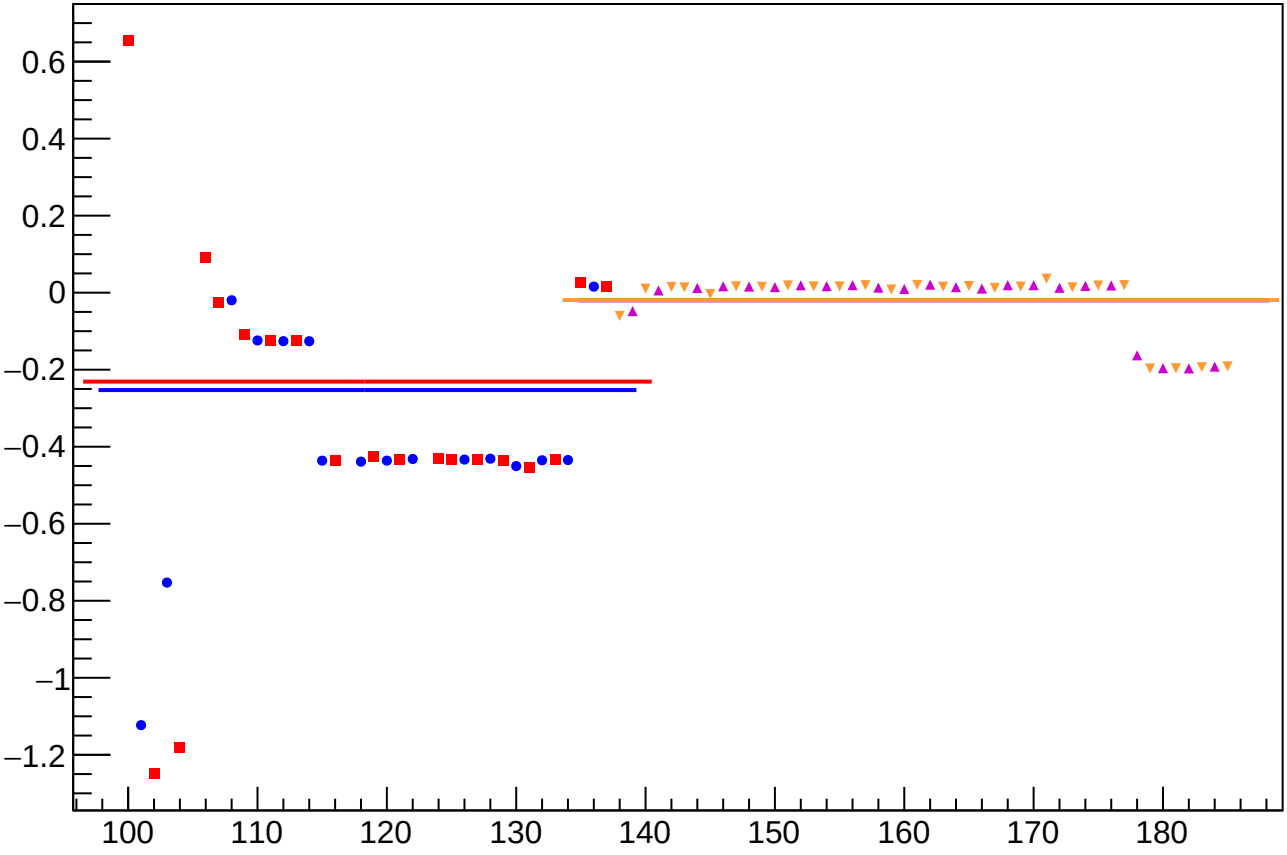
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2664111.3/40

All: 0.009+/-0.000 χ^2/NDF: 5082630.2/82

- 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: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

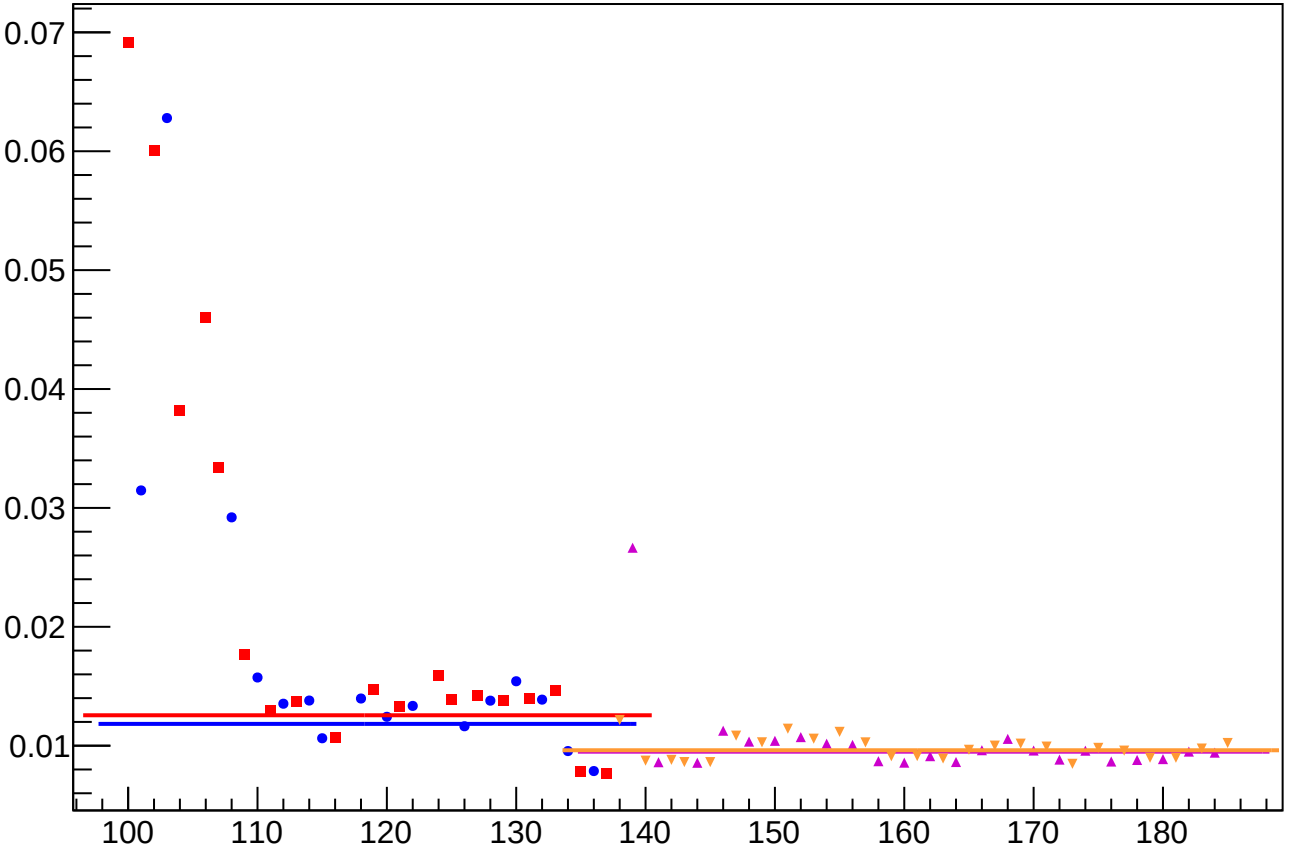
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.058+/-0.000 χ^2/NDF: 4698284563.4/40

All: -0.056+/-0.000 χ^2/NDF: 8681866079.0/8

- 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:271912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

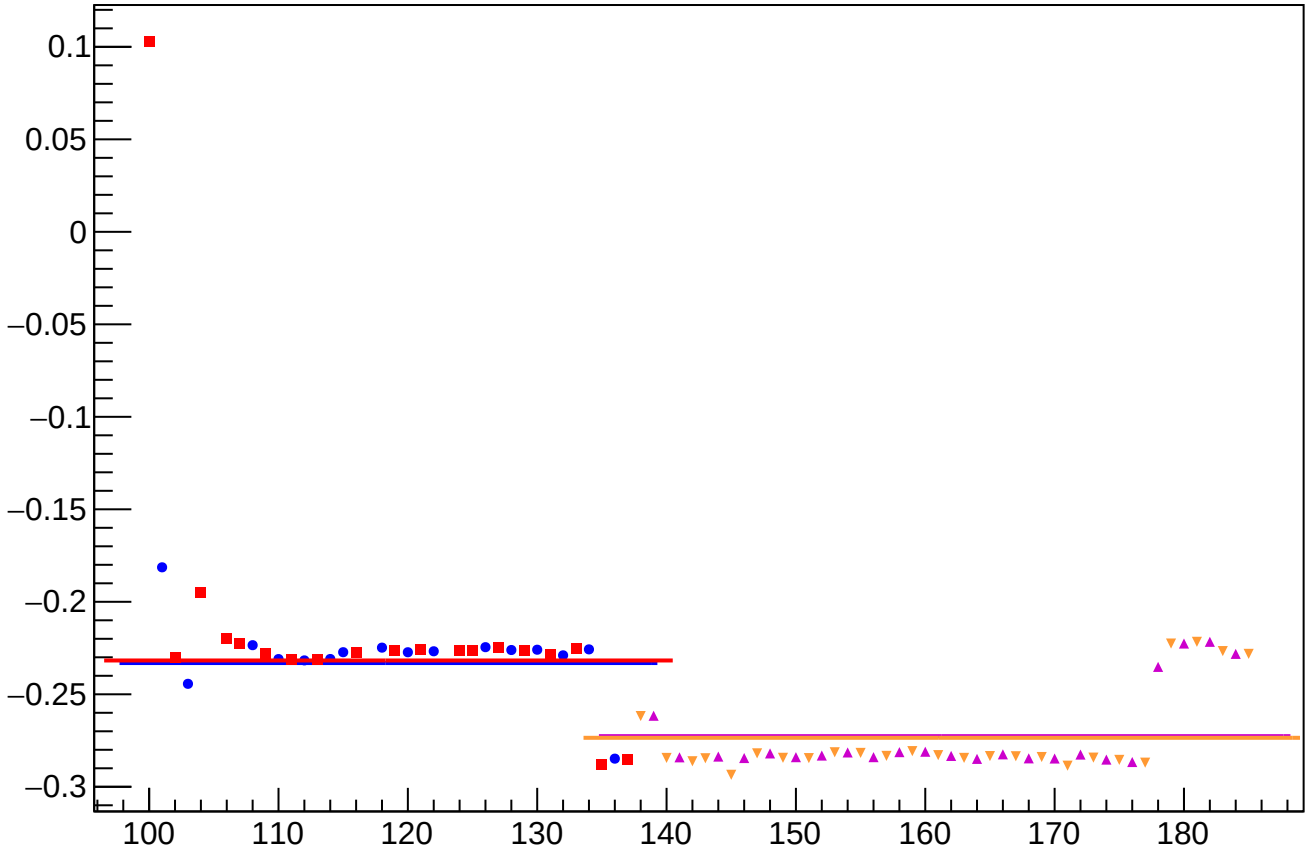
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 2505579.7/40

All: 0.010+/-0.000 χ^2/NDF: 6124521.5/82

- 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:395563277.1/24

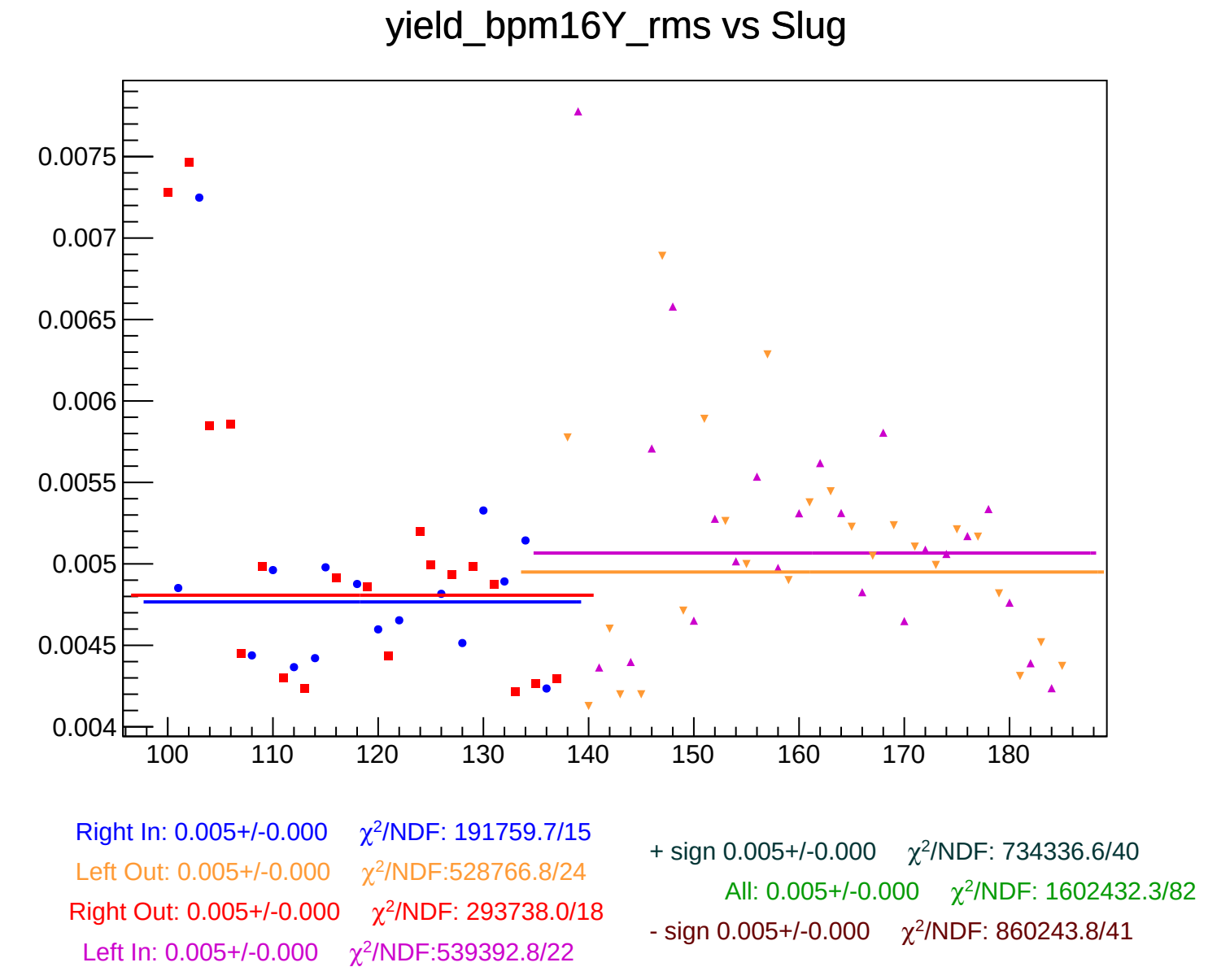
Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

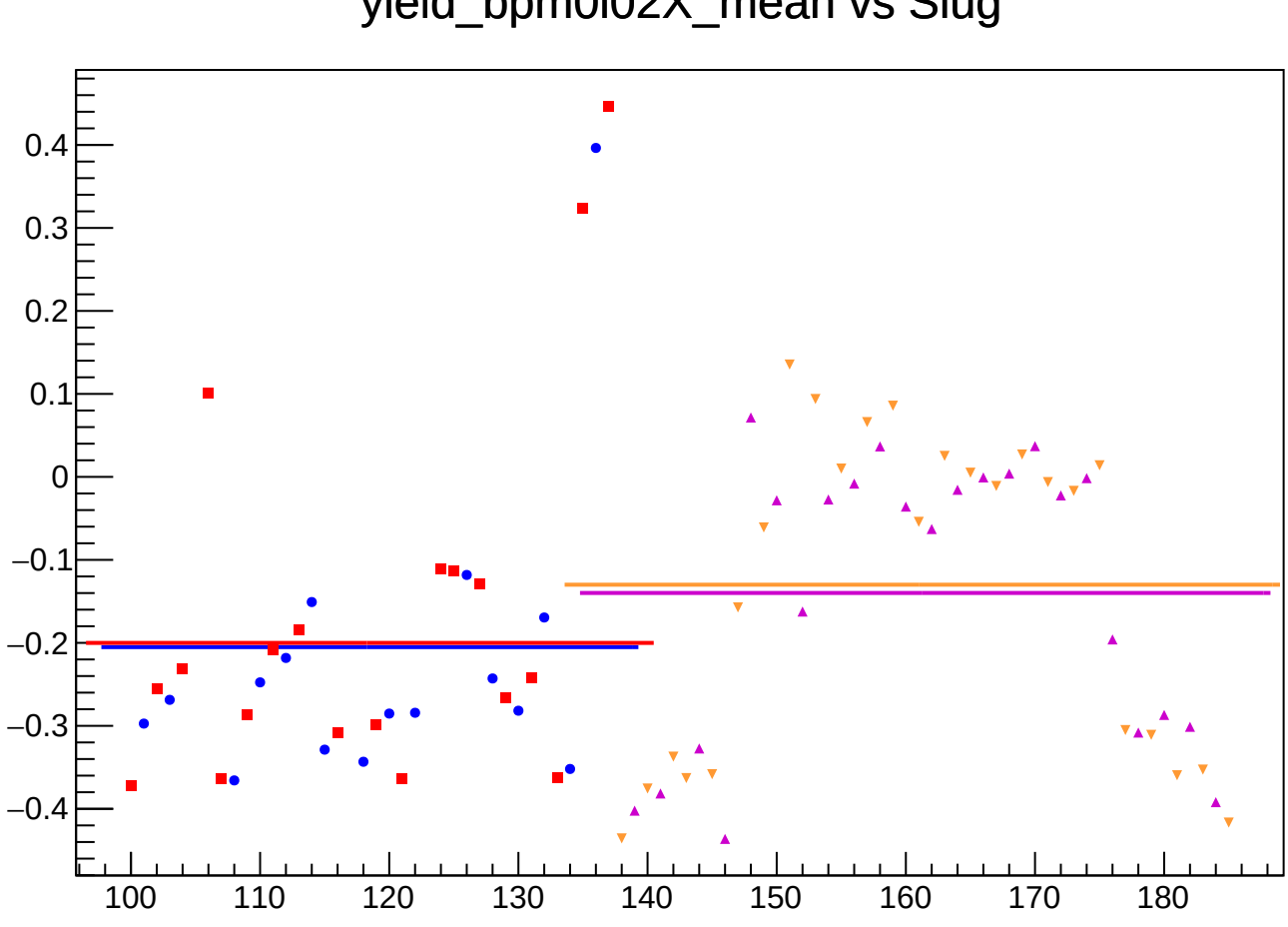
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.262+/-0.000 χ^2/NDF: 929095205.4/40

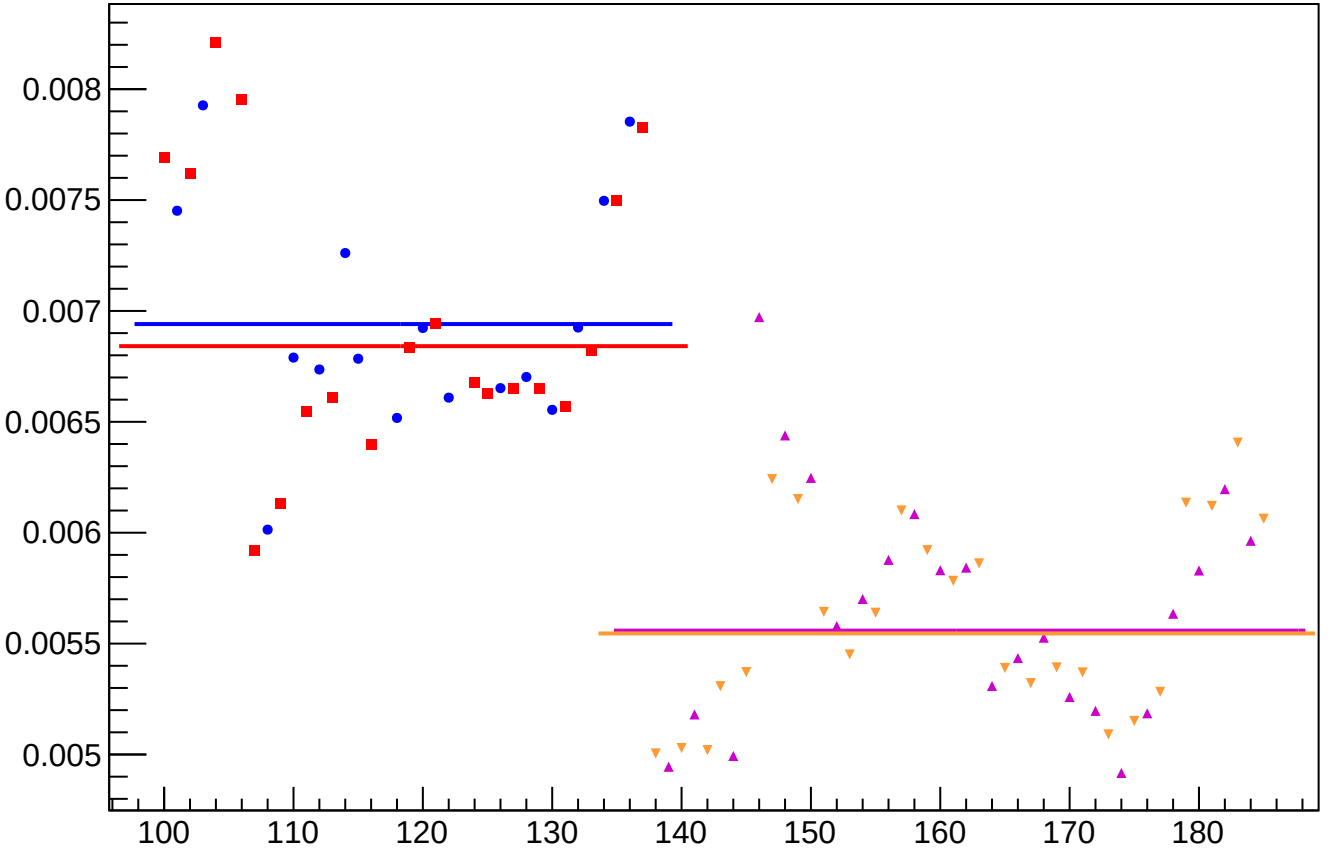
All: -0.261+/-0.000 χ^2/NDF: 1892041221.8/8

- sign -0.260+/-0.000 χ^2/NDF: 960832841.3/41


yield_bpm16Y_rms vs Slug
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 191759.7/15
Left Out: 0.005+/-0.000 χ²/NDF:528766.8/24
Right Out: 0.005+/-0.000 χ²/NDF: 293738.0/18
Left In: 0.005+/-0.000 χ²/NDF:539392.8/22
+ sign 0.005+/-0.000 χ²/NDF: 734336.6/40
All: 0.005+/-0.000 χ²/NDF: 1602432.3/82
- sign 0.005+/-0.000 χ²/NDF: 860243.8/41


yield_bpm0i02X_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: -0.205+/-0.000 χ²/NDF: 6189271855.3/15
Left Out: -0.130+/-0.000 χ²/NDF:21496239338.5/24
Right Out: -0.200+/-0.000 χ²/NDF: 5249978819.5/18
Left In: -0.140+/-0.000 χ²/NDF:15148699439.4/22
+ sign -0.145+/-0.000 χ²/NDF: 28348803947.9/40
All: -0.149+/-0.000 χ²/NDF: 49209388359.5/
- sign -0.153+/-0.000 χ²/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:201874.8/24

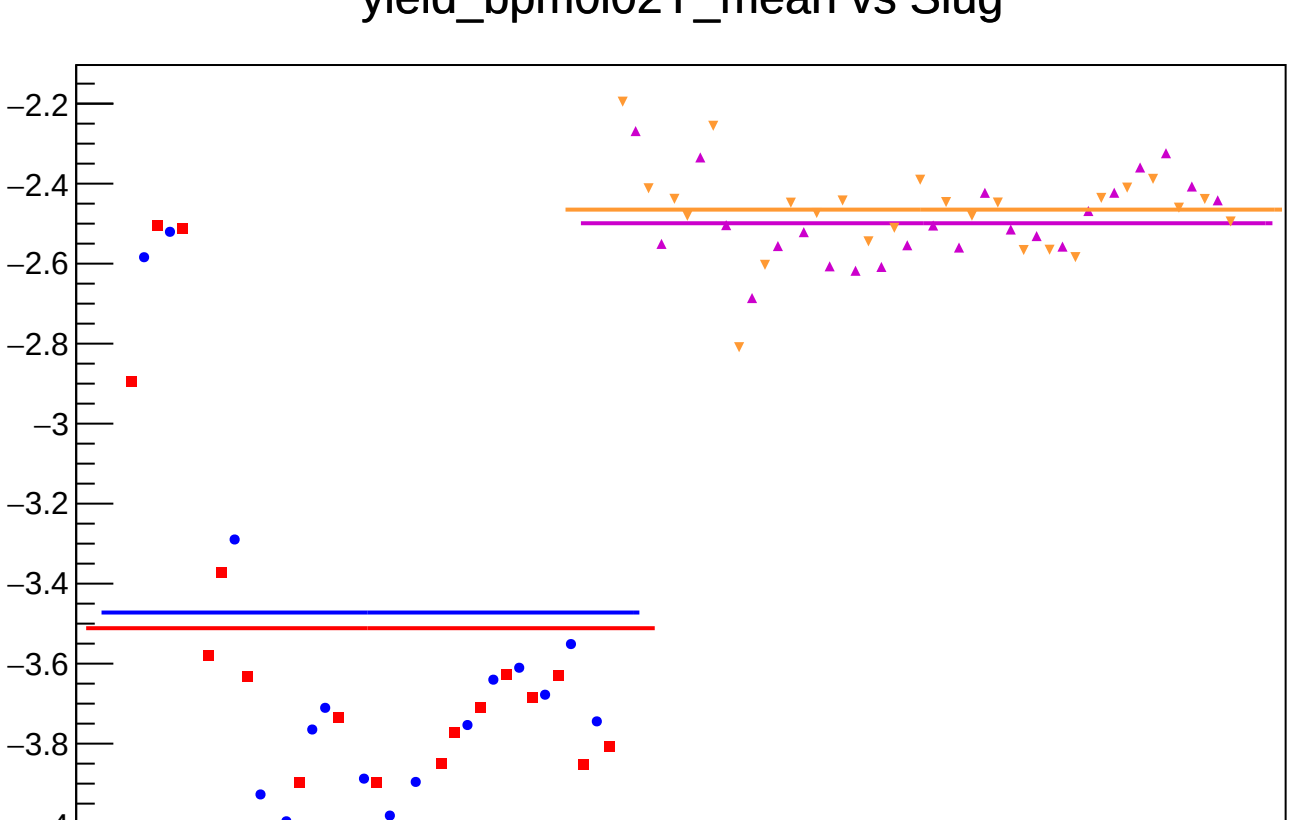
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 743701.0/40

All: 0.006+/-0.000 χ^2/NDF: 1502335.1/82

- 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:2167098053.0/24

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

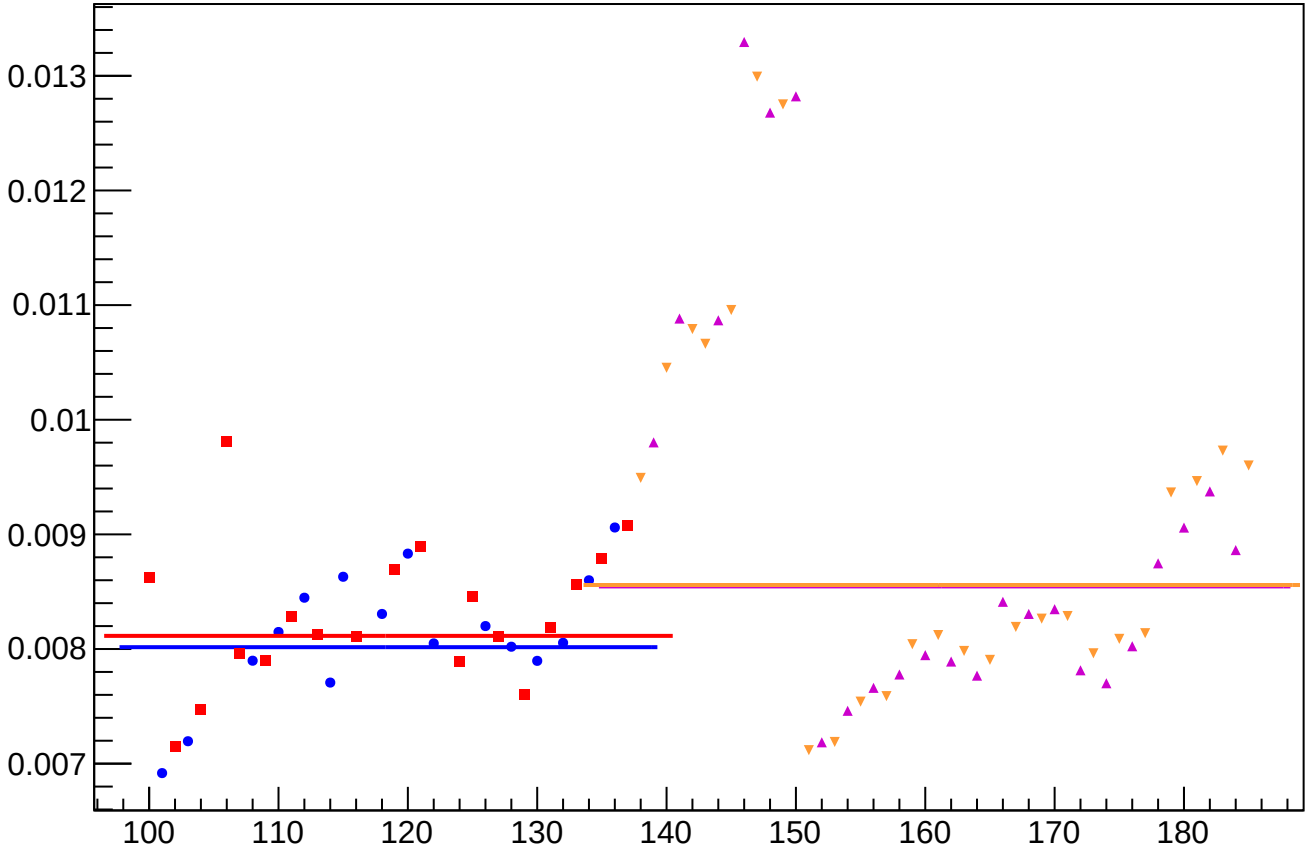
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.773+/-0.000 χ^2/NDF: 108346039293.0/40

All: -2.795+/-0.000 χ^2/NDF: 216459157395.4

- 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:824029.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

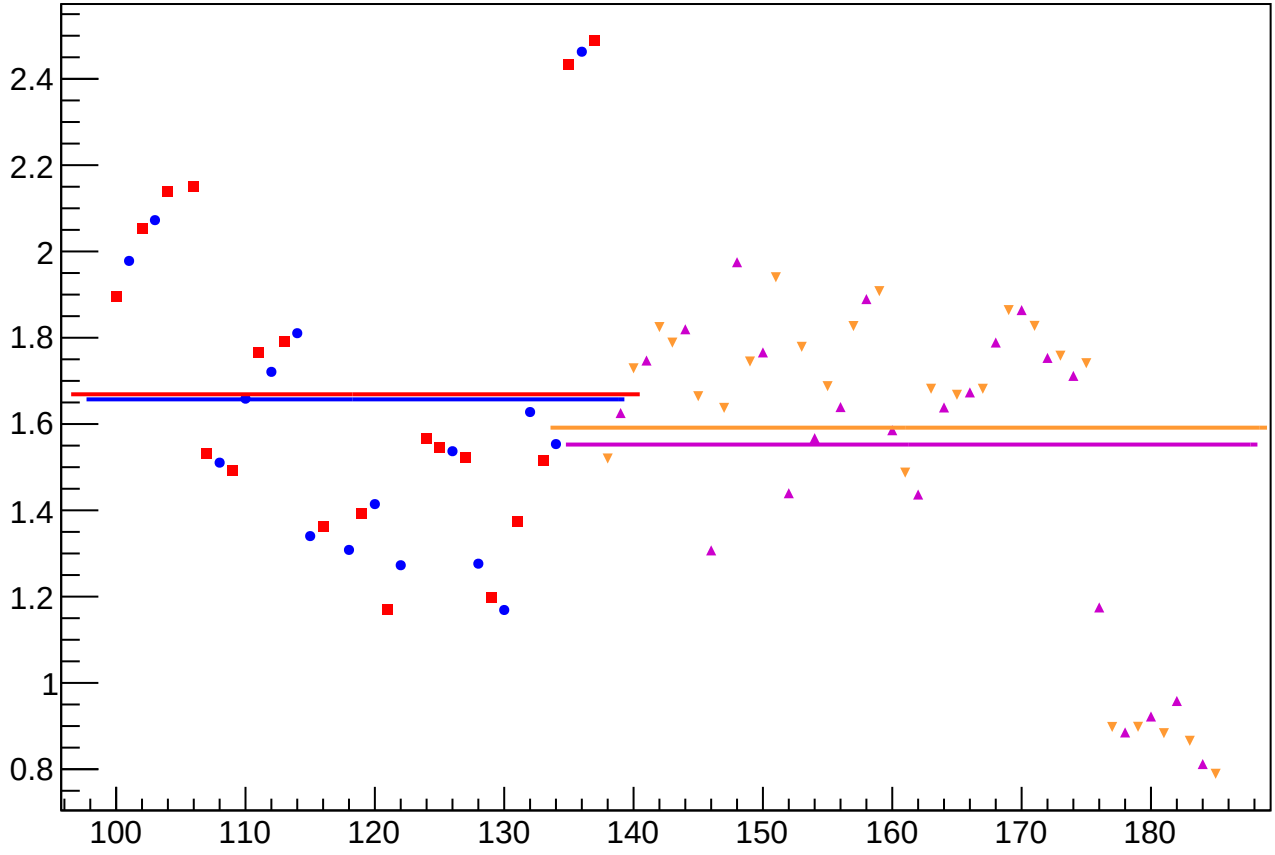
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 954653.6/40

All: 0.008+/-0.000 χ^2/NDF: 1964077.9/82

- 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: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

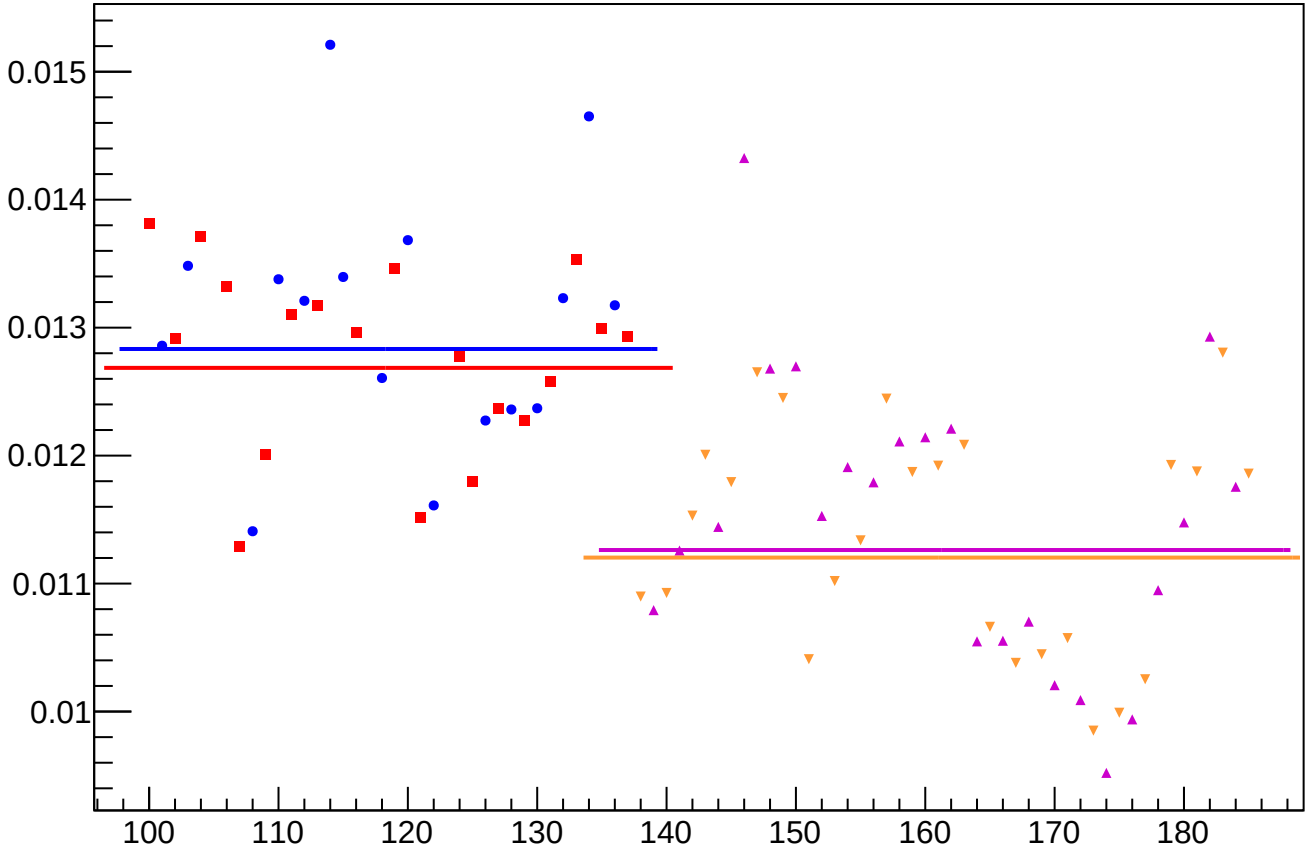
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.606+/-0.000 χ^2/NDF: 23887133122.2/40

All: 1.594+/-0.000 χ^2/NDF: 44817208112.2/8

- 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:223594.3/24

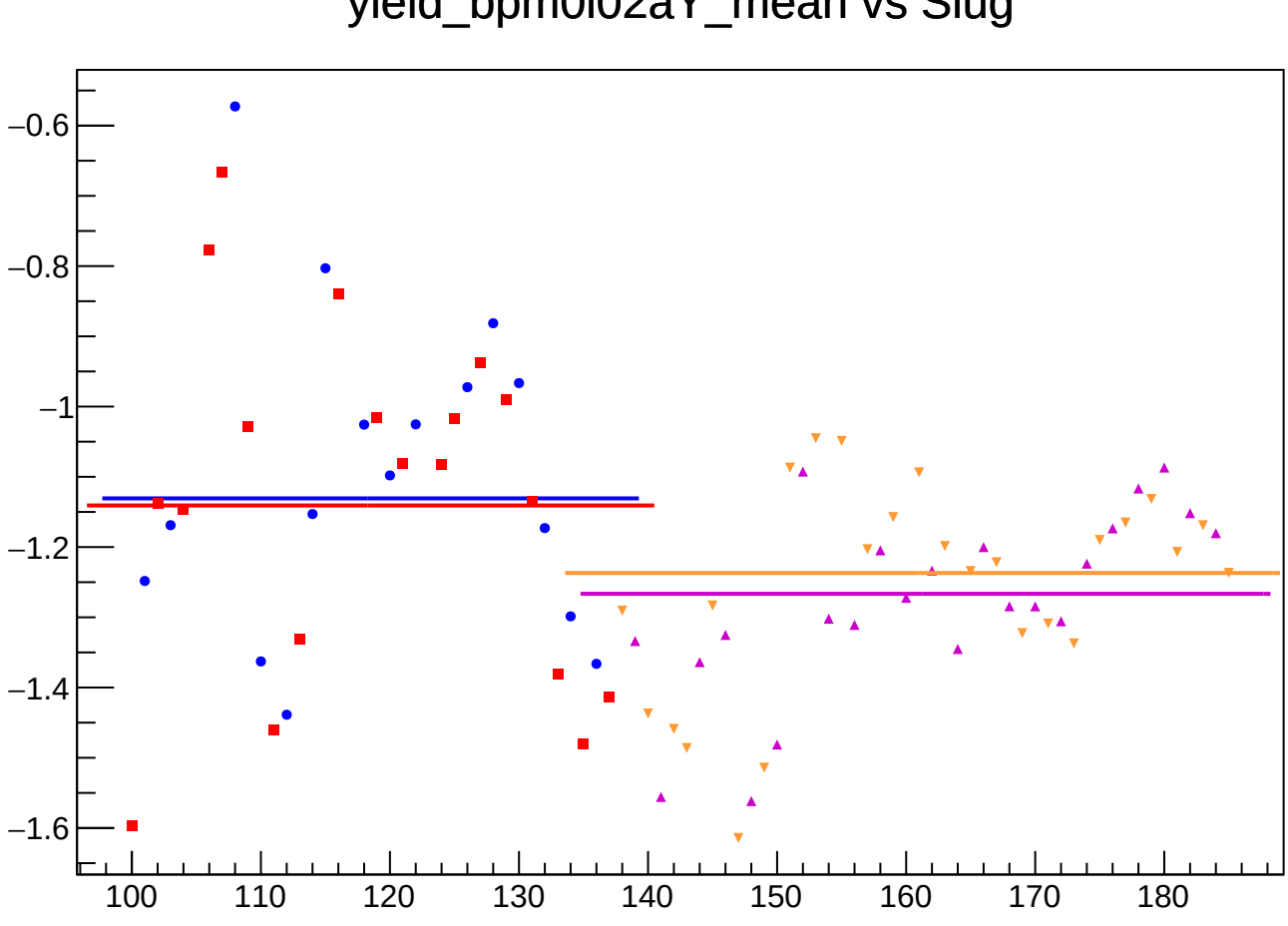
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 451700.2/40

All: 0.012+/-0.000 χ^2/NDF: 943781.4/82

- 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:4972272024.7/24

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

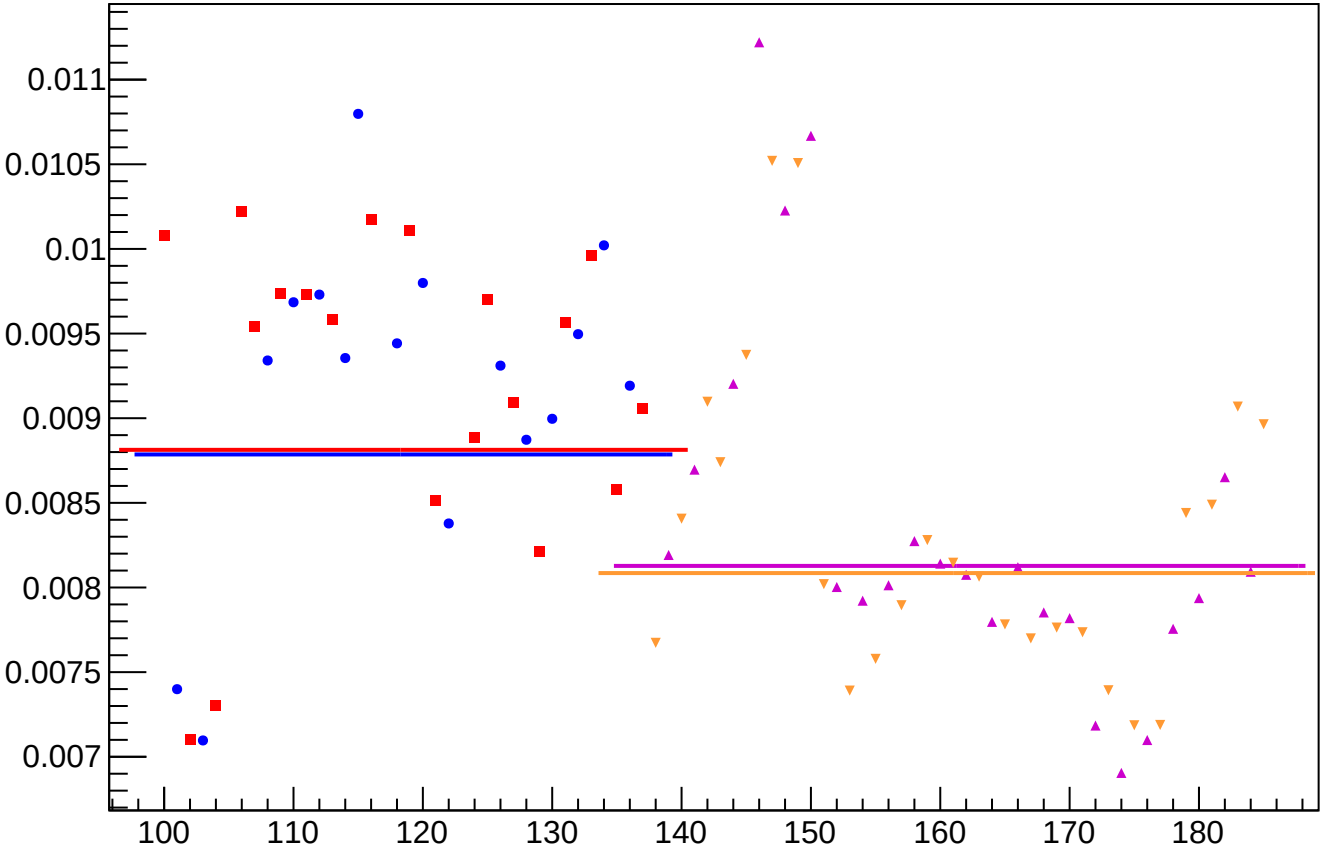
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.211+/-0.000 χ^2/NDF: 9519355609.8/40

All: -1.222+/-0.000 χ^2/NDF: 17884809507.1/

- 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:326825.0/24

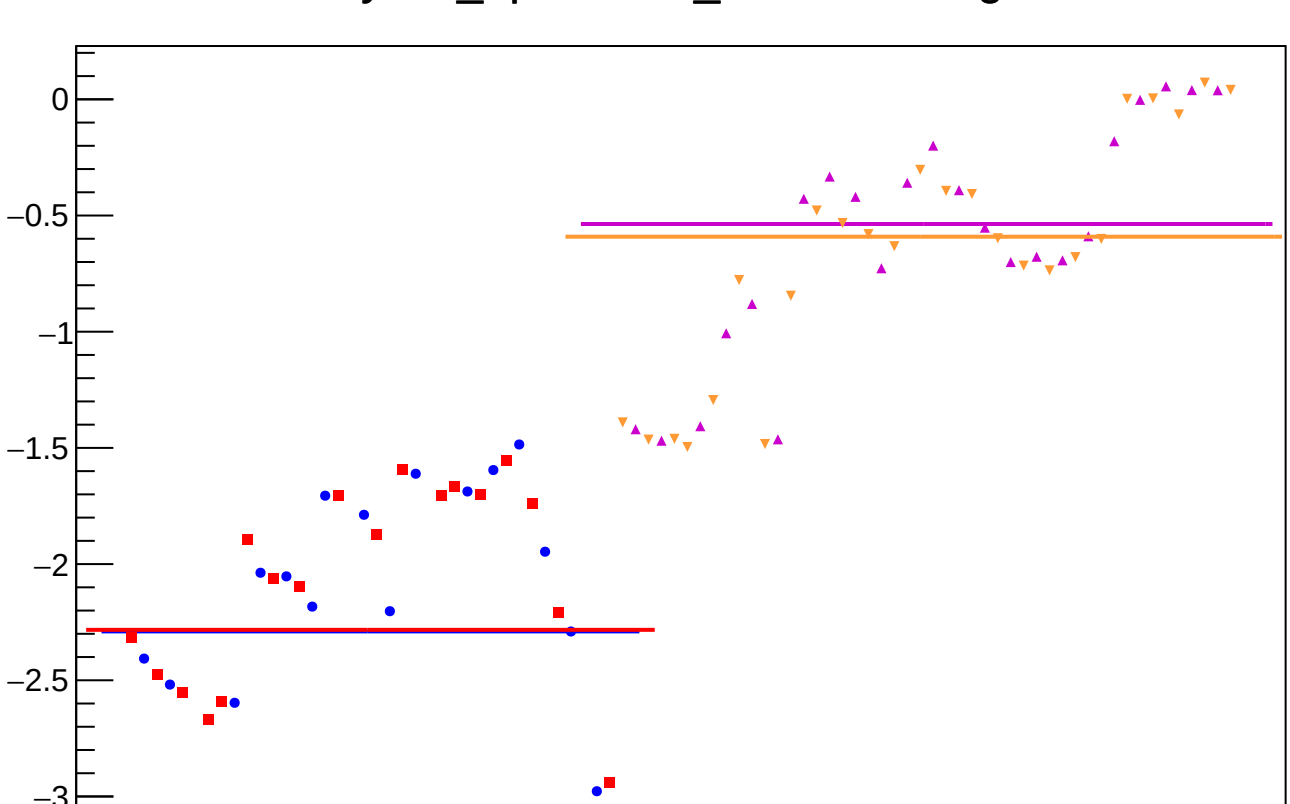
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 566244.0/40

All: 0.008+/-0.000 χ^2/NDF: 1242985.3/82

- 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: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

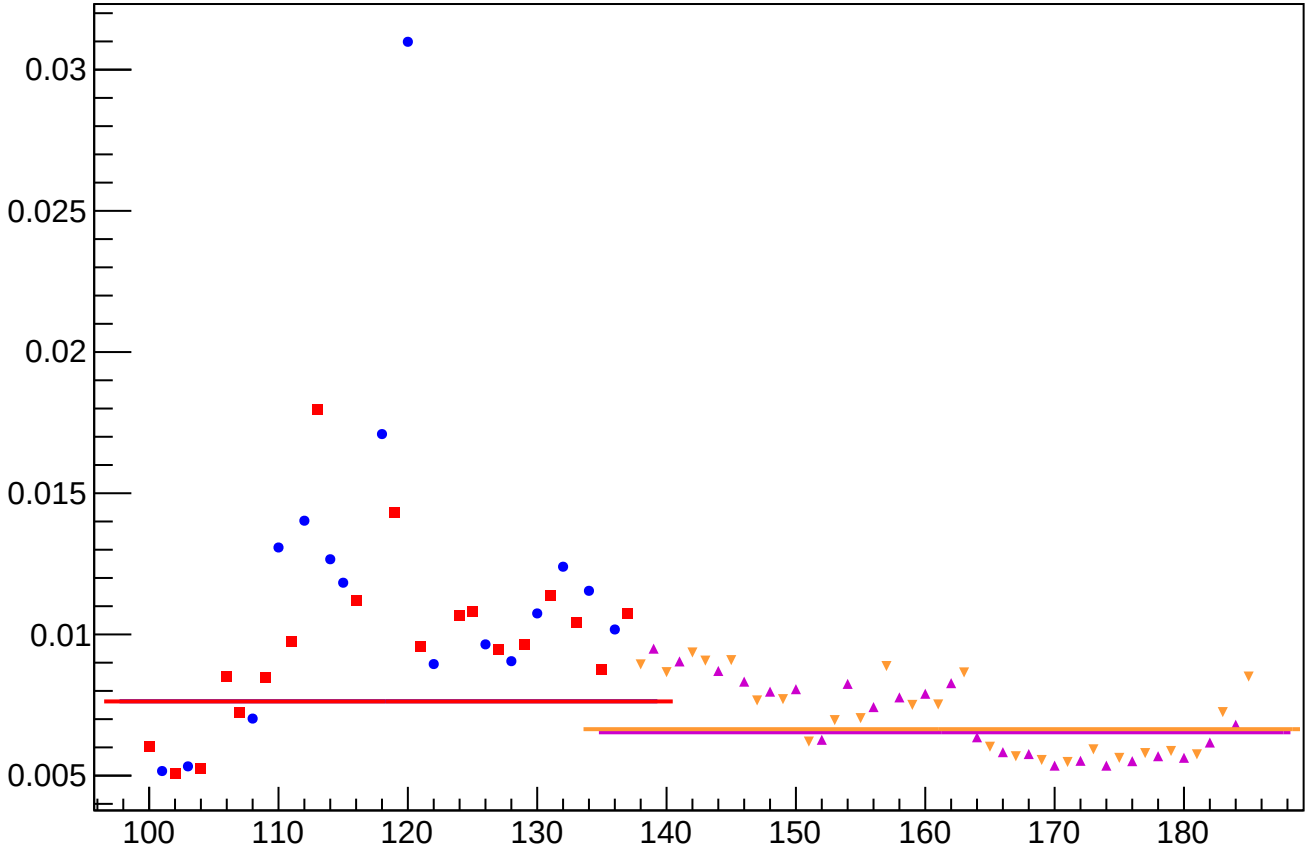
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.909+/-0.000 χ^2/NDF: 292526552767.4/40

All: -0.901+/-0.000 χ^2/NDF: 611043334040.6

- 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:1091920.0/24

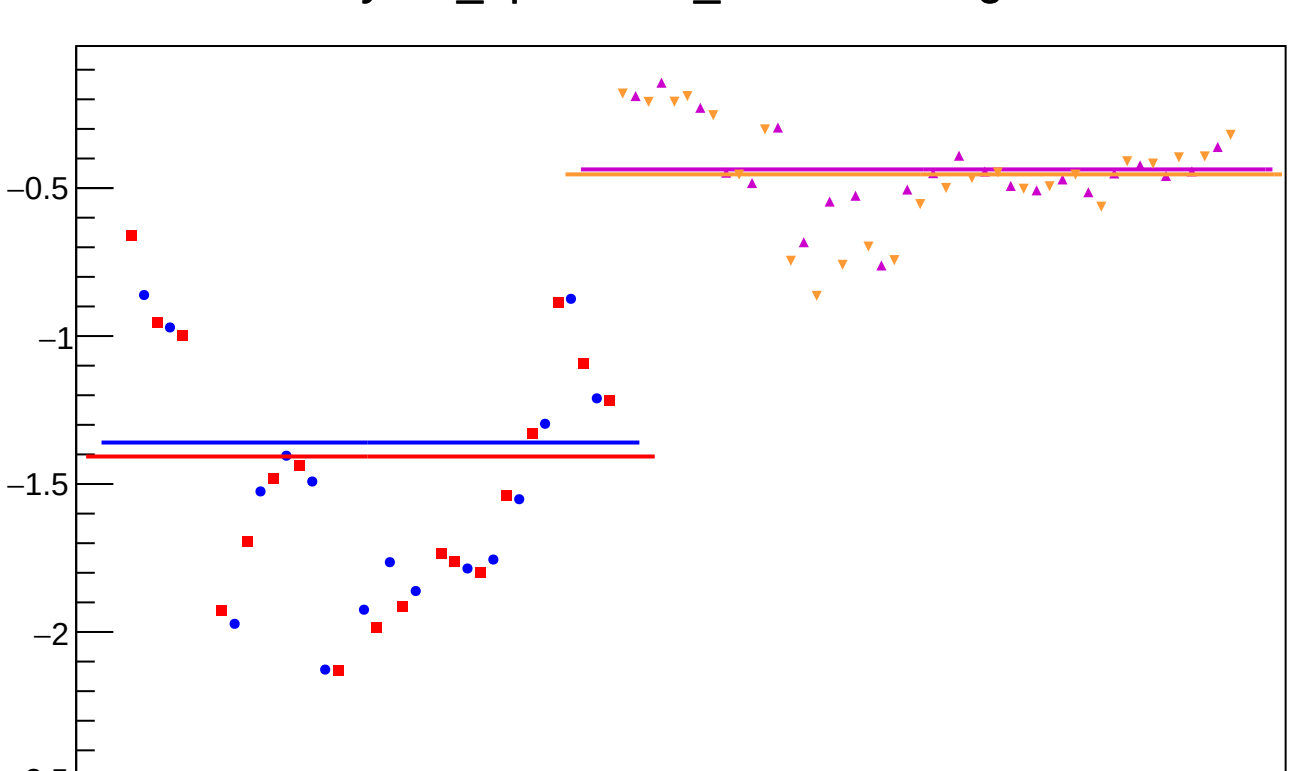
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2941168.3/40

All: 0.007+/-0.000 χ^2/NDF: 5593581.0/82

- 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: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

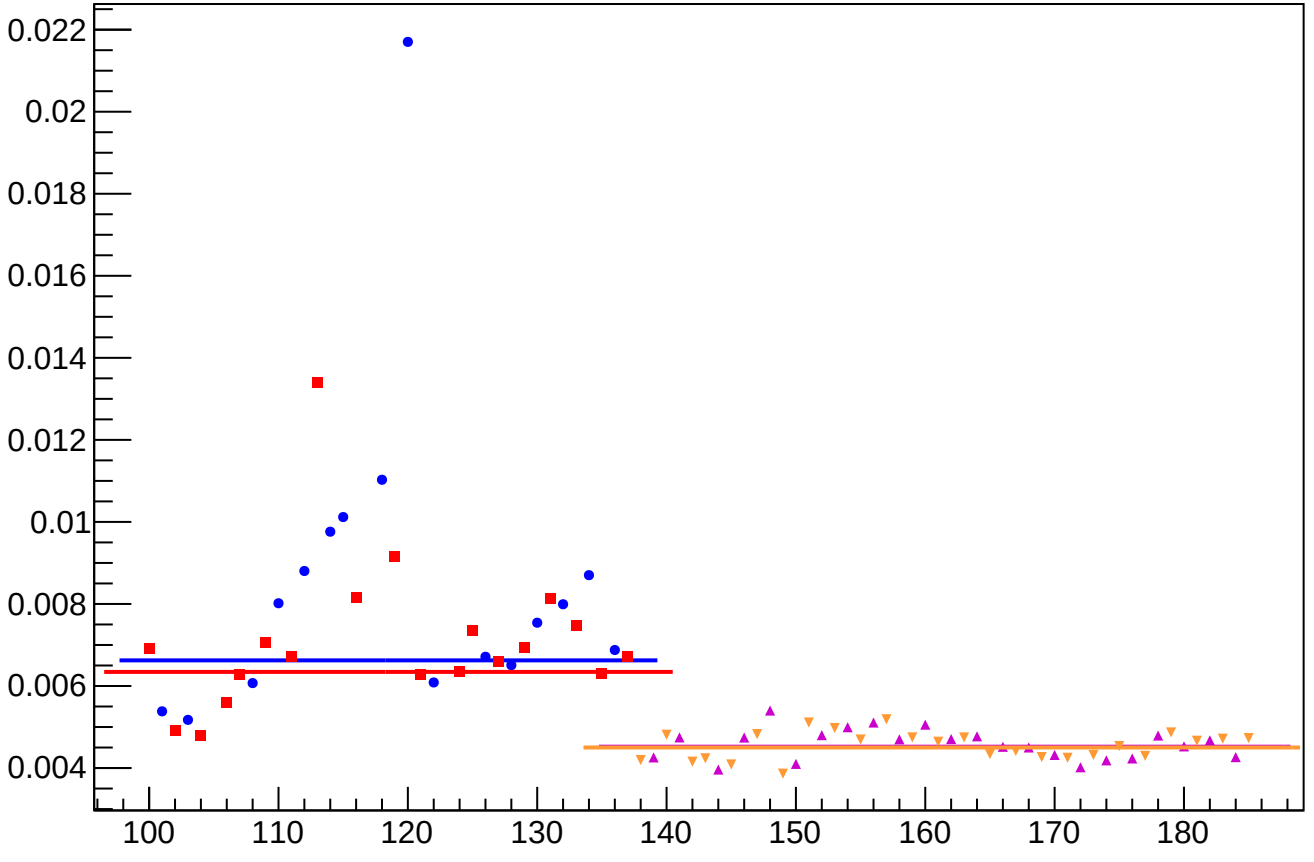
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.573+/-0.000 χ^2/NDF: 144639035269.1/40

All: -0.581+/-0.000 χ^2/NDF: 311777472263.2

- 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: 0.005+/-0.000 χ^2/NDF:189230.5/24

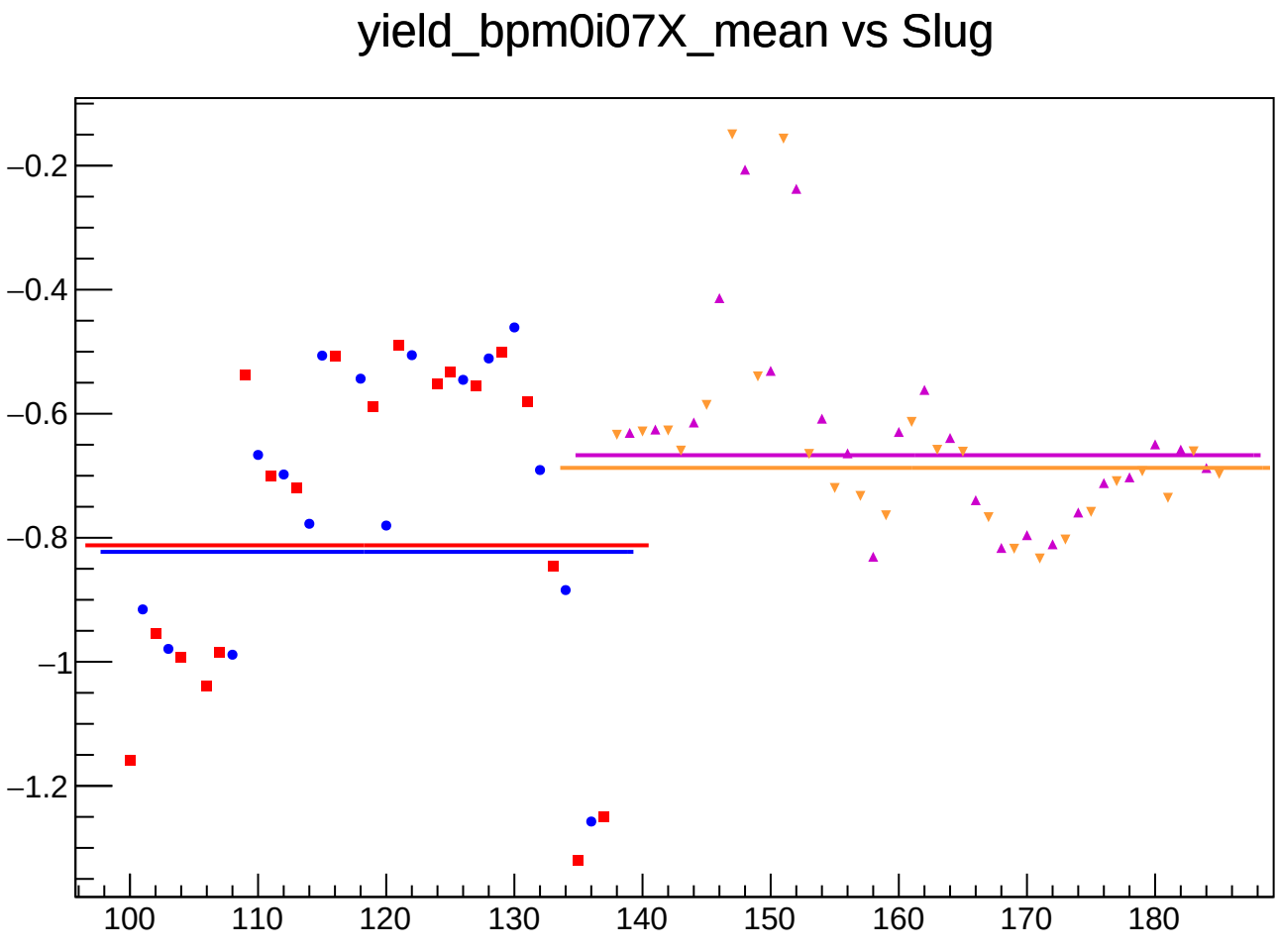
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 1916374.0/40

All: 0.005+/-0.000 χ^2/NDF: 3510096.9/82

- 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:22462821855.7/24

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

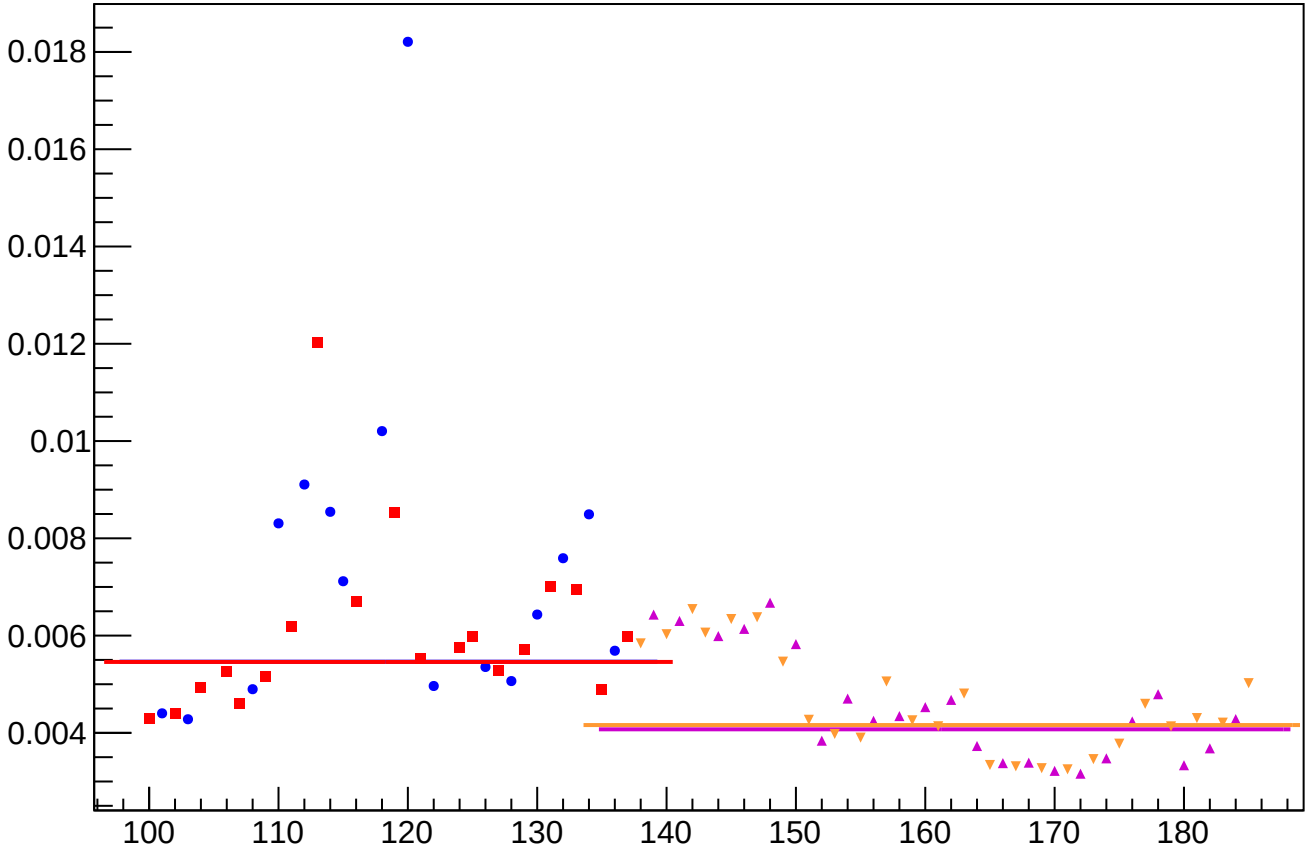
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 37532353448.9/40

All: -0.701+/-0.000 χ^2/NDF: 78563498682.9/

- 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:1520055.0/24

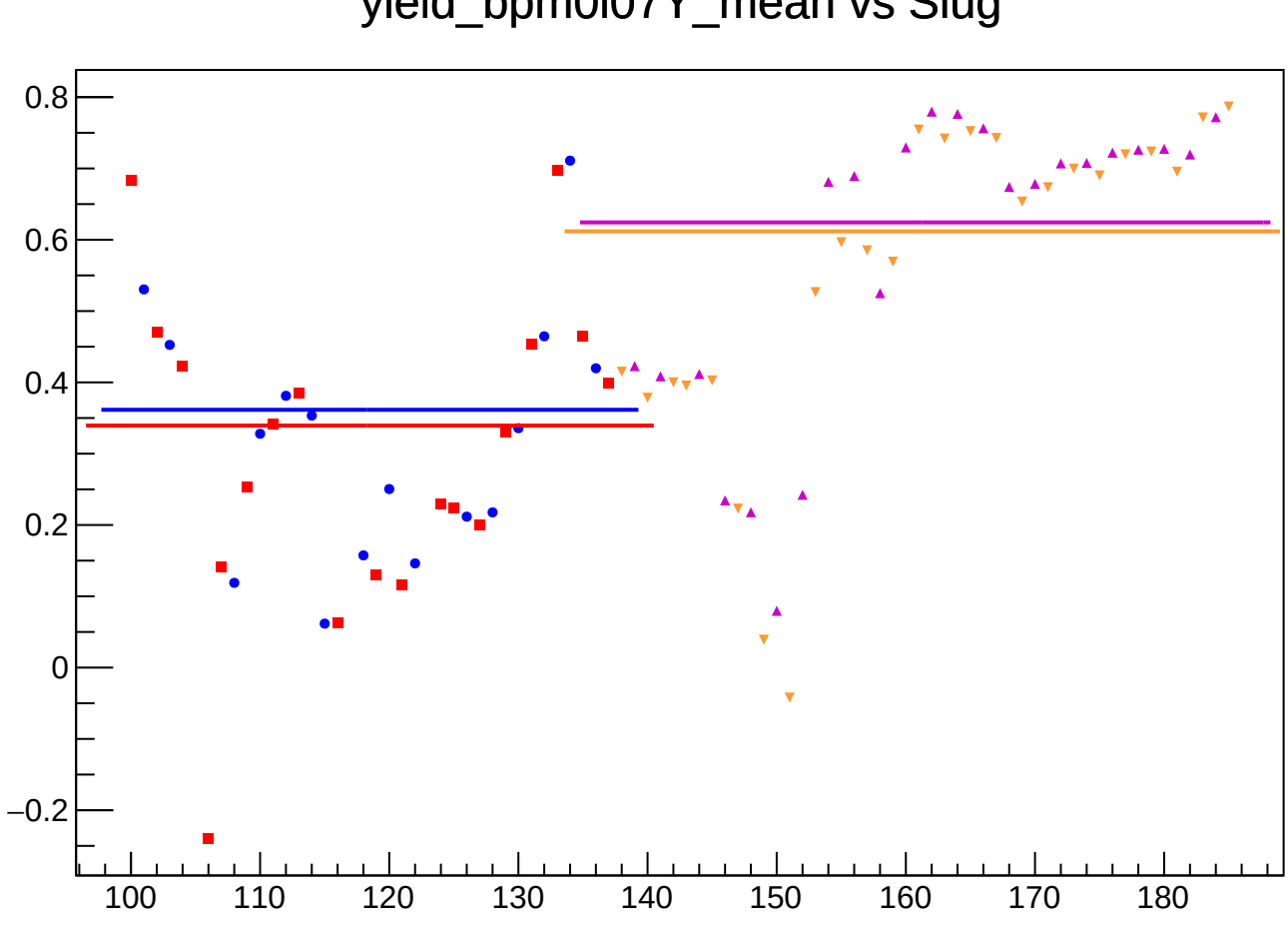
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 3007670.3/40

All: 0.004+/-0.000 χ^2/NDF: 5908228.4/82

- 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: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

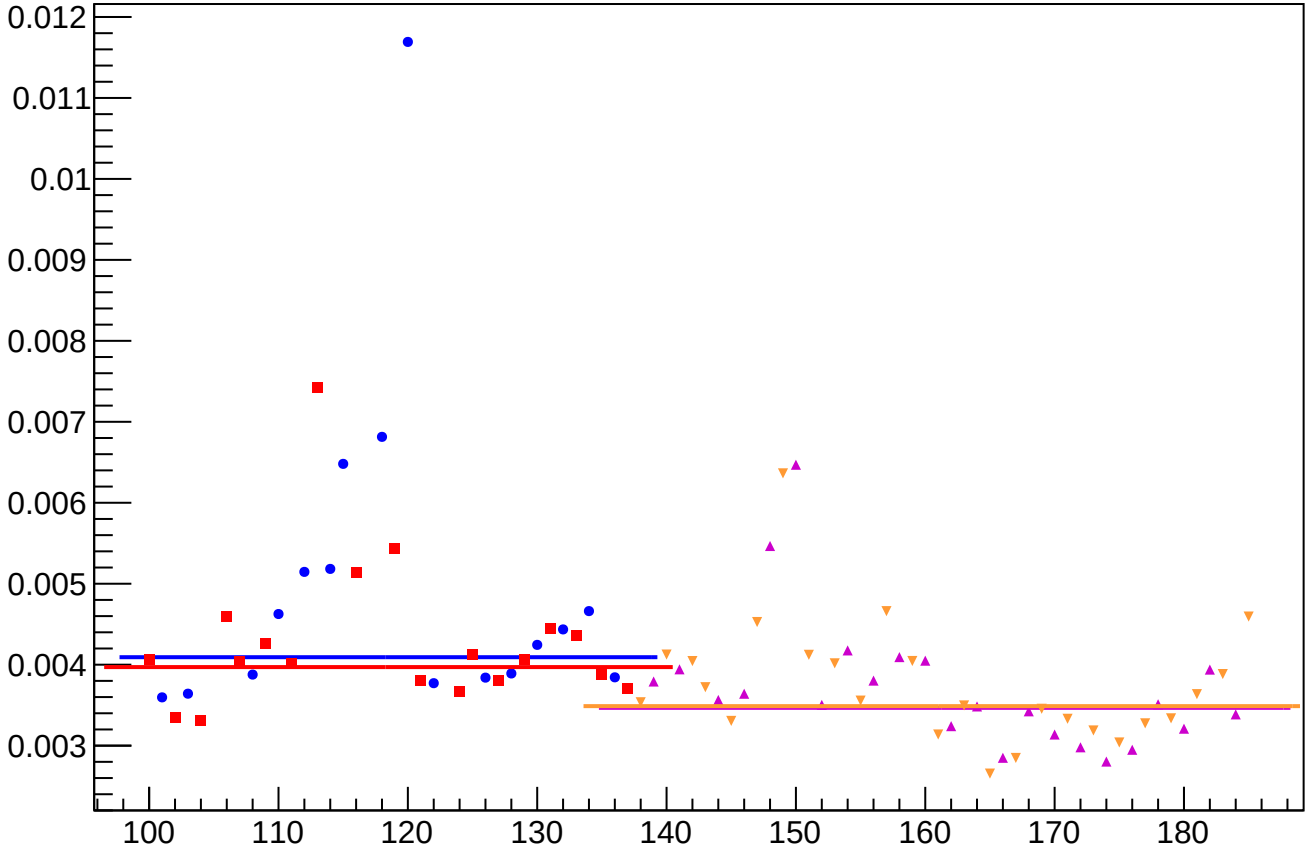
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.557+/-0.000 χ^2/NDF: 72448780408.5/40

All: 0.556+/-0.000 χ^2/NDF: 149862507926.3

- 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:850746.8/24

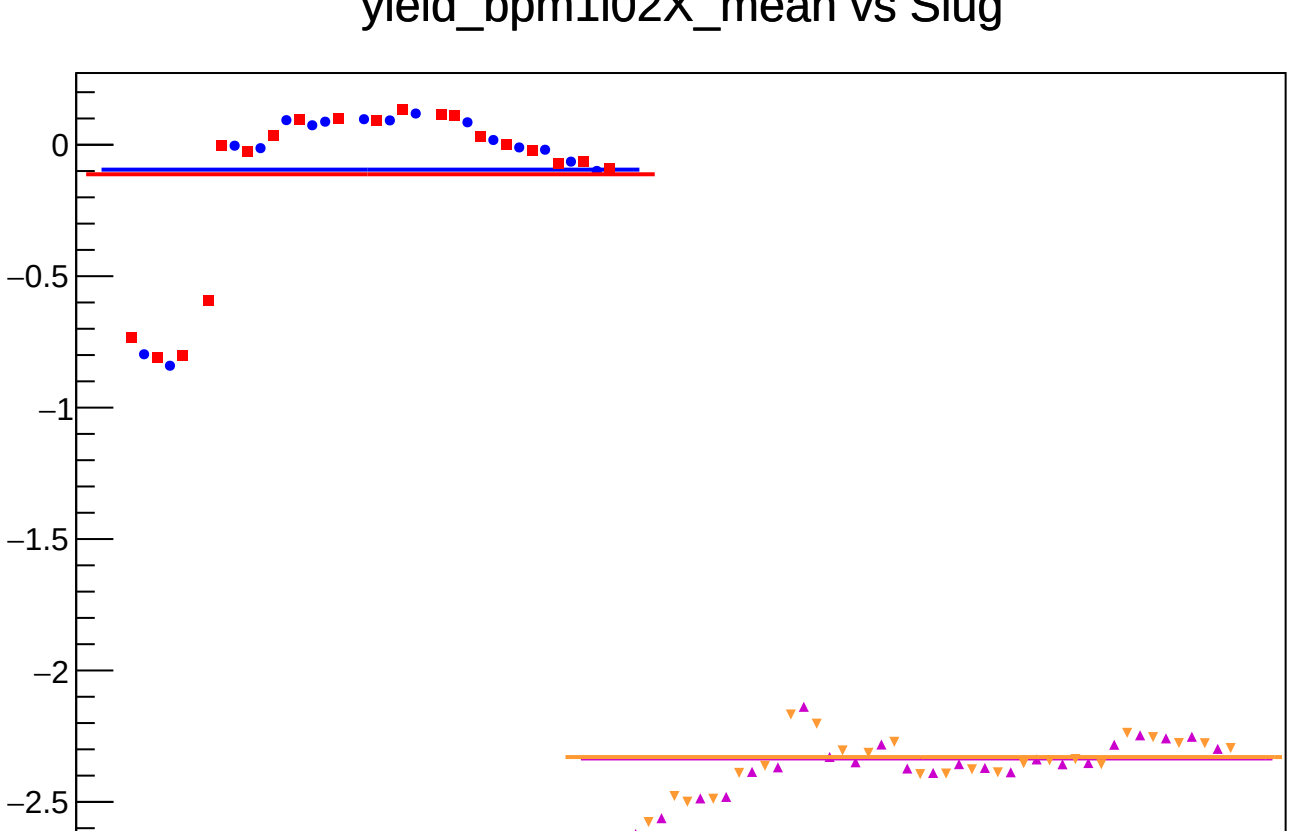
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.004+/-0.000 χ^2/NDF: 1551750.5/40

All: 0.004+/-0.000 χ^2/NDF: 2917184.7/82

- 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: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

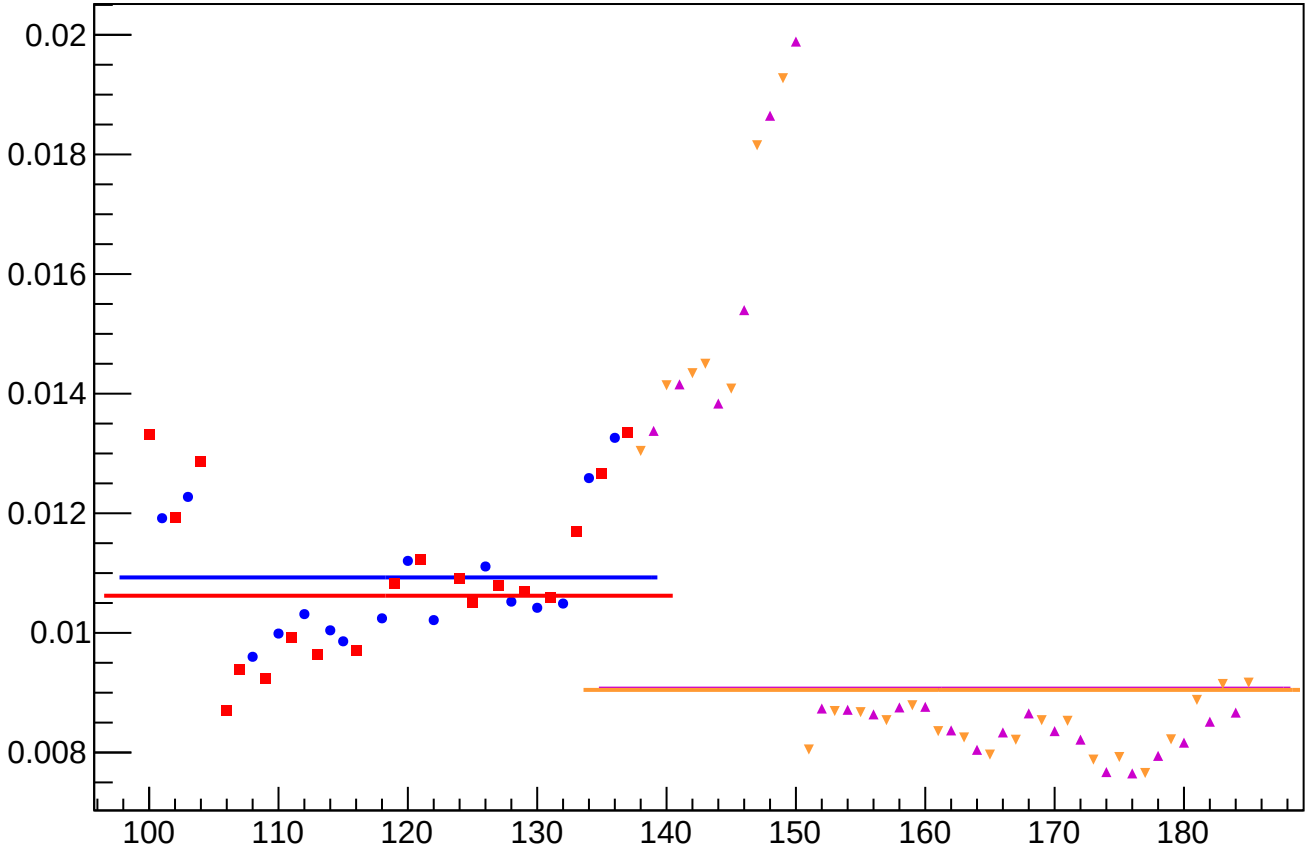
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.856+/-0.000 χ^2/NDF: 242311215851.9/40

All: -1.831+/-0.000 χ^2/NDF: 496318661104.8

- 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:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

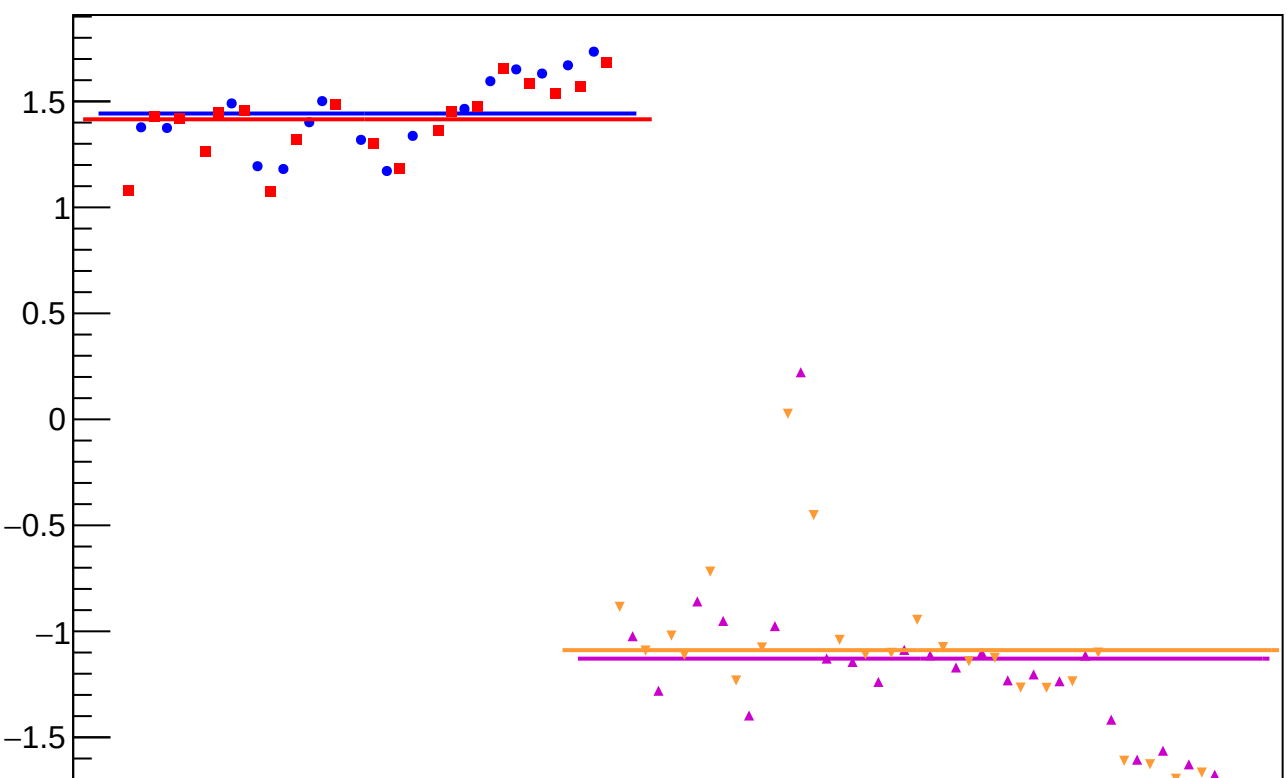
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.009+/-0.000 χ^2/NDF: 2517810.1/40

All: 0.009+/-0.000 χ^2/NDF: 5082684.8/82

- 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: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

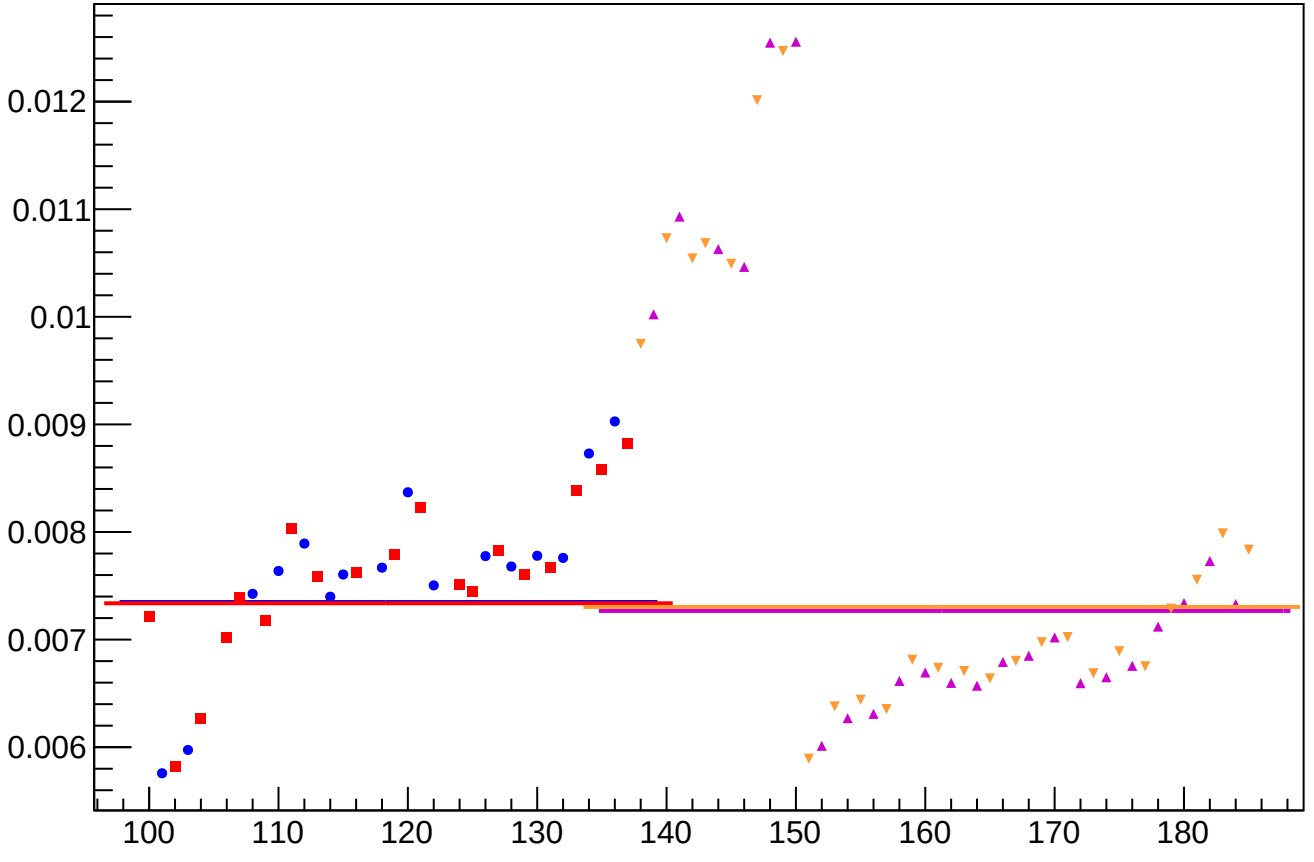
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.395+/-0.000 χ^2/NDF: 673541943185.0/40

All: -0.389+/-0.000 χ^2/NDF: 1362160807343

- sign -0.384+/-0.000 χ^2/NDF: 688591708181.7/41

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

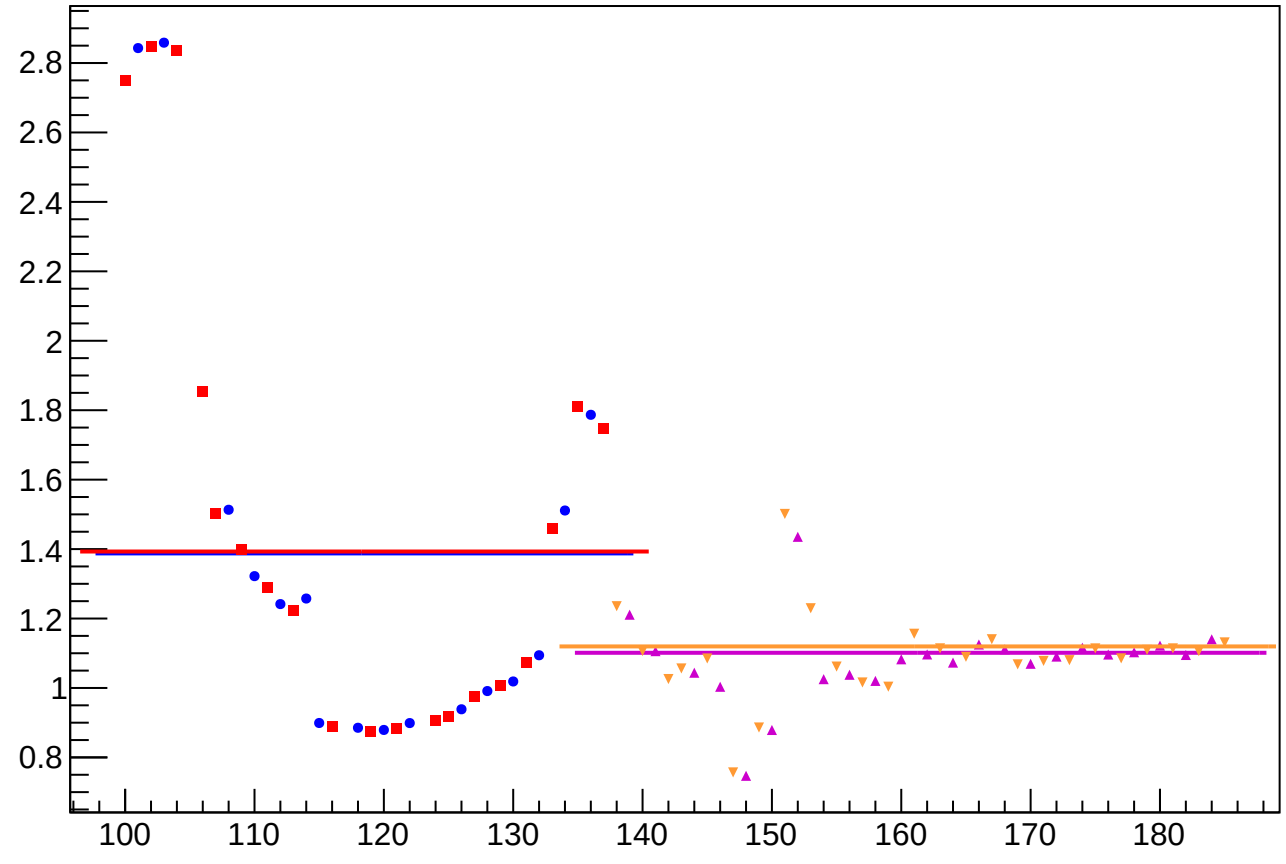
Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1775365.7/40

All: 0.007+/-0.000 χ^2/NDF: 3532207.0/82

- 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:5515079117.9/24

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

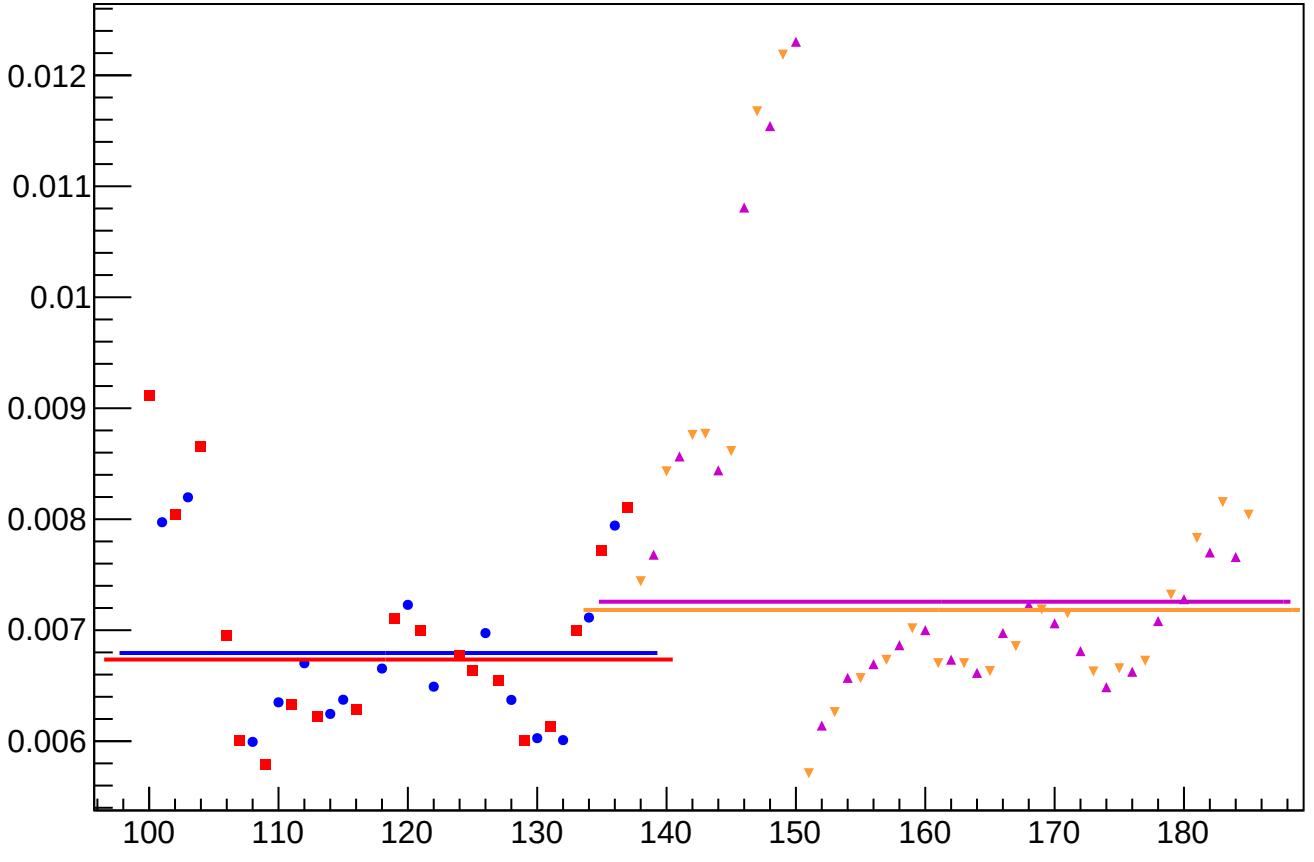
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.200+/-0.000 χ^2/NDF: 71850147977.0/40

All: 1.199+/-0.000 χ^2/NDF: 140693240347.8

- 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:893807.0/24

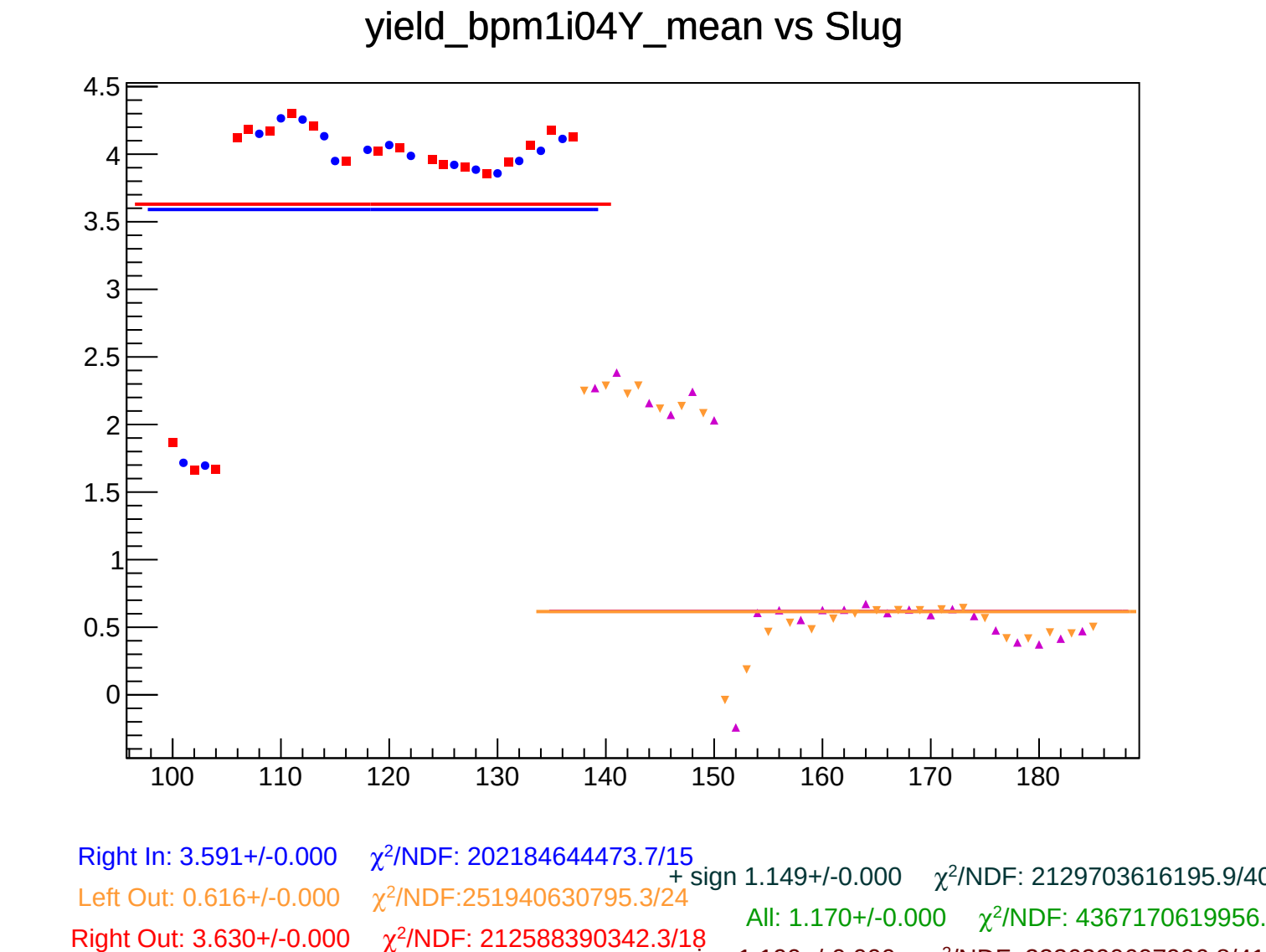
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

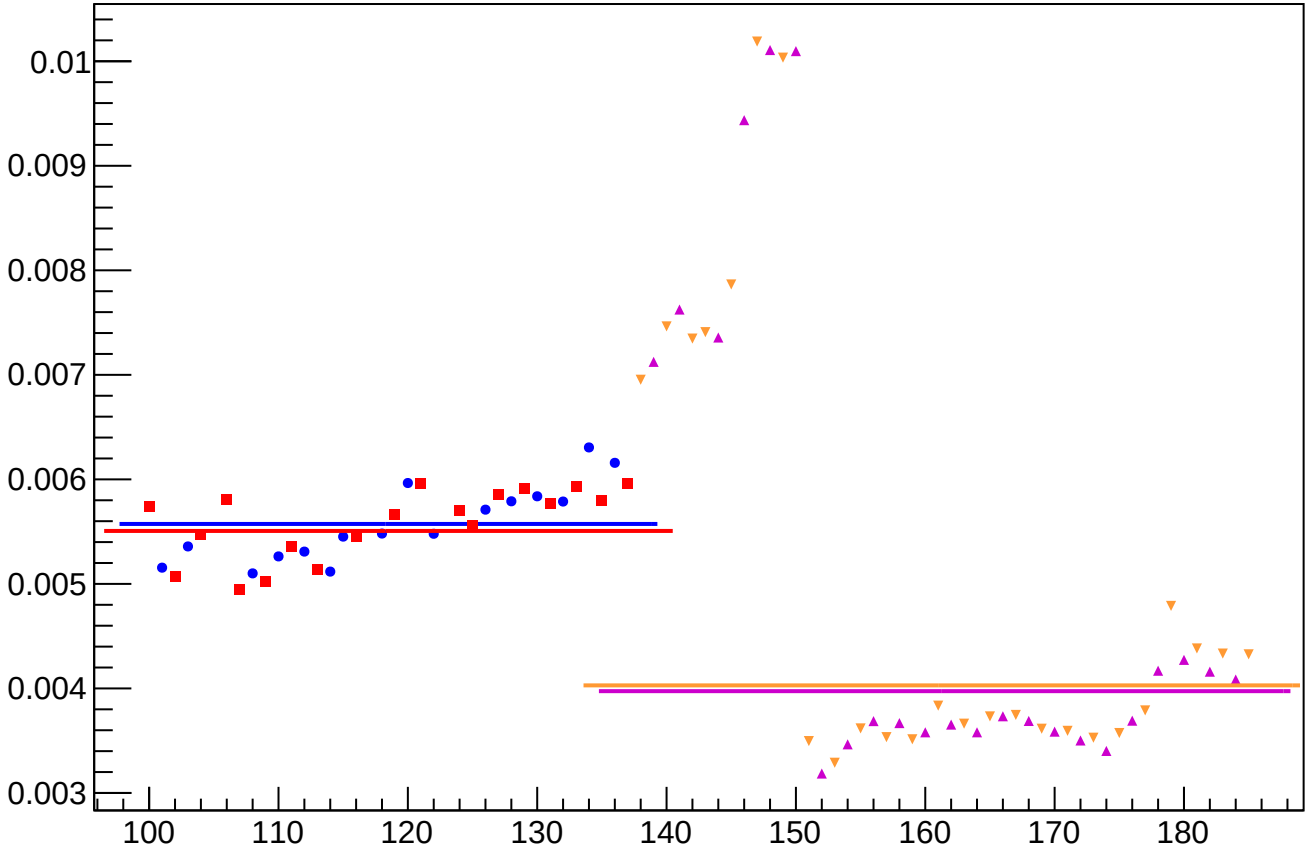
+ sign 0.007+/-0.000 χ^2/NDF: 1090667.8/40

All: 0.007+/-0.000 χ^2/NDF: 2265229.3/82

- sign 0.007+/-0.000 χ^2/NDF: 1174357.6/41


yield_bpm1i04Y_mean vs Slug
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
100
110
120
130
140
150
160
170
180
Right In: 3.591+/-0.000 χ²/NDF: 202184644473.7/15
Left Out: 0.616+/-0.000 χ²/NDF:251940630795.3/24
Right Out: 3.630+/-0.000 χ²/NDF: 212588390342.3/18
Left In: 0.618+/-0.000 χ²/NDF:254248143278.9/22
+ sign 1.149+/-0.000 χ²/NDF: 2129703616195.9/40
All: 1.170+/-0.000 χ²/NDF: 4367170619956.
- sign 1.190+/-0.000 χ²/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:2965028.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

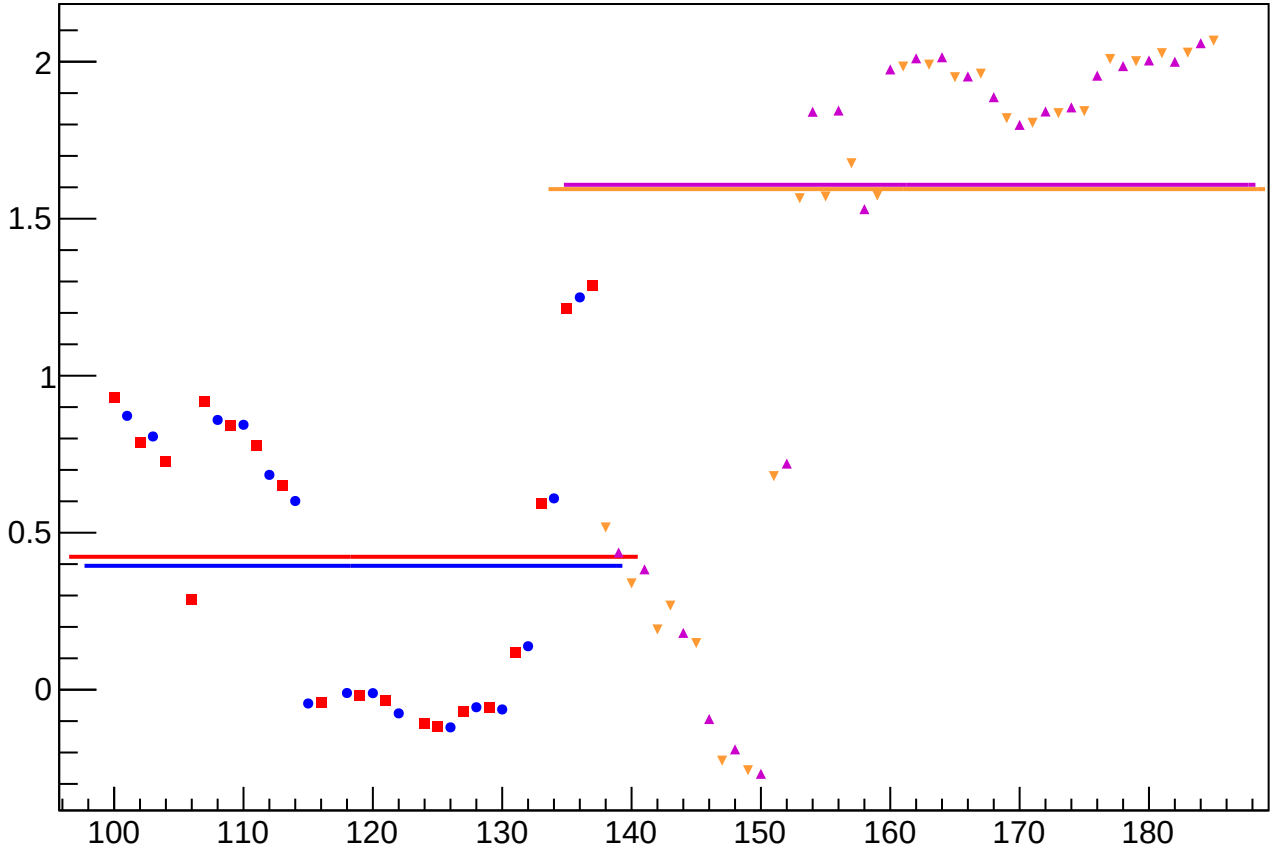
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 3927440.2/40

All: 0.004+/-0.000 χ^2/NDF: 8025487.5/82

- 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: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

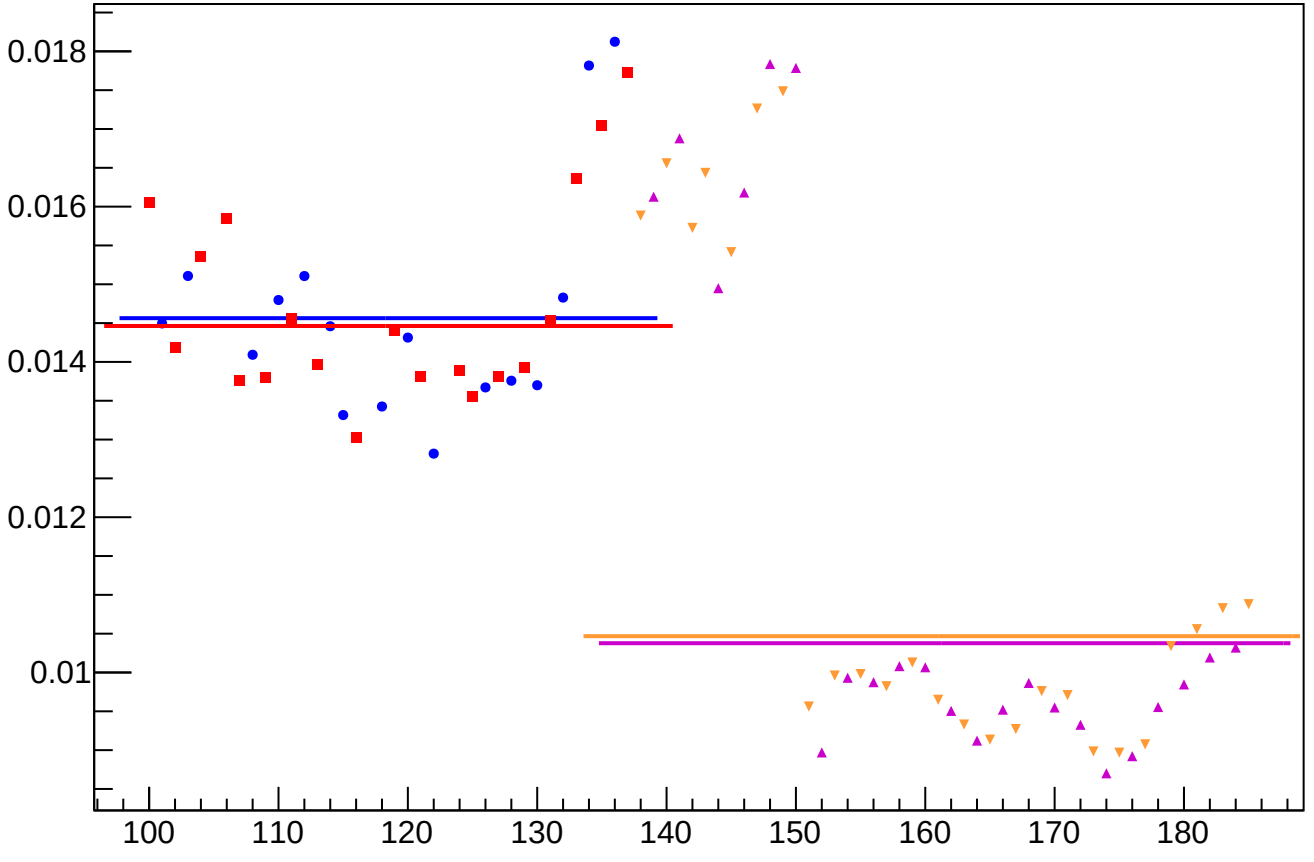
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.394+/-0.000 χ^2/NDF: 110150280720.8/40

All: 1.395+/-0.000 χ^2/NDF: 223626761591.6

- 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:1661211.8/24

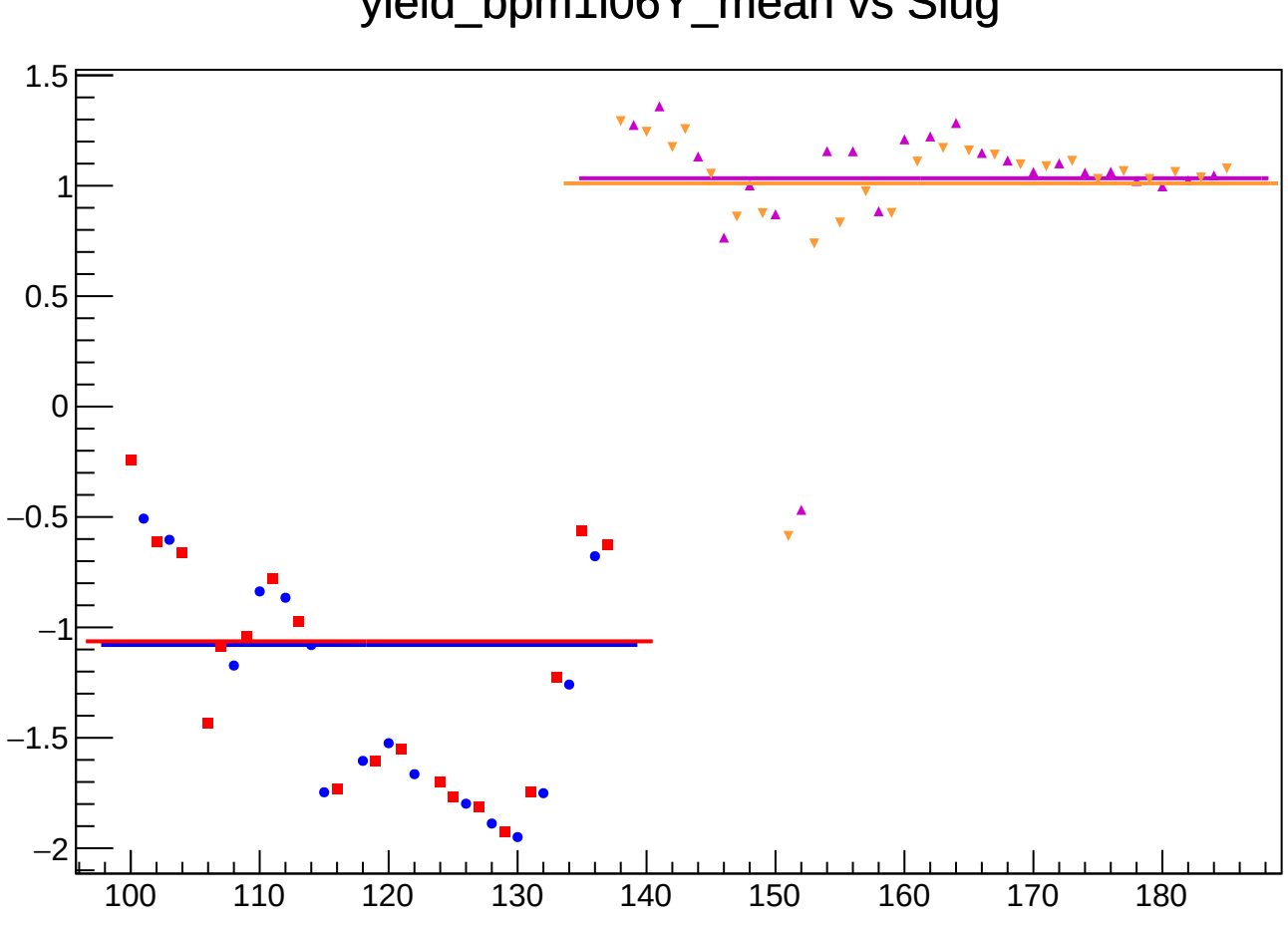
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2729435.5/40

All: 0.011+/-0.000 χ^2/NDF: 5473347.8/82

- 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: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

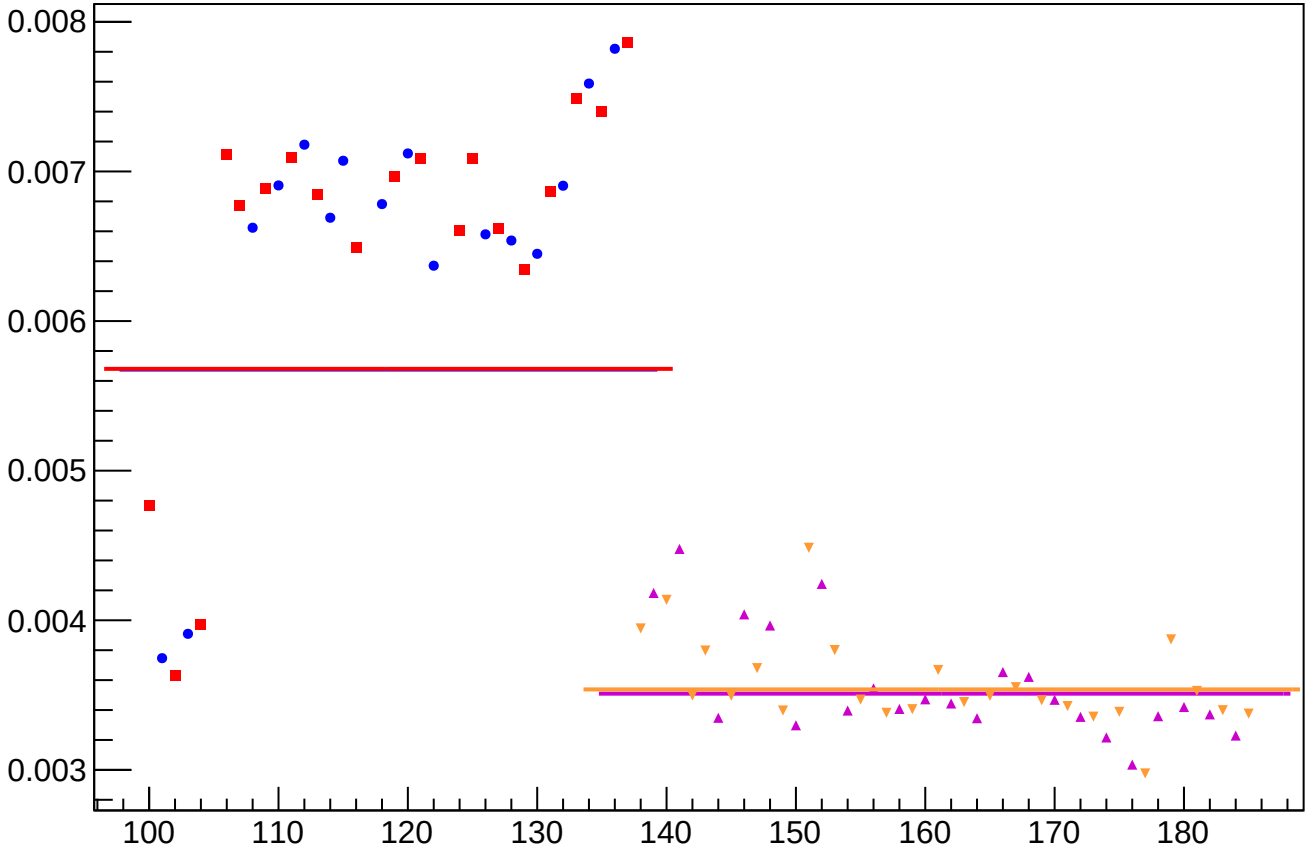
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.753+/-0.000 χ^2/NDF: 927974442802.7/40

All: 0.758+/-0.000 χ^2/NDF: 1868253165153.

- 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:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

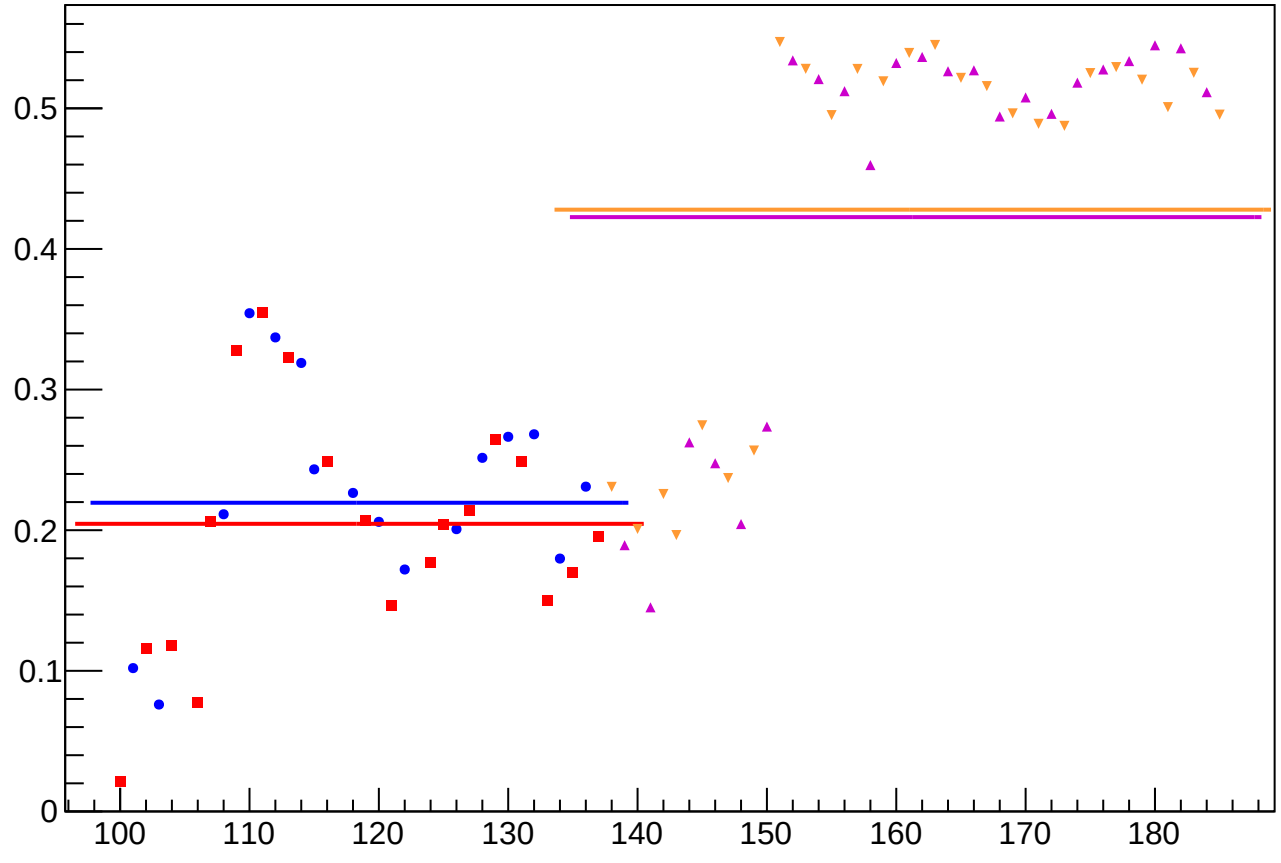
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 2744770.8/40

All: 0.004+/-0.000 χ^2/NDF: 5650729.0/82

- sign 0.004+/-0.000 χ^2/NDF: 2905759.7/41

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

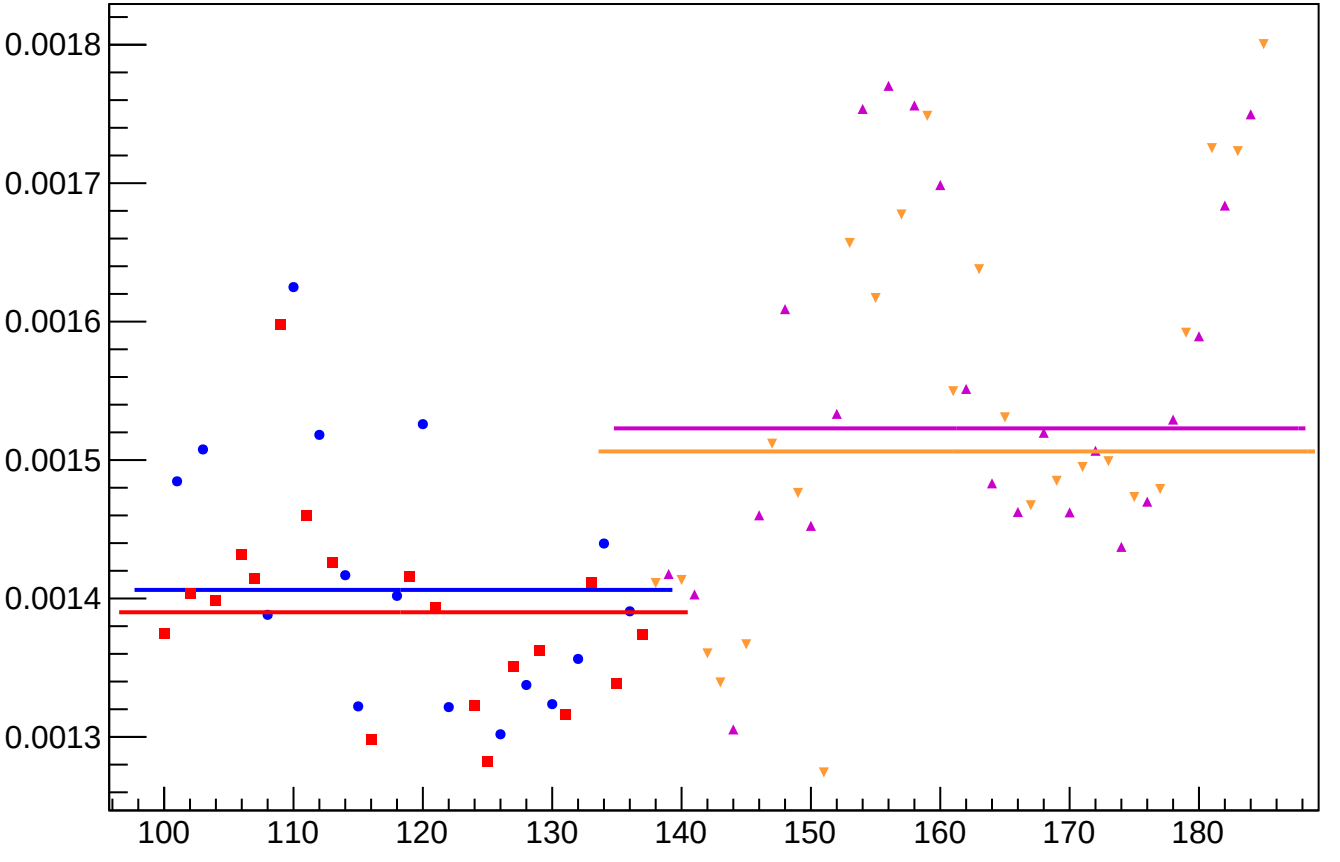
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.366+/-0.000 χ^2/NDF: 278041888439.3/40

All: 0.359+/-0.000 χ^2/NDF: 581048809336.6

- 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:278895.8/24

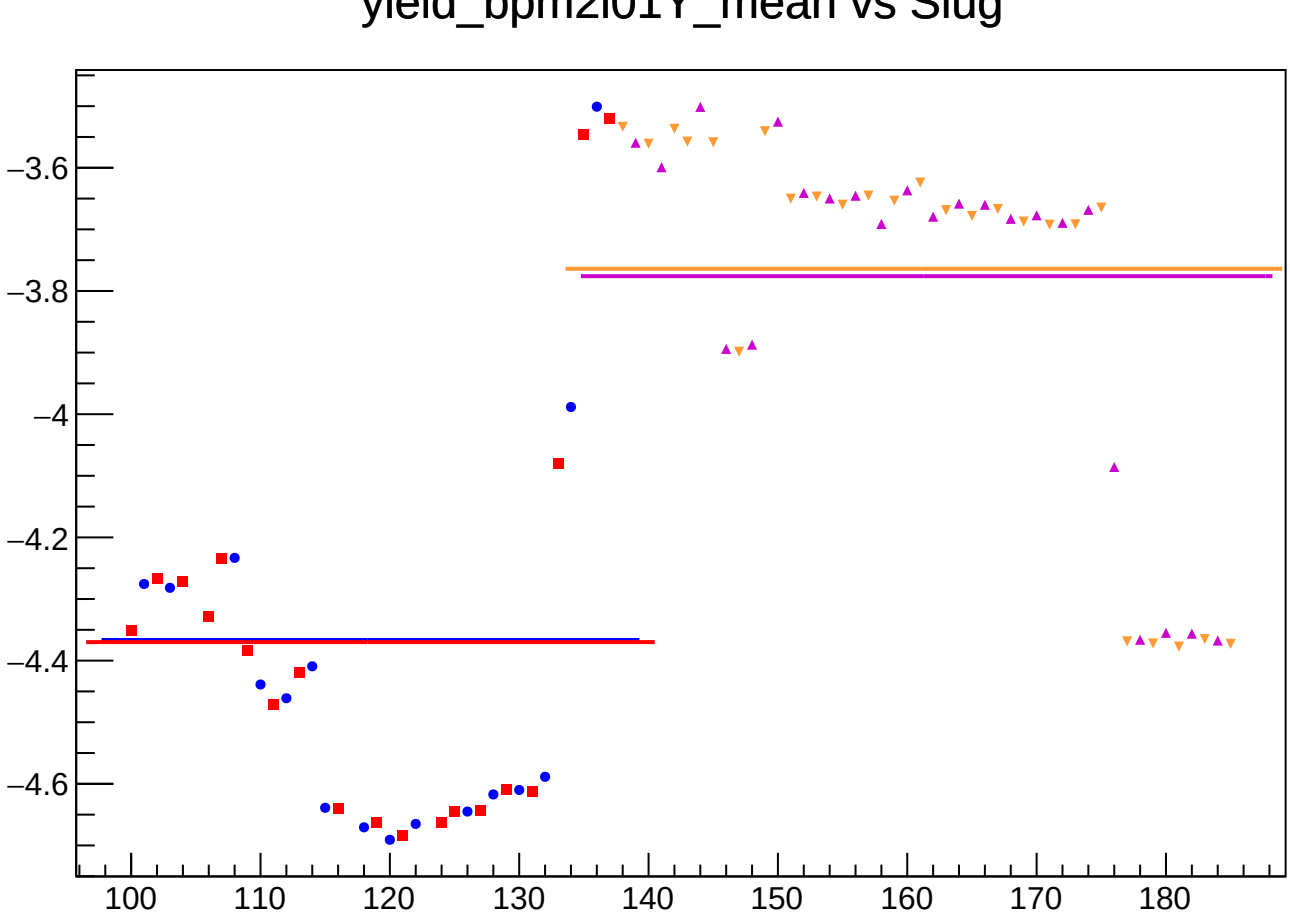
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 376597.5/40

All: 0.001+/-0.000 χ^2/NDF: 736011.7/82

- 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: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

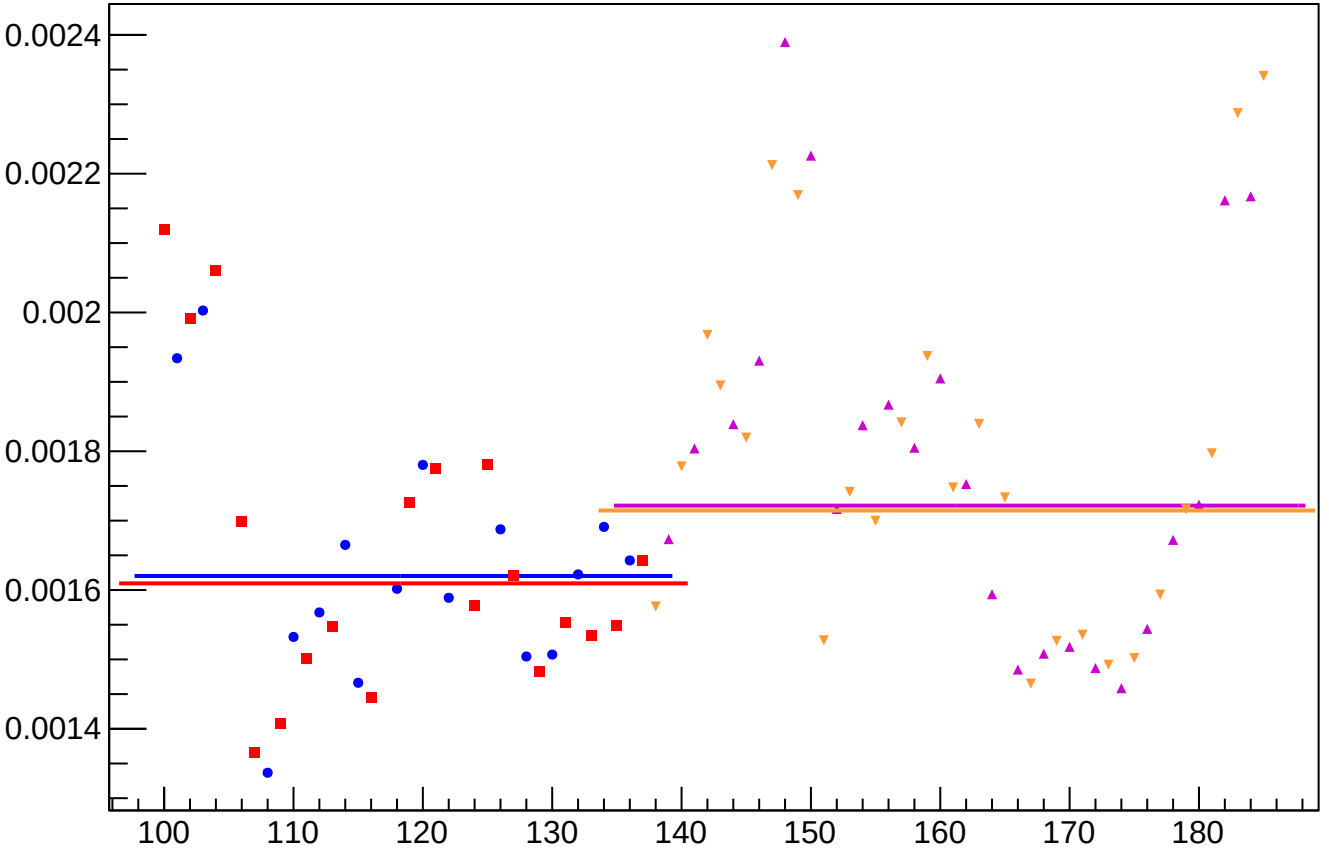
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.941+/-0.000 χ^2/NDF: 1508130964195.1/4

All: -3.952+/-0.000 χ^2/NDF: 2871716059610

- 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:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

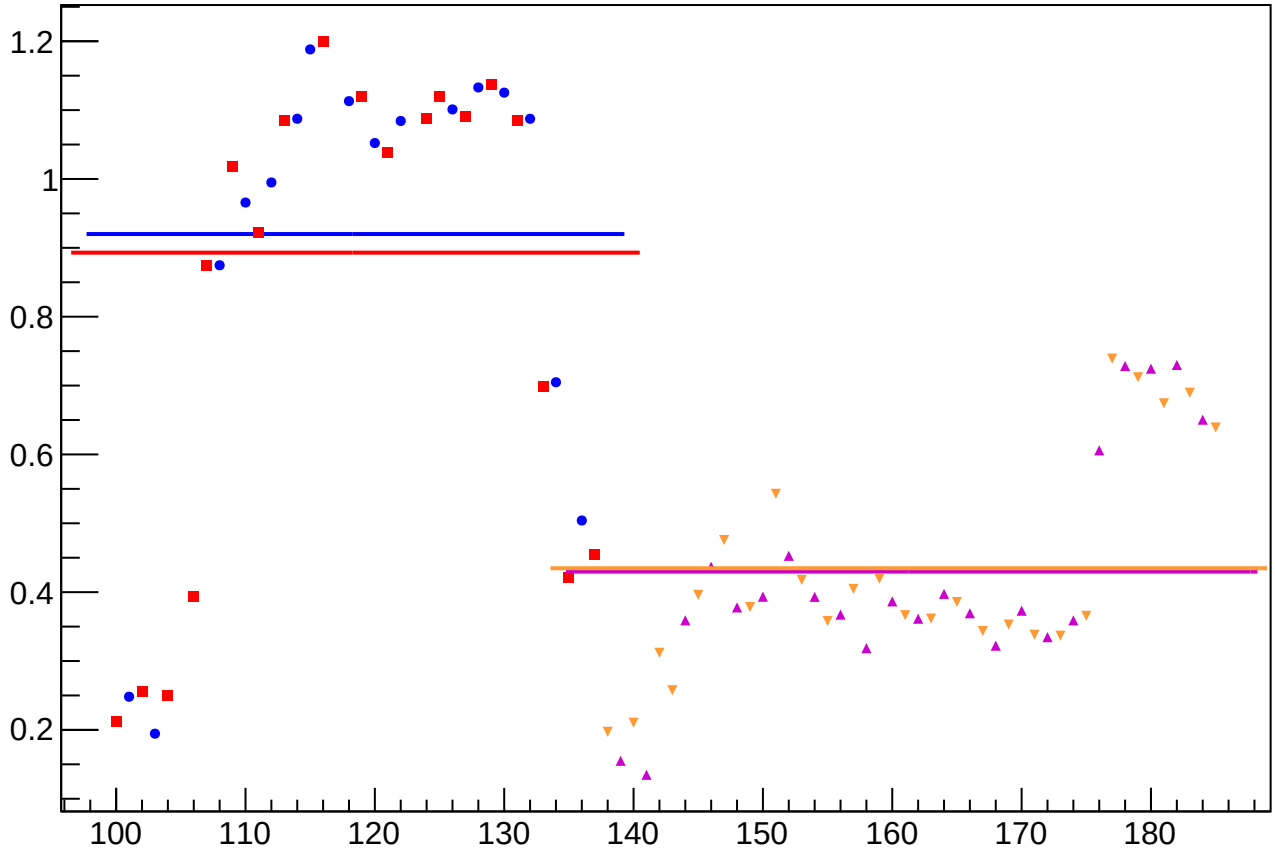
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 735491.3/40

All: 0.002+/-0.000 χ^2/NDF: 1549482.4/82

- 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: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

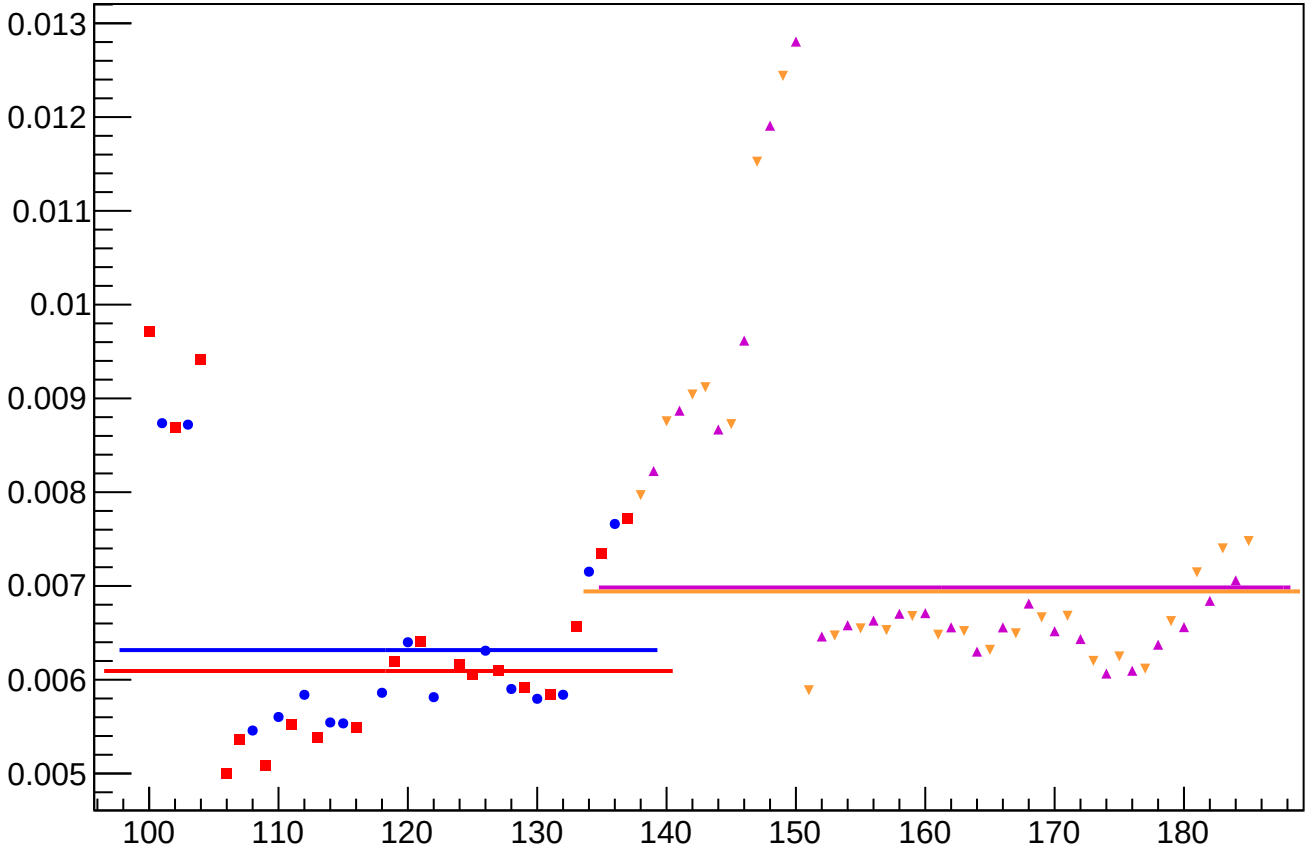
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.586+/-0.000 χ^2/NDF: 51566647791.8/40

All: 0.589+/-0.000 χ^2/NDF: 105482991591.1

- 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:1090916.4/24

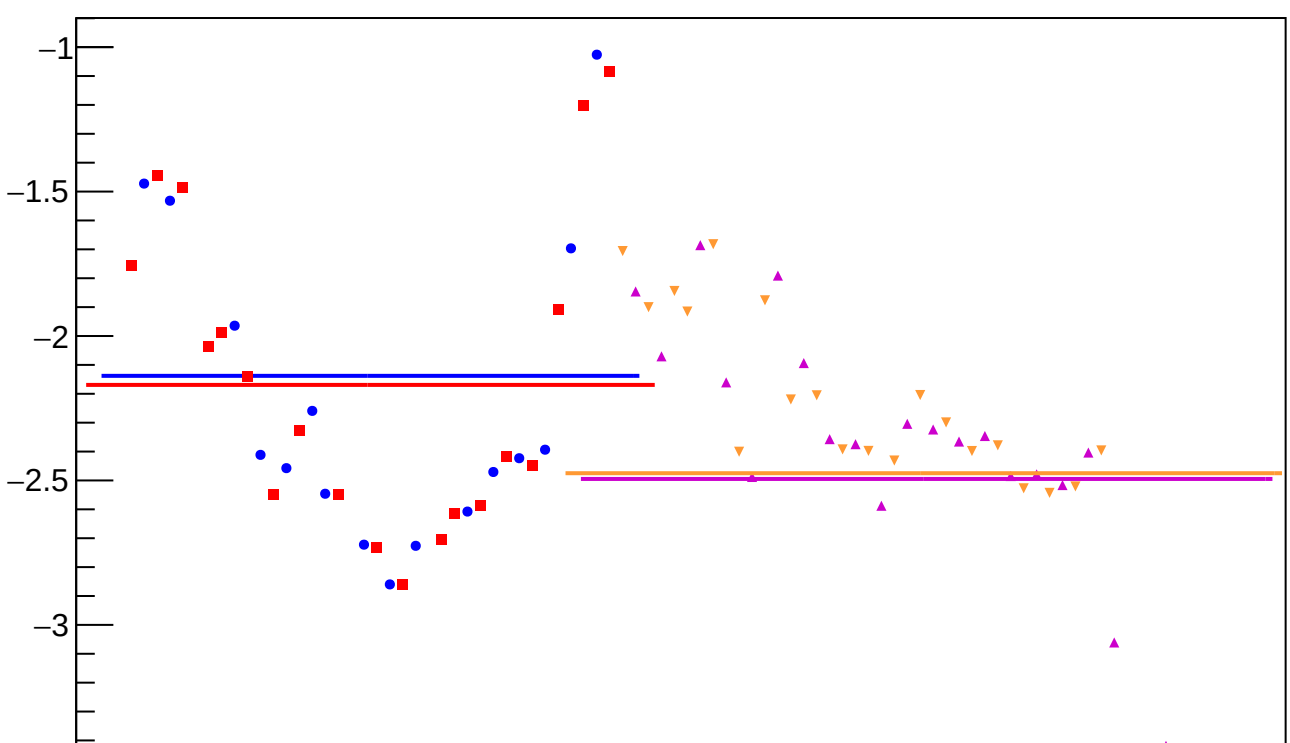
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 1521335.9/40

All: 0.007+/-0.000 χ^2/NDF: 3298302.8/82

- 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: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

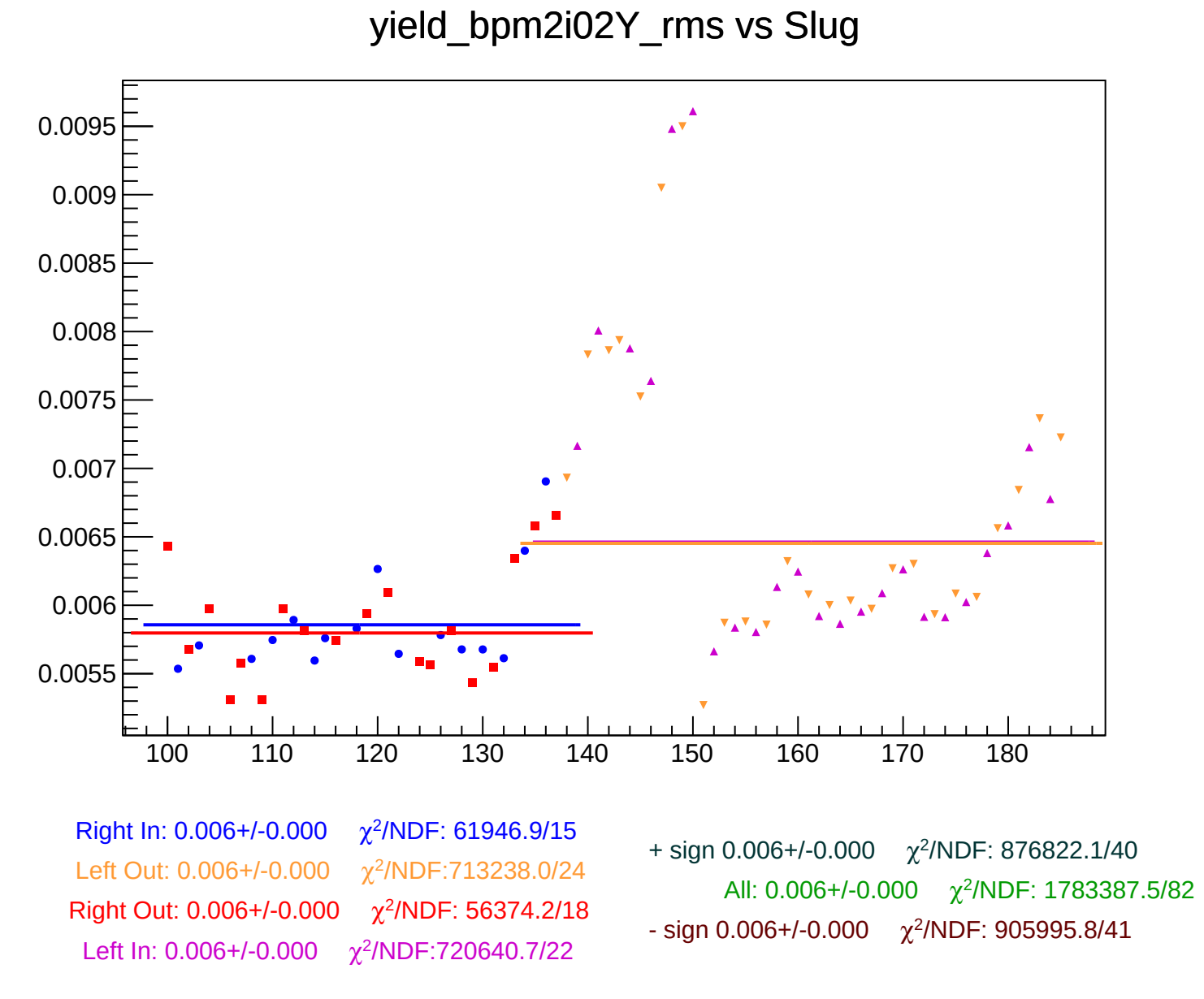
Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

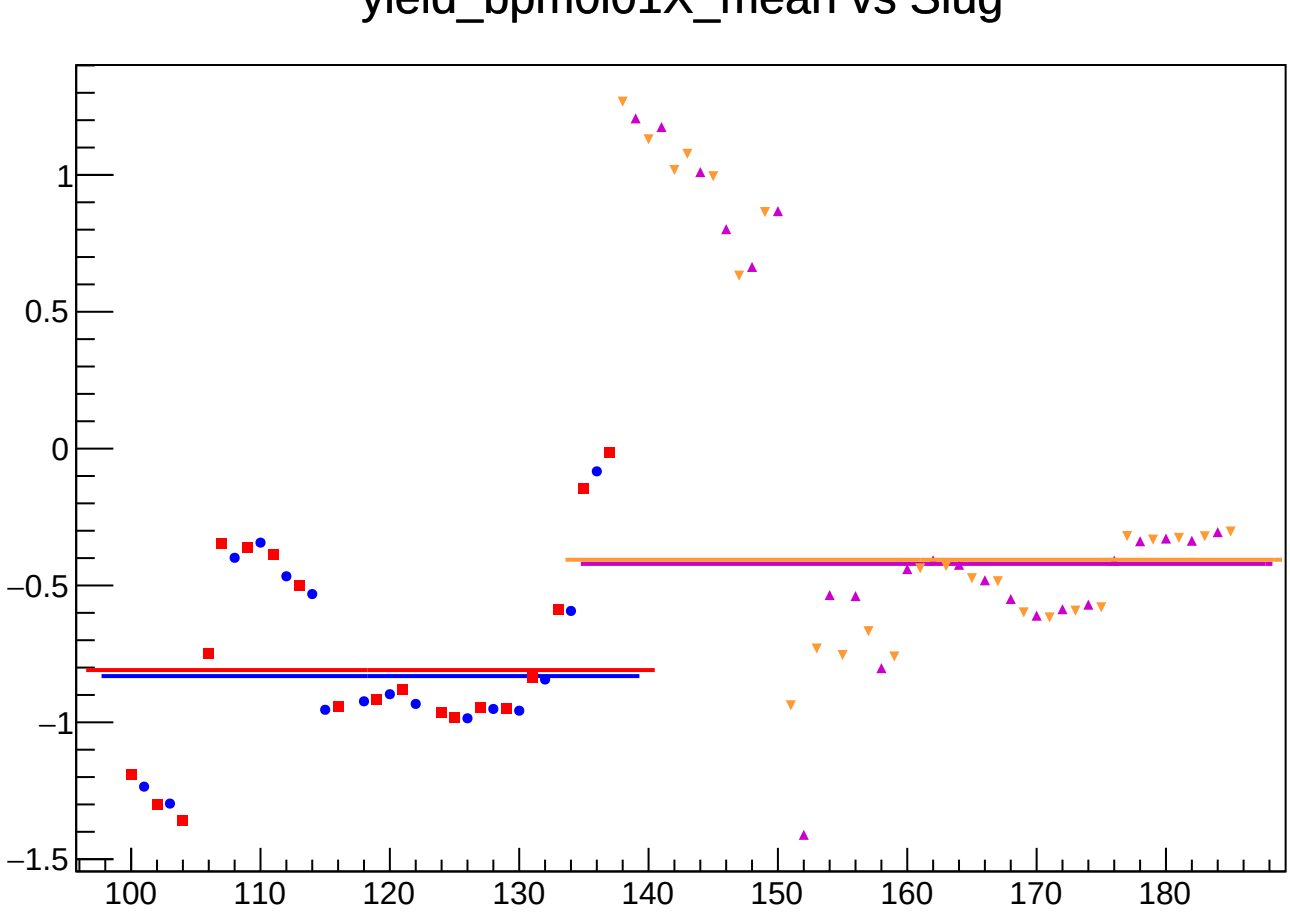
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.369+/-0.000 χ^2/NDF: 204922515056.3/40

All: -2.376+/-0.000 χ^2/NDF: 374683901893.3

- sign -2.384+/-0.000 χ^2/NDF: 169684358658.2/41


yield_bpm2i02Y_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.006+/-0.000 χ²/NDF:713238.0/24
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.006+/-0.000 χ²/NDF:720640.7/22
+ sign 0.006+/-0.000 χ²/NDF: 876822.1/40
All: 0.006+/-0.000 χ²/NDF: 1783387.5/82
- sign 0.006+/-0.000 χ²/NDF: 905995.8/41



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

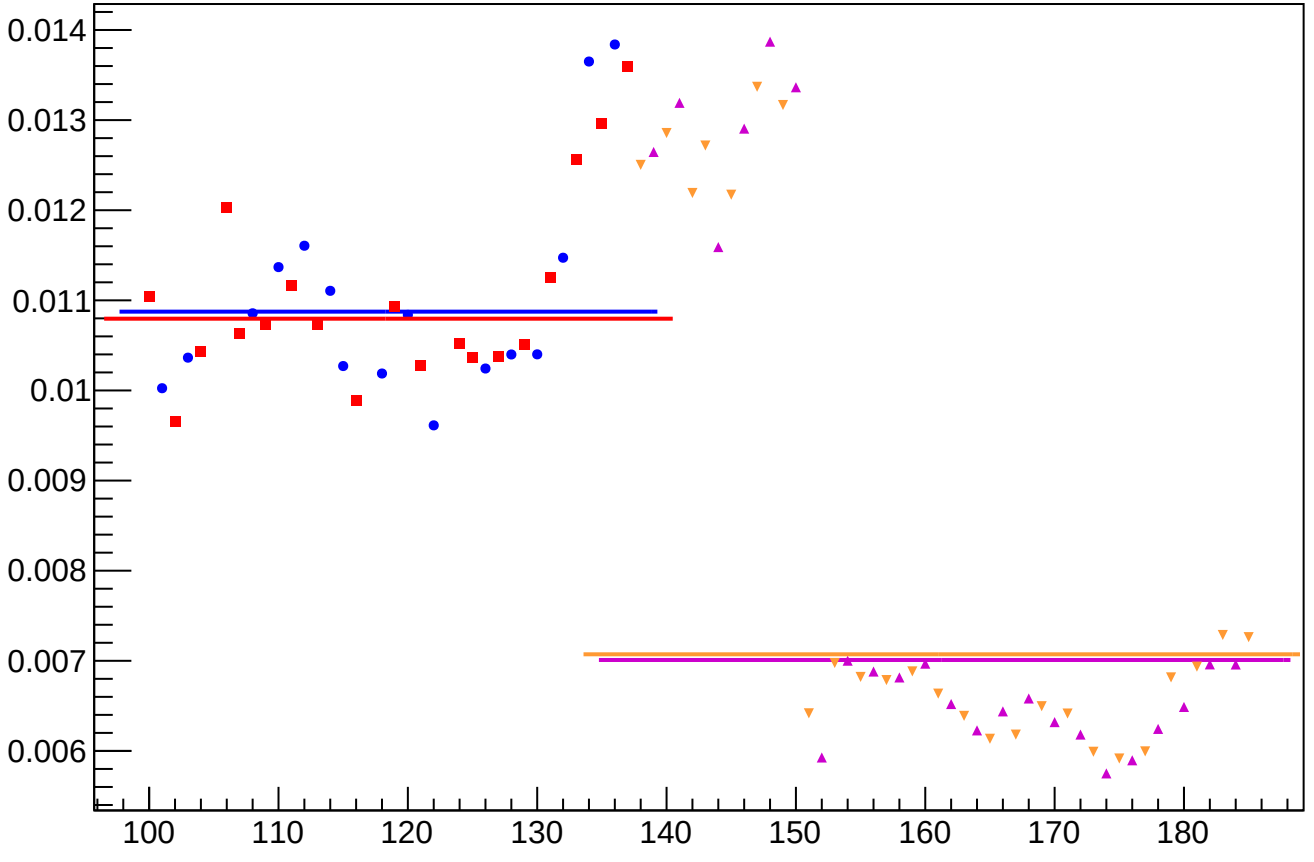
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.467+/-0.000 χ^2/NDF: 97957499531.0/40

All: -0.474+/-0.000 χ^2/NDF: 204281939216.4

- 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:2384159.5/24

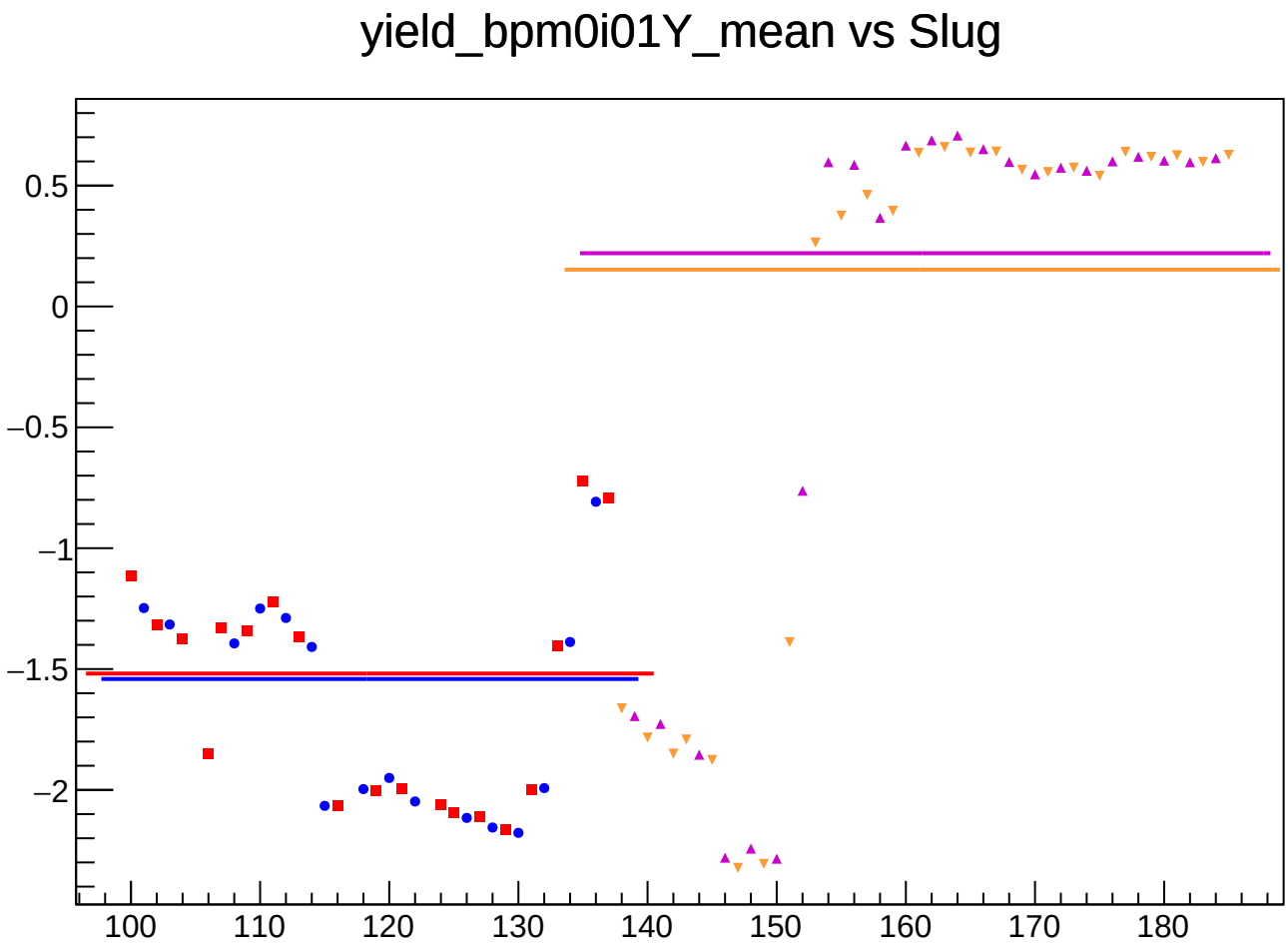
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4015556.6/40

All: 0.008+/-0.000 χ^2/NDF: 8076717.9/82

- 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: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

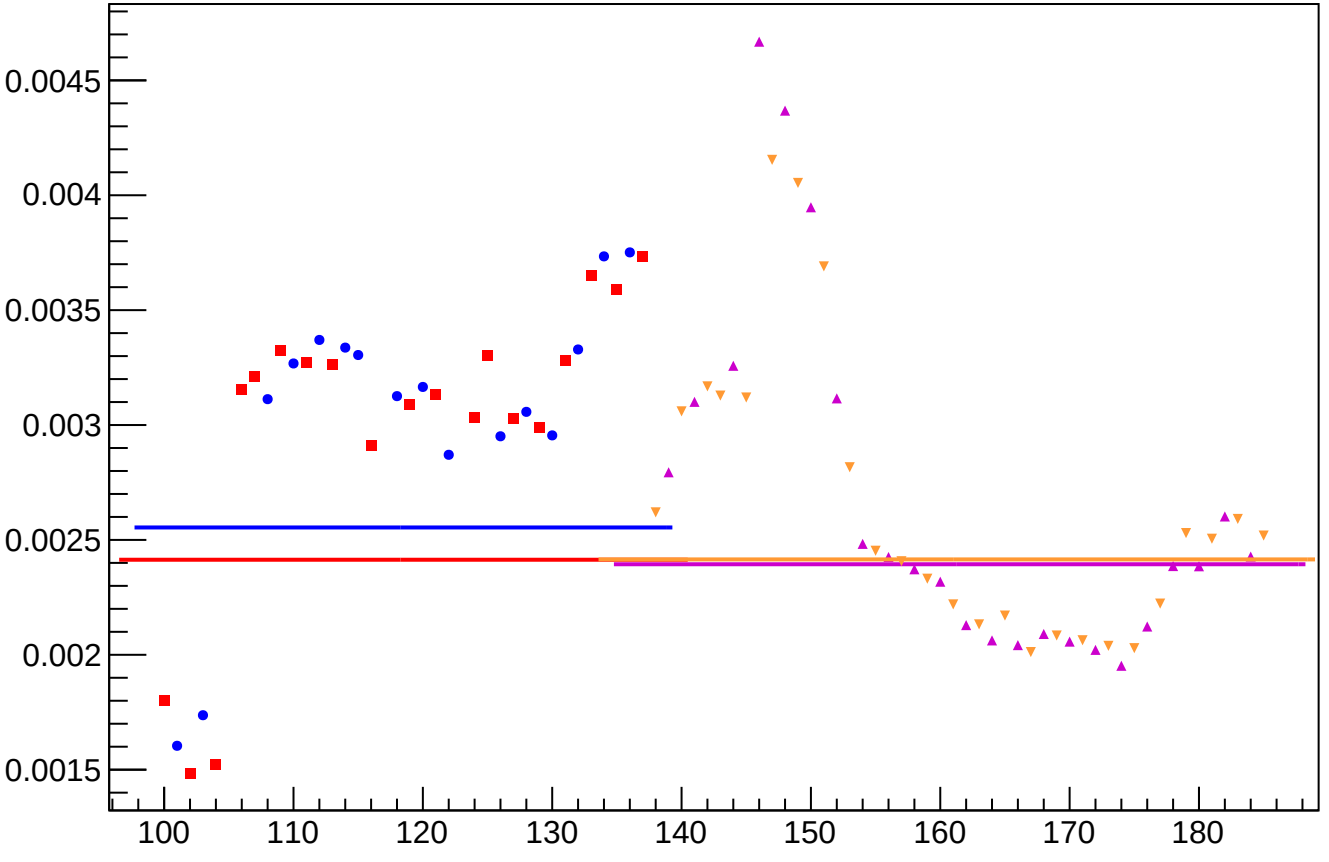
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.256+/-0.000 χ^2/NDF: 4582395407906.3/4

All: -0.250+/-0.000 χ^2/NDF: 9102773129864

- 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:1220406.4/24

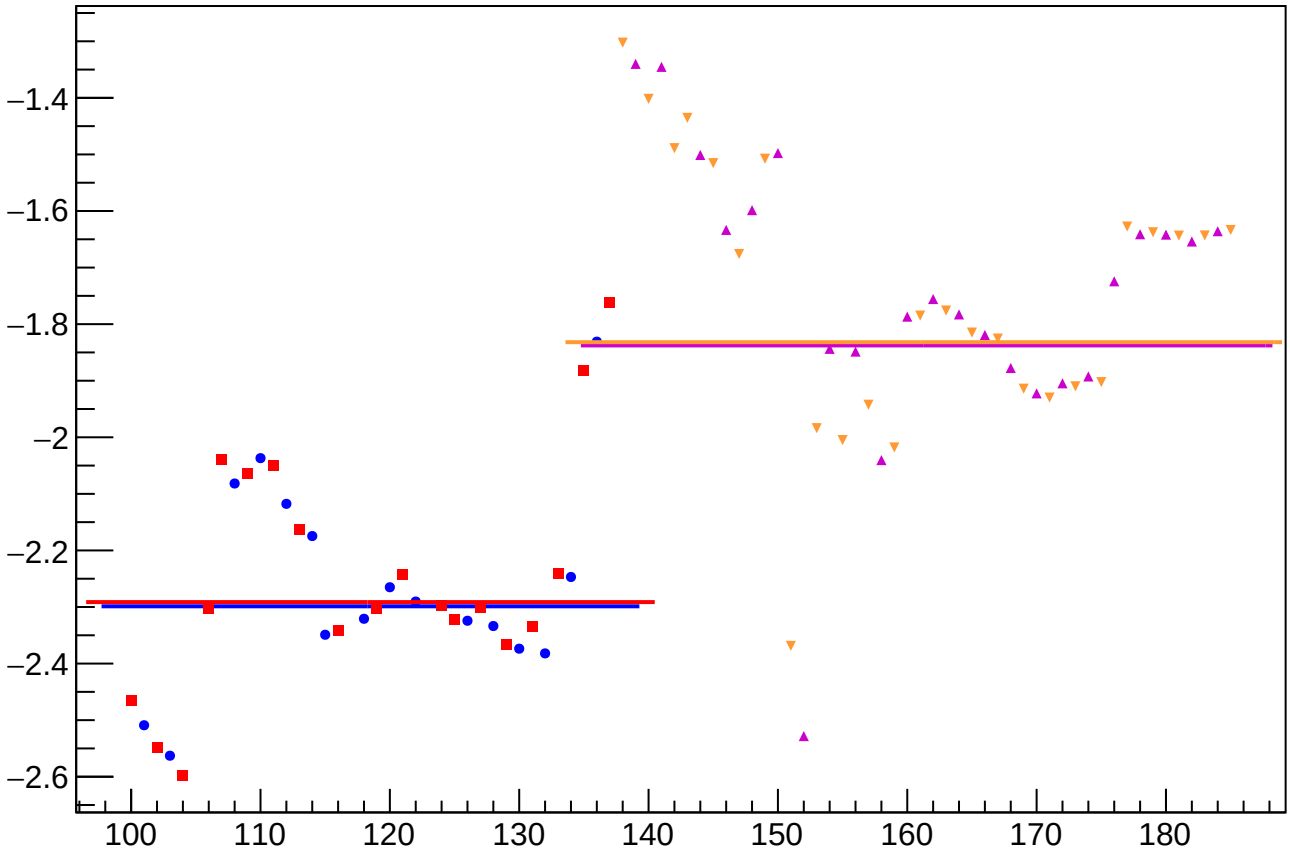
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 2420091.9/40

All: 0.002+/-0.000 χ^2/NDF: 5386413.8/82

- 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: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

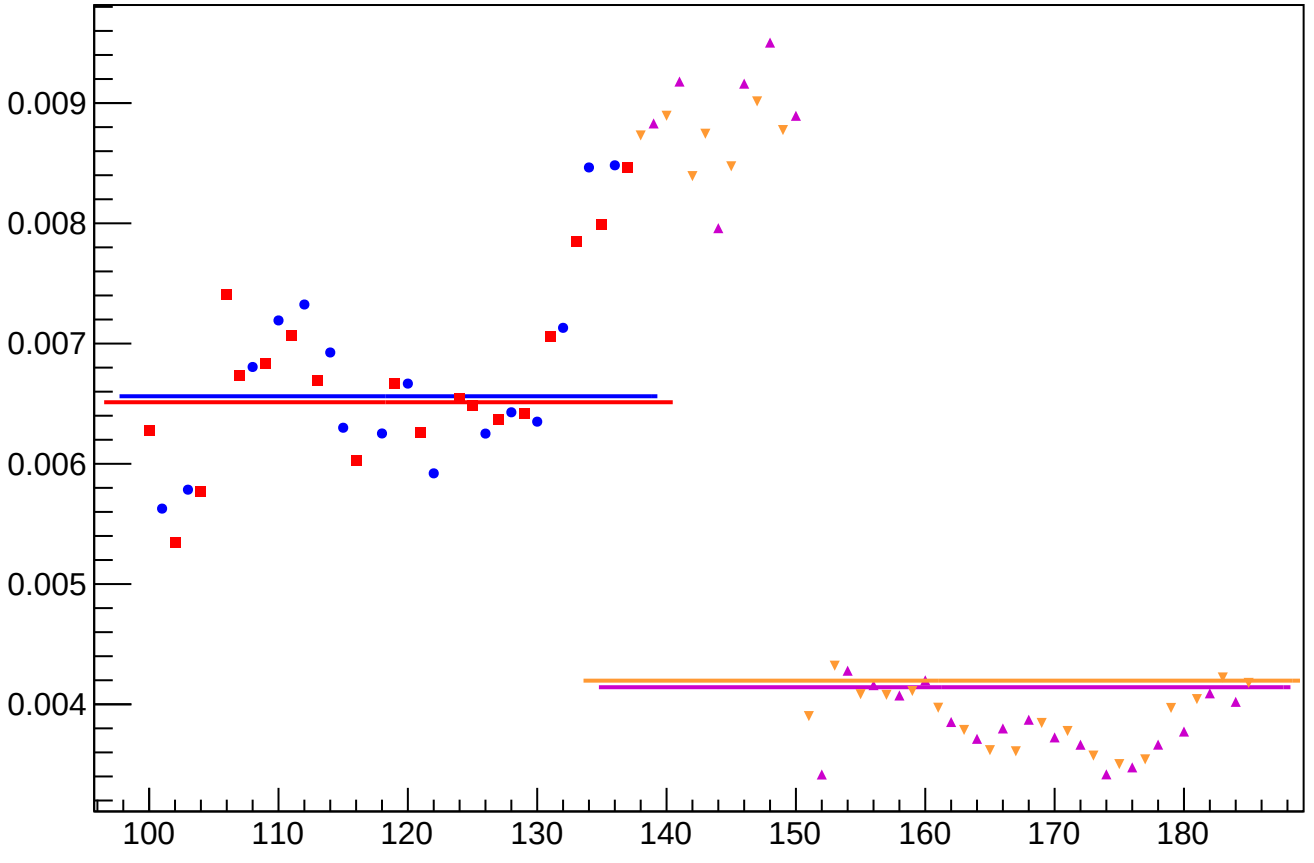
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.898+/-0.000 χ^2/NDF: 74579672436.8/40

All: -1.902+/-0.000 χ^2/NDF: 164144996256.1

- 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:3091489.2/24

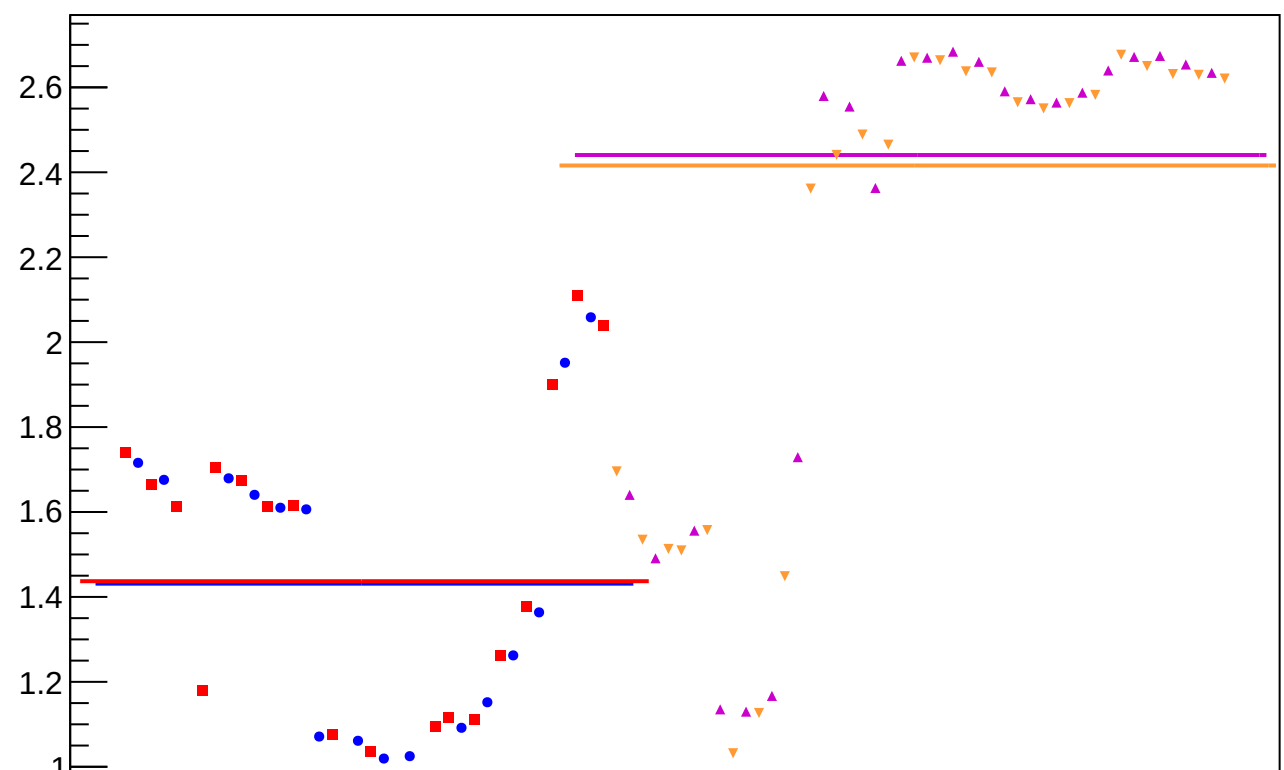
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4857311.2/40

All: 0.005+/-0.000 χ^2/NDF: 9833985.9/82

- 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: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

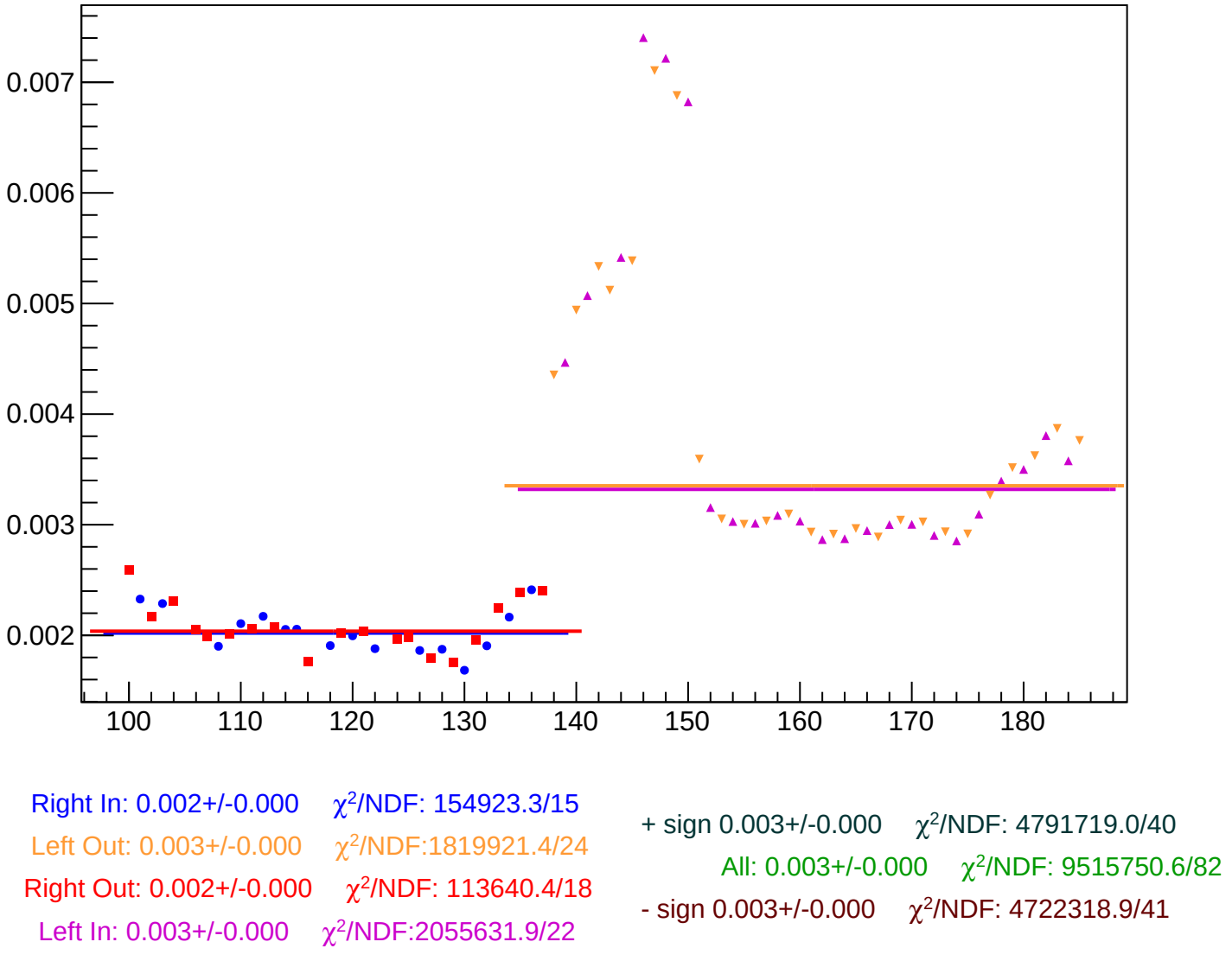
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

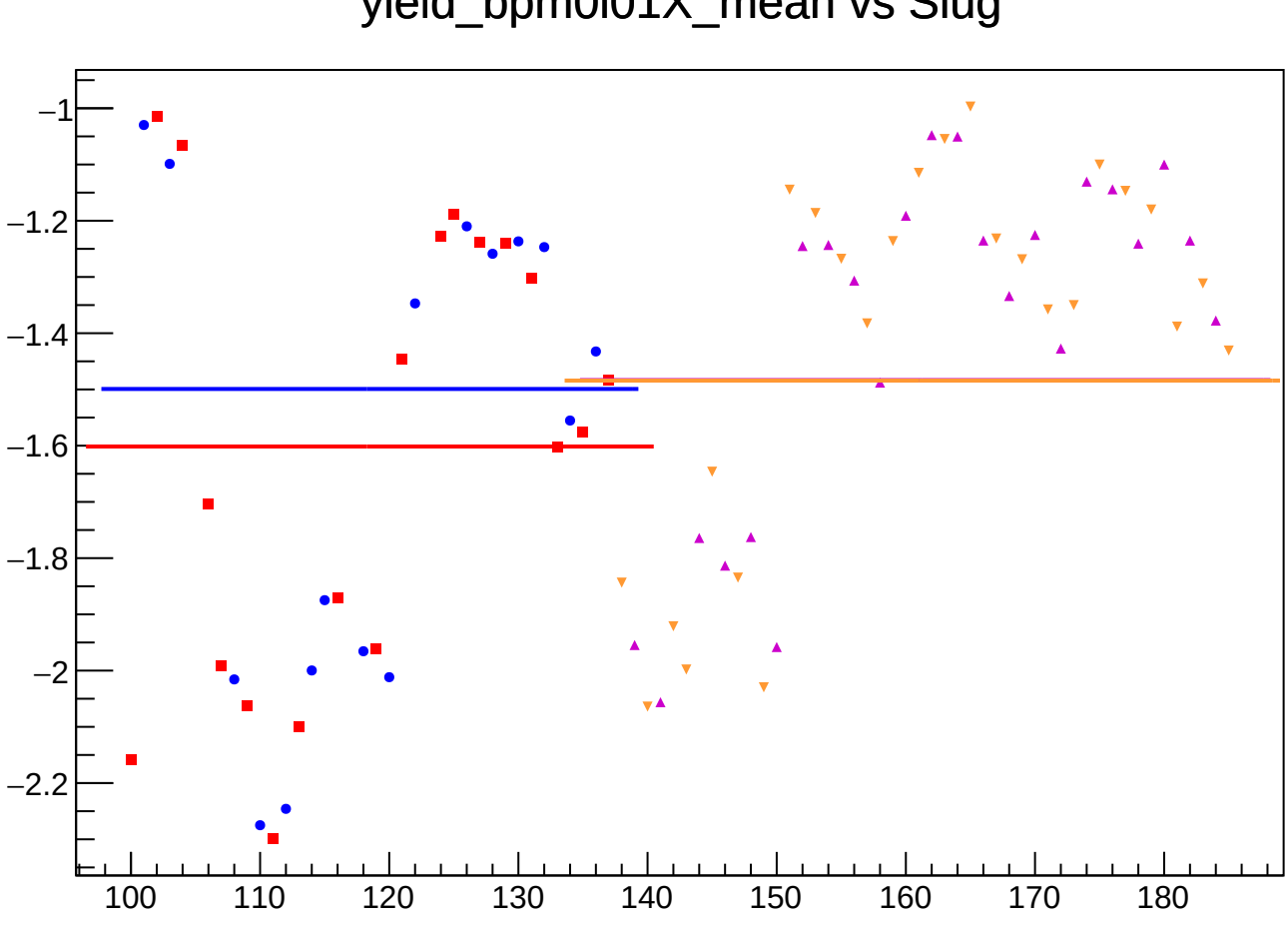
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.912+/-0.000 χ^2/NDF: 1202076390696.5/40

All: 1.913+/-0.000 χ^2/NDF: 2398006435687.

- sign 1.915+/-0.000 χ^2/NDF: 1195920656041.7/41


yield_bpm0i01aY_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 154923.3/15
Left Out: 0.003+/-0.000 χ²/NDF:1819921.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 113640.4/18
Left In: 0.003+/-0.000 χ²/NDF:2055631.9/22
+ sign 0.003+/-0.000 χ²/NDF: 4791719.0/40
All: 0.003+/-0.000 χ²/NDF: 9515750.6/82
- sign 0.003+/-0.000 χ²/NDF: 4722318.9/41



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

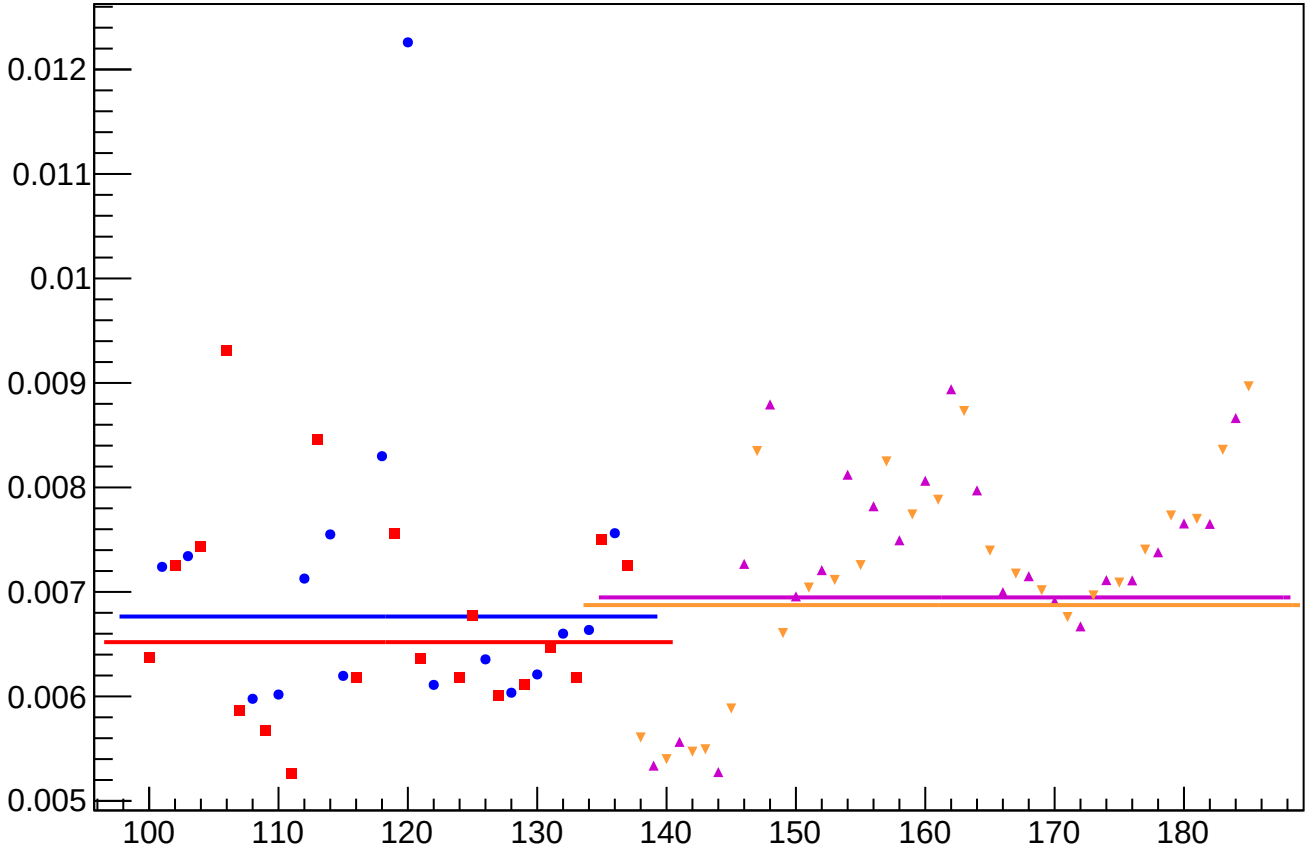
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.488+/-0.000 χ^2/NDF: 71392281362.2/40

All: -1.504+/-0.000 χ^2/NDF: 141893156753.8

- sign -1.521+/-0.000 χ^2/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:745531.3/24

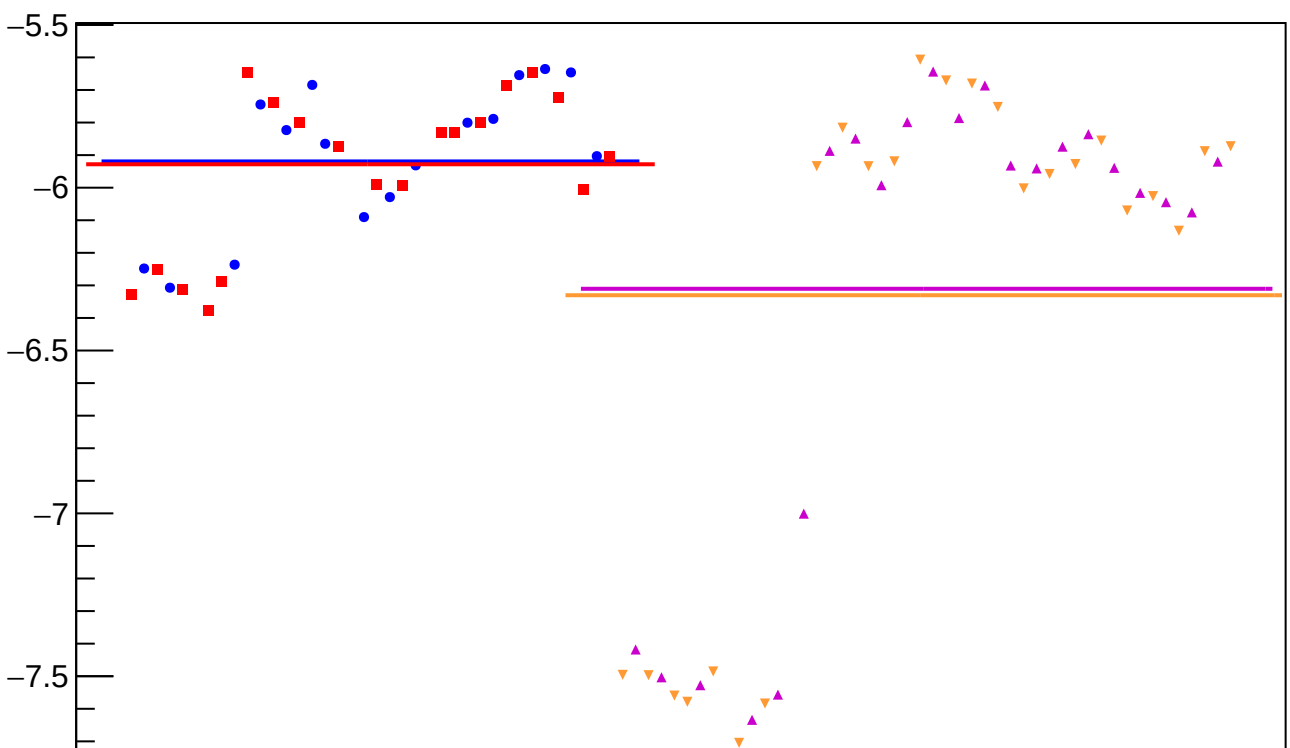
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 986571.5/40

All: 0.007+/-0.000 χ^2/NDF: 2020017.0/82

- 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: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

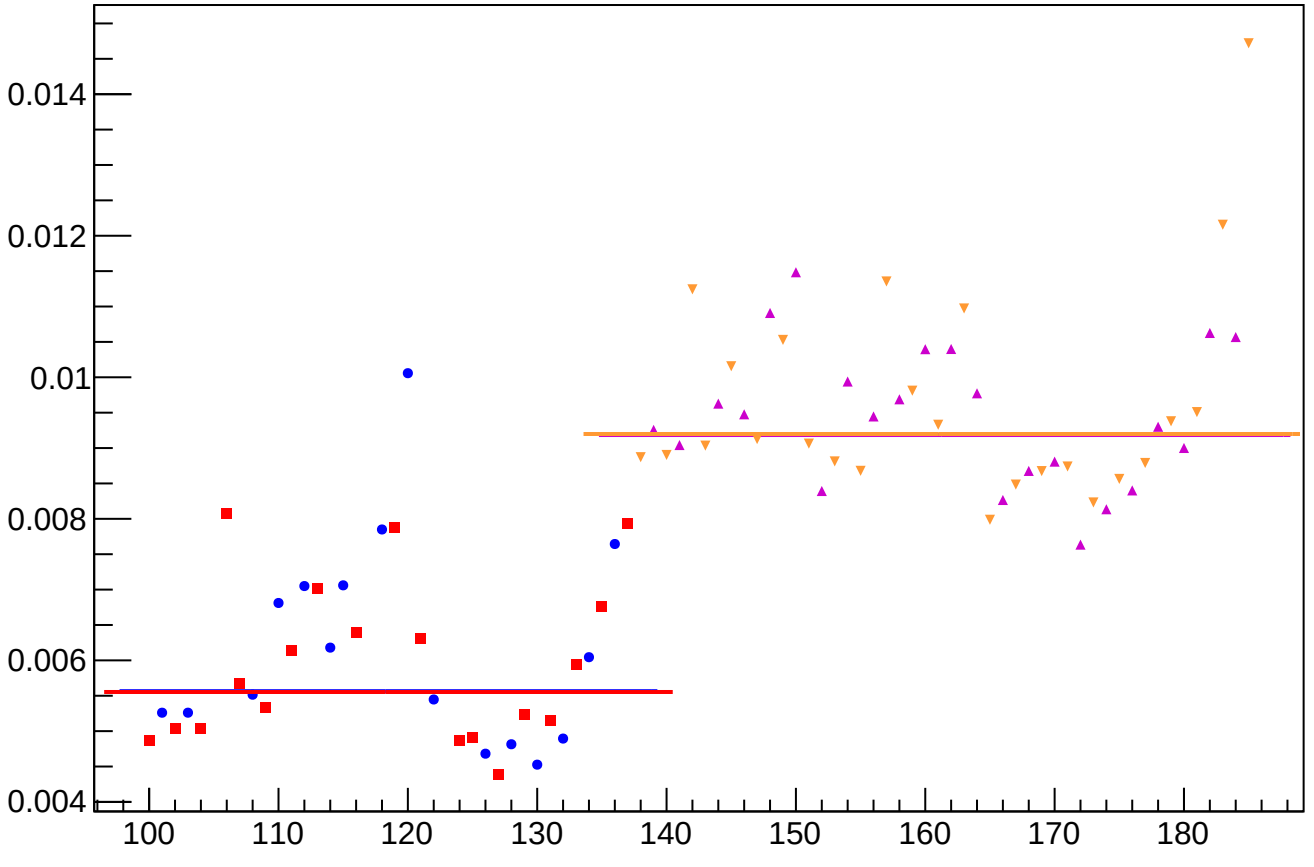
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.121+/-0.000 χ^2/NDF: 138475786309.1/40

All: -6.113+/-0.000 χ^2/NDF: 257150373786.5

- sign -6.106+/-0.000 χ^2/NDF: 118629132055.9/41



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

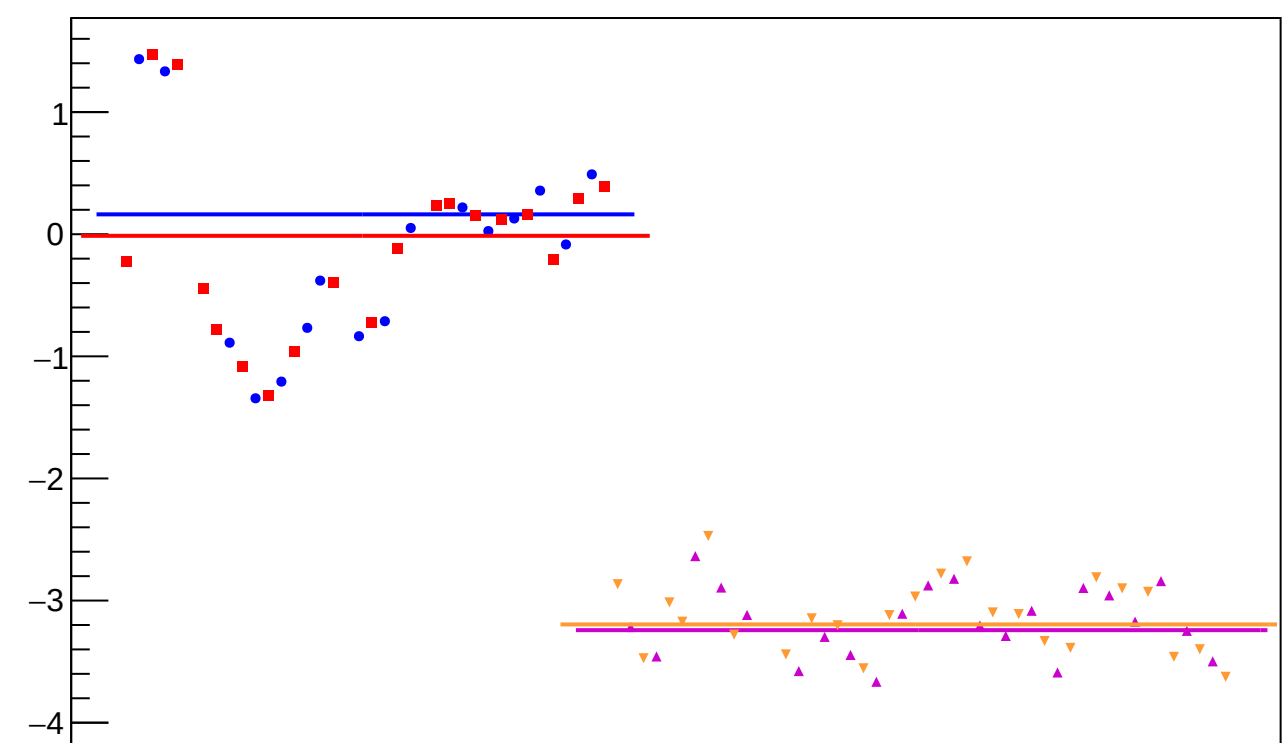
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3429908.6/40

All: 0.007+/-0.000 χ^2/NDF: 6697685.5/82

- 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: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

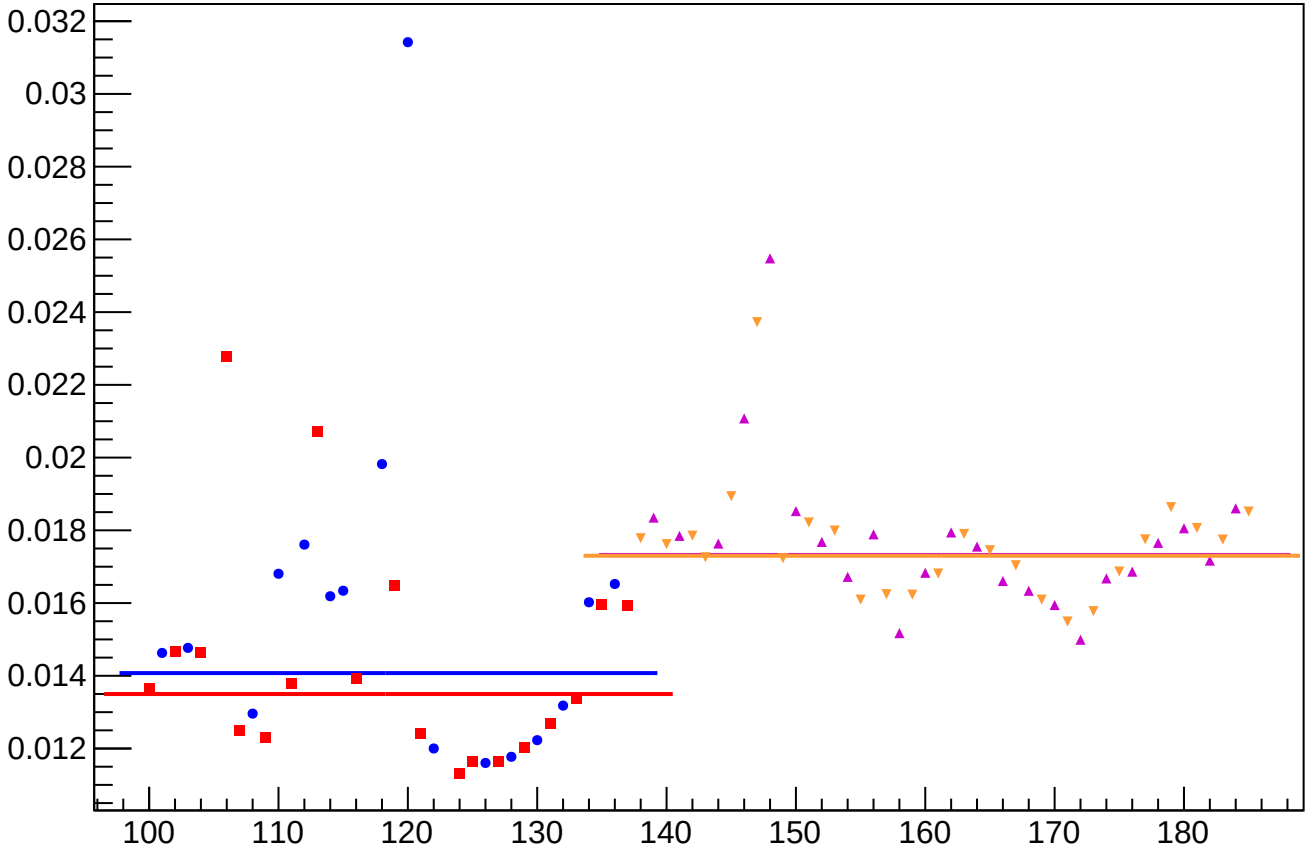
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.057+/-0.000 χ^2/NDF: 264762284218.6/40

All: -2.021+/-0.000 χ^2/NDF: 532370477927.5

- 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:218030.0/24

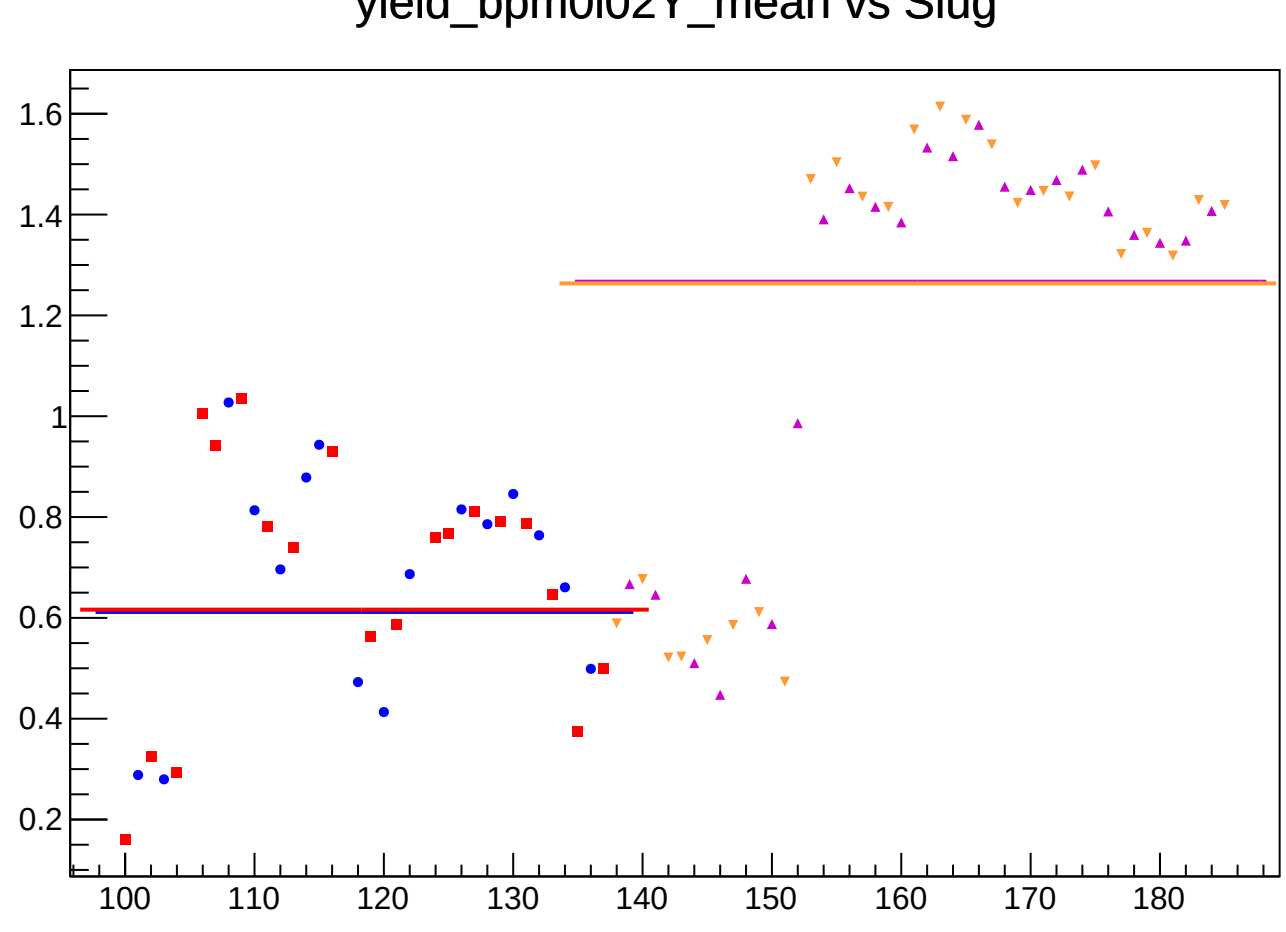
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1121672.9/40

All: 0.016+/-0.000 χ^2/NDF: 2443990.1/82

- 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: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

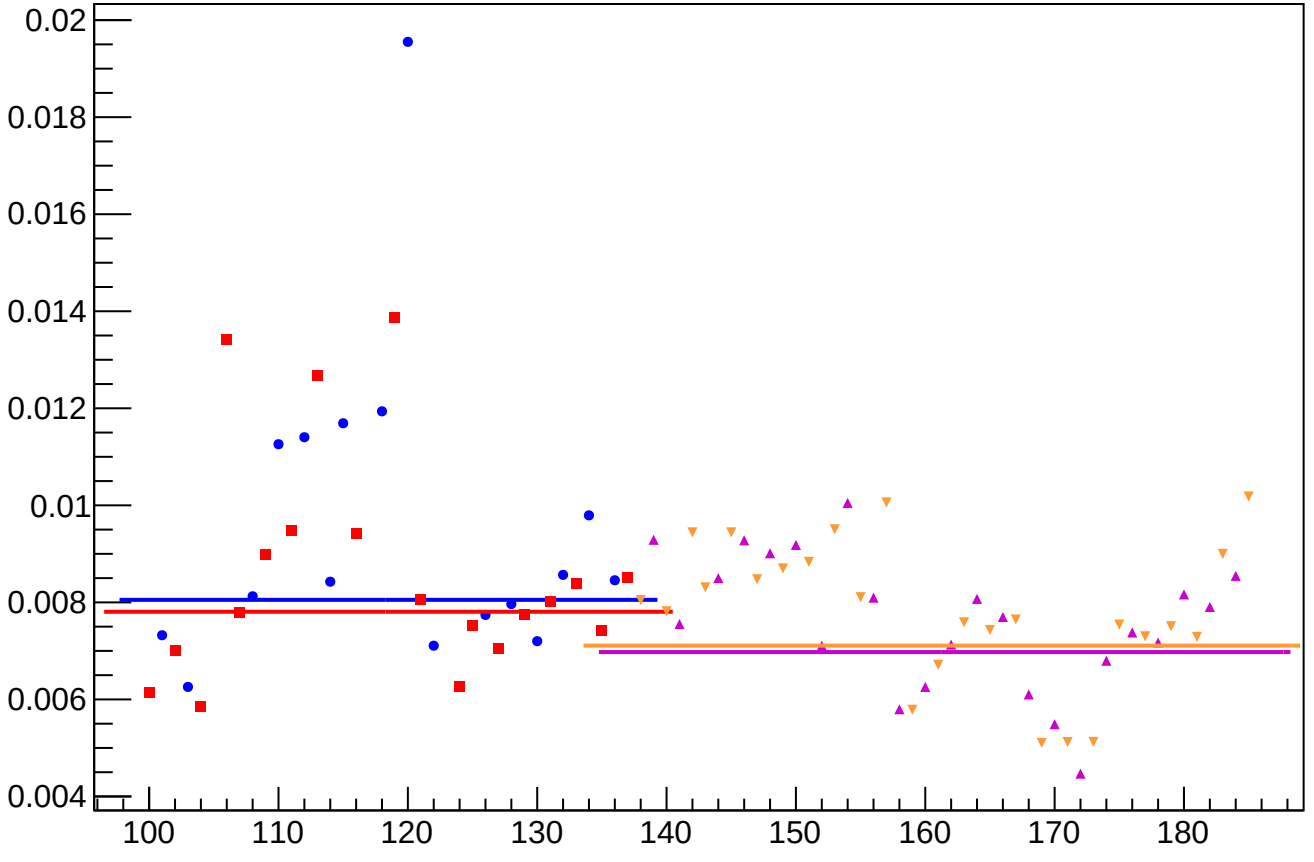
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.121+/-0.000 χ^2/NDF: 82561519879.2/40

All: 1.116+/-0.000 χ^2/NDF: 160466921467.4

- 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:1519295.8/24

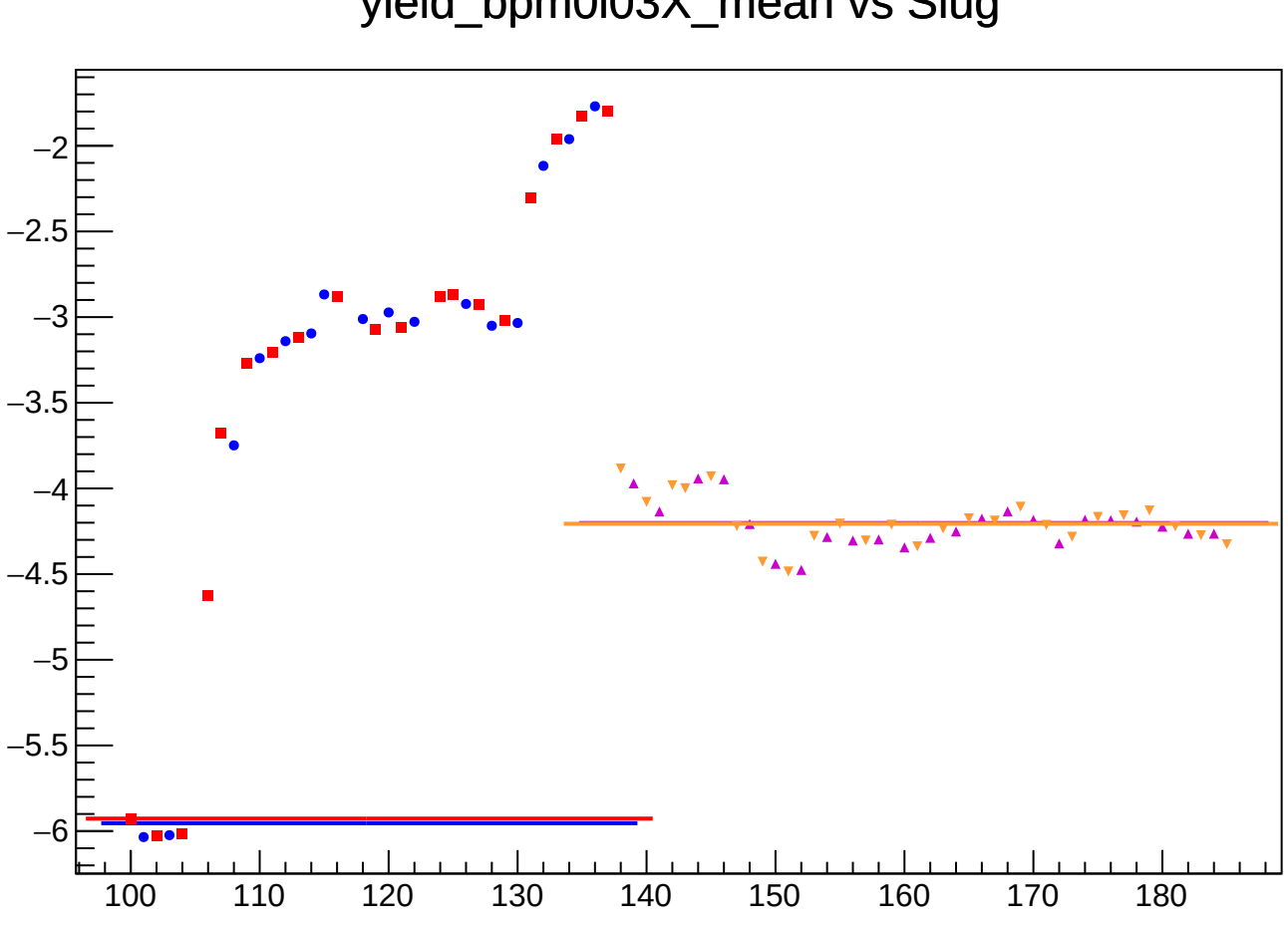
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 2248907.6/40

All: 0.007+/-0.000 χ^2/NDF: 4412138.9/82

- 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: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

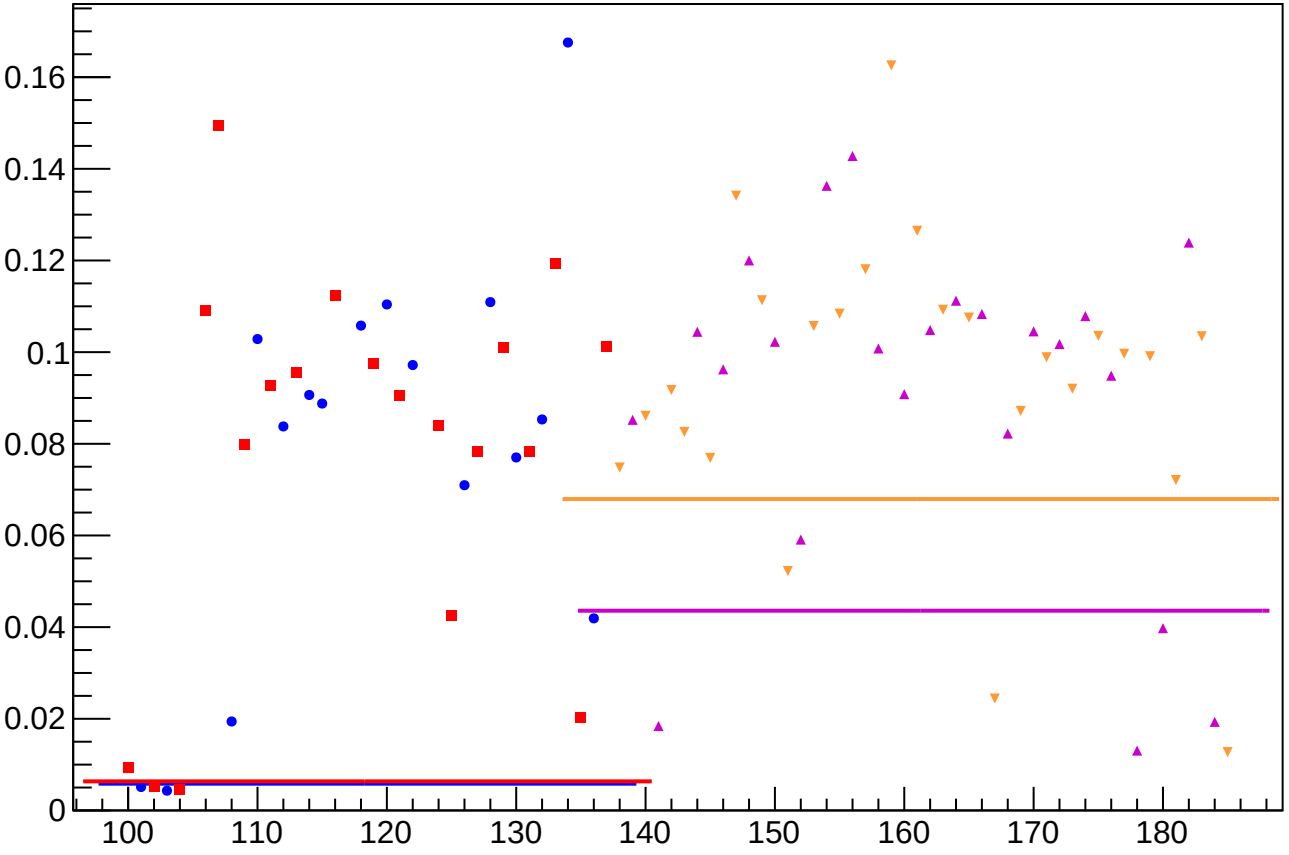
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -5.868+/-0.000 χ^2/NDF: 20892130511.3/40

All: -5.825+/-0.000 χ^2/NDF: 46180079392.0/

- 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: 0.068+/-0.000 χ^2/NDF:7631751.0/24

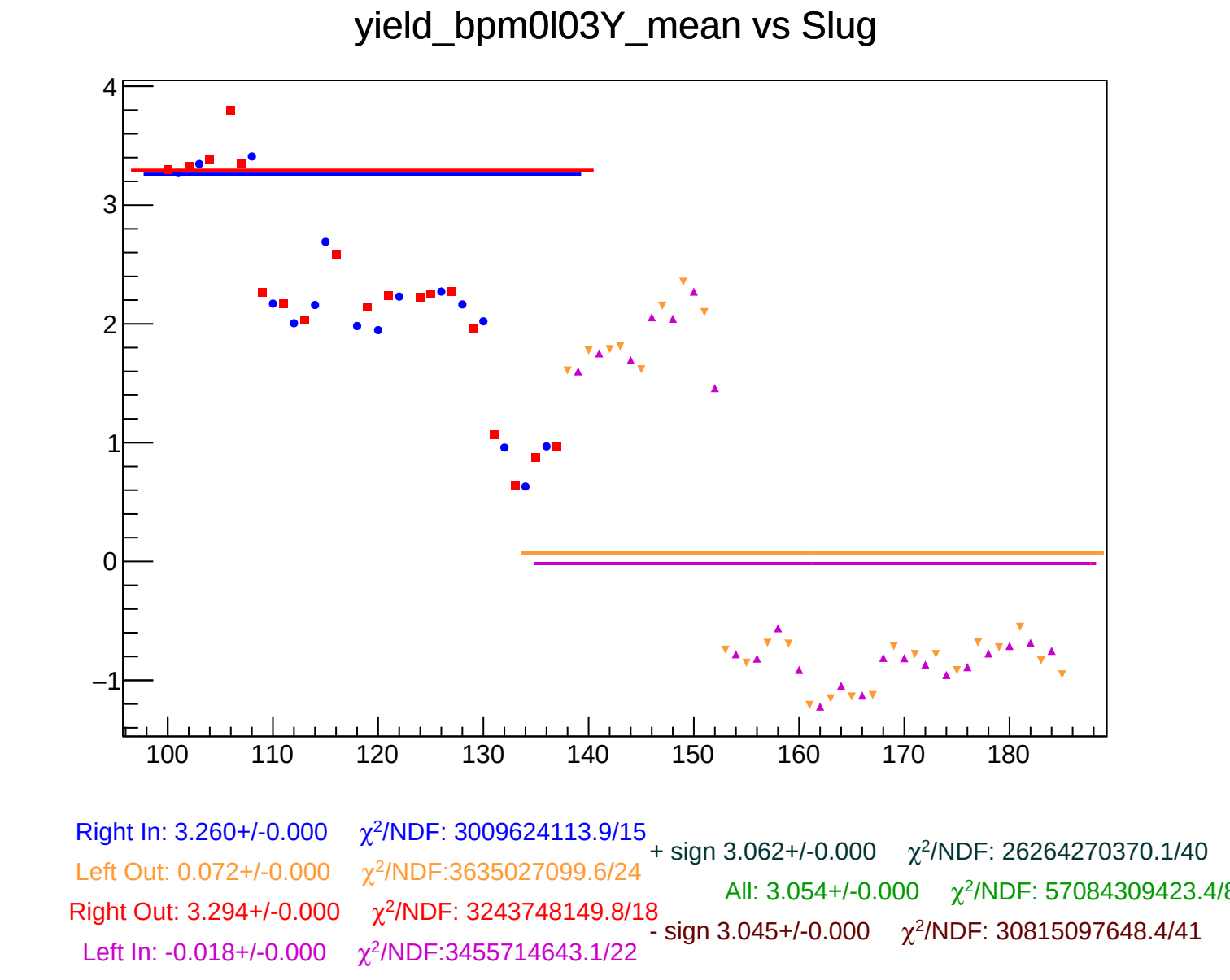
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

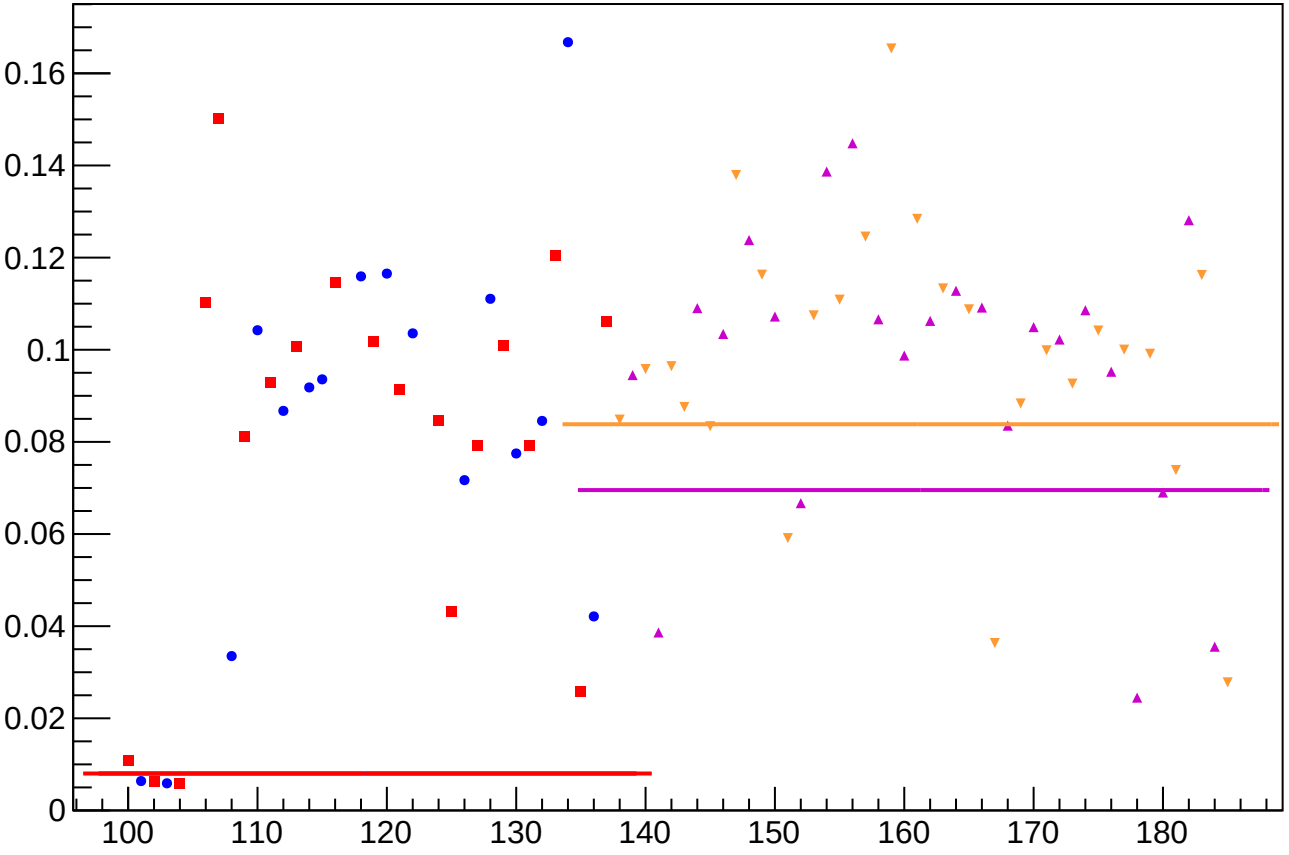
+ sign 0.009+/-0.000 χ^2/NDF: 35853428.1/40

All: 0.009+/-0.000 χ^2/NDF: 67740518.3/82

- 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: 0.072+/-0.000 χ²/NDF:3635027099.6/24
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: -0.018+/-0.000 χ²/NDF:3455714643.1/22
+ sign 3.062+/-0.000 χ²/NDF: 26264270370.1/40
All: 3.054+/-0.000 χ²/NDF: 57084309423.4/8
- 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: 0.084+/-0.000 χ^2/NDF:3830160.2/24

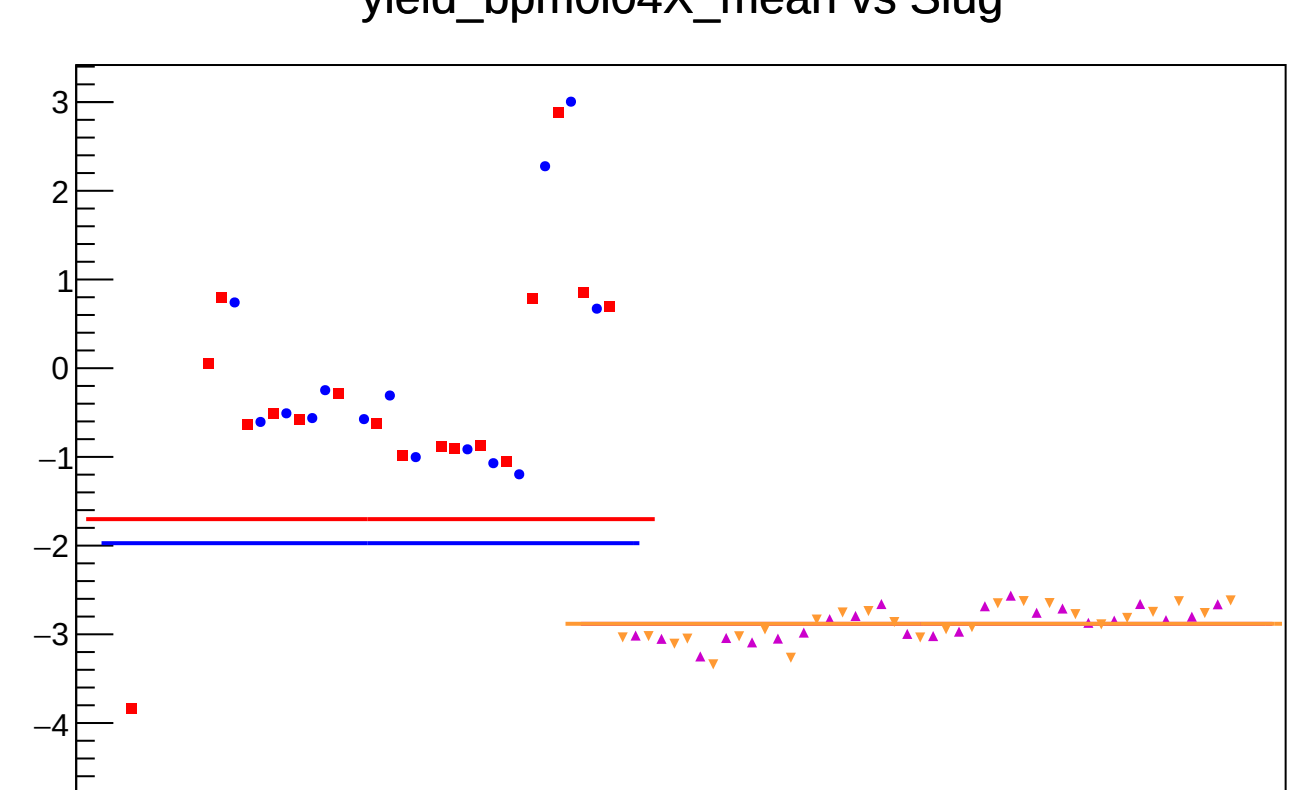
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 34421692.9/40

All: 0.013+/-0.000 χ^2/NDF: 66308777.1/82

- 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: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

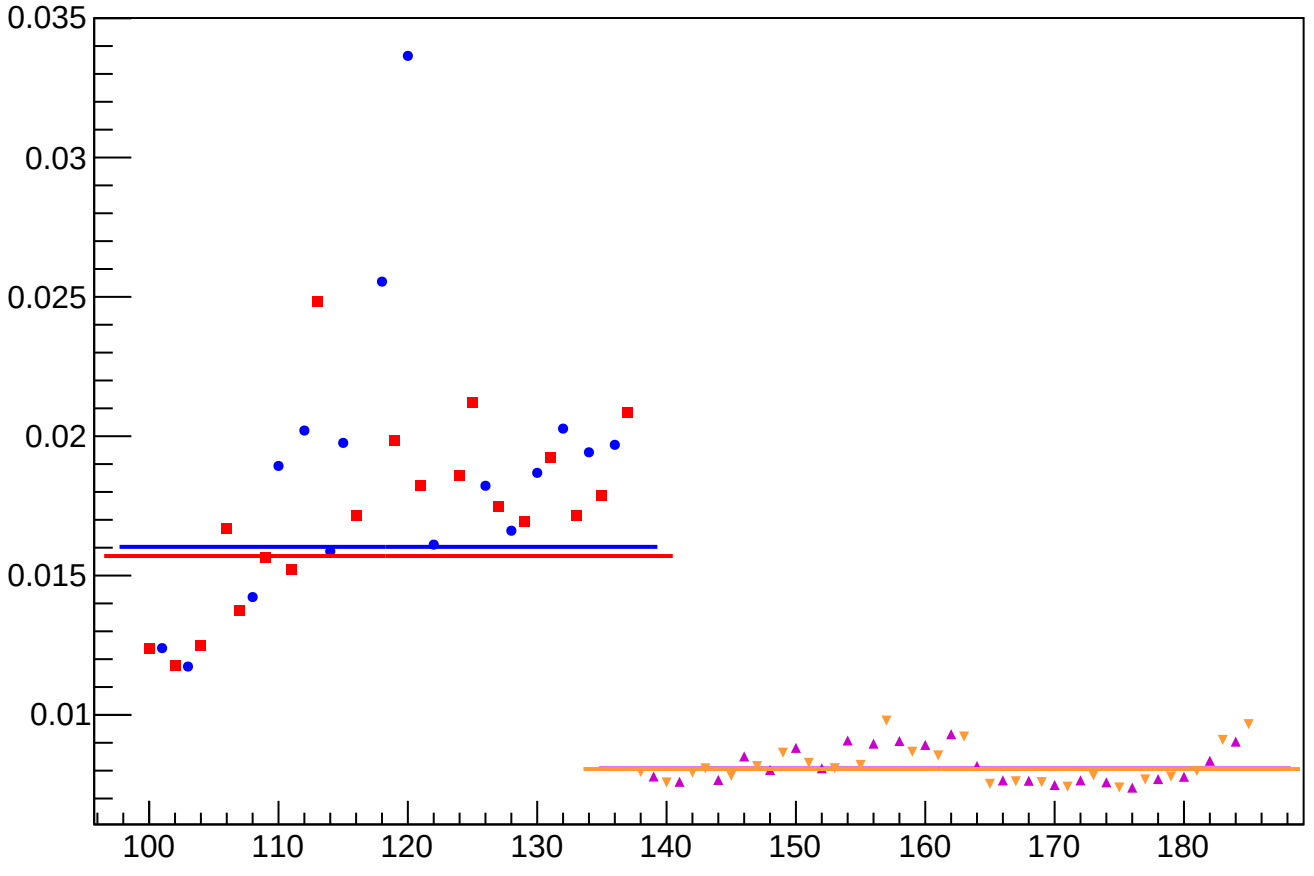
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.814+/-0.000 χ^2/NDF: 189847310921.7/40

All: -2.797+/-0.000 χ^2/NDF: 399343137039.1

- 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:185446.1/24

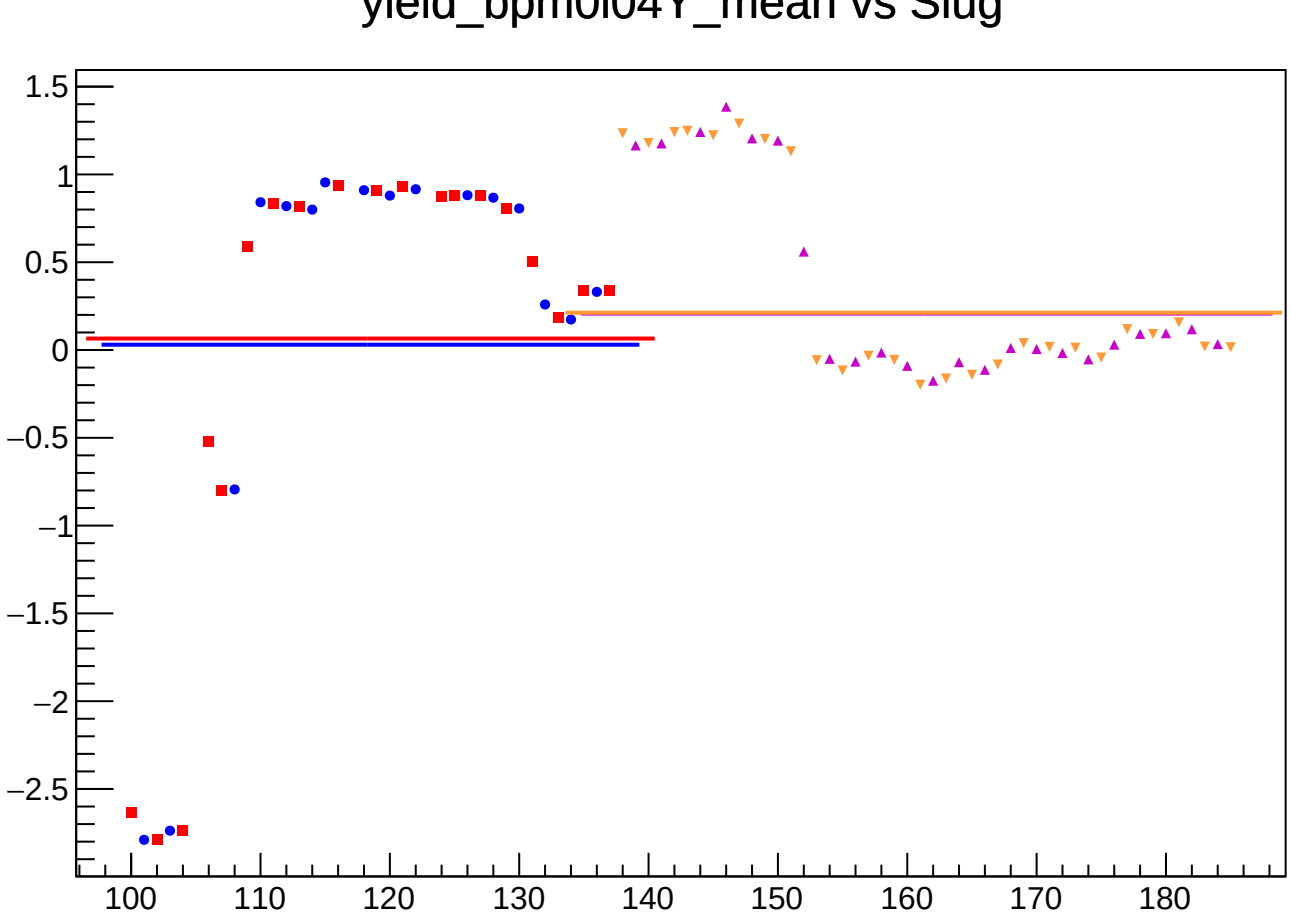
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 3587471.0/40

All: 0.009+/-0.000 χ^2/NDF: 7014900.5/82

- 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: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

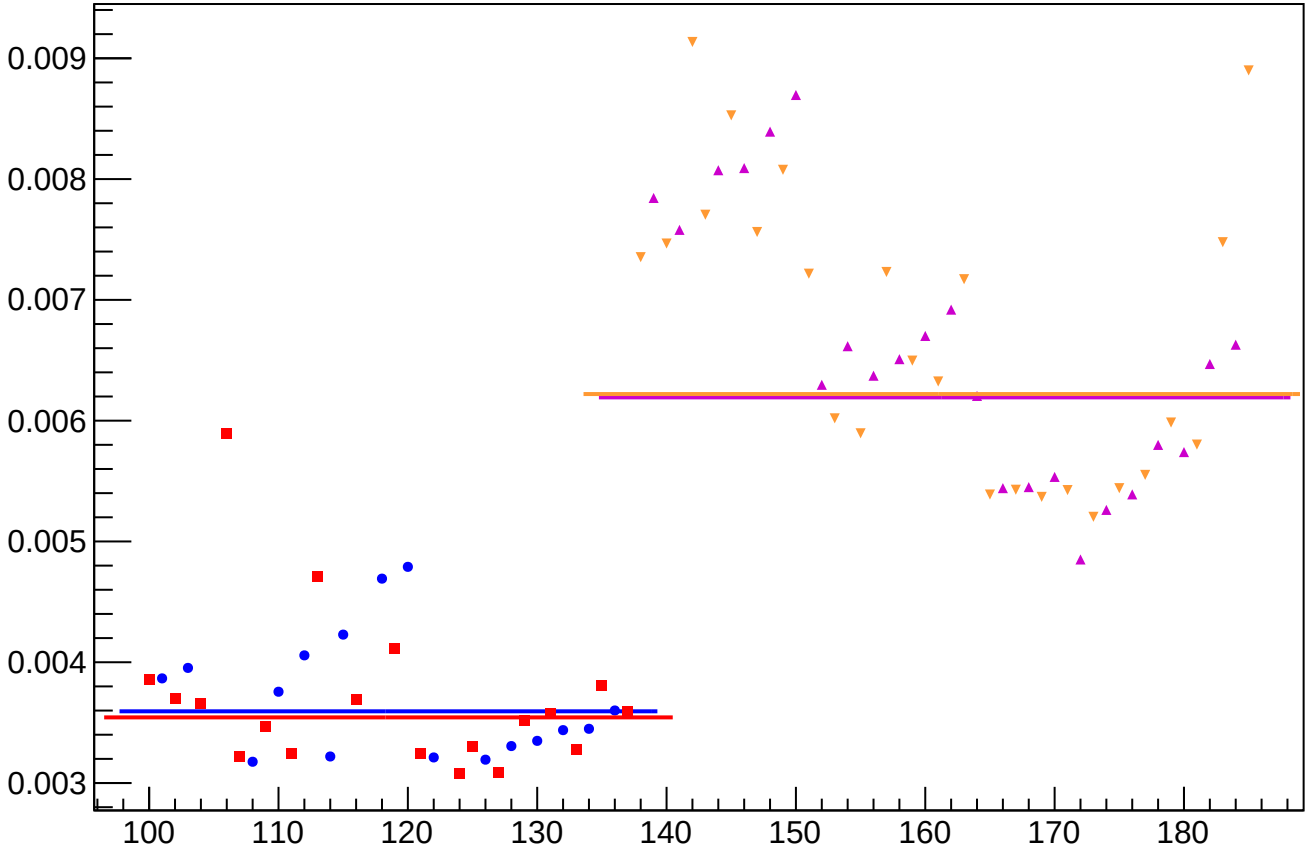
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.113+/-0.000 χ^2/NDF: 962343798875.2/40

All: 0.119+/-0.000 χ^2/NDF: 1989809975655.

- 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:813678.9/24

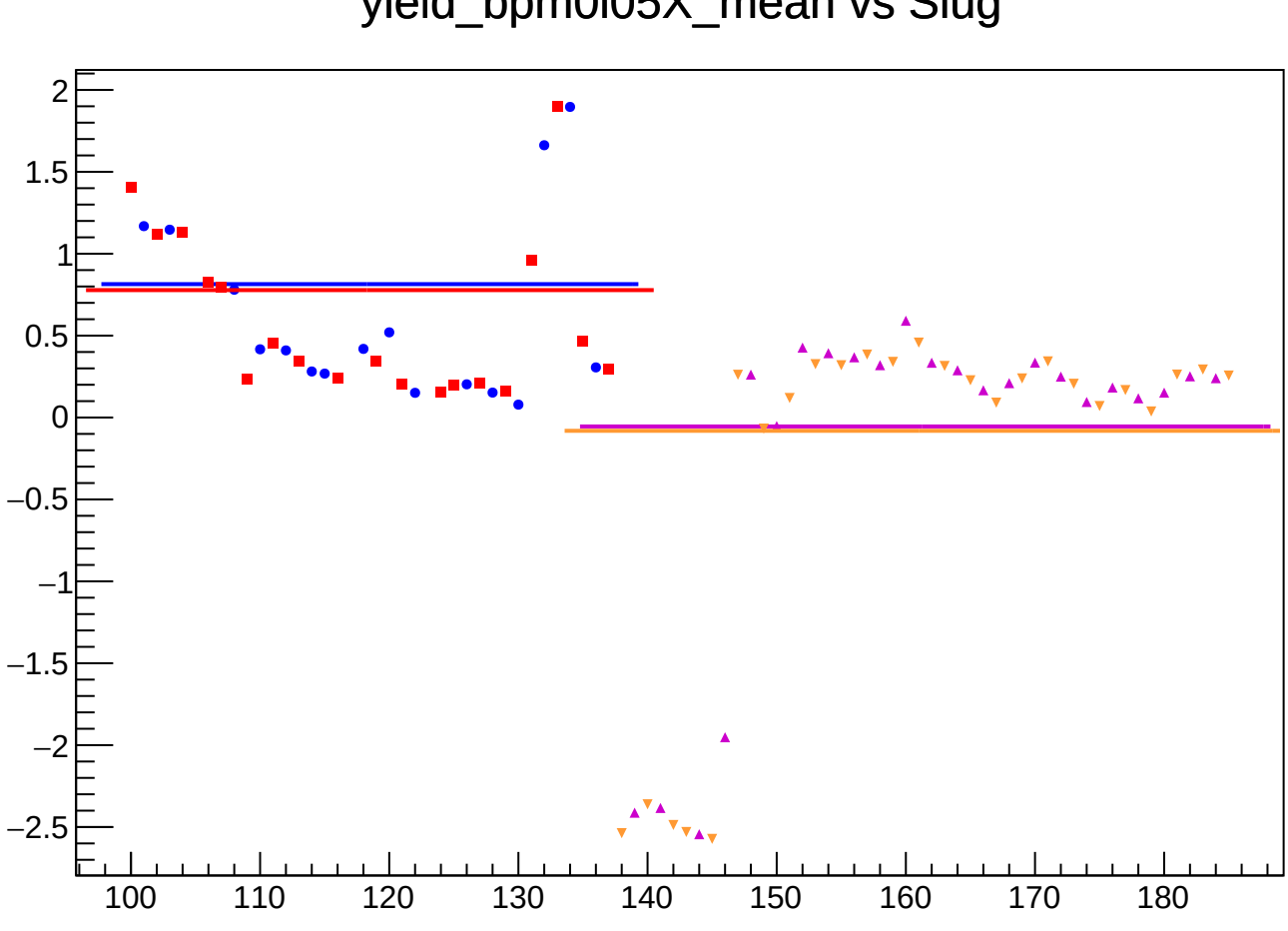
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4245925.5/40

All: 0.005+/-0.000 χ^2/NDF: 8635531.4/82

- 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: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

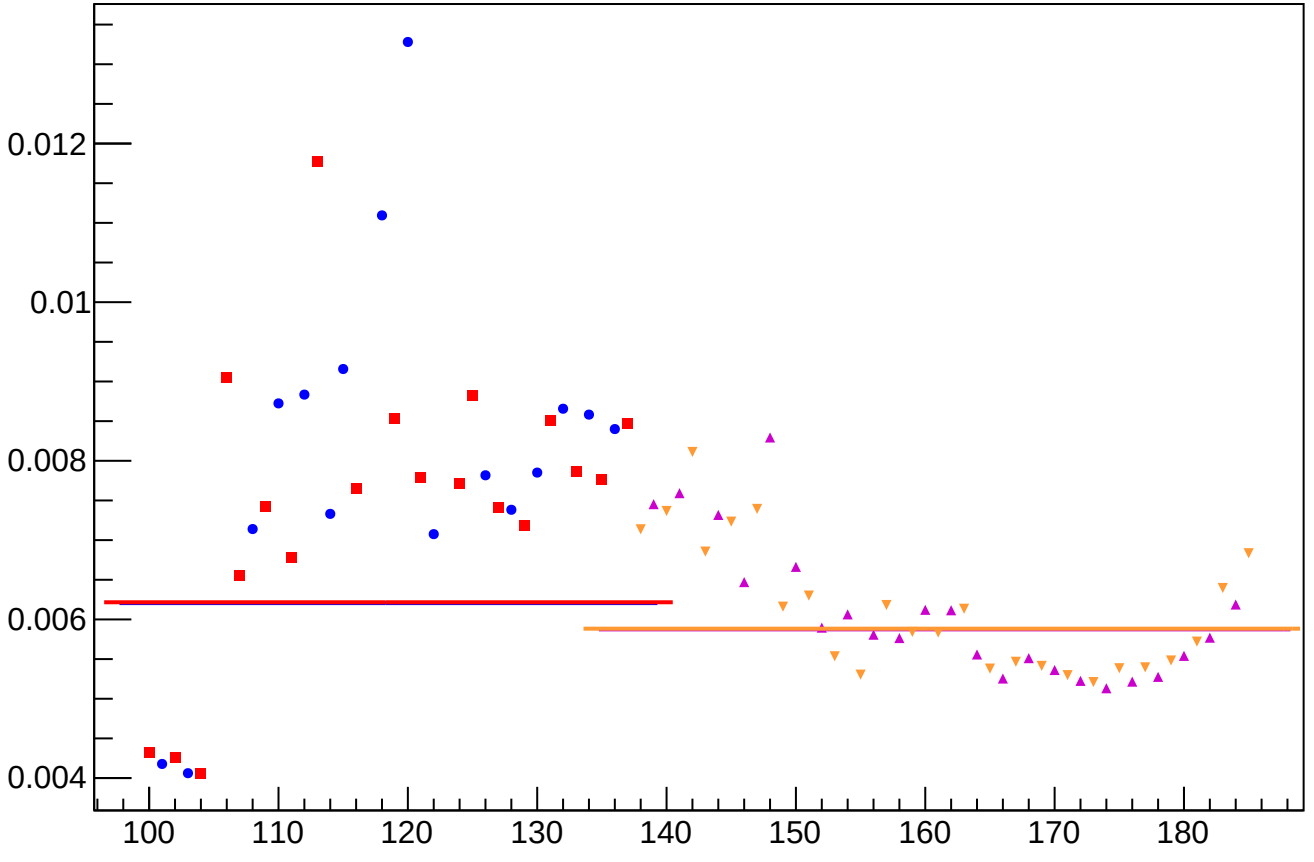
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.117+/-0.000 χ^2/NDF: 513805264376.7/40

All: 0.132+/-0.000 χ^2/NDF: 977324271655.0

- 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:457789.1/24

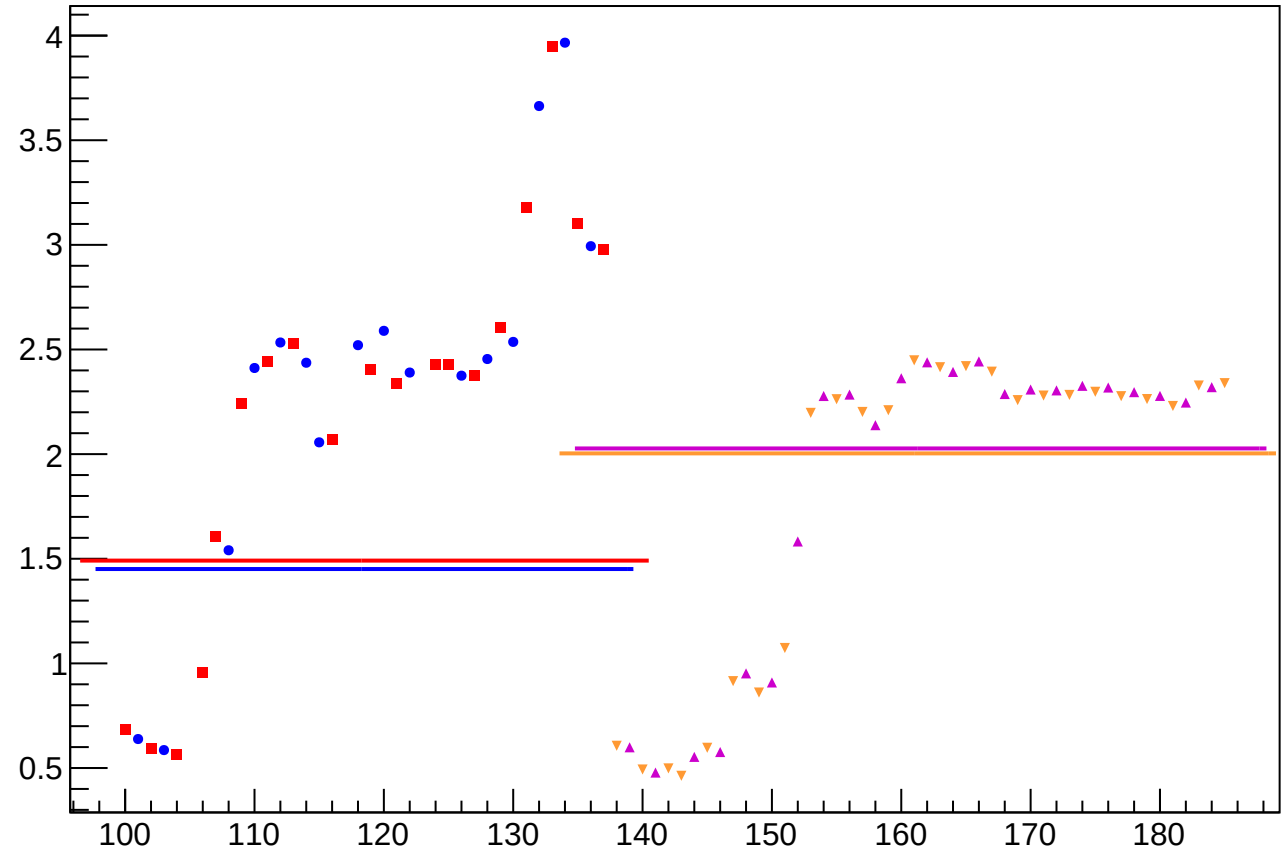
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1905054.9/40

All: 0.006+/-0.000 χ^2/NDF: 3615556.0/82

- 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: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

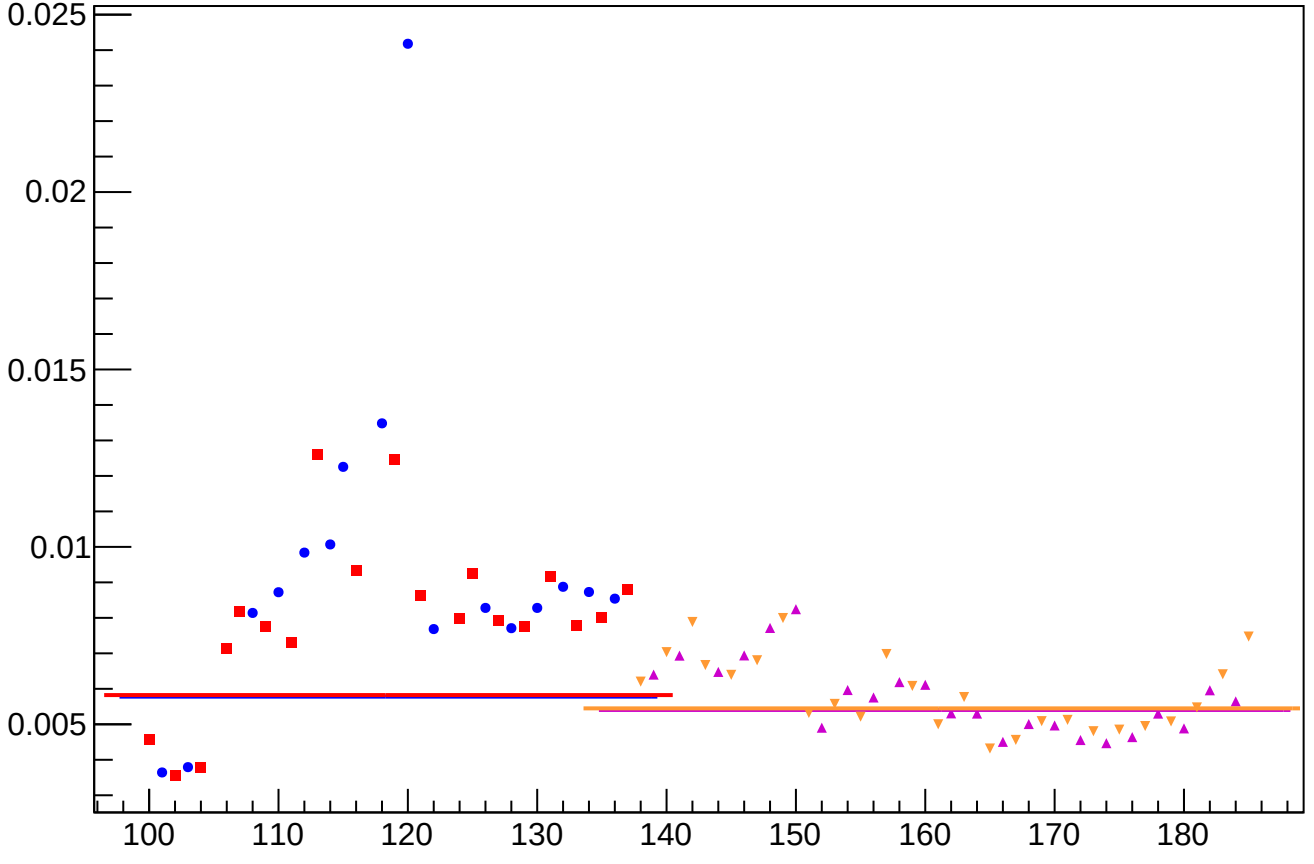
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.885+/-0.000 χ^2/NDF: 424787318143.1/40

All: 1.894+/-0.000 χ^2/NDF: 841852481047.6

- 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:771417.6/24

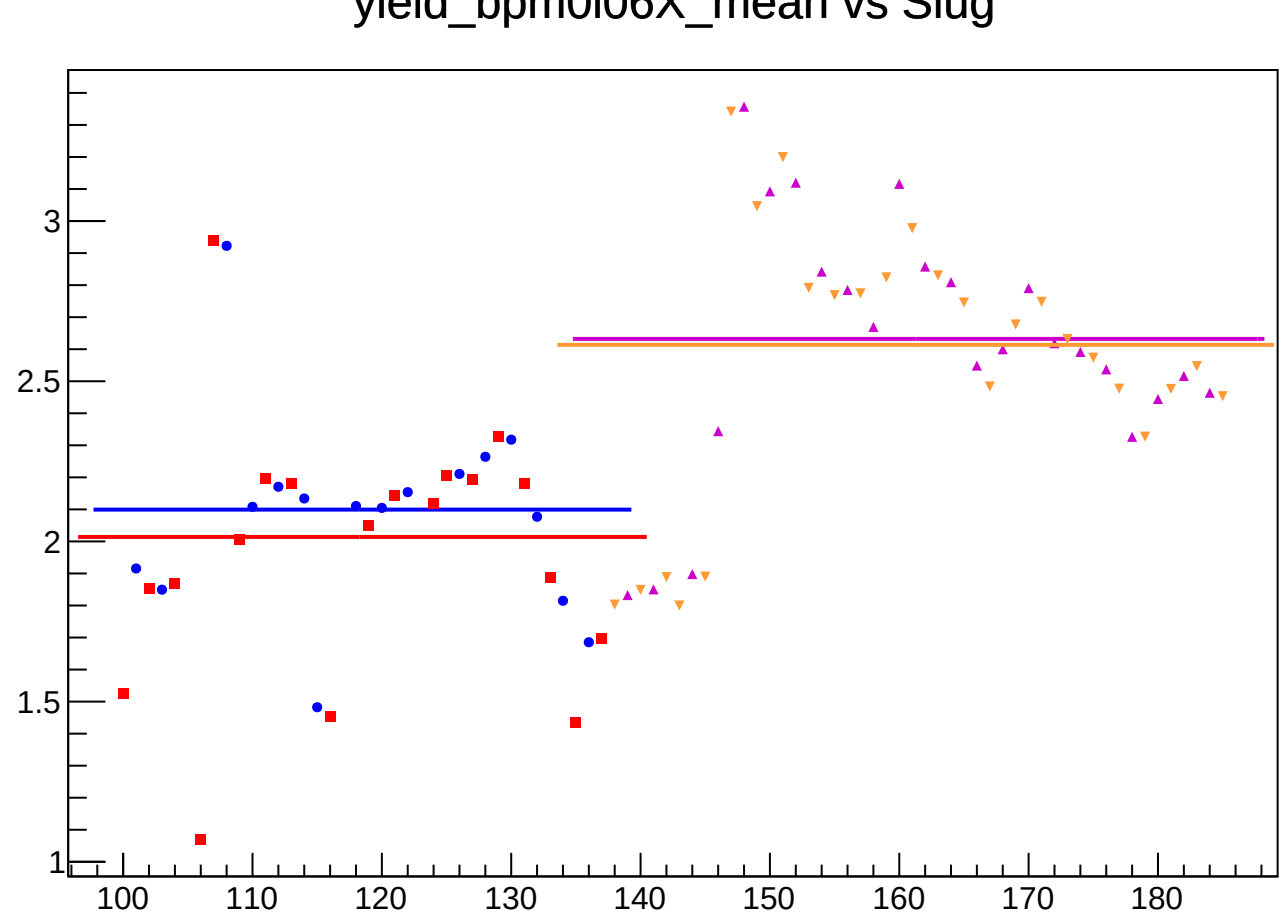
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 3011183.9/40

All: 0.006+/-0.000 χ^2/NDF: 5825699.4/82

- 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: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

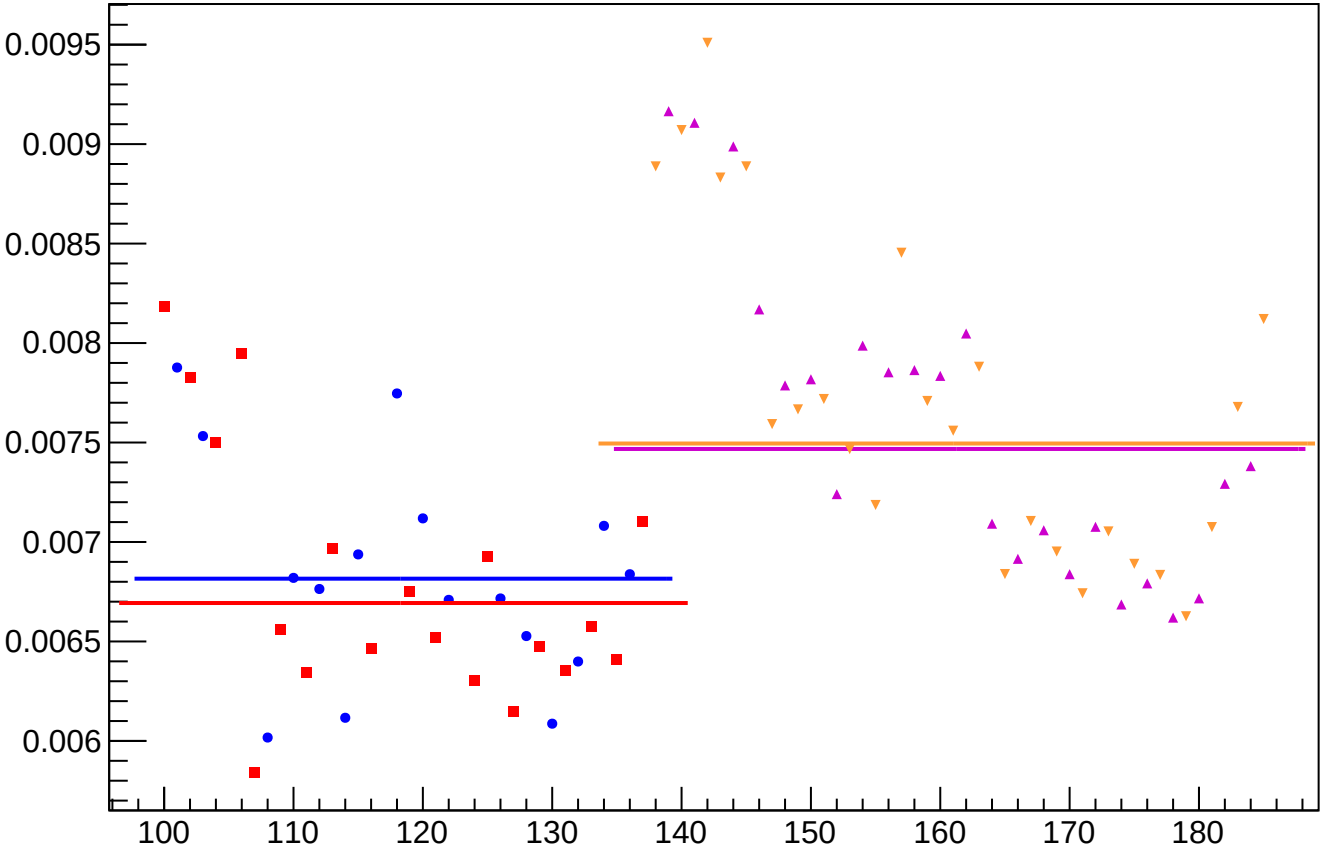
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.453+/-0.000 χ^2/NDF: 87041672683.3/40

All: 2.438+/-0.000 χ^2/NDF: 187671791038.5

- 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:332673.2/24

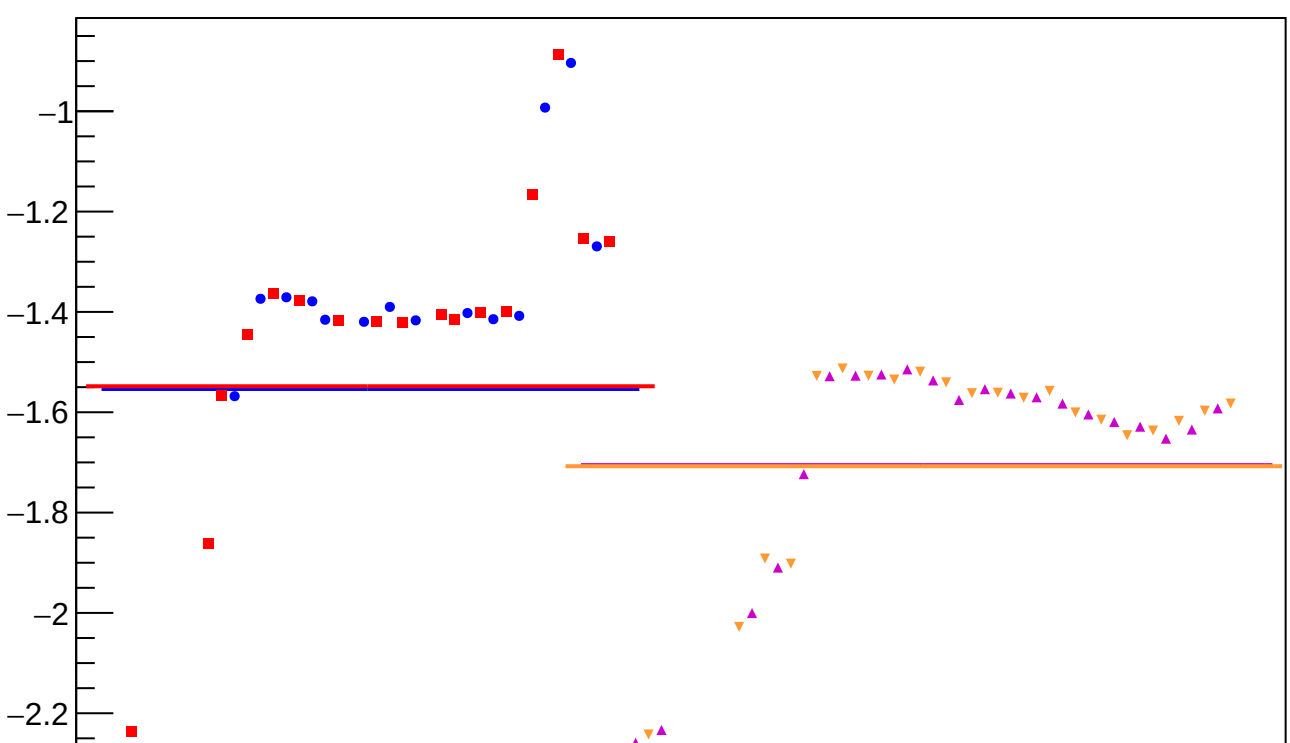
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 512697.1/40

All: 0.007+/-0.000 χ^2/NDF: 1051606.4/82

- 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: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

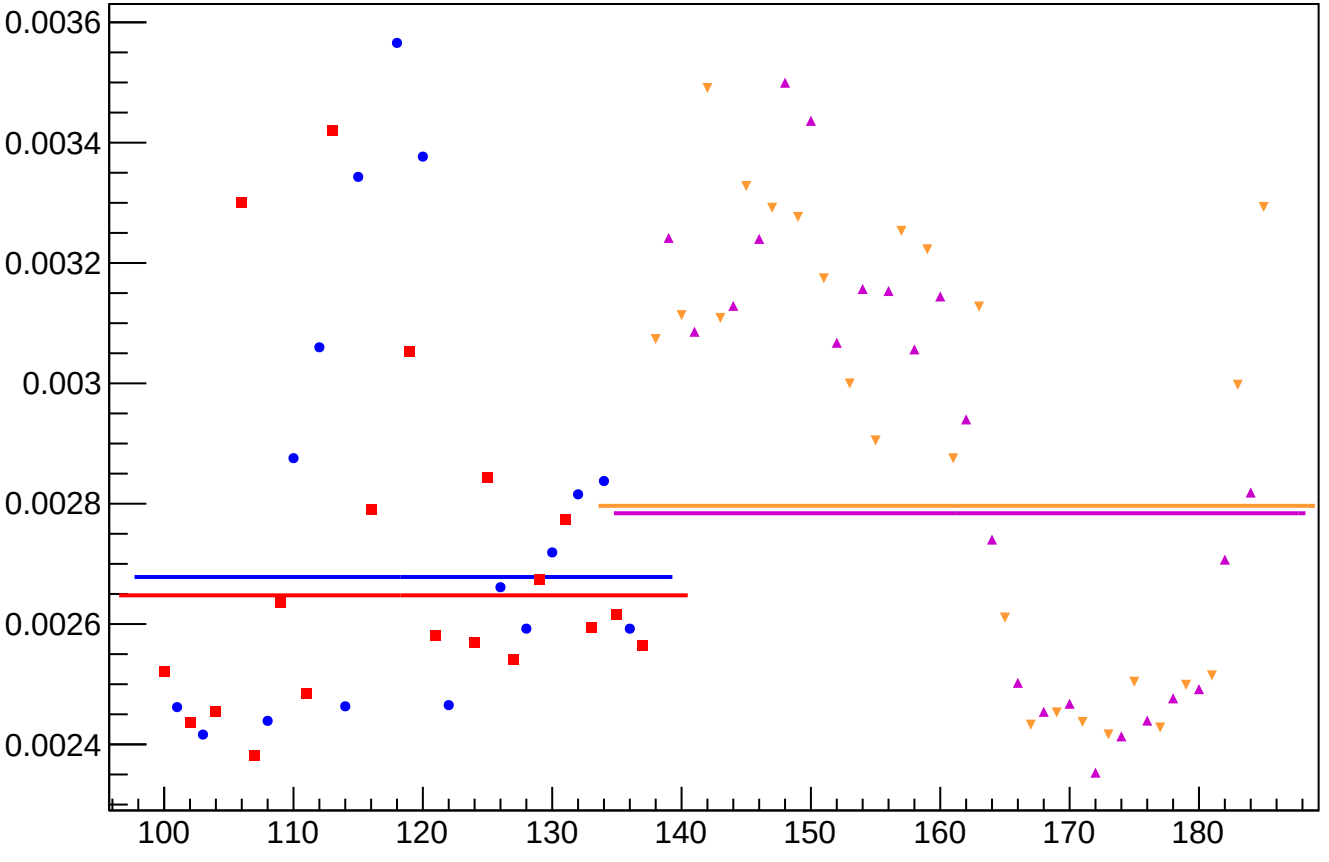
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.663+/-0.000 χ^2/NDF: 342768833680.8/40

All: -1.660+/-0.000 χ^2/NDF: 671119804215.9

- sign -1.656+/-0.000 χ^2/NDF: 328279736880.3/41

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

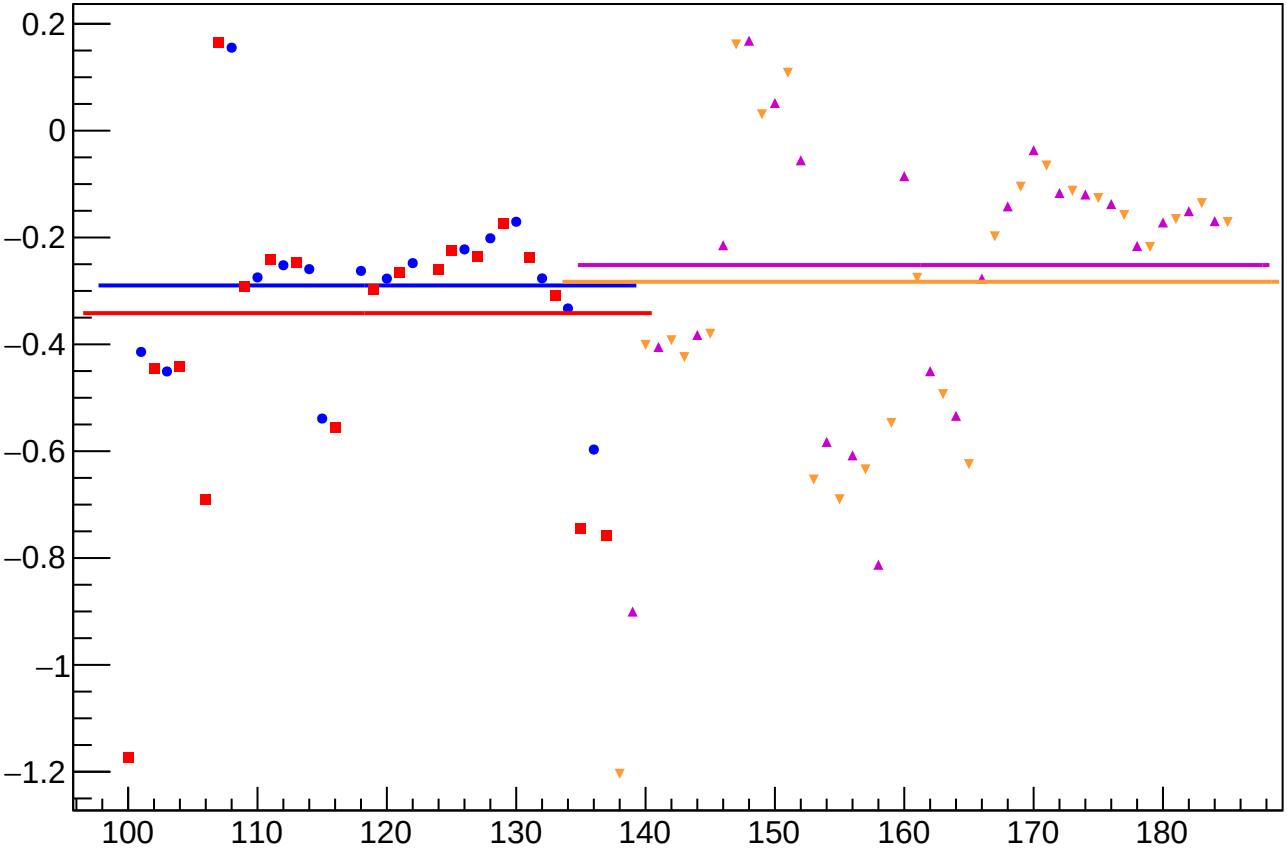
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 724226.5/40

All: 0.003+/-0.000 χ^2/NDF: 1424466.8/82

- sign 0.003+/-0.000 χ^2/NDF: 698869.7/41

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

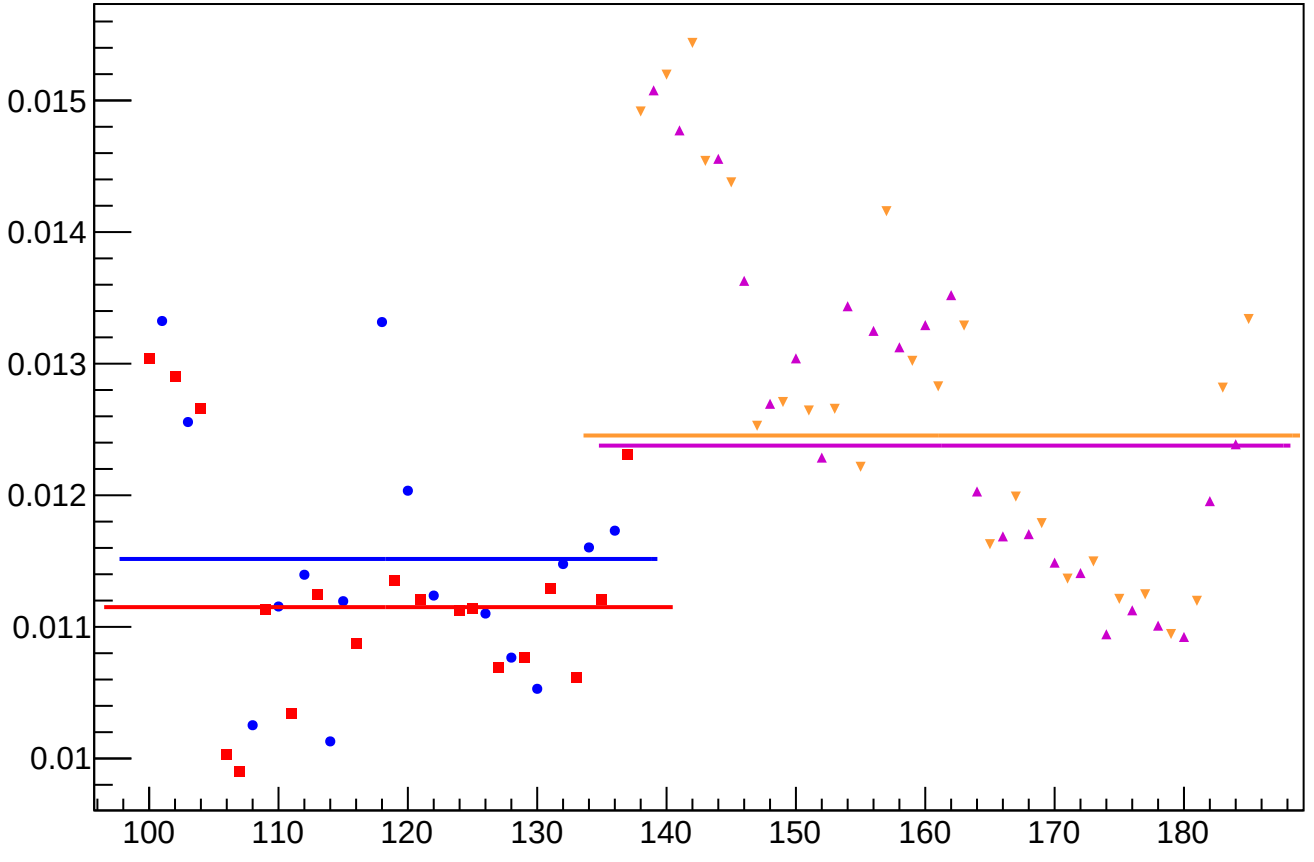
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.285+/-0.000 χ^2/NDF: 10990408323.3/40

All: -0.284+/-0.000 χ^2/NDF: 21079417756.5/

- 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:341430.5/24

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

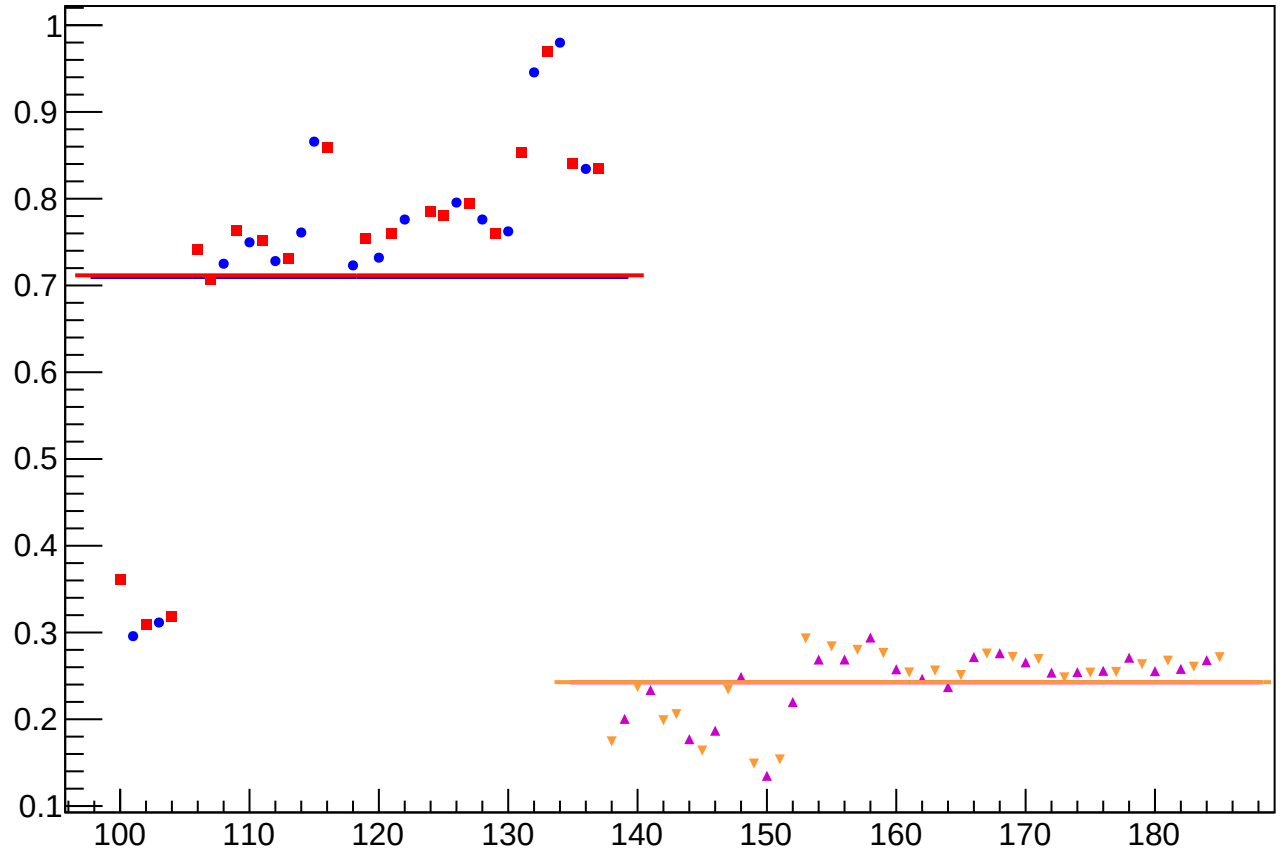
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 489276.8/40

All: 0.012+/-0.000 χ^2/NDF: 1009941.2/82

- 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: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

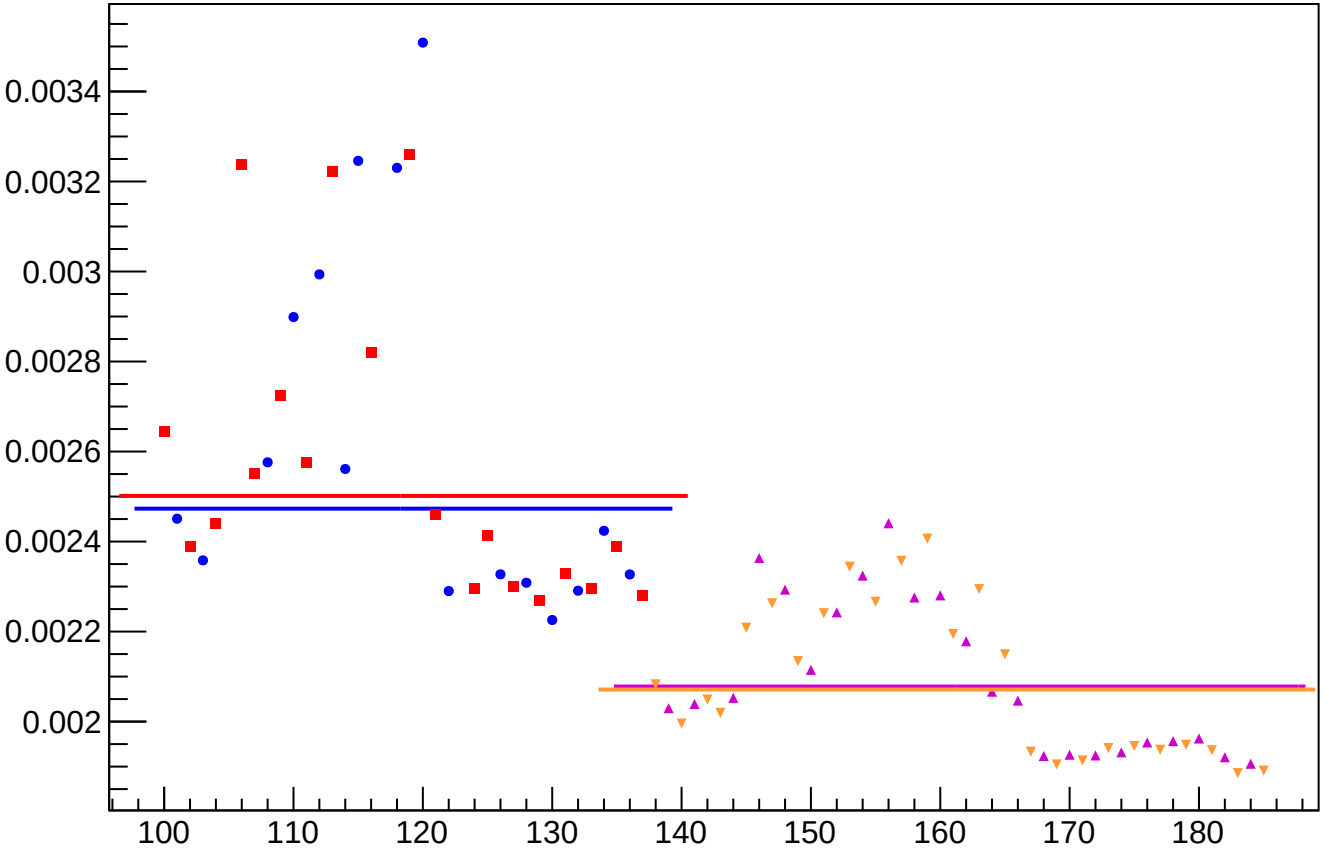
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.336+/-0.000 χ^2/NDF: 250560291998.9/40

All: 0.339+/-0.000 χ^2/NDF: 495641140808.1

- 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:233799.0/24

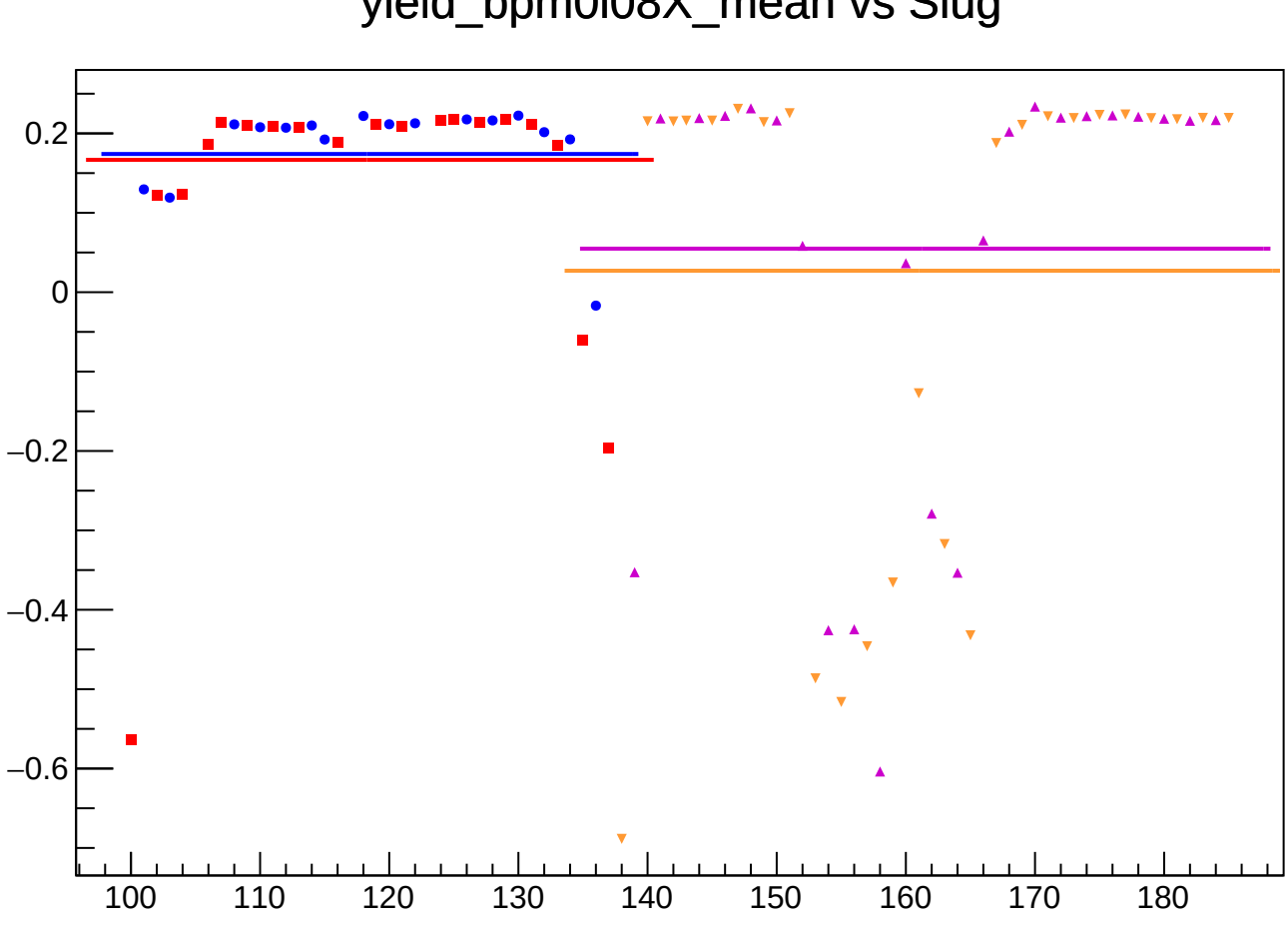
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 729859.9/40

All: 0.002+/-0.000 χ^2/NDF: 1438105.5/82

- 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: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

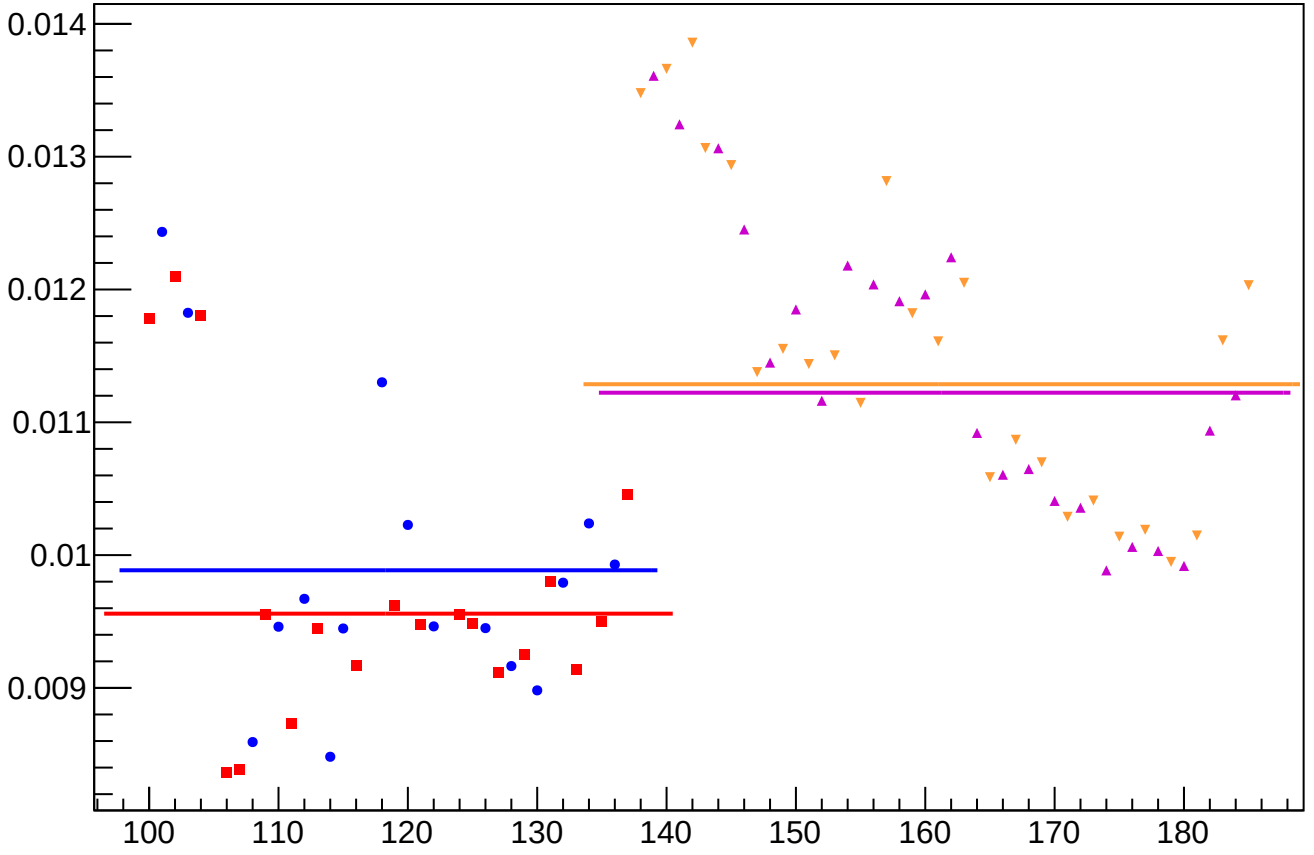
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.075+/-0.000 χ^2/NDF: 14395949250.6/40

All: 0.086+/-0.000 χ^2/NDF: 25665807587.7/8

- 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:328248.0/24

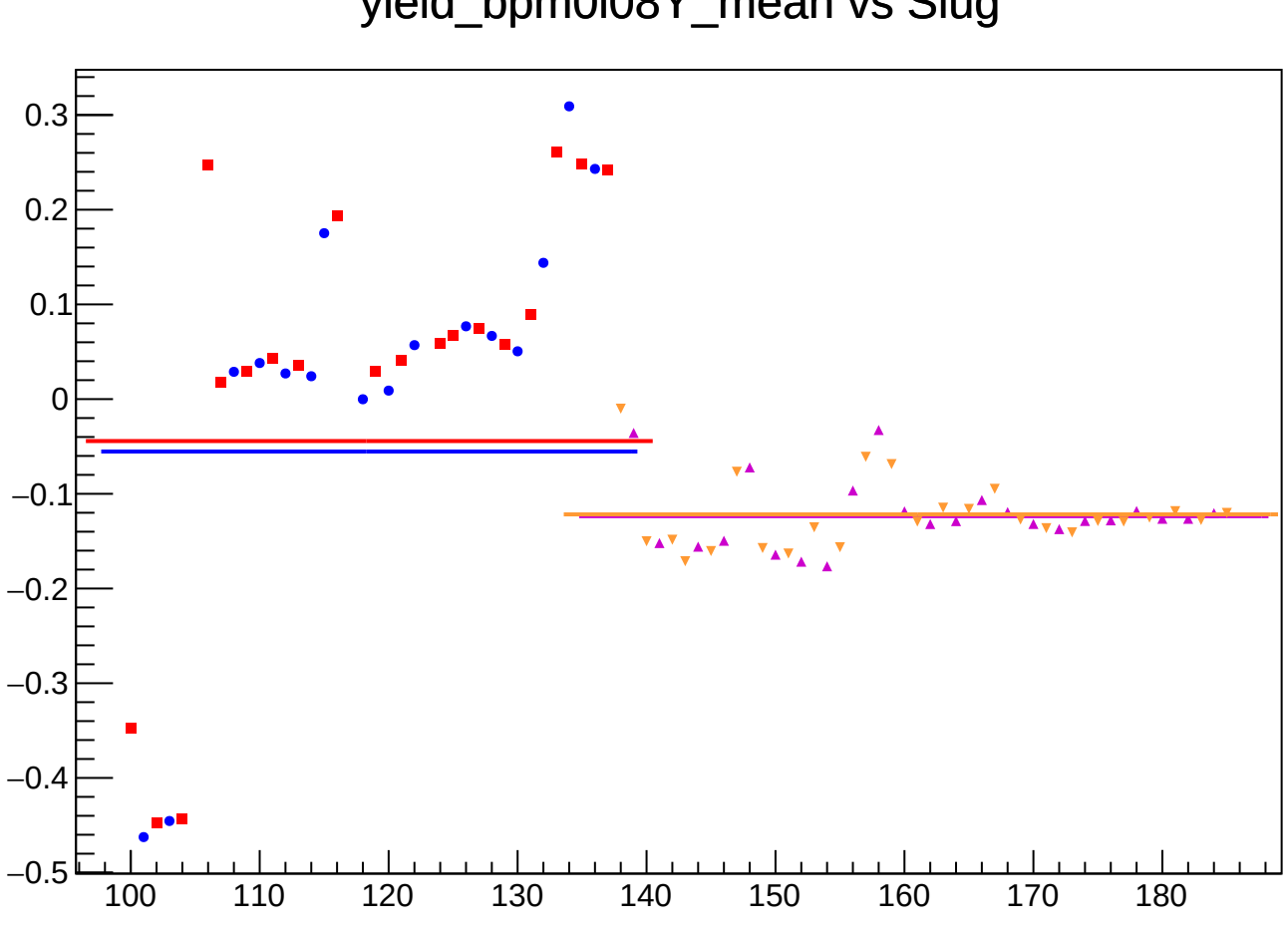
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 661900.3/40

All: 0.011+/-0.000 χ^2/NDF: 1400212.2/82

- sign 0.011+/-0.000 χ^2/NDF: 728843.7/41



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

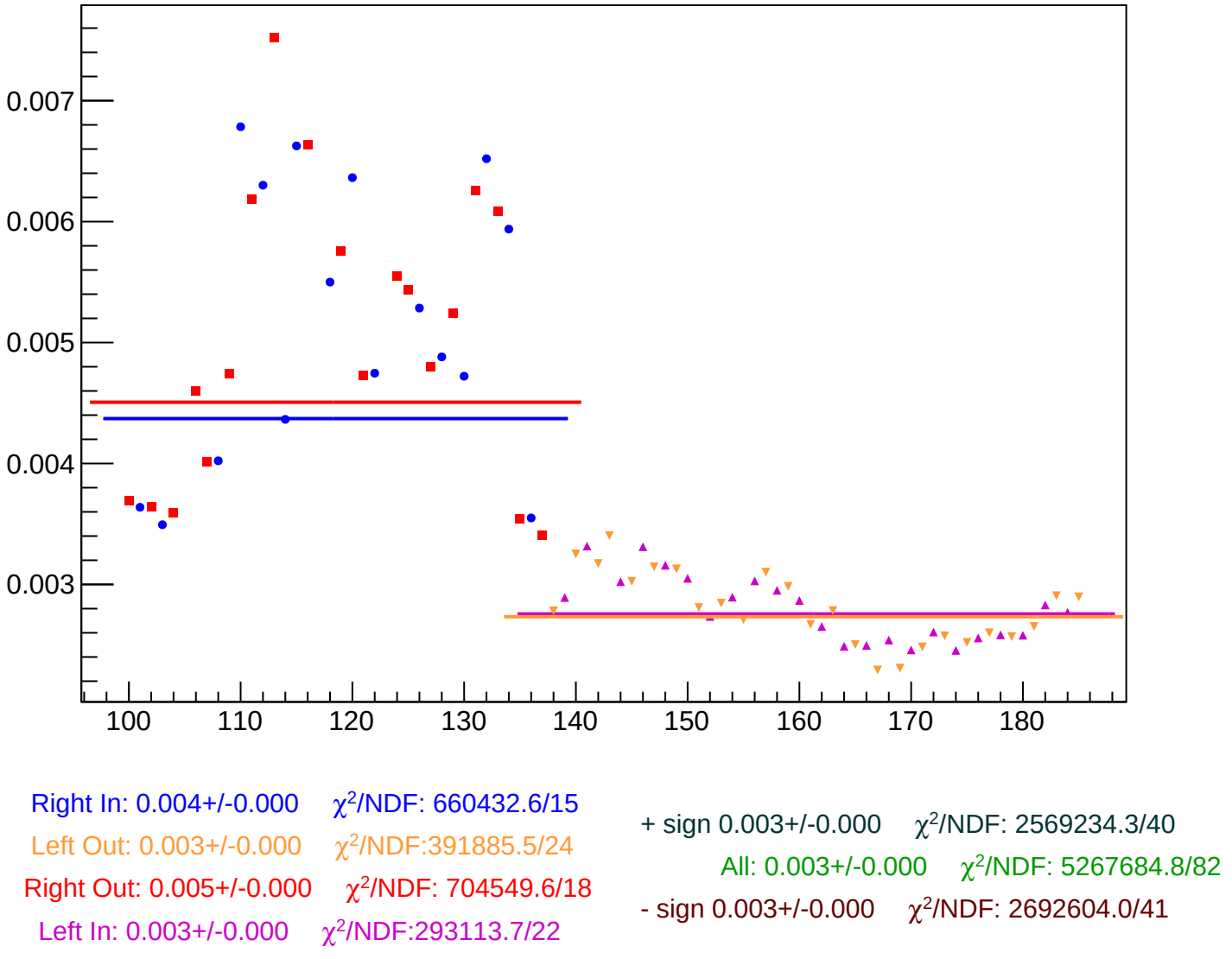
Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

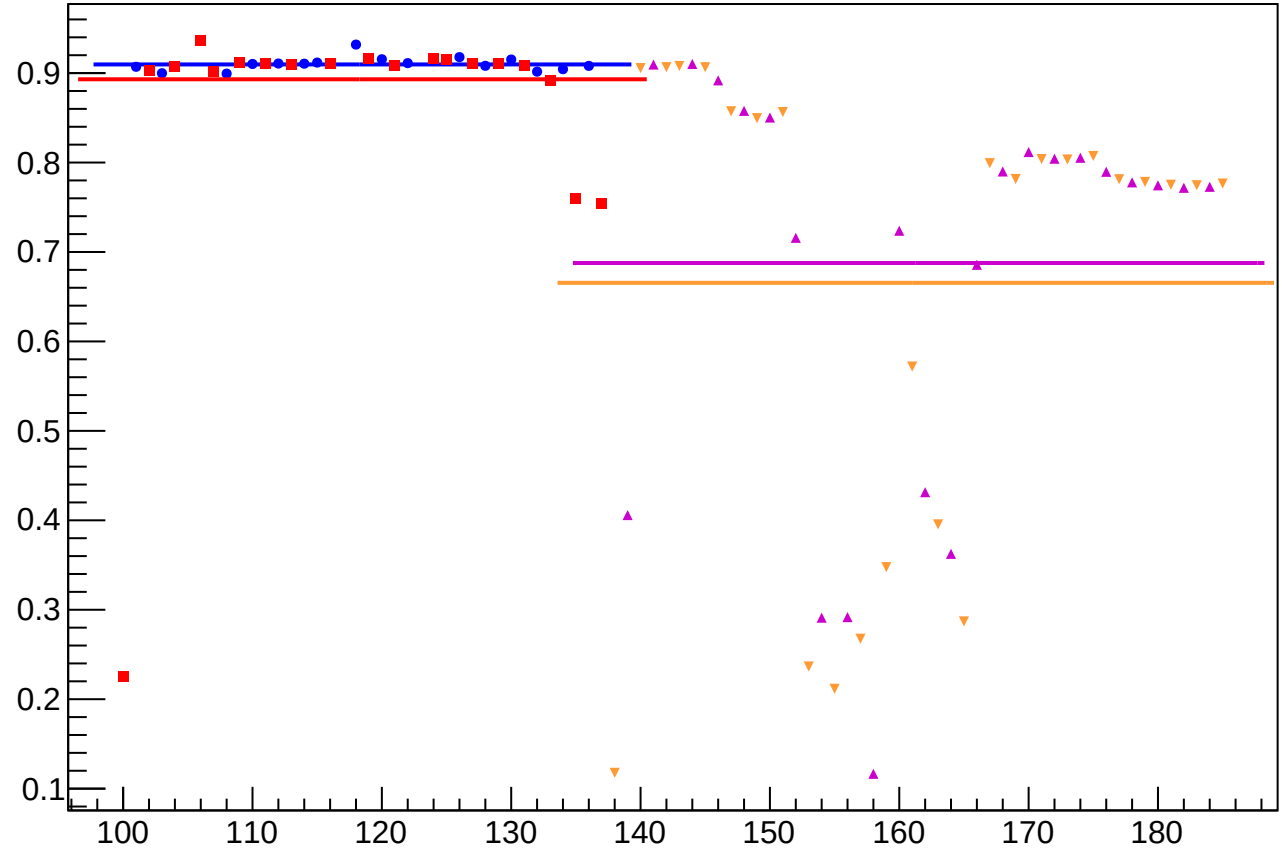
+ sign -0.114+/-0.000 χ^2/NDF: 28249922582.4/40

All: -0.114+/-0.000 χ^2/NDF: 54936739525.6/

- sign -0.114+/-0.000 χ^2/NDF: 26686812419.1/41


yield_bpm0l08Y_rms vs Slug
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
170
180
Right In: 0.004+/-0.000 χ²/NDF: 660432.6/15
Left Out: 0.003+/-0.000 χ²/NDF:391885.5/24
Right Out: 0.005+/-0.000 χ²/NDF: 704549.6/18
Left In: 0.003+/-0.000 χ²/NDF:293113.7/22
+ sign 0.003+/-0.000 χ²/NDF: 2569234.3/40
All: 0.003+/-0.000 χ²/NDF: 5267684.8/82
- sign 0.003+/-0.000 χ²/NDF: 2692604.0/41

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

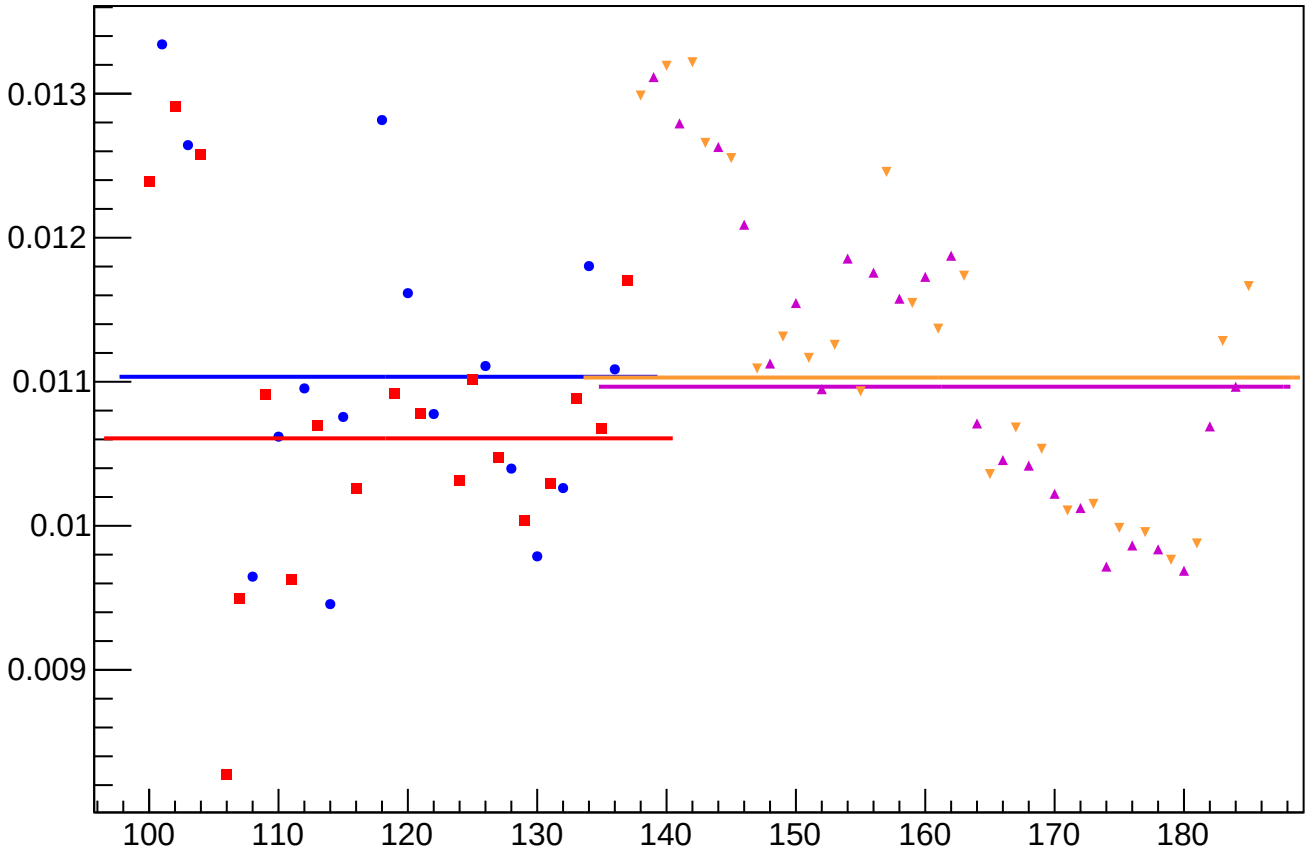
Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.732+/-0.000 χ^2/NDF: 11666549512.4/40

All: 0.741+/-0.000 χ^2/NDF: 20904347331.8/8

- sign 0.751+/-0.000 χ^2/NDF: 9200990260.2/41



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

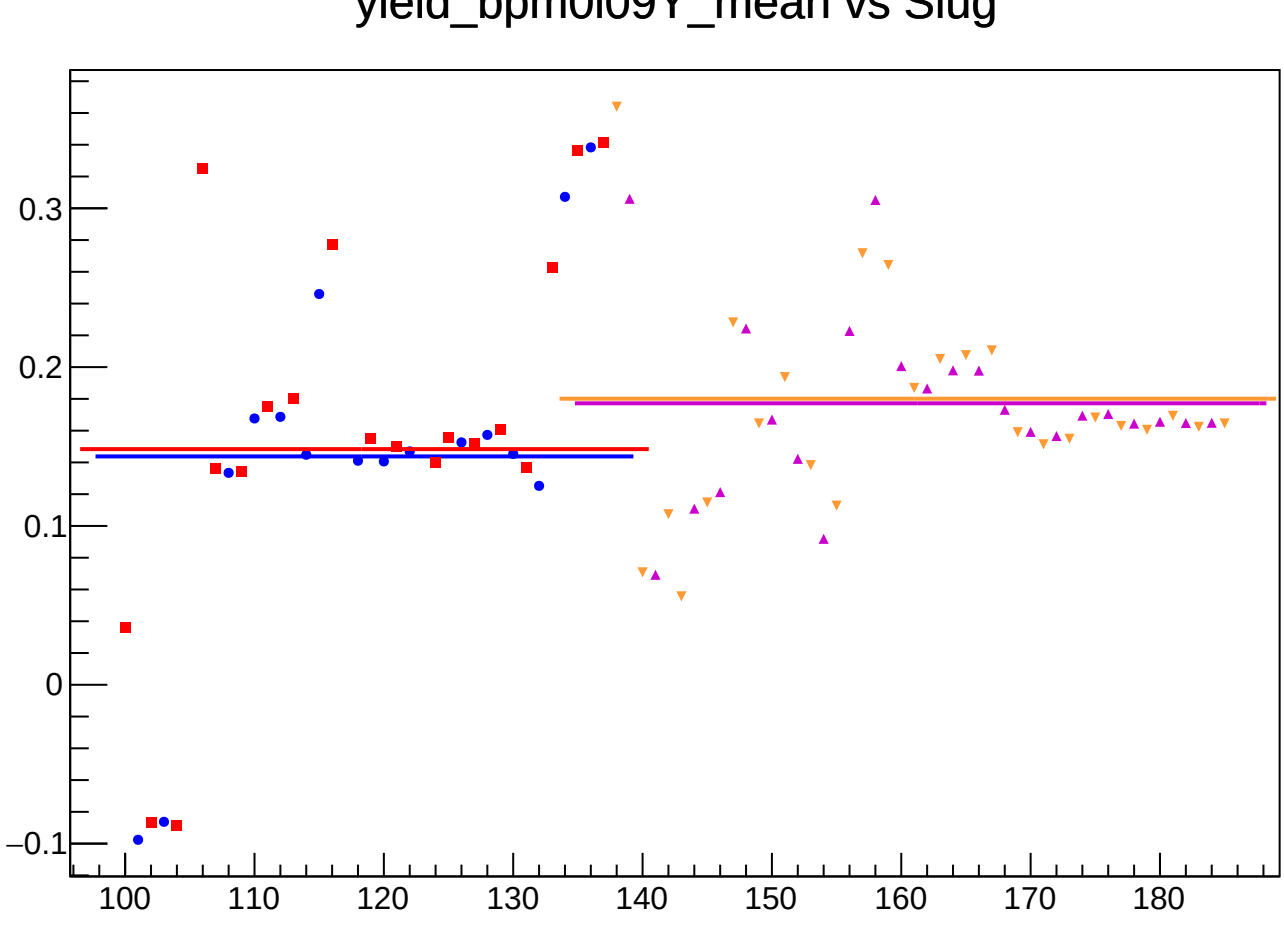
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 429800.2/40

All: 0.011+/-0.000 χ^2/NDF: 879190.9/82

- 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:6448853953.3/24

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

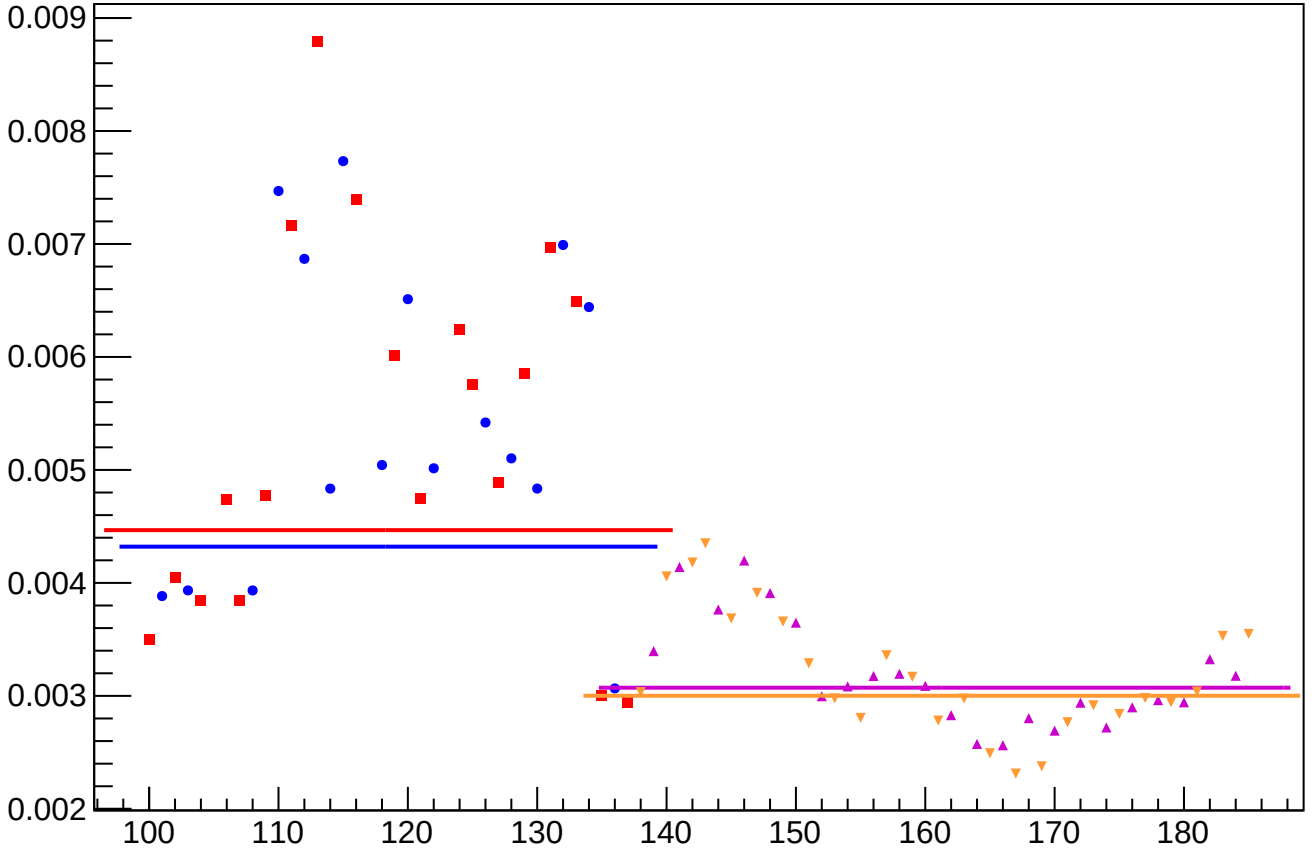
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.175+/-0.000 χ^2/NDF: 14666284128.1/40

All: 0.174+/-0.000 χ^2/NDF: 26632407342.3/8

- 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:888350.2/24

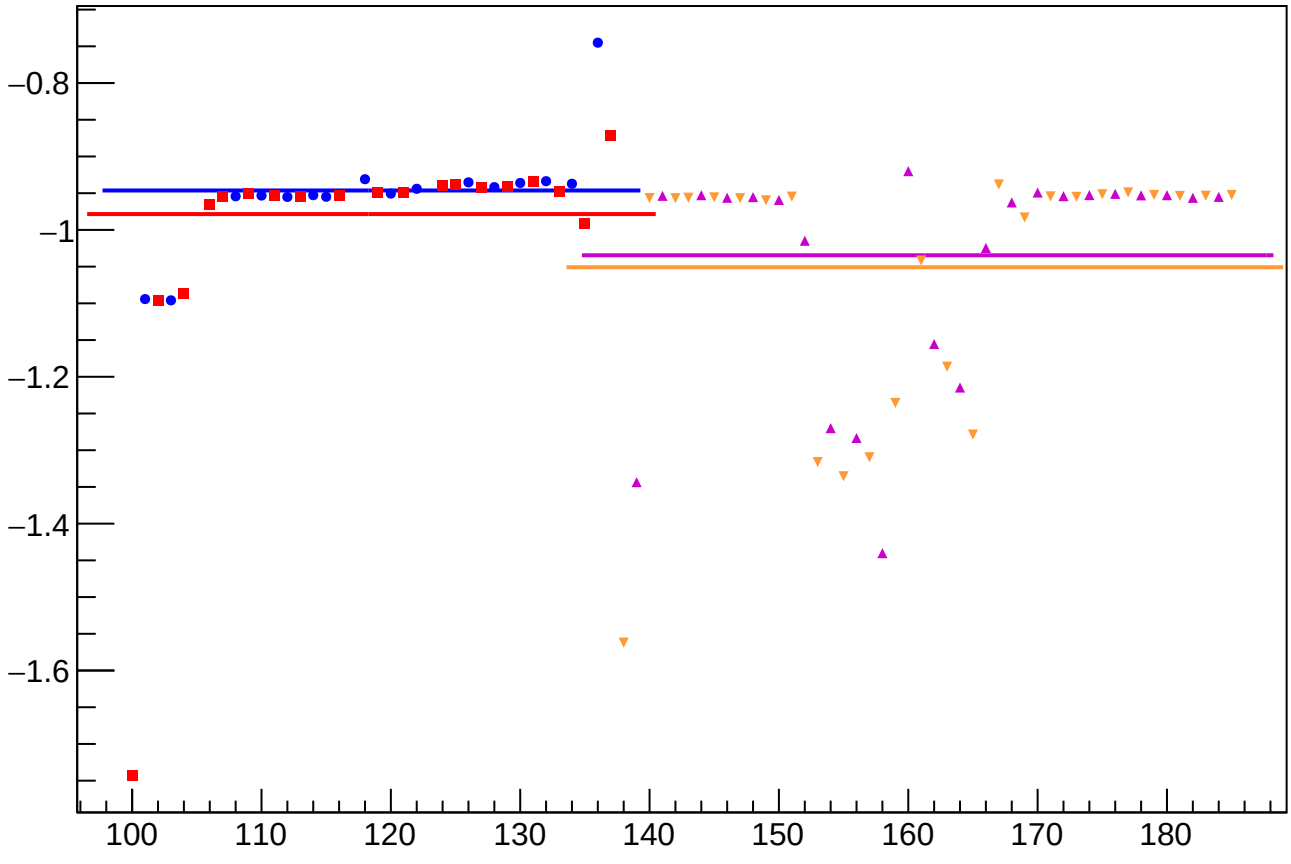
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 2690546.4/40

All: 0.003+/-0.000 χ^2/NDF: 5373438.6/82

- 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: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

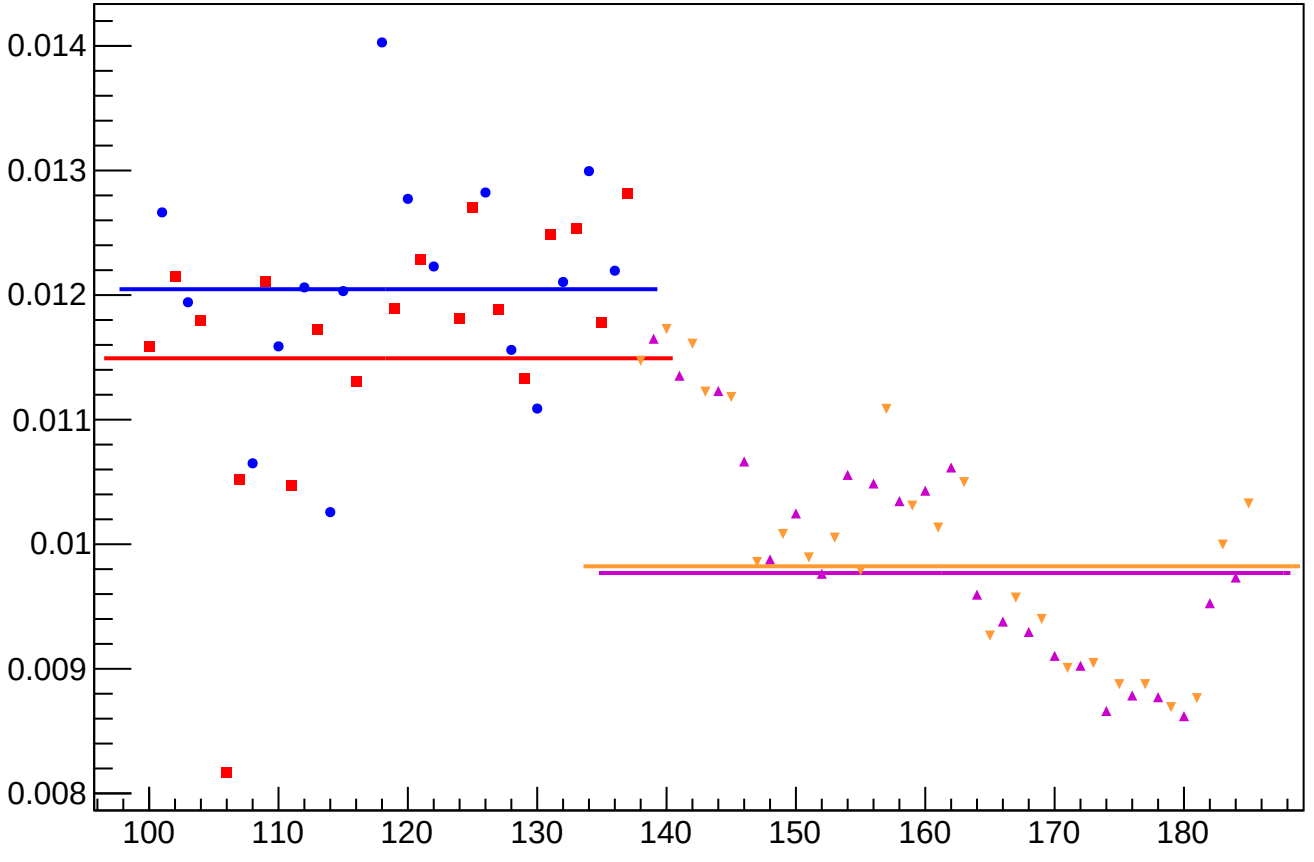
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.030+/-0.000 χ^2/NDF: 5901609817.1/40

All: -1.026+/-0.000 χ^2/NDF: 10428570334.3/

- 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:293862.1/24

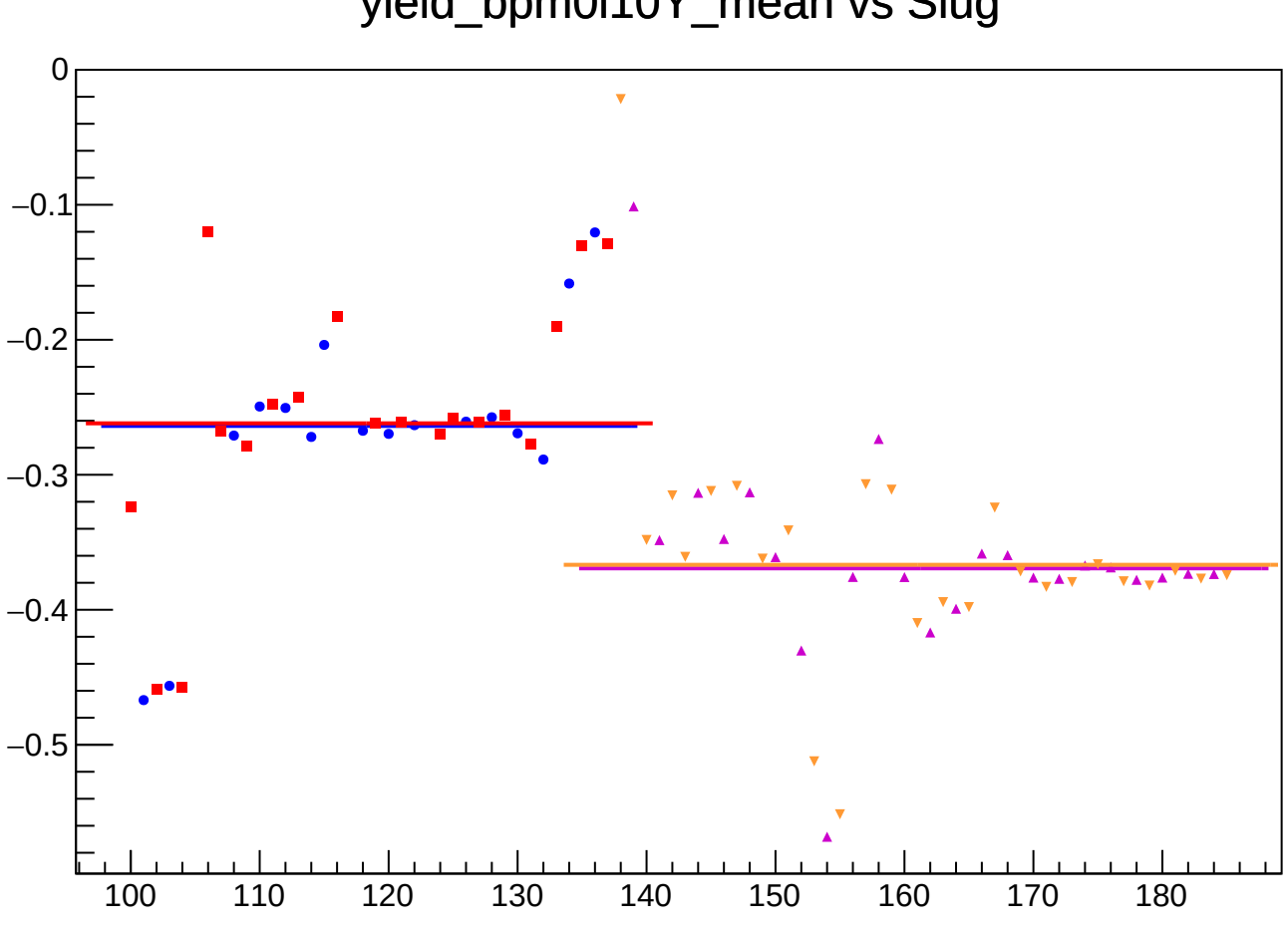
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 731975.9/40

All: 0.010+/-0.000 χ^2/NDF: 1416370.4/82

- 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:11945266102.2/24

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

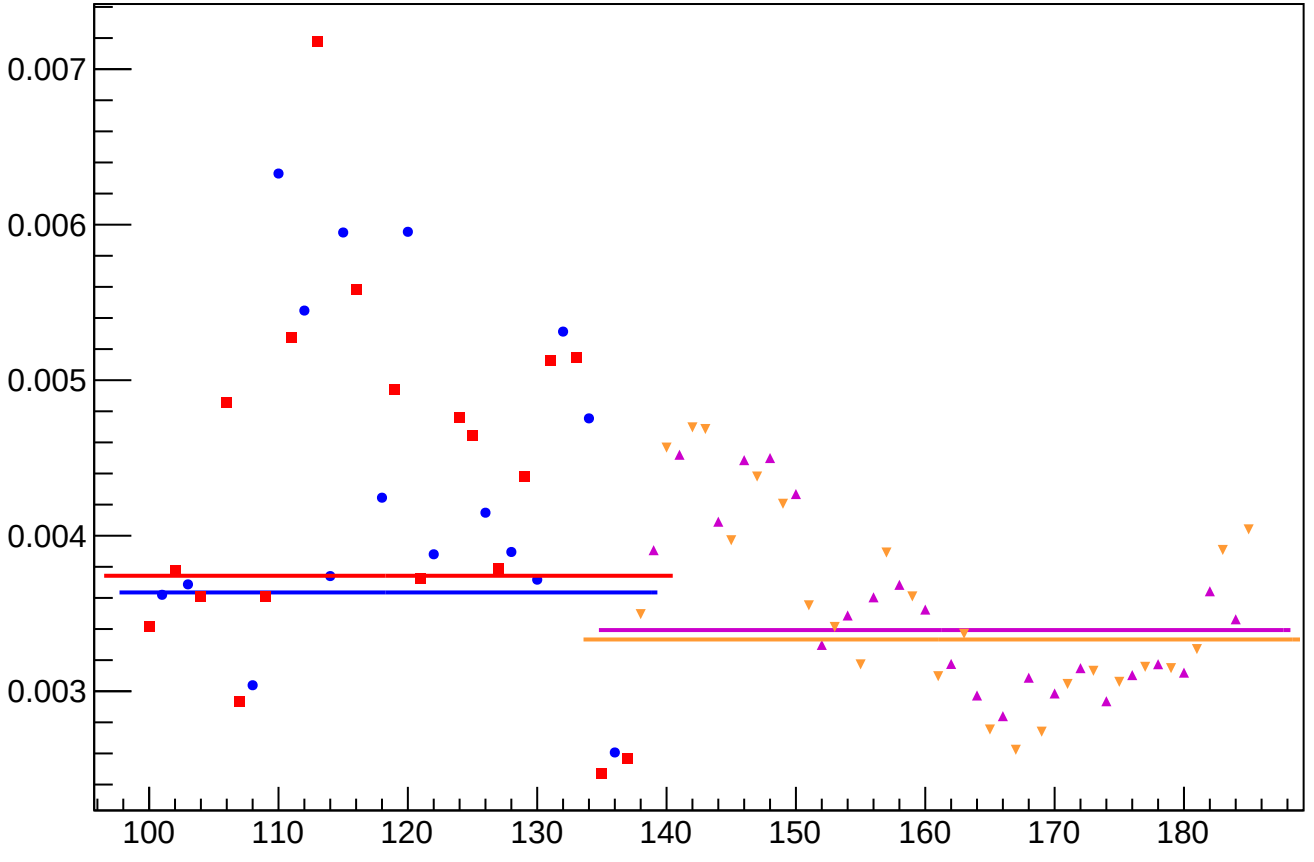
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.344+/-0.000 χ^2/NDF: 21671817794.5/40

All: -0.345+/-0.000 χ^2/NDF: 38324250129.2/

- 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:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

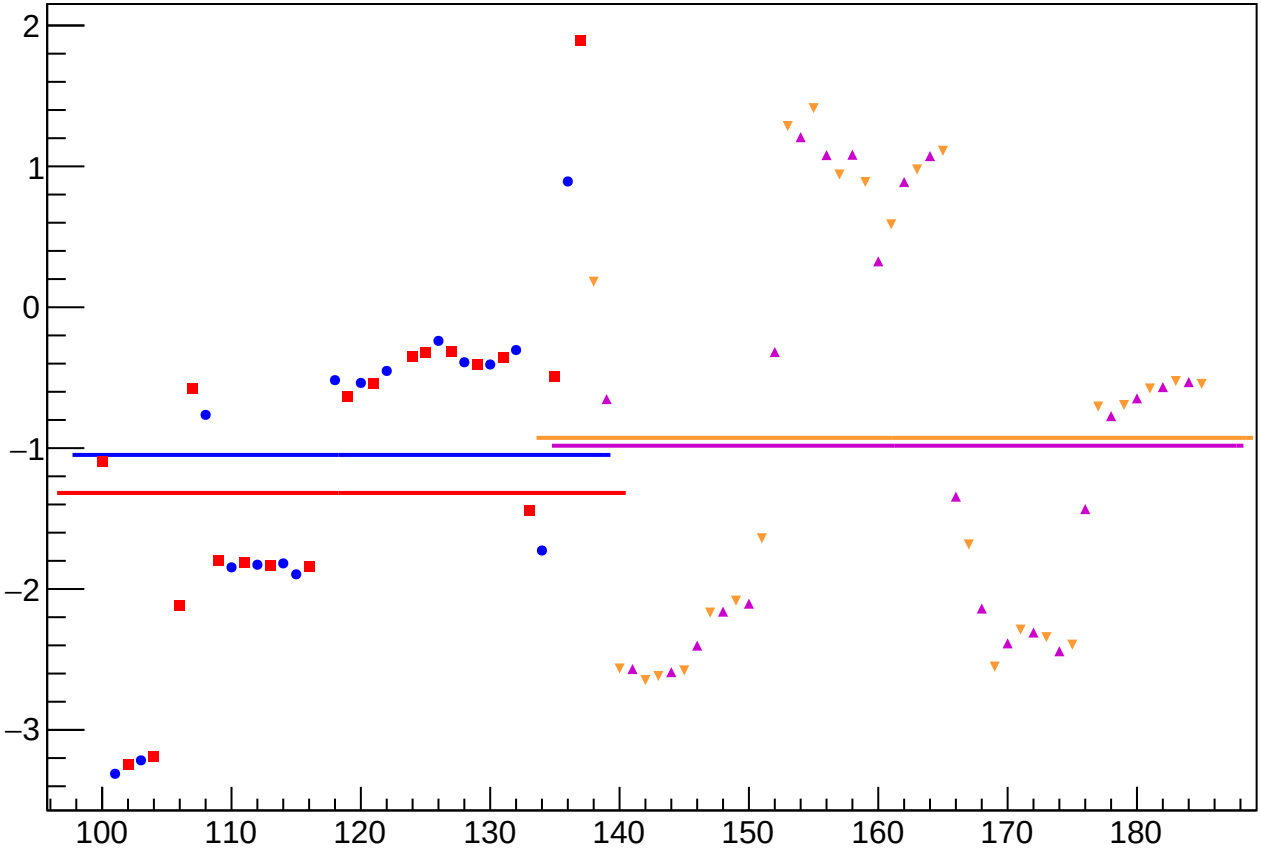
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1648881.9/40

All: 0.003+/-0.000 χ^2/NDF: 3268399.2/82

- 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: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

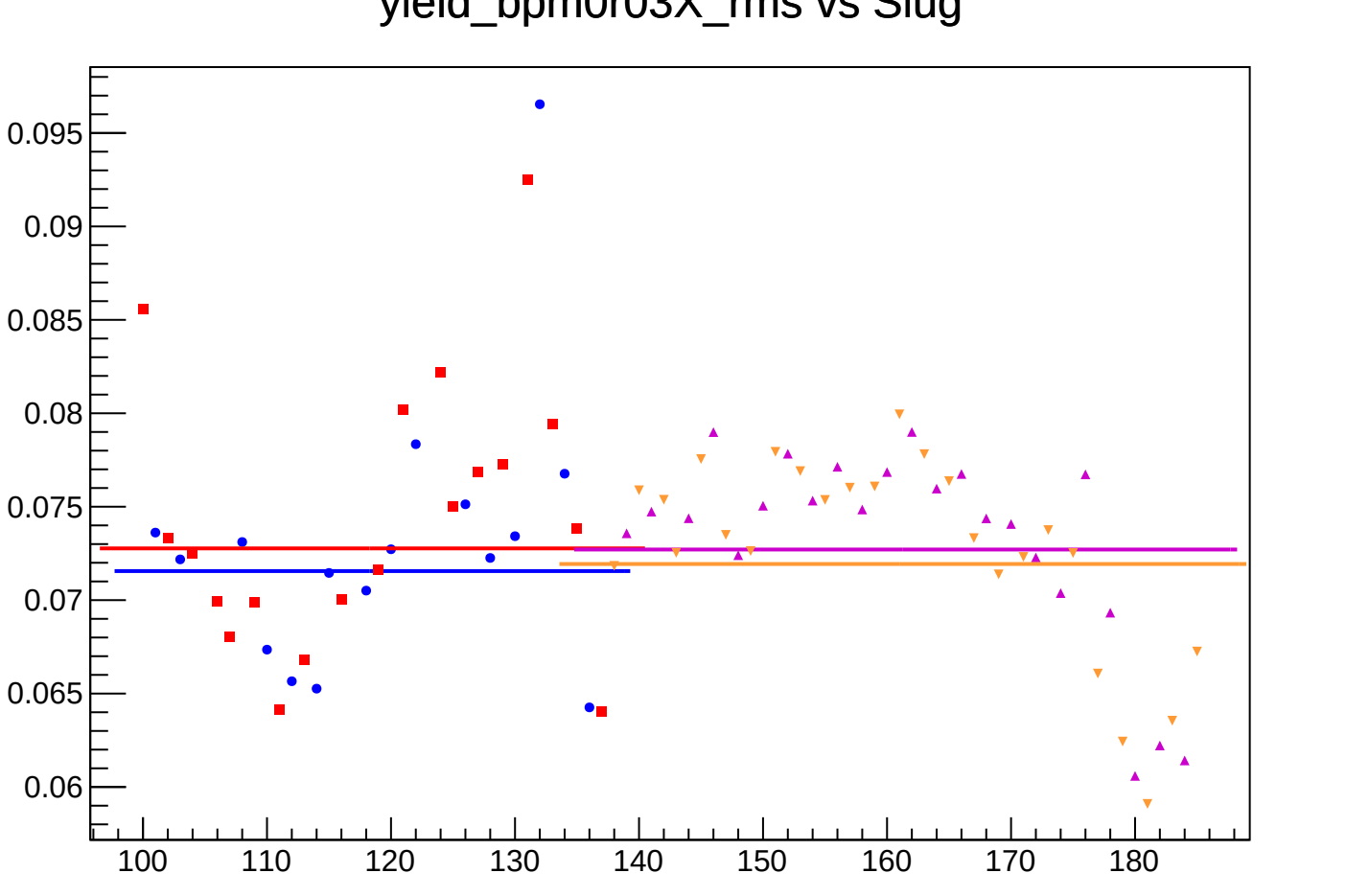
Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -0.960+/-0.000 χ^2/NDF: 9610339332.9/40

All: -1.018+/-0.000 χ^2/NDF: 17521965723.7/

- sign -1.079+/-0.000 χ^2/NDF: 7876717742.3/41



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

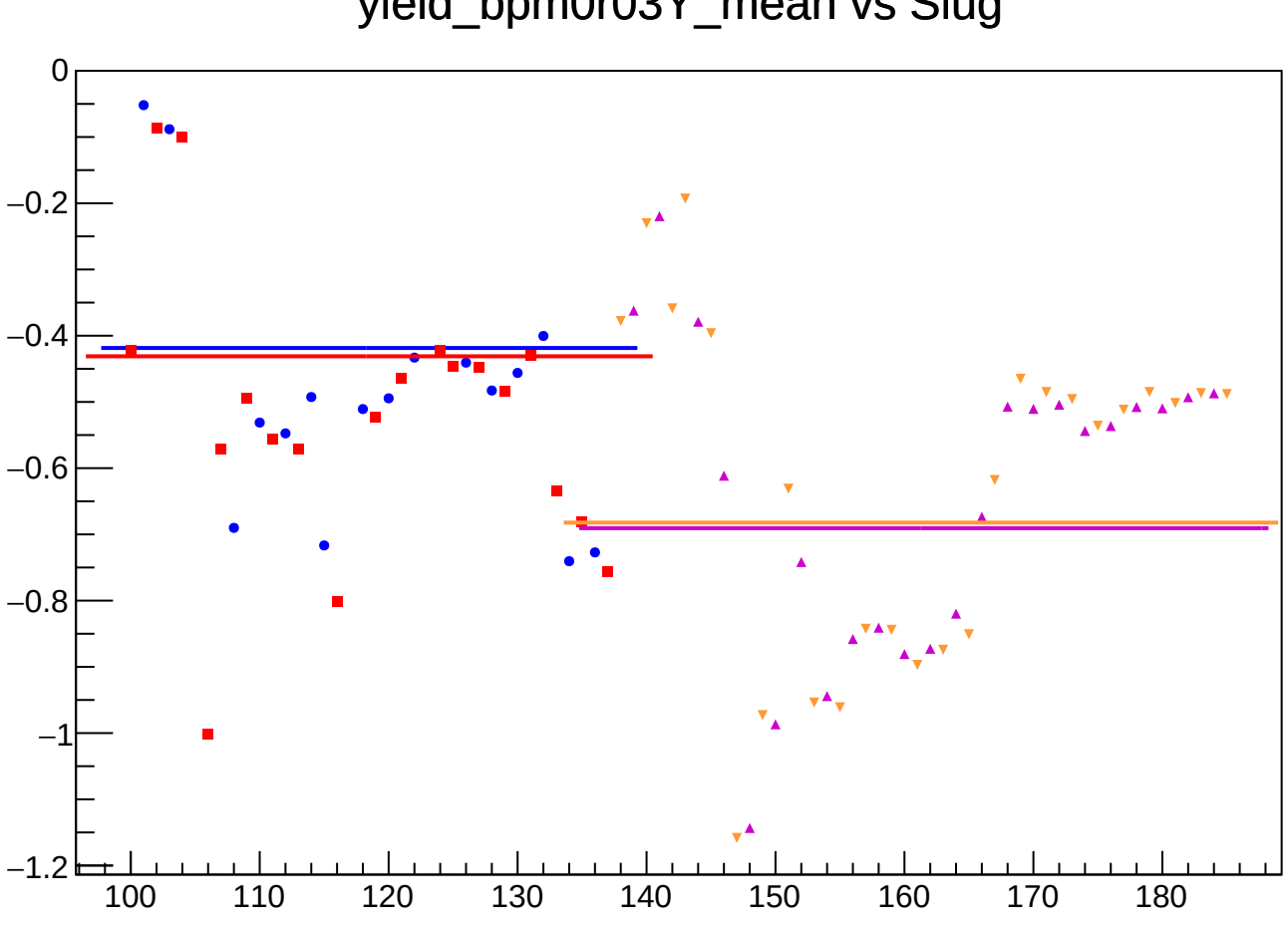
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 337058.5/40

All: 0.072+/-0.000 χ^2/NDF: 634868.3/82

- 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: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

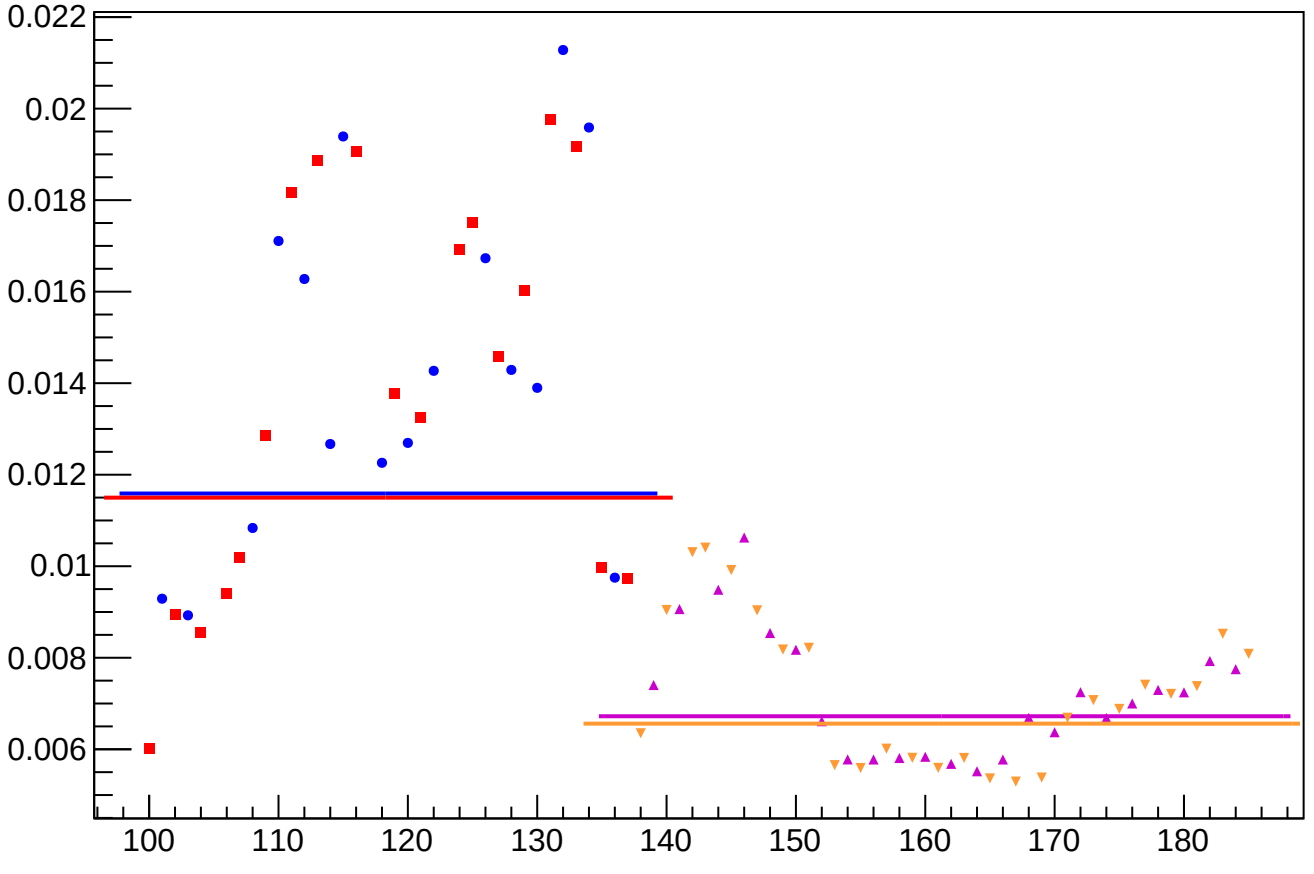
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.656+/-0.000 χ^2/NDF: 27678473111.8/40

All: -0.659+/-0.000 χ^2/NDF: 50474575194.6/

- 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:1404221.4/24

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

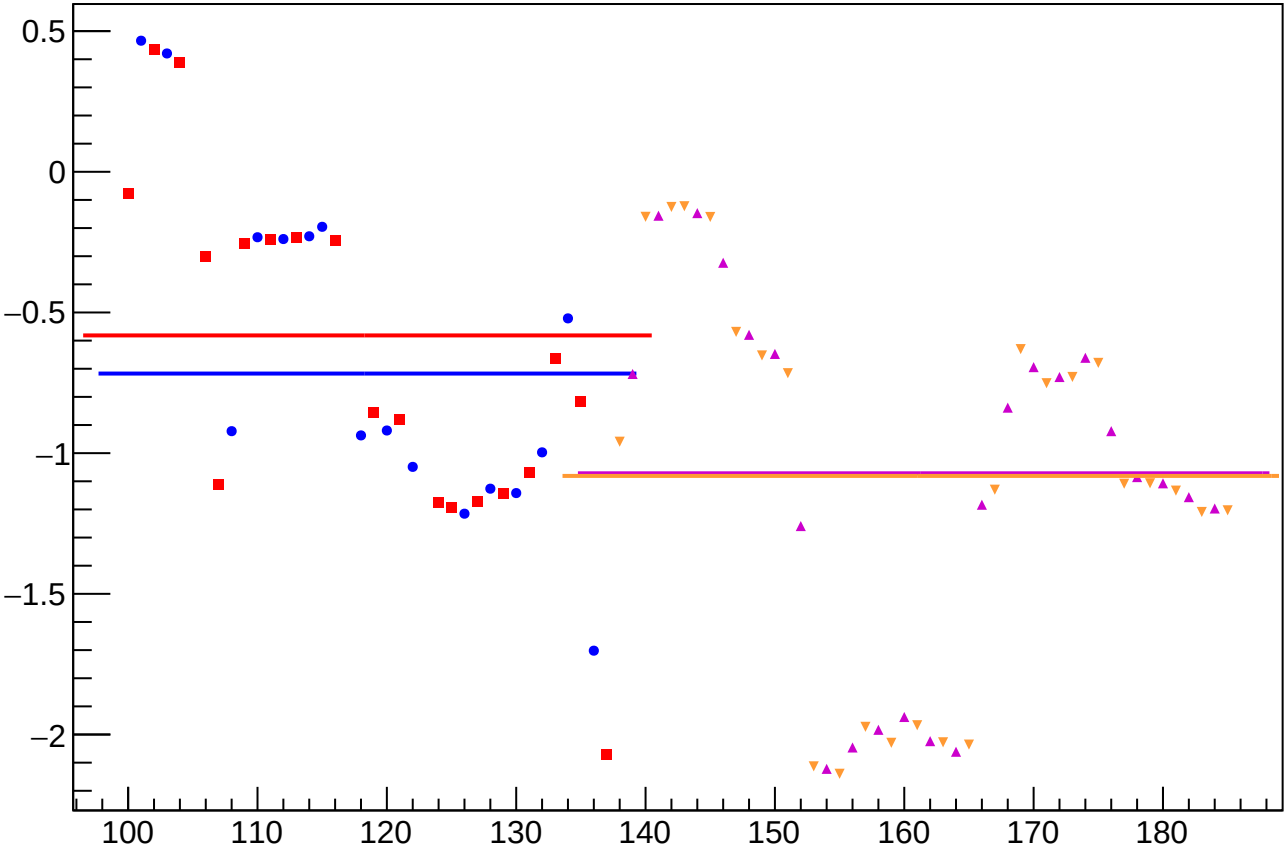
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4214880.6/40

All: 0.007+/-0.000 χ^2/NDF: 8202368.8/82

- 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: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

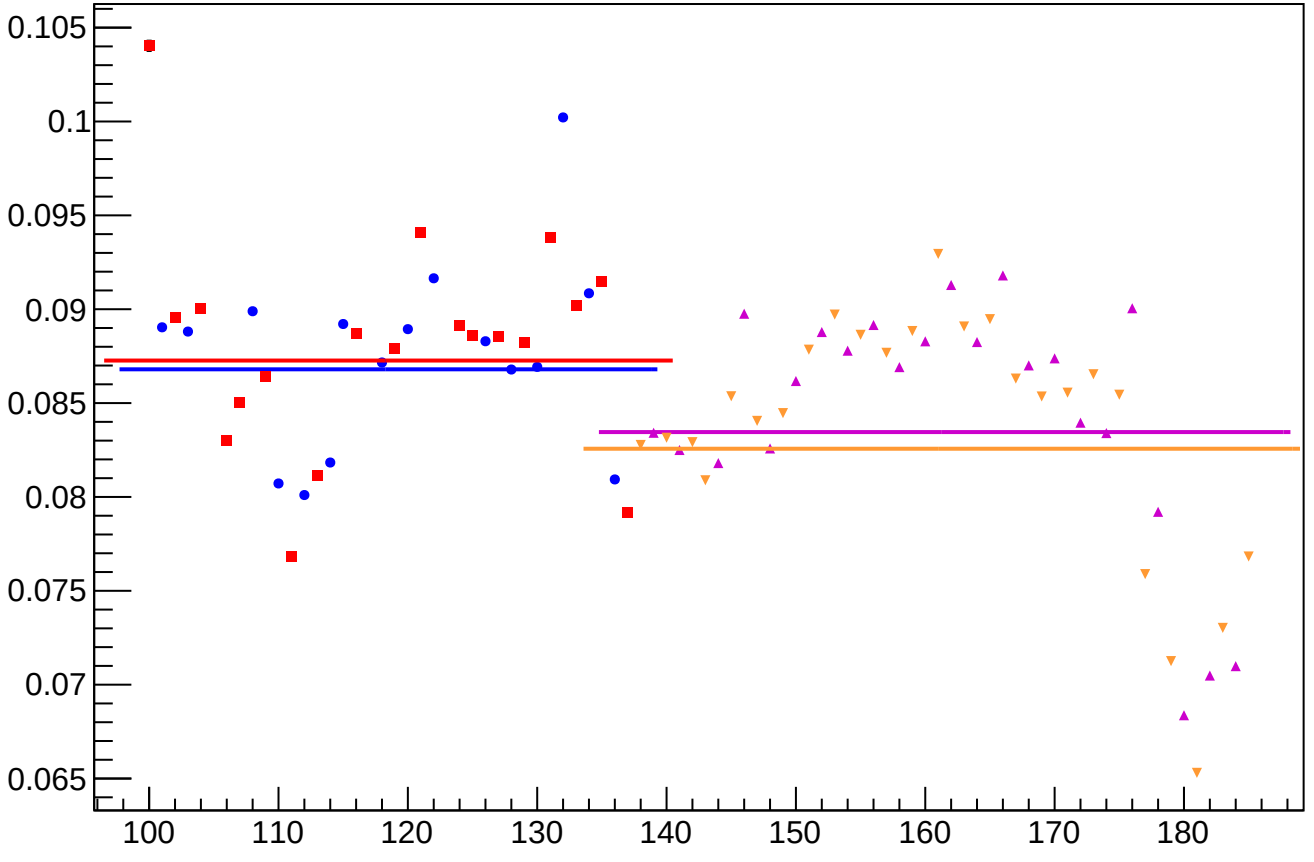
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.989+/-0.000 χ^2/NDF: 1683763253.7/40

All: -0.964+/-0.000 χ^2/NDF: 3176767670.3/8

- 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:291134.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

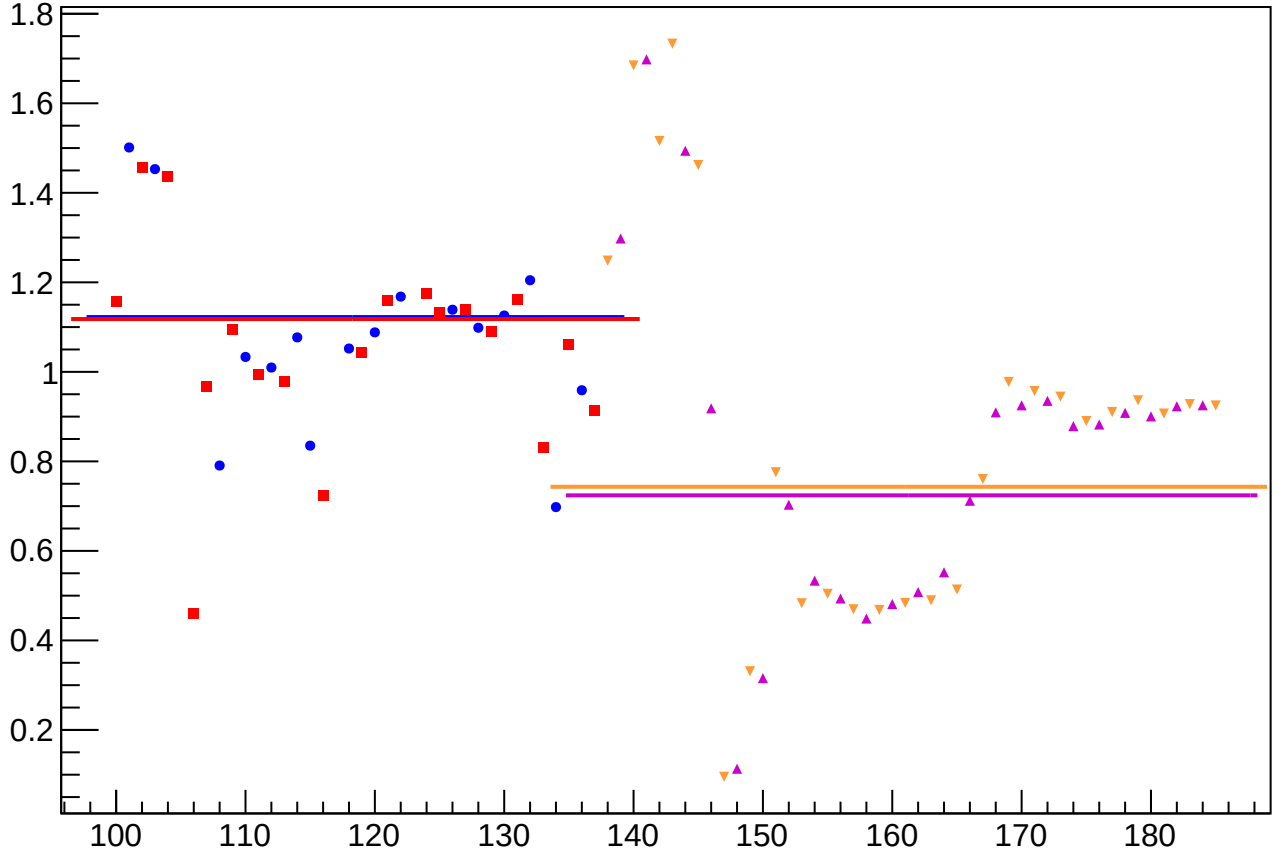
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 360143.3/40

All: 0.084+/-0.000 χ^2/NDF: 668030.9/82

- 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: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

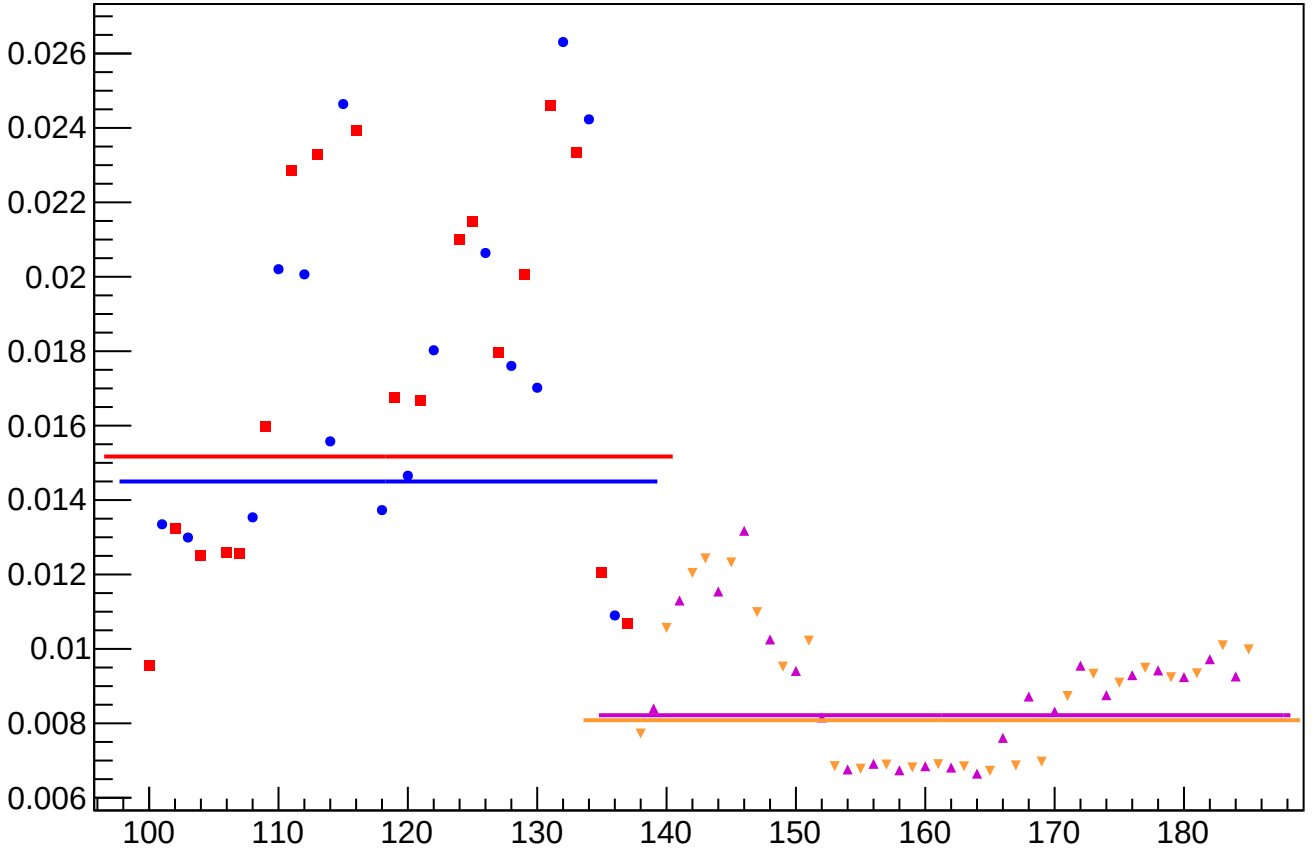
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.779+/-0.000 χ^2/NDF: 37731939484.6/40

All: 0.771+/-0.000 χ^2/NDF: 68731038662.9/8

- 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:1406307.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

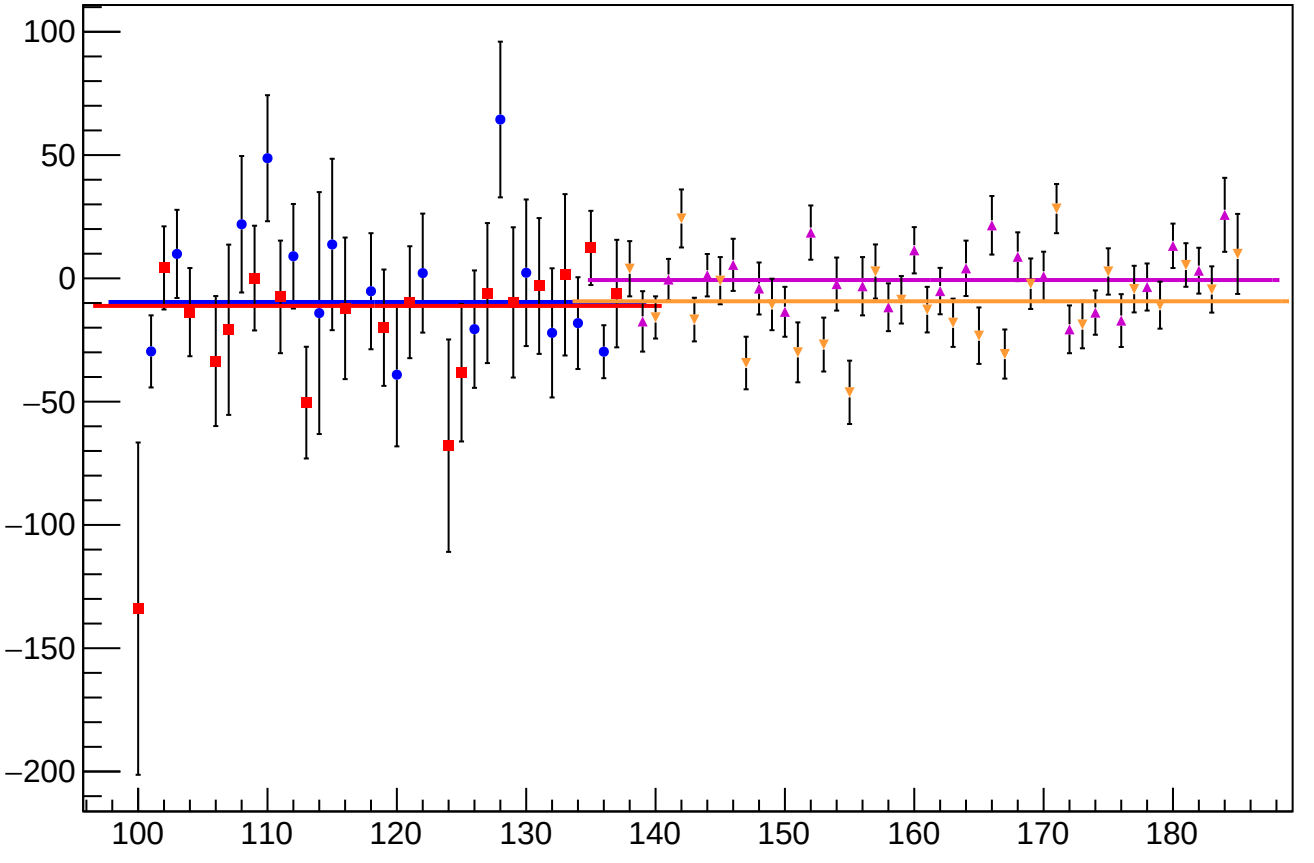
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4232799.4/40

All: 0.009+/-0.000 χ^2/NDF: 8562939.0/82

- 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: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

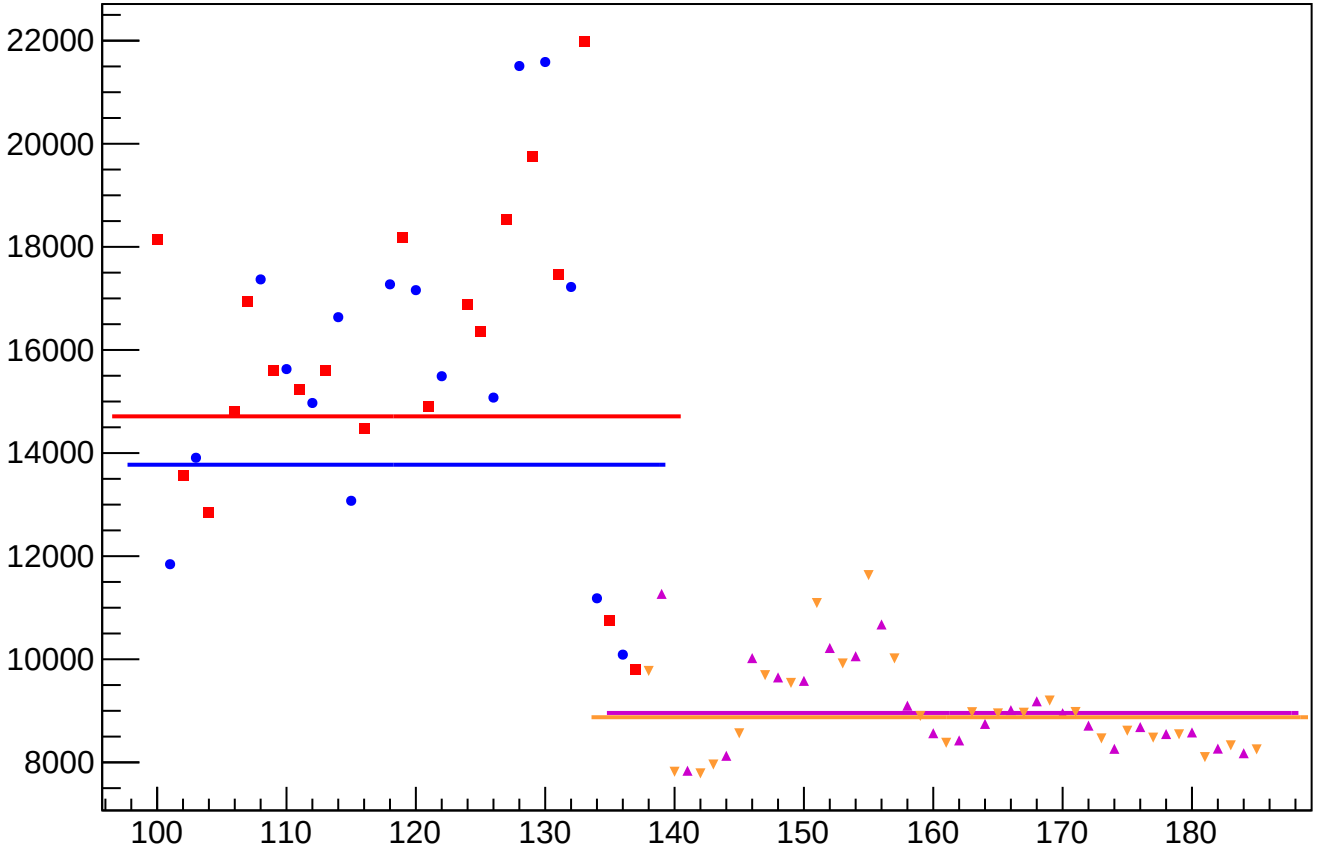
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.329+/-1.896 χ^2/NDF: 83.1/40

All: -5.805+/-1.364 χ^2/NDF: 136.7/82

- 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: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

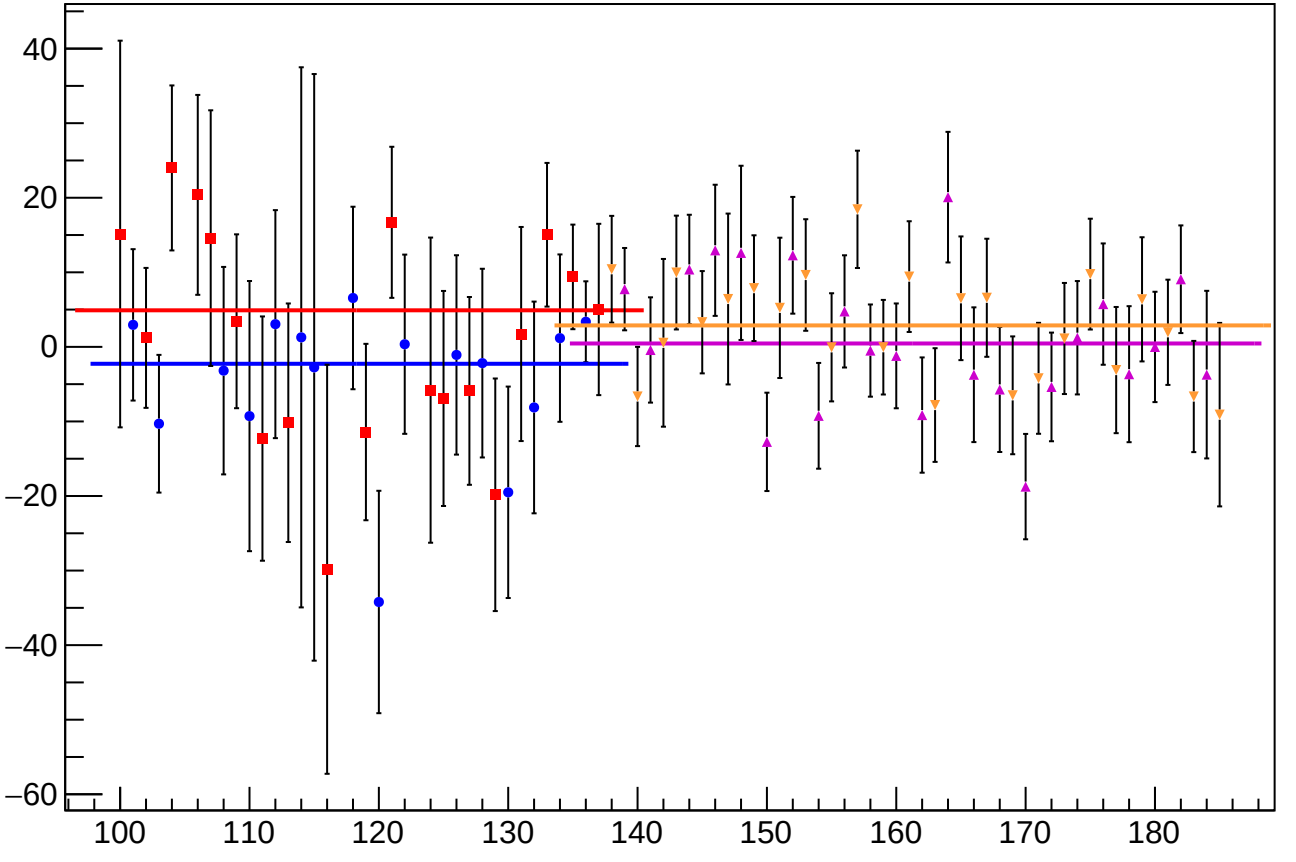
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9504.525+/-1.341 χ^2/NDF: 2588759.1/40

All: 9595.824+/-0.965 χ^2/NDF: 5368328.4/82

- 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: 2.879+/-1.554 χ^2/NDF:19.5/24

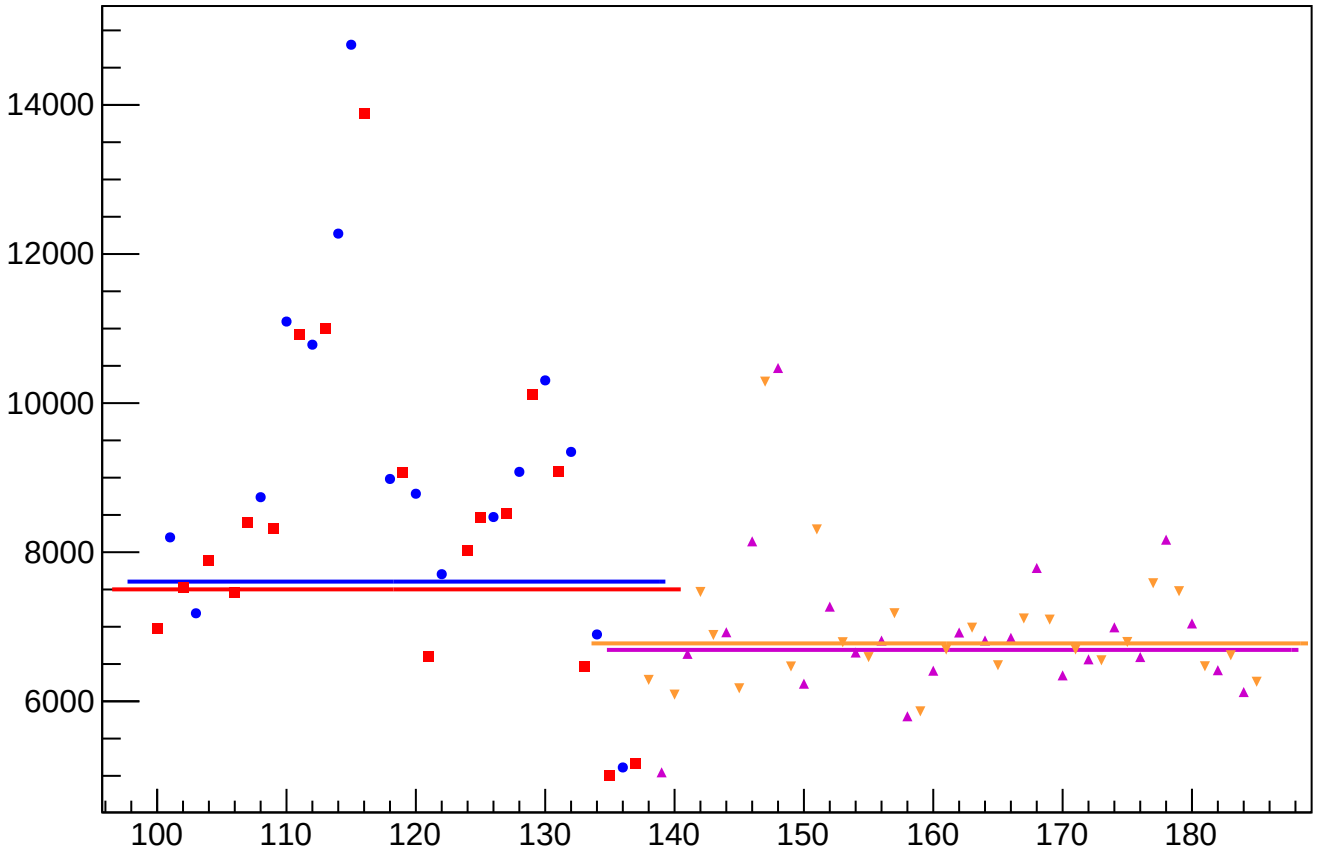
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.745+/-1.372 χ^2/NDF: 31.2/40

All: 1.628+/-0.973 χ^2/NDF: 83.5/82

- sign 1.511+/-1.381 χ^2/NDF: 52.2/41



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

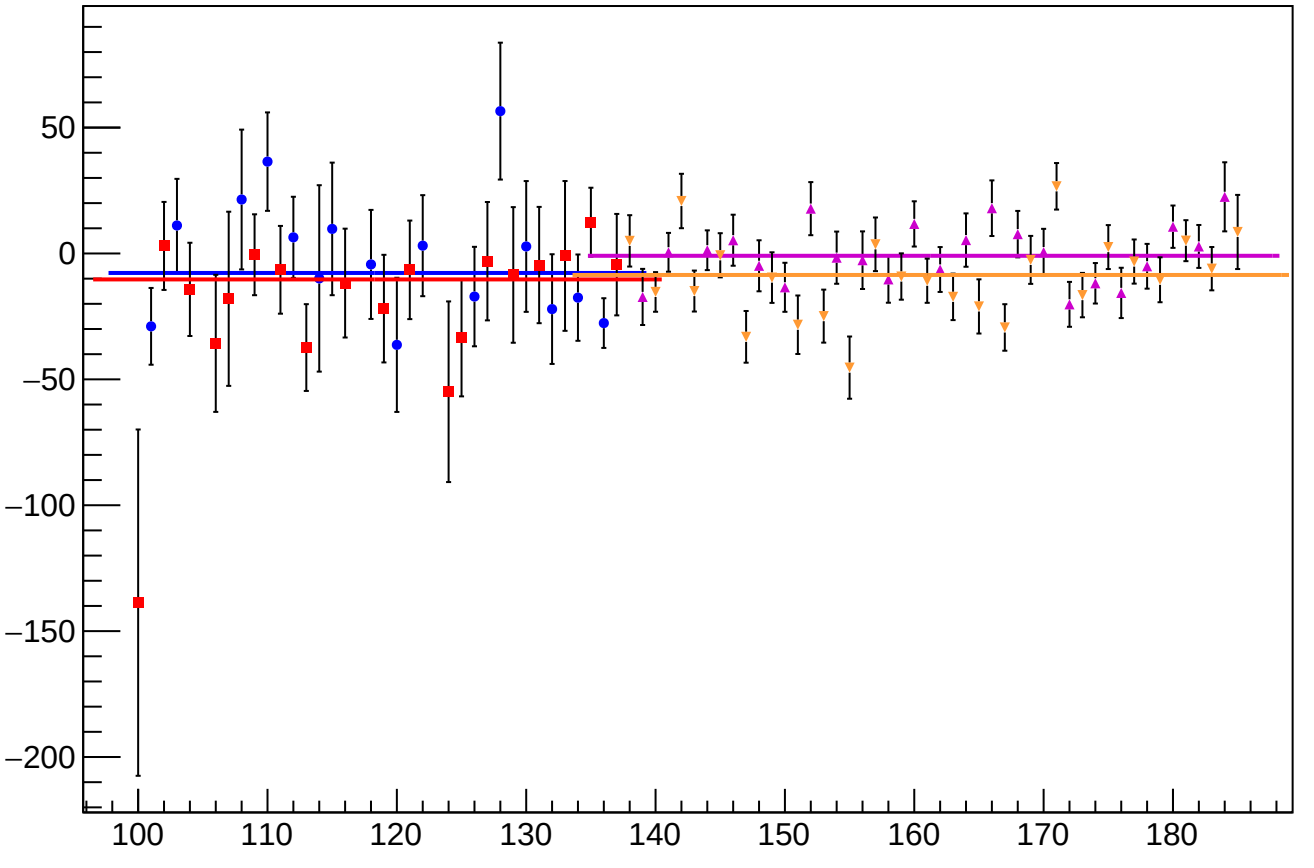
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6959.459+/-0.970 χ^2/NDF: 1417144.4/40

All: 6921.068+/-0.688 χ^2/NDF: 2989195.4/82

- 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: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

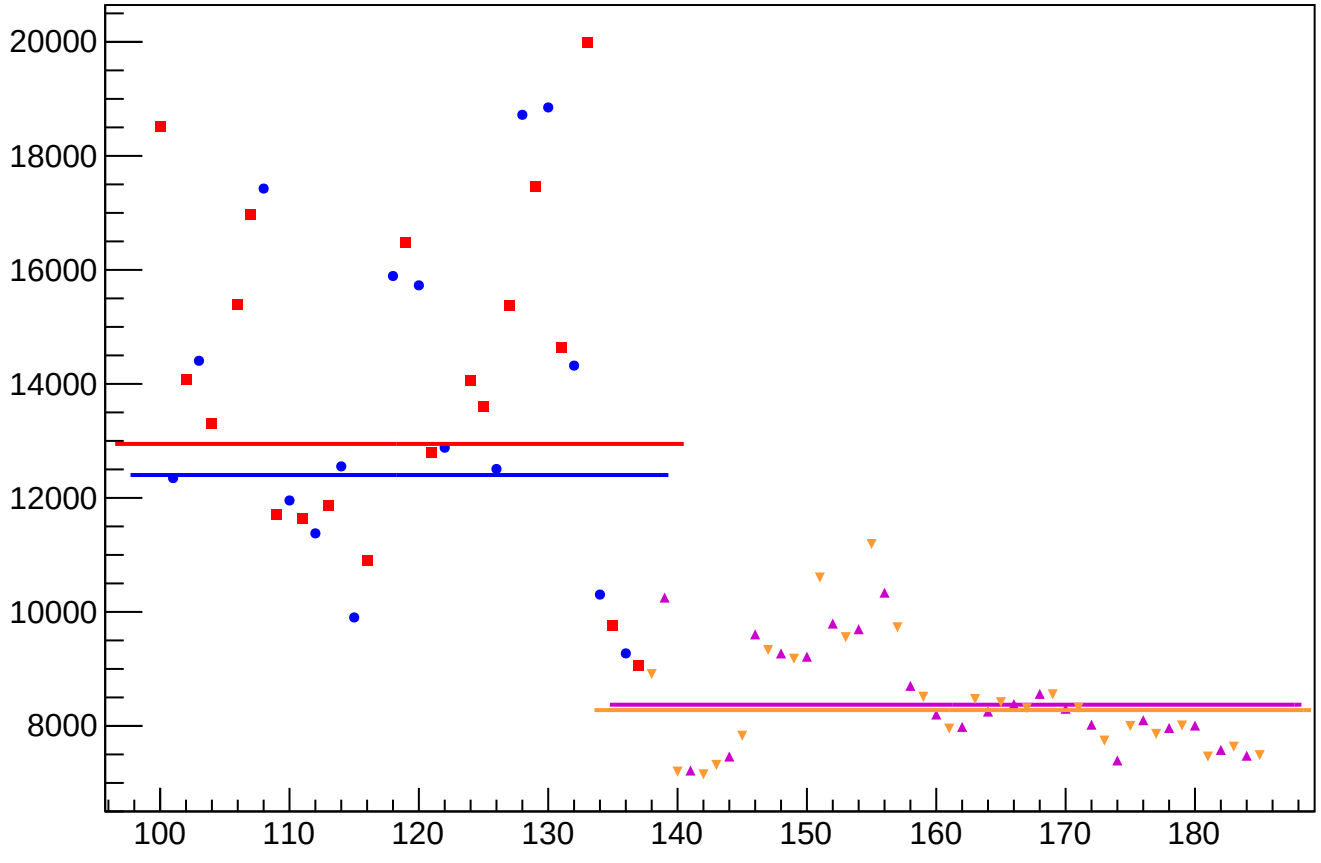
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

\+ sign -8.427+/-1.761 χ^2/NDF: 84.6/40

All: -5.447+/-1.267 χ^2/NDF: 136.8/82

\- 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: 8277.768+/-1.341 χ^2/NDF:455108.5/24

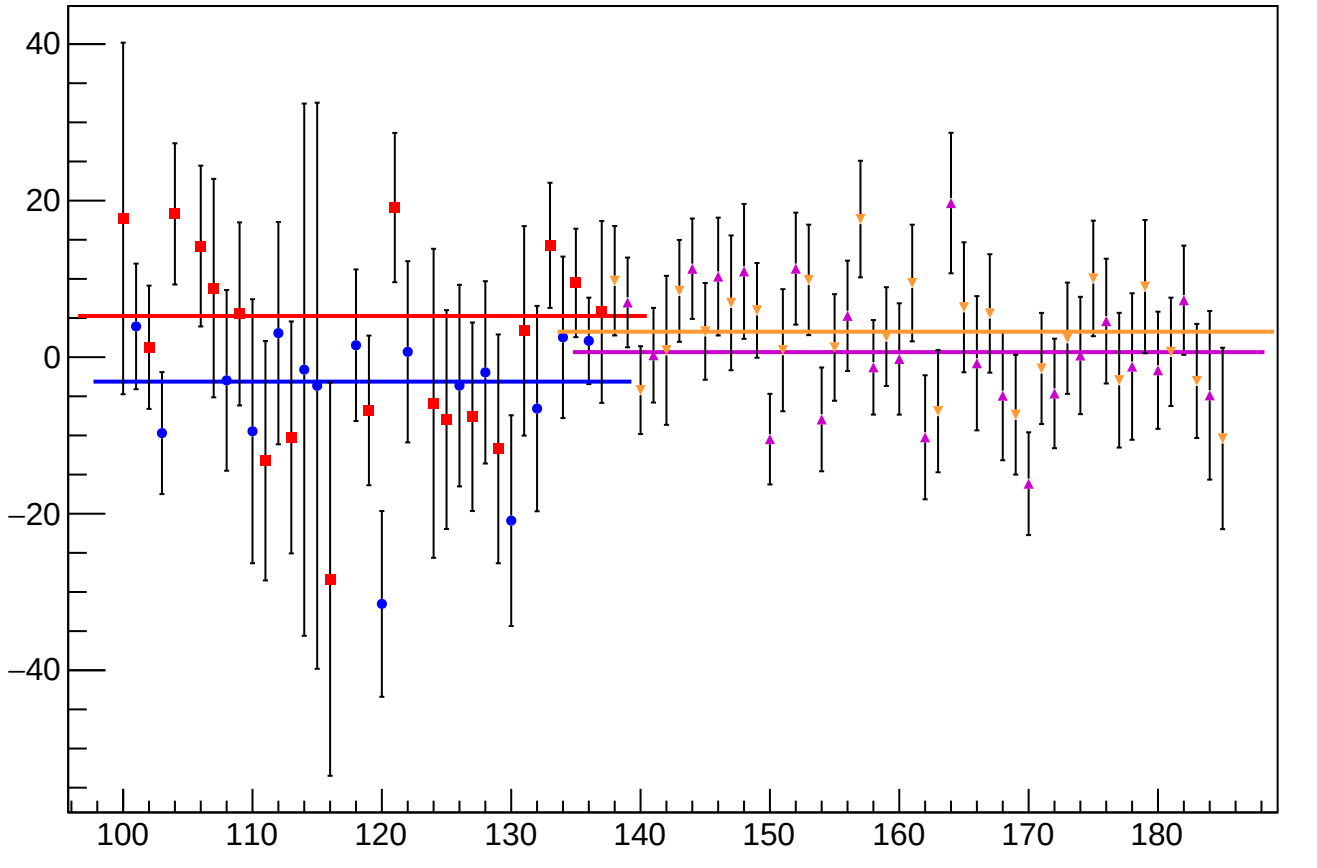
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 8845.249+/-1.245 χ^2/NDF: 2434555.7/40

All: 8930.553+/-0.896 χ^2/NDF: 4925686.3/82

- 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: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

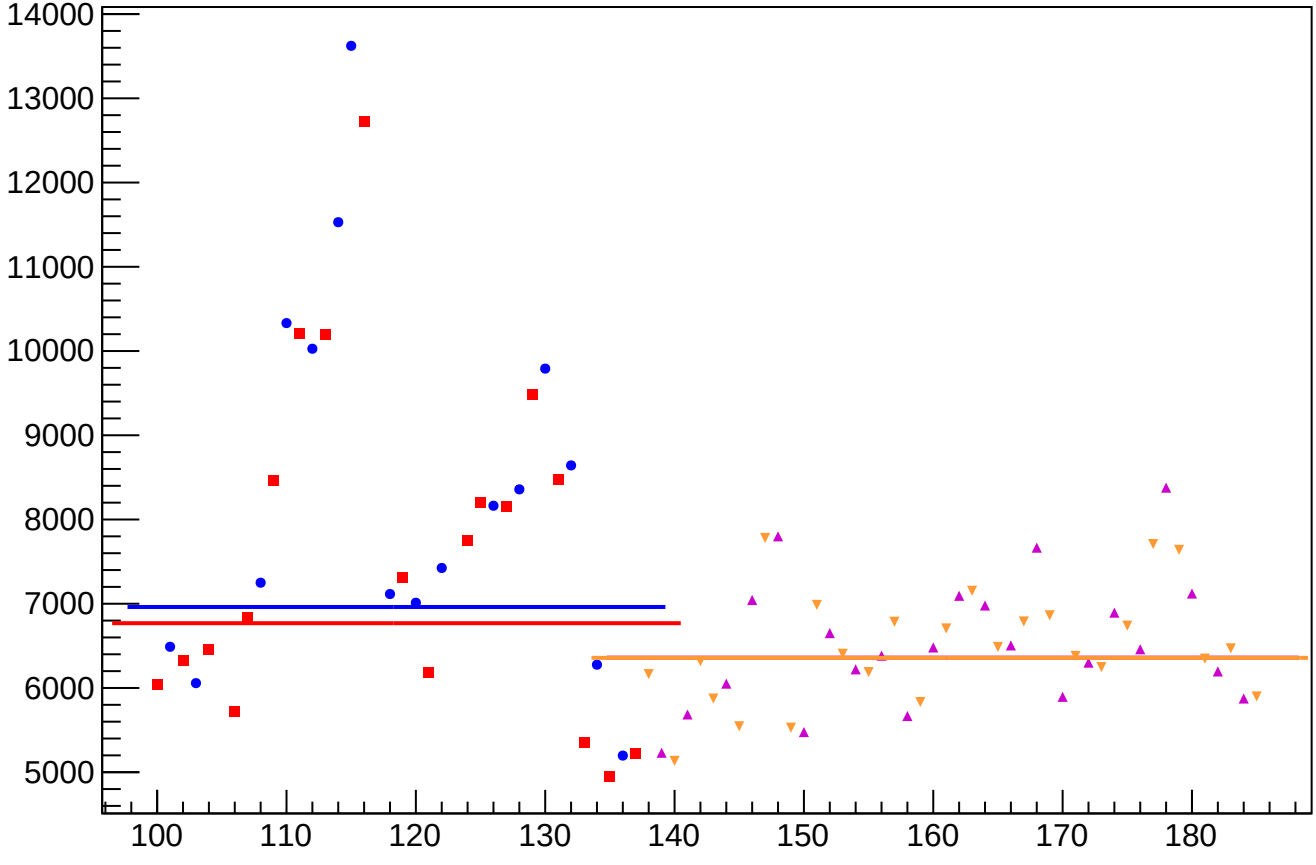
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.779+/-1.277 χ^2/NDF: 33.0/40

All: 1.804+/-0.909 χ^2/NDF: 83.1/82

- 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: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

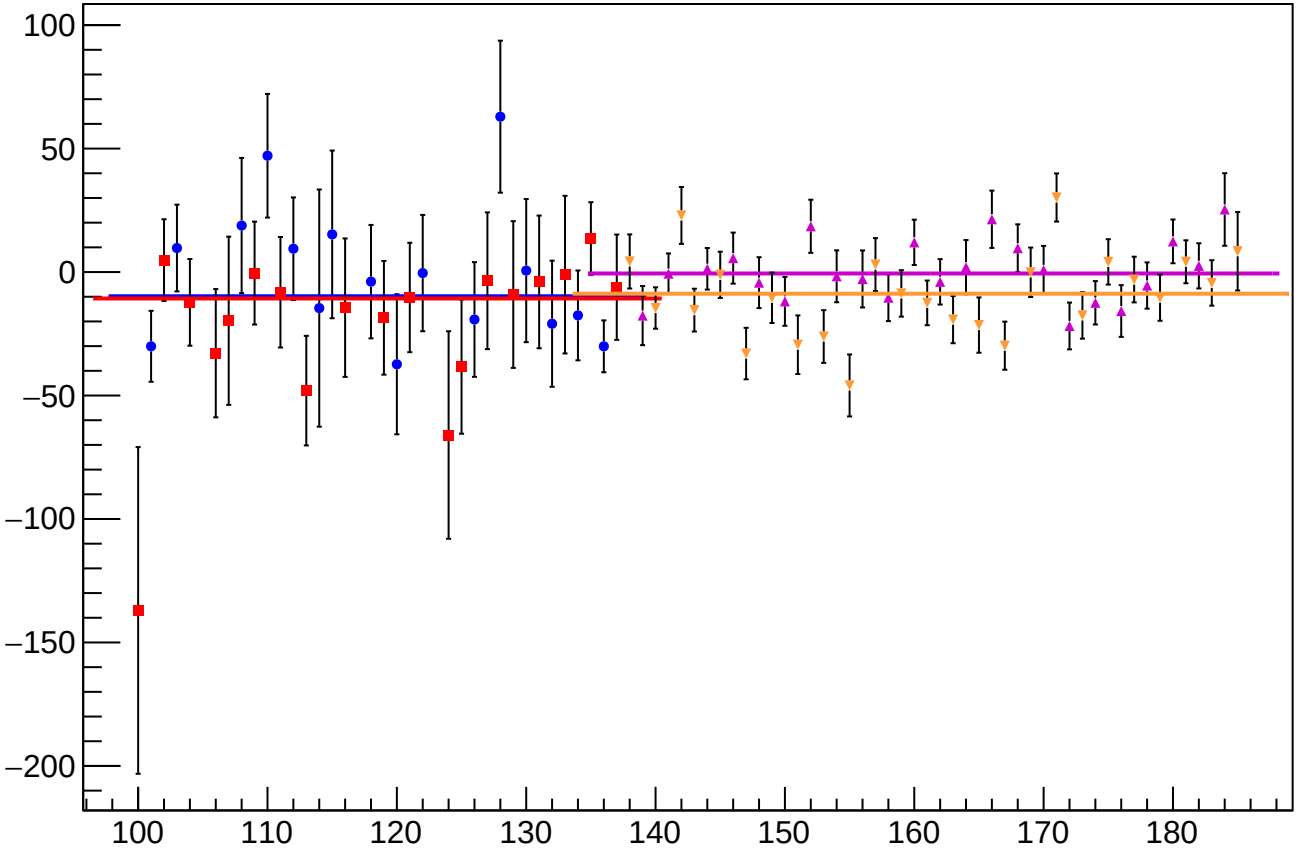
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6497.375+/-0.903 χ^2/NDF: 1190045.4/40

All: 6481.284+/-0.643 χ^2/NDF: 2500850.9/82

- 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: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

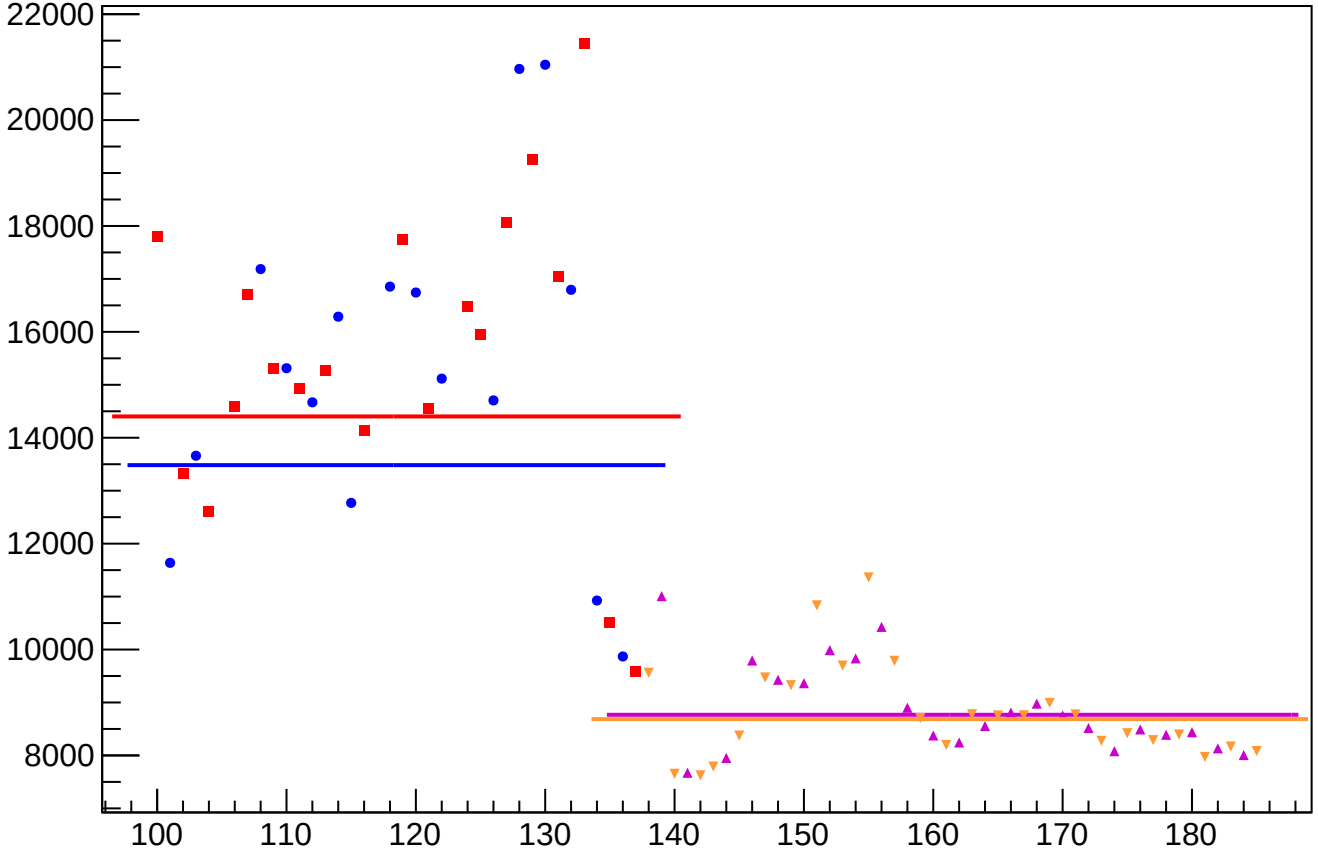
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.900+/-1.855 χ^2/NDF: 84.8/40

All: -5.513+/-1.335 χ^2/NDF: 138.7/82

- 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: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

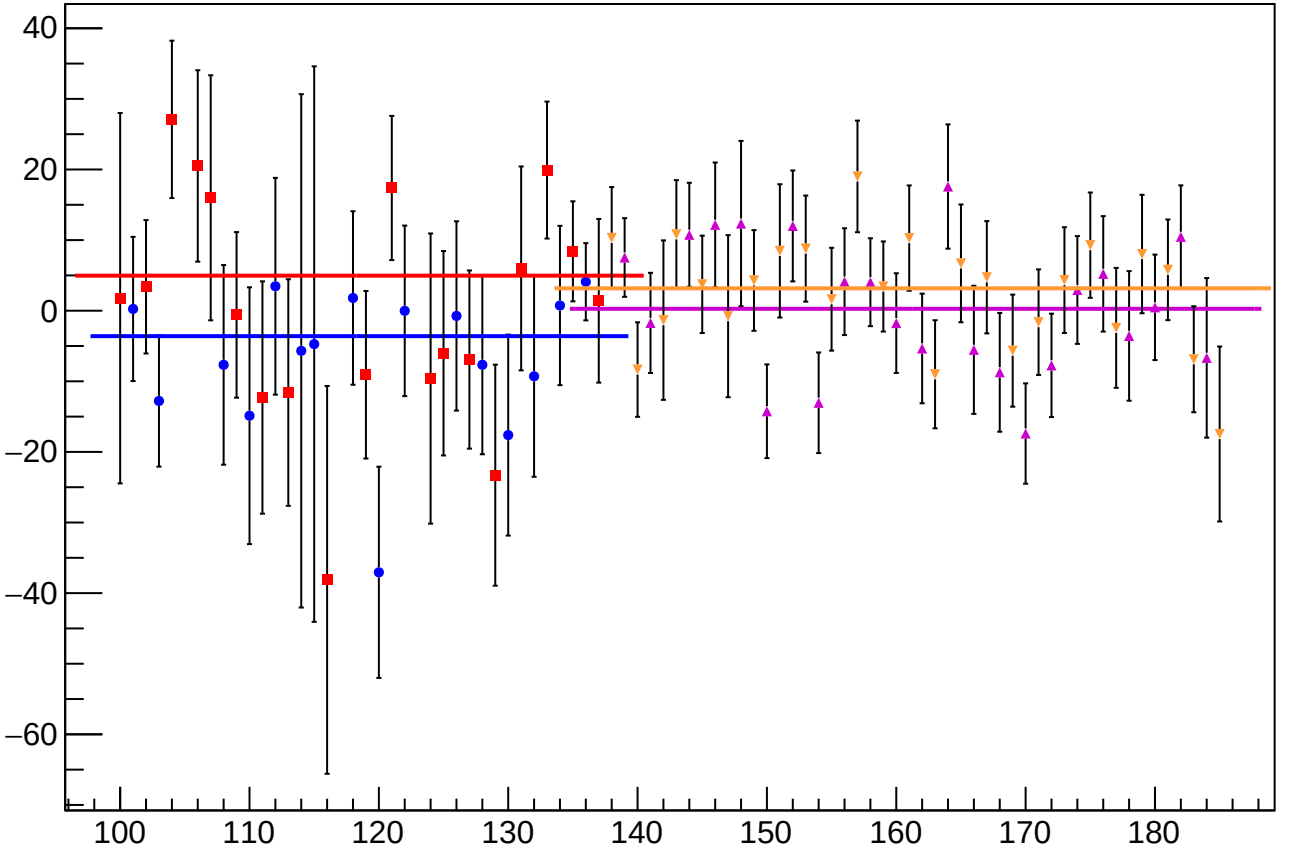
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9301.719+/-1.312 χ^2/NDF: 2580413.5/40

All: 9391.288+/-0.944 χ^2/NDF: 5351430.3/82

- 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: 3.171+/-1.562 χ^2/NDF:21.7/24

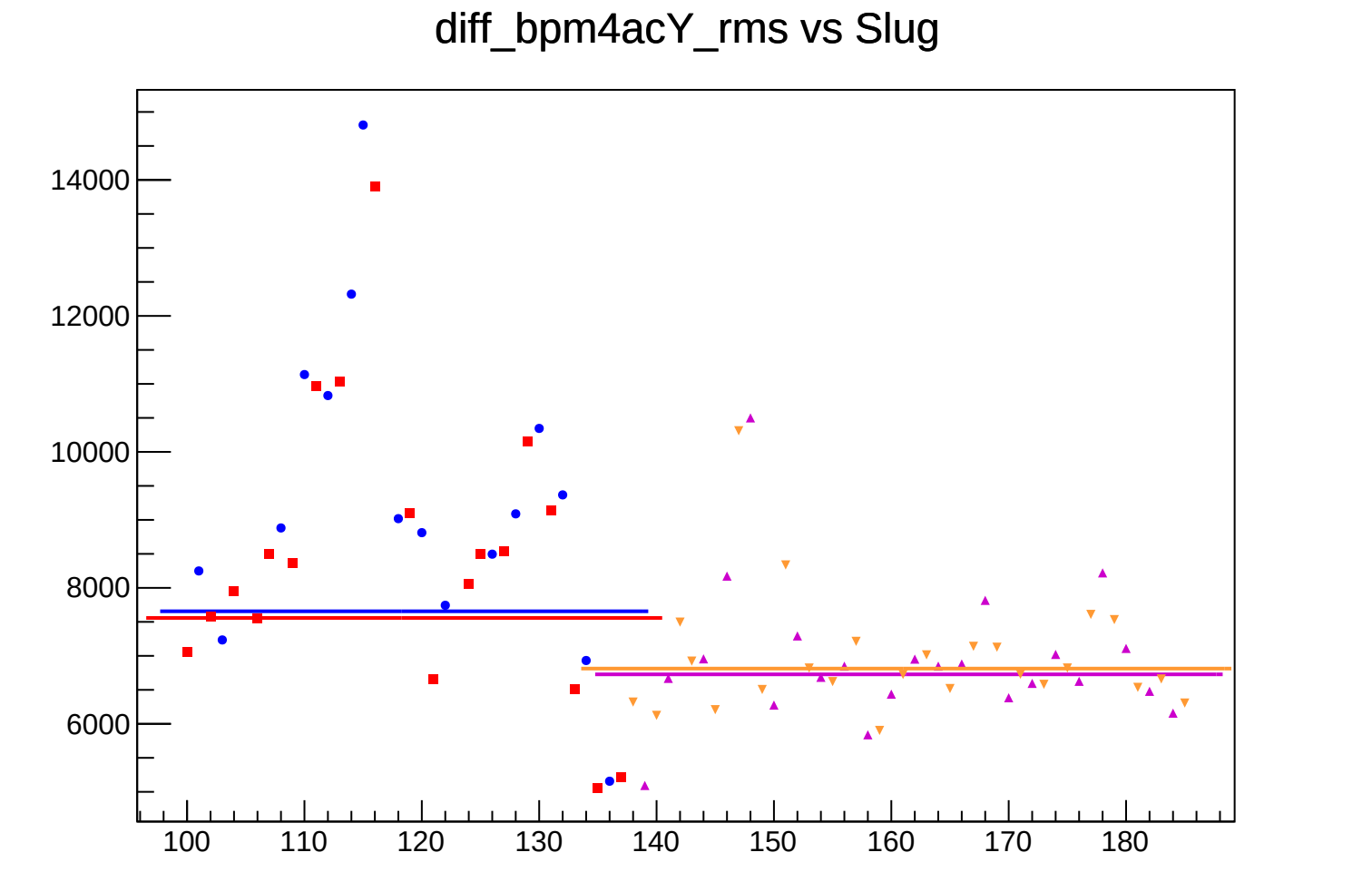
Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

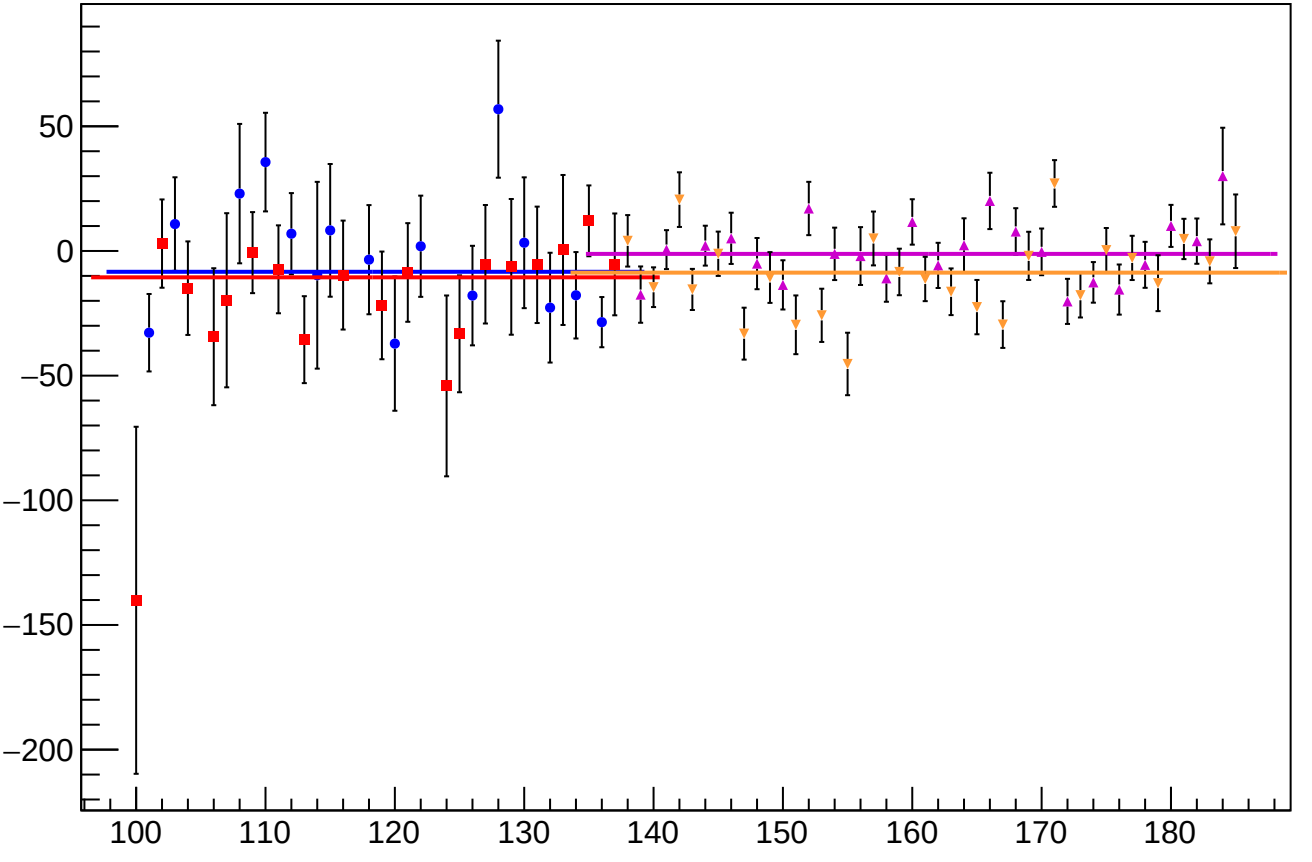
+ sign 1.680+/-1.379 χ^2/NDF: 36.3/40

All: 1.531+/-0.979 χ^2/NDF: 94.0/82

- sign 1.381+/-1.389 χ^2/NDF: 57.7/41


diff_bpm4acY_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7655.851+/-2.079 χ²/NDF: 879769.7/15
Left Out: 6812.964+/-1.104 χ²/NDF:394620.8/24
Right Out: 7557.497+/-2.019 χ²/NDF: 809860.3/18
Left In: 6727.864+/-1.124 χ²/NDF:610037.3/22
+ sign 6998.487+/-0.975 χ²/NDF: 1402602.0/40
All: 6961.639+/-0.692 χ²/NDF: 2954242.7/82
- sign 6924.255+/-0.982 χ²/NDF: 1548765.2/41

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

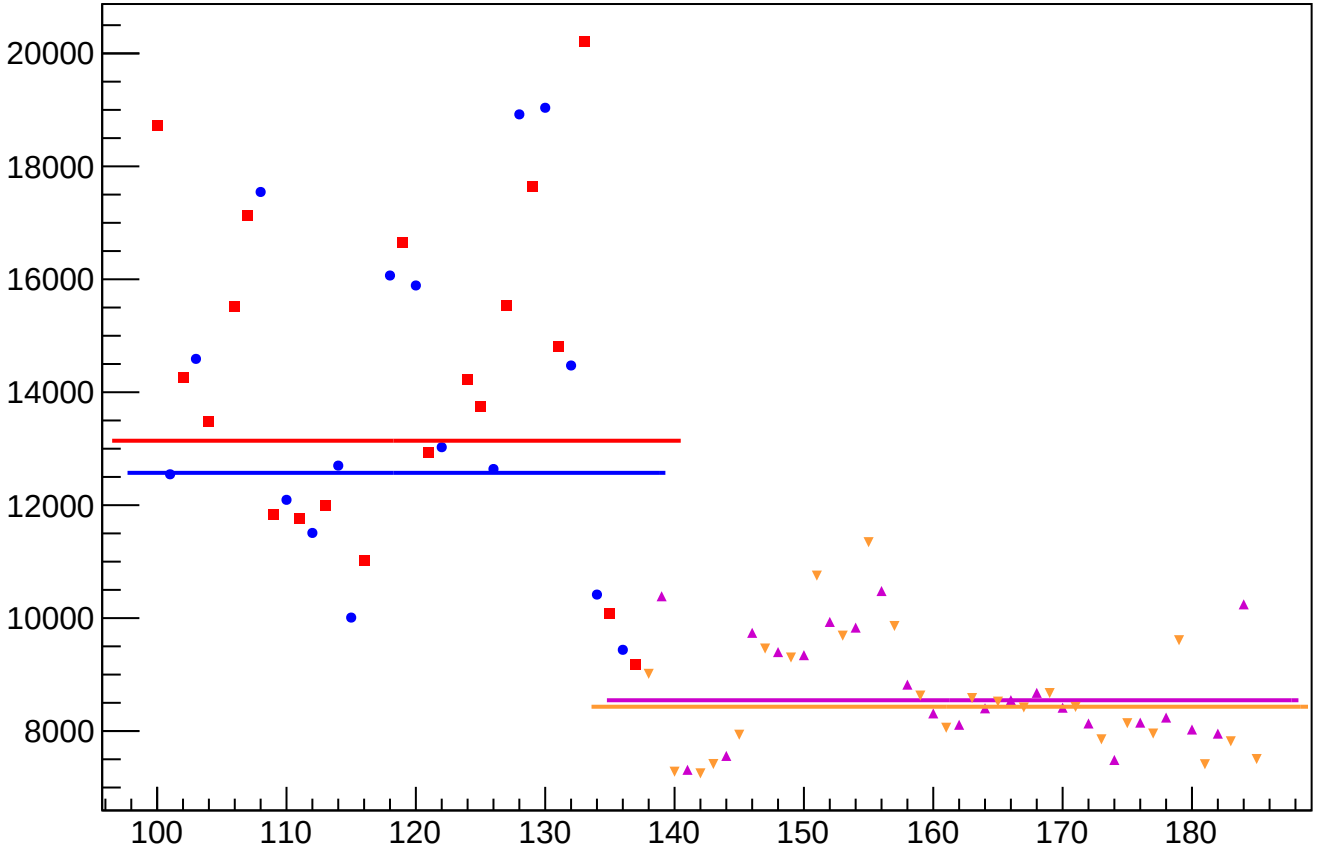
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

\+ sign -8.645+/-1.796 χ^2/NDF: 84.7/40

All: -5.695+/-1.293 χ^2/NDF: 134.9/82

\- 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: 8430.683+/-1.369 χ^2/NDF:484653.2/24

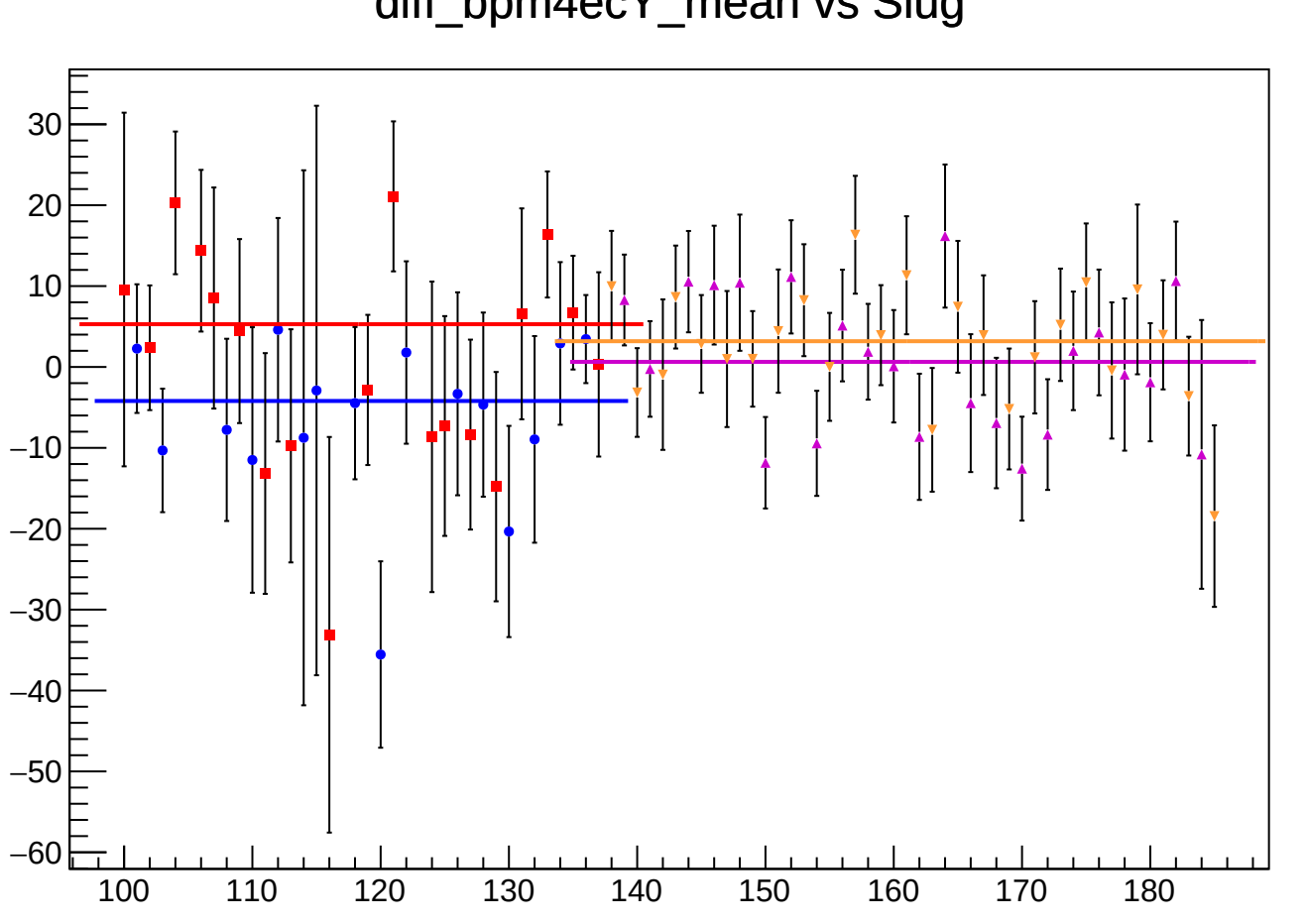
Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9007.438+/-1.270 χ^2/NDF: 2424184.0/40

All: 9103.284+/-0.914 χ^2/NDF: 4860148.8/82

- sign 9206.280+/-1.317 χ^2/NDF: 2424151.9/41



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

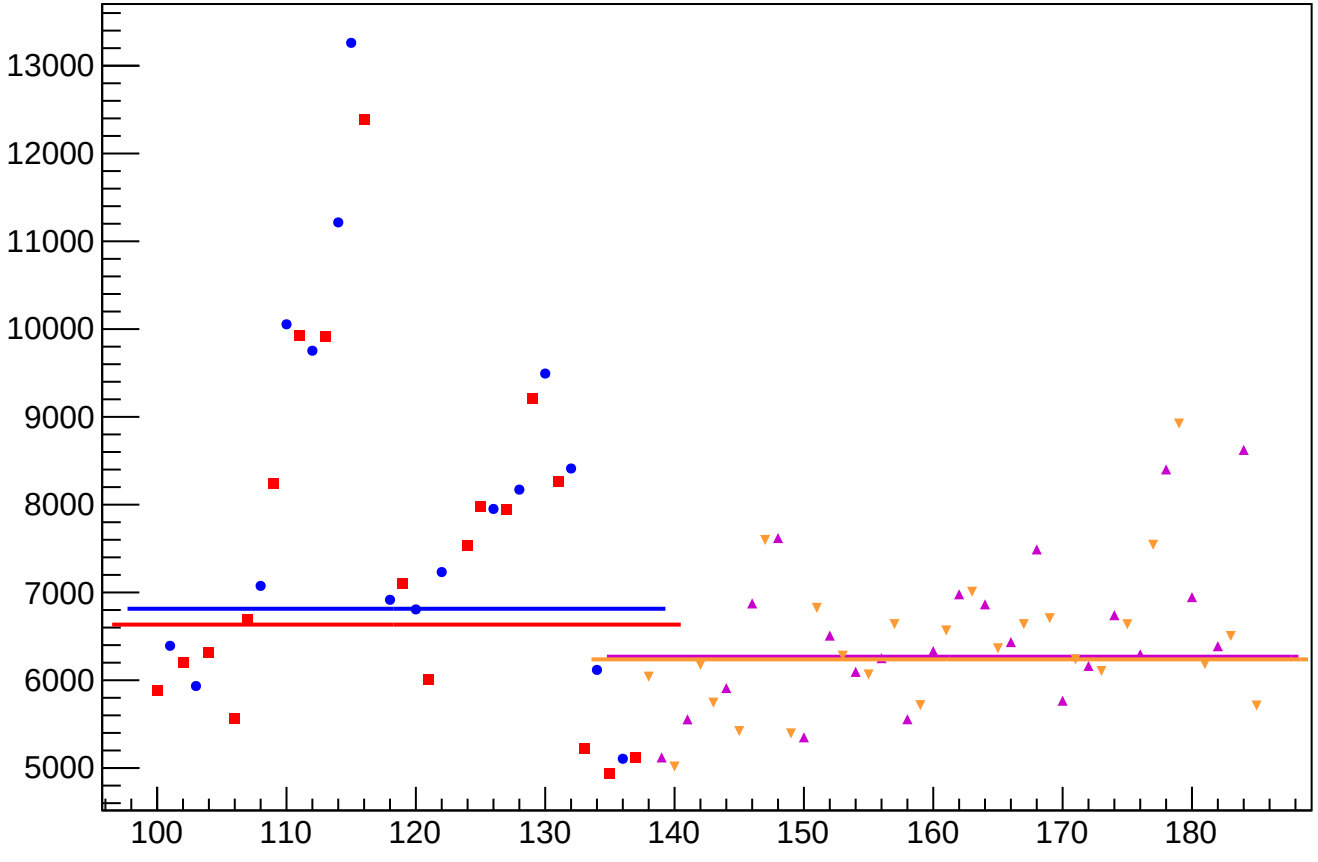
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.460+/-1.256 χ^2/NDF: 38.7/40

All: 1.648+/-0.895 χ^2/NDF: 92.9/82

- 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: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

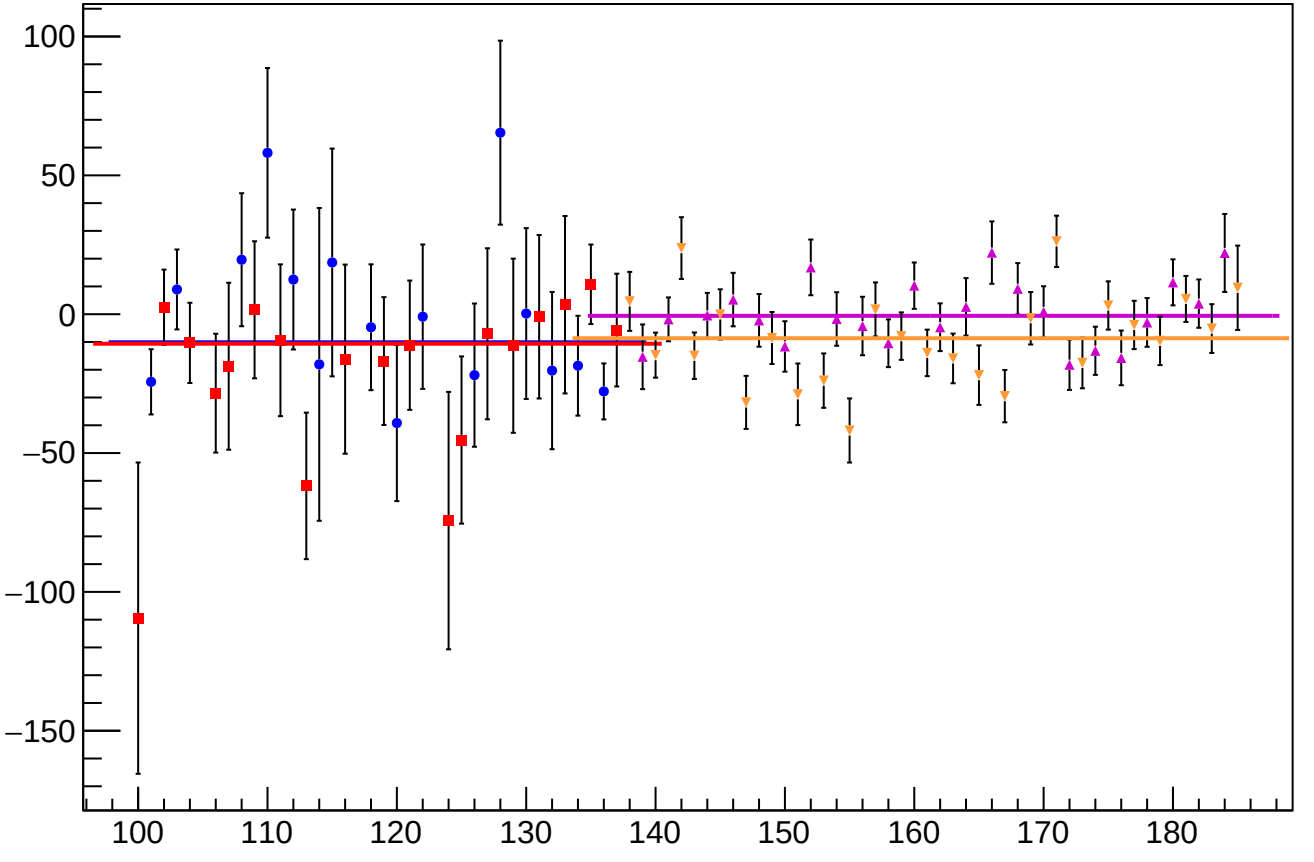
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6372.446+/-0.888 χ^2/NDF: 1257140.8/40

All: 6367.867+/-0.633 χ^2/NDF: 2576455.3/82

- 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: -8.650+/-1.875 χ^2/NDF:63.0/24

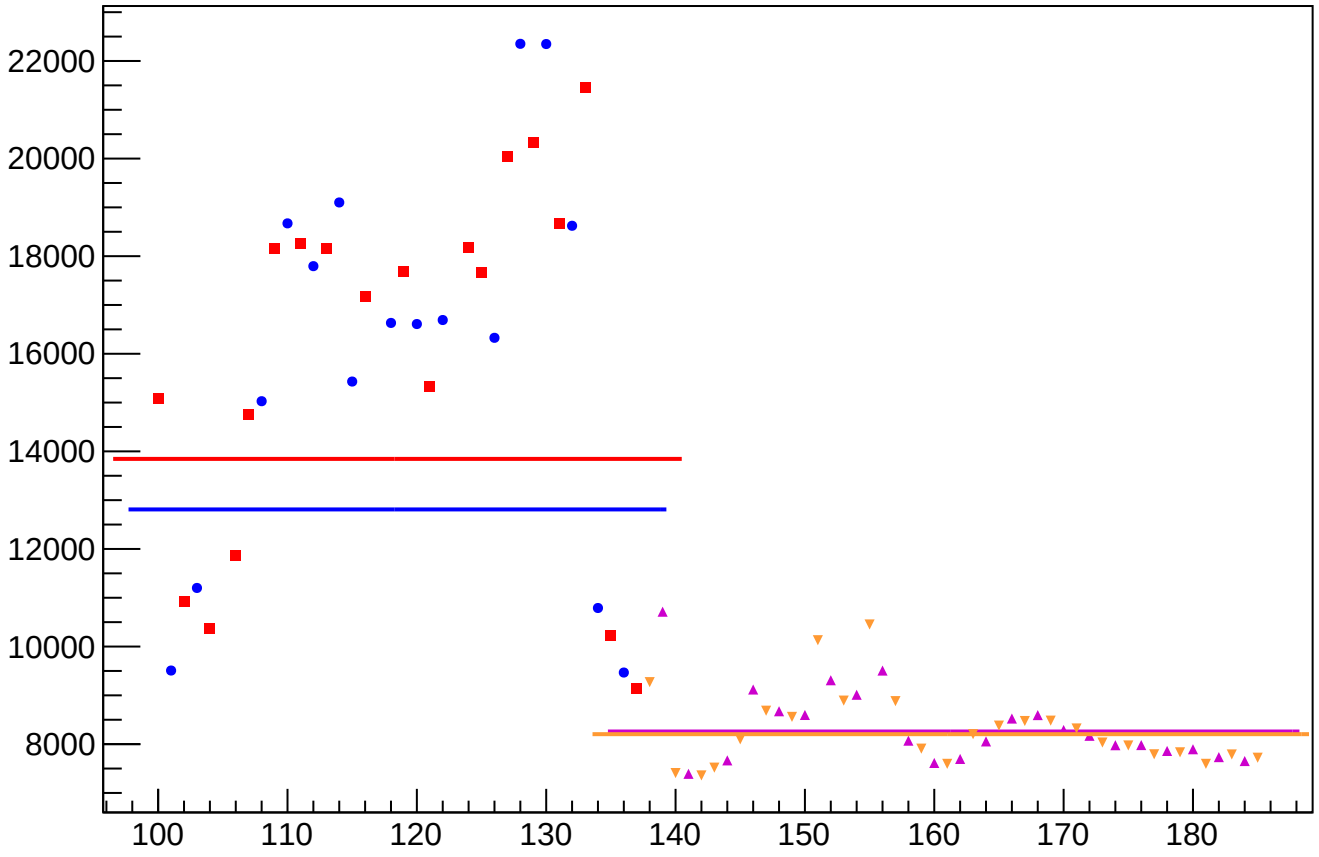
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

\+ sign -8.830+/-1.756 χ^2/NDF: 84.4/40

All: -5.428+/-1.264 χ^2/NDF: 138.6/82

\- 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: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

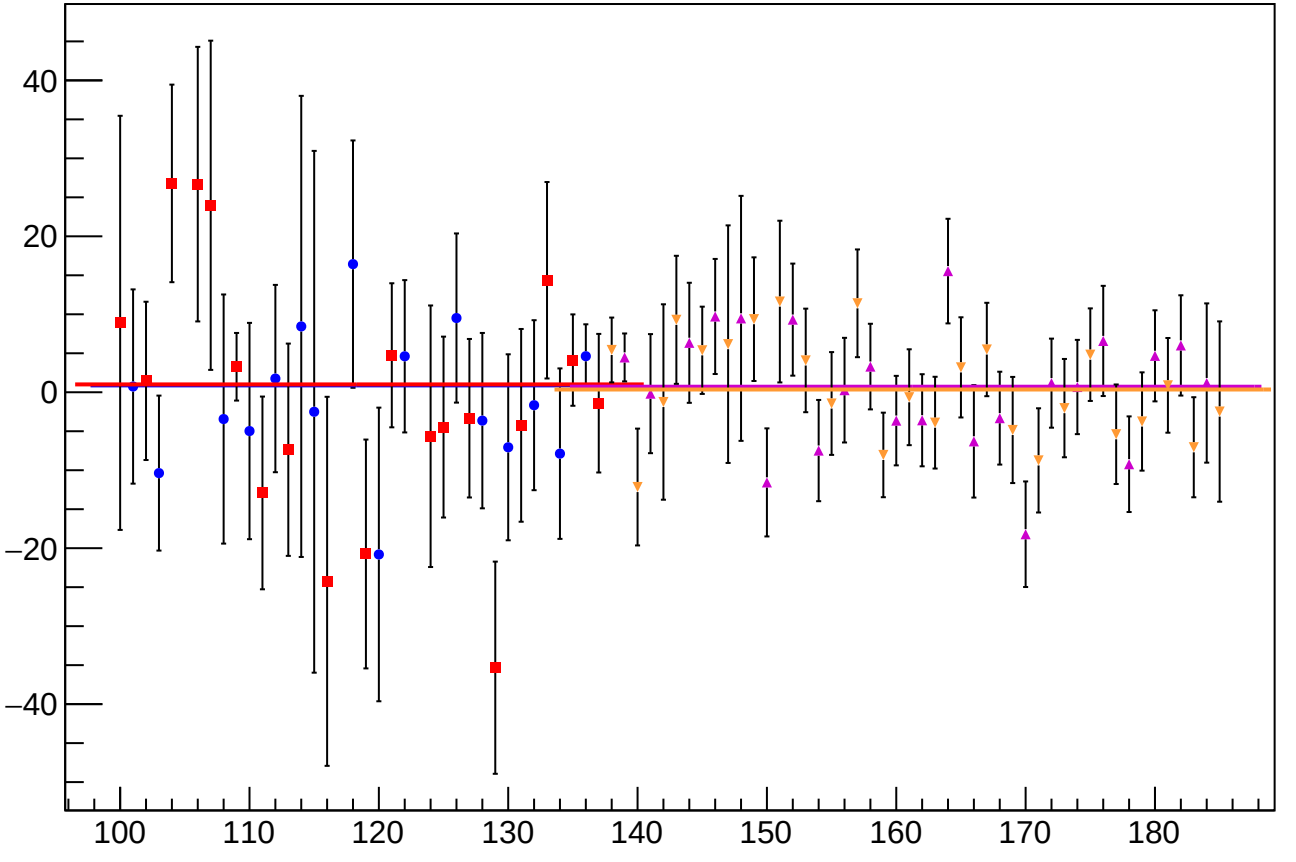
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

\+ sign 8768.924+/-1.242 χ^2/NDF: 2999871.9/40

All: 8843.547+/-0.894 χ^2/NDF: 6336324.5/82

\- 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: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

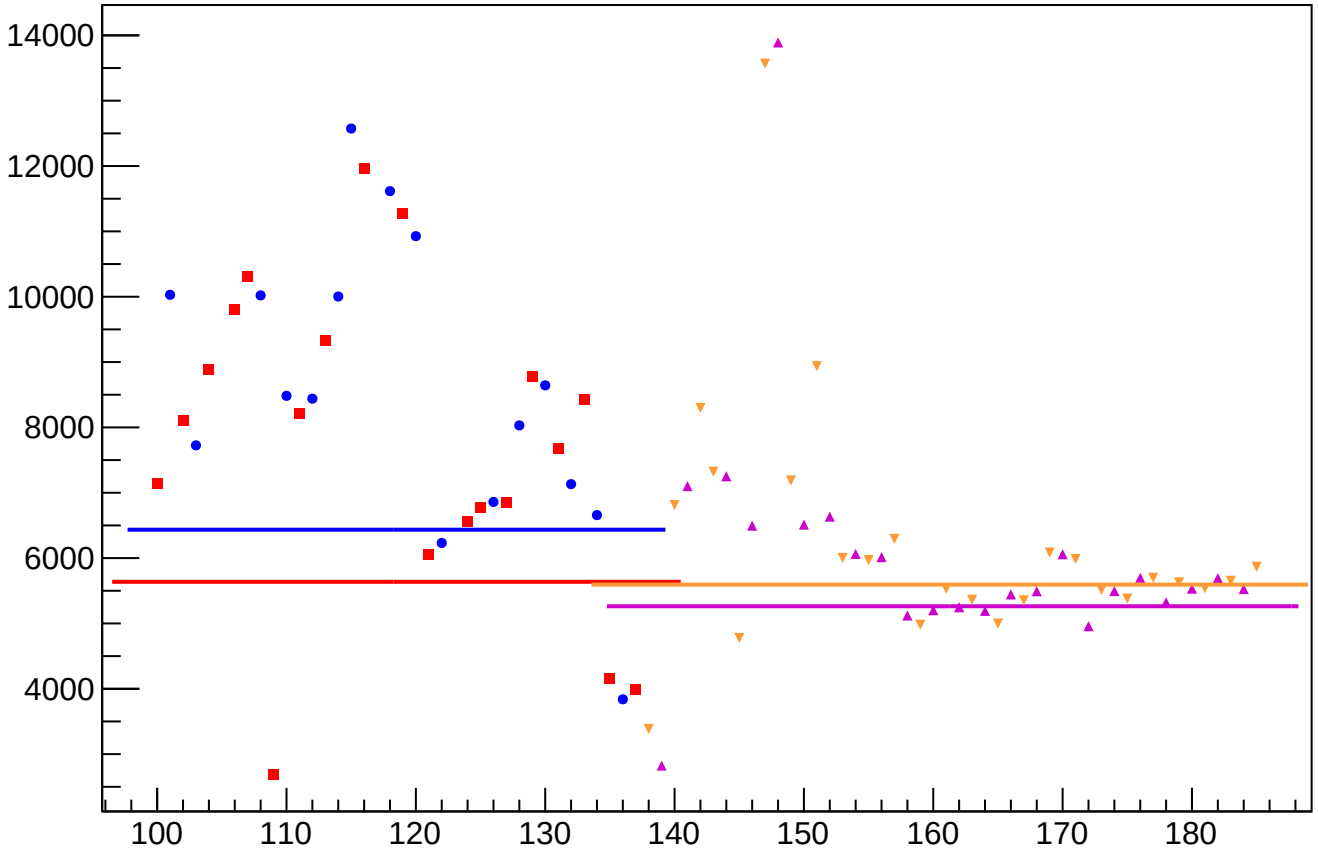
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.464+/-1.175 χ^2/NDF: 28.4/40

All: 0.628+/-0.814 χ^2/NDF: 80.6/82

- 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: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

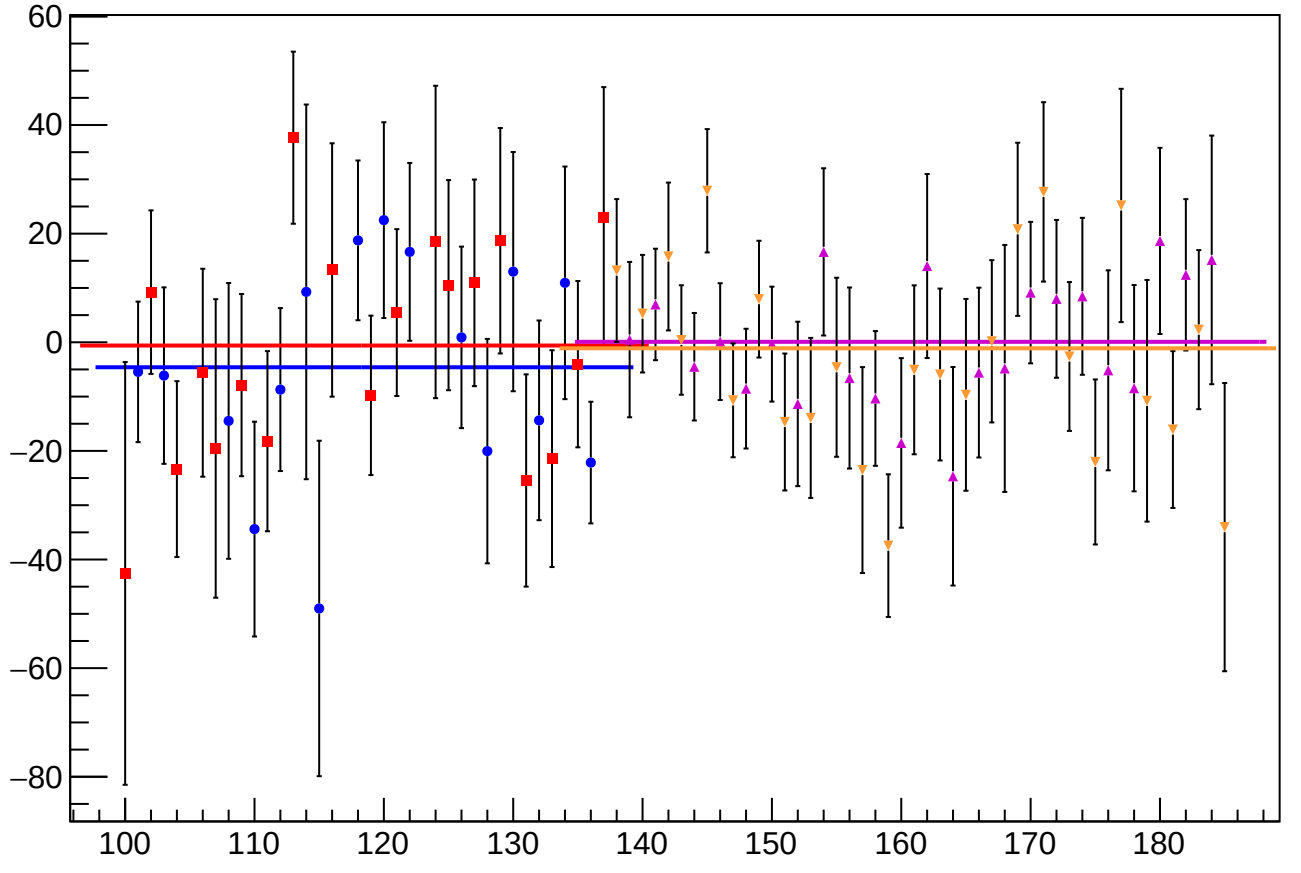
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5770.621+/-0.831 χ^2/NDF: 3704274.0/40

All: 5552.535+/-0.575 χ^2/NDF: 8882222.0/82

- 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: -1.111+/-2.813 χ^2/NDF:33.8/24

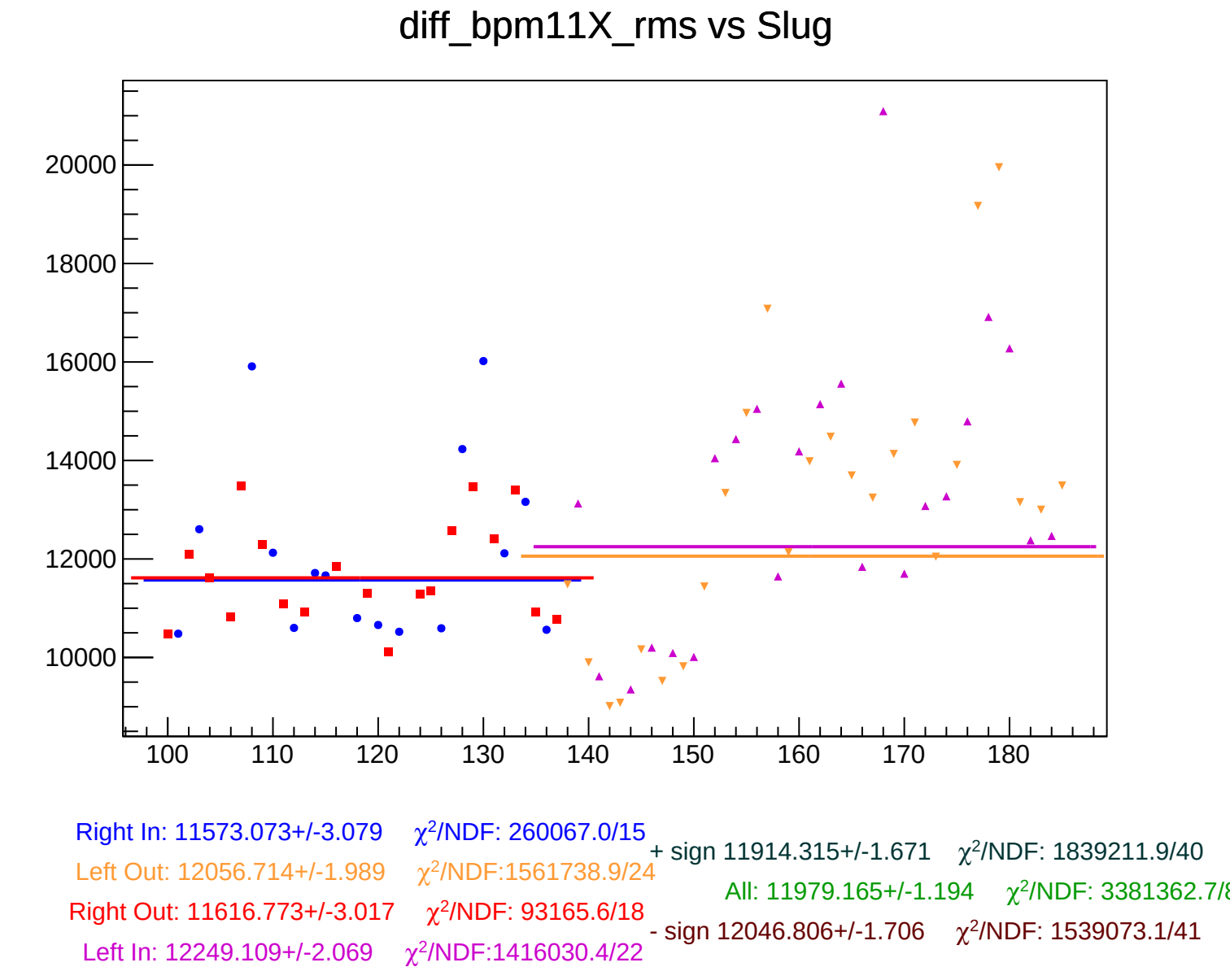
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

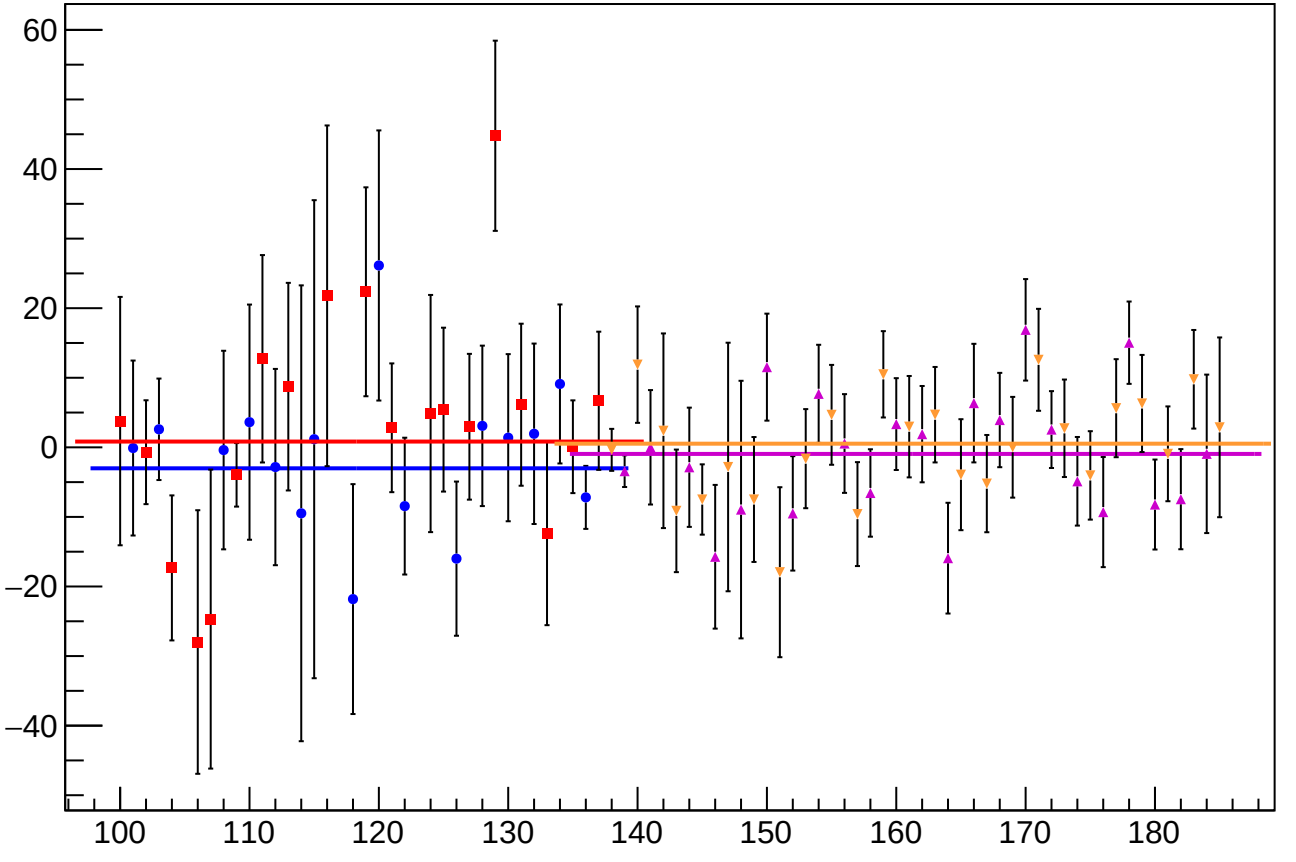
+ sign -2.139+/-2.363 χ^2/NDF: 50.0/40

All: -1.158+/-1.688 χ^2/NDF: 79.7/82

- 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: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 11914.315+/-1.671 χ²/NDF: 1839211.9/40
All: 11979.165+/-1.194 χ²/NDF: 3381362.7/8
- 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: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

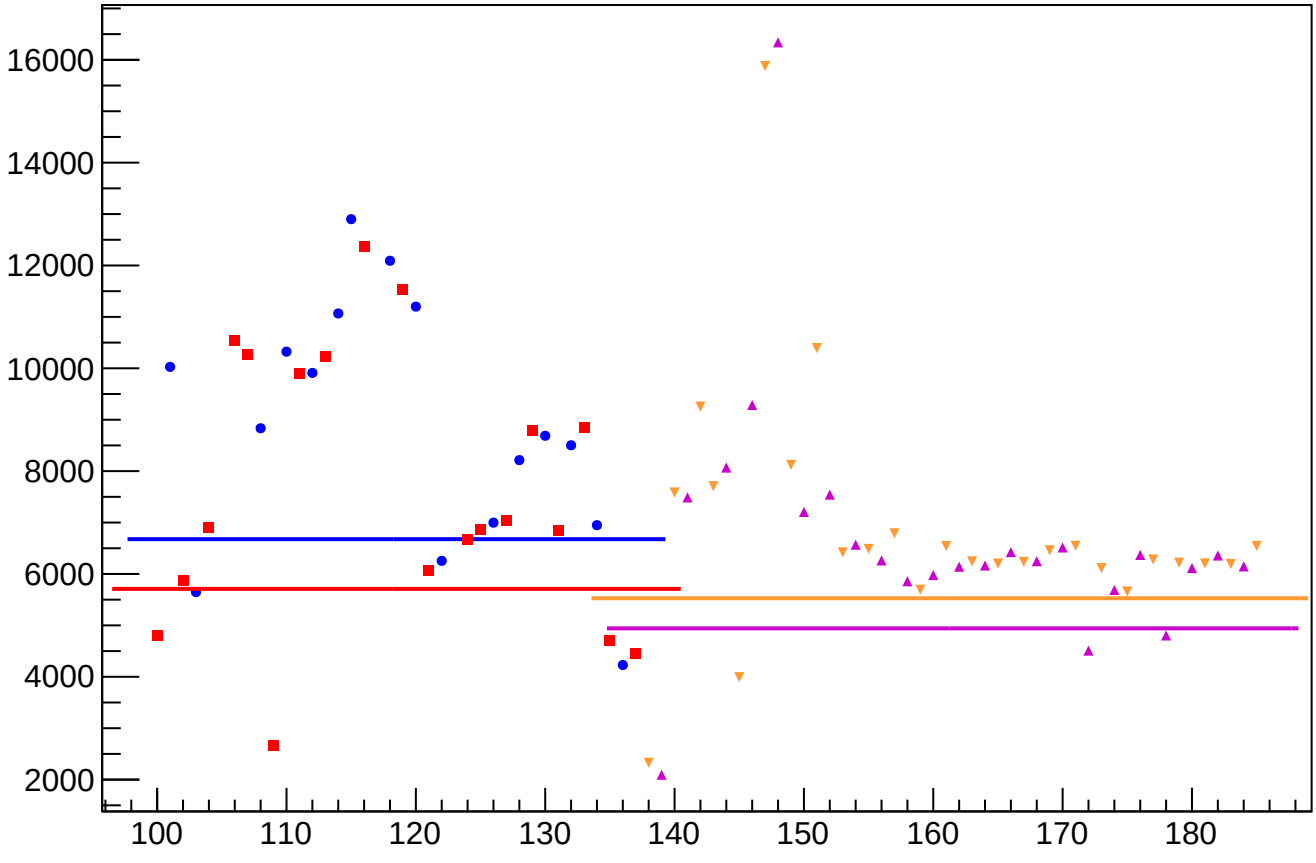
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign -0.218+/-1.216 χ^2/NDF: 31.5/40

All: -0.387+/-0.829 χ^2/NDF: 88.0/82

- 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: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

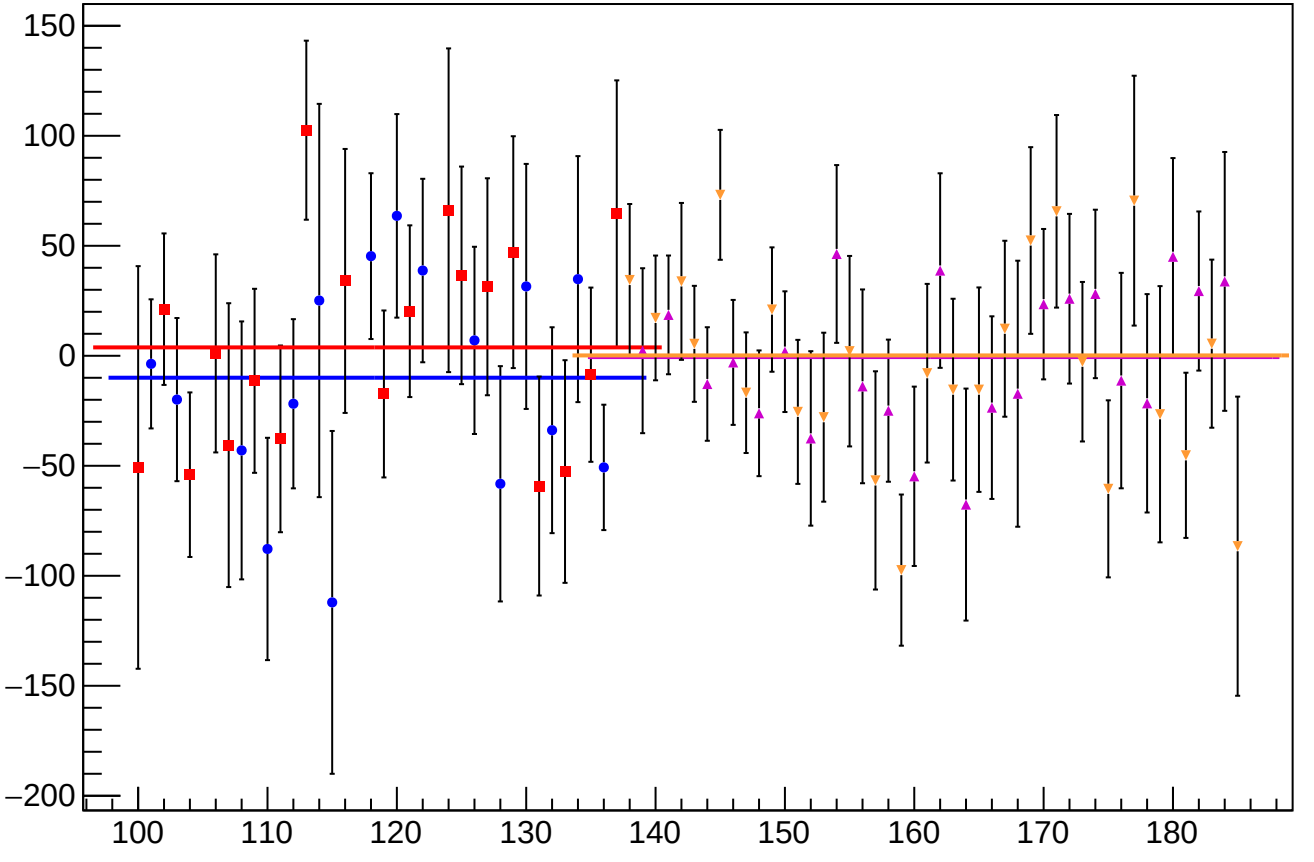
Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5769.359+/-0.860 χ^2/NDF: 6244671.1/40

All: 5422.169+/-0.587 χ^2/NDF: 14949927.5/8

- 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: 0.168+/-7.375 χ^2/NDF:31.1/24

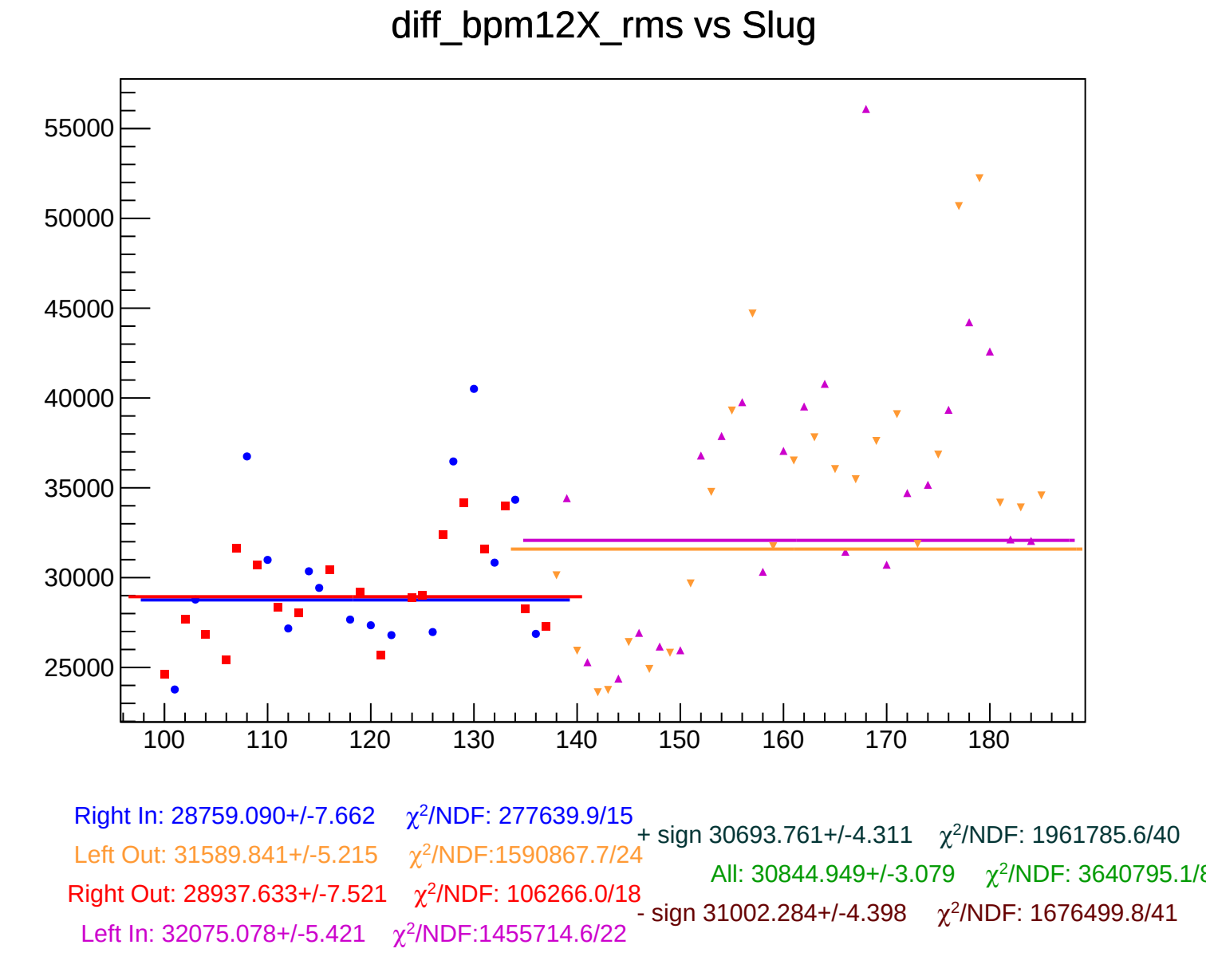
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

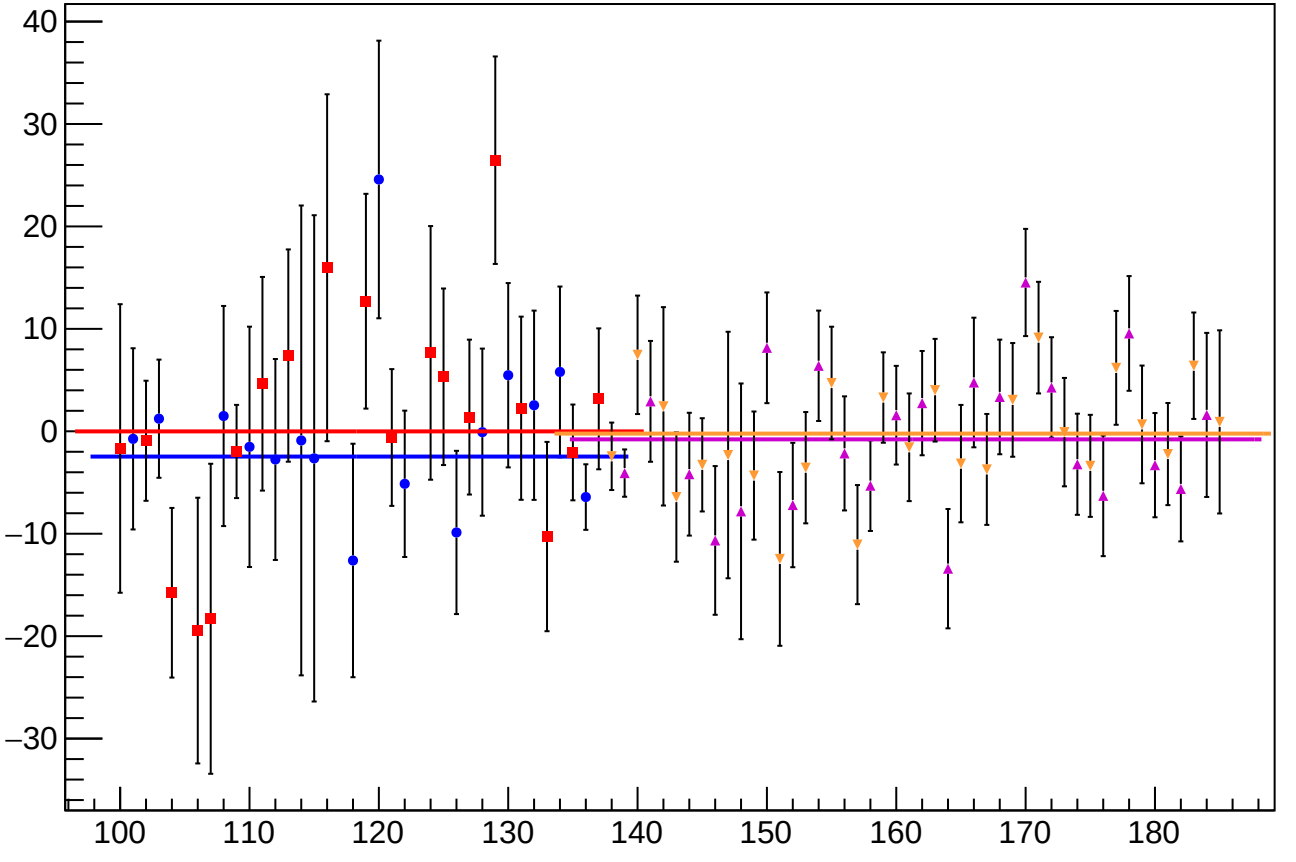
+ sign -3.041+/-6.097 χ^2/NDF: 47.0/40

All: -1.101+/-4.354 χ^2/NDF: 77.4/82

- 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: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30693.761+/-4.311 χ²/NDF: 1961785.6/40
All: 30844.949+/-3.079 χ²/NDF: 3640795.1/8
- 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: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

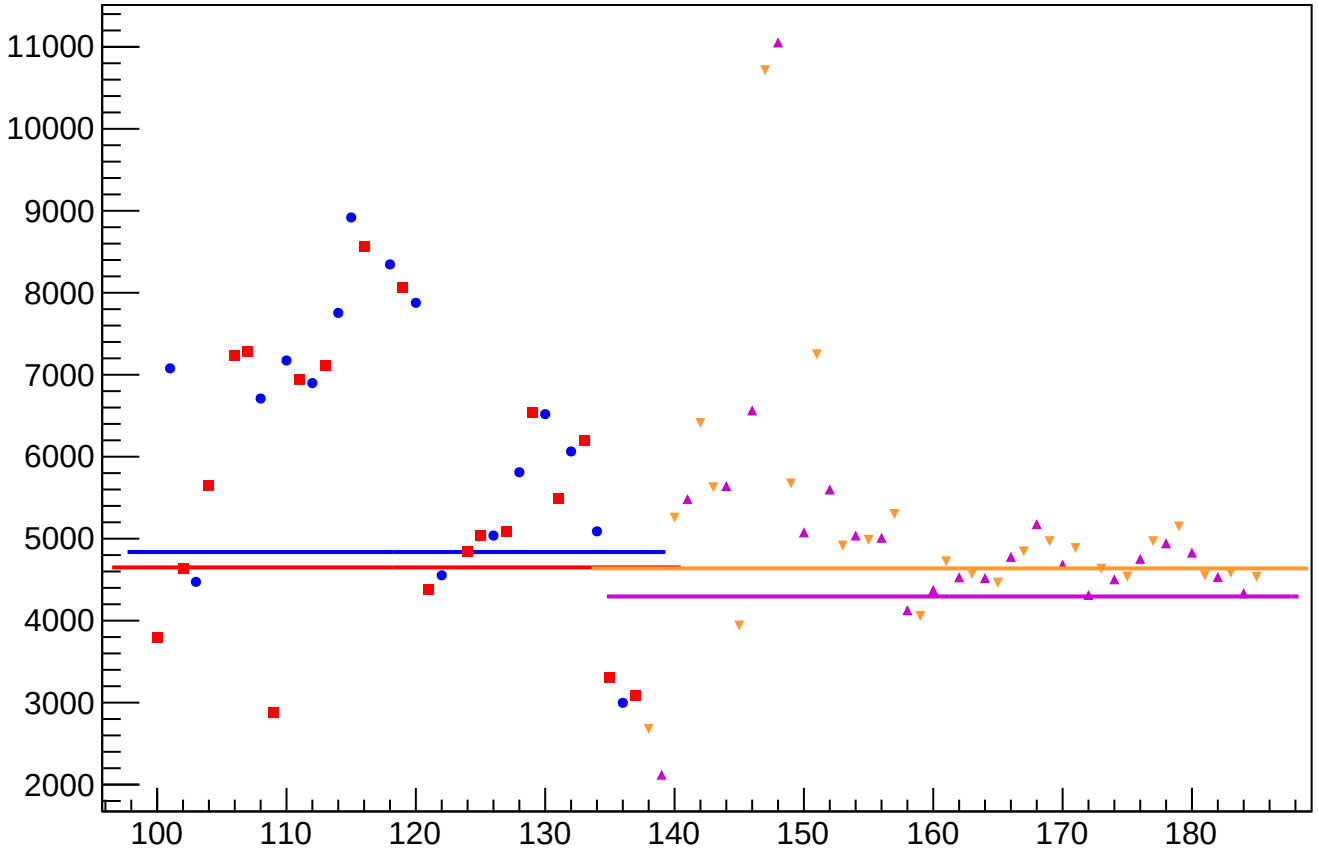
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.777+/-0.950 χ^2/NDF: 31.0/40

All: -0.681+/-0.660 χ^2/NDF: 84.8/82

- 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: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

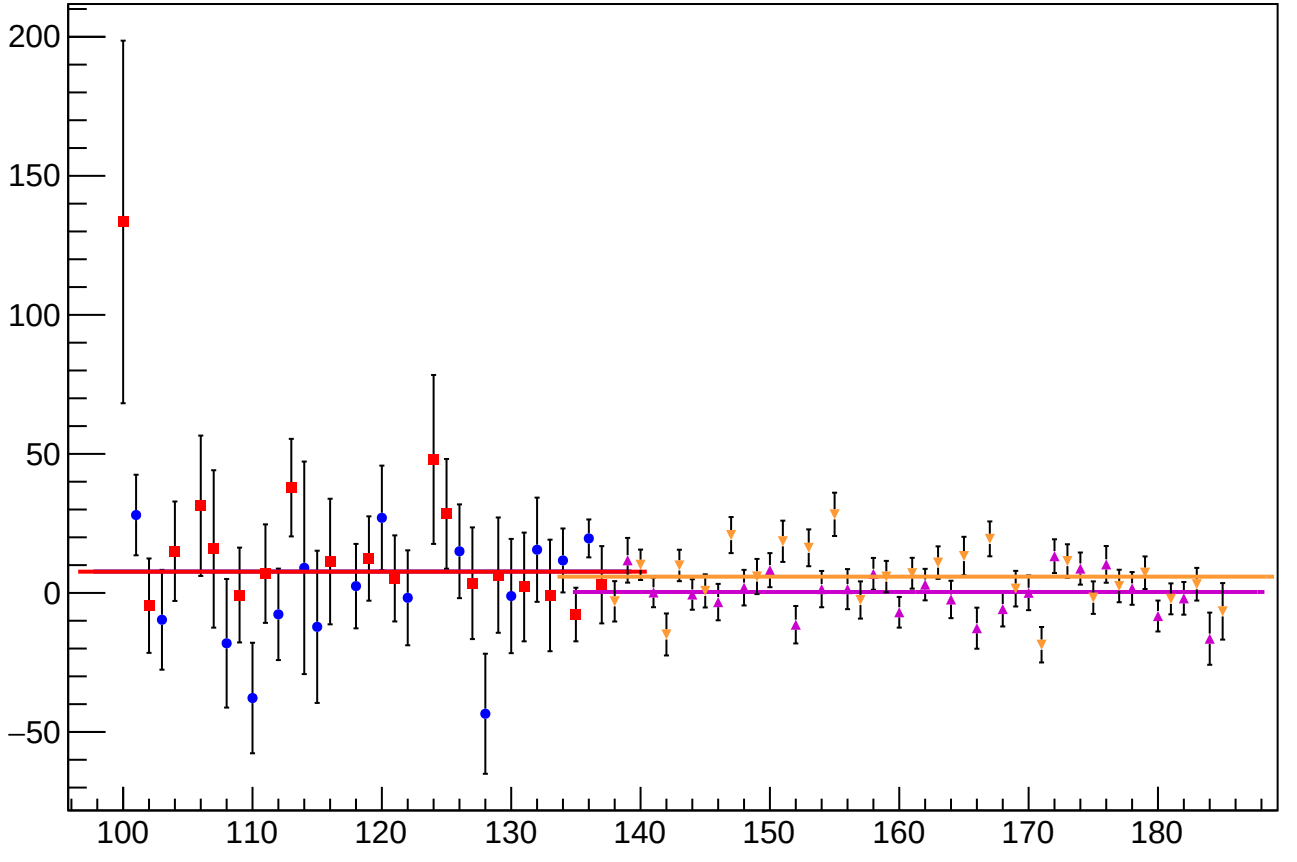
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4686.526+/-0.672 χ^2/NDF: 3327272.9/40

All: 4530.178+/-0.467 χ^2/NDF: 8018415.9/82

- 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: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

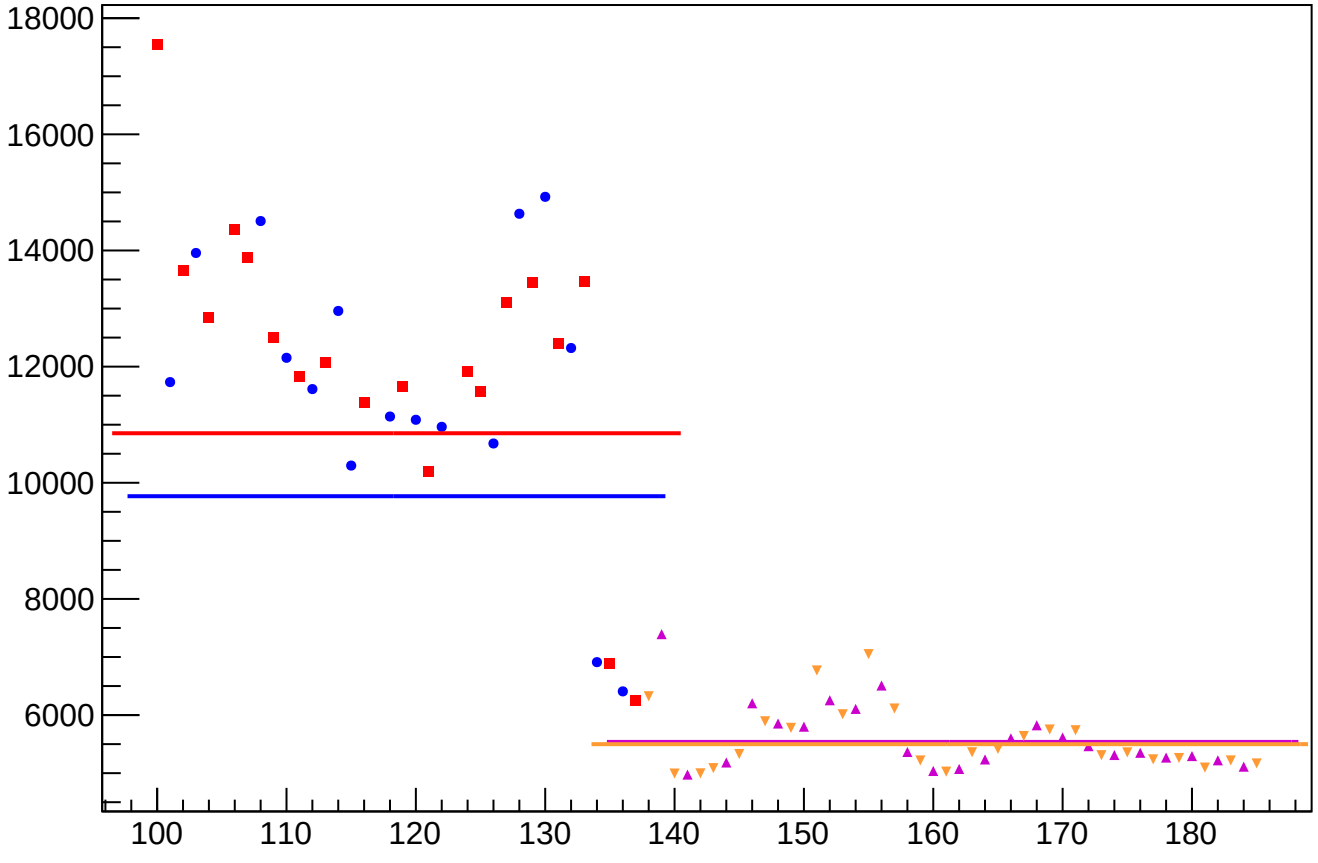
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.030+/-1.194 χ^2/NDF: 81.9/40

All: 3.612+/-0.860 χ^2/NDF: 137.2/82

- 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: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

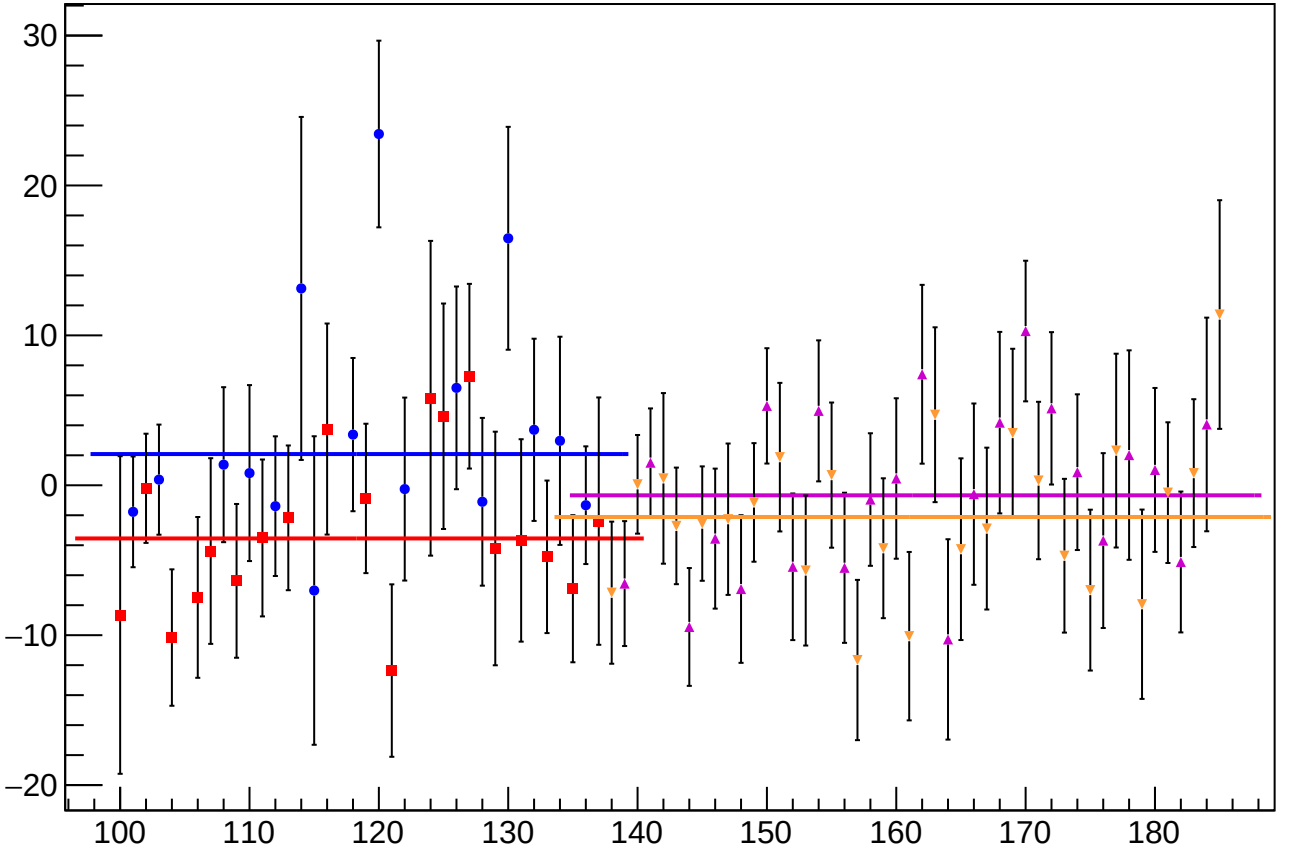
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5916.638+/-0.845 χ^2/NDF: 3765859.5/40

All: 5968.327+/-0.608 χ^2/NDF: 8007136.1/82

- 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: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

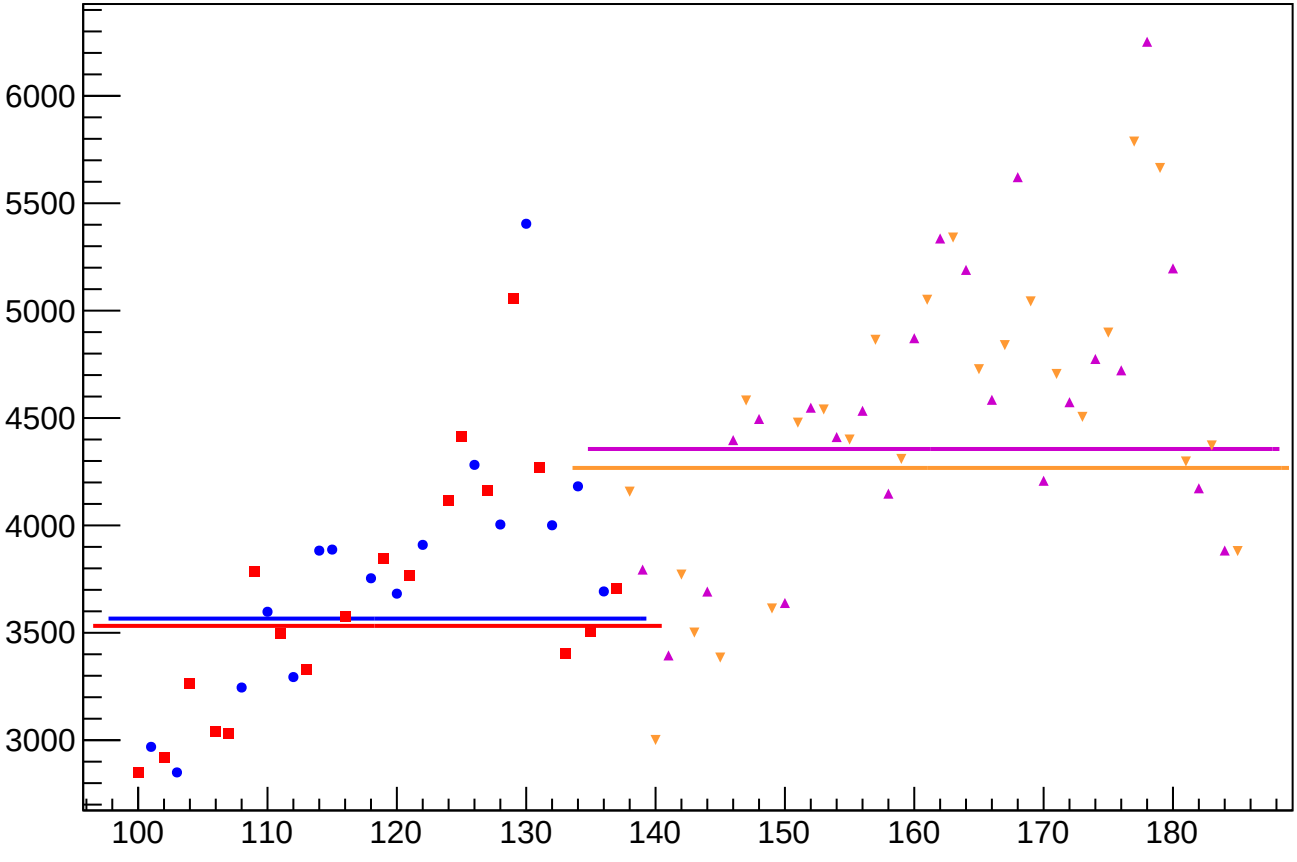
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.646+/-0.796 χ^2/NDF: 44.8/40

All: -1.202+/-0.567 χ^2/NDF: 90.6/82

- 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: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

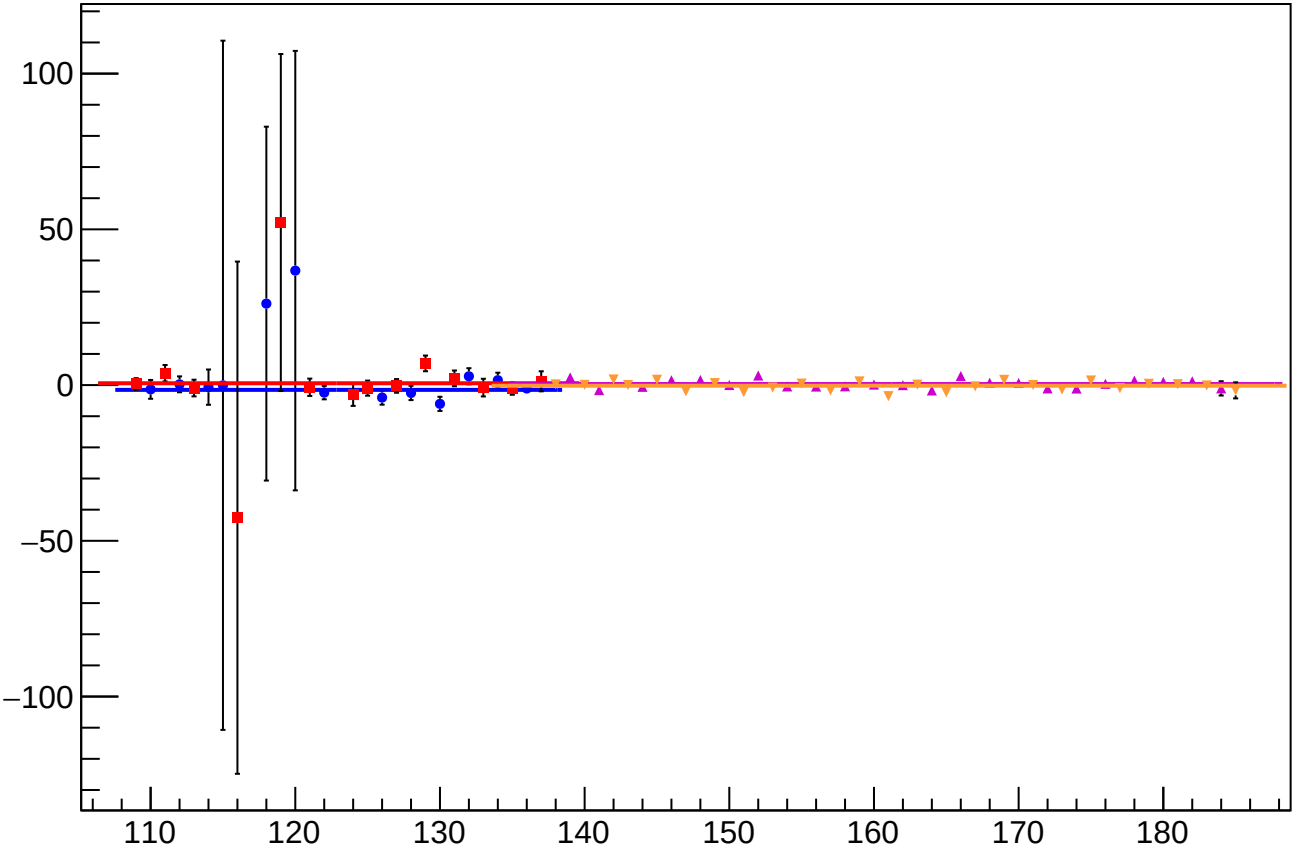
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 4022.082+/-0.563 χ^2/NDF: 1729254.3/40

All: 4030.469+/-0.401 χ^2/NDF: 3242422.1/82

- 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: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

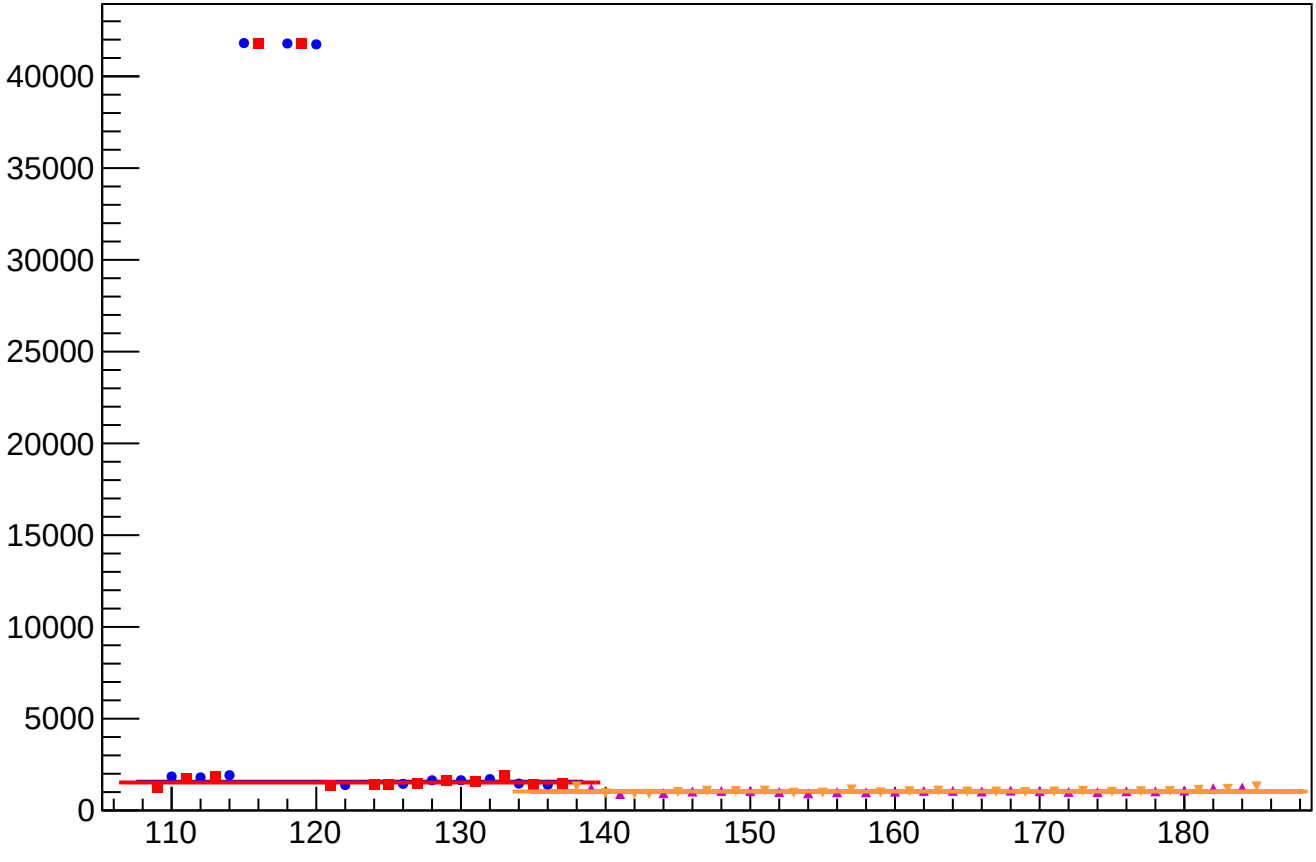
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.326+/-0.224 χ^2/NDF: 48.0/37

All: 0.009+/-0.160 χ^2/NDF: 94.8/74

- 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: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

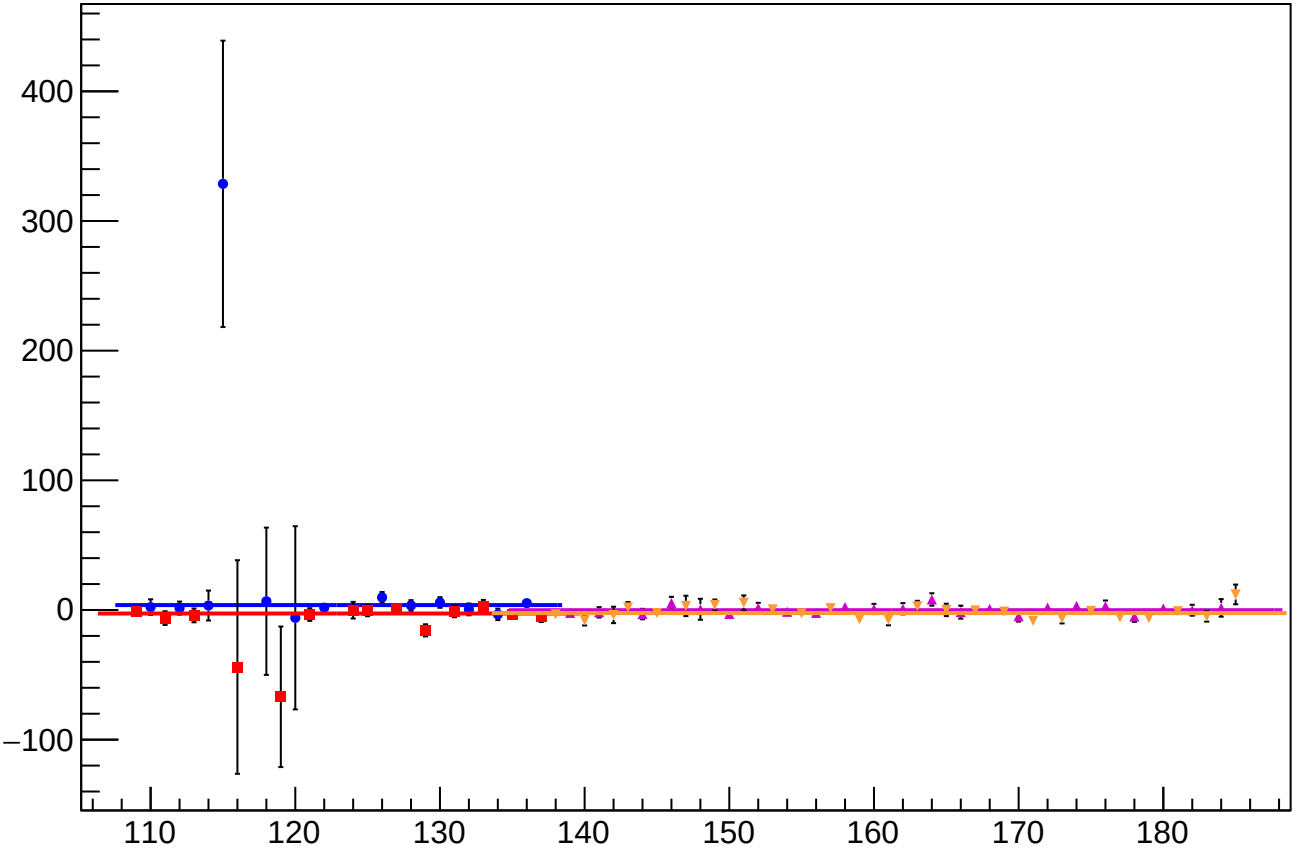
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1081.363+/-0.159 χ^2/NDF: 3219714.3/37

All: 1082.149+/-0.113 χ^2/NDF: 5988105.4/74

- 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: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

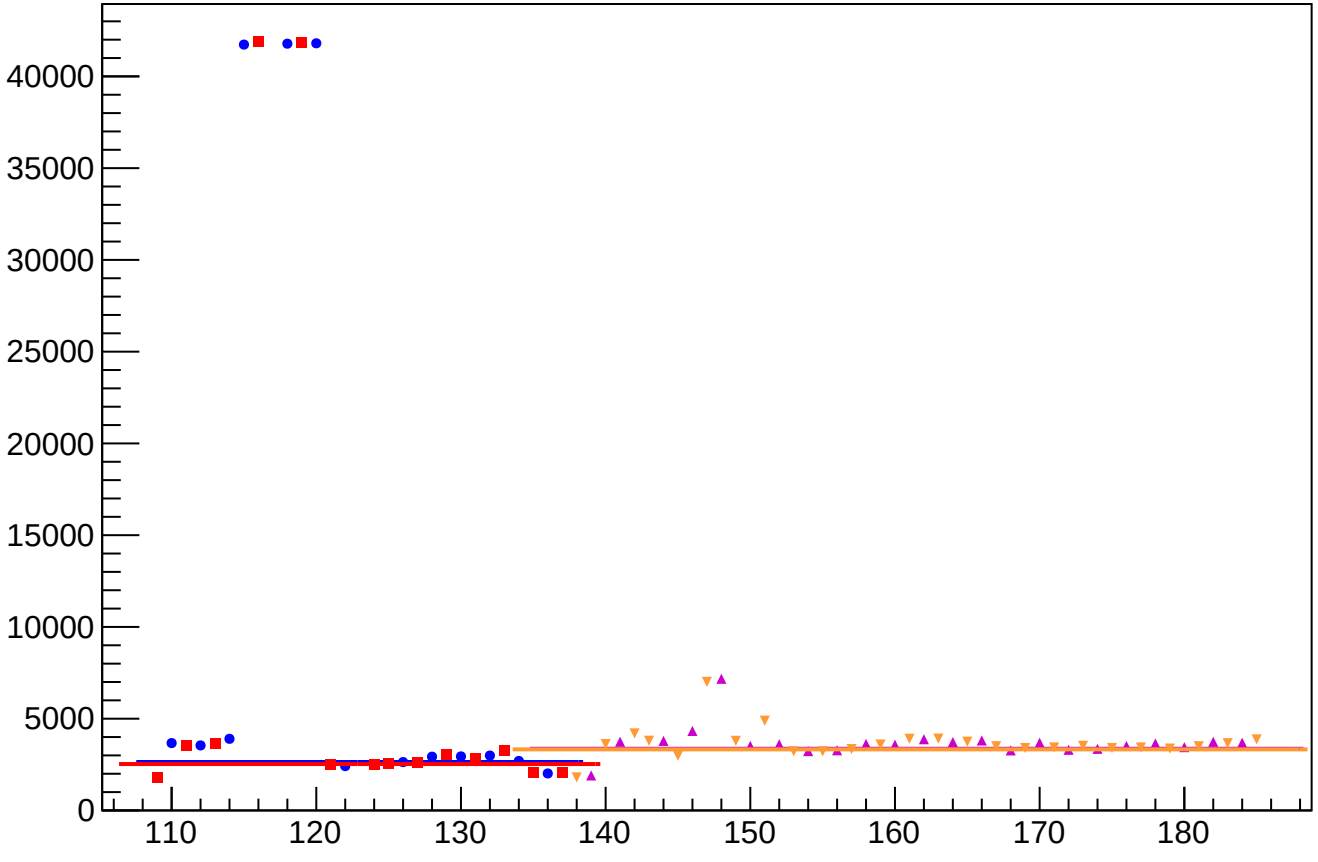
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.645+/-0.663 χ^2/NDF: 56.9/37

All: -0.798+/-0.472 χ^2/NDF: 86.3/74

- sign -0.955+/-0.673 χ^2/NDF: 29.3/36

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

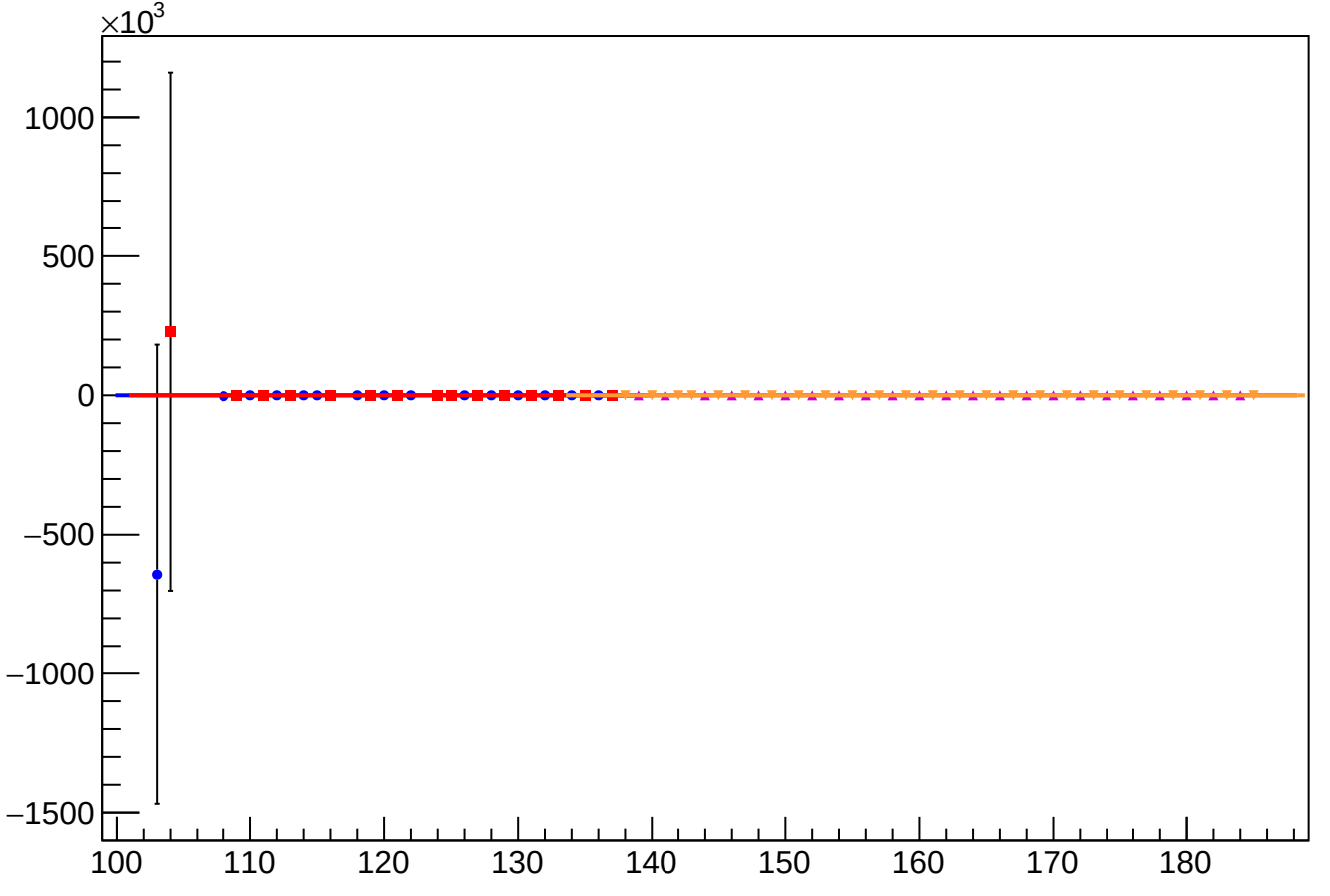
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 3134.234+/-0.469 χ^2/NDF: 4525624.2/37

All: 3119.273+/-0.334 χ^2/NDF: 8779154.2/74

- 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: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

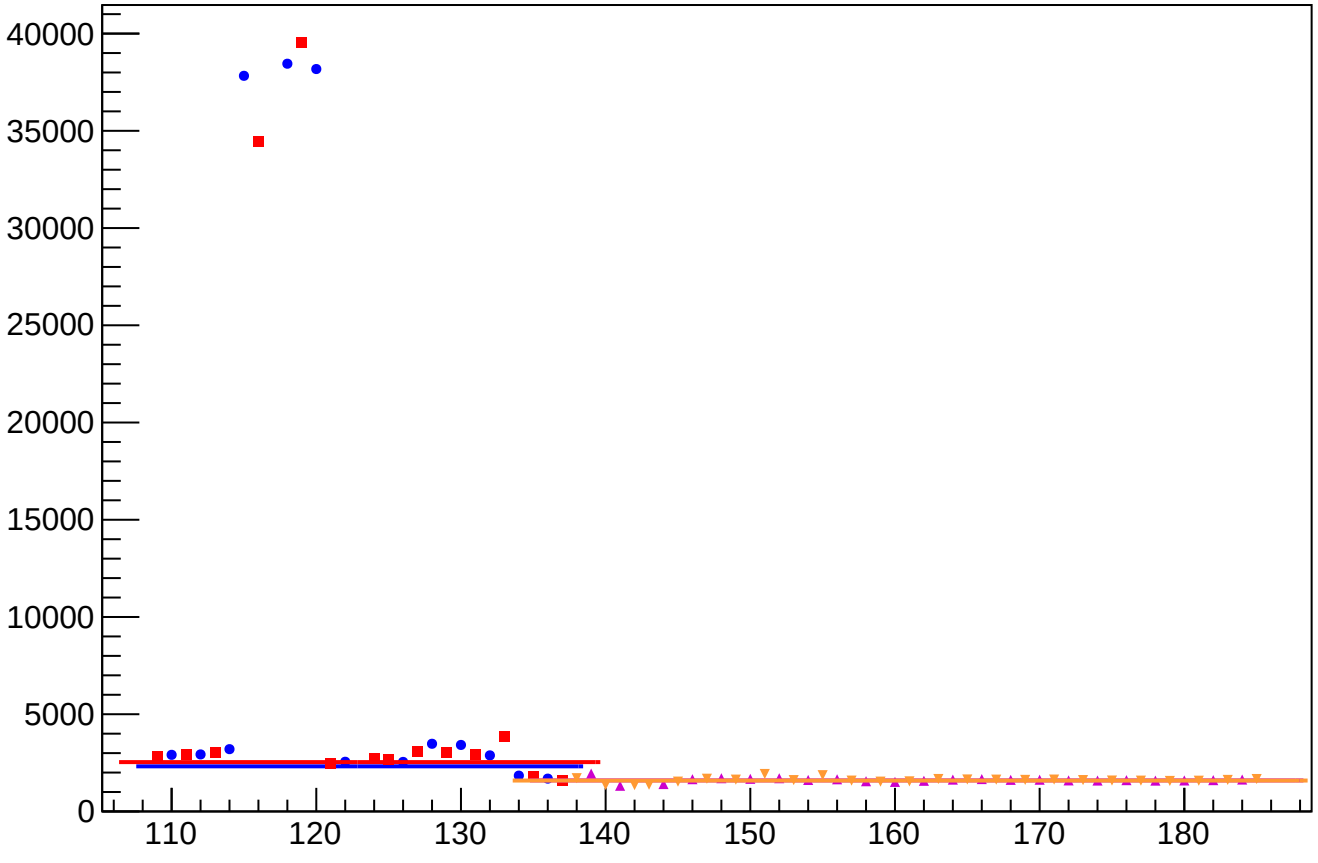
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.539+/-0.345 χ^2/NDF: 69.2/39

All: -0.901+/-0.248 χ^2/NDF: 122.5/77

- 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: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

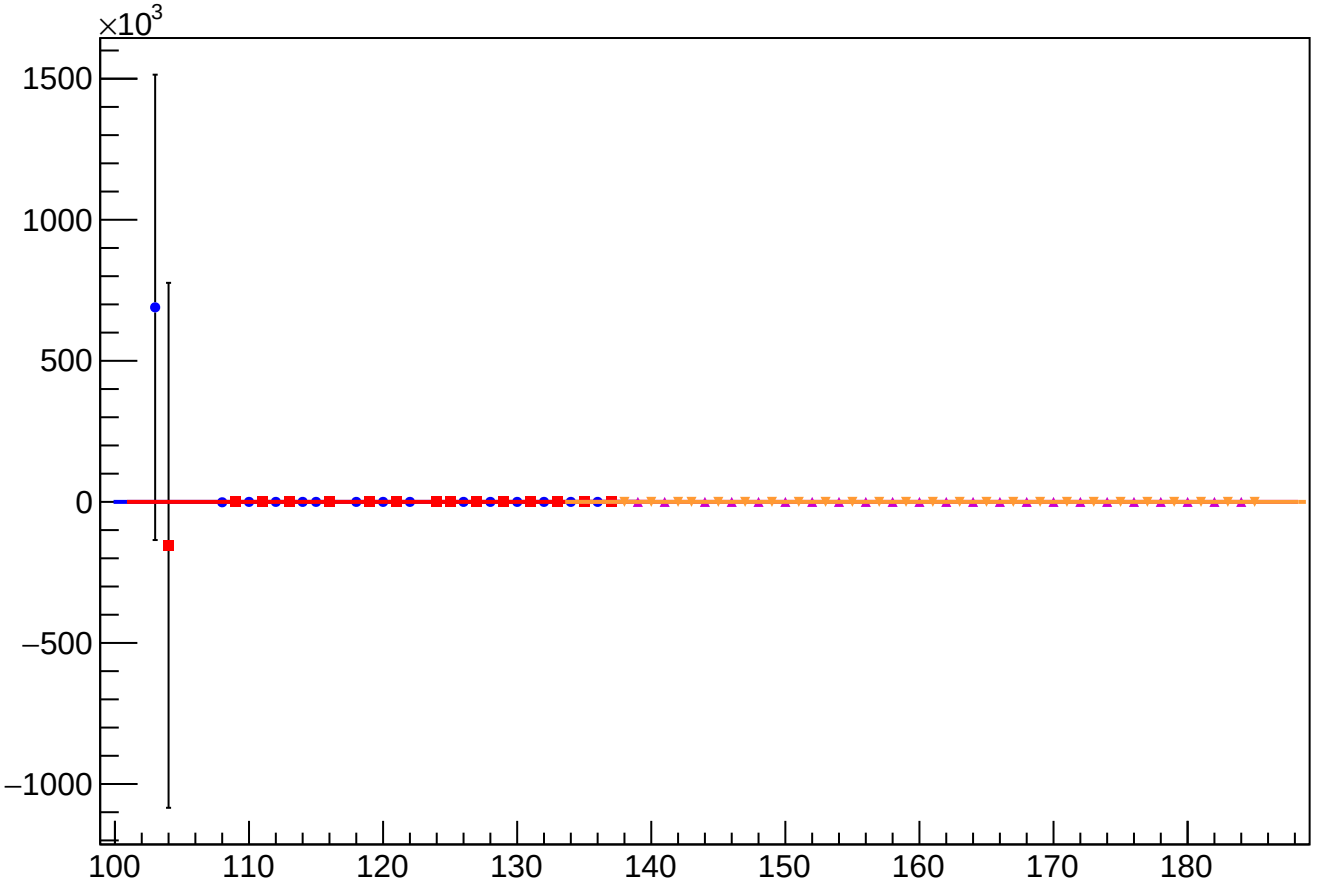
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1658.351+/-0.244 χ^2/NDF: 3458372.7/37

All: 1667.984+/-0.176 χ^2/NDF: 6799601.3/74

- 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: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

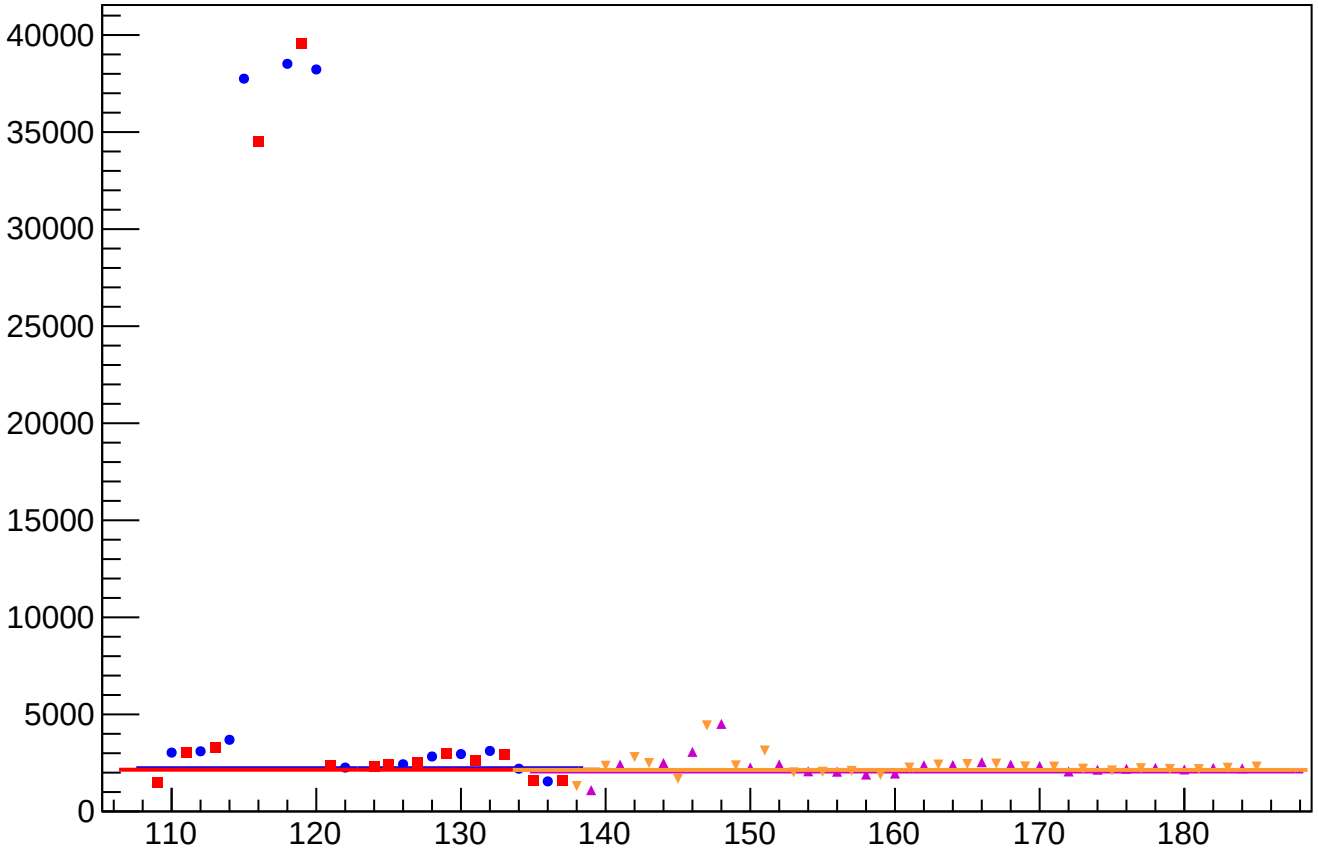
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.663+/-0.455 χ^2/NDF: 35.3/39

All: -0.455+/-0.321 χ^2/NDF: 70.9/77

- 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: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

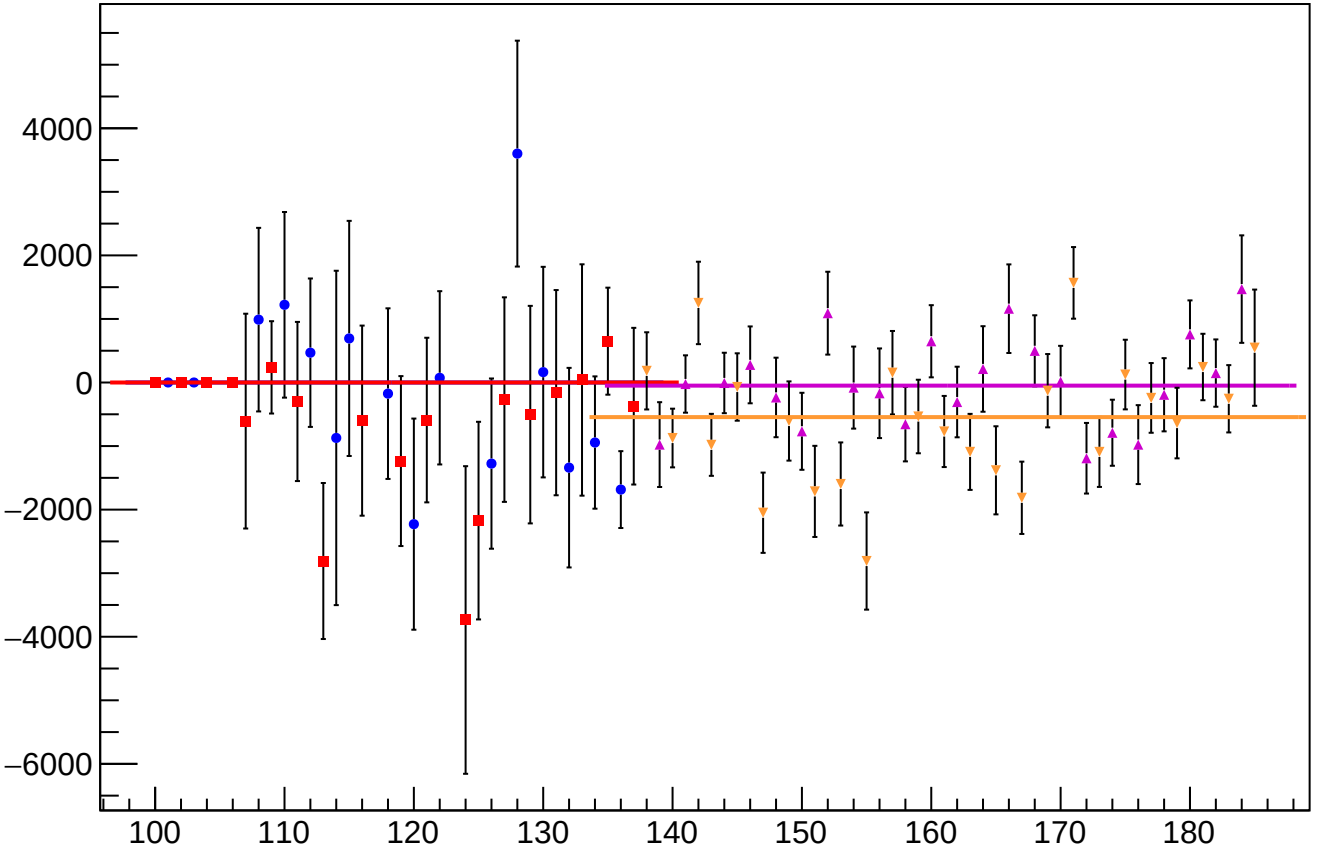
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2154.939+/-0.322 χ^2/NDF: 4013187.3/37

All: 2114.903+/-0.227 χ^2/NDF: 8581489.8/74

- 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: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

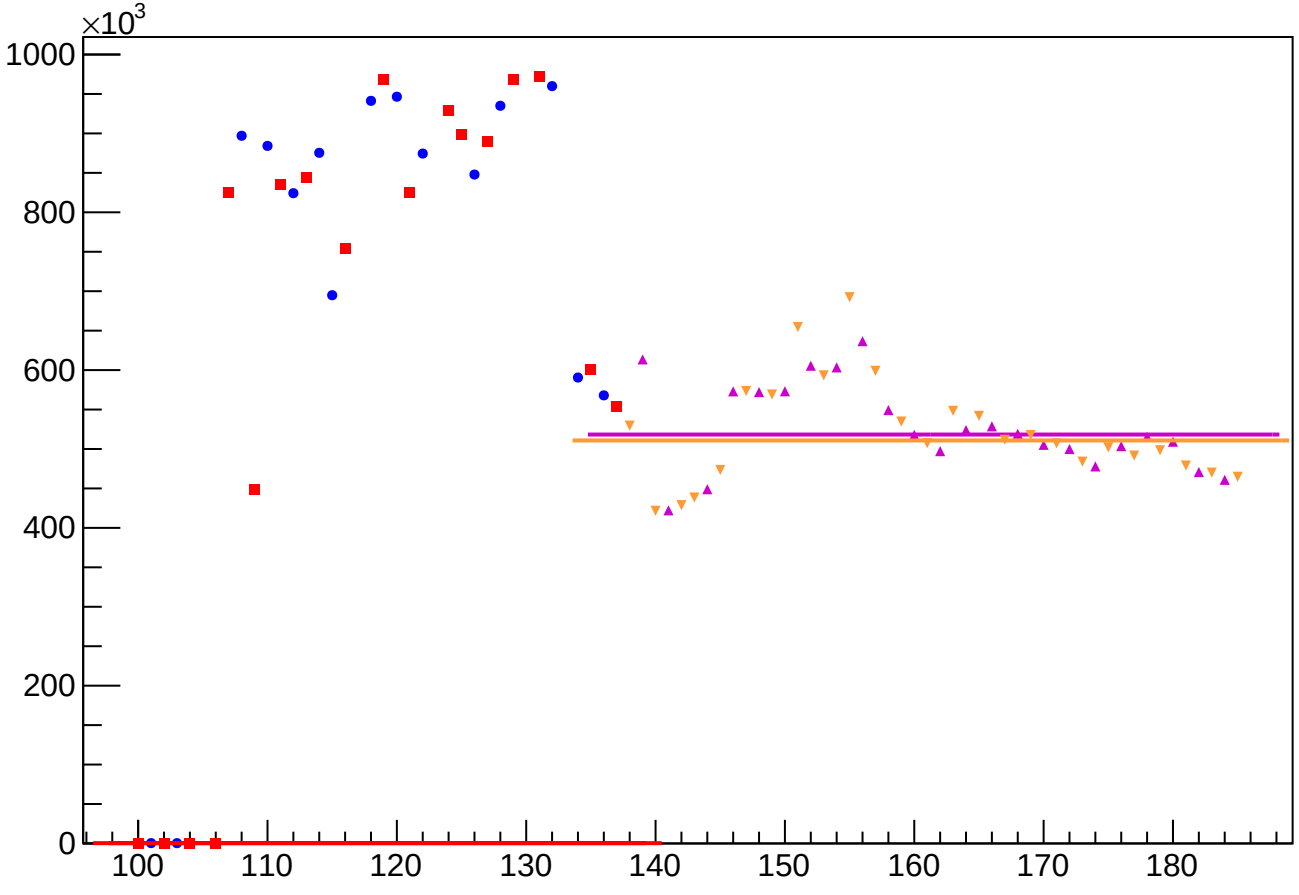
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 100.2/40

All: 0.167+/-0.241 χ^2/NDF: 143.9/82

- sign 0.096+/-0.328 χ^2/NDF: 43.5/41

diff_cav4bX_rms vs Slug



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

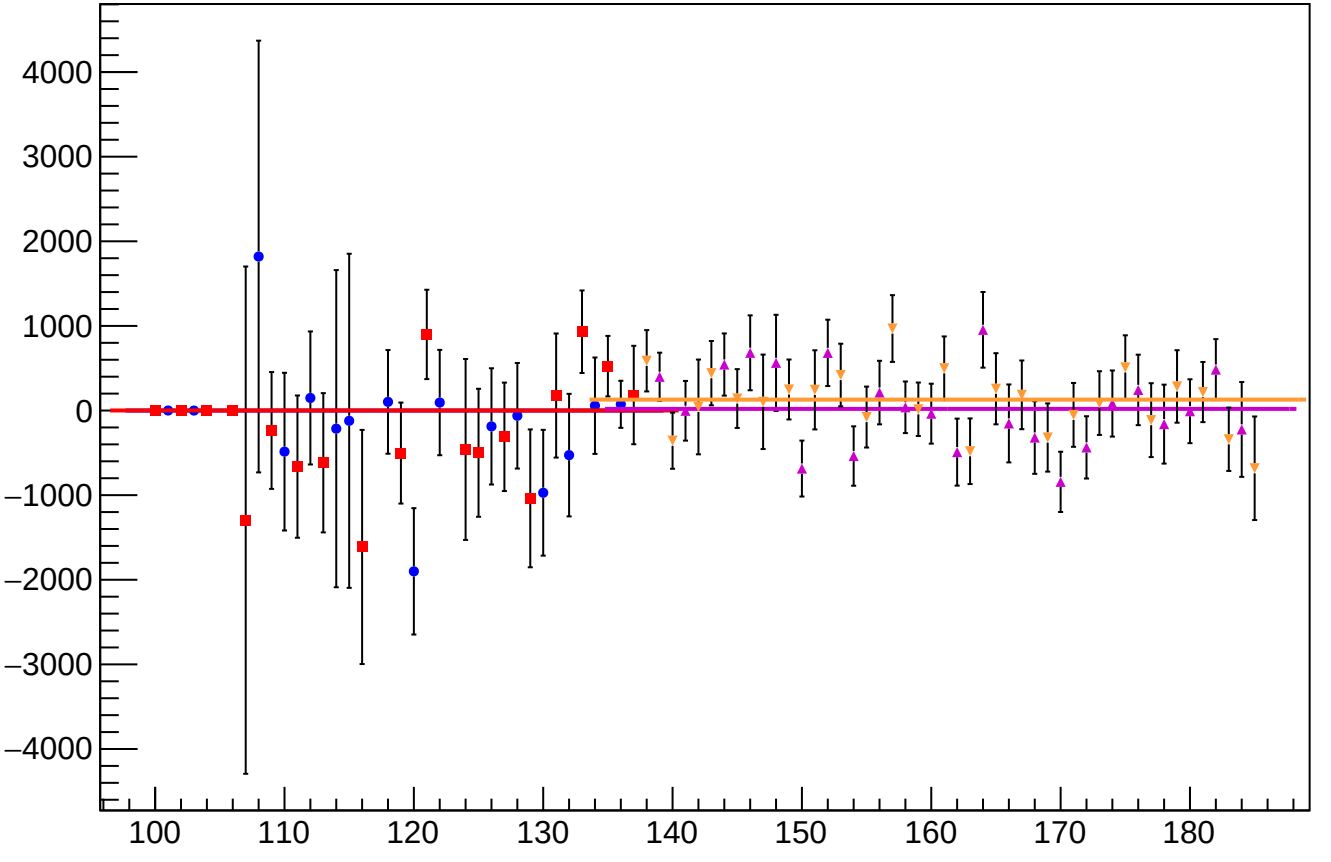
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.585+/-0.251 χ^2/NDF: 46963659.1/39

All: 400.015+/-0.170 χ^2/NDF: 91096408.7/80

- 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: 128.971+/-78.249 χ^2/NDF:20.1/24

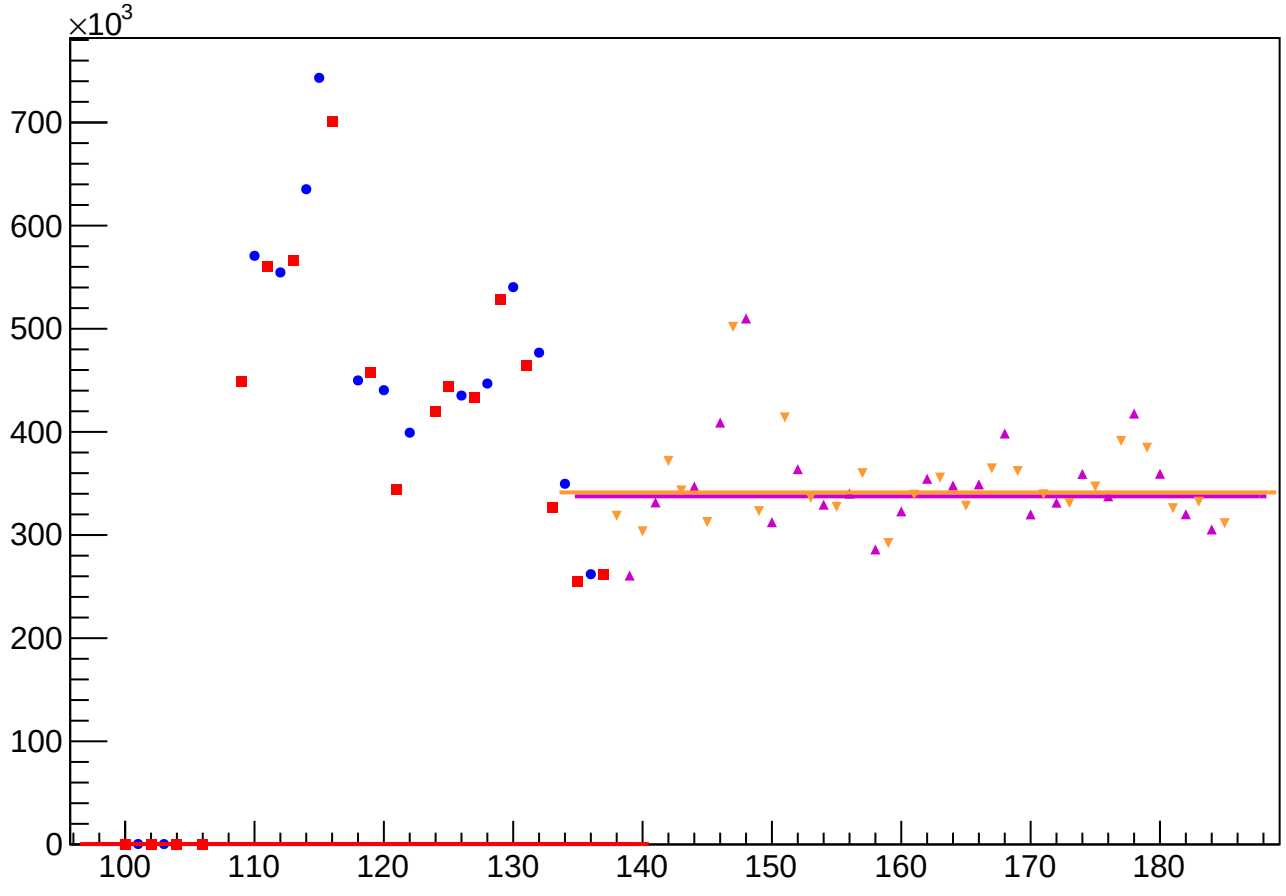
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 33.3/40

All: 0.312+/-0.237 χ^2/NDF: 83.7/82

- sign 0.599+/-0.324 χ^2/NDF: 48.7/41



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

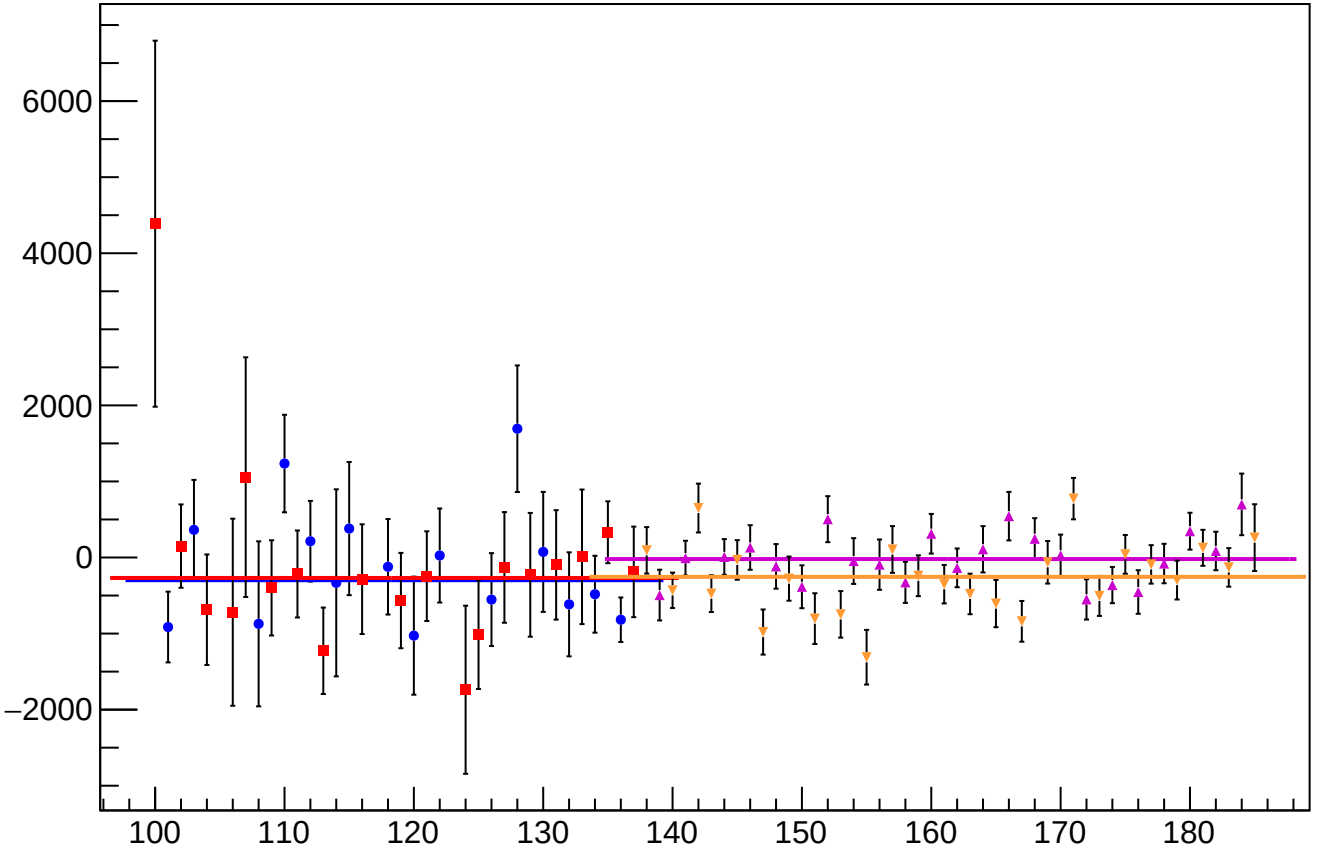
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 396.985+/-0.245 χ^2/NDF: 49503151.2/39

All: 395.142+/-0.167 χ^2/NDF: 96896752.9/80

- 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: -254.371+/-55.417 χ^2/NDF:61.3/24

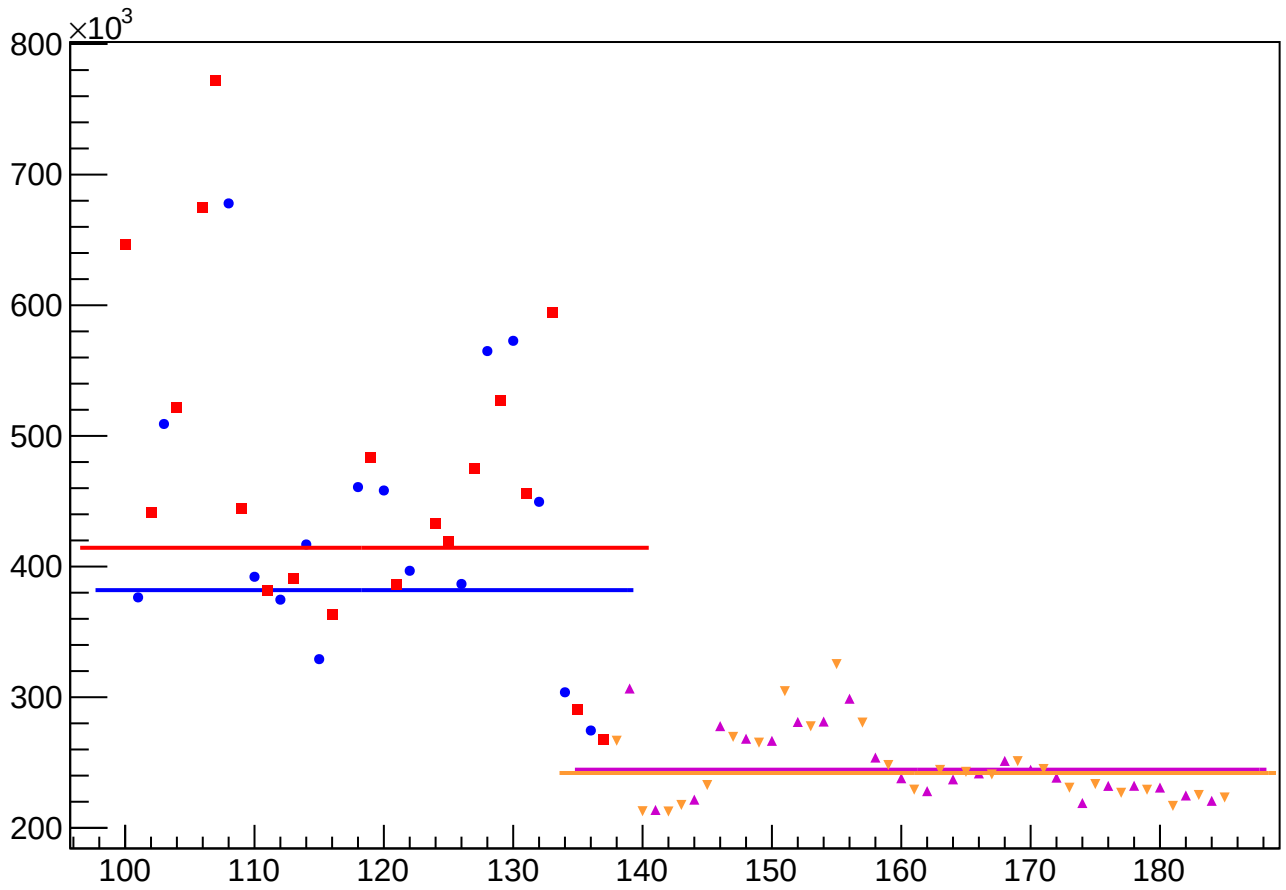
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -259.809+/-51.871 χ^2/NDF: 82.5/40

All: -158.912+/-37.396 χ^2/NDF: 135.1/82

- 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: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

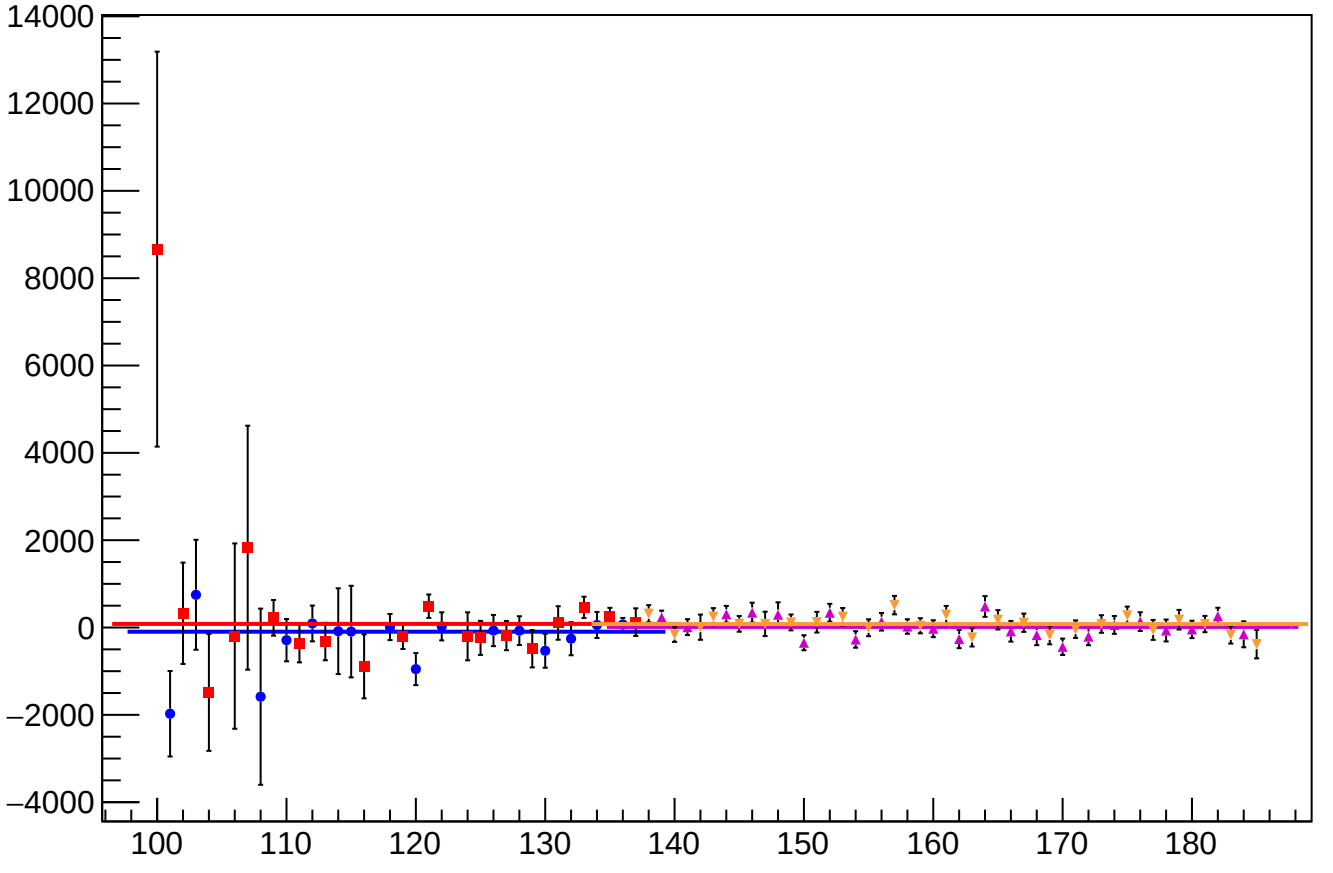
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 259342.393+/-36.679 χ^2/NDF: 2829486.8/40

All: 261917.561+/-26.444 χ^2/NDF: 6033879.

- 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: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

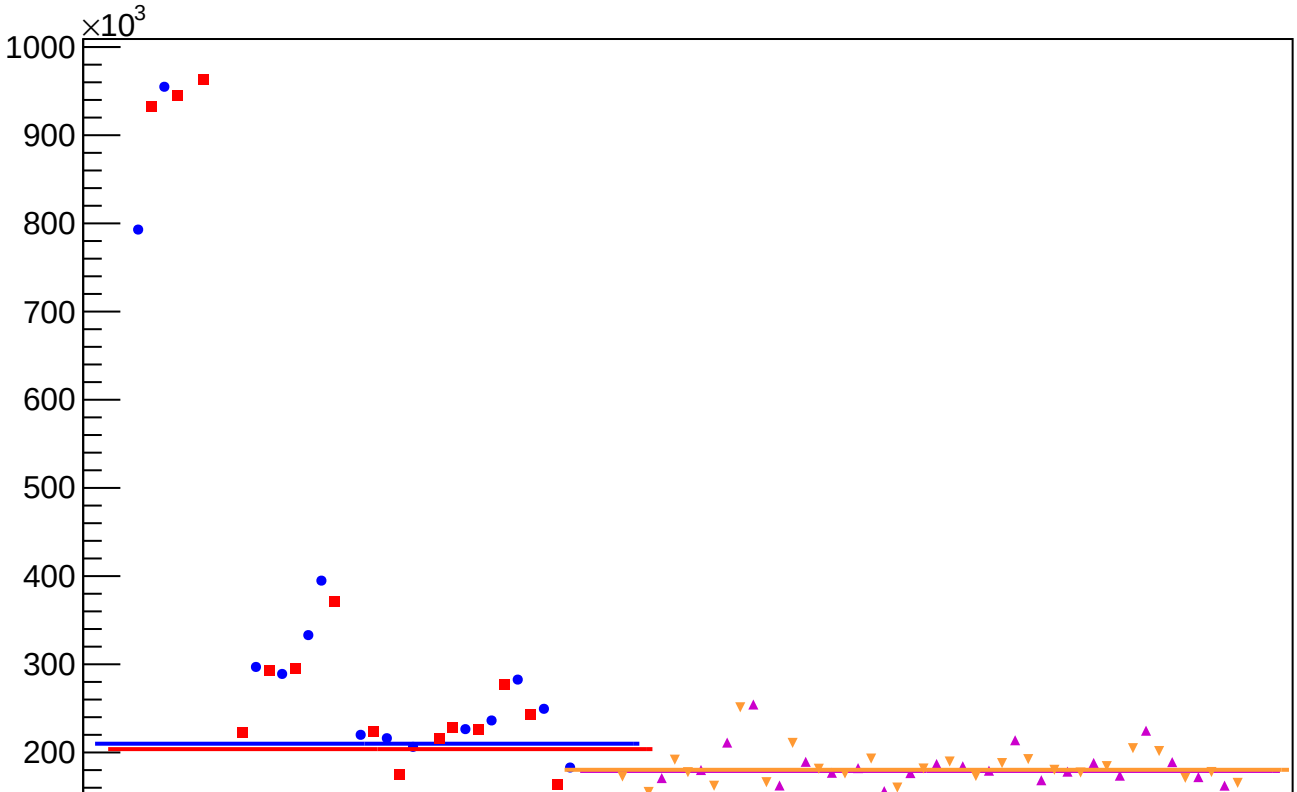
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 48.001+/-37.408 χ^2/NDF: 36.7/40

All: 37.700+/-26.665 χ^2/NDF: 89.6/82

- 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: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

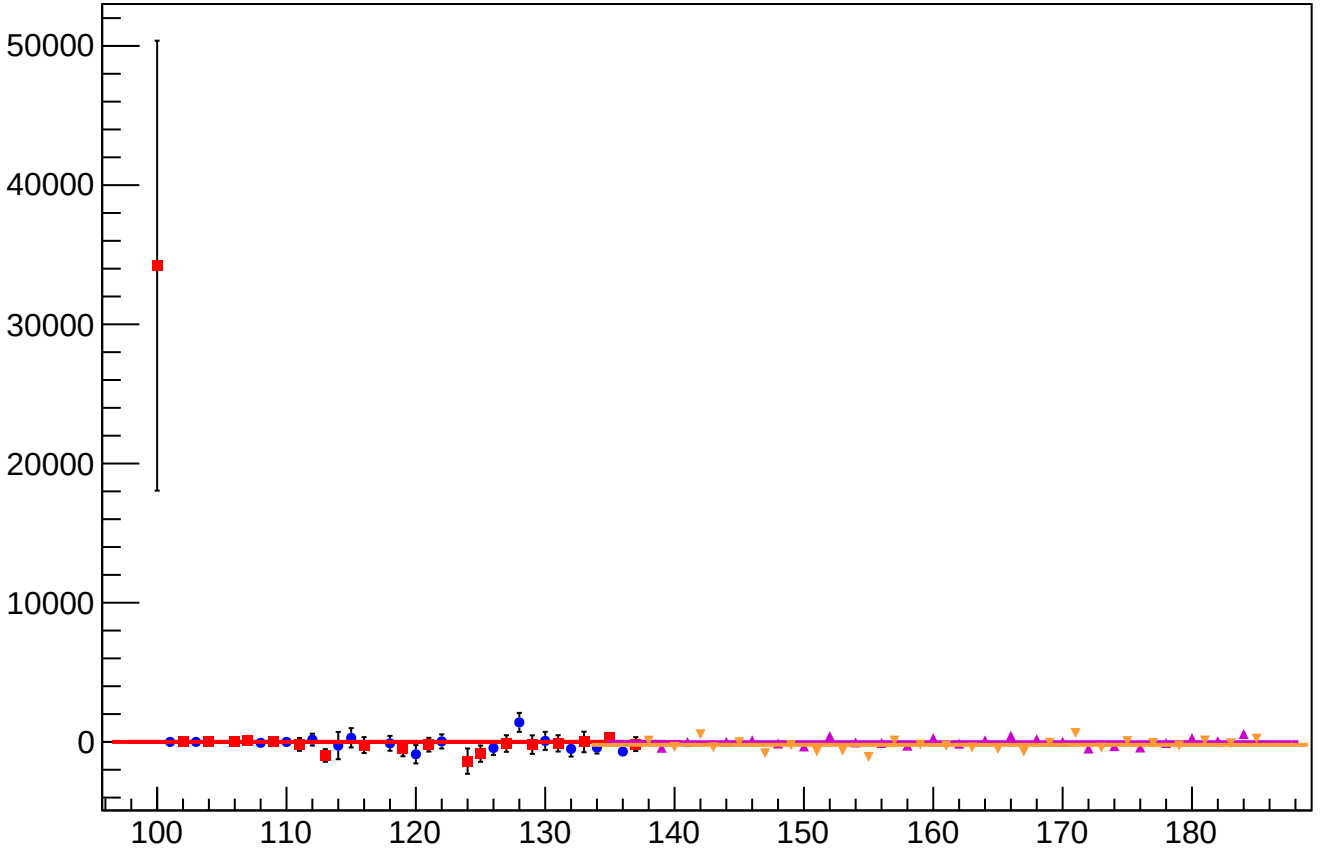
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 185641.805+/-26.460 χ^2/NDF: 2490315.4/39

All: 184687.517+/-18.862 χ^2/NDF: 5194744.

- 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: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

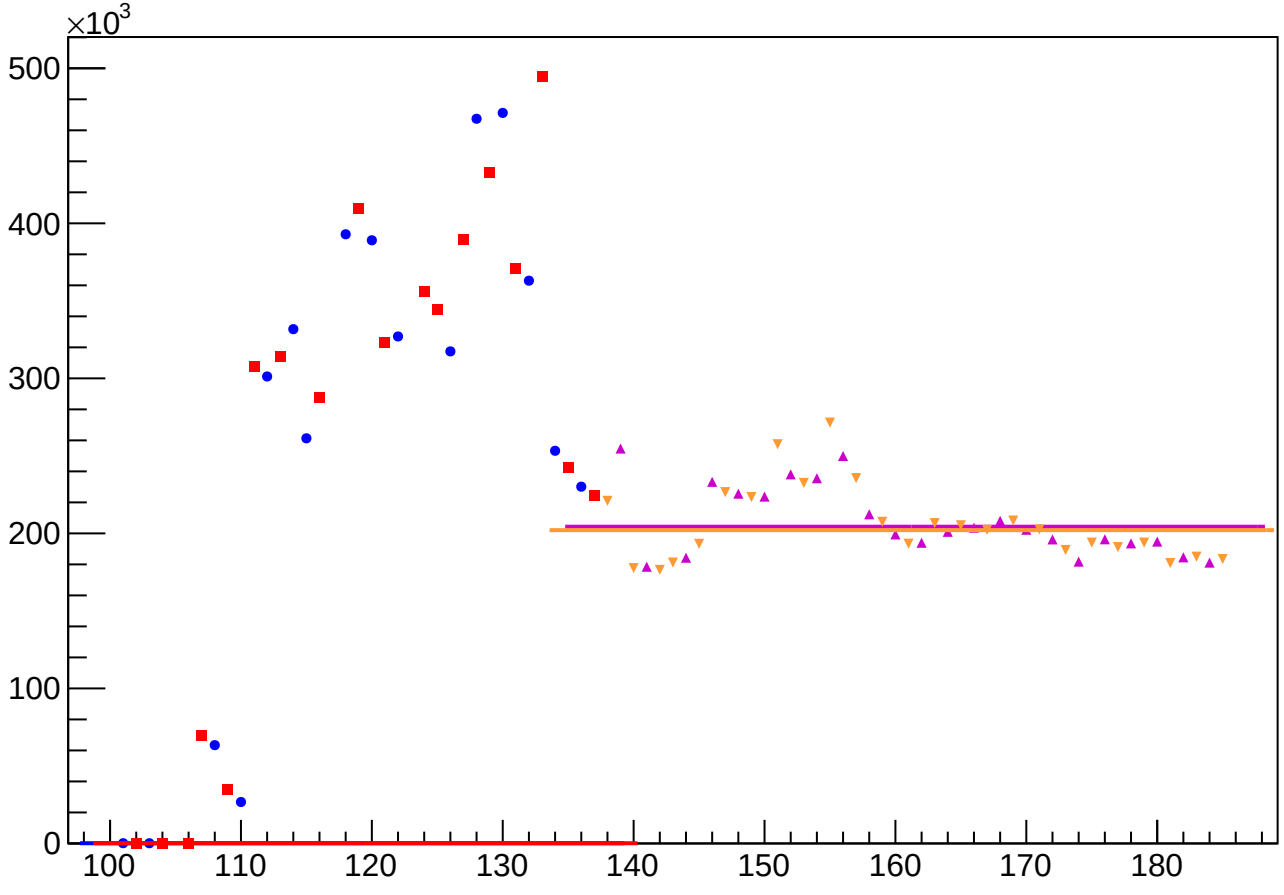
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 99.9/40

All: -0.208+/-0.117 χ^2/NDF: 147.0/82

- 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: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

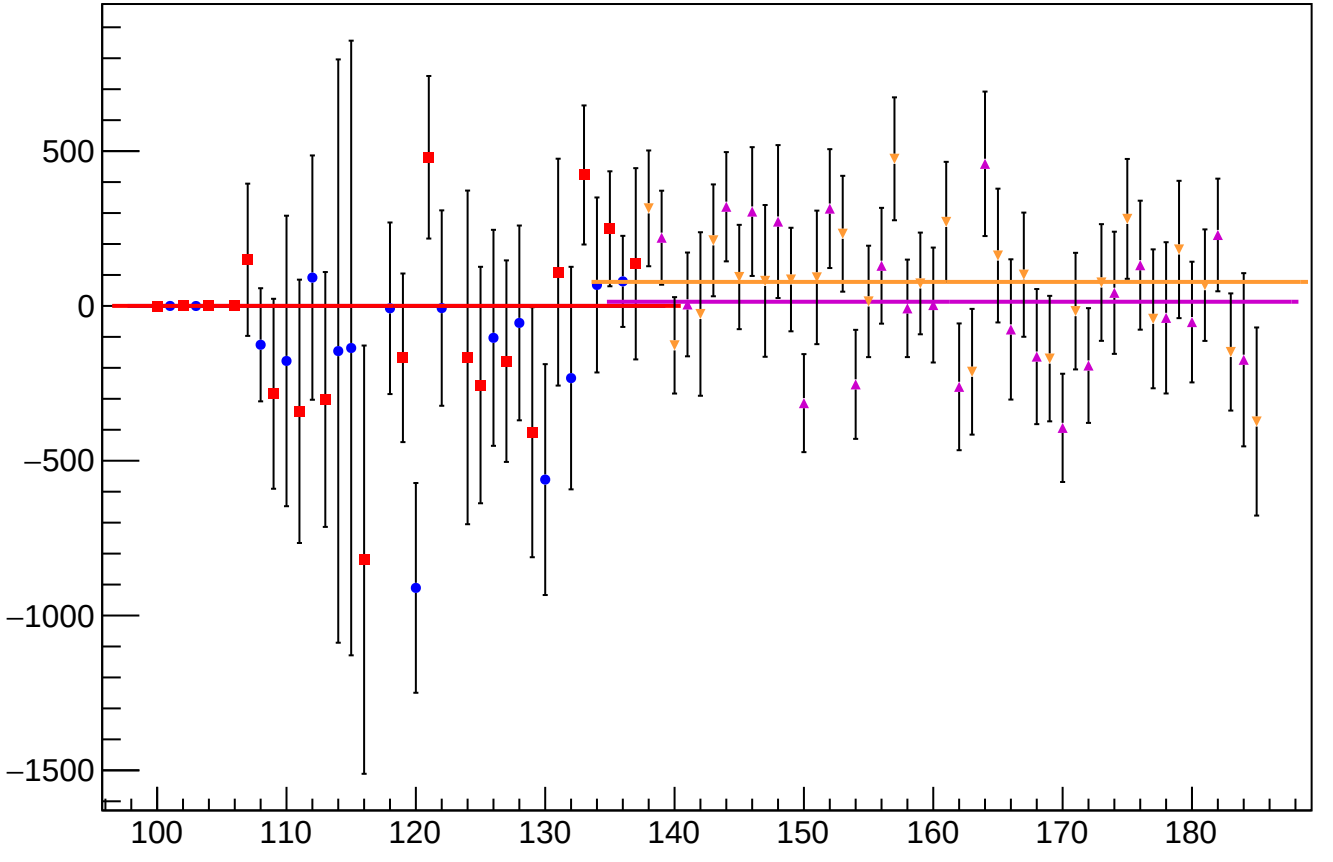
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 151.889+/-0.122 χ^2/NDF: 49797814.5/40

All: 151.759+/-0.083 χ^2/NDF: 97589309.6/81

- 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: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

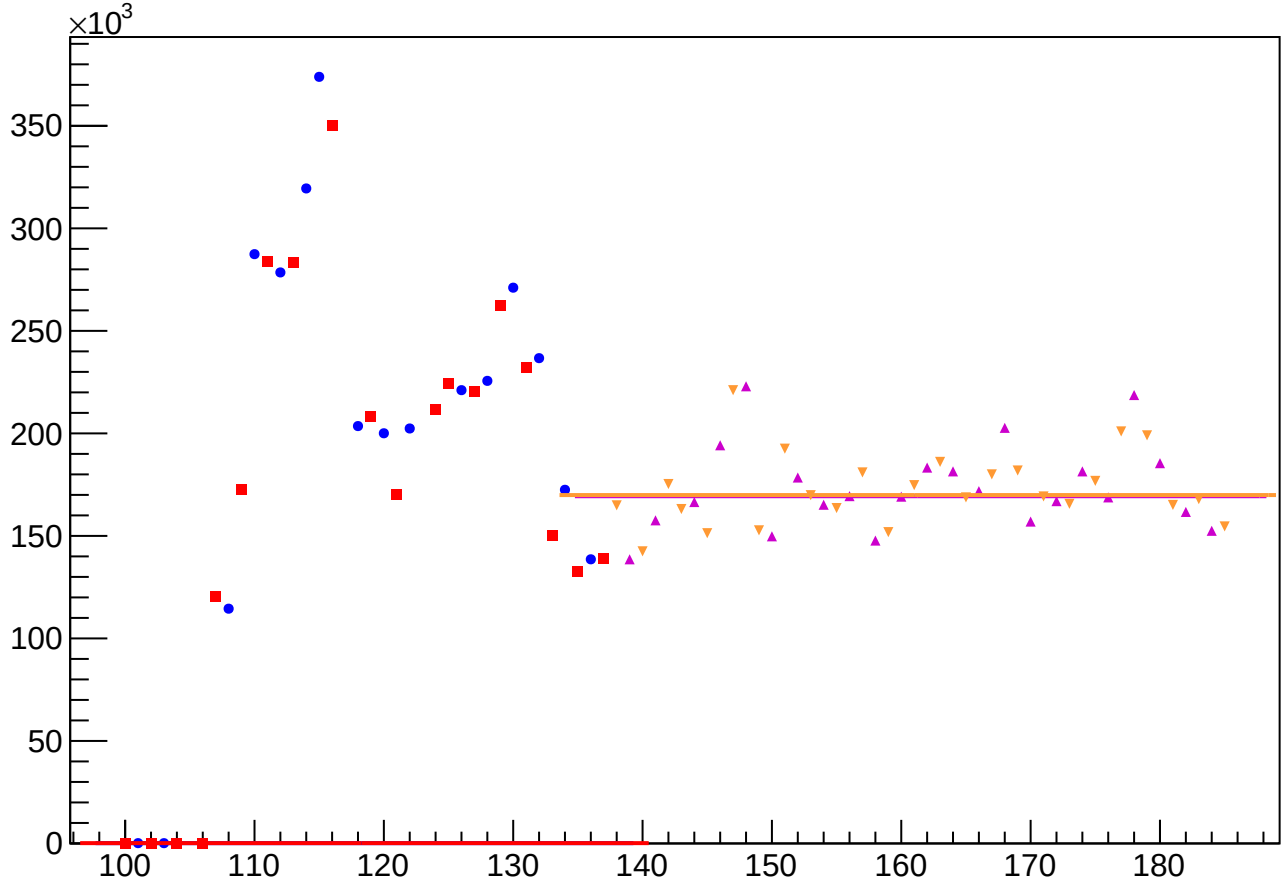
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 34.3/40

All: 0.036+/-0.121 χ^2/NDF: 82.9/82

- 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: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

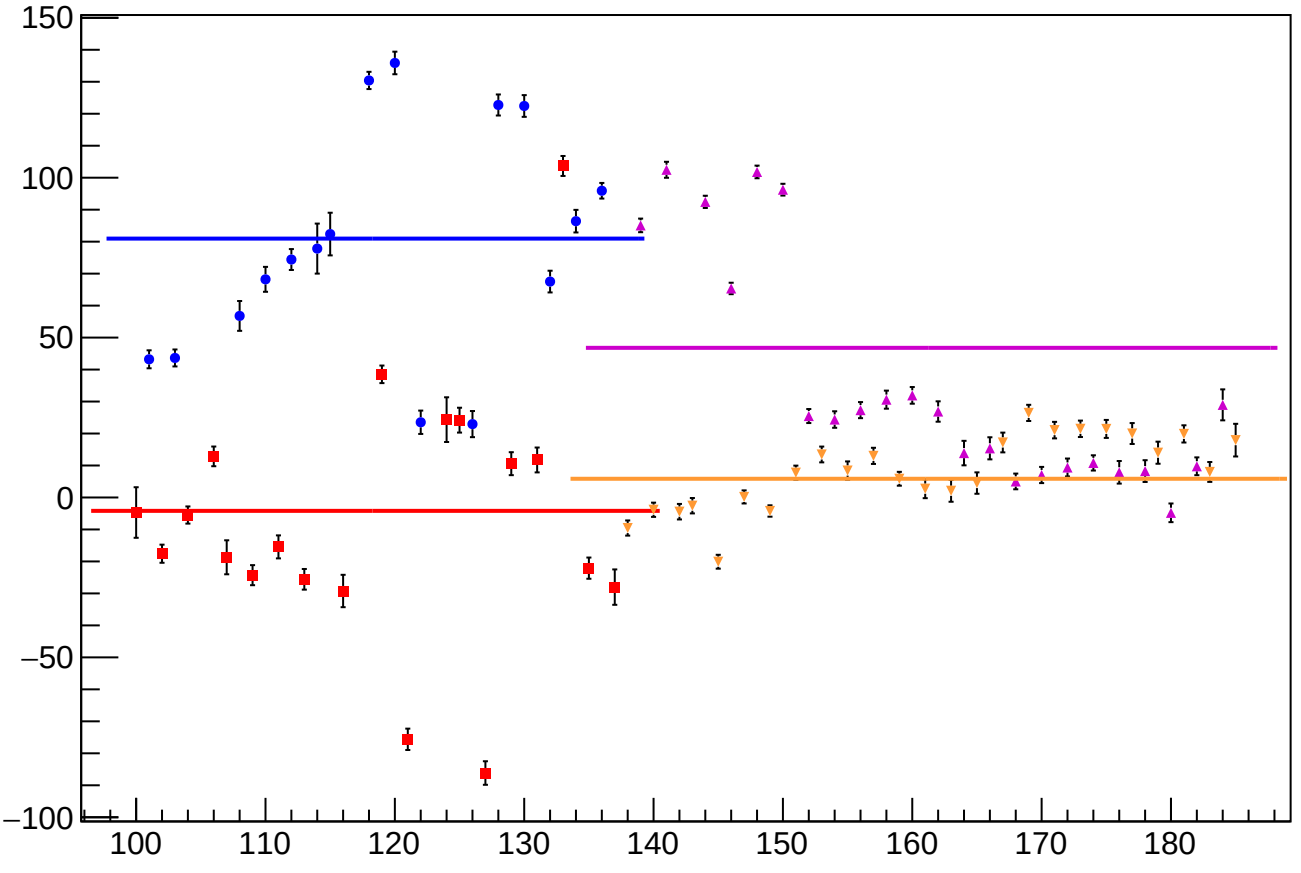
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 156.980+/-0.125 χ^2/NDF: 50317043.5/40

All: 158.106+/-0.086 χ^2/NDF: 98033095.1/82

- 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: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

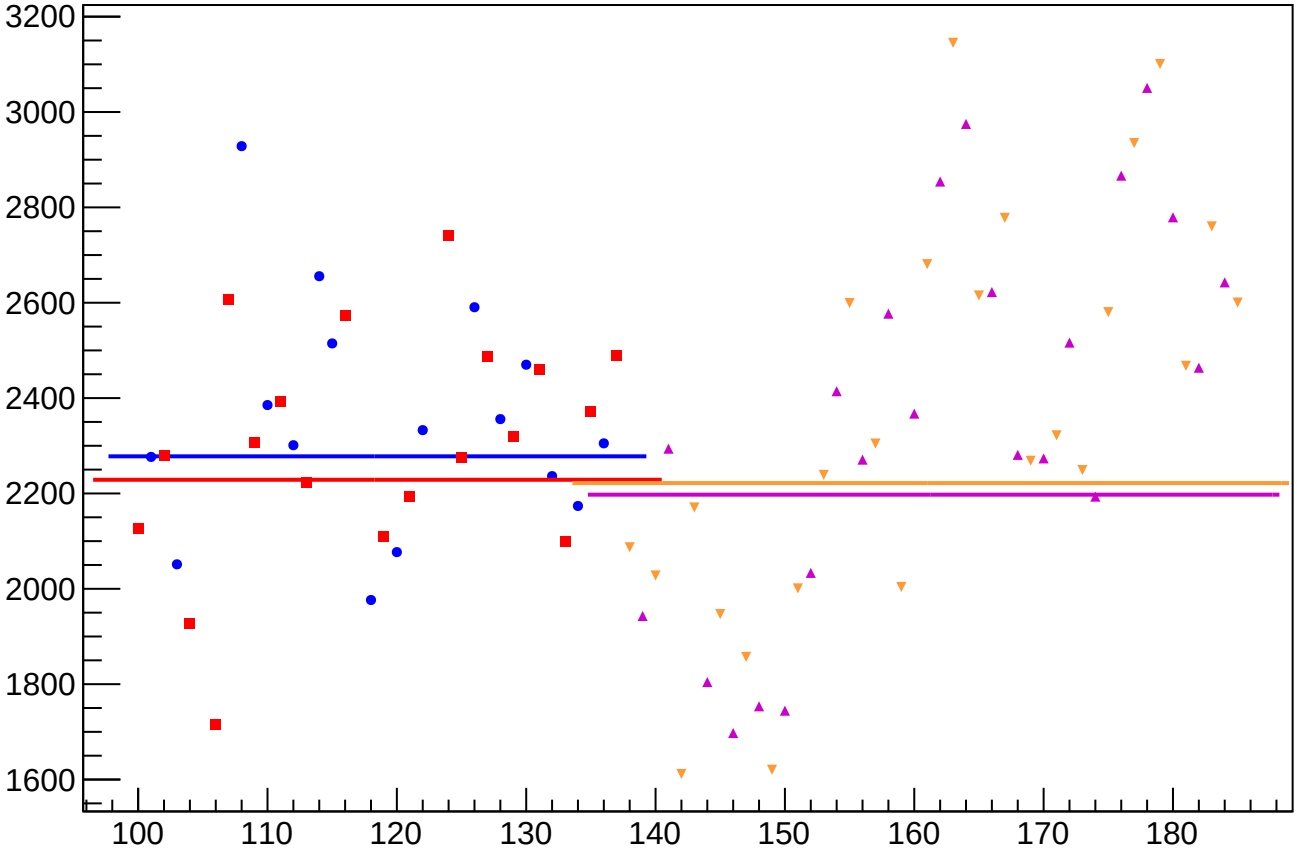
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 25.910+/-0.440 χ^2/NDF: 8051.5/40

All: 28.941+/-0.312 χ^2/NDF: 18784.4/82

\- 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: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

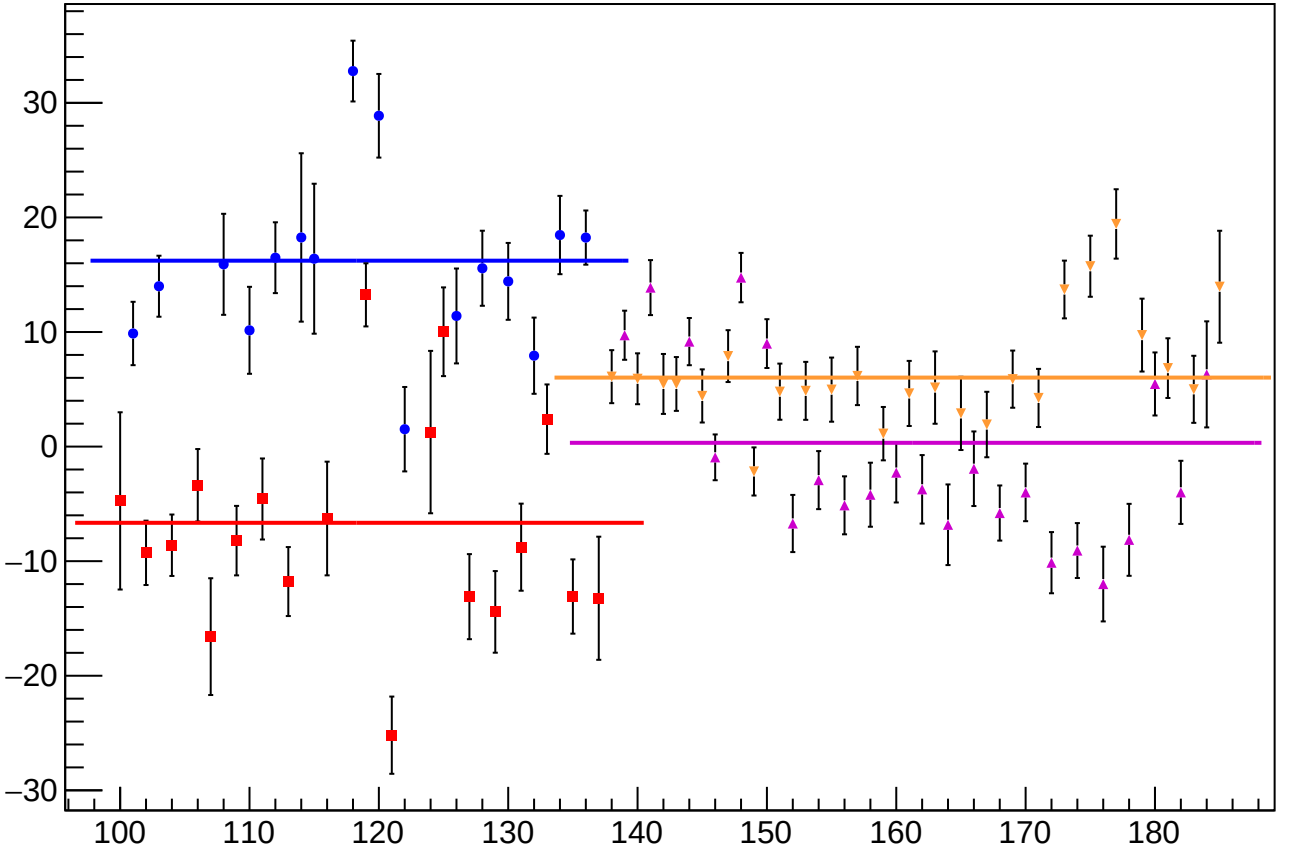
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2236.753+/-0.311 χ^2/NDF: 1306177.2/40

All: 2221.705+/-0.220 χ^2/NDF: 2568729.9/82

- 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: 6.022+/-0.521 χ^2/NDF:71.8/24

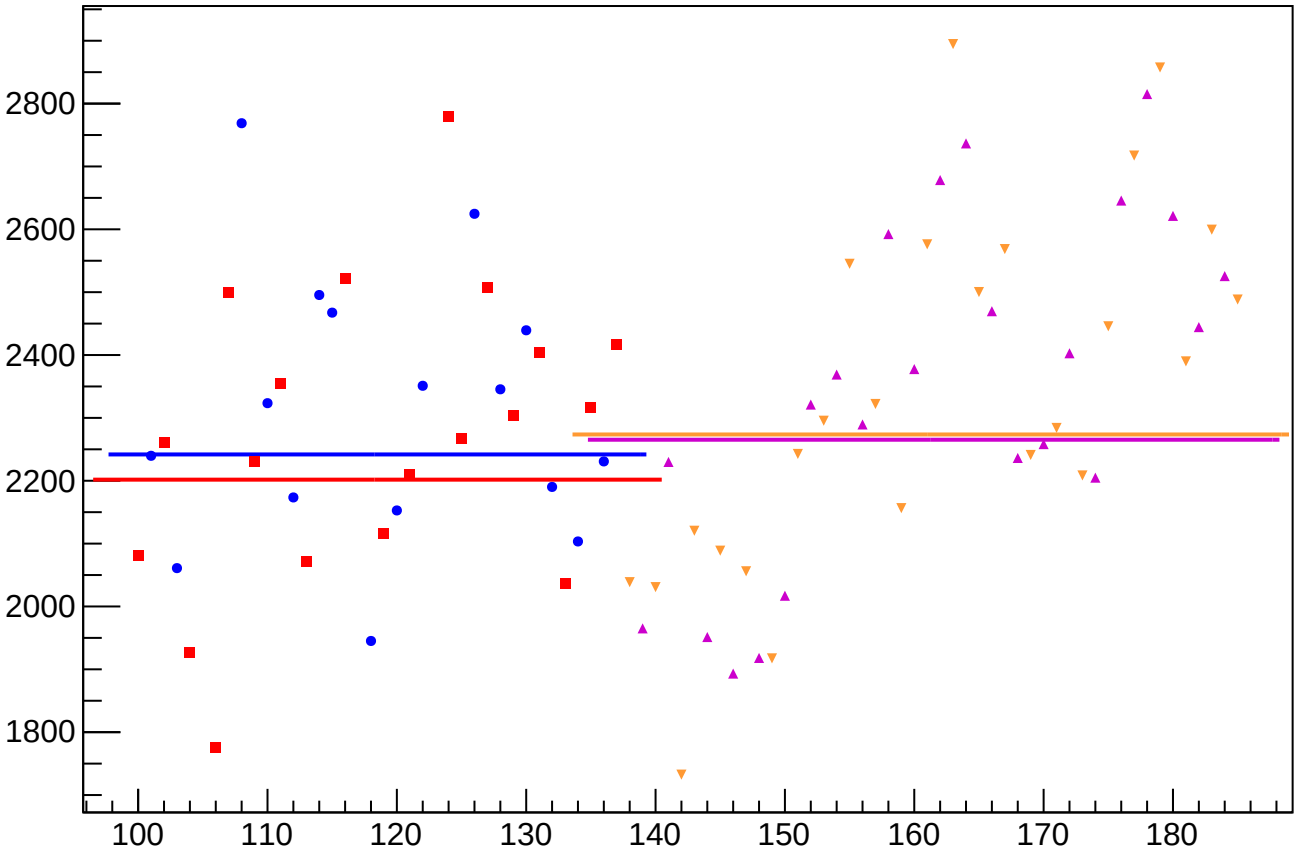
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.867+/-0.442 χ^2/NDF: 263.3/40

All: 3.583+/-0.314 χ^2/NDF: 962.5/82

- 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: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

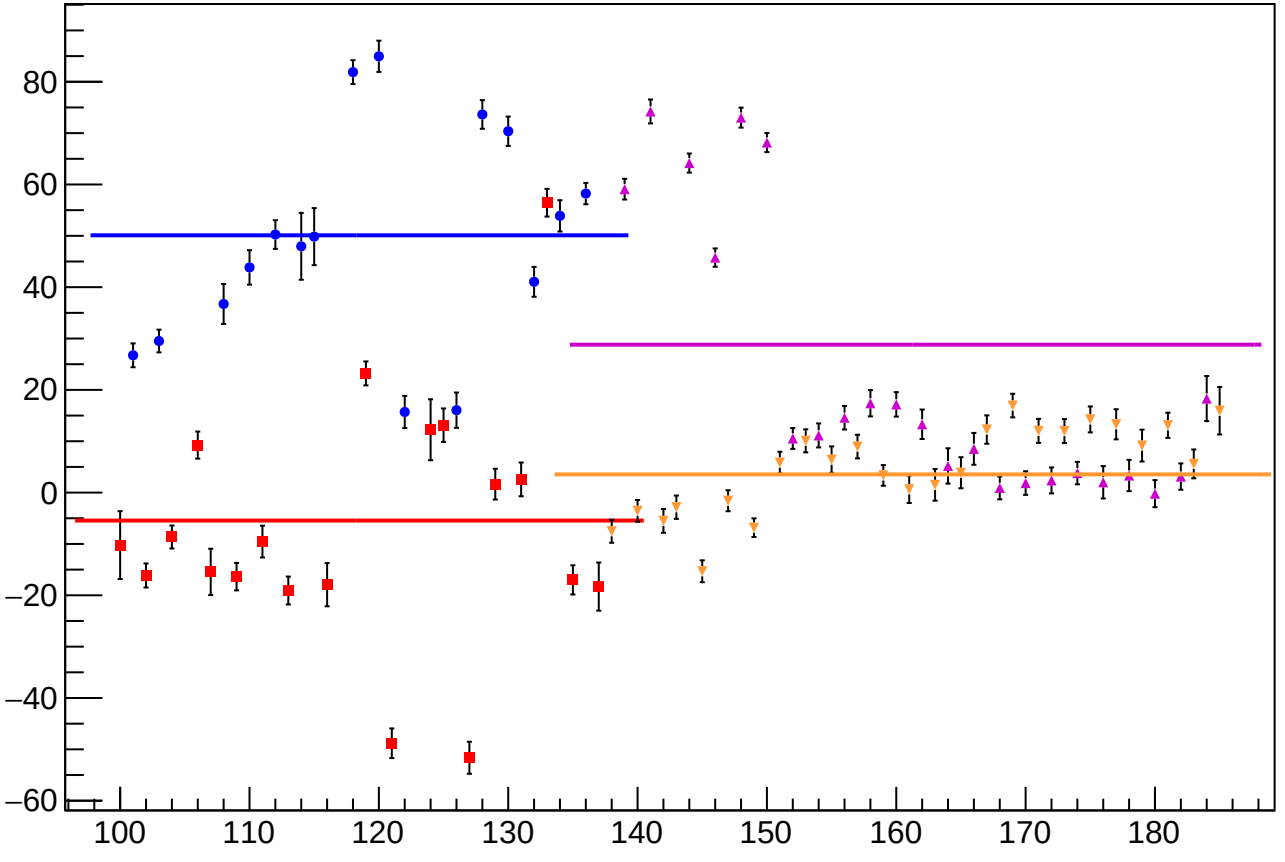
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2264.757+/-0.313 χ^2/NDF: 641173.0/40

All: 2255.439+/-0.222 χ^2/NDF: 1277240.0/82

- sign 2245.962+/-0.315 χ^2/NDF: 634276.5/41

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

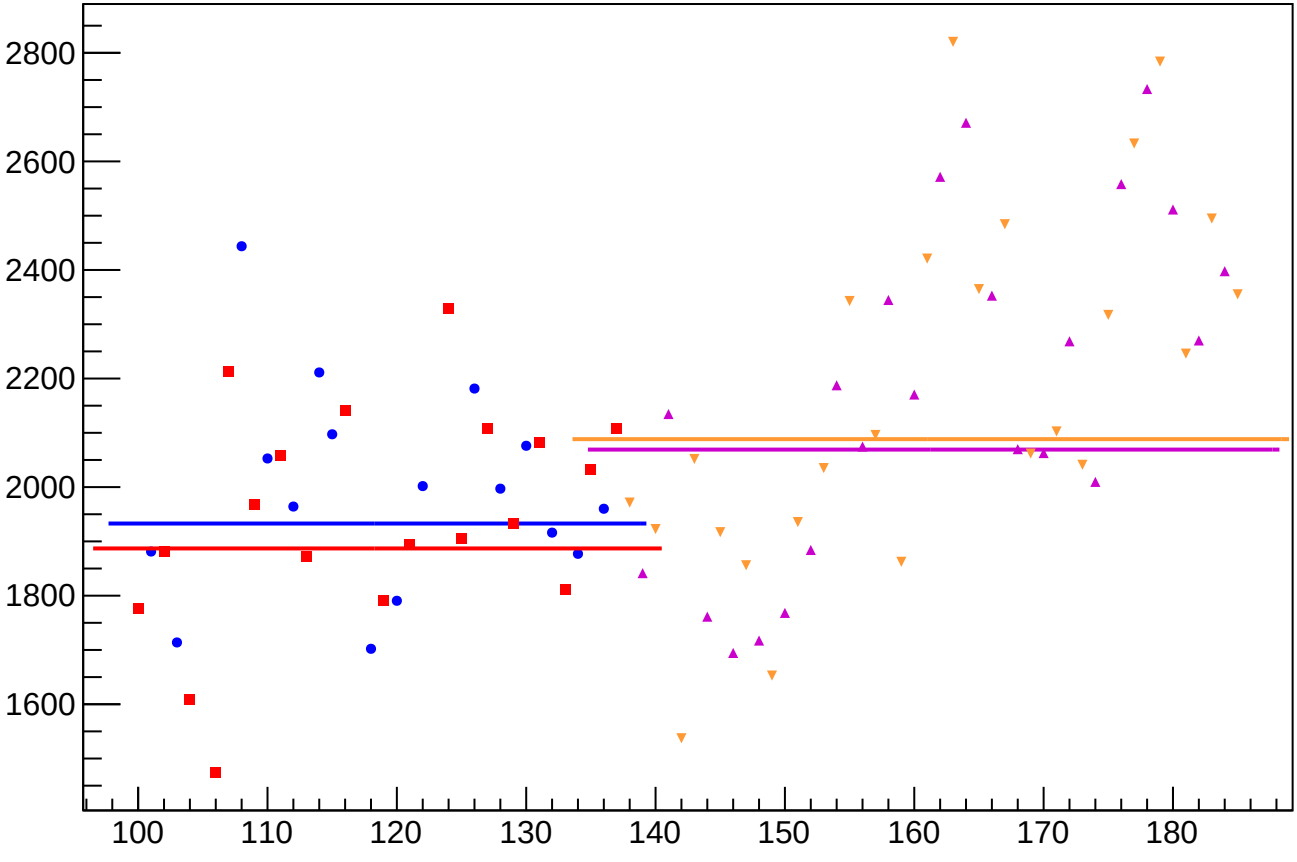
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 17.823+/-0.400 χ^2/NDF: 4090.4/40

All: 17.607+/-0.283 χ^2/NDF: 10287.5/82

\- 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: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

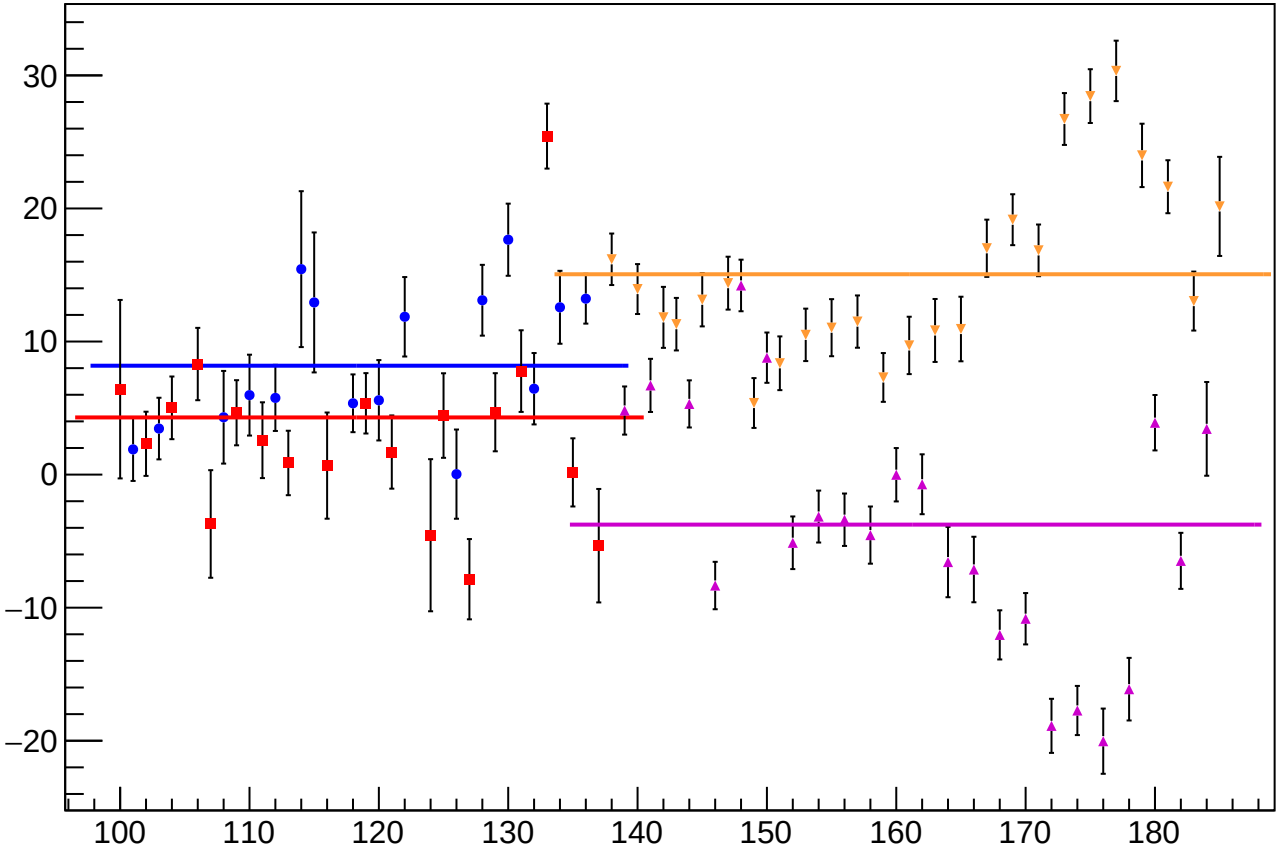
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 2040.680+/-0.283 χ^2/NDF: 957652.8/40

All: 2024.588+/-0.200 χ^2/NDF: 1917139.5/82

- 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: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

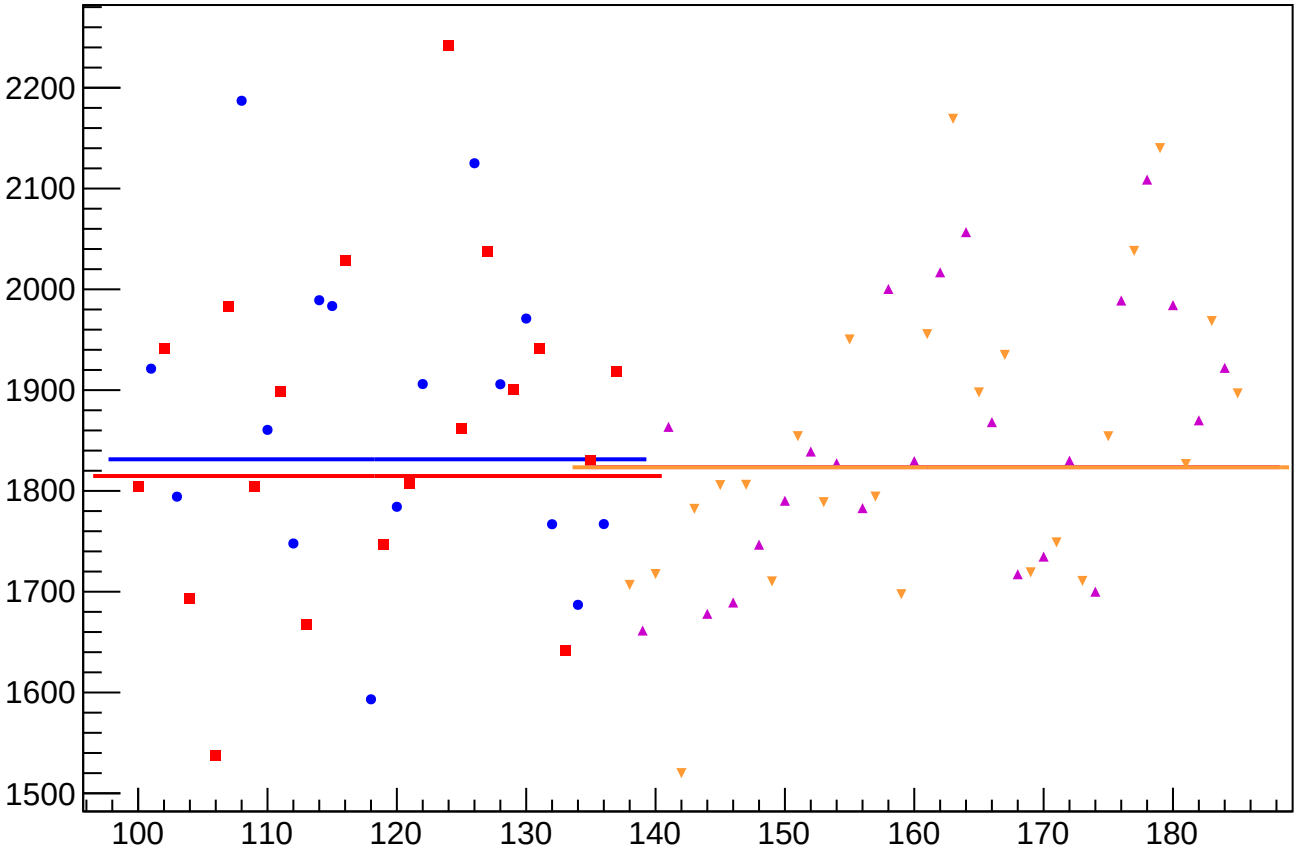
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.201+/-0.355 χ^2/NDF: 372.0/40

All: 5.995+/-0.253 χ^2/NDF: 1882.8/82

- 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: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

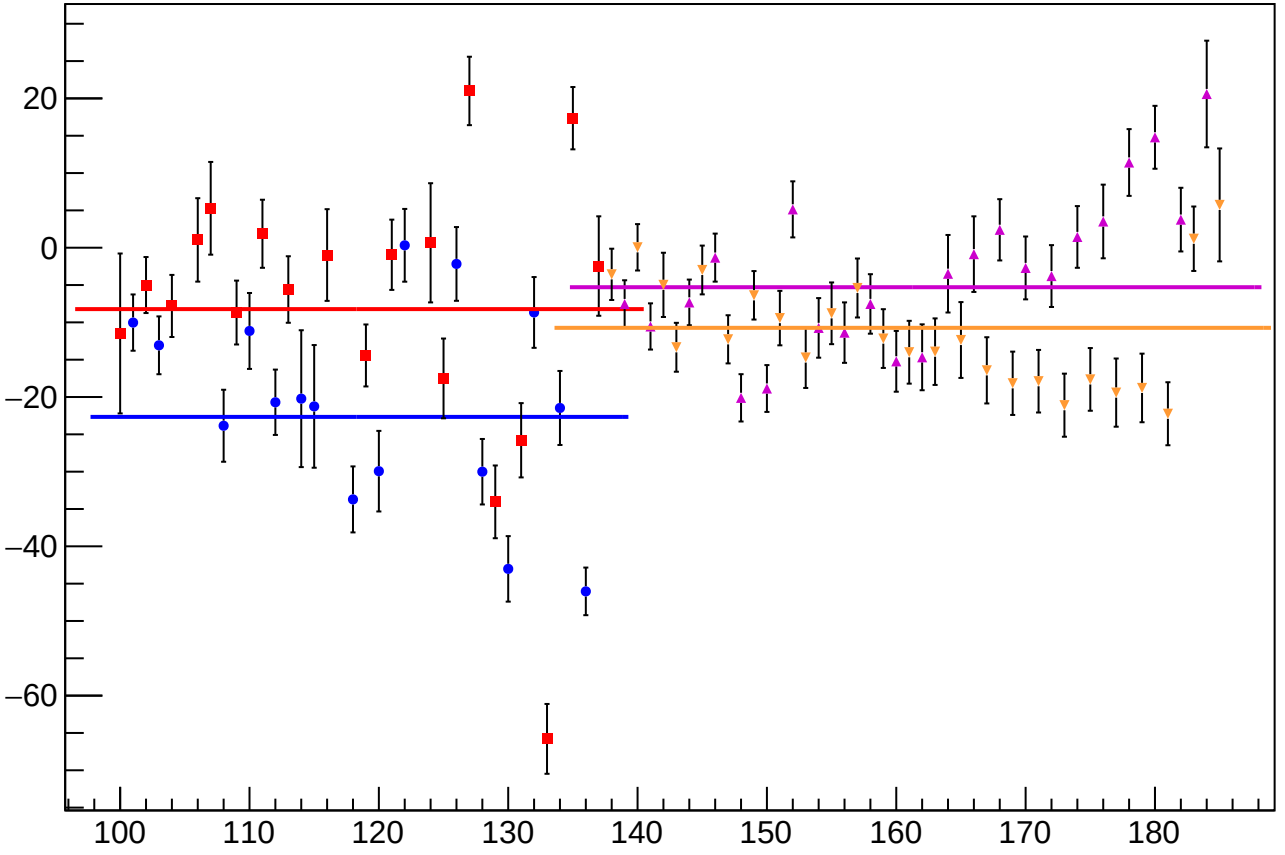
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1825.587+/-0.251 χ^2/NDF: 298388.6/40

All: 1823.342+/-0.179 χ^2/NDF: 553307.8/82

- 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: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

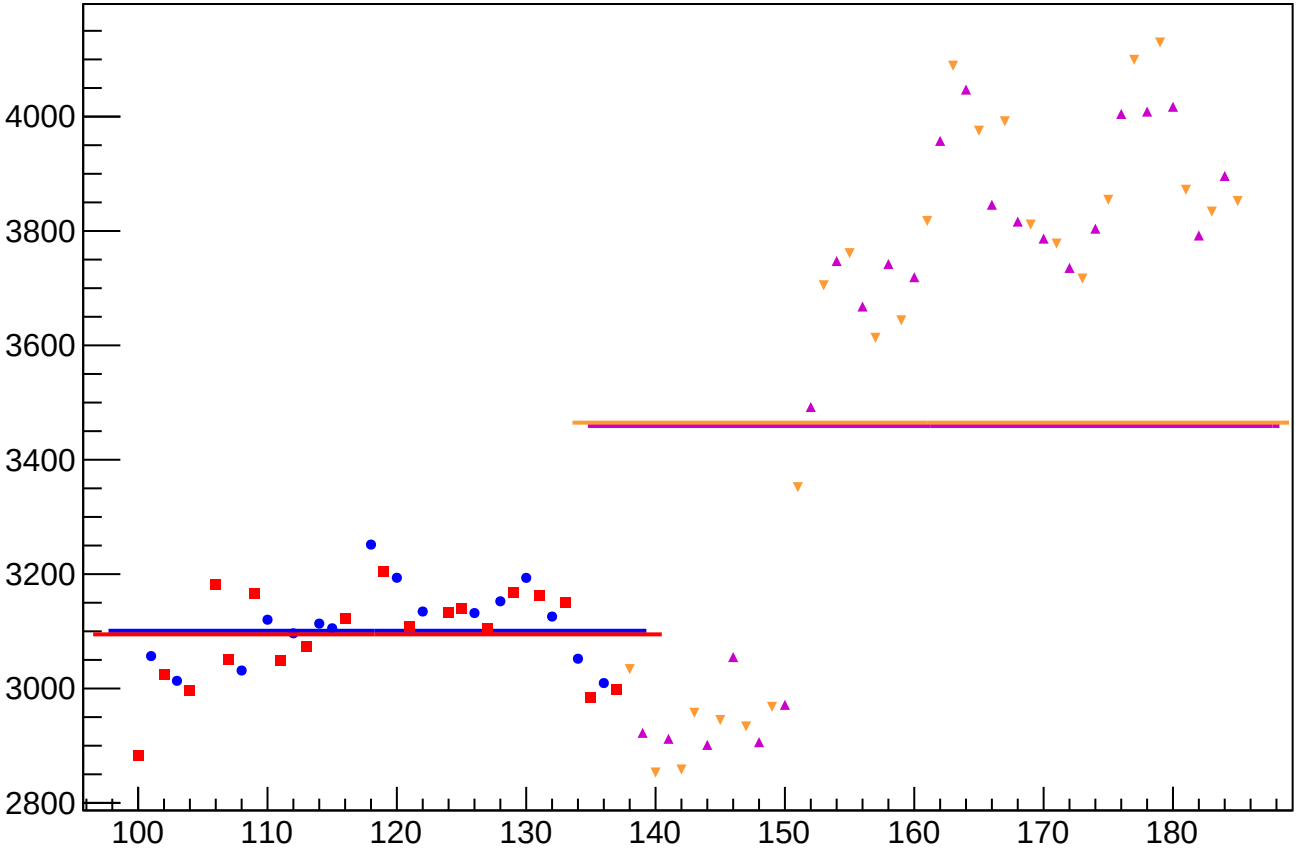
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -14.574+/-0.654 χ^2/NDF: 303.7/40

All: -10.477+/-0.465 χ^2/NDF: 816.0/82

- 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: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

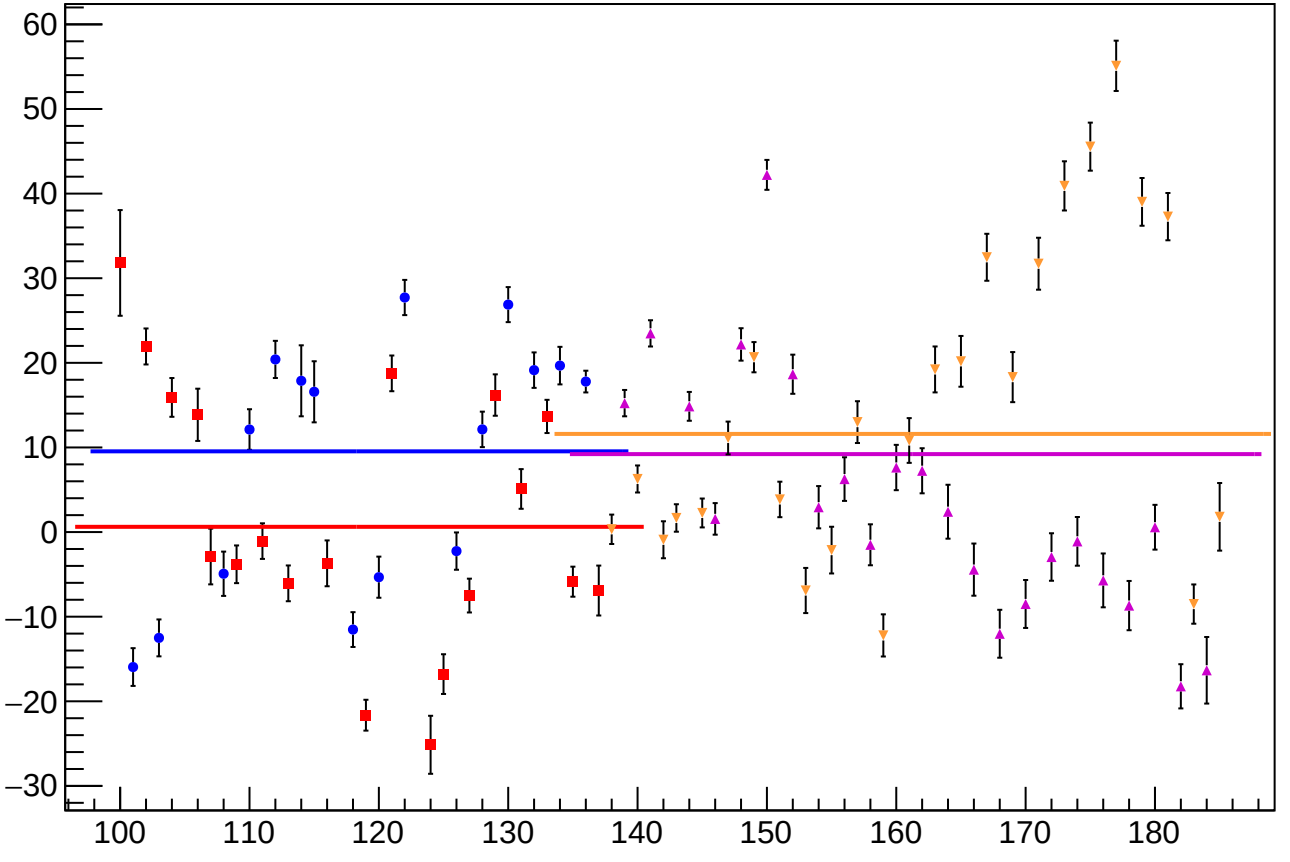
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3347.717+/-0.462 χ^2/NDF: 787292.6/40

All: 3341.095+/-0.328 χ^2/NDF: 1516657.7/82

- 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: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

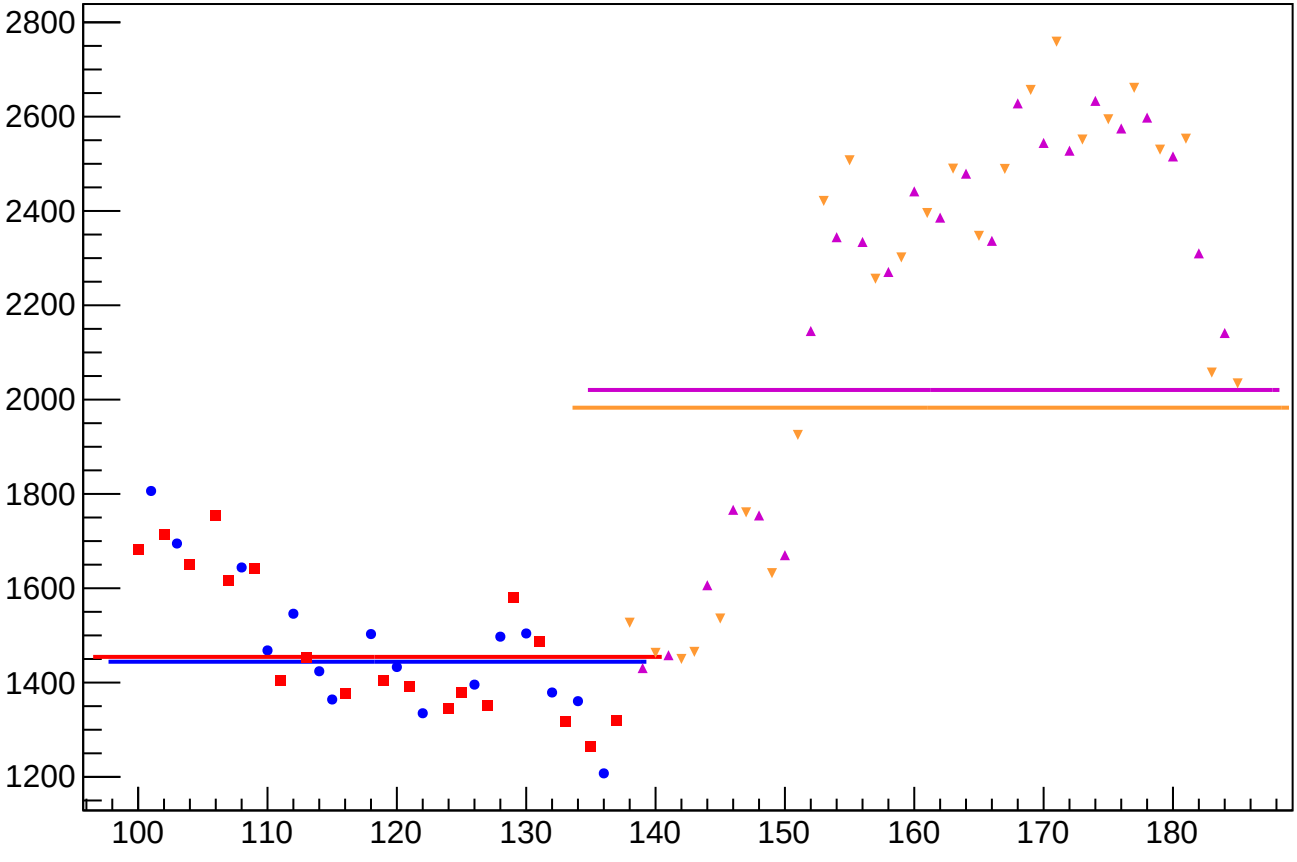
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 10.728+/-0.352 χ^2/NDF: 1904.0/40

All: 8.084+/-0.251 χ^2/NDF: 3767.7/82

\- 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: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

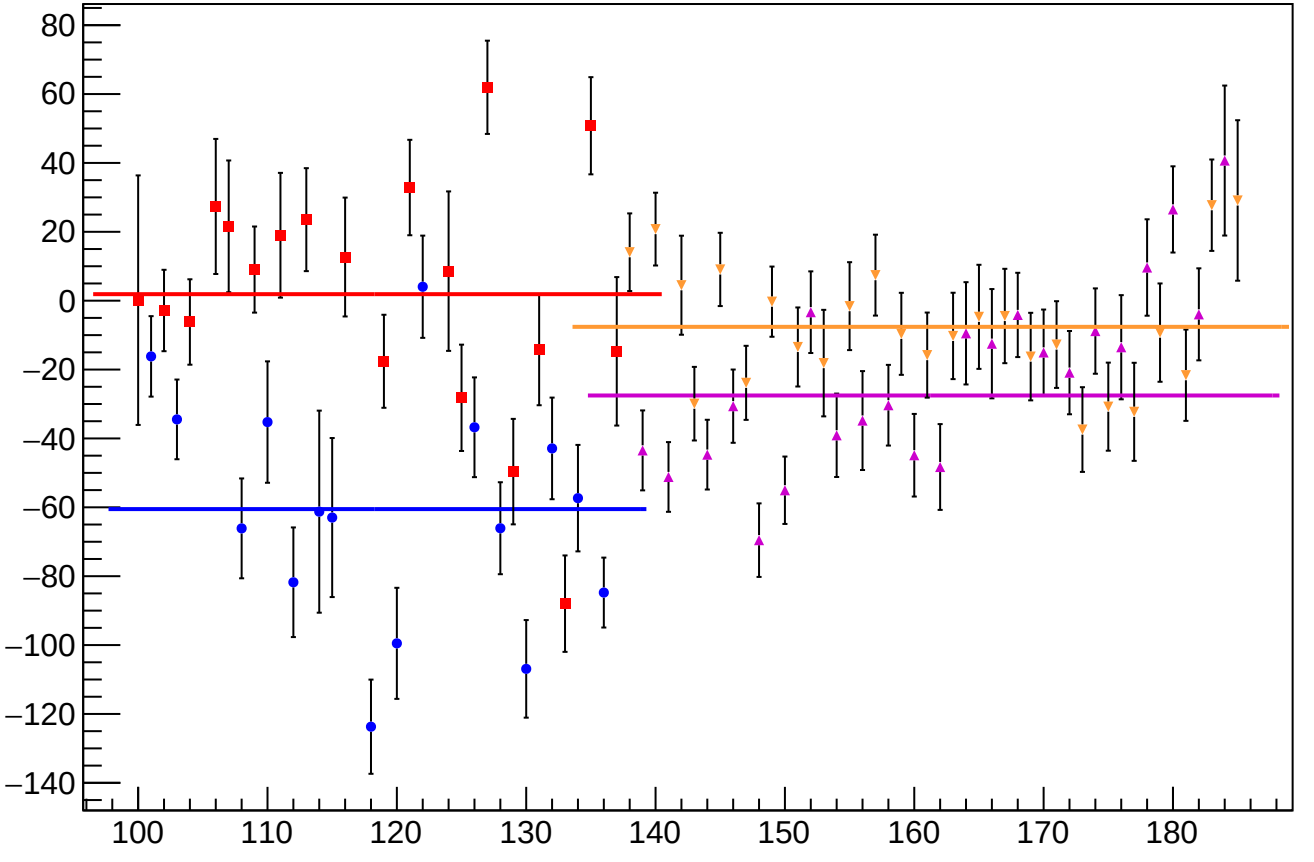
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1755.039+/-0.249 χ^2/NDF: 3300793.0/40

All: 1760.109+/-0.178 χ^2/NDF: 6292787.6/82

- 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: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

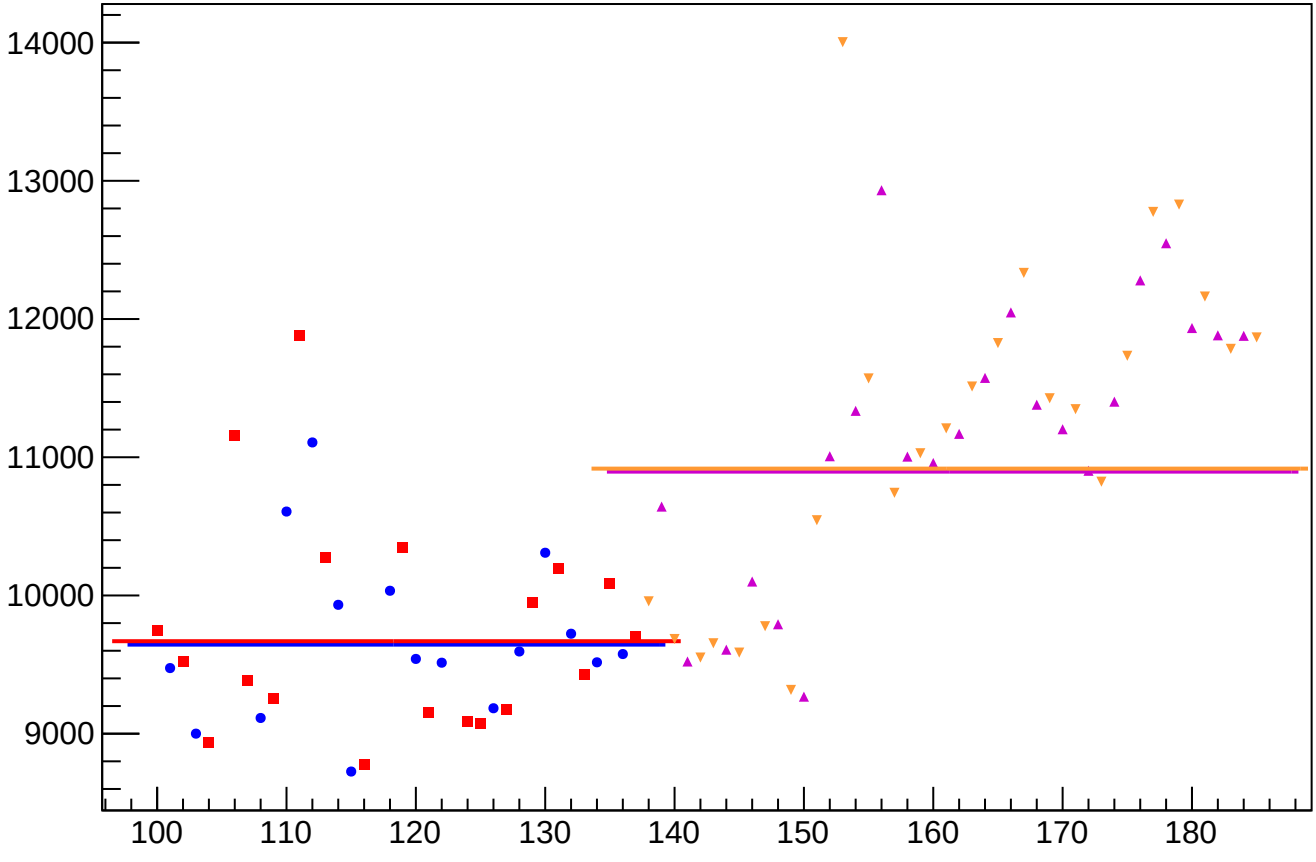
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -24.791+/-2.050 χ^2/NDF: 284.4/40

All: -21.163+/-1.458 χ^2/NDF: 533.0/82

- 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: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

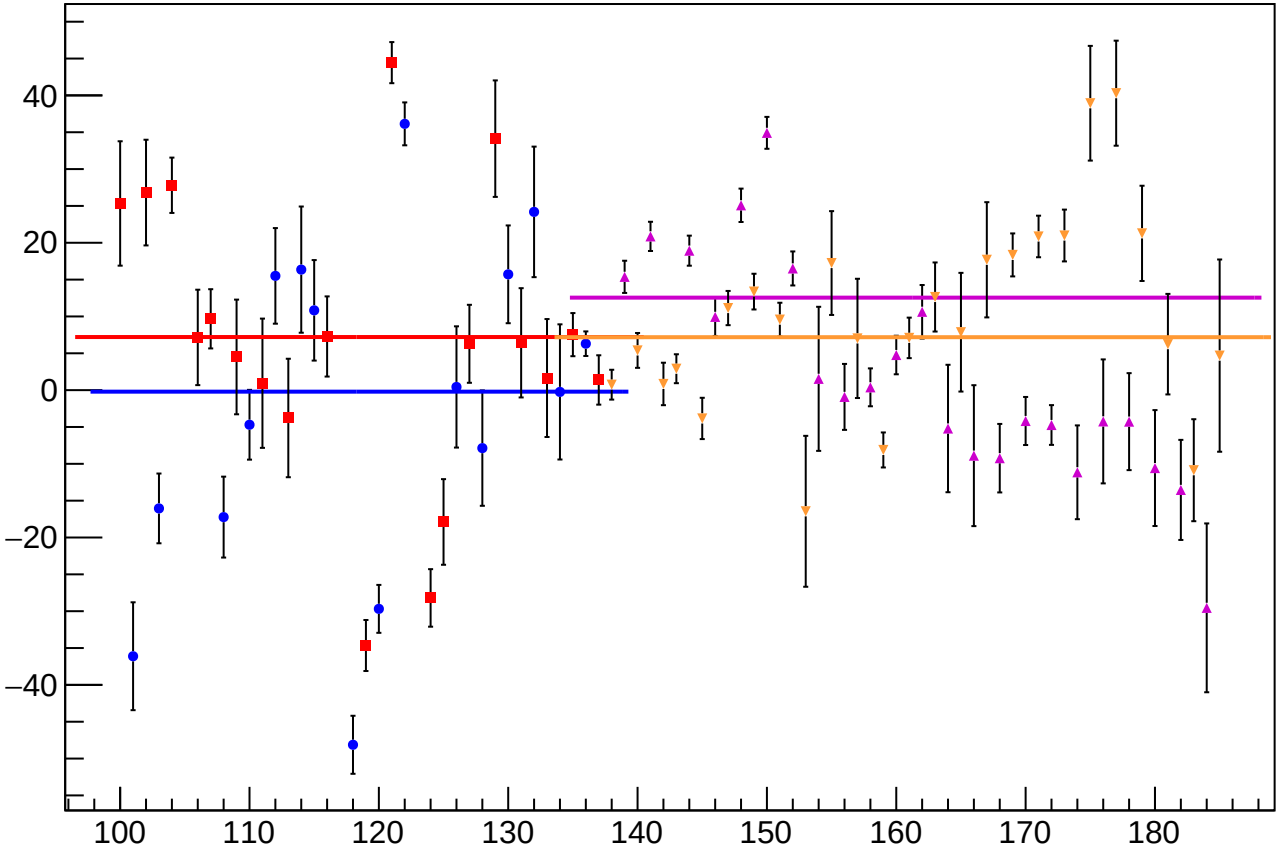
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10503.963+/-1.450 χ^2/NDF: 639199.2/40

All: 10490.094+/-1.031 χ^2/NDF: 1175037.1/8

- 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: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

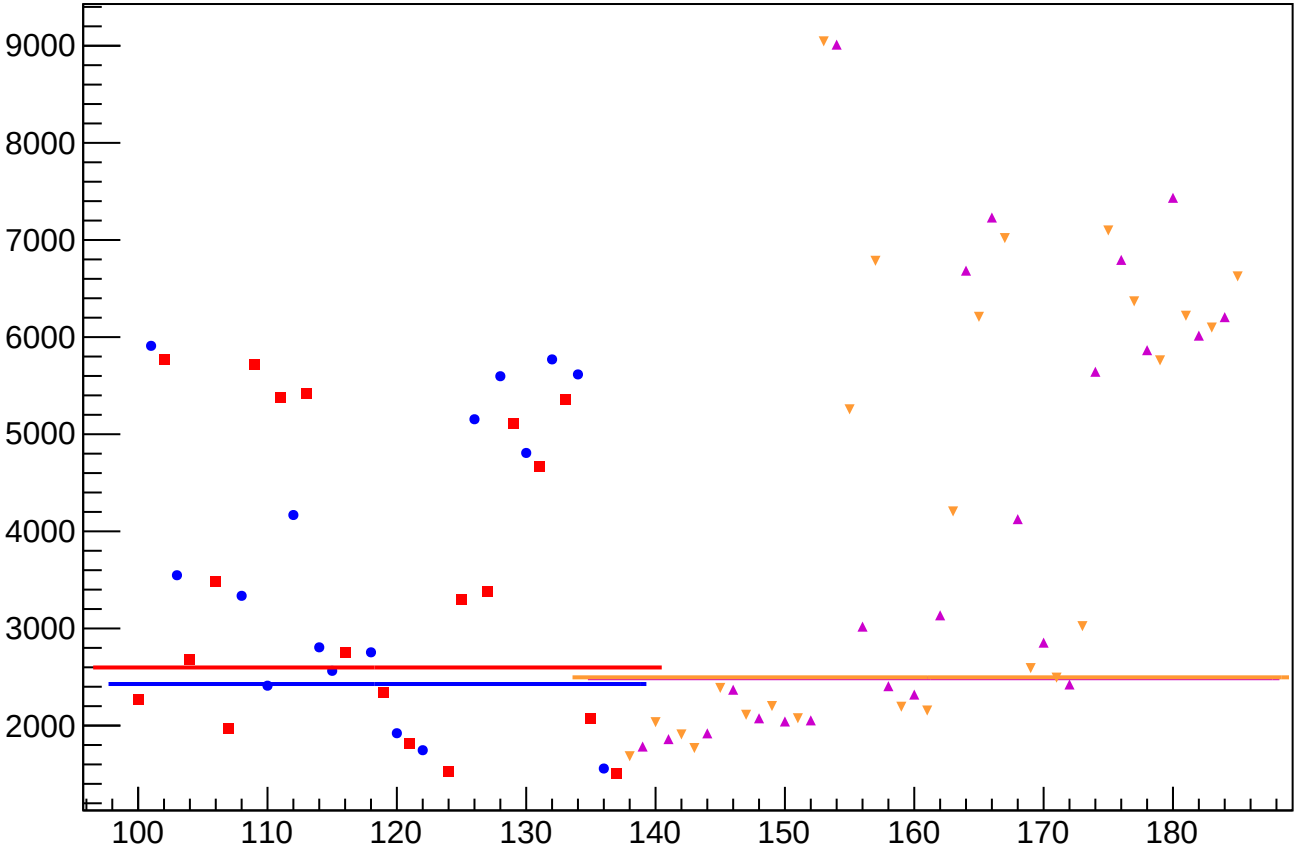
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 5.108+/-0.554 χ^2/NDF: 711.4/40

All: 8.051+/-0.395 χ^2/NDF: 1644.4/82

- sign 11.085+/-0.563 χ^2/NDF: 875.7/41

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

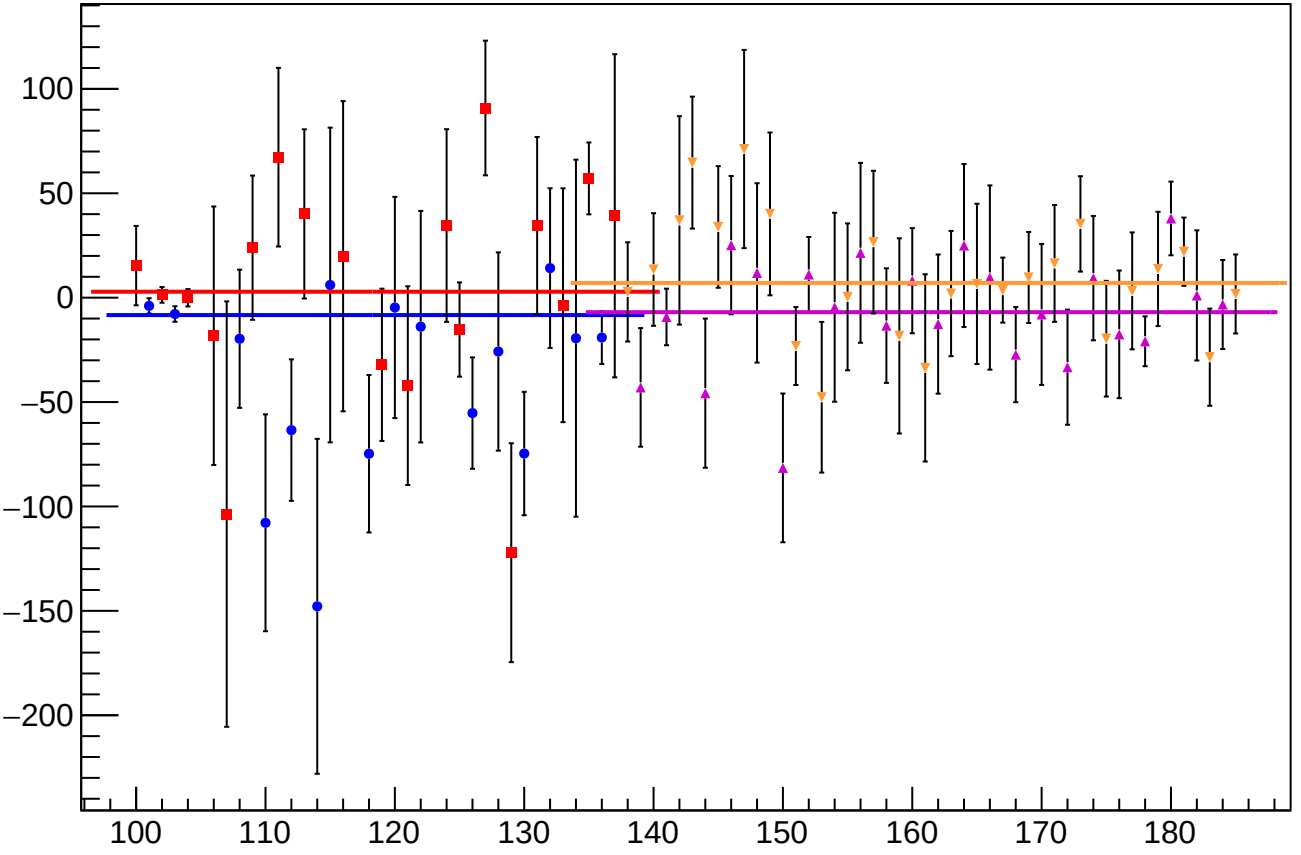
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2477.485+/-0.392 χ^2/NDF: 10027377.0/40

All: 2497.483+/-0.279 χ^2/NDF: 18666460.1/8

- 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: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

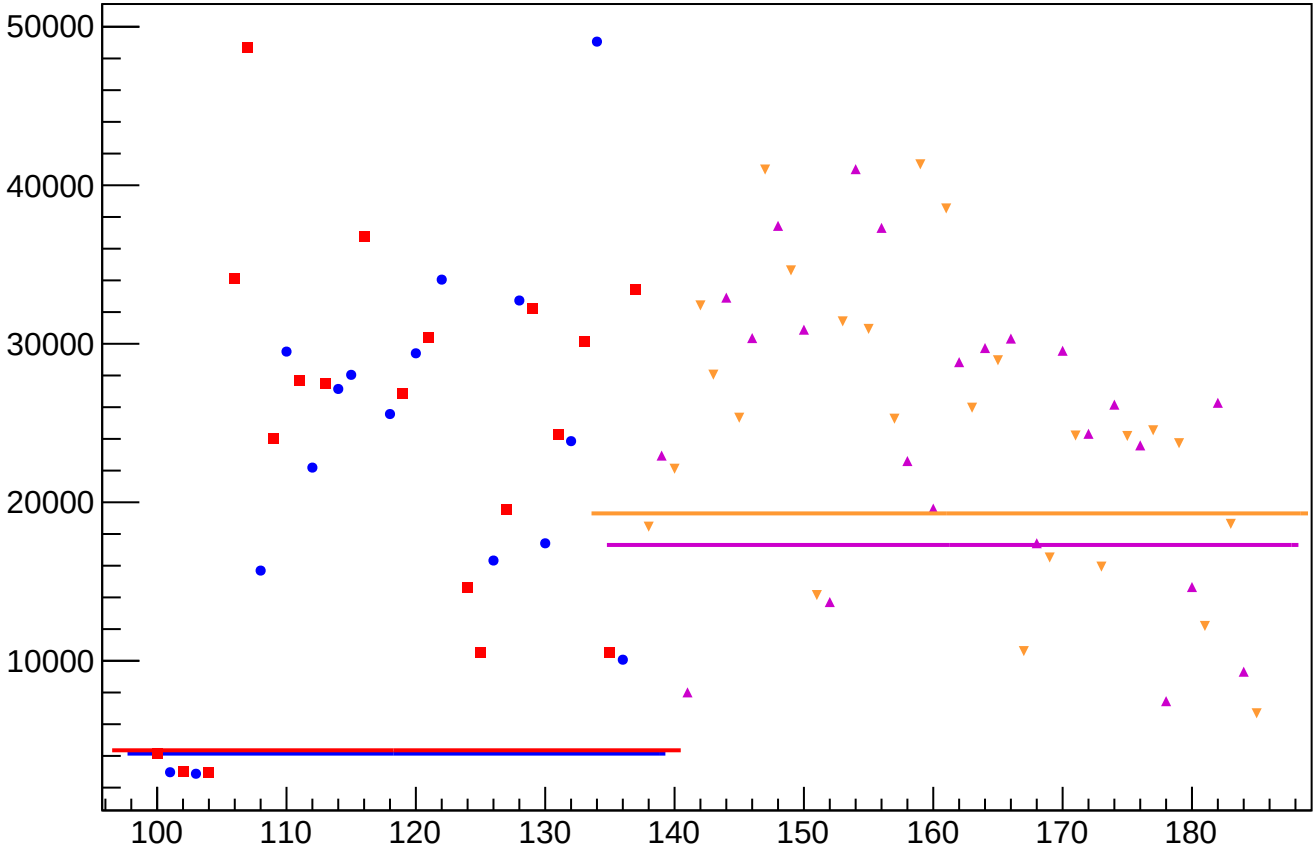
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign -5.469+/-2.255 χ^2/NDF: 50.0/40

All: -2.468+/-1.625 χ^2/NDF: 110.4/82

- sign 0.773+/-2.343 χ^2/NDF: 56.6/41

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

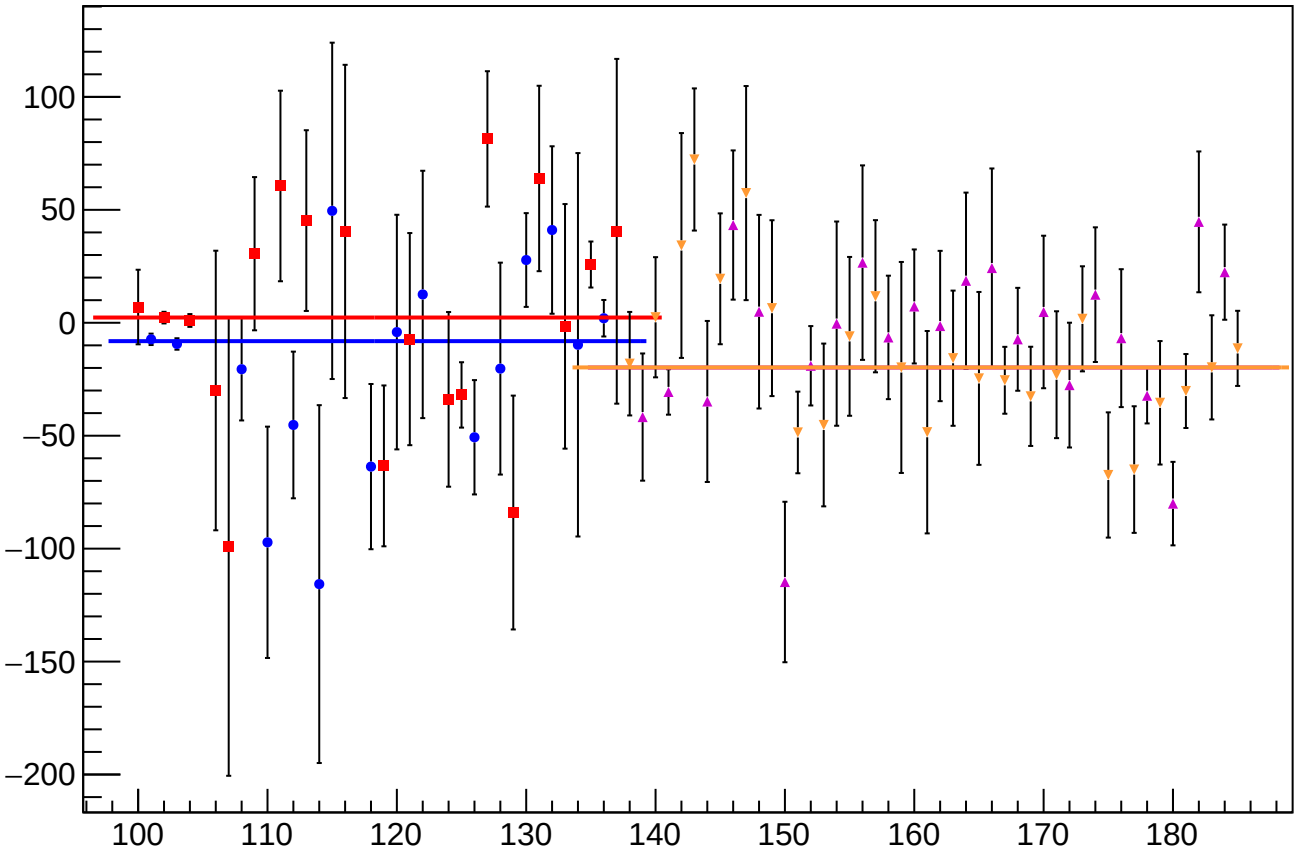
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 6965.341+/-1.594 χ^2/NDF: 25553199.5/40

All: 7029.845+/-1.149 χ^2/NDF: 50109445.8/8

- sign 7099.506+/-1.657 χ^2/NDF: 24552842.2/41



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

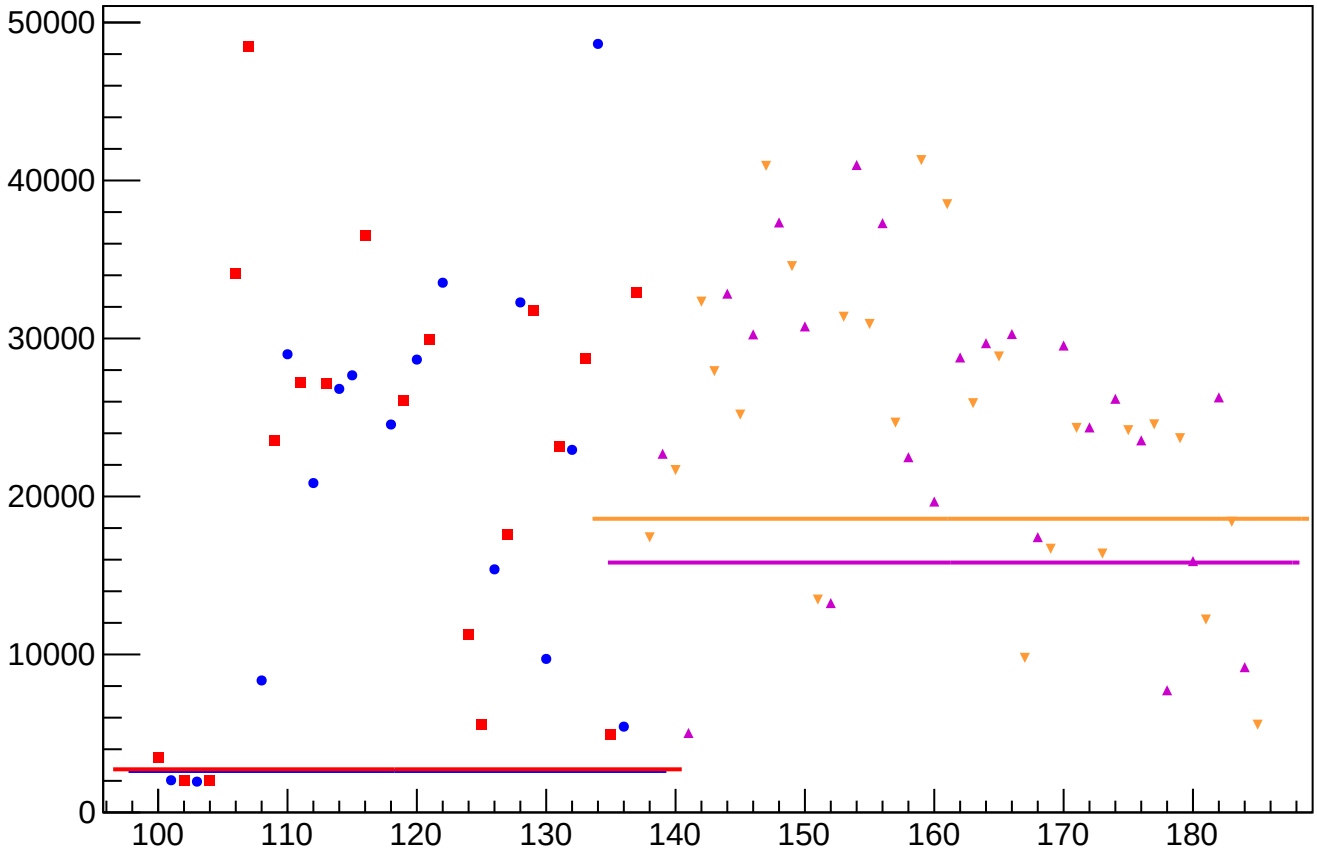
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -9.314+/-1.631 χ^2/NDF: 51.5/40

All: -5.065+/-1.179 χ^2/NDF: 157.4/82

- 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: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

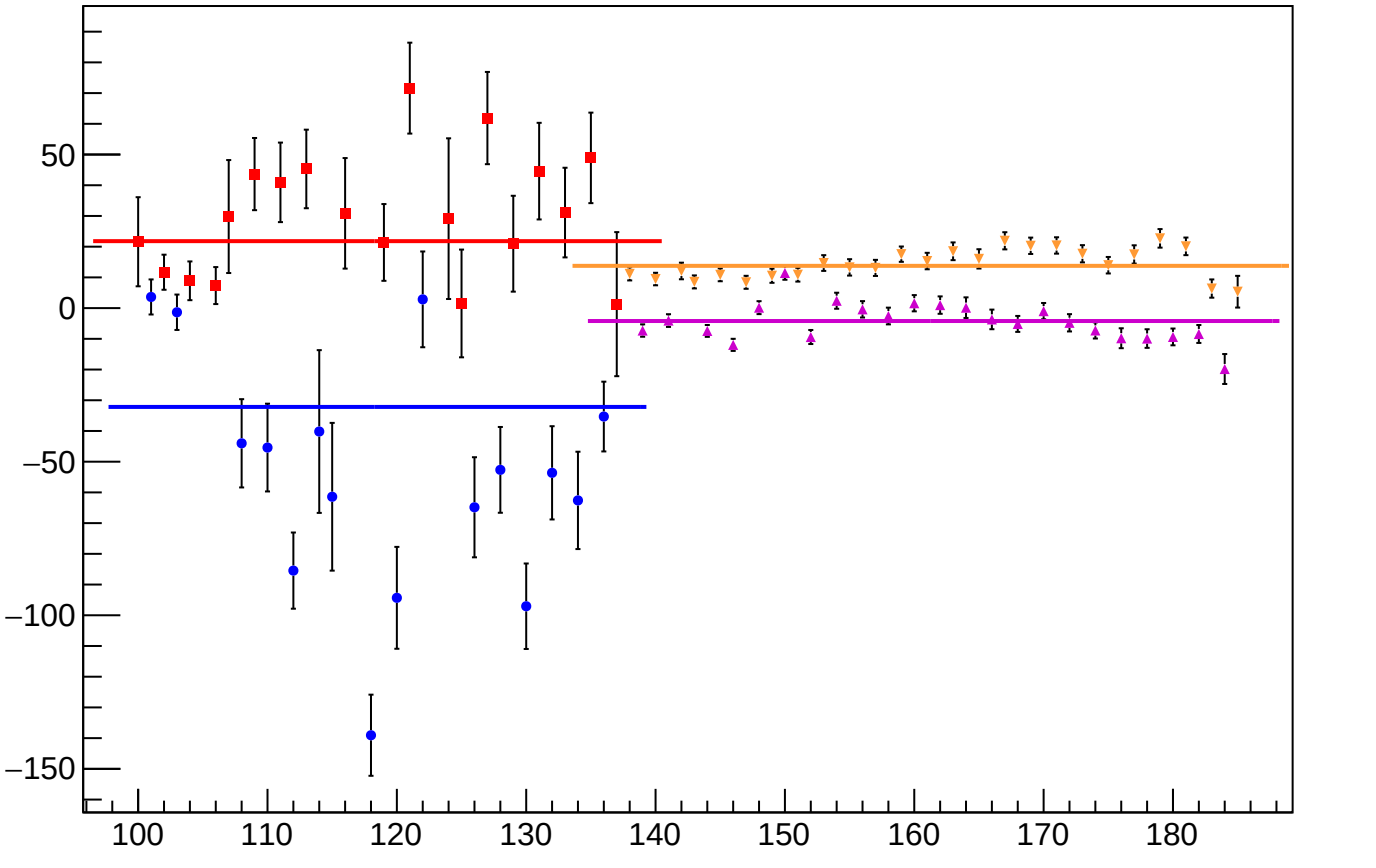
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 4247.733+/-1.153 χ^2/NDF: 29967780.6/40

All: 4297.000+/-0.833 χ^2/NDF: 59147467.3/8

- 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: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

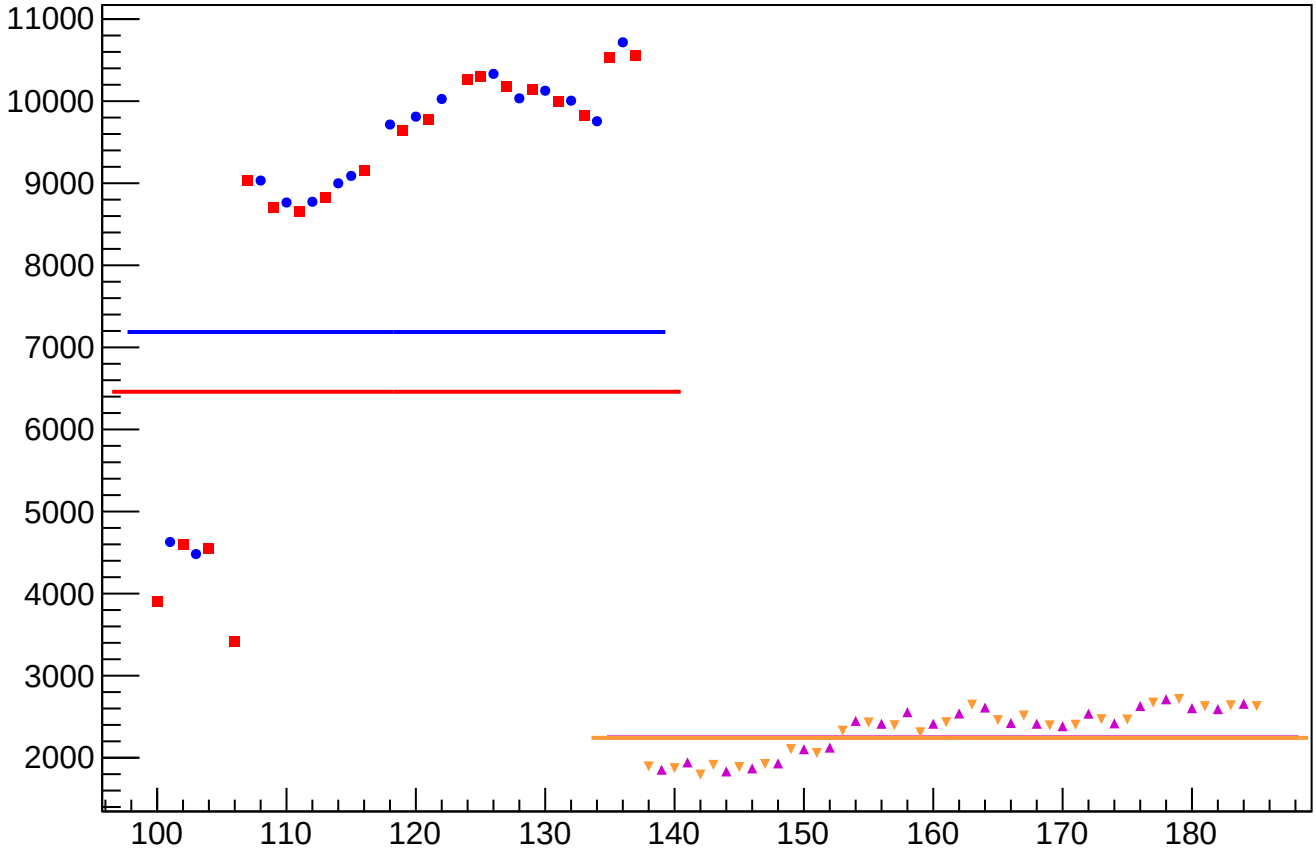
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 12.306+/-0.506 χ^2/NDF: 538.0/40

All: 4.787+/-0.362 χ^2/NDF: 1263.8/82

- 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: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

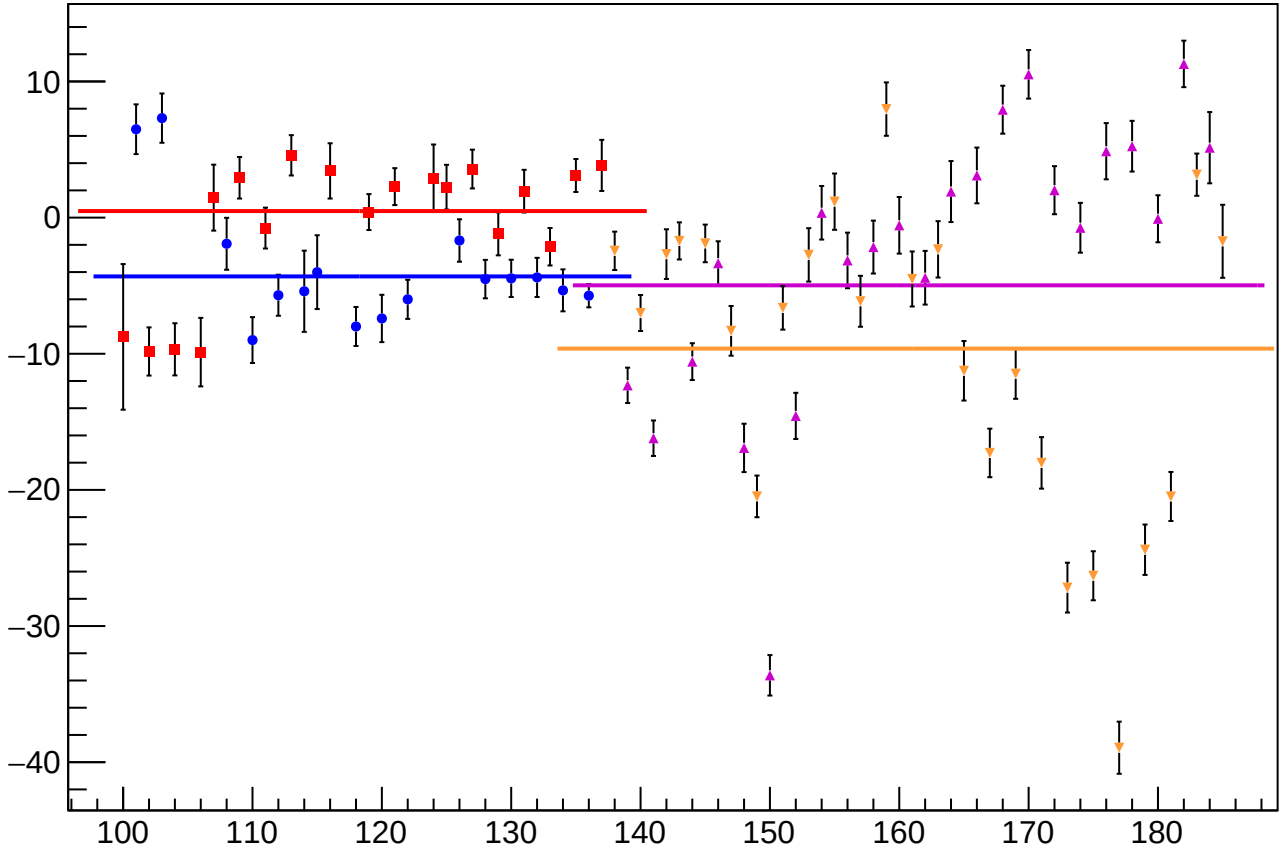
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2398.991+/-0.358 χ^2/NDF: 8228181.2/40

All: 2410.214+/-0.256 χ^2/NDF: 16347628.5/8

- 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: -9.622+/-0.349 χ^2/NDF:934.3/24

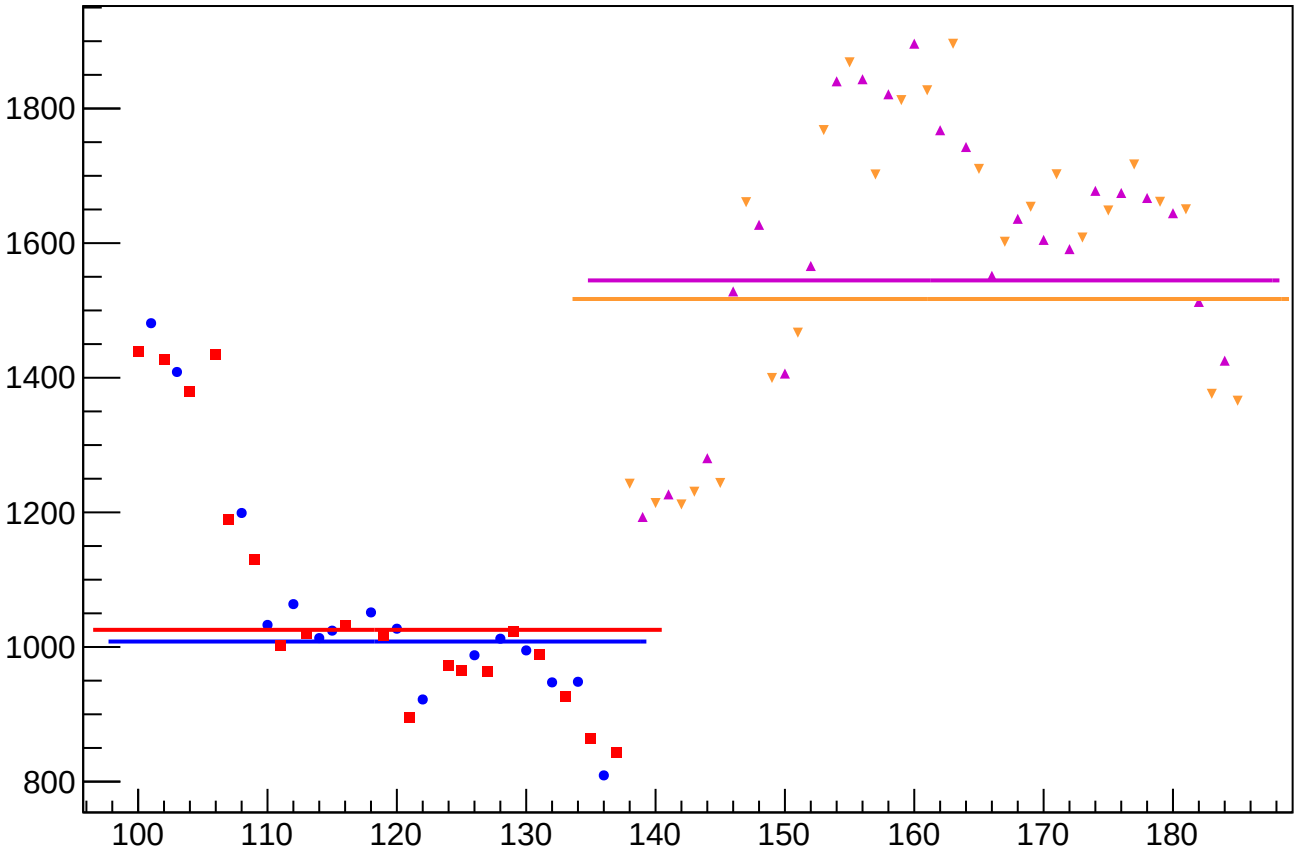
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.193+/-0.257 χ^2/NDF: 1143.7/40

All: -4.824+/-0.184 χ^2/NDF: 2472.0/82

- 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: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

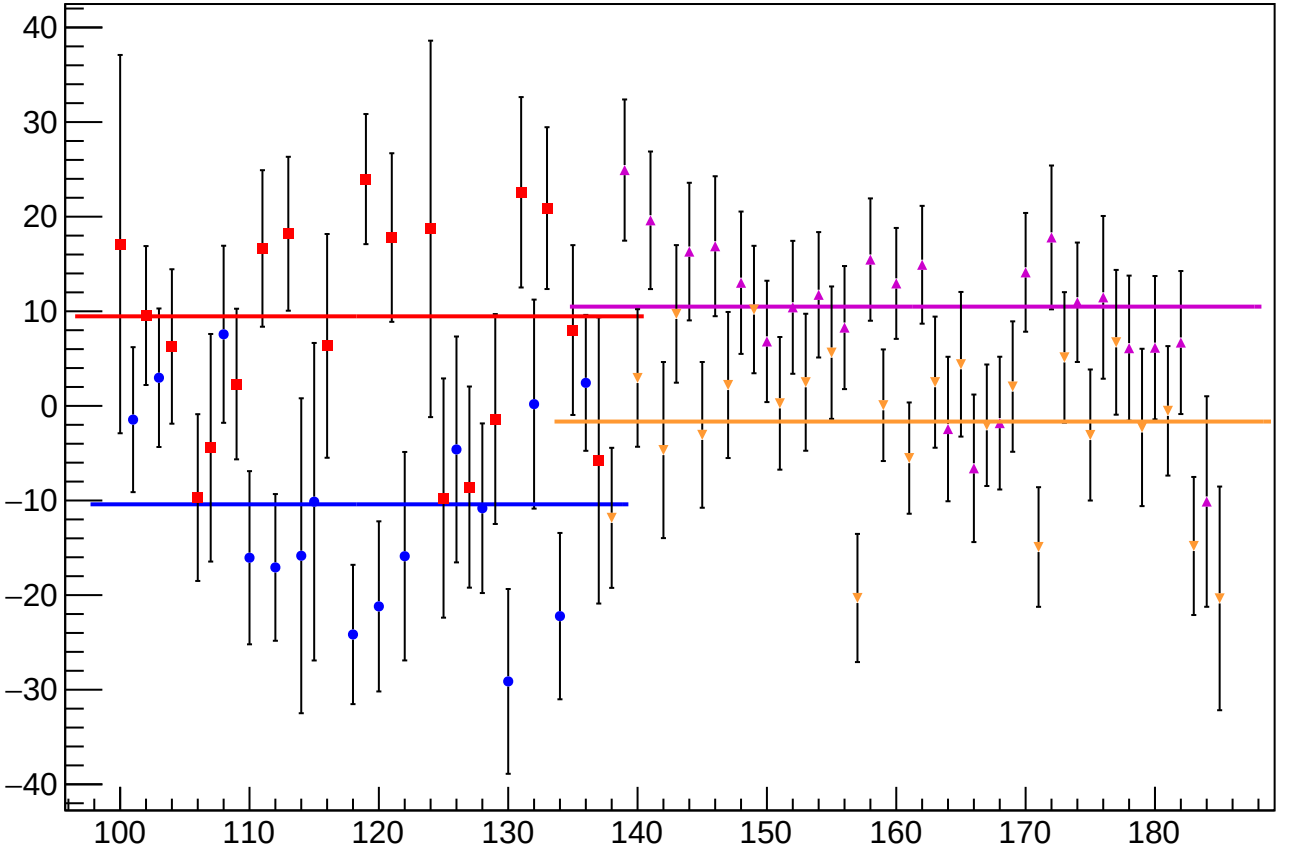
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1283.917+/-0.182 χ^2/NDF: 3158402.9/40

All: 1289.268+/-0.130 χ^2/NDF: 6095434.1/82

- 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: -1.655+/-1.426 χ^2/NDF:31.5/24

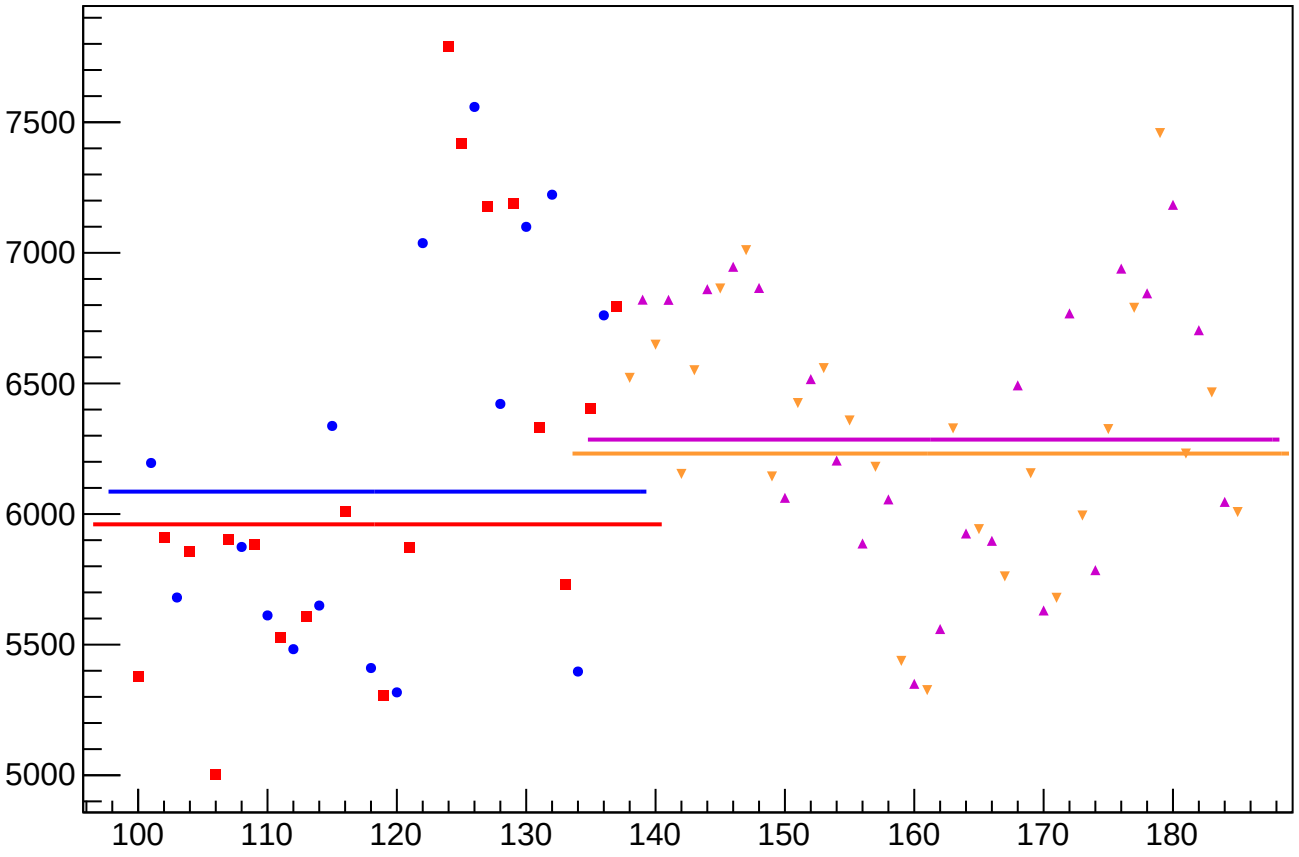
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -4.116+/-1.209 χ^2/NDF: 66.7/40

All: 2.928+/-0.861 χ^2/NDF: 185.9/82

- 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: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

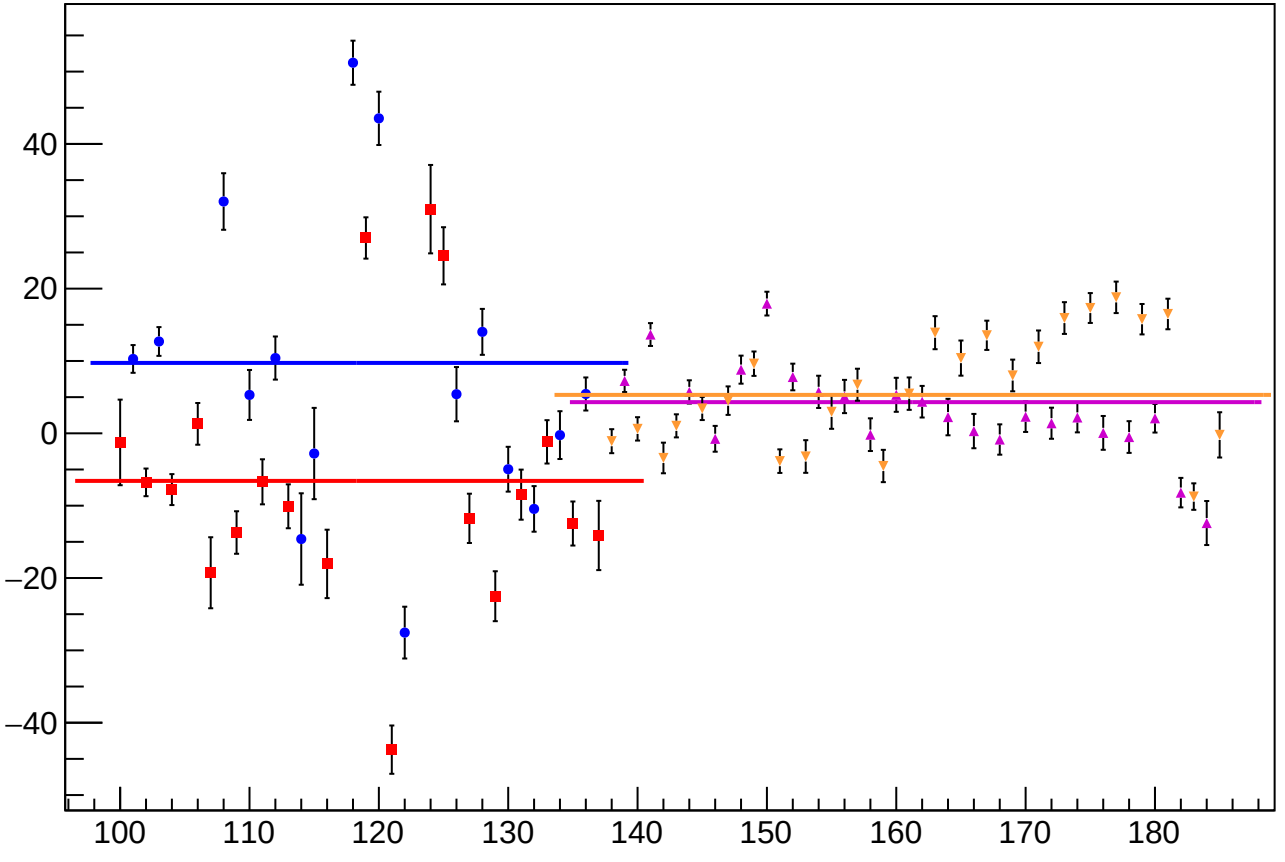
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6190.592+/-0.855 χ^2/NDF: 411947.9/40

All: 6187.057+/-0.609 χ^2/NDF: 870245.6/82

- 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: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

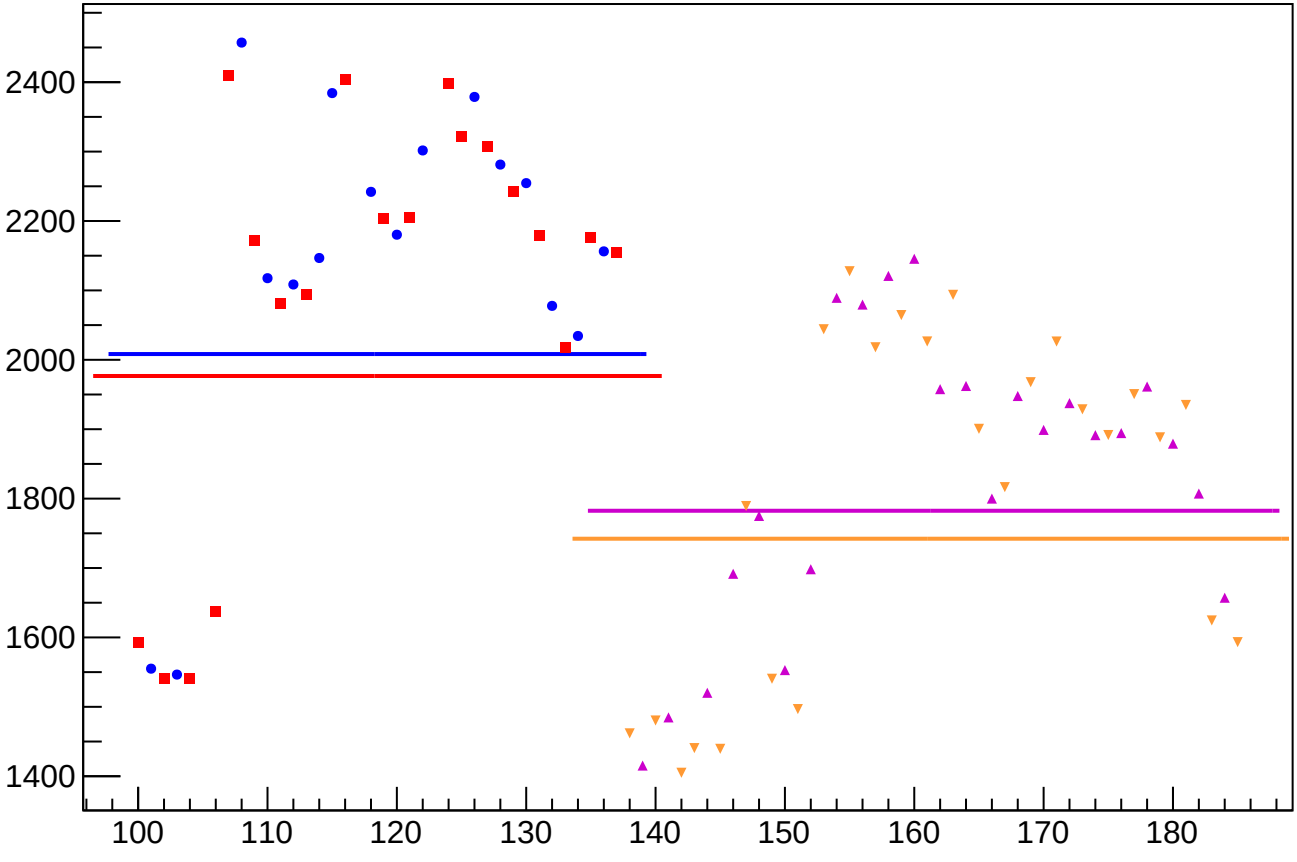
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 6.283+/-0.354 χ^2/NDF: 917.2/40

All: 4.011+/-0.254 χ^2/NDF: 1813.3/82

- sign 1.604+/-0.364 χ^2/NDF: 811.1/41

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

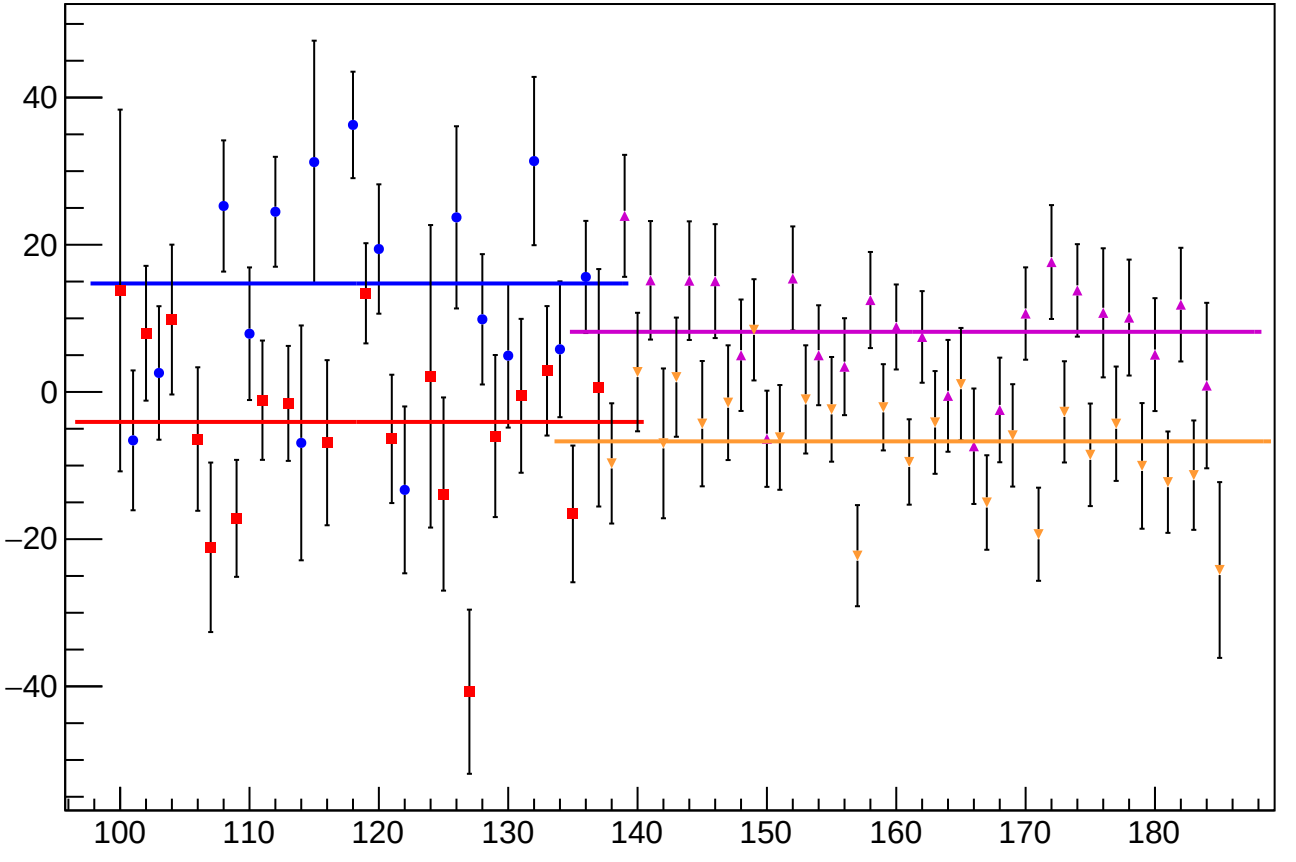
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1800.623+/-0.250 χ^2/NDF: 1305967.1/40

All: 1815.260+/-0.179 χ^2/NDF: 2319002.7/82

- 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: -6.713+/-1.458 χ^2/NDF:25.7/24

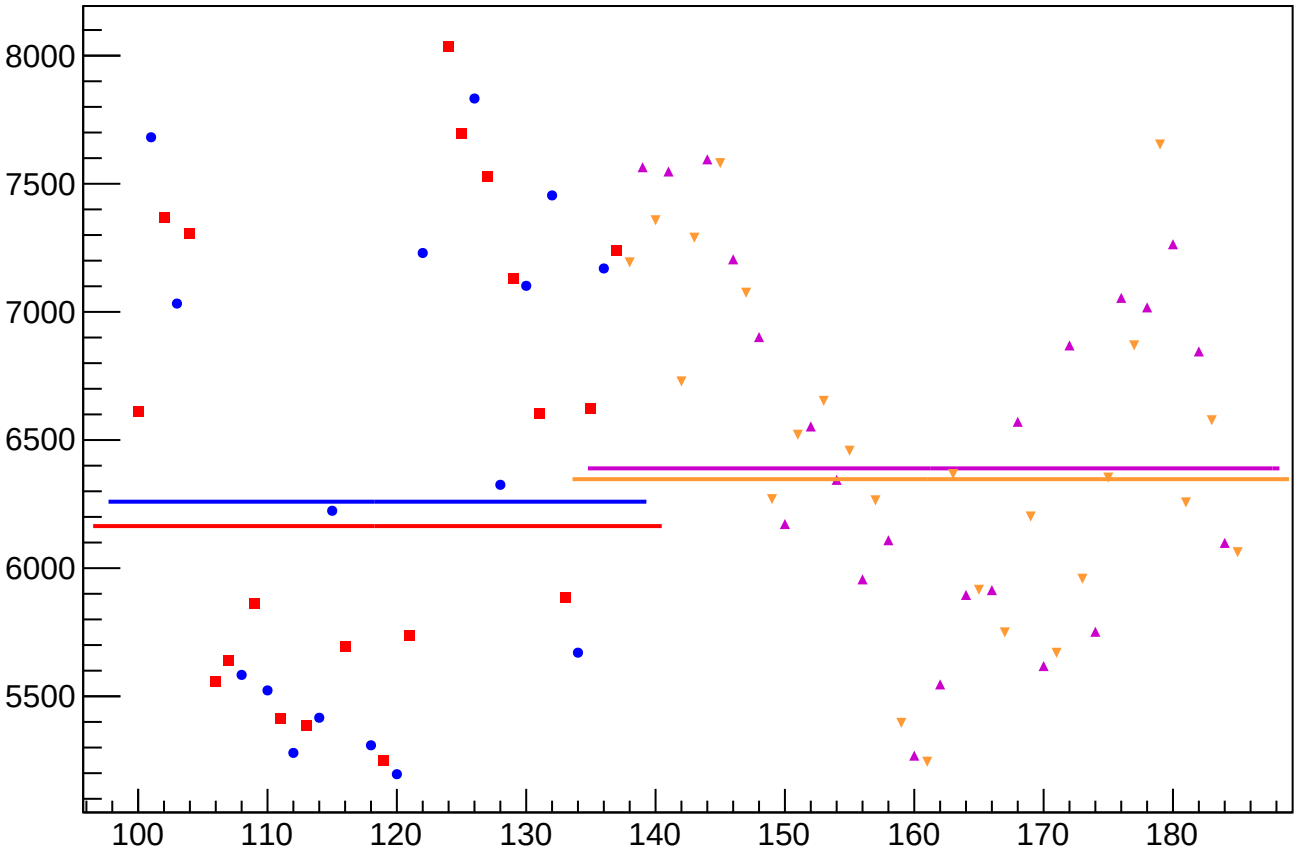
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -0.780+/-1.240 χ^2/NDF: 119.1/40

All: 1.785+/-0.883 χ^2/NDF: 202.2/82

- 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: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

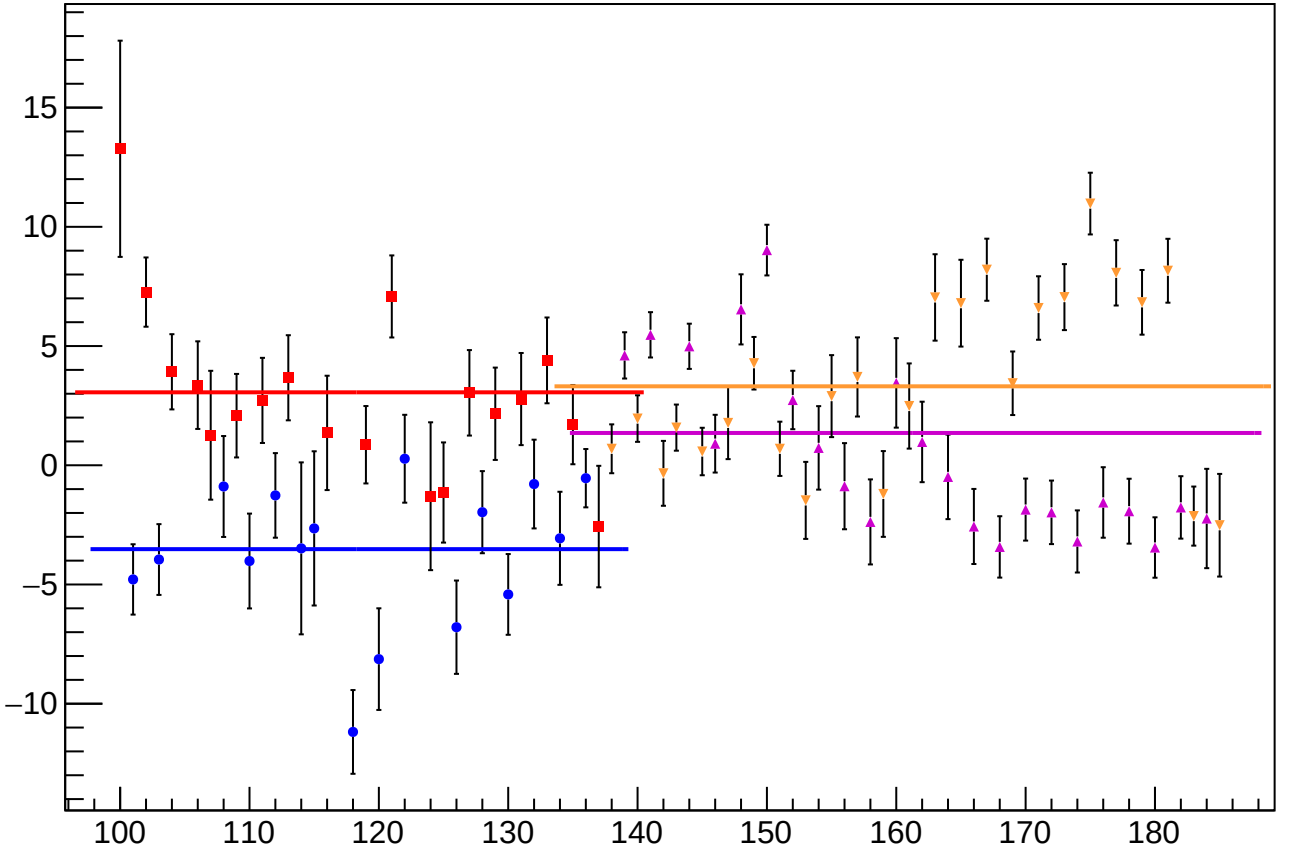
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6322.984+/-0.877 χ^2/NDF: 696642.2/40

All: 6321.749+/-0.624 χ^2/NDF: 1395086.4/82

- 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: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

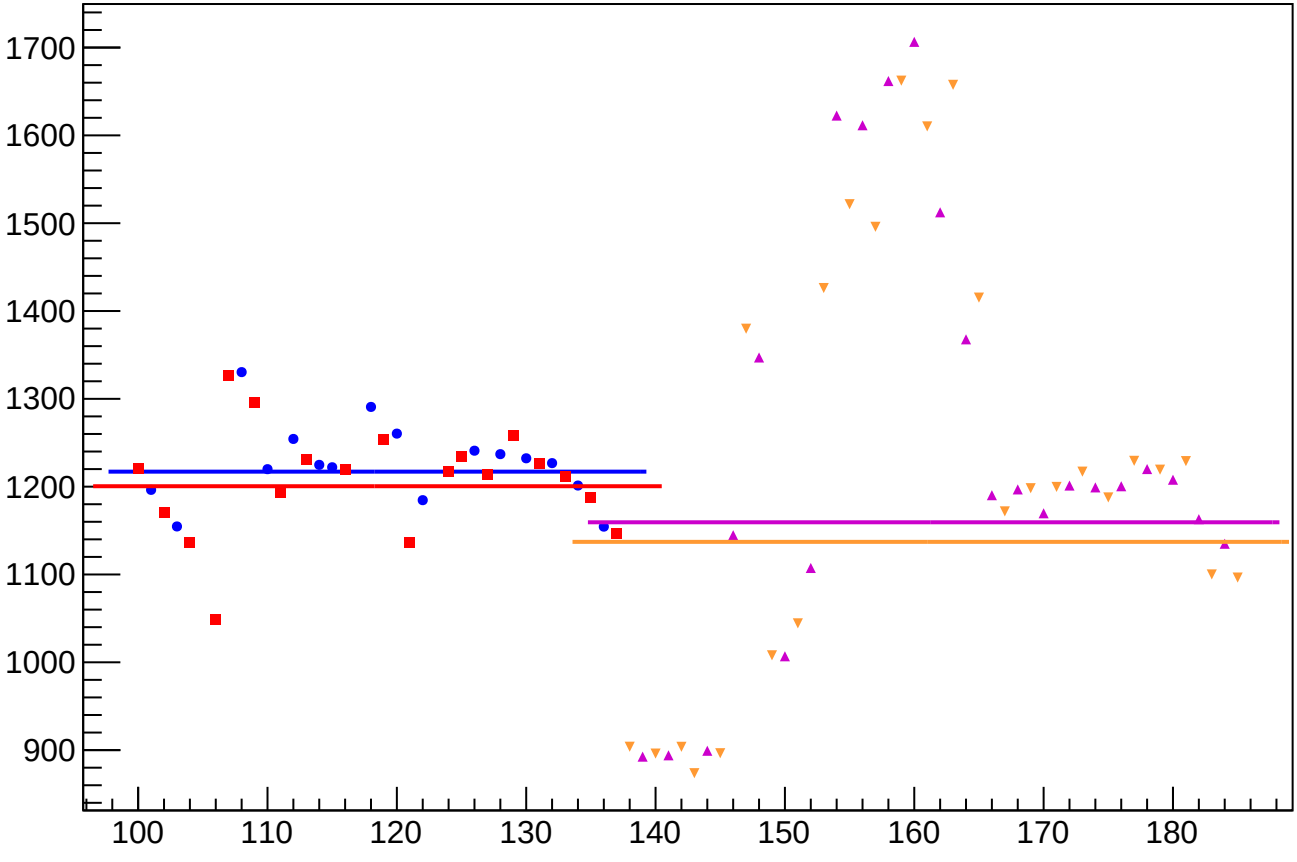
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.572+/-0.228 χ^2/NDF: 392.8/40

All: 1.703+/-0.163 χ^2/NDF: 635.4/82

- 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: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

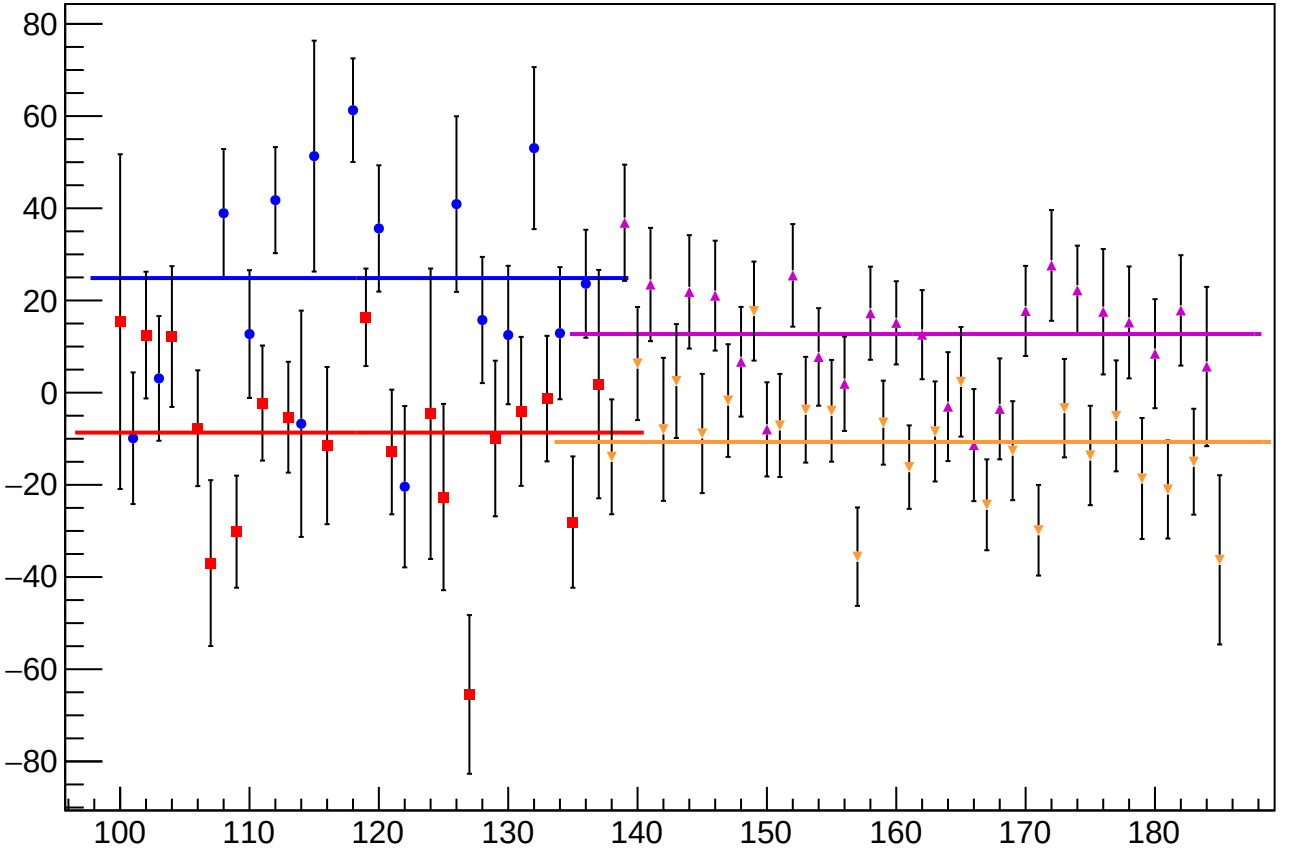
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1157.508+/-0.161 χ^2/NDF: 1537920.2/40

All: 1164.153+/-0.116 χ^2/NDF: 2851393.5/82

- 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: -10.696+/-2.257 χ^2/NDF:28.7/24

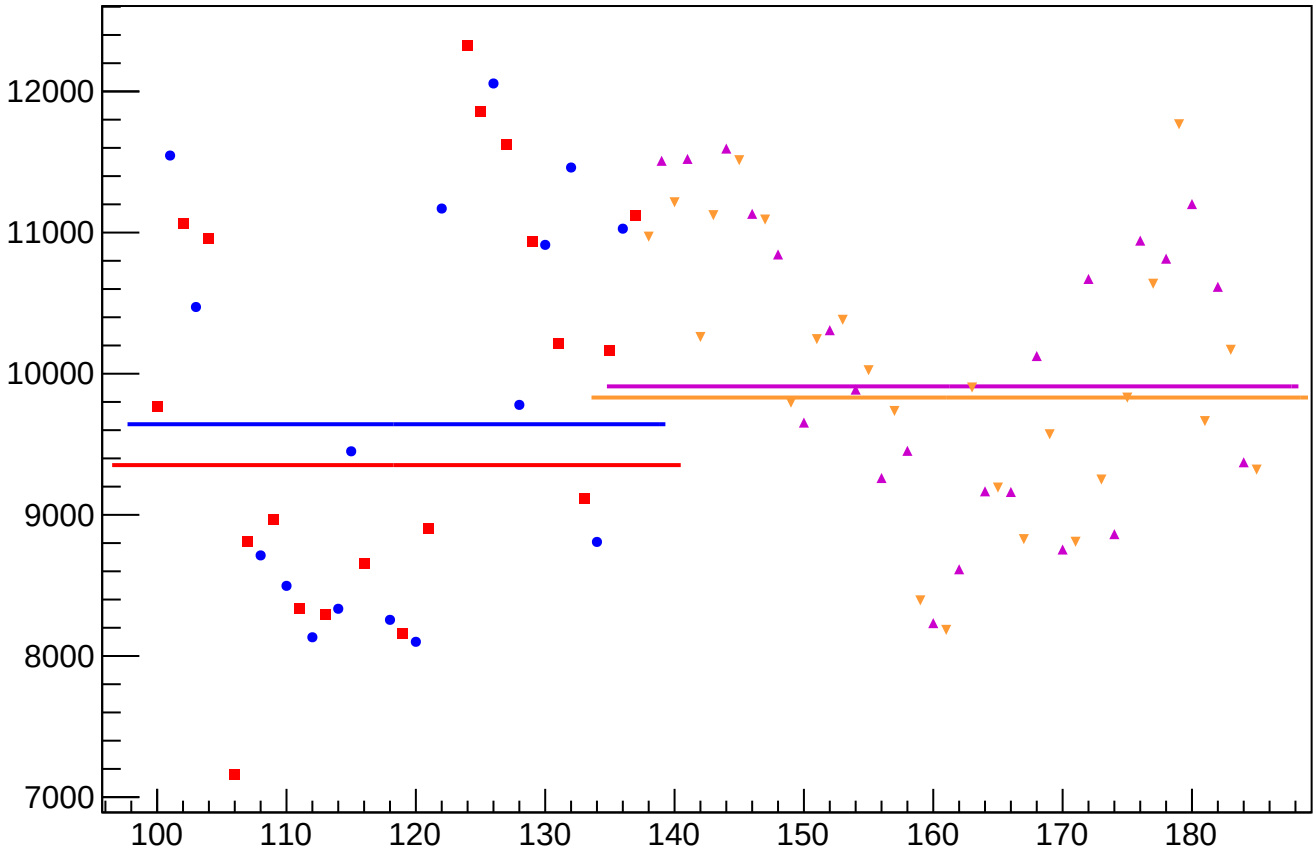
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -0.774+/-1.917 χ^2/NDF: 136.1/40

All: 2.571+/-1.363 χ^2/NDF: 222.7/82

- 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: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

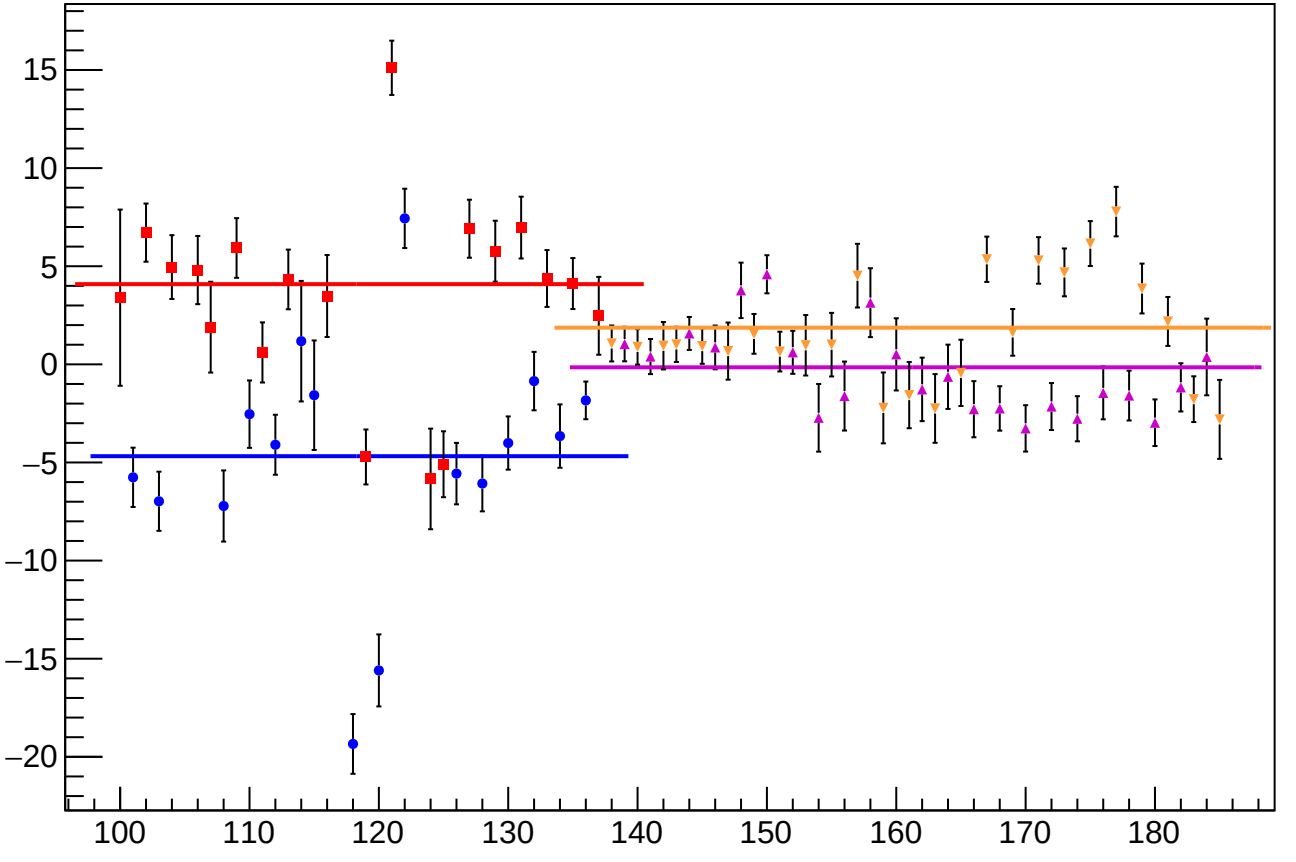
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9778.493+/-1.355 χ^2/NDF: 639705.0/40

All: 9756.844+/-0.964 χ^2/NDF: 1367115.5/82

- 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: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

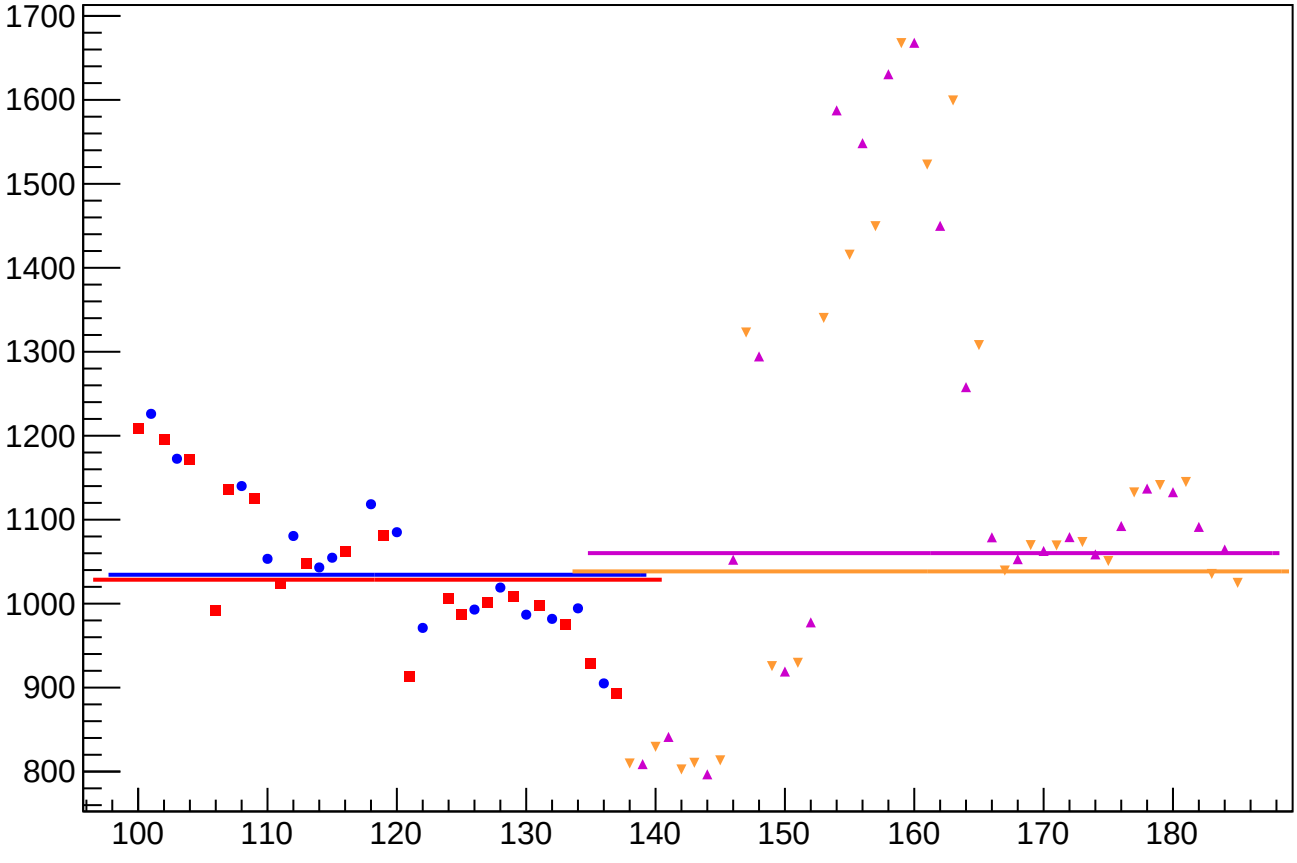
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.012+/-0.205 χ^2/NDF: 530.9/40

All: 0.580+/-0.147 χ^2/NDF: 877.3/82

- 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: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

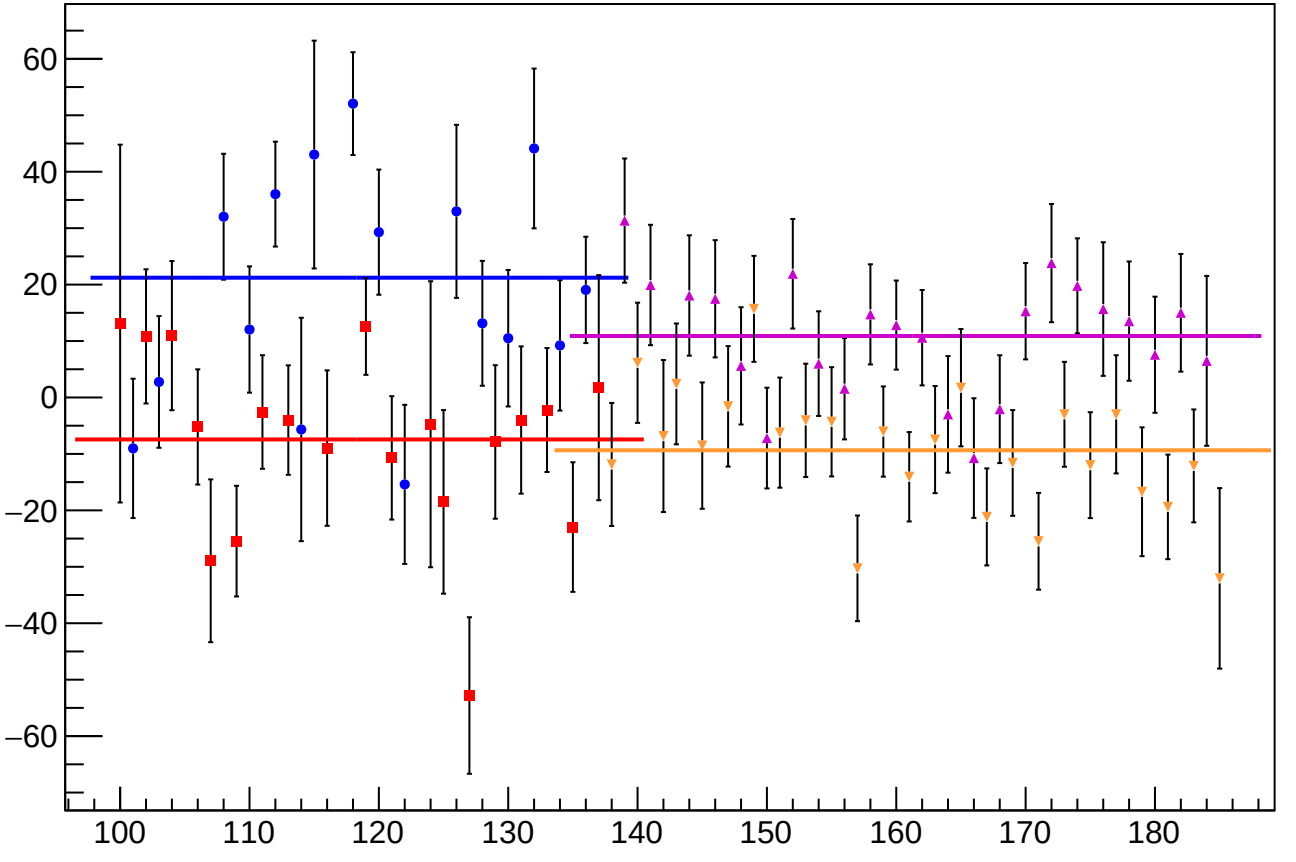
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1037.271+/-0.145 χ^2/NDF: 1820115.8/40

All: 1043.581+/-0.104 χ^2/NDF: 3458549.3/82

- sign 1050.229+/-0.149 χ^2/NDF: 1634557.0/41

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

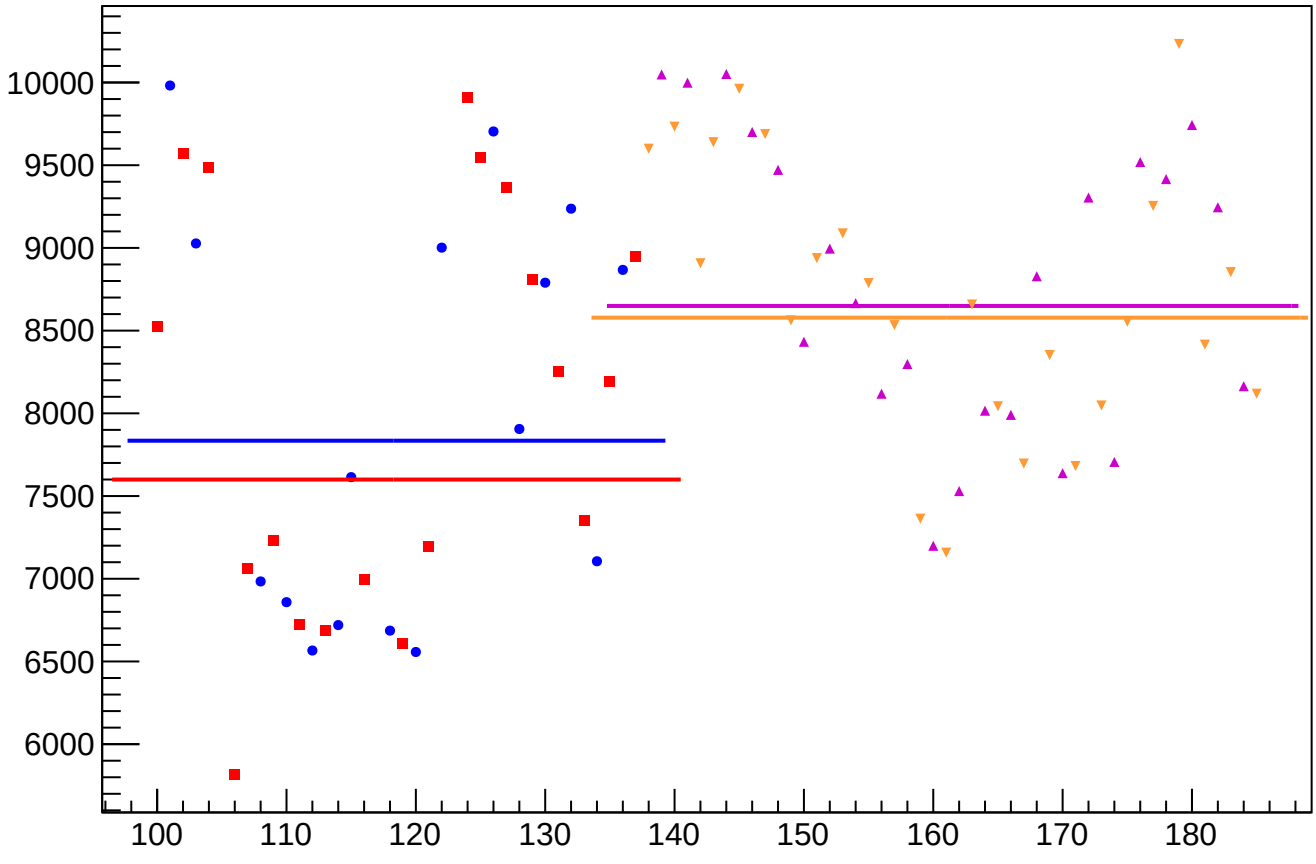
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign 0.062+/-1.638 χ^2/NDF: 142.8/40

All: 2.290+/-1.163 χ^2/NDF: 227.8/82

- sign 4.557+/-1.652 χ^2/NDF: 81.2/41



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

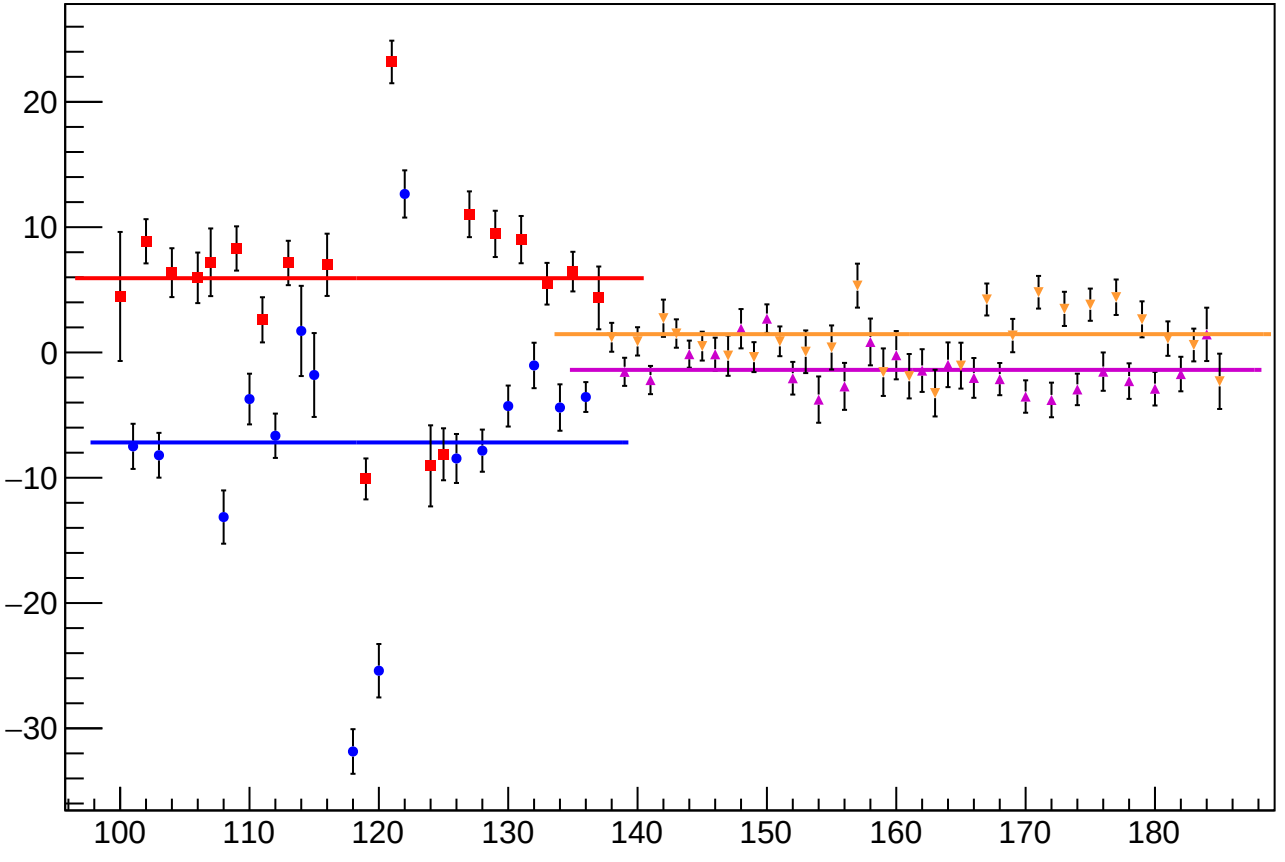
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8349.328+/-1.158 χ^2/NDF: 749685.4/40

All: 8318.175+/-0.823 χ^2/NDF: 1655883.7/82

- sign 8286.482+/-1.168 χ^2/NDF: 904739.1/41

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

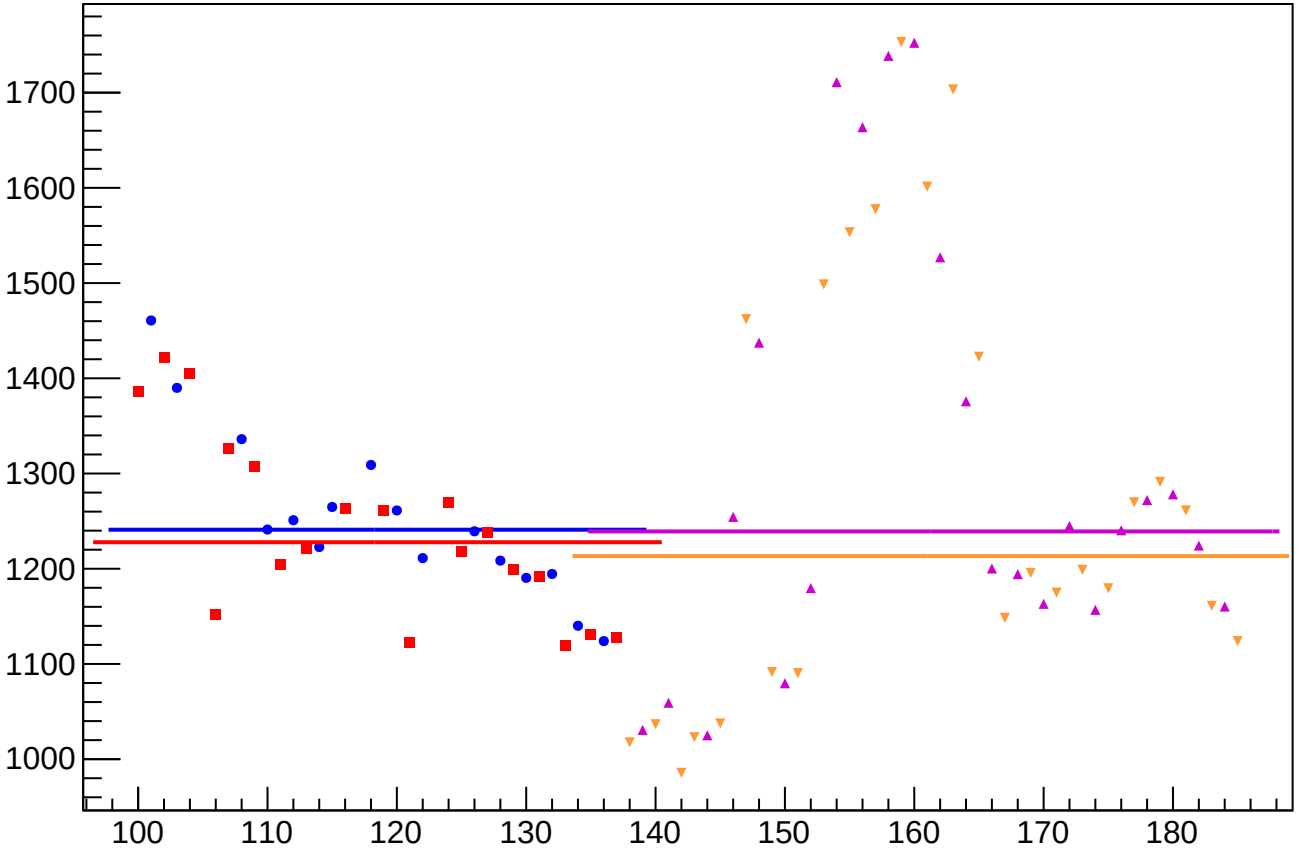
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -0.865+/-0.240 χ^2/NDF: 728.8/40

All: -0.050+/-0.172 χ^2/NDF: 1264.0/82

- sign 0.808+/-0.246 χ^2/NDF: 511.6/41

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

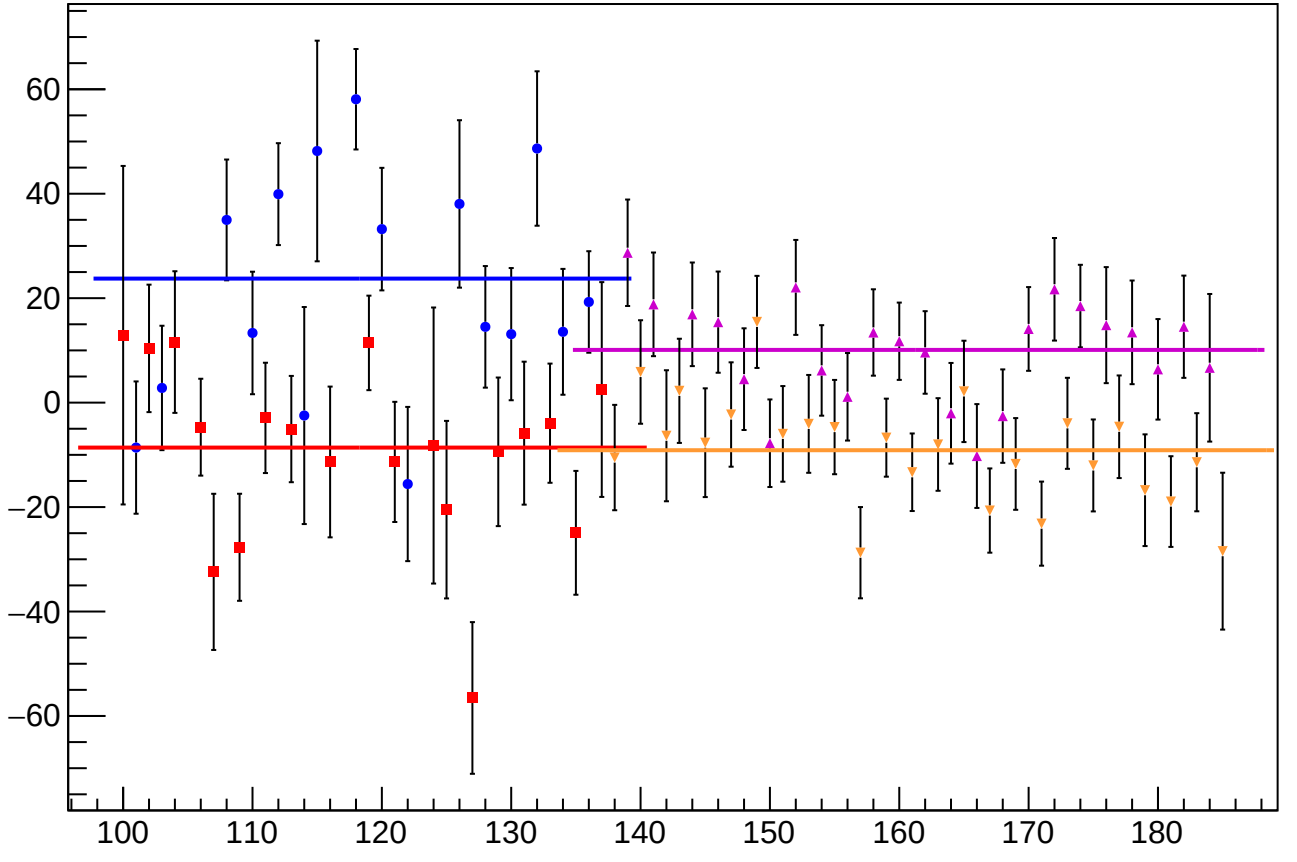
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1220.728+/-0.170 χ^2/NDF: 1098680.7/40

All: 1228.057+/-0.121 χ^2/NDF: 2071338.9/82

- 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: -9.114+/-1.842 χ^2/NDF:28.8/24

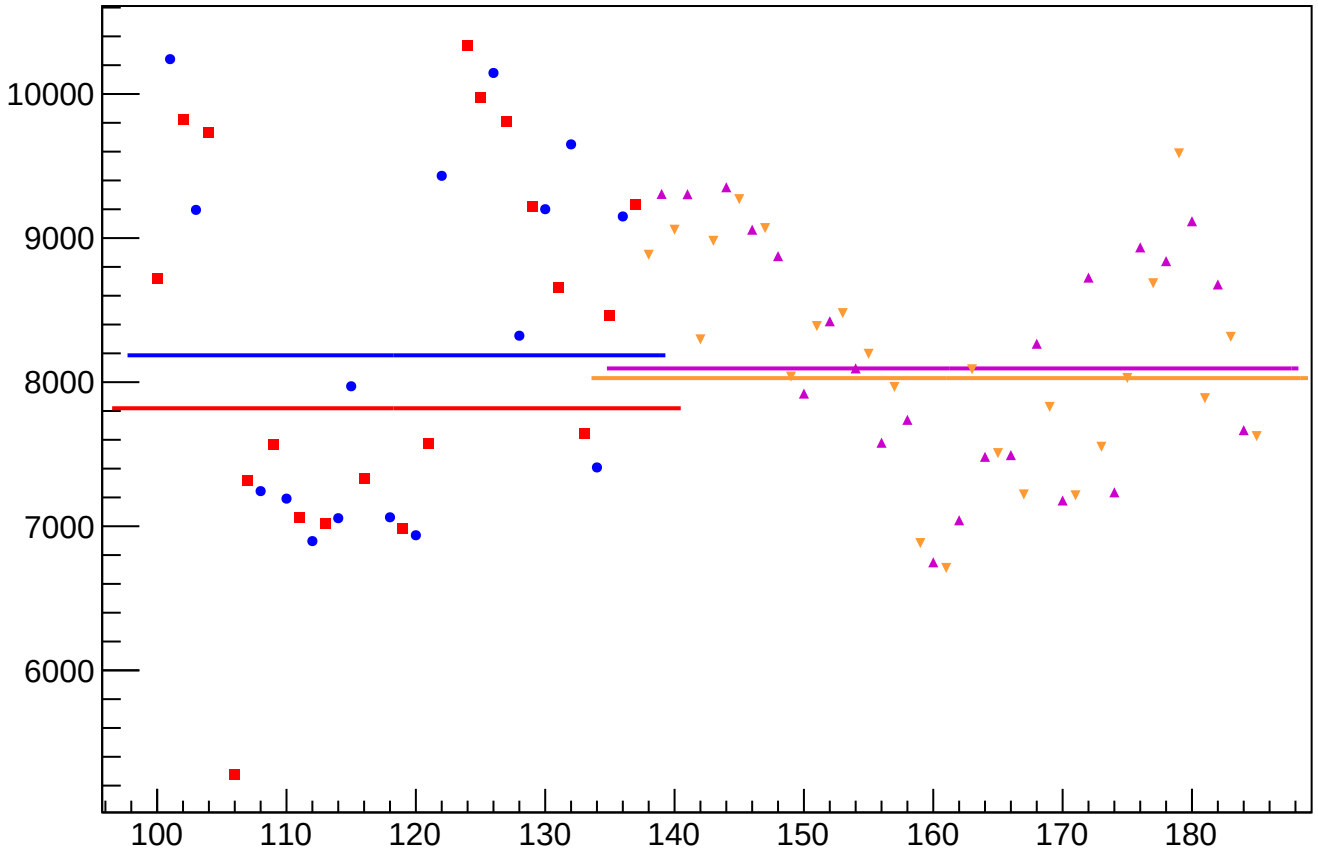
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -0.459+/-1.581 χ^2/NDF: 156.0/40

All: 1.962+/-1.123 χ^2/NDF: 244.5/82

- 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: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

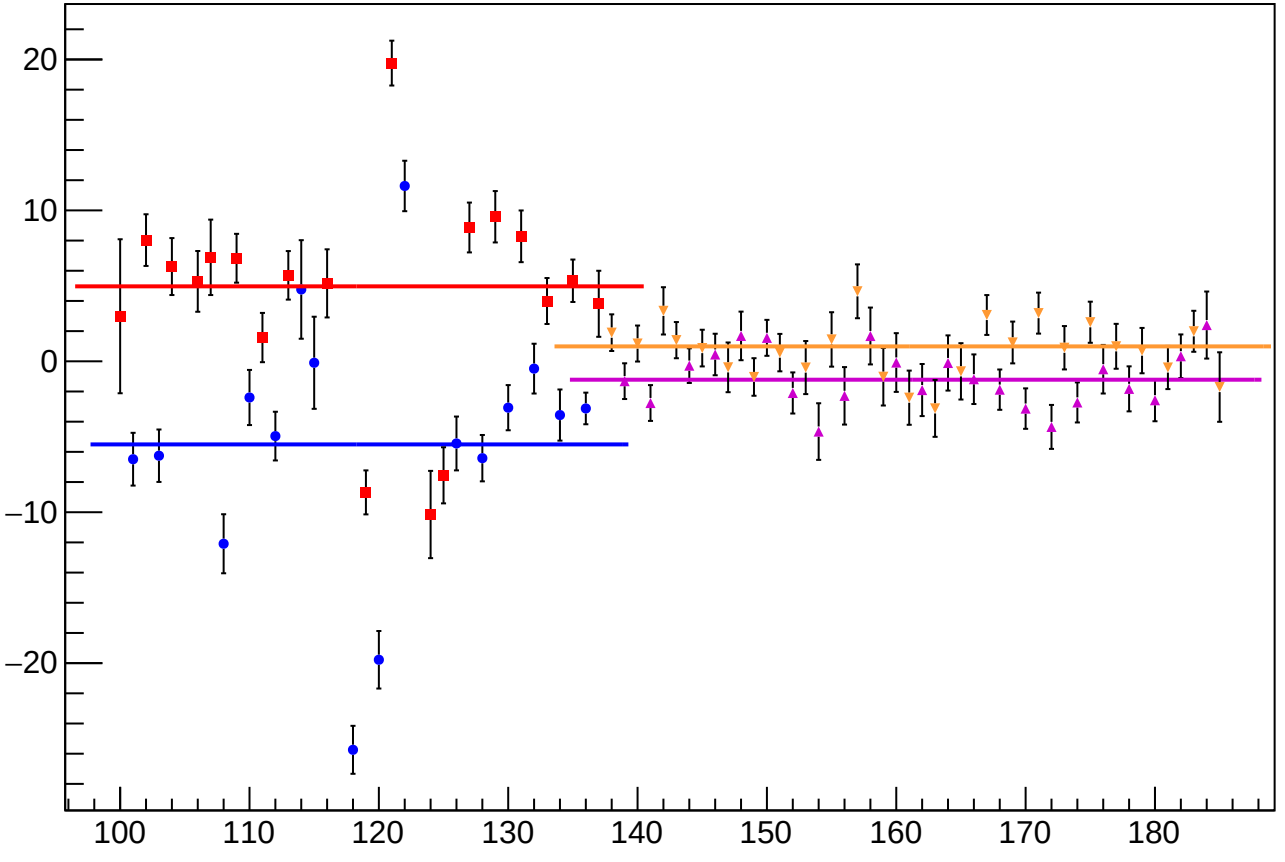
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8069.747+/-1.118 χ^2/NDF: 626975.1/40

All: 8040.949+/-0.794 χ^2/NDF: 1431436.1/82

- 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: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

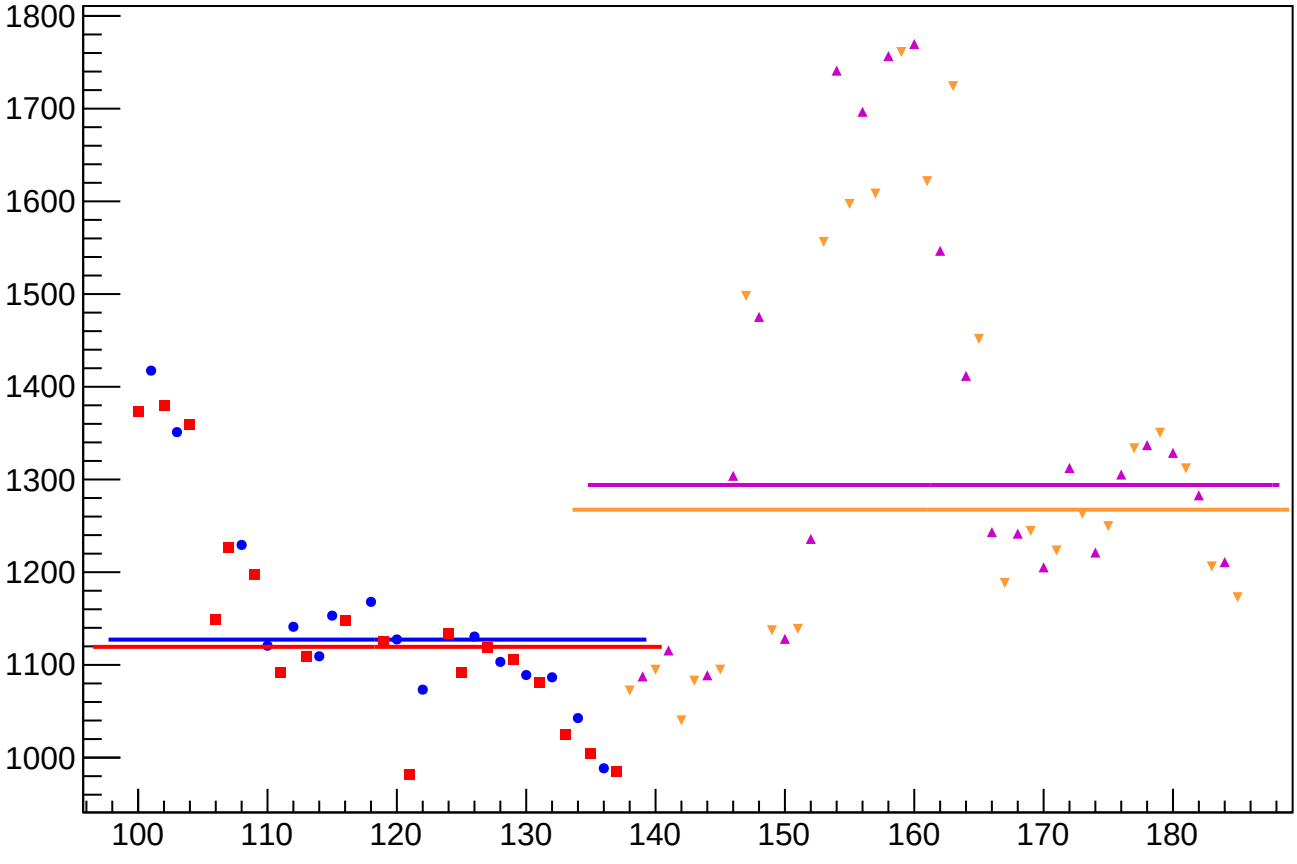
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.126+/-0.240 χ^2/NDF: 561.4/40

All: -0.088+/-0.172 χ^2/NDF: 1065.9/82

- 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: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

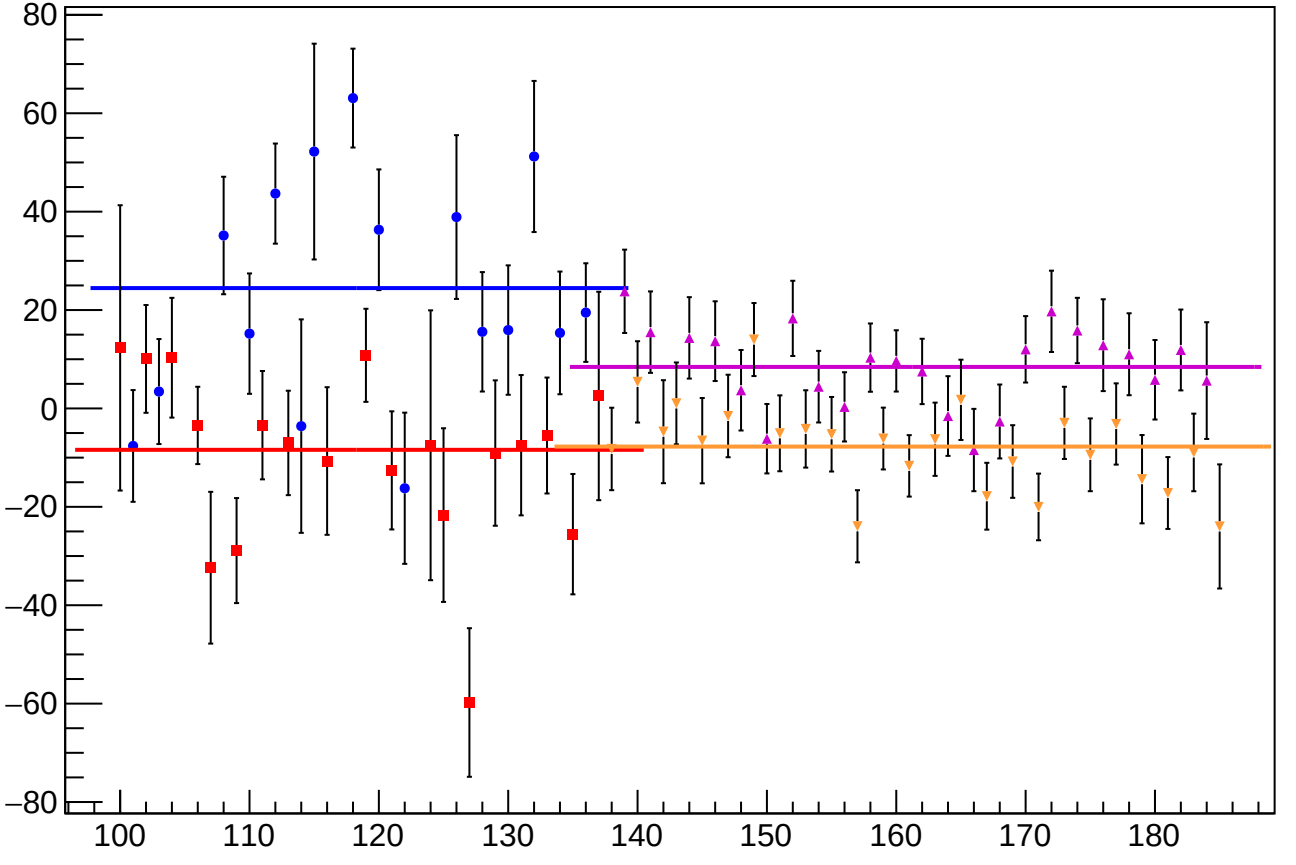
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1221.801+/-0.170 χ^2/NDF: 1168566.4/40

All: 1226.555+/-0.121 χ^2/NDF: 2301496.3/82

- 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: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

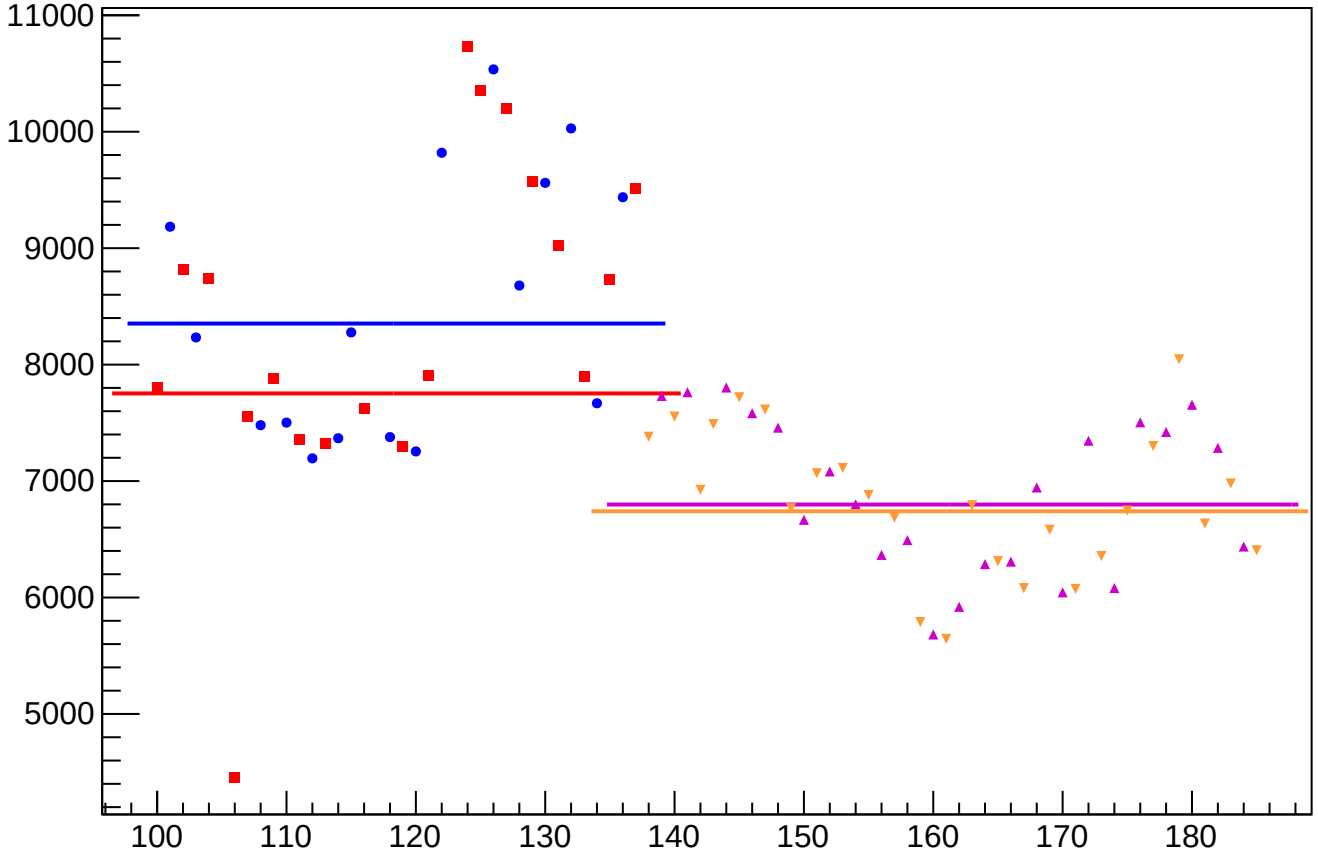
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -1.450+/-1.387 χ^2/NDF: 163.6/40

All: 1.476+/-0.986 χ^2/NDF: 254.5/82

- 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: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

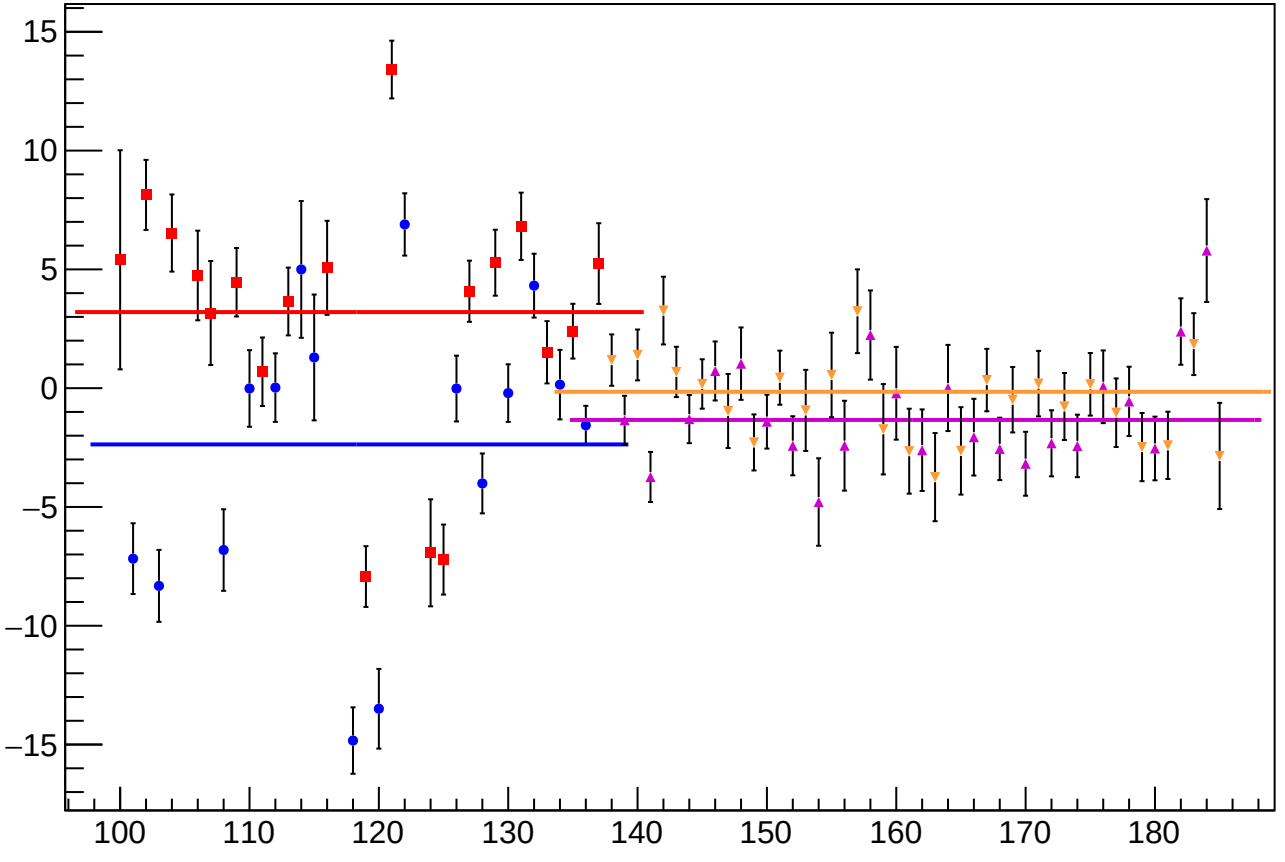
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7056.168+/-0.981 χ^2/NDF: 962115.9/40

All: 7039.897+/-0.697 χ^2/NDF: 2070573.0/82

- 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: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

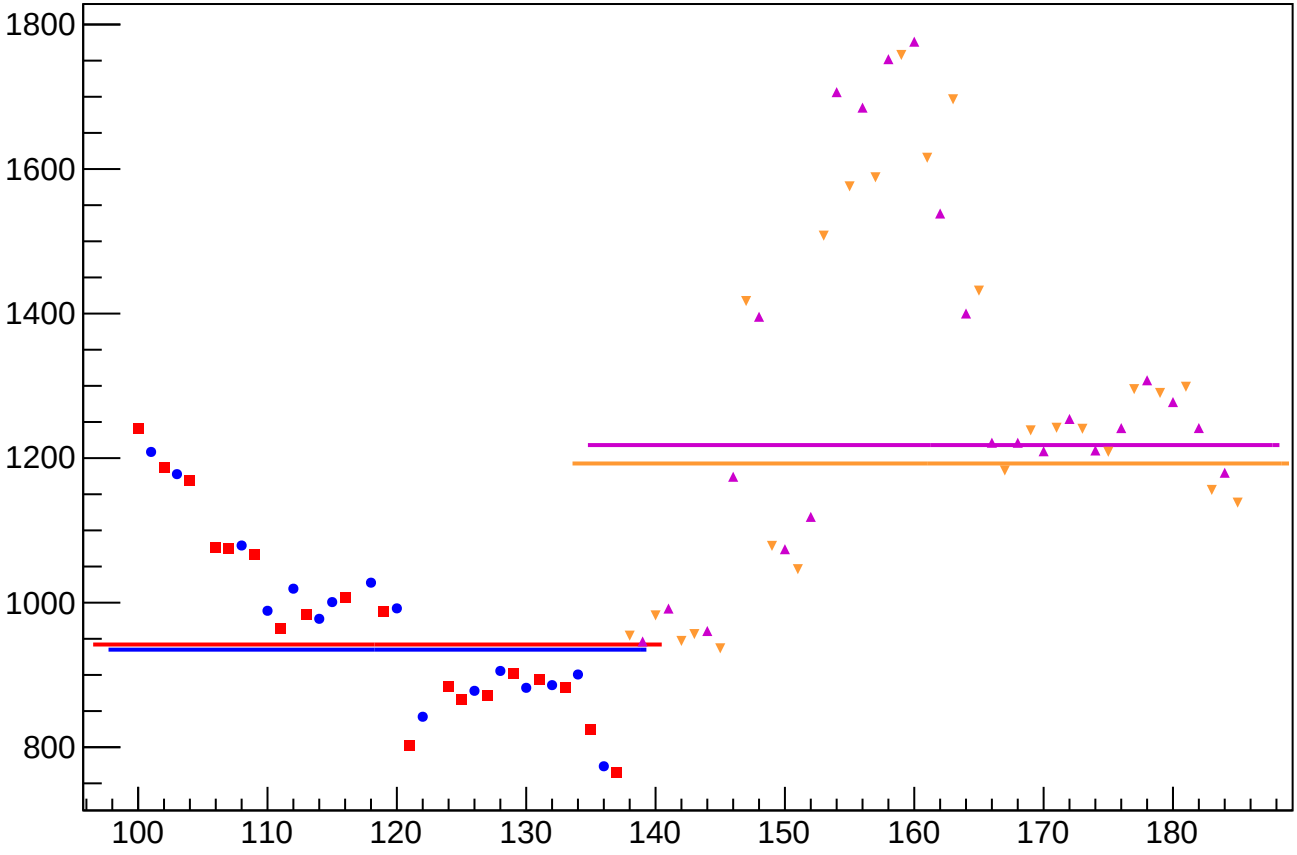
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.003+/-0.217 χ^2/NDF: 316.3/40

All: -0.252+/-0.155 χ^2/NDF: 736.2/82

- 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: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

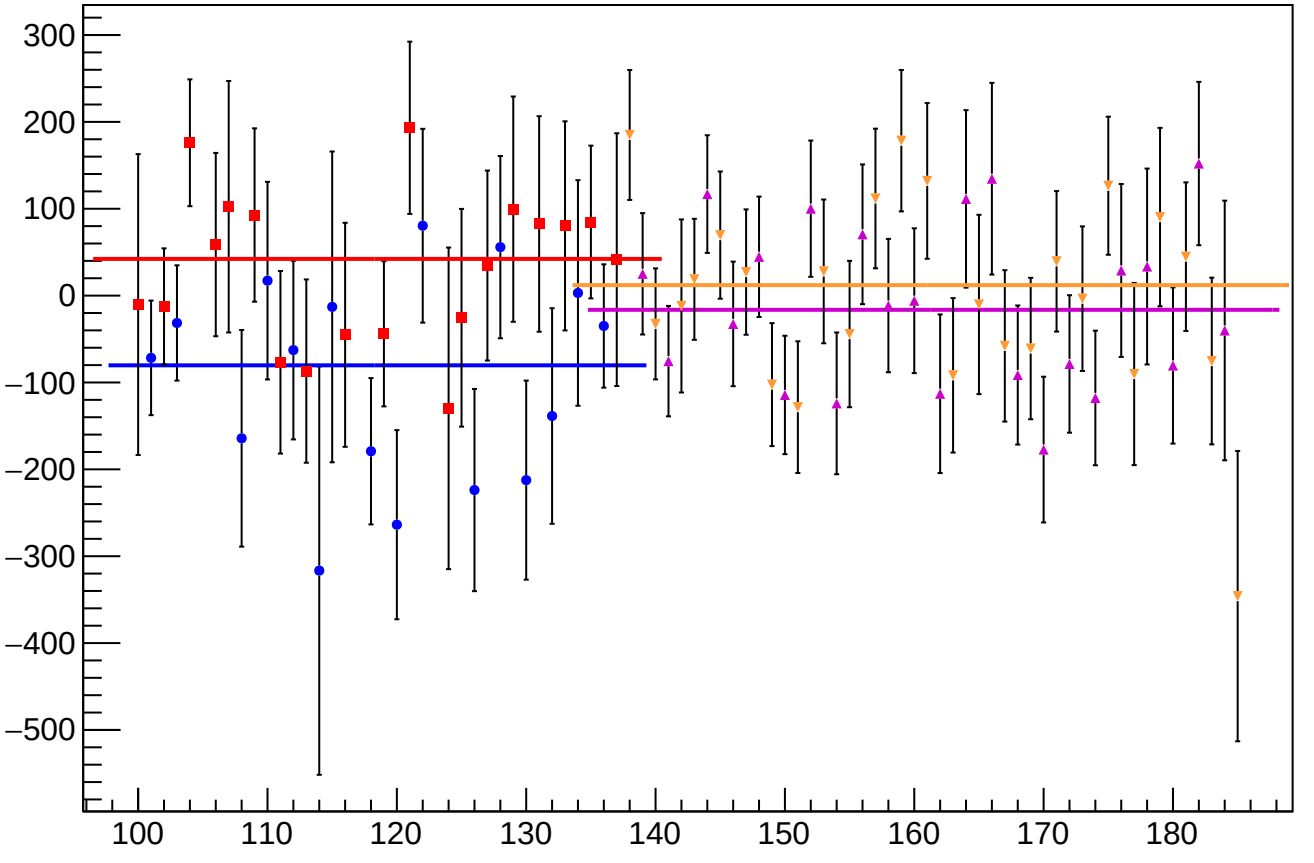
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1093.655+/-0.154 χ^2/NDF: 2240202.7/40

All: 1098.830+/-0.110 χ^2/NDF: 4348910.6/82

- 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: 12.081+/-16.608 χ^2/NDF:32.8/24

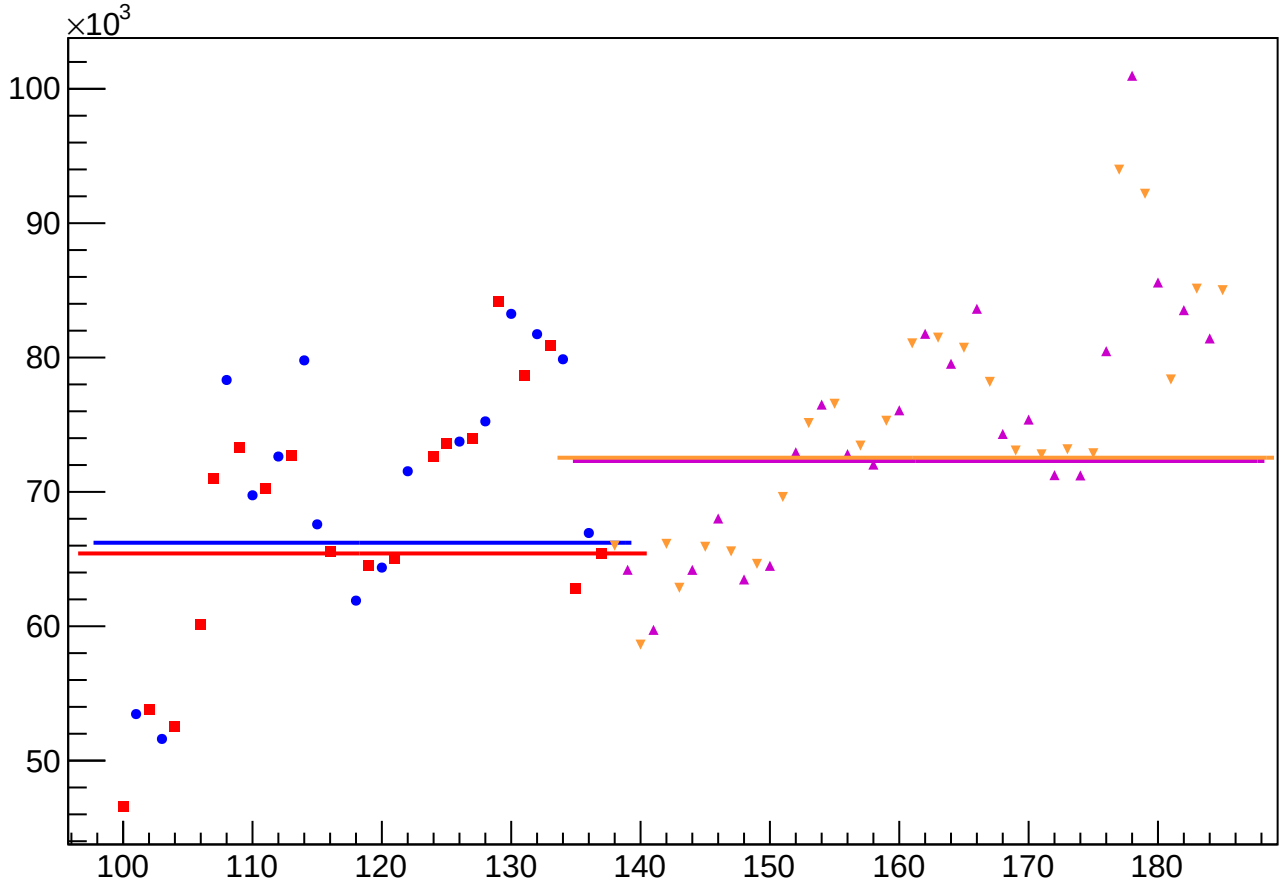
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -16.333+/-13.818 χ^2/NDF: 57.1/40

All: -6.675+/-9.803 χ^2/NDF: 103.7/82

- 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: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

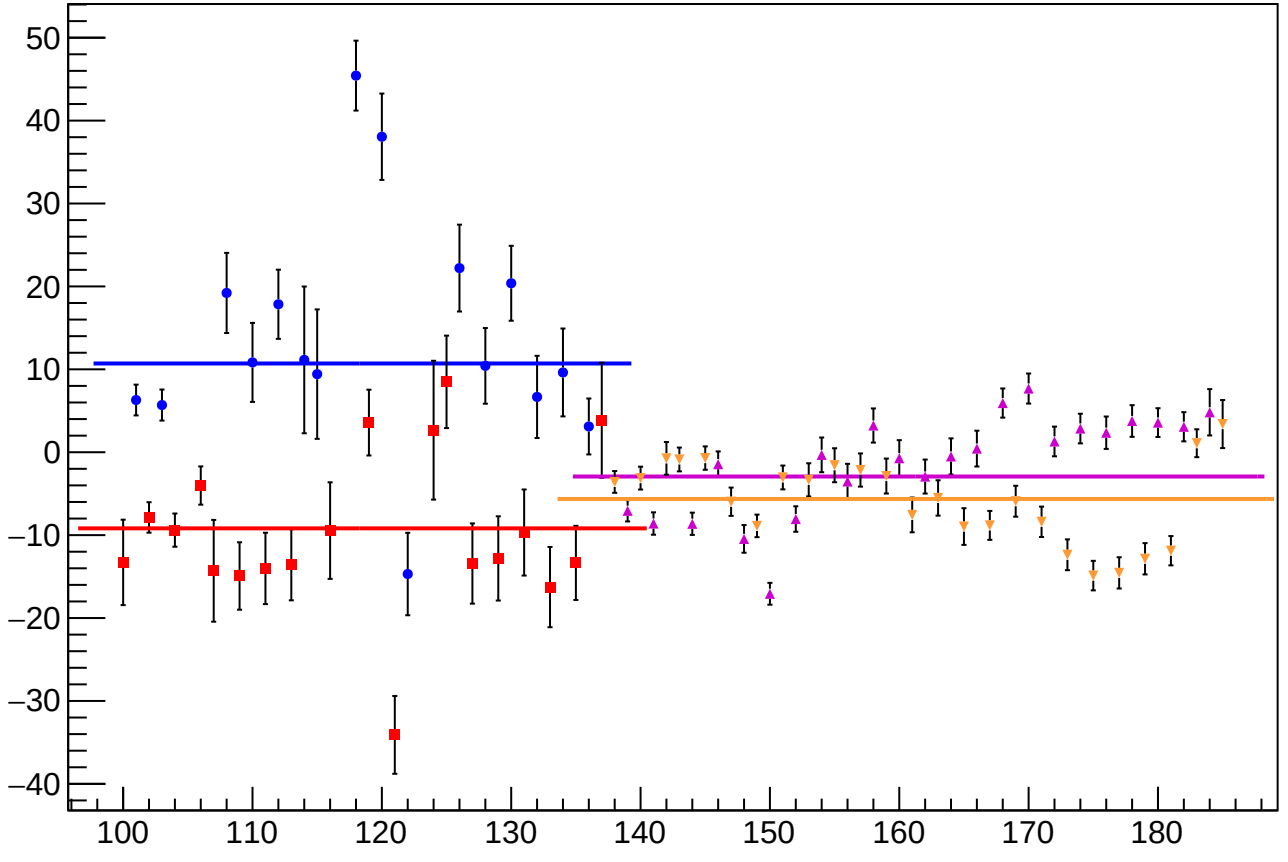
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 70596.868+/-9.771 χ^2/NDF: 927804.9/40

All: 70308.566+/-6.932 χ^2/NDF: 1831454.3/8

- 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: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

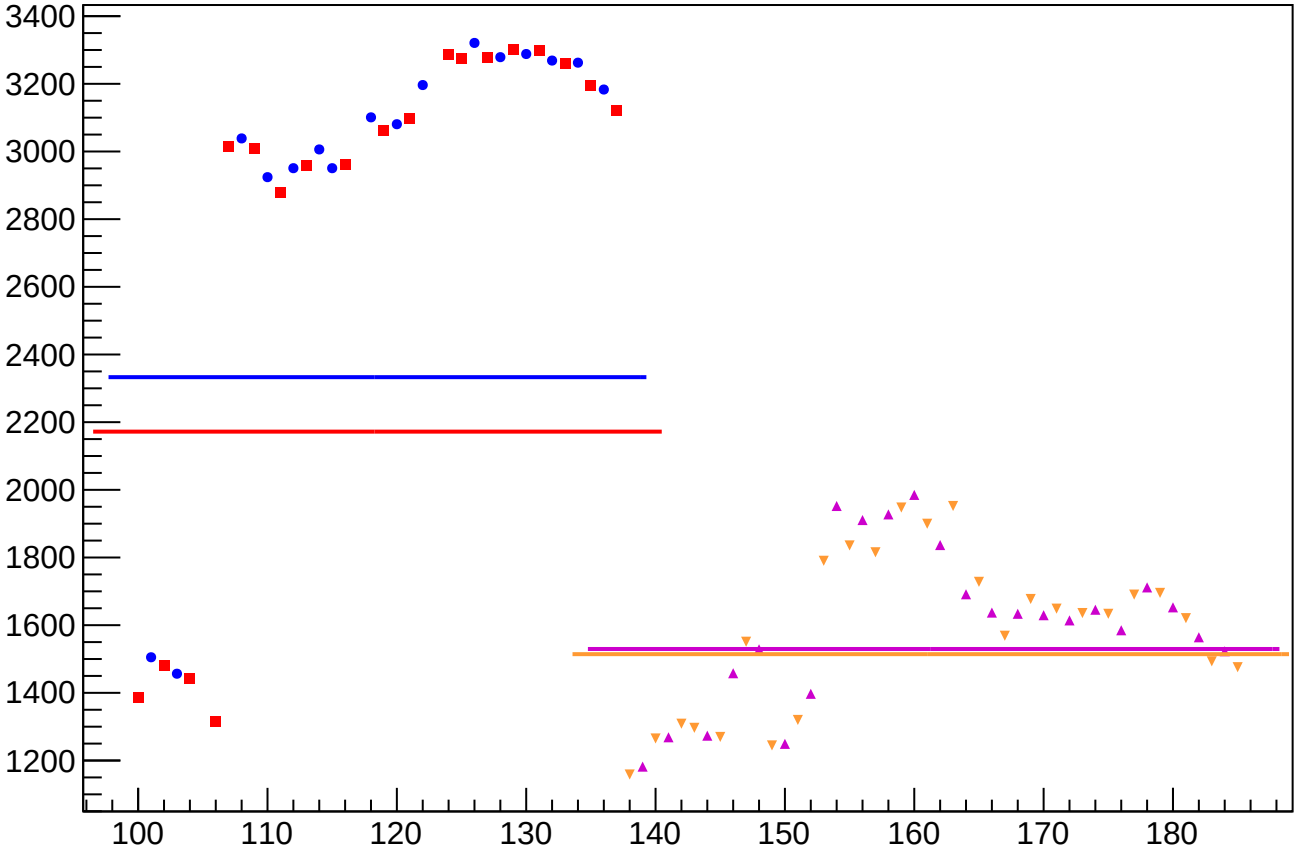
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -3.582+/-0.326 χ^2/NDF: 609.2/40

All: -3.733+/-0.233 χ^2/NDF: 1062.4/82

- 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: 1514.334+/-0.247 χ^2/NDF:933332.1/24

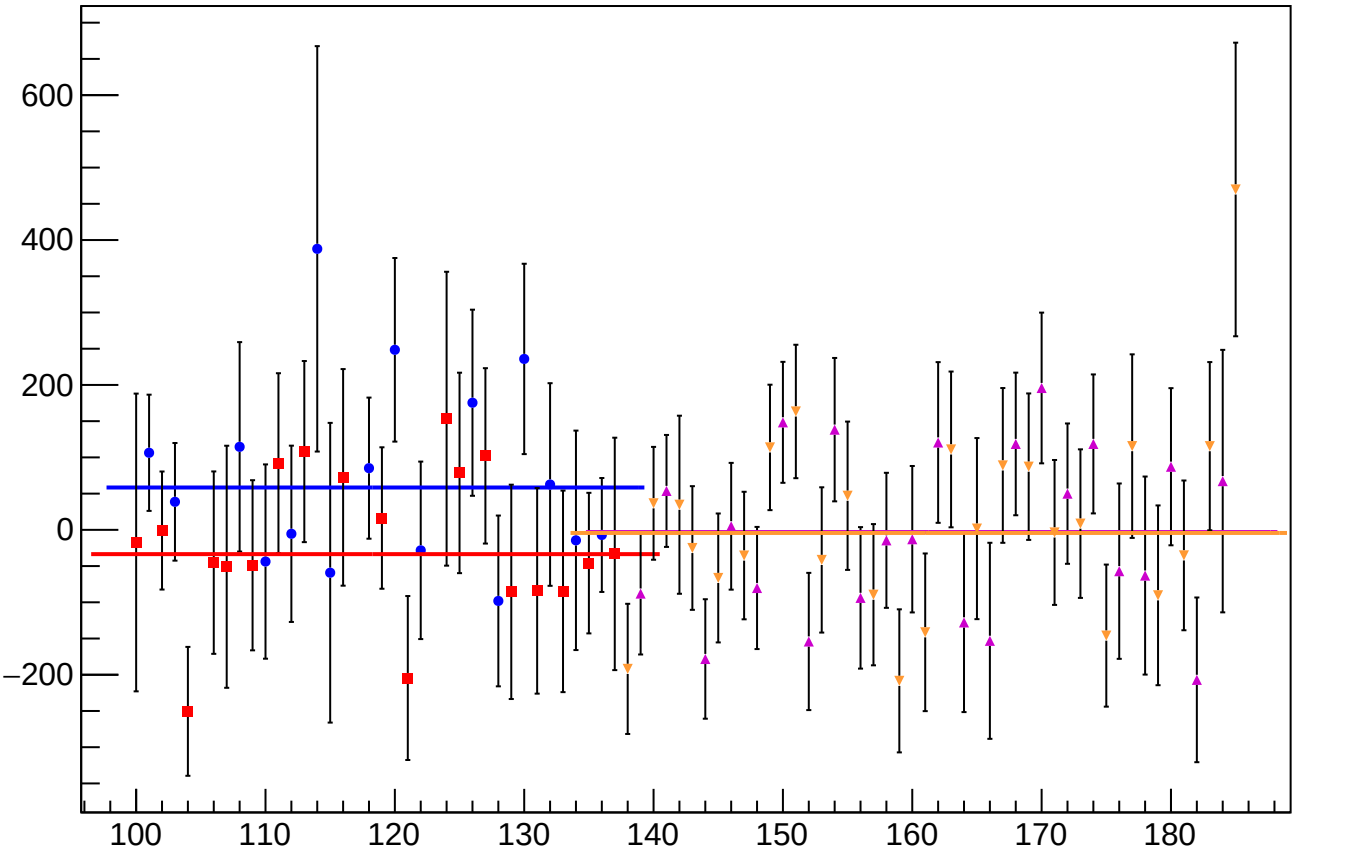
Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

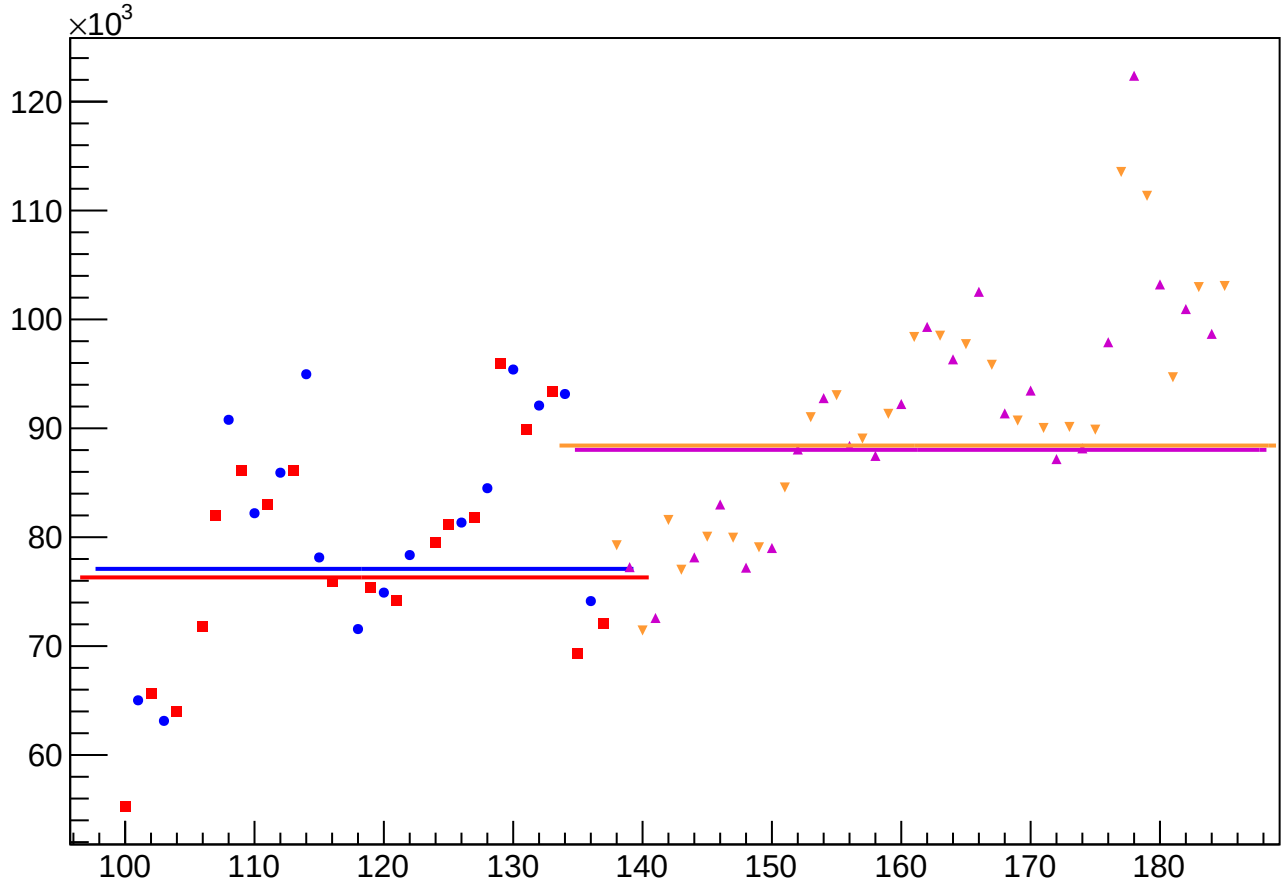
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1617.235+/-0.231 χ^2/NDF: 3967784.0/40

All: 1622.683+/-0.165 χ^2/NDF: 7748110.7/82

- sign 1628.364+/-0.236 χ^2/NDF: 3779188.3/41


diff_bpm0r05X_mean vs Slug
600
400
200
0
−200
100
110
120
130
140
150
160
170
180
Right In: 58.446+/-28.918 χ²/NDF: 11.3/15
Left Out: -4.274+/-20.240 χ²/NDF:30.4/24
Right Out: -33.520+/-28.106 χ²/NDF: 14.7/18
Left In: -3.017+/-20.720 χ²/NDF:30.7/22
+ sign 16.349+/-16.582 χ²/NDF: 44.9/40
All: 1.382+/-11.759 χ²/NDF: 92.7/82
- sign -13.757+/-16.678 χ²/NDF: 46.1/41



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

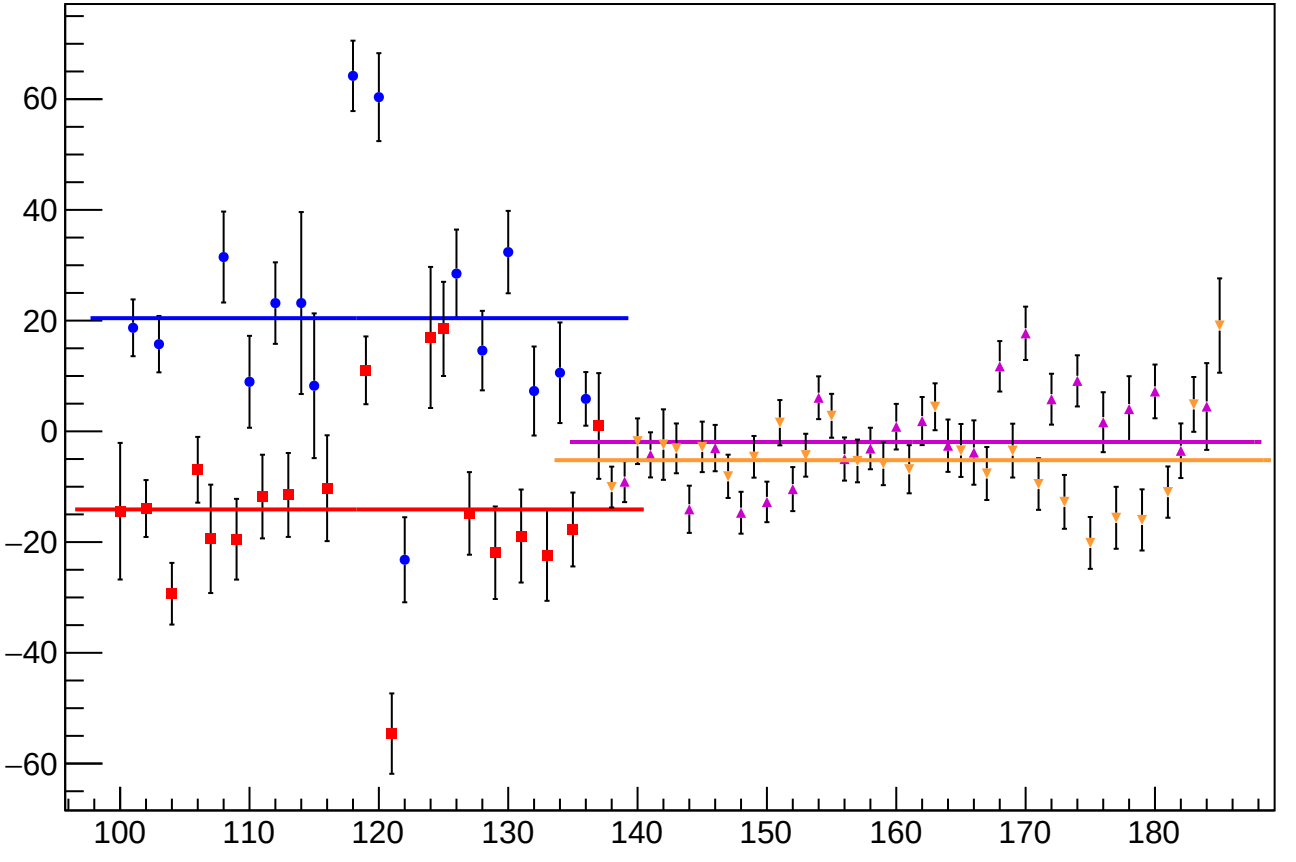
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 84694.255+/-11.725 χ^2/NDF: 936377.3/40

All: 84298.726+/-8.315 χ^2/NDF: 1883034.4/8

- 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: -5.206+/-0.894 χ^2/NDF:51.0/24

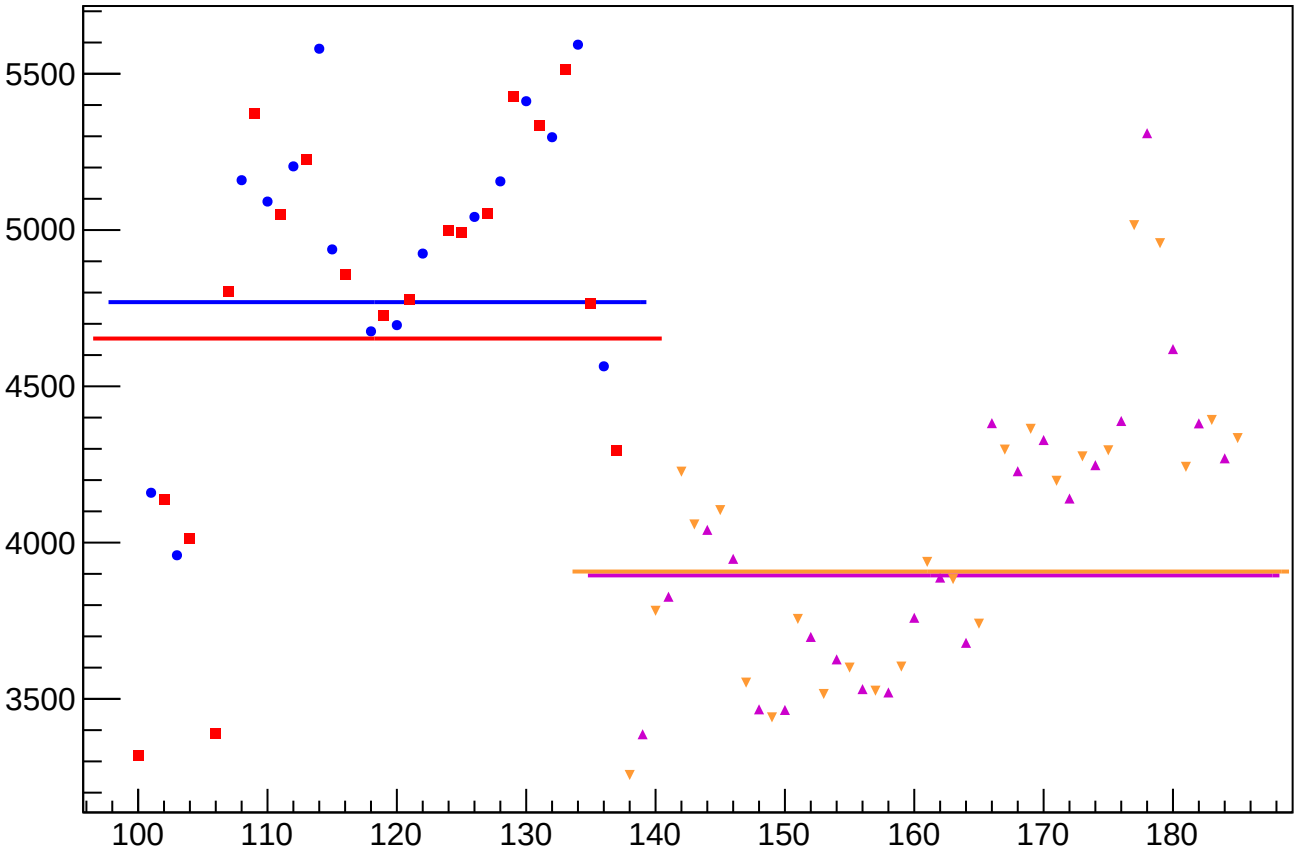
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.050+/-0.799 χ^2/NDF: 344.3/40

All: -2.315+/-0.568 χ^2/NDF: 566.9/82

- 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: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

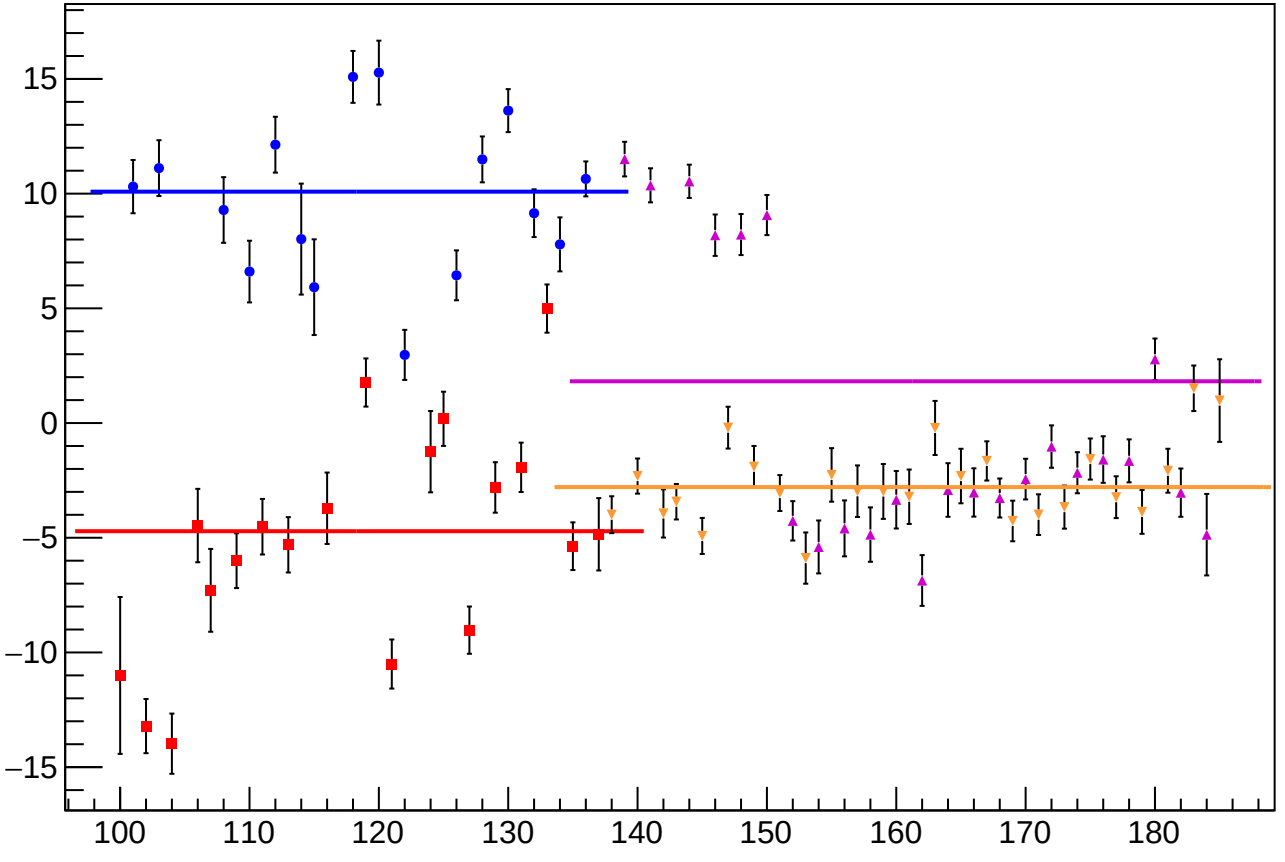
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 4080.734+/-0.565 χ^2/NDF: 966723.1/40

All: 4072.266+/-0.402 χ^2/NDF: 1946392.0/82

- sign 4063.605+/-0.571 χ^2/NDF: 979214.4/41

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

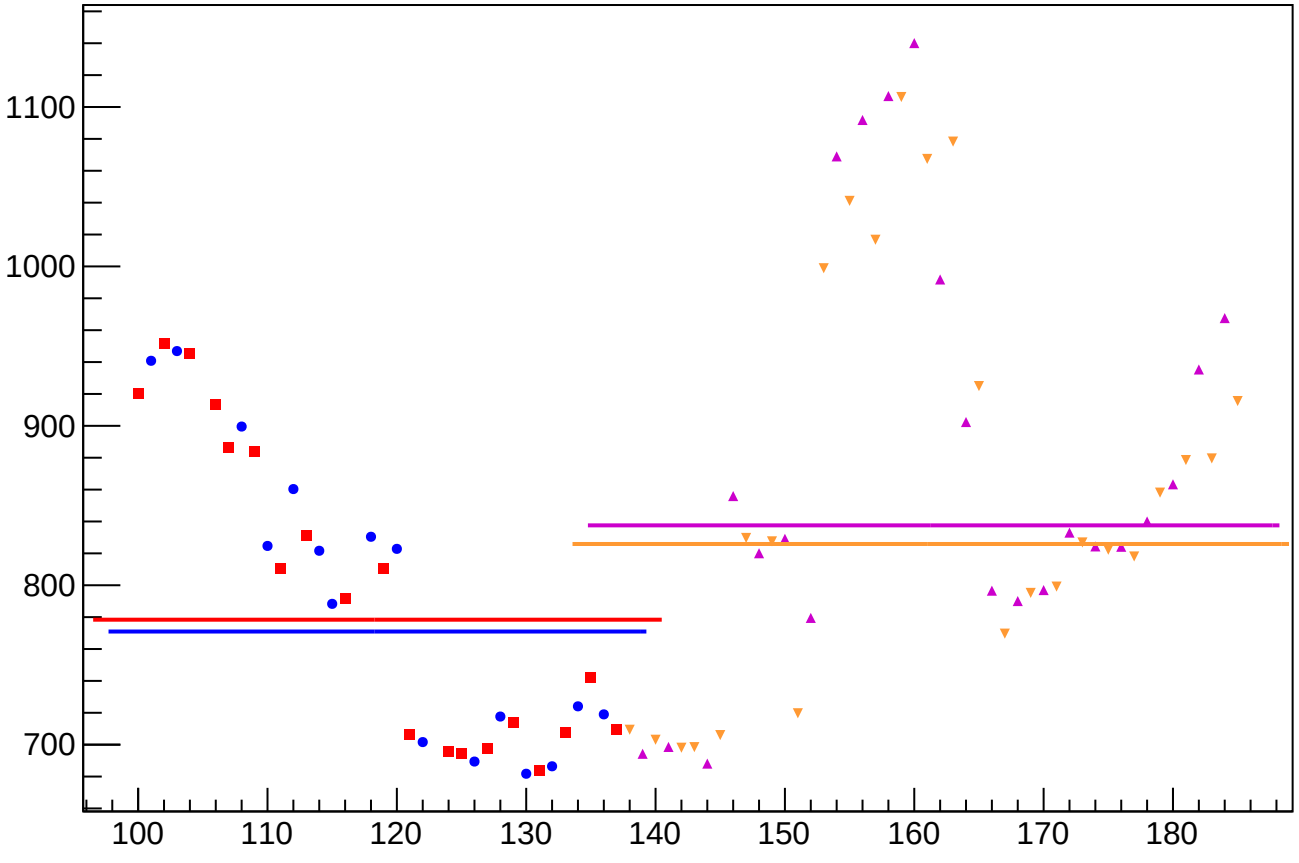
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.108+/-0.159 χ^2/NDF: 1582.8/40

All: 0.421+/-0.114 χ^2/NDF: 3310.7/82

- 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: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

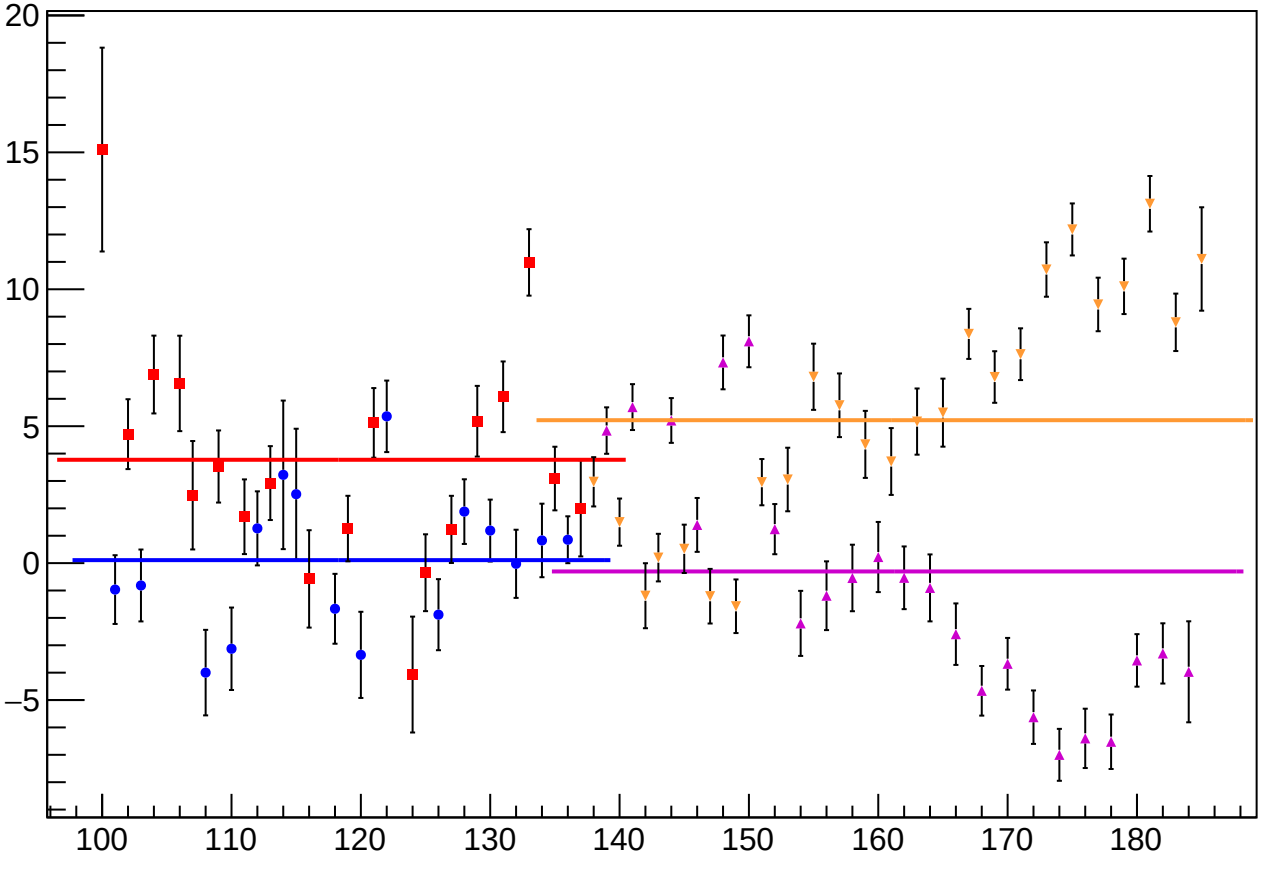
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 809.253+/-0.112 χ^2/NDF: 1008514.5/40

All: 813.686+/-0.080 χ^2/NDF: 1980331.1/82

- 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: 5.219+/-0.204 χ^2/NDF:449.9/24

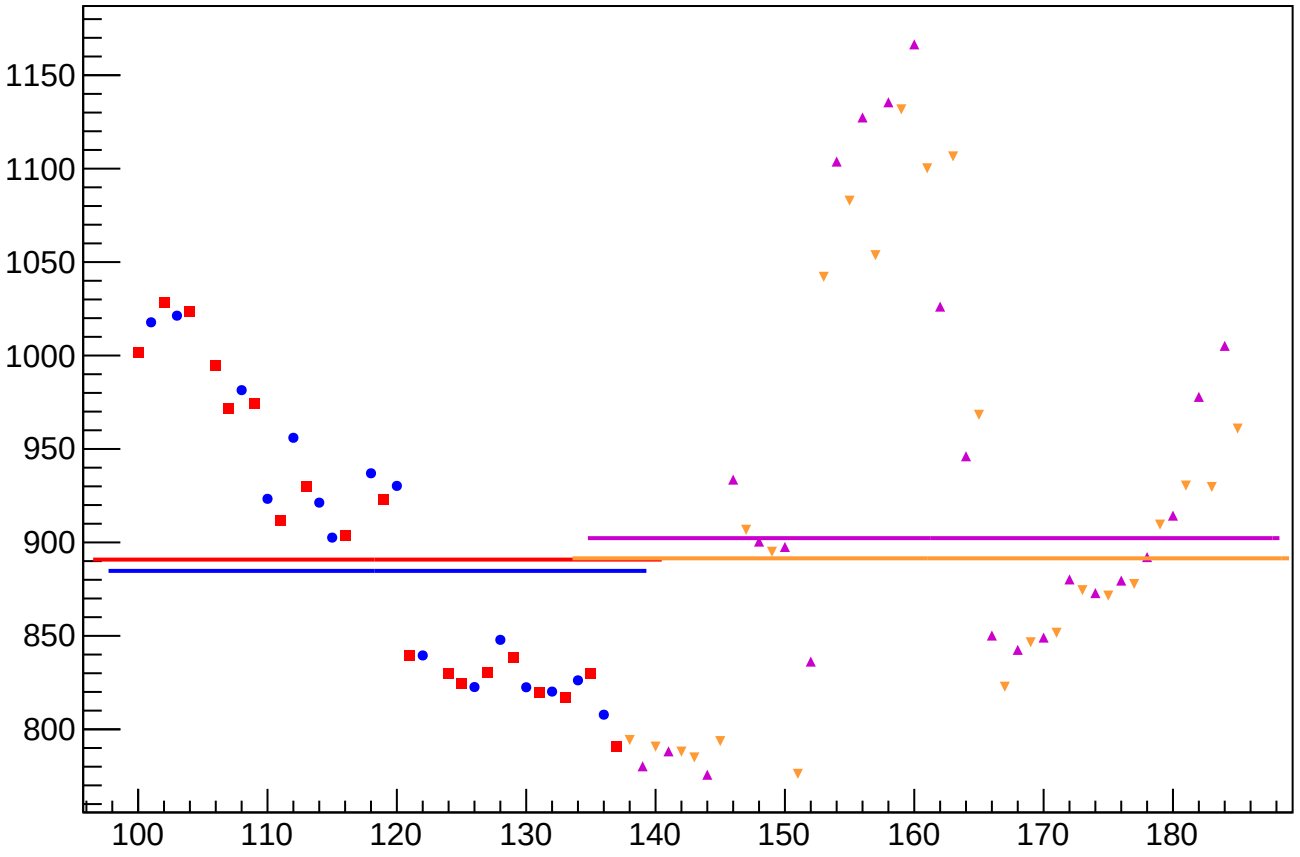
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 3.802+/-0.174 χ^2/NDF: 668.7/40

All: 2.393+/-0.124 χ^2/NDF: 1508.1/82

- sign 0.913+/-0.178 χ^2/NDF: 704.5/41



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

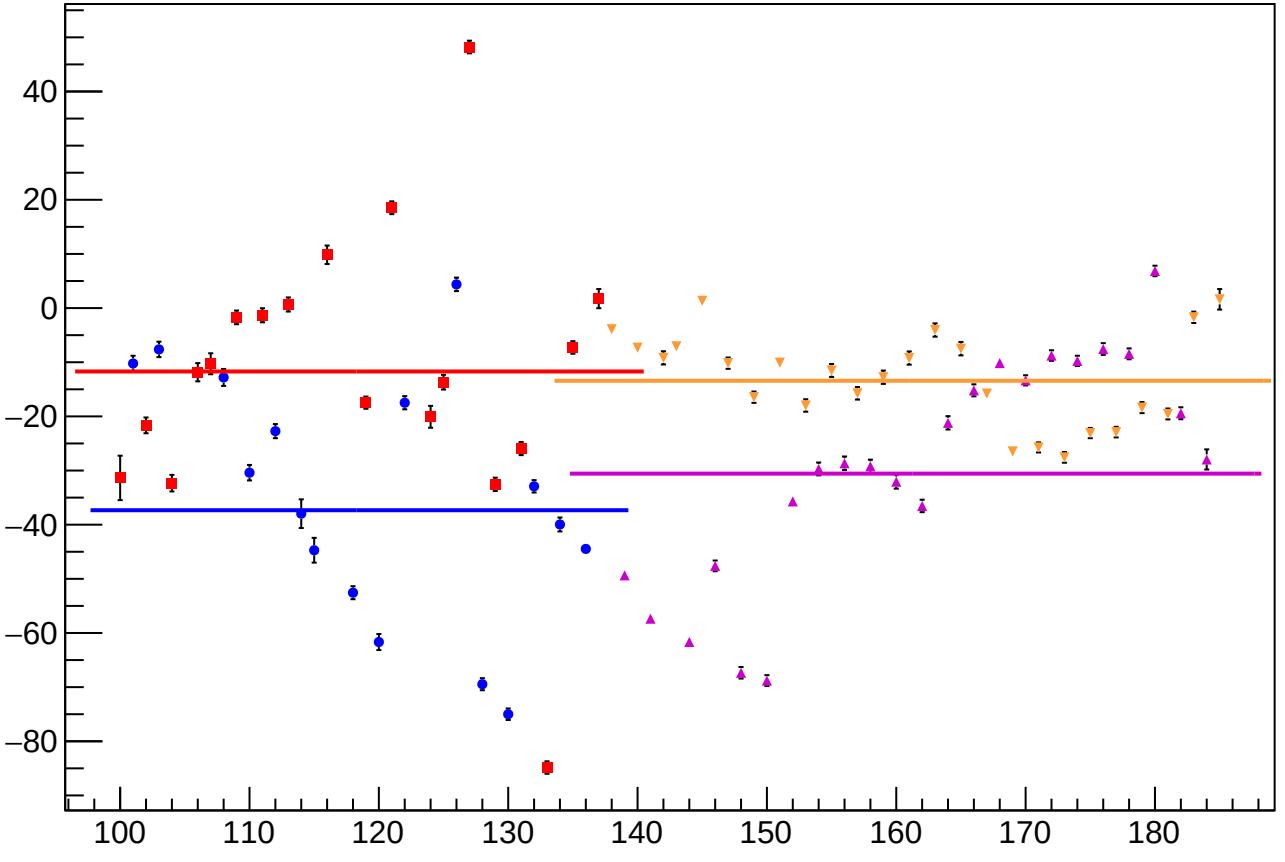
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

\+ sign 889.628+/-0.123 χ^2/NDF: 622885.2/40

All: 894.132+/-0.088 χ^2/NDF: 1220068.8/82

\- 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: -13.420+/-0.206 χ^2/NDF:1663.3/24

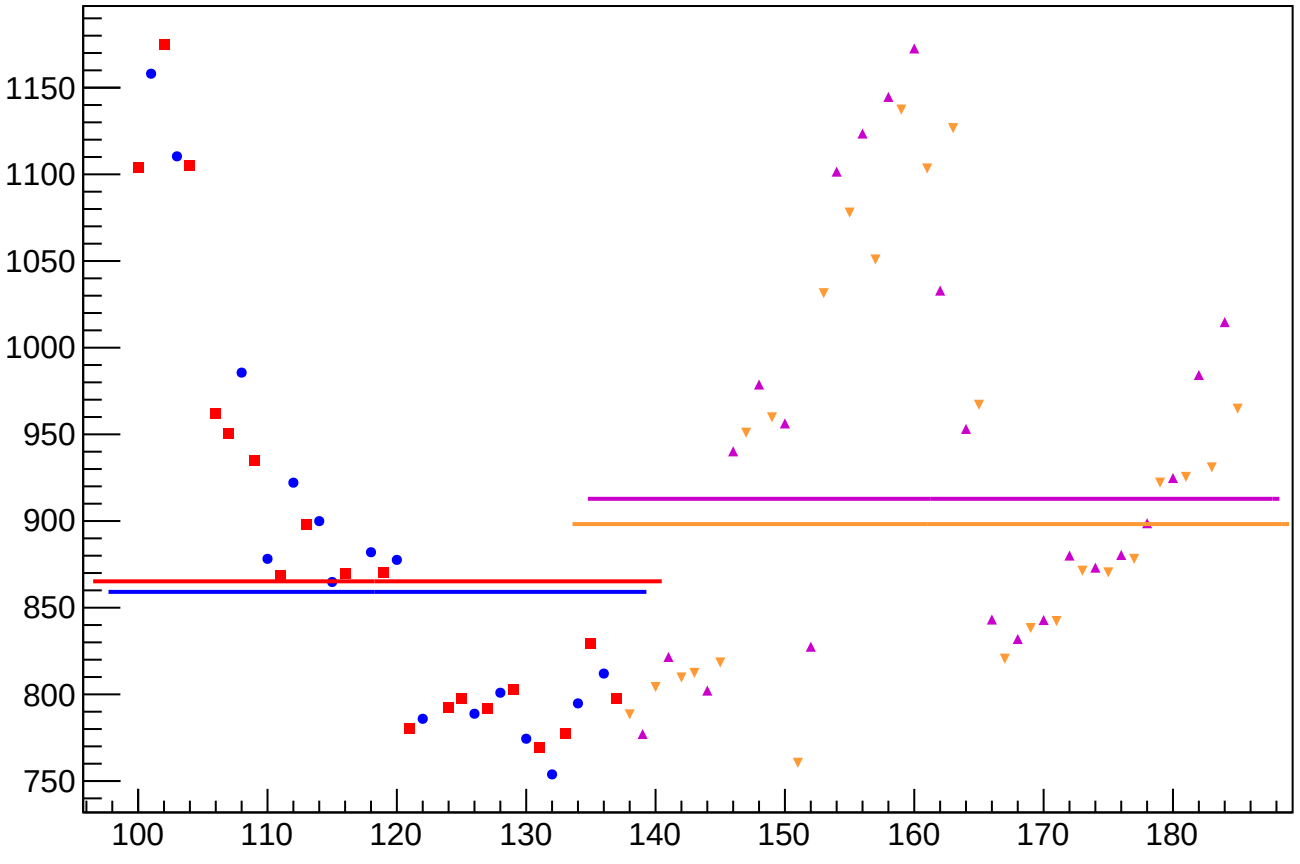
Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -20.370+/-0.173 χ^2/NDF: 10765.5/40

All: -22.450+/-0.124 χ^2/NDF: 32326.1/82

\- sign -24.644+/-0.178 χ^2/NDF: 21265.1/41



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

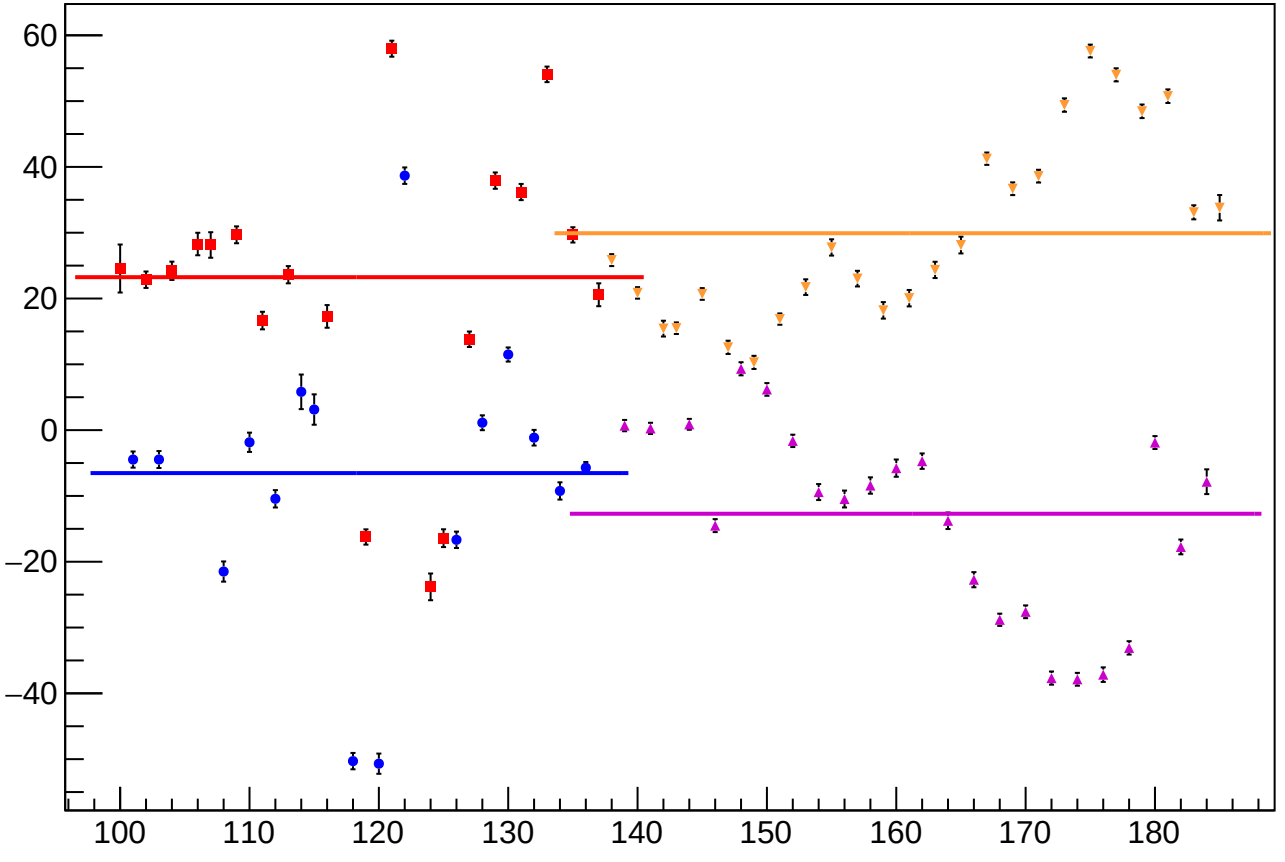
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 886.862+/-0.123 χ^2/NDF: 768034.6/40

All: 892.213+/-0.088 χ^2/NDF: 1506391.1/82

- 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: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

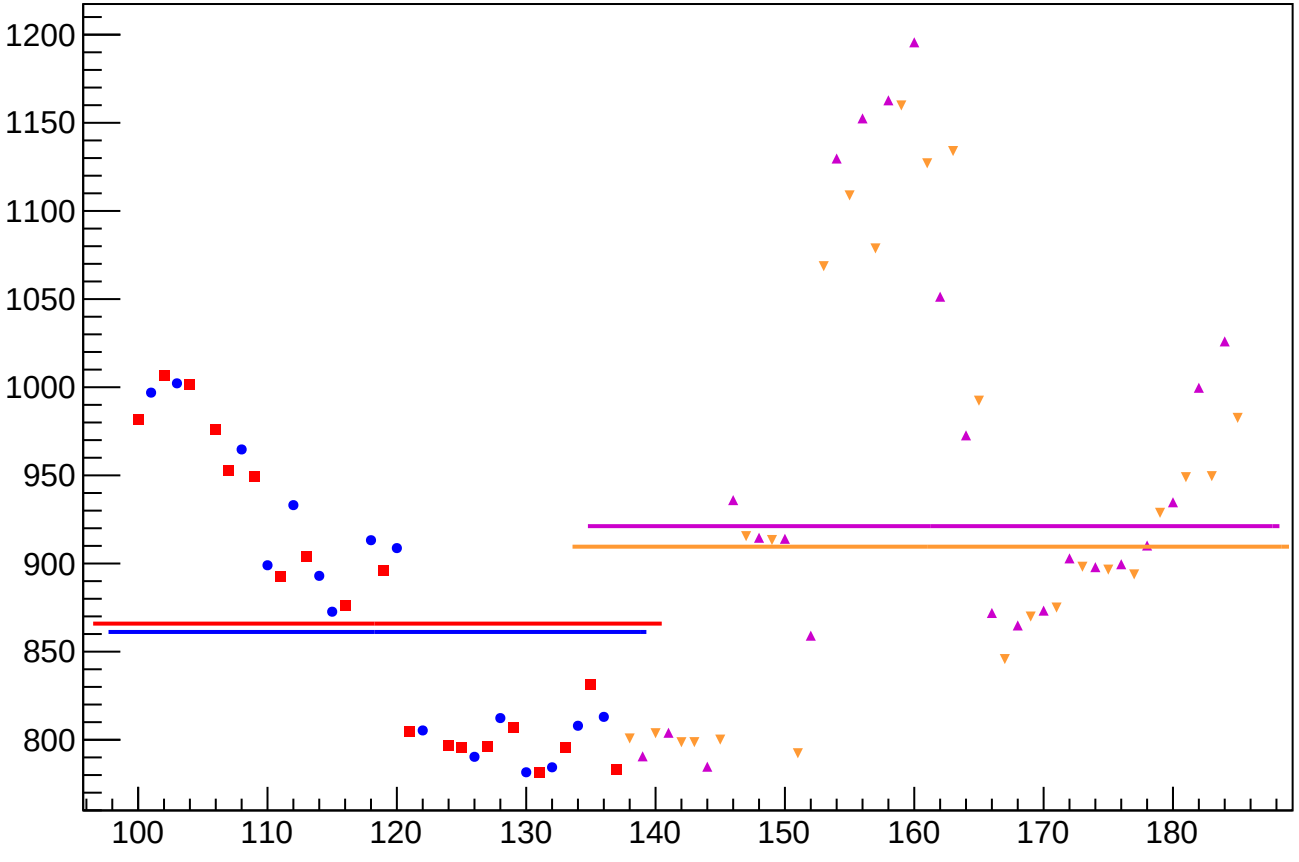
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 19.111+/-0.175 χ^2/NDF: 17585.8/40

All: 9.184+/-0.125 χ^2/NDF: 42200.8/82

- 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: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

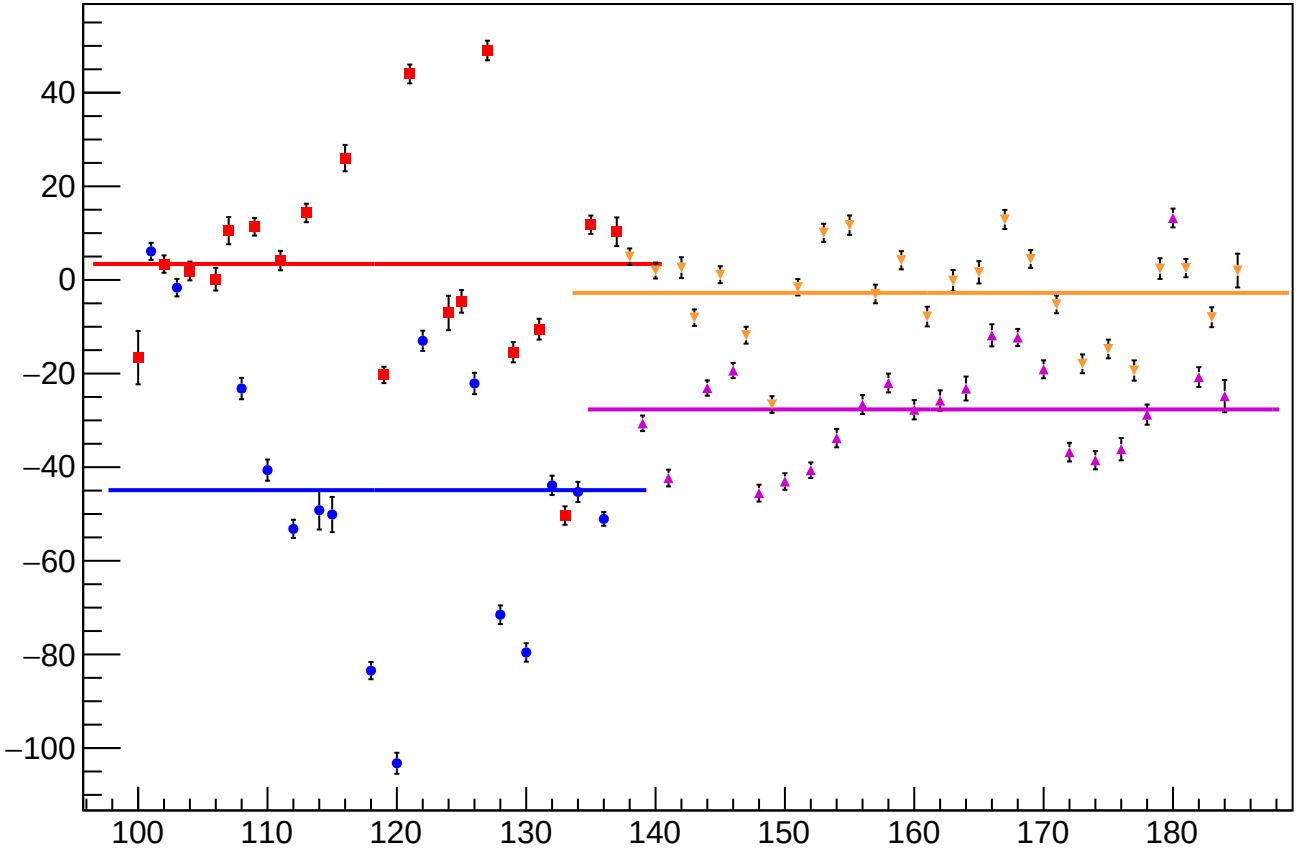
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 895.202+/-0.124 χ^2/NDF: 687161.7/40

All: 899.273+/-0.088 χ^2/NDF: 1346547.1/82

- sign 903.543+/-0.127 χ^2/NDF: 657165.8/41

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

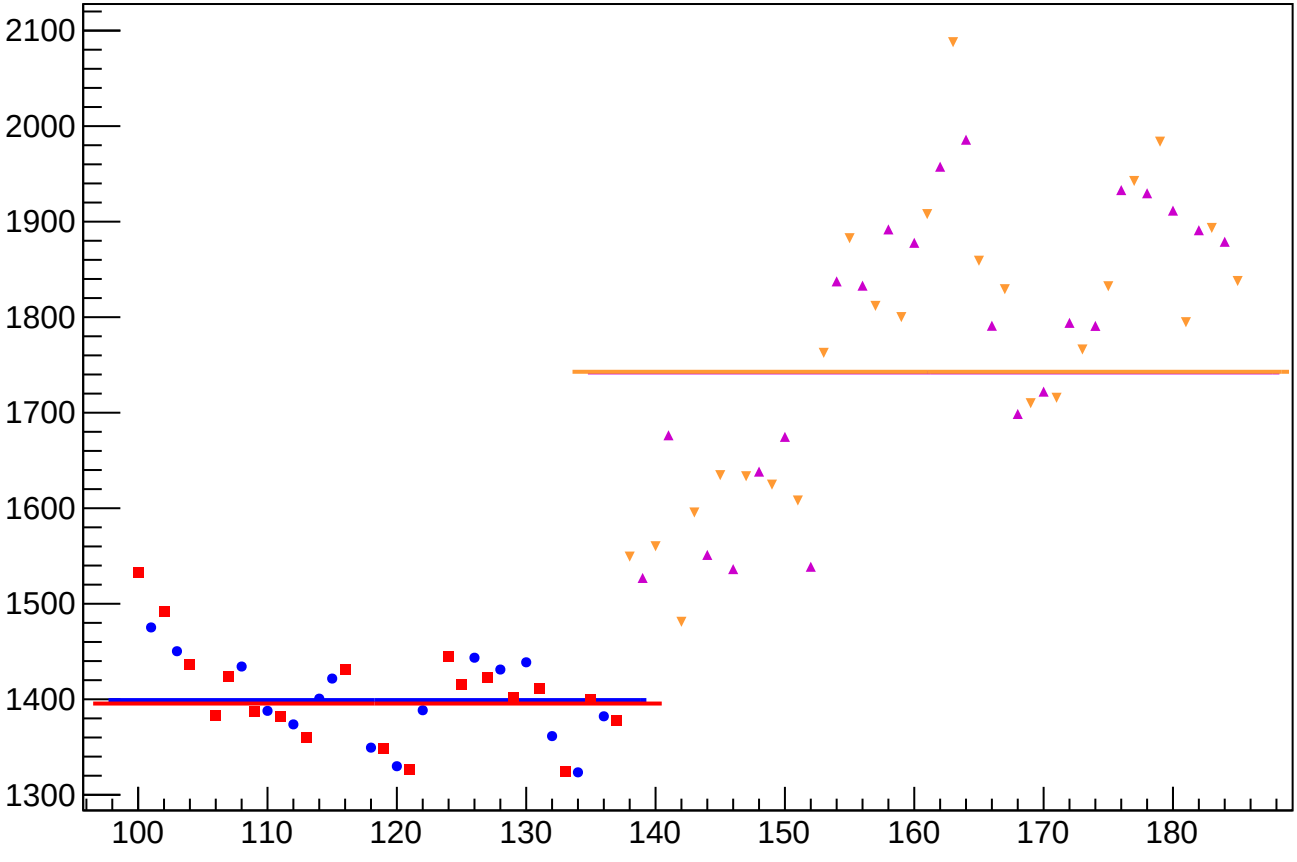
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -18.308+/-0.316 χ^2/NDF: 8140.0/40

All: -16.909+/-0.224 χ^2/NDF: 13537.5/82

- 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: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

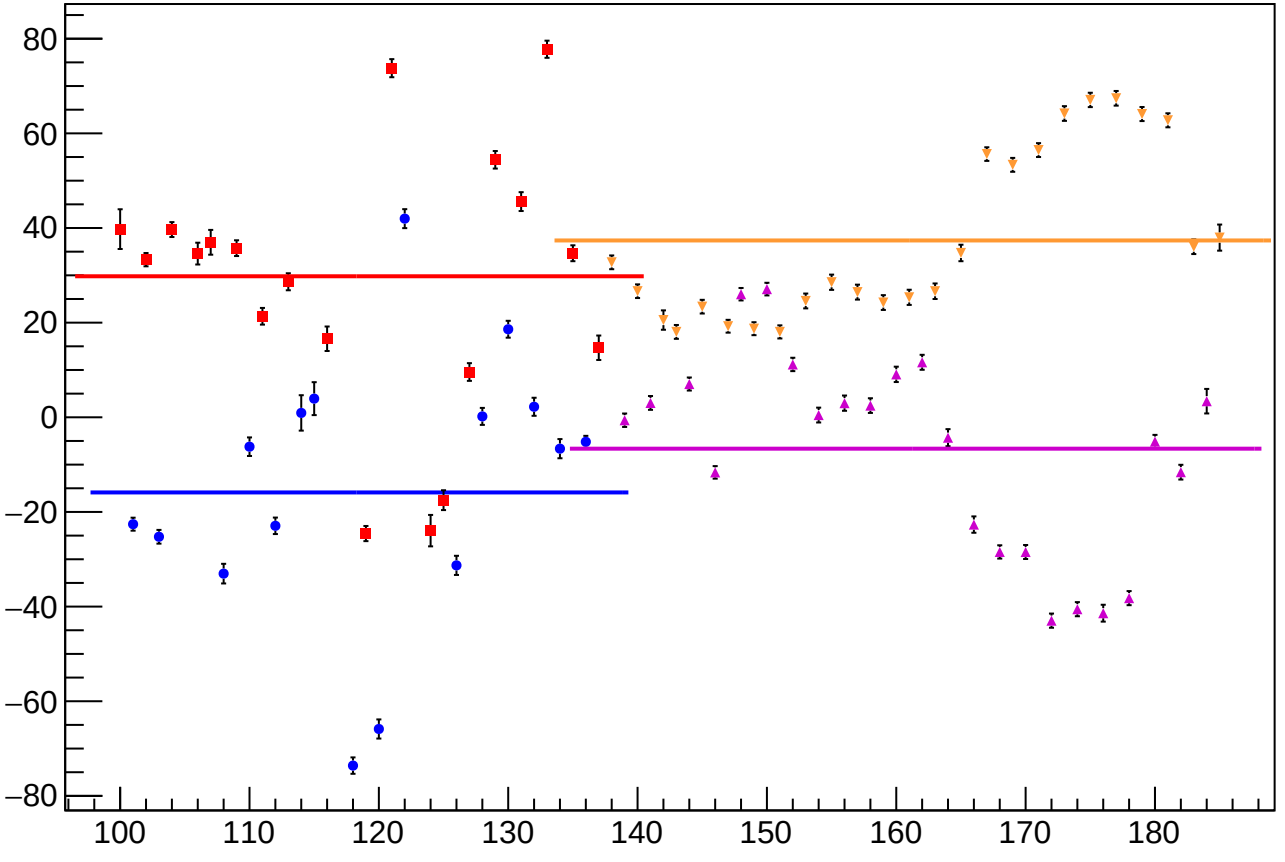
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1616.093+/-0.223 χ^2/NDF: 829580.0/40

All: 1611.255+/-0.159 χ^2/NDF: 1672004.9/82

- 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: 37.369+/-0.308 χ^2/NDF:3395.8/24

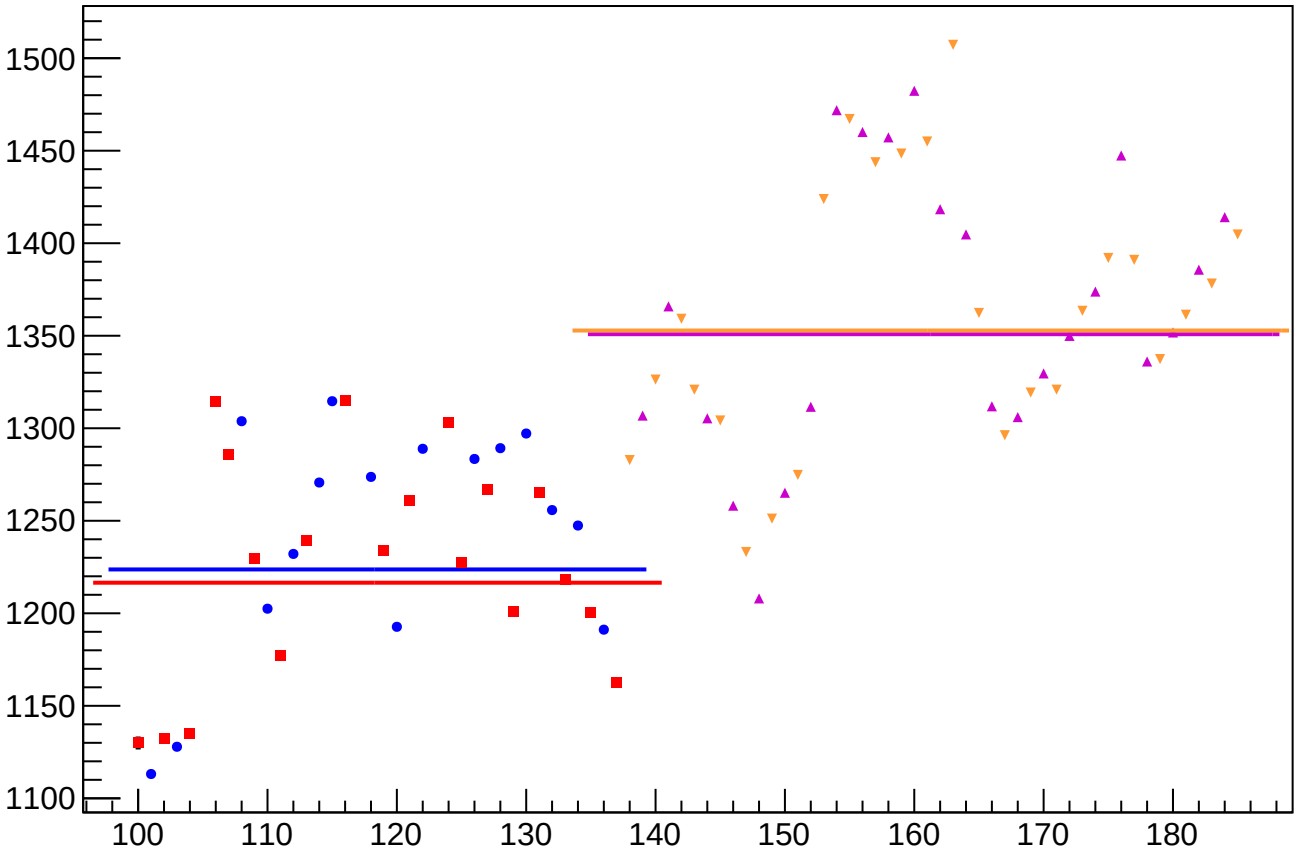
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.659+/-0.255 χ^2/NDF: 16260.9/40

All: 13.208+/-0.181 χ^2/NDF: 30540.2/82

- sign 5.609+/-0.258 χ^2/NDF: 12555.1/41



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

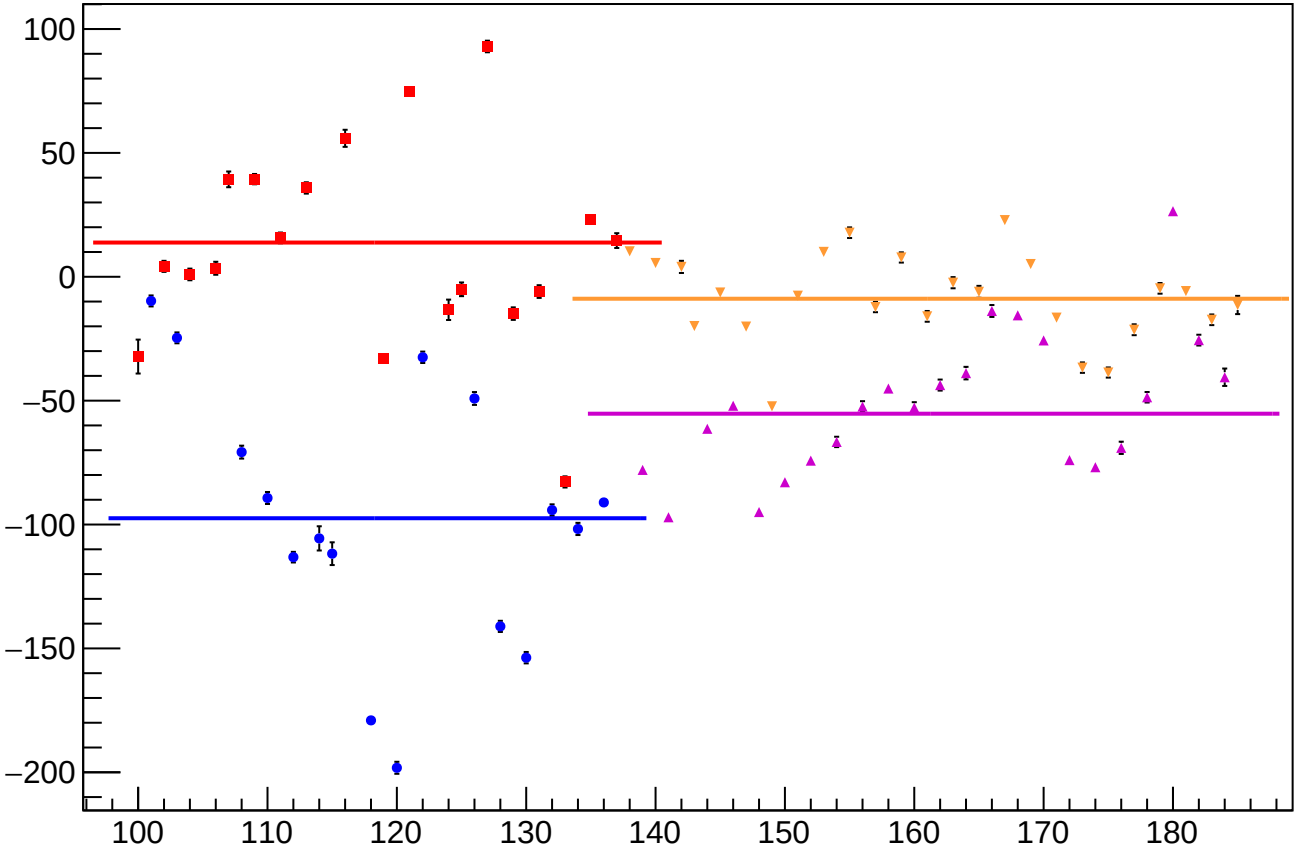
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1312.301+/-0.180 χ^2/NDF: 256127.0/40

All: 1309.038+/-0.128 χ^2/NDF: 516093.2/82

- sign 1305.710+/-0.182 χ^2/NDF: 259305.0/41

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

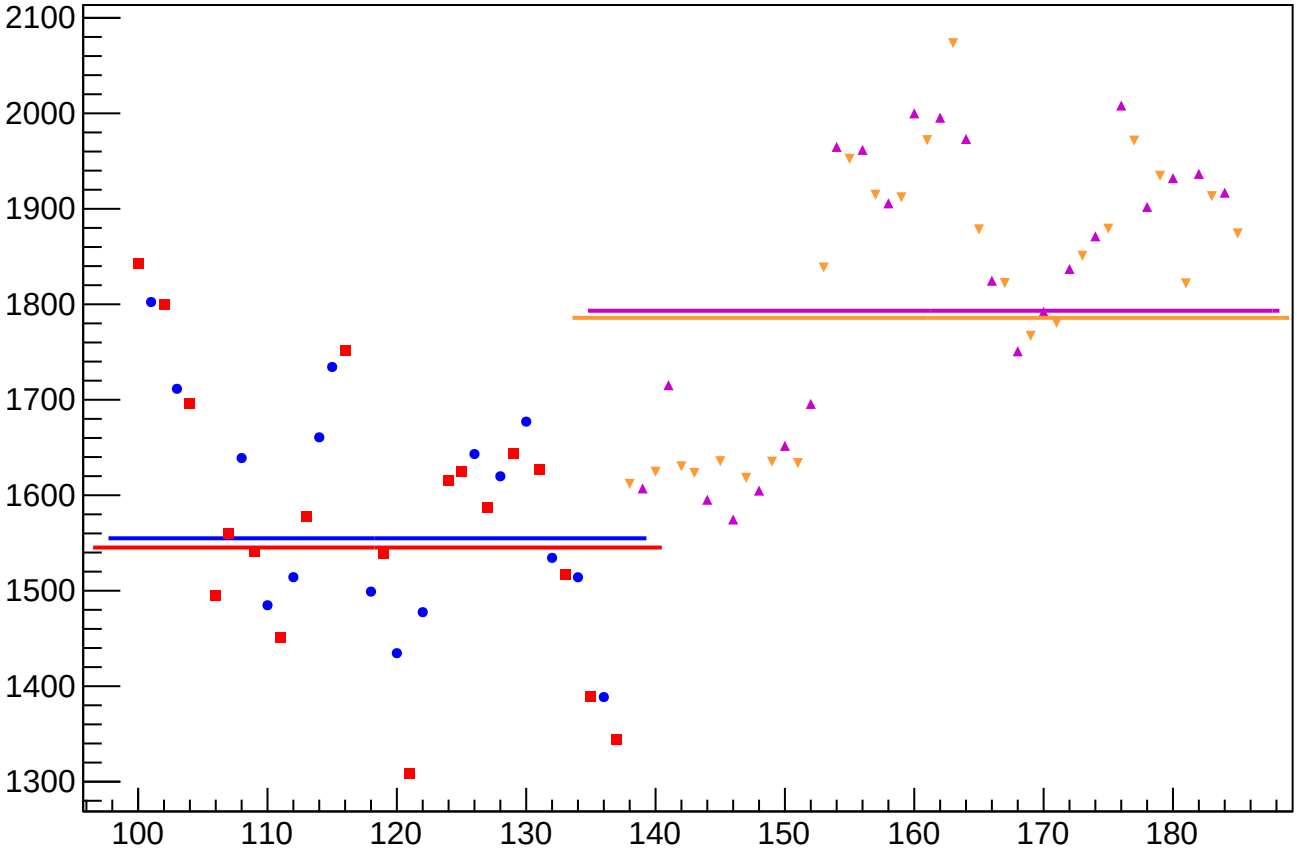
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -38.147+/-0.333 χ^2/NDF: 25904.1/40

All: -34.462+/-0.237 χ^2/NDF: 45847.0/82

- 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: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

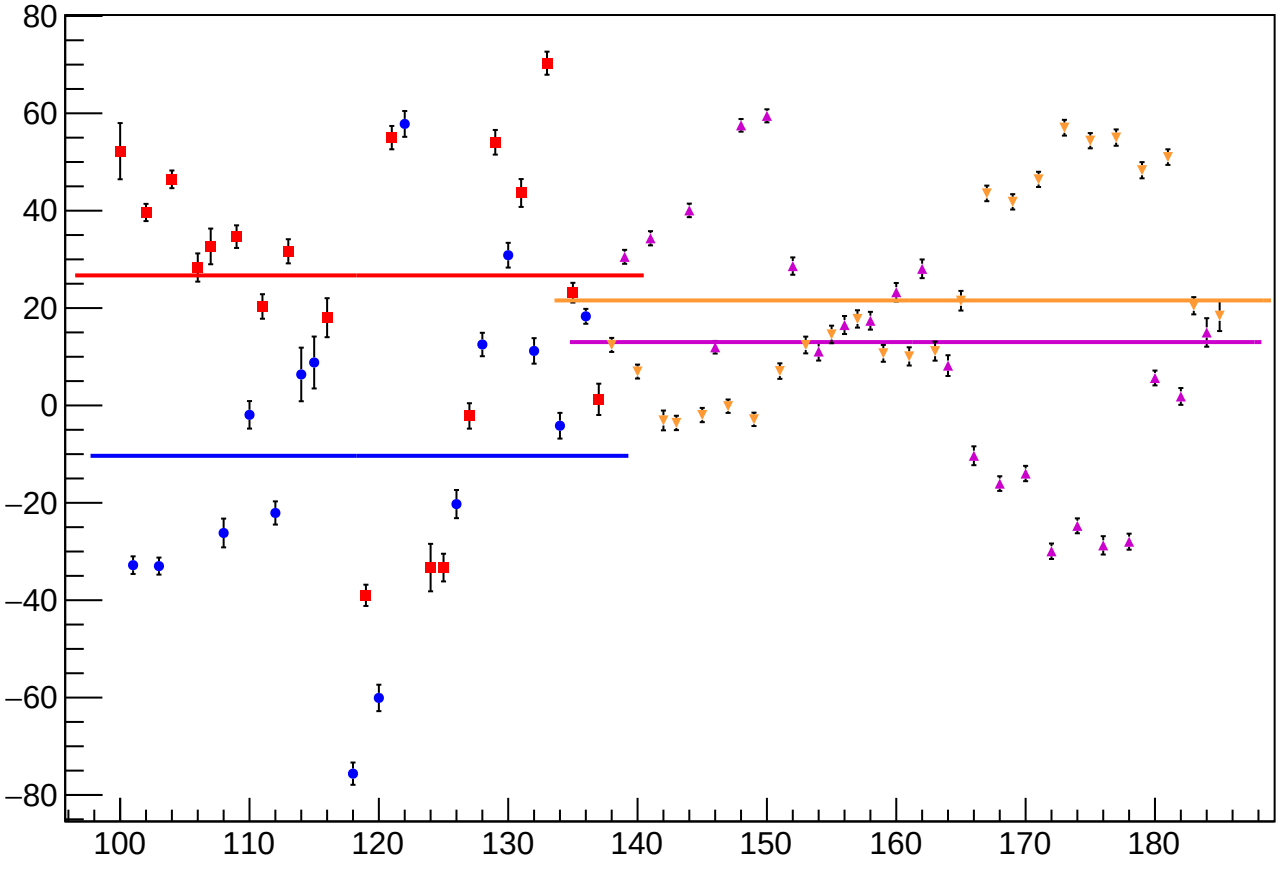
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1709.496+/-0.236 χ^2/NDF: 537821.3/40

All: 1707.269+/-0.168 χ^2/NDF: 1147208.6/82

- sign 1704.984+/-0.239 χ^2/NDF: 609206.2/41

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

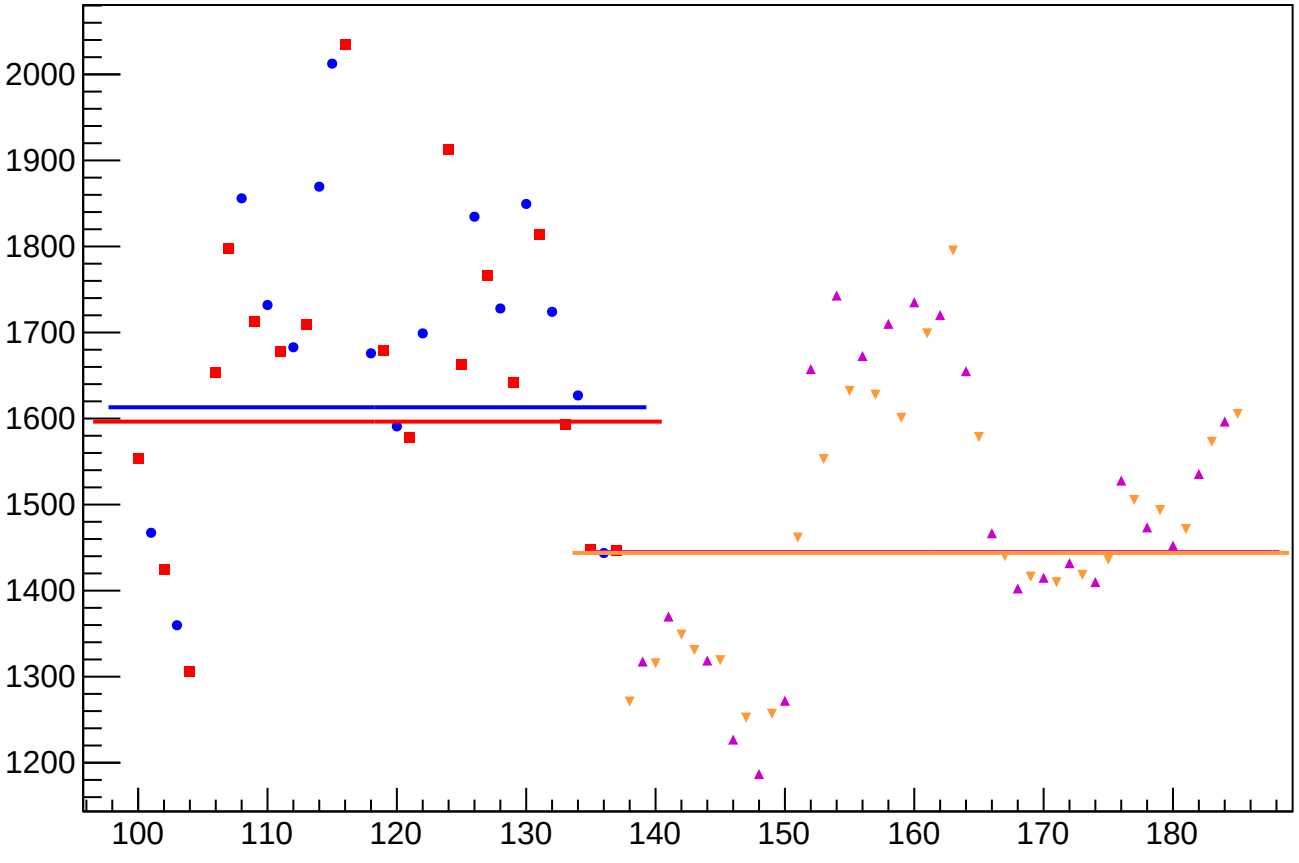
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 14.217+/-0.289 χ^2/NDF: 9322.4/40

All: 15.321+/-0.206 χ^2/NDF: 18928.2/82

- 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: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

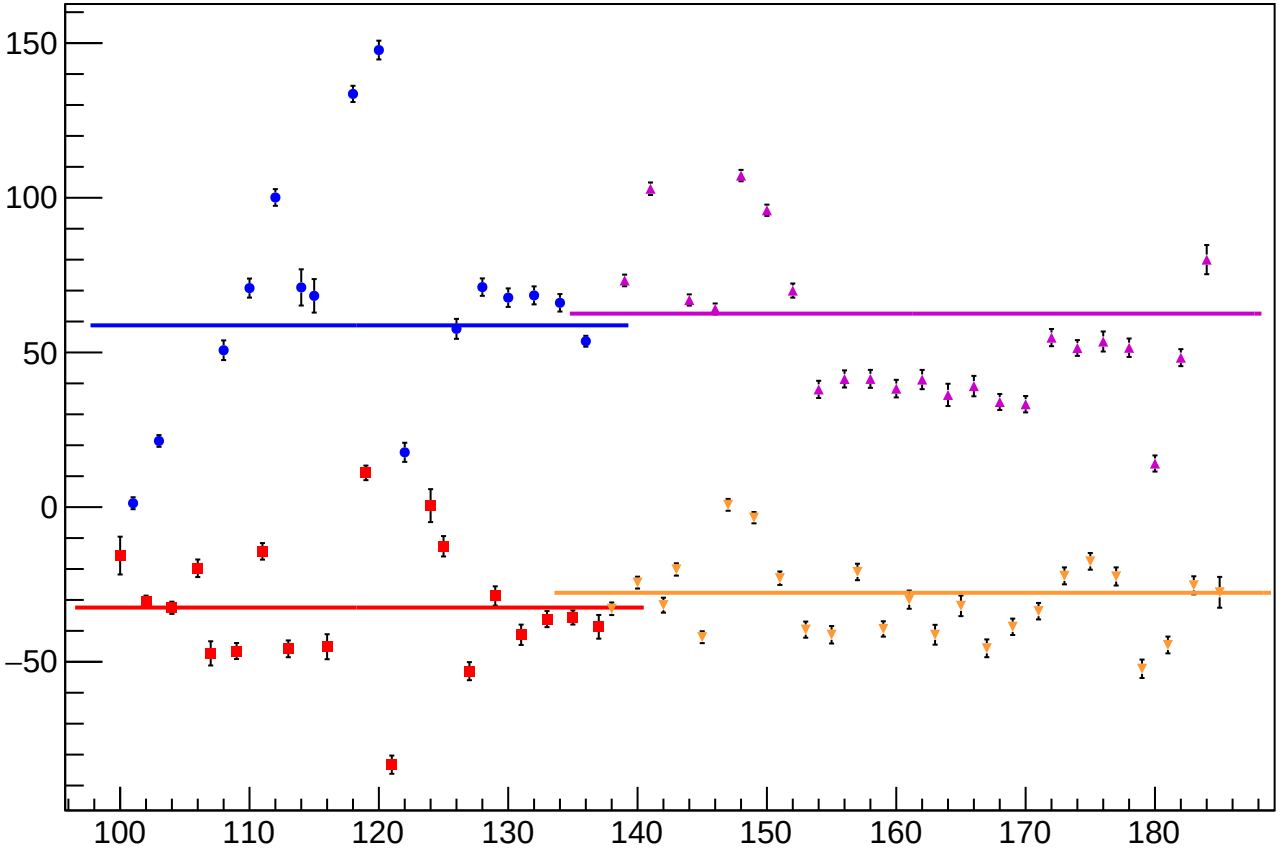
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1482.809+/-0.205 χ^2/NDF: 628354.7/40

All: 1482.891+/-0.146 χ^2/NDF: 1374379.4/82

- 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: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

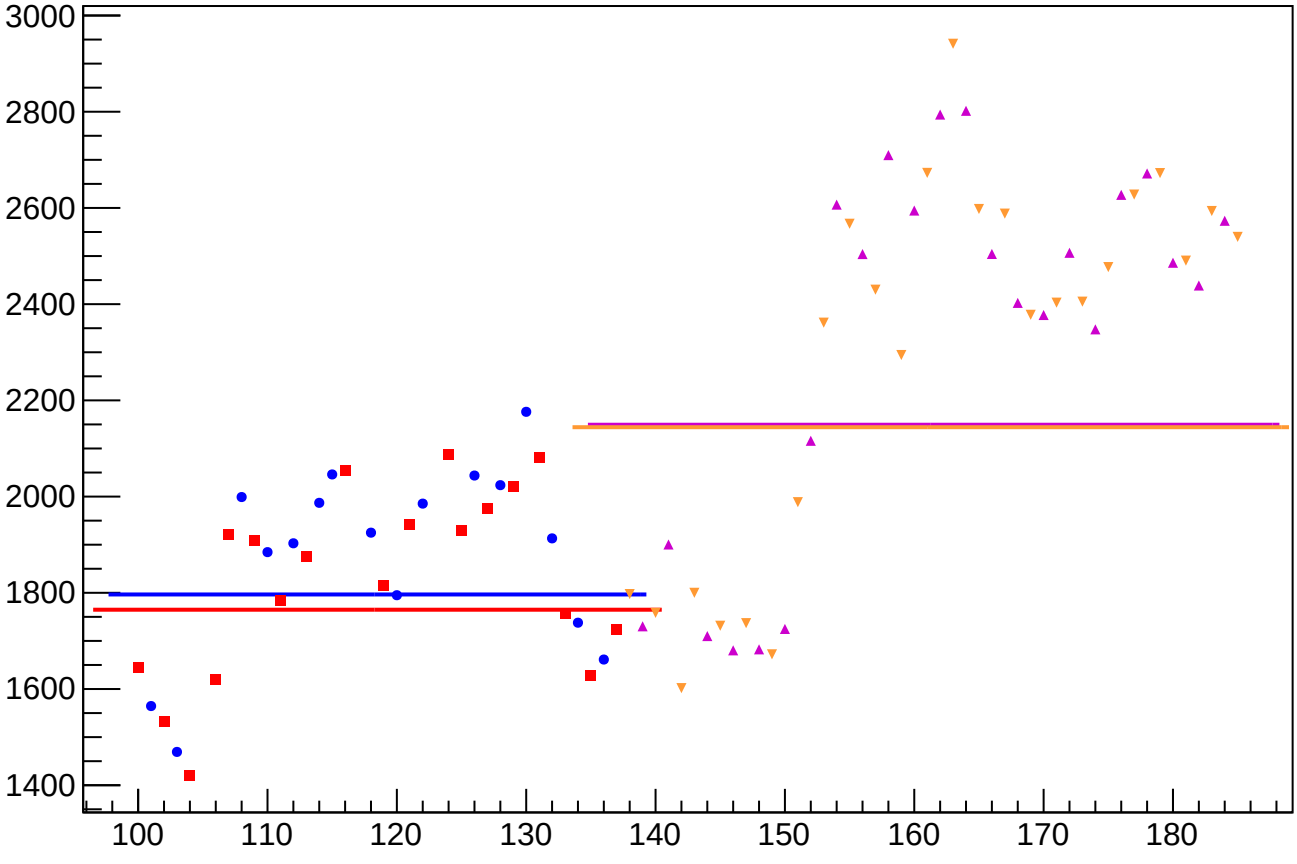
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 2.772+/-0.399 χ^2/NDF: 14913.8/40

All: 14.356+/-0.283 χ^2/NDF: 33230.7/82

- 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: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

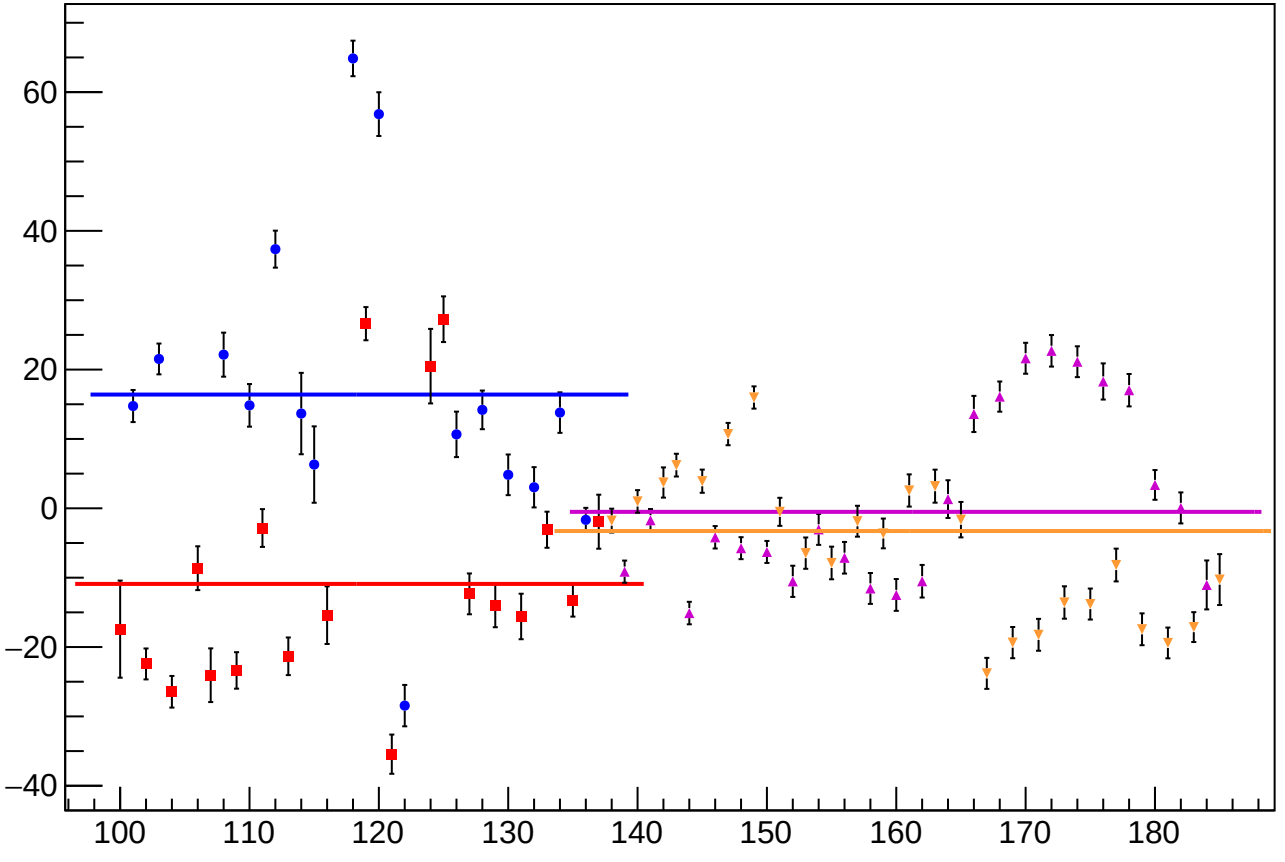
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2021.709+/-0.282 χ^2/NDF: 1819242.7/40

All: 2011.811+/-0.200 χ^2/NDF: 3710735.2/82

- 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: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

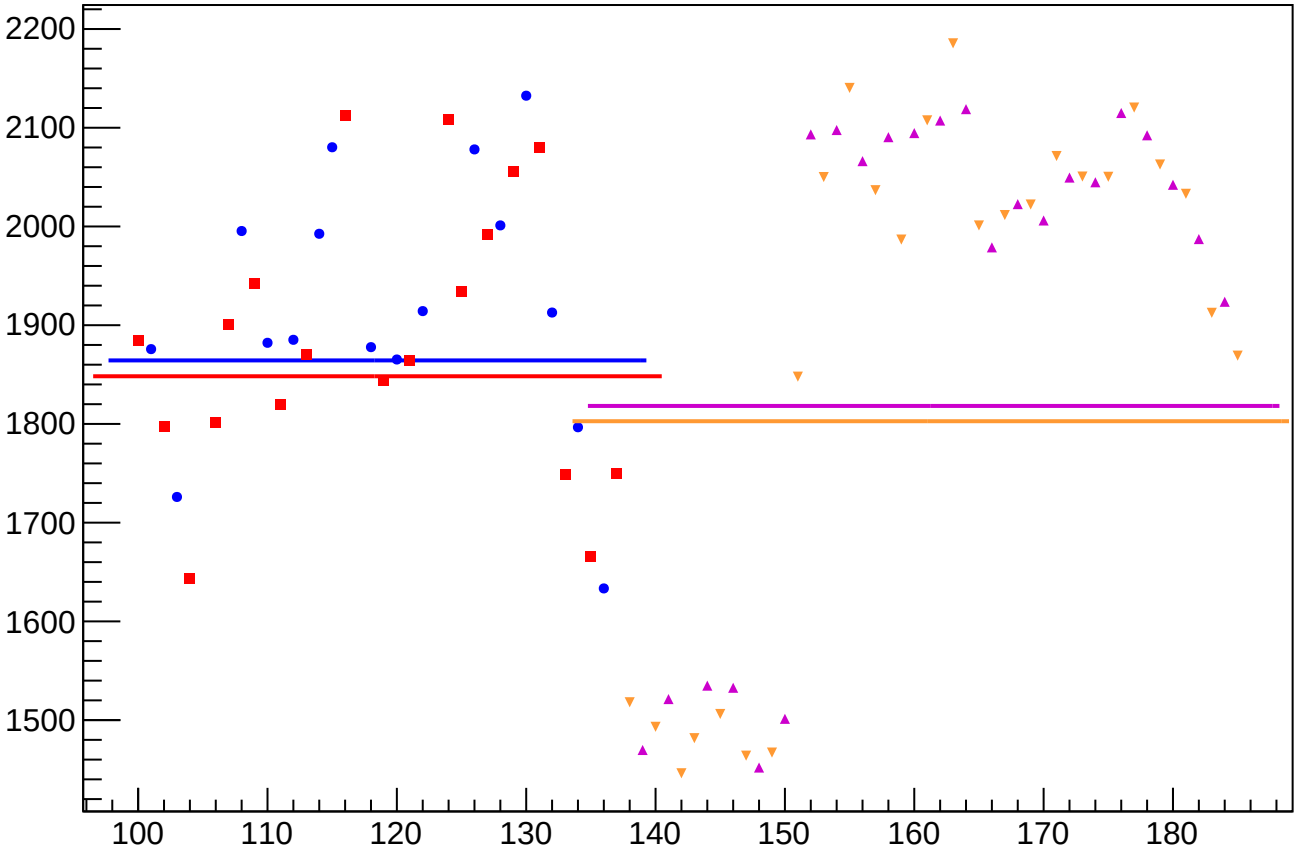
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.890+/-0.356 χ^2/NDF: 2235.2/40

All: -0.755+/-0.254 χ^2/NDF: 3903.2/82

- 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: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

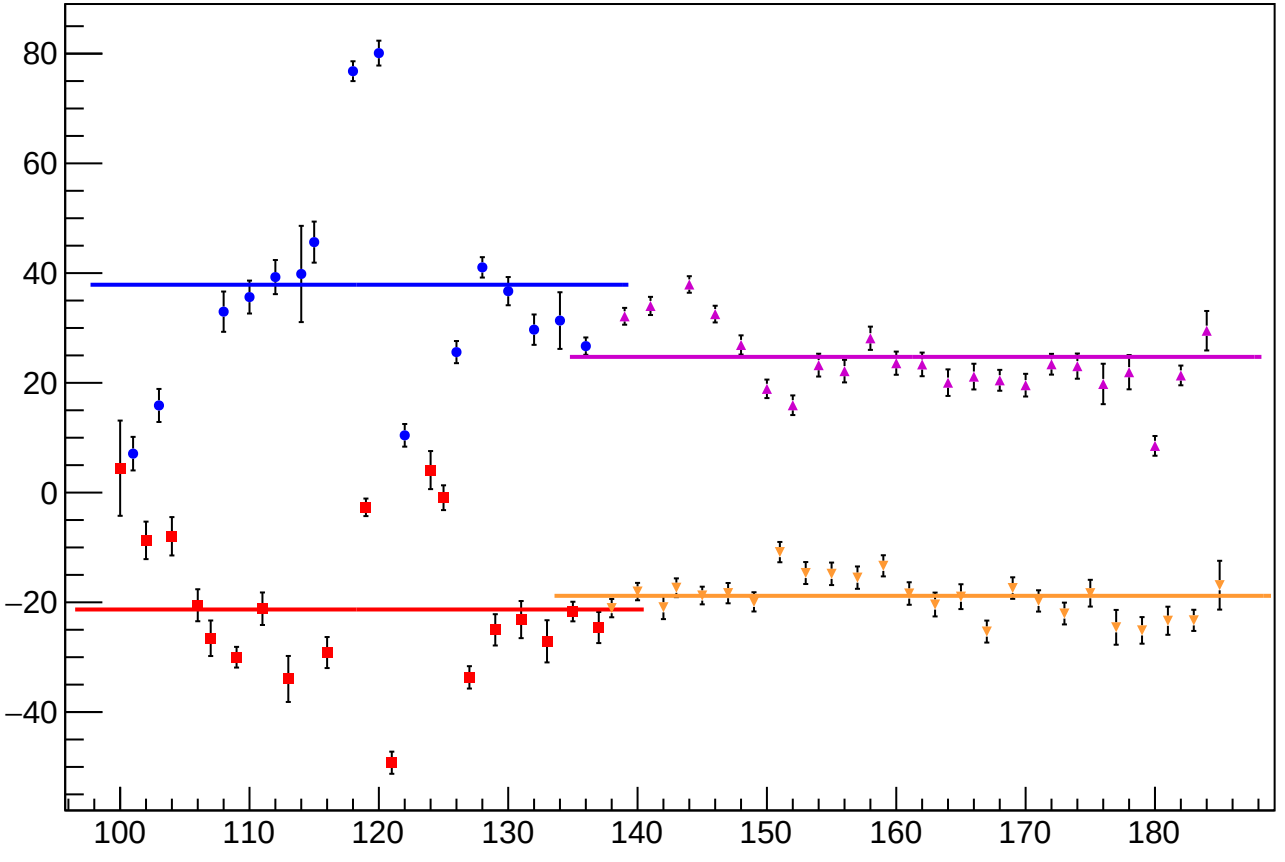
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1818.916+/-0.252 χ^2/NDF: 992269.7/40

All: 1822.821+/-0.180 χ^2/NDF: 1910884.3/82

- 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: -18.816+/-0.402 χ^2/NDF:74.9/24

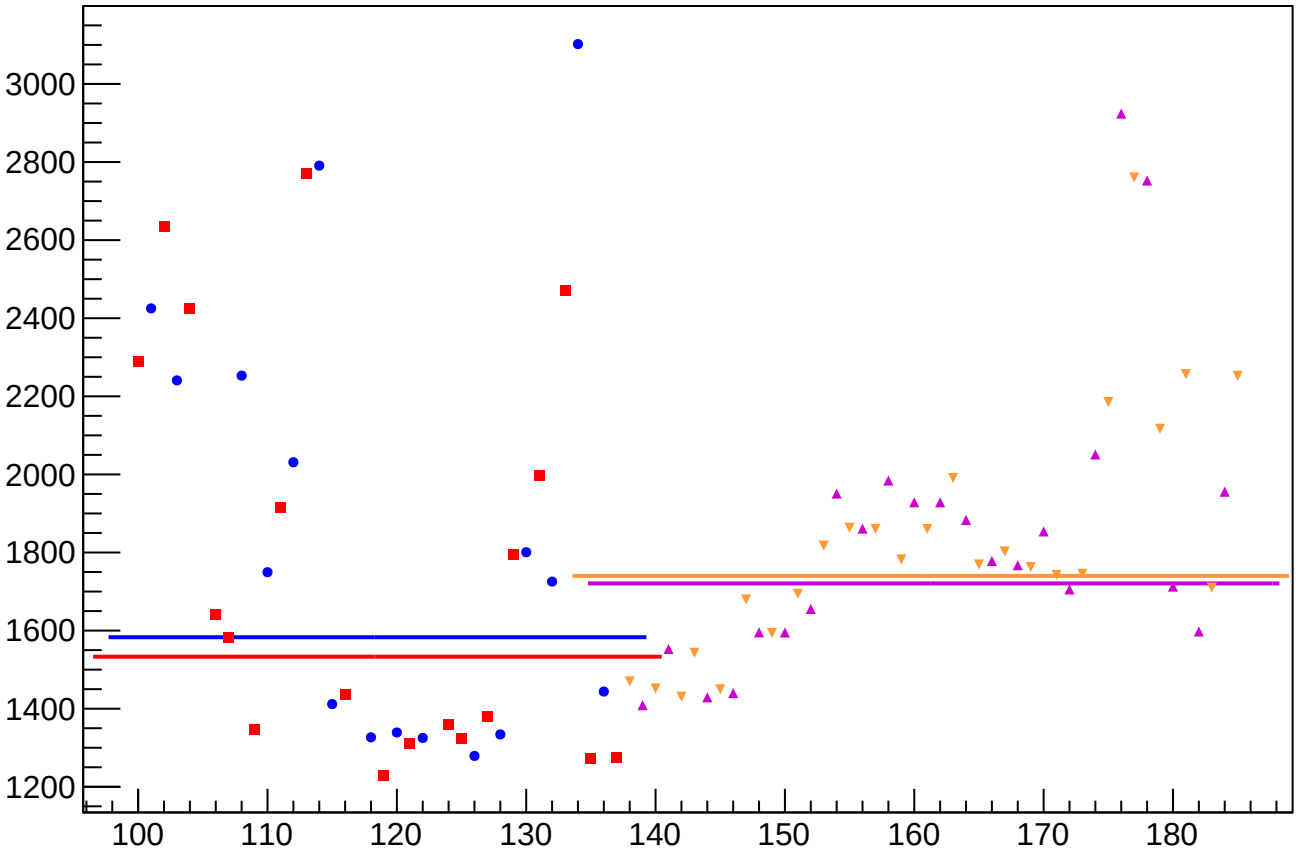
Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.129+/-0.338 χ^2/NDF: 7181.0/40

All: 3.905+/-0.238 χ^2/NDF: 12794.7/82

- sign 9.900+/-0.337 χ^2/NDF: 4977.0/41



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

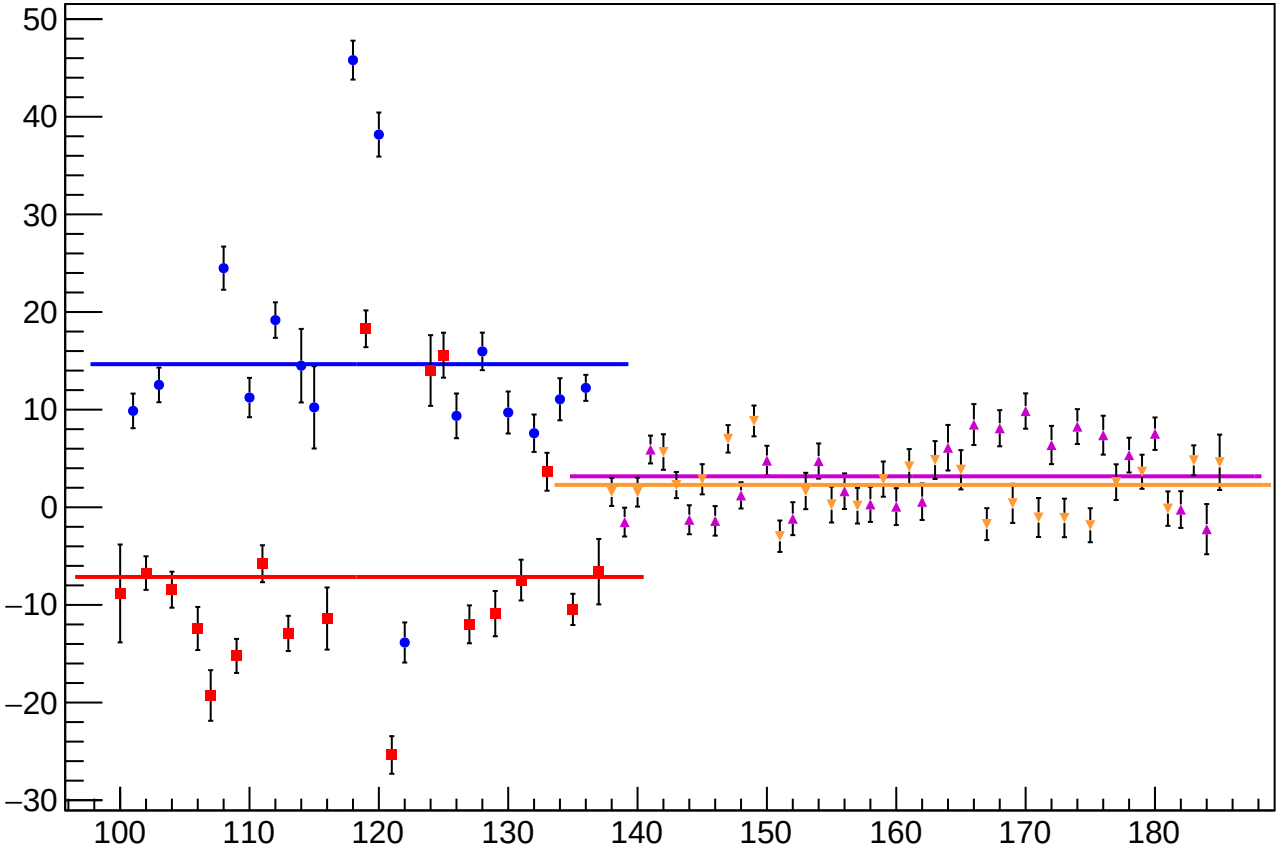
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1693.871+/-0.239 χ^2/NDF: 1630911.0/40

All: 1677.082+/-0.169 χ^2/NDF: 3611353.0/82

- 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: 2.293+/-0.343 χ^2/NDF:73.5/24

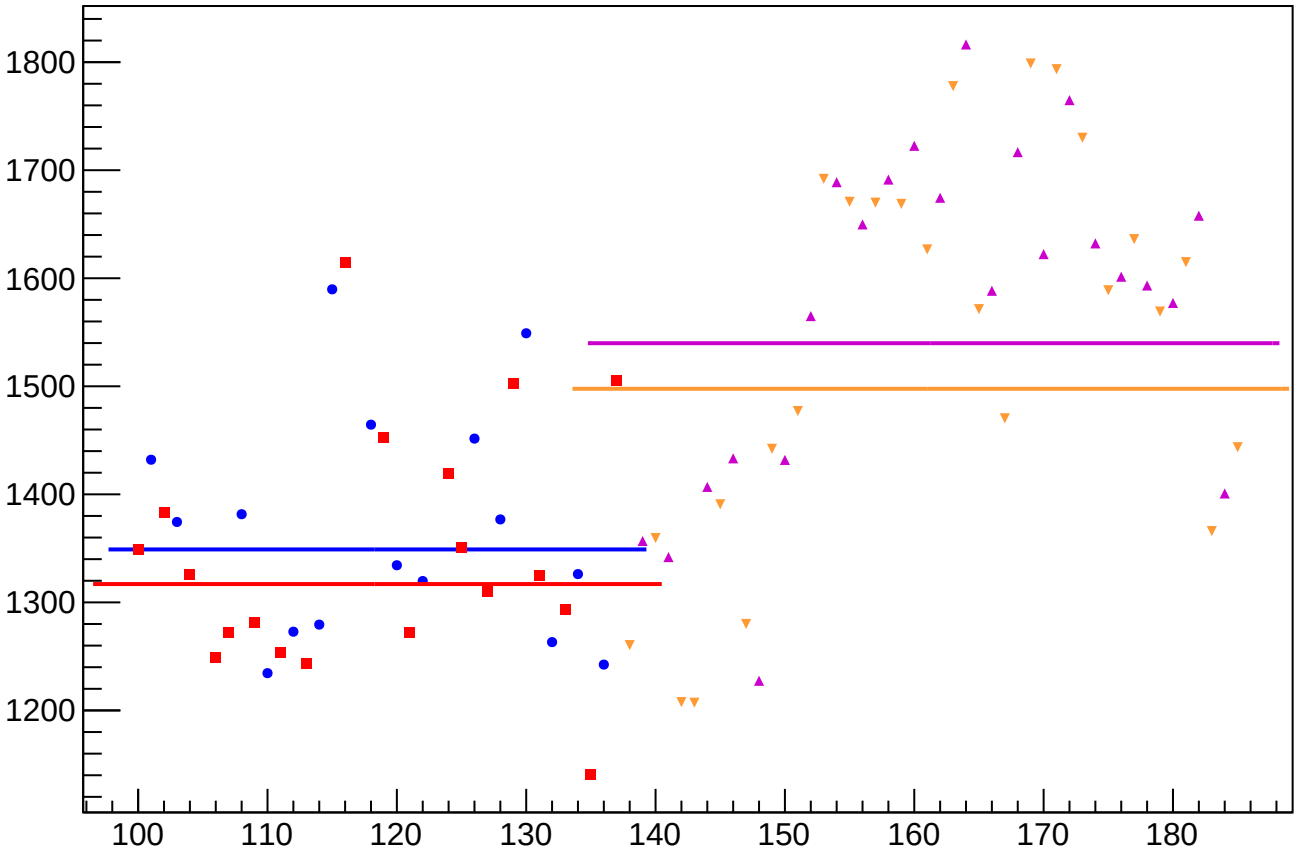
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 6.209+/-0.284 χ^2/NDF: 1098.7/40

All: 2.906+/-0.203 χ^2/NDF: 2286.3/82

- sign -0.539+/-0.290 χ^2/NDF: 911.0/41



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

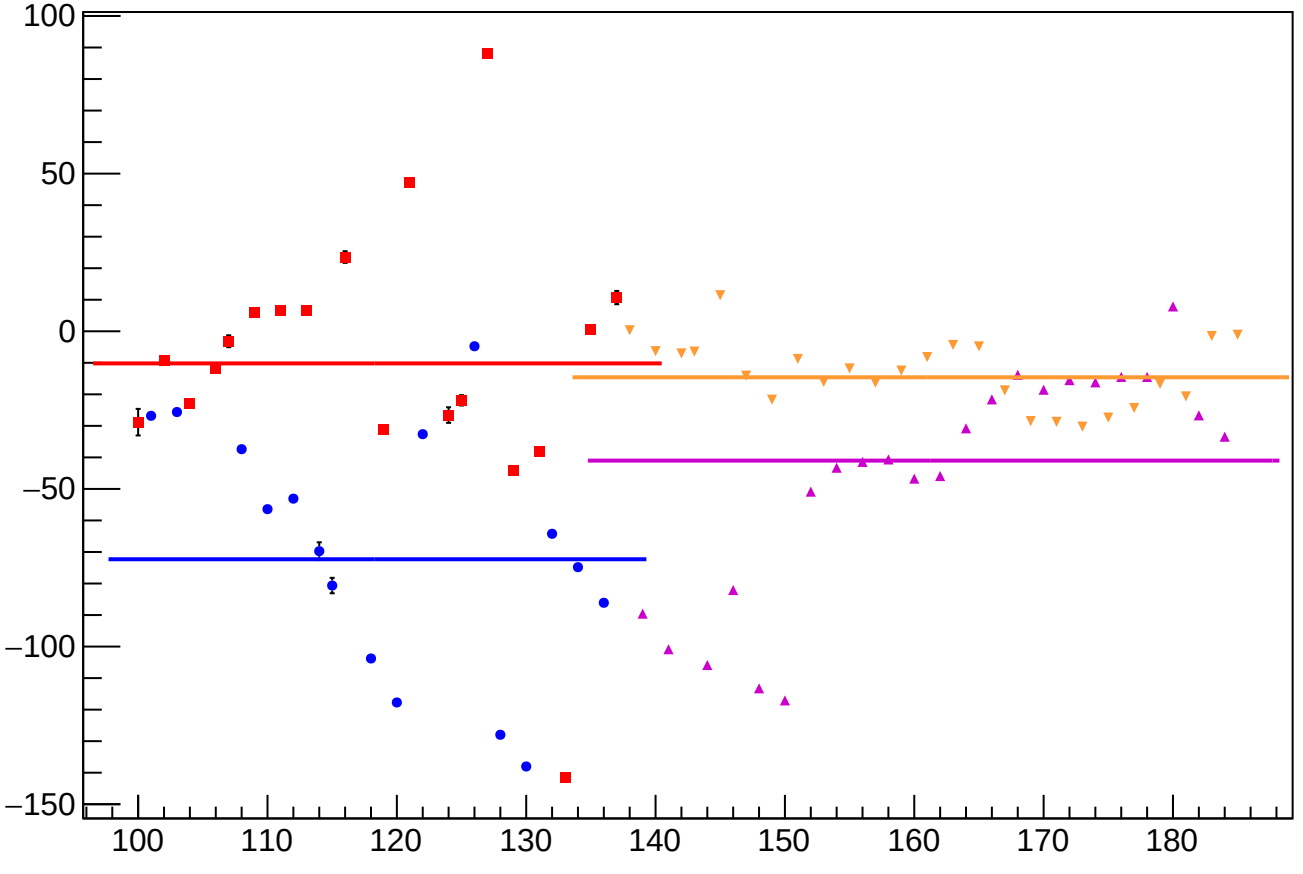
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1450.613+/-0.201 χ^2/NDF: 755758.0/40

All: 1455.021+/-0.143 χ^2/NDF: 1496380.1/82

- 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: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

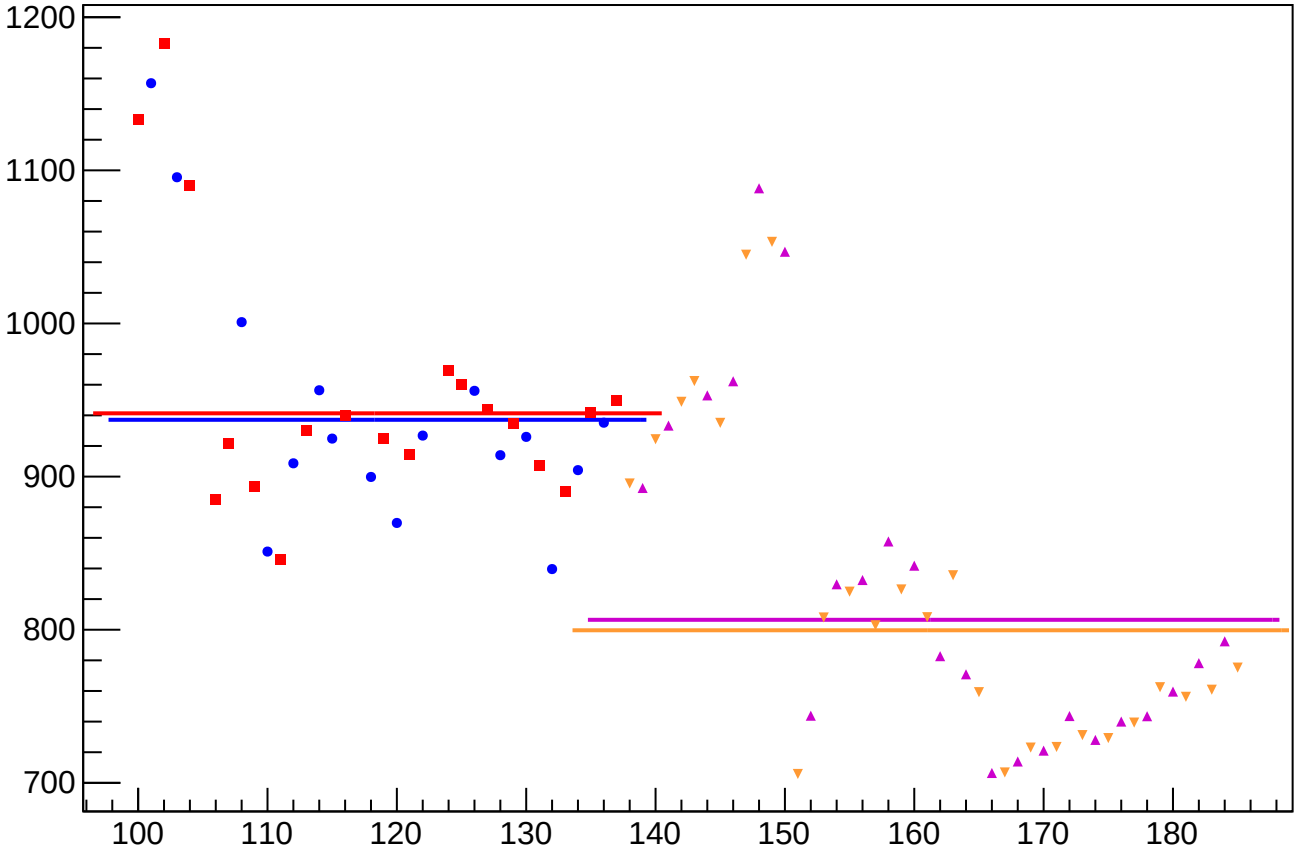
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -27.011+/-0.162 χ^2/NDF: 36716.2/40

All: -30.341+/-0.116 χ^2/NDF: 93839.1/82

- 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: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

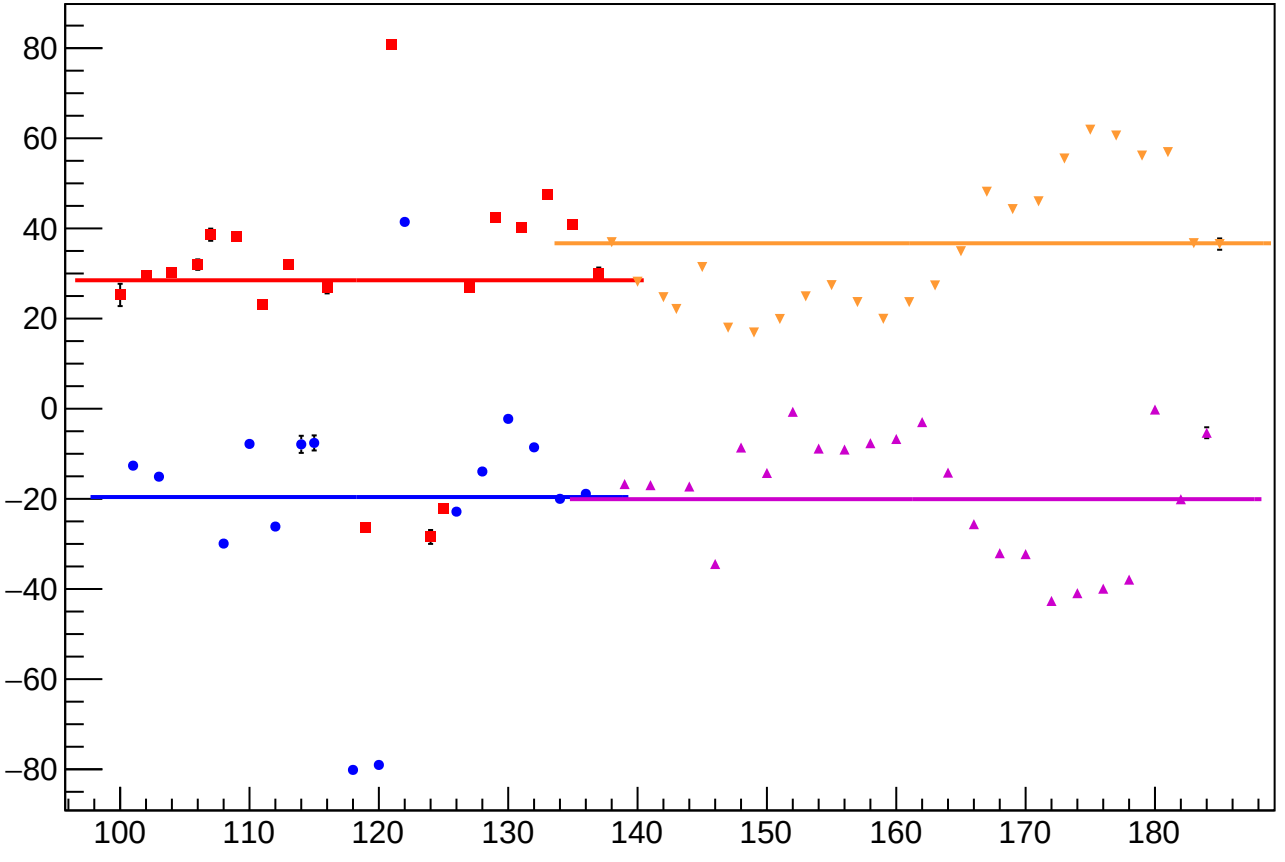
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 829.208+/-0.115 χ^2/NDF: 844972.4/40

All: 833.429+/-0.082 χ^2/NDF: 1695121.8/82

- sign 837.868+/-0.118 χ^2/NDF: 847367.0/41

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

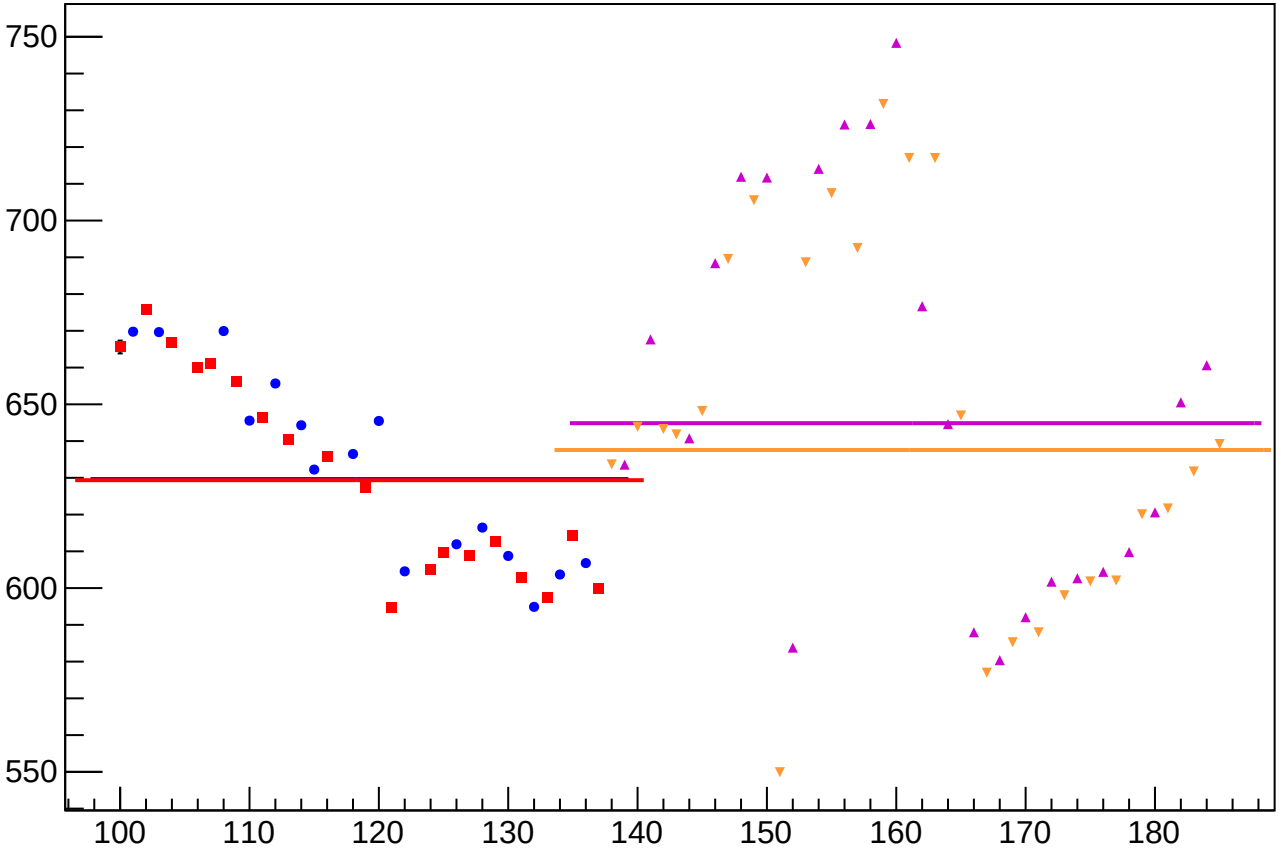
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.023+/-0.124 χ^2/NDF: 65147.8/40

All: 8.115+/-0.088 χ^2/NDF: 140203.9/82

- 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: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

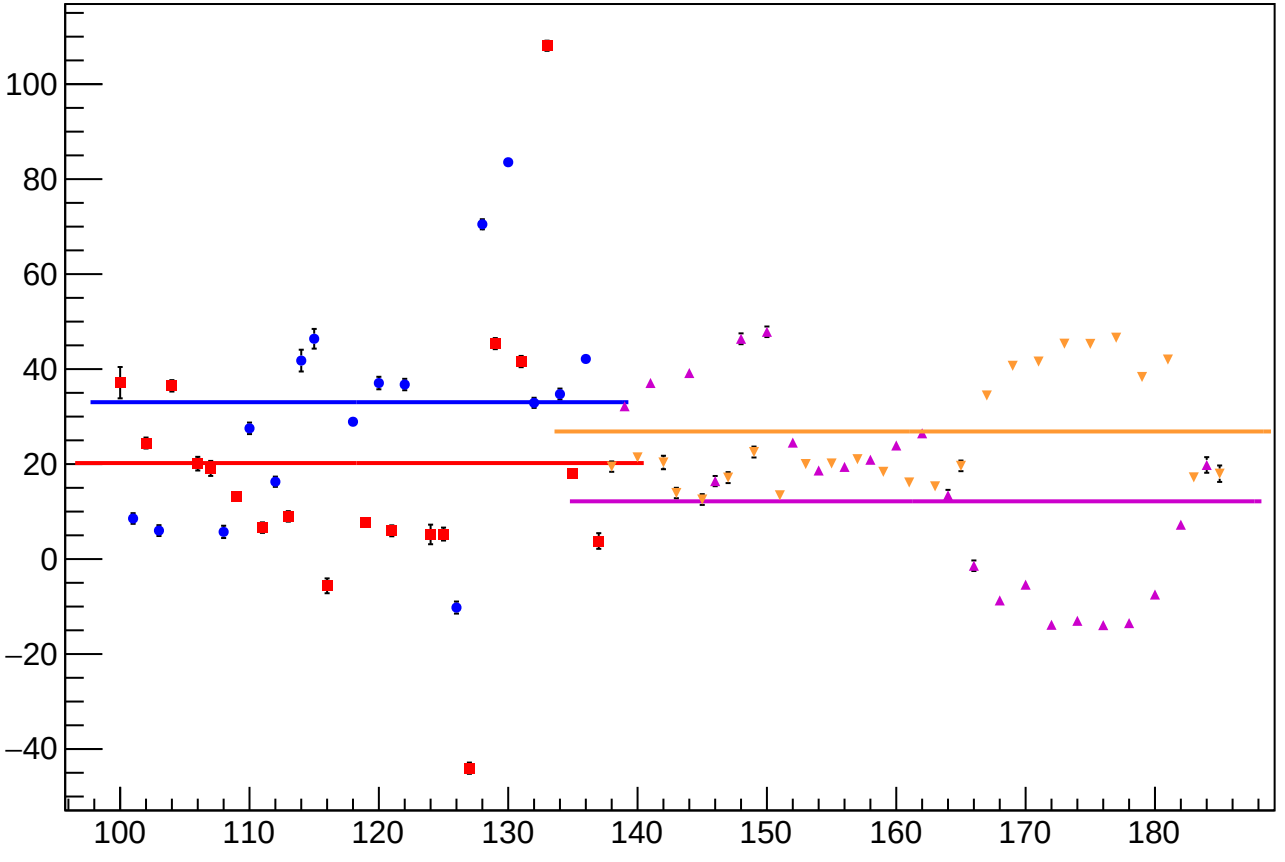
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 635.366+/-0.087 χ^2/NDF: 263502.8/40

All: 637.720+/-0.062 χ^2/NDF: 527703.0/82

- 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: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

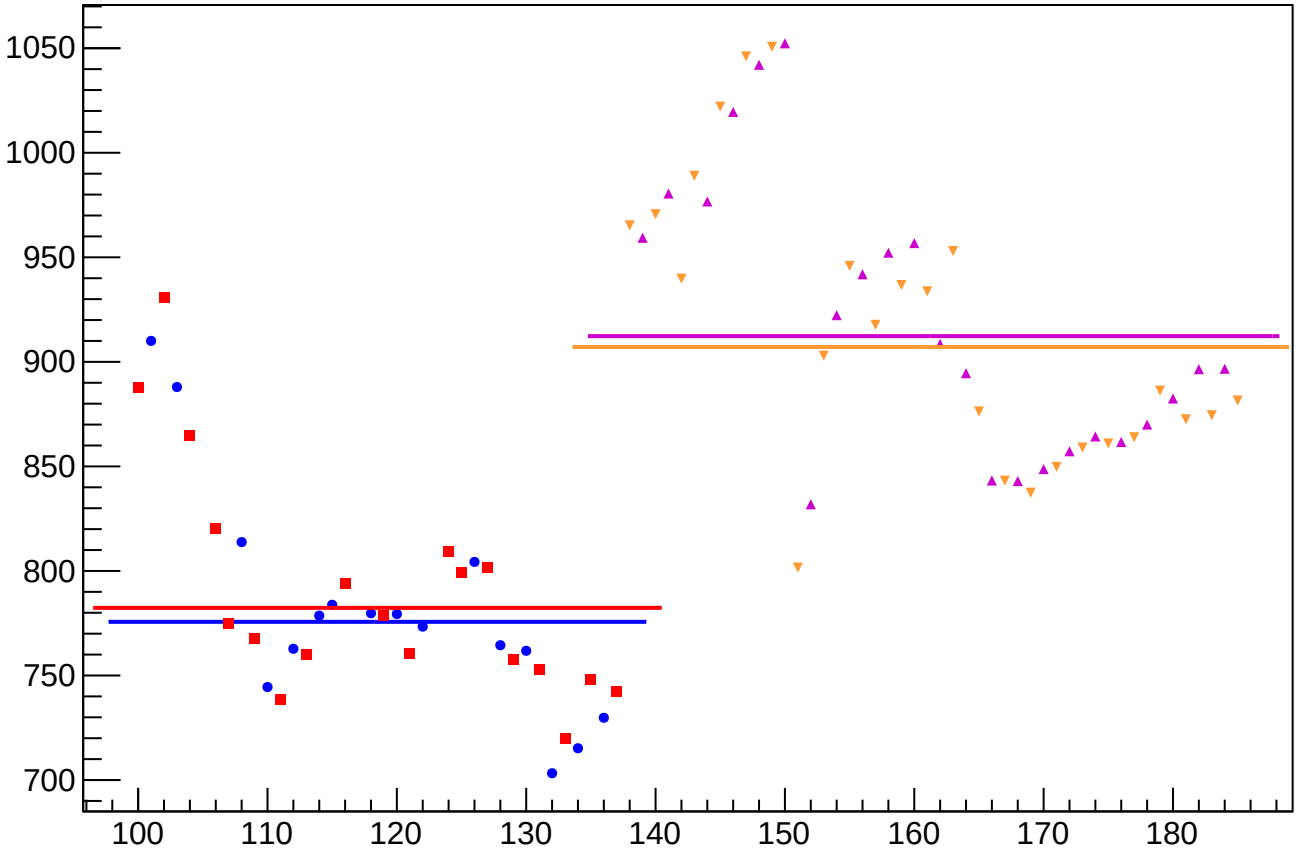
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 28.954+/-0.168 χ^2/NDF: 10391.9/40

All: 22.126+/-0.120 χ^2/NDF: 34678.8/82

\- 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: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

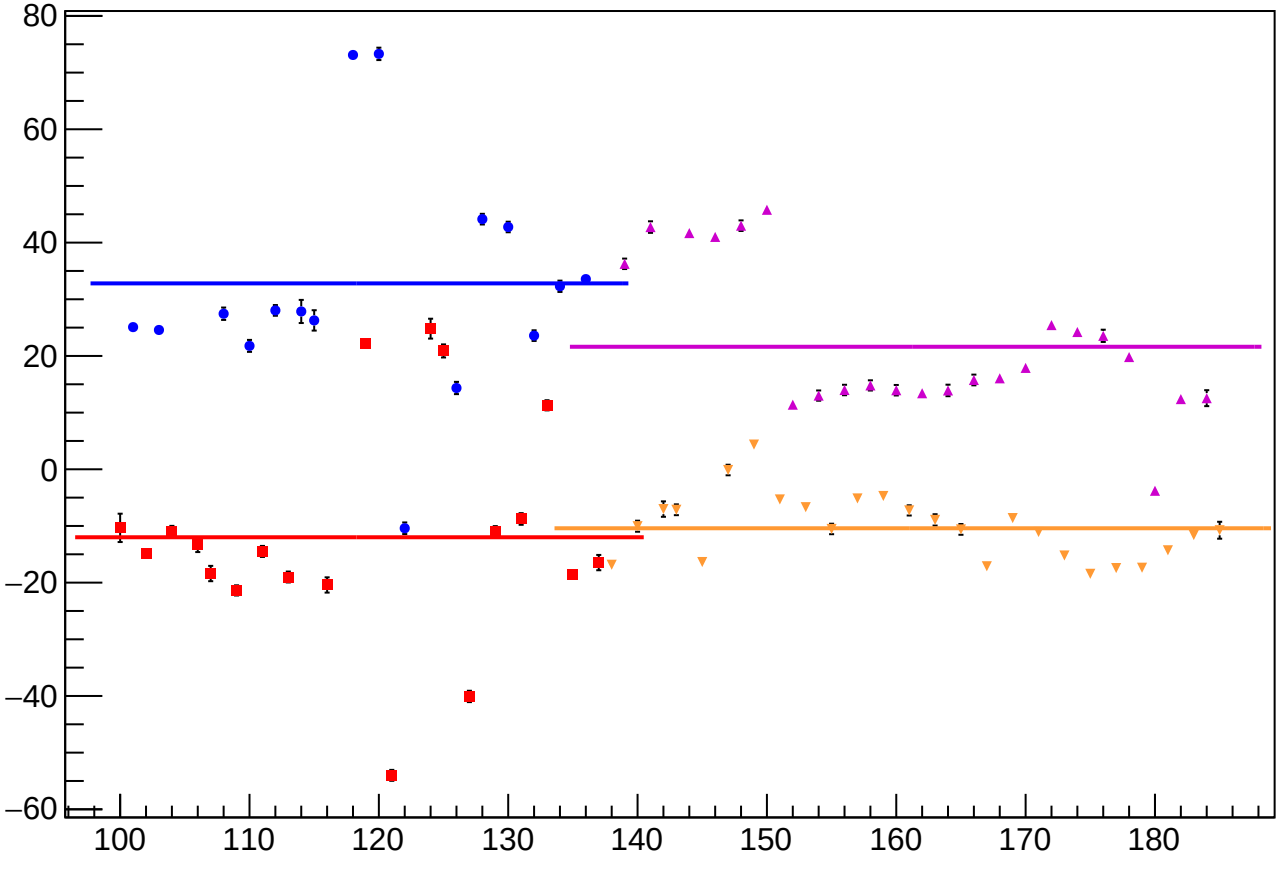
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 862.600+/-0.119 χ^2/NDF: 543040.3/40

All: 864.142+/-0.085 χ^2/NDF: 1047666.6/82

- 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: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

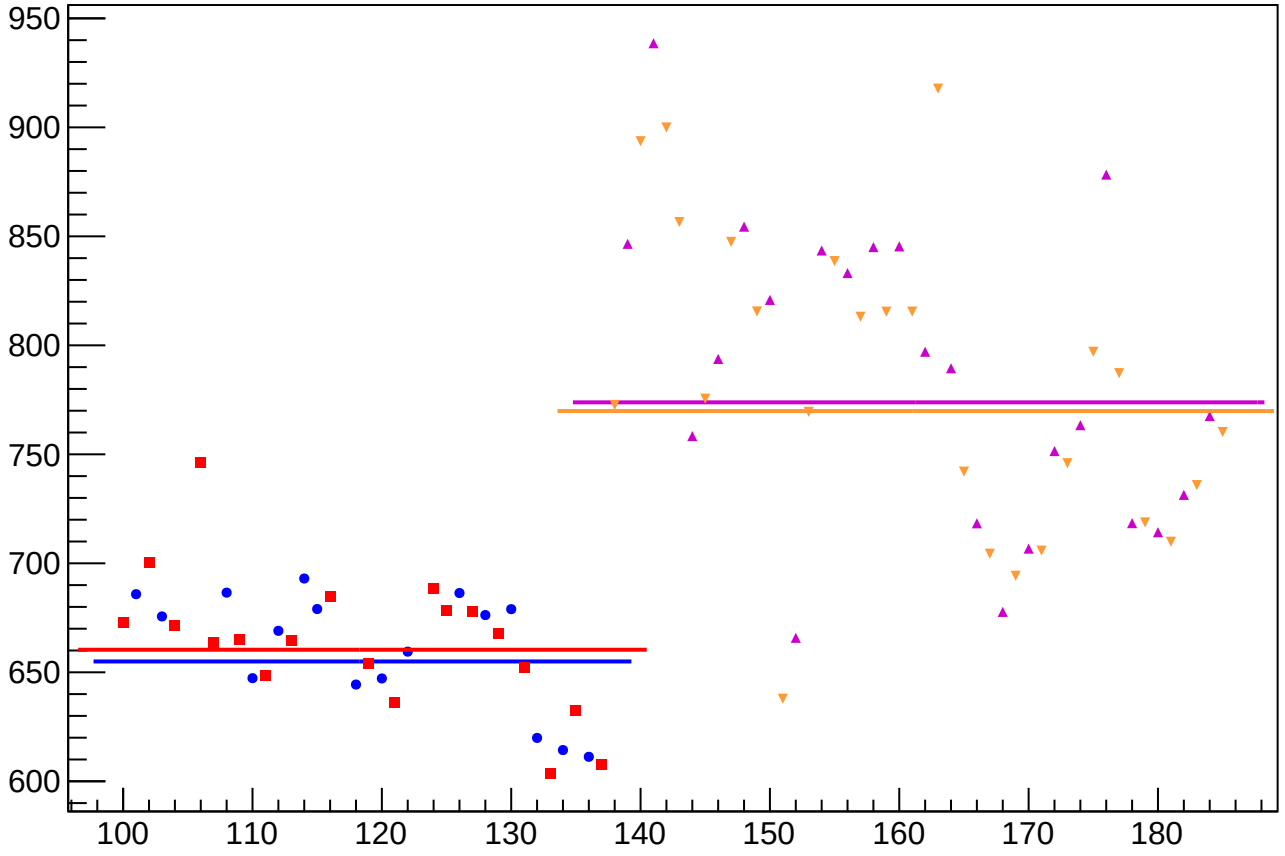
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 4.420+/-0.143 χ^2/NDF: 27983.0/40

All: 6.878+/-0.102 χ^2/NDF: 52773.5/82

- 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: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

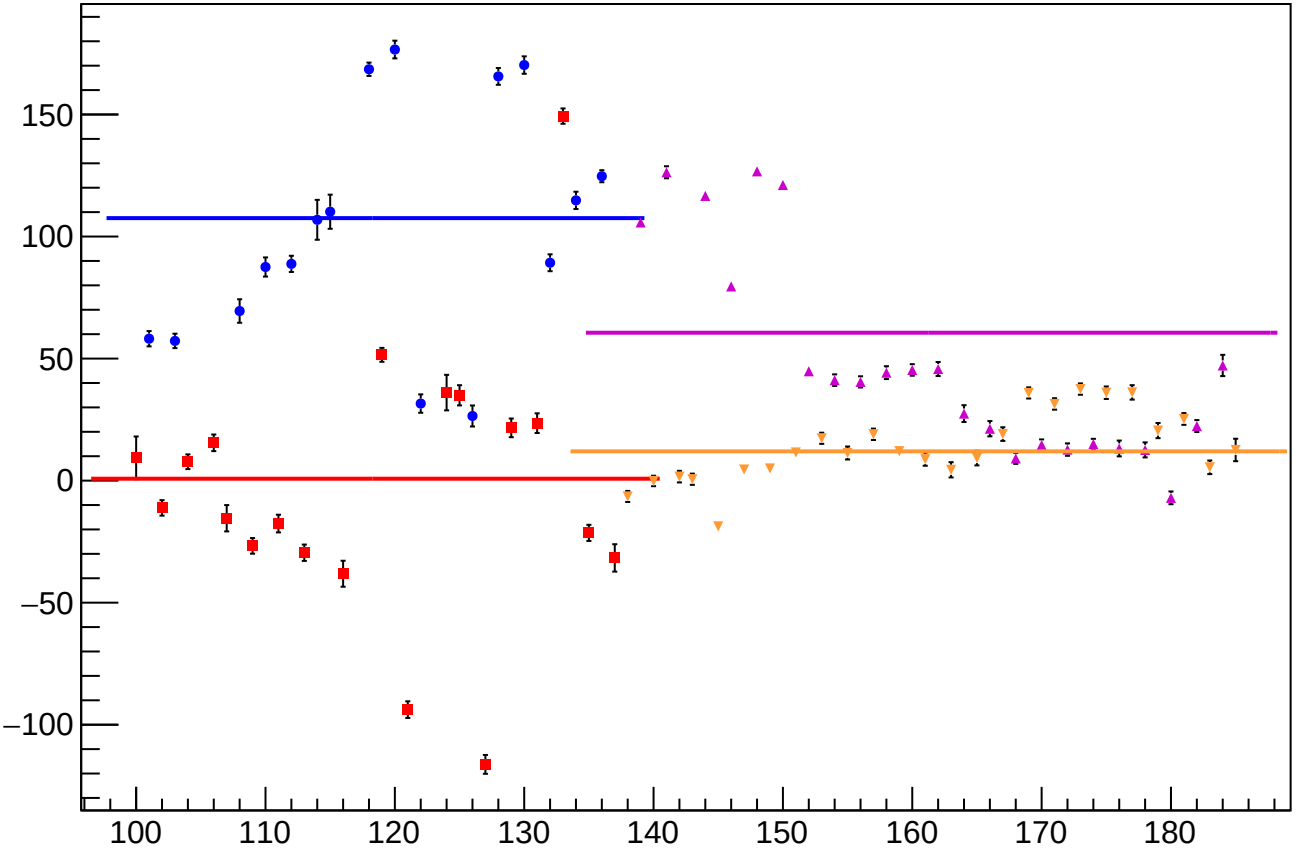
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 730.432+/-0.101 χ^2/NDF: 623648.4/40

All: 731.532+/-0.072 χ^2/NDF: 1219475.8/82

- 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: 11.989+/-0.472 χ^2/NDF:947.1/24

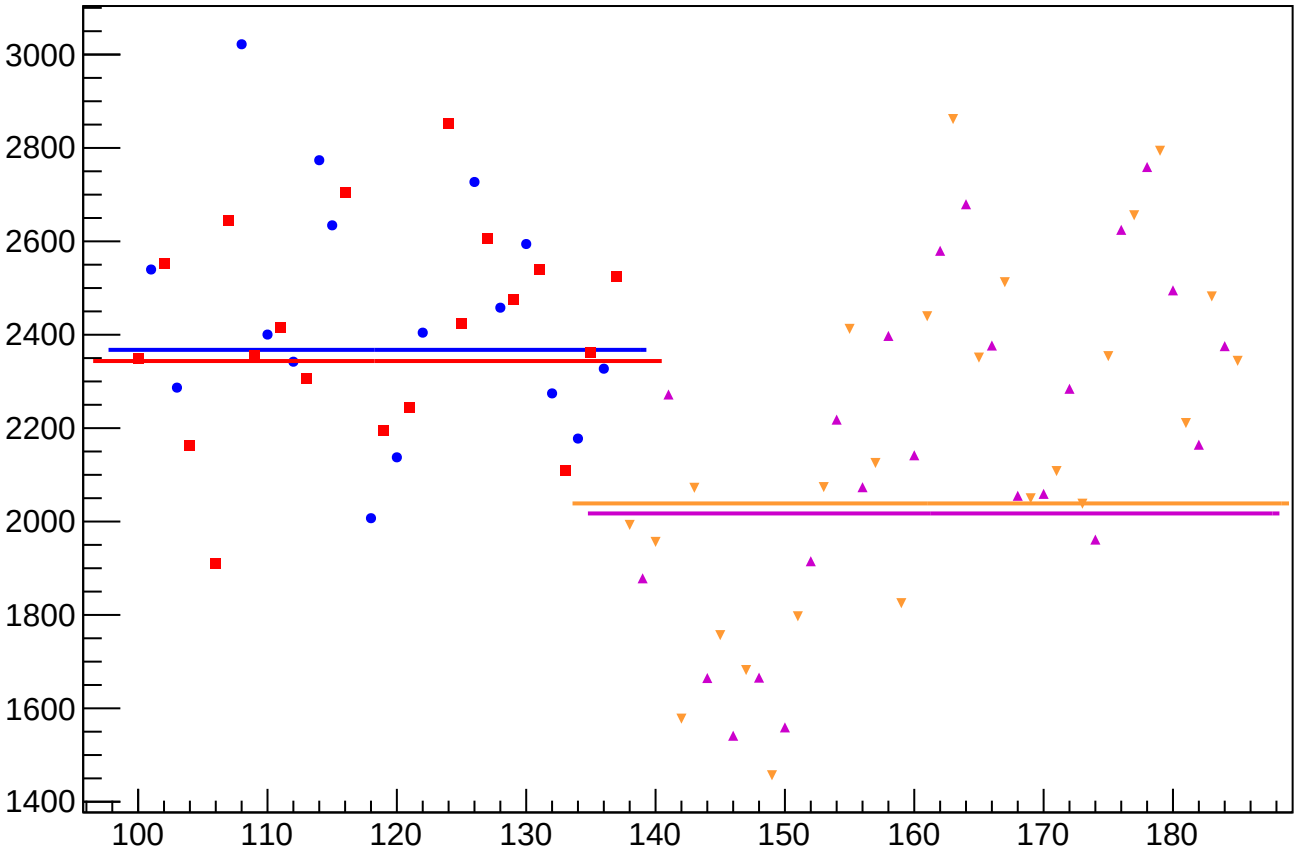
Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 33.106+/-0.416 χ^2/NDF: 12978.4/40

All: 39.681+/-0.296 χ^2/NDF: 30563.2/82

- sign 46.371+/-0.420 χ^2/NDF: 17081.2/41



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

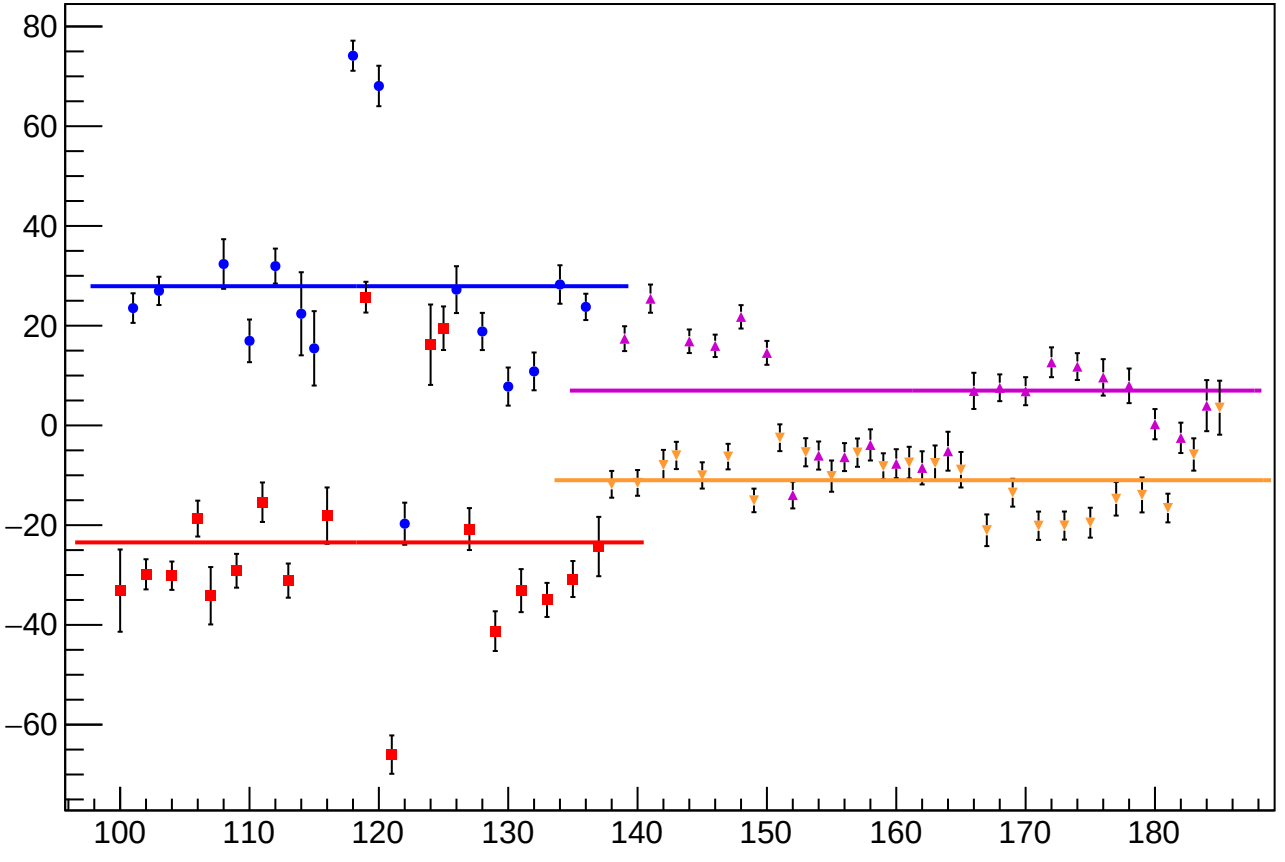
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2111.455+/-0.294 χ^2/NDF: 1465239.0/40

All: 2103.280+/-0.209 χ^2/NDF: 2848229.8/82

- 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: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

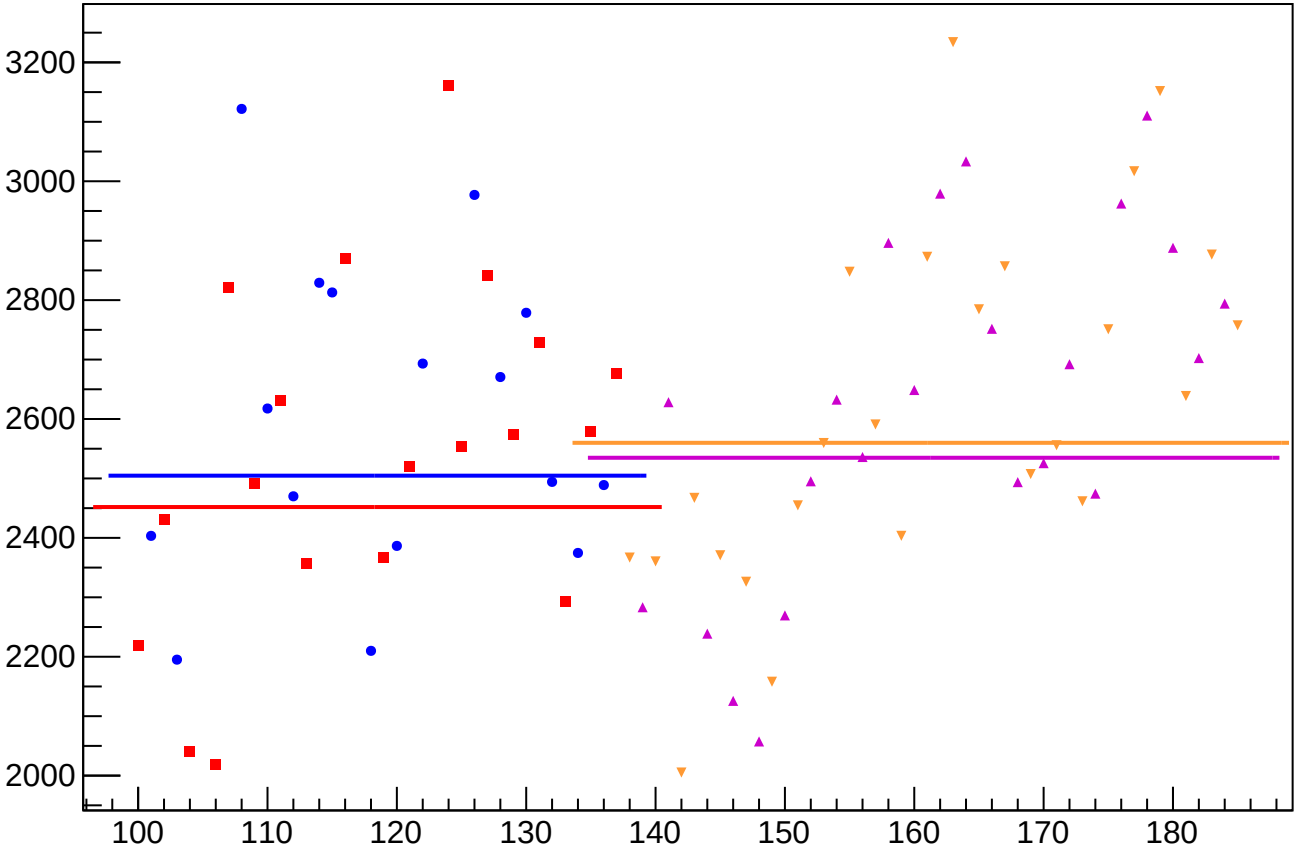
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.047+/-0.497 χ^2/NDF: 1857.9/40

All: -1.174+/-0.352 χ^2/NDF: 3565.7/82

- 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: 2559.931+/-0.414 χ^2/NDF:450188.5/24

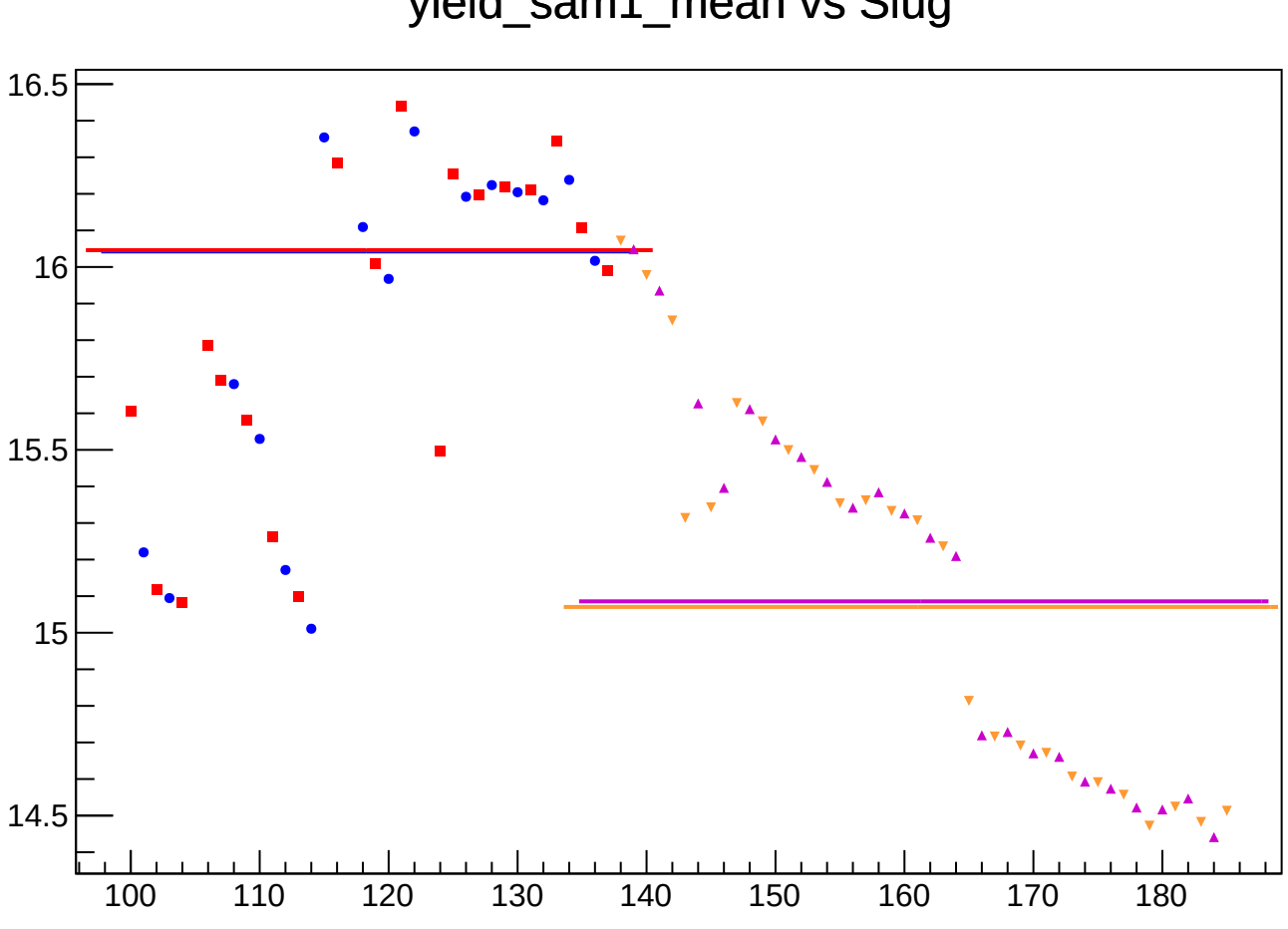
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2544.388+/-0.351 χ^2/NDF: 581793.6/40

All: 2526.998+/-0.249 χ^2/NDF: 1215294.0/82

- 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: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

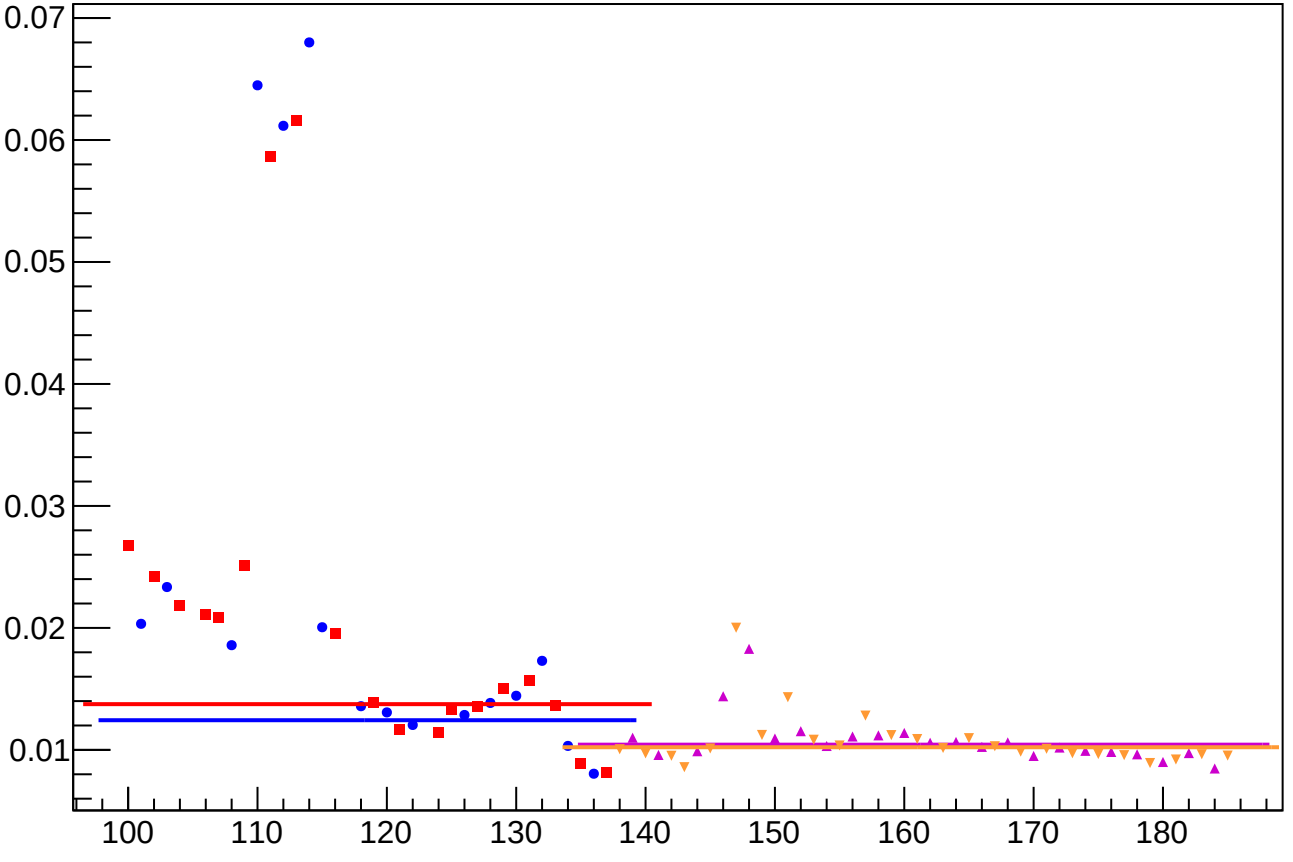
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.236+/-0.000 χ^2/NDF: 74491041207.3/40

All: 15.238+/-0.000 χ^2/NDF: 140847688102.

- 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:760322.0/24

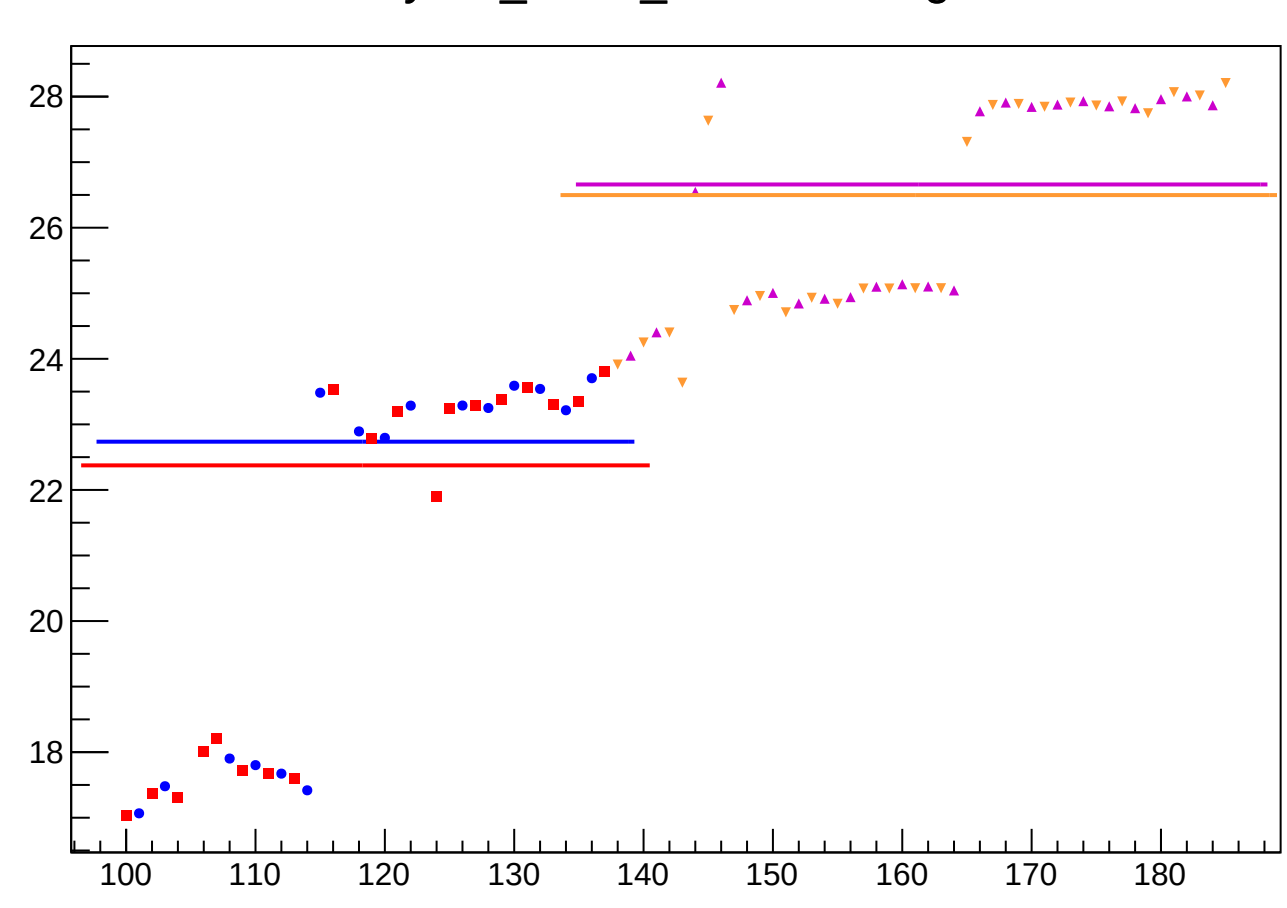
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3367234.8/40

All: 0.011+/-0.000 χ^2/NDF: 6779869.3/82

- 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: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

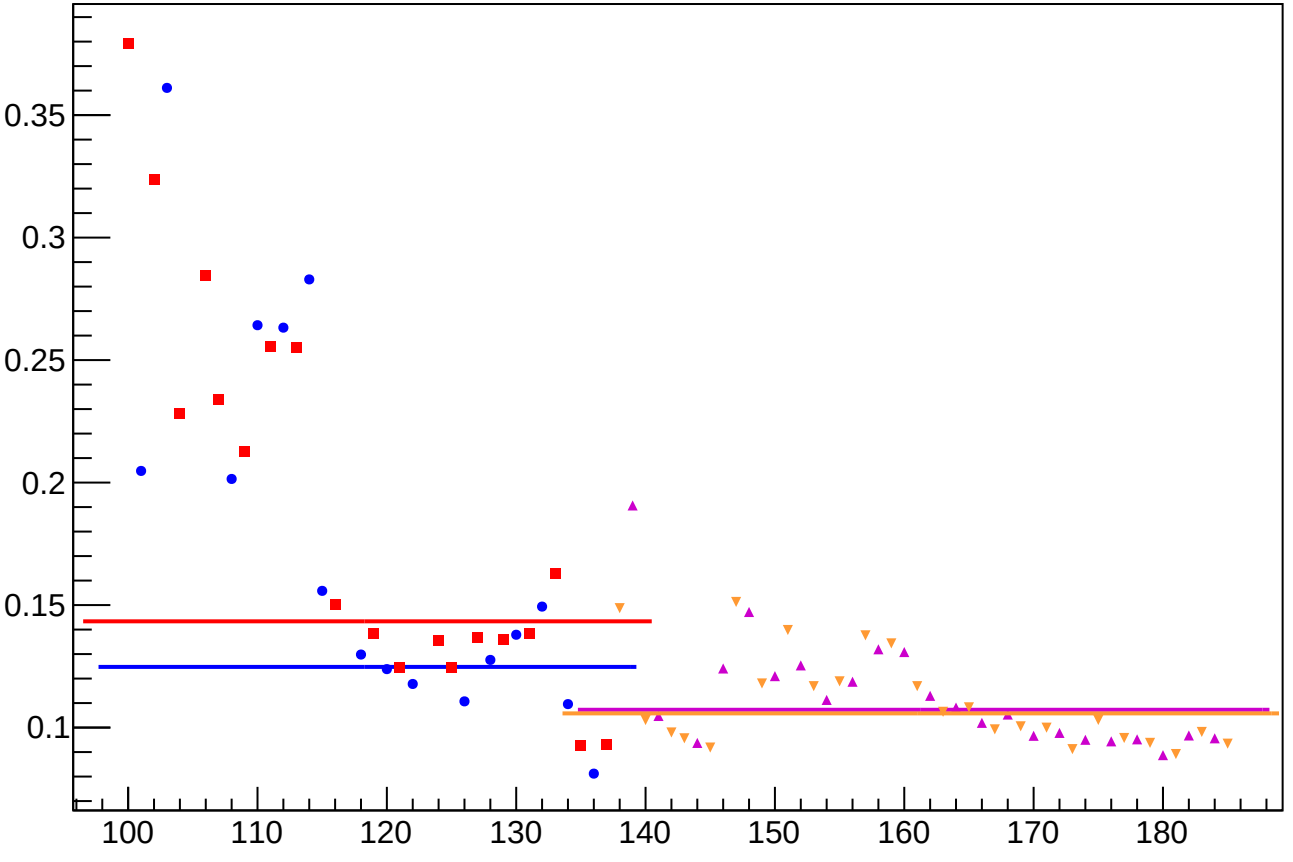
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.790+/-0.000 χ^2/NDF: 9076928257.6/40

All: 25.856+/-0.000 χ^2/NDF: 17453328286.6

- 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:756185.0/24

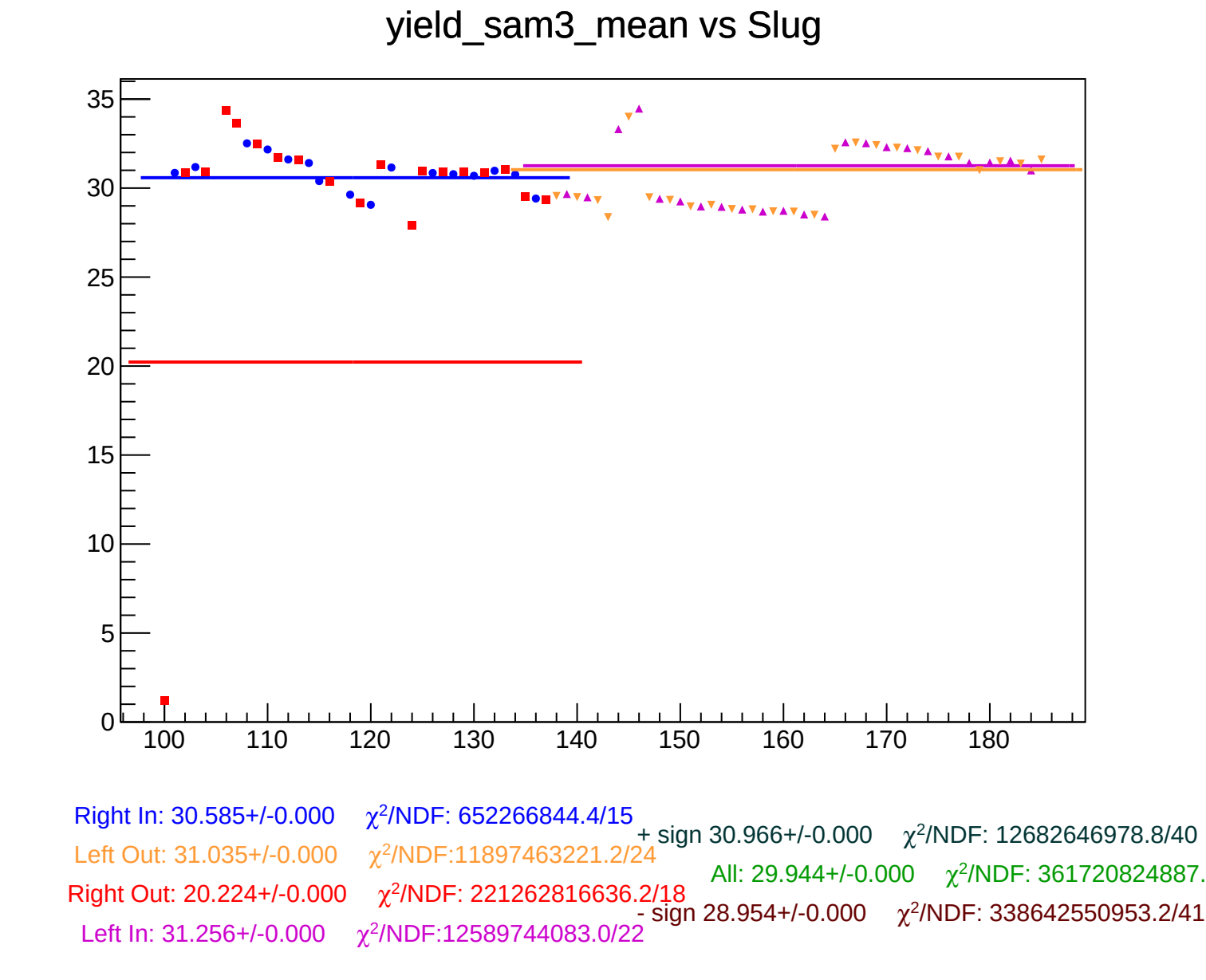
Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

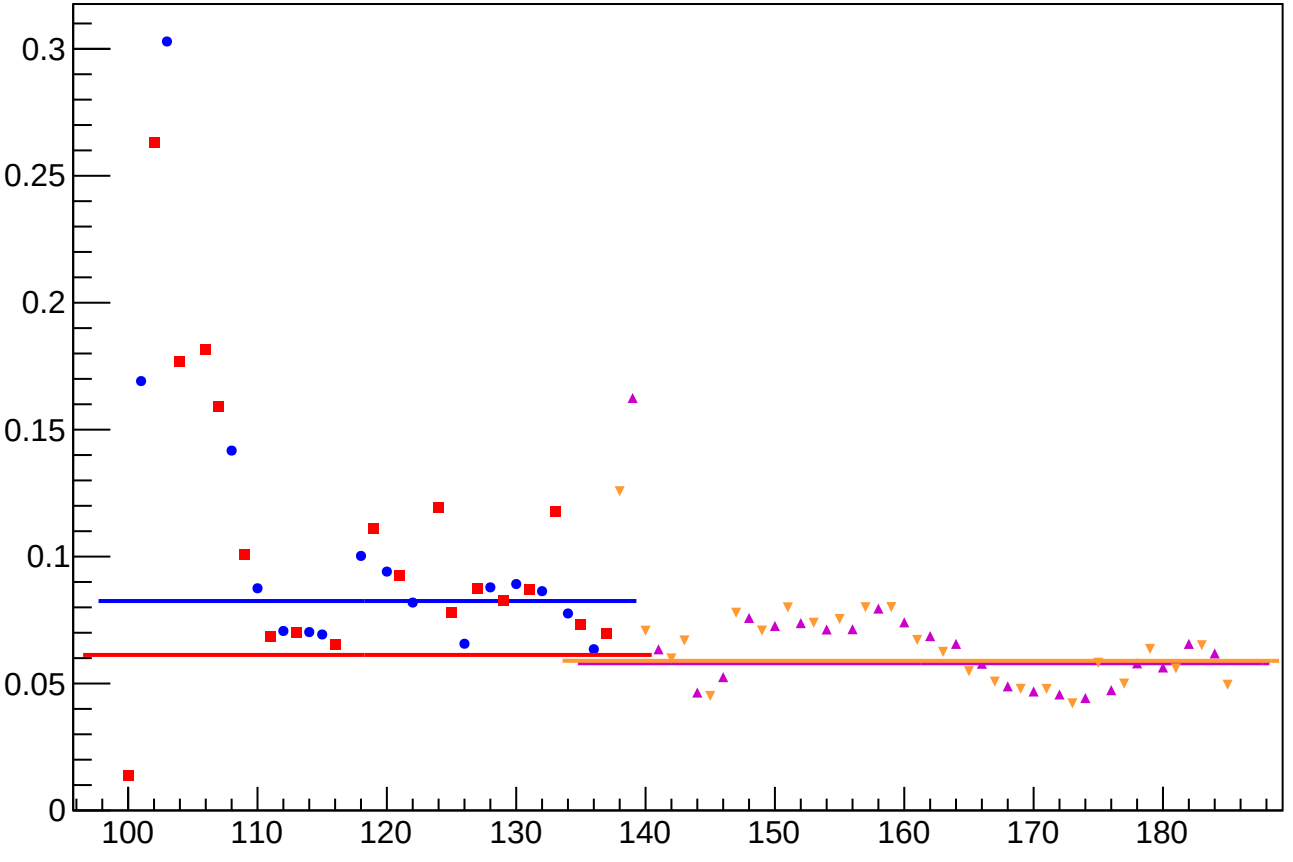
+ sign 0.109+/-0.000 χ^2/NDF: 2706851.1/40

All: 0.111+/-0.000 χ^2/NDF: 5769412.7/82

- sign 0.113+/-0.000 χ^2/NDF: 3034043.3/41


yield_sam3_mean vs Slug
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 30.585+/-0.000 χ²/NDF: 652266844.4/15
Left Out: 31.035+/-0.000 χ²/NDF:11897463221.2/24
Right Out: 20.224+/-0.000 χ²/NDF: 221262816636.2/18
Left In: 31.256+/-0.000 χ²/NDF:12589744083.0/22
+ sign 30.966+/-0.000 χ²/NDF: 12682646978.8/40
All: 29.944+/-0.000 χ²/NDF: 361720824887.
- sign 28.954+/-0.000 χ²/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:1536601.0/24

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

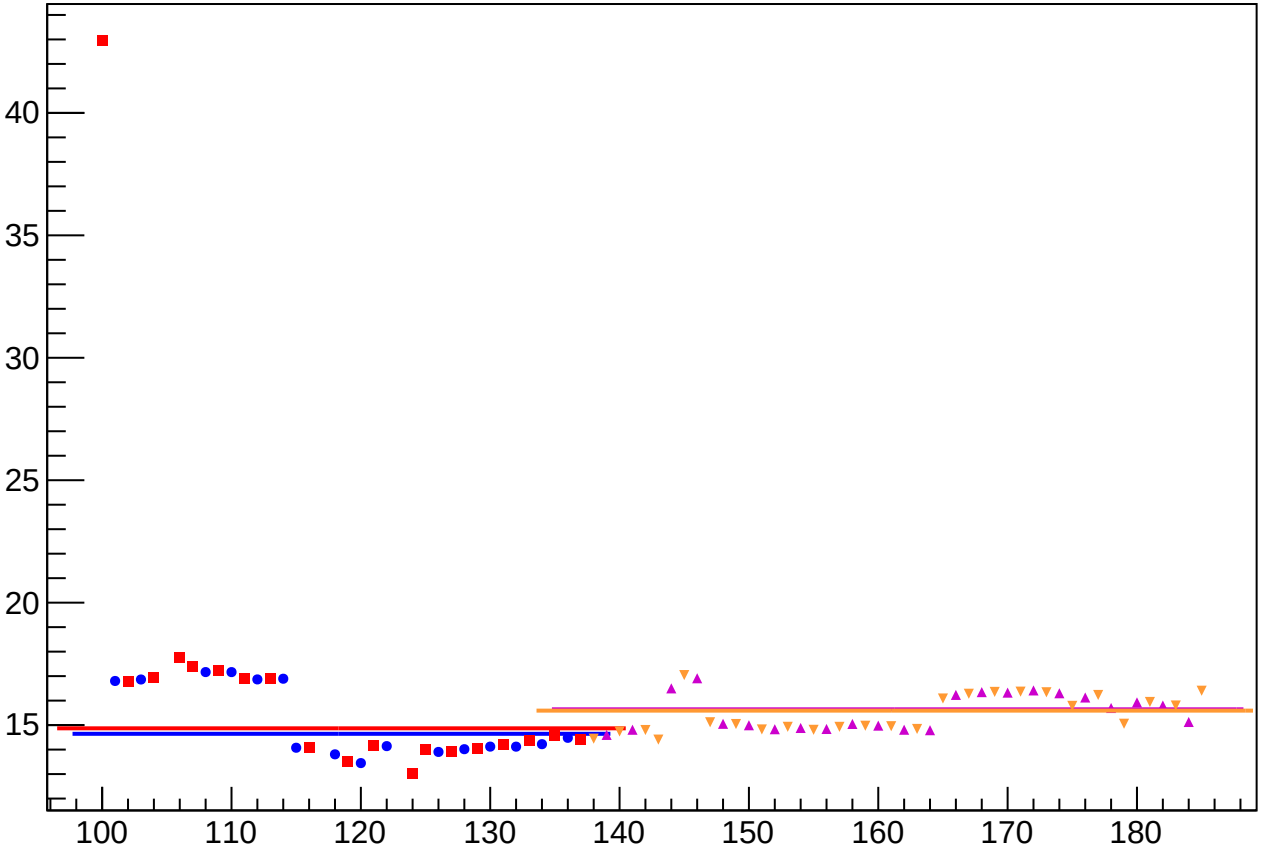
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.063+/-0.000 χ^2/NDF: 3525340.5/40

All: 0.061+/-0.000 χ^2/NDF: 9351967.2/82

- 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: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

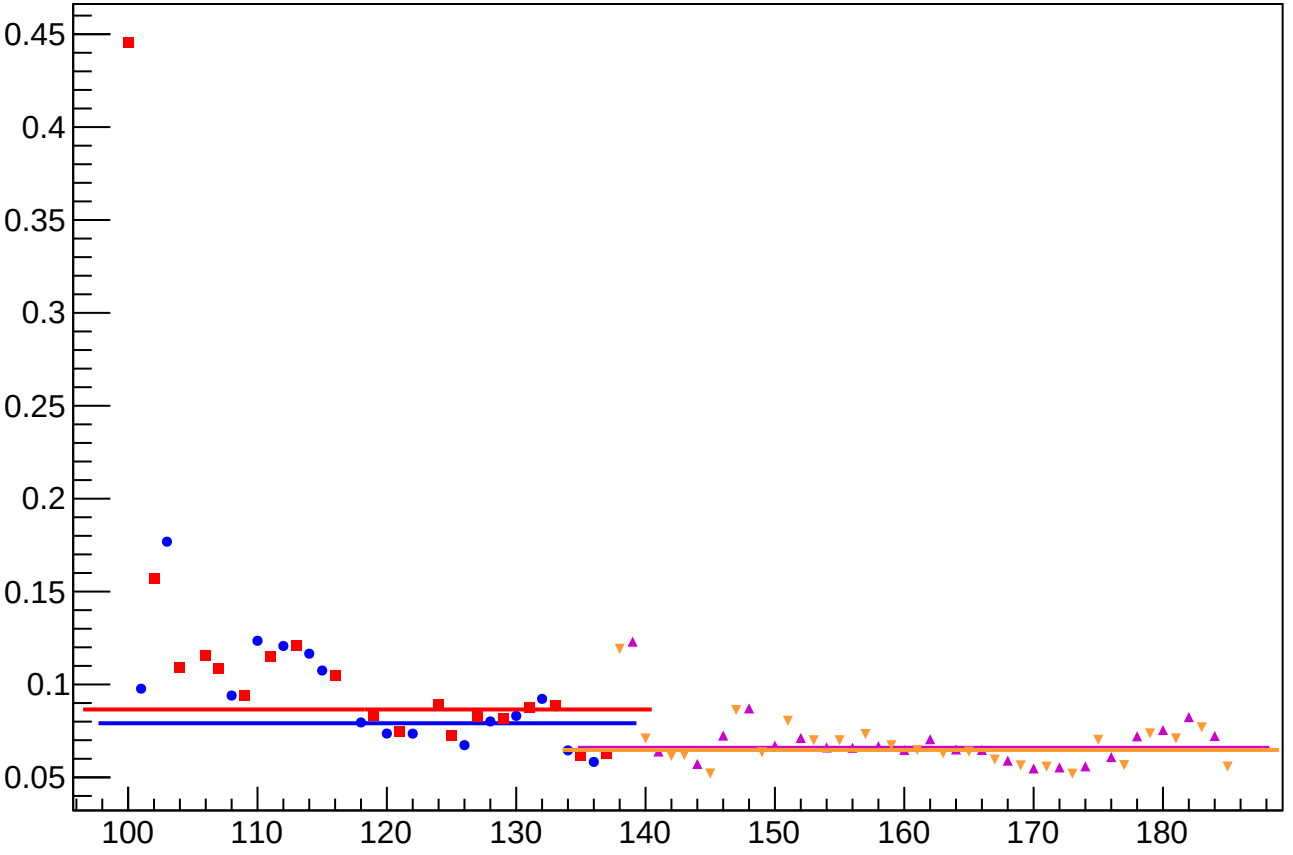
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.408+/-0.000 χ^2/NDF: 4129647064.2/40

All: 15.452+/-0.000 χ^2/NDF: 8140109164.4/8

- 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:855753.3/24

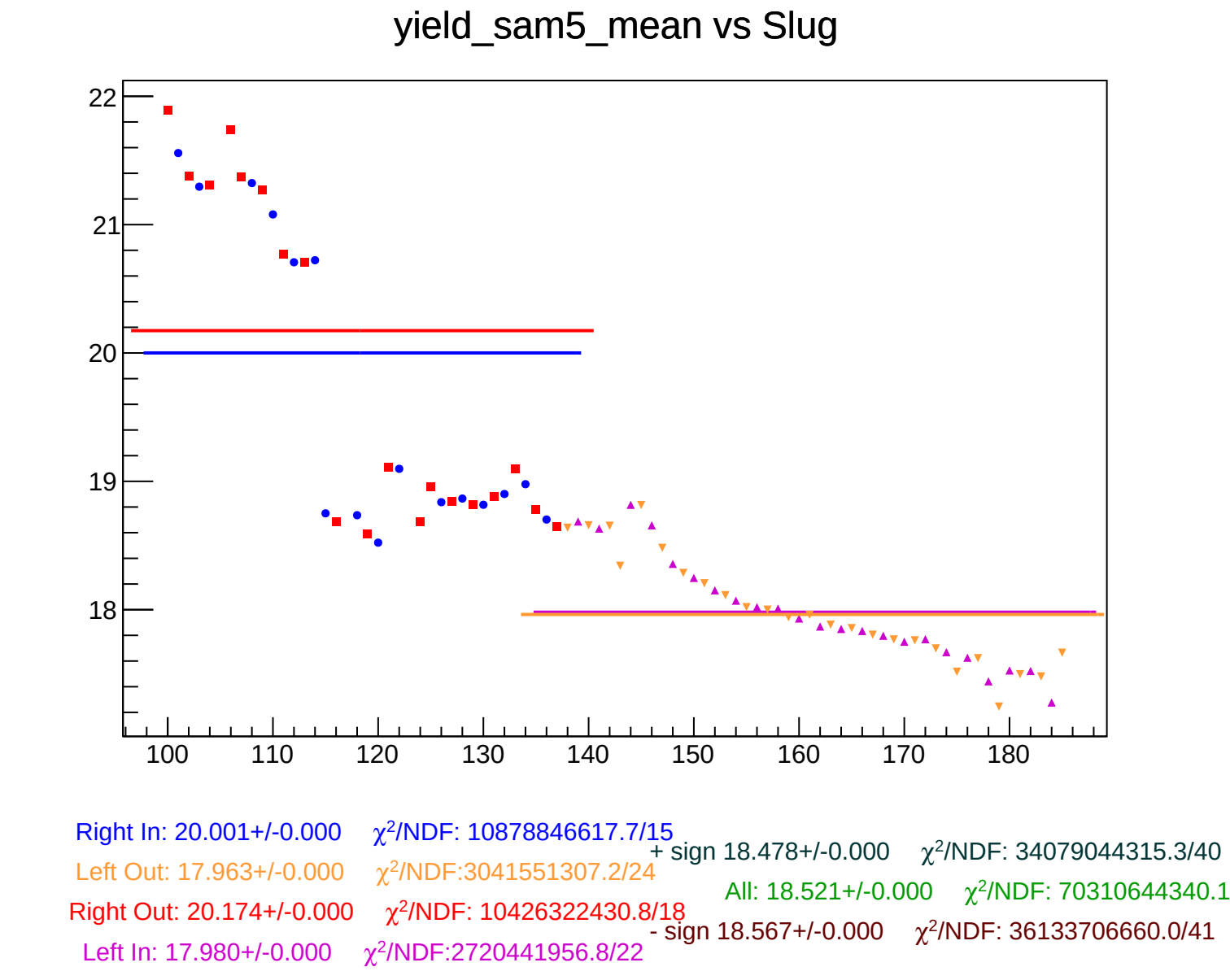
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

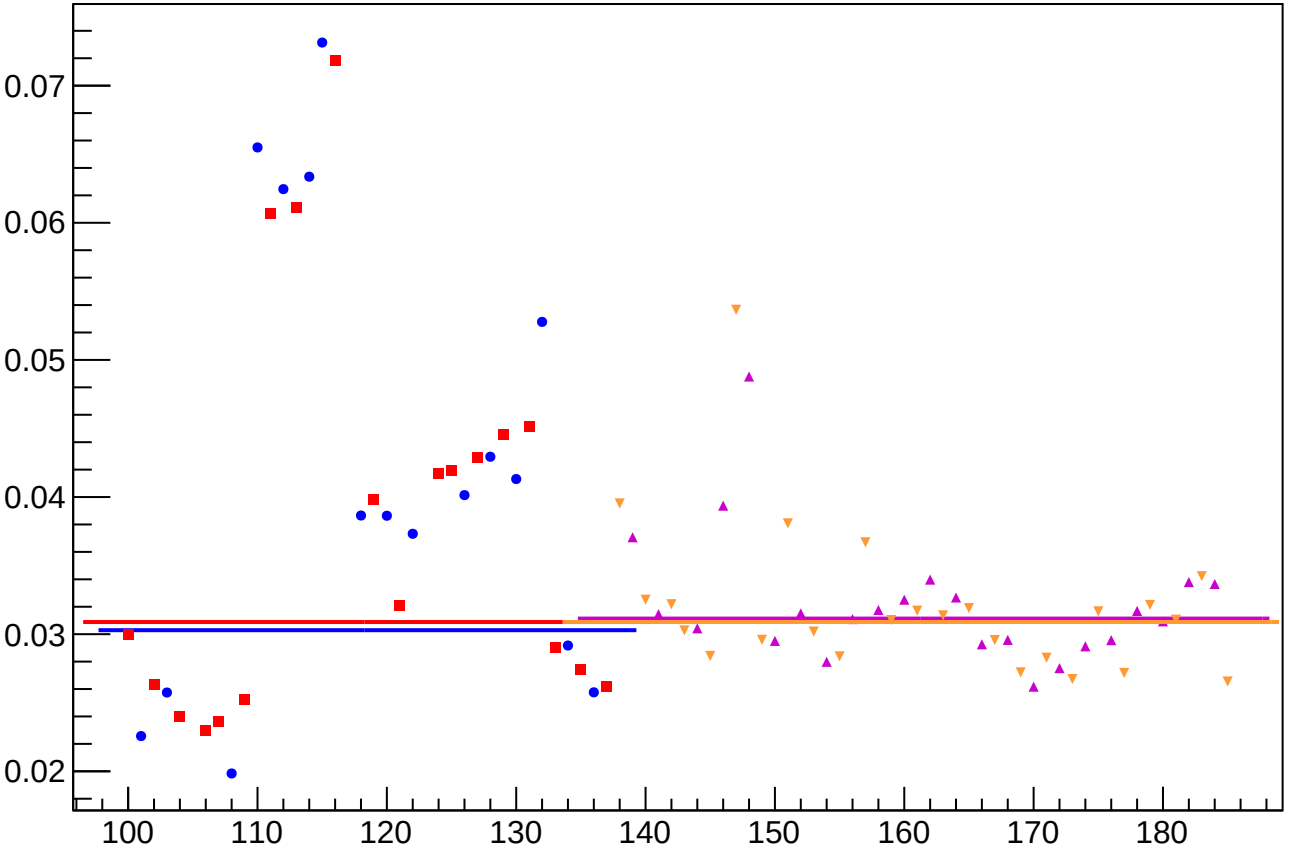
+ sign 0.068+/-0.000 χ^2/NDF: 2086476.2/40

All: 0.069+/-0.000 χ^2/NDF: 4259811.6/82

- sign 0.070+/-0.000 χ^2/NDF: 2150853.1/41


yield_sam5_mean vs Slug
22
21
20
19
18
100
110
120
130
140
150
160
170
180
Right In: 20.001+/-0.000 χ²/NDF: 10878846617.7/15
Left Out: 17.963+/-0.000 χ²/NDF:3041551307.2/24
Right Out: 20.174+/-0.000 χ²/NDF: 10426322430.8/18
Left In: 17.980+/-0.000 χ²/NDF:2720441956.8/22
+ sign 18.478+/-0.000 χ²/NDF: 34079044315.3/40
All: 18.521+/-0.000 χ²/NDF: 70310644340.1
- sign 18.567+/-0.000 χ²/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:633519.6/24

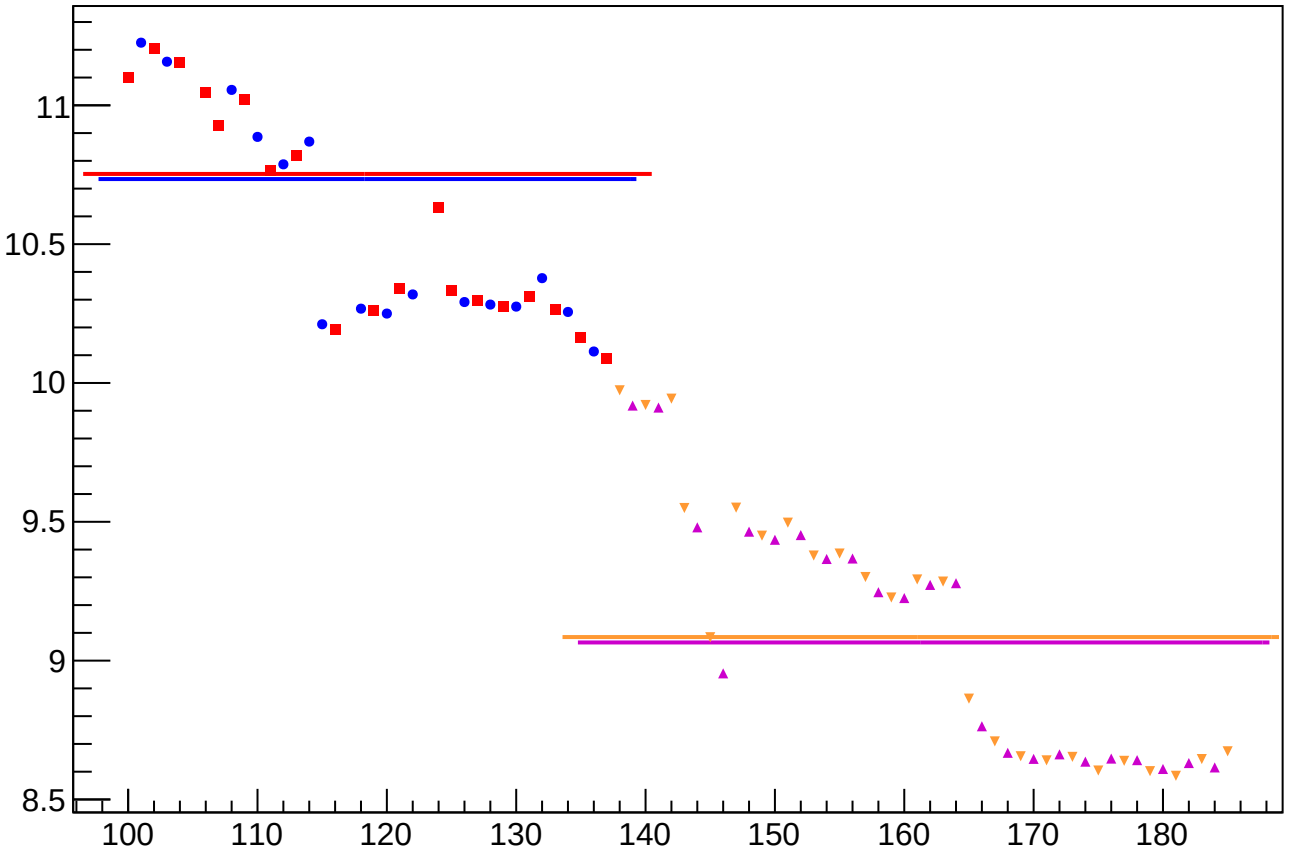
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2084391.2/40

All: 0.031+/-0.000 χ^2/NDF: 3775392.9/82

- 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: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

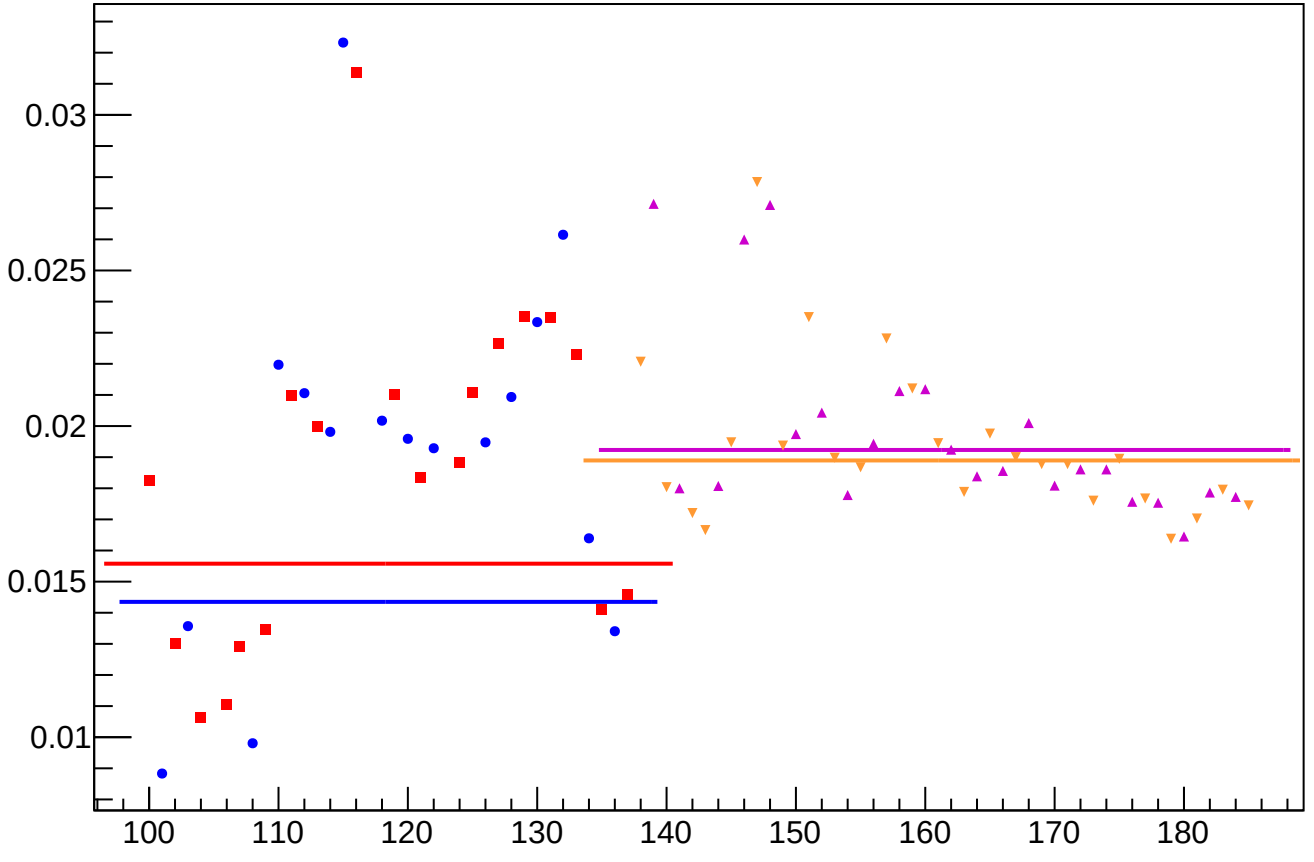
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.677+/-0.000 χ^2/NDF: 64235719250.8/40

All: 9.678+/-0.000 χ^2/NDF: 122922547731.9

- 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:441360.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

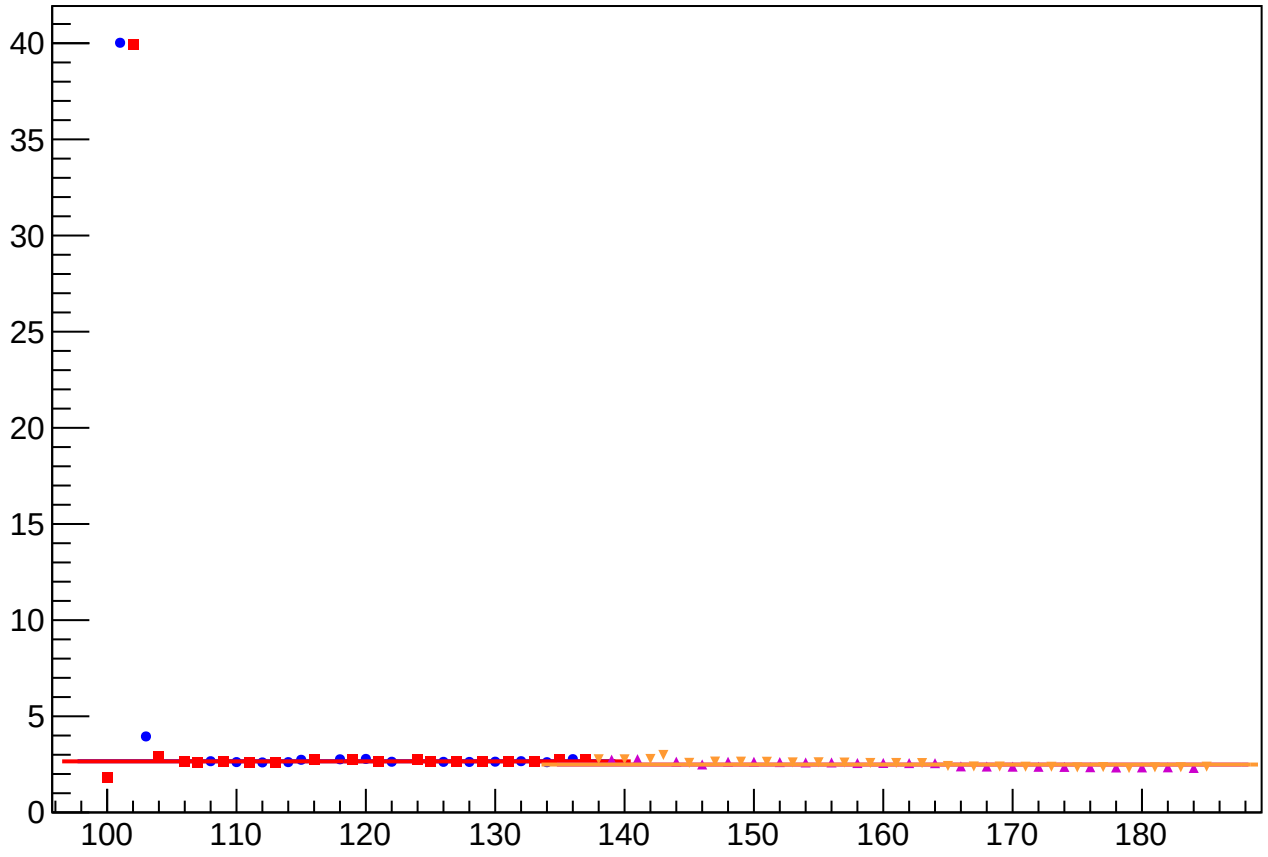
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.017+/-0.000 χ^2/NDF: 2654365.0/40

All: 0.018+/-0.000 χ^2/NDF: 4731743.6/82

- sign 0.018+/-0.000 χ^2/NDF: 2047035.6/41

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

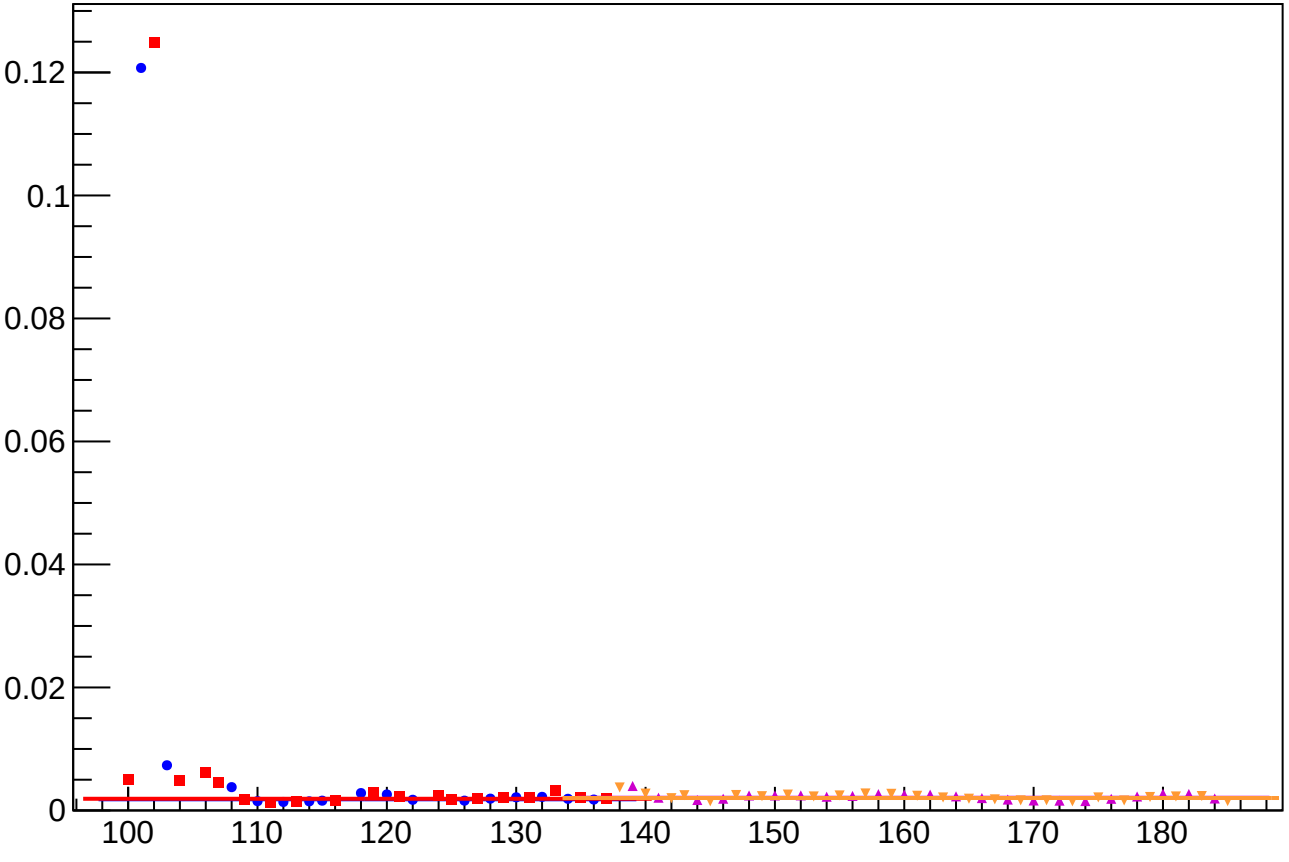
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.539+/-0.000 χ^2/NDF: 191251203994.9/40

All: 2.538+/-0.000 χ^2/NDF: 345615839332.3

- sign 2.537+/-0.000 χ^2/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:1556481.5/24

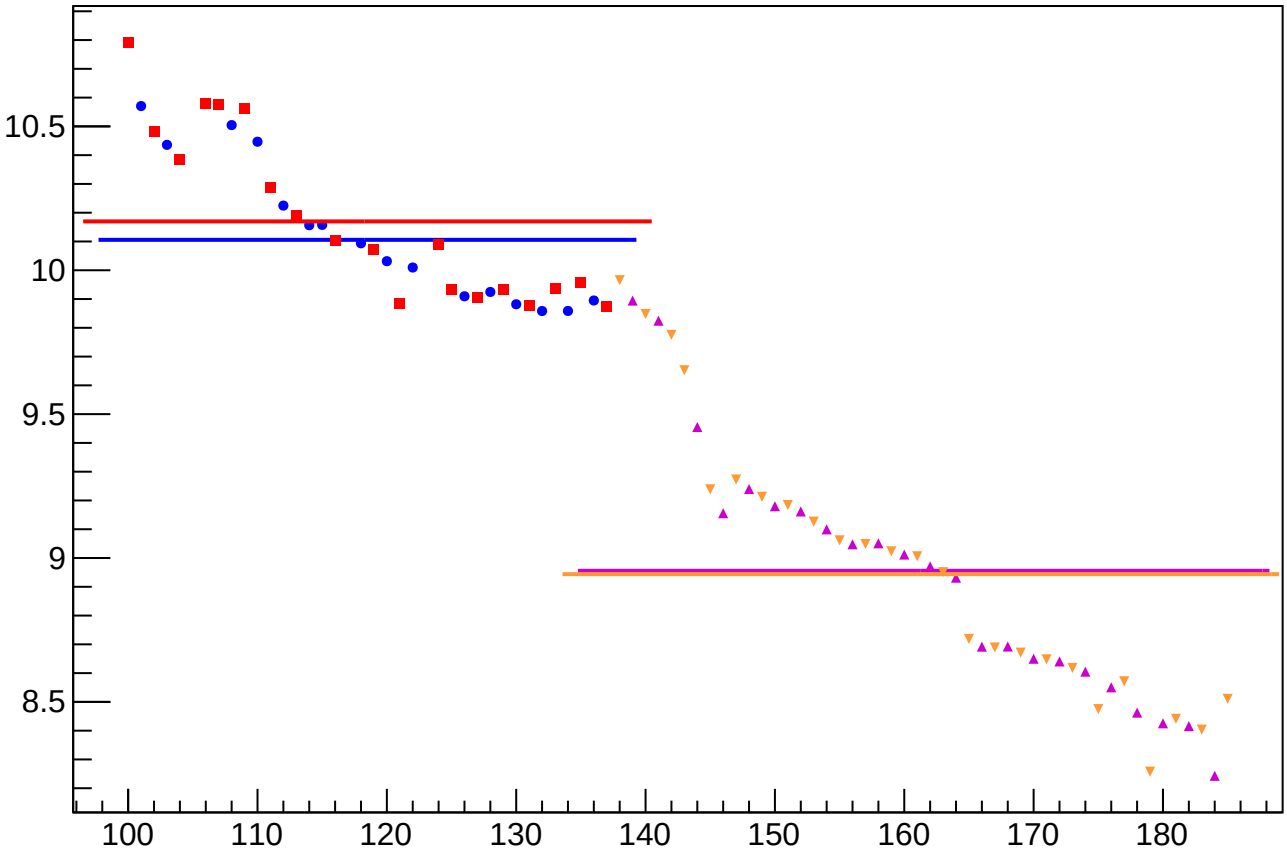
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 3471342.5/40

All: 0.002+/-0.000 χ^2/NDF: 7467848.1/82

- 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: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

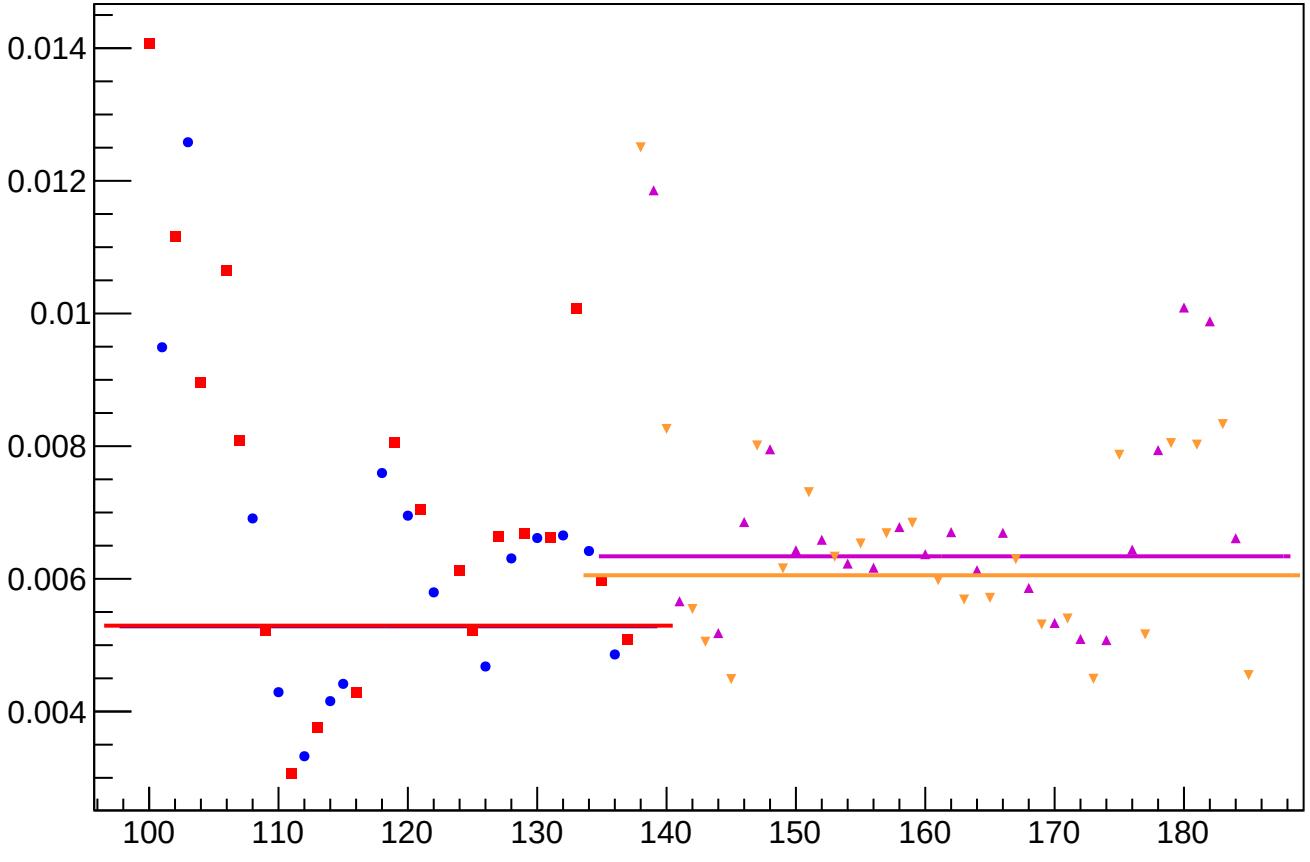
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.312+/-0.000 χ^2/NDF: 253305241914.7/40

All: 9.346+/-0.000 χ^2/NDF: 503497153978.2

- 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:1461022.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

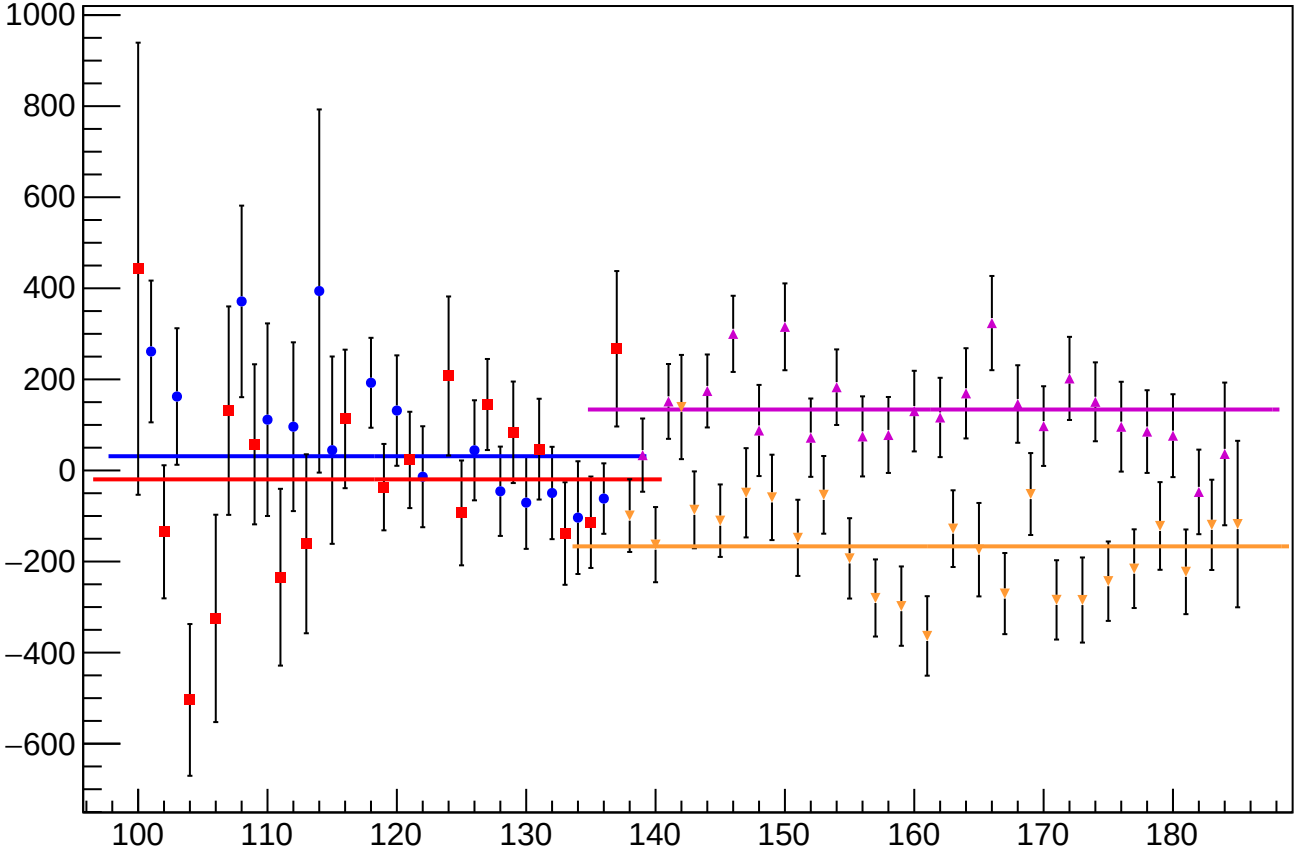
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 2891444.8/40

All: 0.006+/-0.000 χ^2/NDF: 6153016.9/82

- 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: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

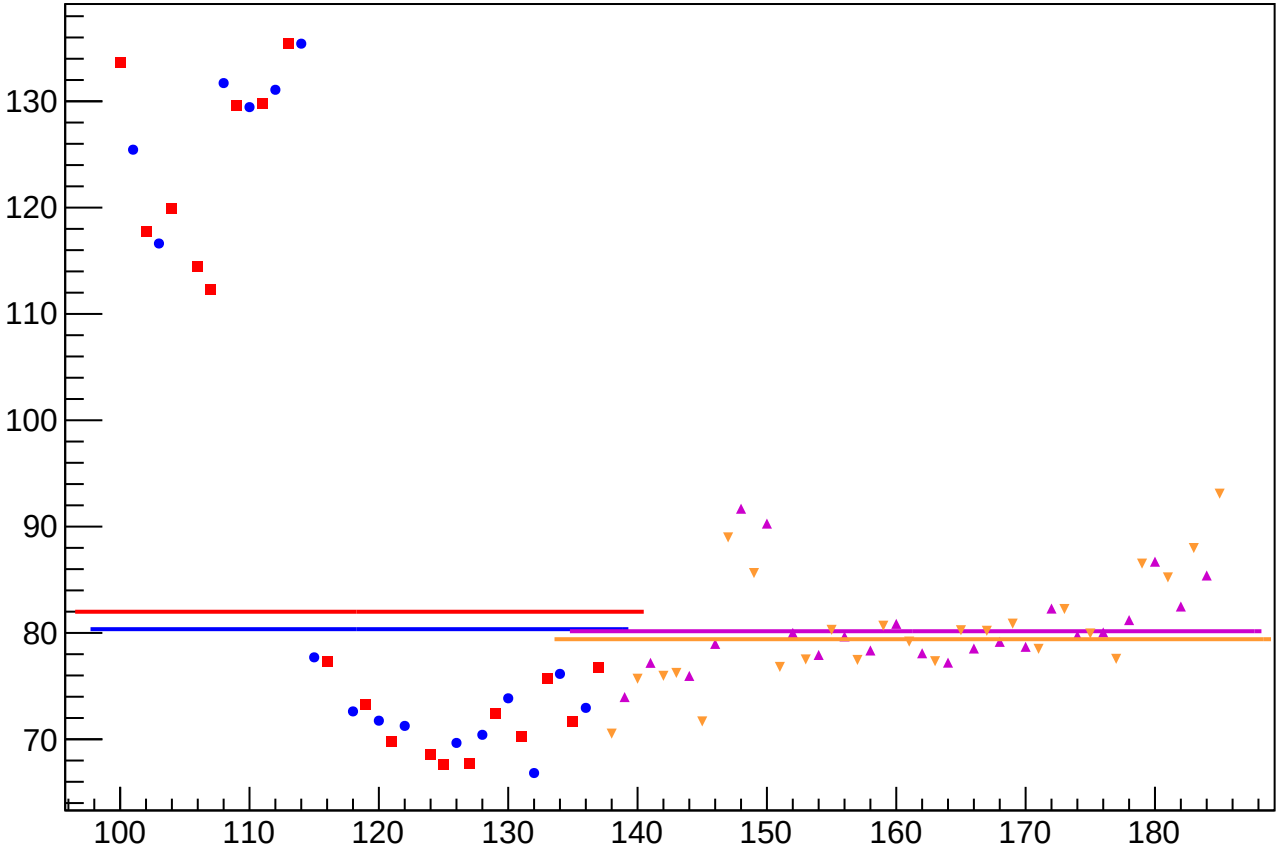
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -115.924+/-15.590 χ^2/NDF: 77.5/40

All: -14.611+/-11.185 χ^2/NDF: 229.0/82

- 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: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

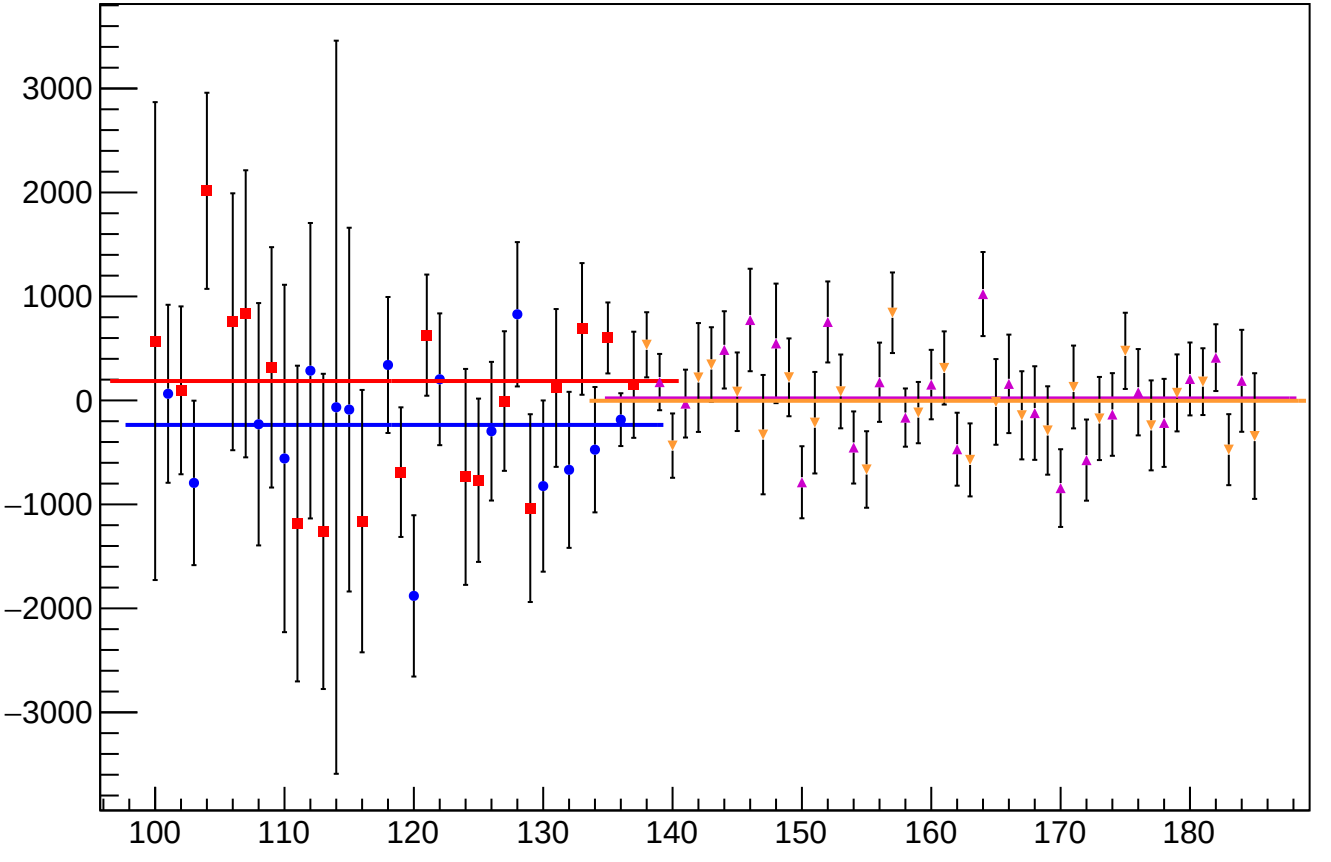
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.652+/-0.011 χ^2/NDF: 976232.7/40

All: 80.136+/-0.008 χ^2/NDF: 2009117.9/82

- 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: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

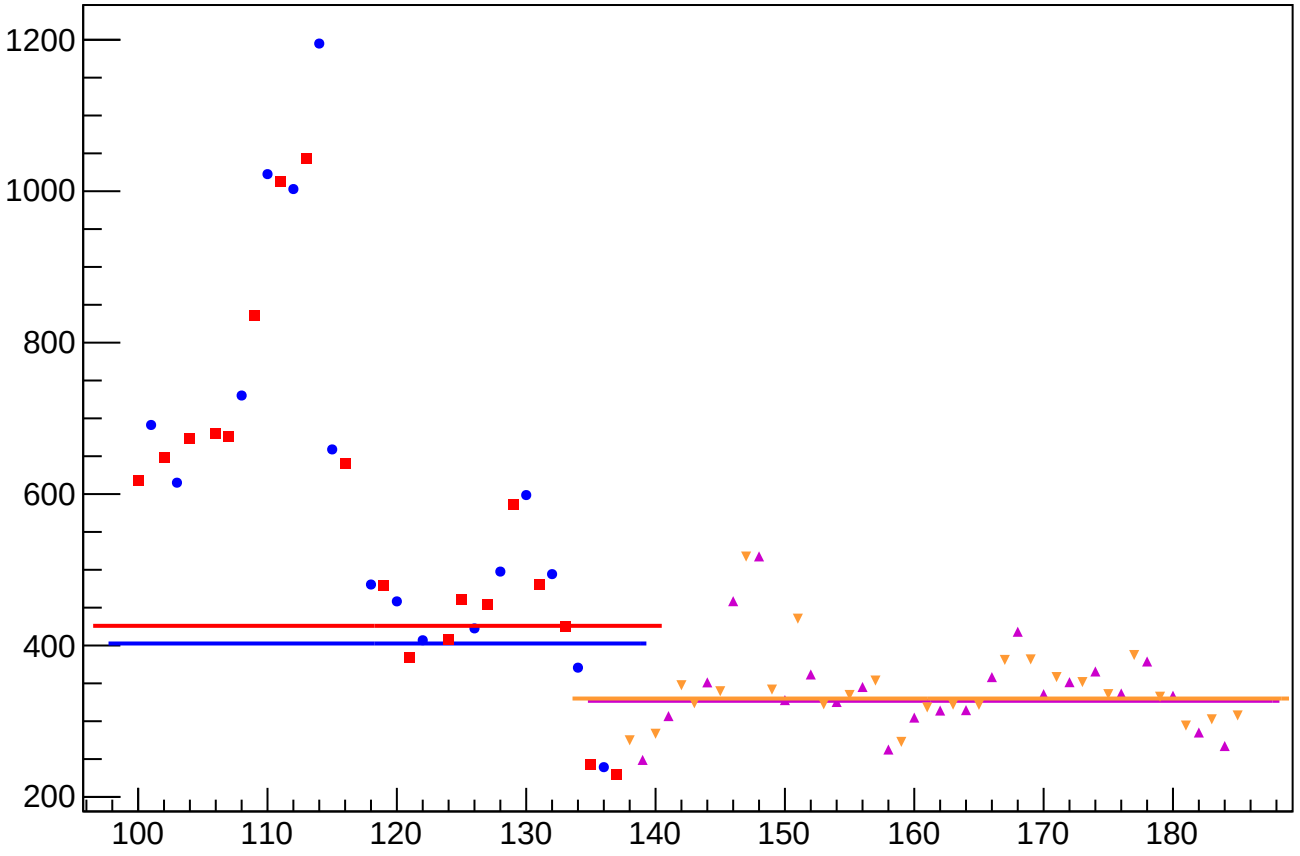
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -44.472+/-68.836 χ^2/NDF: 35.6/40

All: 0.611+/-49.278 χ^2/NDF: 88.3/82

- 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: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

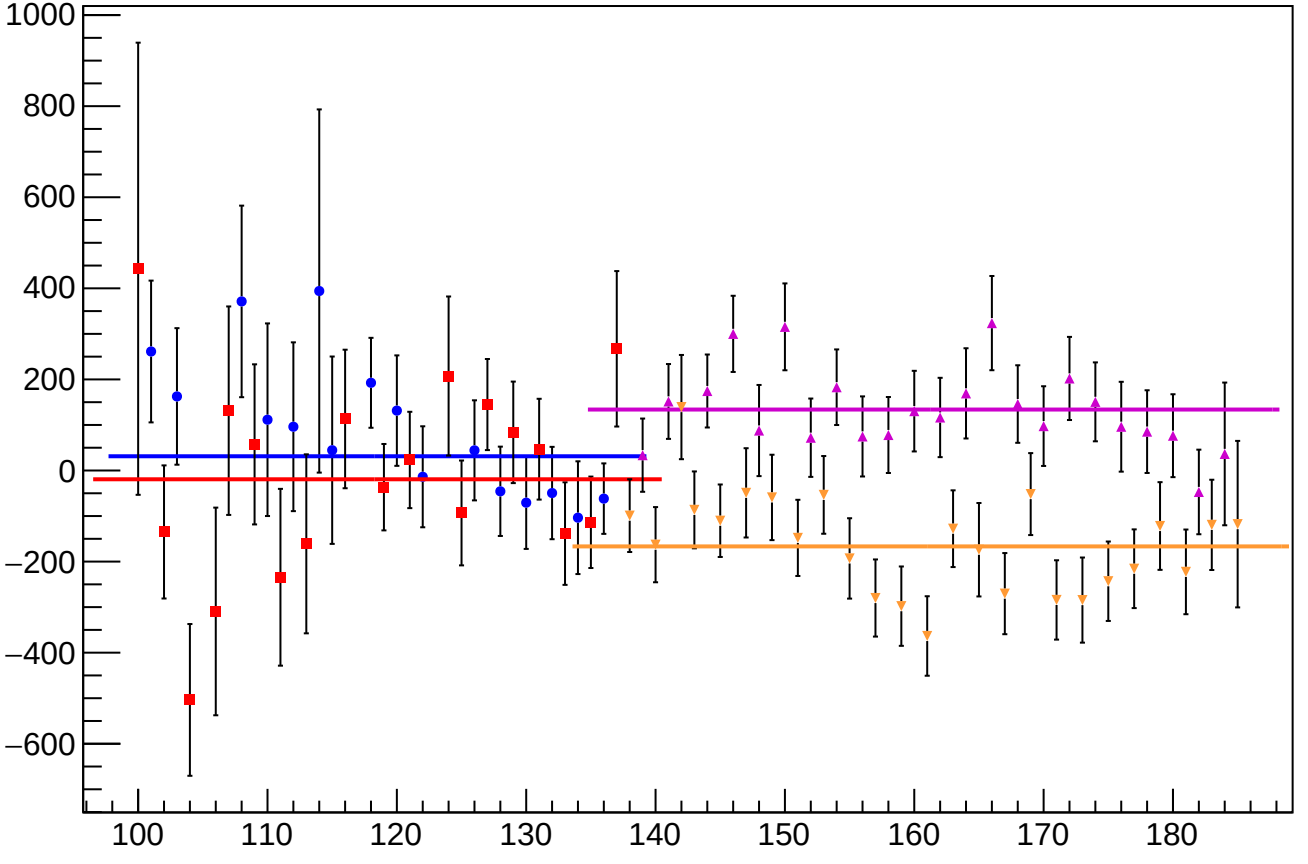
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 342.811+/-0.049 χ^2/NDF: 3343752.5/40

All: 343.366+/-0.035 χ^2/NDF: 7171635.8/82

- 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: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

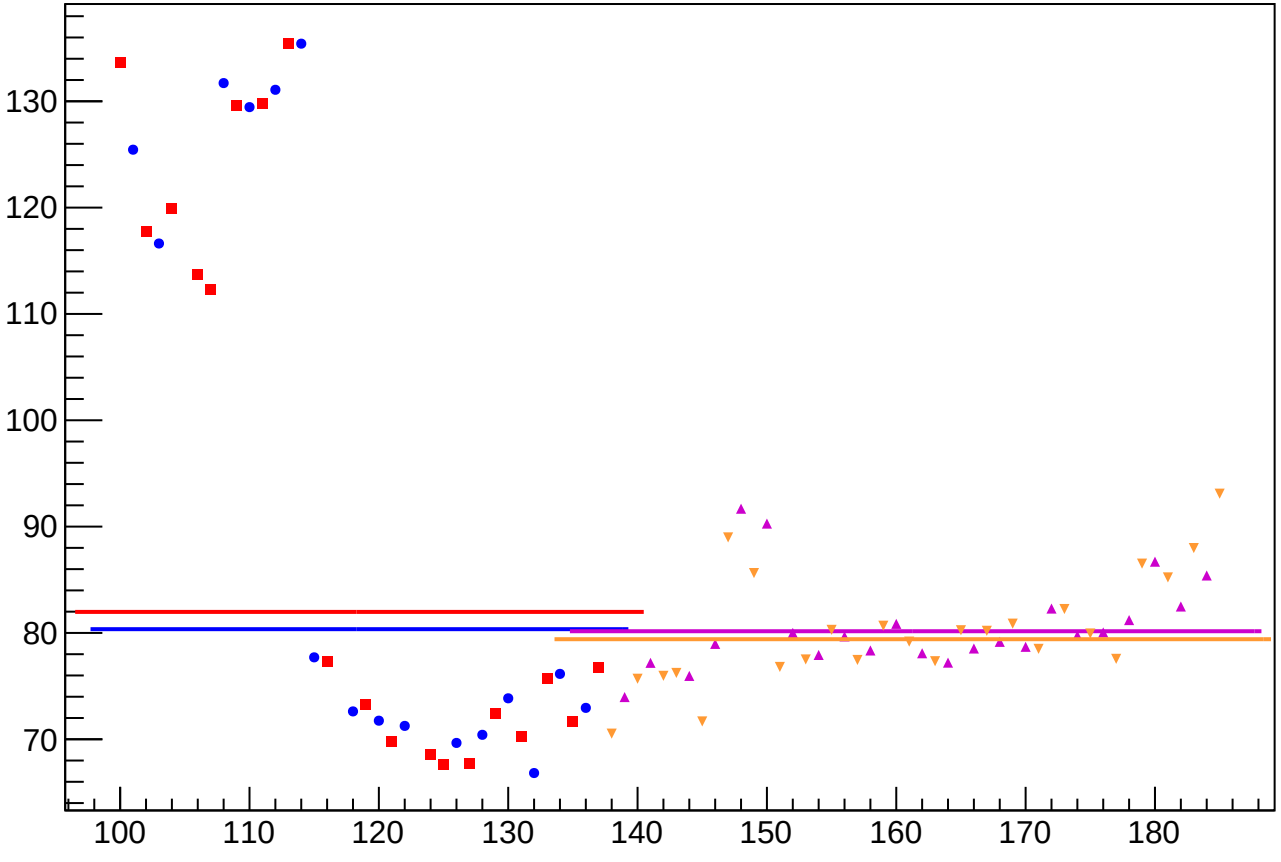
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -115.920+/-15.590 χ^2/NDF: 77.5/40

All: -14.569+/-11.185 χ^2/NDF: 228.8/82

- 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: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

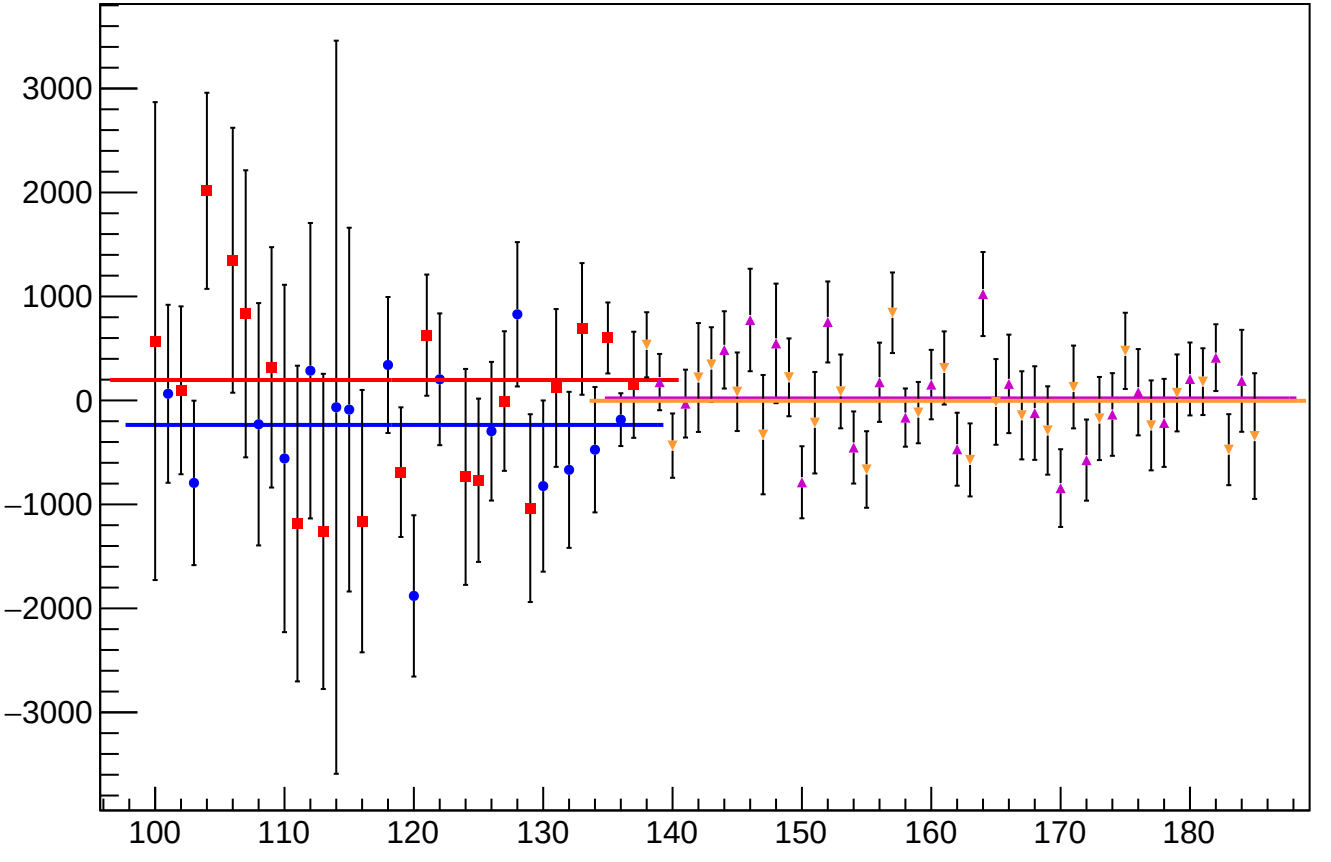
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

\+ sign 79.652+/-0.011 χ^2/NDF: 976232.9/40

All: 80.134+/-0.008 χ^2/NDF: 2007131.1/82

\- 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: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

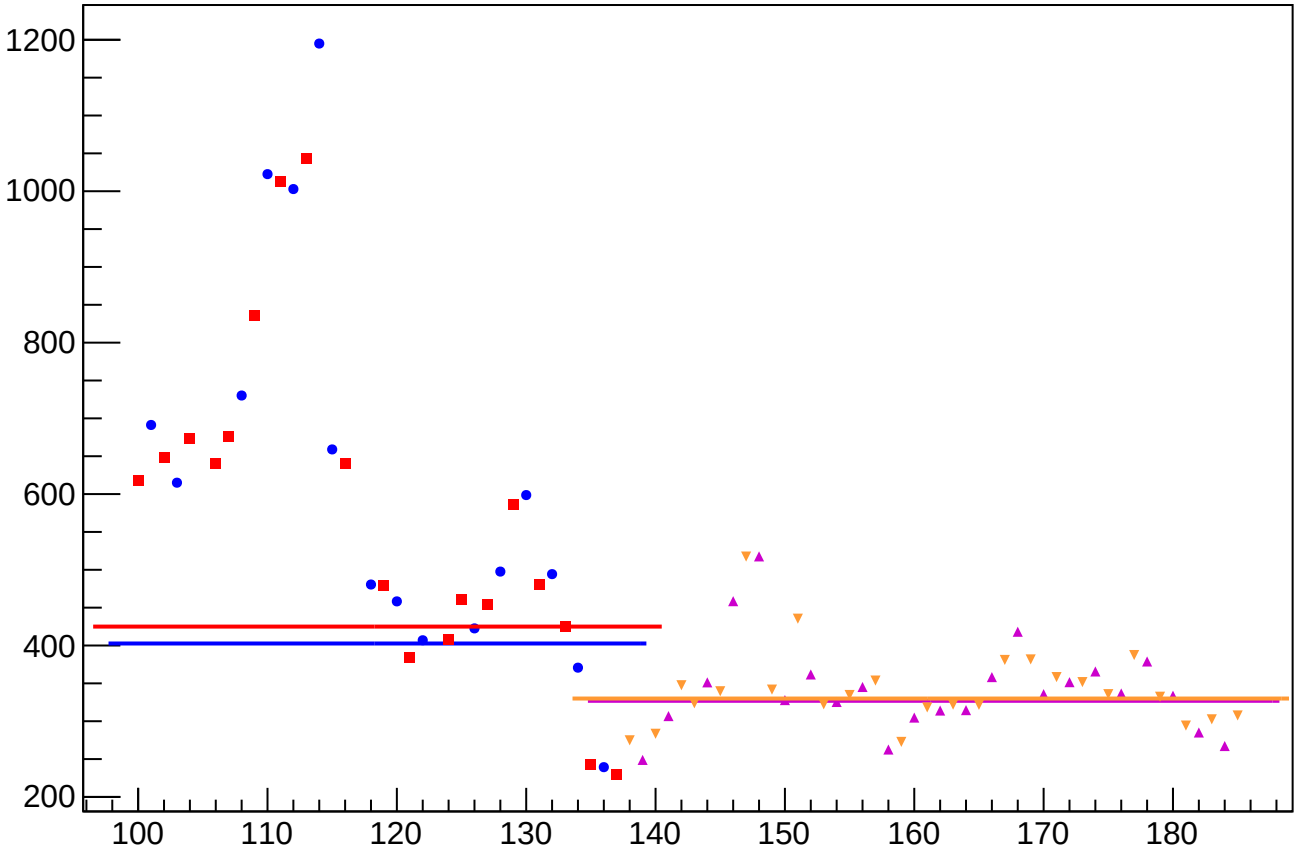
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -44.471+/-68.836 χ^2/NDF: 35.6/40

All: 1.428+/-49.280 χ^2/NDF: 89.0/82

- 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: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

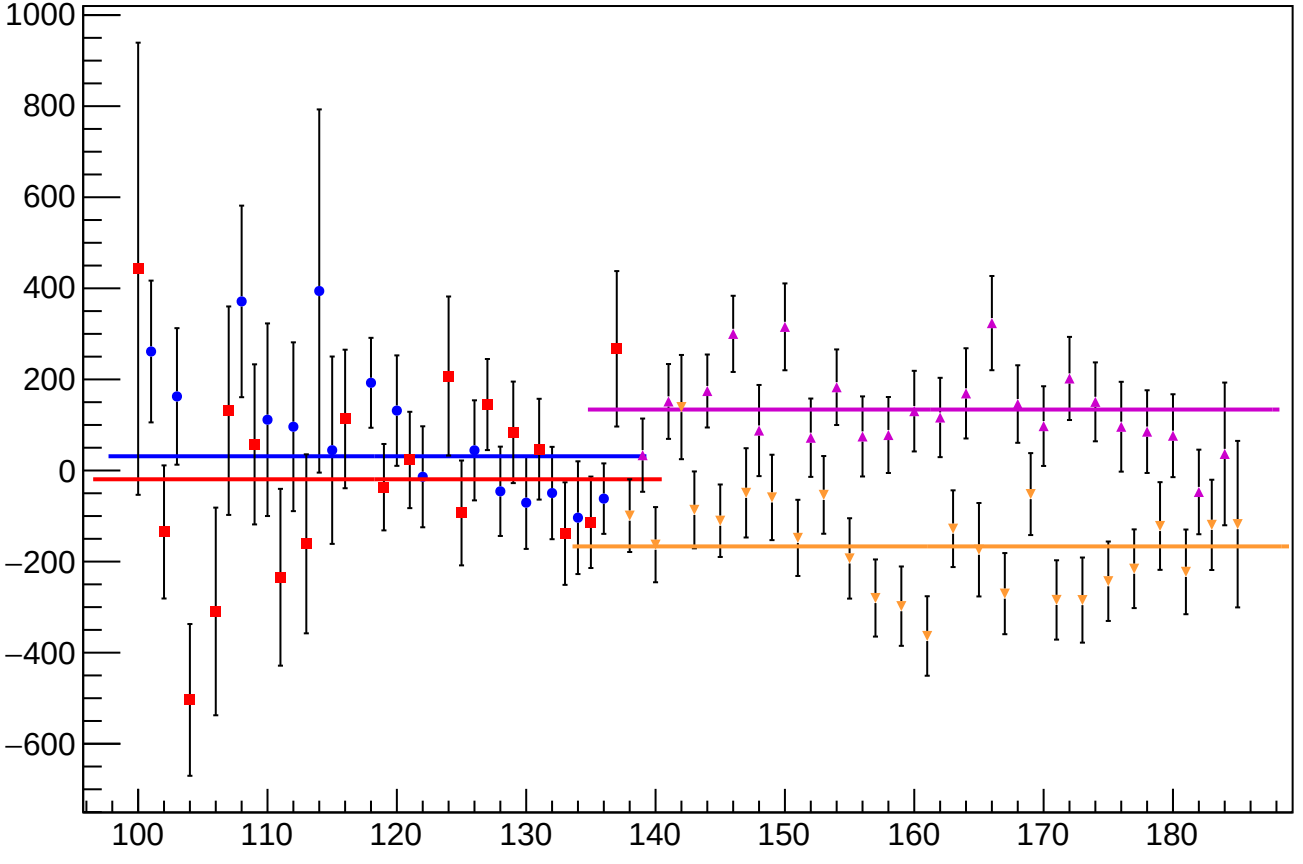
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 342.811+/-0.049 χ^2/NDF: 3343758.8/40

All: 343.275+/-0.035 χ^2/NDF: 7132123.8/82

- 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: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

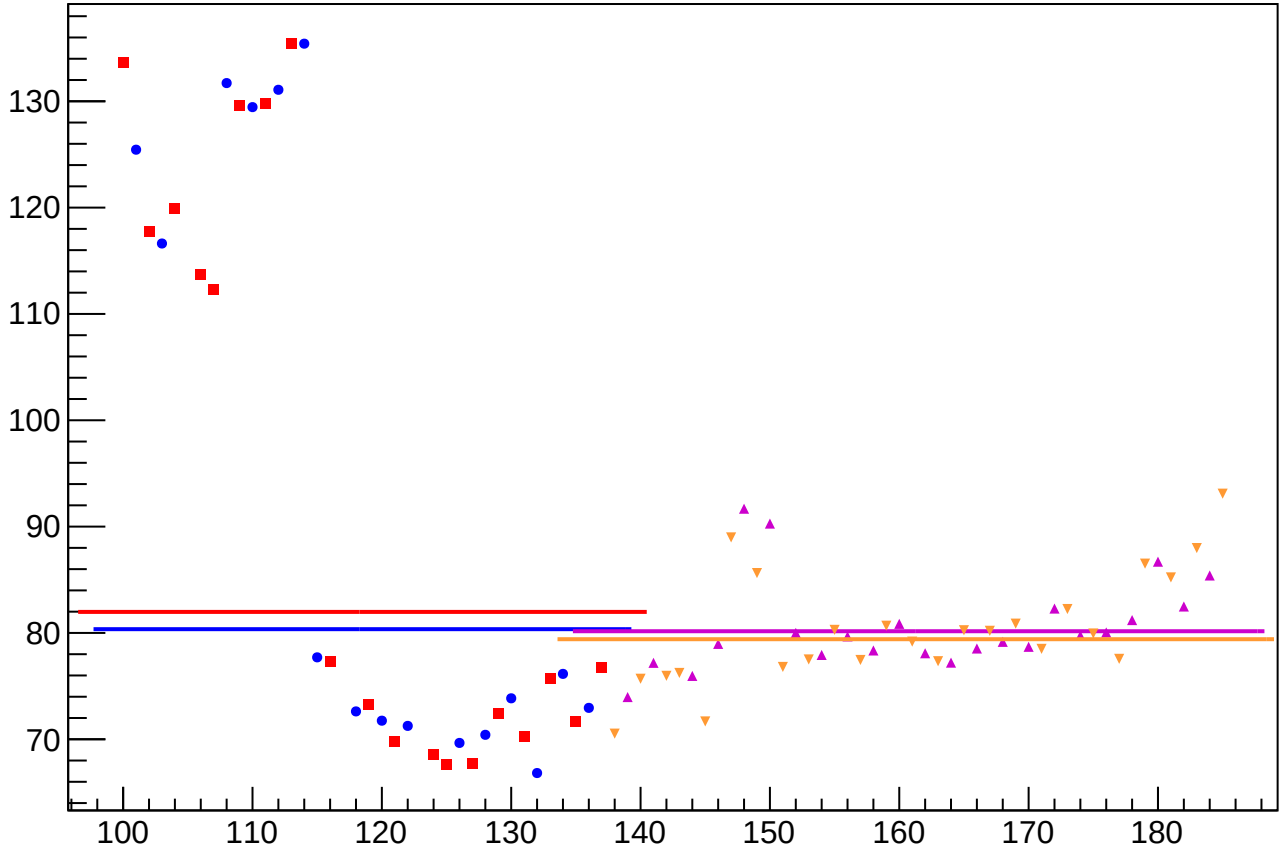
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -115.920+/-15.590 χ^2/NDF: 77.5/40

All: -14.569+/-11.185 χ^2/NDF: 228.8/82

- 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: 79.410+/-0.013 χ^2/NDF:134796.1/24

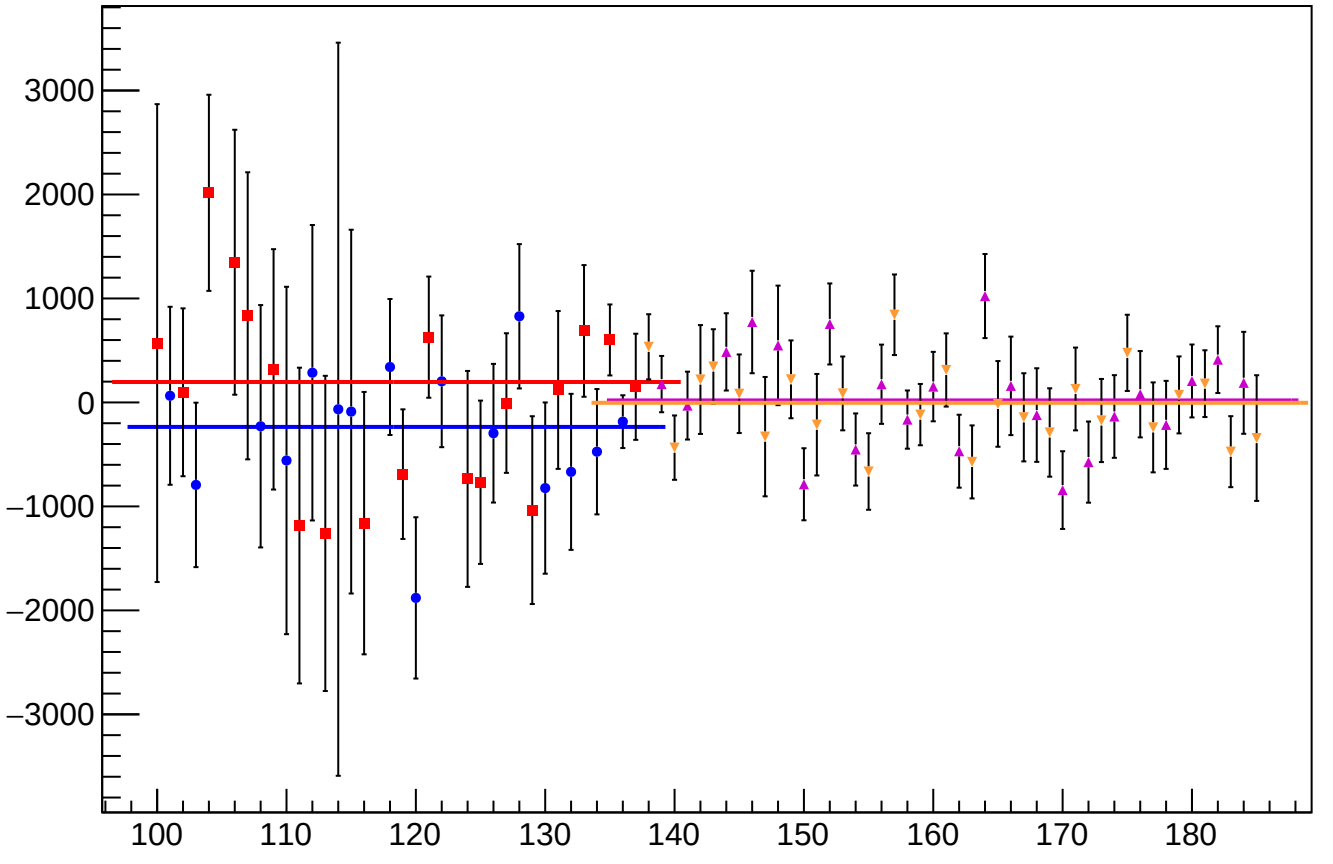
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.652+/-0.011 χ^2/NDF: 976232.9/40

All: 80.134+/-0.008 χ^2/NDF: 2007131.1/82

- 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: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

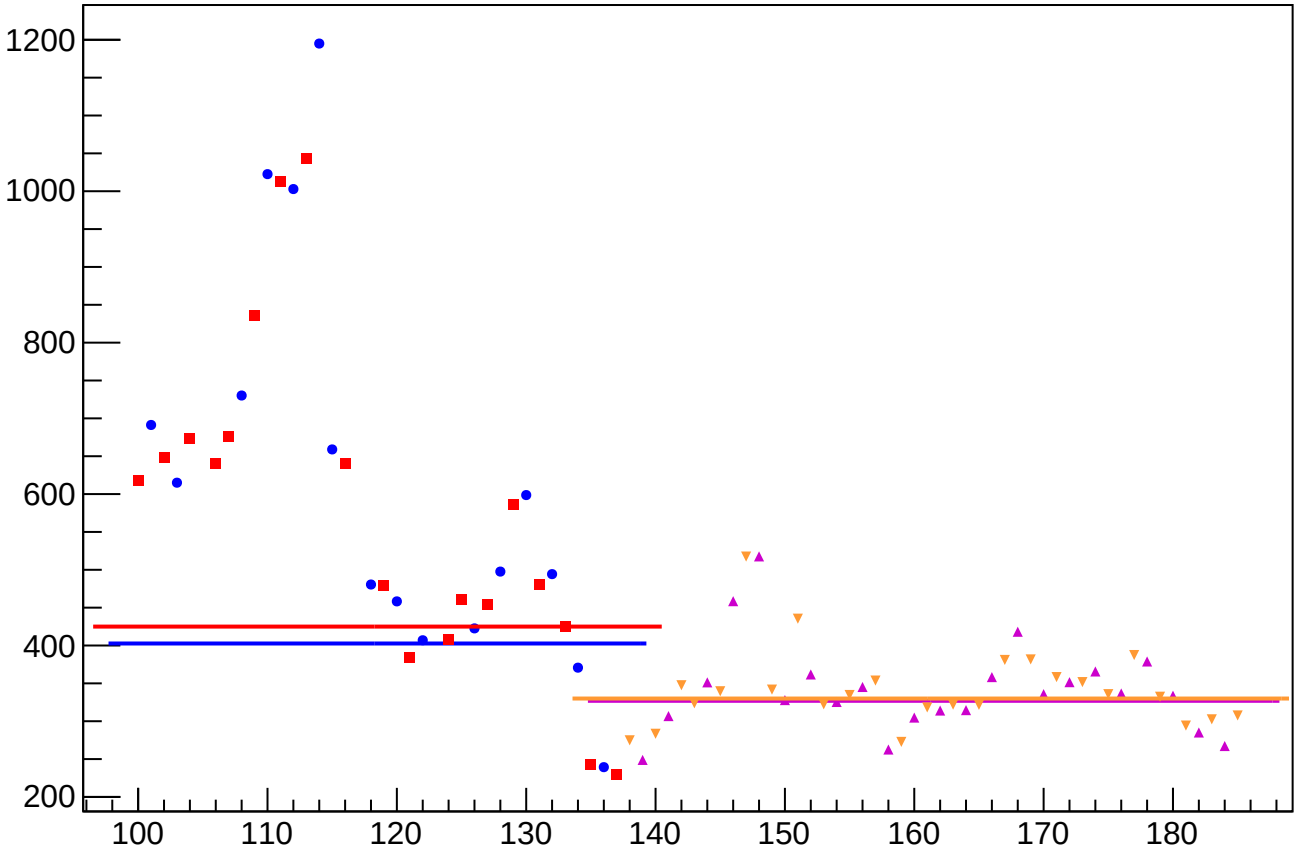
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -44.471+/-68.836 χ^2/NDF: 35.6/40

All: 1.428+/-49.280 χ^2/NDF: 89.0/82

\- 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: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

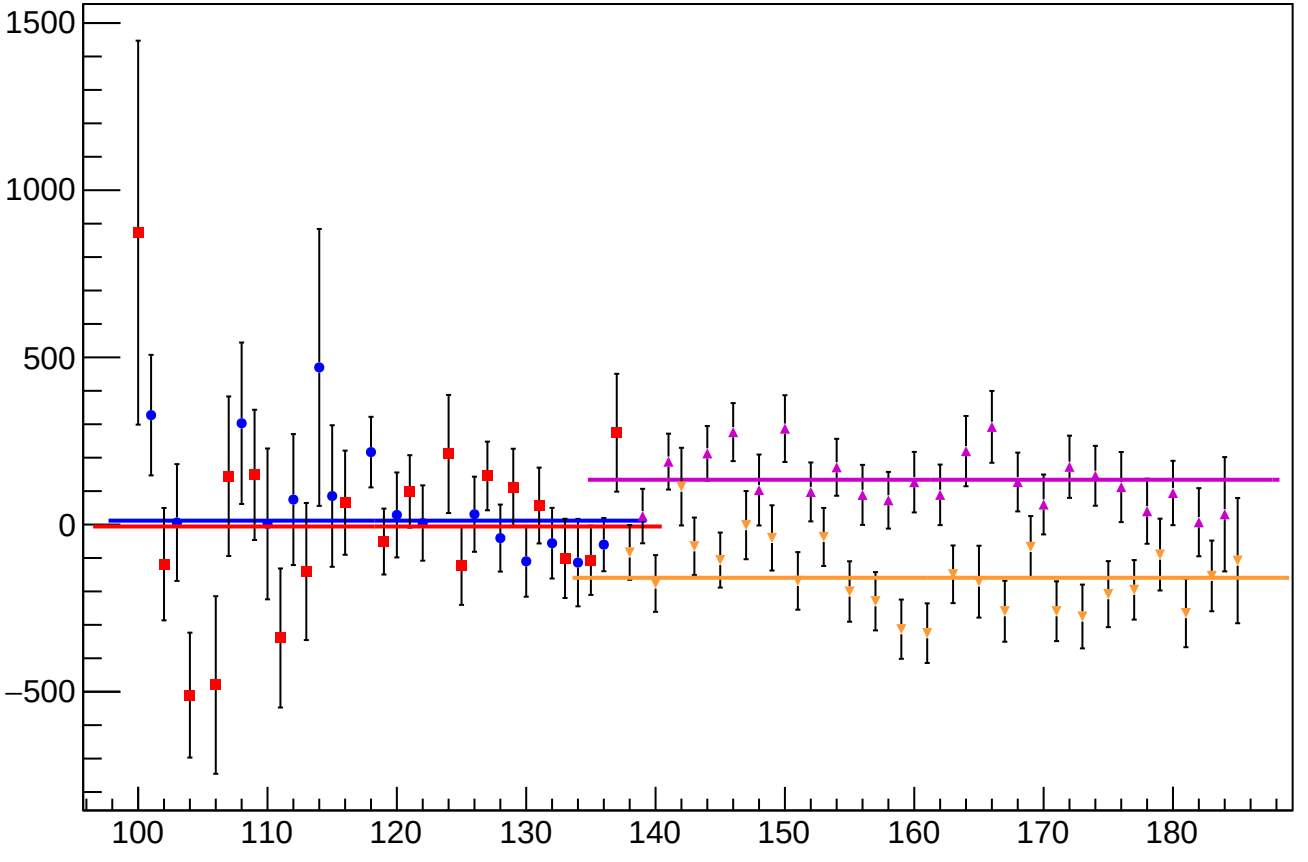
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 342.811+/-0.049 χ^2/NDF: 3343758.8/40

All: 343.275+/-0.035 χ^2/NDF: 7132123.8/82

- 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: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

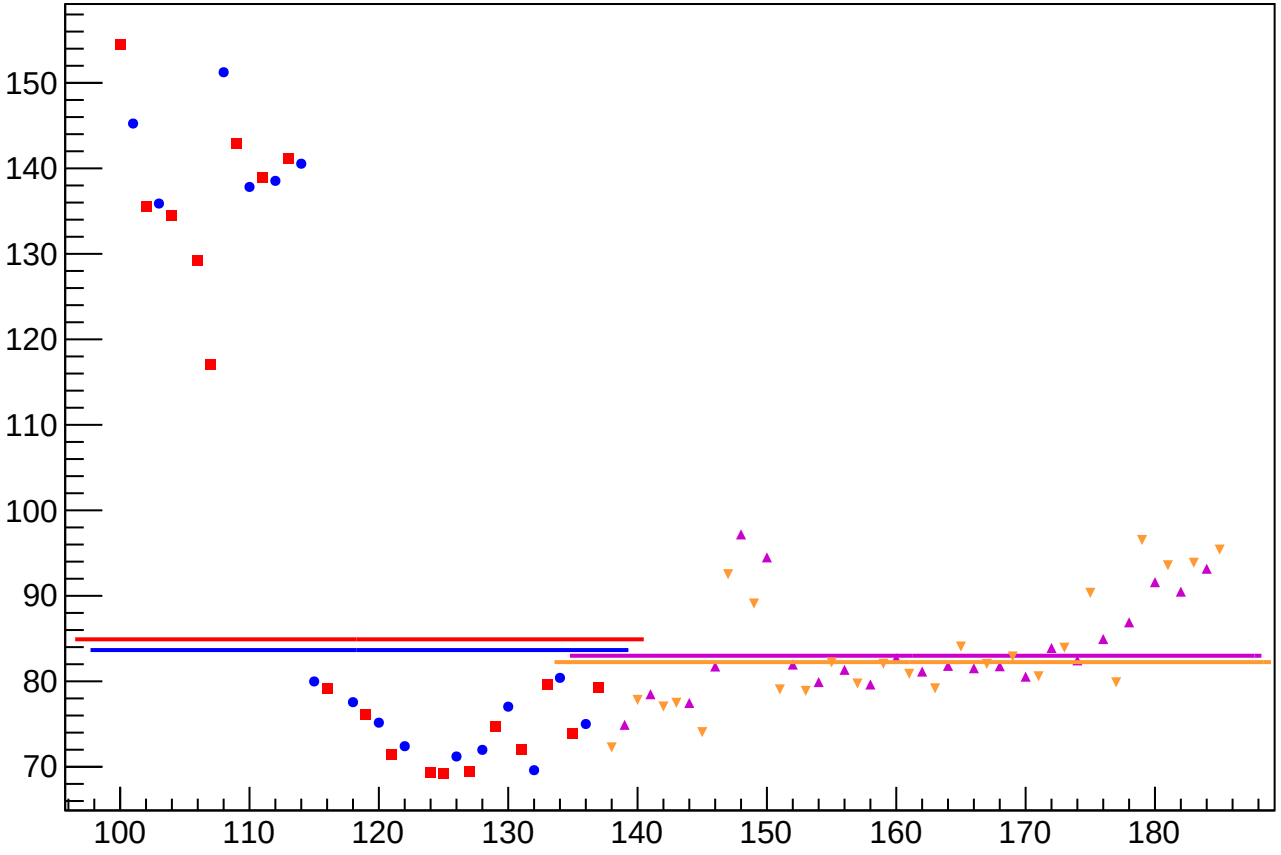
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -116.152+/-16.215 χ^2/NDF: 62.6/40

All: -12.531+/-11.625 χ^2/NDF: 205.5/82

- 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: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

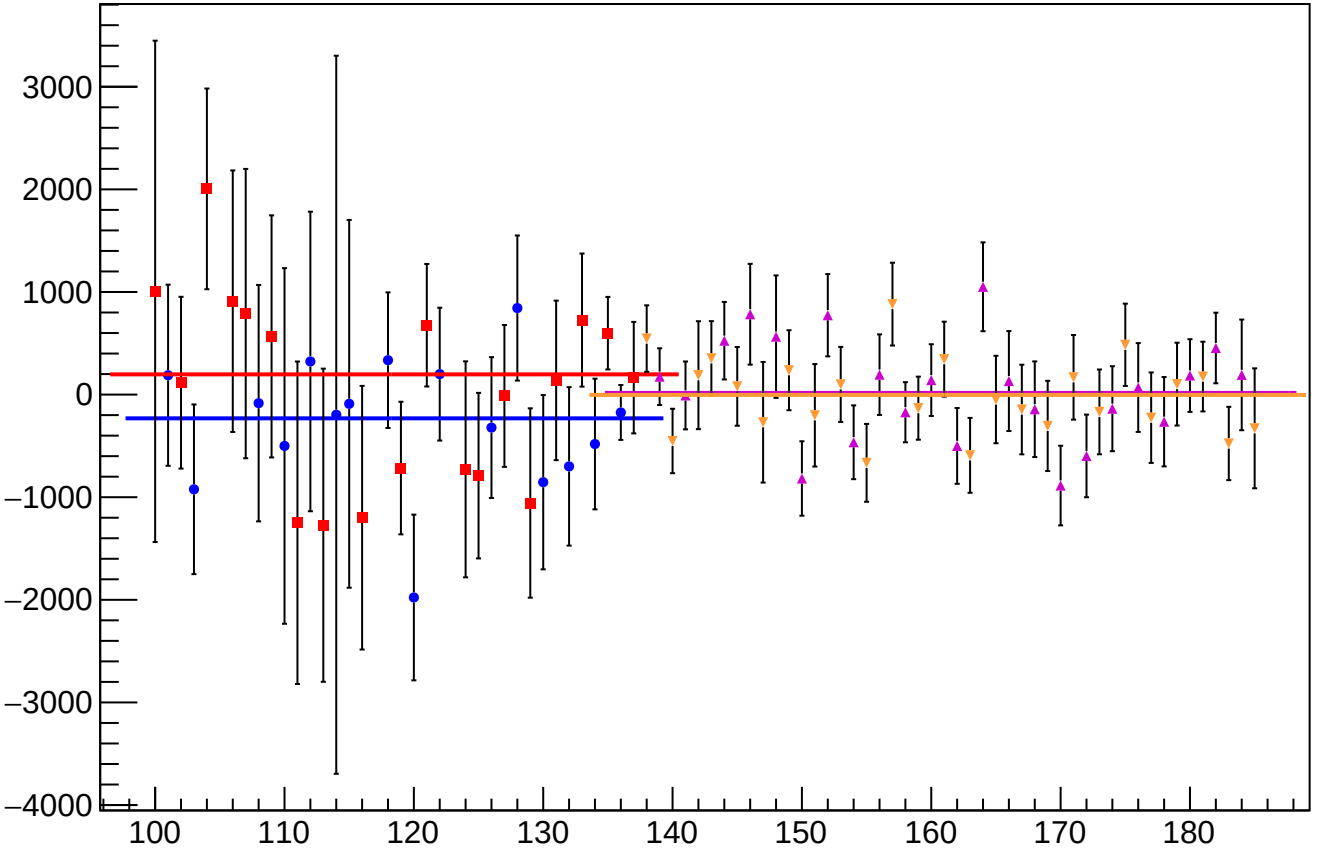
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.603+/-0.011 χ^2/NDF: 1254193.2/40

All: 83.039+/-0.008 χ^2/NDF: 2529603.8/82

- 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: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

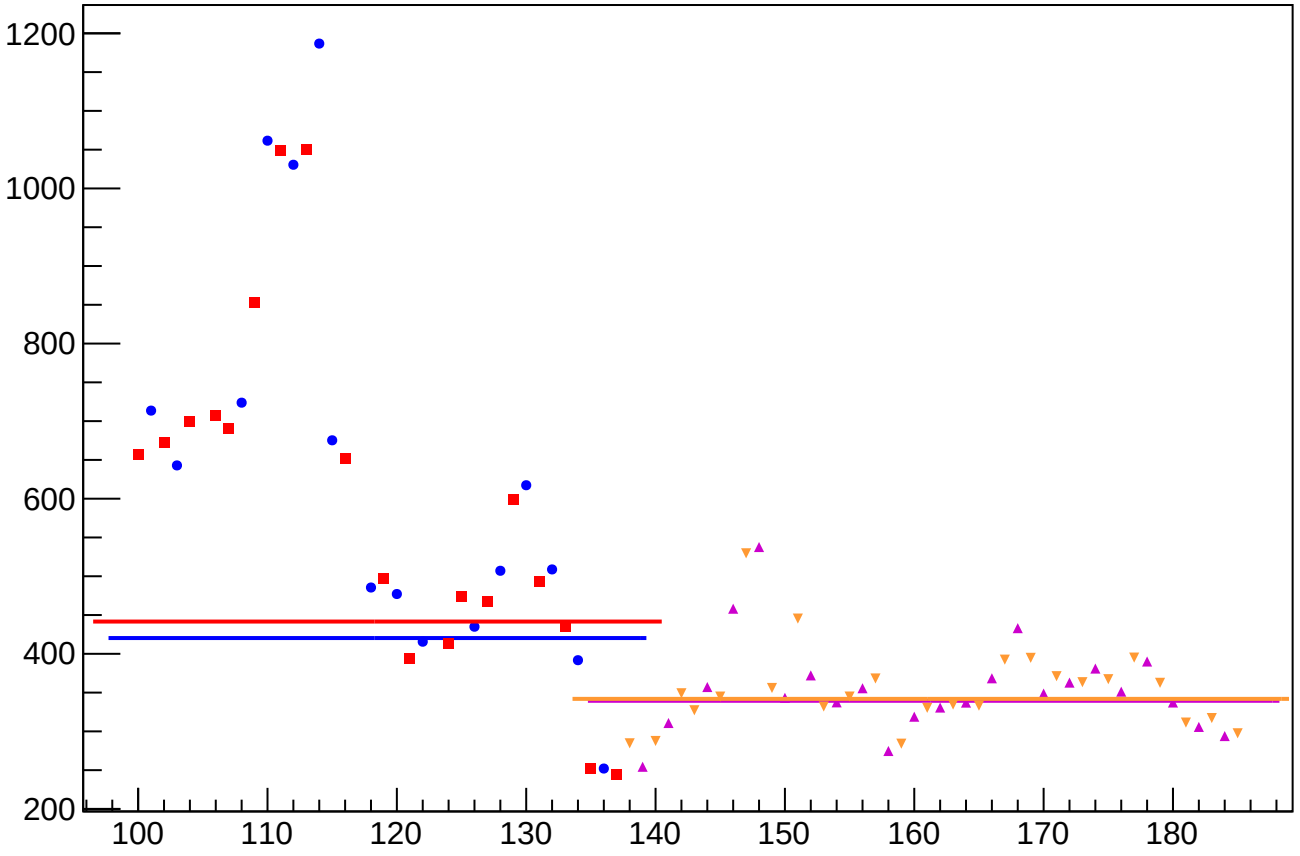
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -43.238+/-71.340 χ^2/NDF: 35.4/40

All: 1.093+/-51.071 χ^2/NDF: 87.9/82

- 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: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

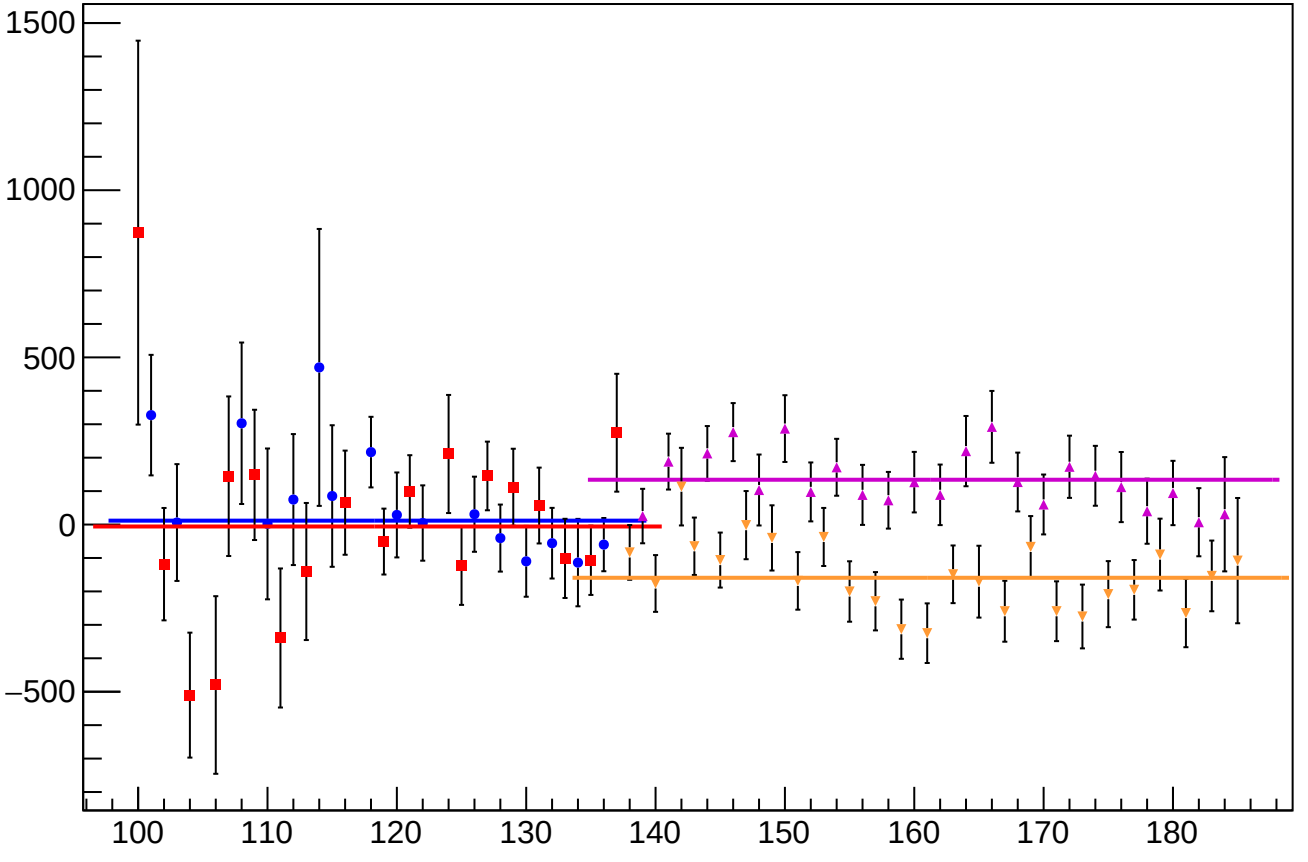
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 355.705+/-0.050 χ^2/NDF: 3258673.7/40

All: 356.364+/-0.036 χ^2/NDF: 6970417.3/82

- 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: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

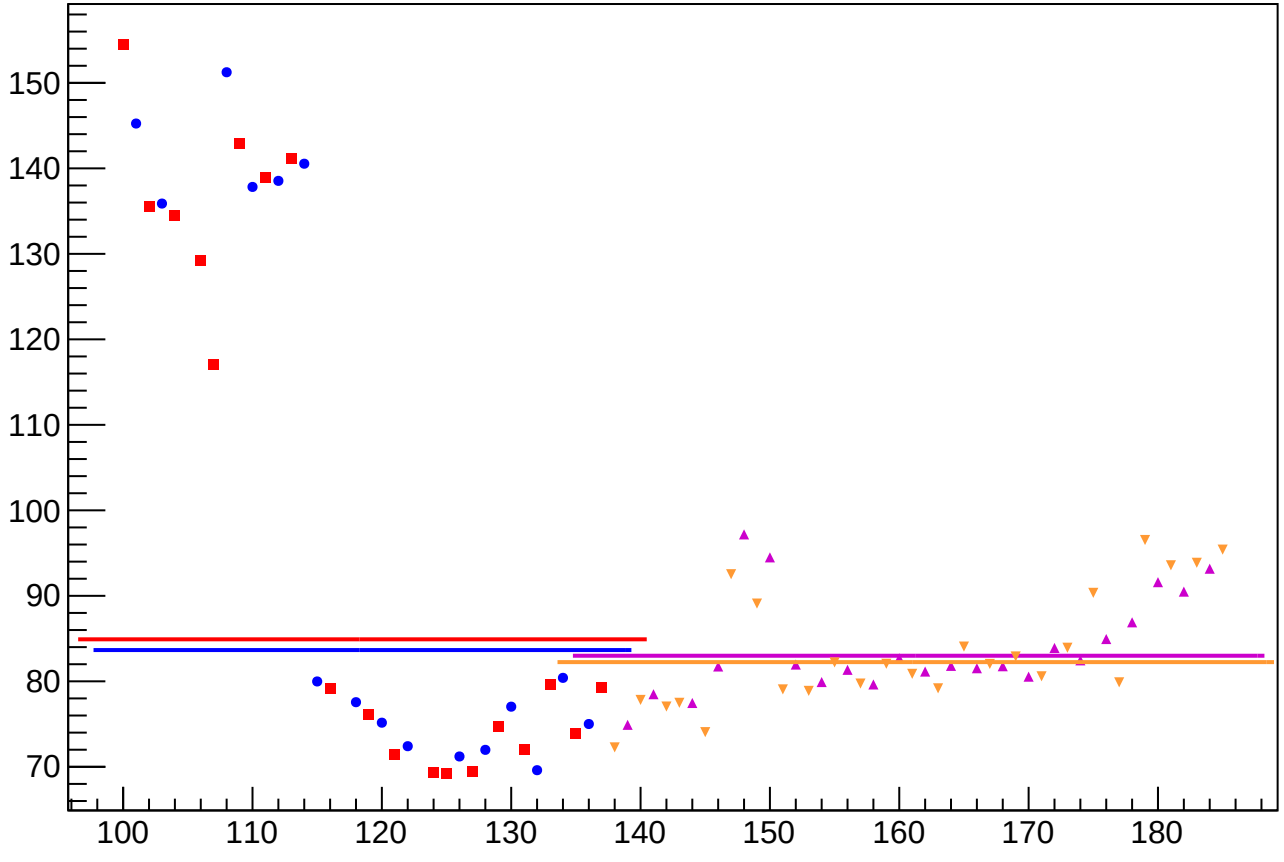
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -116.152+/-16.215 χ^2/NDF: 62.6/40

All: -12.530+/-11.625 χ^2/NDF: 205.5/82

- 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: 82.247+/-0.013 χ^2/NDF:216548.5/24

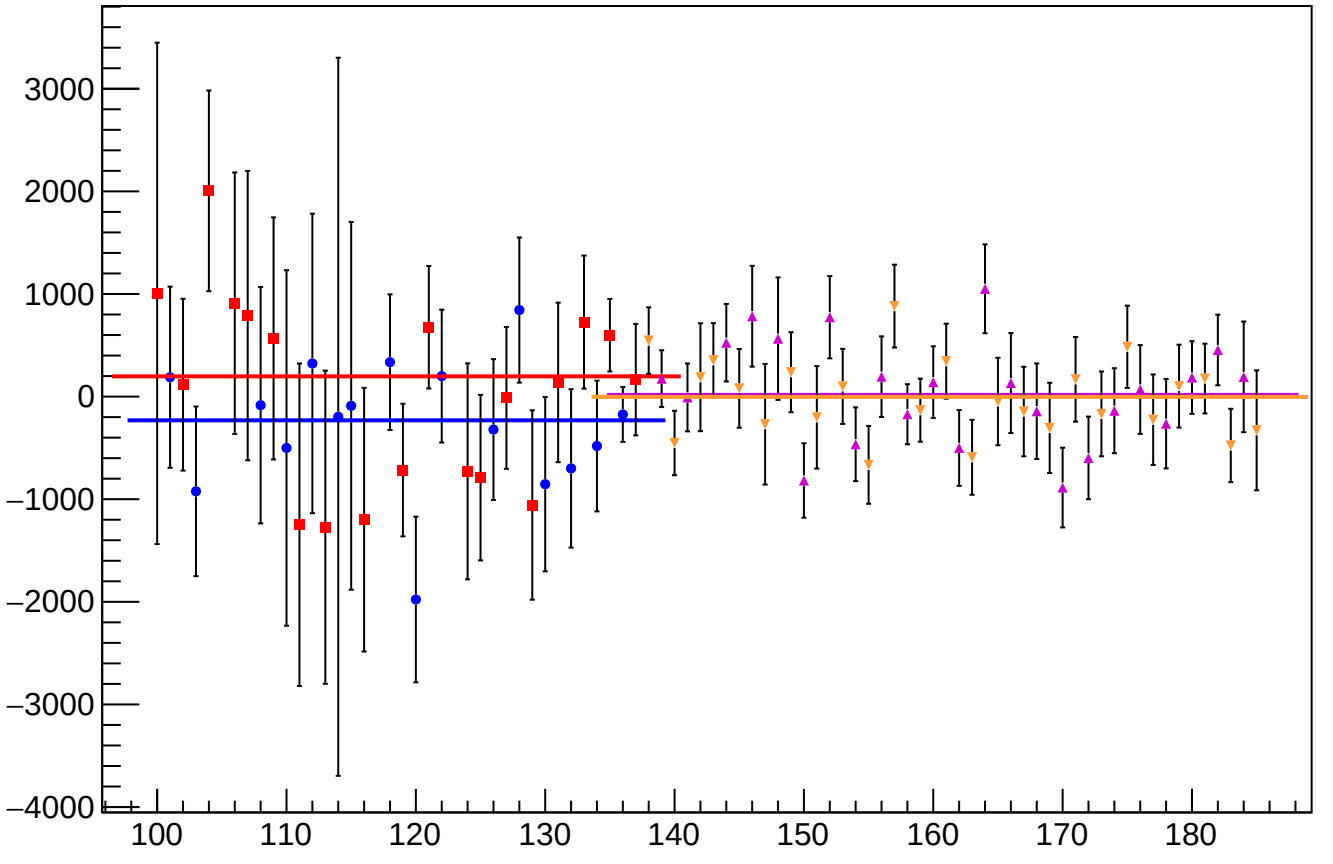
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.603+/-0.011 χ^2/NDF: 1254192.7/40

All: 83.039+/-0.008 χ^2/NDF: 2529600.5/82

- 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: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

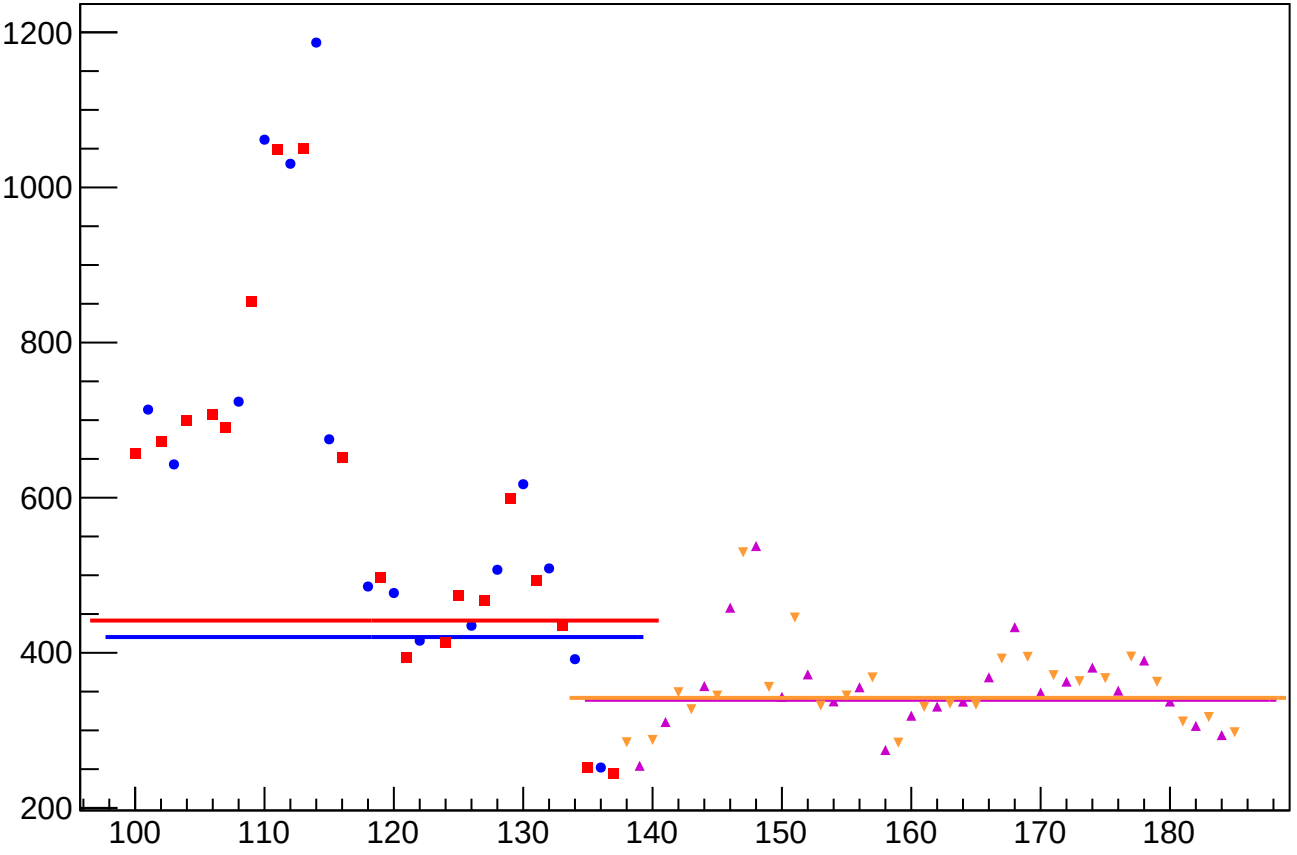
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -43.237+/-71.340 χ^2/NDF: 35.4/40

All: 1.093+/-51.071 χ^2/NDF: 87.9/82

- 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: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

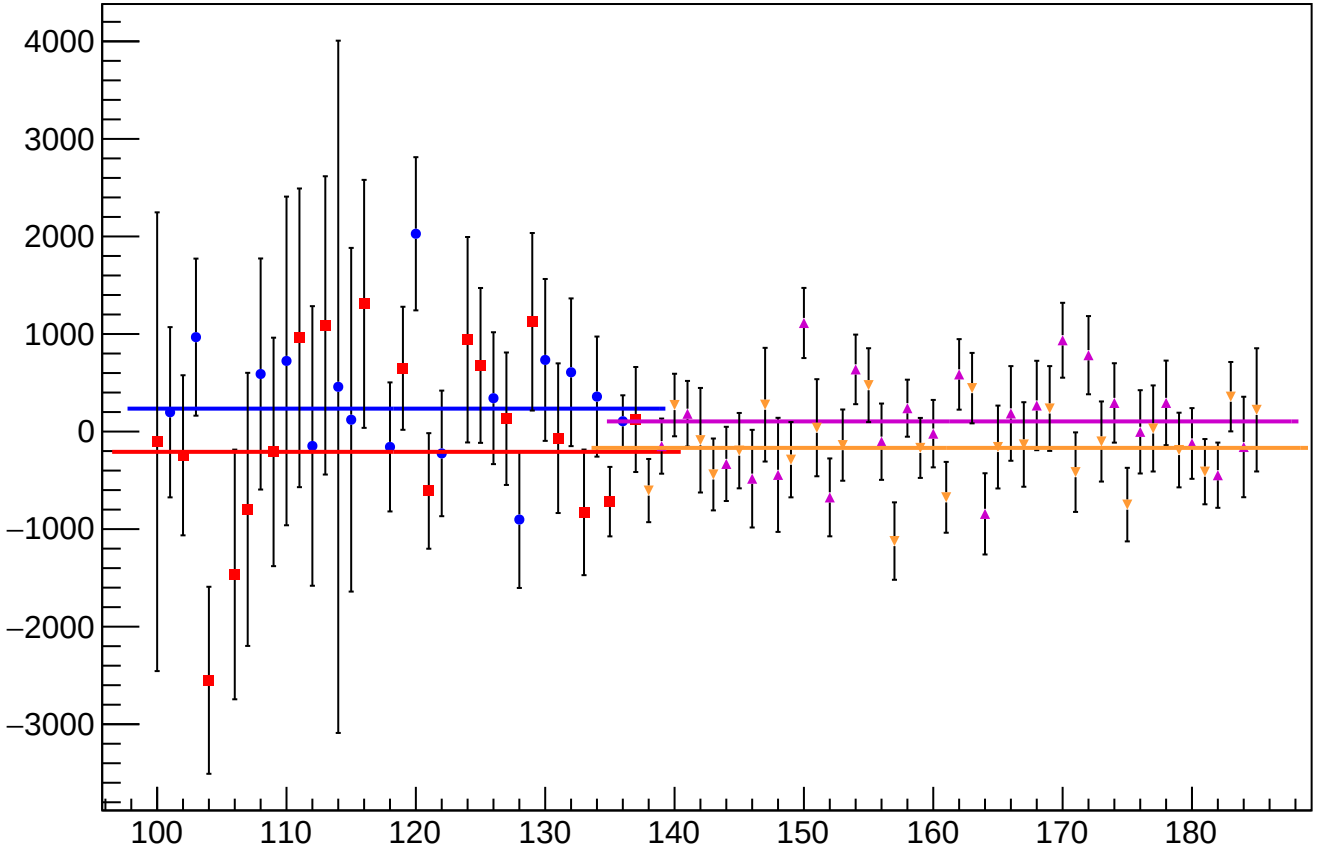
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

\+ sign 355.704+/-0.050 χ^2/NDF: 3258676.0/40

All: 356.364+/-0.036 χ^2/NDF: 6970422.8/82

\- 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: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

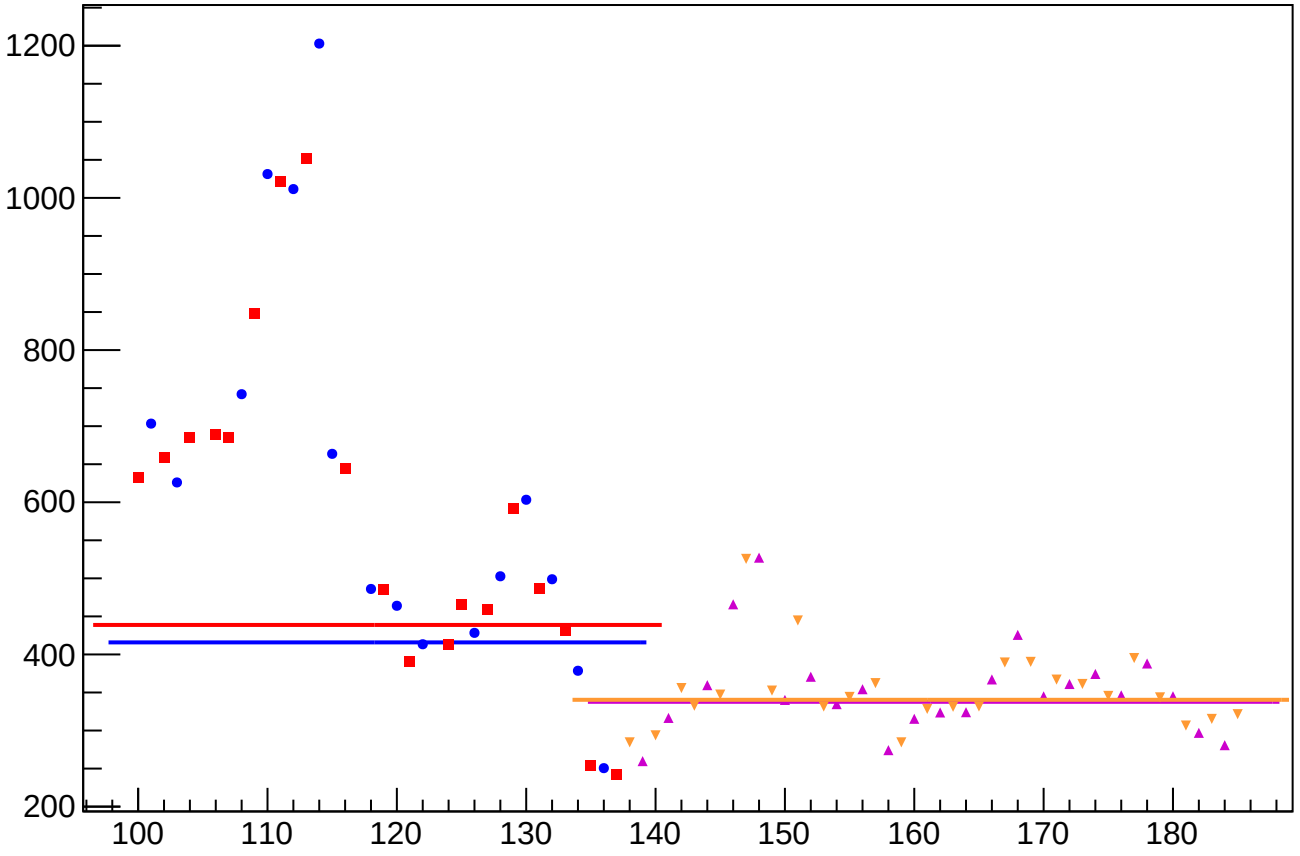
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -95.884+/-70.895 χ^2/NDF: 41.0/40

All: -24.832+/-50.768 χ^2/NDF: 103.5/82

- 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: 340.391+/-0.055 χ^2/NDF:604155.3/24

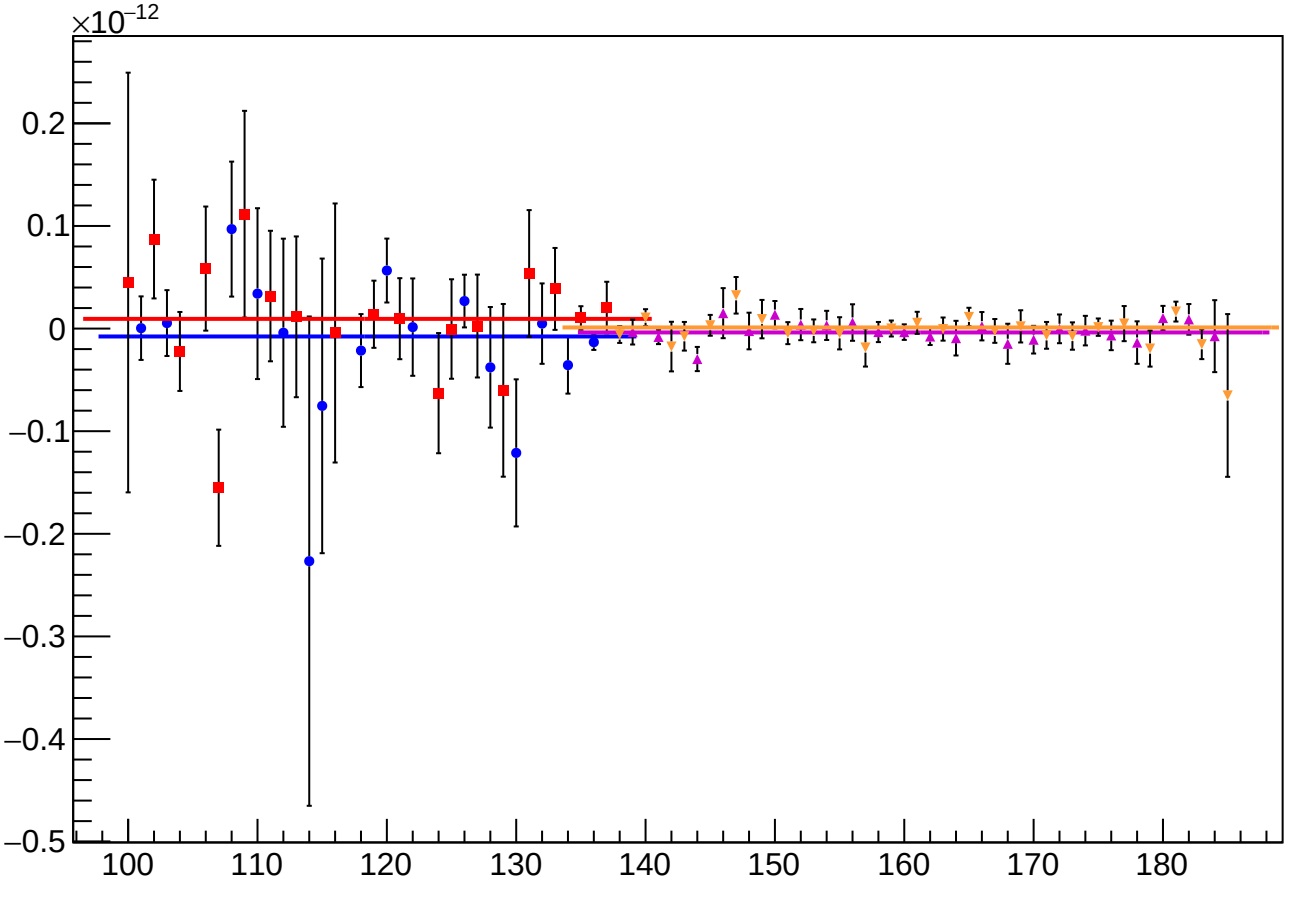
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 353.795+/-0.050 χ^2/NDF: 3159034.3/40

All: 354.511+/-0.036 χ^2/NDF: 6767587.6/82

- 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:16.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

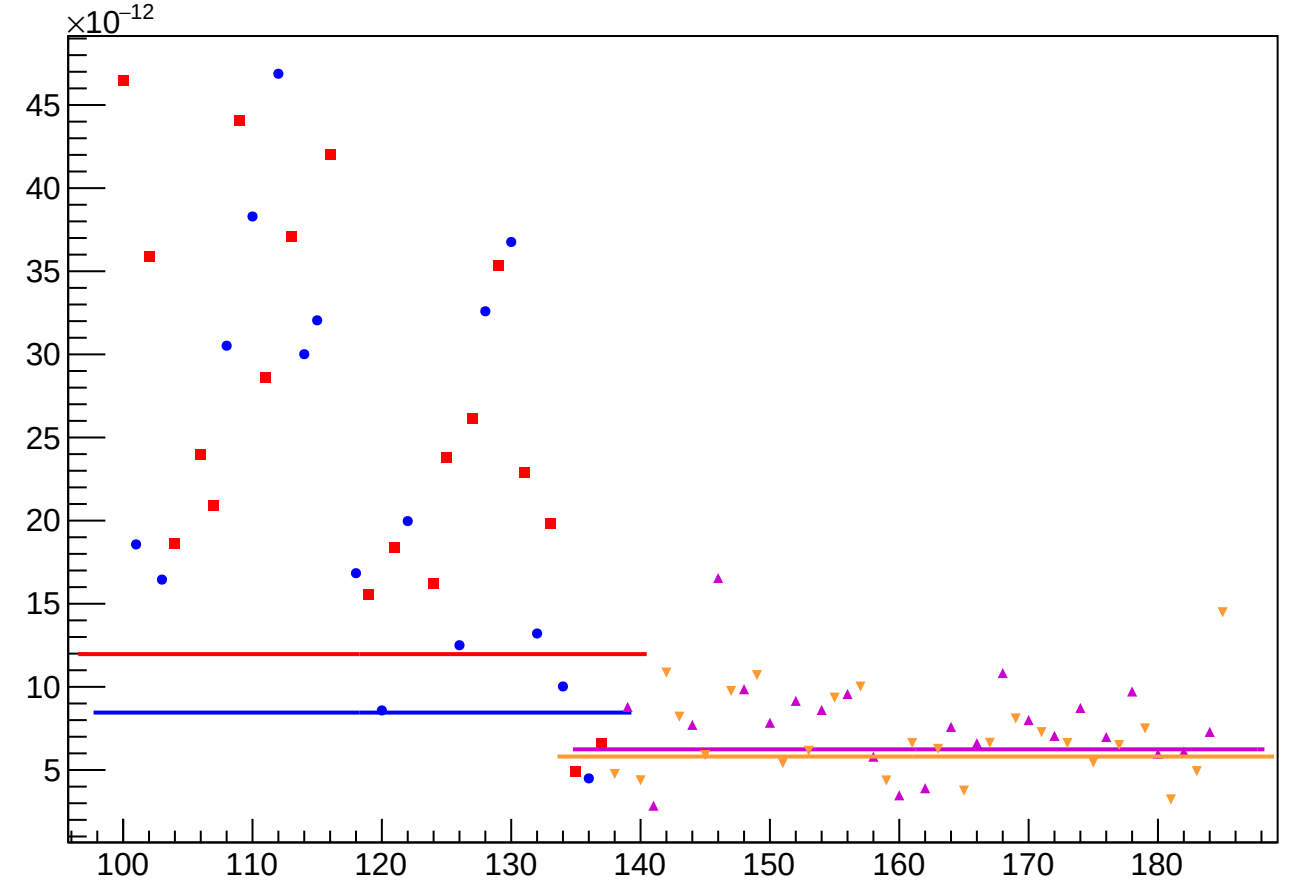
Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/40

All: -0.000+/-0.000 χ^2/NDF: 63.9/82

- sign -0.000+/-0.000 χ^2/NDF: 30.6/41

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

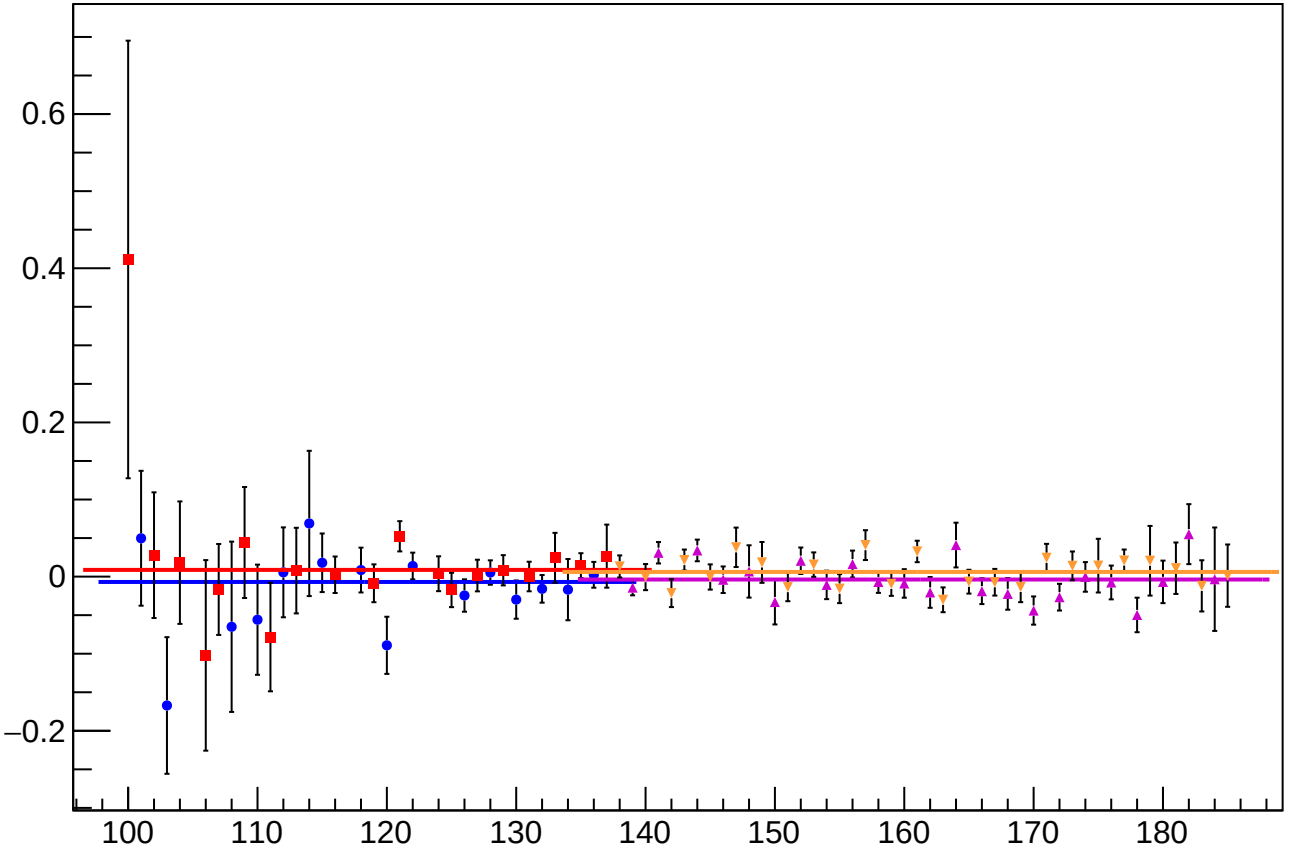
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 4233447.6/40

All: 0.000+/-0.000 χ^2/NDF: 9931339.7/82

- 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:26.7/24

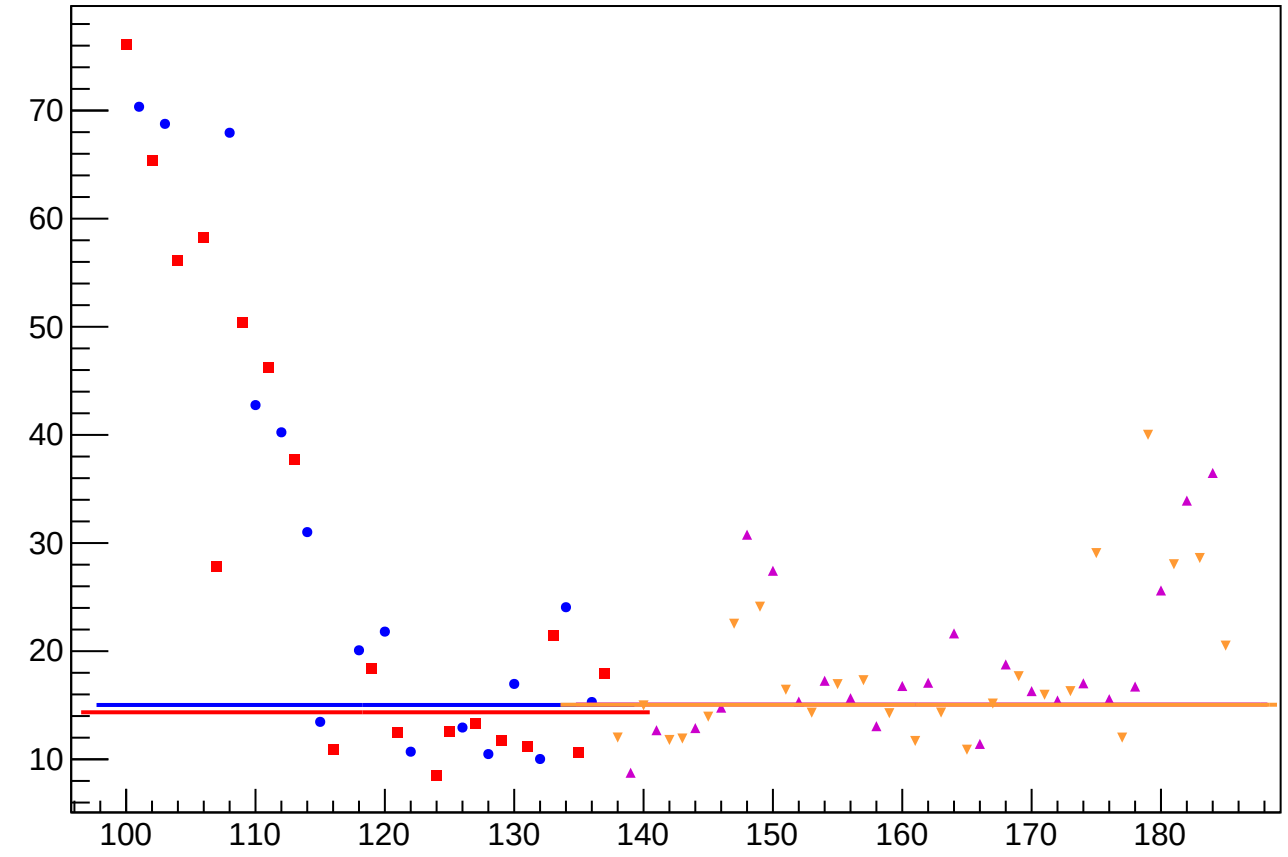
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/40

All: 0.001+/-0.002 χ^2/NDF: 97.7/82

- 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: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

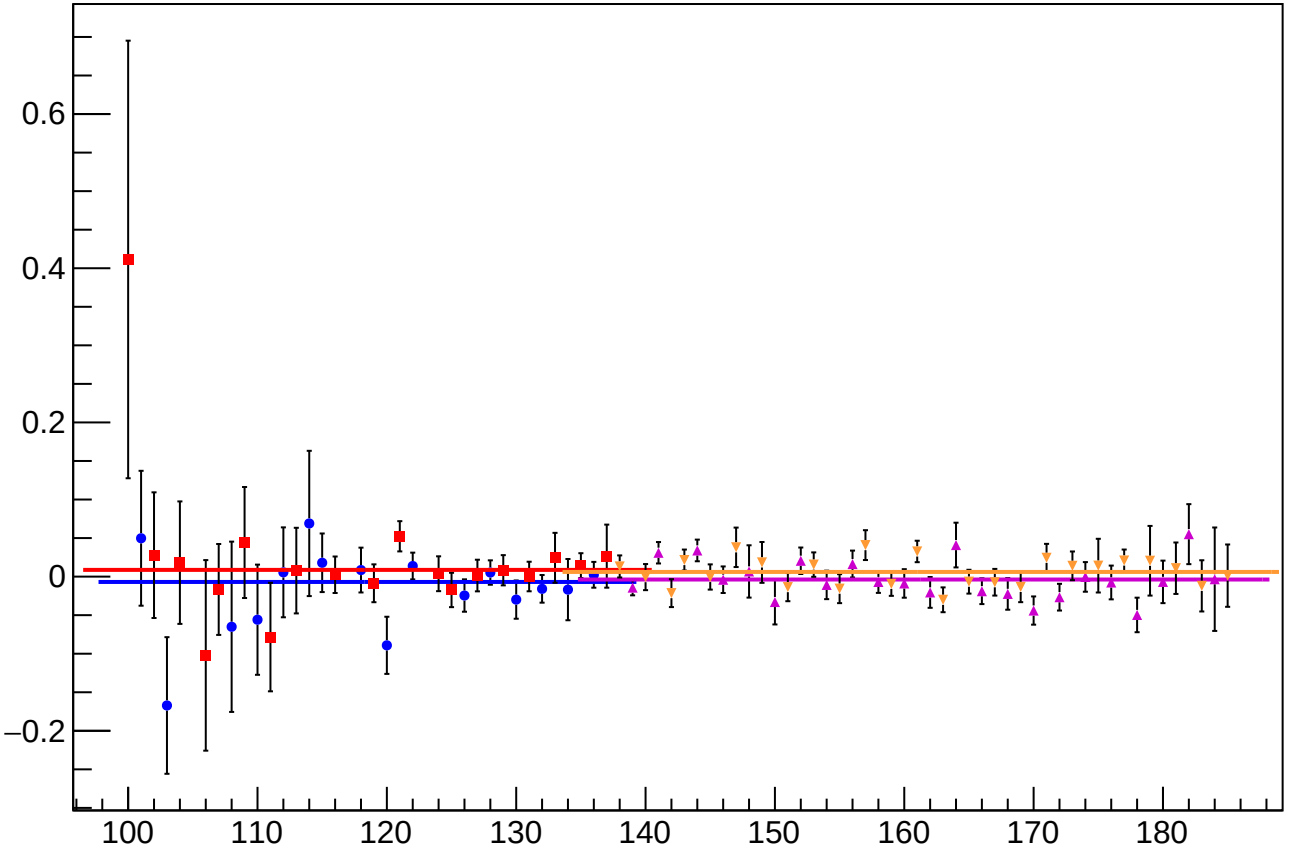
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.042+/-0.002 χ^2/NDF: 6196351.2/40

All: 14.961+/-0.002 χ^2/NDF: 12913165.1/82

\- 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:26.7/24

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

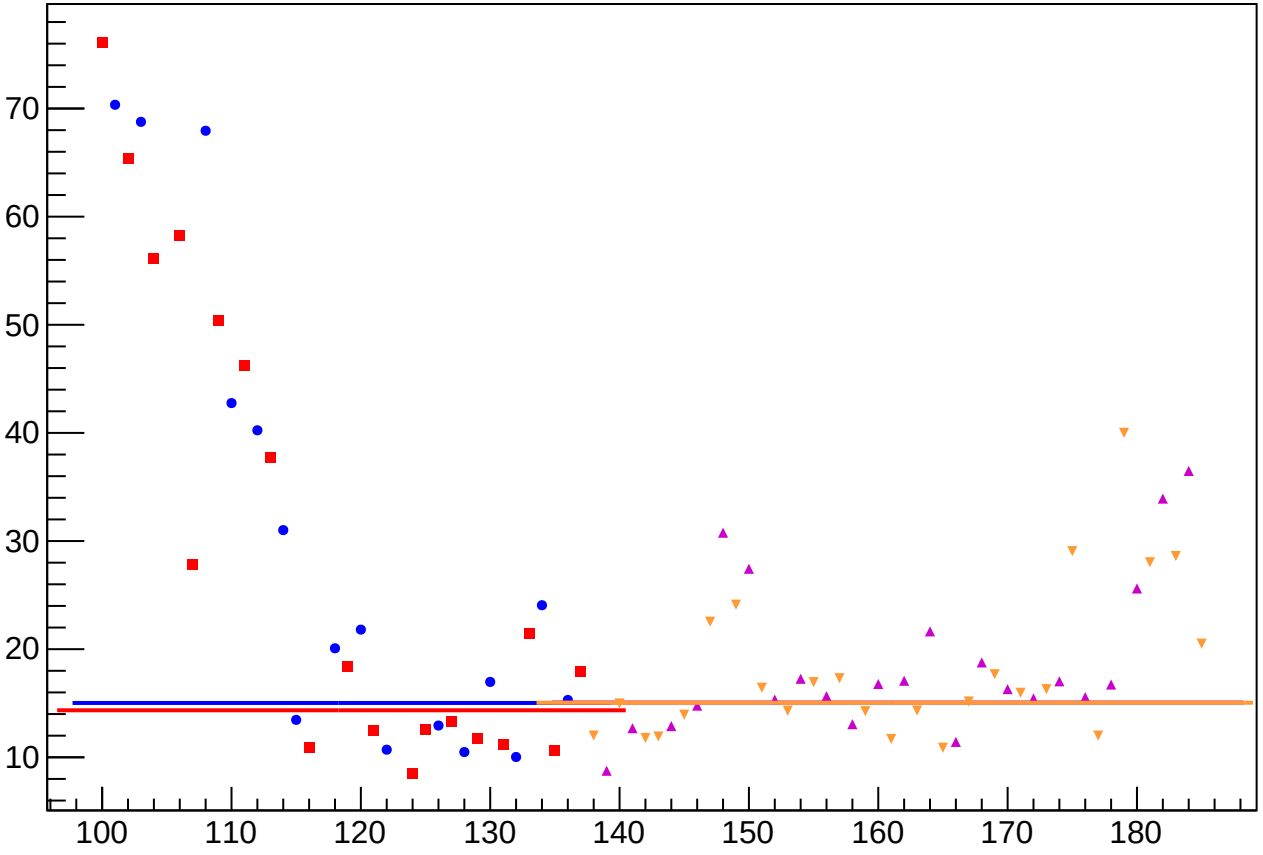
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/40

All: 0.001+/-0.002 χ^2/NDF: 97.7/82

- 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: 15.046+/-0.003 χ^2/NDF:2758075.6/24

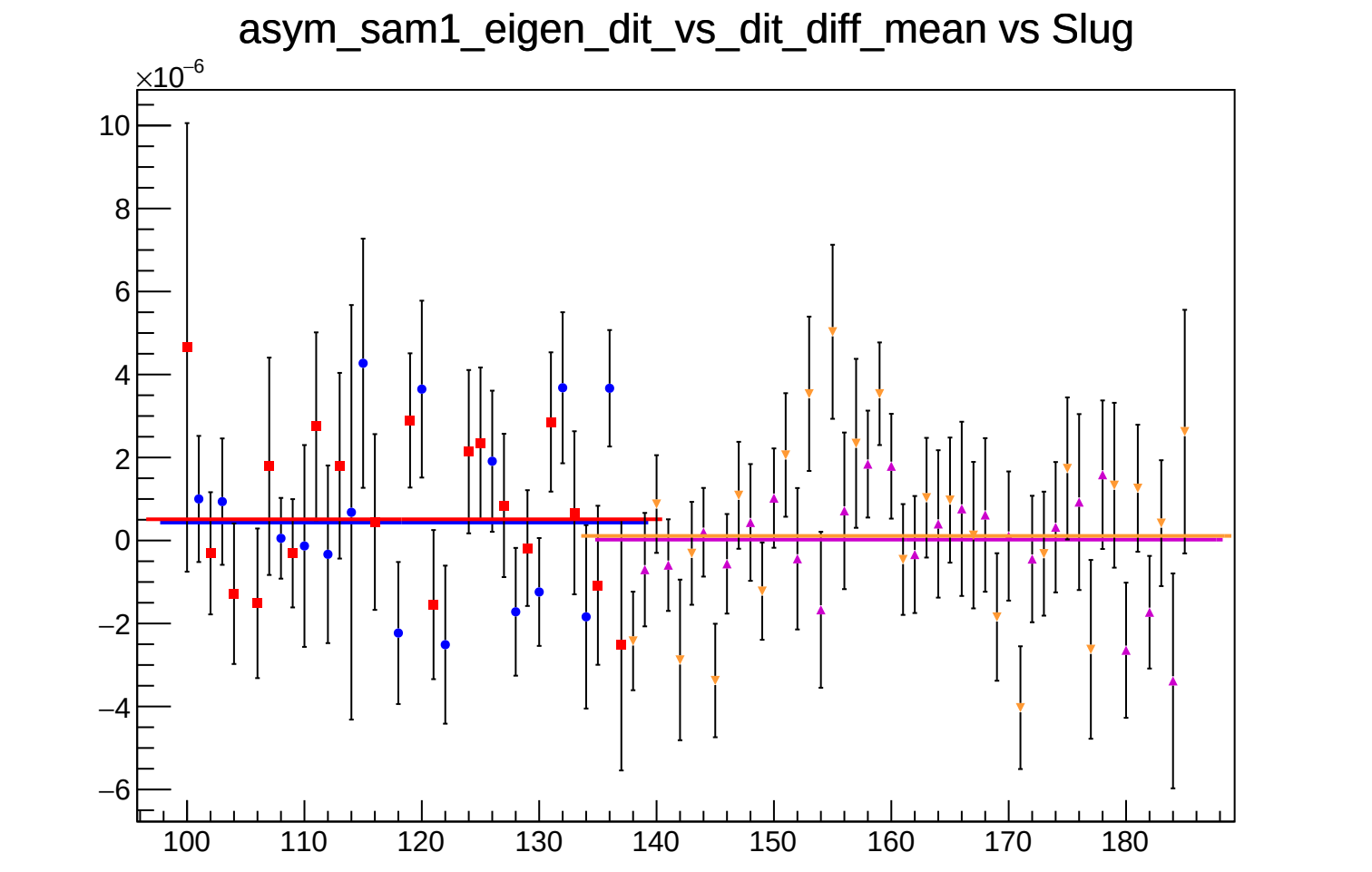
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

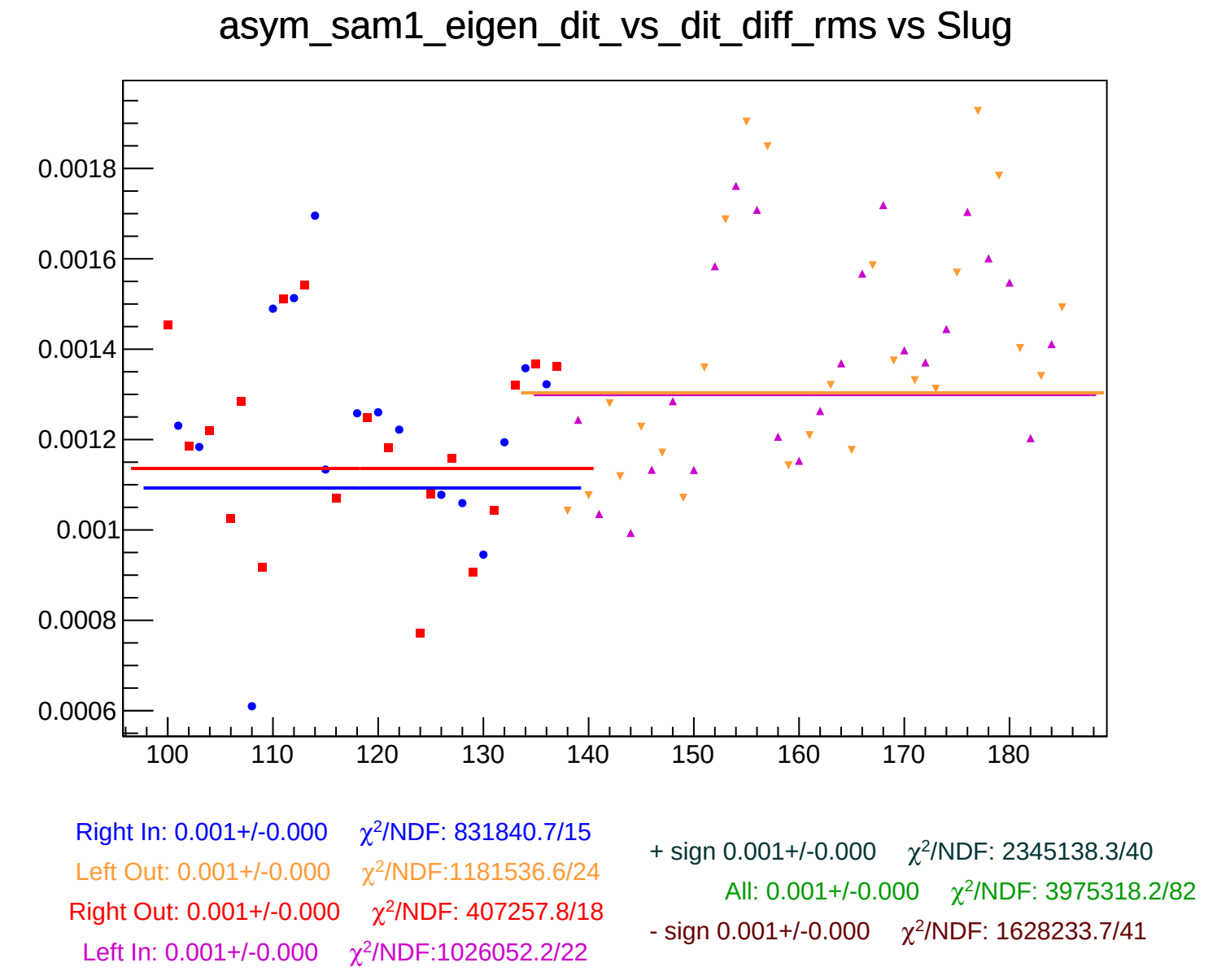
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.042+/-0.002 χ^2/NDF: 6196351.2/40

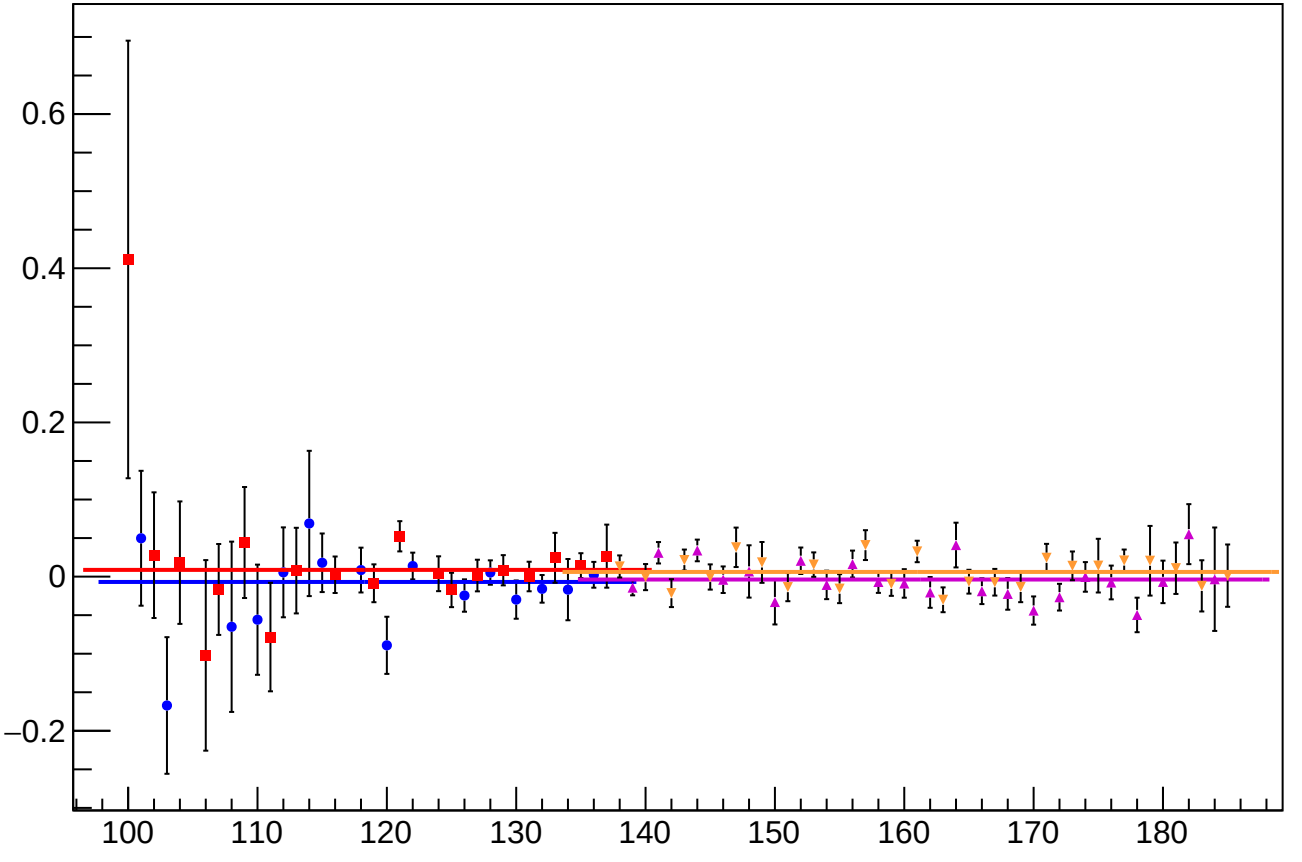
All: 14.961+/-0.002 χ^2/NDF: 12913165.1/82

\- sign 14.877+/-0.002 χ^2/NDF: 6714261.9/41


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 23.2/15
Left Out: 0.000+/-0.000 χ²/NDF:50.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 14.3/18
Left In: 0.000+/-0.000 χ²/NDF:14.1/22
+ sign 0.000+/-0.000 χ²/NDF: 73.6/40
All: 0.000+/-0.000 χ²/NDF: 102.9/82
- sign 0.000+/-0.000 χ²/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:1181536.6/24
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: 2345138.3/40
All: 0.001+/-0.000 χ²/NDF: 3975318.2/82
- 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:26.7/24

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

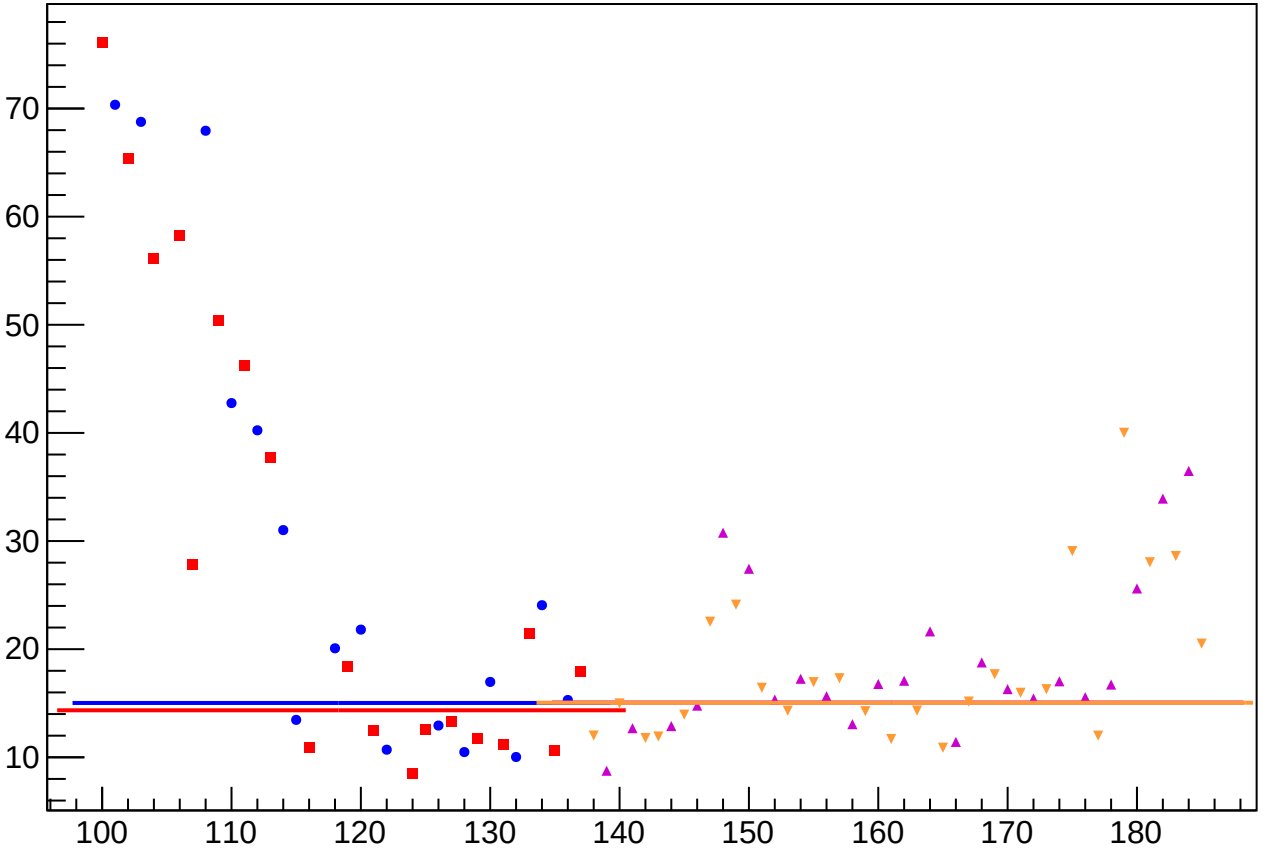
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/40

All: 0.001+/-0.002 χ^2/NDF: 97.7/82

- 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: 15.046+/-0.003 χ^2/NDF:2758285.3/24

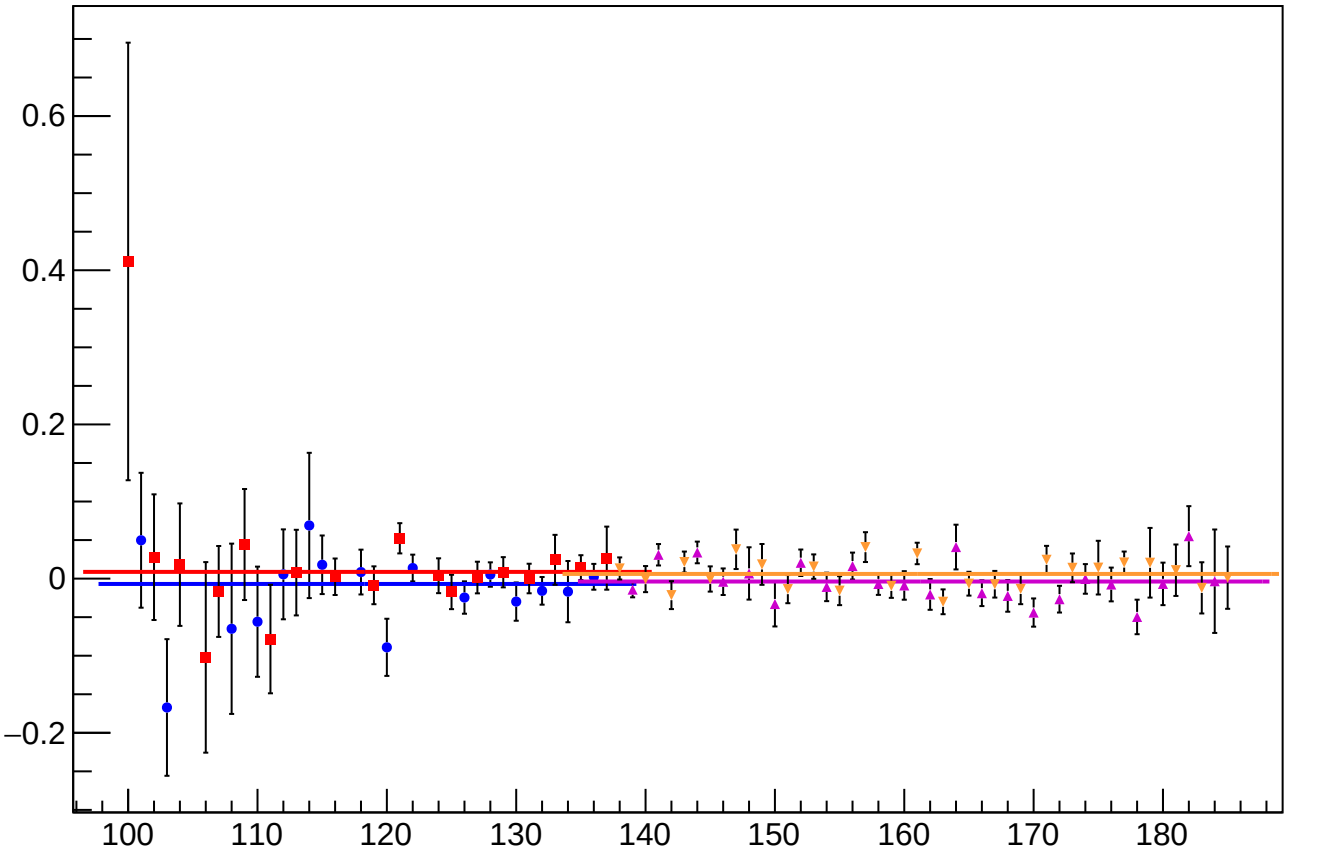
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.041+/-0.002 χ^2/NDF: 6196579.1/40

All: 14.960+/-0.002 χ^2/NDF: 12913421.0/82

- 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:26.7/24

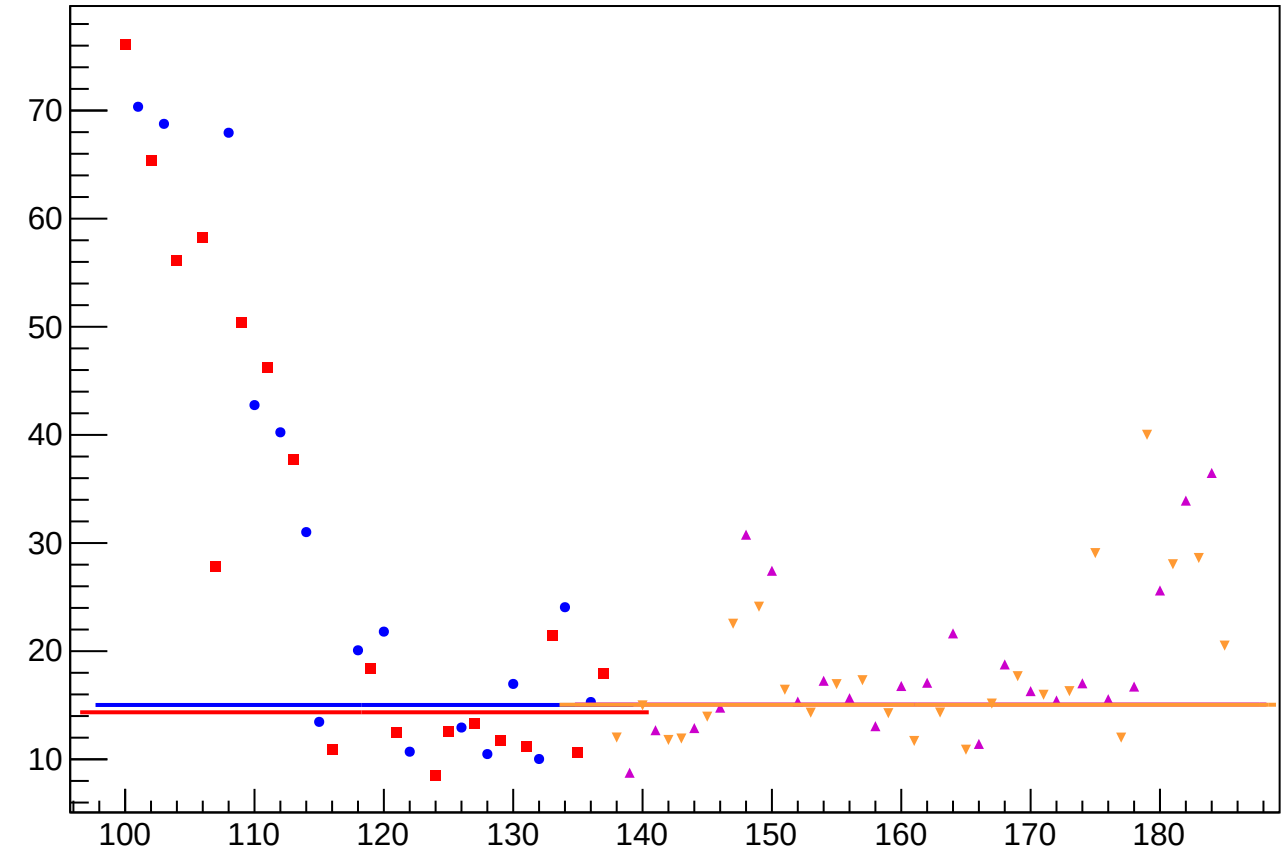
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 44.5/40

All: 0.001+/-0.002 χ^2/NDF: 97.7/82

- sign -0.000+/-0.003 χ^2/NDF: 52.6/41



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

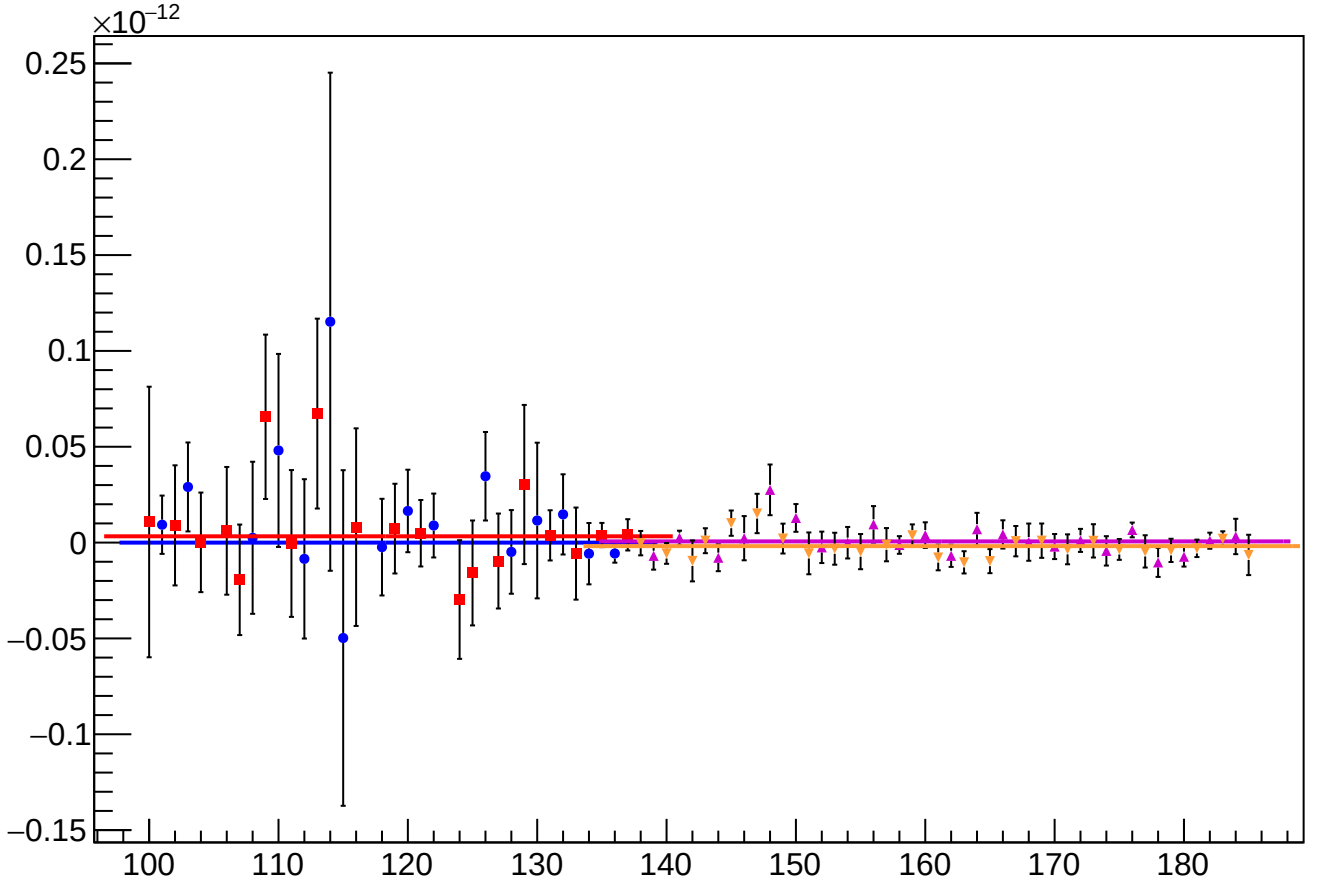
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.041+/-0.002 χ^2/NDF: 6196579.1/40

All: 14.960+/-0.002 χ^2/NDF: 12913421.0/82

- sign 14.877+/-0.002 χ^2/NDF: 6714292.0/41

asym_sam1_eigen_cor_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:15.2/24

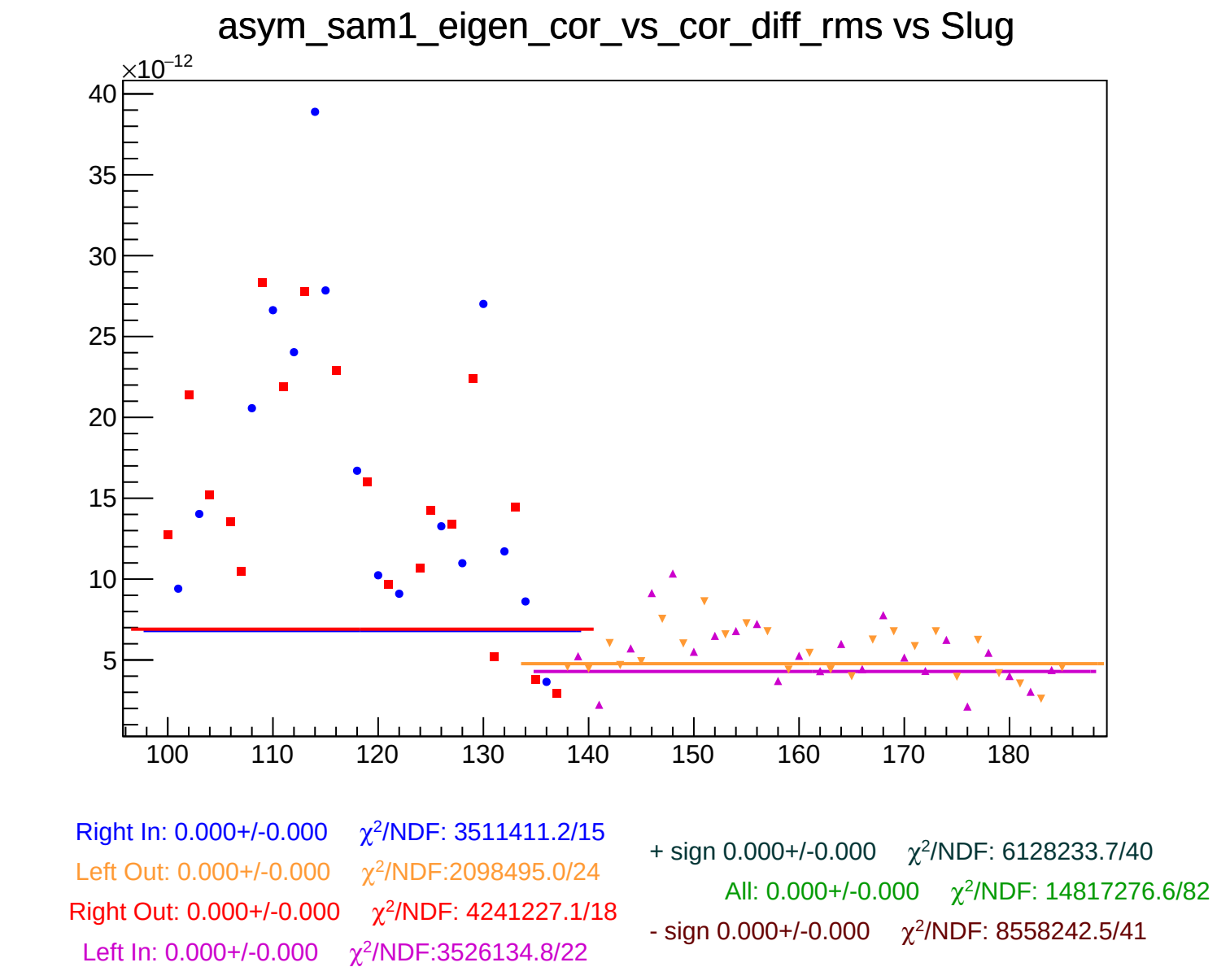
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

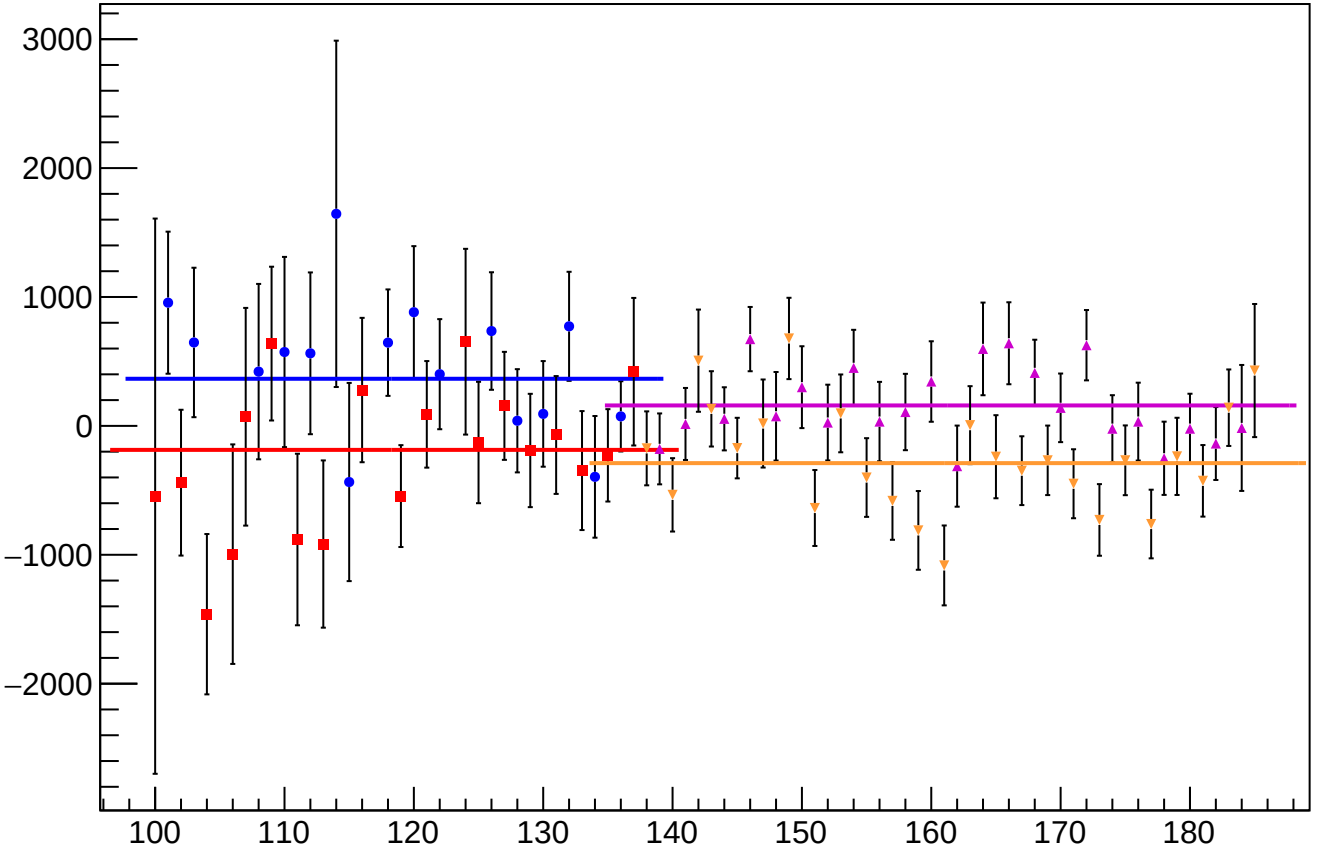
+ sign -0.000+/-0.000 χ^2/NDF: 24.7/40

All: -0.000+/-0.000 χ^2/NDF: 55.5/82

- sign 0.000+/-0.000 χ^2/NDF: 28.8/41


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2098495.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3526134.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6128233.7/40
All: 0.000+/-0.000 χ²/NDF: 14817276.6/82
- sign 0.000+/-0.000 χ²/NDF: 8558242.5/41

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

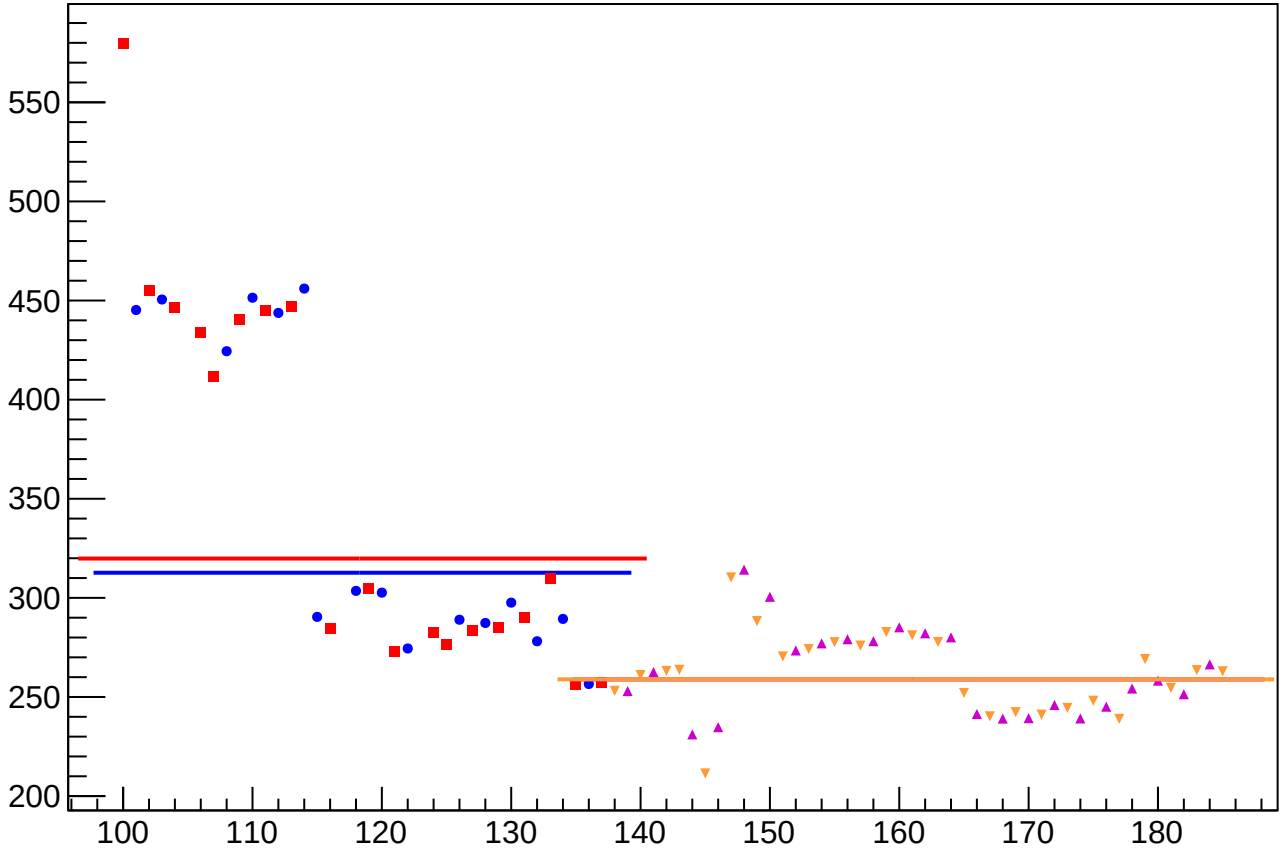
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

\+ sign -159.445+/-52.874 χ^2/NDF: 78.2/40

All: -38.502+/-37.843 χ^2/NDF: 133.0/82

\- 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: 258.912+/-0.042 χ^2/NDF:248740.9/24

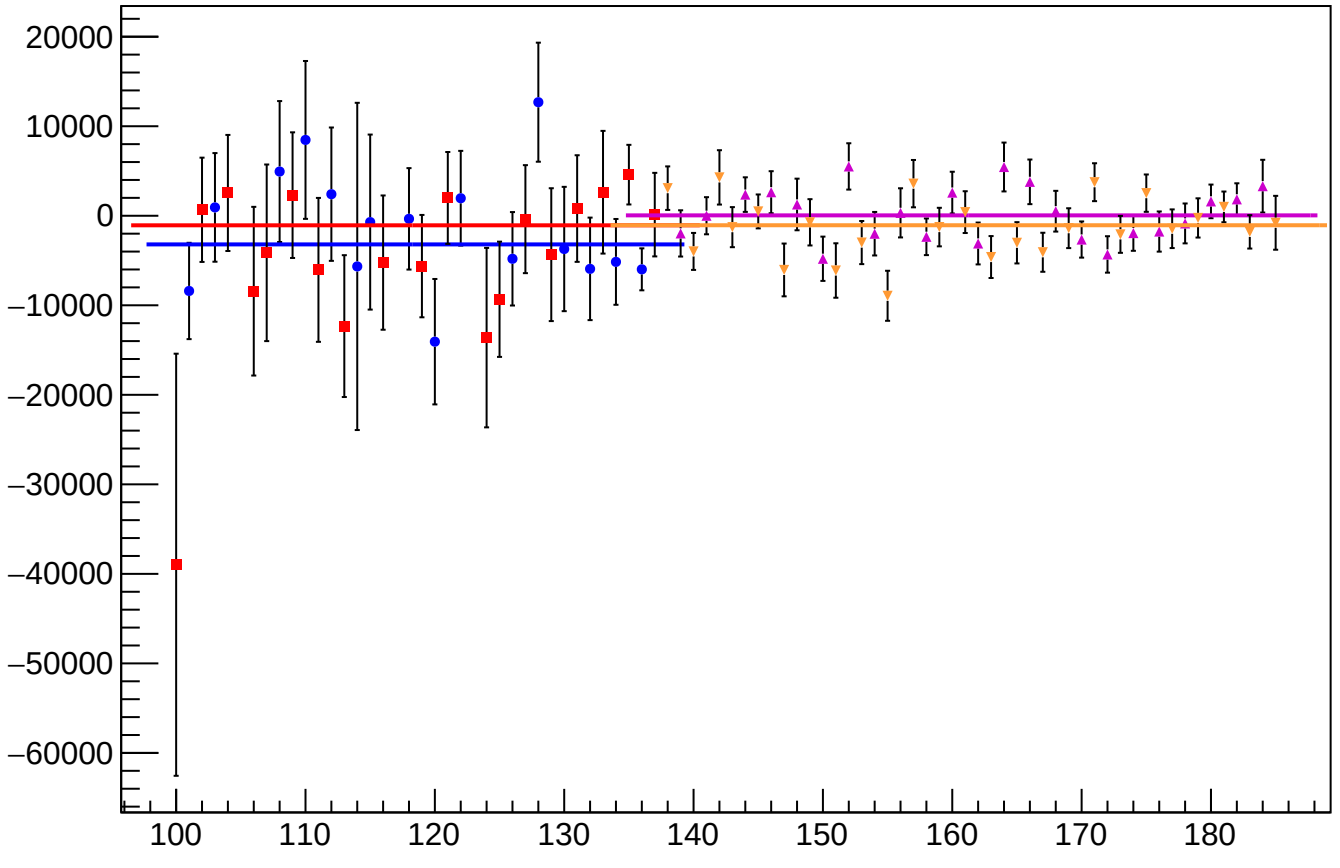
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.550+/-0.037 χ^2/NDF: 1179208.1/40

All: 270.375+/-0.027 χ^2/NDF: 2533475.7/82

- 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: -1059.229+/-454.653 χ^2/NDF:41.5/24

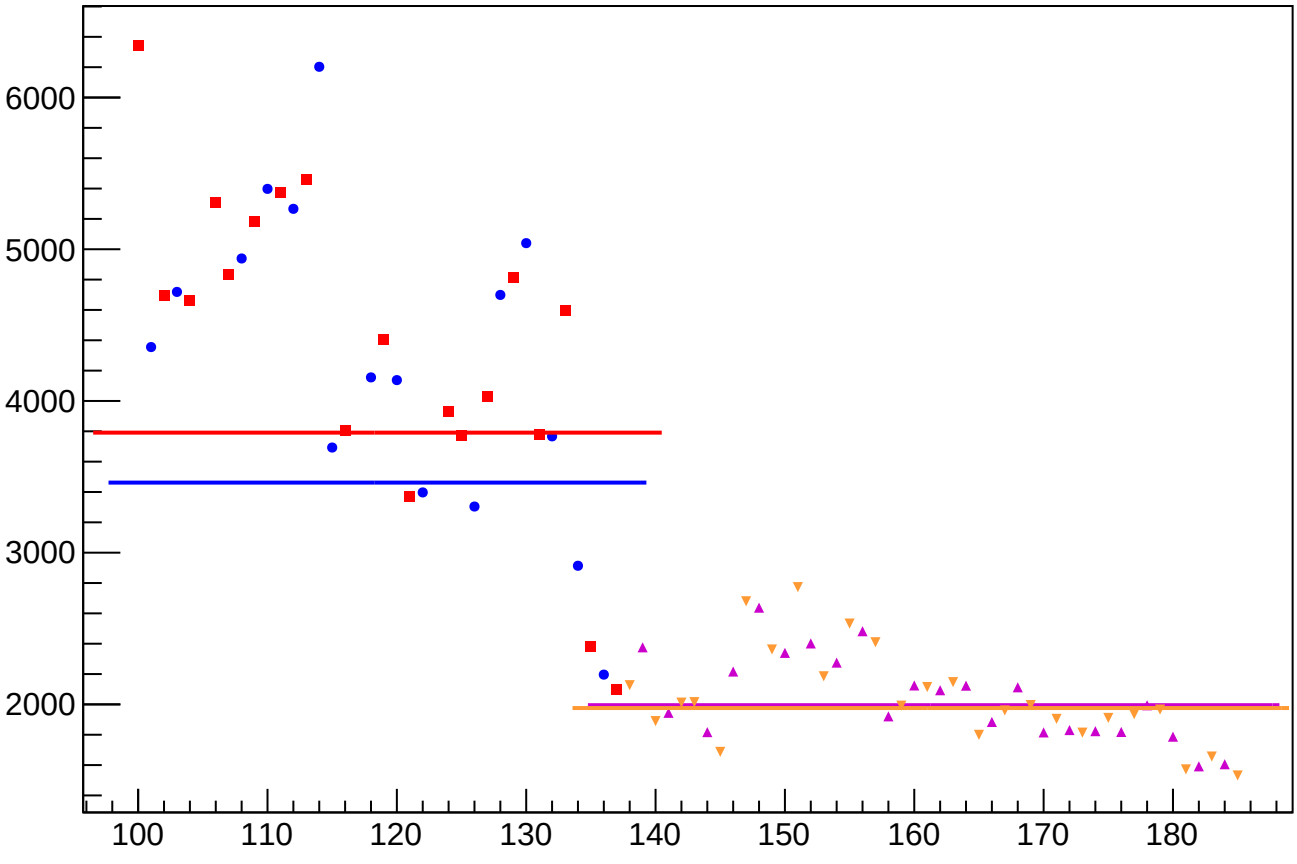
Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1276.072+/-430.997 χ^2/NDF: 59.8/40

All: -692.024+/-310.433 χ^2/NDF: 112.8/82

- sign -62.382+/-447.504 χ^2/NDF: 49.1/41



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

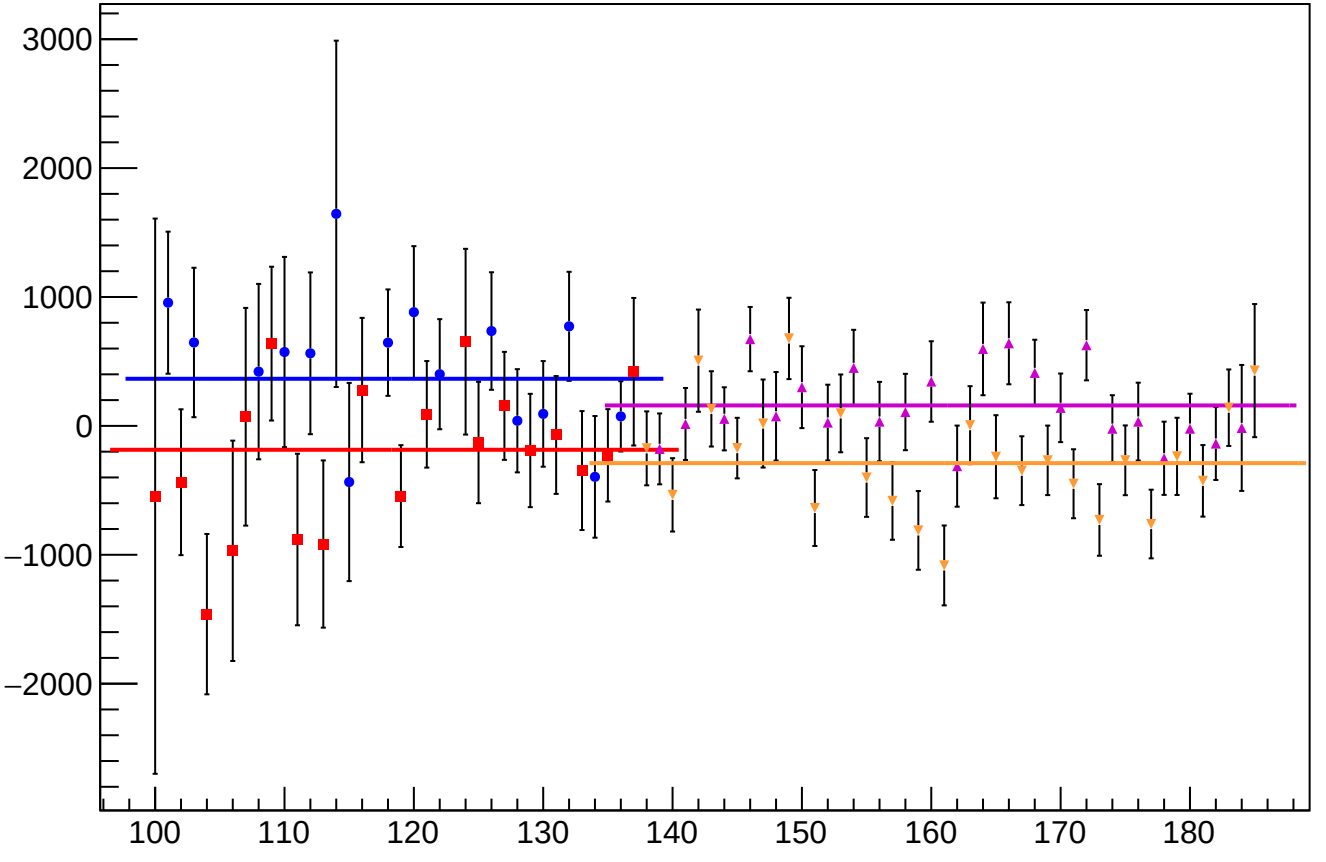
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2126.572+/-0.305 χ^2/NDF: 4238198.8/40

All: 2146.246+/-0.220 χ^2/NDF: 8803108.2/82

- 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: -288.928+/-59.035 χ^2/NDF:42.4/24

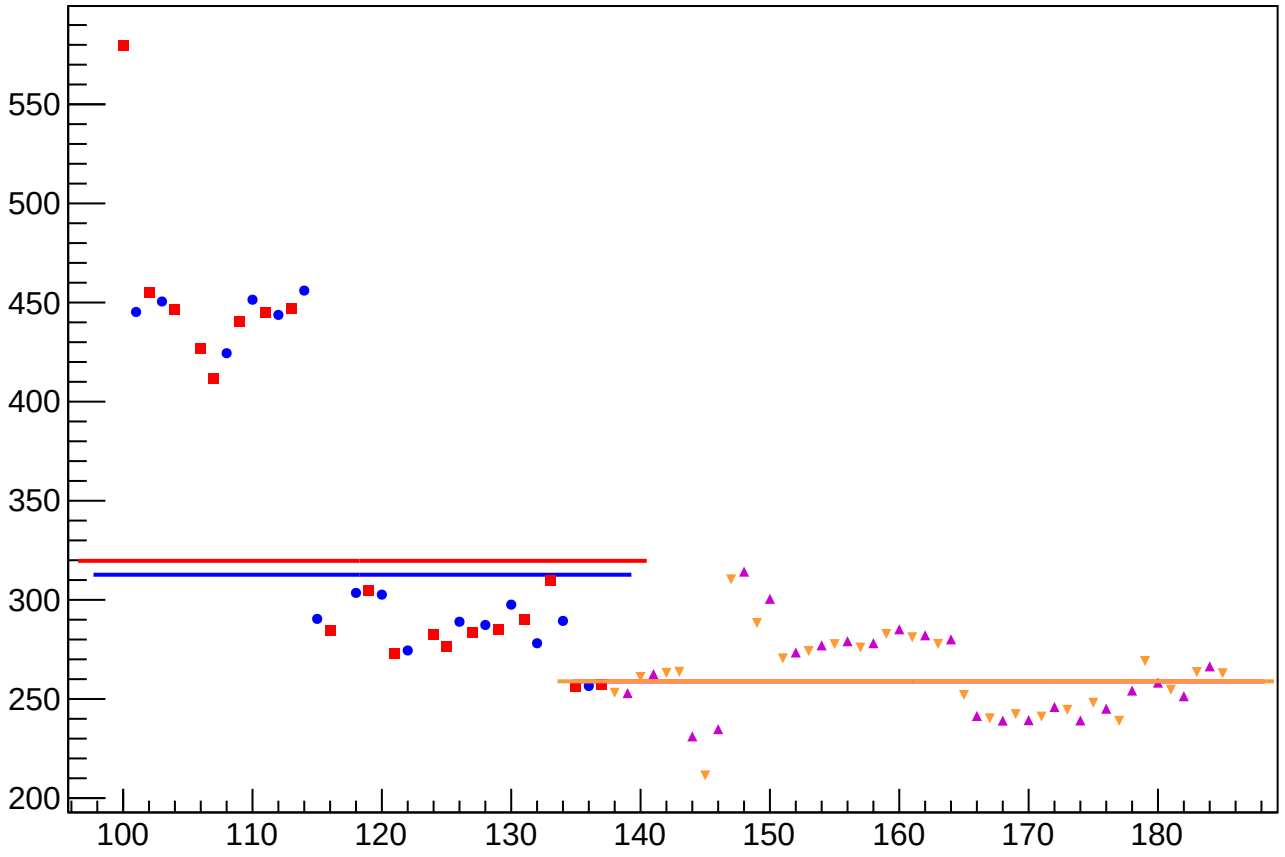
Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

\+ sign -159.452+/-52.874 χ^2/NDF: 78.2/40

All: -38.418+/-37.844 χ^2/NDF: 132.9/82

\- sign 88.709+/-54.188 χ^2/NDF: 44.0/41



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

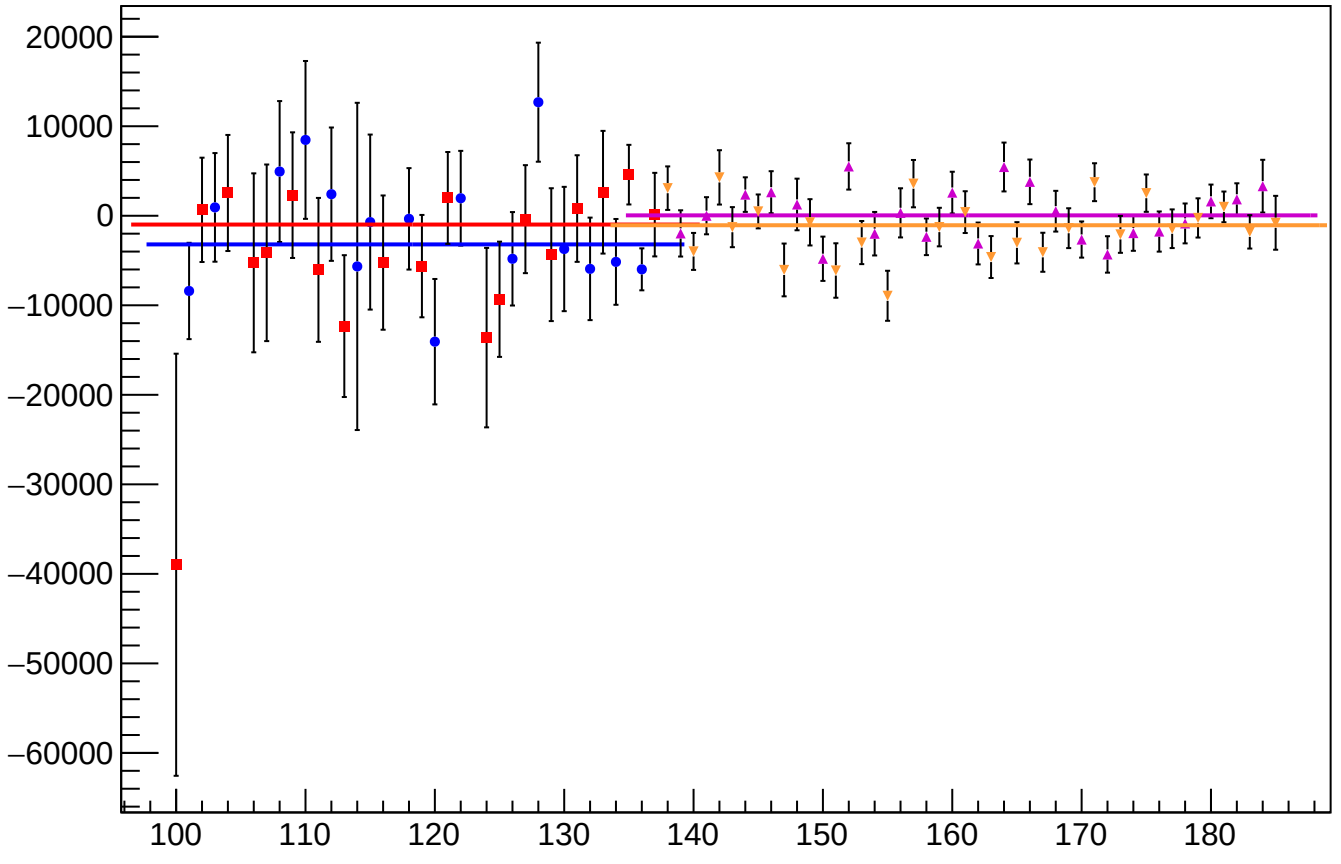
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.550+/-0.037 χ^2/NDF: 1179209.7/40

All: 270.360+/-0.027 χ^2/NDF: 2527224.4/82

- 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: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

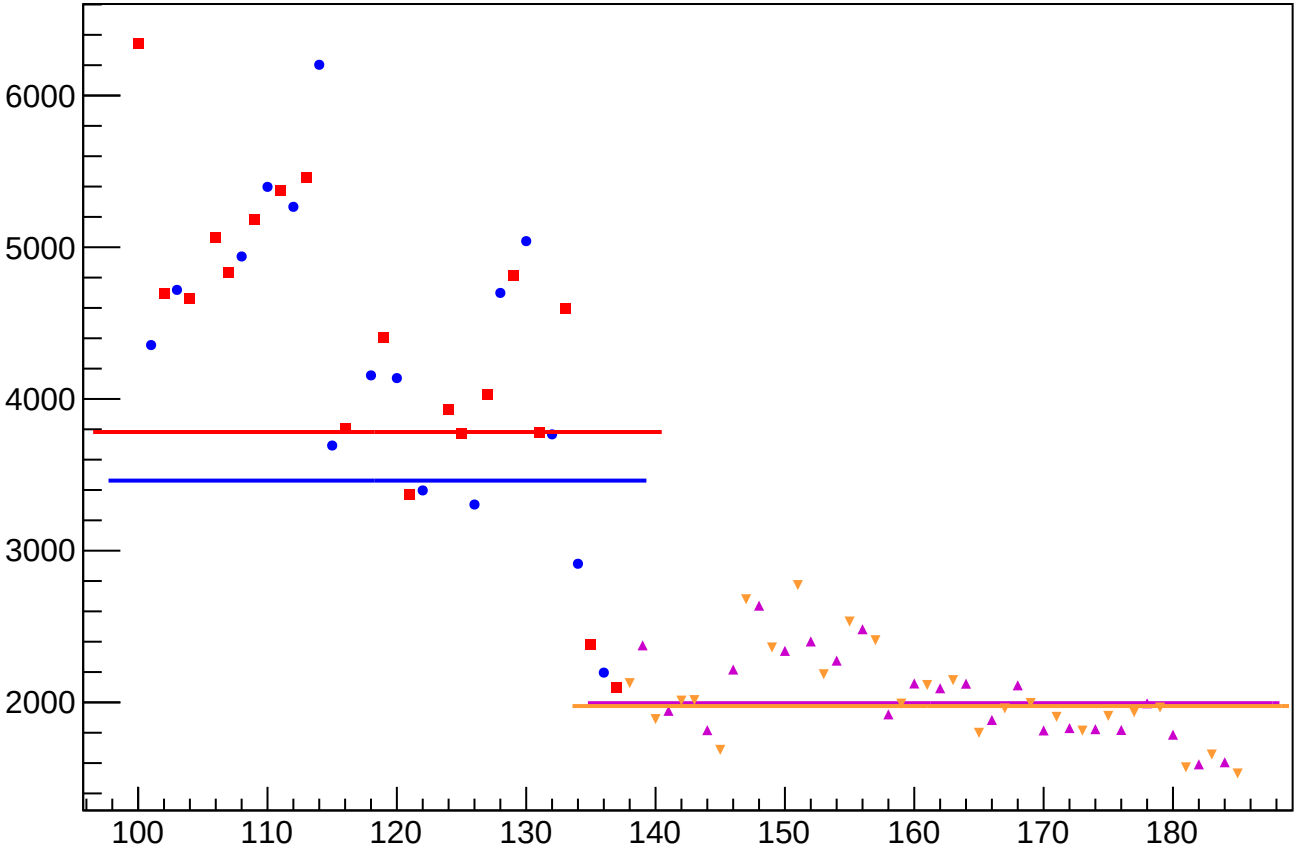
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1276.068+/-430.997 χ^2/NDF: 59.8/40

All: -688.055+/-310.452 χ^2/NDF: 112.3/82

- 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: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

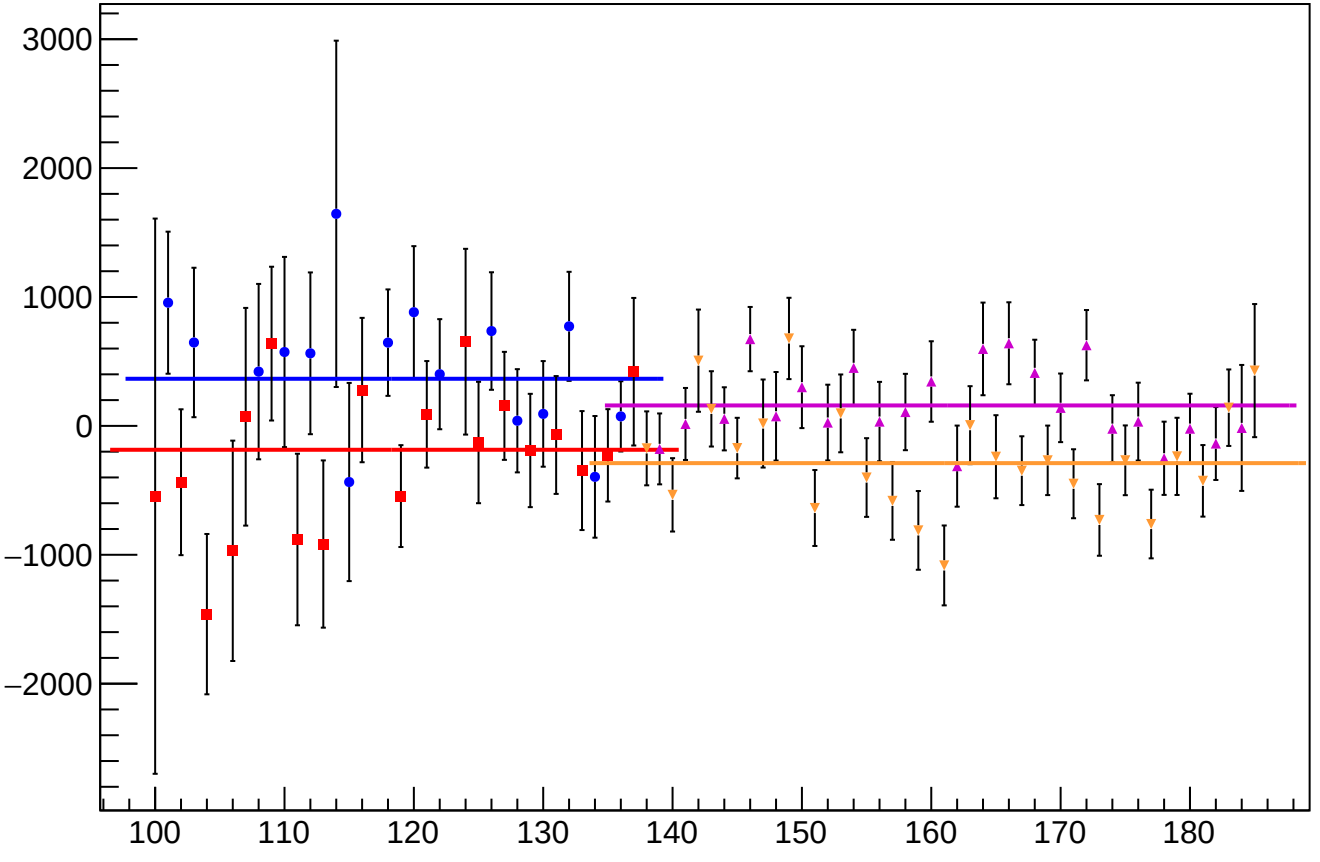
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2126.572+/-0.305 χ^2/NDF: 4238219.5/40

All: 2145.625+/-0.220 χ^2/NDF: 8748372.6/82

- 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: -288.928+/-59.035 χ^2/NDF:42.4/24

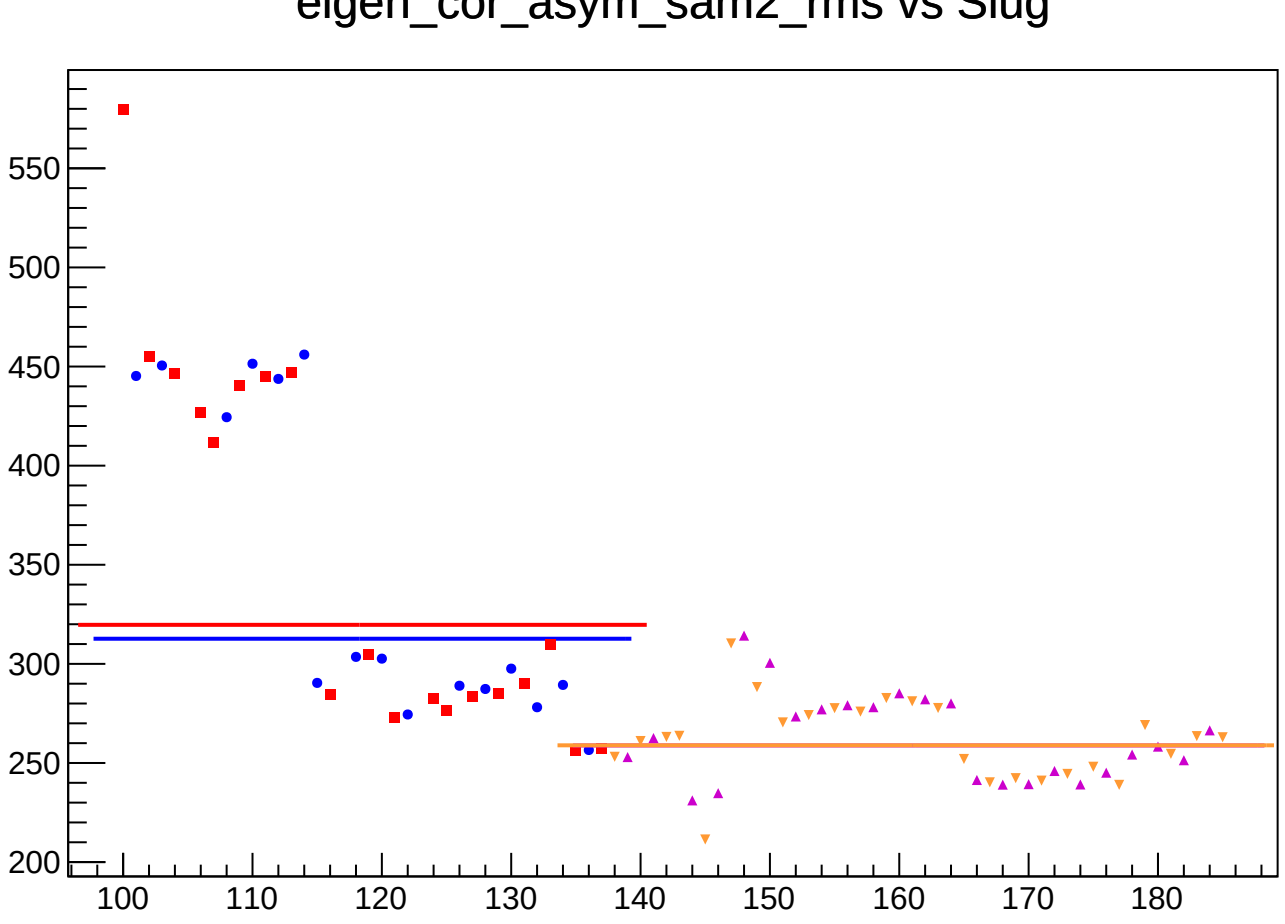
Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -159.452+/-52.874 χ^2/NDF: 78.2/40

All: -38.418+/-37.844 χ^2/NDF: 132.9/82

- sign 88.709+/-54.188 χ^2/NDF: 44.0/41



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

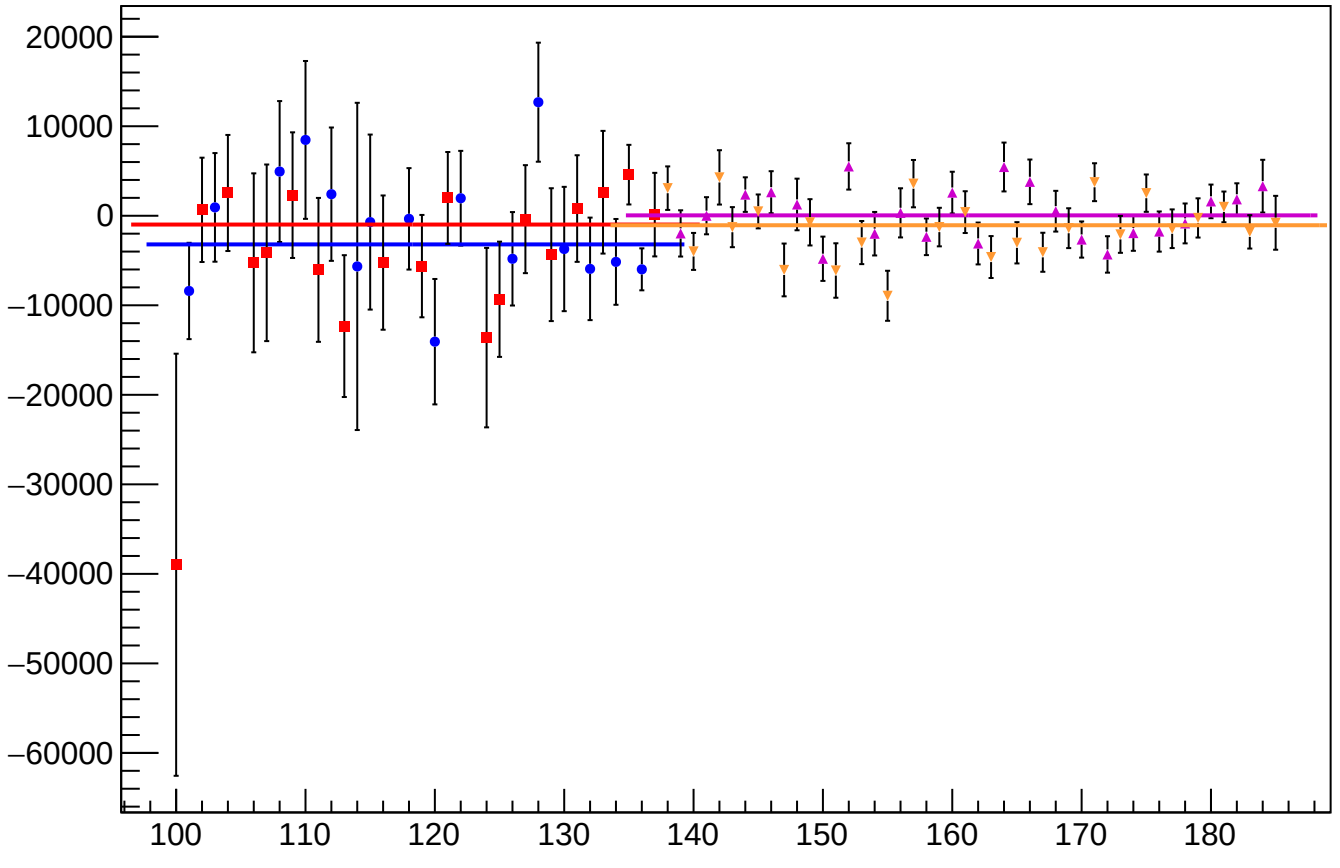
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.550+/-0.037 χ^2/NDF: 1179209.7/40

All: 270.360+/-0.027 χ^2/NDF: 2527224.4/82

- 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: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

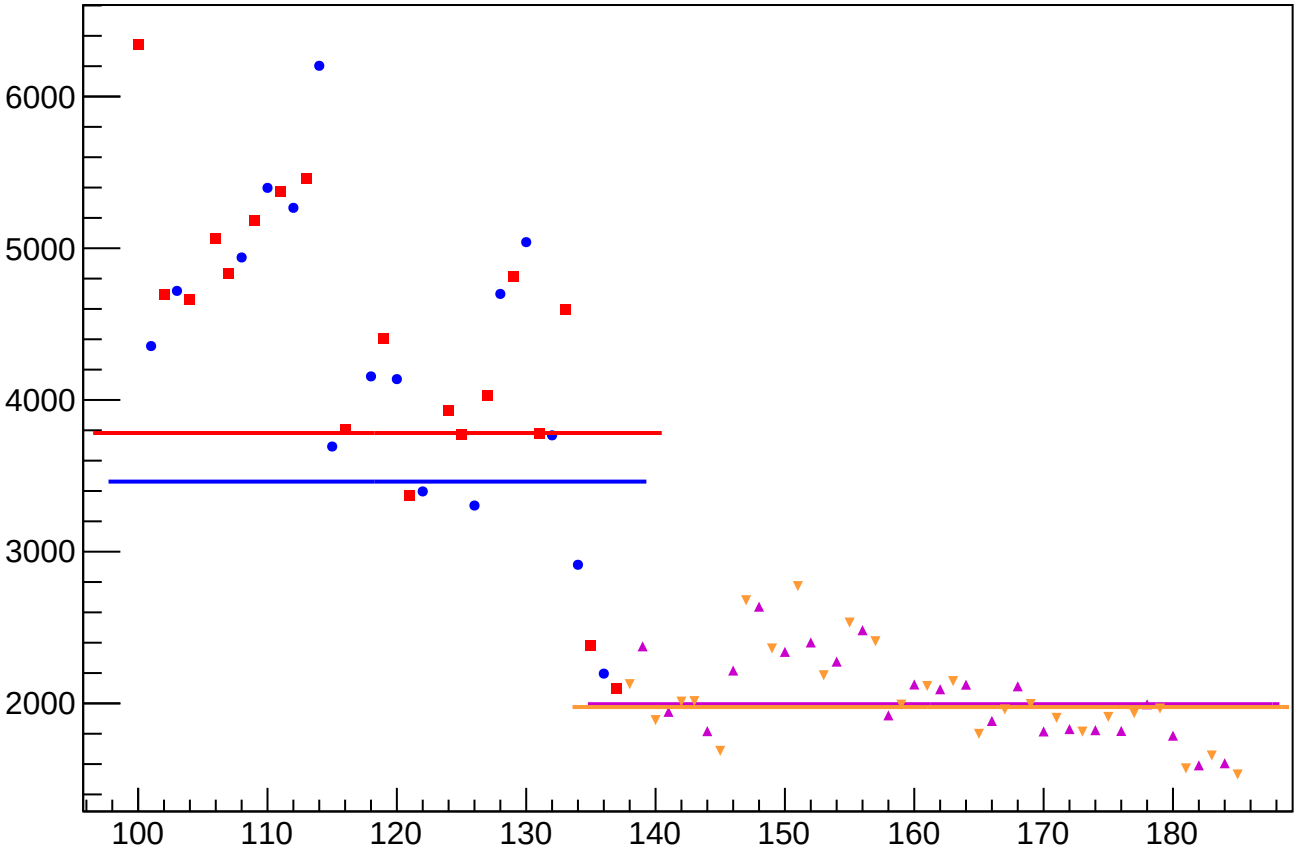
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1276.068+/-430.997 χ^2/NDF: 59.8/40

All: -688.055+/-310.452 χ^2/NDF: 112.3/82

- 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: 1975.967+/-0.321 χ^2/NDF:763328.1/24

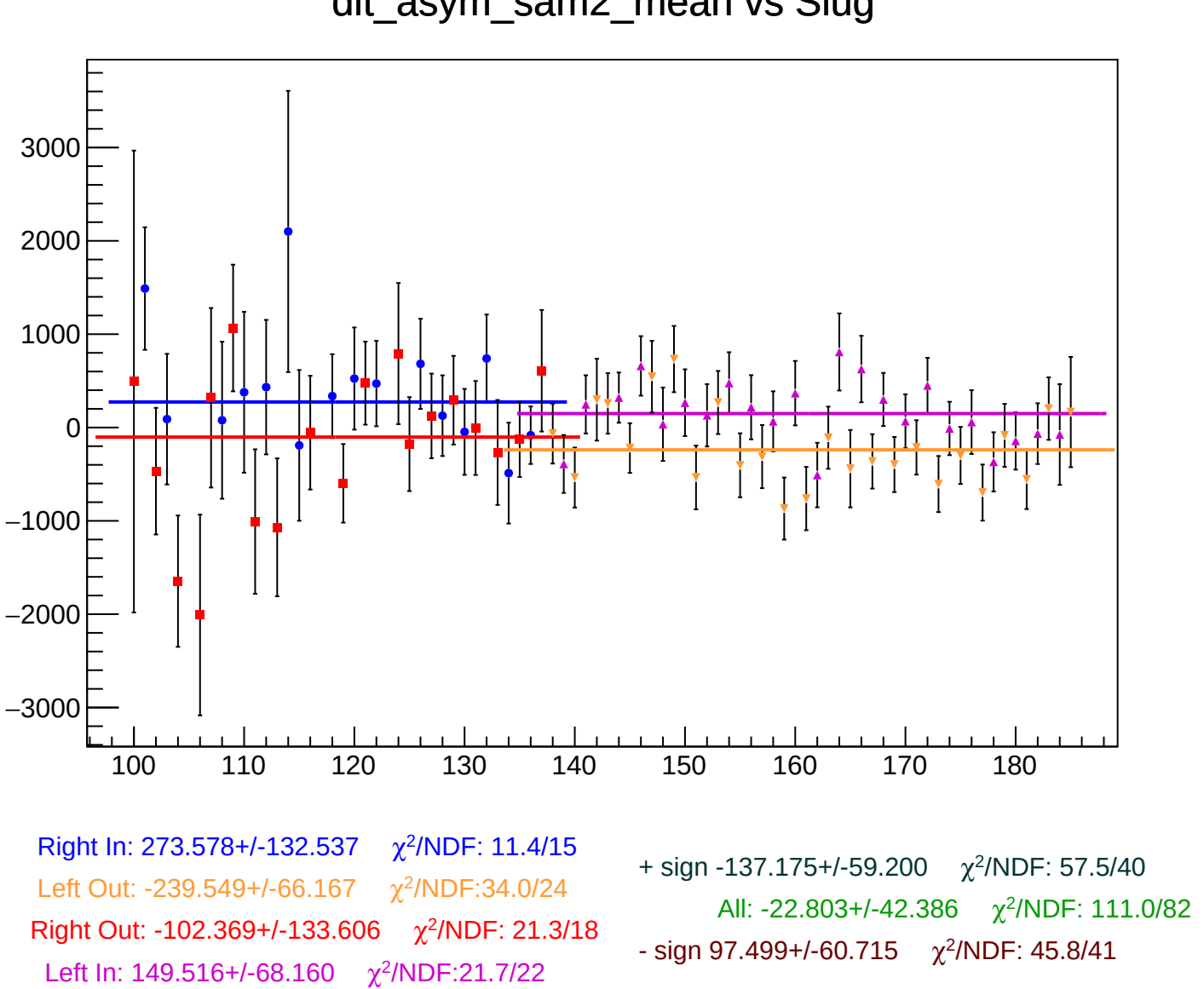
Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

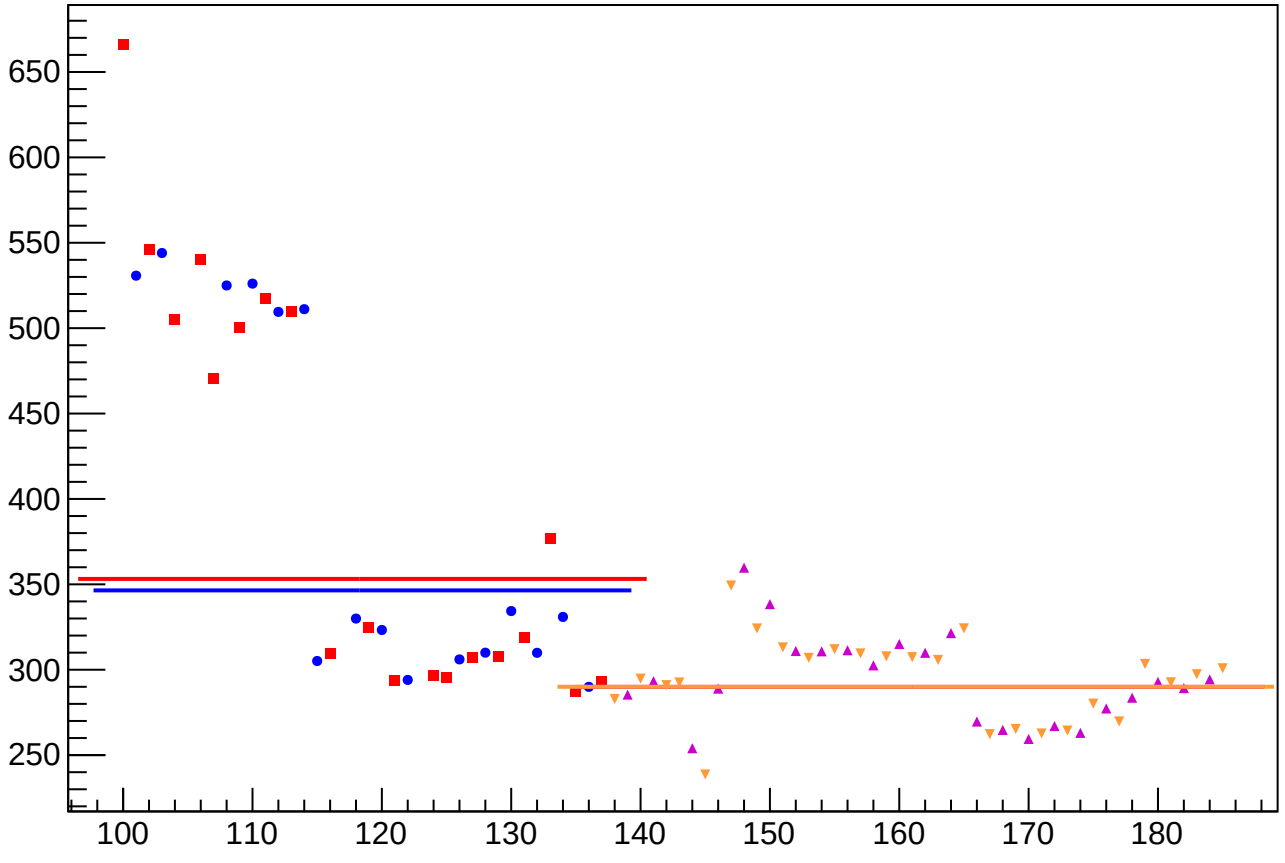
+ sign 2126.572+/-0.305 χ^2/NDF: 4238219.5/40

All: 2145.625+/-0.220 χ^2/NDF: 8748372.6/82

- sign 2166.171+/-0.316 χ^2/NDF: 4502029.9/41


dit_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: 273.578+/-132.537 χ²/NDF: 11.4/15
Left Out: -239.549+/-66.167 χ²/NDF:34.0/24
Right Out: -102.369+/-133.606 χ²/NDF: 21.3/18
Left In: 149.516+/-68.160 χ²/NDF:21.7/22
+ sign -137.175+/-59.200 χ²/NDF: 57.5/40
All: -22.803+/-42.386 χ²/NDF: 111.0/82
- sign 97.499+/-60.715 χ²/NDF: 45.8/41

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

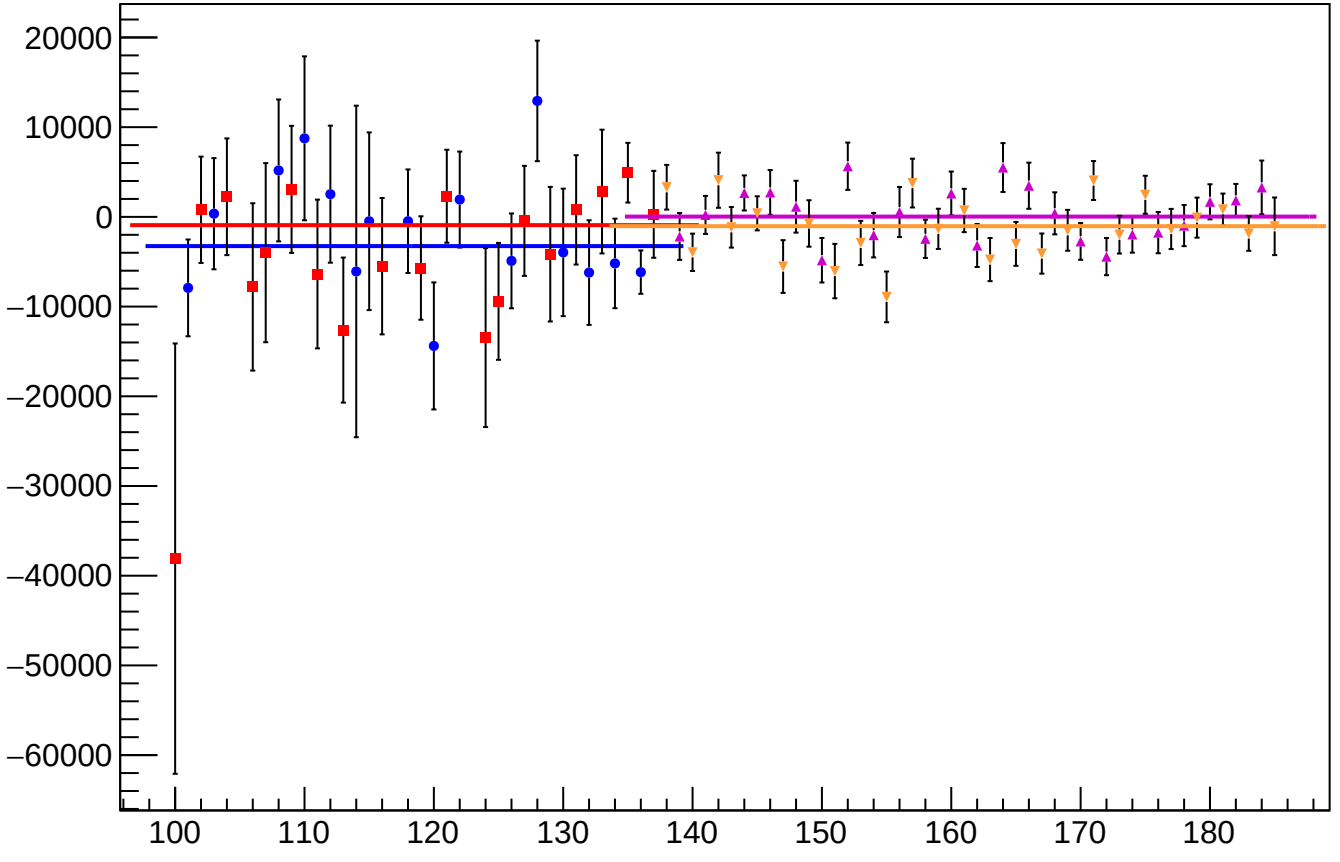
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 301.282+/-0.042 χ^2/NDF: 1339653.2/40

All: 302.119+/-0.030 χ^2/NDF: 2832020.6/82

- 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: -1036.592+/-465.324 χ^2/NDF:40.3/24

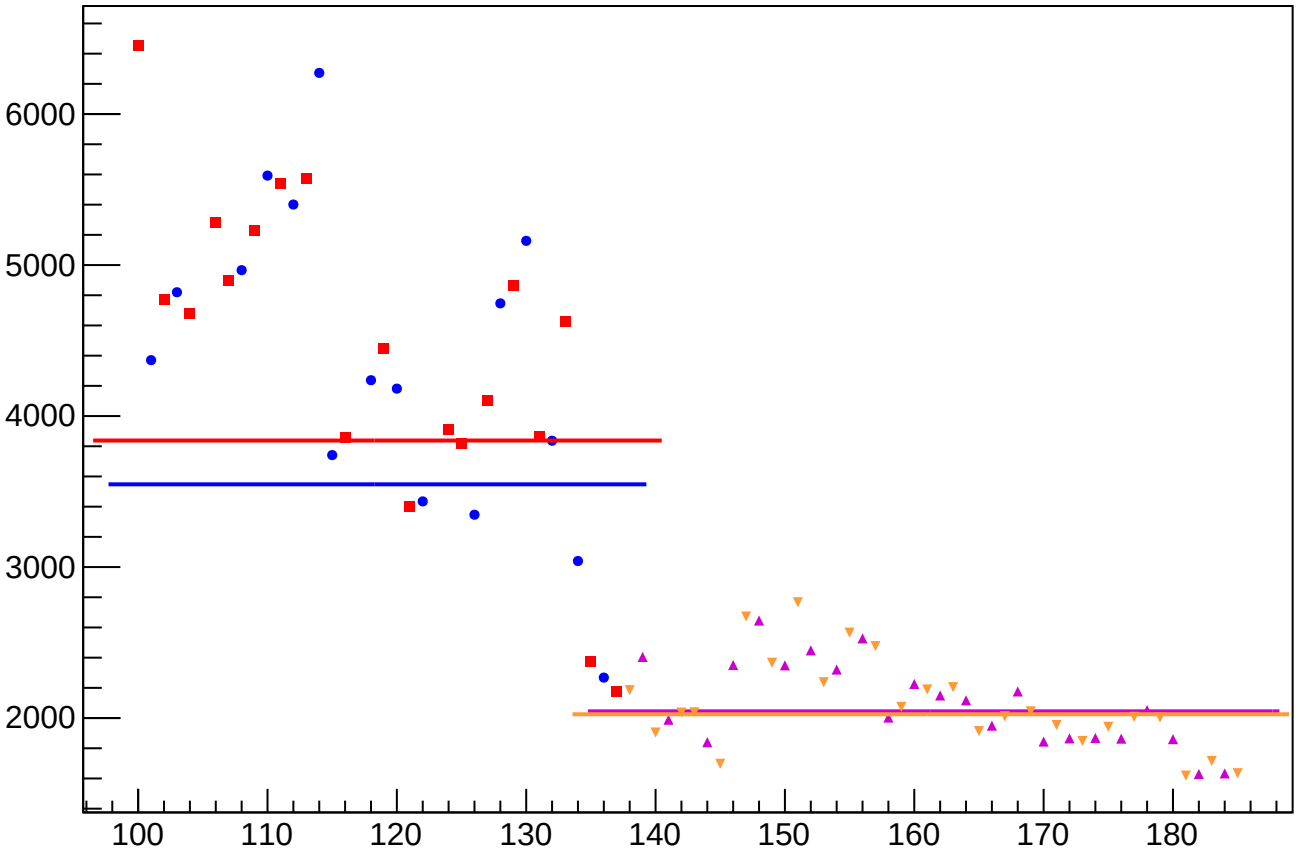
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

\+ sign -1262.244+/-441.066 χ^2/NDF: 58.6/40

All: -685.224+/-317.687 χ^2/NDF: 111.3/82

\- 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: 2025.085+/-0.329 χ^2/NDF:700821.6/24

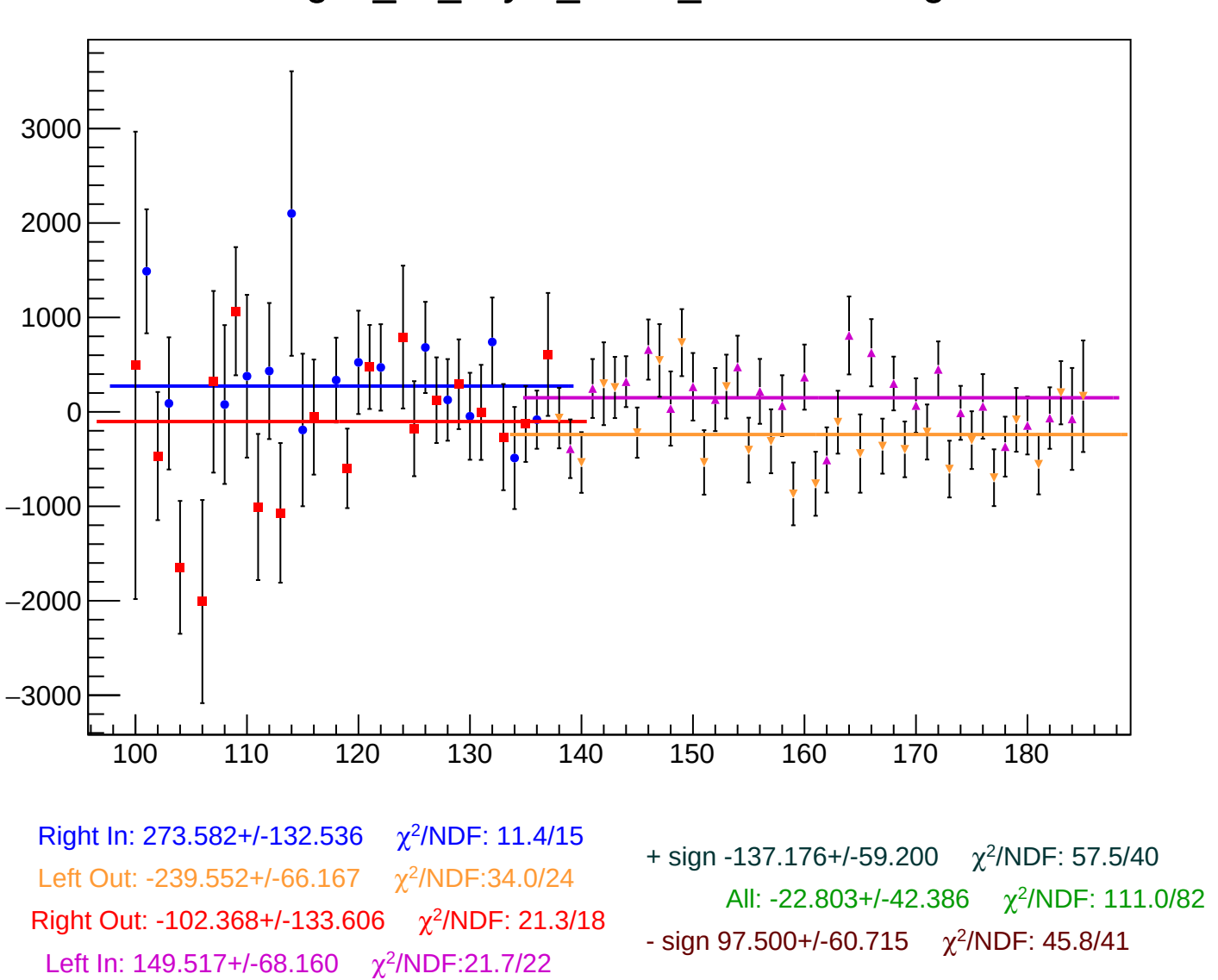
Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

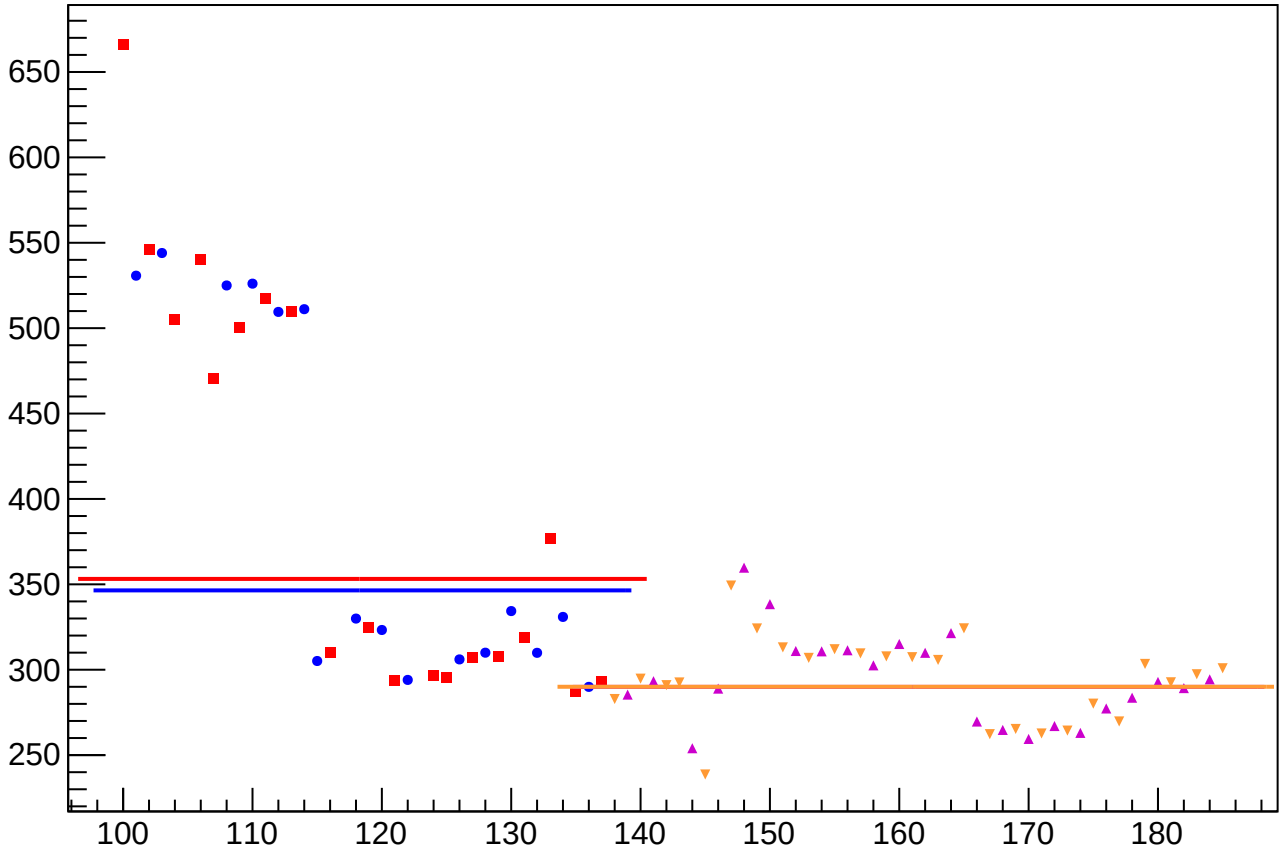
+ sign 2179.723+/-0.312 χ^2/NDF: 4134520.5/40

All: 2199.493+/-0.225 χ^2/NDF: 8602150.4/82

- sign 2220.807+/-0.324 χ^2/NDF: 4459279.4/41


eigen_dit_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: 273.582+/-132.536 χ²/NDF: 11.4/15
Left Out: -239.552+/-66.167 χ²/NDF:34.0/24
Right Out: -102.368+/-133.606 χ²/NDF: 21.3/18
Left In: 149.517+/-68.160 χ²/NDF:21.7/22
+ sign -137.176+/-59.200 χ²/NDF: 57.5/40
All: -22.803+/-42.386 χ²/NDF: 111.0/82
- sign 97.500+/-60.715 χ²/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: 290.023+/-0.047 χ^2/NDF:280652.8/24

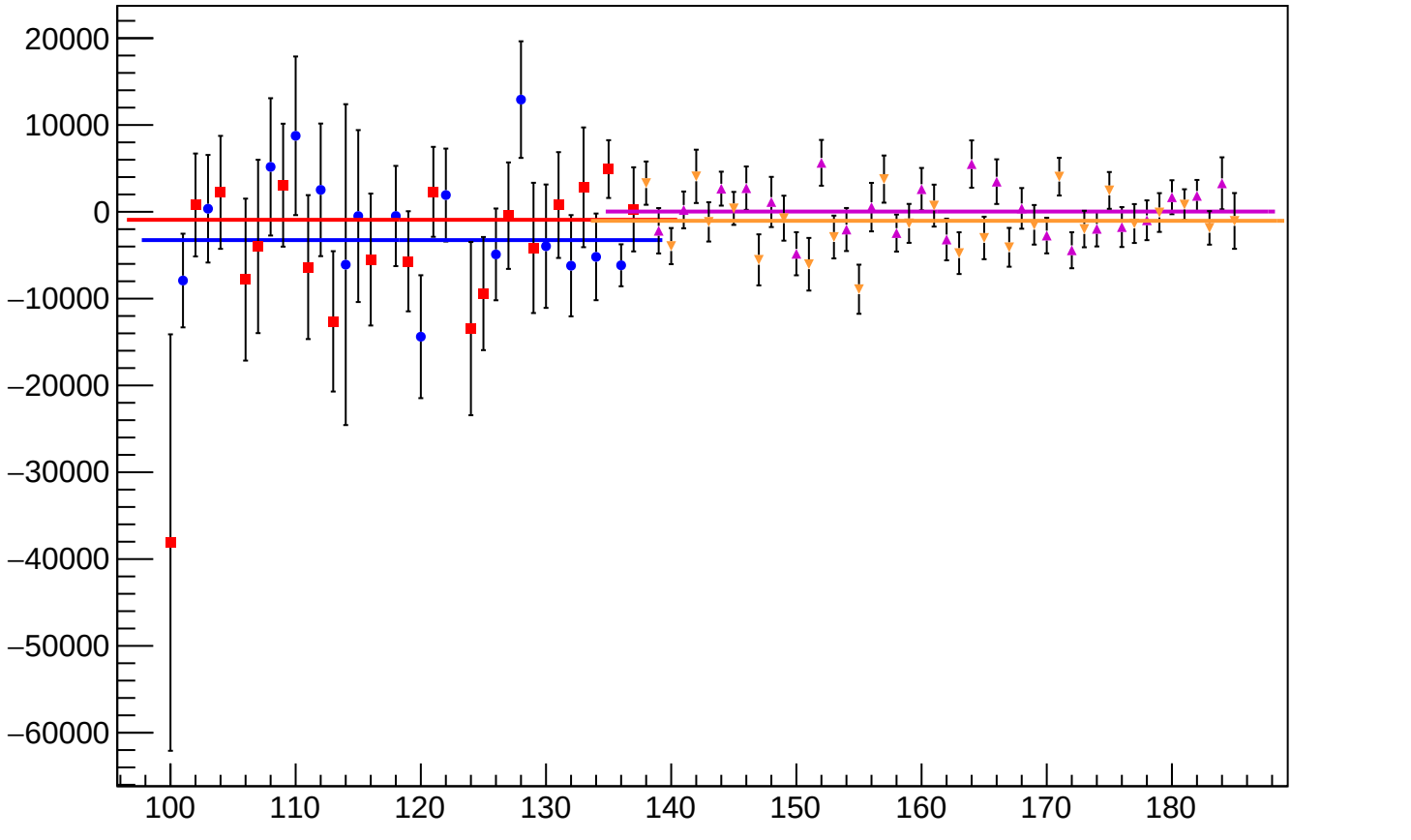
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 301.281+/-0.042 χ^2/NDF: 1339631.6/40

All: 302.119+/-0.030 χ^2/NDF: 2831979.0/82

- sign 303.000+/-0.043 χ^2/NDF: 1491525.9/41



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

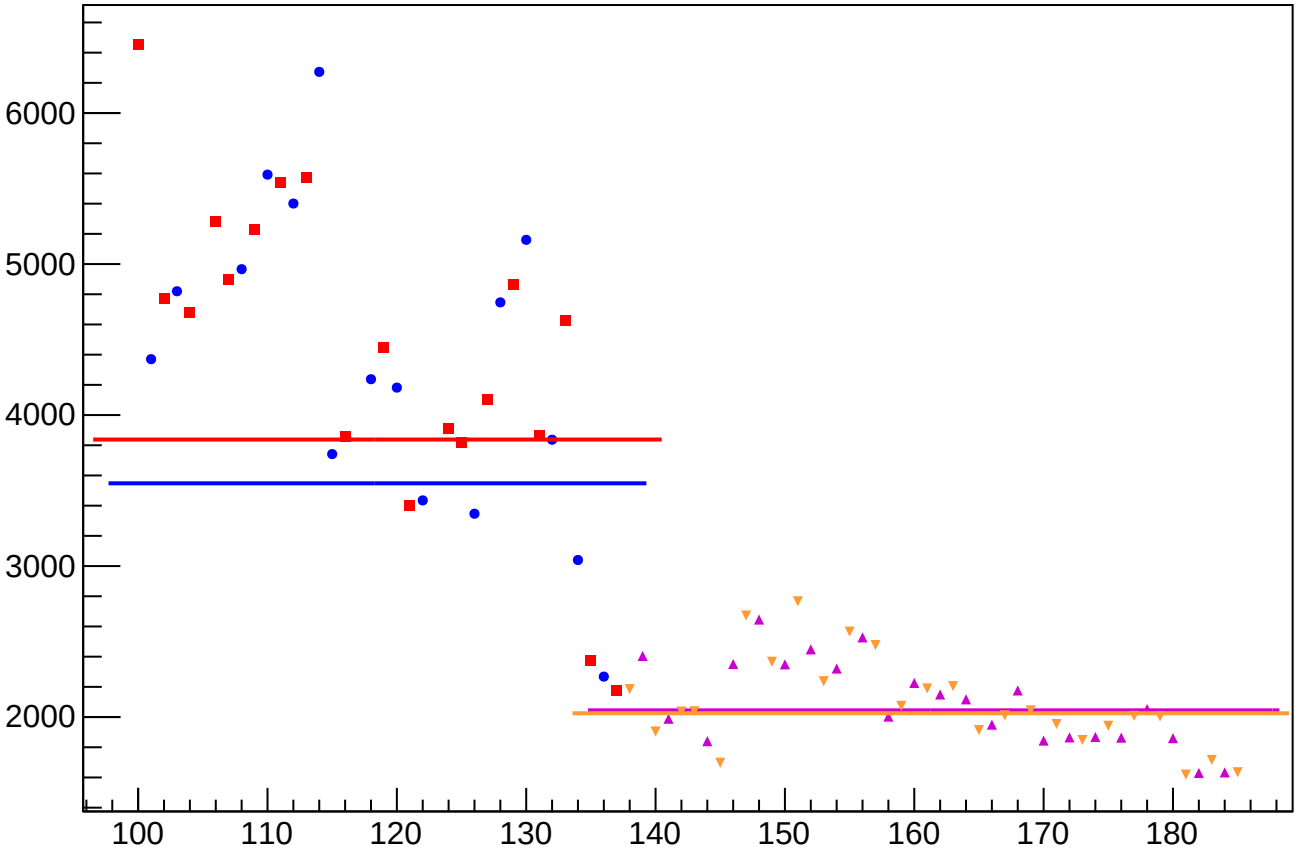
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1262.244+/-441.066 χ^2/NDF: 58.6/40

All: -685.224+/-317.687 χ^2/NDF: 111.3/82

- 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: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

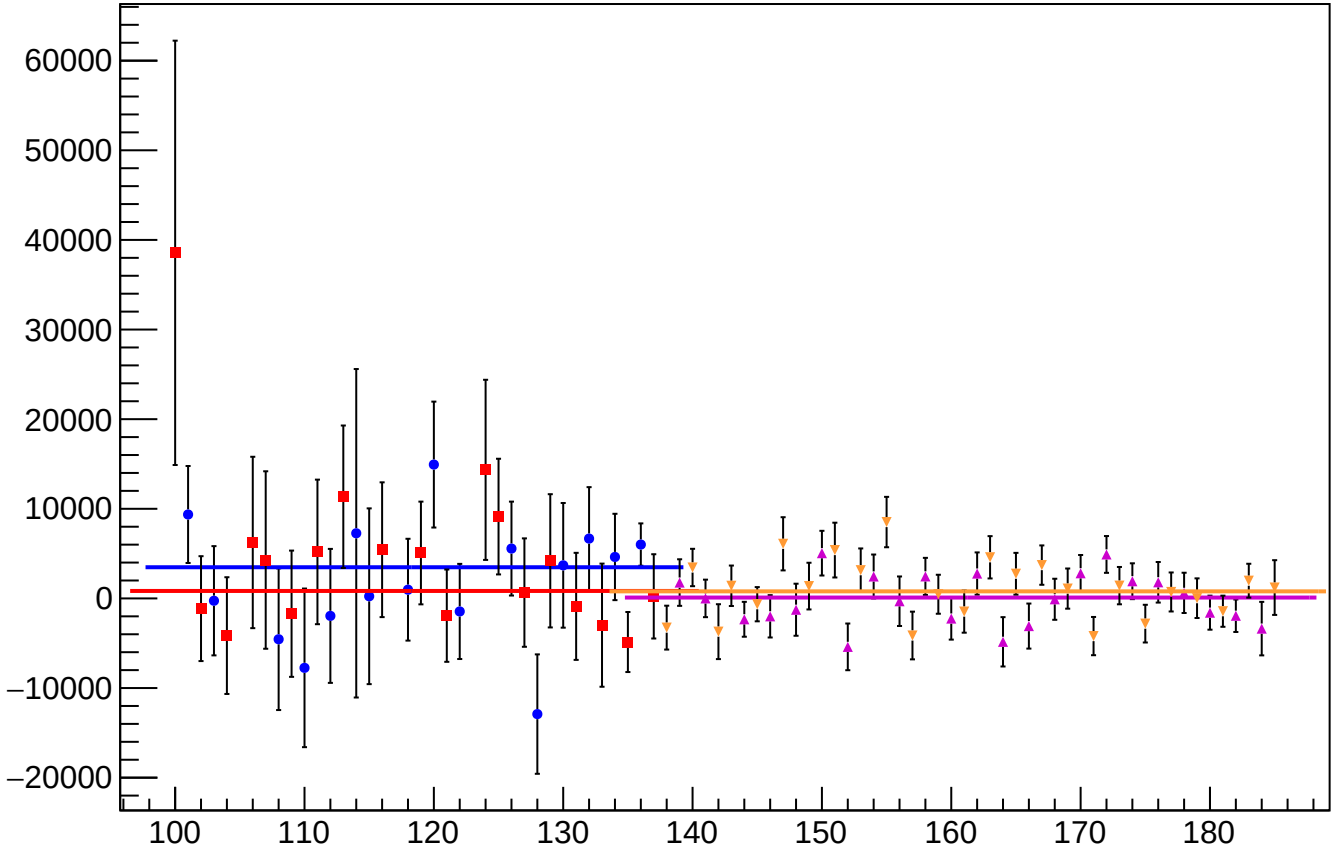
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2179.723+/-0.312 χ^2/NDF: 4134505.5/40

All: 2199.493+/-0.225 χ^2/NDF: 8602123.5/82

- 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: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

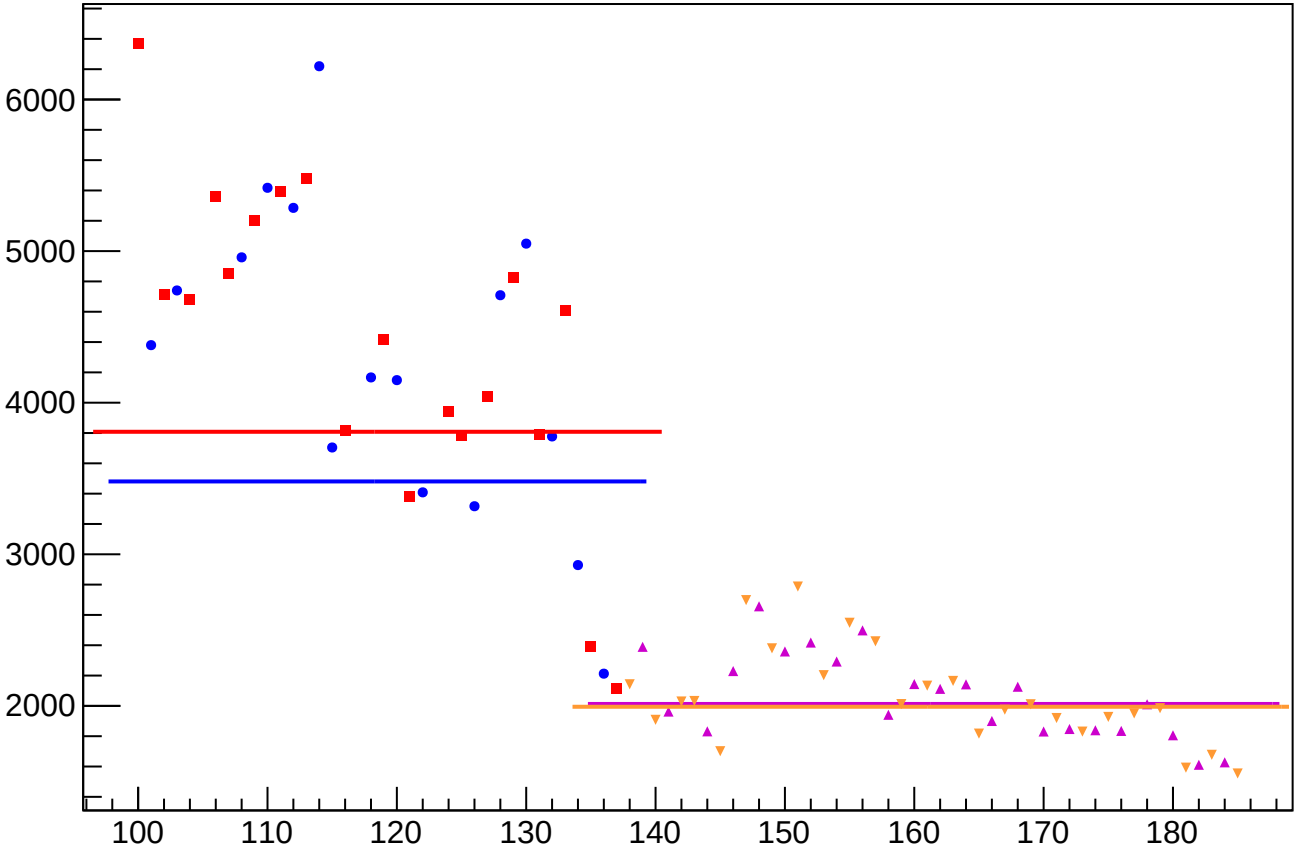
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1062.977+/-434.677 χ^2/NDF: 61.2/40

All: 632.224+/-313.054 χ^2/NDF: 110.3/82

- sign 168.027+/-451.236 χ^2/NDF: 47.1/41

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

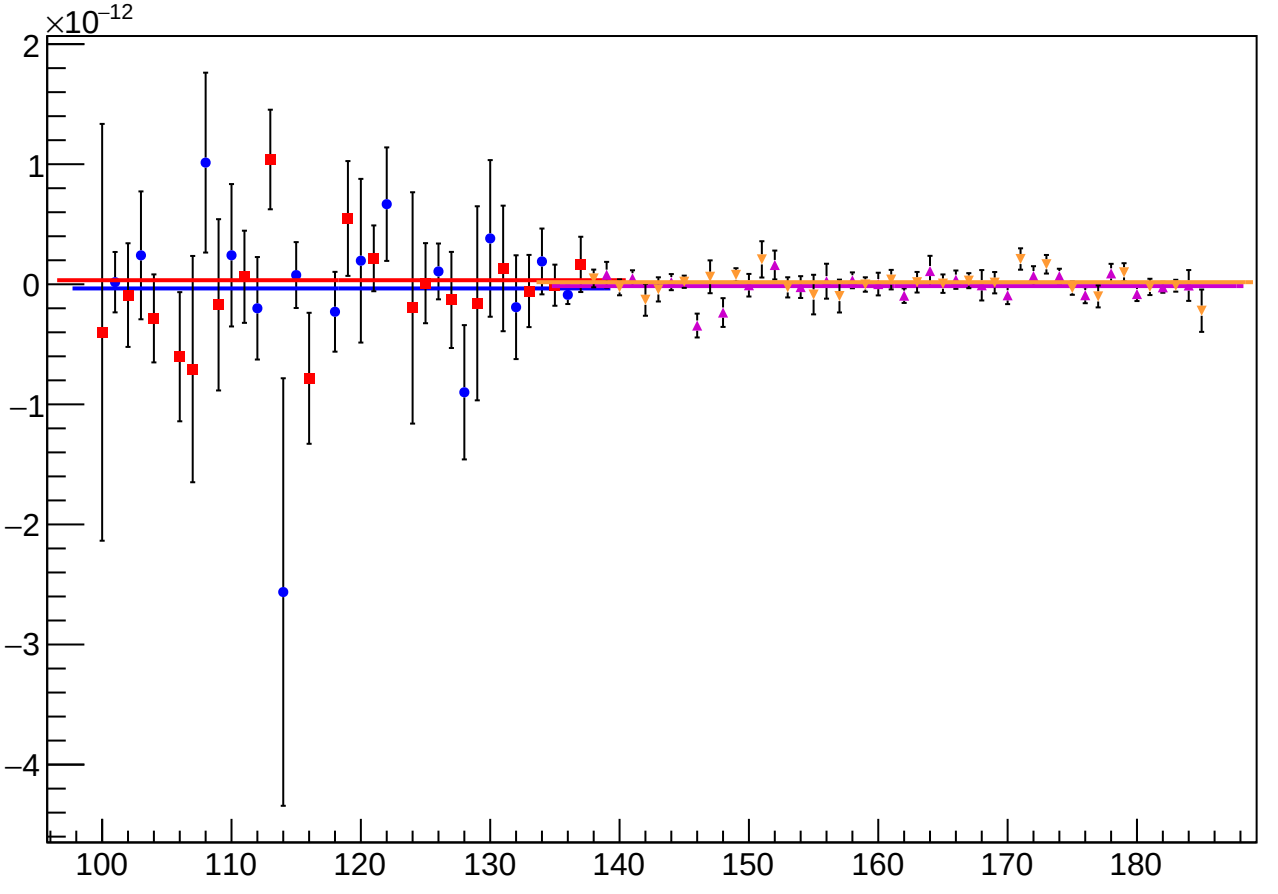
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2145.999+/-0.307 χ^2/NDF: 4186886.7/40

All: 2165.568+/-0.221 χ^2/NDF: 8700874.5/82

- sign 2186.655+/-0.319 χ^2/NDF: 4505566.6/41

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

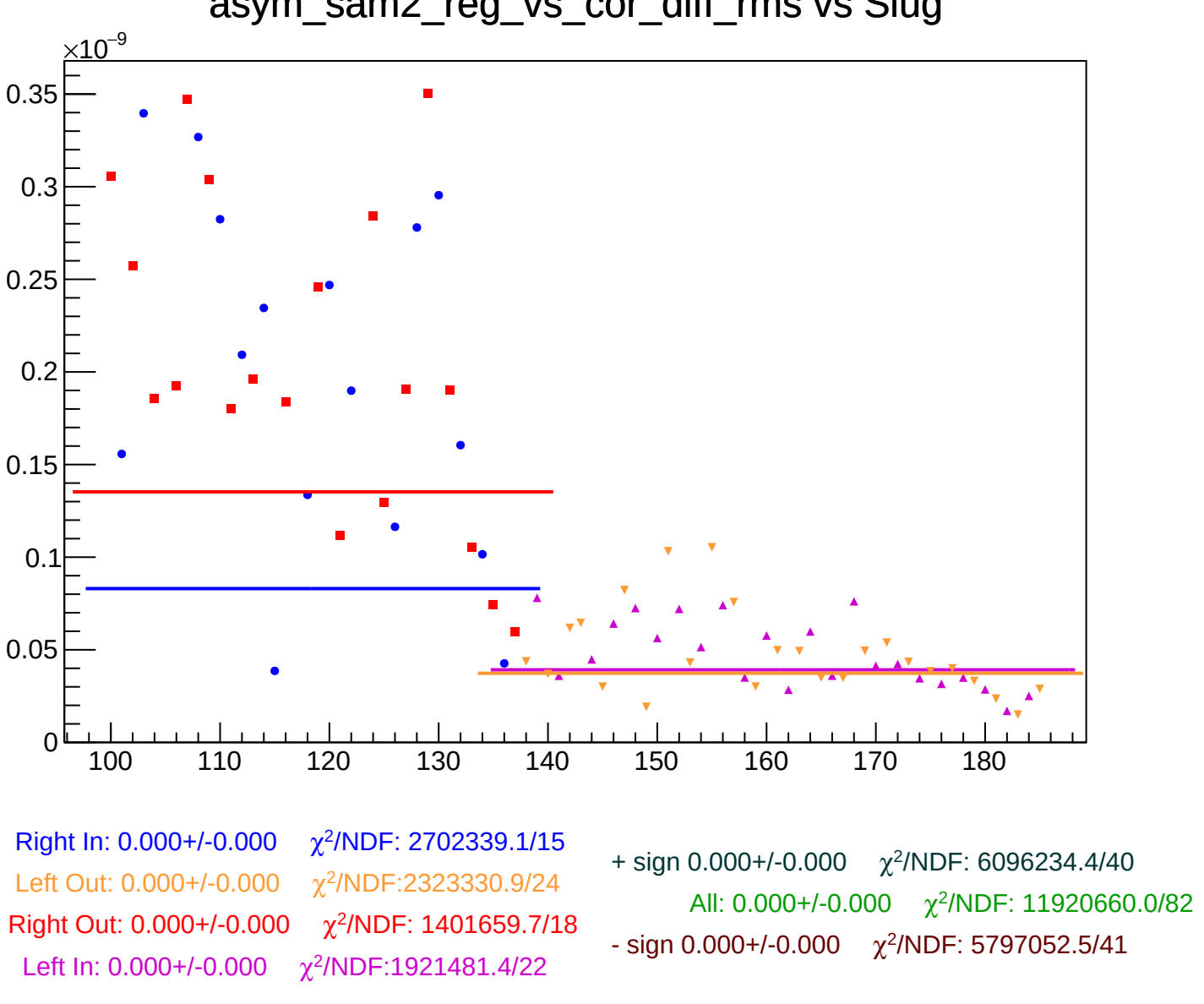
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

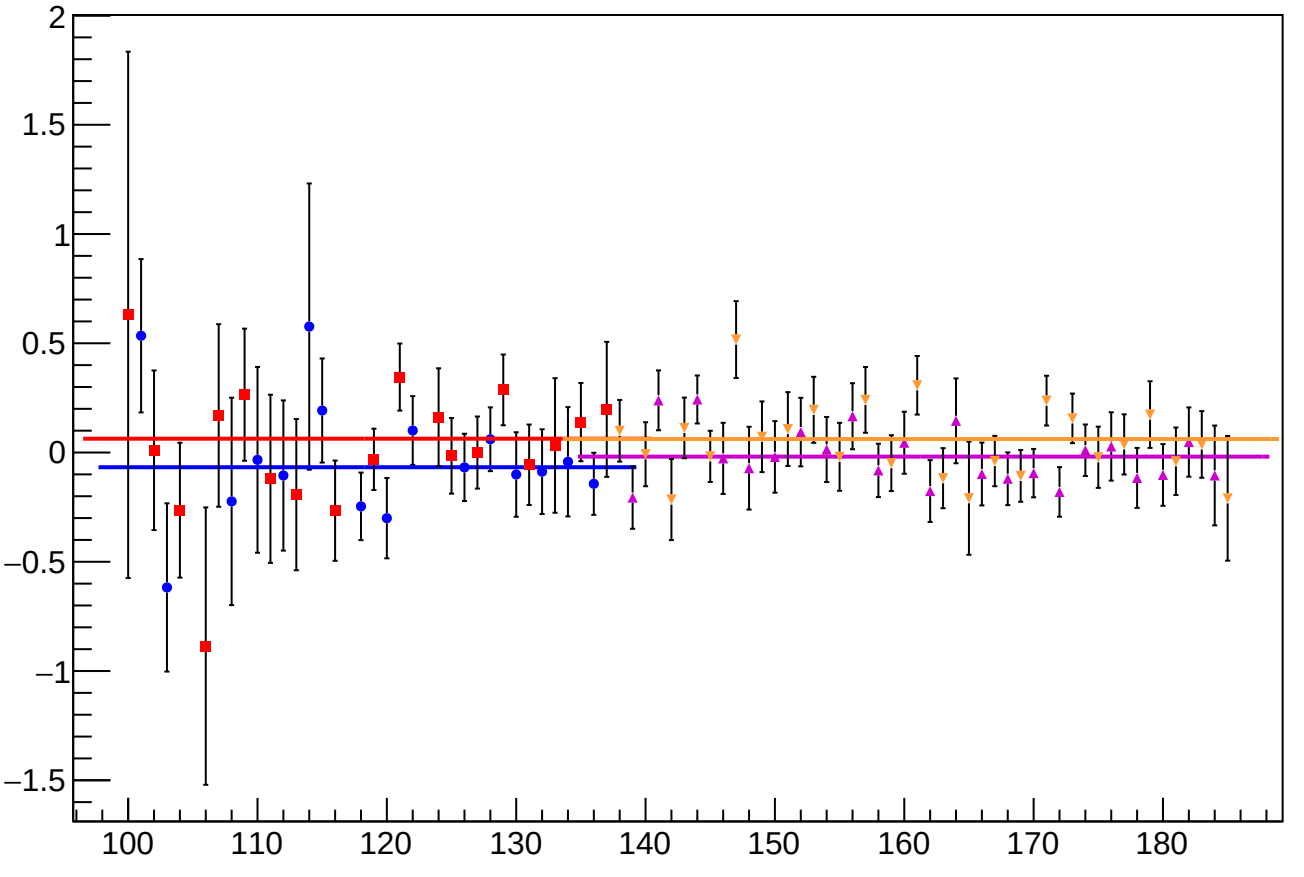
Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/40

All: 0.000+/-0.000 χ^2/NDF: 80.0/82

- sign -0.000+/-0.000 χ^2/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:2323330.9/24
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: 6096234.4/40
All: 0.000+/-0.000 χ²/NDF: 11920660.0/82
- sign 0.000+/-0.000 χ²/NDF: 5797052.5/41



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

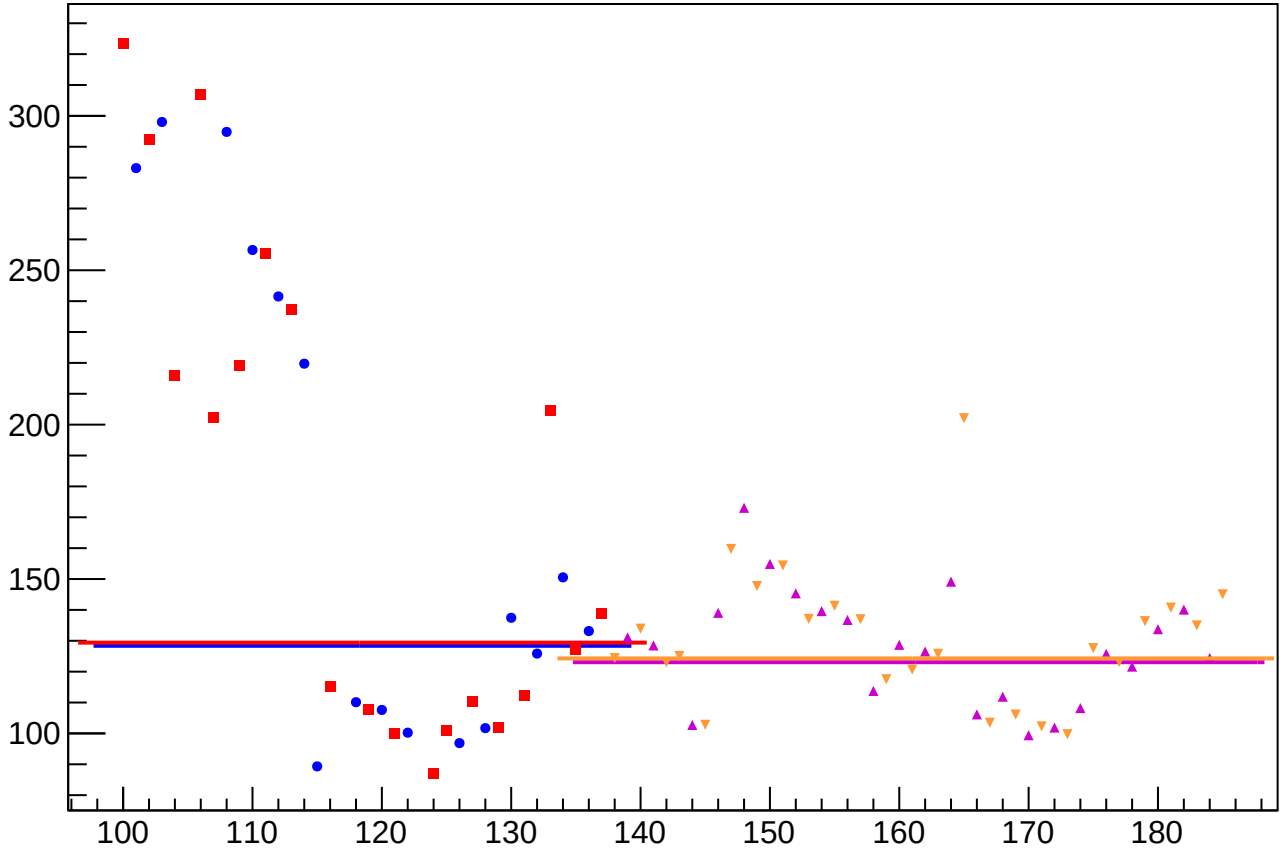
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 44.6/40

All: 0.017+/-0.018 χ^2/NDF: 81.6/82

- 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: 124.292+/-0.020 χ^2/NDF:840983.3/24

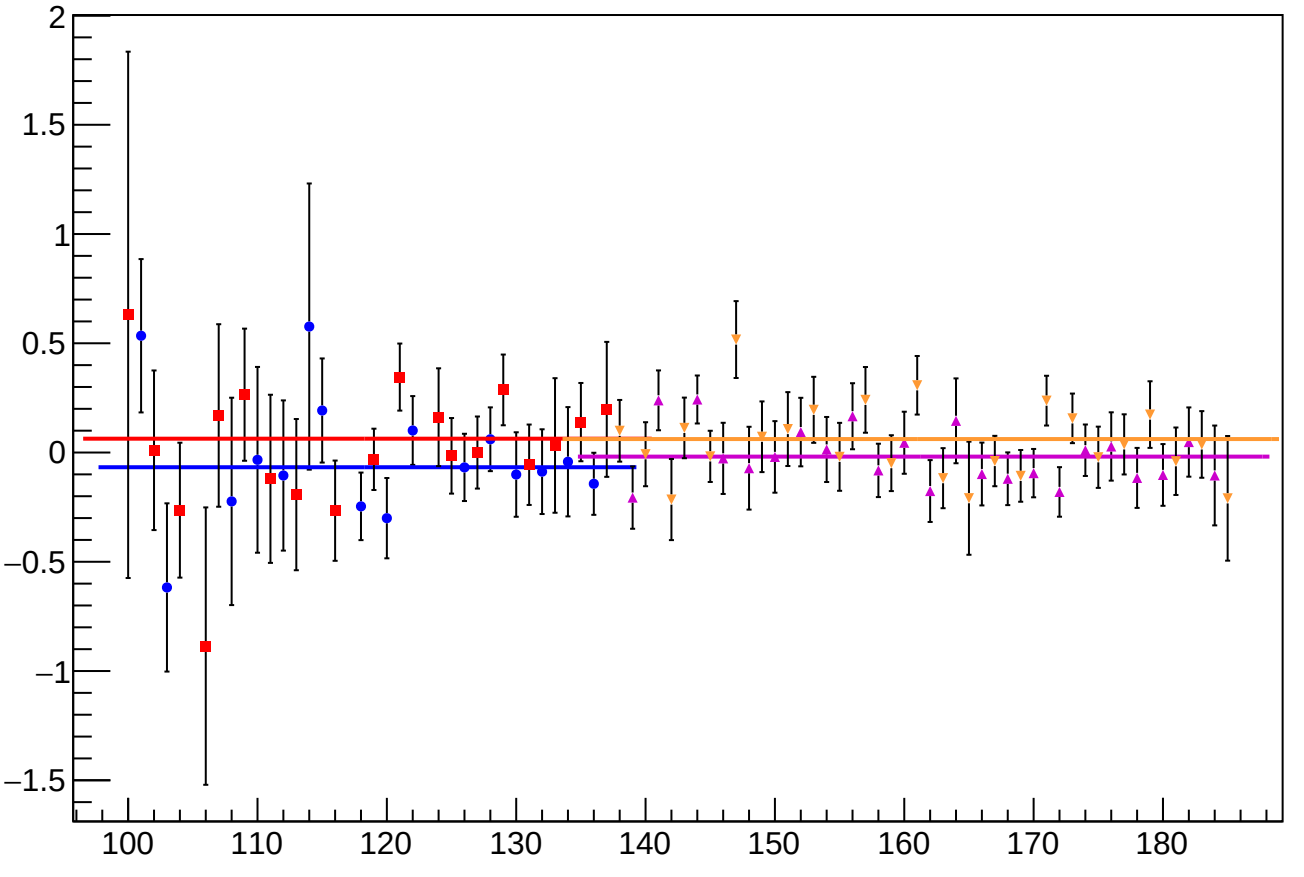
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.252+/-0.018 χ^2/NDF: 2655604.7/40

All: 124.935+/-0.013 χ^2/NDF: 5286129.6/82

- 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: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

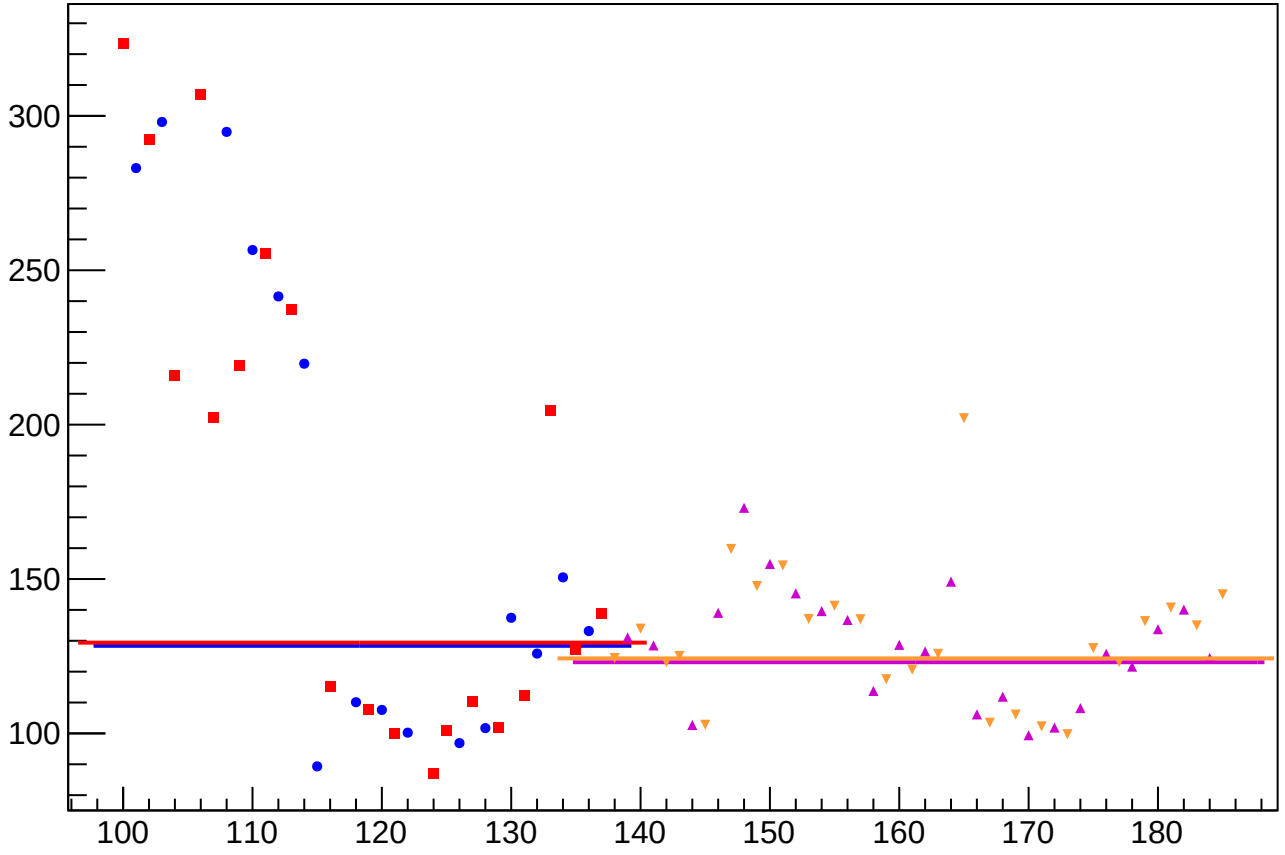
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 44.6/40

All: 0.017+/-0.018 χ^2/NDF: 81.6/82

- 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: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

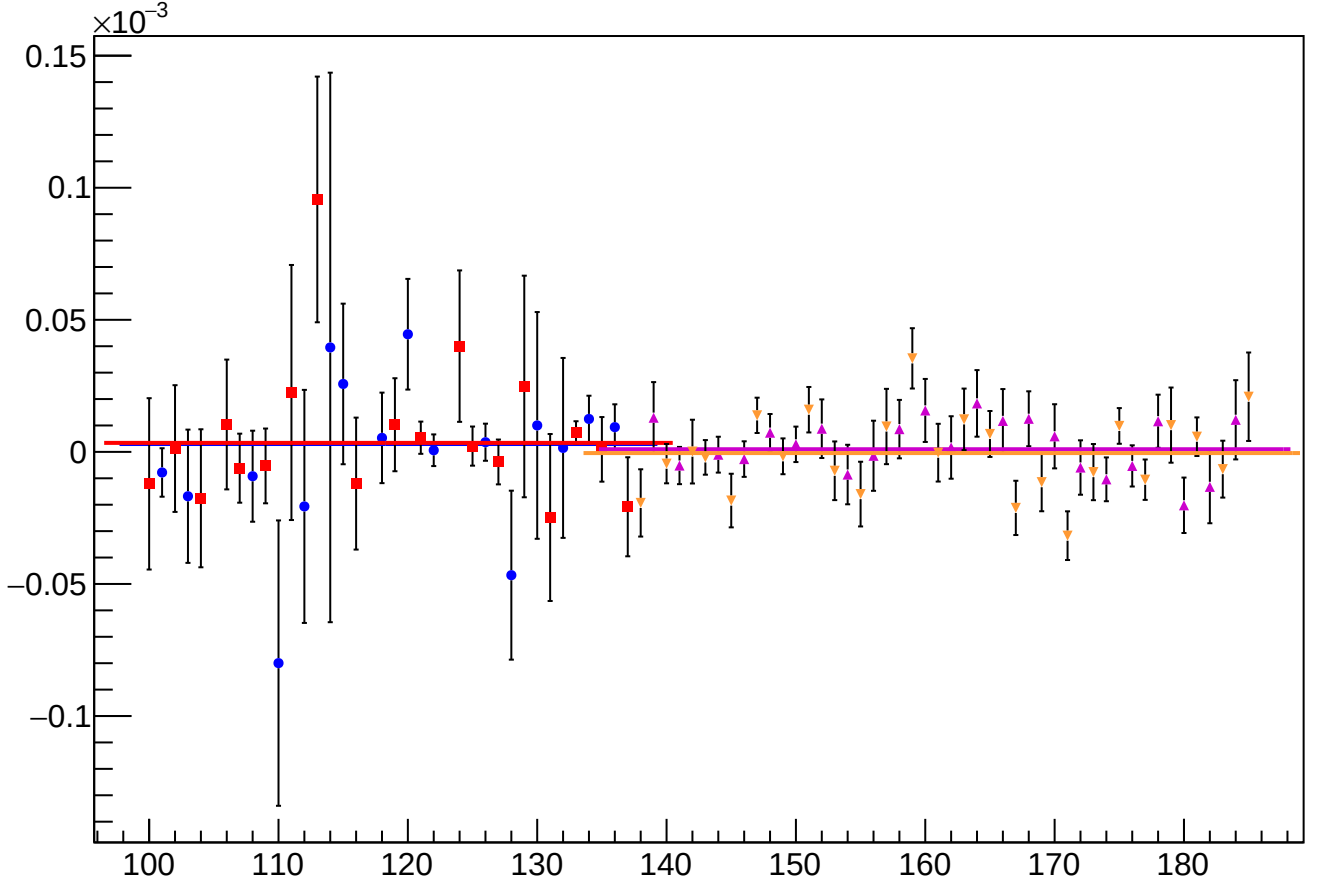
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.252+/-0.018 χ^2/NDF: 2655604.7/40

All: 124.935+/-0.013 χ^2/NDF: 5286129.6/82

- 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:52.5/24

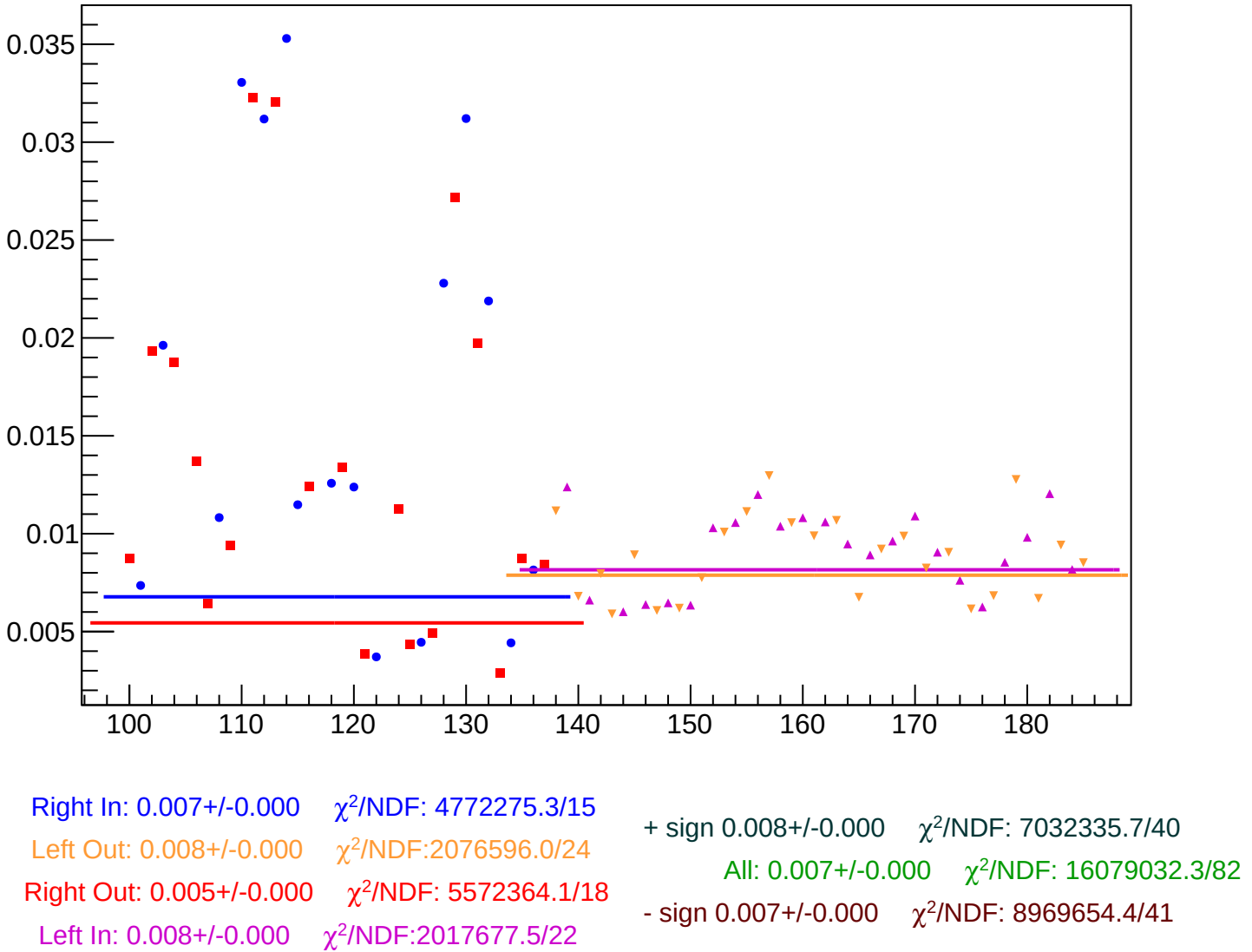
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

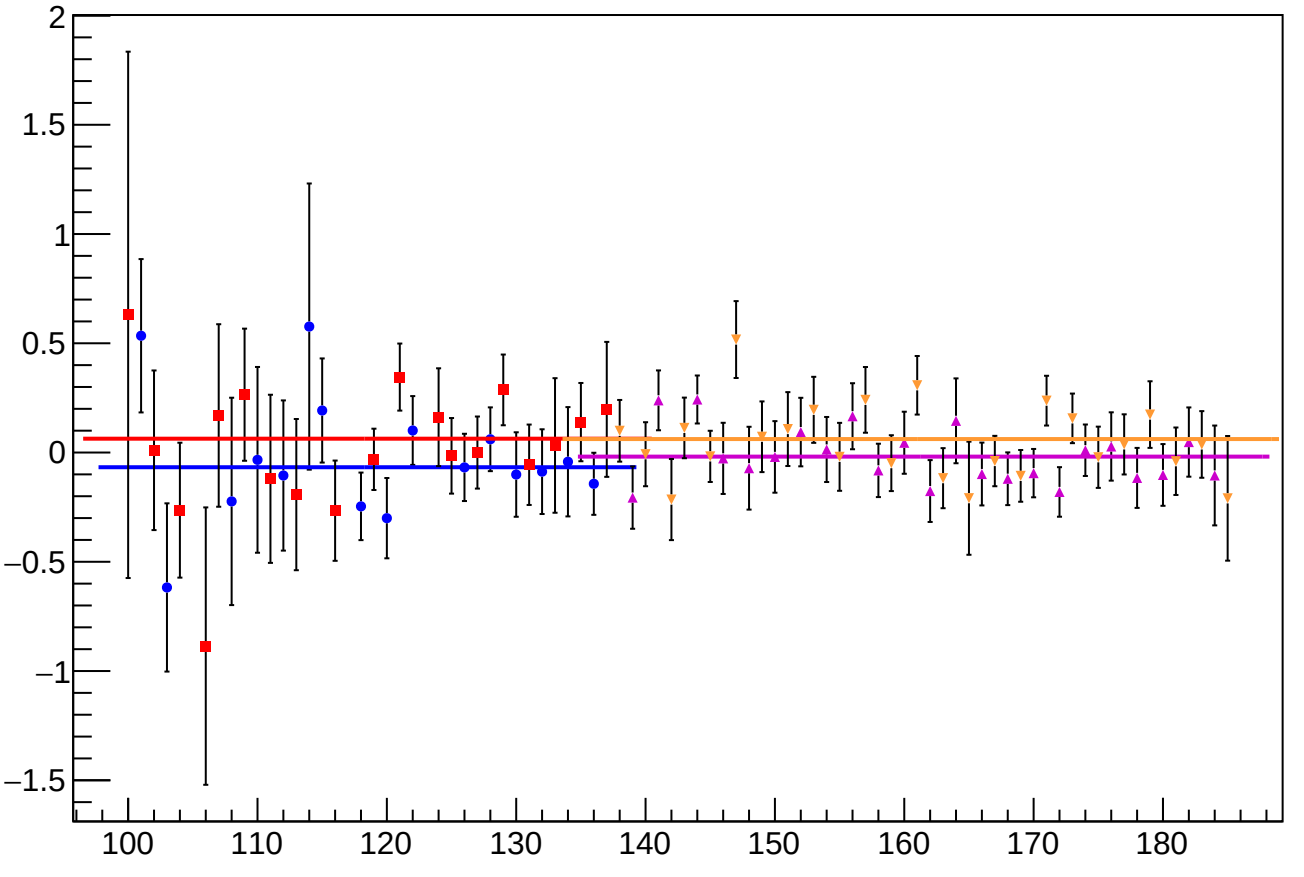
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.4/40

All: 0.000+/-0.000 χ^2/NDF: 100.9/82

- sign 0.000+/-0.000 χ^2/NDF: 33.1/41


asym_sam2_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: 4772275.3/15
Left Out: 0.008+/-0.000 χ²/NDF:2076596.0/24
Right Out: 0.005+/-0.000 χ²/NDF: 5572364.1/18
Left In: 0.008+/-0.000 χ²/NDF:2017677.5/22
+ sign 0.008+/-0.000 χ²/NDF: 7032335.7/40
All: 0.007+/-0.000 χ²/NDF: 16079032.3/82
- sign 0.007+/-0.000 χ²/NDF: 8969654.4/41



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

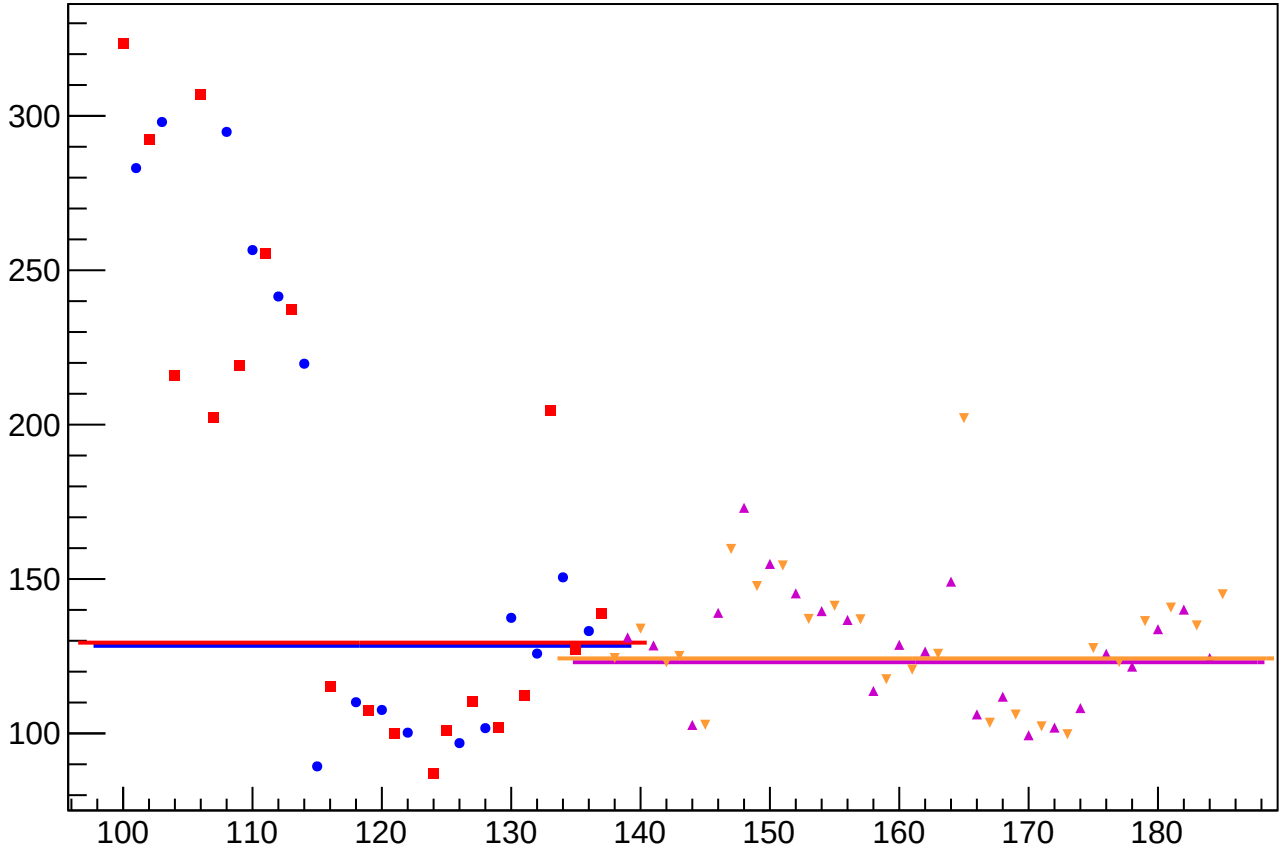
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 44.6/40

All: 0.017+/-0.018 χ^2/NDF: 81.6/82

- 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: 124.292+/-0.020 χ^2/NDF:841035.9/24

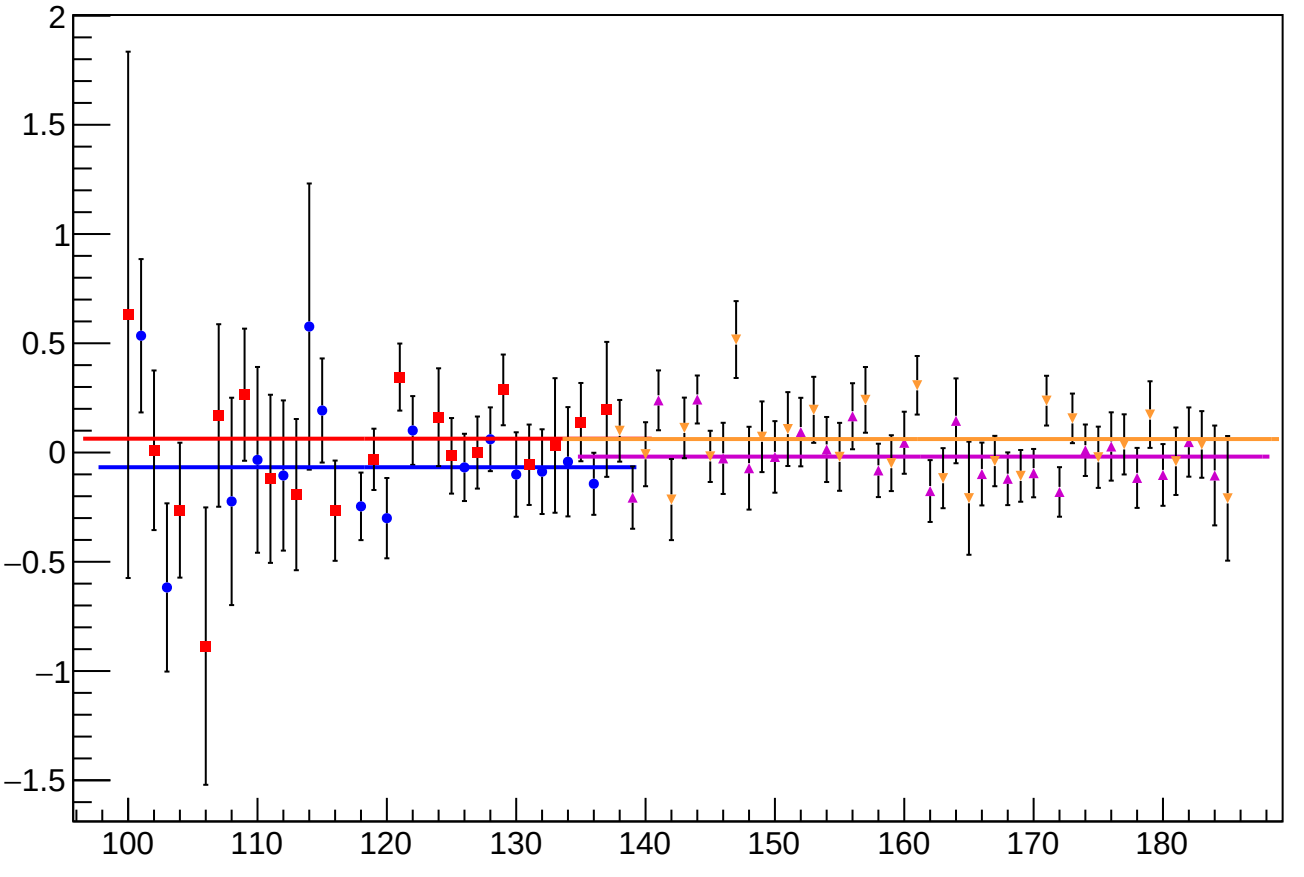
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.251+/-0.018 χ^2/NDF: 2655592.3/40

All: 124.935+/-0.013 χ^2/NDF: 5286121.8/82

- 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: 0.062+/-0.029 χ^2/NDF:27.4/24

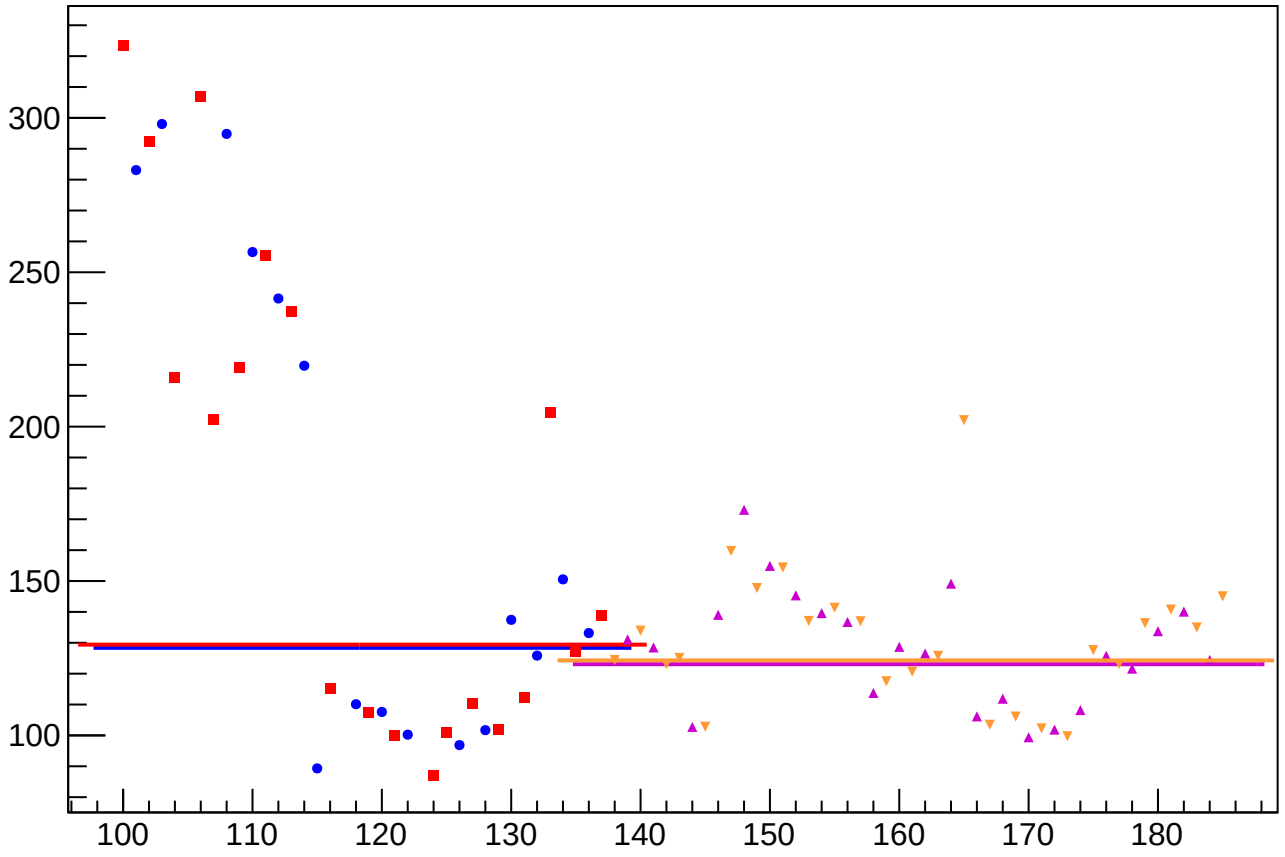
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 44.6/40

All: 0.017+/-0.018 χ^2/NDF: 81.6/82

- 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: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

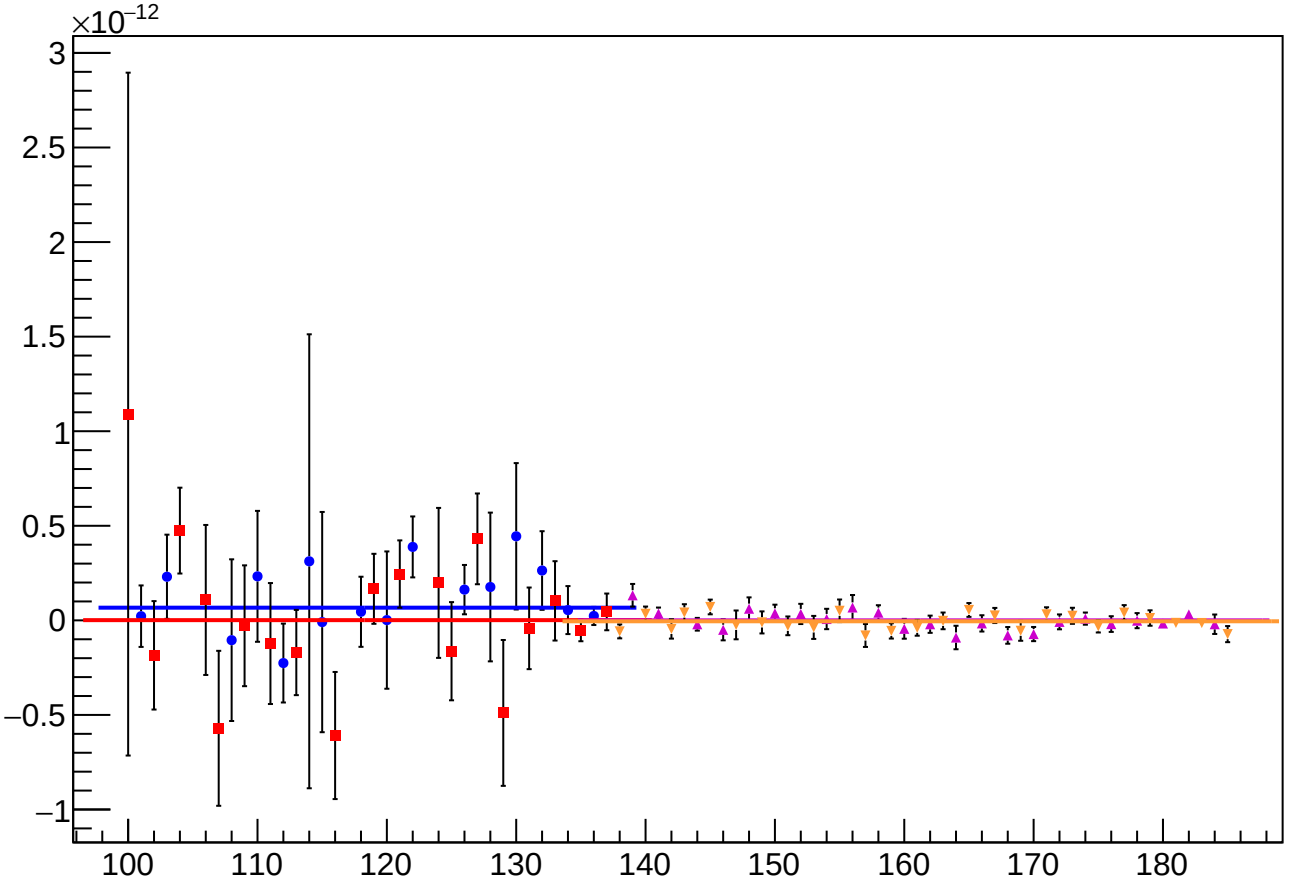
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.251+/-0.018 χ^2/NDF: 2655592.3/40

All: 124.935+/-0.013 χ^2/NDF: 5286121.8/82

- sign 124.608+/-0.018 χ^2/NDF: 2629882.6/41

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

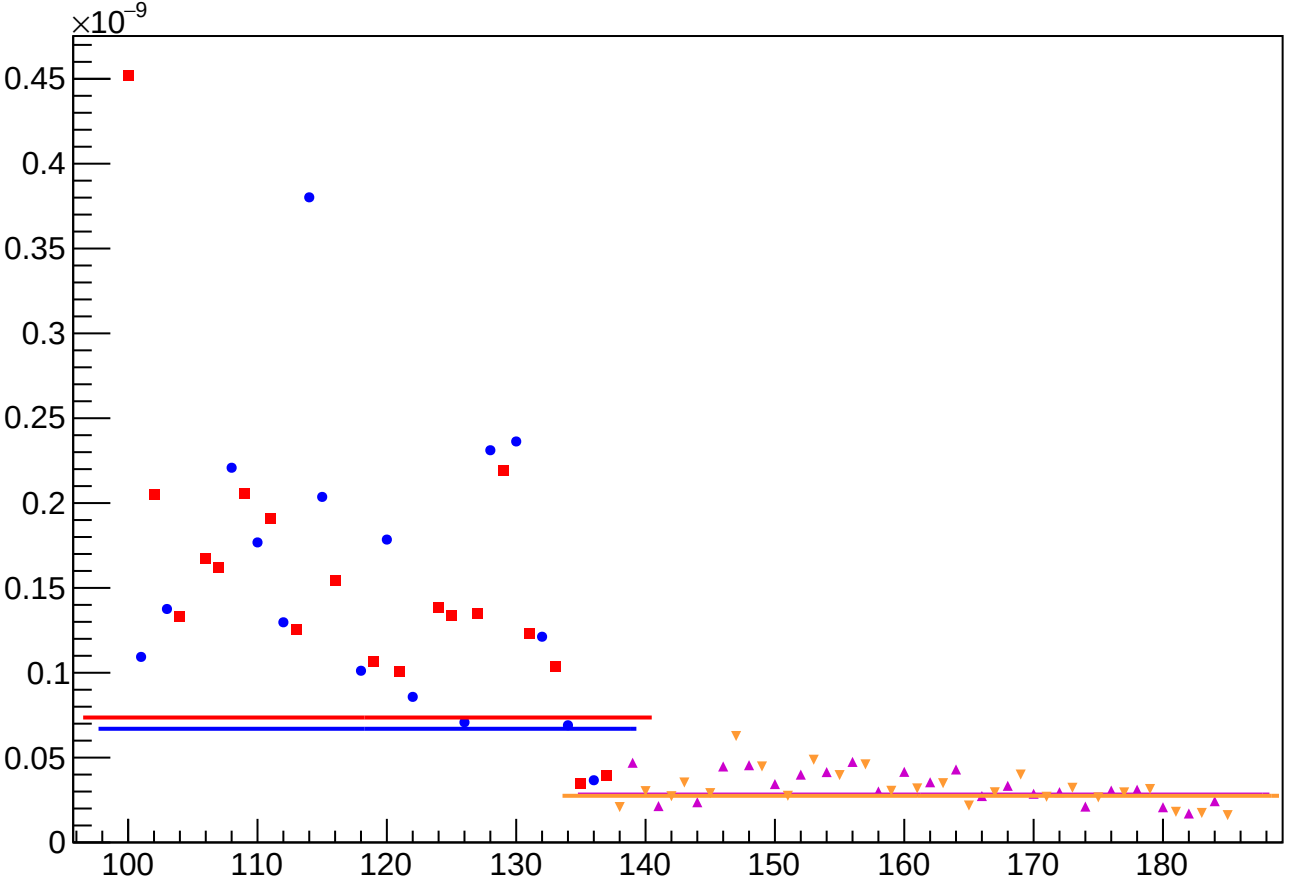
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/40

All: -0.000+/-0.000 χ^2/NDF: 84.0/82

- sign 0.000+/-0.000 χ^2/NDF: 45.3/41

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

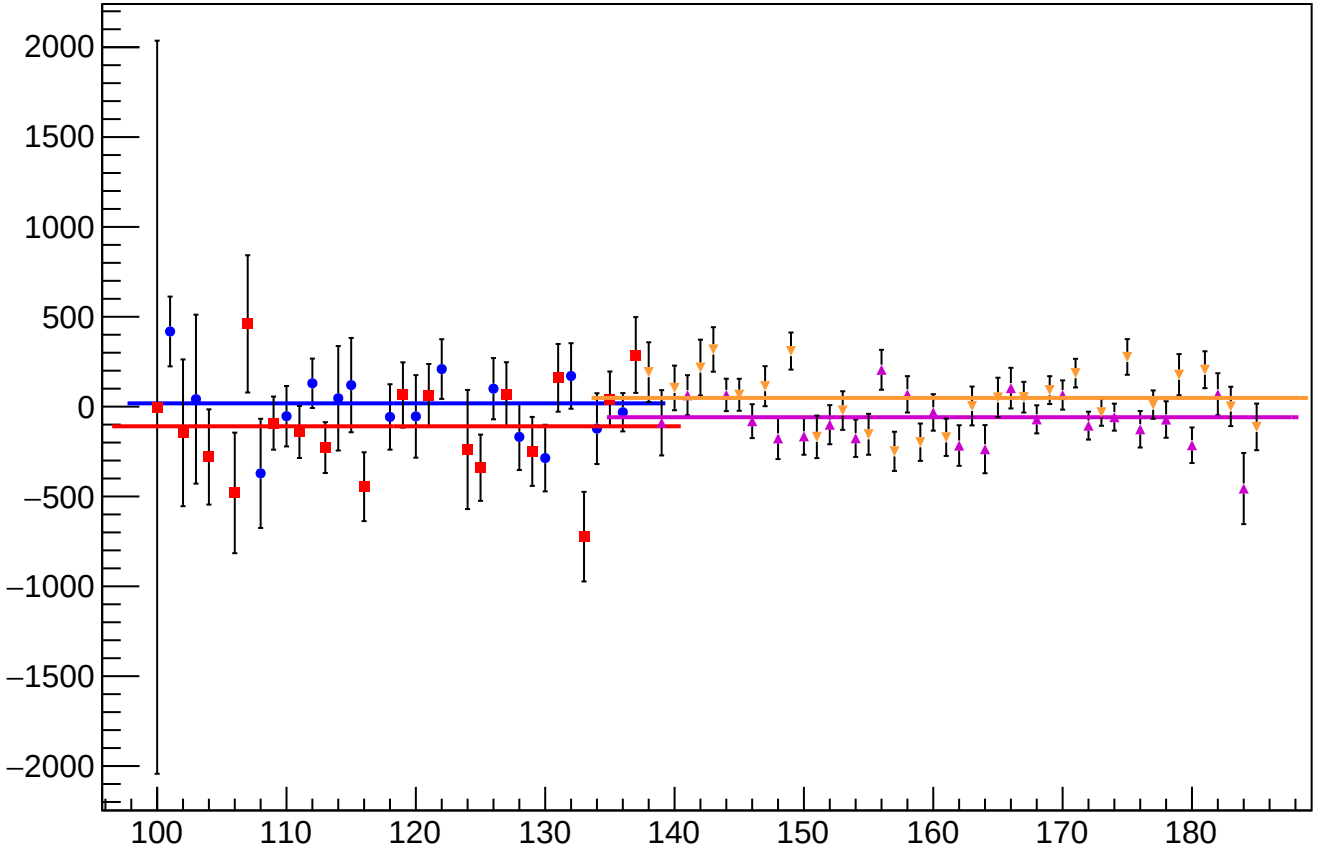
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7864189.5/40

All: 0.000+/-0.000 χ^2/NDF: 16263813.4/82

- sign 0.000+/-0.000 χ^2/NDF: 8388141.5/41

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

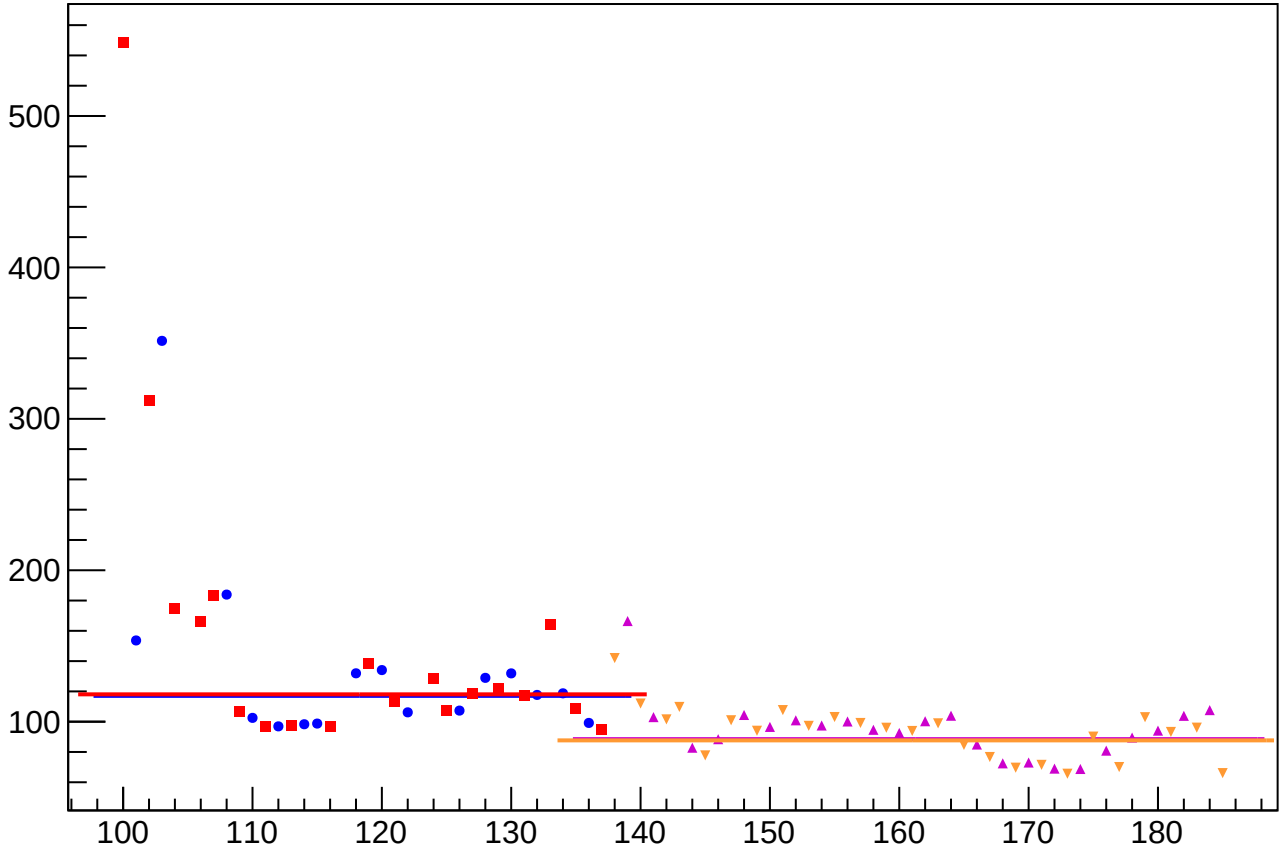
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 43.368+/-18.646 χ^2/NDF: 67.8/40

All: -10.601+/-13.379 χ^2/NDF: 142.1/82

- 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: 87.656+/-0.014 χ^2/NDF:1213284.3/24

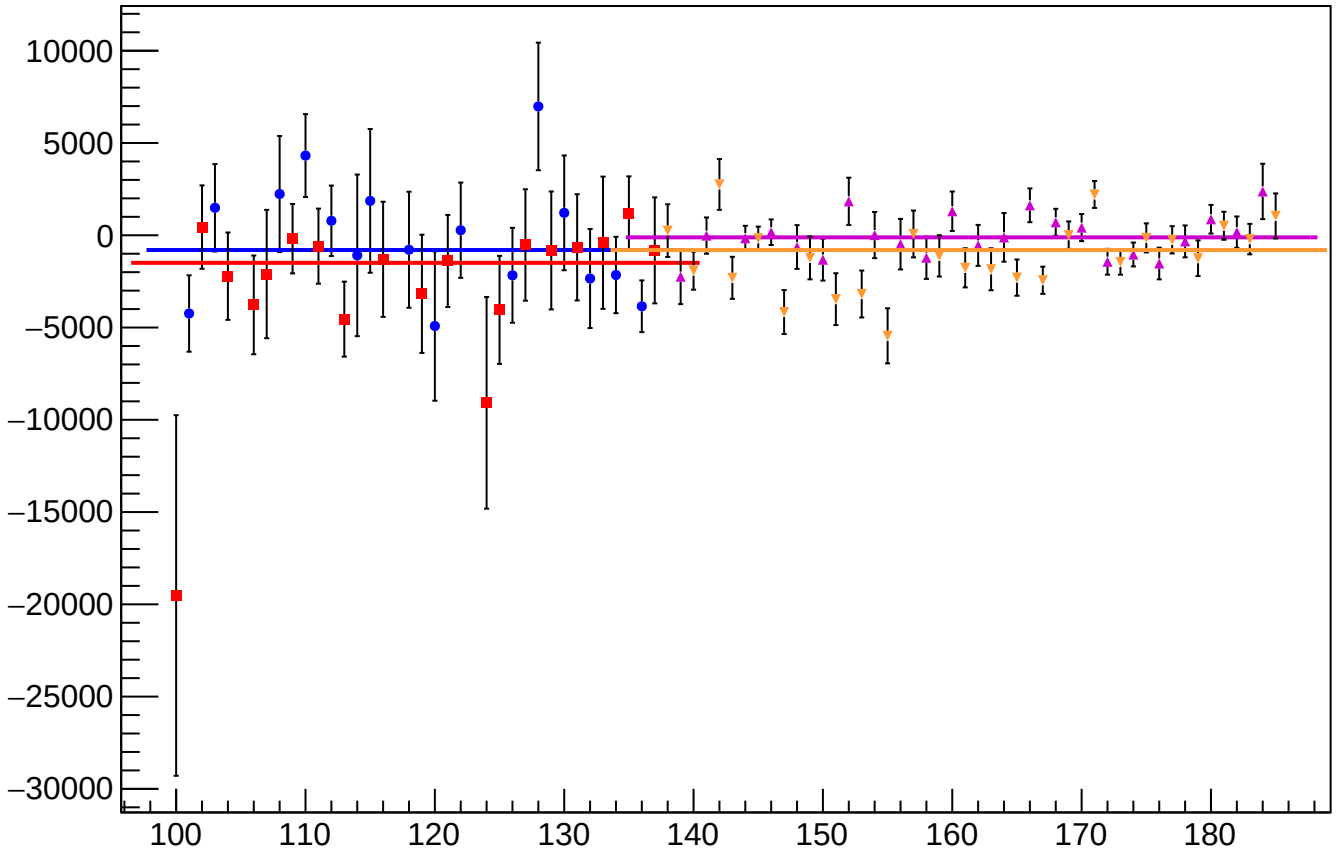
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.550+/-0.013 χ^2/NDF: 2761840.7/40

All: 93.098+/-0.009 χ^2/NDF: 5518535.6/82

- 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: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

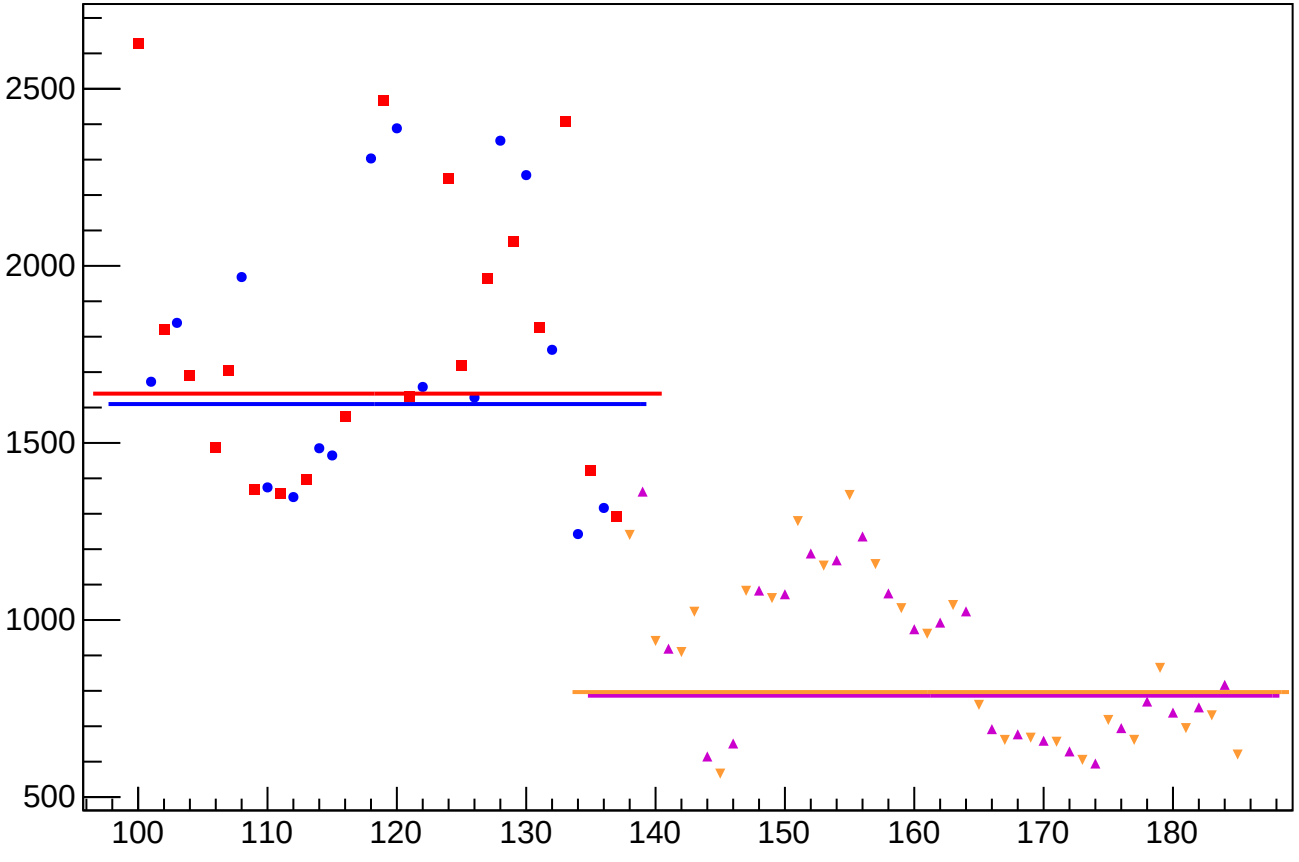
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -801.304+/-179.598 χ^2/NDF: 95.3/40

All: -520.905+/-127.739 χ^2/NDF: 144.9/82

- 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: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

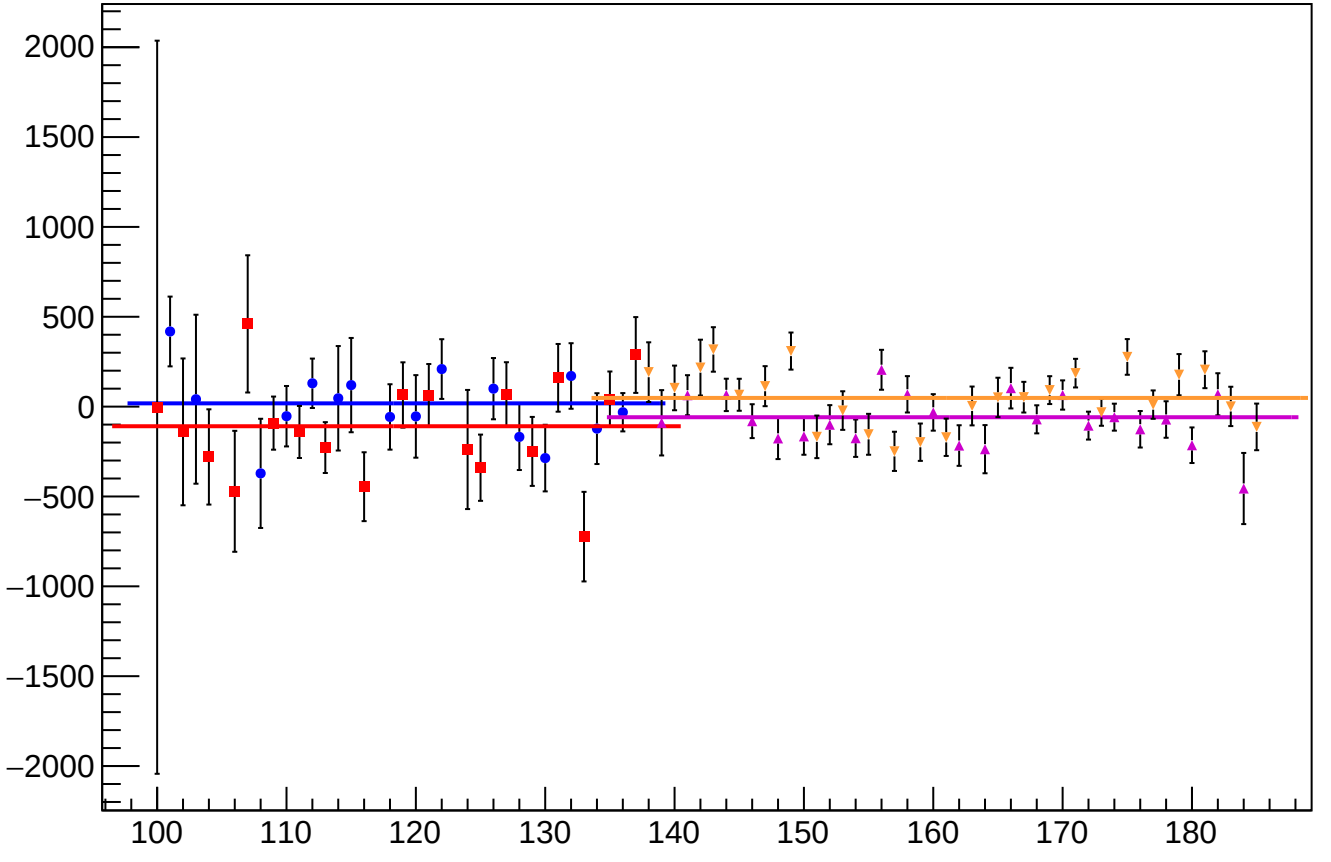
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 865.652+/-0.127 χ^2/NDF: 6226573.6/40

All: 863.484+/-0.090 χ^2/NDF: 12434453.7/82

- 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: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

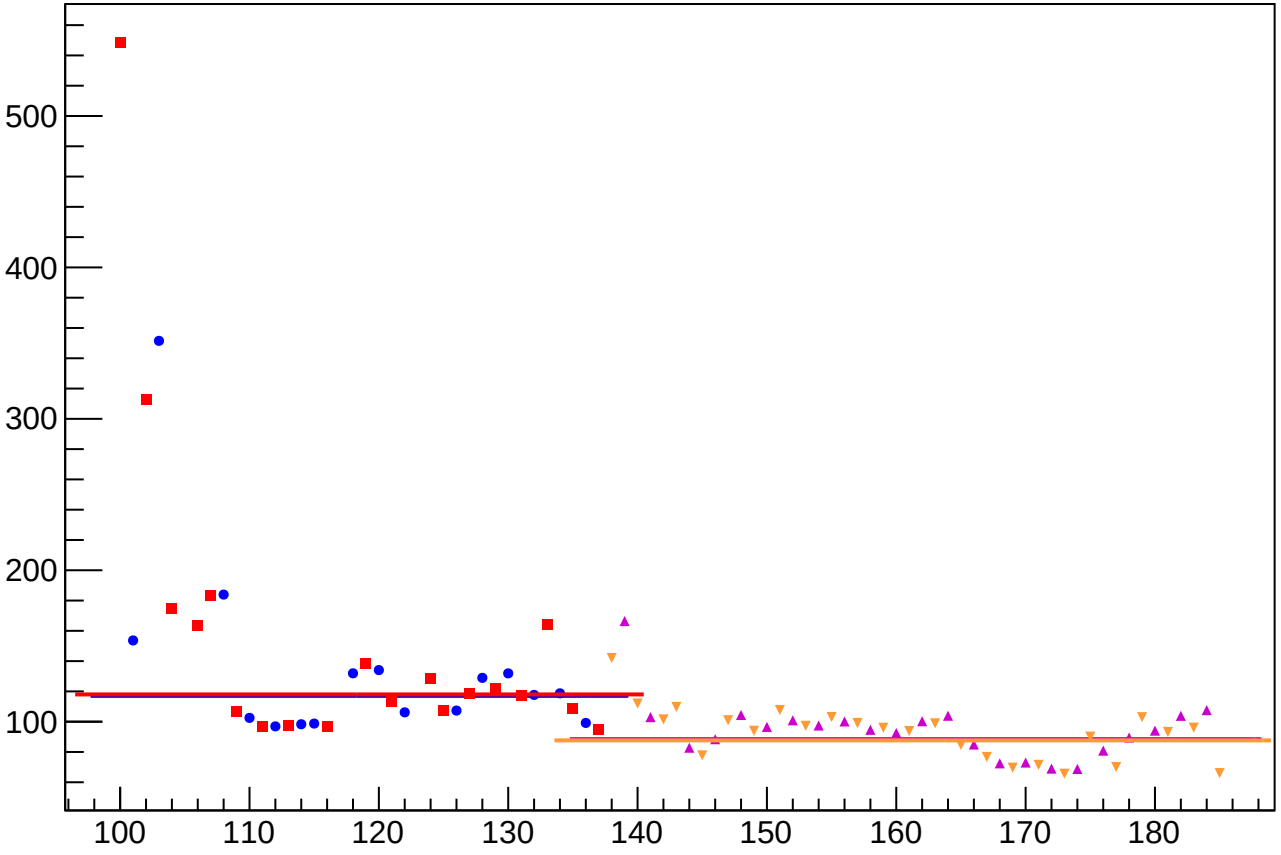
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.371+/-18.646 χ^2/NDF: 67.8/40

All: -10.576+/-13.379 χ^2/NDF: 142.0/82

- 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: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

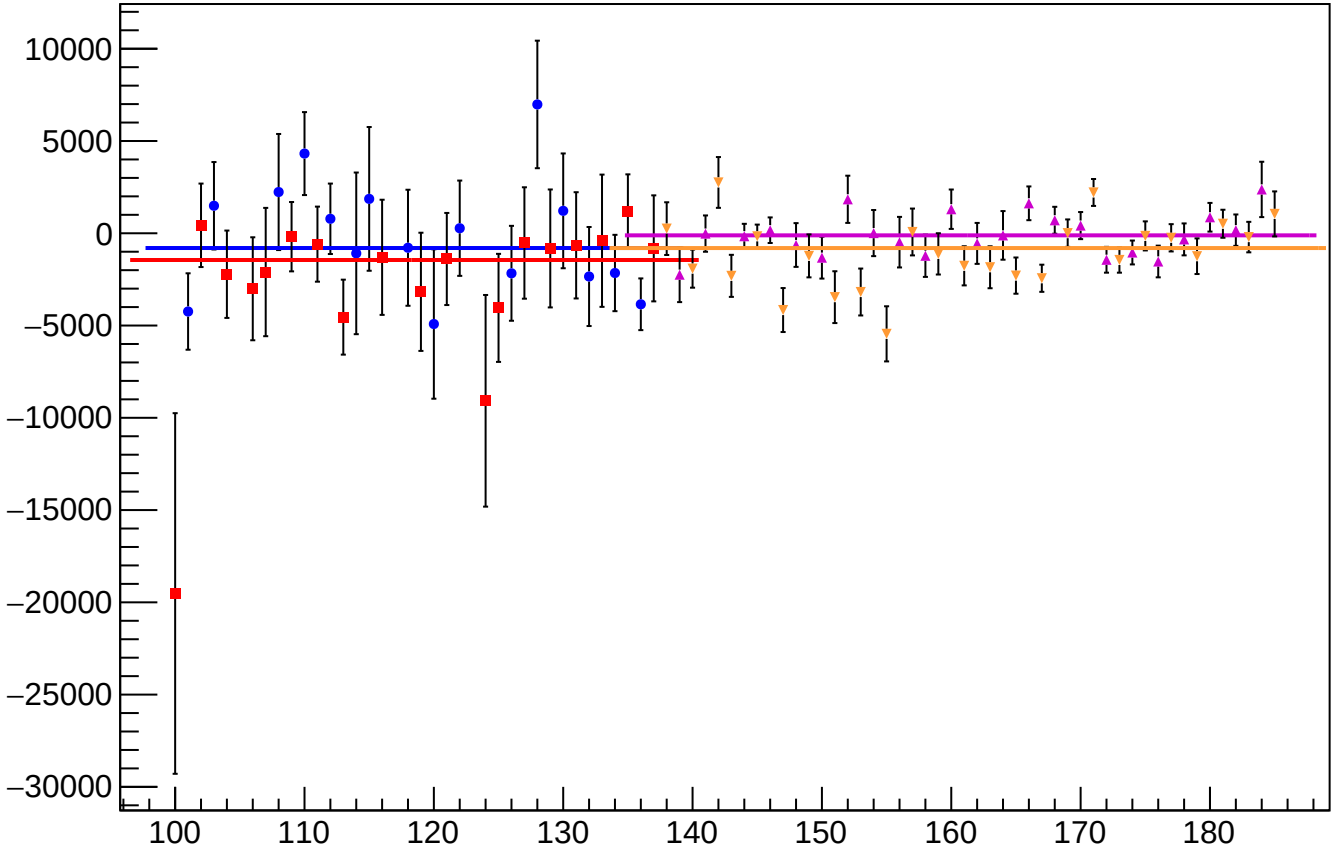
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.550+/-0.013 χ^2/NDF: 2761842.2/40

All: 93.093+/-0.009 χ^2/NDF: 5511805.5/82

- sign 93.669+/-0.014 χ^2/NDF: 2746471.3/41

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

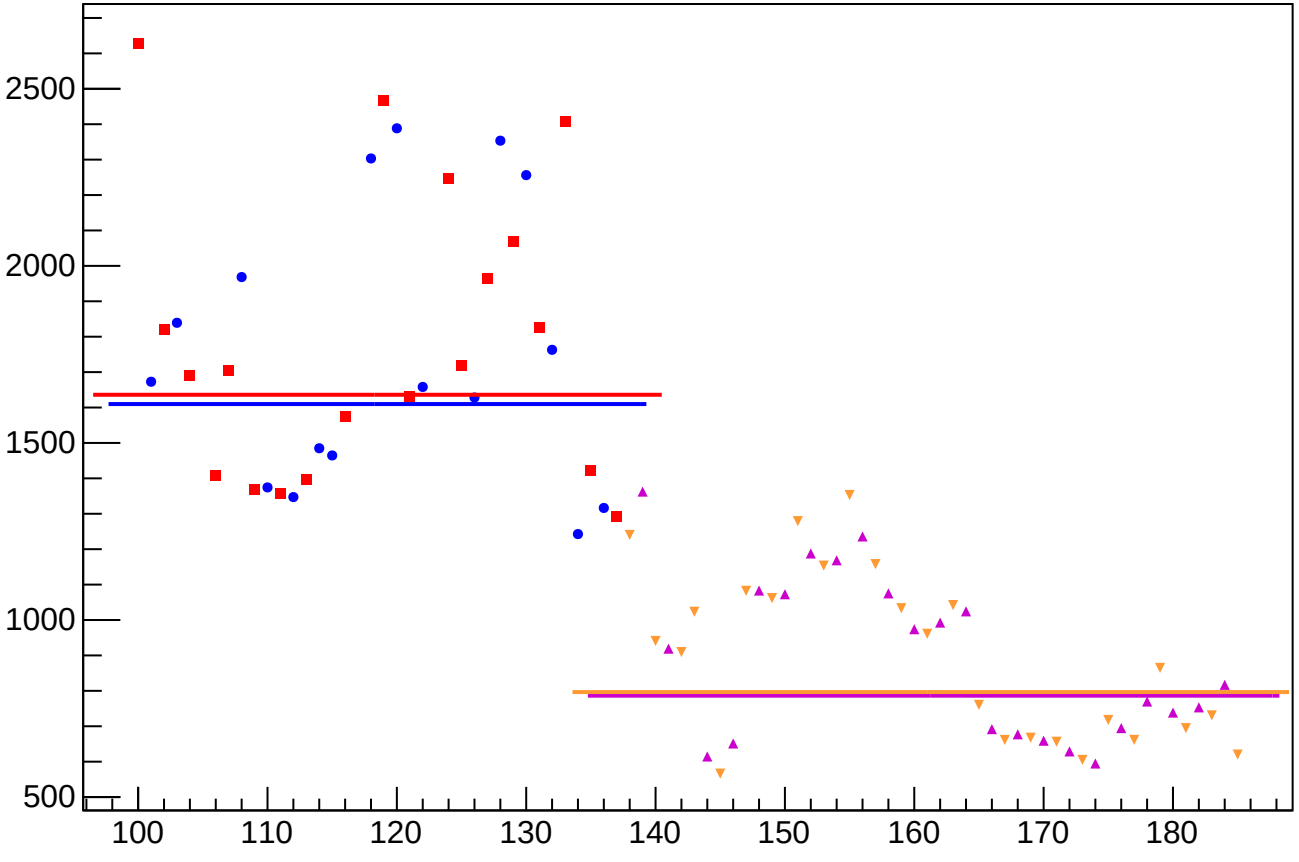
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.296+/-179.598 χ^2/NDF: 95.3/40

All: -518.751+/-127.751 χ^2/NDF: 144.2/82

- 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: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

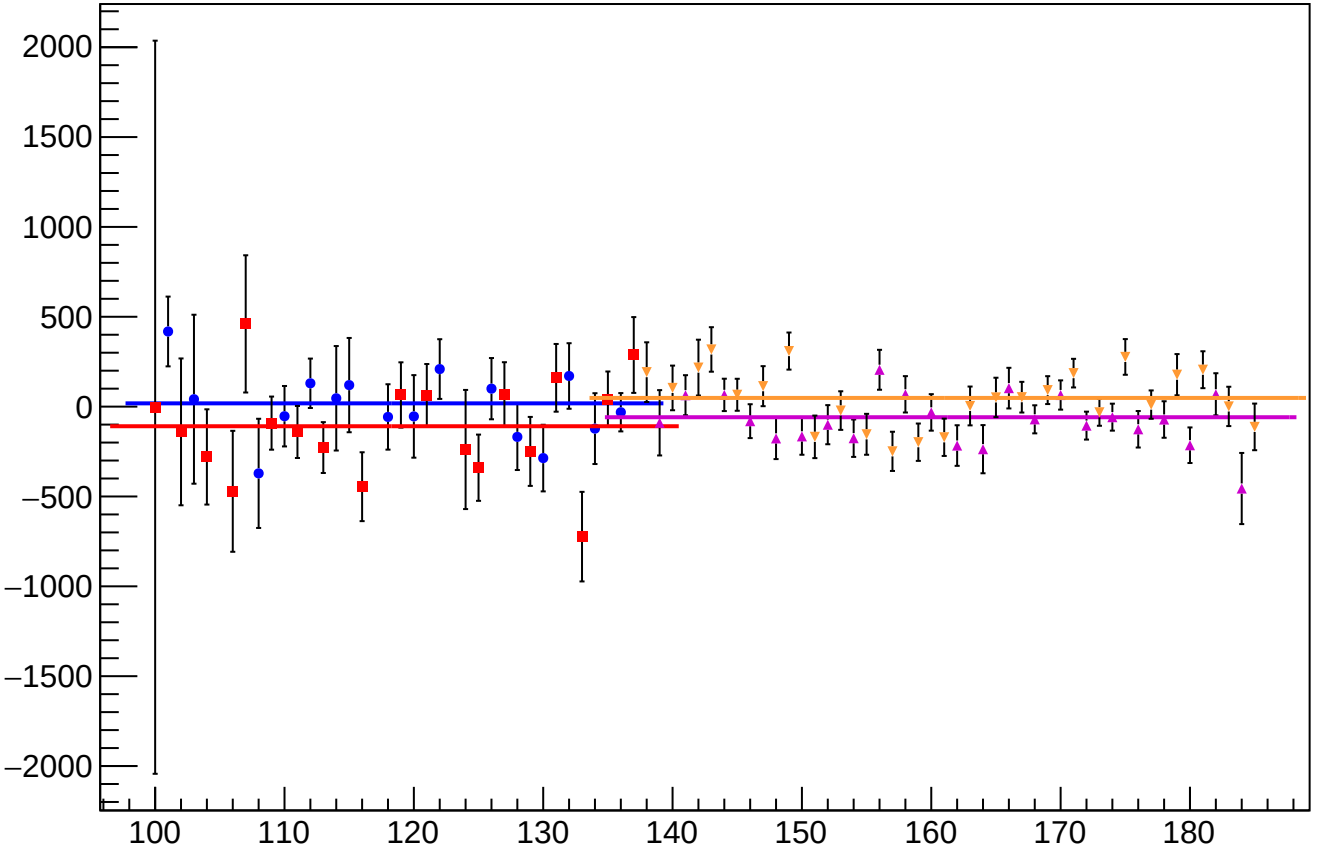
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 865.652+/-0.127 χ^2/NDF: 6226631.7/40

All: 863.198+/-0.090 χ^2/NDF: 12401906.4/82

- 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: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

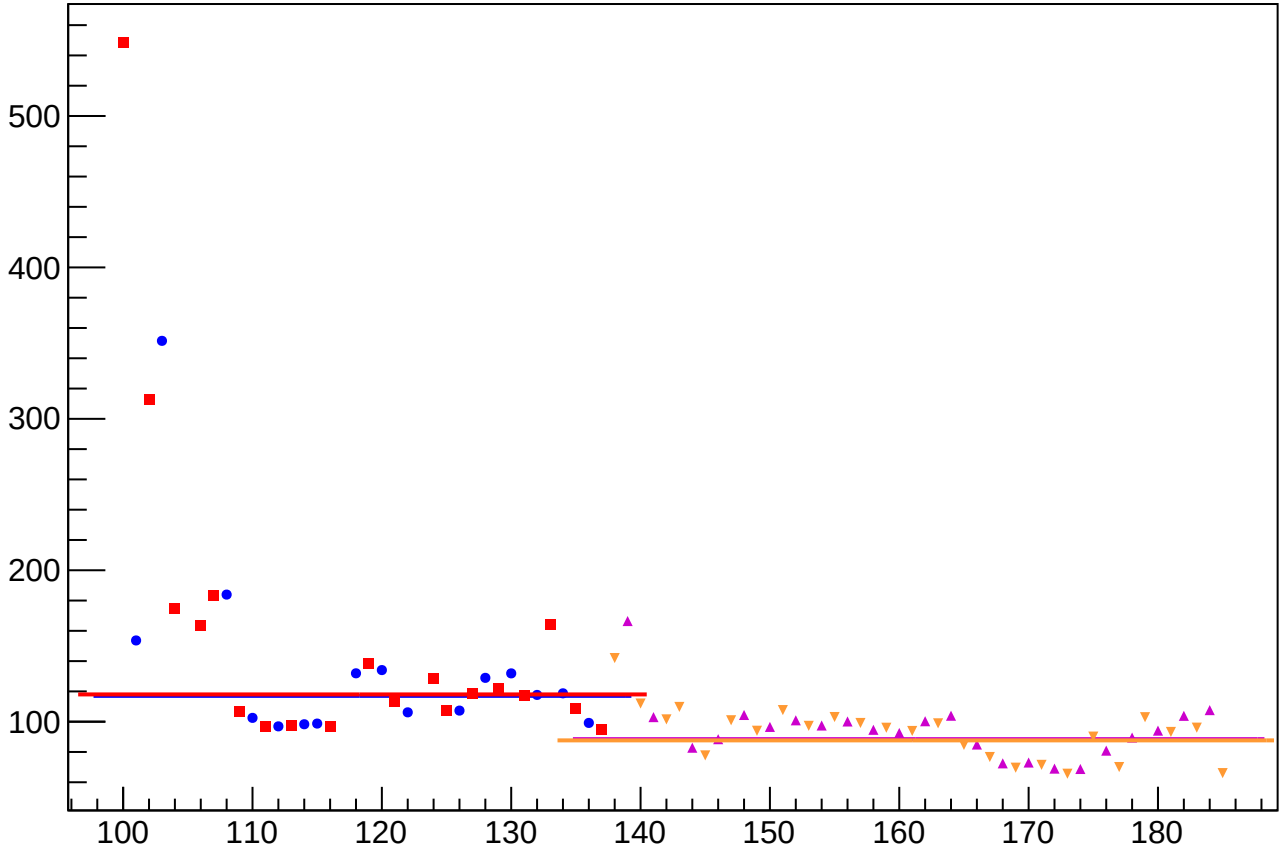
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.371+/-18.646 χ^2/NDF: 67.8/40

All: -10.576+/-13.379 χ^2/NDF: 142.0/82

- 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: 87.656+/-0.014 χ^2/NDF:1213284.3/24

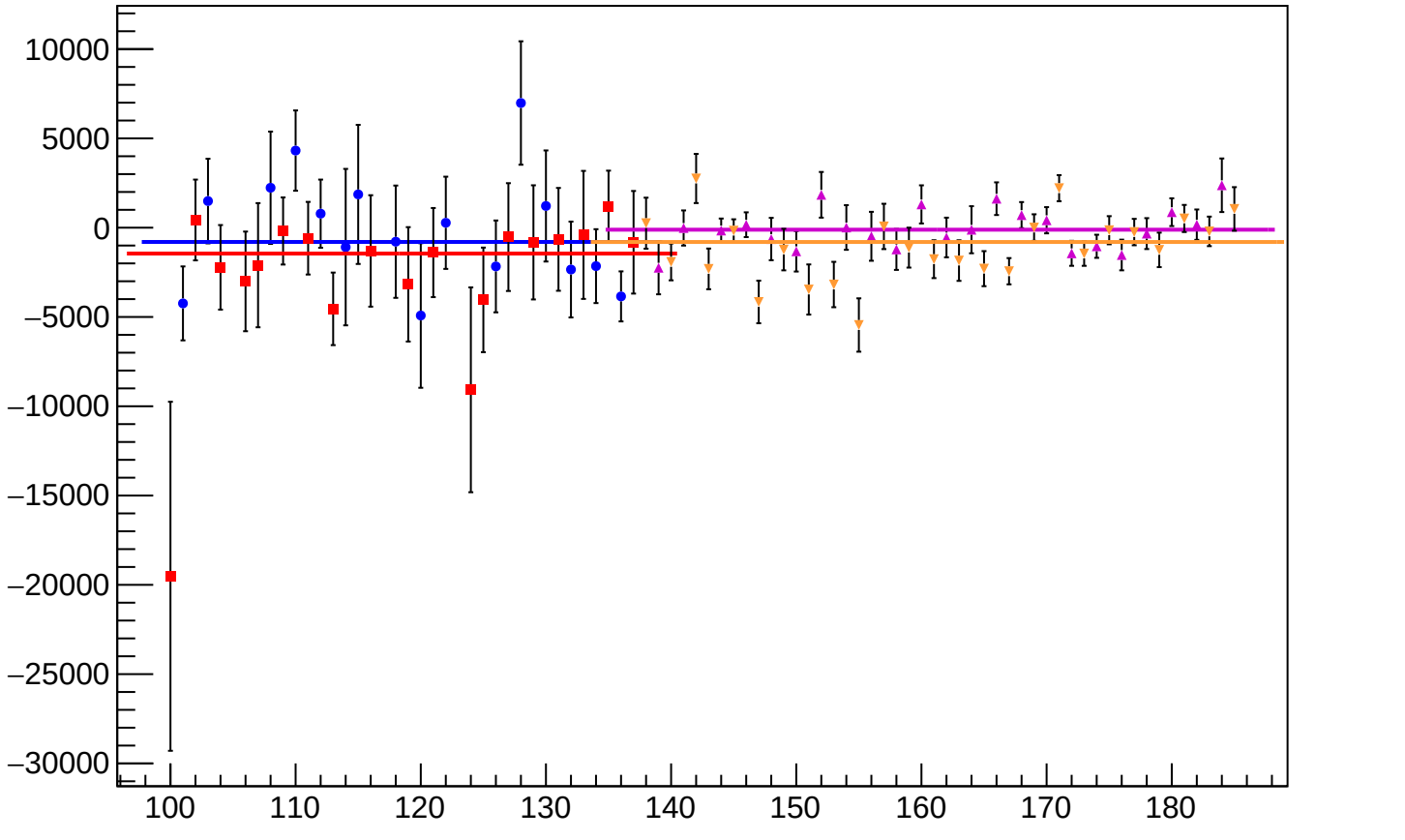
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.550+/-0.013 χ^2/NDF: 2761842.2/40

All: 93.093+/-0.009 χ^2/NDF: 5511805.5/82

- 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: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

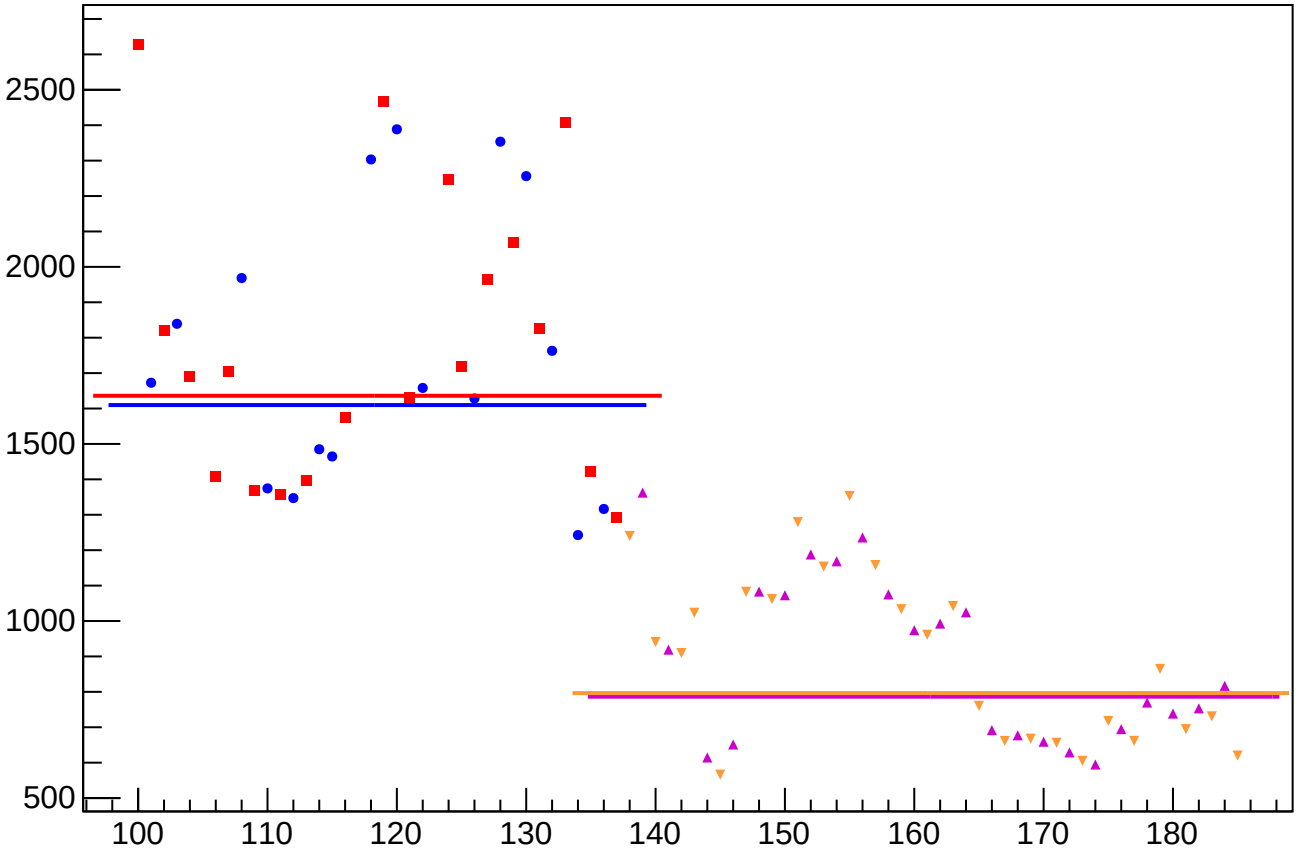
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.296+/-179.598 χ^2/NDF: 95.3/40

All: -518.751+/-127.751 χ^2/NDF: 144.2/82

- 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: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

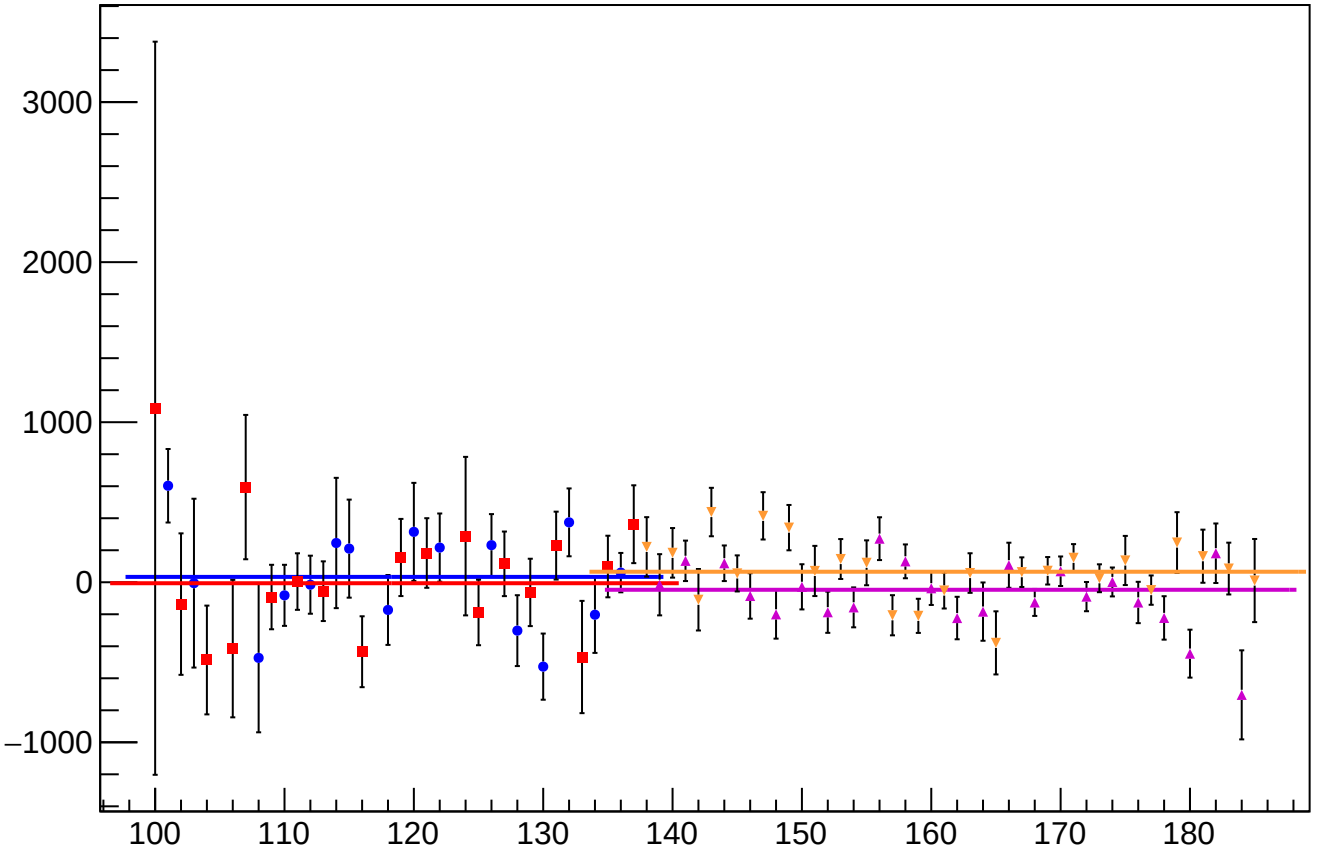
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 865.652+/-0.127 χ^2/NDF: 6226631.7/40

All: 863.198+/-0.090 χ^2/NDF: 12401906.4/82

- 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: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

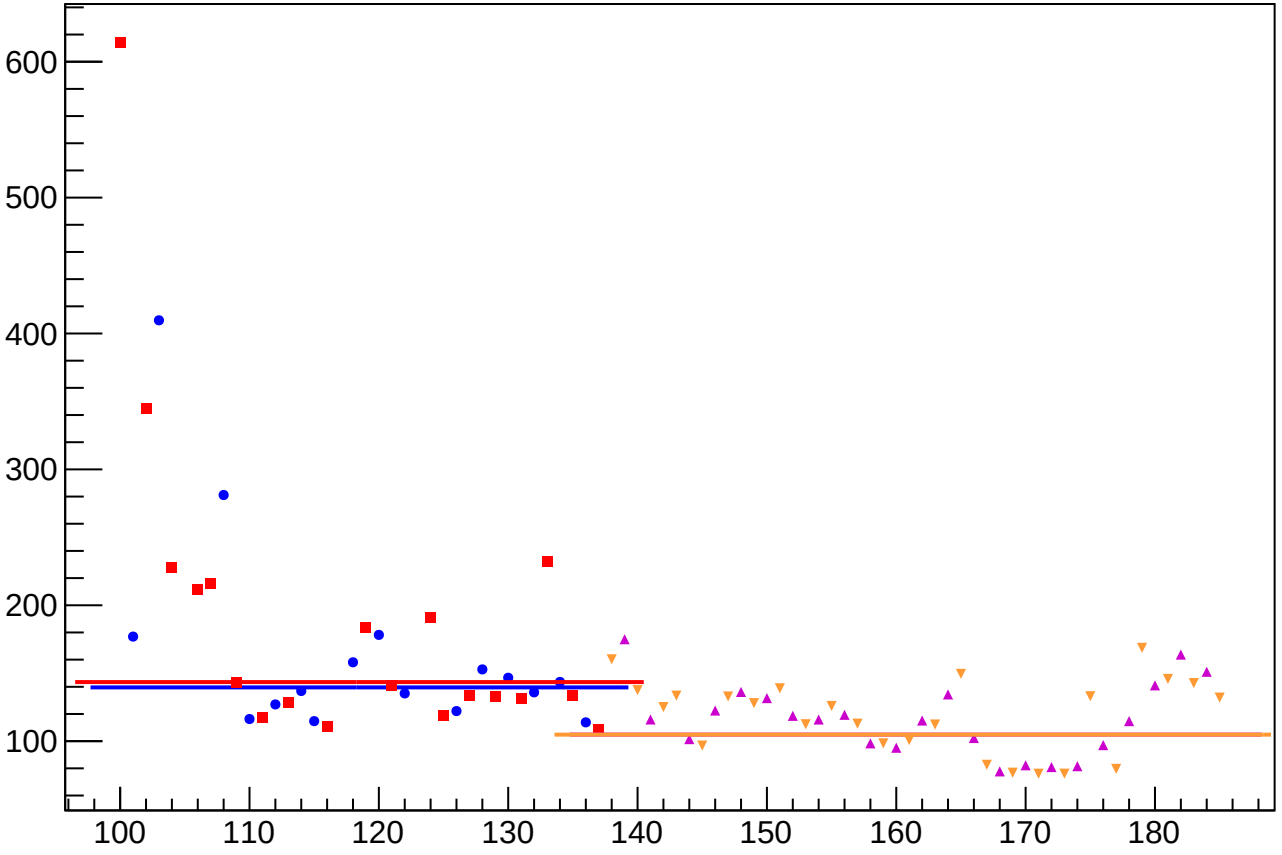
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 60.146+/-22.797 χ^2/NDF: 65.5/40

All: 11.327+/-16.316 χ^2/NDF: 131.3/82

- 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: 104.810+/-0.018 χ^2/NDF:2242795.3/24

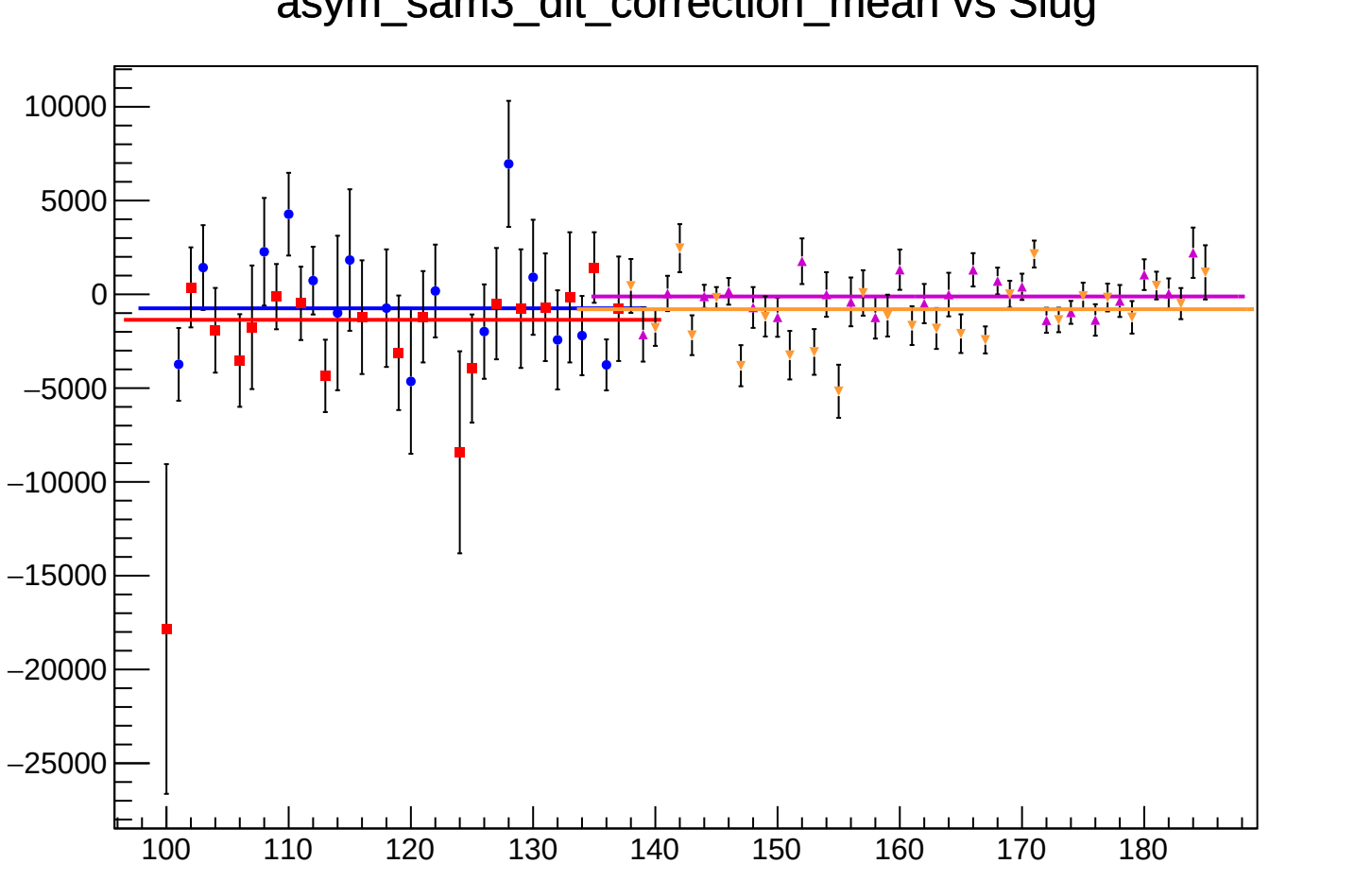
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 110.801+/-0.016 χ^2/NDF: 3882757.5/40

All: 111.161+/-0.012 χ^2/NDF: 7399612.2/82

- 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: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

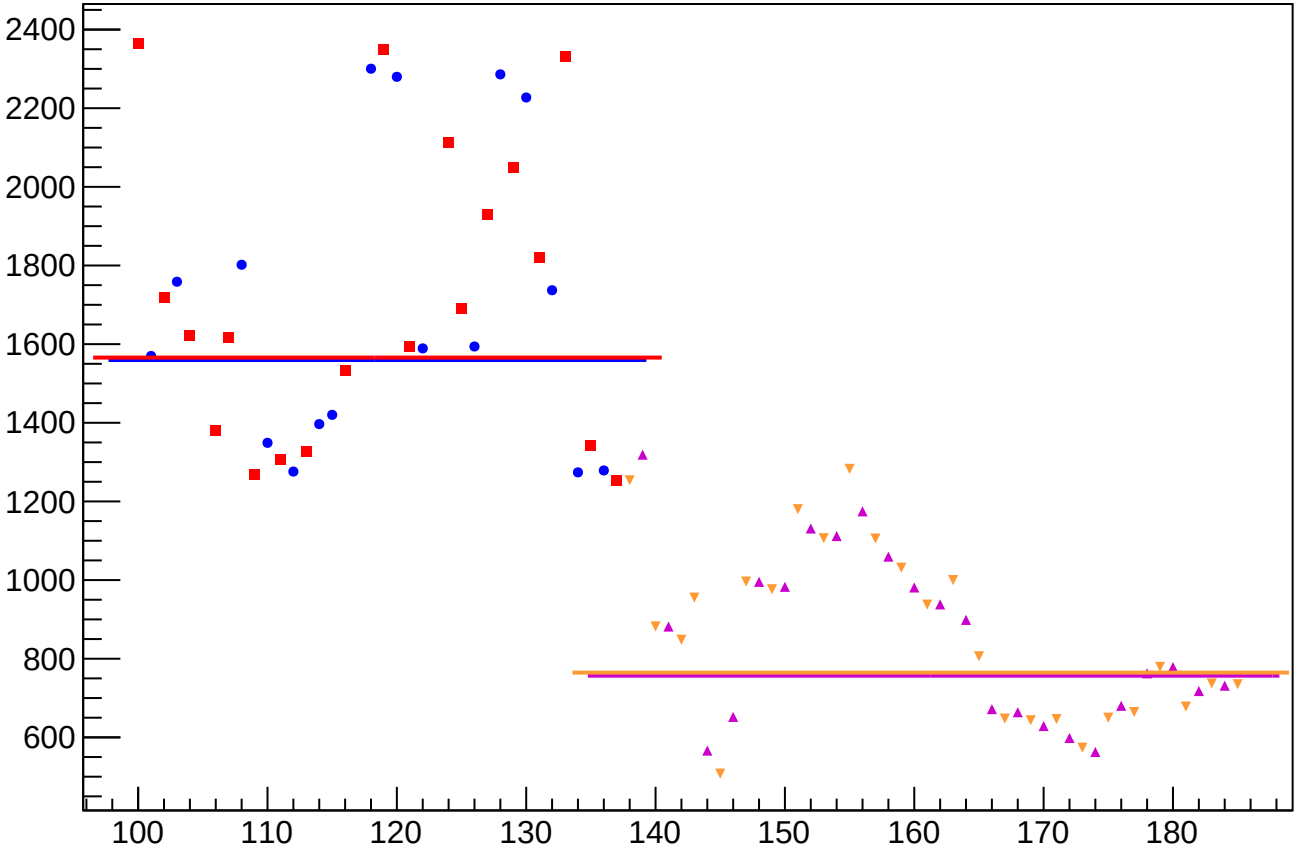
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -789.028+/-172.218 χ^2/NDF: 93.5/40

All: -510.910+/-122.674 χ^2/NDF: 142.7/82

- 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: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

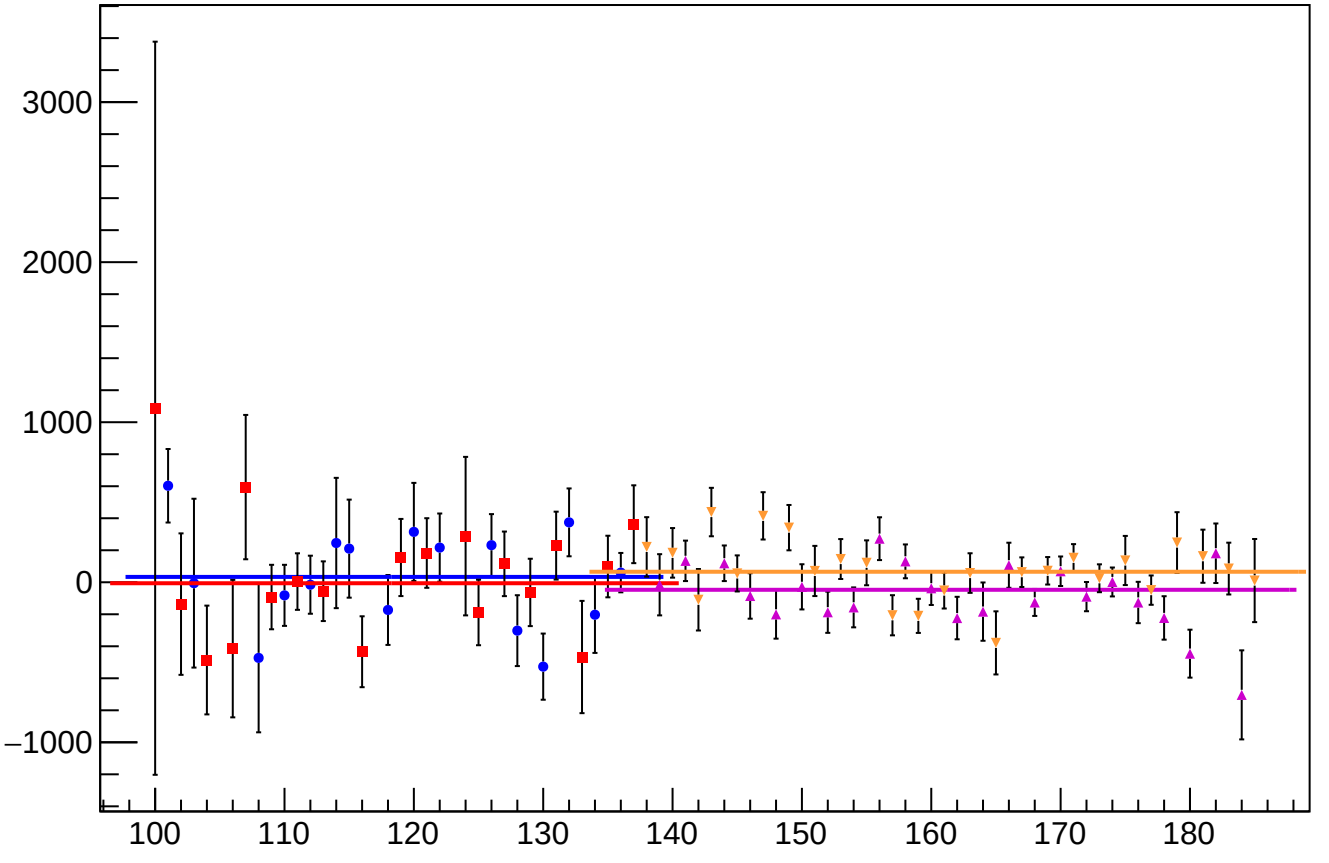
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 831.155+/-0.122 χ^2/NDF: 6293086.4/40

All: 830.061+/-0.087 χ^2/NDF: 12446116.5/82

- 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: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

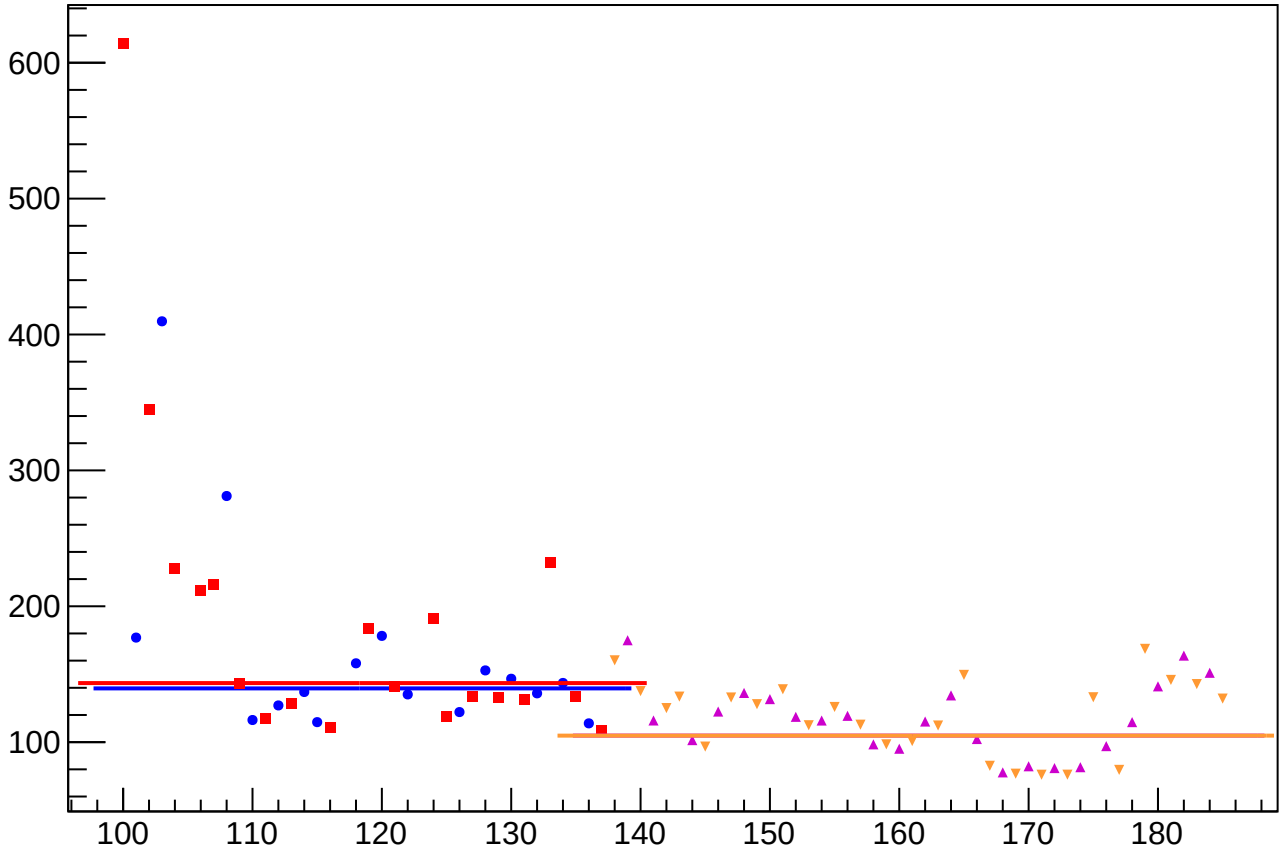
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 60.146+/-22.797 χ^2/NDF: 65.5/40

All: 11.328+/-16.316 χ^2/NDF: 131.3/82

- 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: 104.810+/-0.018 χ^2/NDF:2242815.0/24

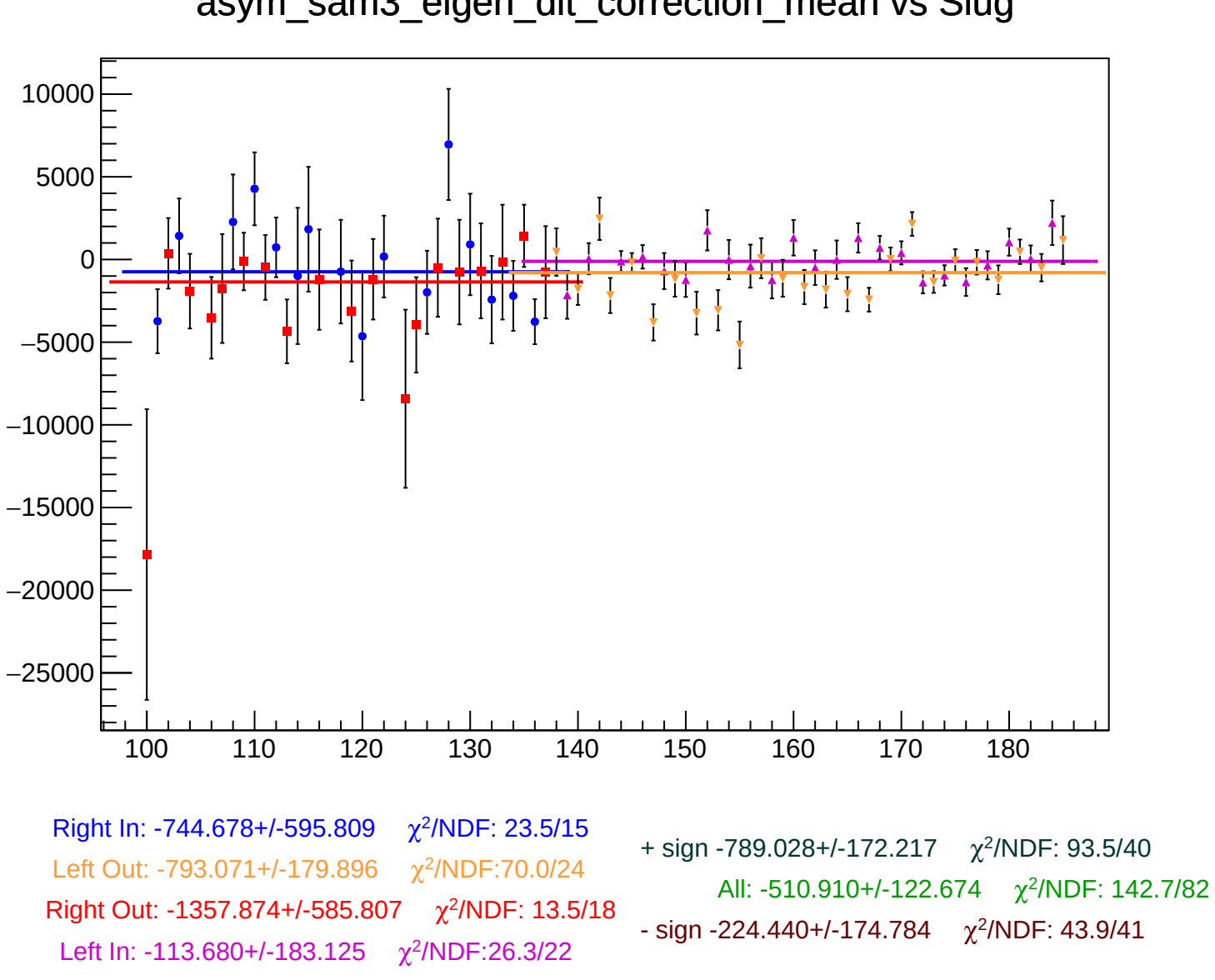
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

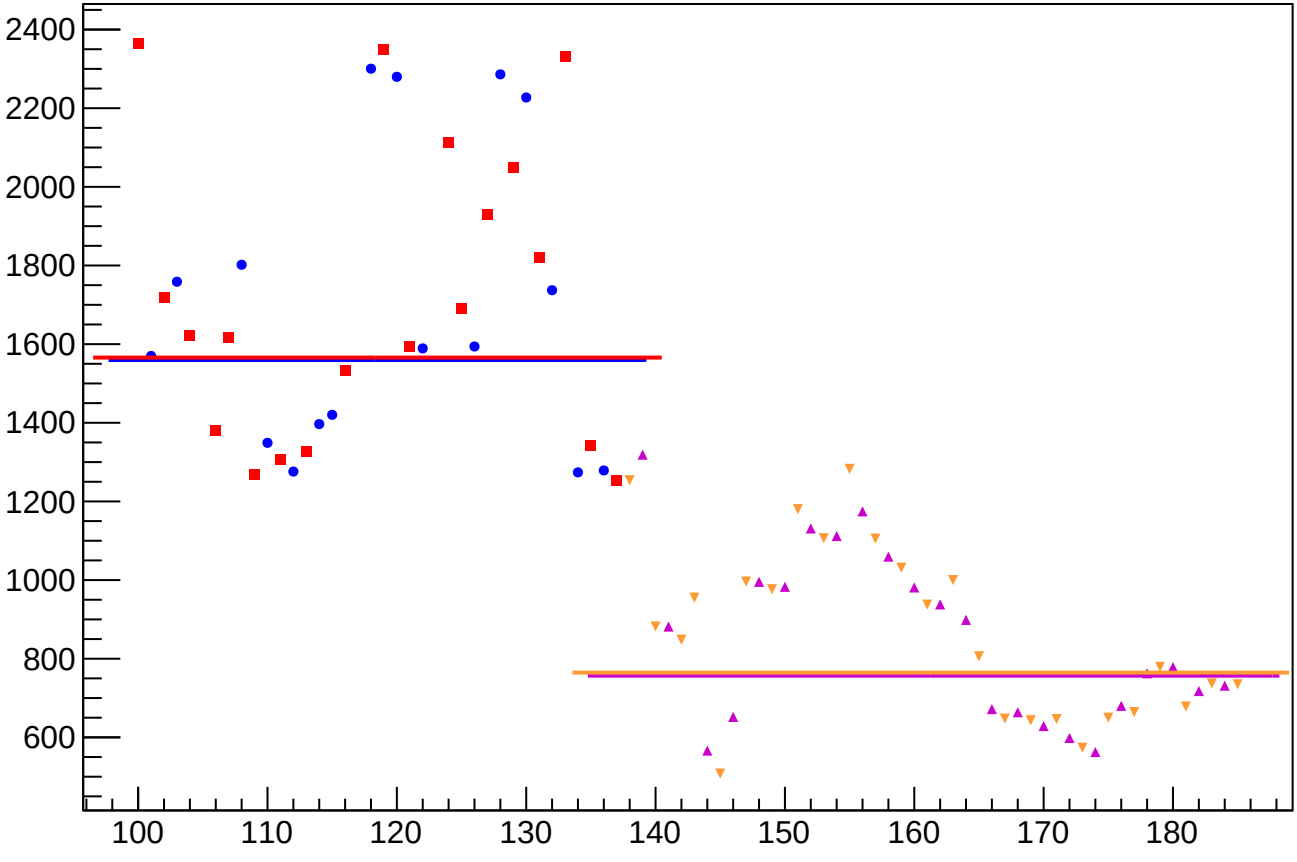
+ sign 110.802+/-0.016 χ^2/NDF: 3882774.8/40

All: 111.161+/-0.012 χ^2/NDF: 7399645.8/82

- sign 111.539+/-0.017 χ^2/NDF: 3515852.0/41


asym_sam3_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: -744.678+/-595.809 χ²/NDF: 23.5/15
Left Out: -793.071+/-179.896 χ²/NDF:70.0/24
Right Out: -1357.874+/-585.807 χ²/NDF: 13.5/18
Left In: -113.680+/-183.125 χ²/NDF:26.3/22
+ sign -789.028+/-172.217 χ²/NDF: 93.5/40
All: -510.910+/-122.674 χ²/NDF: 142.7/82
- sign -224.440+/-174.784 χ²/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: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

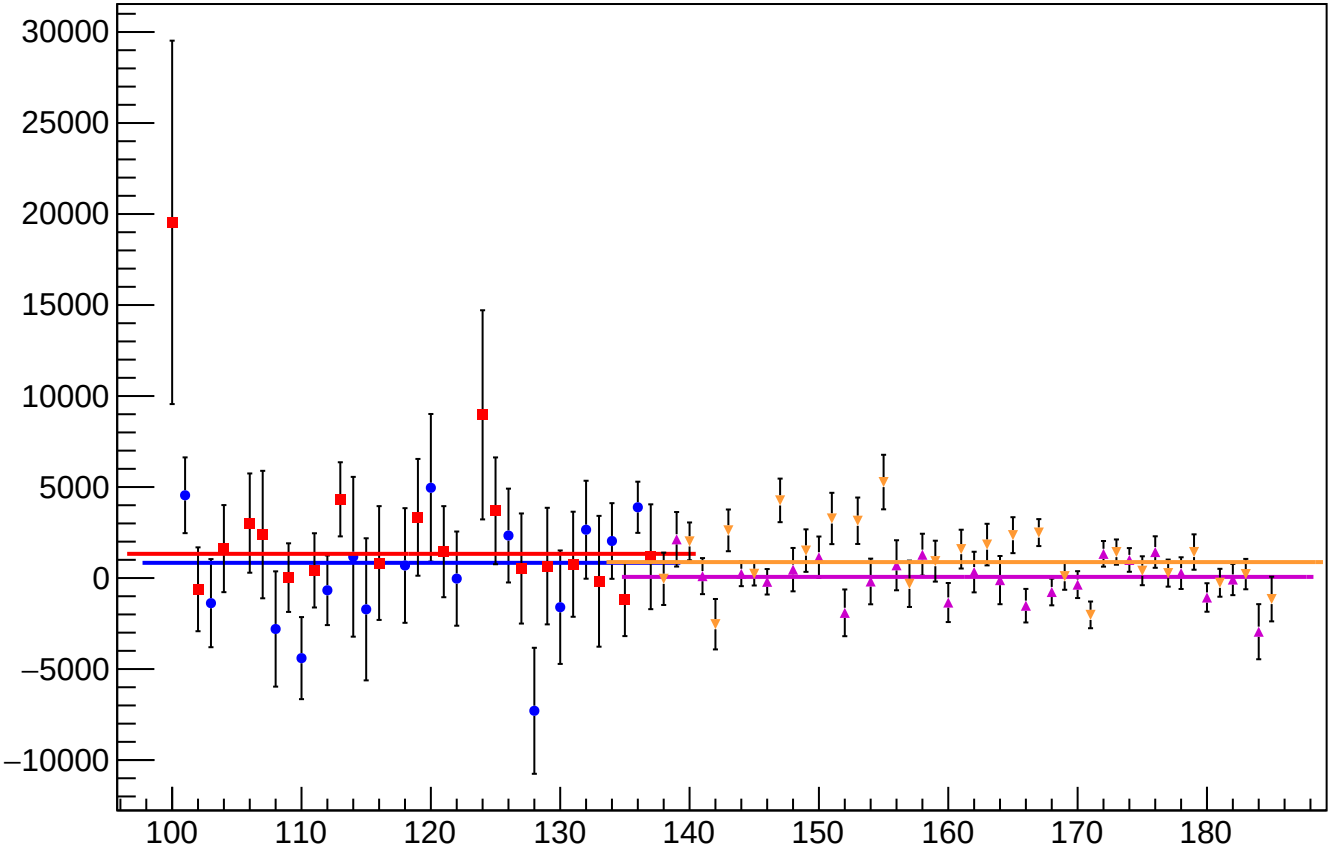
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 831.155+/-0.122 χ^2/NDF: 6293078.3/40

All: 830.061+/-0.087 χ^2/NDF: 12446097.7/82

- 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: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

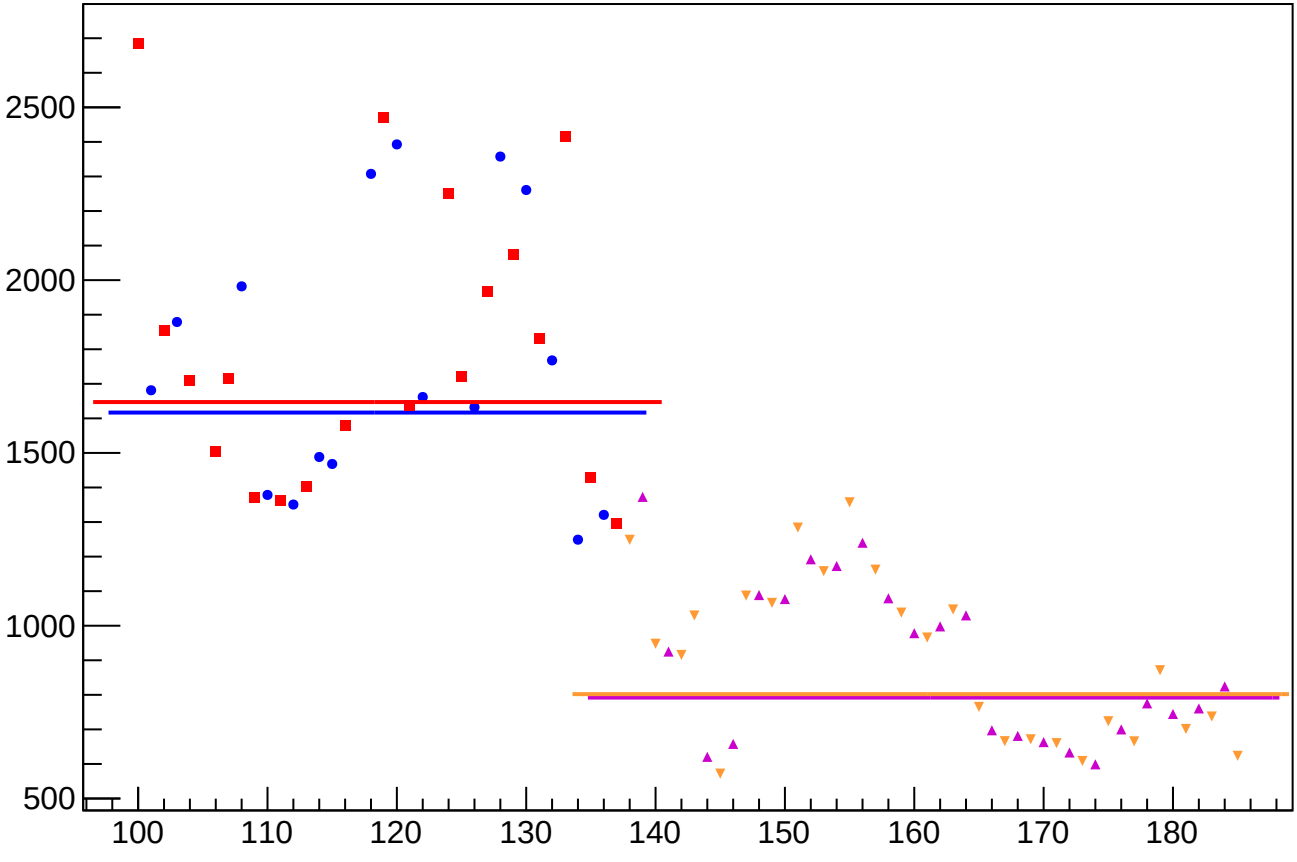
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 872.985+/-180.755 χ^2/NDF: 92.2/40

All: 527.909+/-128.586 χ^2/NDF: 142.6/82

- 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: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

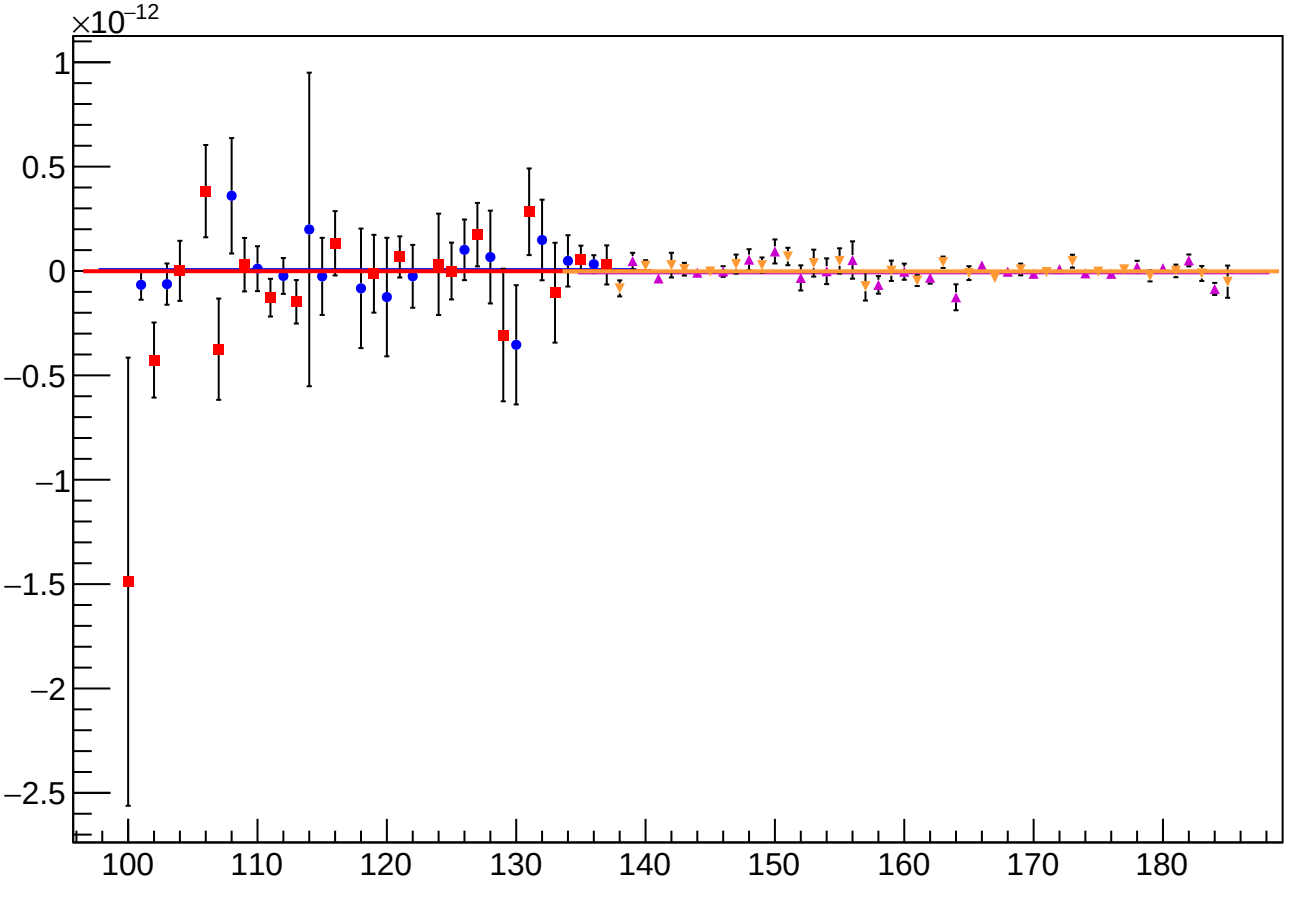
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 871.541+/-0.128 χ^2/NDF: 6190141.7/40

All: 869.494+/-0.091 χ^2/NDF: 12360170.2/82

- 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:24.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

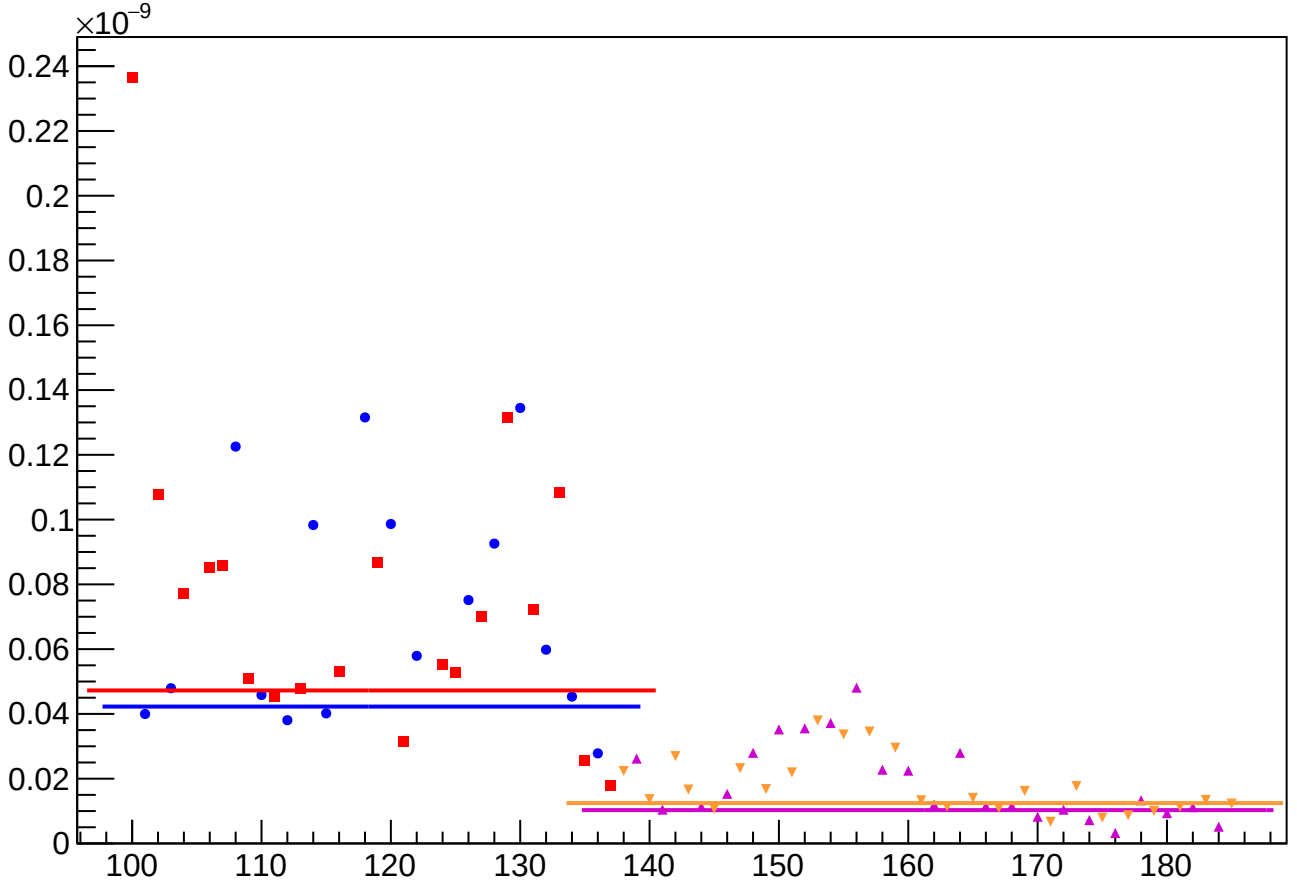
Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/40

All: -0.000+/-0.000 χ^2/NDF: 86.4/82

- sign -0.000+/-0.000 χ^2/NDF: 55.0/41

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

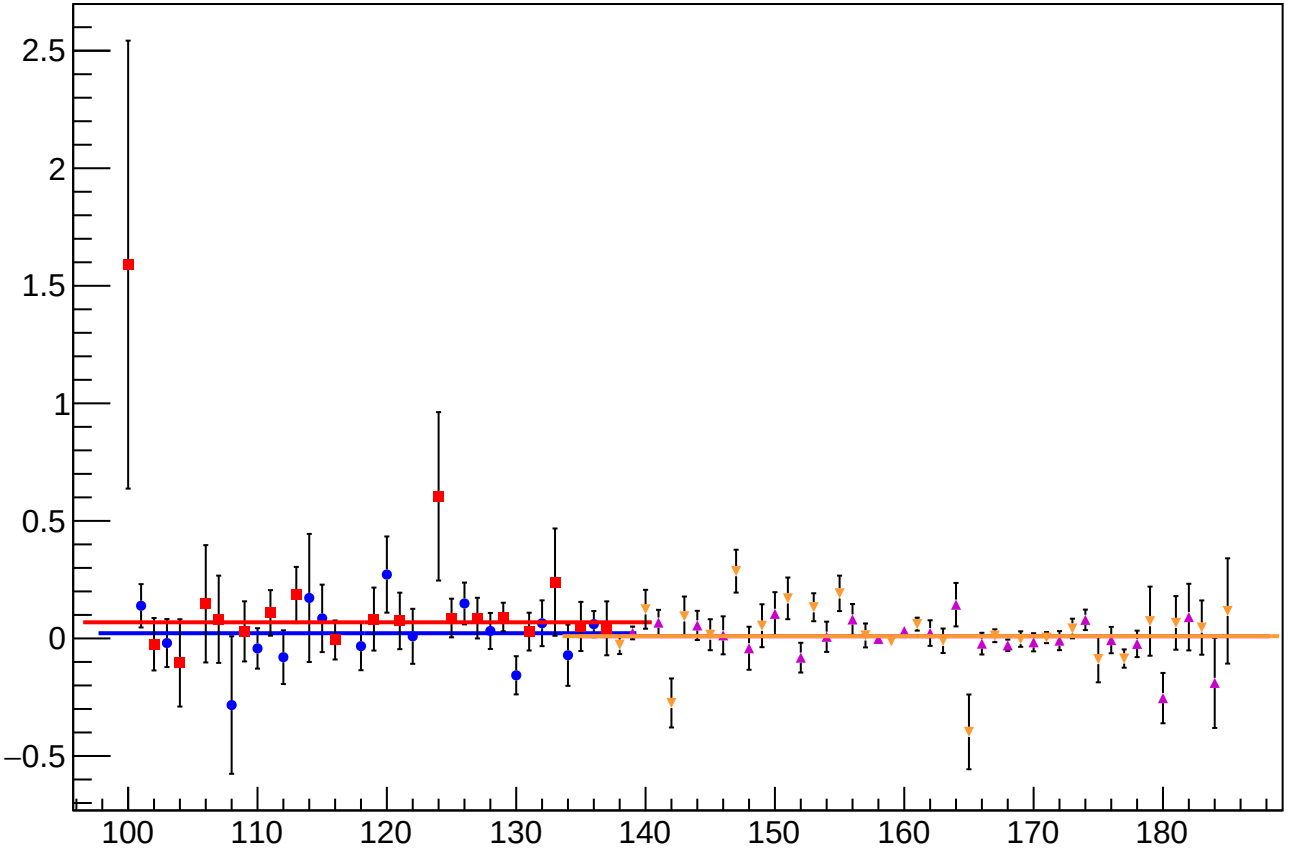
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5660589.7/40

All: 0.000+/-0.000 χ^2/NDF: 13850619.1/82

- 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: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

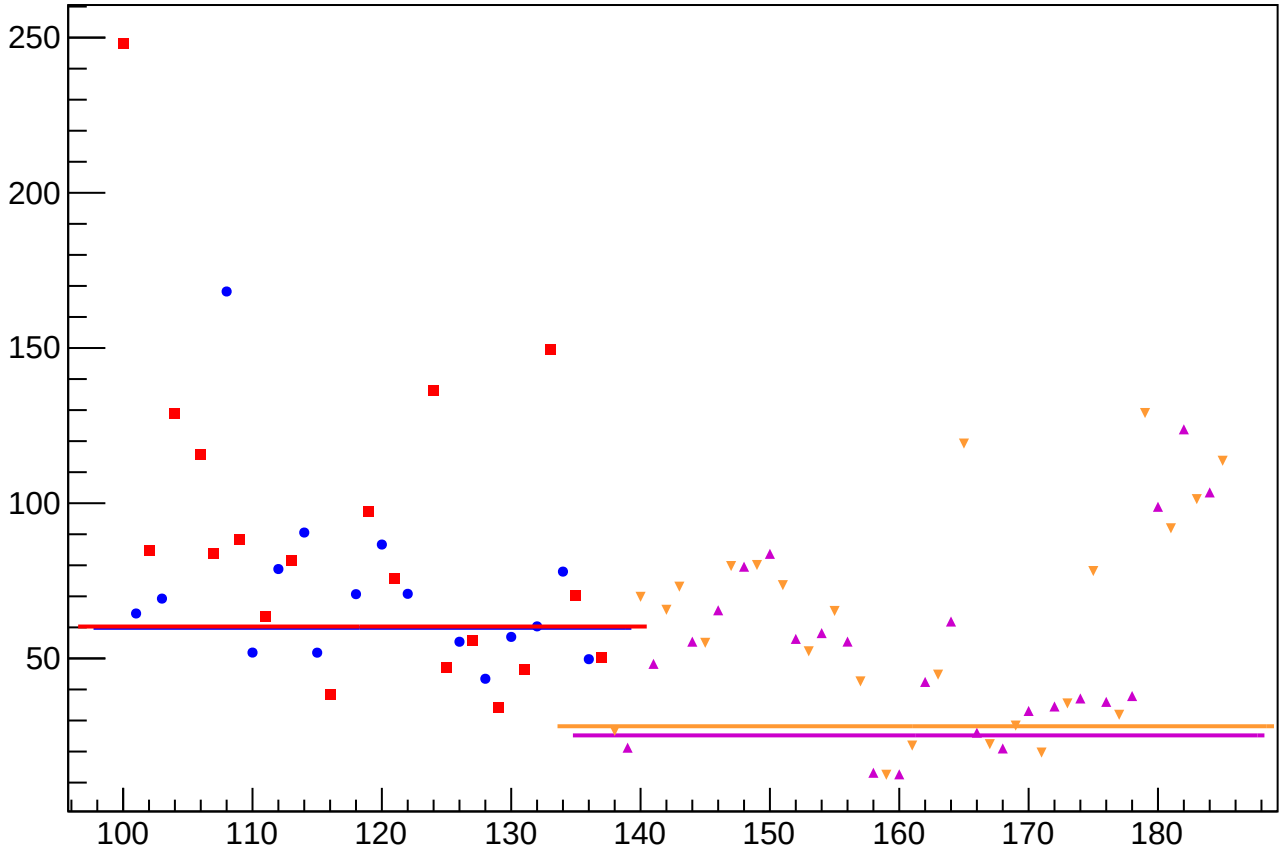
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.4/40

All: 0.013+/-0.005 χ^2/NDF: 110.3/82

- sign 0.015+/-0.008 χ^2/NDF: 39.8/41

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

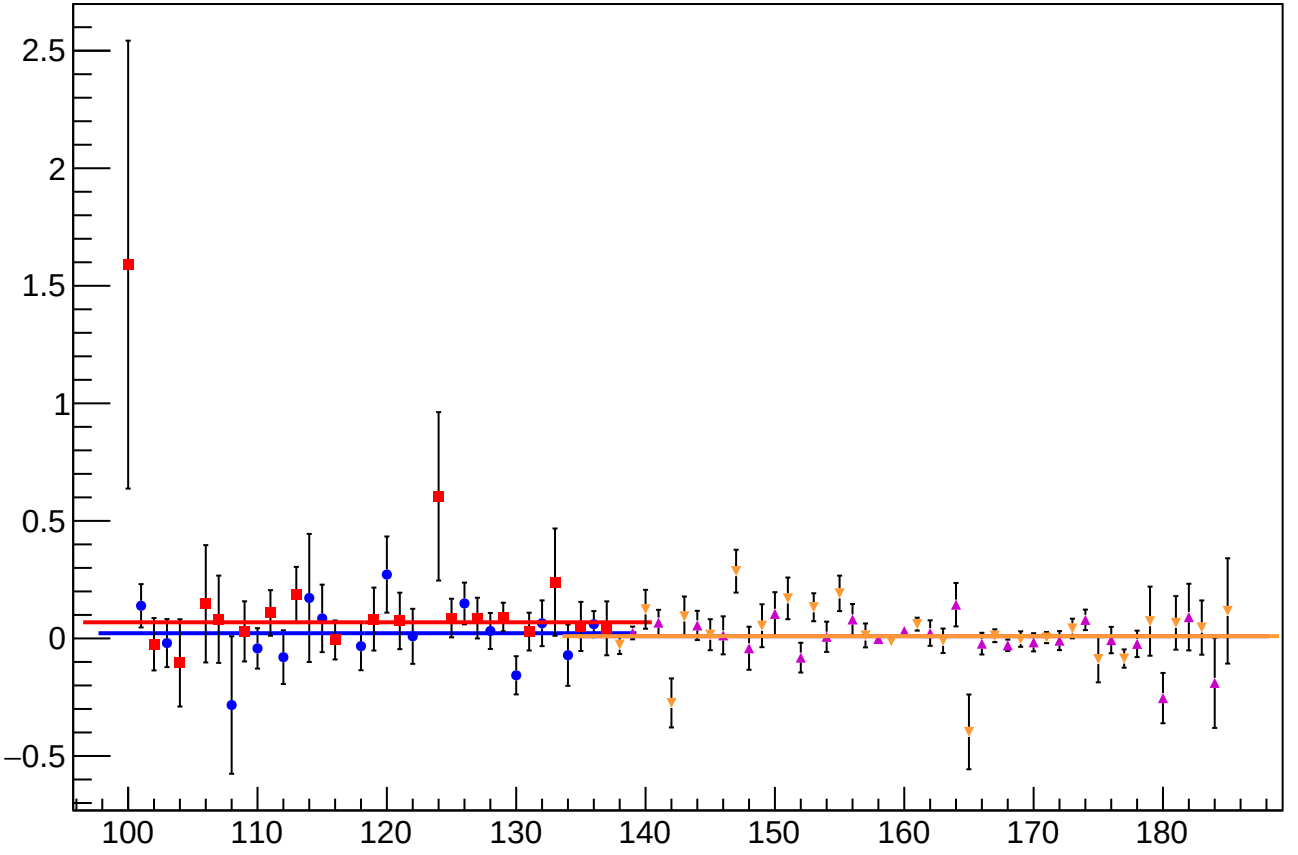
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.486+/-0.006 χ^2/NDF: 14726755.1/40

All: 29.826+/-0.004 χ^2/NDF: 30336635.4/82

- 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: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

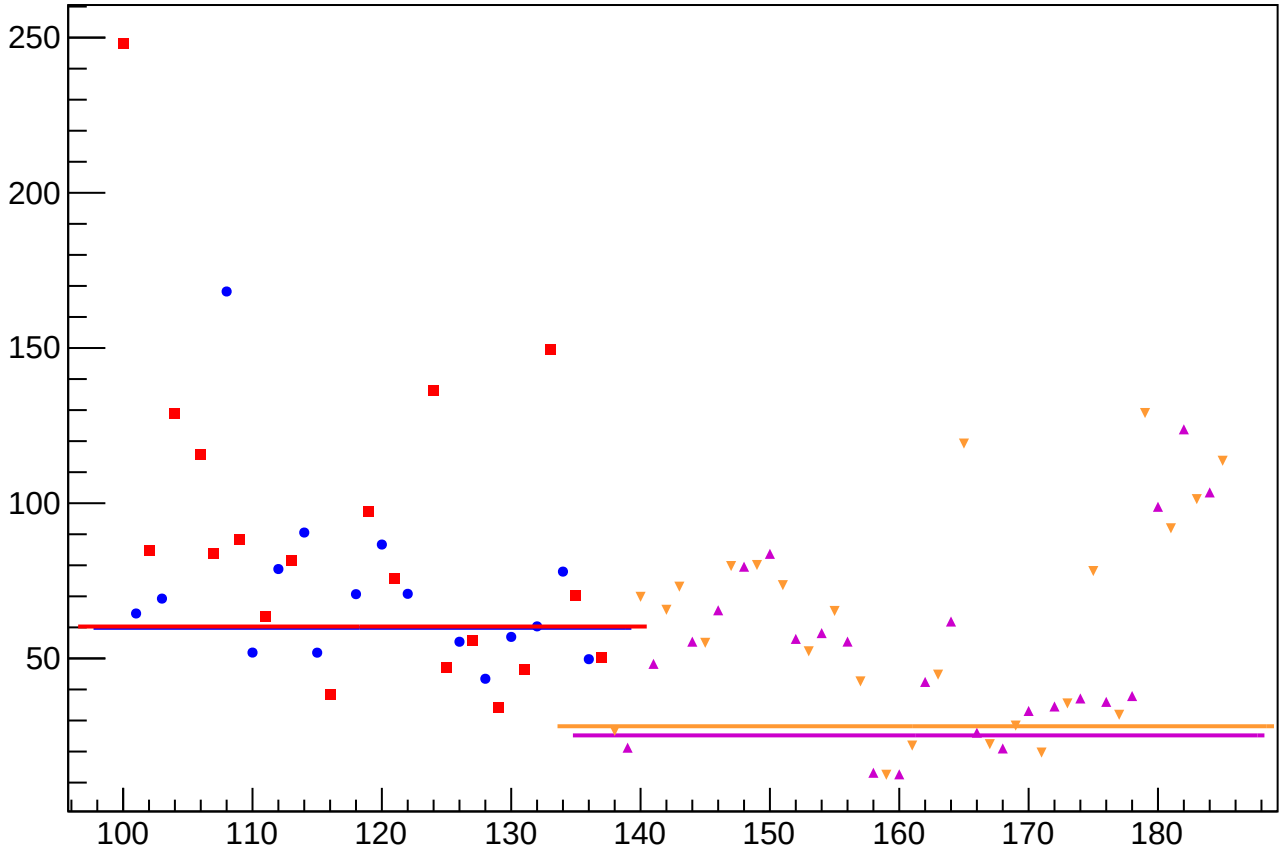
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.4/40

All: 0.013+/-0.005 χ^2/NDF: 110.3/82

- 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: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

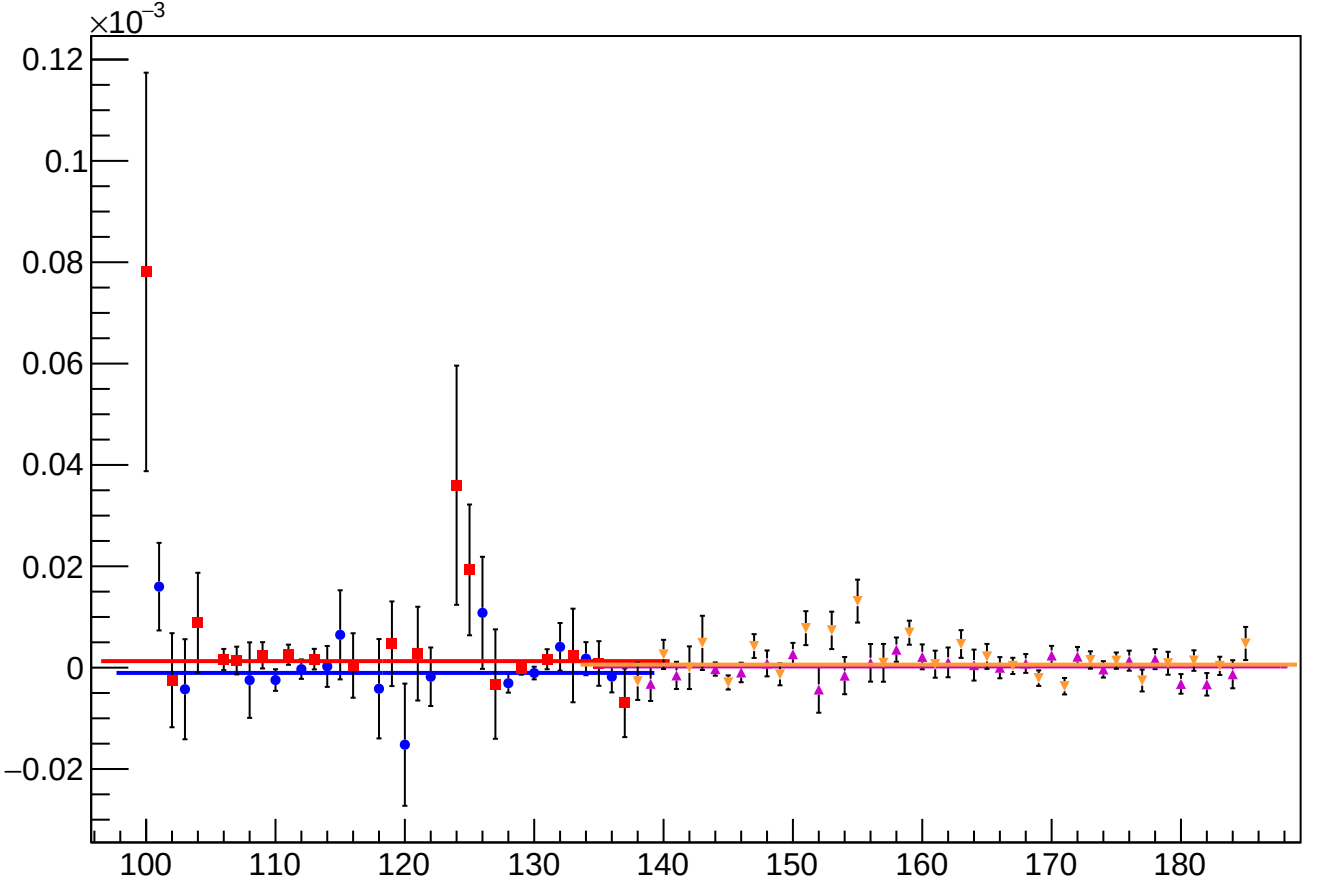
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.486+/-0.006 χ^2/NDF: 14726755.1/40

All: 29.826+/-0.004 χ^2/NDF: 30336635.4/82

- 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:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

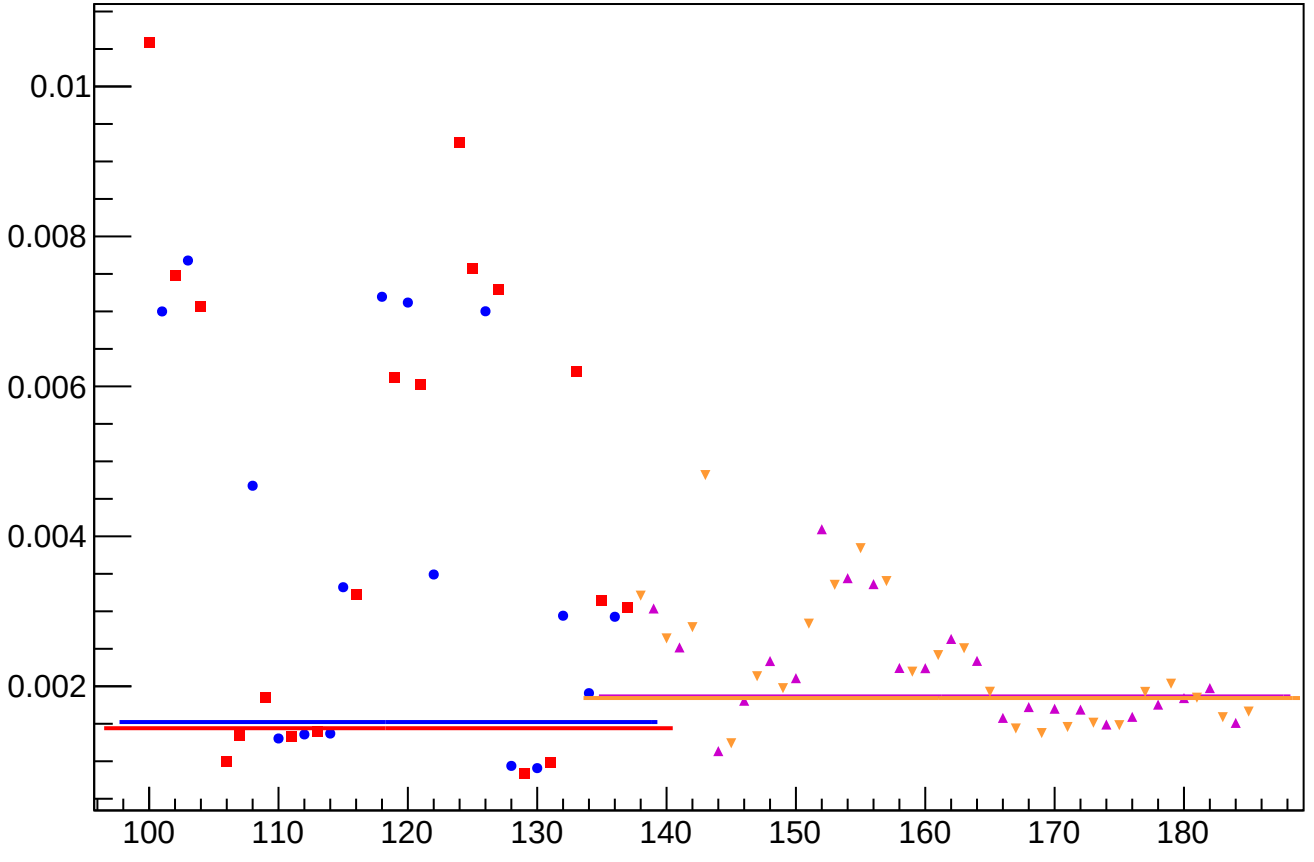
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/40

All: 0.000+/-0.000 χ^2/NDF: 98.3/82

- sign 0.000+/-0.000 χ^2/NDF: 30.5/41

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

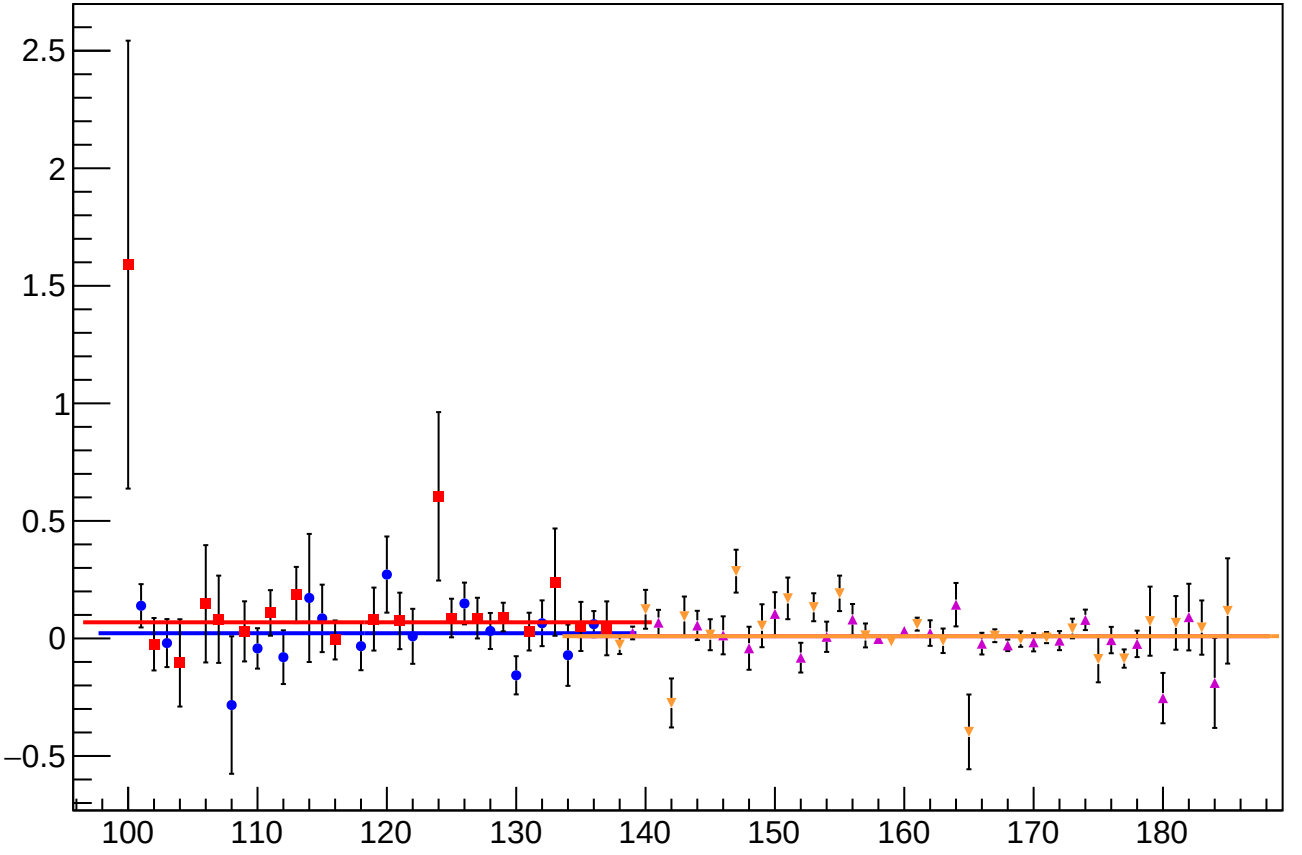
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 9242266.1/40

All: 0.002+/-0.000 χ^2/NDF: 18344011.4/82

- sign 0.002+/-0.000 χ^2/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: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

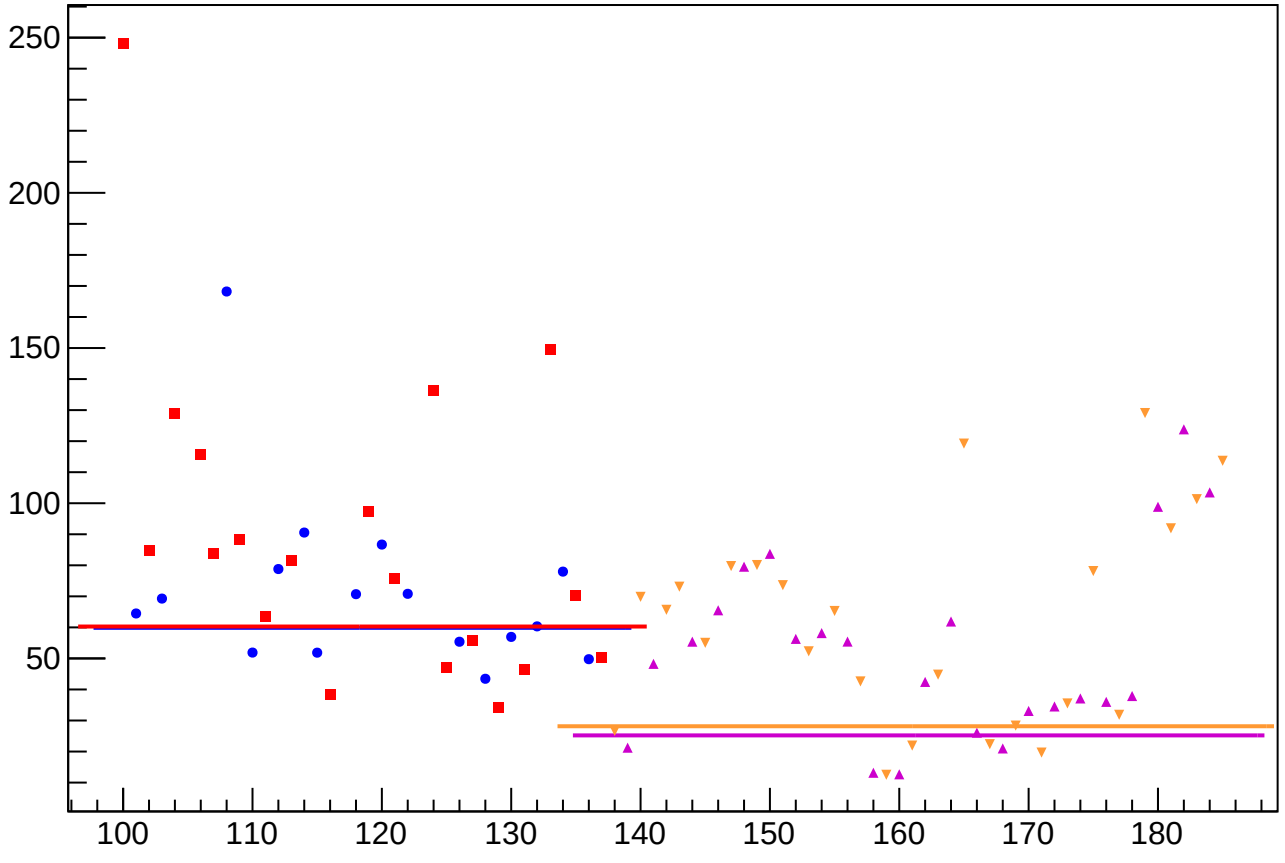
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.4/40

All: 0.013+/-0.005 χ^2/NDF: 110.3/82

- 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: 28.150+/-0.006 χ^2/NDF:11071818.3/24

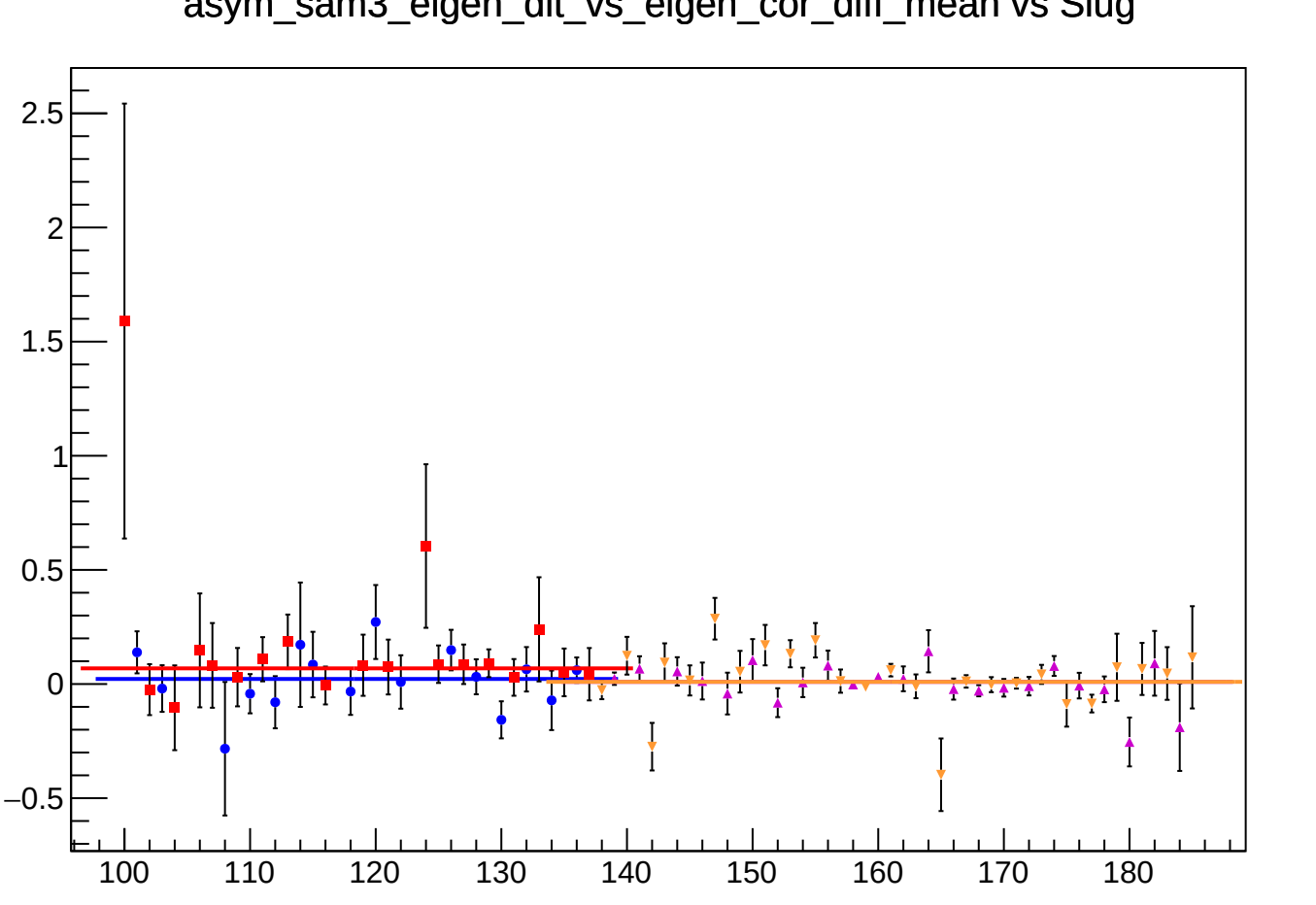
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.485+/-0.006 χ^2/NDF: 14728184.5/40

All: 29.825+/-0.004 χ^2/NDF: 30338655.0/82

- 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: 0.010+/-0.008 χ^2/NDF:54.6/24

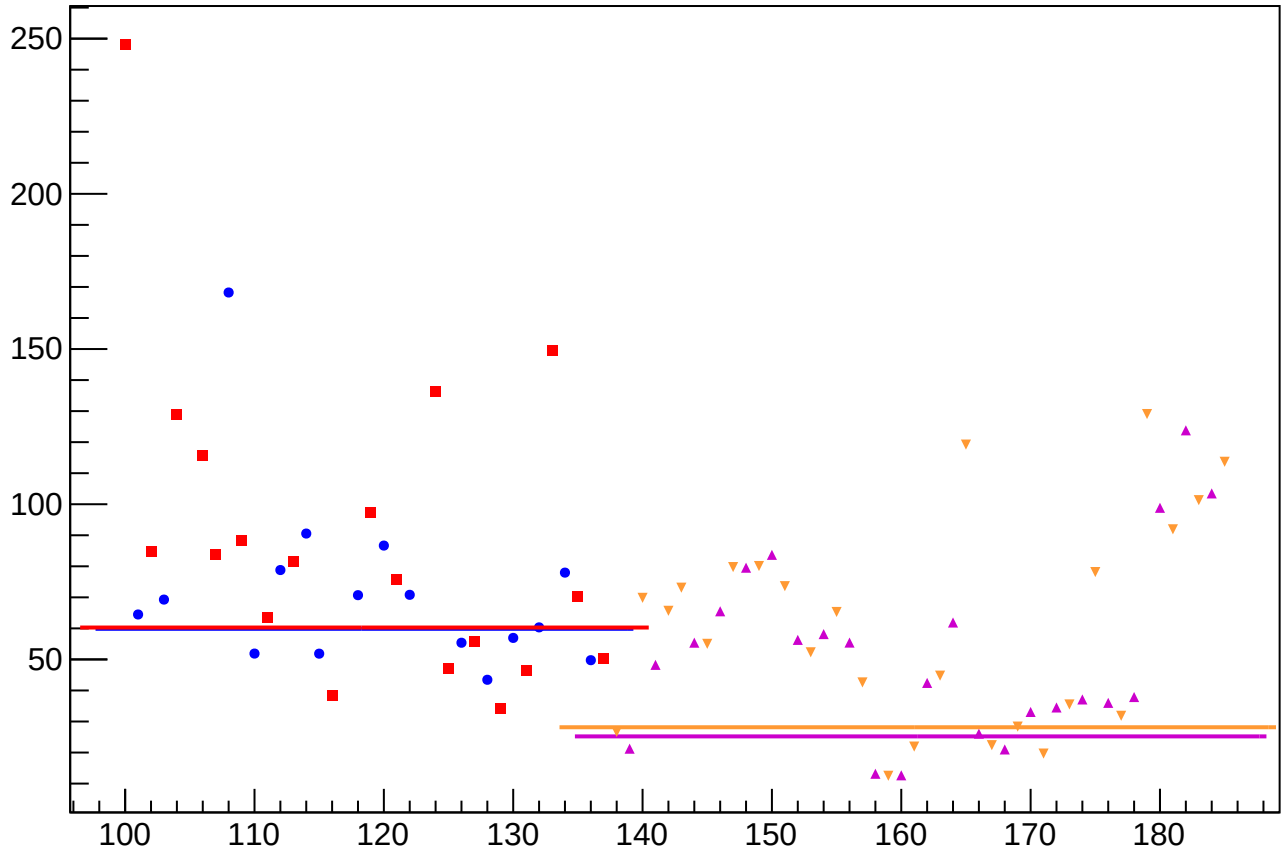
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 70.4/40

All: 0.013+/-0.005 χ^2/NDF: 110.3/82

- 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: 28.150+/-0.006 χ^2/NDF:11071818.3/24

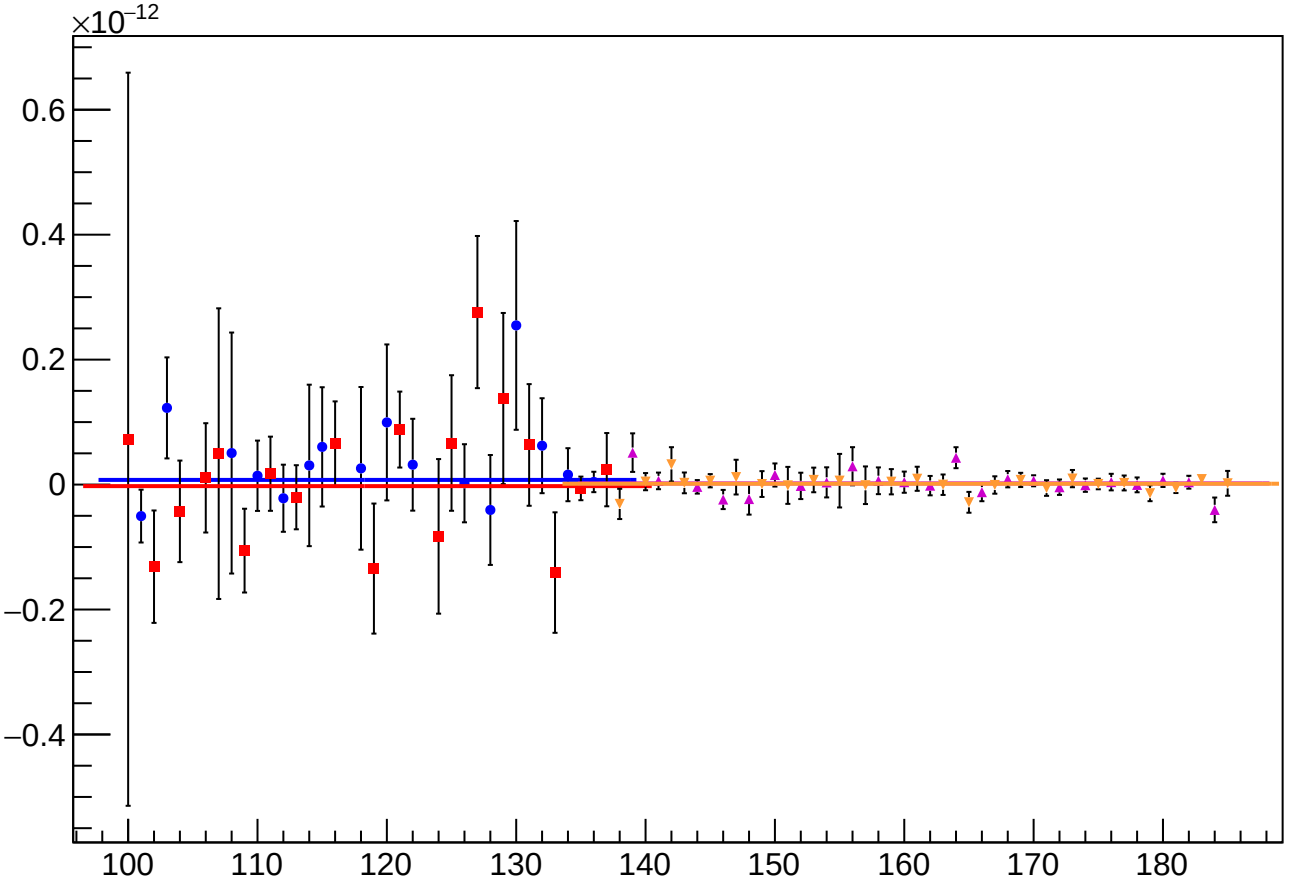
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.485+/-0.006 χ^2/NDF: 14728184.5/40

All: 29.825+/-0.004 χ^2/NDF: 30338655.0/82

- sign 28.343+/-0.005 χ^2/NDF: 15447627.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

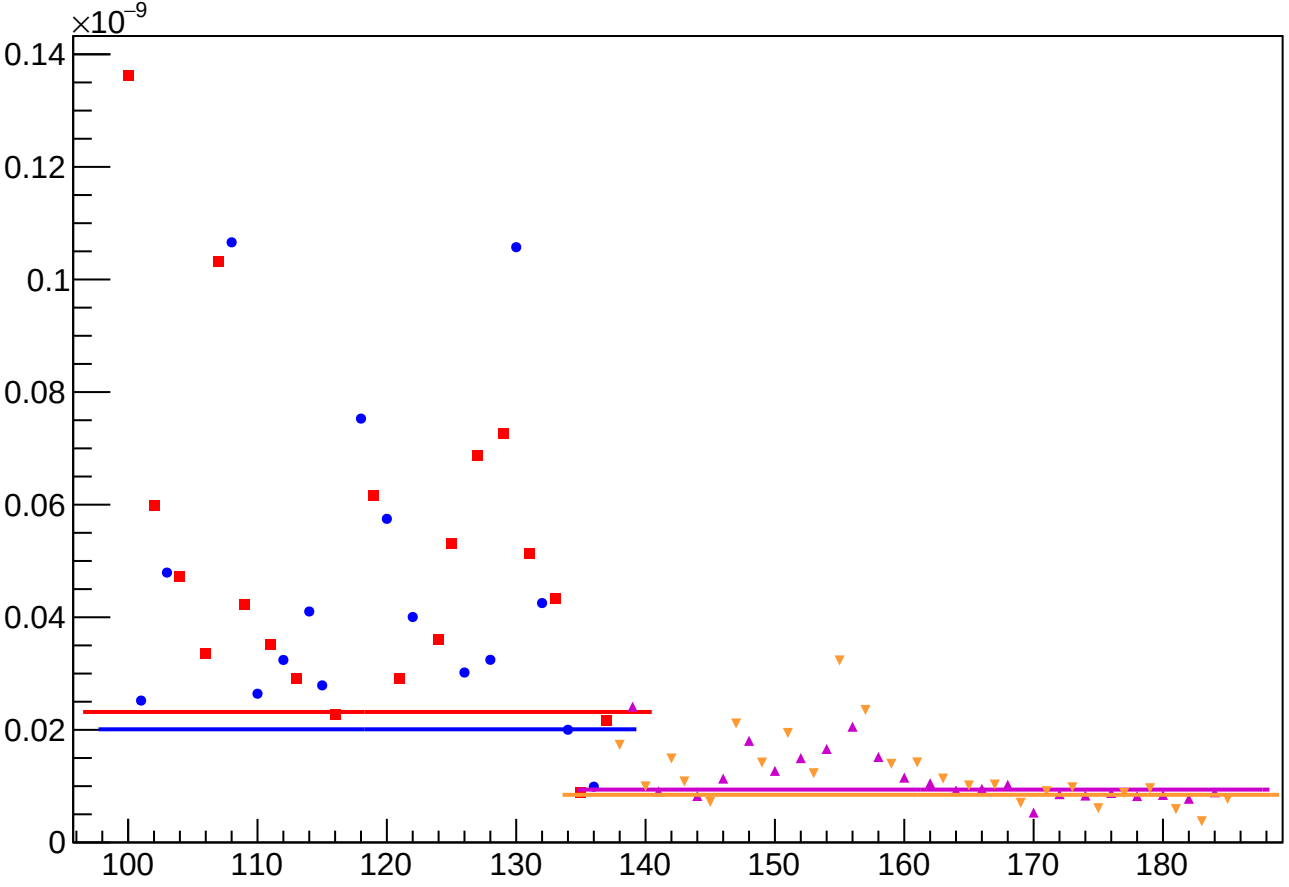
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19.9/40

All: 0.000+/-0.000 χ^2/NDF: 60.5/82

- 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:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

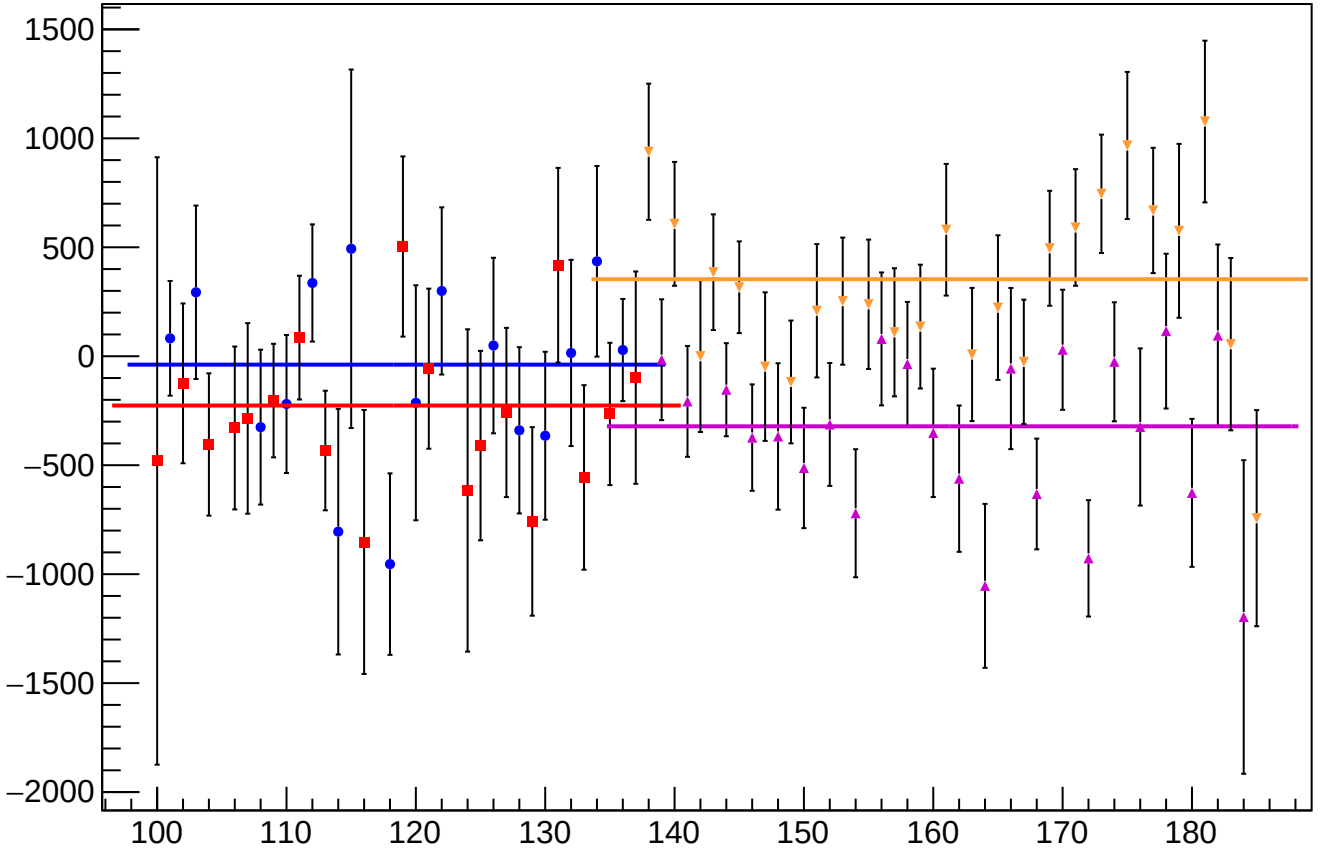
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9212657.3/40

All: 0.000+/-0.000 χ^2/NDF: 17001377.0/82

- 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: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

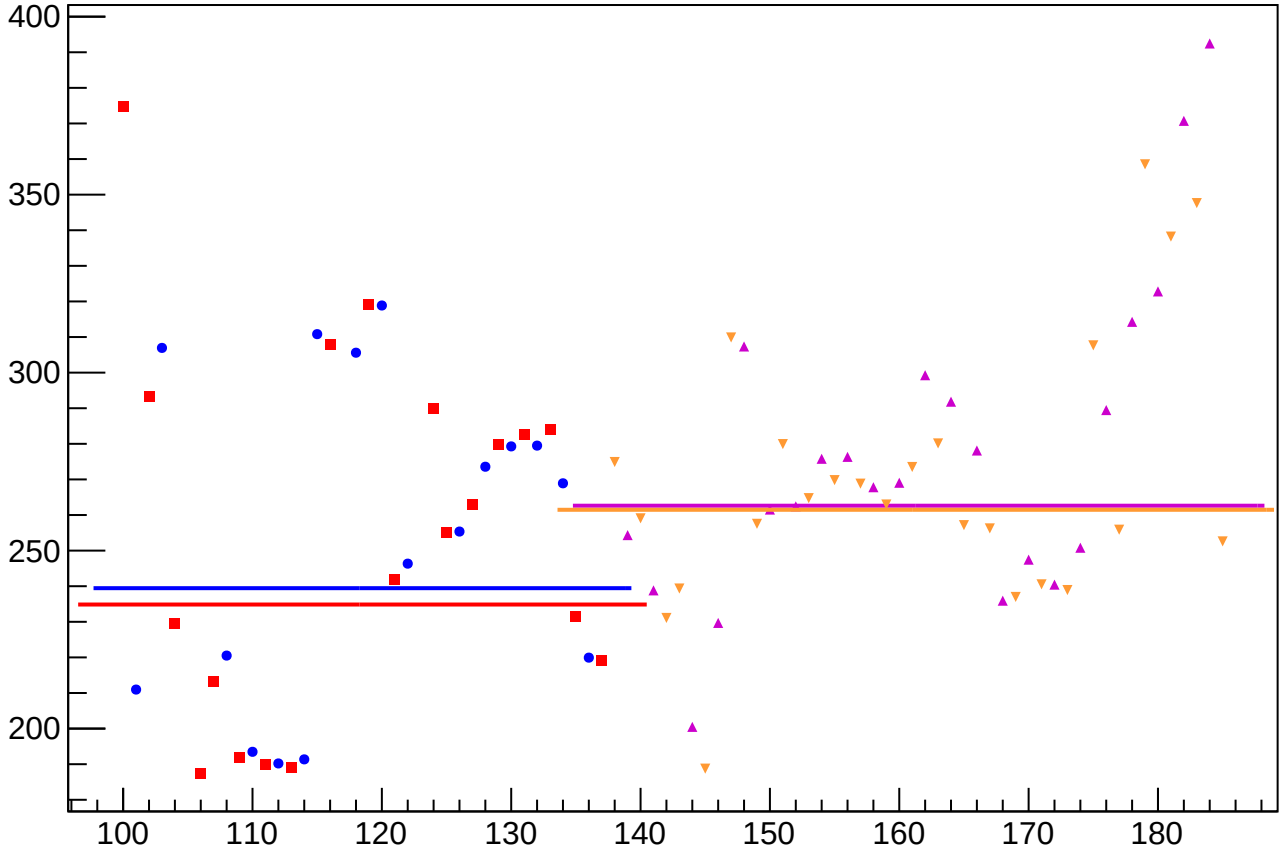
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 233.695+/-50.114 χ^2/NDF: 59.8/40

All: -24.846+/-35.651 χ^2/NDF: 152.1/82

- 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: 261.470+/-0.043 χ^2/NDF:715467.9/24

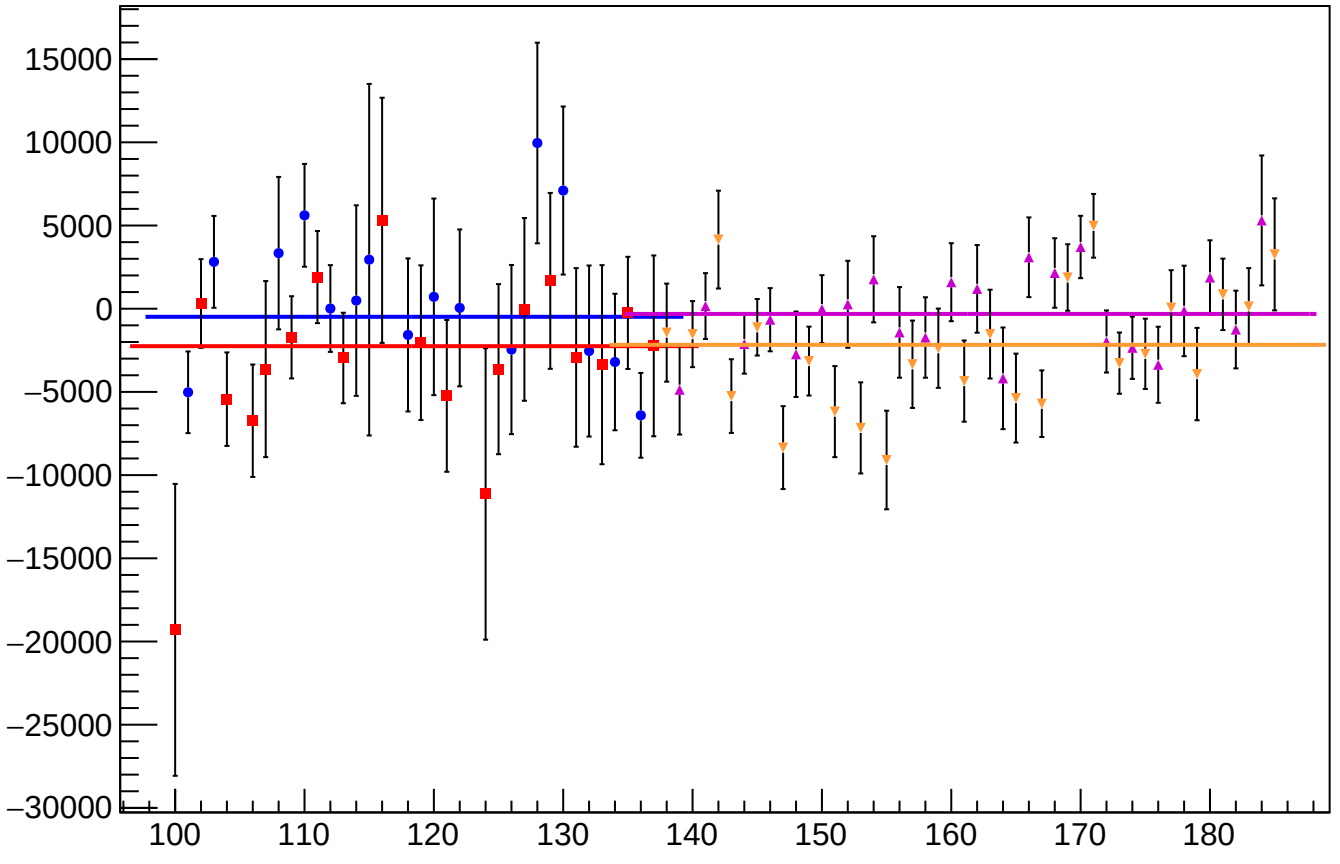
Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 254.735+/-0.035 χ^2/NDF: 1198406.2/40

All: 254.062+/-0.025 χ^2/NDF: 2484541.8/82

- sign 253.372+/-0.036 χ^2/NDF: 1285404.5/41



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

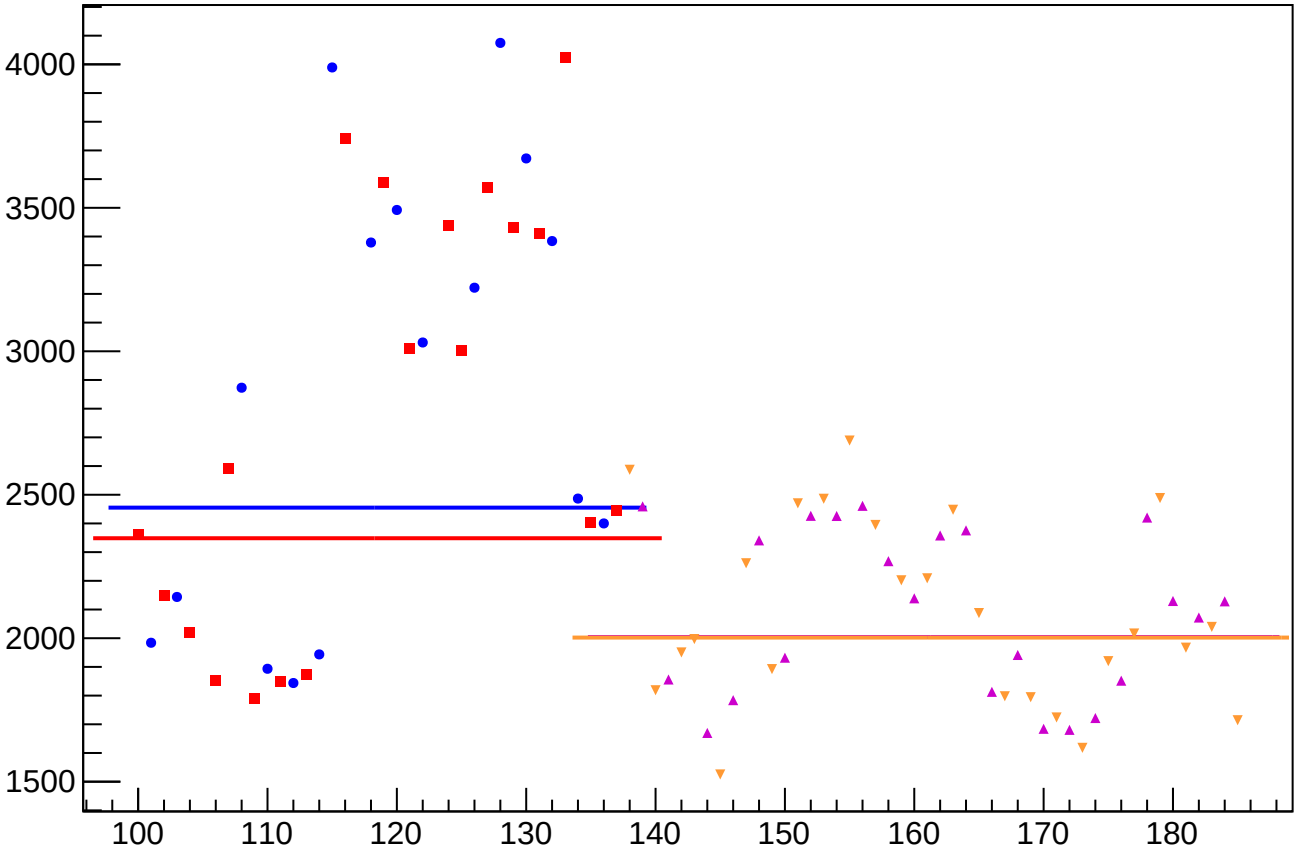
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1848.379+/-415.006 χ^2/NDF: 79.2/40

All: -1298.820+/-294.805 χ^2/NDF: 124.0/82

- 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: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

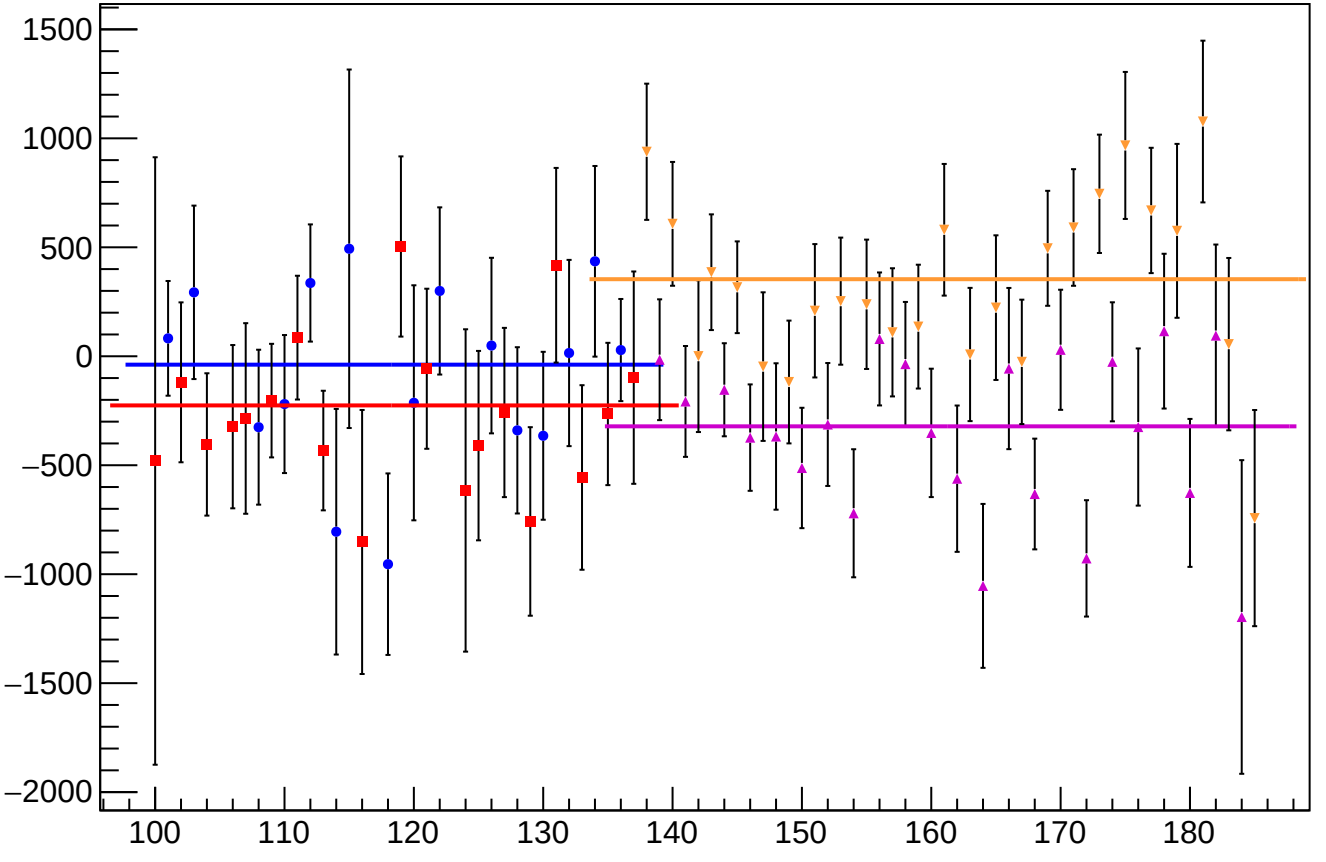
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2089.118+/-0.293 χ^2/NDF: 2156371.4/40

All: 2084.488+/-0.208 χ^2/NDF: 4145544.8/82

- 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: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

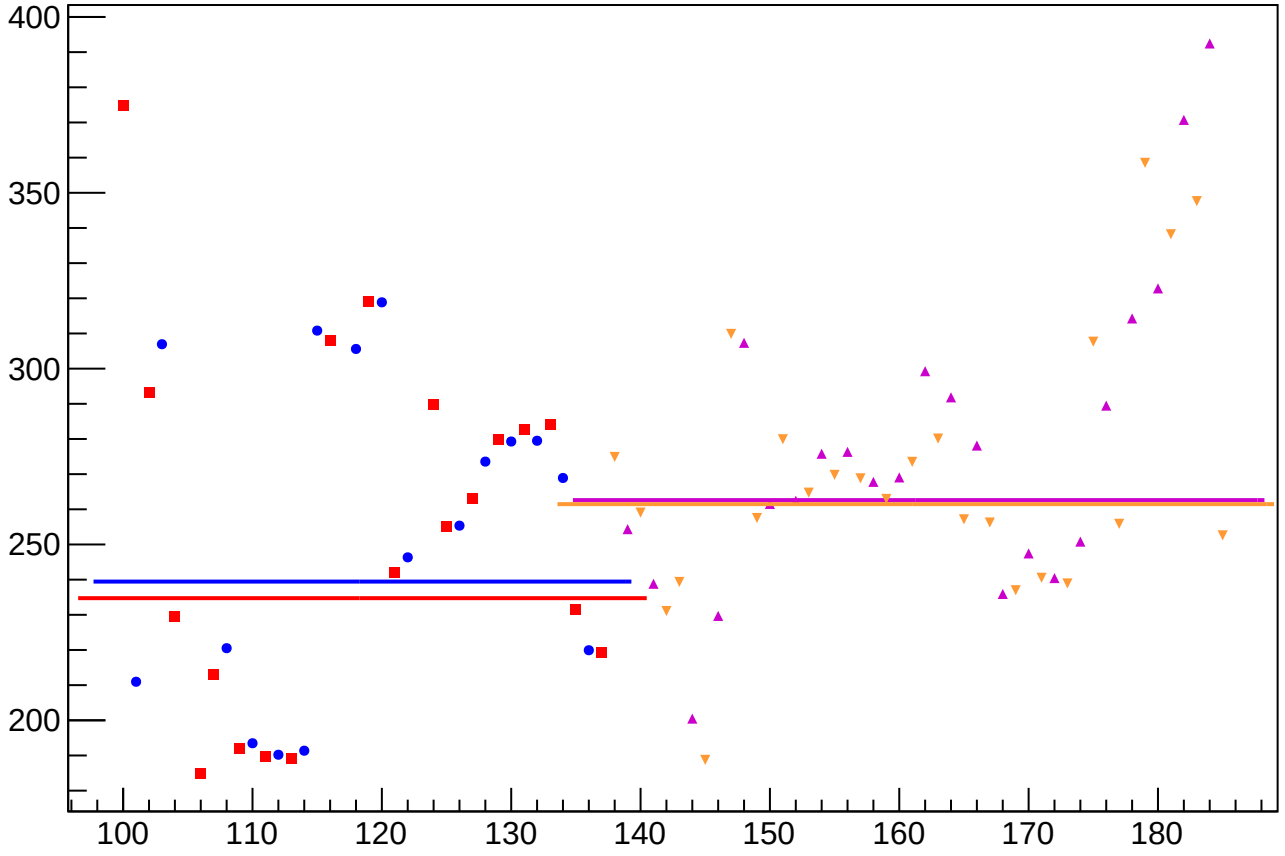
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 233.705+/-50.114 χ^2/NDF: 59.8/40

All: -24.725+/-35.652 χ^2/NDF: 152.1/82

- 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: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

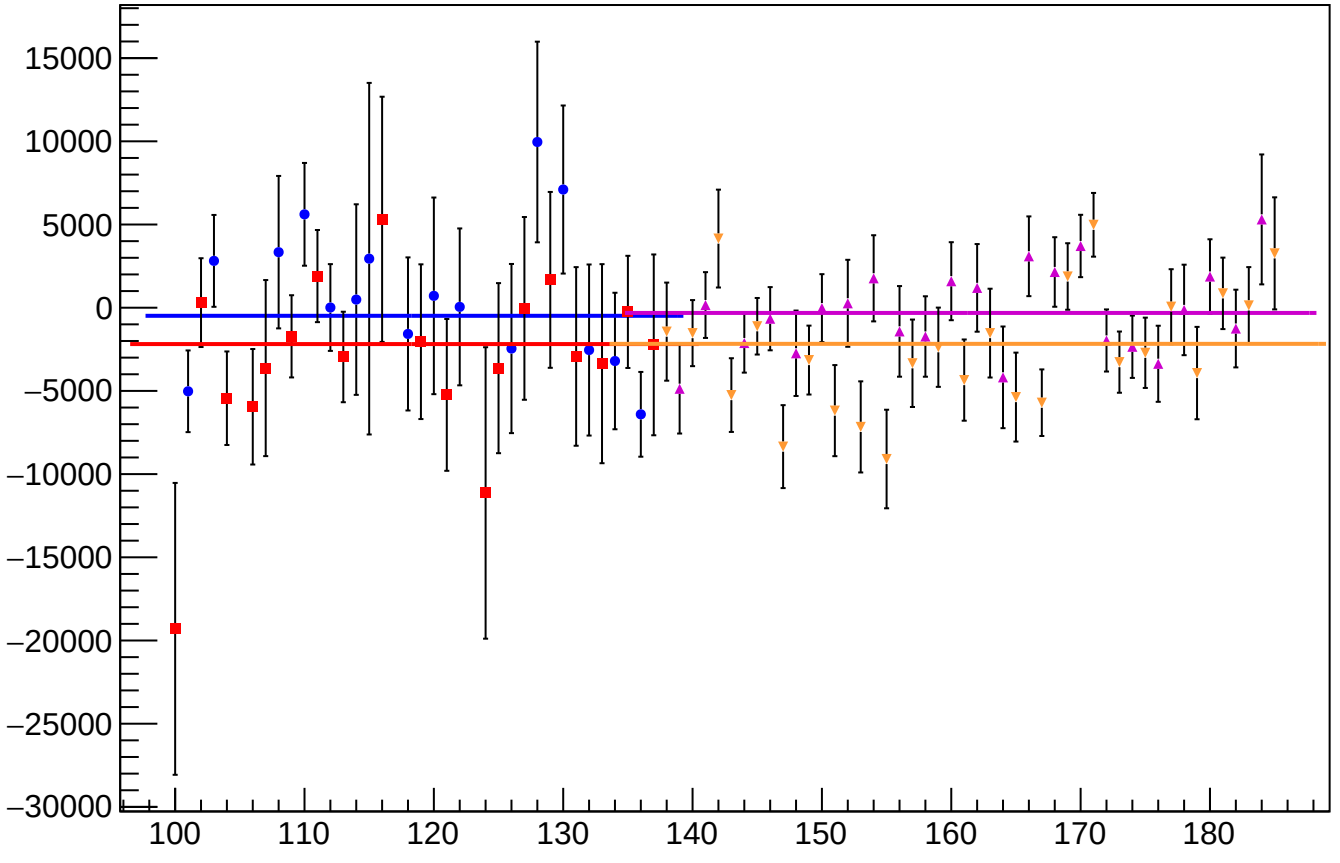
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 254.735+/-0.035 χ^2/NDF: 1198408.2/40

All: 254.043+/-0.025 χ^2/NDF: 2489250.1/82

- 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: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

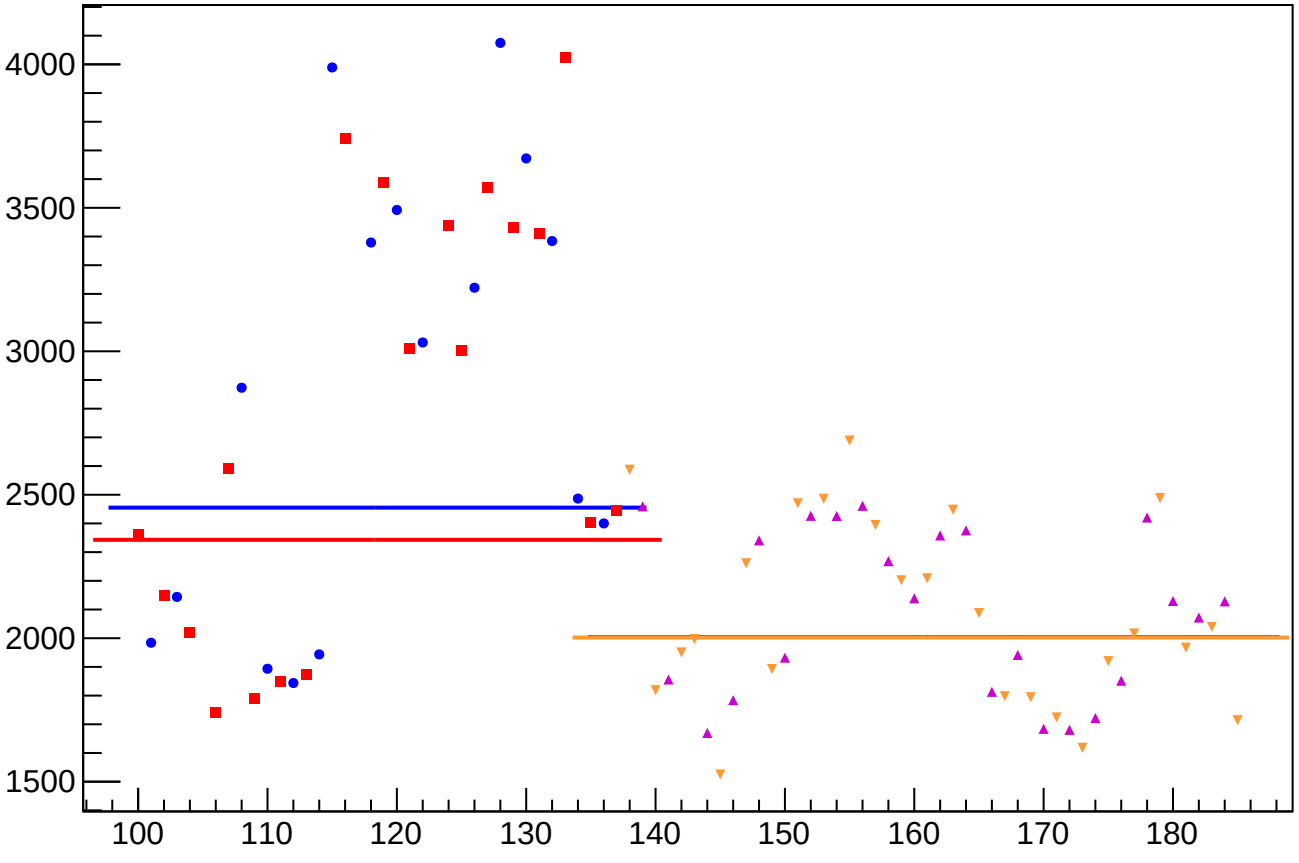
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1848.393+/-415.007 χ^2/NDF: 79.2/40

All: -1291.173+/-294.866 χ^2/NDF: 123.2/82

- 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: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

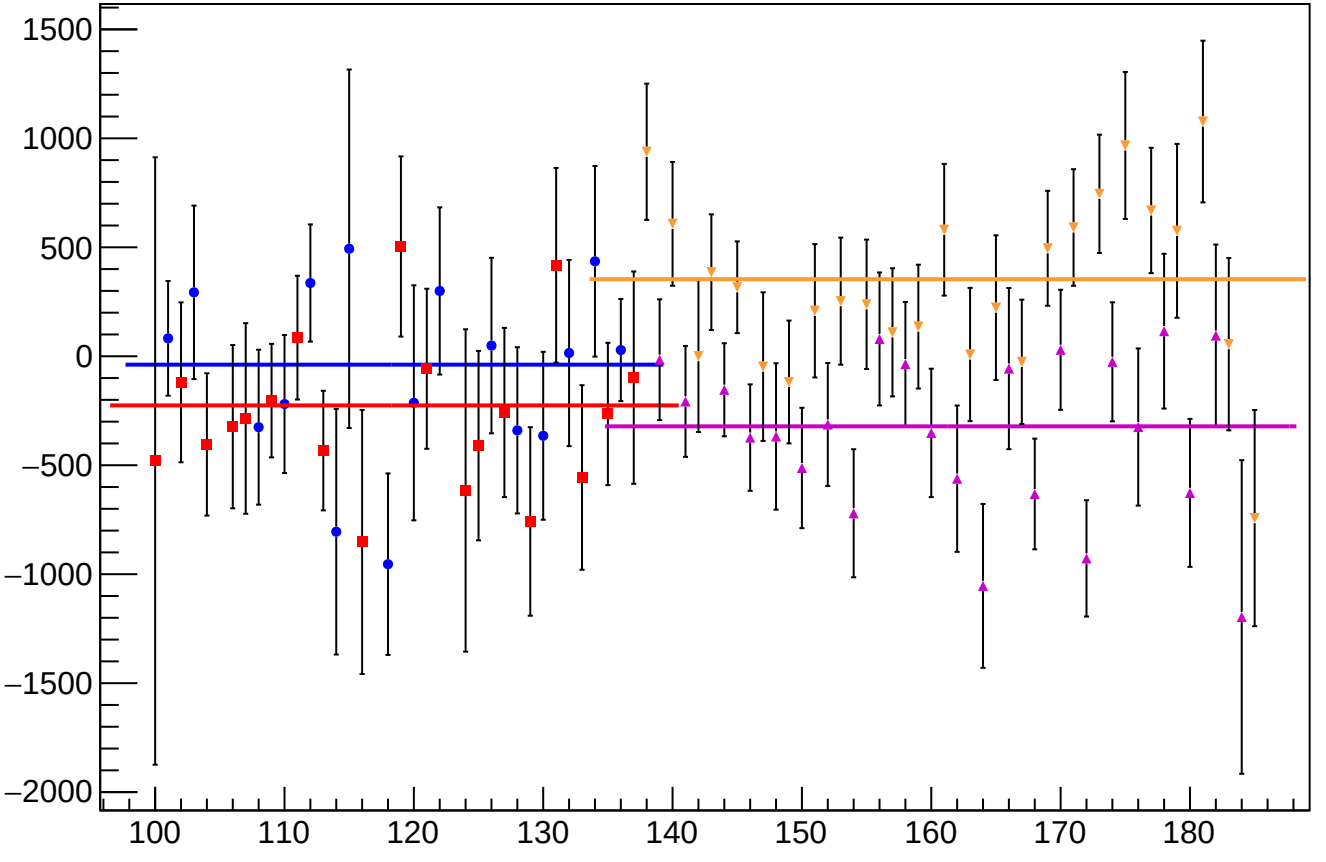
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2089.122+/-0.293 χ^2/NDF: 2156374.4/40

All: 2083.786+/-0.209 χ^2/NDF: 4155697.0/82

- 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: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

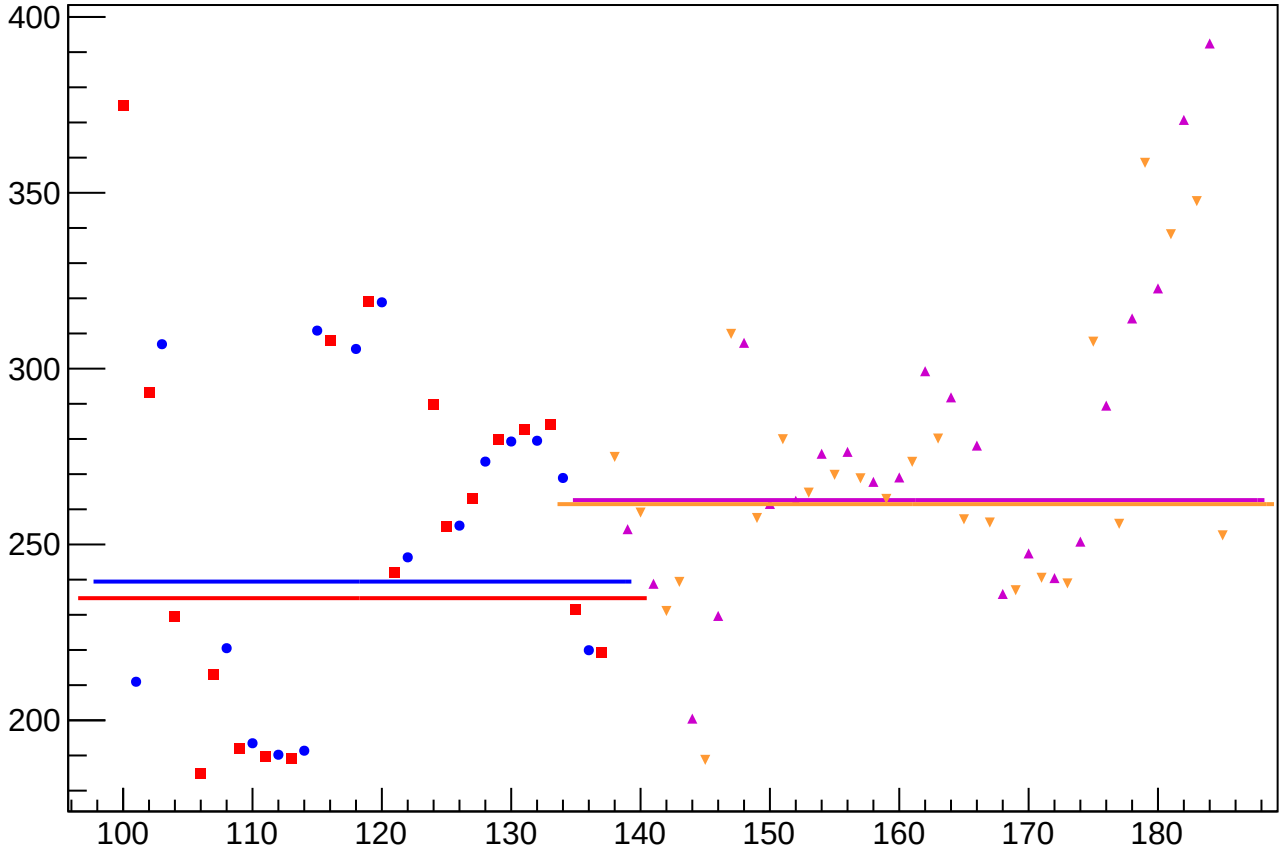
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 233.705+/-50.114 χ^2/NDF: 59.8/40

All: -24.725+/-35.652 χ^2/NDF: 152.1/82

- 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: 261.470+/-0.043 χ^2/NDF:715467.9/24

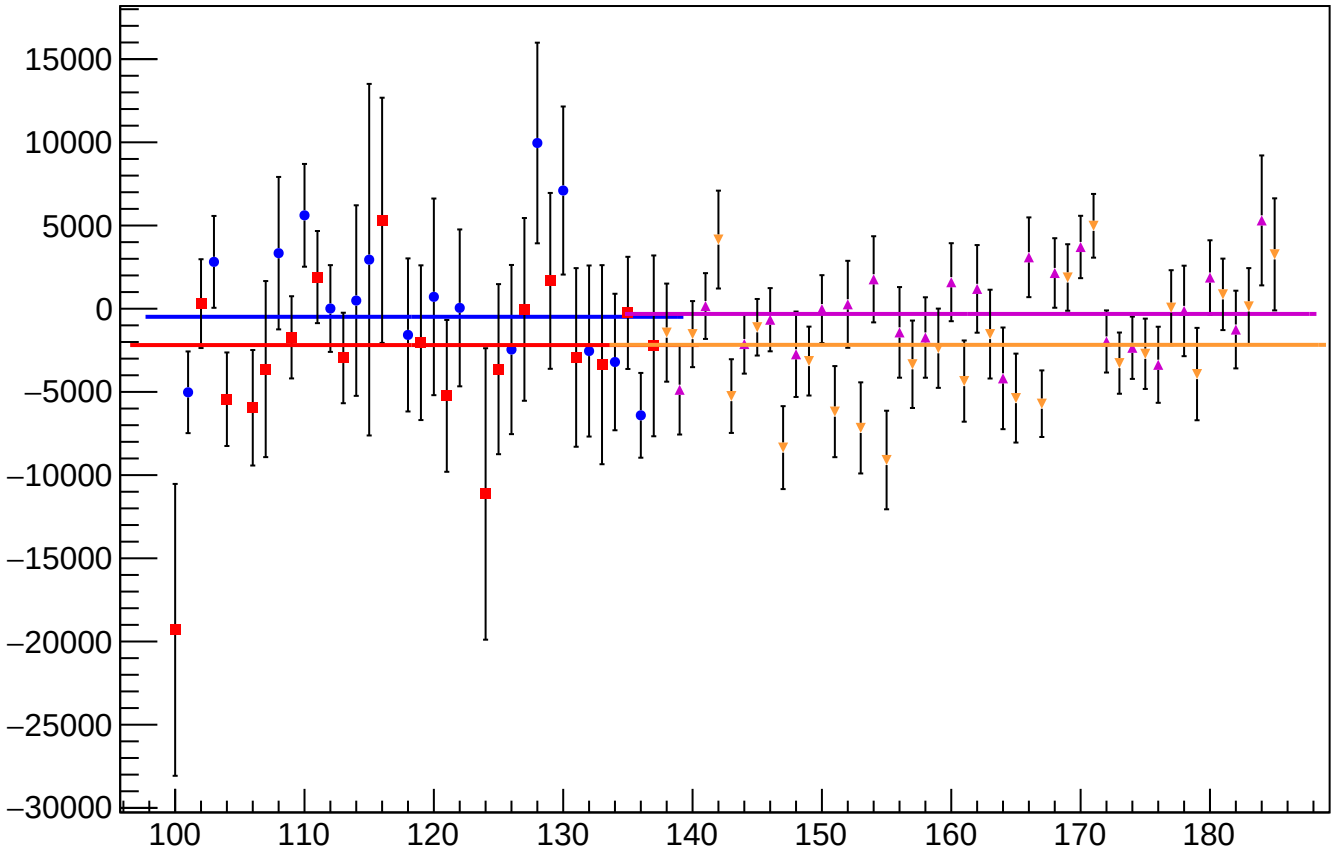
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 254.735+/-0.035 χ^2/NDF: 1198408.2/40

All: 254.043+/-0.025 χ^2/NDF: 2489250.1/82

- 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: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

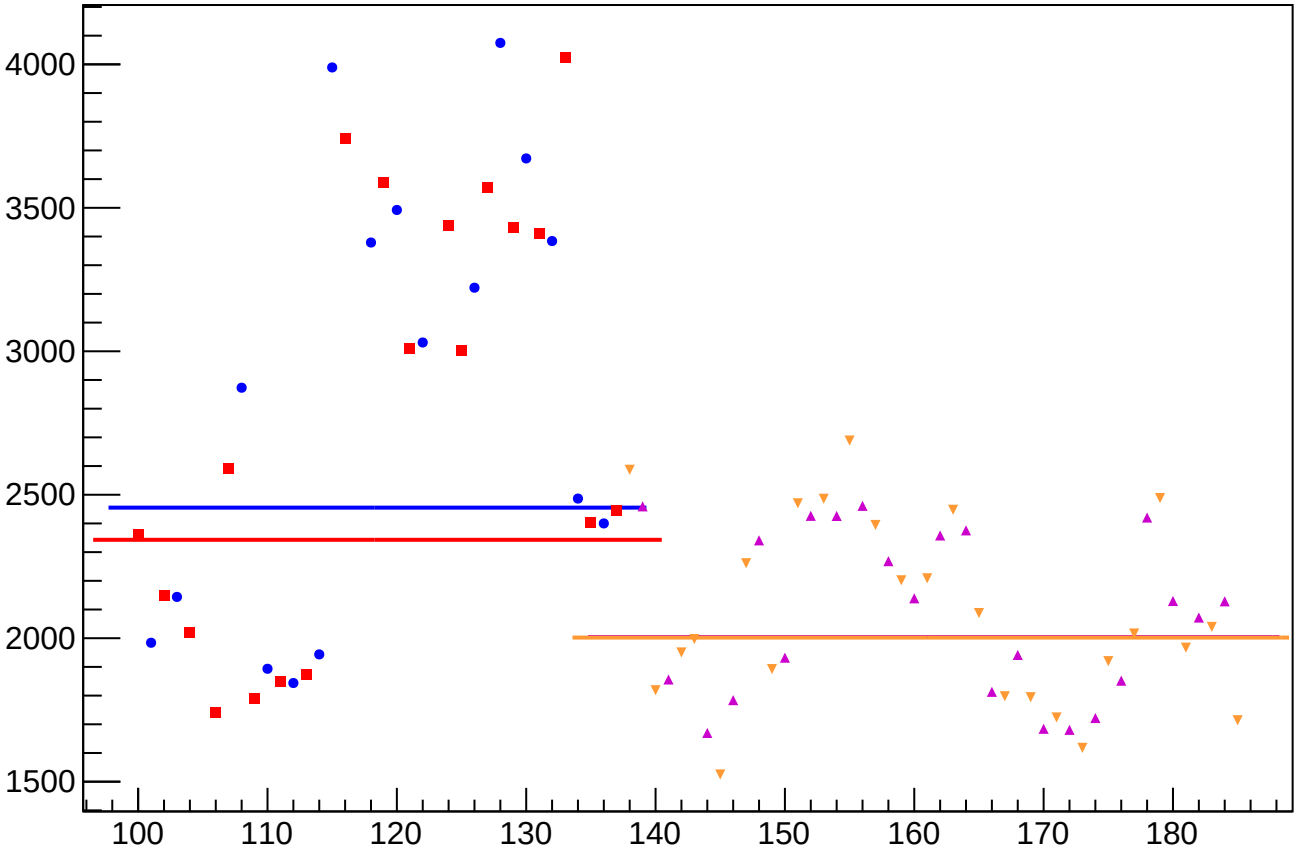
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1848.393+/-415.007 χ^2/NDF: 79.2/40

All: -1291.173+/-294.866 χ^2/NDF: 123.2/82

- 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: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

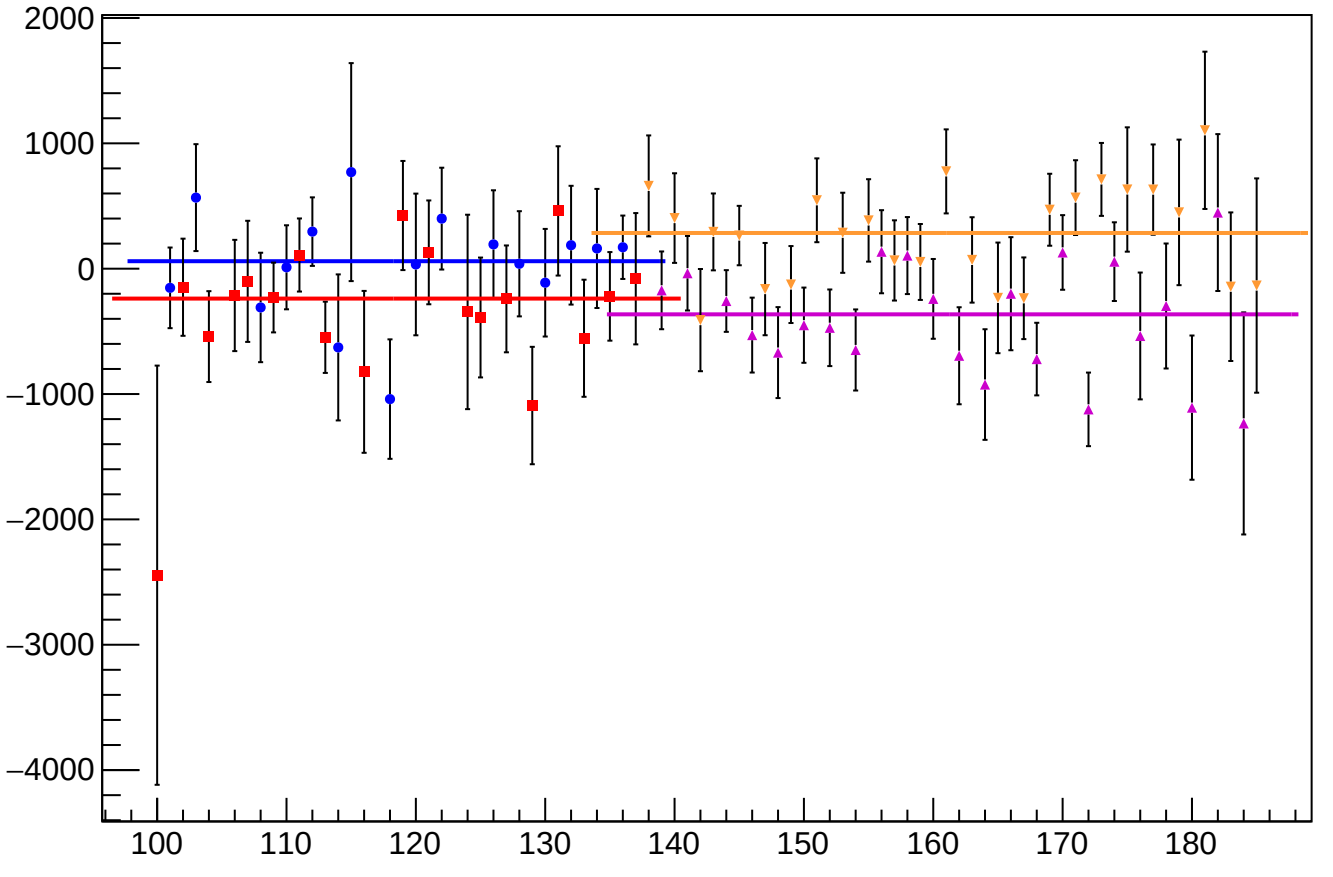
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2089.122+/-0.293 χ^2/NDF: 2156374.4/40

All: 2083.786+/-0.209 χ^2/NDF: 4155697.0/82

- 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: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

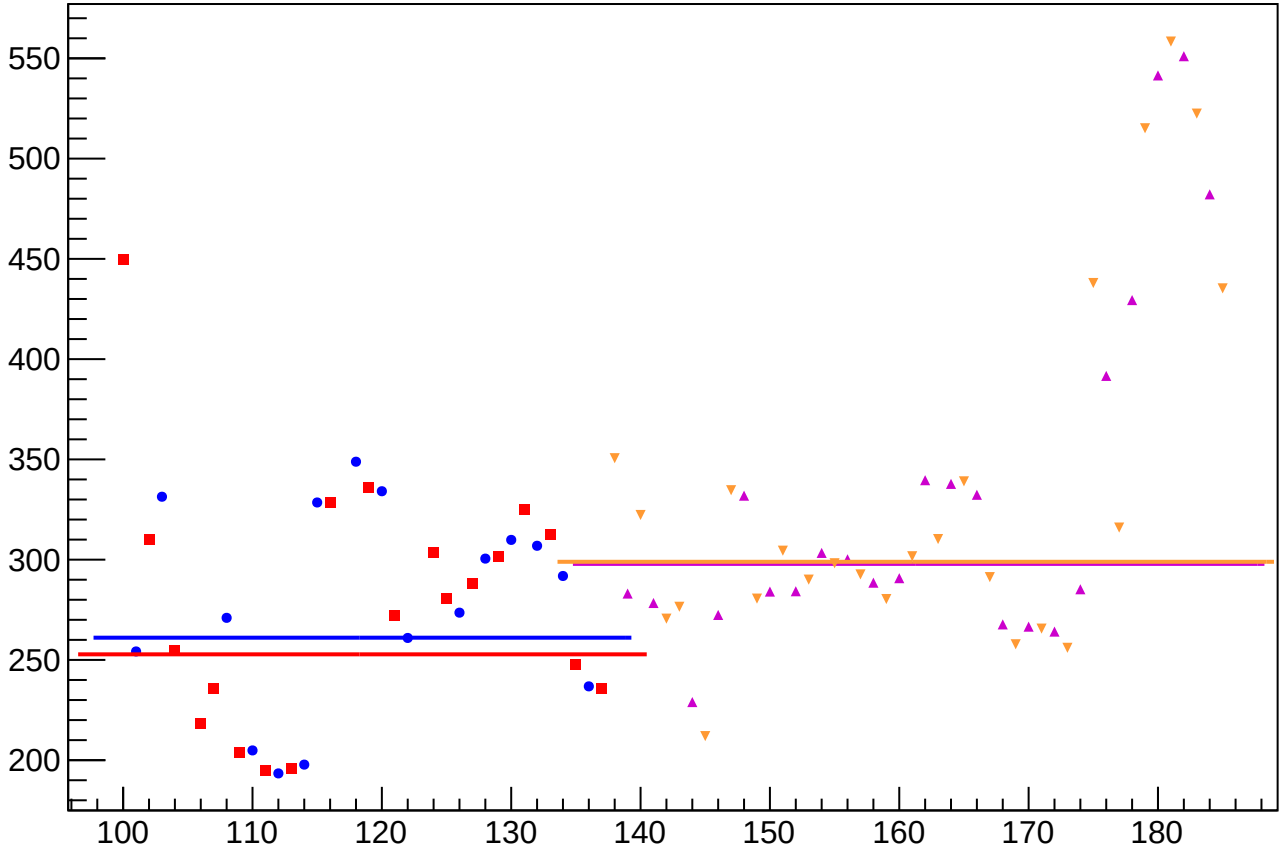
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 210.036+/-57.220 χ^2/NDF: 38.3/40

All: -54.137+/-40.471 χ^2/NDF: 125.2/82

- 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: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

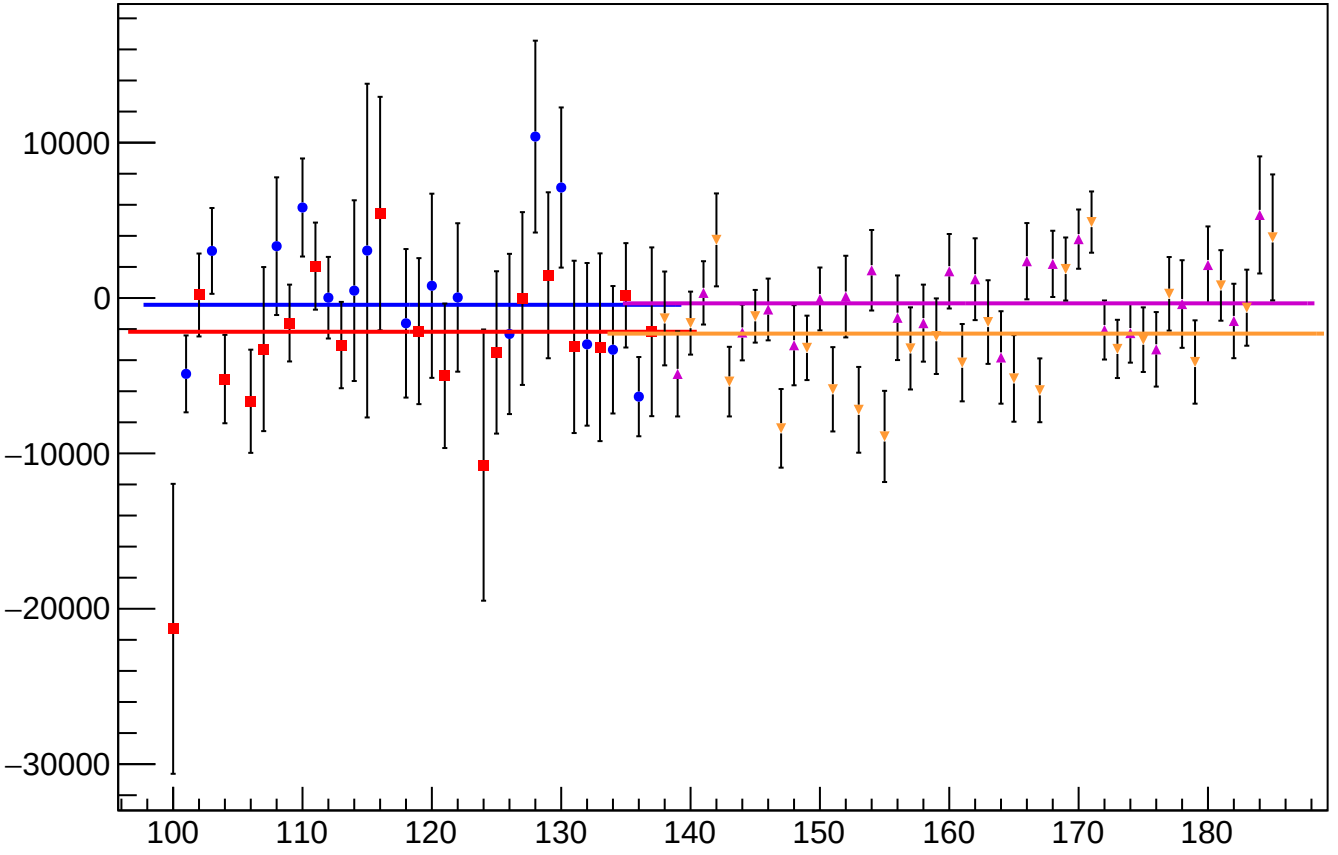
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 286.353+/-0.040 χ^2/NDF: 2269963.2/40

All: 283.942+/-0.029 χ^2/NDF: 4420287.6/82

- 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: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

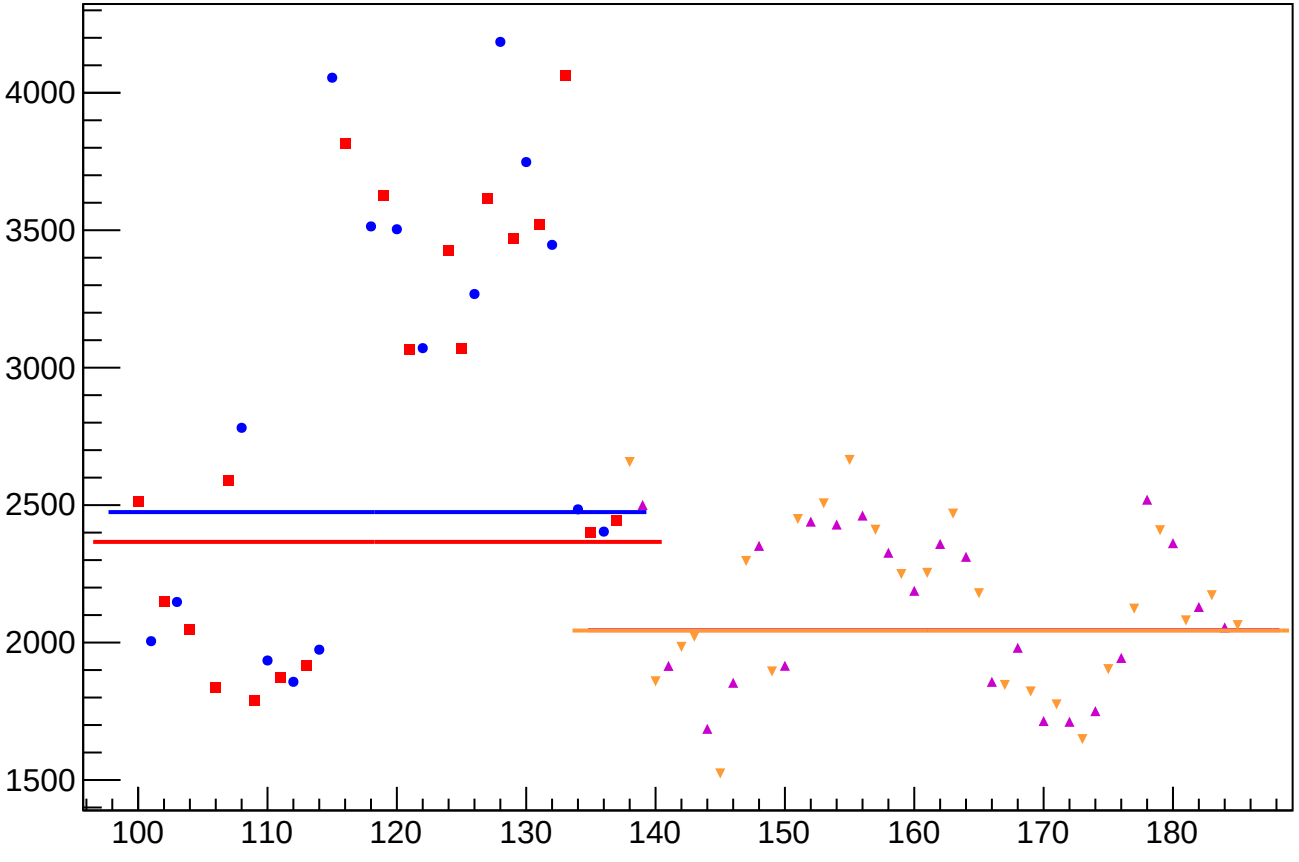
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1928.885+/-422.082 χ^2/NDF: 75.9/40

All: -1345.899+/-299.873 χ^2/NDF: 119.8/82

- 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: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

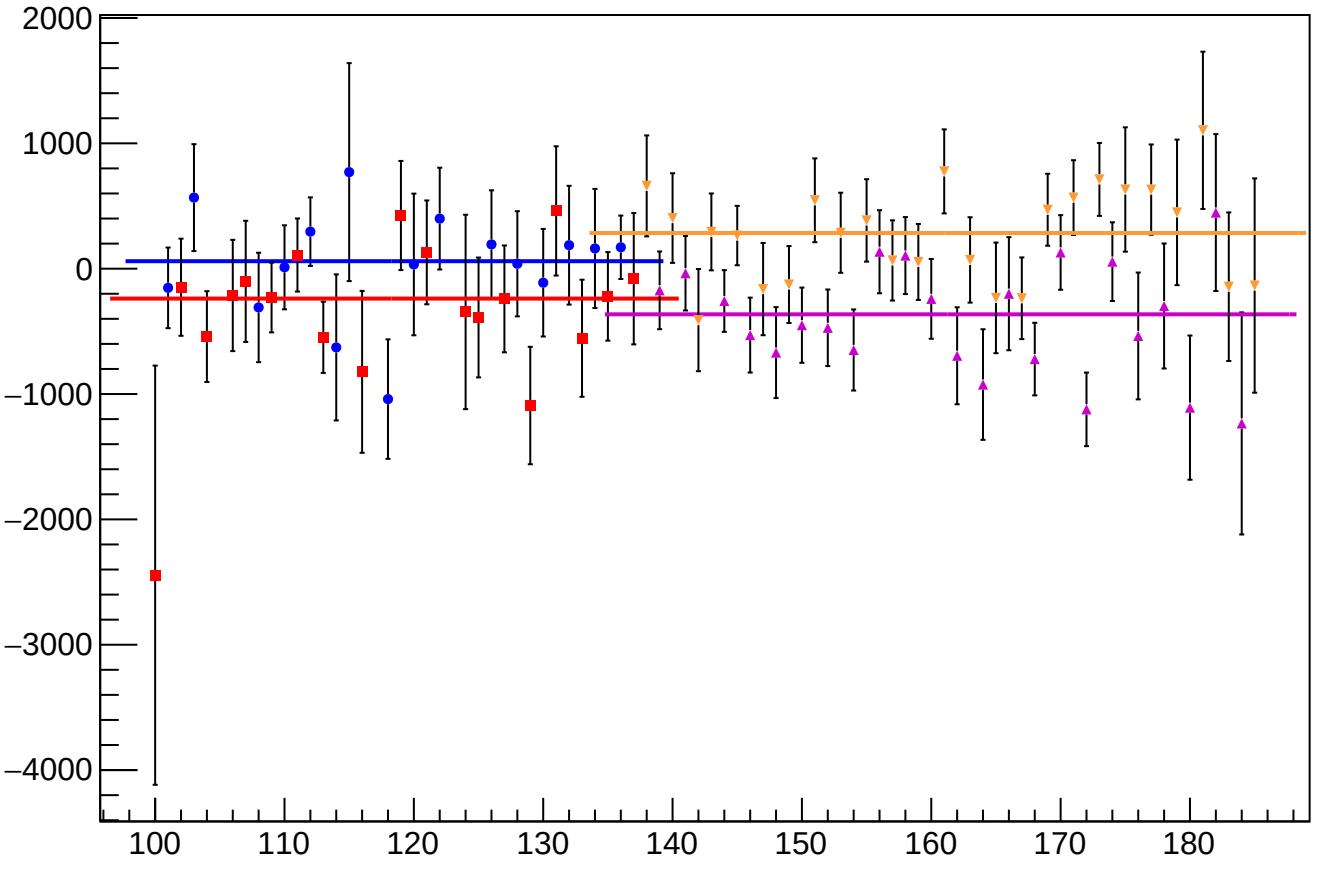
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2127.889+/-0.298 χ^2/NDF: 2097171.2/40

All: 2122.481+/-0.212 χ^2/NDF: 4062327.6/82

- sign 2116.969+/-0.301 χ^2/NDF: 1964493.6/41

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

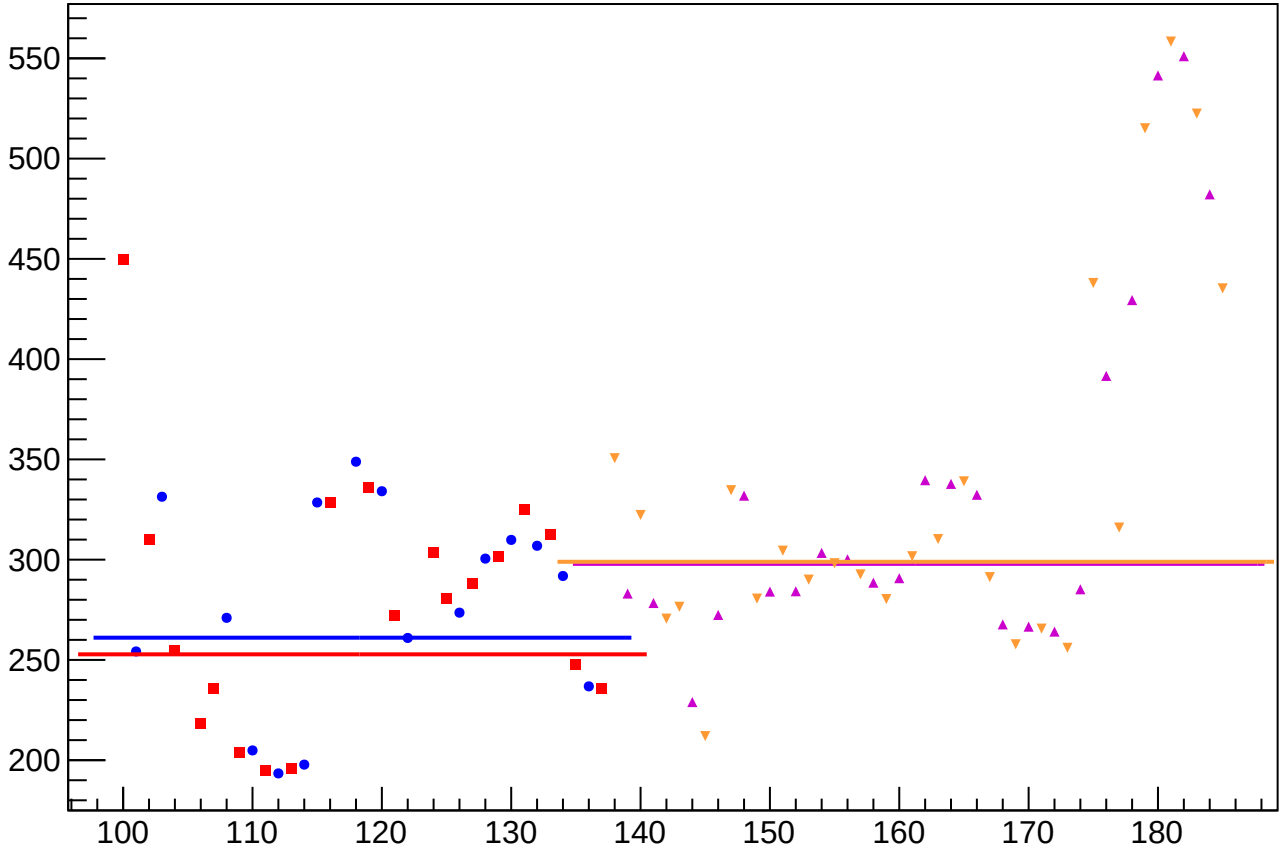
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 210.041+/-57.220 χ^2/NDF: 38.3/40

All: -54.135+/-40.471 χ^2/NDF: 125.2/82

- 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: 298.938+/-0.050 χ^2/NDF:1613074.5/24

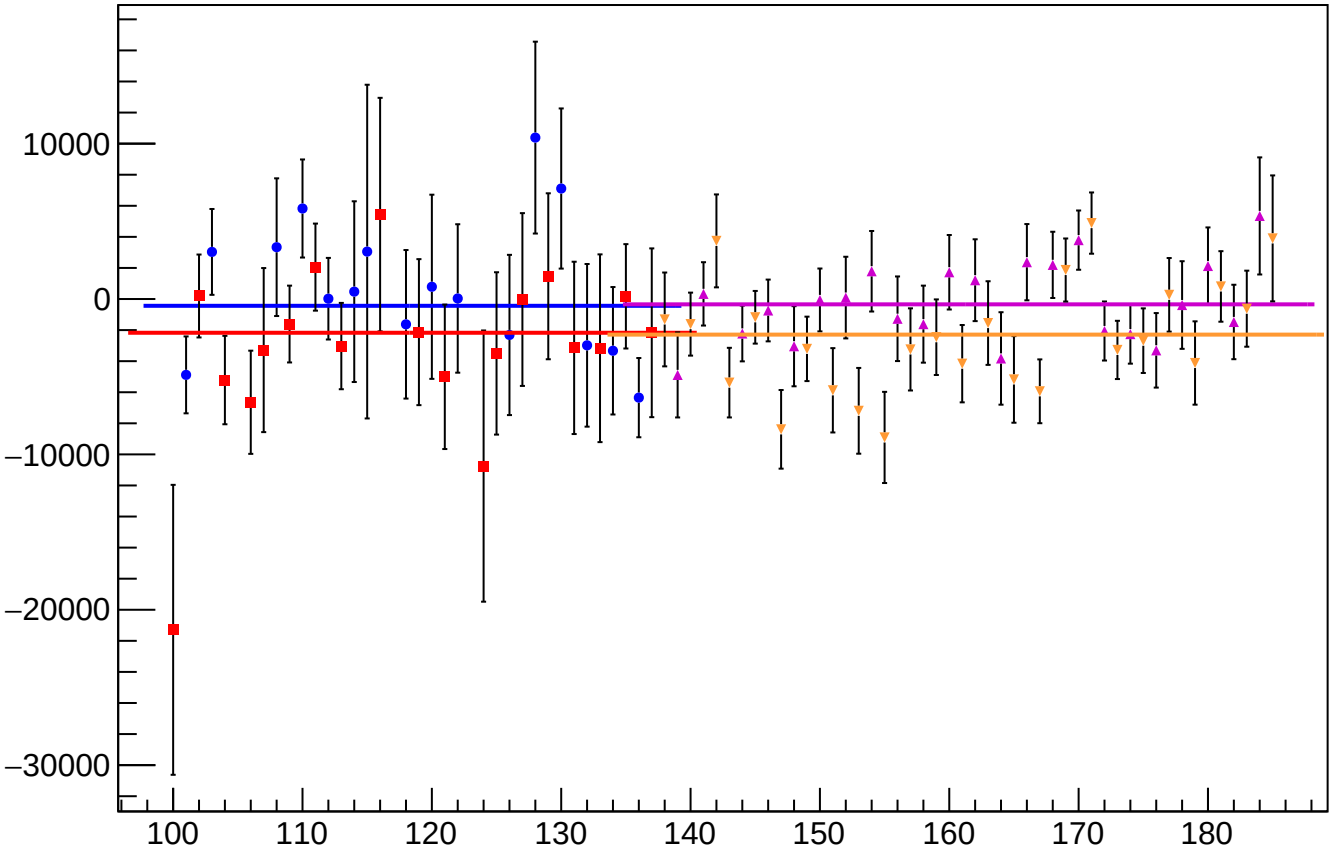
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 286.353+/-0.040 χ^2/NDF: 2269965.6/40

All: 283.942+/-0.029 χ^2/NDF: 4420278.7/82

- sign 281.529+/-0.040 χ^2/NDF: 2143208.6/41



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

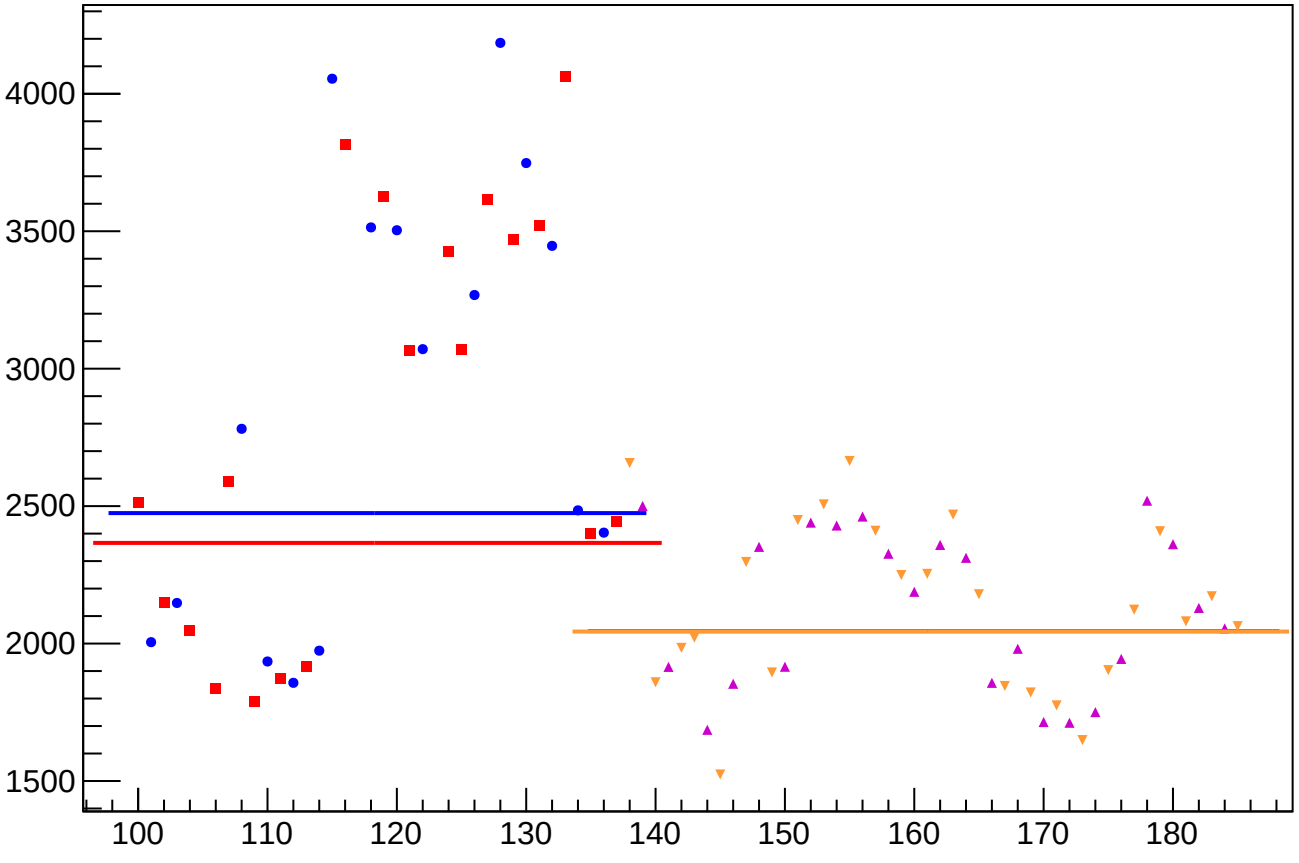
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1928.881+/-422.082 χ^2/NDF: 75.9/40

All: -1345.895+/-299.873 χ^2/NDF: 119.8/82

- 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: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

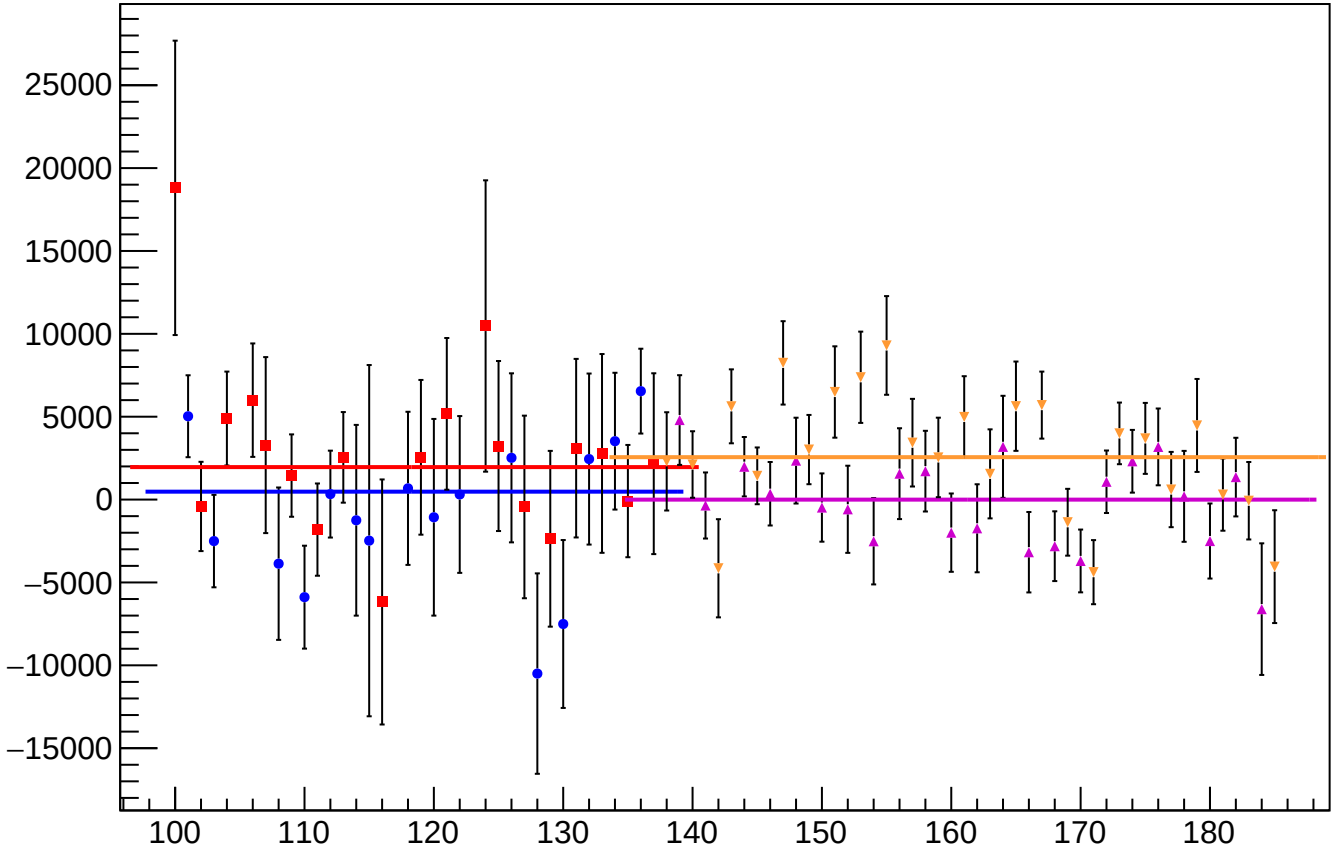
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2127.886+/-0.298 χ^2/NDF: 2097179.5/40

All: 2122.478+/-0.212 χ^2/NDF: 4062338.5/82

- 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: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

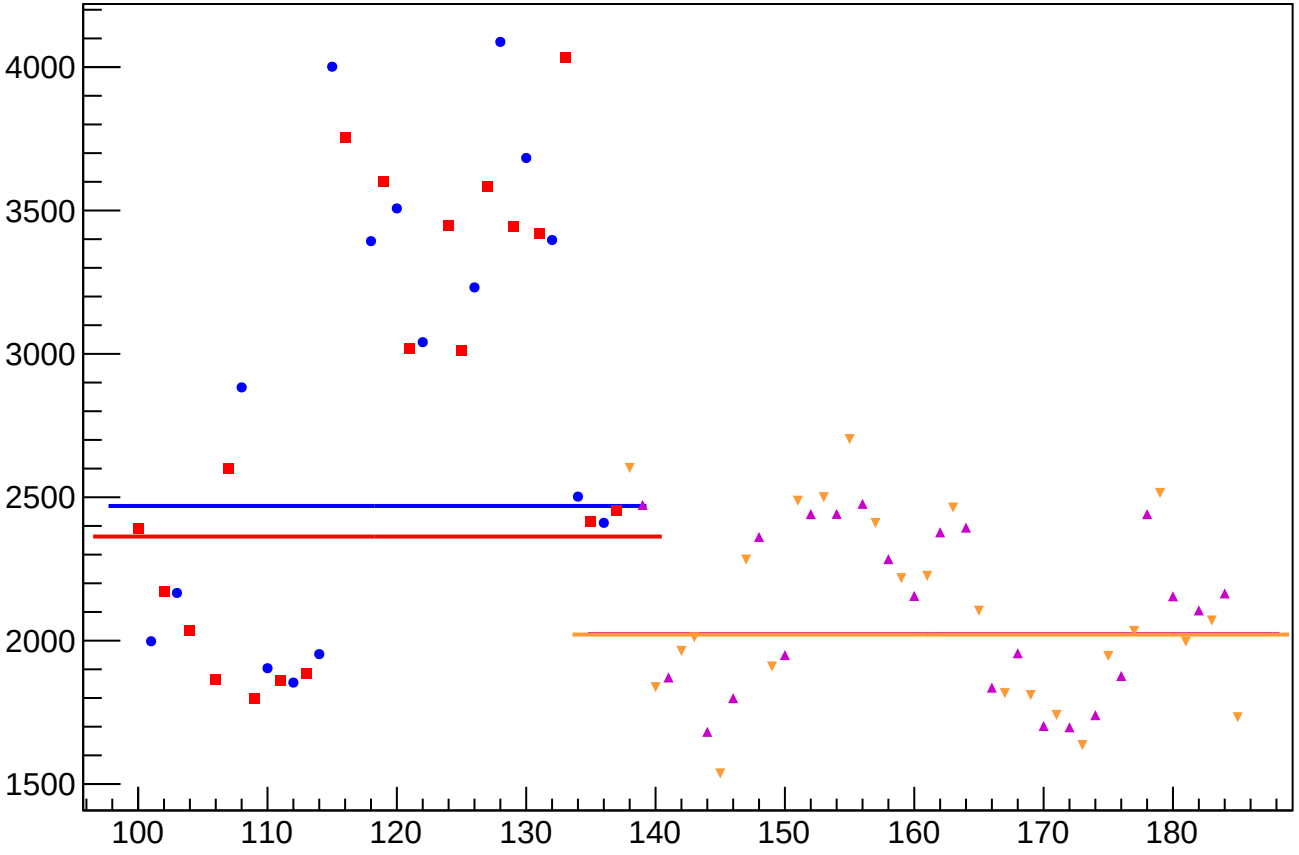
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2157.250+/-418.570 χ^2/NDF: 78.7/40

All: 1301.329+/-297.345 χ^2/NDF: 128.3/82

- 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: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

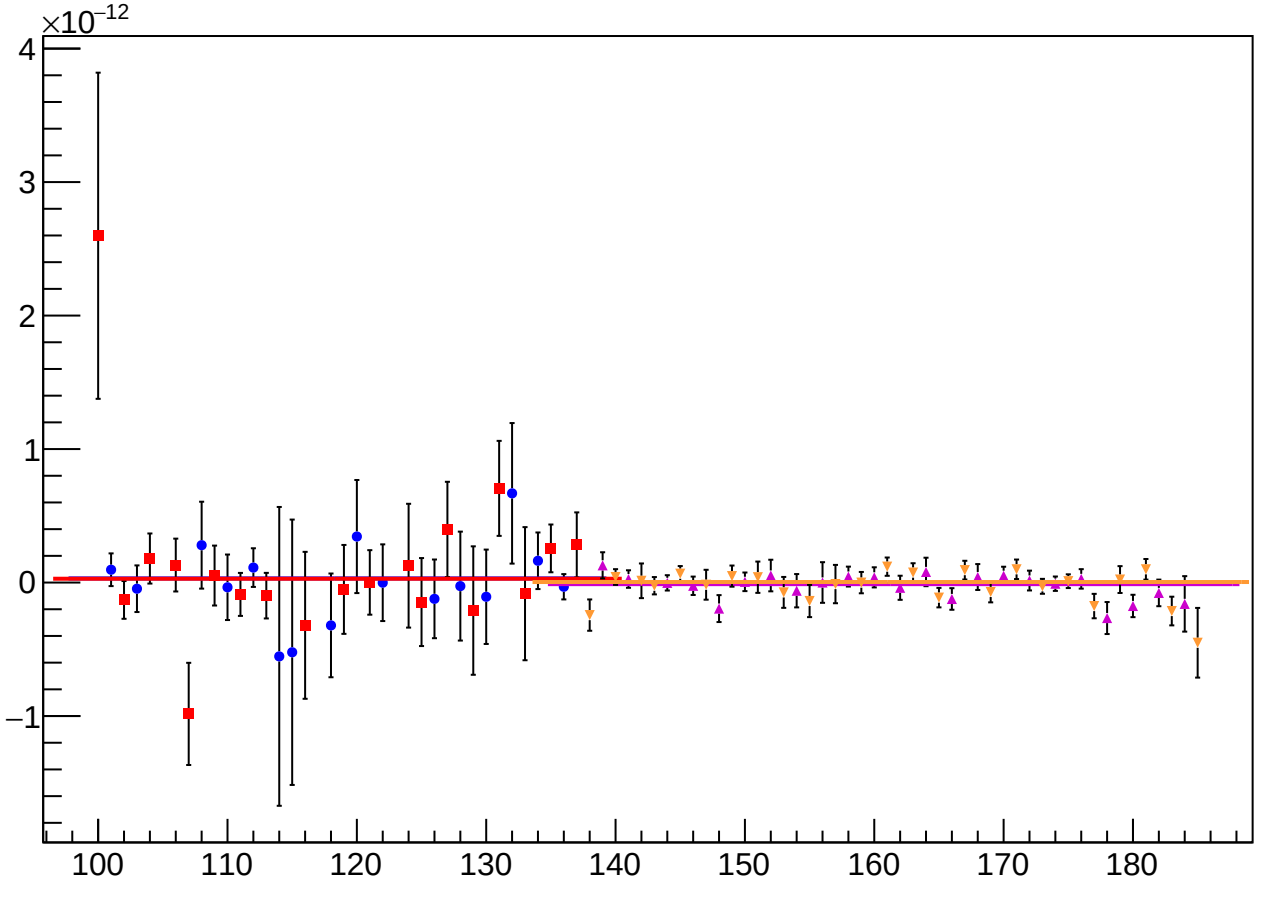
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2107.806+/-0.296 χ^2/NDF: 2125002.1/40

All: 2103.049+/-0.210 χ^2/NDF: 4087262.6/82

- 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:32.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

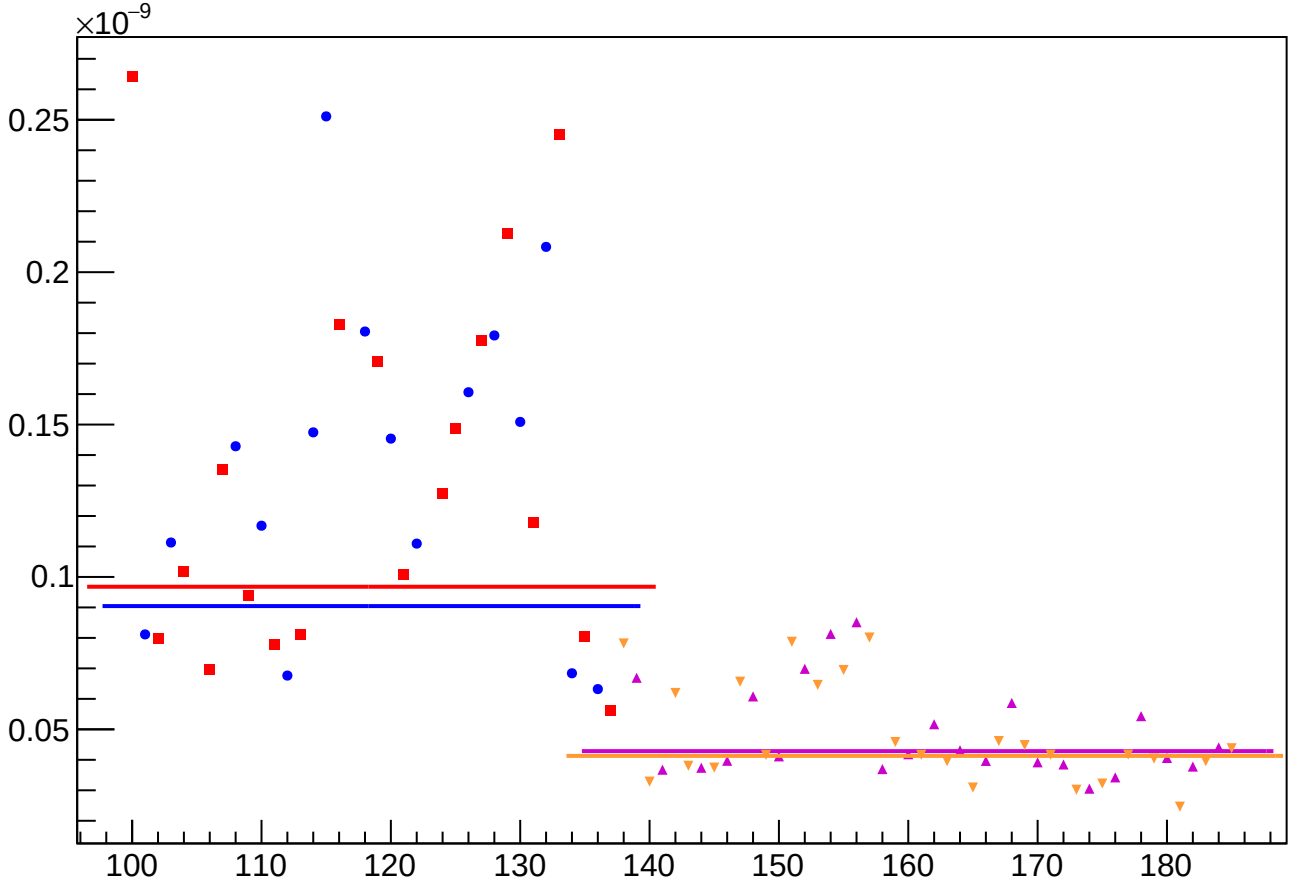
Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.5/40

All: -0.000+/-0.000 χ^2/NDF: 83.4/82

- sign -0.000+/-0.000 χ^2/NDF: 44.5/41

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

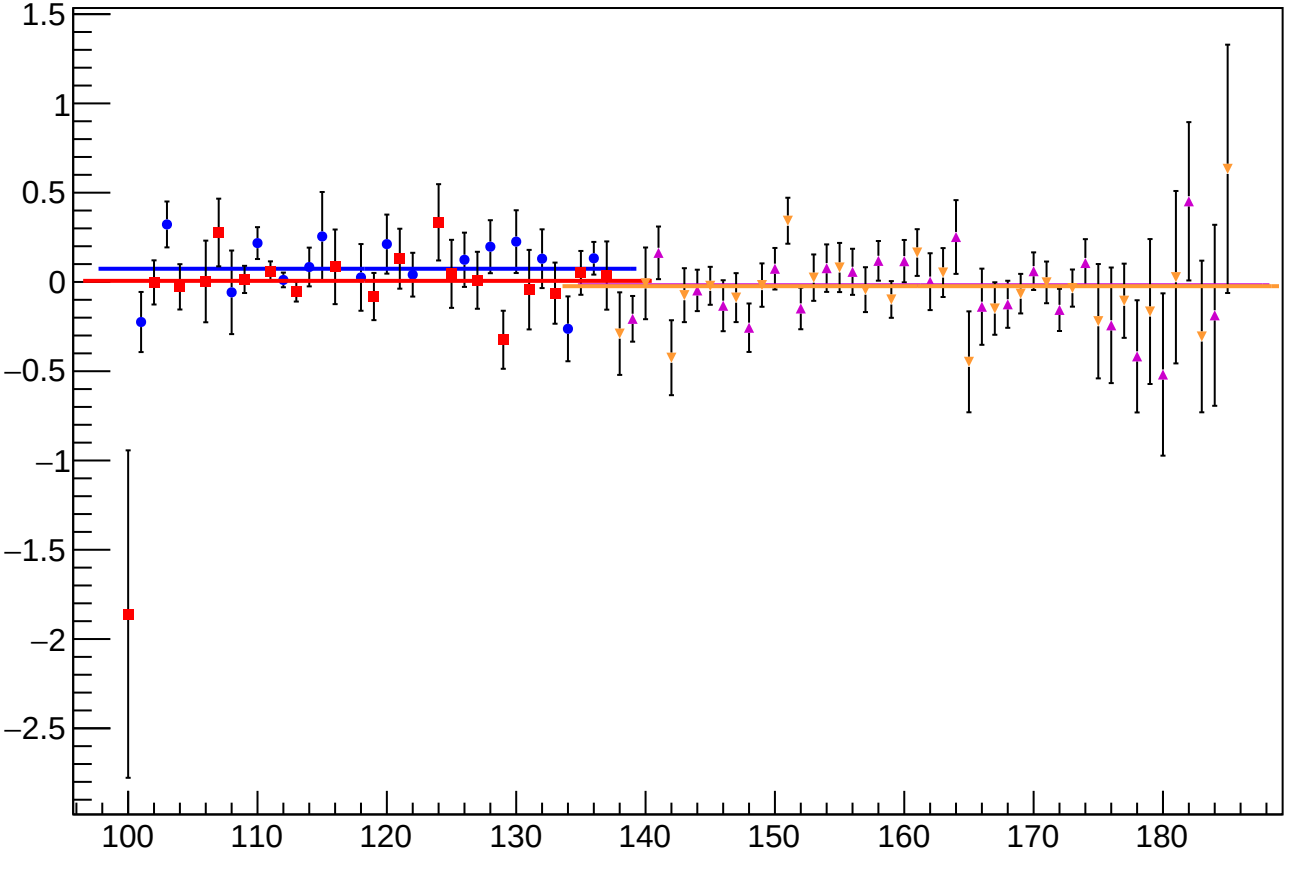
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3764801.9/40

All: 0.000+/-0.000 χ^2/NDF: 7265872.6/82

- sign 0.000+/-0.000 χ^2/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: -0.024+/-0.030 χ^2/NDF:22.2/24

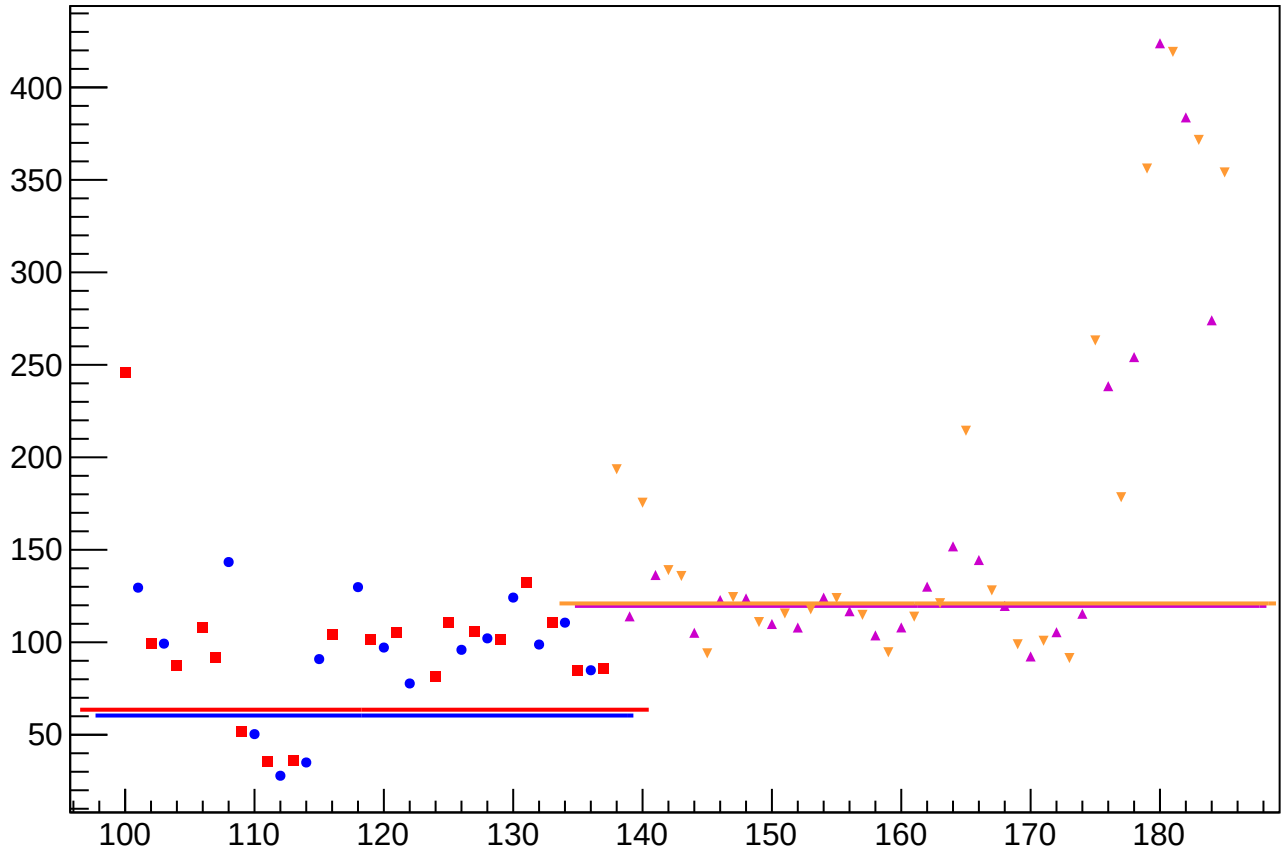
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 47.0/40

All: 0.013+/-0.014 χ^2/NDF: 88.4/82

- sign -0.005+/-0.020 χ^2/NDF: 39.8/41



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

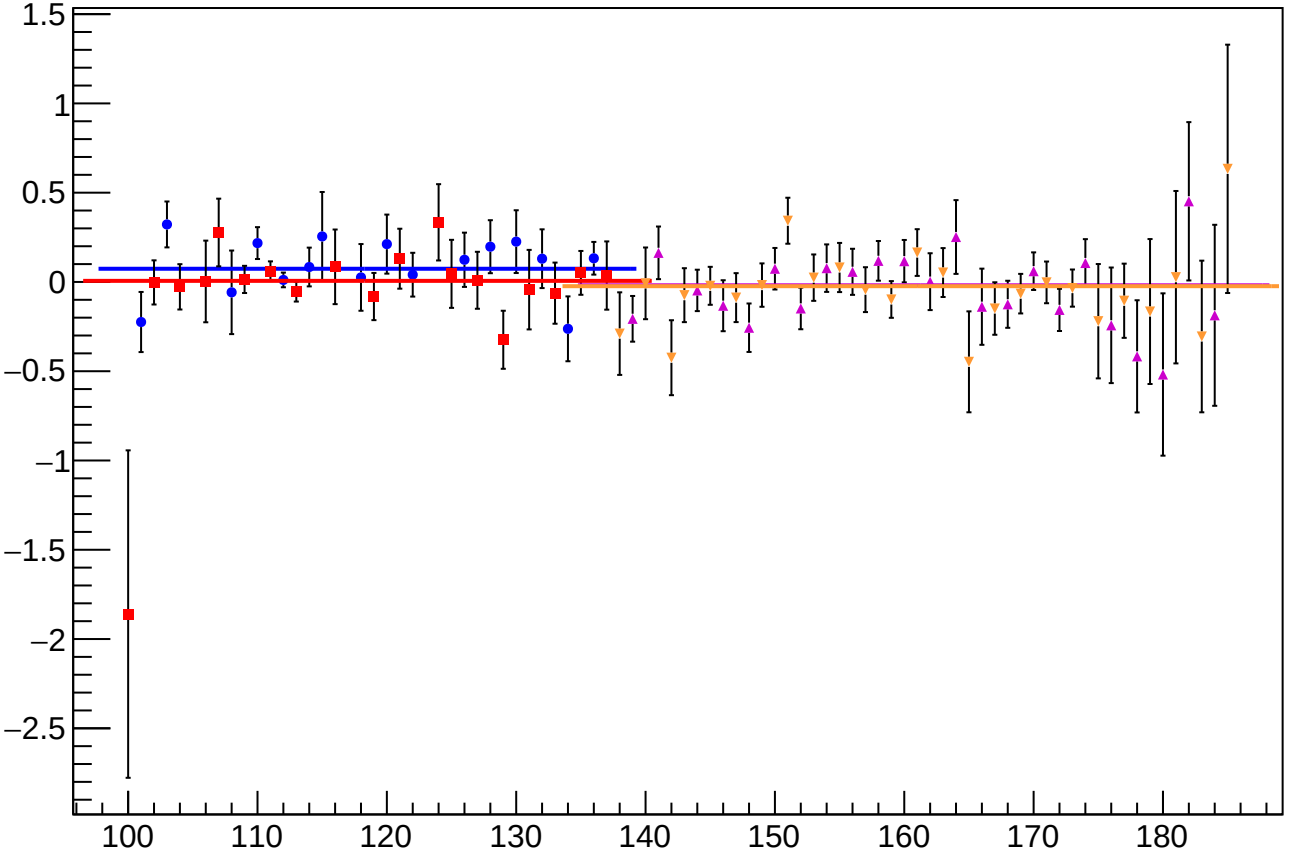
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 87.630+/-0.014 χ^2/NDF: 12156180.0/40

All: 87.959+/-0.010 χ^2/NDF: 21507106.9/82

- sign 88.289+/-0.014 χ^2/NDF: 9349848.3/41

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

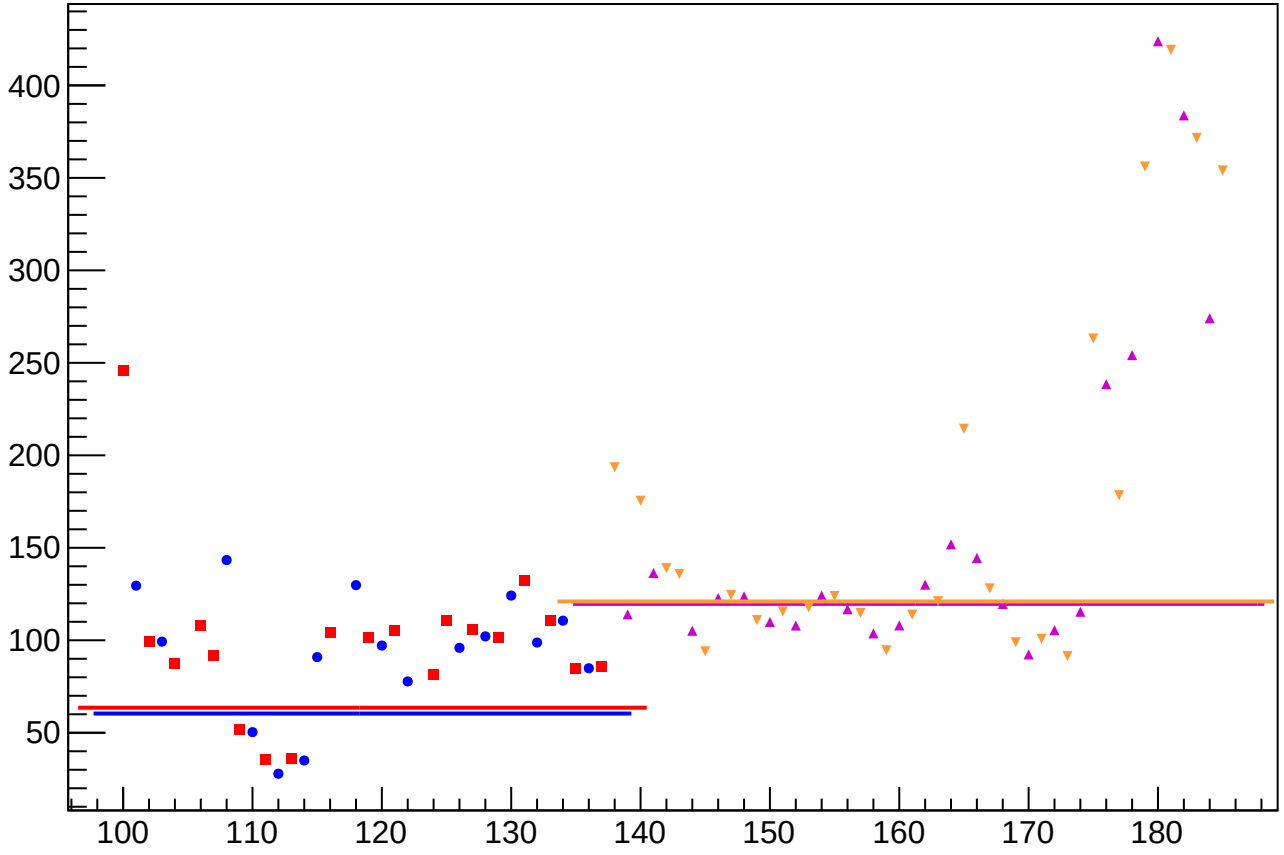
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 47.0/40

All: 0.013+/-0.014 χ^2/NDF: 88.4/82

- 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: 120.999+/-0.021 χ^2/NDF:4095266.9/24

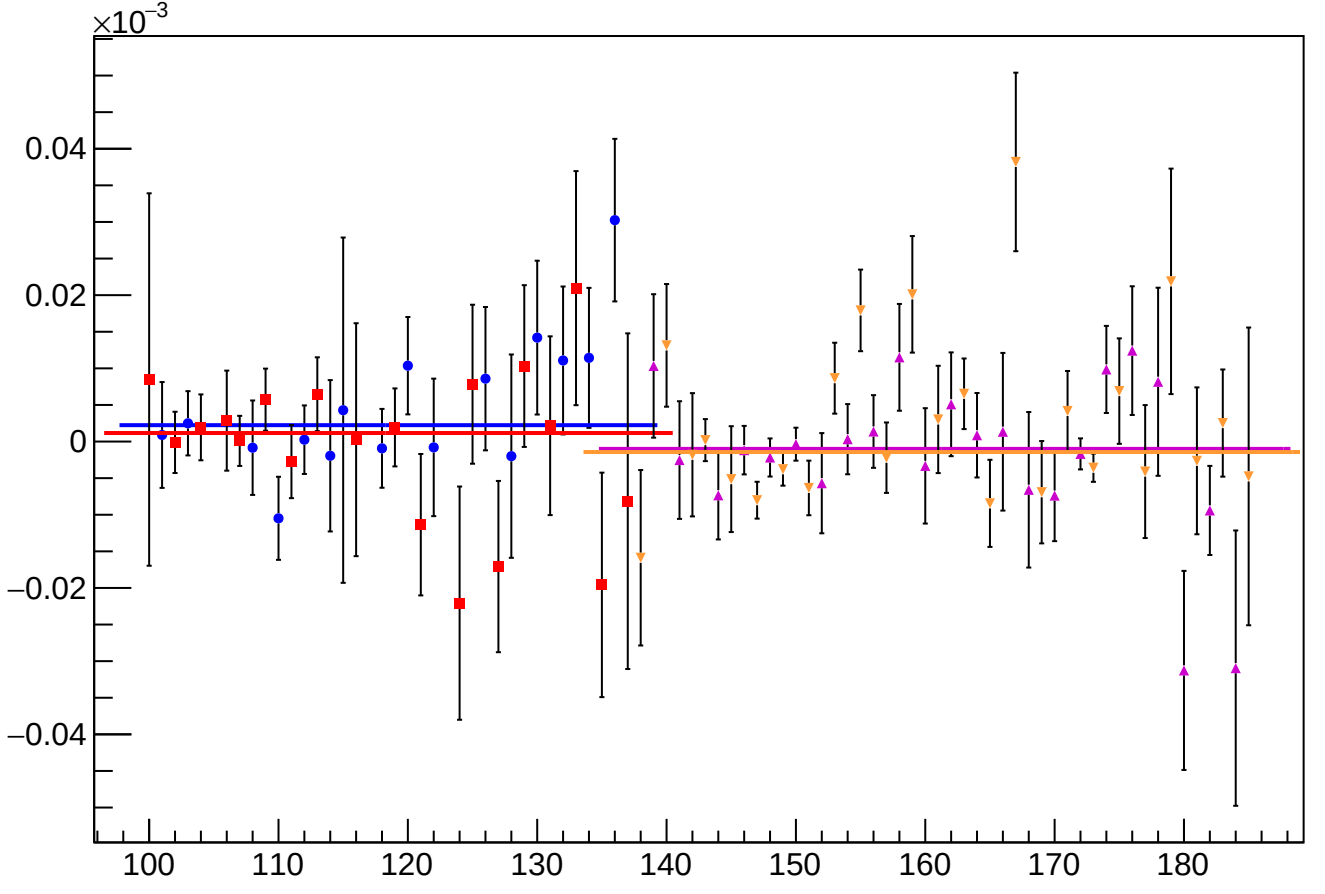
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

\+ sign 87.630+/-0.014 χ^2/NDF: 12156180.0/40

All: 87.959+/-0.010 χ^2/NDF: 21507106.9/82

\- 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:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

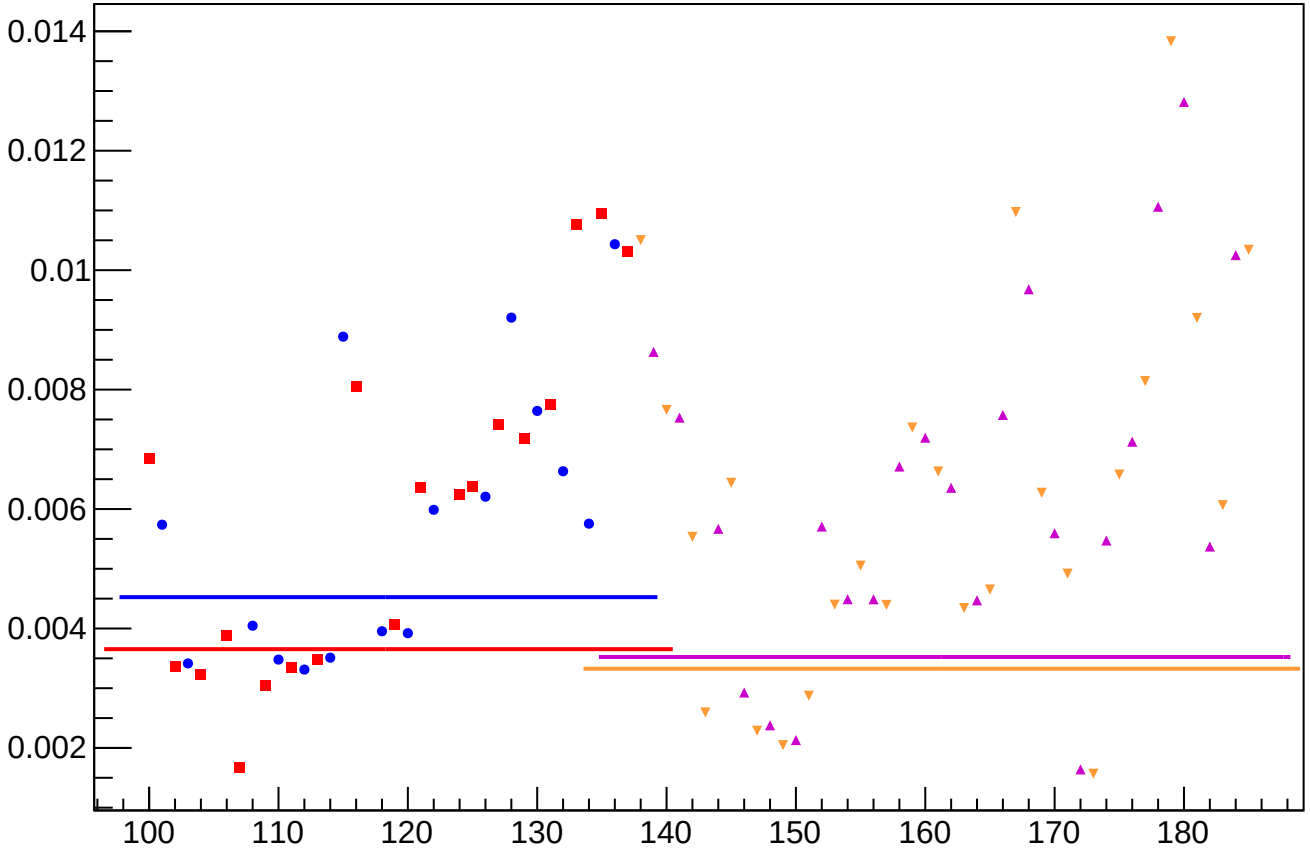
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.2/40

All: -0.000+/-0.000 χ^2/NDF: 121.3/82

- 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:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

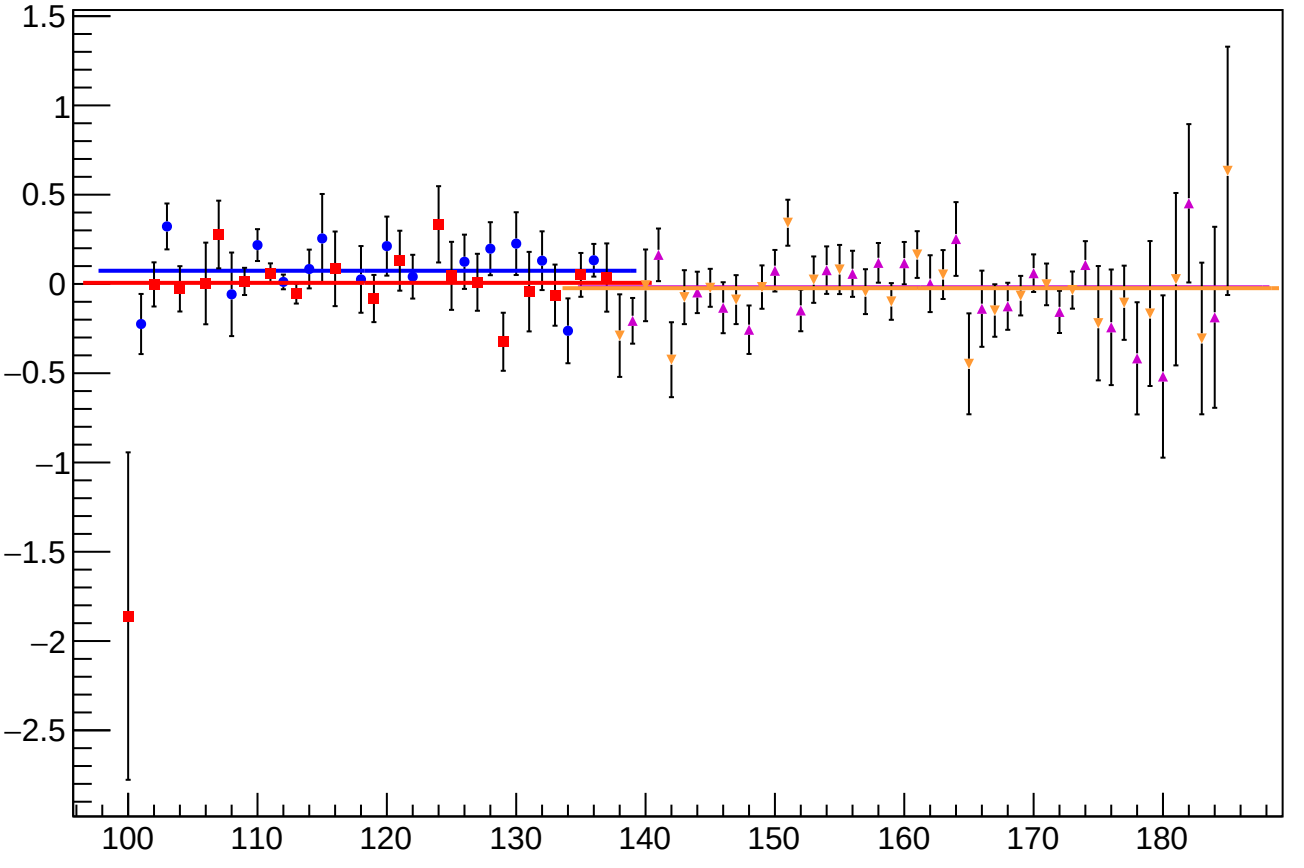
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 12908290.5/40

All: 0.004+/-0.000 χ^2/NDF: 25278667.4/82

- sign 0.004+/-0.000 χ^2/NDF: 12370363.5/41

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

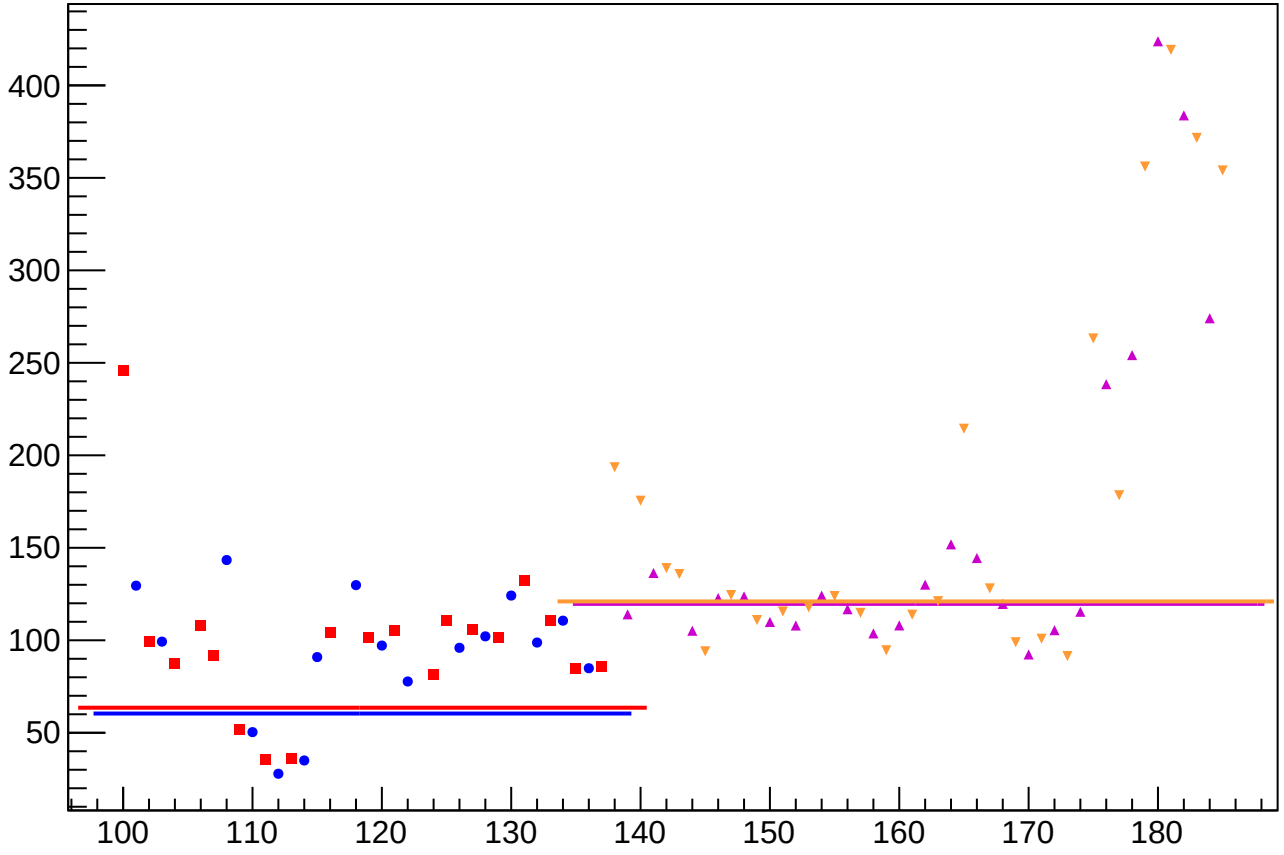
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 47.0/40

All: 0.013+/-0.014 χ^2/NDF: 88.4/82

- 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: 121.000+/-0.021 χ^2/NDF:4095210.5/24

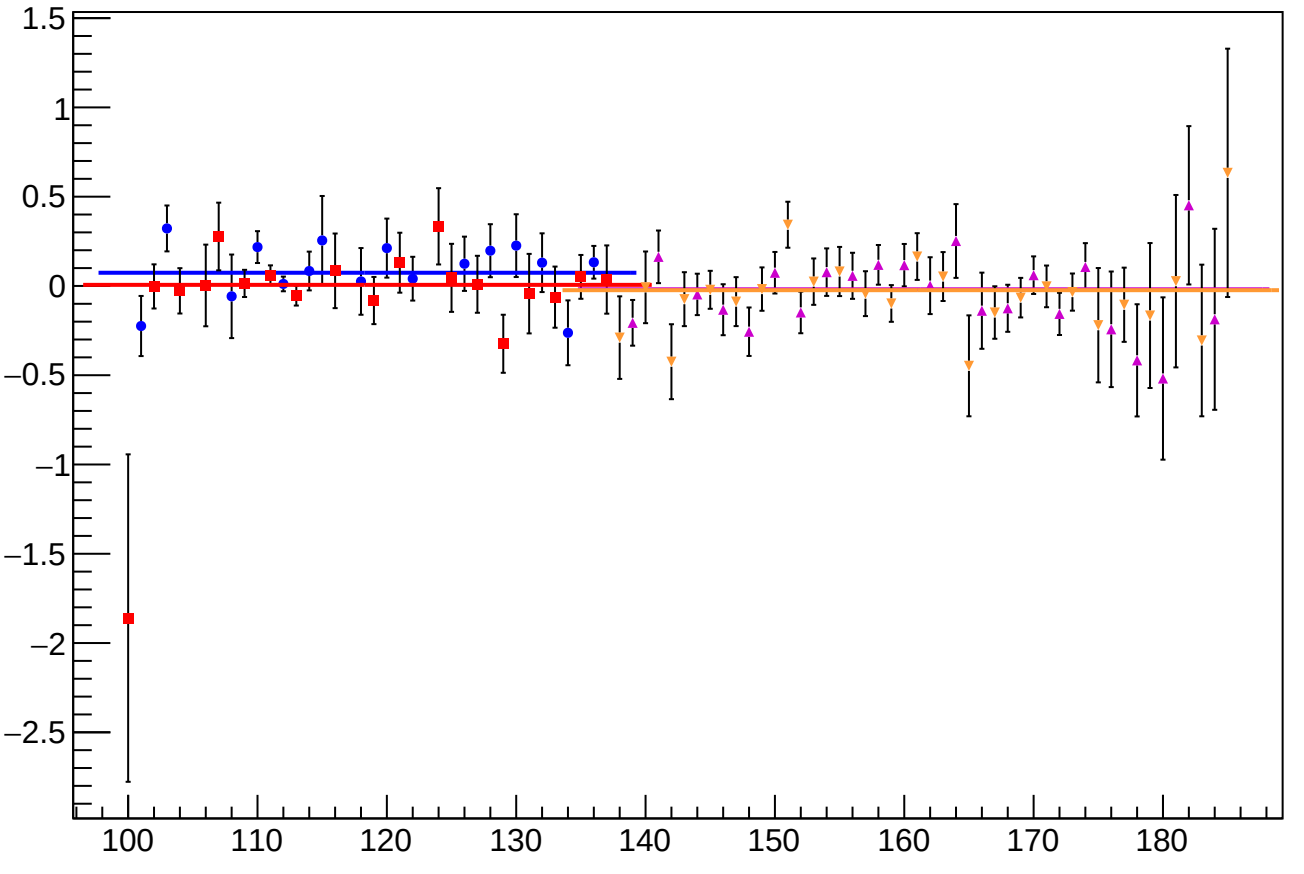
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 87.628+/-0.014 χ^2/NDF: 12156893.4/40

All: 87.958+/-0.010 χ^2/NDF: 21508434.9/82

- 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: -0.024+/-0.030 χ^2/NDF:22.2/24

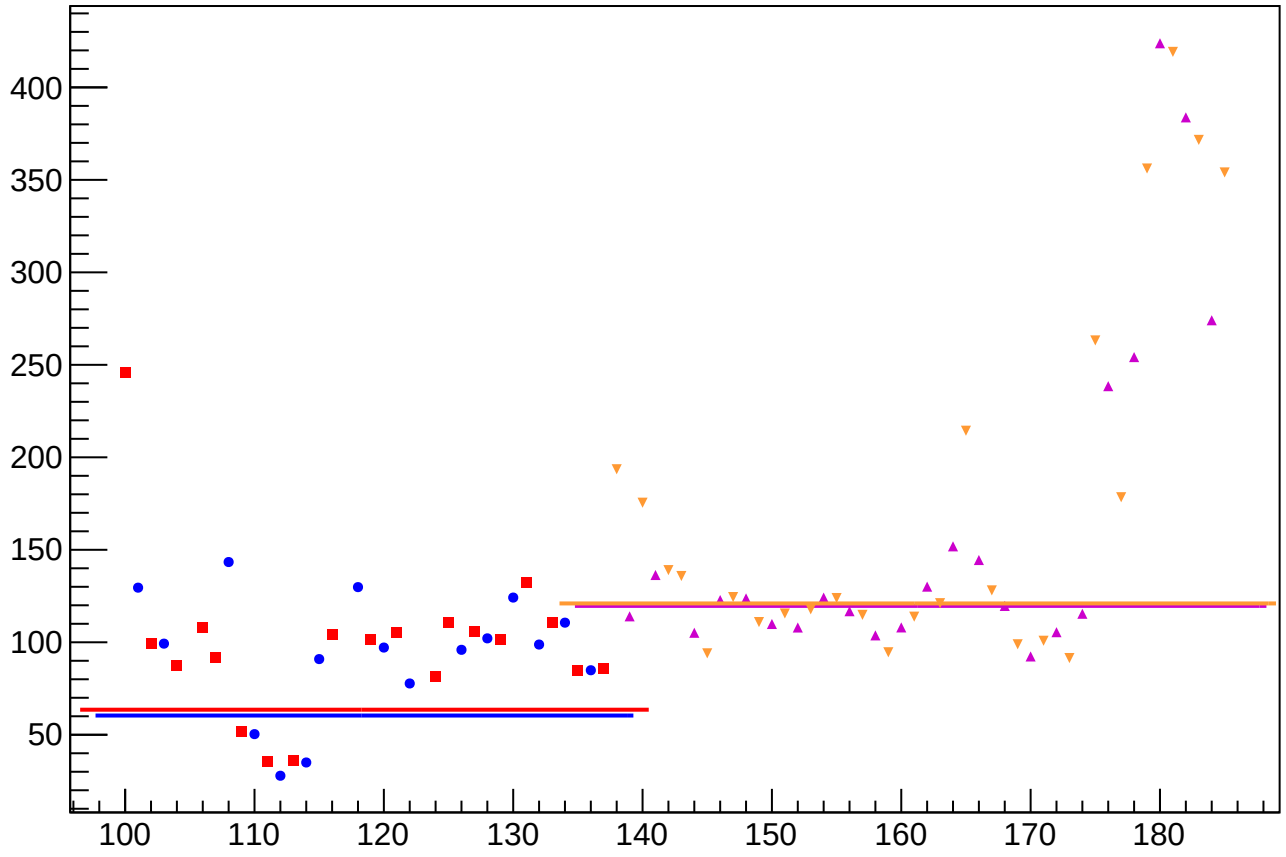
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.030+/-0.020 χ^2/NDF: 47.0/40

All: 0.013+/-0.014 χ^2/NDF: 88.4/82

- 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: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

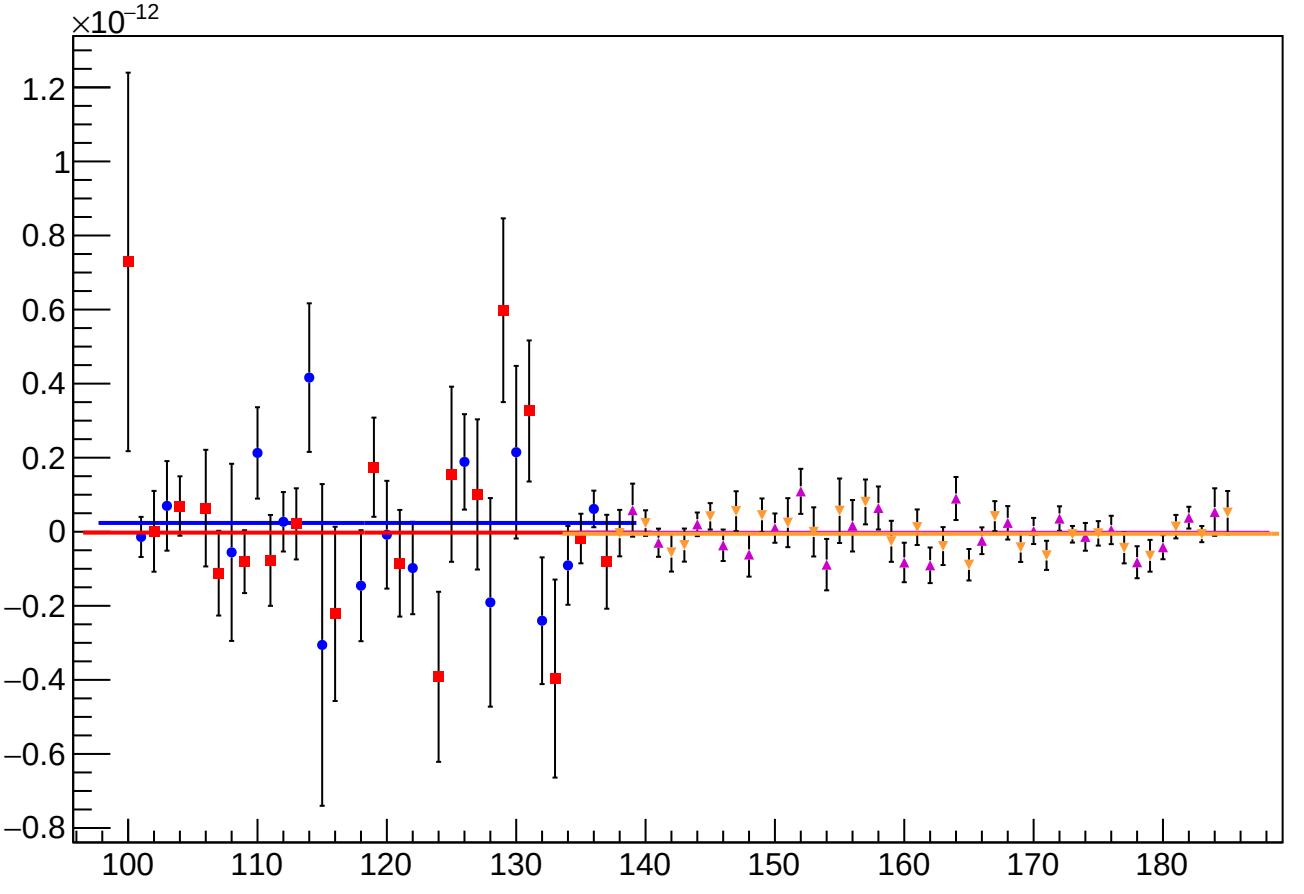
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 87.628+/-0.014 χ^2/NDF: 12156893.4/40

All: 87.958+/-0.010 χ^2/NDF: 21508434.9/82

- 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:22.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

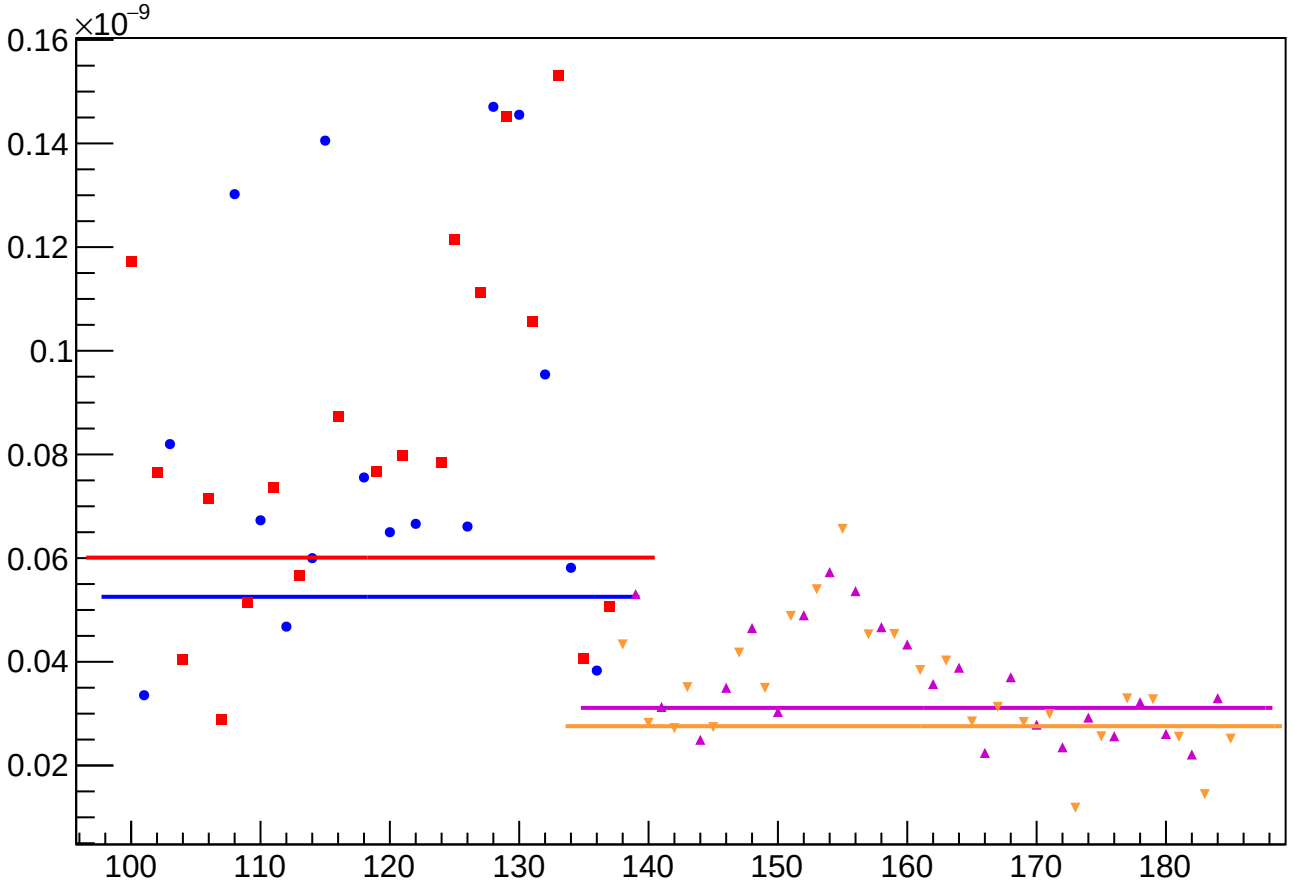
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.2/40

All: -0.000+/-0.000 χ^2/NDF: 90.9/82

- 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:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

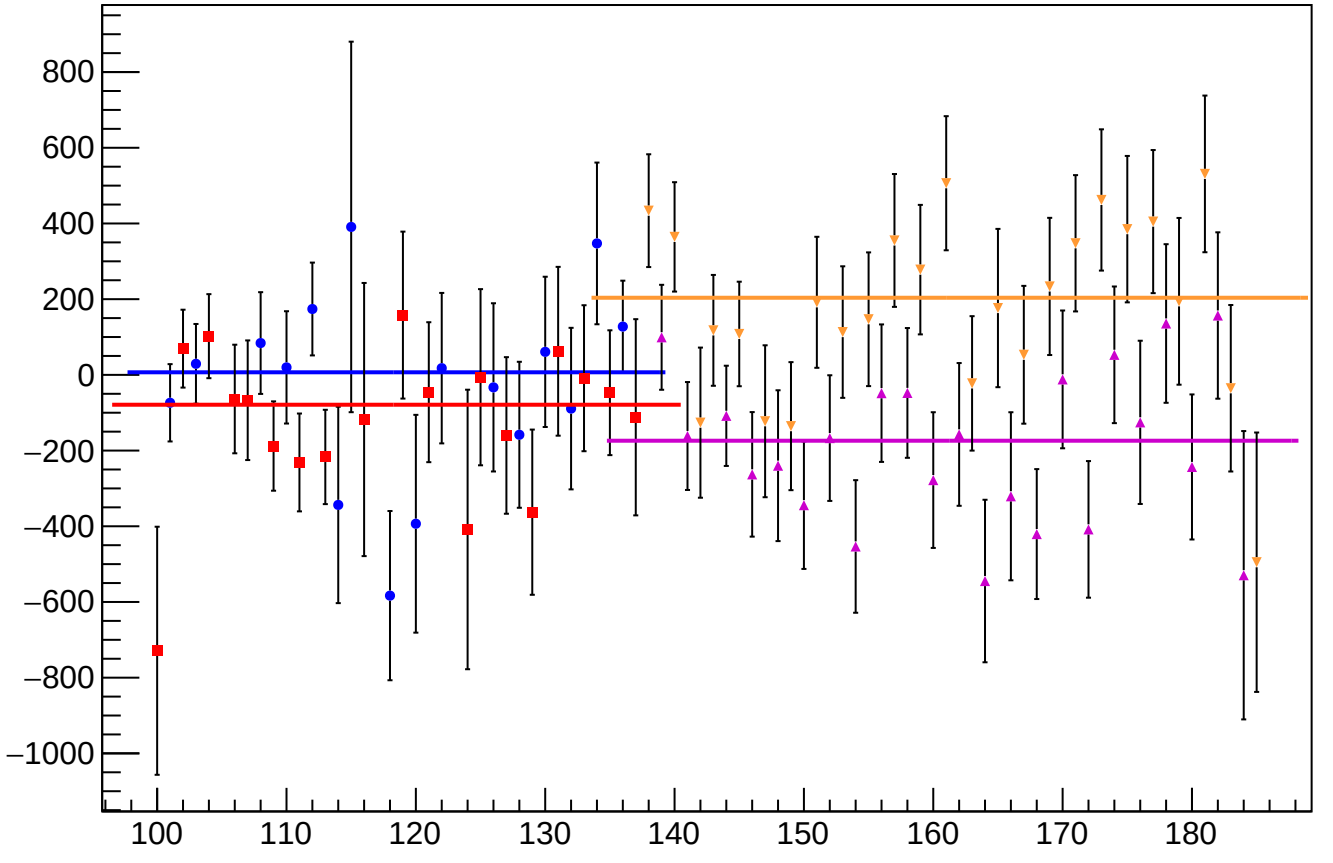
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7000372.8/40

All: 0.000+/-0.000 χ^2/NDF: 12550387.4/82

- 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: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

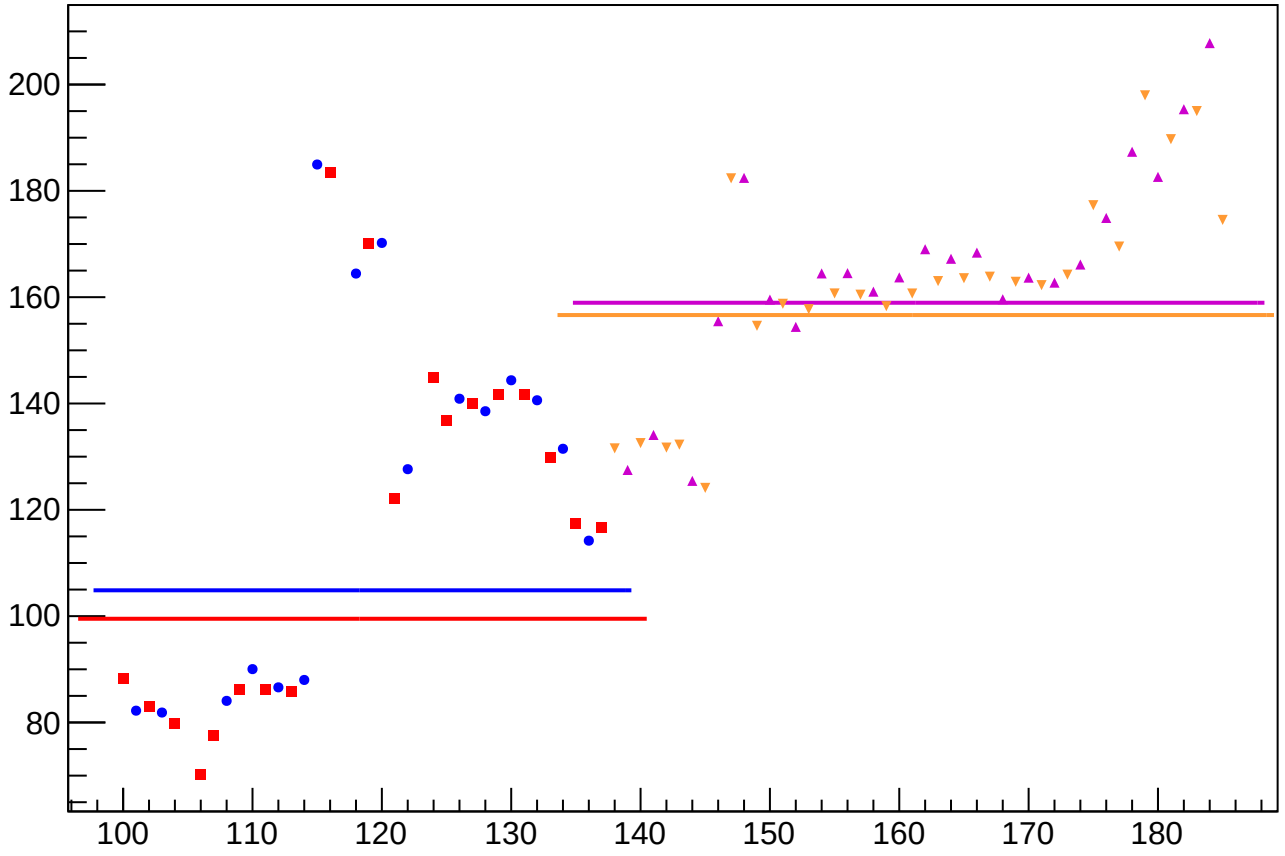
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 116.808+/-26.813 χ^2/NDF: 65.0/40

All: -5.983+/-18.893 χ^2/NDF: 151.0/82

- 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: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

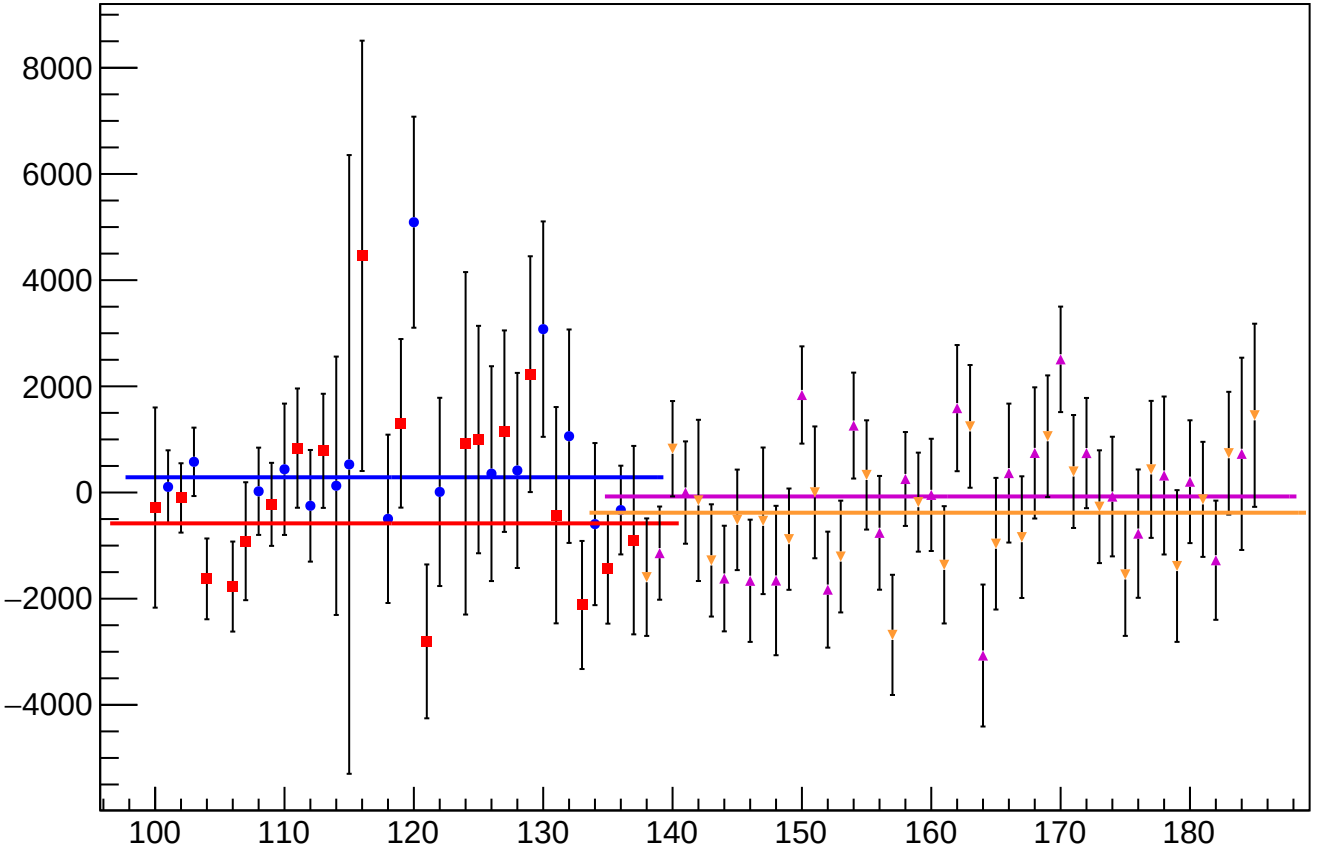
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 133.778+/-0.019 χ^2/NDF: 3352712.8/40

All: 131.687+/-0.013 χ^2/NDF: 7419176.1/82

- 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: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

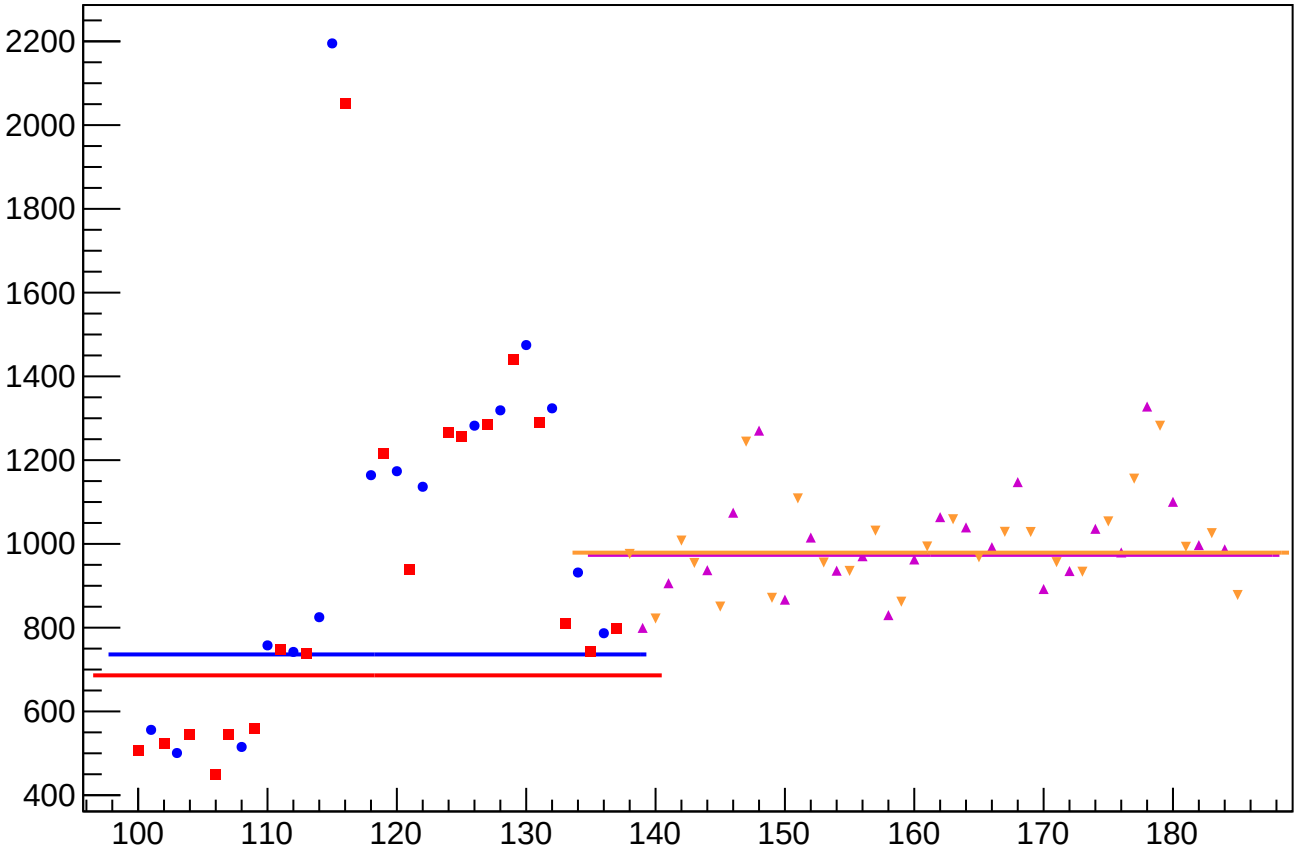
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -134.163+/-178.337 χ^2/NDF: 31.7/40

All: -212.321+/-124.882 χ^2/NDF: 85.9/82

- 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: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

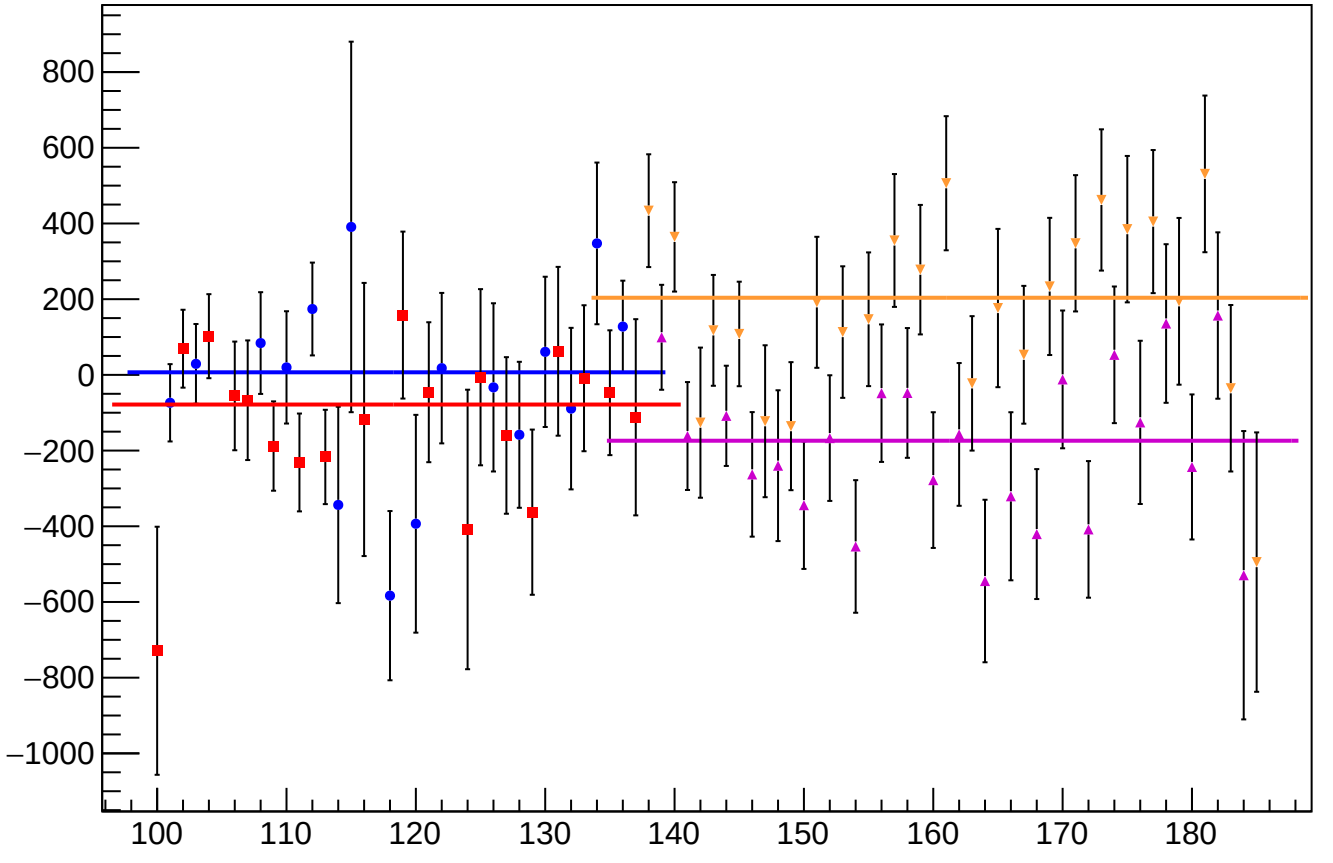
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 889.368+/-0.126 χ^2/NDF: 3139350.1/40

All: 870.755+/-0.088 χ^2/NDF: 6818188.9/82

- sign 852.846+/-0.124 χ^2/NDF: 3636088.9/41

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

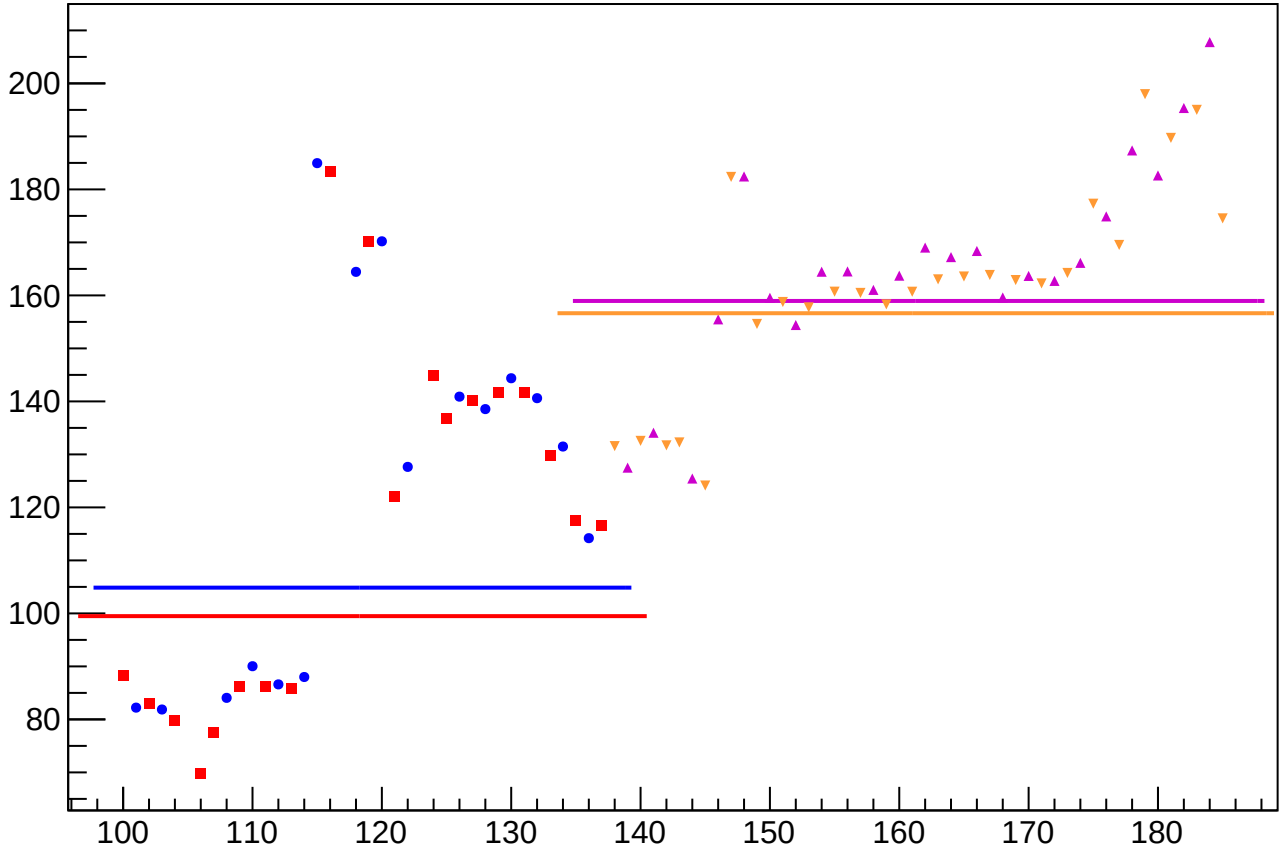
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.806+/-26.813 χ^2/NDF: 65.0/40

All: -5.850+/-18.893 χ^2/NDF: 151.0/82

- sign -126.802+/-26.626 χ^2/NDF: 44.4/41

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

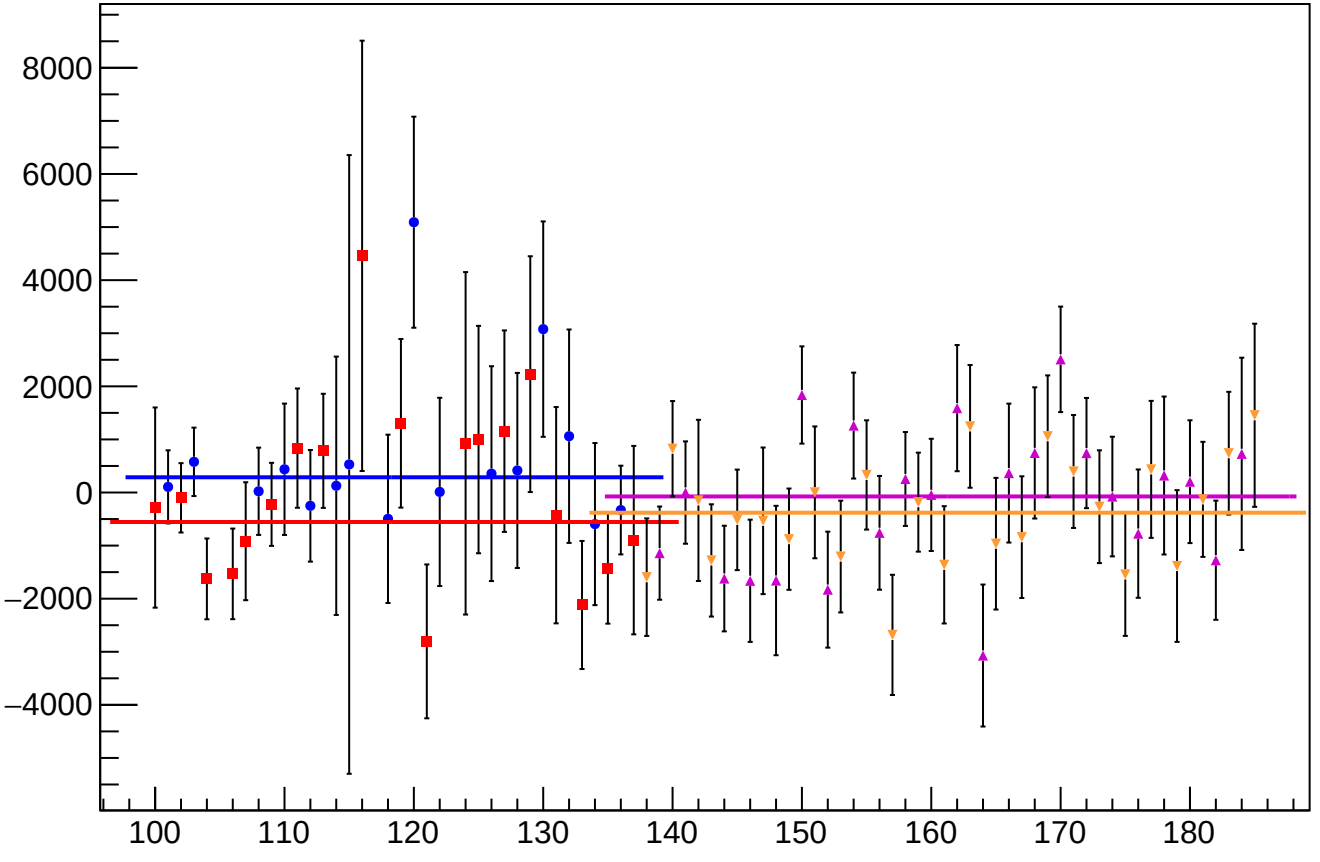
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.778+/-0.019 χ^2/NDF: 3352710.8/40

All: 131.682+/-0.013 χ^2/NDF: 7423297.6/82

- 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: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

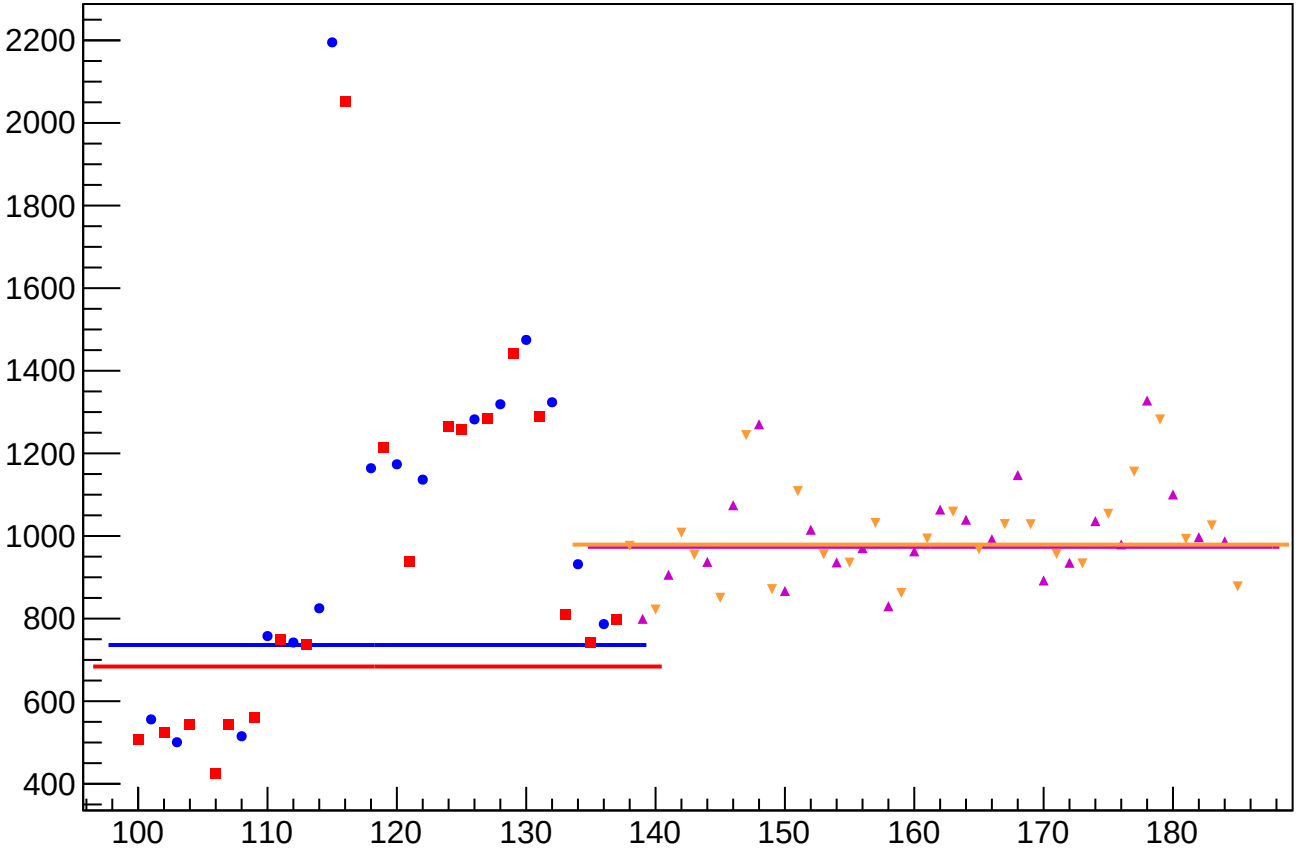
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -134.154+/-178.337 χ^2/NDF: 31.7/40

All: -206.693+/-124.899 χ^2/NDF: 84.9/82

- 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: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

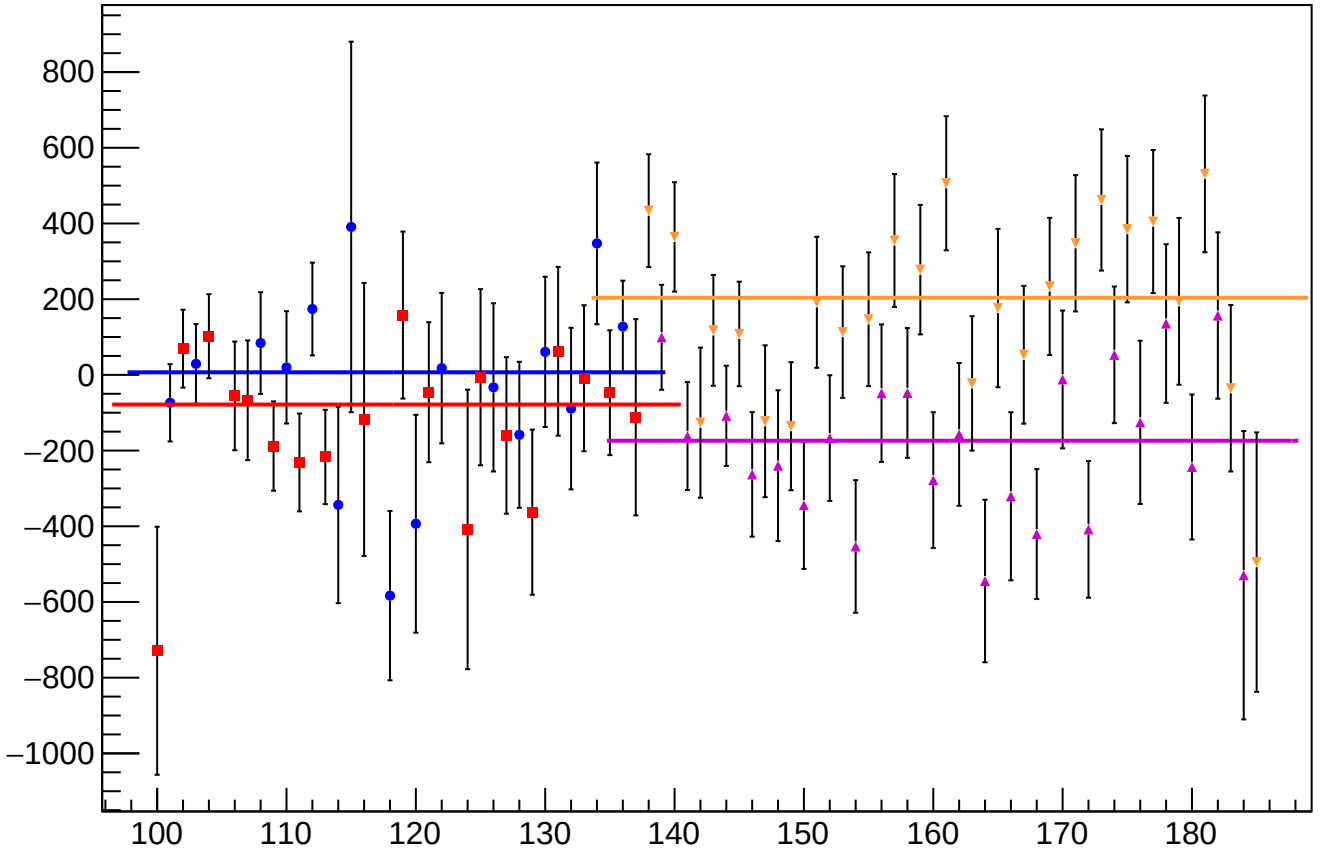
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 889.368+/-0.126 χ^2/NDF: 3139357.1/40

All: 870.352+/-0.088 χ^2/NDF: 6869853.3/82

- sign 852.044+/-0.124 χ^2/NDF: 3685862.4/41

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

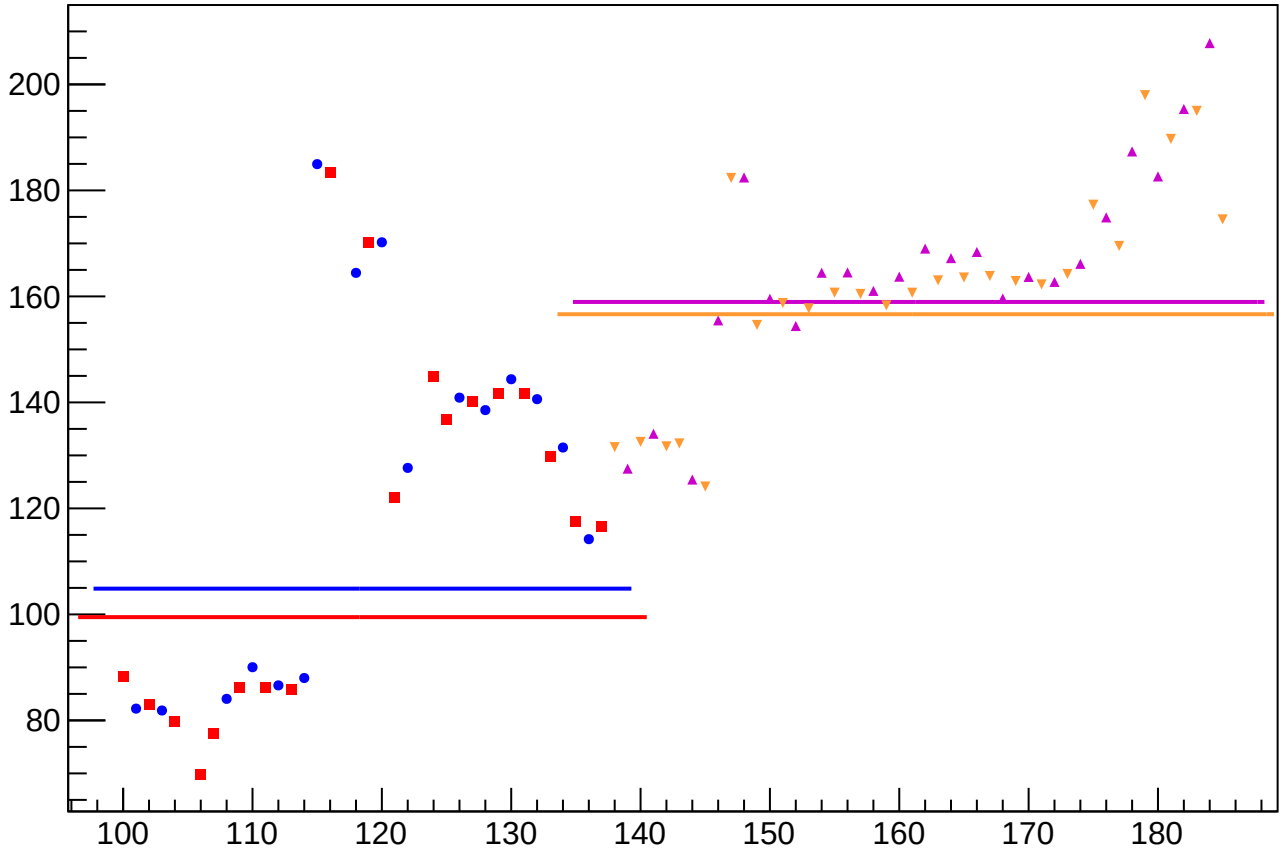
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.806+/-26.813 χ^2/NDF: 65.0/40

All: -5.850+/-18.893 χ^2/NDF: 151.0/82

- sign -126.802+/-26.626 χ^2/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: 156.638+/-0.025 χ^2/NDF:582414.5/24

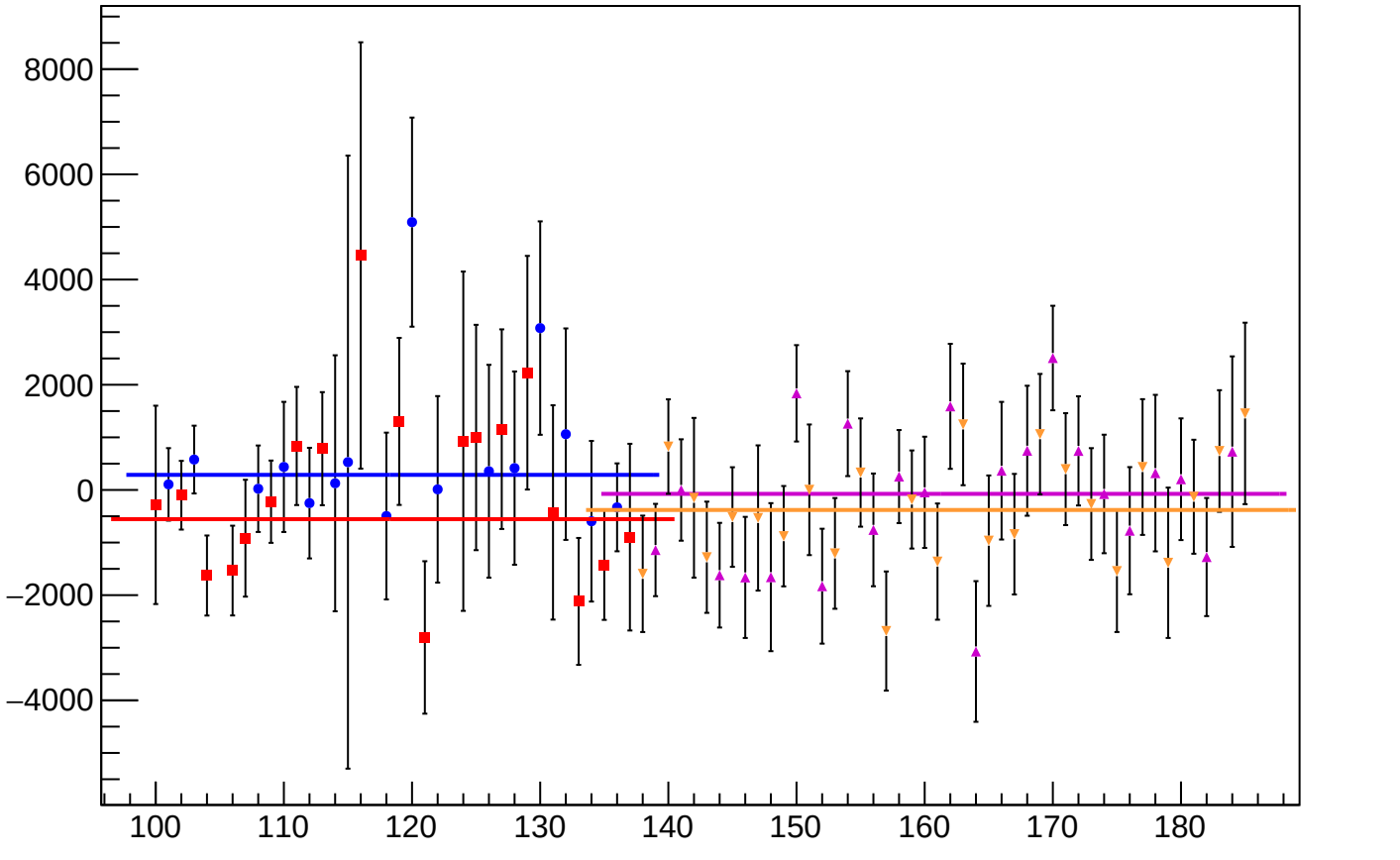
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.778+/-0.019 χ^2/NDF: 3352710.8/40

All: 131.682+/-0.013 χ^2/NDF: 7423297.6/82

- sign 129.615+/-0.019 χ^2/NDF: 4046311.7/41



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

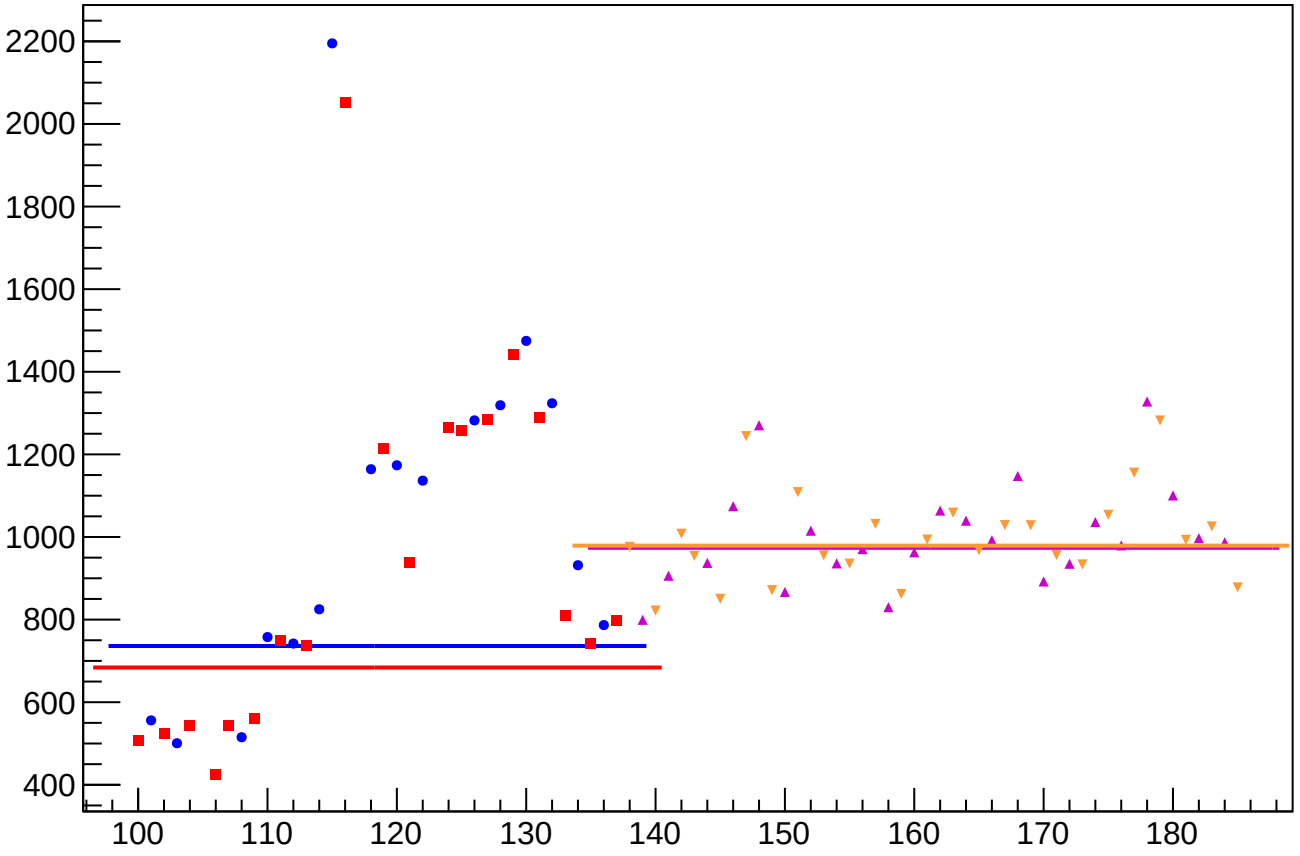
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -134.154+/-178.337 χ^2/NDF: 31.7/40

All: -206.693+/-124.899 χ^2/NDF: 84.9/82

- 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: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

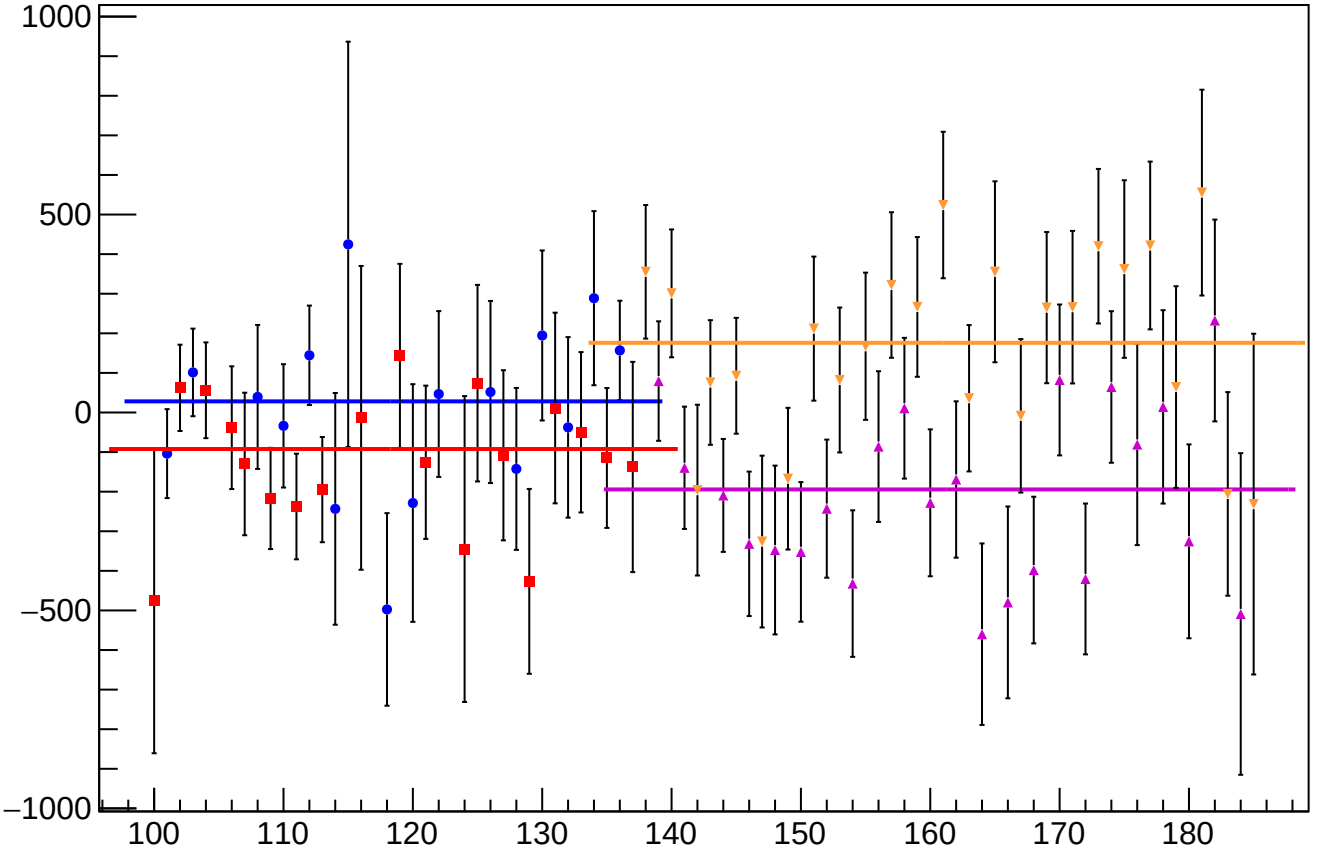
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 889.368+/-0.126 χ^2/NDF: 3139357.1/40

All: 870.352+/-0.088 χ^2/NDF: 6869853.3/82

- 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: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

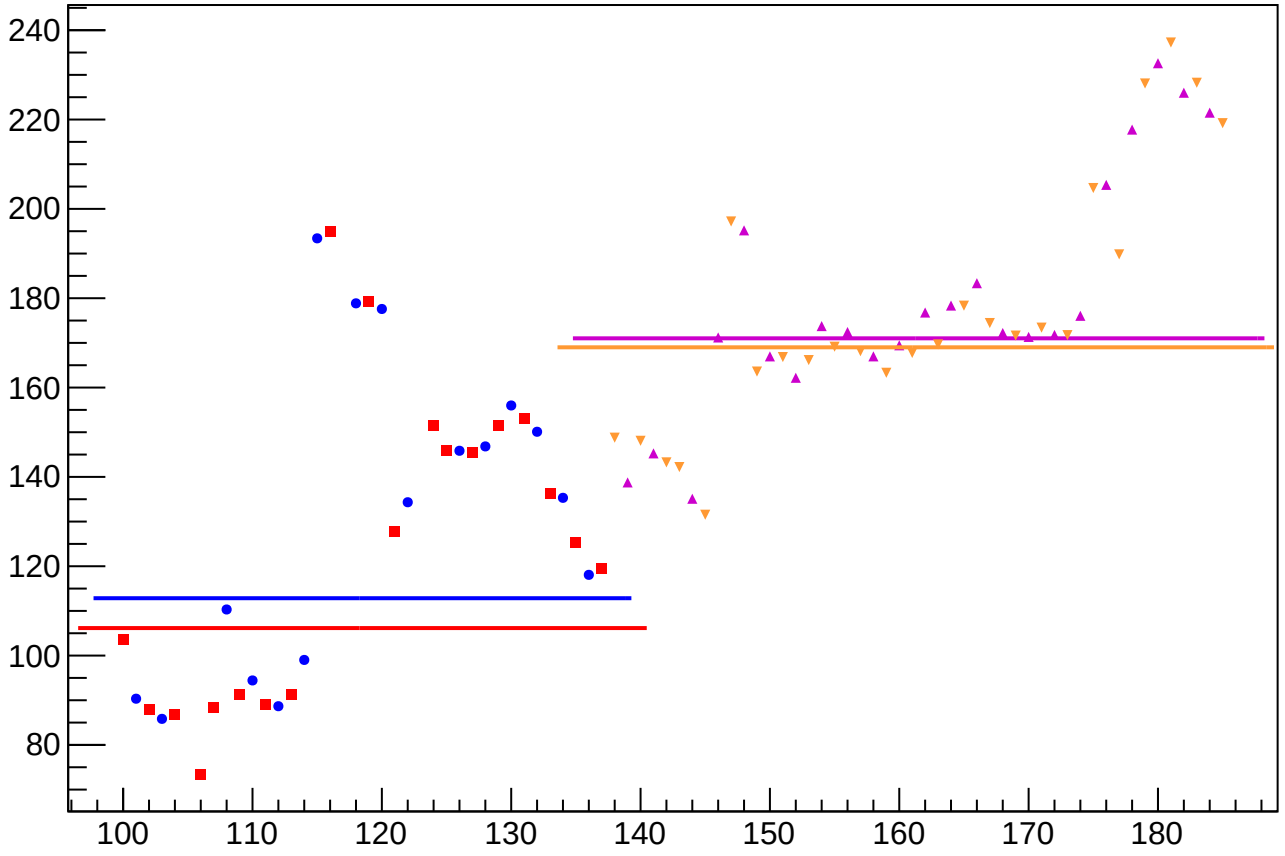
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.299+/-28.953 χ^2/NDF: 50.8/40

All: -18.102+/-20.351 χ^2/NDF: 128.4/82

- 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: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

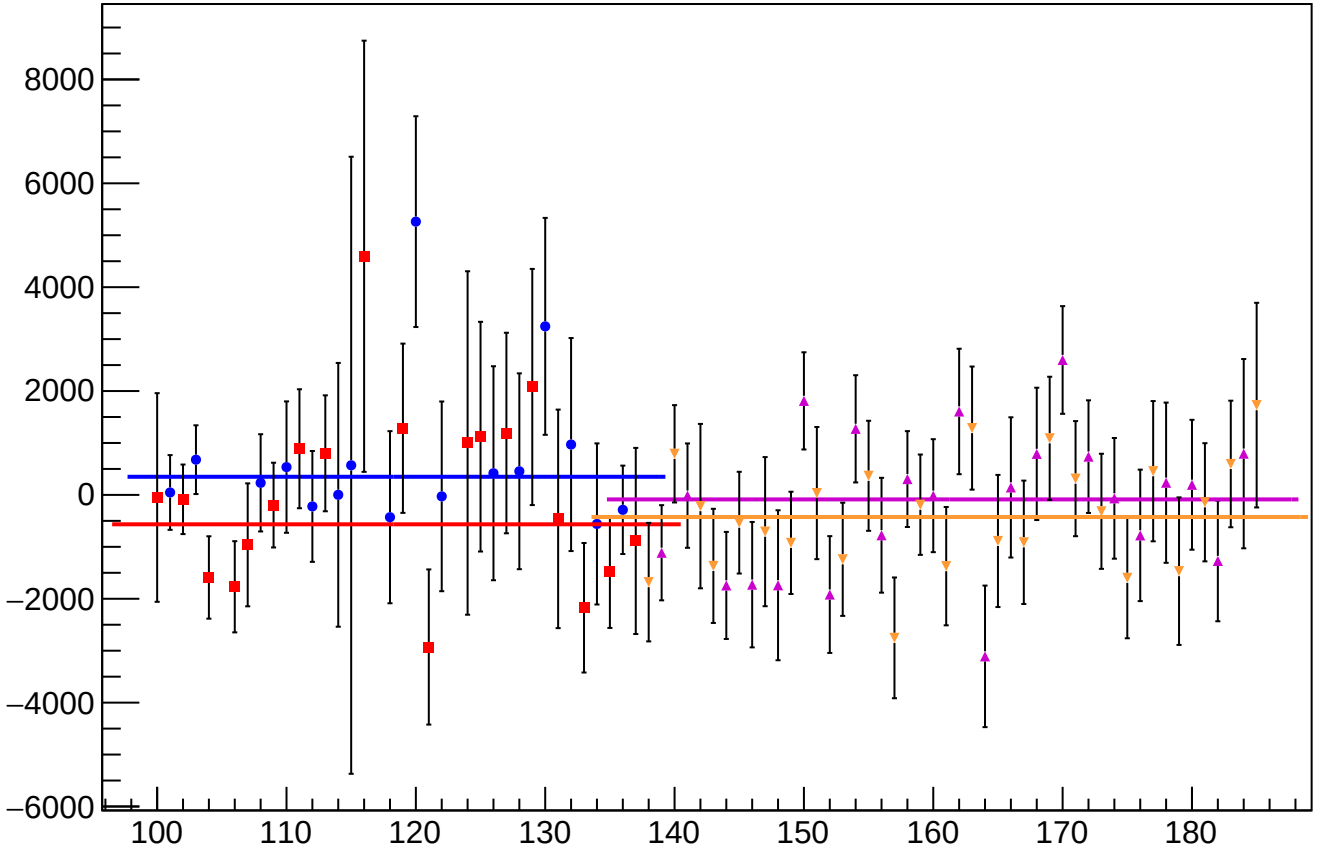
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 144.057+/-0.020 χ^2/NDF: 3504434.7/40

All: 141.354+/-0.014 χ^2/NDF: 7788989.7/82

- 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: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

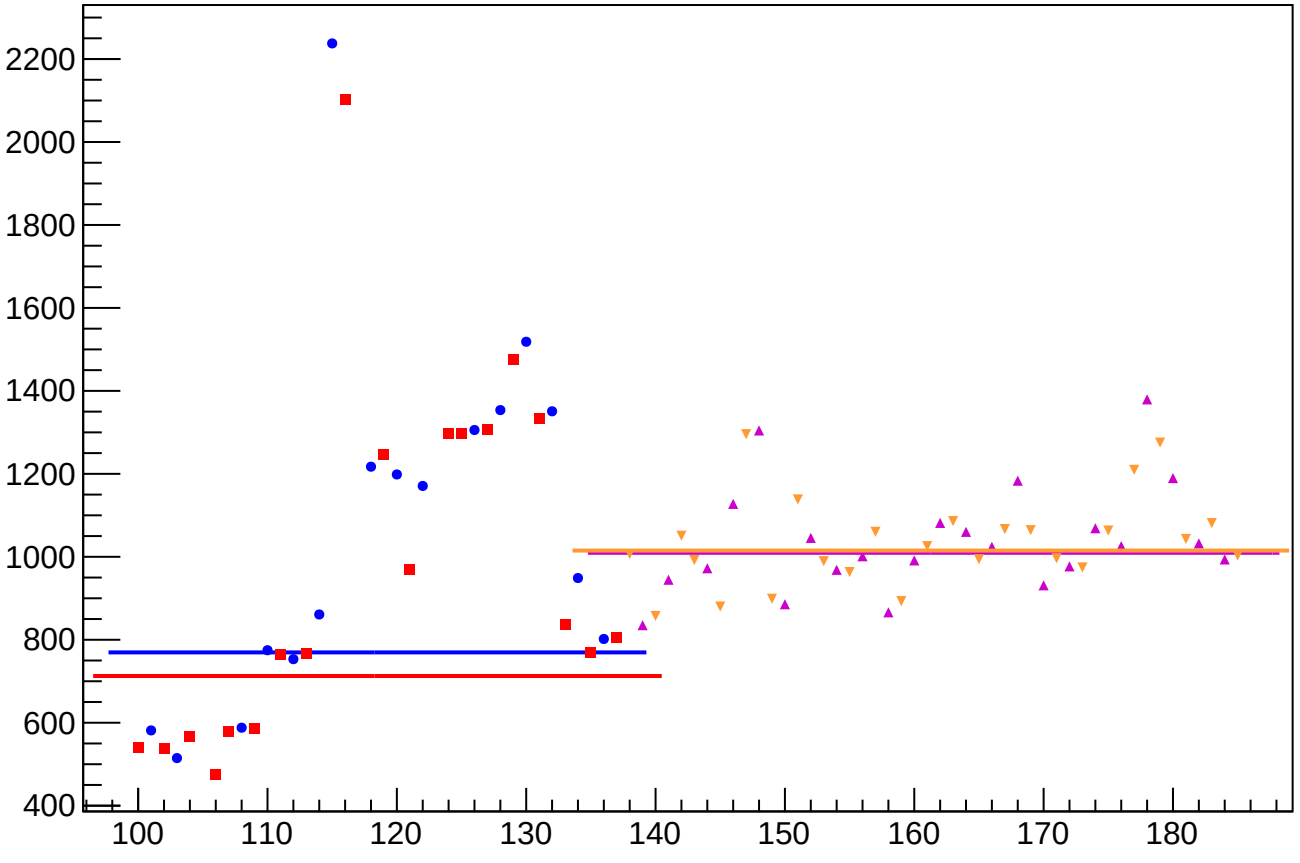
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -141.304+/-185.007 χ^2/NDF: 32.3/40

All: -216.399+/-129.451 χ^2/NDF: 85.0/82

- 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: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

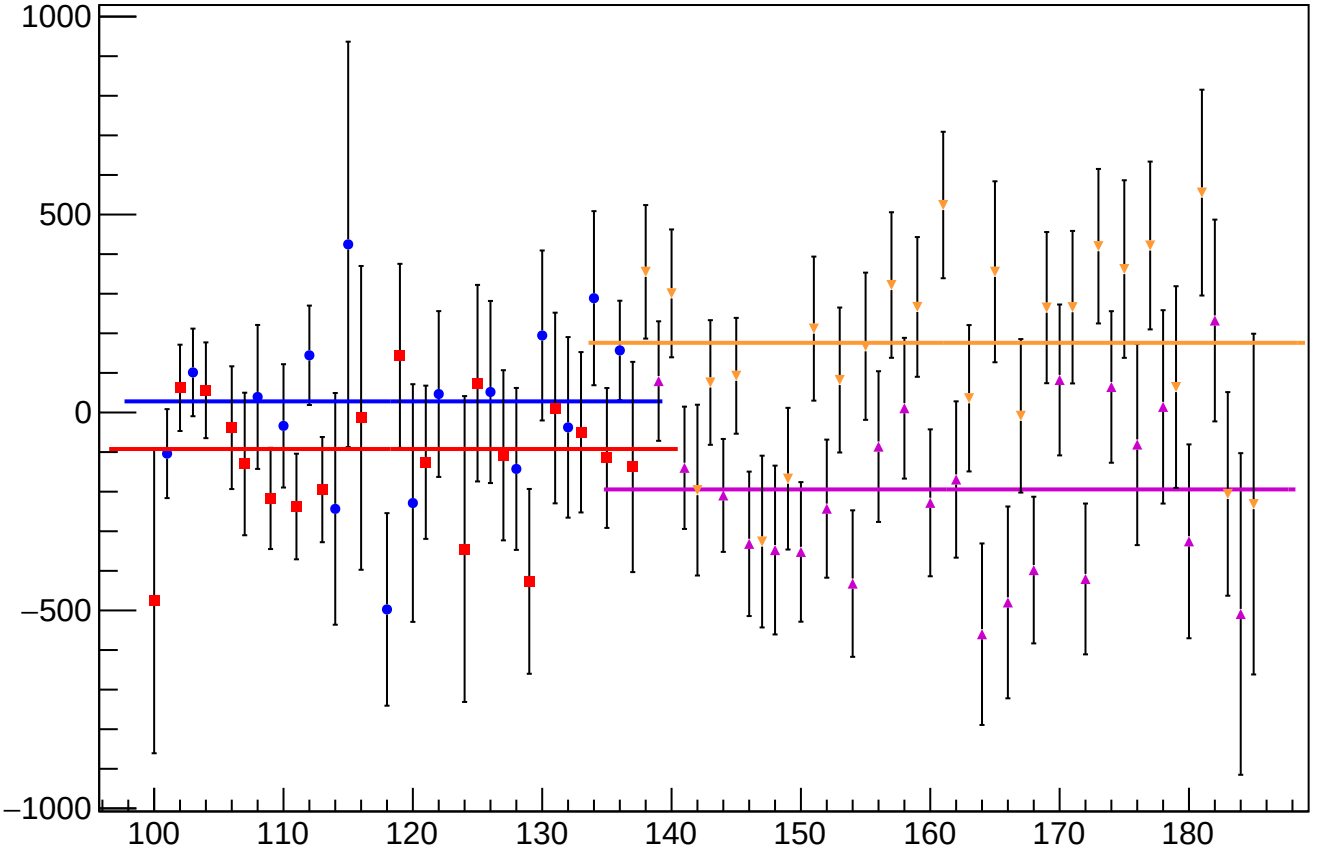
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 924.915+/-0.131 χ^2/NDF: 2956108.0/40

All: 904.328+/-0.092 χ^2/NDF: 6580925.5/82

- 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: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

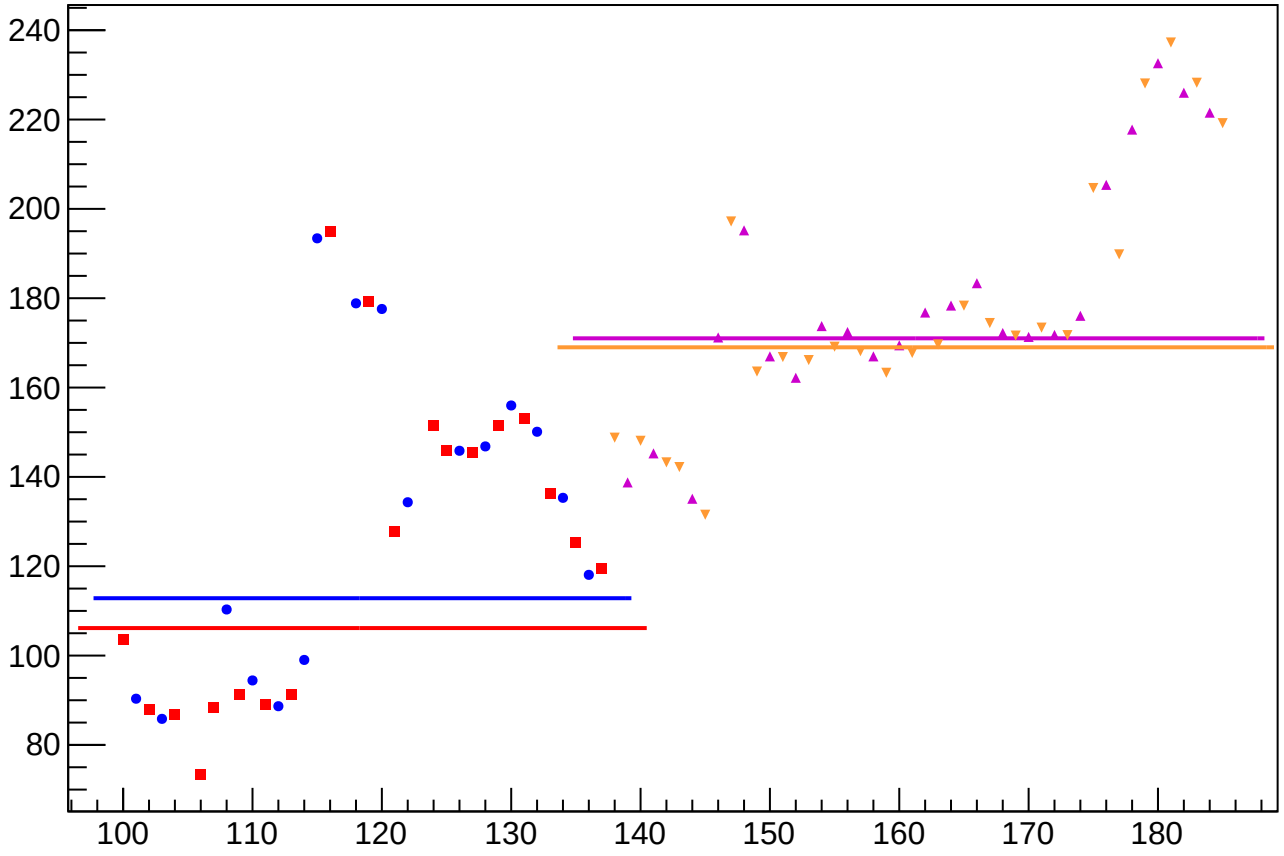
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.298+/-28.953 χ^2/NDF: 50.8/40

All: -18.102+/-20.351 χ^2/NDF: 128.4/82

- 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: 169.009+/-0.027 χ^2/NDF:773925.9/24

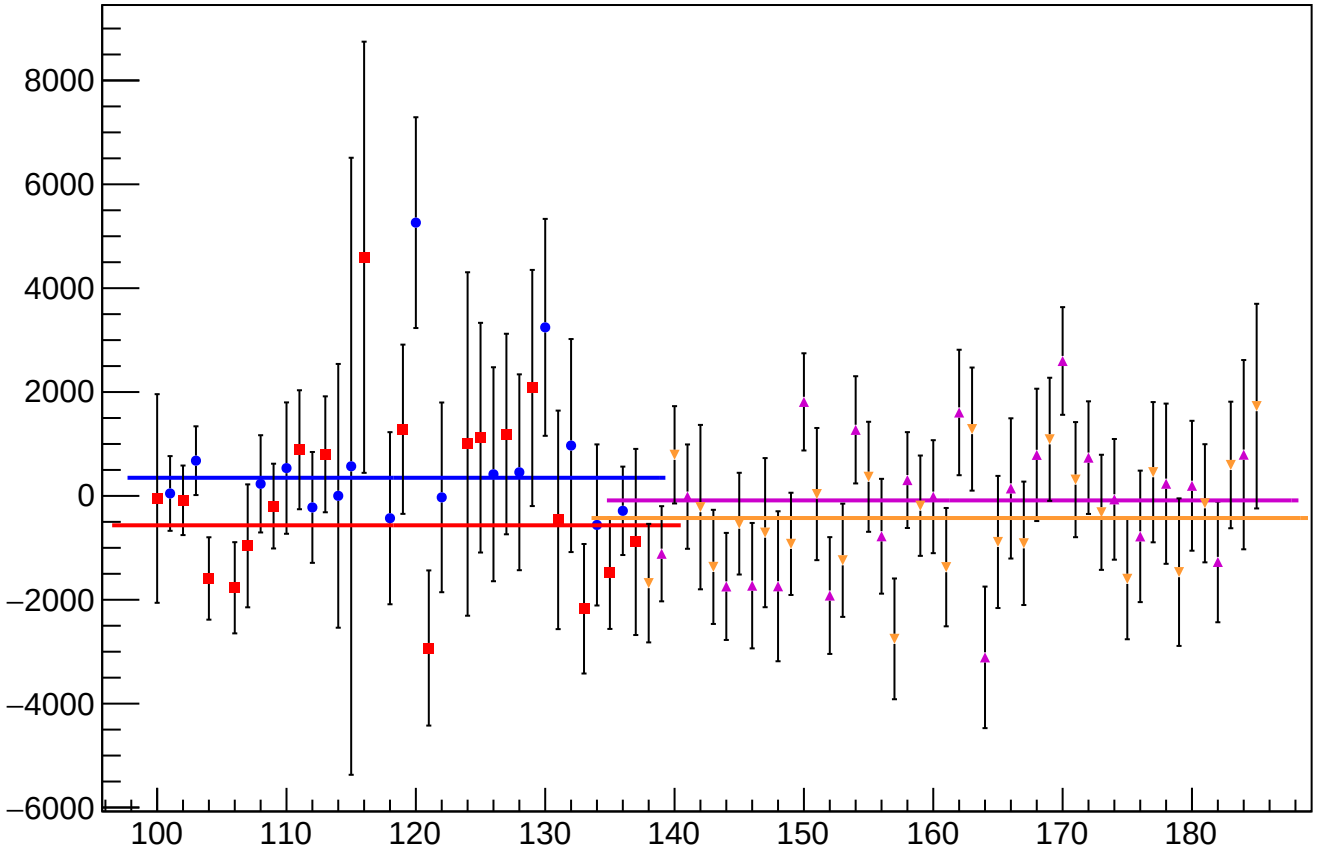
Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 144.057+/-0.020 χ^2/NDF: 3504448.6/40

All: 141.354+/-0.014 χ^2/NDF: 7789021.4/82

- 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: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

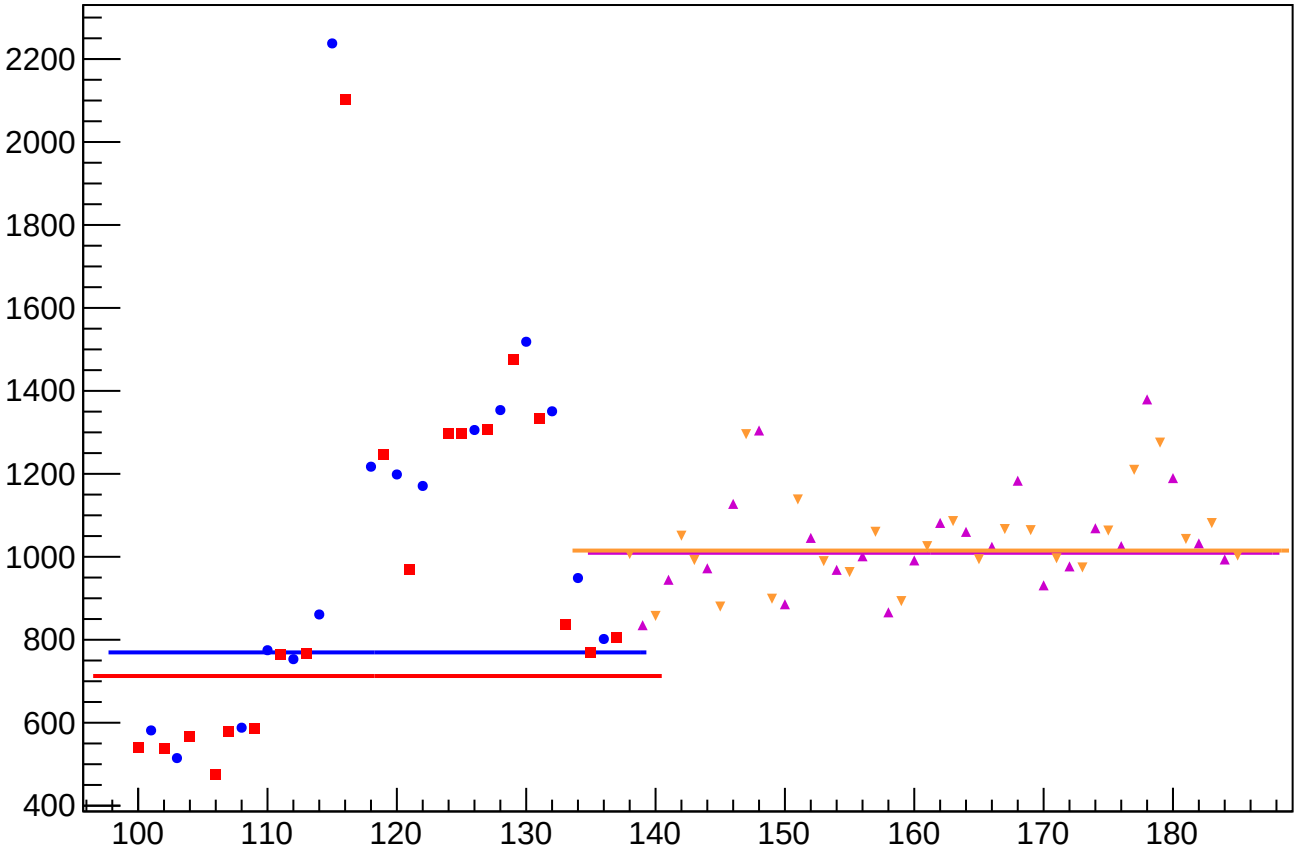
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

\+ sign -141.303+/-185.007 χ^2/NDF: 32.3/40

All: -216.399+/-129.451 χ^2/NDF: 85.0/82

\- 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: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

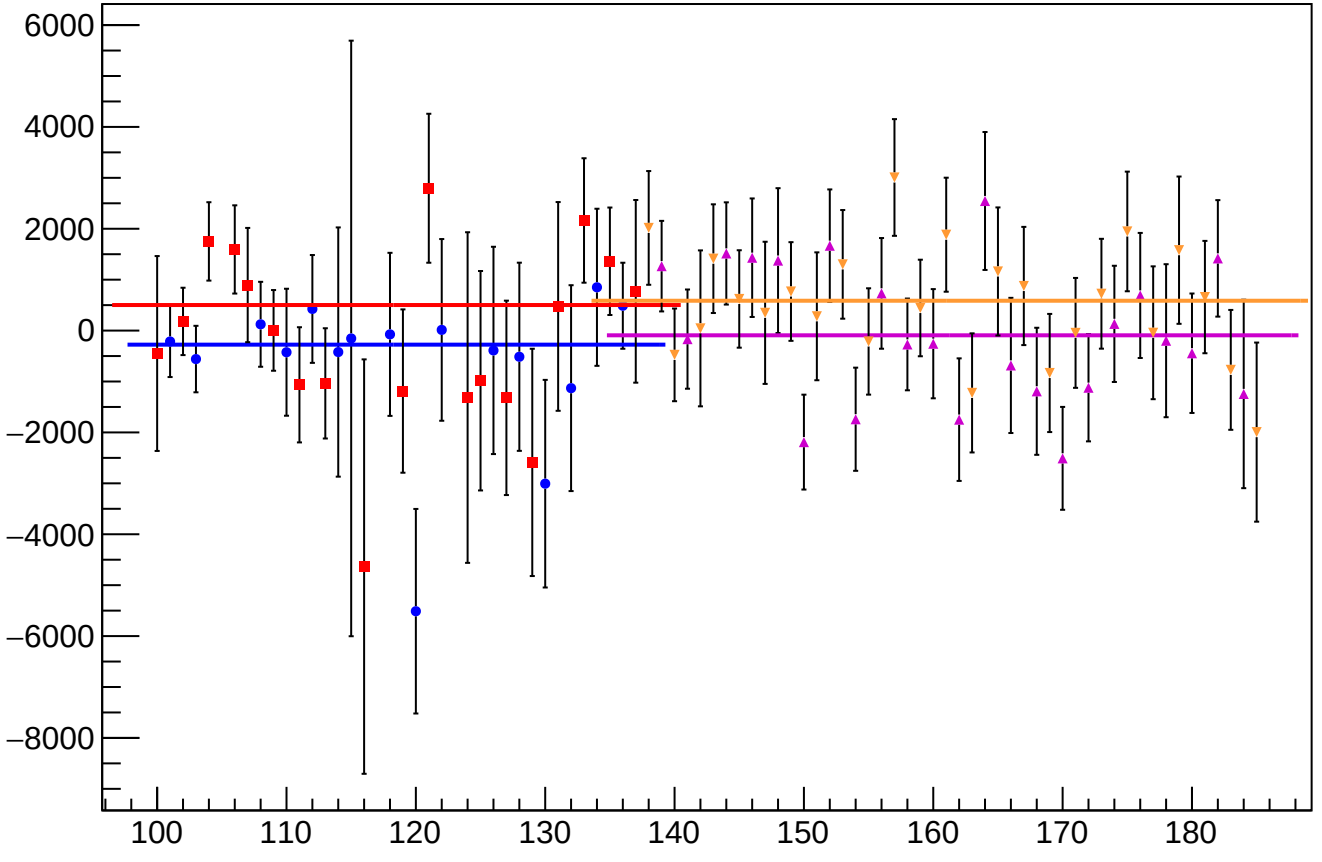
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 924.915+/-0.131 χ^2/NDF: 2956119.6/40

All: 904.328+/-0.092 χ^2/NDF: 6580952.7/82

- 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: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

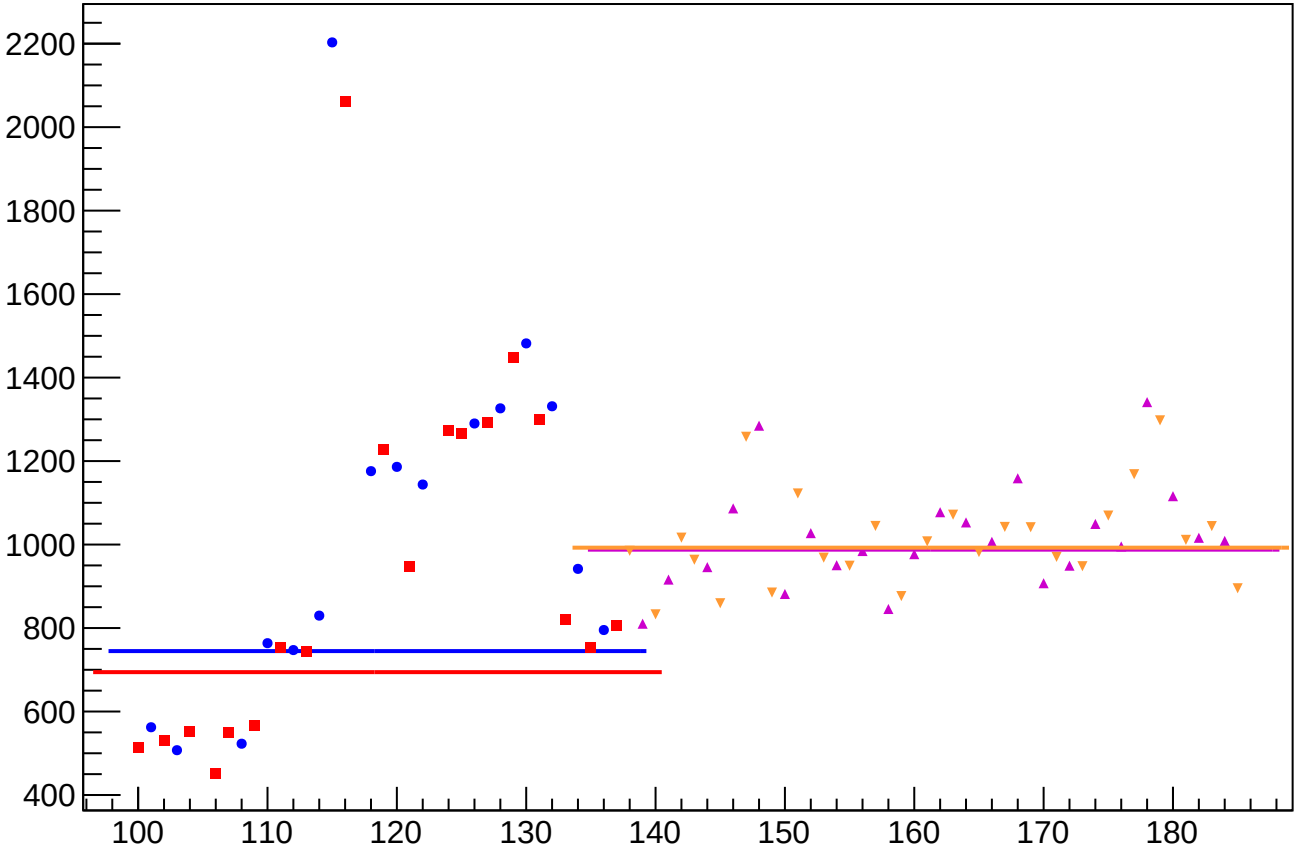
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 266.750+/-180.581 χ^2/NDF: 37.1/40

All: 211.340+/-126.490 χ^2/NDF: 95.1/82

- 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: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

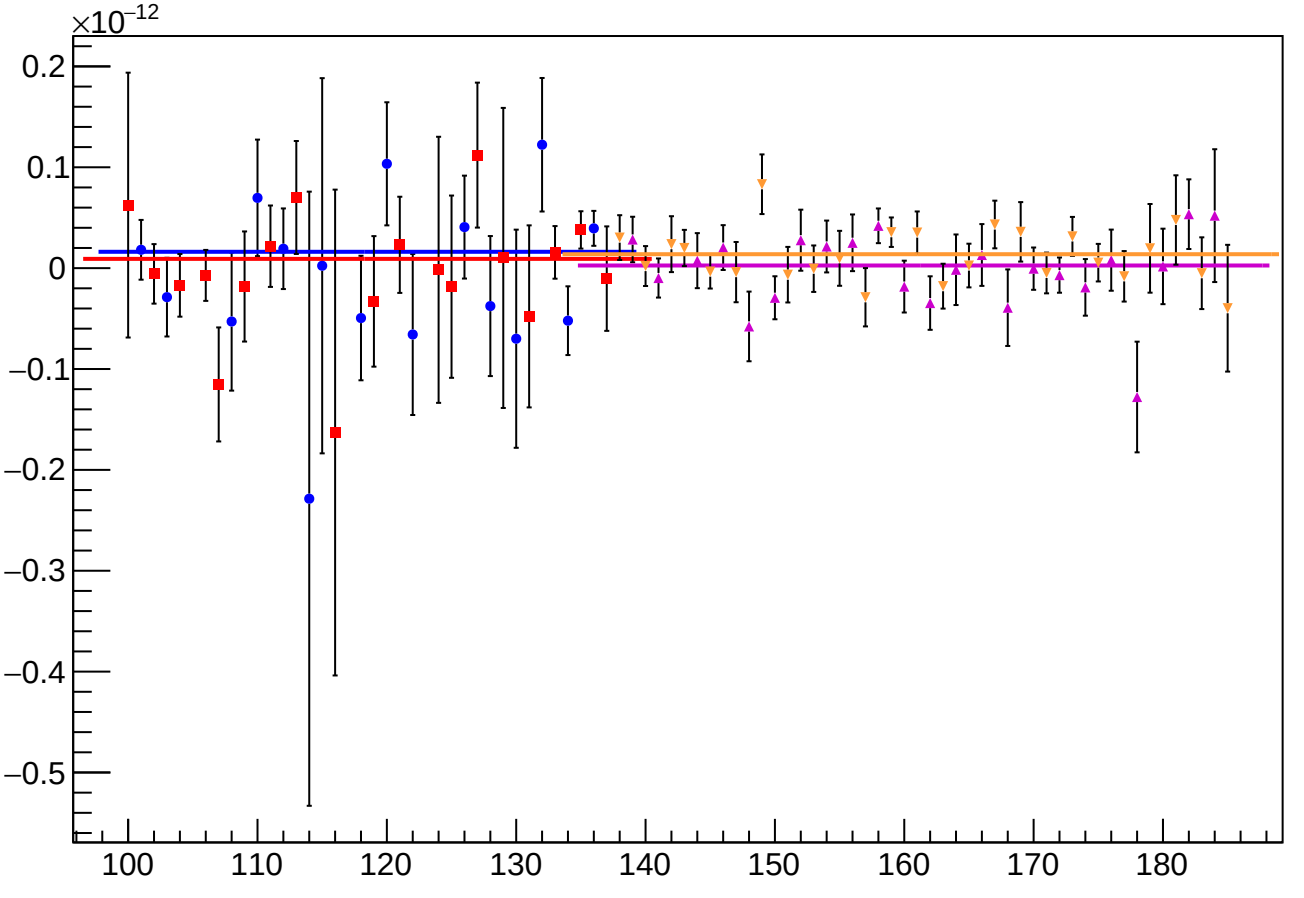
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 900.773+/-0.128 χ^2/NDF: 3125488.1/40

All: 882.095+/-0.089 χ^2/NDF: 6795776.0/82

- 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:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

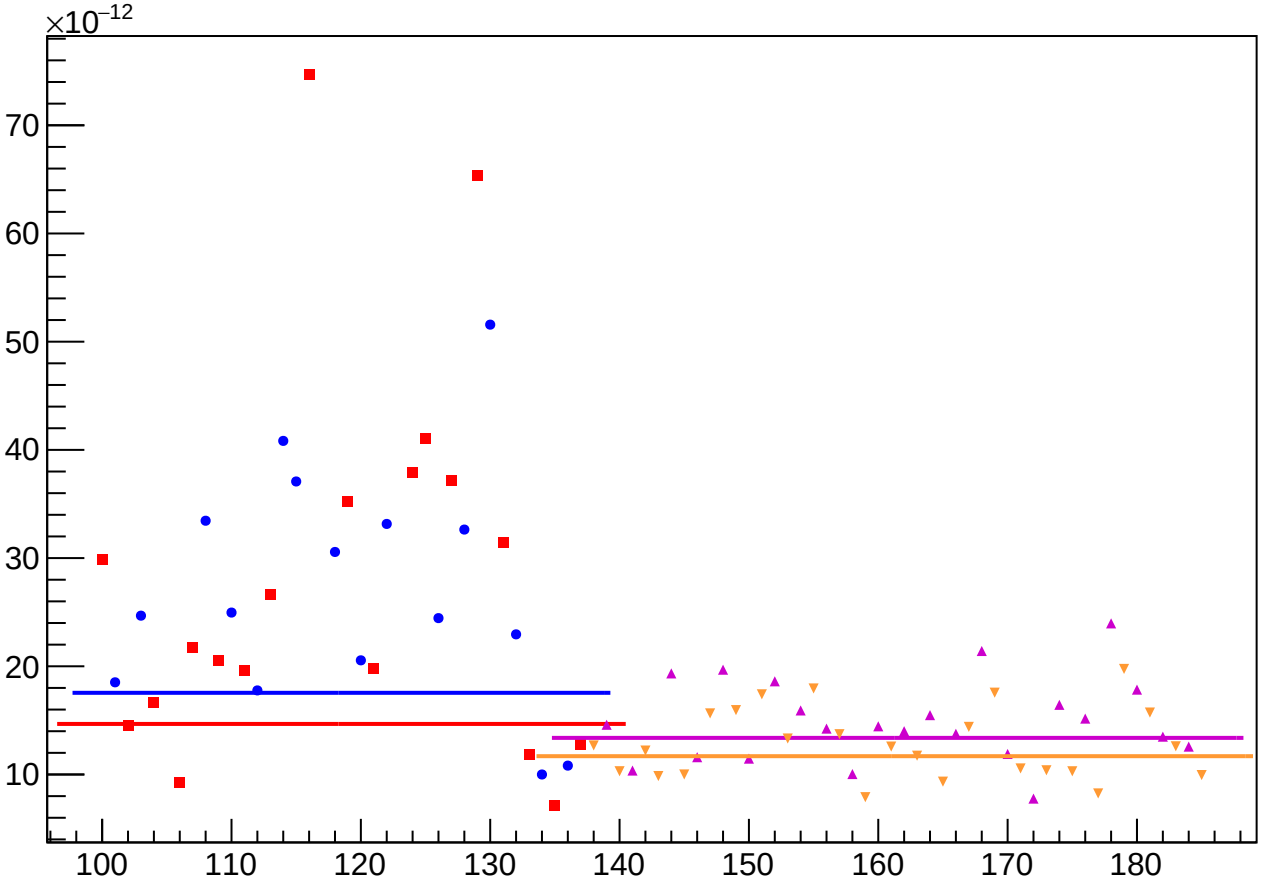
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/40

All: 0.000+/-0.000 χ^2/NDF: 86.2/82

- sign 0.000+/-0.000 χ^2/NDF: 42.6/41

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

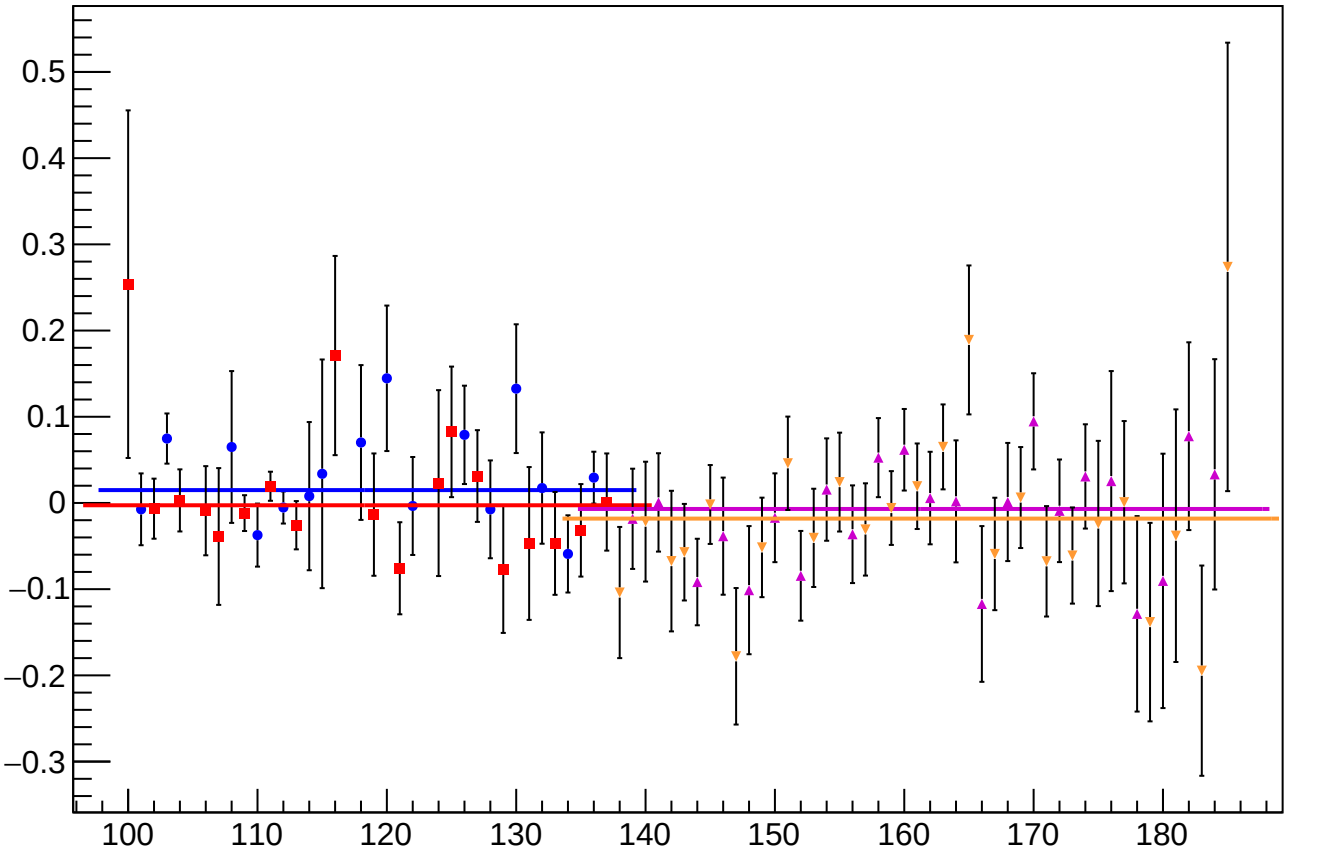
Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2424359.0/40

All: 0.000+/-0.000 χ^2/NDF: 5106427.0/82

- sign 0.000+/-0.000 χ^2/NDF: 2623726.2/41



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

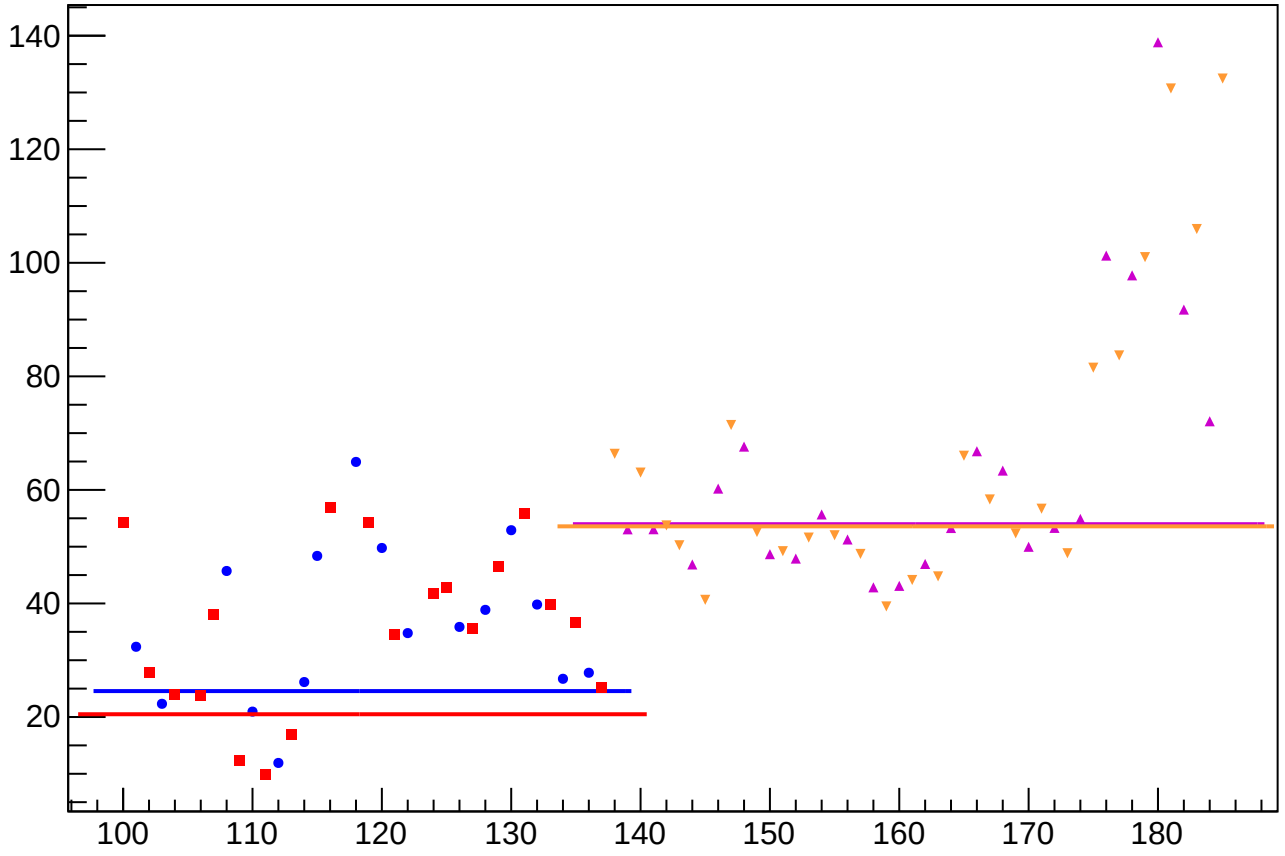
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 46.1/40

All: -0.002+/-0.006 χ^2/NDF: 77.5/82

- 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: 53.582+/-0.009 χ^2/NDF:2642509.0/24

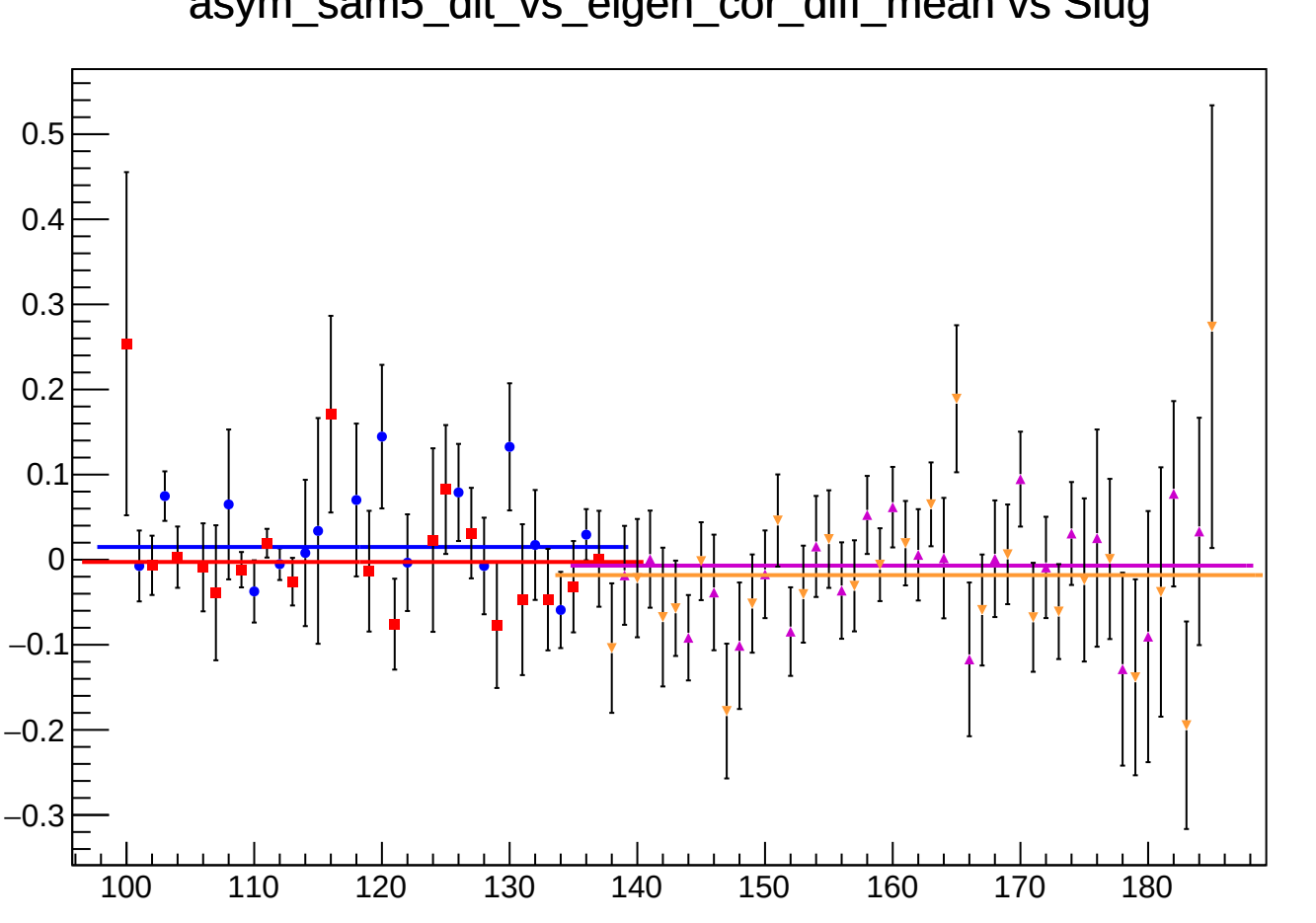
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.352+/-0.006 χ^2/NDF: 11229070.2/40

All: 33.732+/-0.004 χ^2/NDF: 25882316.2/82

- sign 31.481+/-0.005 χ^2/NDF: 14269705.6/41



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

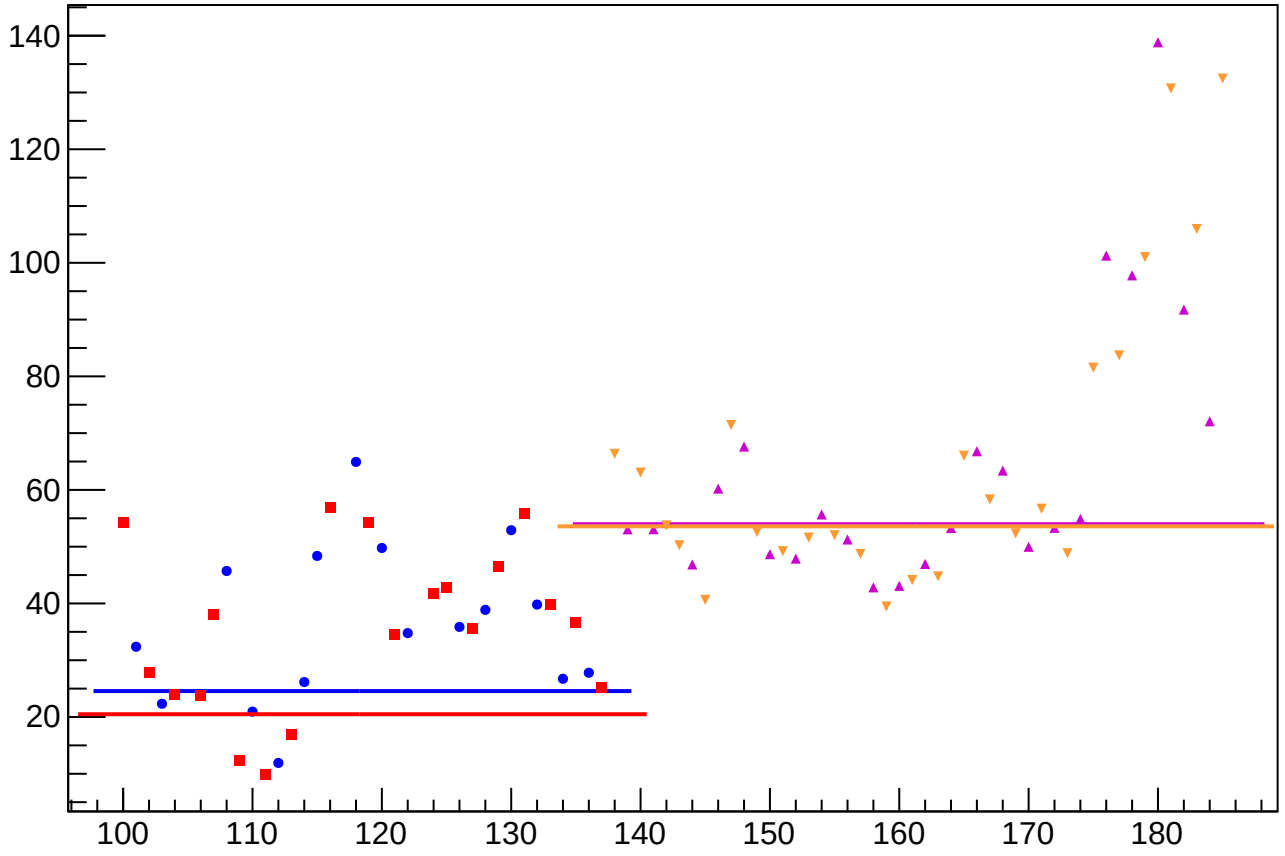
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 46.1/40

All: -0.002+/-0.006 χ^2/NDF: 77.5/82

- 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: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

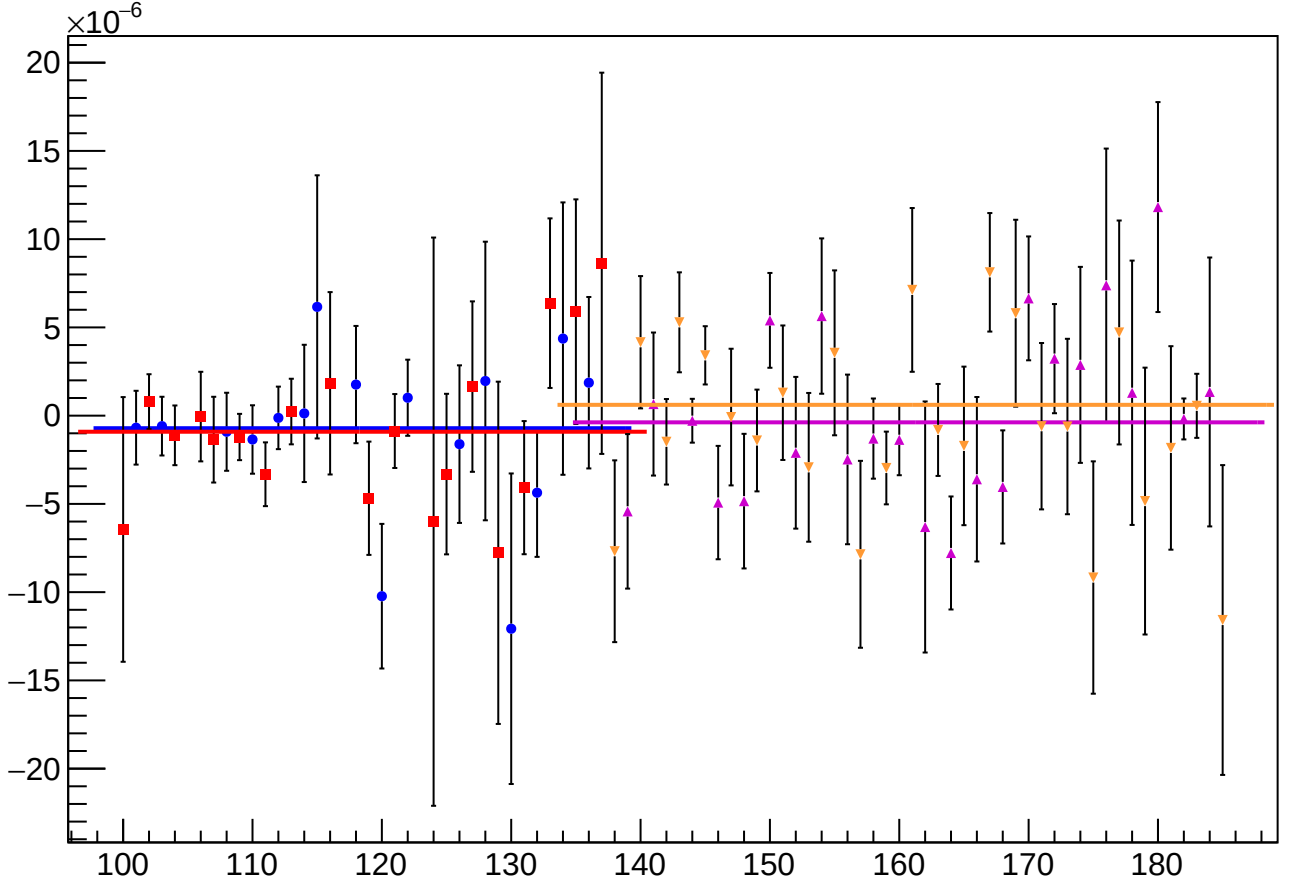
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.352+/-0.006 χ^2/NDF: 11229070.2/40

All: 33.732+/-0.004 χ^2/NDF: 25882316.2/82

- sign 31.481+/-0.005 χ^2/NDF: 14269705.6/41

asym_sam5_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:31.0/24

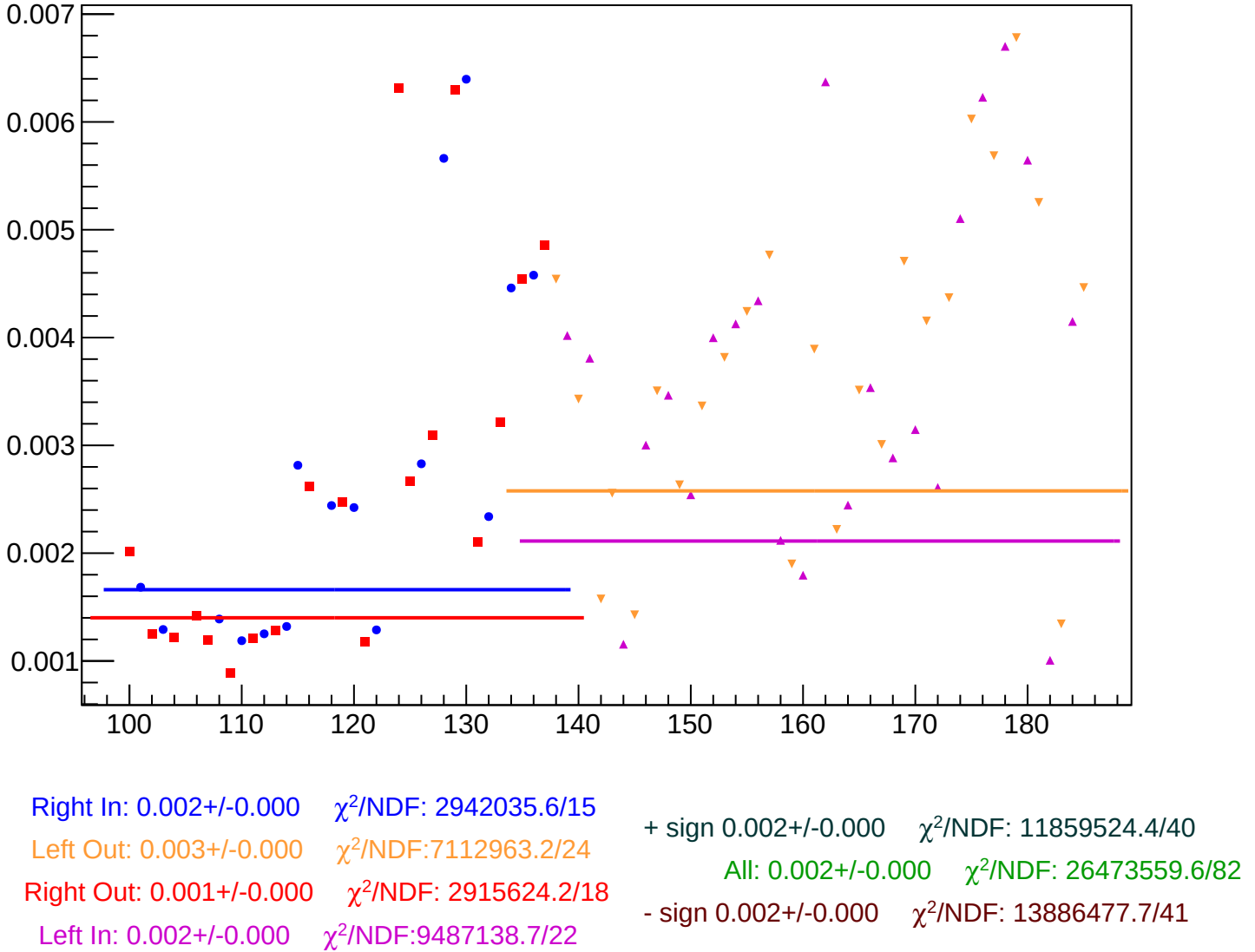
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

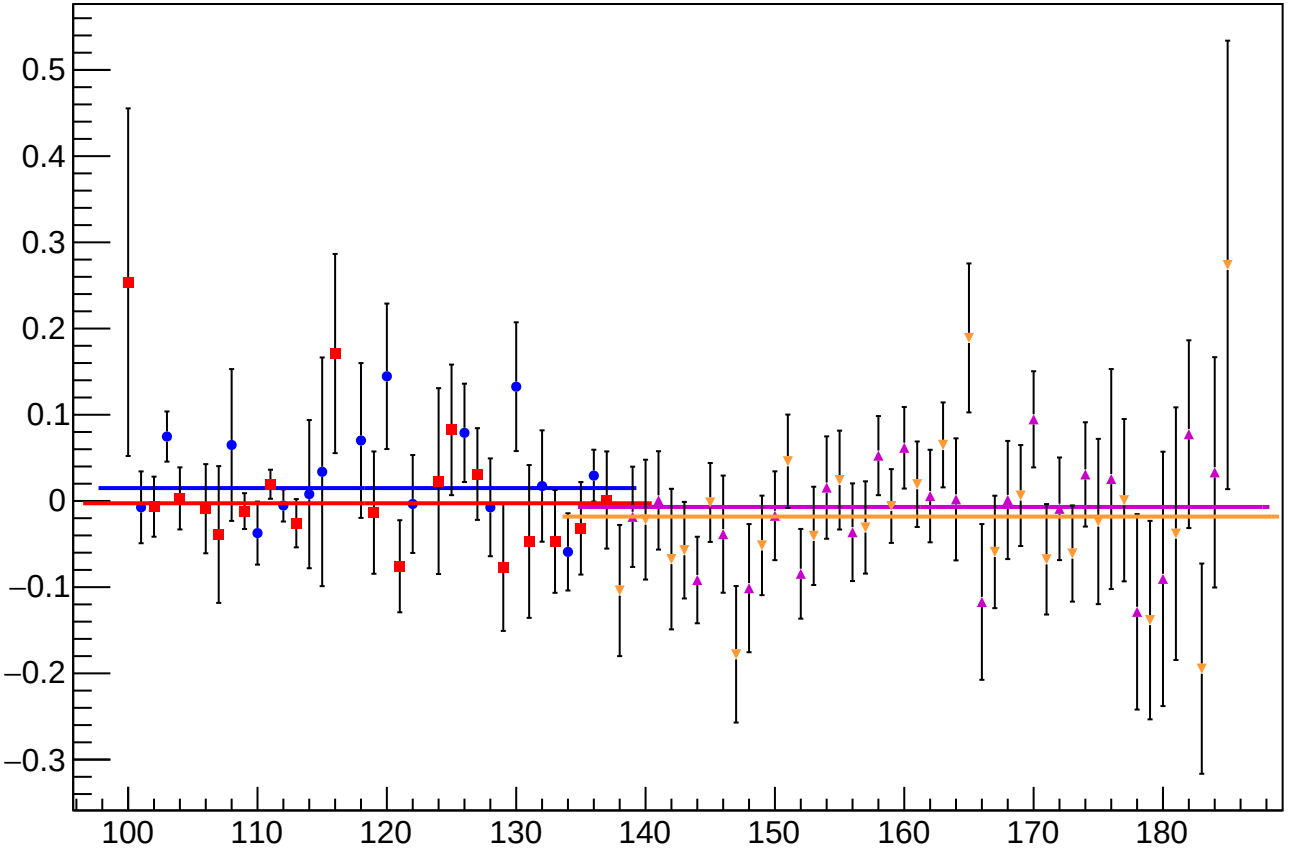
+ sign -0.000+/-0.000 χ^2/NDF: 44.1/40

All: -0.000+/-0.000 χ^2/NDF: 88.3/82

- sign -0.000+/-0.000 χ^2/NDF: 43.2/41


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug
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: 2942035.6/15
Left Out: 0.003+/-0.000 χ²/NDF:7112963.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:9487138.7/22
+ sign 0.002+/-0.000 χ²/NDF: 11859524.4/40
All: 0.002+/-0.000 χ²/NDF: 26473559.6/82
- sign 0.002+/-0.000 χ²/NDF: 13886477.7/41

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

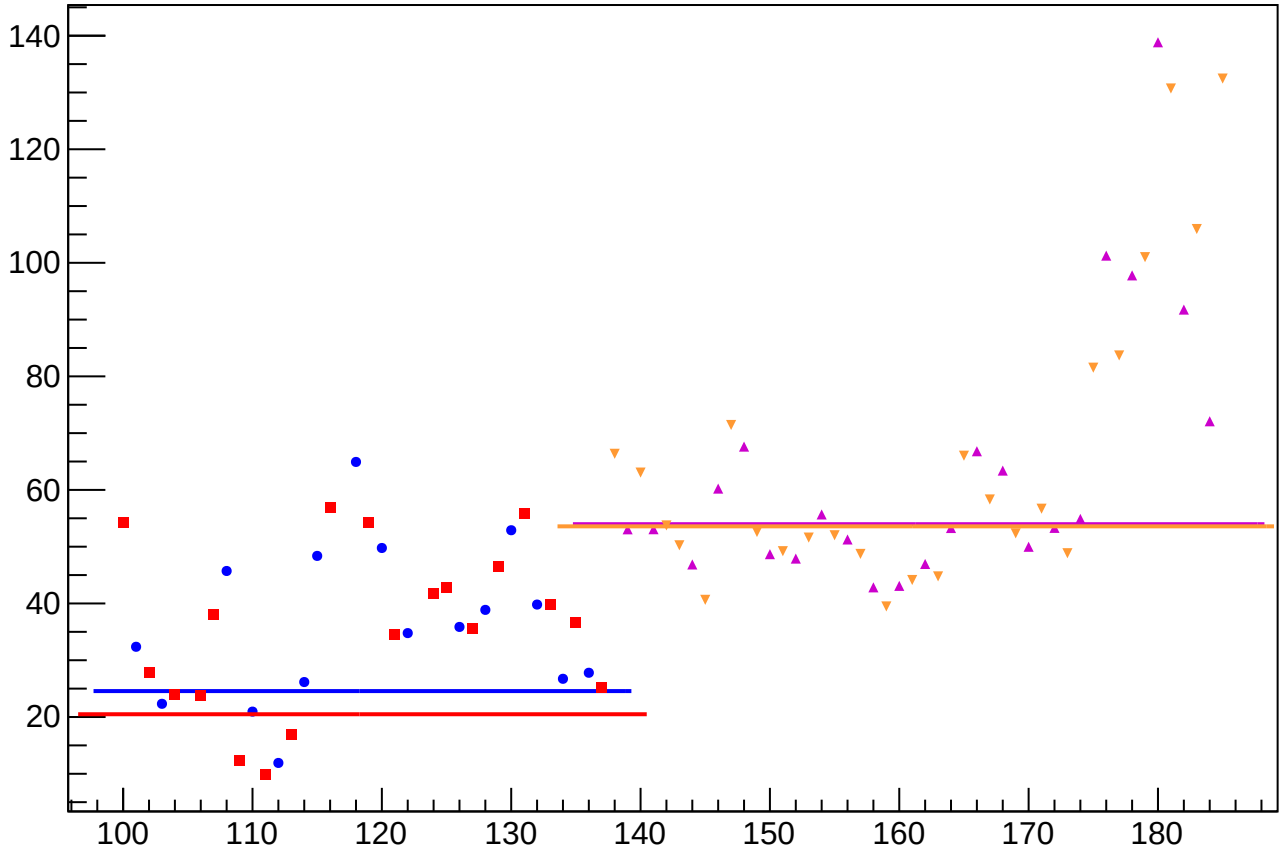
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 46.1/40

All: -0.002+/-0.006 χ^2/NDF: 77.5/82

- 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: 53.582+/-0.009 χ^2/NDF:2642554.6/24

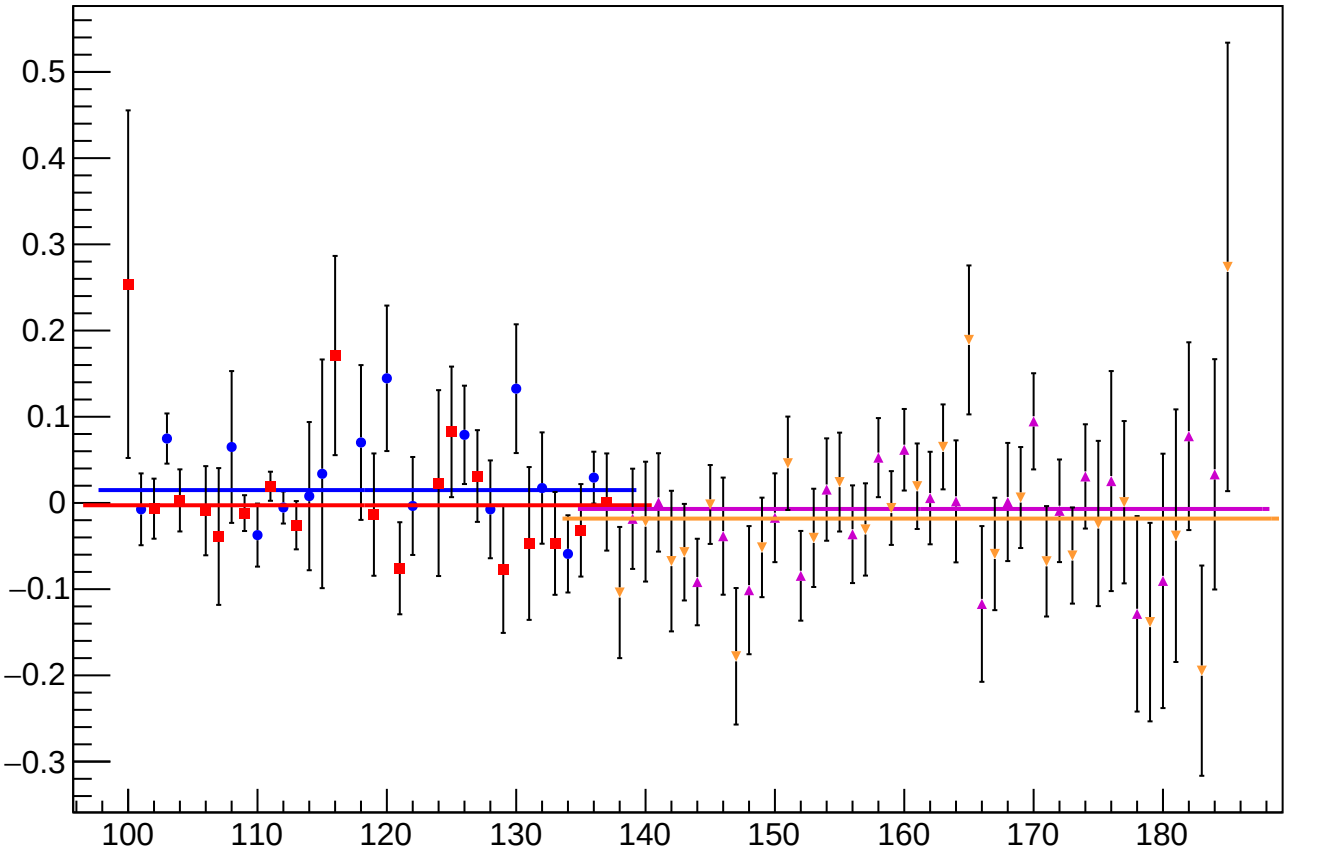
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.352+/-0.006 χ^2/NDF: 11229407.1/40

All: 33.731+/-0.004 χ^2/NDF: 25883143.2/82

- 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: -0.018+/-0.013 χ^2/NDF:24.3/24

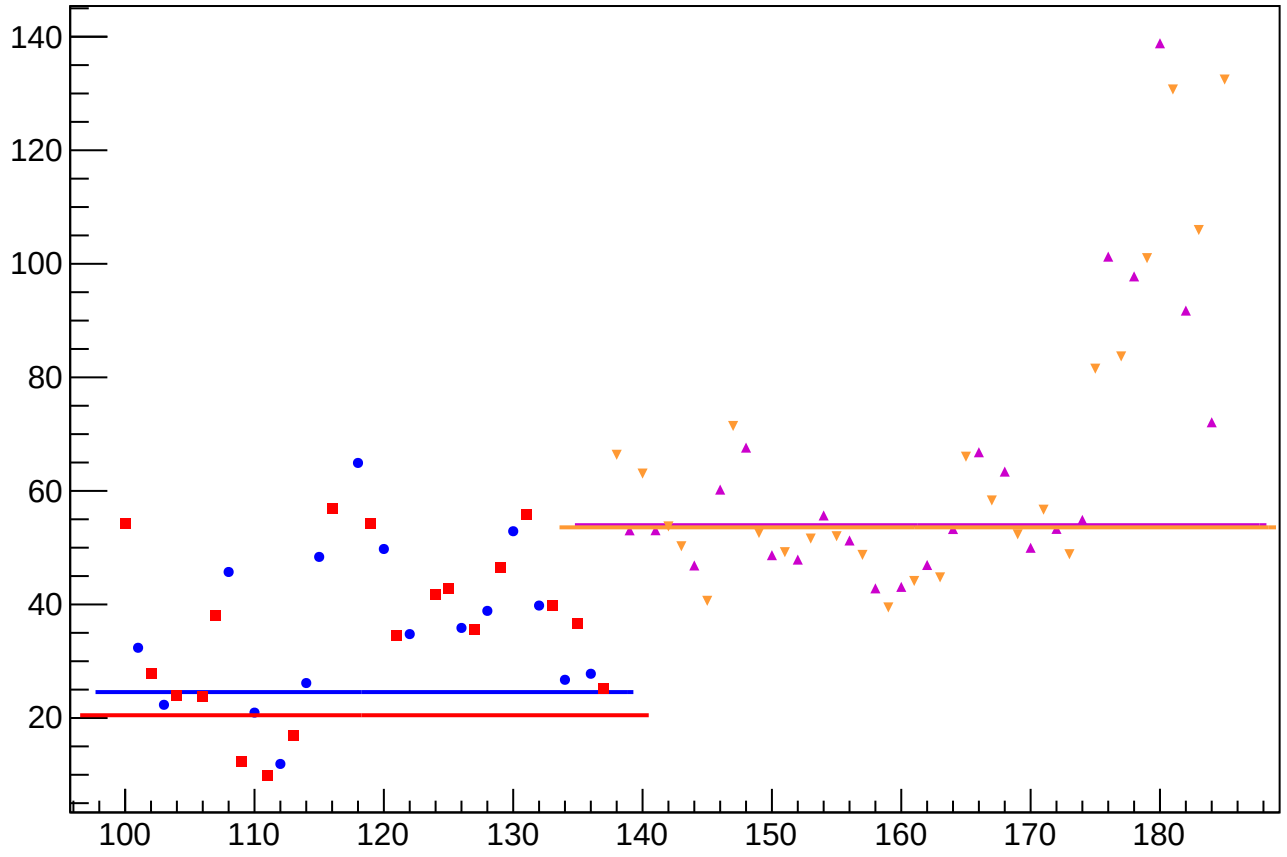
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 46.1/40

All: -0.002+/-0.006 χ^2/NDF: 77.5/82

- 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: 53.582+/-0.009 χ^2/NDF:2642554.6/24

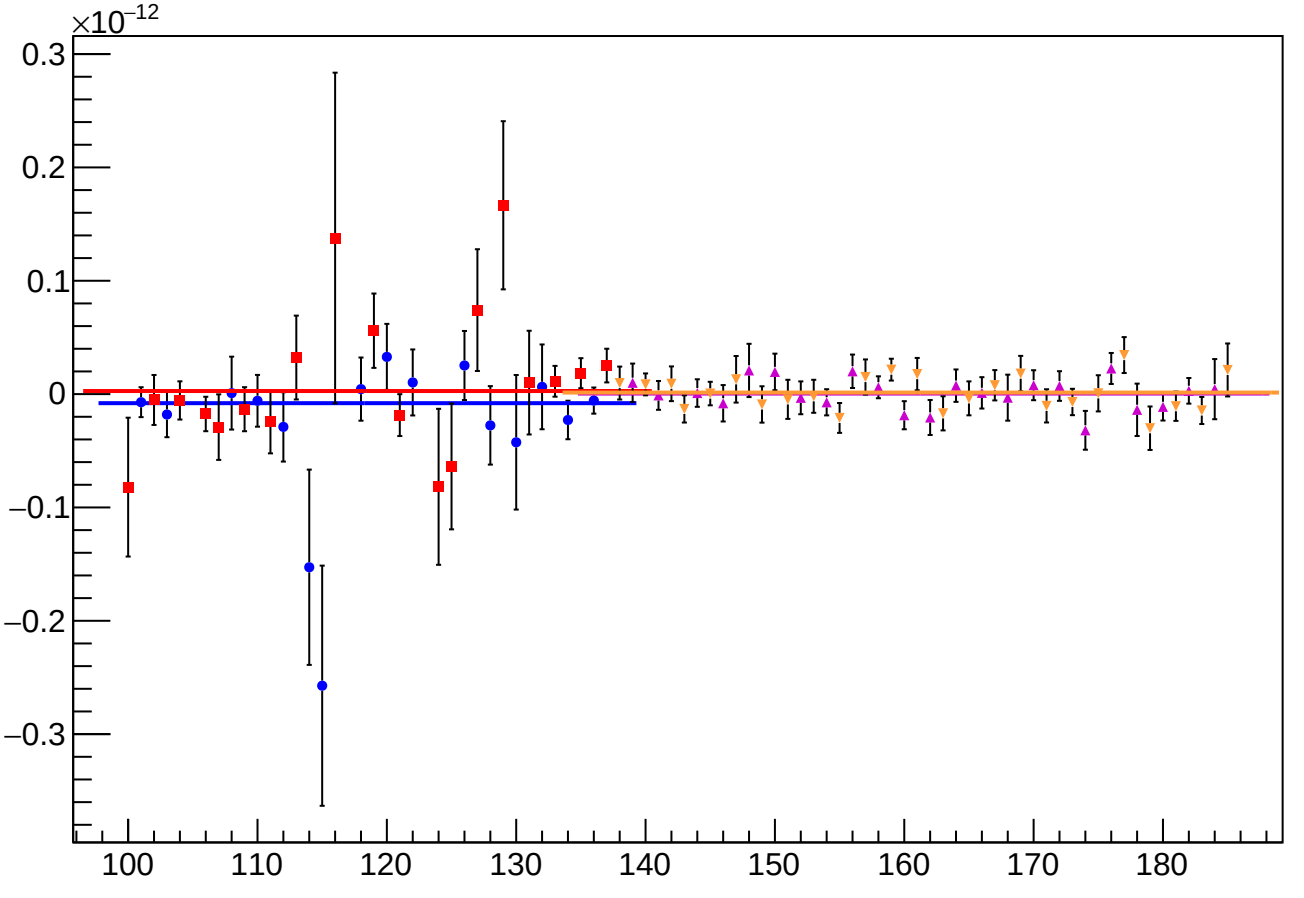
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.352+/-0.006 χ^2/NDF: 11229407.1/40

All: 33.731+/-0.004 χ^2/NDF: 25883143.2/82

- 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:27.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

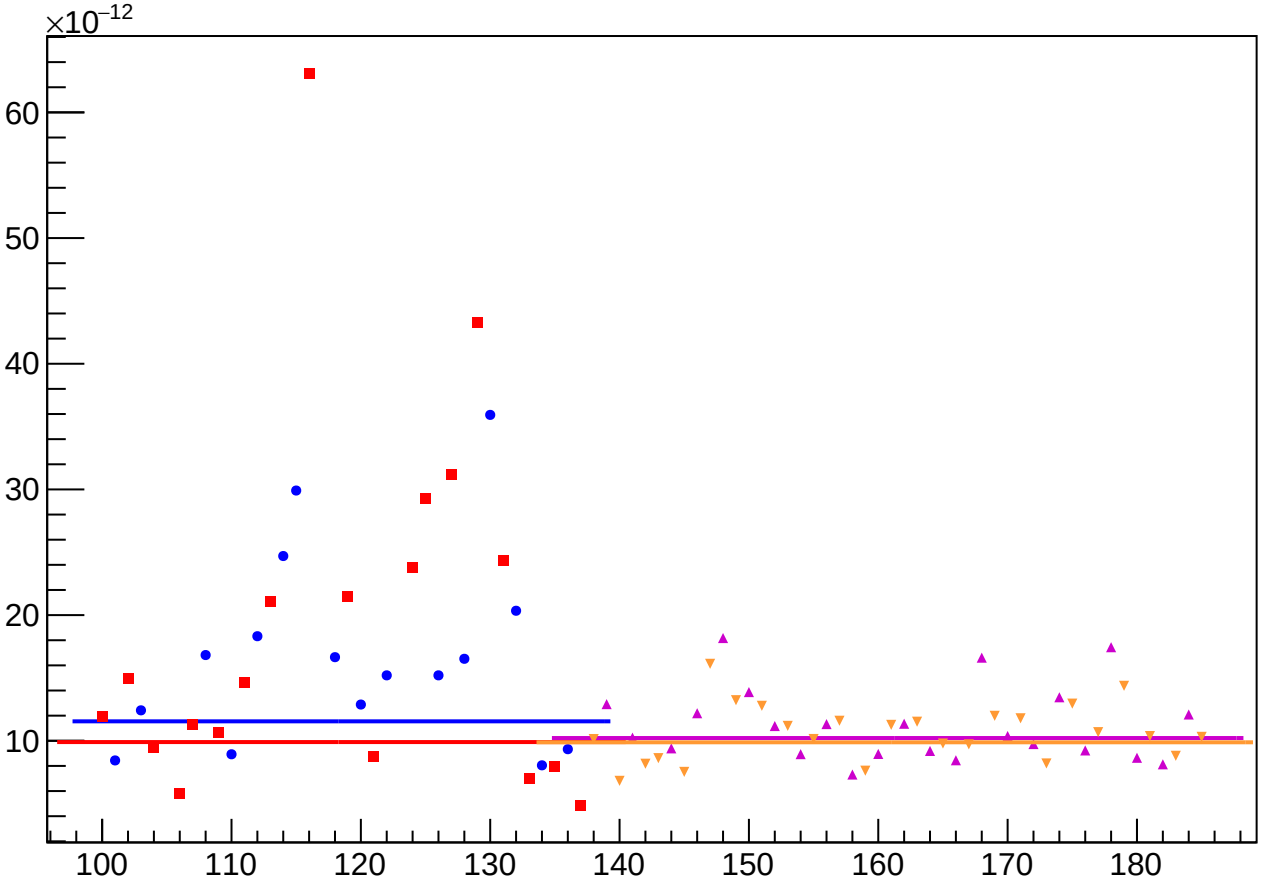
Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/40

All: 0.000+/-0.000 χ^2/NDF: 88.6/82

- 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:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

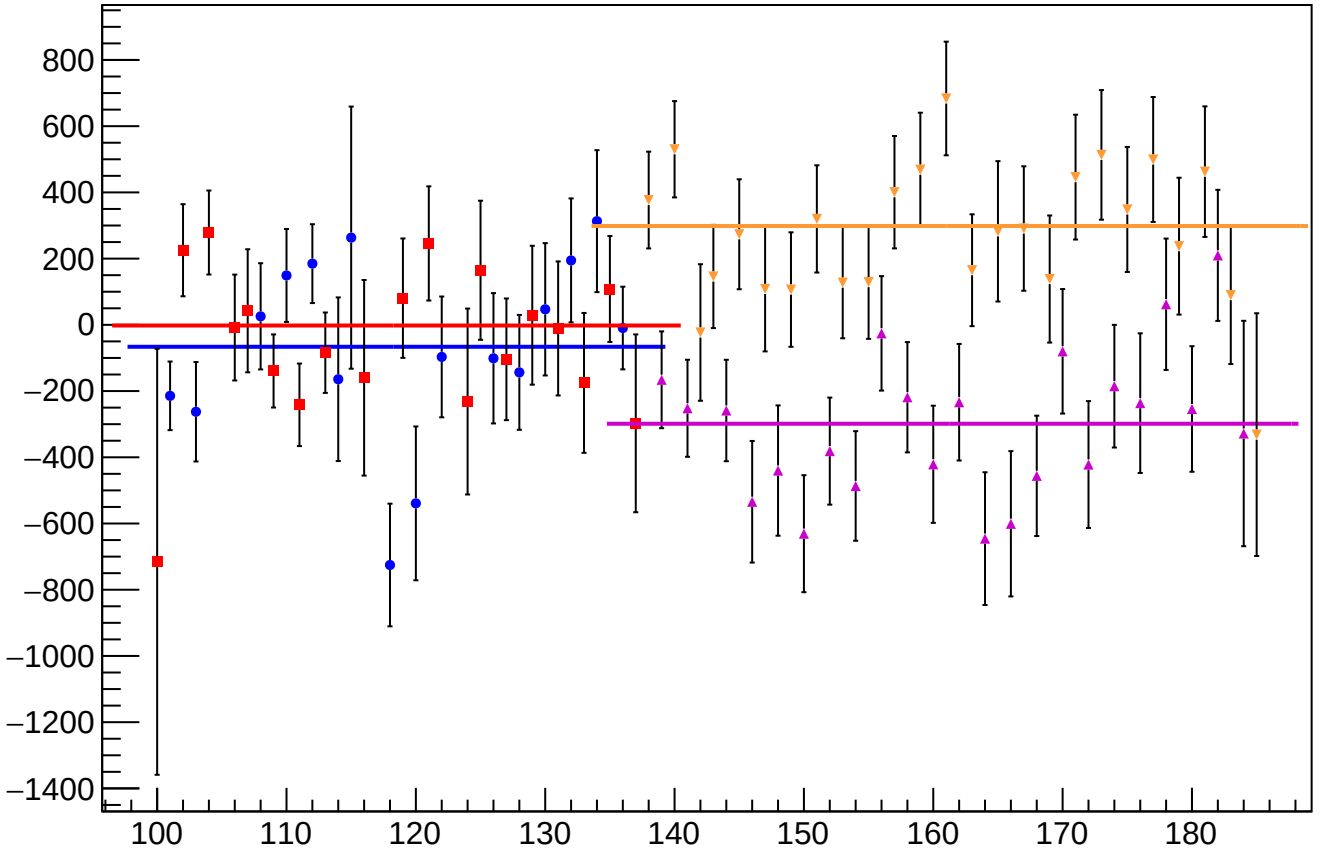
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2511934.6/40

All: 0.000+/-0.000 χ^2/NDF: 6467475.7/82

- 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: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

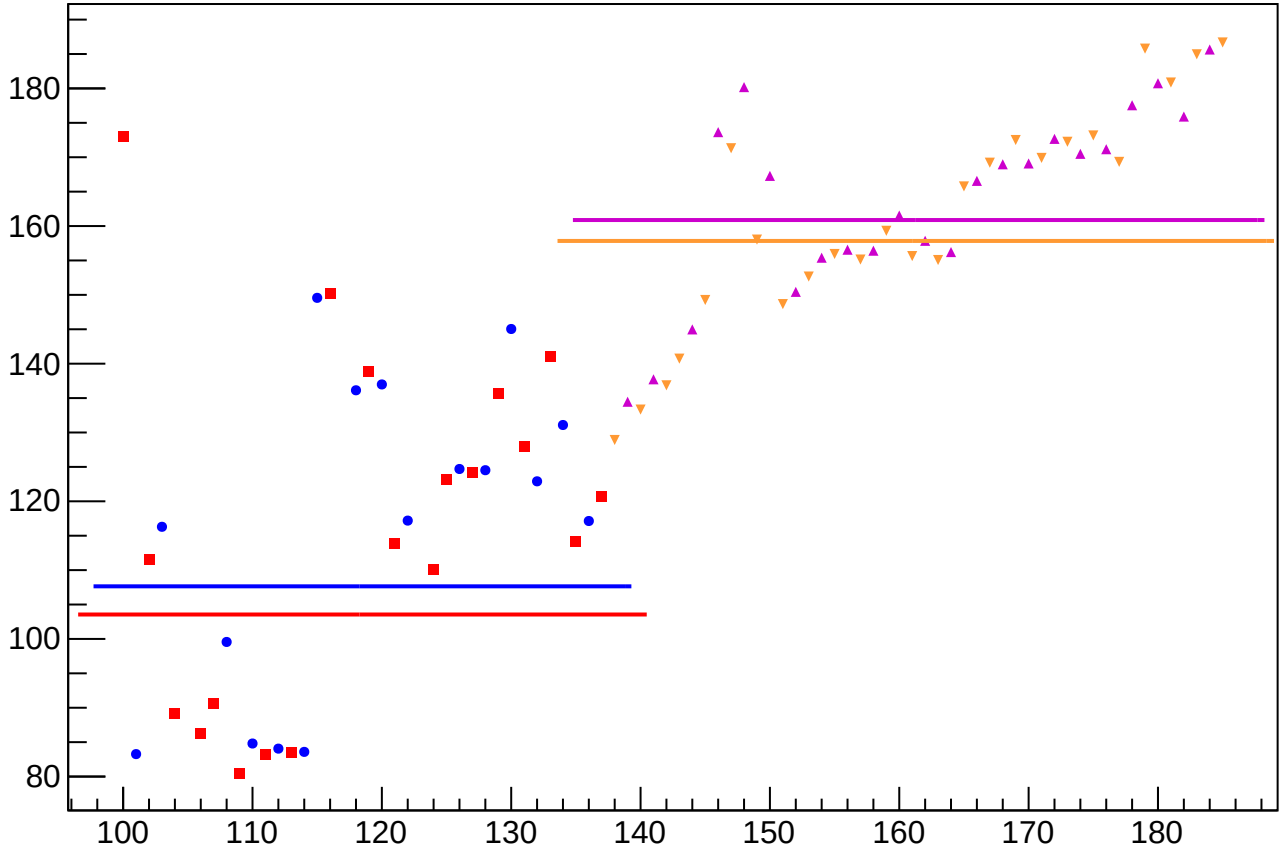
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 139.201+/-27.055 χ^2/NDF: 105.1/40

All: -7.694+/-19.136 χ^2/NDF: 244.6/82

- 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: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

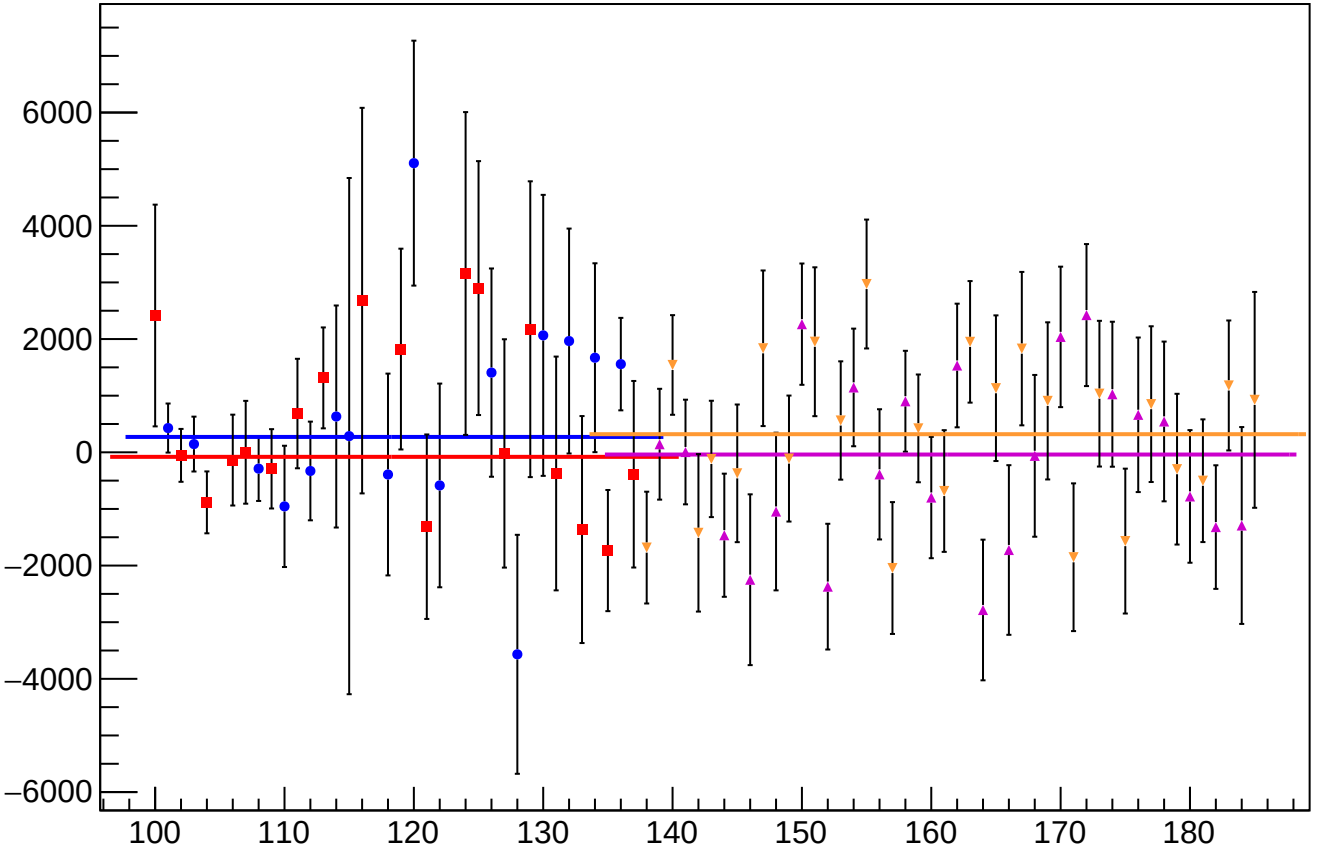
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

\+ sign 135.913+/-0.019 χ^2/NDF: 2603363.0/40

All: 134.490+/-0.014 χ^2/NDF: 5740202.2/82

\- sign 133.065+/-0.019 χ^2/NDF: 3125761.7/41

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

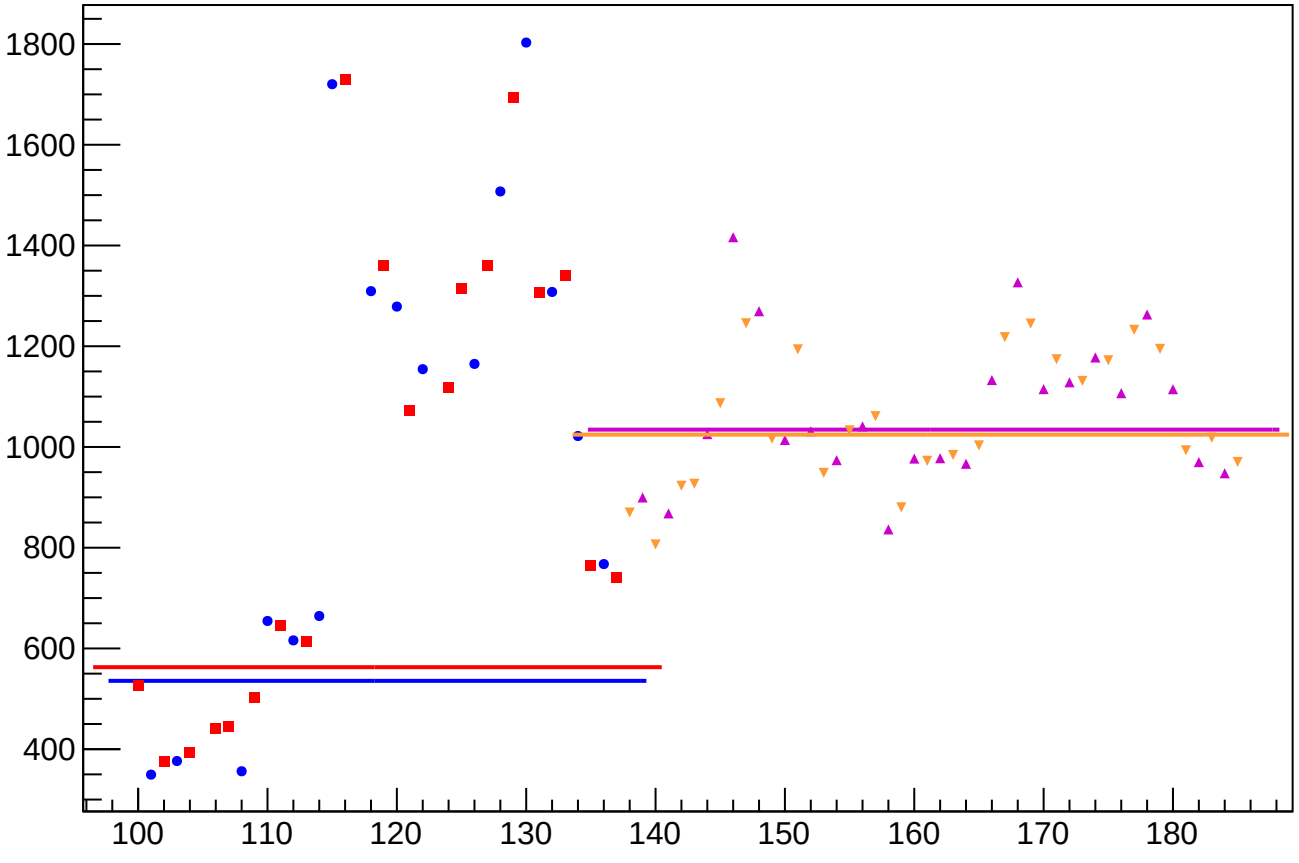
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 295.266+/-164.644 χ^2/NDF: 49.0/40

All: 121.141+/-117.672 χ^2/NDF: 102.1/82

- 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: 1024.493+/-0.166 χ^2/NDF:597629.4/24

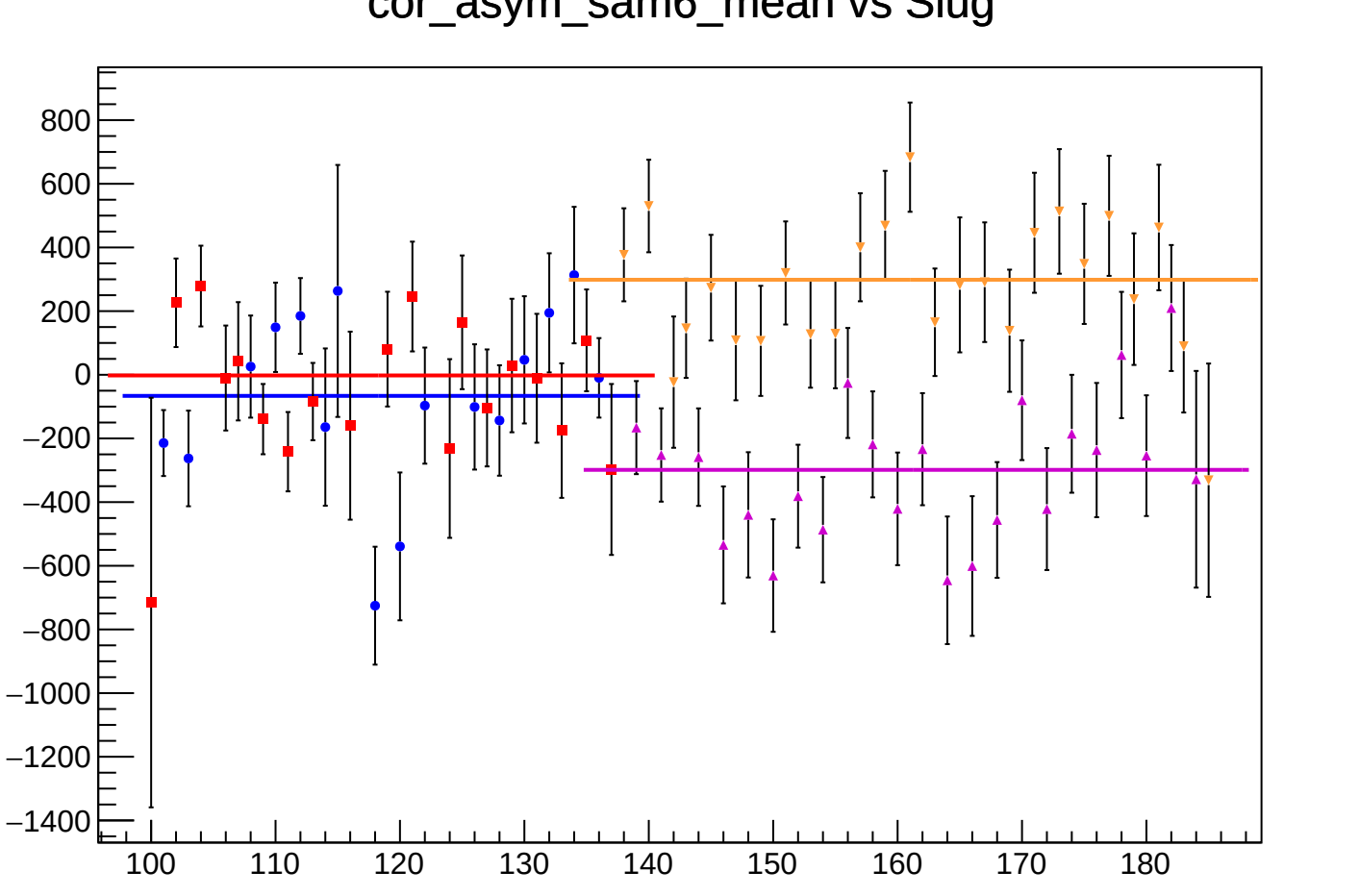
Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 775.448+/-0.116 χ^2/NDF: 8635586.8/40

All: 780.982+/-0.083 χ^2/NDF: 16298216.2/82

- sign 786.761+/-0.119 χ^2/NDF: 7658010.2/41



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

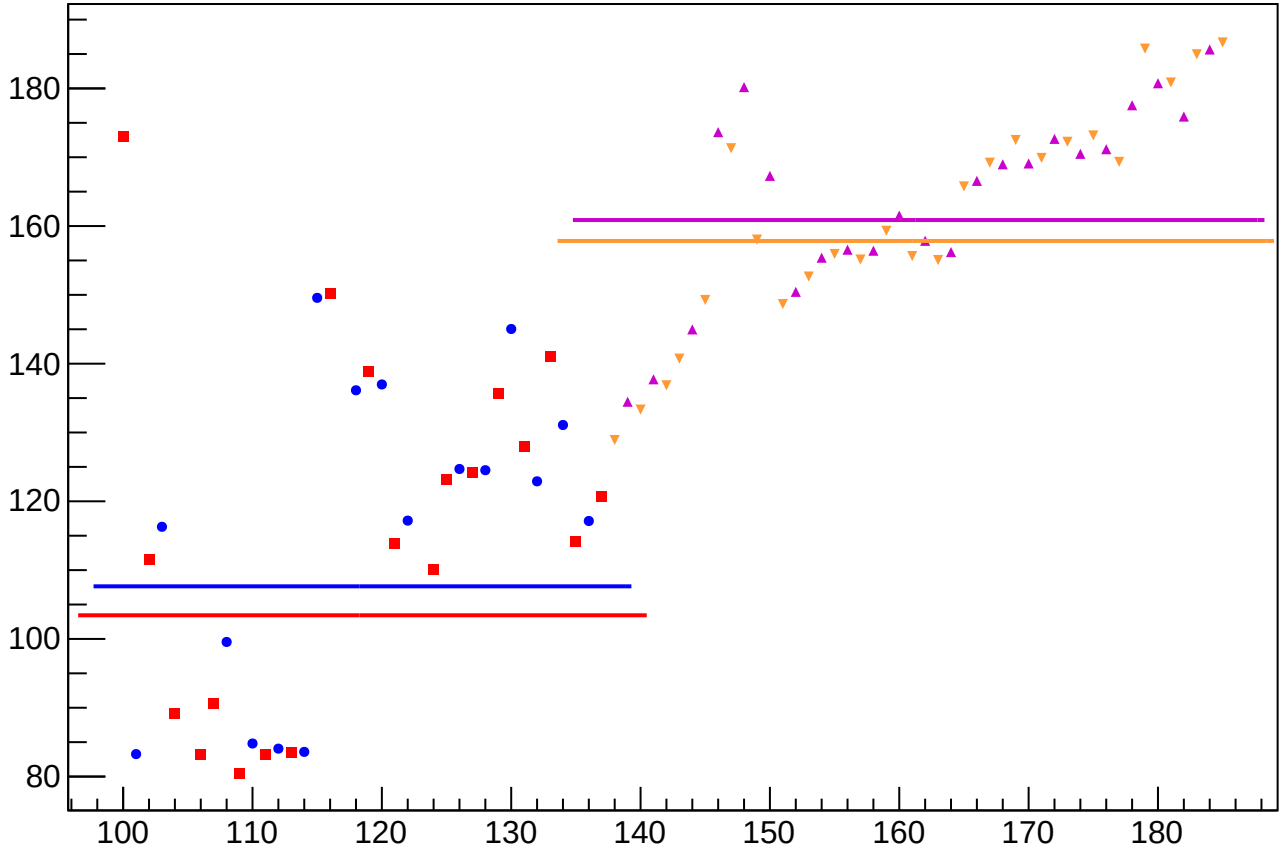
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 139.191+/-27.055 χ^2/NDF: 105.1/40

All: -7.717+/-19.145 χ^2/NDF: 244.7/82

- 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: 157.836+/-0.025 χ^2/NDF:377205.2/24

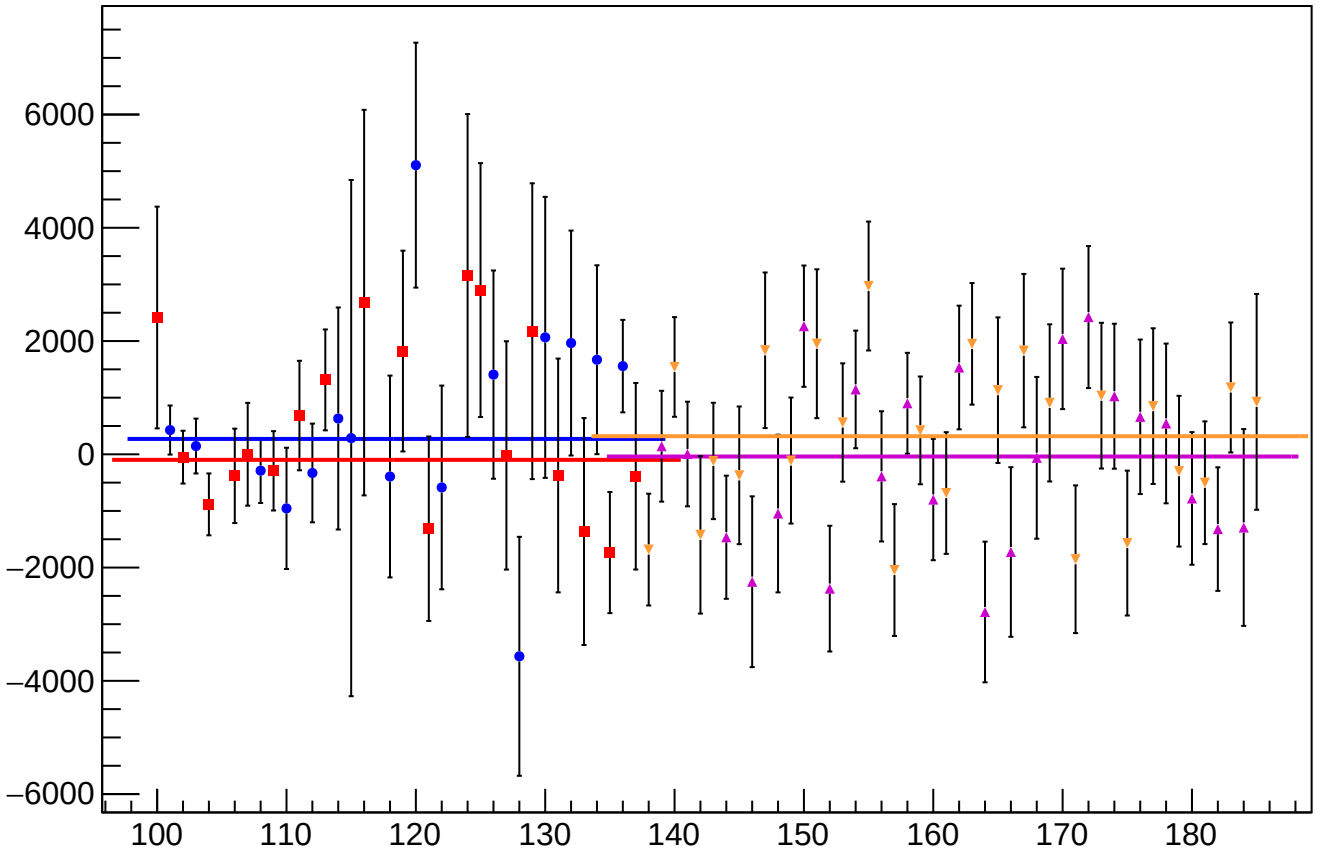
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

\+ sign 135.913+/-0.019 χ^2/NDF: 2603360.0/40

All: 134.490+/-0.014 χ^2/NDF: 5752206.1/82

\- 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: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

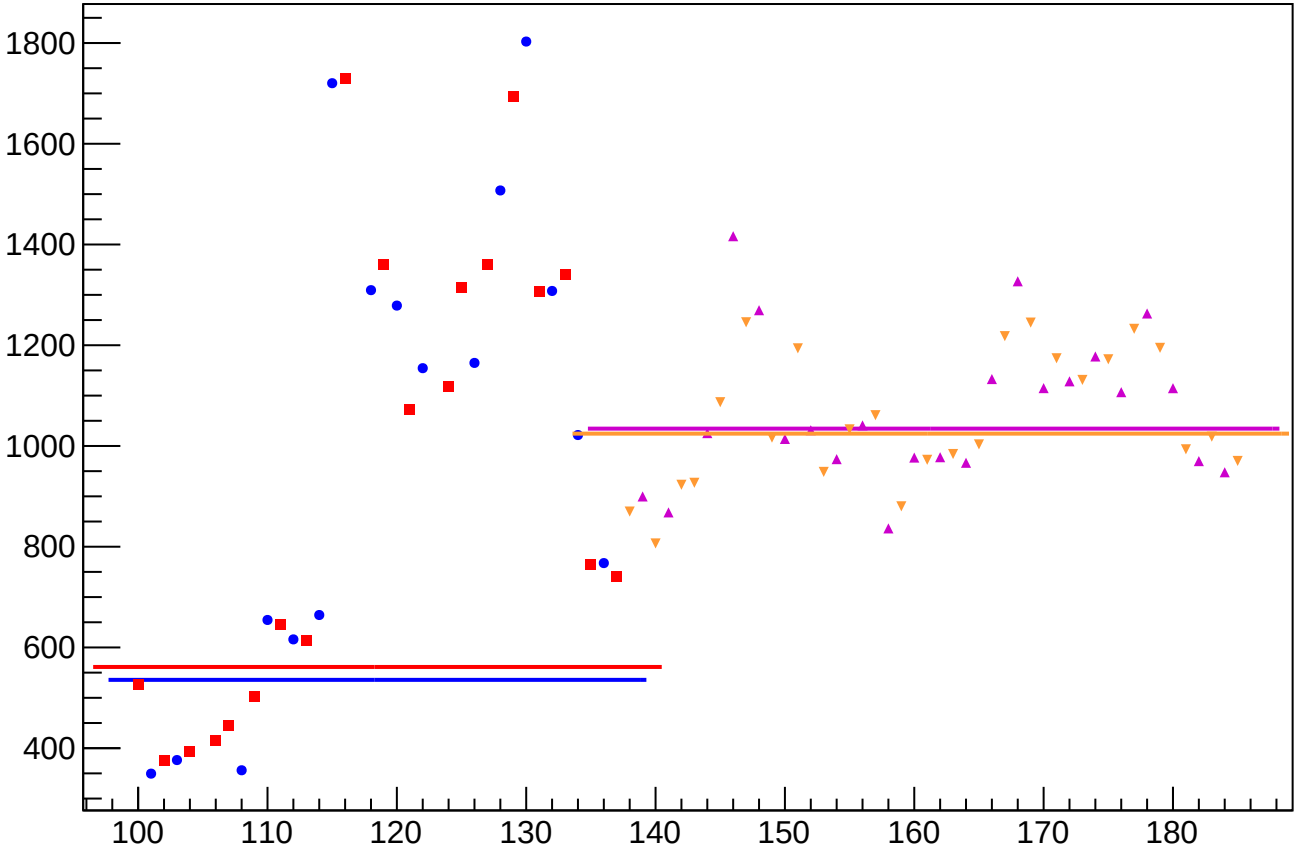
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 295.340+/-164.641 χ^2/NDF: 49.0/40

All: 116.917+/-117.752 χ^2/NDF: 102.4/82

- 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: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

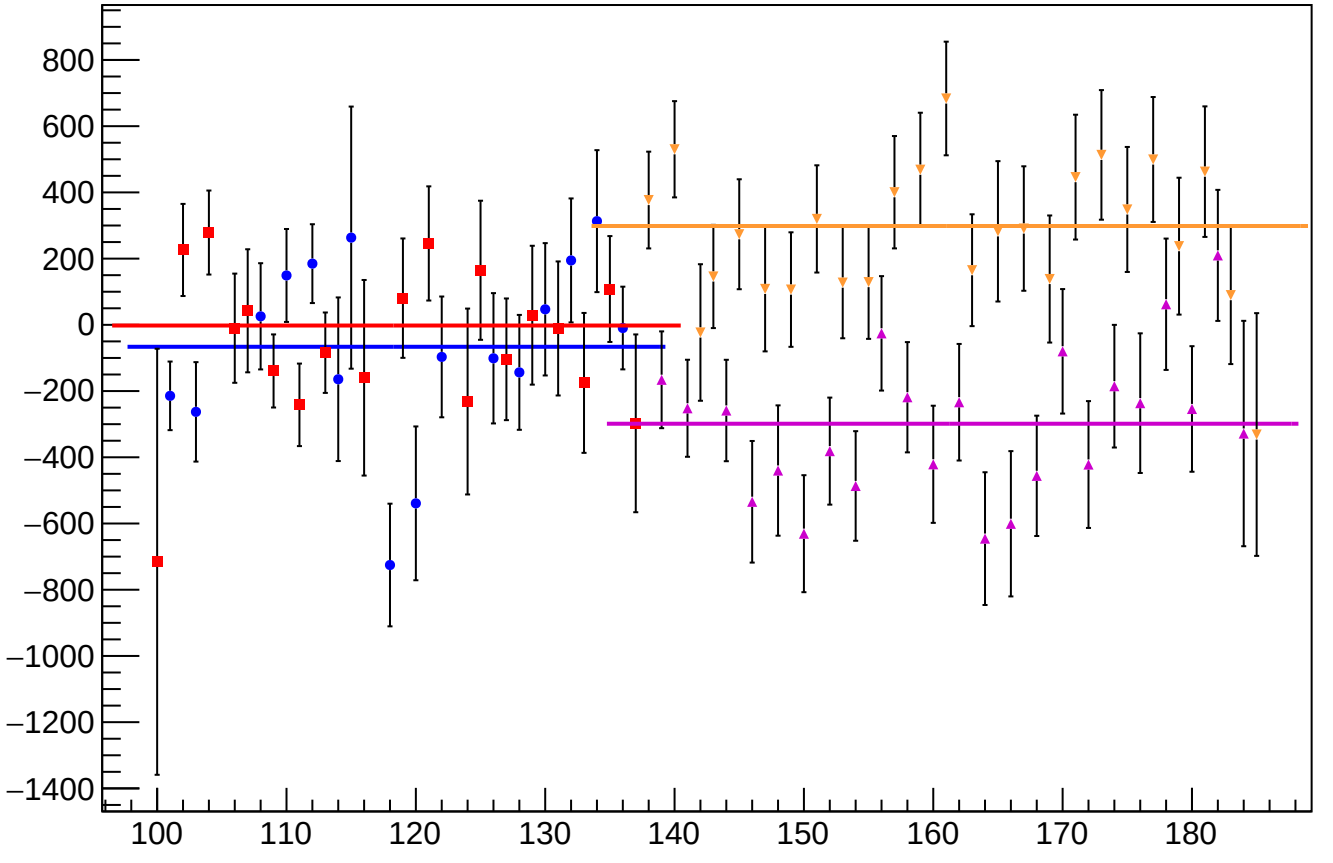
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 775.430+/-0.116 χ^2/NDF: 8636313.2/40

All: 780.872+/-0.083 χ^2/NDF: 16334647.4/82

- 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: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

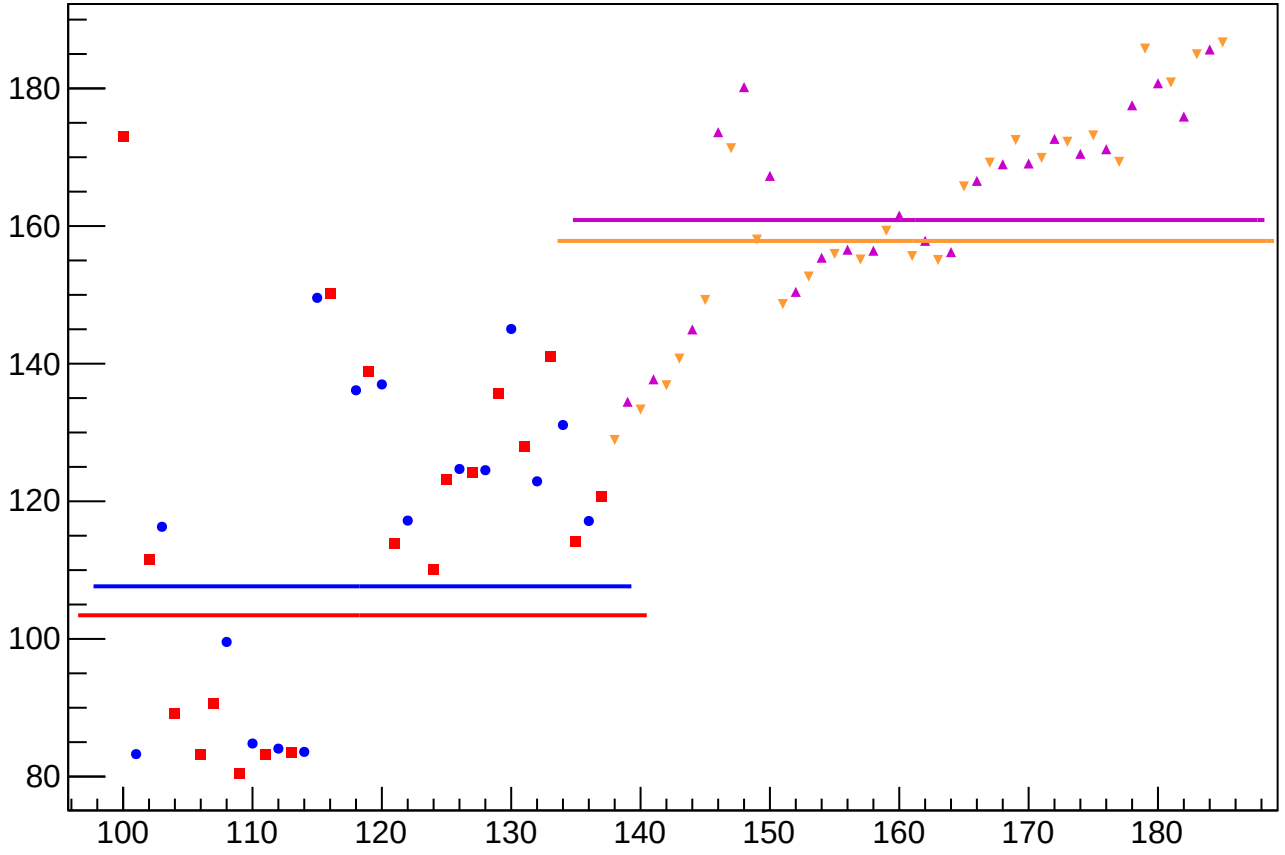
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 139.191+/-27.055 χ^2/NDF: 105.1/40

All: -7.717+/-19.145 χ^2/NDF: 244.7/82

- 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: 157.836+/-0.025 χ^2/NDF:377205.2/24

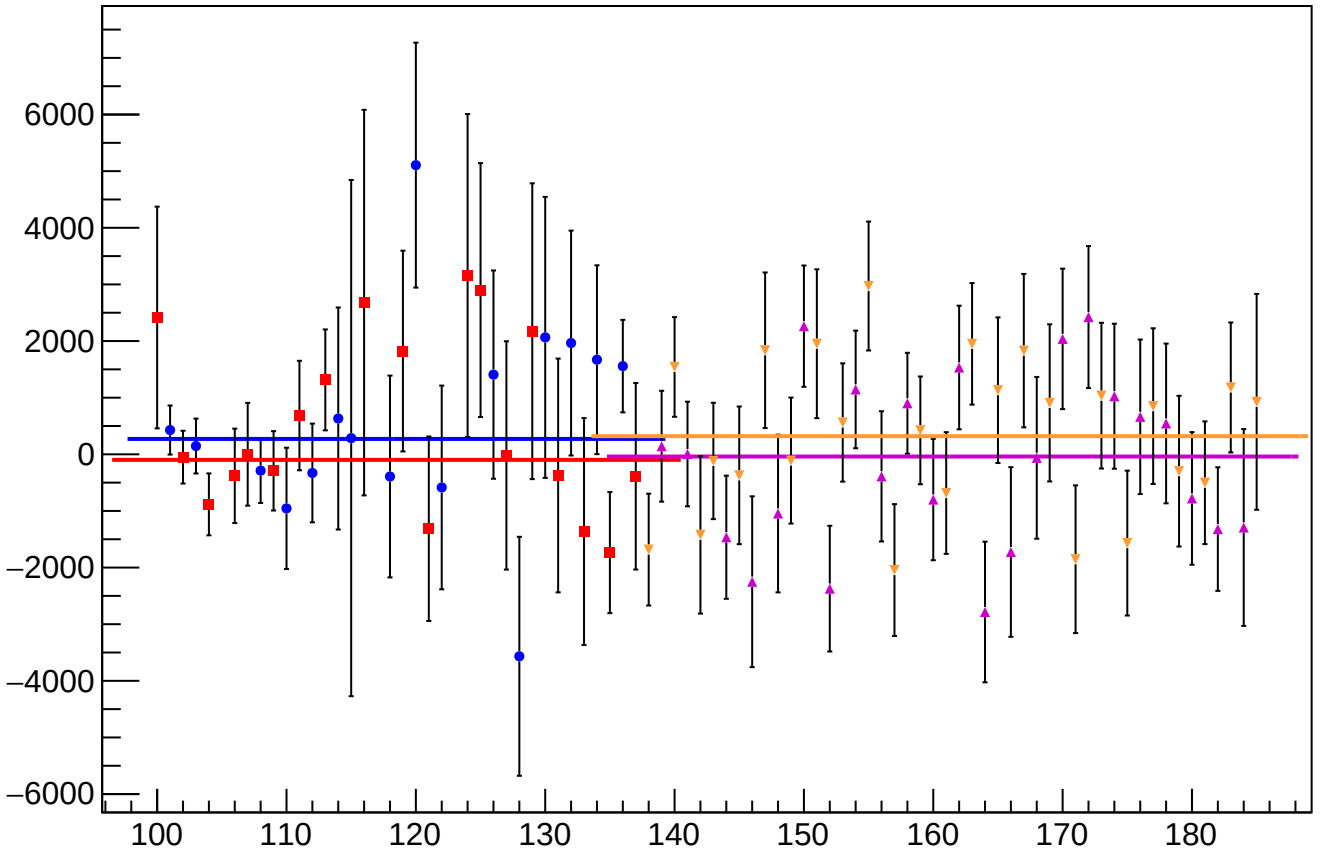
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 135.913+/-0.019 χ^2/NDF: 2603360.0/40

All: 134.490+/-0.014 χ^2/NDF: 5752206.1/82

- 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: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

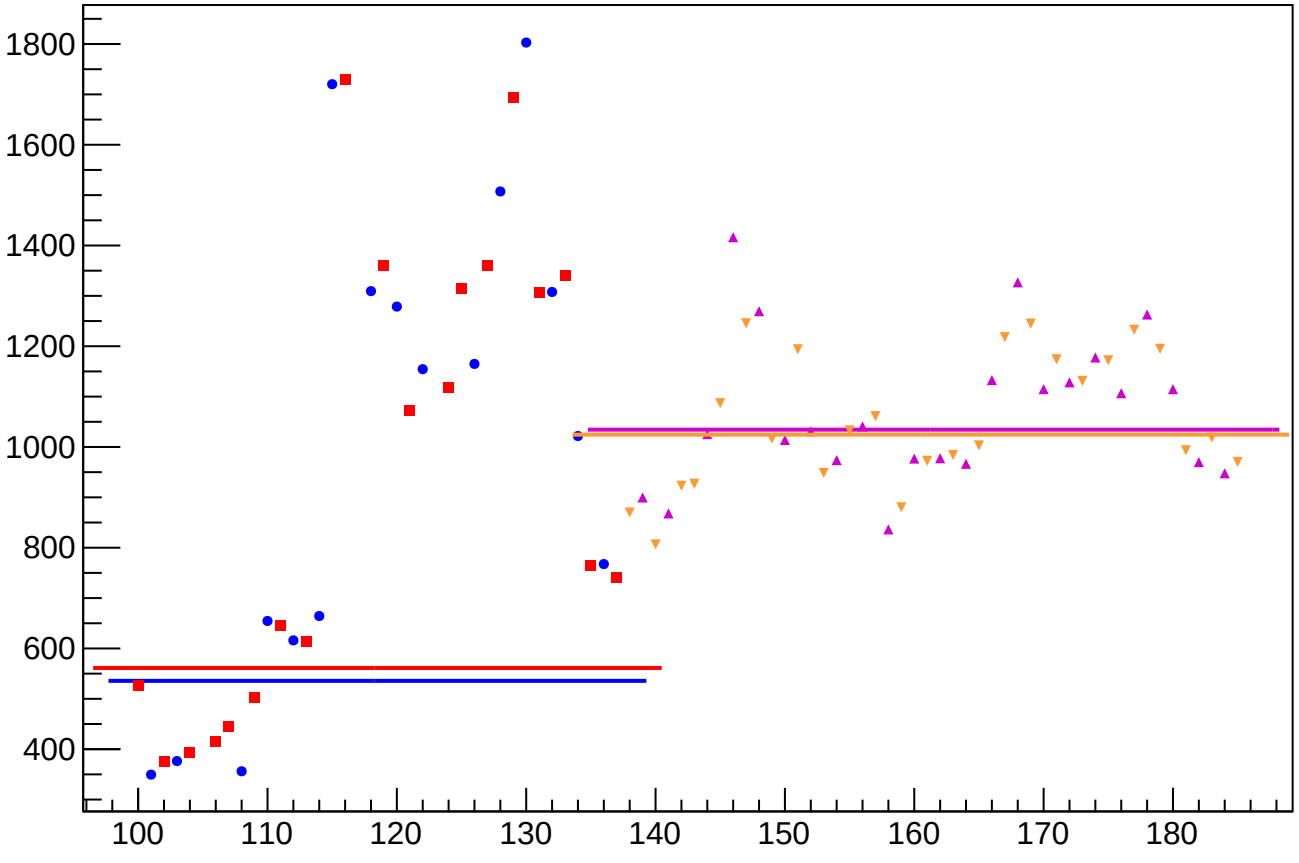
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 295.340+/-164.641 χ^2/NDF: 49.0/40

All: 116.917+/-117.752 χ^2/NDF: 102.4/82

- 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: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

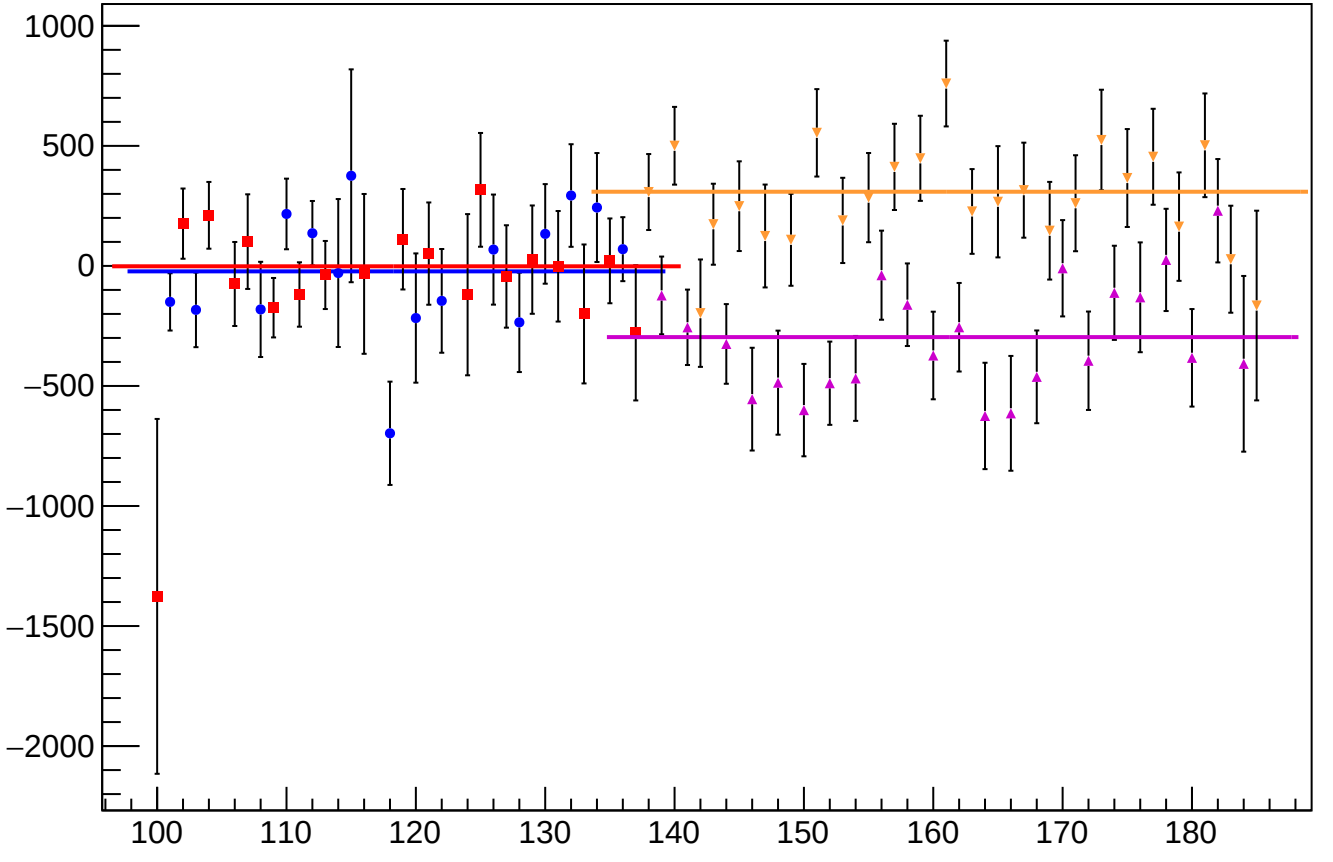
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 775.430+/-0.116 χ^2/NDF: 8636313.2/40

All: 780.872+/-0.083 χ^2/NDF: 16334647.4/82

- 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: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

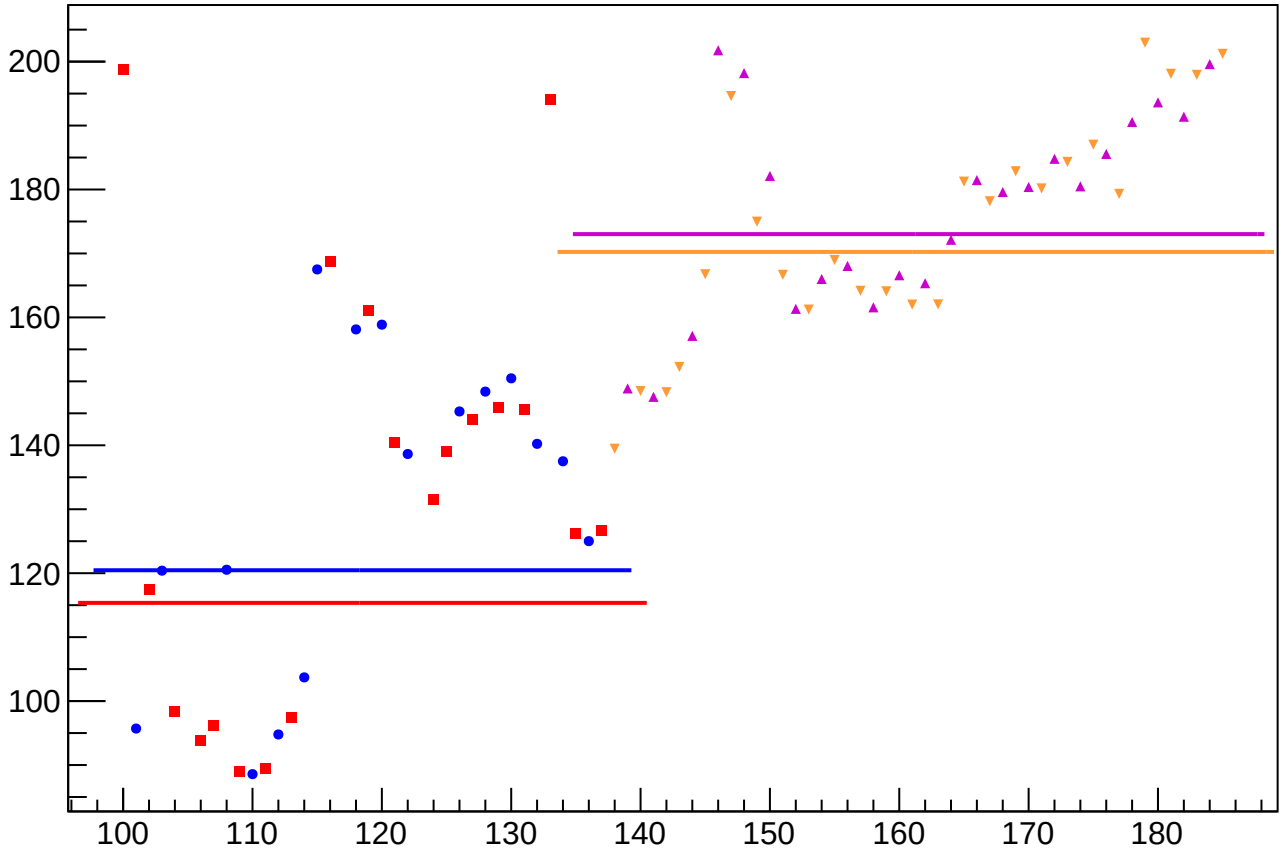
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 170.400+/-29.679 χ^2/NDF: 80.1/40

All: 5.641+/-20.995 χ^2/NDF: 208.4/82

- 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: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

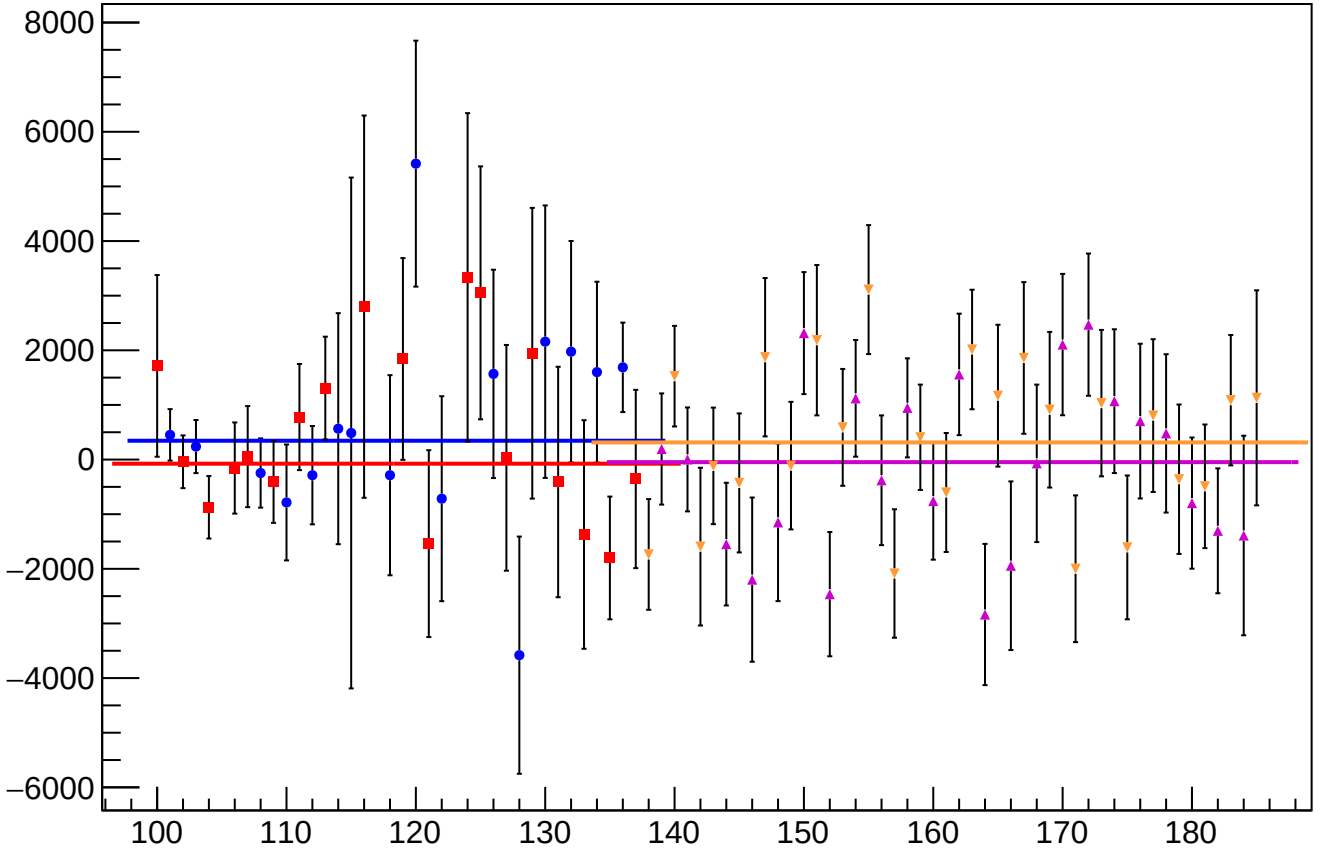
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 149.435+/-0.021 χ^2/NDF: 2265519.2/40

All: 147.825+/-0.015 χ^2/NDF: 5213498.4/82

- 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: 313.641+/-242.402 χ^2/NDF:32.9/24

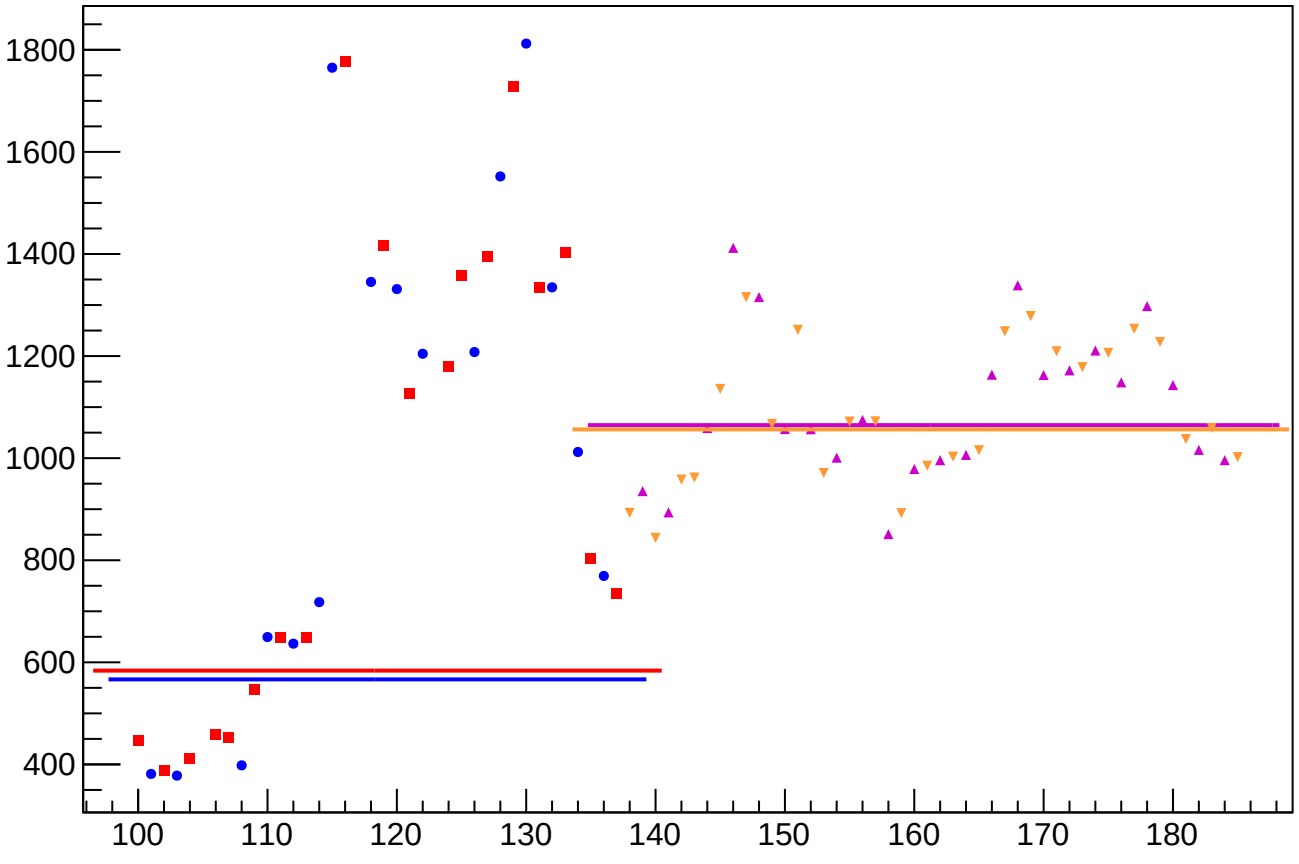
Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.094+/-171.096 χ^2/NDF: 49.1/40

All: 136.557+/-121.903 χ^2/NDF: 101.4/82

- sign -61.950+/-173.728 χ^2/NDF: 49.7/41



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

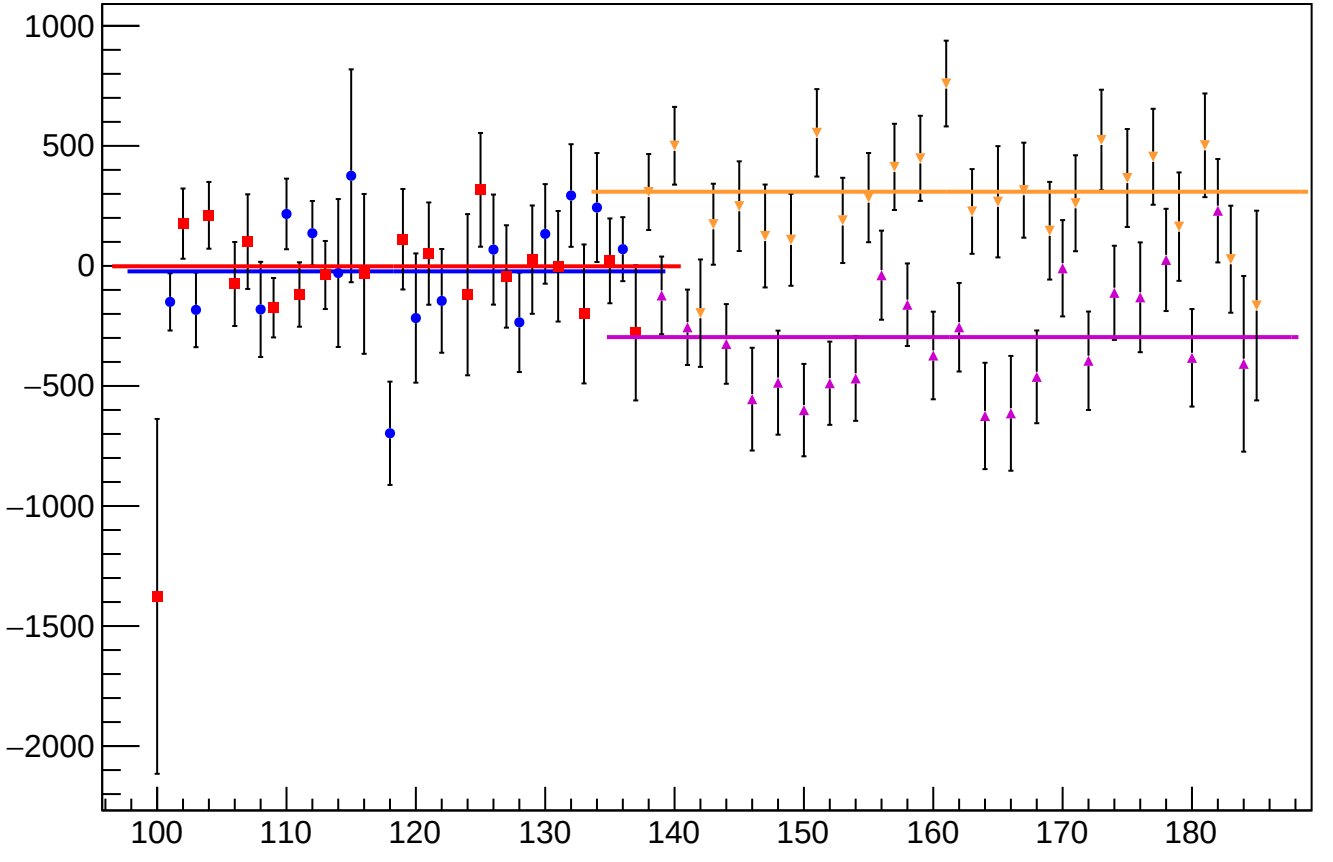
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 810.585+/-0.121 χ^2/NDF: 8139441.6/40

All: 812.125+/-0.086 χ^2/NDF: 15682191.4/82

- 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: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

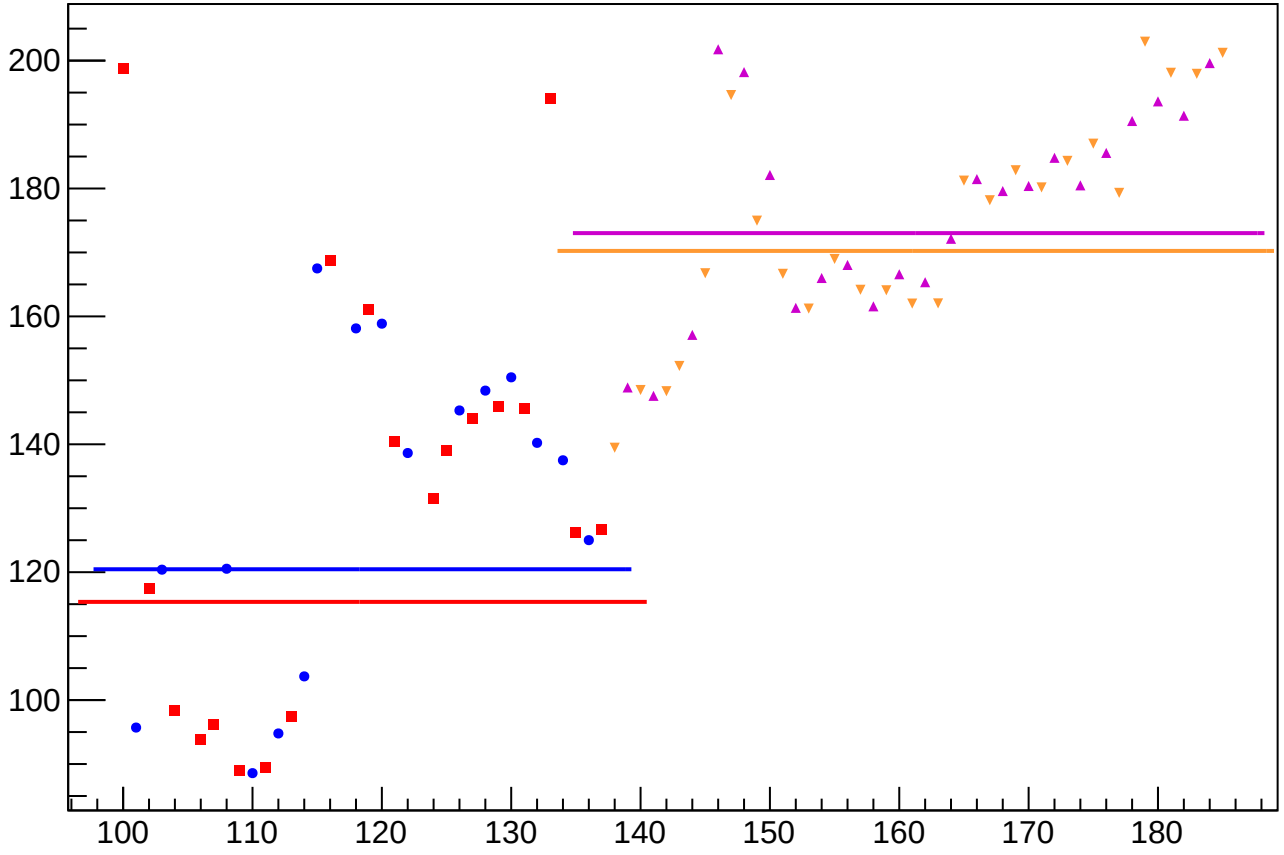
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 170.399+/-29.679 χ^2/NDF: 80.1/40

All: 5.641+/-20.995 χ^2/NDF: 208.5/82

- 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: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

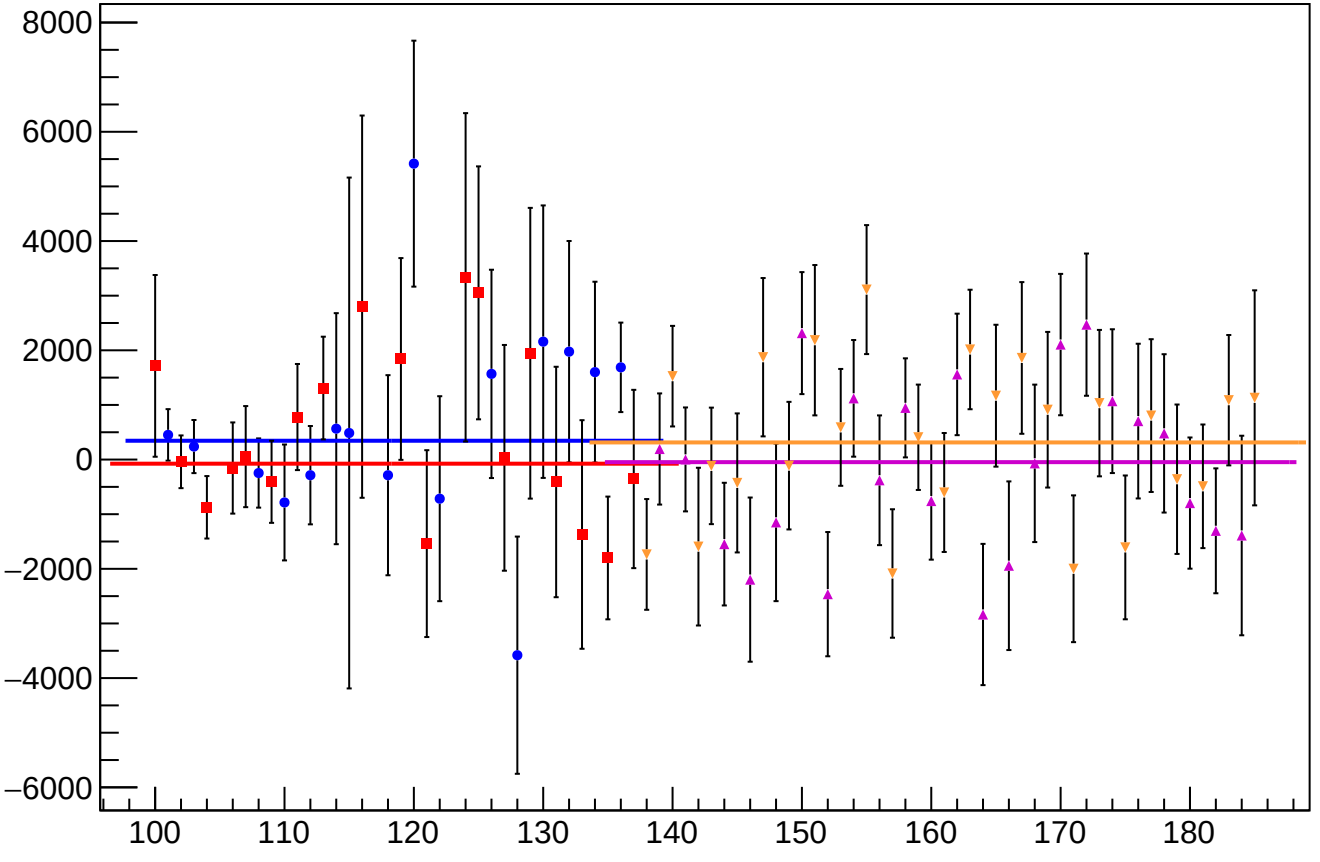
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

\+ sign 149.435+/-0.021 χ^2/NDF: 2265531.4/40

All: 147.825+/-0.015 χ^2/NDF: 5213516.0/82

\- 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: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

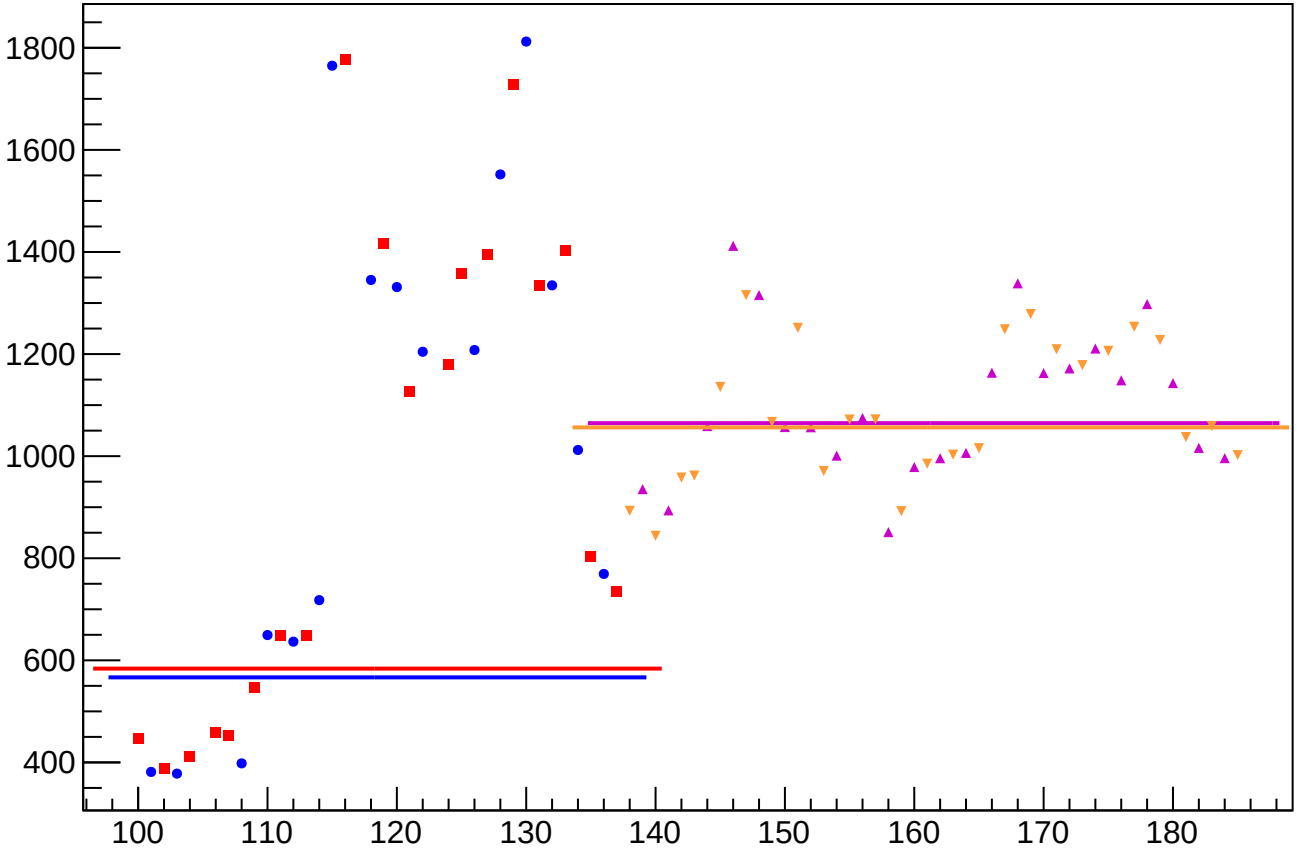
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.094+/-171.096 χ^2/NDF: 49.1/40

All: 136.557+/-121.903 χ^2/NDF: 101.4/82

- 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: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

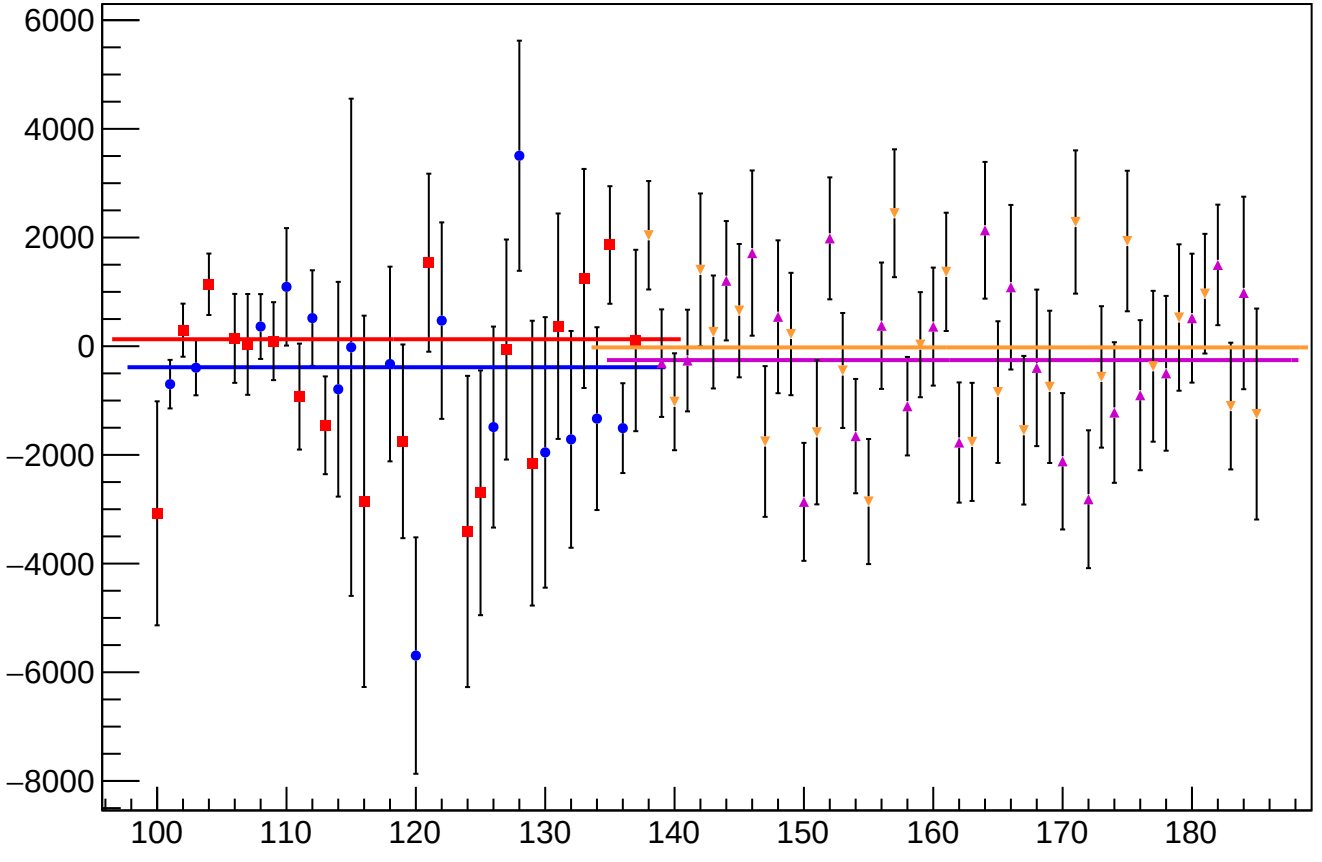
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 810.584+/-0.121 χ^2/NDF: 8139470.6/40

All: 812.124+/-0.086 χ^2/NDF: 15682234.7/82

- 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: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

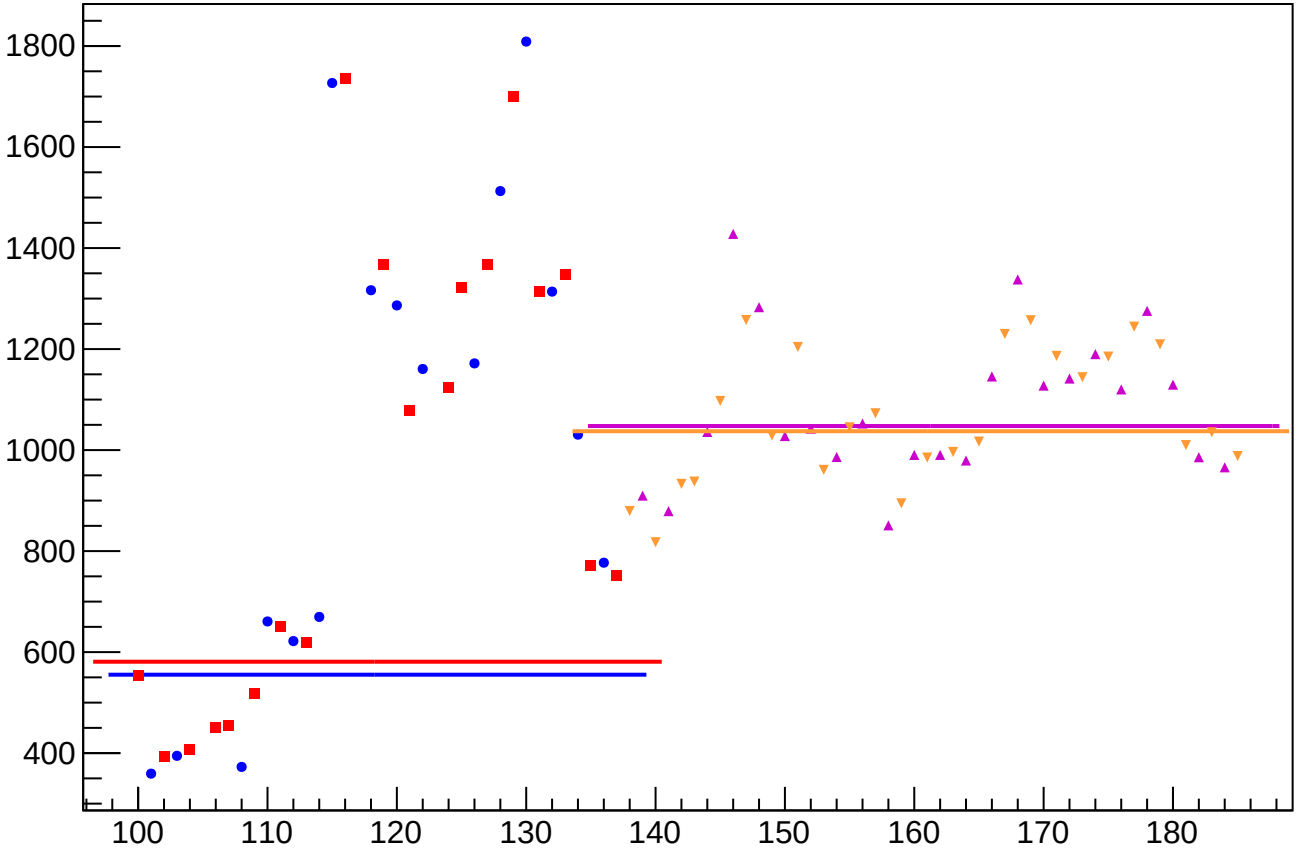
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -204.535+/-168.113 χ^2/NDF: 53.6/40

All: -131.924+/-120.068 χ^2/NDF: 108.2/82

- 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: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

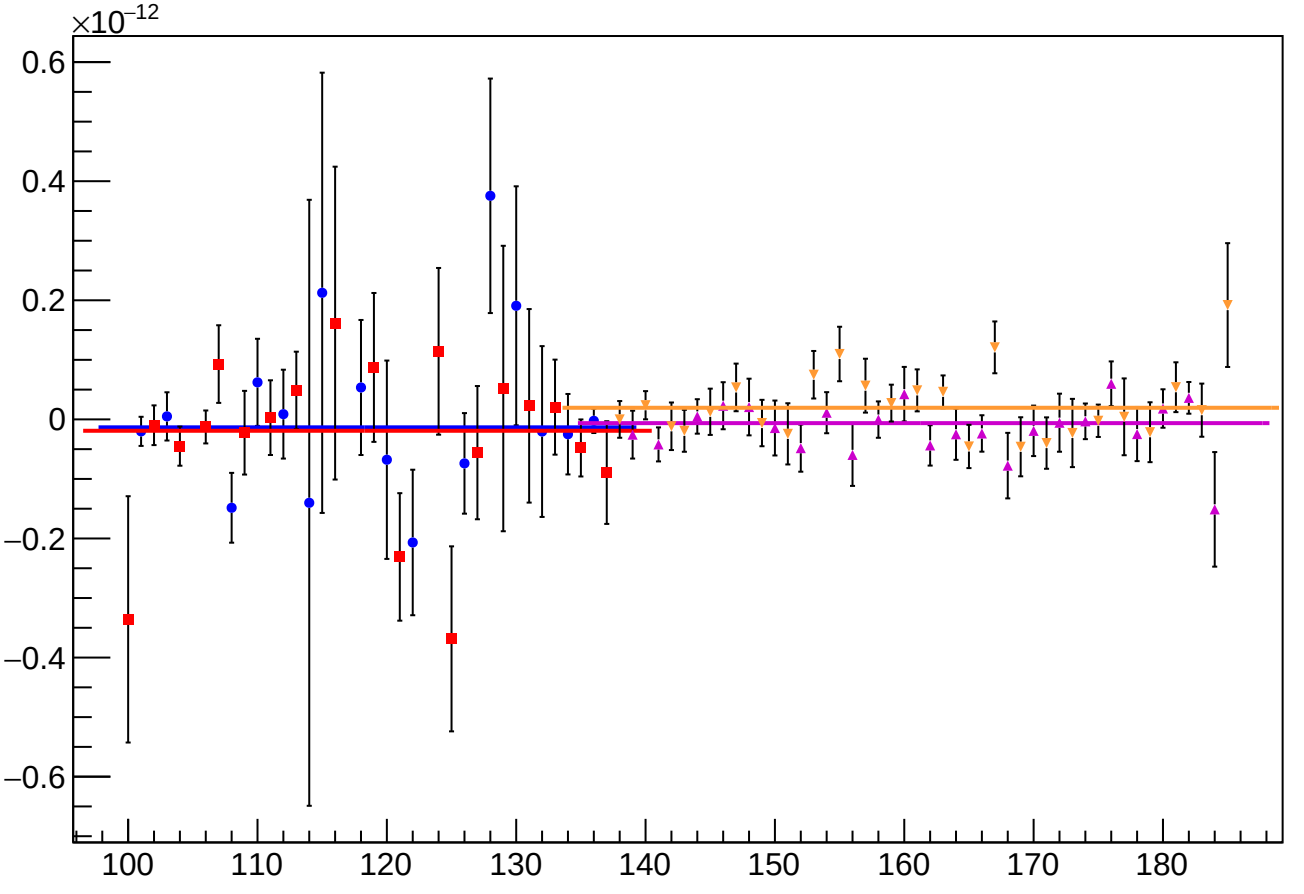
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 795.855+/-0.119 χ^2/NDF: 8178755.0/40

All: 800.678+/-0.085 χ^2/NDF: 15473794.2/82

- 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:30.0/24

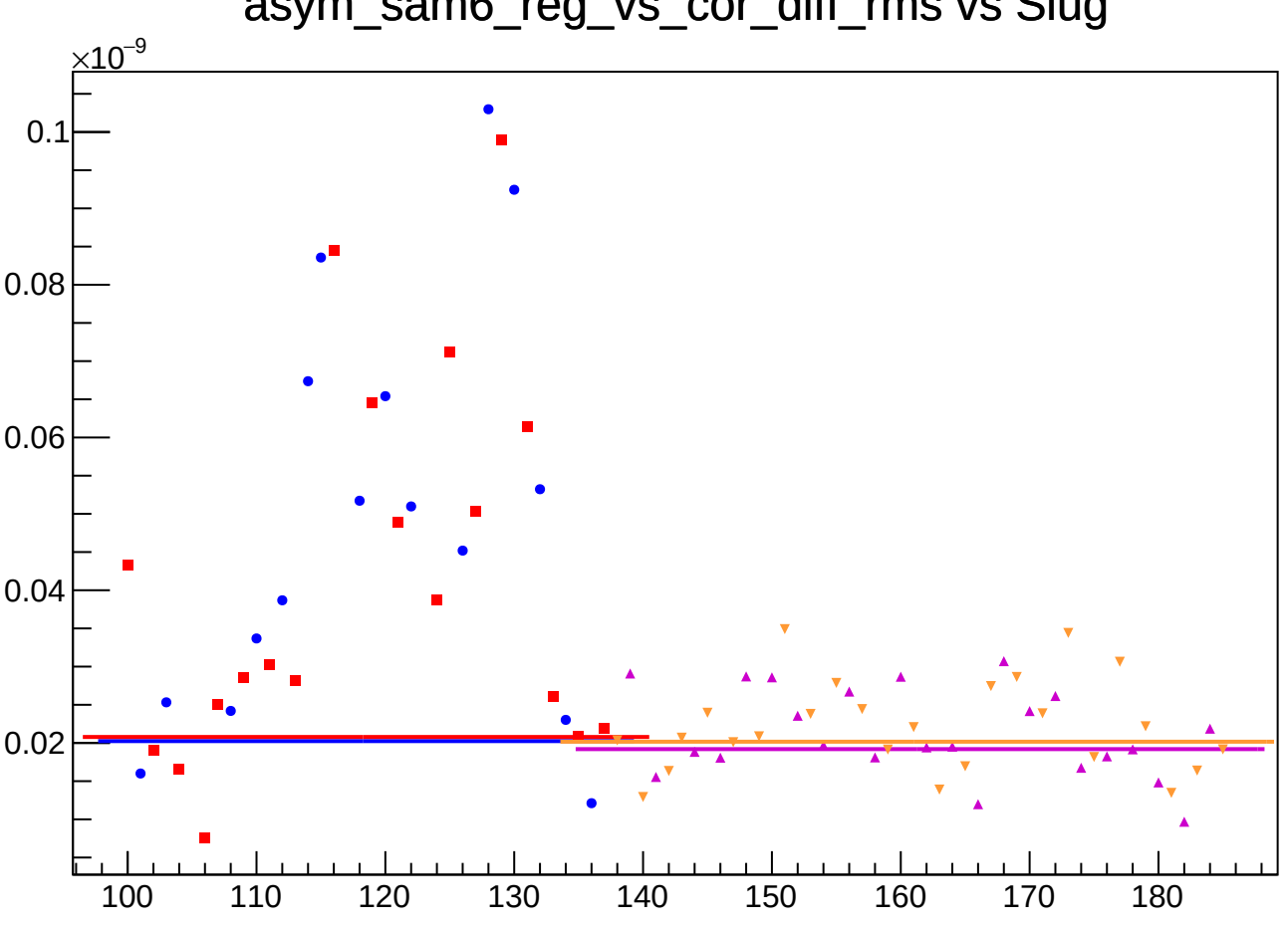
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

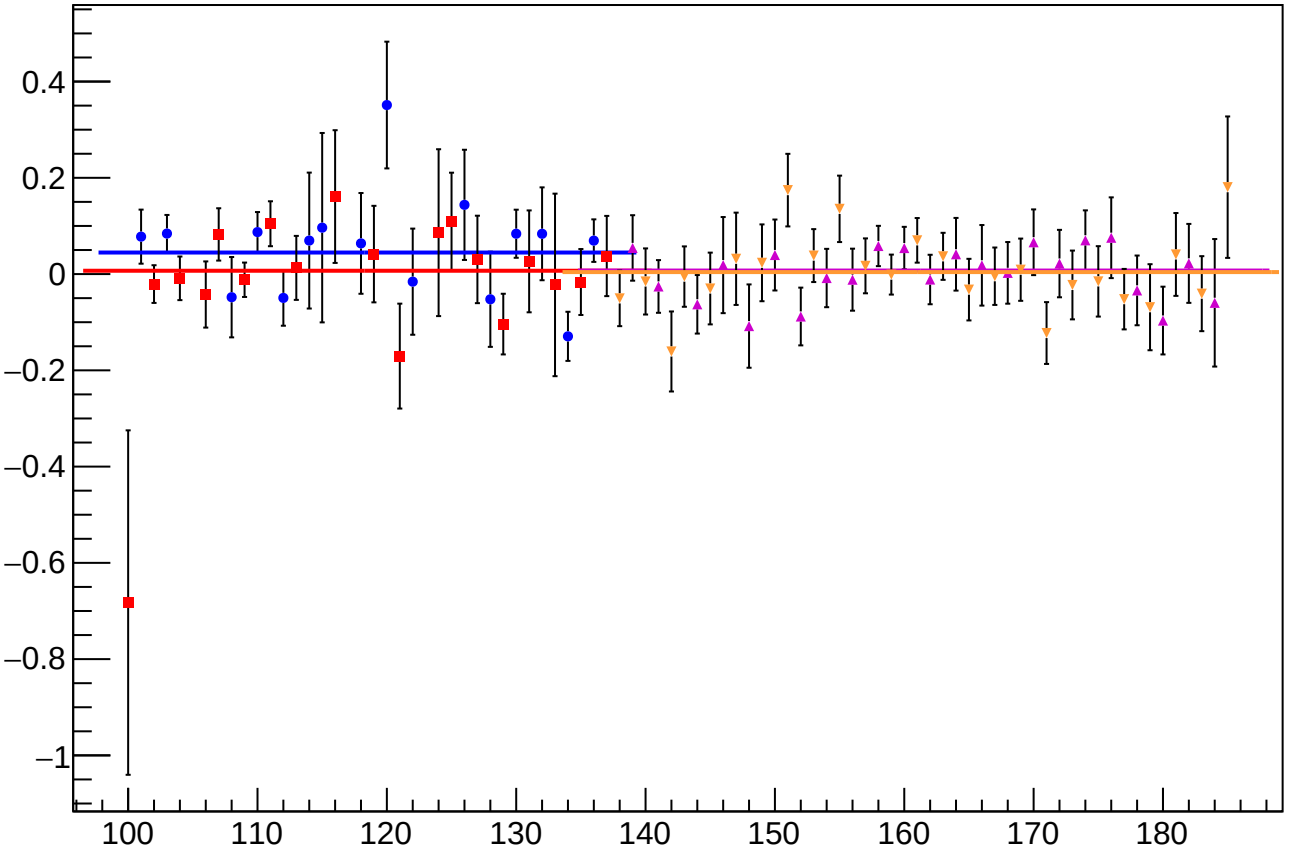
+ sign 0.000+/-0.000 χ^2/NDF: 50.7/40

All: 0.000+/-0.000 χ^2/NDF: 94.4/82

- 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:993542.0/24
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: 2998273.6/40
All: 0.000+/-0.000 χ²/NDF: 5931363.8/82
- 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: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

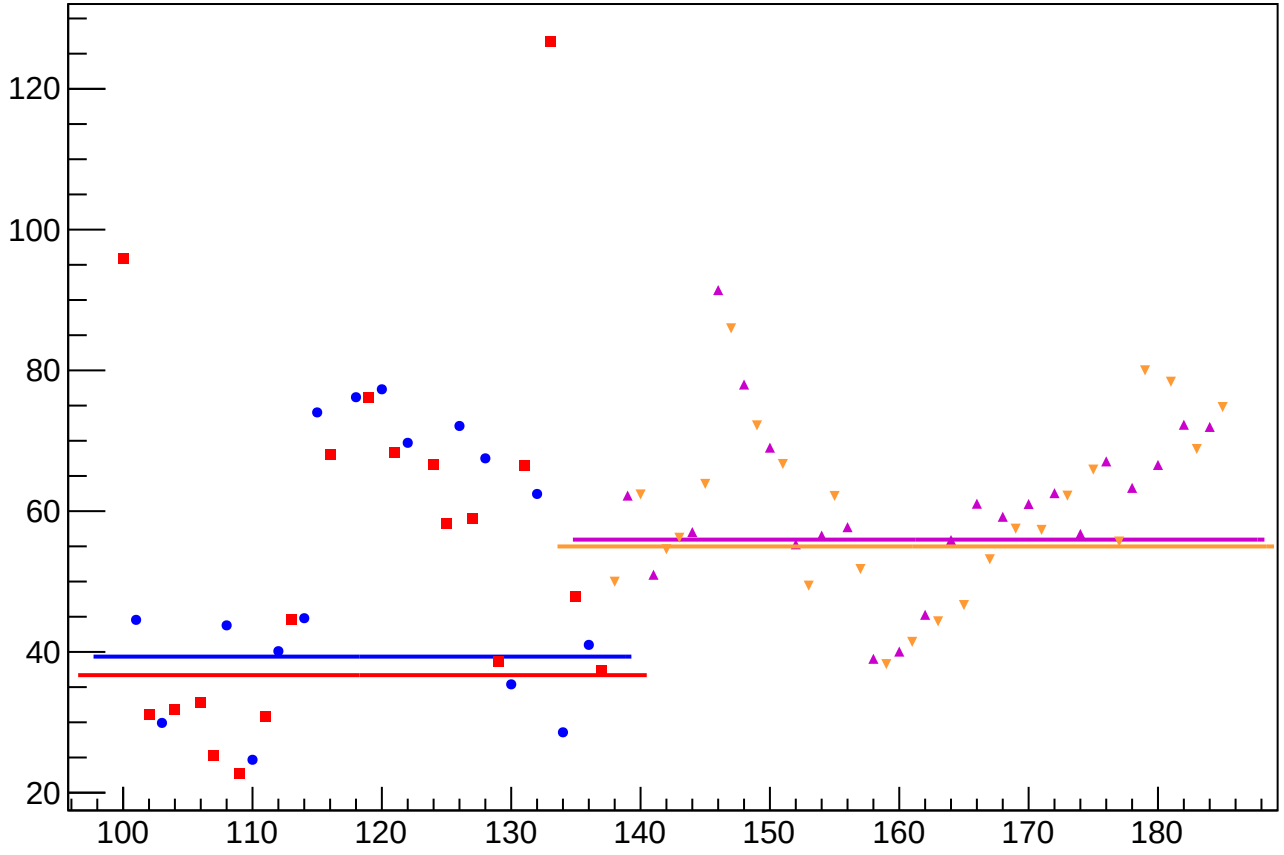
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.3/40

All: 0.014+/-0.007 χ^2/NDF: 91.4/82

- sign 0.007+/-0.010 χ^2/NDF: 35.2/41

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

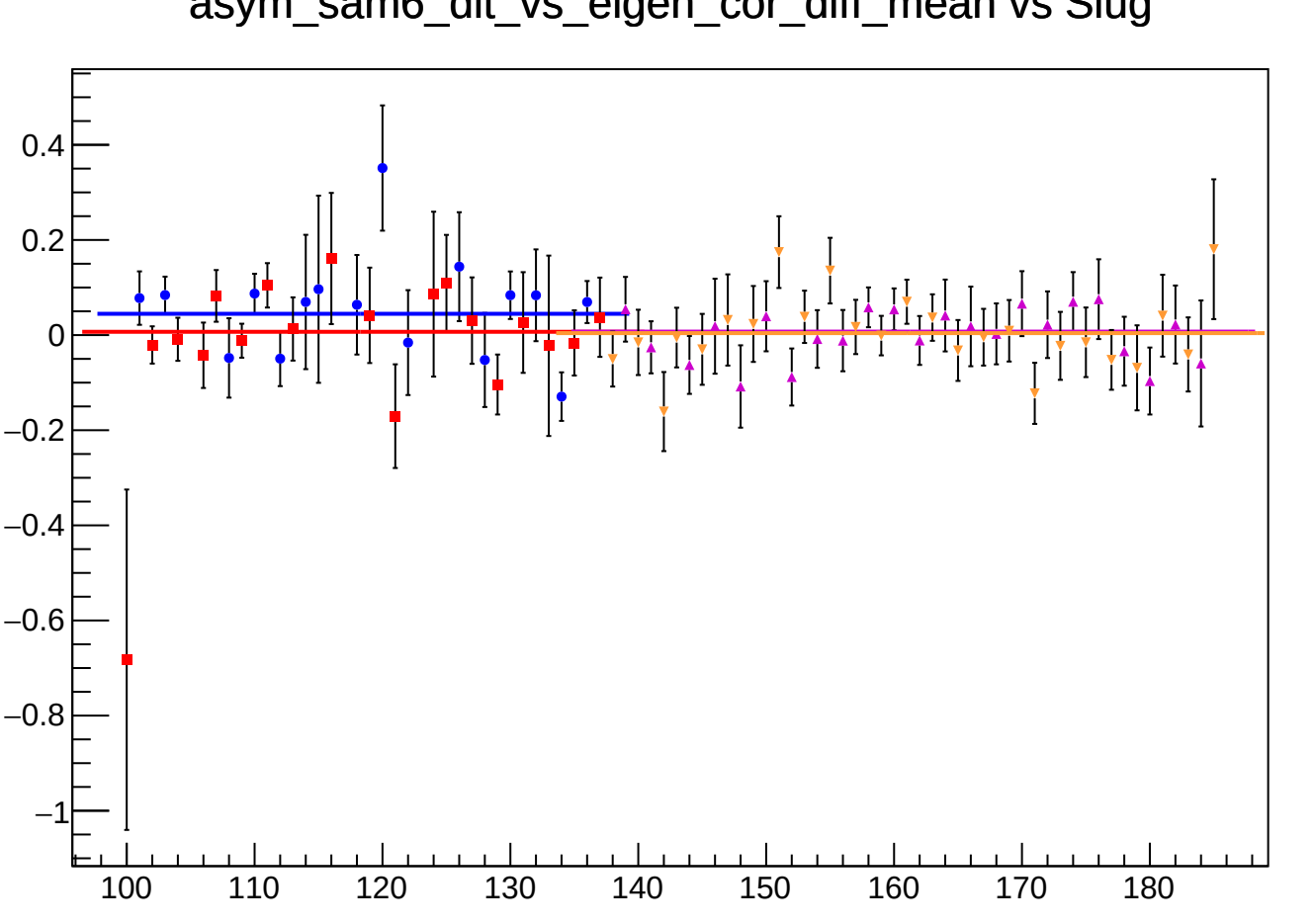
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

\+ sign 48.799+/-0.007 χ^2/NDF: 4287514.2/40

All: 48.097+/-0.005 χ^2/NDF: 9613865.1/82

\- sign 47.396+/-0.007 χ^2/NDF: 5306951.0/41



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

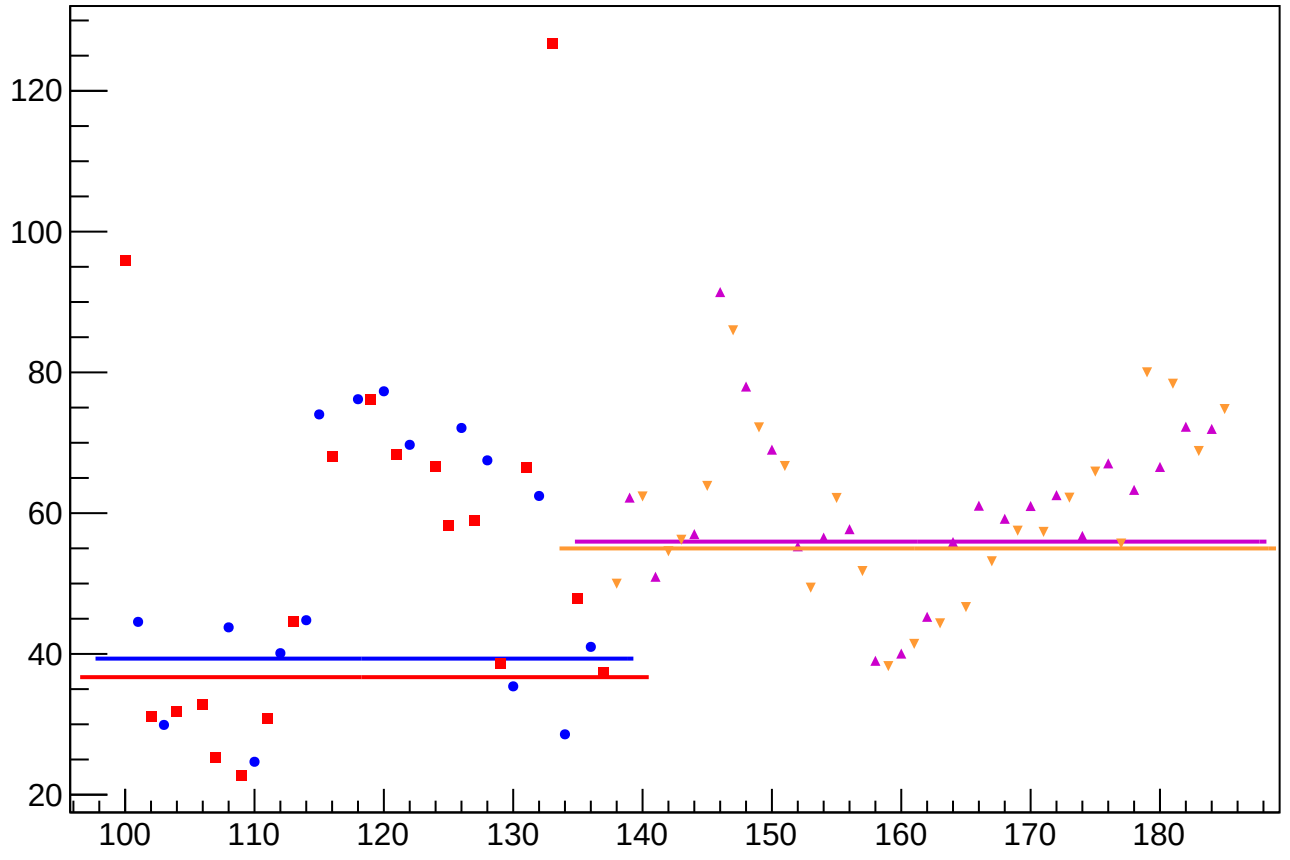
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.3/40

All: 0.014+/-0.007 χ^2/NDF: 91.4/82

- 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: 54.986+/-0.009 χ^2/NDF:1566844.0/24

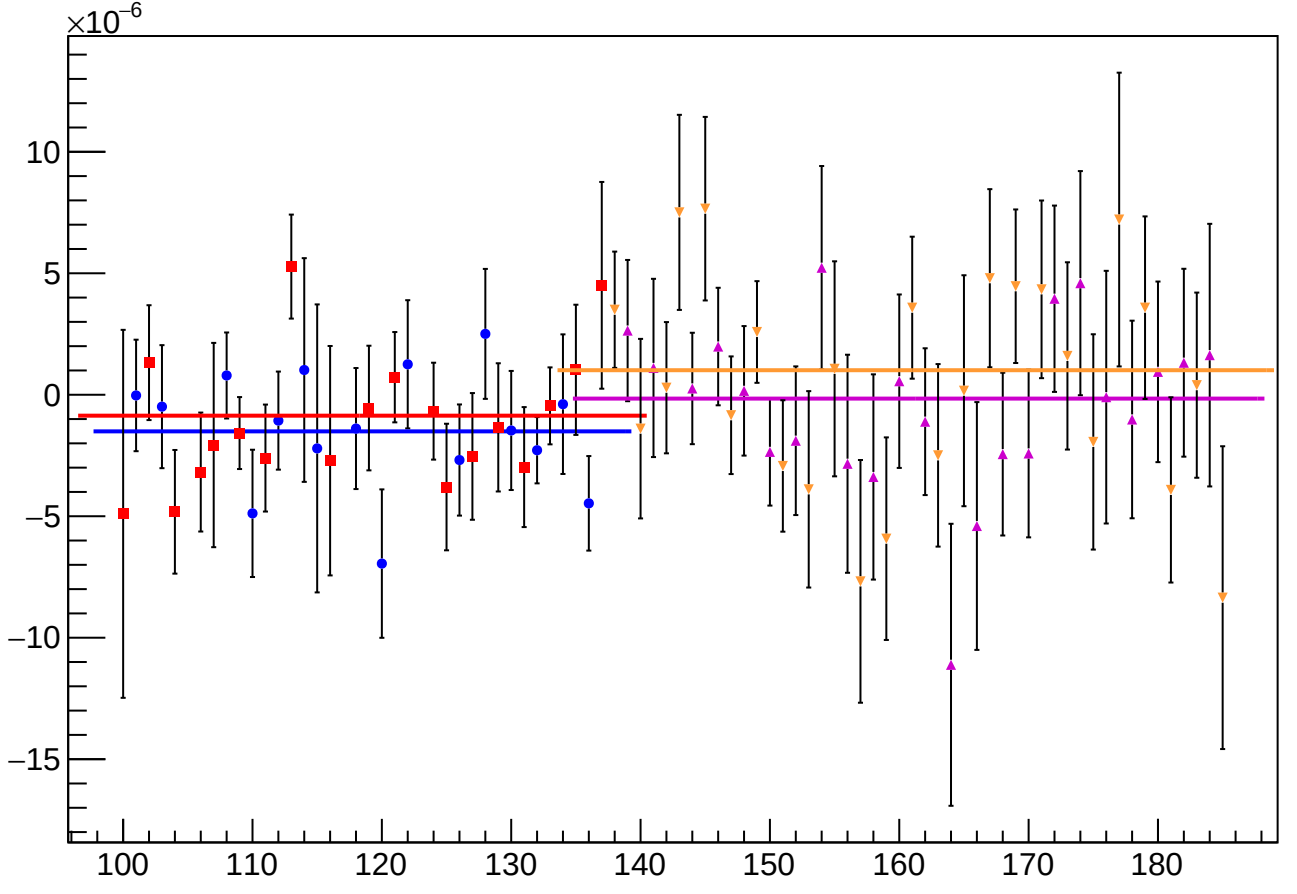
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 48.799+/-0.007 χ^2/NDF: 4287514.2/40

All: 48.097+/-0.005 χ^2/NDF: 9613865.1/82

- 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:28.5/24

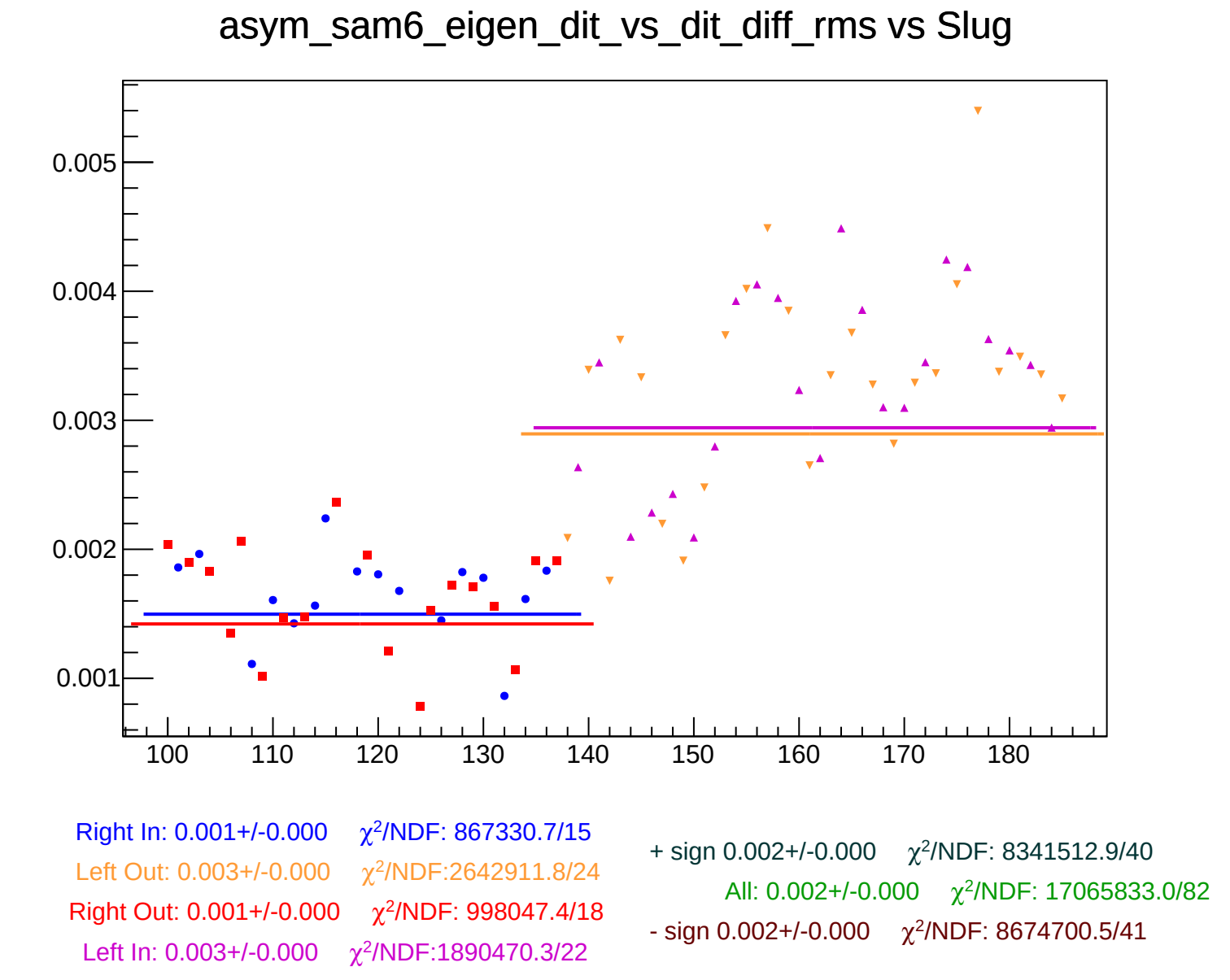
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

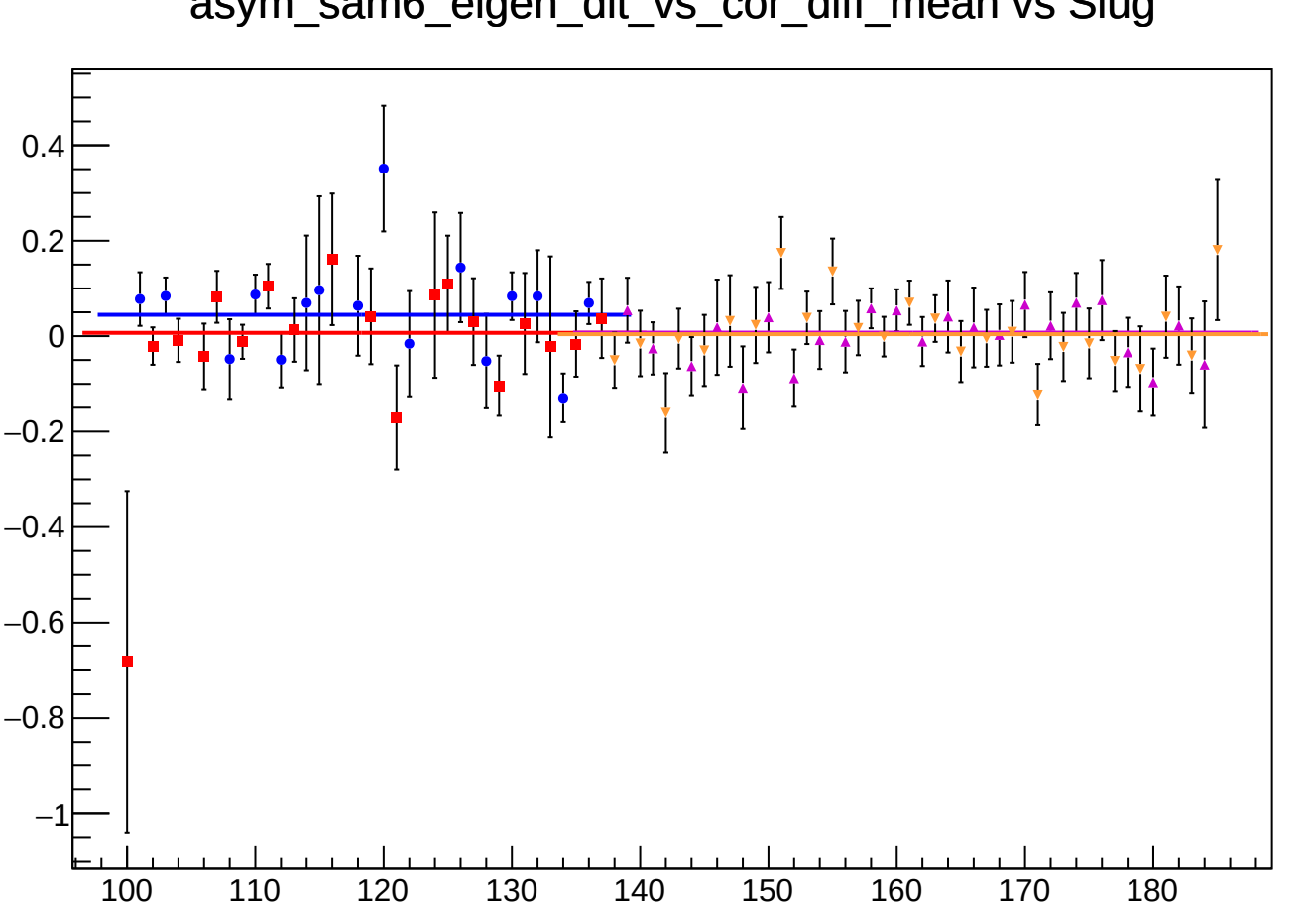
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.3/40

All: -0.000+/-0.000 χ^2/NDF: 84.1/82

- sign -0.000+/-0.000 χ^2/NDF: 33.8/41


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:2642911.8/24
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1890470.3/22
+ sign 0.002+/-0.000 χ²/NDF: 8341512.9/40
All: 0.002+/-0.000 χ²/NDF: 17065833.0/82
- sign 0.002+/-0.000 χ²/NDF: 8674700.5/41



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

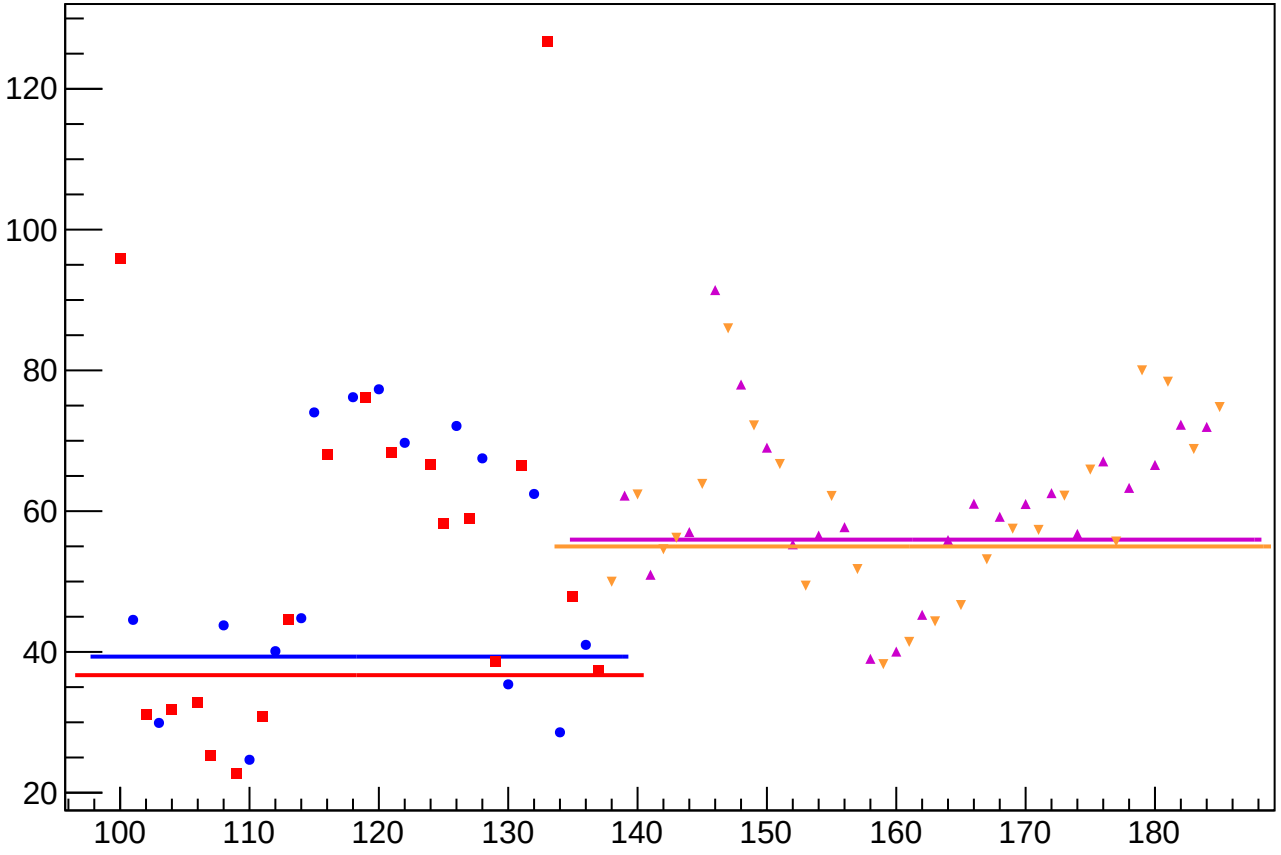
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.3/40

All: 0.014+/-0.007 χ^2/NDF: 91.4/82

- 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: 54.985+/-0.009 χ^2/NDF:1566963.9/24

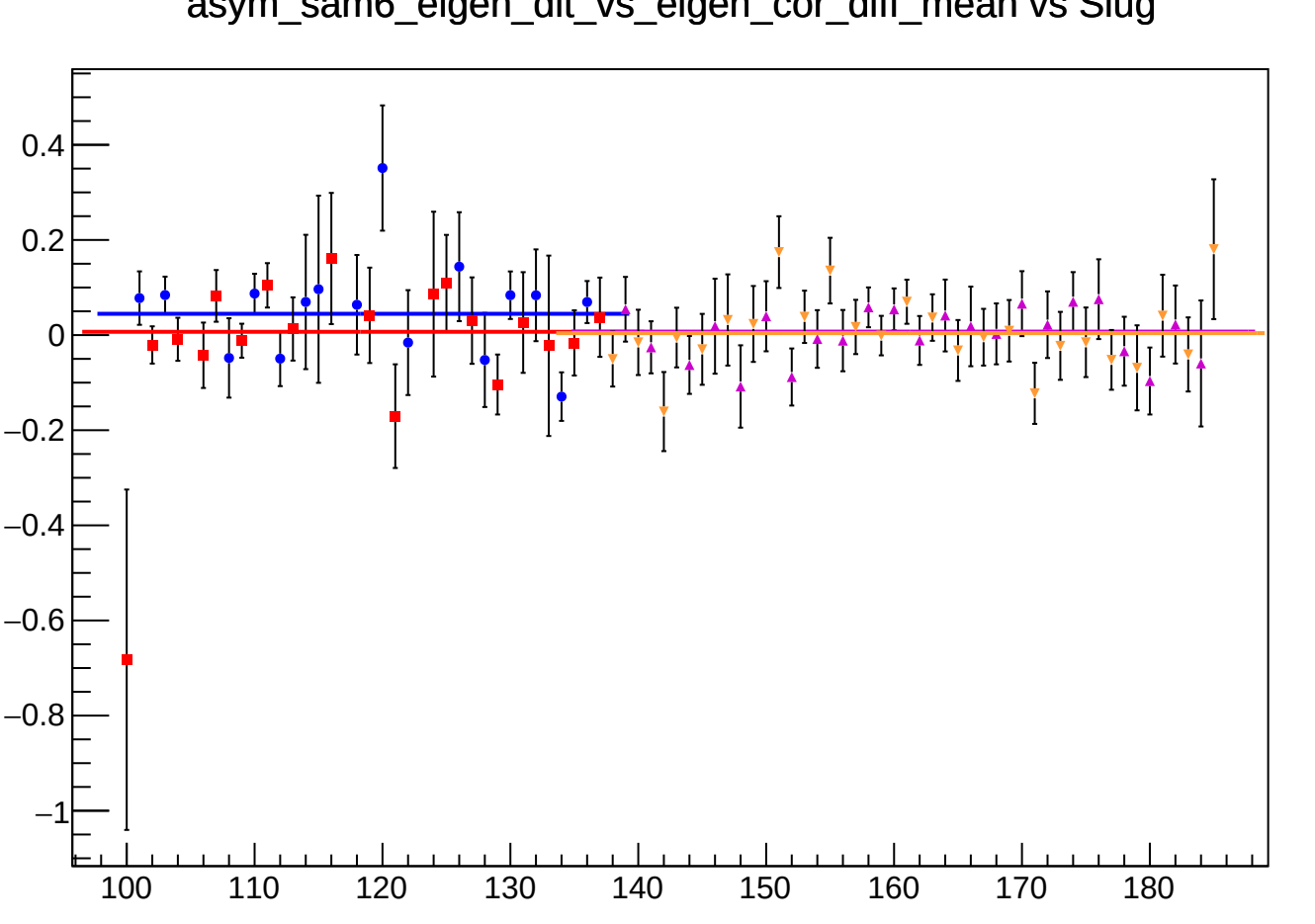
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 48.798+/-0.007 χ^2/NDF: 4287618.2/40

All: 48.097+/-0.005 χ^2/NDF: 9613998.7/82

- sign 47.395+/-0.007 χ^2/NDF: 5306983.4/41



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

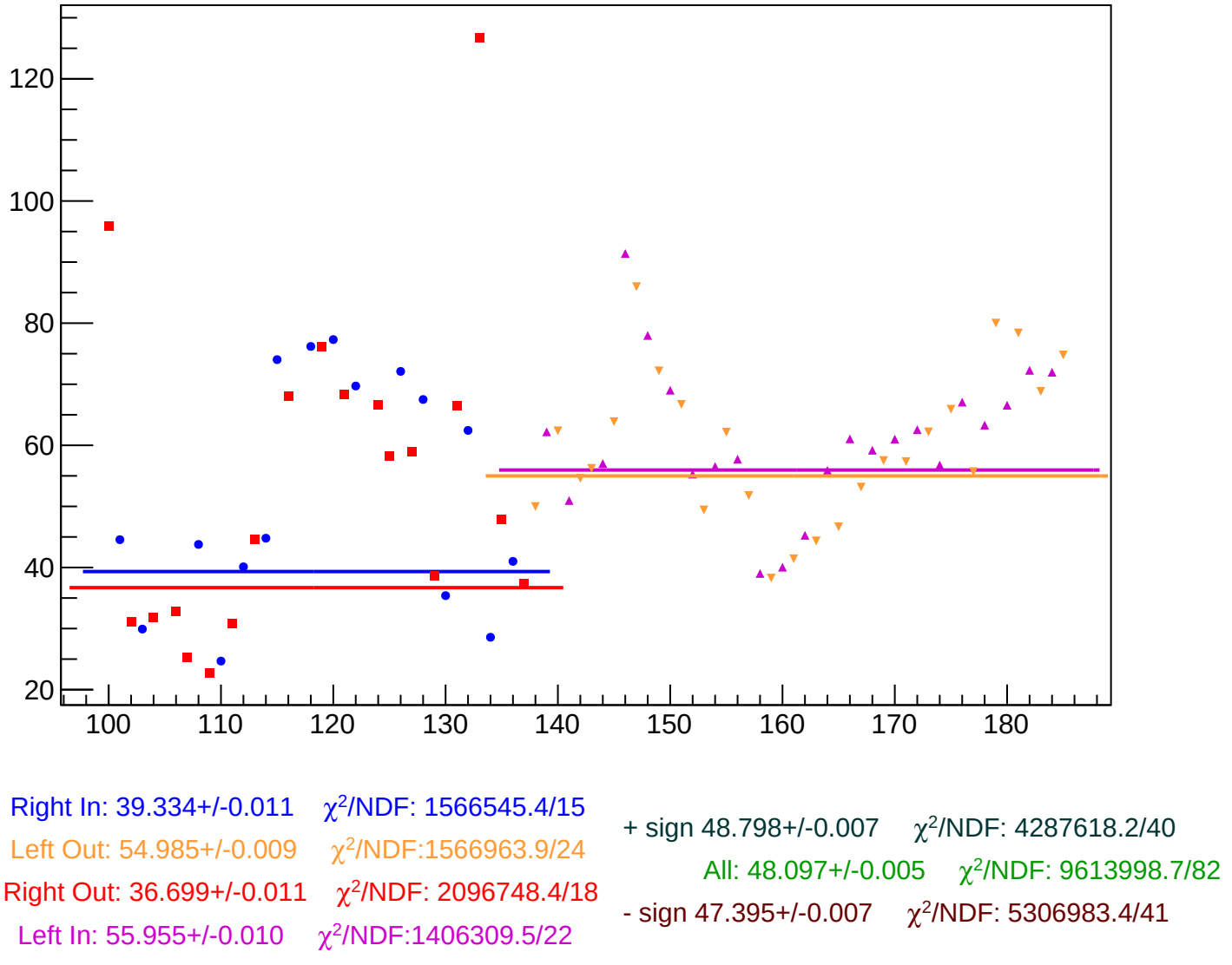
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

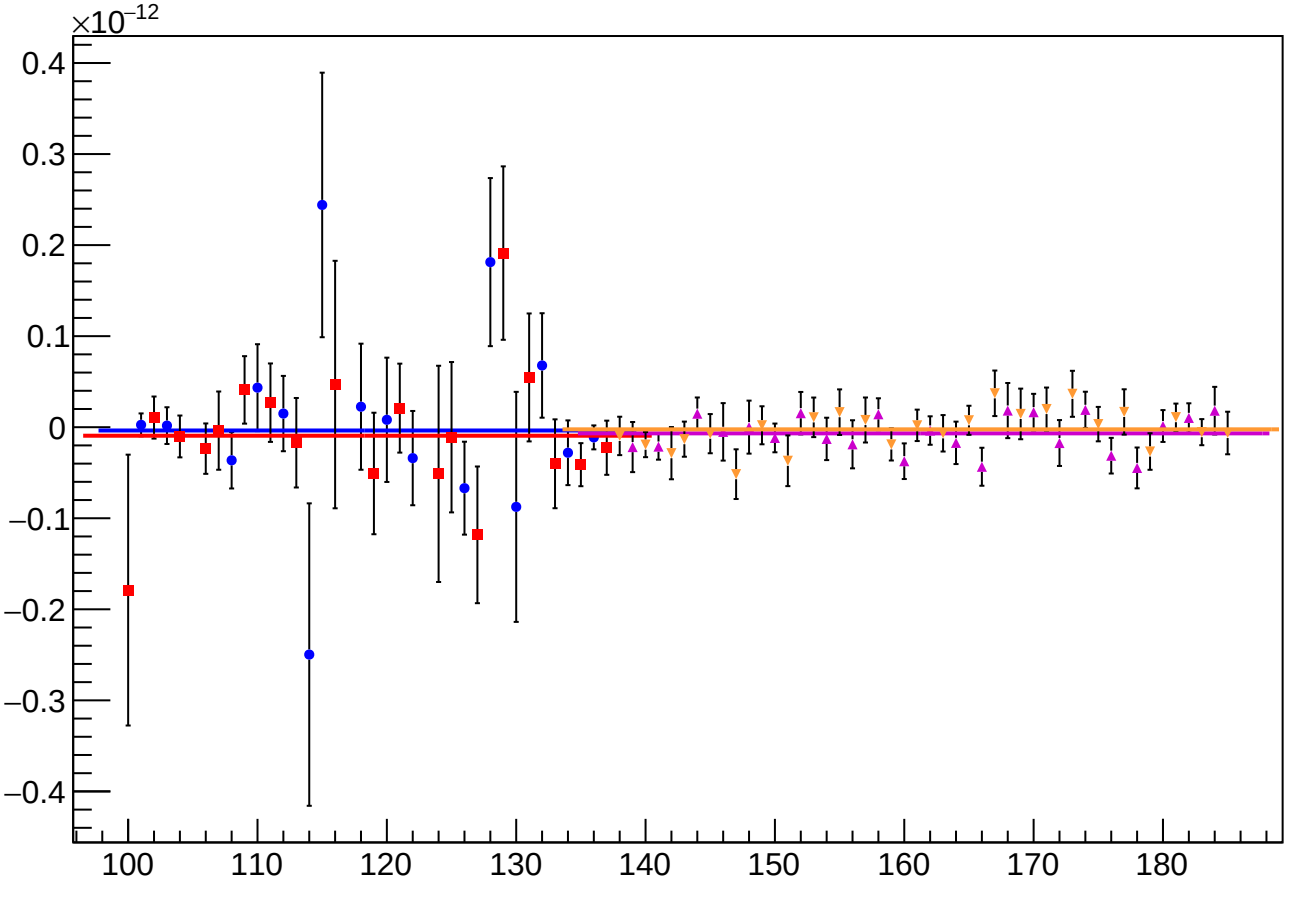
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.3/40

All: 0.014+/-0.007 χ^2/NDF: 91.4/82

- sign 0.007+/-0.010 χ^2/NDF: 35.2/41


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 39.334+/-0.011 χ²/NDF: 1566545.4/15
Left Out: 54.985+/-0.009 χ²/NDF:1566963.9/24
Right Out: 36.699+/-0.011 χ²/NDF: 2096748.4/18
Left In: 55.955+/-0.010 χ²/NDF:1406309.5/22
+ sign 48.798+/-0.007 χ²/NDF: 4287618.2/40
All: 48.097+/-0.005 χ²/NDF: 9613998.7/82
- sign 47.395+/-0.007 χ²/NDF: 5306983.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

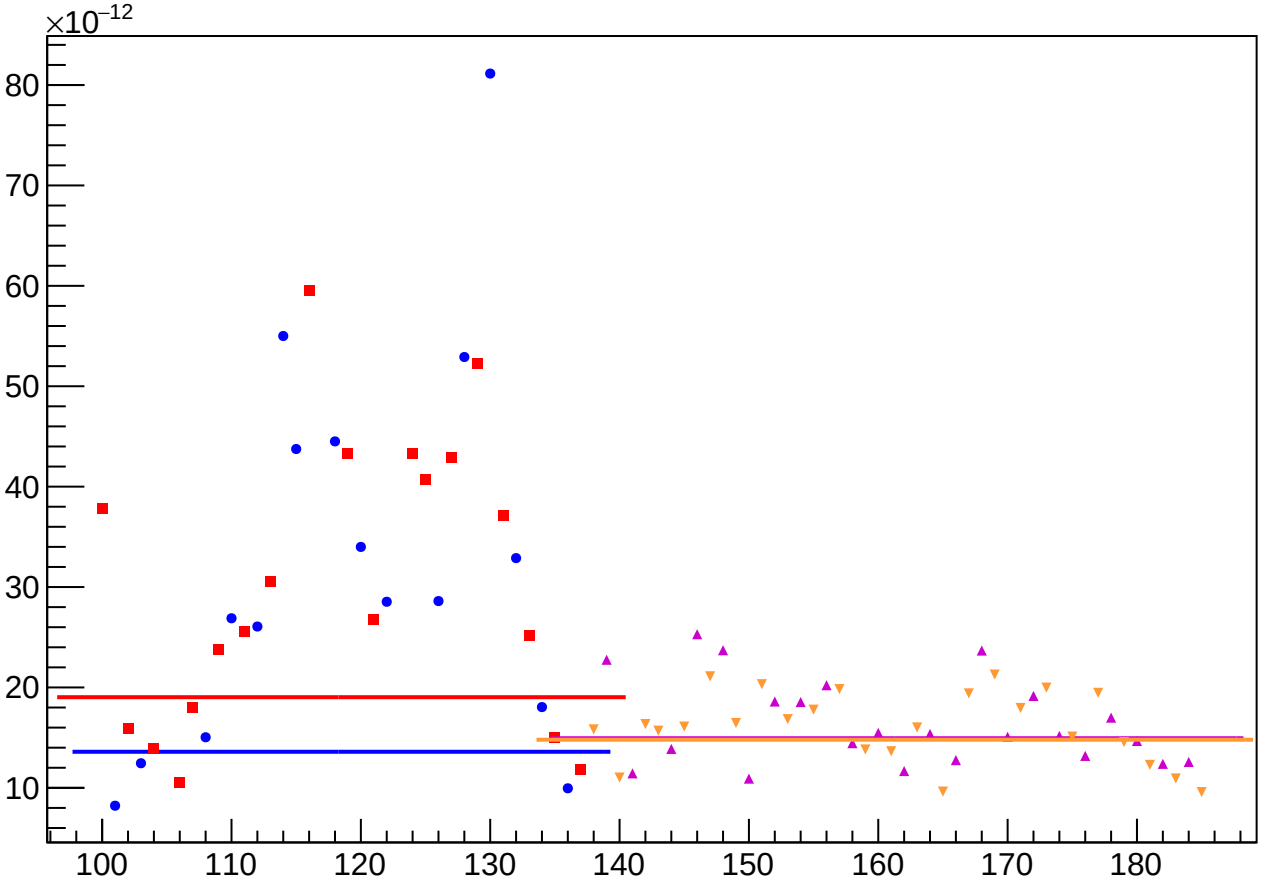
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/40

All: -0.000+/-0.000 χ^2/NDF: 74.4/82

- 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:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

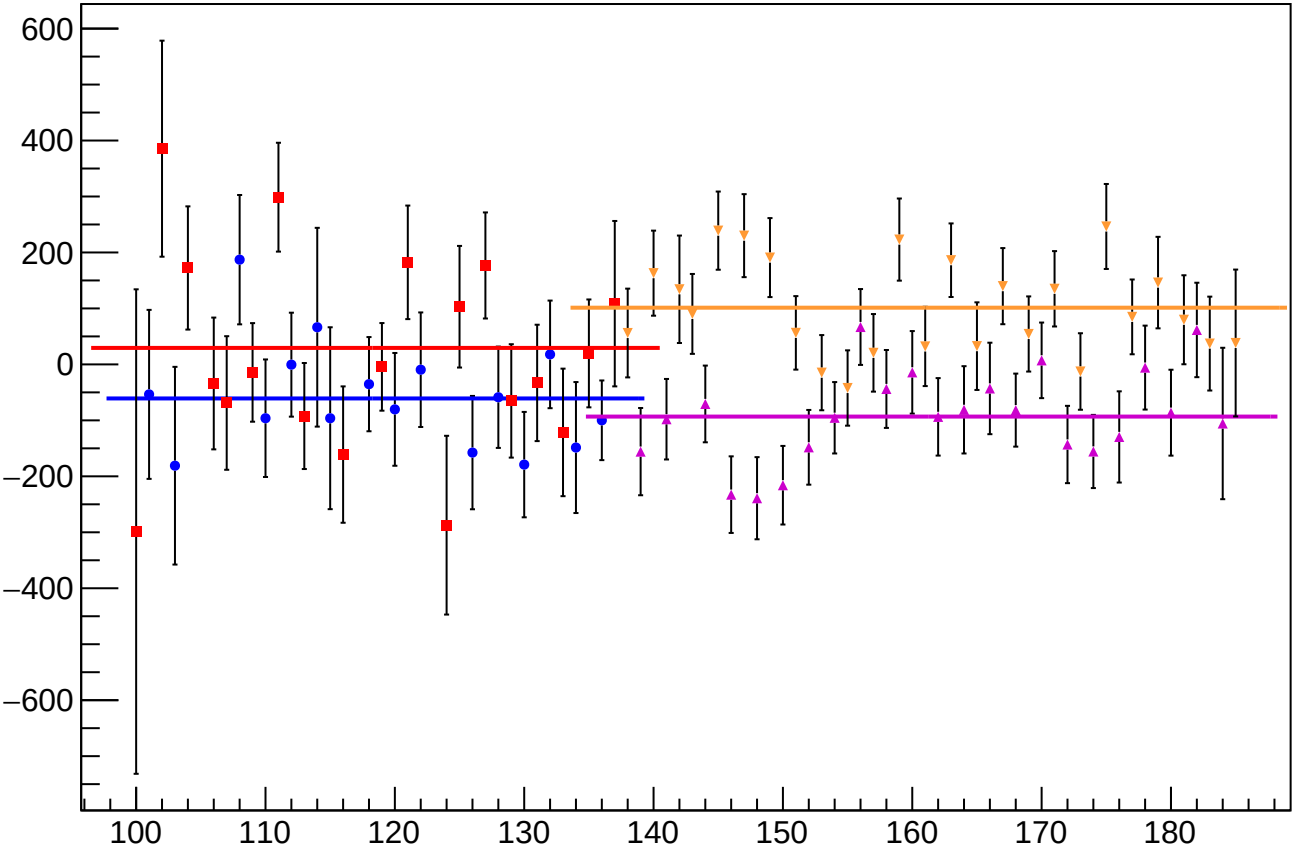
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4631078.7/40

All: 0.000+/-0.000 χ^2/NDF: 8538976.3/82

- 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: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

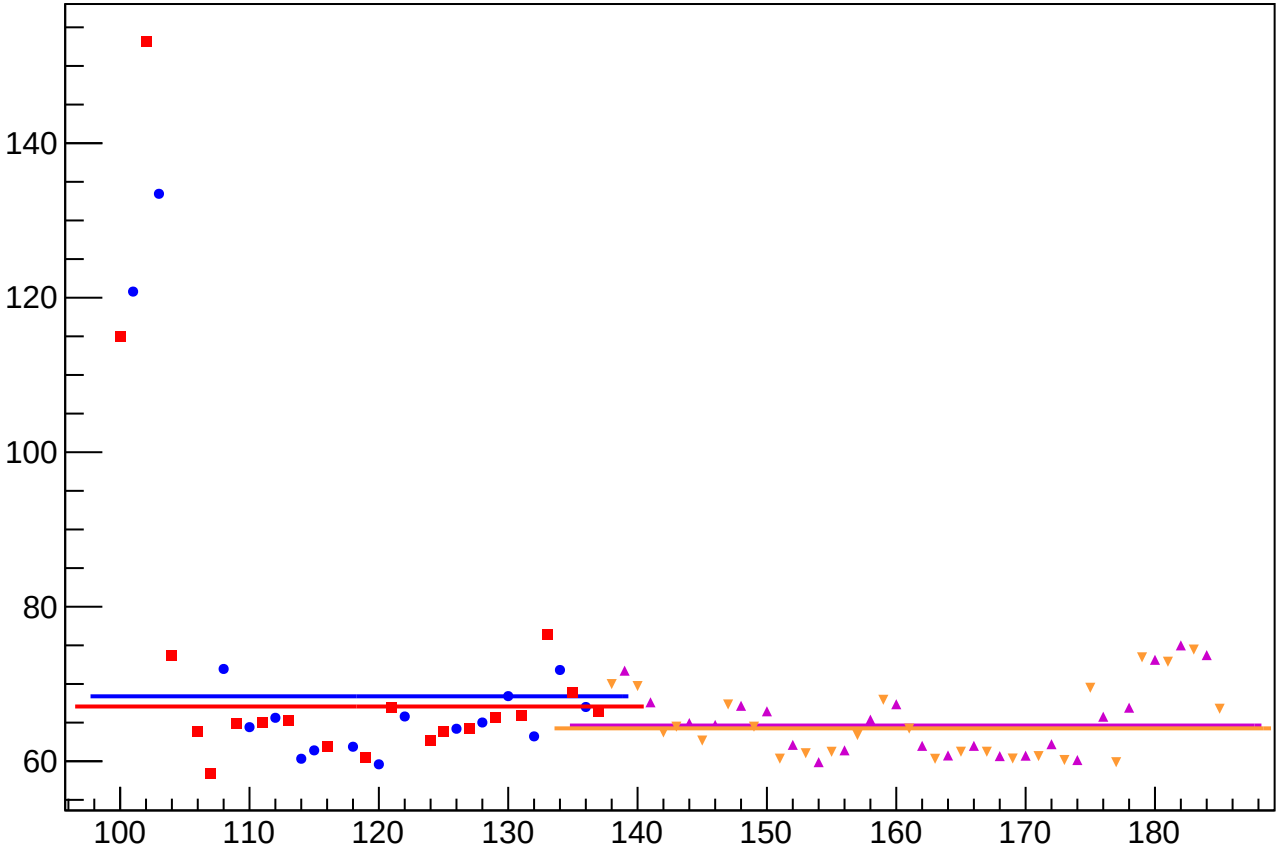
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 62.400+/-12.764 χ^2/NDF: 73.9/40

All: 1.886+/-9.095 χ^2/NDF: 197.1/82

- 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: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

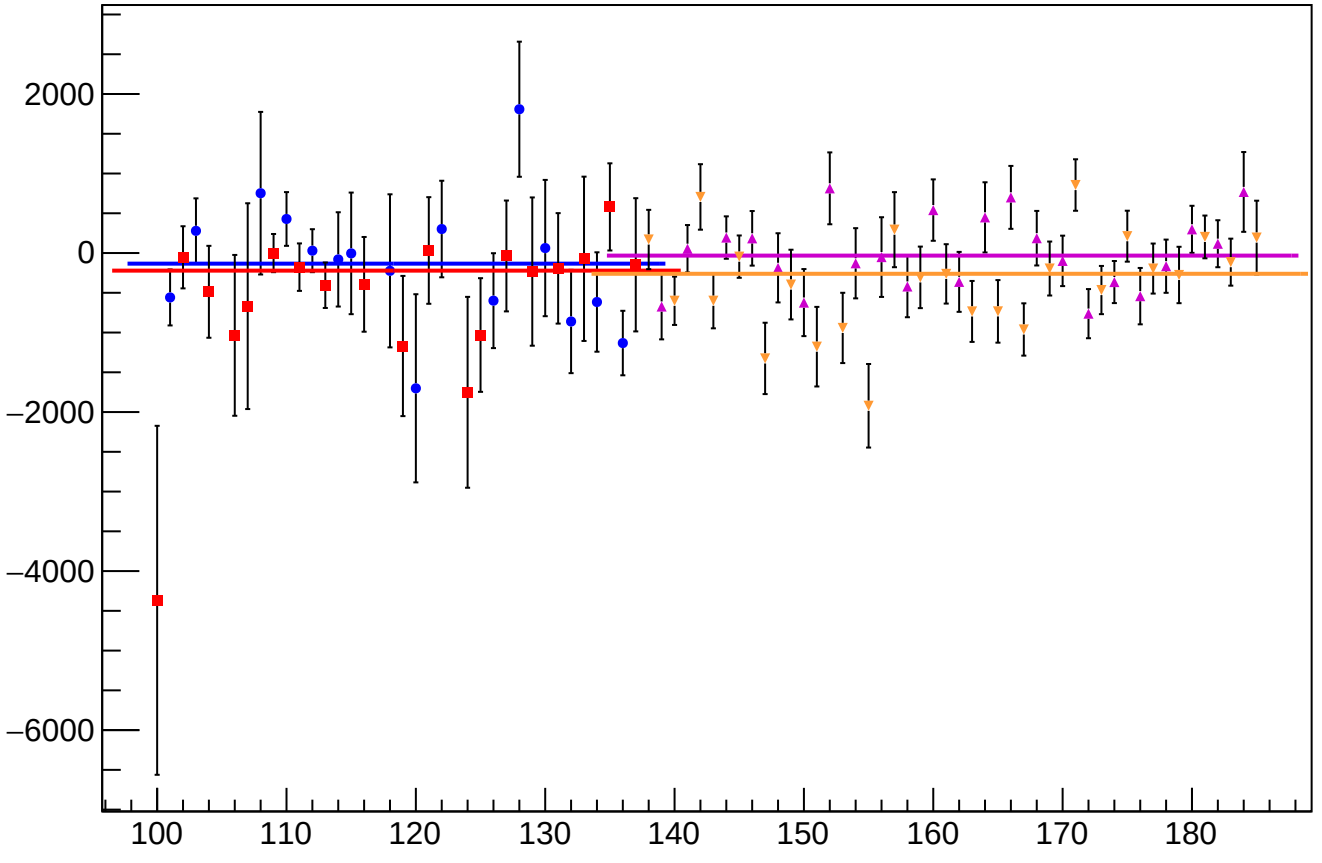
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.251+/-0.009 χ^2/NDF: 785777.4/40

All: 65.264+/-0.006 χ^2/NDF: 1428933.7/82

- 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: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

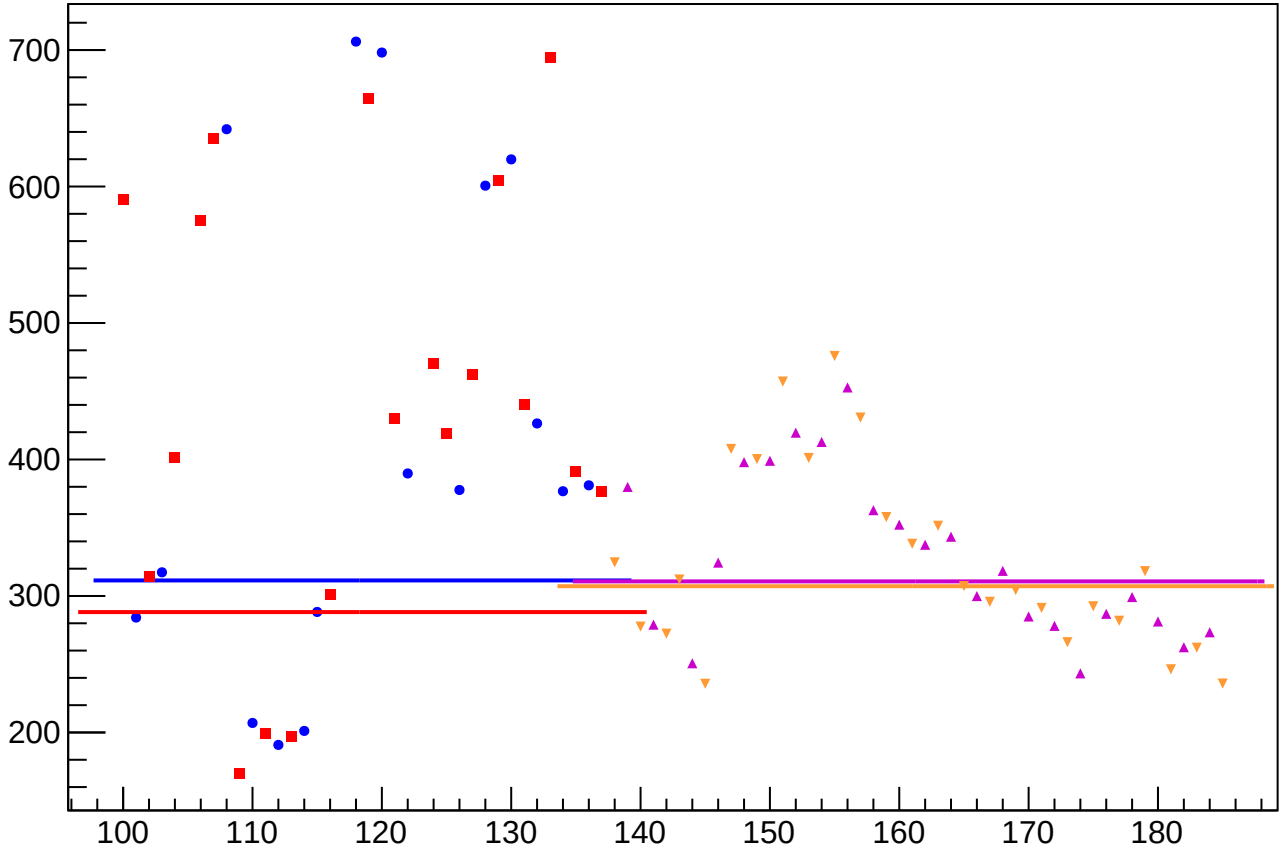
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -230.176+/-62.021 χ^2/NDF: 82.1/40

All: -158.571+/-44.045 χ^2/NDF: 130.9/82

- 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: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

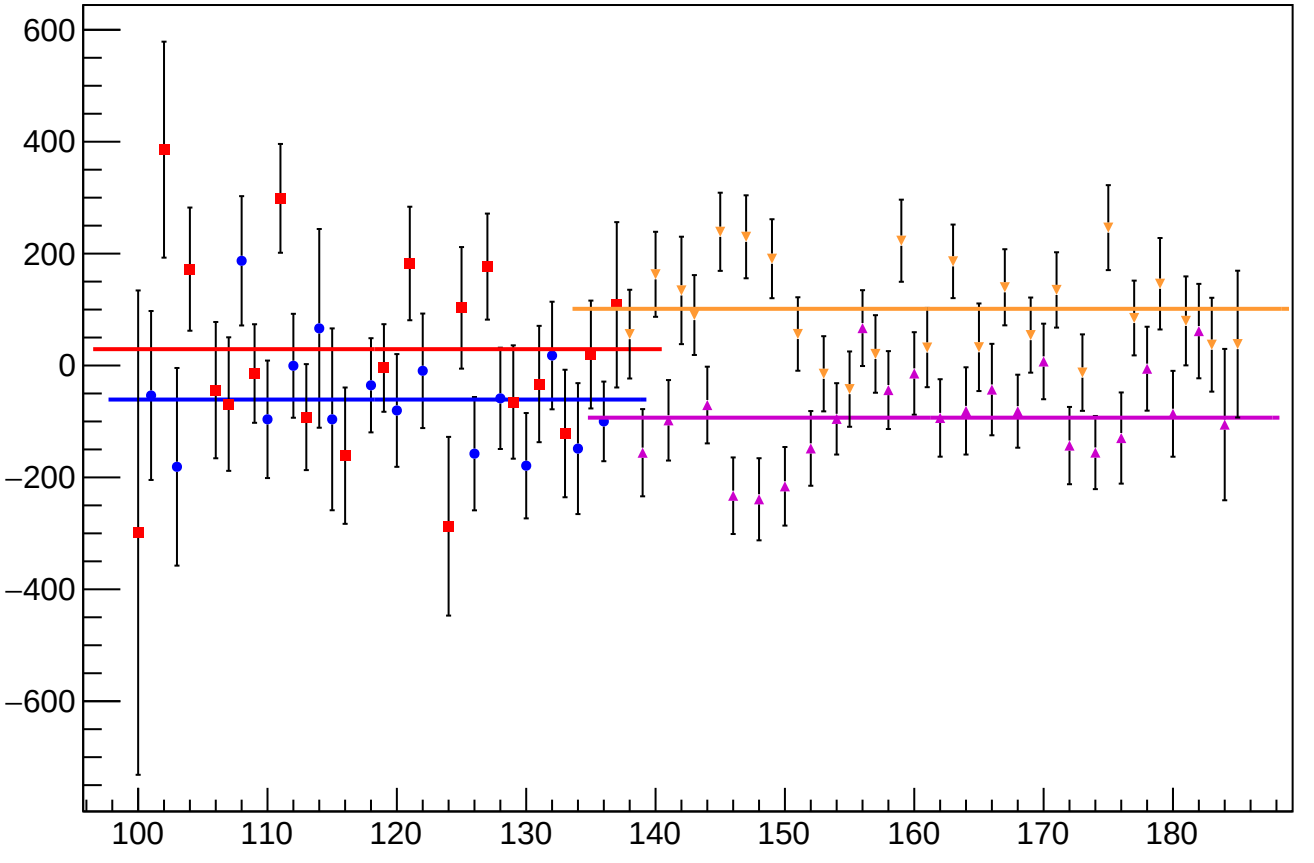
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 308.173+/-0.044 χ^2/NDF: 3445669.0/40

All: 306.279+/-0.031 χ^2/NDF: 7296648.8/82

- 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: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

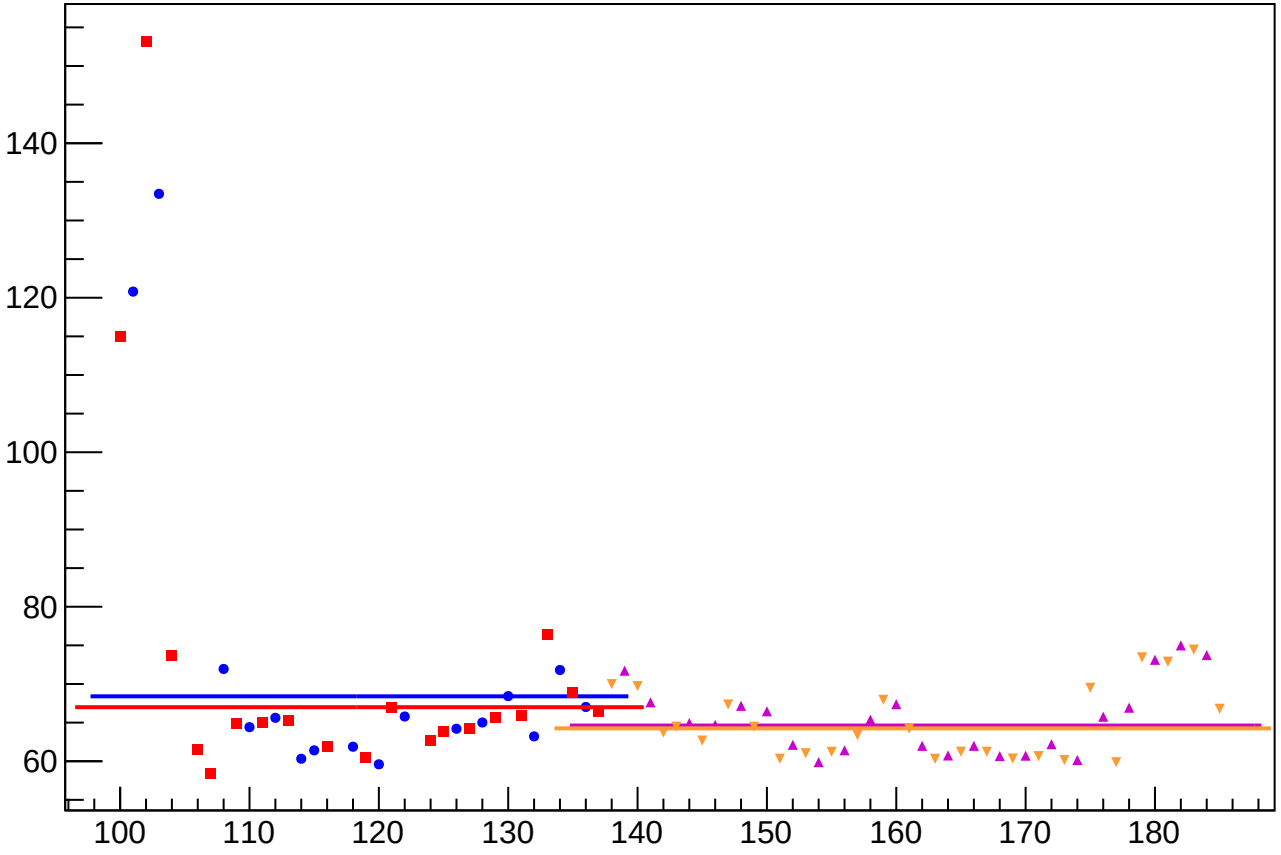
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

\+ sign 62.400+/-12.764 χ^2/NDF: 73.9/40

All: 1.844+/-9.097 χ^2/NDF: 197.2/82

\- 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: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

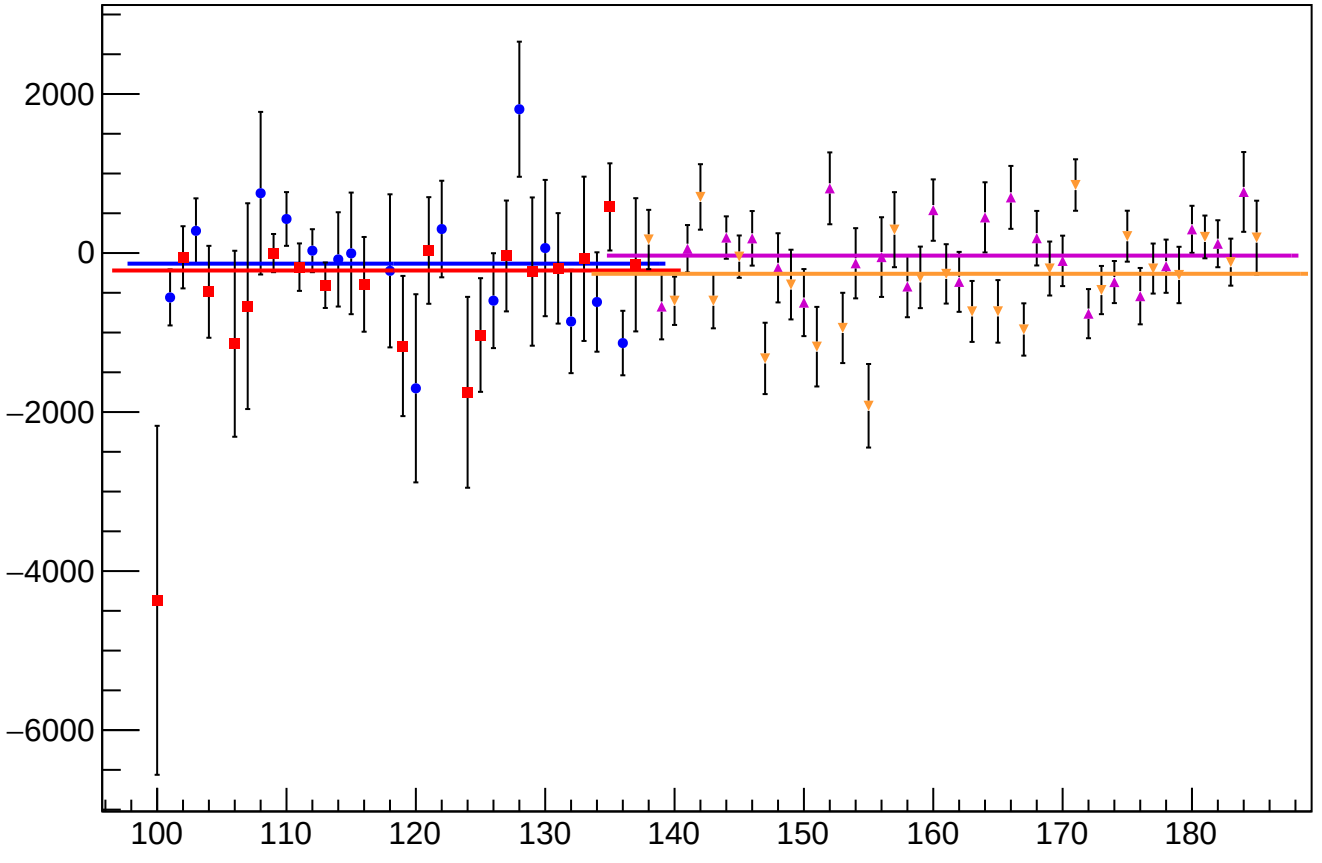
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.251+/-0.009 χ^2/NDF: 785777.7/40

All: 65.252+/-0.006 χ^2/NDF: 1430547.6/82

- 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: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

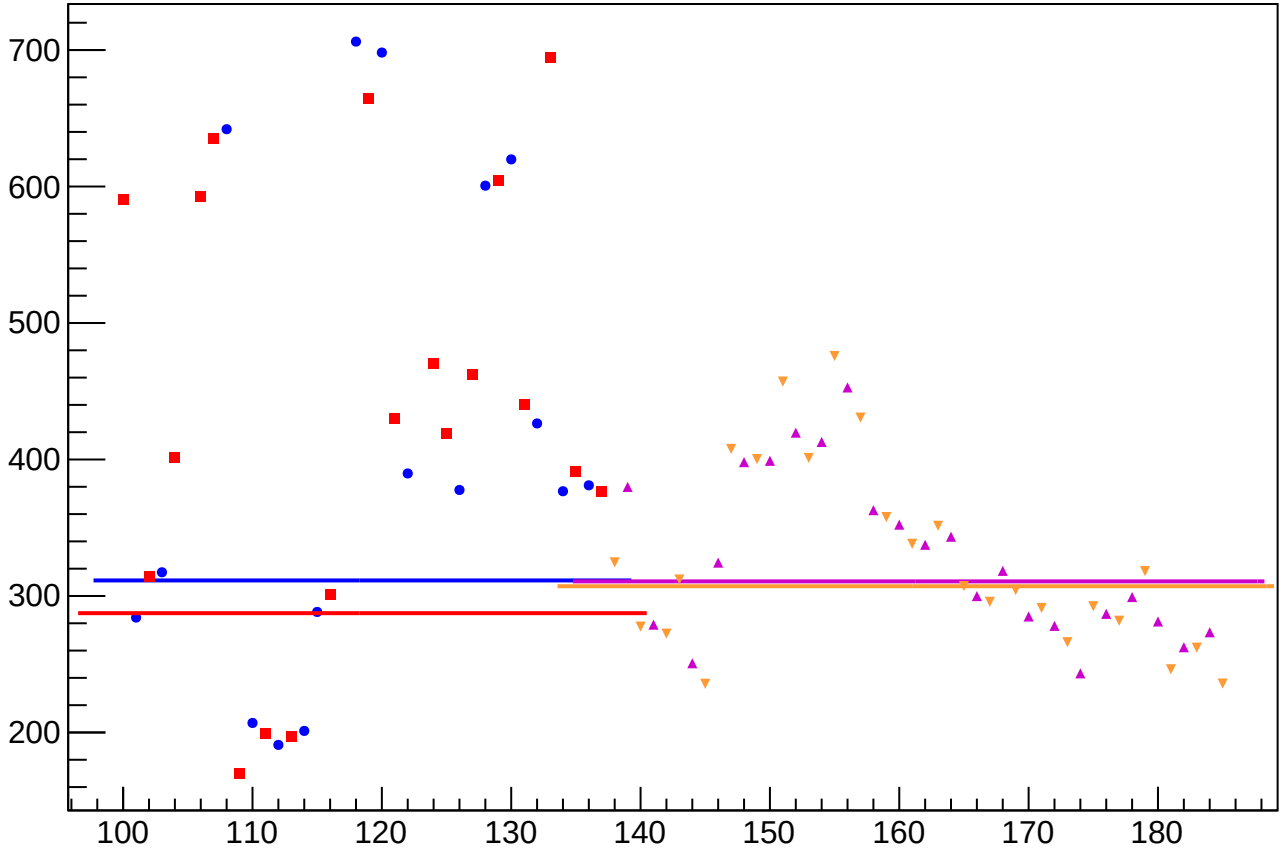
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -230.176+/-62.021 χ^2/NDF: 82.1/40

All: -158.301+/-44.056 χ^2/NDF: 130.8/82

- 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: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

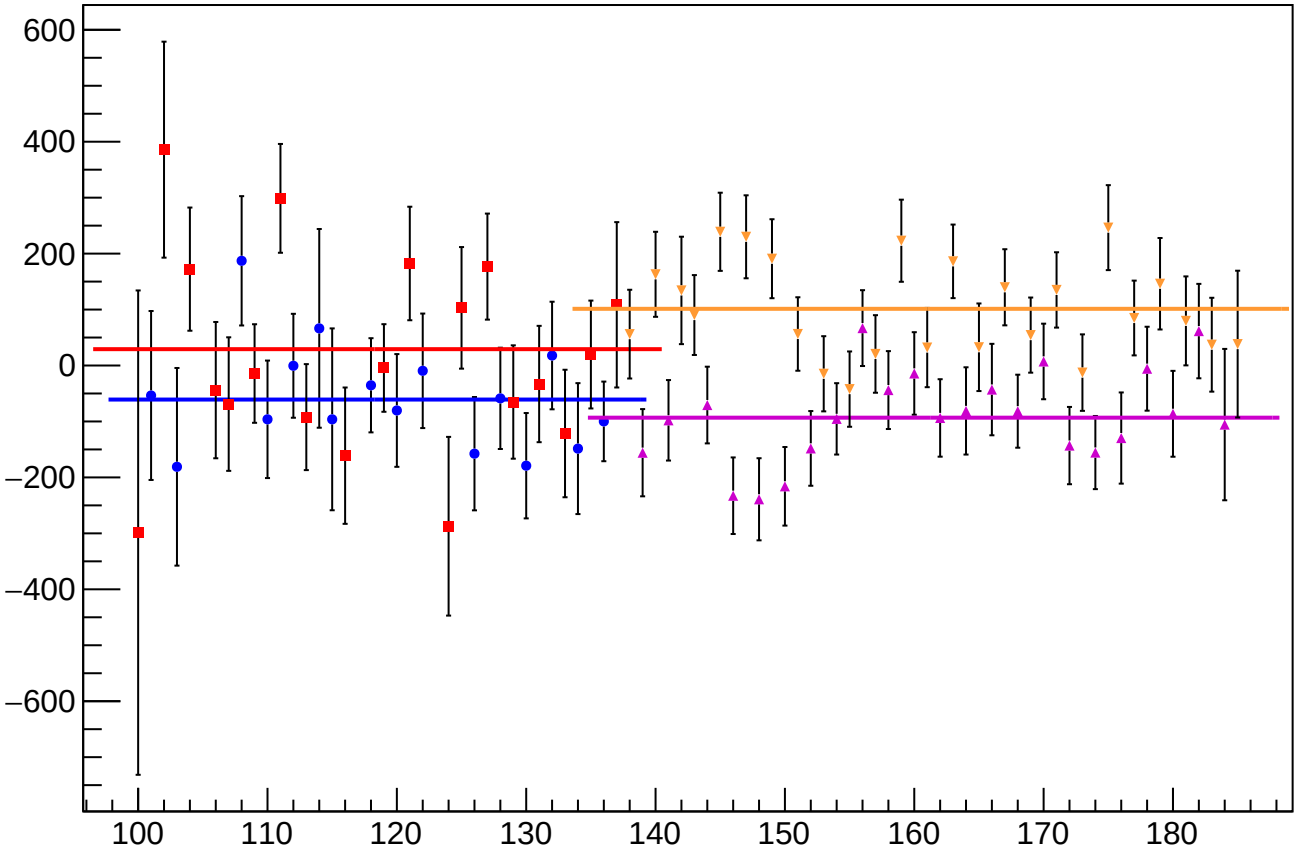
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 308.173+/-0.044 χ^2/NDF: 3445668.3/40

All: 306.178+/-0.031 χ^2/NDF: 7275556.1/82

- 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: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

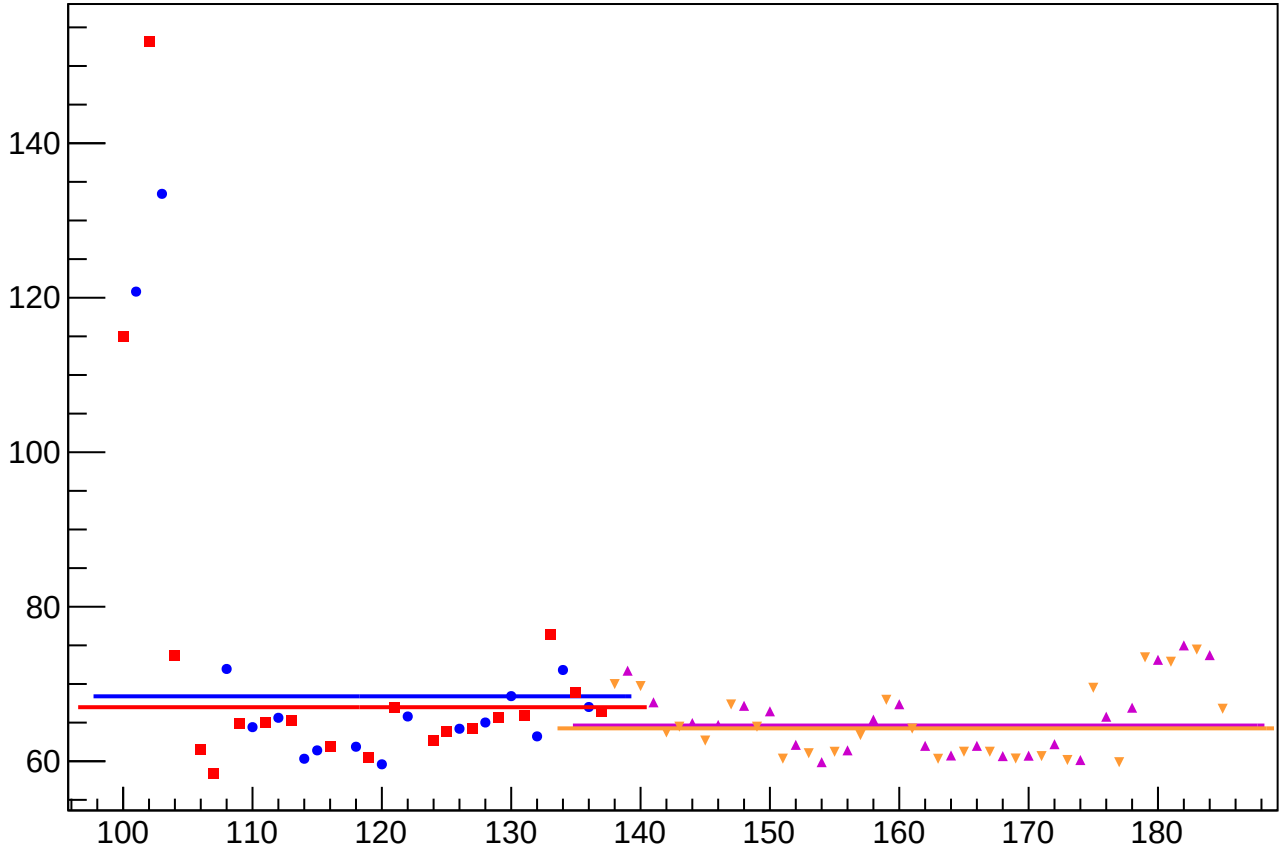
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 62.400+/-12.764 χ^2/NDF: 73.9/40

All: 1.844+/-9.097 χ^2/NDF: 197.2/82

- 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: 64.256+/-0.010 χ^2/NDF:177697.9/24

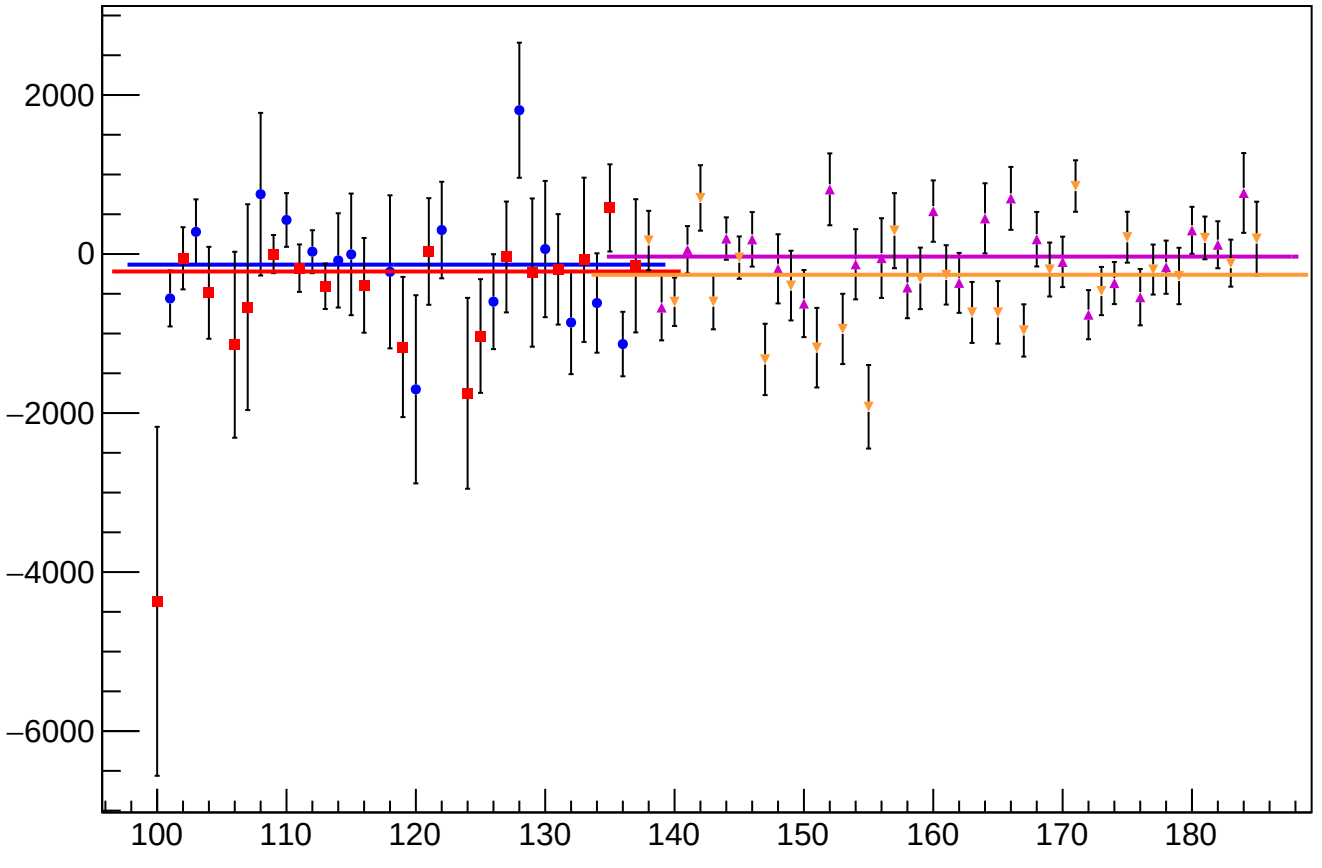
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.251+/-0.009 χ^2/NDF: 785777.7/40

All: 65.252+/-0.006 χ^2/NDF: 1430547.6/82

- 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: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

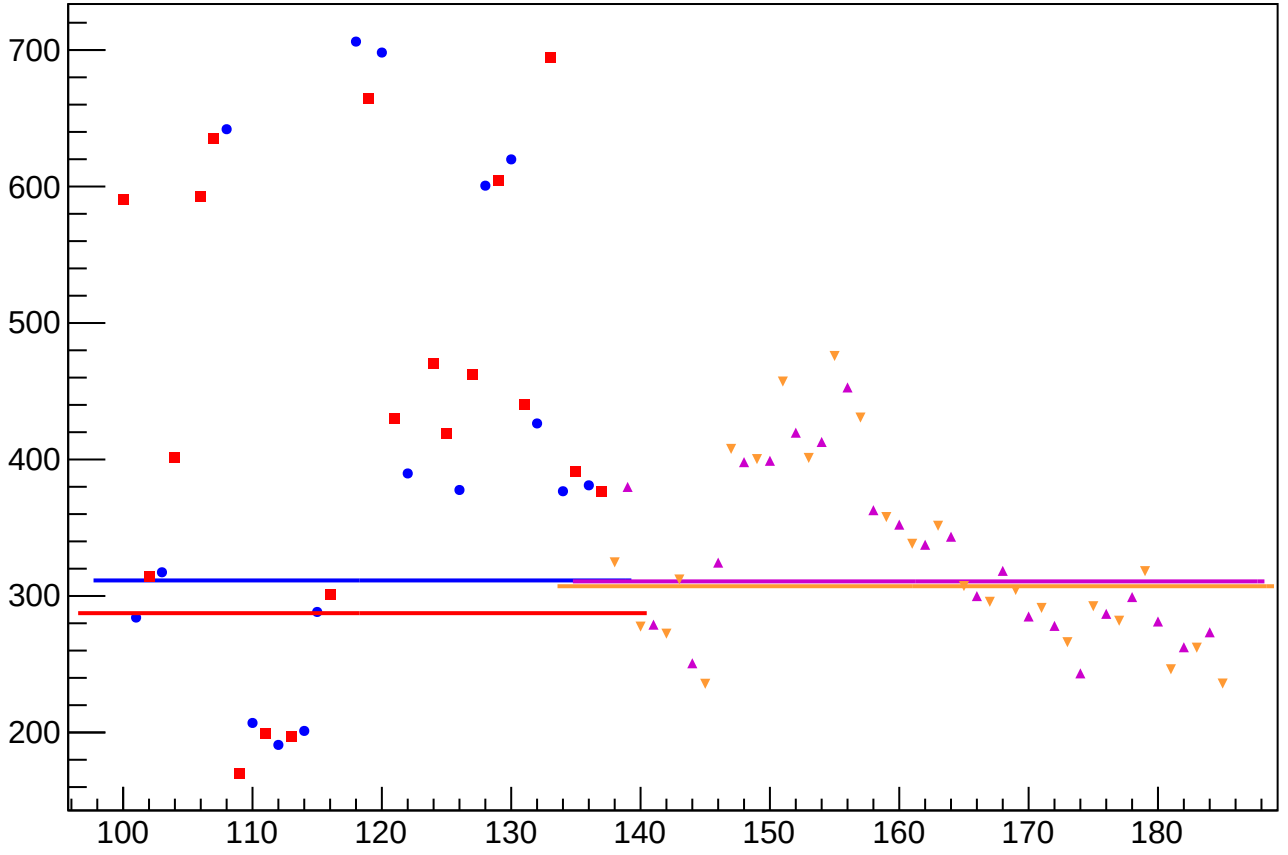
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -230.176+/-62.021 χ^2/NDF: 82.1/40

All: -158.301+/-44.056 χ^2/NDF: 130.8/82

- 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: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

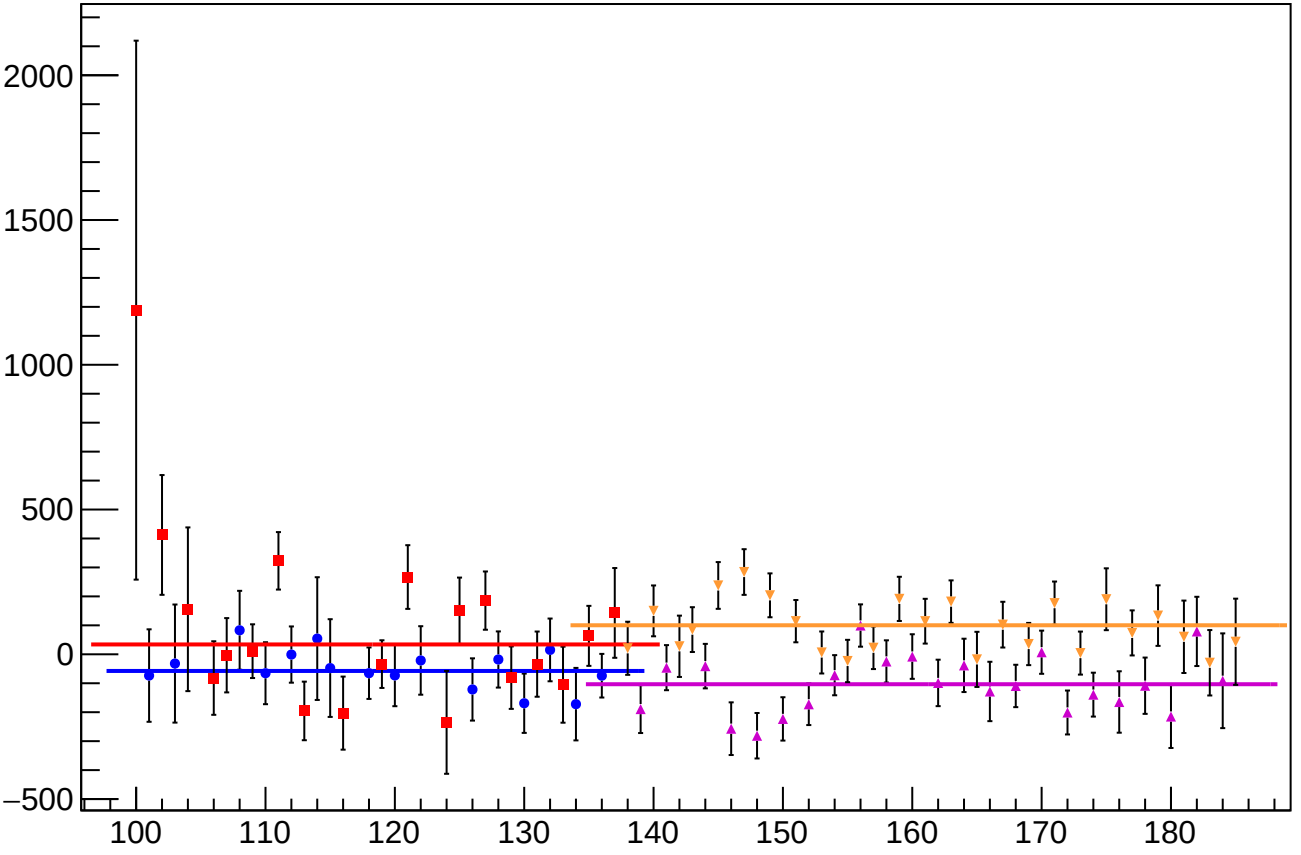
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 308.173+/-0.044 χ^2/NDF: 3445668.3/40

All: 306.178+/-0.031 χ^2/NDF: 7275556.1/82

- 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: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

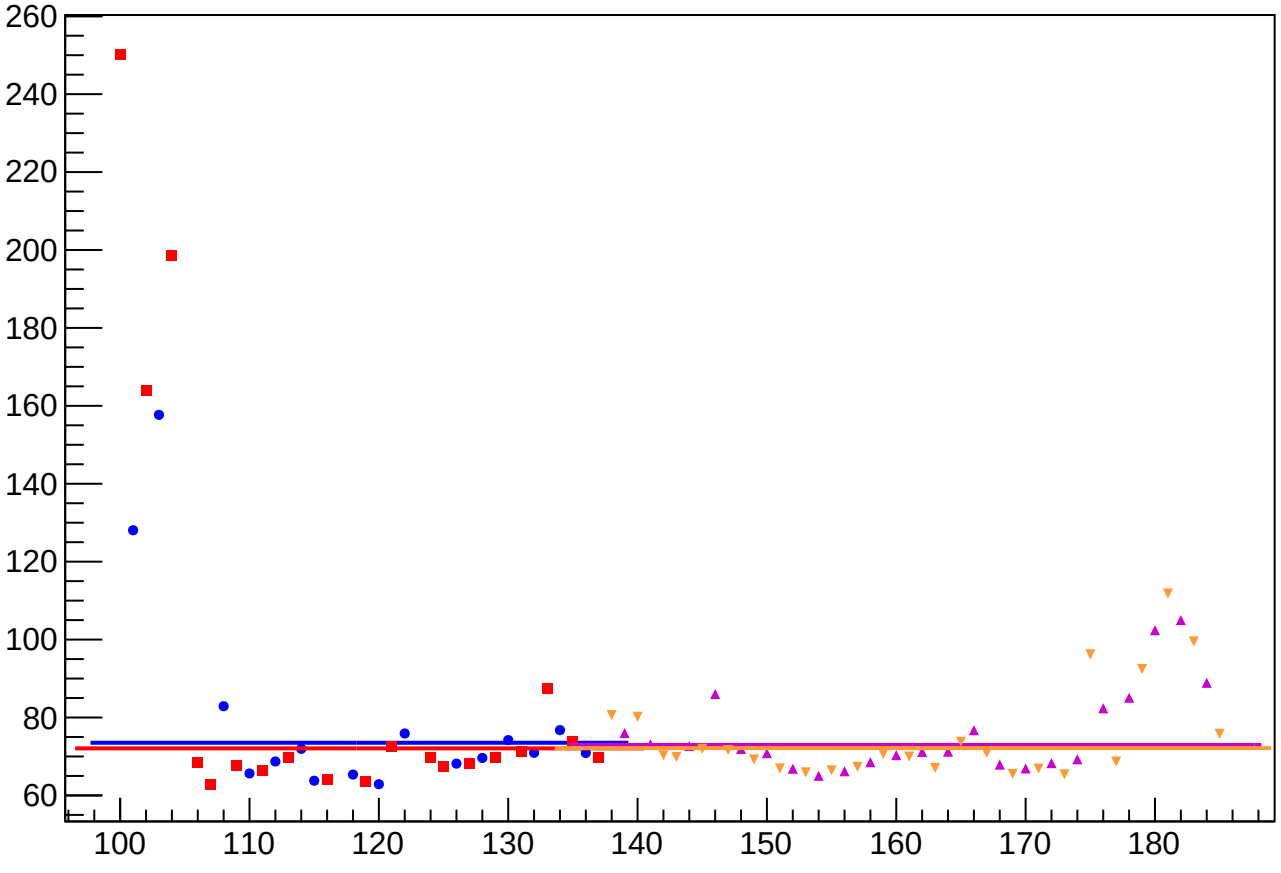
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.331+/-14.307 χ^2/NDF: 55.9/40

All: -1.226+/-10.220 χ^2/NDF: 180.4/82

- 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: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

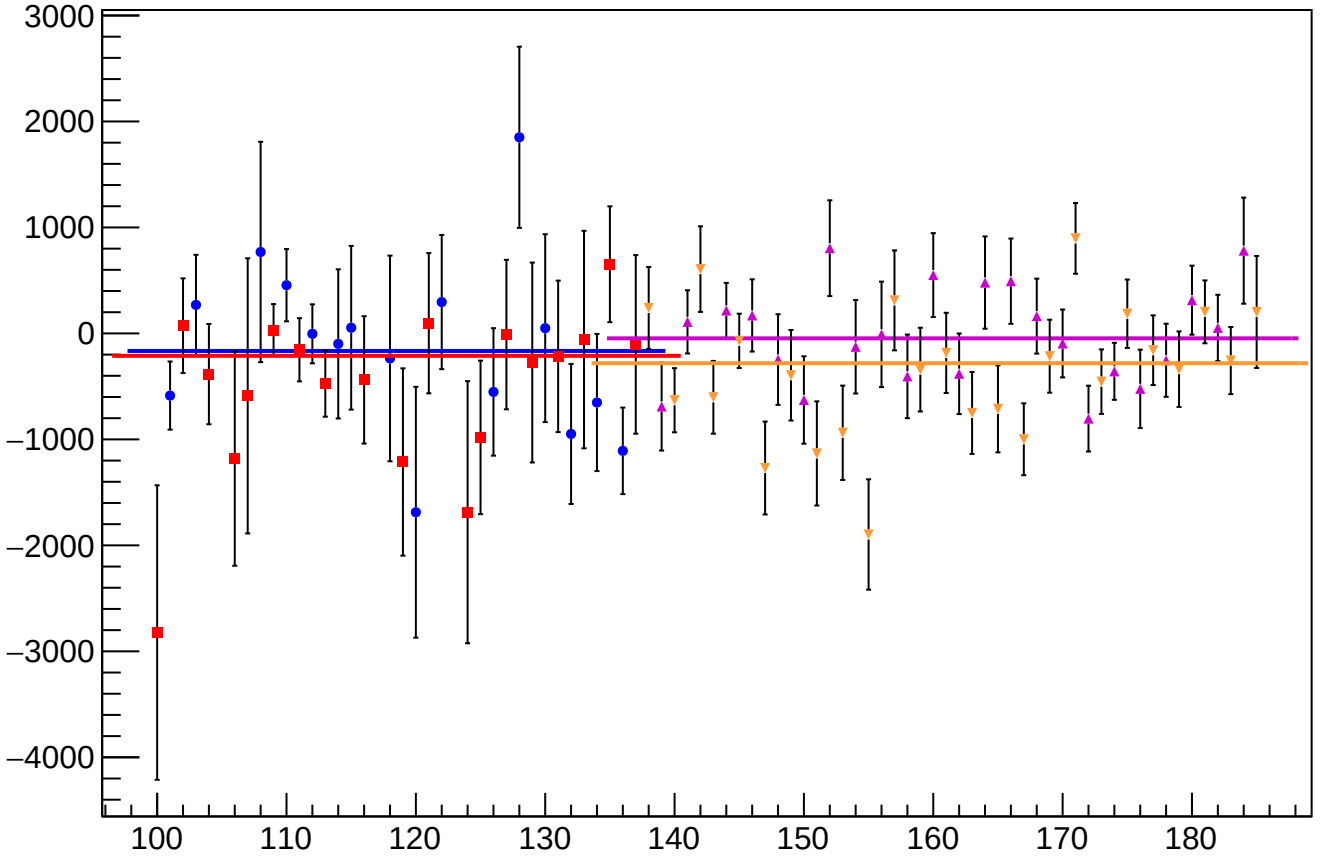
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 72.505+/-0.010 χ^2/NDF: 1302338.4/40

All: 72.600+/-0.007 χ^2/NDF: 2771500.8/82

- 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: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

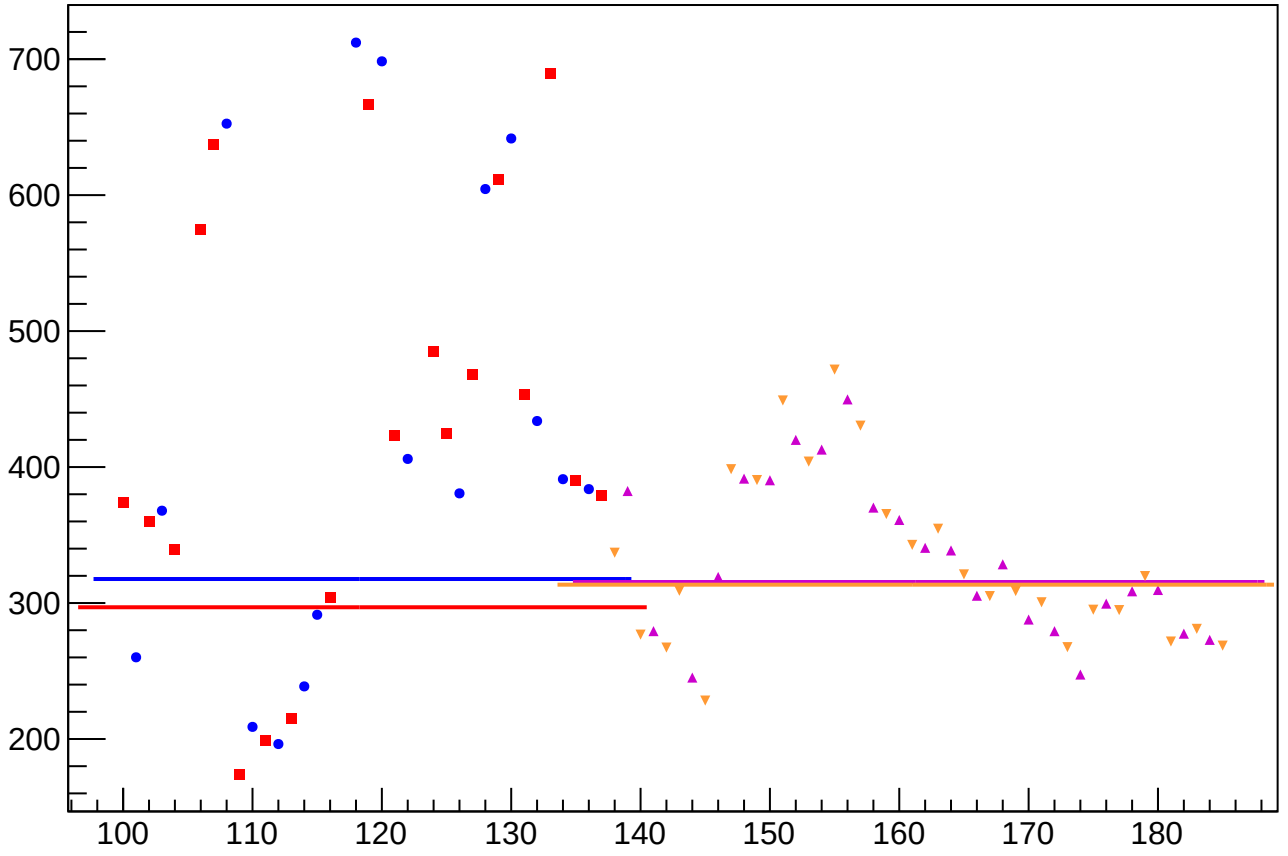
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -253.224+/-63.161 χ^2/NDF: 80.1/40

All: -173.460+/-44.800 χ^2/NDF: 129.0/82

- 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: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

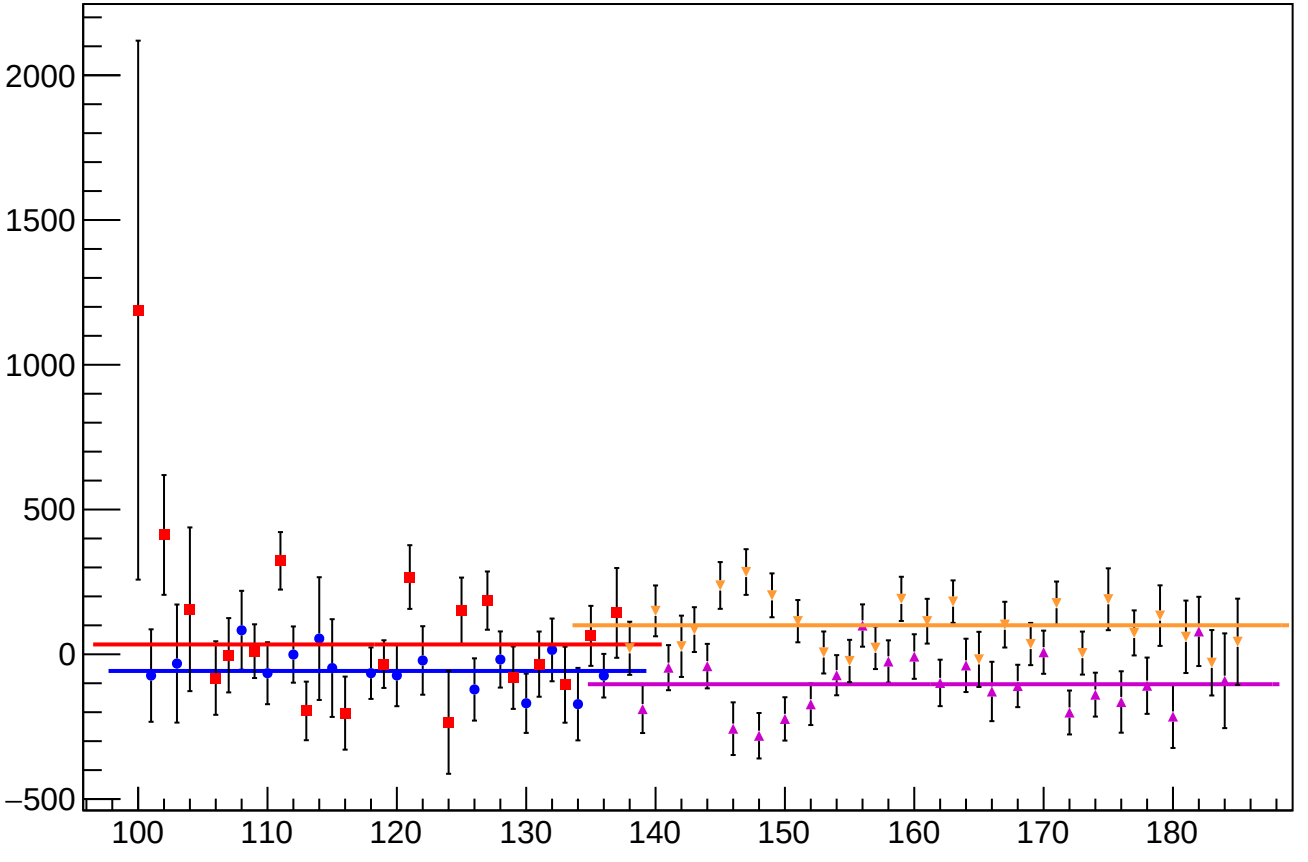
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 314.507+/-0.045 χ^2/NDF: 3313315.8/40

All: 312.396+/-0.032 χ^2/NDF: 6901785.0/82

- 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: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

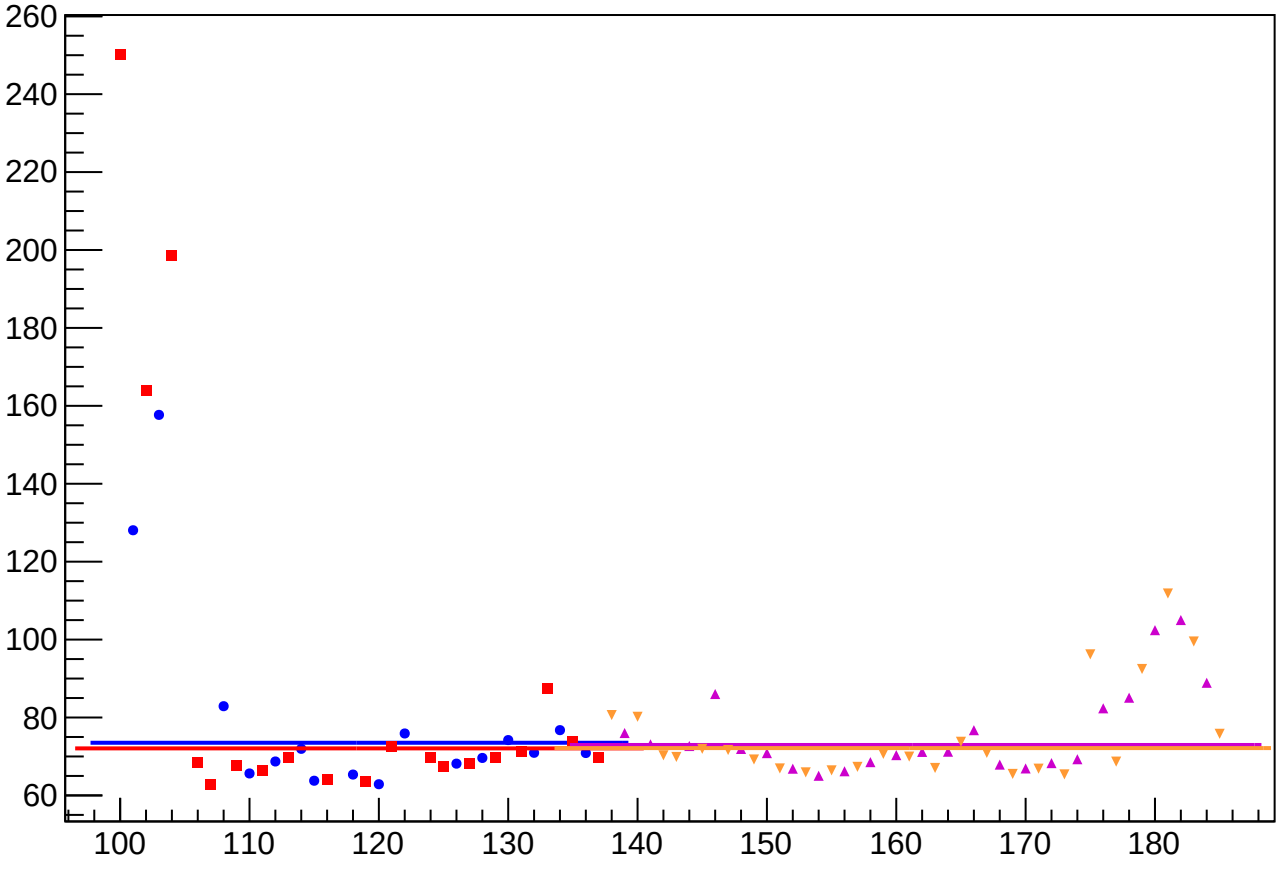
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.331+/-14.307 χ^2/NDF: 55.9/40

All: -1.225+/-10.220 χ^2/NDF: 180.4/82

- 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: 72.150+/-0.012 χ^2/NDF:641967.4/24

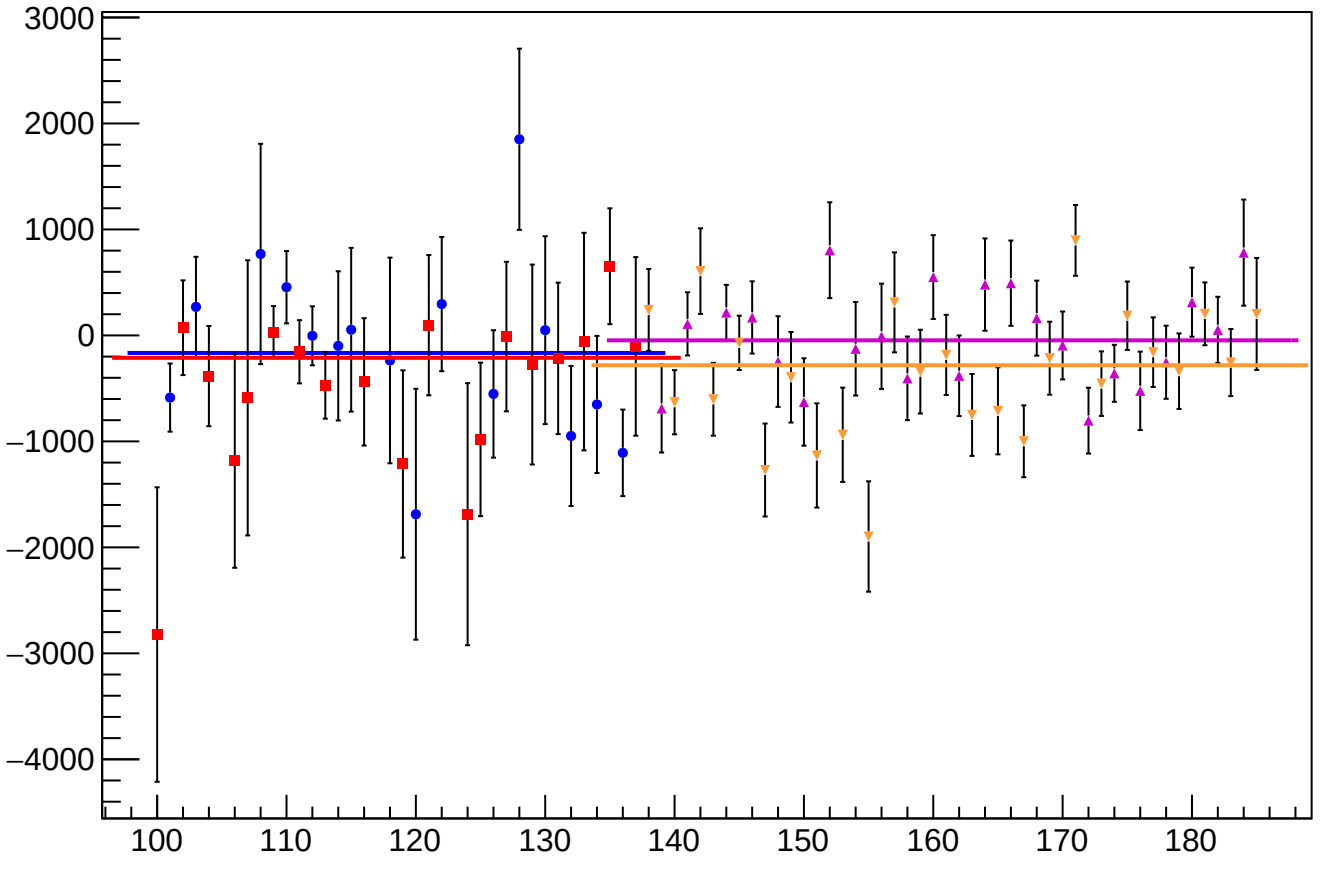
Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 72.505+/-0.010 χ^2/NDF: 1302336.6/40

All: 72.600+/-0.007 χ^2/NDF: 2771501.4/82

- sign 72.700+/-0.010 χ^2/NDF: 1468983.1/41



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

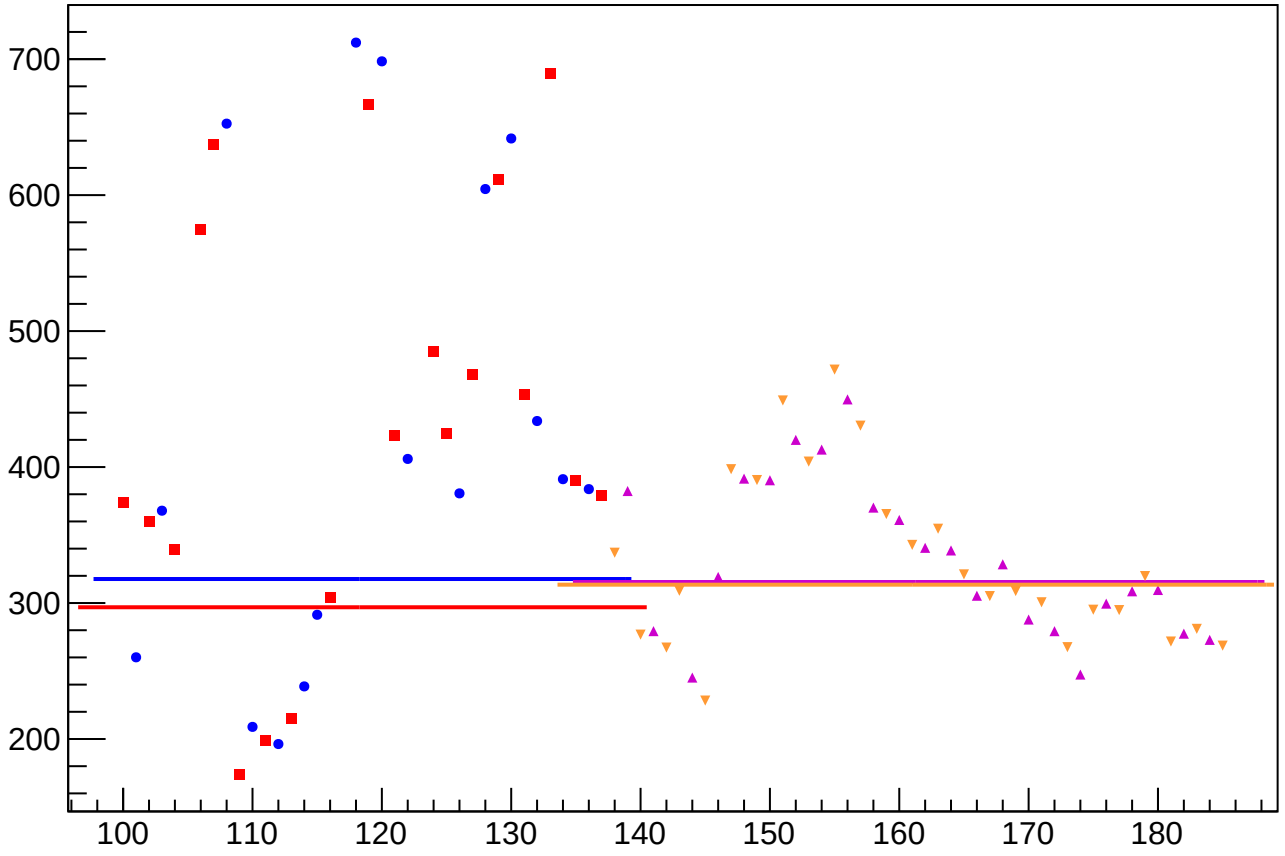
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -253.223+/-63.161 χ^2/NDF: 80.1/40

All: -173.459+/-44.800 χ^2/NDF: 129.0/82

- 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: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

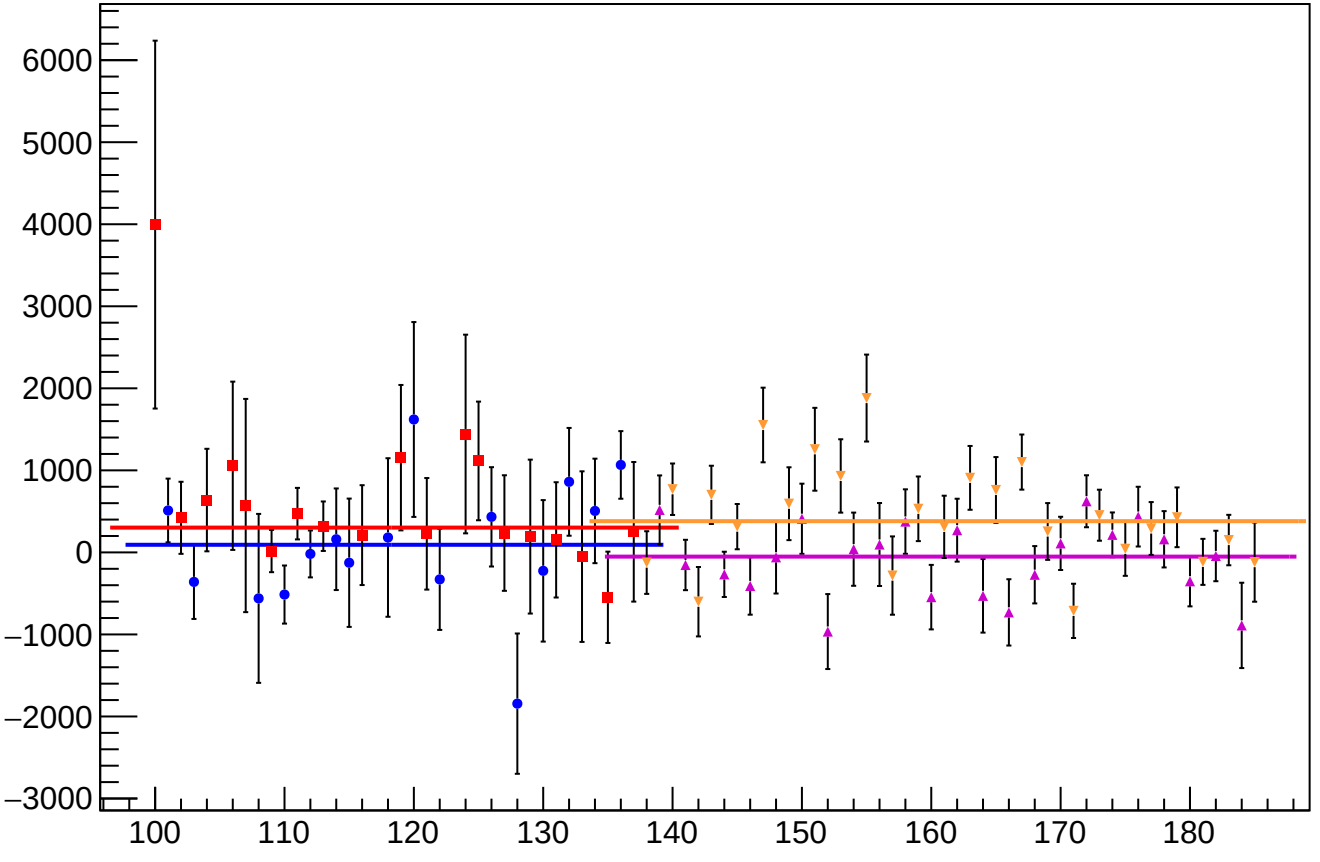
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 314.507+/-0.045 χ^2/NDF: 3313350.9/40

All: 312.395+/-0.032 χ^2/NDF: 6901835.9/82

- 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: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

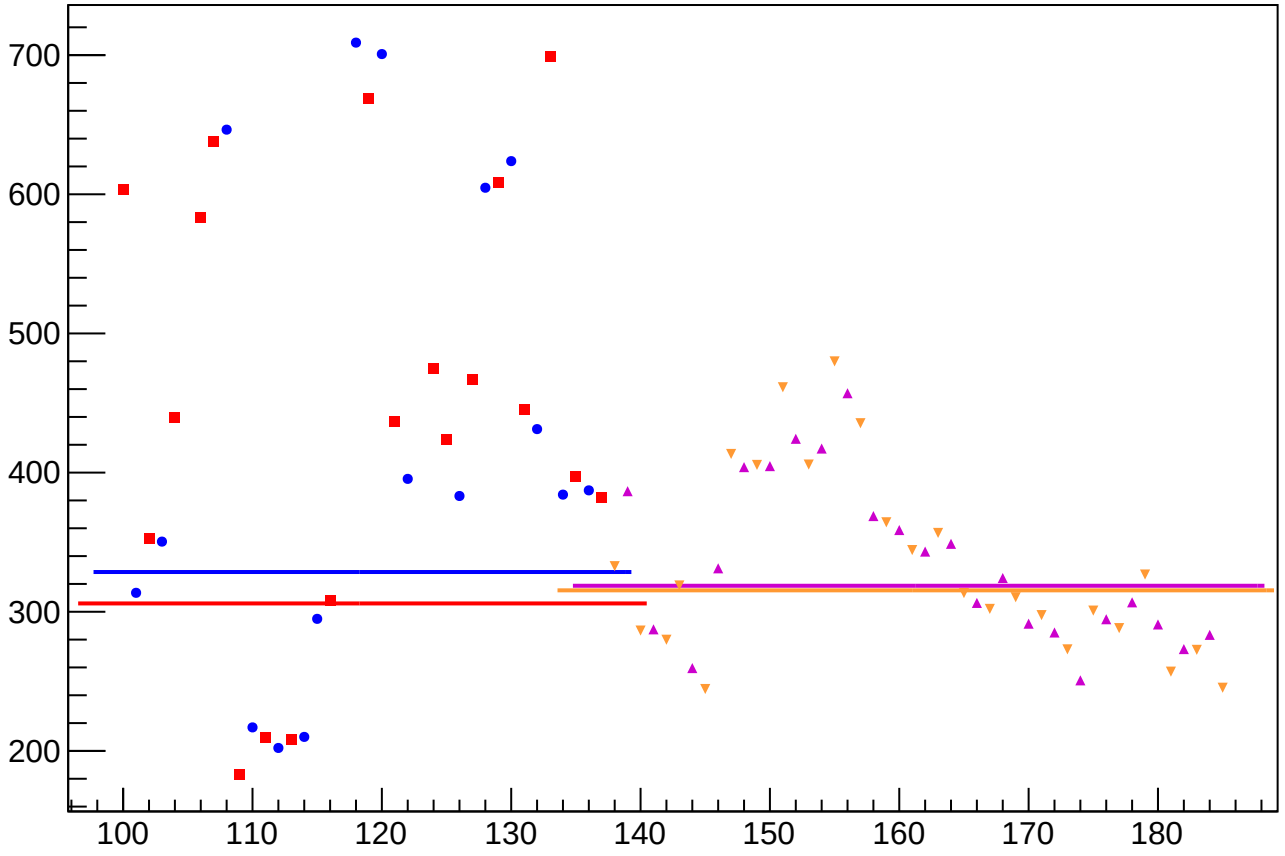
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 313.076+/-63.911 χ^2/NDF: 79.9/40

All: 180.151+/-45.418 χ^2/NDF: 133.6/82

- 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: 315.396+/-0.052 χ^2/NDF:1210106.0/24

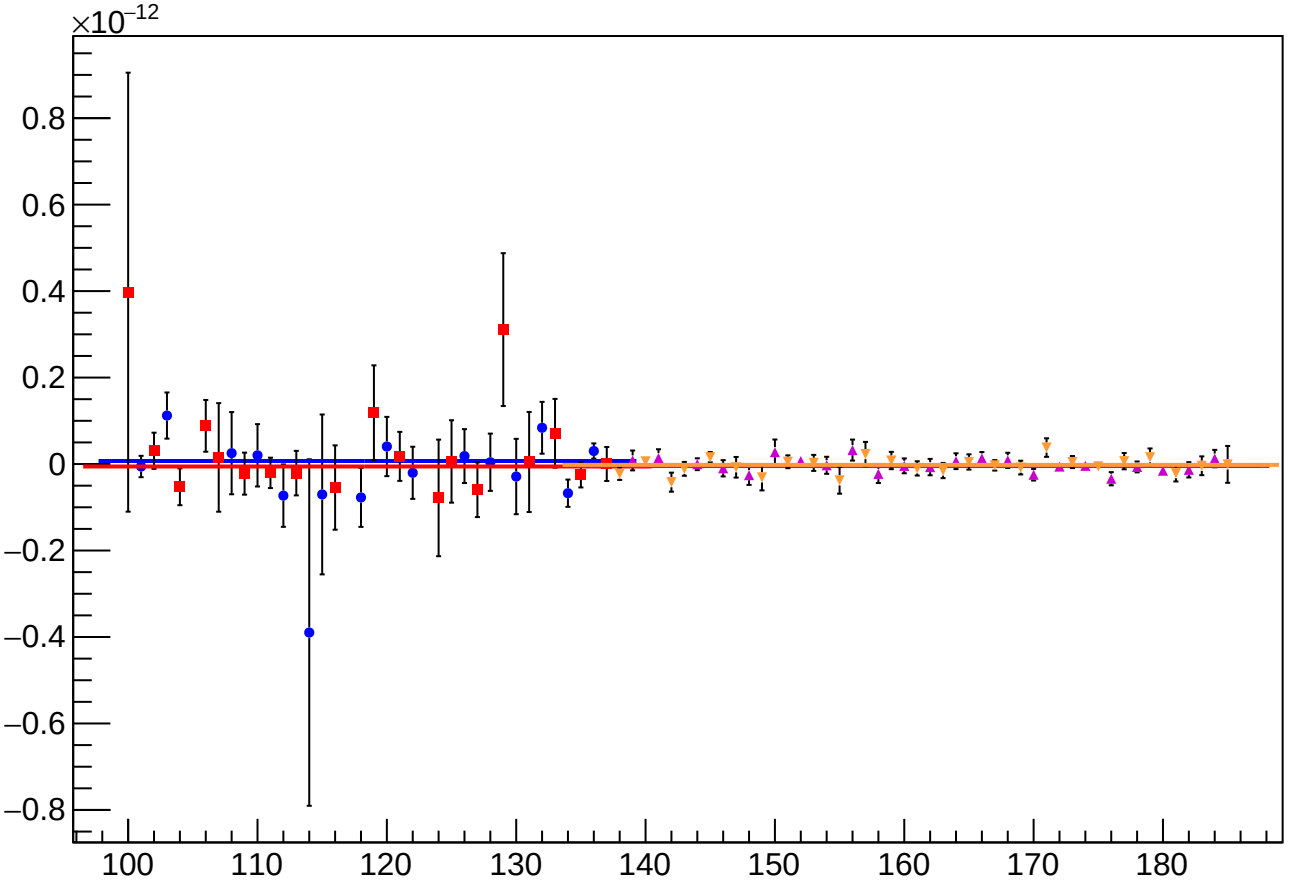
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 318.487+/-0.045 χ^2/NDF: 3184235.2/40

All: 316.880+/-0.032 χ^2/NDF: 6721162.1/82

- 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:19.0/24

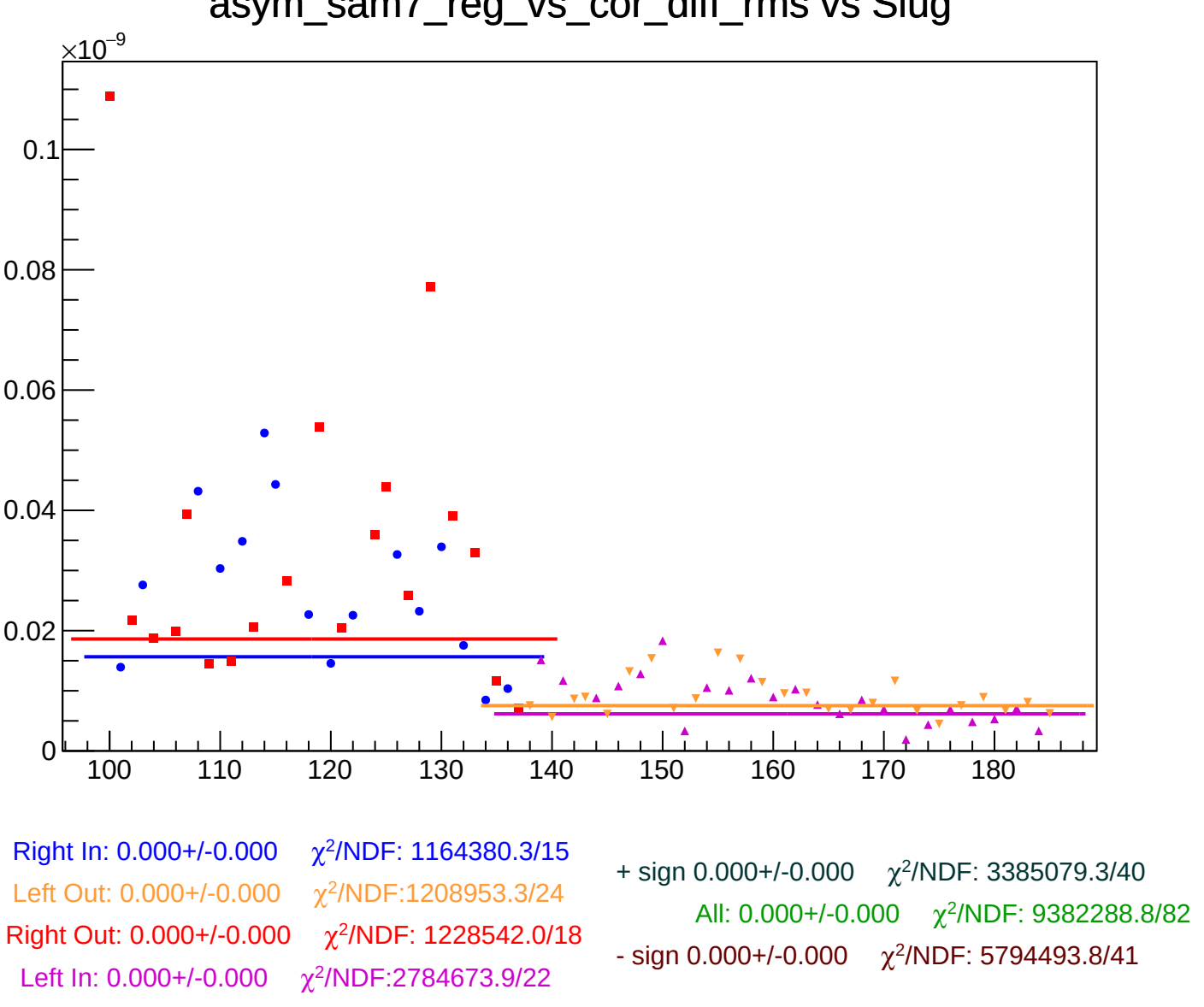
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

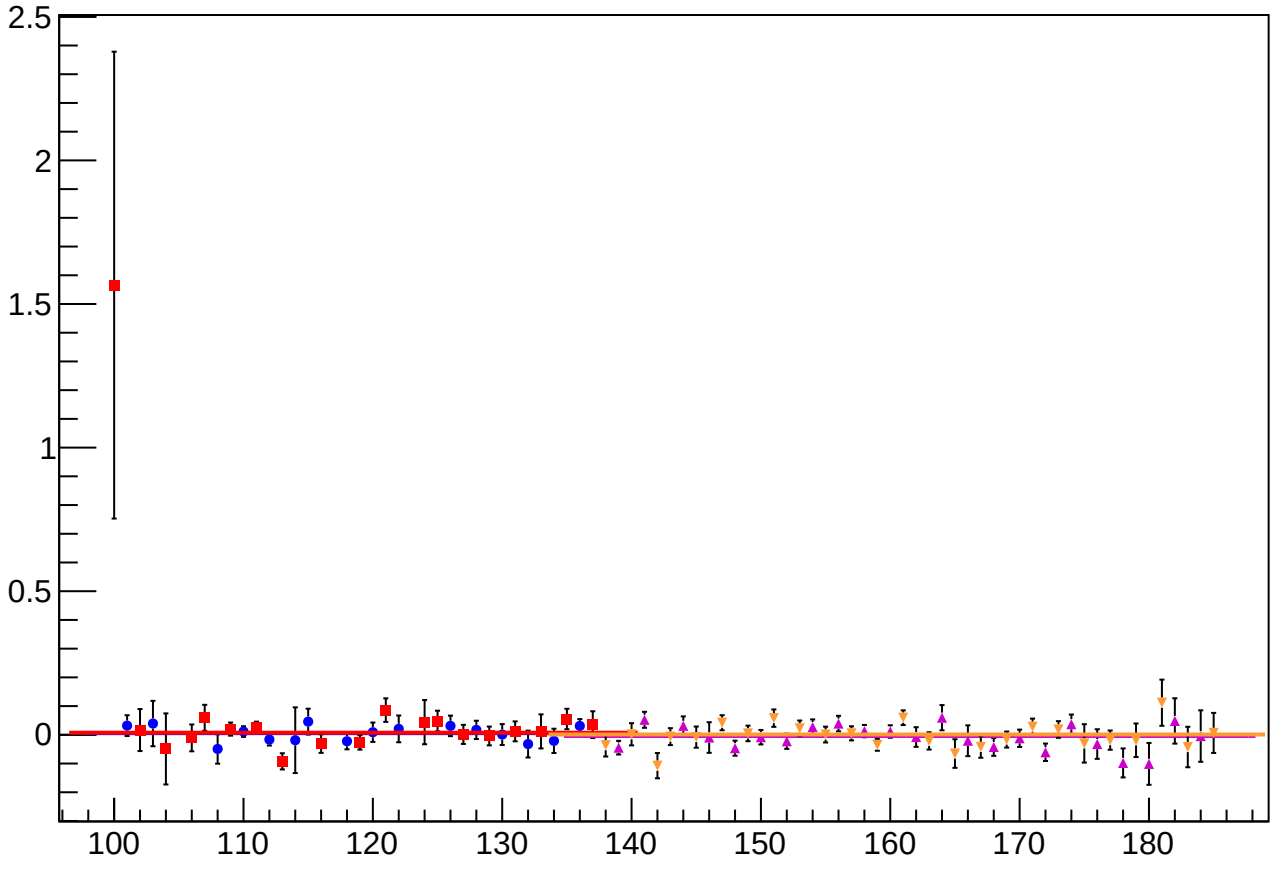
+ sign -0.000+/-0.000 χ^2/NDF: 37.3/40

All: -0.000+/-0.000 χ^2/NDF: 68.4/82

- 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:1208953.3/24
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: 3385079.3/40
All: 0.000+/-0.000 χ²/NDF: 9382288.8/82
- 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+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

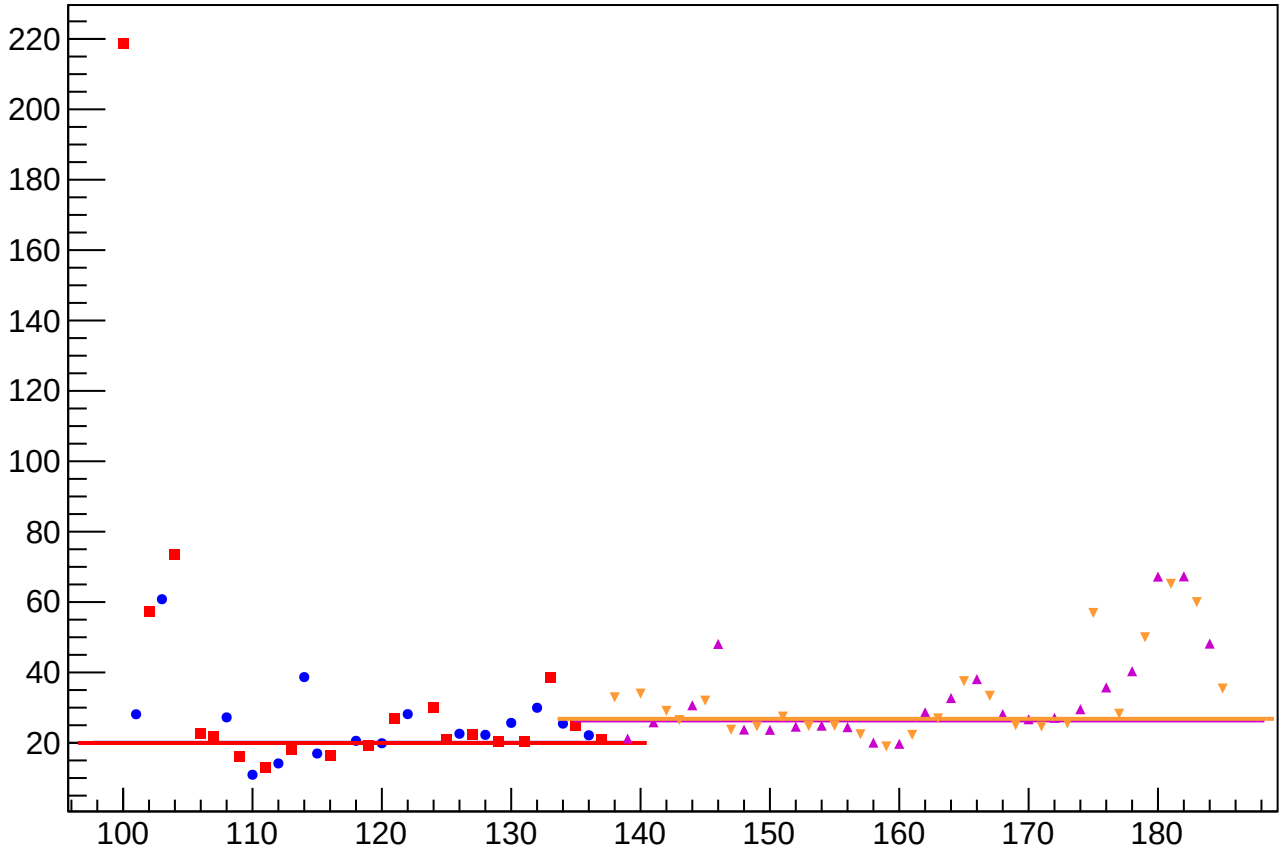
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/40

All: 0.002+/-0.004 χ^2/NDF: 100.6/82

- 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: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

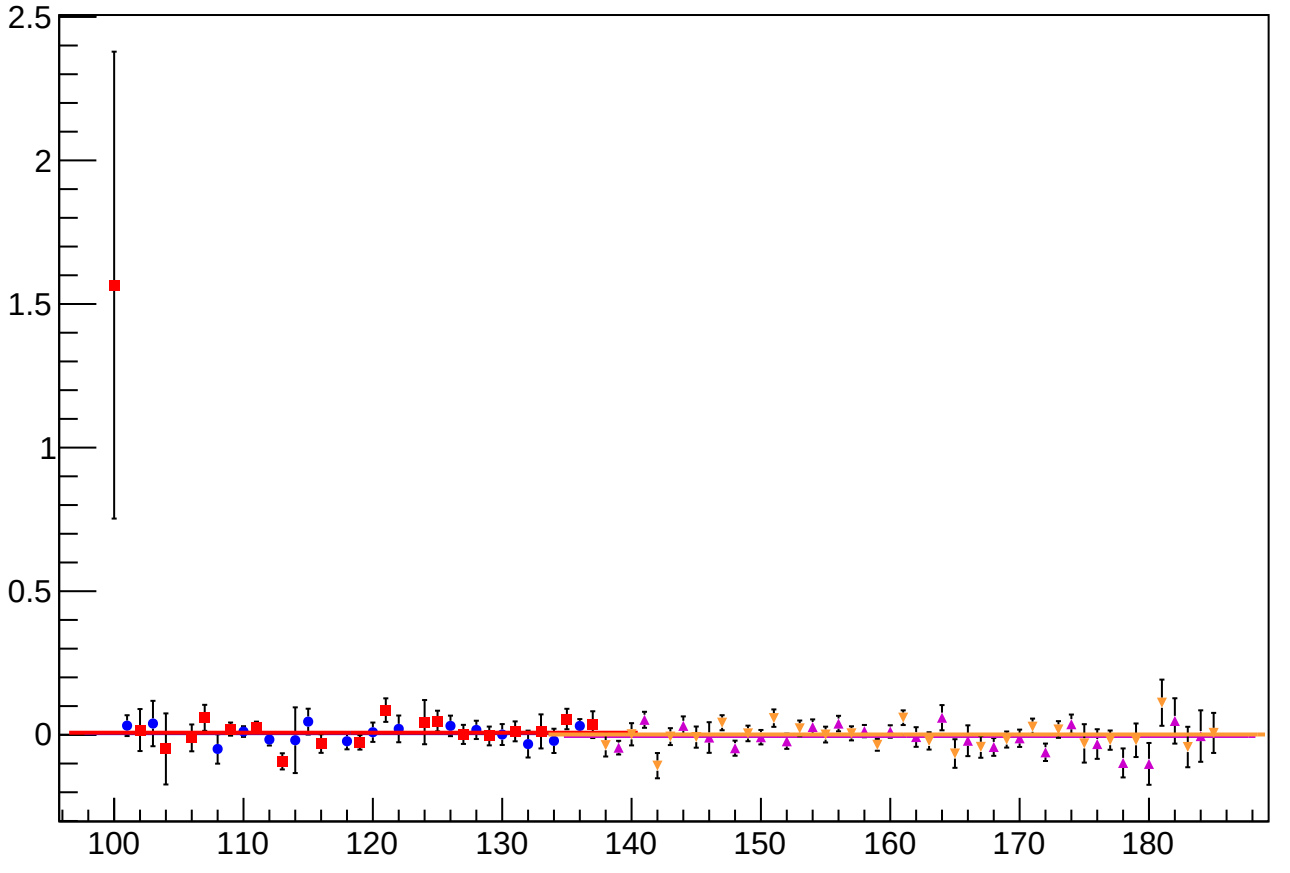
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.179+/-0.004 χ^2/NDF: 4965506.0/40

All: 23.998+/-0.003 χ^2/NDF: 10007772.8/82

- 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+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

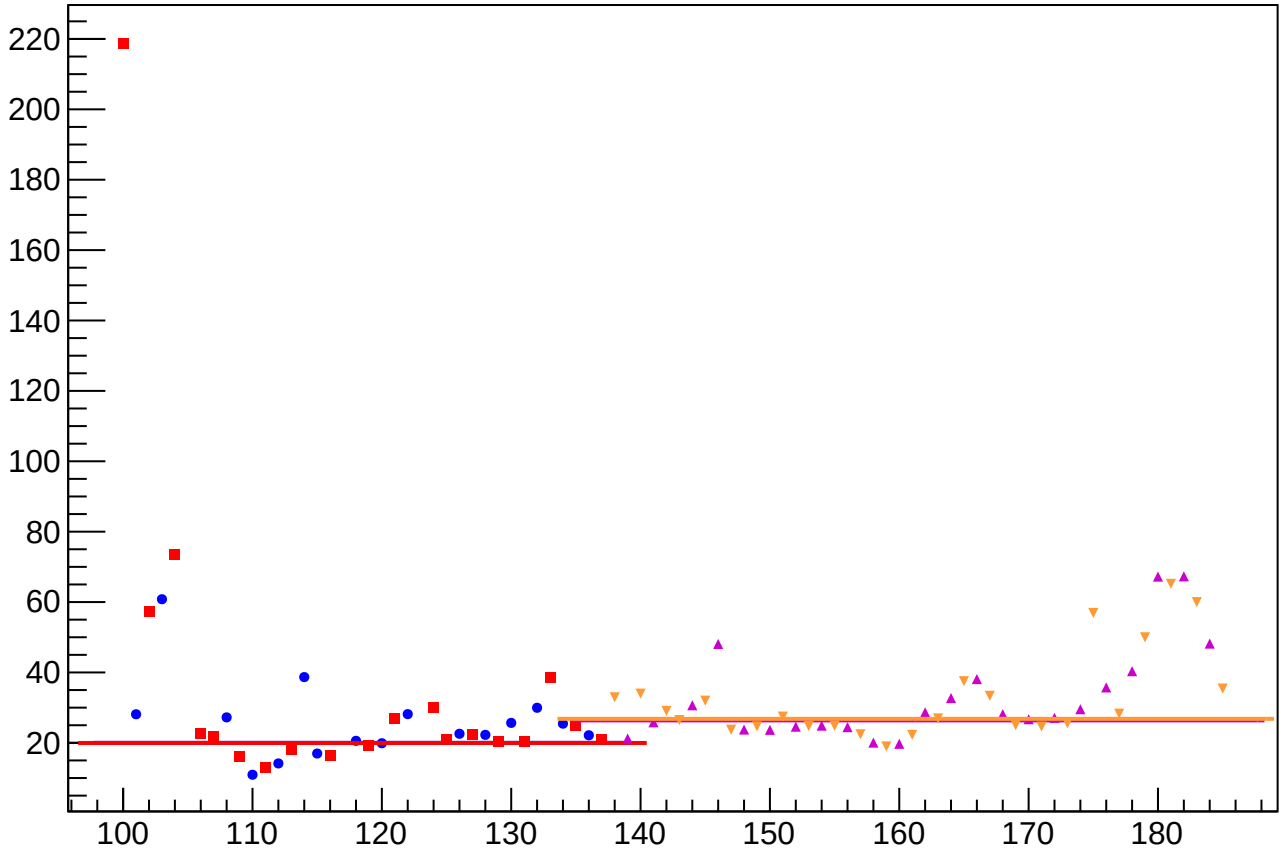
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/40

All: 0.002+/-0.004 χ^2/NDF: 100.6/82

- 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: 26.820+/-0.005 χ^2/NDF:2469807.6/24

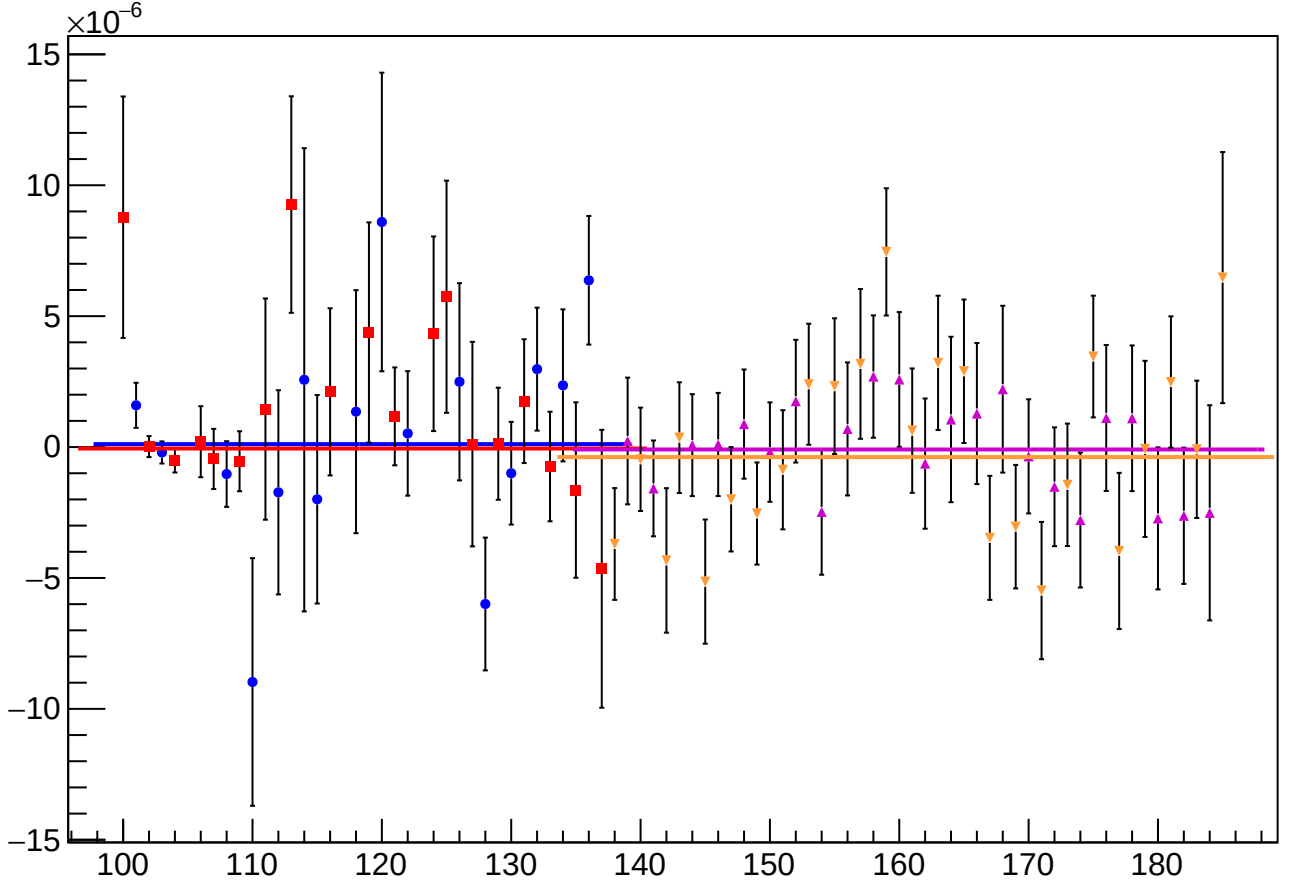
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.179+/-0.004 χ^2/NDF: 4965506.0/40

All: 23.998+/-0.003 χ^2/NDF: 10007772.8/82

- 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:43.1/24

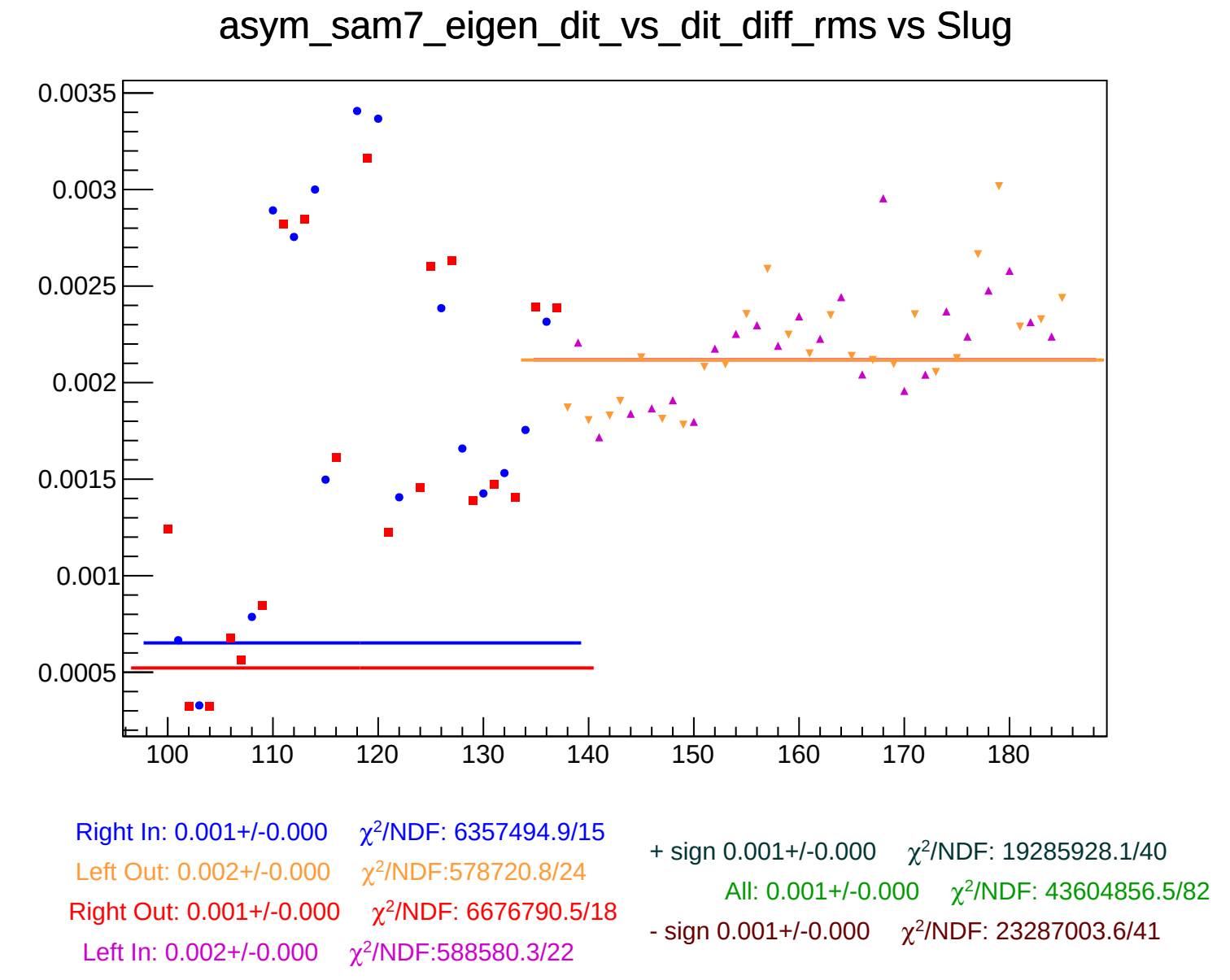
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

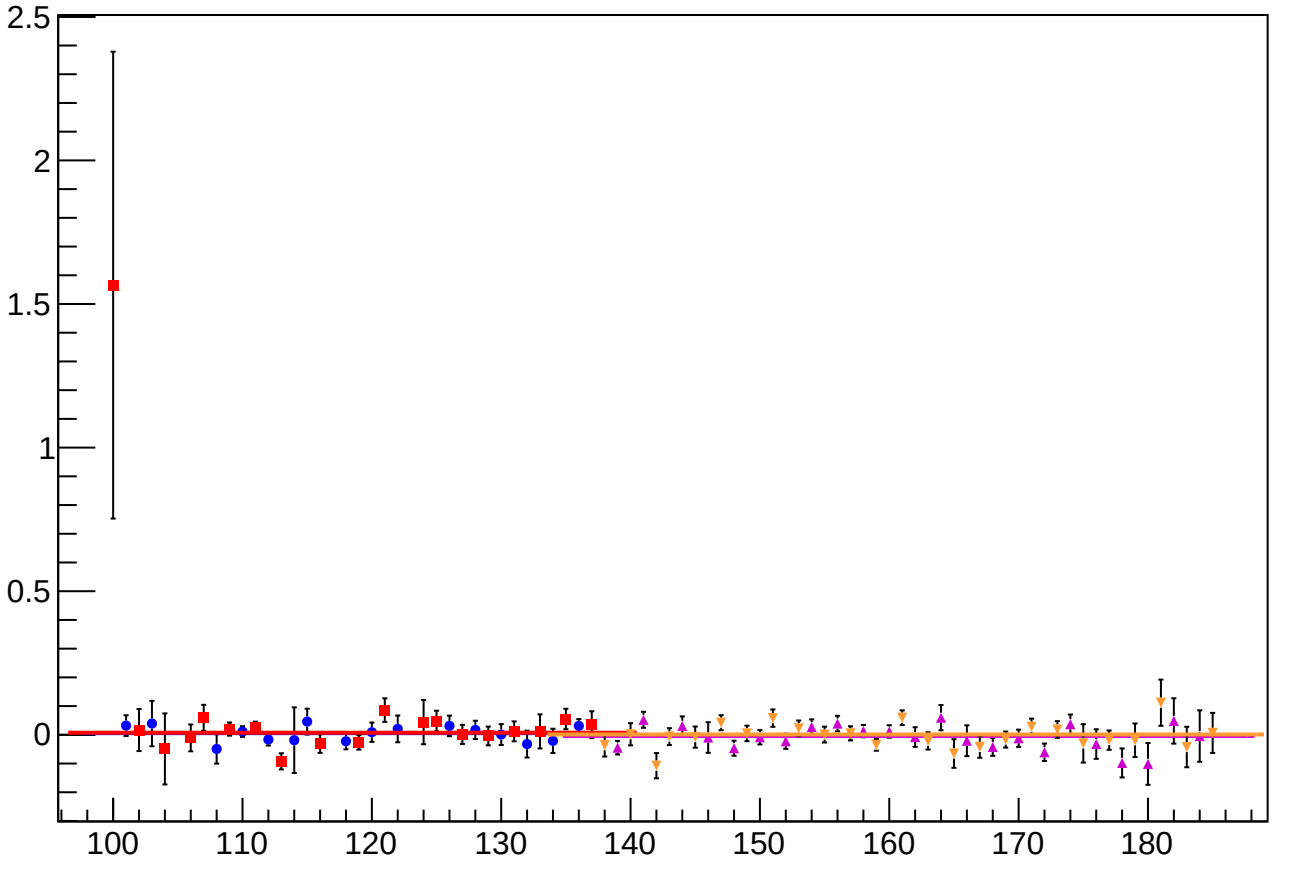
+ sign -0.000+/-0.000 χ^2/NDF: 69.9/40

All: -0.000+/-0.000 χ^2/NDF: 97.1/82

- sign -0.000+/-0.000 χ^2/NDF: 27.3/41


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:578720.8/24
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:588580.3/22
+ sign 0.001+/-0.000 χ²/NDF: 19285928.1/40
All: 0.001+/-0.000 χ²/NDF: 43604856.5/82
- sign 0.001+/-0.000 χ²/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+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

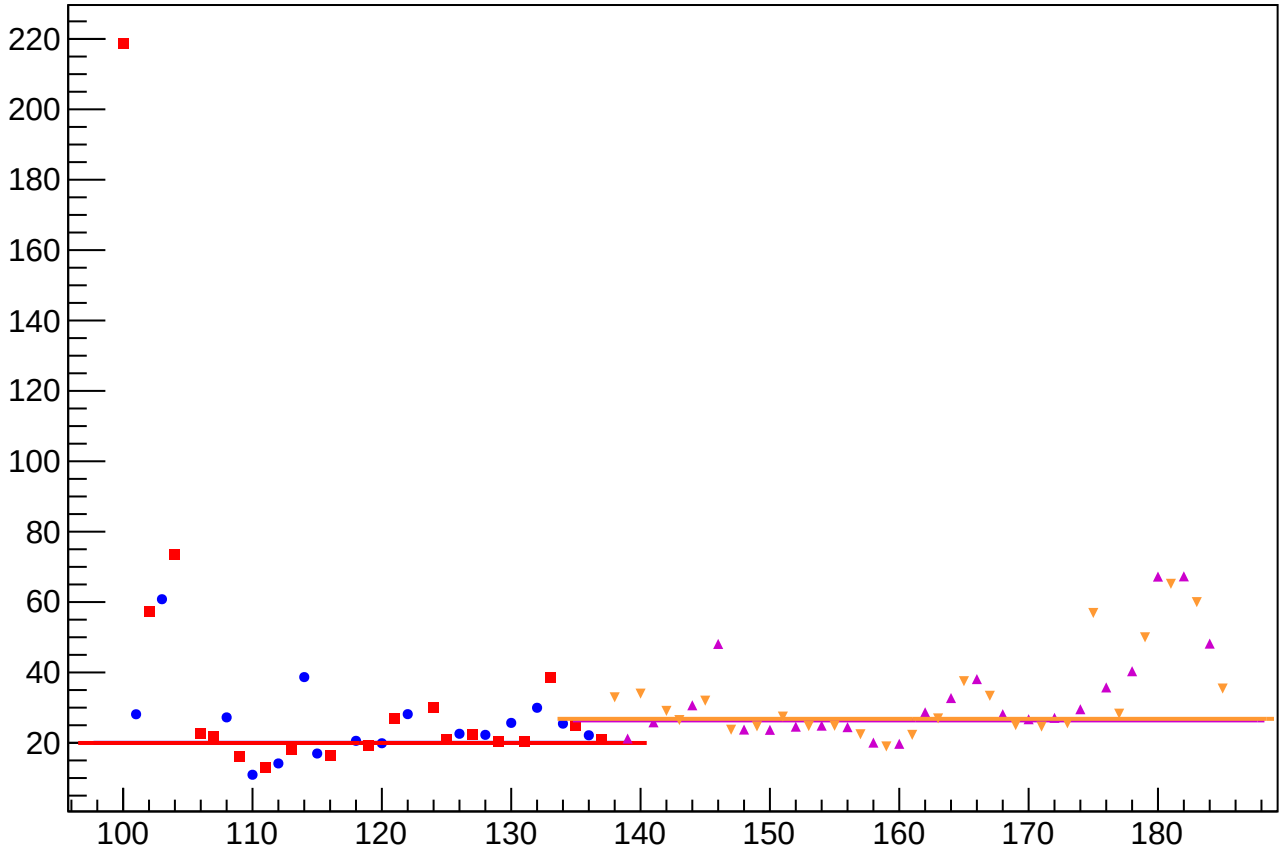
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/40

All: 0.002+/-0.004 χ^2/NDF: 100.6/82

- 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: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

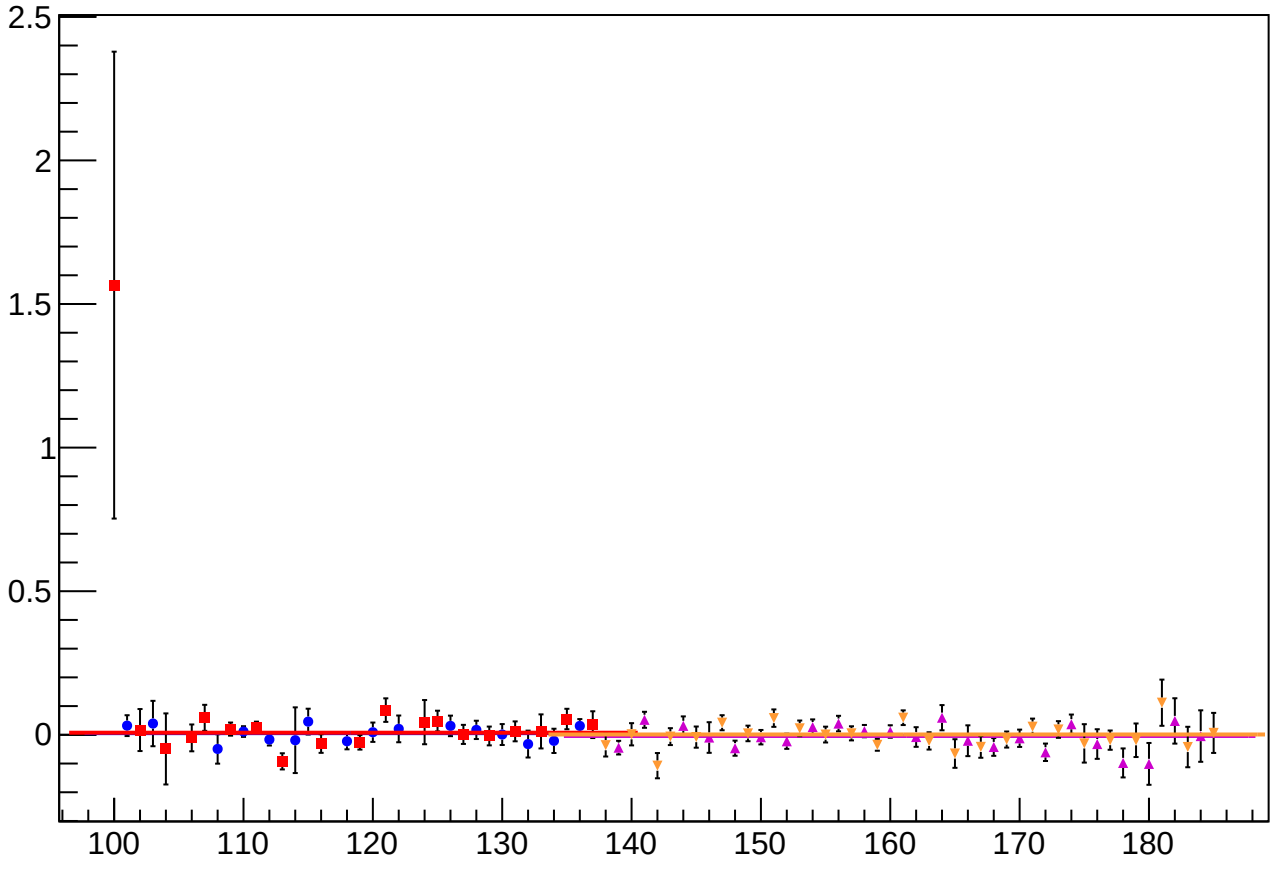
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.179+/-0.004 χ^2/NDF: 4965248.3/40

All: 23.998+/-0.003 χ^2/NDF: 10007494.0/82

- 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+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

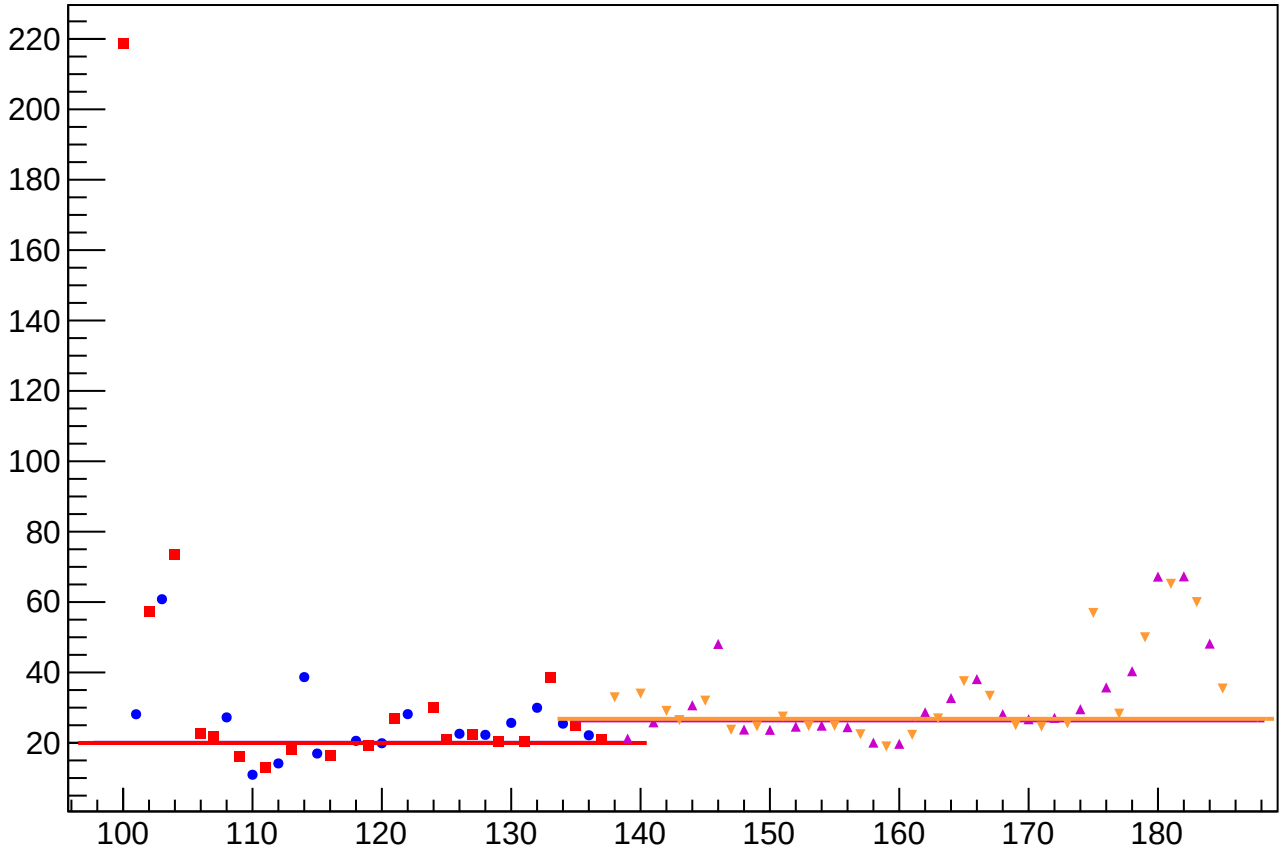
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.3/40

All: 0.002+/-0.004 χ^2/NDF: 100.6/82

- sign 0.001+/-0.005 χ^2/NDF: 62.1/41

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

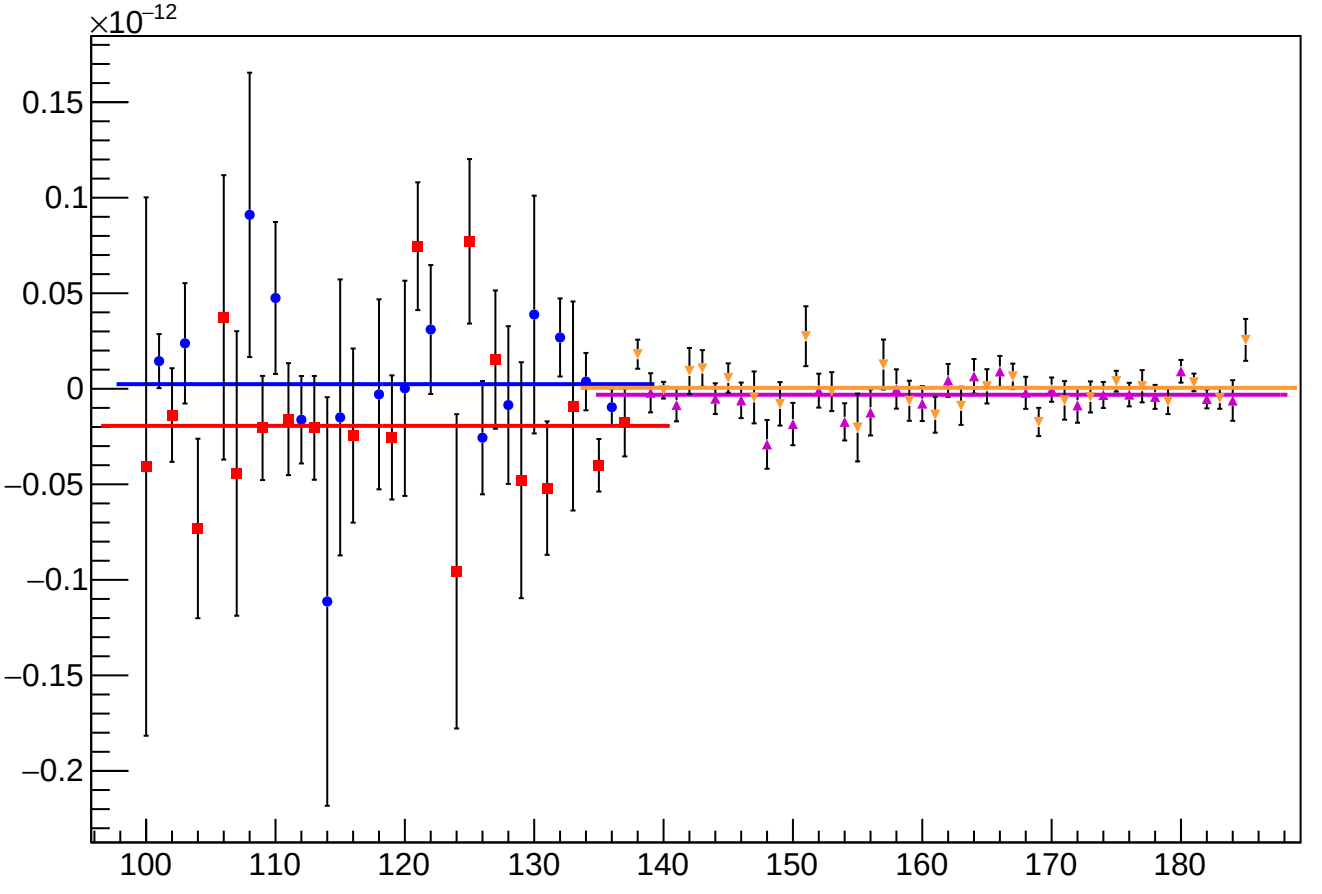
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.179+/-0.004 χ^2/NDF: 4965248.3/40

All: 23.998+/-0.003 χ^2/NDF: 10007494.0/82

- 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:32.6/24

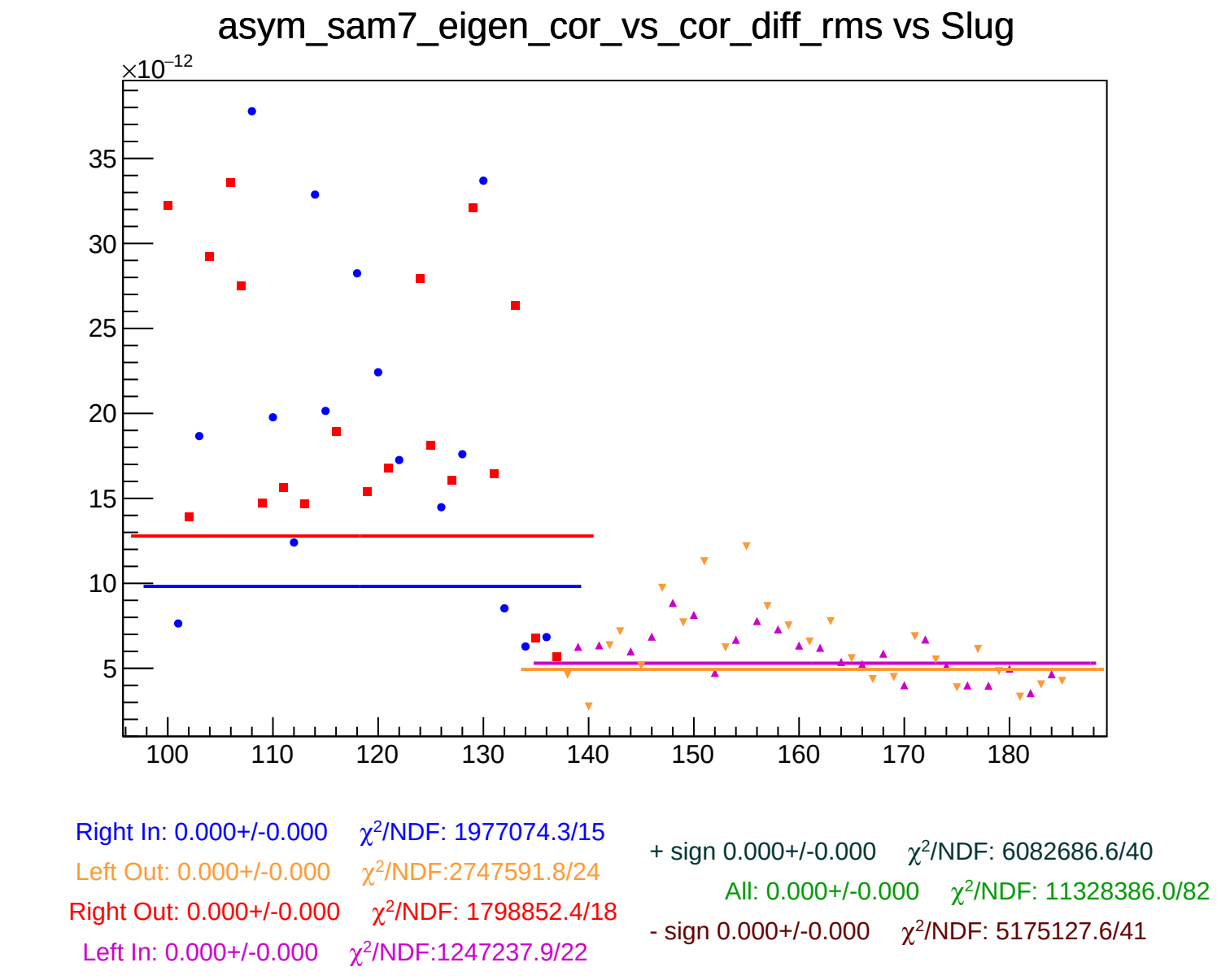
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

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

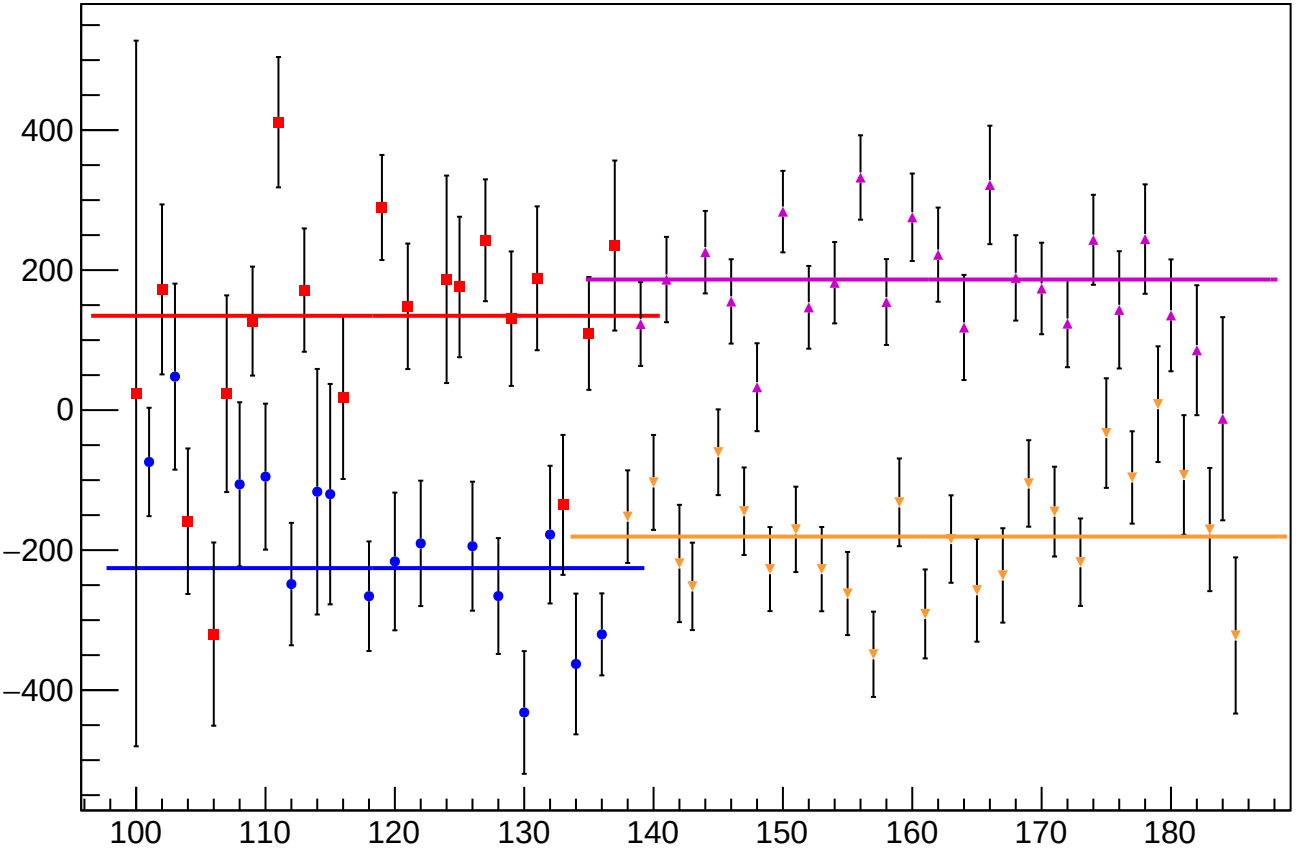
+ sign 0.000+/-0.000 χ^2/NDF: 43.6/40

All: -0.000+/-0.000 χ^2/NDF: 92.3/82

- sign -0.000+/-0.000 χ^2/NDF: 44.4/41


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
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:2747591.8/24
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: 6082686.6/40
All: 0.000+/-0.000 χ²/NDF: 11328386.0/82
- 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: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

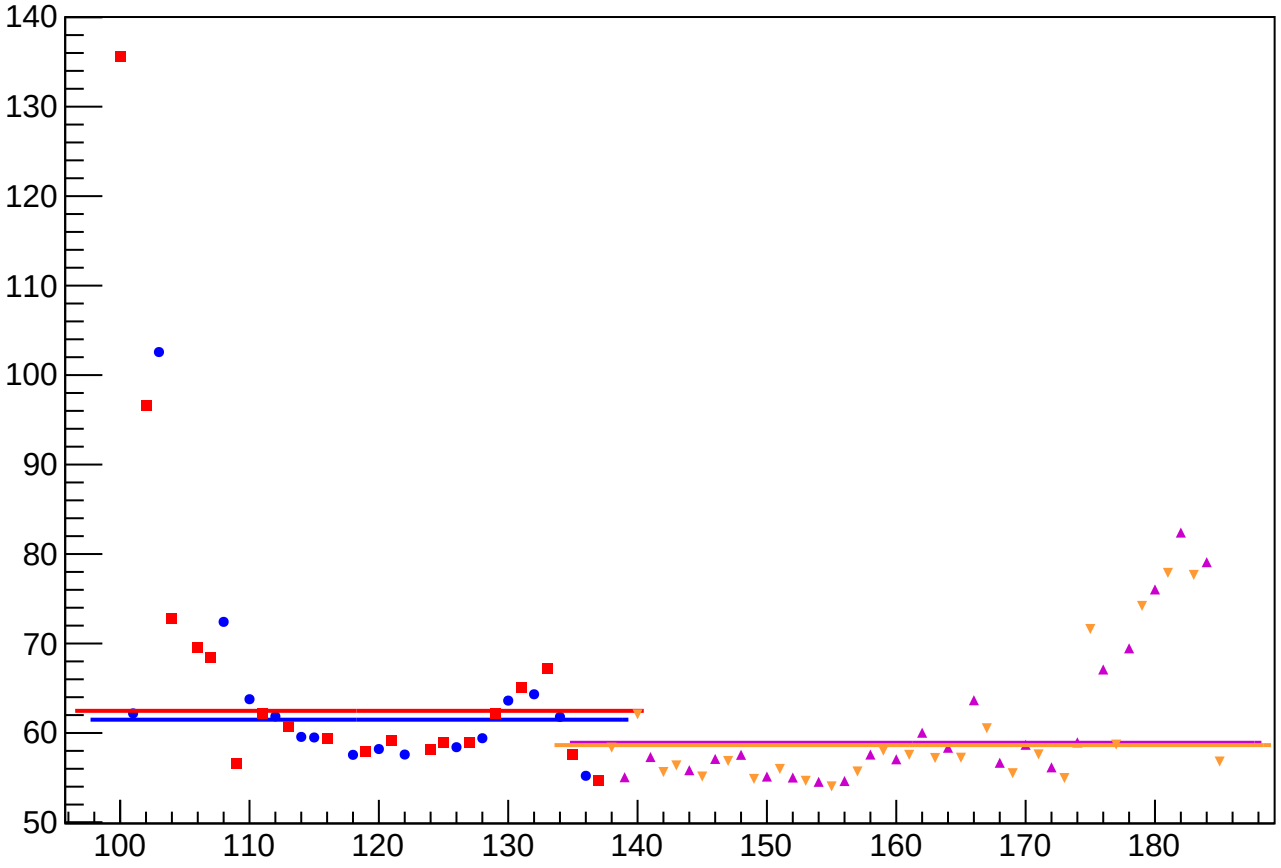
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -192.027+/-11.605 χ^2/NDF: 64.0/40

All: -14.077+/-8.307 χ^2/NDF: 624.2/82

- 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: 58.644+/-0.009 χ^2/NDF:393880.8/24

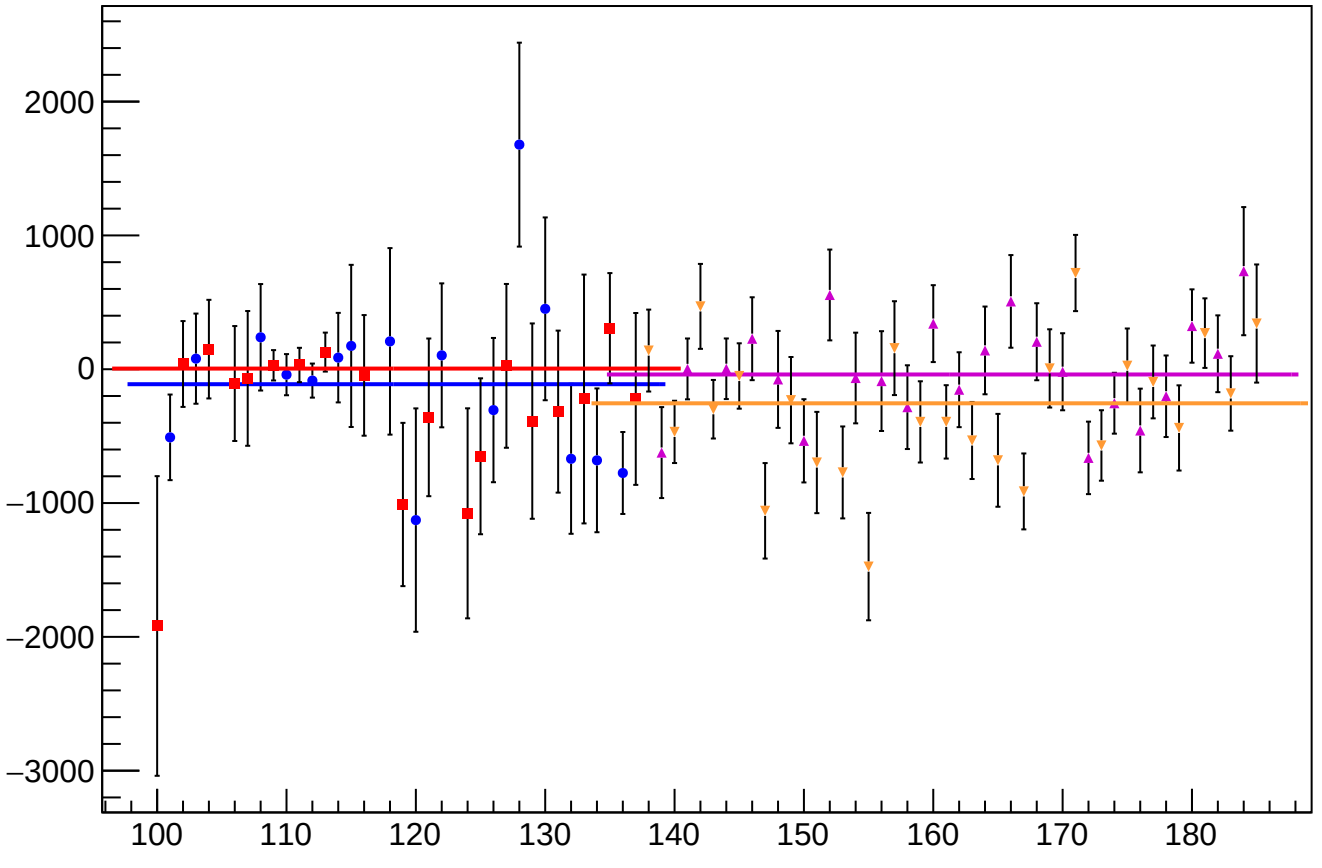
Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.360+/-0.008 χ^2/NDF: 667158.1/40

All: 59.597+/-0.006 χ^2/NDF: 1371744.8/82

- sign 59.846+/-0.008 χ^2/NDF: 702880.1/41



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

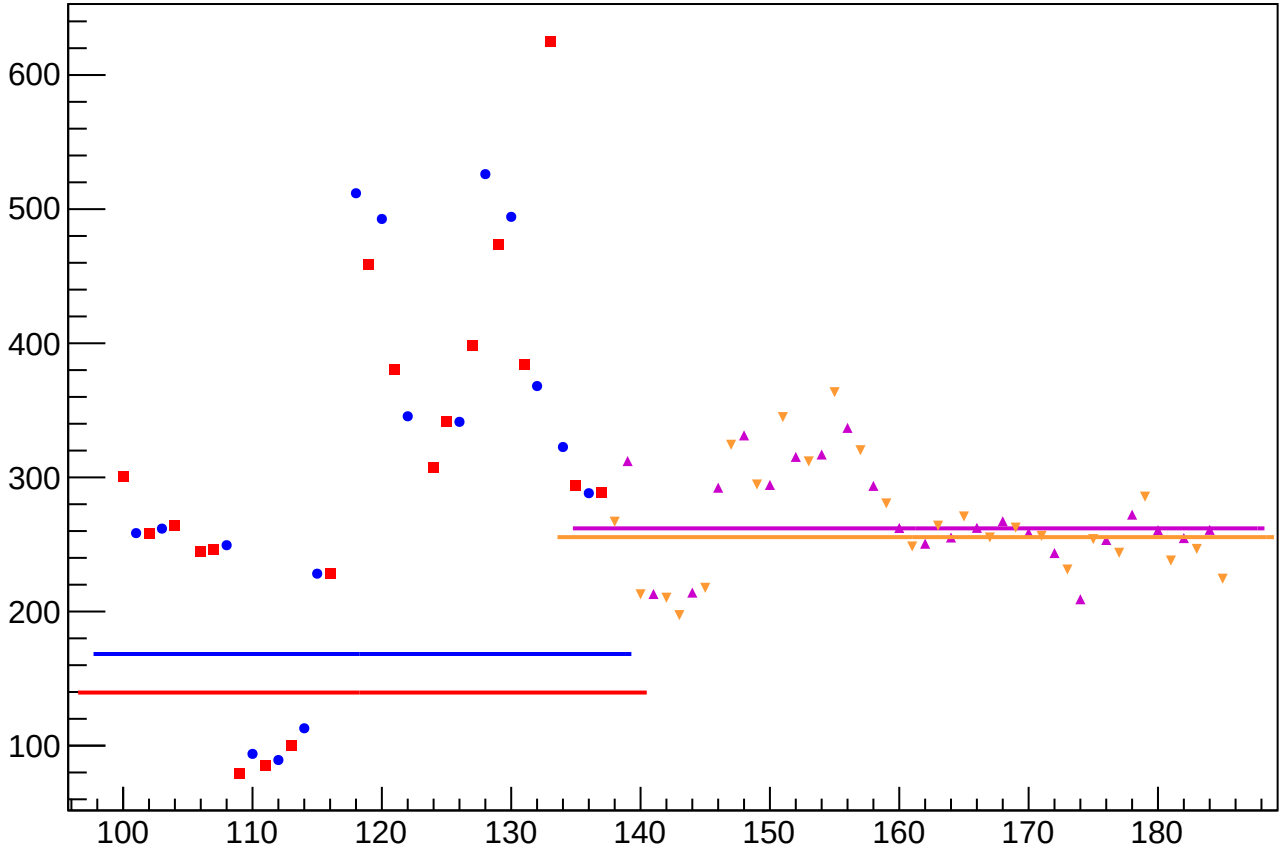
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -201.278+/-46.593 χ^2/NDF: 78.3/40

All: -105.277+/-32.167 χ^2/NDF: 126.6/82

- 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: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

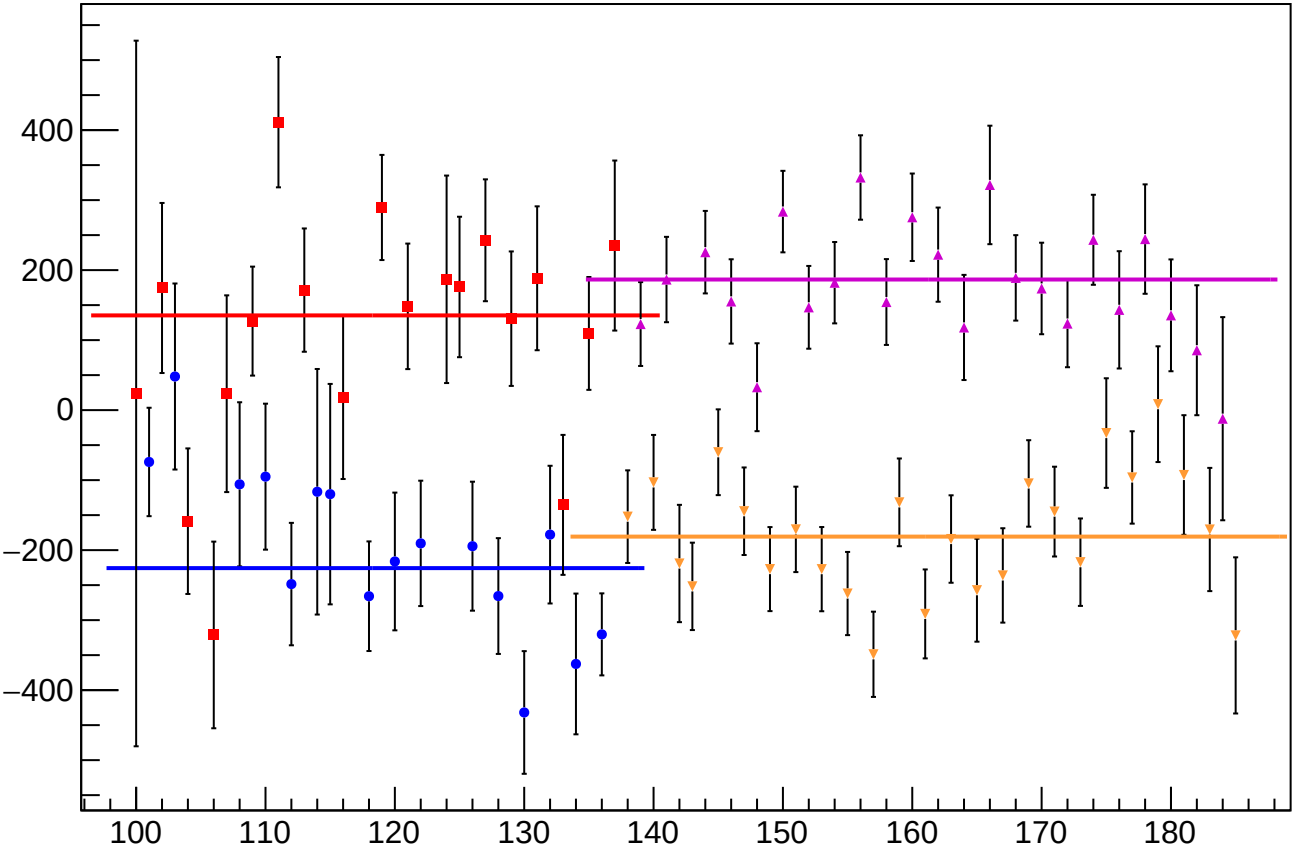
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 222.901+/-0.033 χ^2/NDF: 7045334.0/40

All: 212.378+/-0.023 χ^2/NDF: 16850609.5/82

- 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: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

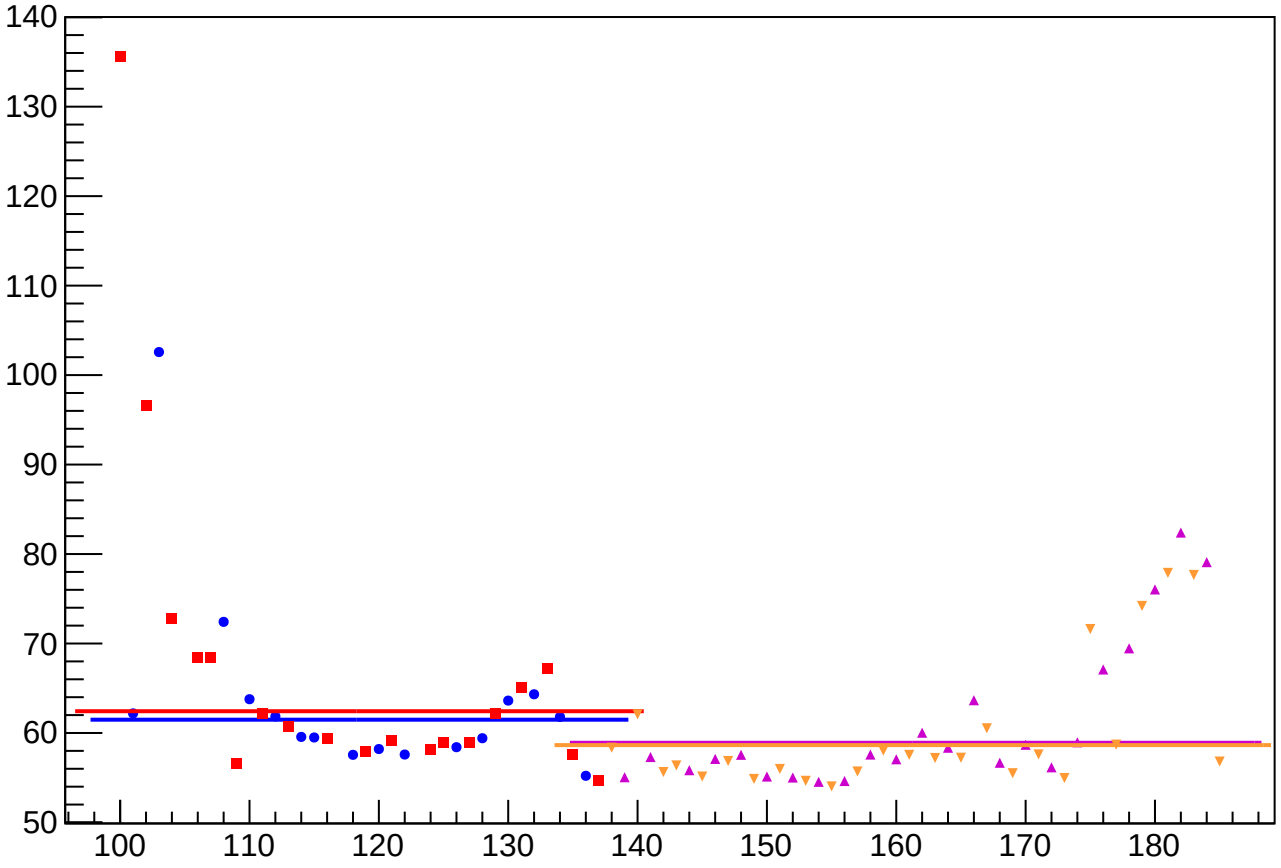
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -192.023+/-11.605 χ^2/NDF: 64.0/40

All: -14.026+/-8.308 χ^2/NDF: 624.1/82

- 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: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

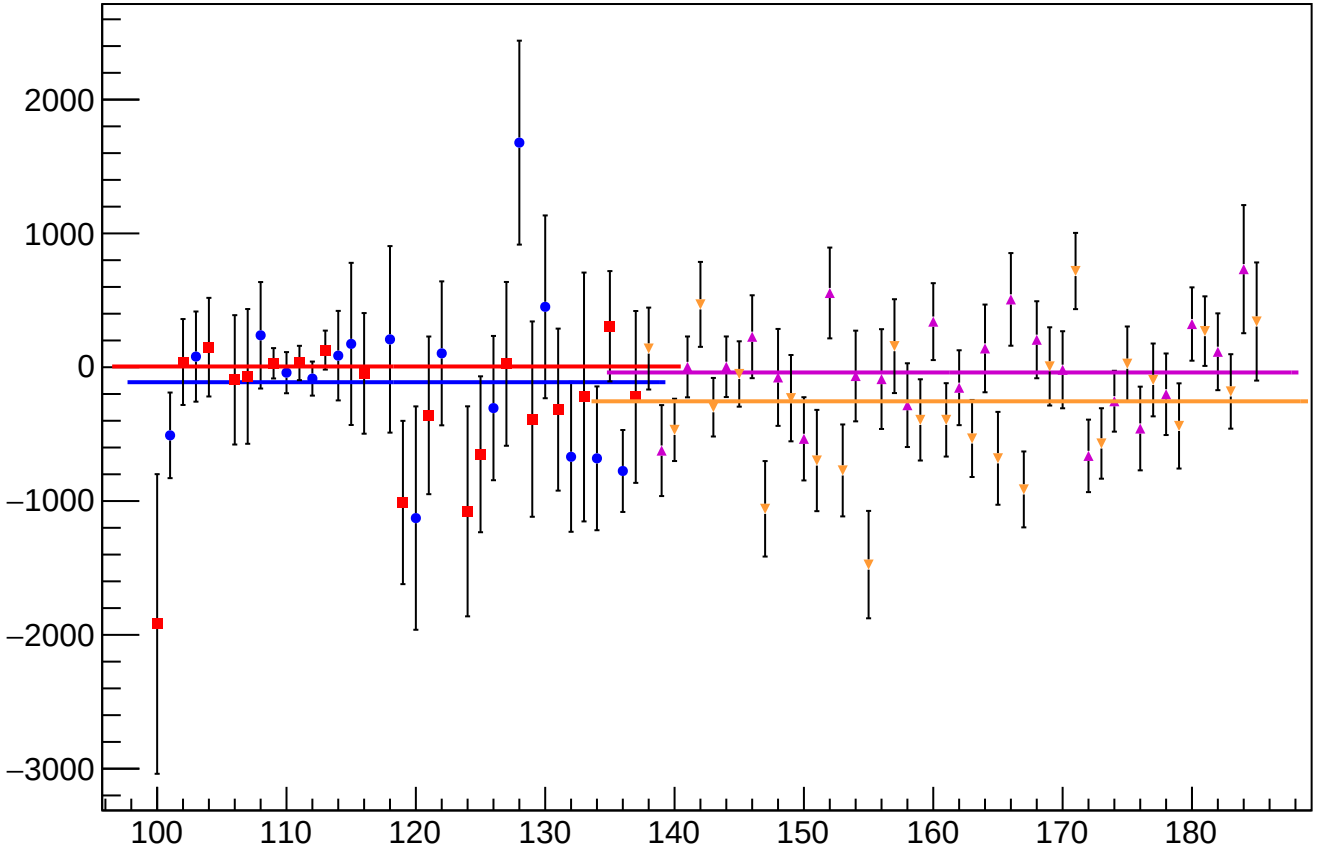
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.360+/-0.008 χ^2/NDF: 667160.7/40

All: 59.591+/-0.006 χ^2/NDF: 1369056.9/82

- 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: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

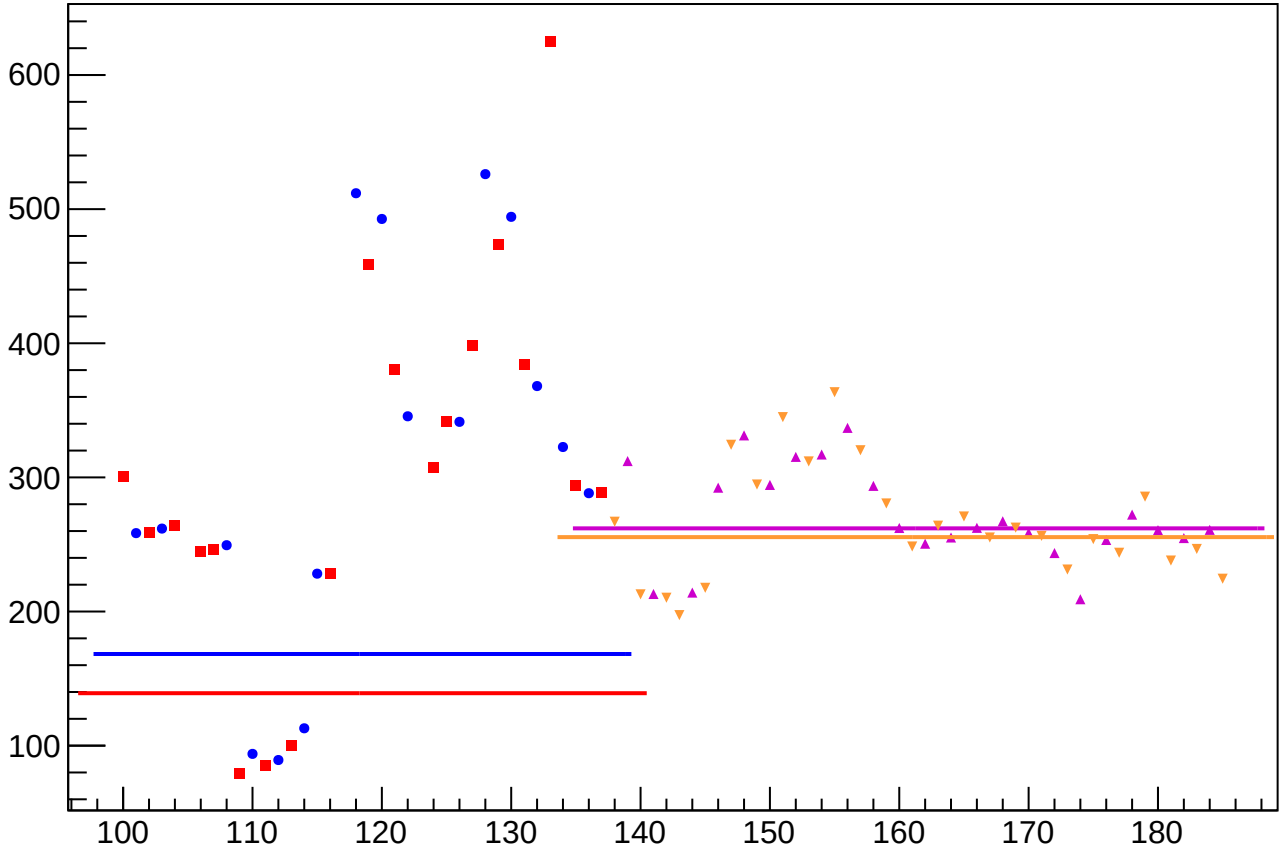
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -201.269+/-46.593 χ^2/NDF: 78.3/40

All: -105.222+/-32.187 χ^2/NDF: 126.6/82

- 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: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

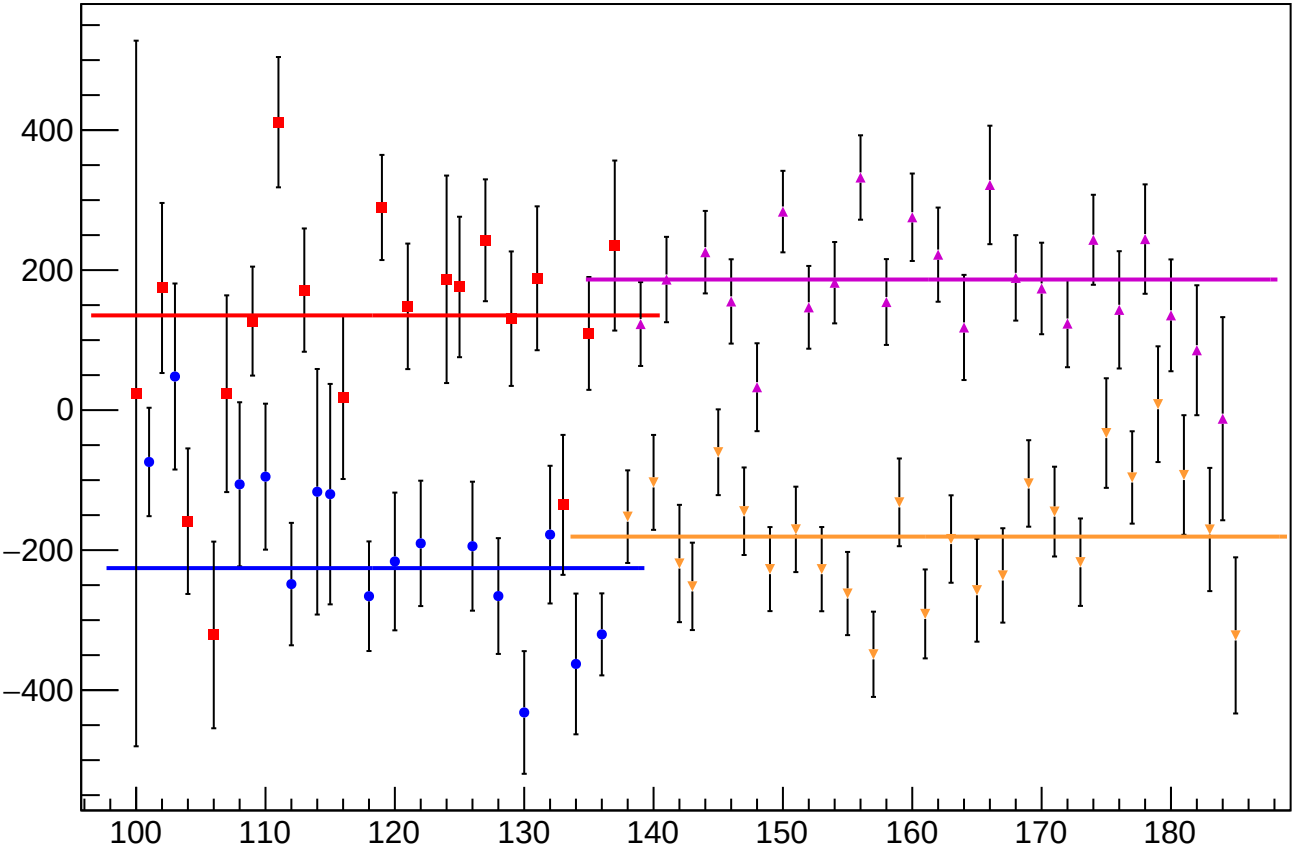
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 222.901+/-0.033 χ^2/NDF: 7045362.6/40

All: 212.342+/-0.023 χ^2/NDF: 16848970.4/82

- 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: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

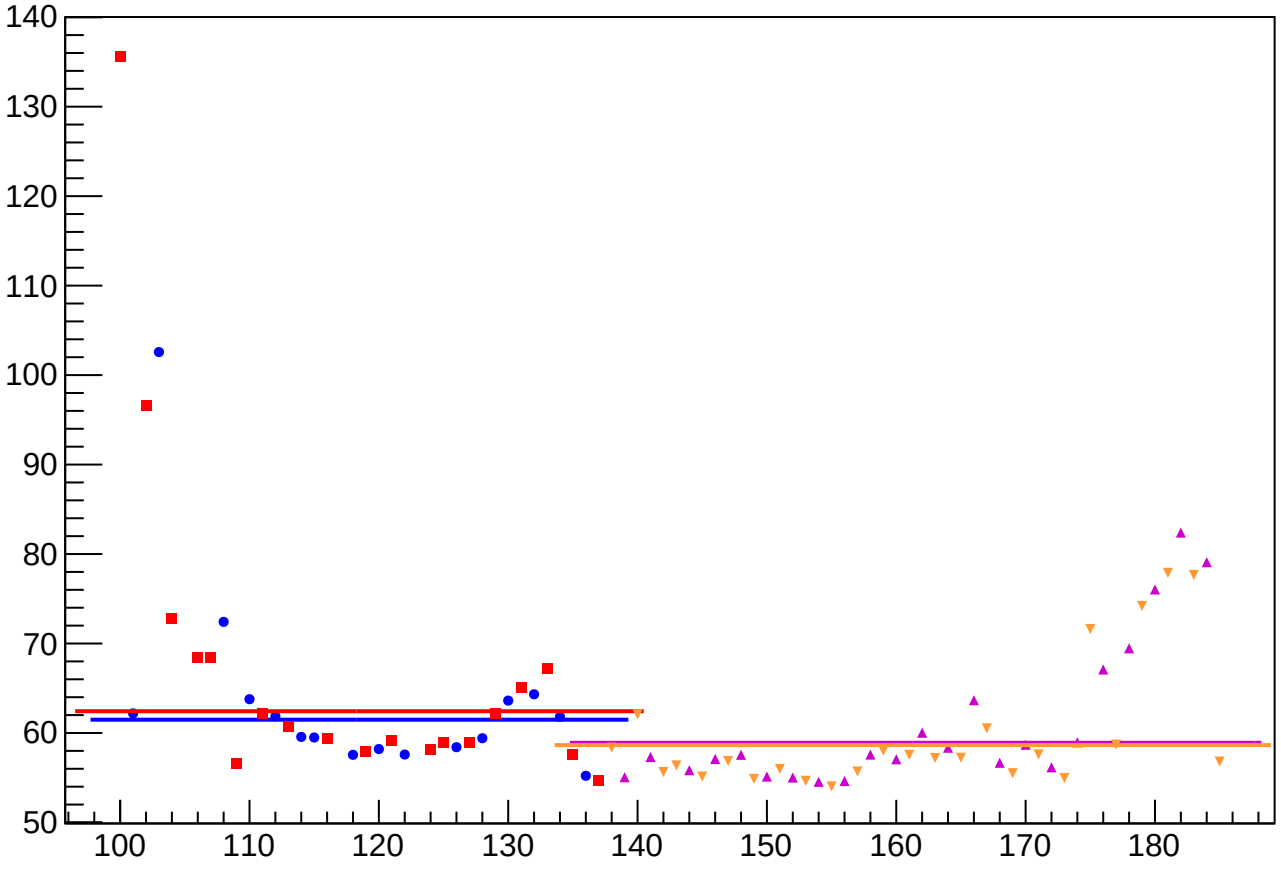
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -192.023+/-11.605 χ^2/NDF: 64.0/40

All: -14.026+/-8.308 χ^2/NDF: 624.1/82

- 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: 58.644+/-0.009 χ^2/NDF:393880.8/24

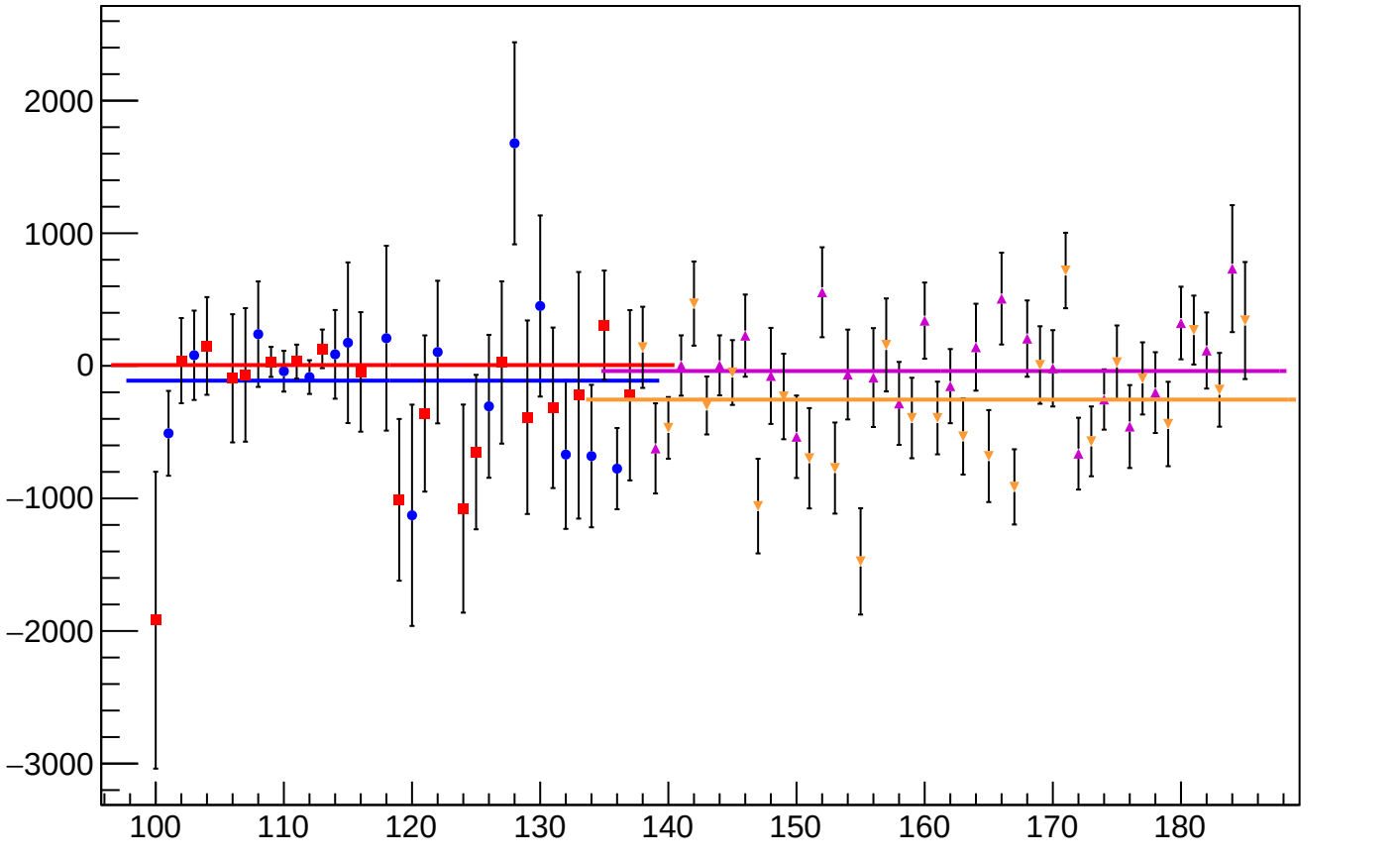
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.360+/-0.008 χ^2/NDF: 667160.7/40

All: 59.591+/-0.006 χ^2/NDF: 1369056.9/82

- sign 59.833+/-0.008 χ^2/NDF: 700274.1/41



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

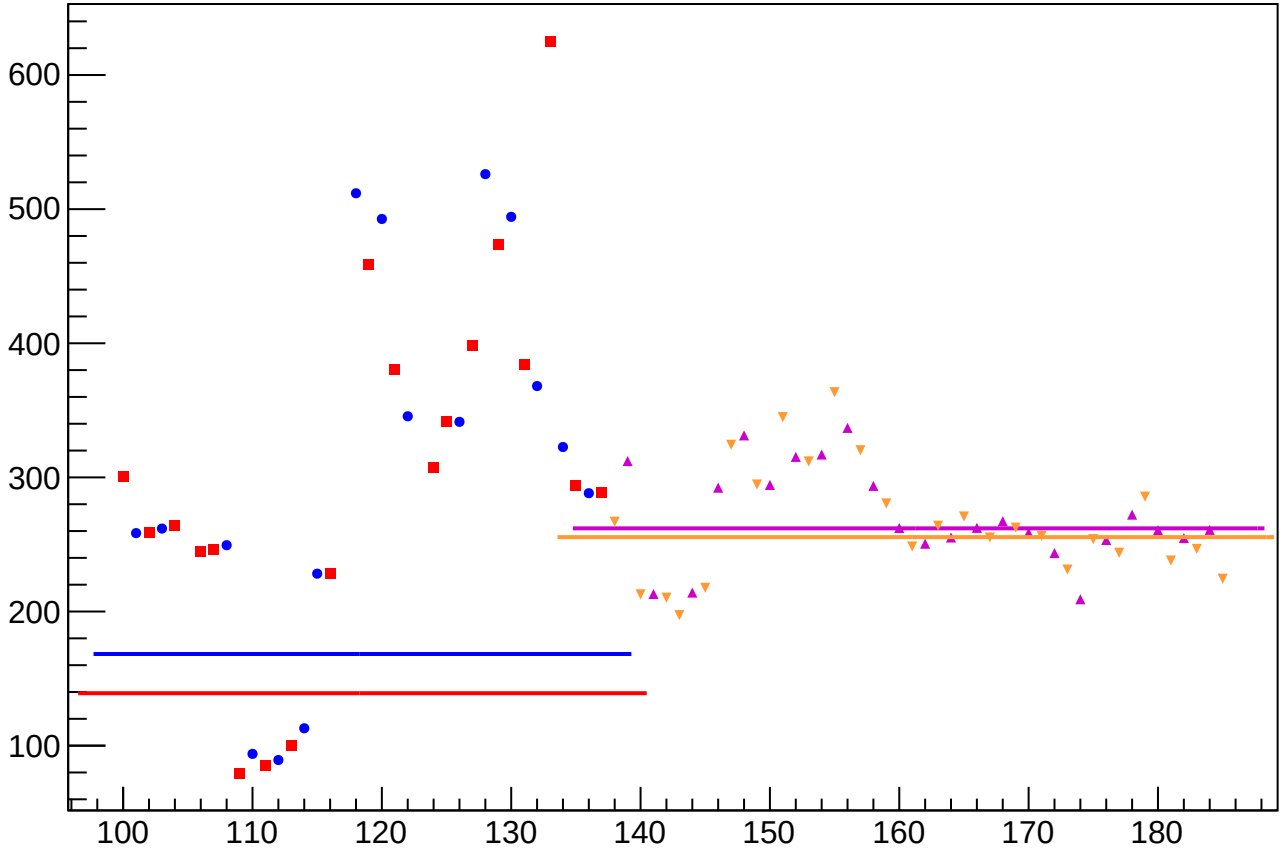
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -201.269+/-46.593 χ^2/NDF: 78.3/40

All: -105.222+/-32.187 χ^2/NDF: 126.6/82

- 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: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

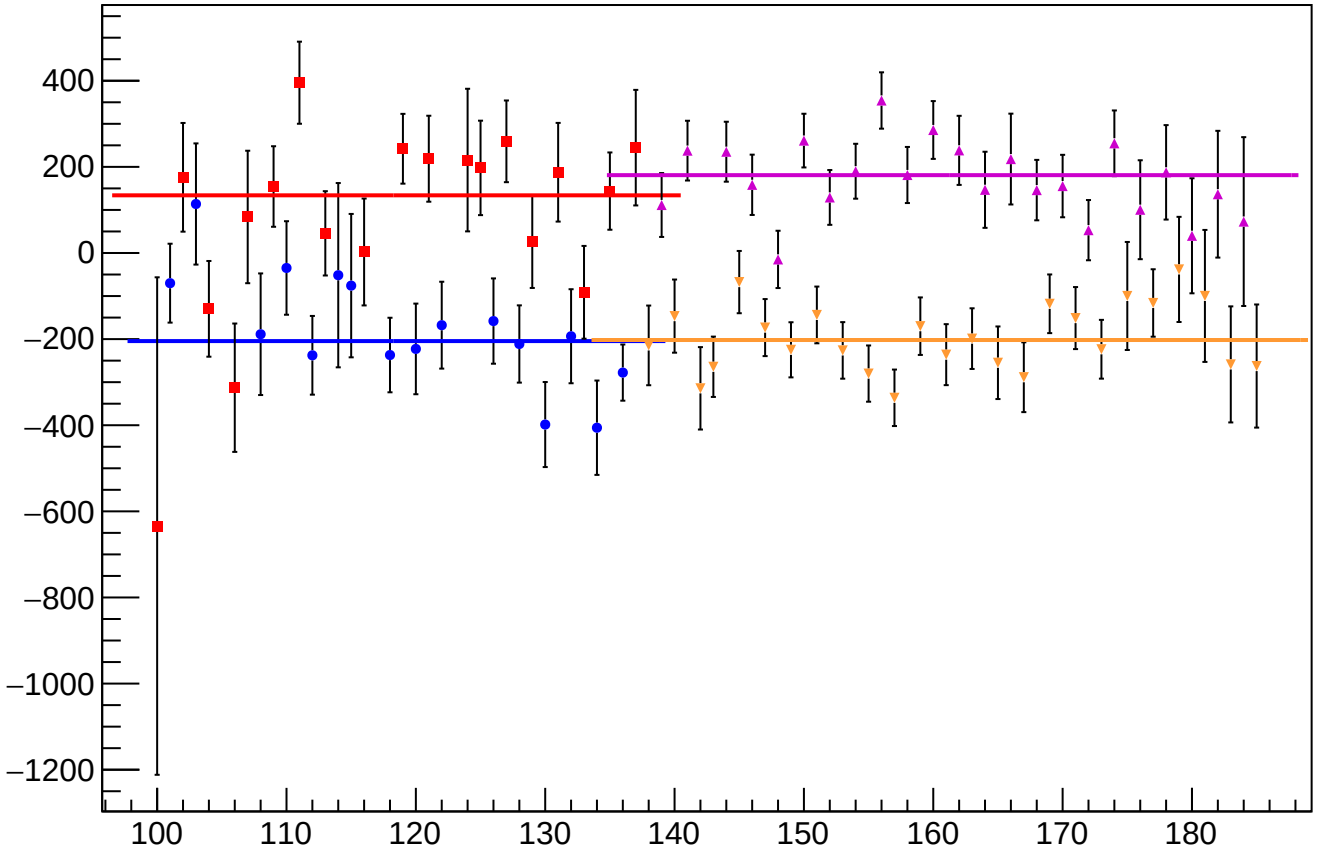
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 222.901+/-0.033 χ^2/NDF: 7045362.6/40

All: 212.342+/-0.023 χ^2/NDF: 16848970.4/82

- 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: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

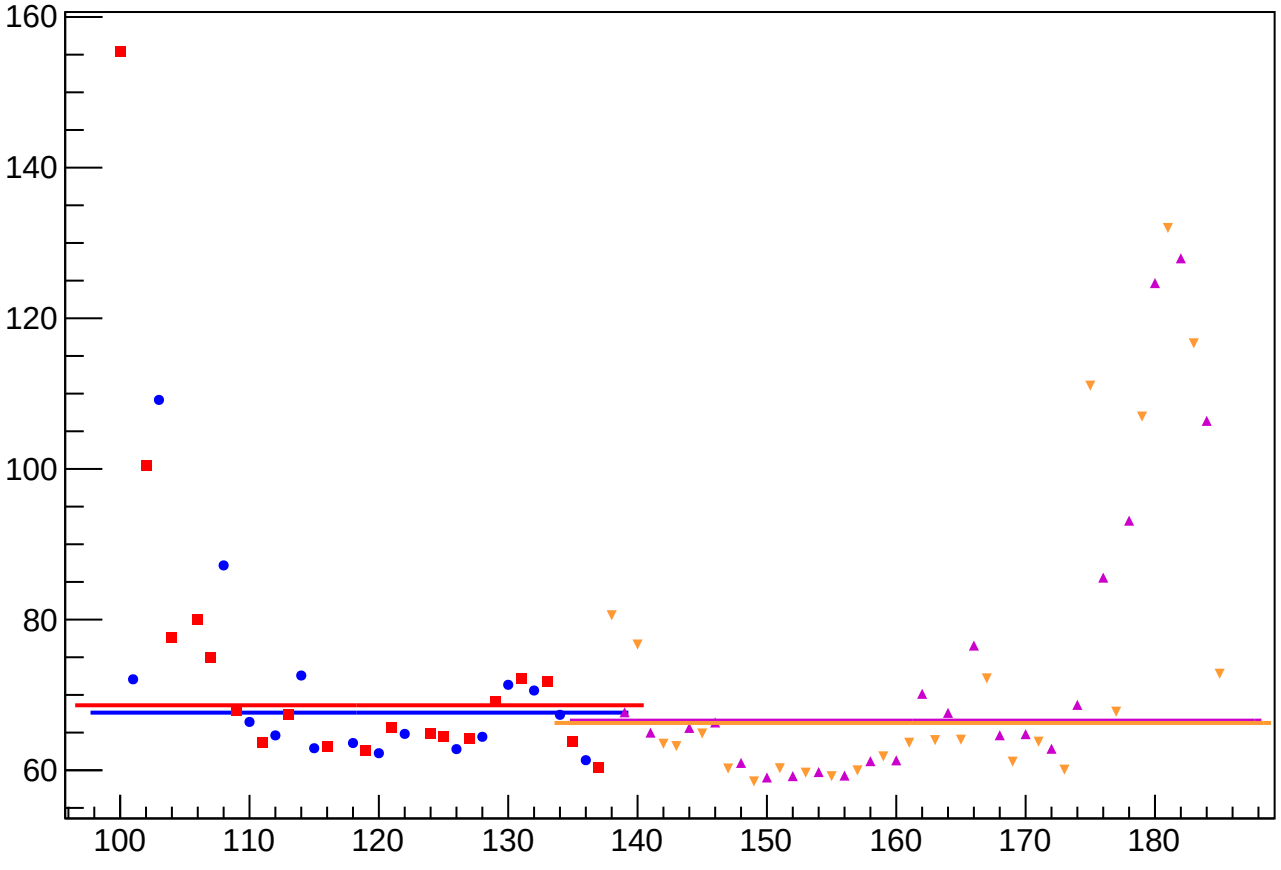
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

\+ sign -202.763+/-13.272 χ^2/NDF: 41.5/40

All: -21.626+/-9.486 χ^2/NDF: 492.1/82

\- 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: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

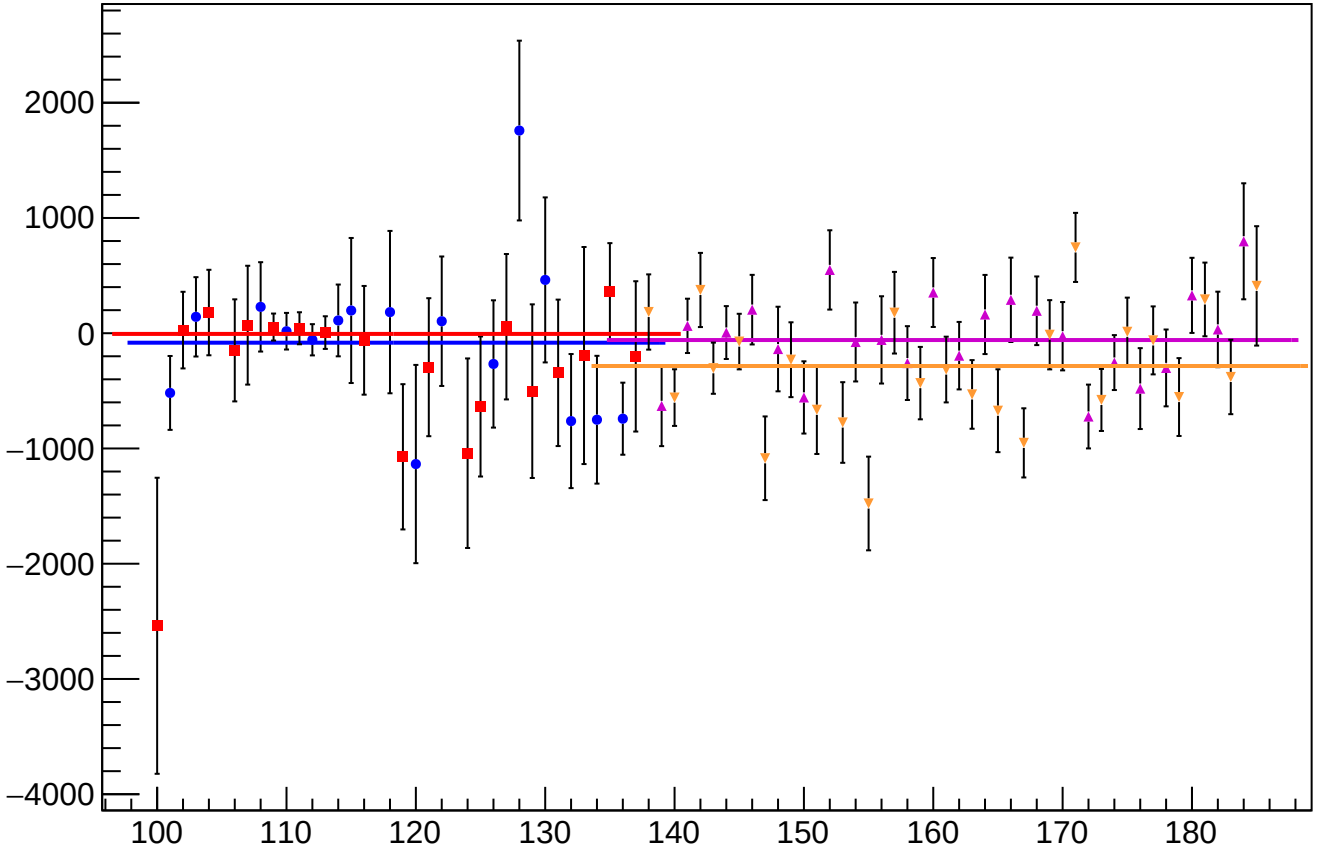
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 66.649+/-0.009 χ^2/NDF: 1661744.0/40

All: 66.900+/-0.007 χ^2/NDF: 3078786.6/82

- 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: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

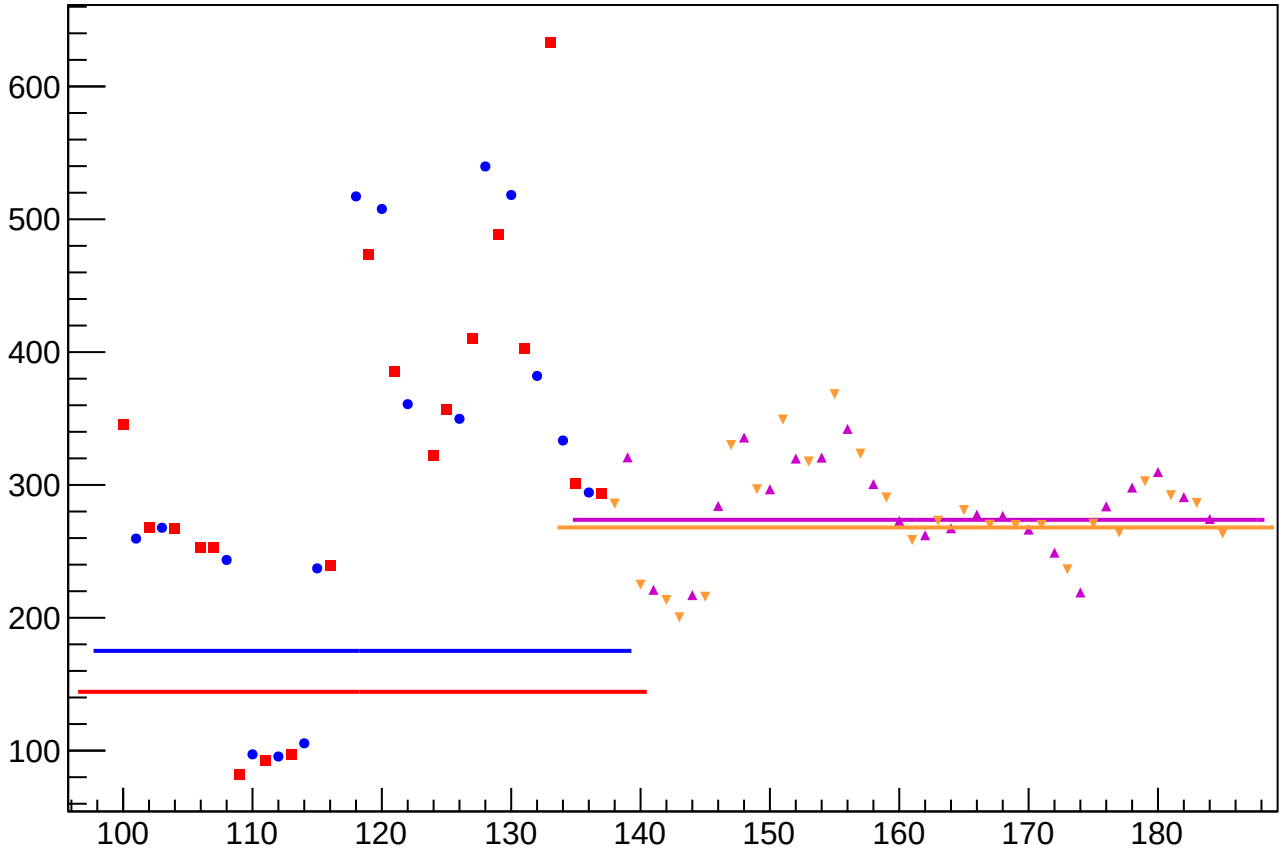
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -207.399+/-48.564 χ^2/NDF: 77.9/40

All: -115.823+/-33.453 χ^2/NDF: 123.9/82

- 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: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

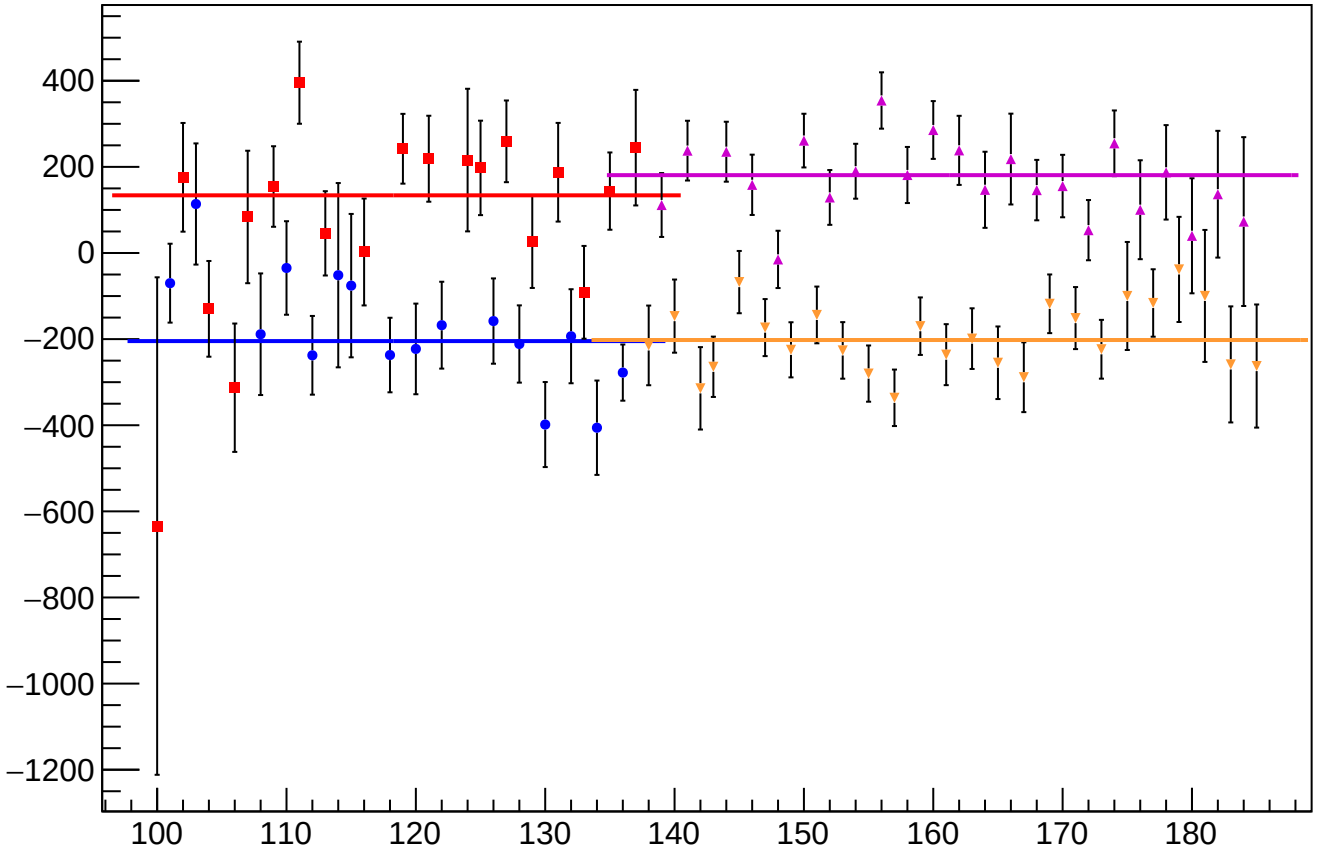
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 232.594+/-0.034 χ^2/NDF: 7017397.8/40

All: 220.867+/-0.024 χ^2/NDF: 16956270.4/82

- sign 210.277+/-0.033 χ^2/NDF: 9716931.2/41

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

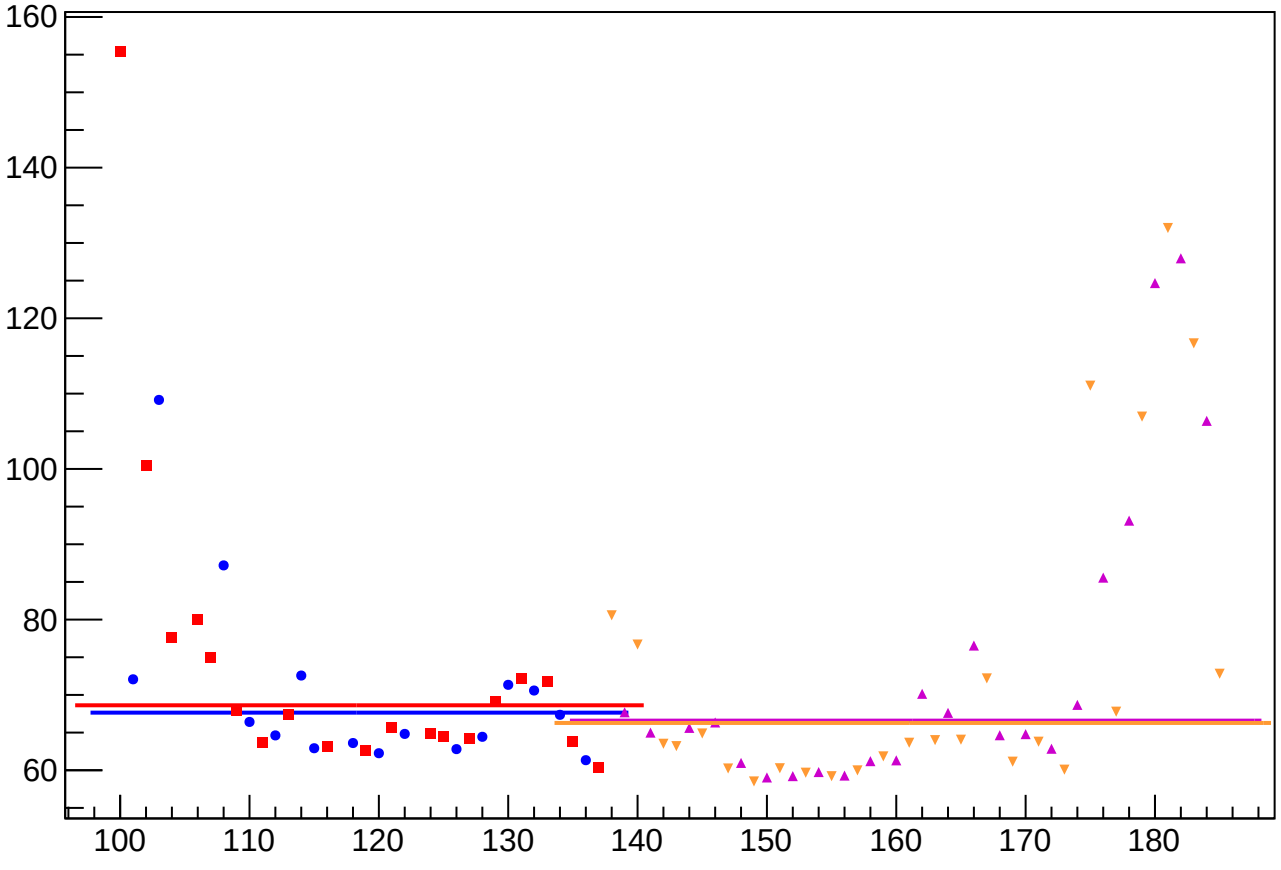
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -202.762+/-13.272 χ^2/NDF: 41.5/40

All: -21.626+/-9.486 χ^2/NDF: 492.1/82

- 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: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

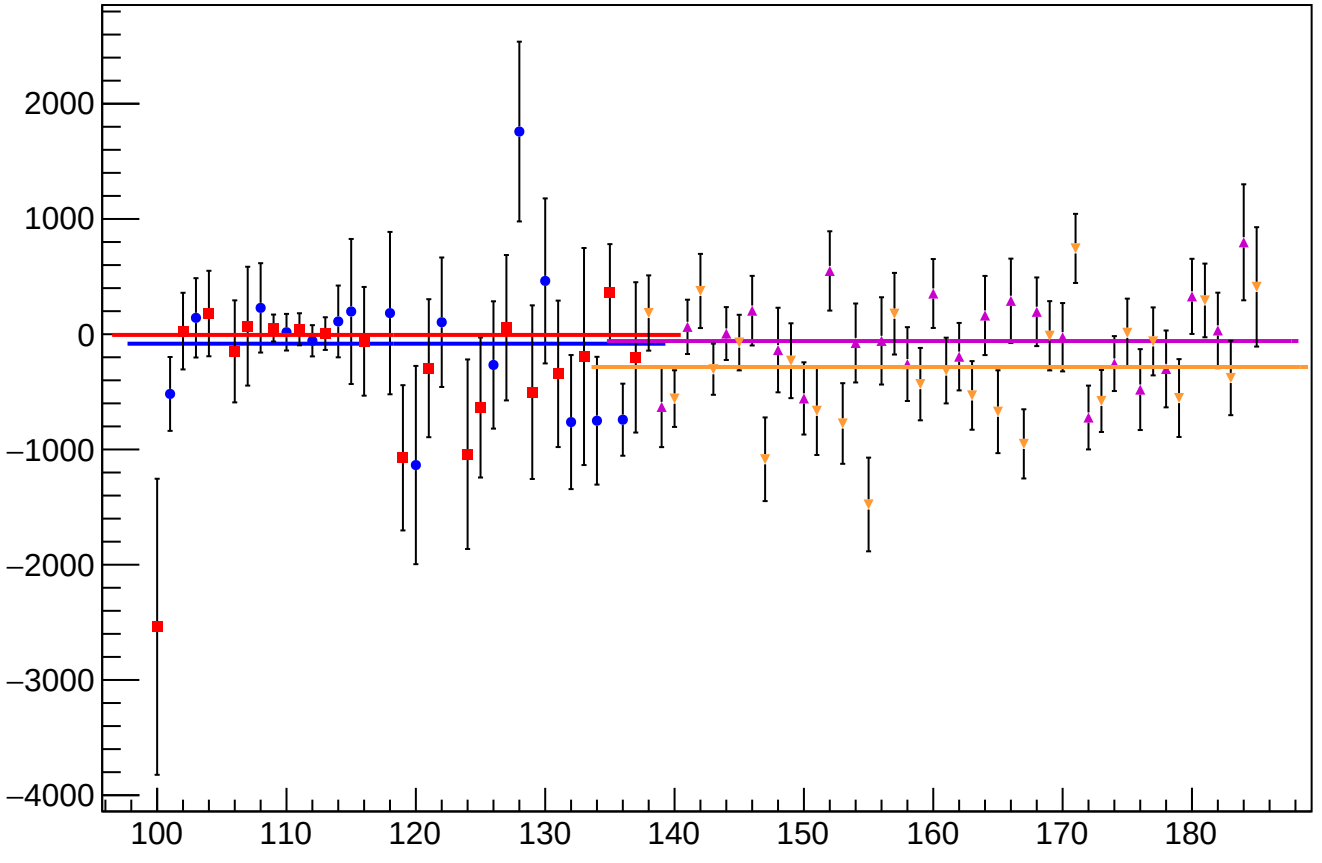
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 66.649+/-0.009 χ^2/NDF: 1661744.0/40

All: 66.900+/-0.007 χ^2/NDF: 3078779.5/82

- sign 67.163+/-0.010 χ^2/NDF: 1415569.5/41

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

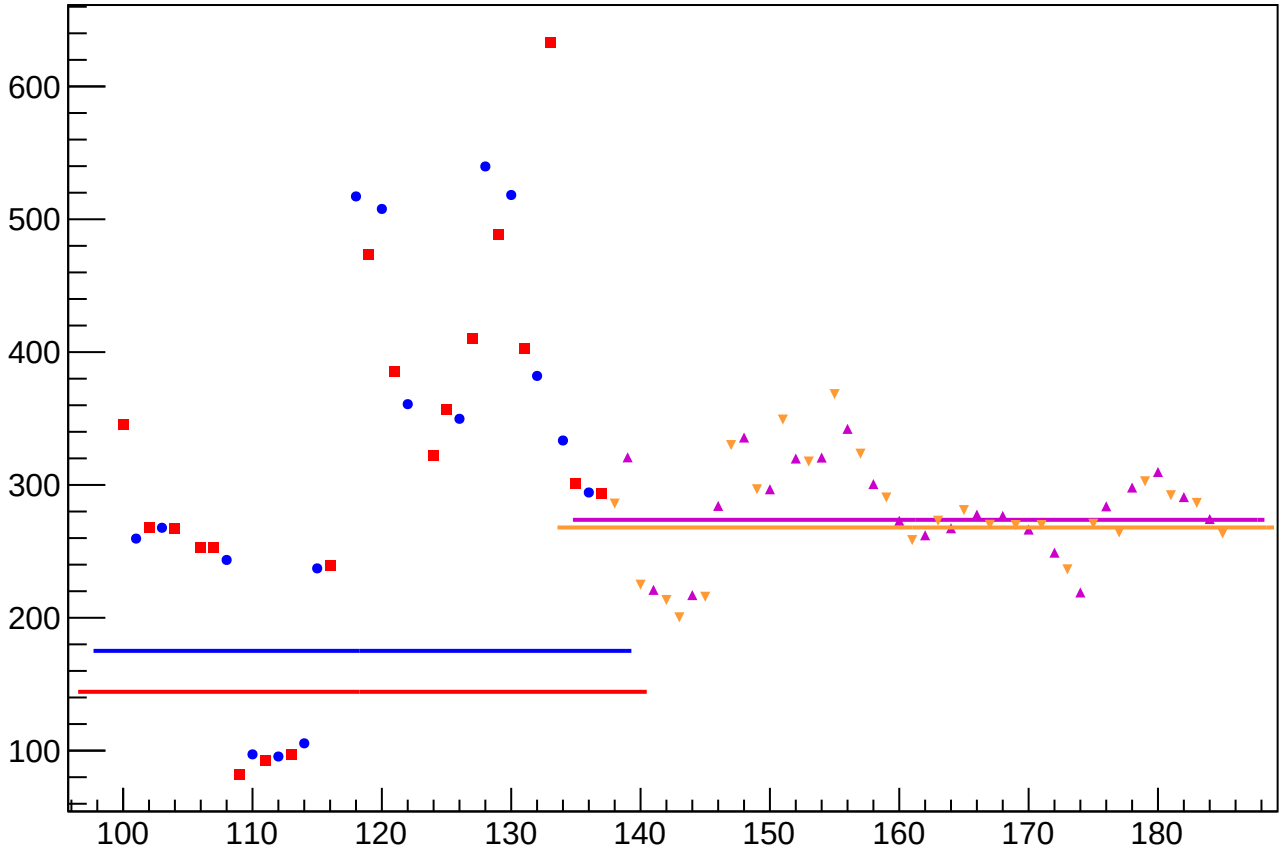
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -207.398+/-48.564 χ^2/NDF: 77.9/40

All: -115.822+/-33.453 χ^2/NDF: 123.9/82

- 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: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

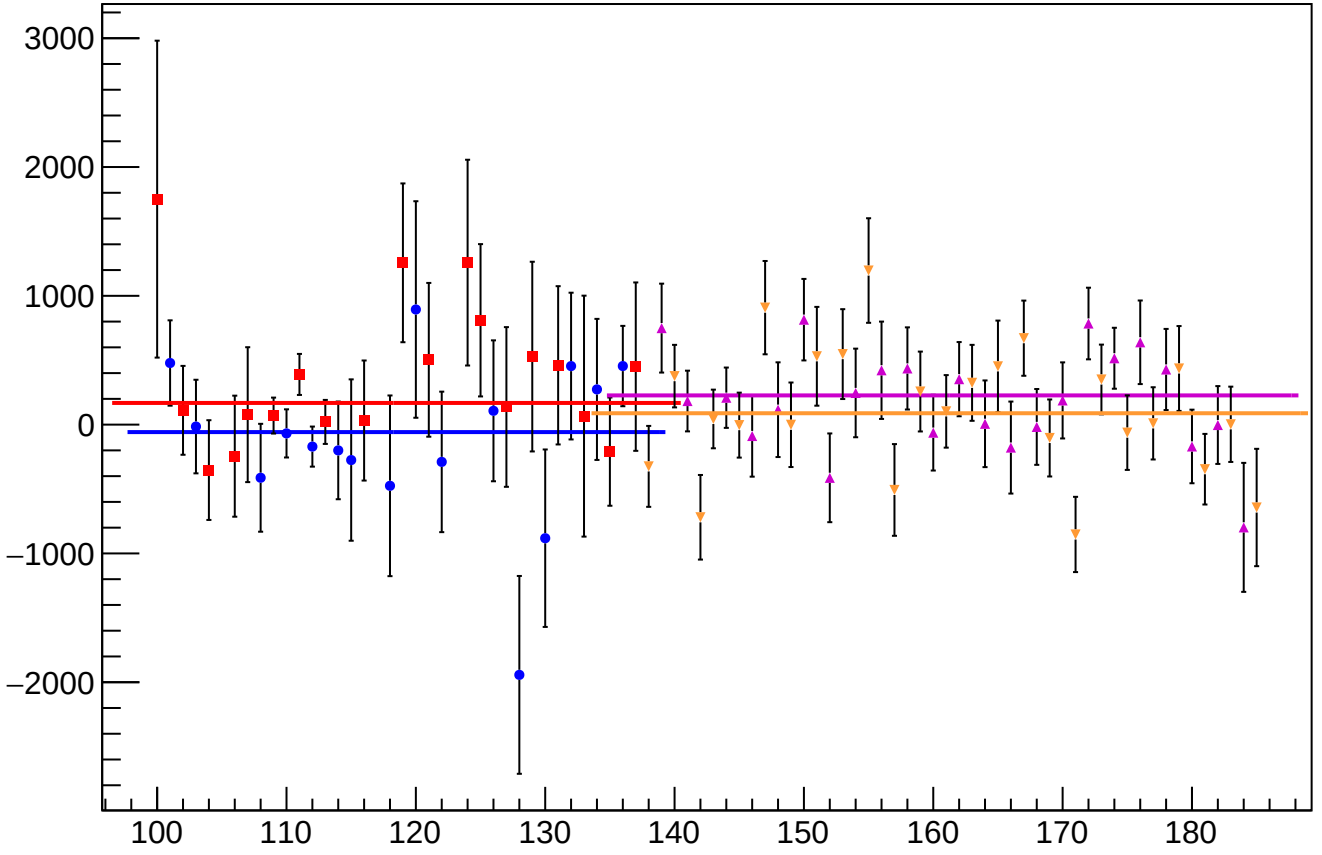
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 232.593+/-0.034 χ^2/NDF: 7017463.2/40

All: 220.866+/-0.024 χ^2/NDF: 16956294.0/82

- 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: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

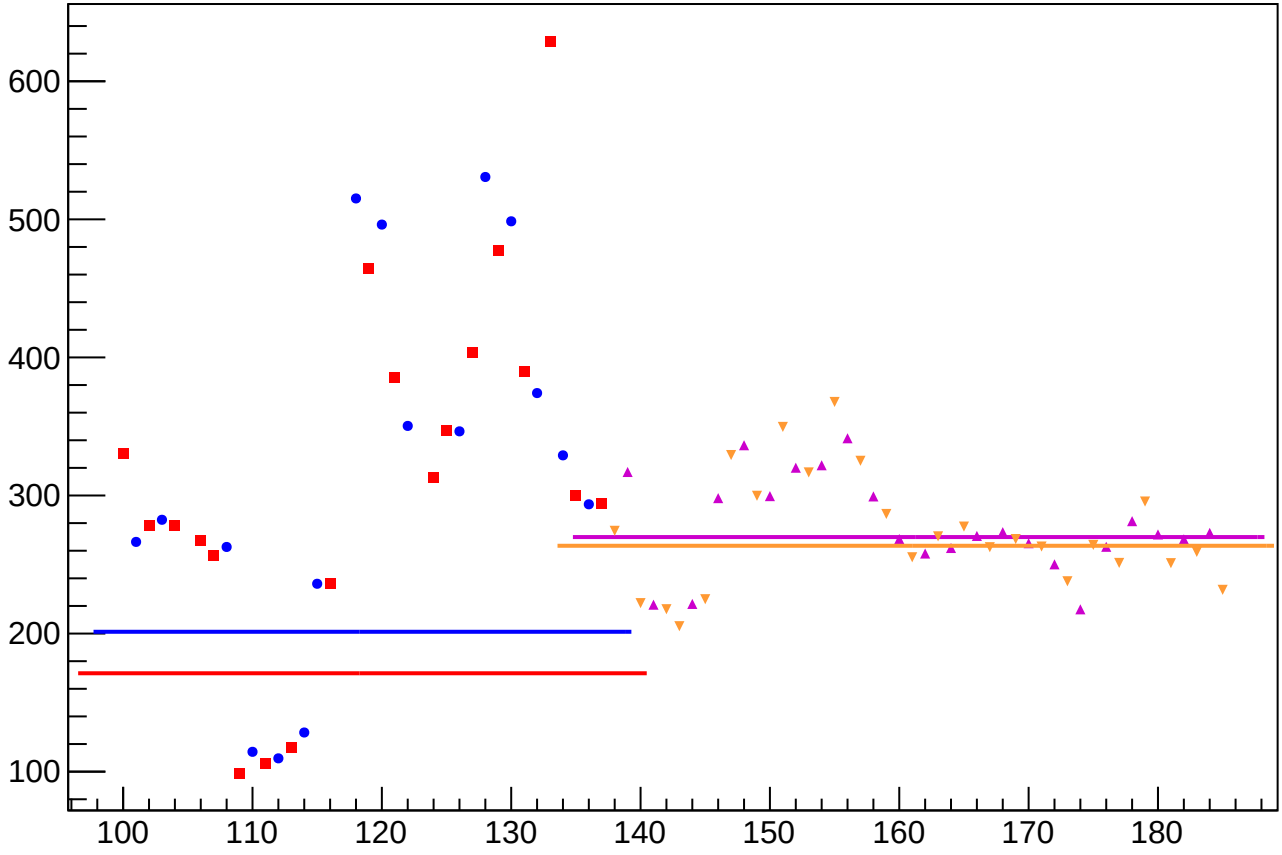
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 40.430+/-49.742 χ^2/NDF: 71.5/40

All: 123.468+/-34.700 χ^2/NDF: 121.6/82

- 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: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

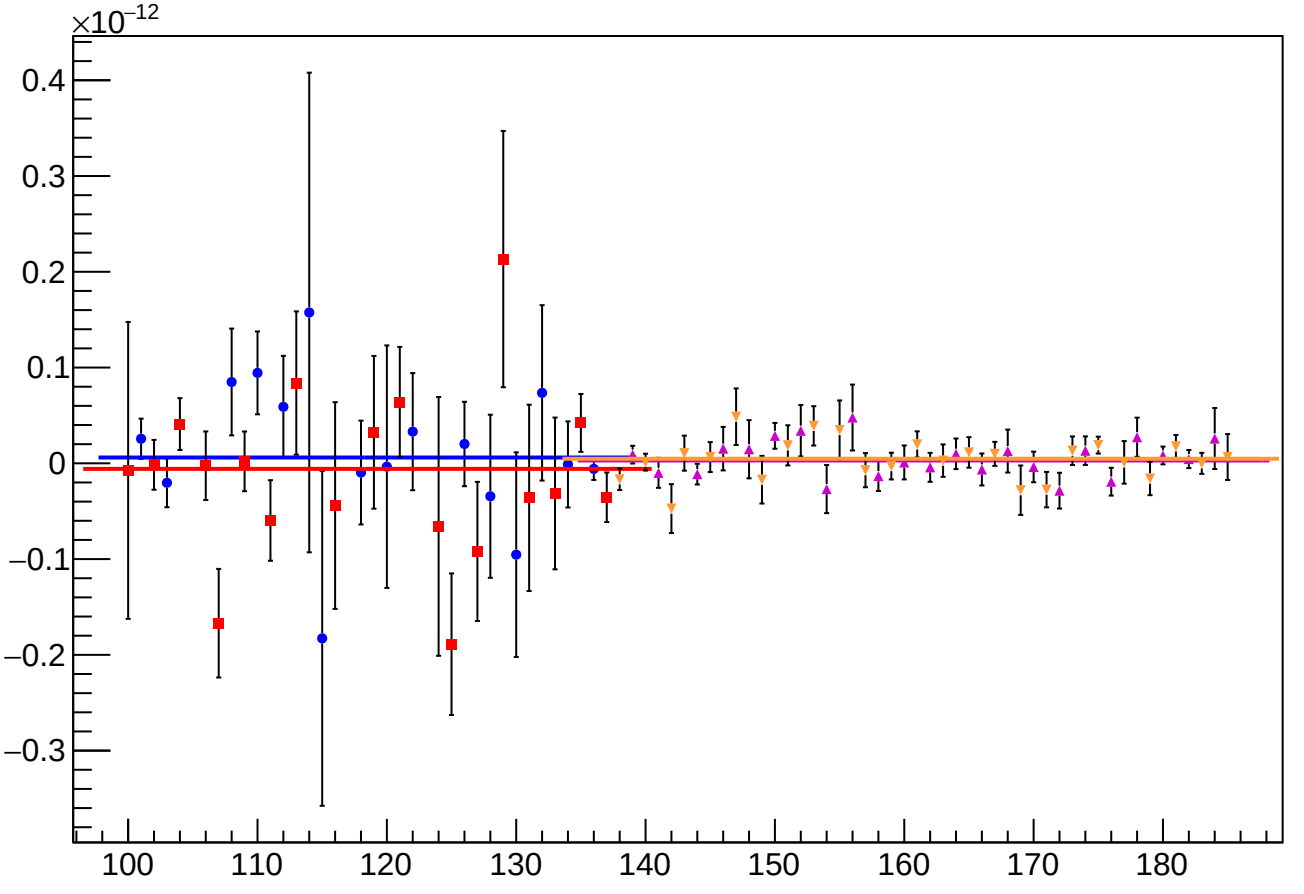
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 243.179+/-0.035 χ^2/NDF: 5043078.8/40

All: 235.550+/-0.025 χ^2/NDF: 11952698.8/82

- 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:27.9/24

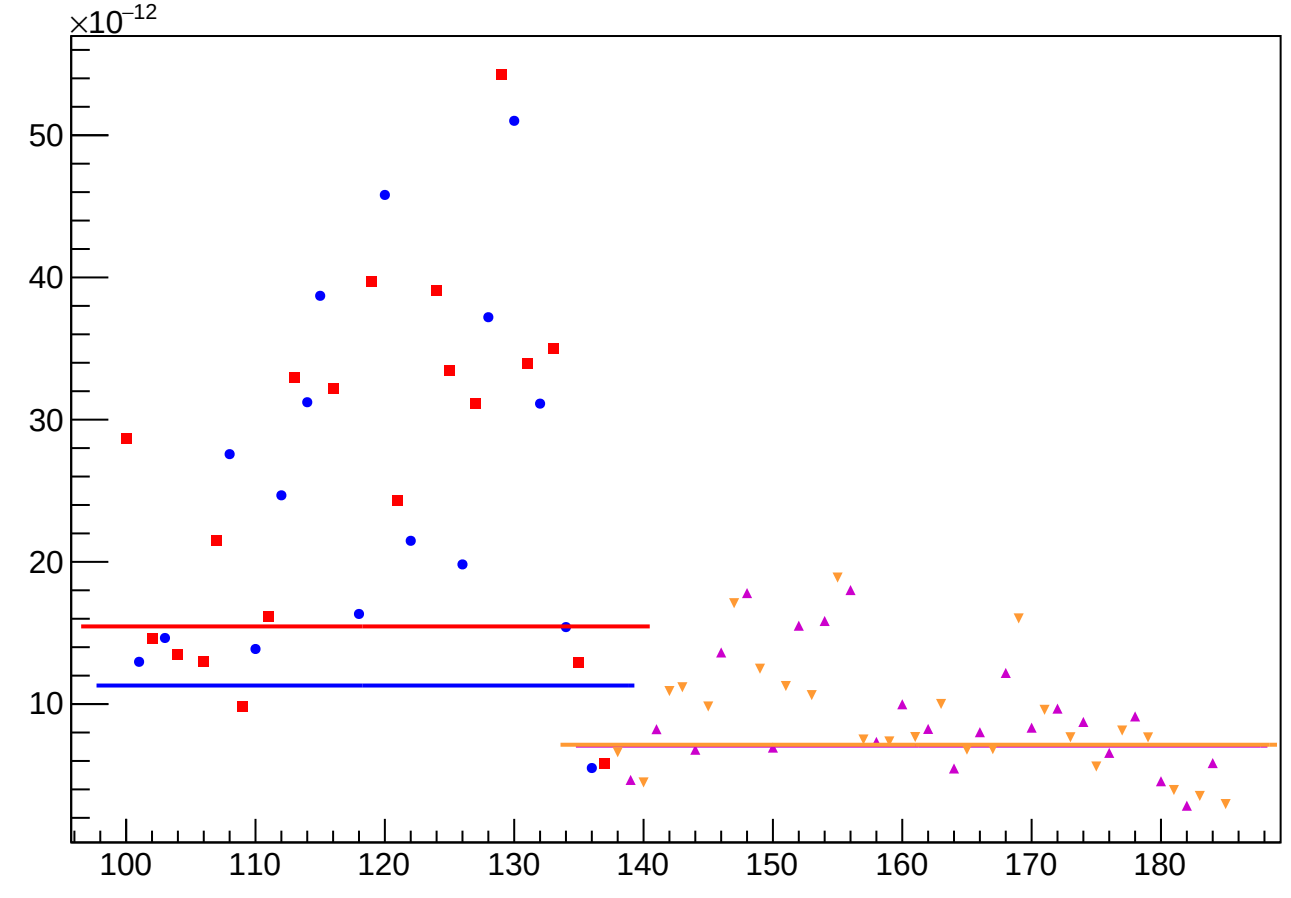
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/40

All: 0.000+/-0.000 χ^2/NDF: 94.9/82

- sign 0.000+/-0.000 χ^2/NDF: 52.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

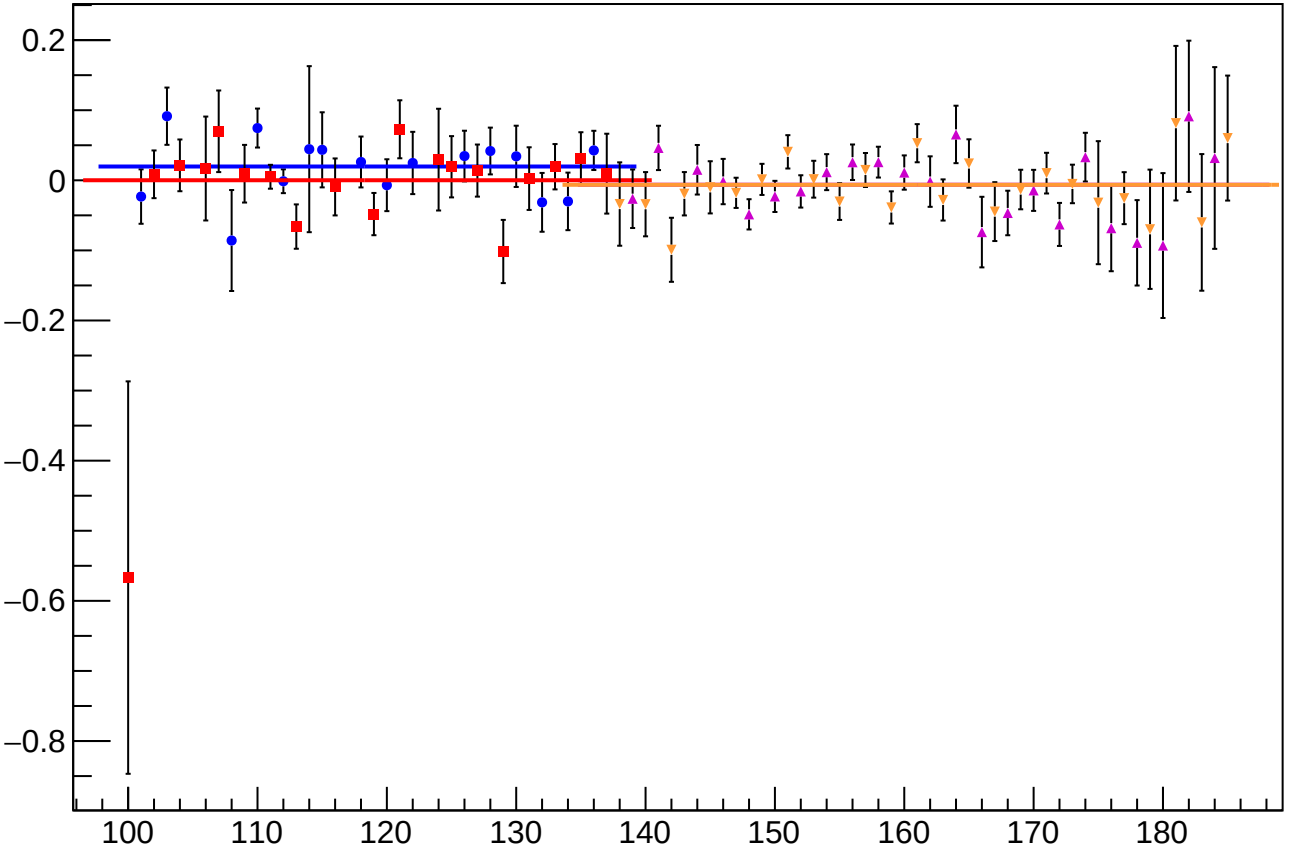
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4188878.3/40

All: 0.000+/-0.000 χ^2/NDF: 8922318.5/82

- sign 0.000+/-0.000 χ^2/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: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

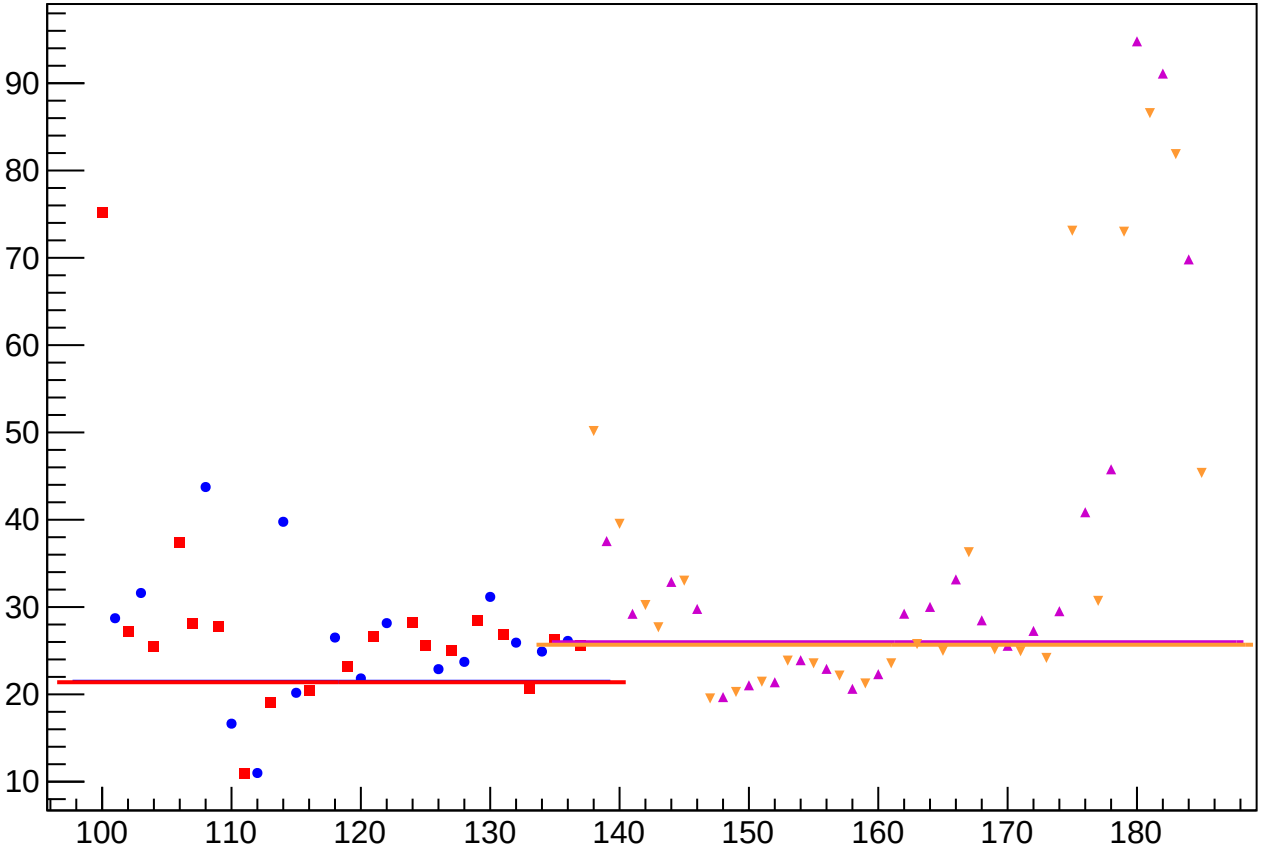
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.4/40

All: -0.001+/-0.004 χ^2/NDF: 97.9/82

- 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: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

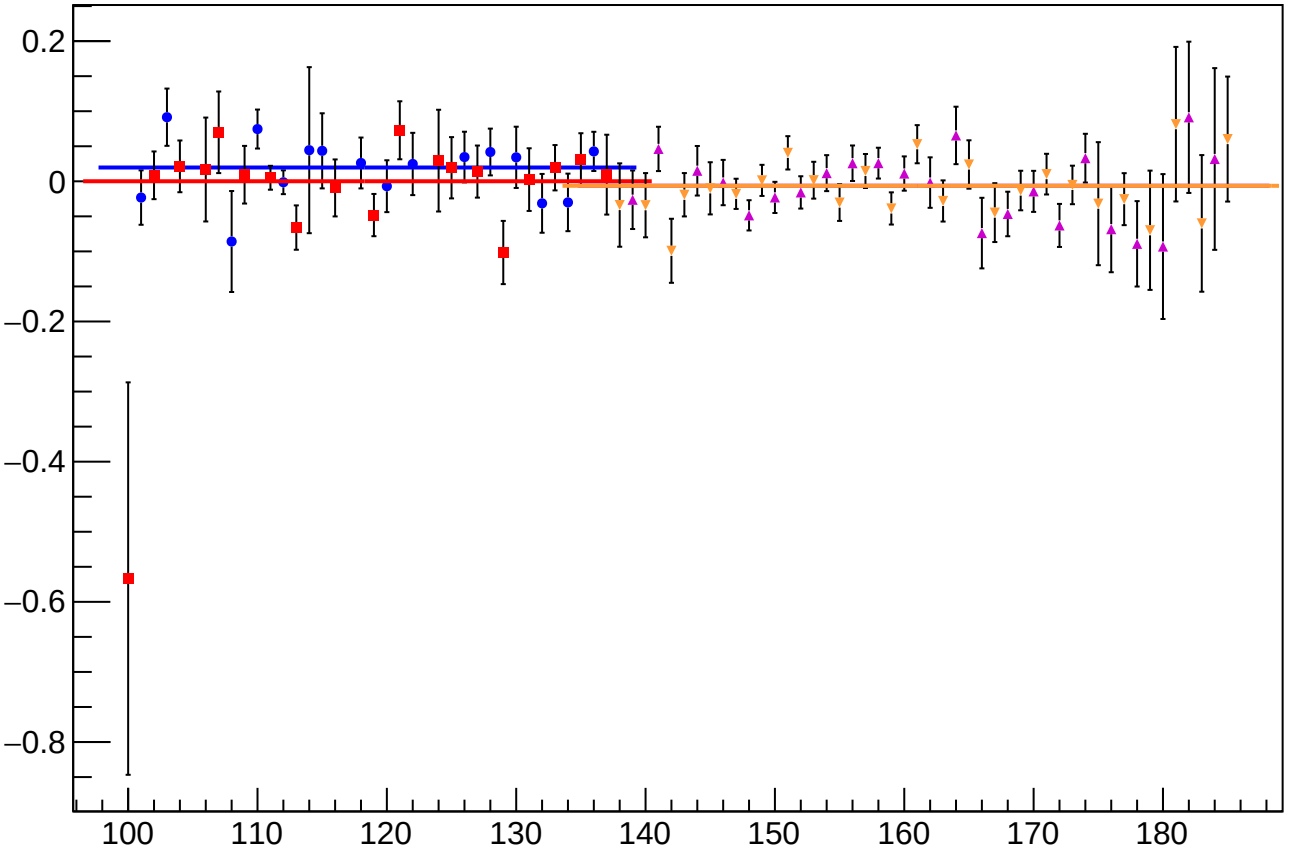
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.194+/-0.004 χ^2/NDF: 5721534.0/40

All: 24.217+/-0.003 χ^2/NDF: 10513073.4/82

- 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: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

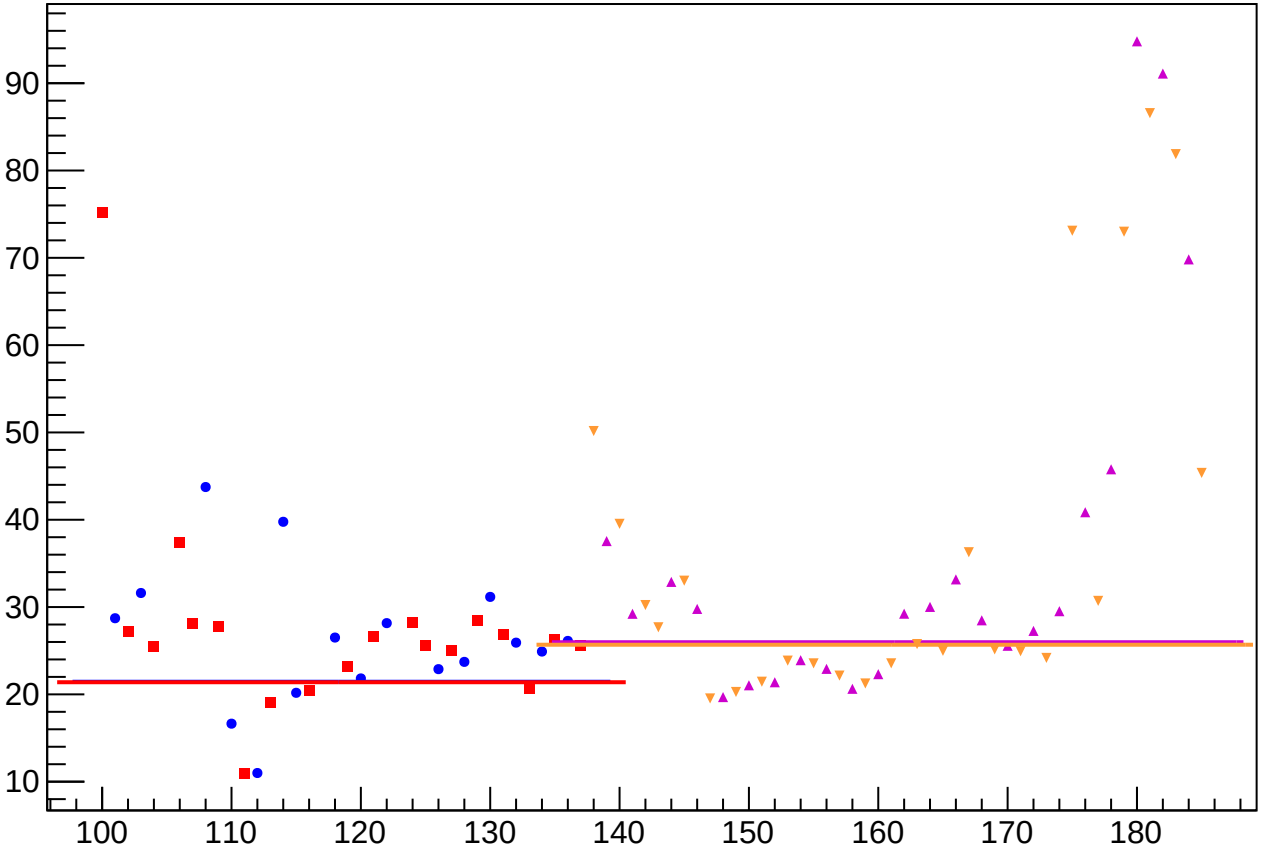
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.4/40

All: -0.001+/-0.004 χ^2/NDF: 97.9/82

- 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: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

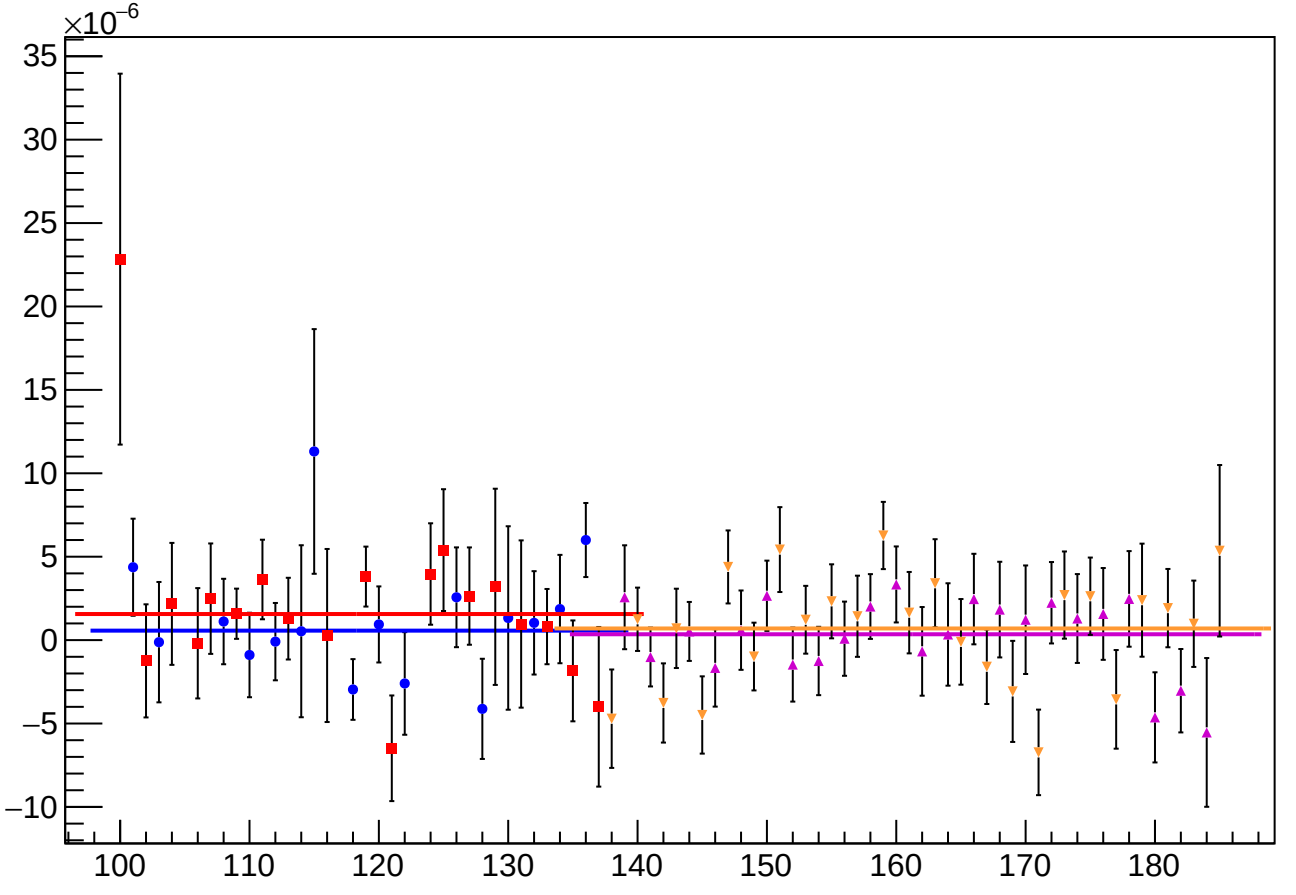
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.194+/-0.004 χ^2/NDF: 5721534.0/40

All: 24.217+/-0.003 χ^2/NDF: 10513073.4/82

- 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:44.3/24

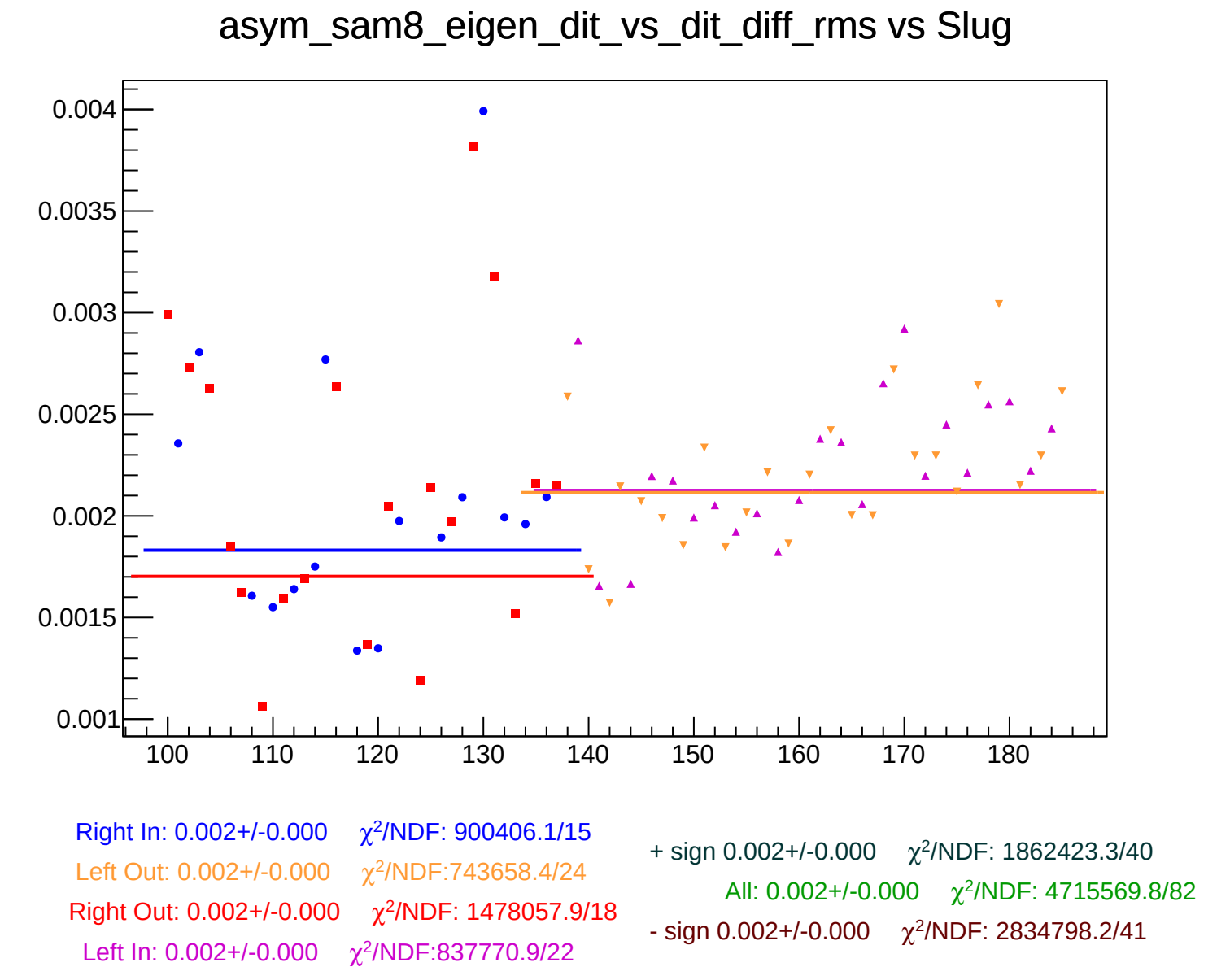
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

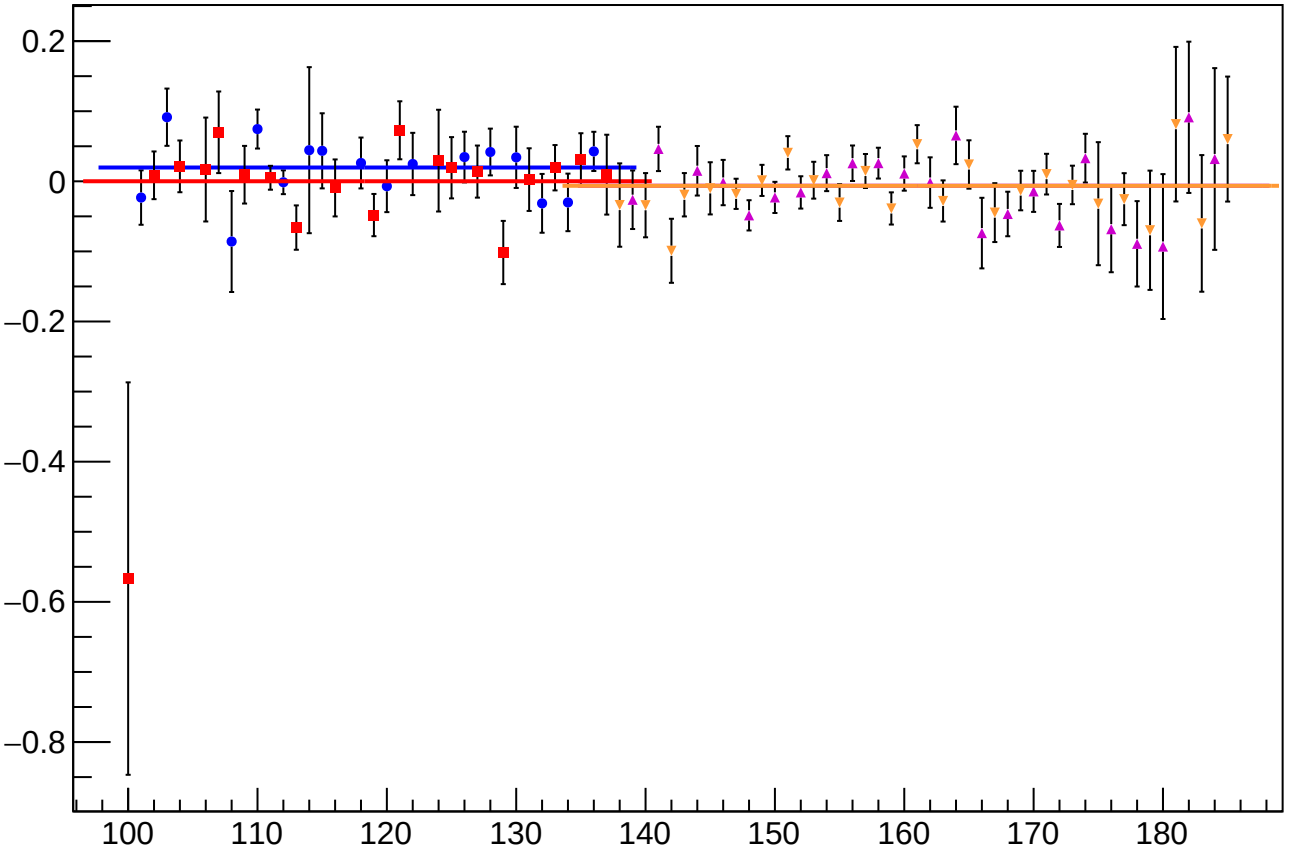
+ sign 0.000+/-0.000 χ^2/NDF: 62.6/40

All: 0.000+/-0.000 χ^2/NDF: 99.5/82

- 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:743658.4/24
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: 1862423.3/40
All: 0.002+/-0.000 χ²/NDF: 4715569.8/82
- sign 0.002+/-0.000 χ²/NDF: 2834798.2/41

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

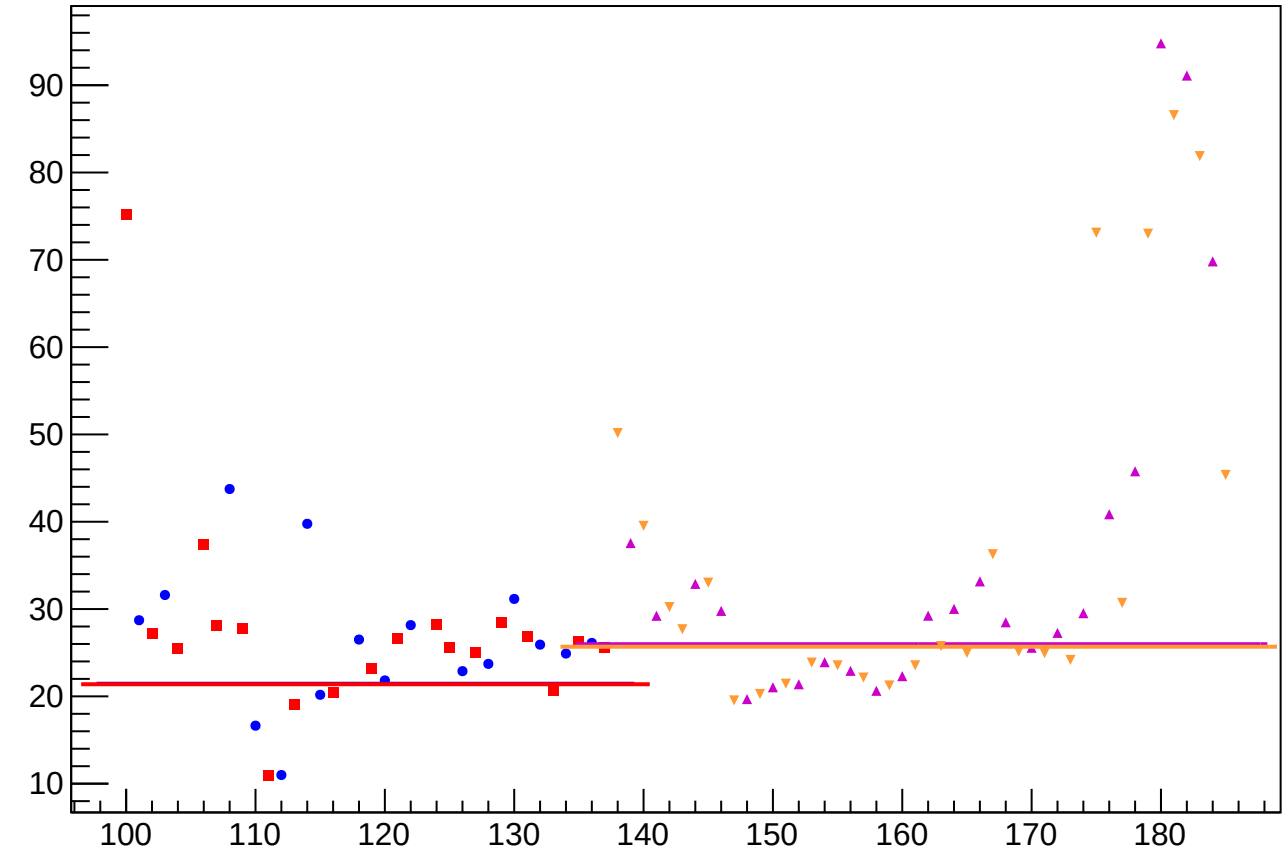
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.4/40

All: -0.001+/-0.004 χ^2/NDF: 97.9/82

- 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: 25.685+/-0.005 χ^2/NDF:3871544.4/24

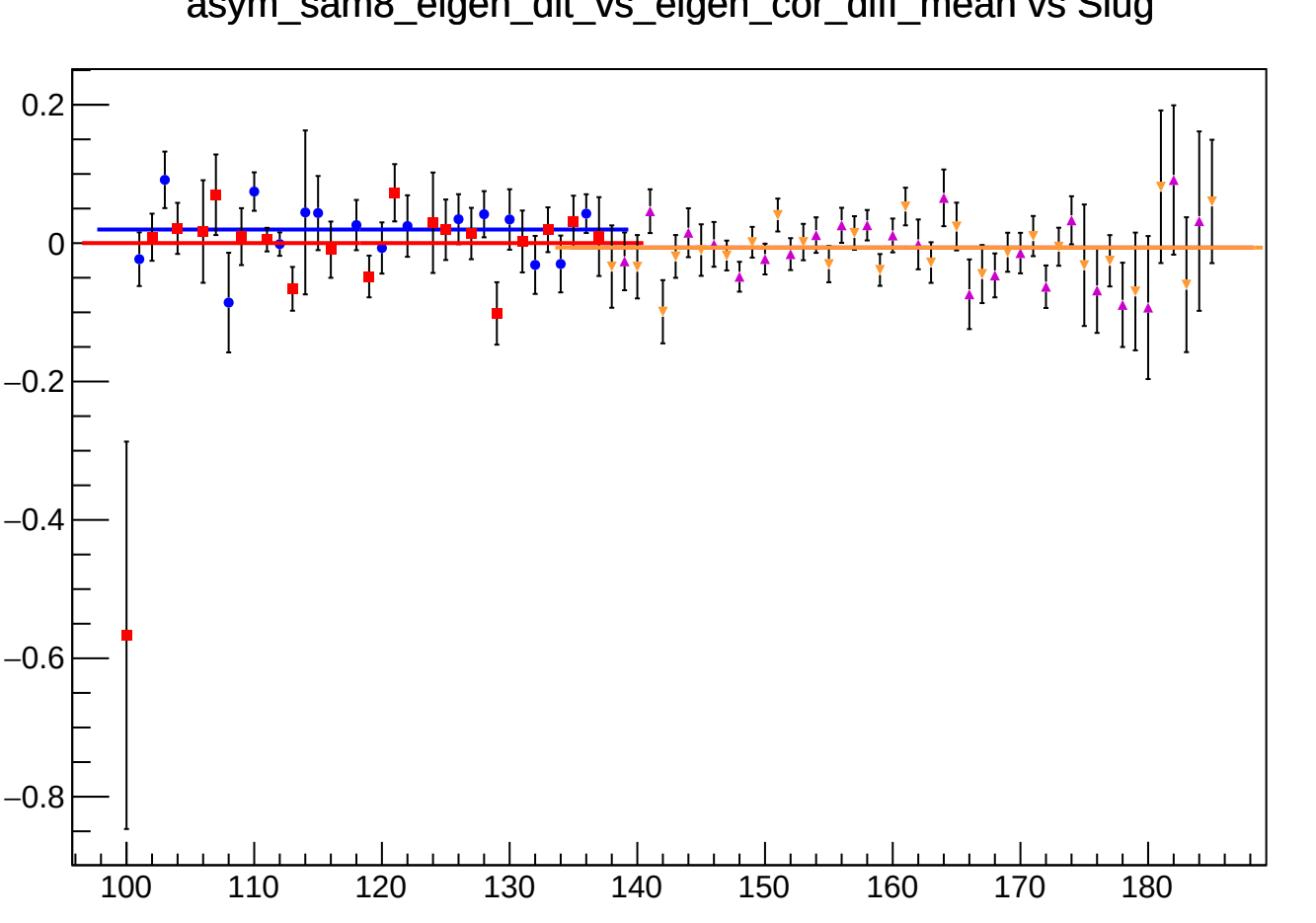
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.194+/-0.004 χ^2/NDF: 5721805.4/40

All: 24.217+/-0.003 χ^2/NDF: 10513580.5/82

- 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: -0.006+/-0.006 χ^2/NDF:22.6/24

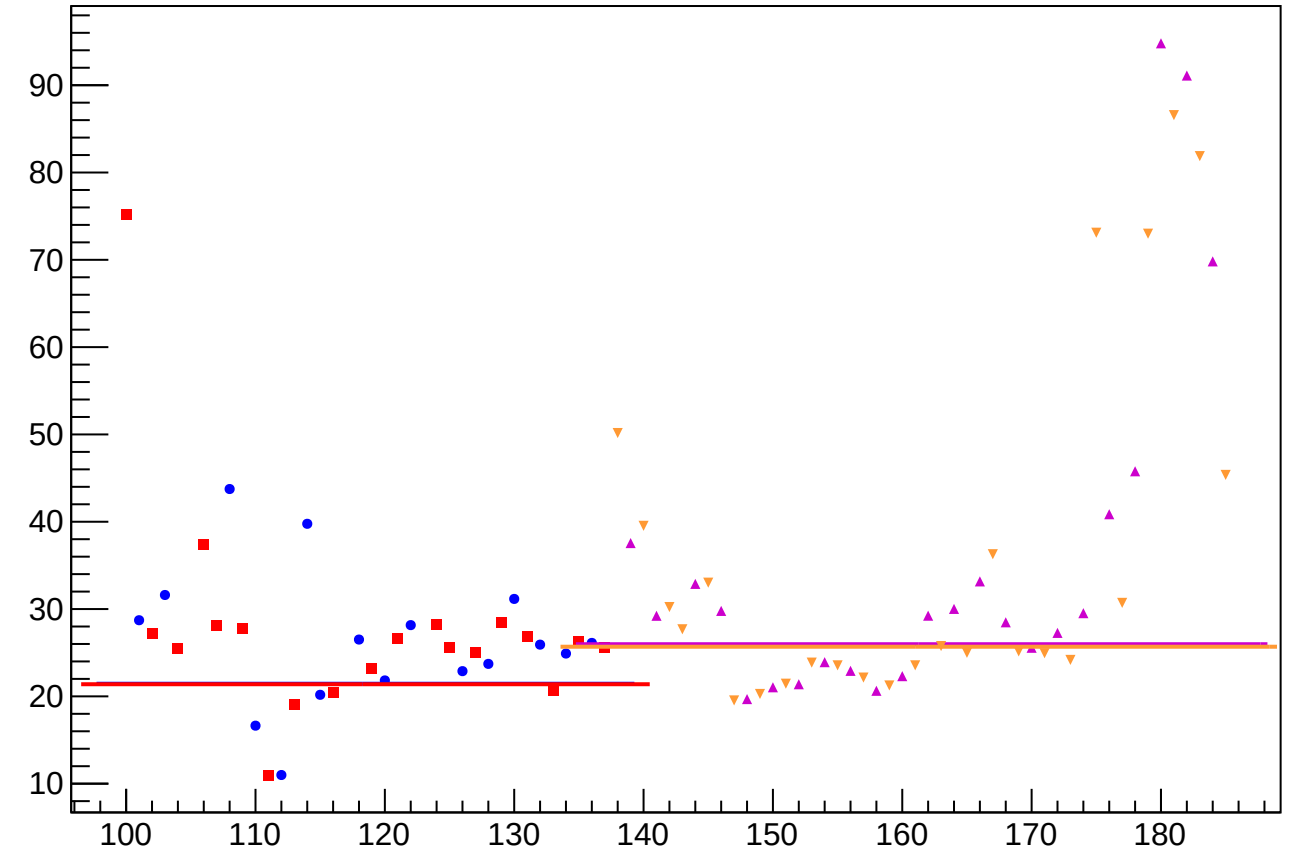
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 45.4/40

All: -0.001+/-0.004 χ^2/NDF: 97.9/82

- 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: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

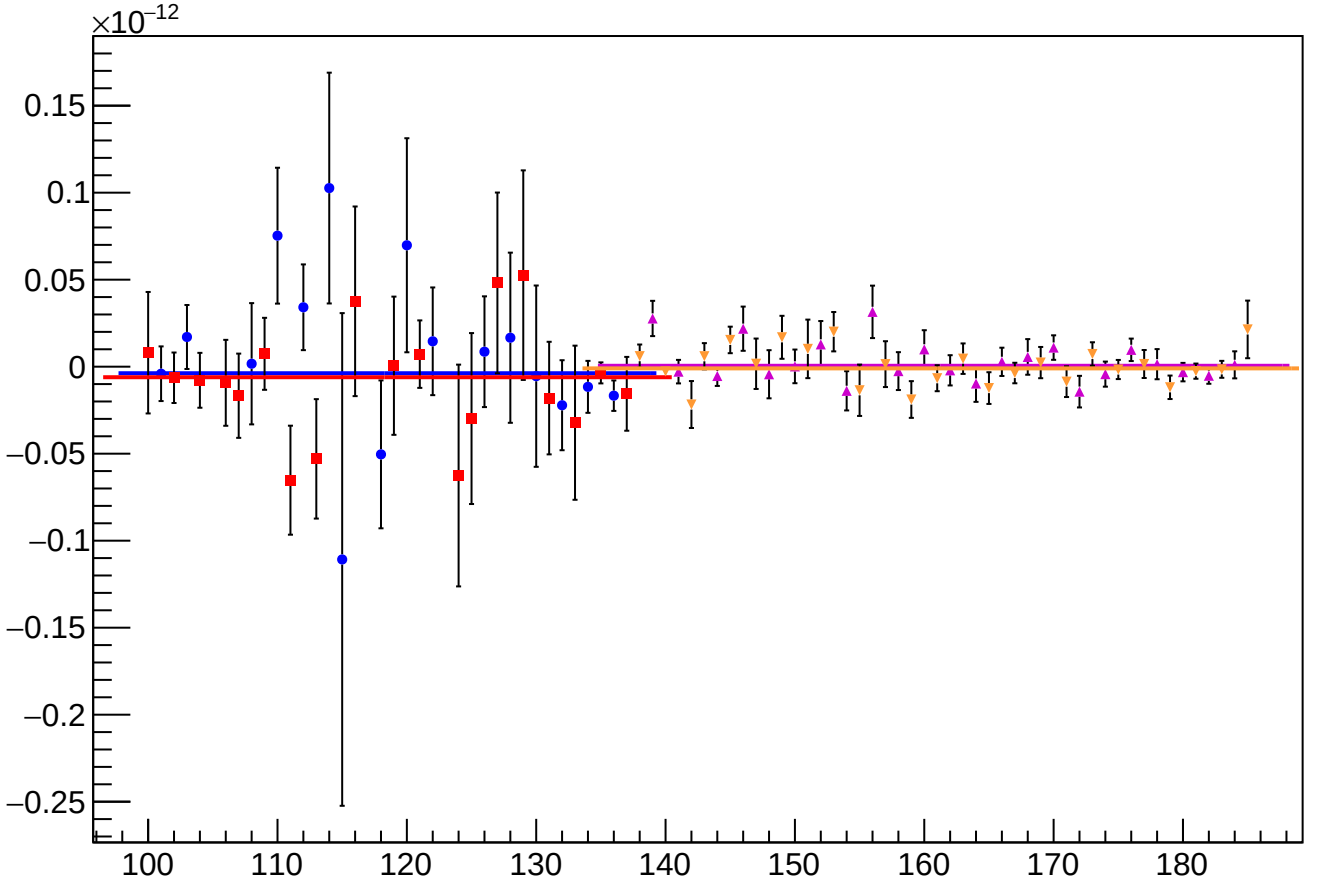
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.194+/-0.004 χ^2/NDF: 5721805.4/40

All: 24.217+/-0.003 χ^2/NDF: 10513580.5/82

- sign 24.241+/-0.004 χ^2/NDF: 4791691.8/41

asym_sam8_eigen_cor_vs_cor_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:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

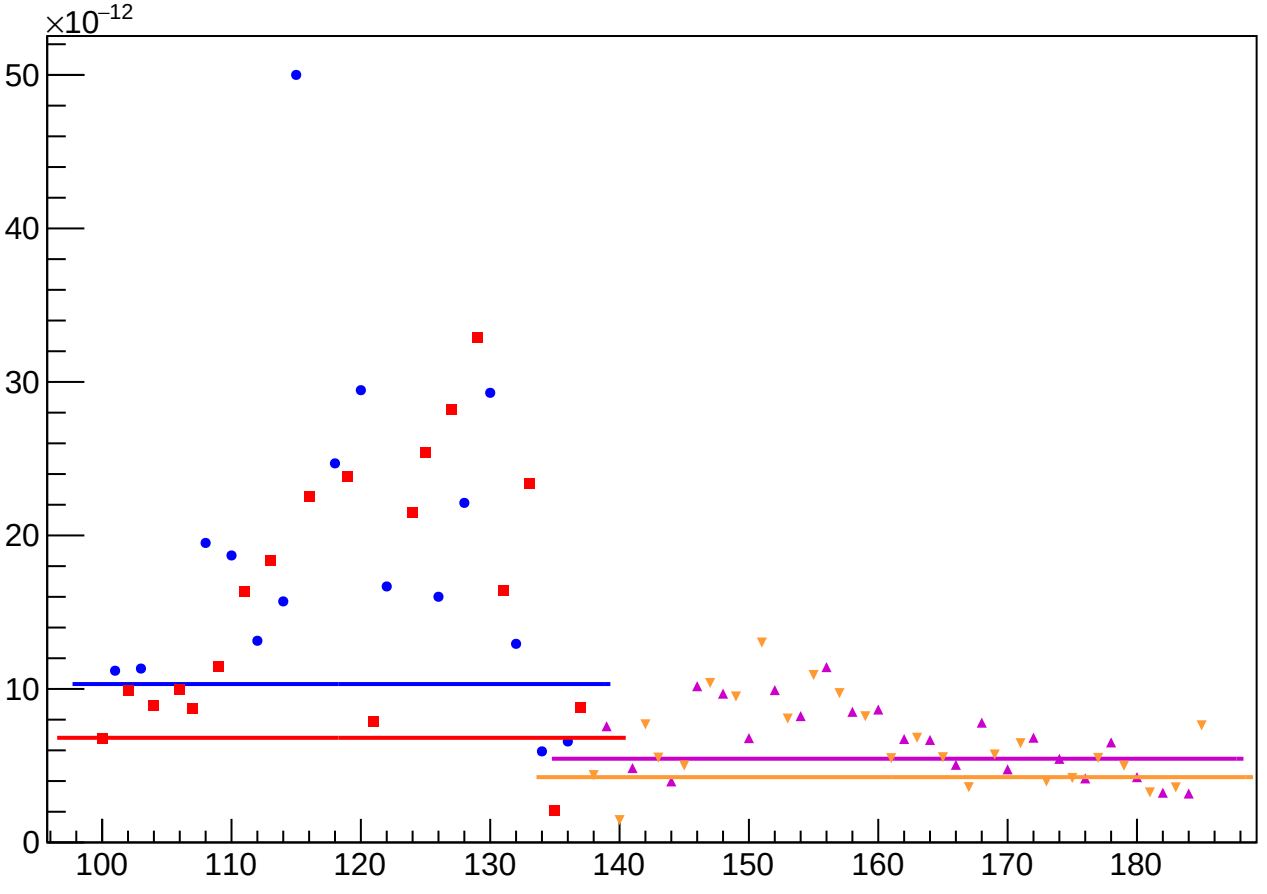
Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.2/40

All: -0.000+/-0.000 χ^2/NDF: 89.3/82

- 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:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

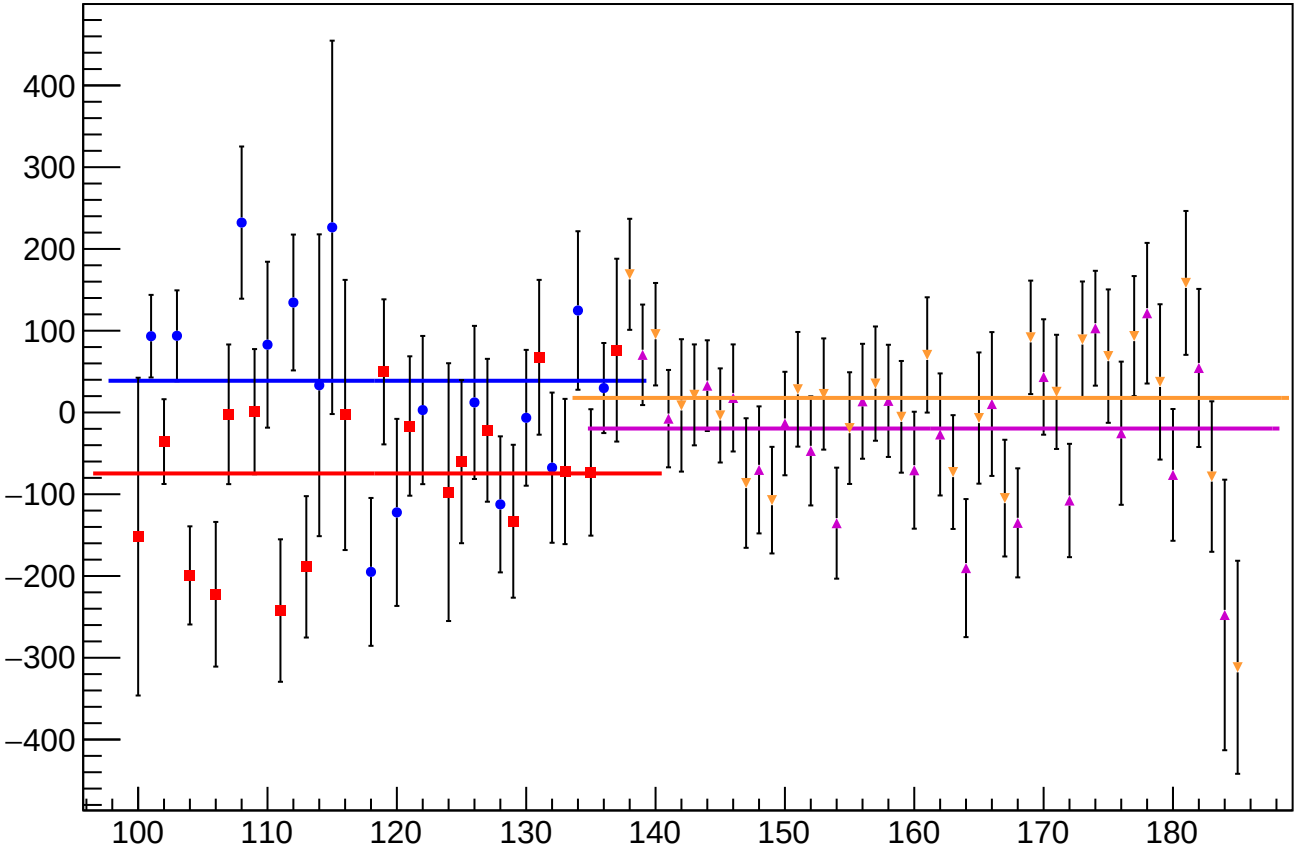
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9637230.2/40

All: 0.000+/-0.000 χ^2/NDF: 17118710.9/82

- 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: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

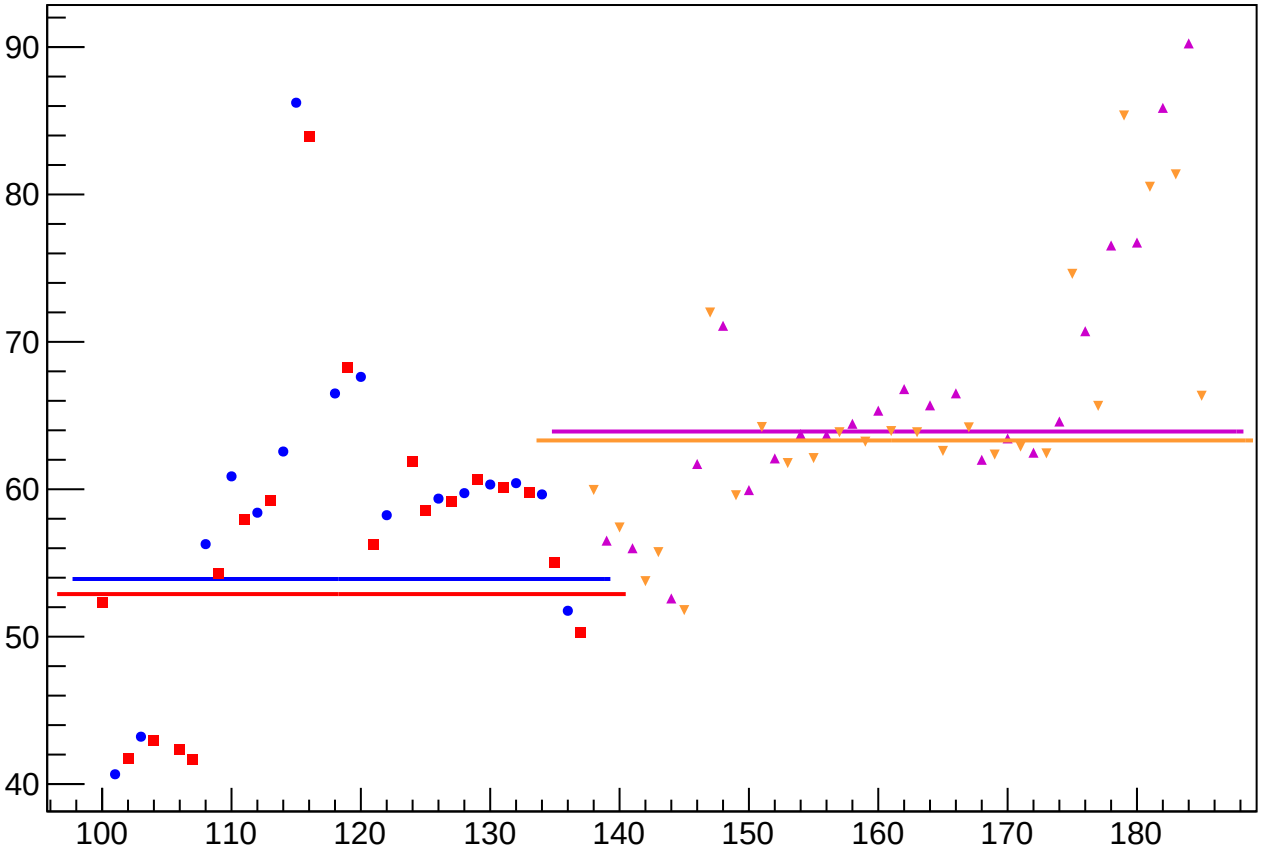
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.834+/-11.819 χ^2/NDF: 55.6/40

All: -7.023+/-8.412 χ^2/NDF: 123.9/82

- sign -39.740+/-11.977 χ^2/NDF: 53.6/41

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

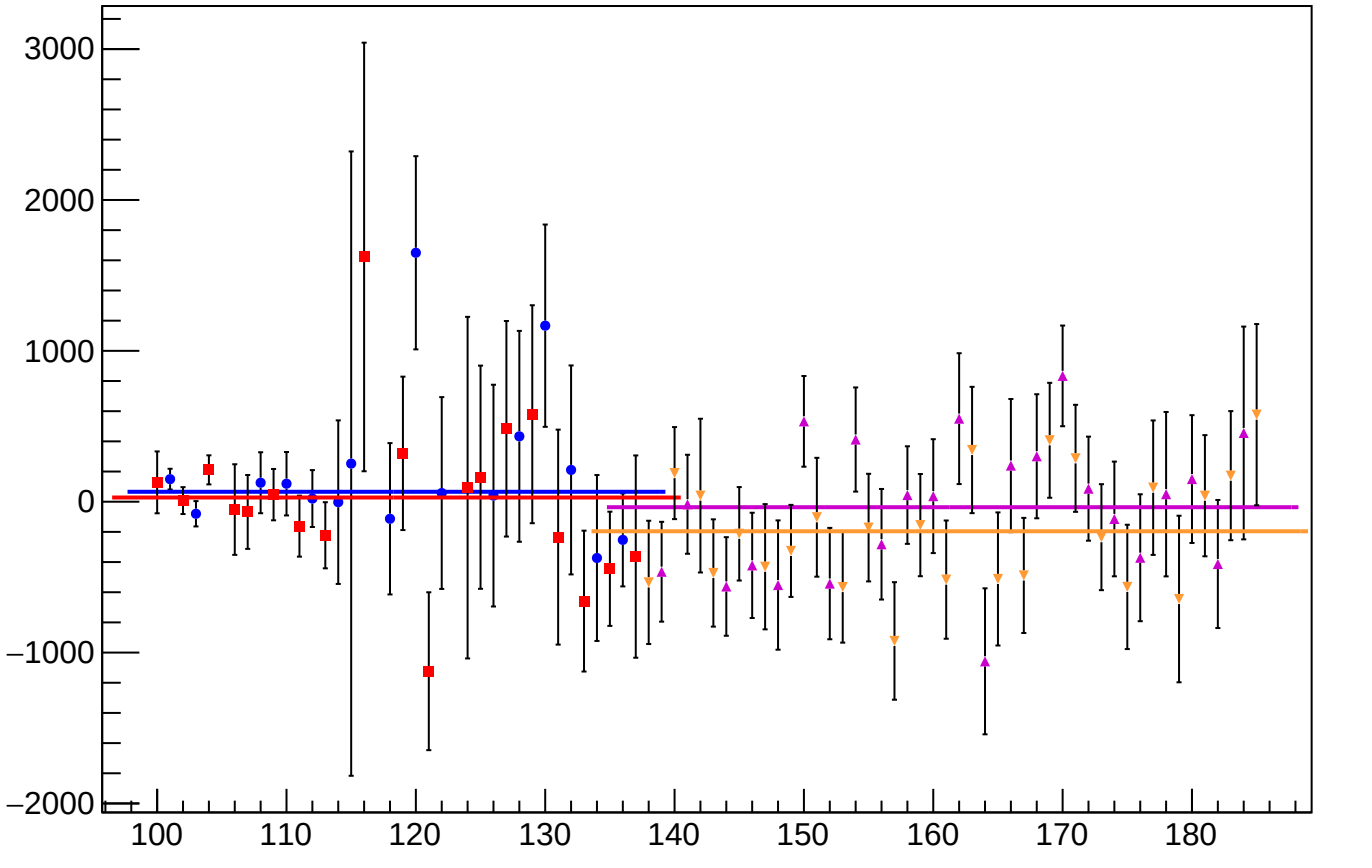
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.161+/-0.008 χ^2/NDF: 1172642.3/40

All: 60.024+/-0.006 χ^2/NDF: 2437197.1/82

- sign 59.883+/-0.008 χ^2/NDF: 1264008.2/41



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

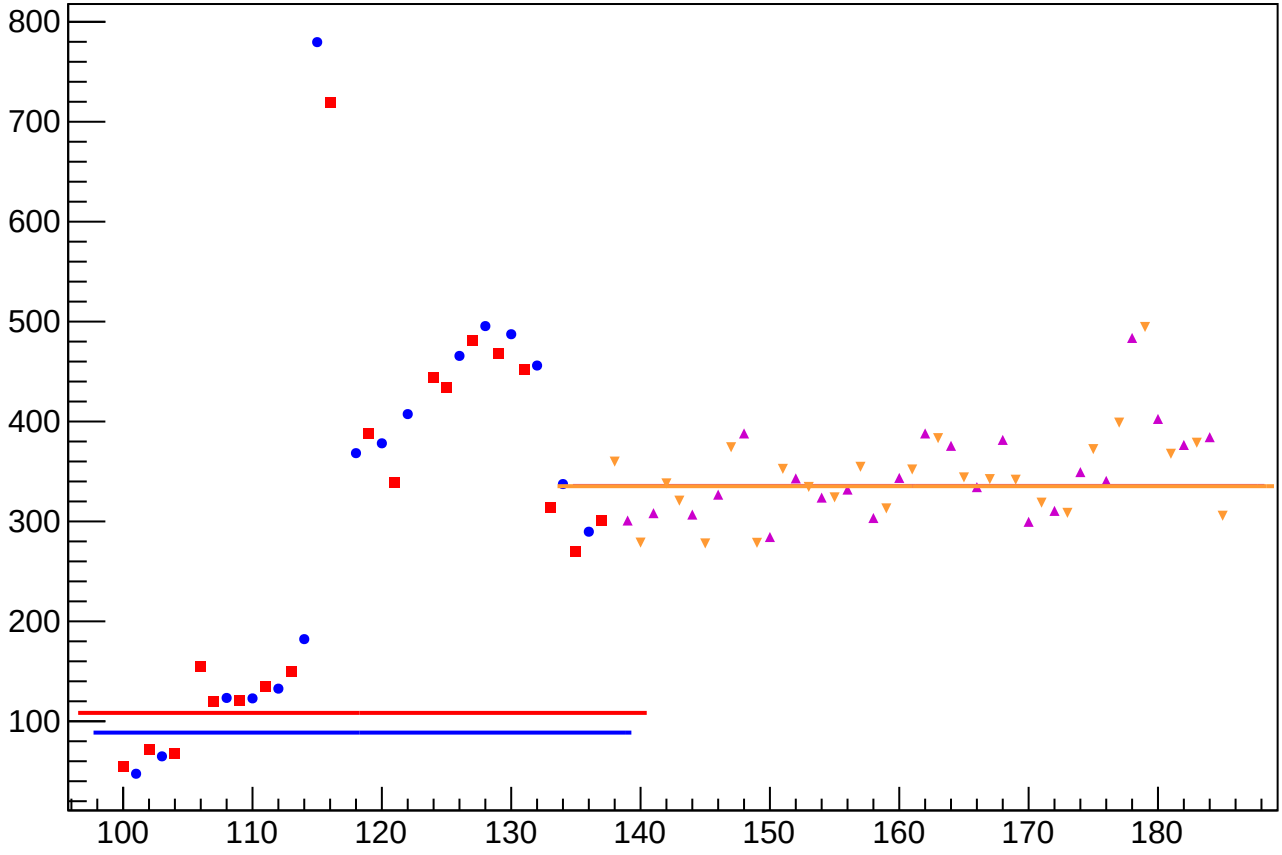
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -3.944+/-39.803 χ^2/NDF: 44.8/40

All: 2.292+/-29.038 χ^2/NDF: 94.4/82

- 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: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

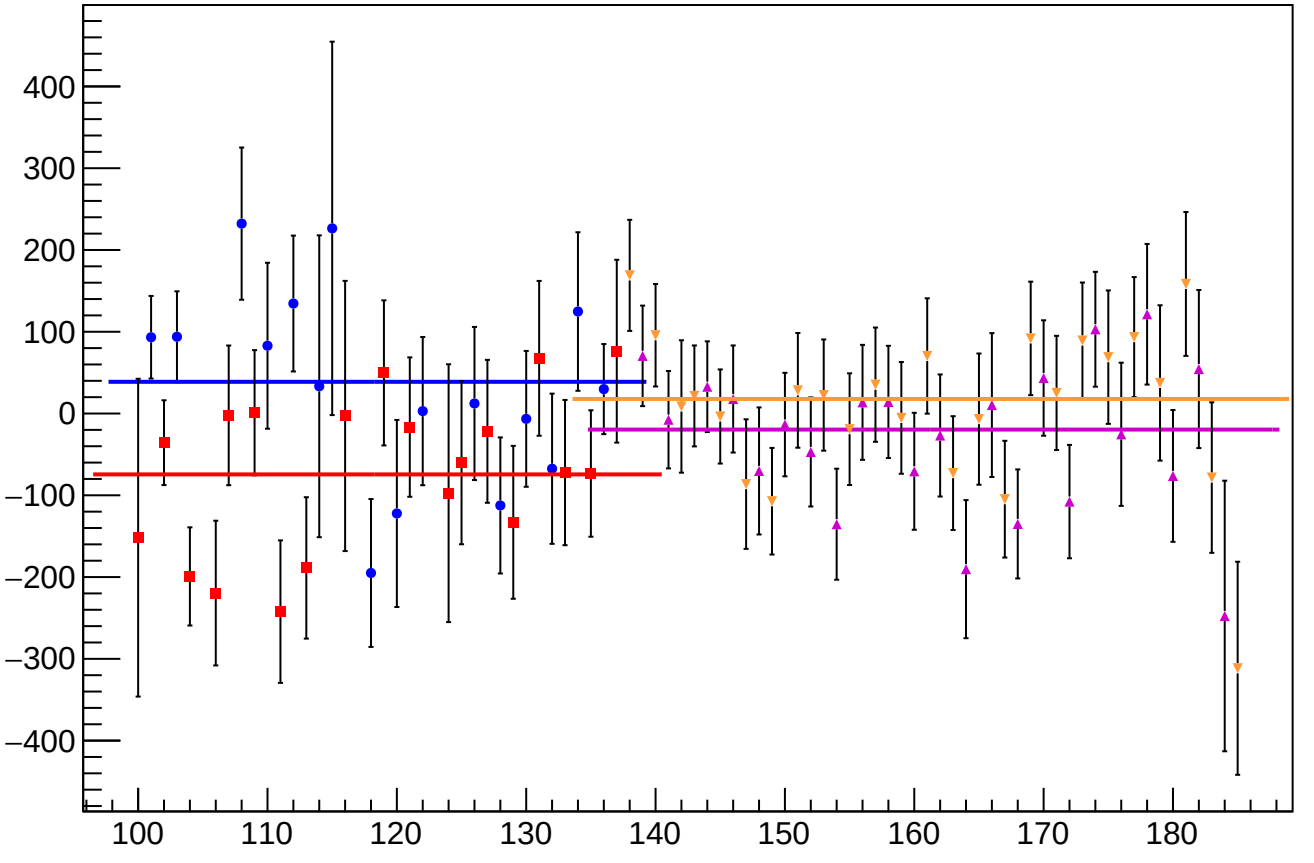
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 154.406+/-0.028 χ^2/NDF: 22223424.3/40

All: 163.404+/-0.021 χ^2/NDF: 40021068.6/82

- 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: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

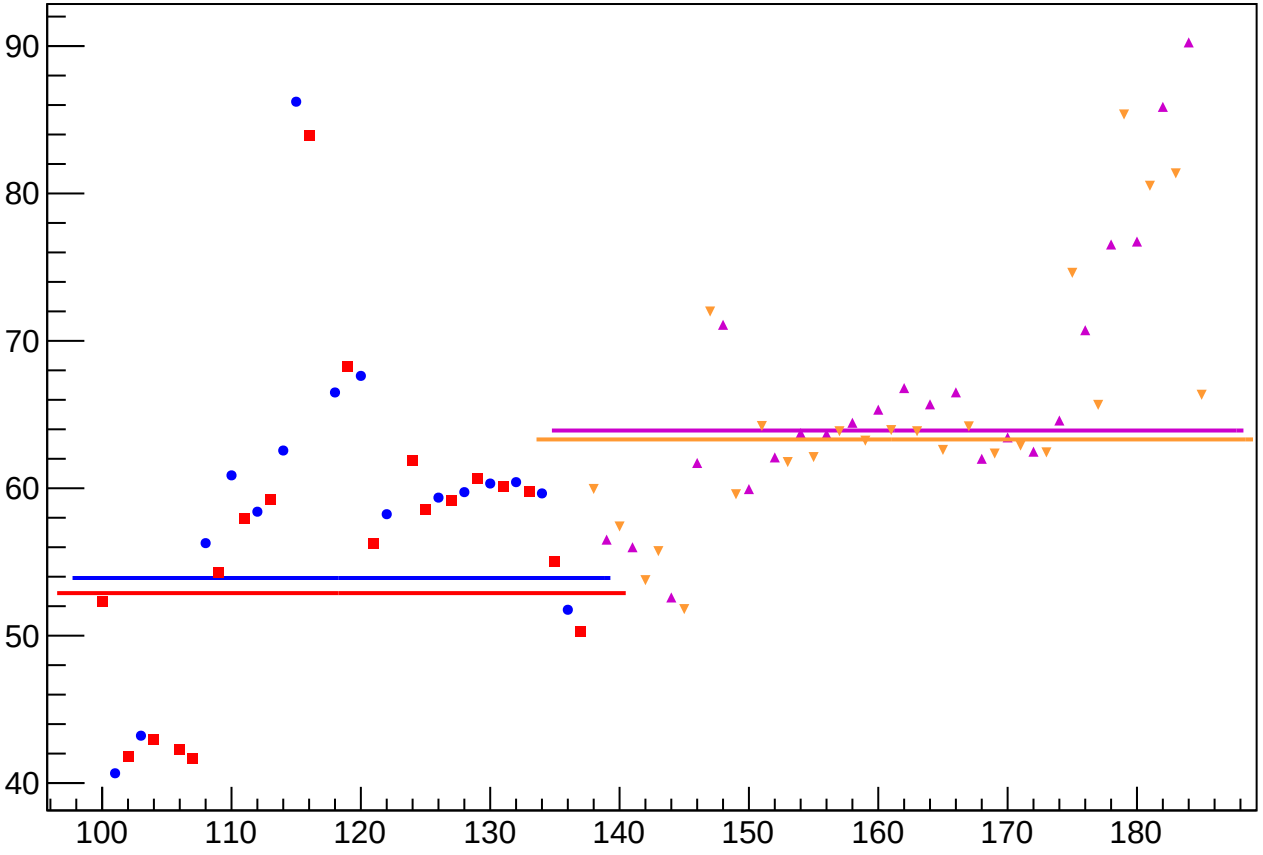
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.840+/-11.819 χ^2/NDF: 55.6/40

All: -6.994+/-8.413 χ^2/NDF: 123.7/82

- sign -39.688+/-11.977 χ^2/NDF: 53.4/41

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

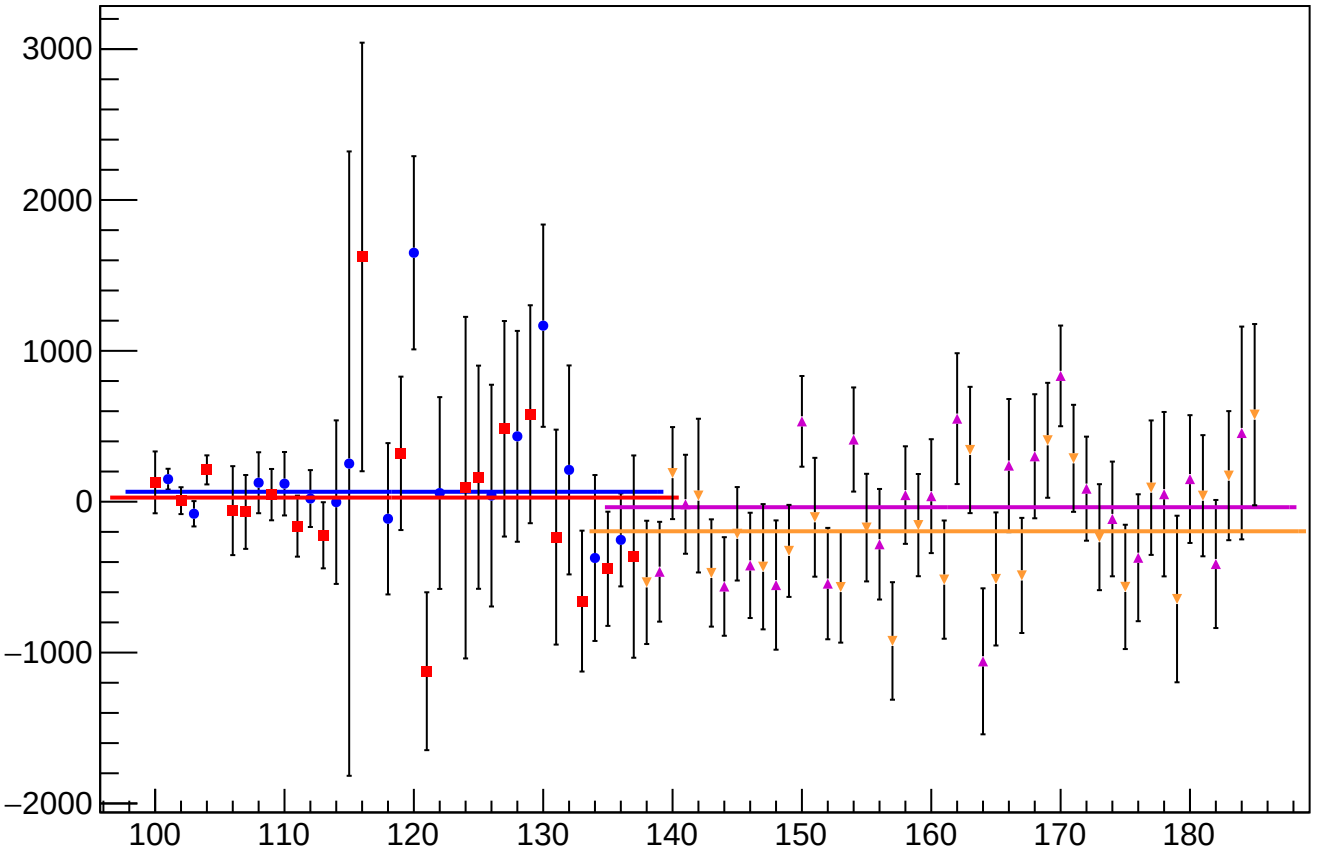
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.161+/-0.008 χ^2/NDF: 1172641.3/40

All: 60.024+/-0.006 χ^2/NDF: 2437630.4/82

- 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: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

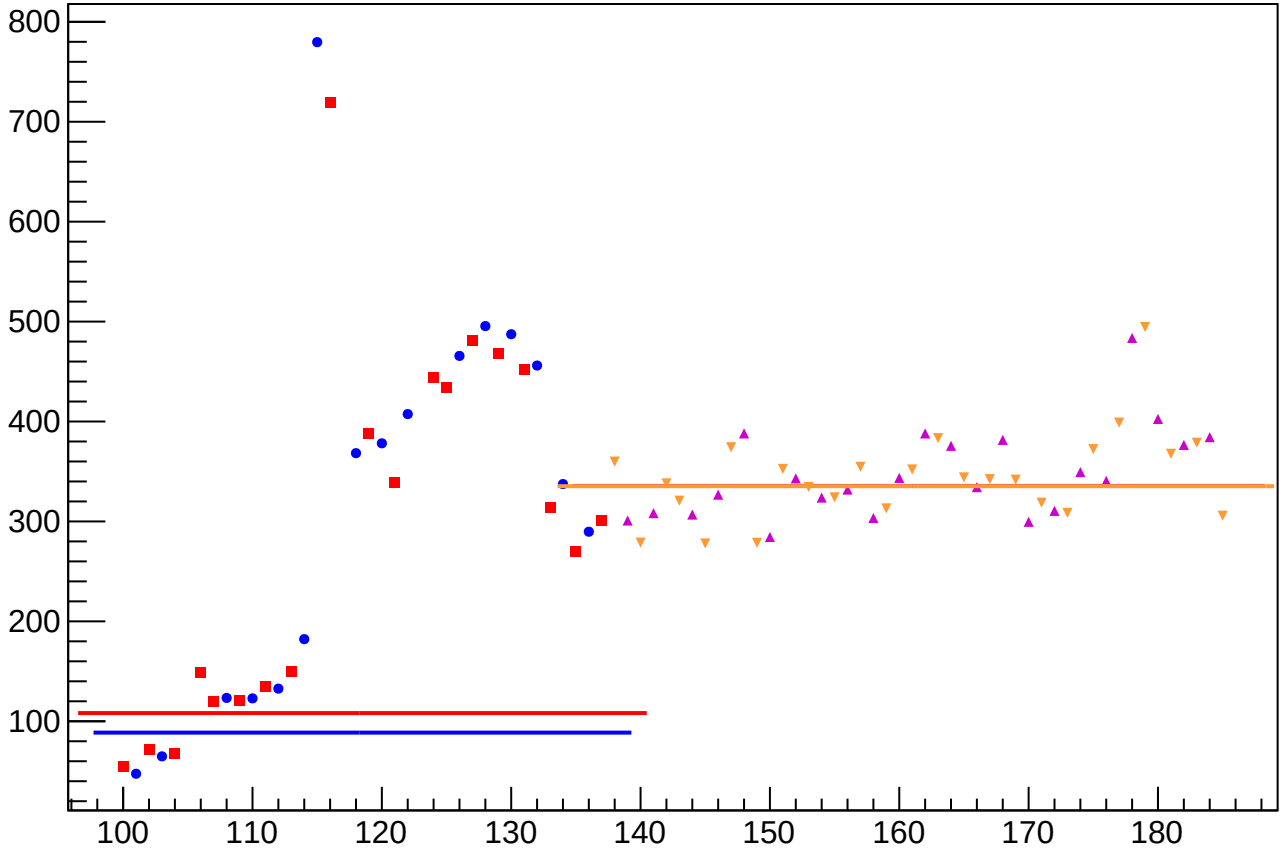
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -3.938+/-39.803 χ^2/NDF: 44.8/40

All: 2.162+/-29.030 χ^2/NDF: 94.4/82

- 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: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

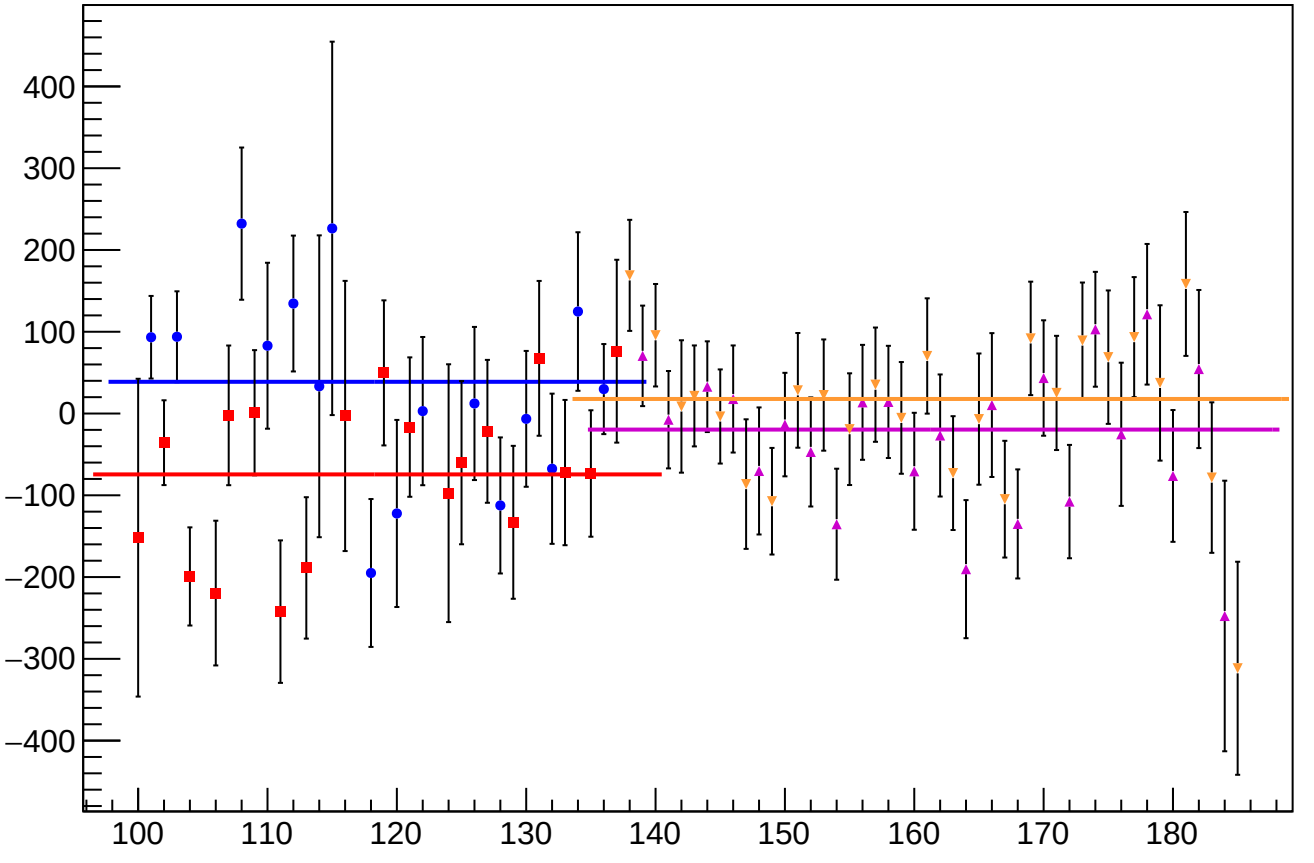
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 154.402+/-0.028 χ^2/NDF: 22223993.1/40

All: 163.311+/-0.021 χ^2/NDF: 40033395.4/82

- 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: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

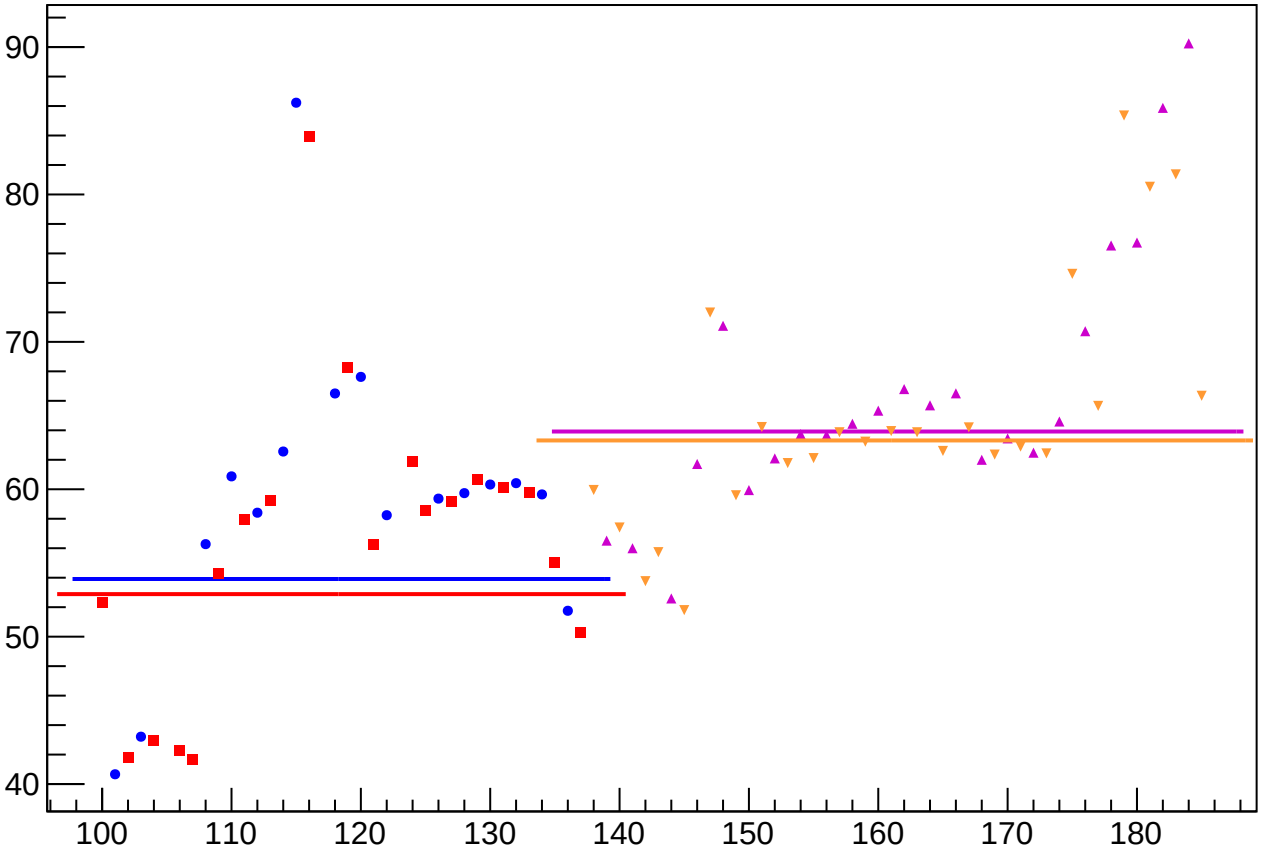
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.840+/-11.819 χ^2/NDF: 55.6/40

All: -6.994+/-8.413 χ^2/NDF: 123.7/82

- 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: 63.312+/-0.010 χ^2/NDF:497429.6/24

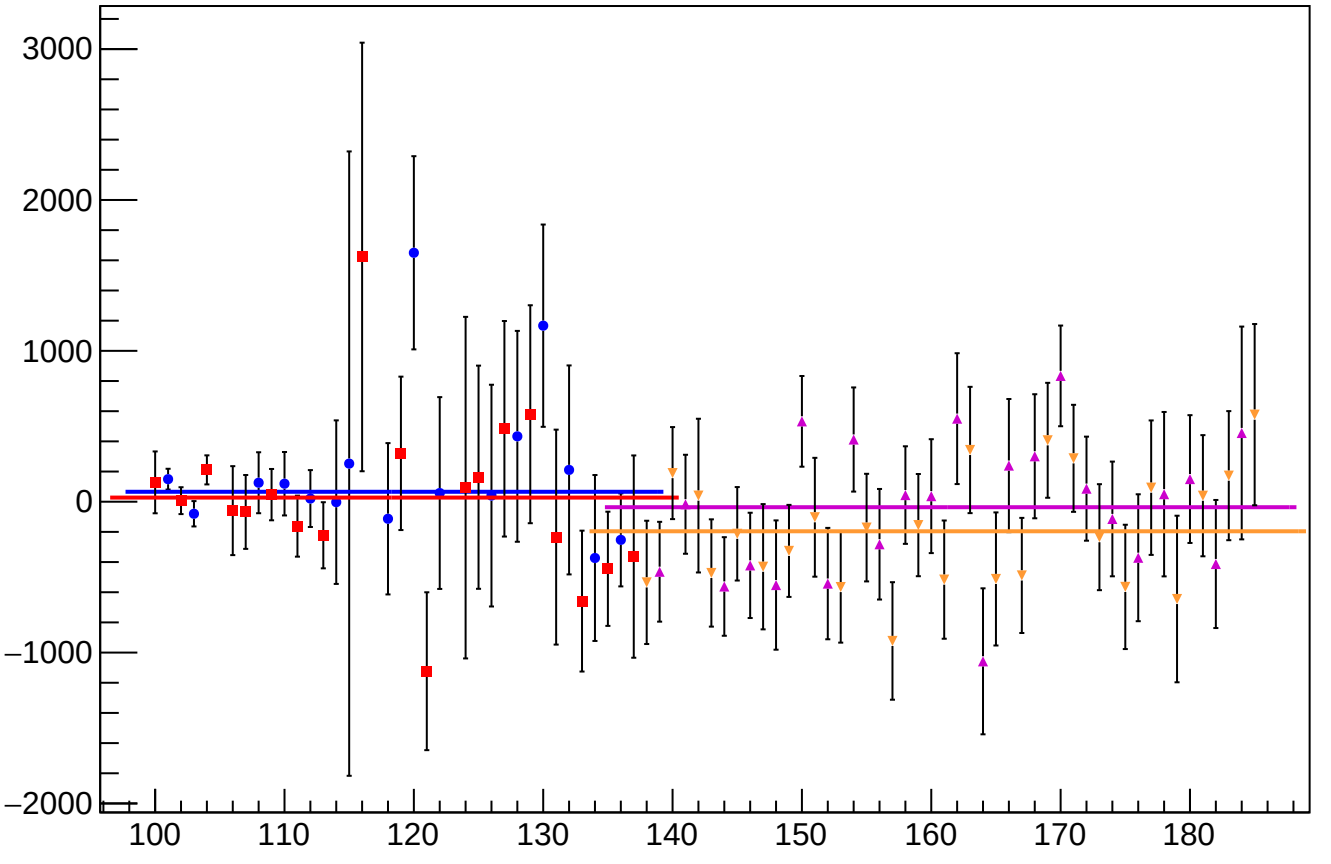
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.161+/-0.008 χ^2/NDF: 1172641.3/40

All: 60.024+/-0.006 χ^2/NDF: 2437630.4/82

- 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: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

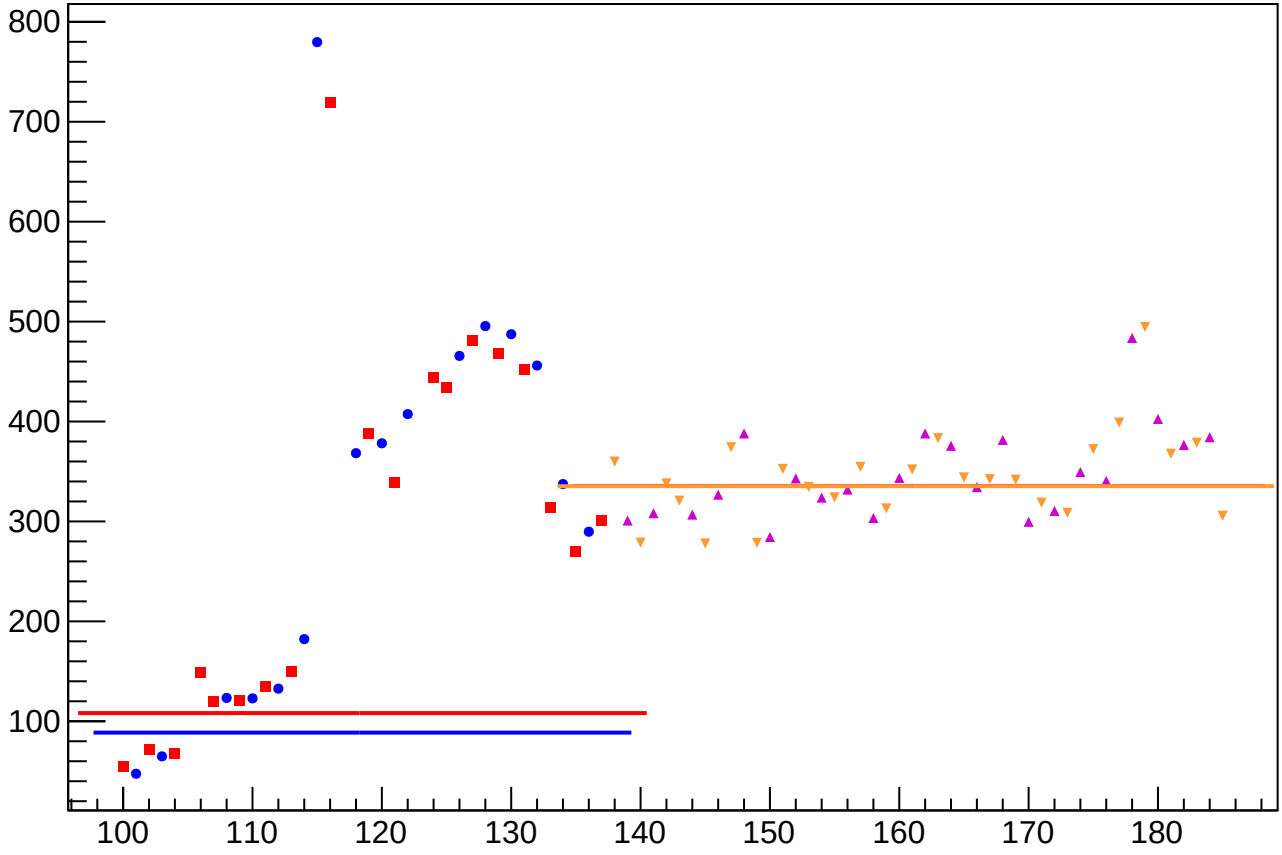
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -3.938+/-39.803 χ^2/NDF: 44.8/40

All: 2.162+/-29.030 χ^2/NDF: 94.4/82

- 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: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

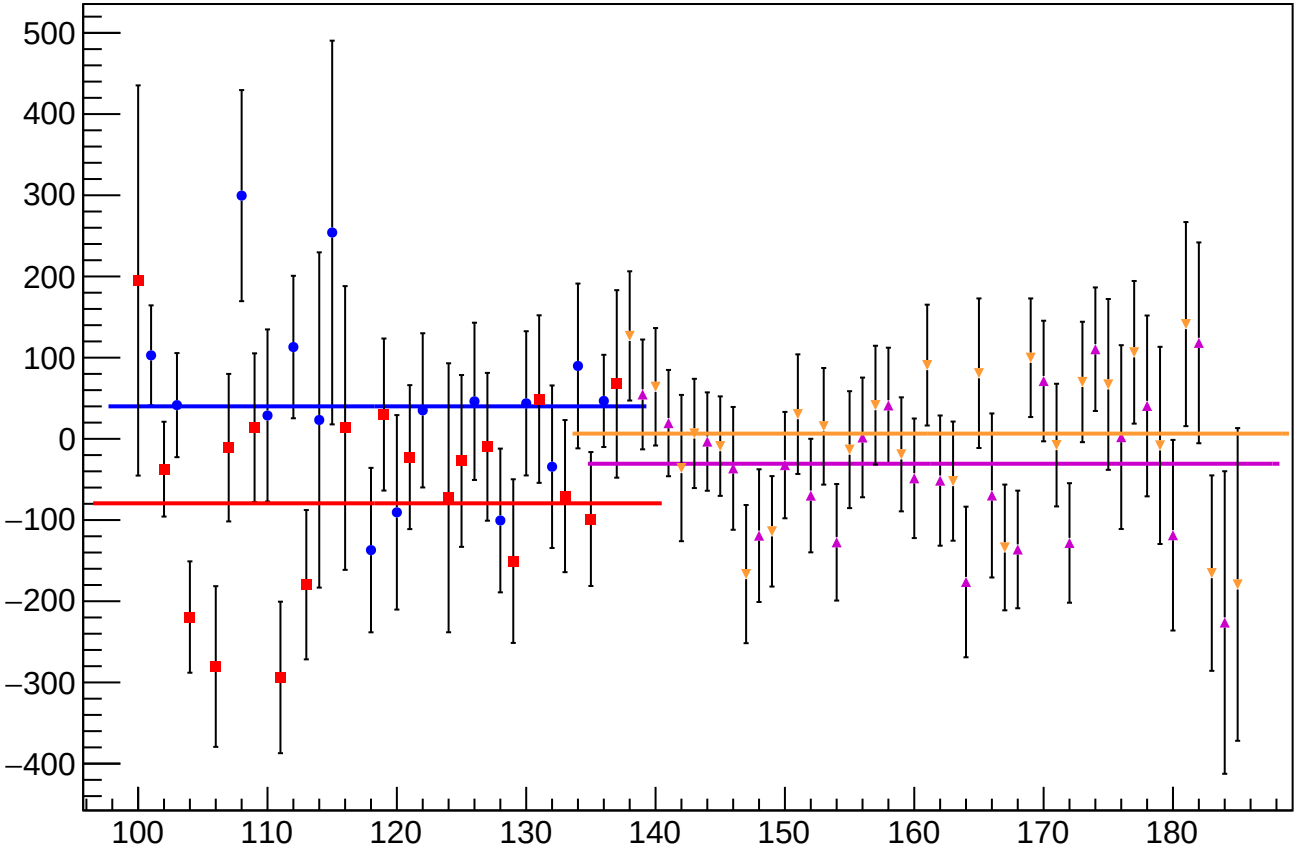
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 154.402+/-0.028 χ^2/NDF: 22223993.1/40

All: 163.311+/-0.021 χ^2/NDF: 40033395.4/82

- 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: 6.469+/-15.977 χ^2/NDF:25.1/24

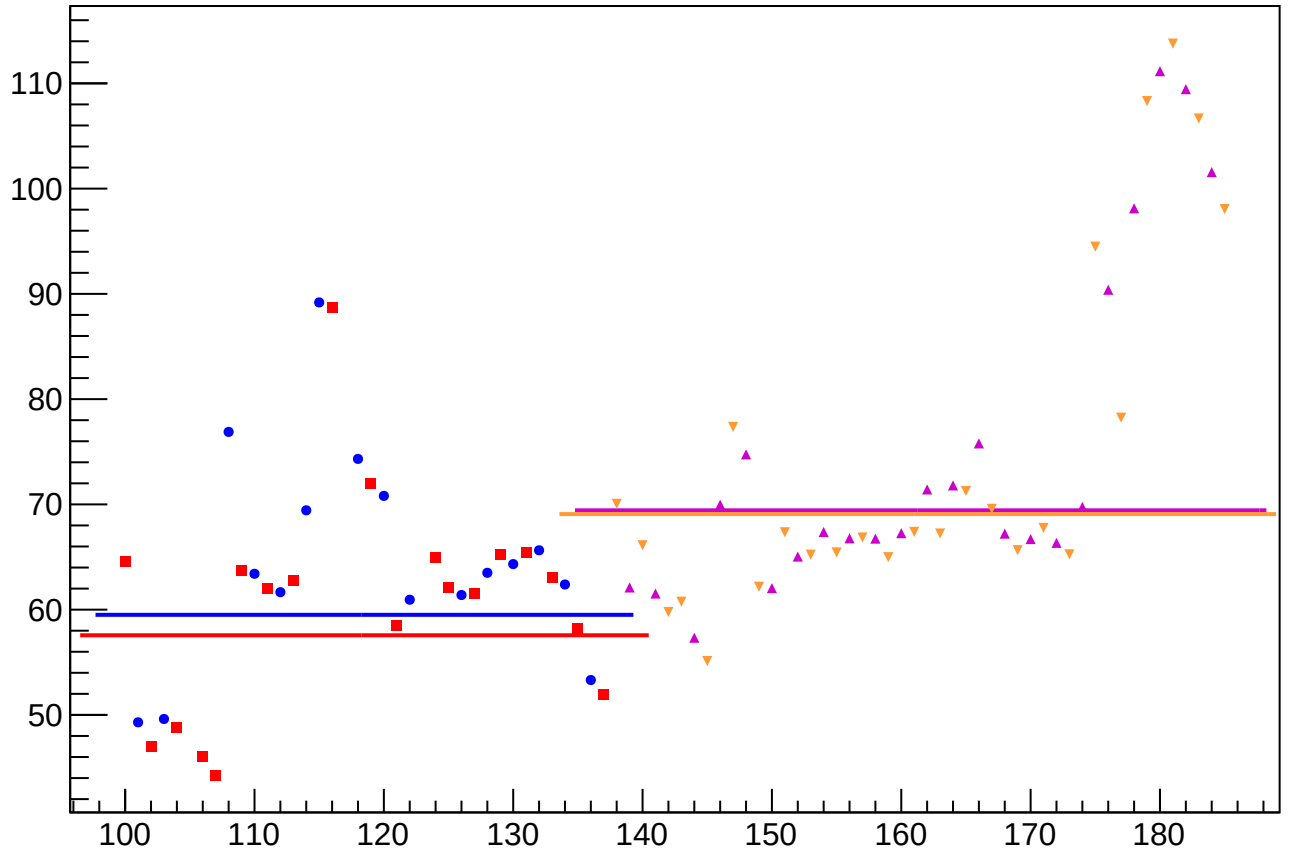
Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.710+/-13.030 χ^2/NDF: 40.7/40

All: -15.267+/-9.241 χ^2/NDF: 104.1/82

- sign -48.642+/-13.108 χ^2/NDF: 50.5/41



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

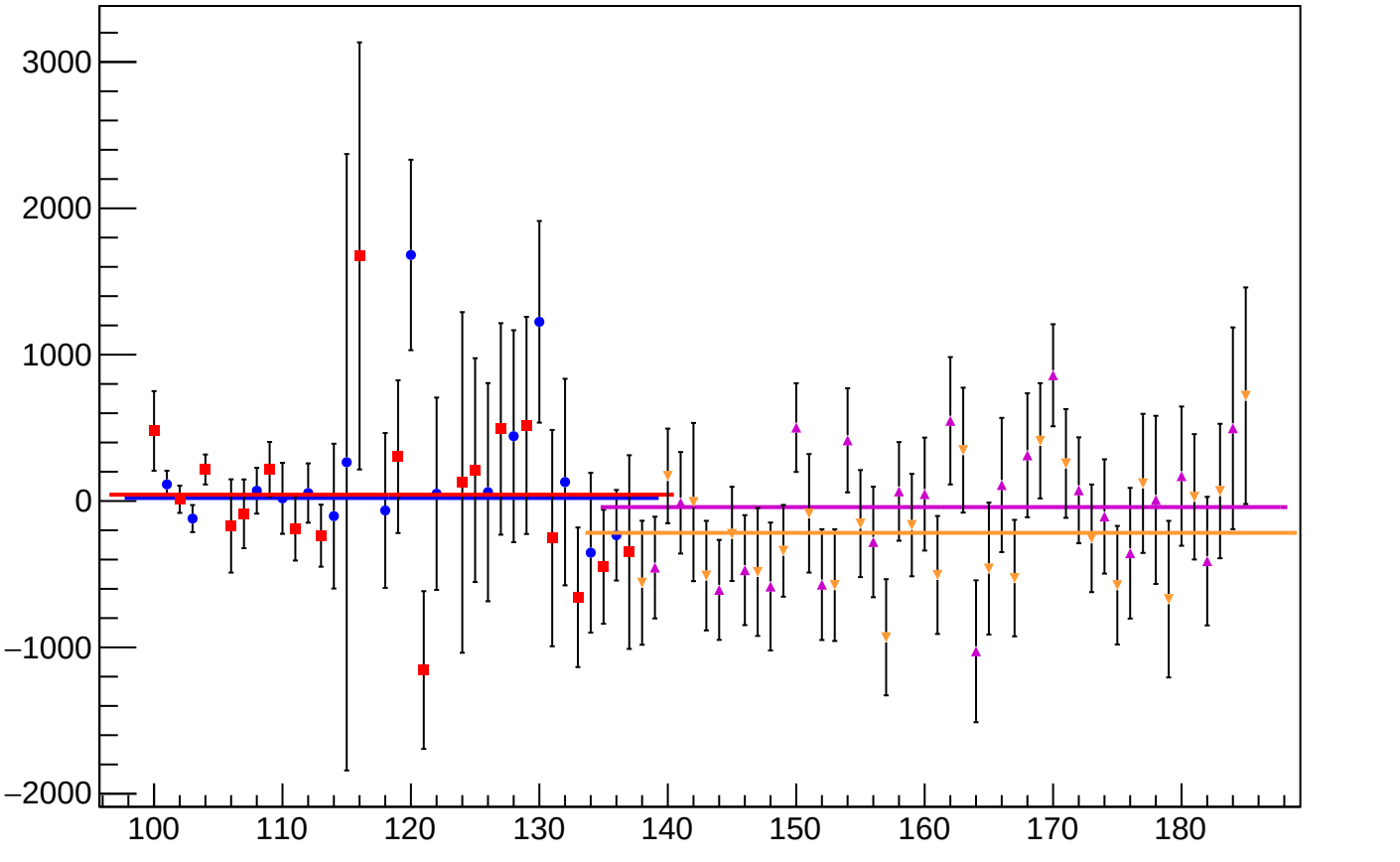
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 65.873+/-0.009 χ^2/NDF: 1597505.7/40

All: 65.467+/-0.007 χ^2/NDF: 3255248.4/82

- sign 65.055+/-0.009 χ^2/NDF: 1653826.8/41



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

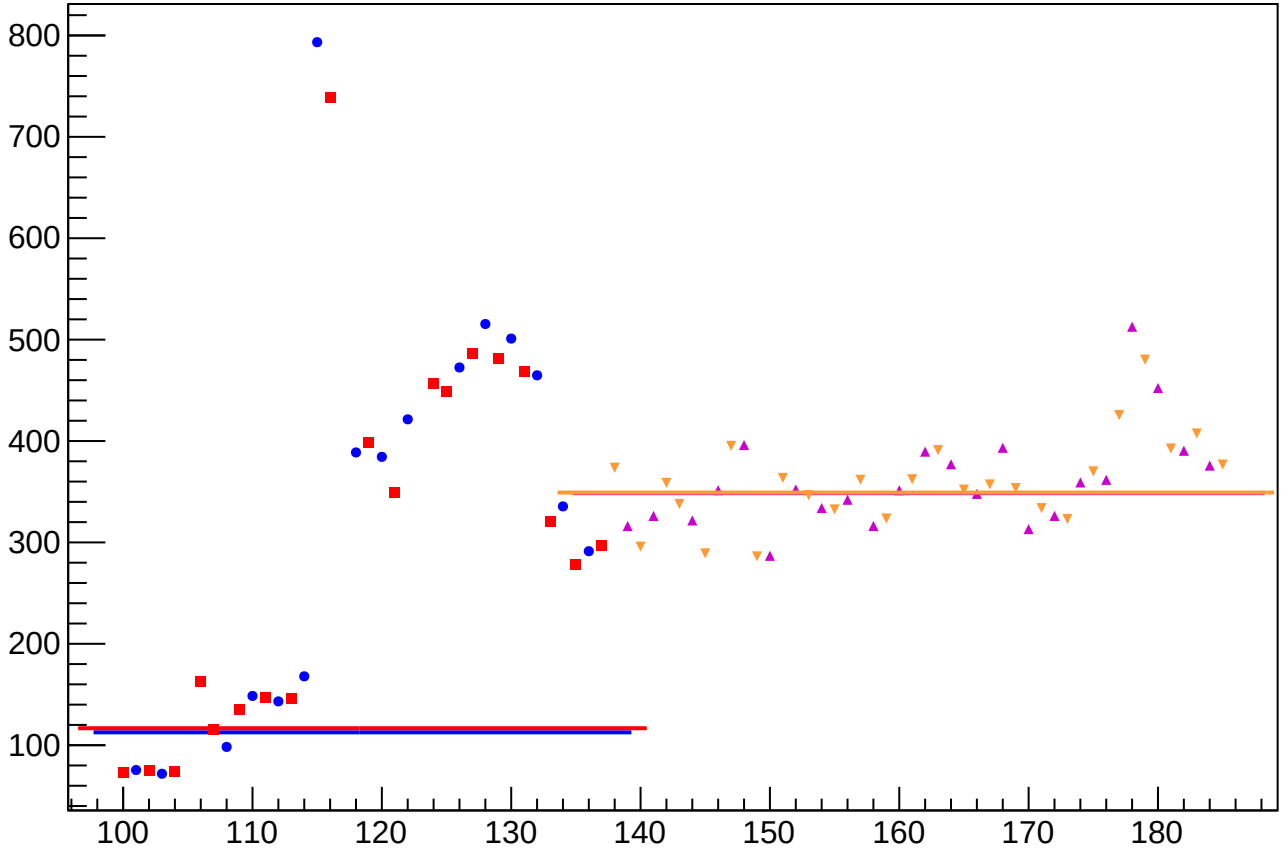
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -52.758+/-44.544 χ^2/NDF: 40.0/40

All: -17.359+/-31.544 χ^2/NDF: 93.6/82

- 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: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

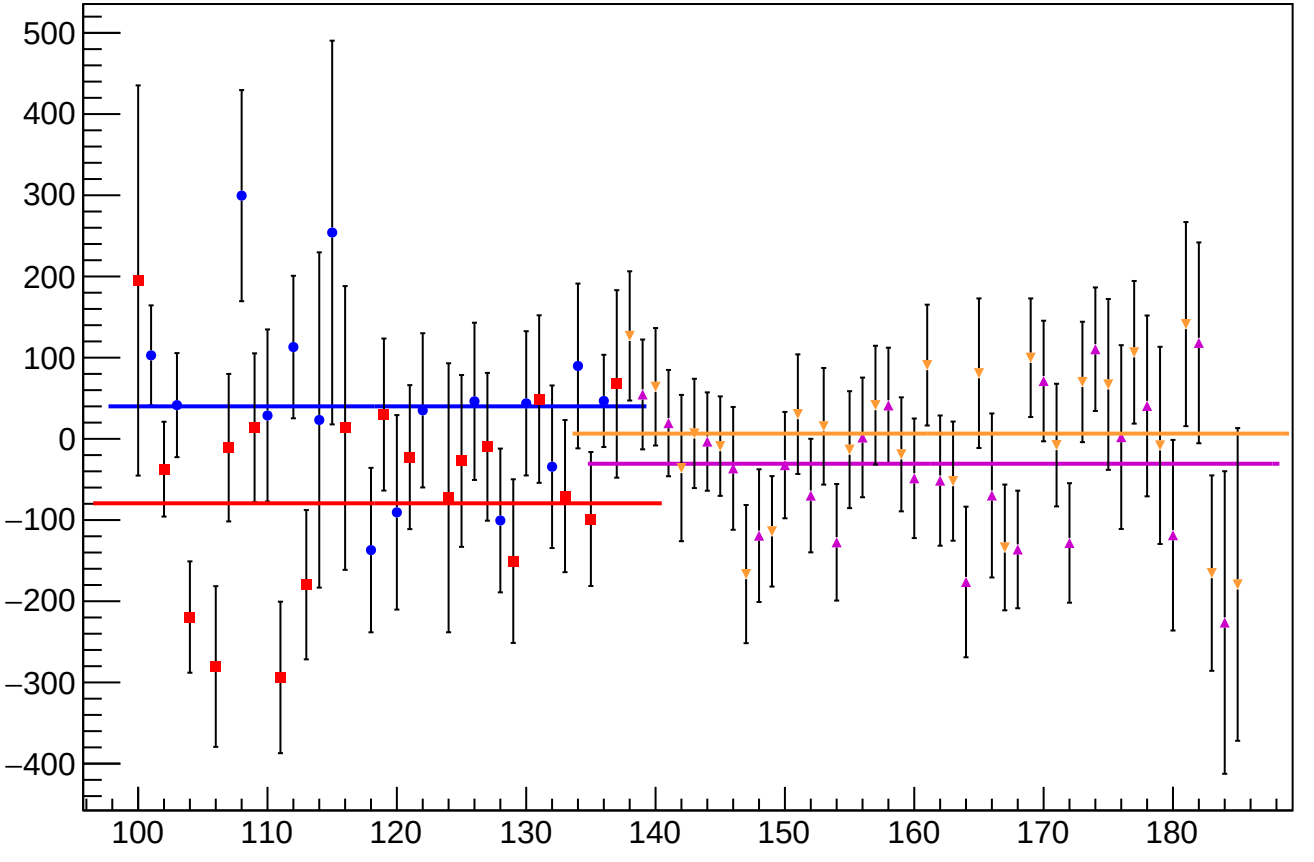
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 185.747+/-0.031 χ^2/NDF: 18162486.4/40

All: 185.437+/-0.022 χ^2/NDF: 35029465.6/82

- 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: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

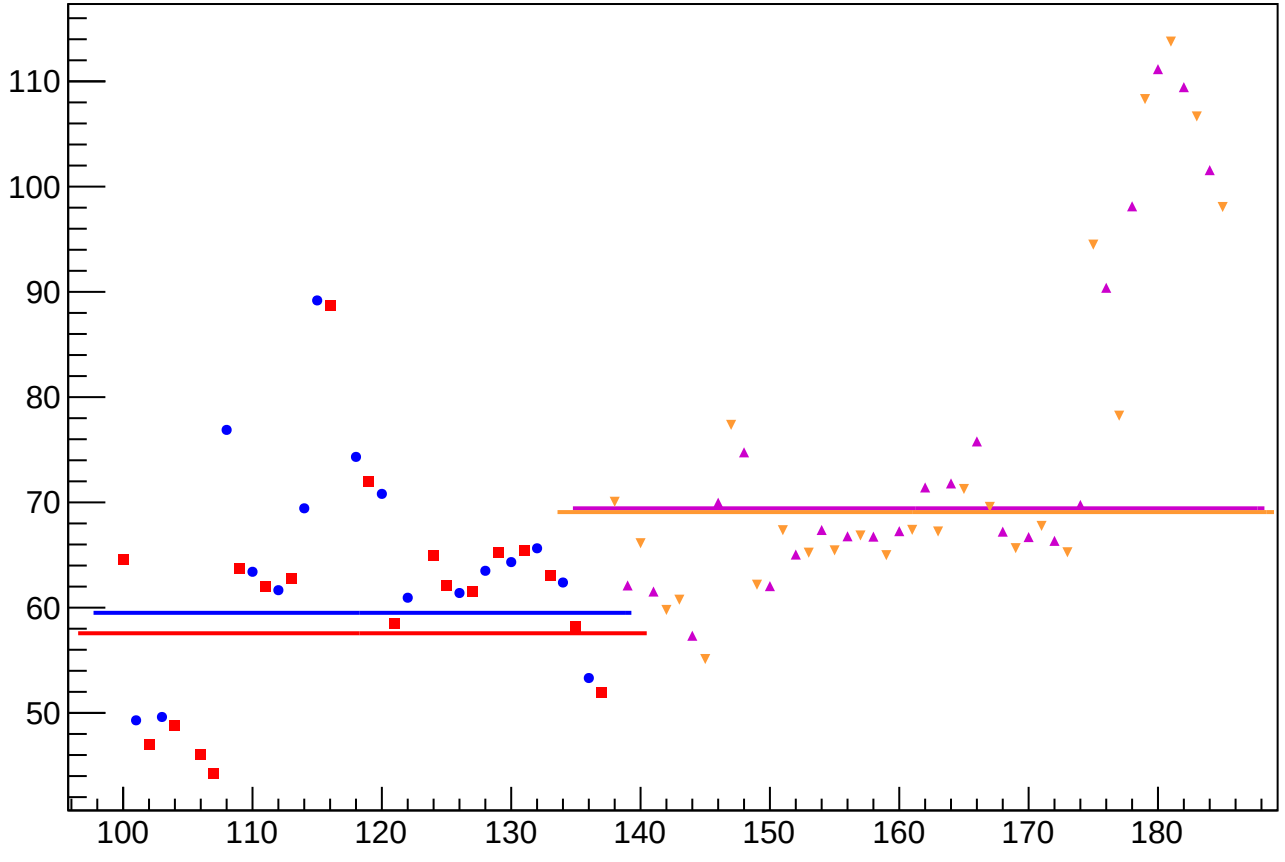
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.710+/-13.030 χ^2/NDF: 40.7/40

All: -15.266+/-9.241 χ^2/NDF: 104.1/82

- 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: 69.079+/-0.011 χ^2/NDF:1073983.7/24

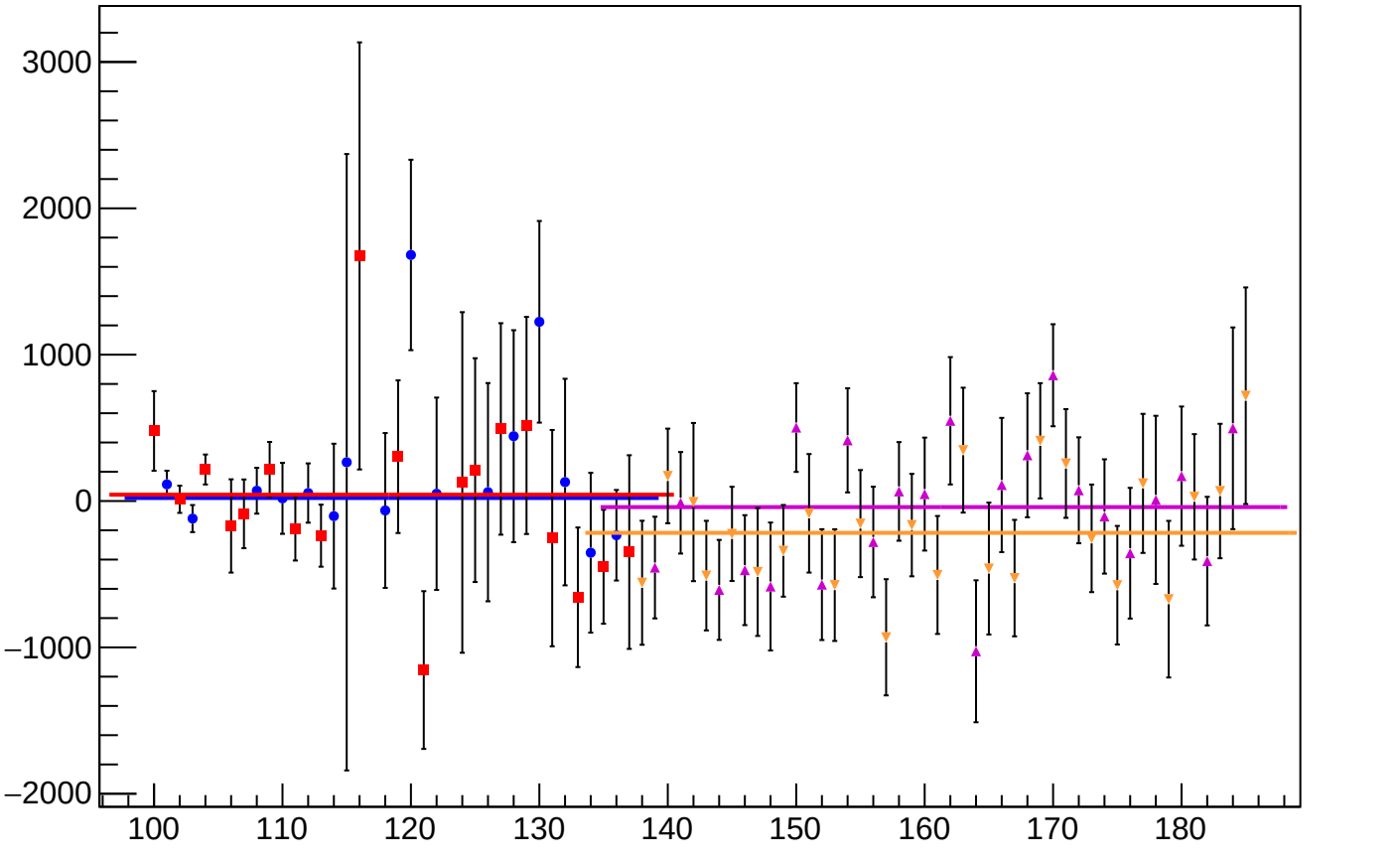
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 65.873+/-0.009 χ^2/NDF: 1597494.3/40

All: 65.467+/-0.007 χ^2/NDF: 3255231.5/82

- 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: -217.348+/-80.133 χ^2/NDF:19.3/24

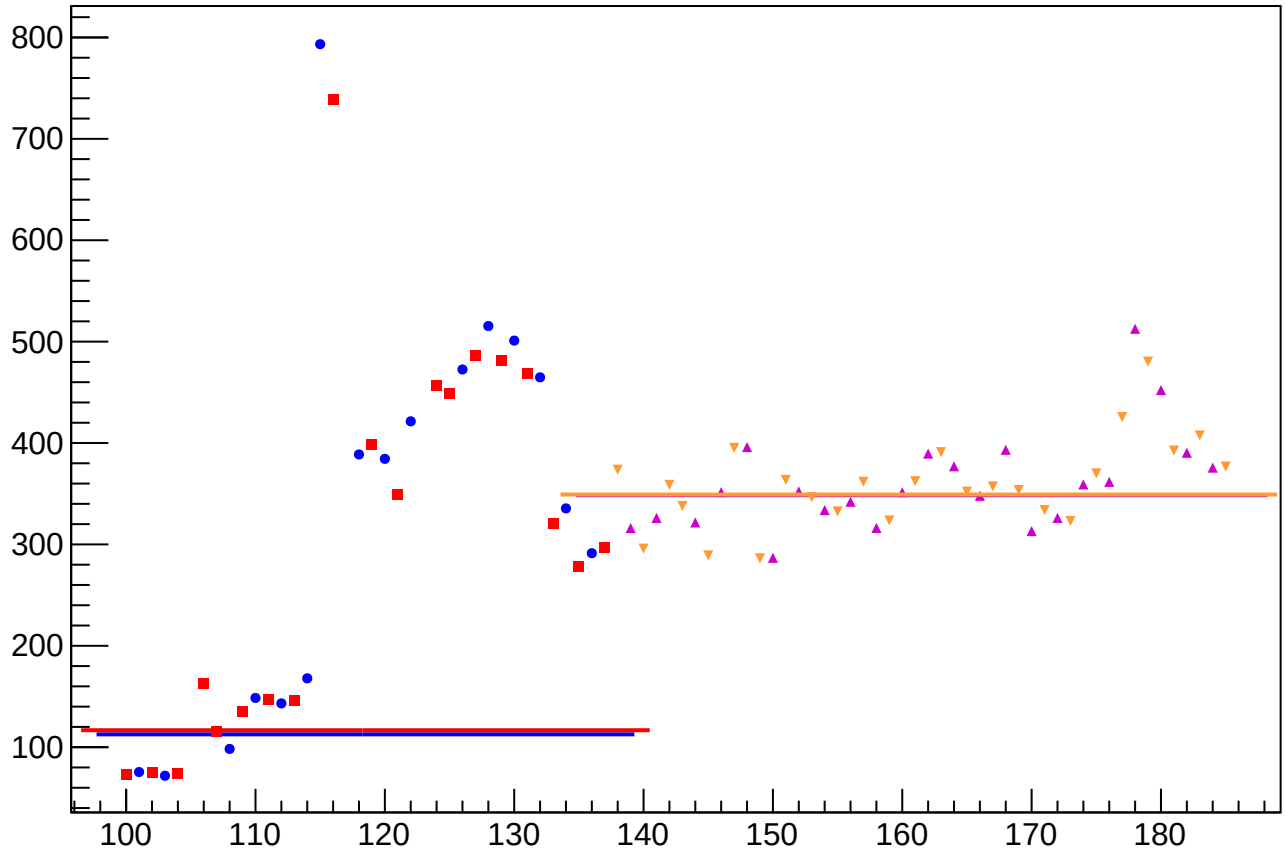
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -52.758+/-44.544 χ^2/NDF: 40.0/40

All: -17.359+/-31.544 χ^2/NDF: 93.6/82

- 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: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

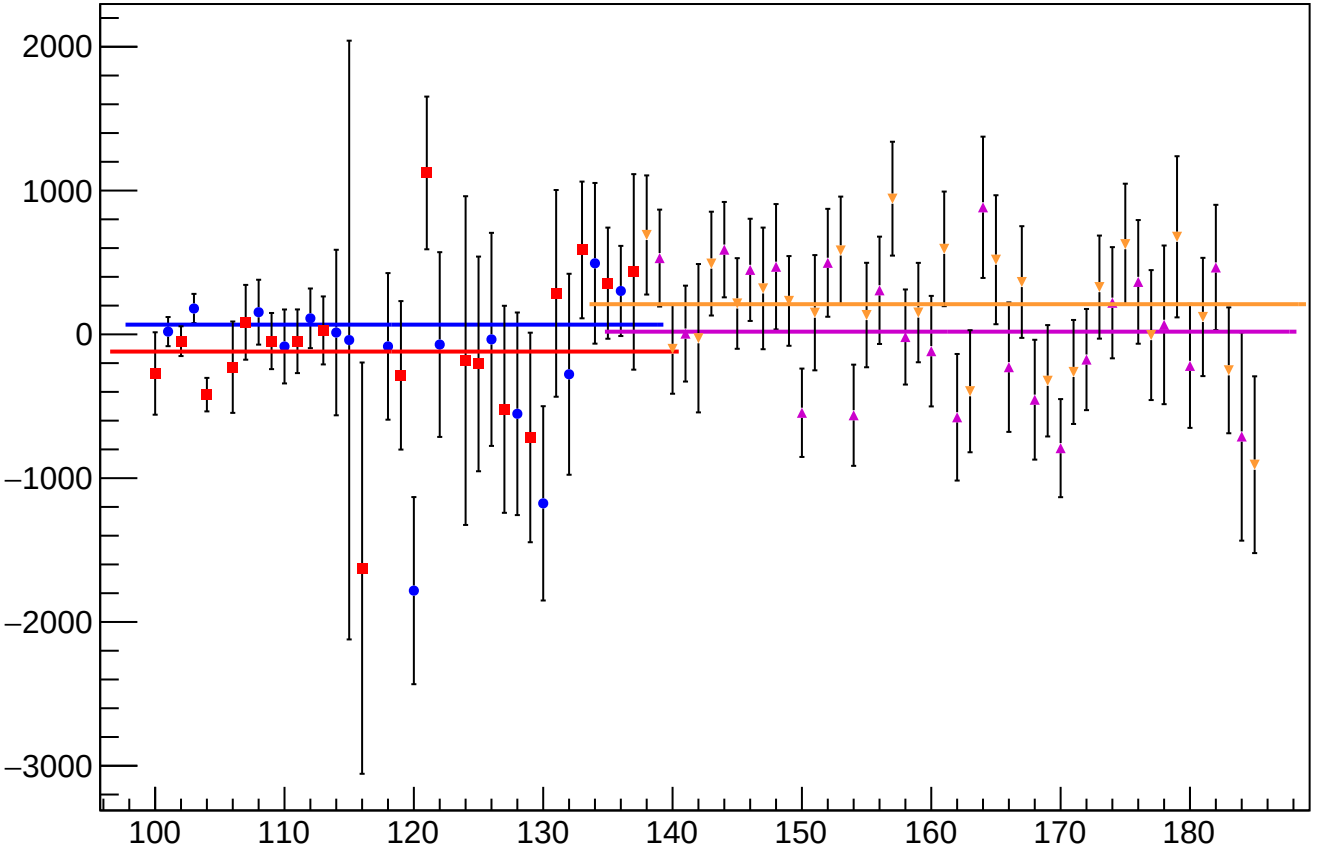
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 185.747+/-0.031 χ^2/NDF: 18162544.3/40

All: 185.436+/-0.022 χ^2/NDF: 35029603.1/82

- 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: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

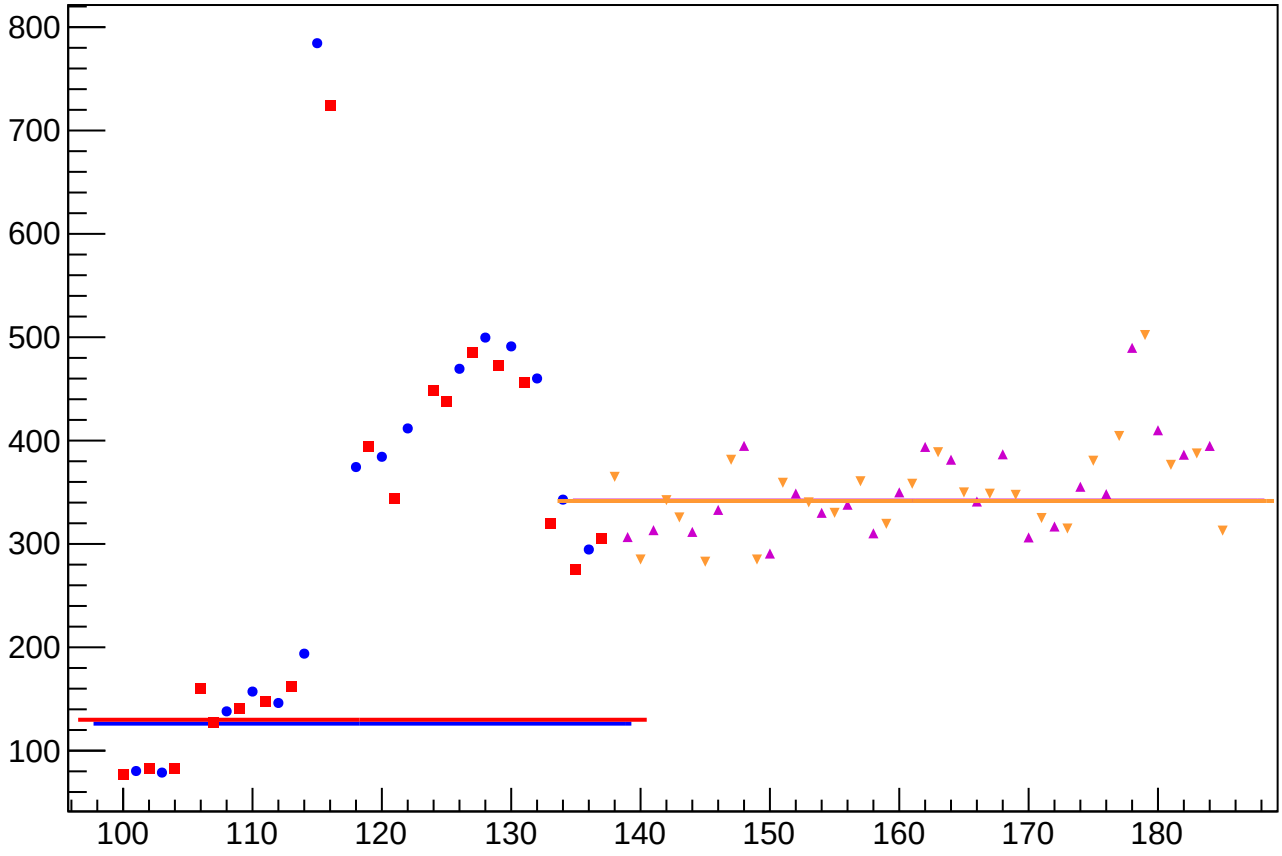
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

\+ sign 119.130+/-47.253 χ^2/NDF: 39.3/40

All: 22.903+/-33.346 χ^2/NDF: 102.6/82

\- 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: 341.585+/-0.056 χ^2/NDF:554287.8/24

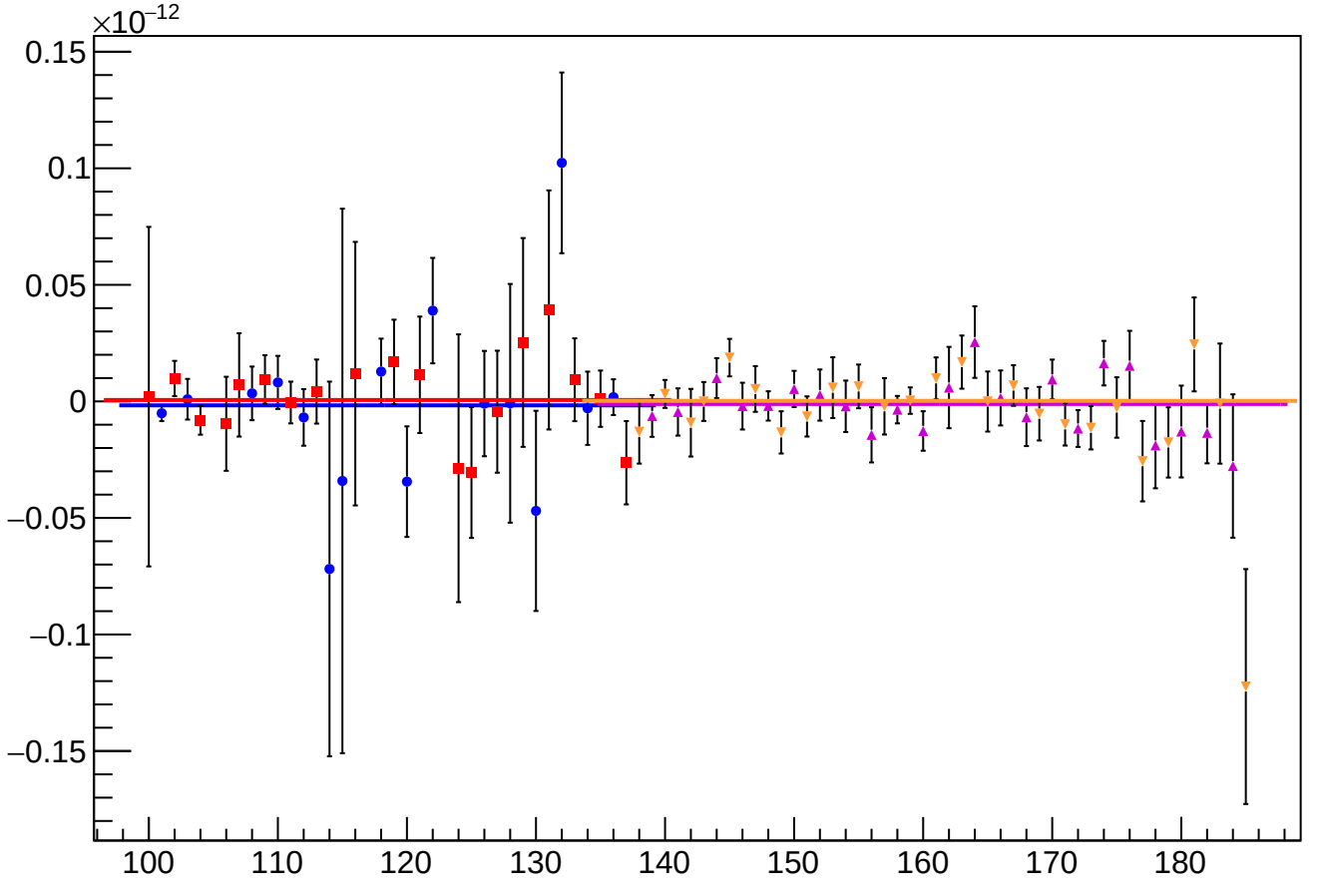
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 204.190+/-0.033 χ^2/NDF: 15378227.5/40

All: 203.109+/-0.024 χ^2/NDF: 29623540.5/82

- 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:28.6/24

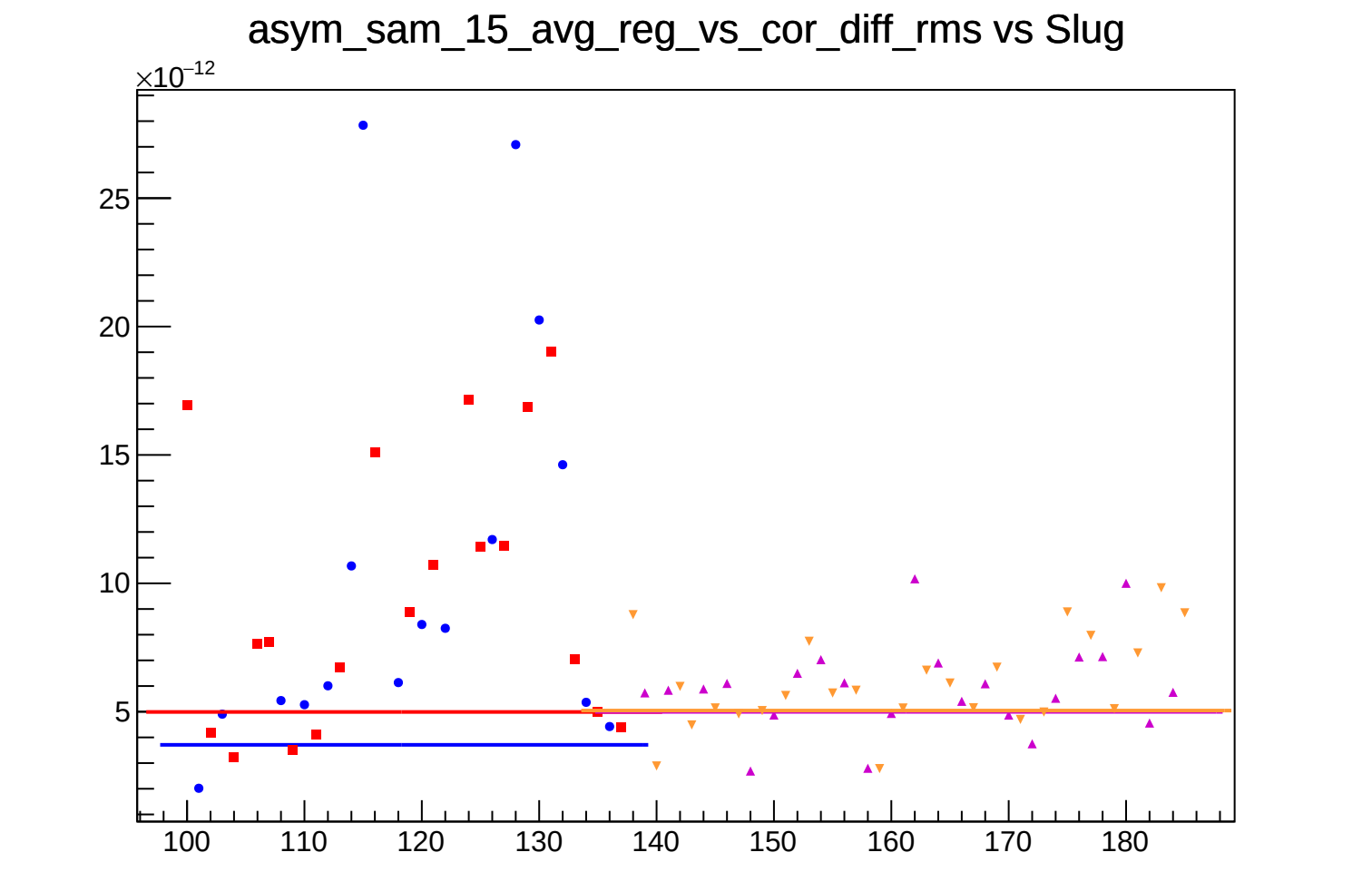
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

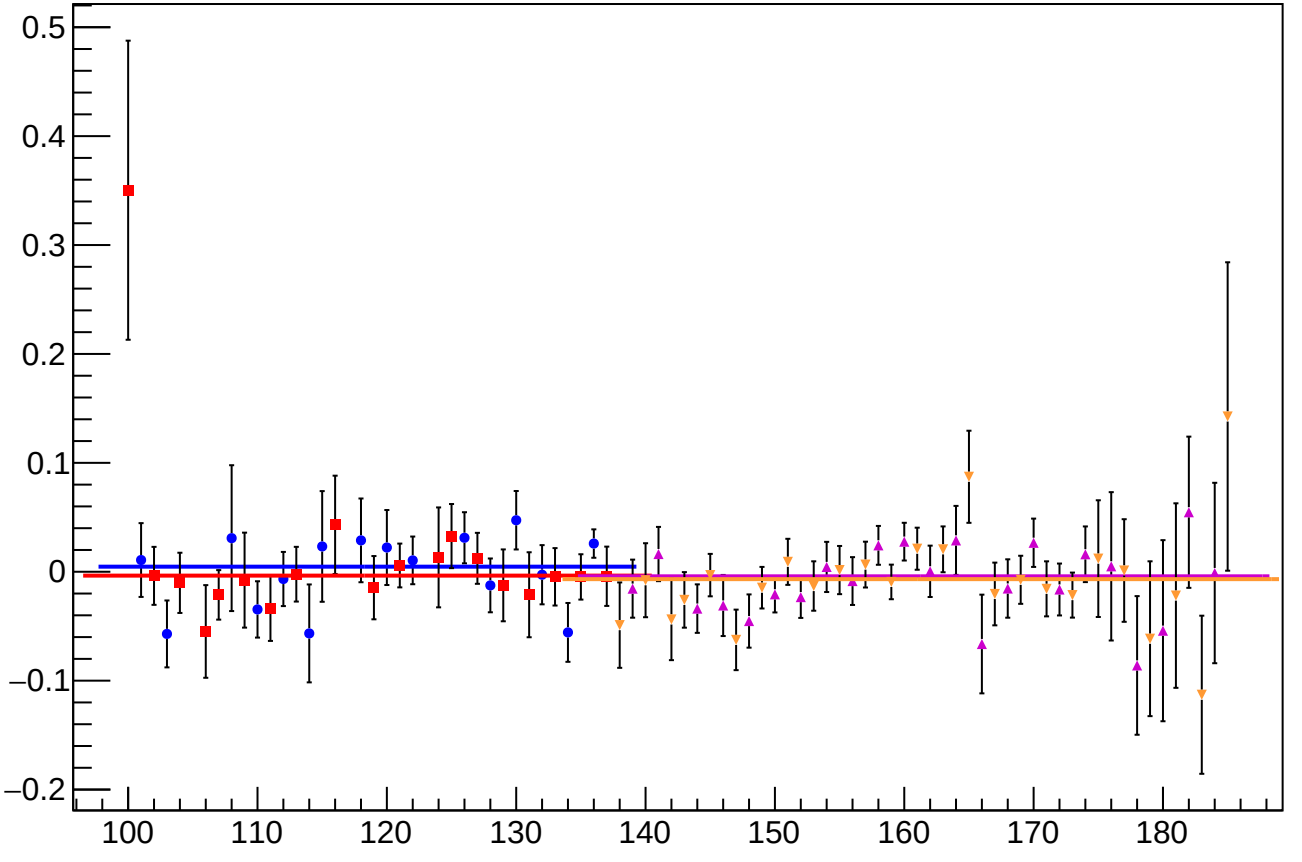
+ sign -0.000+/-0.000 χ^2/NDF: 46.7/40

All: -0.000+/-0.000 χ^2/NDF: 77.9/82

- sign -0.000+/-0.000 χ^2/NDF: 31.2/41


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1294137.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1225248.2/22
+ sign 0.000+/-0.000 χ²/NDF: 3807764.4/40
All: 0.000+/-0.000 χ²/NDF: 6406924.1/82
- sign 0.000+/-0.000 χ²/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:21.8/24

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

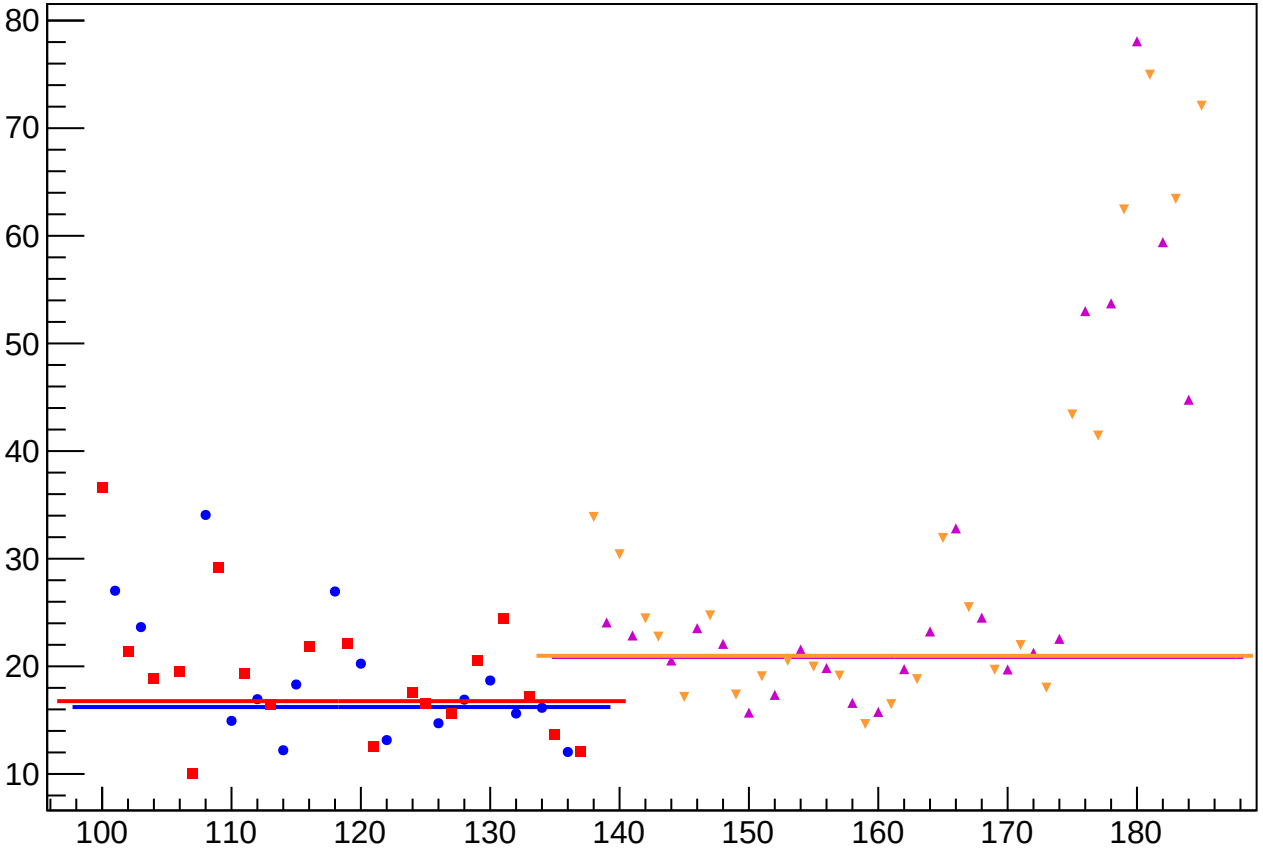
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/40

All: -0.003+/-0.003 χ^2/NDF: 82.0/82

- 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: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

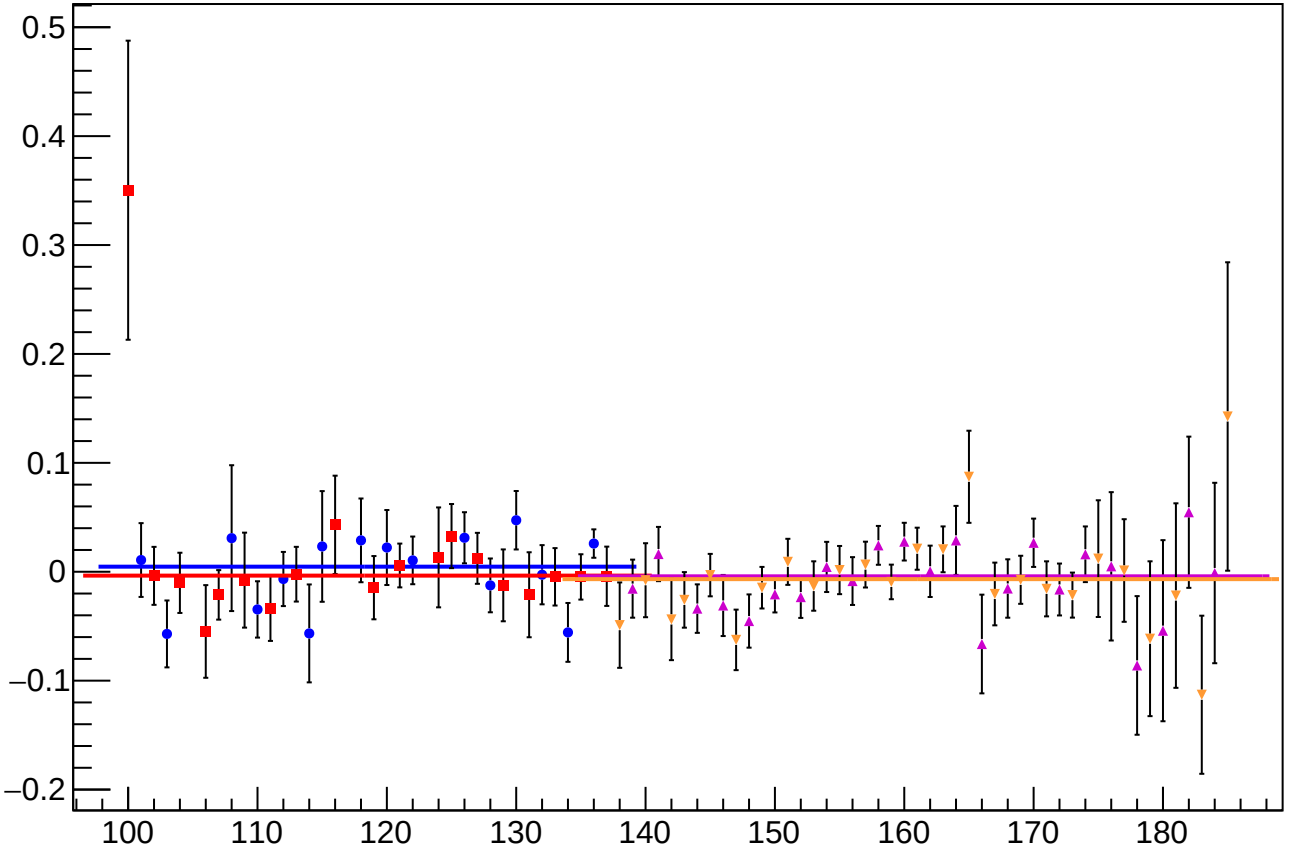
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.143+/-0.003 χ^2/NDF: 6057784.6/40

All: 19.206+/-0.002 χ^2/NDF: 10928285.2/82

- 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:21.8/24

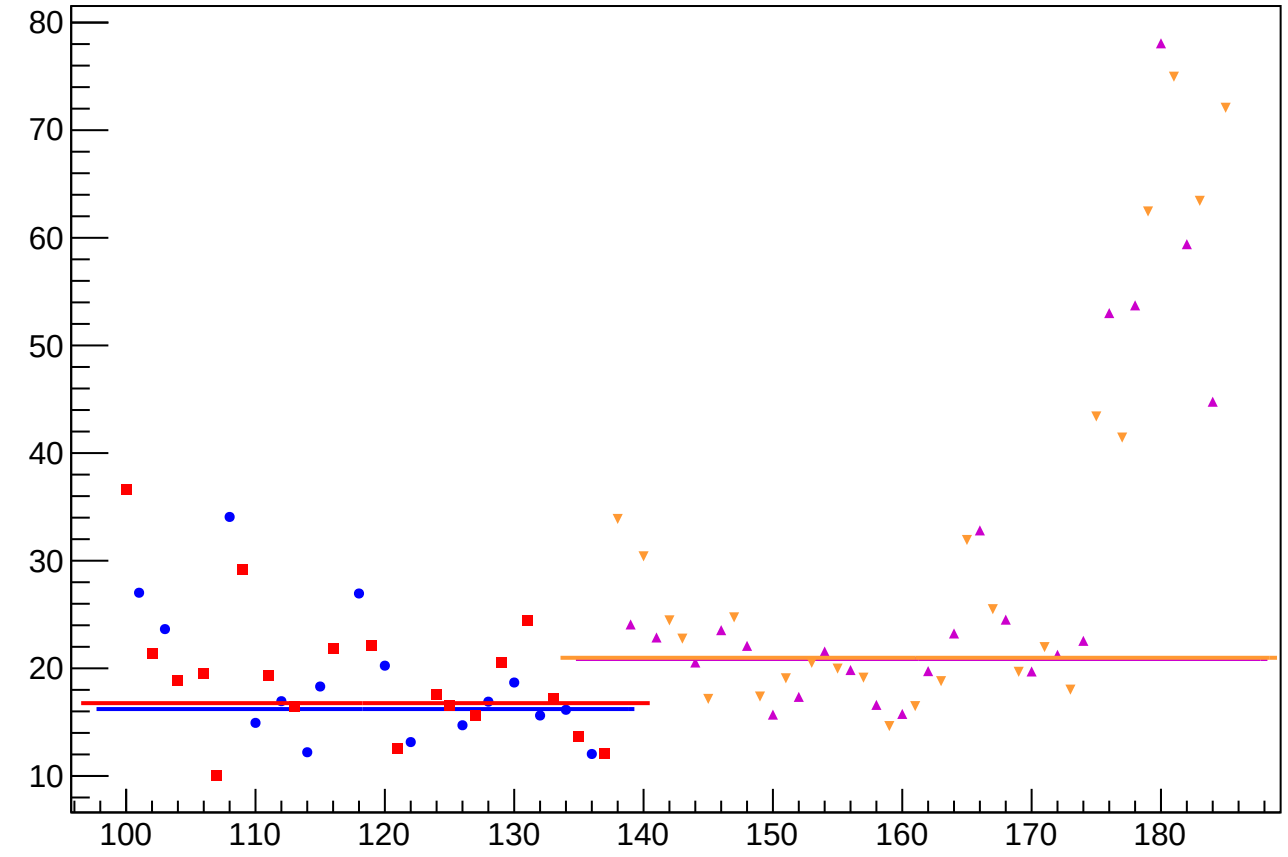
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/40

All: -0.003+/-0.003 χ^2/NDF: 82.0/82

- sign -0.004+/-0.004 χ^2/NDF: 36.8/41



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

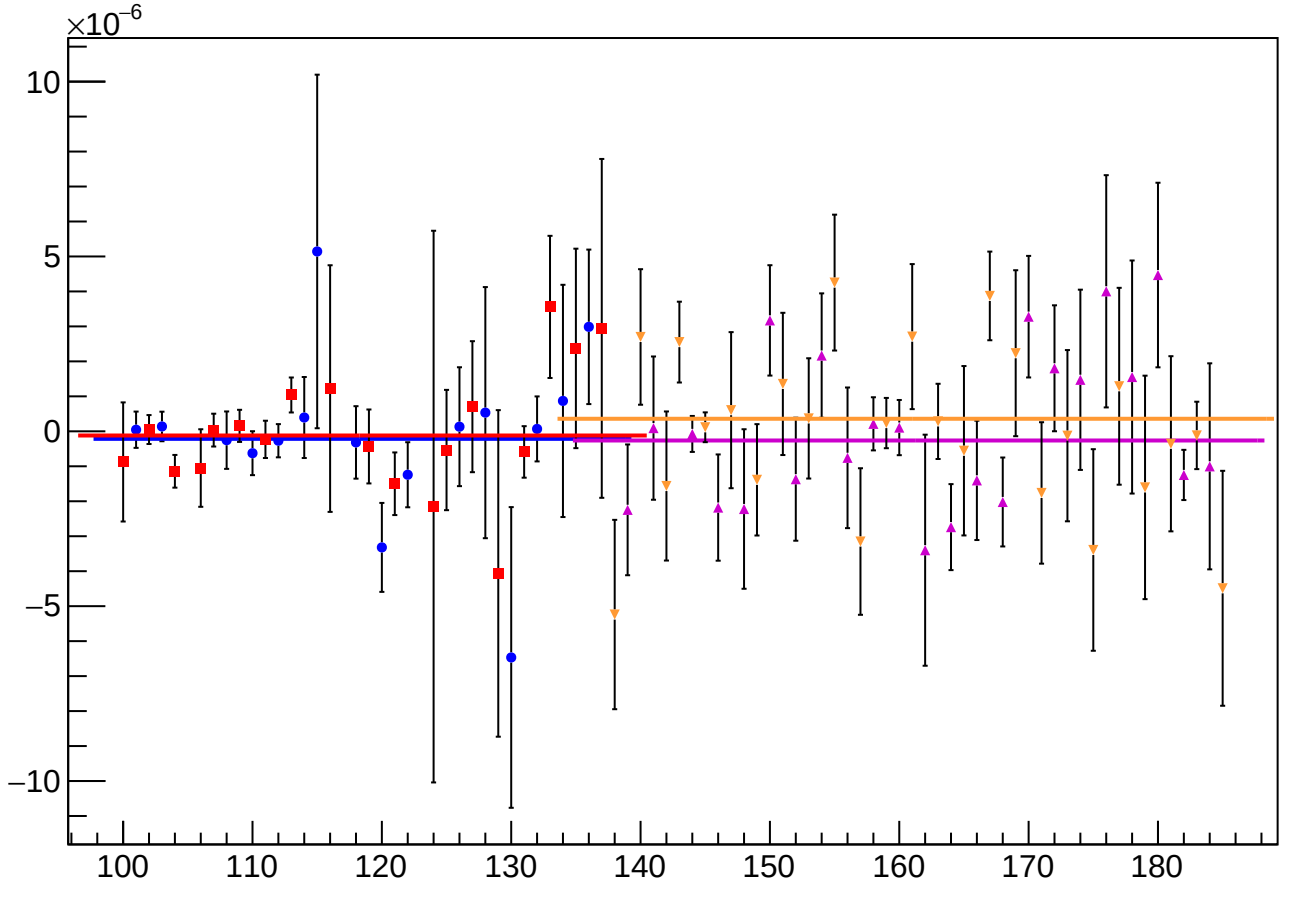
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.143+/-0.003 χ^2/NDF: 6057784.6/40

All: 19.206+/-0.002 χ^2/NDF: 10928285.2/82

- sign 19.271+/-0.003 χ^2/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:34.2/24

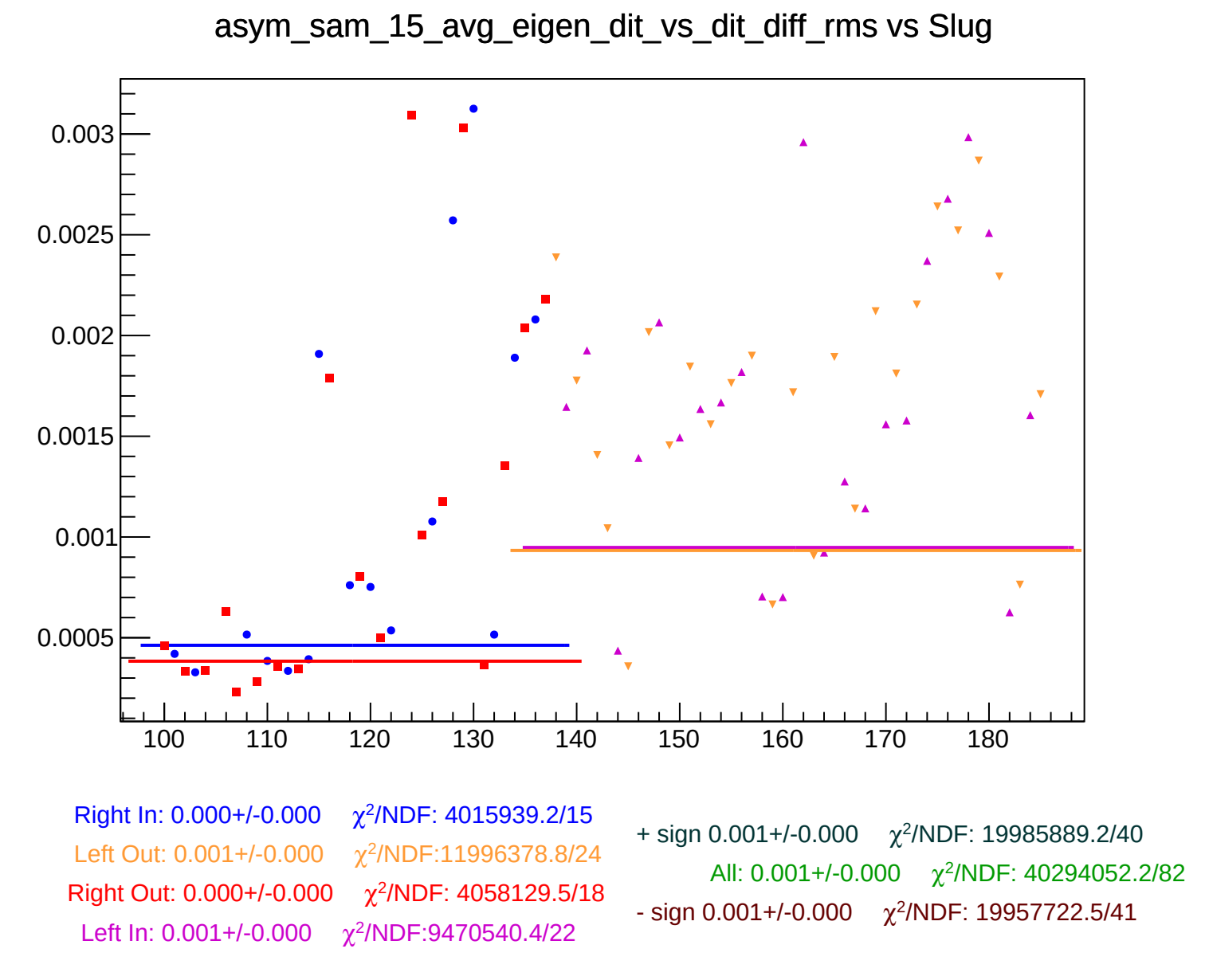
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

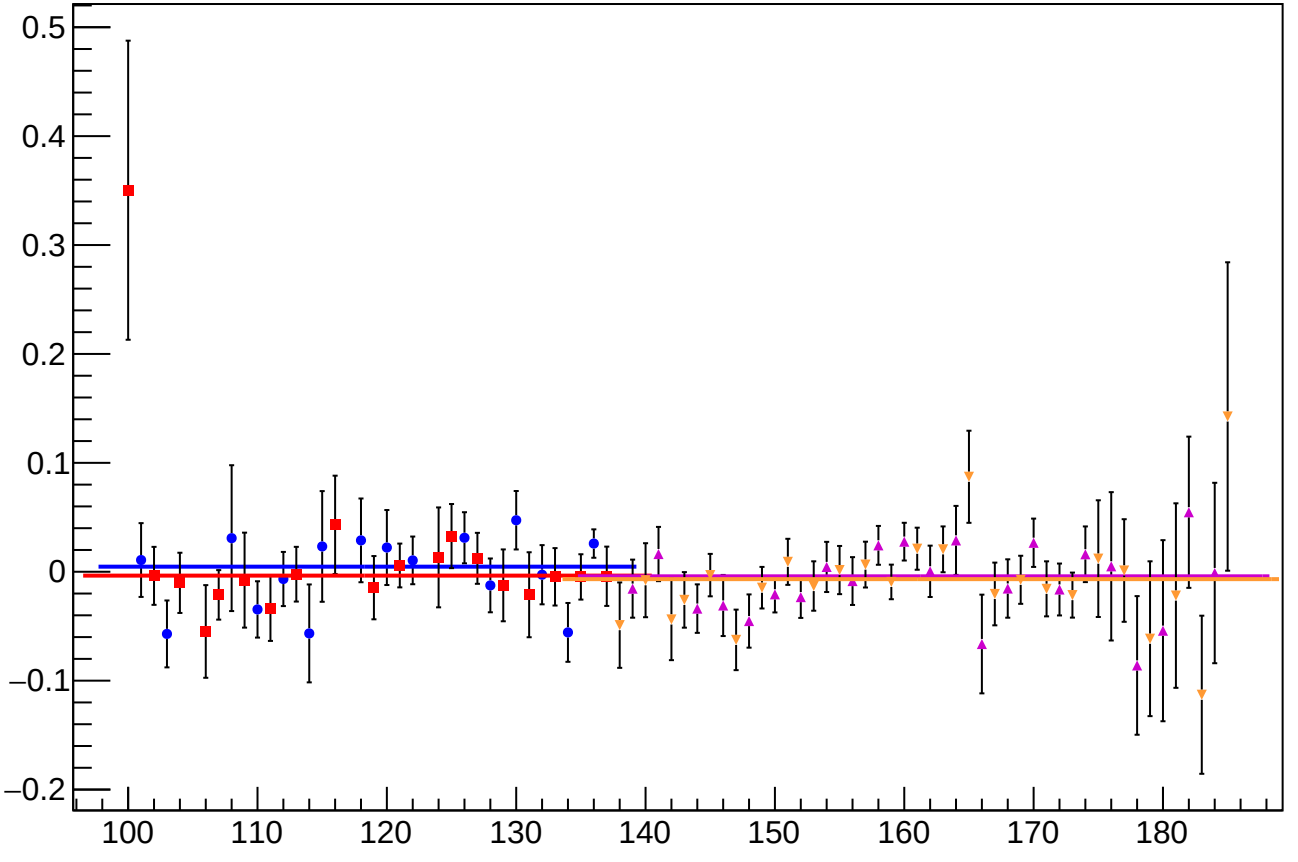
+ sign 0.000+/-0.000 χ^2/NDF: 51.7/40

All: -0.000+/-0.000 χ^2/NDF: 104.4/82

- 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:11996378.8/24
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: 19985889.2/40
All: 0.001+/-0.000 χ²/NDF: 40294052.2/82
- sign 0.001+/-0.000 χ²/NDF: 19957722.5/41

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

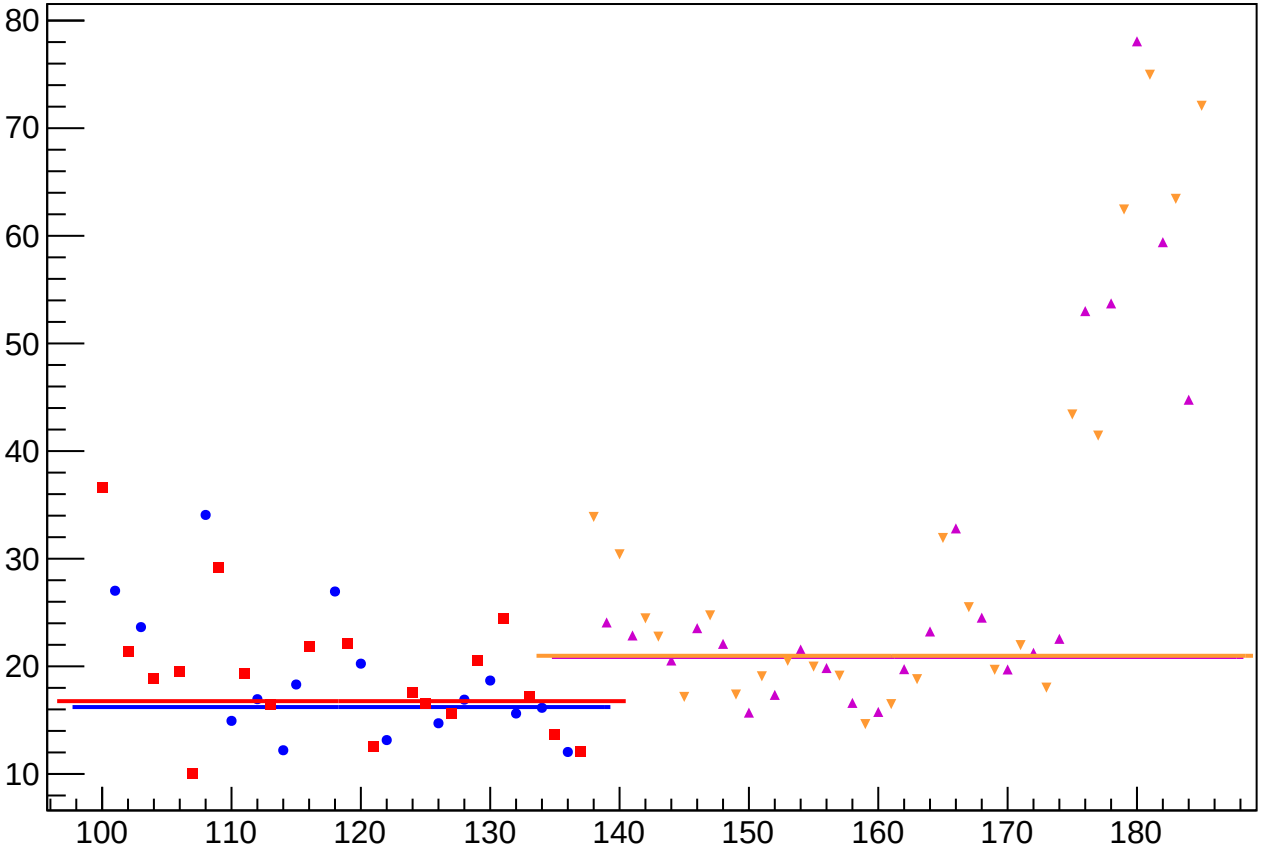
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/40

All: -0.003+/-0.003 χ^2/NDF: 82.0/82

- 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: 20.981+/-0.004 χ^2/NDF:4466984.6/24

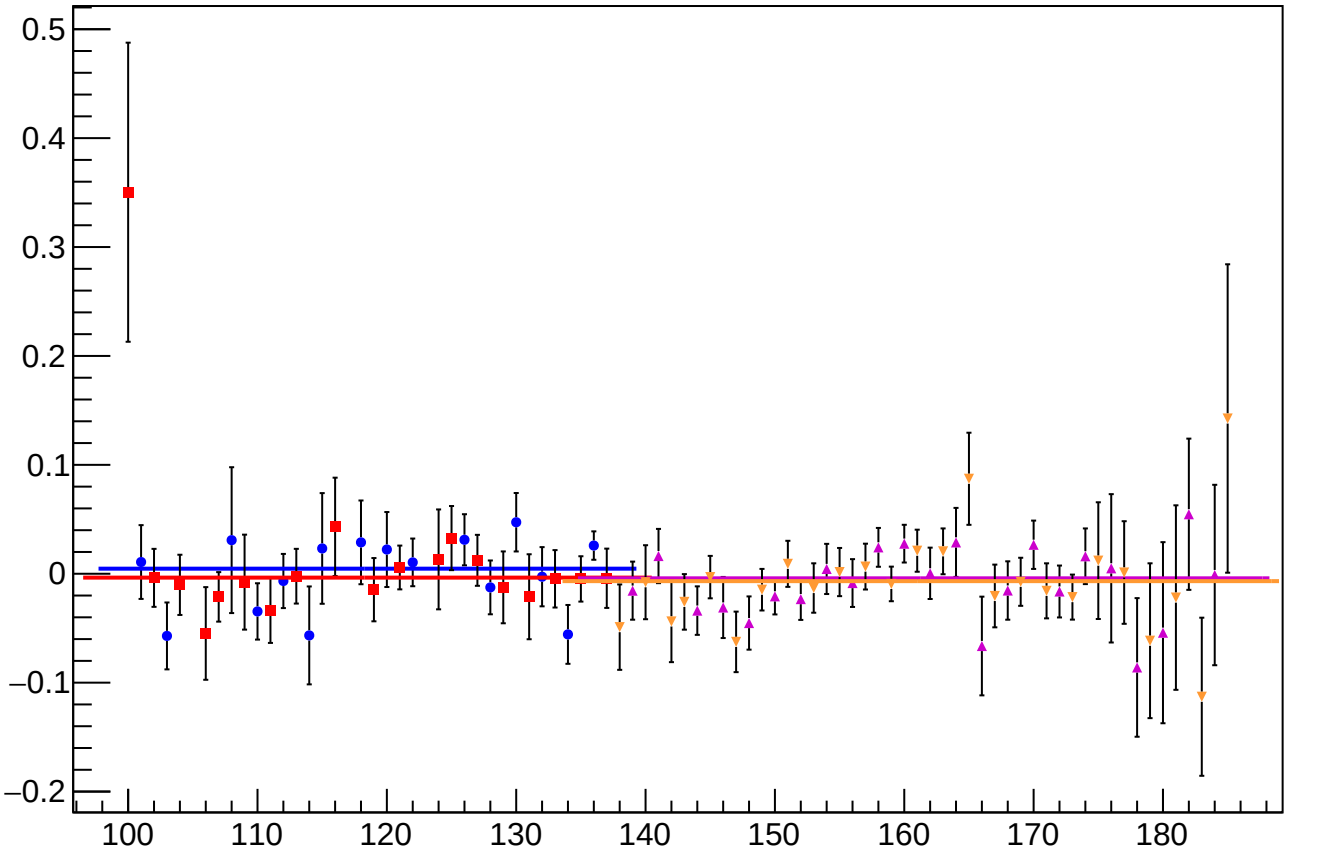
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.143+/-0.003 χ^2/NDF: 6057816.4/40

All: 19.206+/-0.002 χ^2/NDF: 10928422.1/82

- 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:21.8/24

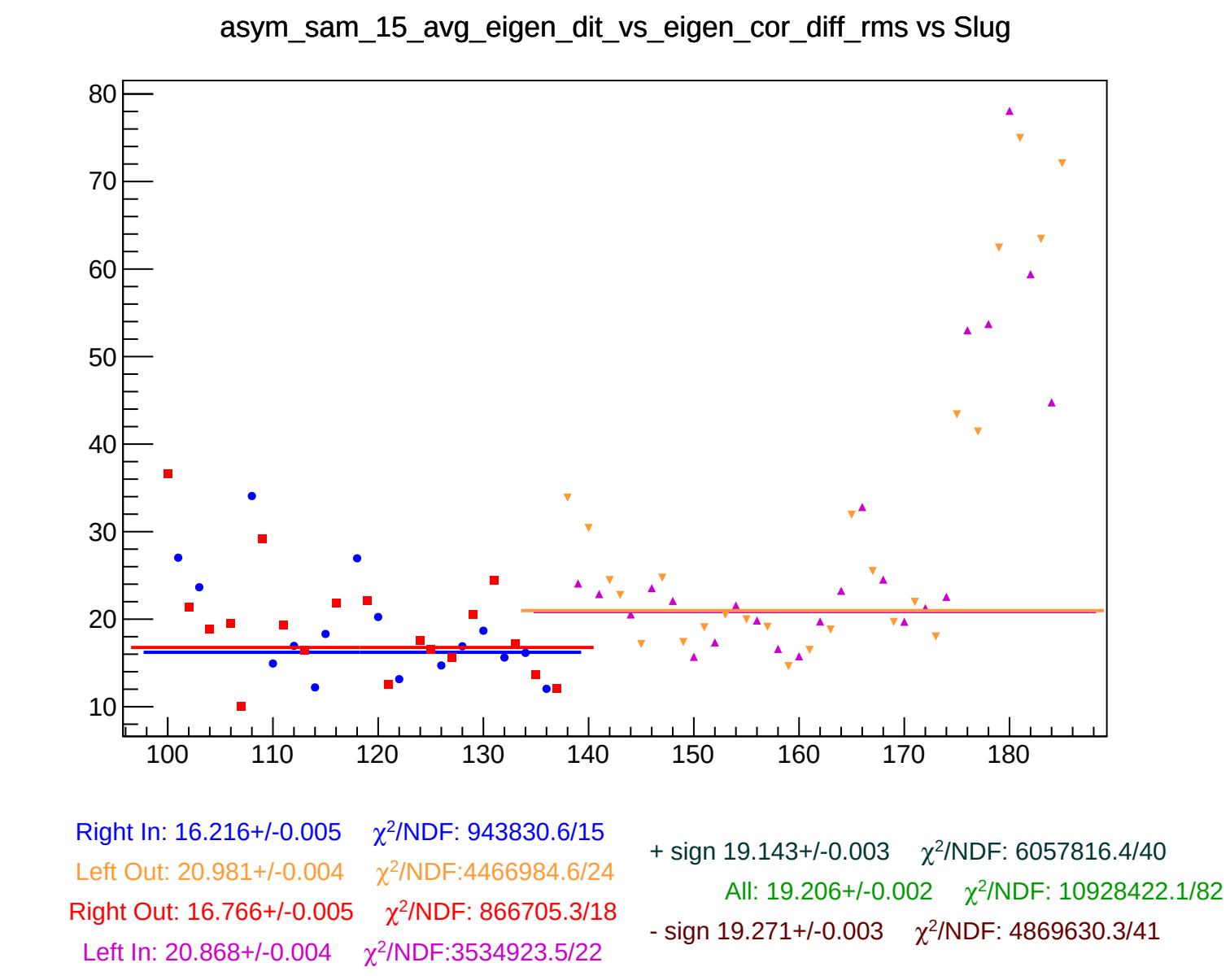
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

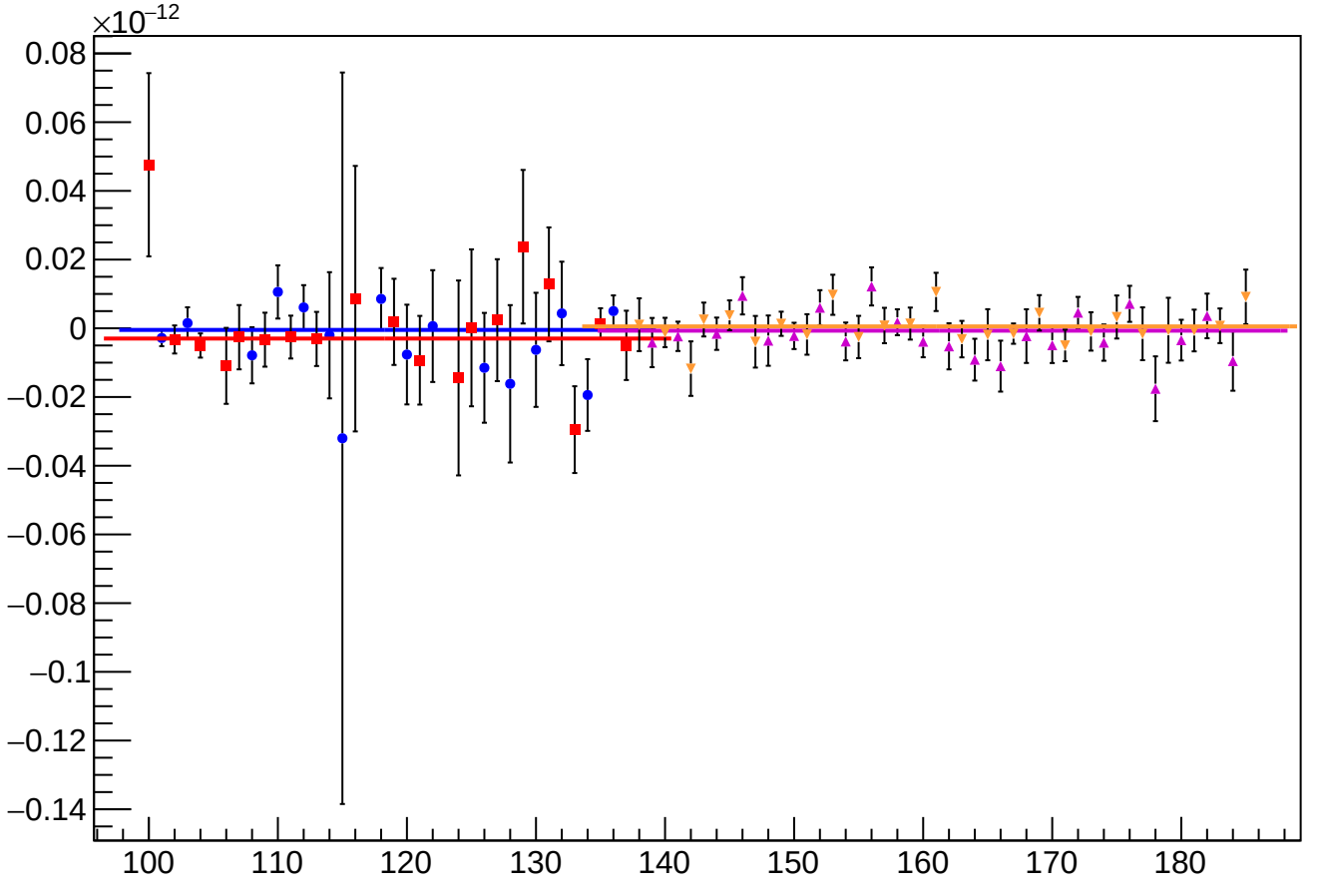
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/40

All: -0.003+/-0.003 χ^2/NDF: 82.0/82

- 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: 20.981+/-0.004 χ²/NDF:4466984.6/24
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 20.868+/-0.004 χ²/NDF:3534923.5/22
+ sign 19.143+/-0.003 χ²/NDF: 6057816.4/40
All: 19.206+/-0.002 χ²/NDF: 10928422.1/82
- 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:14.6/24

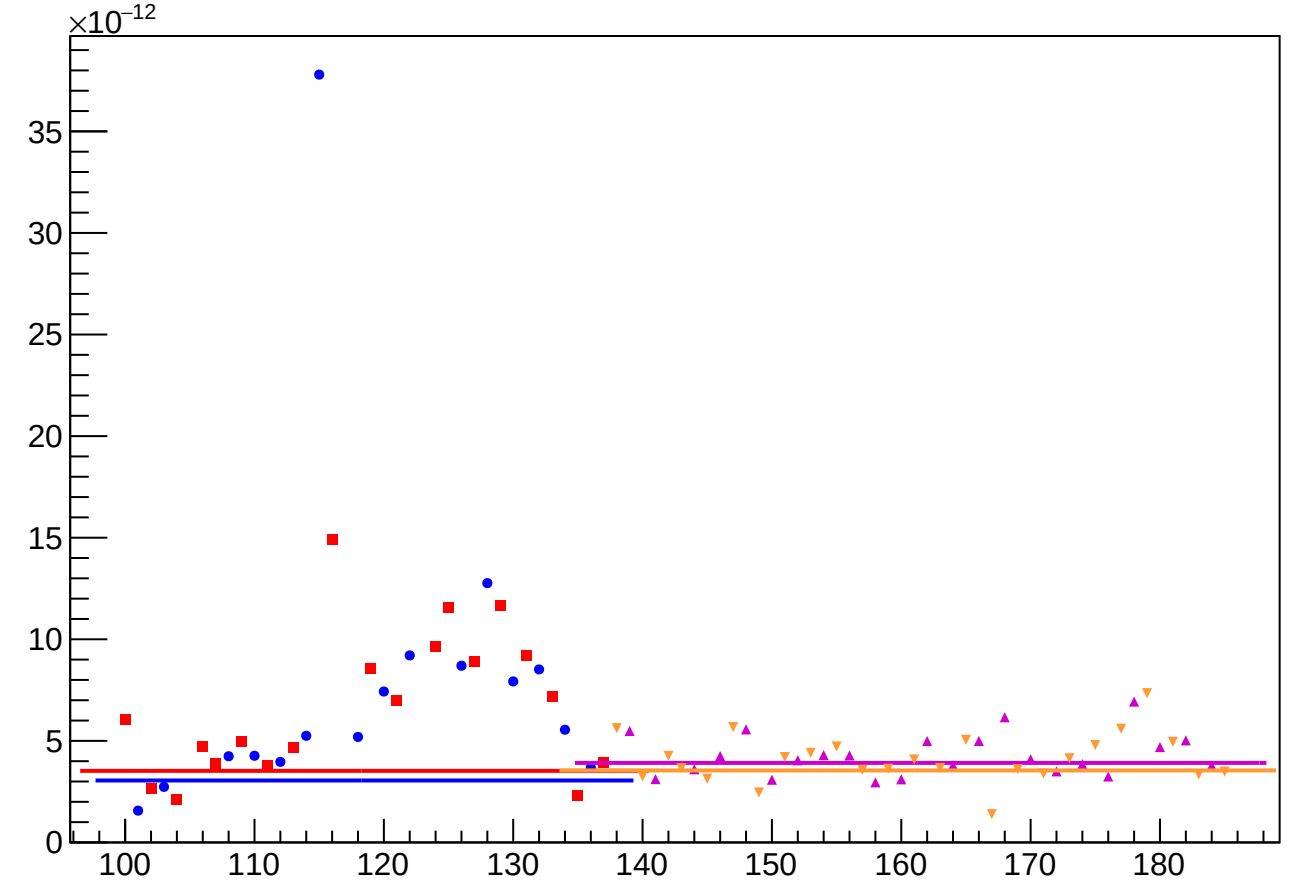
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.1/40

All: -0.000+/-0.000 χ^2/NDF: 69.3/82

- sign -0.000+/-0.000 χ^2/NDF: 40.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

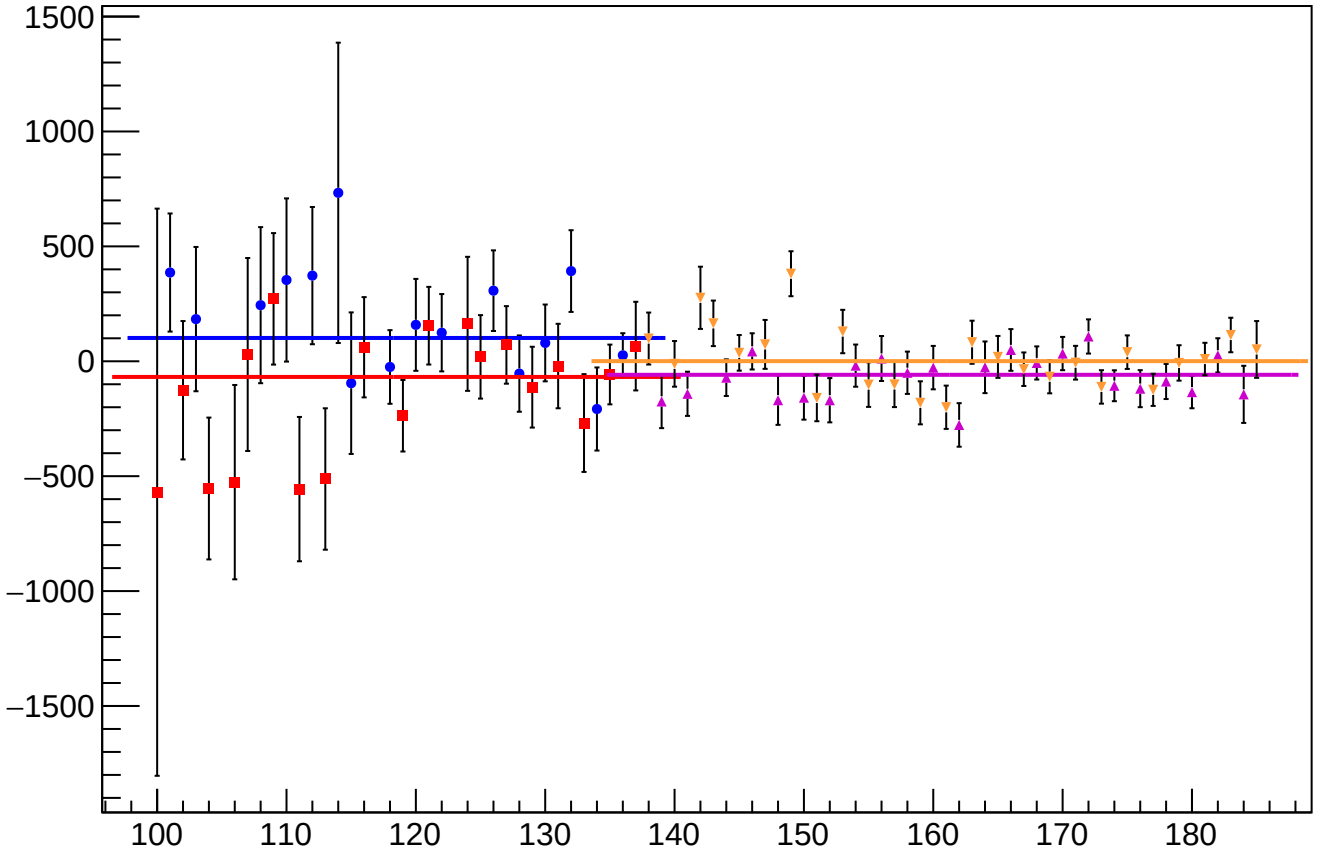
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5593813.0/40

All: 0.000+/-0.000 χ^2/NDF: 9611621.4/82

- sign 0.000+/-0.000 χ^2/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: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

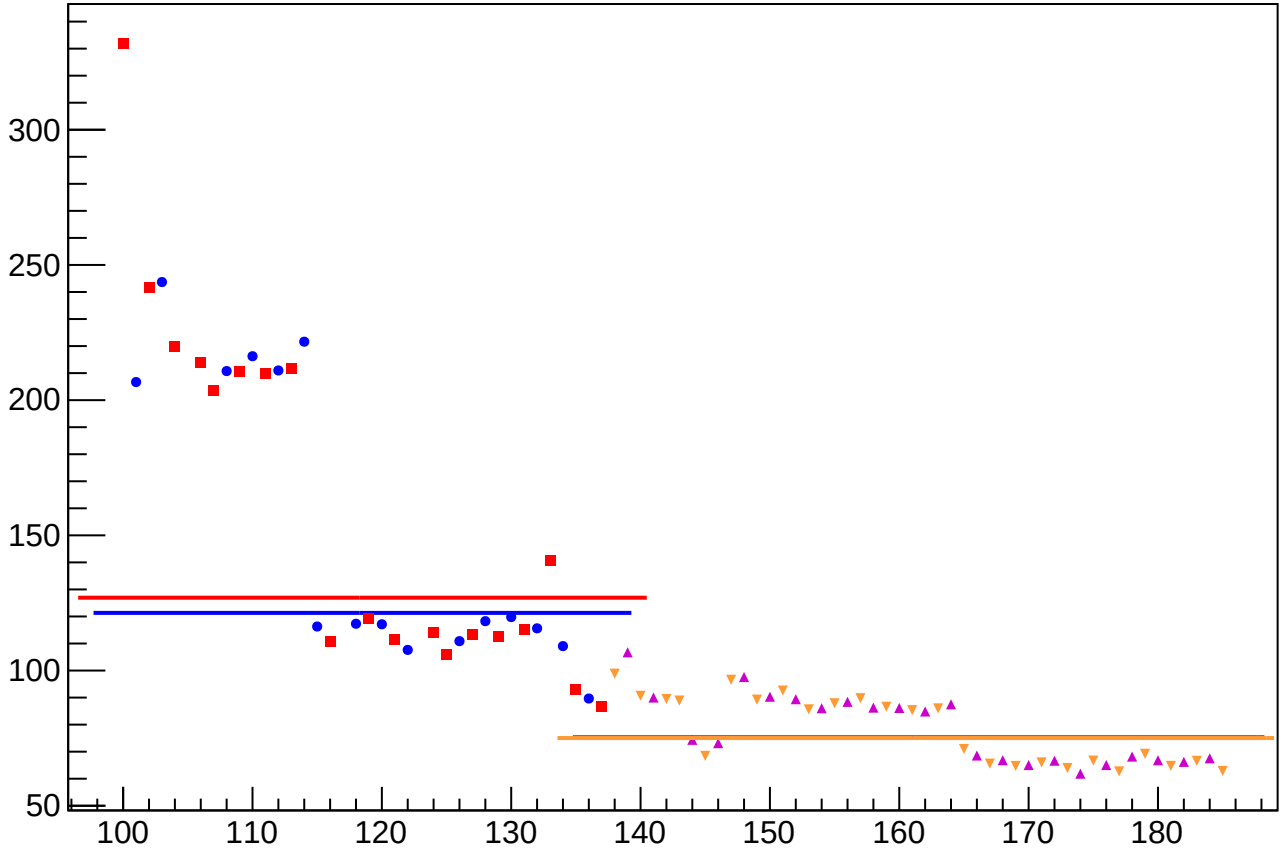
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.376+/-16.277 χ^2/NDF: 65.9/40

All: -22.636+/-11.693 χ^2/NDF: 117.5/82

- 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: 75.041+/-0.012 χ^2/NDF:928107.8/24

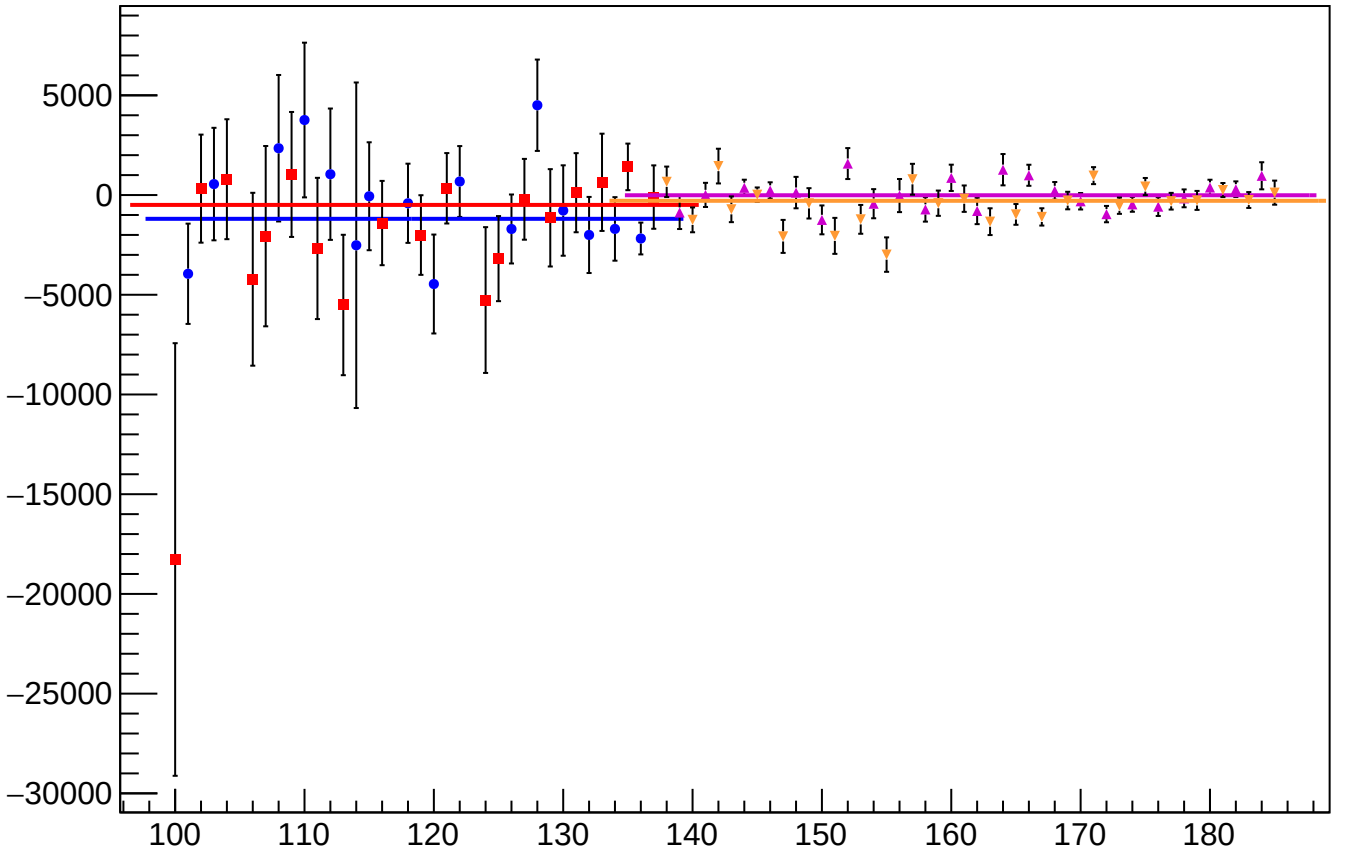
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.446+/-0.012 χ^2/NDF: 3882741.5/40

All: 80.880+/-0.008 χ^2/NDF: 8128758.0/82

- 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: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

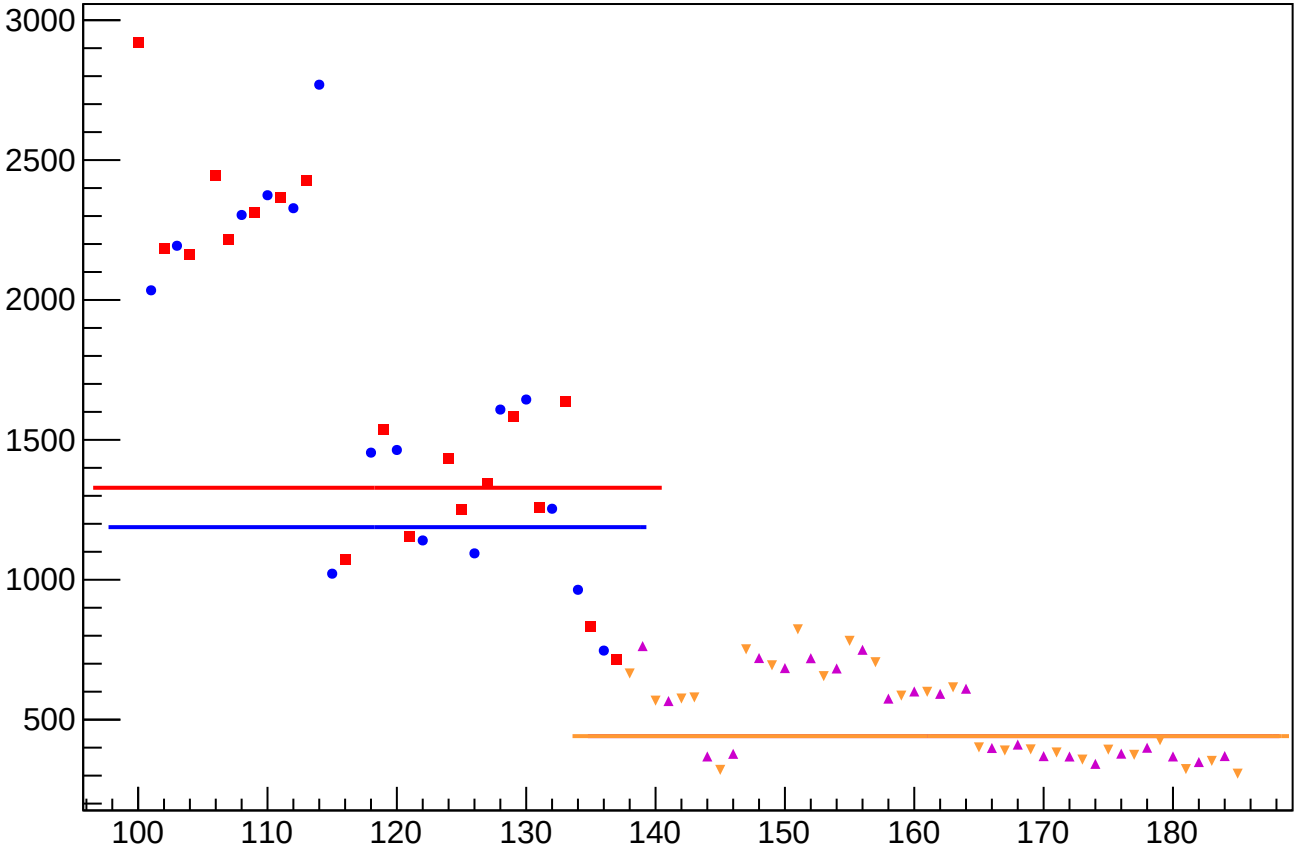
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -329.720+/-102.779 χ^2/NDF: 72.6/40

All: -183.901+/-73.601 χ^2/NDF: 124.9/82

- 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: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

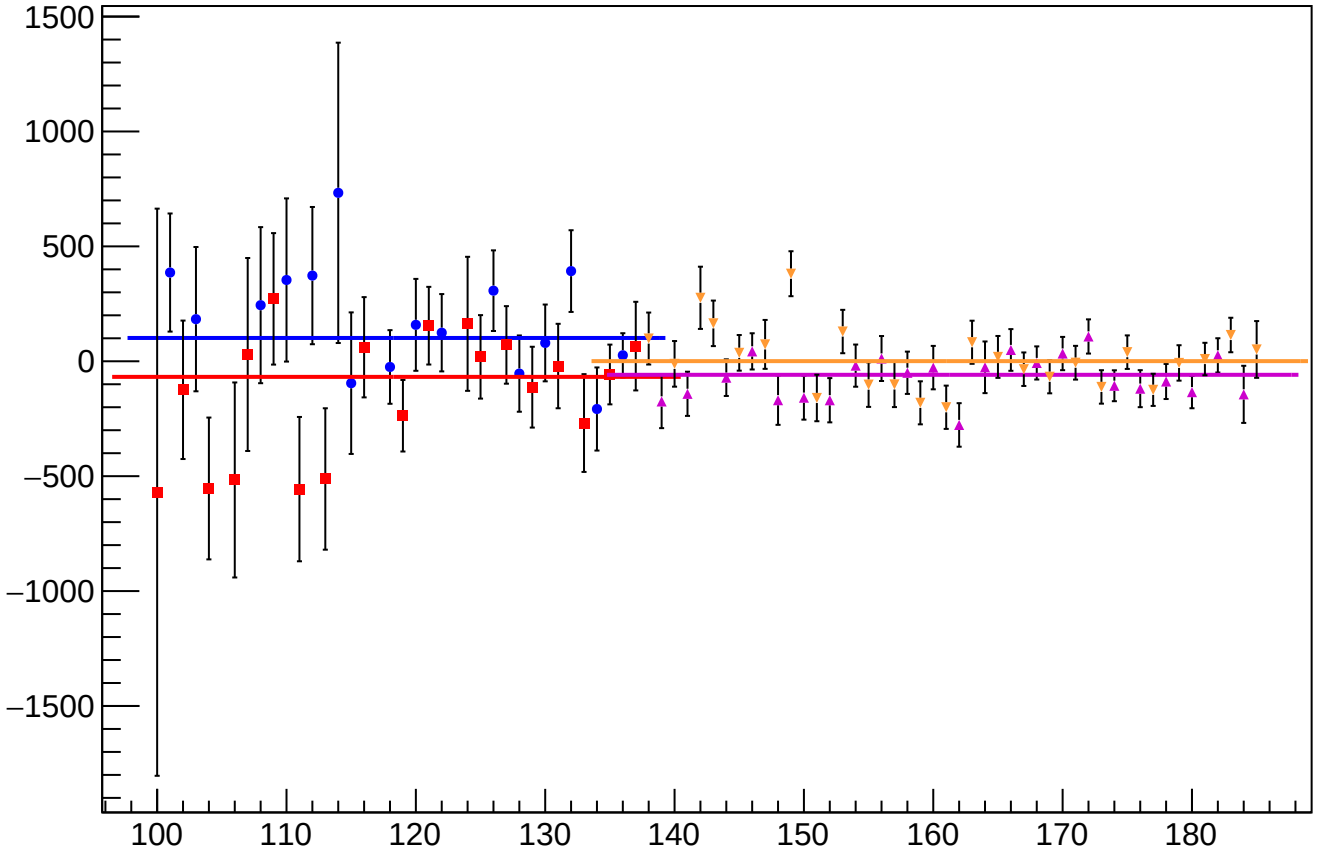
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 475.531+/-0.073 χ^2/NDF: 9920359.0/40

All: 476.466+/-0.052 χ^2/NDF: 20112399.4/82

- 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: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

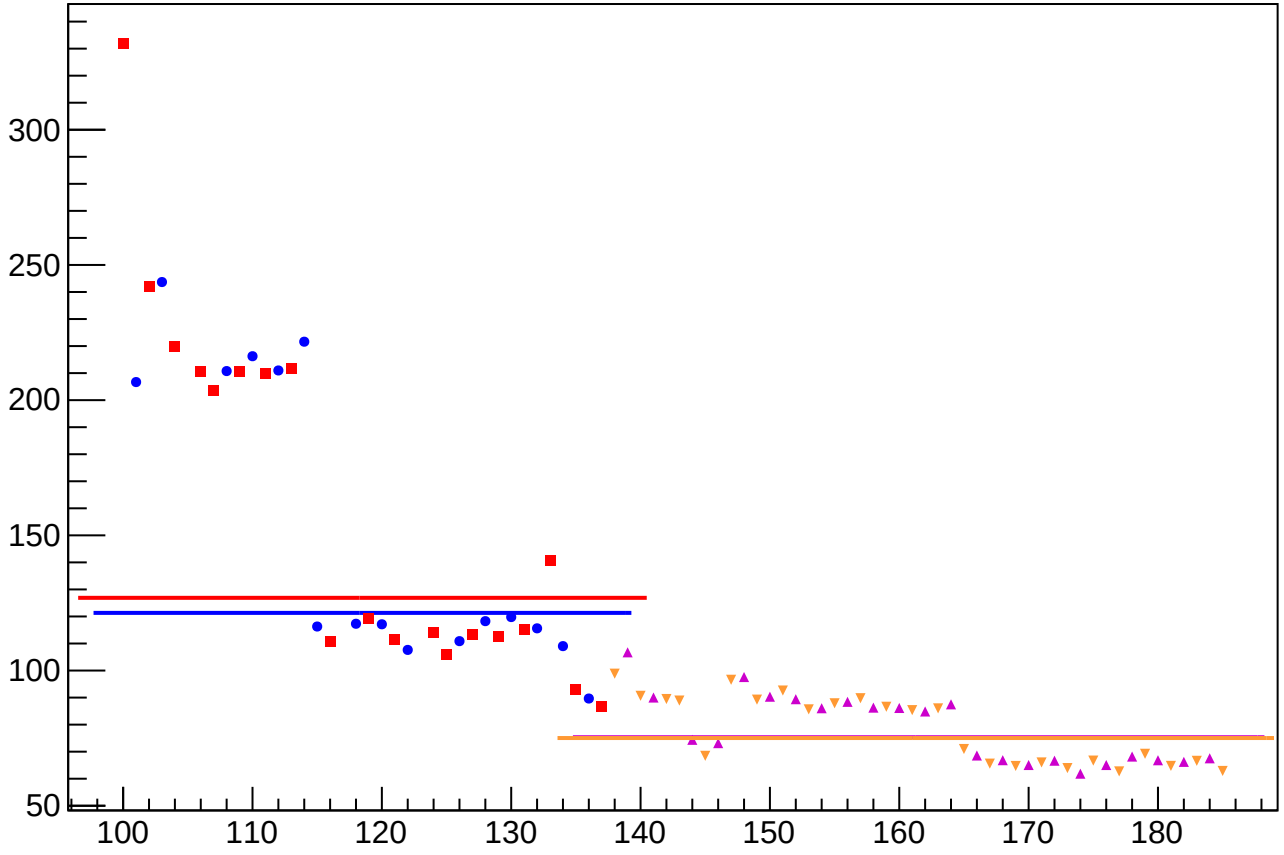
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.375+/-16.277 χ^2/NDF: 65.9/40

All: -22.623+/-11.693 χ^2/NDF: 117.4/82

- 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: 75.041+/-0.012 χ^2/NDF:928107.8/24

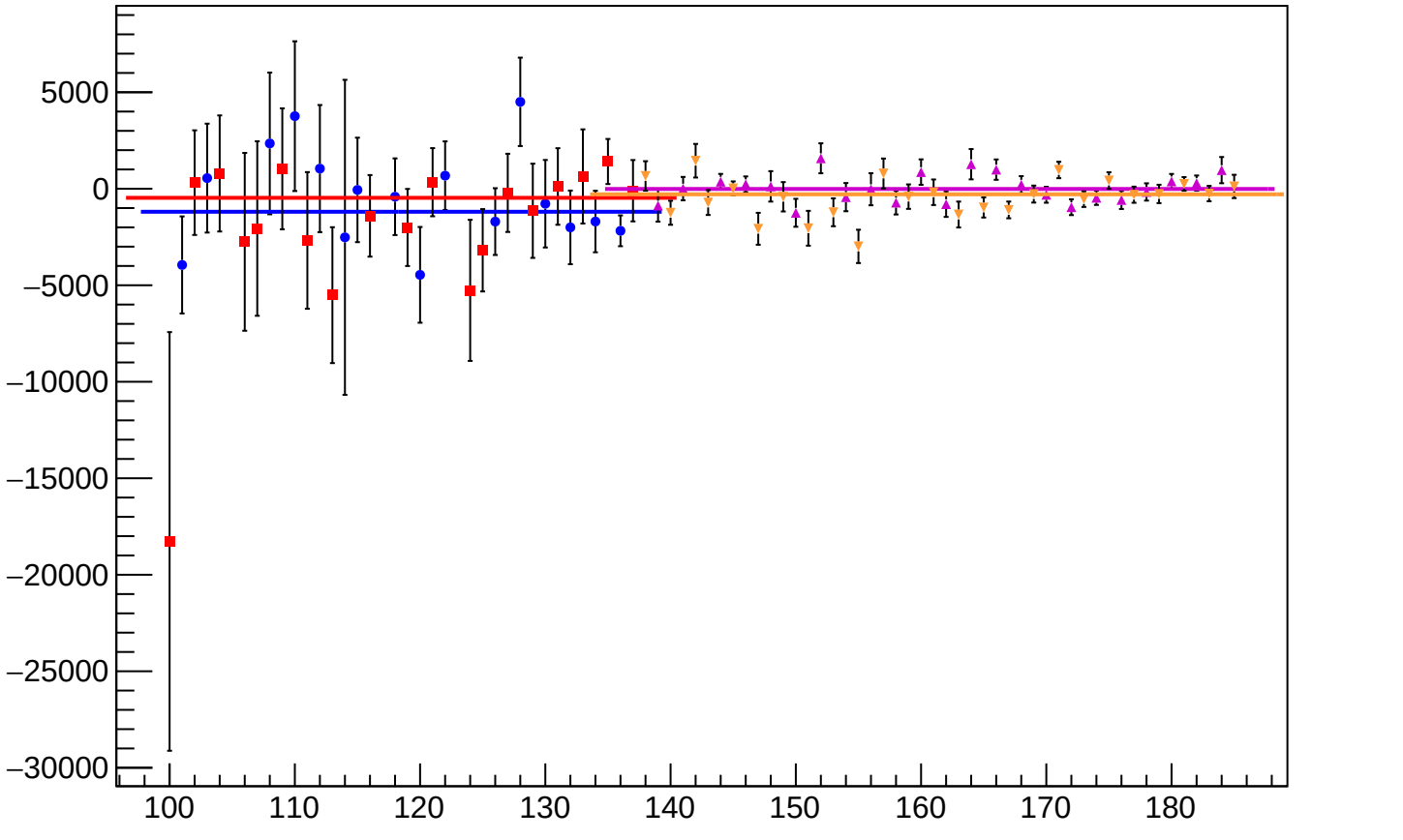
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.446+/-0.012 χ^2/NDF: 3882743.4/40

All: 80.877+/-0.008 χ^2/NDF: 8118643.3/82

- 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: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

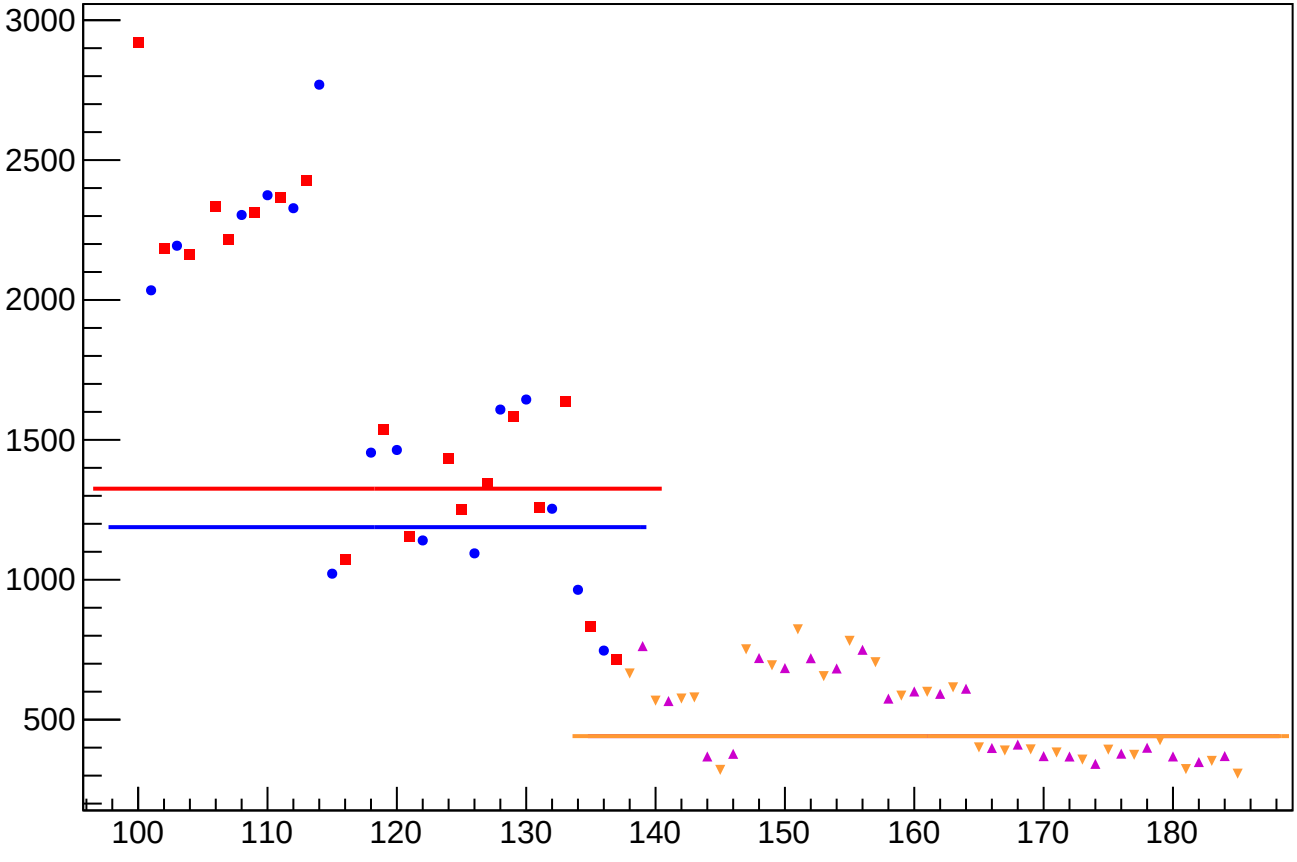
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.718+/-102.779 χ^2/NDF: 72.6/40

All: -183.395+/-73.602 χ^2/NDF: 124.3/82

- 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: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

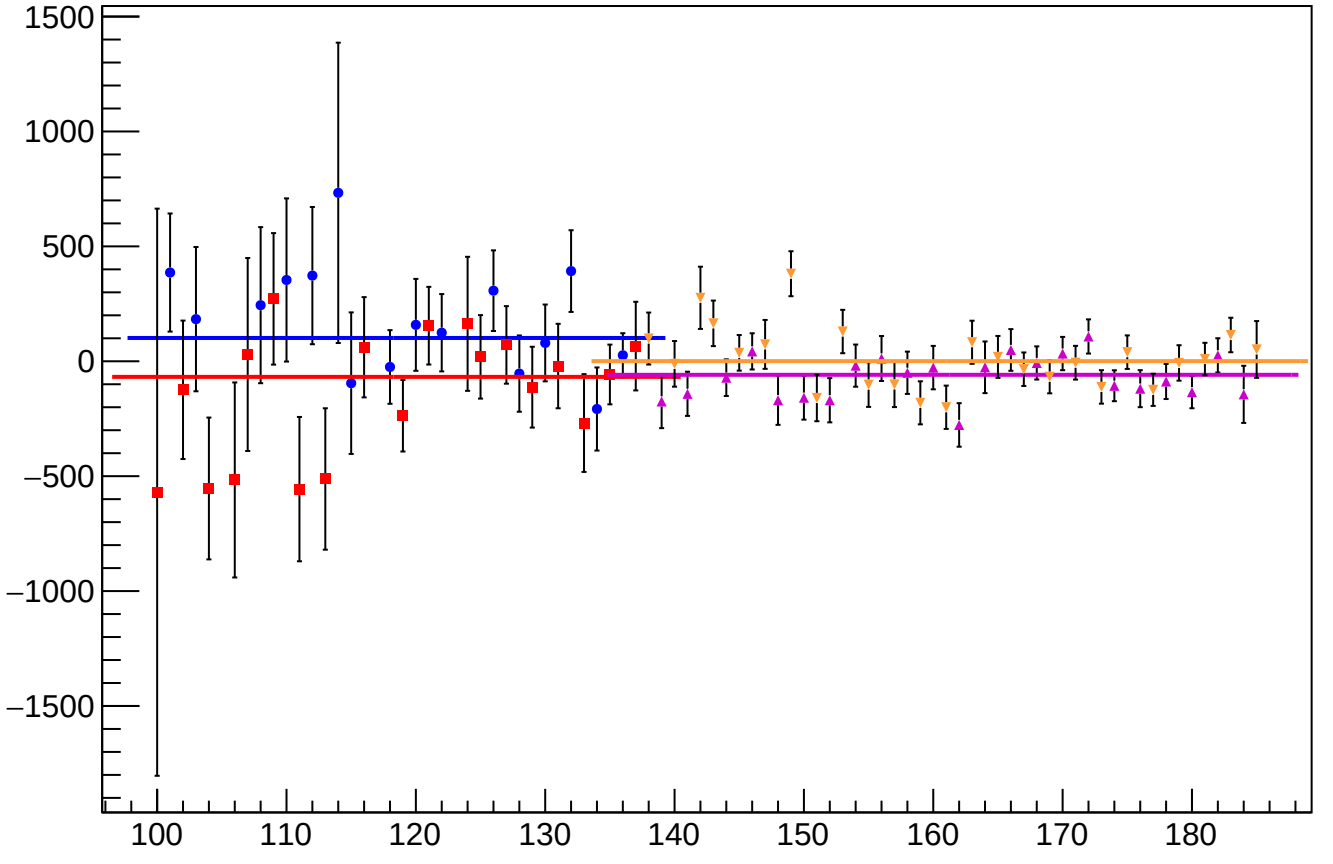
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 475.531+/-0.073 χ^2/NDF: 9920366.7/40

All: 476.373+/-0.052 χ^2/NDF: 20025898.1/82

- 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: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

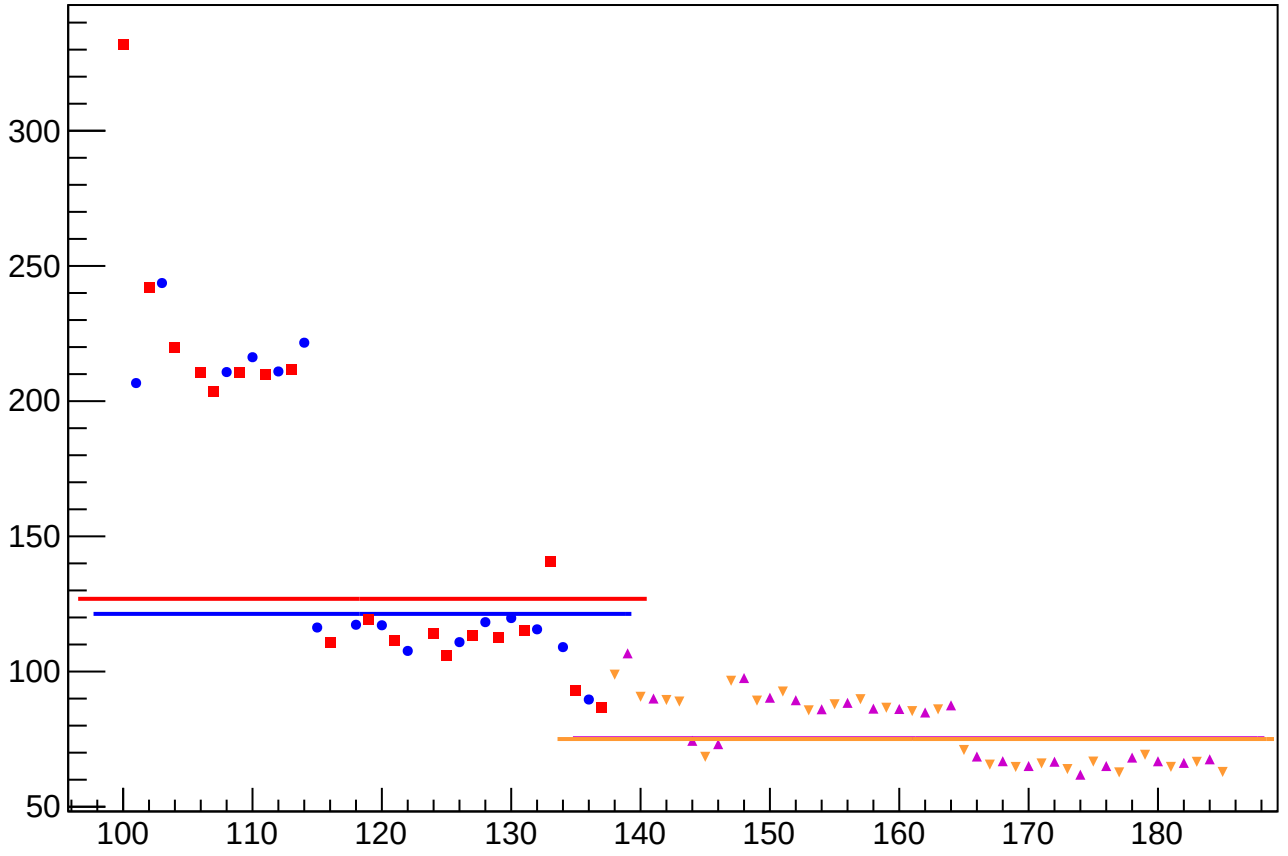
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.375+/-16.277 χ^2/NDF: 65.9/40

All: -22.623+/-11.693 χ^2/NDF: 117.4/82

- 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: 75.041+/-0.012 χ^2/NDF:928107.8/24

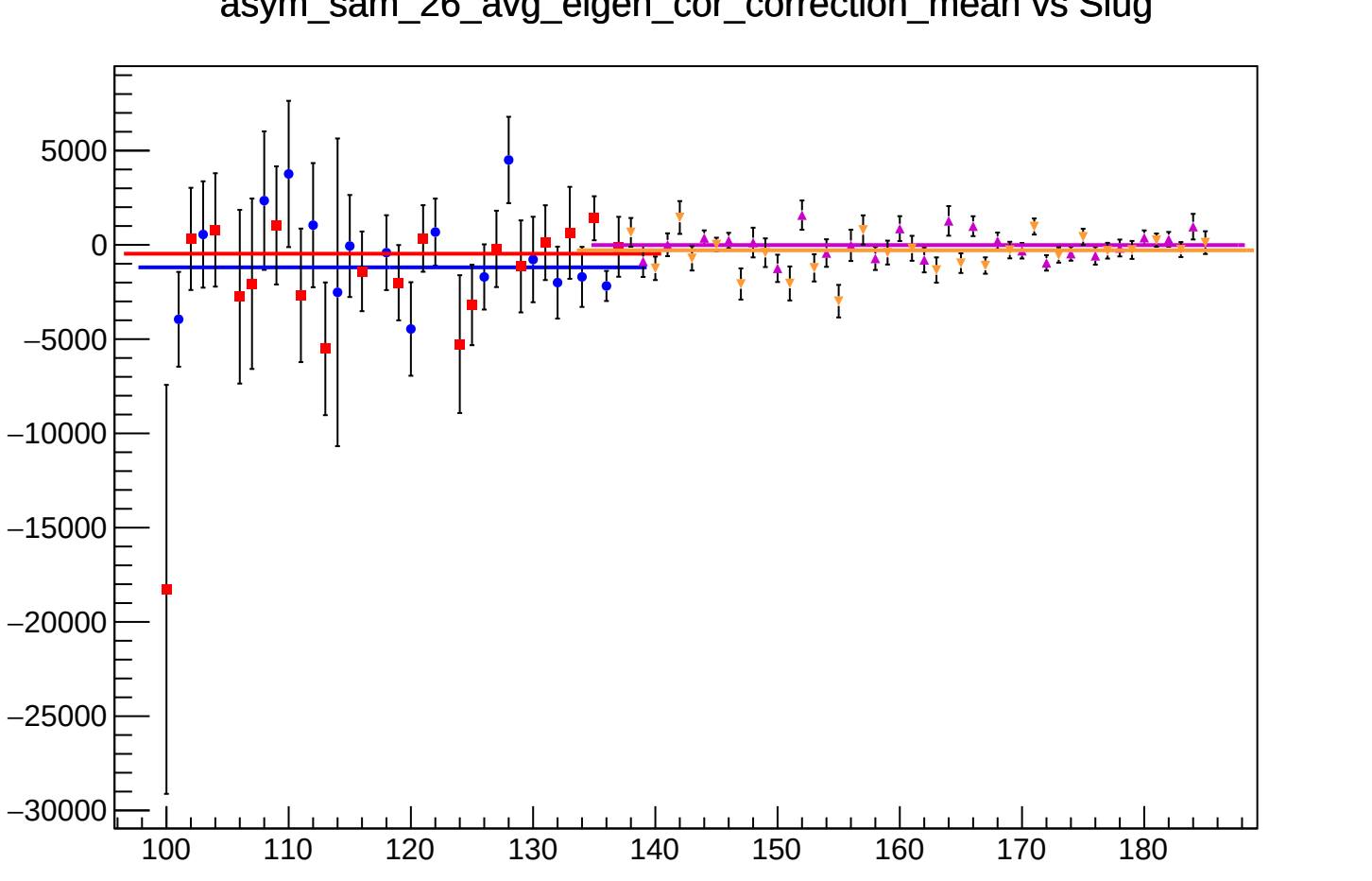
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.446+/-0.012 χ^2/NDF: 3882743.4/40

All: 80.877+/-0.008 χ^2/NDF: 8118643.3/82

- 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: -288.079+/-105.231 χ^2/NDF:53.3/24

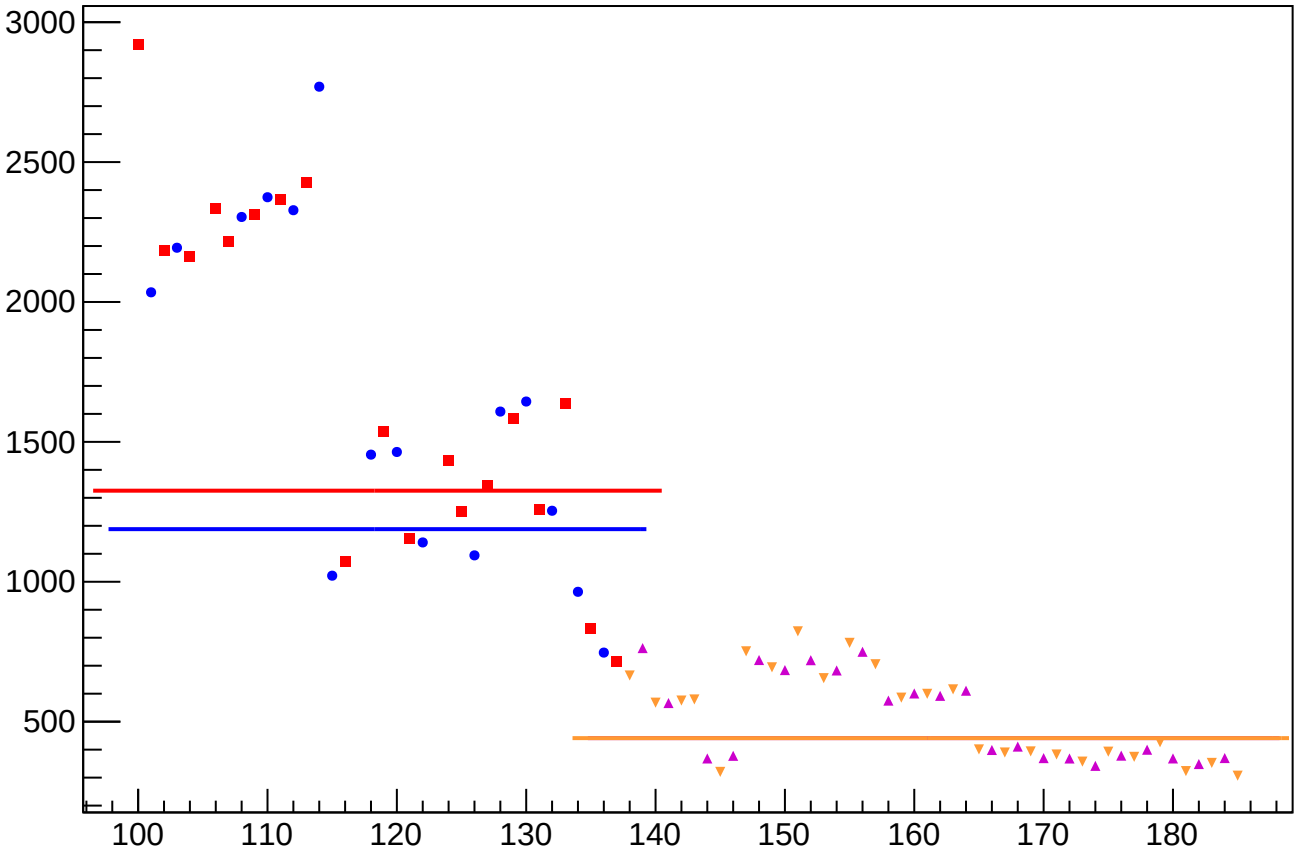
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.718+/-102.779 χ^2/NDF: 72.6/40

All: -183.395+/-73.602 χ^2/NDF: 124.3/82

- sign -29.365+/-105.451 χ^2/NDF: 47.5/41



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

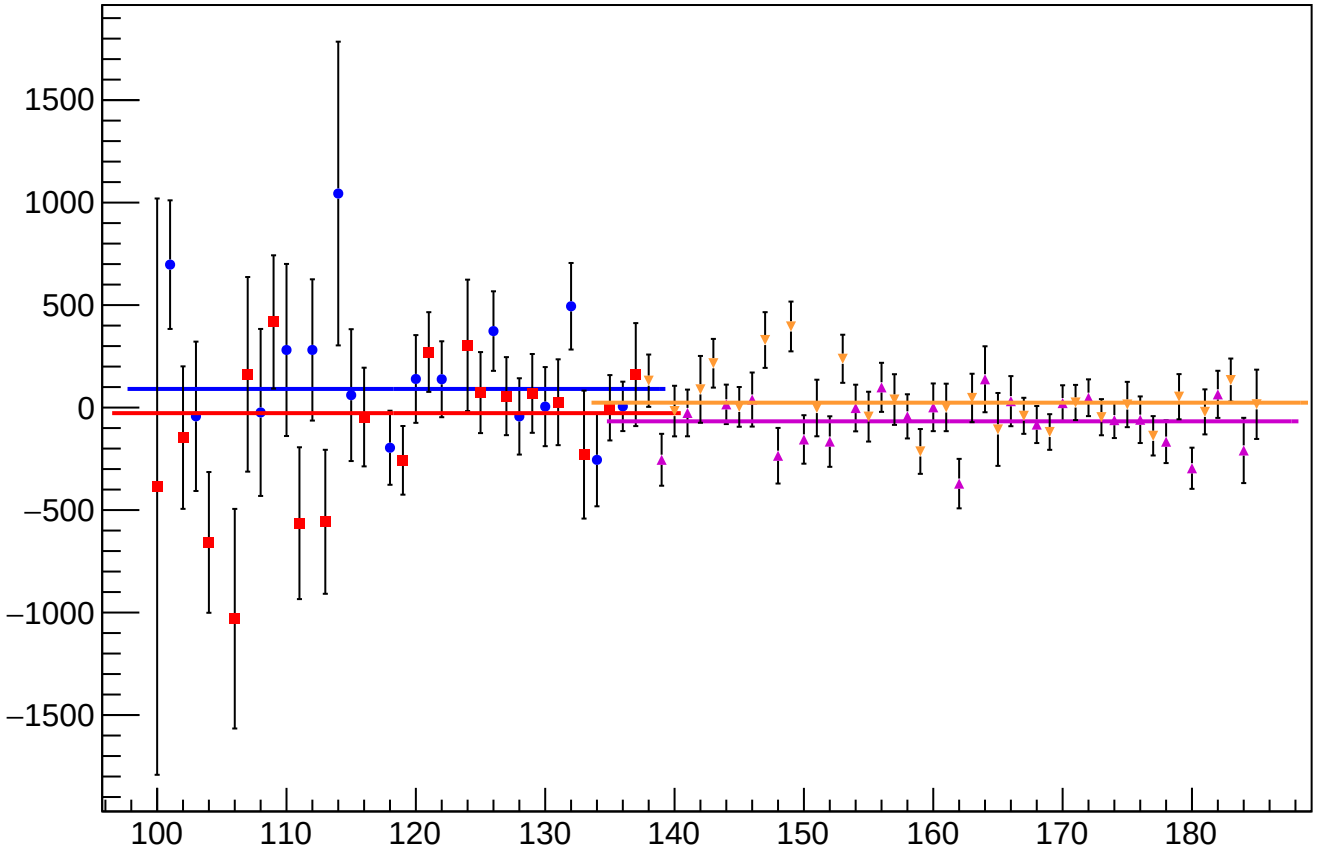
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 475.531+/-0.073 χ^2/NDF: 9920366.7/40

All: 476.373+/-0.052 χ^2/NDF: 20025898.1/82

- 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: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

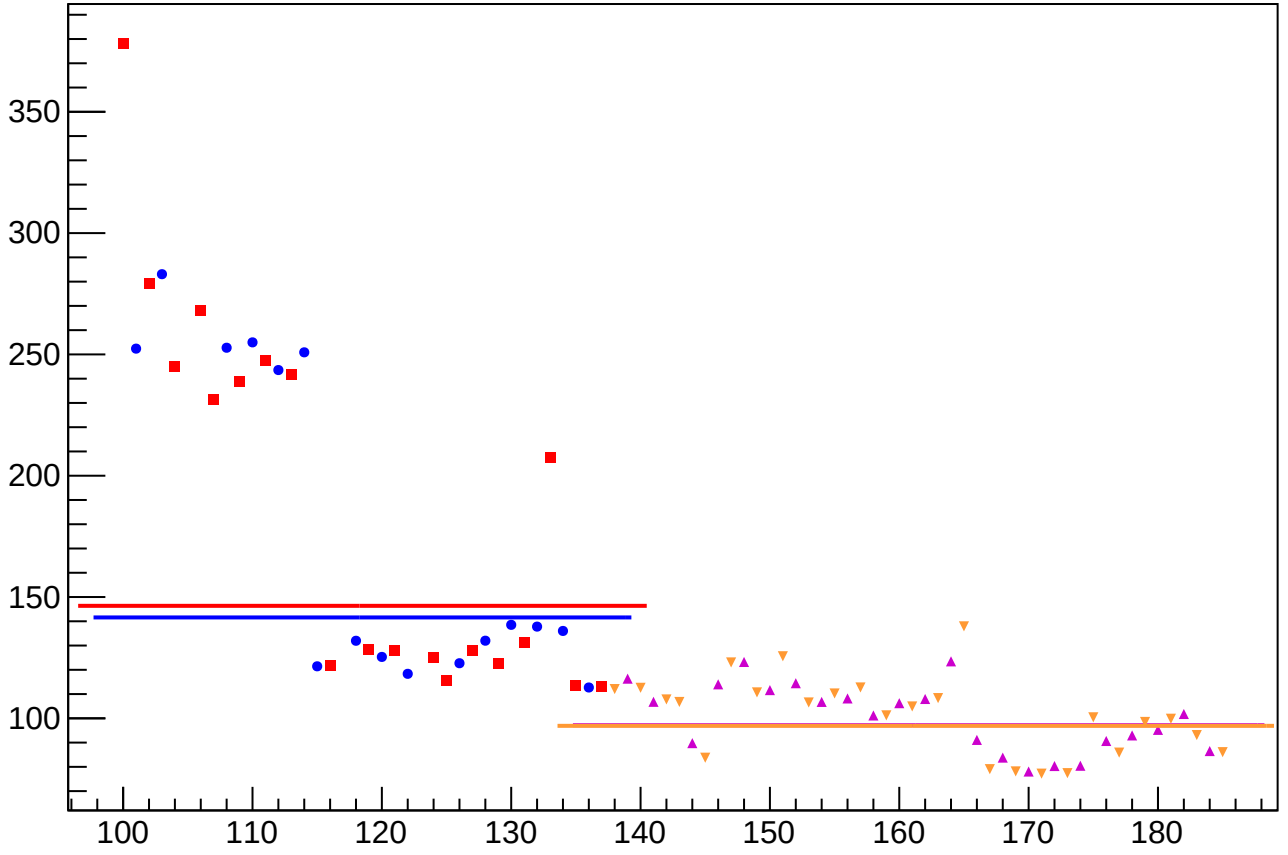
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 33.255+/-20.787 χ^2/NDF: 54.5/40

All: -12.662+/-14.919 χ^2/NDF: 114.2/82

- 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: 96.907+/-0.016 χ^2/NDF:933980.7/24

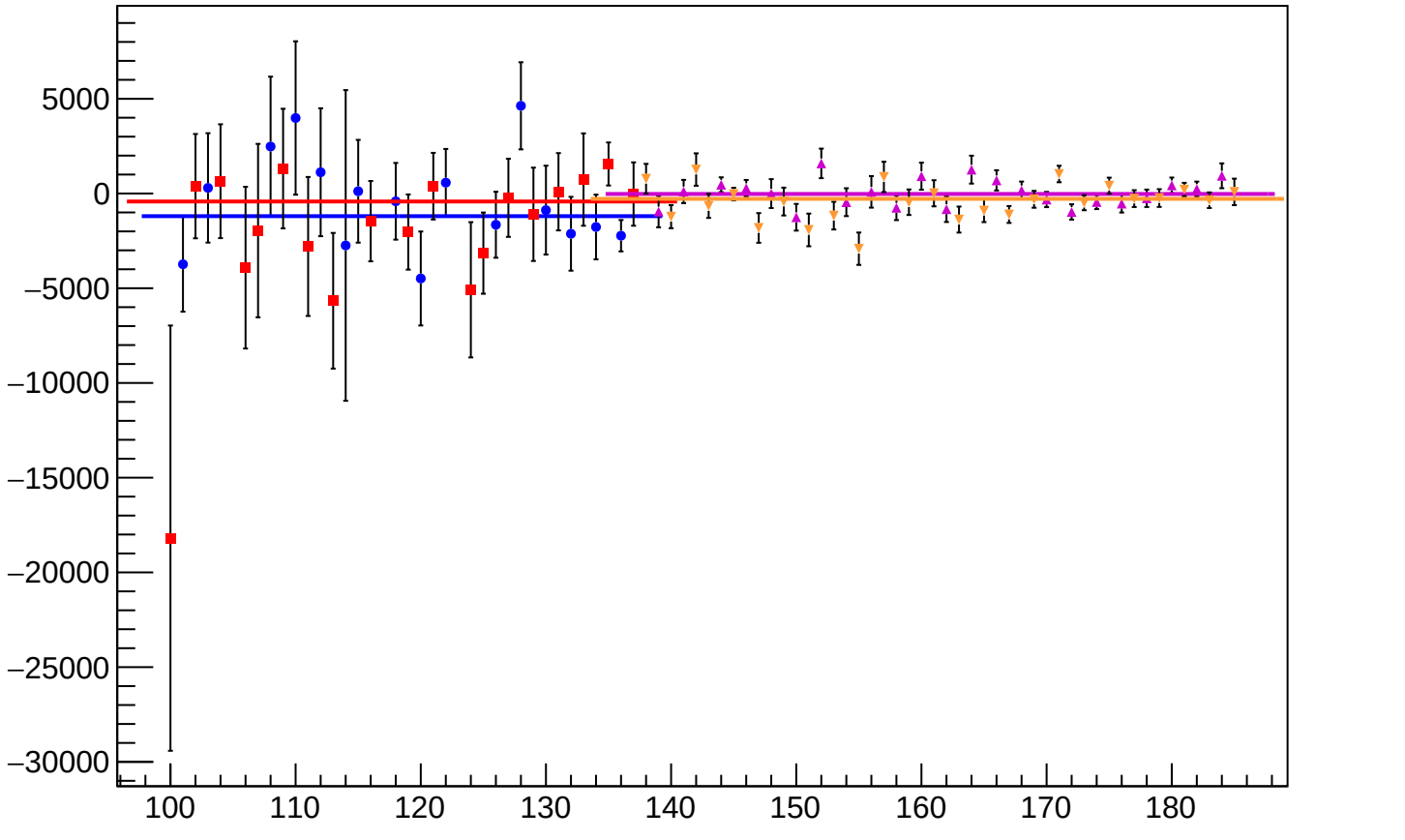
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 103.160+/-0.015 χ^2/NDF: 3308502.5/40

All: 103.623+/-0.011 χ^2/NDF: 6777820.5/82

- 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: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

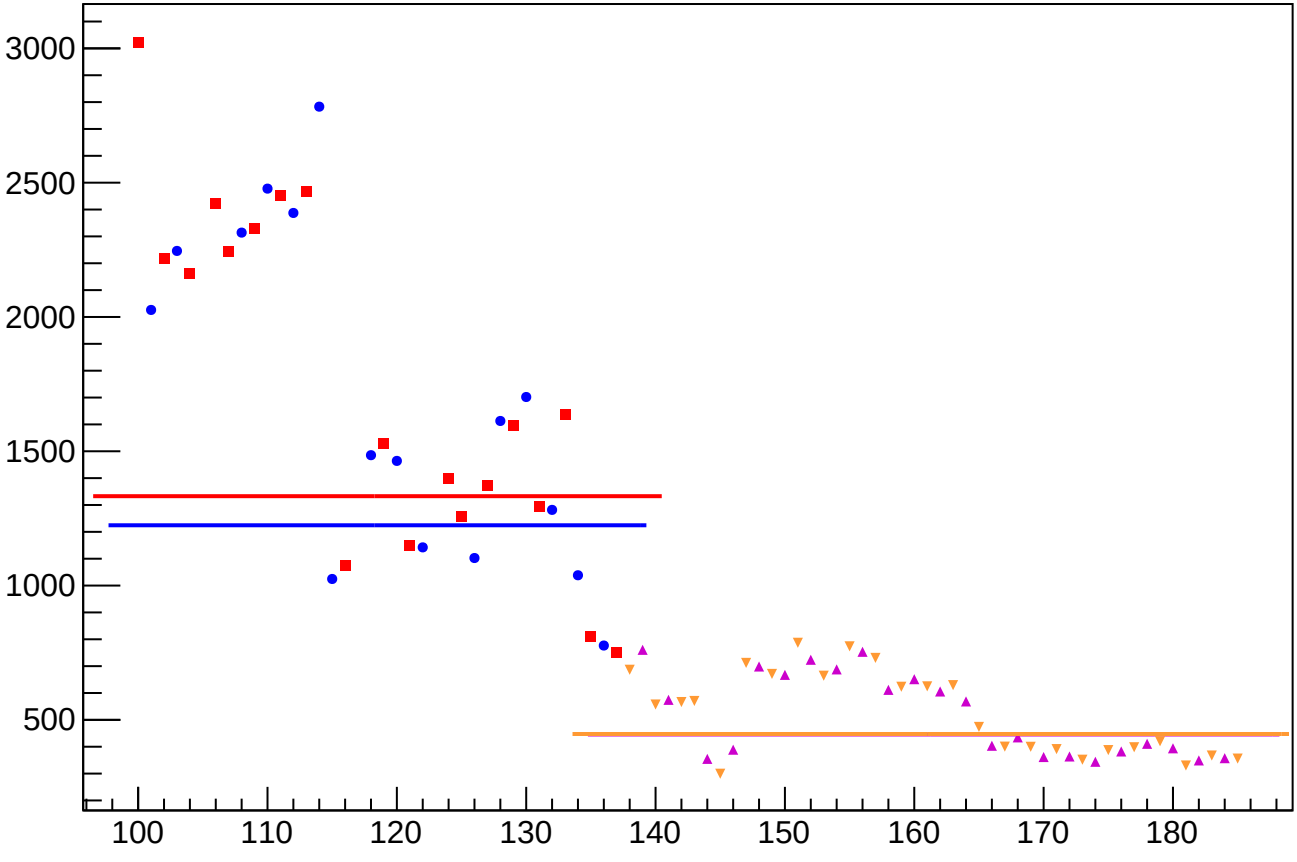
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -323.363+/-103.985 χ^2/NDF: 69.7/40

All: -185.738+/-74.437 χ^2/NDF: 121.1/82

- 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: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

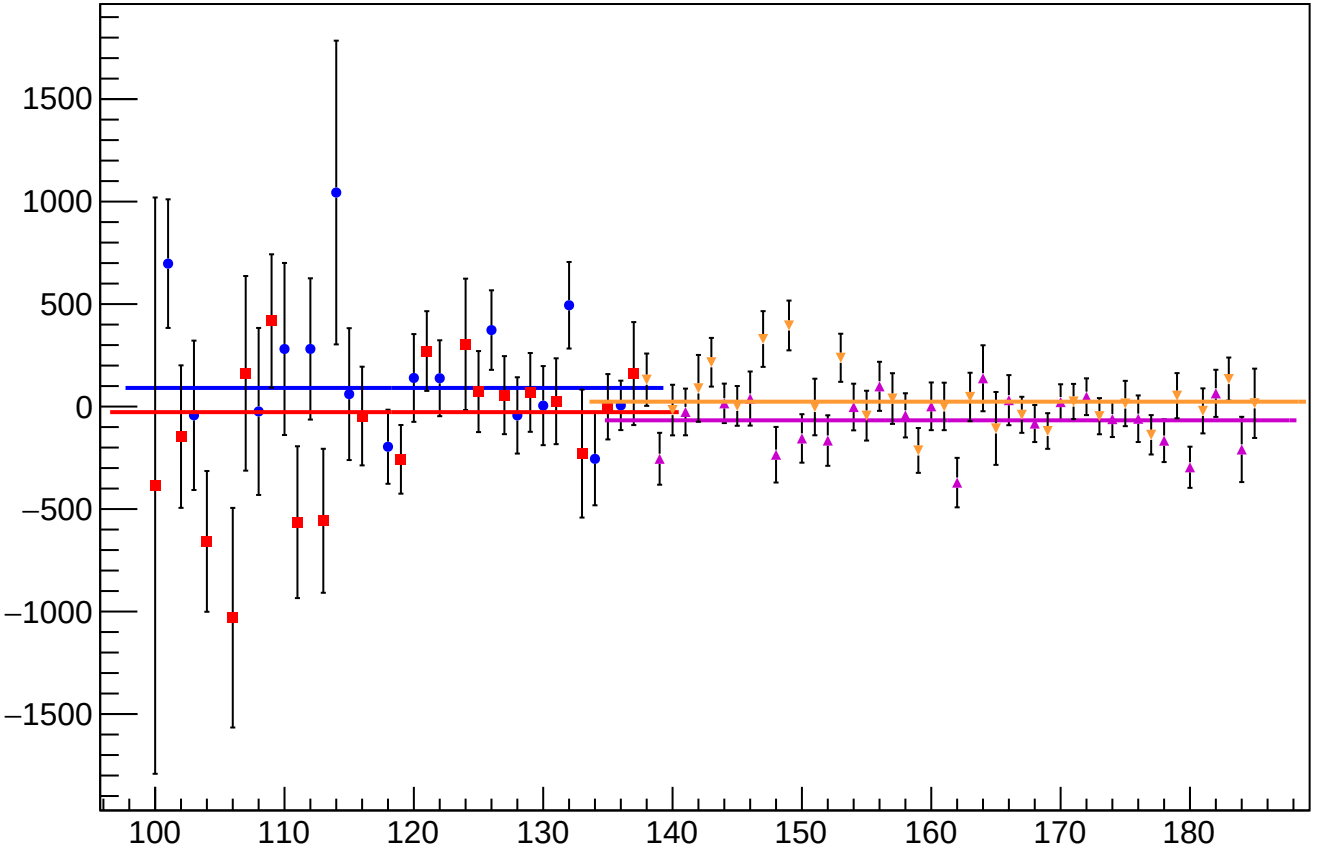
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 482.185+/-0.074 χ^2/NDF: 9934925.4/40

All: 482.211+/-0.053 χ^2/NDF: 20143599.6/82

- 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: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

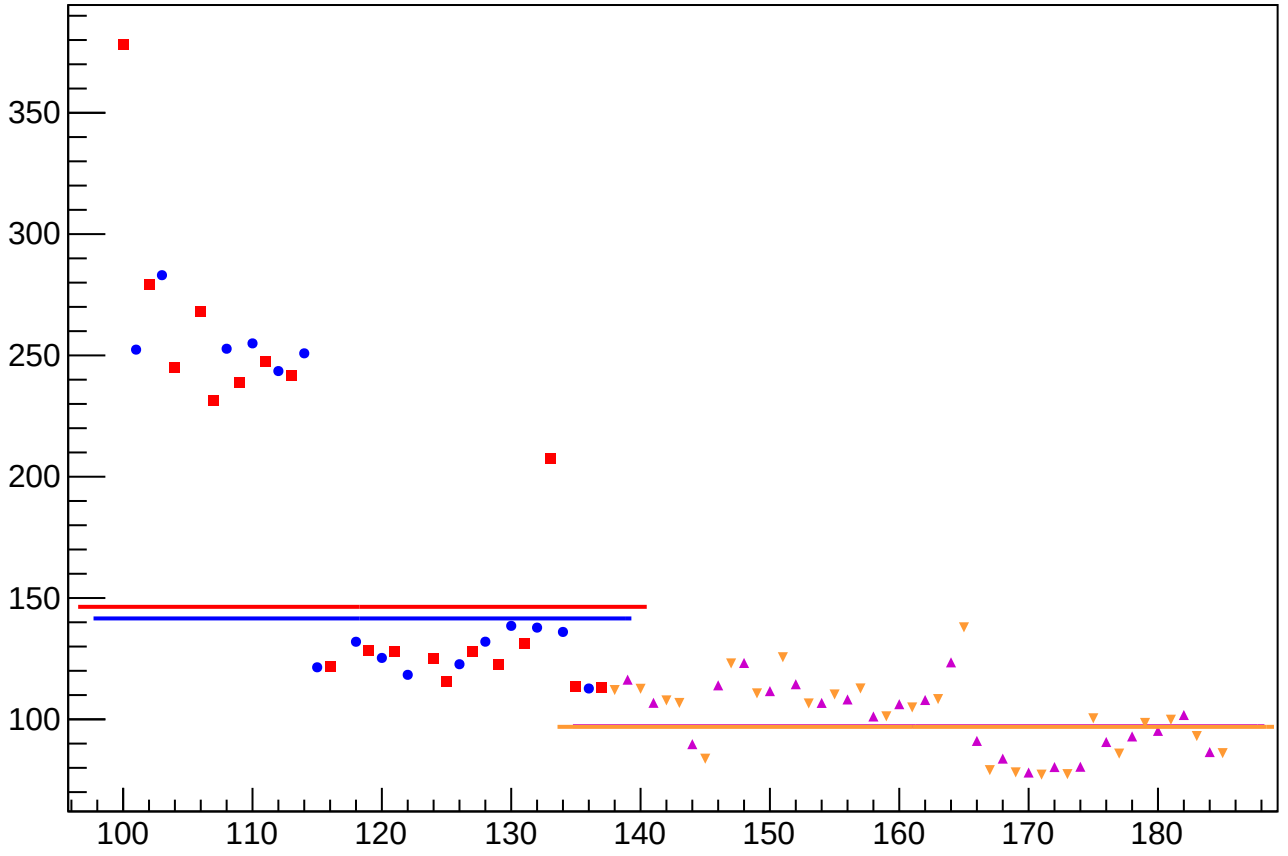
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 33.254+/-20.787 χ^2/NDF: 54.5/40

All: -12.662+/-14.919 χ^2/NDF: 114.2/82

- 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: 96.907+/-0.016 χ^2/NDF:933979.3/24

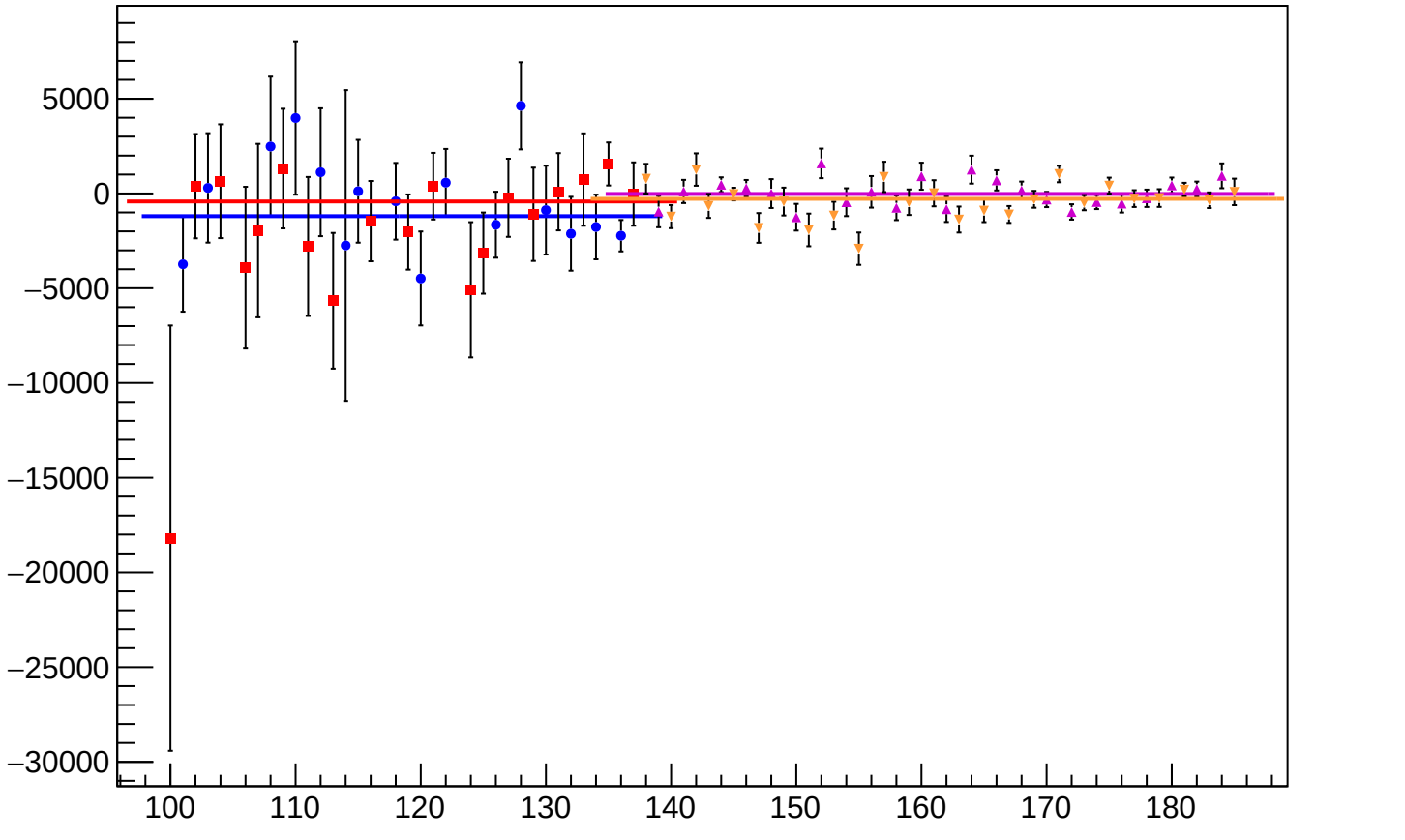
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 103.160+/-0.015 χ^2/NDF: 3308446.4/40

All: 103.624+/-0.011 χ^2/NDF: 6777708.2/82

- 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: -282.421+/-106.394 χ^2/NDF:50.4/24

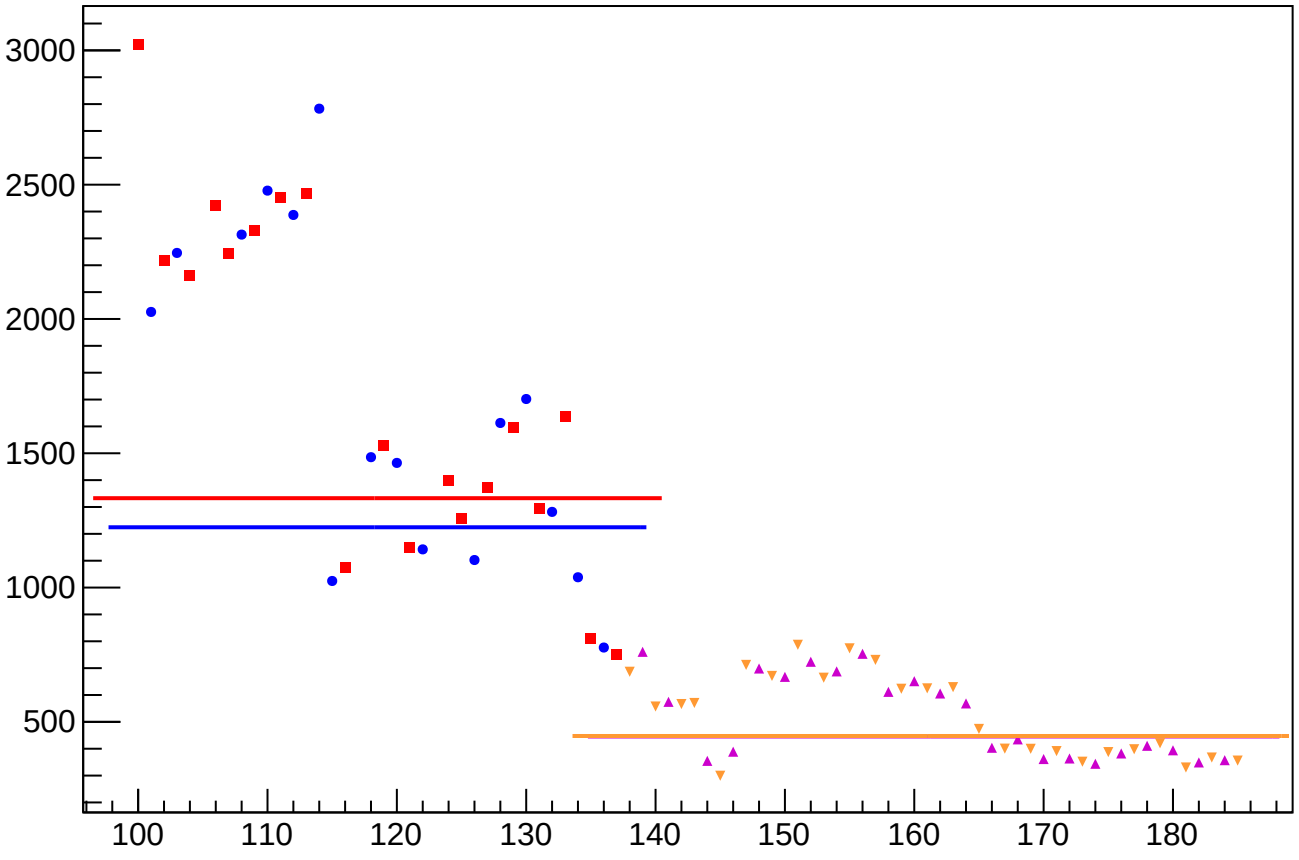
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -323.362+/-103.985 χ^2/NDF: 69.7/40

All: -185.738+/-74.437 χ^2/NDF: 121.1/82

- sign -41.090+/-106.605 χ^2/NDF: 47.8/41



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

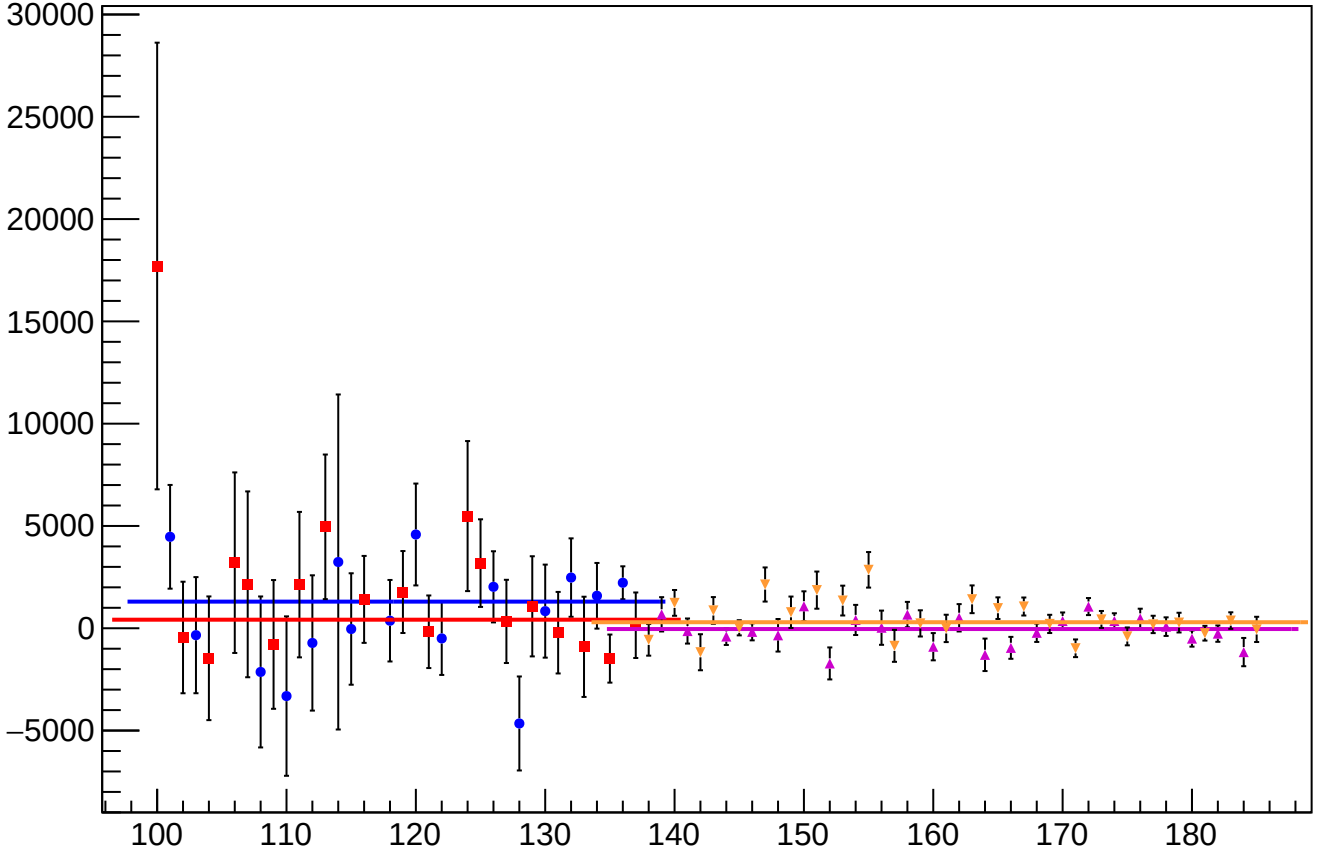
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 482.184+/-0.074 χ^2/NDF: 9934936.8/40

All: 482.211+/-0.053 χ^2/NDF: 20143610.8/82

- 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: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

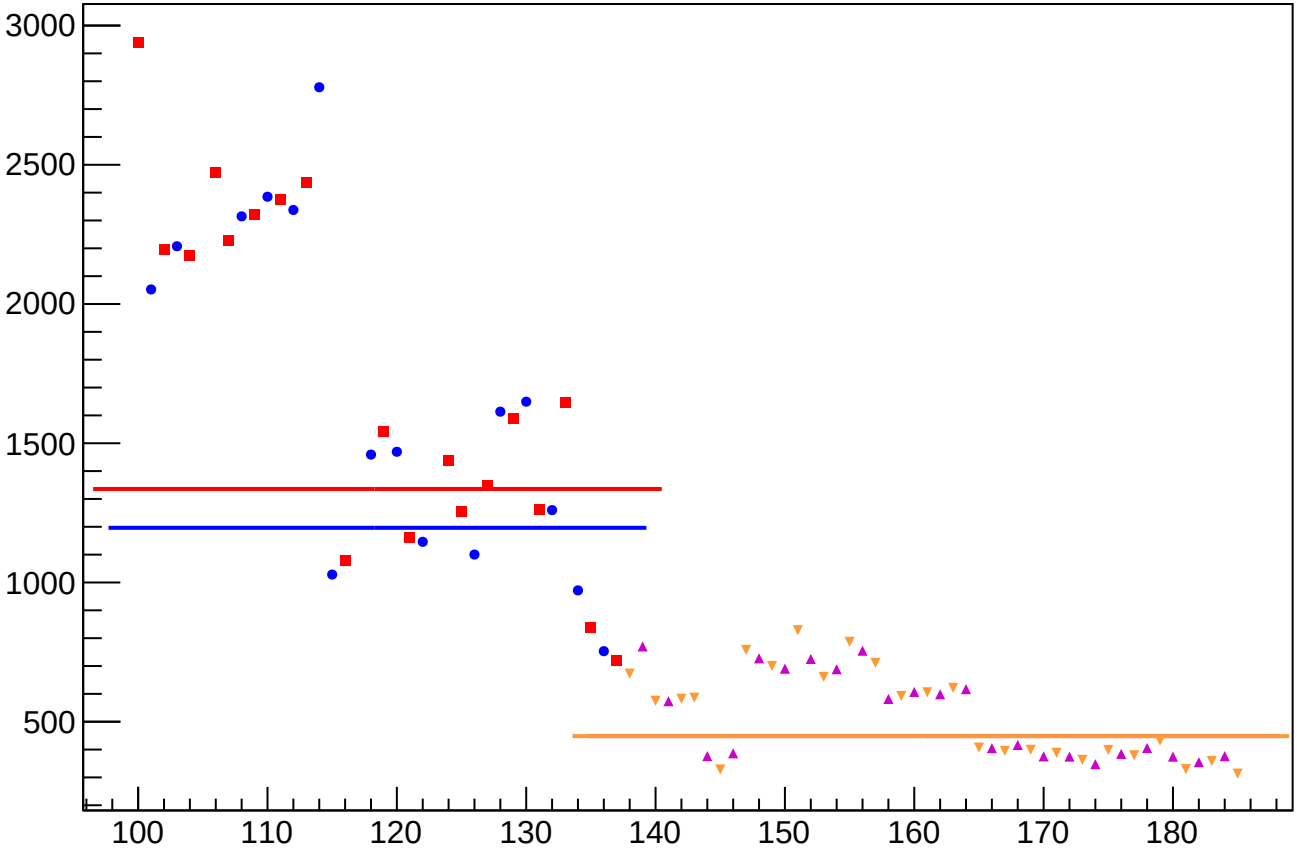
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 342.131+/-104.280 χ^2/NDF: 71.1/40

All: 166.188+/-74.686 χ^2/NDF: 123.7/82

- 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: 448.278+/-0.076 χ^2/NDF:3156909.8/24

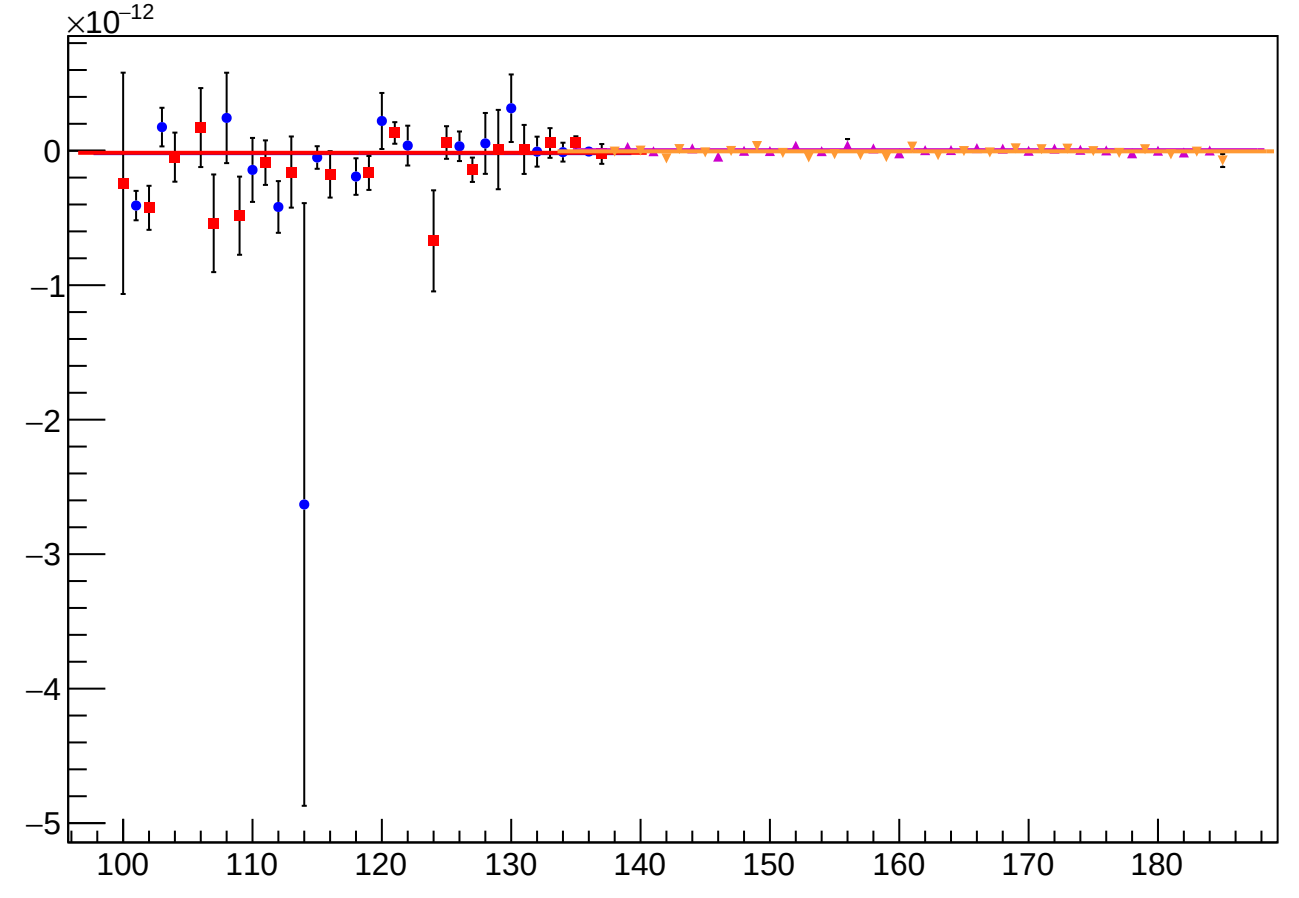
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 483.299+/-0.074 χ^2/NDF: 9781421.3/40

All: 484.292+/-0.053 χ^2/NDF: 19840565.8/82

- 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:23.2/24

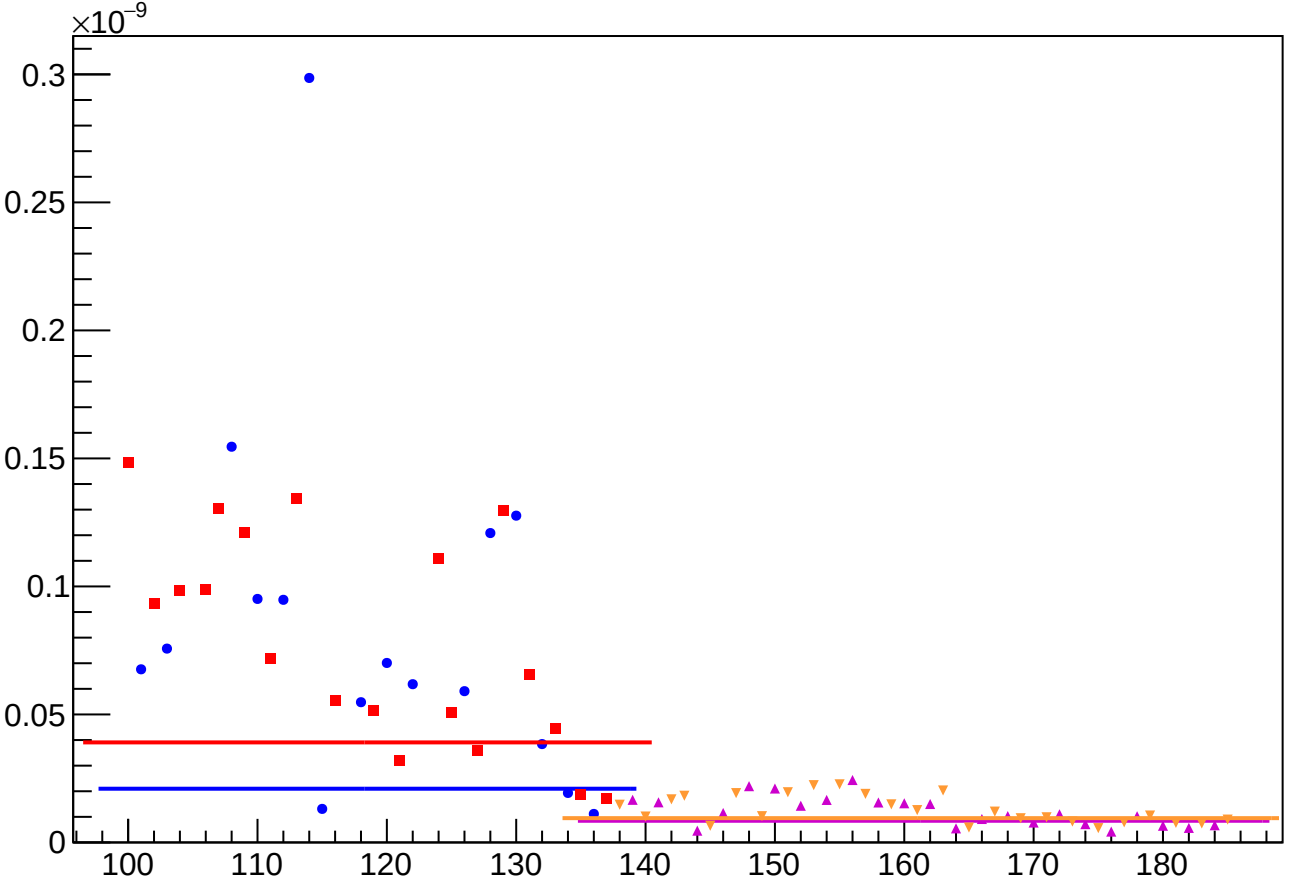
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/40

All: -0.000+/-0.000 χ^2/NDF: 96.0/82

- 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:2422094.9/24

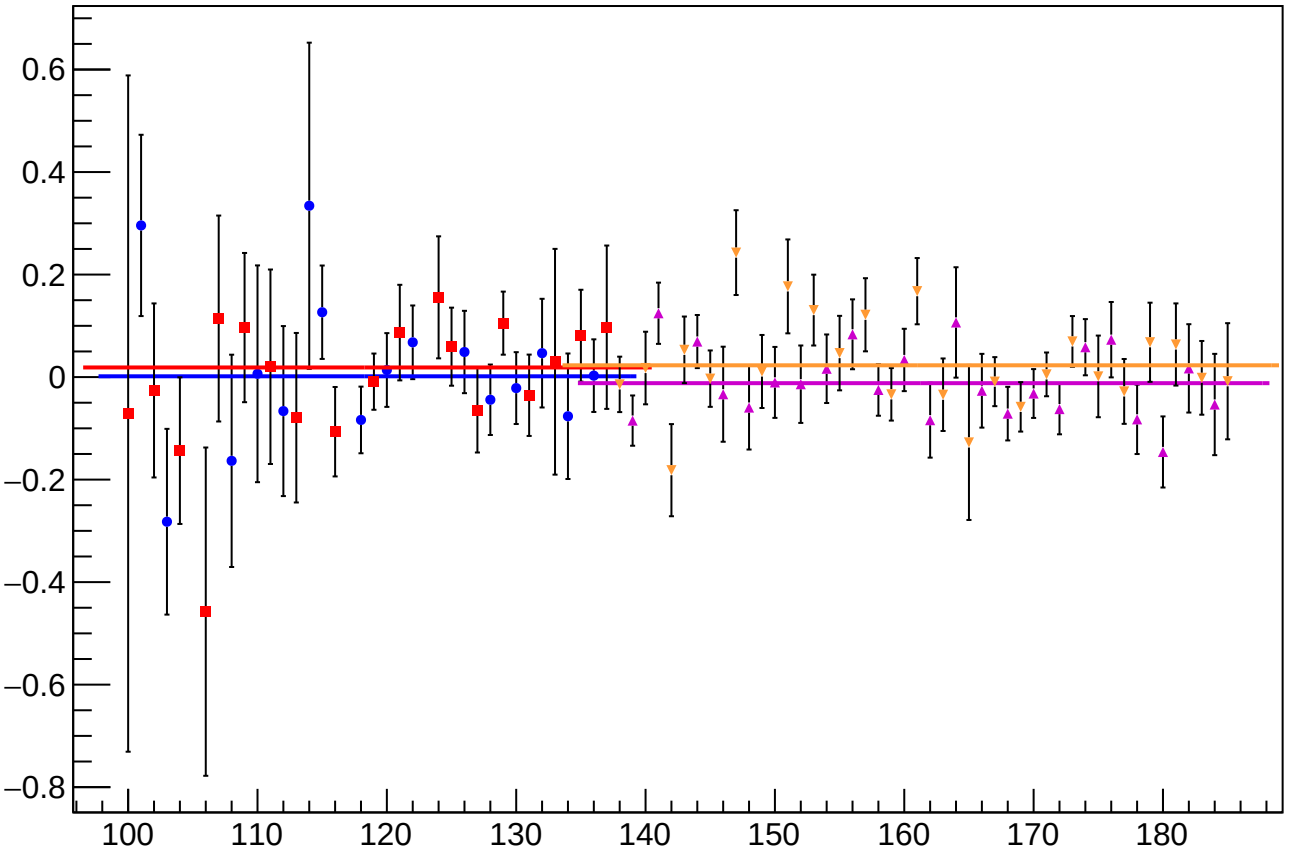
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6598121.3/40

All: 0.000+/-0.000 χ^2/NDF: 13896697.7/82

- 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:34.2/24

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

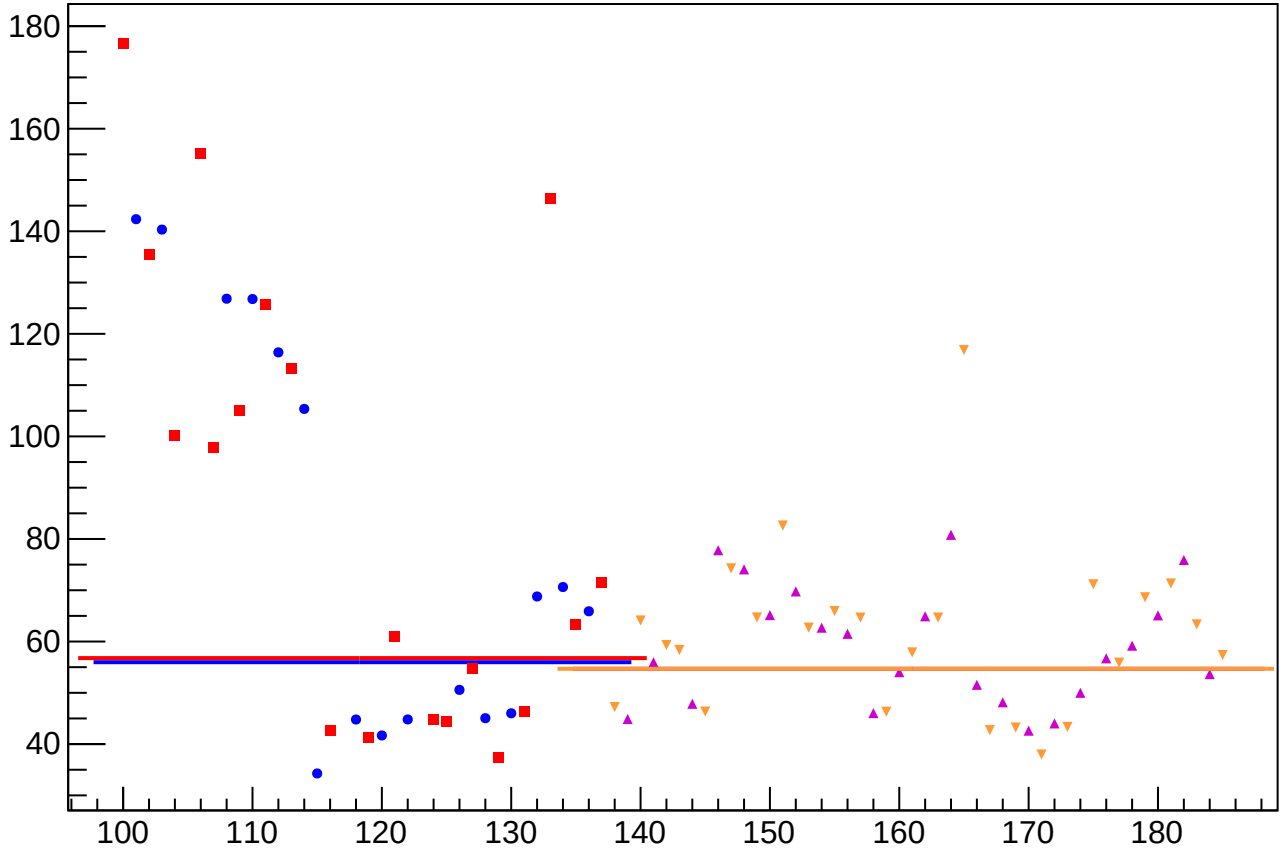
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/40

All: 0.007+/-0.008 χ^2/NDF: 90.1/82

- 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: 54.686+/-0.009 χ^2/NDF:1936559.5/24

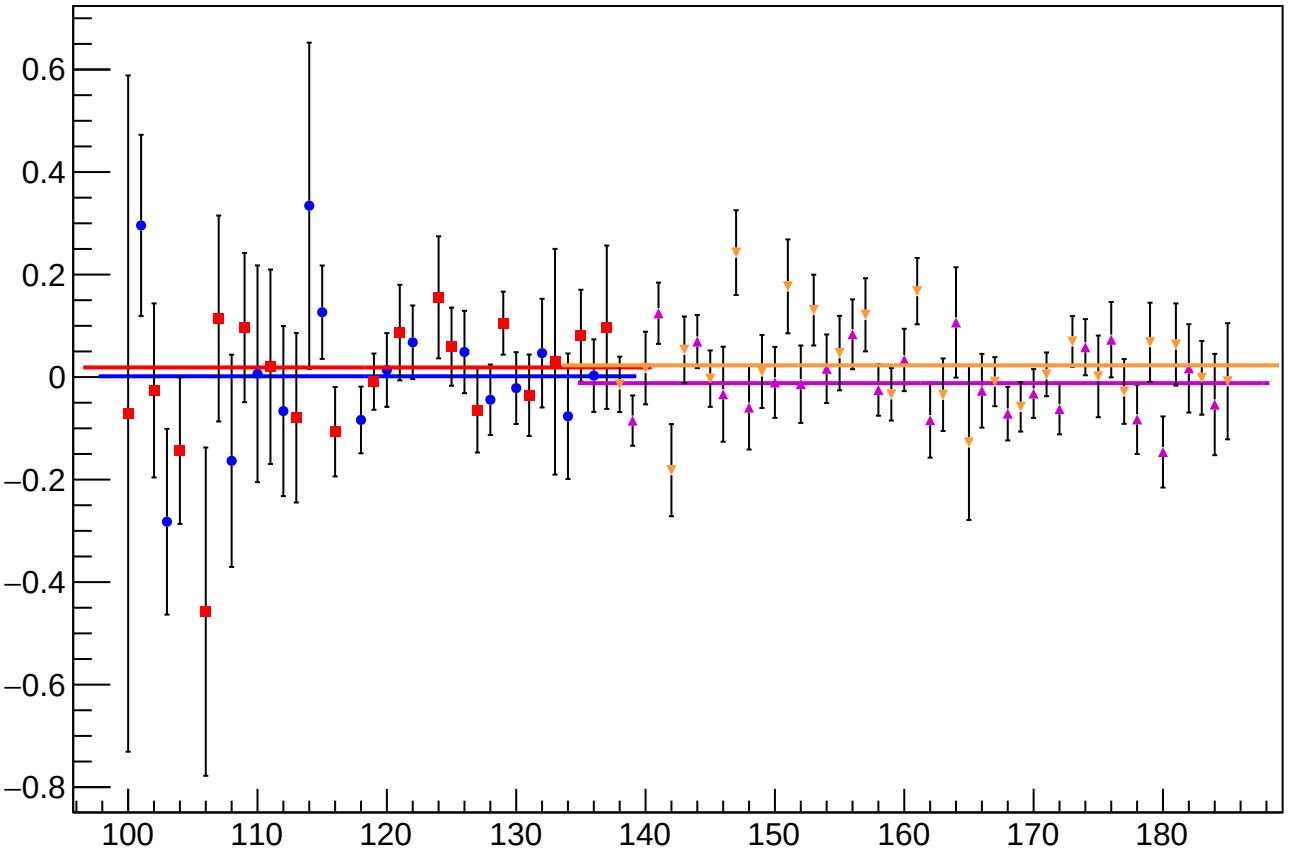
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 54.986+/-0.008 χ^2/NDF: 4120985.3/40

All: 55.086+/-0.006 χ^2/NDF: 7877214.3/82

- 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:34.2/24

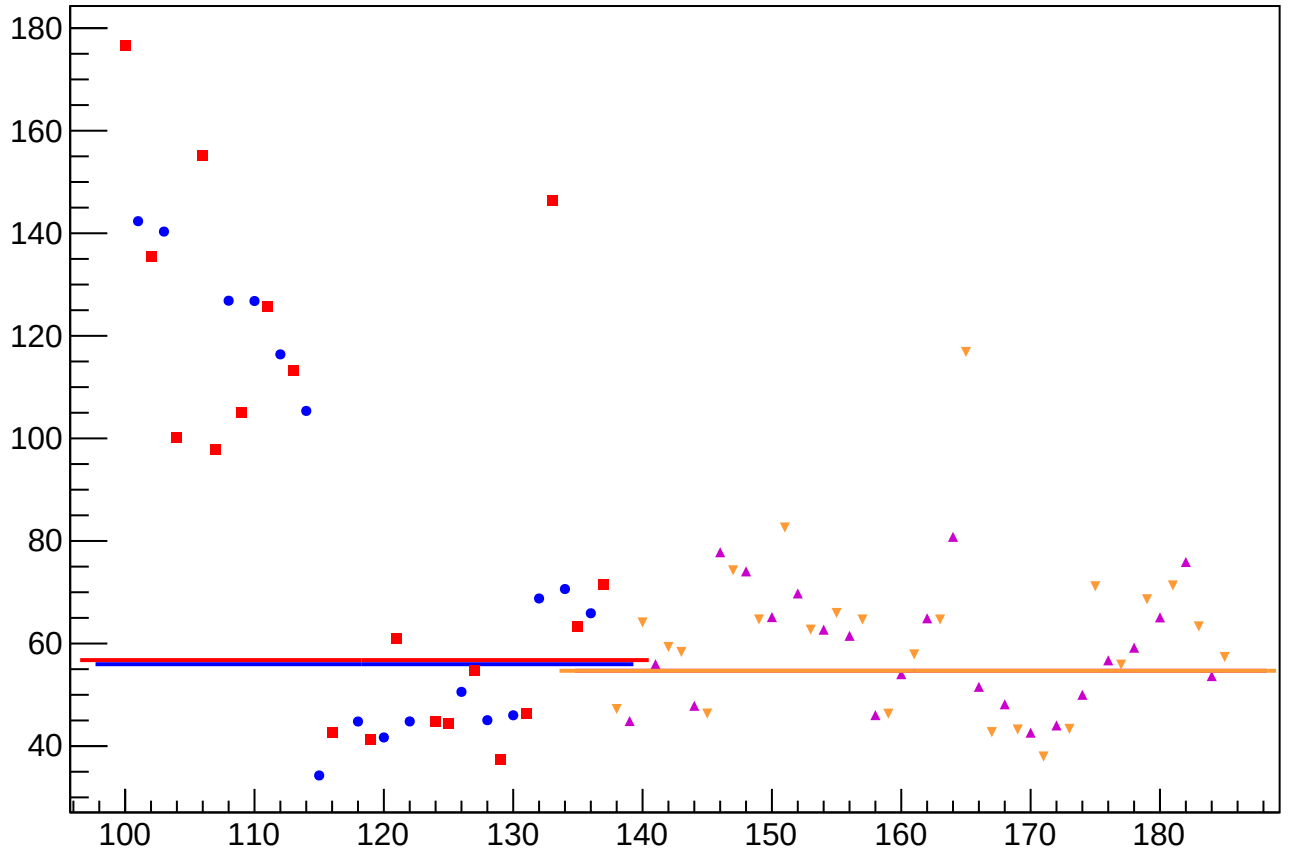
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/40

All: 0.007+/-0.008 χ^2/NDF: 90.1/82

- 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: 54.686+/-0.009 χ^2/NDF:1936559.5/24

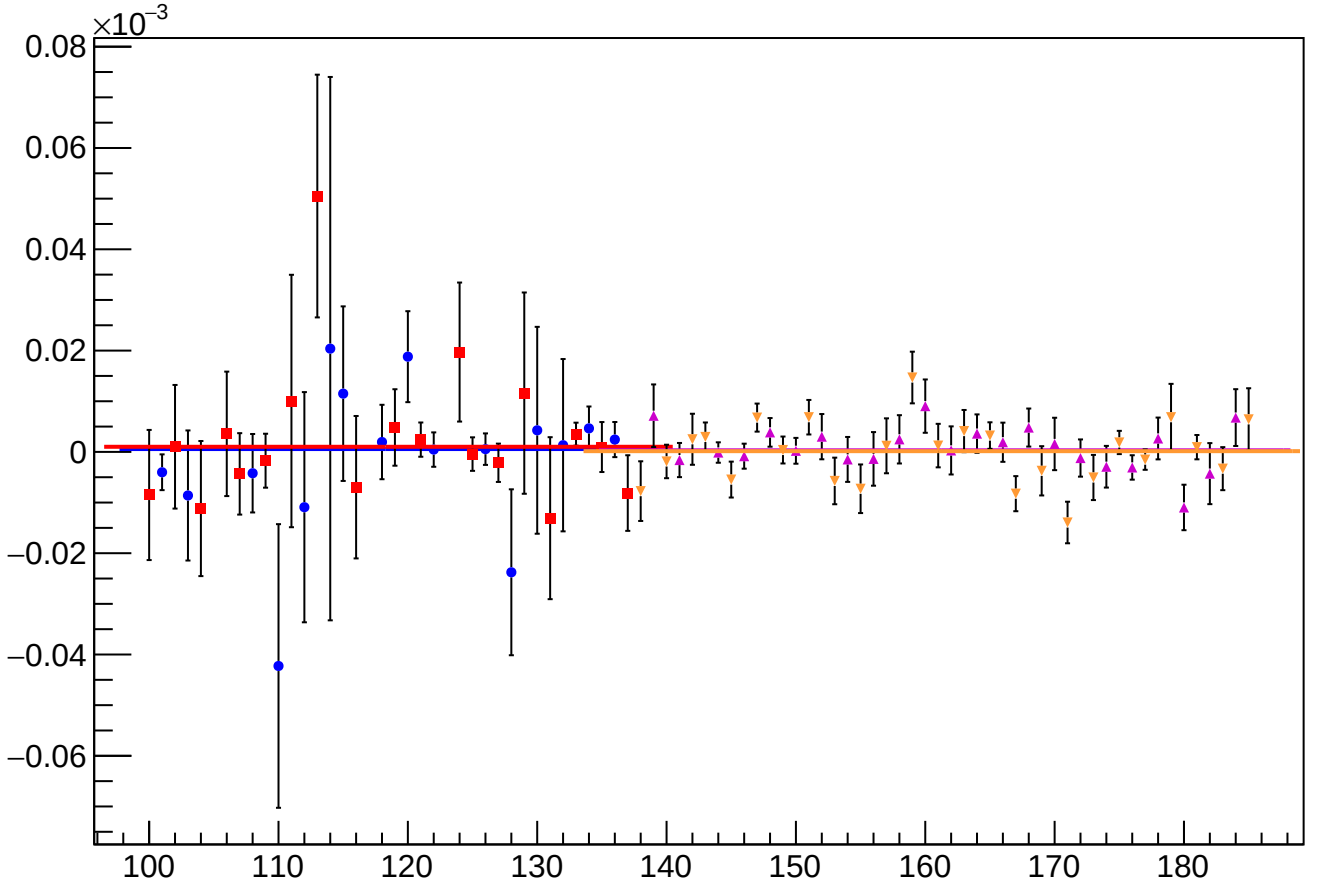
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 54.986+/-0.008 χ^2/NDF: 4120985.3/40

All: 55.086+/-0.006 χ^2/NDF: 7877214.3/82

- sign 55.190+/-0.008 χ^2/NDF: 3755908.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

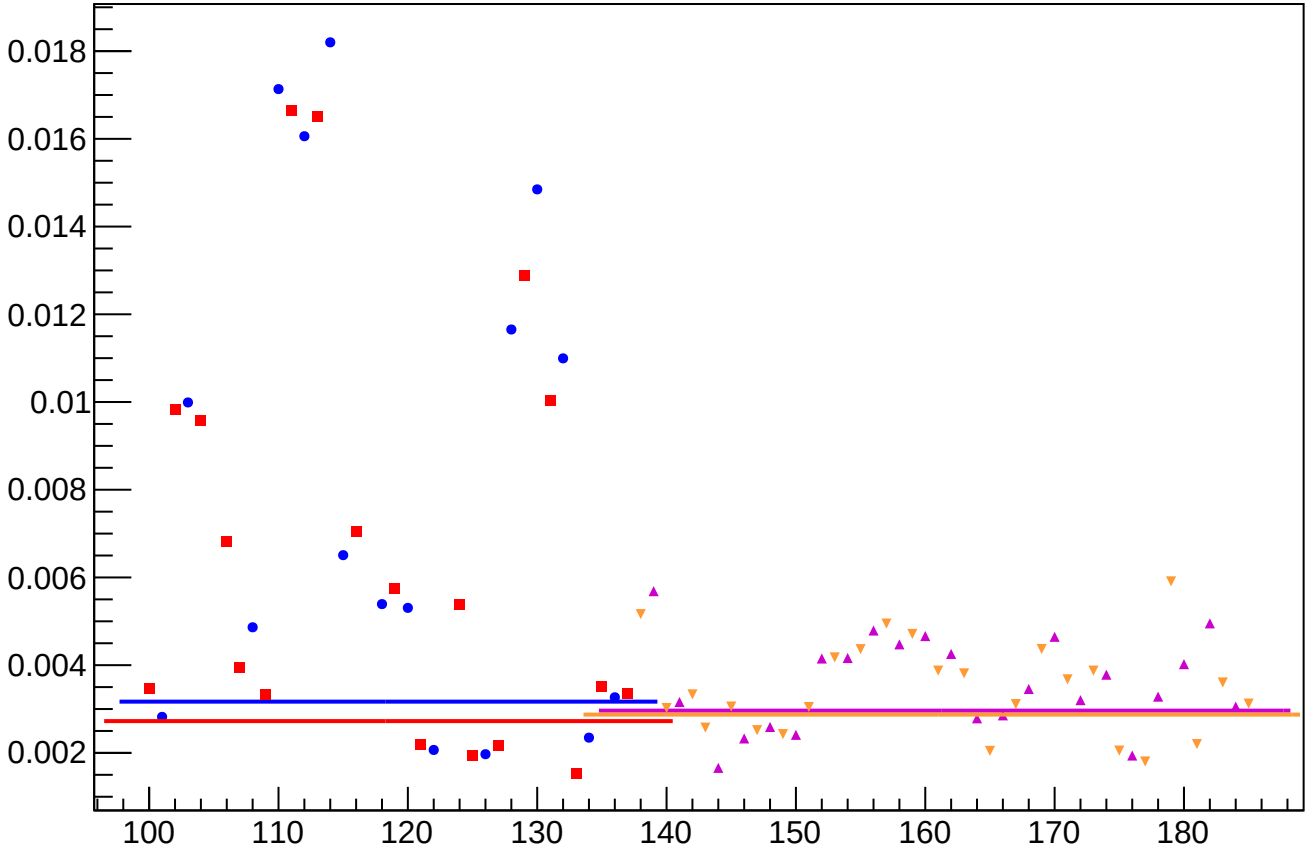
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.1/40

All: 0.000+/-0.000 χ^2/NDF: 101.9/82

- sign 0.000+/-0.000 χ^2/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:3602368.5/24

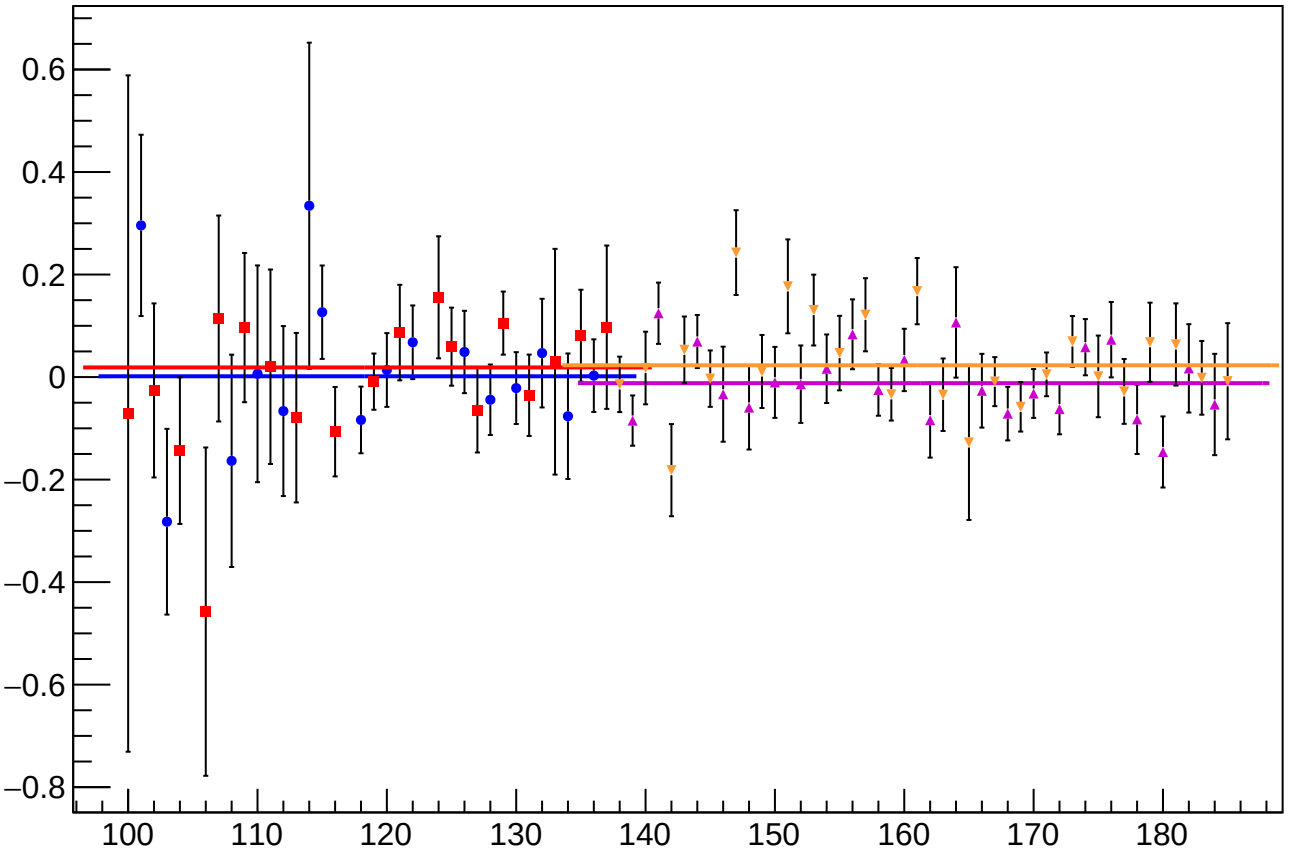
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8215866.8/40

All: 0.003+/-0.000 χ^2/NDF: 17042085.9/82

- 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:34.2/24

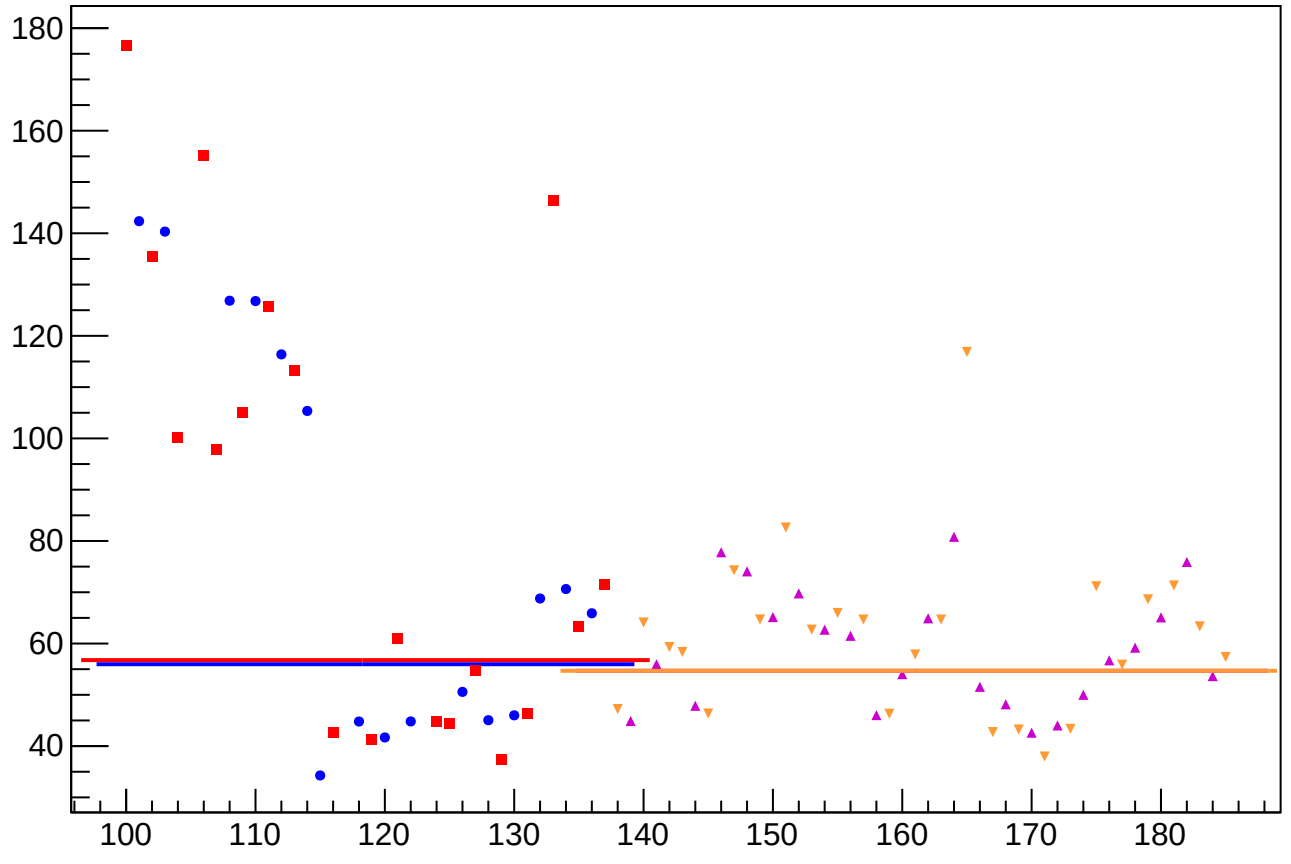
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/40

All: 0.007+/-0.008 χ^2/NDF: 90.1/82

- 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: 54.686+/-0.009 χ^2/NDF:1936555.1/24

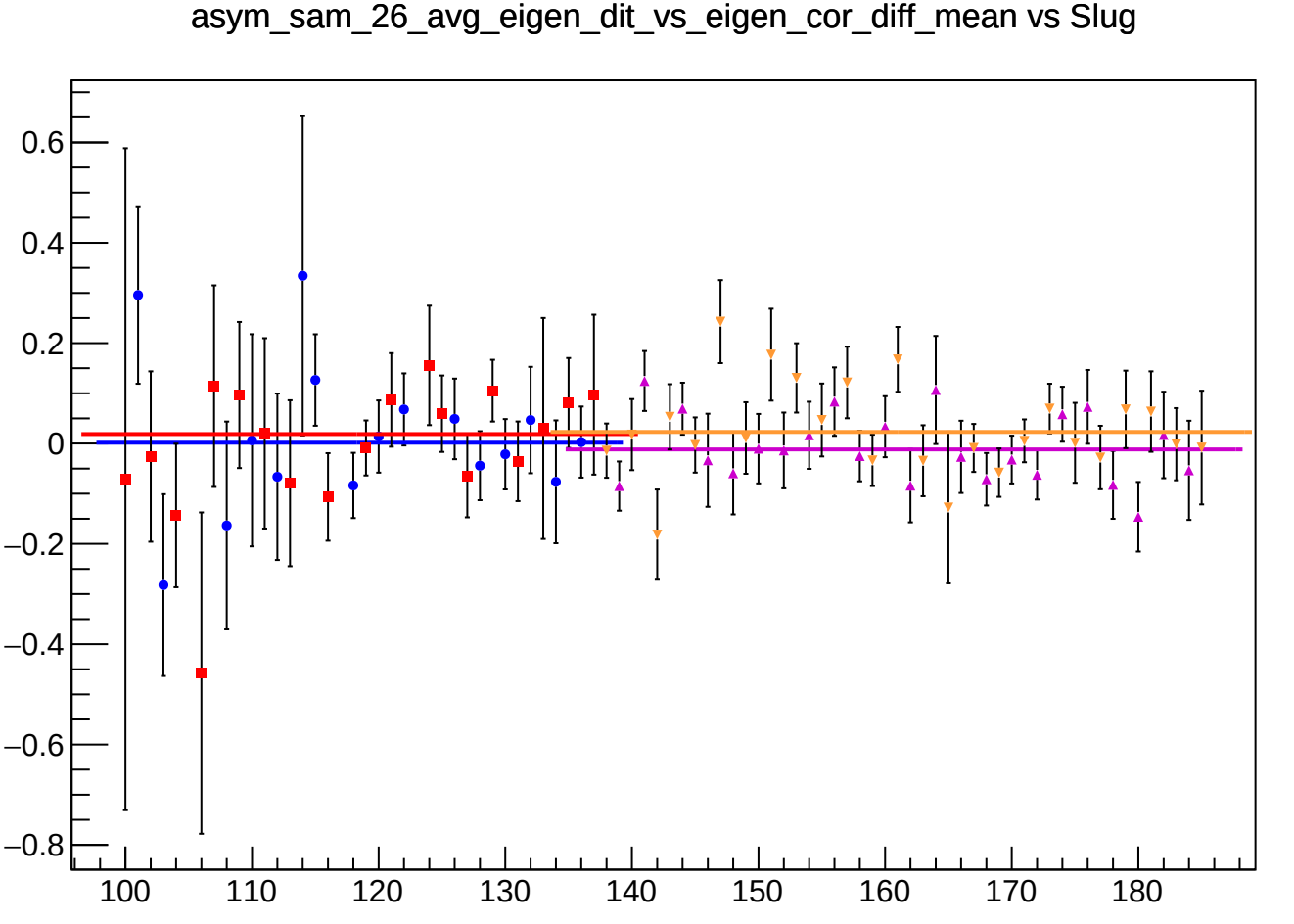
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 54.986+/-0.008 χ^2/NDF: 4120903.7/40

All: 55.086+/-0.006 χ^2/NDF: 7877033.4/82

- 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:34.2/24

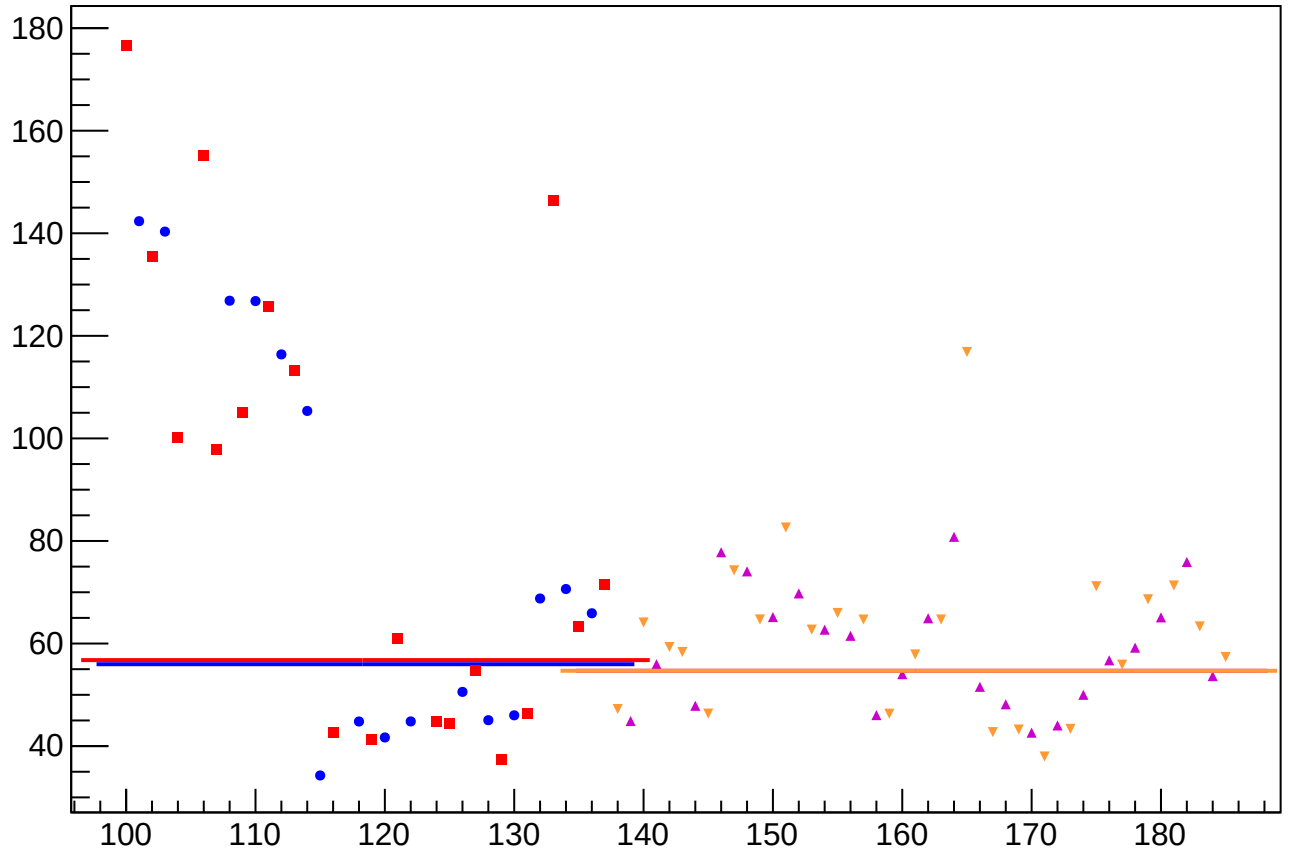
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/40

All: 0.007+/-0.008 χ^2/NDF: 90.1/82

- 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: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

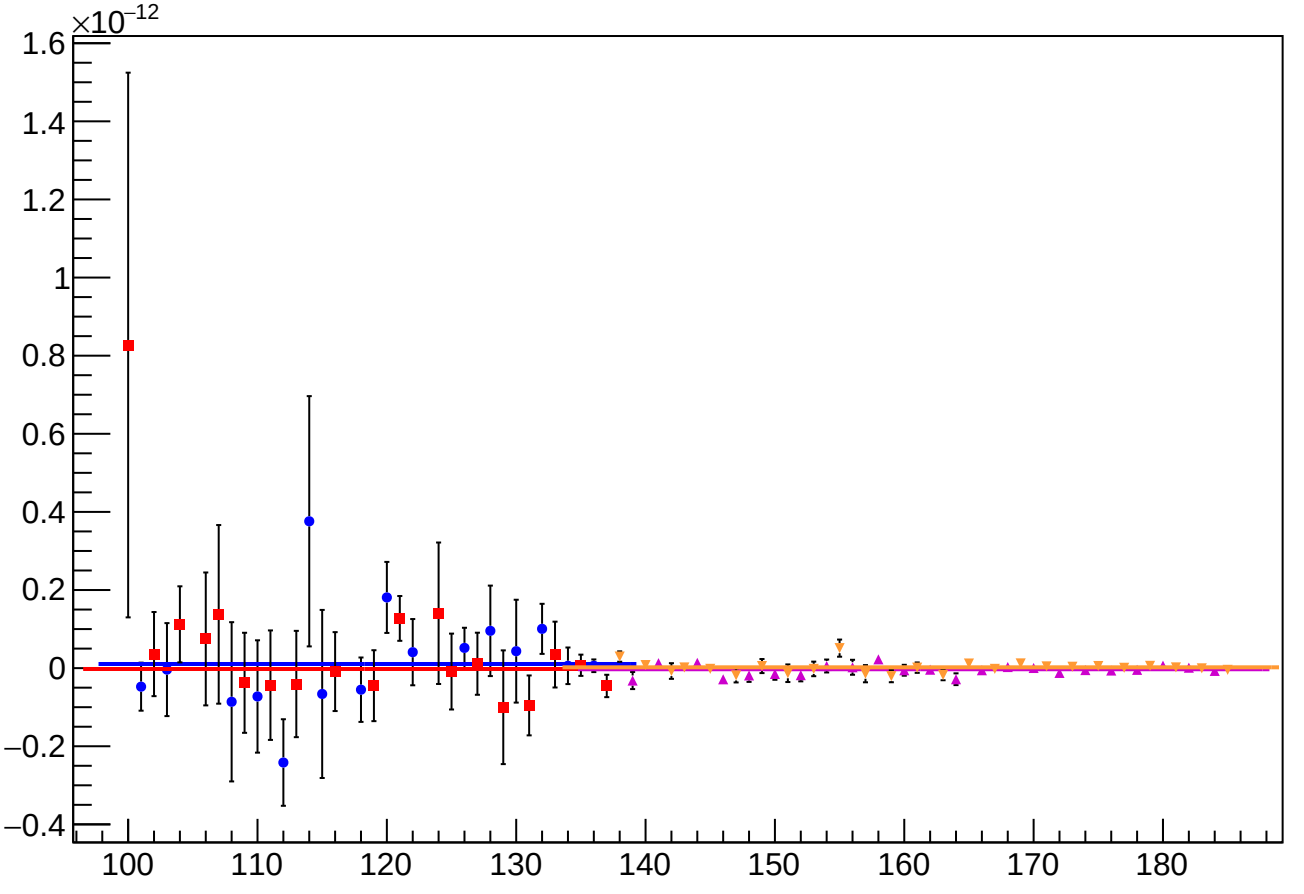
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 54.986+/-0.008 χ^2/NDF: 4120903.7/40

All: 55.086+/-0.006 χ^2/NDF: 7877033.4/82

- sign 55.191+/-0.008 χ^2/NDF: 3755808.5/41

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

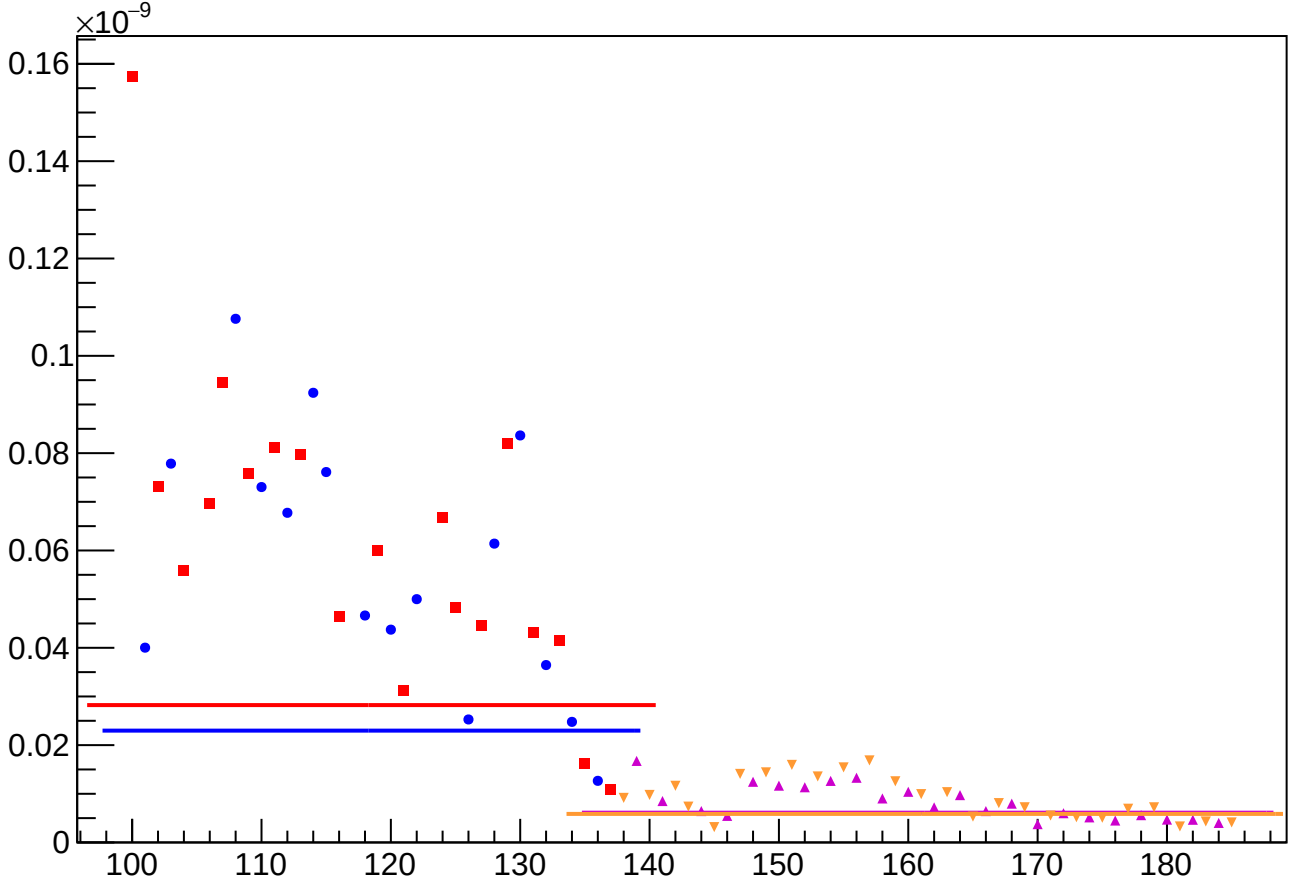
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/40

All: -0.000+/-0.000 χ^2/NDF: 87.9/82

- 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:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

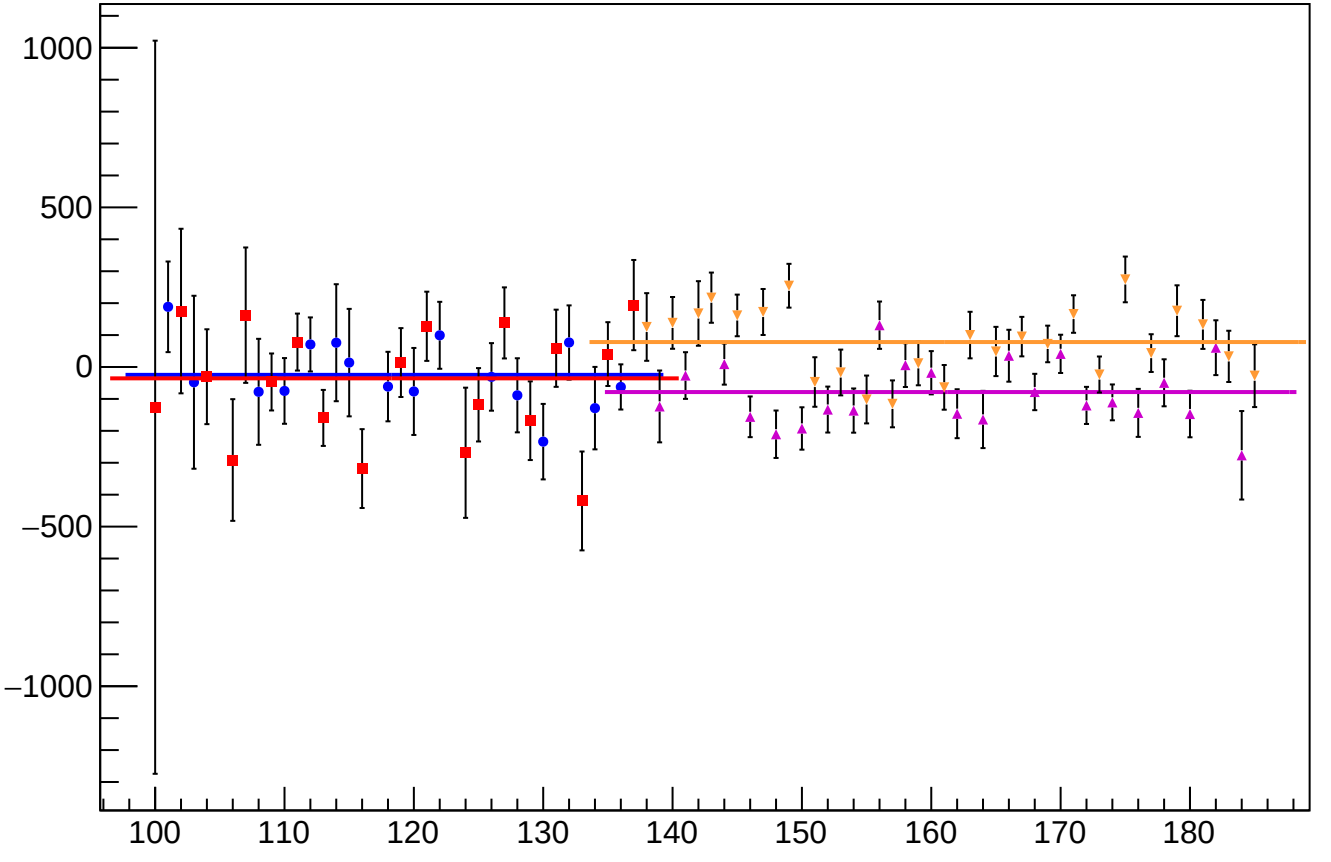
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12690240.1/40

All: 0.000+/-0.000 χ^2/NDF: 23841505.0/82

- 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: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

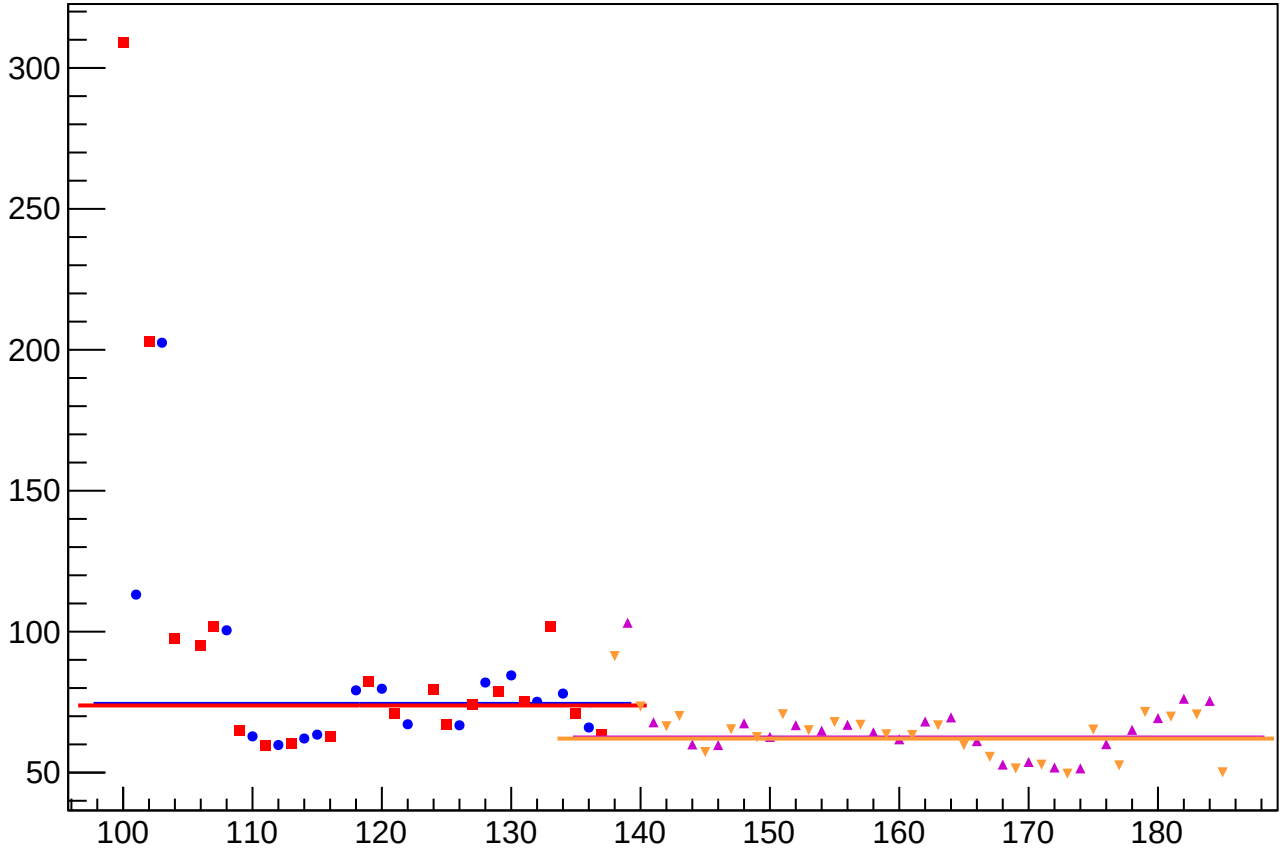
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.898+/-12.836 χ^2/NDF: 75.1/40

All: -4.251+/-9.181 χ^2/NDF: 191.6/82

- 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: 62.063+/-0.010 χ^2/NDF:686530.2/24

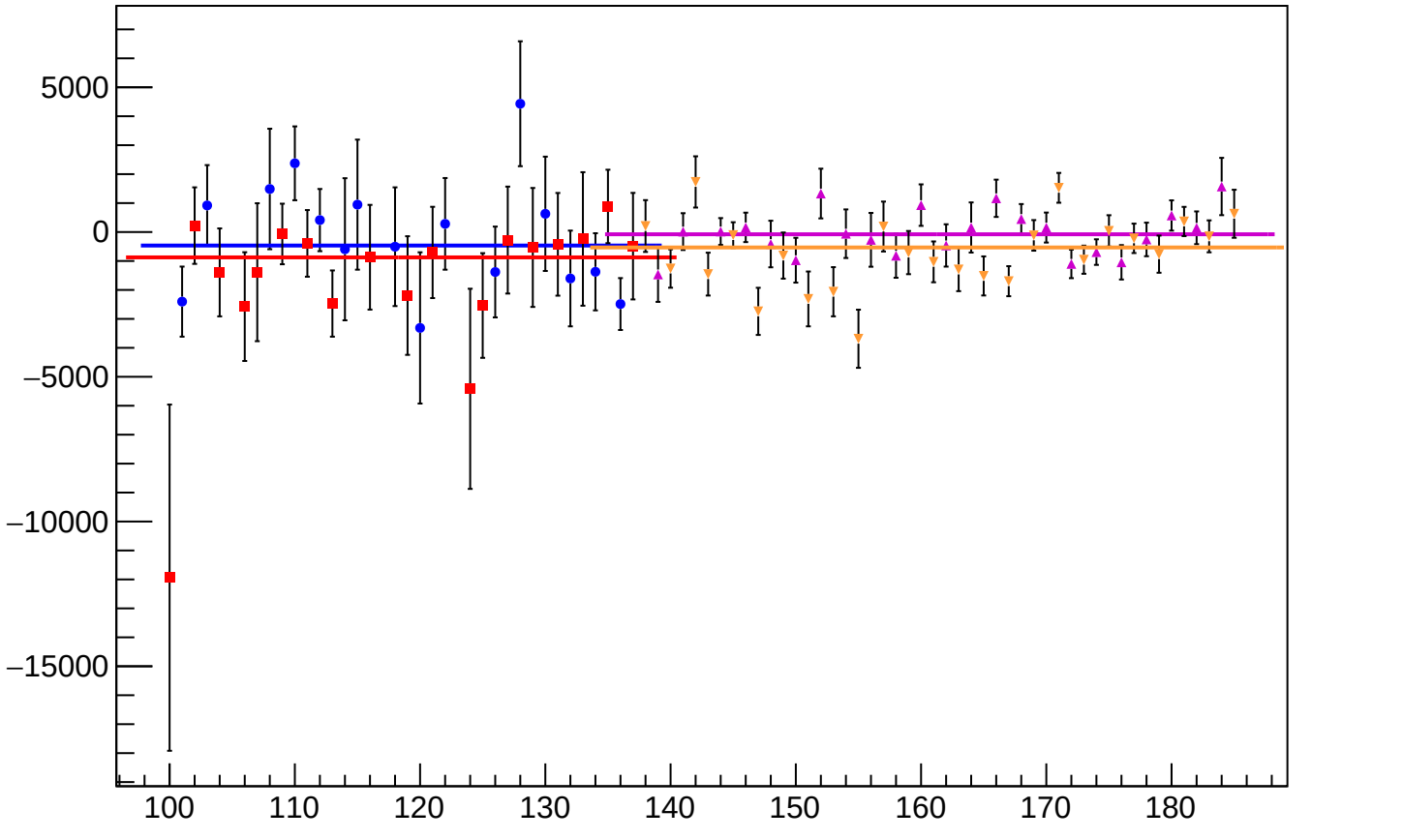
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.488+/-0.009 χ^2/NDF: 1805032.0/40

All: 64.674+/-0.006 χ^2/NDF: 3653735.5/82

- sign 64.869+/-0.009 χ^2/NDF: 1847844.2/41



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

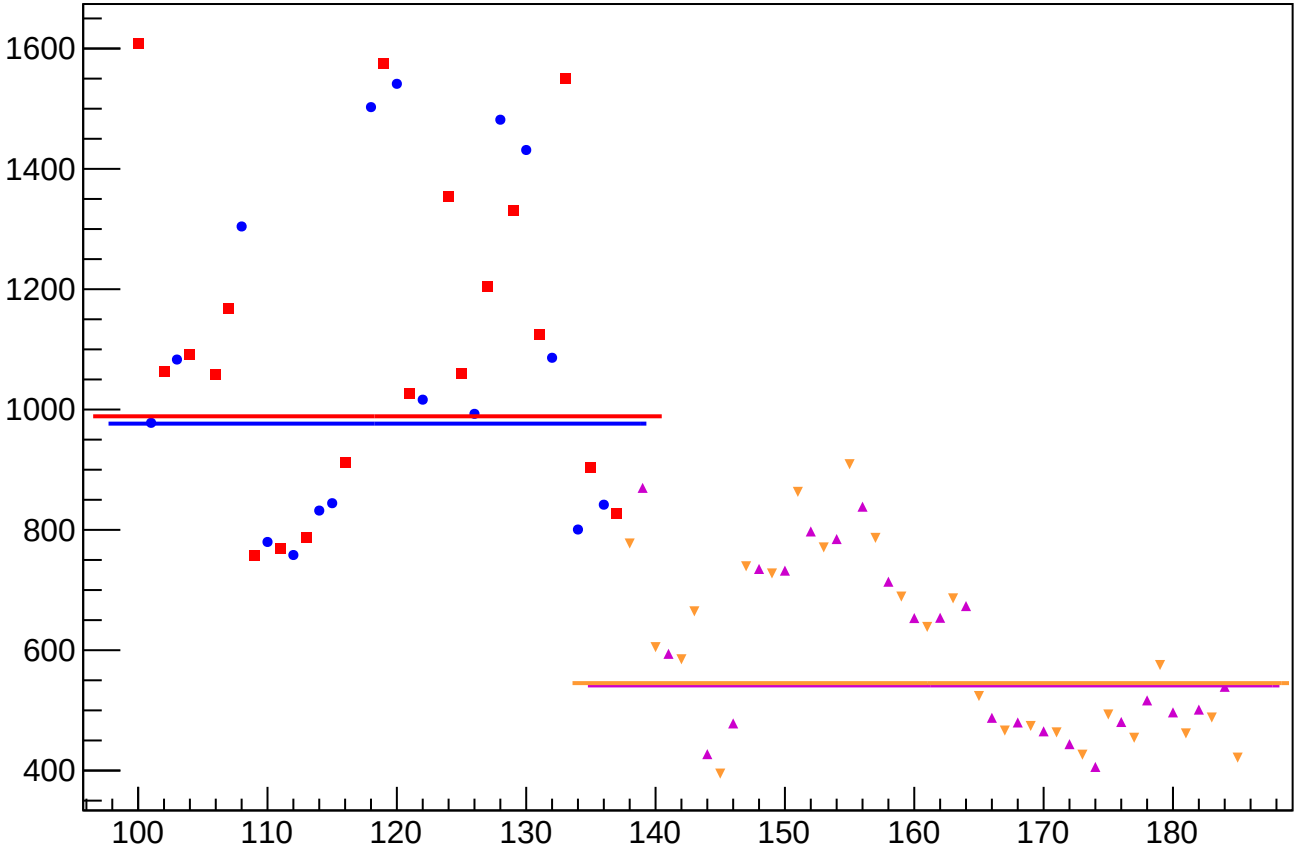
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -525.873+/-121.076 χ^2/NDF: 92.8/40

All: -348.038+/-86.285 χ^2/NDF: 142.7/82

- 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: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

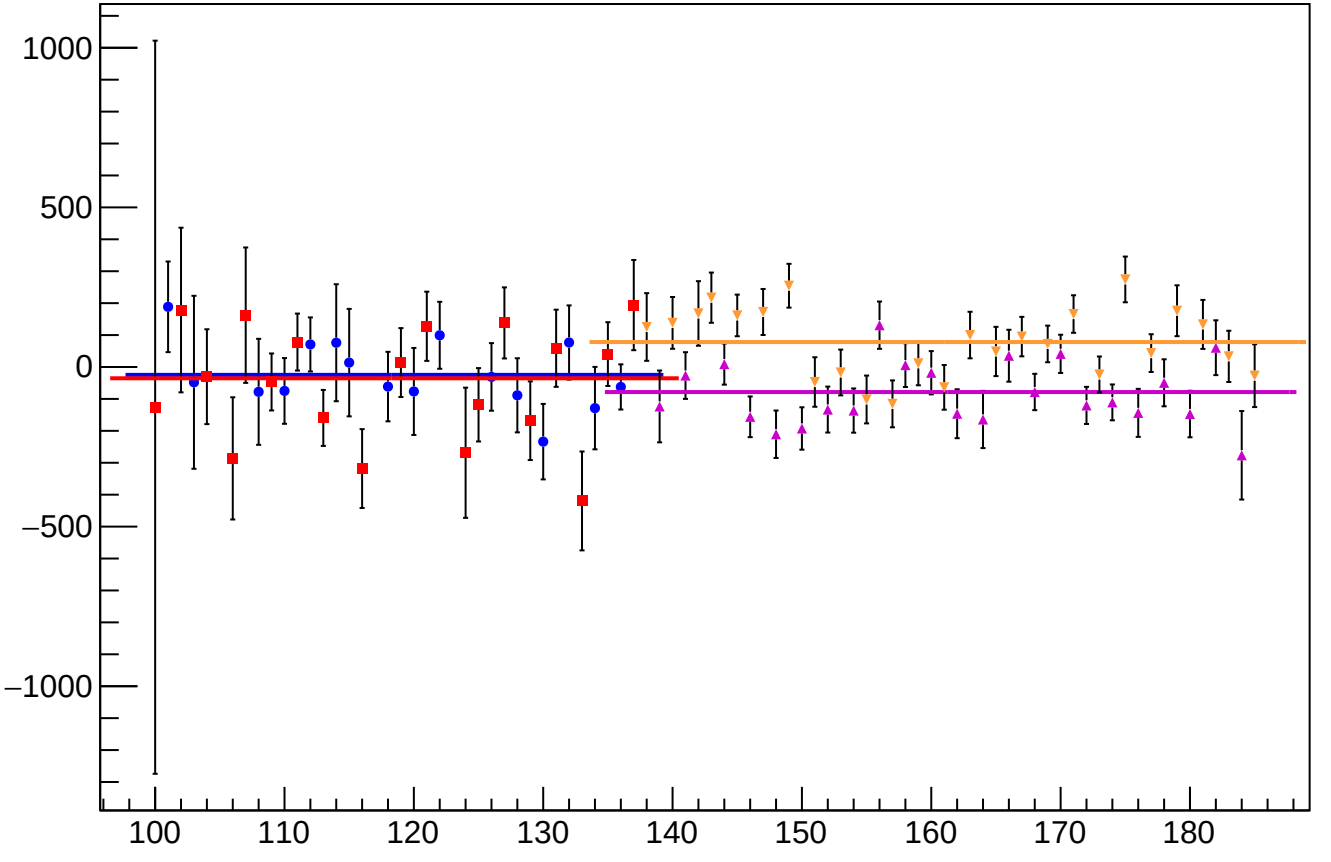
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 590.256+/-0.086 χ^2/NDF: 5189542.2/40

All: 590.275+/-0.061 χ^2/NDF: 10318260.1/82

- 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: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

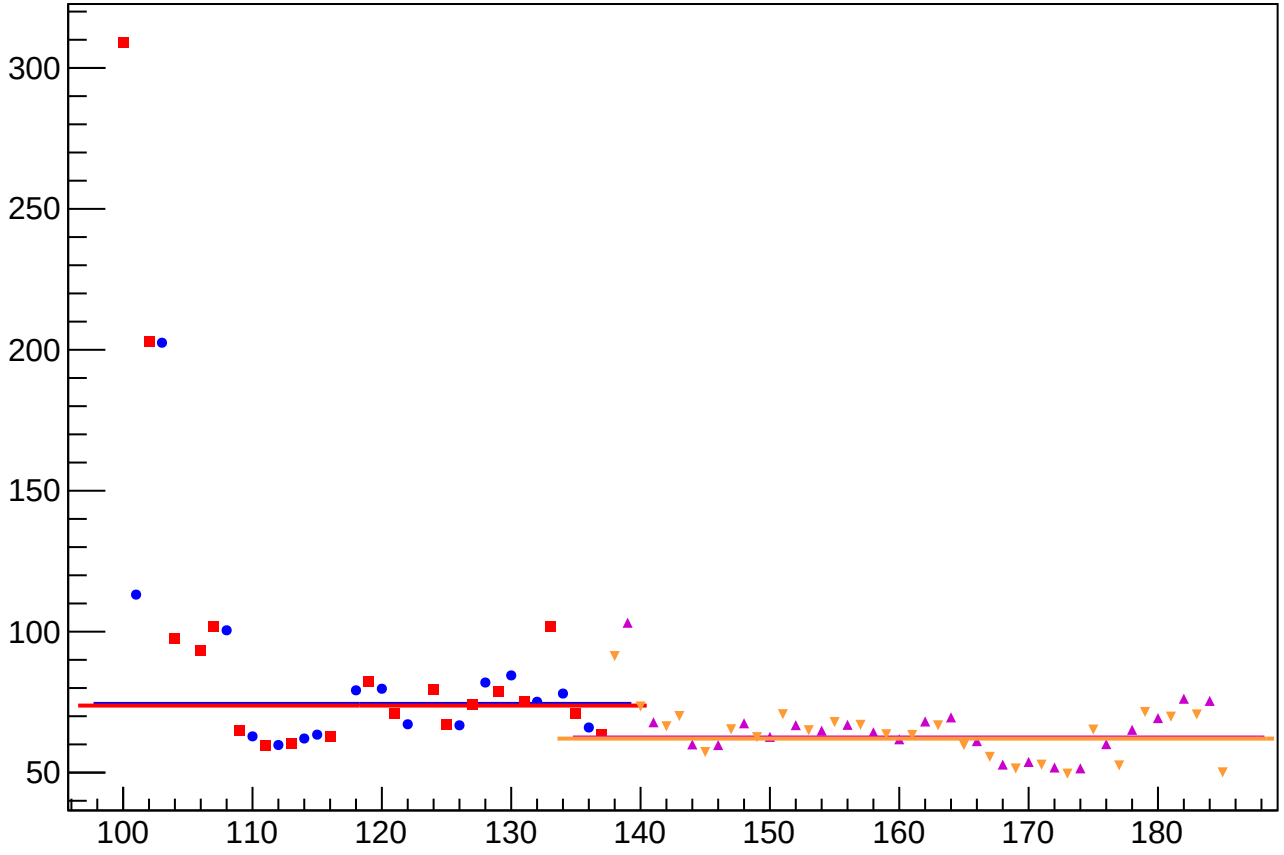
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.899+/-12.836 χ^2/NDF: 75.1/40

All: -4.229+/-9.182 χ^2/NDF: 191.5/82

- 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: 62.063+/-0.010 χ^2/NDF:686530.2/24

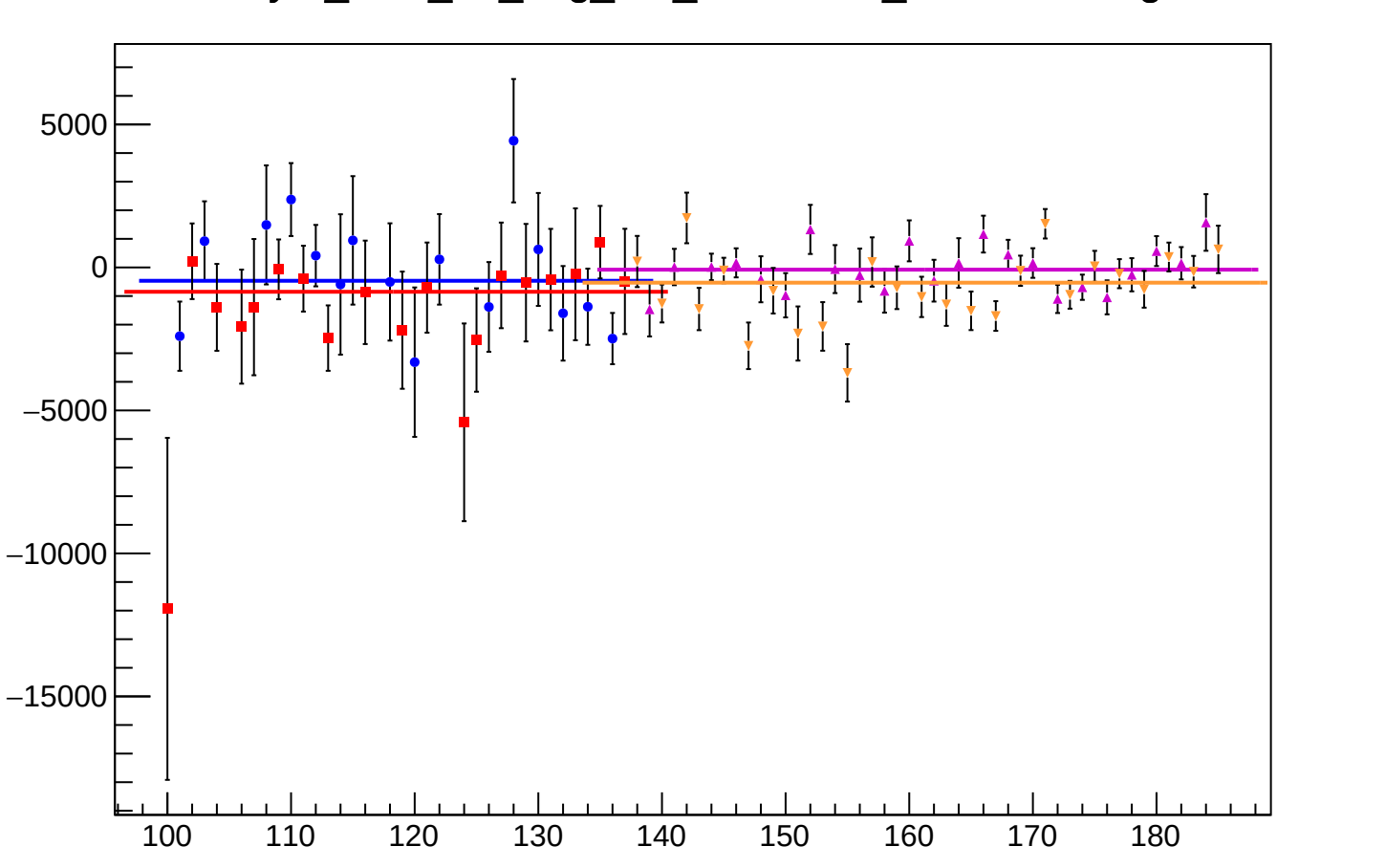
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.488+/-0.009 χ^2/NDF: 1805033.8/40

All: 64.670+/-0.006 χ^2/NDF: 3648024.3/82

- 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: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

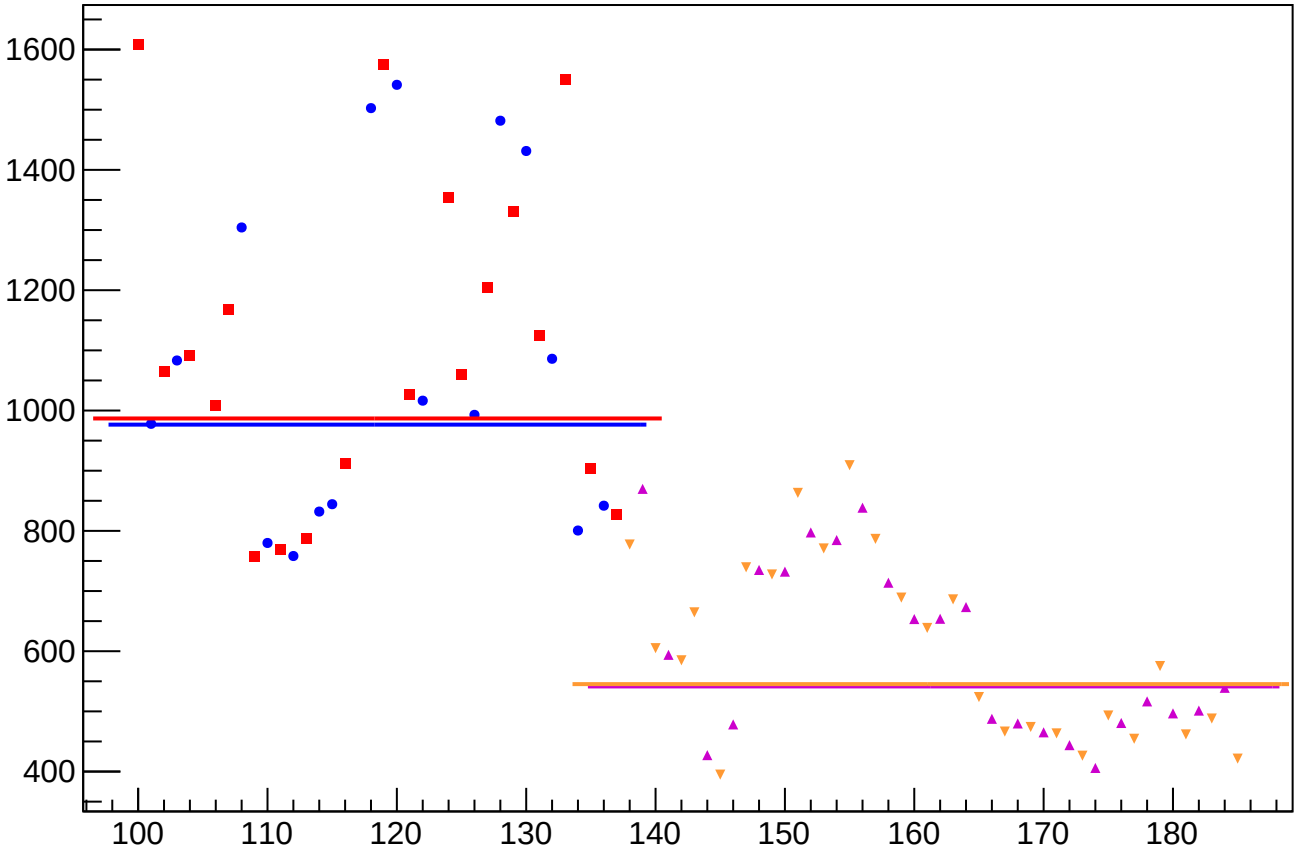
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.869+/-121.076 χ^2/NDF: 92.8/40

All: -346.591+/-86.296 χ^2/NDF: 142.1/82

- 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: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

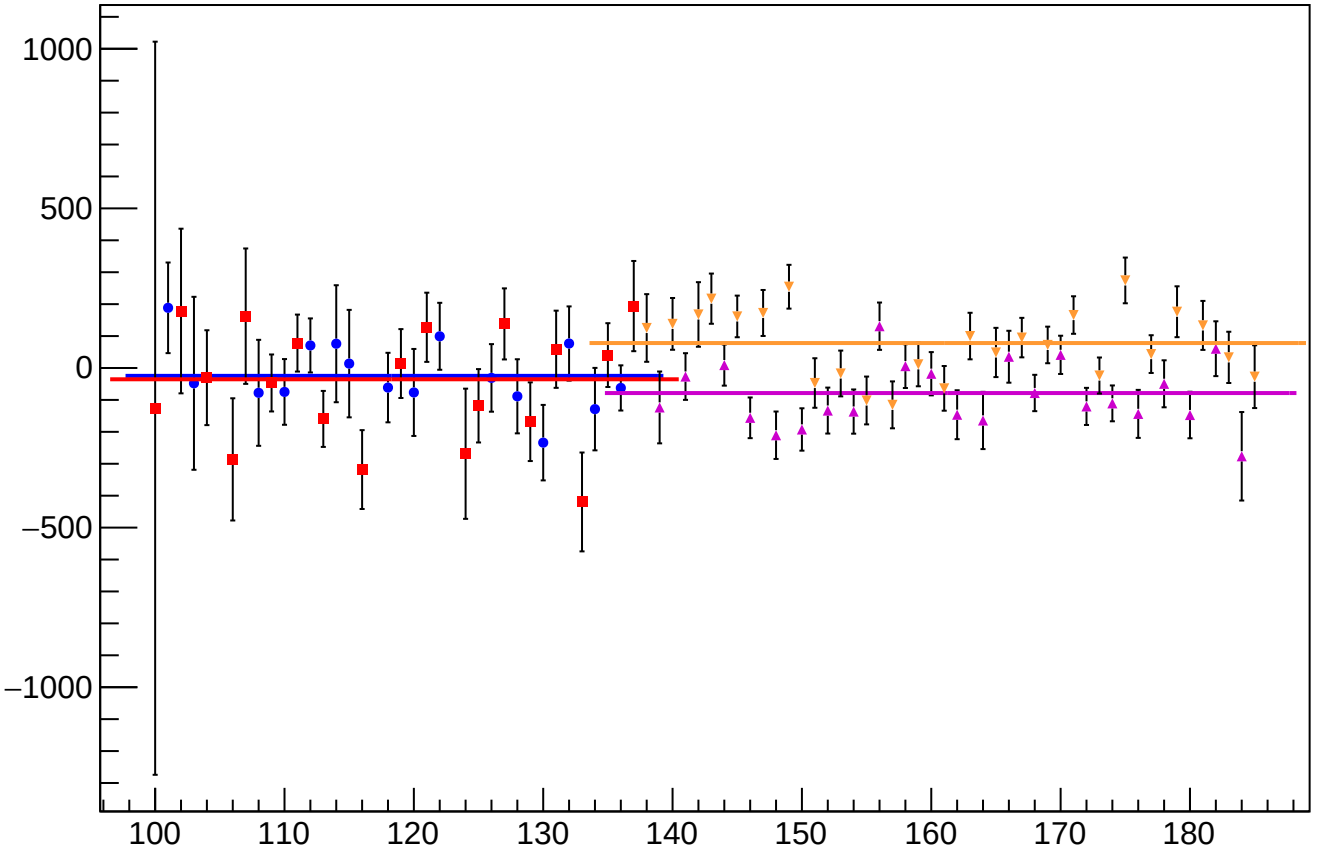
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 590.256+/-0.086 χ^2/NDF: 5189597.1/40

All: 590.074+/-0.061 χ^2/NDF: 10283283.8/82

- 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: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

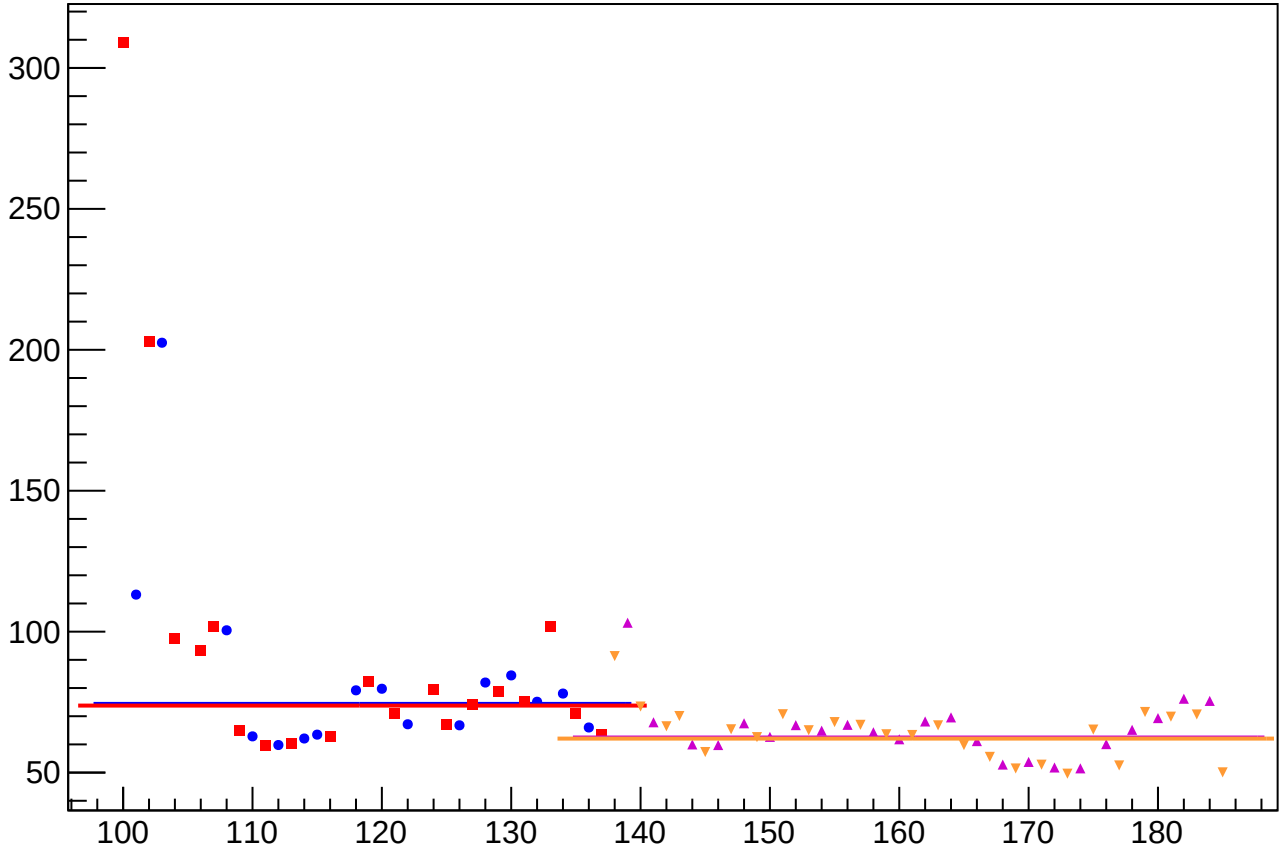
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.899+/-12.836 χ^2/NDF: 75.1/40

All: -4.229+/-9.182 χ^2/NDF: 191.5/82

- 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: 62.063+/-0.010 χ^2/NDF:686530.2/24

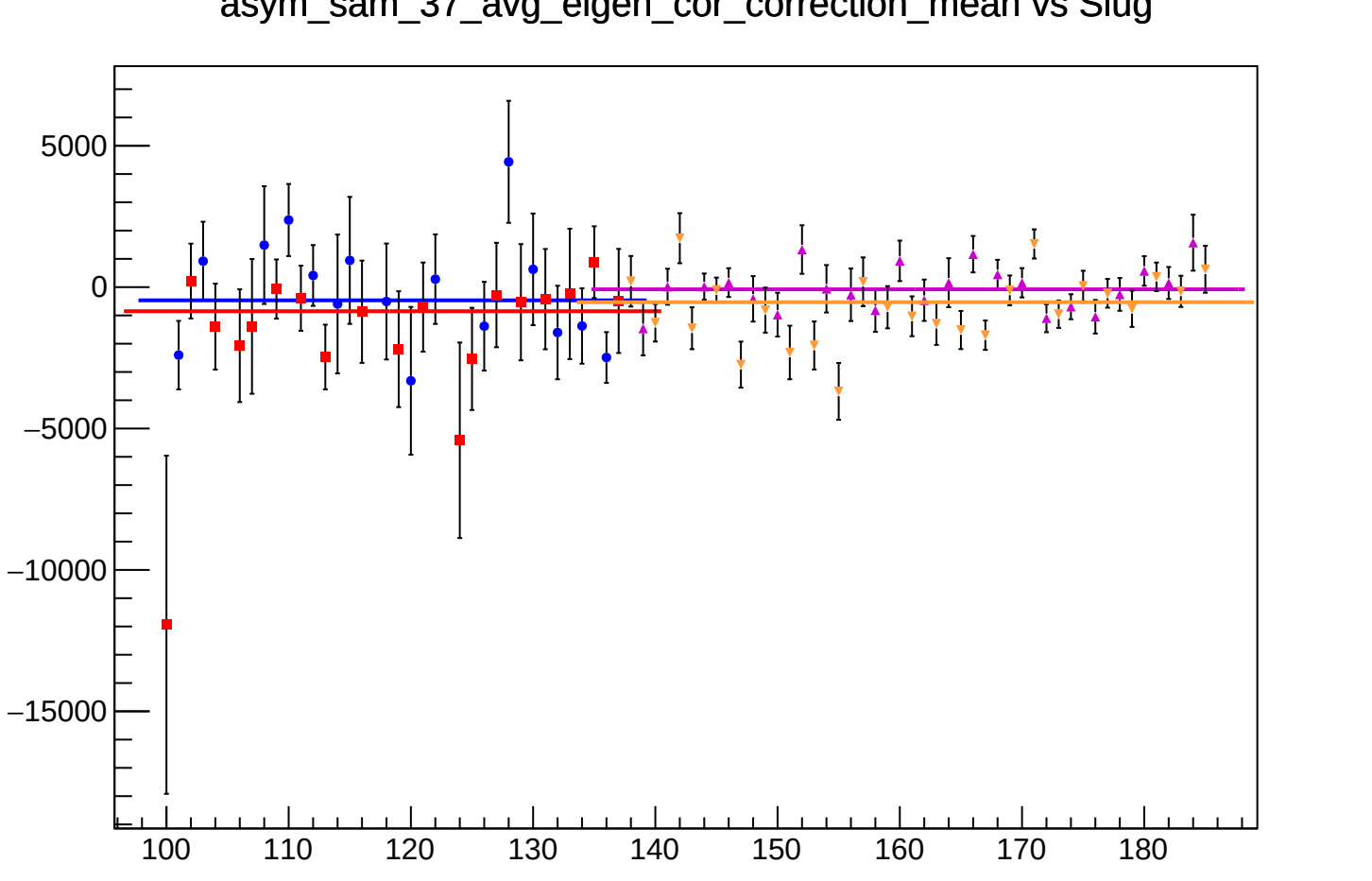
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.488+/-0.009 χ^2/NDF: 1805033.8/40

All: 64.670+/-0.006 χ^2/NDF: 3648024.3/82

- 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: -532.776+/-127.927 χ^2/NDF:69.1/24

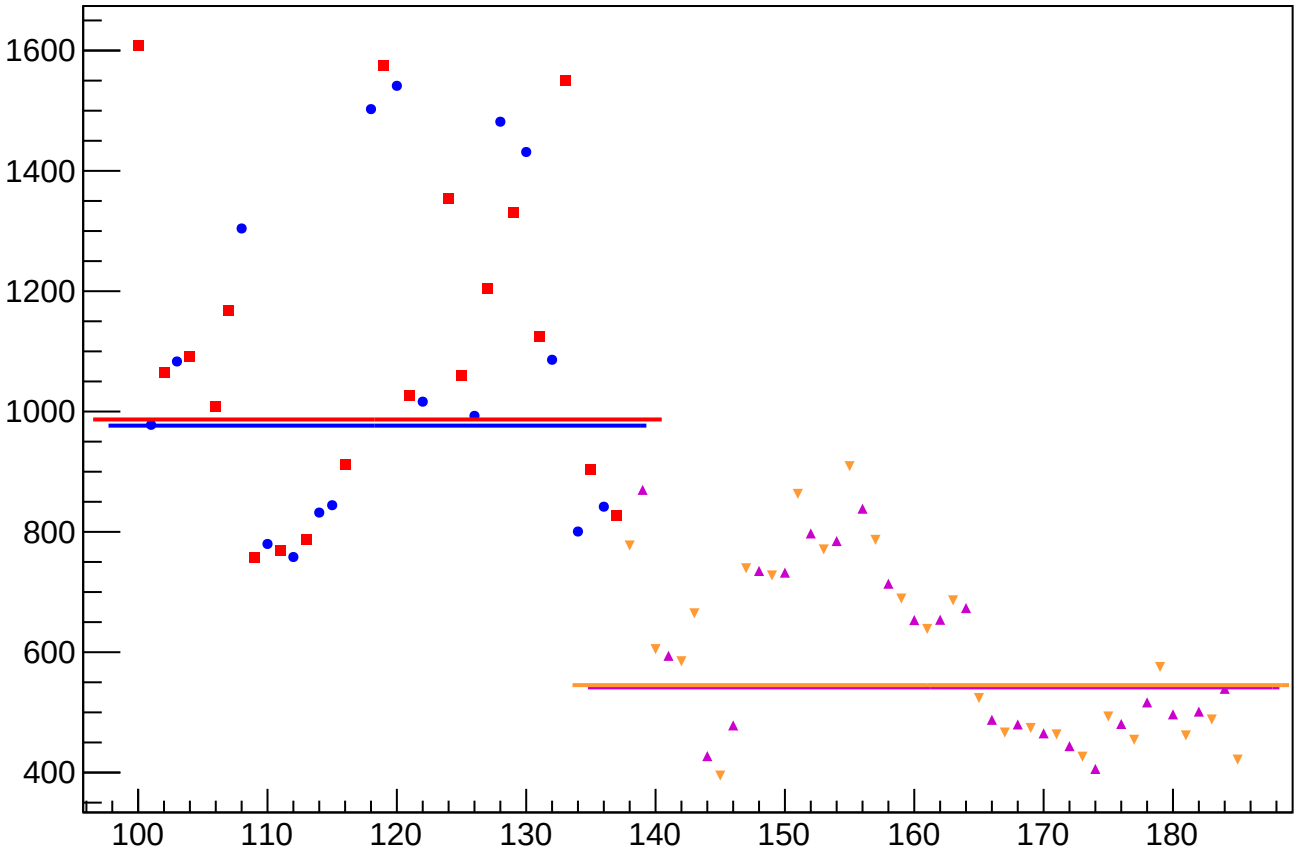
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.869+/-121.076 χ^2/NDF: 92.8/40

All: -346.591+/-86.296 χ^2/NDF: 142.1/82

- sign -161.486+/-123.028 χ^2/NDF: 44.8/41



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

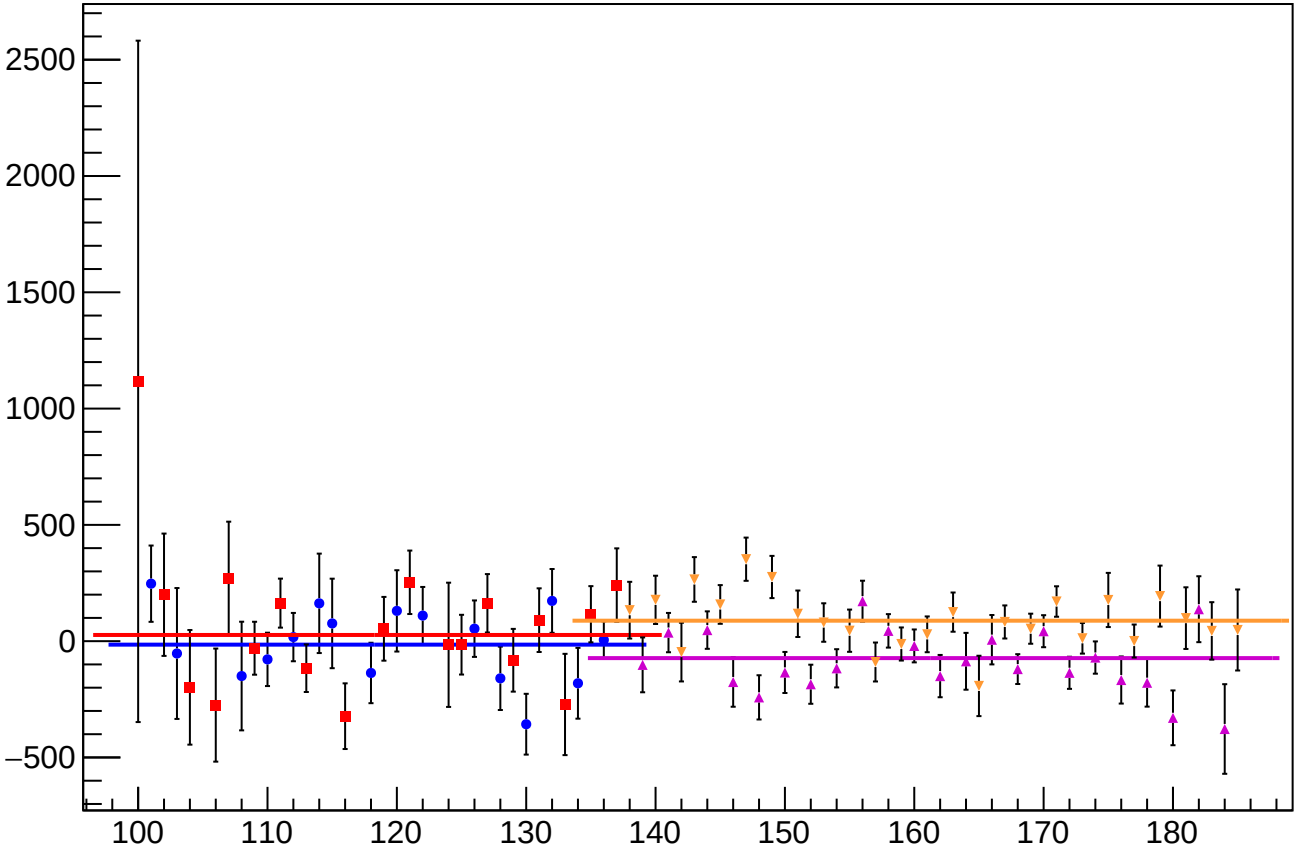
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 590.256+/-0.086 χ^2/NDF: 5189597.1/40

All: 590.074+/-0.061 χ^2/NDF: 10283283.8/82

- 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: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

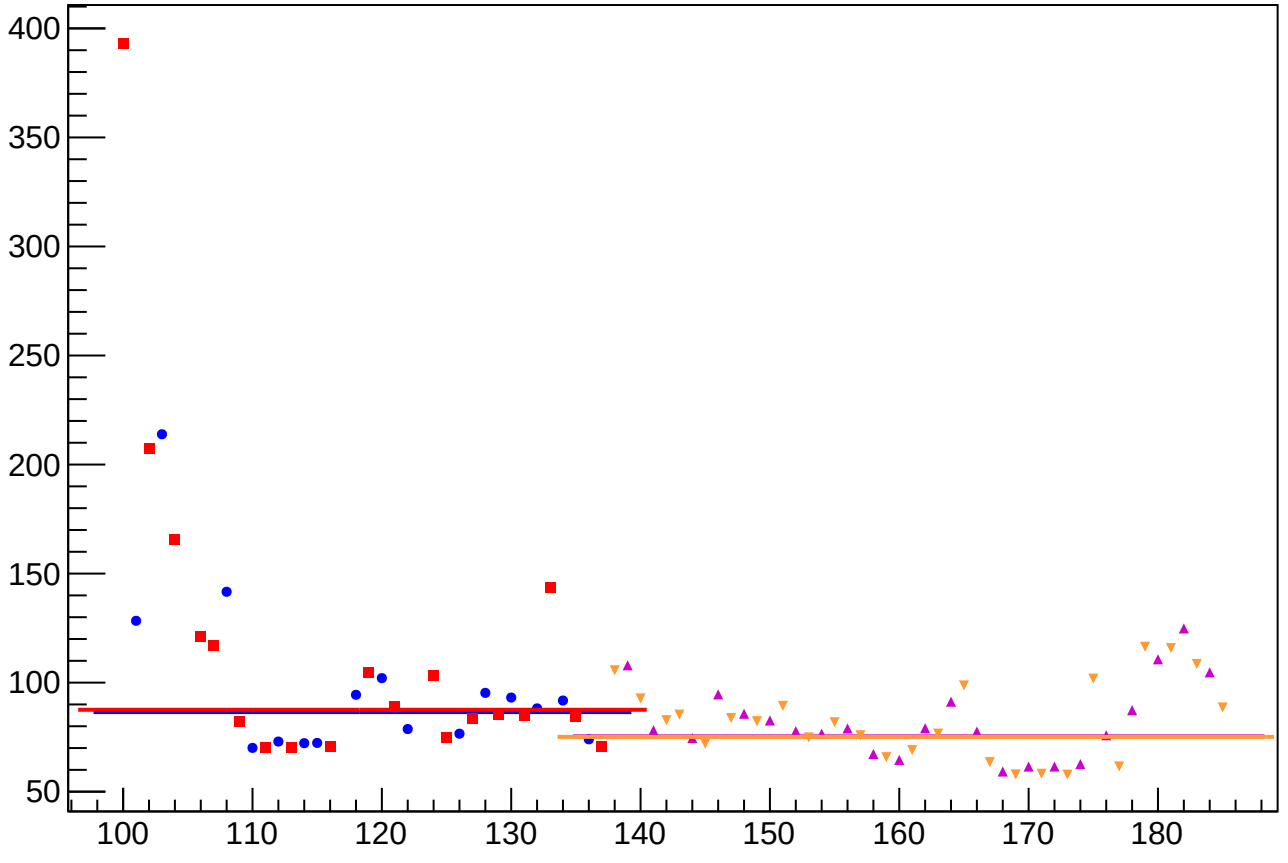
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.746+/-15.707 χ^2/NDF: 62.5/40

All: 9.021+/-11.245 χ^2/NDF: 157.9/82

- 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: 75.128+/-0.013 χ^2/NDF:1601461.8/24

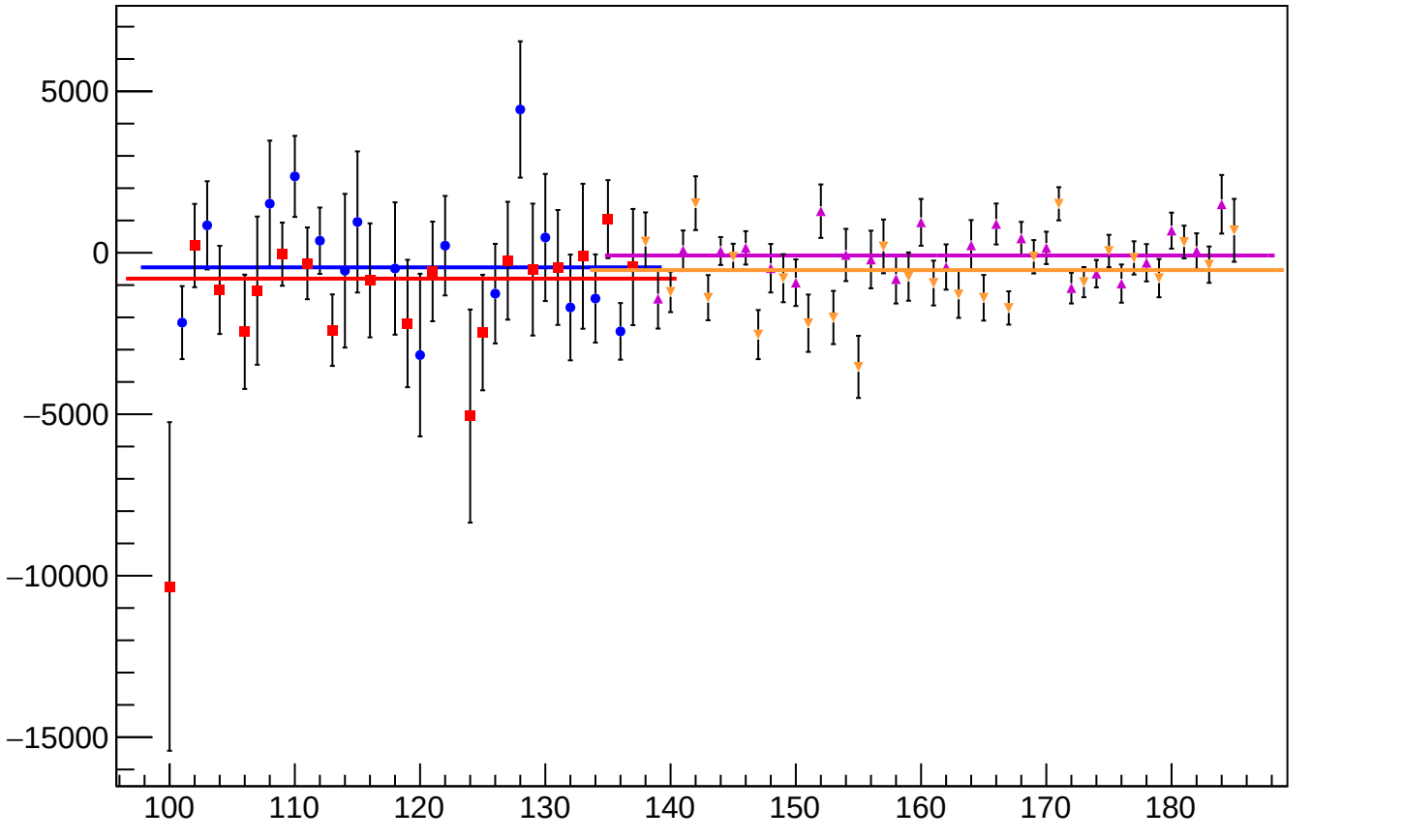
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 77.587+/-0.011 χ^2/NDF: 2635180.5/40

All: 77.831+/-0.008 χ^2/NDF: 5190126.3/82

- 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: -536.789+/-124.471 χ^2/NDF:67.0/24

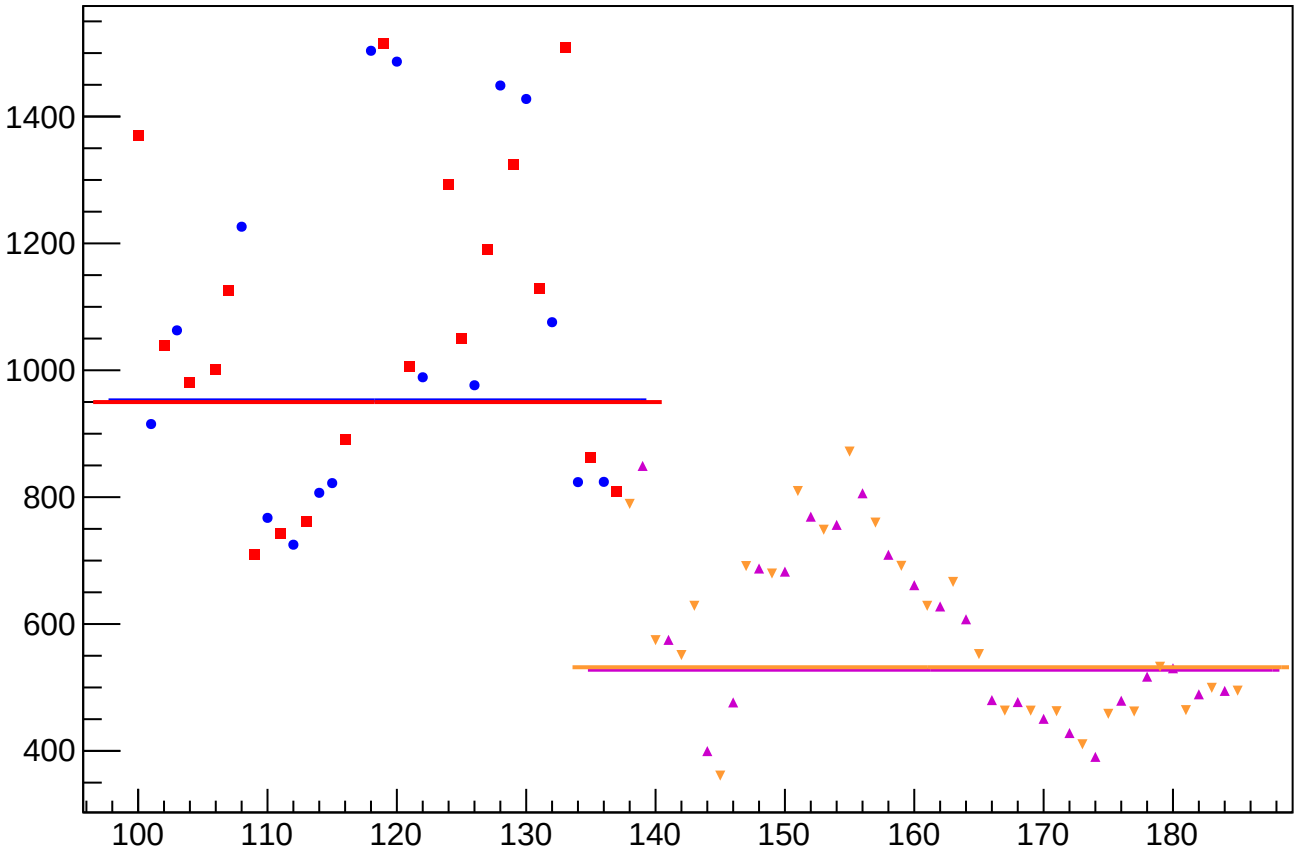
Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -527.918+/-117.830 χ^2/NDF: 90.8/40

All: -349.277+/-83.978 χ^2/NDF: 140.1/82

\- sign -164.860+/-119.720 χ^2/NDF: 44.6/41



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

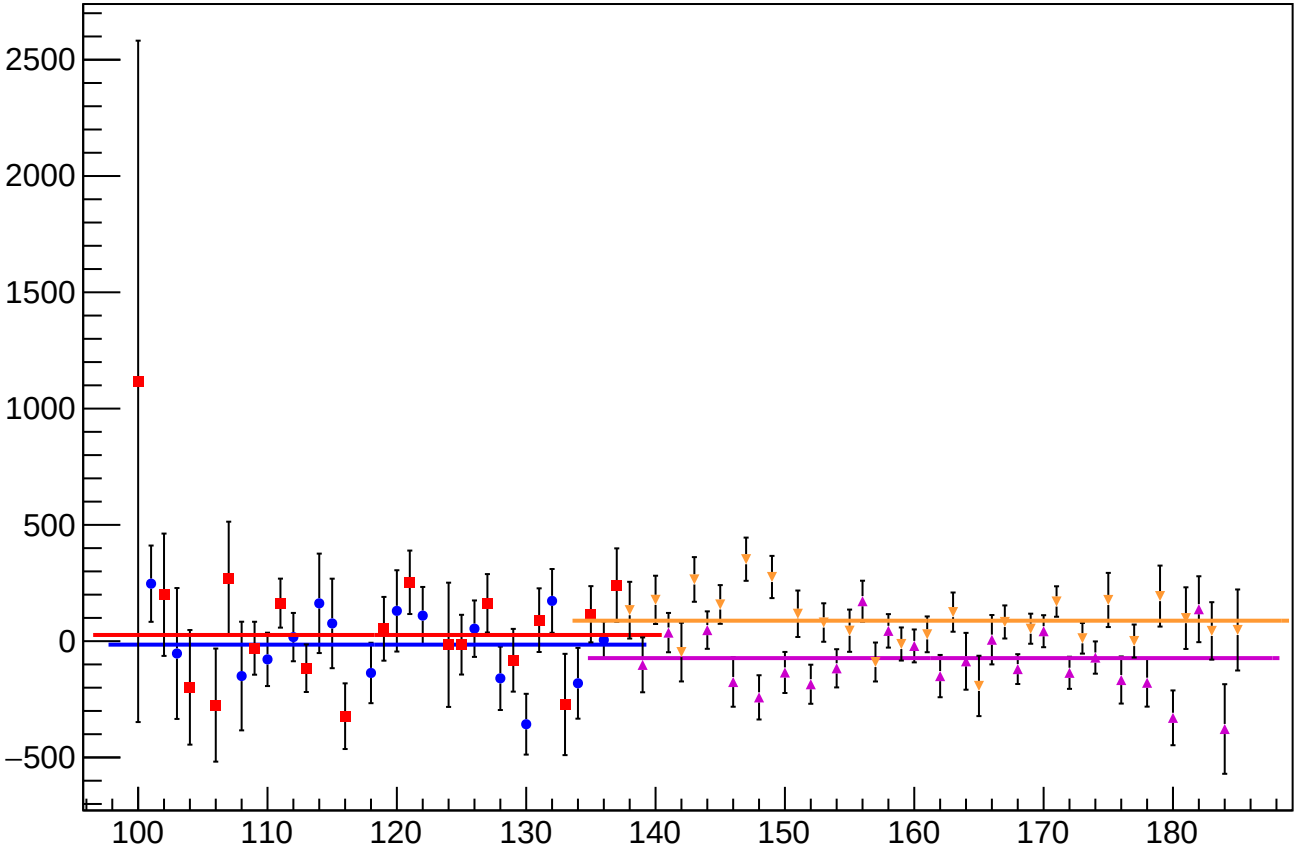
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 575.568+/-0.083 χ^2/NDF: 5156985.8/40

All: 575.388+/-0.059 χ^2/NDF: 10177861.9/82

- 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: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

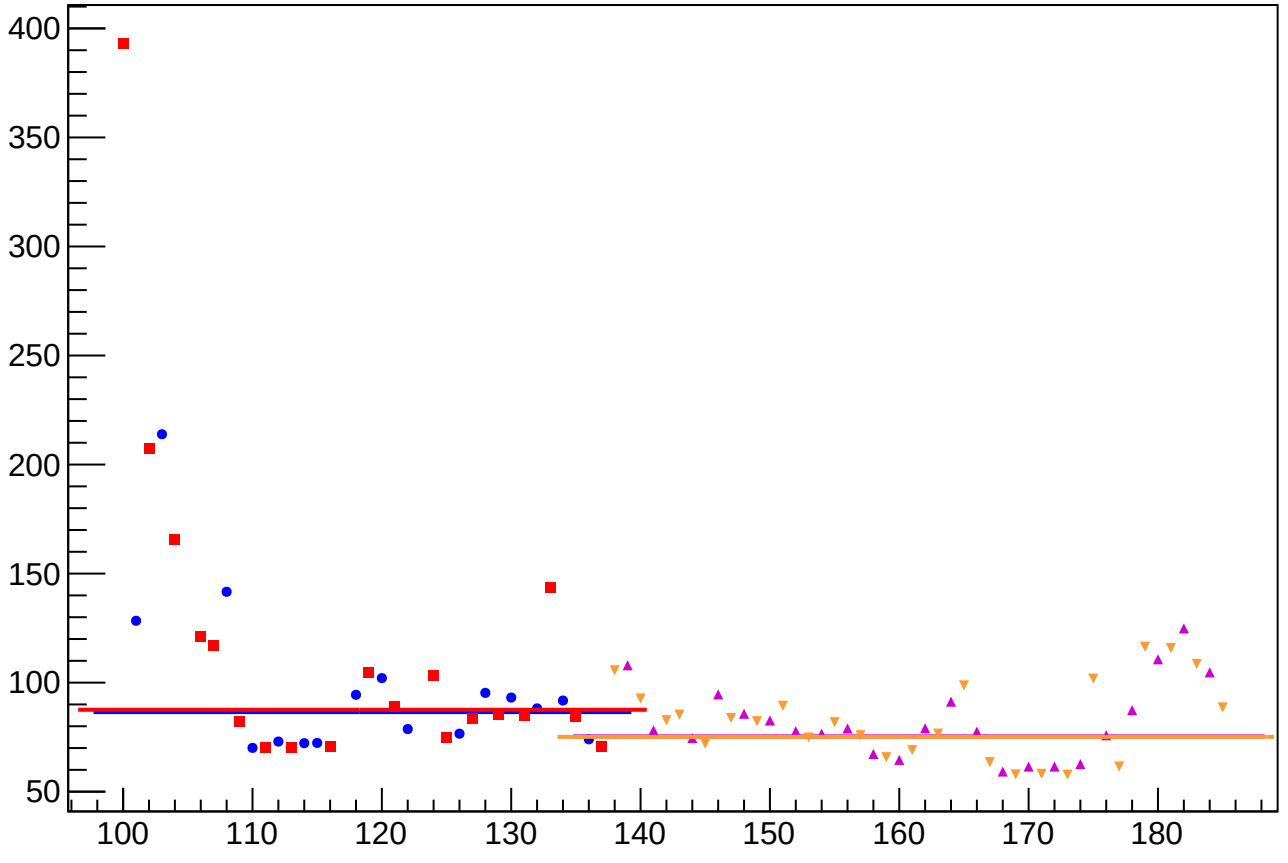
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.747+/-15.707 χ^2/NDF: 62.5/40

All: 9.021+/-11.245 χ^2/NDF: 157.9/82

- 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: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

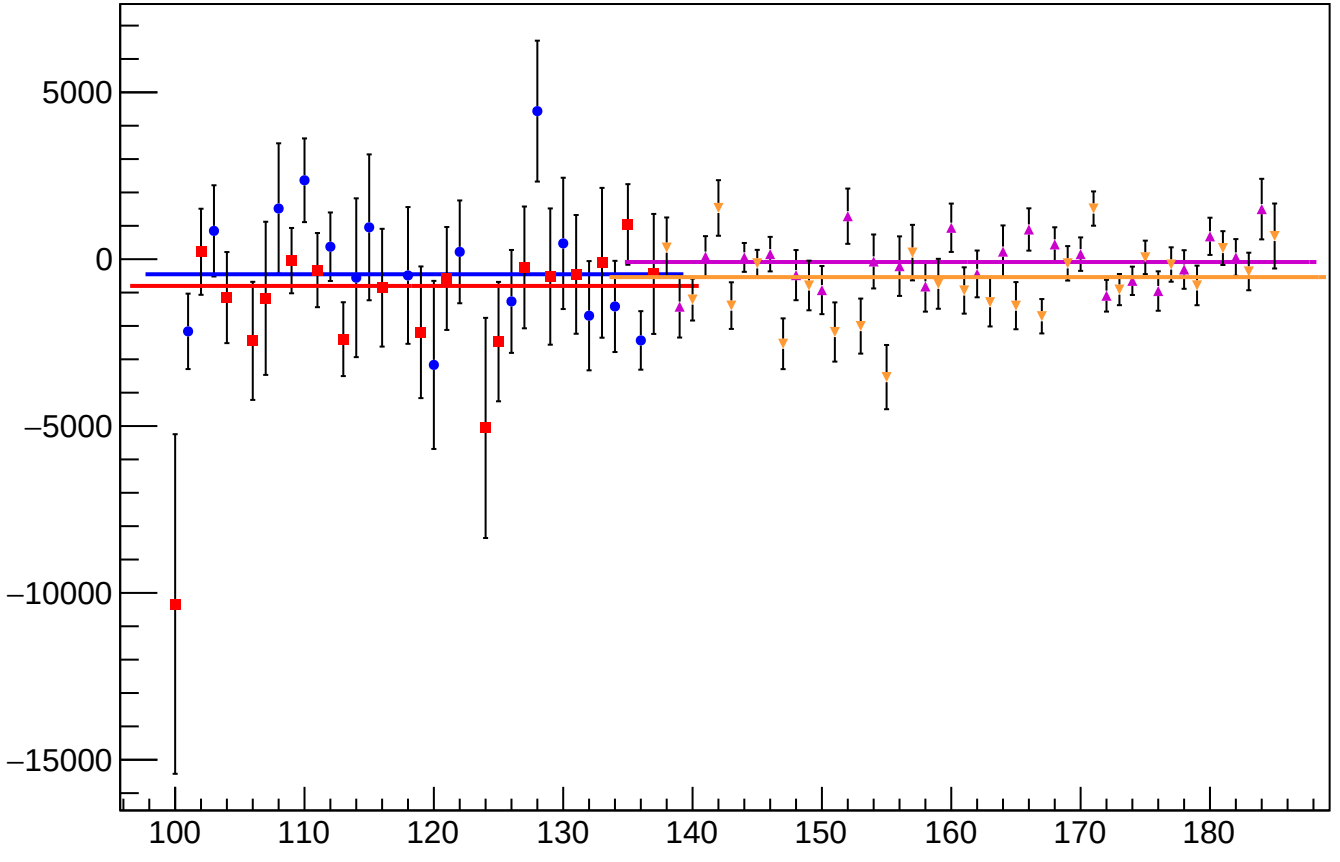
Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 77.587+/-0.011 χ^2/NDF: 2635175.2/40

All: 77.831+/-0.008 χ^2/NDF: 5190125.3/82

- sign 78.087+/-0.011 χ^2/NDF: 2553963.3/41

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

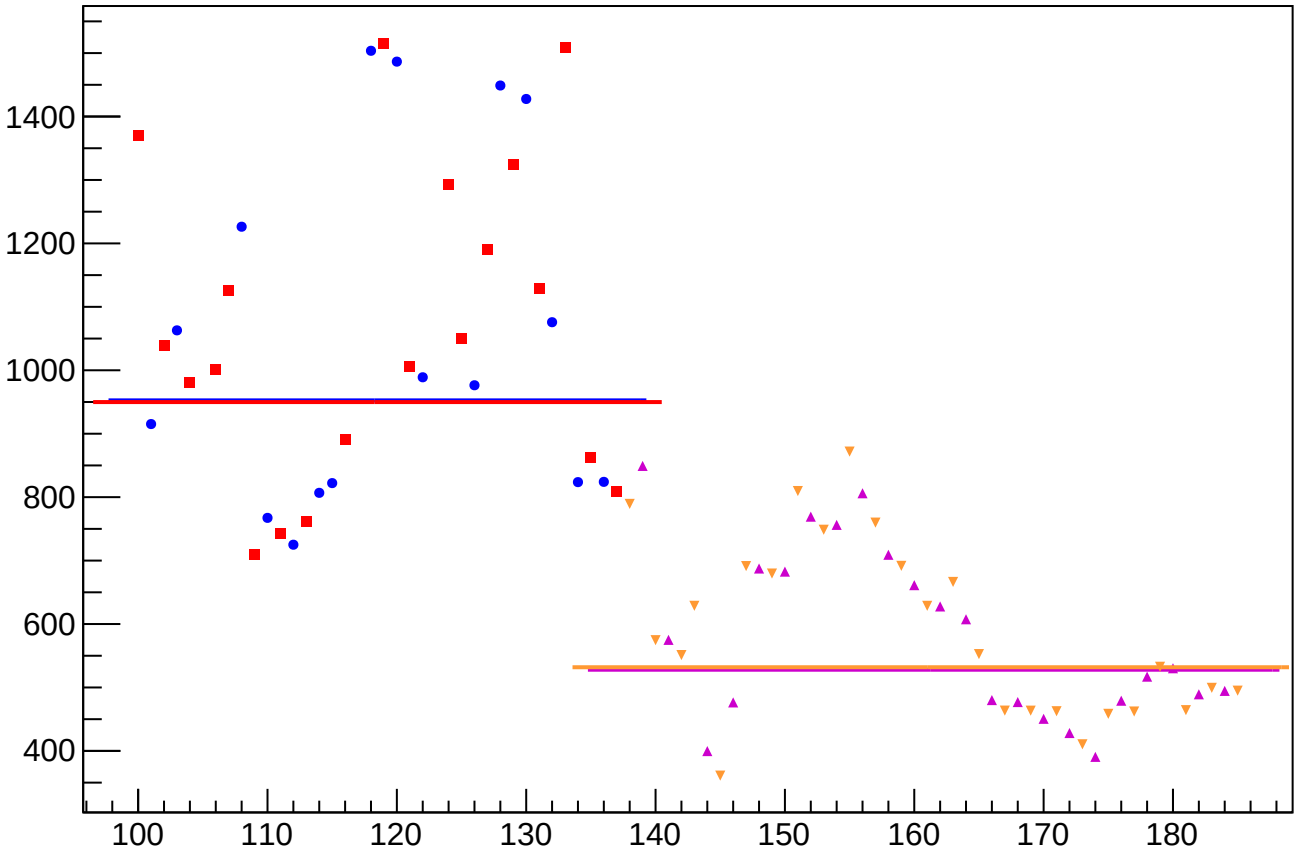
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -527.918+/-117.830 χ^2/NDF: 90.8/40

All: -349.277+/-83.978 χ^2/NDF: 140.1/82

- 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: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

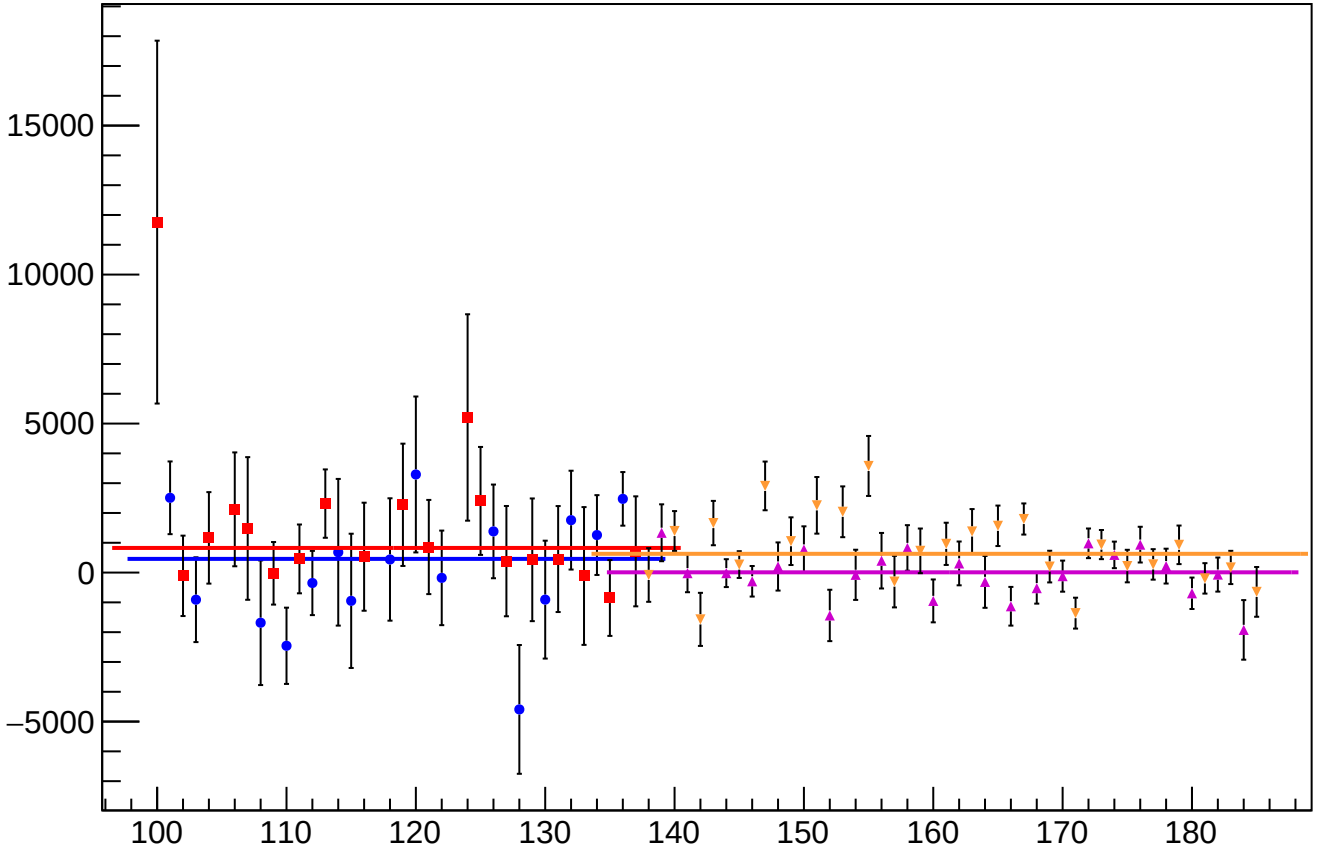
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 575.567+/-0.083 χ^2/NDF: 5156974.3/40

All: 575.388+/-0.059 χ^2/NDF: 10177833.9/82

- 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: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

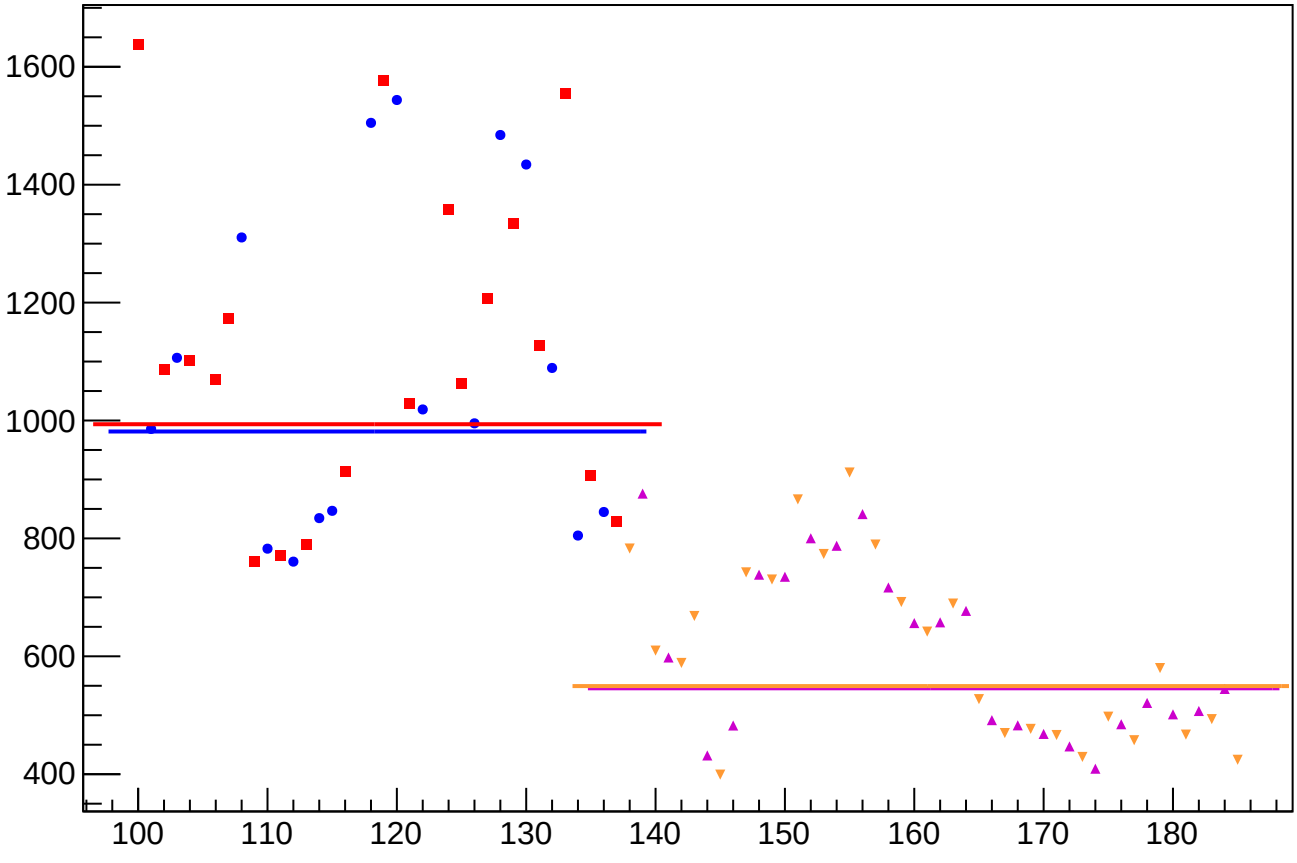
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 611.561+/-121.924 χ^2/NDF: 89.6/40

All: 358.934+/-86.899 χ^2/NDF: 141.6/82

- 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: 549.475+/-0.091 χ^2/NDF:2053905.8/24

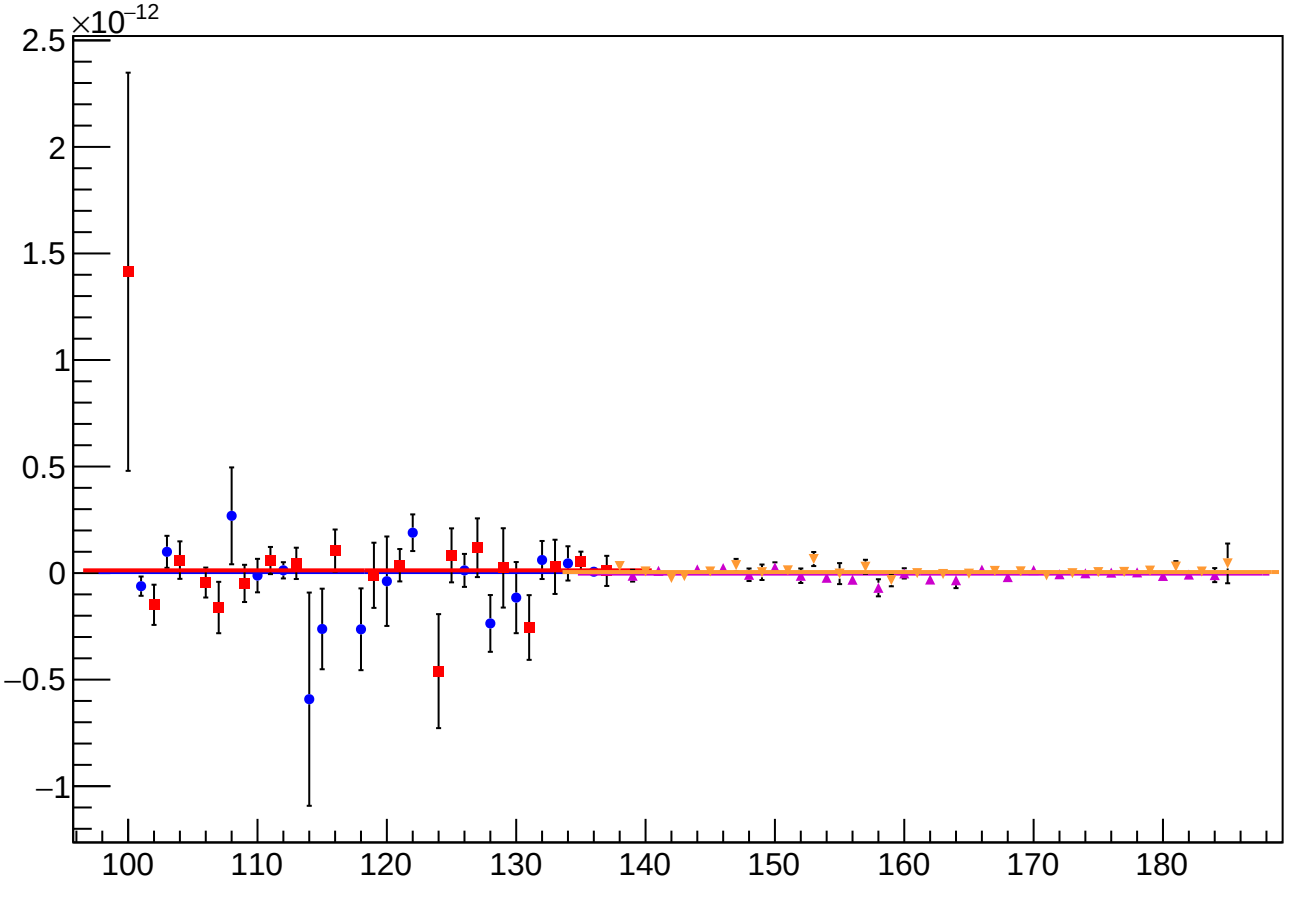
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 594.675+/-0.086 χ^2/NDF: 5143013.5/40

All: 594.736+/-0.061 χ^2/NDF: 10228990.9/82

- sign 594.798+/-0.088 χ^2/NDF: 5085976.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

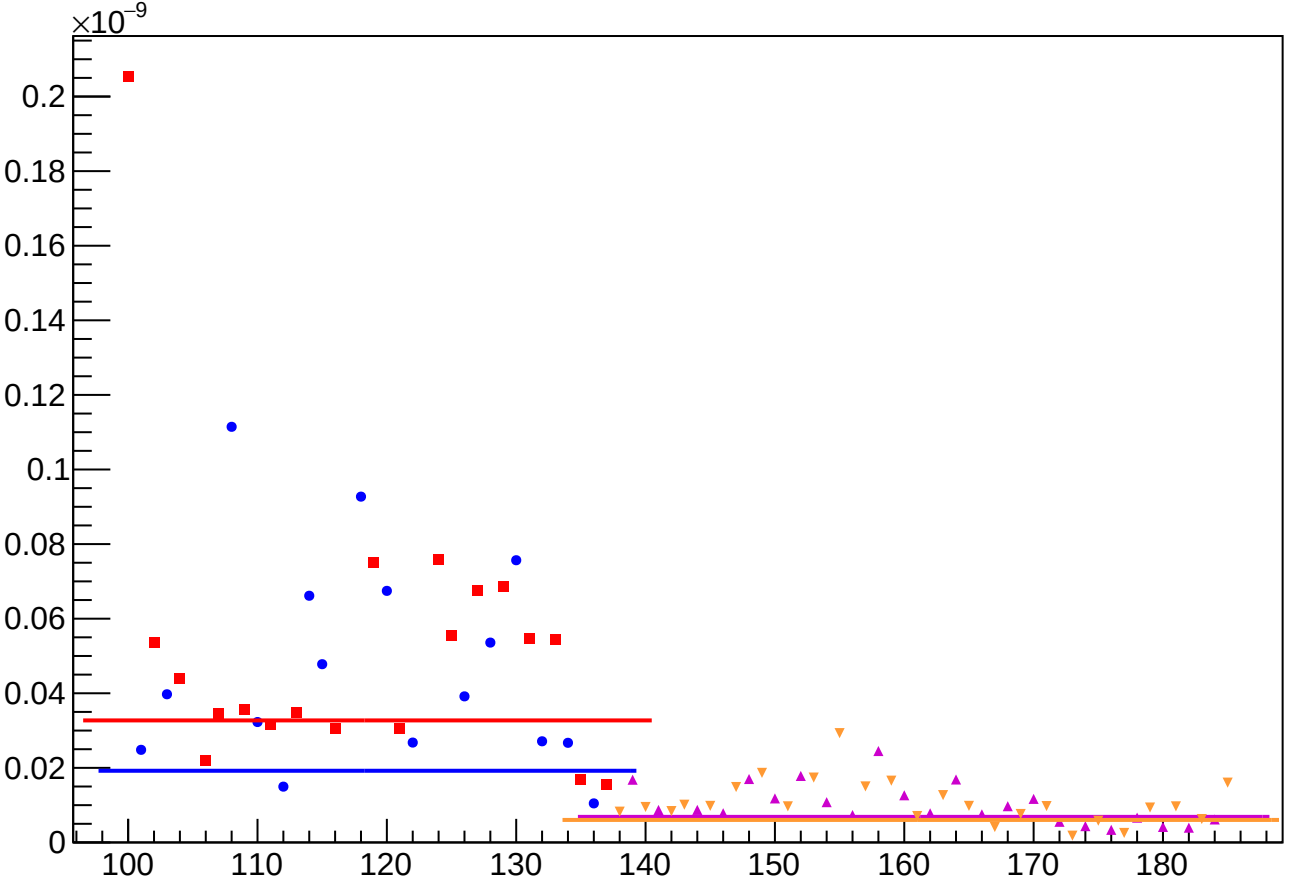
Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.3/40

All: 0.000+/-0.000 χ^2/NDF: 76.7/82

- sign -0.000+/-0.000 χ^2/NDF: 39.0/41

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

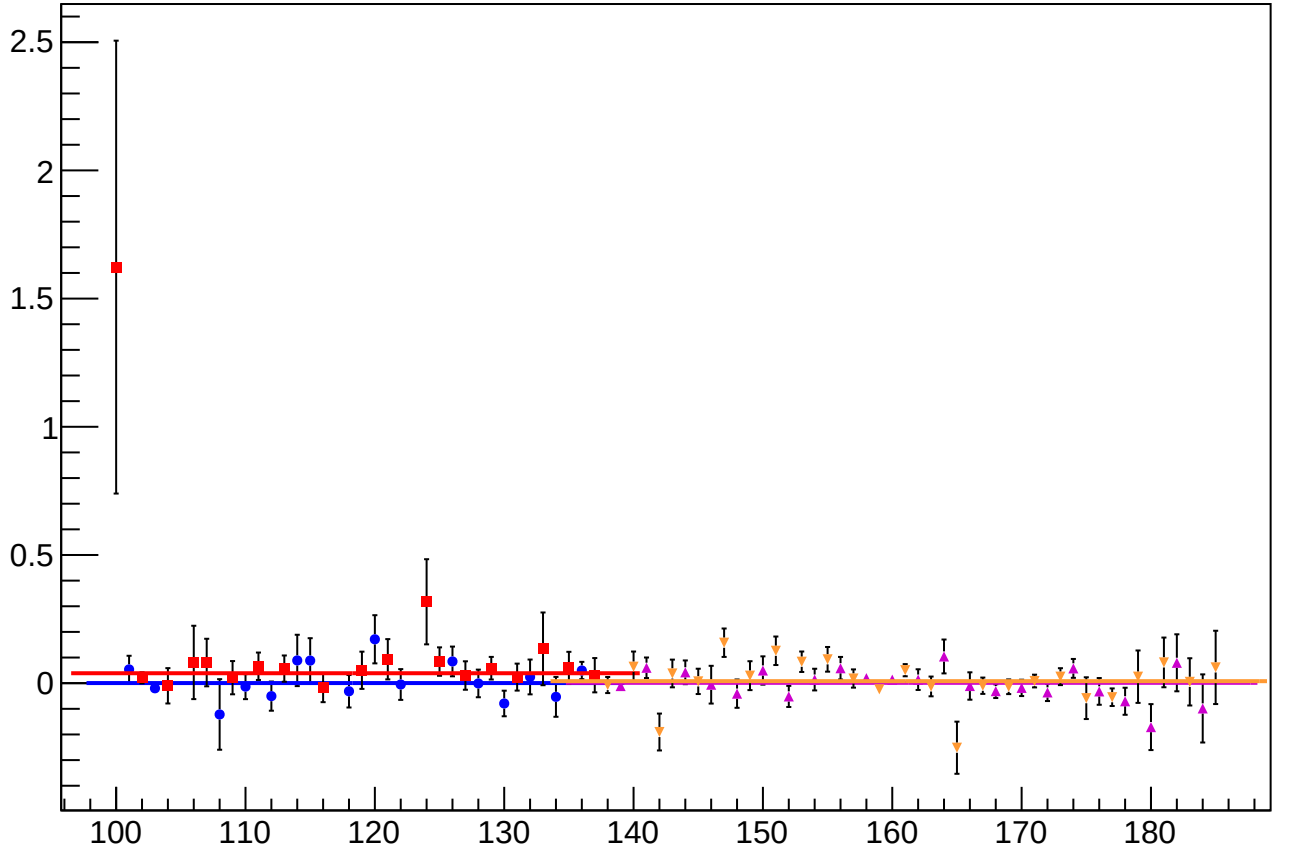
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7196804.8/40

All: 0.000+/-0.000 χ^2/NDF: 13909458.0/82

- 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:47.6/24

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

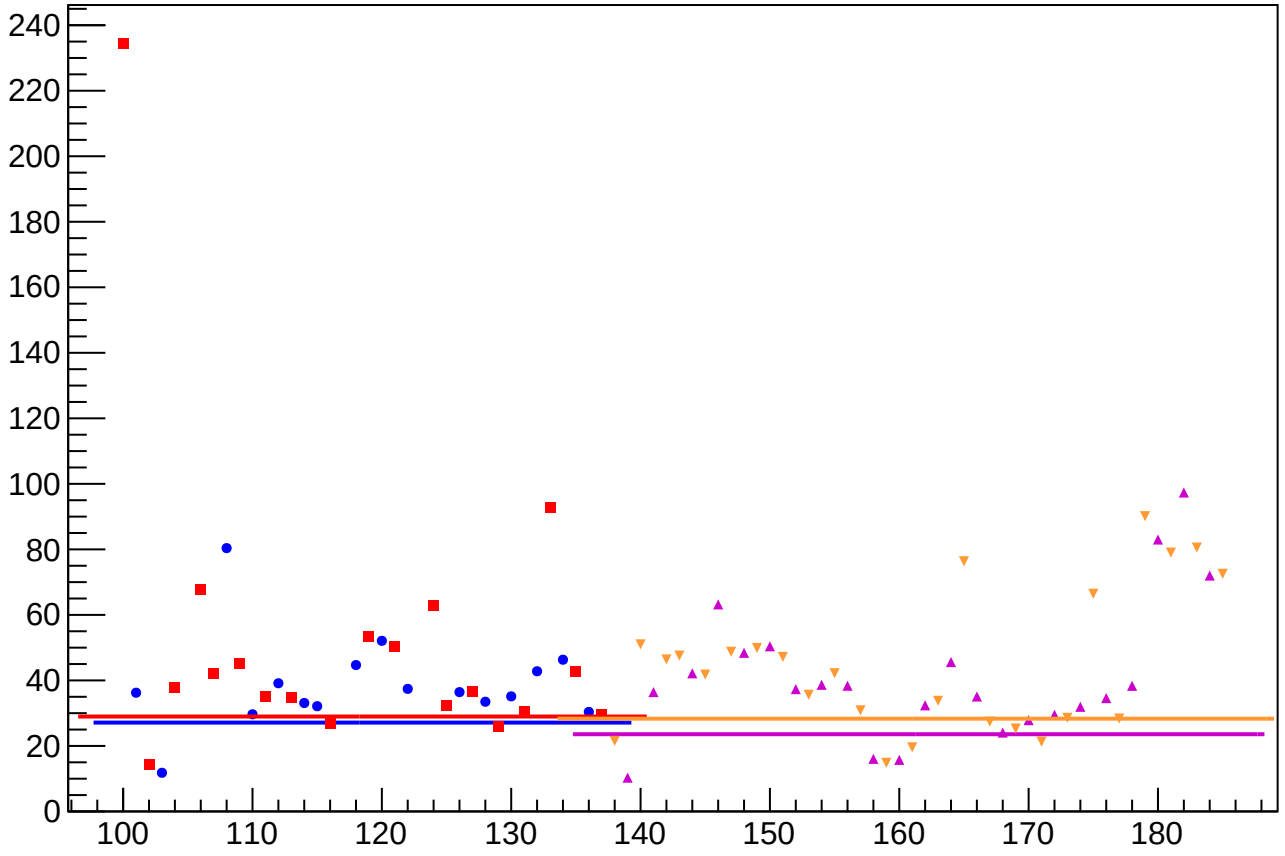
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.3/40

All: 0.008+/-0.004 χ^2/NDF: 107.6/82

- 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: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

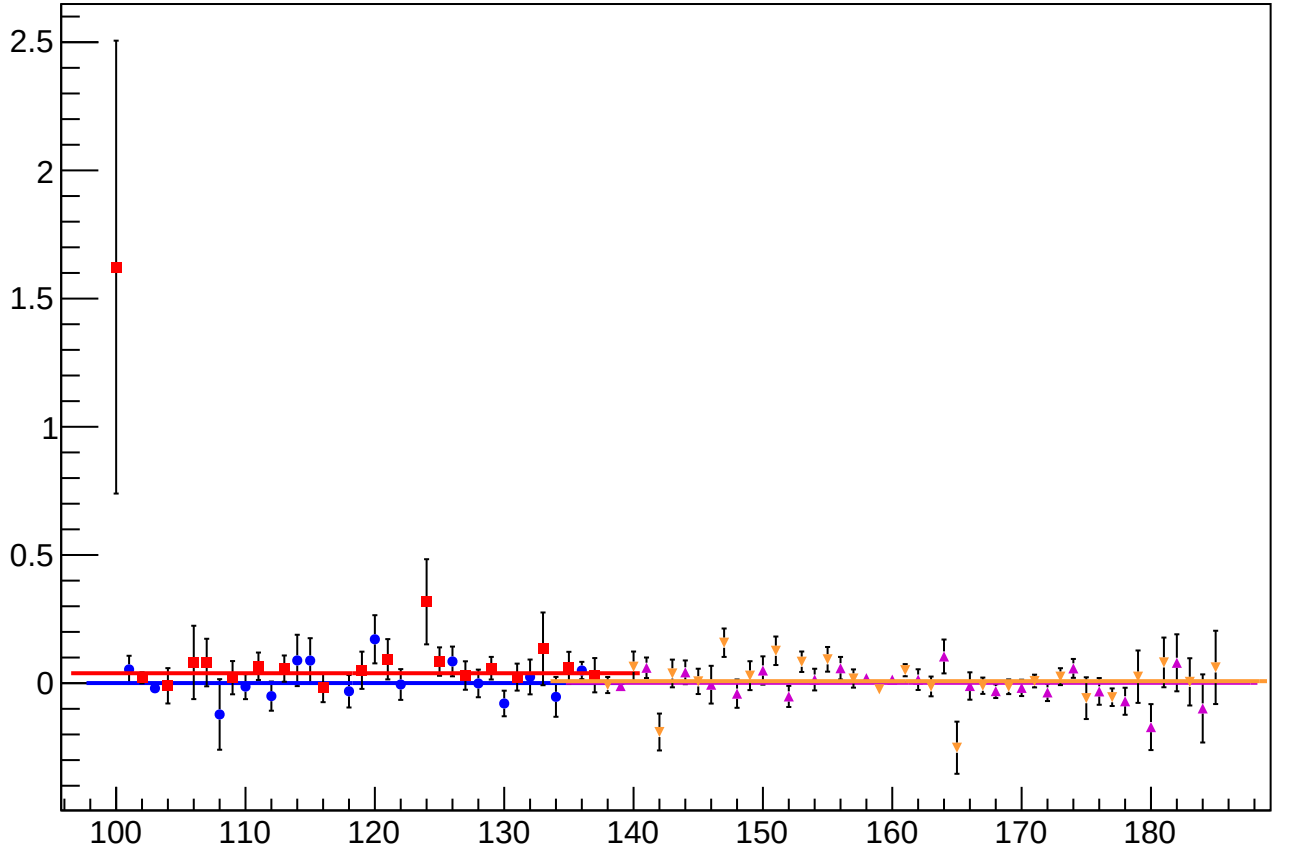
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 27.985+/-0.005 χ^2/NDF: 9217784.7/40

All: 26.278+/-0.003 χ^2/NDF: 20487084.3/82

- 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:47.6/24

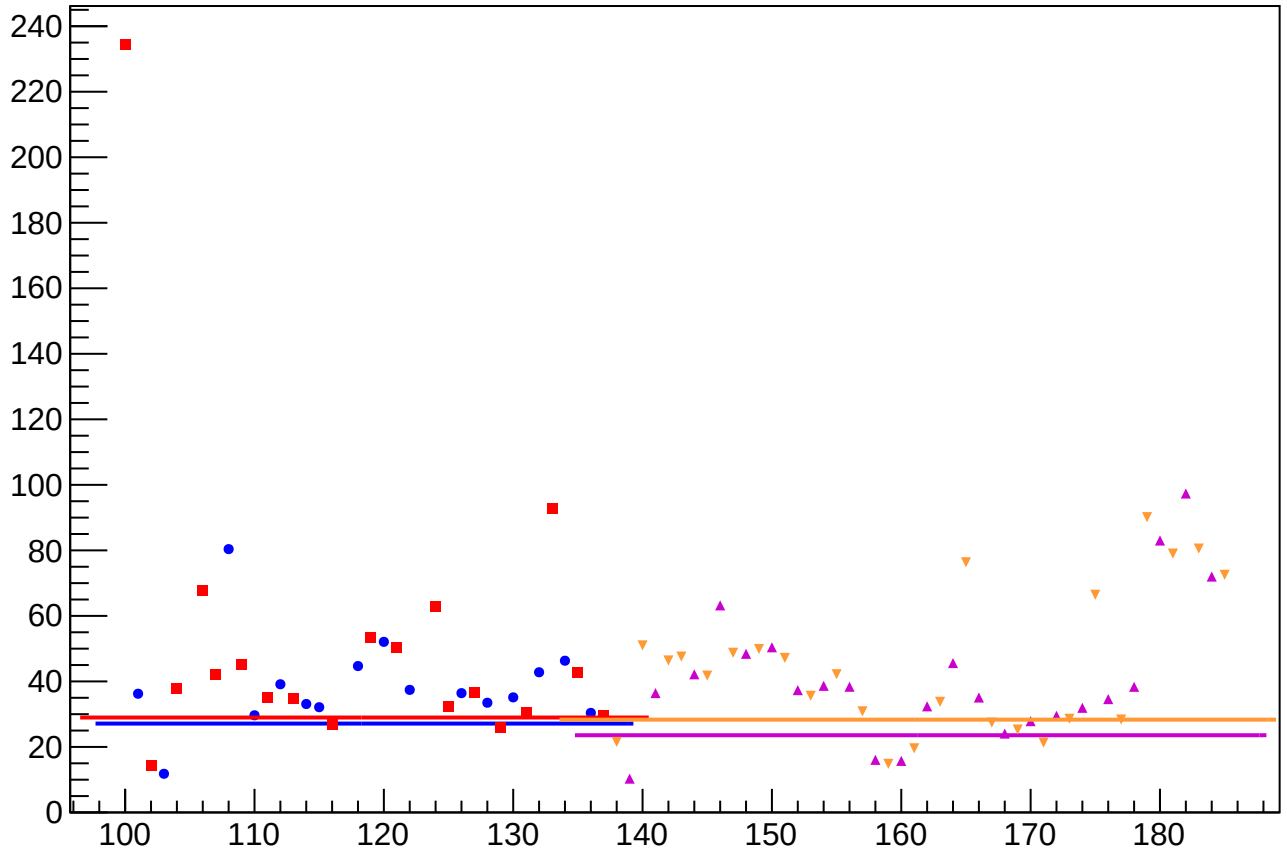
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.3/40

All: 0.008+/-0.004 χ^2/NDF: 107.6/82

- sign 0.010+/-0.006 χ^2/NDF: 43.0/41



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

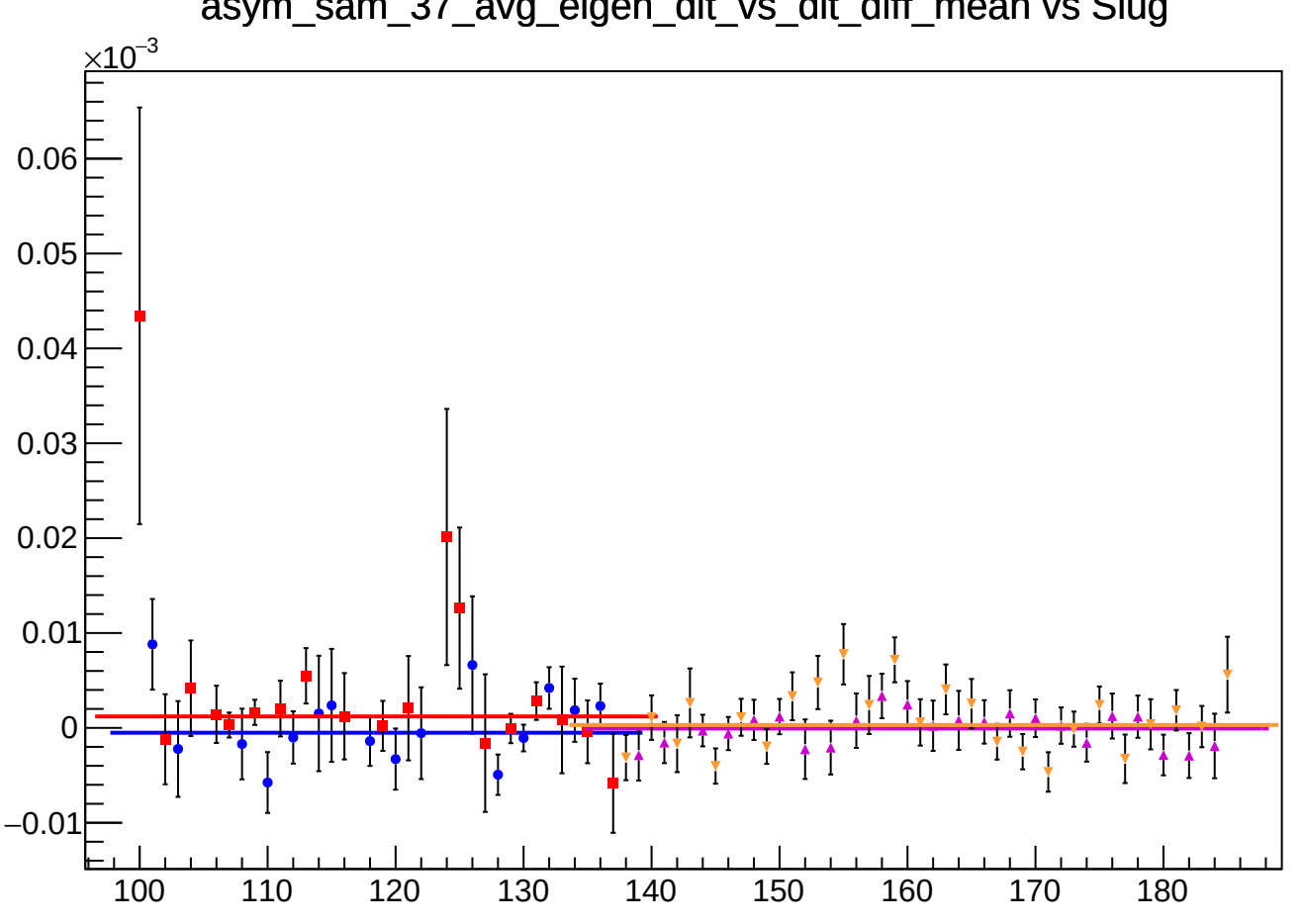
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 27.985+/-0.005 χ^2/NDF: 9217784.7/40

All: 26.278+/-0.003 χ^2/NDF: 20487084.3/82

- 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:45.7/24

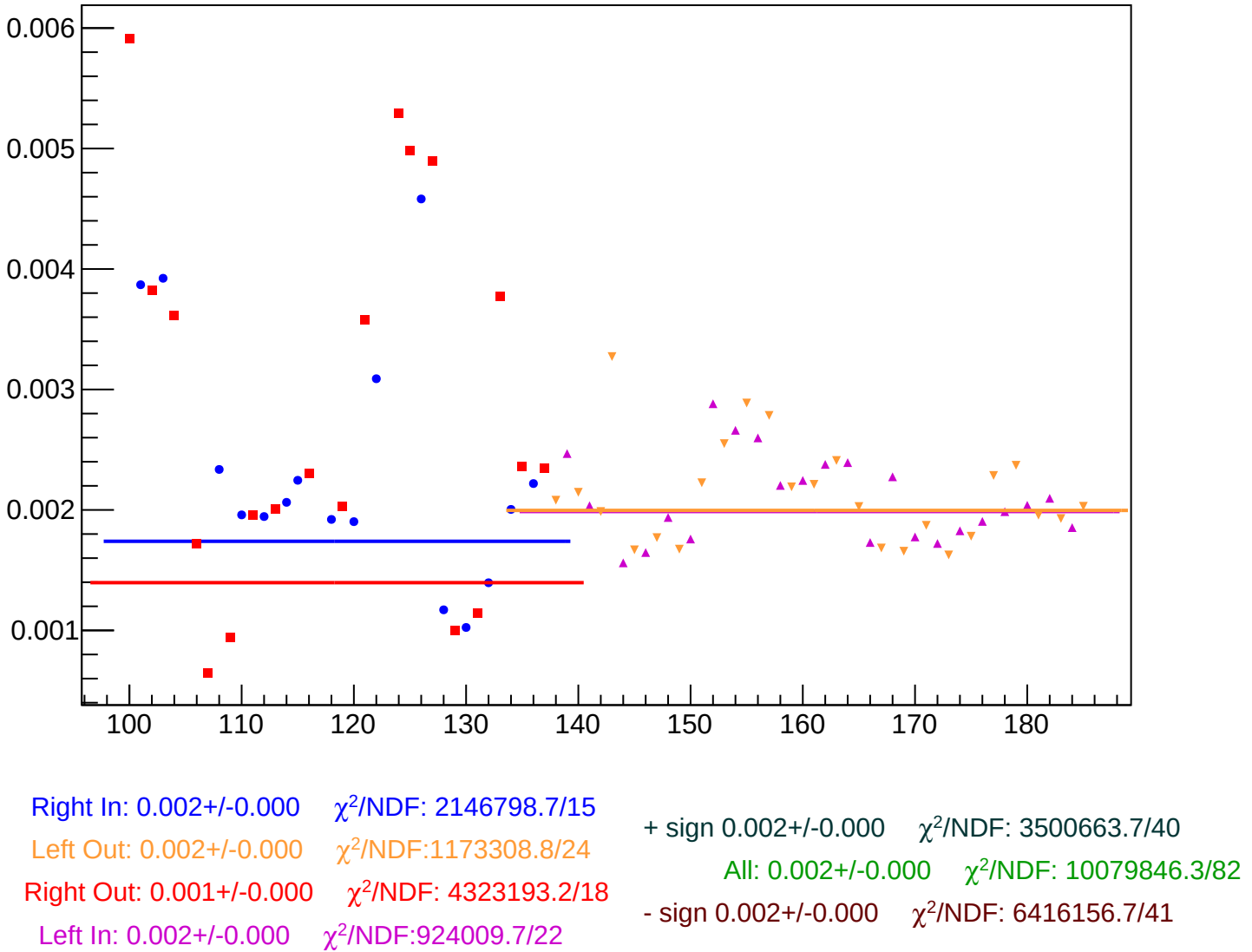
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

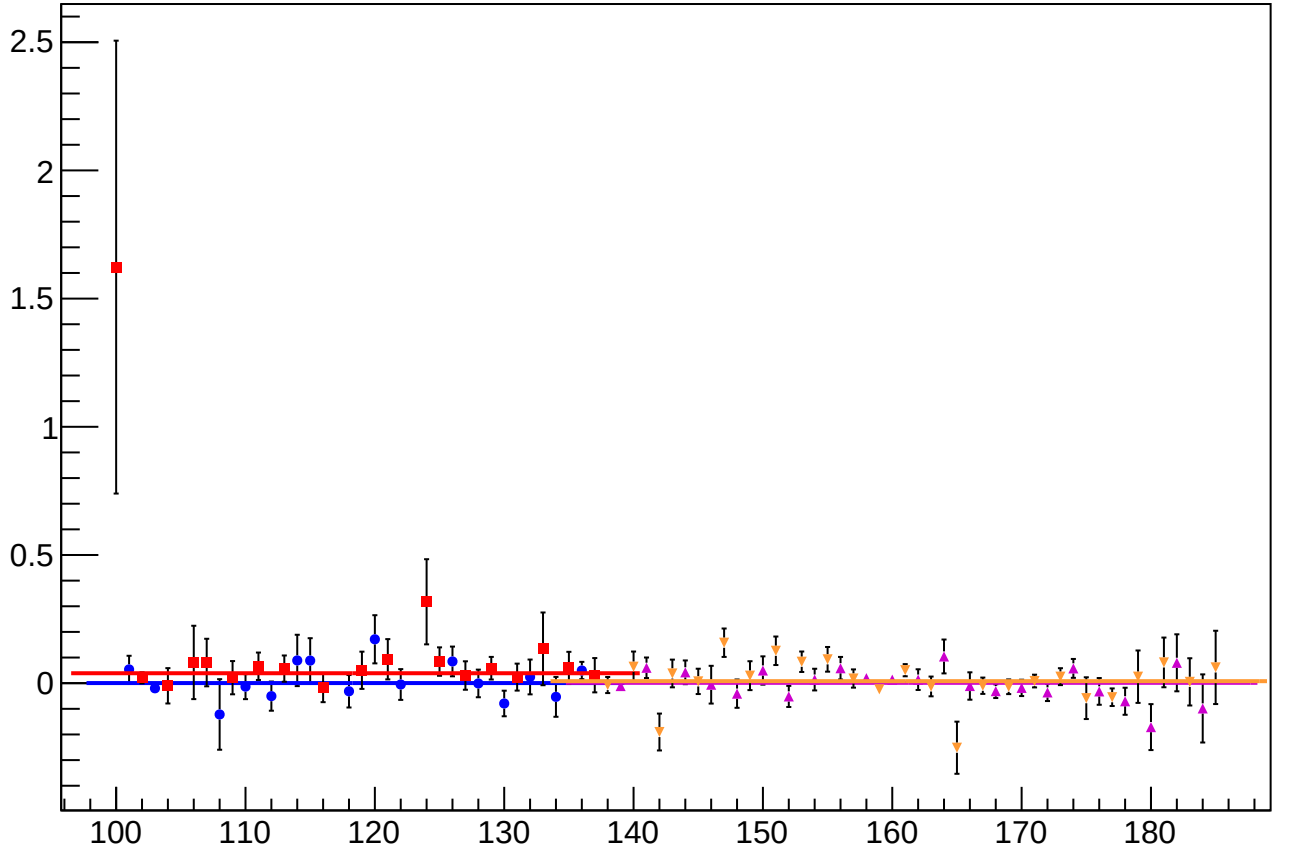
+ sign 0.000+/-0.000 χ^2/NDF: 66.5/40

All: 0.000+/-0.000 χ^2/NDF: 96.4/82

- 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:1173308.8/24
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: 3500663.7/40
All: 0.002+/-0.000 χ²/NDF: 10079846.3/82
- 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:47.6/24

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

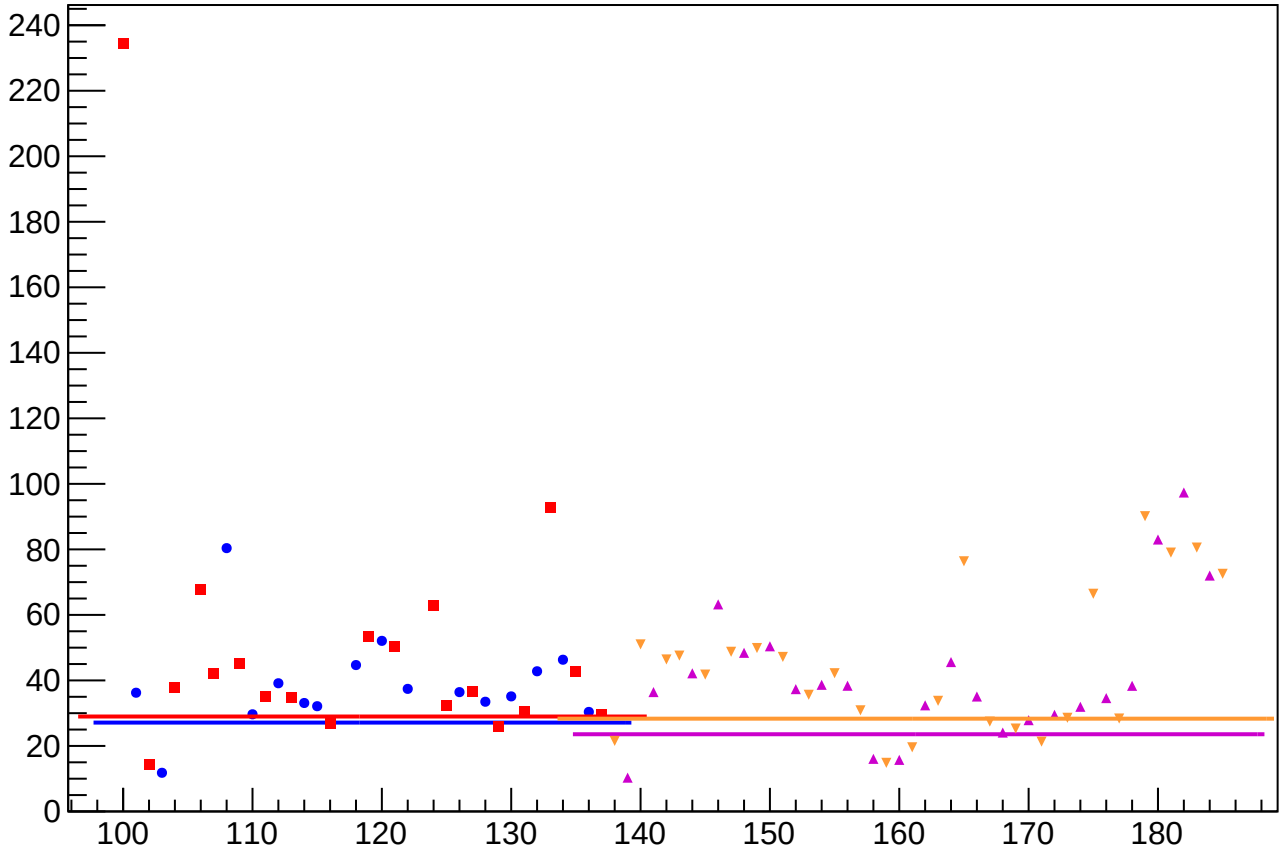
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.3/40

All: 0.008+/-0.004 χ^2/NDF: 107.6/82

- 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: 28.324+/-0.005 χ^2/NDF:6788766.1/24

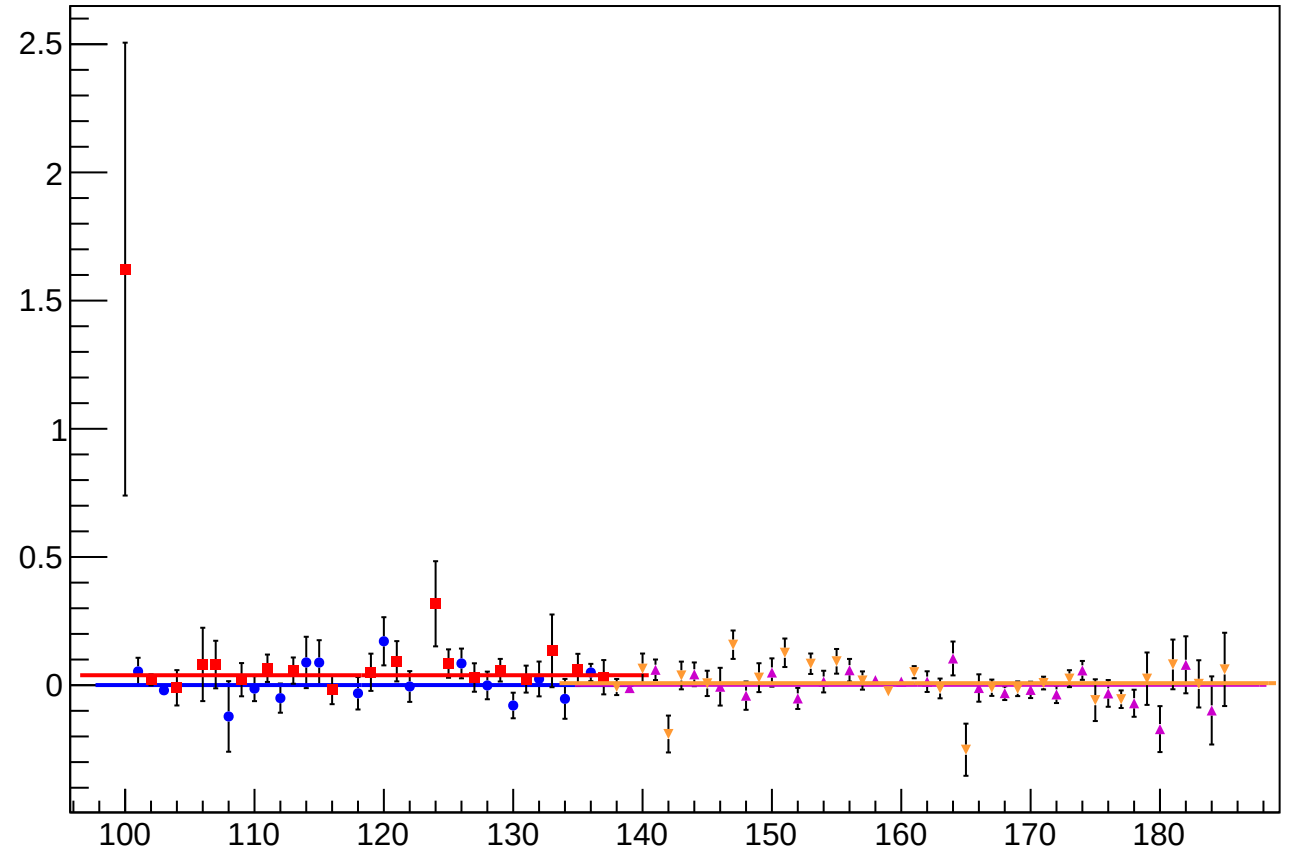
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 27.984+/-0.005 χ^2/NDF: 9218587.9/40

All: 26.278+/-0.003 χ^2/NDF: 20488727.9/82

- 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:47.6/24

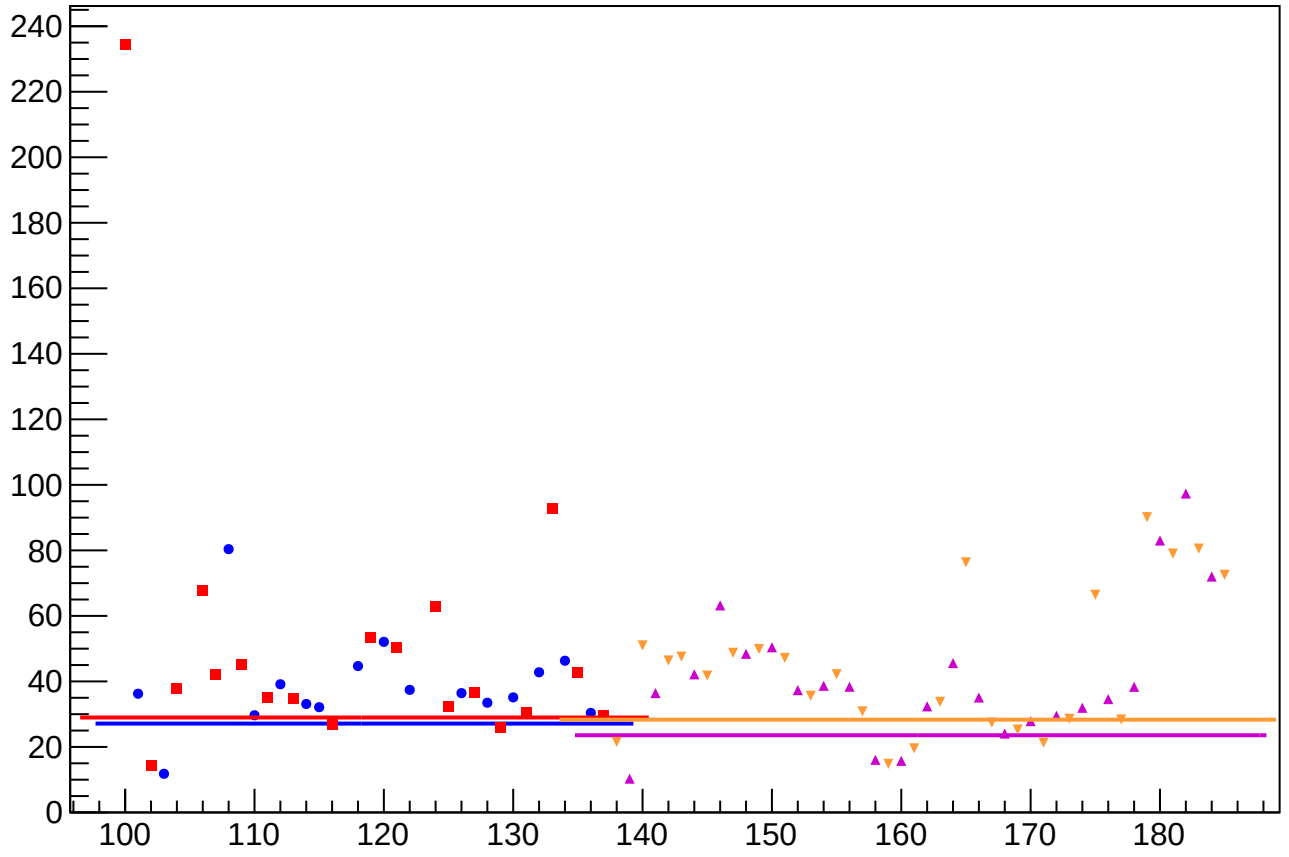
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 64.3/40

All: 0.008+/-0.004 χ^2/NDF: 107.6/82

- sign 0.010+/-0.006 χ^2/NDF: 43.0/41



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

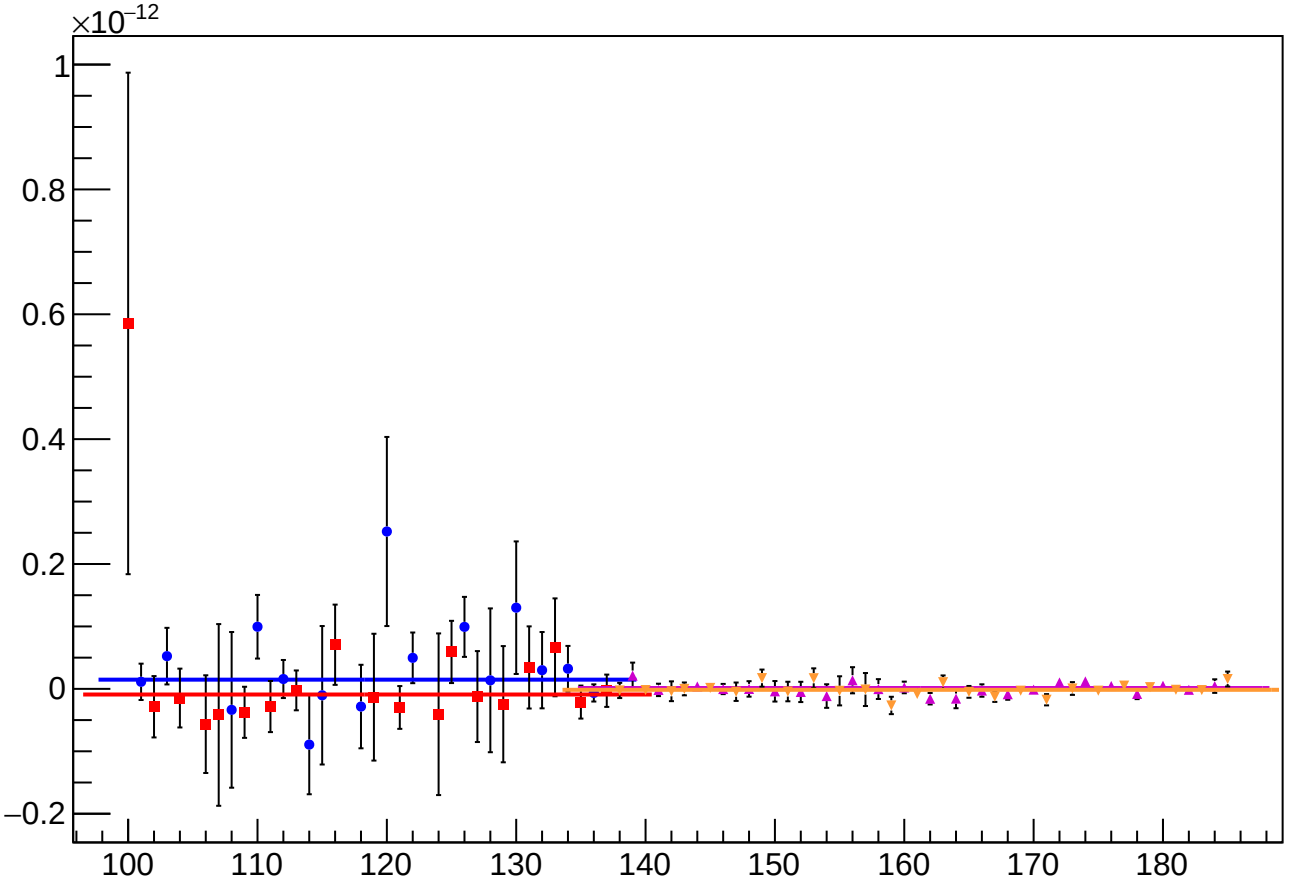
Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 27.984+/-0.005 χ^2/NDF: 9218587.9/40

All: 26.278+/-0.003 χ^2/NDF: 20488727.9/82

- sign 24.787+/-0.004 χ^2/NDF: 11004763.1/41

asym_sam_37_avg_eigen_cor_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:17.6/24

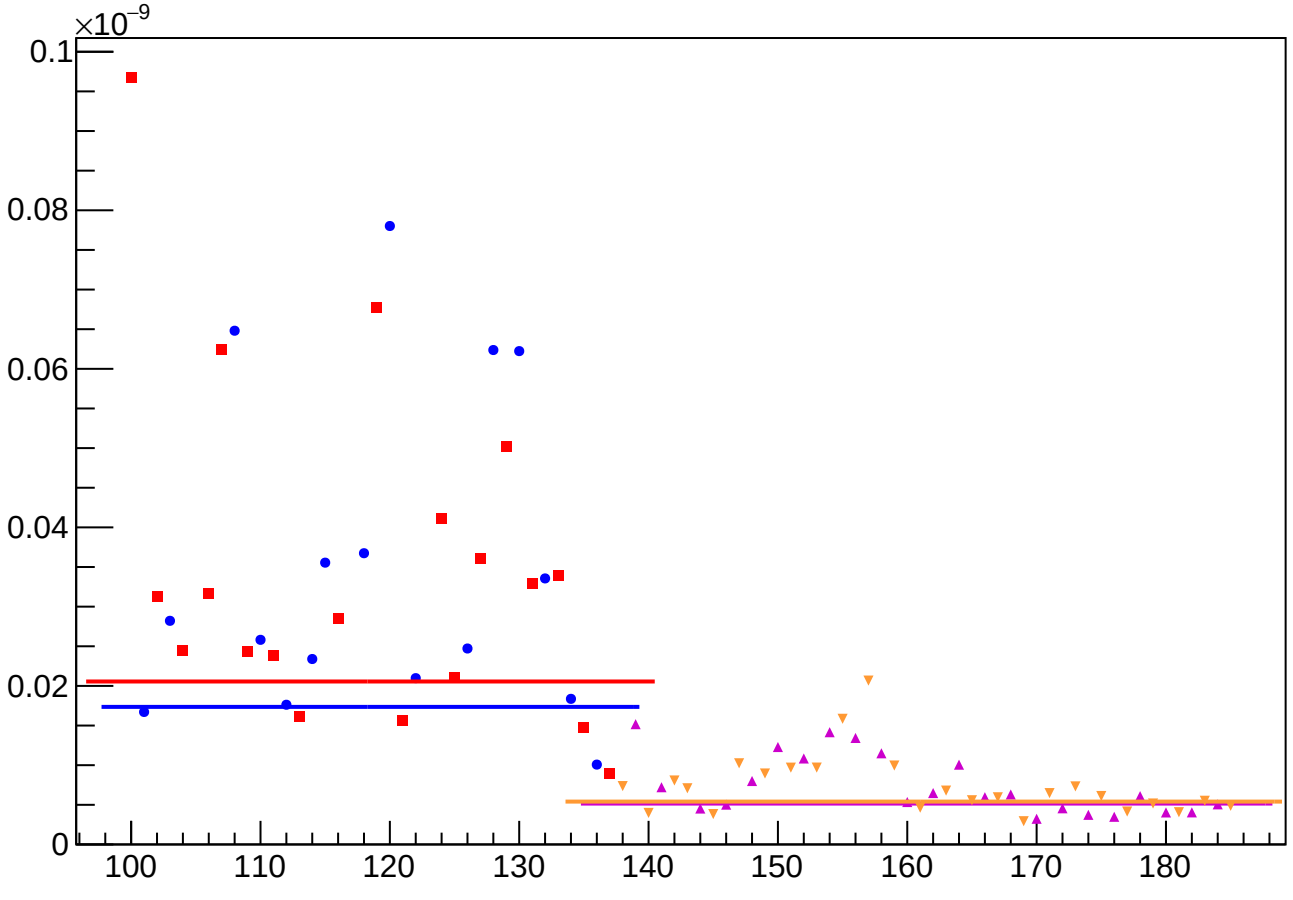
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.4/40

All: 0.000+/-0.000 χ^2/NDF: 62.9/82

- sign 0.000+/-0.000 χ^2/NDF: 25.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

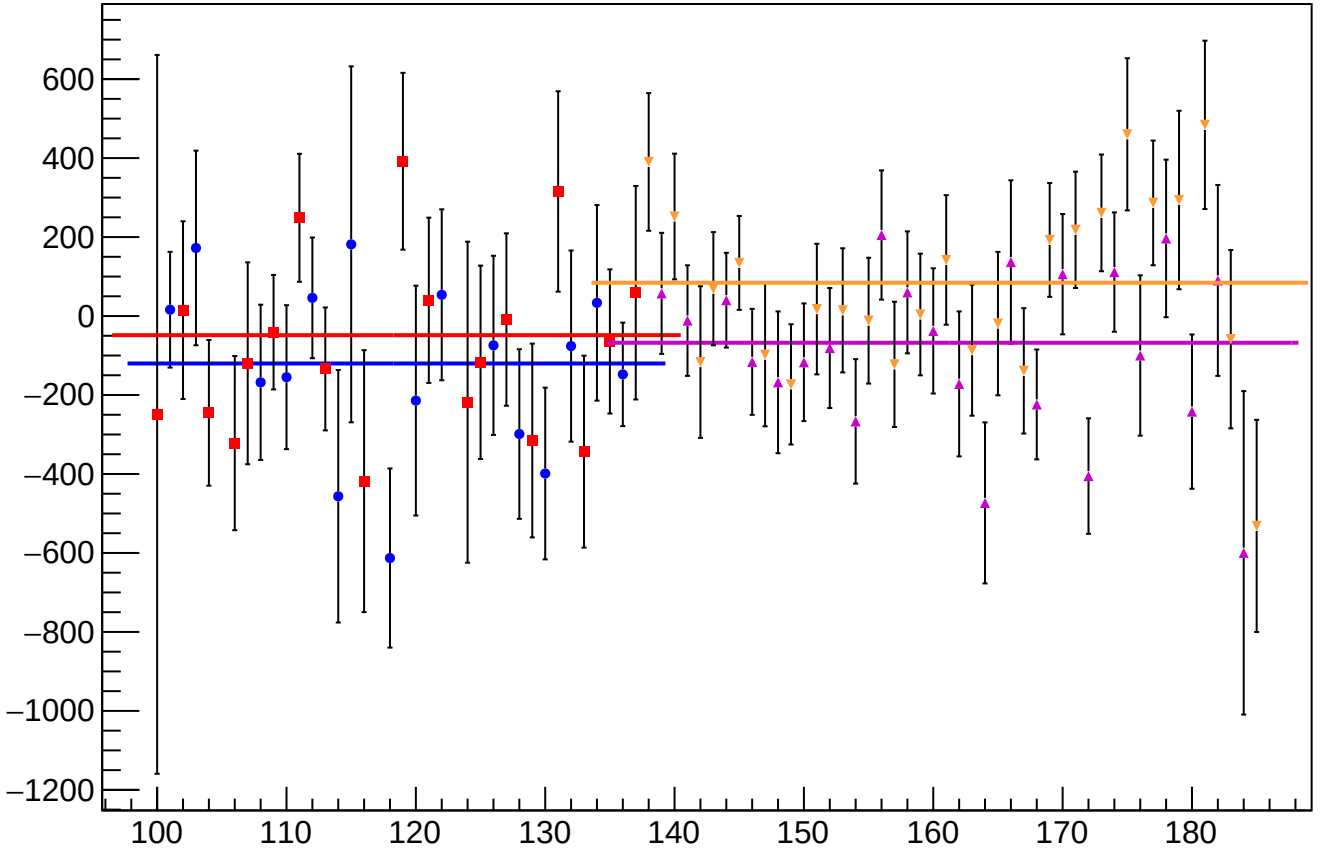
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8596809.2/40

All: 0.000+/-0.000 χ^2/NDF: 17878952.2/82

- sign 0.000+/-0.000 χ^2/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: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

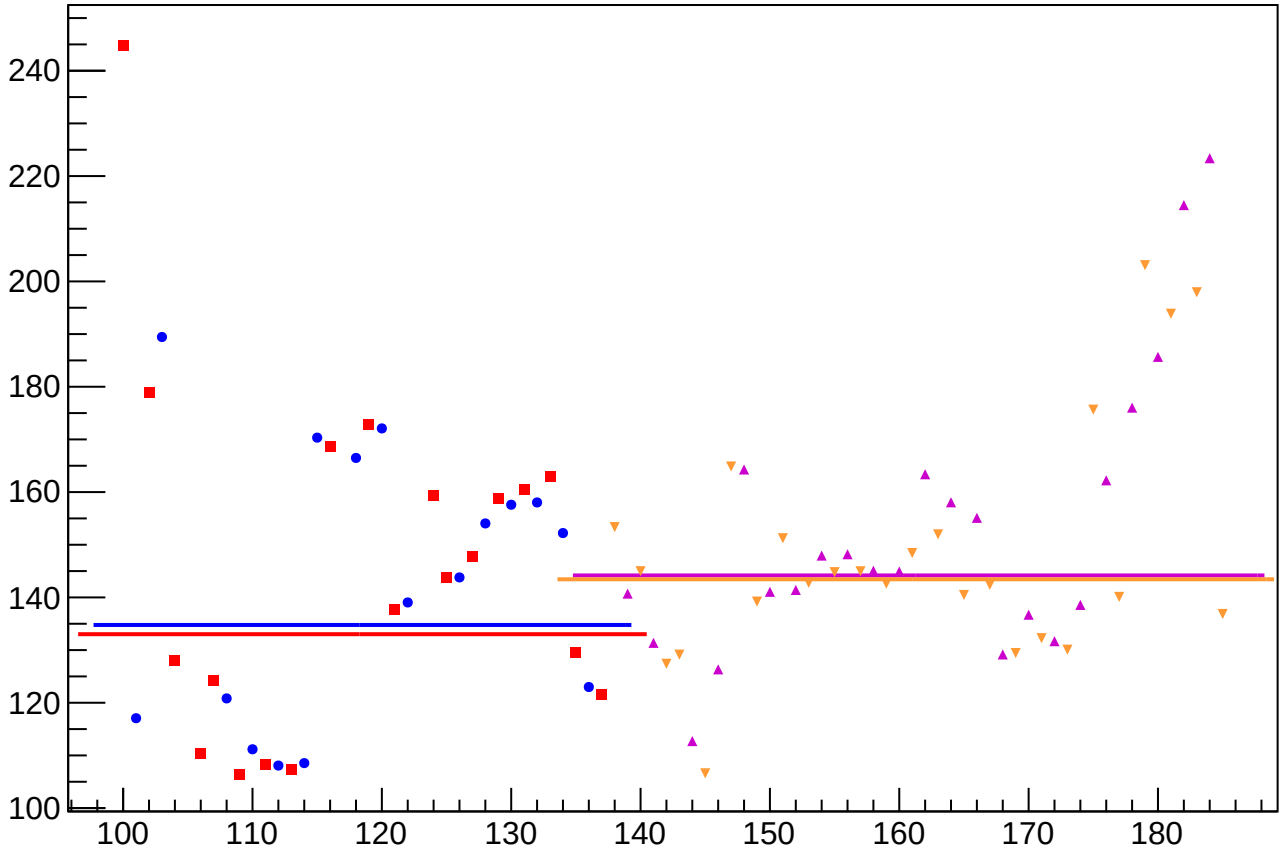
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 24.057+/-27.743 χ^2/NDF: 58.5/40

All: -18.072+/-19.769 χ^2/NDF: 106.8/82

- 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: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

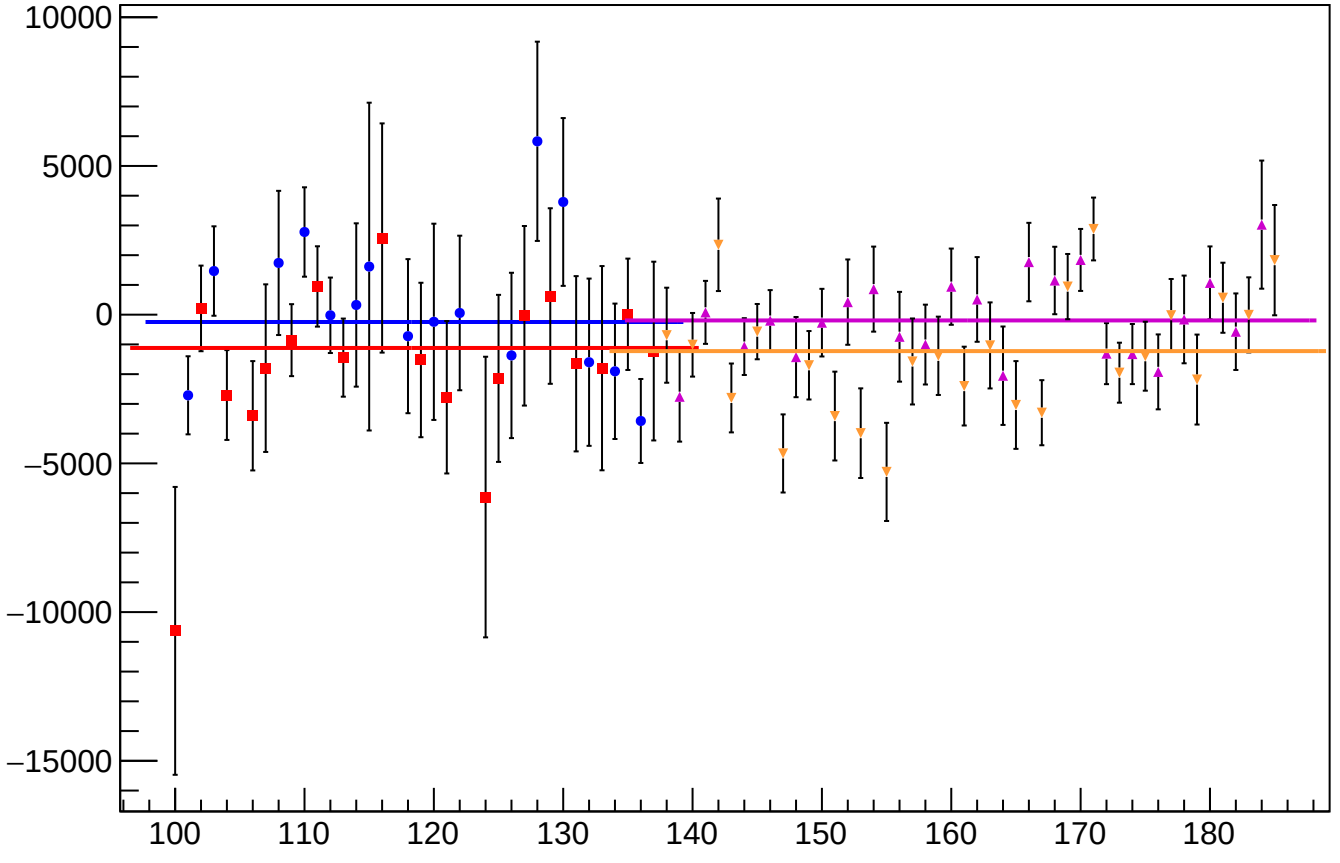
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 140.888+/-0.020 χ^2/NDF: 1204441.8/40

All: 140.754+/-0.014 χ^2/NDF: 2470984.6/82

- 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: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

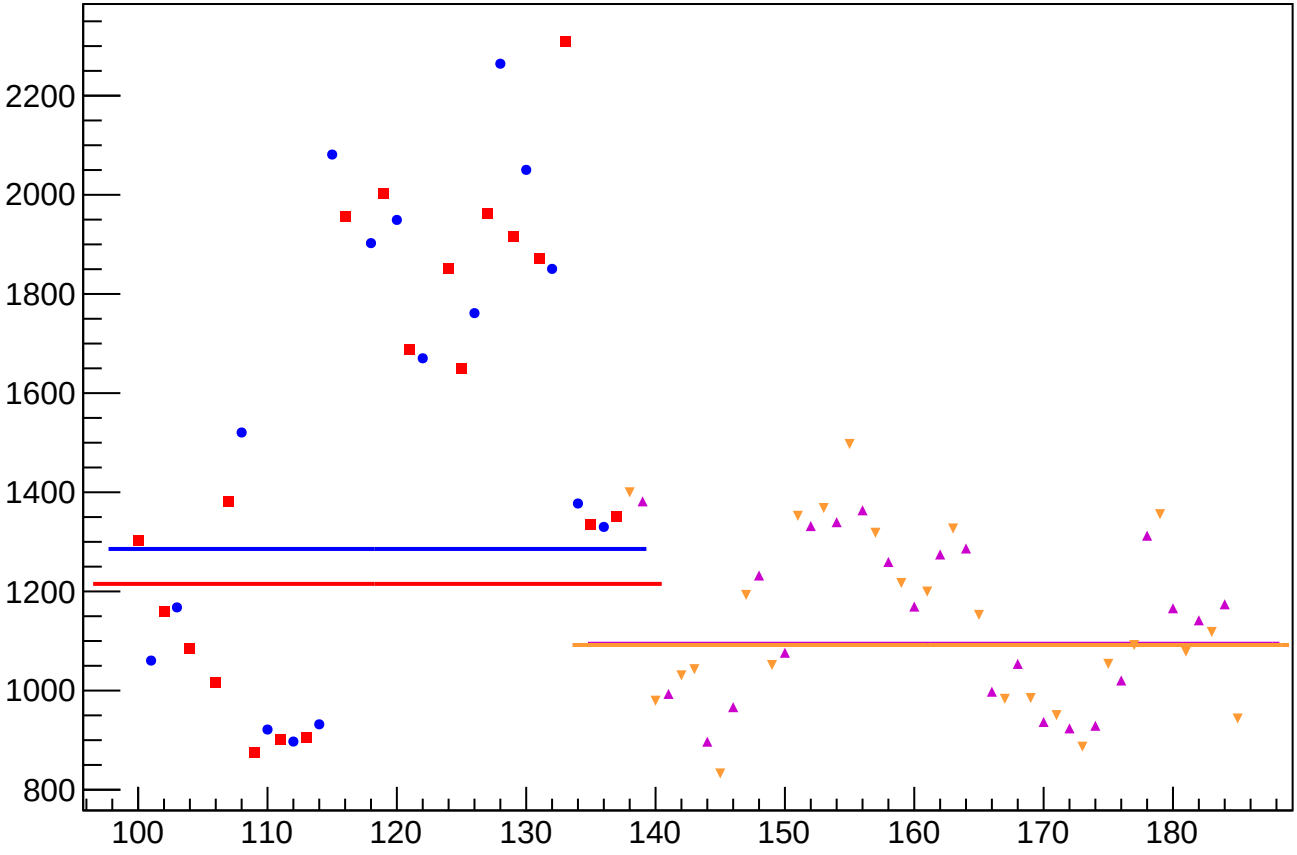
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1027.985+/-224.997 χ^2/NDF: 83.9/40

All: -721.413+/-159.662 χ^2/NDF: 127.3/82

- 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: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

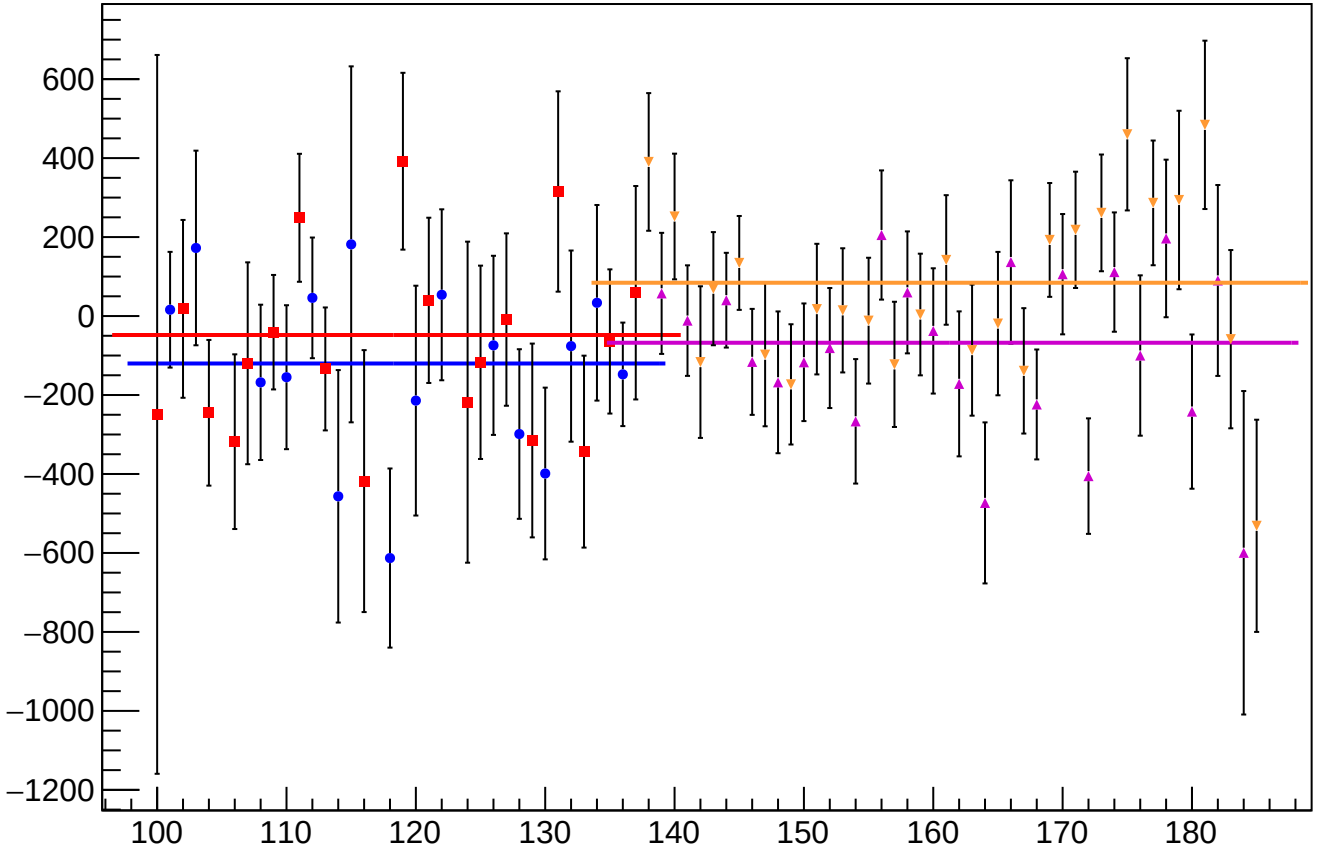
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1130.980+/-0.159 χ^2/NDF: 2301221.5/40

All: 1126.890+/-0.113 χ^2/NDF: 4523638.4/82

- 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: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

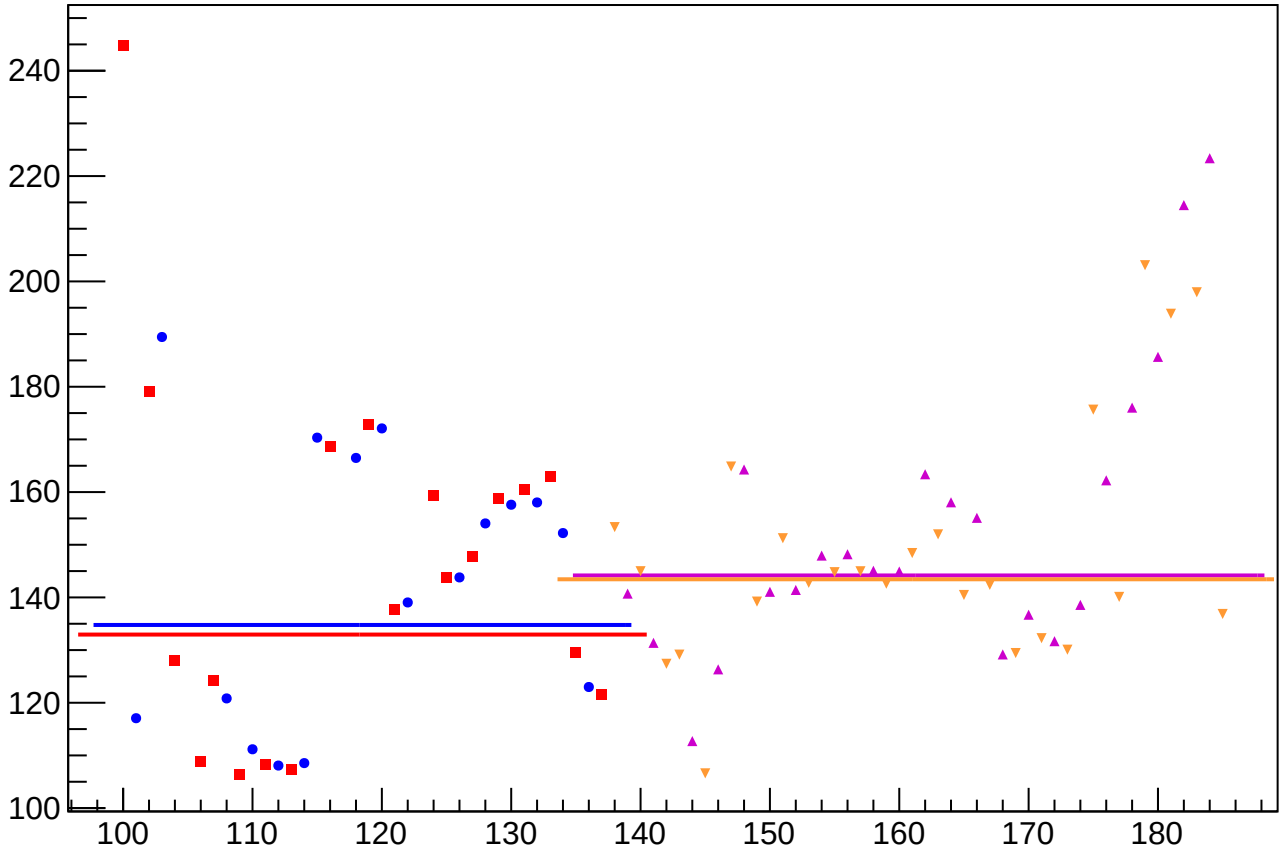
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.064+/-27.743 χ^2/NDF: 58.5/40

All: -17.999+/-19.769 χ^2/NDF: 106.8/82

- 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: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

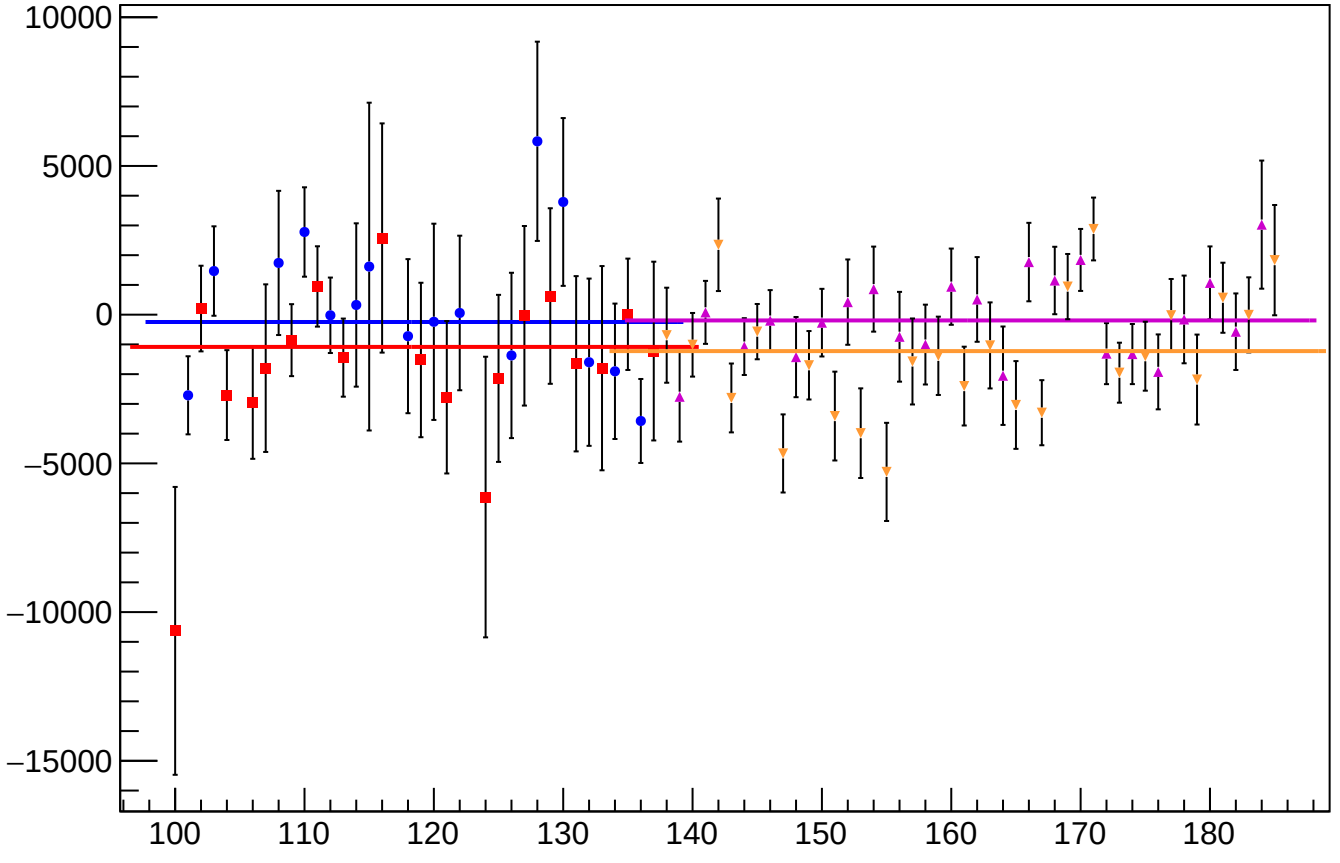
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 140.888+/-0.020 χ^2/NDF: 1204444.7/40

All: 140.743+/-0.014 χ^2/NDF: 2475005.9/82

- 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: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

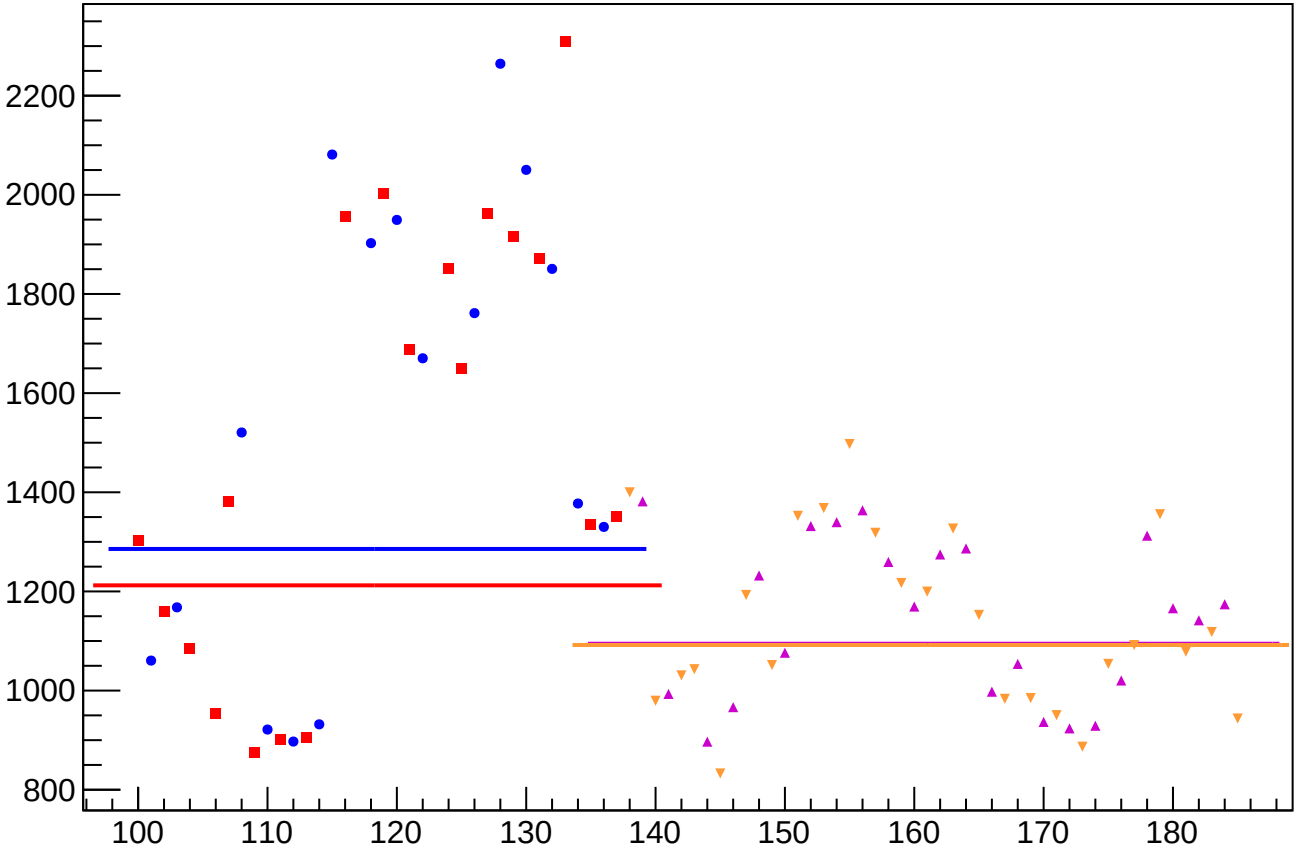
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1027.988+/-224.997 χ^2/NDF: 83.9/40

All: -717.143+/-159.699 χ^2/NDF: 126.6/82

- 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: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

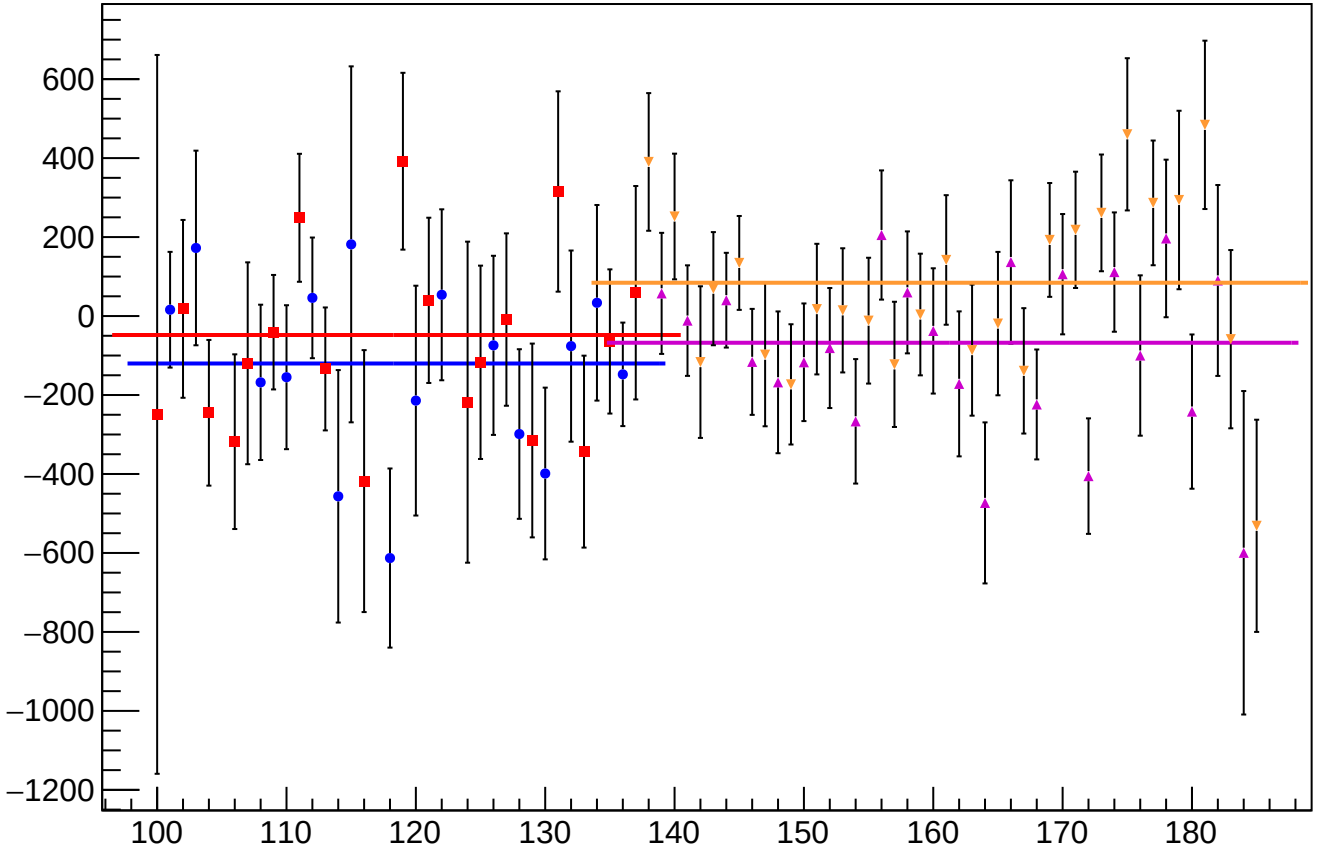
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1130.982+/-0.159 χ^2/NDF: 2301226.1/40

All: 1126.508+/-0.113 χ^2/NDF: 4533025.8/82

- 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: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

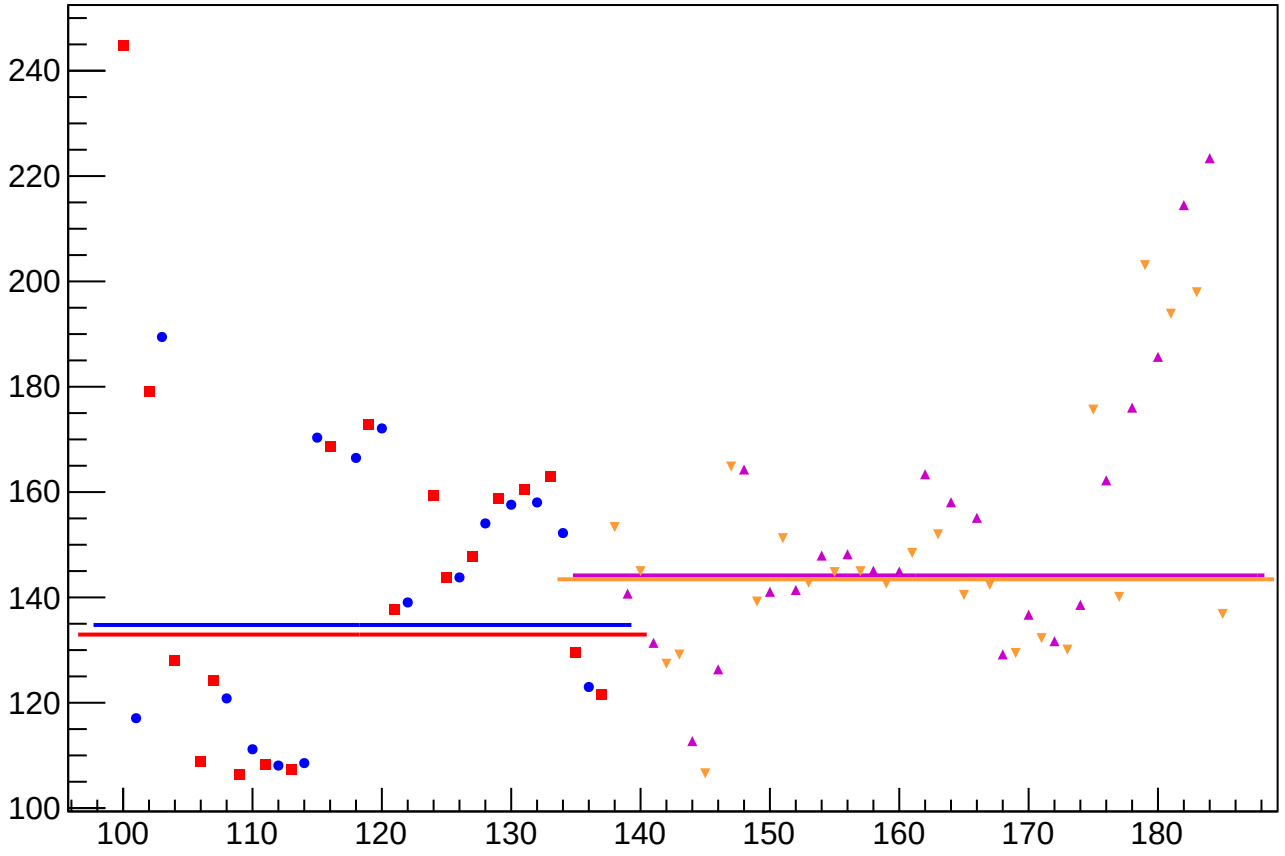
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.064+/-27.743 χ^2/NDF: 58.5/40

All: -17.999+/-19.769 χ^2/NDF: 106.8/82

- 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: 143.444+/-0.023 χ^2/NDF:747040.9/24

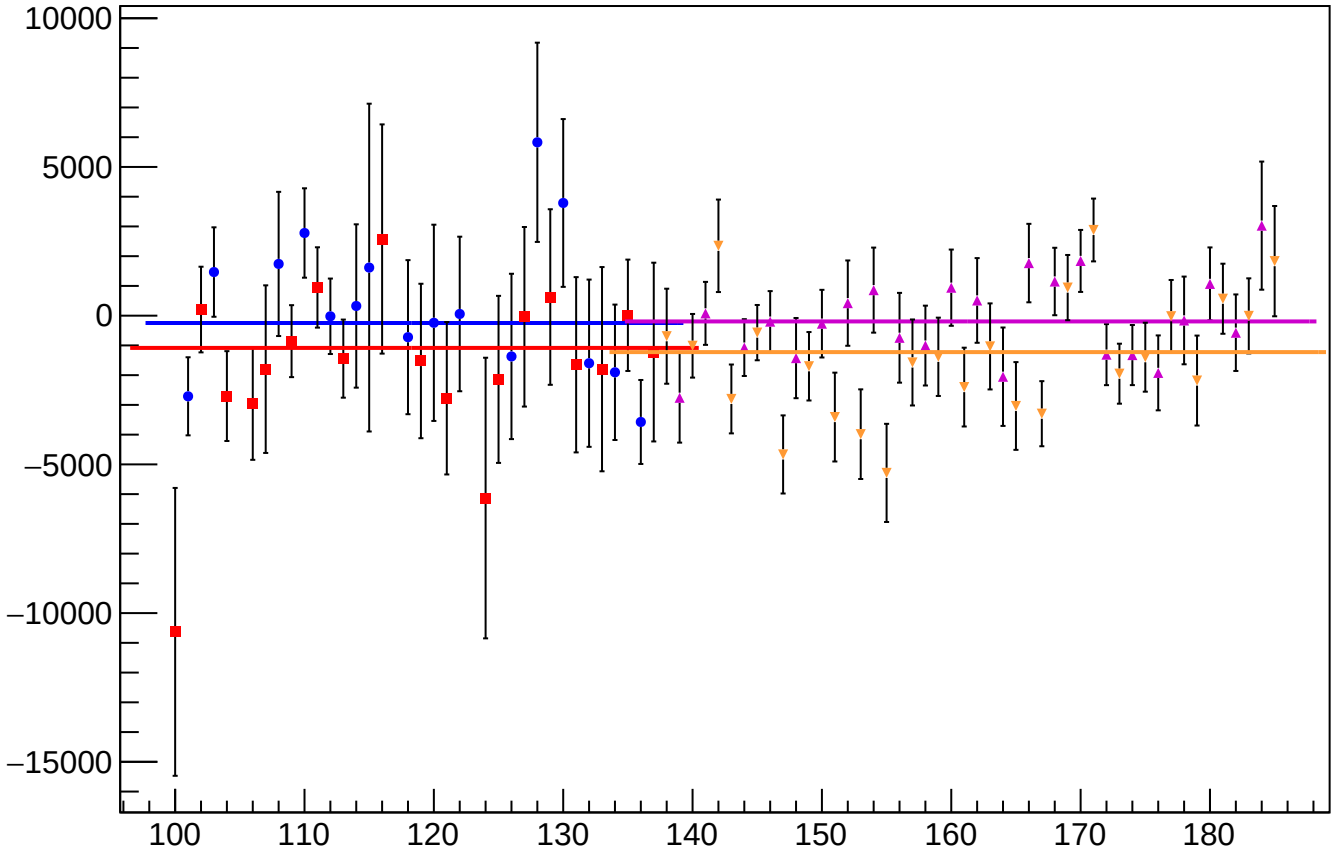
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 140.888+/-0.020 χ^2/NDF: 1204444.7/40

All: 140.743+/-0.014 χ^2/NDF: 2475005.9/82

- 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: -1225.031+/-251.767 χ^2/NDF:59.3/24

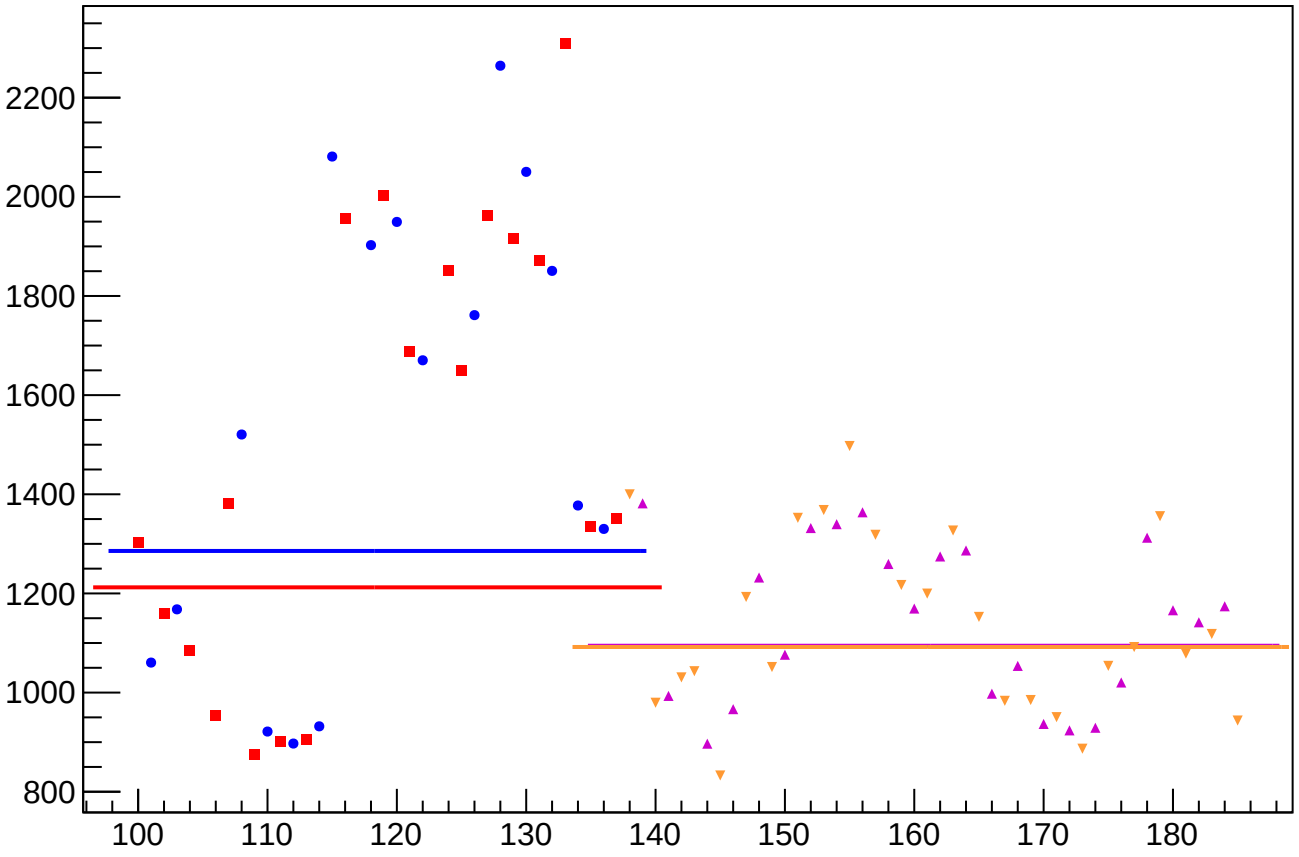
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

\+ sign -1027.988+/-224.997 χ^2/NDF: 83.9/40

All: -717.143+/-159.699 χ^2/NDF: 126.6/82

\- 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: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

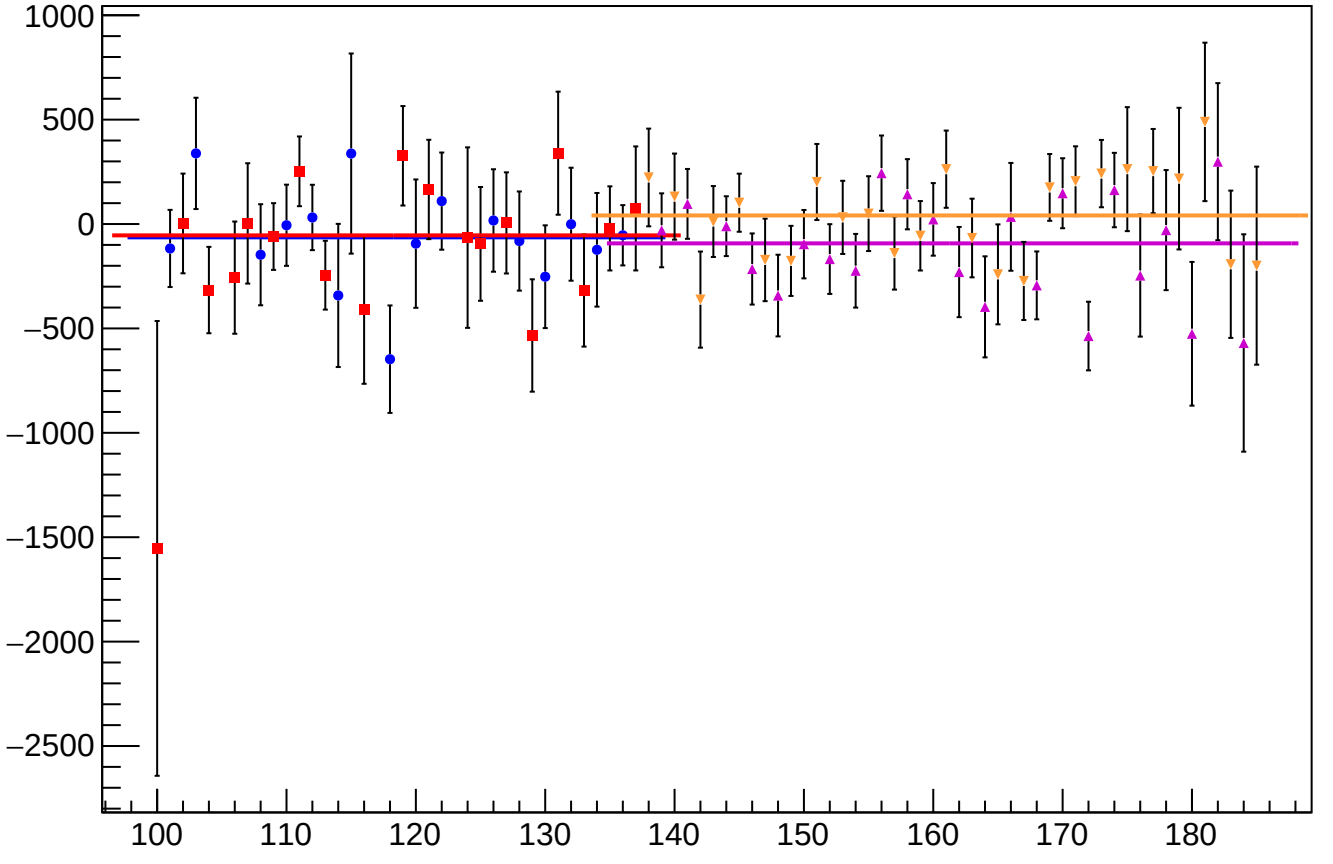
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1130.982+/-0.159 χ^2/NDF: 2301226.1/40

All: 1126.508+/-0.113 χ^2/NDF: 4533025.8/82

- 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: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

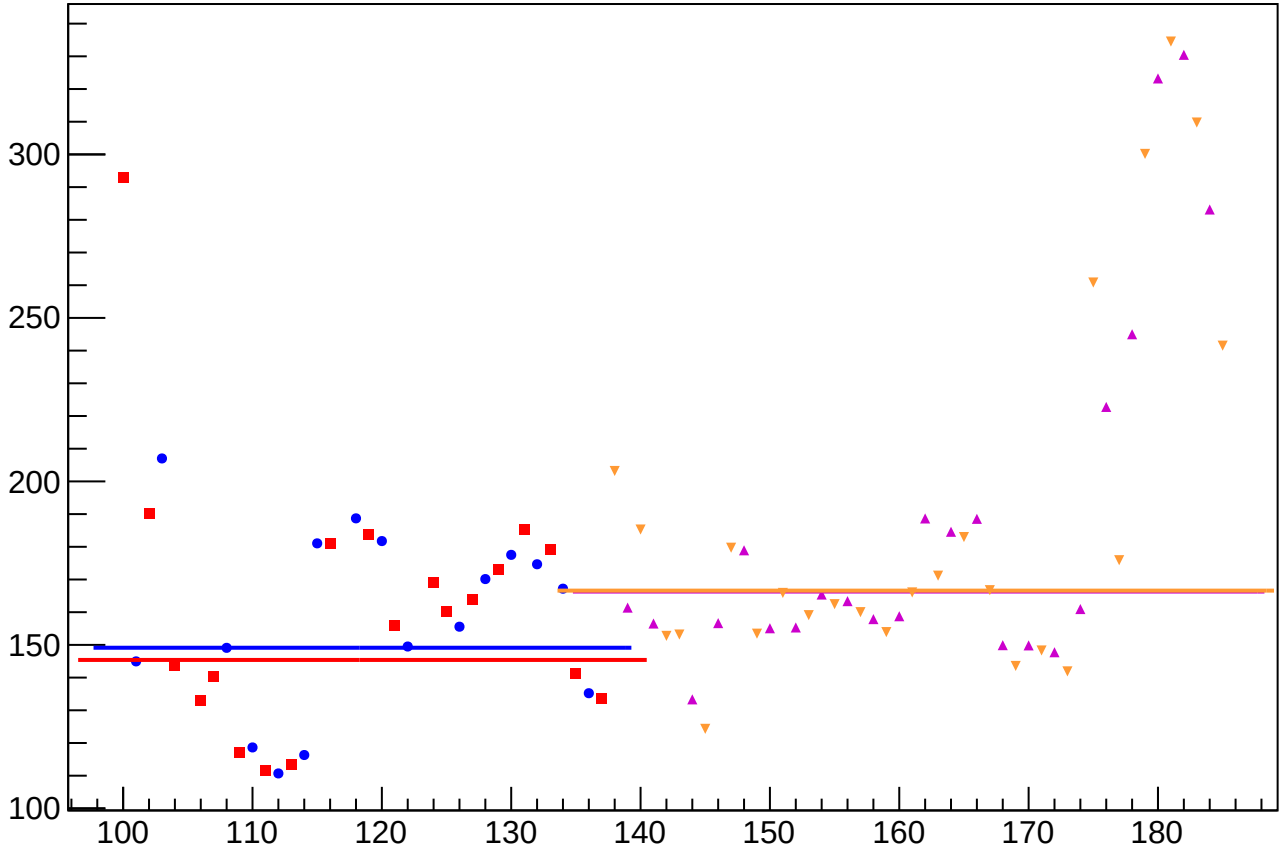
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 7.226+/-32.238 χ^2/NDF: 35.4/40

All: -35.777+/-22.847 χ^2/NDF: 88.3/82

- 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: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

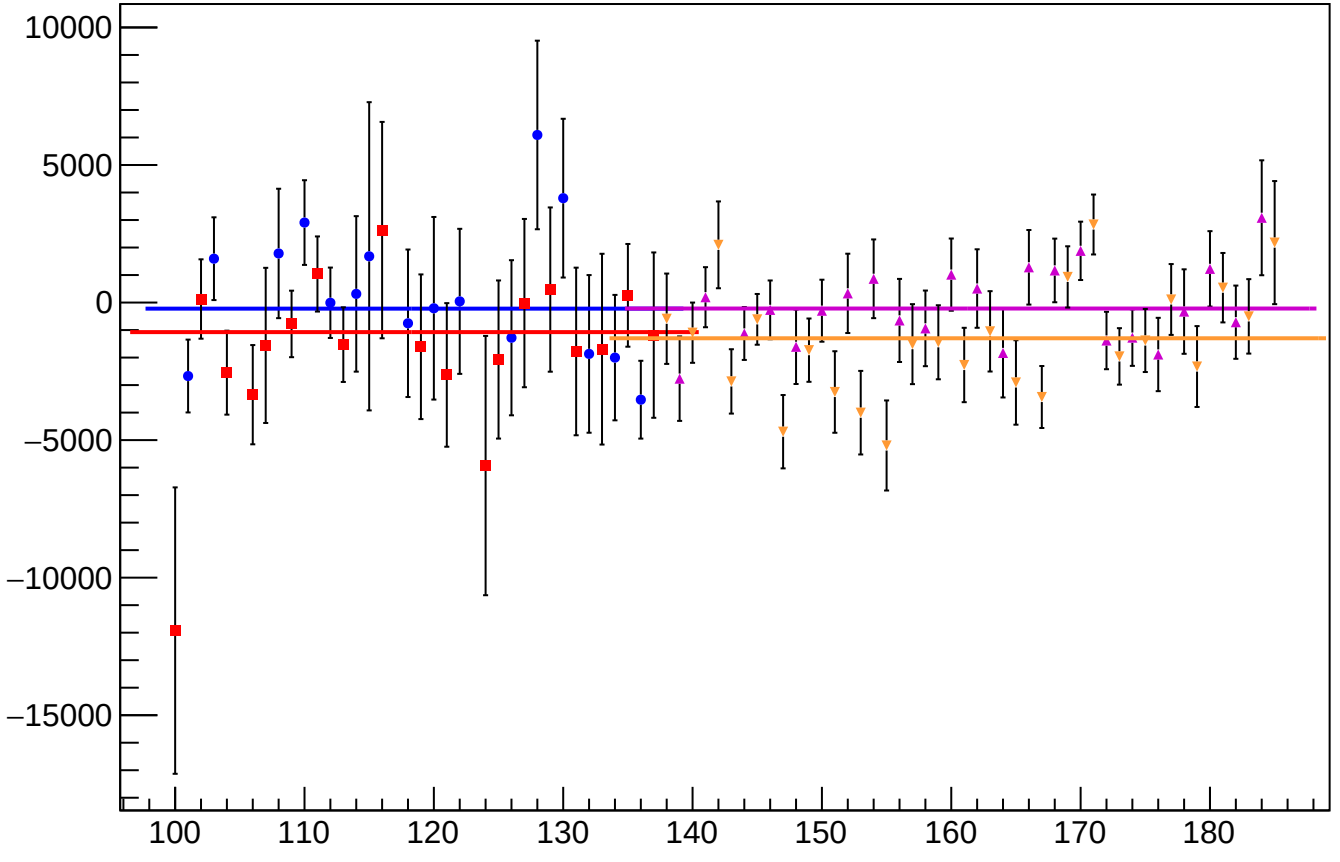
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 160.958+/-0.023 χ^2/NDF: 2299223.5/40

All: 159.979+/-0.016 χ^2/NDF: 4410883.8/82

- 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: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

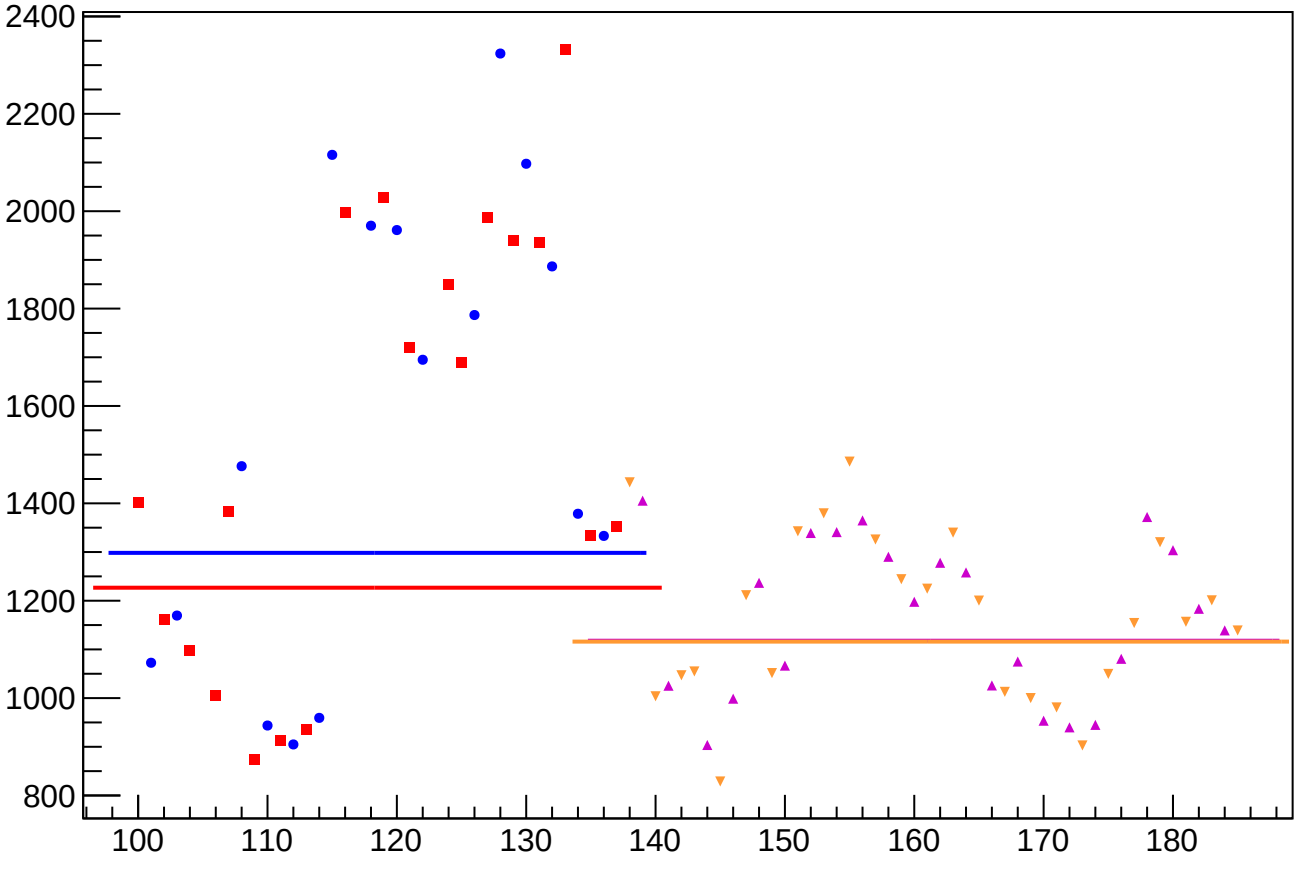
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1077.649+/-229.130 χ^2/NDF: 80.6/40

All: -751.880+/-162.593 χ^2/NDF: 123.0/82

- 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: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

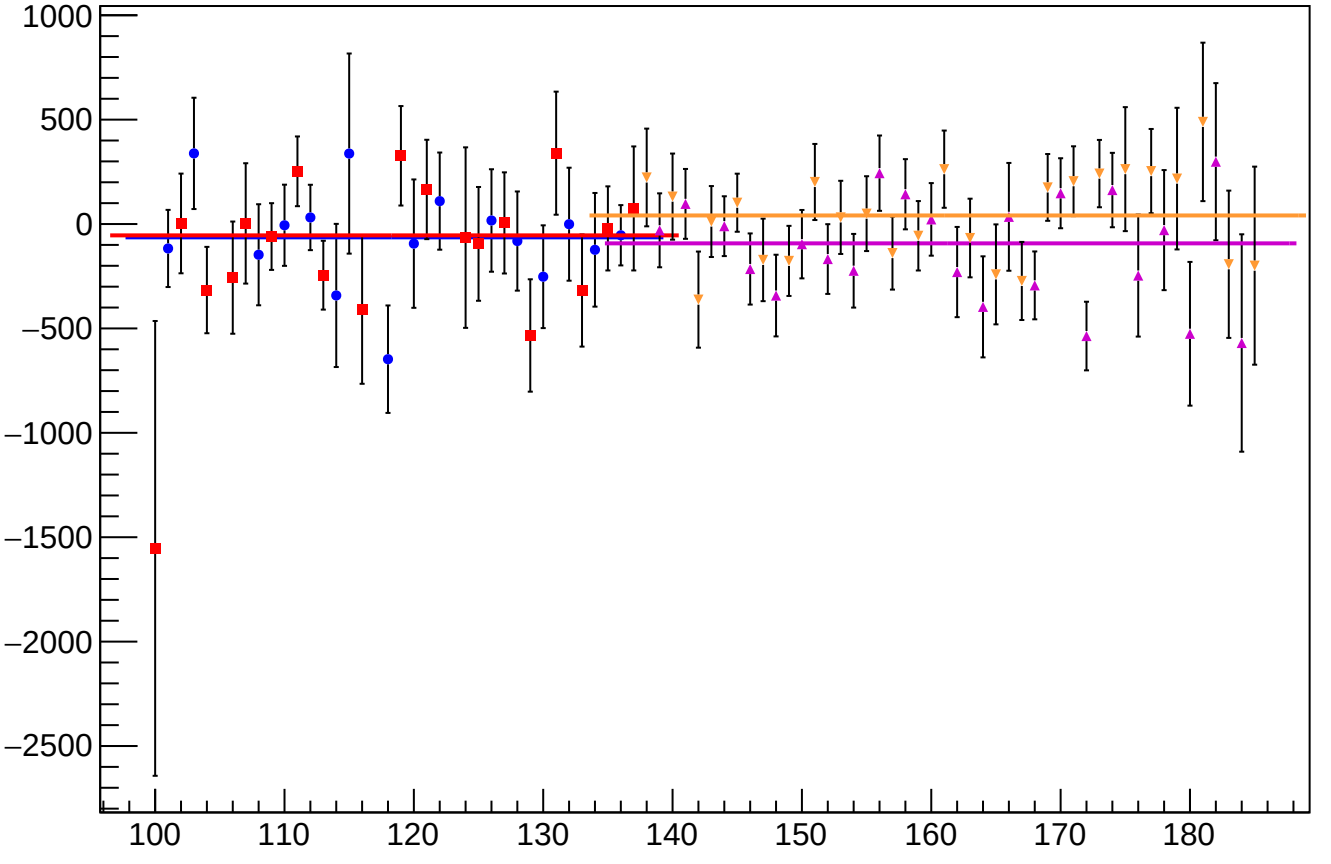
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1153.376+/-0.162 χ^2/NDF: 2255766.3/40

All: 1148.607+/-0.115 χ^2/NDF: 4472240.5/82

- 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: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

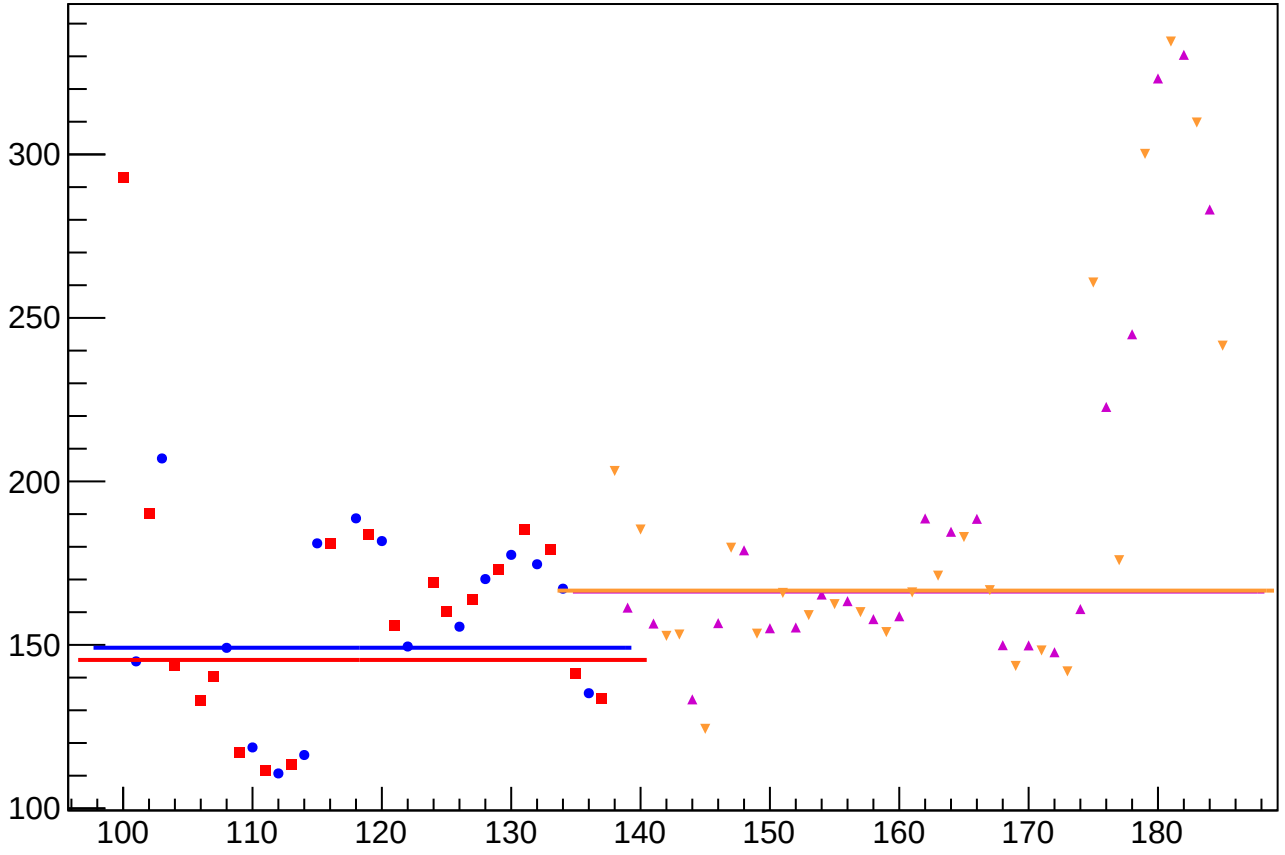
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 7.229+/-32.238 χ^2/NDF: 35.4/40

All: -35.775+/-22.847 χ^2/NDF: 88.3/82

- 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: 166.599+/-0.028 χ^2/NDF:1719829.4/24

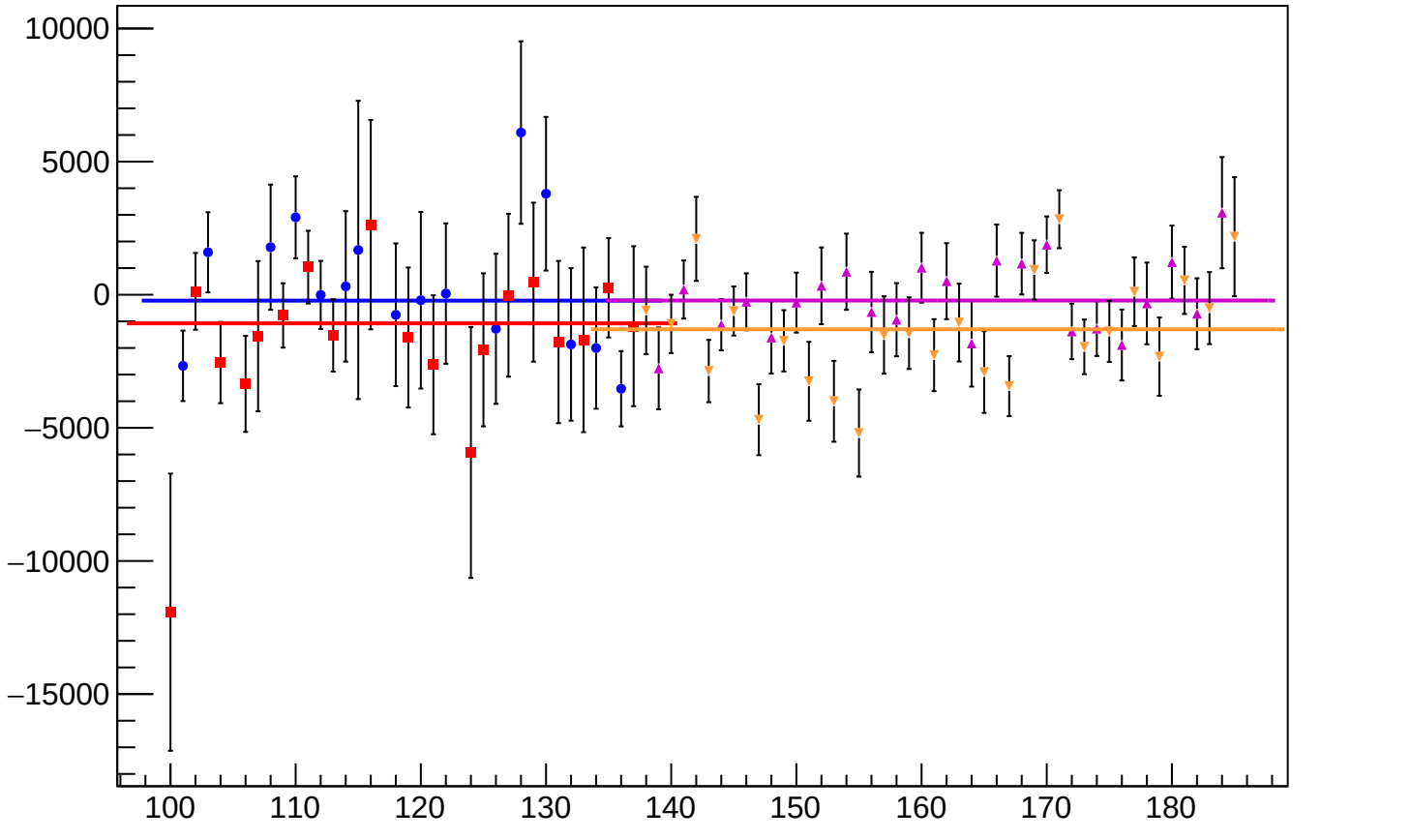
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 160.959+/-0.023 χ^2/NDF: 2299222.6/40

All: 159.979+/-0.016 χ^2/NDF: 4410870.4/82

- 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: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

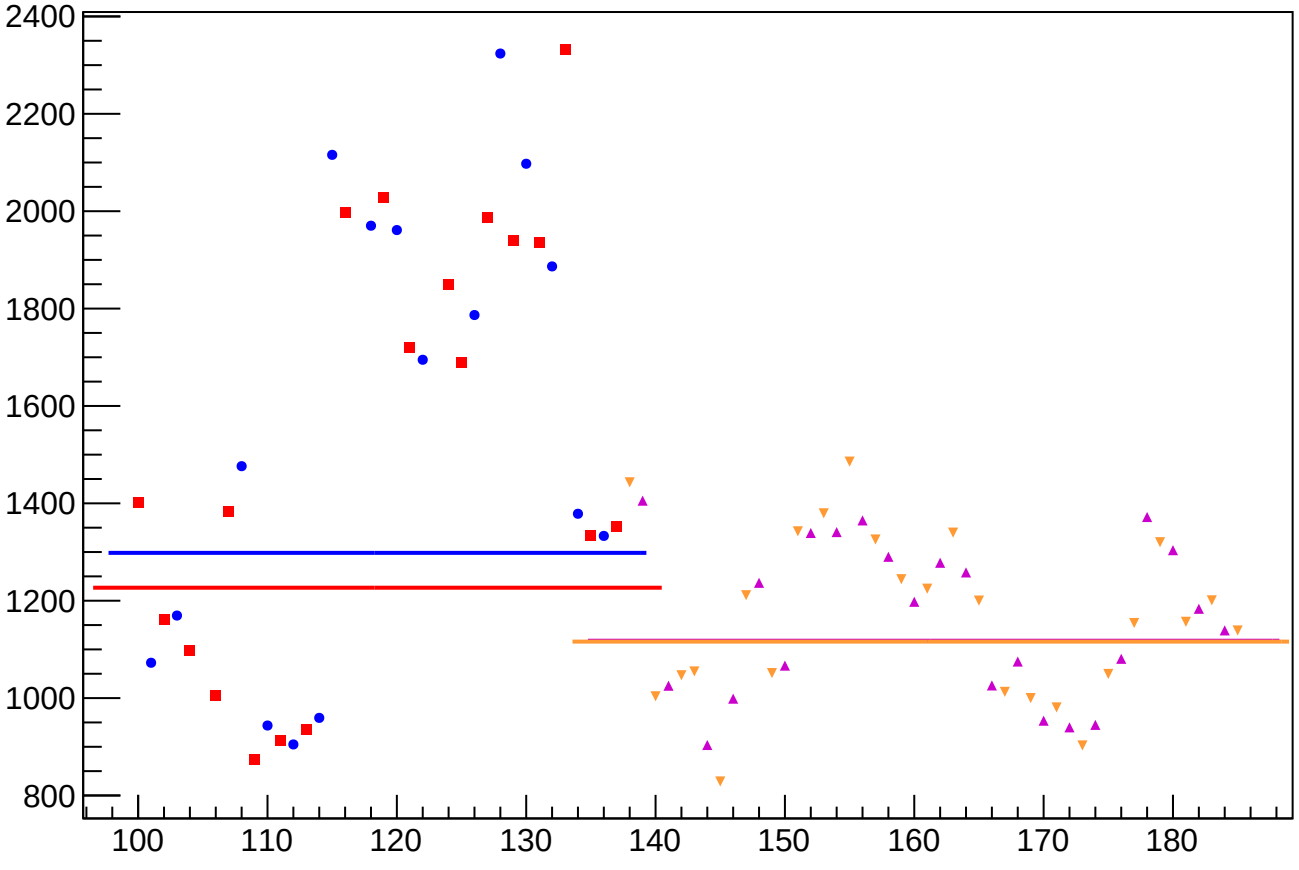
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1077.647+/-229.130 χ^2/NDF: 80.6/40

All: -751.879+/-162.593 χ^2/NDF: 123.0/82

- 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: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

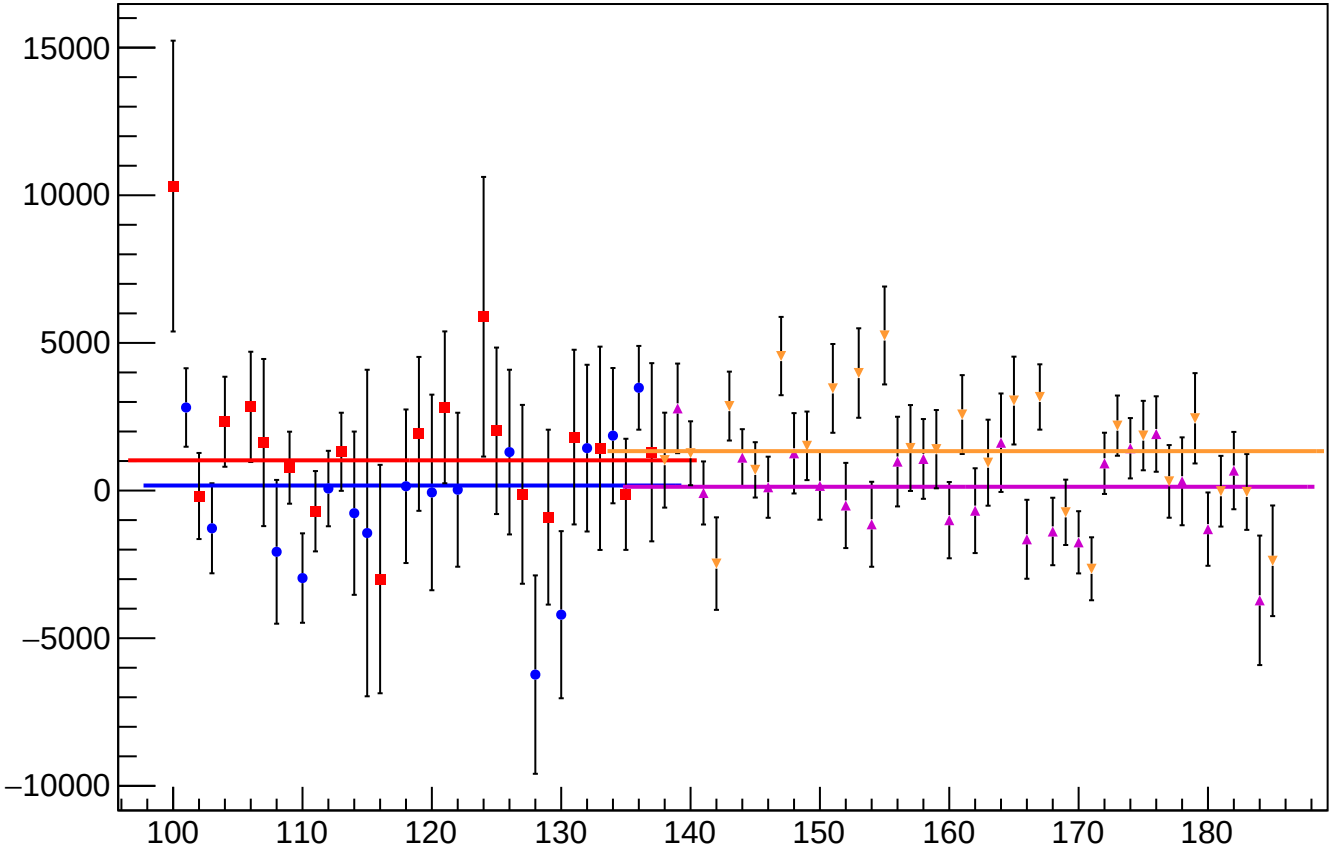
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1153.374+/-0.162 χ^2/NDF: 2255774.2/40

All: 1148.606+/-0.115 χ^2/NDF: 4472251.3/82

- 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: 1334.704+/-254.187 χ^2/NDF:55.7/24

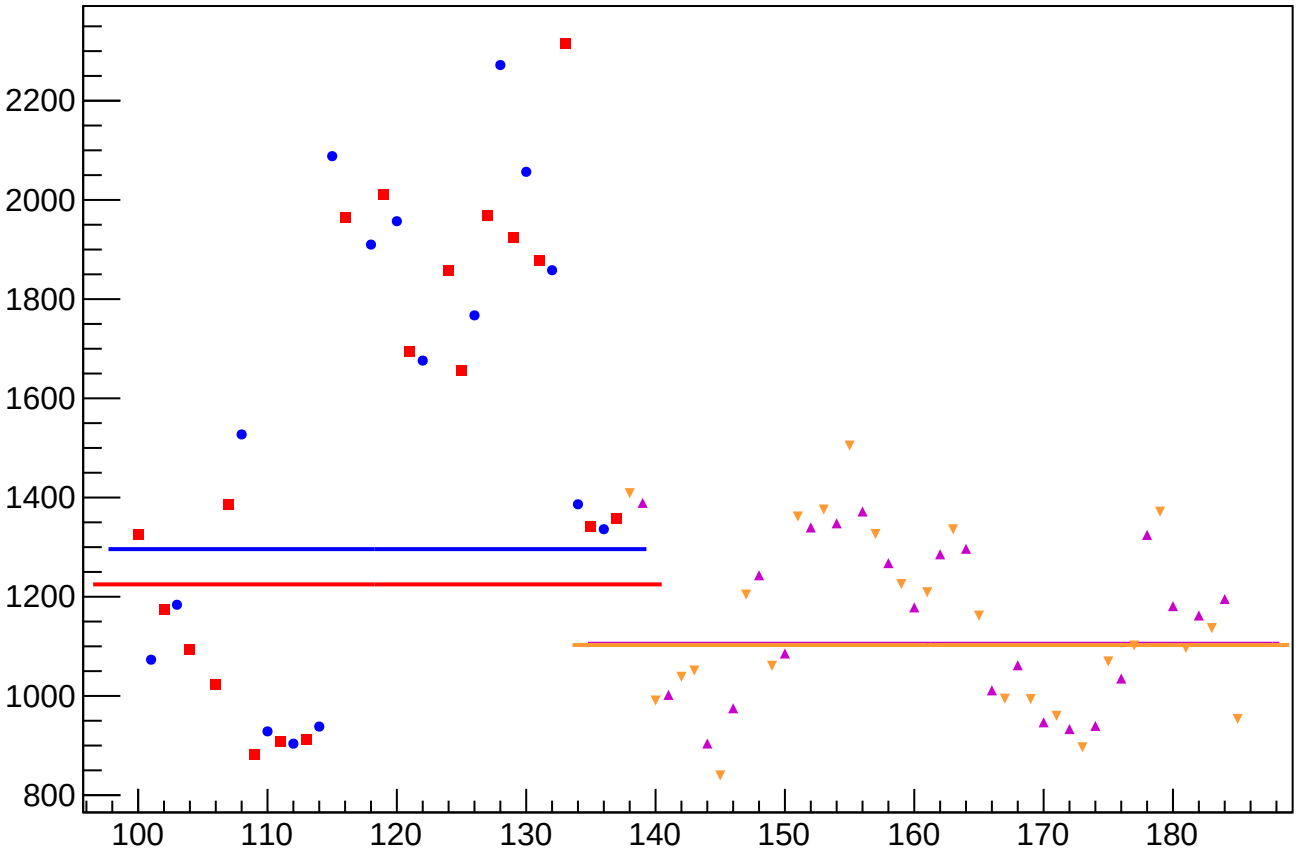
Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1099.586+/-227.060 χ^2/NDF: 82.5/40

All: 721.773+/-161.127 χ^2/NDF: 126.4/82

- sign 338.532+/-228.685 χ^2/NDF: 38.3/41



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

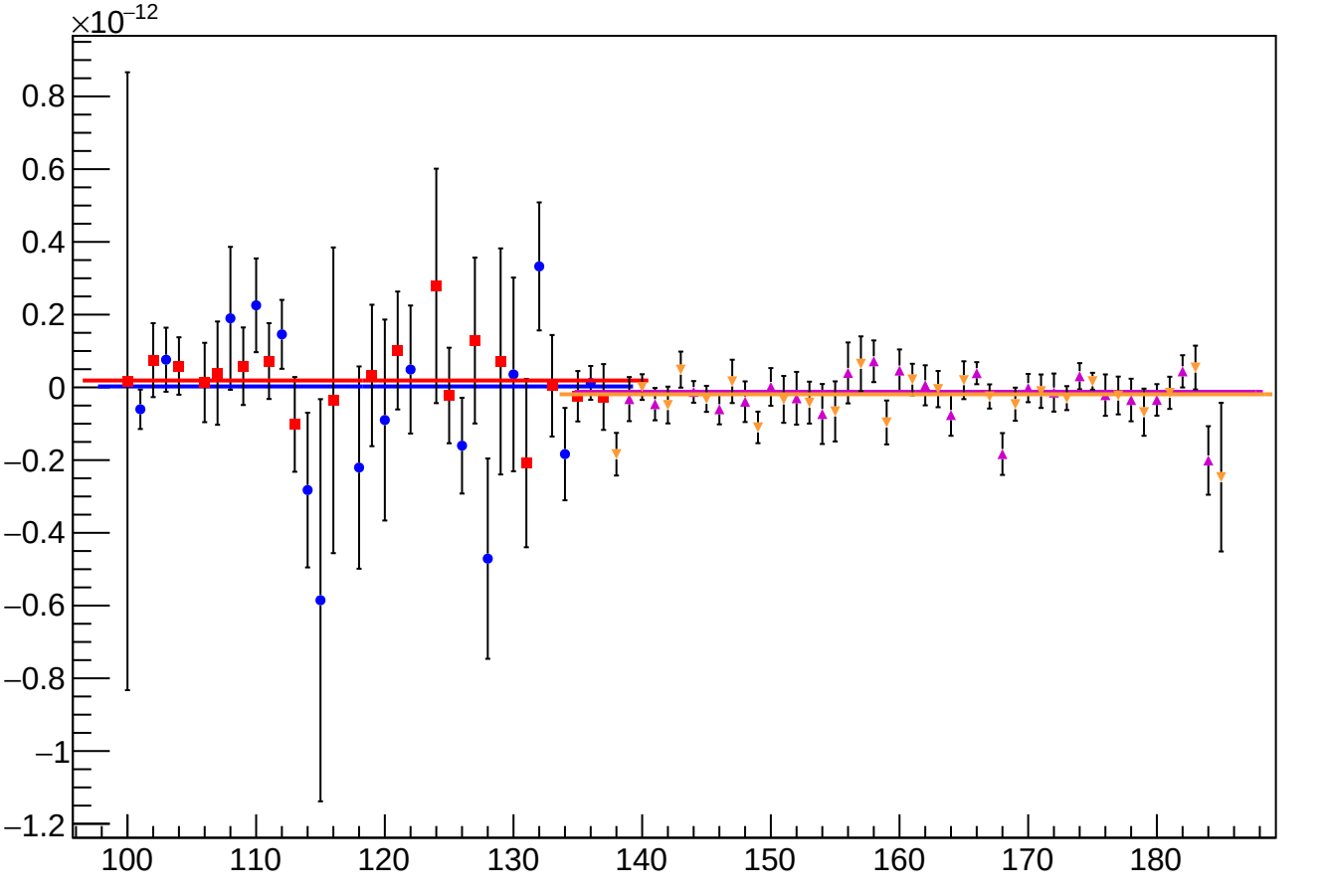
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1141.754+/-0.161 χ^2/NDF: 2268318.5/40

All: 1137.553+/-0.114 χ^2/NDF: 4462672.8/82

- sign 1133.291+/-0.162 χ^2/NDF: 2192974.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

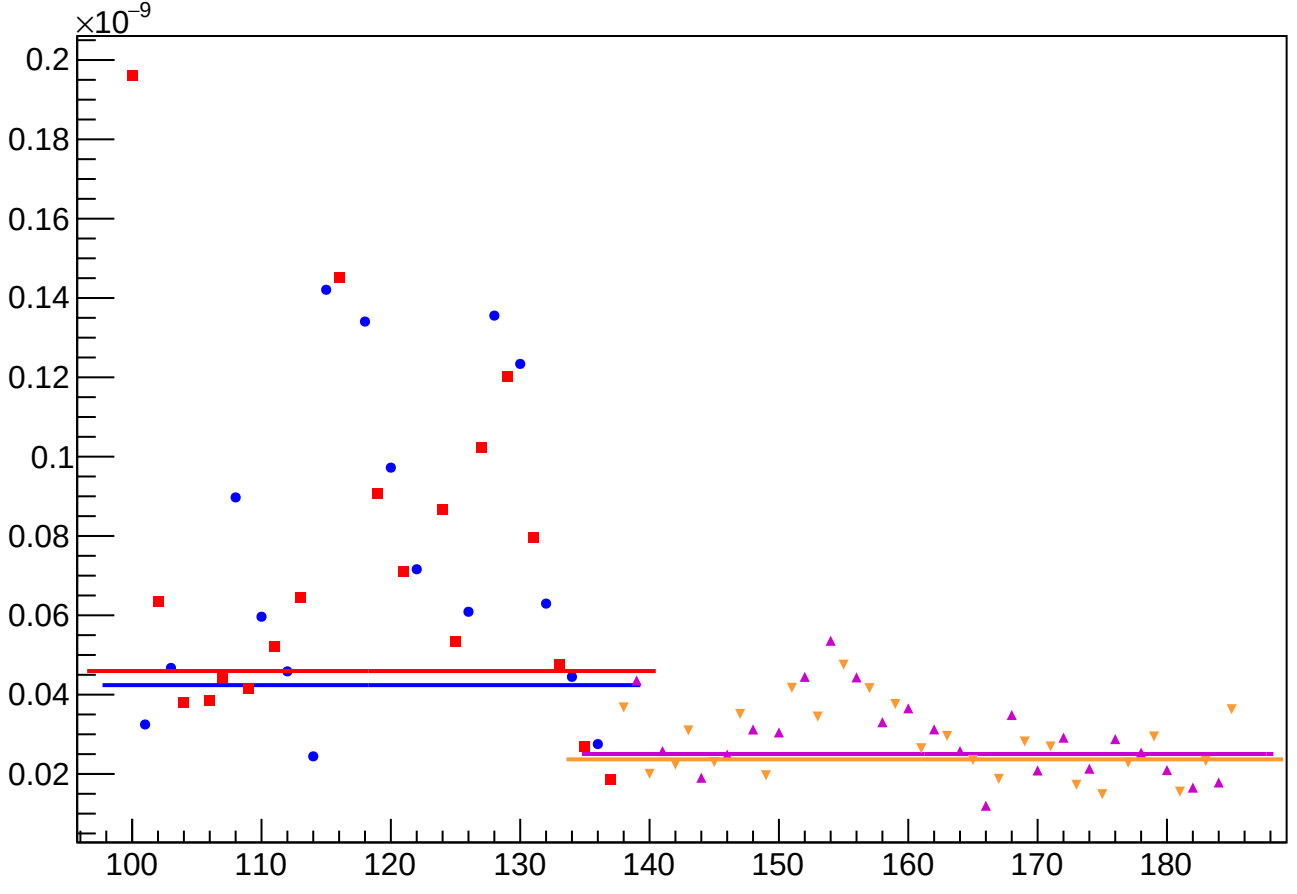
Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/40

All: -0.000+/-0.000 χ^2/NDF: 82.5/82

- sign -0.000+/-0.000 χ^2/NDF: 32.9/41

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

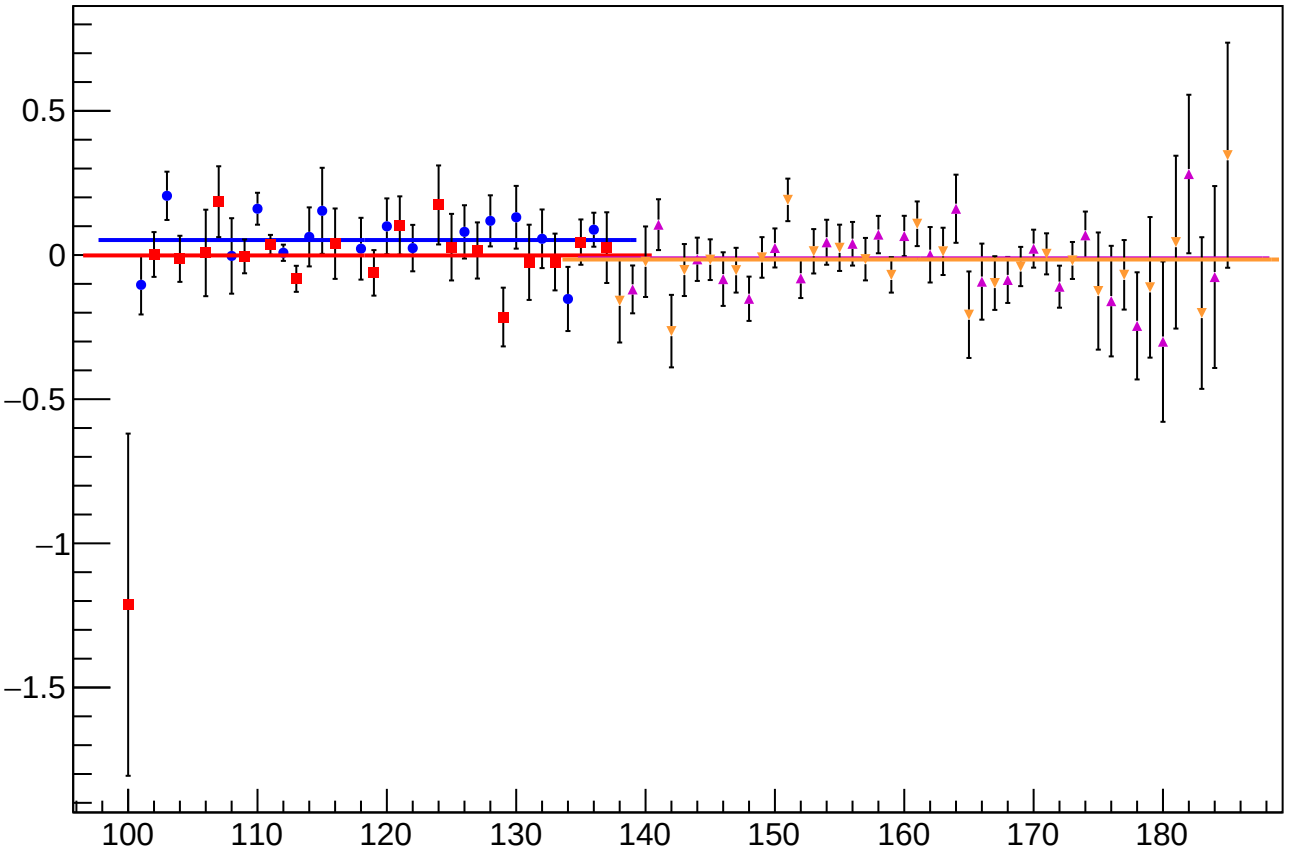
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 3646599.8/40

All: 0.000+/-0.000 χ^2/NDF: 7278915.3/82

- 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:21.6/24

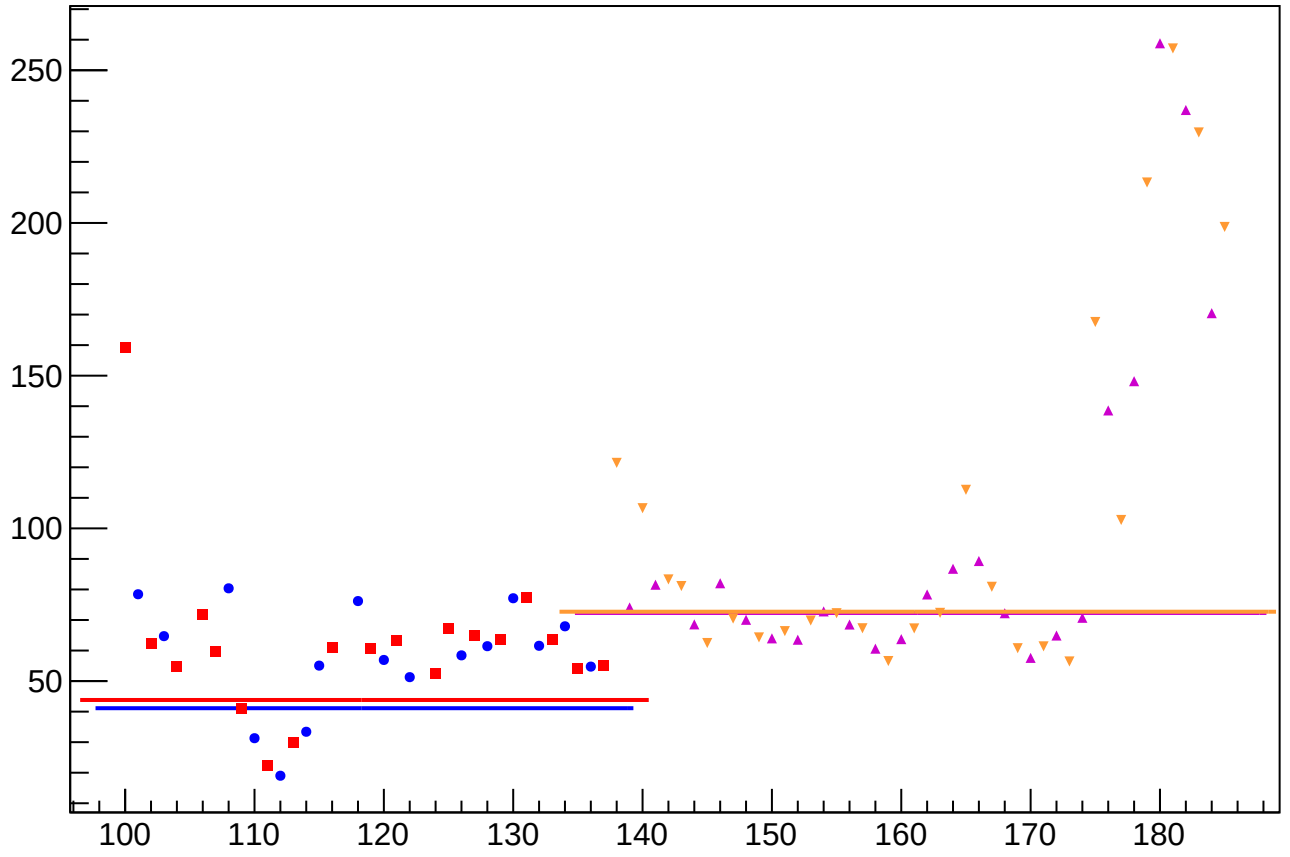
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 46.7/40

All: 0.006+/-0.009 χ^2/NDF: 91.4/82

- 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: 72.715+/-0.013 χ^2/NDF:3961158.6/24

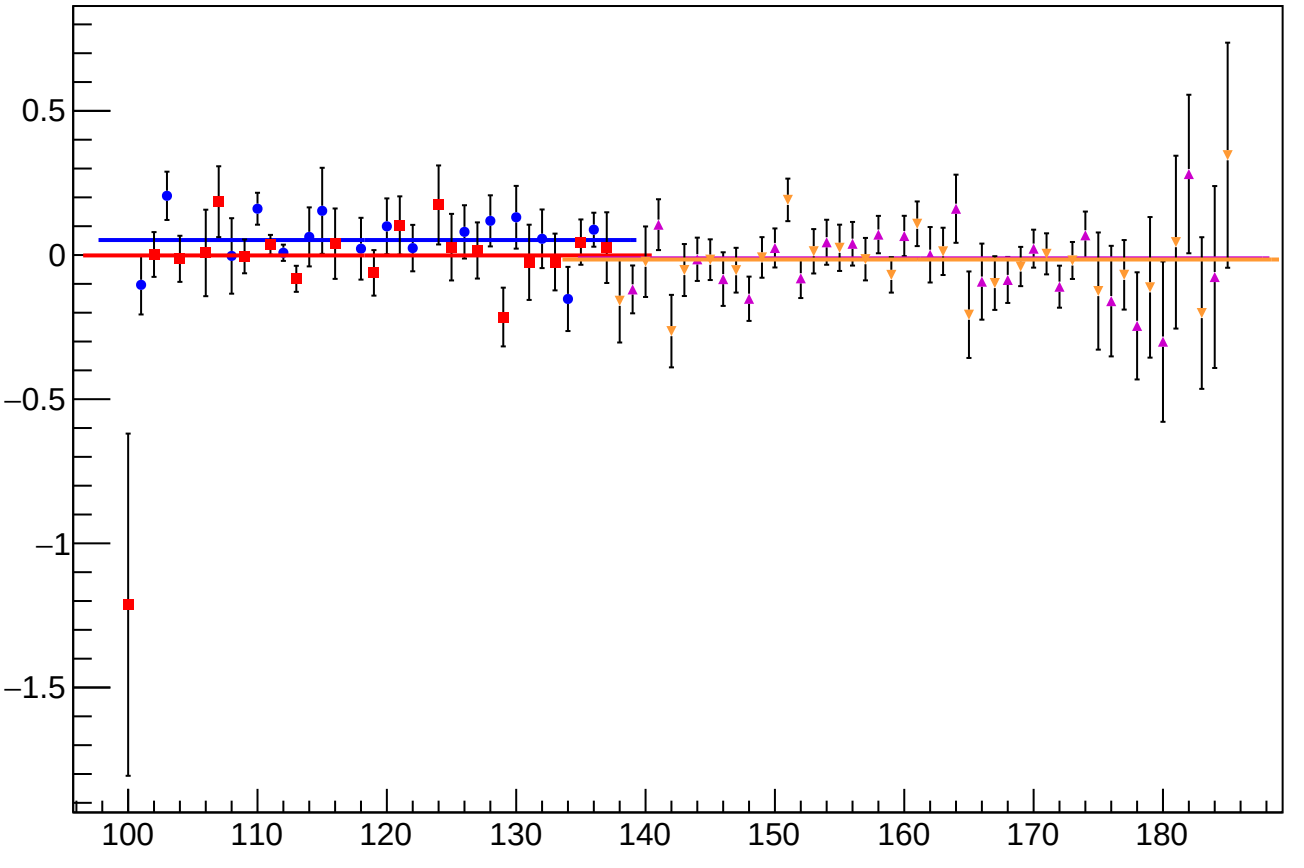
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 56.750+/-0.009 χ^2/NDF: 10013521.9/40

All: 57.268+/-0.006 χ^2/NDF: 17337769.8/82

- 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:21.6/24

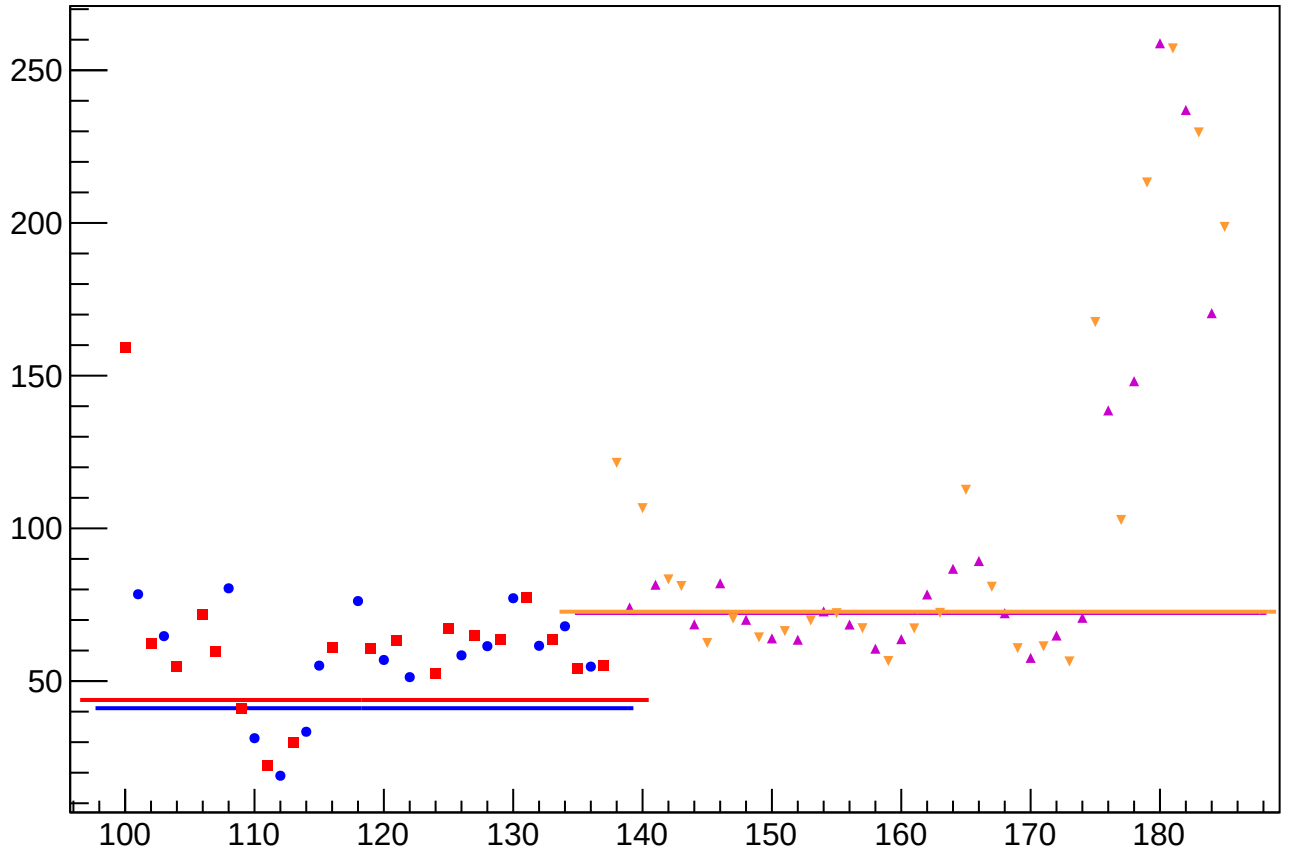
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 46.7/40

All: 0.006+/-0.009 χ^2/NDF: 91.4/82

- 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: 72.715+/-0.013 χ^2/NDF:3961158.6/24

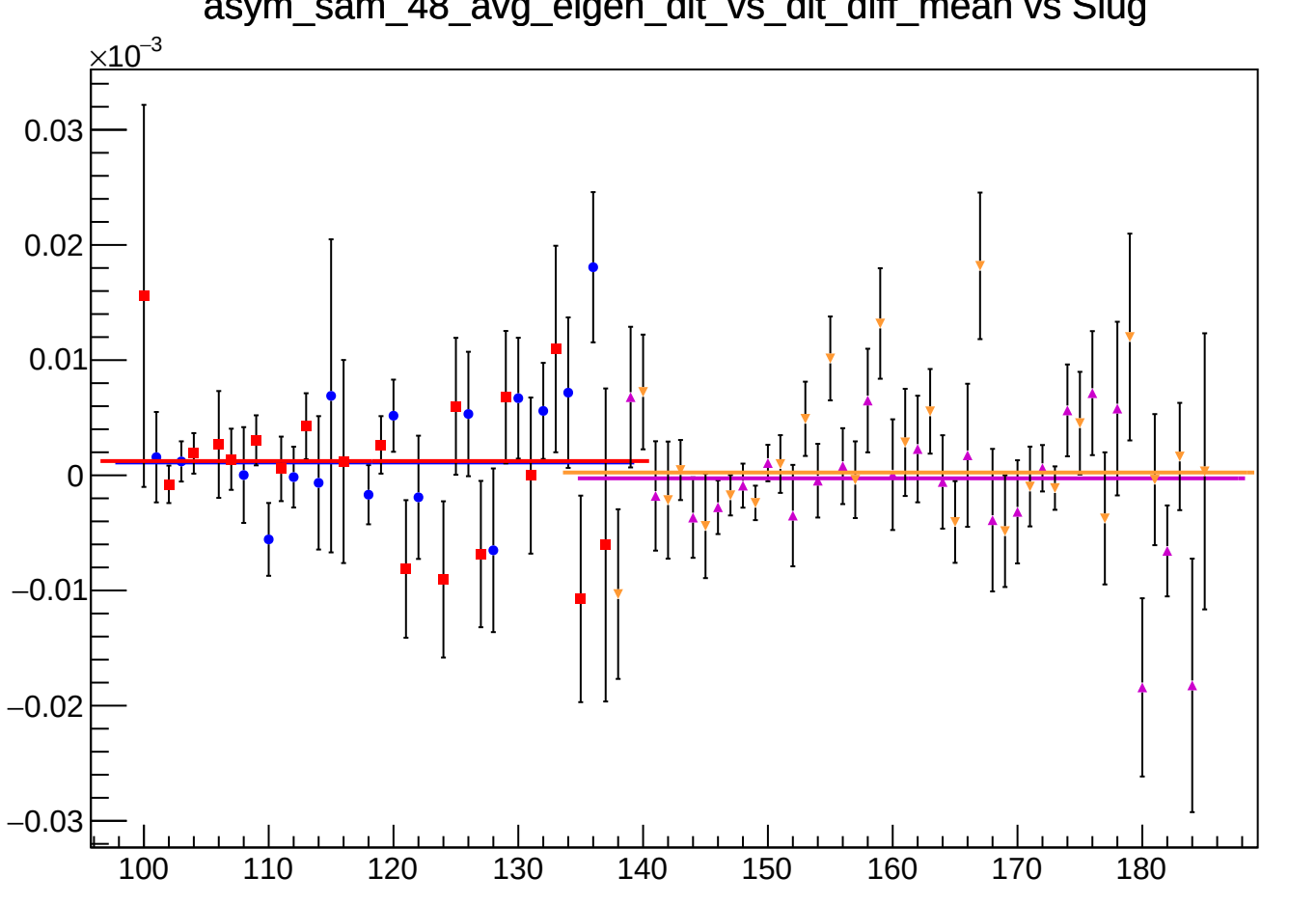
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 56.750+/-0.009 χ^2/NDF: 10013521.9/40

All: 57.268+/-0.006 χ^2/NDF: 17337769.8/82

- 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:43.4/24

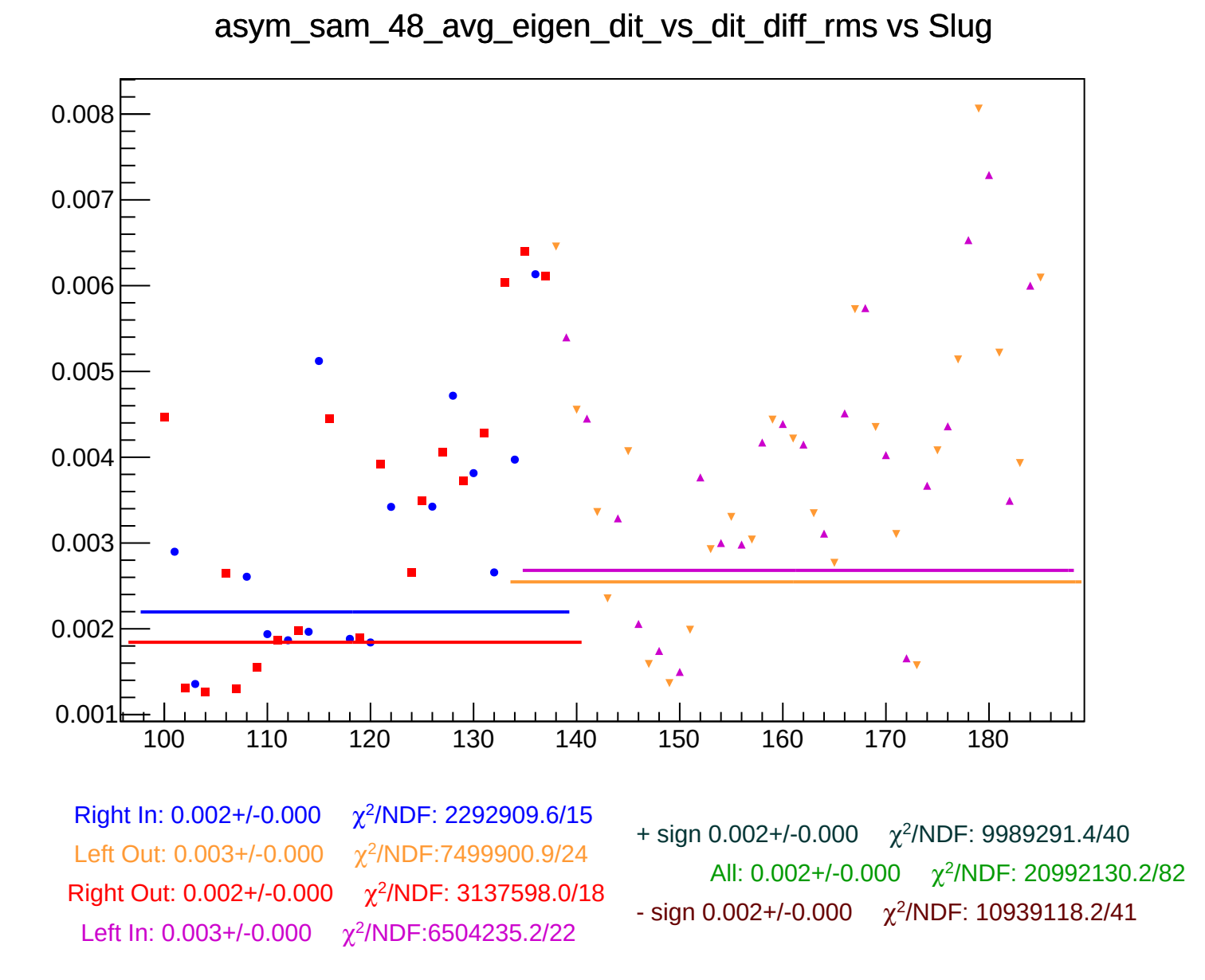
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/40

All: 0.000+/-0.000 χ^2/NDF: 106.0/82

- sign 0.000+/-0.000 χ^2/NDF: 42.1/41


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
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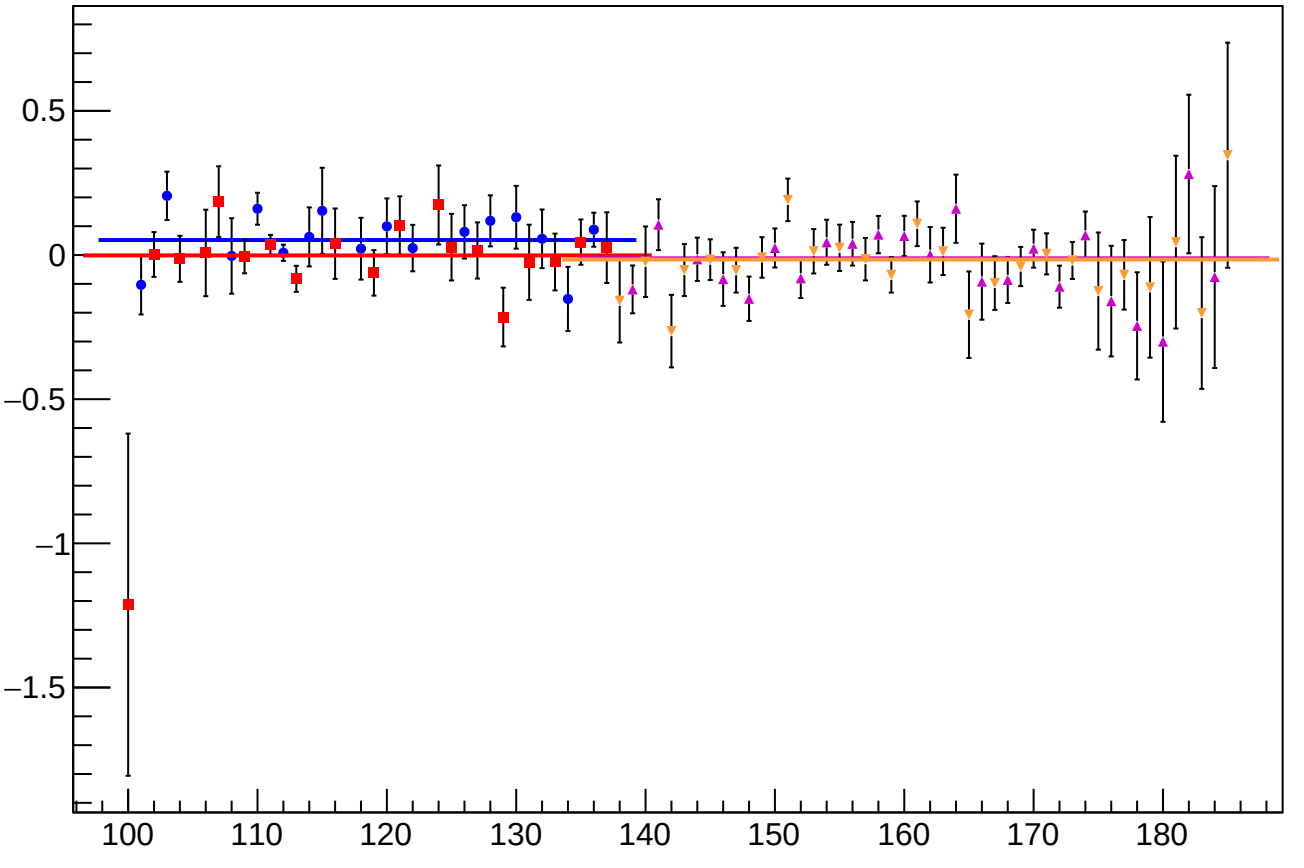
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2292909.6/15
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 9989291.4/40
All: 0.002+/-0.000 χ²/NDF: 20992130.2/82
- 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:21.6/24

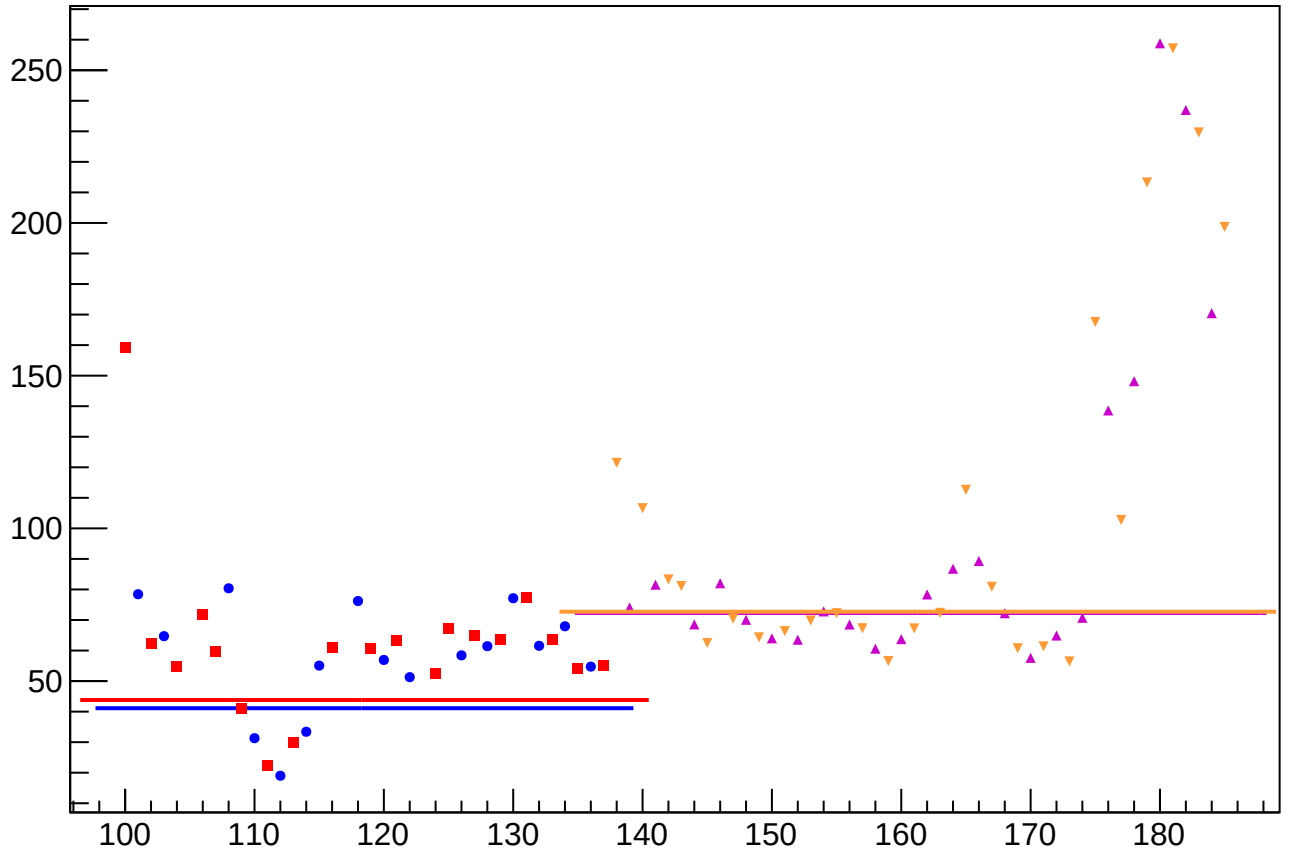
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 46.7/40

All: 0.006+/-0.009 χ^2/NDF: 91.4/82

- 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: 72.716+/-0.013 χ^2/NDF:3961100.5/24

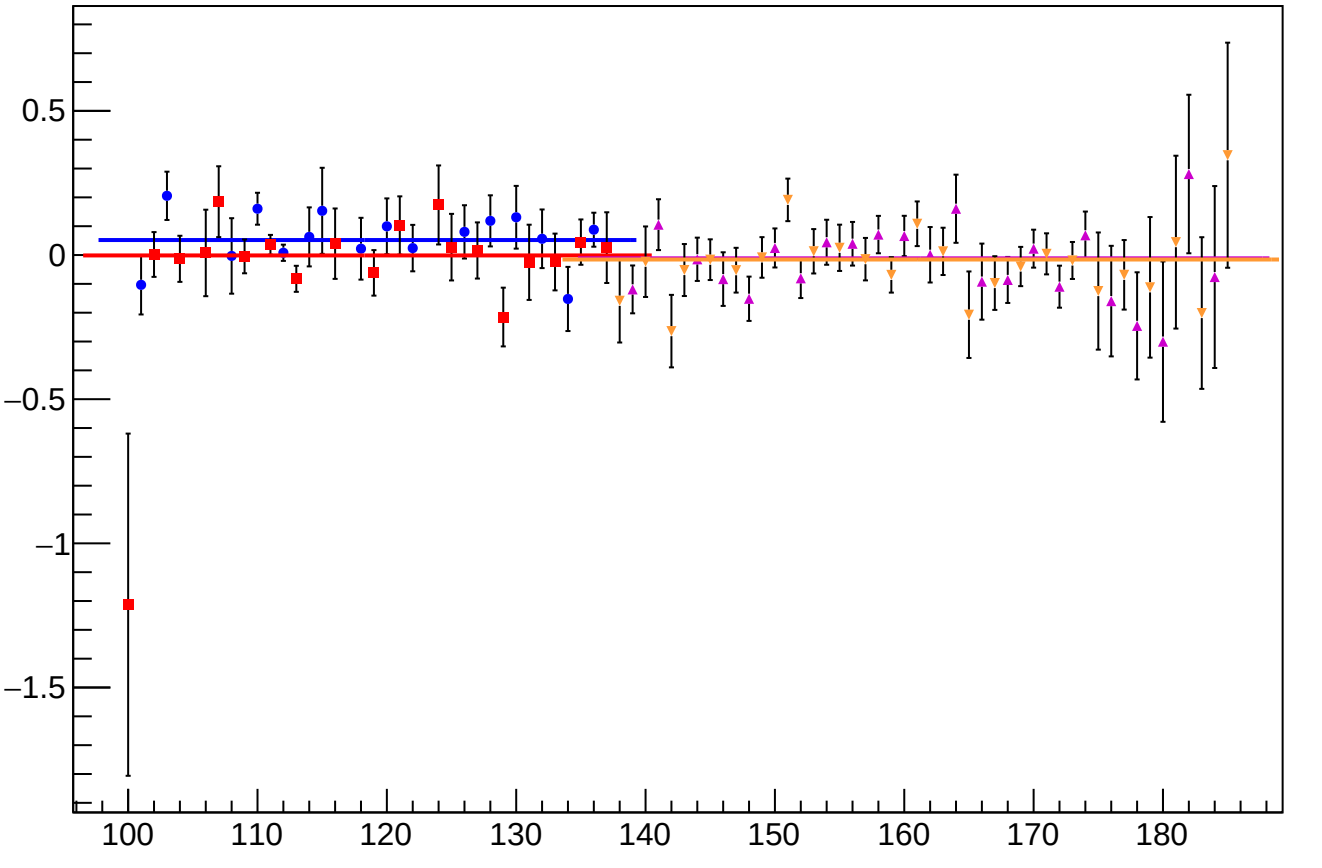
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.750+/-0.009 χ^2/NDF: 10013952.8/40

All: 57.267+/-0.006 χ^2/NDF: 17338584.2/82

- 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:21.6/24

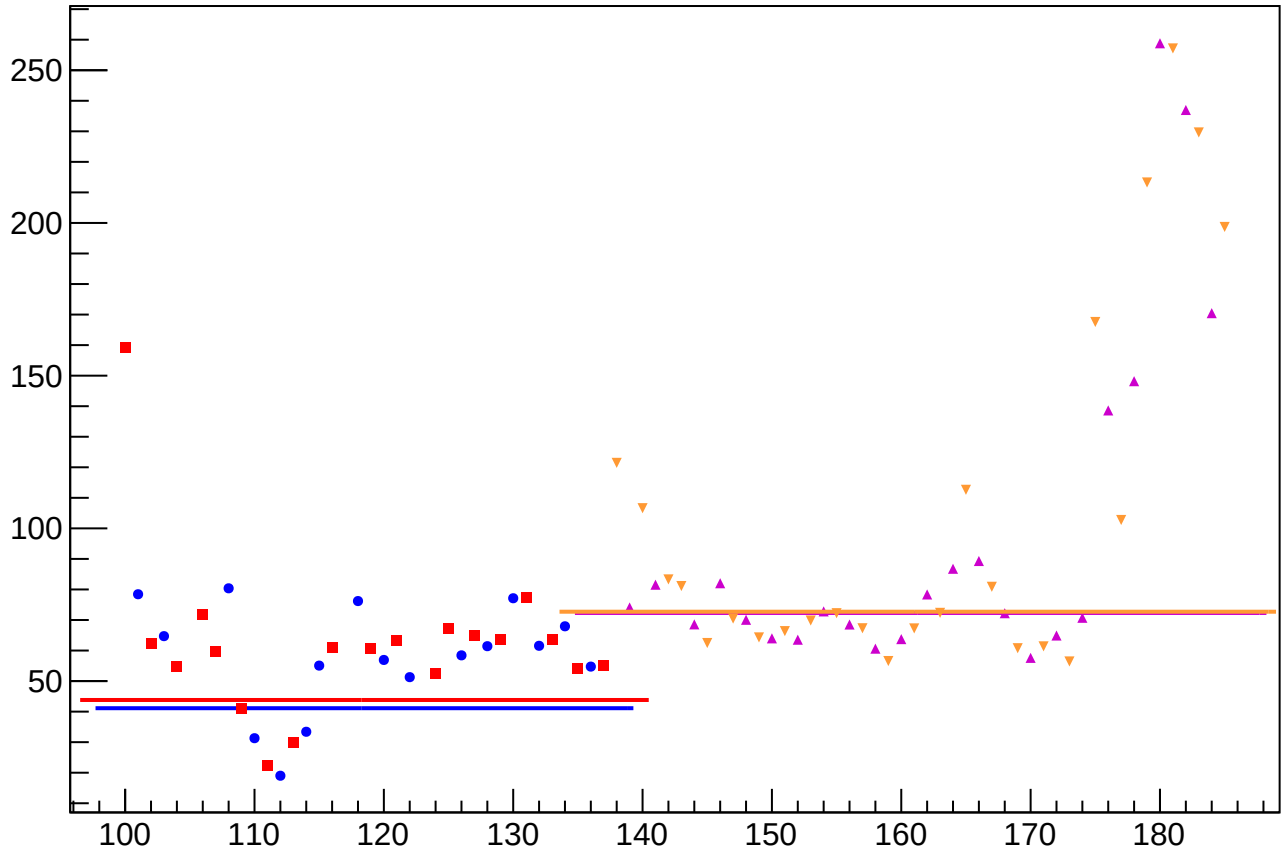
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 46.7/40

All: 0.006+/-0.009 χ^2/NDF: 91.4/82

- 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: 72.716+/-0.013 χ^2/NDF:3961100.5/24

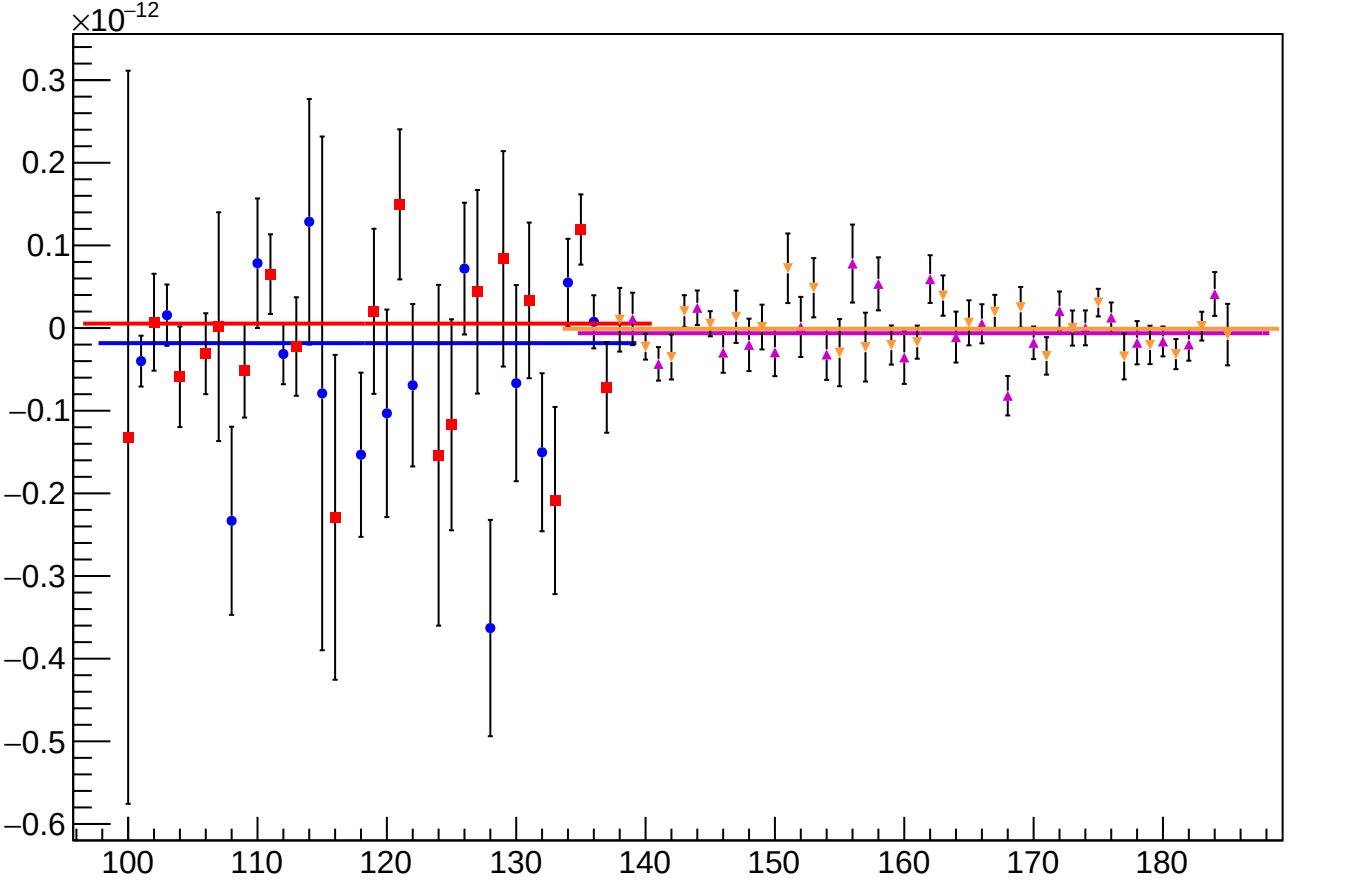
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.750+/-0.009 χ^2/NDF: 10013952.8/40

All: 57.267+/-0.006 χ^2/NDF: 17338584.2/82

- 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:27.9/24

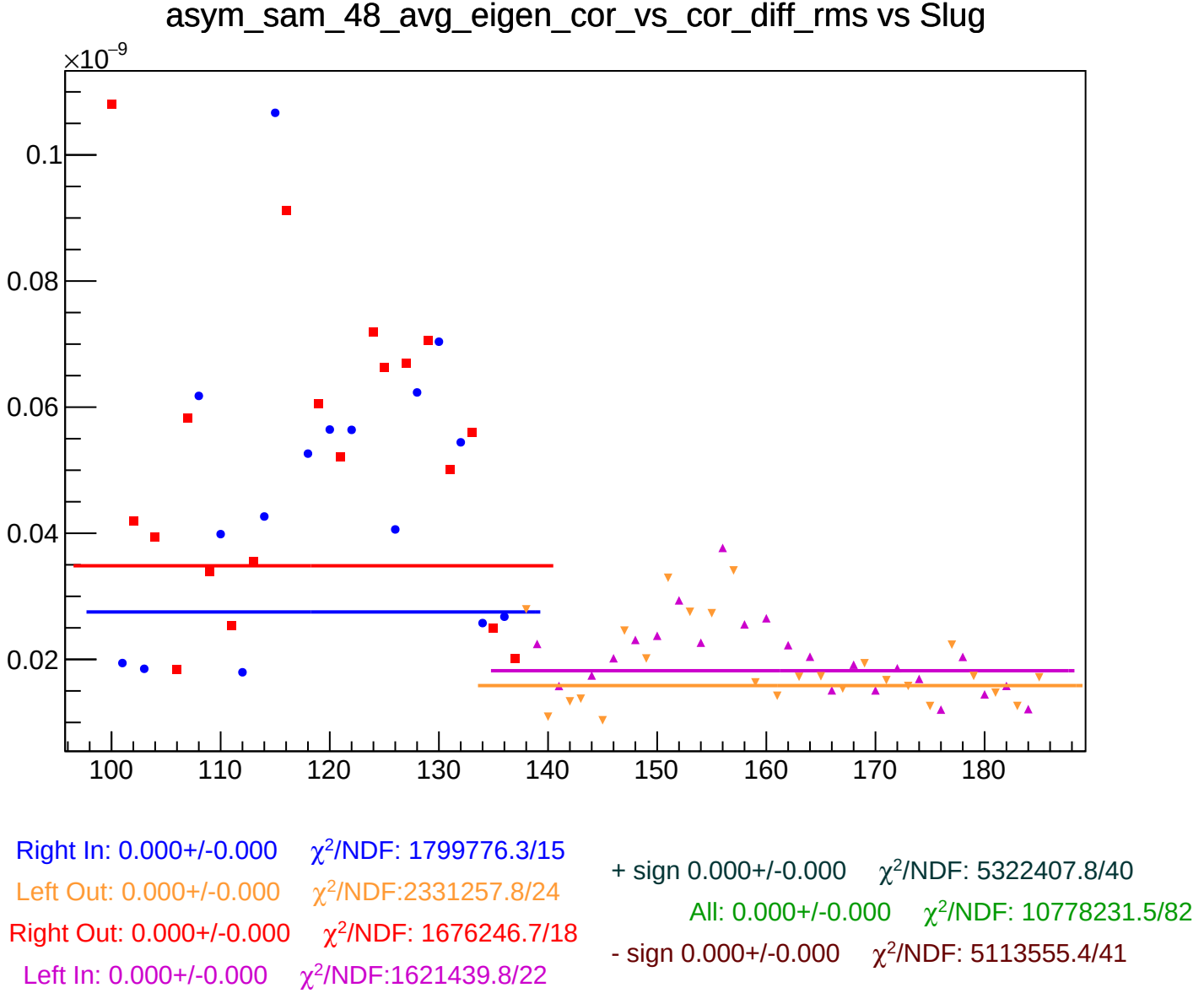
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

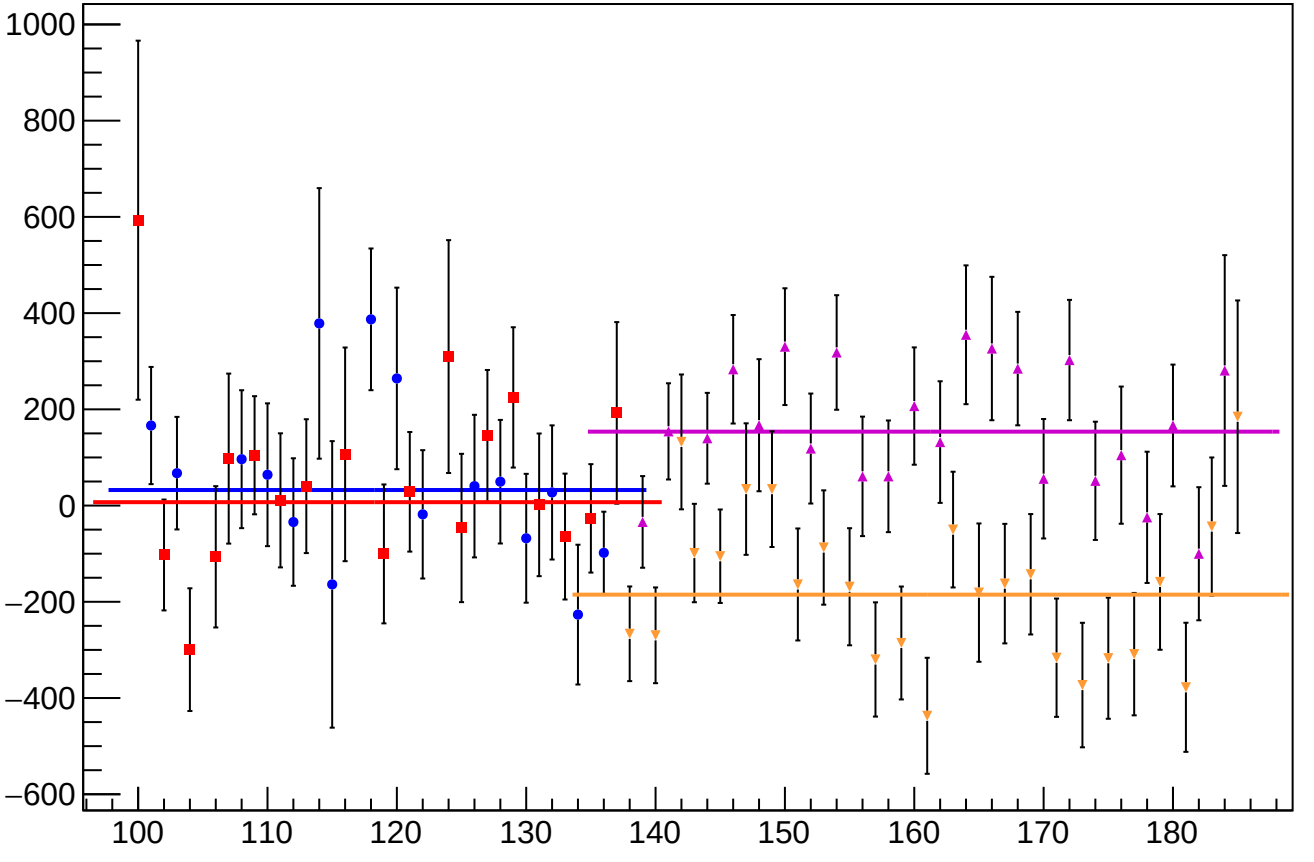
+ sign -0.000+/-0.000 χ^2/NDF: 52.2/40

All: -0.000+/-0.000 χ^2/NDF: 114.4/82

- sign -0.000+/-0.000 χ^2/NDF: 62.0/41


asym_sam_48_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: 1799776.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2331257.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 1676246.7/18
Left In: 0.000+/-0.000 χ²/NDF:1621439.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5322407.8/40
All: 0.000+/-0.000 χ²/NDF: 10778231.5/82
- sign 0.000+/-0.000 χ²/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: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

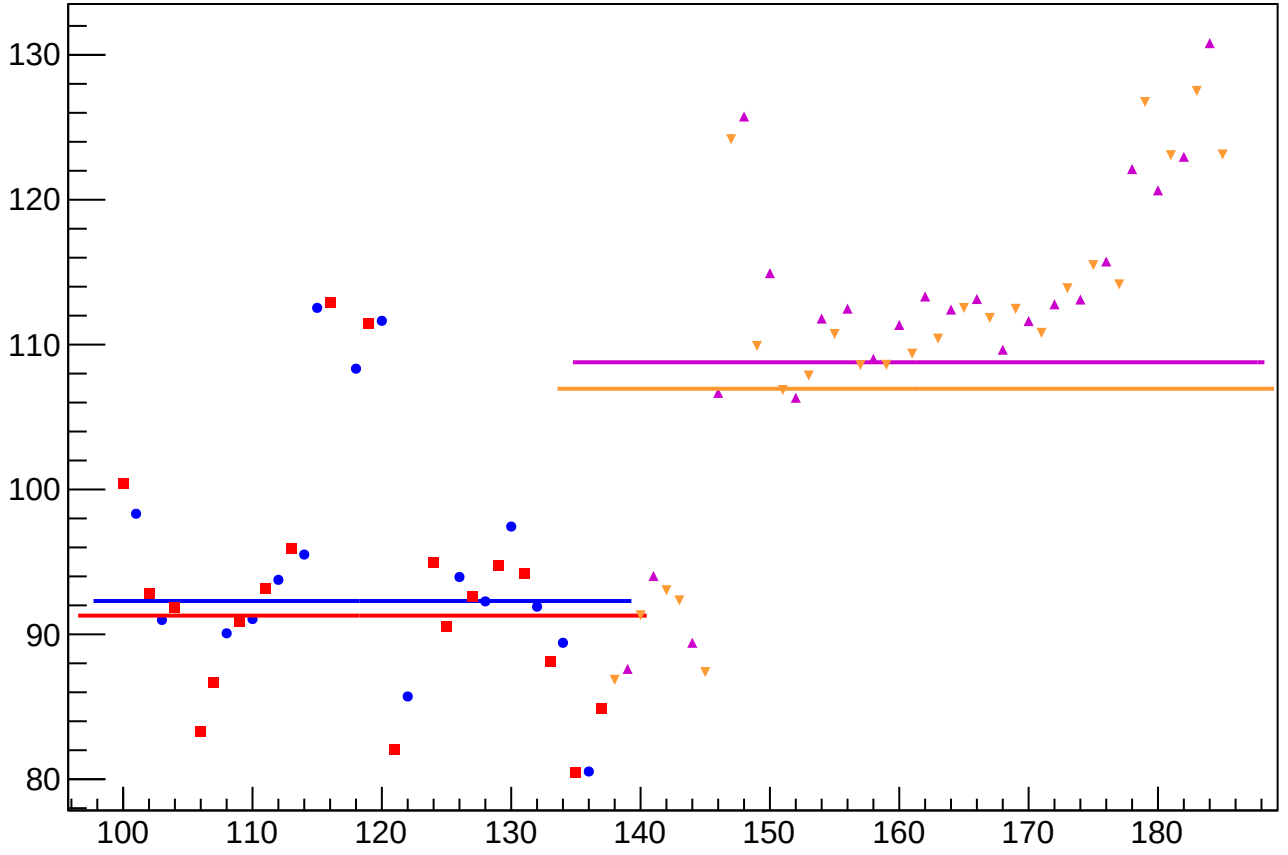
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -112.238+/-19.936 χ^2/NDF: 76.9/40

All: -8.194+/-14.221 χ^2/NDF: 185.8/82

- 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: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

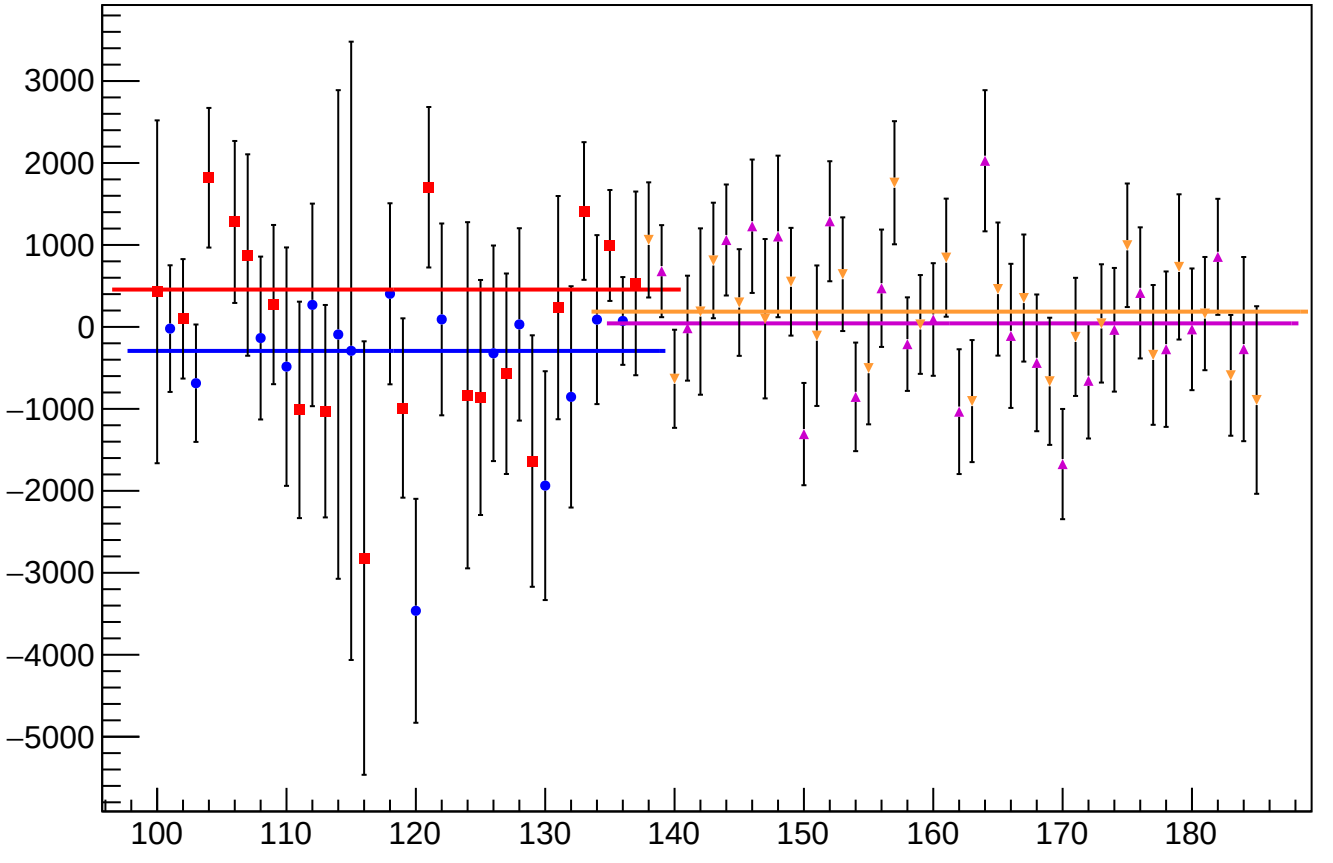
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

\+ sign 102.041+/-0.014 χ^2/NDF: 812099.2/40

All: 102.185+/-0.010 χ^2/NDF: 1621552.0/82

\- 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: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

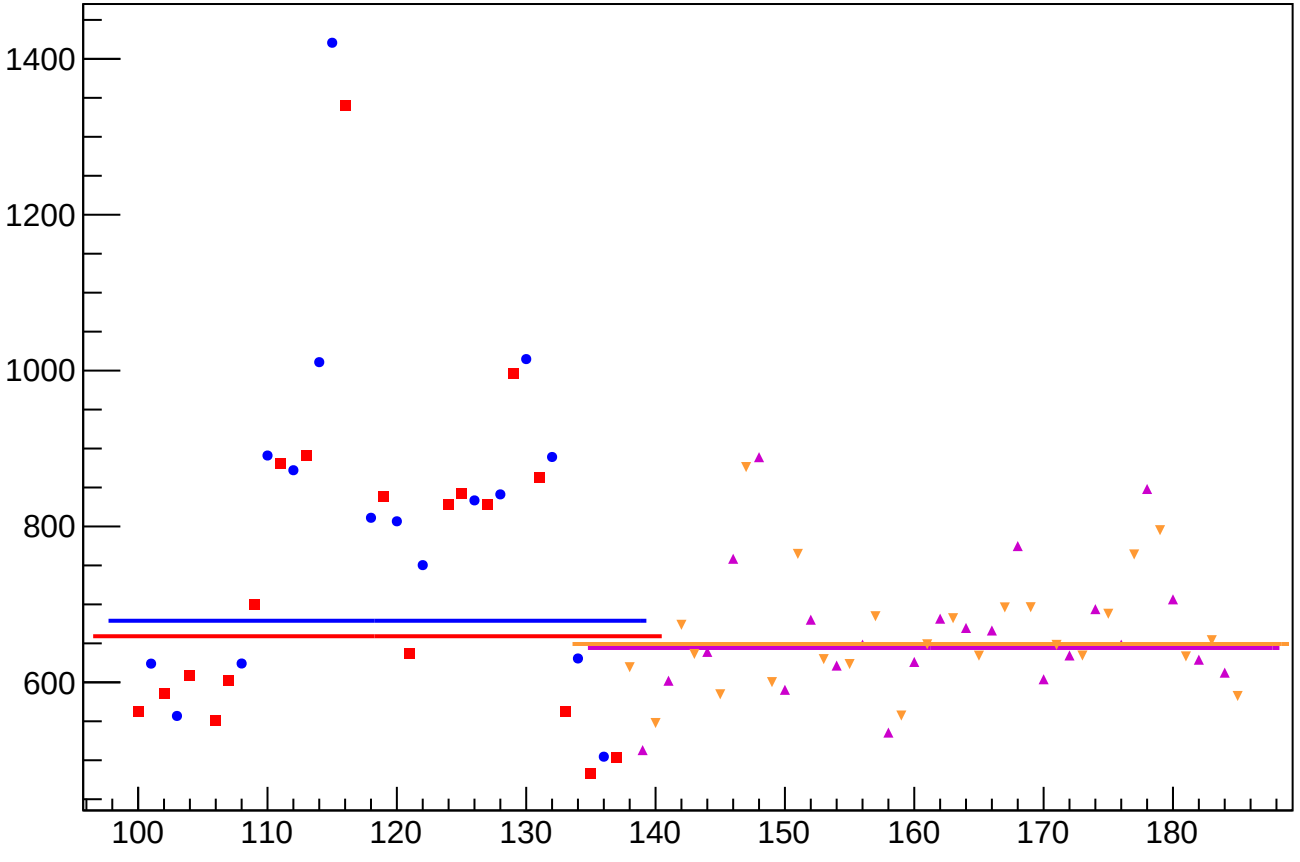
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 67.988+/-129.121 χ^2/NDF: 30.4/40

All: 111.539+/-91.518 χ^2/NDF: 83.2/82

- 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: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

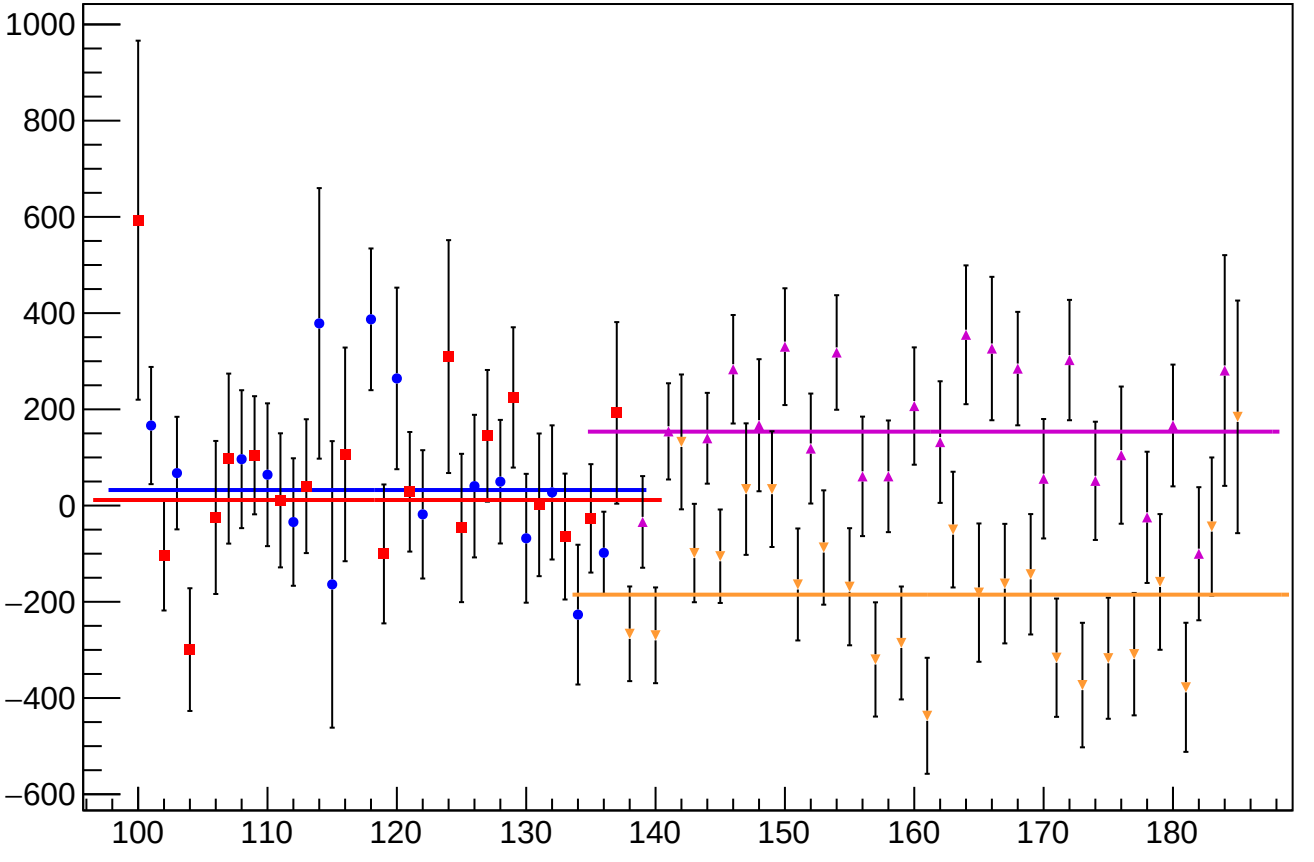
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

\+ sign 656.559+/-0.091 χ^2/NDF: 1206191.9/40

All: 652.385+/-0.065 χ^2/NDF: 2570729.5/82

\- 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: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

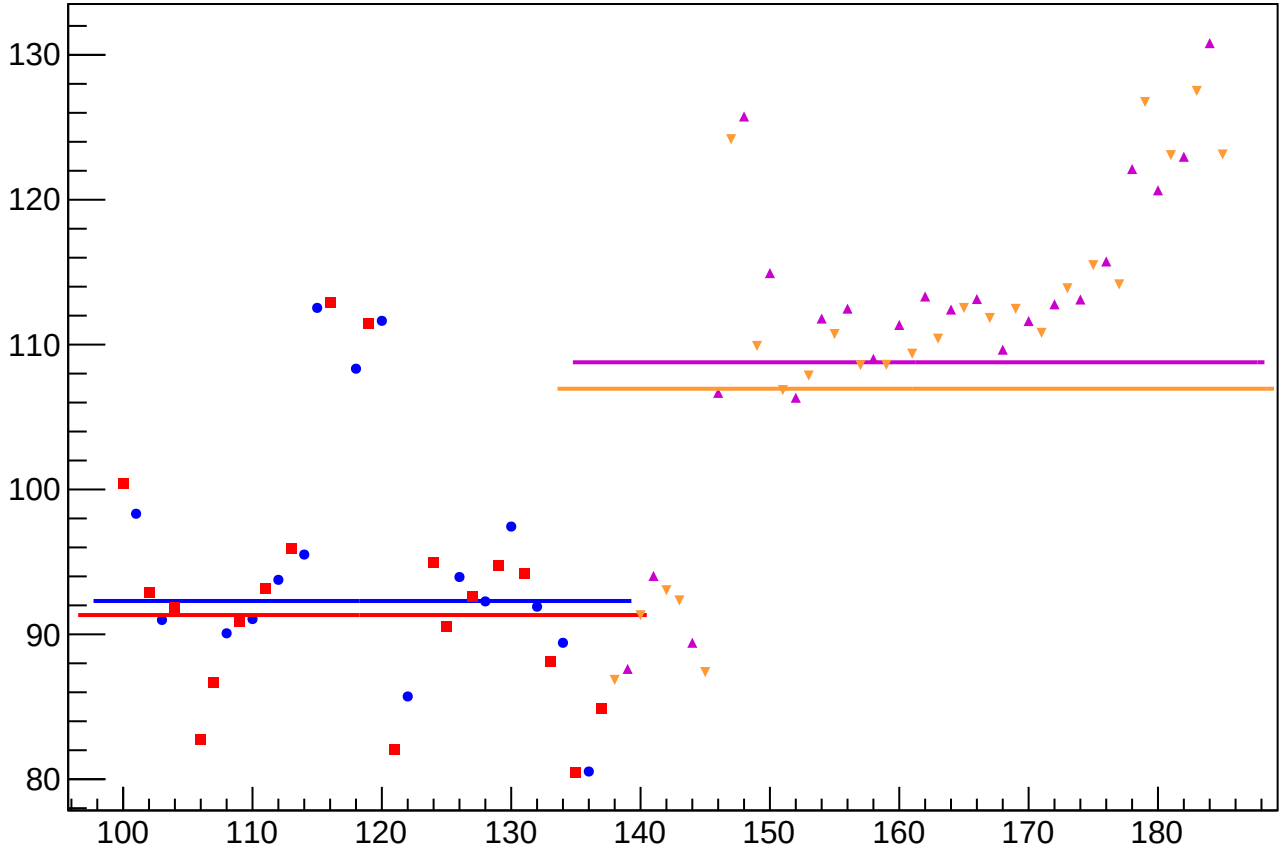
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.235+/-19.936 χ^2/NDF: 76.9/40

All: -7.401+/-14.231 χ^2/NDF: 185.3/82

- 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: 106.954+/-0.017 χ^2/NDF:464271.4/24

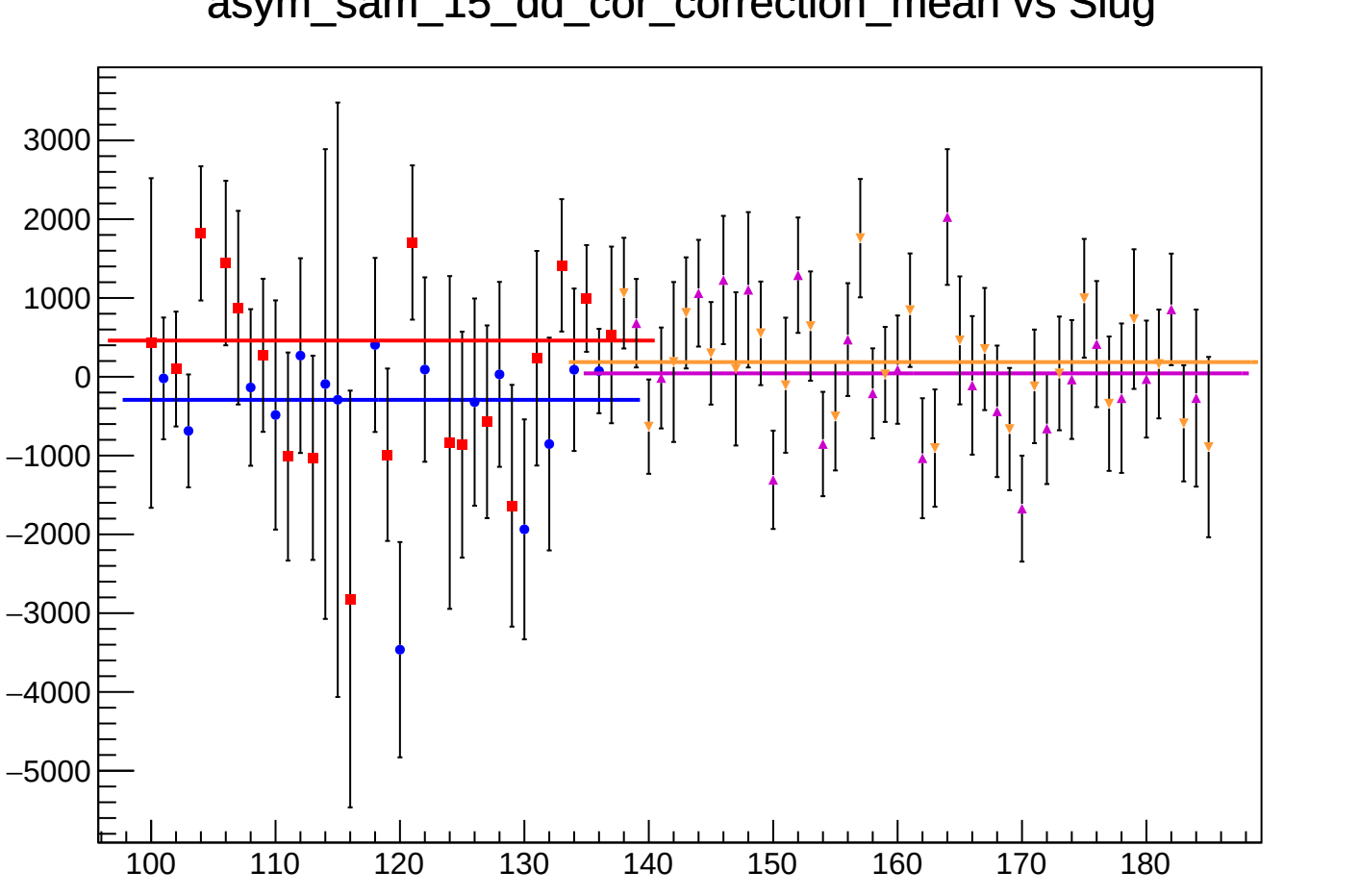
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 102.041+/-0.014 χ^2/NDF: 812099.1/40

All: 102.207+/-0.010 χ^2/NDF: 1618262.0/82

- 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: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

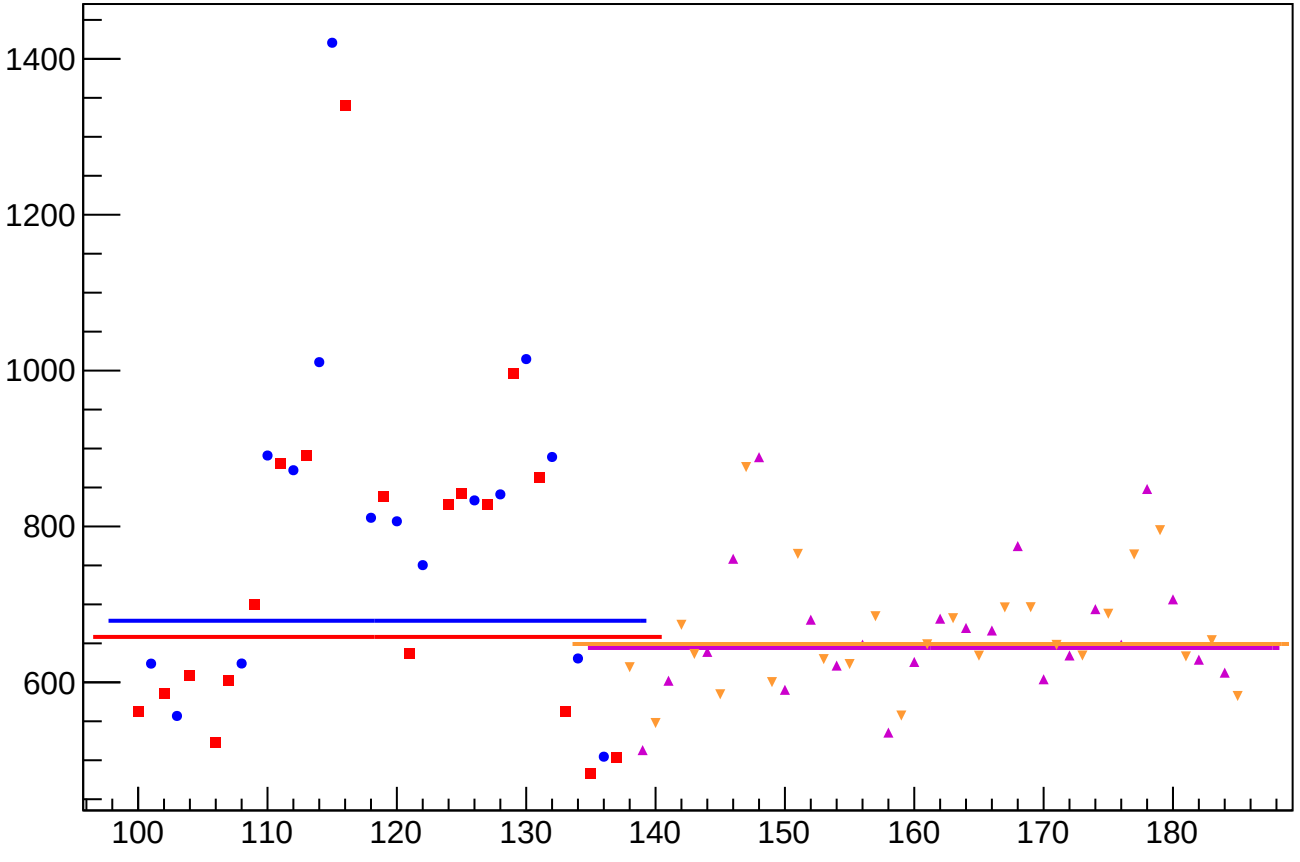
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

\+ sign 67.984+/-129.121 χ^2/NDF: 30.4/40

All: 111.736+/-91.559 χ^2/NDF: 83.5/82

\- 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: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

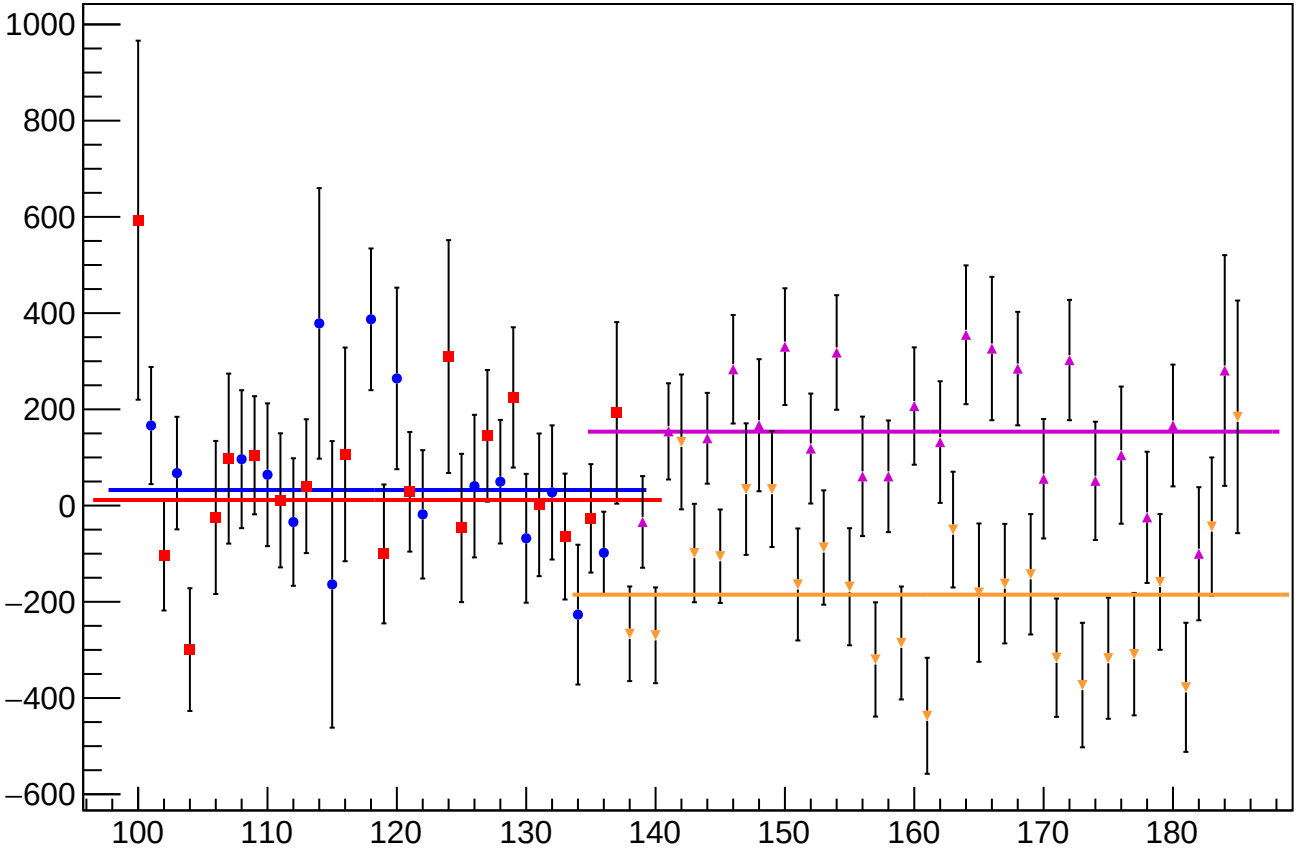
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

\+ sign 656.559+/-0.091 χ^2/NDF: 1206194.1/40

All: 652.261+/-0.065 χ^2/NDF: 2580386.4/82

\- 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: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

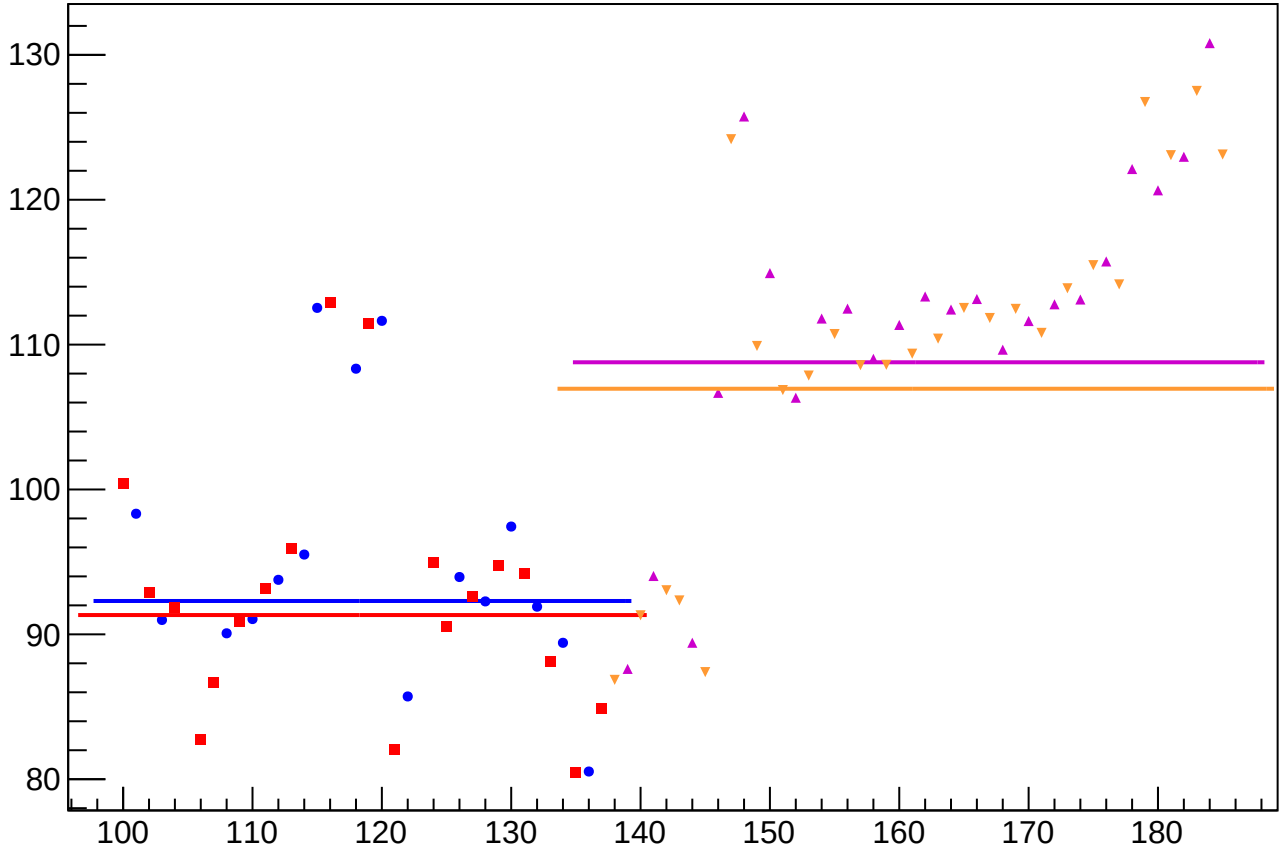
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.235+/-19.936 χ^2/NDF: 76.9/40

All: -7.401+/-14.231 χ^2/NDF: 185.3/82

- 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: 106.954+/-0.017 χ^2/NDF:464271.4/24

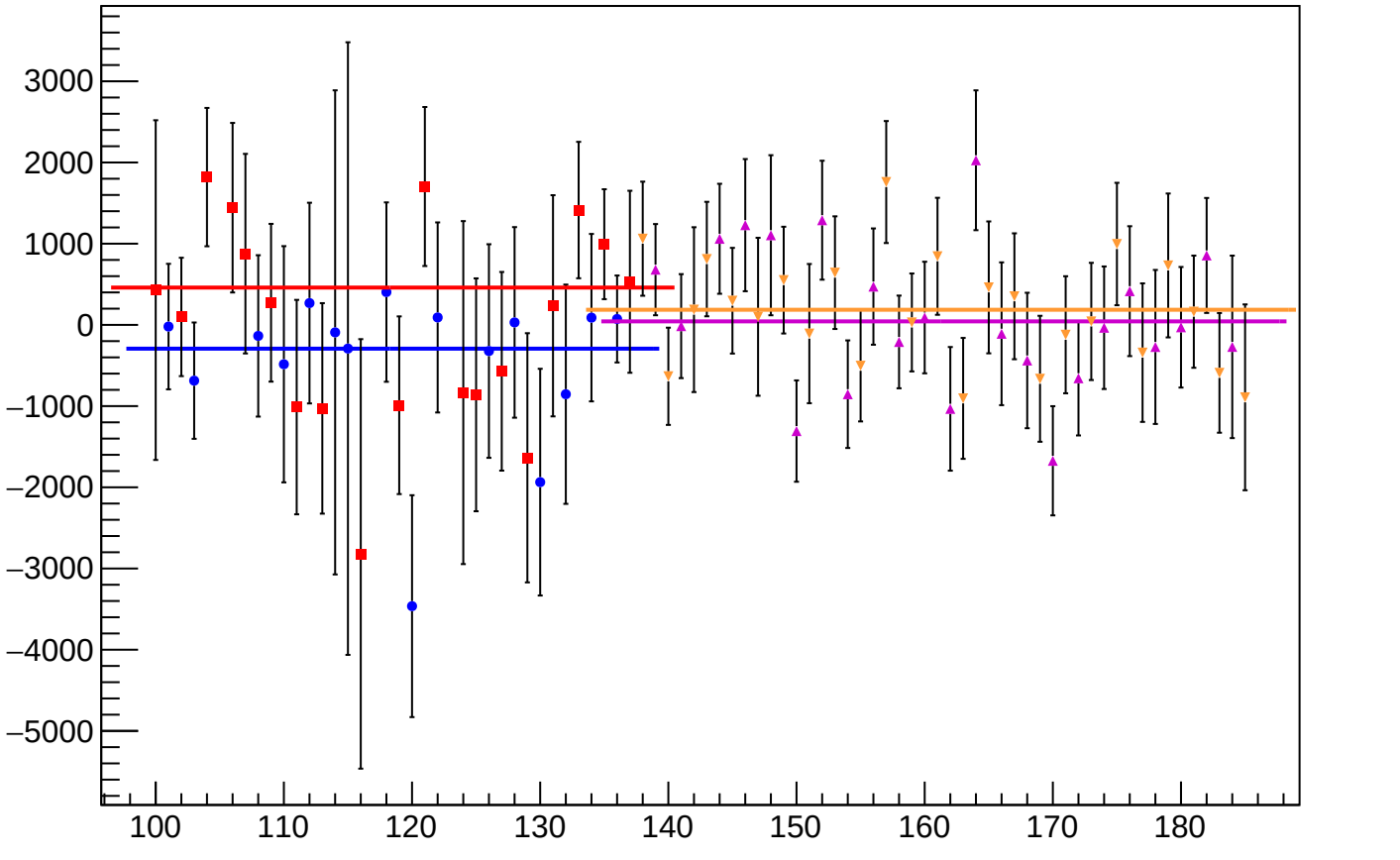
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 102.041+/-0.014 χ^2/NDF: 812099.1/40

All: 102.207+/-0.010 χ^2/NDF: 1618262.0/82

- 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: 186.450+/-148.819 χ^2/NDF:19.1/24

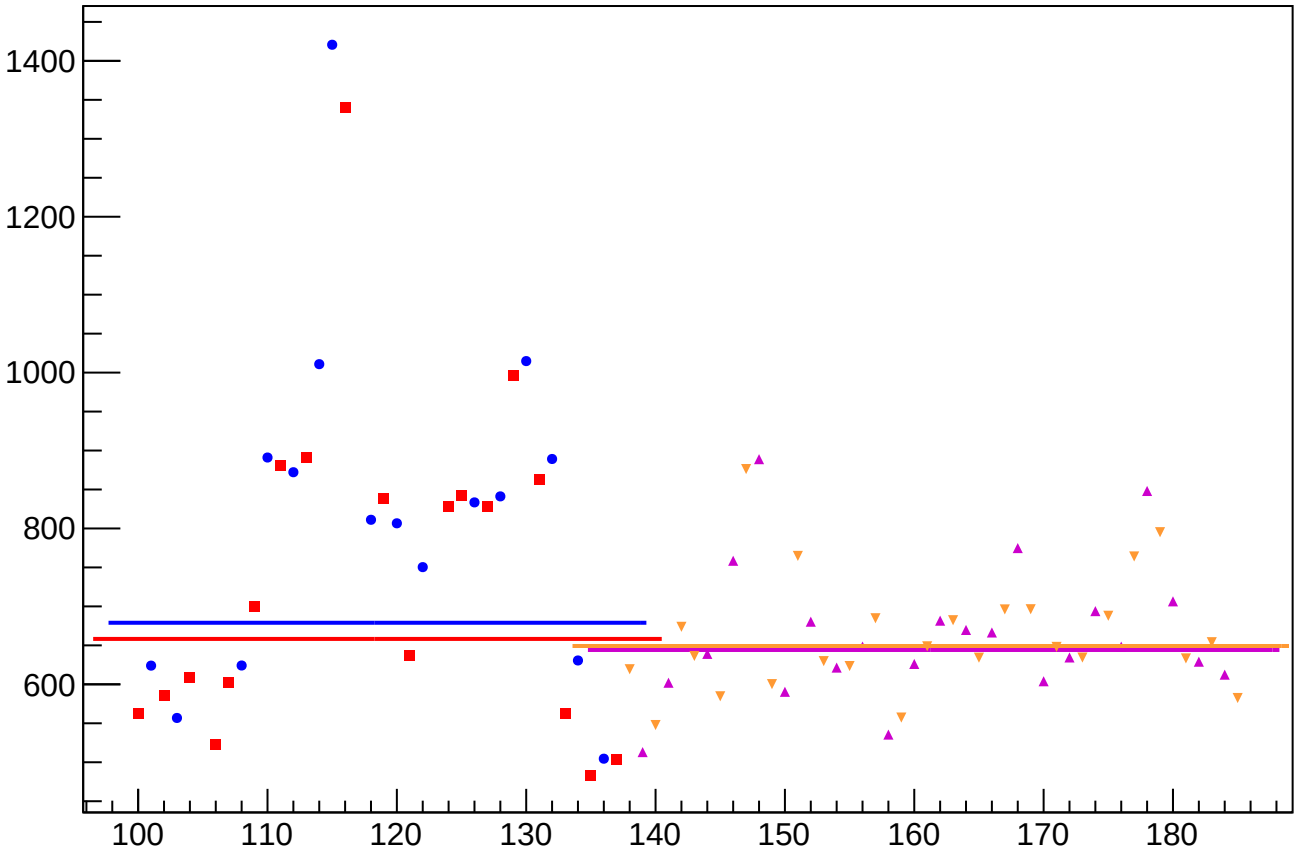
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

\+ sign 67.984+/-129.121 χ^2/NDF: 30.4/40

All: 111.736+/-91.559 χ^2/NDF: 83.5/82

\- 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: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

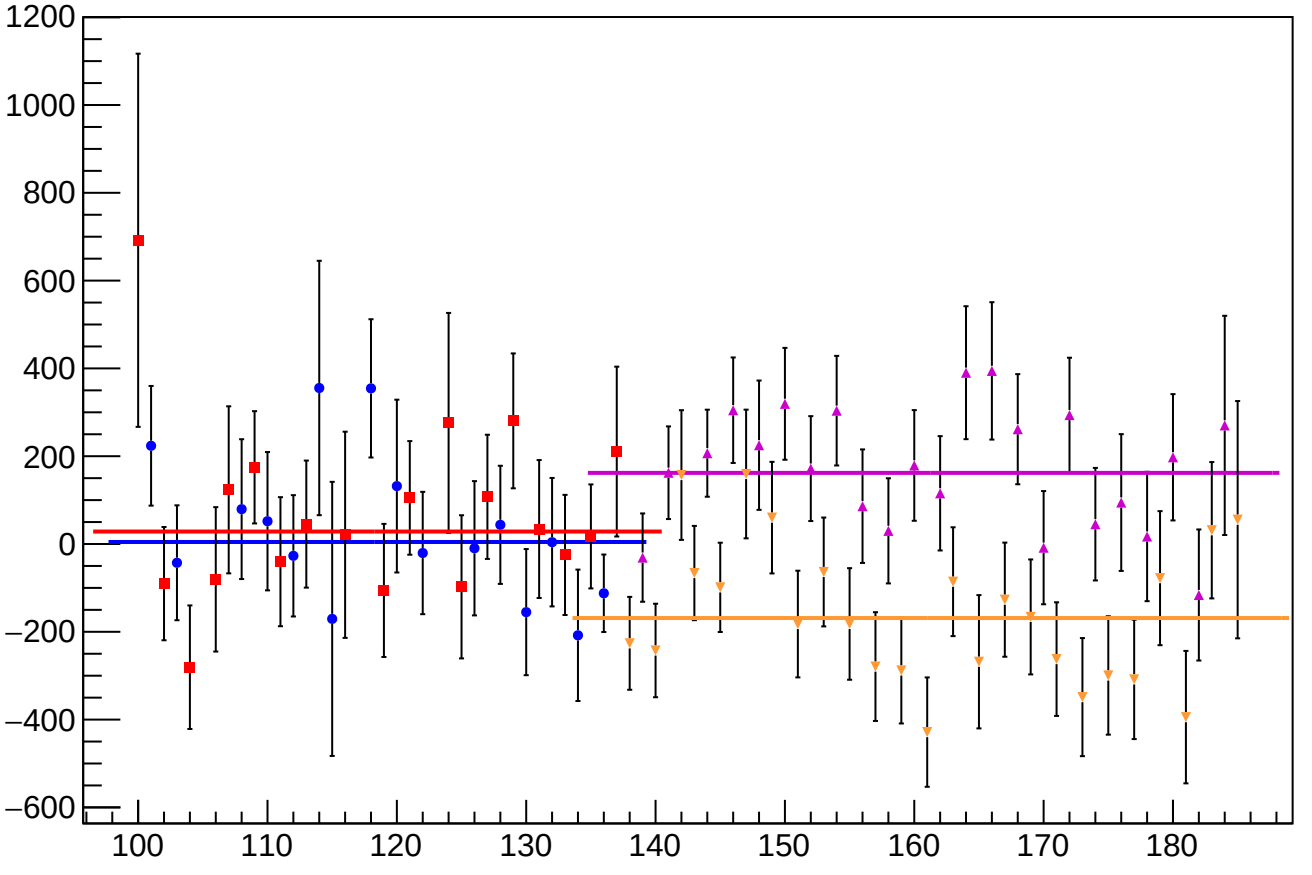
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

\+ sign 656.559+/-0.091 χ^2/NDF: 1206194.1/40

All: 652.261+/-0.065 χ^2/NDF: 2580386.4/82

\- 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: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

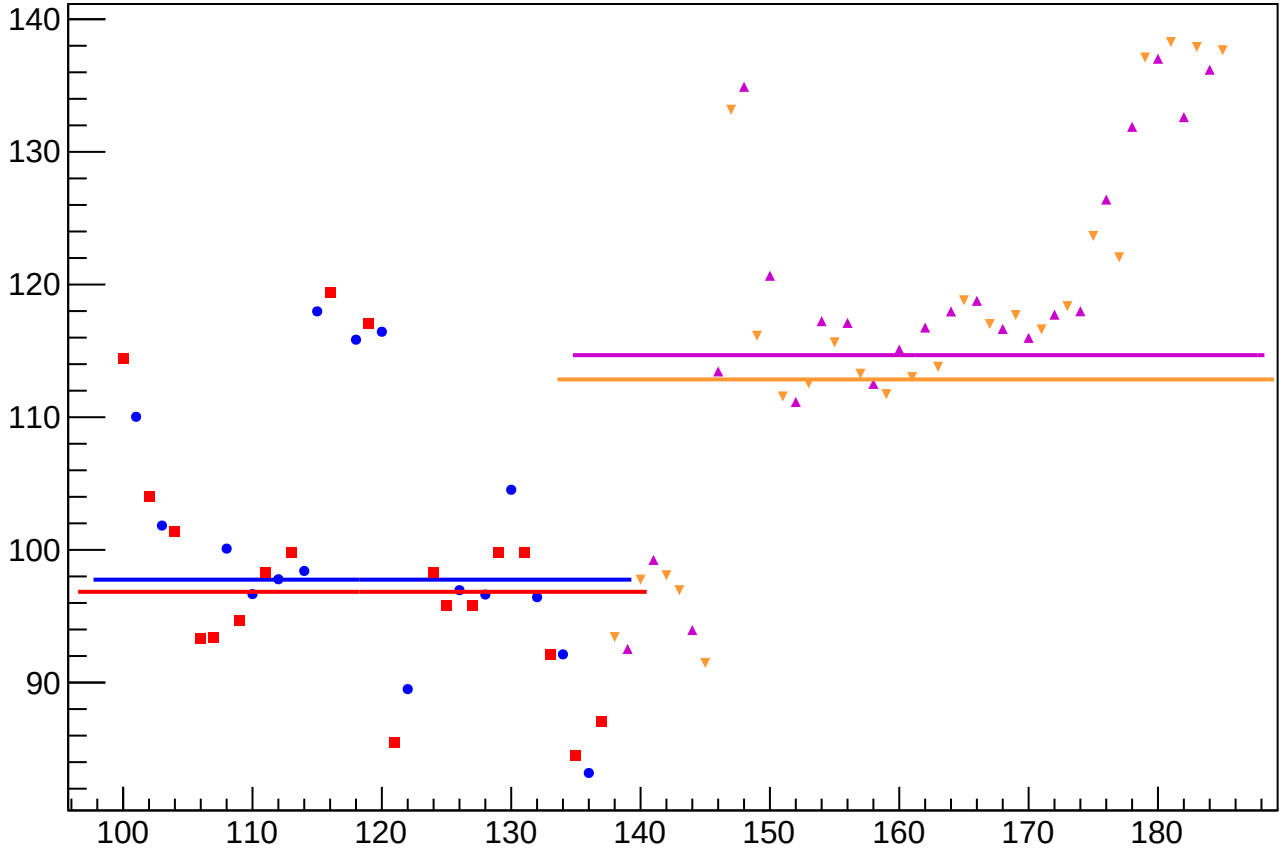
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -110.872+/-21.080 χ^2/NDF: 62.7/40

All: -0.856+/-15.037 χ^2/NDF: 167.9/82

- 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: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

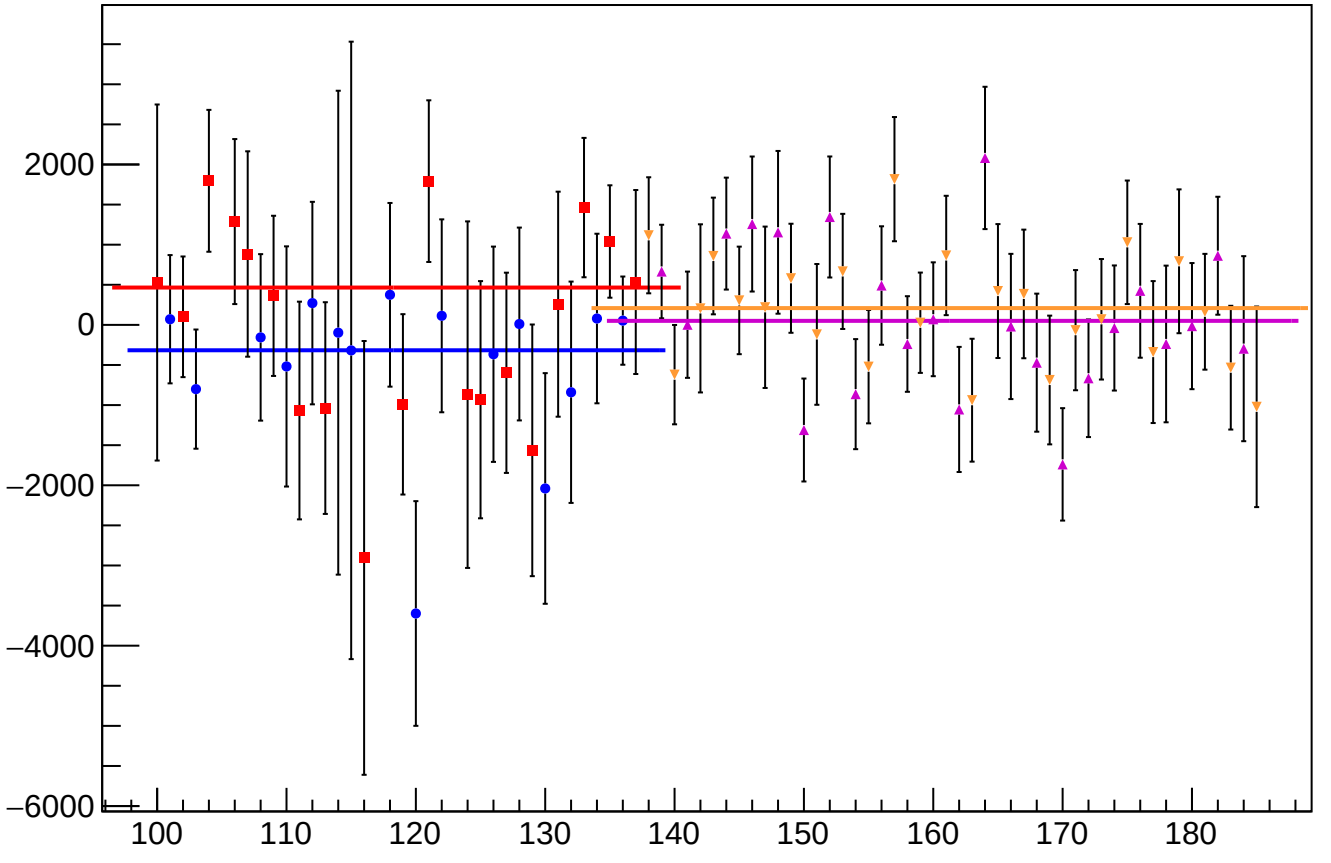
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 107.817+/-0.015 χ^2/NDF: 880782.6/40

All: 107.980+/-0.011 χ^2/NDF: 1726878.0/82

- sign 108.148+/-0.015 χ^2/NDF: 845853.6/41

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

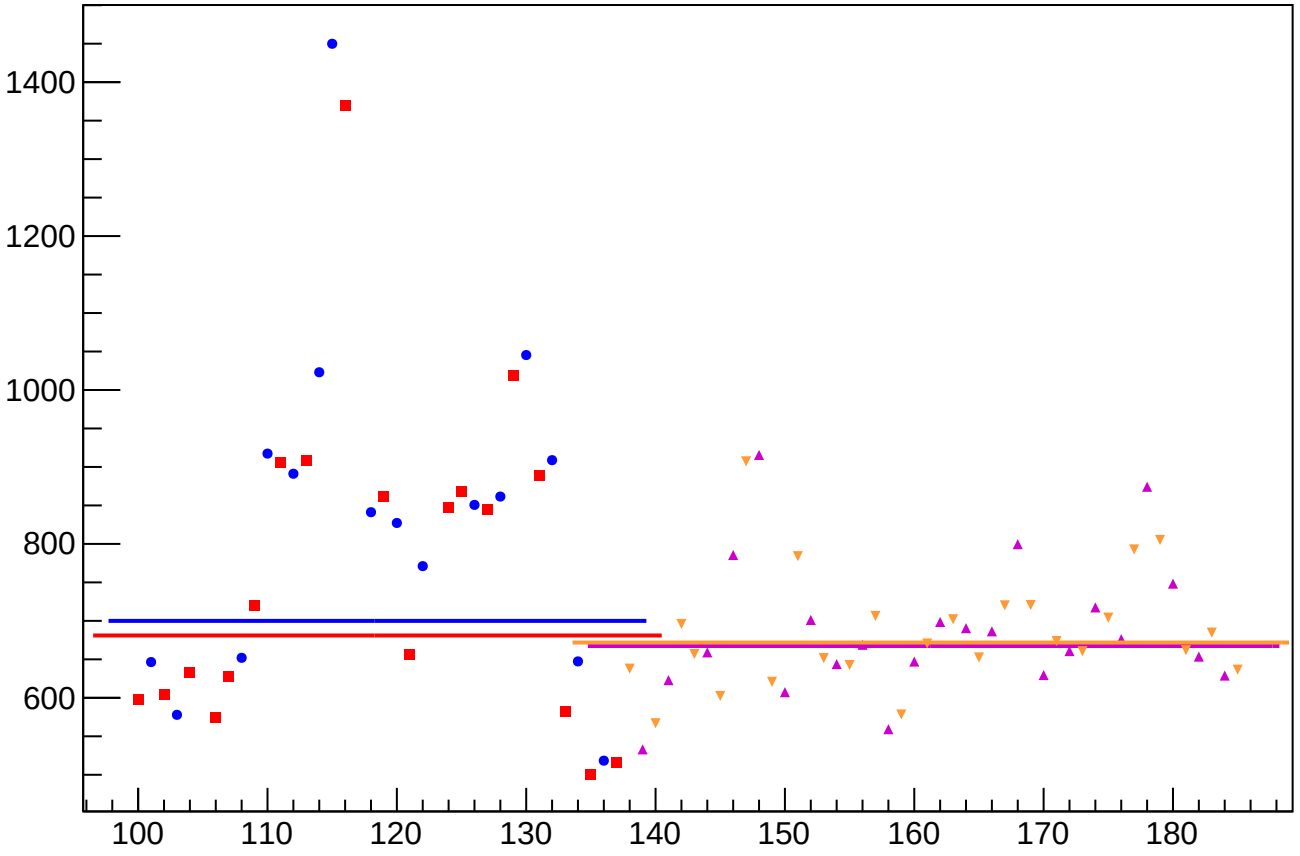
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

\+ sign 78.559+/-133.416 χ^2/NDF: 31.0/40

All: 120.956+/-94.626 χ^2/NDF: 82.8/82

\- 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: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

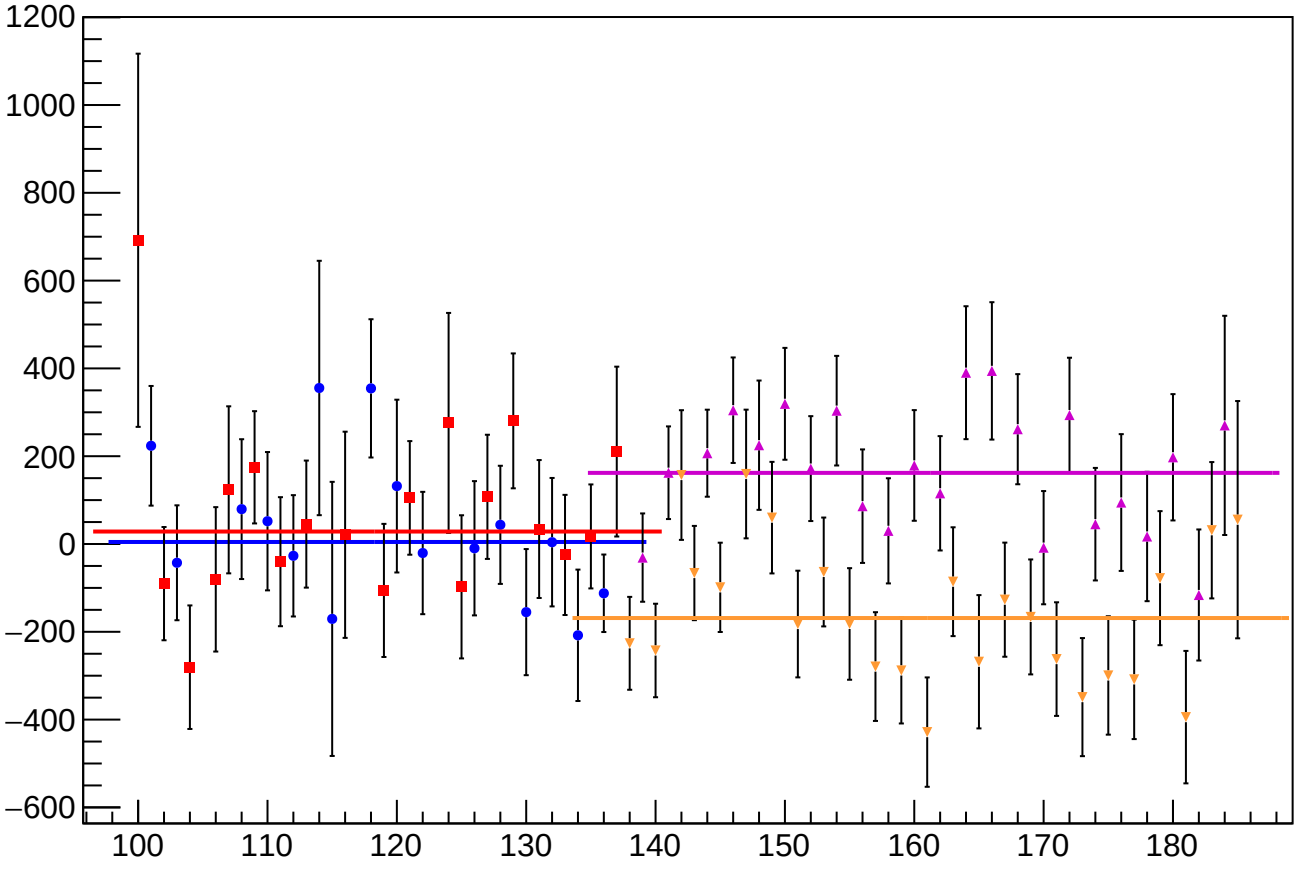
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 678.844+/-0.094 χ^2/NDF: 1169432.4/40

All: 674.986+/-0.067 χ^2/NDF: 2493222.5/82

- 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: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

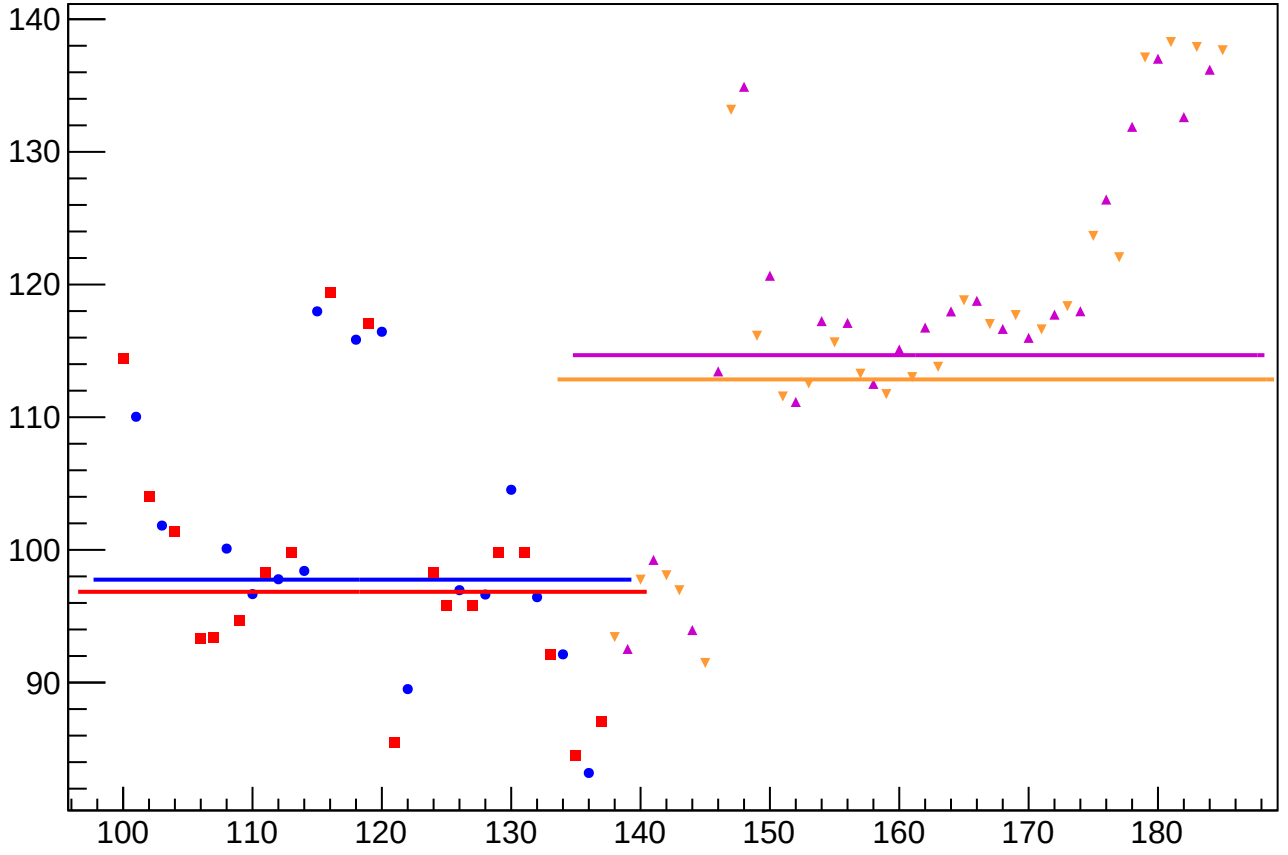
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -110.872+/-21.080 χ^2/NDF: 62.7/40

All: -0.855+/-15.037 χ^2/NDF: 167.9/82

- 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: 112.850+/-0.018 χ^2/NDF:512254.2/24

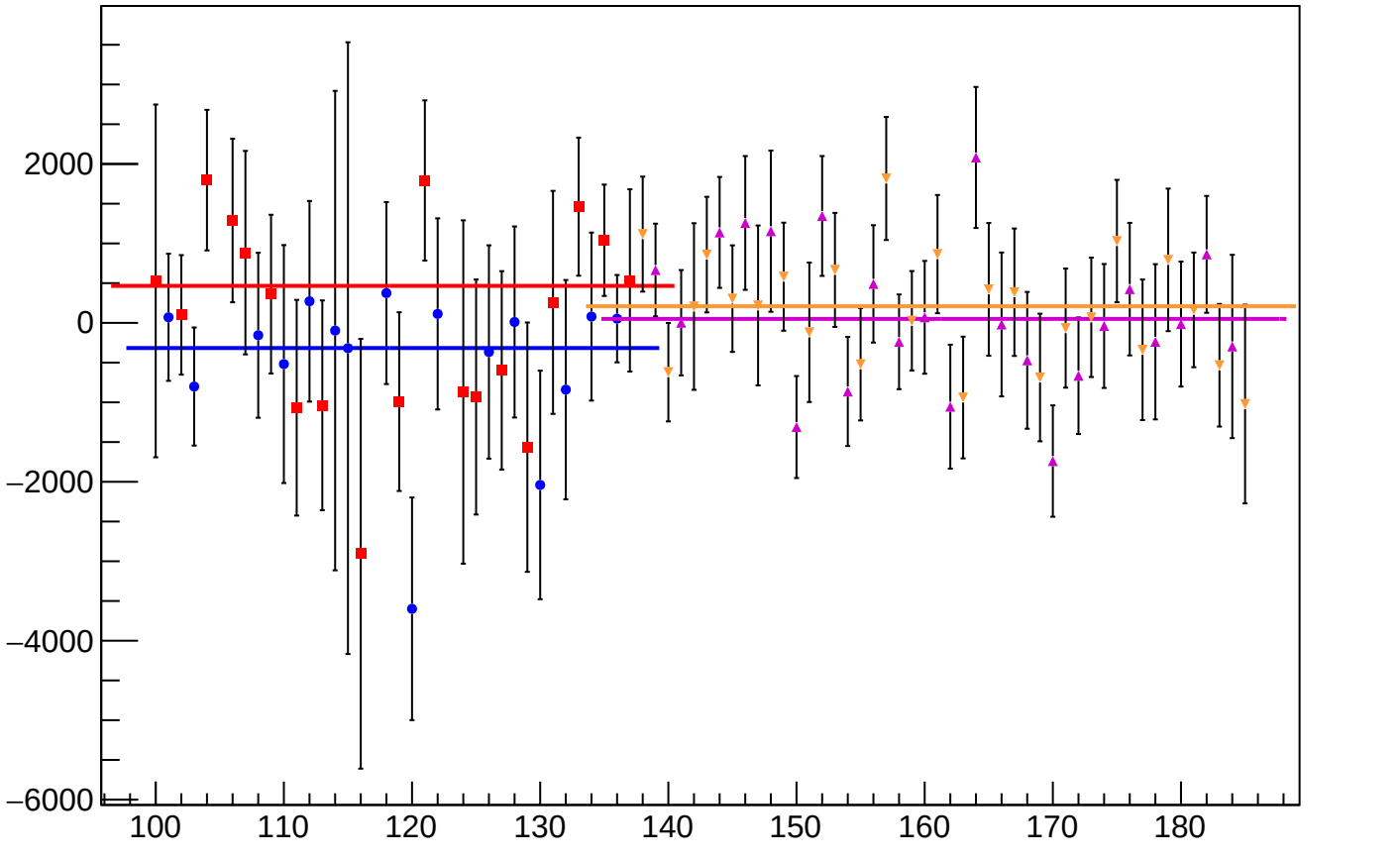
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 107.817+/-0.015 χ^2/NDF: 880786.6/40

All: 107.980+/-0.011 χ^2/NDF: 1726897.1/82

- 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: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

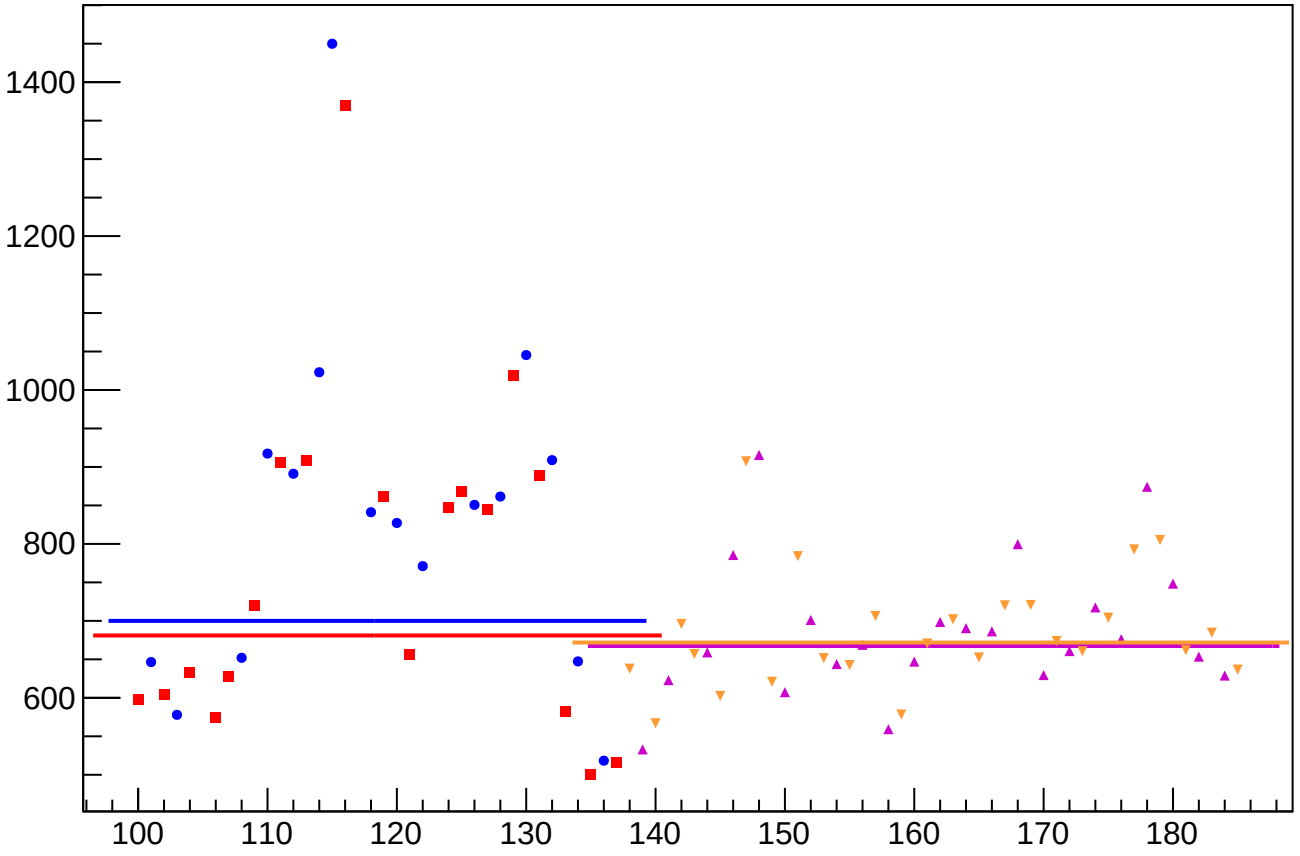
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

\+ sign 78.559+/-133.417 χ^2/NDF: 31.0/40

All: 120.956+/-94.626 χ^2/NDF: 82.8/82

\- sign 163.871+/-134.229 χ^2/NDF: 51.7/41

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

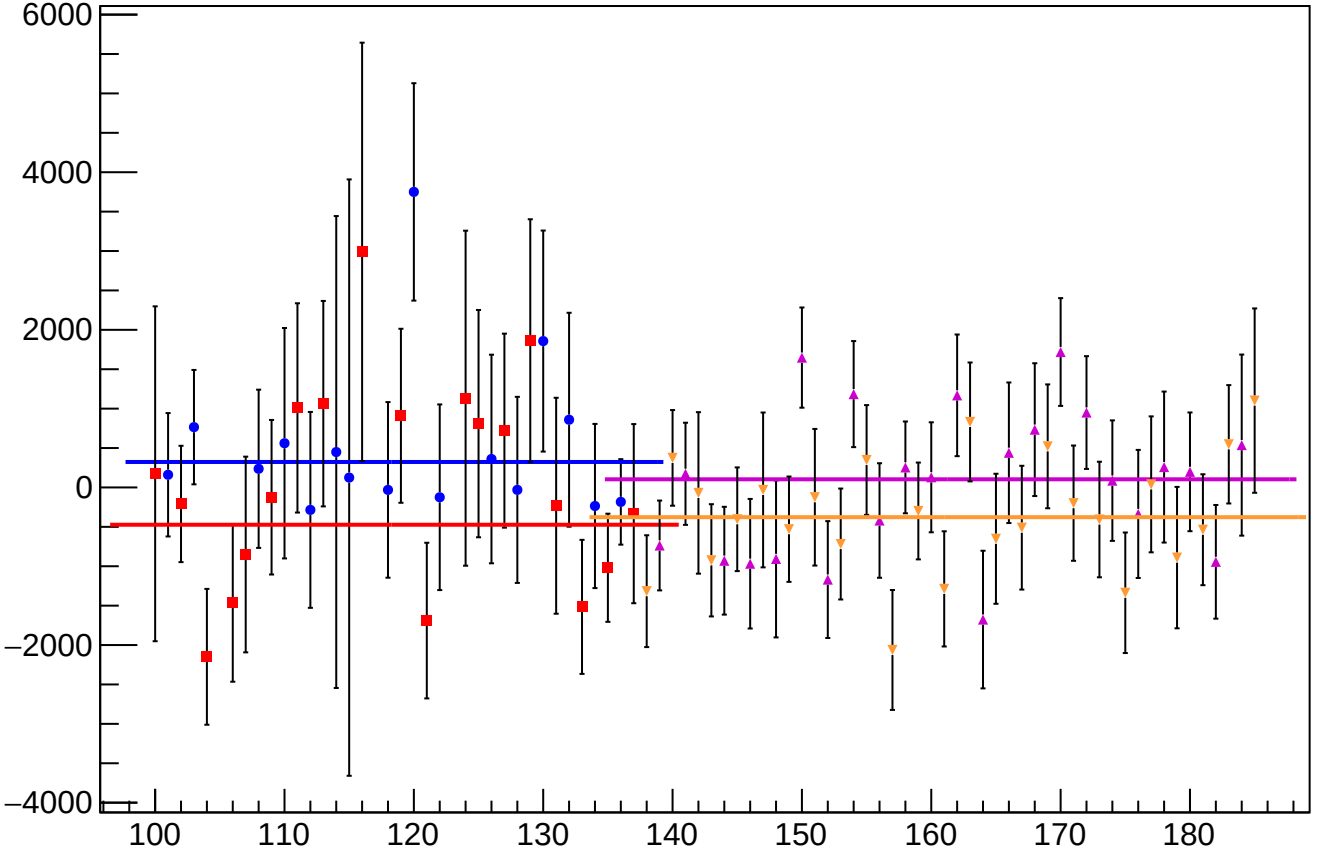
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 678.844+/-0.094 χ^2/NDF: 1169433.2/40

All: 674.987+/-0.067 χ^2/NDF: 2493227.4/82

- 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: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

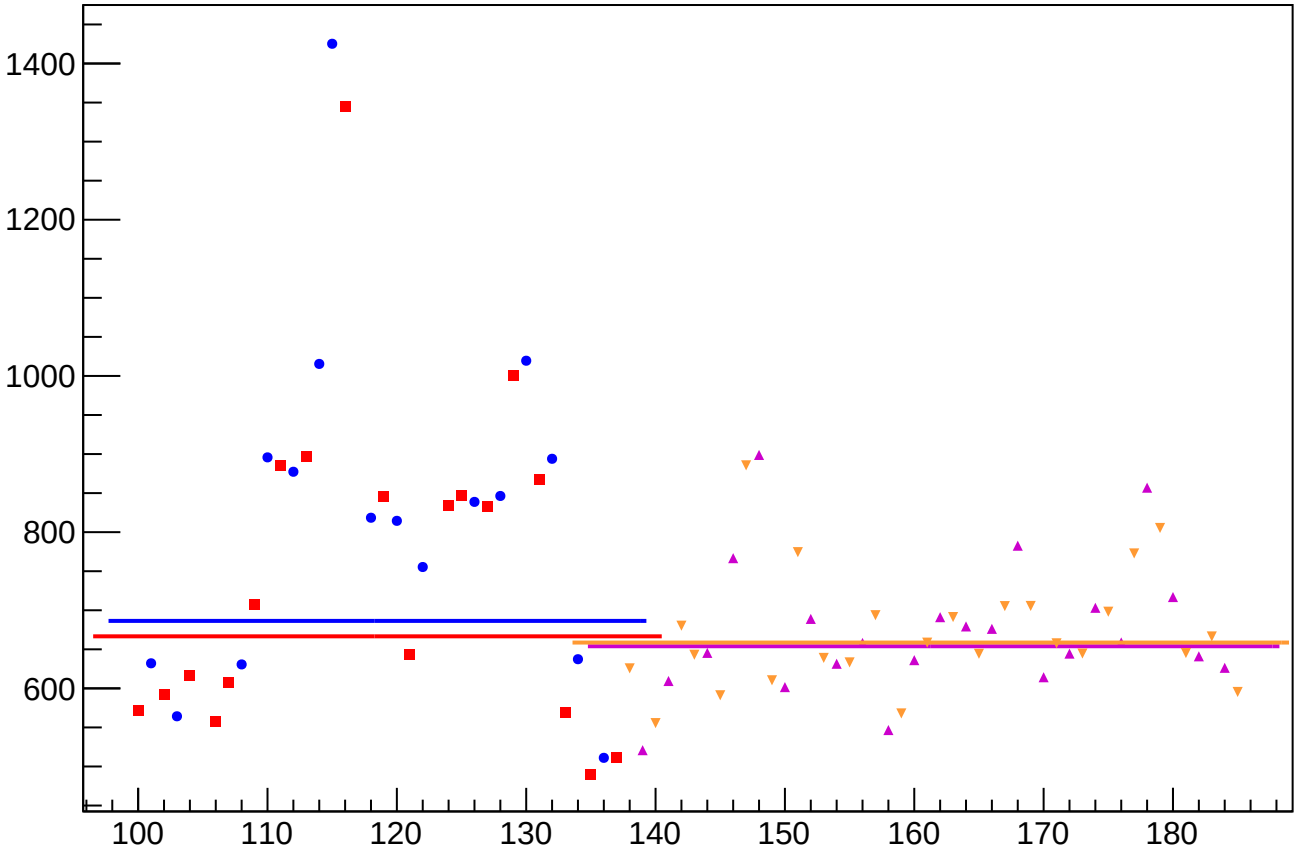
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -202.994+/-130.837 χ^2/NDF: 36.5/40

All: -129.160+/-92.755 χ^2/NDF: 95.9/82

- 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: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

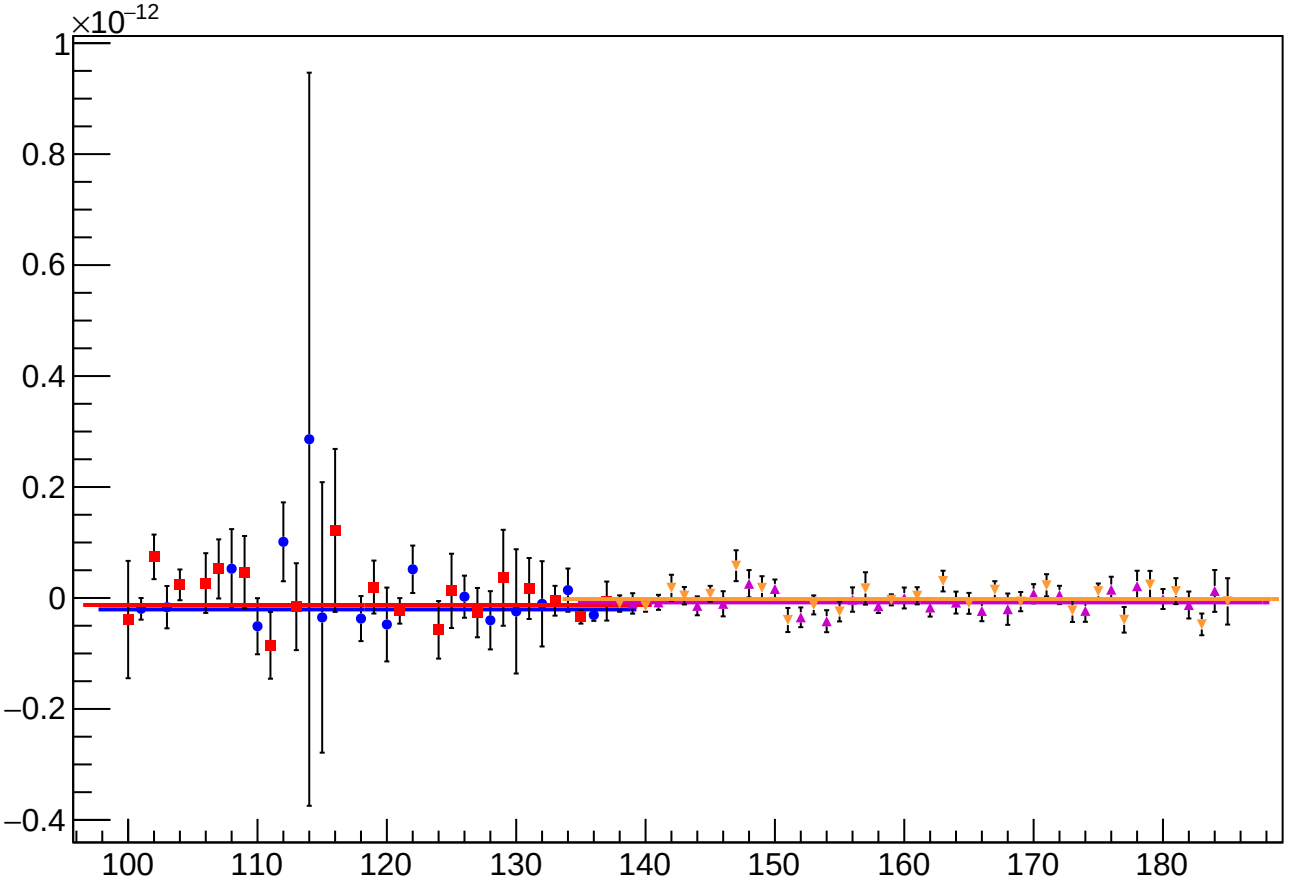
Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 665.568+/-0.093 χ^2/NDF: 1175917.9/40

All: 661.517+/-0.066 χ^2/NDF: 2502583.9/82

- 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:31.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

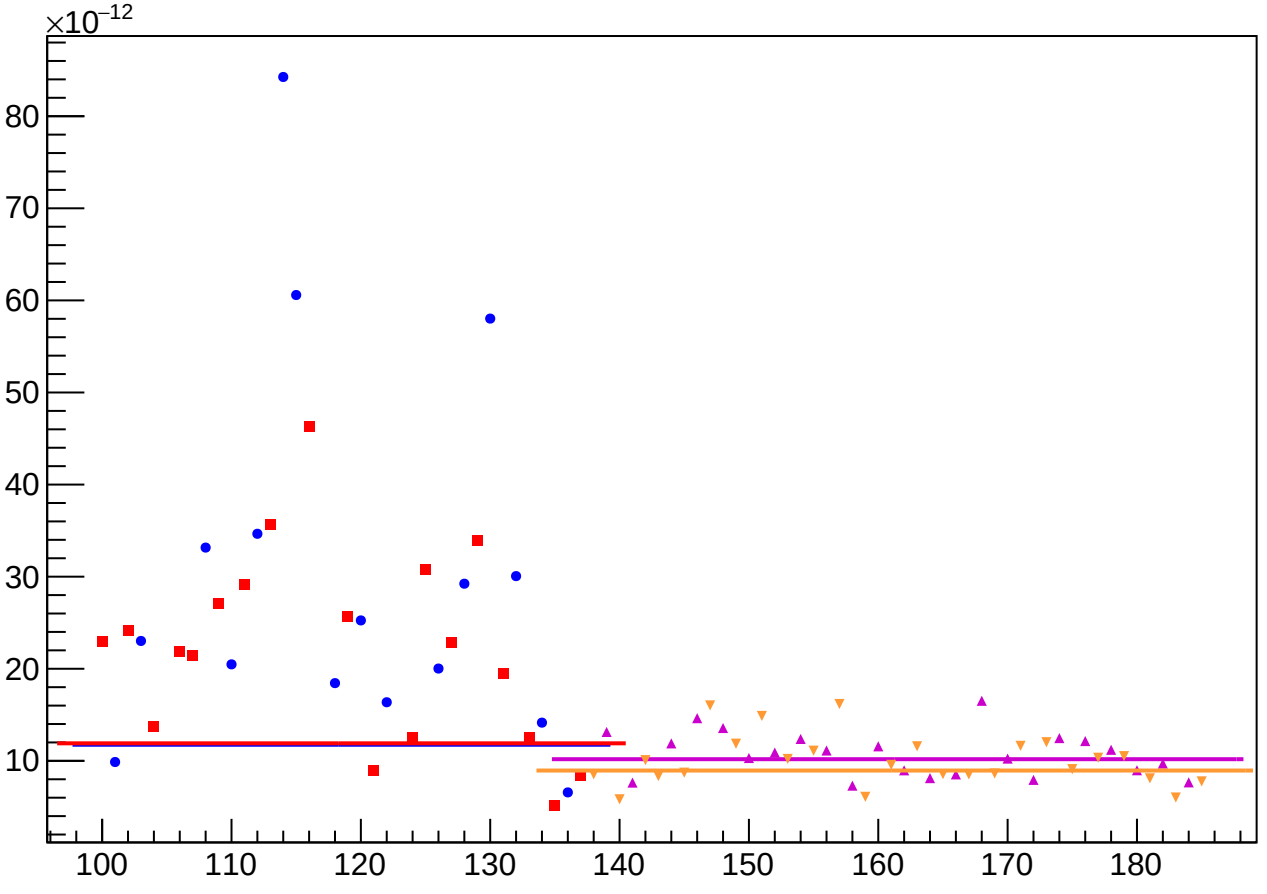
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/40

All: -0.000+/-0.000 χ^2/NDF: 80.2/82

- 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:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

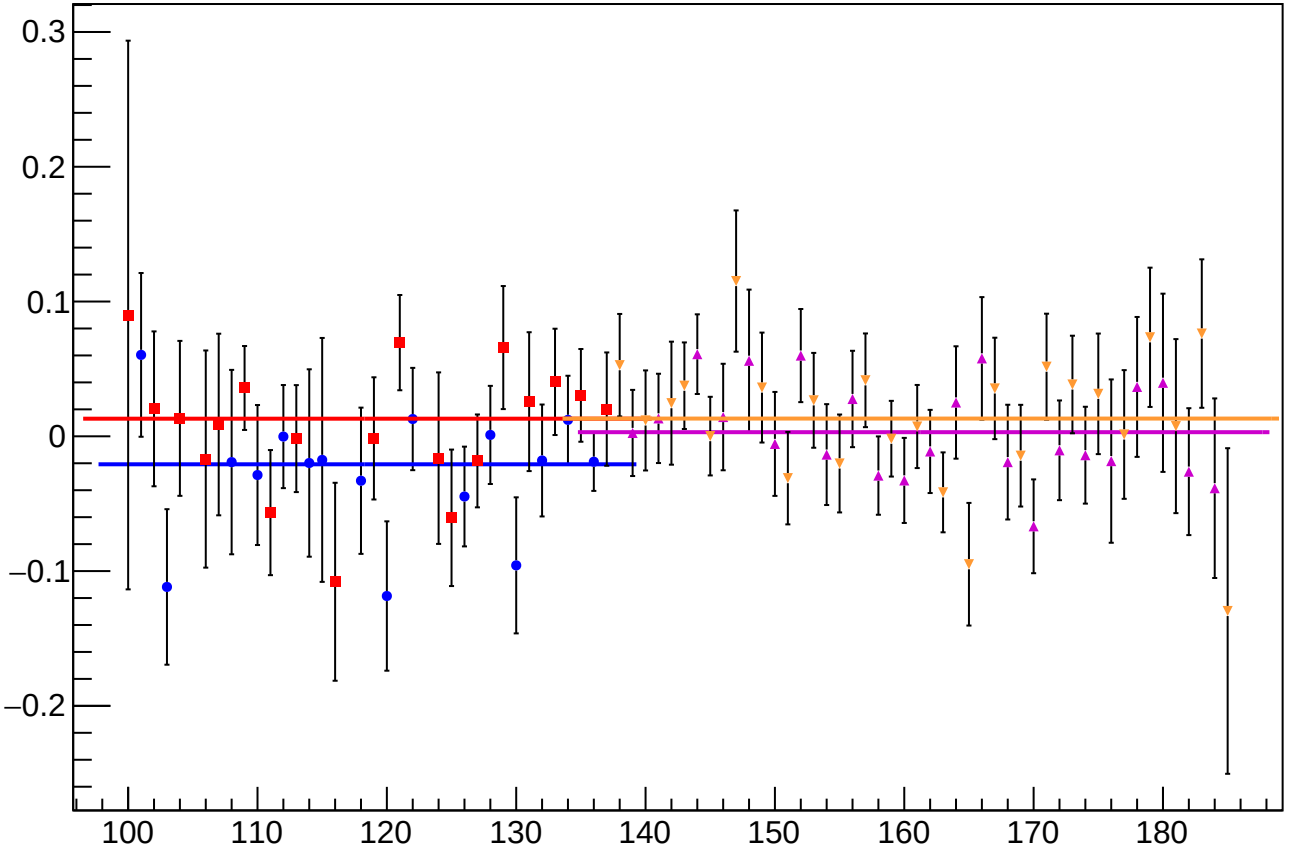
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3413526.1/40

All: 0.000+/-0.000 χ^2/NDF: 6465459.7/82

- 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: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

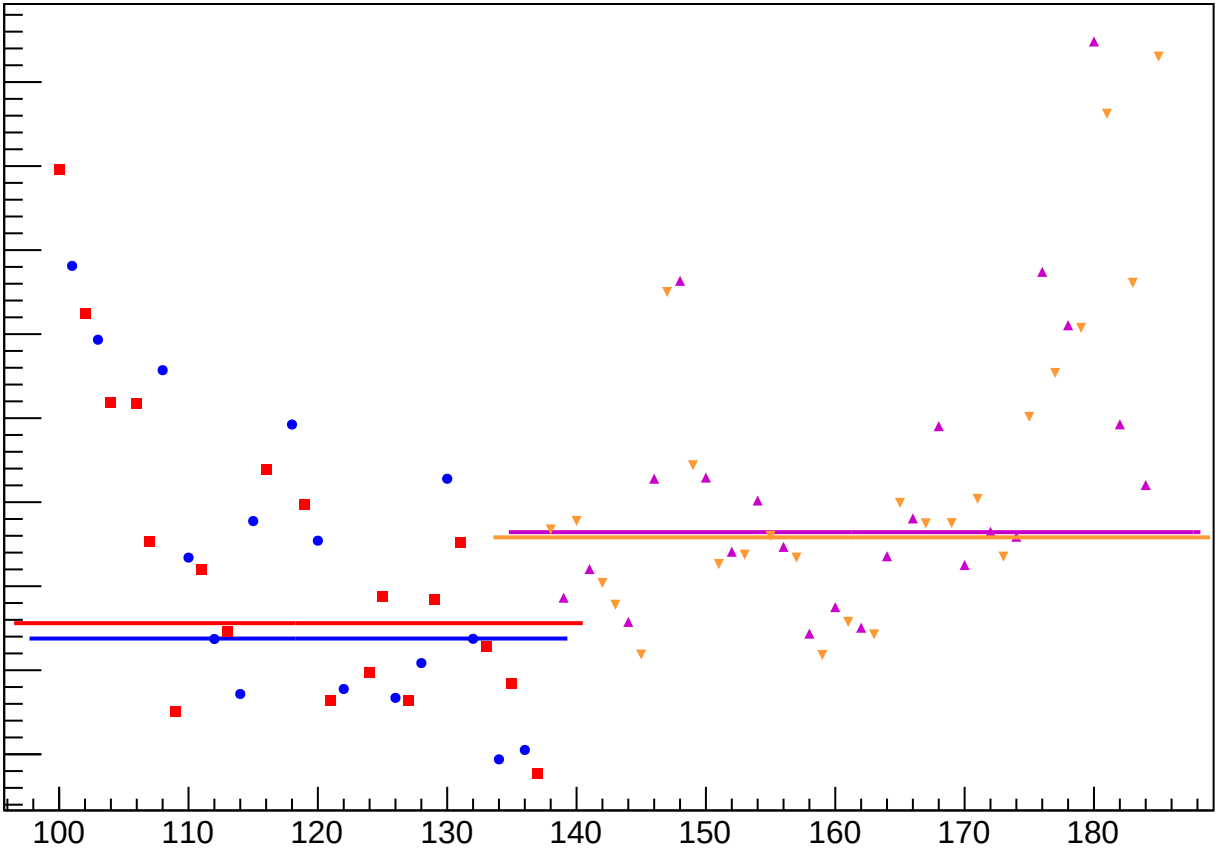
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/40

All: 0.004+/-0.004 χ^2/NDF: 78.7/82

- 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: 32.907+/-0.005 χ^2/NDF:1427924.1/24

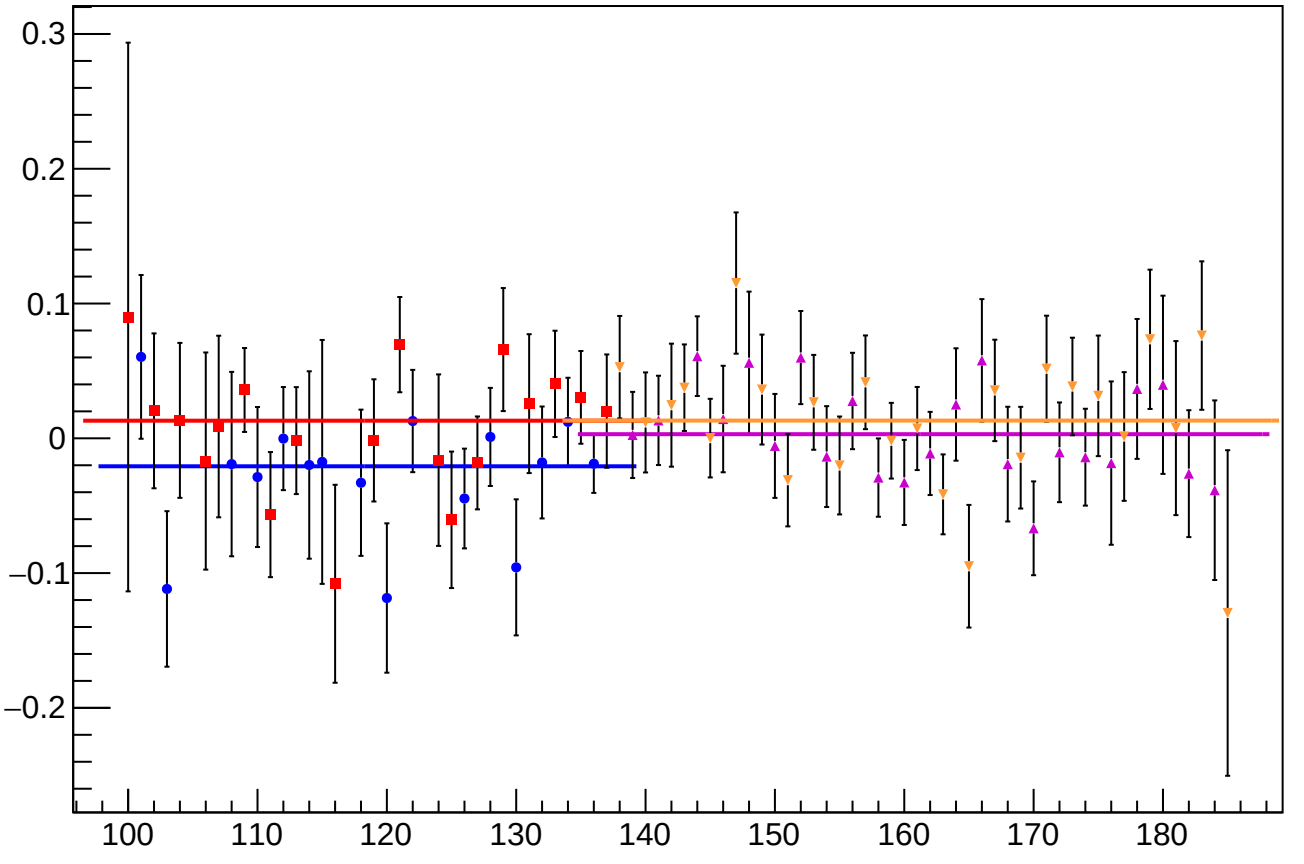
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 30.811+/-0.004 χ^2/NDF: 2976520.8/40

All: 31.025+/-0.003 χ^2/NDF: 5301916.9/82

\- sign 31.250+/-0.004 χ^2/NDF: 2320524.6/41



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

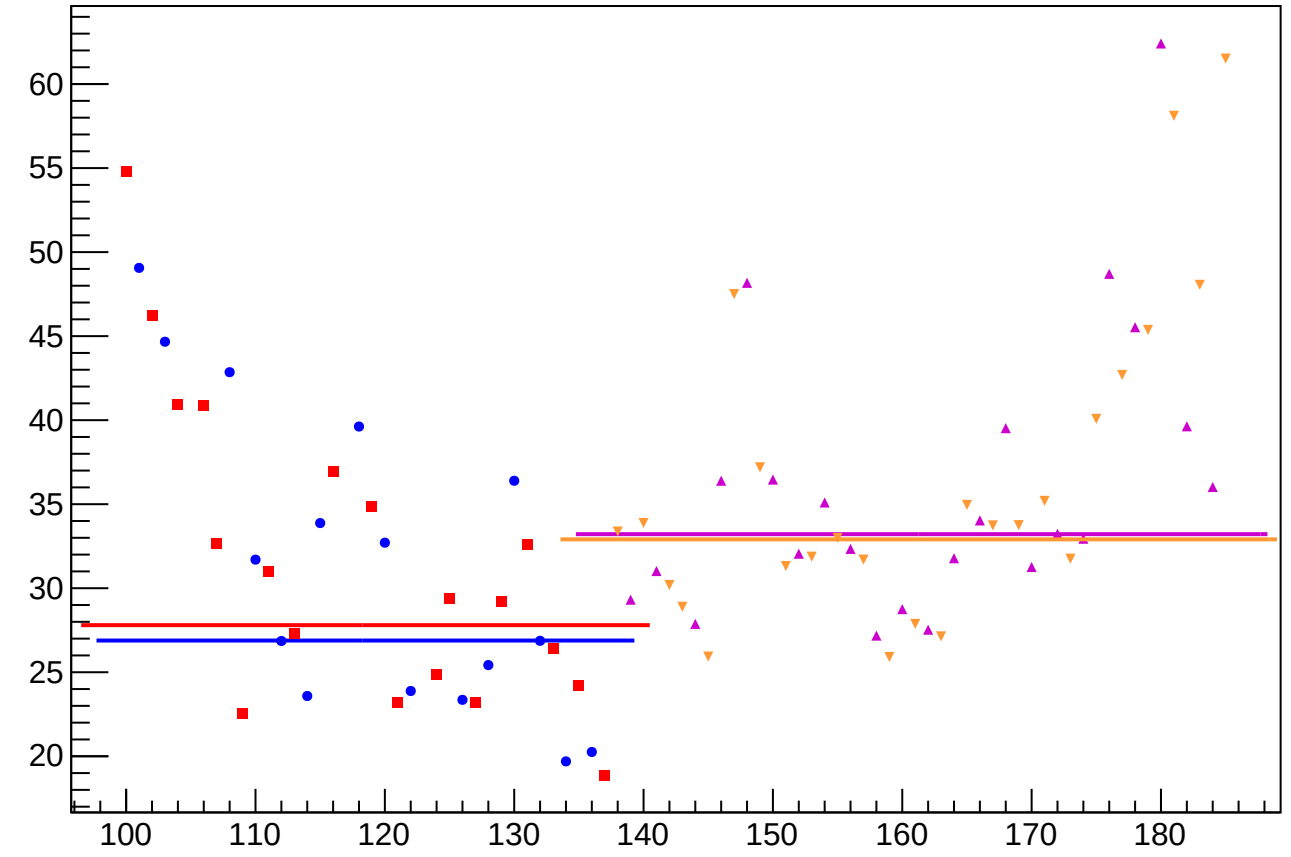
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/40

All: 0.004+/-0.004 χ^2/NDF: 78.7/82

- 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: 32.907+/-0.005 χ^2/NDF:1427924.1/24

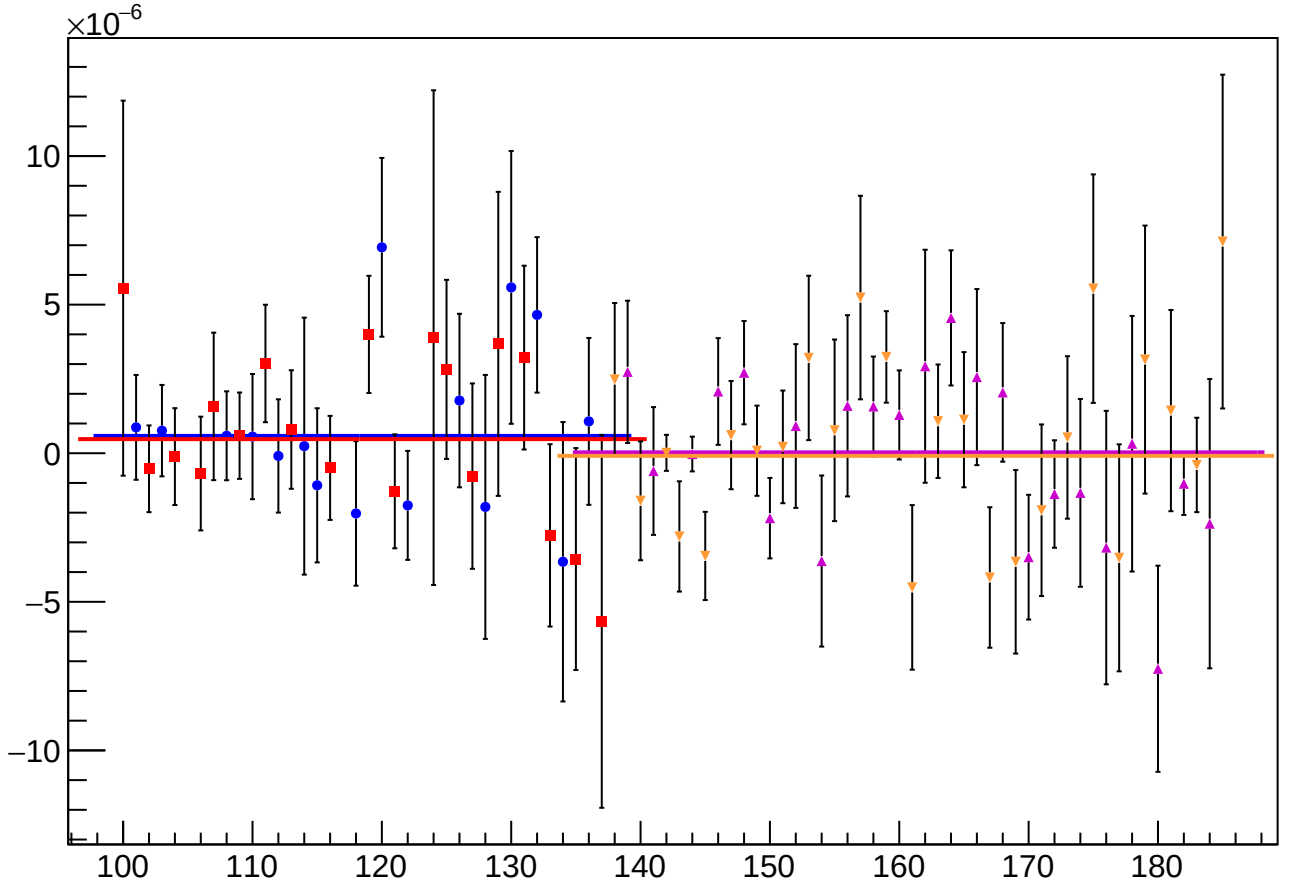
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.811+/-0.004 χ^2/NDF: 2976520.8/40

All: 31.025+/-0.003 χ^2/NDF: 5301916.9/82

- 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:31.0/24

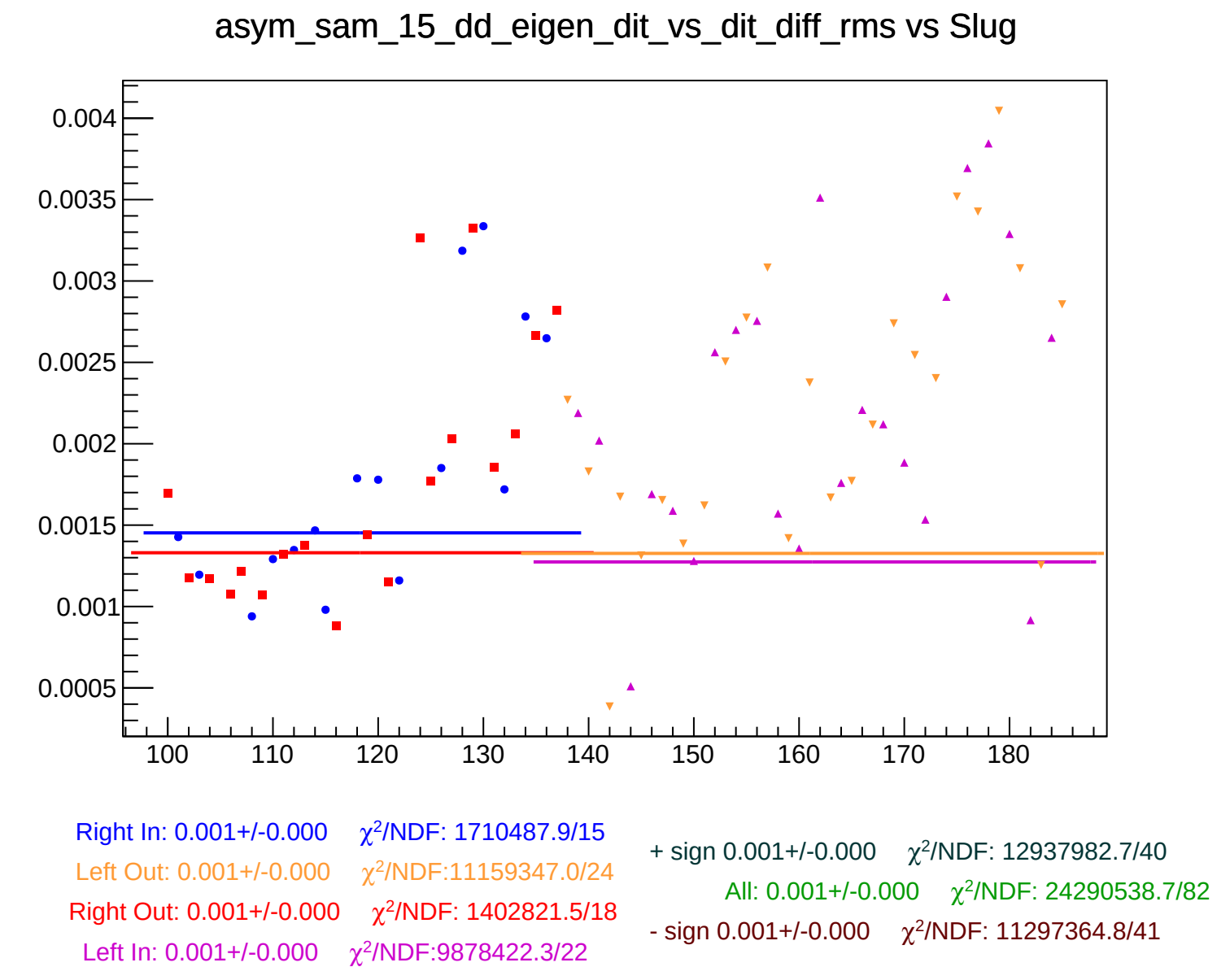
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

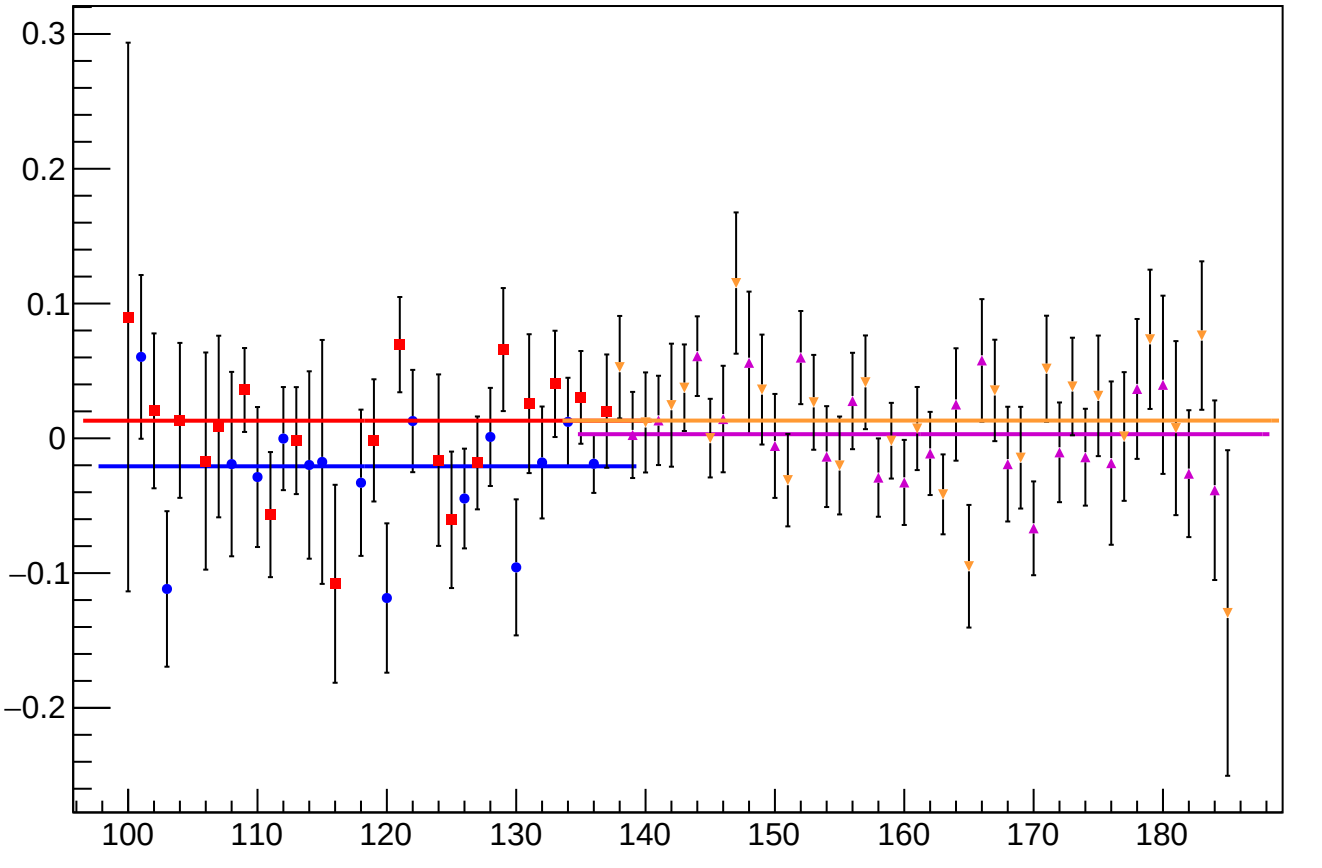
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/40

All: 0.000+/-0.000 χ^2/NDF: 85.4/82

- 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:11159347.0/24
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: 12937982.7/40
All: 0.001+/-0.000 χ²/NDF: 24290538.7/82
- sign 0.001+/-0.000 χ²/NDF: 11297364.8/41



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

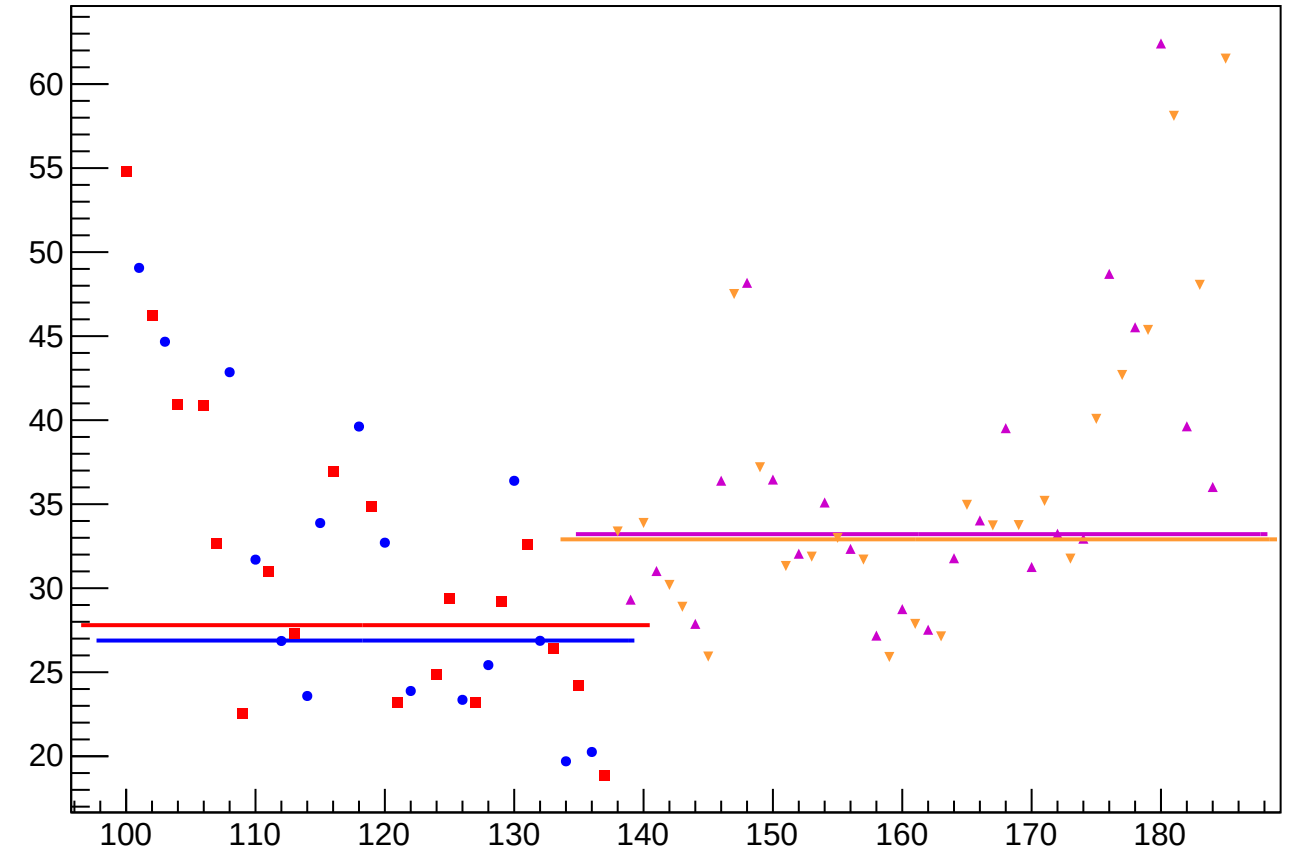
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/40

All: 0.004+/-0.004 χ^2/NDF: 78.7/82

- sign 0.007+/-0.006 χ^2/NDF: 33.7/41



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

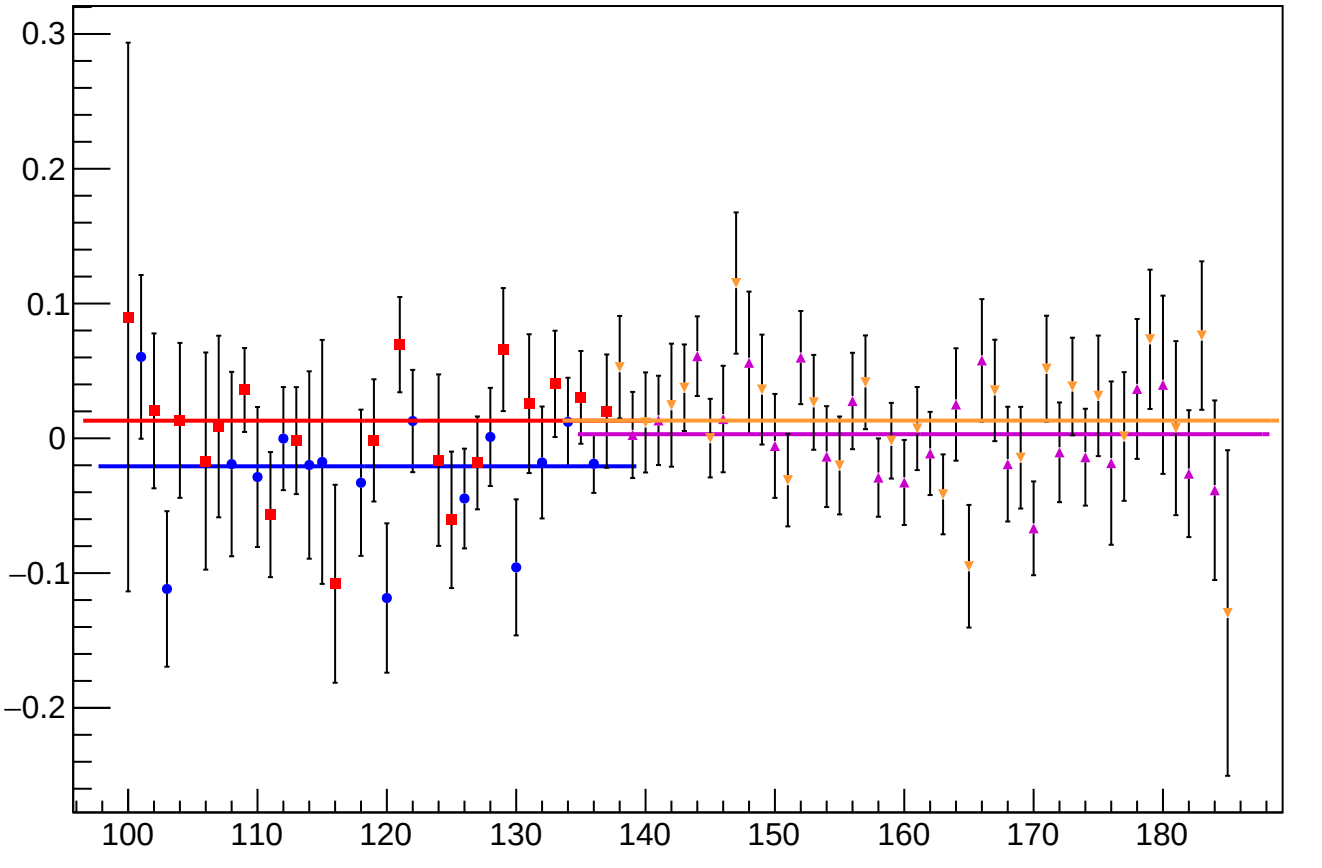
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.811+/-0.004 χ^2/NDF: 2976732.2/40

All: 31.025+/-0.003 χ^2/NDF: 5302490.9/82

- sign 31.249+/-0.004 χ^2/NDF: 2320890.6/41



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

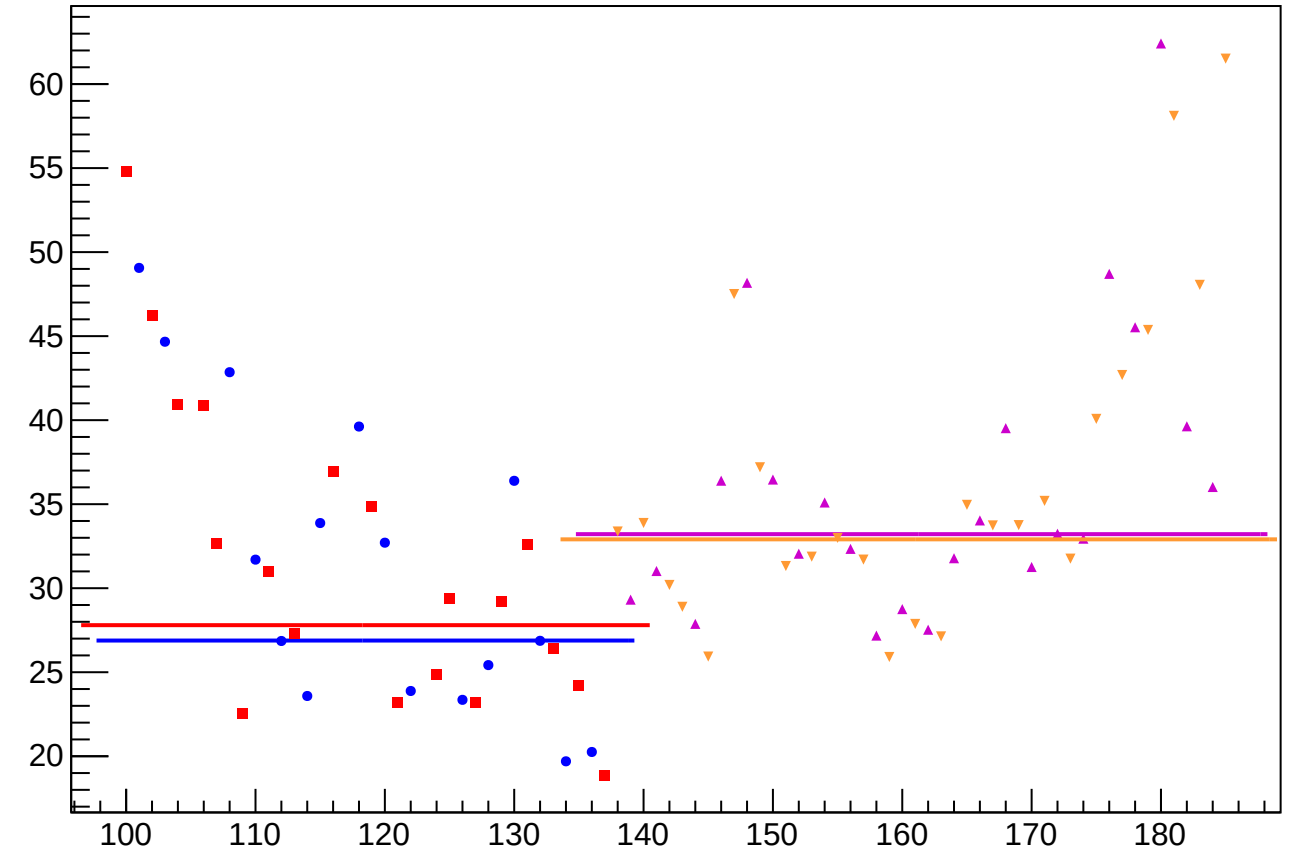
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/40

All: 0.004+/-0.004 χ^2/NDF: 78.7/82

- sign 0.007+/-0.006 χ^2/NDF: 33.7/41



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

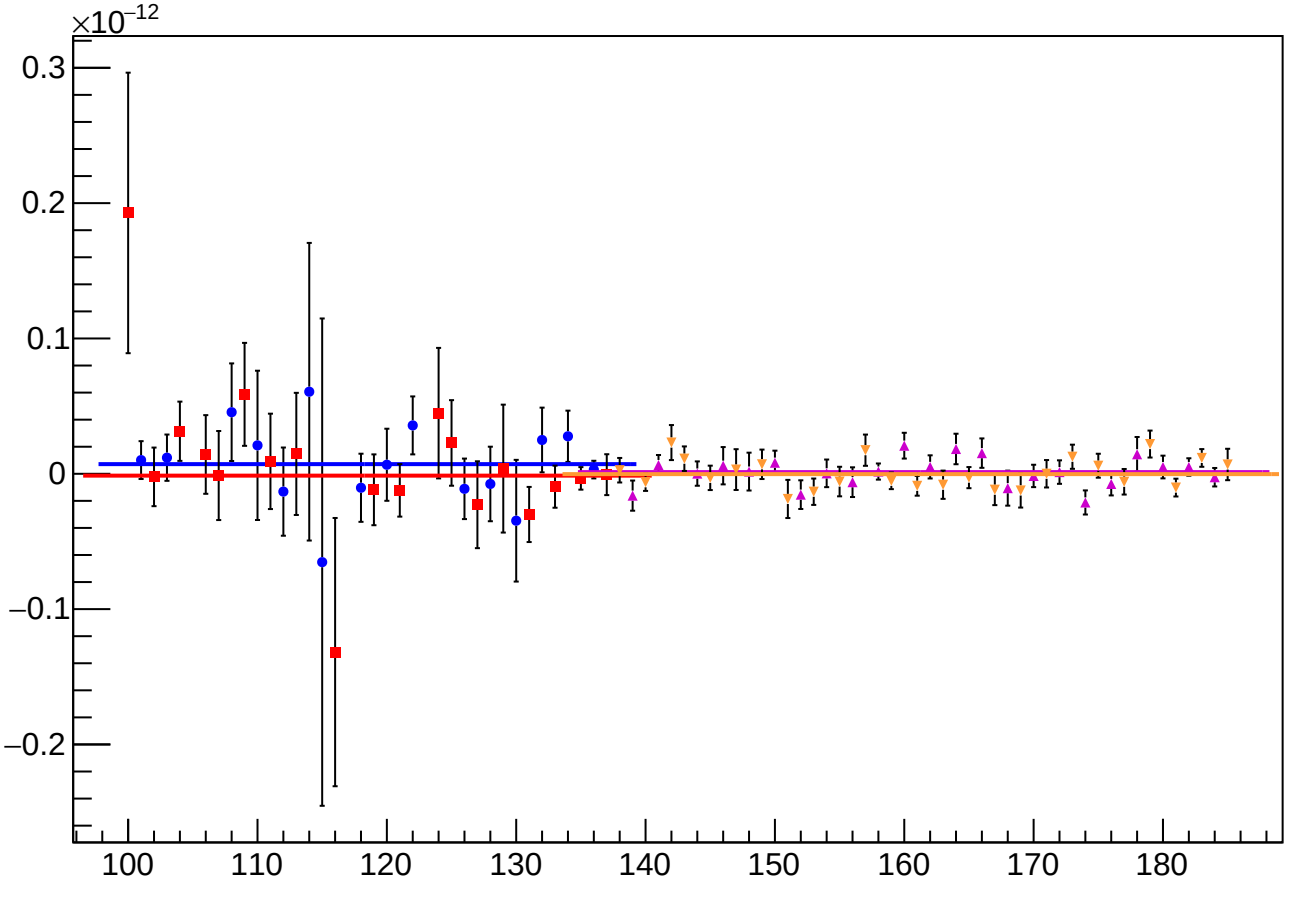
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.811+/-0.004 χ^2/NDF: 2976732.2/40

All: 31.025+/-0.003 χ^2/NDF: 5302490.9/82

- 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:31.0/24

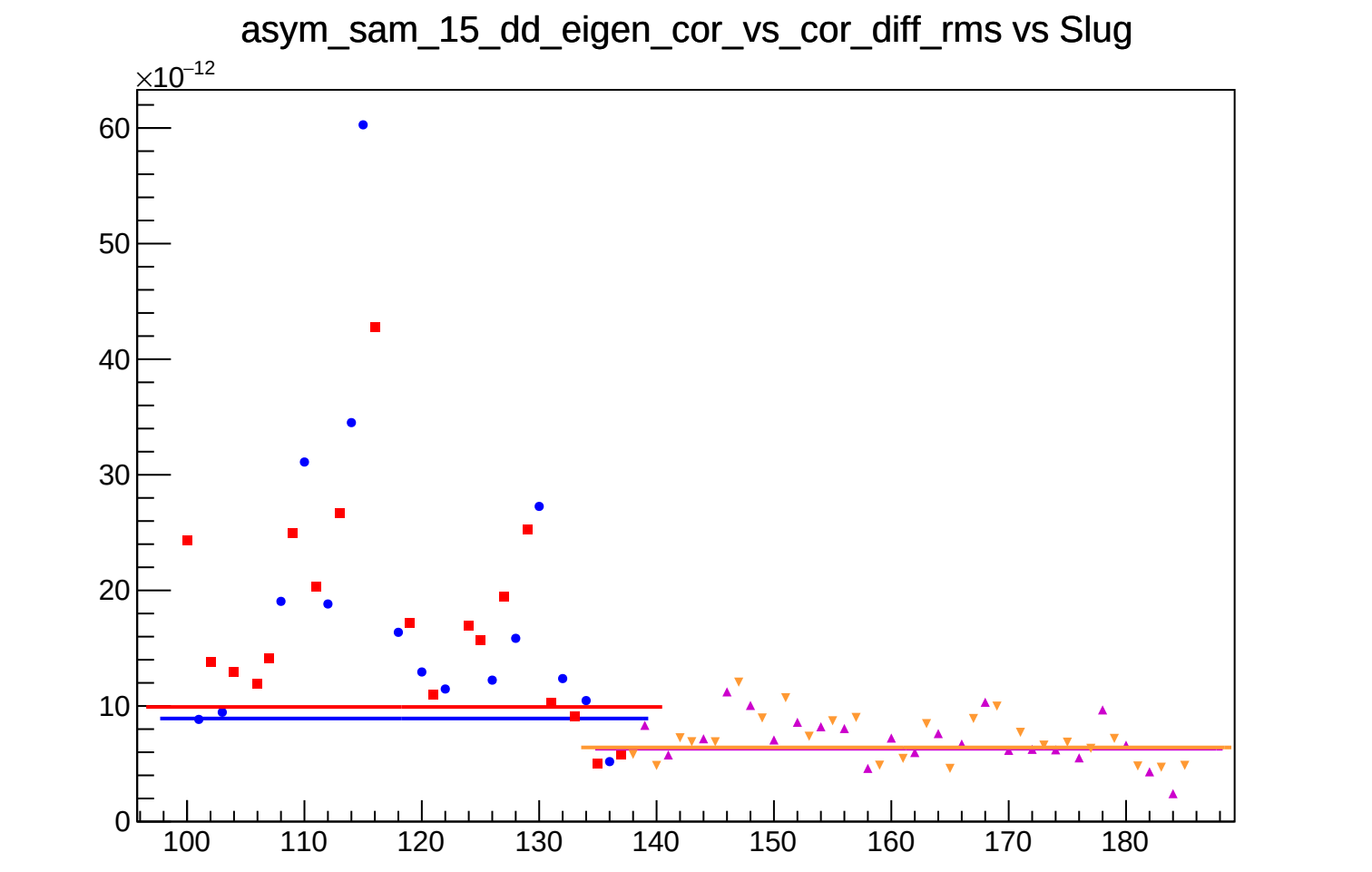
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.6/40

All: 0.000+/-0.000 χ^2/NDF: 82.4/82

- sign 0.000+/-0.000 χ^2/NDF: 40.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

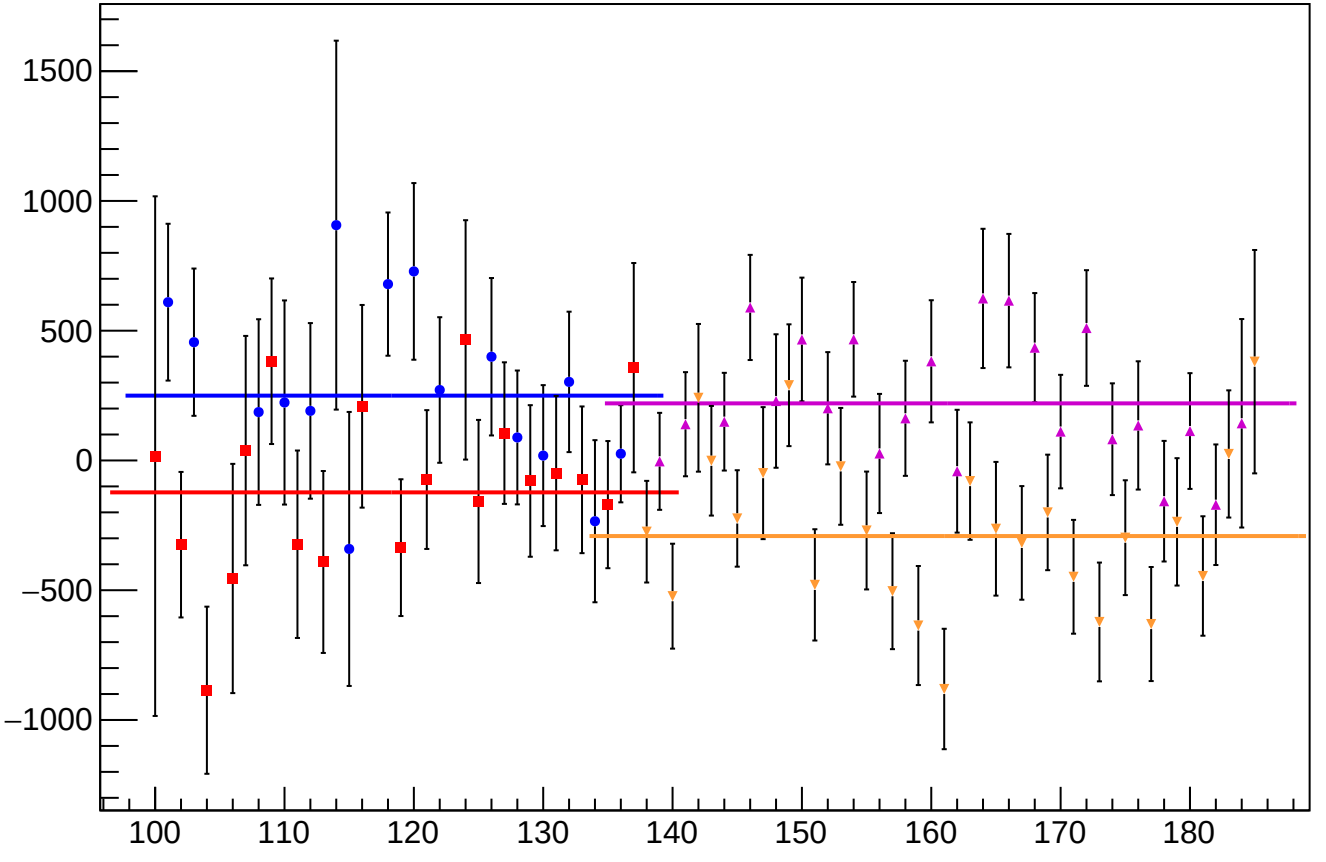
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4799722.5/40

All: 0.000+/-0.000 χ^2/NDF: 10529350.9/82

- sign 0.000+/-0.000 χ^2/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: -291.313+/-45.614 χ^2/NDF:36.4/24

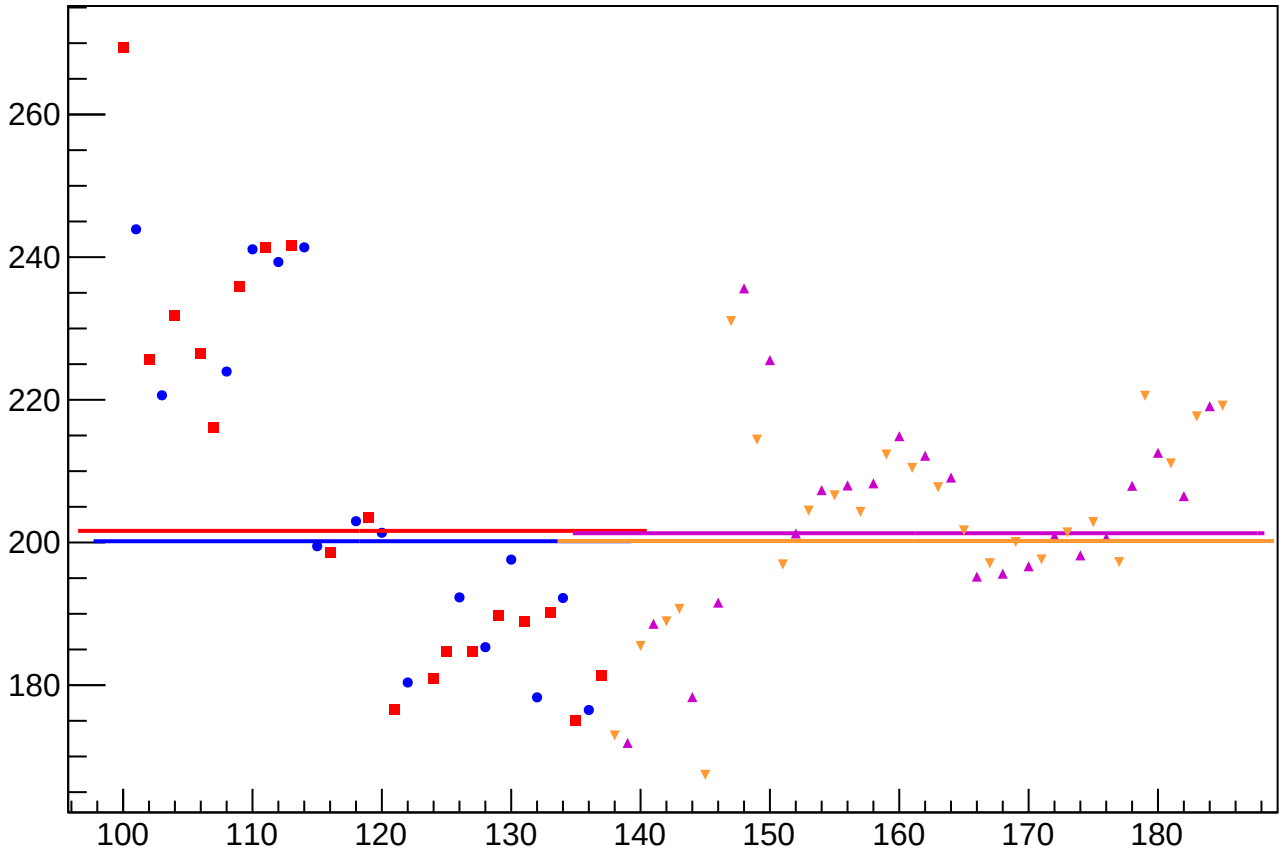
Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -144.866+/-38.955 χ^2/NDF: 88.2/40

All: -14.528+/-27.846 χ^2/NDF: 165.6/82

- sign 121.656+/-39.819 χ^2/NDF: 54.5/41



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

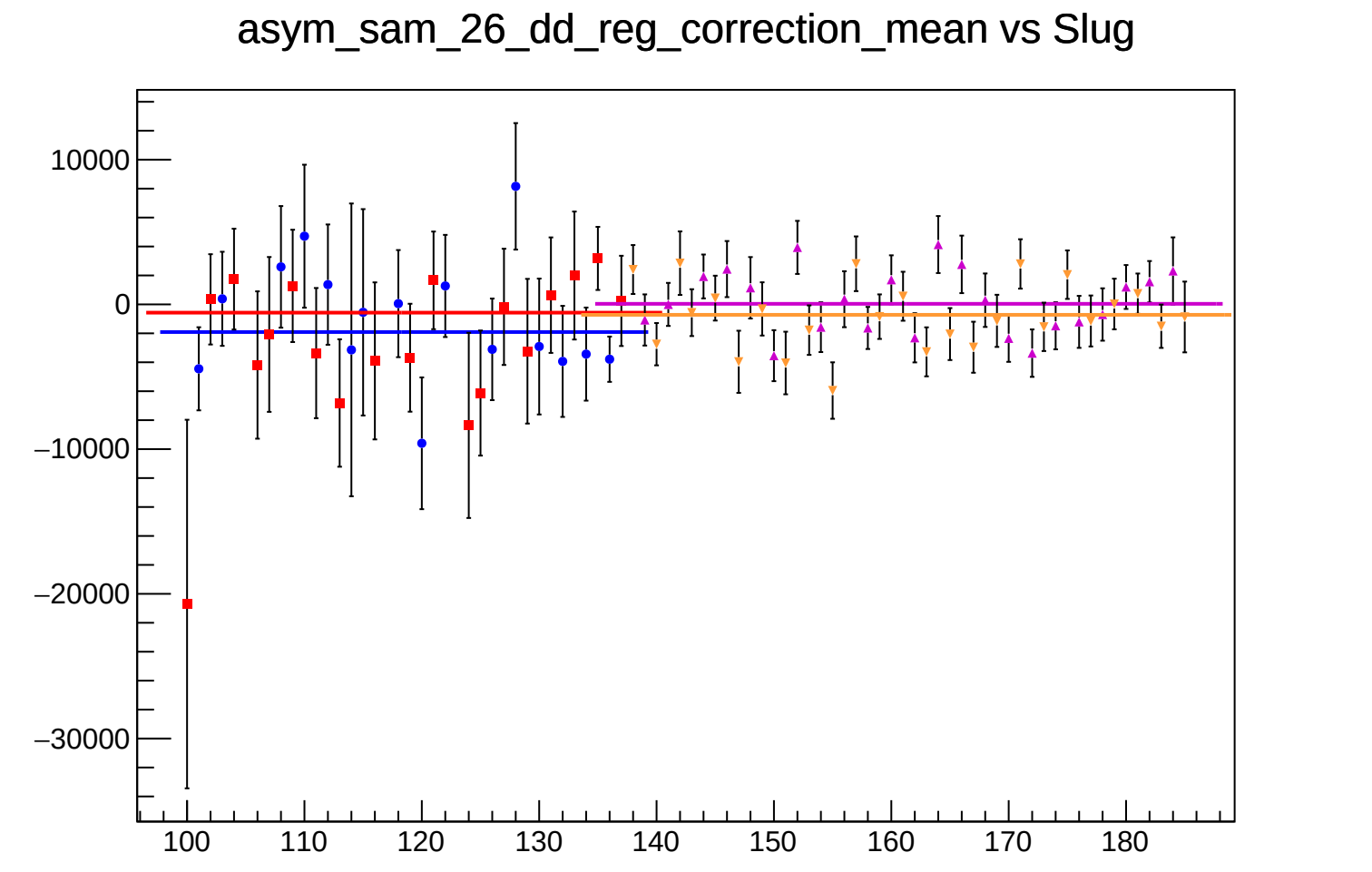
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.201+/-0.028 χ^2/NDF: 385395.6/40

All: 200.783+/-0.020 χ^2/NDF: 765230.3/82

- 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: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

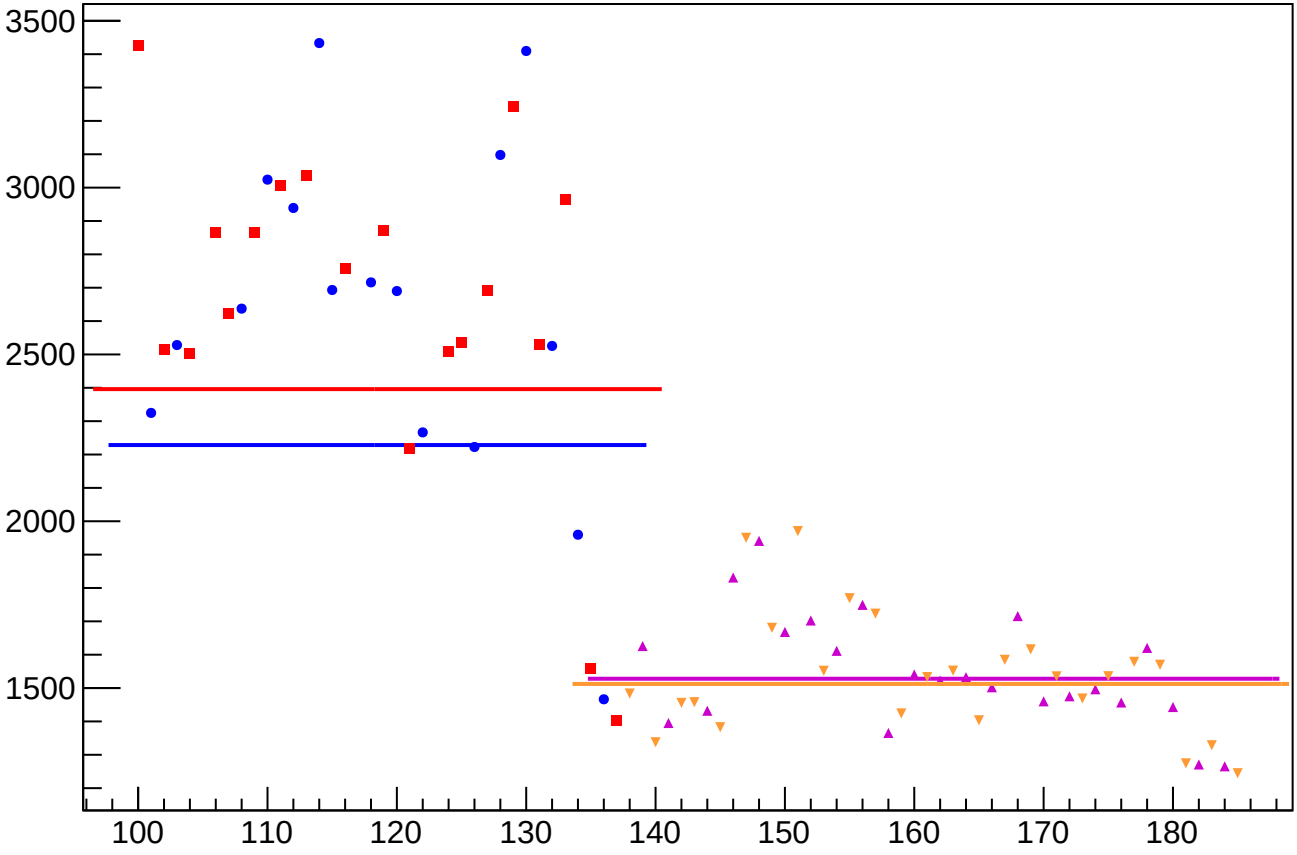
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -887.050+/-321.247 χ^2/NDF: 56.2/40

All: -481.783+/-231.429 χ^2/NDF: 108.9/82

- 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: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

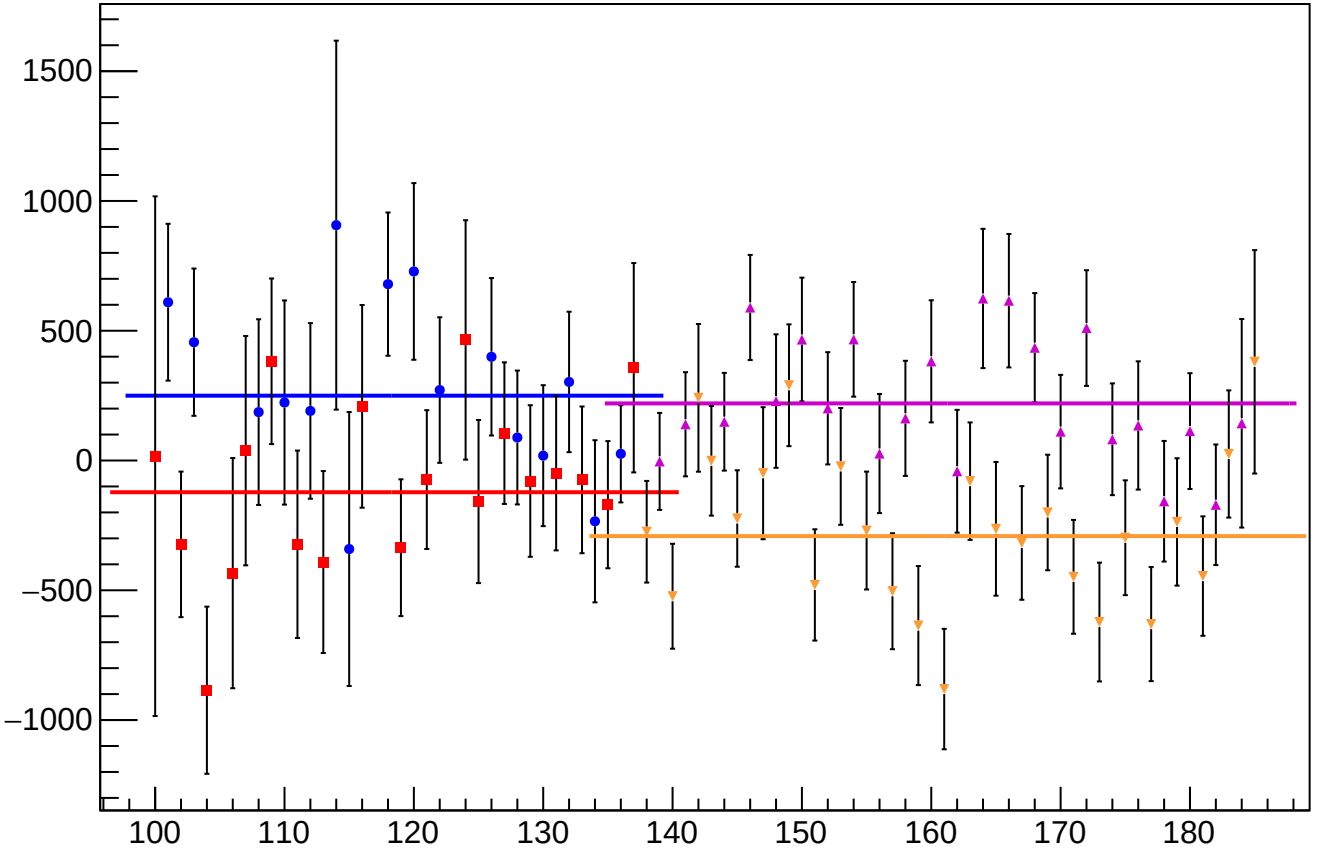
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1612.493+/-0.227 χ^2/NDF: 2585427.2/40

All: 1629.178+/-0.164 χ^2/NDF: 5373584.7/82

- sign 1647.180+/-0.236 χ^2/NDF: 2776941.6/41

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

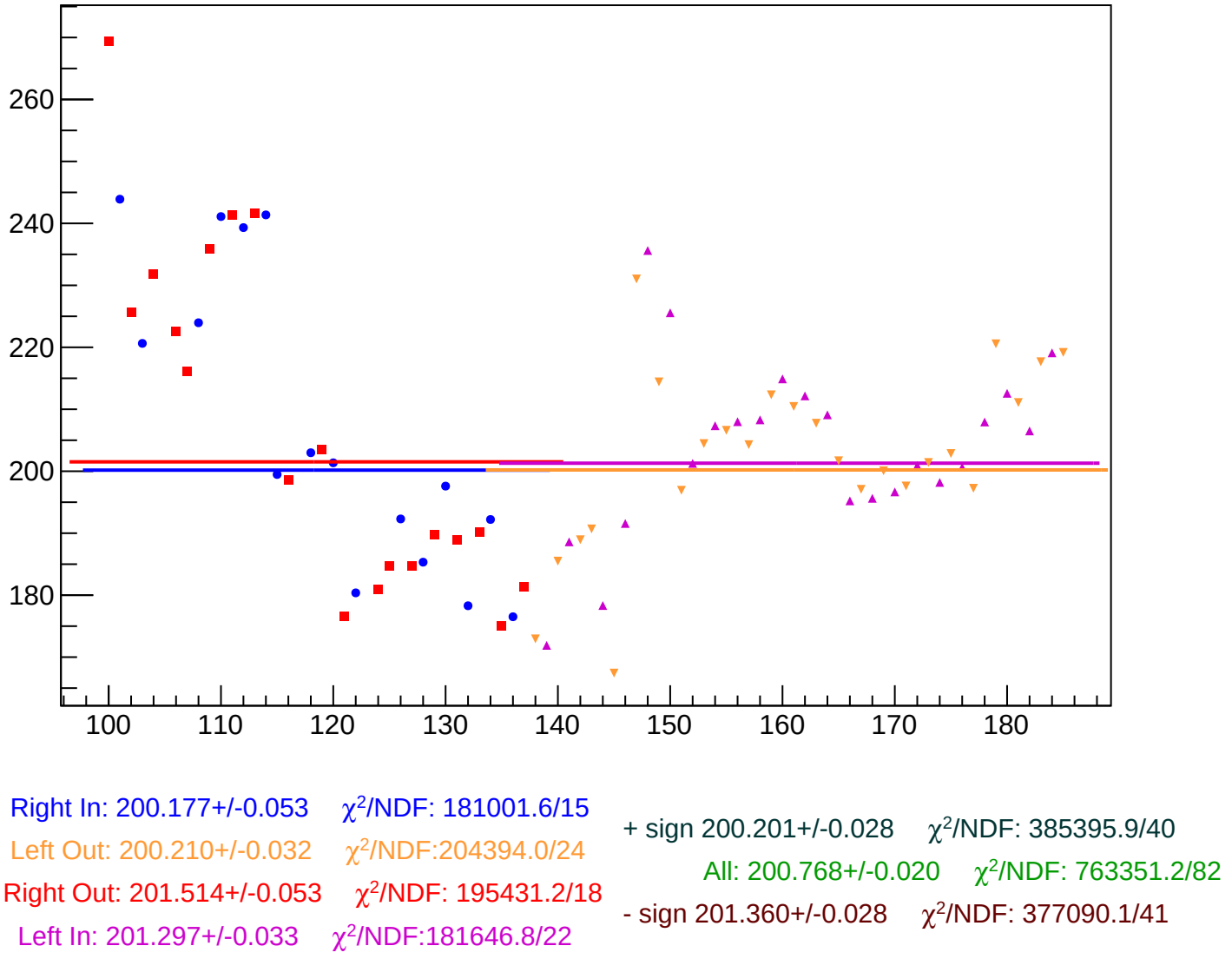
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -144.867+/-38.955 χ^2/NDF: 88.2/40

All: -14.411+/-27.846 χ^2/NDF: 165.4/82

- sign 121.906+/-39.820 χ^2/NDF: 54.3/41


cor_asym_sam_26_dd_rms vs Slug
260
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120
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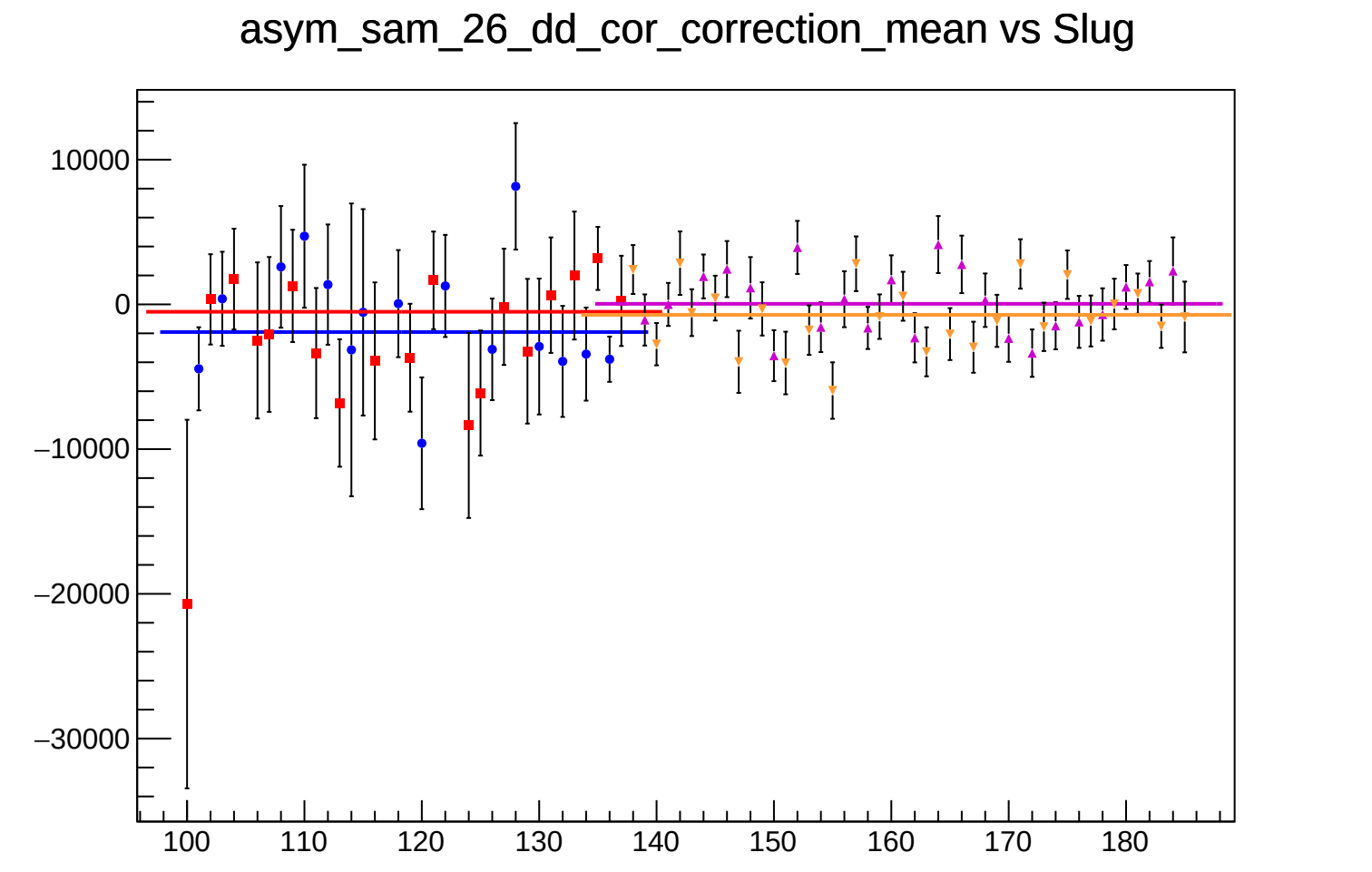
170
180
Right In: 200.177+/-0.053 χ²/NDF: 181001.6/15
Left Out: 200.210+/-0.032 χ²/NDF:204394.0/24
Right Out: 201.514+/-0.053 χ²/NDF: 195431.2/18
Left In: 201.297+/-0.033 χ²/NDF:181646.8/22
+ sign 200.201+/-0.028 χ²/NDF: 385395.9/40
All: 200.768+/-0.020 χ²/NDF: 763351.2/82
- sign 201.360+/-0.028 χ²/NDF: 377090.1/41



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

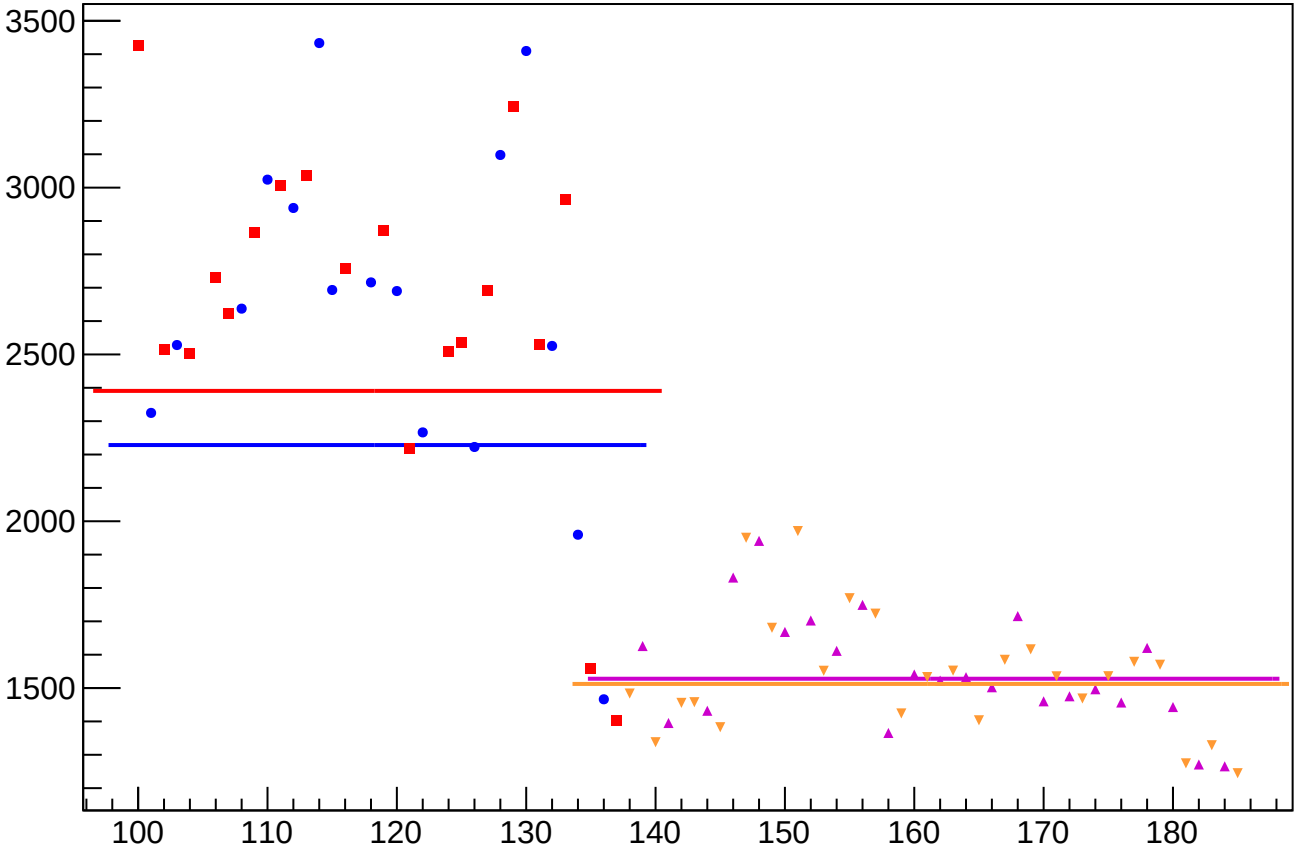
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -887.048+/-321.247 χ^2/NDF: 56.2/40

All: -477.833+/-231.455 χ^2/NDF: 108.5/82

- 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: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

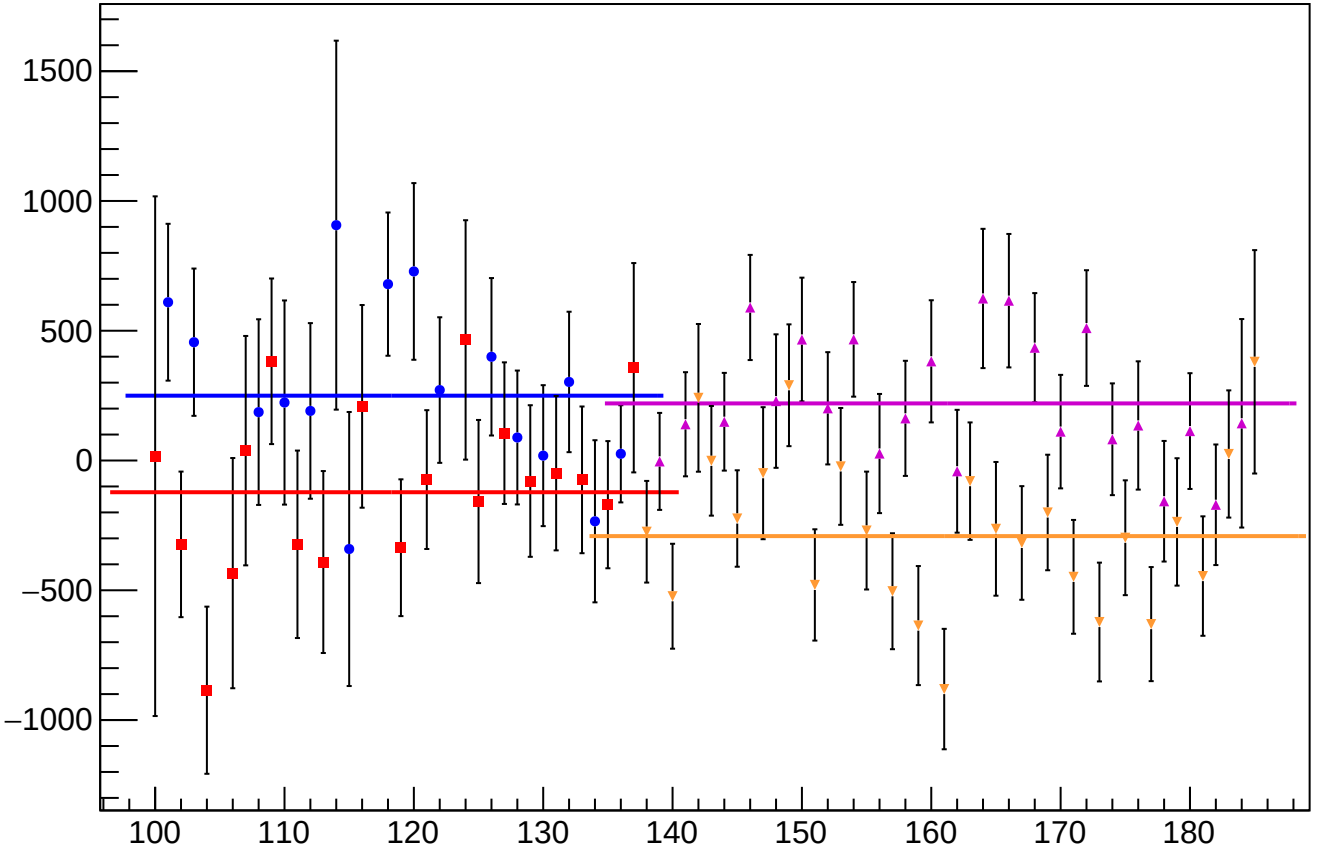
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1612.493+/-0.227 χ^2/NDF: 2585440.7/40

All: 1628.650+/-0.164 χ^2/NDF: 5339030.8/82

- 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: -291.316+/-45.614 χ^2/NDF:36.4/24

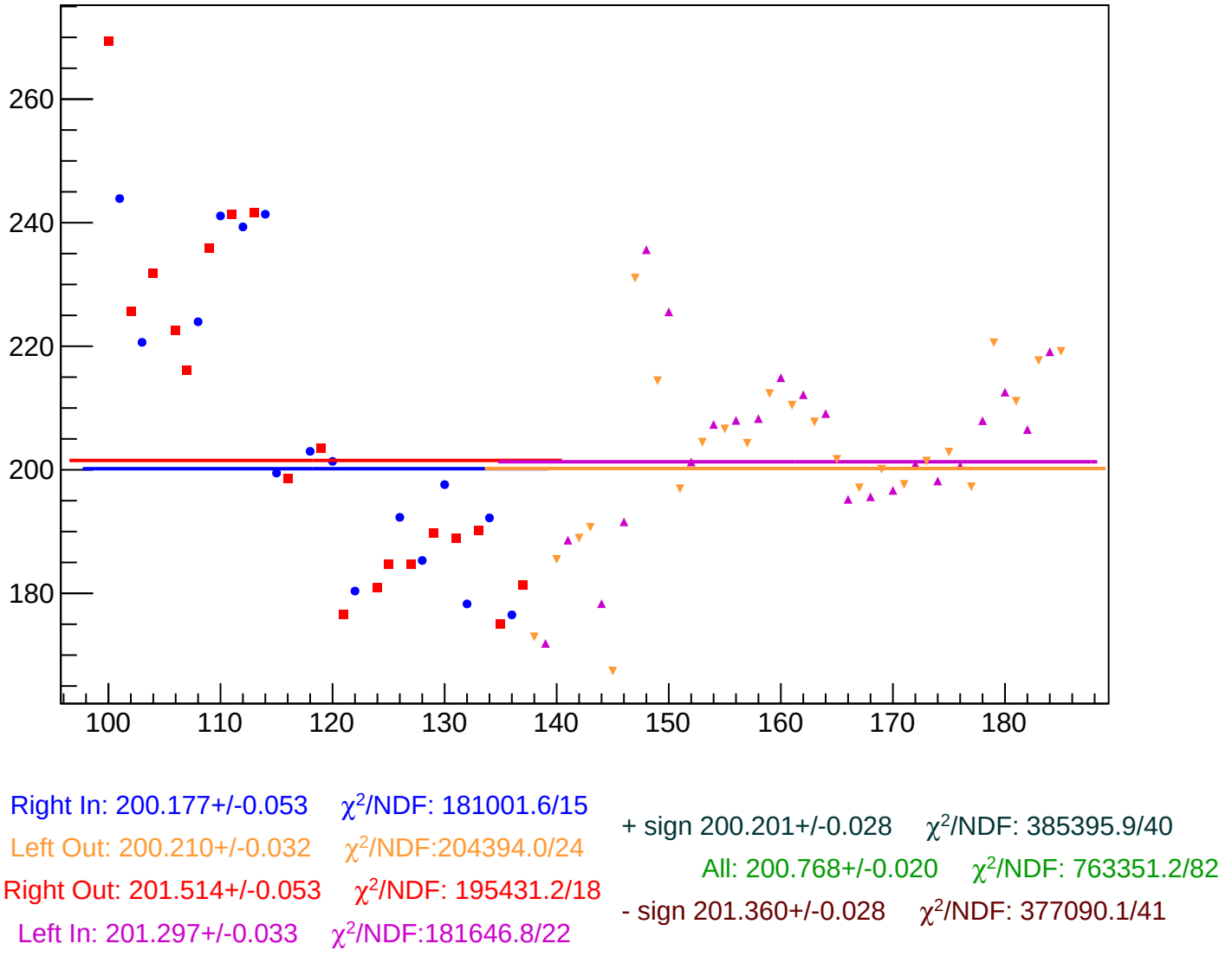
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -144.867+/-38.955 χ^2/NDF: 88.2/40

All: -14.411+/-27.846 χ^2/NDF: 165.4/82

- sign 121.906+/-39.820 χ^2/NDF: 54.3/41


eigen_cor_asym_sam_26_dd_rms vs Slug
260
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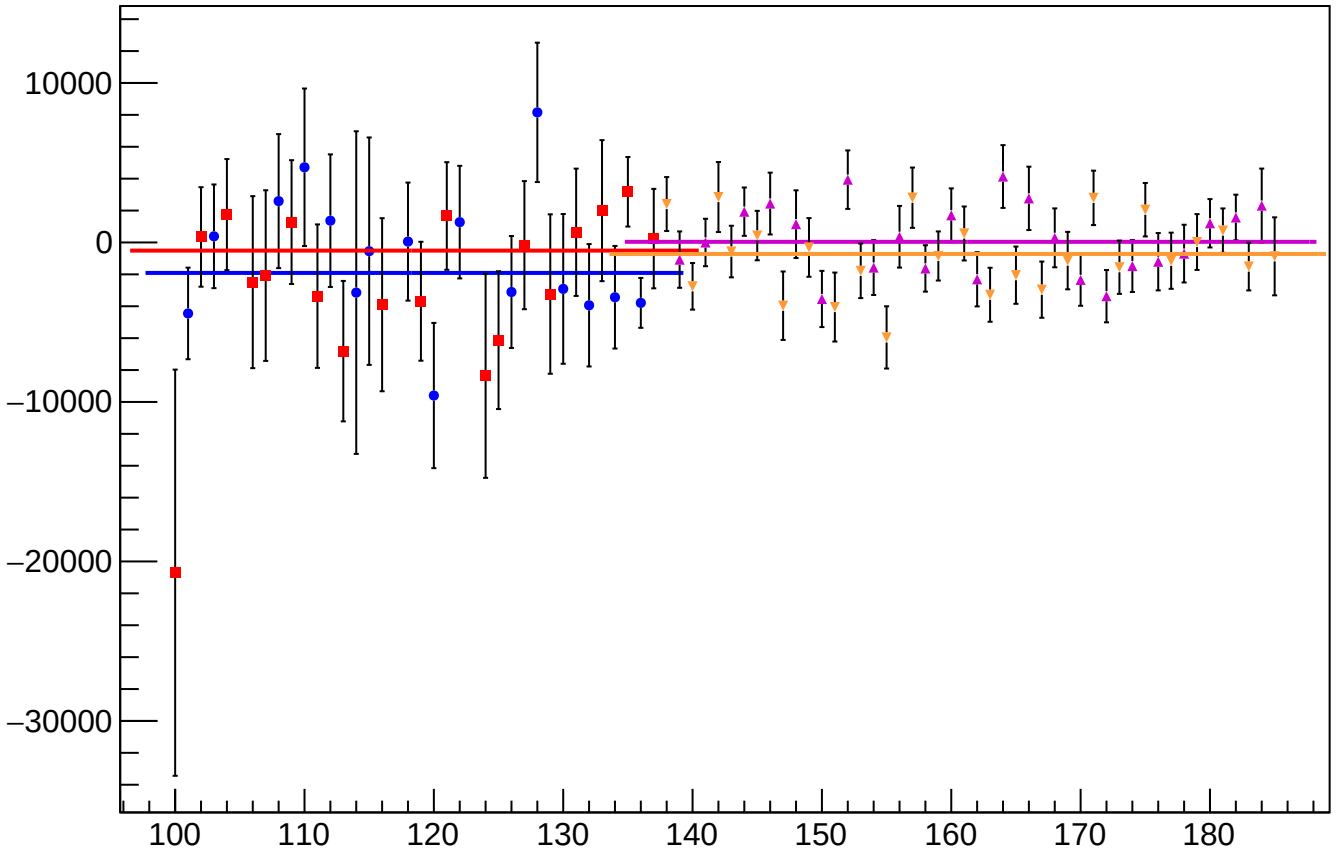
170
180
Right In: 200.177+/-0.053 χ²/NDF: 181001.6/15
Left Out: 200.210+/-0.032 χ²/NDF:204394.0/24
Right Out: 201.514+/-0.053 χ²/NDF: 195431.2/18
Left In: 201.297+/-0.033 χ²/NDF:181646.8/22
+ sign 200.201+/-0.028 χ²/NDF: 385395.9/40
All: 200.768+/-0.020 χ²/NDF: 763351.2/82
- sign 201.360+/-0.028 χ²/NDF: 377090.1/41



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

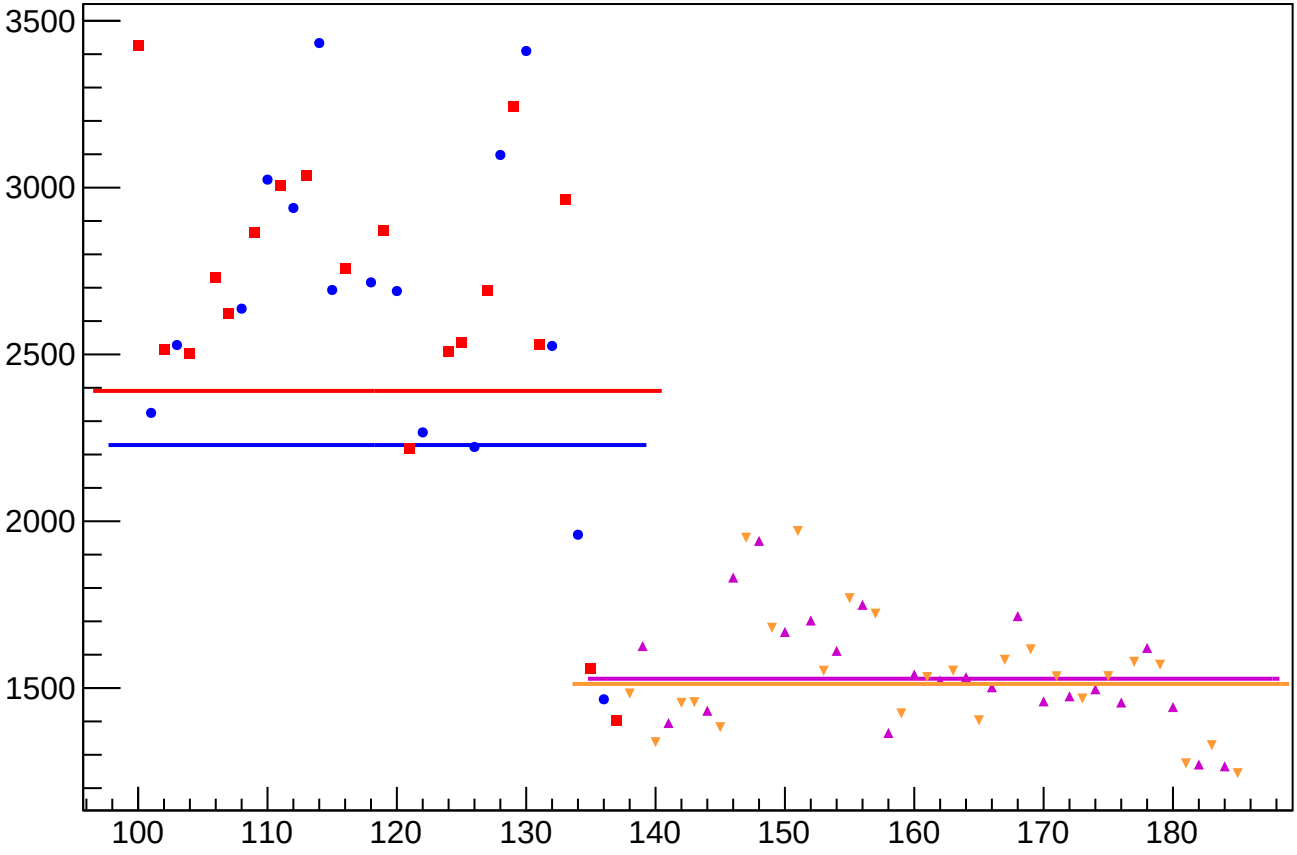
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -887.048+/-321.247 χ^2/NDF: 56.2/40

All: -477.833+/-231.455 χ^2/NDF: 108.5/82

- sign -36.105+/-333.765 χ^2/NDF: 49.0/41

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

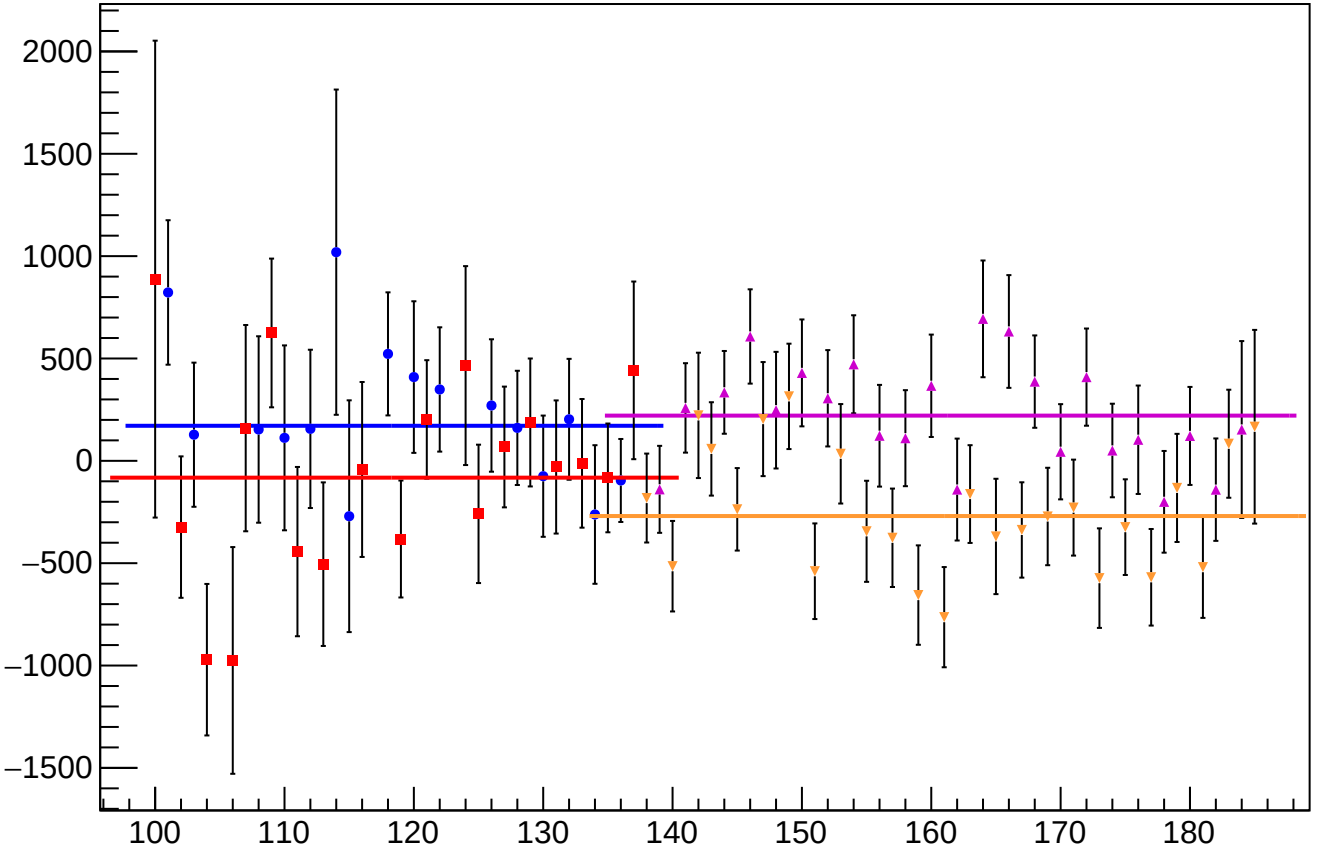
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1612.493+/-0.227 χ^2/NDF: 2585440.7/40

All: 1628.650+/-0.164 χ^2/NDF: 5339030.8/82

- 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: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

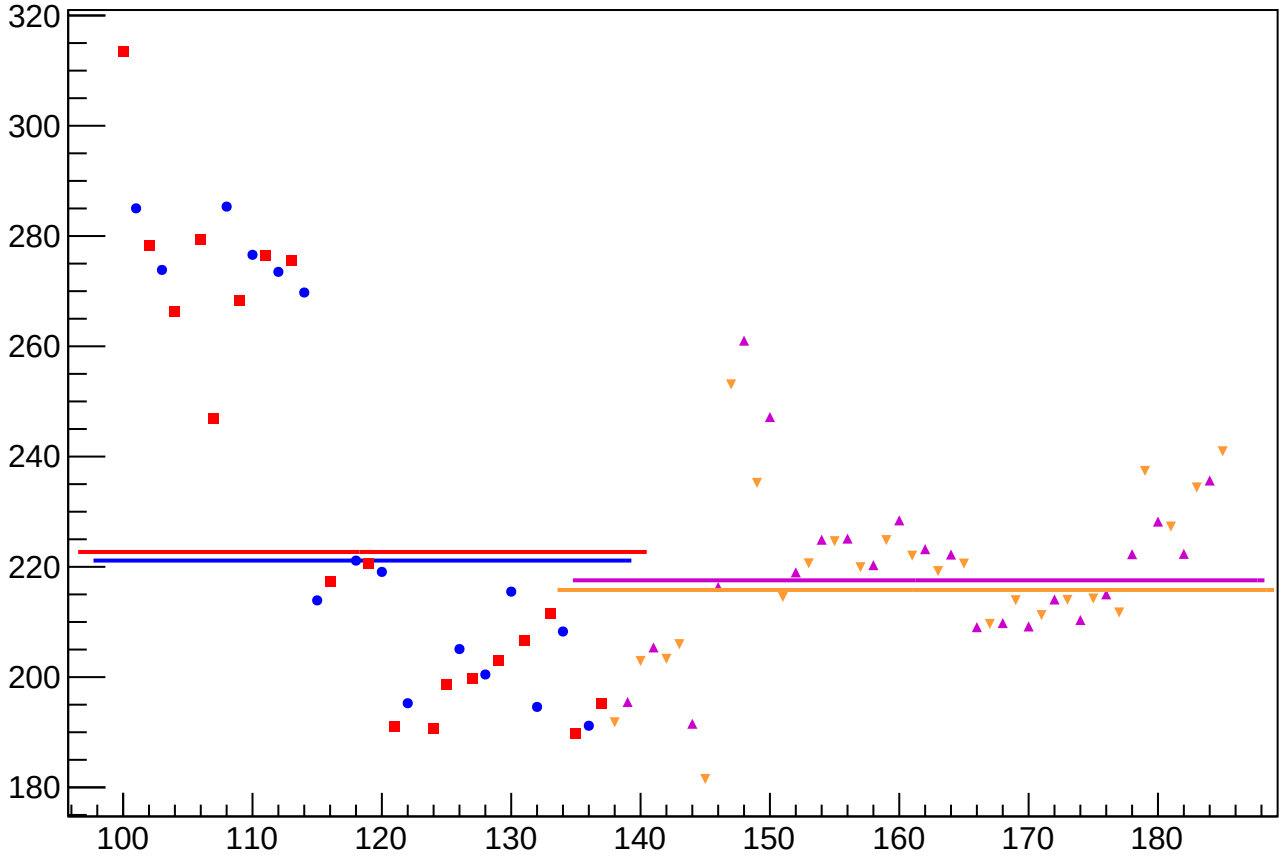
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -155.411+/-42.311 χ^2/NDF: 63.8/40

All: -12.636+/-30.282 χ^2/NDF: 141.9/82

- 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: 215.807+/-0.035 χ^2/NDF:188699.2/24

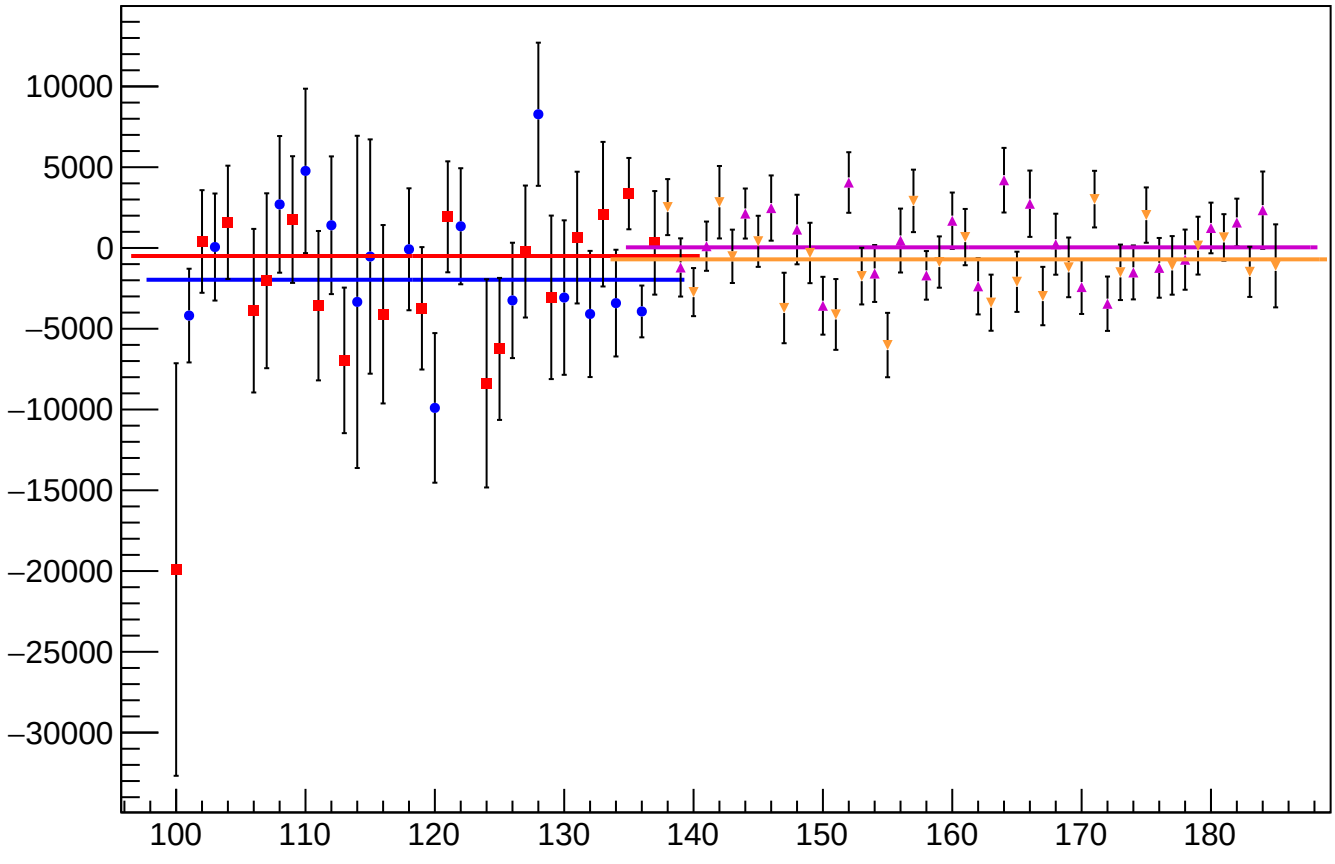
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.188+/-0.030 χ^2/NDF: 513500.2/40

All: 218.059+/-0.021 χ^2/NDF: 1008956.4/82

- sign 218.974+/-0.031 χ^2/NDF: 493719.5/41



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

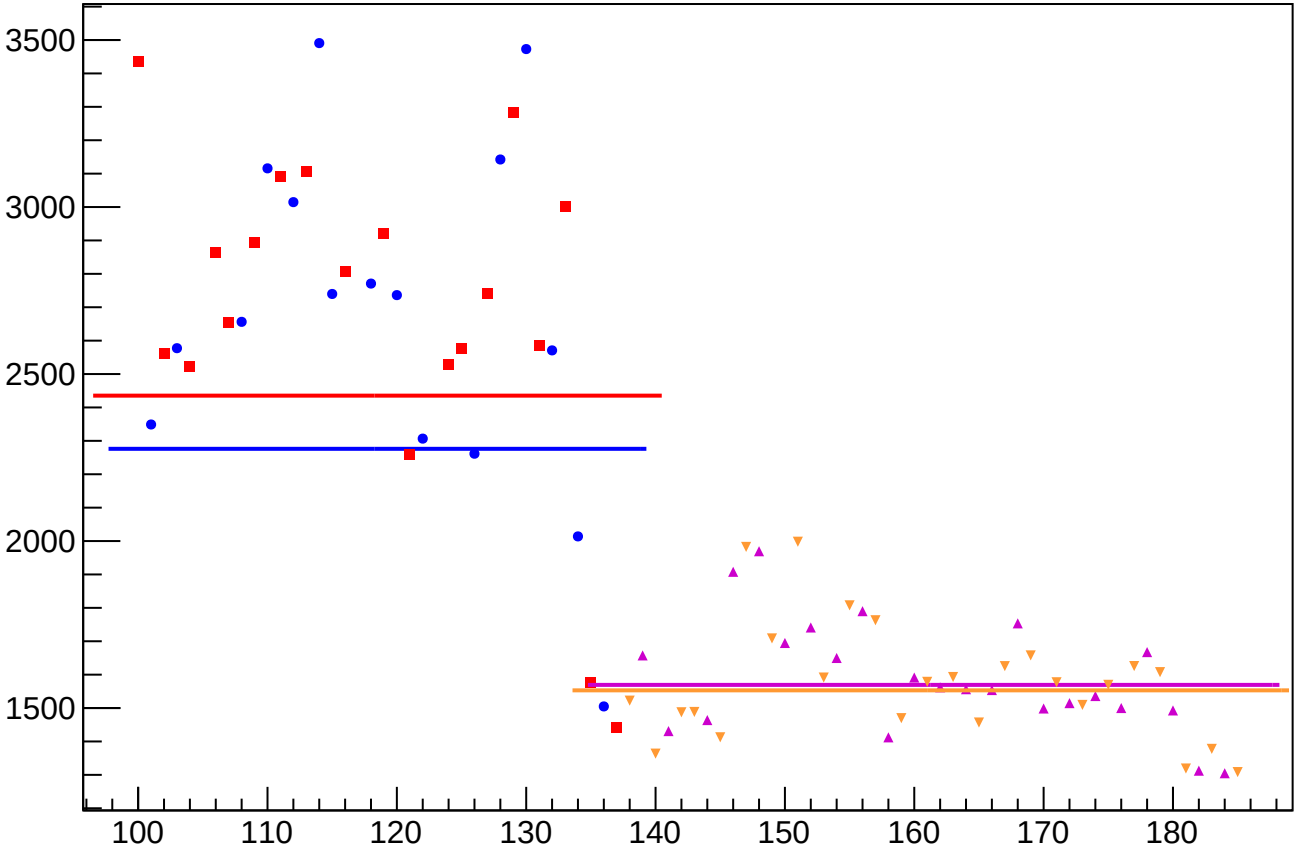
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -882.415+/-329.410 χ^2/NDF: 55.6/40

All: -474.936+/-237.290 χ^2/NDF: 108.1/82

- 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: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

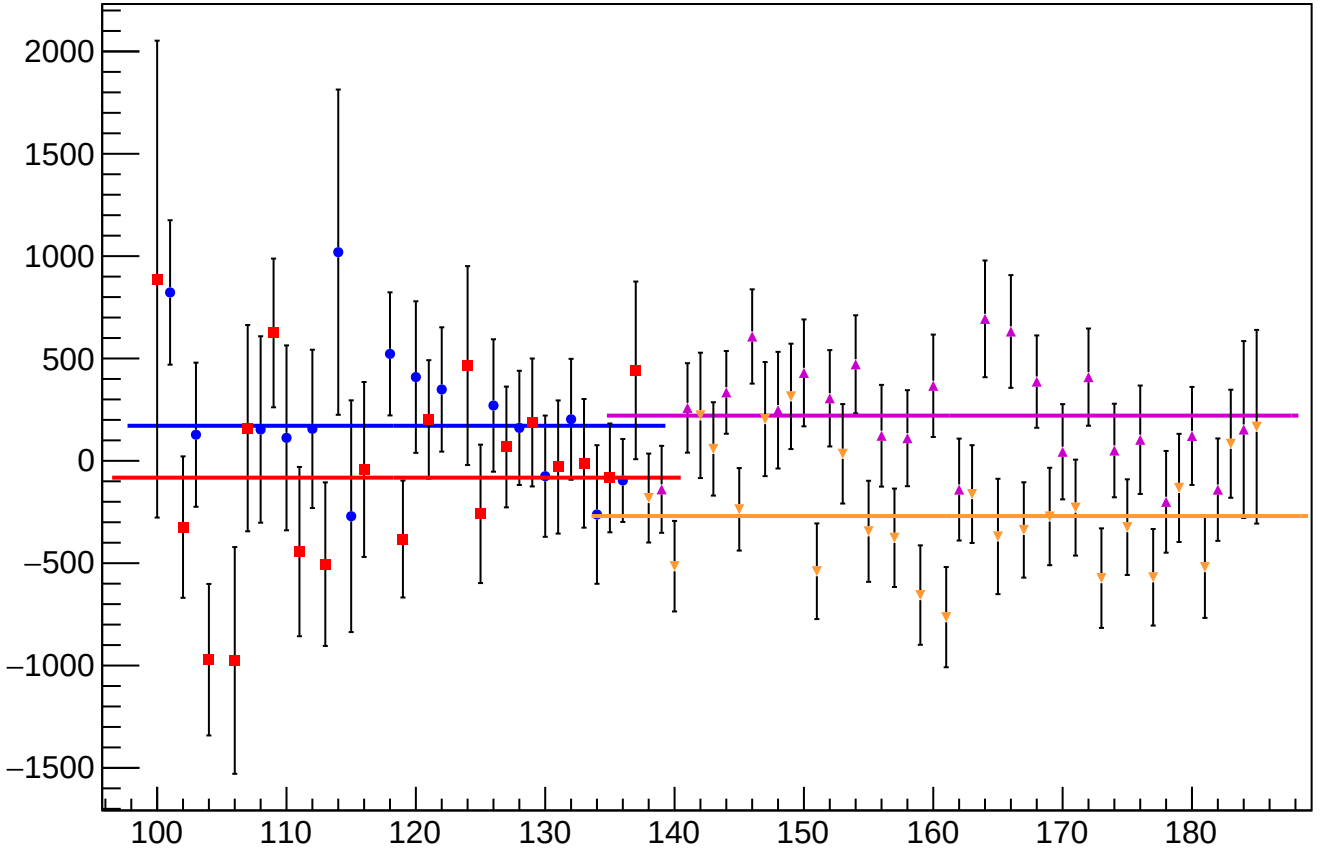
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1655.129+/-0.233 χ^2/NDF: 2505662.2/40

All: 1672.147+/-0.168 χ^2/NDF: 5207420.9/82

- 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: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

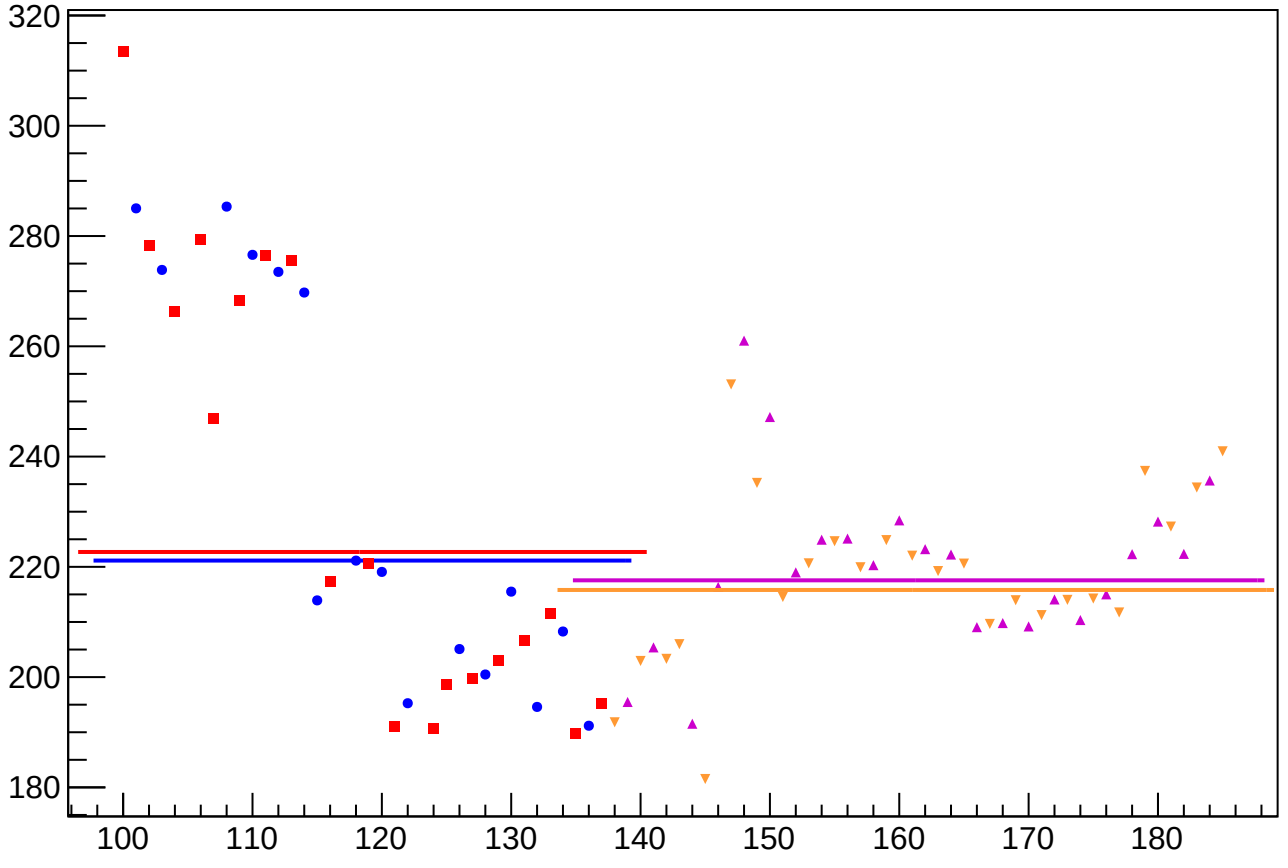
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -155.411+/-42.311 χ^2/NDF: 63.8/40

All: -12.636+/-30.282 χ^2/NDF: 141.9/82

- 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: 215.806+/-0.035 χ^2/NDF:188703.4/24

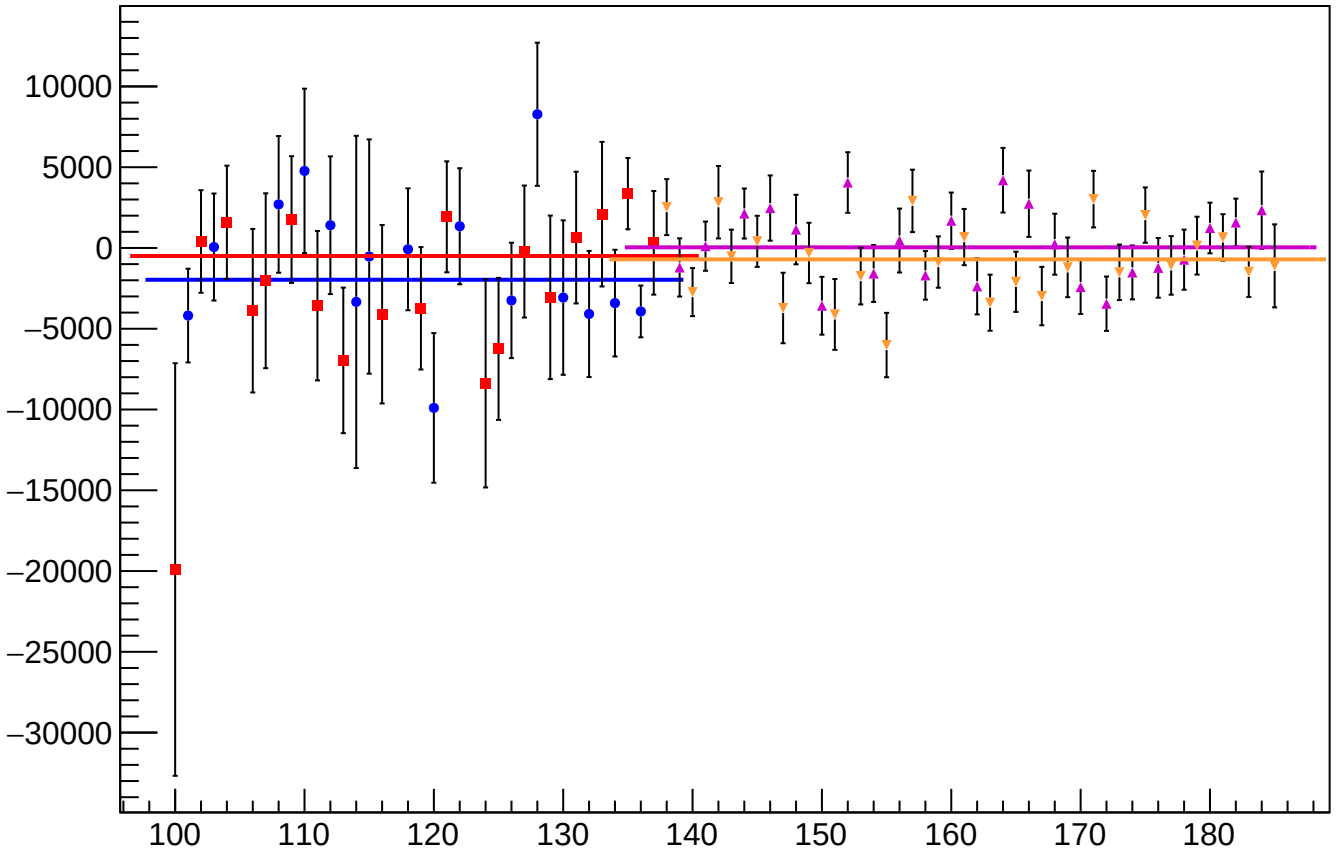
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.188+/-0.030 χ^2/NDF: 513496.8/40

All: 218.059+/-0.021 χ^2/NDF: 1008947.0/82

- 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: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

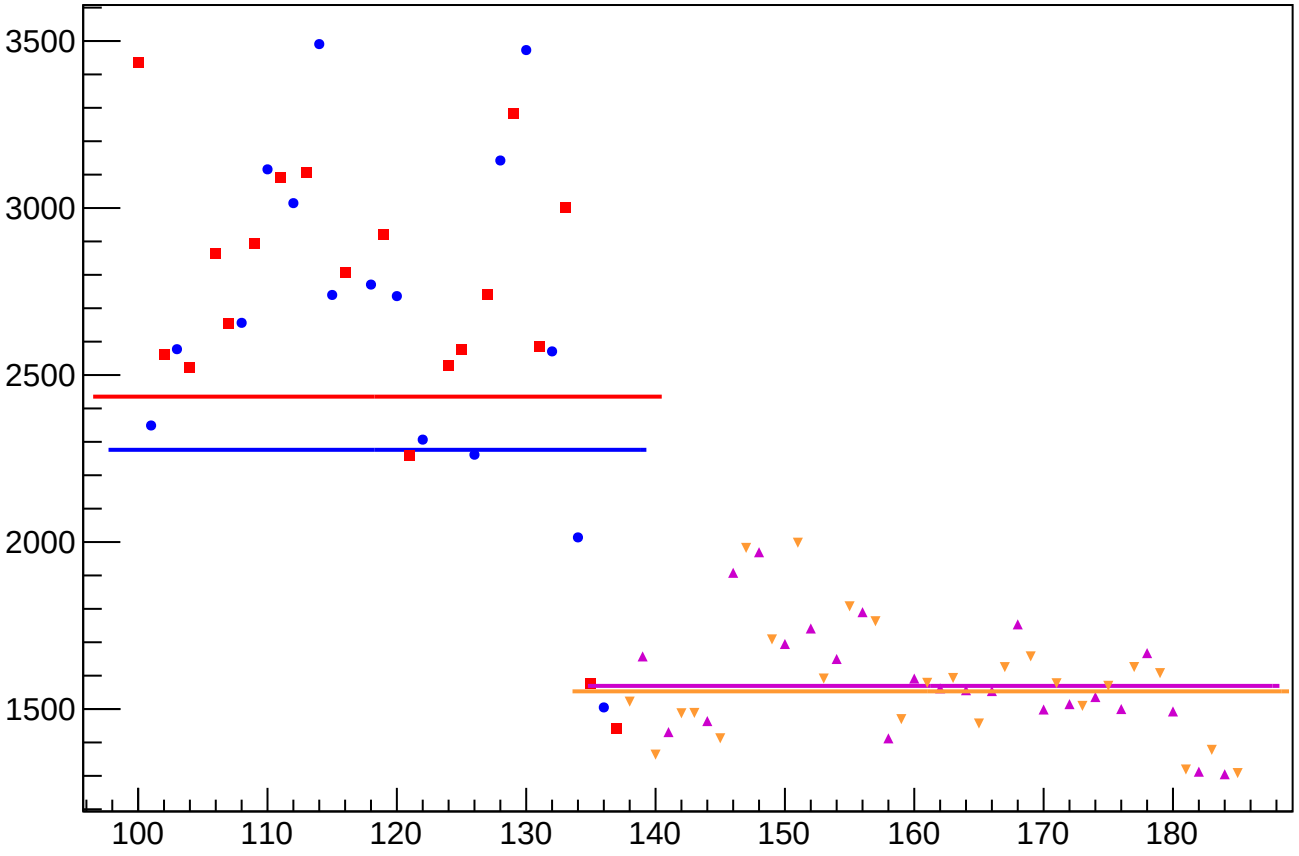
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -882.415+/-329.410 χ^2/NDF: 55.6/40

All: -474.936+/-237.290 χ^2/NDF: 108.1/82

- 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: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

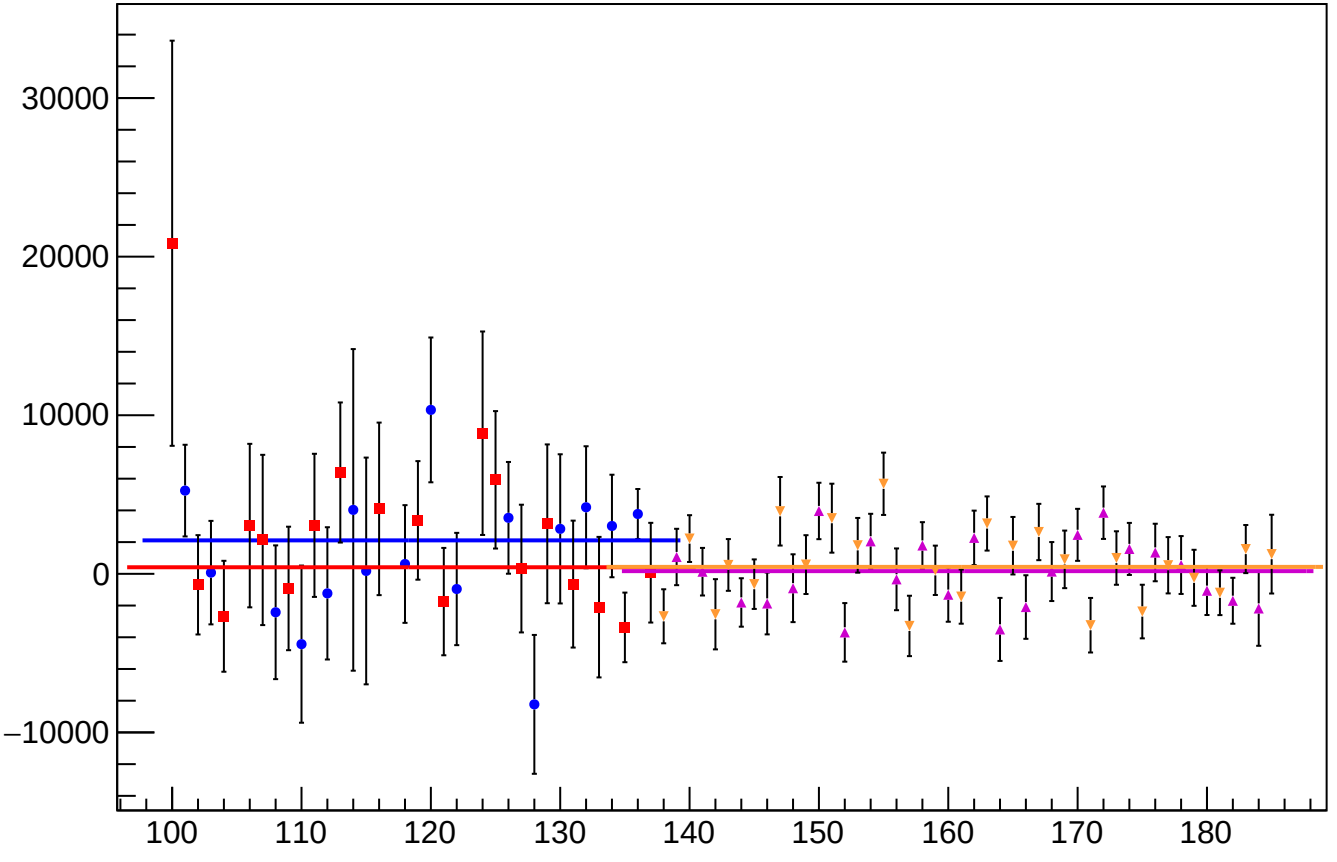
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1655.130+/-0.233 χ^2/NDF: 2505648.4/40

All: 1672.147+/-0.168 χ^2/NDF: 5207395.1/82

- 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: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

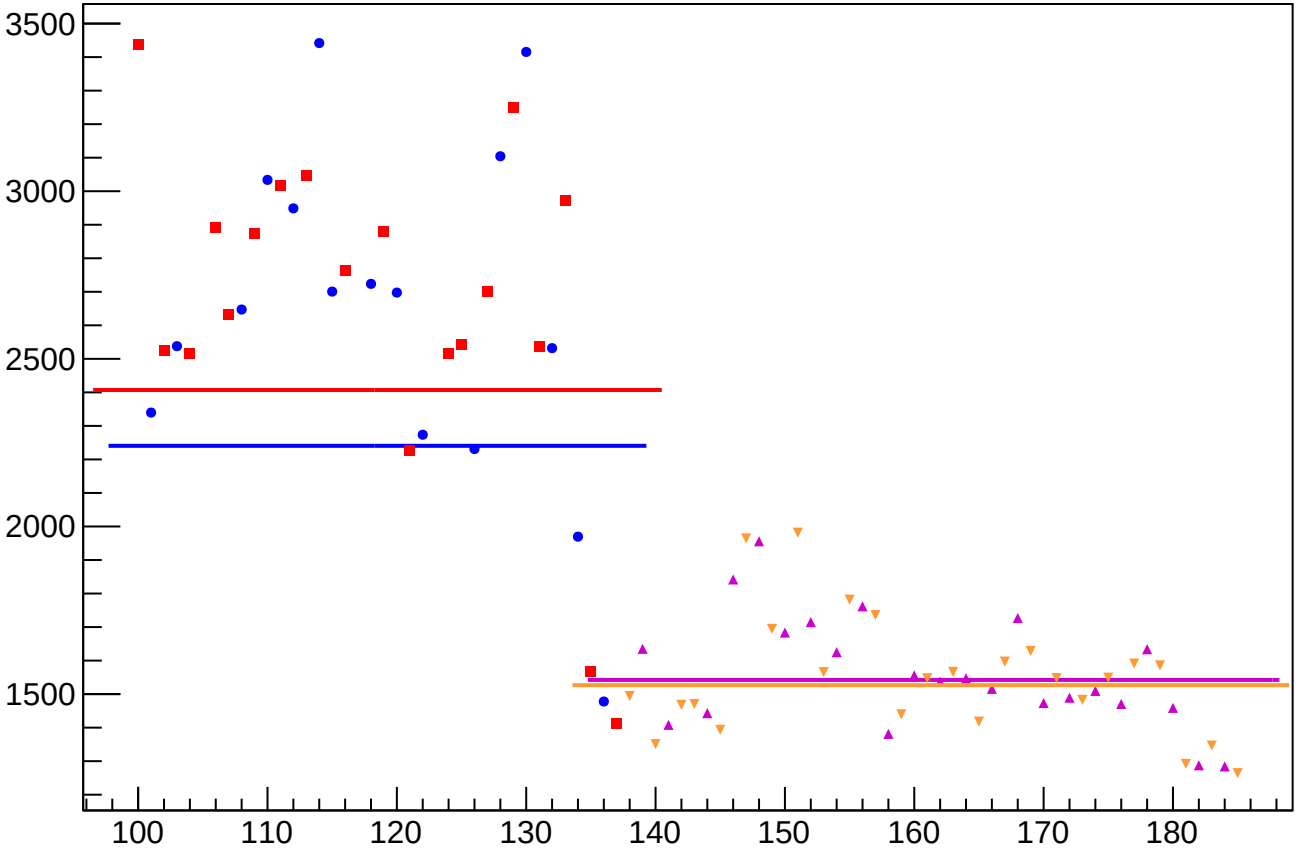
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 673.069+/-324.023 χ^2/NDF: 58.7/40

All: 447.234+/-233.411 χ^2/NDF: 107.4/82

- 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: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

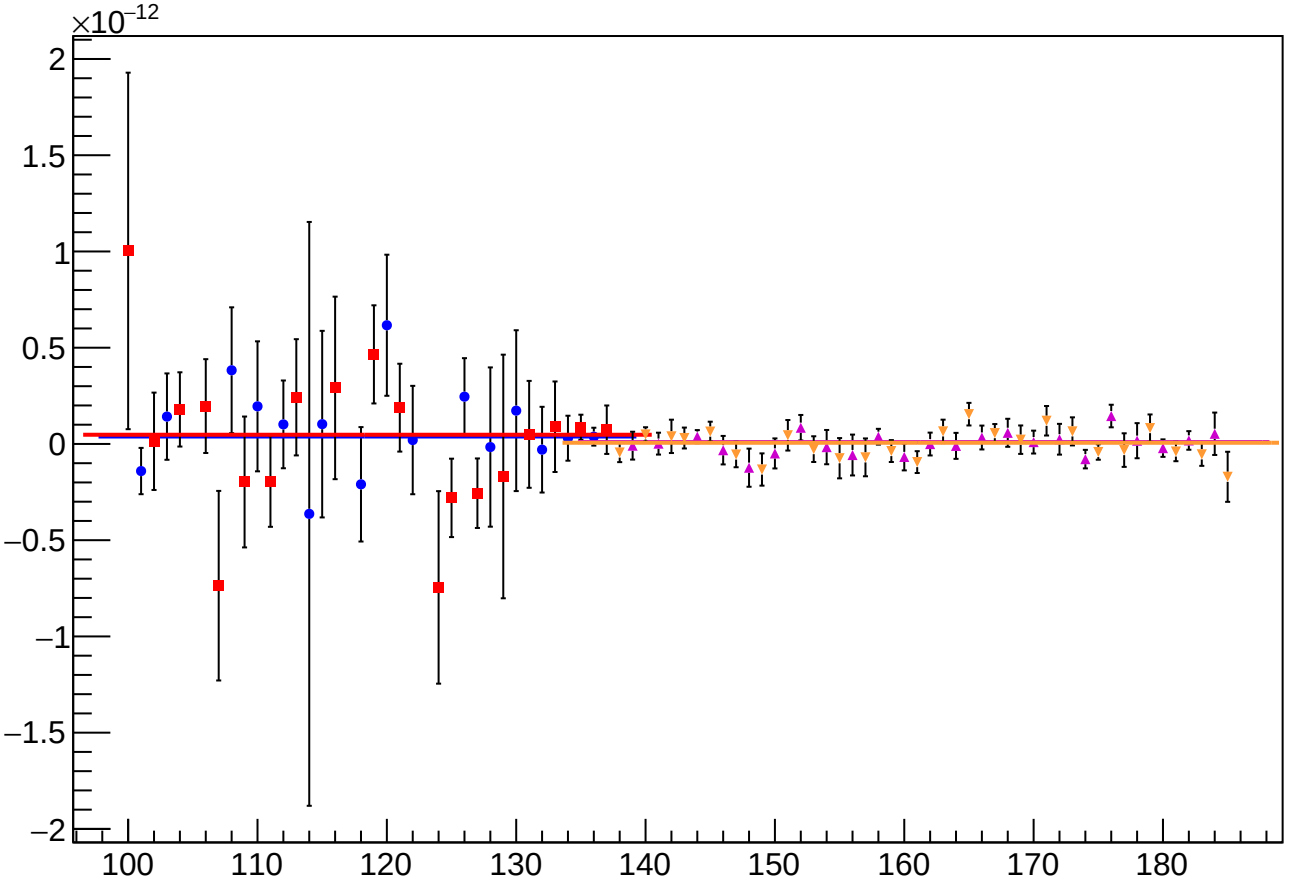
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1627.297+/-0.229 χ^2/NDF: 2538080.7/40

All: 1643.992+/-0.165 χ^2/NDF: 5276074.8/82

- 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:30.8/24

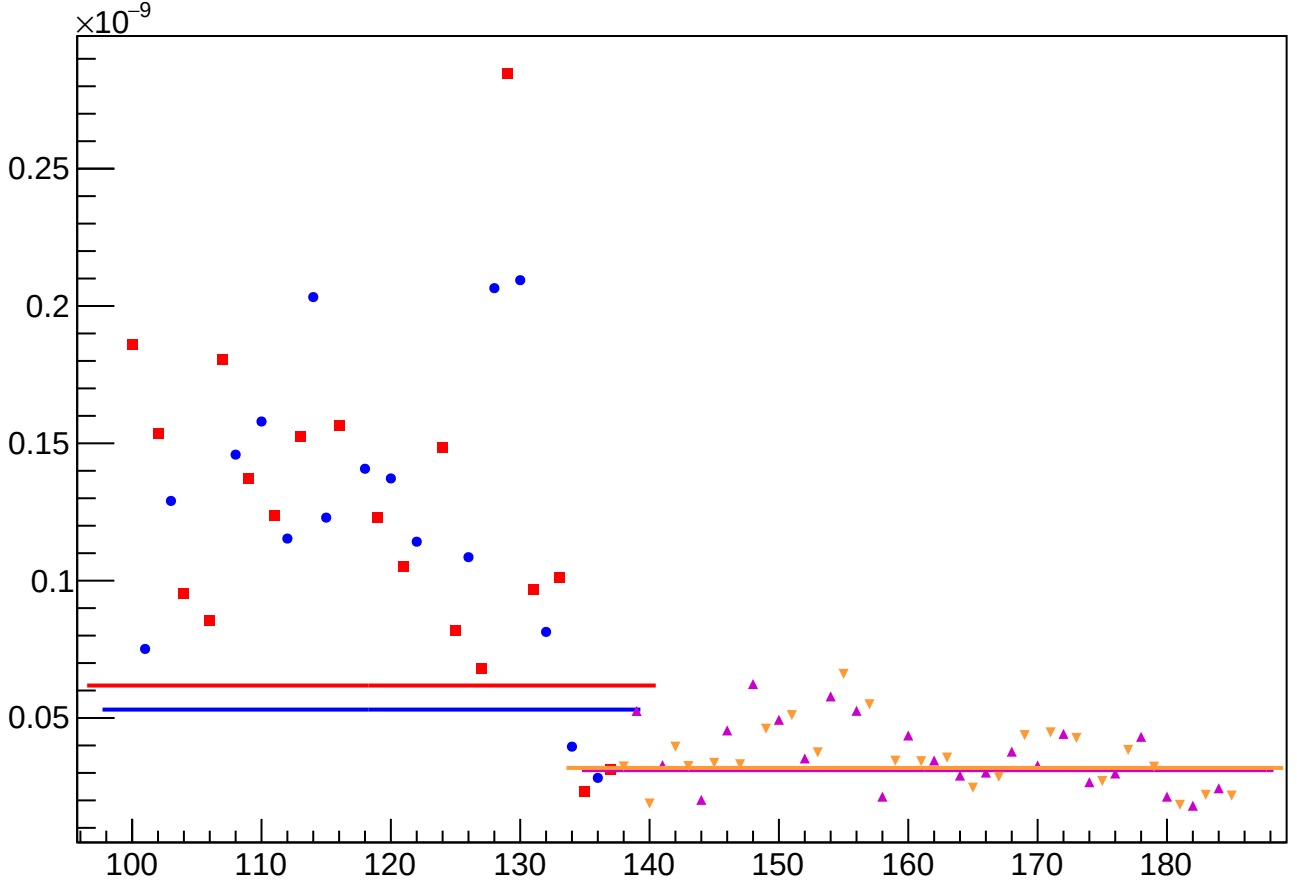
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/40

All: 0.000+/-0.000 χ^2/NDF: 75.9/82

- 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:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

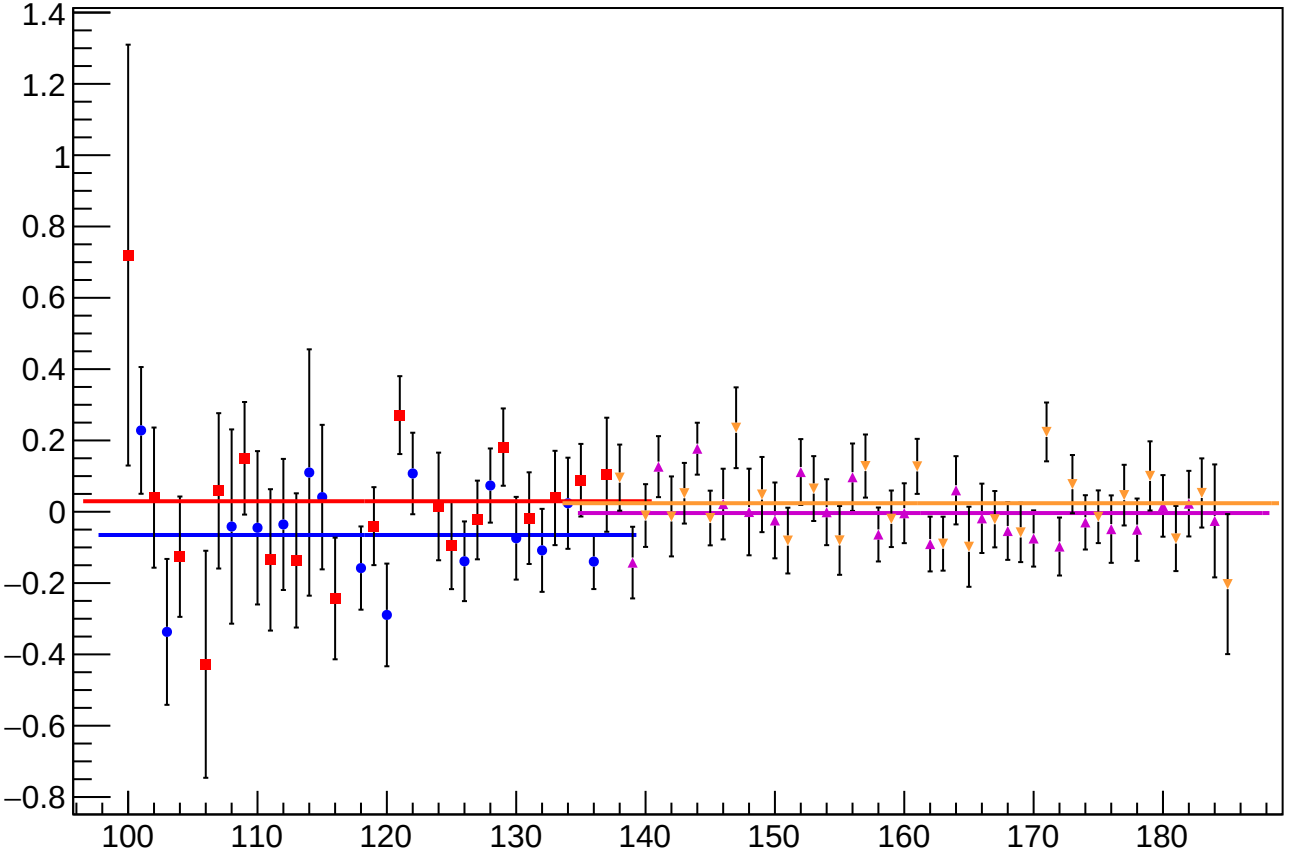
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4421439.6/40

All: 0.000+/-0.000 χ^2/NDF: 9365576.7/82

- 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: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

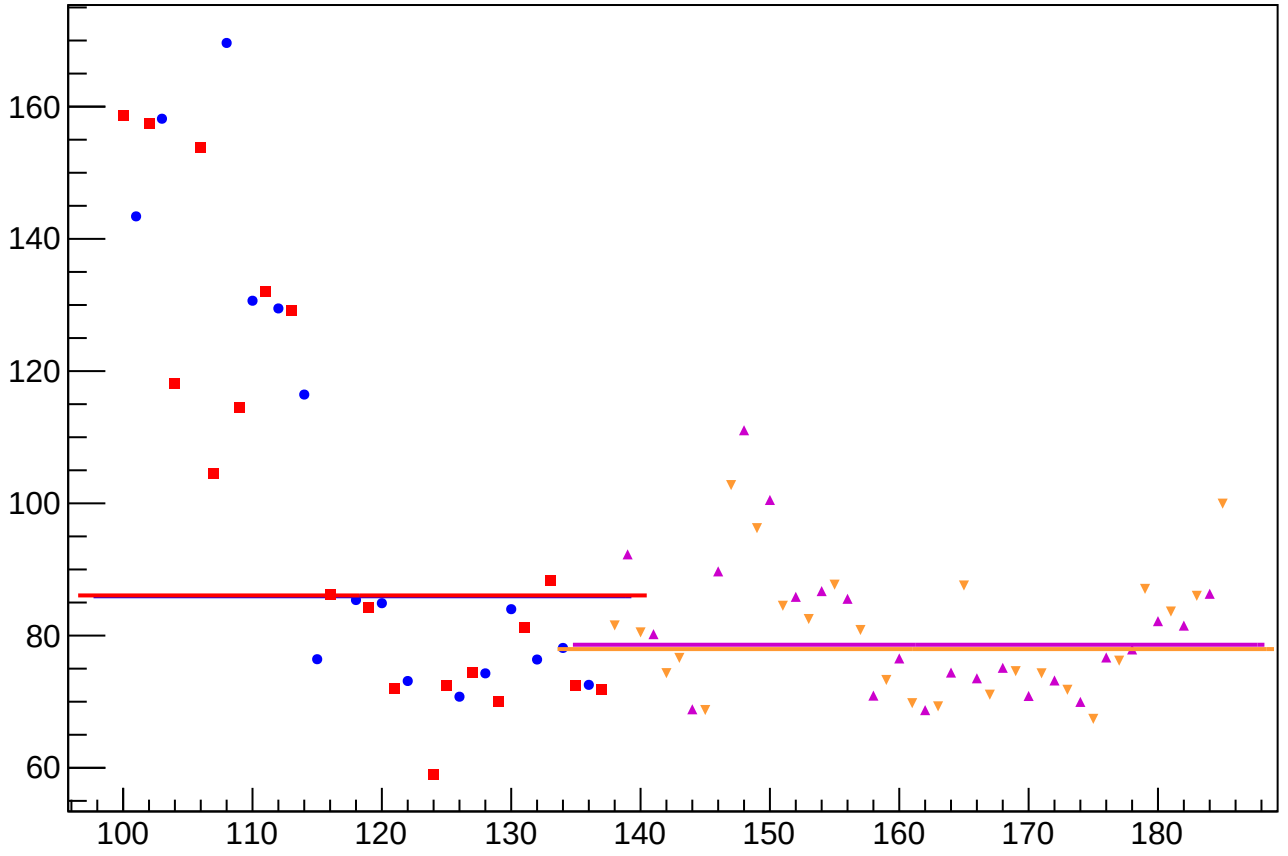
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.004+/-0.016 χ^2/NDF: 45.3/40

All: 0.004+/-0.011 χ^2/NDF: 83.0/82

- 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: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

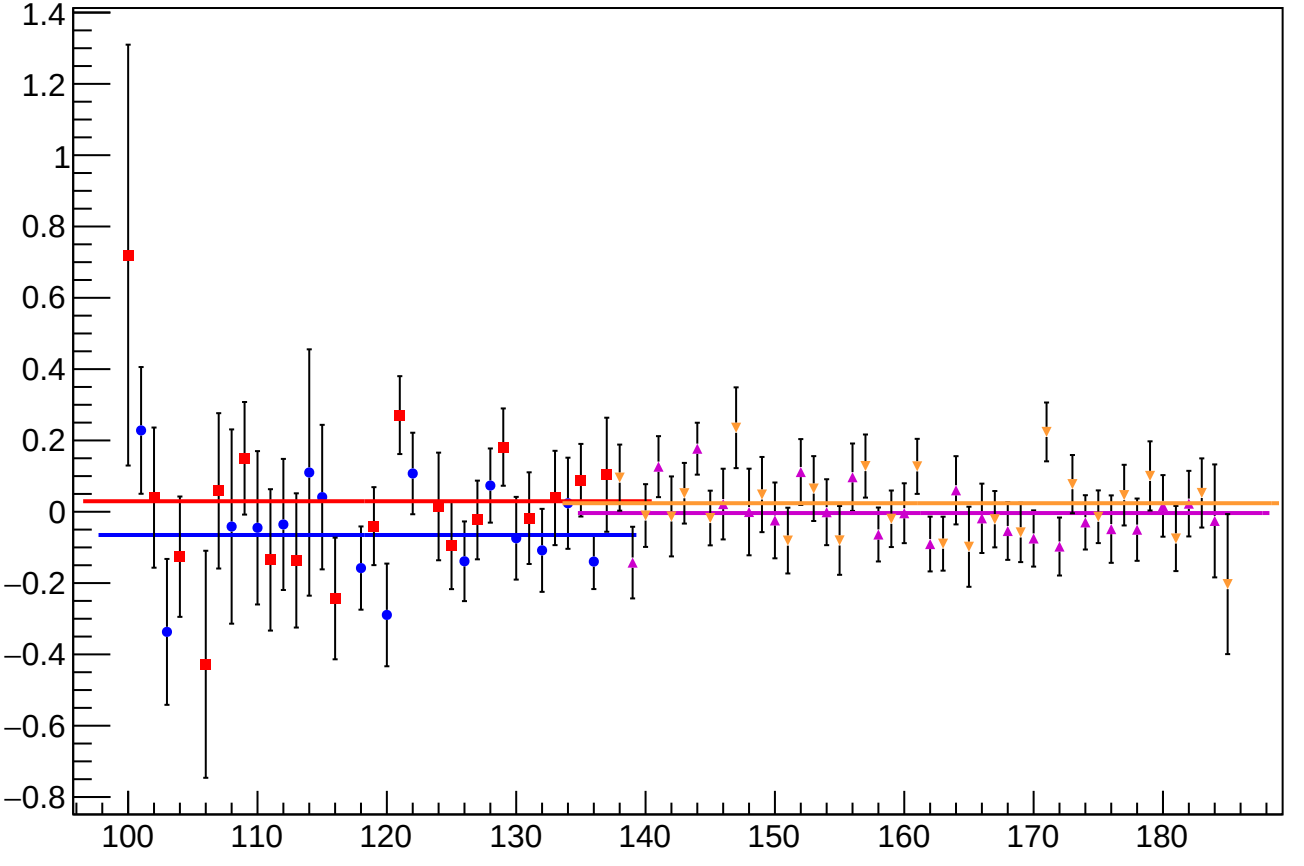
Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 79.741+/-0.011 χ^2/NDF: 1564068.5/40

All: 80.067+/-0.008 χ^2/NDF: 3132734.4/82

- sign 80.411+/-0.011 χ^2/NDF: 1566900.7/41

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

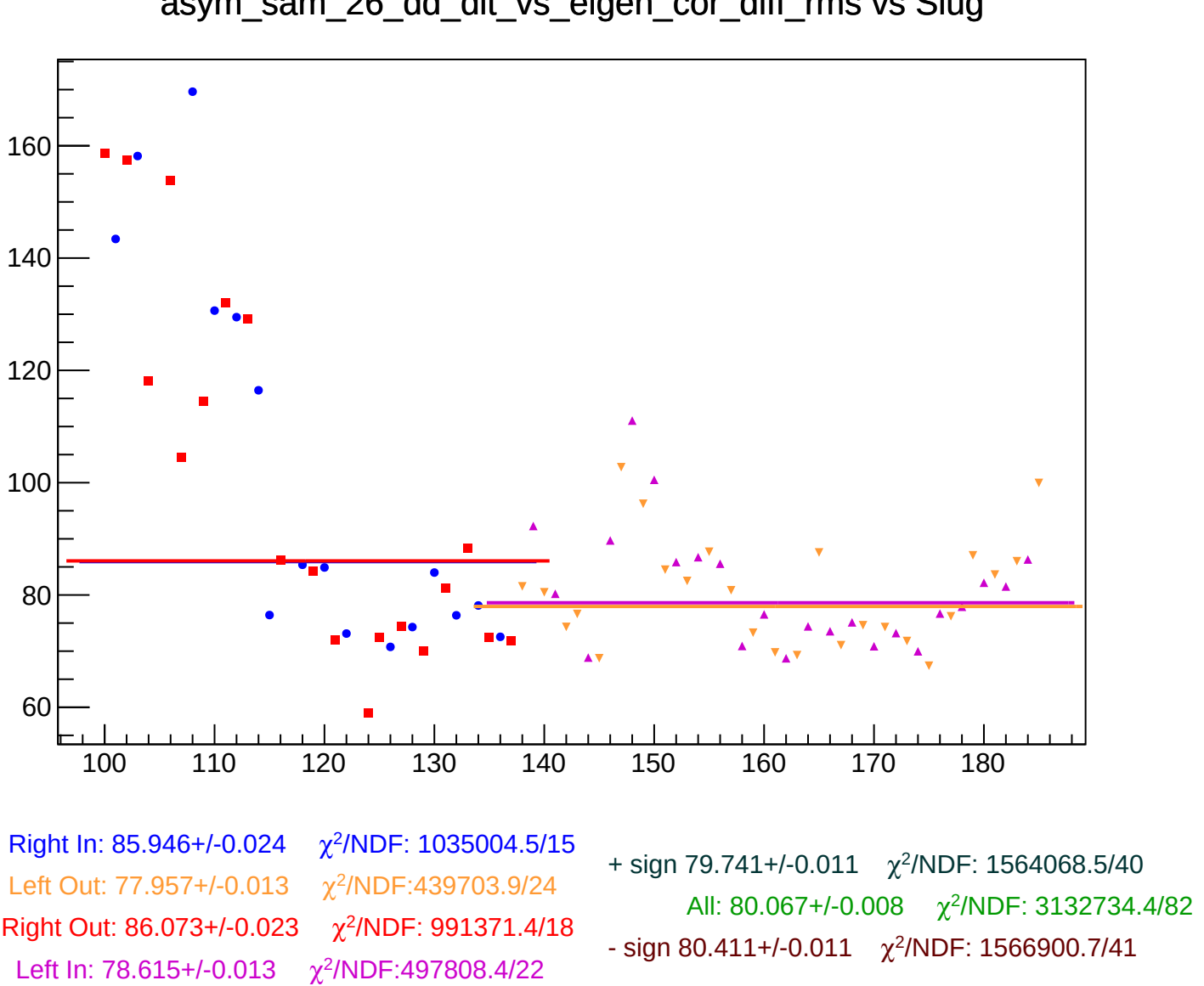
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

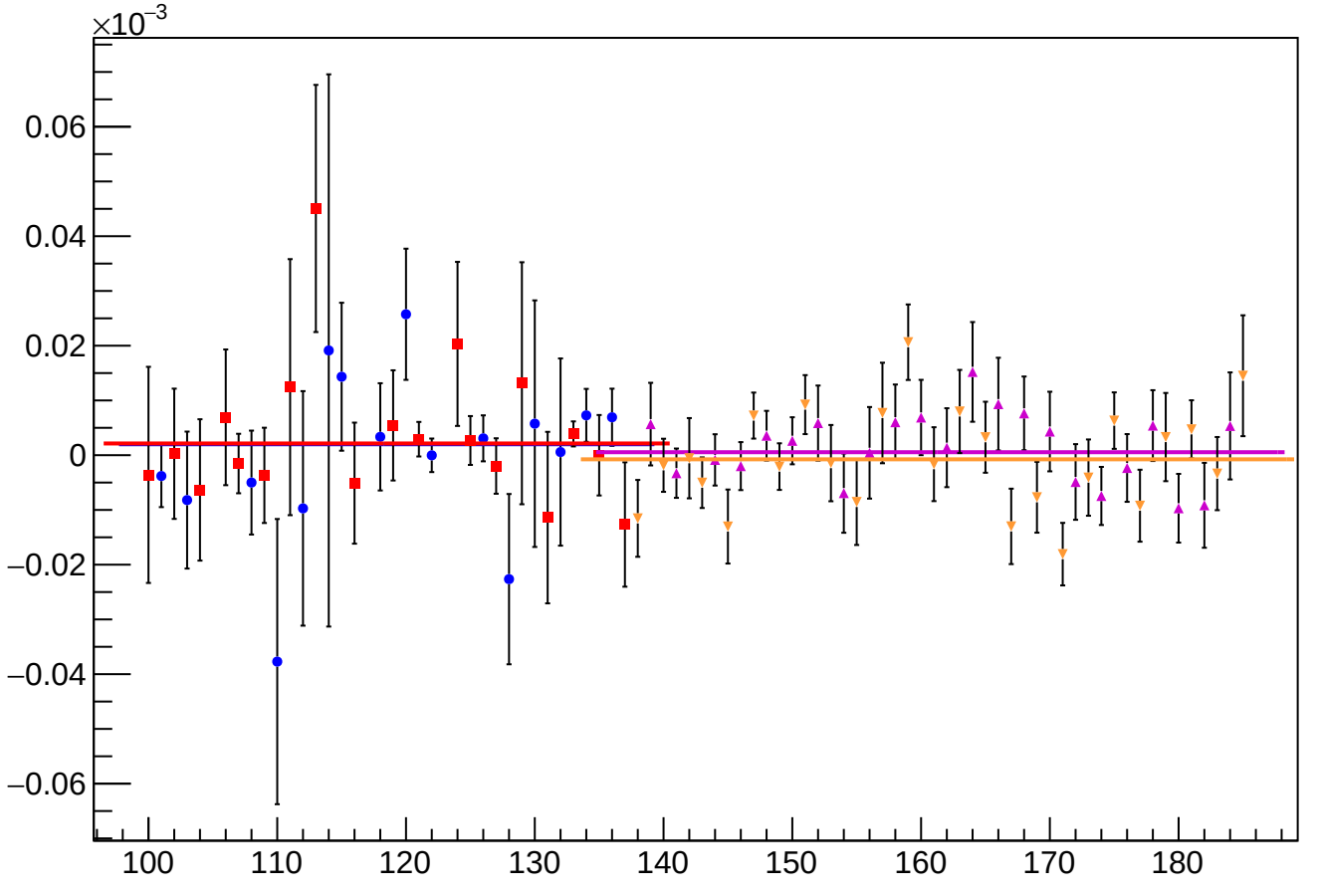
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.004+/-0.016 χ^2/NDF: 45.3/40

All: 0.004+/-0.011 χ^2/NDF: 83.0/82

- sign 0.004+/-0.016 χ^2/NDF: 37.7/41


asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug
160
140
120
100
80
60
100
110
120
130
140
150
160
170
180
Right In: 85.946+/-0.024 χ²/NDF: 1035004.5/15
Left Out: 77.957+/-0.013 χ²/NDF:439703.9/24
Right Out: 86.073+/-0.023 χ²/NDF: 991371.4/18
Left In: 78.615+/-0.013 χ²/NDF:497808.4/22
+ sign 79.741+/-0.011 χ²/NDF: 1564068.5/40
All: 80.067+/-0.008 χ²/NDF: 3132734.4/82
- sign 80.411+/-0.011 χ²/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:47.6/24

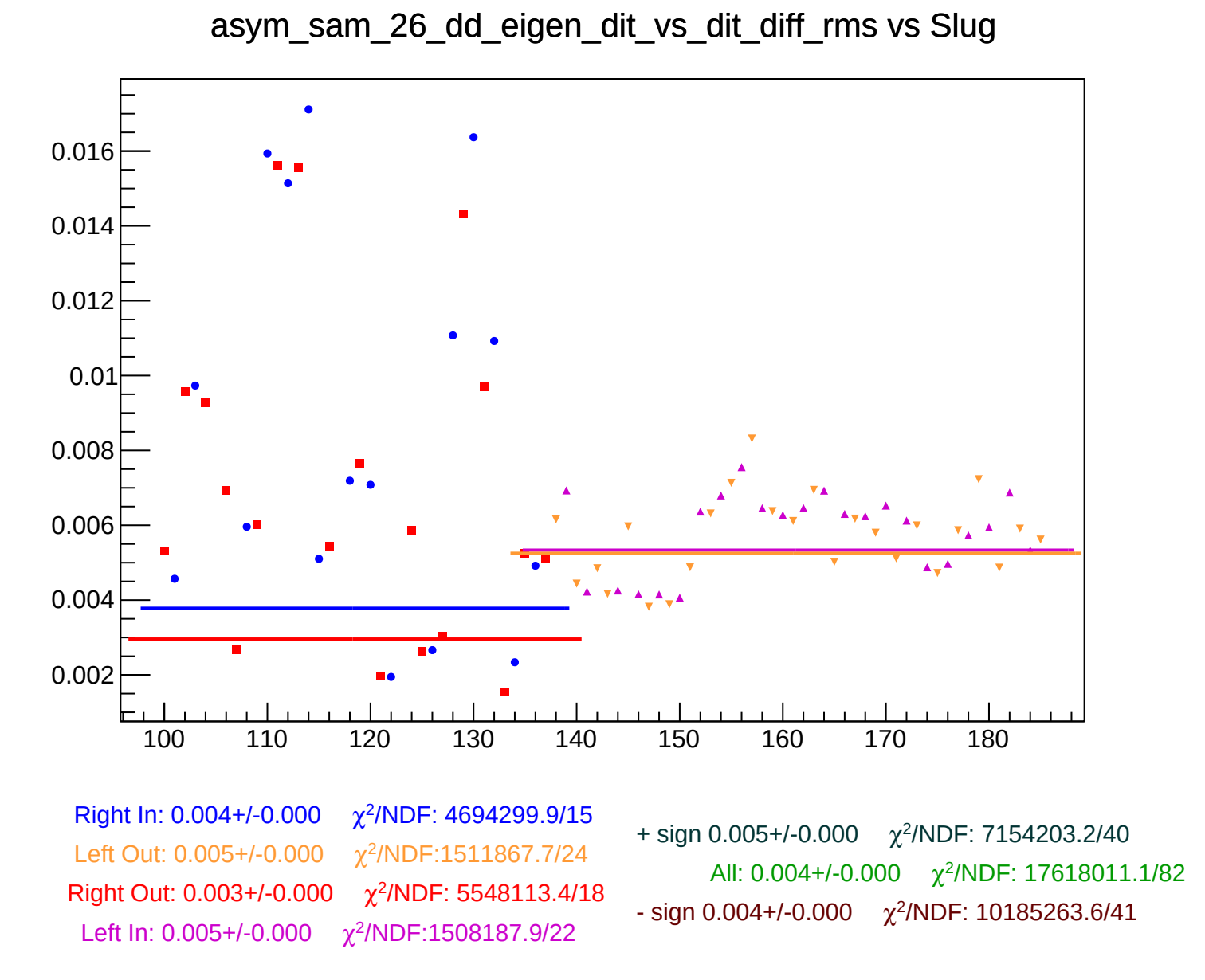
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

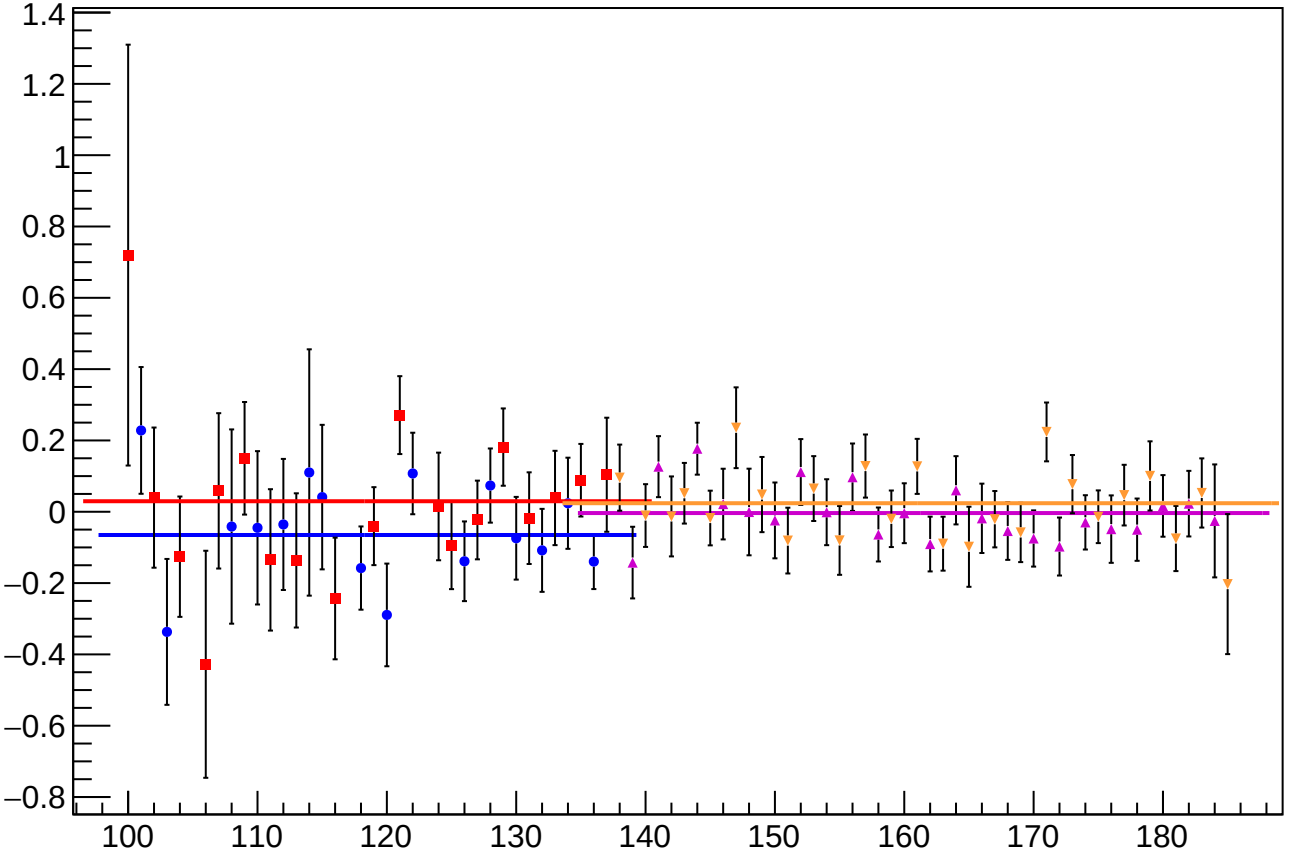
+ sign 0.000+/-0.000 χ^2/NDF: 64.1/40

All: 0.000+/-0.000 χ^2/NDF: 95.6/82

- sign 0.000+/-0.000 χ^2/NDF: 30.9/41


asym_sam_26_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
100
110
120
130
140
150
160
170
180
Right In: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1511867.7/24
Right Out: 0.003+/-0.000 χ²/NDF: 5548113.4/18
Left In: 0.005+/-0.000 χ²/NDF:1508187.9/22
+ sign 0.005+/-0.000 χ²/NDF: 7154203.2/40
All: 0.004+/-0.000 χ²/NDF: 17618011.1/82
- sign 0.004+/-0.000 χ²/NDF: 10185263.6/41

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

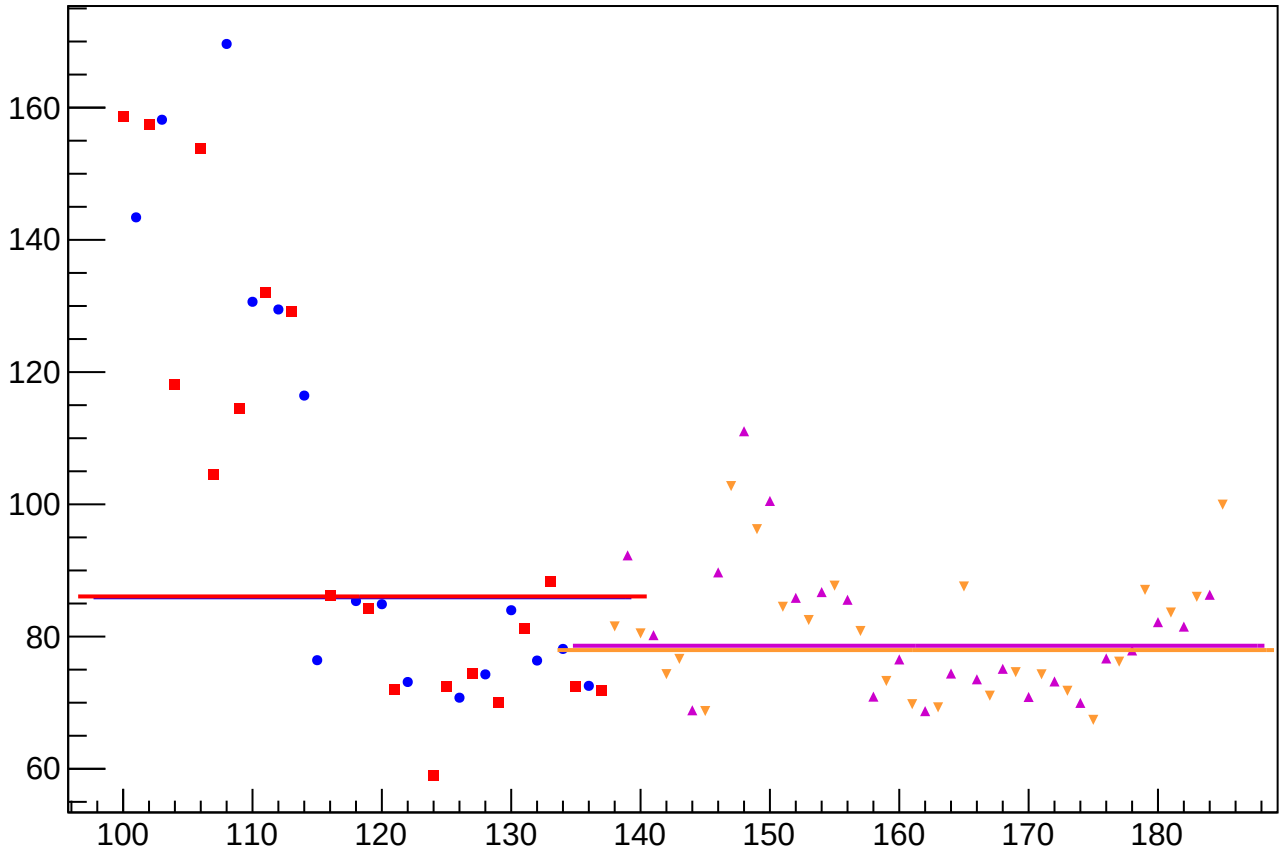
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.004+/-0.016 χ^2/NDF: 45.3/40

All: 0.004+/-0.011 χ^2/NDF: 83.0/82

- 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: 77.957+/-0.013 χ^2/NDF:439744.9/24

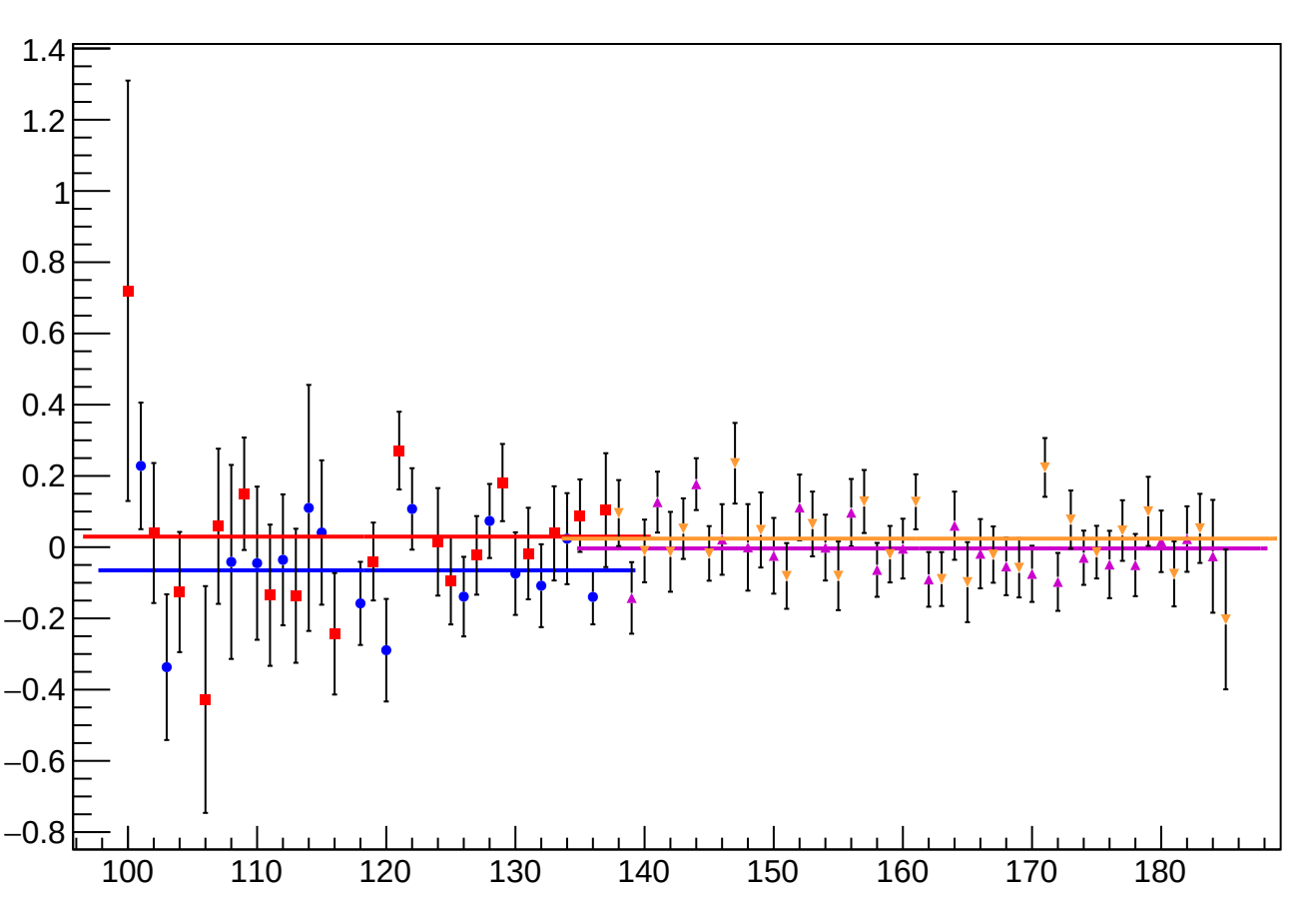
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.740+/-0.011 χ^2/NDF: 1564049.3/40

All: 80.066+/-0.008 χ^2/NDF: 3132719.1/82

- 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: 0.024+/-0.018 χ^2/NDF:25.5/24

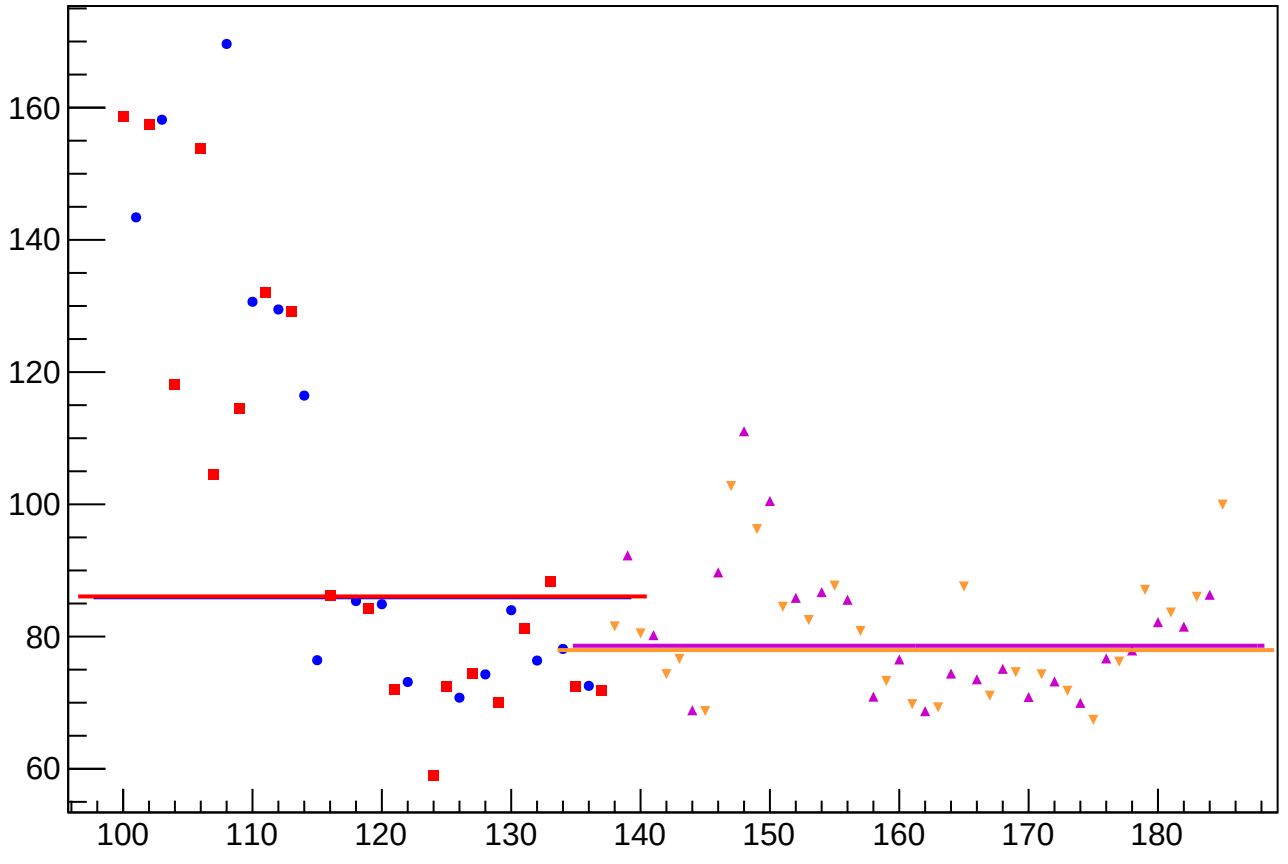
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.004+/-0.016 χ^2/NDF: 45.3/40

All: 0.004+/-0.011 χ^2/NDF: 83.0/82

- 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: 77.957+/-0.013 χ^2/NDF:439744.9/24

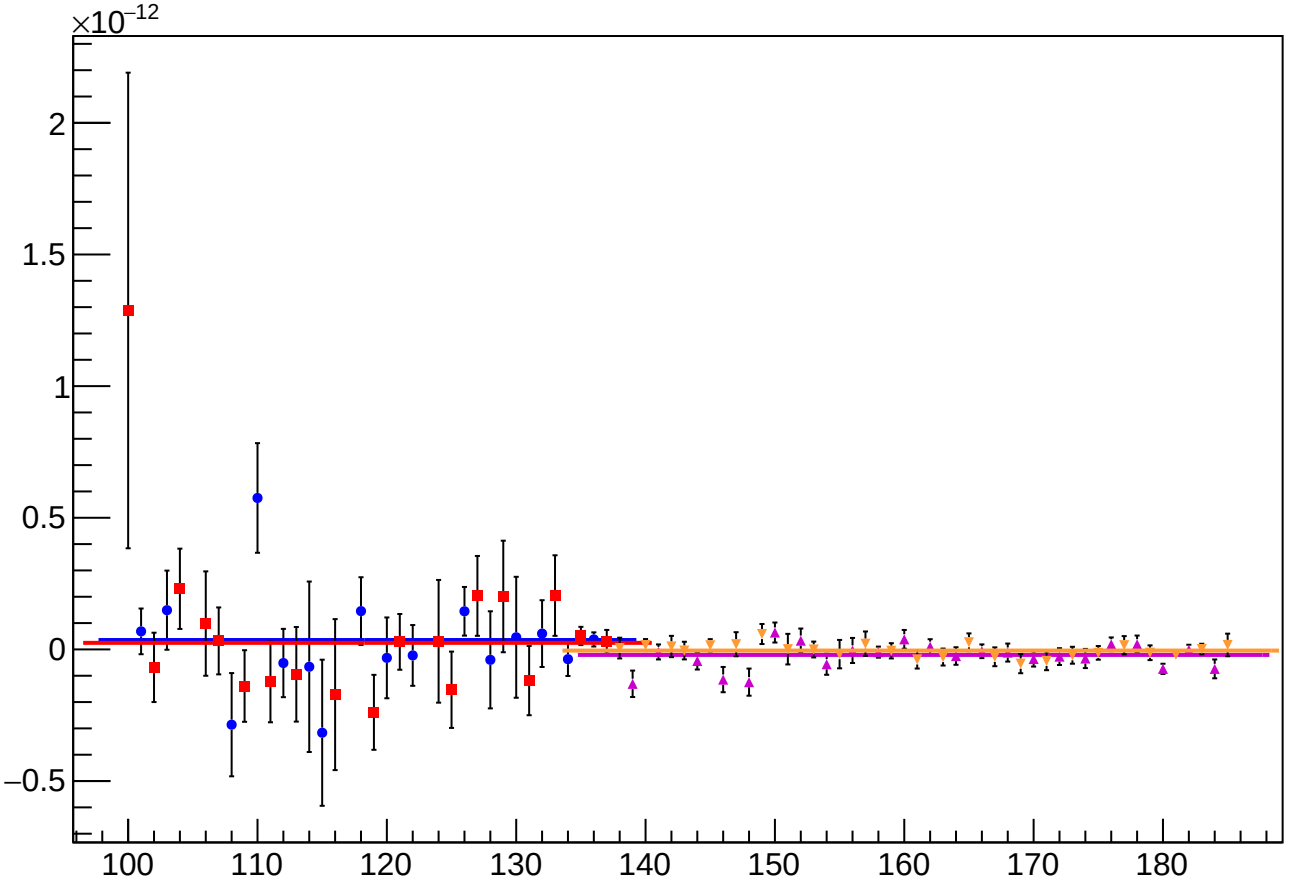
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.740+/-0.011 χ^2/NDF: 1564049.3/40

All: 80.066+/-0.008 χ^2/NDF: 3132719.1/82

- 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:13.1/24

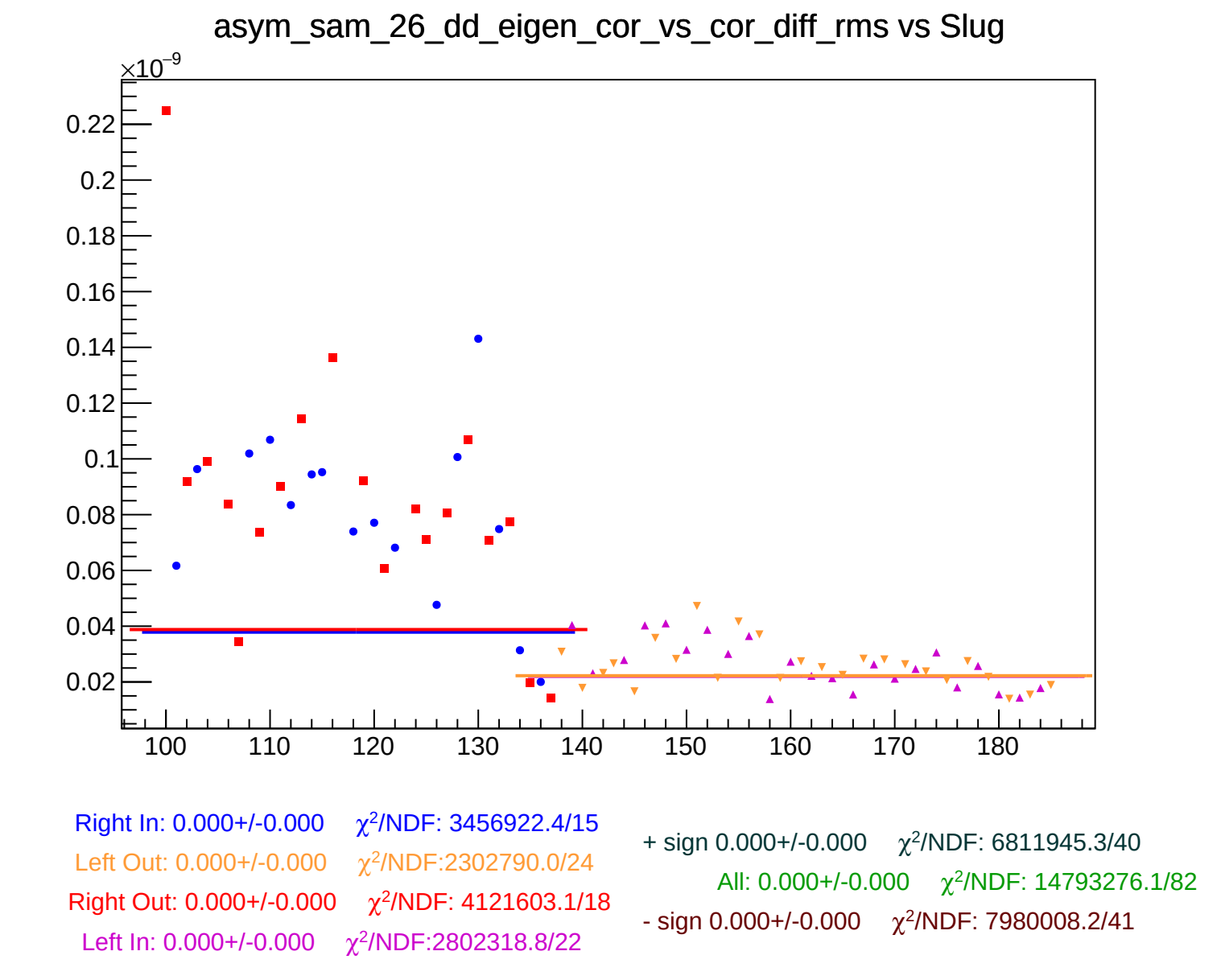
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:40.1/22

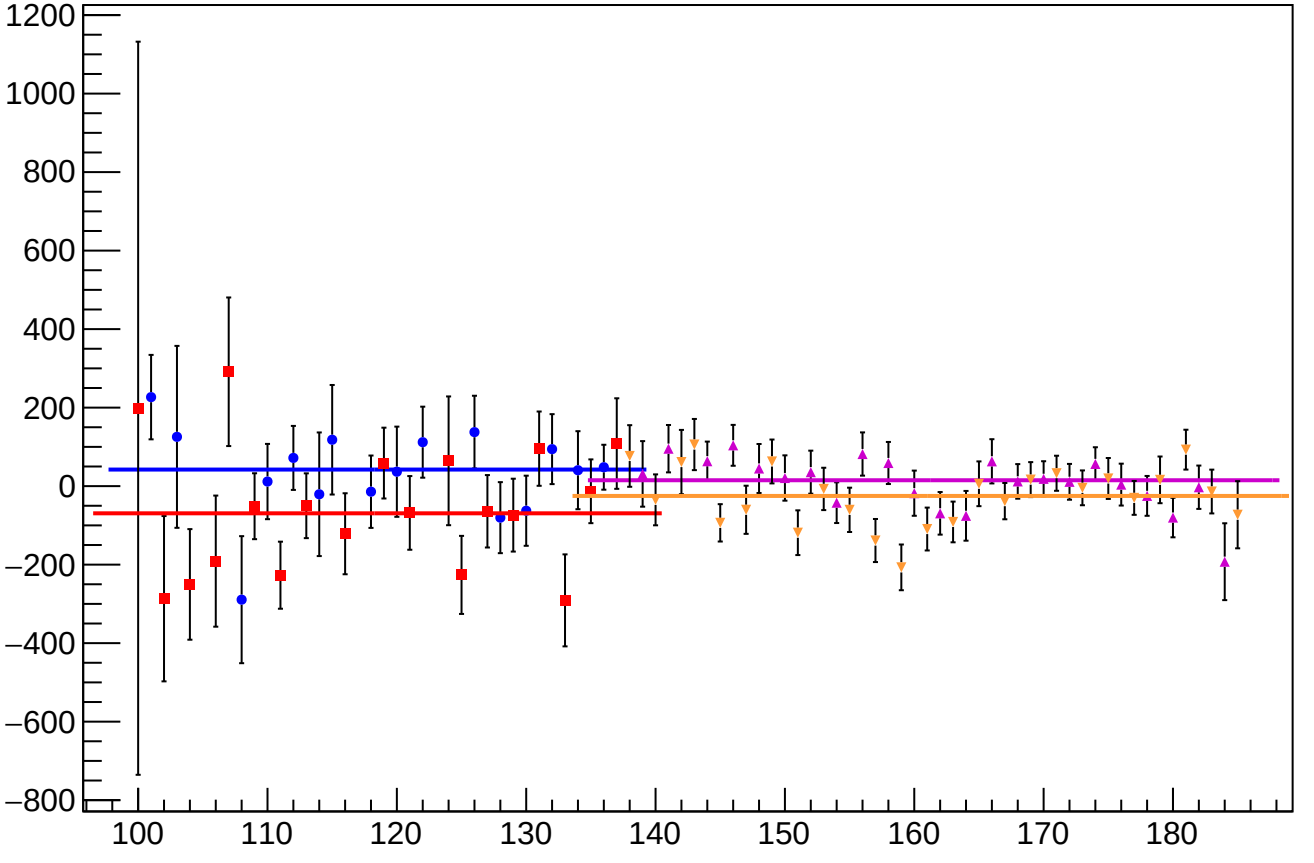
+ sign -0.000+/-0.000 χ^2/NDF: 32.9/40

All: -0.000+/-0.000 χ^2/NDF: 98.4/82

- sign -0.000+/-0.000 χ^2/NDF: 61.9/41


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2302790.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:2802318.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6811945.3/40
All: 0.000+/-0.000 χ²/NDF: 14793276.1/82
- sign 0.000+/-0.000 χ²/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: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

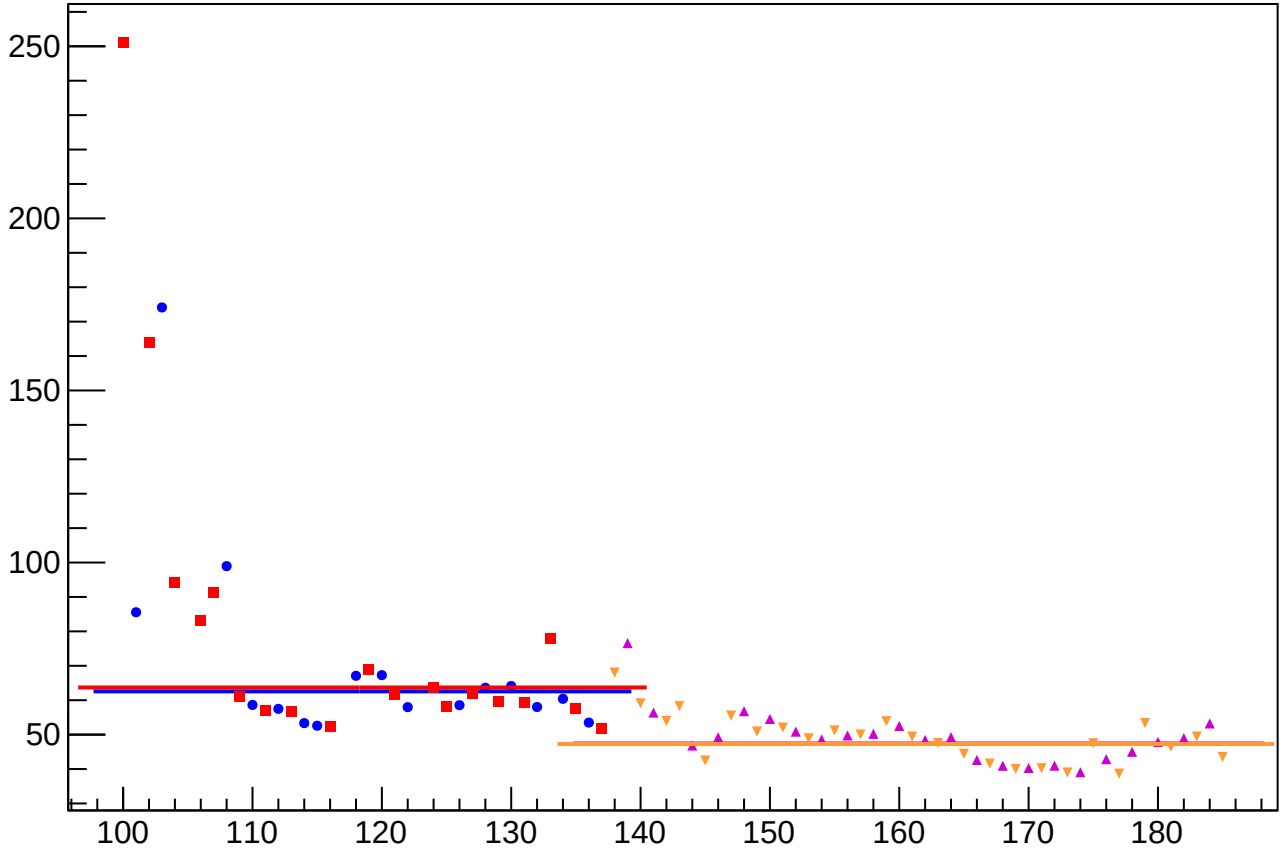
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.680+/-9.929 χ^2/NDF: 63.1/40

All: -6.867+/-7.113 χ^2/NDF: 124.0/82

- 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: 47.284+/-0.008 χ^2/NDF:717249.8/24

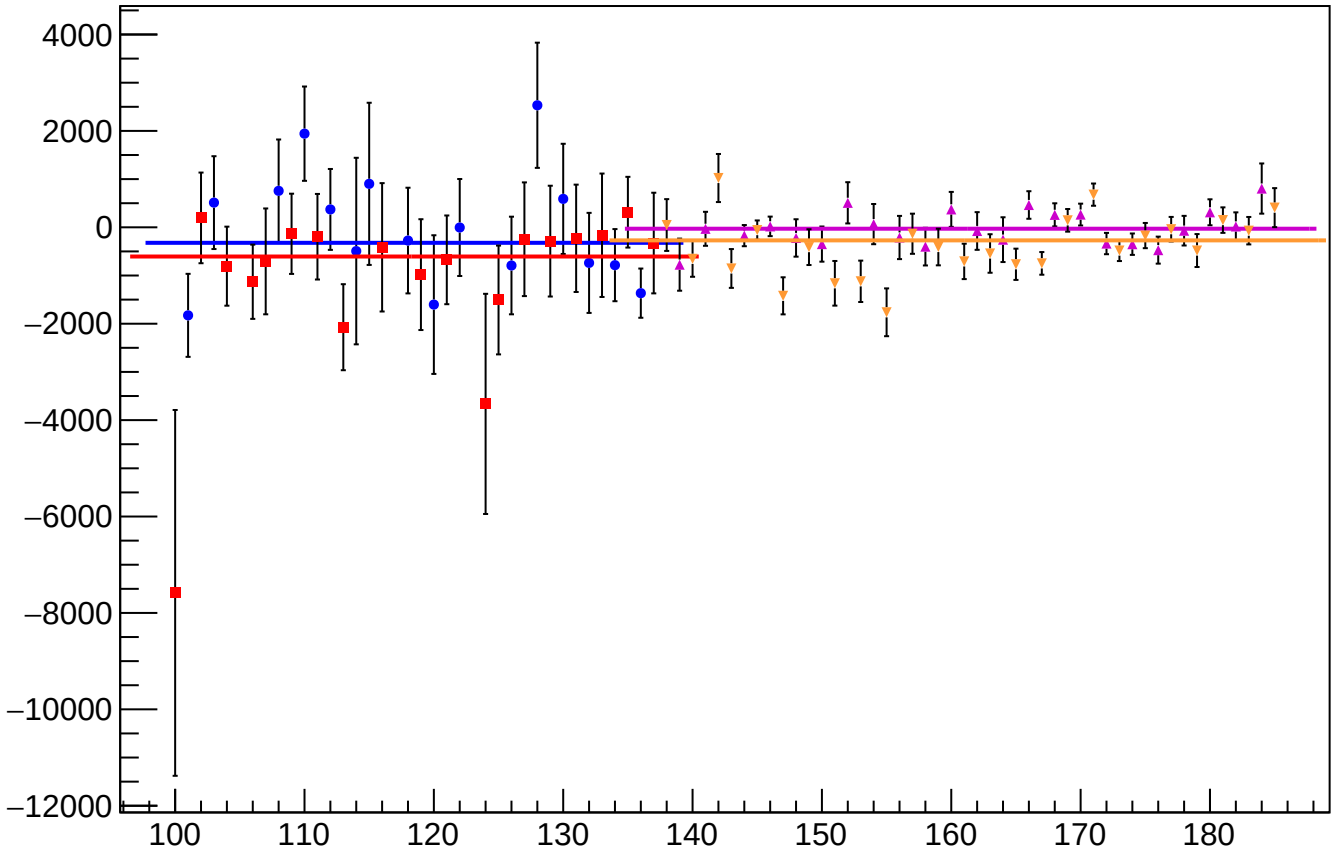
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.855+/-0.007 χ^2/NDF: 2138826.3/40

All: 50.053+/-0.005 χ^2/NDF: 4363937.1/82

- 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: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

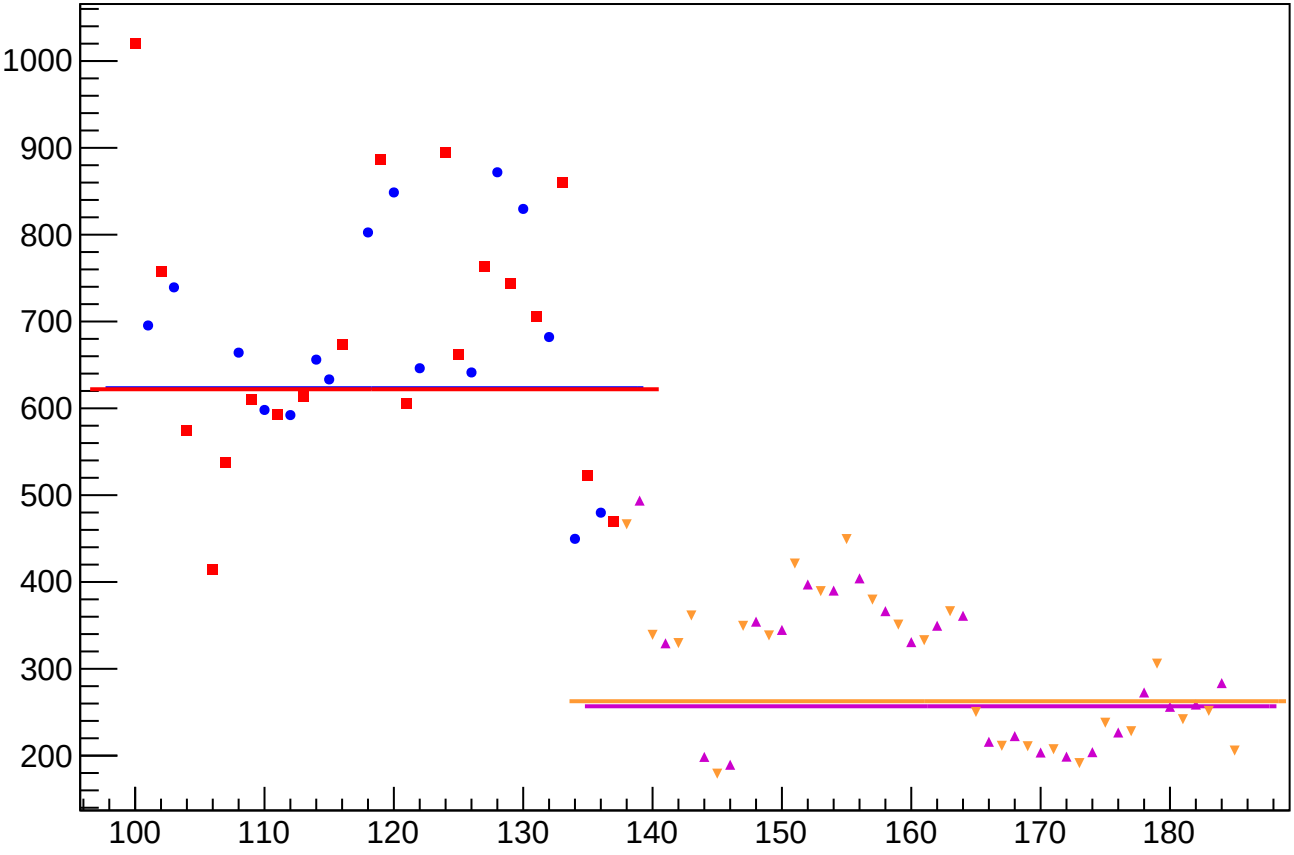
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -274.270+/-60.319 χ^2/NDF: 96.7/40

All: -171.450+/-42.727 χ^2/NDF: 145.0/82

- 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: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

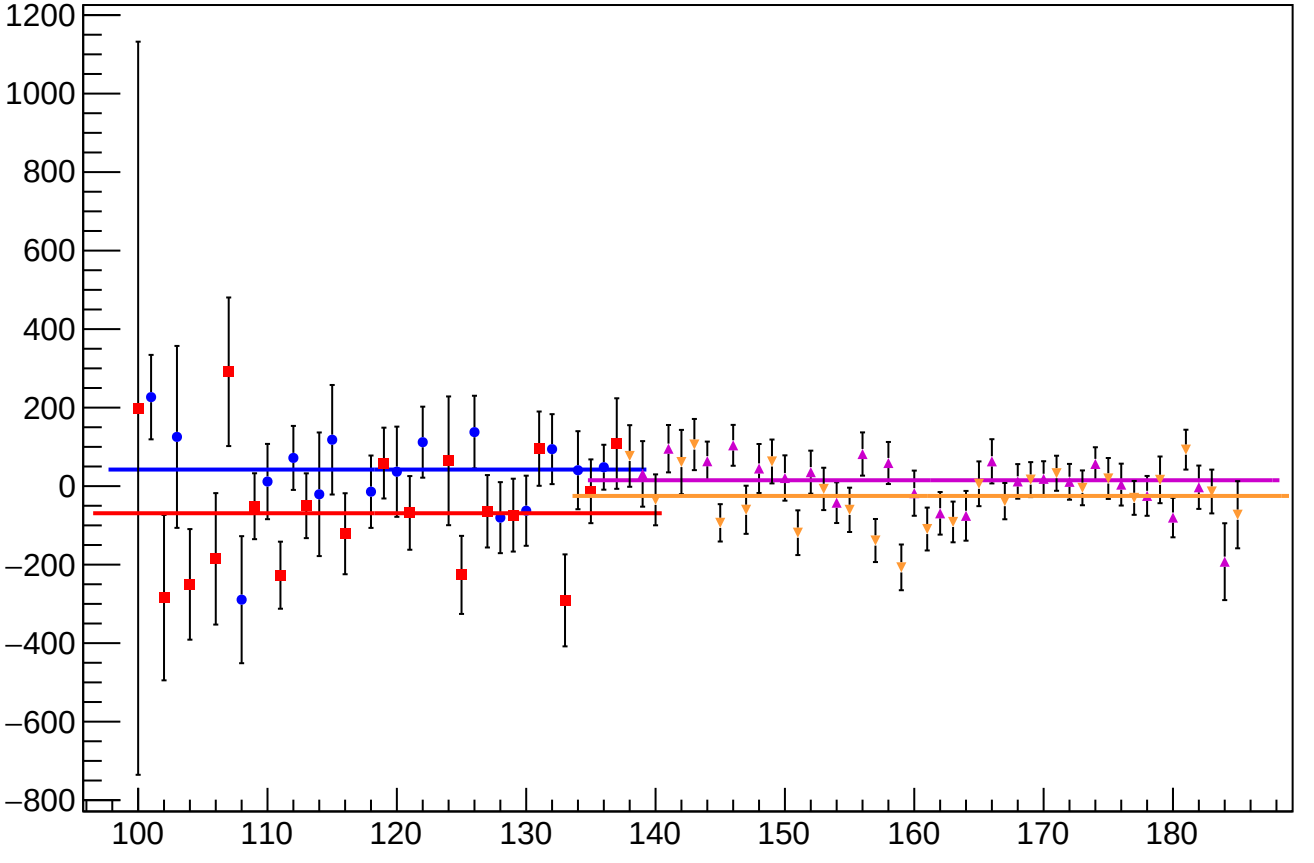
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 285.741+/-0.043 χ^2/NDF: 7736597.9/40

All: 283.553+/-0.030 χ^2/NDF: 15520380.9/82

- 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: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

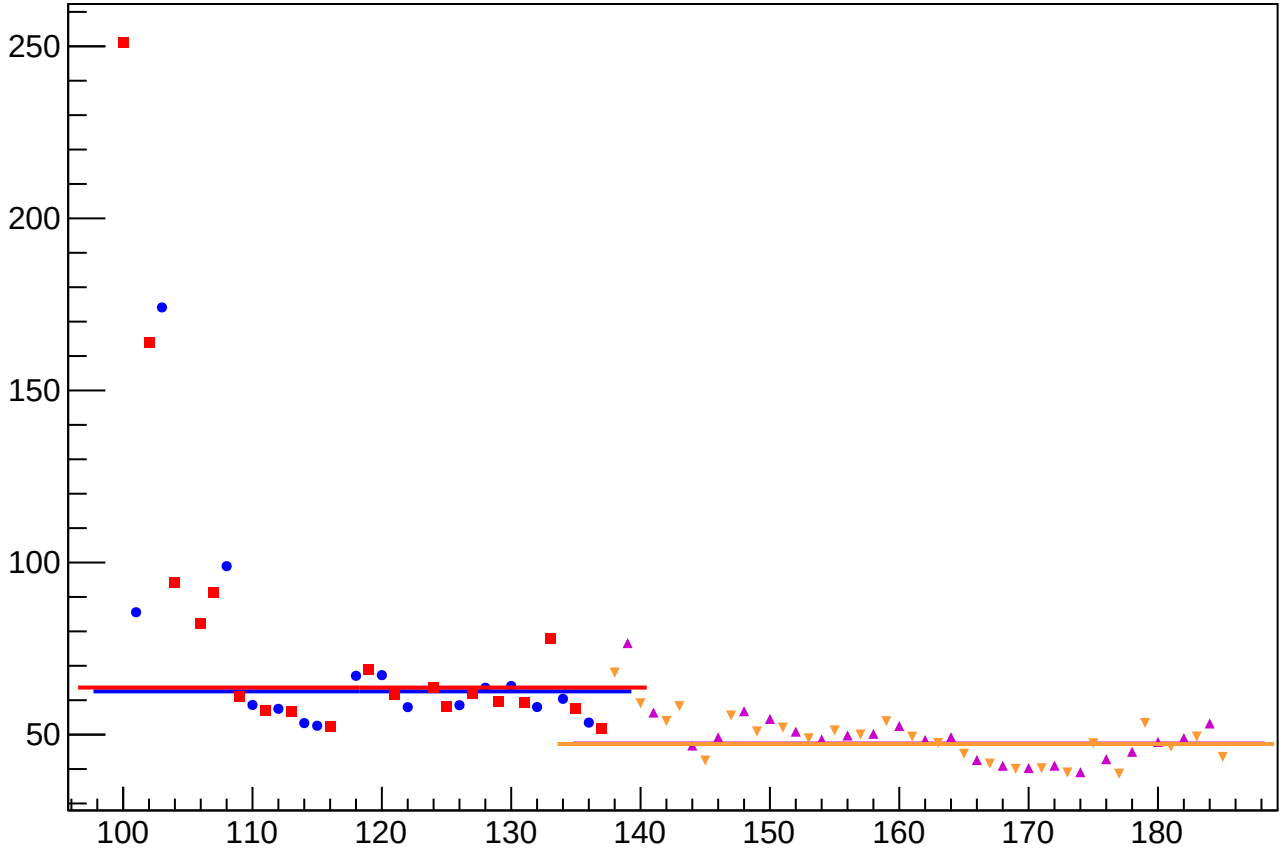
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.678+/-9.929 χ^2/NDF: 63.1/40

All: -6.851+/-7.113 χ^2/NDF: 123.8/82

- 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: 47.284+/-0.008 χ^2/NDF:717249.7/24

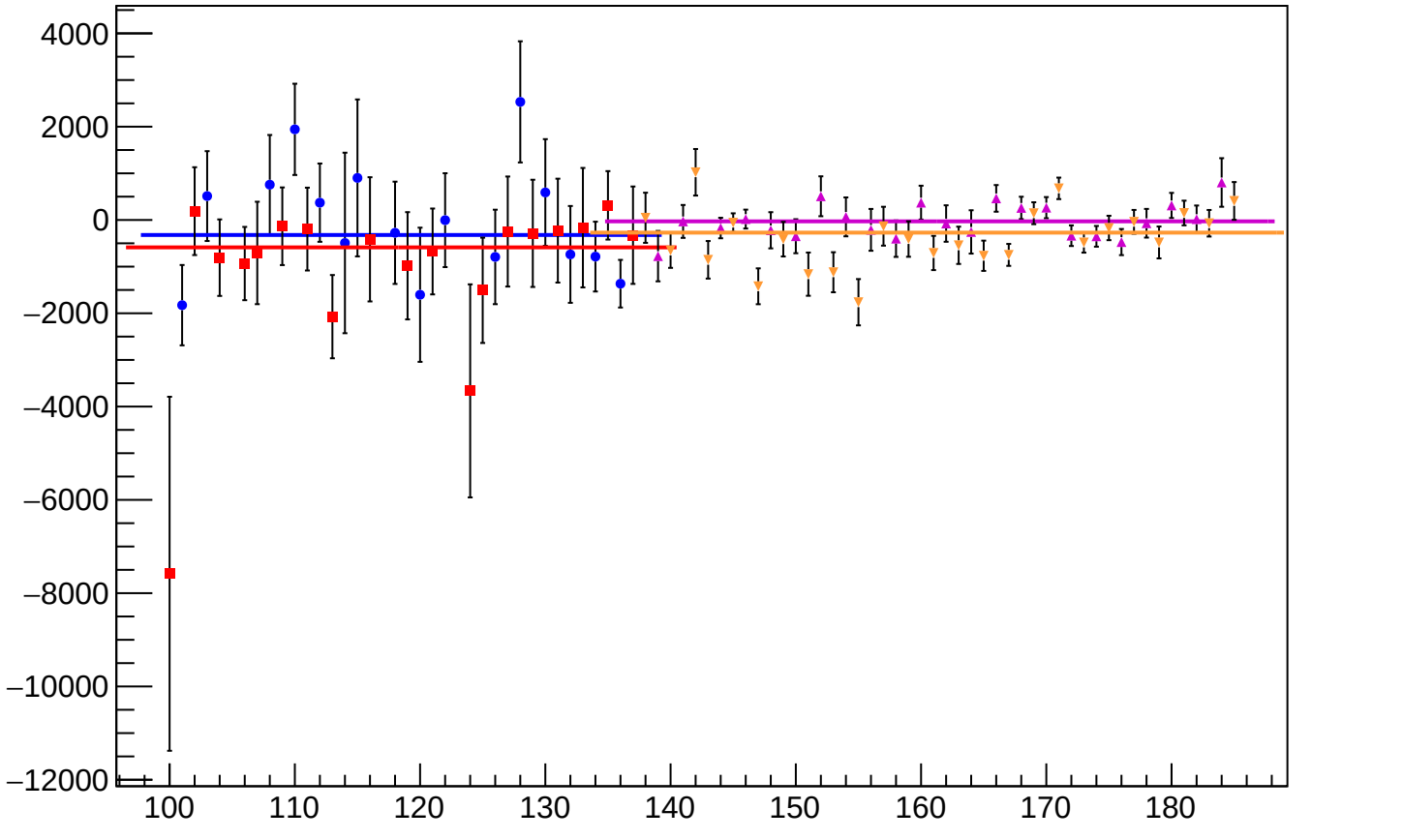
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.855+/-0.007 χ^2/NDF: 2138828.0/40

All: 50.051+/-0.005 χ^2/NDF: 4358907.3/82

- 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: -271.027+/-62.346 χ^2/NDF:73.9/24

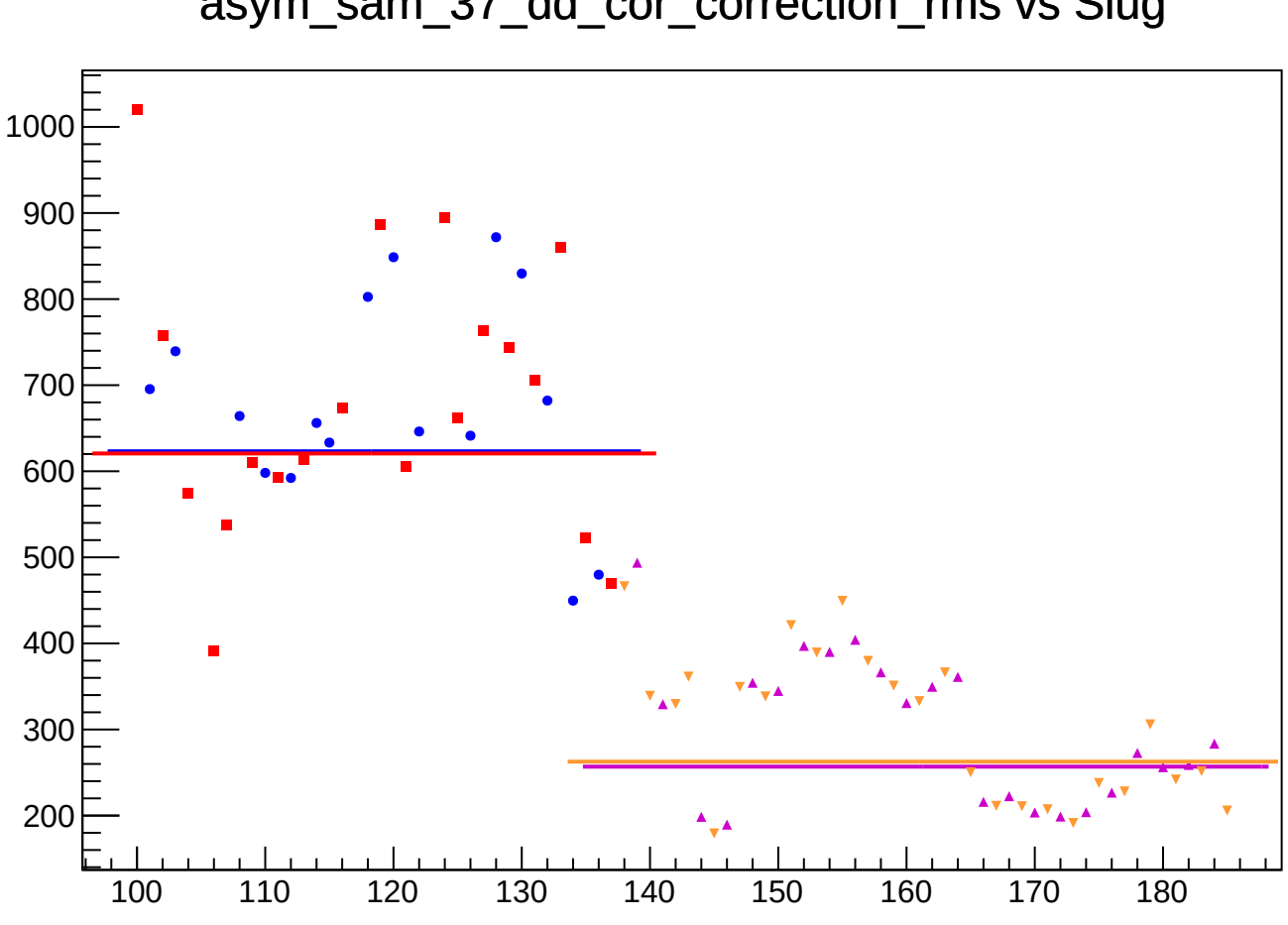
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -274.266+/-60.319 χ^2/NDF: 96.7/40

All: -170.773+/-42.729 χ^2/NDF: 144.4/82

- sign -66.526+/-60.538 χ^2/NDF: 41.9/41



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

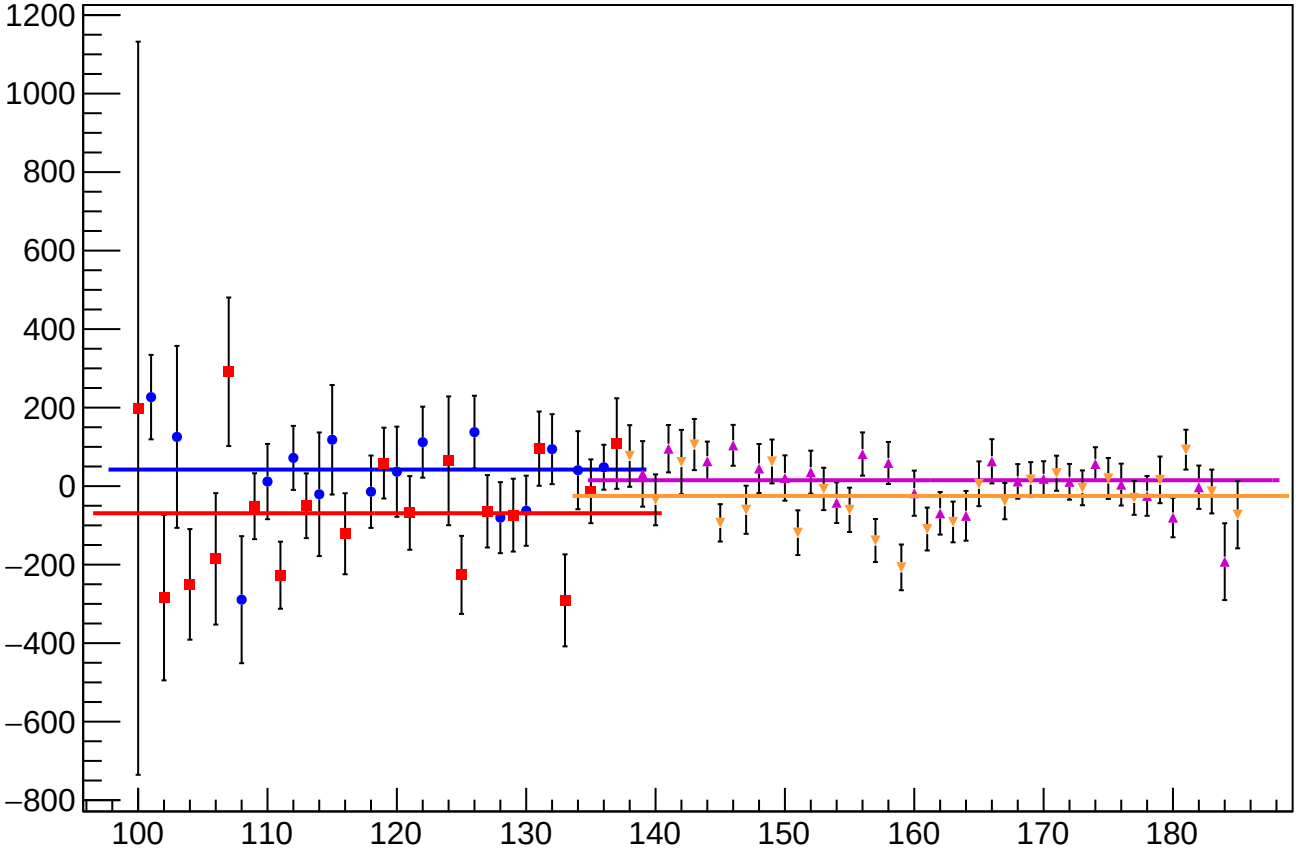
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 285.741+/-0.043 χ^2/NDF: 7736651.7/40

All: 283.467+/-0.030 χ^2/NDF: 15500605.4/82

- 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: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

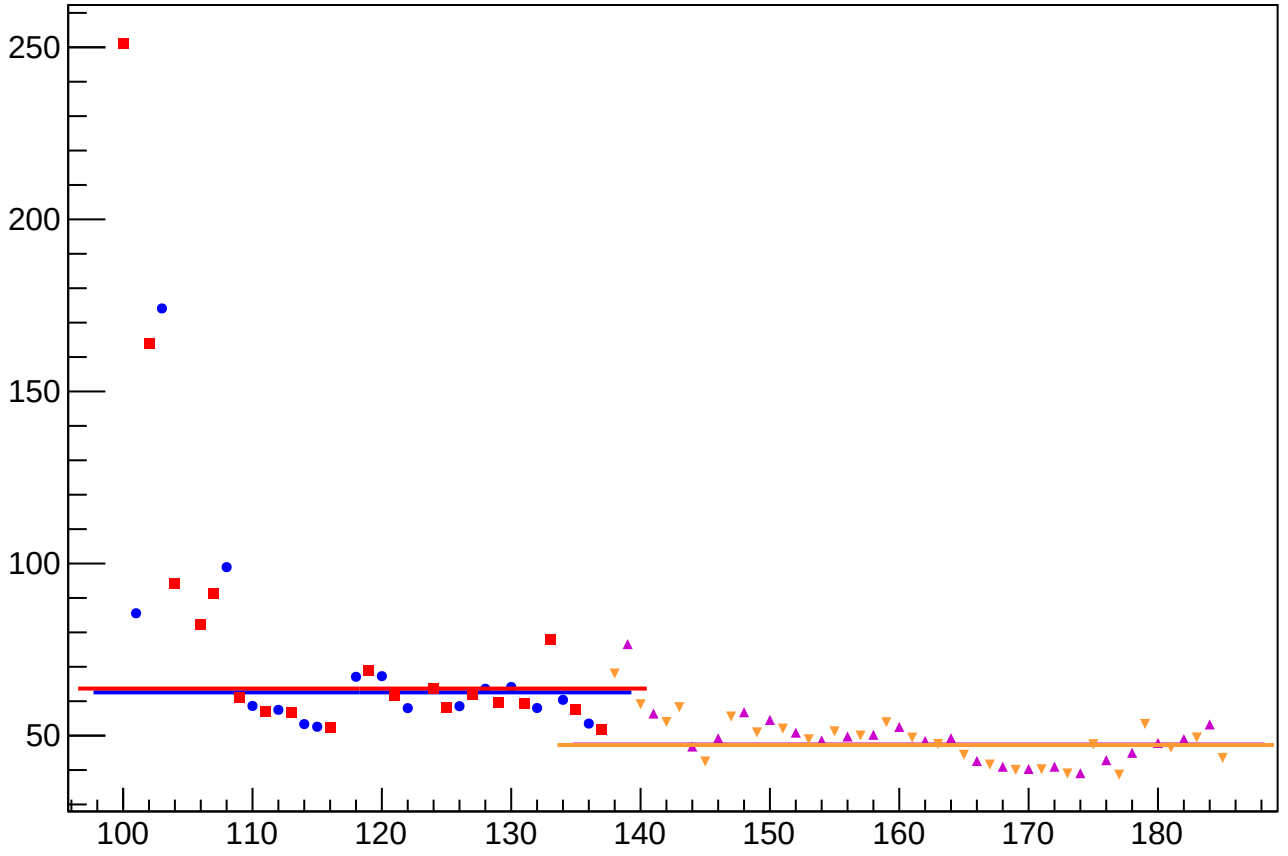
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.678+/-9.929 χ^2/NDF: 63.1/40

All: -6.851+/-7.113 χ^2/NDF: 123.8/82

- 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: 47.284+/-0.008 χ^2/NDF:717249.7/24

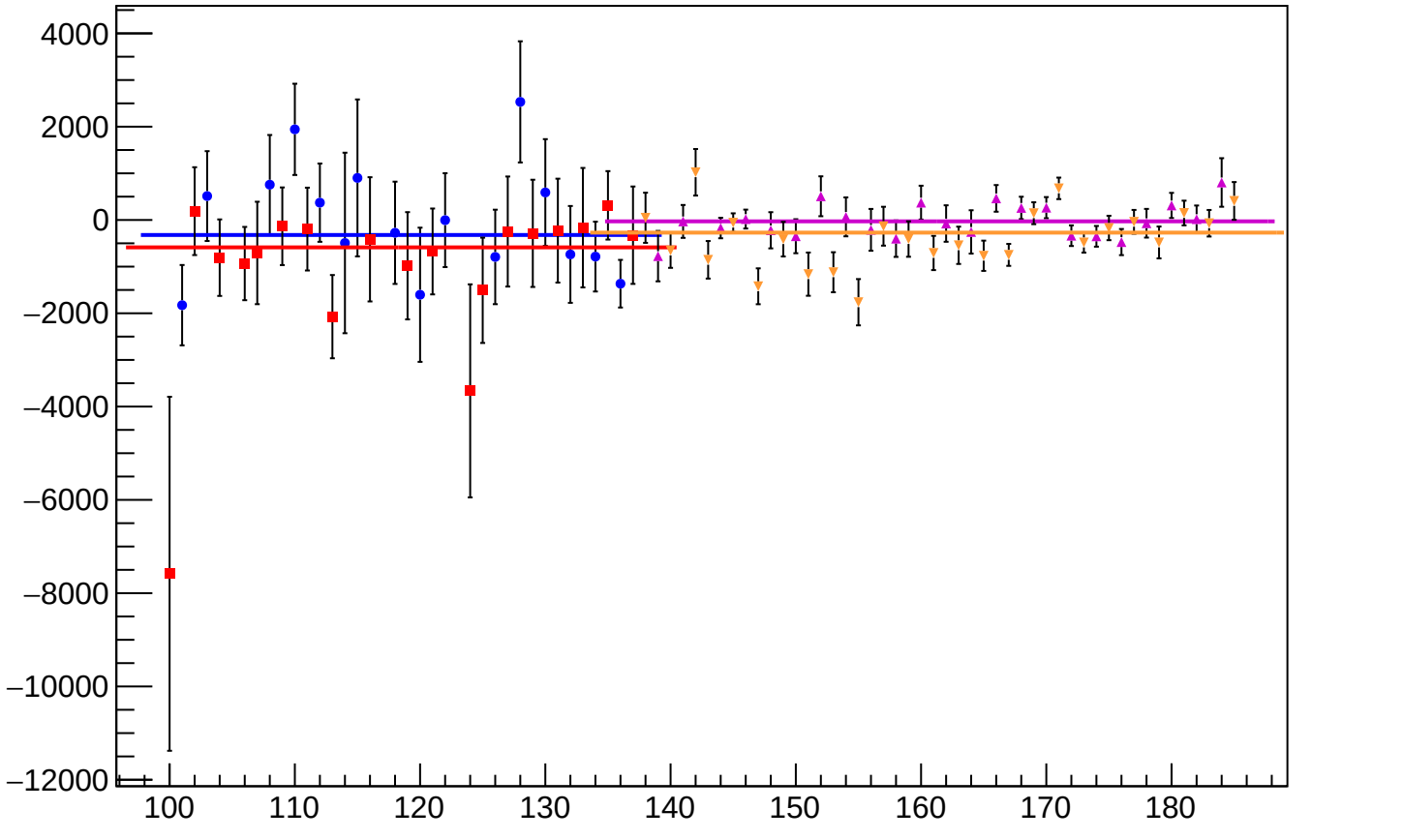
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.855+/-0.007 χ^2/NDF: 2138828.0/40

All: 50.051+/-0.005 χ^2/NDF: 4358907.3/82

- 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: -271.027+/-62.346 χ^2/NDF:73.9/24

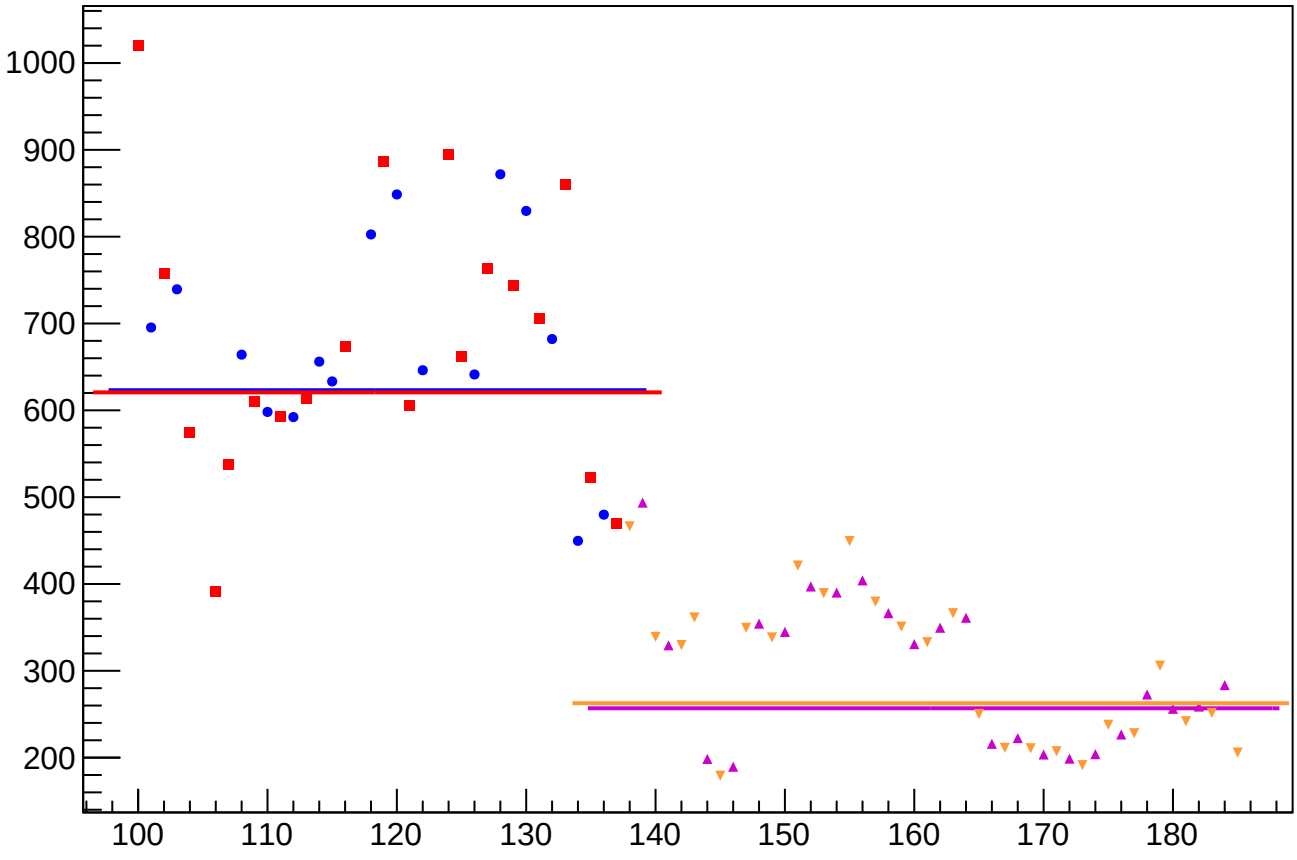
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -274.266+/-60.319 χ^2/NDF: 96.7/40

All: -170.773+/-42.729 χ^2/NDF: 144.4/82

- sign -66.526+/-60.538 χ^2/NDF: 41.9/41



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

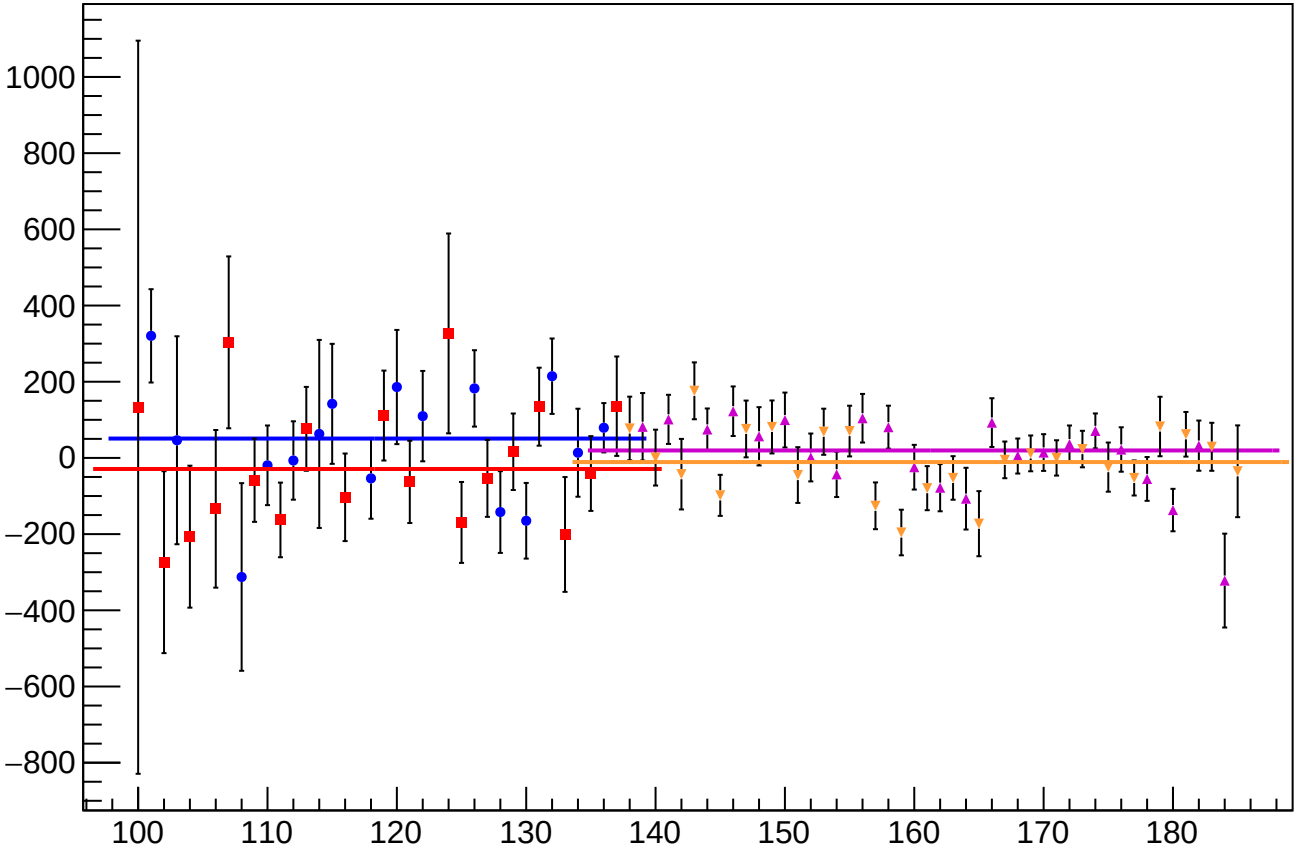
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 285.741+/-0.043 χ^2/NDF: 7736651.7/40

All: 283.467+/-0.030 χ^2/NDF: 15500605.4/82

- 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: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

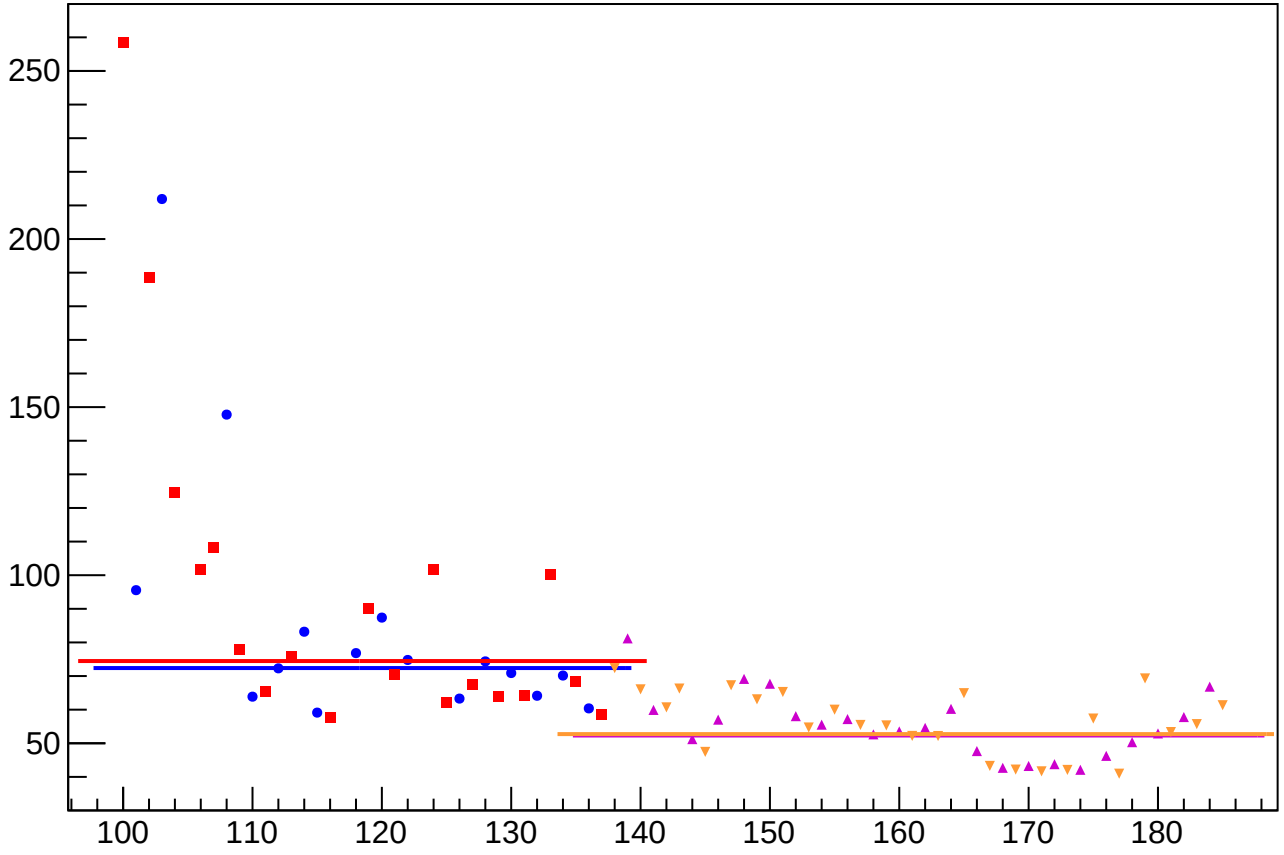
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -1.027+/-11.286 χ^2/NDF: 67.3/40

All: 5.305+/-8.058 χ^2/NDF: 125.6/82

- 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: 52.731+/-0.009 χ^2/NDF:1167195.4/24

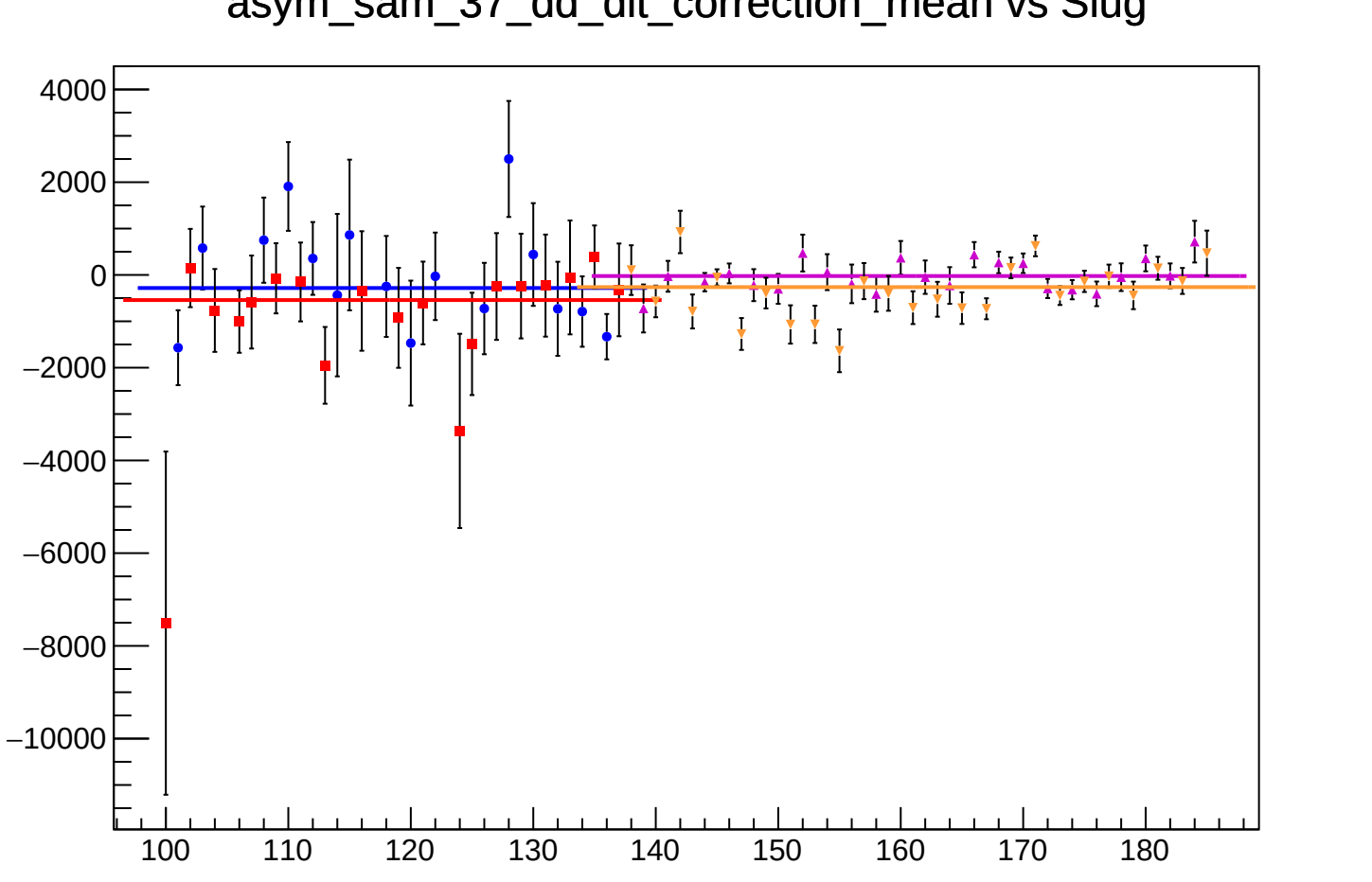
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 55.852+/-0.008 χ^2/NDF: 2915233.0/40

All: 55.838+/-0.006 χ^2/NDF: 5847350.5/82

- sign 55.824+/-0.008 χ^2/NDF: 2932111.4/41



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

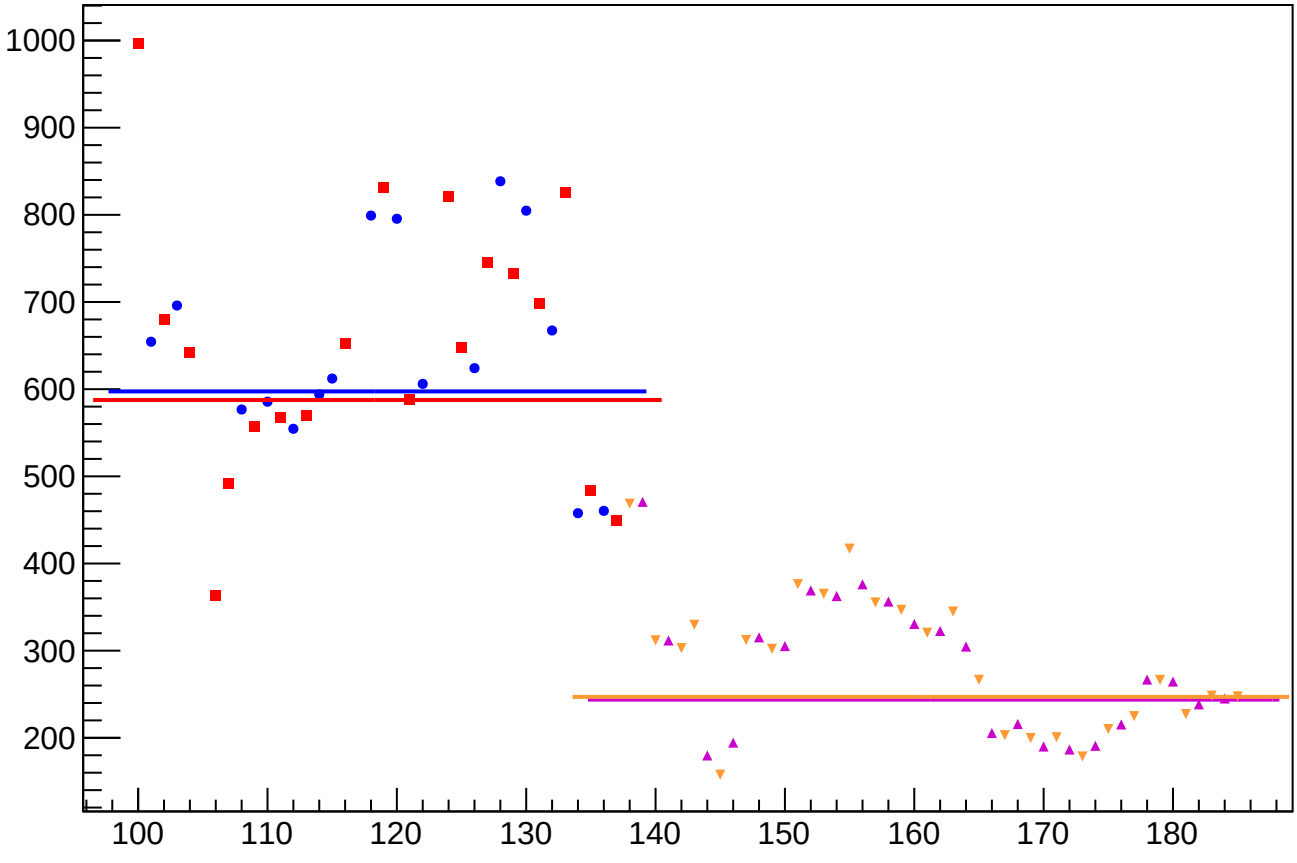
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

\+ sign -263.785+/-56.662 χ^2/NDF: 95.0/40

All: -162.364+/-40.310 χ^2/NDF: 144.1/82

\- 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: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

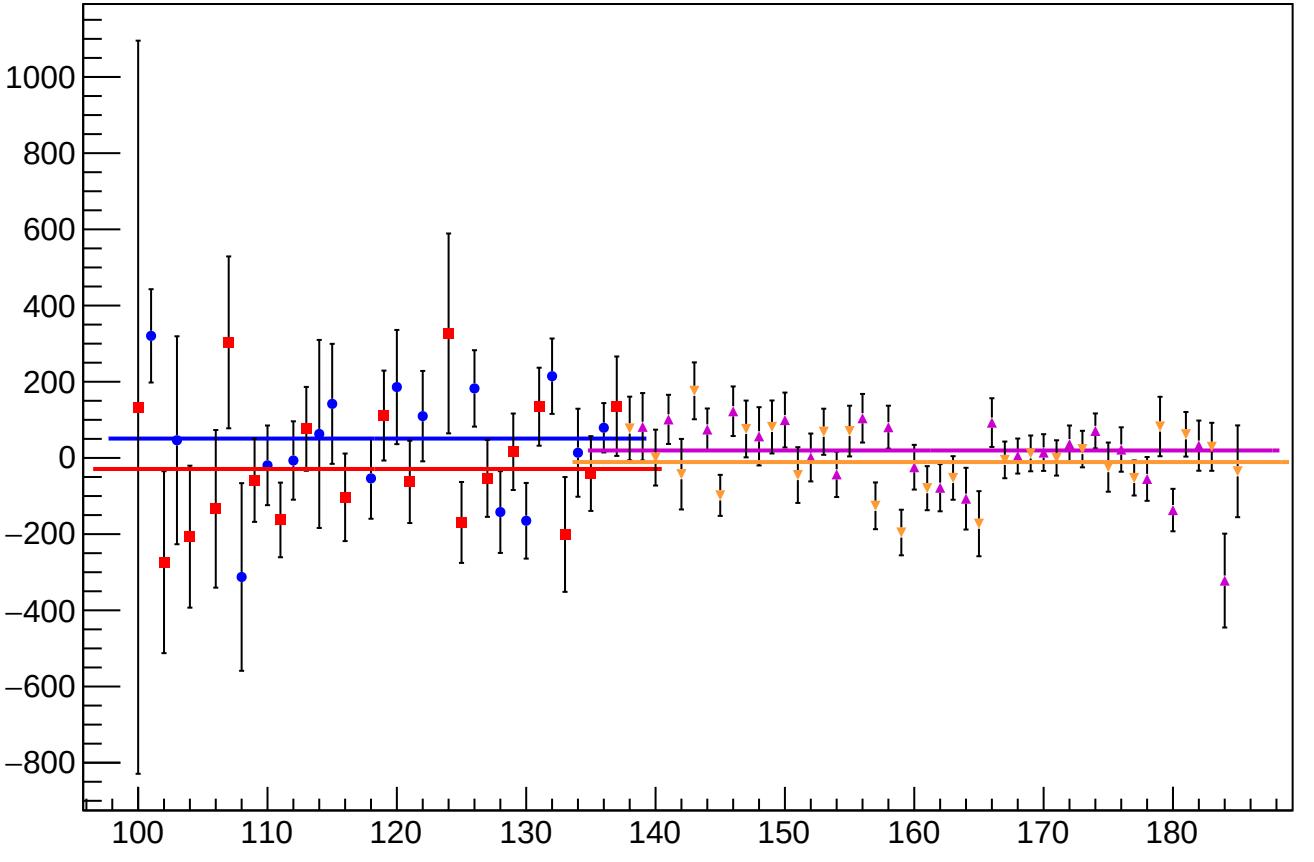
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 268.679+/-0.040 χ^2/NDF: 7900249.6/40

All: 267.850+/-0.029 χ^2/NDF: 15596841.7/82

- 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: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

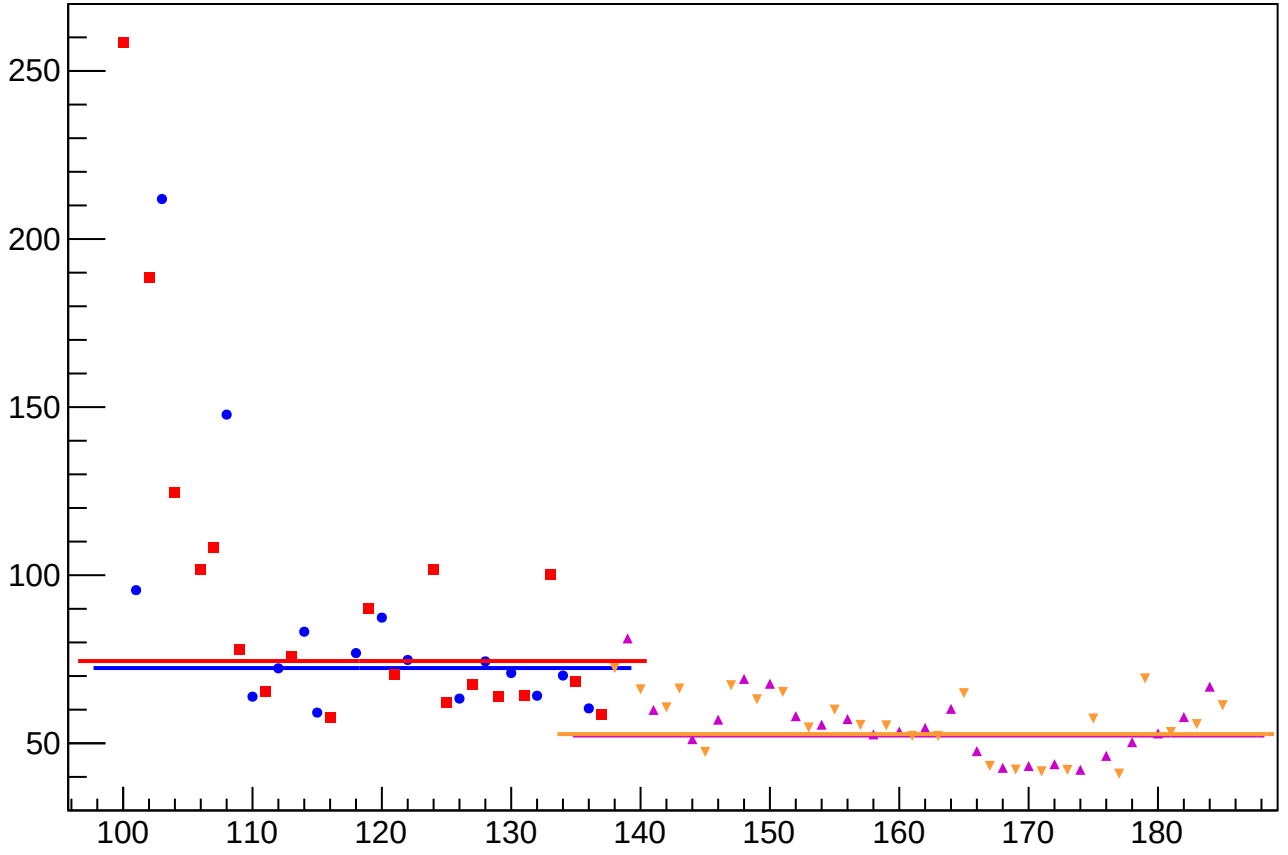
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -1.026+/-11.286 χ^2/NDF: 67.3/40

All: 5.306+/-8.058 χ^2/NDF: 125.6/82

- 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: 52.731+/-0.009 χ^2/NDF:1167223.2/24

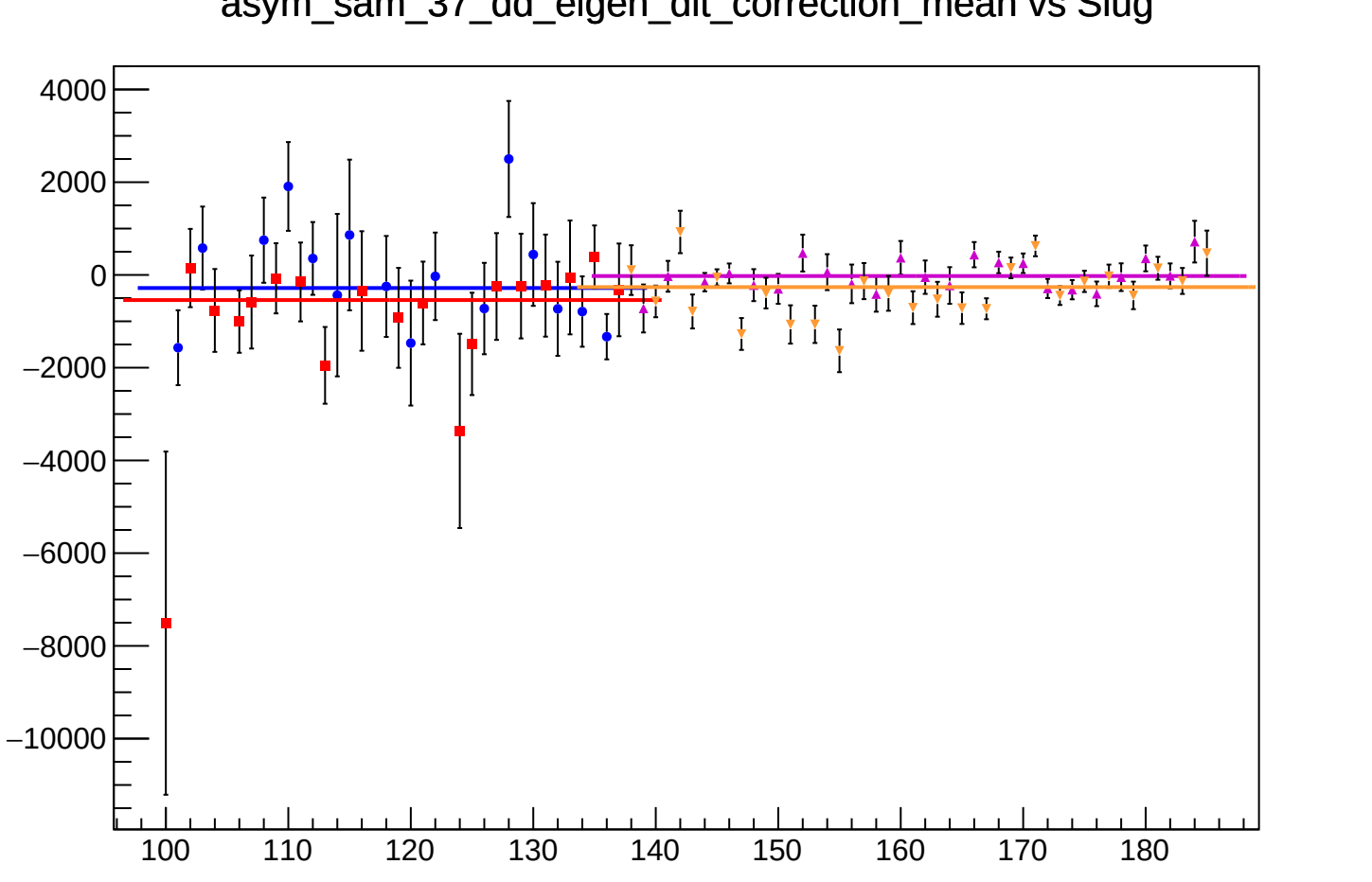
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 55.852+/-0.008 χ^2/NDF: 2915250.6/40

All: 55.838+/-0.006 χ^2/NDF: 5847360.1/82

- 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: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

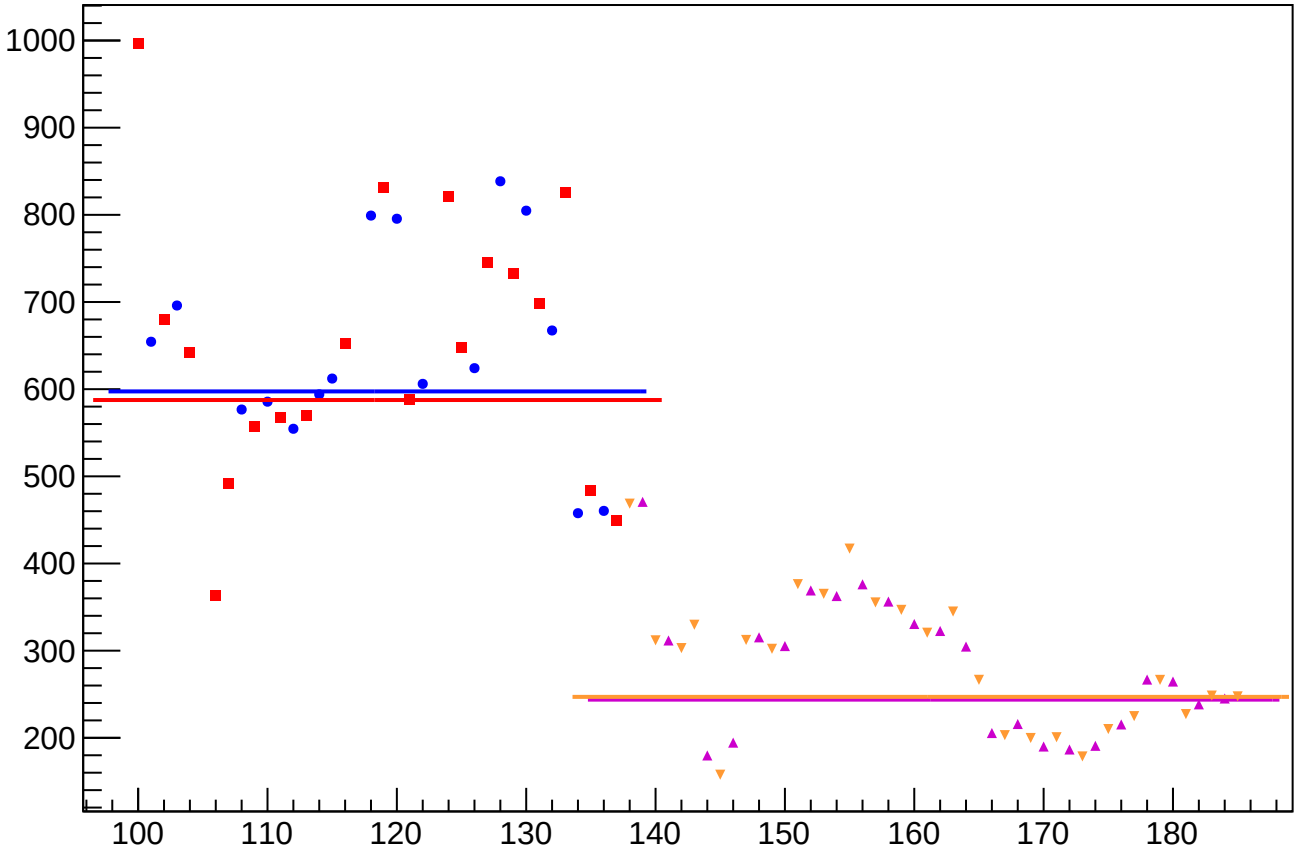
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -263.786+/-56.662 χ^2/NDF: 95.0/40

All: -162.364+/-40.310 χ^2/NDF: 144.1/82

- 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: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

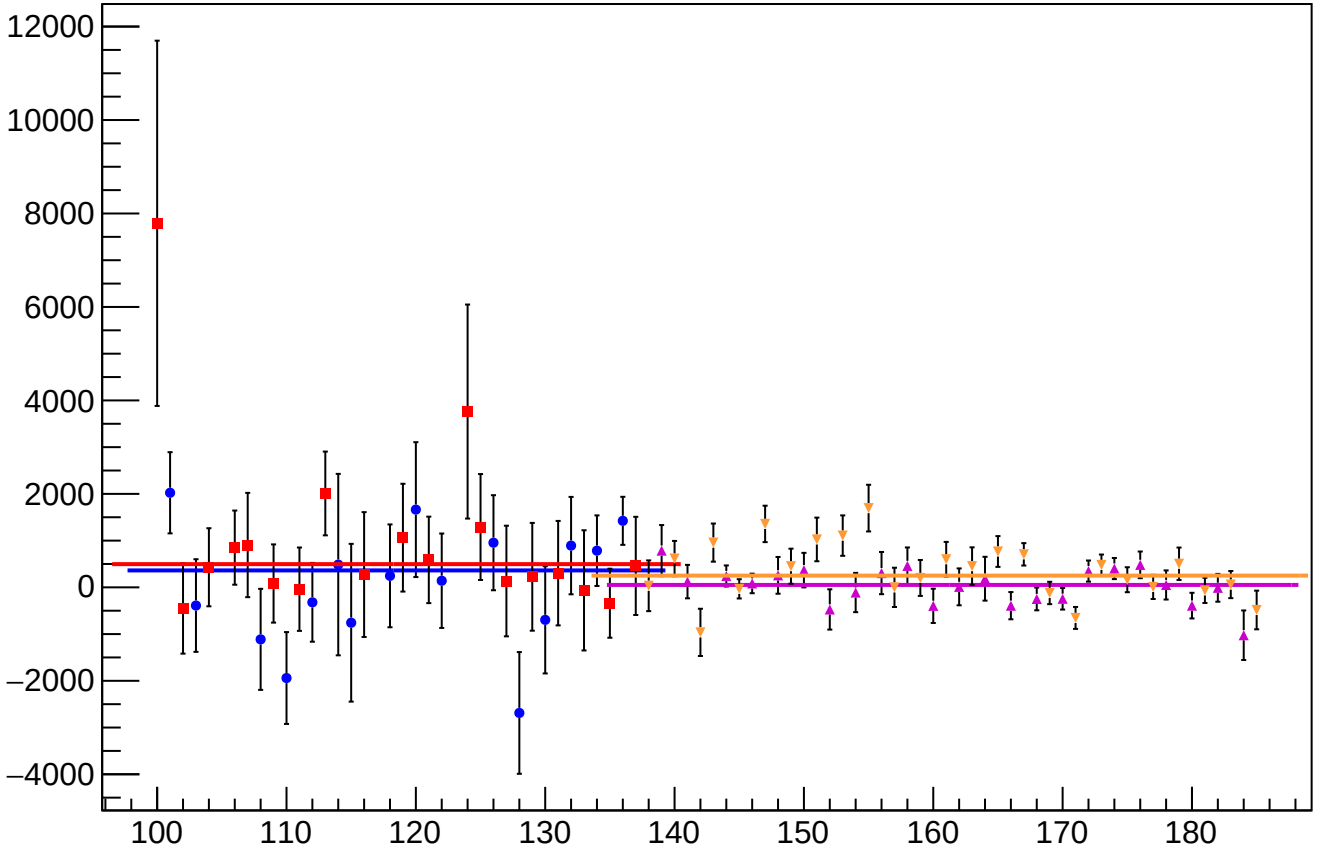
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 268.679+/-0.040 χ^2/NDF: 7900242.3/40

All: 267.850+/-0.029 χ^2/NDF: 15596828.1/82

- 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: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

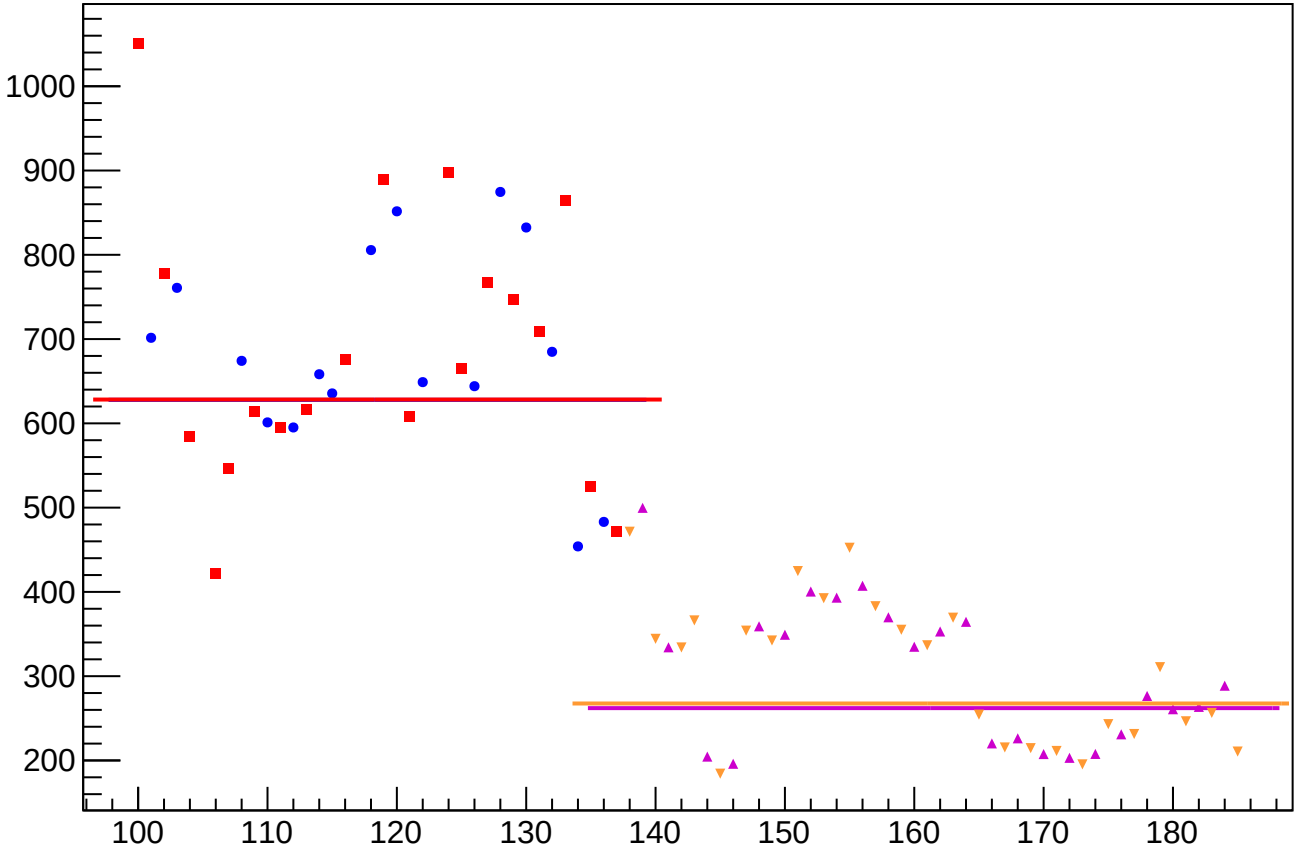
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 258.356+/-61.324 χ^2/NDF: 92.8/40

All: 170.635+/-43.470 χ^2/NDF: 139.7/82

- 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: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

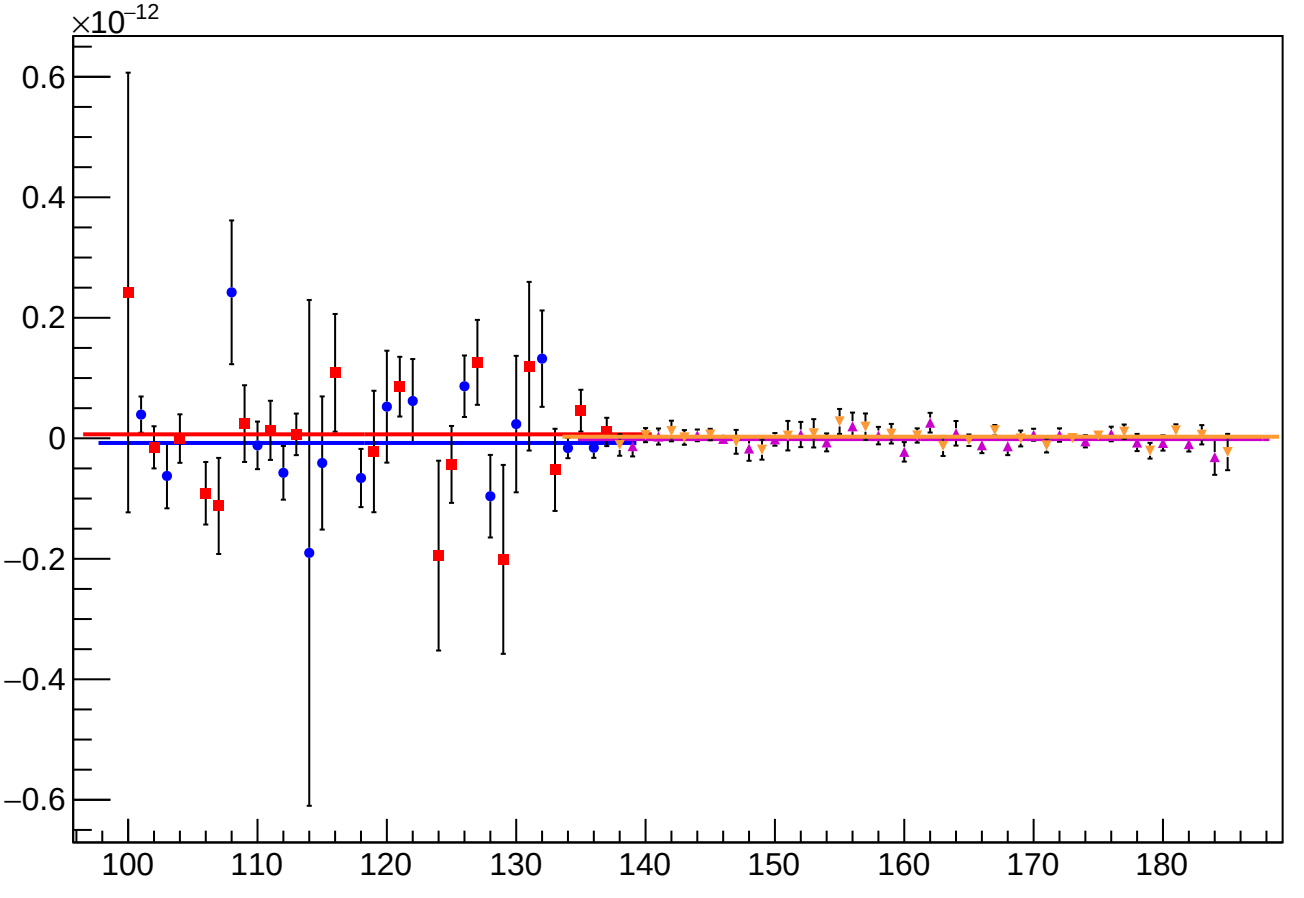
Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 291.053+/-0.043 χ^2/NDF: 7571754.7/40

All: 289.064+/-0.031 χ^2/NDF: 15169507.3/82

- sign 287.056+/-0.044 χ^2/NDF: 7593523.4/41

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

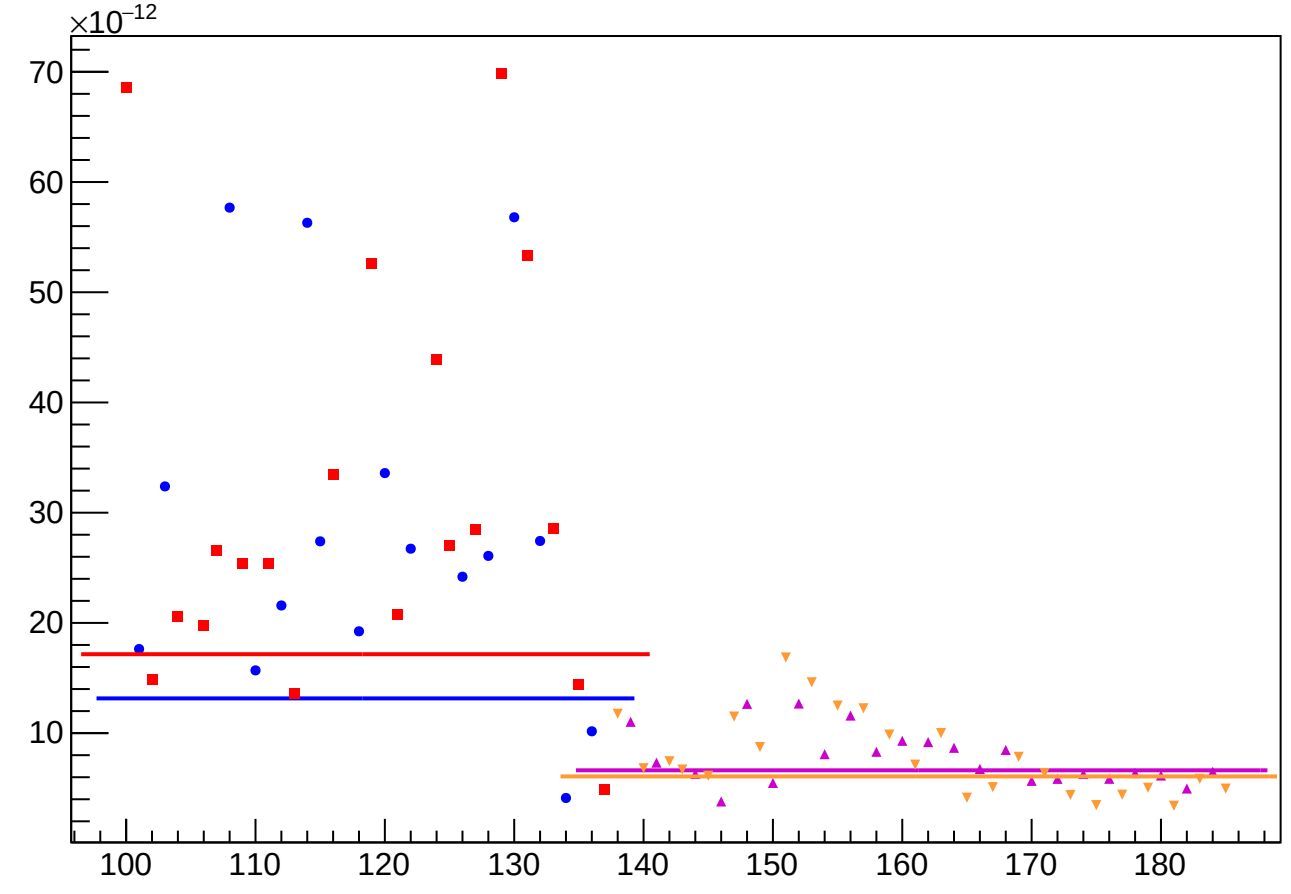
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/40

All: 0.000+/-0.000 χ^2/NDF: 70.6/82

- sign -0.000+/-0.000 χ^2/NDF: 32.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

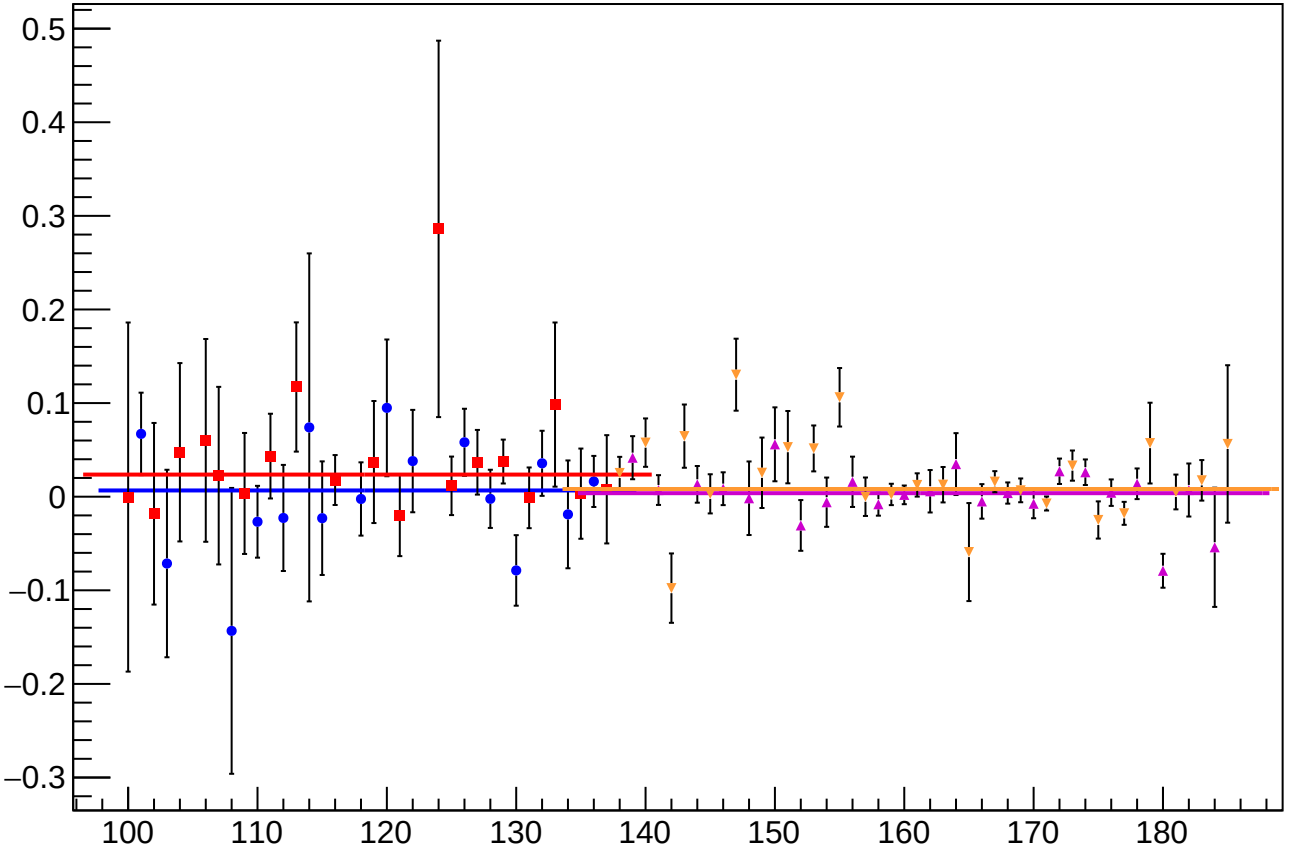
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5564848.9/40

All: 0.000+/-0.000 χ^2/NDF: 10034490.0/82

- sign 0.000+/-0.000 χ^2/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:58.8/24

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

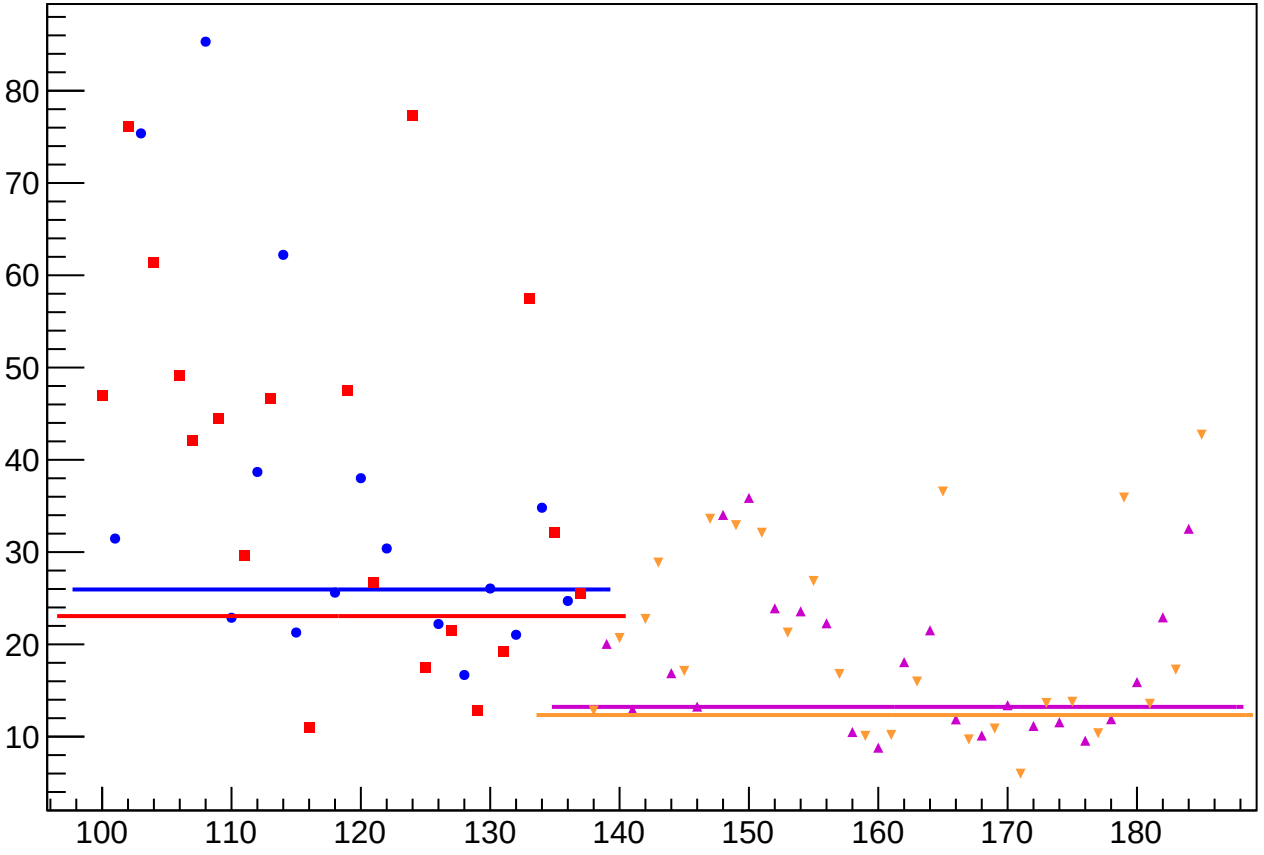
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.8/40

All: 0.007+/-0.002 χ^2/NDF: 122.0/82

- 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: 12.343+/-0.002 χ^2/NDF:6743594.0/24

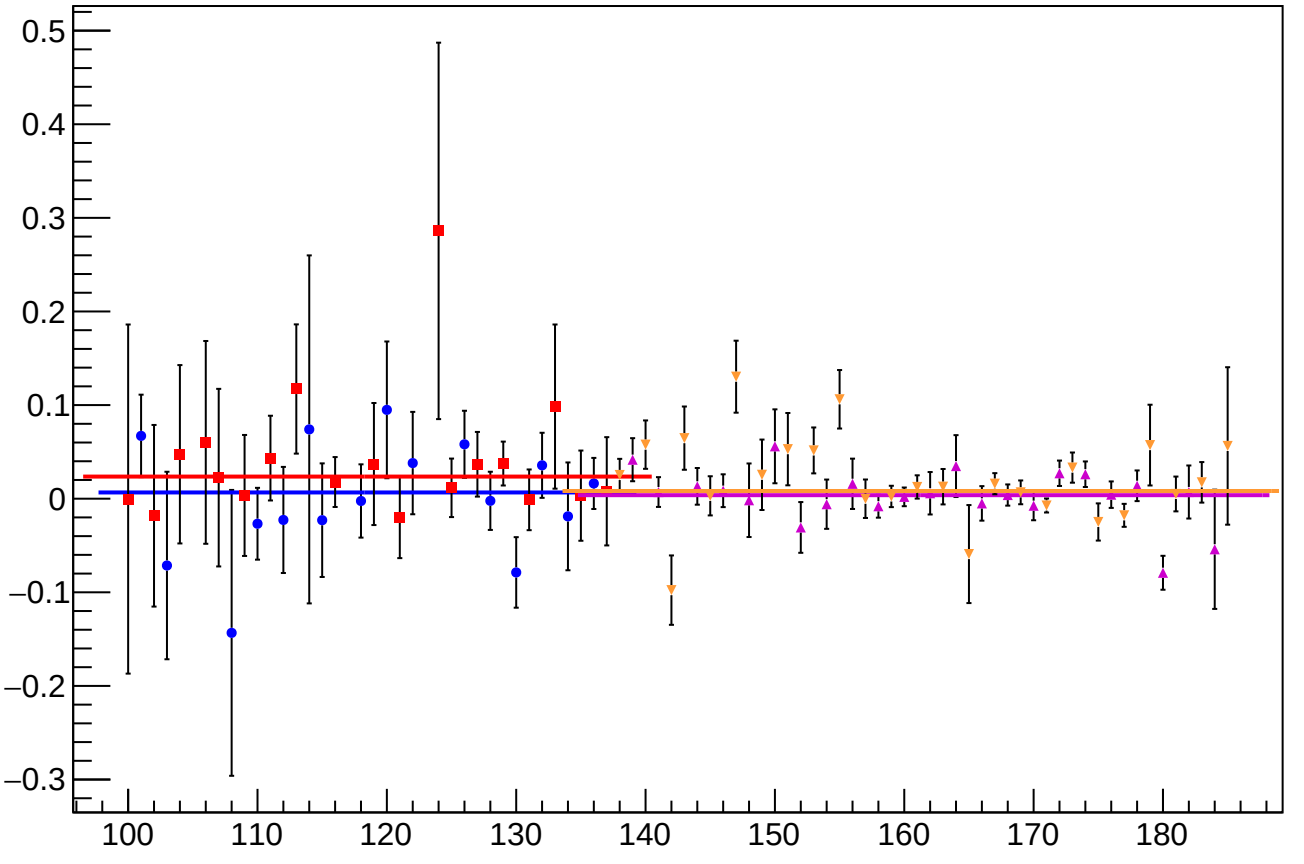
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.544+/-0.002 χ^2/NDF: 10865244.7/40

All: 13.896+/-0.002 χ^2/NDF: 19712040.6/82

- sign 14.277+/-0.002 χ^2/NDF: 8799392.0/41



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

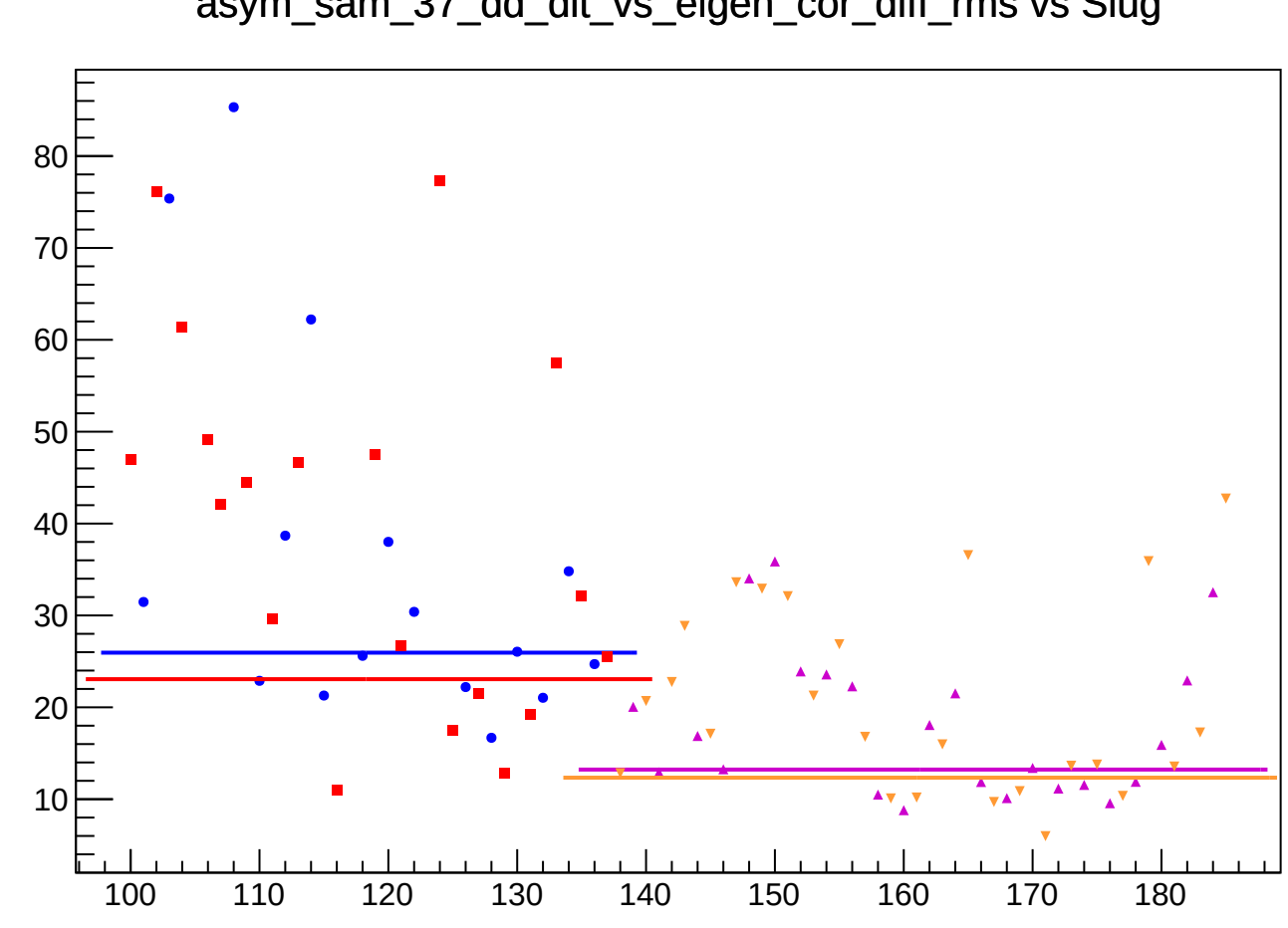
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.8/40

All: 0.007+/-0.002 χ^2/NDF: 122.0/82

- sign 0.006+/-0.003 χ^2/NDF: 47.9/41



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

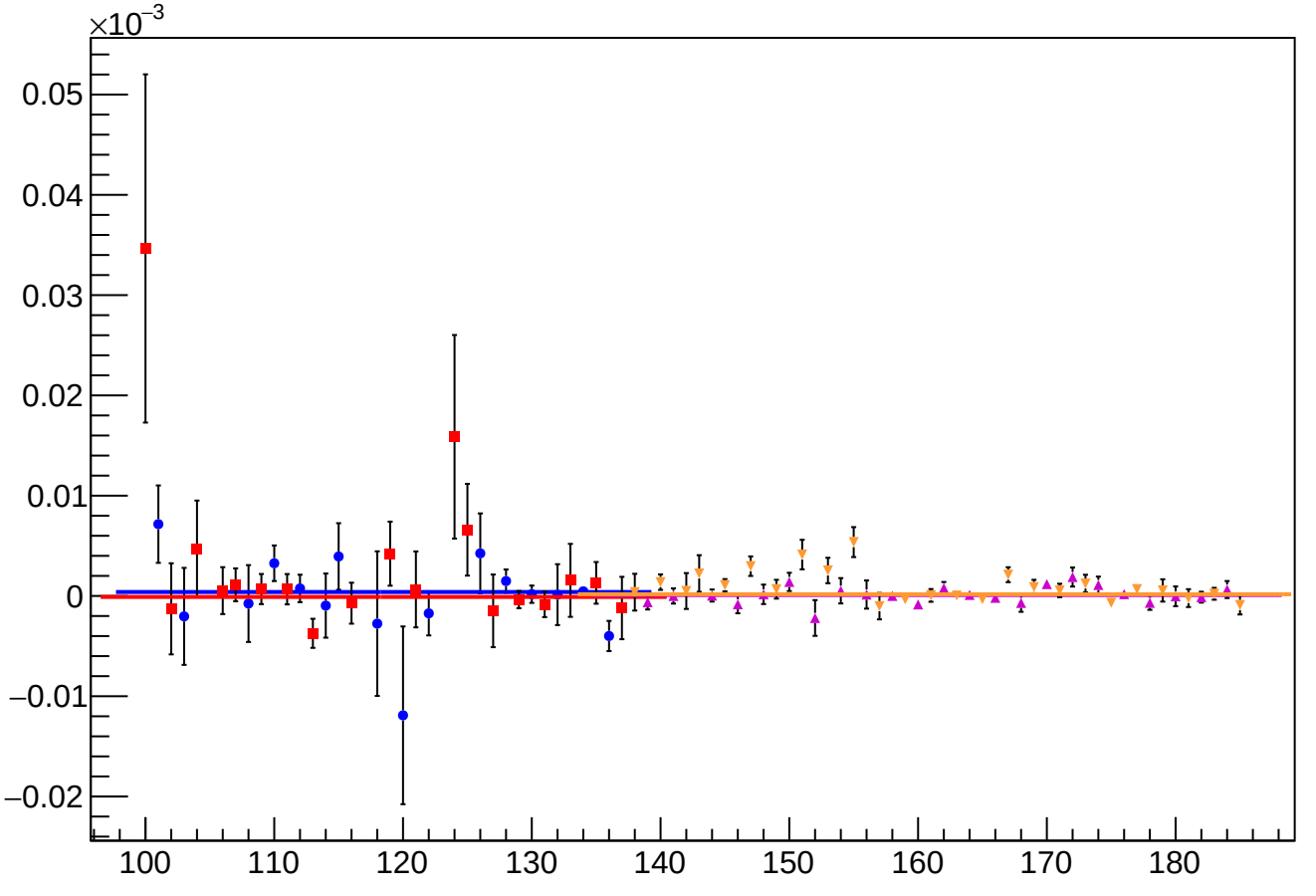
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.544+/-0.002 χ^2/NDF: 10865244.7/40

All: 13.896+/-0.002 χ^2/NDF: 19712040.6/82

- 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:61.5/24

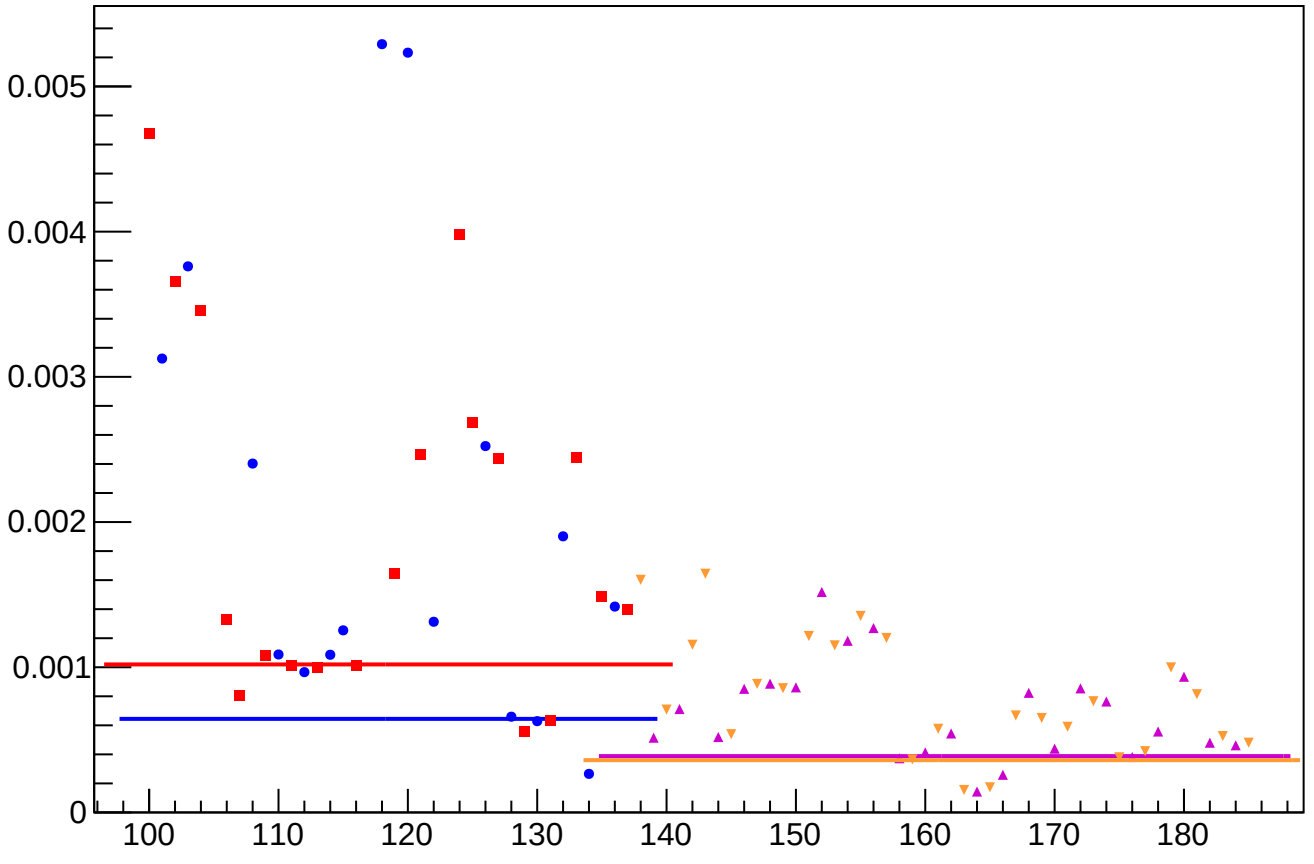
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.7/40

All: 0.000+/-0.000 χ^2/NDF: 128.3/82

- sign 0.000+/-0.000 χ^2/NDF: 45.0/41



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

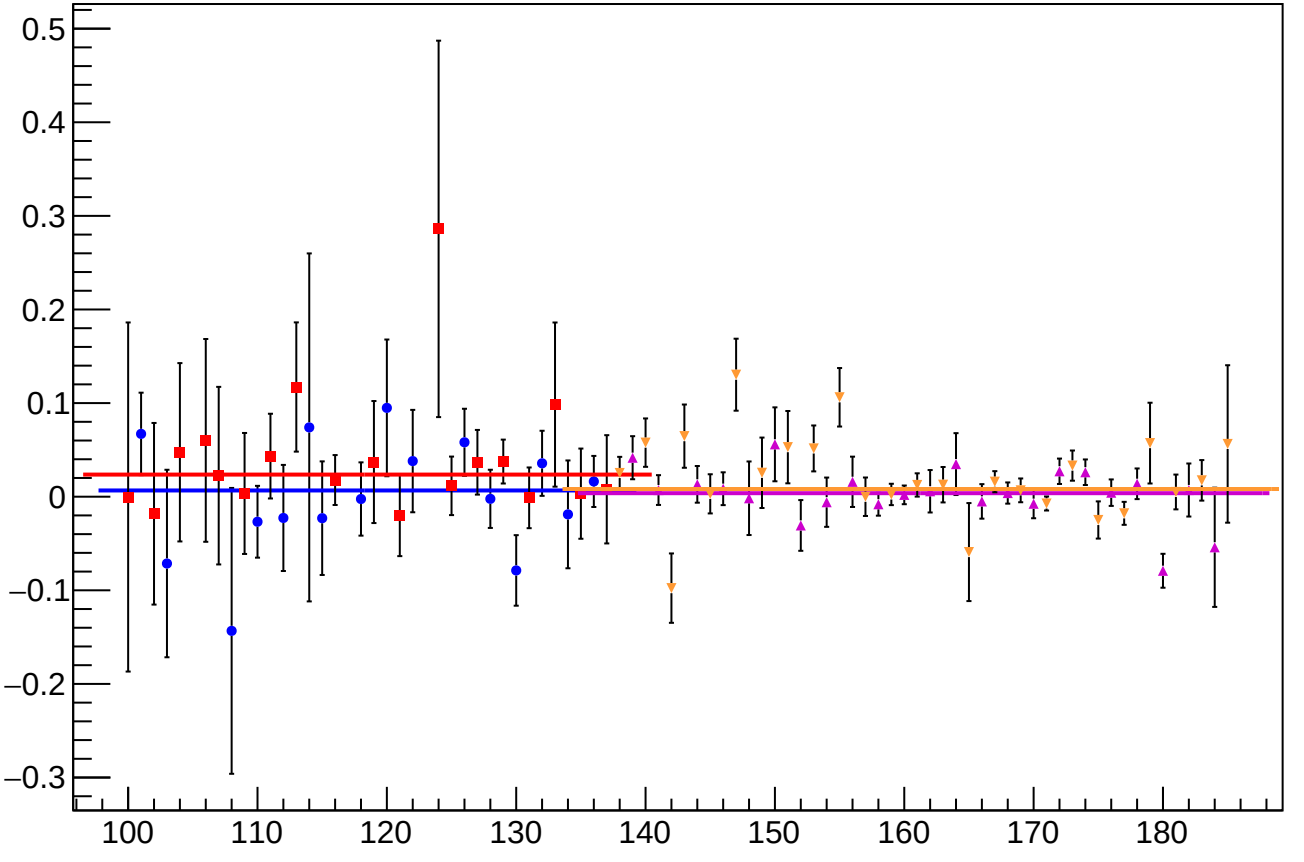
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 21872733.4/40

All: 0.000+/-0.000 χ^2/NDF: 39847801.7/82

- sign 0.000+/-0.000 χ^2/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:58.8/24

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

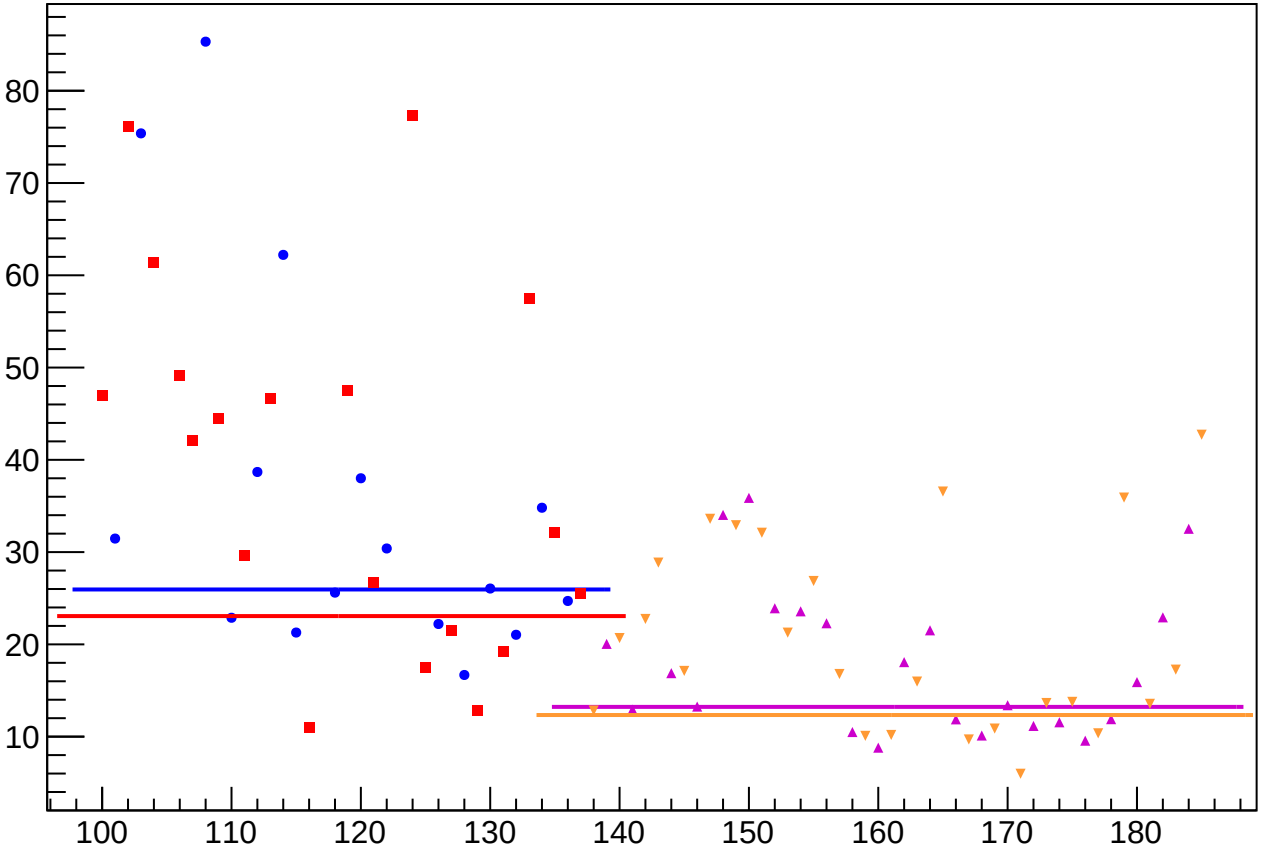
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.8/40

All: 0.007+/-0.002 χ^2/NDF: 122.0/82

- sign 0.006+/-0.003 χ^2/NDF: 47.9/41

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

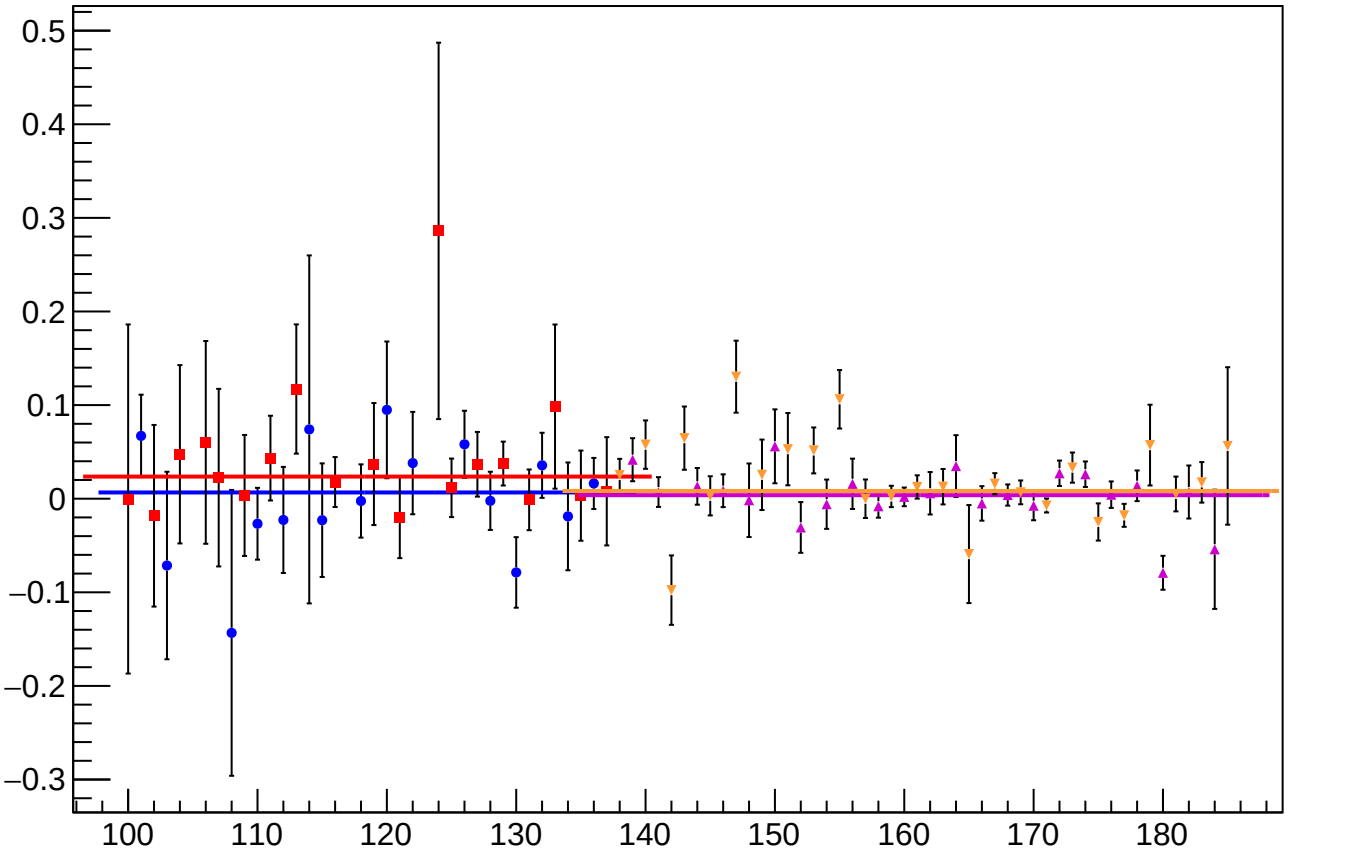
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 13.544+/-0.002 χ^2/NDF: 10865494.1/40

All: 13.896+/-0.002 χ^2/NDF: 19712383.8/82

\- 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:58.8/24

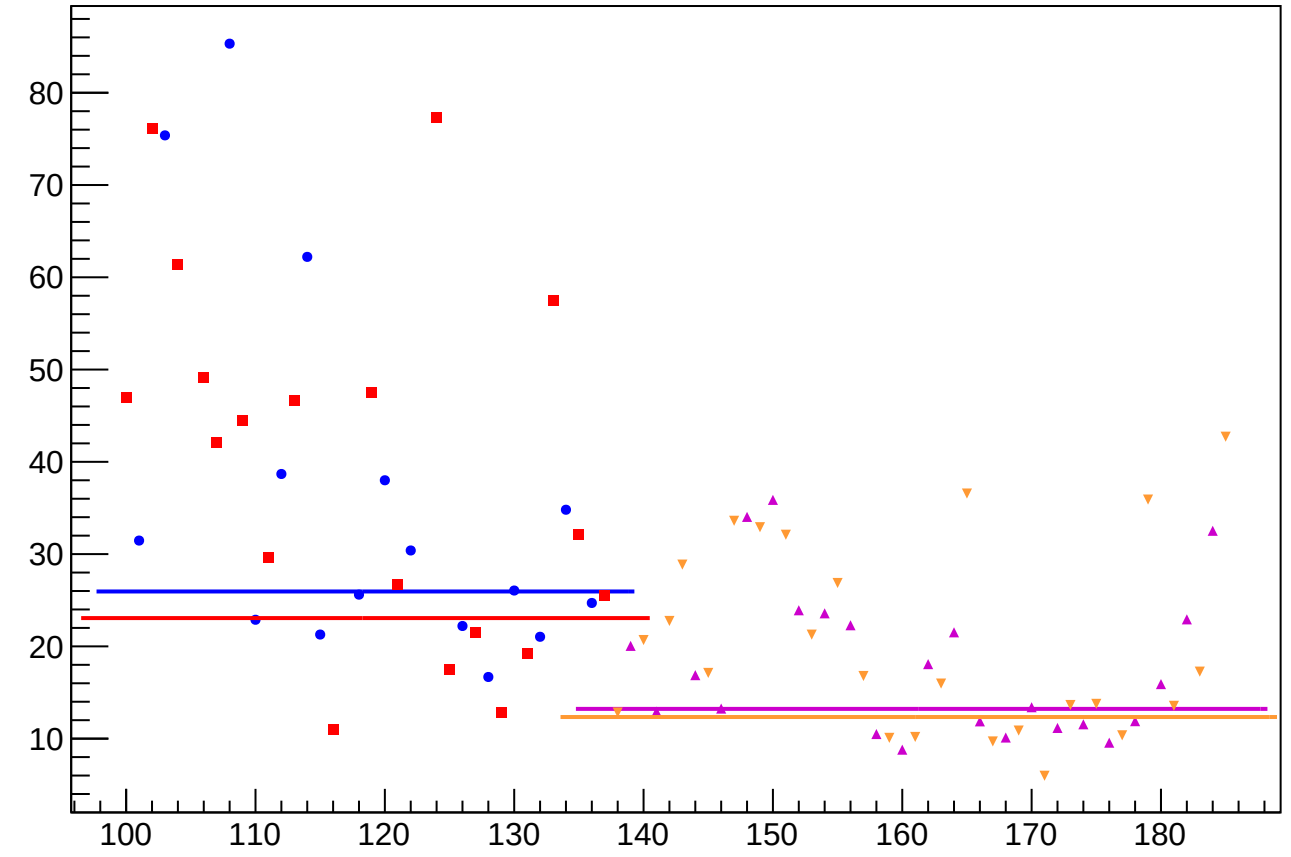
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 73.8/40

All: 0.007+/-0.002 χ^2/NDF: 122.0/82

- 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: 12.343+/-0.002 χ^2/NDF:6743823.4/24

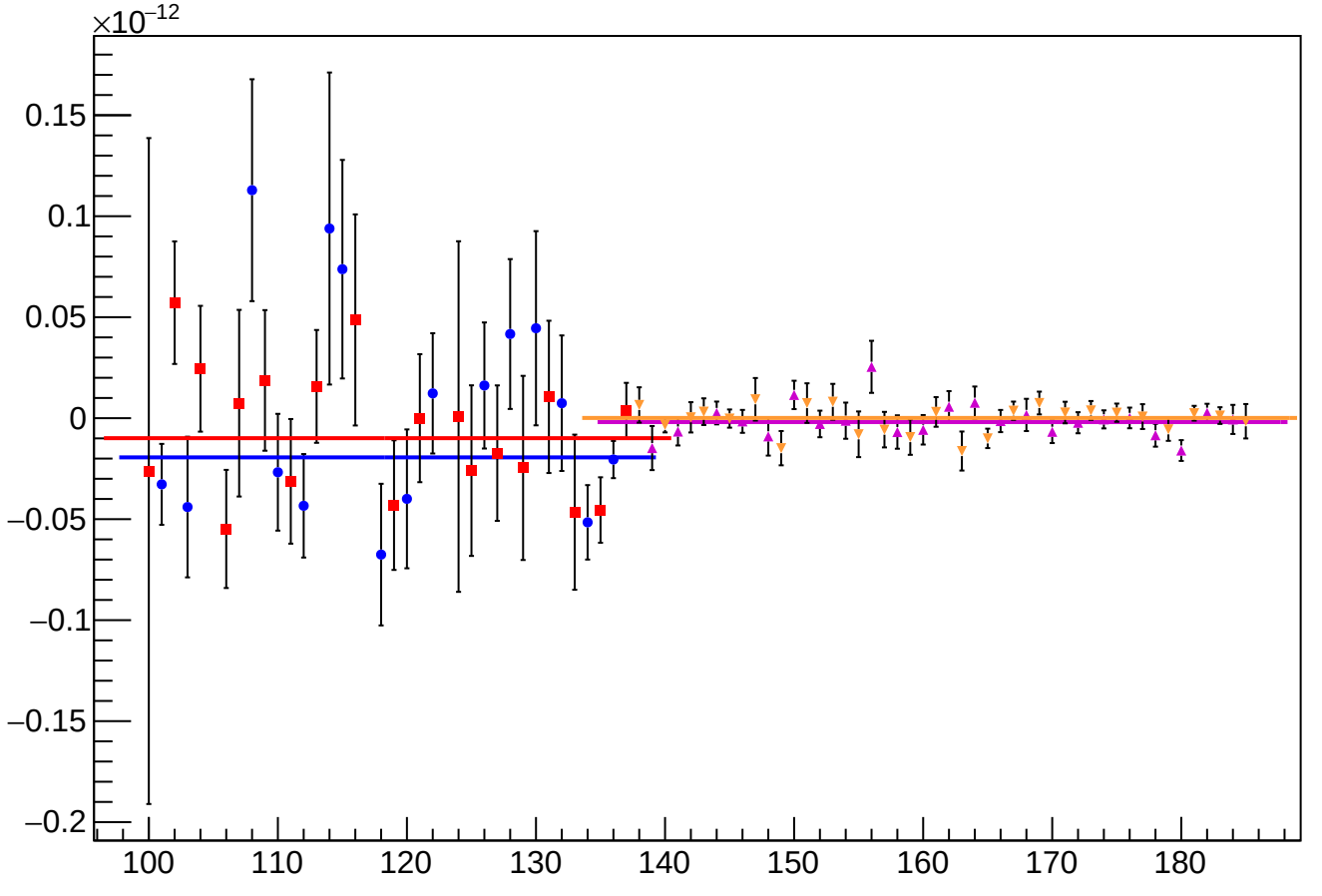
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.544+/-0.002 χ^2/NDF: 10865494.1/40

All: 13.896+/-0.002 χ^2/NDF: 19712383.8/82

- 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:21.5/24

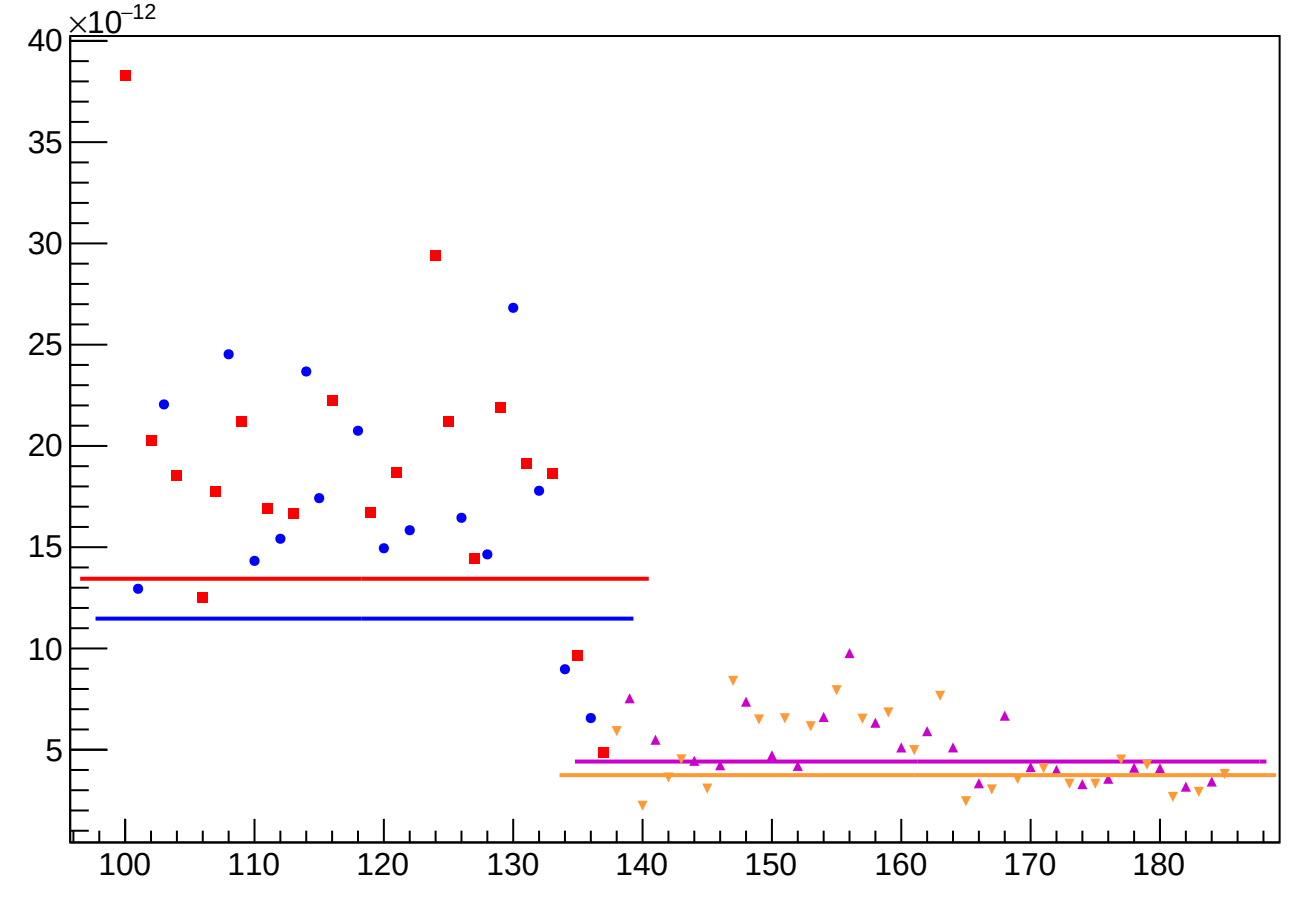
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.3/40

All: -0.000+/-0.000 χ^2/NDF: 105.3/82

- sign -0.000+/-0.000 χ^2/NDF: 47.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

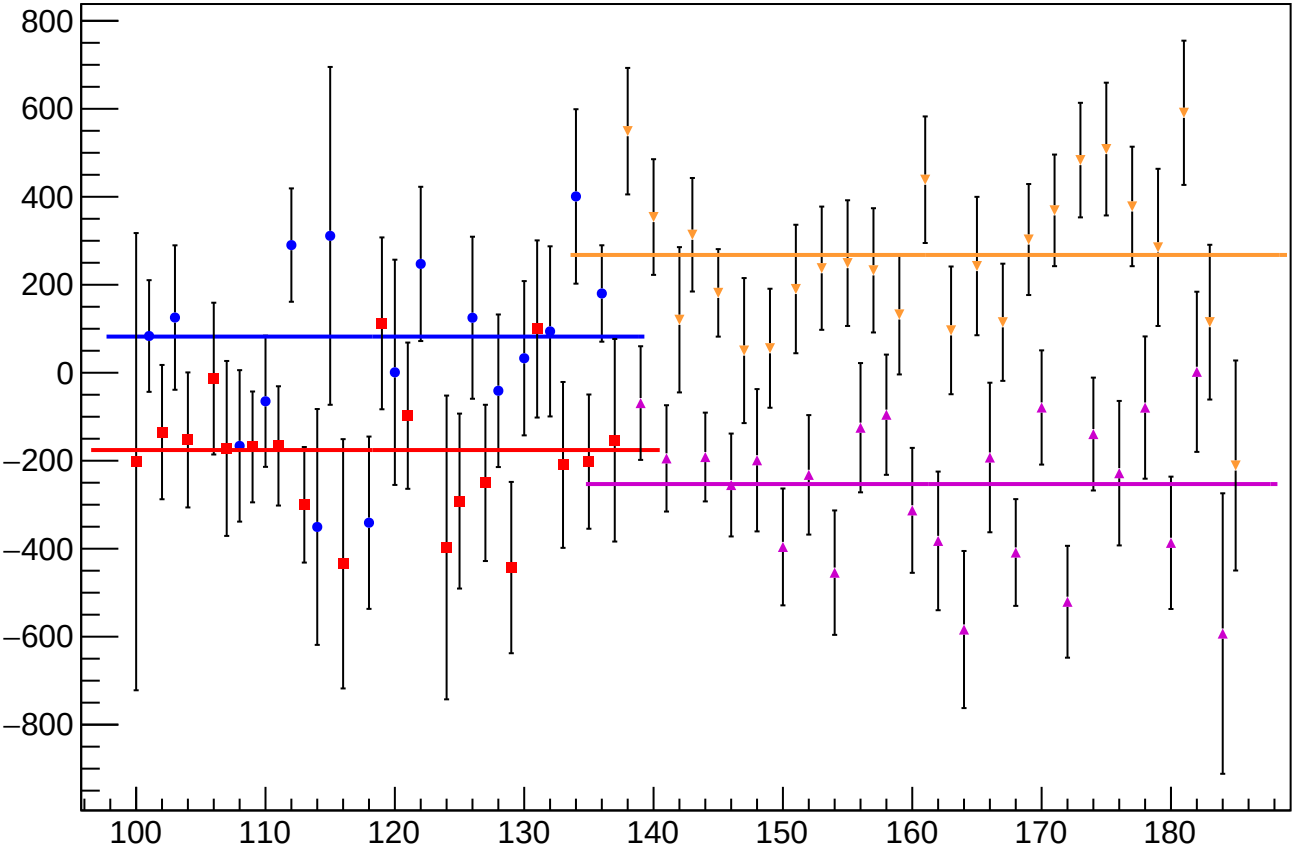
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7848090.5/40

All: 0.000+/-0.000 χ^2/NDF: 15028004.9/82

- sign 0.000+/-0.000 χ^2/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: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

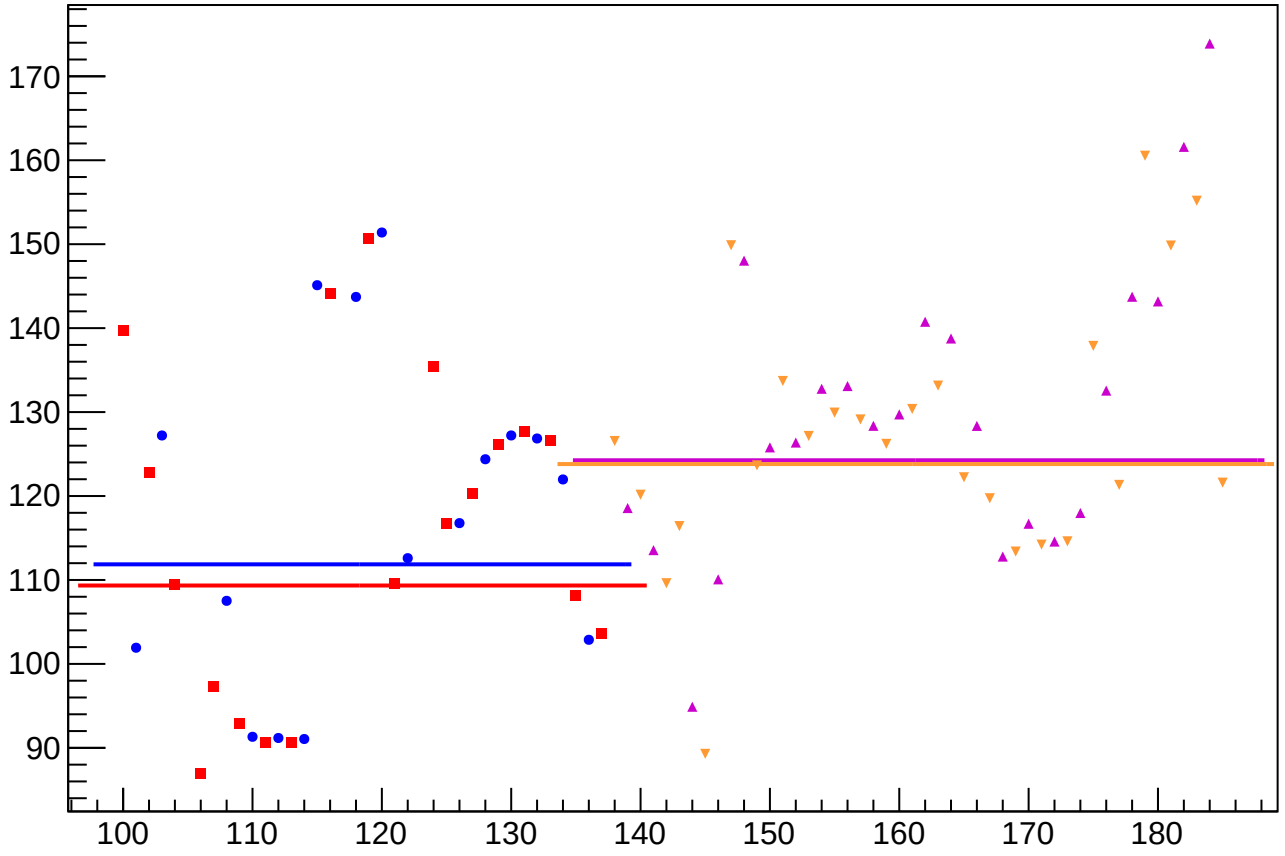
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 209.783+/-23.554 χ^2/NDF: 62.7/40

All: -6.328+/-16.735 χ^2/NDF: 271.1/82

- sign -226.617+/-23.781 χ^2/NDF: 38.4/41

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

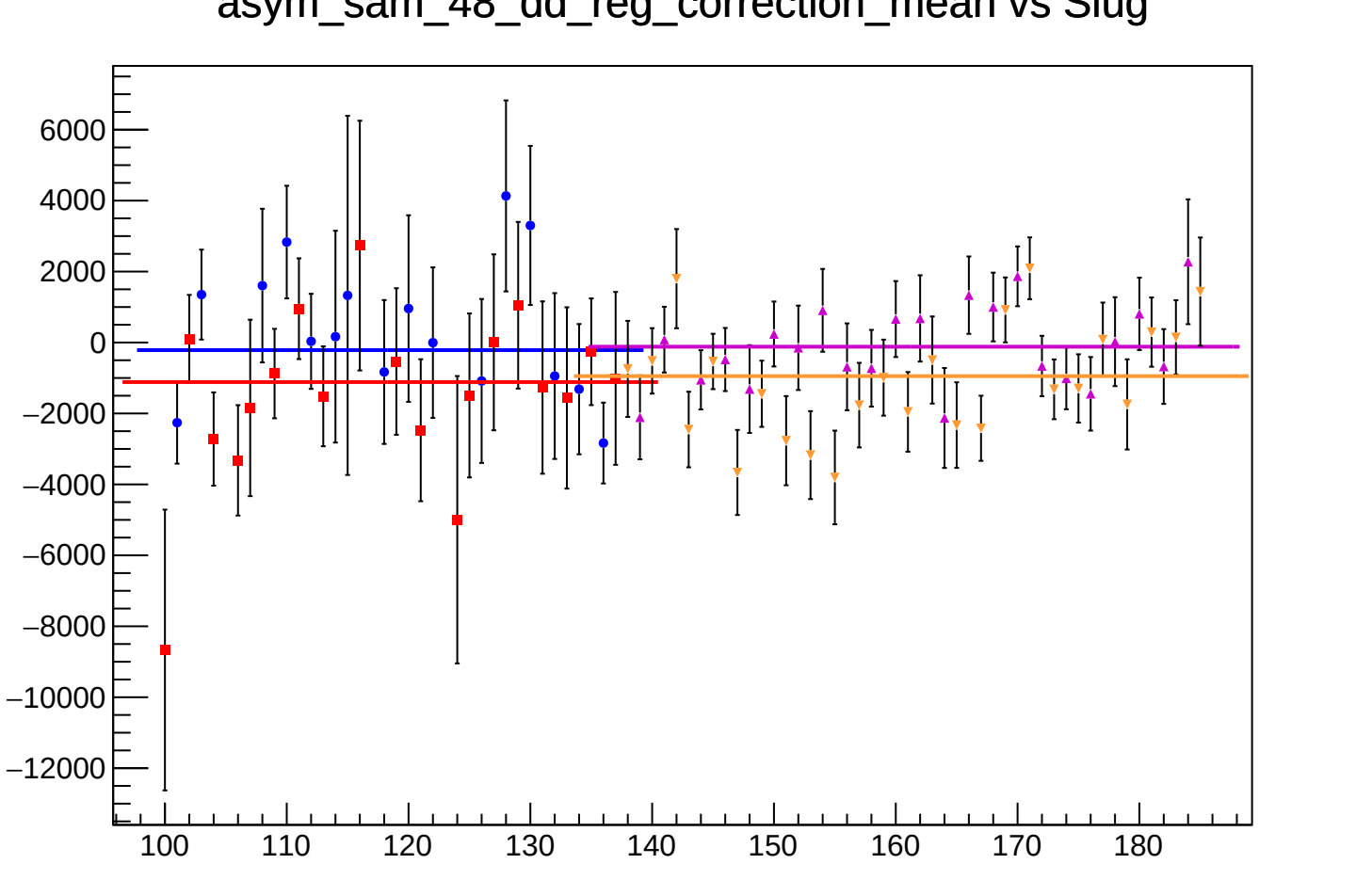
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.074+/-0.017 χ^2/NDF: 1014988.2/40

All: 119.621+/-0.012 χ^2/NDF: 2118012.3/82

- sign 119.159+/-0.017 χ^2/NDF: 1101528.5/41



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

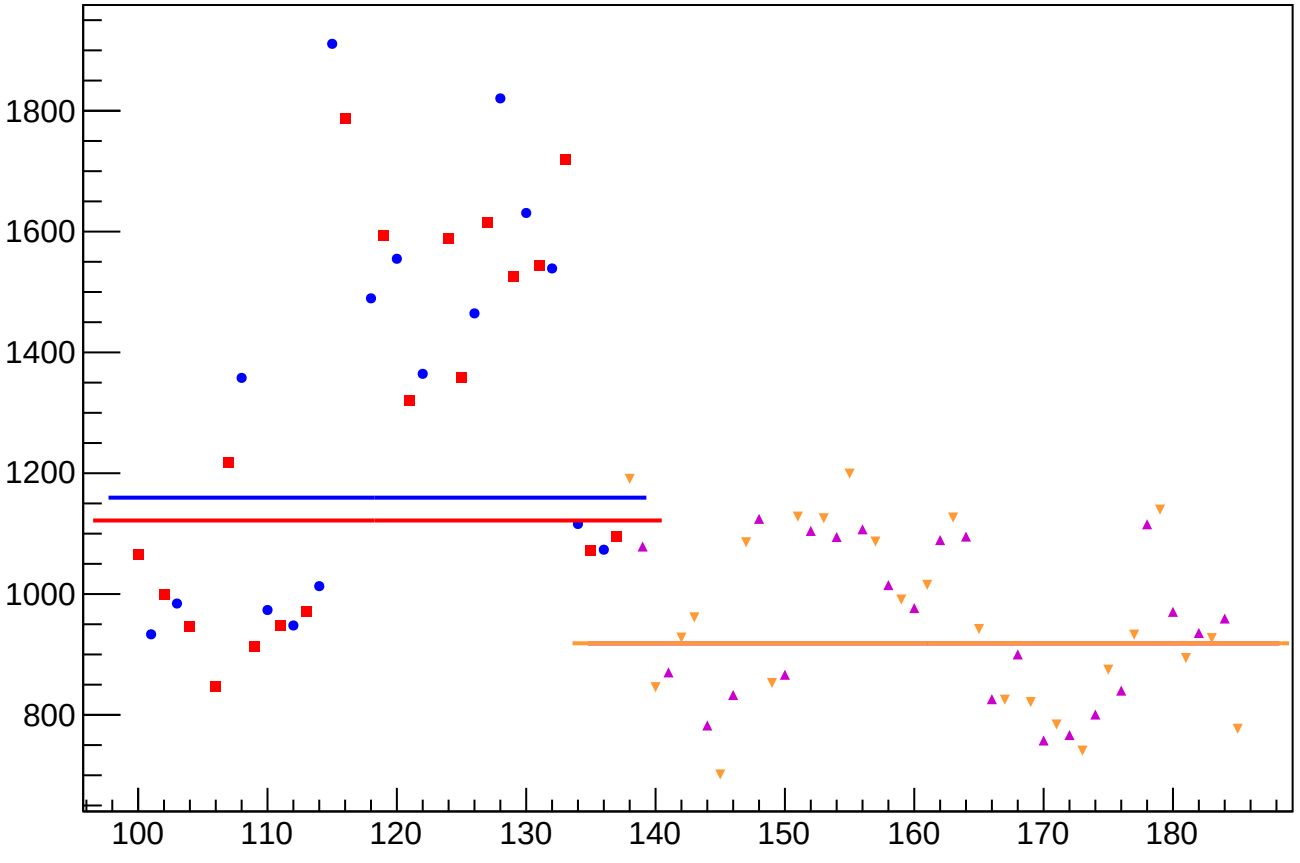
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

\+ sign -811.731+/-191.156 χ^2/NDF: 72.9/40

All: -571.551+/-135.883 χ^2/NDF: 119.4/82

\- 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: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

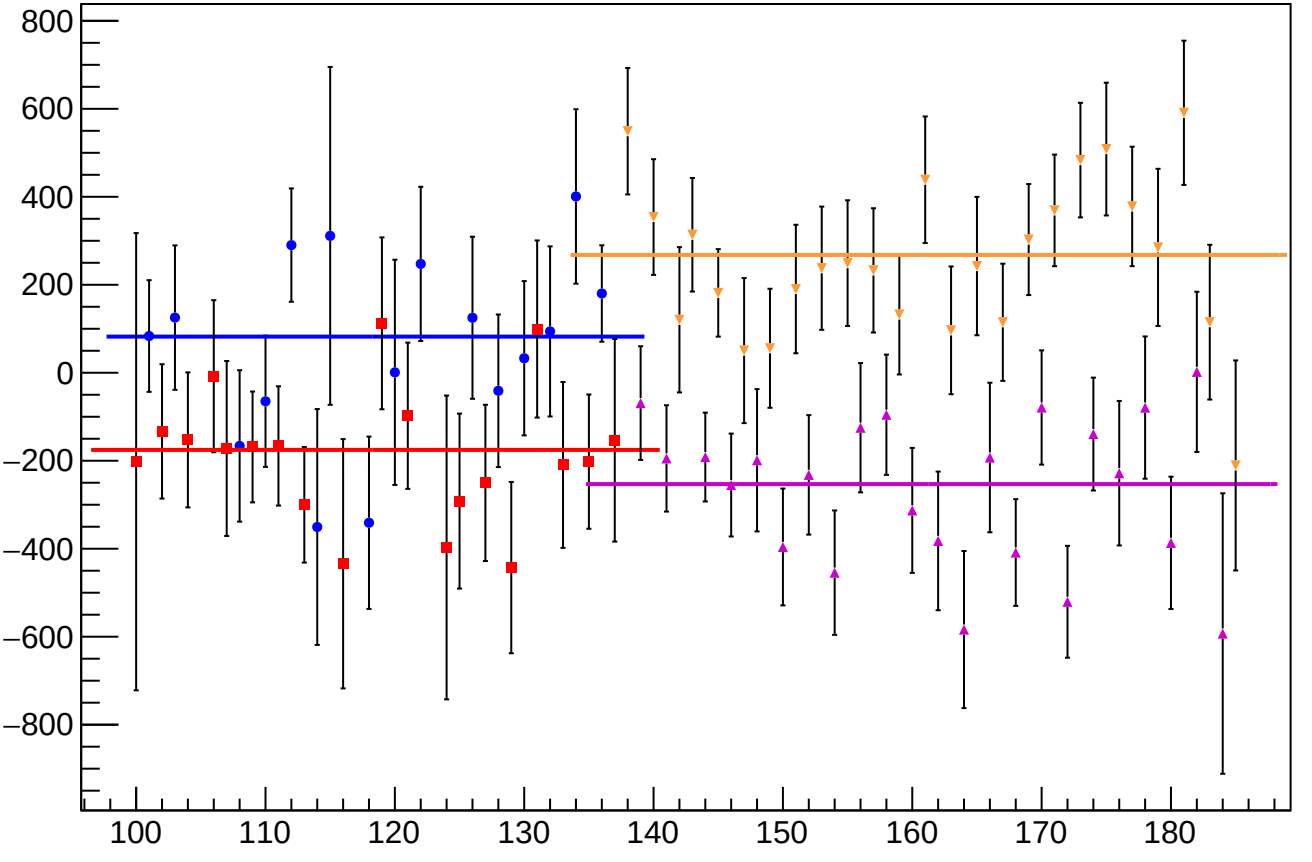
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 963.192+/-0.135 χ^2/NDF: 2051864.2/40

All: 961.942+/-0.096 χ^2/NDF: 3866989.6/82

- 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: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

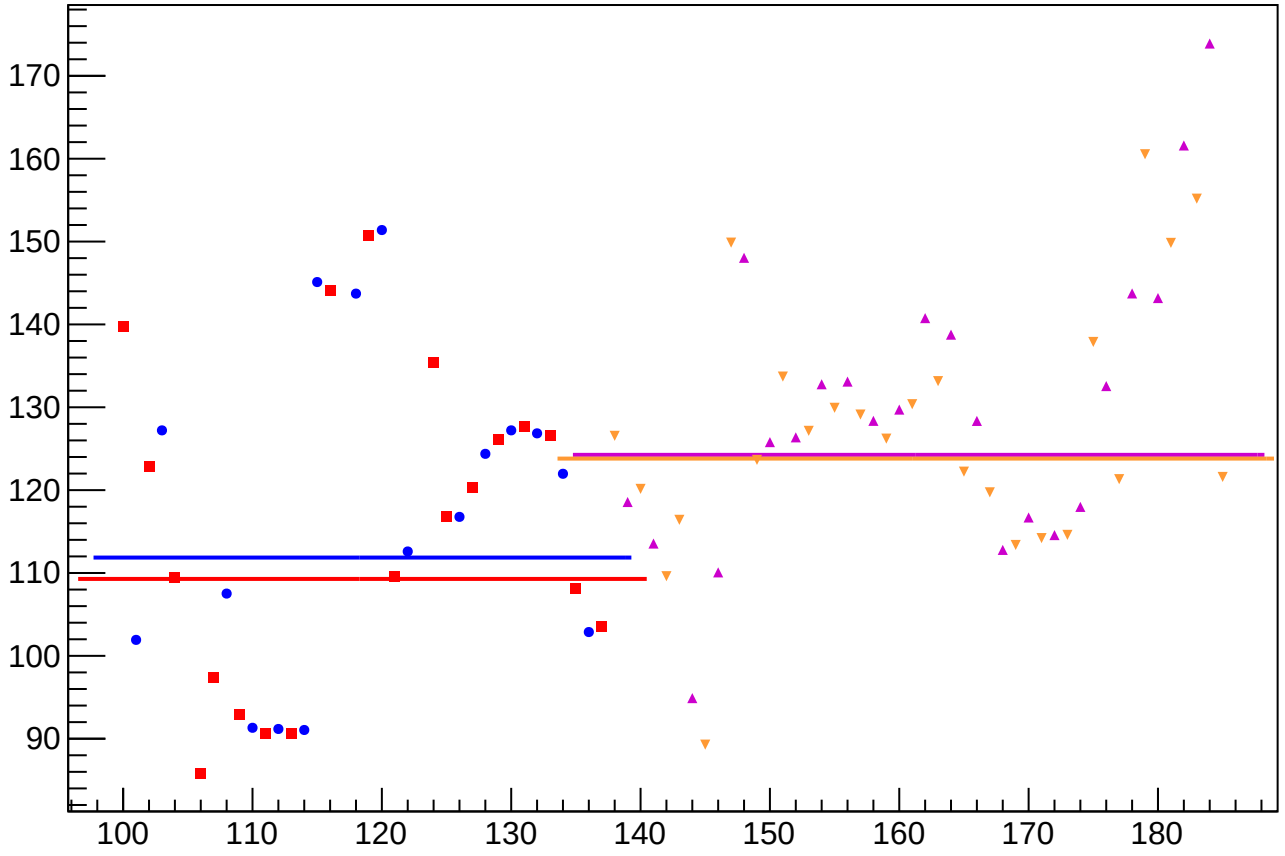
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 209.785+/-23.554 χ^2/NDF: 62.7/40

All: -6.253+/-16.735 χ^2/NDF: 271.1/82

- 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: 123.807+/-0.020 χ^2/NDF:598444.2/24

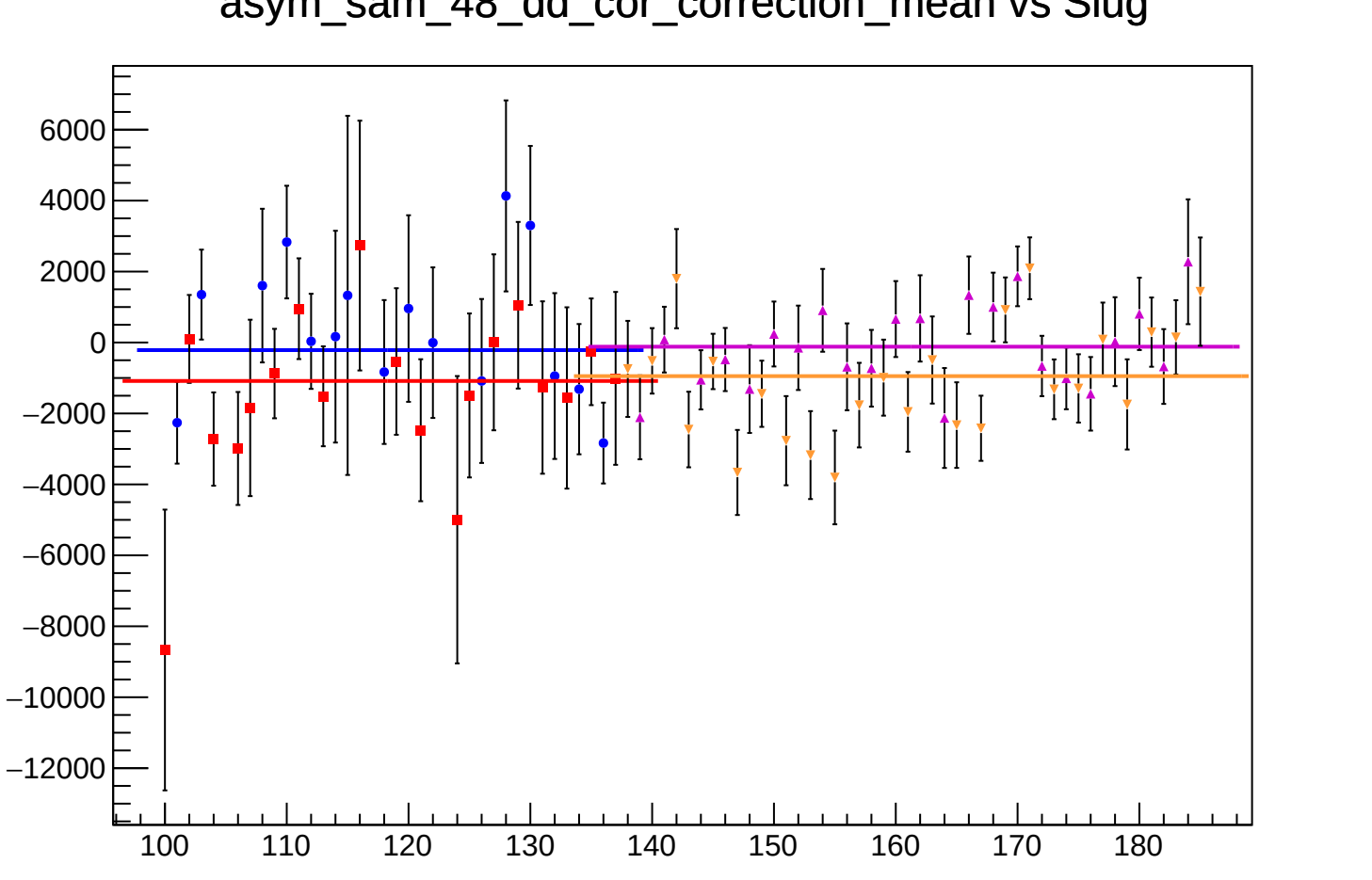
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.074+/-0.017 χ^2/NDF: 1014988.8/40

All: 119.612+/-0.012 χ^2/NDF: 2122868.1/82

- 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: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

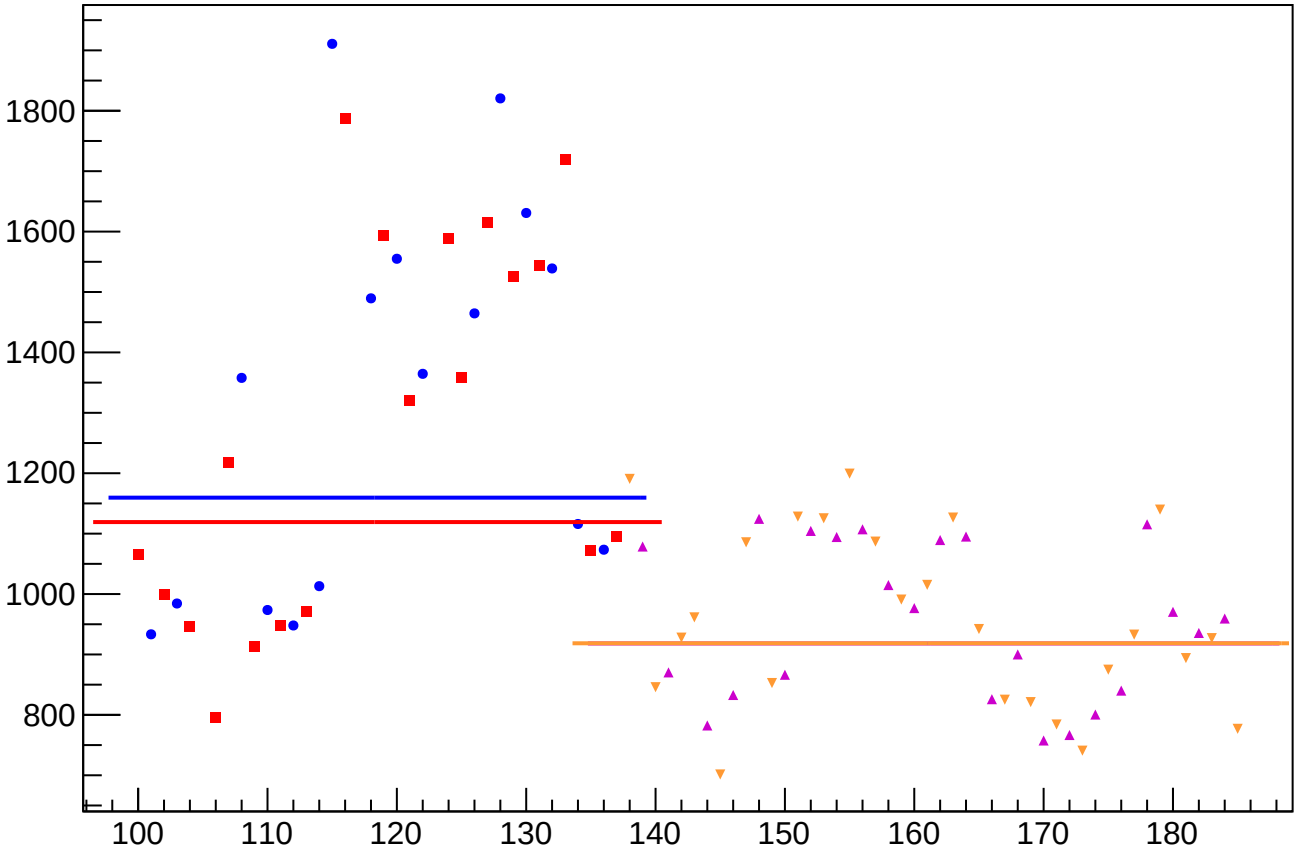
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -811.741+/-191.156 χ^2/NDF: 72.9/40

All: -568.199+/-135.908 χ^2/NDF: 118.6/82

- sign -319.251+/-193.266 χ^2/NDF: 42.4/41

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

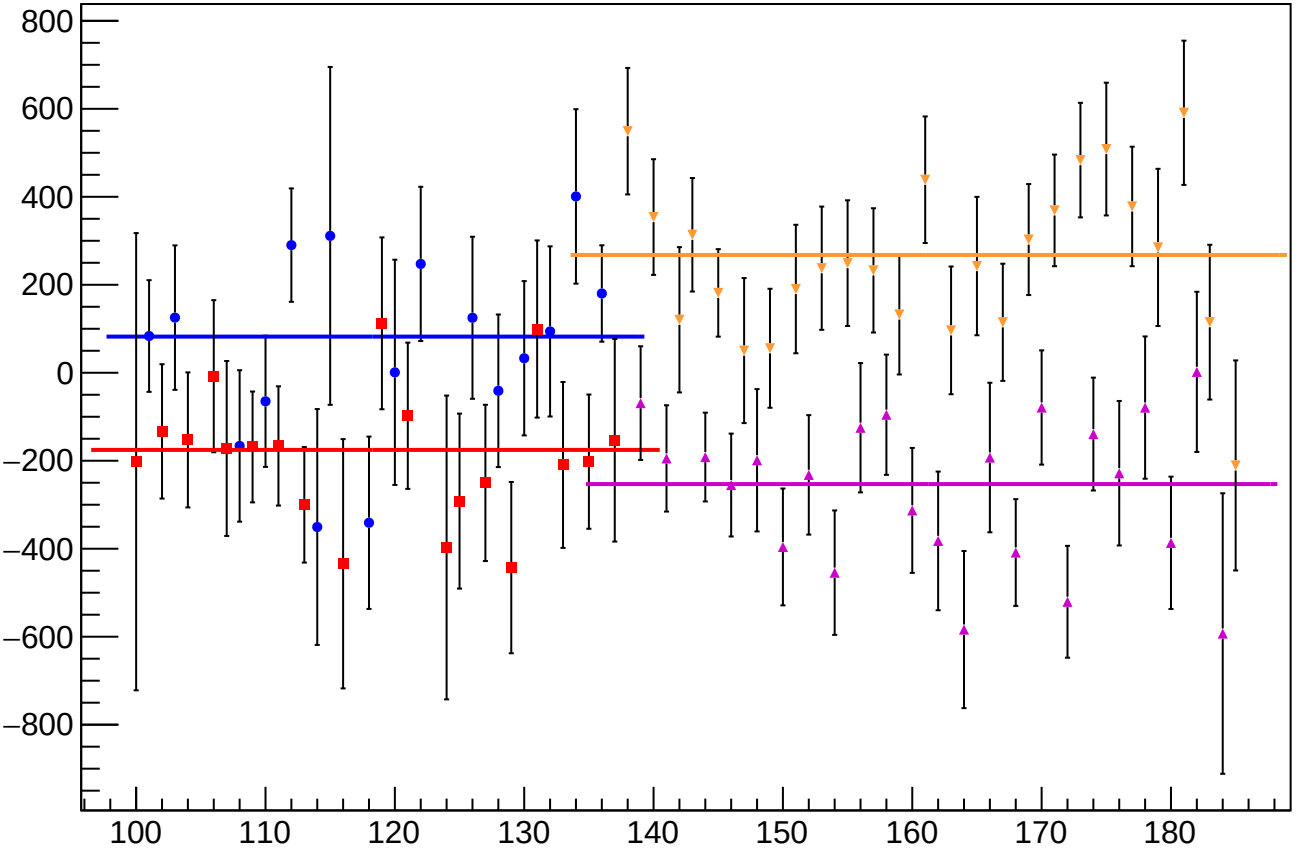
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 963.194+/-0.135 χ^2/NDF: 2051865.2/40

All: 961.618+/-0.096 χ^2/NDF: 3877705.4/82

- 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: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

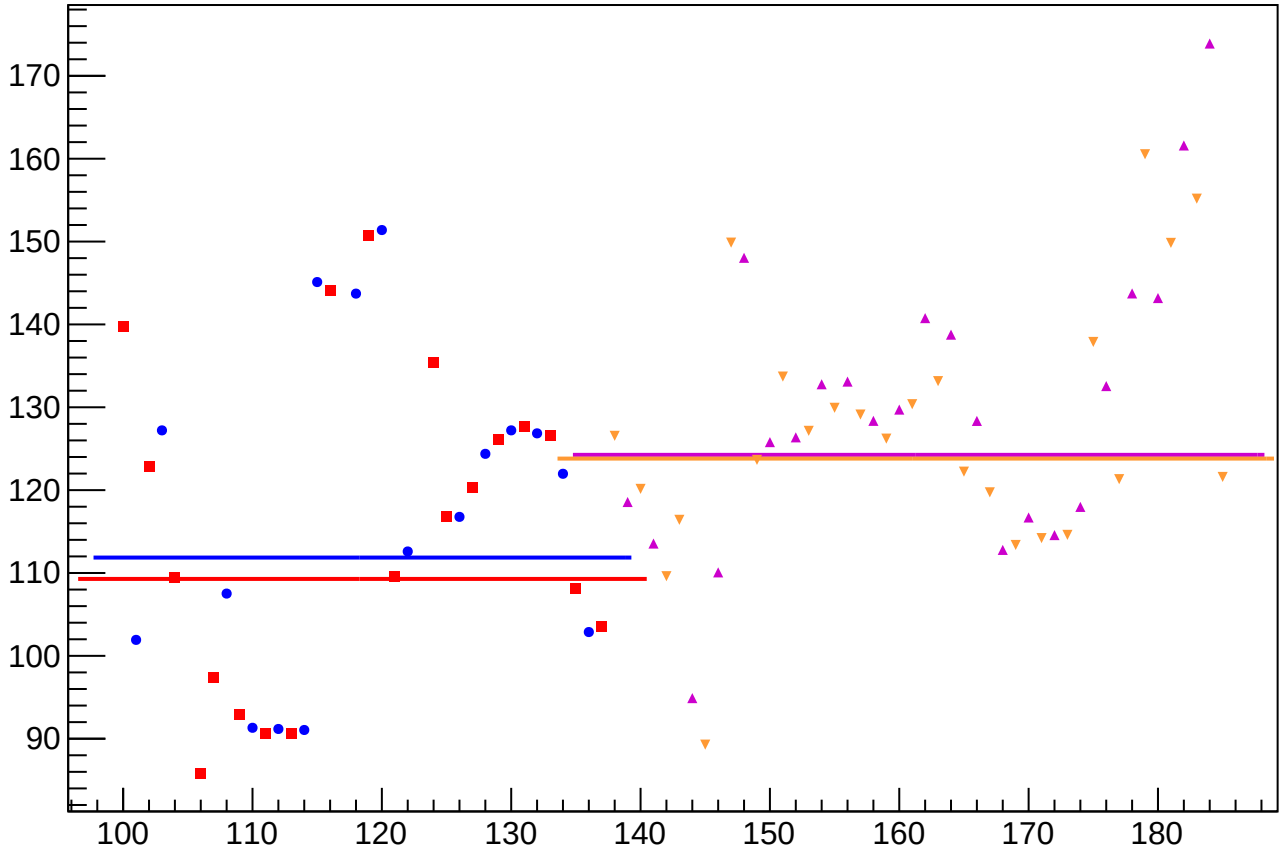
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 209.785+/-23.554 χ^2/NDF: 62.7/40

All: -6.253+/-16.735 χ^2/NDF: 271.1/82

- 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: 123.807+/-0.020 χ^2/NDF:598444.2/24

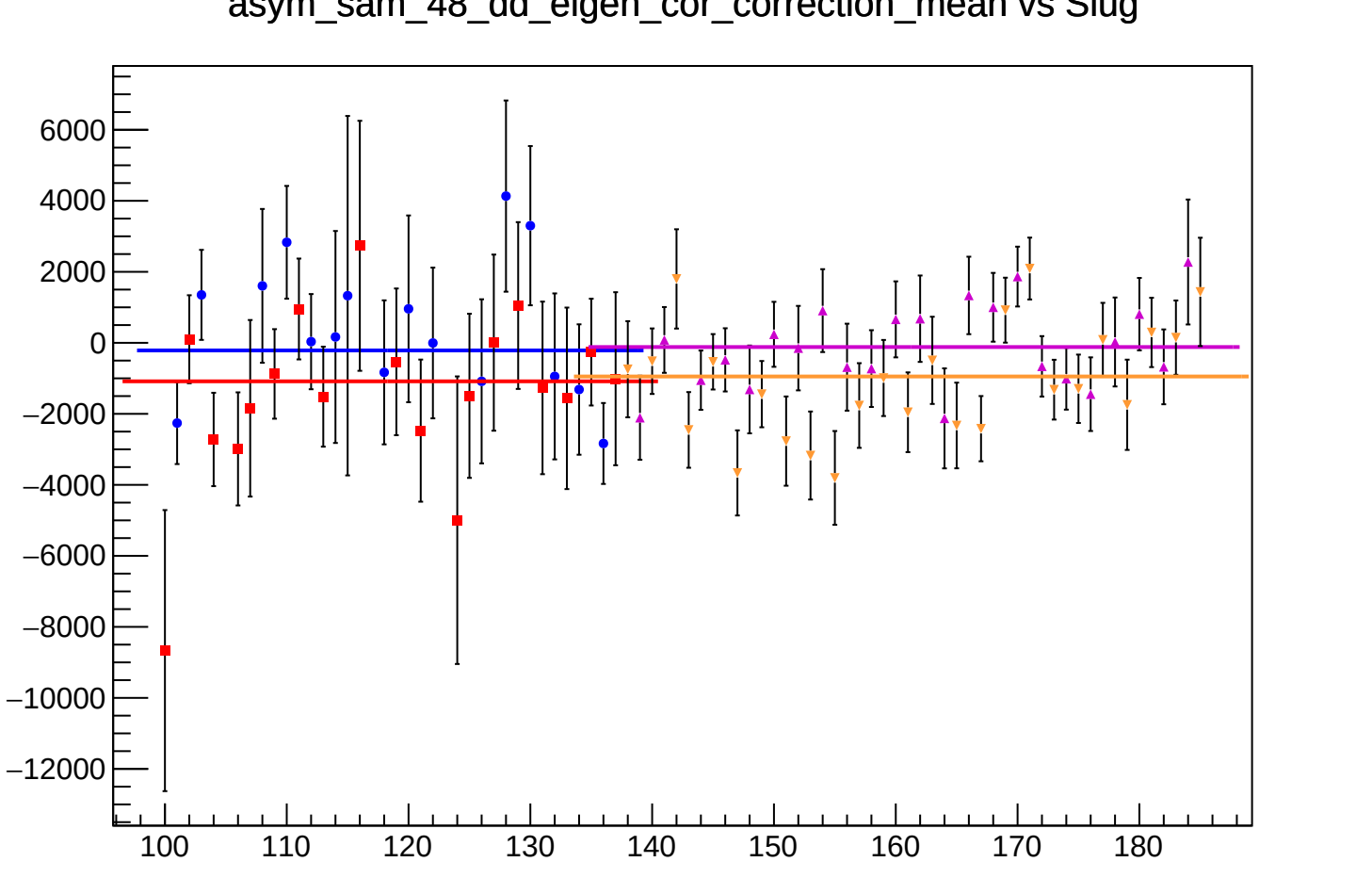
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.074+/-0.017 χ^2/NDF: 1014988.8/40

All: 119.612+/-0.012 χ^2/NDF: 2122868.1/82

- 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: -947.709+/-211.794 χ^2/NDF:50.3/24

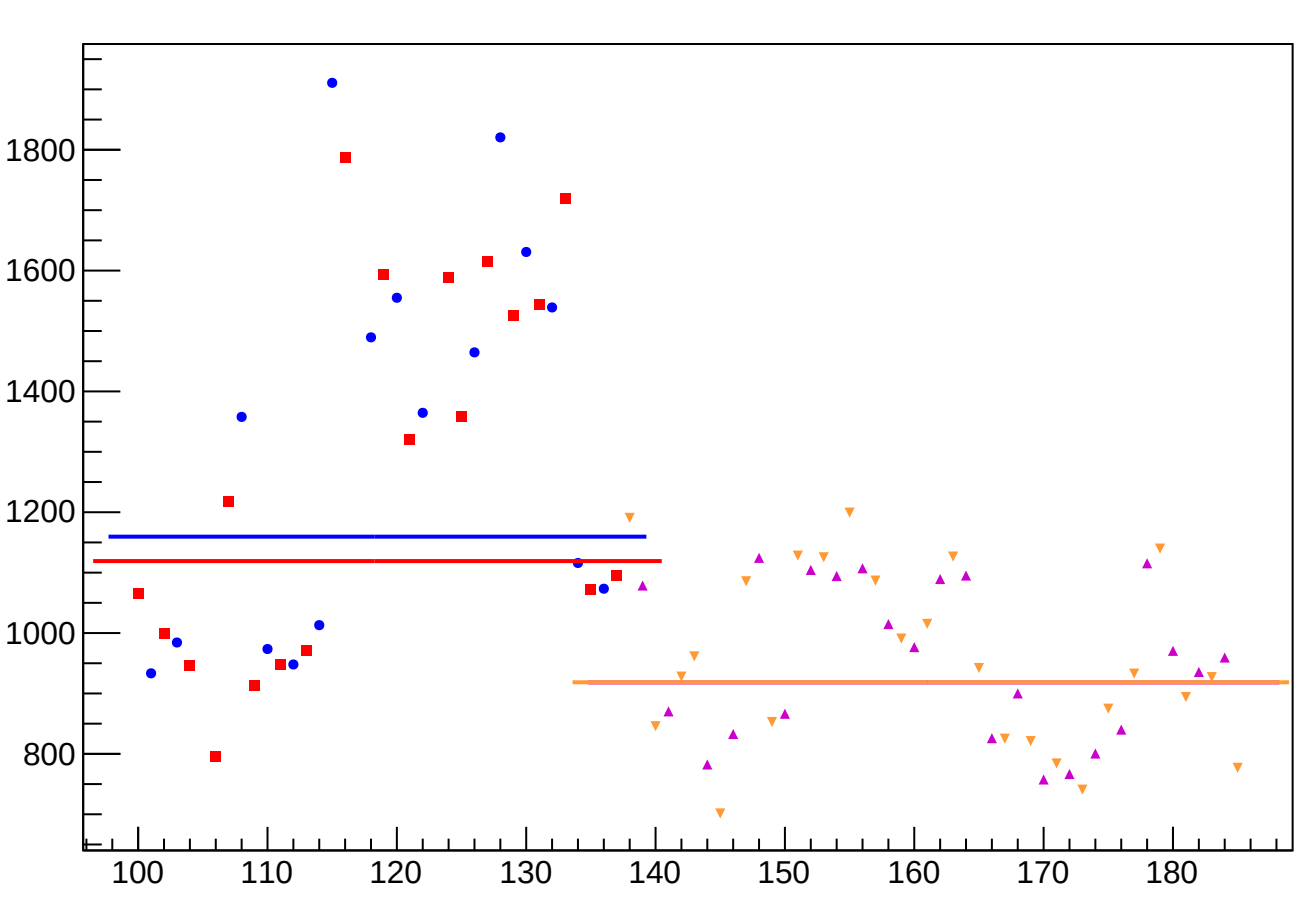
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -811.741+/-191.156 χ^2/NDF: 72.9/40

All: -568.199+/-135.908 χ^2/NDF: 118.6/82

- 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: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

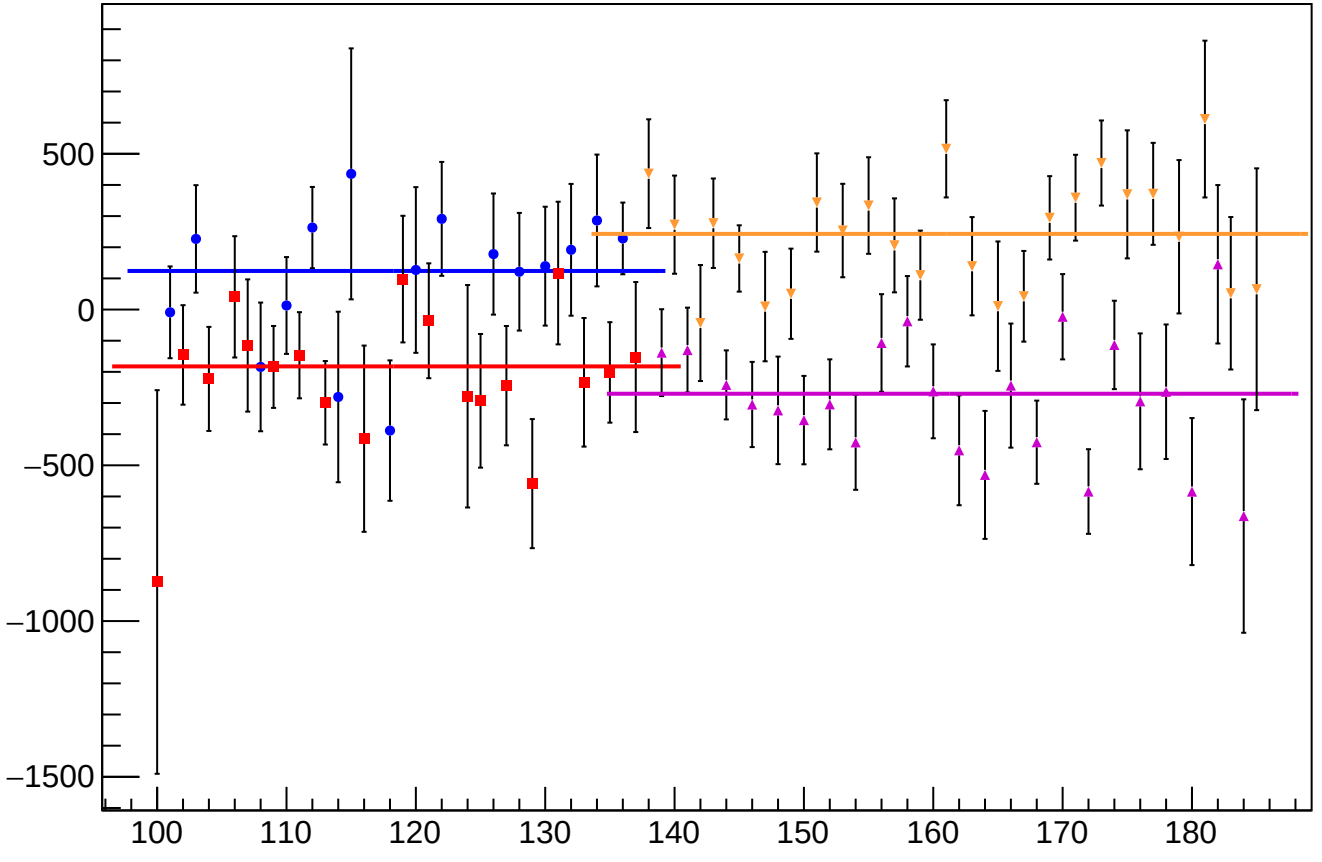
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 963.194+/-0.135 χ^2/NDF: 2051865.2/40

All: 961.618+/-0.096 χ^2/NDF: 3877705.4/82

- 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: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

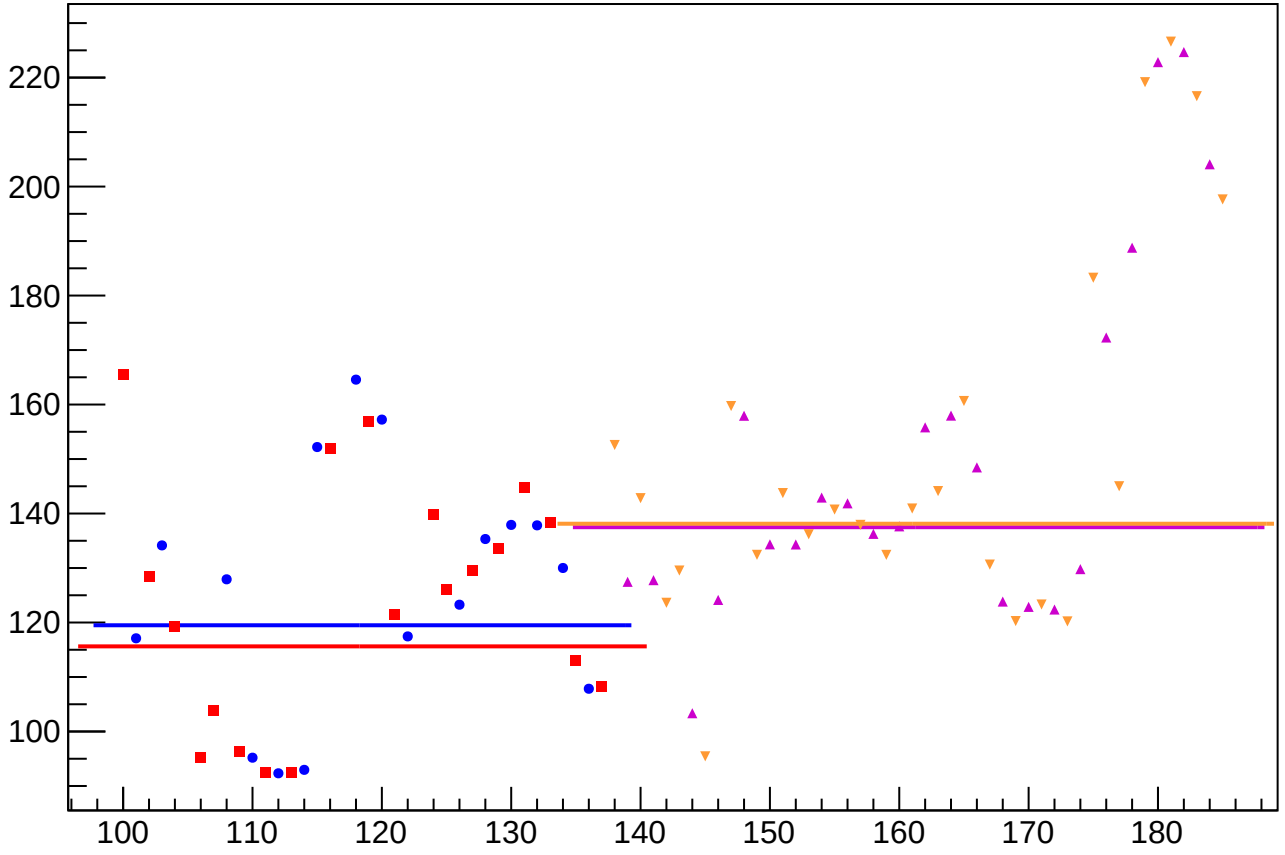
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 202.976+/-26.200 χ^2/NDF: 43.7/40

All: -17.741+/-18.518 χ^2/NDF: 227.1/82

- 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: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

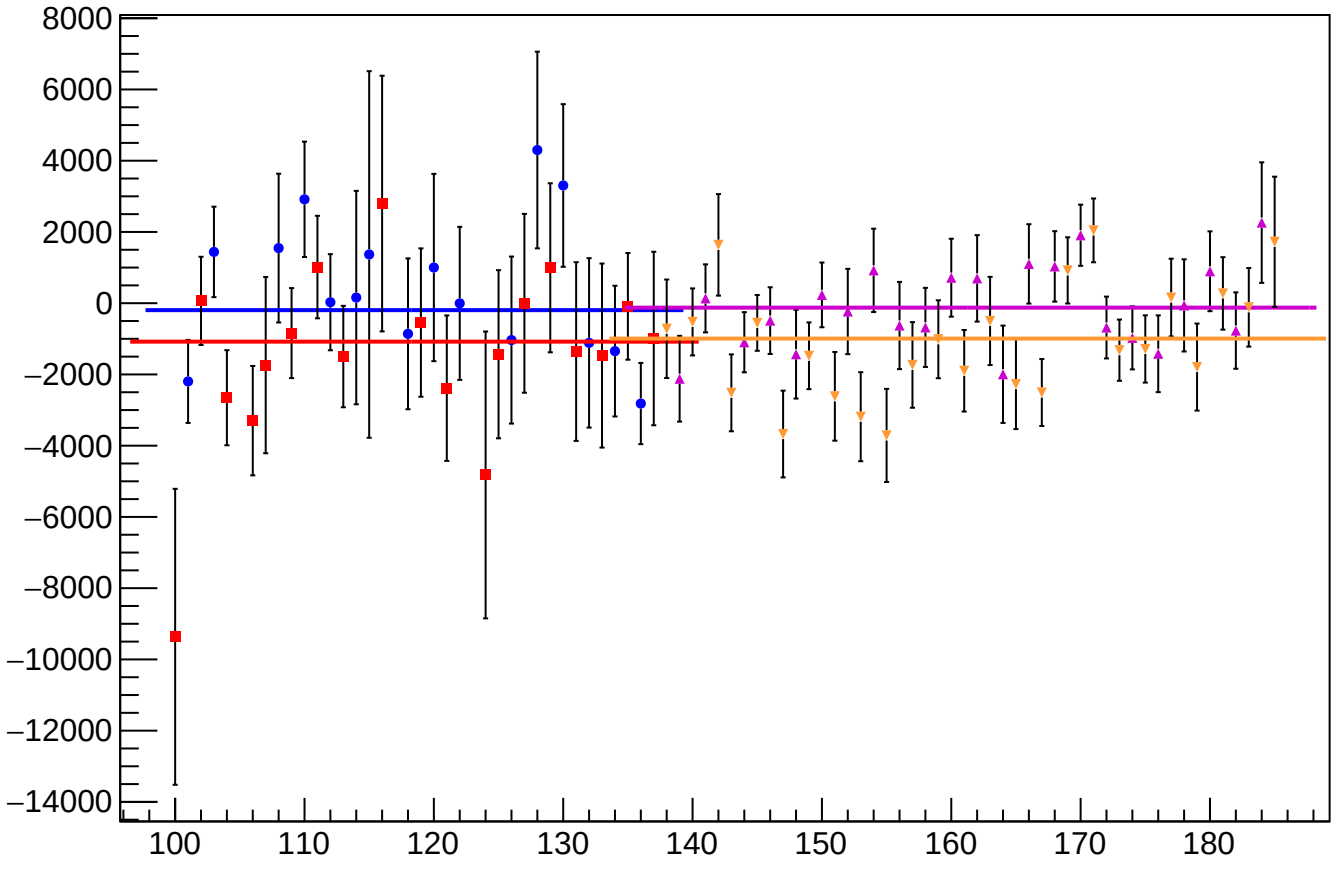
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 131.878+/-0.019 χ^2/NDF: 1944045.6/40

All: 130.673+/-0.013 χ^2/NDF: 3813006.5/82

- sign 129.471+/-0.019 χ^2/NDF: 1860516.9/41

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

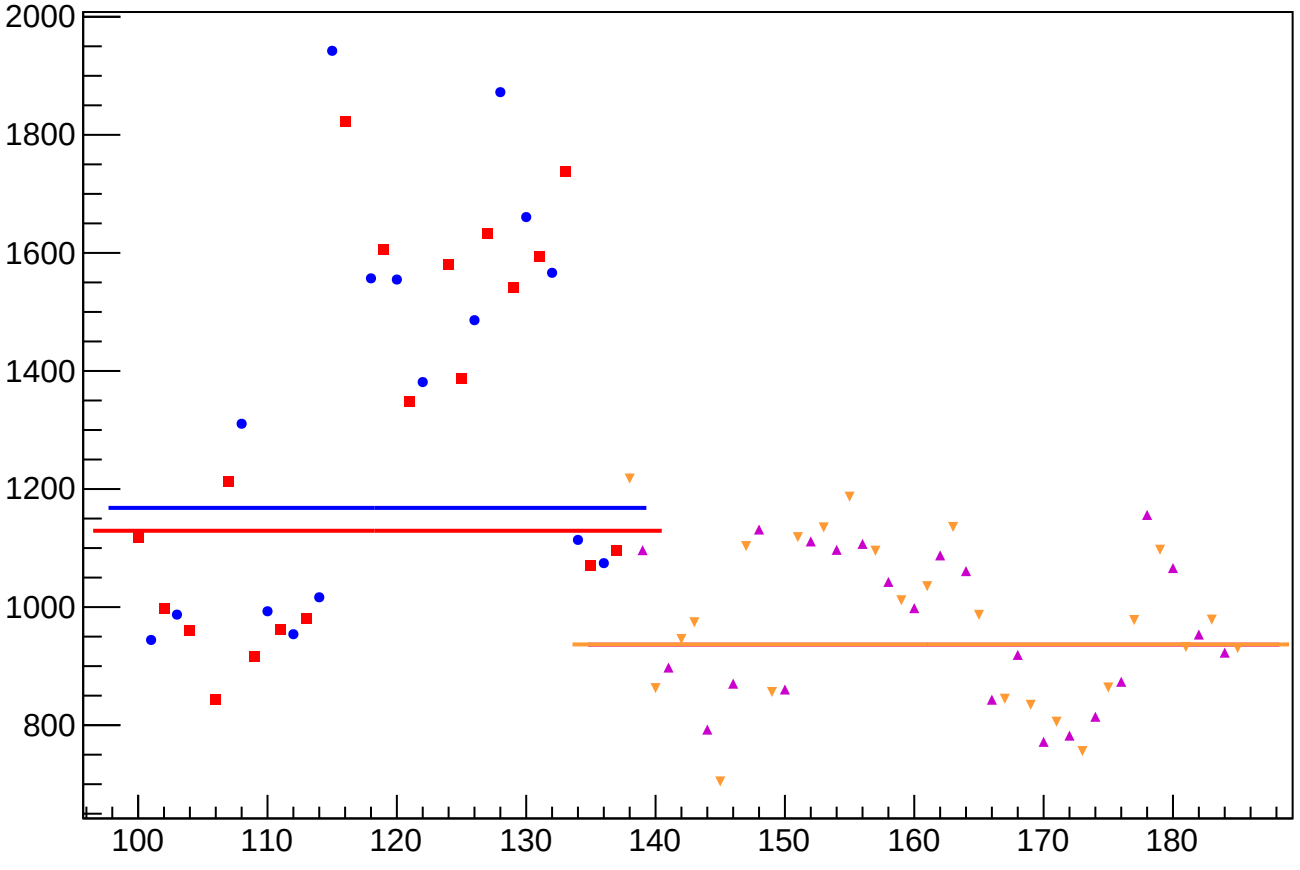
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

\+ sign -842.723+/-194.257 χ^2/NDF: 69.9/40

All: -588.139+/-138.120 χ^2/NDF: 115.8/82

\- 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: 936.743+/-0.152 χ^2/NDF:832449.3/24

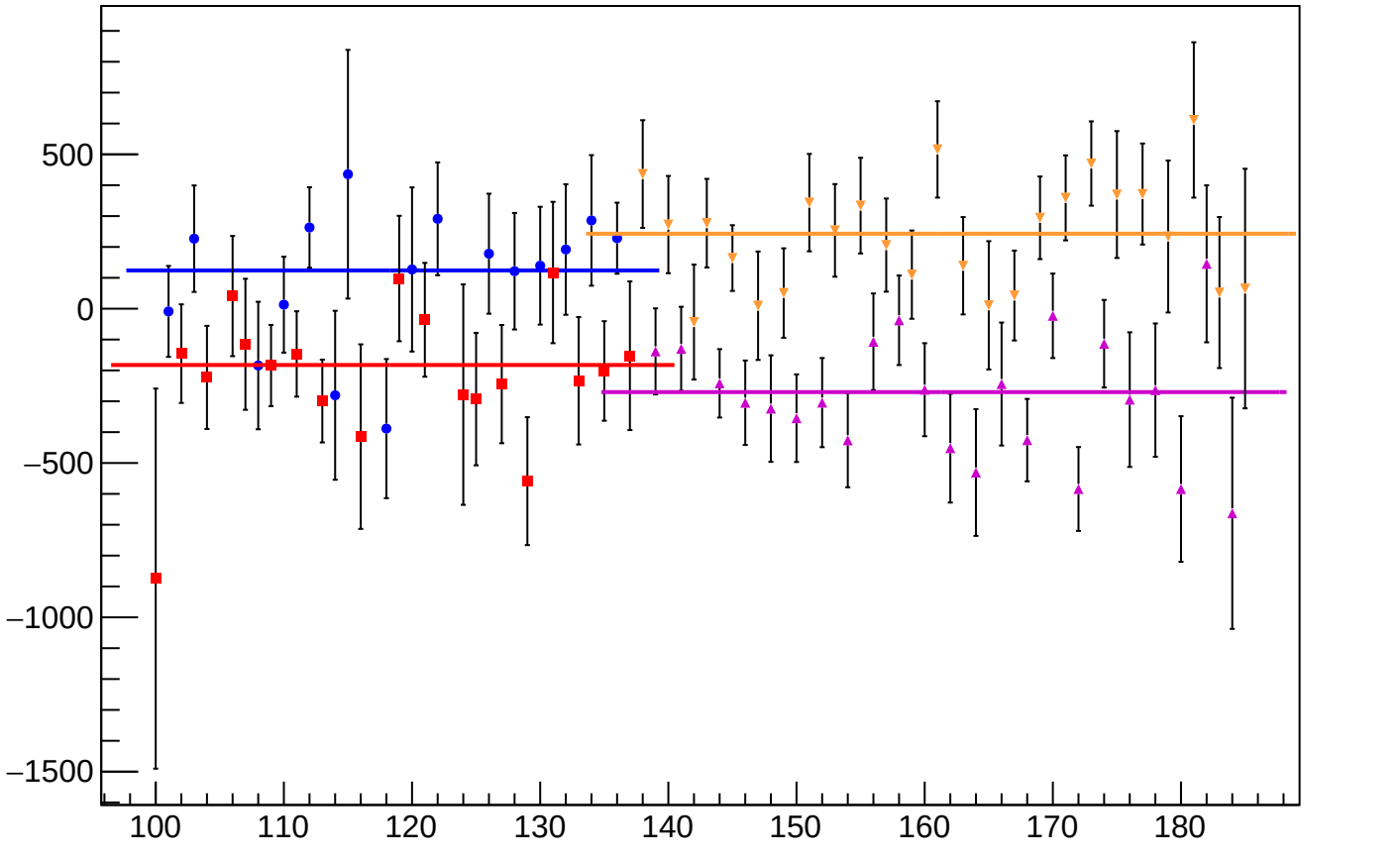
Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

\+ sign 980.365+/-0.137 χ^2/NDF: 1975760.6/40

All: 978.904+/-0.098 χ^2/NDF: 3749037.8/82

\- sign 977.409+/-0.139 χ^2/NDF: 1773048.2/41



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

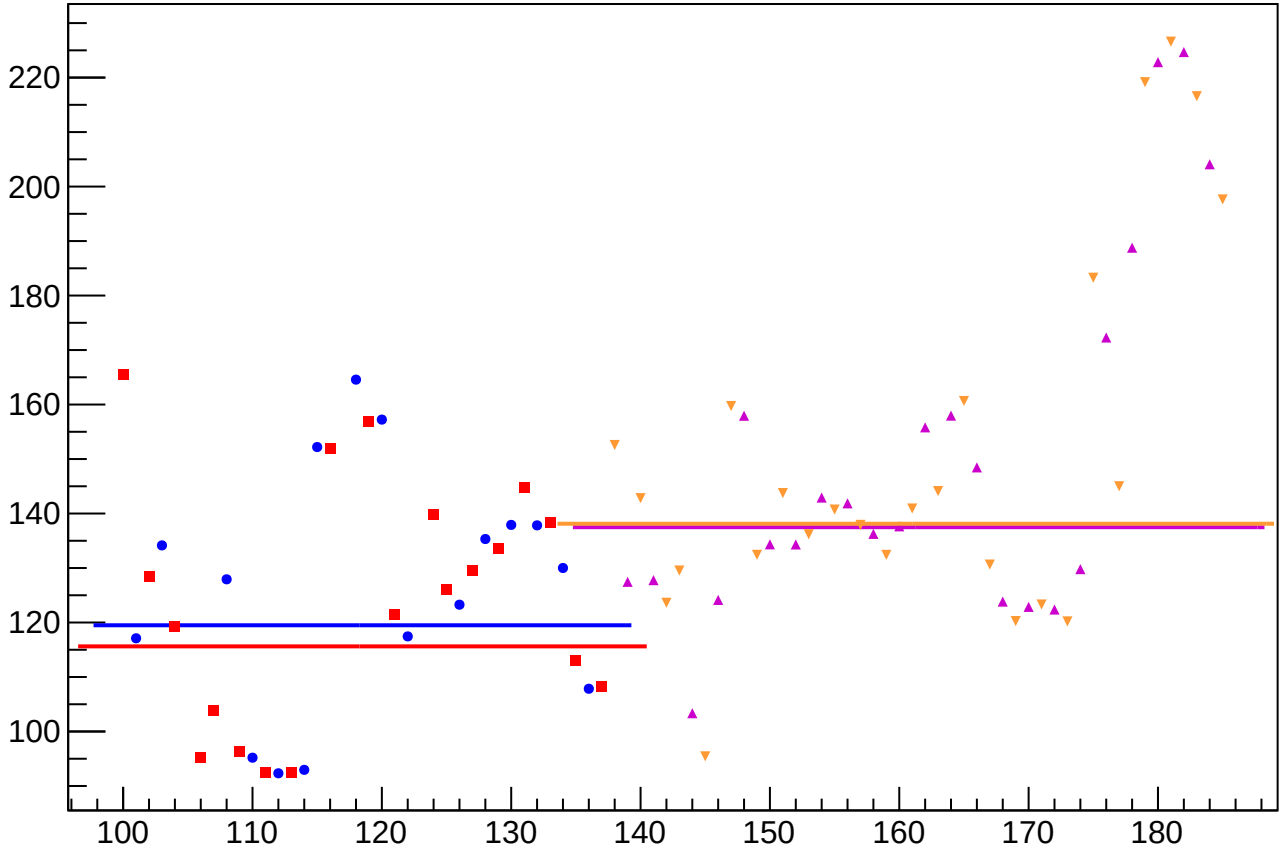
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 202.978+/-26.200 χ^2/NDF: 43.7/40

All: -17.740+/-18.518 χ^2/NDF: 227.1/82

- 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: 138.127+/-0.023 χ^2/NDF:1338311.7/24

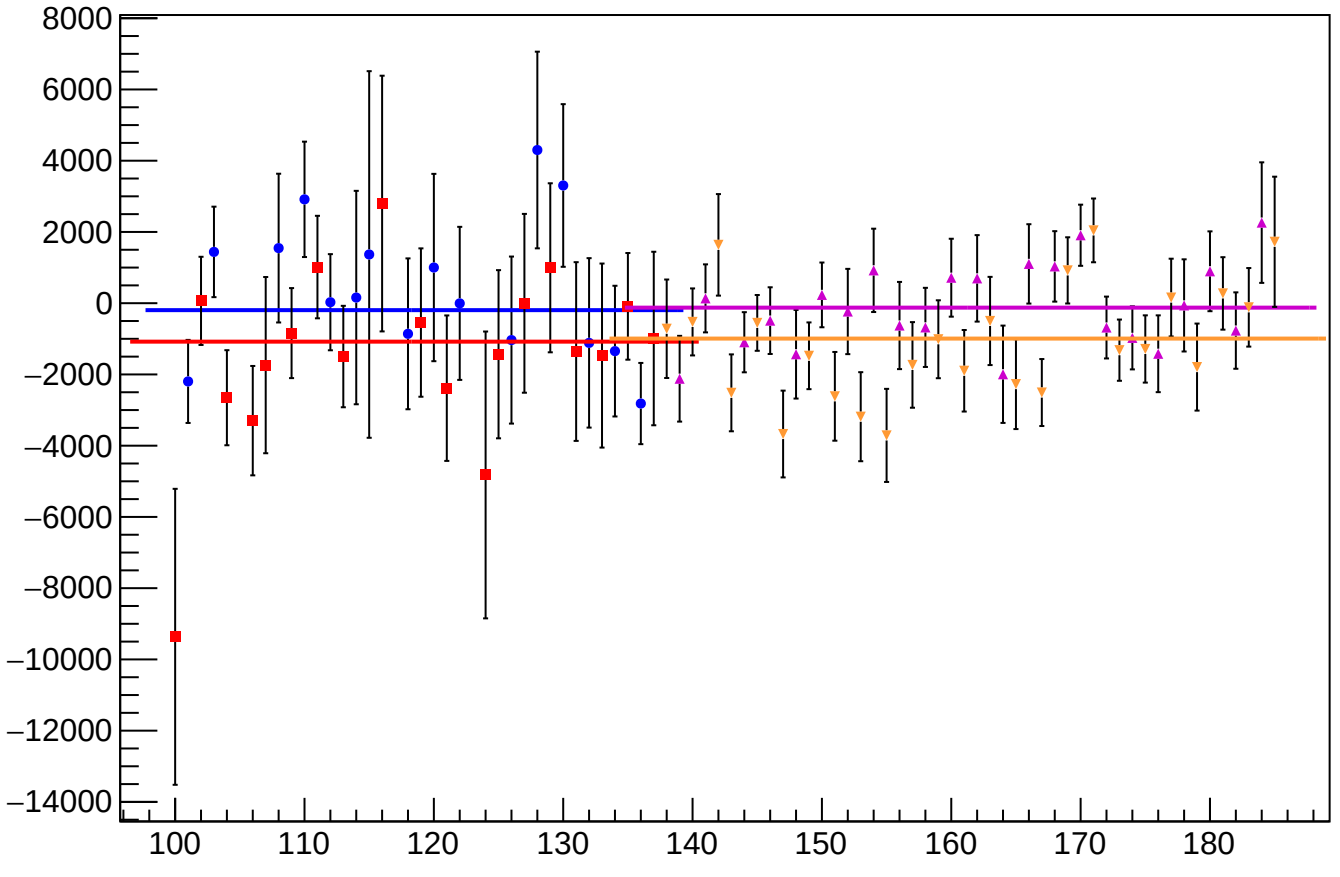
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

\+ sign 131.878+/-0.019 χ^2/NDF: 1944051.7/40

All: 130.673+/-0.013 χ^2/NDF: 3813004.8/82

\- 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: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

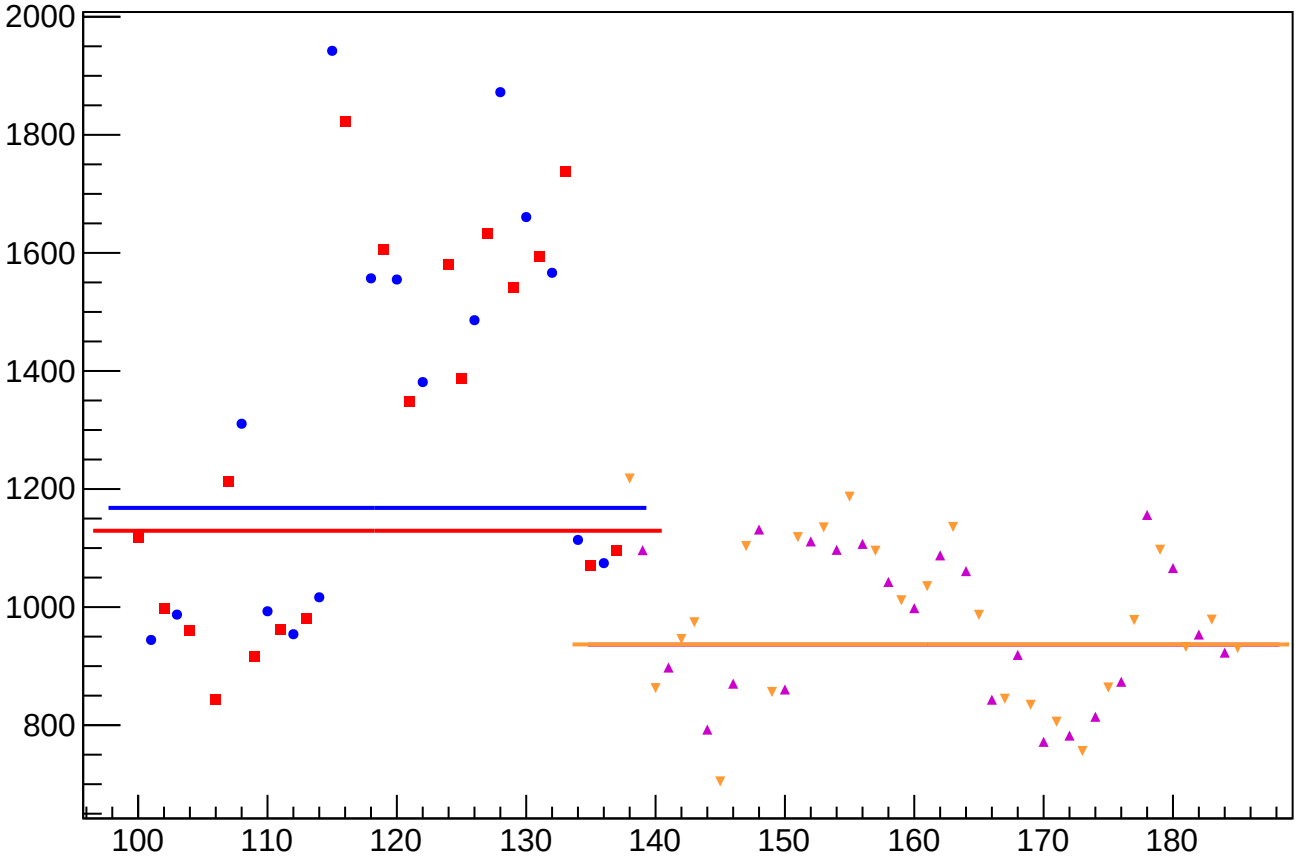
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -842.722+/-194.257 χ^2/NDF: 69.9/40

All: -588.137+/-138.120 χ^2/NDF: 115.8/82

- 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: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

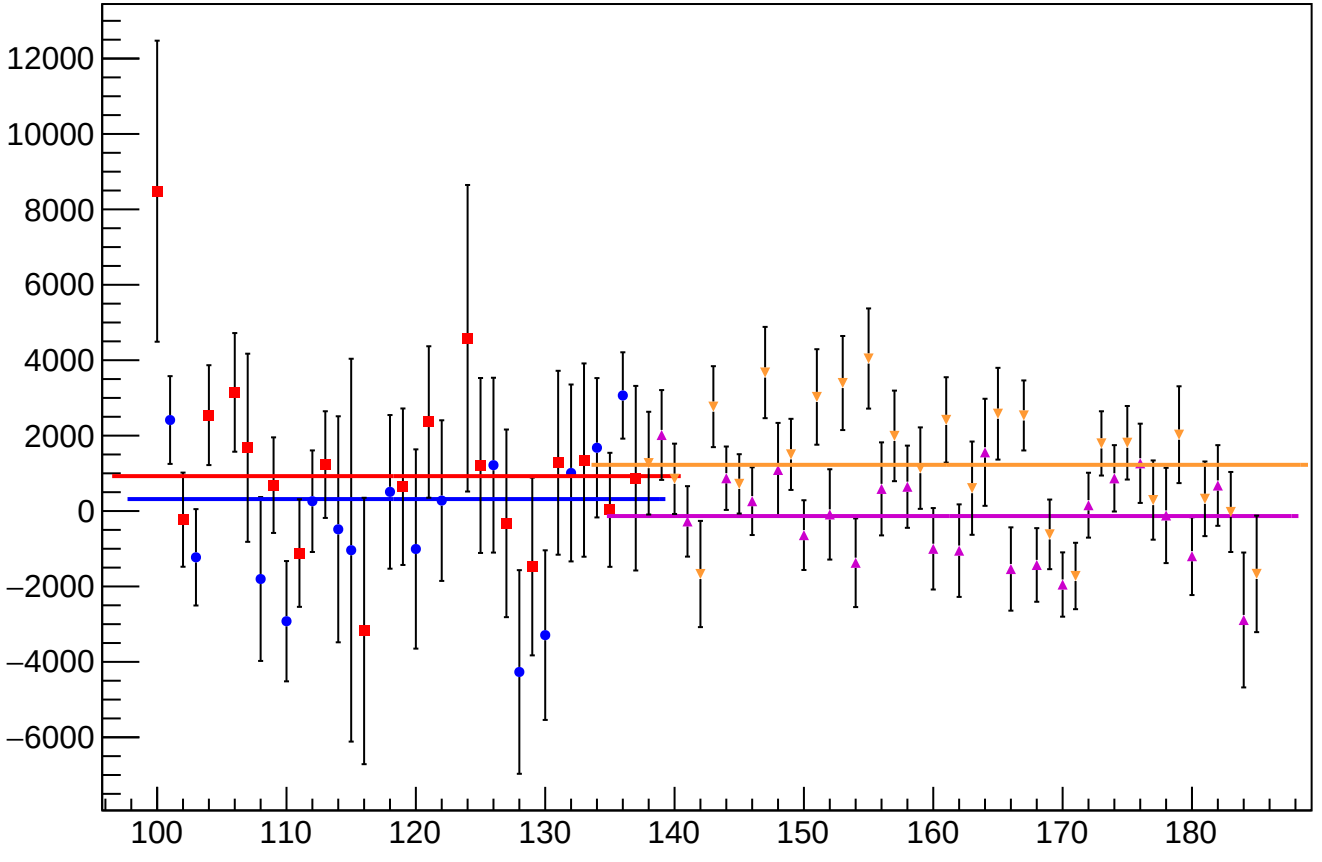
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

\+ sign 980.364+/-0.137 χ^2/NDF: 1975769.1/40

All: 978.903+/-0.098 χ^2/NDF: 3749048.8/82

\- 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: 1225.521+/-213.843 χ^2/NDF:48.5/24

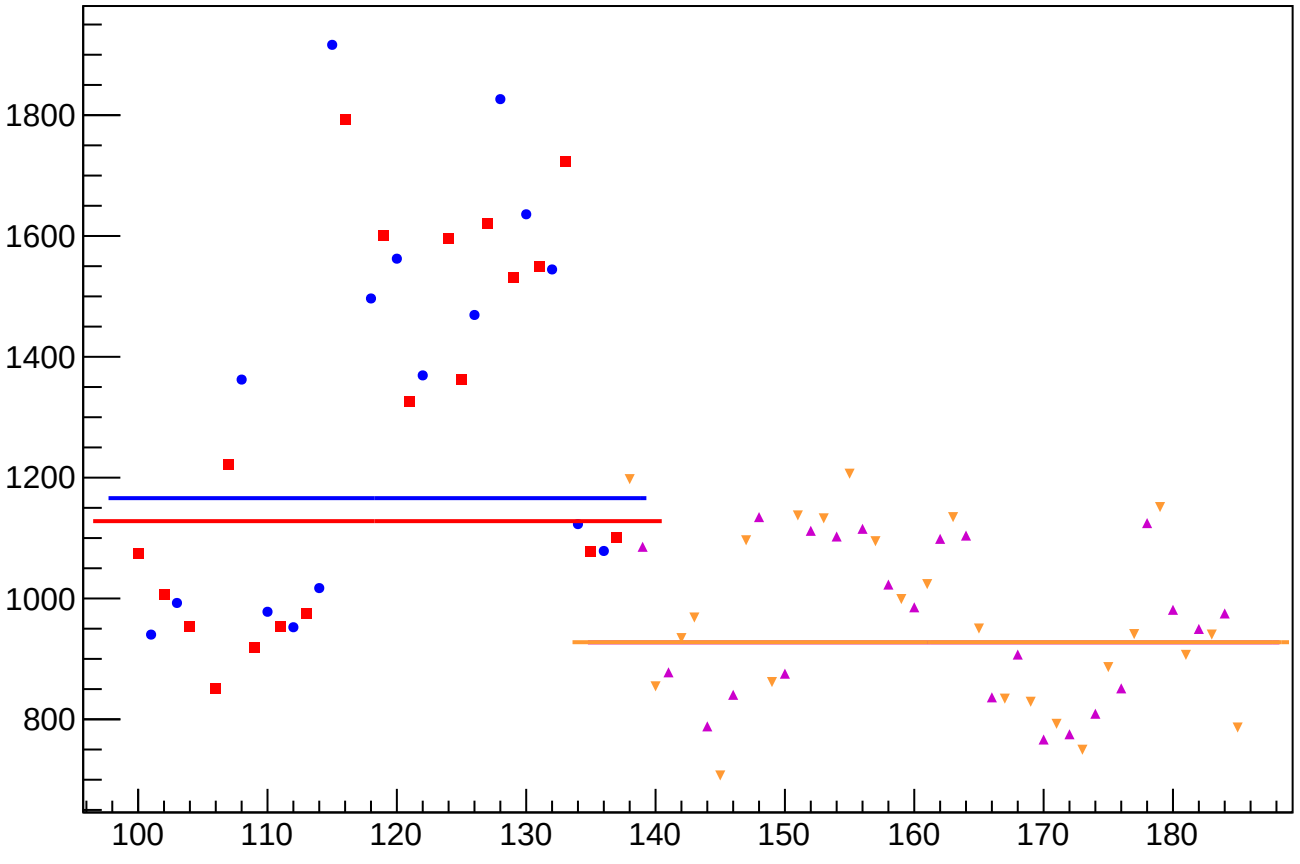
Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

\+ sign 1055.980+/-192.852 χ^2/NDF: 74.0/40

All: 577.838+/-137.088 χ^2/NDF: 131.7/82

\- sign 89.446+/-194.908 χ^2/NDF: 45.3/41



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

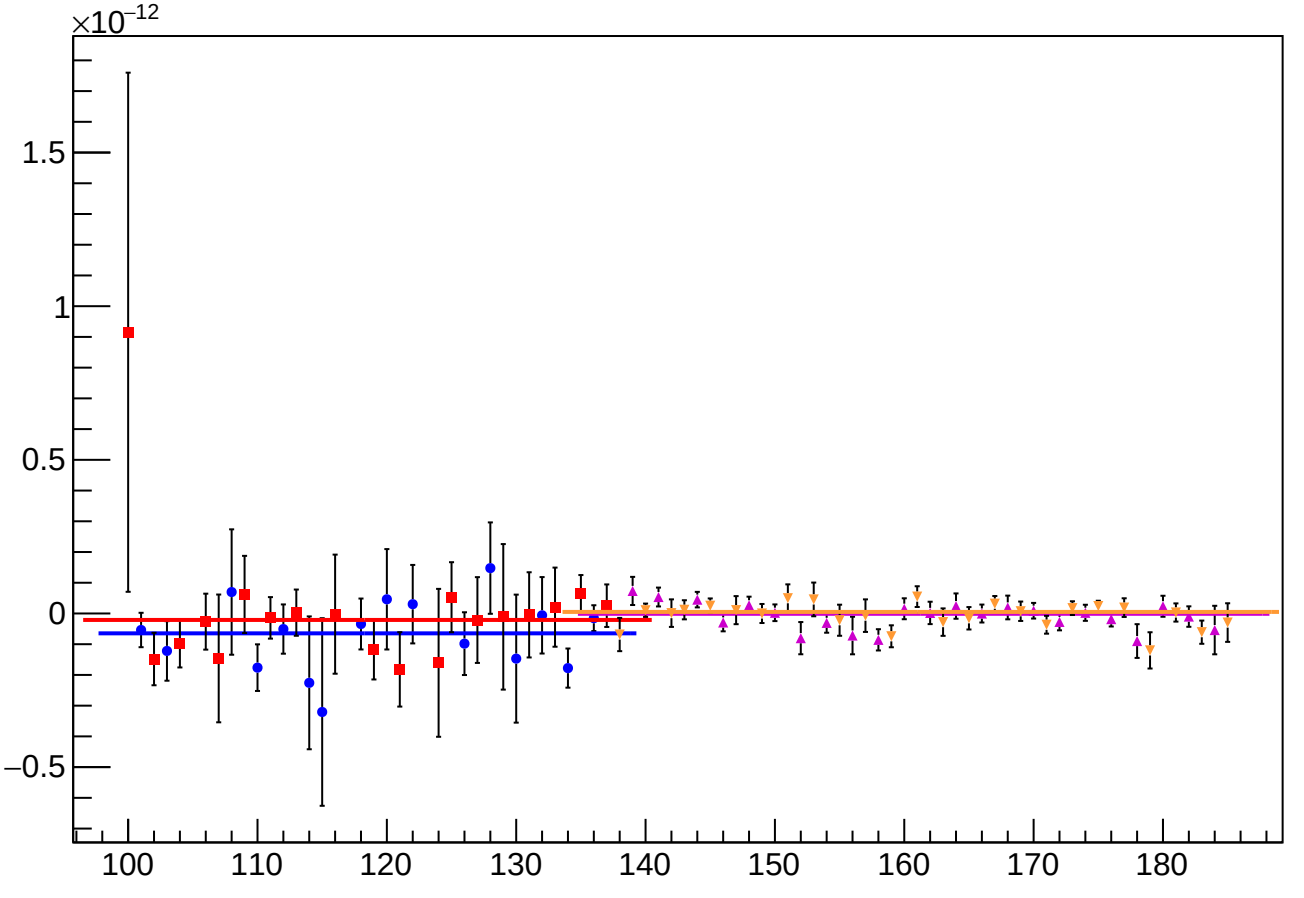
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 972.125+/-0.136 χ^2/NDF: 2016425.8/40

All: 970.801+/-0.097 χ^2/NDF: 3800587.1/82

- 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:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

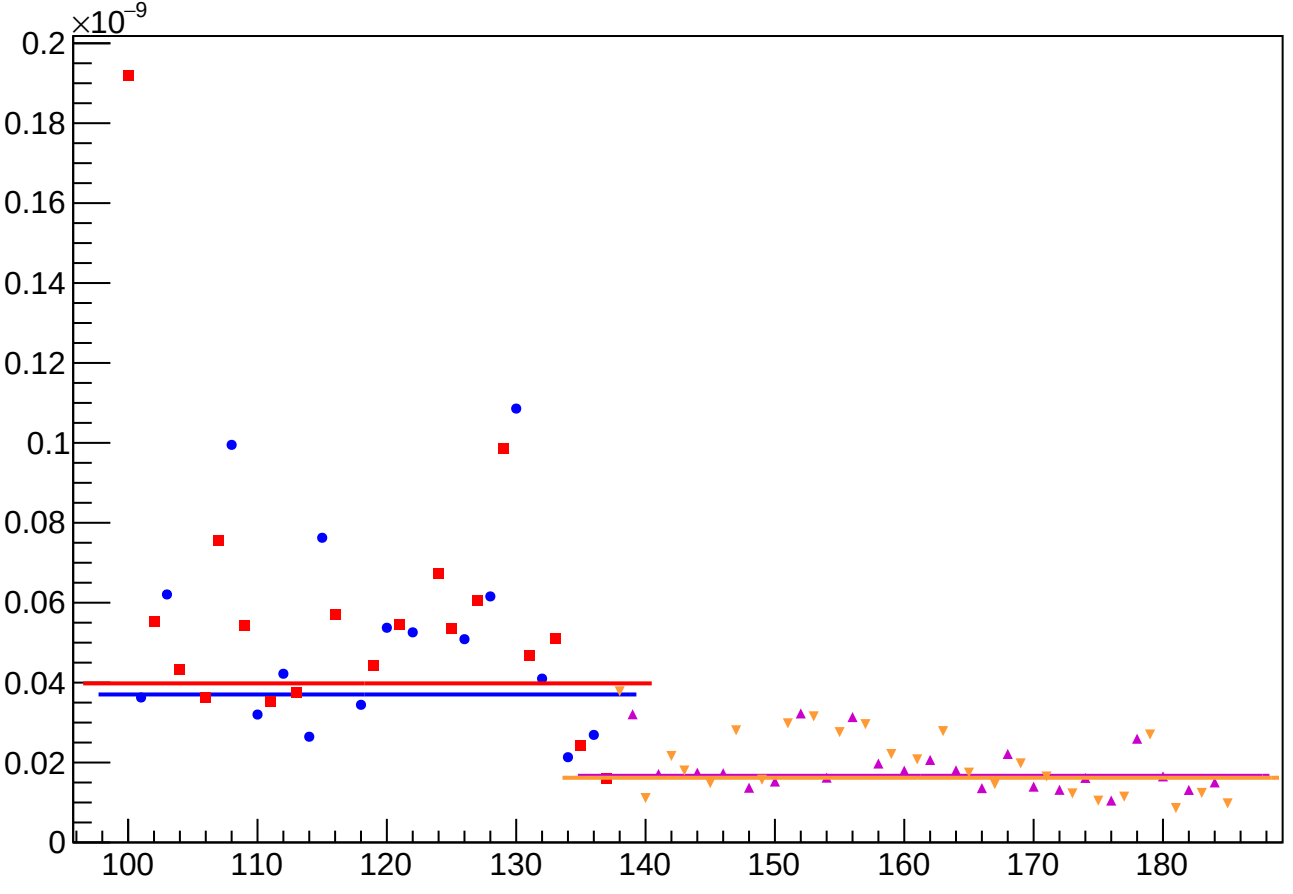
Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.3/40

All: -0.000+/-0.000 χ^2/NDF: 87.2/82

- sign -0.000+/-0.000 χ^2/NDF: 39.9/41

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

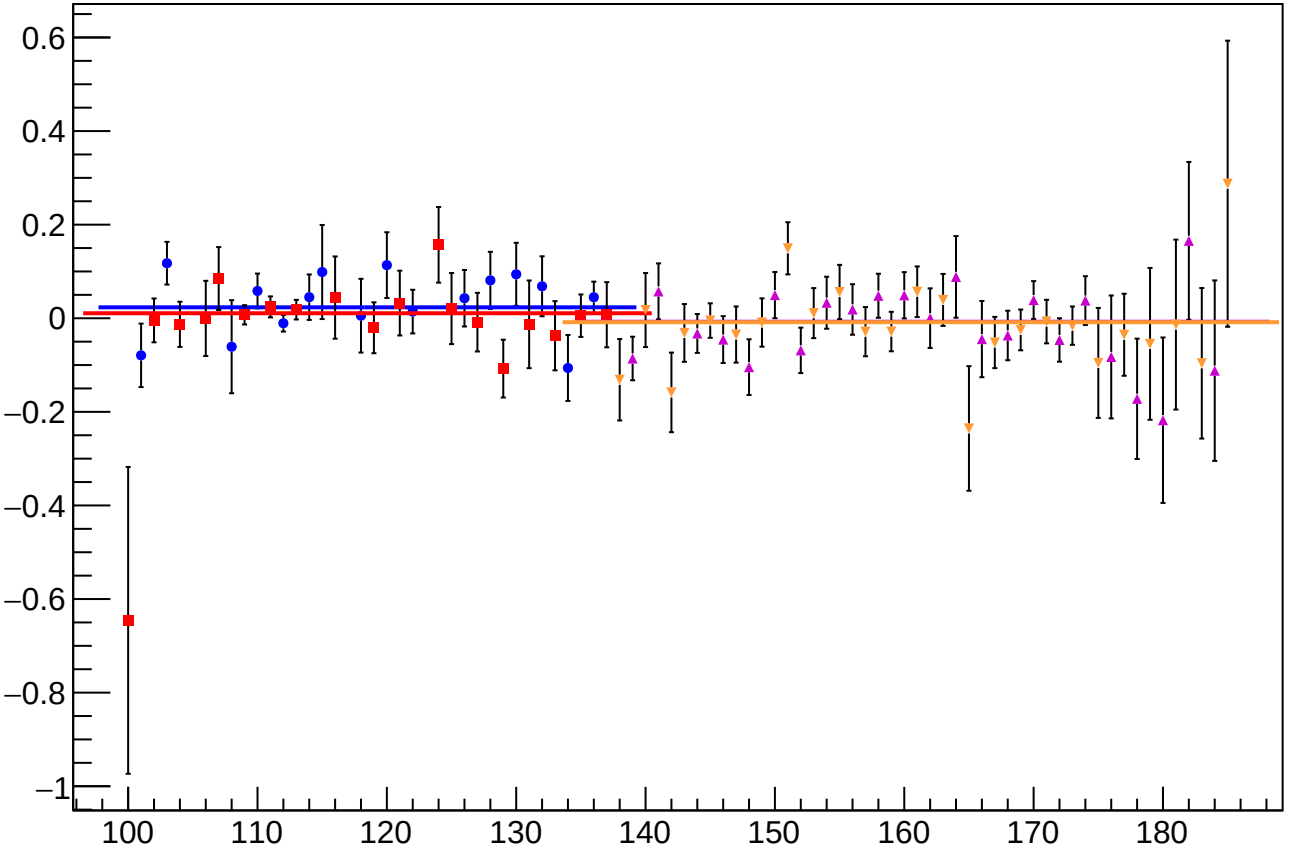
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4683172.0/40

All: 0.000+/-0.000 χ^2/NDF: 8370562.8/82

- 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: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

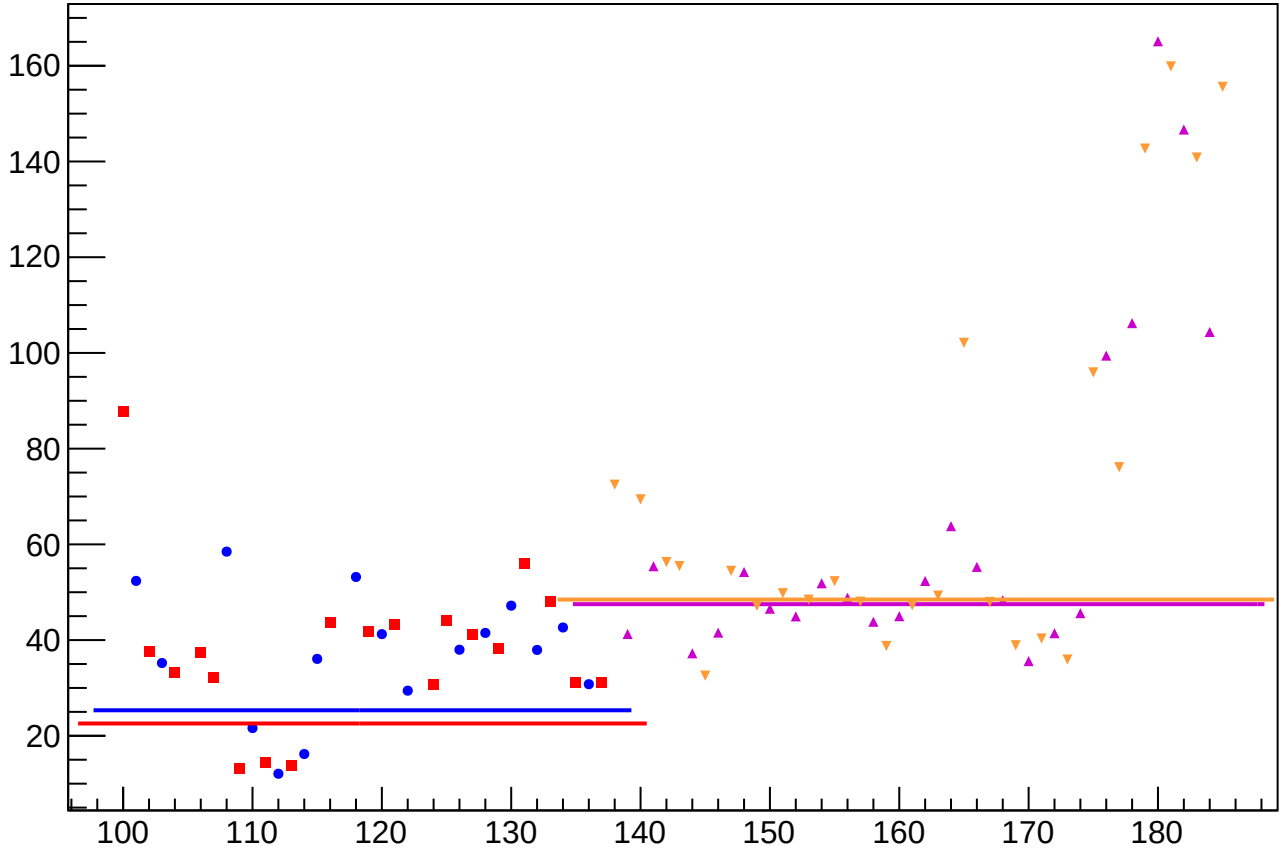
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 47.7/40

All: 0.006+/-0.006 χ^2/NDF: 86.8/82

- 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: 48.471+/-0.008 χ^2/NDF:4373812.0/24

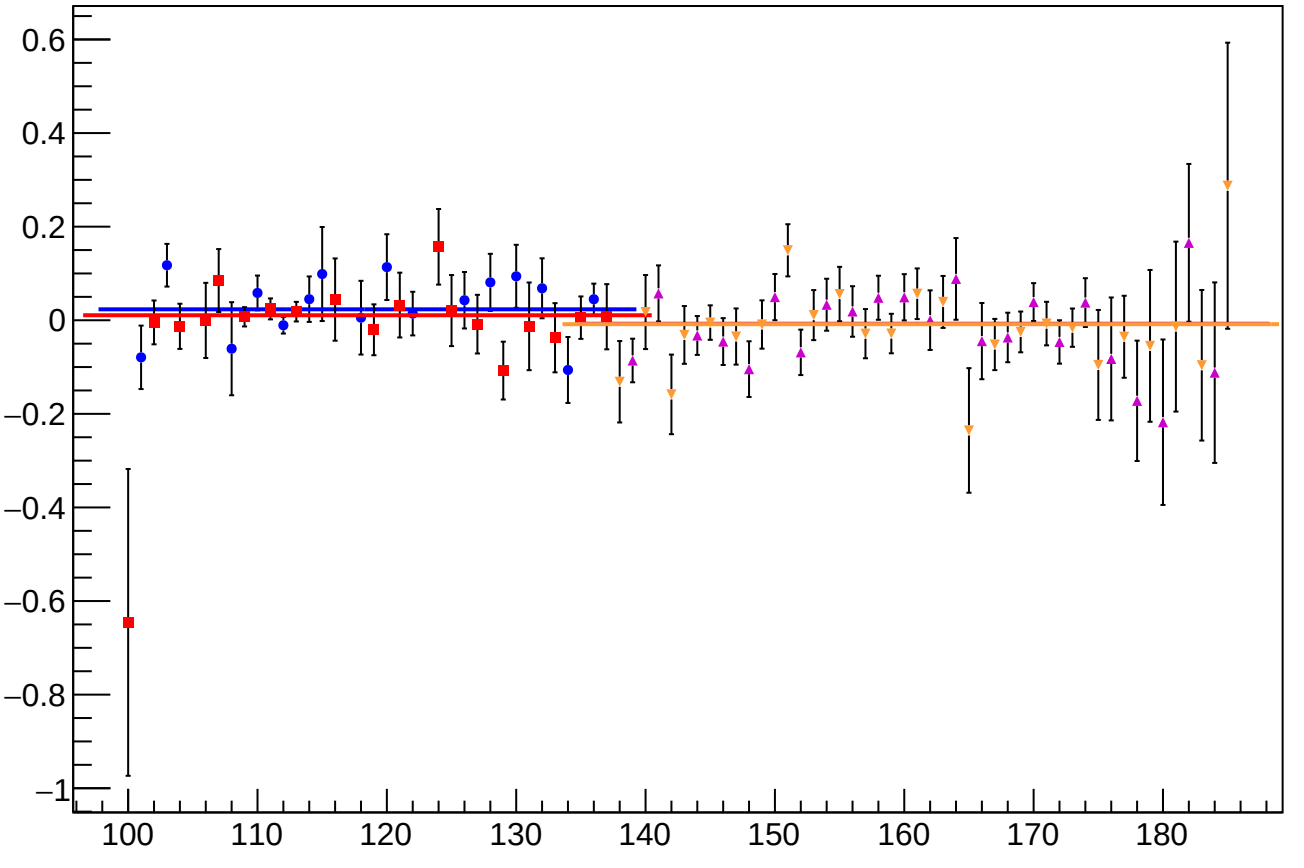
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 35.963+/-0.006 χ^2/NDF: 11313616.2/40

All: 34.123+/-0.004 χ^2/NDF: 22882618.6/82

- 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: -0.008+/-0.012 χ^2/NDF:23.2/24

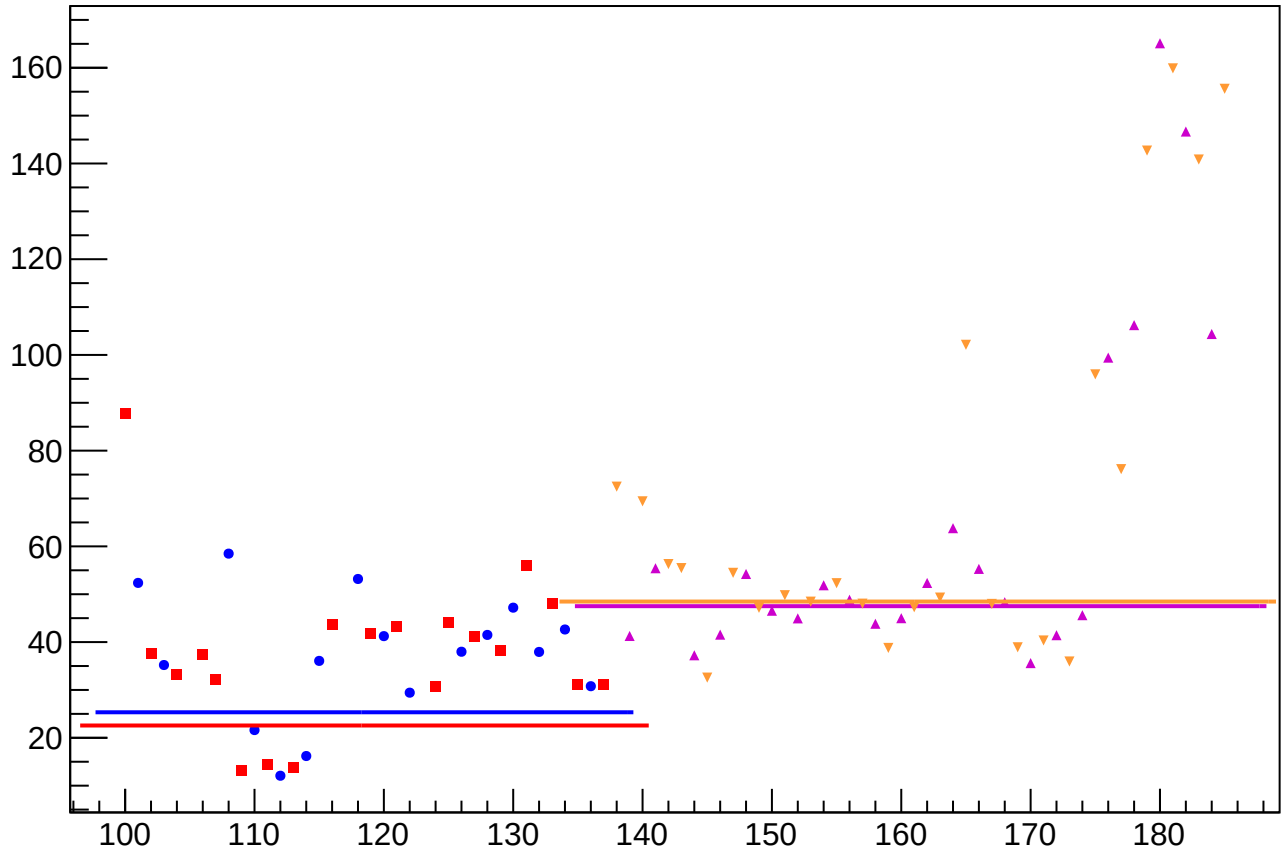
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 47.7/40

All: 0.006+/-0.006 χ^2/NDF: 86.8/82

- 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: 48.471+/-0.008 χ^2/NDF:4373812.0/24

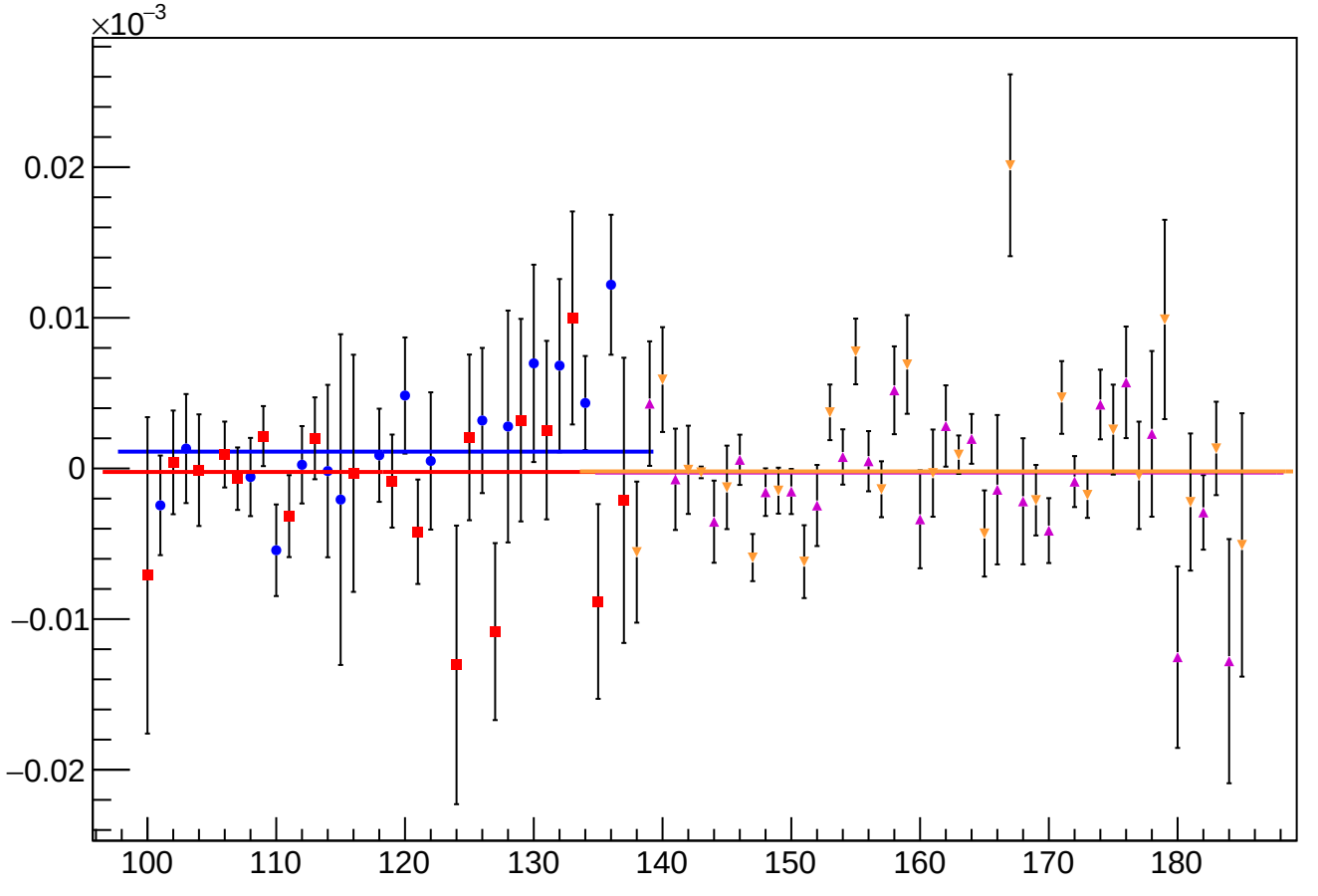
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 35.963+/-0.006 χ^2/NDF: 11313616.2/40

All: 34.123+/-0.004 χ^2/NDF: 22882618.6/82

- 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:71.7/24

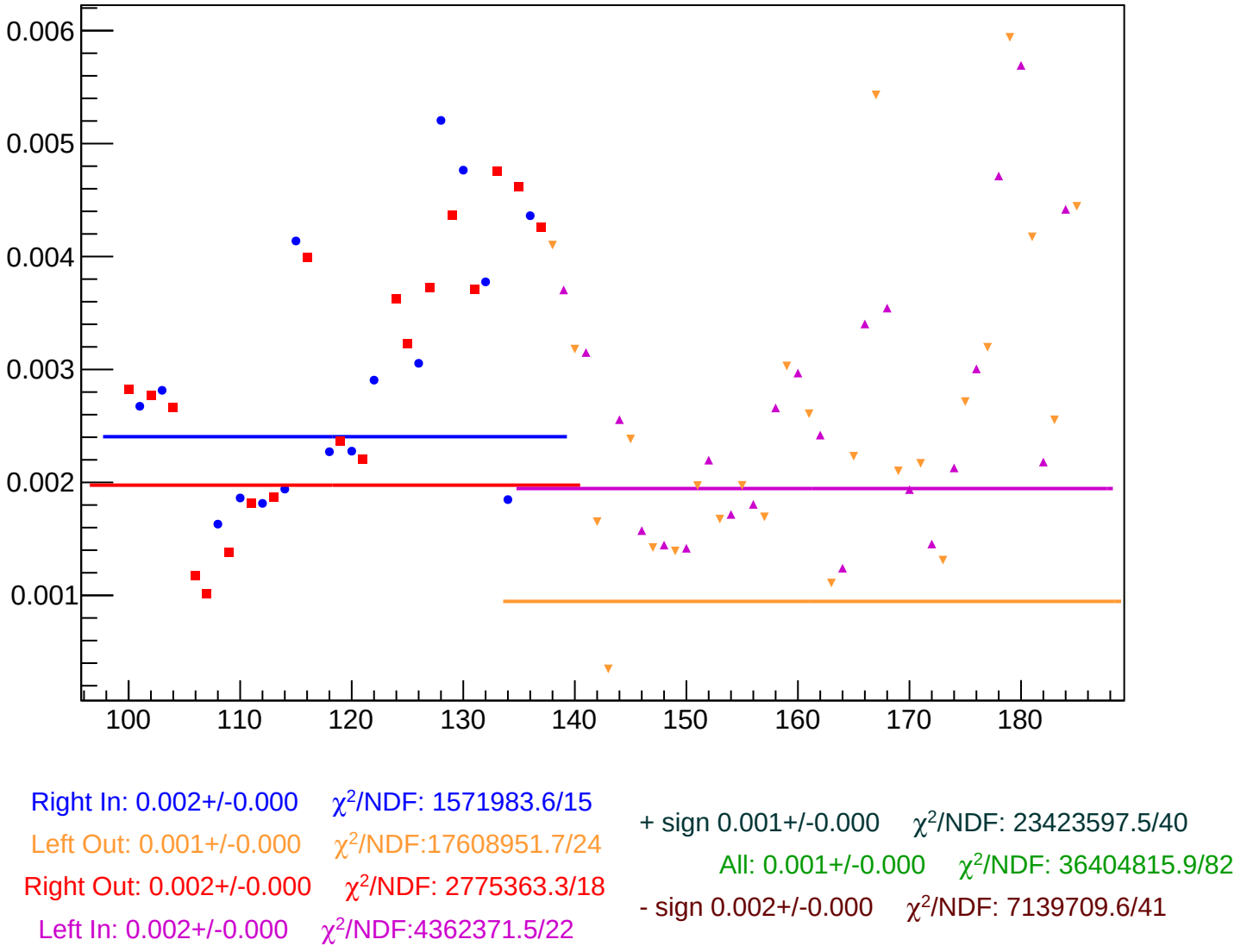
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

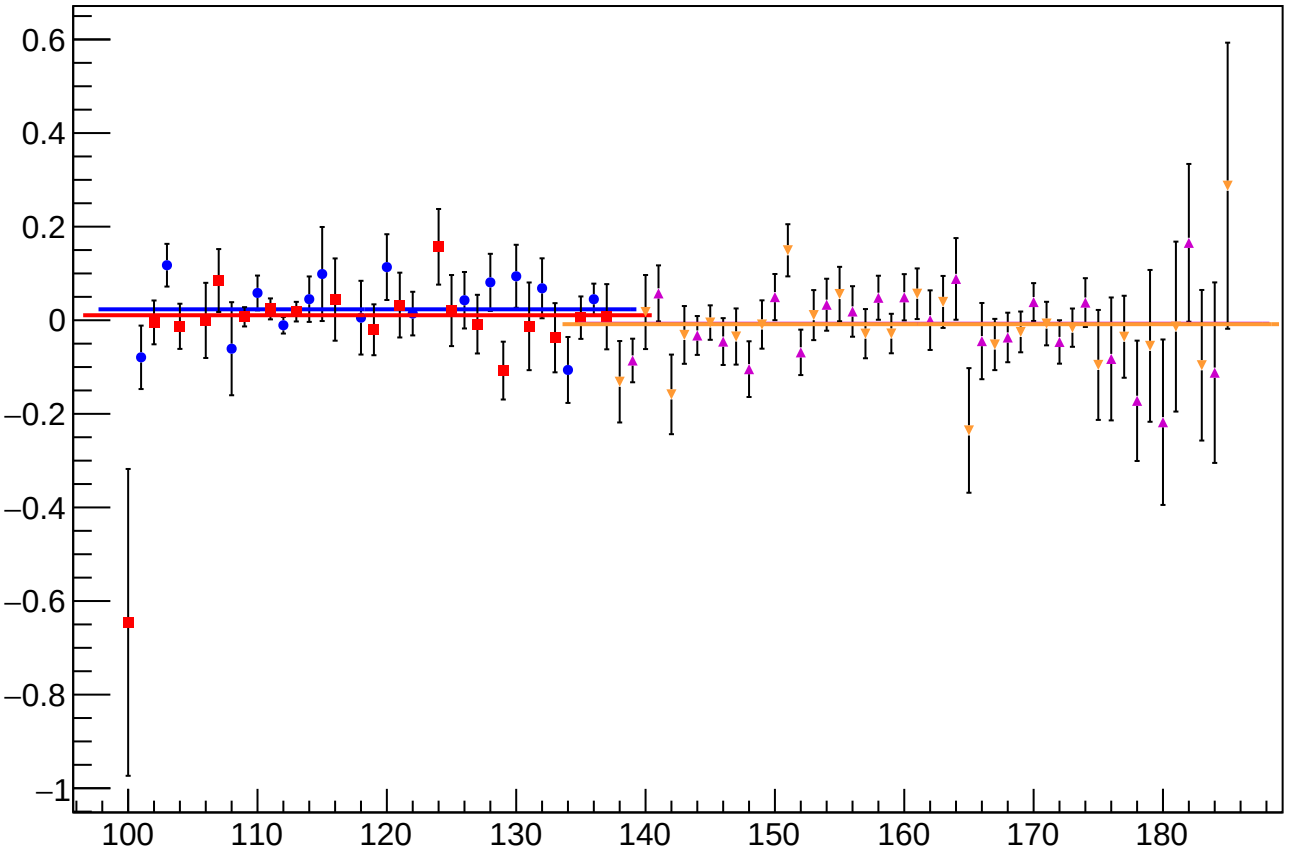
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.6/40

All: -0.000+/-0.000 χ^2/NDF: 135.7/82

- sign -0.000+/-0.000 χ^2/NDF: 46.0/41


asym_sam_48_dd_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: 1571983.6/15
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 2775363.3/18
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
+ sign 0.001+/-0.000 χ²/NDF: 23423597.5/40
All: 0.001+/-0.000 χ²/NDF: 36404815.9/82
- sign 0.002+/-0.000 χ²/NDF: 7139709.6/41



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

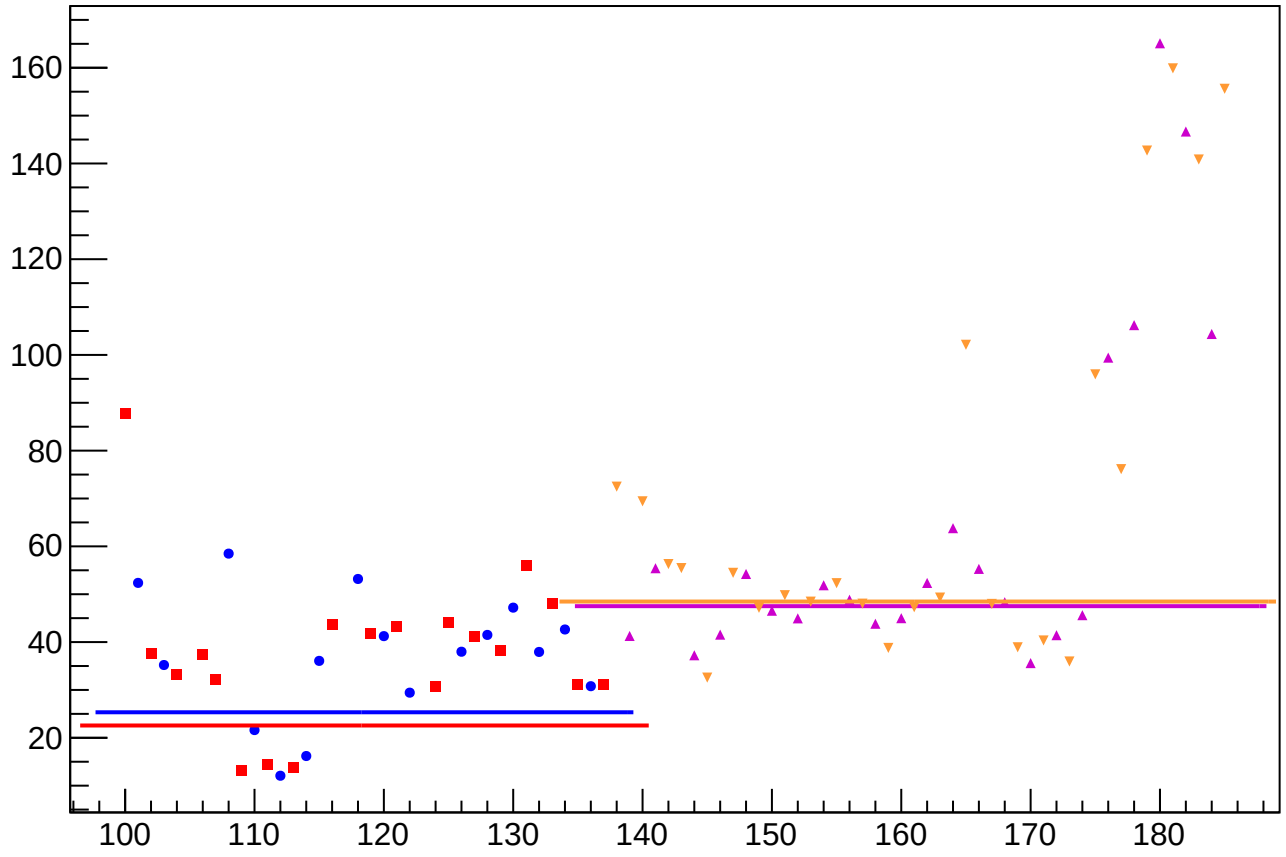
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 47.7/40

All: 0.006+/-0.006 χ^2/NDF: 86.8/82

- 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: 48.471+/-0.008 χ^2/NDF:4373775.4/24

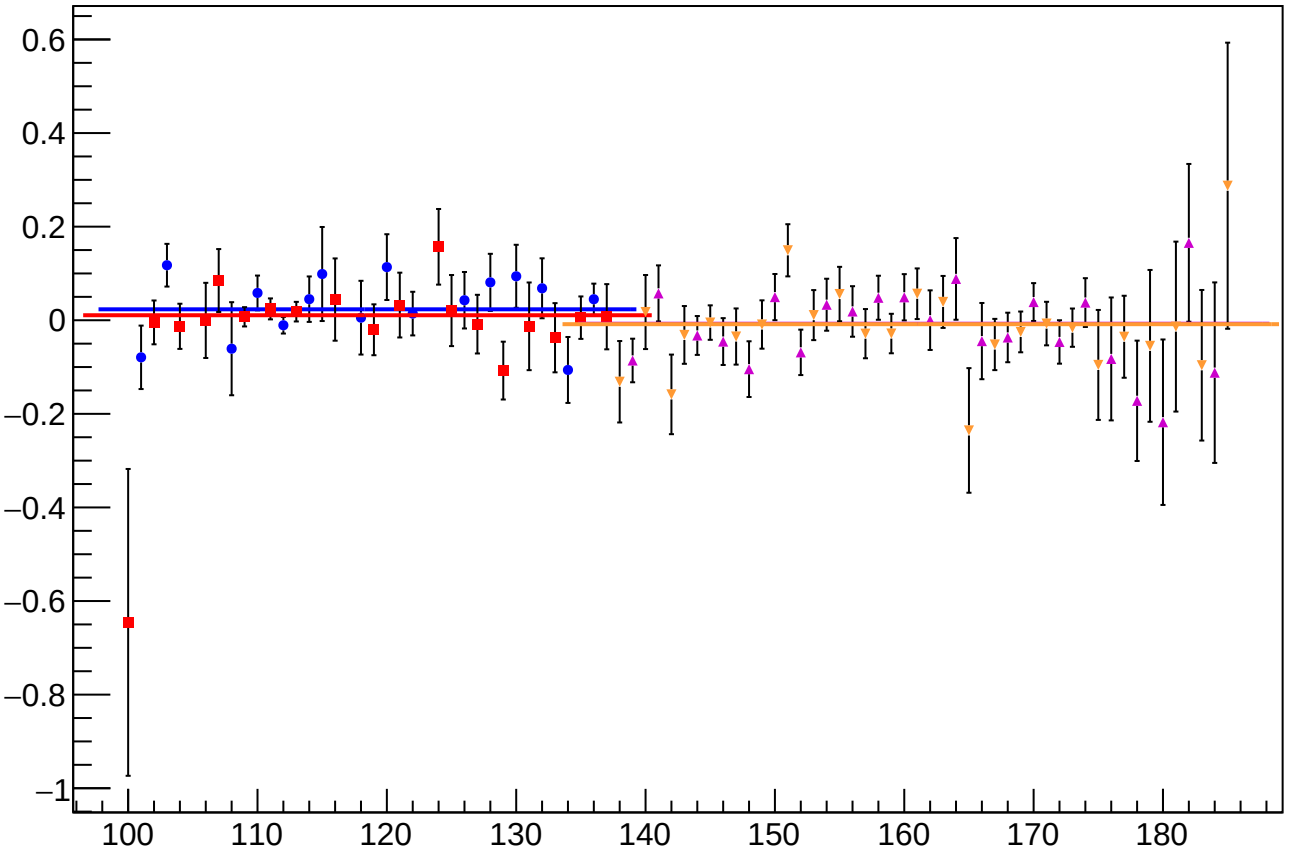
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 35.962+/-0.006 χ^2/NDF: 11314639.1/40

All: 34.122+/-0.004 χ^2/NDF: 22883901.4/82

- 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: -0.008+/-0.012 χ^2/NDF:23.2/24

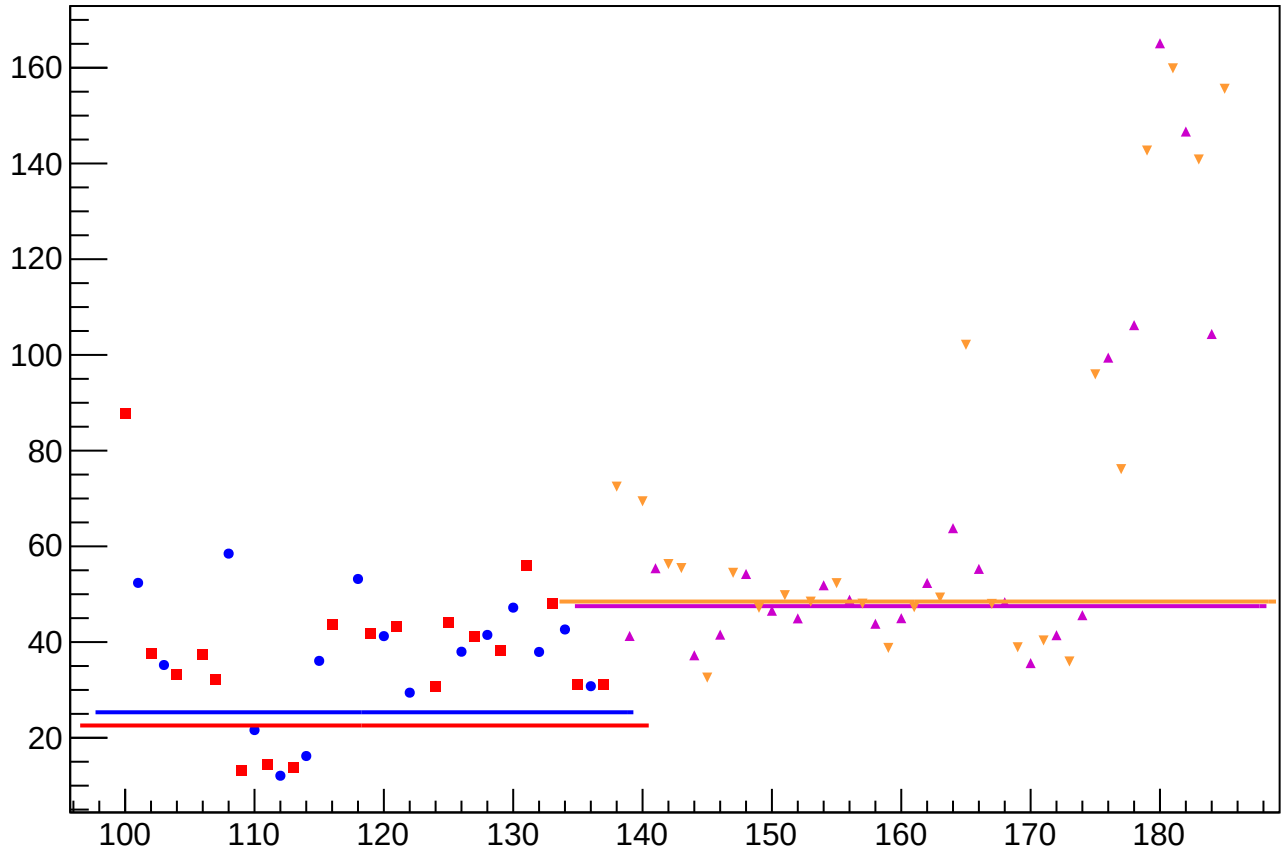
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 47.7/40

All: 0.006+/-0.006 χ^2/NDF: 86.8/82

- 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: 48.471+/-0.008 χ^2/NDF:4373775.4/24

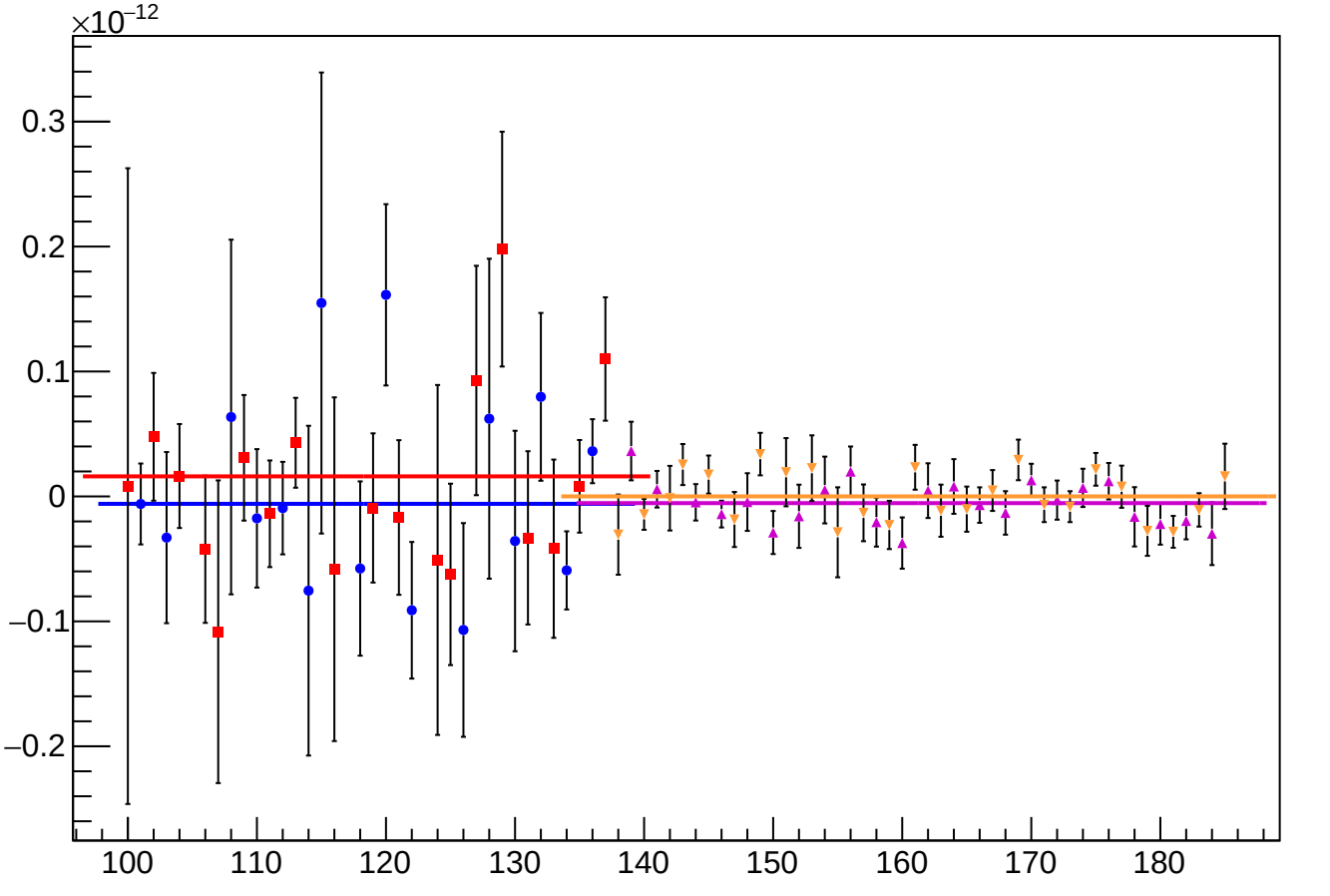
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 35.962+/-0.006 χ^2/NDF: 11314639.1/40

All: 34.122+/-0.004 χ^2/NDF: 22883901.4/82

- 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:31.4/24

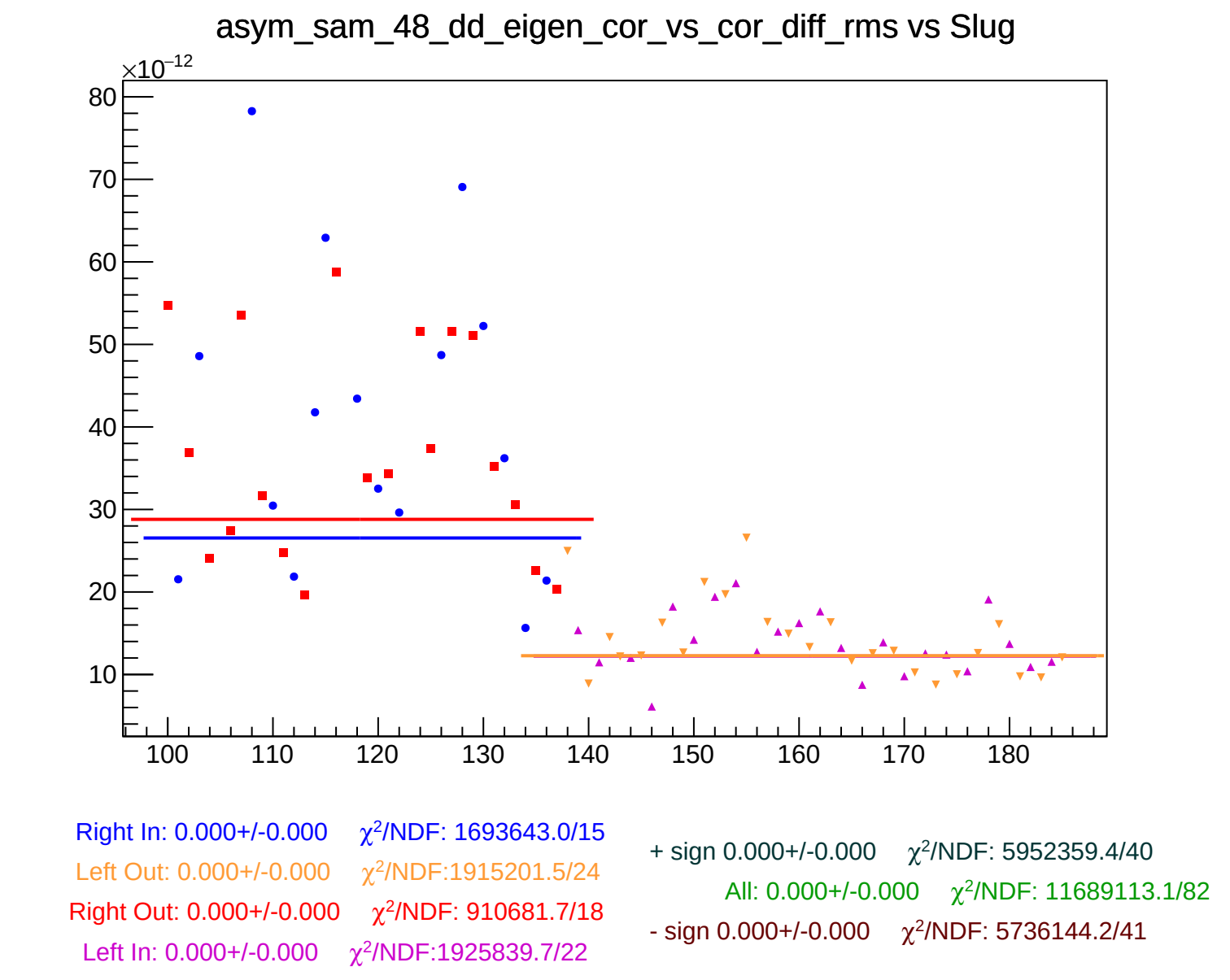
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 50.4/40

All: -0.000+/-0.000 χ^2/NDF: 87.5/82

- 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
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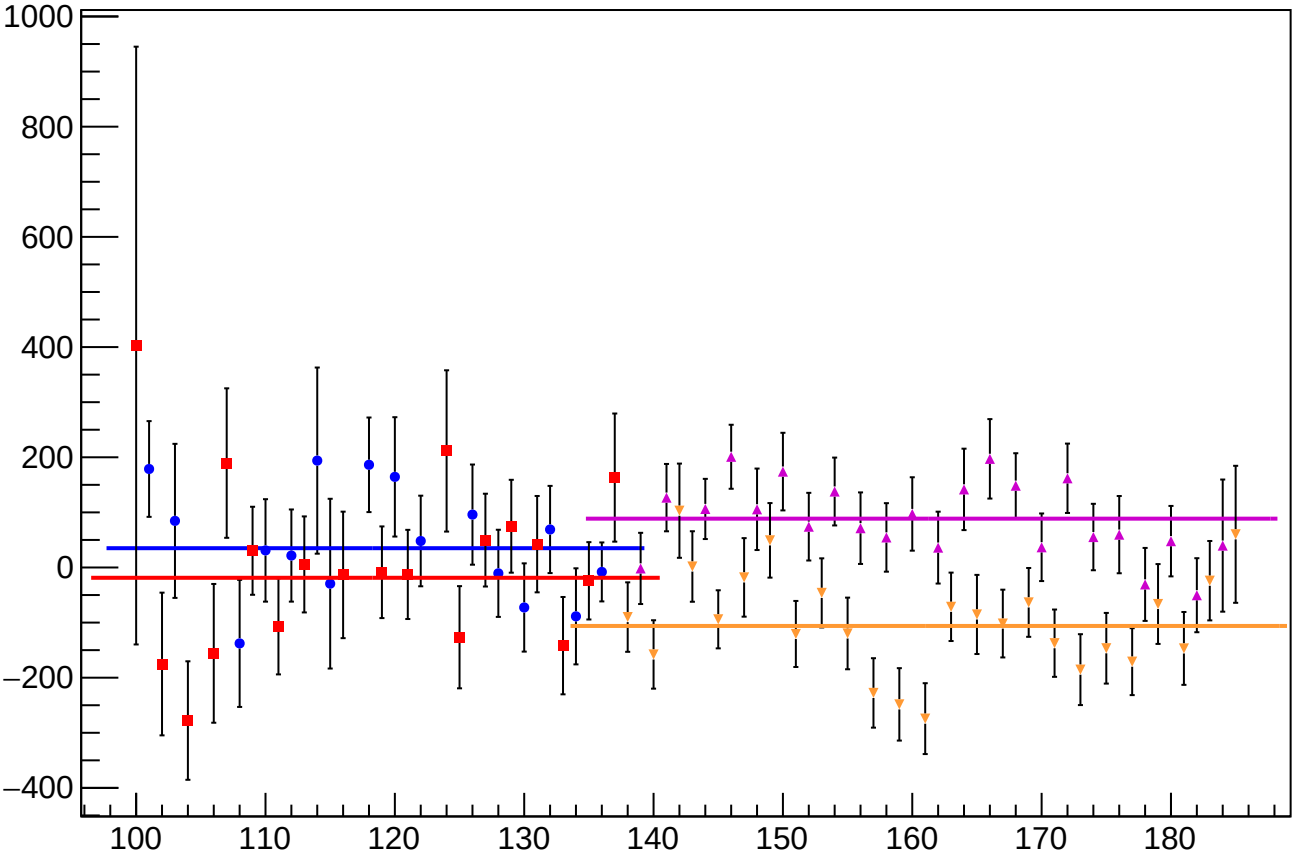
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1915201.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1925839.7/22
+ sign 0.000+/-0.000 χ²/NDF: 5952359.4/40
All: 0.000+/-0.000 χ²/NDF: 11689113.1/82
- sign 0.000+/-0.000 χ²/NDF: 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: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

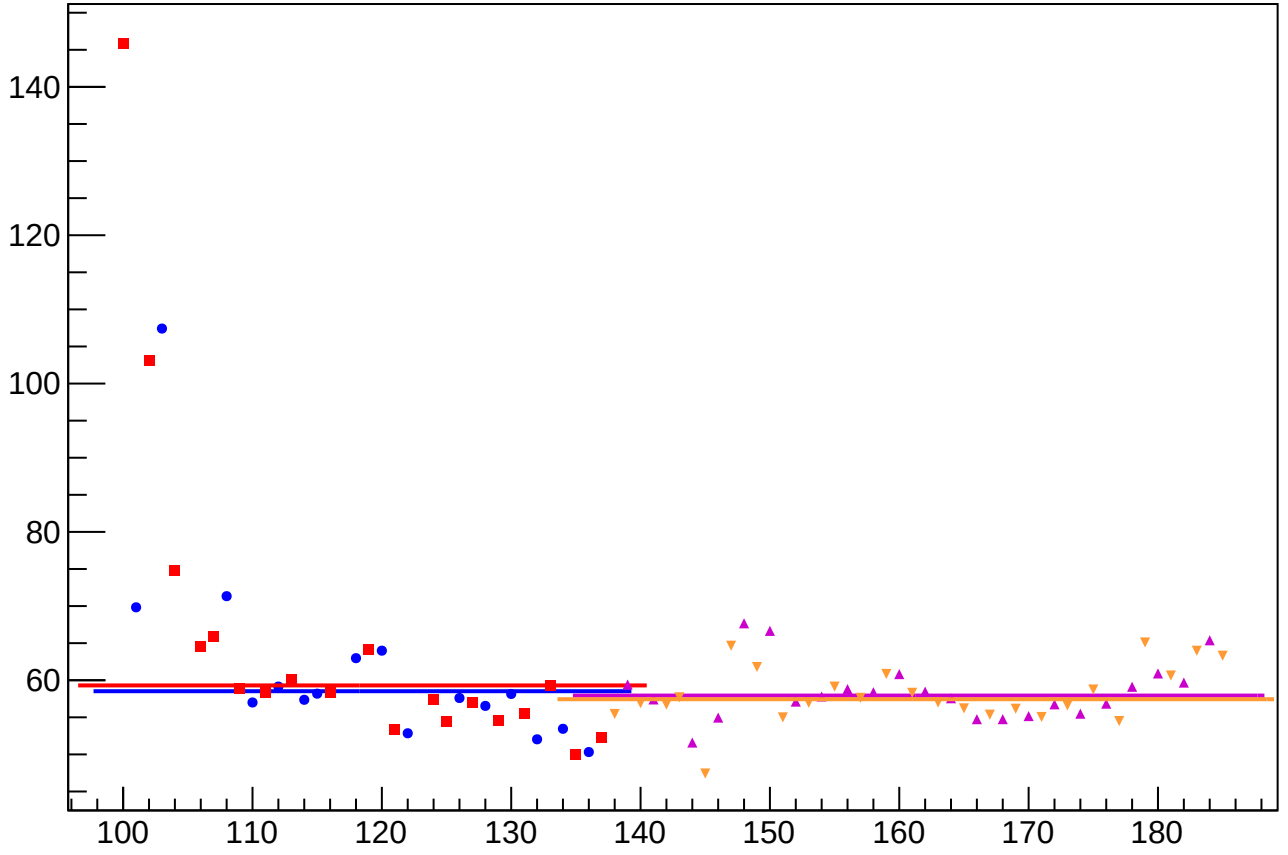
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -69.537+/-11.267 χ^2/NDF: 87.0/40

All: -6.803+/-8.071 χ^2/NDF: 215.2/82

- 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: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

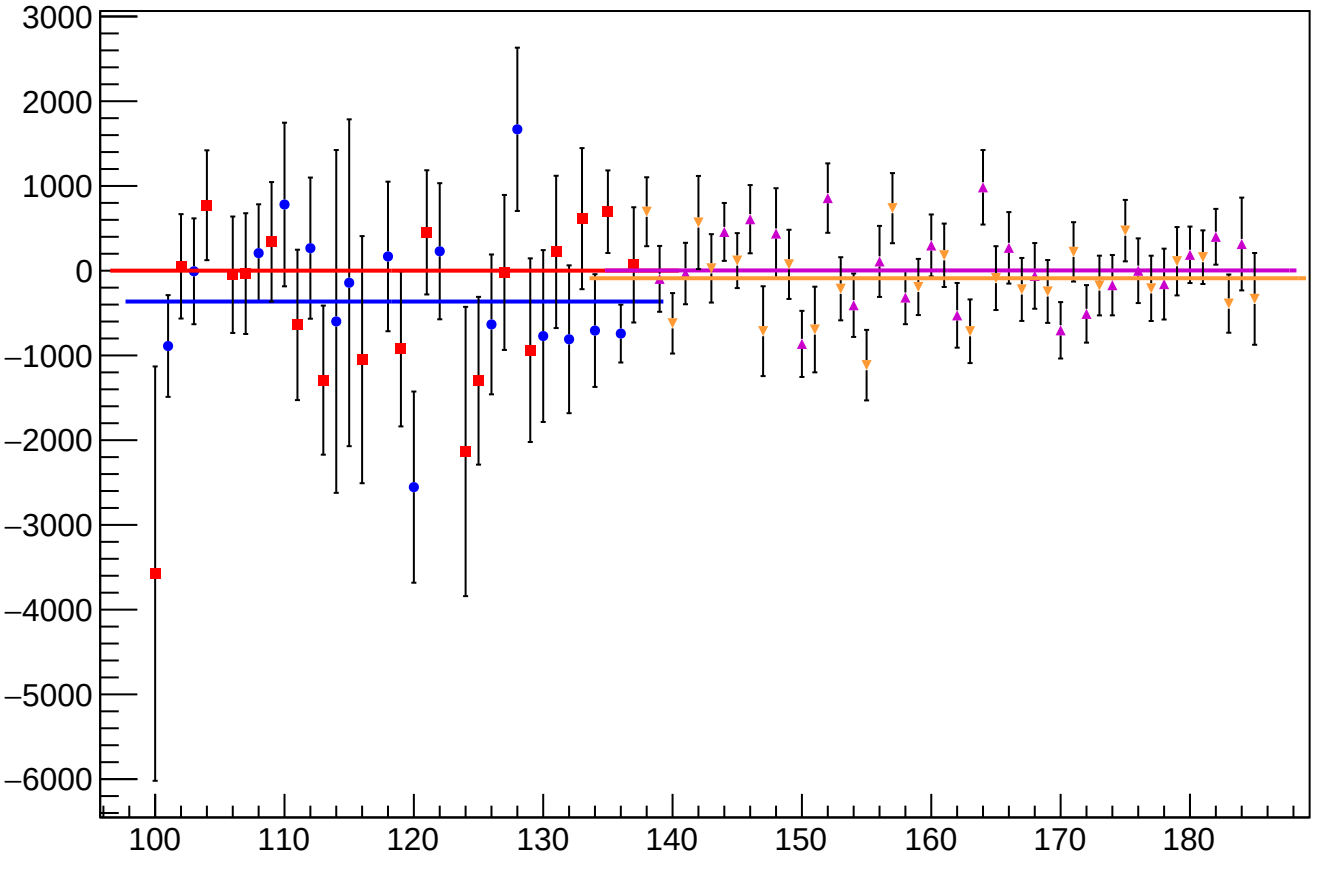
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.720+/-0.008 χ^2/NDF: 570835.3/40

All: 58.006+/-0.006 χ^2/NDF: 1121540.3/82

- sign 58.306+/-0.008 χ^2/NDF: 548071.4/41

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

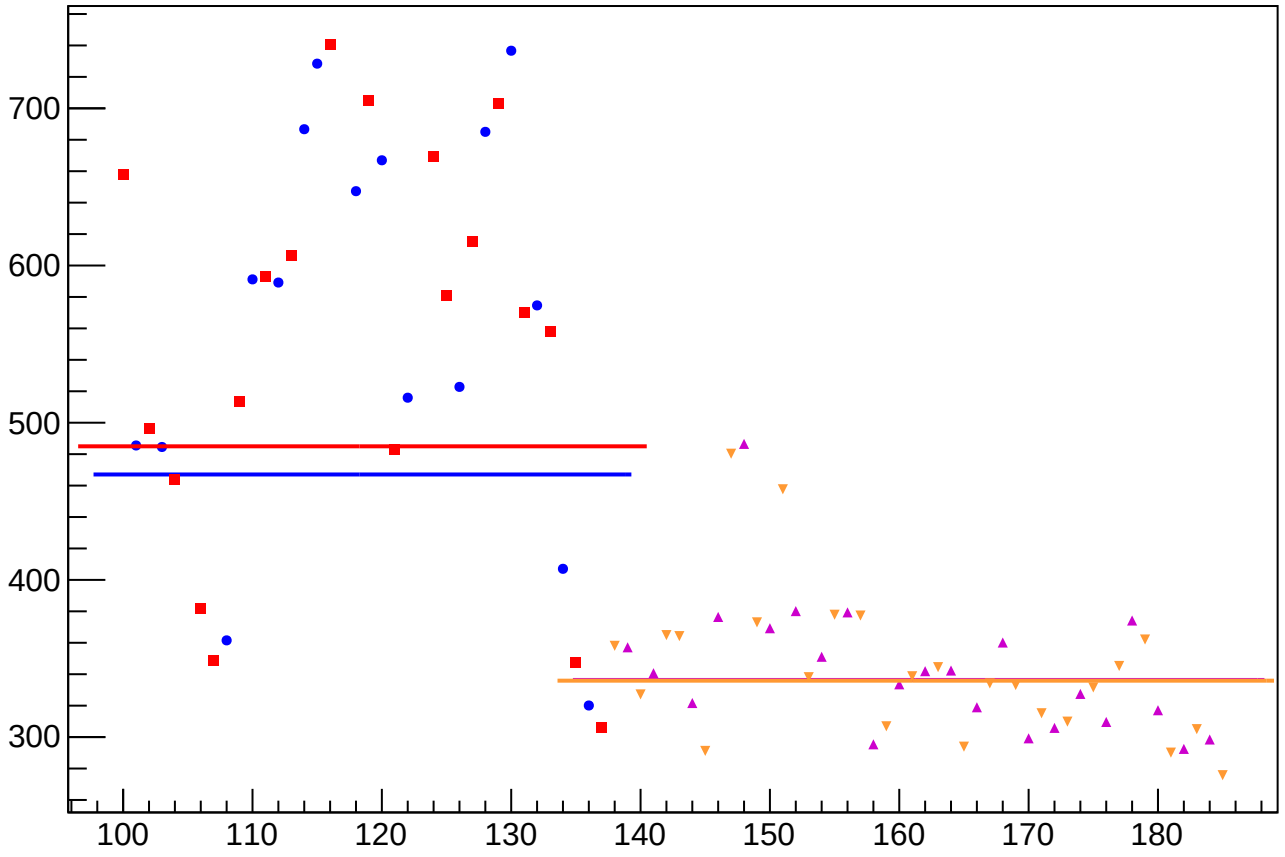
Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -131.371+/-70.839 χ^2/NDF: 47.1/40

All: -66.081+/-50.731 χ^2/NDF: 97.5/82

- sign 2.655+/-72.685 χ^2/NDF: 48.7/41



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

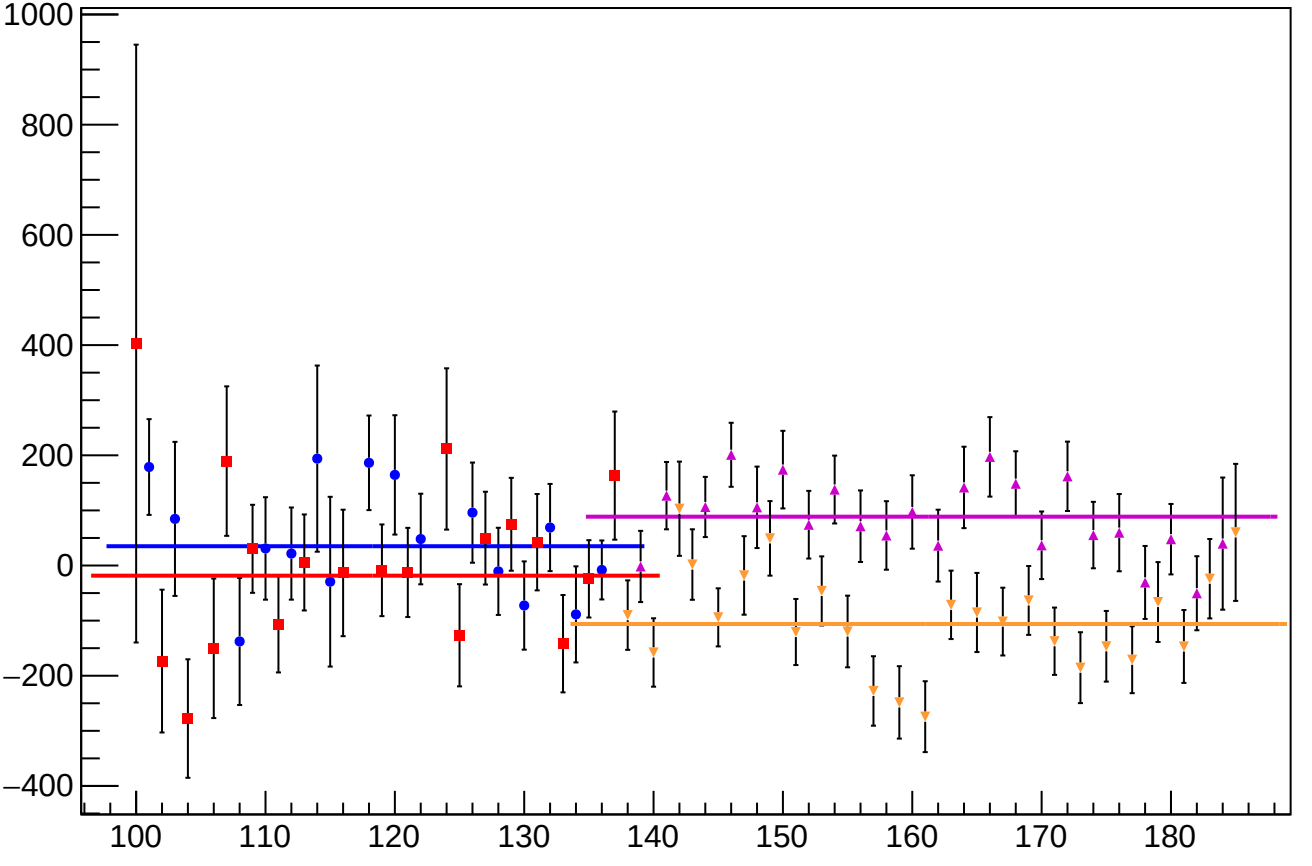
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 356.076+/-0.050 χ^2/NDF: 2456863.6/40

All: 357.876+/-0.036 χ^2/NDF: 4858268.8/82

- 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: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

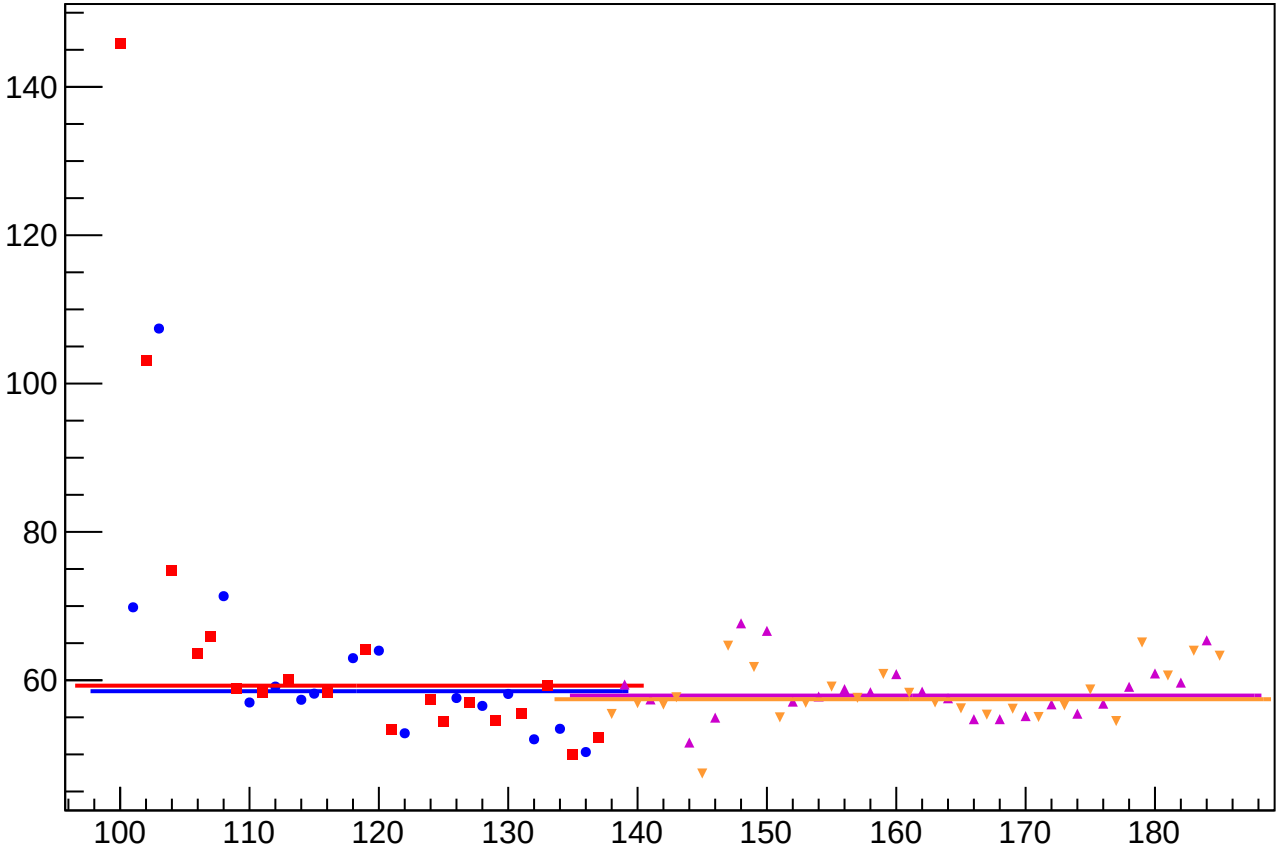
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -69.538+/-11.267 χ^2/NDF: 87.0/40

All: -6.765+/-8.071 χ^2/NDF: 215.0/82

\- 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: 57.440+/-0.009 χ^2/NDF:174555.9/24

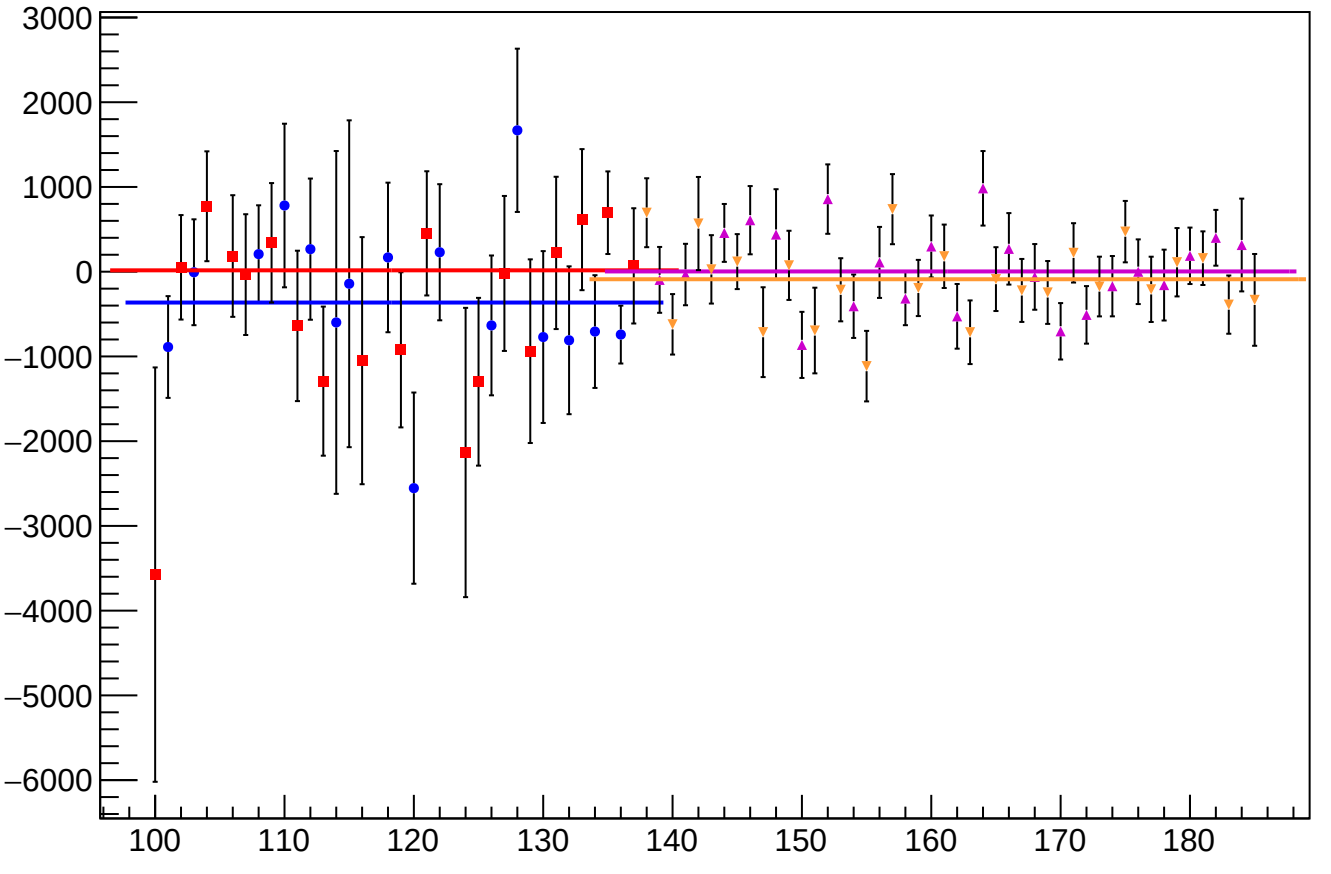
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.720+/-0.008 χ^2/NDF: 570837.5/40

All: 58.001+/-0.006 χ^2/NDF: 1120211.8/82

- 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: -89.061+/-77.011 χ^2/NDF:29.9/24

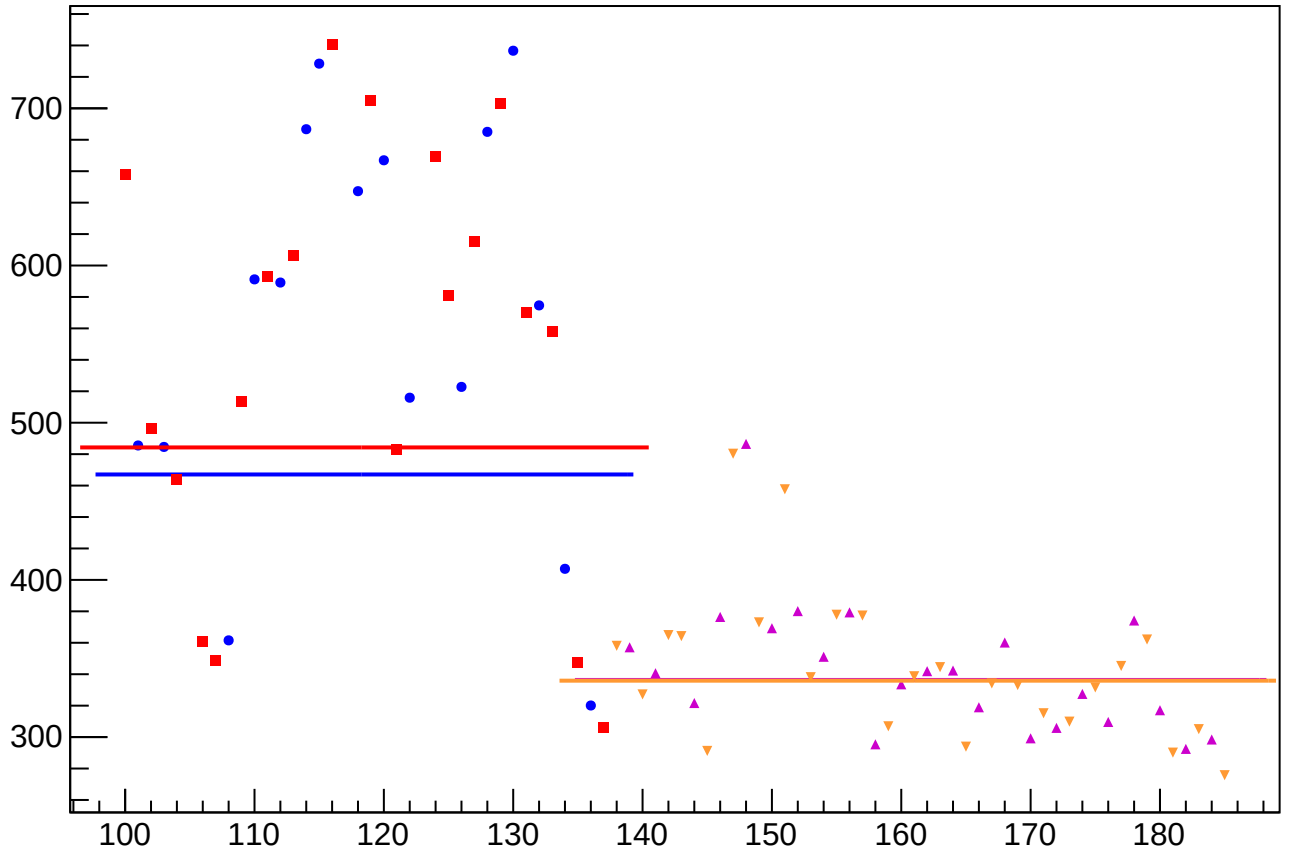
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

\+ sign -131.367+/-70.840 χ^2/NDF: 47.1/40

All: -64.925+/-50.743 χ^2/NDF: 97.6/82

\- 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: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

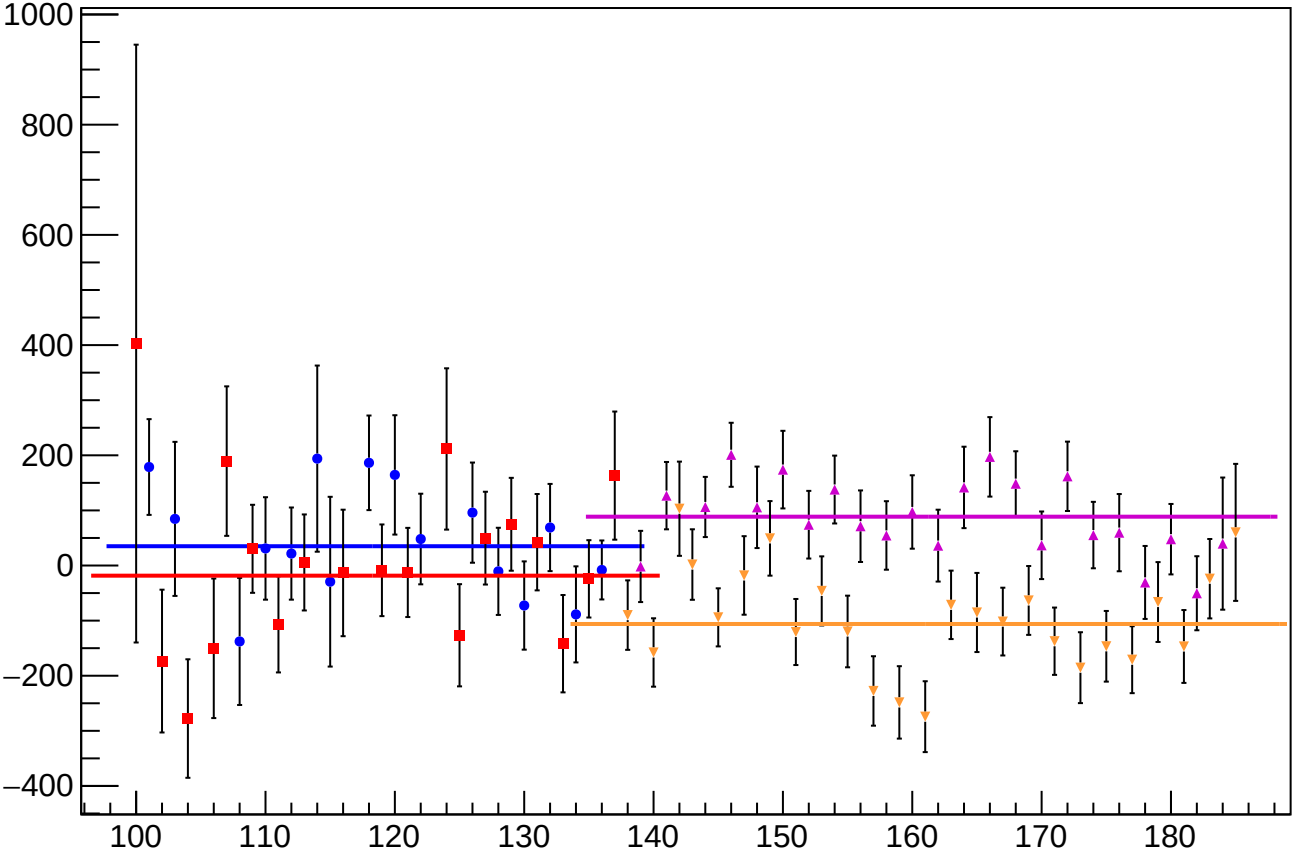
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 356.076+/-0.050 χ^2/NDF: 2456892.7/40

All: 357.762+/-0.036 χ^2/NDF: 4856420.3/82

- 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: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

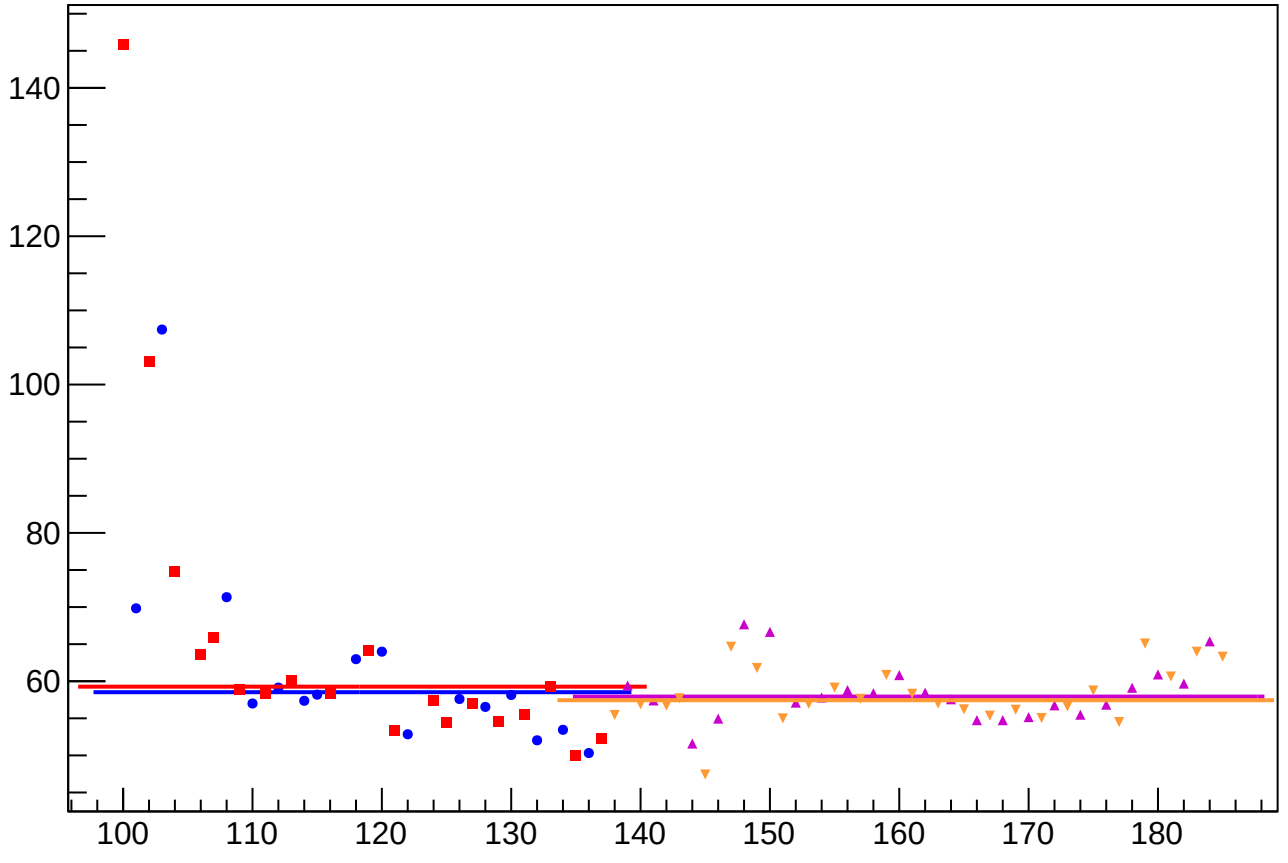
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -69.538+/-11.267 χ^2/NDF: 87.0/40

All: -6.765+/-8.071 χ^2/NDF: 215.0/82

\- 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: 57.440+/-0.009 χ^2/NDF:174555.9/24

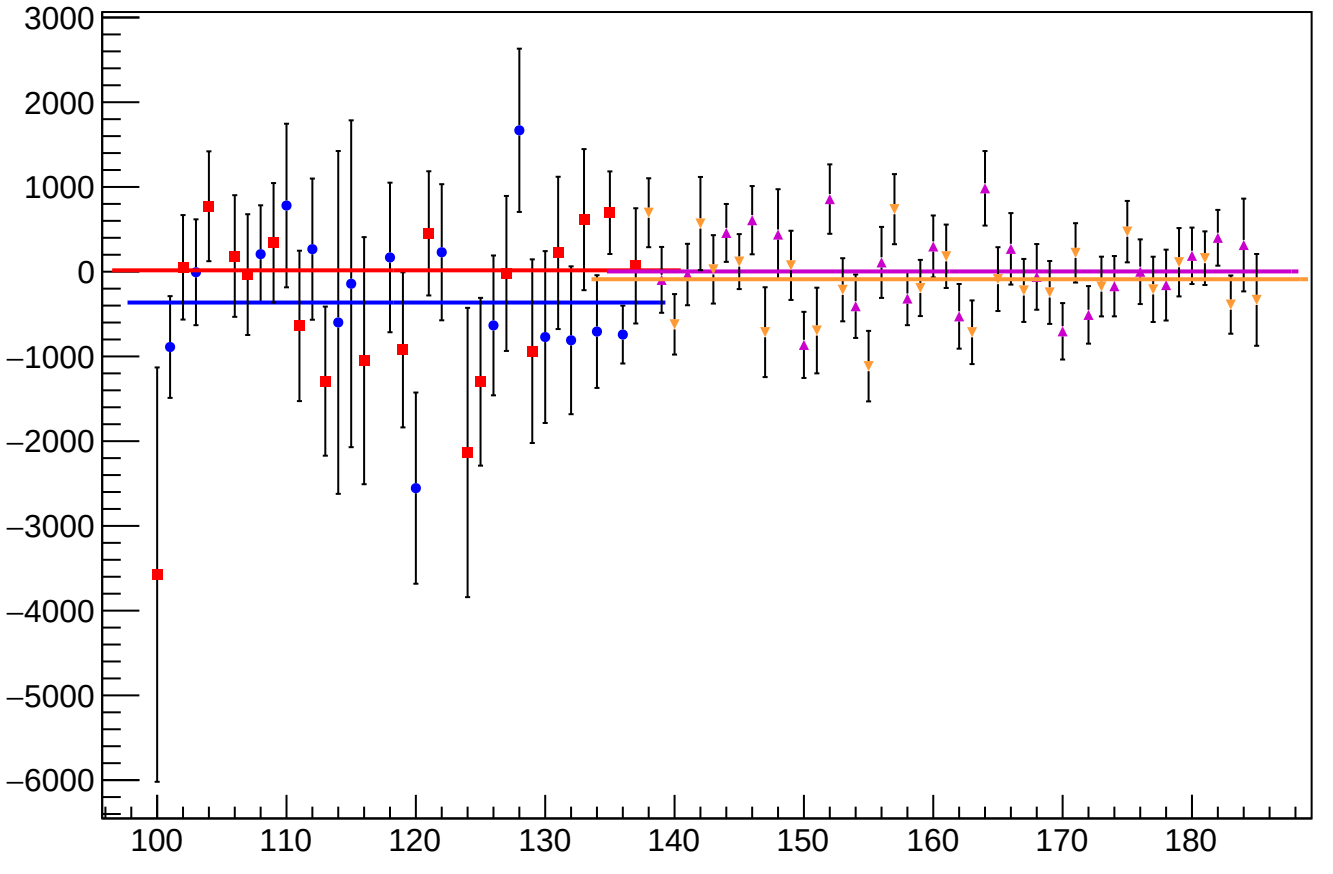
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.720+/-0.008 χ^2/NDF: 570837.5/40

All: 58.001+/-0.006 χ^2/NDF: 1120211.8/82

- 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: -89.061+/-77.011 χ^2/NDF:29.9/24

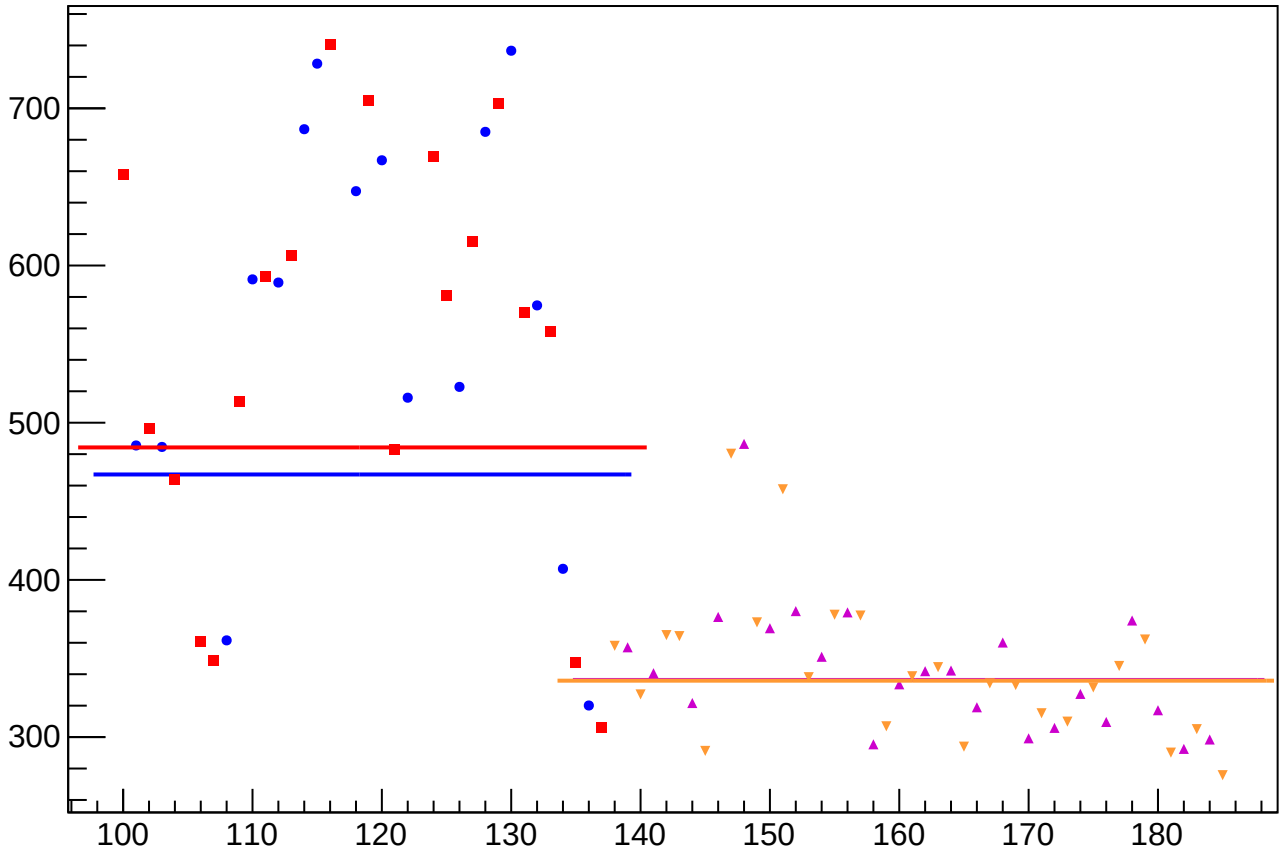
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.367+/-70.840 χ^2/NDF: 47.1/40

All: -64.925+/-50.743 χ^2/NDF: 97.6/82

- 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: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

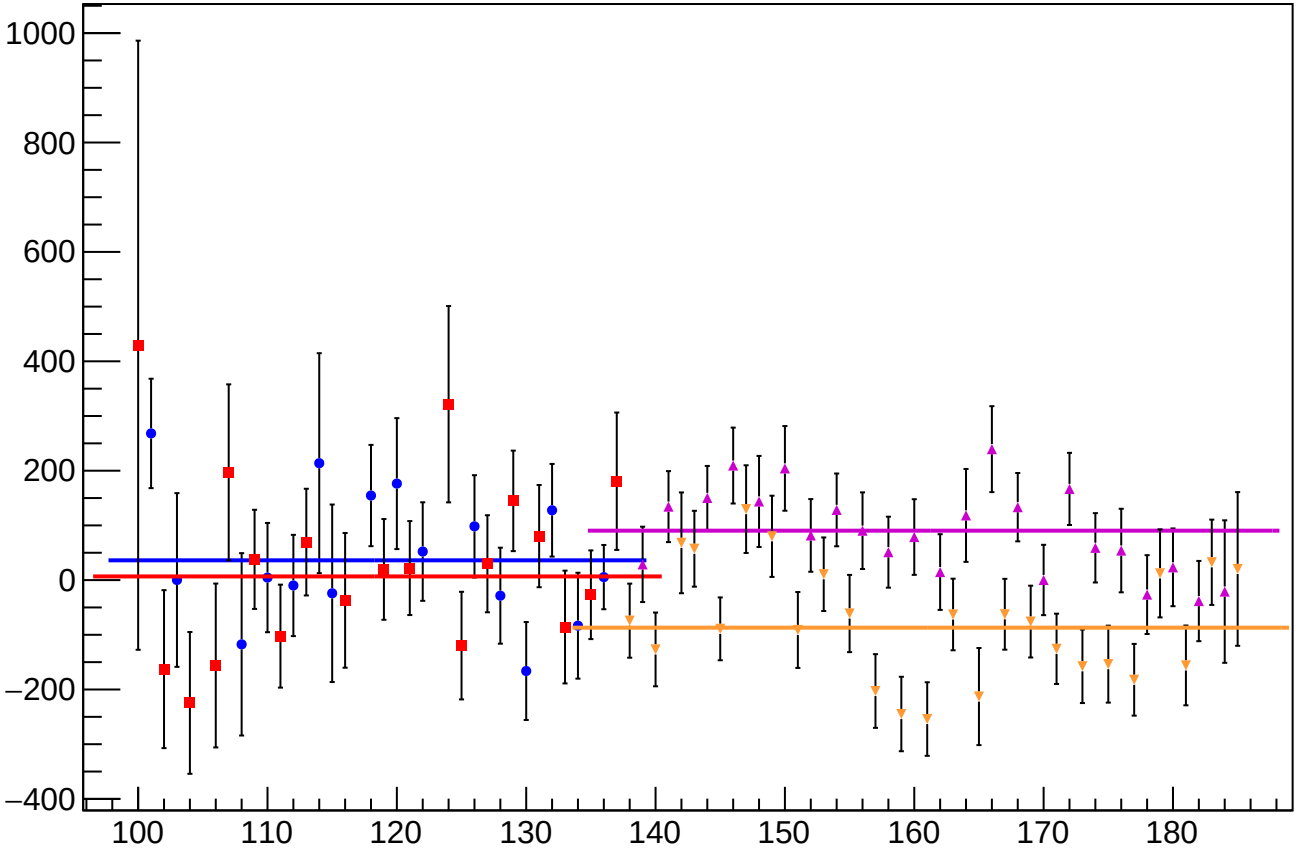
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 356.076+/-0.050 χ^2/NDF: 2456892.7/40

All: 357.762+/-0.036 χ^2/NDF: 4856420.3/82

- 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: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

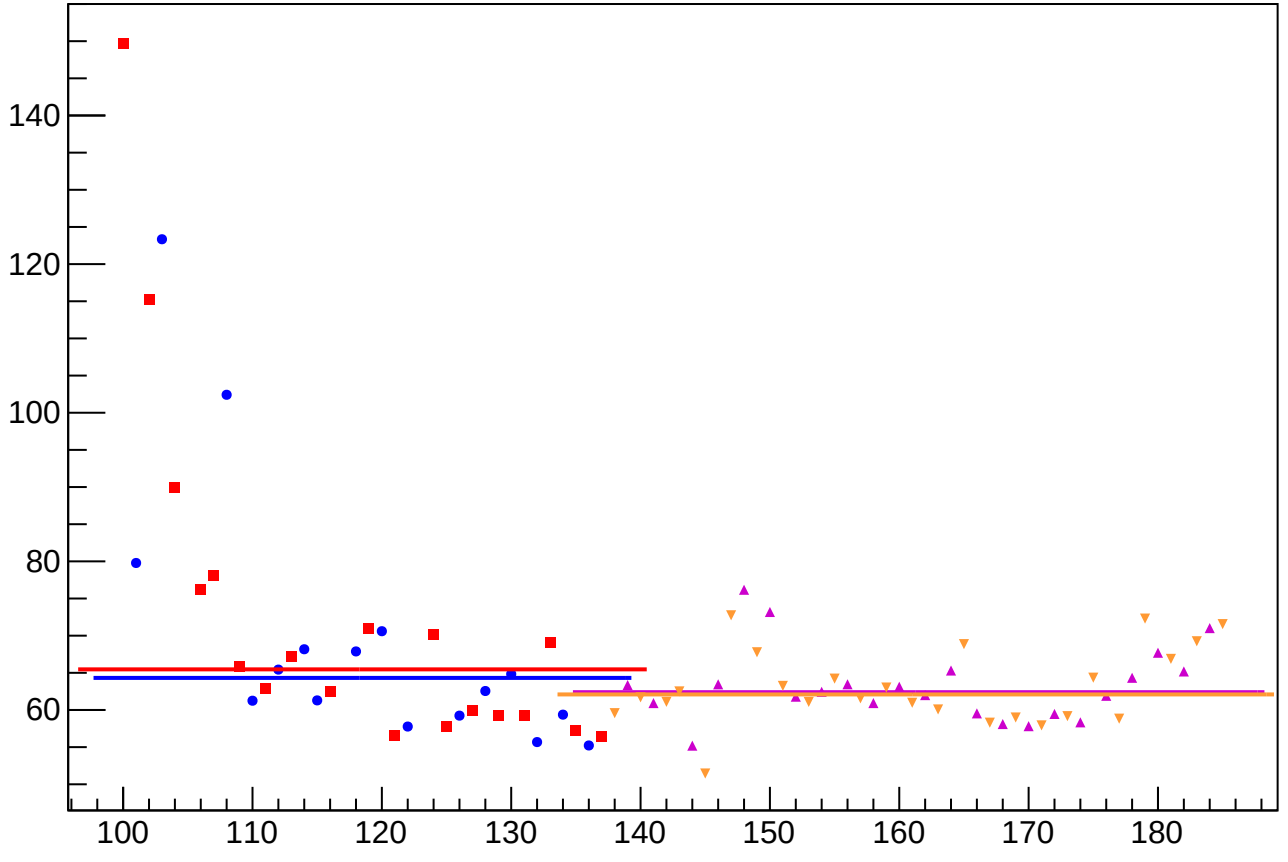
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -56.028+/-12.266 χ^2/NDF: 87.4/40

All: 4.584+/-8.784 χ^2/NDF: 191.5/82

- sign 68.408+/-12.586 χ^2/NDF: 53.9/41

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

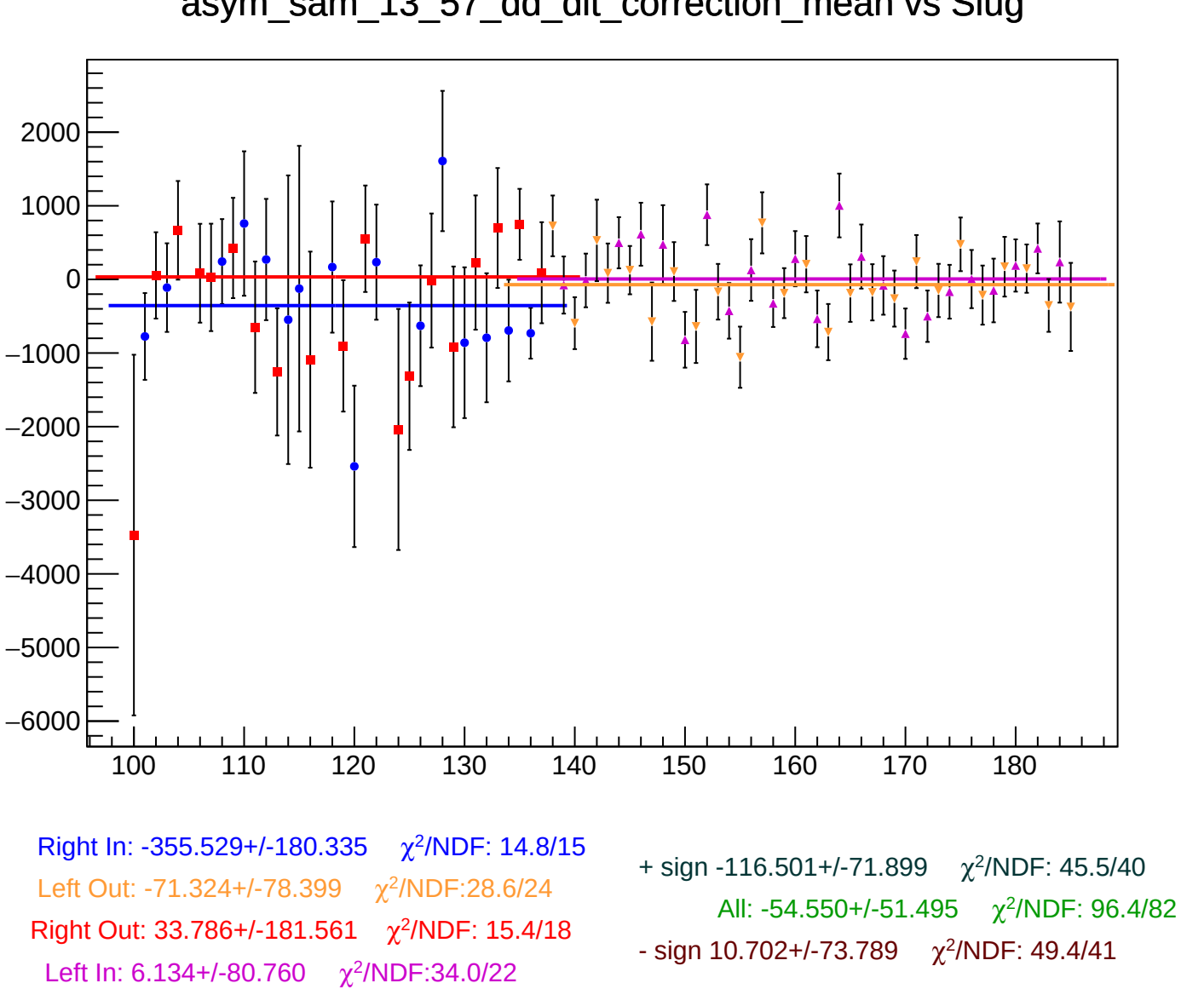
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 62.652+/-0.009 χ^2/NDF: 777767.4/40

All: 62.919+/-0.006 χ^2/NDF: 1473949.9/82

- sign 63.201+/-0.009 χ^2/NDF: 694226.2/41


asym_sam_13_57_dd_dit_correction_mean vs Slug
2000
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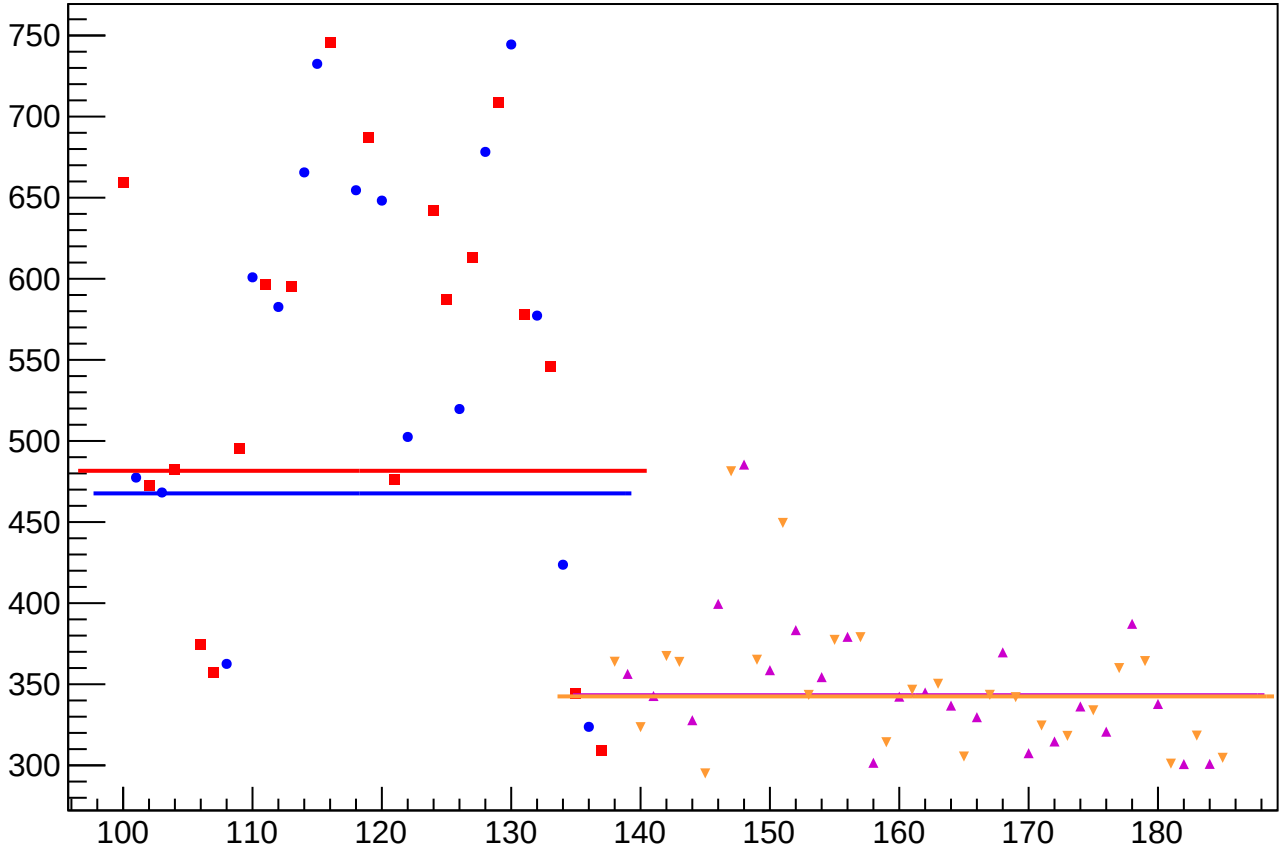
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
180
Right In: -355.529+/-180.335 χ²/NDF: 14.8/15
Left Out: -71.324+/-78.399 χ²/NDF:28.6/24
Right Out: 33.786+/-181.561 χ²/NDF: 15.4/18
Left In: 6.134+/-80.760 χ²/NDF:34.0/22
+ sign -116.501+/-71.899 χ²/NDF: 45.5/40
All: -54.550+/-51.495 χ²/NDF: 96.4/82
- sign 10.702+/-73.789 χ²/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: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

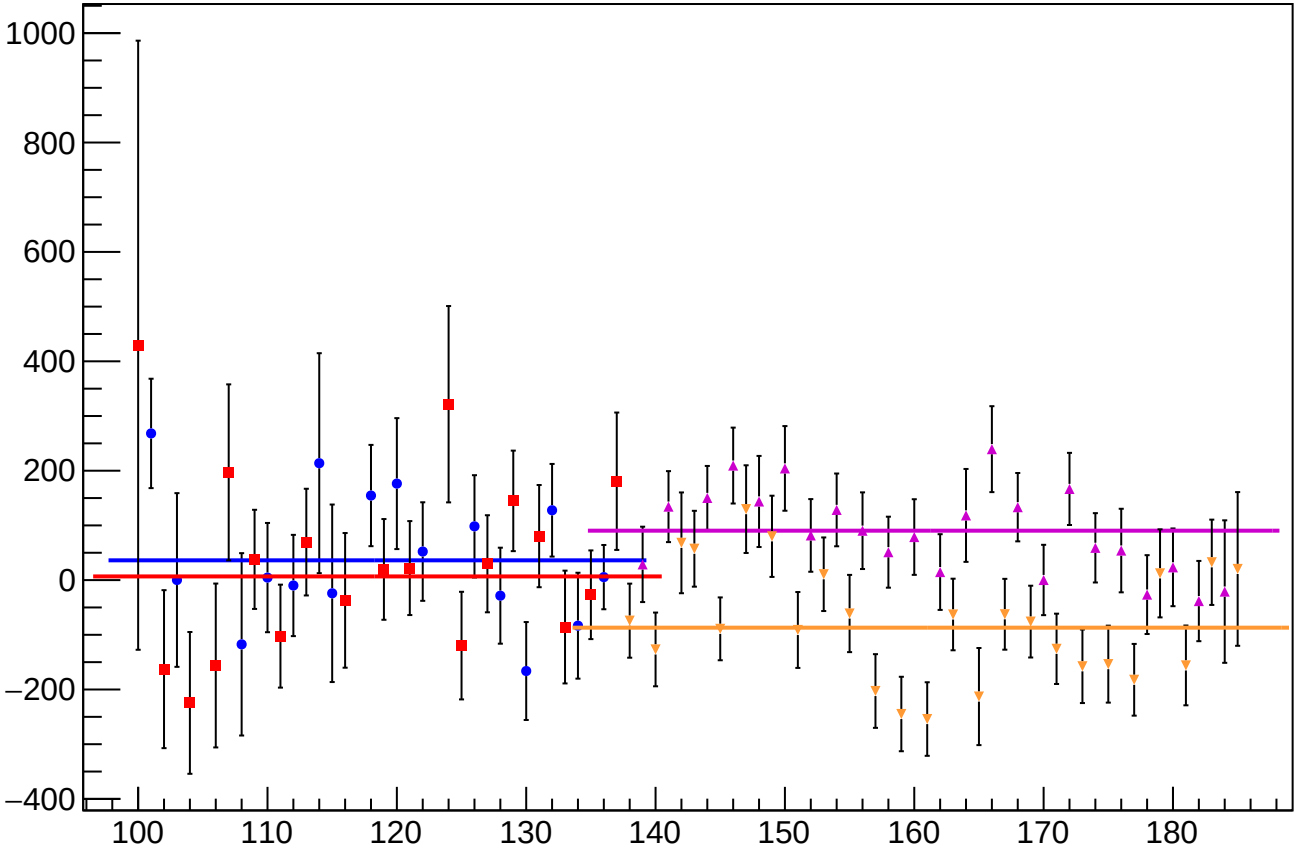
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 362.400+/-0.051 χ^2/NDF: 2230560.1/40

All: 364.201+/-0.036 χ^2/NDF: 4429956.8/82

- 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: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

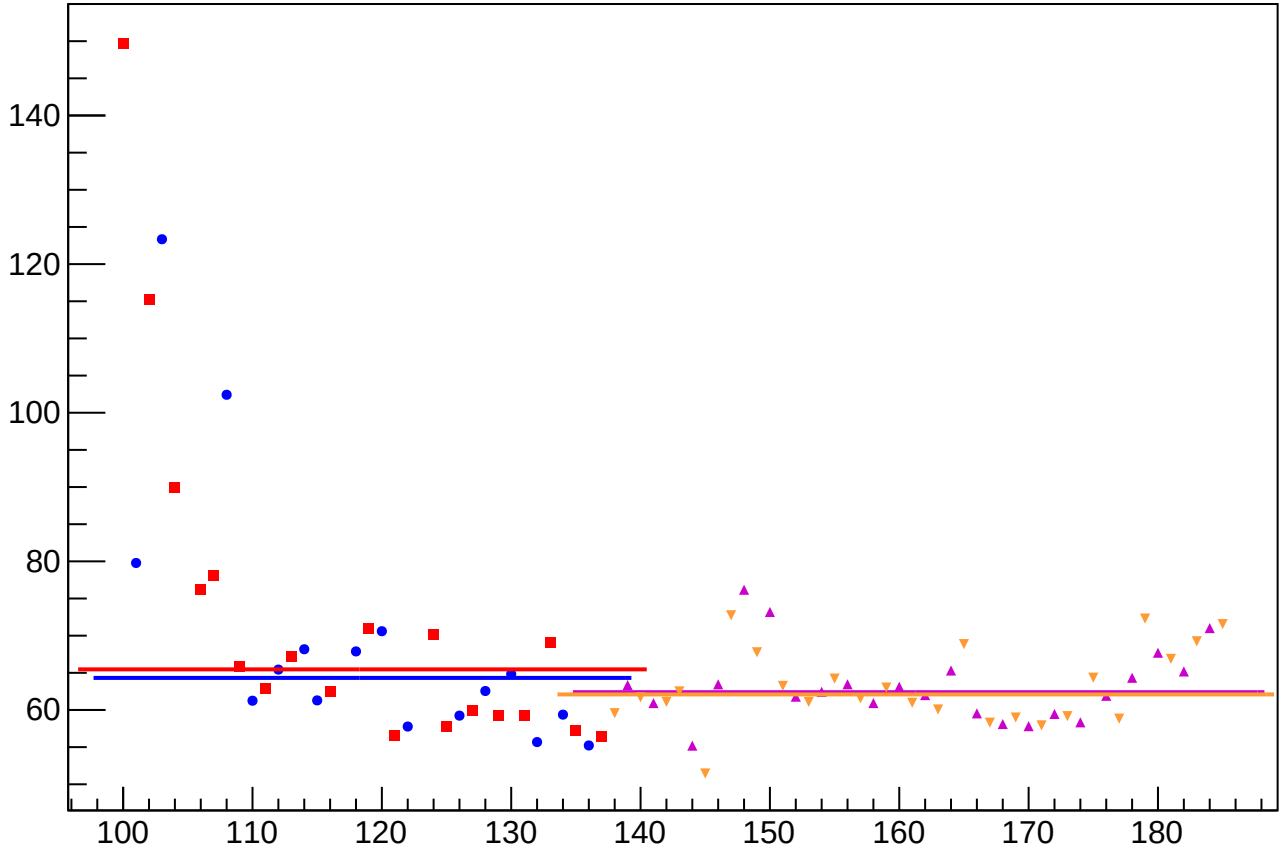
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -56.028+/-12.266 χ^2/NDF: 87.4/40

All: 4.584+/-8.784 χ^2/NDF: 191.5/82

- 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: 62.093+/-0.010 χ^2/NDF:233347.2/24

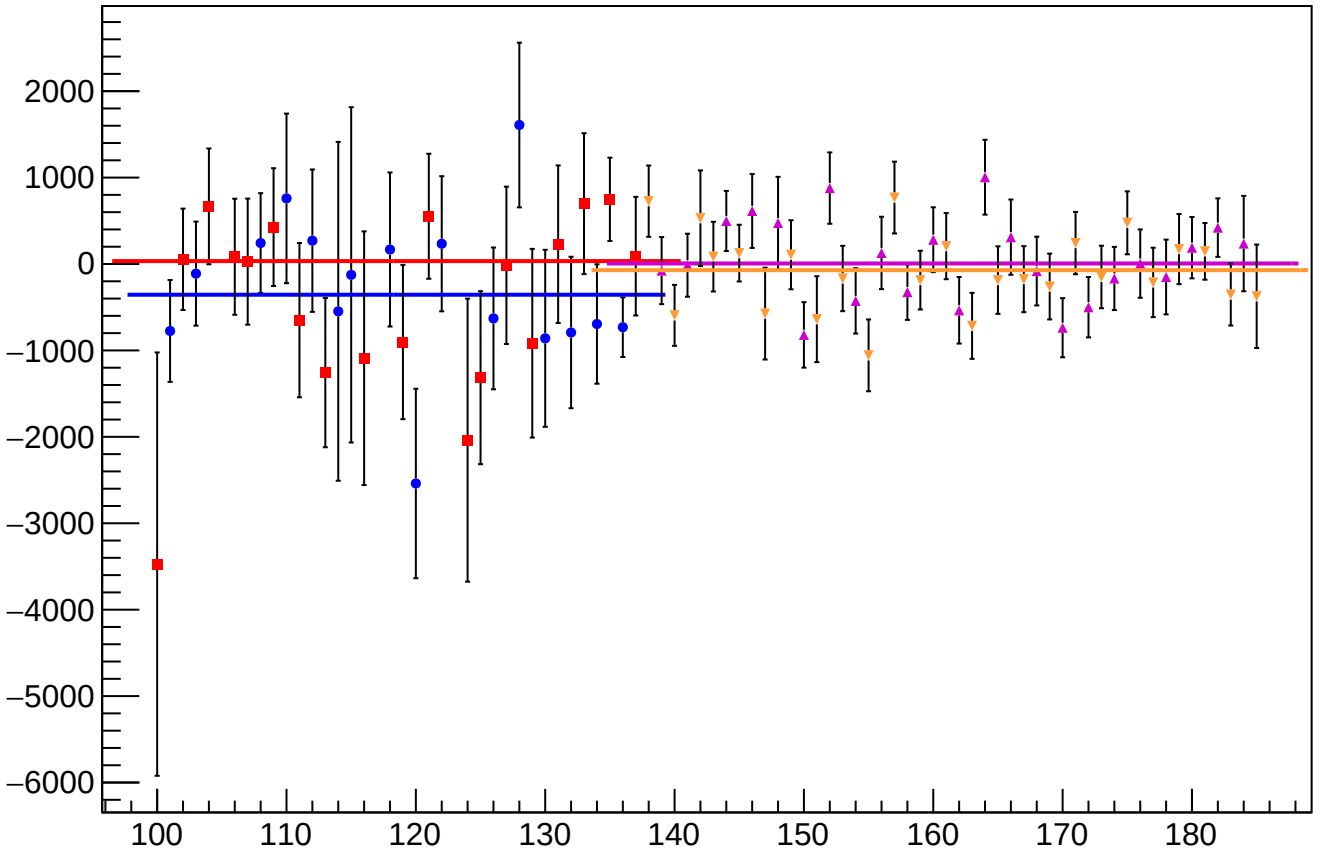
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 62.652+/-0.009 χ^2/NDF: 777778.7/40

All: 62.919+/-0.006 χ^2/NDF: 1473968.6/82

- 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: -71.324+/-78.399 χ^2/NDF:28.6/24

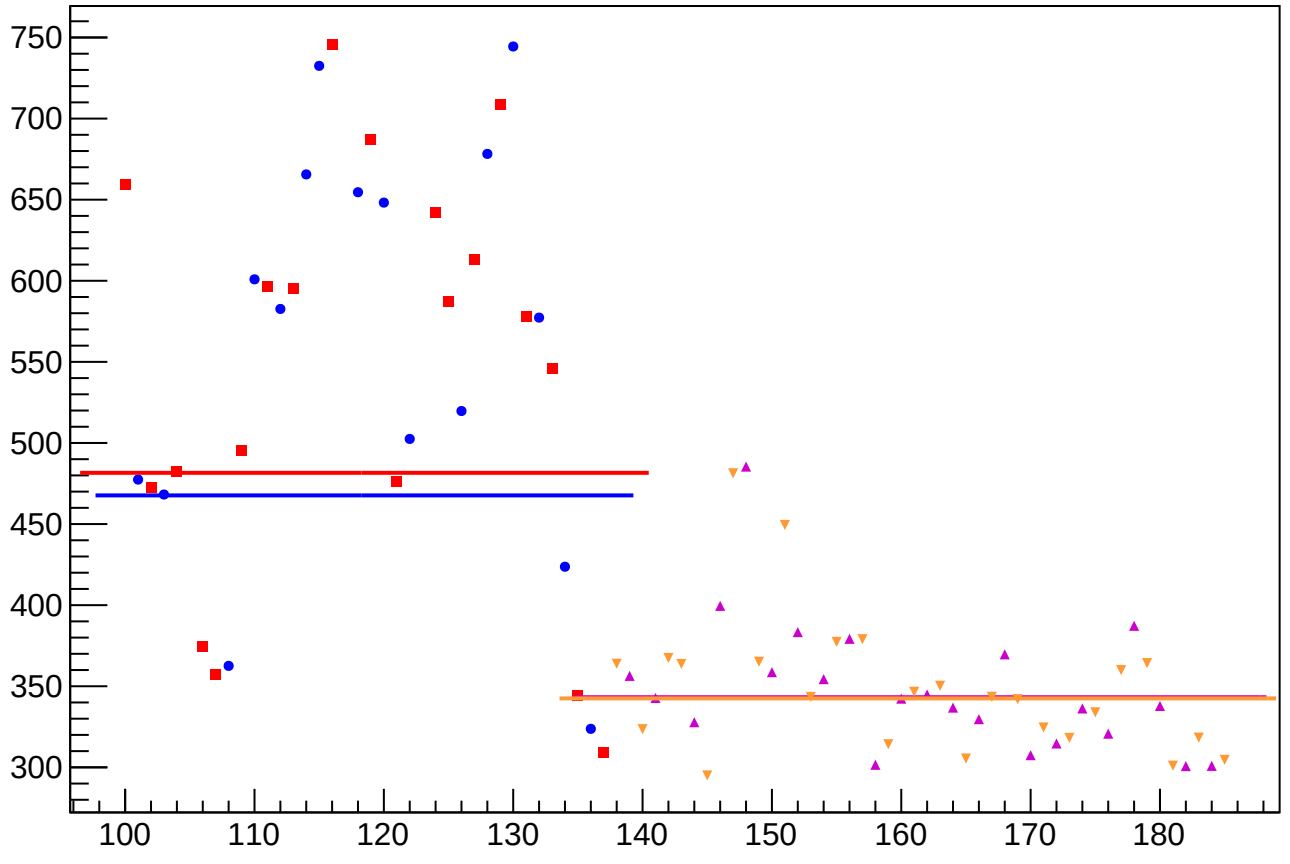
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.501+/-71.899 χ^2/NDF: 45.5/40

All: -54.550+/-51.495 χ^2/NDF: 96.4/82

- 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: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

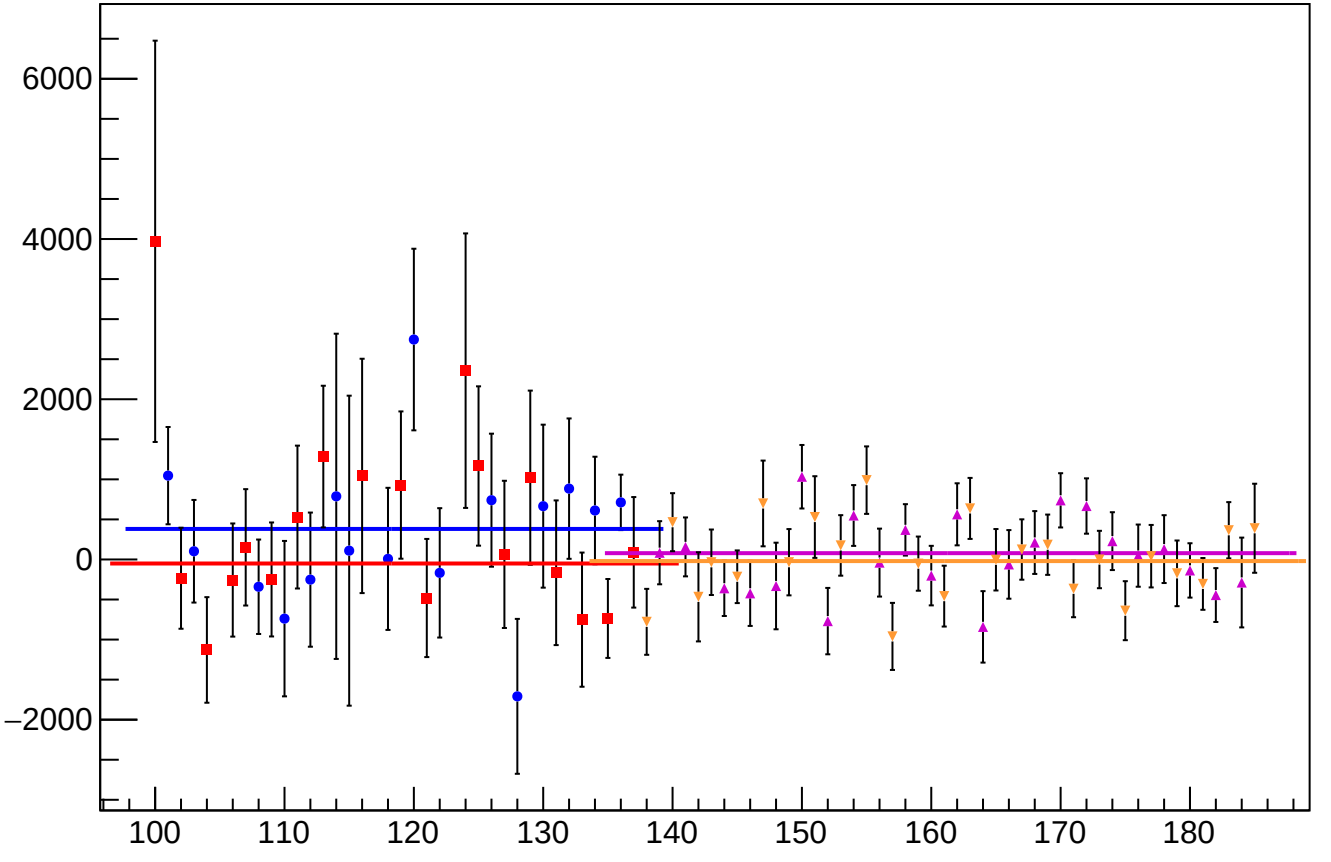
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 362.400+/-0.051 χ^2/NDF: 2230557.8/40

All: 364.201+/-0.036 χ^2/NDF: 4429946.1/82

- 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: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

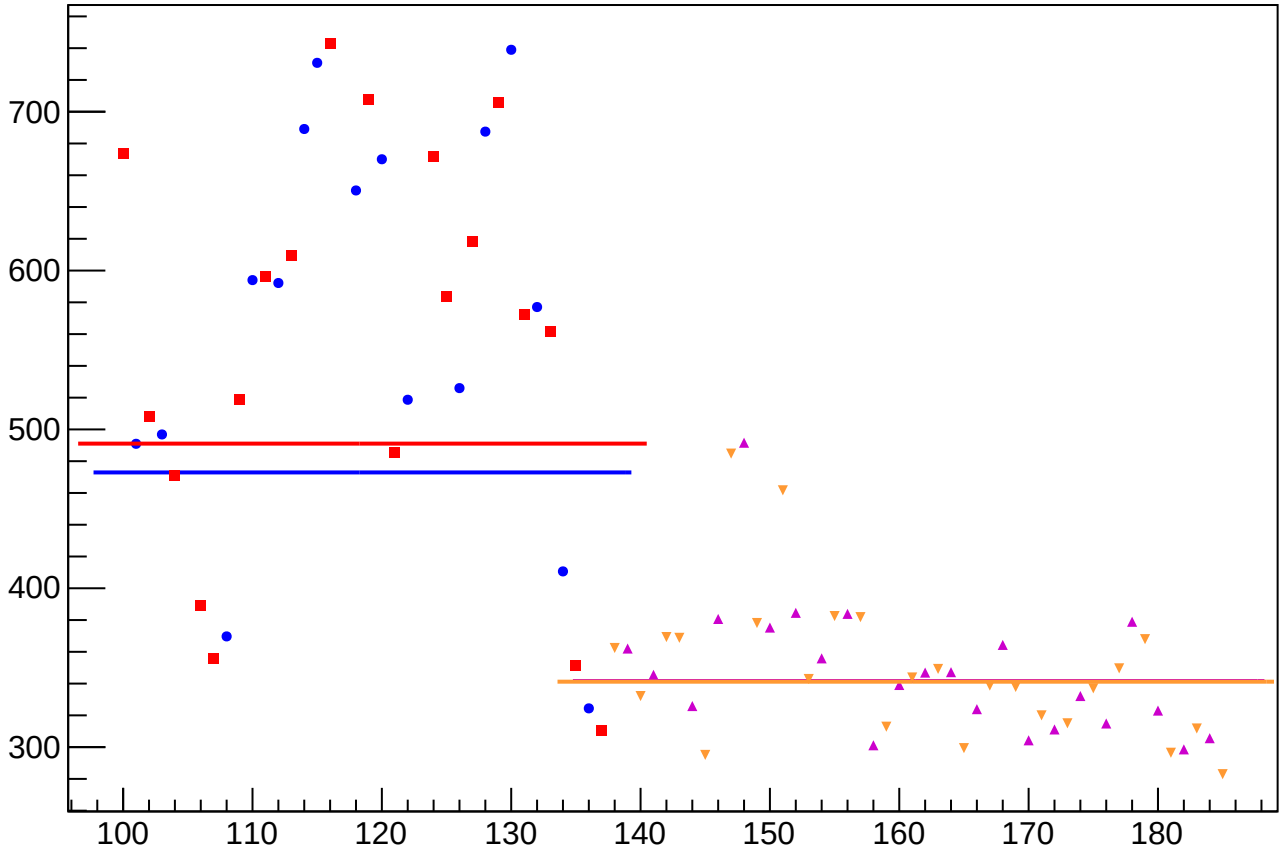
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 41.894+/-71.886 χ^2/NDF: 51.7/40

All: 49.862+/-51.481 χ^2/NDF: 102.5/82

- 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: 341.199+/-0.055 χ^2/NDF:510854.5/24

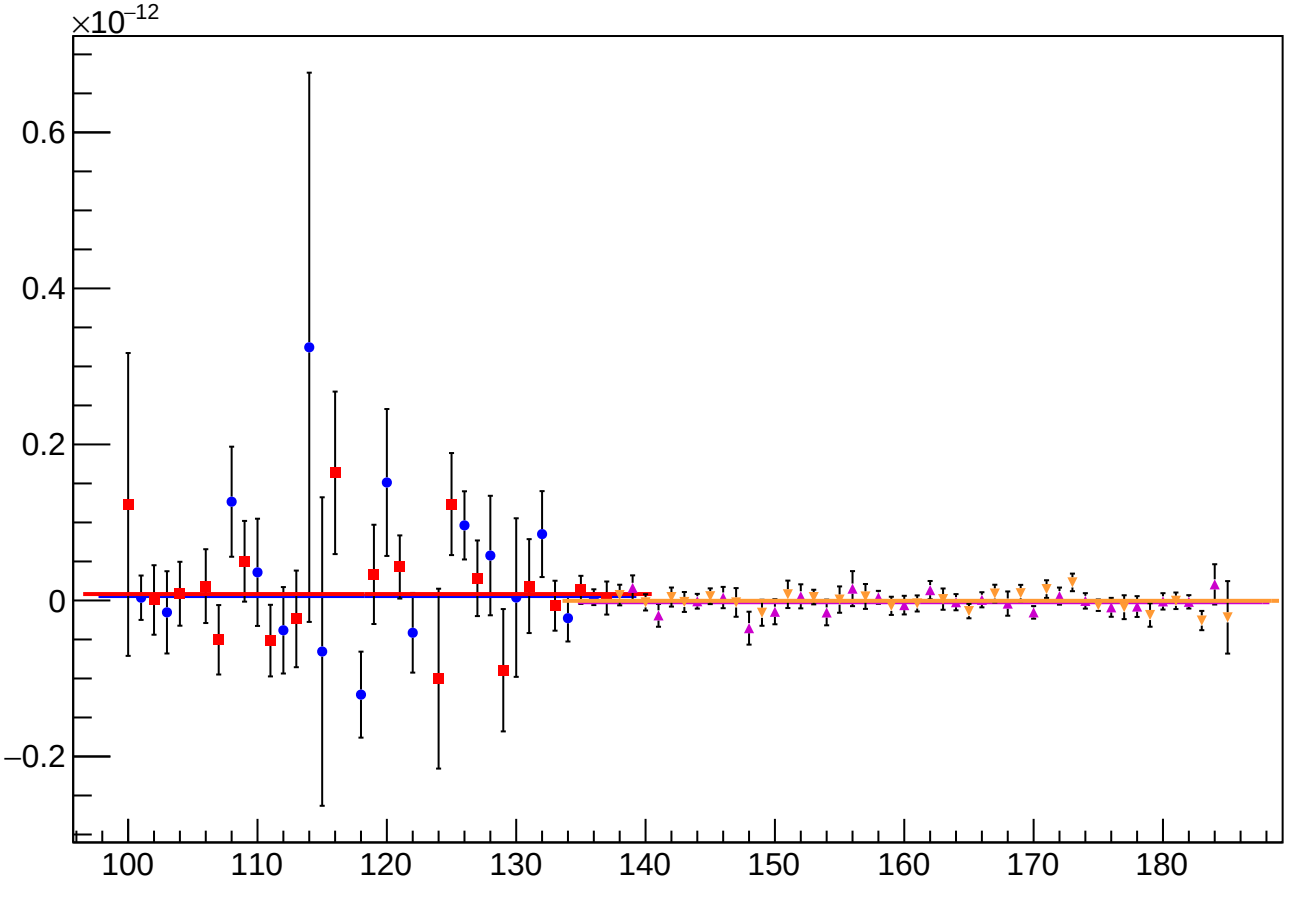
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 361.602+/-0.051 χ^2/NDF: 2390187.7/40

All: 363.409+/-0.036 χ^2/NDF: 4732218.9/82

- 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:19.2/24

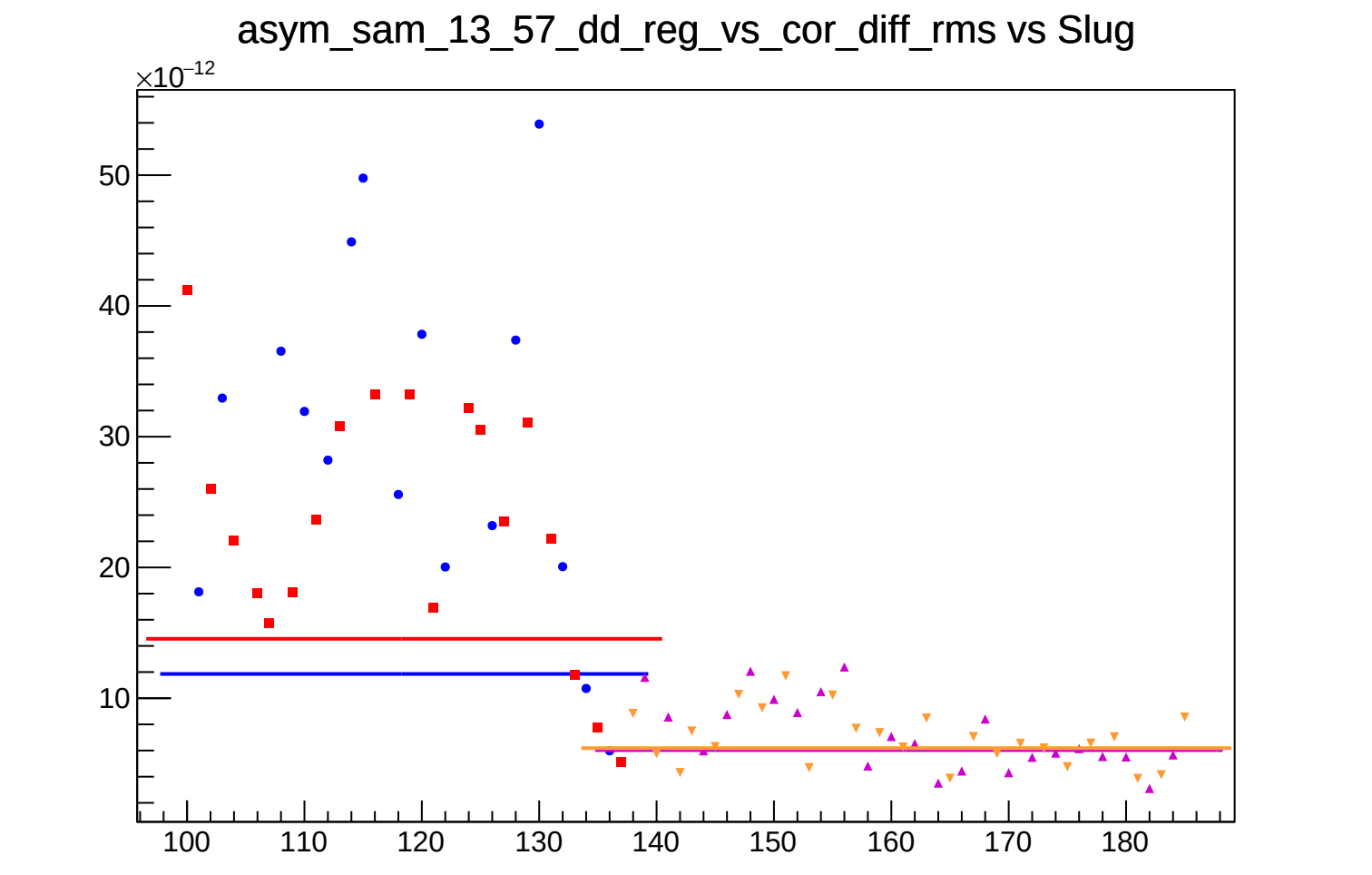
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

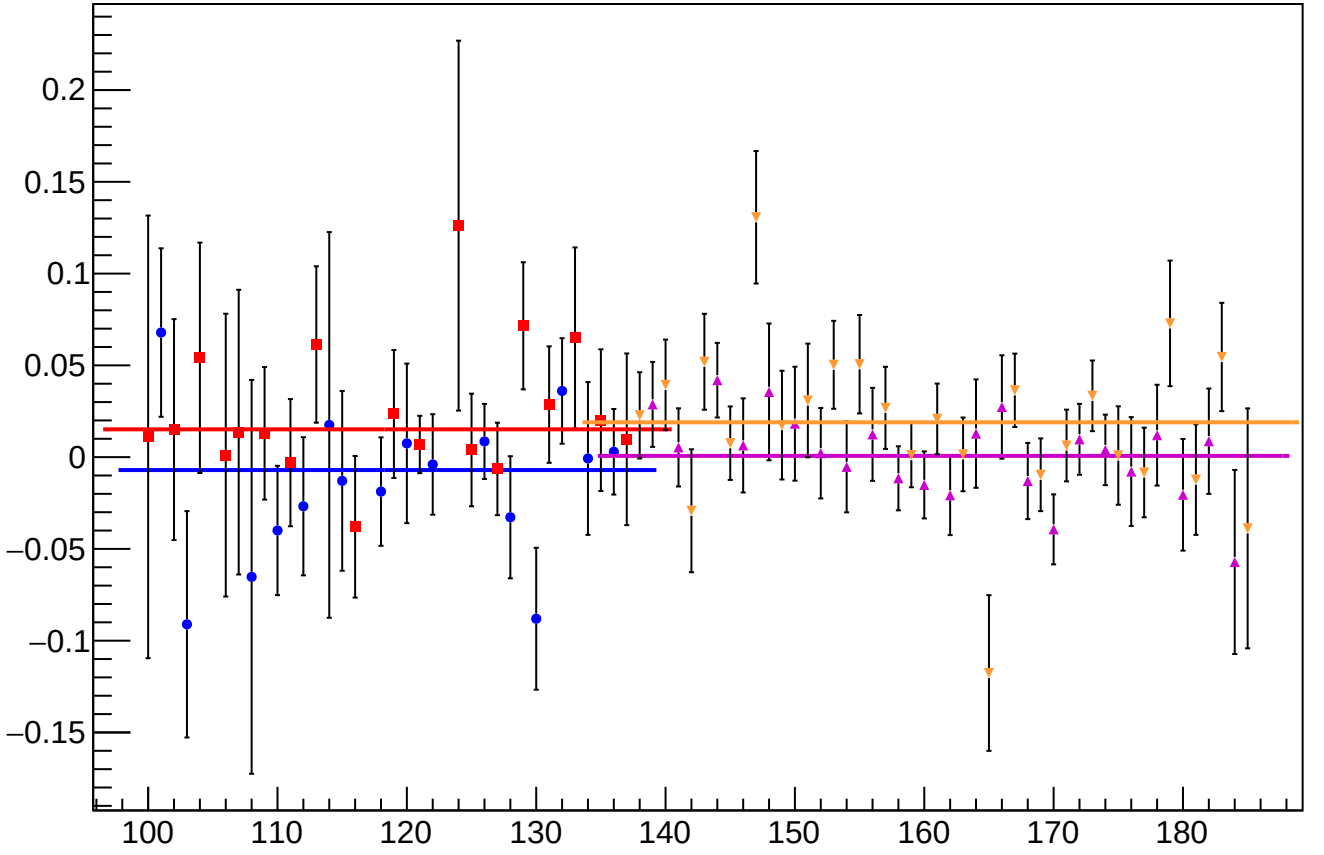
+ sign 0.000+/-0.000 χ^2/NDF: 40.8/40

All: -0.000+/-0.000 χ^2/NDF: 70.6/82

- sign -0.000+/-0.000 χ^2/NDF: 29.6/41


asym_sam_13_57_dd_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: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1159883.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1660677.6/22
+ sign 0.000+/-0.000 χ²/NDF: 4910303.8/40
All: 0.000+/-0.000 χ²/NDF: 9909995.5/82
- sign 0.000+/-0.000 χ²/NDF: 4999316.0/41

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

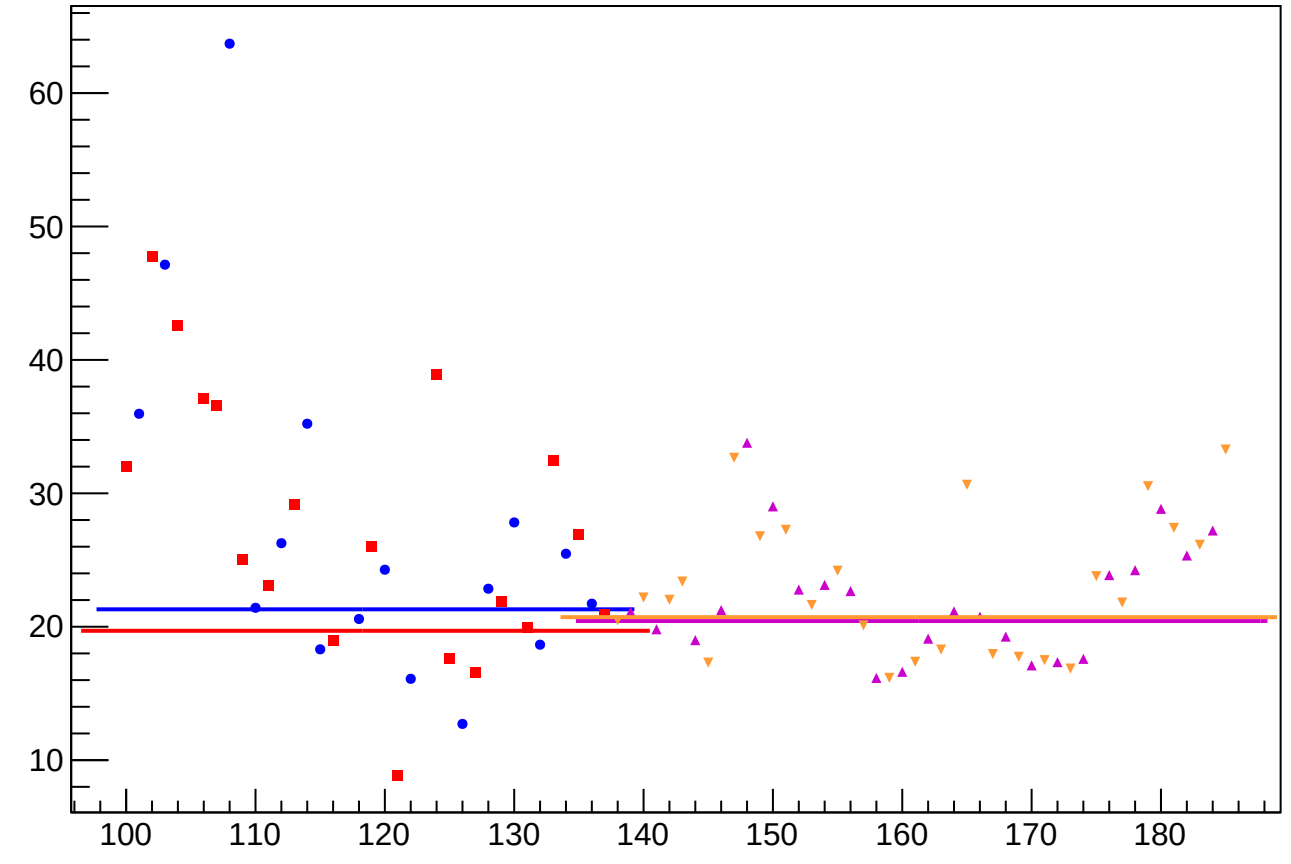
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 62.4/40

All: 0.009+/-0.003 χ^2/NDF: 94.3/82

- 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: 20.718+/-0.003 χ^2/NDF:1506374.1/24

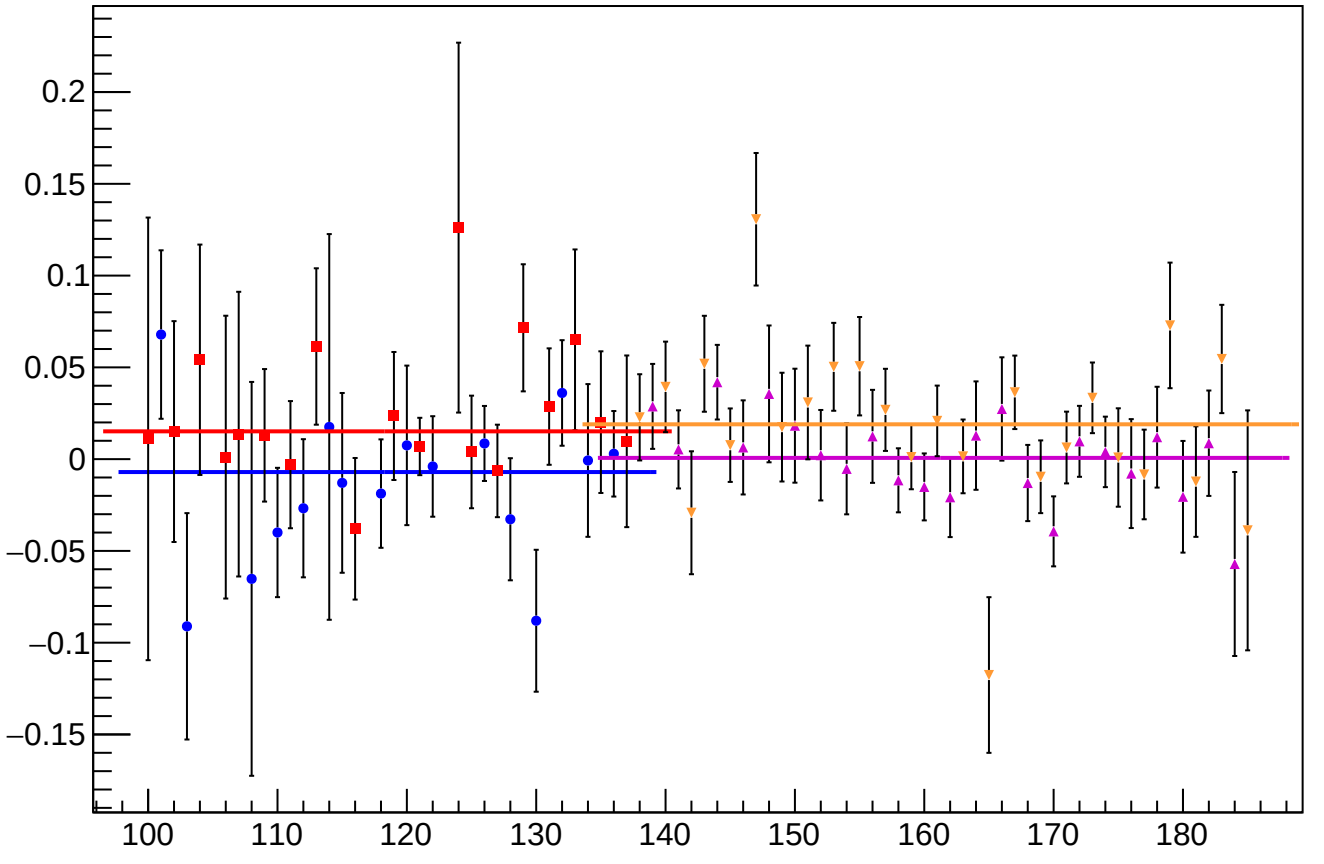
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.860+/-0.003 χ^2/NDF: 2992806.2/40

All: 20.547+/-0.002 χ^2/NDF: 6639144.4/82

- 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:41.2/24

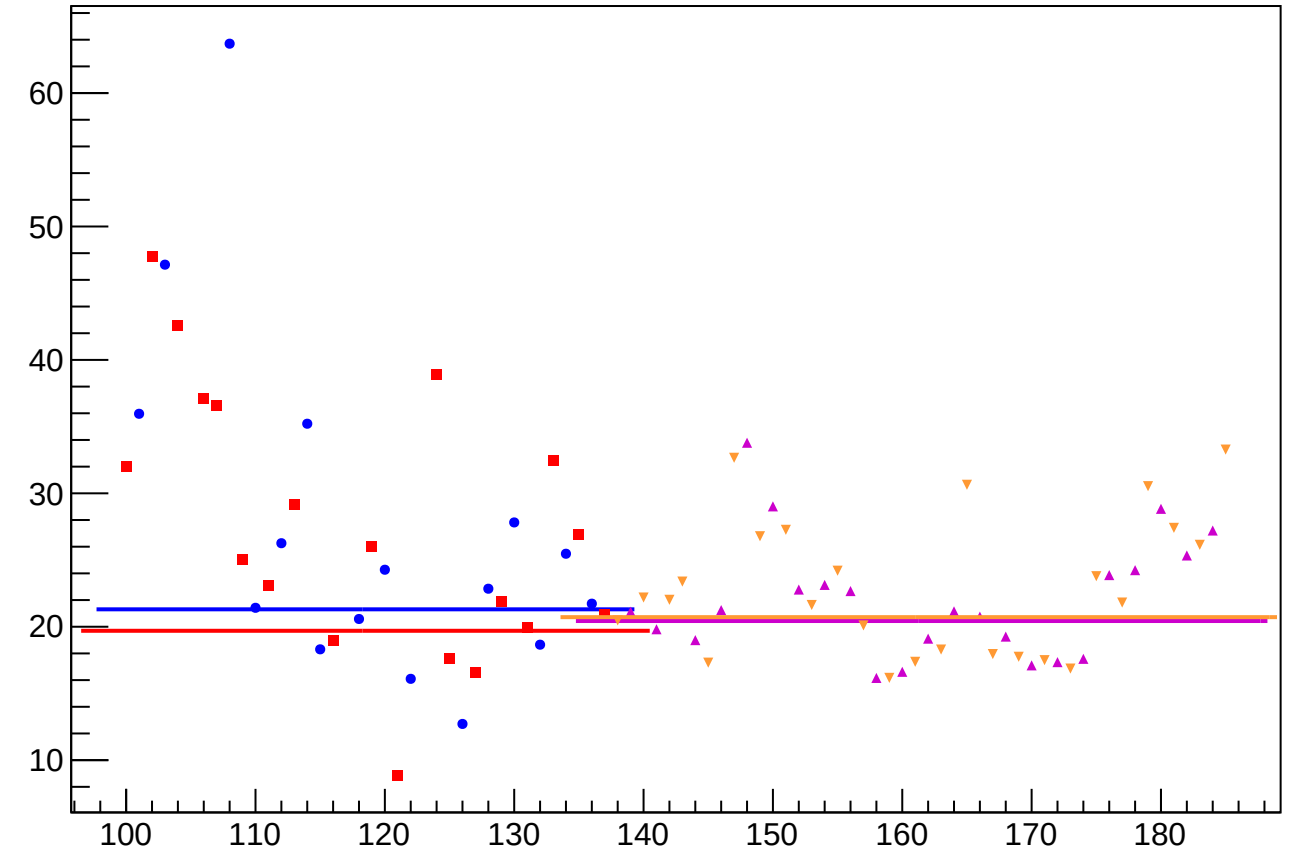
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 62.4/40

All: 0.009+/-0.003 χ^2/NDF: 94.3/82

- 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: 20.718+/-0.003 χ^2/NDF:1506374.1/24

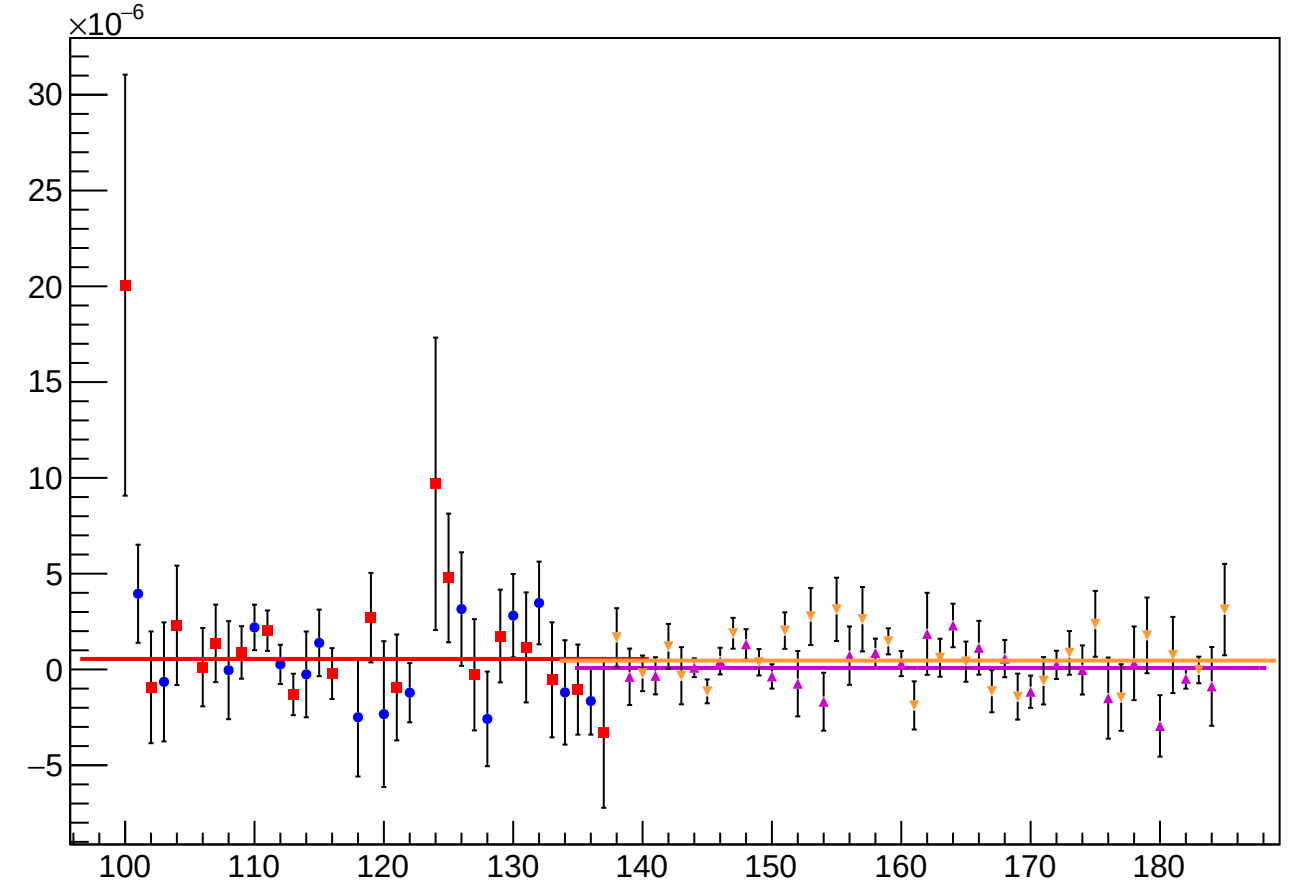
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.860+/-0.003 χ^2/NDF: 2992806.2/40

All: 20.547+/-0.002 χ^2/NDF: 6639144.4/82

- 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:36.7/24

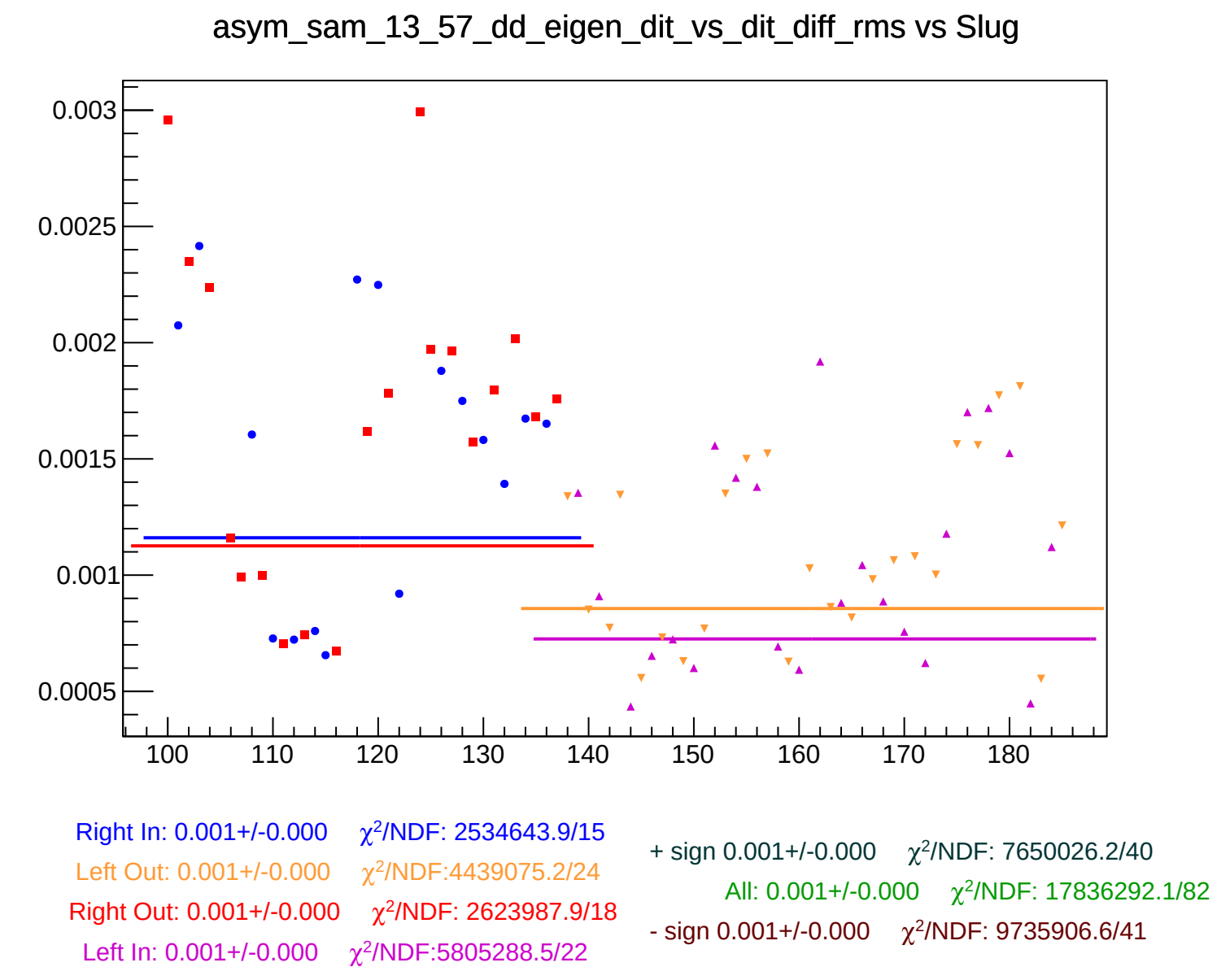
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

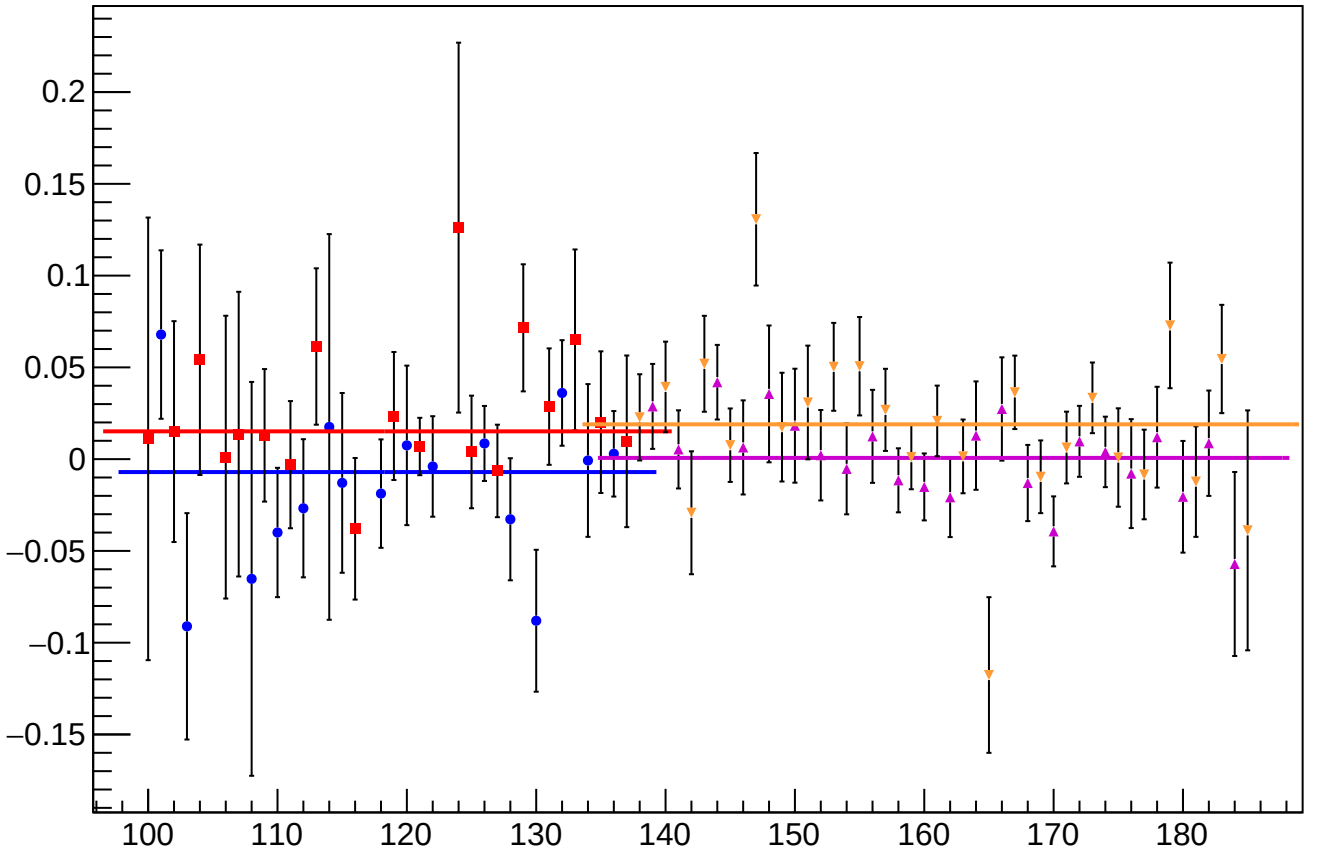
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/40

All: 0.000+/-0.000 χ^2/NDF: 88.6/82

- sign 0.000+/-0.000 χ^2/NDF: 35.8/41


asym_sam_13_57_dd_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: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:4439075.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:5805288.5/22
+ sign 0.001+/-0.000 χ²/NDF: 7650026.2/40
All: 0.001+/-0.000 χ²/NDF: 17836292.1/82
- sign 0.001+/-0.000 χ²/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:41.2/24

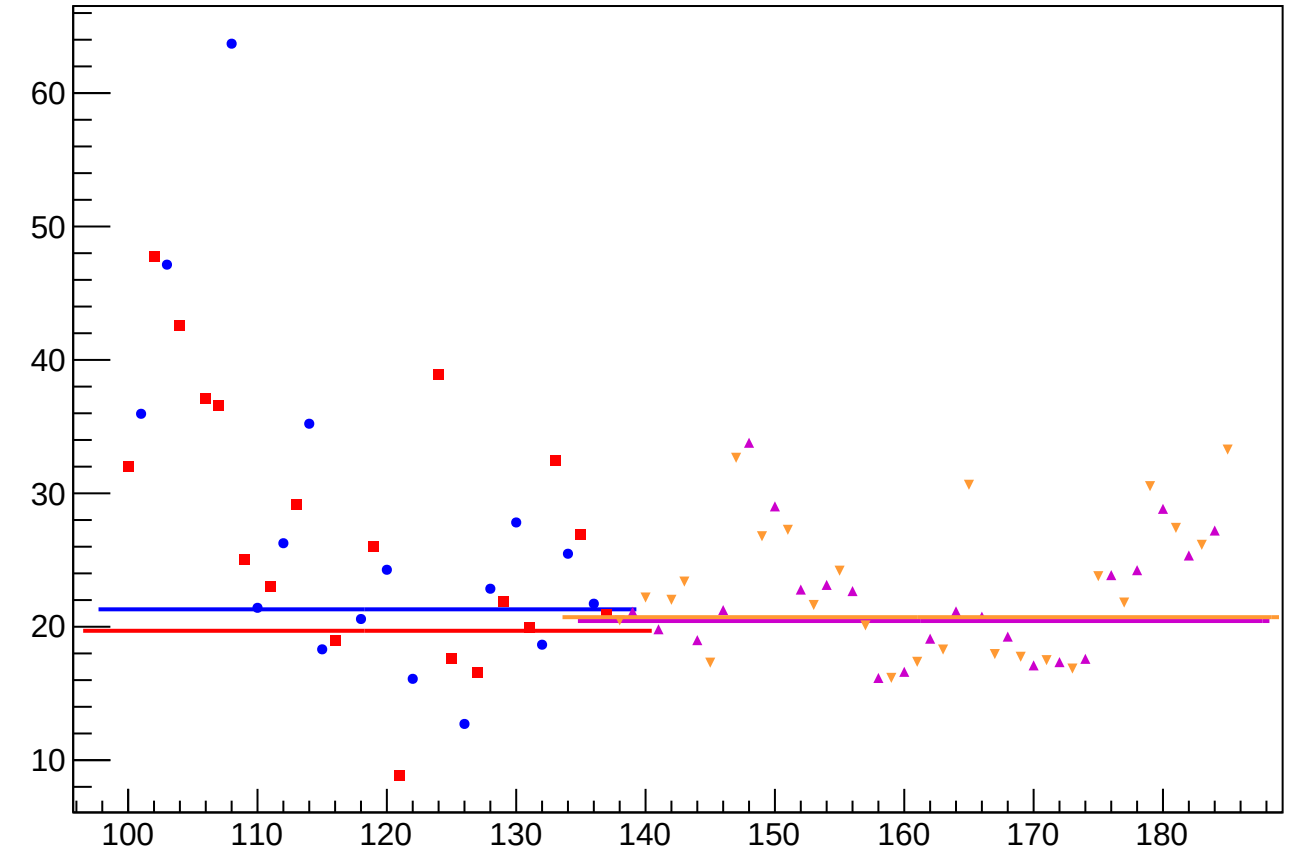
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 62.4/40

All: 0.009+/-0.003 χ^2/NDF: 94.3/82

- 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: 20.718+/-0.003 χ^2/NDF:1506475.9/24

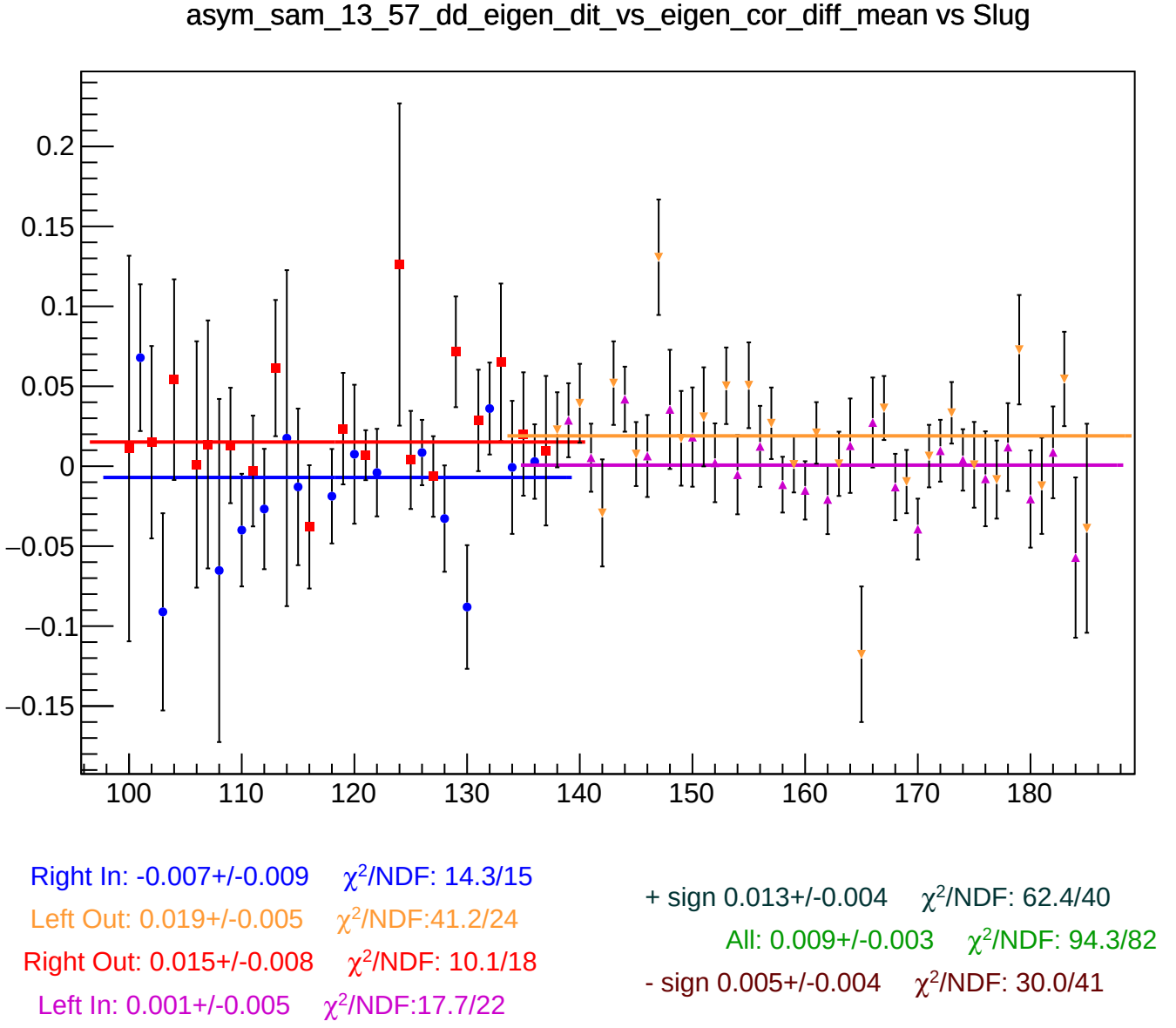
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

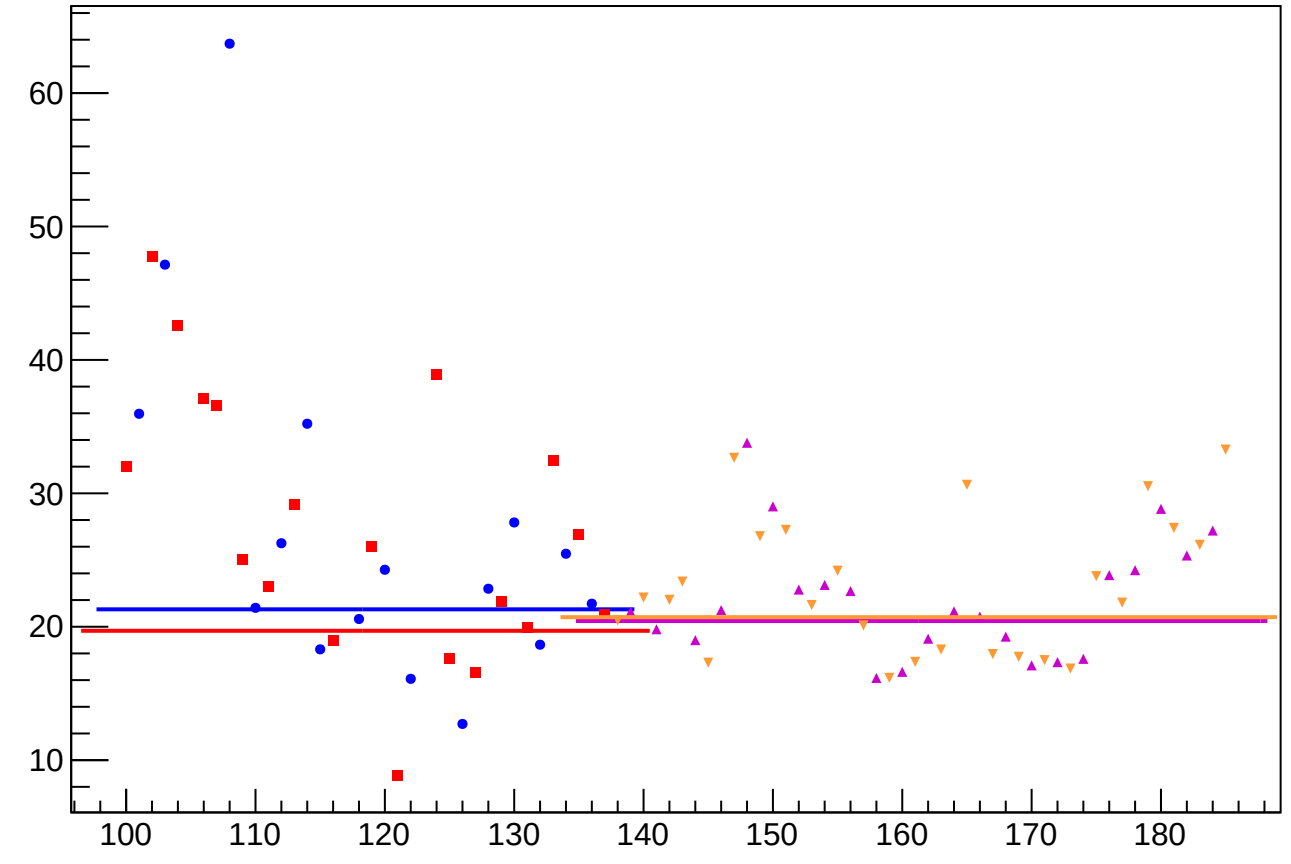
Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.860+/-0.003 χ^2/NDF: 2992749.5/40

All: 20.547+/-0.002 χ^2/NDF: 6638735.1/82

- sign 20.235+/-0.003 χ^2/NDF: 3624230.3/41


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.013+/-0.004 χ²/NDF: 62.4/40
All: 0.009+/-0.003 χ²/NDF: 94.3/82
- sign 0.005+/-0.004 χ²/NDF: 30.0/41



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

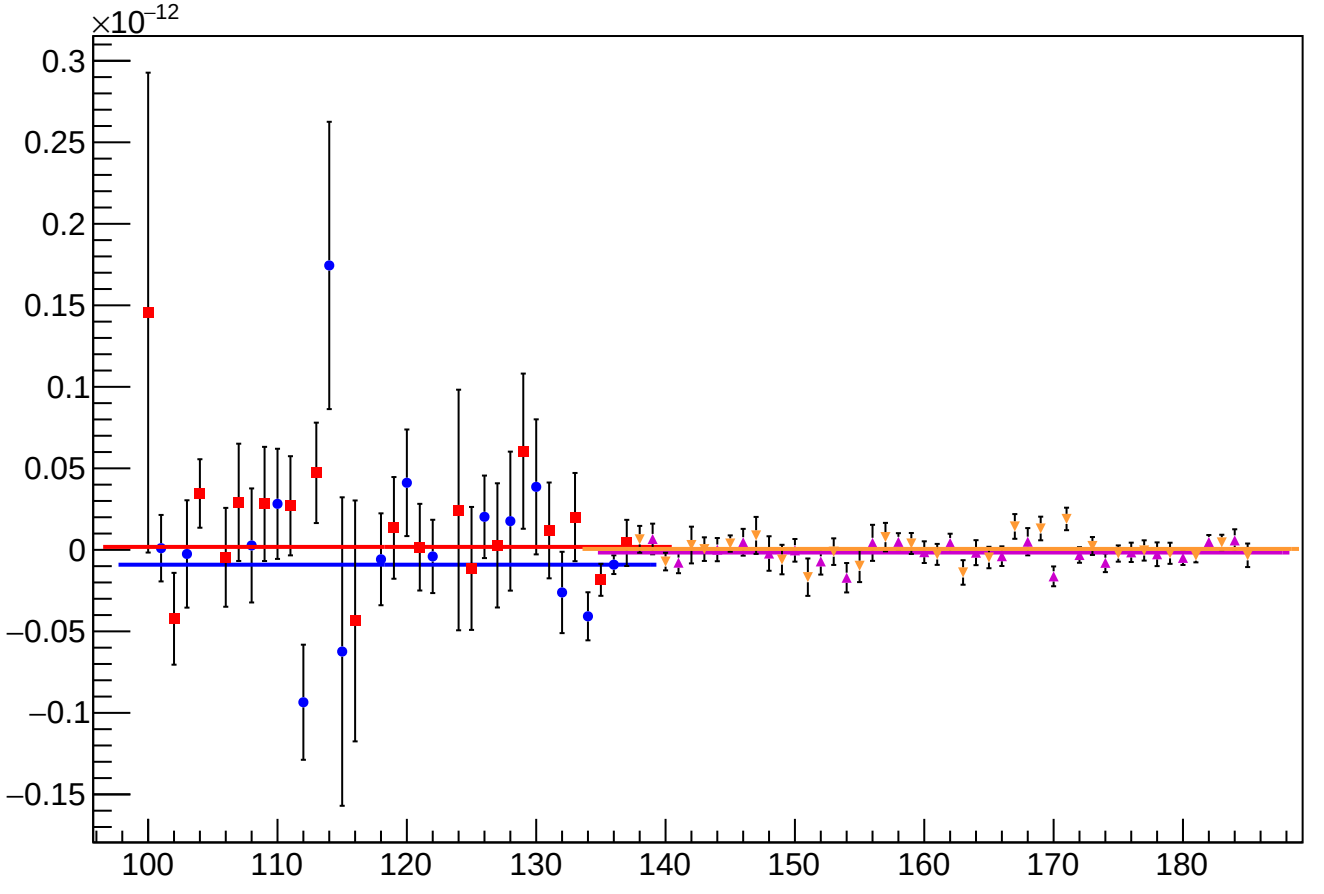
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.860+/-0.003 χ^2/NDF: 2992749.5/40

All: 20.547+/-0.002 χ^2/NDF: 6638735.1/82

- 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:29.0/24

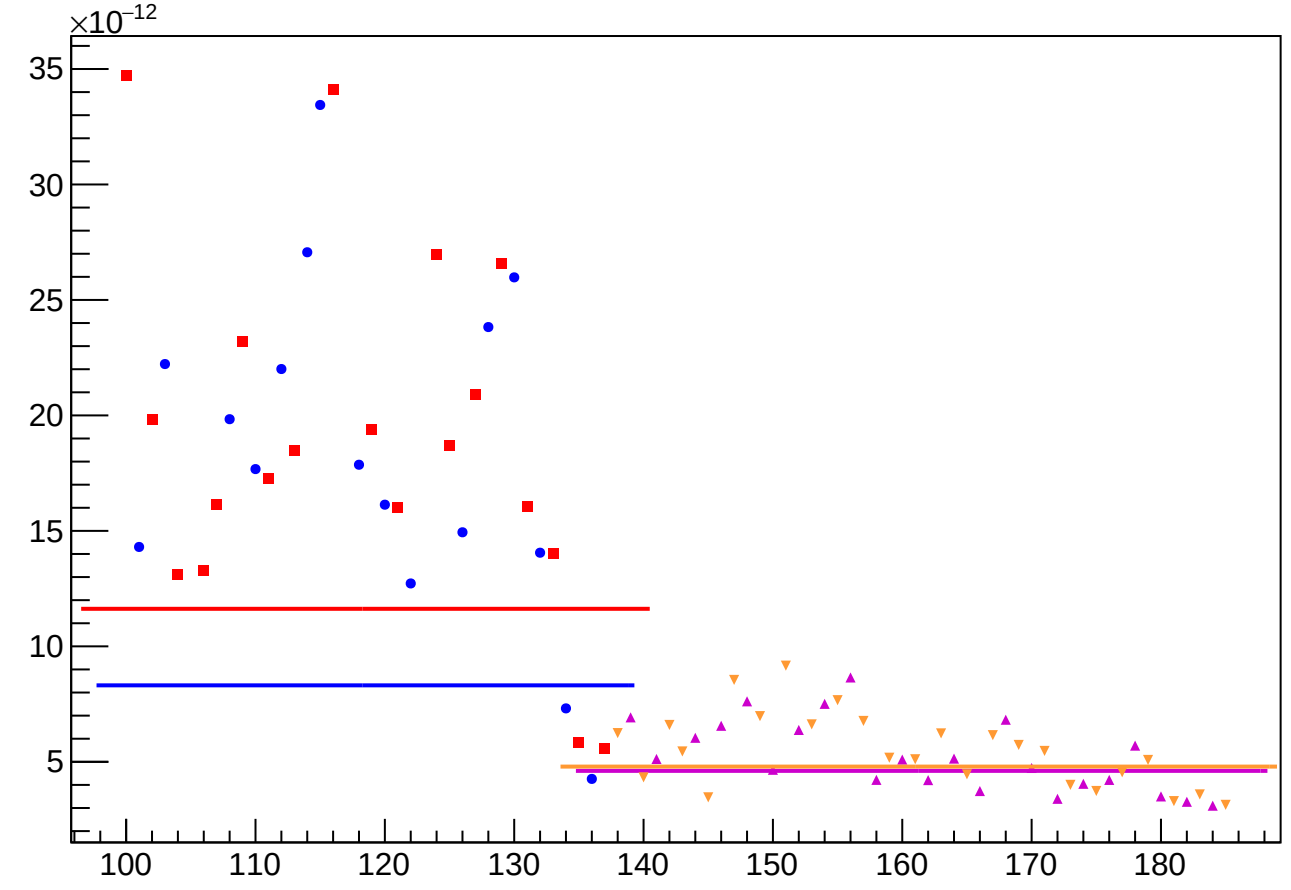
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.9/40

All: -0.000+/-0.000 χ^2/NDF: 94.3/82

- 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:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

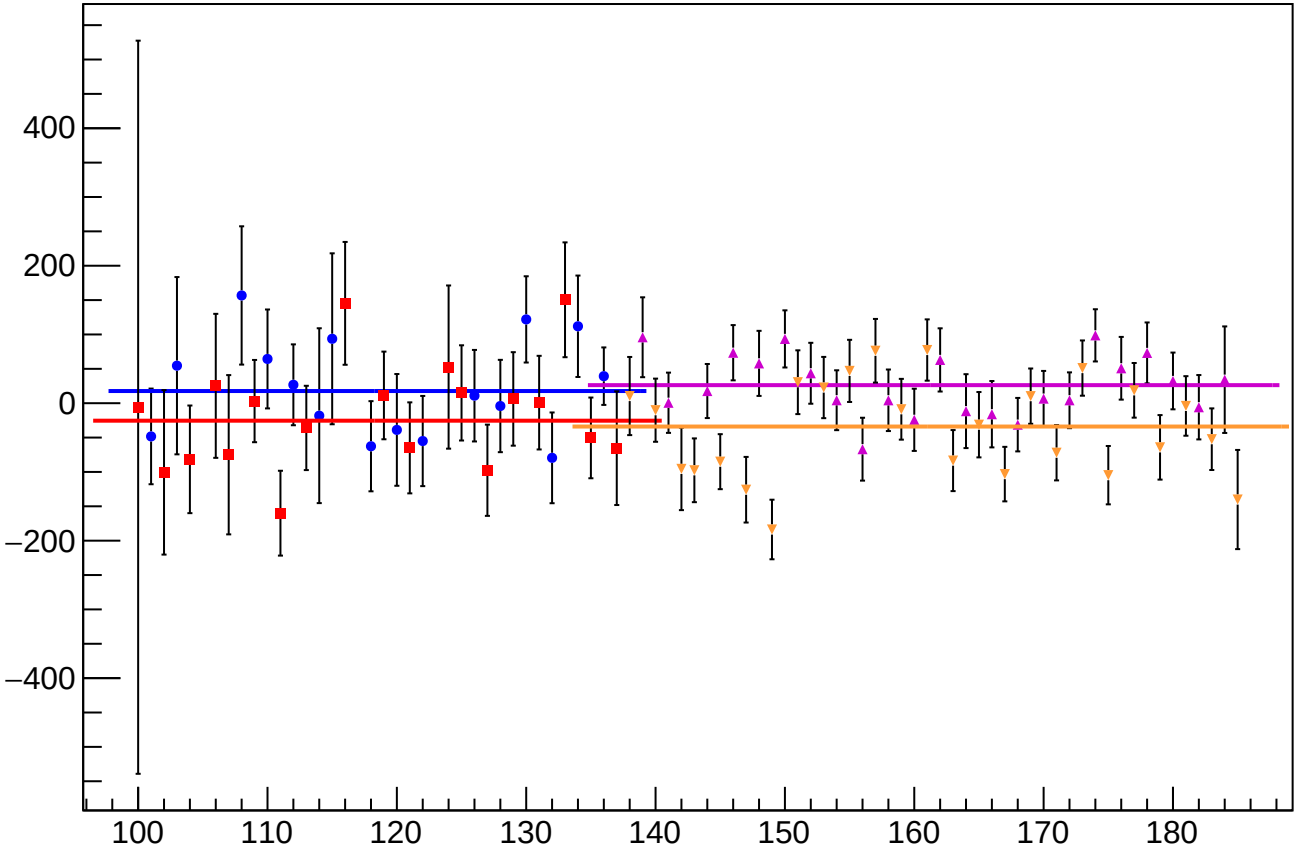
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6977808.8/40

All: 0.000+/-0.000 χ^2/NDF: 14390607.5/82

- 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: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

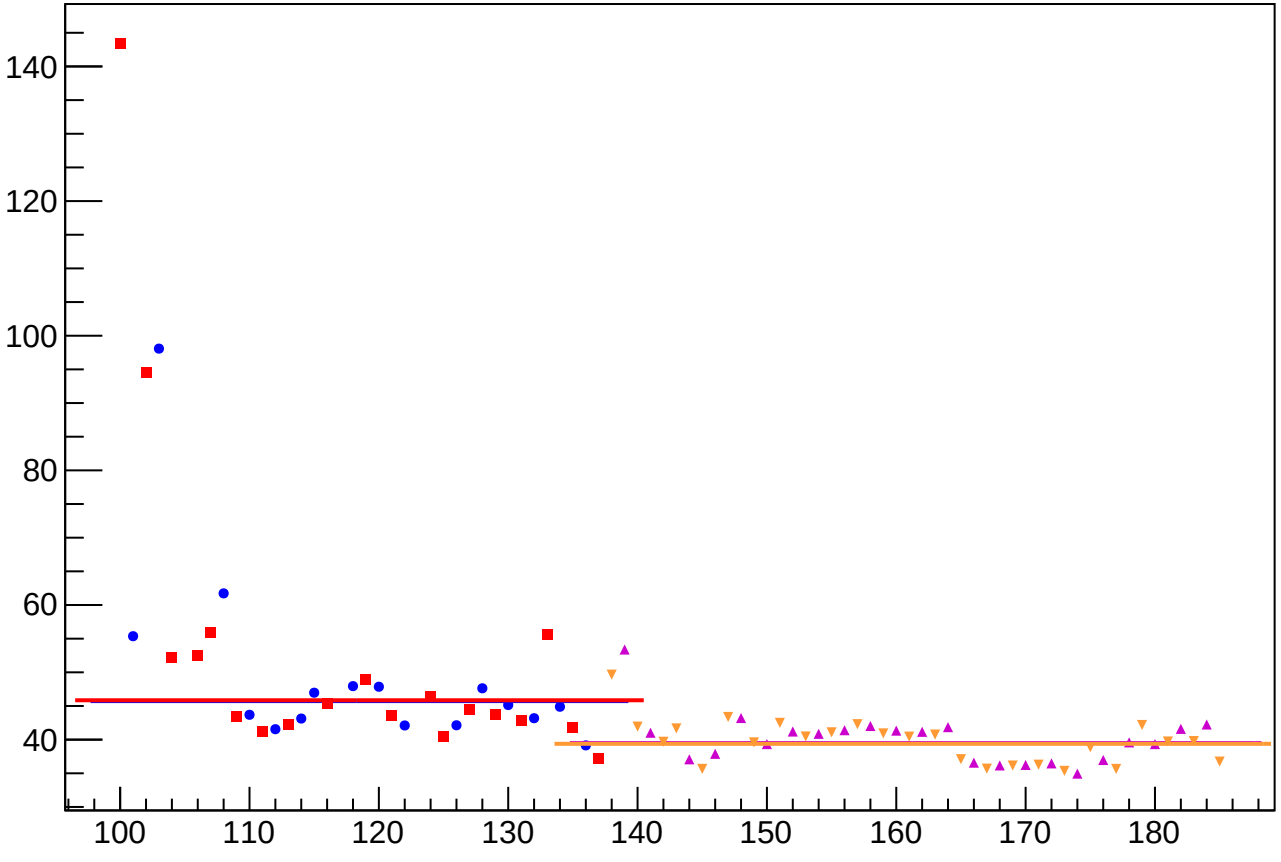
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.134+/-7.996 χ^2/NDF: 79.6/40

All: -4.605+/-5.717 χ^2/NDF: 137.8/82

- 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: 39.383+/-0.006 χ^2/NDF:228799.9/24

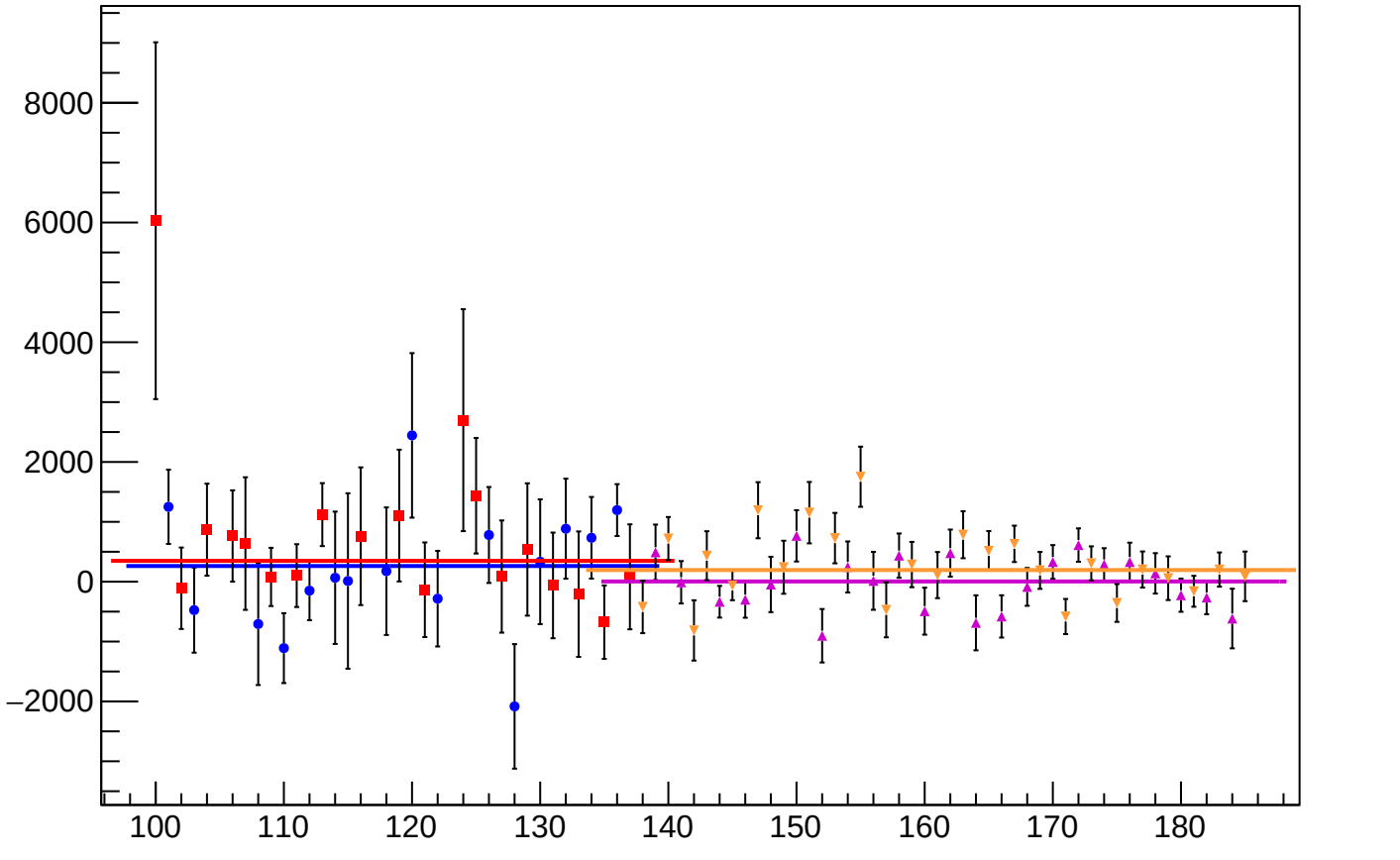
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.712+/-0.006 χ^2/NDF: 938753.9/40

All: 40.806+/-0.004 χ^2/NDF: 1940476.1/82

- sign 40.905+/-0.006 χ^2/NDF: 1001150.7/41



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

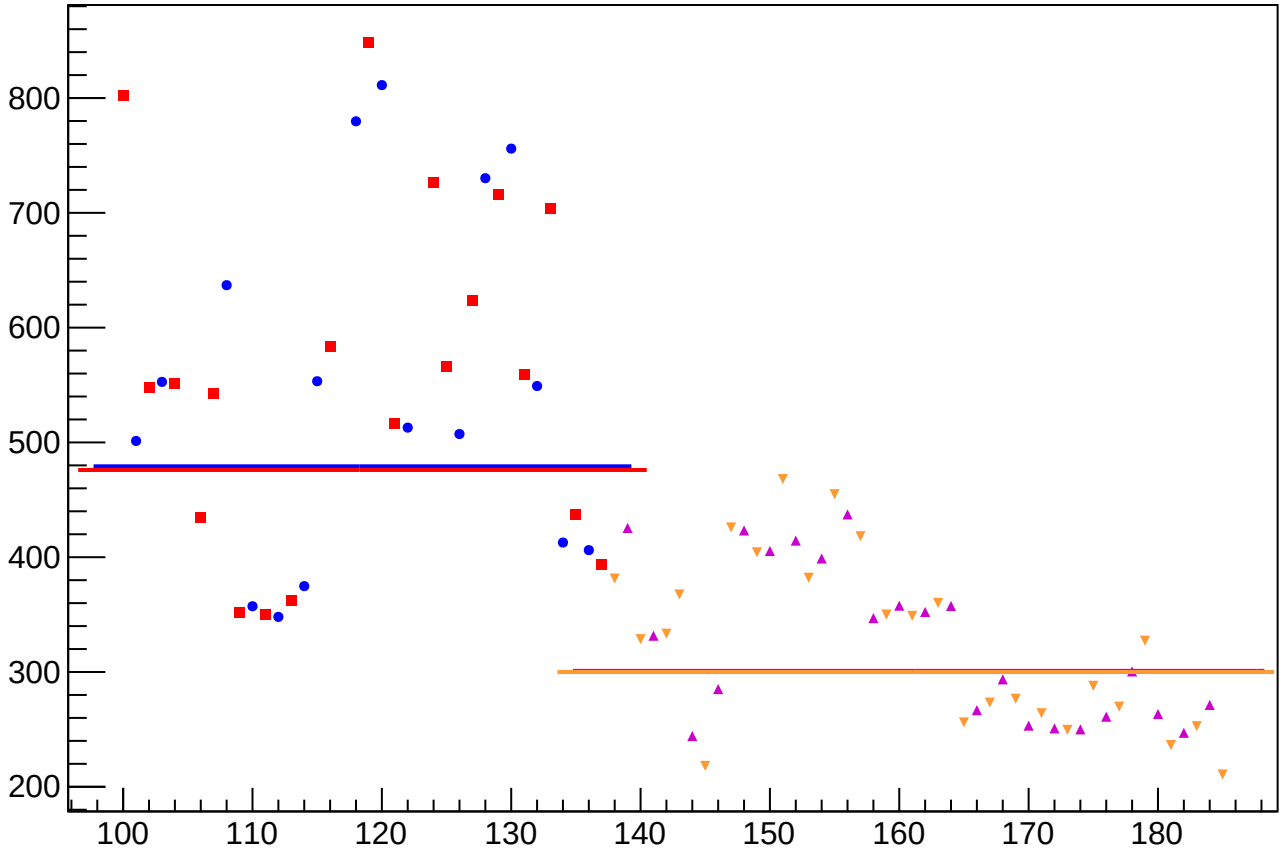
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 203.412+/-65.555 χ^2/NDF: 73.7/40

All: 128.829+/-46.812 χ^2/NDF: 126.8/82

- 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: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

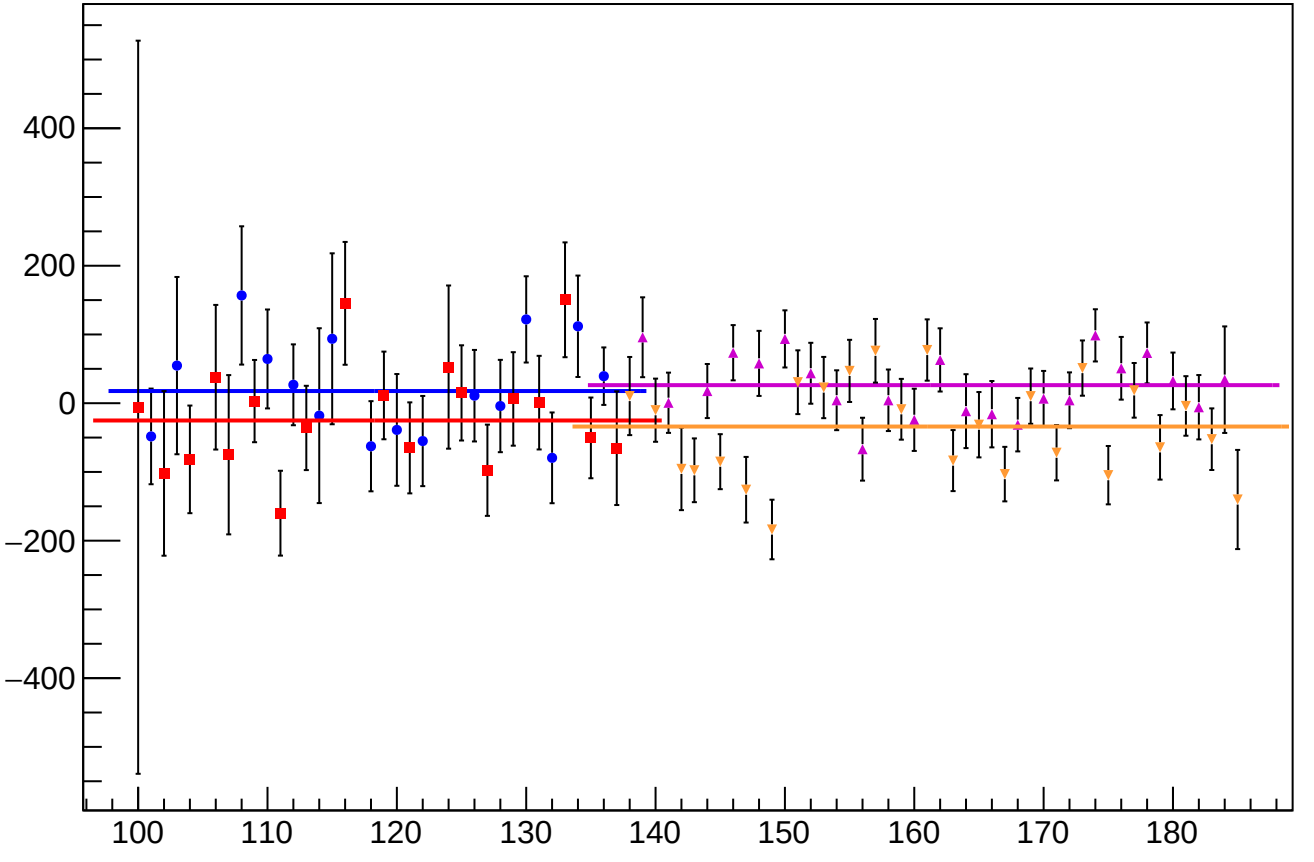
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 322.427+/-0.046 χ^2/NDF: 4398907.7/40

All: 323.672+/-0.033 χ^2/NDF: 8433128.3/82

- 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: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

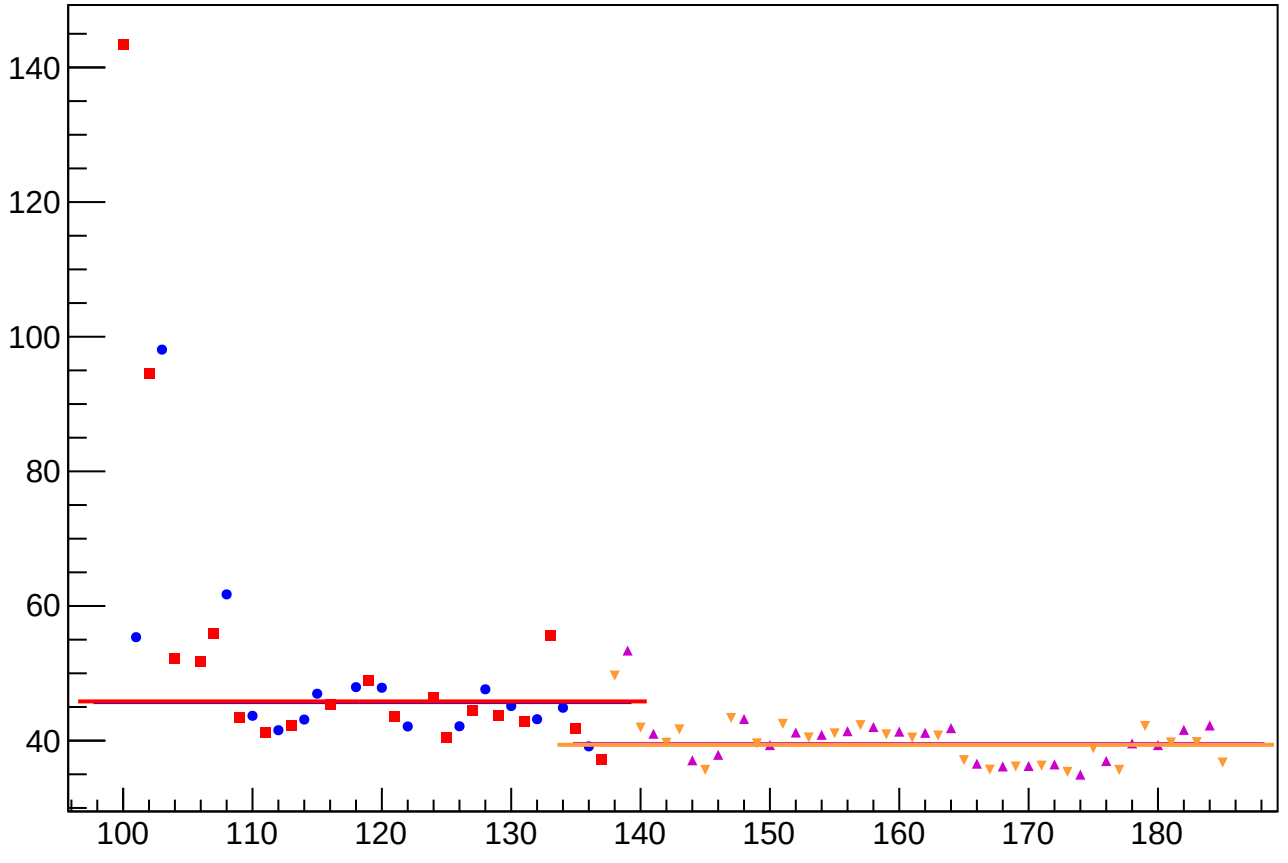
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.133+/-7.996 χ^2/NDF: 79.6/40

All: -4.571+/-5.717 χ^2/NDF: 137.9/82

- 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: 39.383+/-0.006 χ^2/NDF:228799.9/24

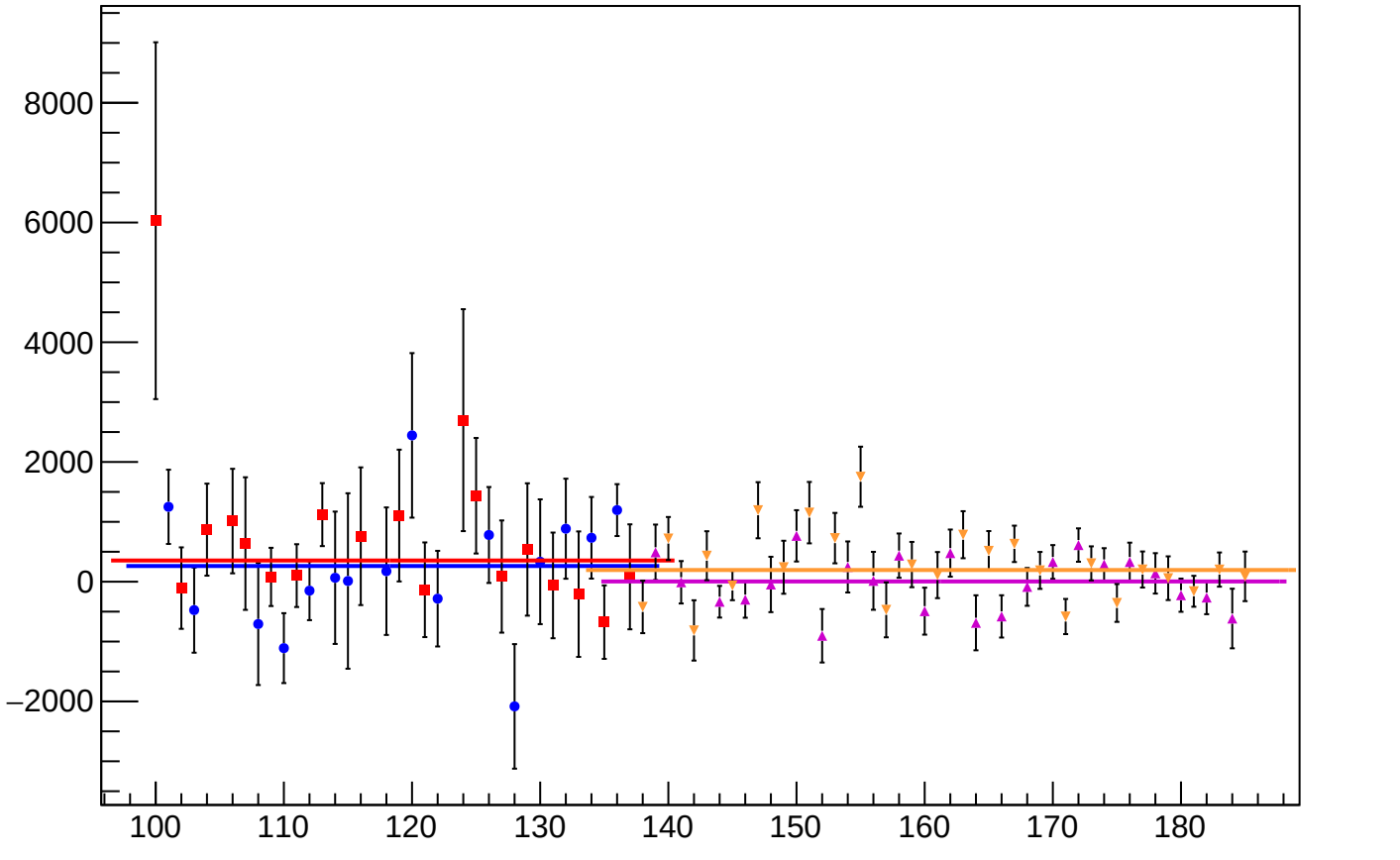
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.712+/-0.006 χ^2/NDF: 938756.8/40

All: 40.803+/-0.004 χ^2/NDF: 1937150.8/82

- 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: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

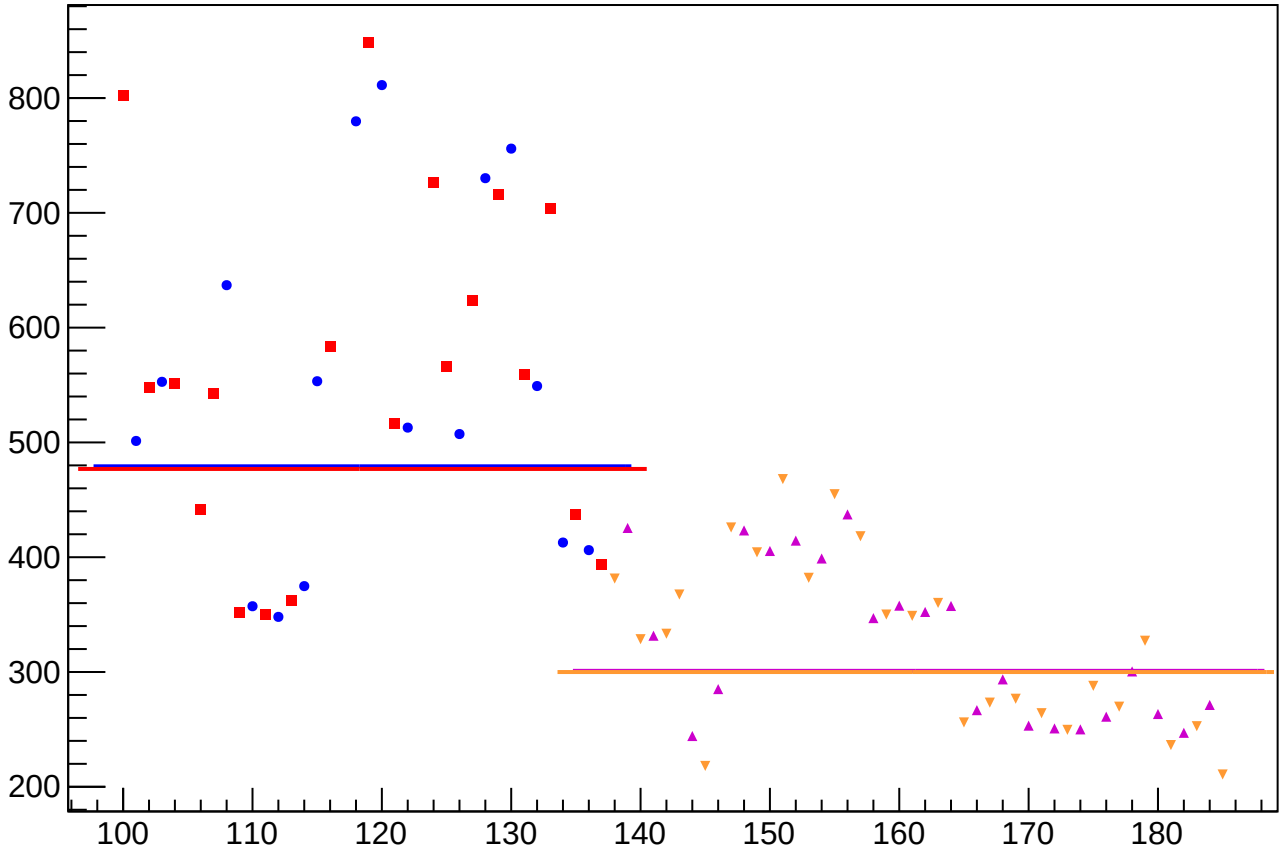
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 203.412+/-65.555 χ^2/NDF: 73.7/40

All: 128.997+/-46.833 χ^2/NDF: 127.1/82

- sign 51.426+/-66.931 χ^2/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: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

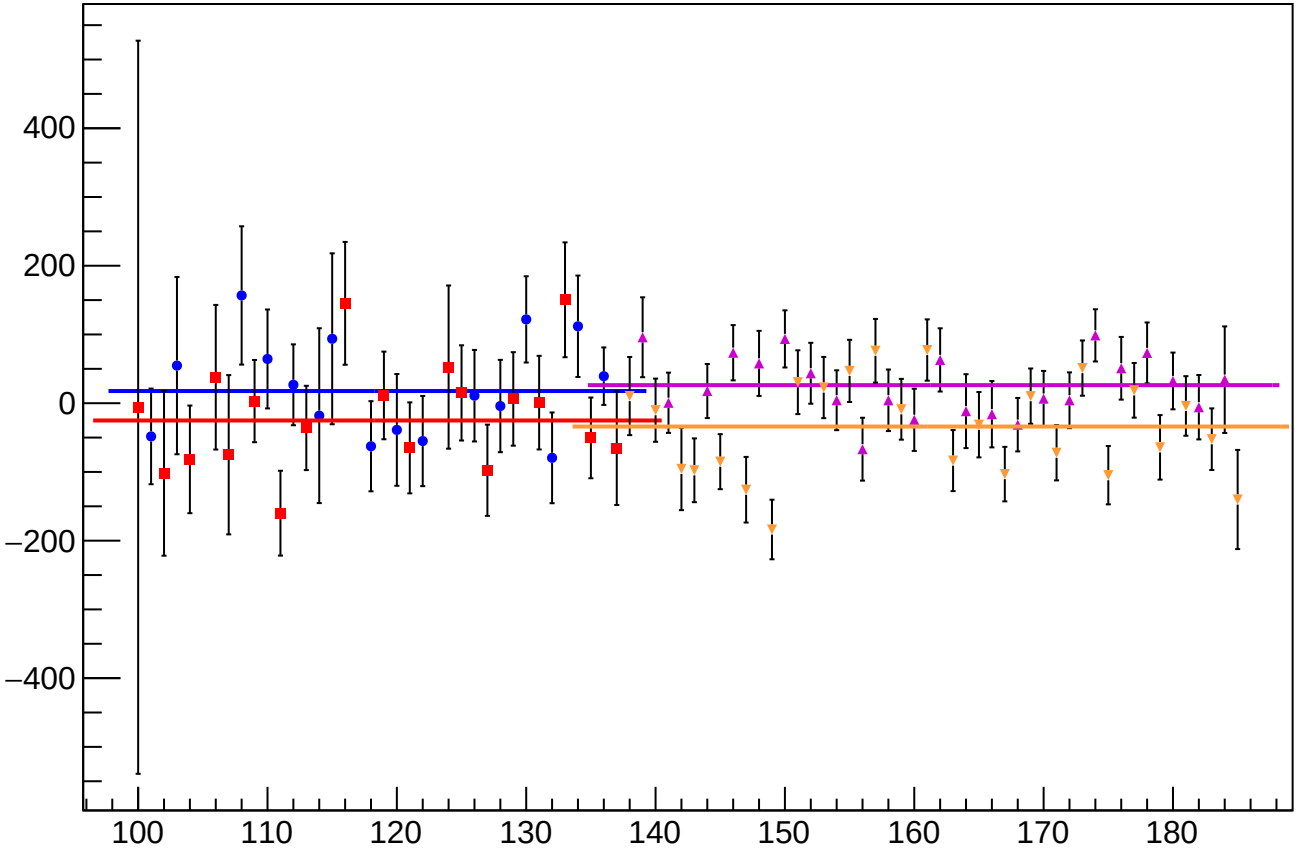
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 322.427+/-0.046 χ^2/NDF: 4398951.5/40

All: 323.595+/-0.033 χ^2/NDF: 8428082.2/82

- 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: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

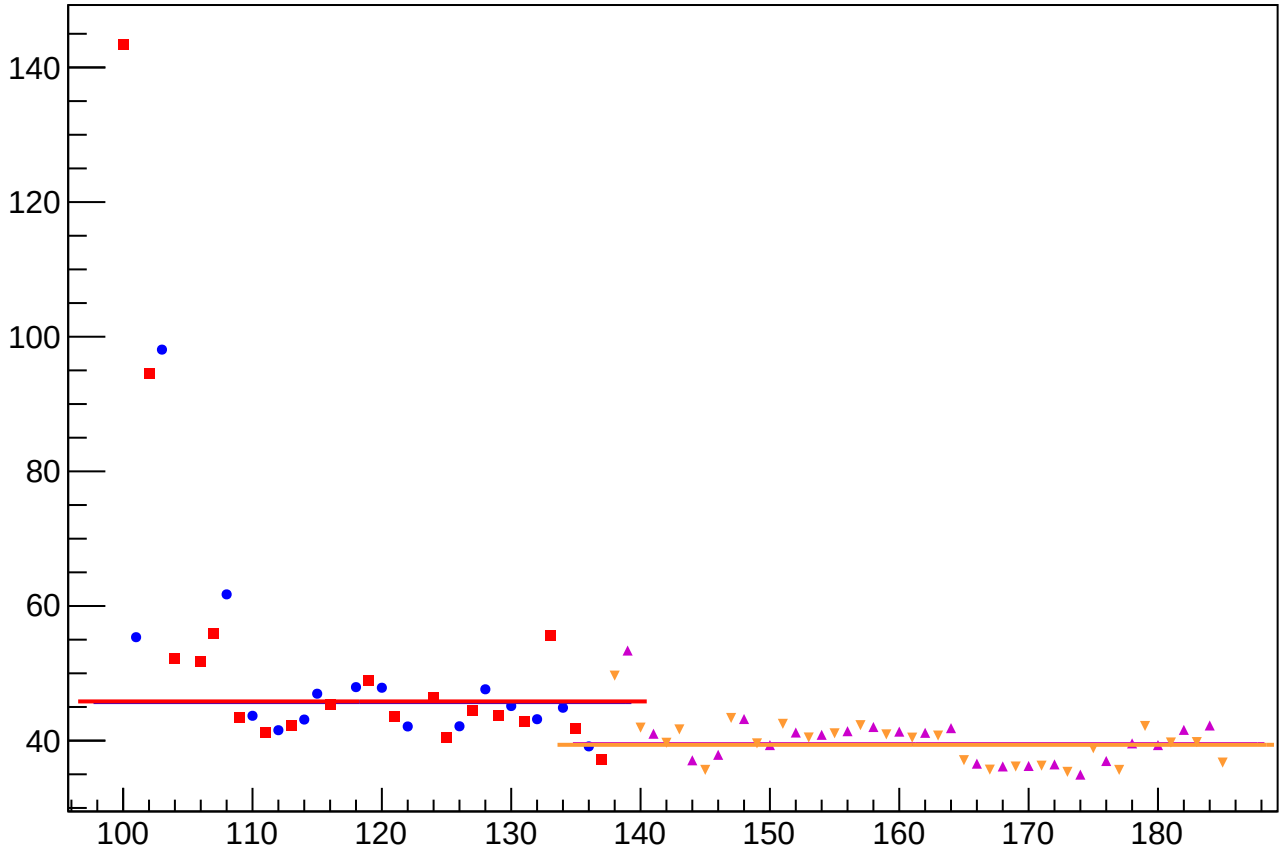
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.133+/-7.996 χ^2/NDF: 79.6/40

All: -4.571+/-5.717 χ^2/NDF: 137.9/82

- 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: 39.383+/-0.006 χ^2/NDF:228799.9/24

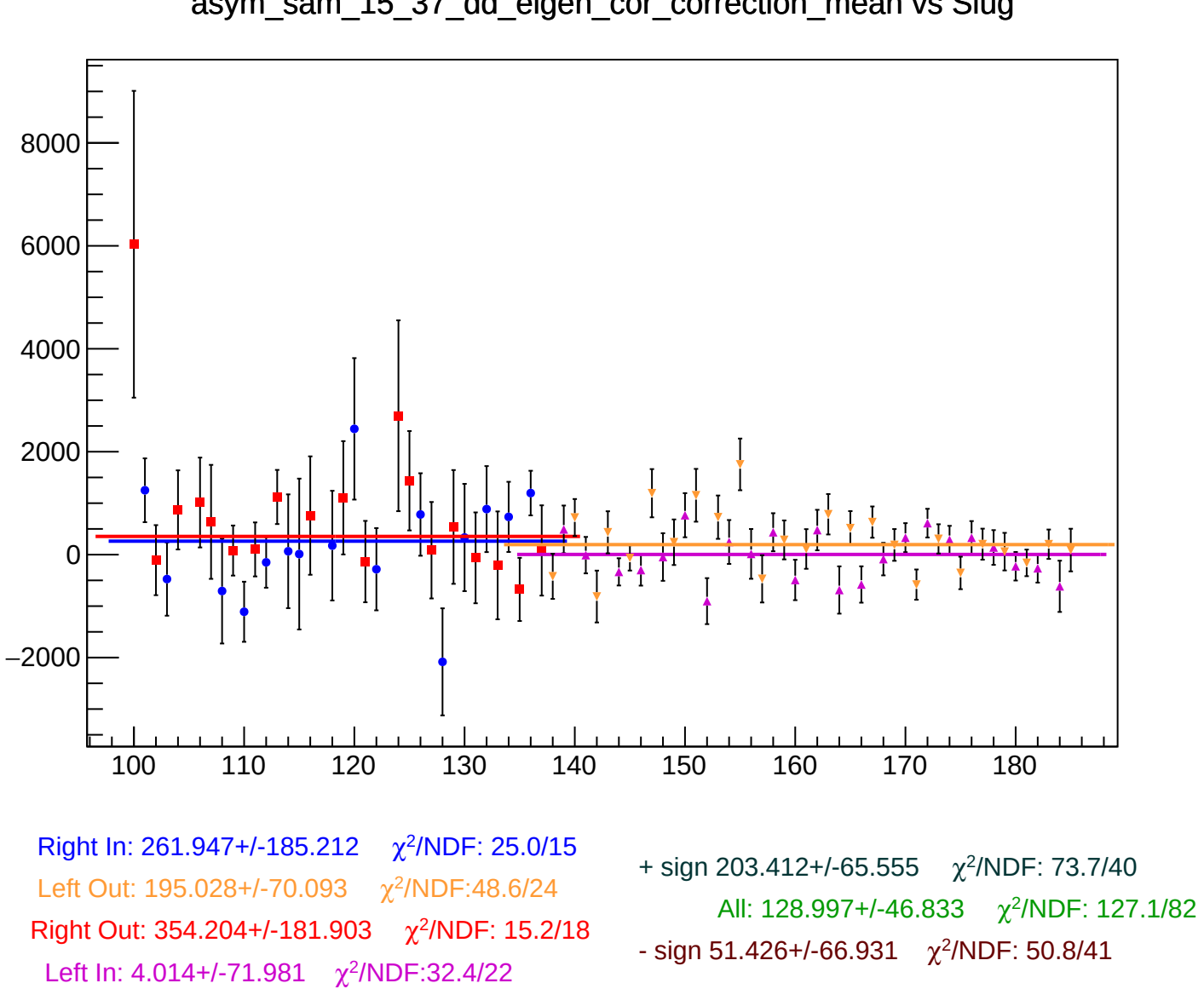
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

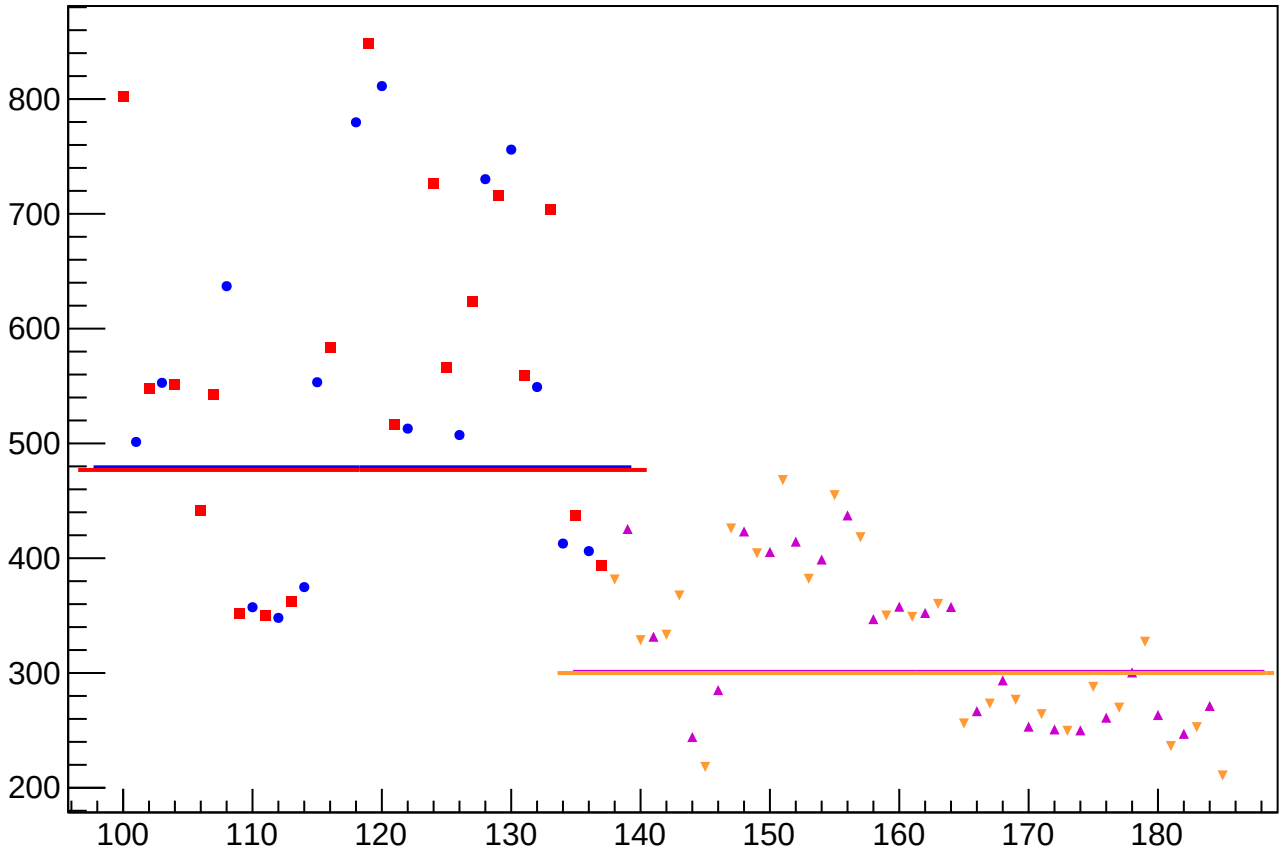
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.712+/-0.006 χ^2/NDF: 938756.8/40

All: 40.803+/-0.004 χ^2/NDF: 1937150.8/82

- sign 40.899+/-0.006 χ^2/NDF: 997855.2/41


asym_sam_15_37_dd_eigen_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: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 203.412+/-65.555 χ²/NDF: 73.7/40
All: 128.997+/-46.833 χ²/NDF: 127.1/82
- sign 51.426+/-66.931 χ²/NDF: 50.8/41



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

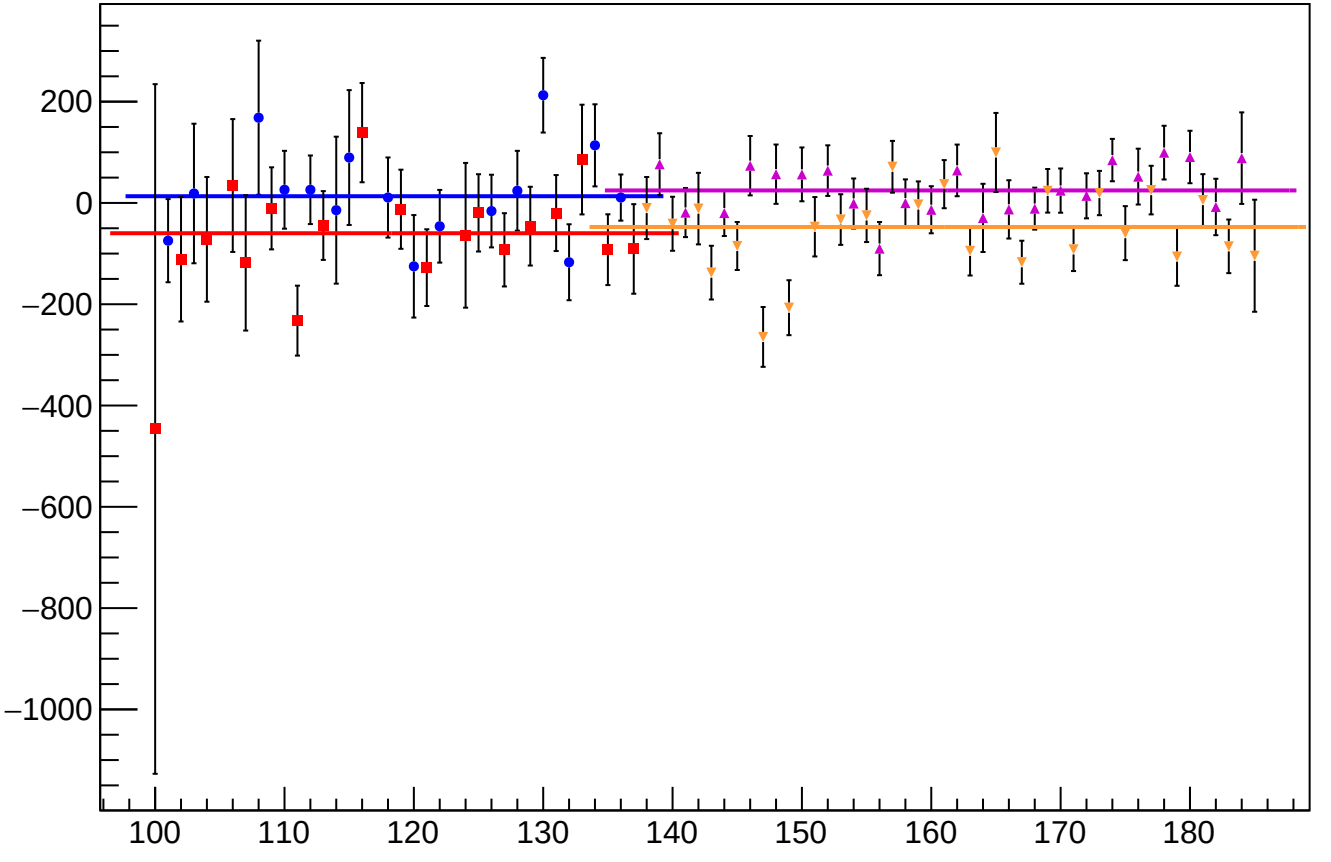
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 322.427+/-0.046 χ^2/NDF: 4398951.5/40

All: 323.595+/-0.033 χ^2/NDF: 8428082.2/82

- 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: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

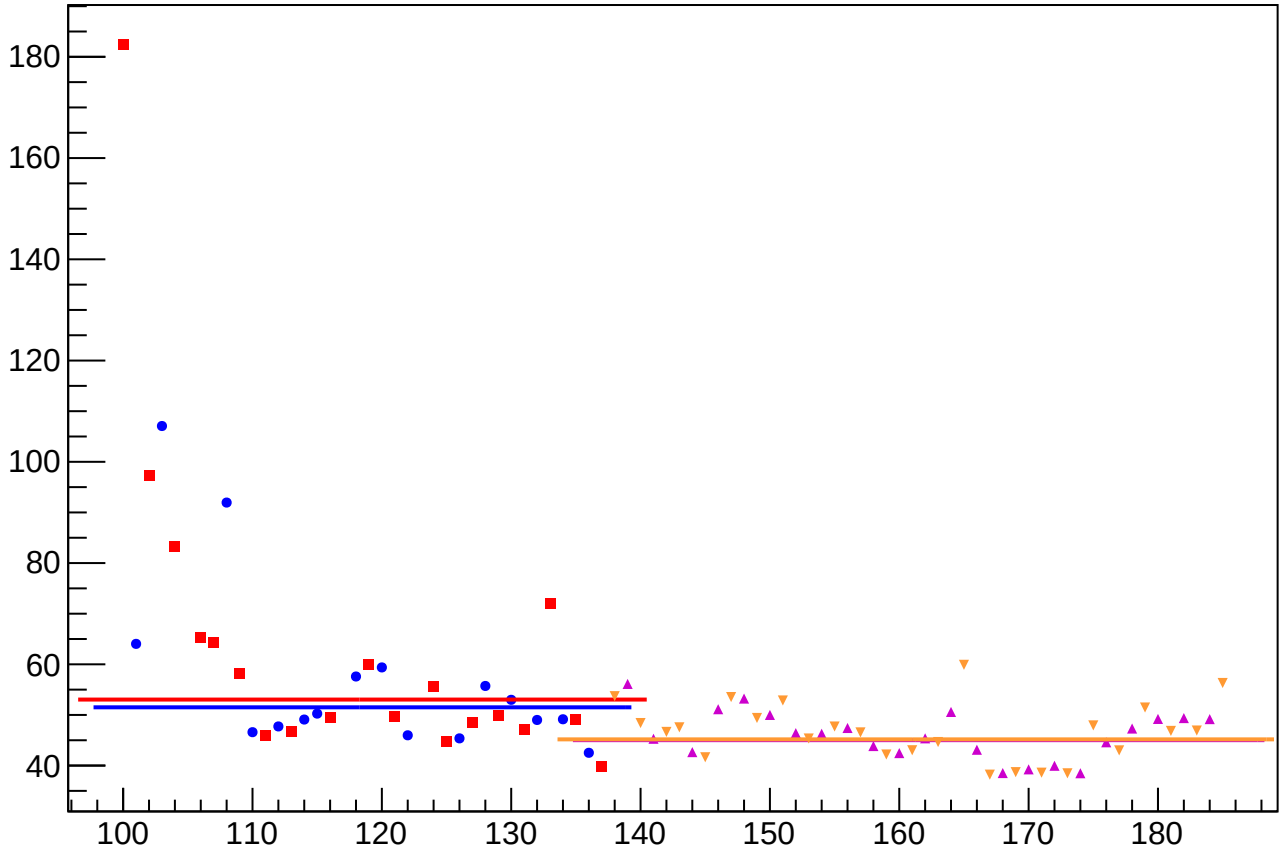
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.411+/-9.207 χ^2/NDF: 79.3/40

All: -14.531+/-6.588 χ^2/NDF: 138.3/82

- 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: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

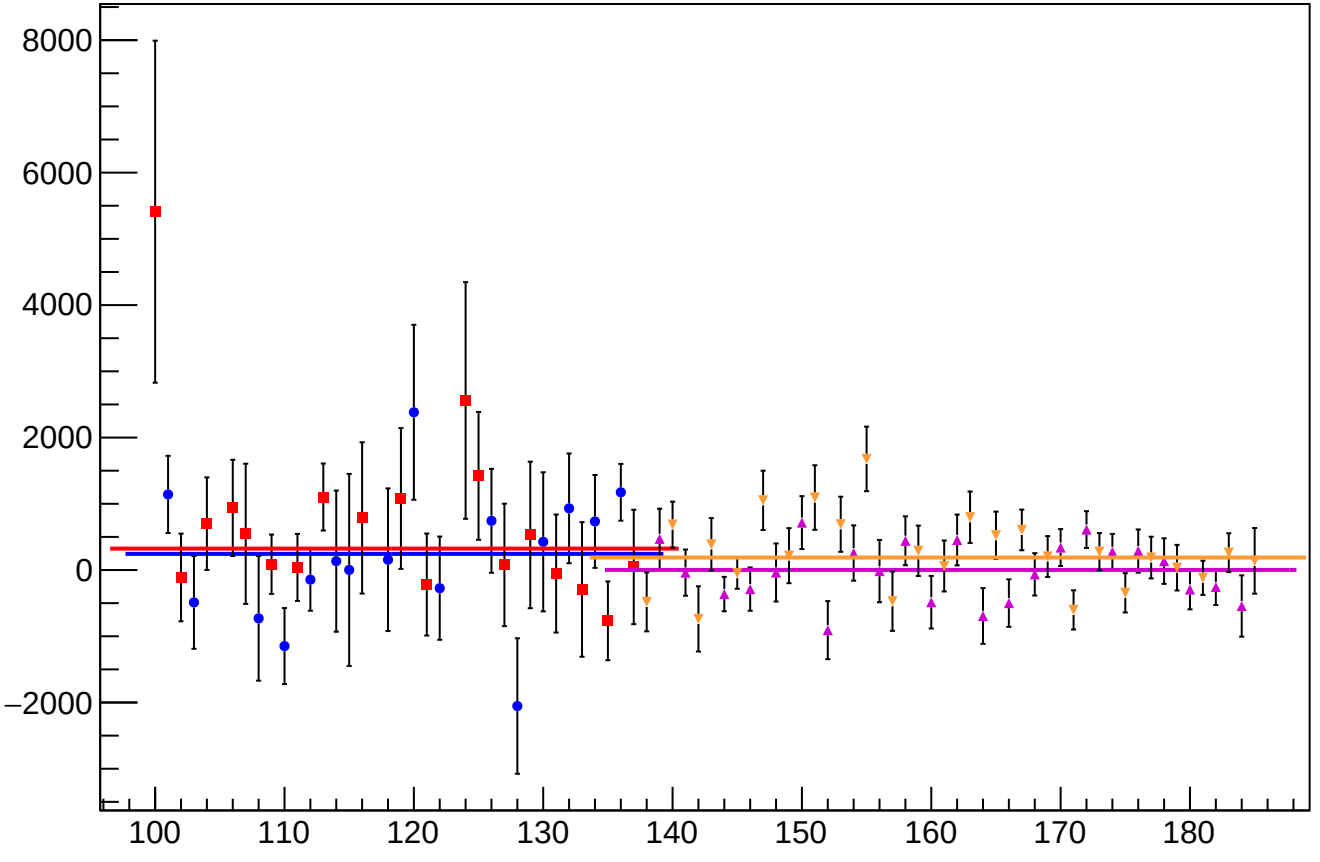
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 46.537+/-0.007 χ^2/NDF: 1316587.4/40

All: 46.646+/-0.005 χ^2/NDF: 2648703.5/82

- 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: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

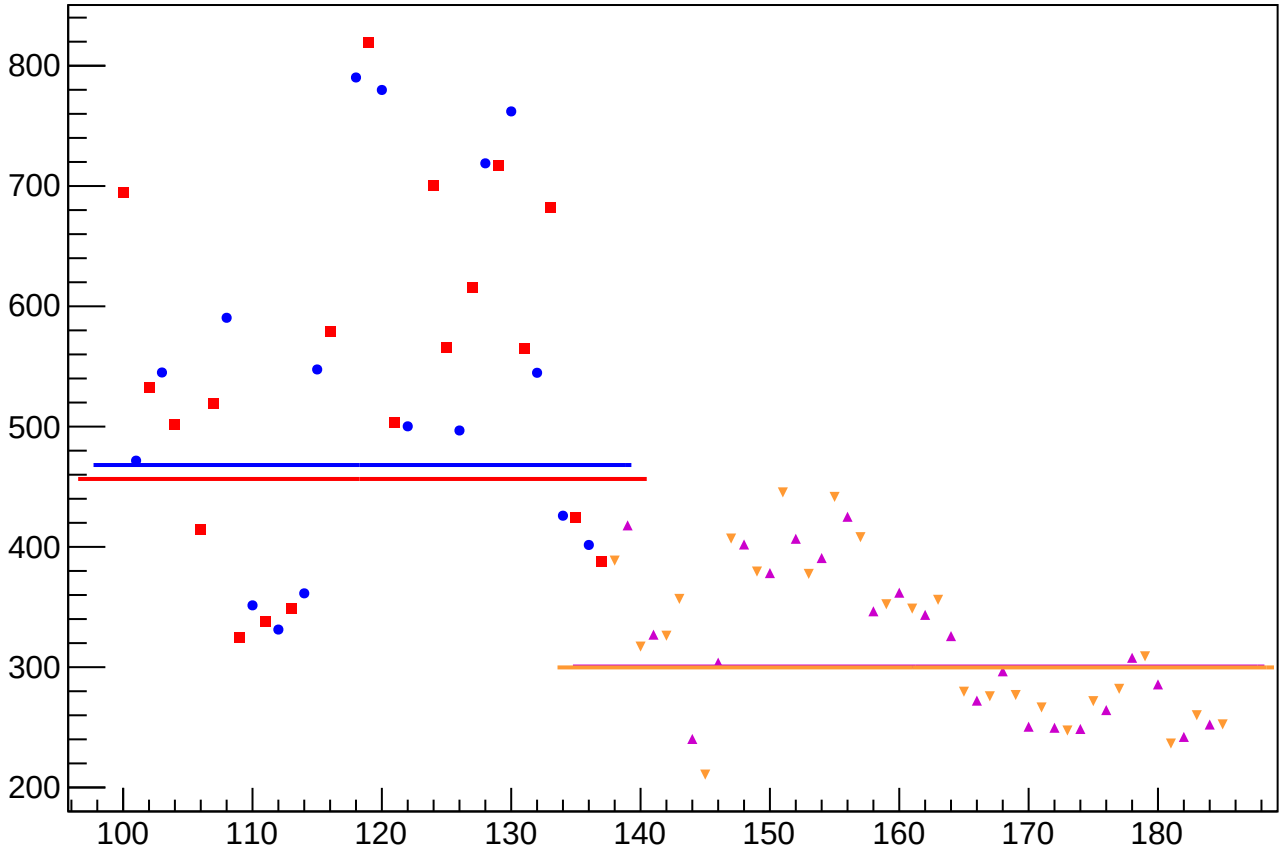
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.928+/-65.049 χ^2/NDF: 72.4/40

All: 123.634+/-46.426 χ^2/NDF: 126.6/82

- 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: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

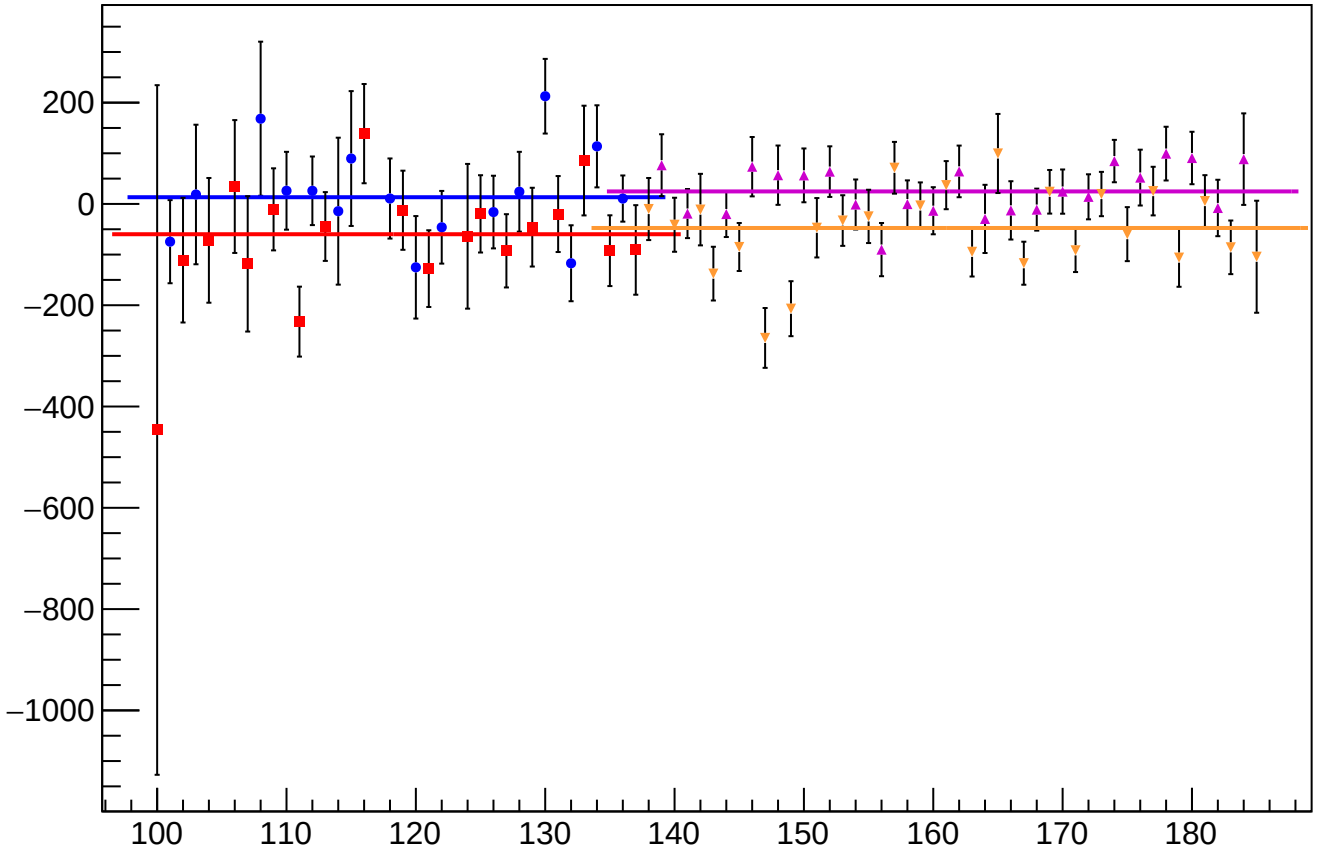
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 321.562+/-0.046 χ^2/NDF: 4067411.2/40

All: 322.398+/-0.033 χ^2/NDF: 7787754.5/82

- sign 323.266+/-0.047 χ^2/NDF: 3719670.4/41

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

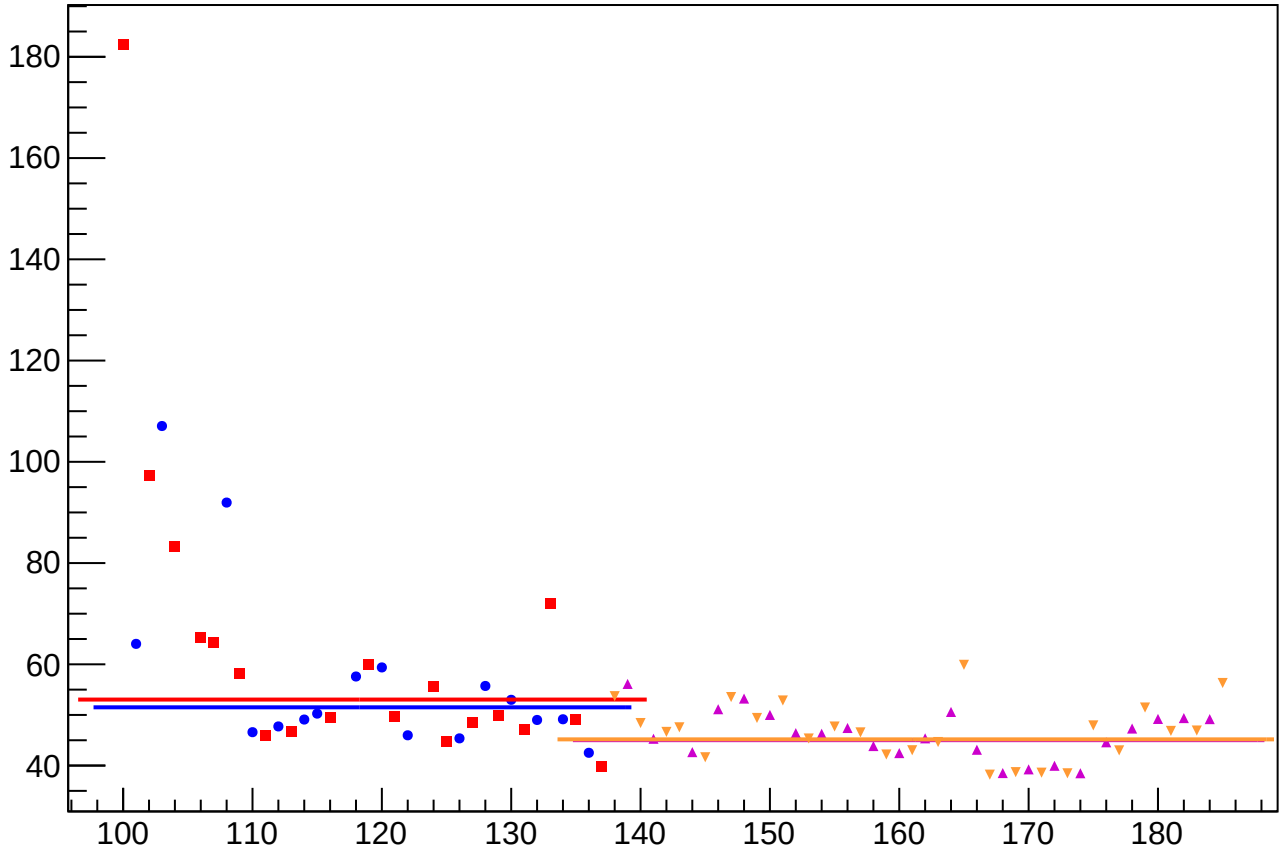
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.411+/-9.207 χ^2/NDF: 79.3/40

All: -14.531+/-6.588 χ^2/NDF: 138.3/82

- 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: 45.175+/-0.007 χ^2/NDF:489860.2/24

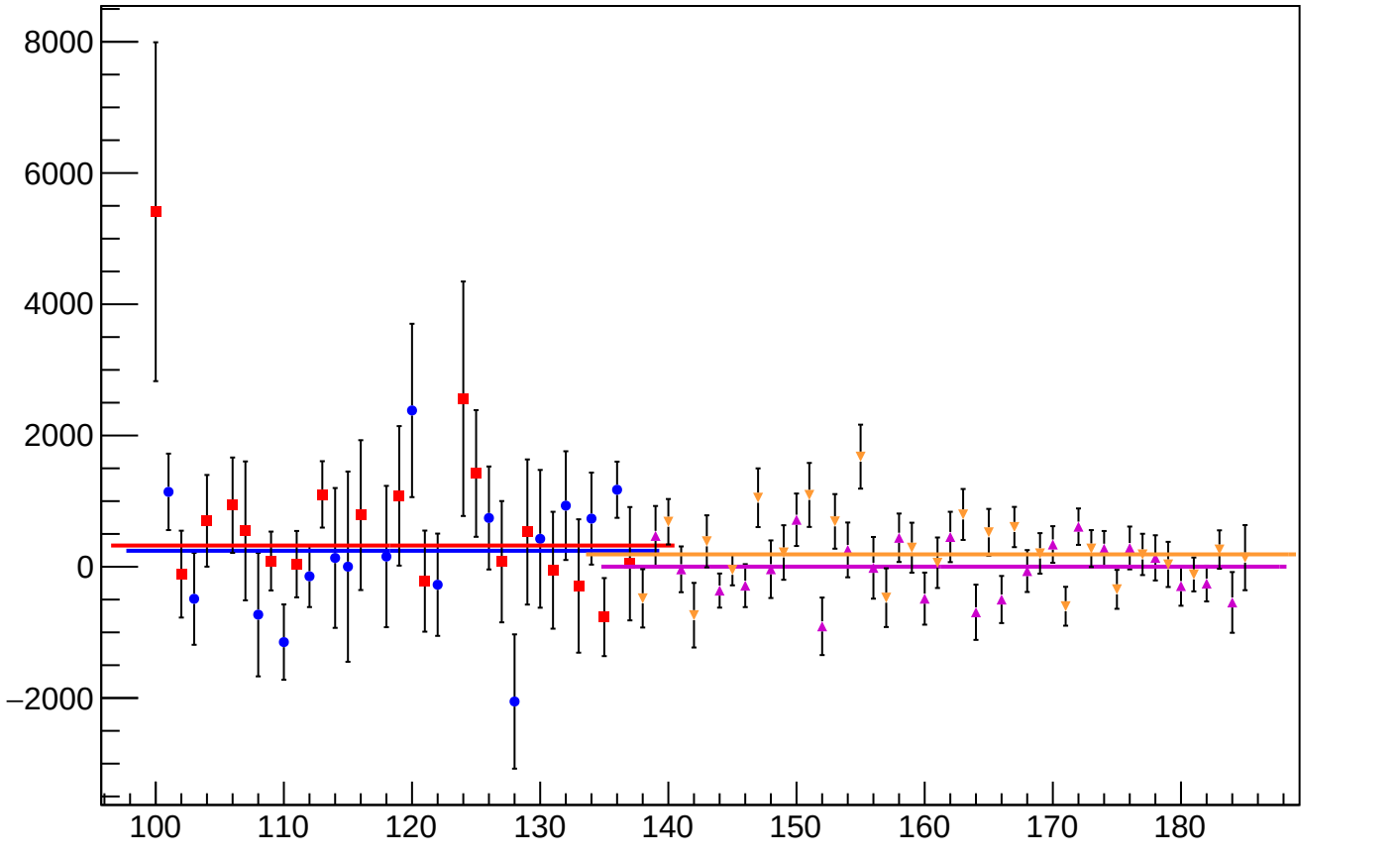
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 46.537+/-0.007 χ^2/NDF: 1316593.7/40

All: 46.646+/-0.005 χ^2/NDF: 2648720.9/82

- 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: 188.813+/-69.714 χ^2/NDF:46.8/24

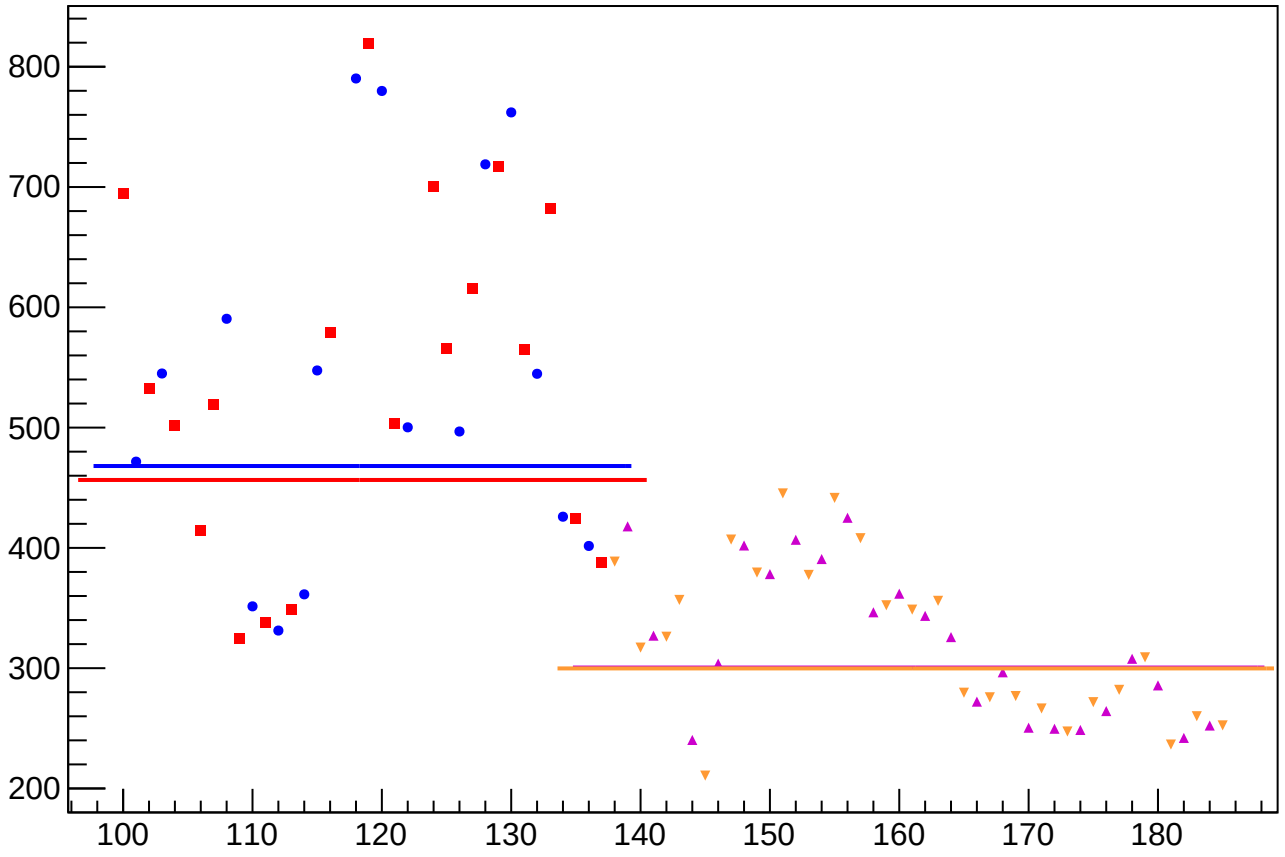
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 195.928+/-65.049 χ^2/NDF: 72.4/40

All: 123.634+/-46.426 χ^2/NDF: 126.6/82

- 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: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

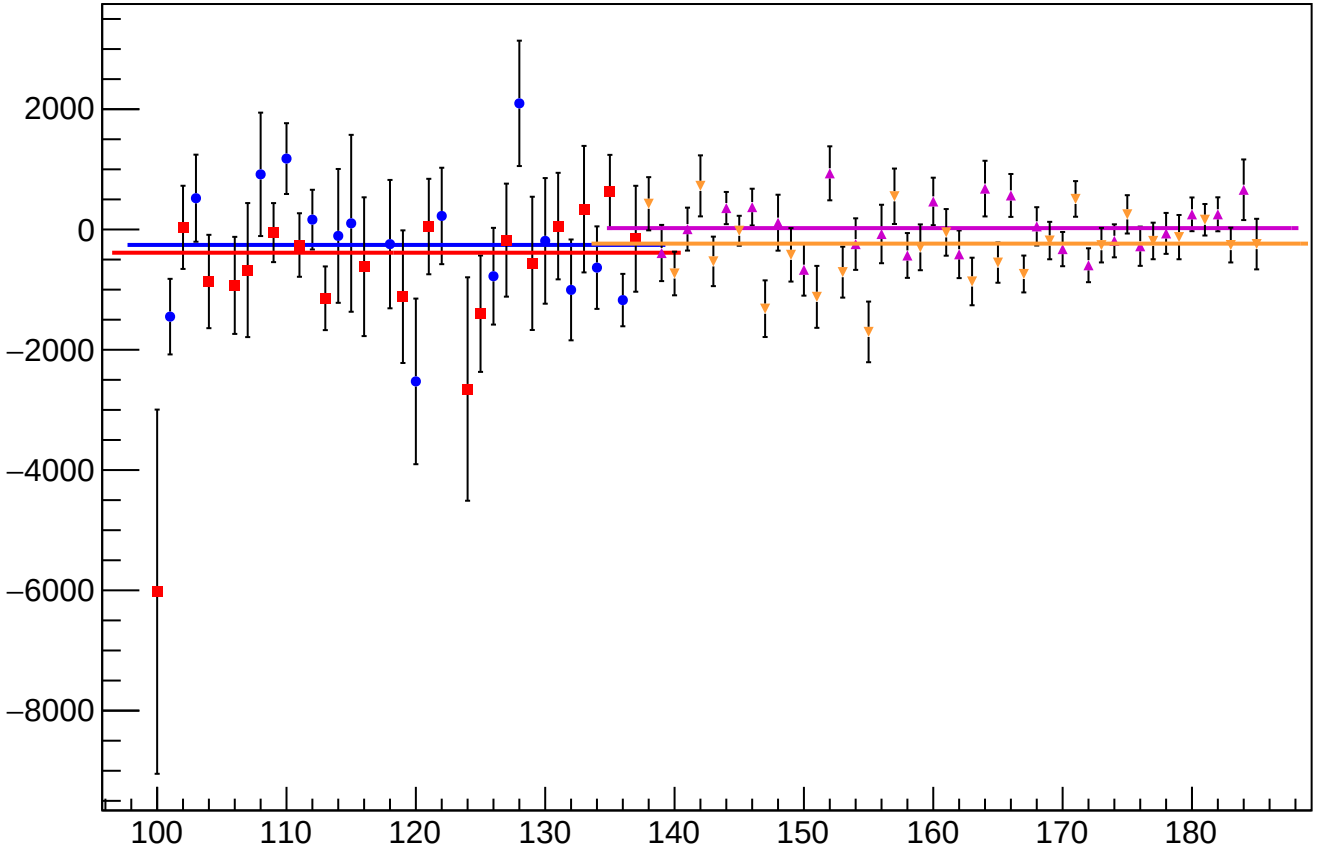
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 321.562+/-0.046 χ^2/NDF: 4067398.9/40

All: 322.398+/-0.033 χ^2/NDF: 7787717.1/82

- sign 323.266+/-0.047 χ^2/NDF: 3719645.1/41

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

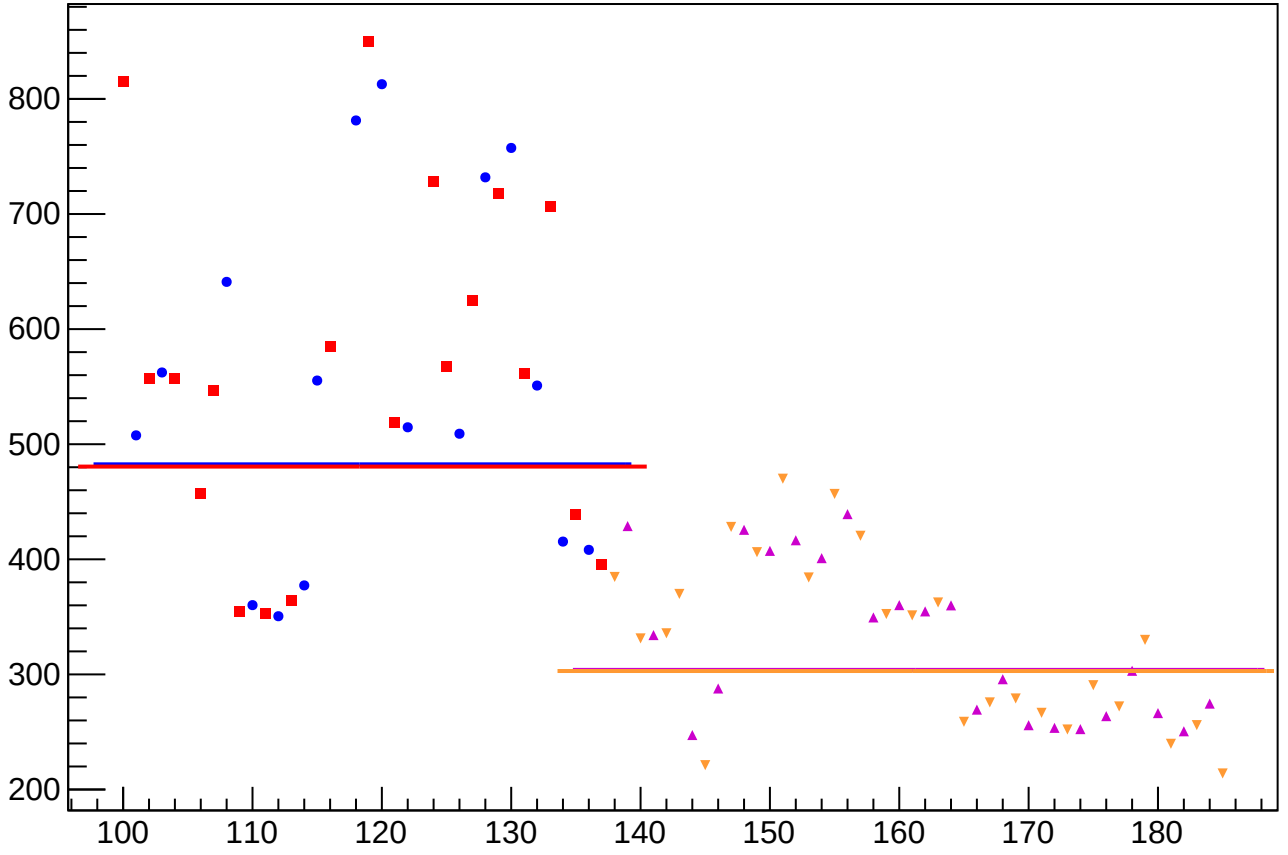
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.883+/-66.141 χ^2/NDF: 74.4/40

All: -137.680+/-47.237 χ^2/NDF: 127.5/82

- 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: 302.944+/-0.050 χ^2/NDF:1766061.8/24

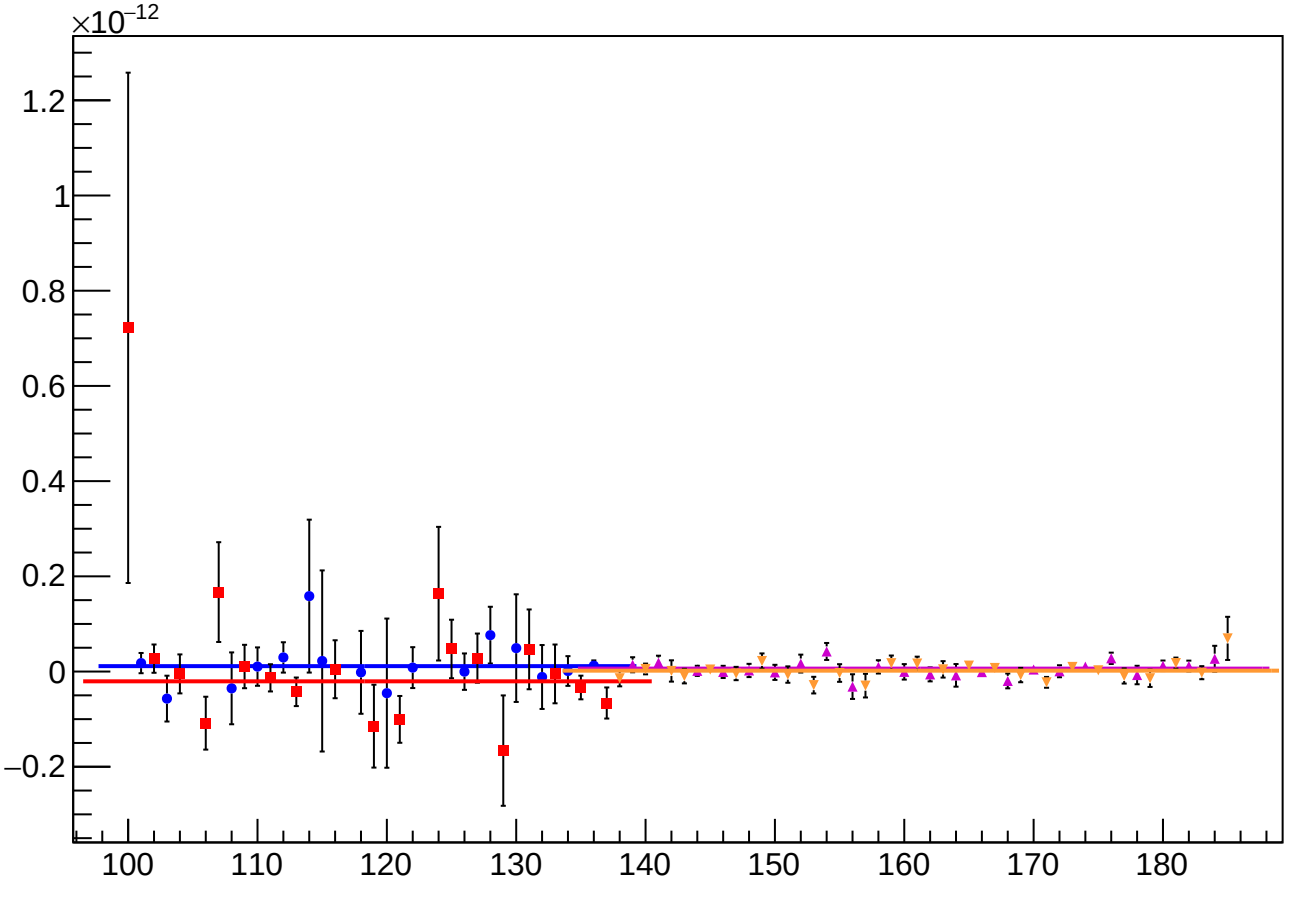
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

\+ sign 325.538+/-0.047 χ^2/NDF: 4334065.4/40

All: 326.799+/-0.033 χ^2/NDF: 8325029.1/82

\- sign 328.112+/-0.048 χ^2/NDF: 3989478.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

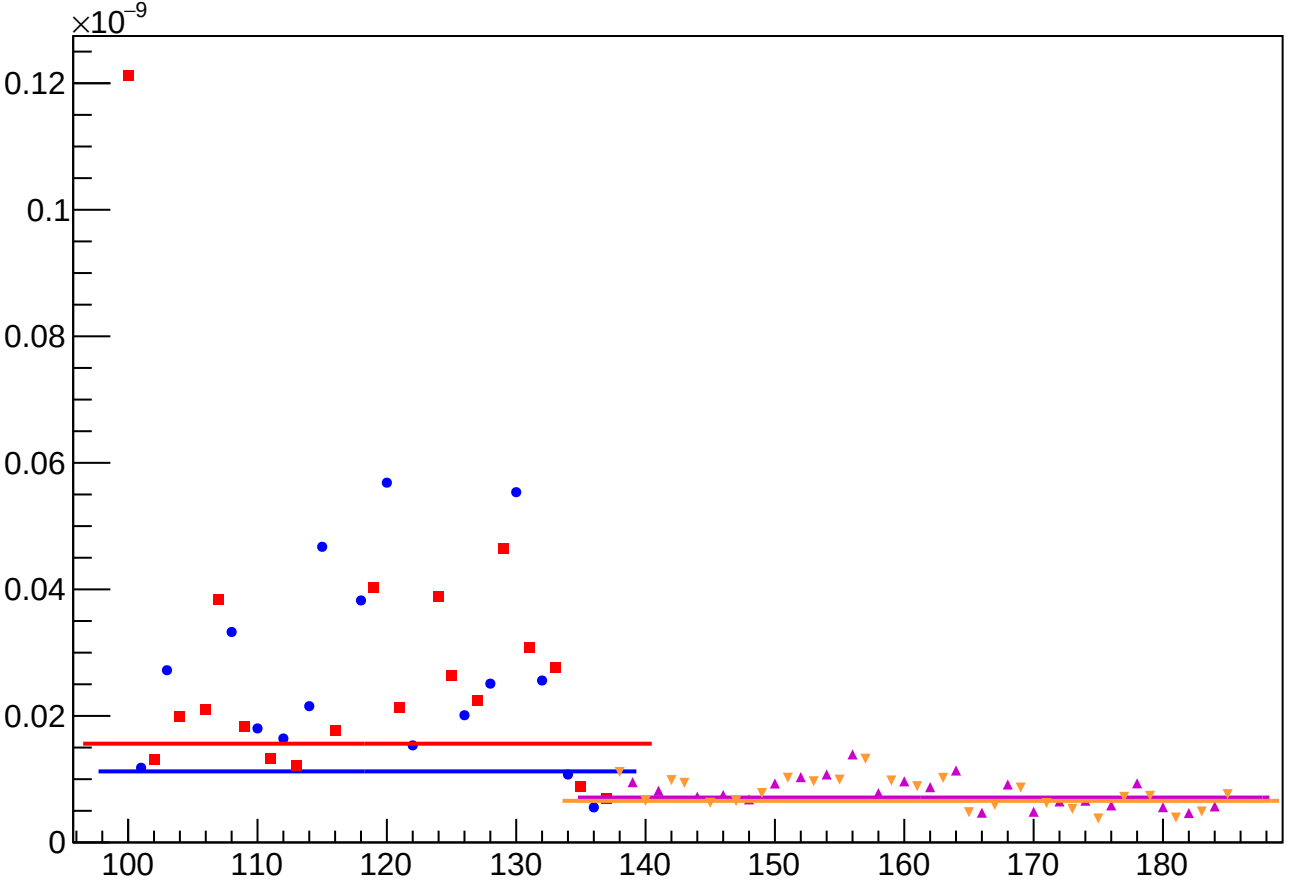
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/40

All: 0.000+/-0.000 χ^2/NDF: 77.9/82

- 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:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

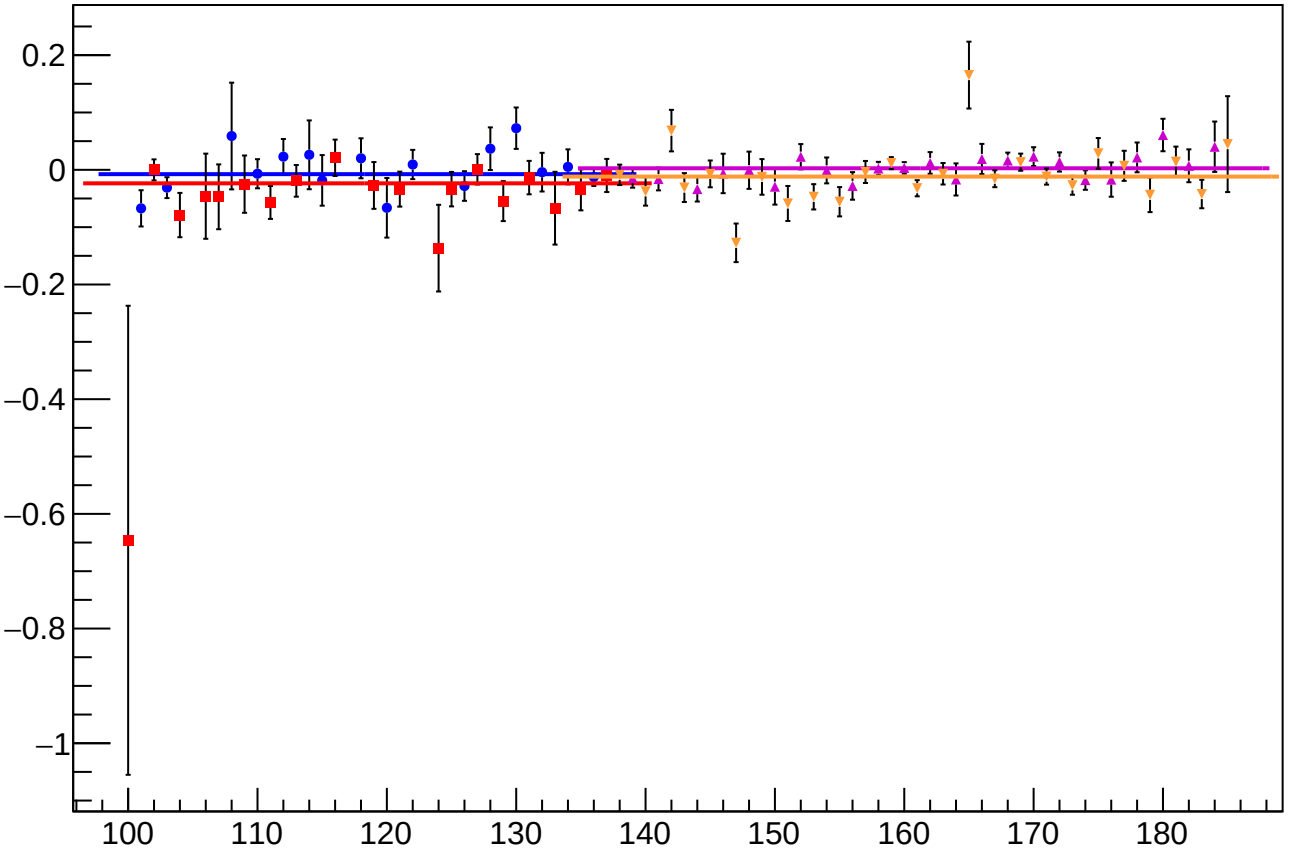
Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4193870.8/40

All: 0.000+/-0.000 χ^2/NDF: 7704556.6/82

- 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:53.4/24

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

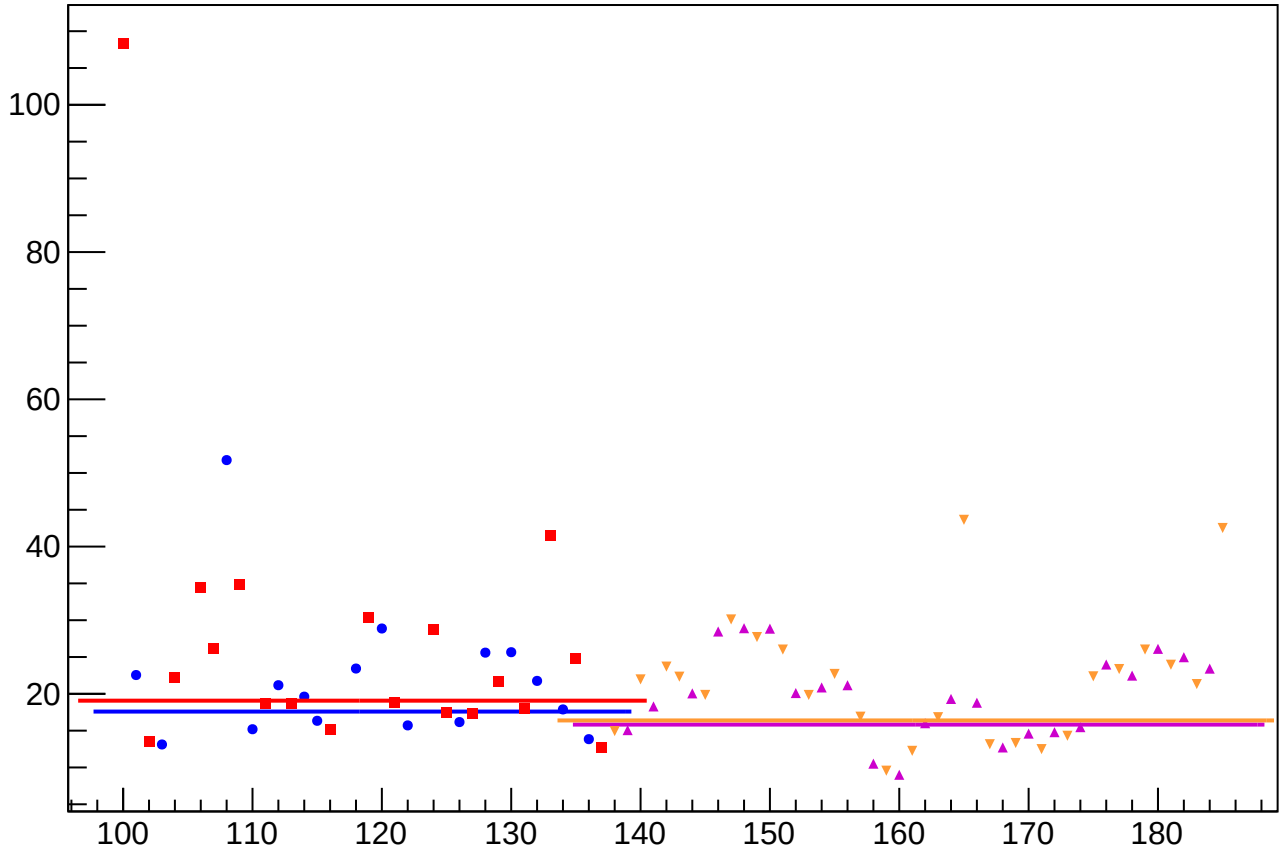
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.4/40

All: -0.007+/-0.003 χ^2/NDF: 116.3/82

- 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: 16.387+/-0.003 χ^2/NDF:4030028.3/24

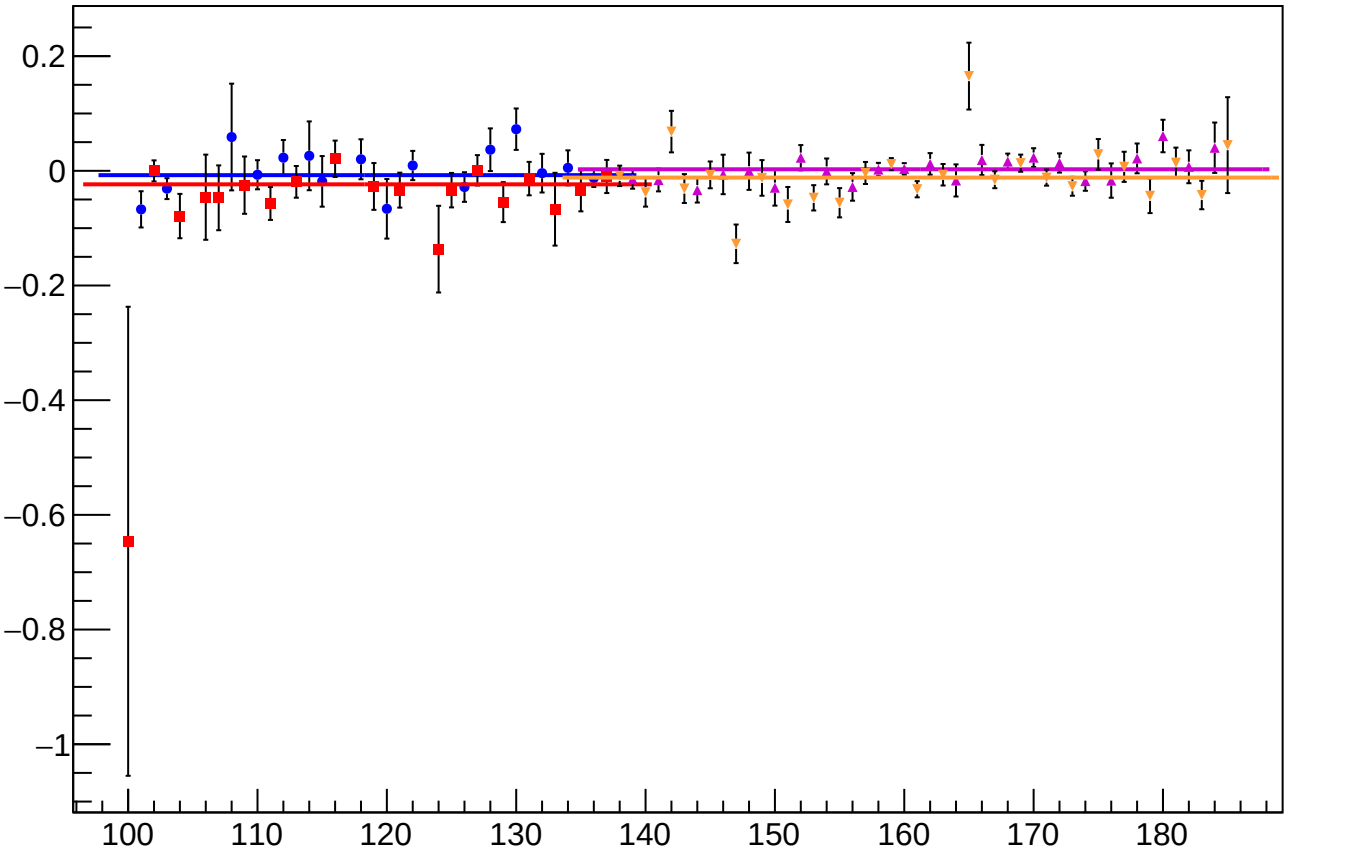
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.679+/-0.003 χ^2/NDF: 5065665.7/40

All: 16.600+/-0.002 χ^2/NDF: 10246798.0/82

\- 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:53.4/24

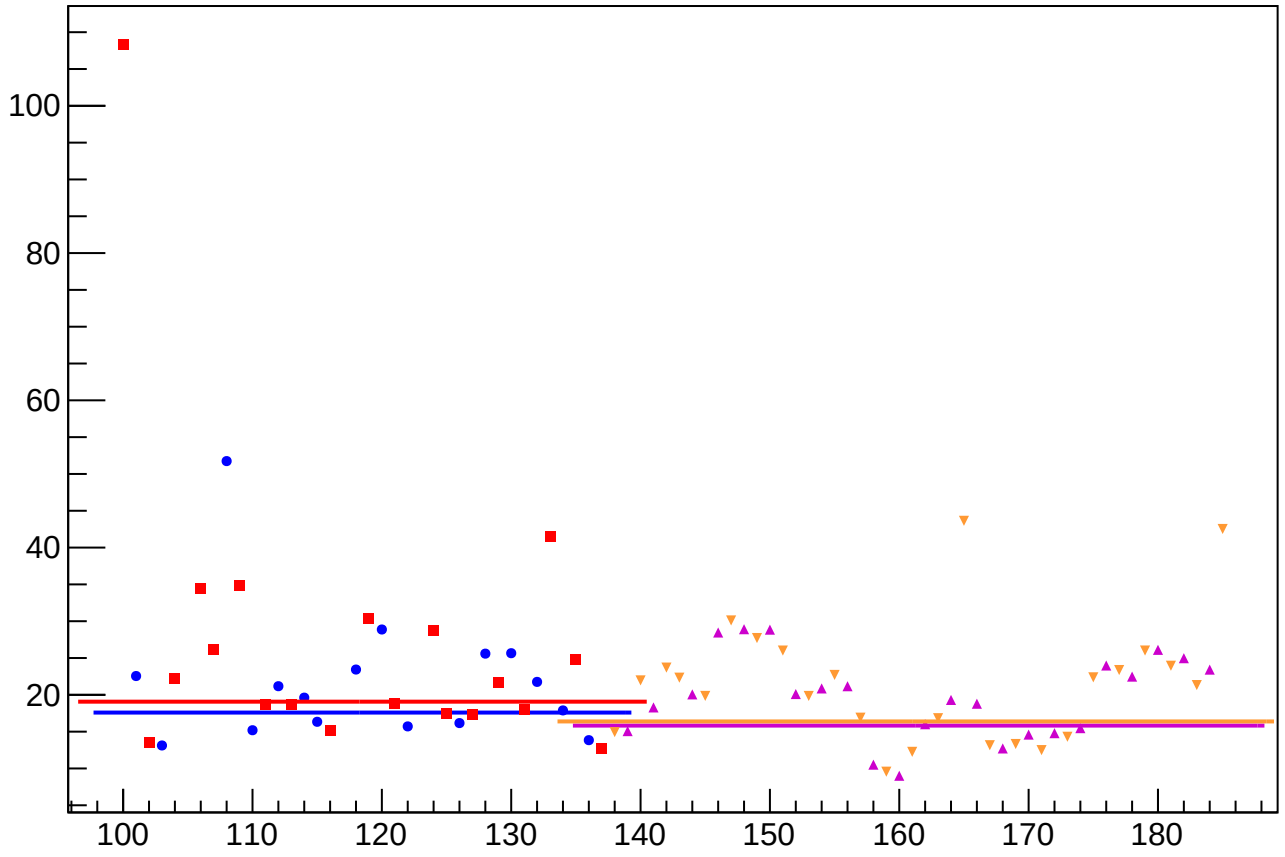
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.4/40

All: -0.007+/-0.003 χ^2/NDF: 116.3/82

- 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: 16.387+/-0.003 χ^2/NDF:4030028.3/24

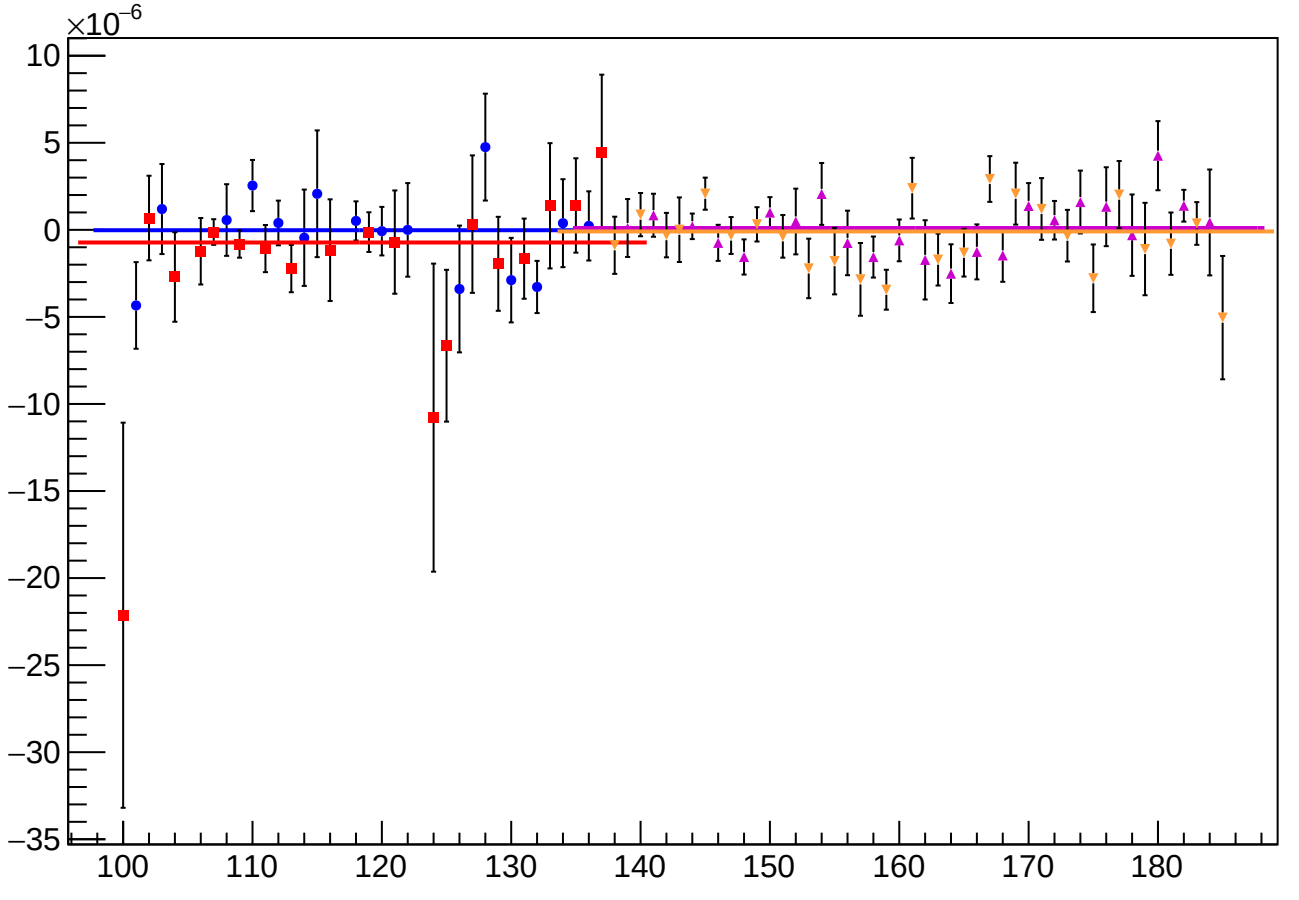
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.679+/-0.003 χ^2/NDF: 5065665.7/40

All: 16.600+/-0.002 χ^2/NDF: 10246798.0/82

- 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:36.1/24

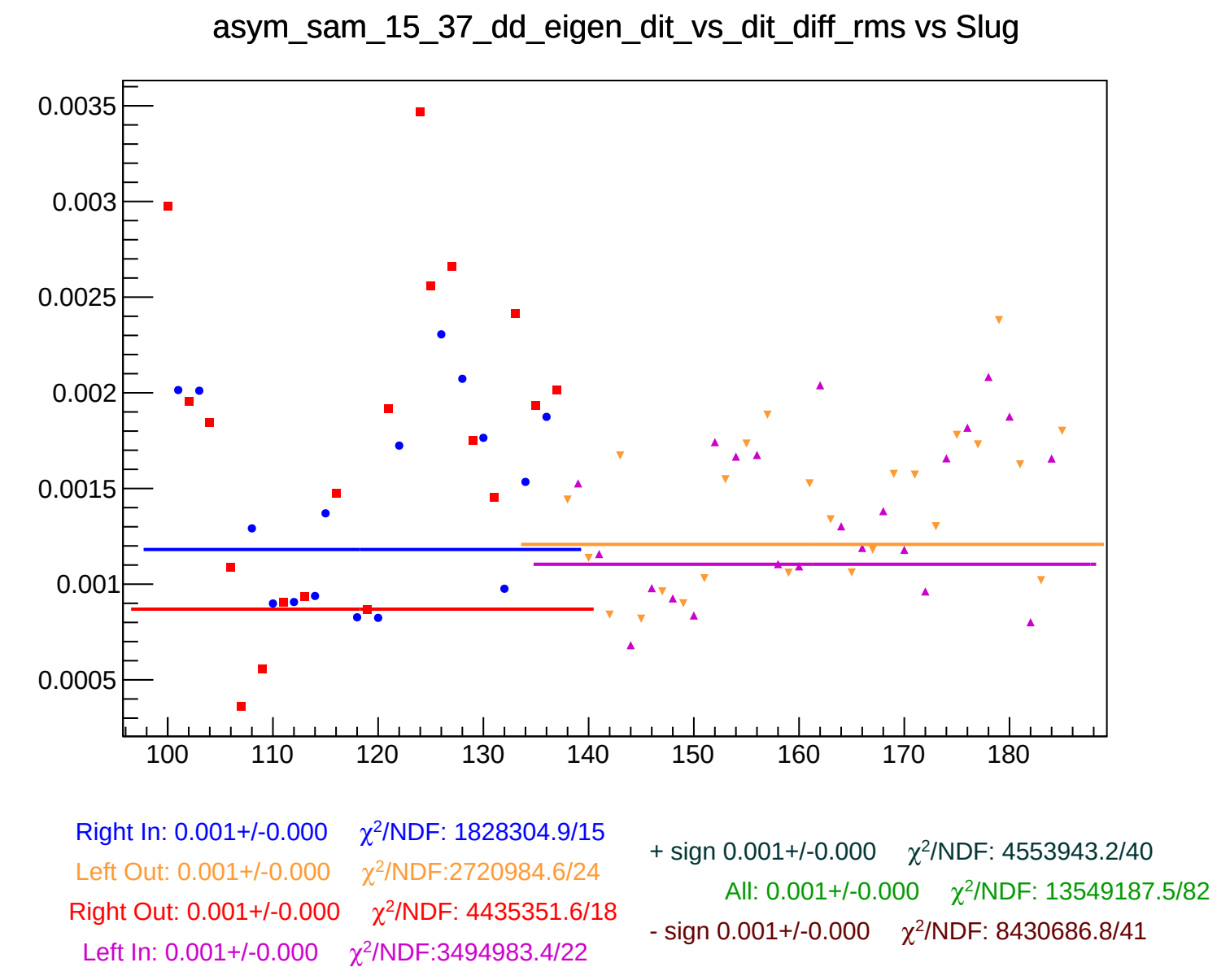
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

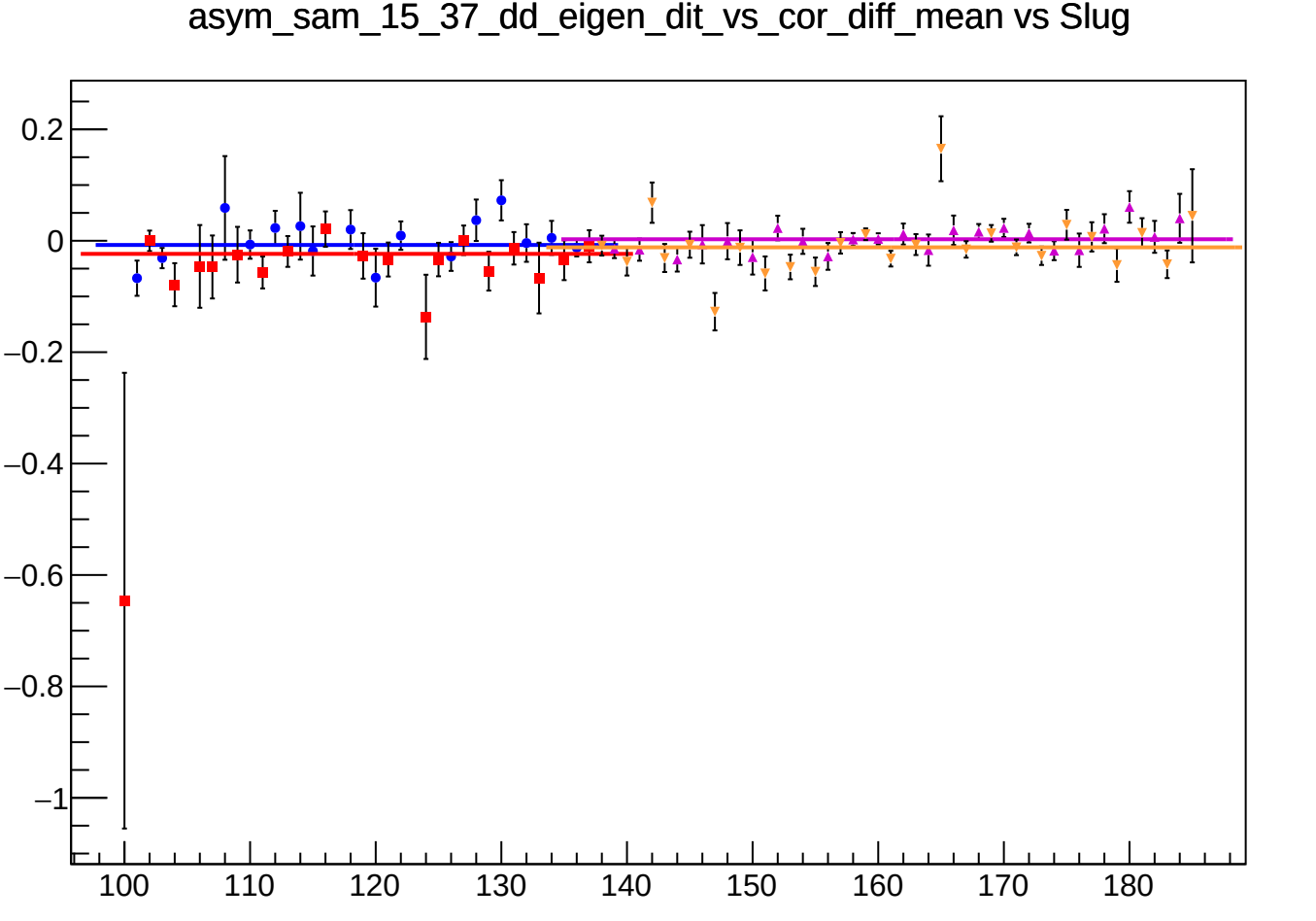
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.6/40

All: -0.000+/-0.000 χ^2/NDF: 90.7/82

- sign -0.000+/-0.000 χ^2/NDF: 38.0/41


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2720984.6/24
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: 4553943.2/40
All: 0.001+/-0.000 χ²/NDF: 13549187.5/82
- 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:53.4/24

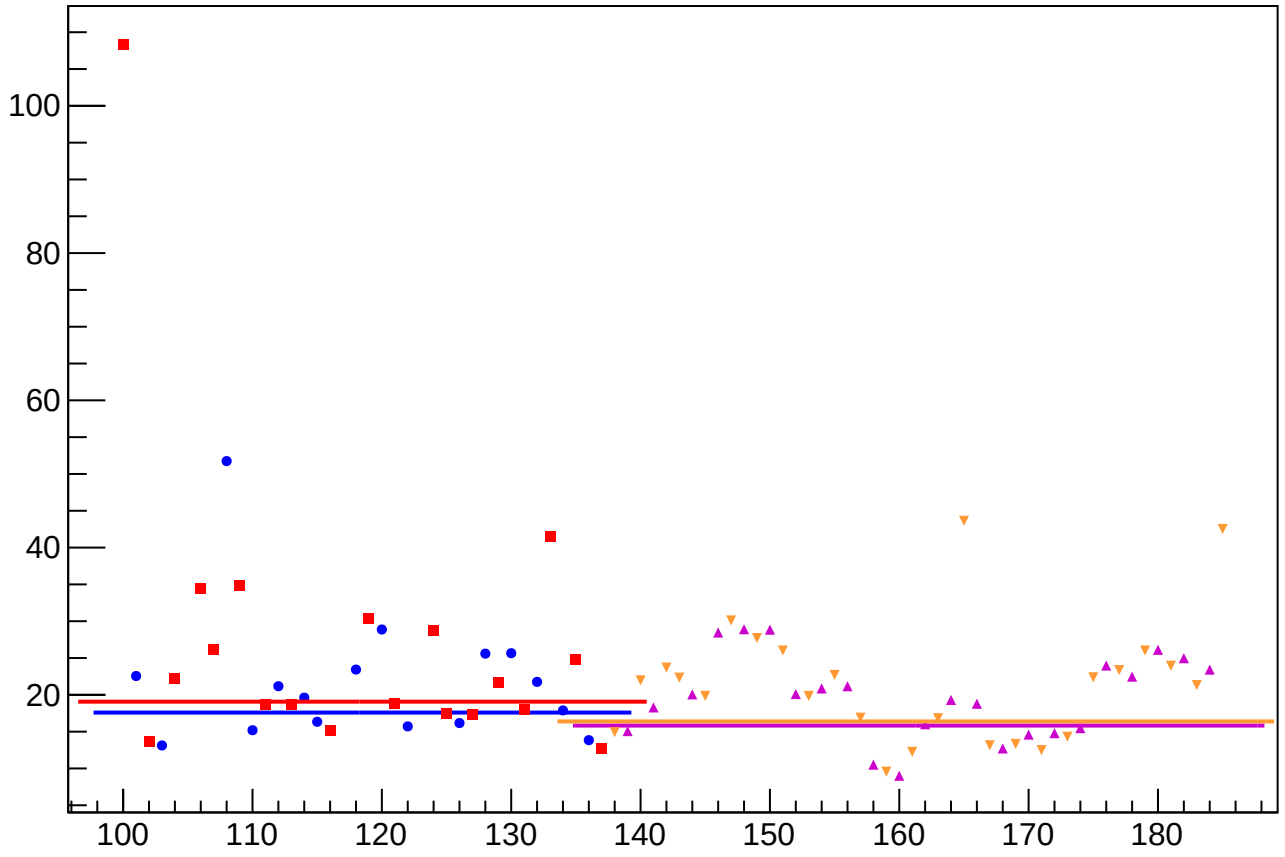
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.4/40

All: -0.007+/-0.003 χ^2/NDF: 116.3/82

- 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: 16.387+/-0.003 χ^2/NDF:4030277.2/24

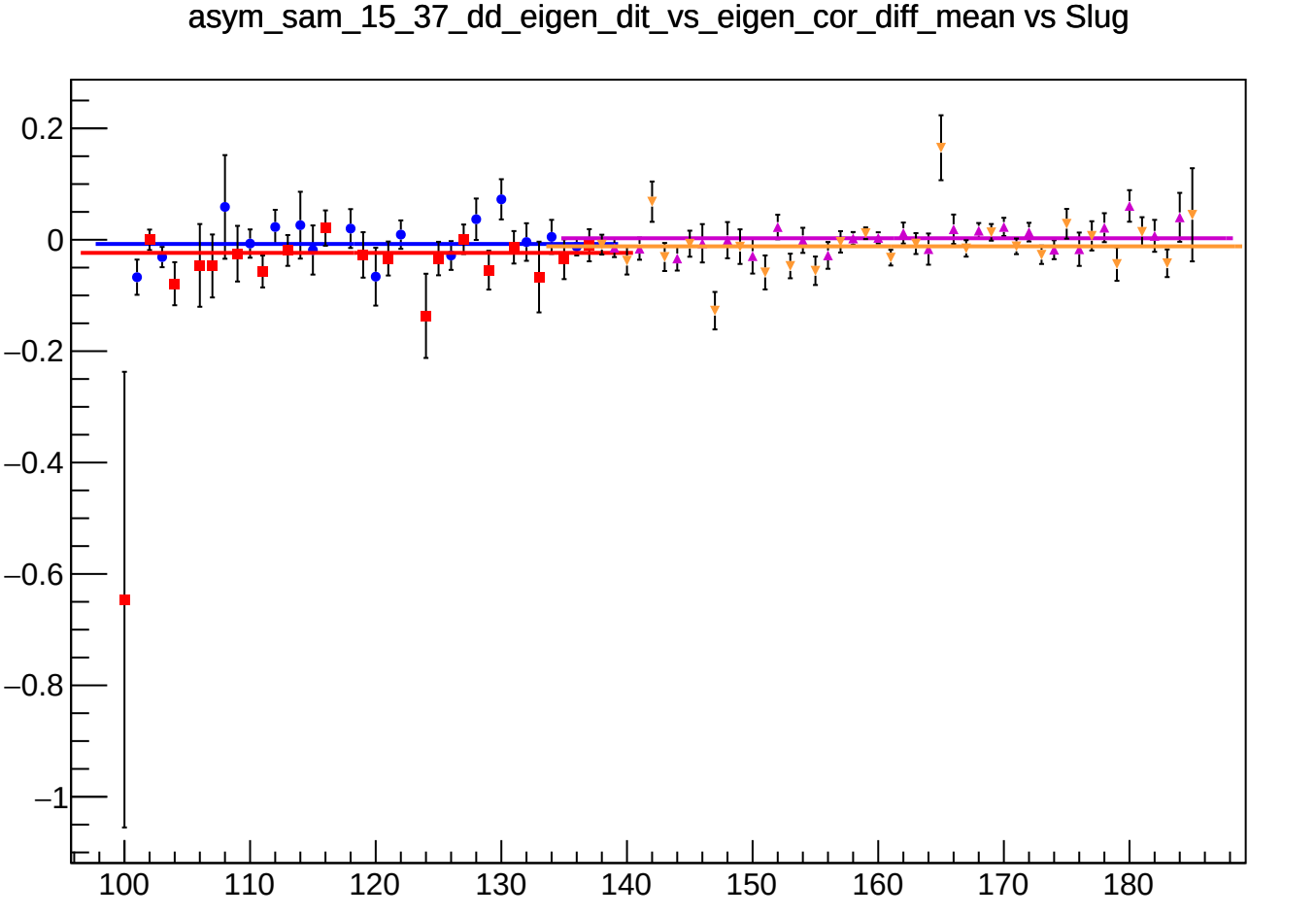
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.678+/-0.003 χ^2/NDF: 5065972.3/40

All: 16.599+/-0.002 χ^2/NDF: 10247490.9/82

- 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:53.4/24

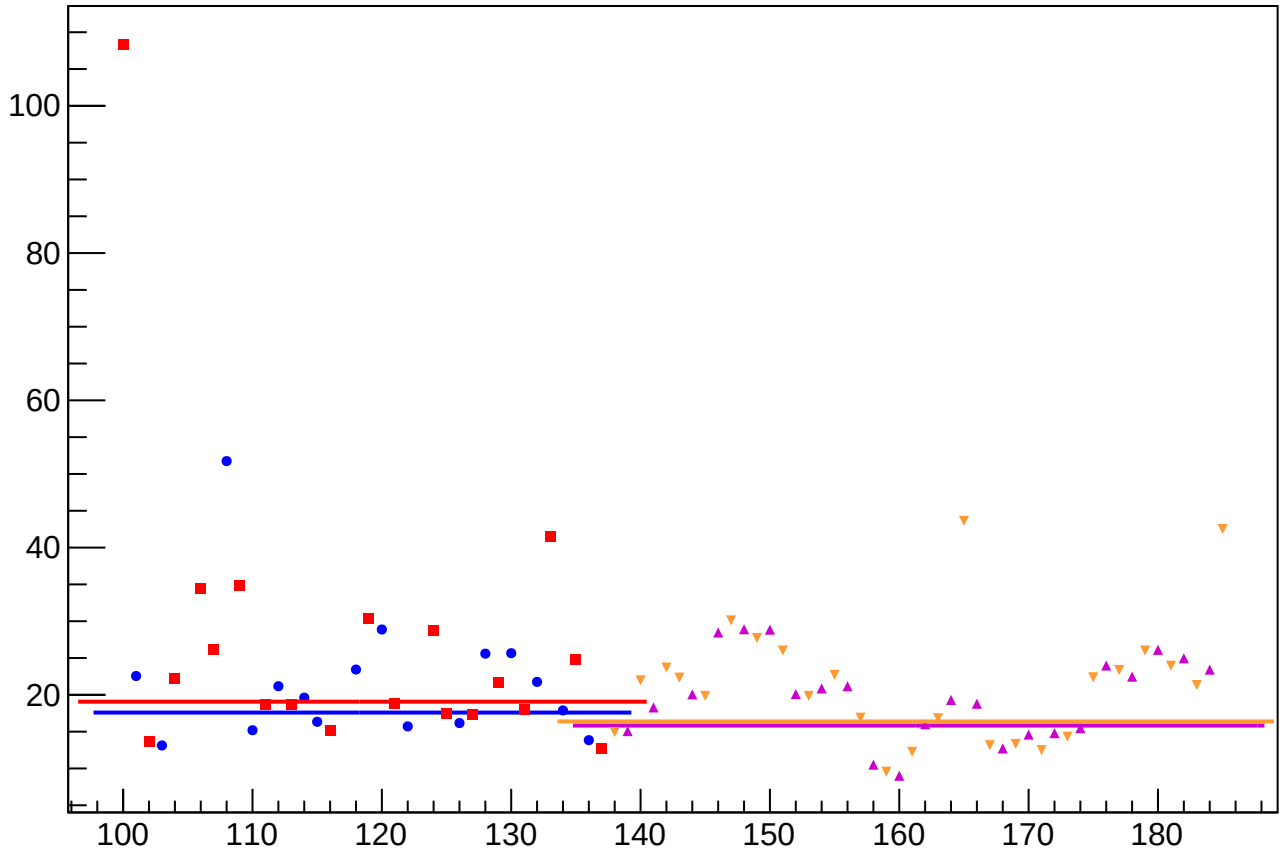
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 70.4/40

All: -0.007+/-0.003 χ^2/NDF: 116.3/82

- 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: 16.387+/-0.003 χ^2/NDF:4030277.2/24

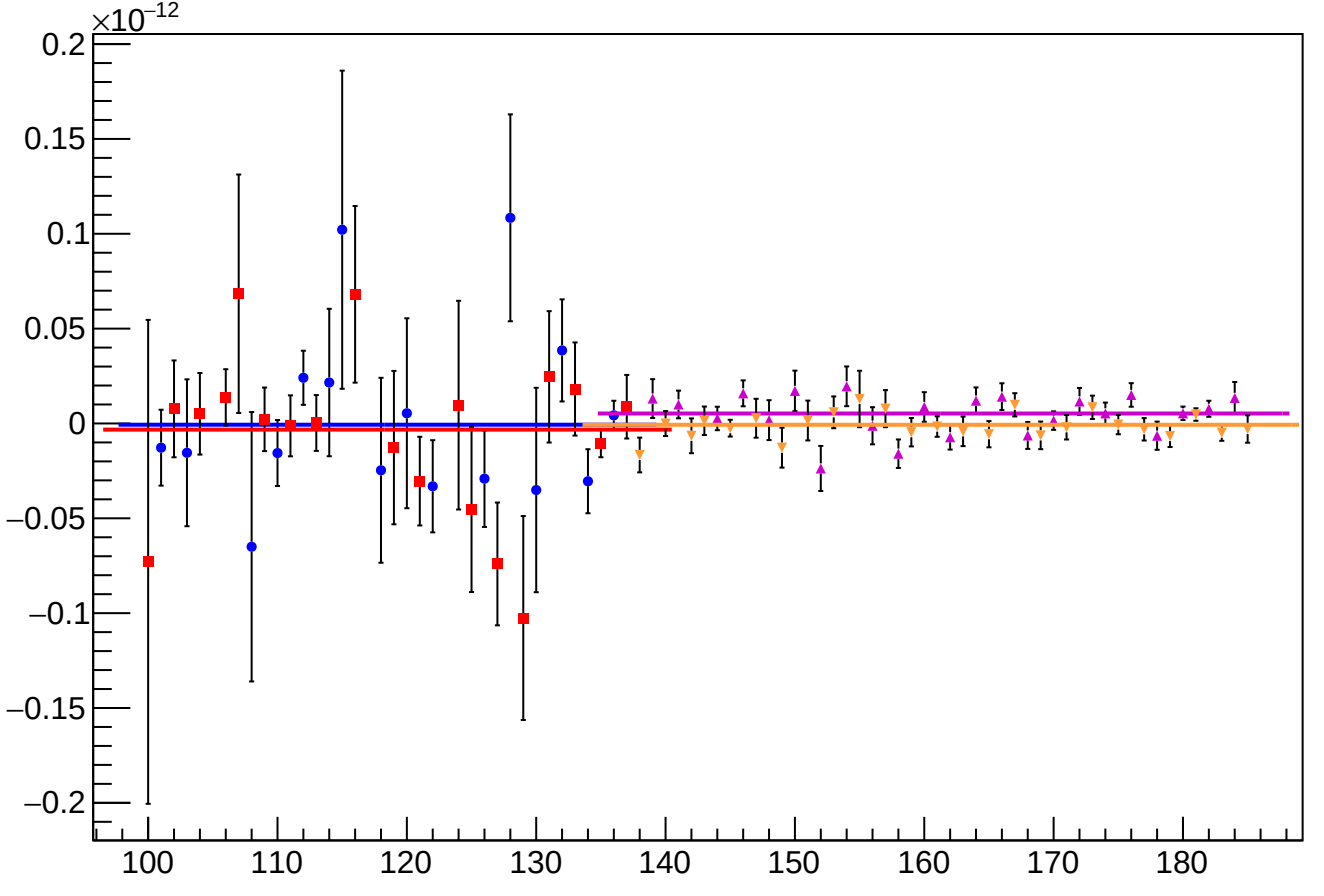
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.678+/-0.003 χ^2/NDF: 5065972.3/40

All: 16.599+/-0.002 χ^2/NDF: 10247490.9/82

- 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:19.1/24

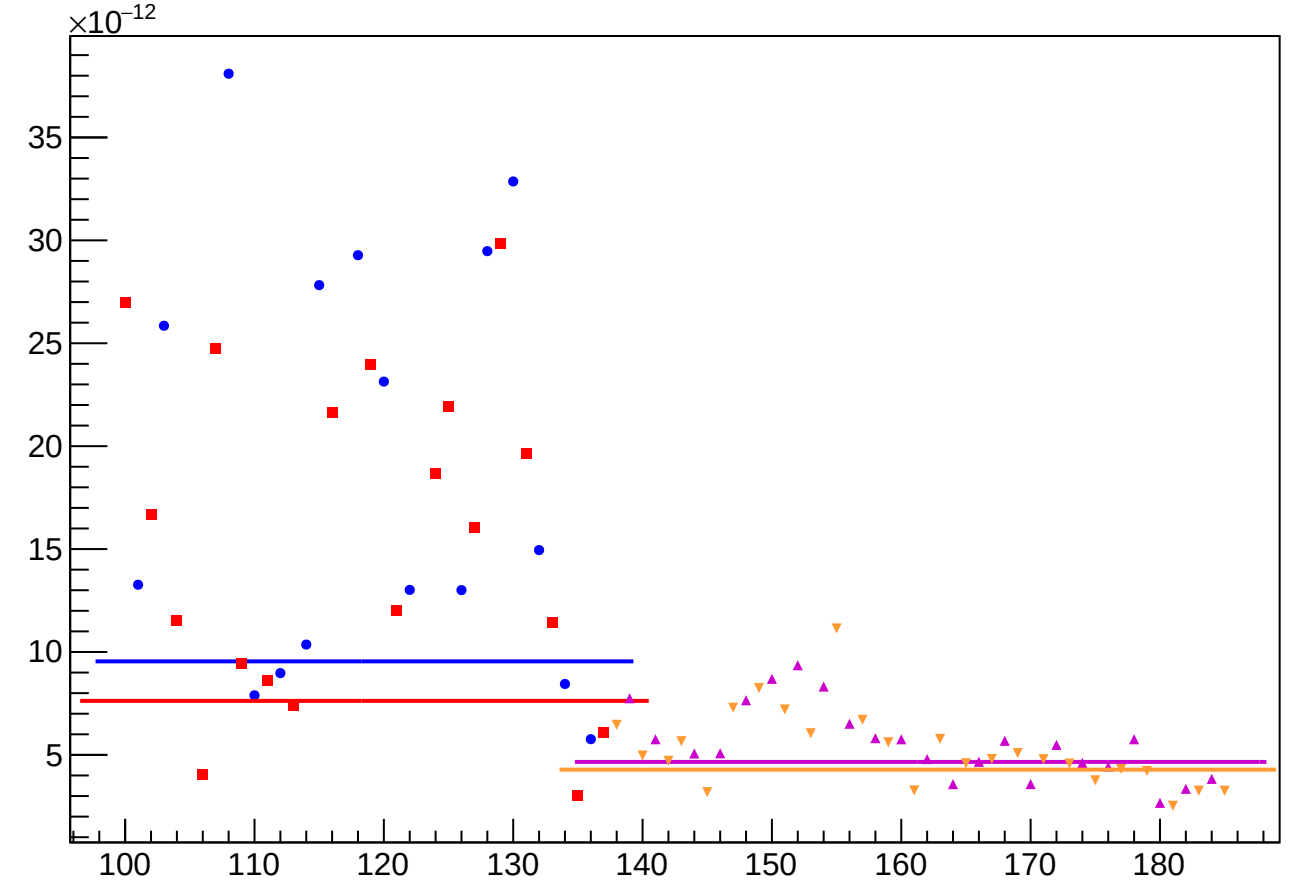
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/40

All: 0.000+/-0.000 χ^2/NDF: 108.1/82

- sign 0.000+/-0.000 χ^2/NDF: 60.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

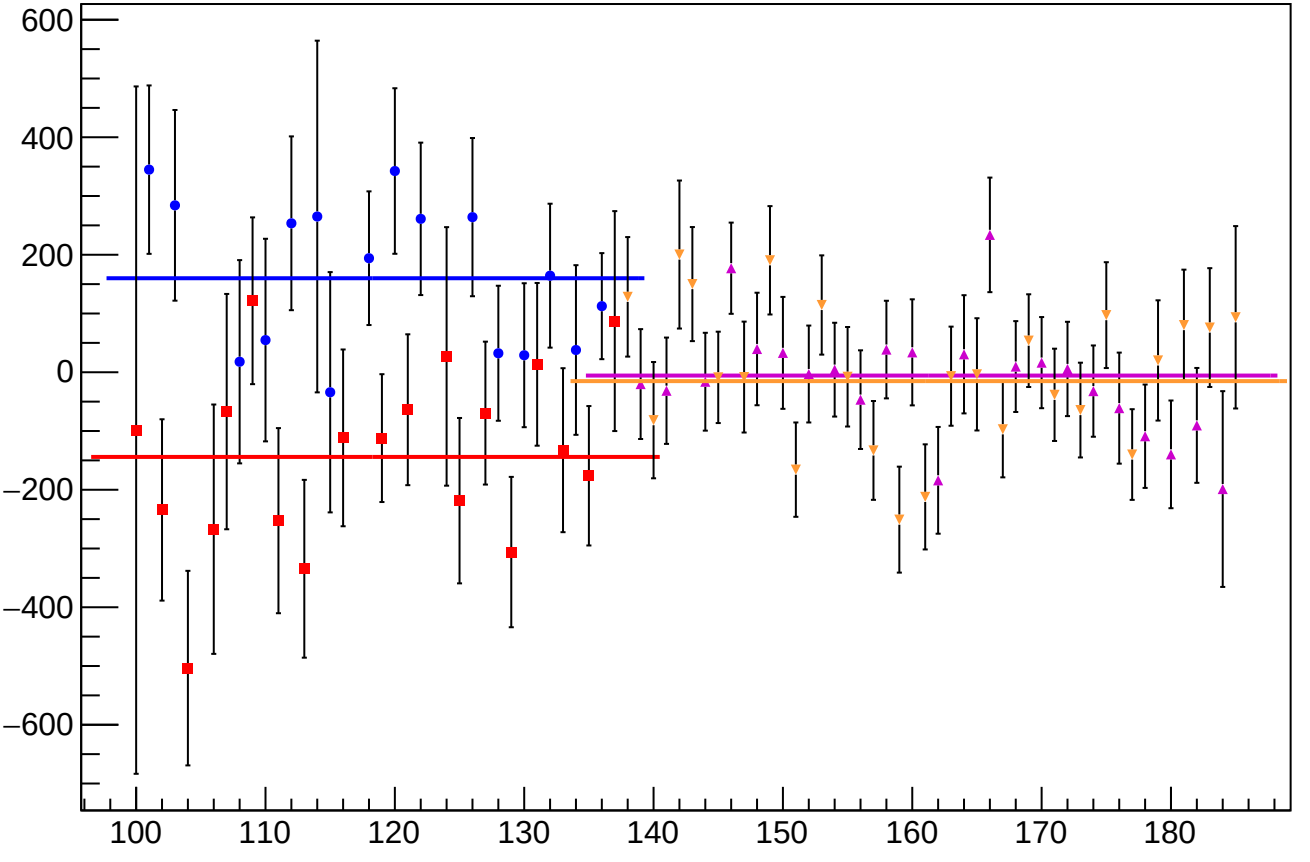
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7244863.5/40

All: 0.000+/-0.000 χ^2/NDF: 13701168.1/82

- sign 0.000+/-0.000 χ^2/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: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

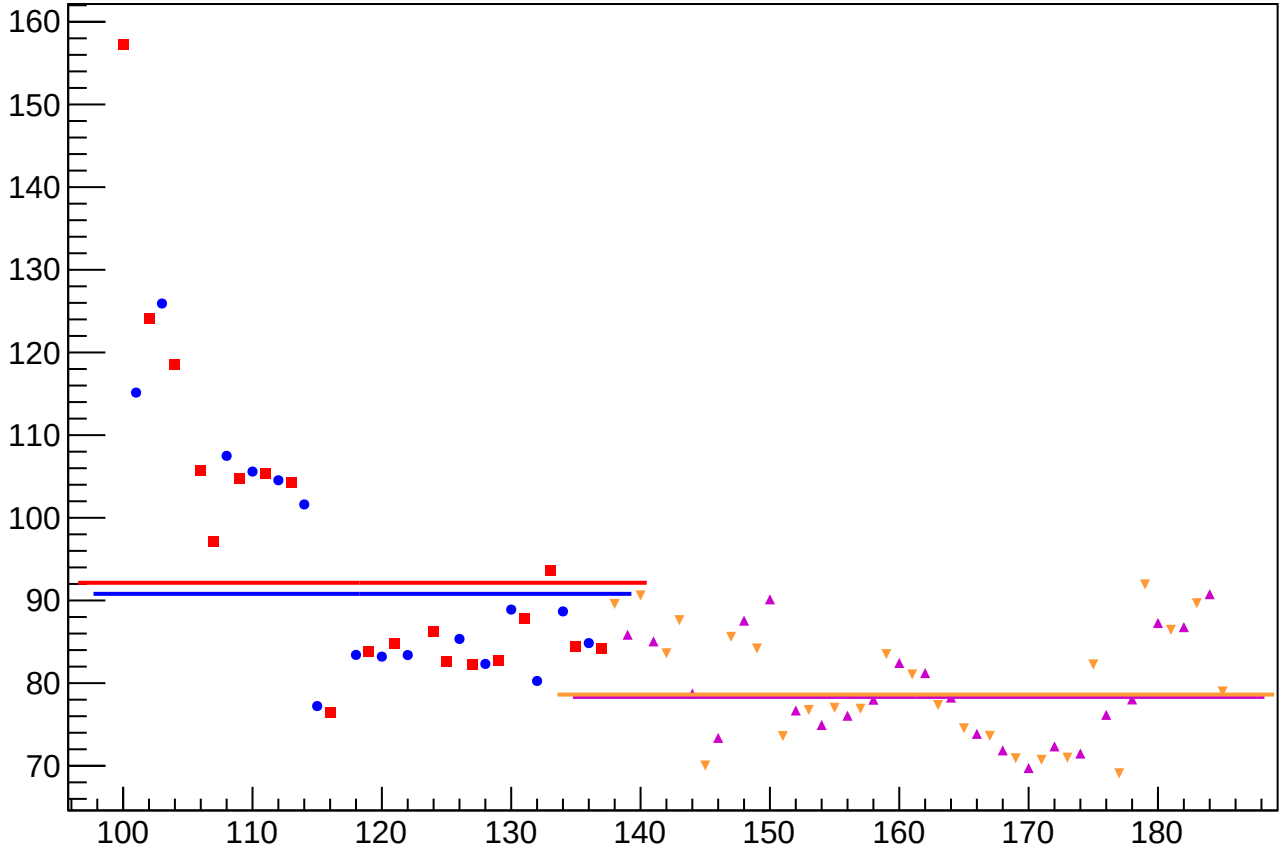
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.798+/-15.896 χ^2/NDF: 73.3/40

All: -6.376+/-11.343 χ^2/NDF: 133.3/82

- 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: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

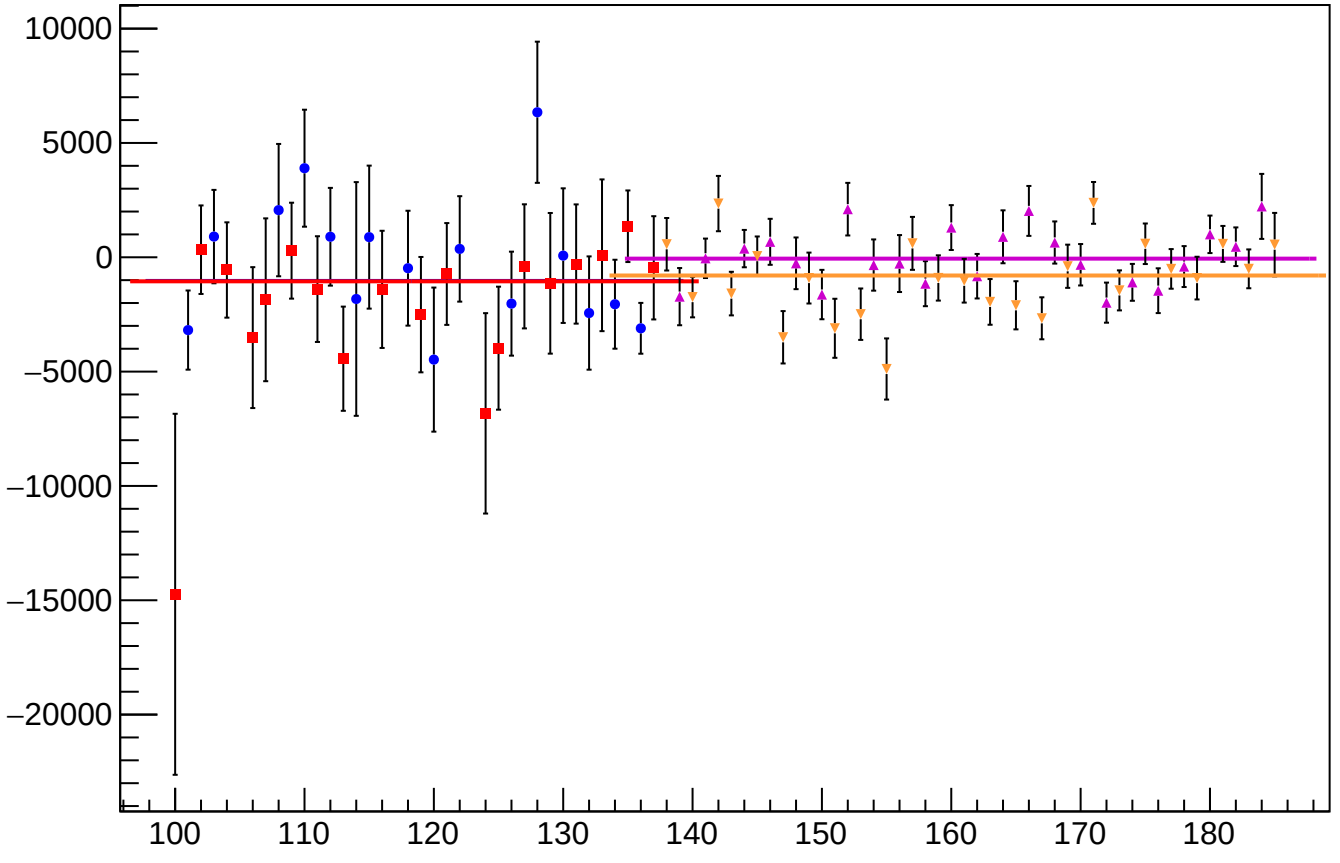
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.255+/-0.011 χ^2/NDF: 779236.2/40

All: 81.339+/-0.008 χ^2/NDF: 1543279.1/82

- sign 81.427+/-0.011 χ^2/NDF: 763927.7/41

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

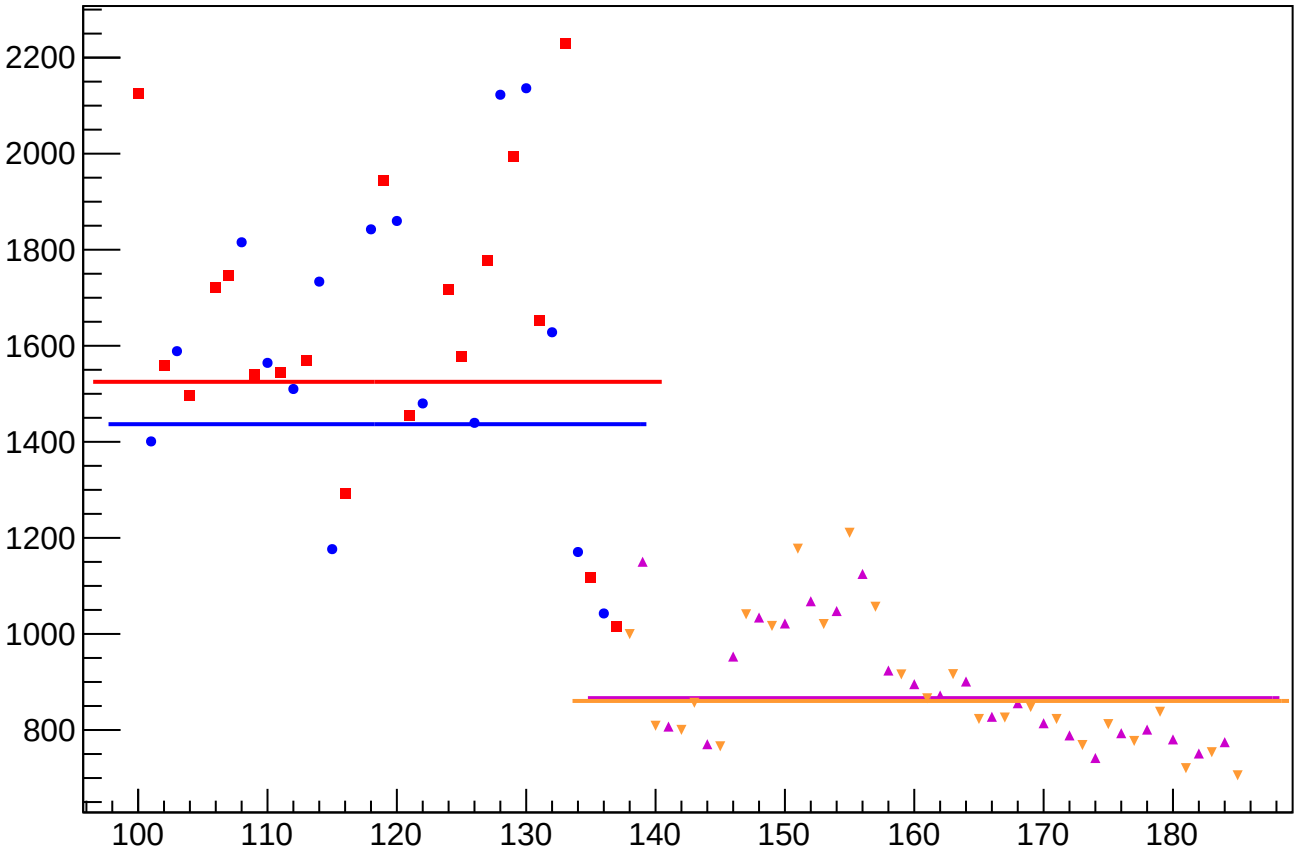
Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.263+/-186.207 χ^2/NDF: 79.9/40

All: -509.239+/-133.802 χ^2/NDF: 131.8/82

- sign -172.936+/-192.393 χ^2/NDF: 46.0/41



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

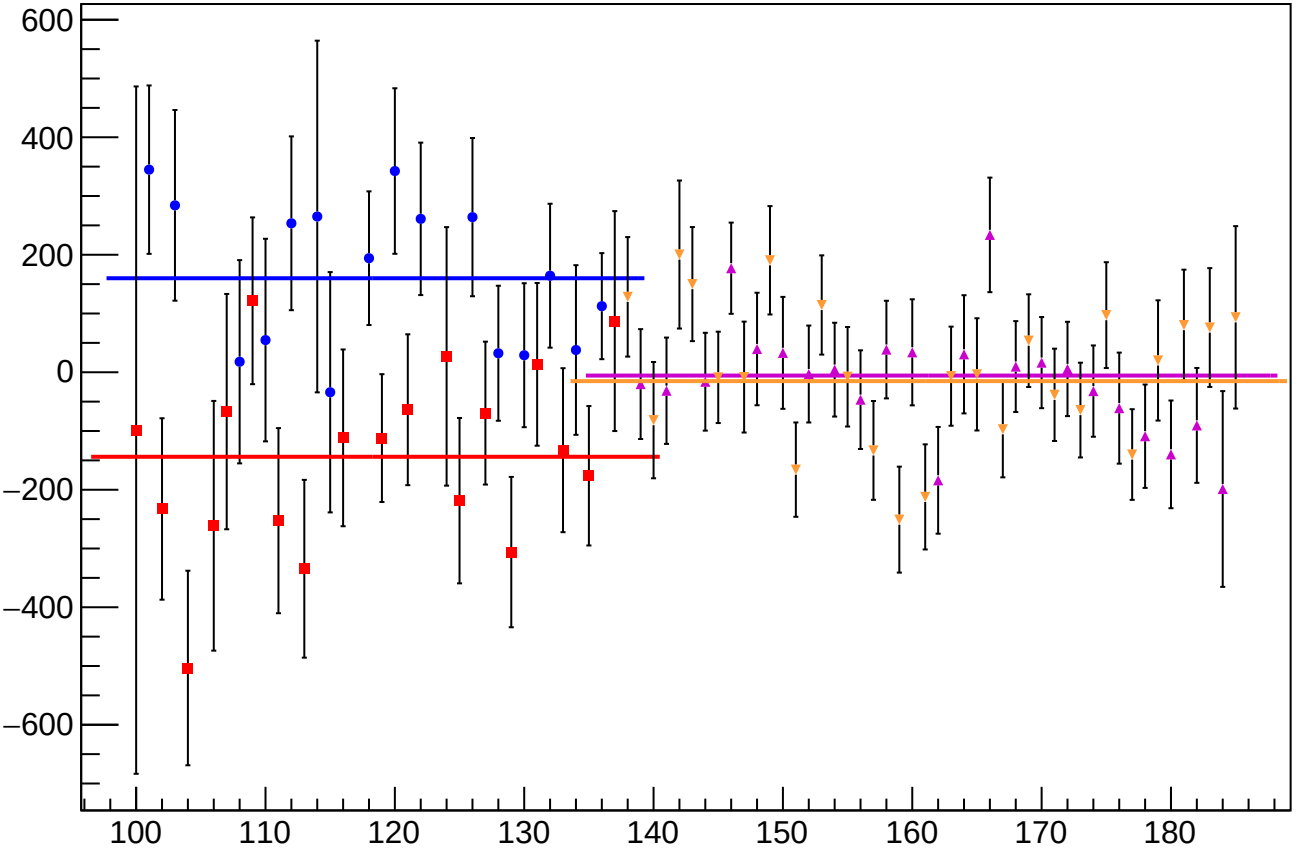
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 926.492+/-0.132 χ^2/NDF: 3317414.8/40

All: 933.831+/-0.095 χ^2/NDF: 6815293.1/82

- 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: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

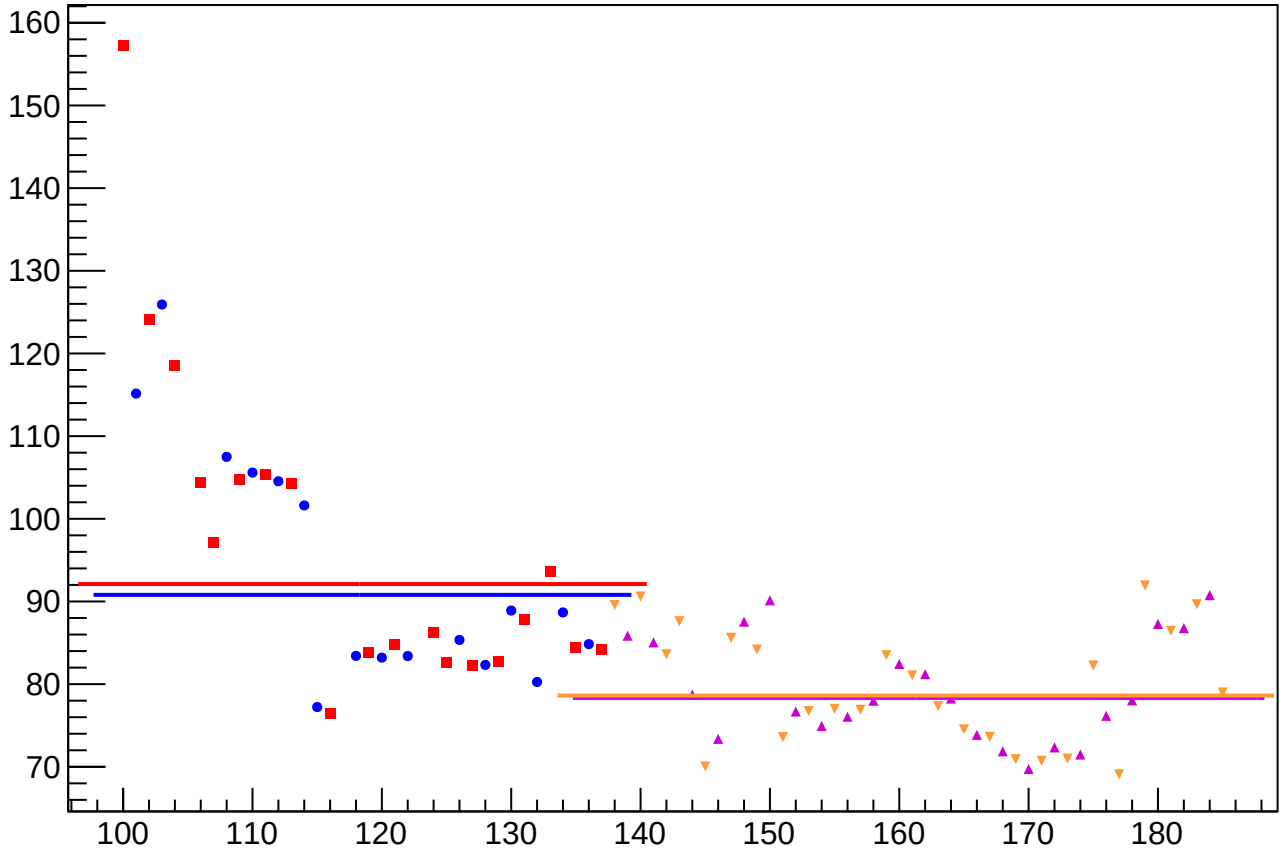
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.799+/-15.896 χ^2/NDF: 73.3/40

All: -6.344+/-11.343 χ^2/NDF: 133.2/82

- 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: 78.618+/-0.013 χ^2/NDF:307235.6/24

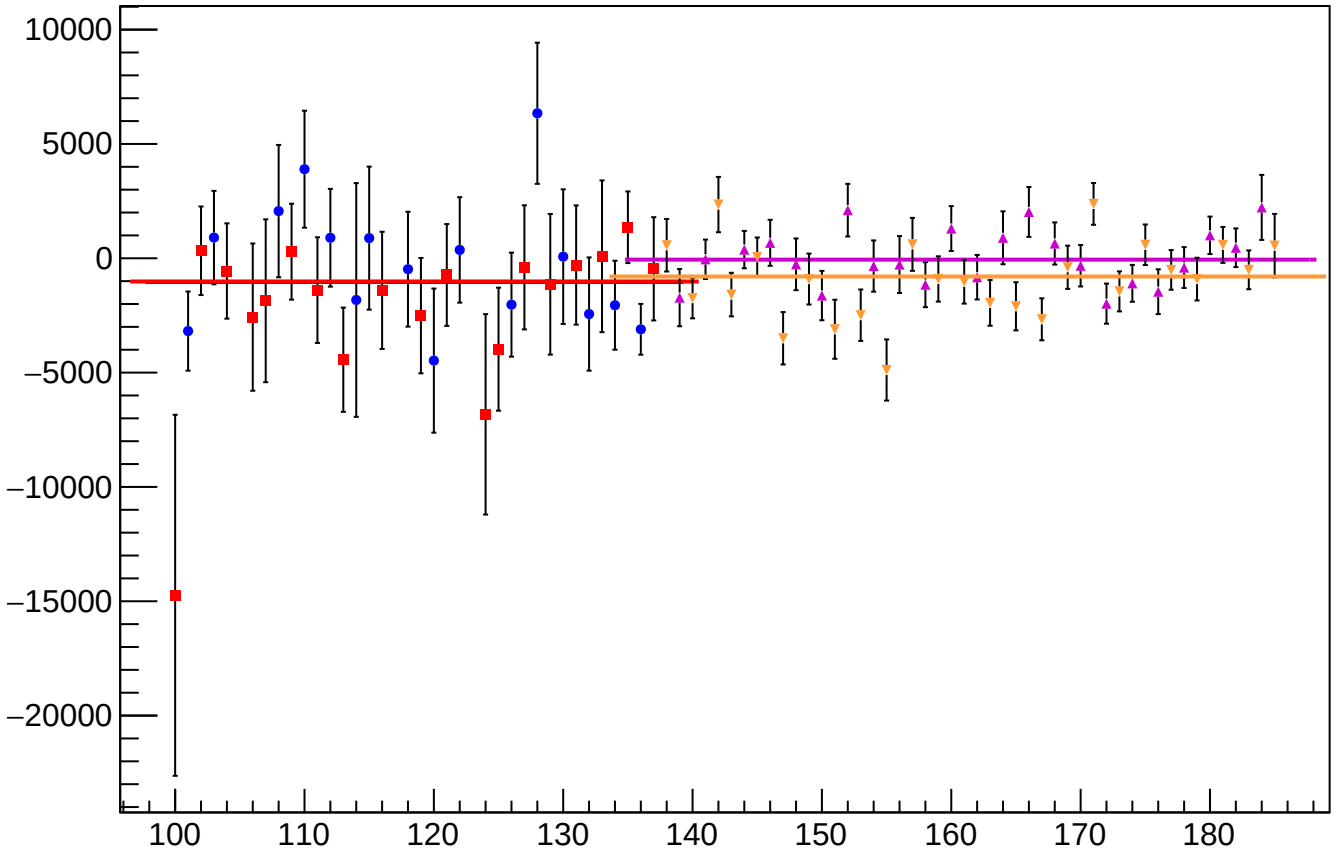
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.255+/-0.011 χ^2/NDF: 779238.2/40

All: 81.336+/-0.008 χ^2/NDF: 1540772.4/82

- 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: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

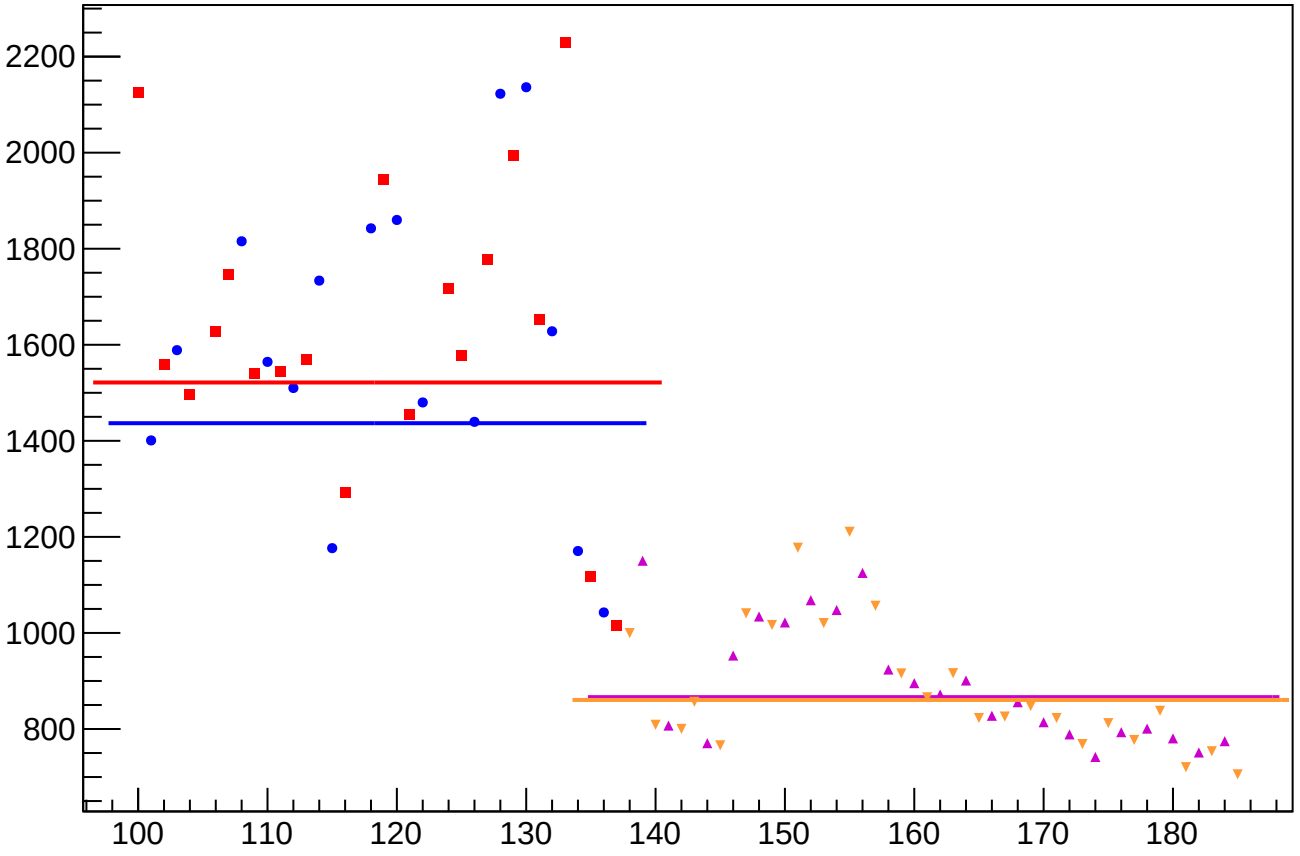
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.260+/-186.207 χ^2/NDF: 79.9/40

All: -507.156+/-133.813 χ^2/NDF: 131.3/82

- 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: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

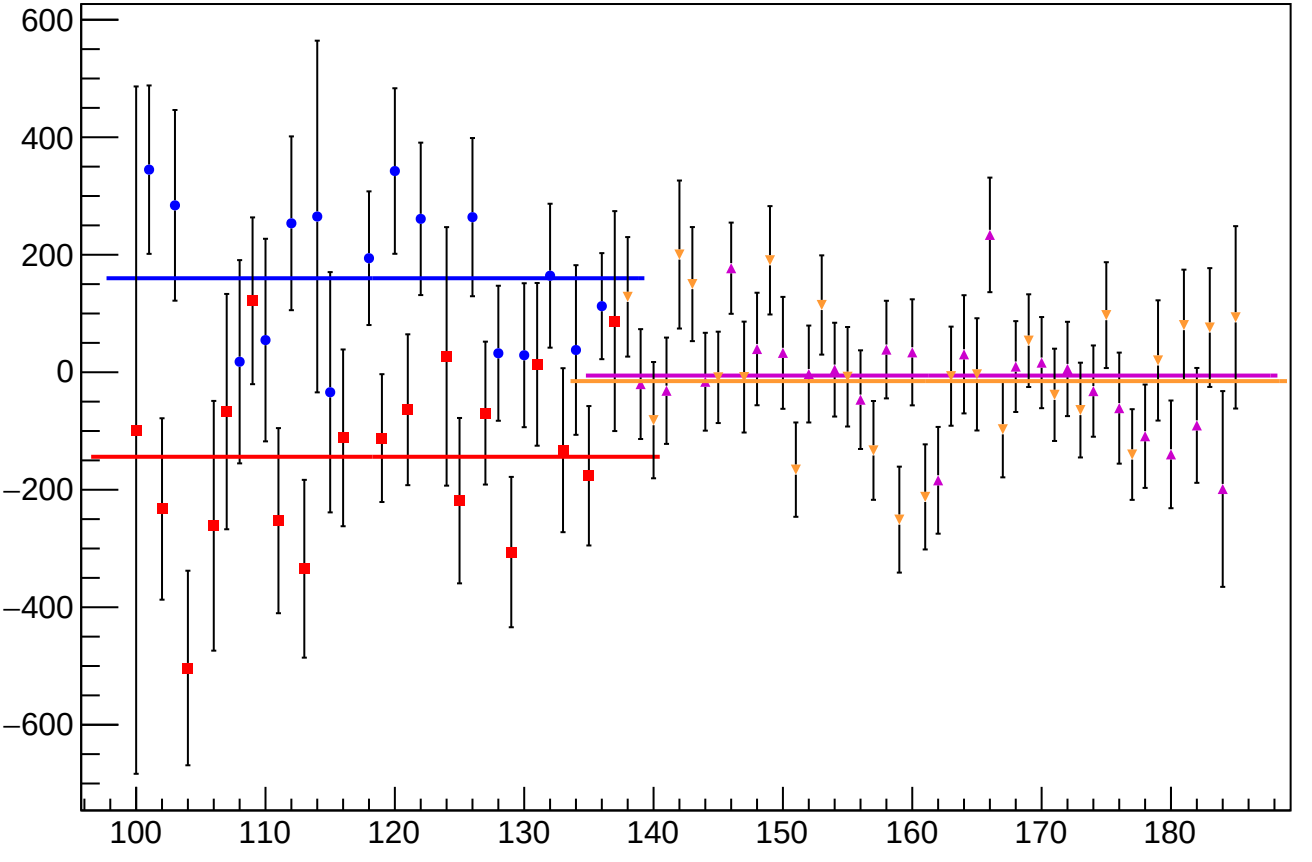
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

\+ sign 926.492+/-0.132 χ^2/NDF: 3317435.7/40

All: 933.544+/-0.095 χ^2/NDF: 6777633.6/82

\- sign 941.075+/-0.136 χ^2/NDF: 3454265.8/41

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

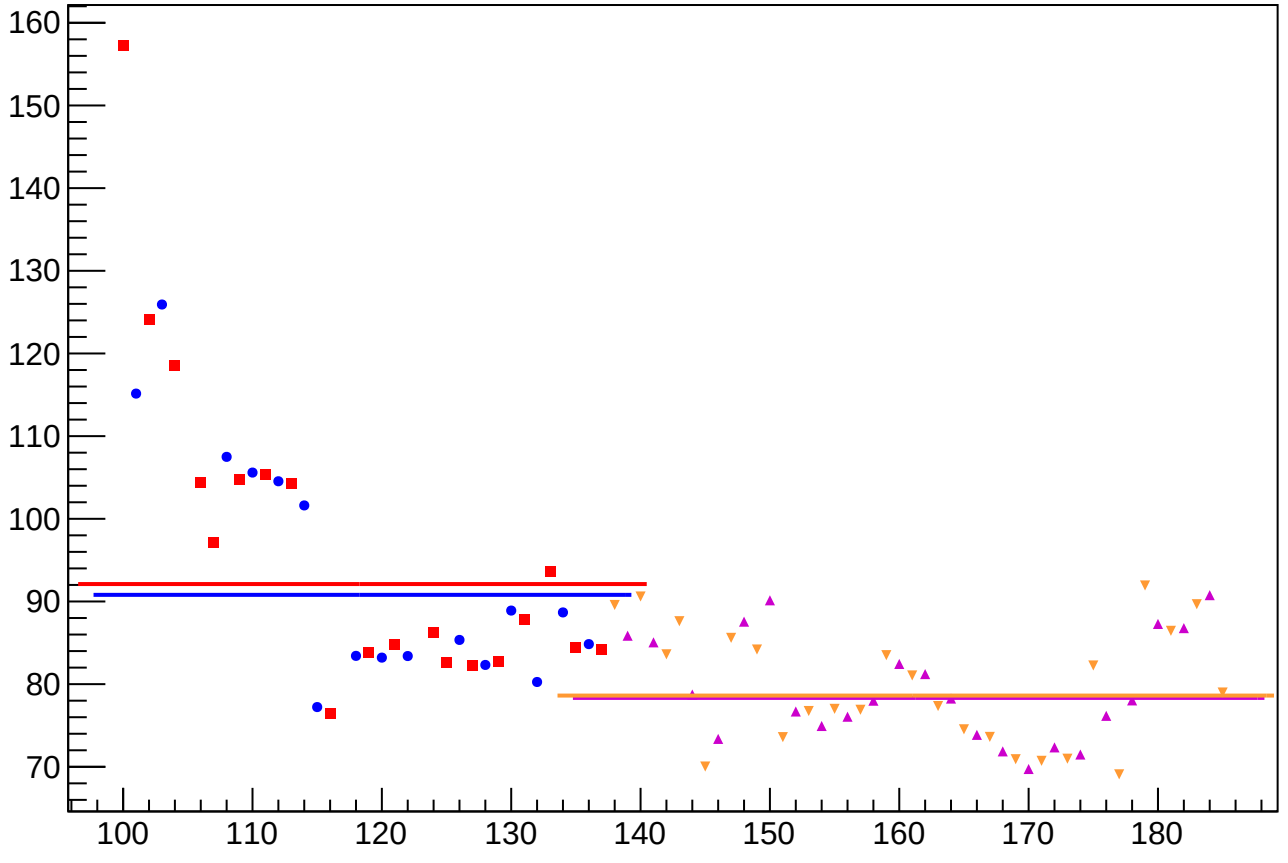
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.799+/-15.896 χ^2/NDF: 73.3/40

All: -6.344+/-11.343 χ^2/NDF: 133.2/82

- 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: 78.618+/-0.013 χ^2/NDF:307235.6/24

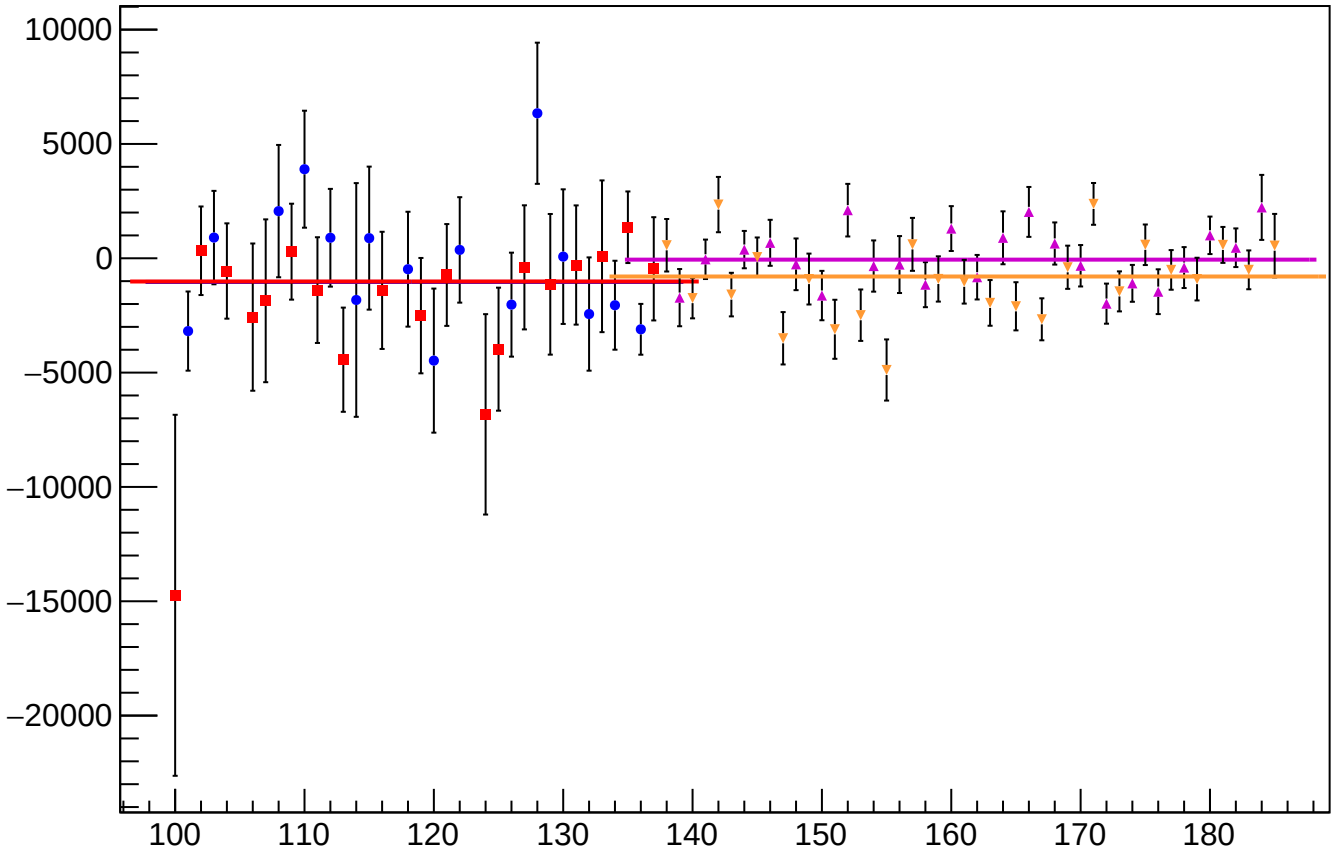
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.255+/-0.011 χ^2/NDF: 779238.2/40

All: 81.336+/-0.008 χ^2/NDF: 1540772.4/82

- 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: -797.000+/-197.884 χ^2/NDF:59.5/24

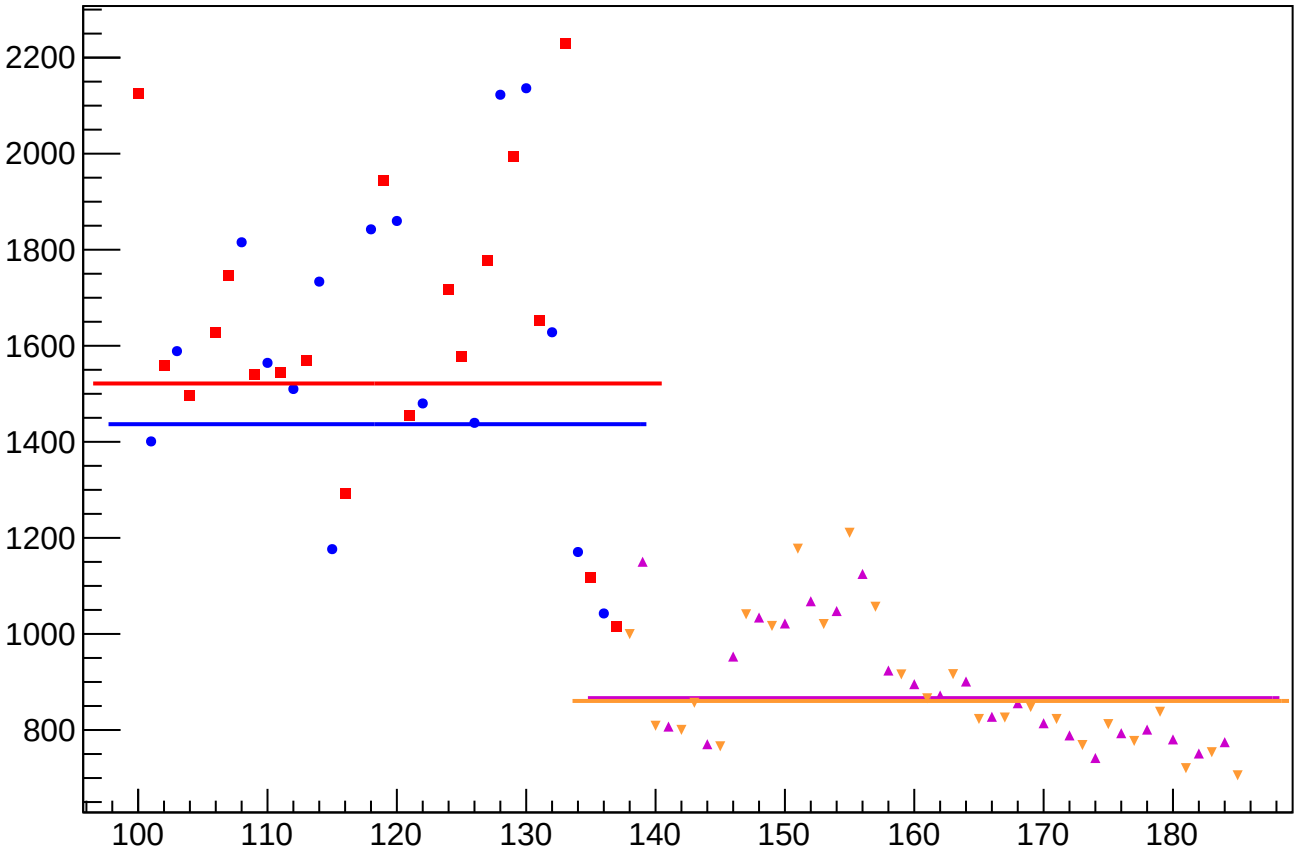
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.260+/-186.207 χ^2/NDF: 79.9/40

All: -507.156+/-133.813 χ^2/NDF: 131.3/82

- 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: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

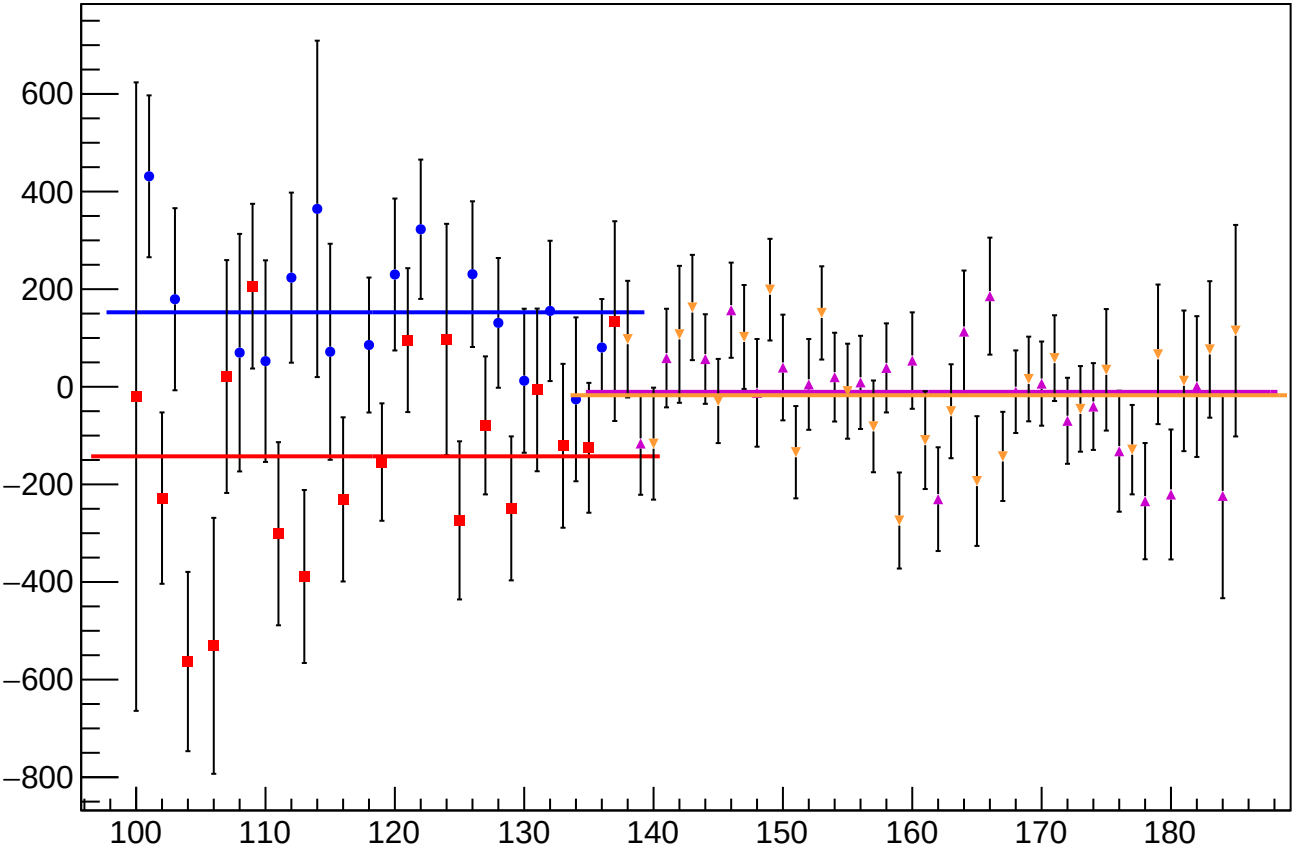
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 926.492+/-0.132 χ^2/NDF: 3317435.7/40

All: 933.544+/-0.095 χ^2/NDF: 6777633.6/82

- 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: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

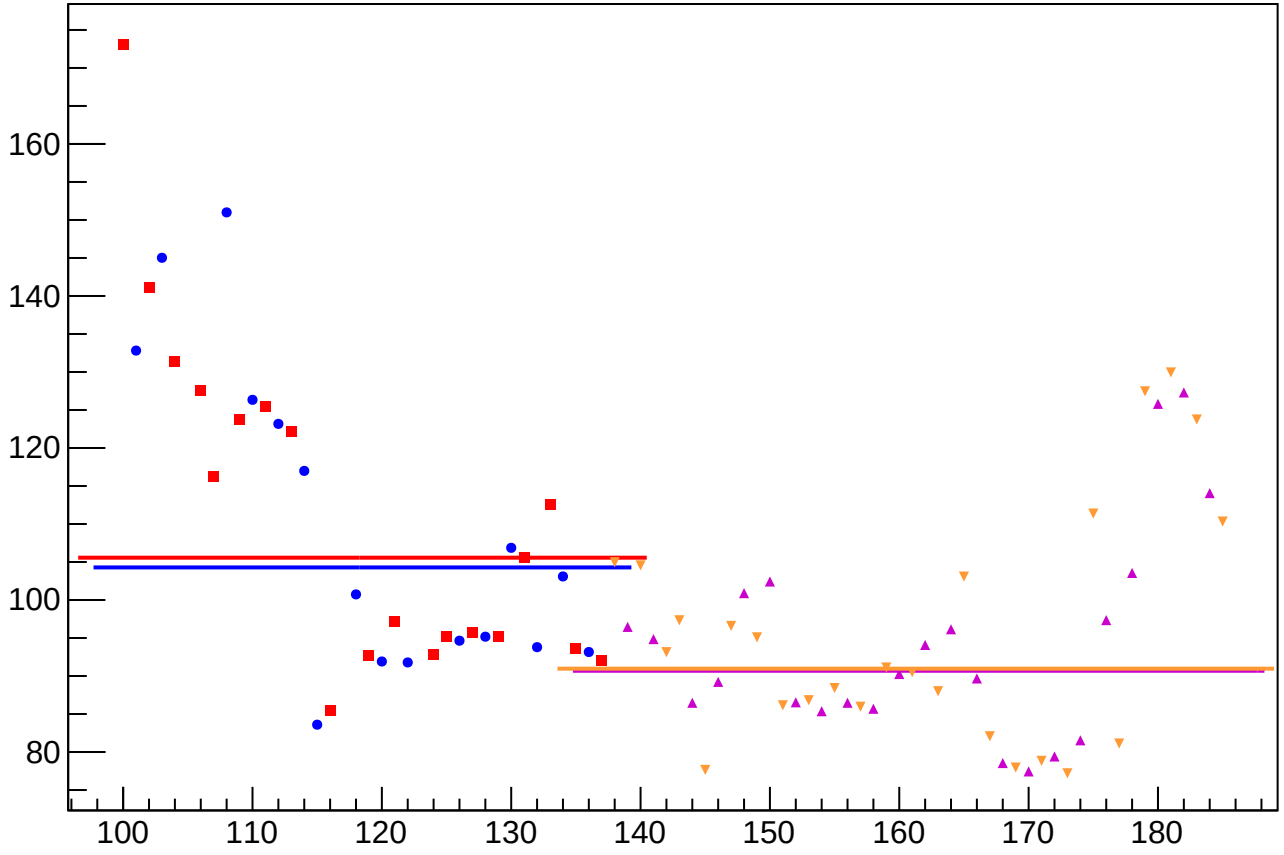
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 20.144+/-18.528 χ^2/NDF: 54.3/40

All: -9.771+/-13.220 χ^2/NDF: 113.9/82

- sign -40.796+/-18.869 χ^2/NDF: 54.2/41

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

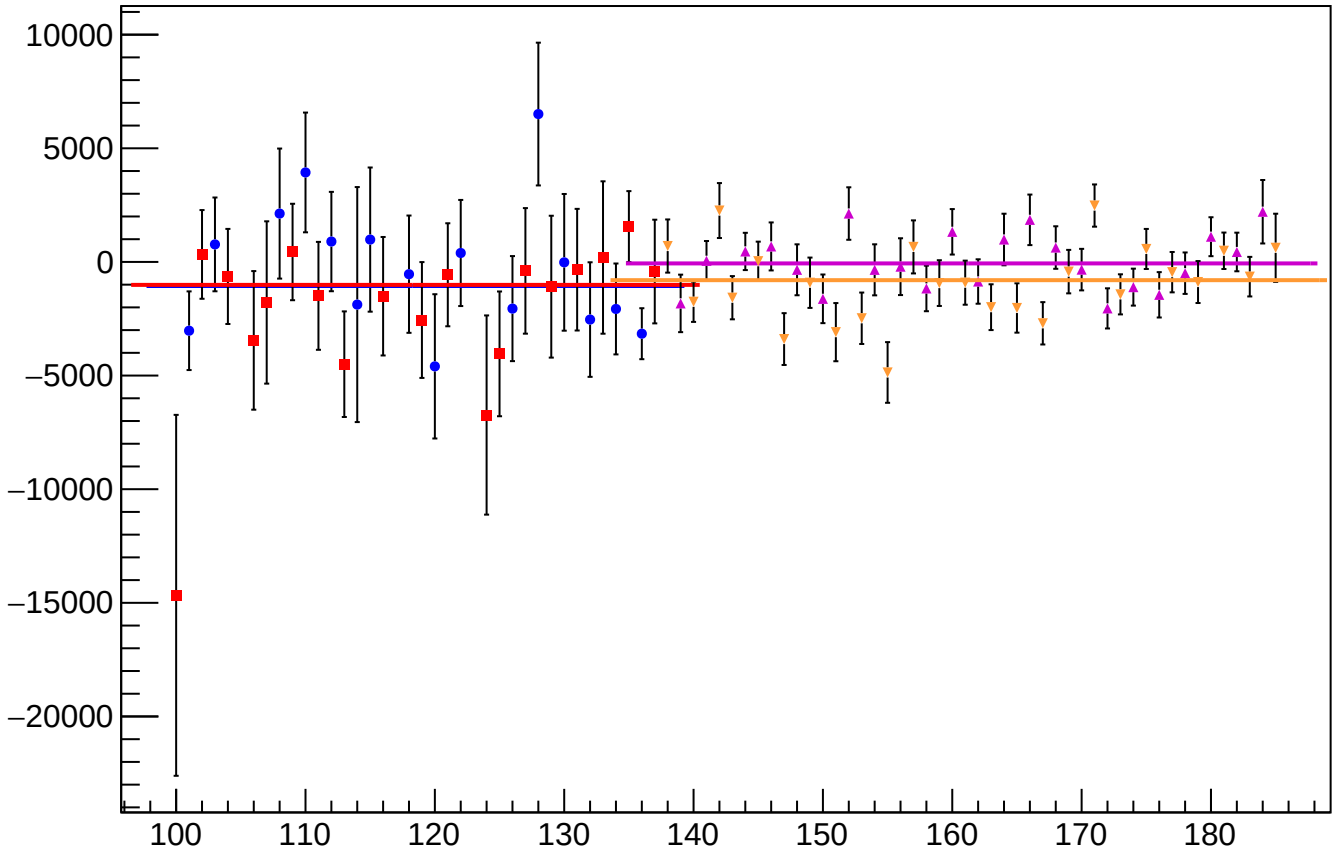
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

\+ sign 93.905+/-0.013 χ^2/NDF: 1340553.7/40

All: 94.007+/-0.009 χ^2/NDF: 2451503.0/82

\- sign 94.113+/-0.013 χ^2/NDF: 1110826.3/41



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

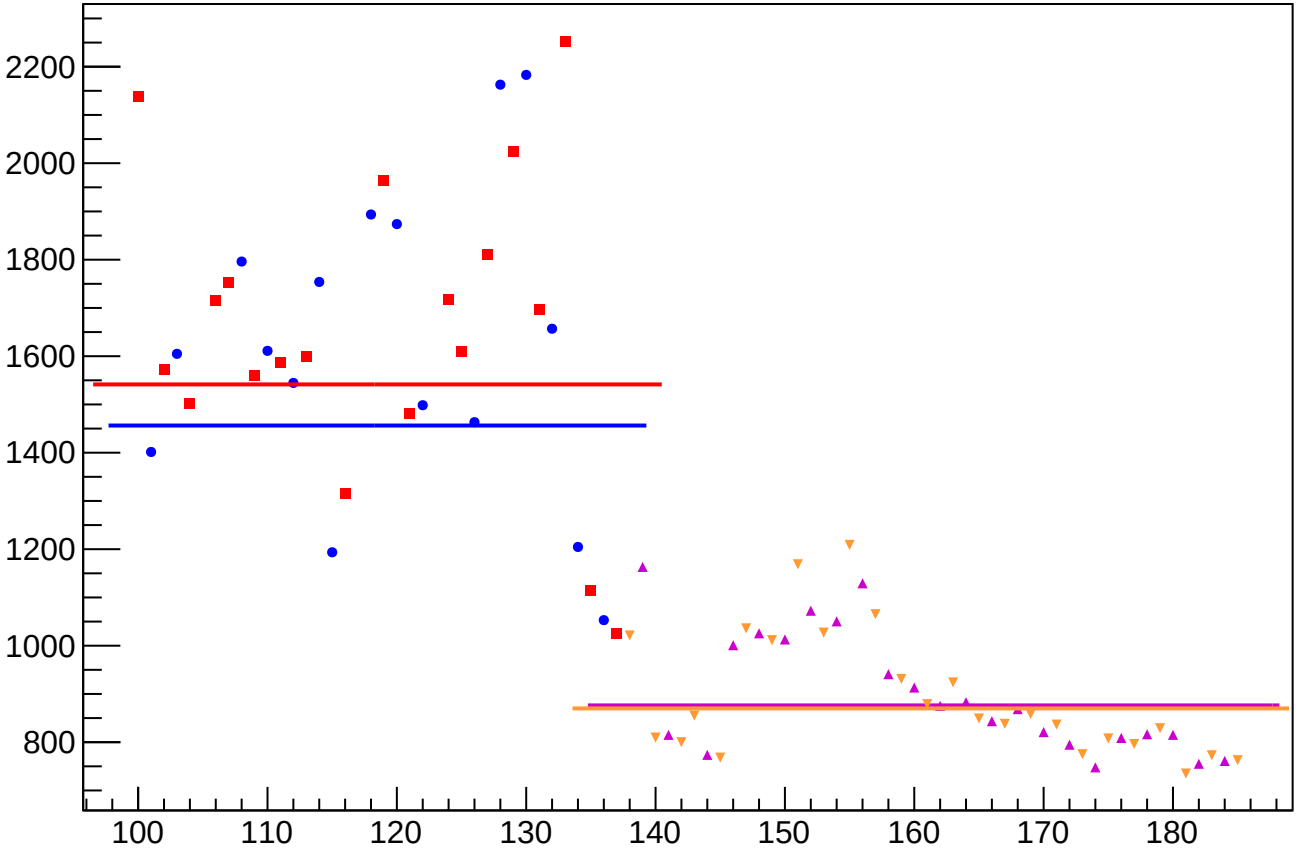
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.764+/-188.134 χ^2/NDF: 78.5/40

All: -513.468+/-135.225 χ^2/NDF: 130.9/82

- 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: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

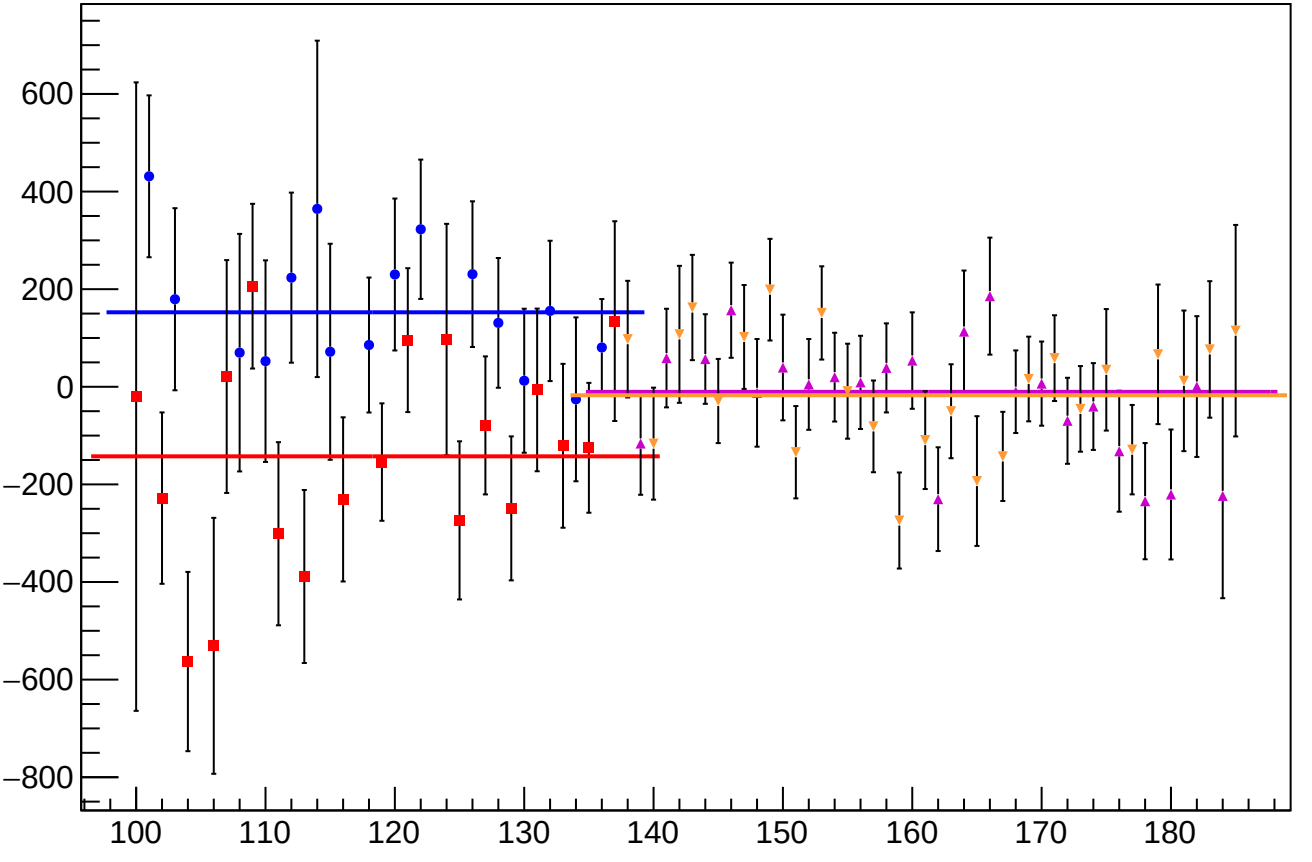
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

\+ sign 936.741+/-0.133 χ^2/NDF: 3291232.9/40

All: 944.292+/-0.096 χ^2/NDF: 6784500.9/82

\- 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: -17.356+/-20.987 χ^2/NDF:31.2/24

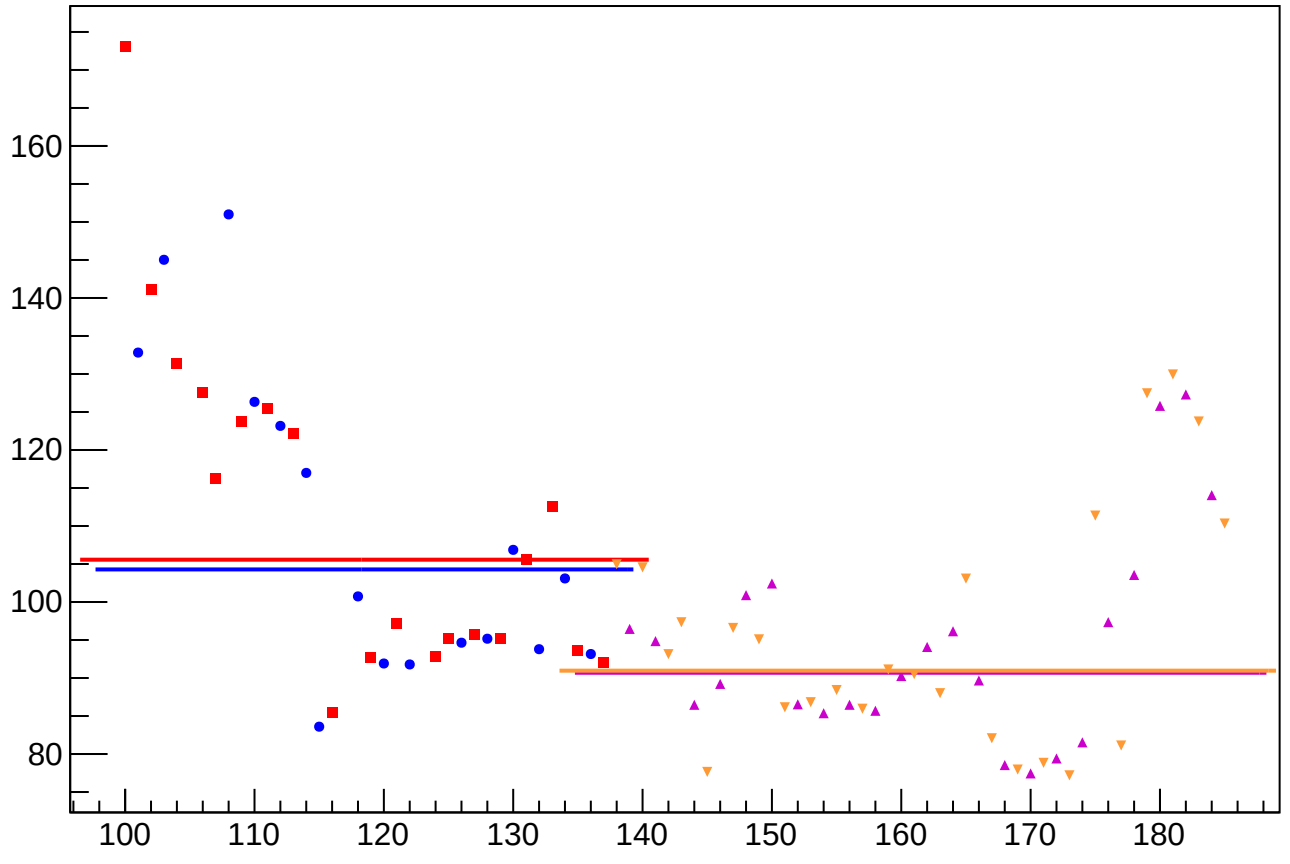
Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 20.145+/-18.528 χ^2/NDF: 54.3/40

All: -9.770+/-13.220 χ^2/NDF: 113.9/82

- sign -40.796+/-18.869 χ^2/NDF: 54.2/41



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

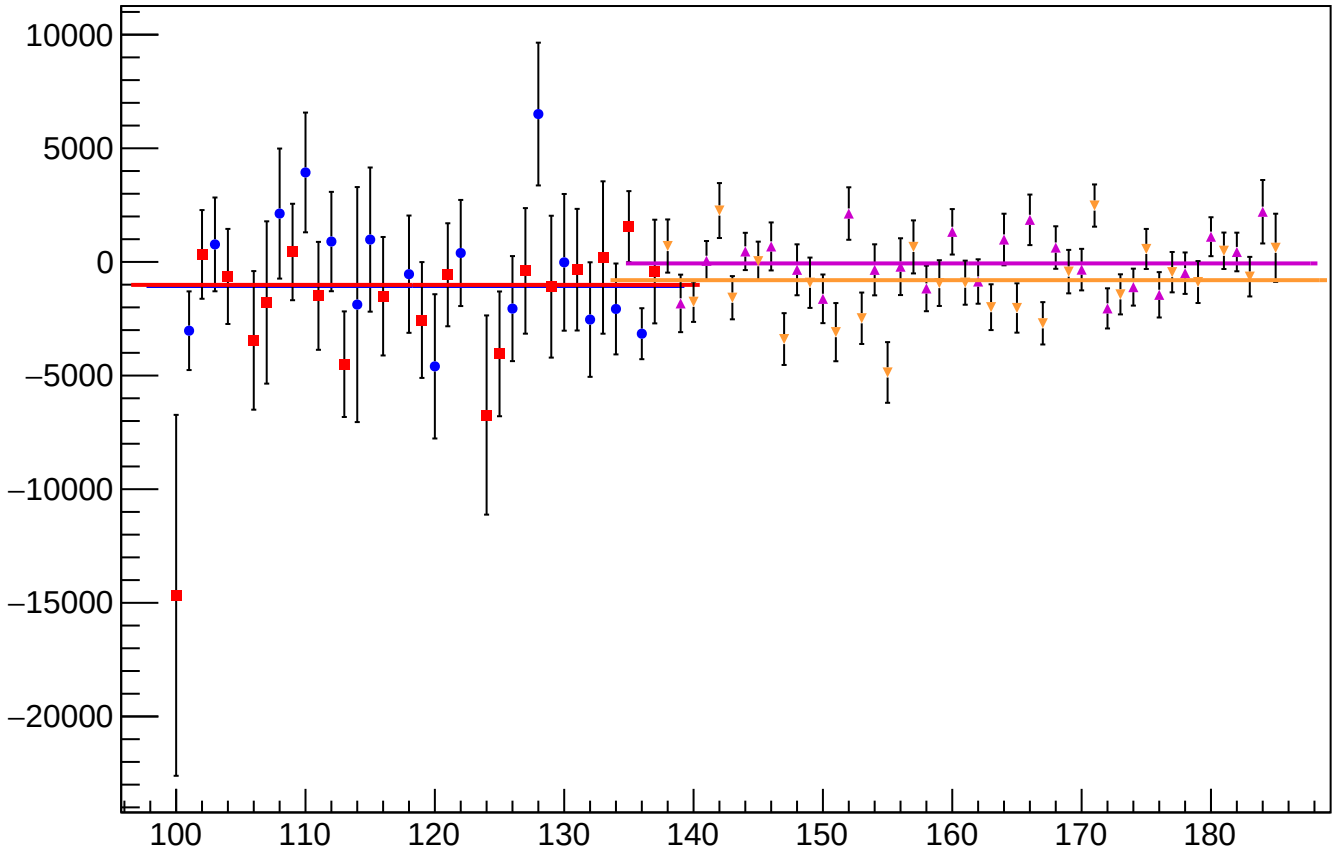
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 93.905+/-0.013 χ^2/NDF: 1340535.7/40

All: 94.007+/-0.009 χ^2/NDF: 2451457.2/82

- 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: -802.531+/-199.851 χ^2/NDF:58.3/24

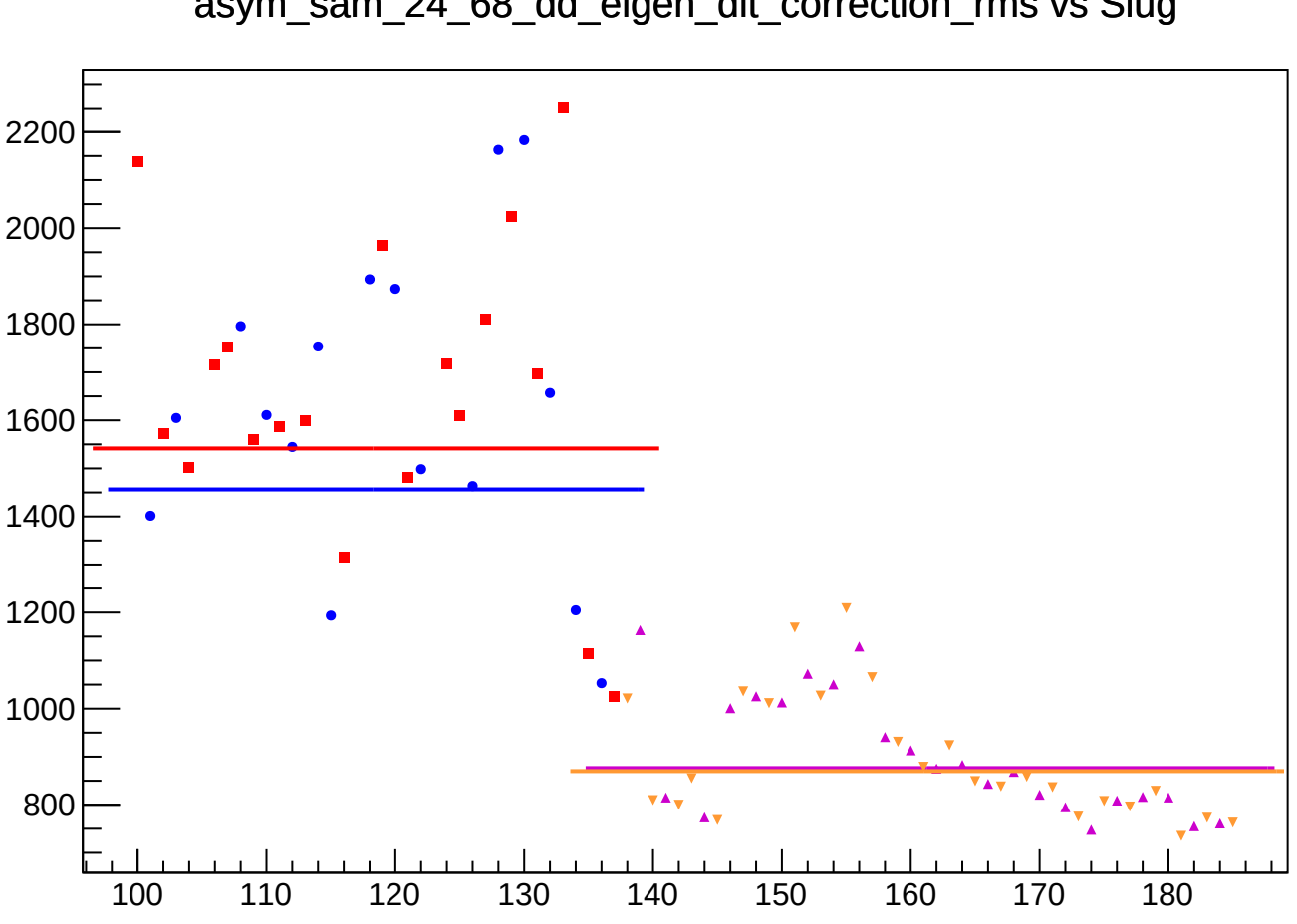
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.763+/-188.134 χ^2/NDF: 78.5/40

All: -513.467+/-135.225 χ^2/NDF: 130.9/82

- 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: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

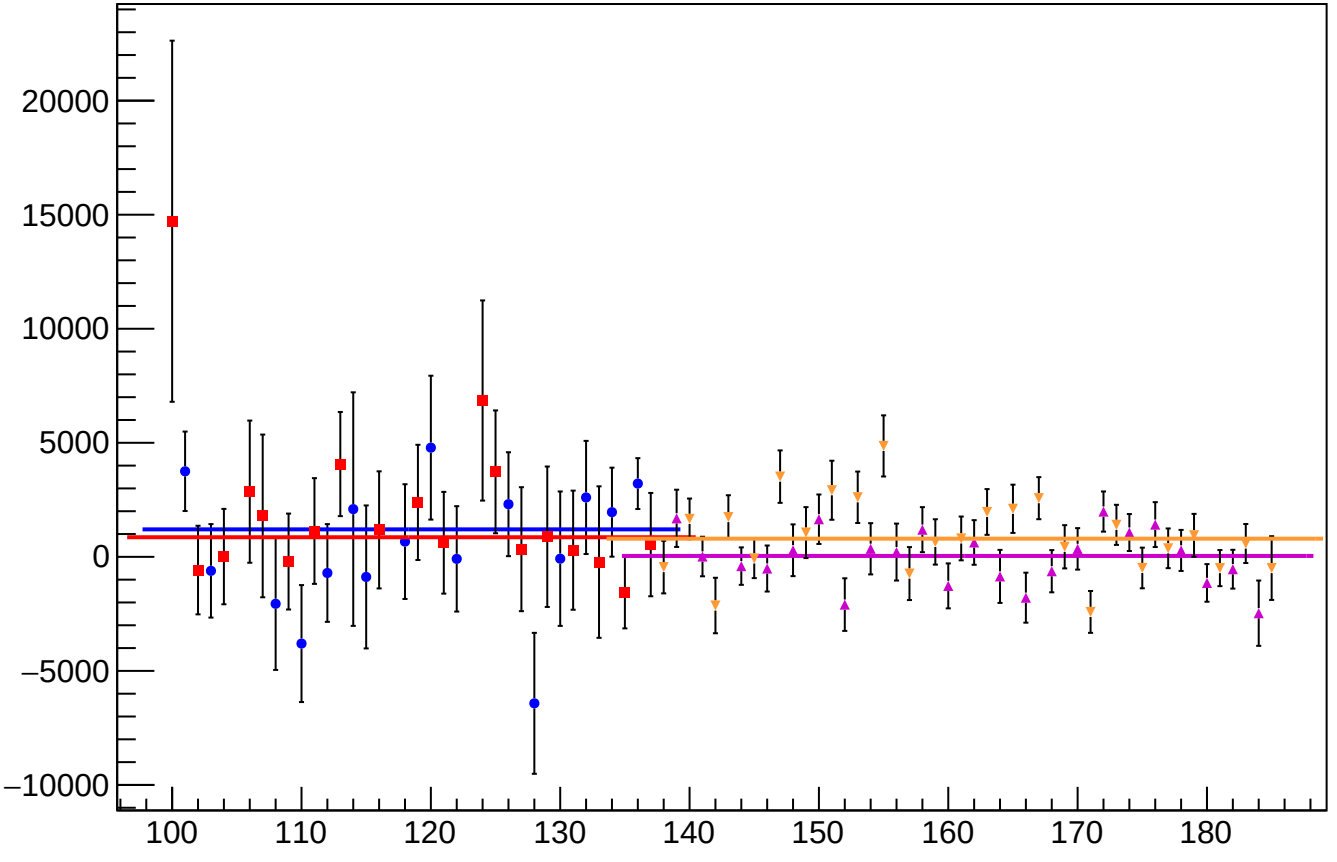
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 936.740+/-0.133 χ^2/NDF: 3291226.1/40

All: 944.292+/-0.096 χ^2/NDF: 6784487.8/82

- 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: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

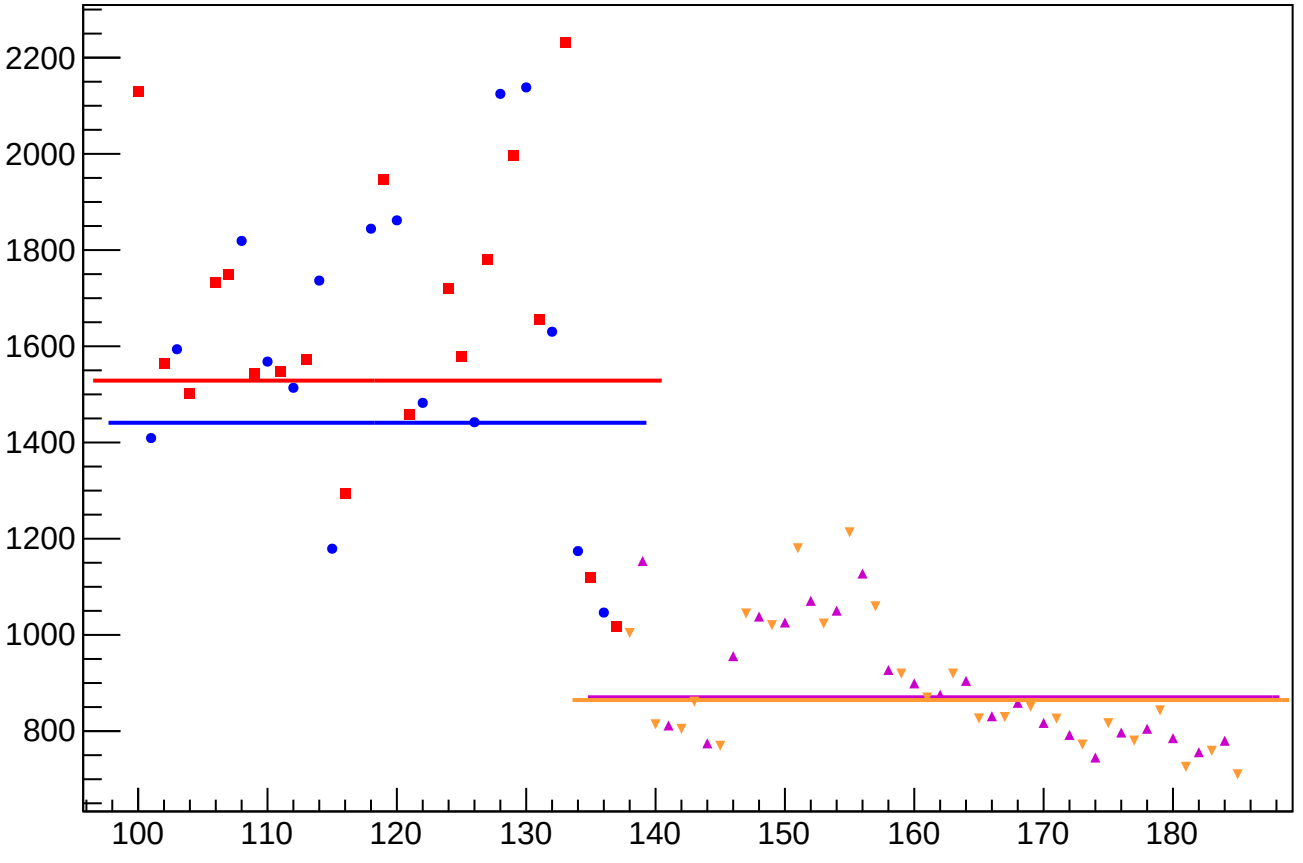
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

\+ sign 843.219+/-187.031 χ^2/NDF: 78.8/40

All: 500.024+/-134.382 χ^2/NDF: 129.8/82

\- 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: 864.637+/-0.141 χ^2/NDF:688948.2/24

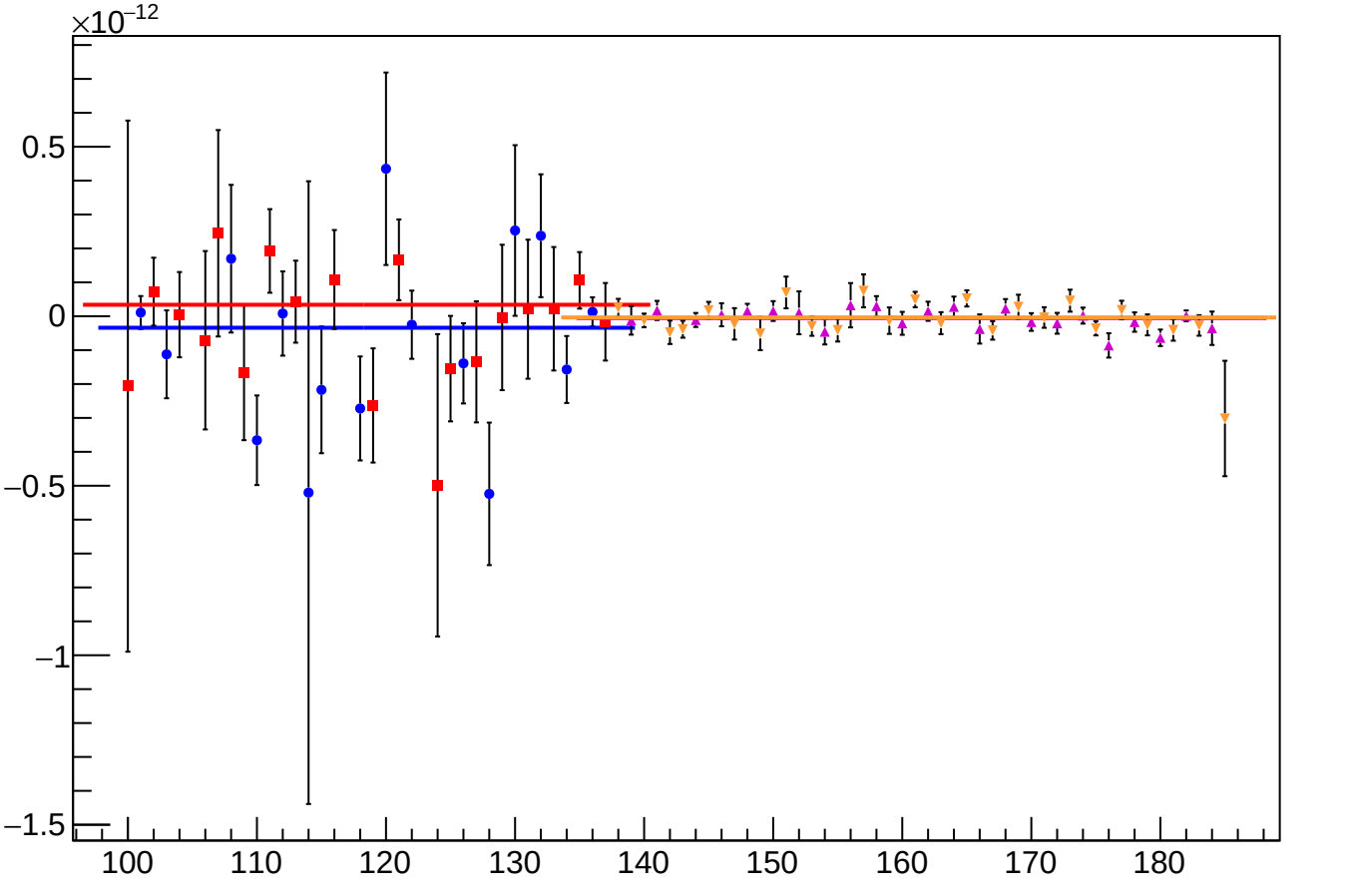
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 930.872+/-0.132 χ^2/NDF: 3291565.1/40

All: 938.132+/-0.095 χ^2/NDF: 6762395.3/82

- 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:38.7/24

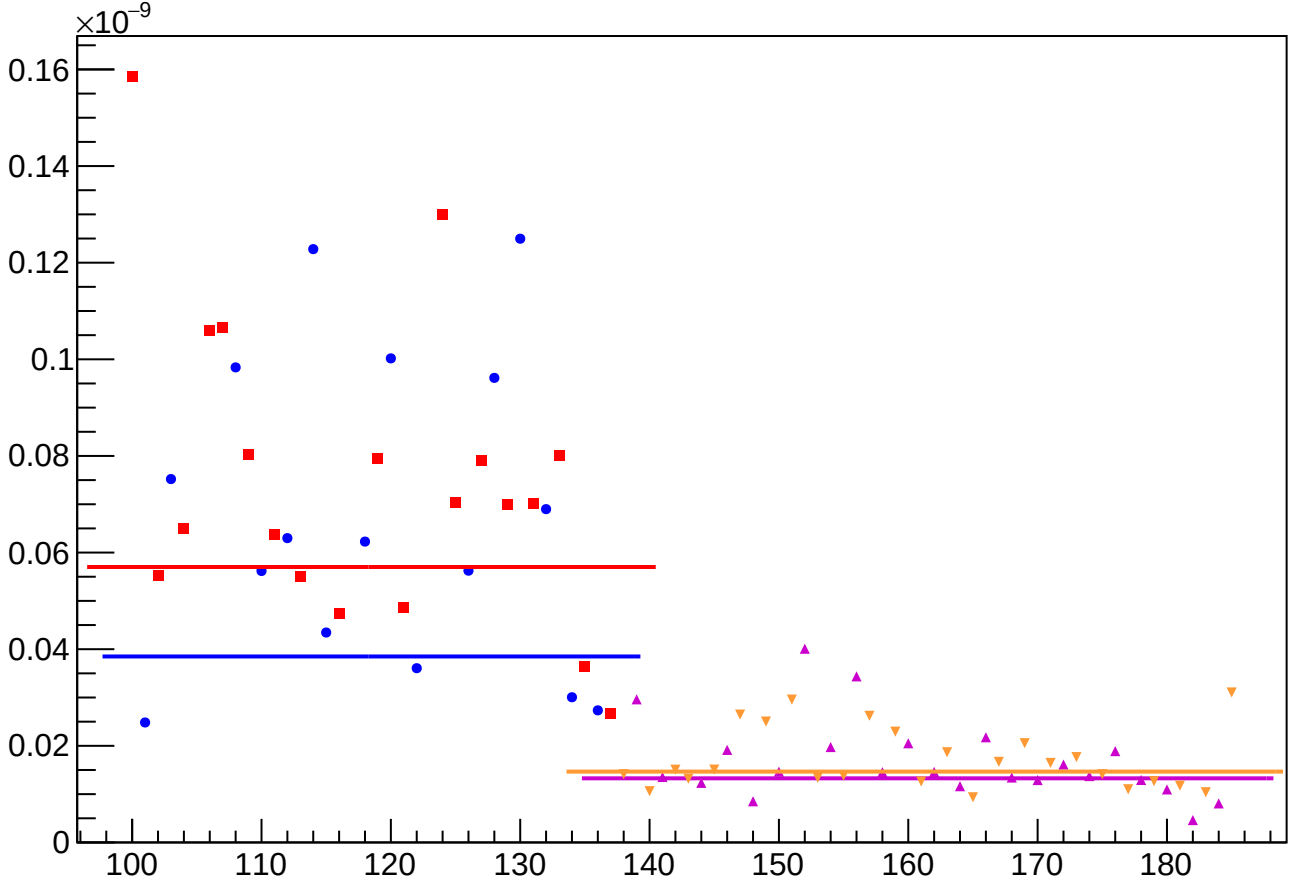
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/40

All: -0.000+/-0.000 χ^2/NDF: 102.5/82

- 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:1073691.3/24

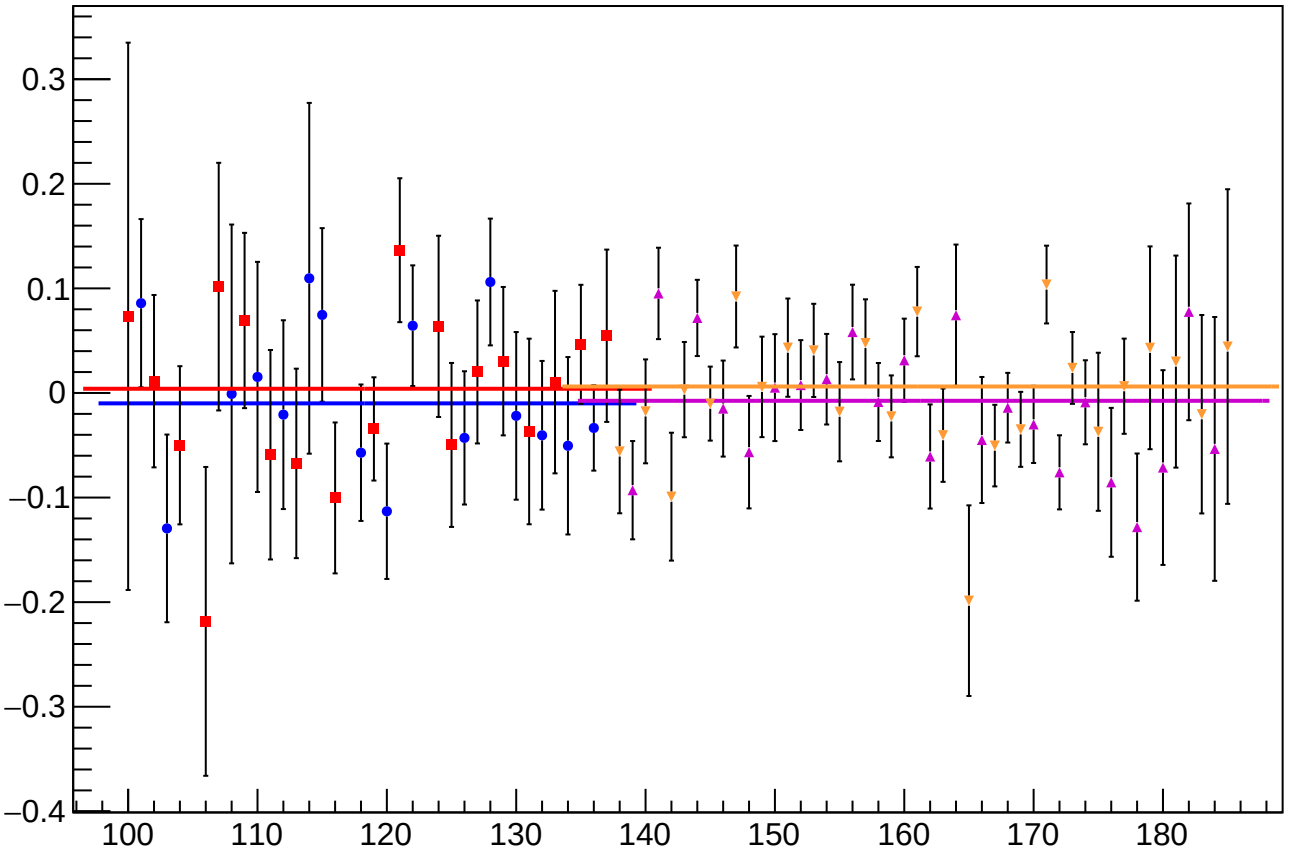
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4168307.1/40

All: 0.000+/-0.000 χ^2/NDF: 10102185.8/82

- 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:30.8/24

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

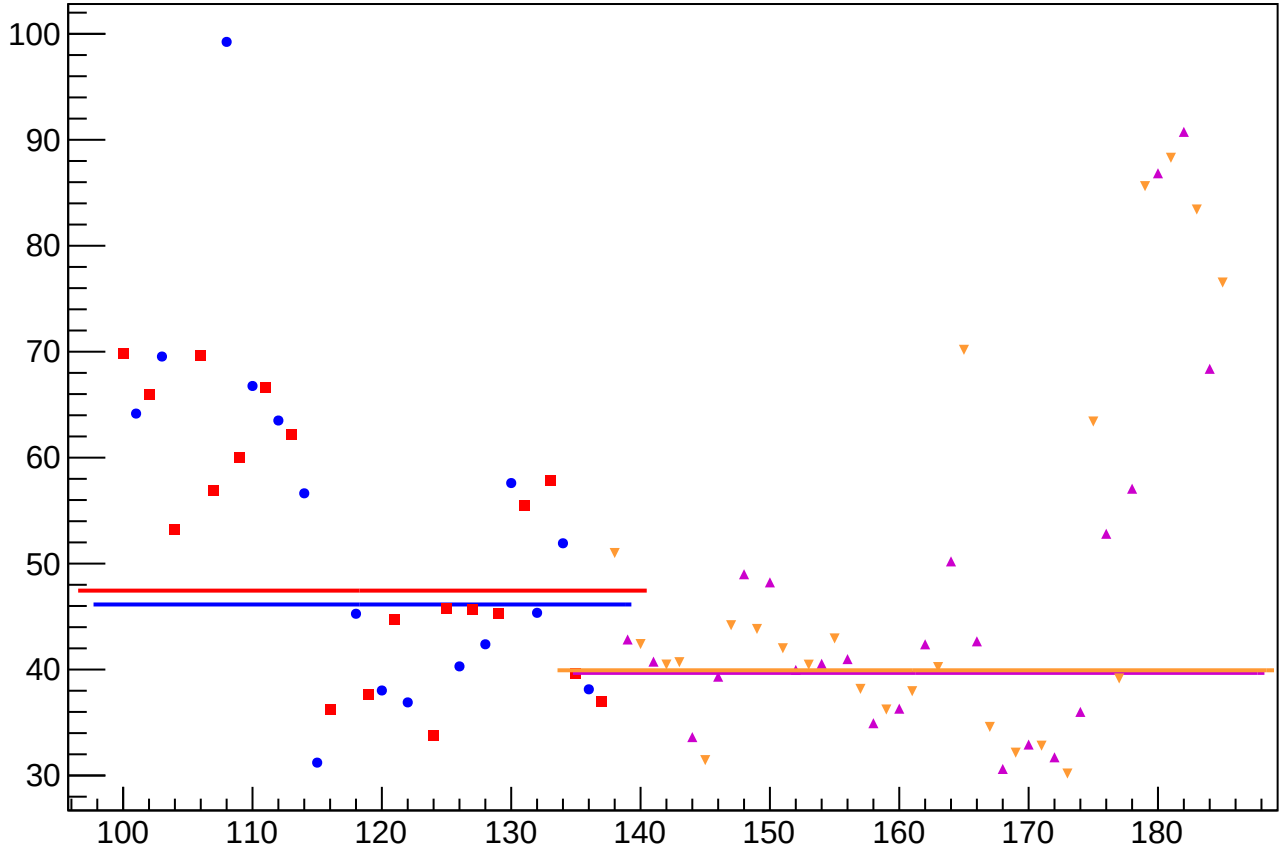
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.7/40

All: -0.001+/-0.006 χ^2/NDF: 90.7/82

- sign -0.005+/-0.009 χ^2/NDF: 44.6/41

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

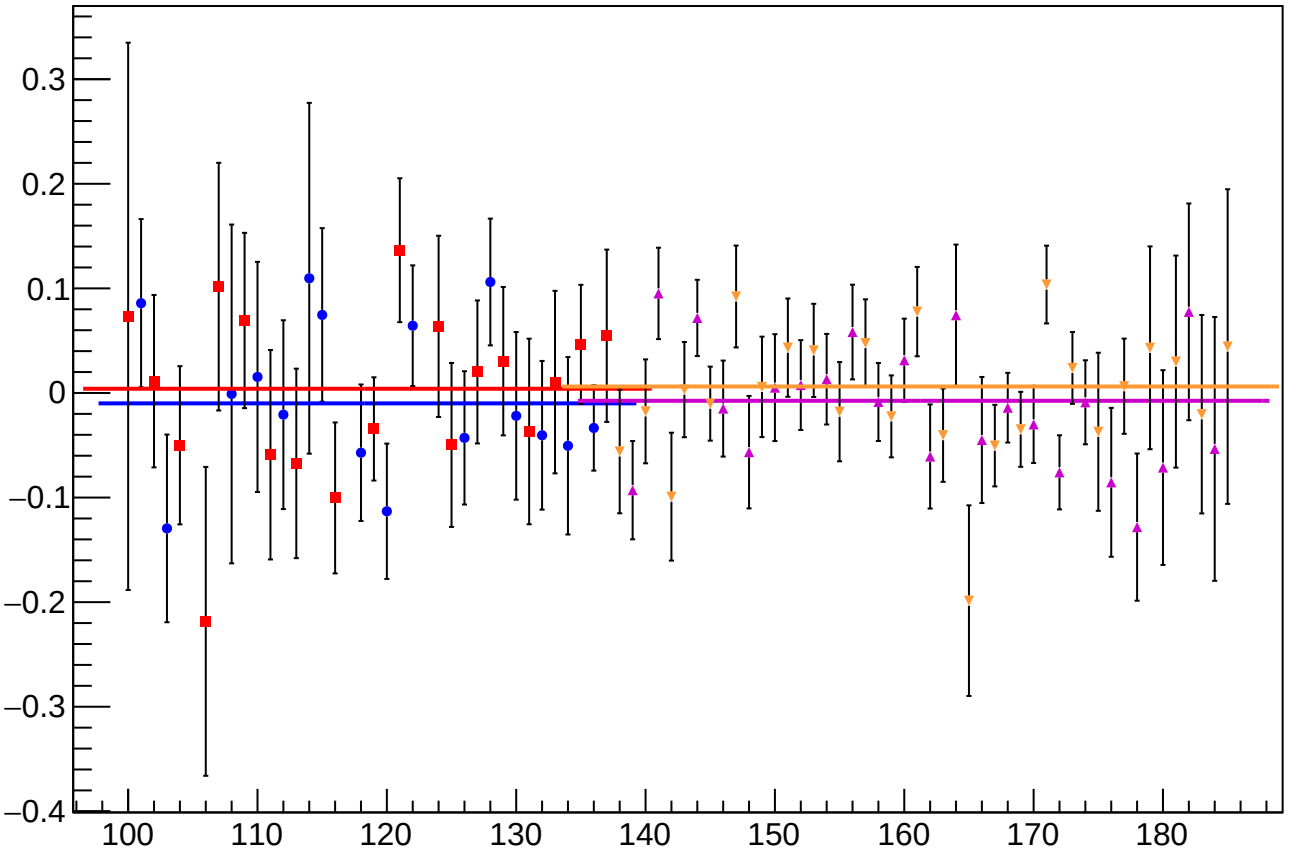
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.300+/-0.006 χ^2/NDF: 3564527.6/40

All: 41.369+/-0.004 χ^2/NDF: 6420442.5/82

- 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:30.8/24

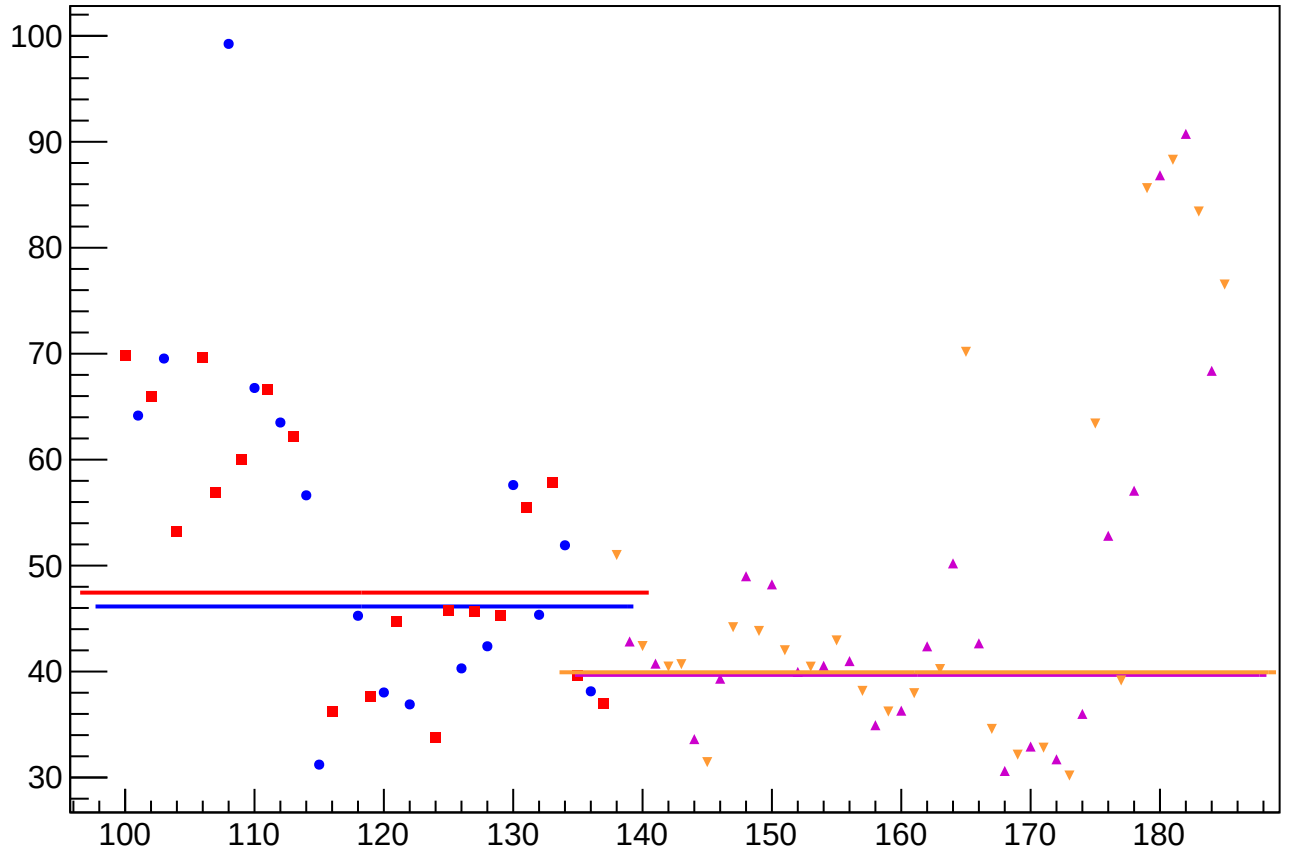
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.7/40

All: -0.001+/-0.006 χ^2/NDF: 90.7/82

- 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: 39.930+/-0.007 χ^2/NDF:2475485.4/24

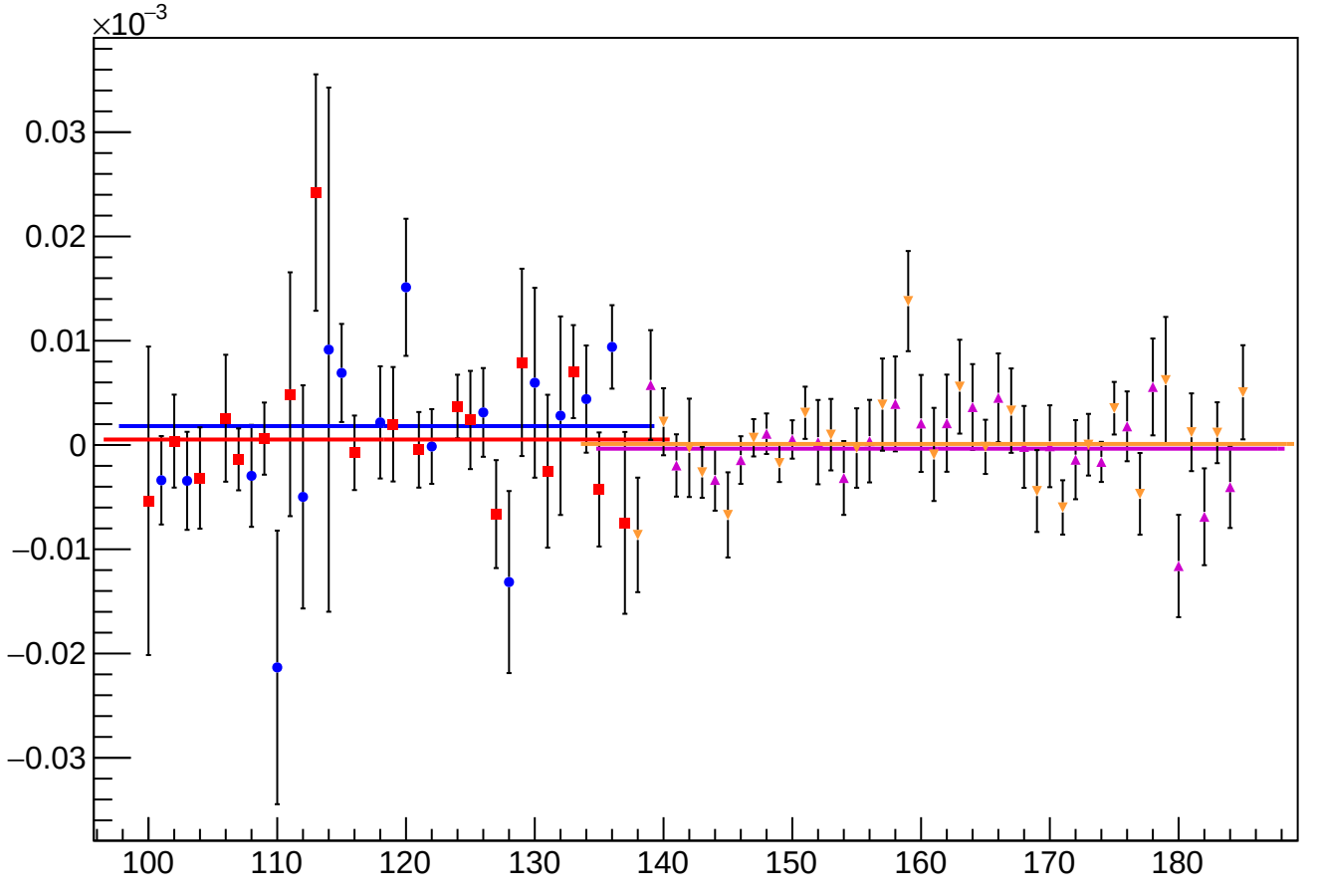
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.300+/-0.006 χ^2/NDF: 3564527.6/40

All: 41.369+/-0.004 χ^2/NDF: 6420442.5/82

- 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:33.2/24

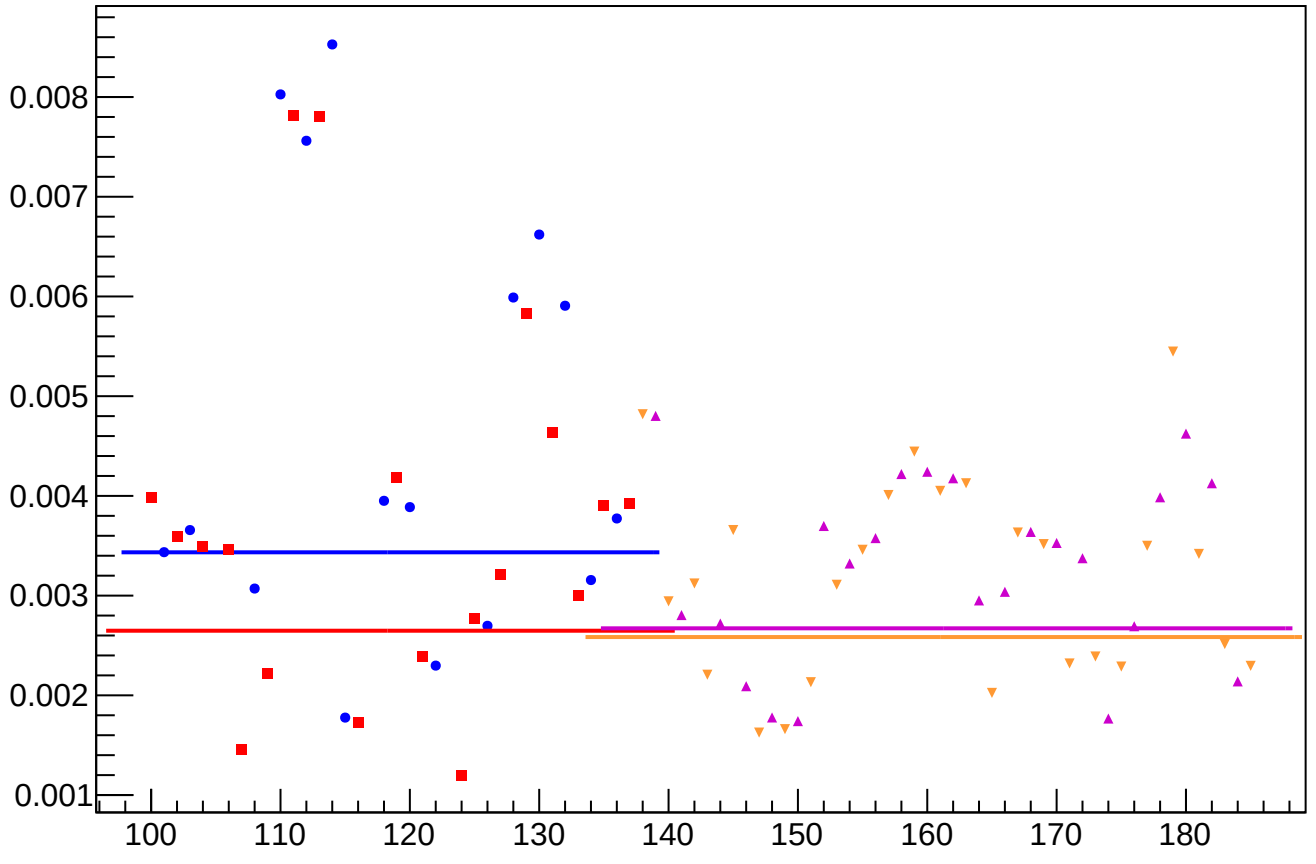
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 54.5/40

All: 0.000+/-0.000 χ^2/NDF: 87.8/82

- 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:3892707.7/24

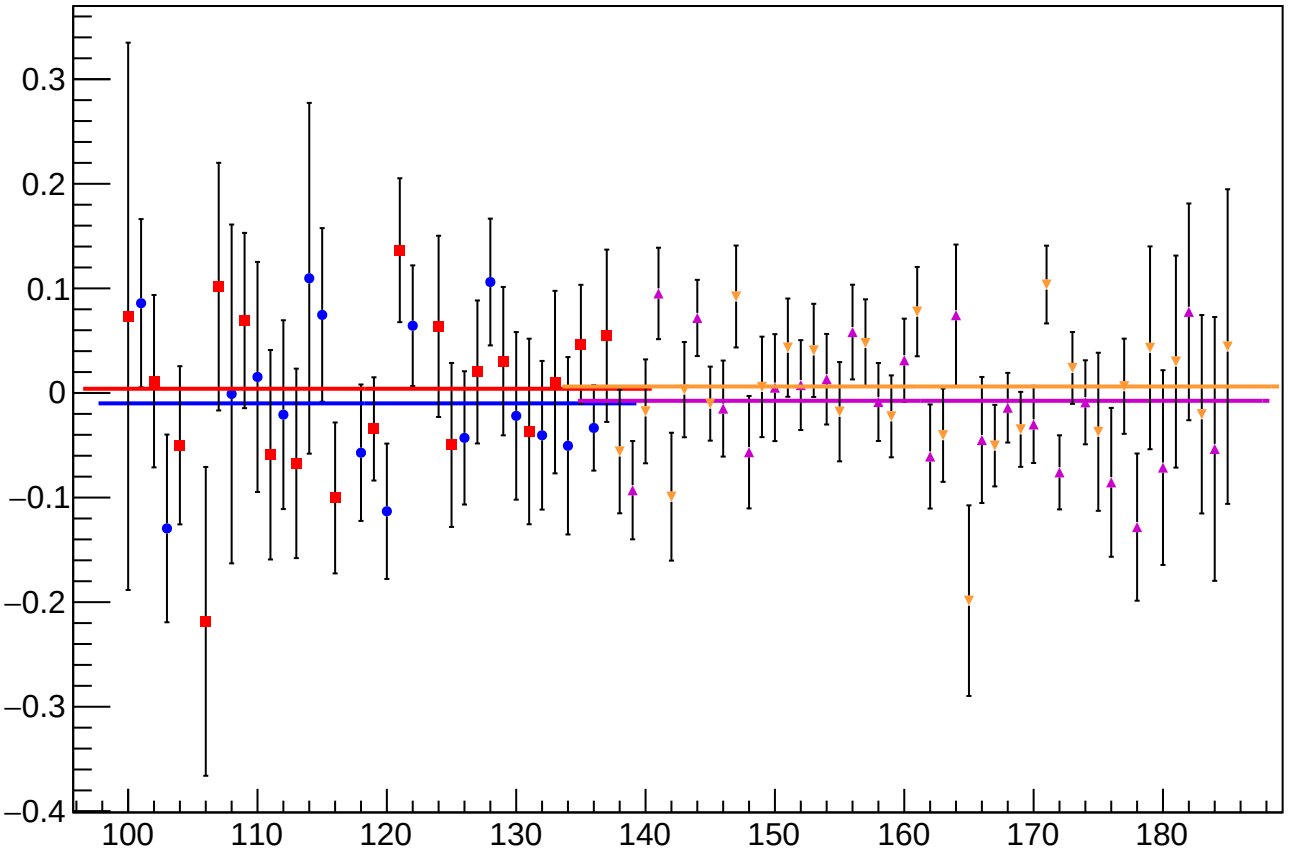
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 6275994.1/40

All: 0.003+/-0.000 χ^2/NDF: 12812465.6/82

- 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:30.8/24

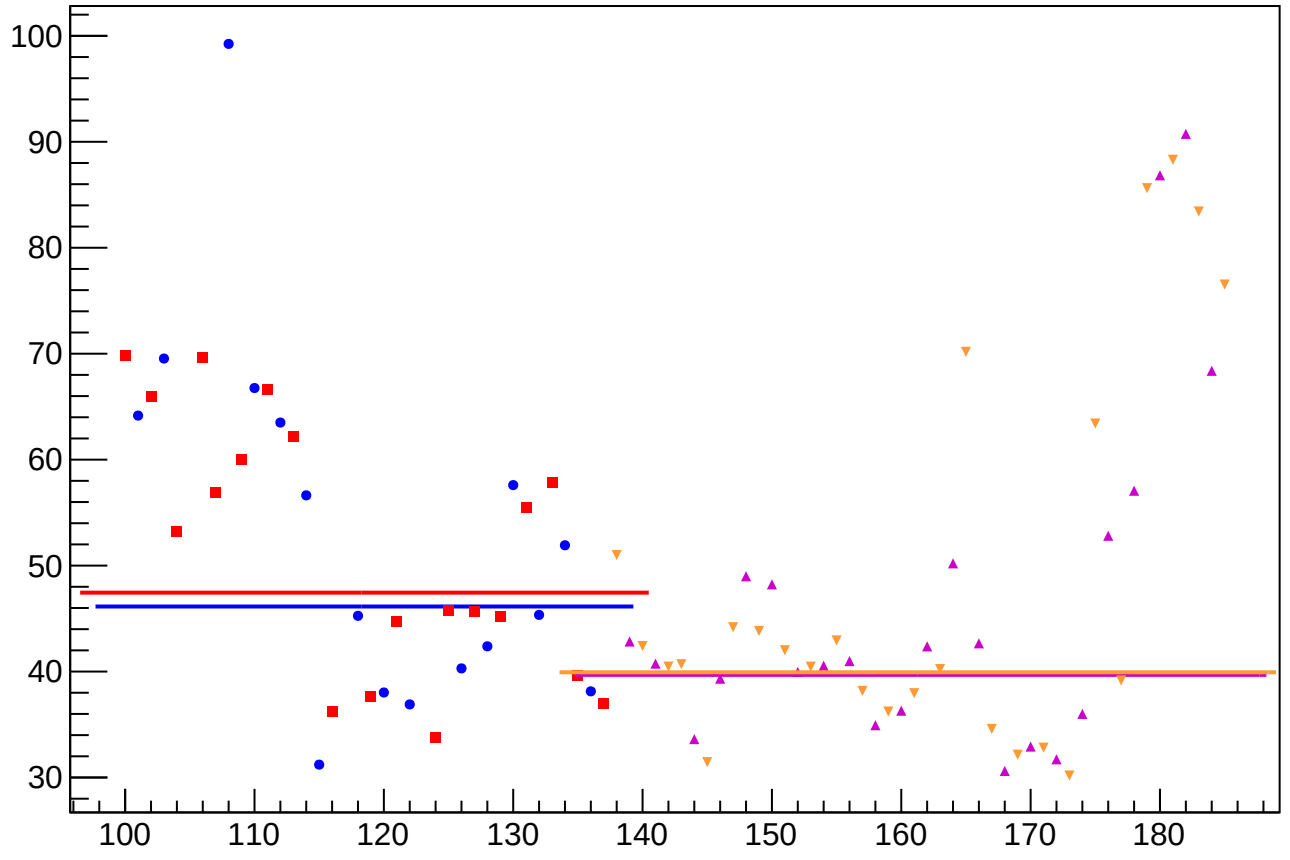
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.7/40

All: -0.001+/-0.006 χ^2/NDF: 90.7/82

- 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: 39.930+/-0.007 χ^2/NDF:2475527.1/24

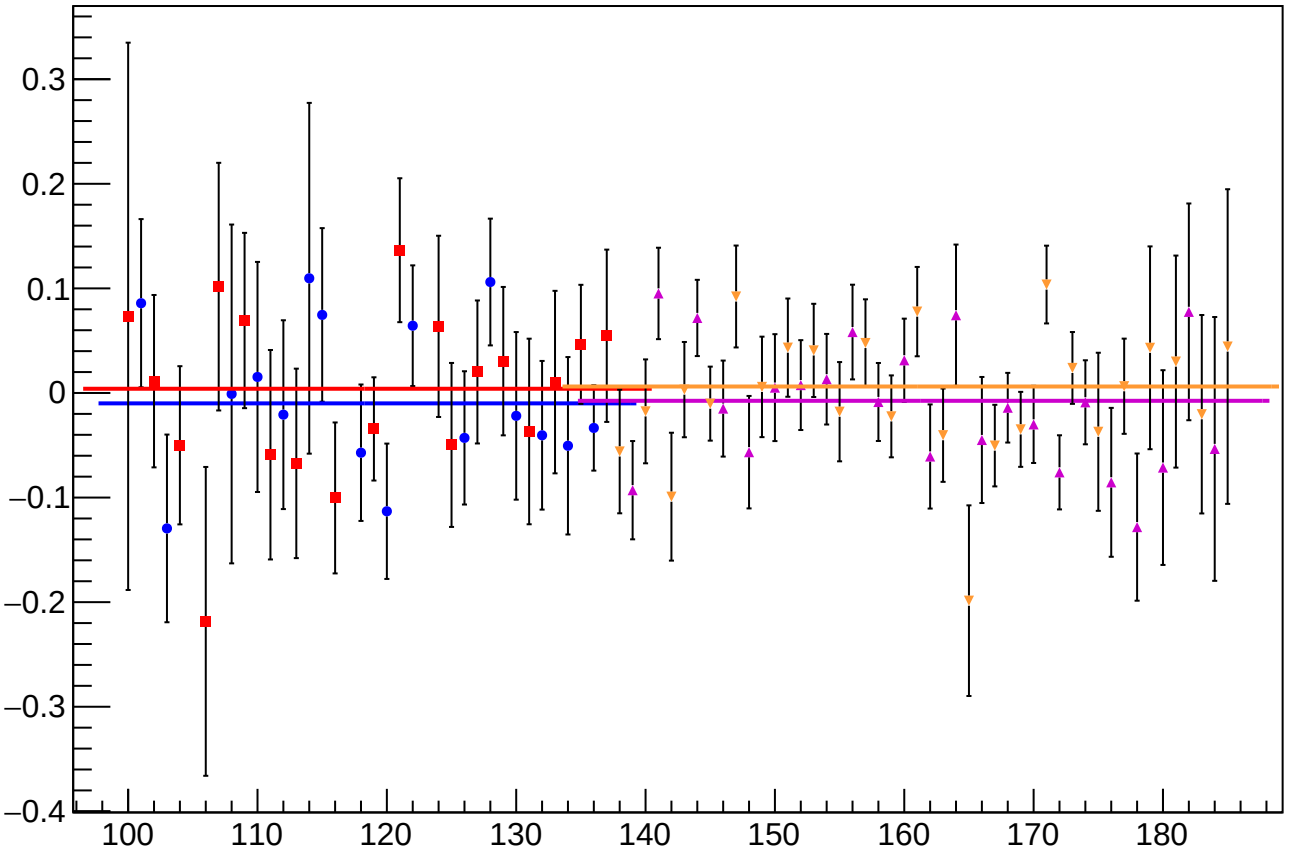
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.300+/-0.006 χ^2/NDF: 3564450.5/40

All: 41.368+/-0.004 χ^2/NDF: 6420325.6/82

- 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:30.8/24

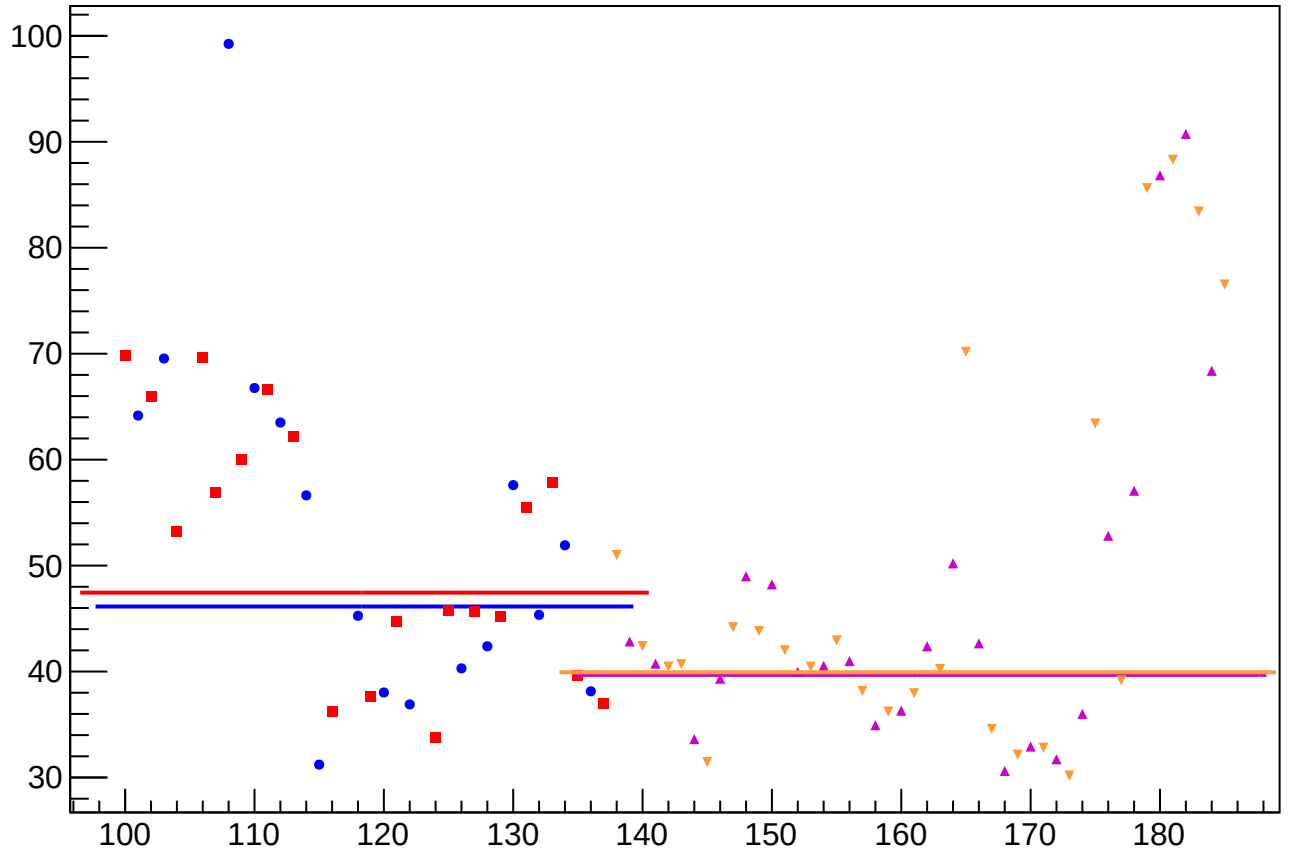
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.7/40

All: -0.001+/-0.006 χ^2/NDF: 90.7/82

- 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: 39.930+/-0.007 χ^2/NDF:2475527.1/24

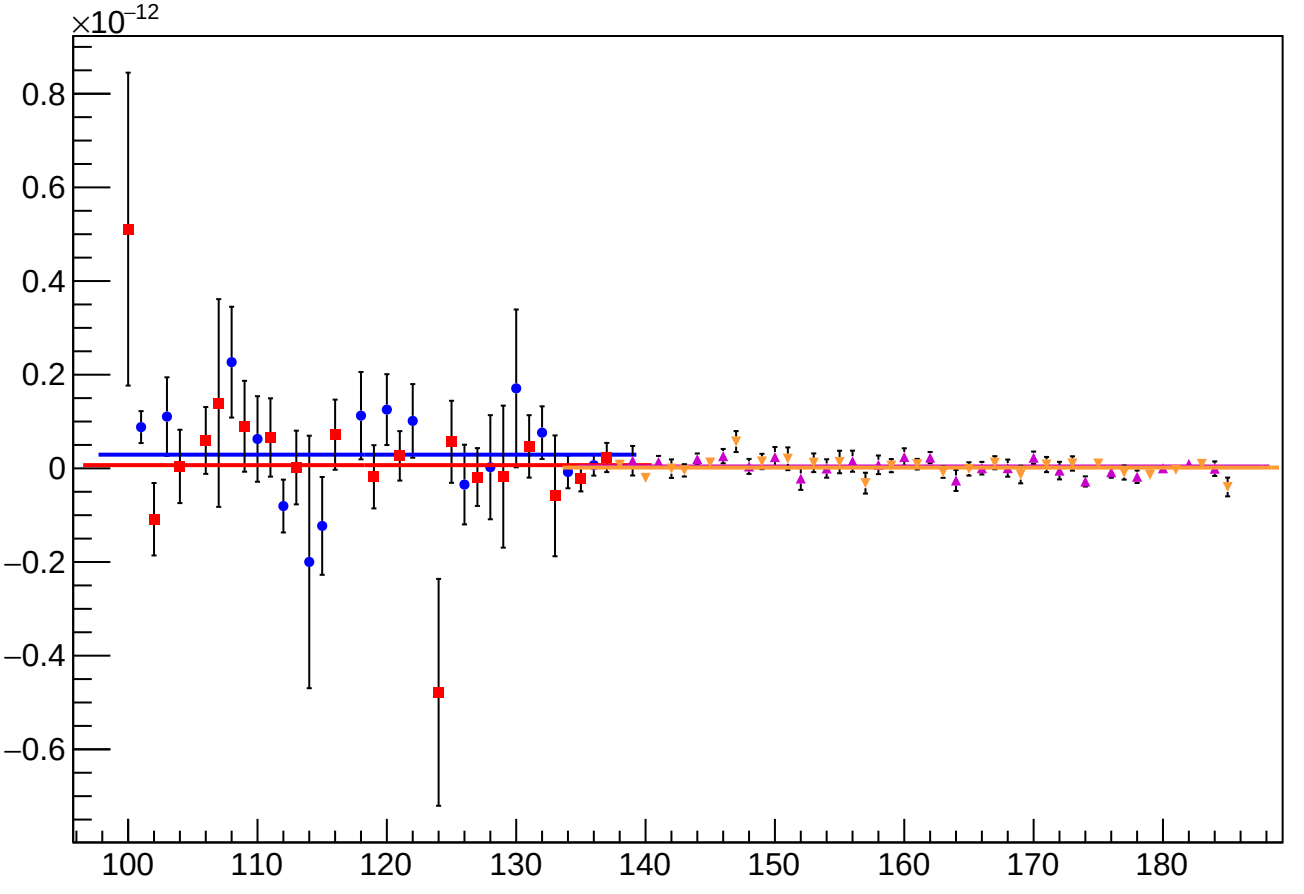
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.300+/-0.006 χ^2/NDF: 3564450.5/40

All: 41.368+/-0.004 χ^2/NDF: 6420325.6/82

- 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:28.0/24

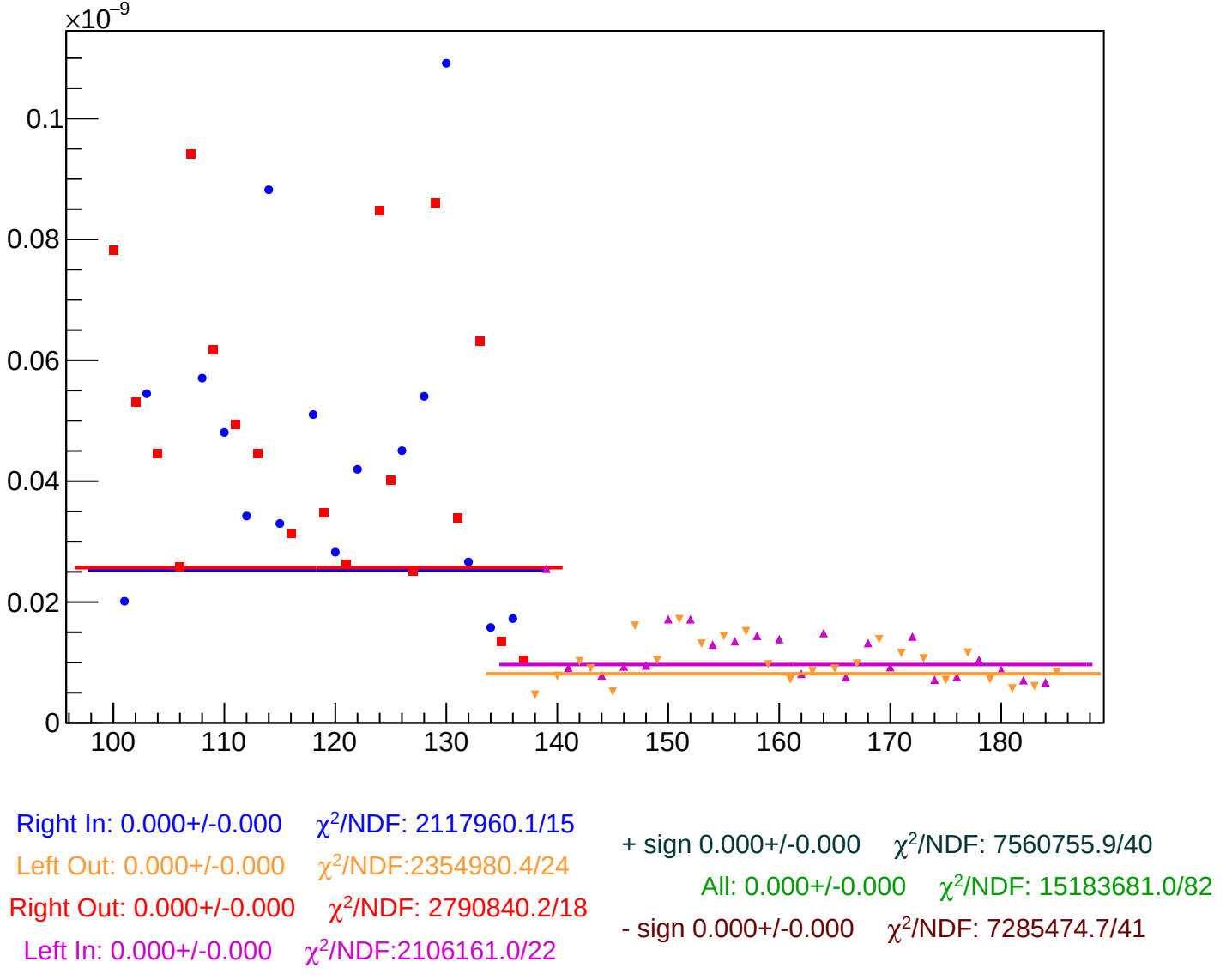
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

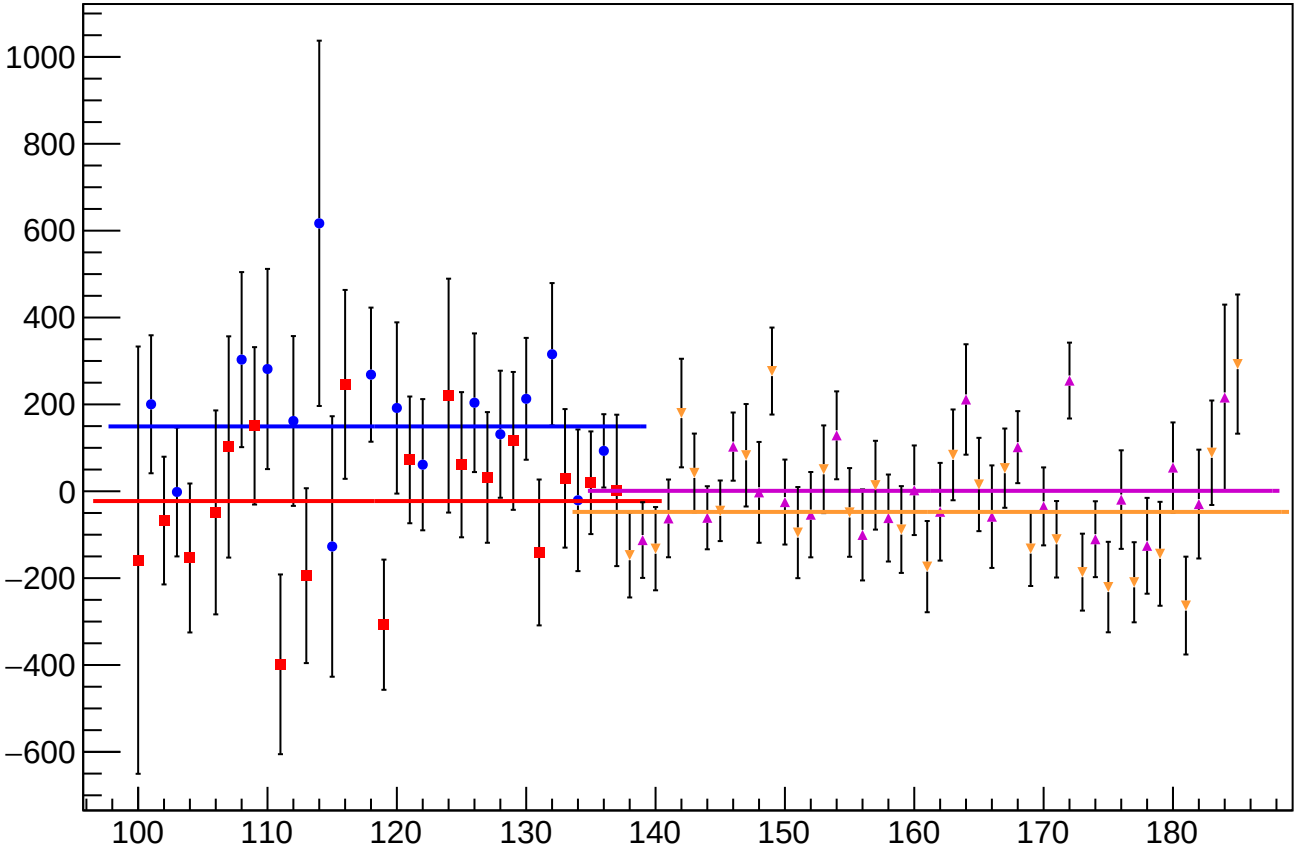
+ sign 0.000+/-0.000 χ^2/NDF: 52.9/40

All: 0.000+/-0.000 χ^2/NDF: 94.8/82

- sign 0.000+/-0.000 χ^2/NDF: 41.8/41


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2117960.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2354980.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2790840.2/18
Left In: 0.000+/-0.000 χ²/NDF:2106161.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7560755.9/40
All: 0.000+/-0.000 χ²/NDF: 15183681.0/82
- sign 0.000+/-0.000 χ²/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: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

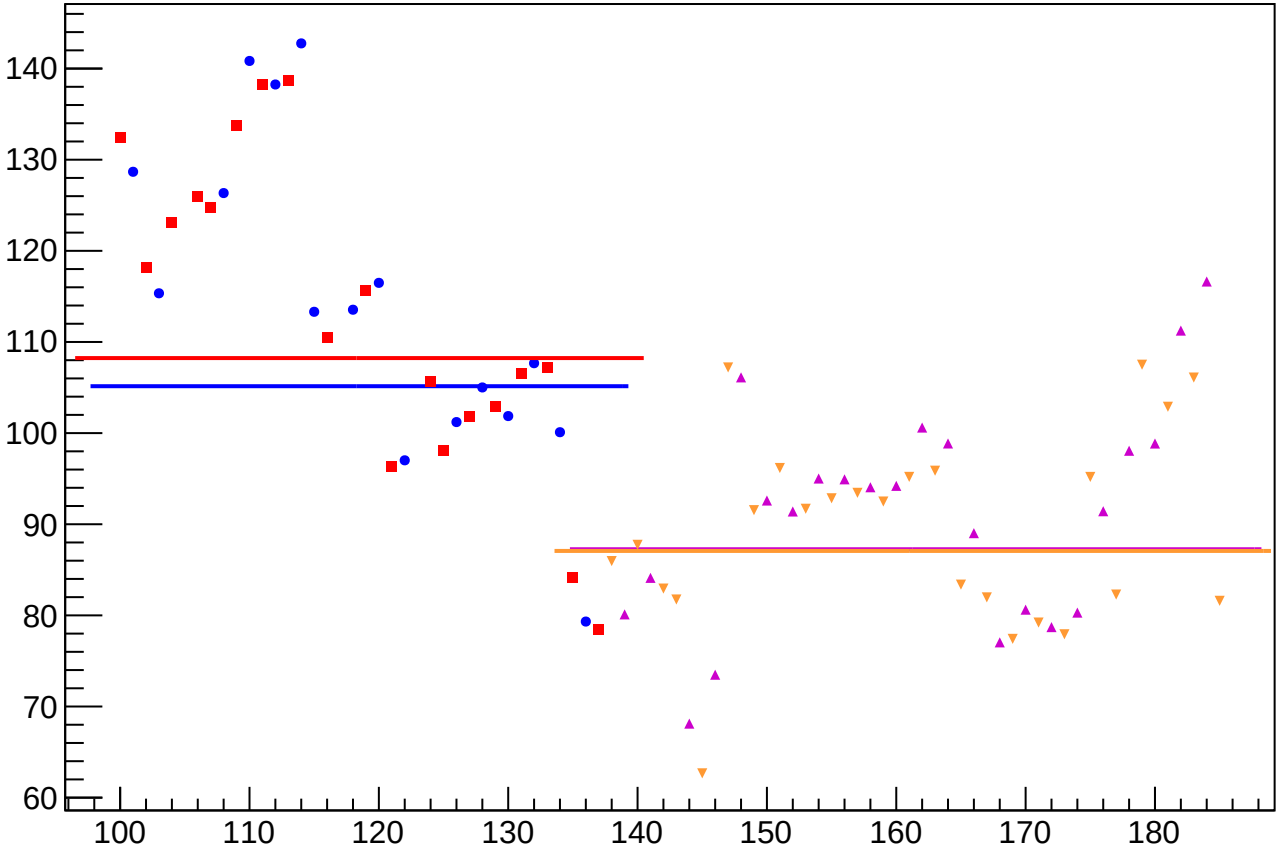
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

\+ sign -7.715+/-17.848 χ^2/NDF: 71.6/40

All: -5.872+/-12.786 χ^2/NDF: 111.6/82

\- 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: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

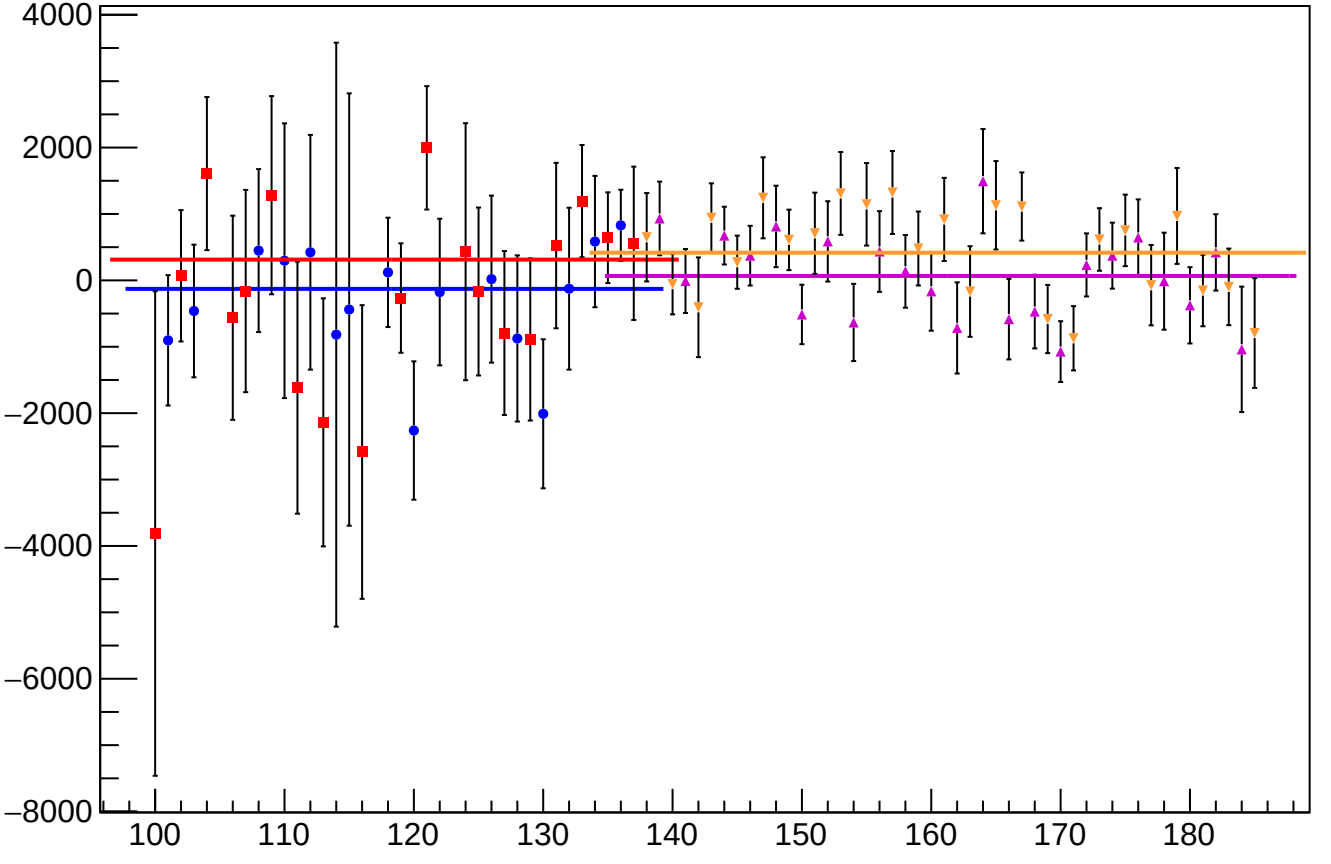
Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.727+/-0.013 χ^2/NDF: 1359959.5/40

All: 91.170+/-0.009 χ^2/NDF: 2741175.8/82

- sign 91.638+/-0.013 χ^2/NDF: 1378683.9/41

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

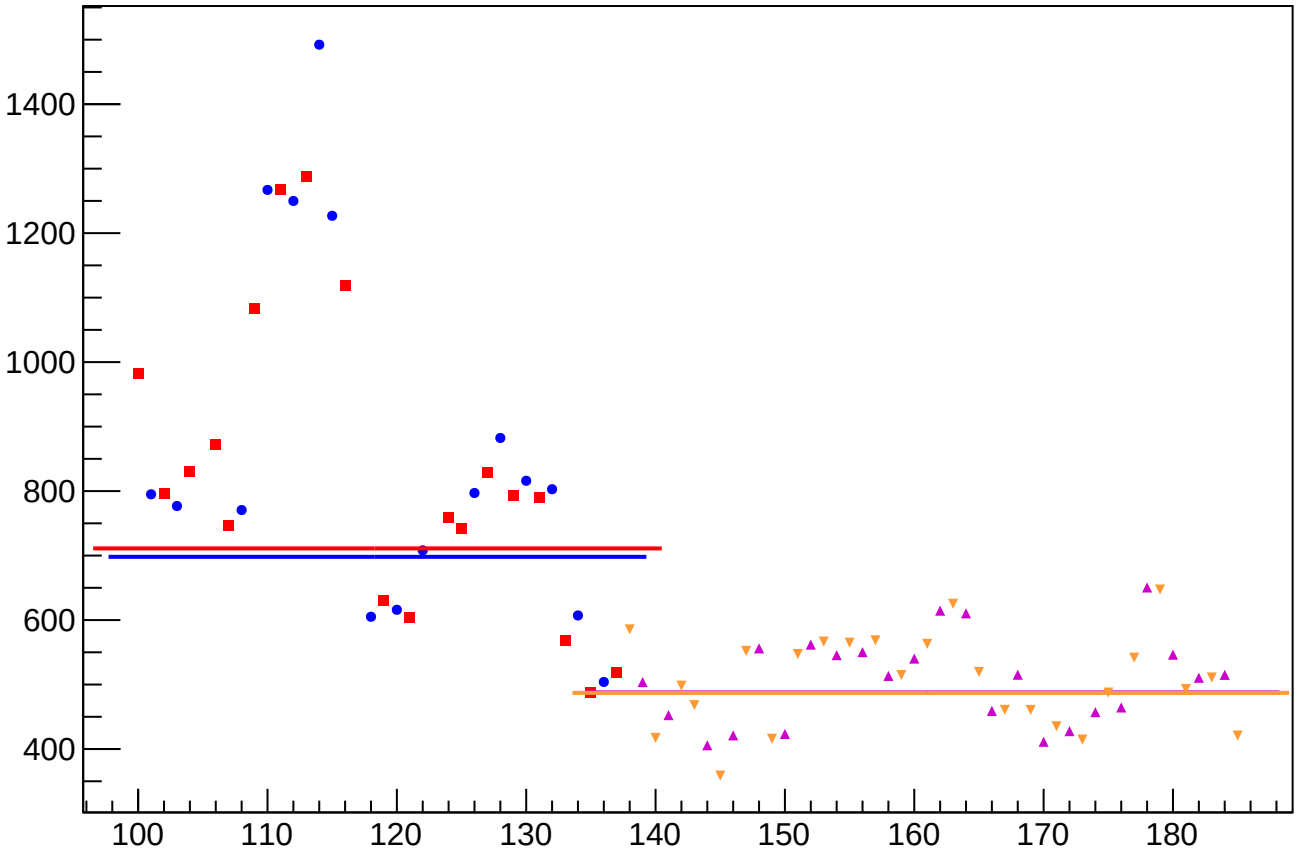
Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 335.371+/-103.638 χ^2/NDF: 48.2/40

All: 222.786+/-74.151 χ^2/NDF: 93.9/82

- sign 104.707+/-106.137 χ^2/NDF: 43.2/41



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

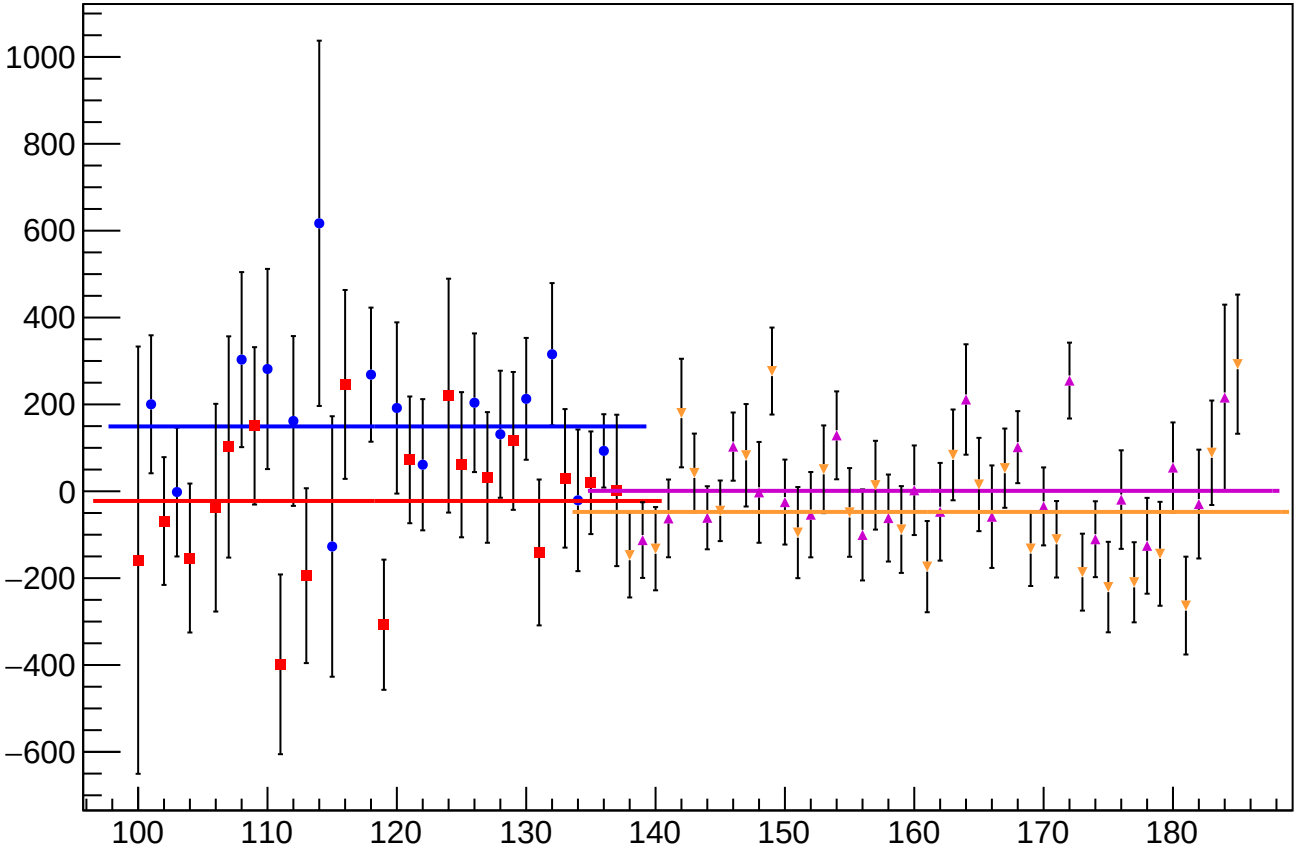
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 518.487+/-0.073 χ^2/NDF: 2784236.3/40

All: 520.387+/-0.052 χ^2/NDF: 5609202.0/82

- 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: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

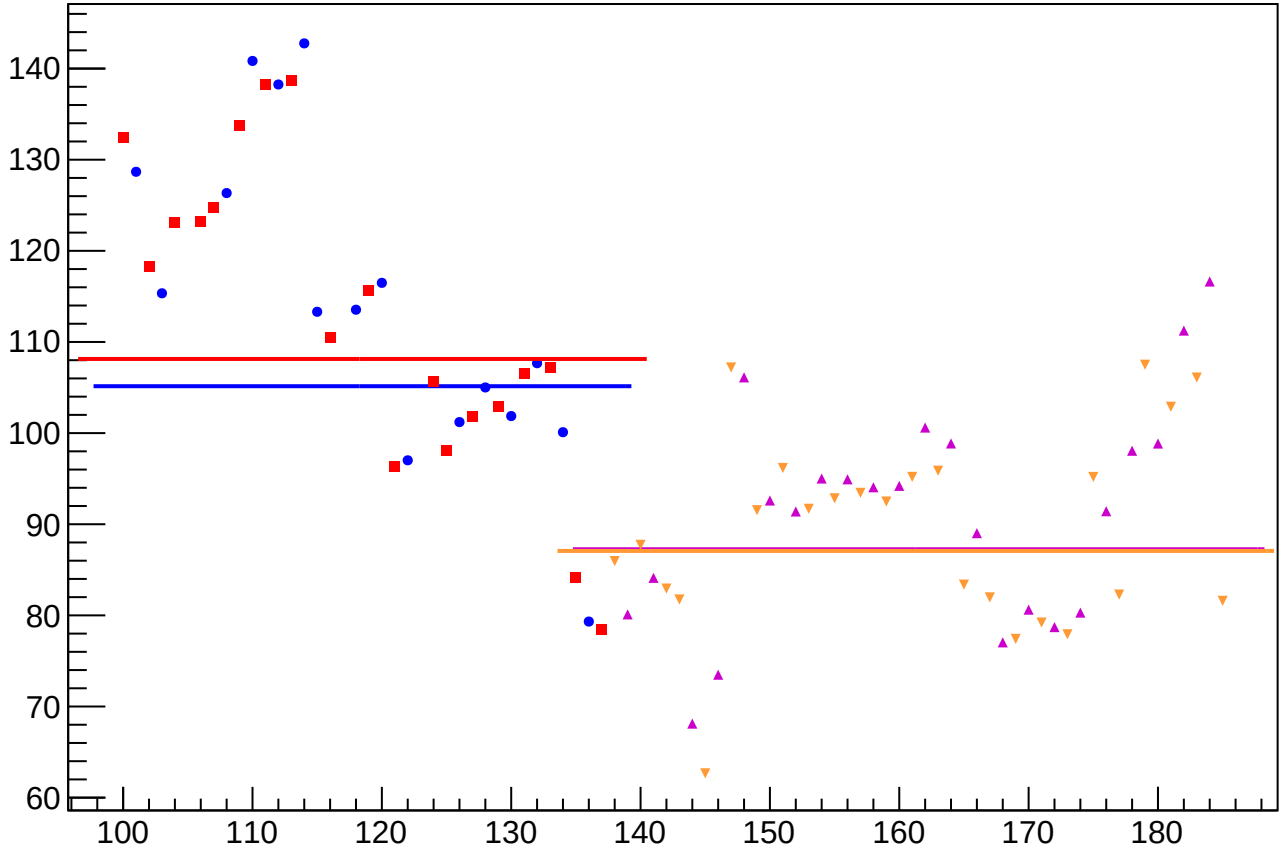
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.724+/-17.848 χ^2/NDF: 71.6/40

All: -5.848+/-12.787 χ^2/NDF: 111.6/82

- 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: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

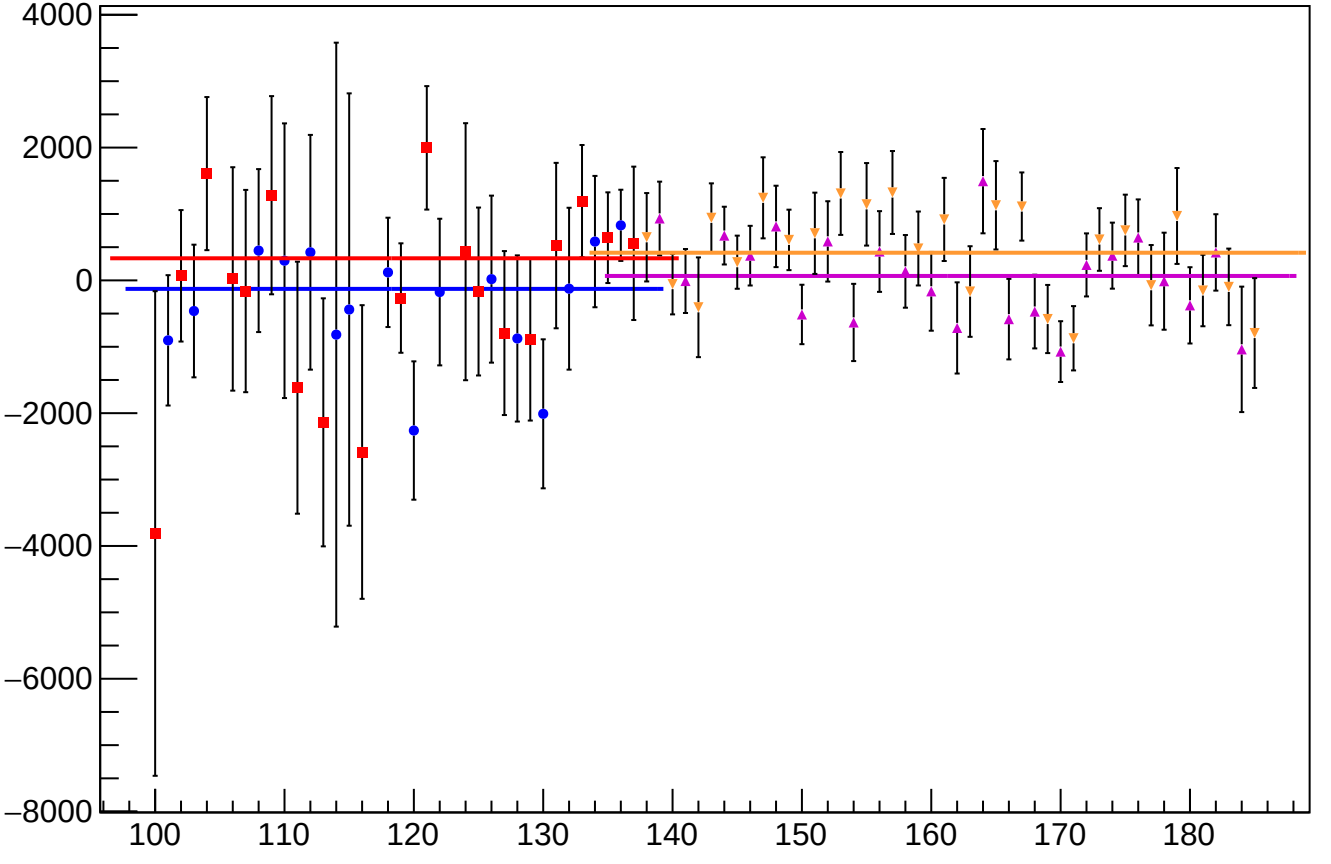
Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

\+ sign 90.727+/-0.013 χ^2/NDF: 1359959.8/40

All: 91.159+/-0.009 χ^2/NDF: 2733086.8/82

\- sign 91.614+/-0.013 χ^2/NDF: 1370726.2/41

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

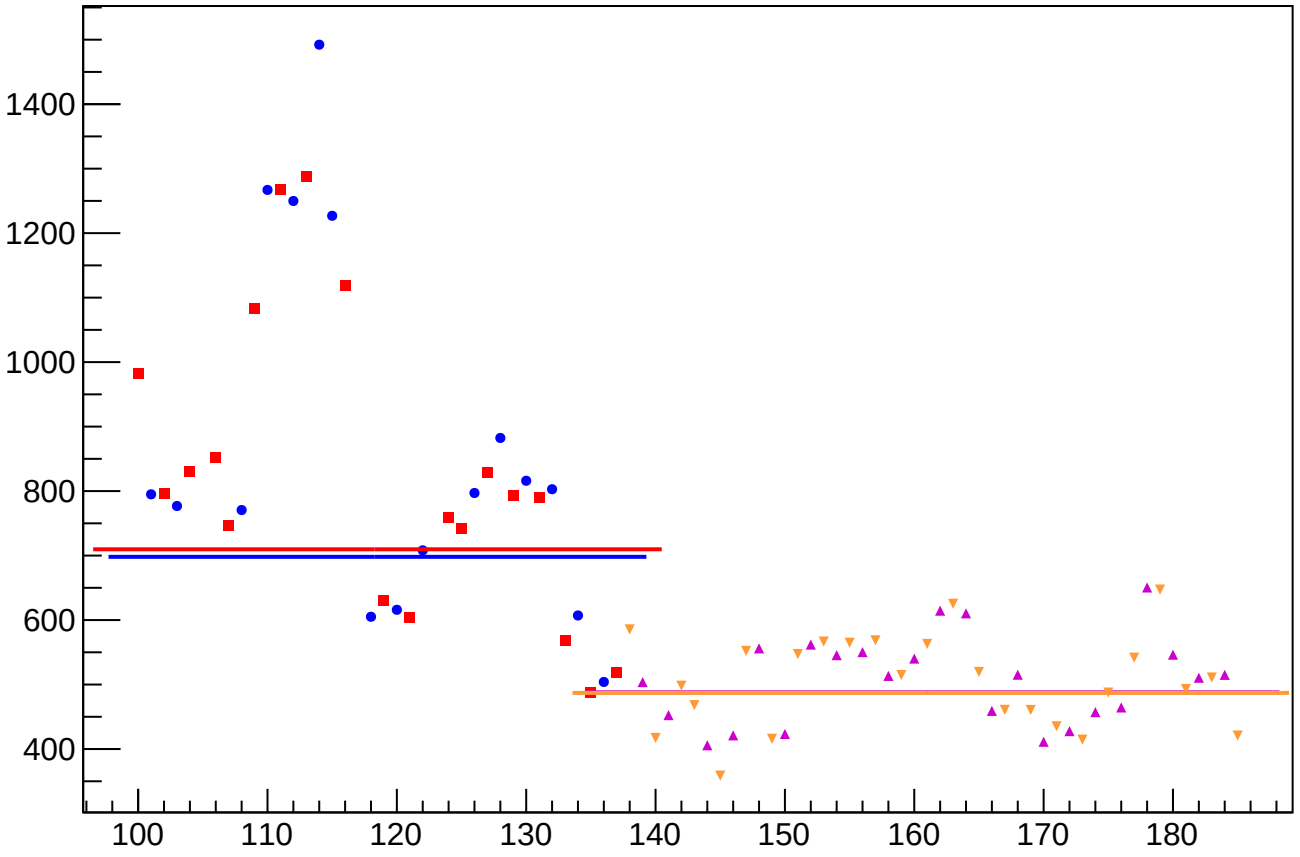
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 335.366+/-103.638 χ^2/NDF: 48.2/40

All: 224.220+/-74.165 χ^2/NDF: 93.6/82

- 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: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

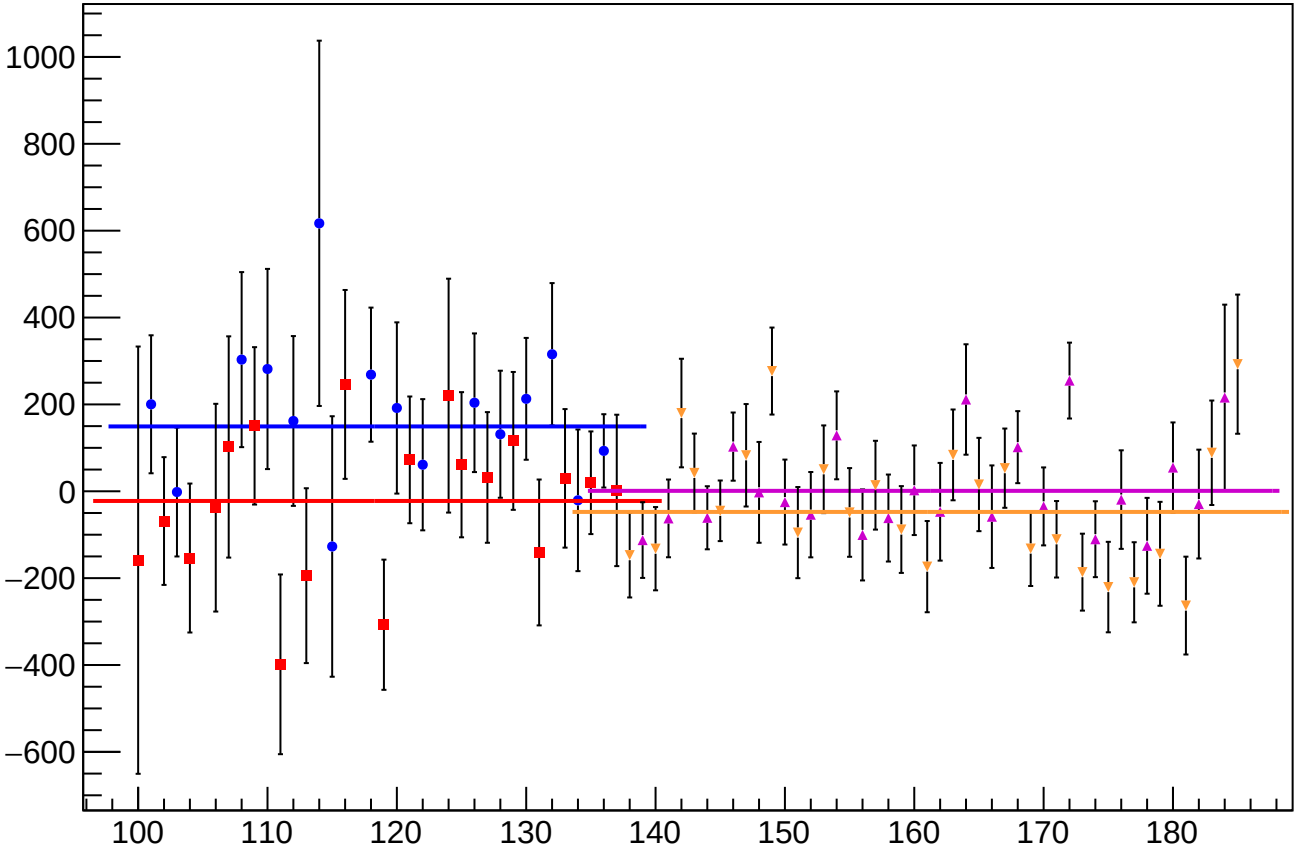
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 518.487+/-0.073 χ^2/NDF: 2784243.5/40

All: 520.212+/-0.052 χ^2/NDF: 5582140.4/82

- 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: -47.532+/-19.983 χ^2/NDF:44.0/24

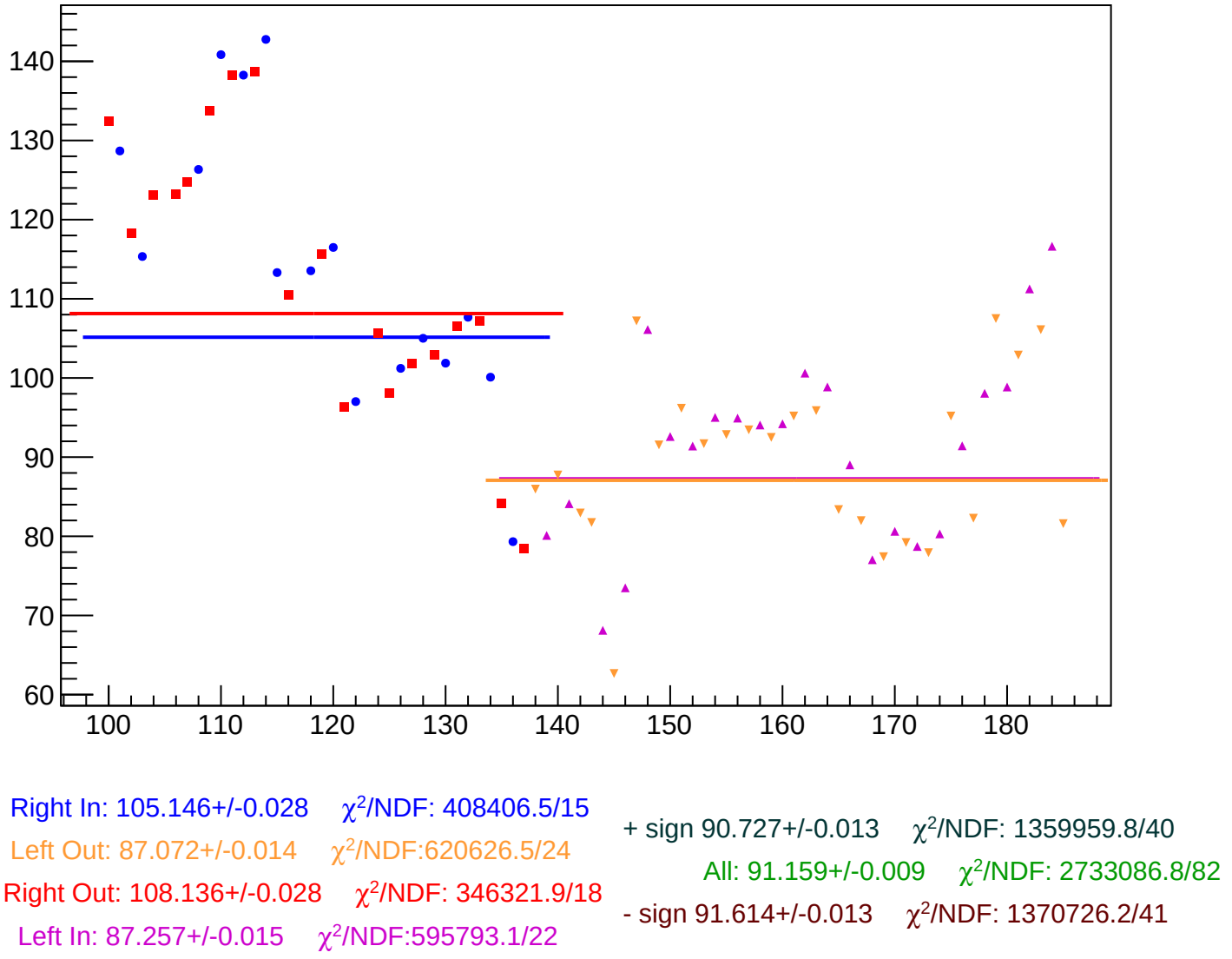
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

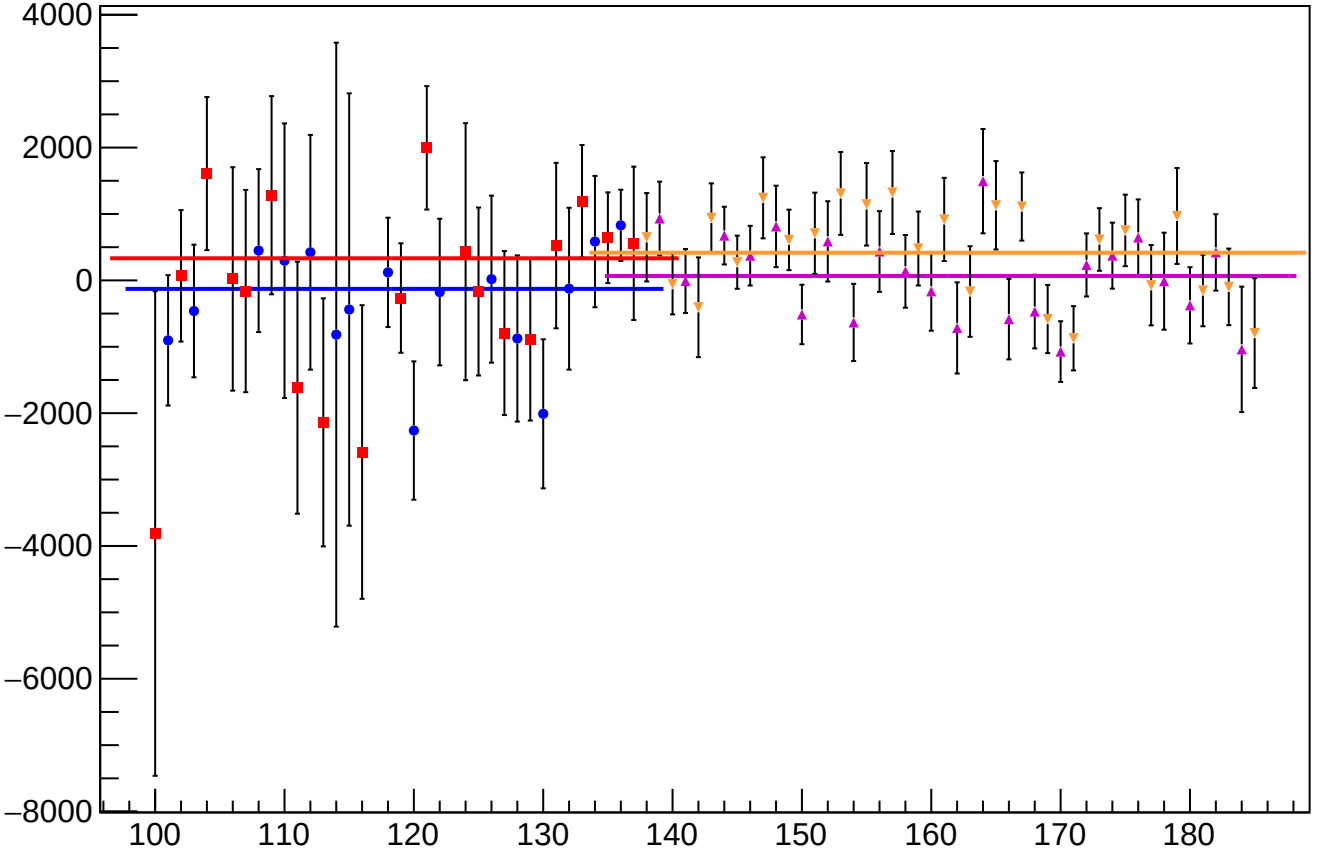
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.724+/-17.848 χ^2/NDF: 71.6/40

All: -5.848+/-12.787 χ^2/NDF: 111.6/82

- sign -3.871+/-18.328 χ^2/NDF: 39.9/41


eigen_cor_asym_sam_26_48_dd_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
Right In: 105.146+/-0.028 χ²/NDF: 408406.5/15
Left Out: 87.072+/-0.014 χ²/NDF:620626.5/24
Right Out: 108.136+/-0.028 χ²/NDF: 346321.9/18
Left In: 87.257+/-0.015 χ²/NDF:595793.1/22
+ sign 90.727+/-0.013 χ²/NDF: 1359959.8/40
All: 91.159+/-0.009 χ²/NDF: 2733086.8/82
- sign 91.614+/-0.013 χ²/NDF: 1370726.2/41



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

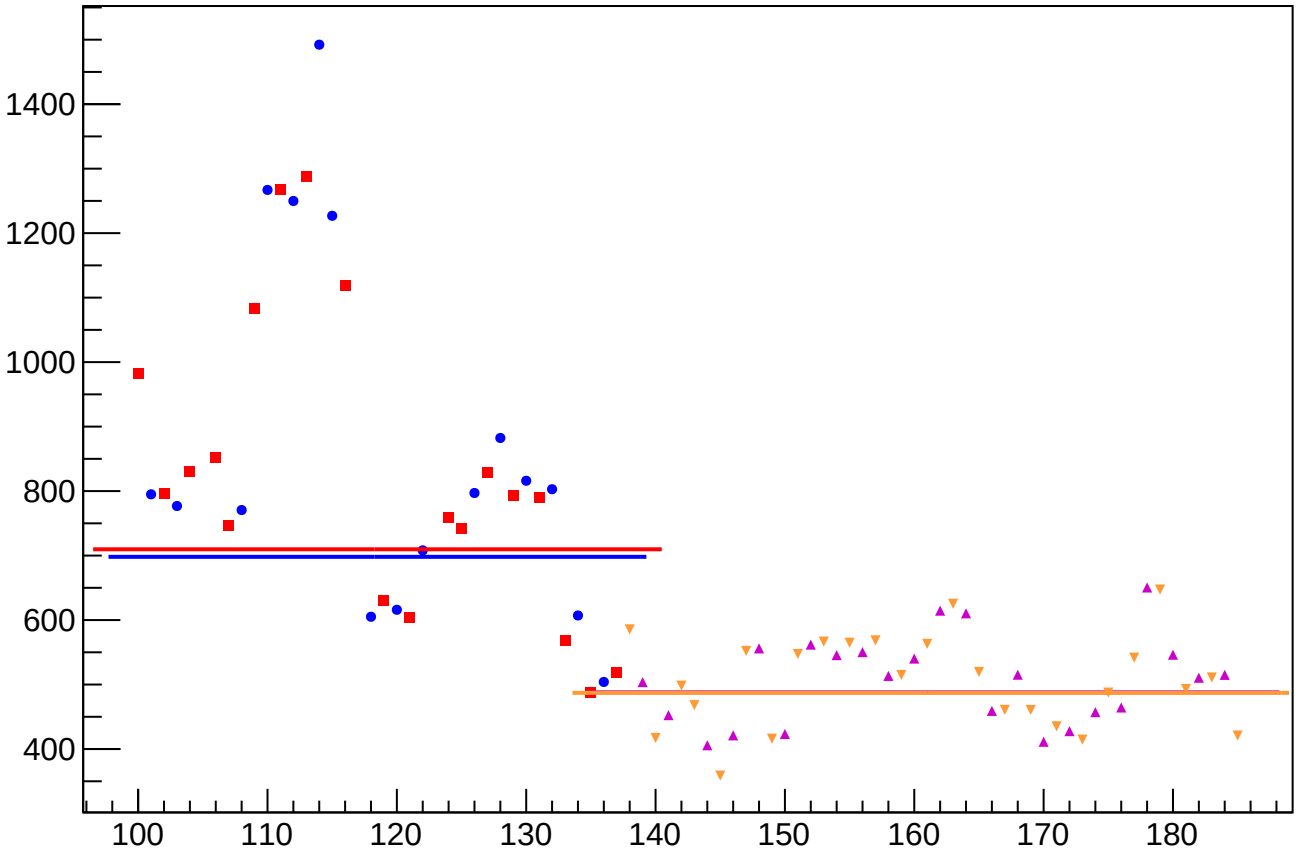
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 335.366+/-103.638 χ^2/NDF: 48.2/40

All: 224.220+/-74.165 χ^2/NDF: 93.6/82

- 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: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

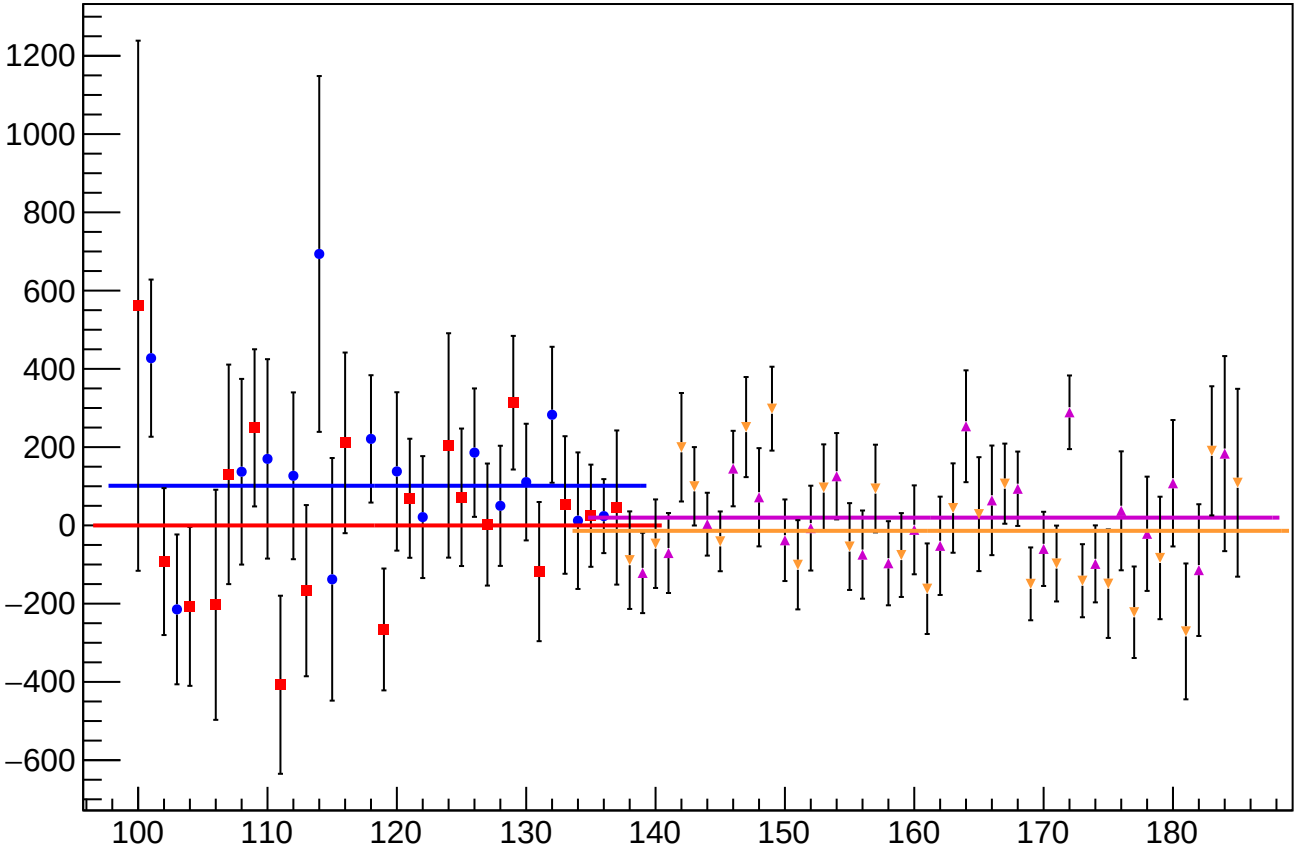
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 518.487+/-0.073 χ^2/NDF: 2784243.5/40

All: 520.212+/-0.052 χ^2/NDF: 5582140.4/82

- 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: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

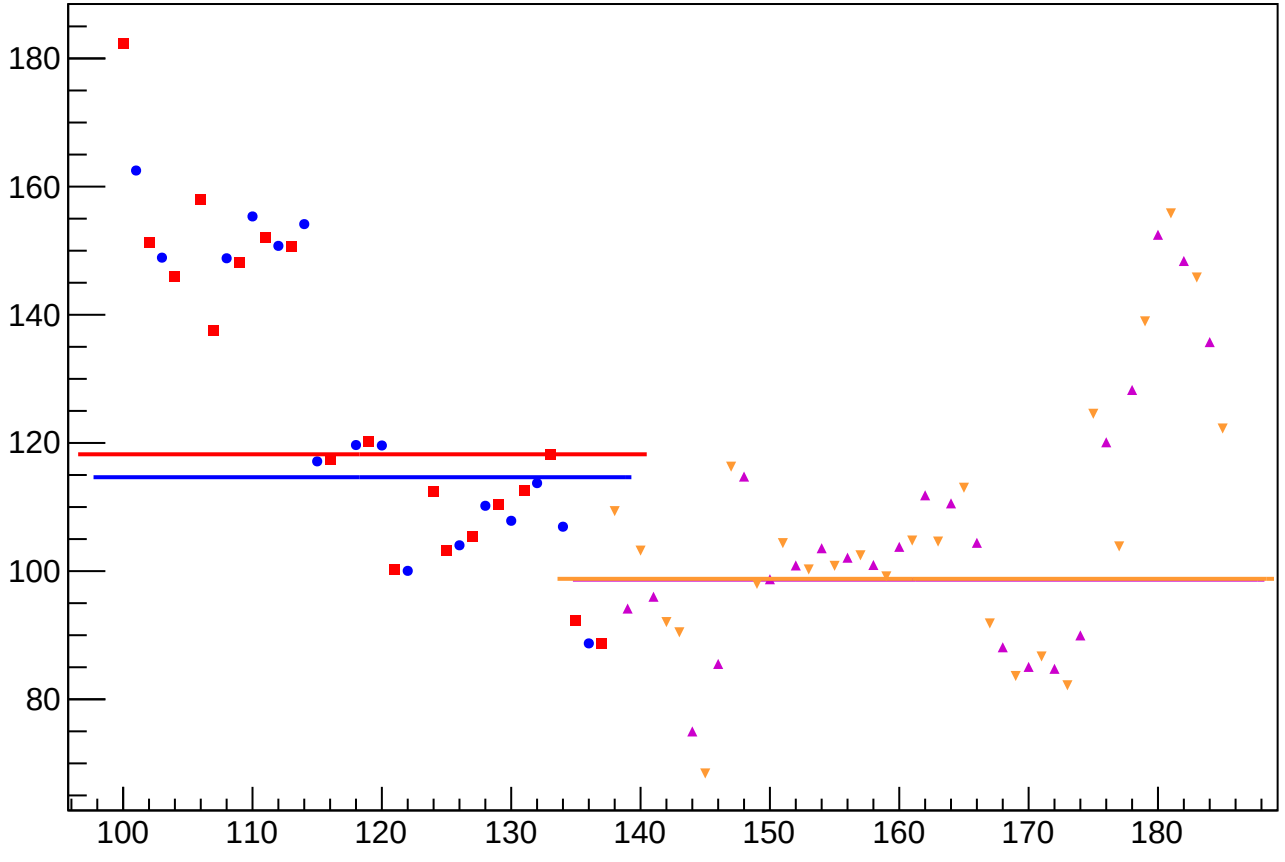
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 11.110+/-20.276 χ^2/NDF: 52.9/40

All: 13.186+/-14.513 χ^2/NDF: 93.0/82

- 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: 98.799+/-0.016 χ^2/NDF:1185806.0/24

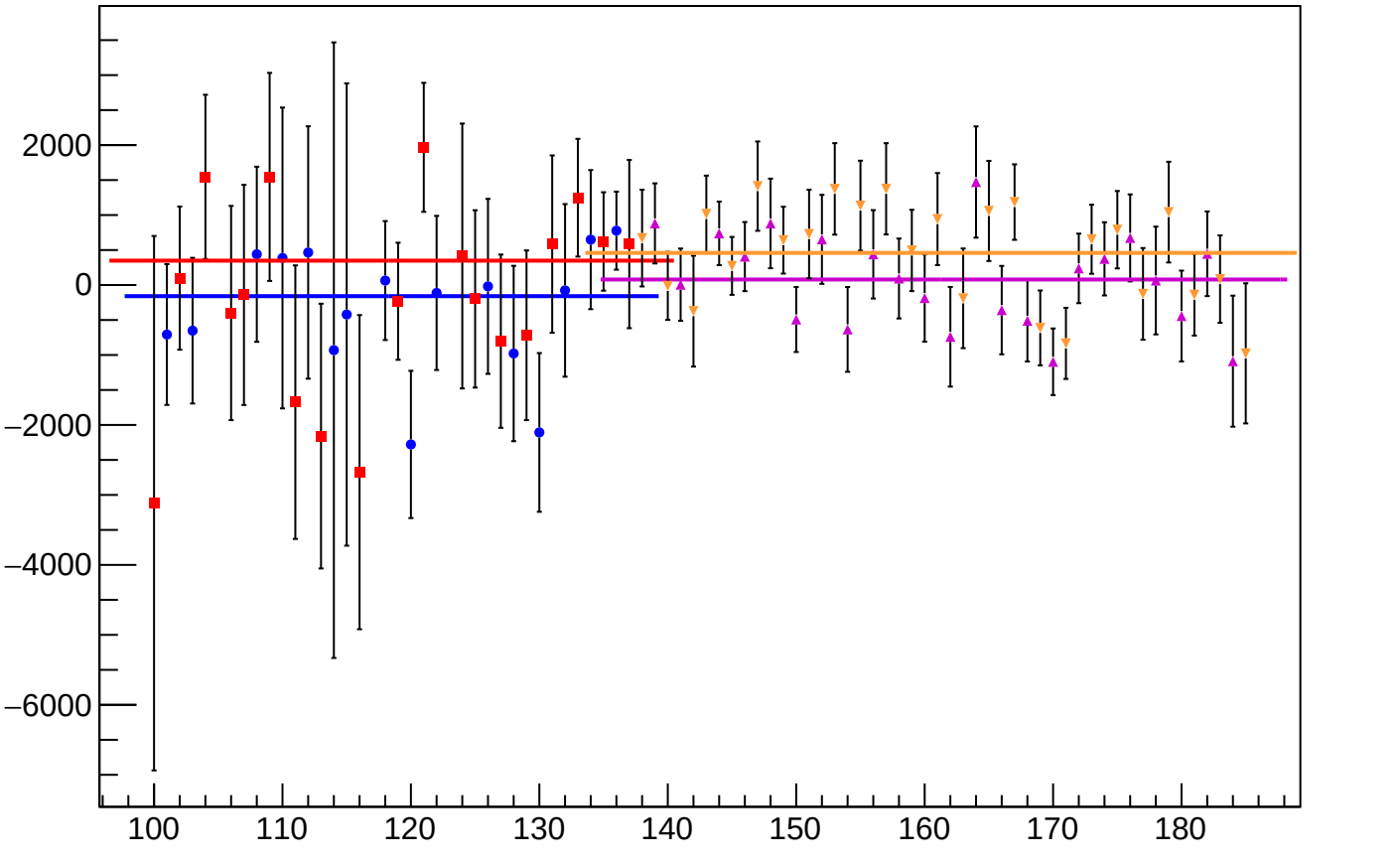
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.242+/-0.014 χ^2/NDF: 1925709.8/40

All: 102.626+/-0.010 χ^2/NDF: 3705058.1/82

- 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: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

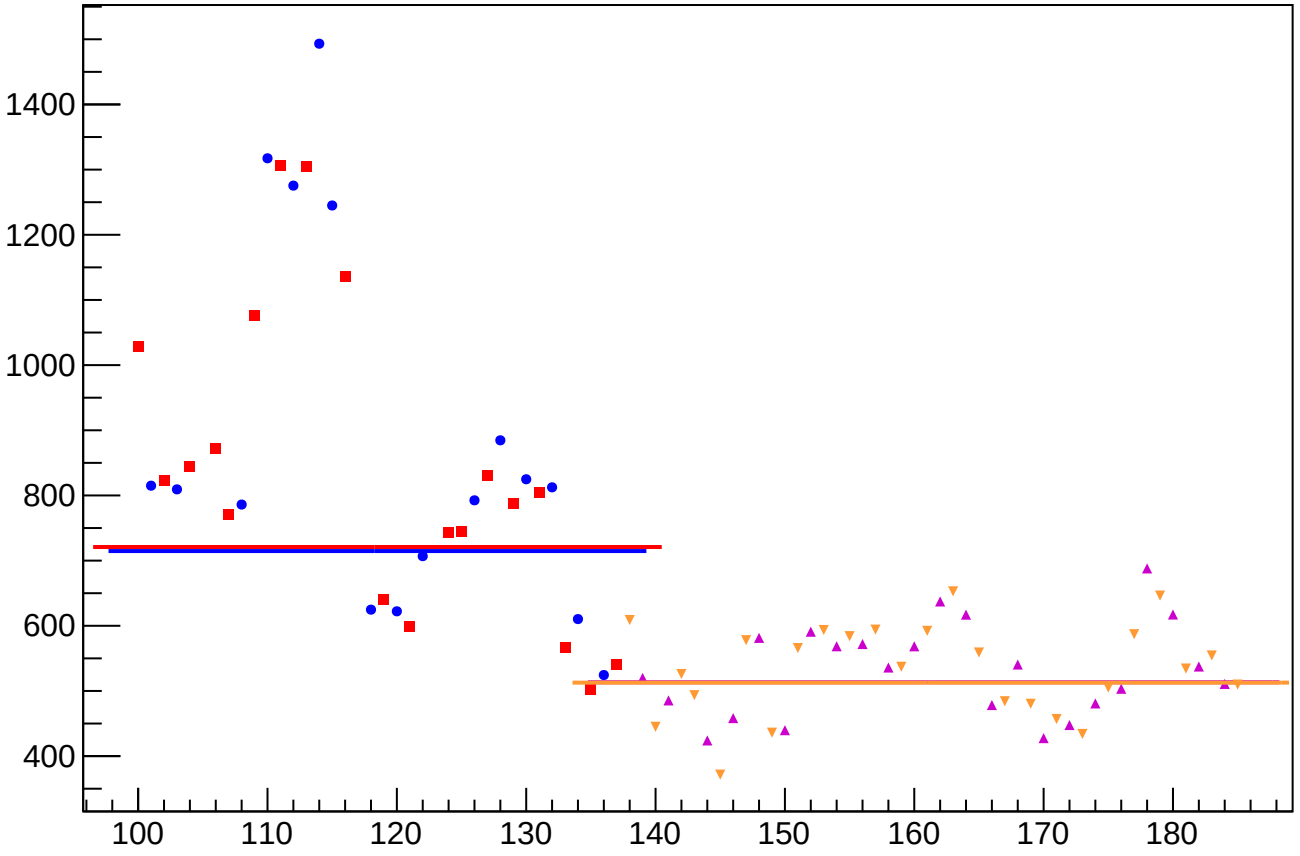
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 362.554+/-108.498 χ^2/NDF: 47.0/40

All: 245.592+/-77.587 χ^2/NDF: 90.8/82

- 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: 512.768+/-0.084 χ^2/NDF:799239.4/24

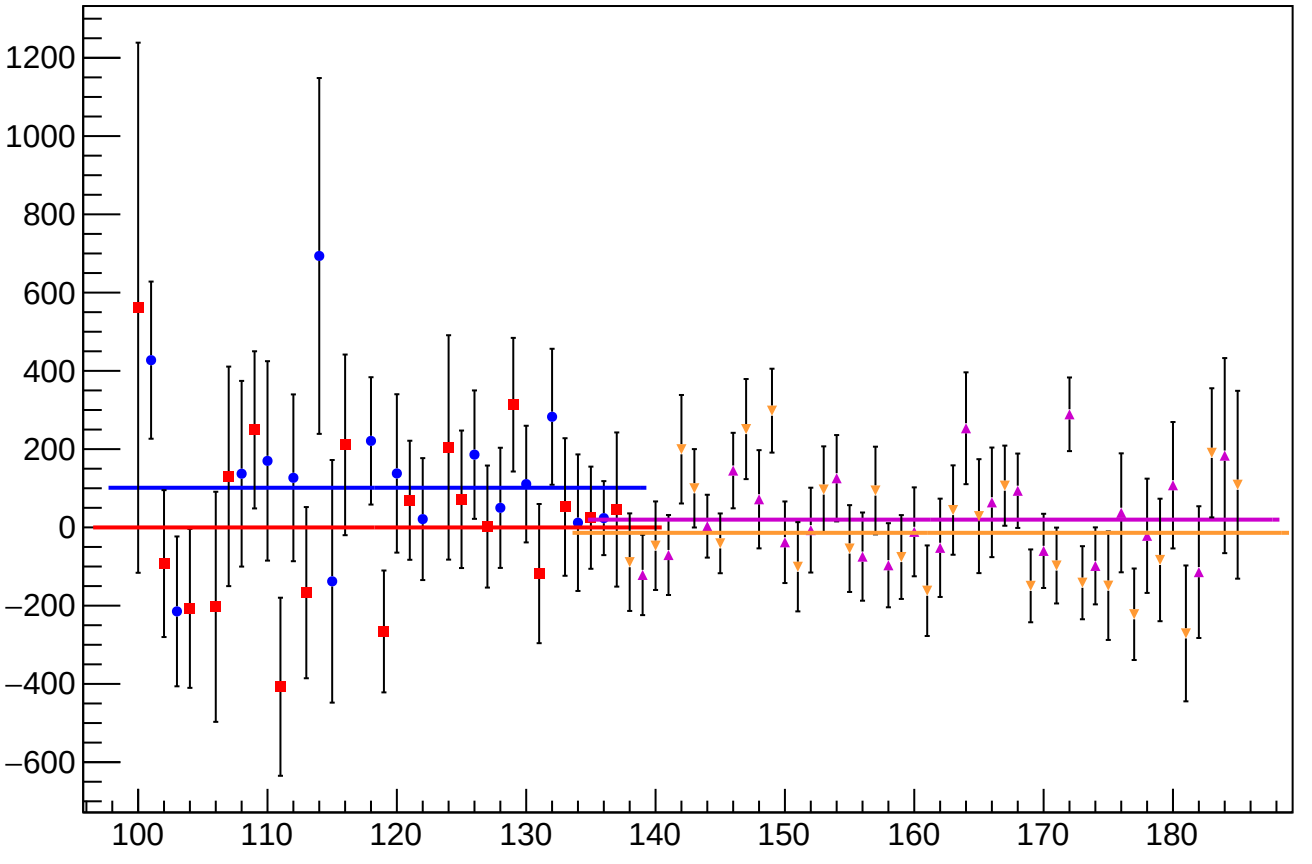
Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

\+ sign 544.297+/-0.077 χ^2/NDF: 2588066.9/40

All: 545.875+/-0.055 χ^2/NDF: 5202526.3/82

\- sign 547.527+/-0.078 χ^2/NDF: 2613593.2/41



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

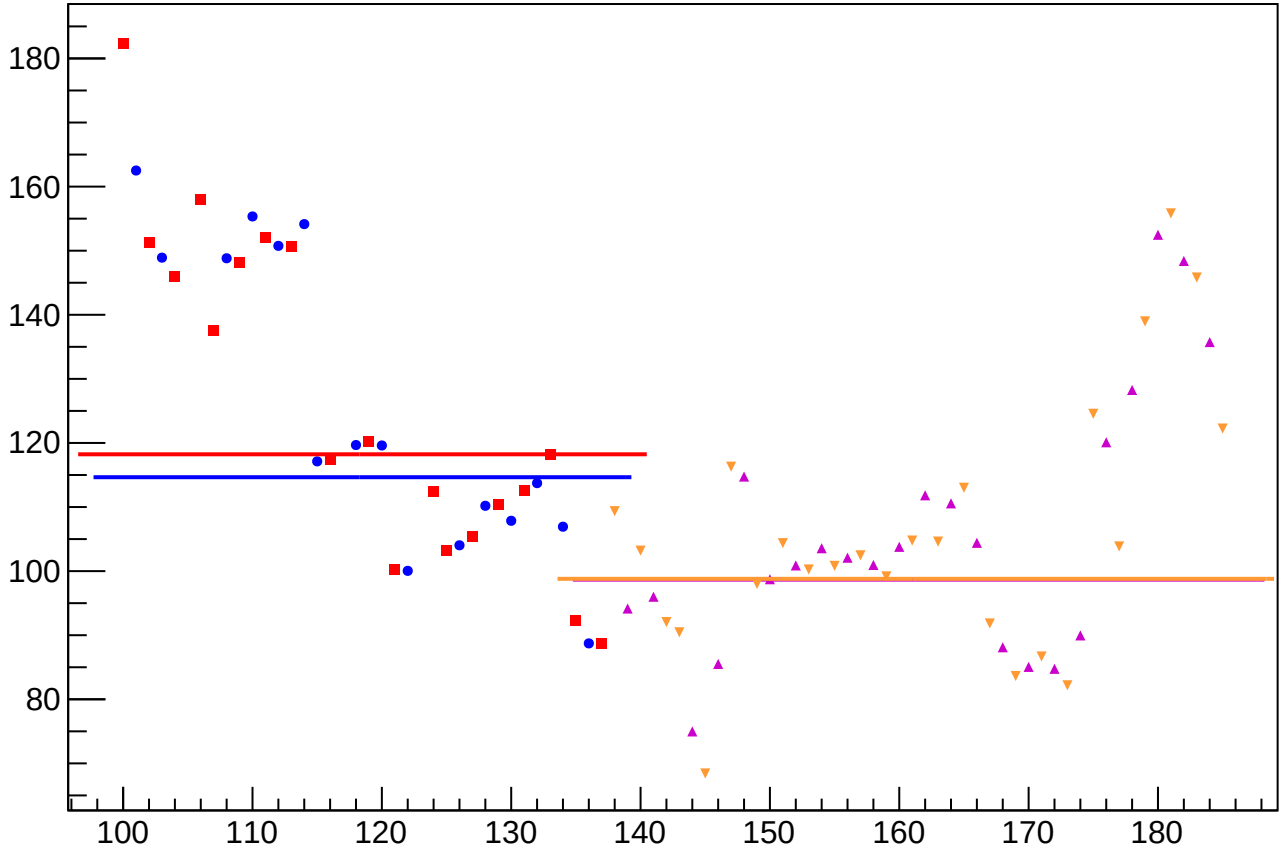
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 11.108+/-20.276 χ^2/NDF: 52.9/40

All: 13.185+/-14.513 χ^2/NDF: 93.0/82

- 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: 98.799+/-0.016 χ^2/NDF:1185809.9/24

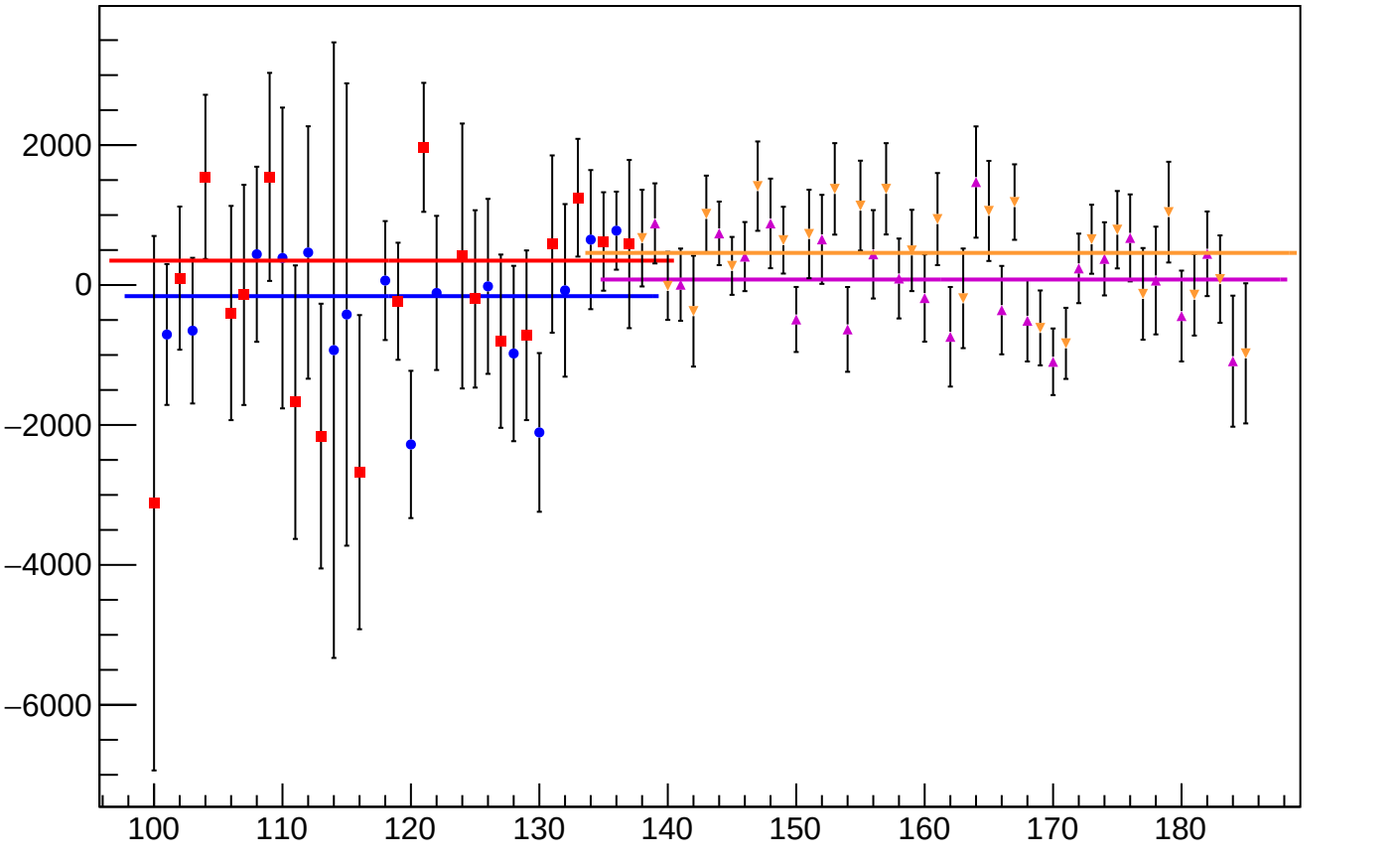
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.242+/-0.014 χ^2/NDF: 1925705.8/40

All: 102.626+/-0.010 χ^2/NDF: 3705039.1/82

- 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: 459.092+/-118.111 χ^2/NDF:30.8/24

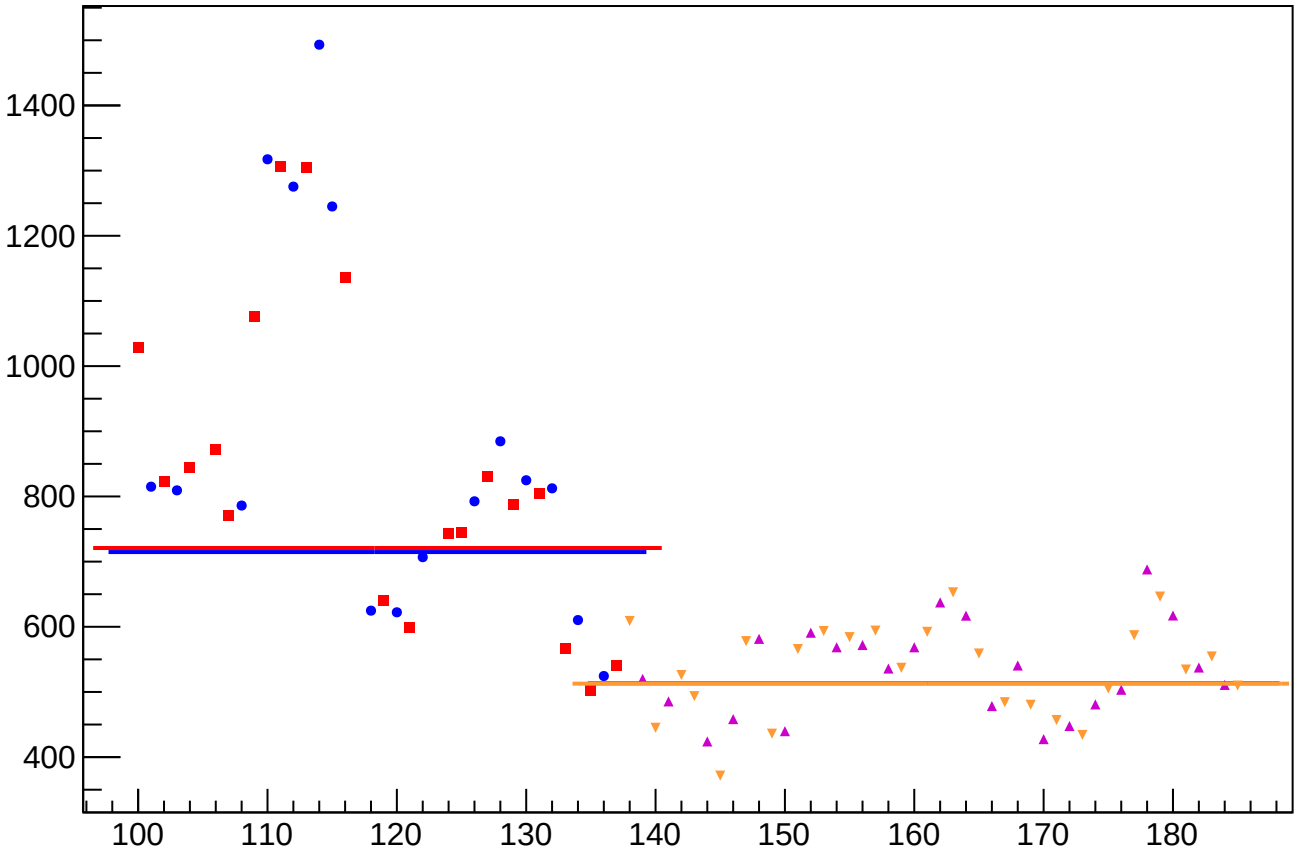
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 362.552+/-108.498 χ^2/NDF: 47.0/40

All: 245.591+/-77.587 χ^2/NDF: 90.8/82

- 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: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

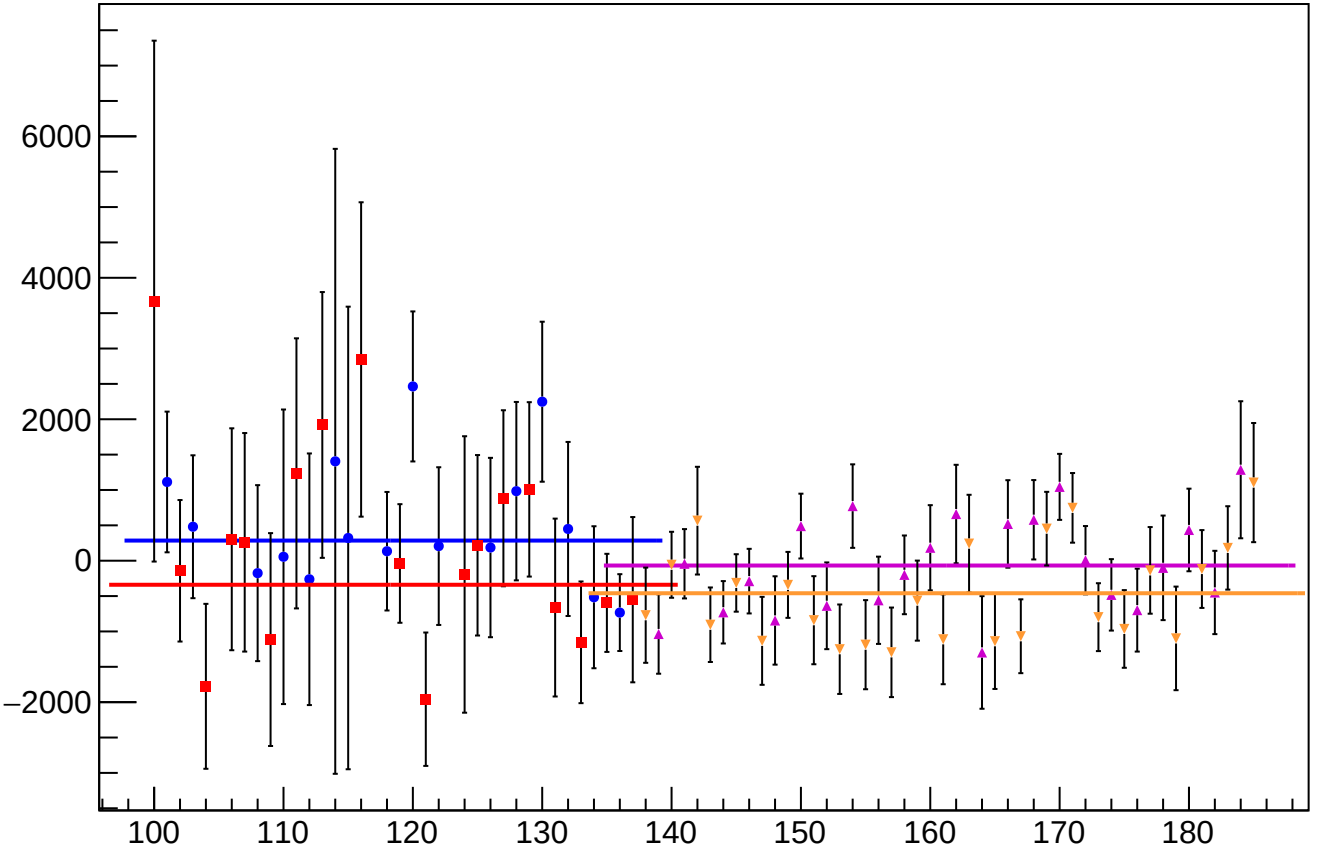
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 544.297+/-0.077 χ^2/NDF: 2588063.7/40

All: 545.875+/-0.055 χ^2/NDF: 5202514.5/82

- 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: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

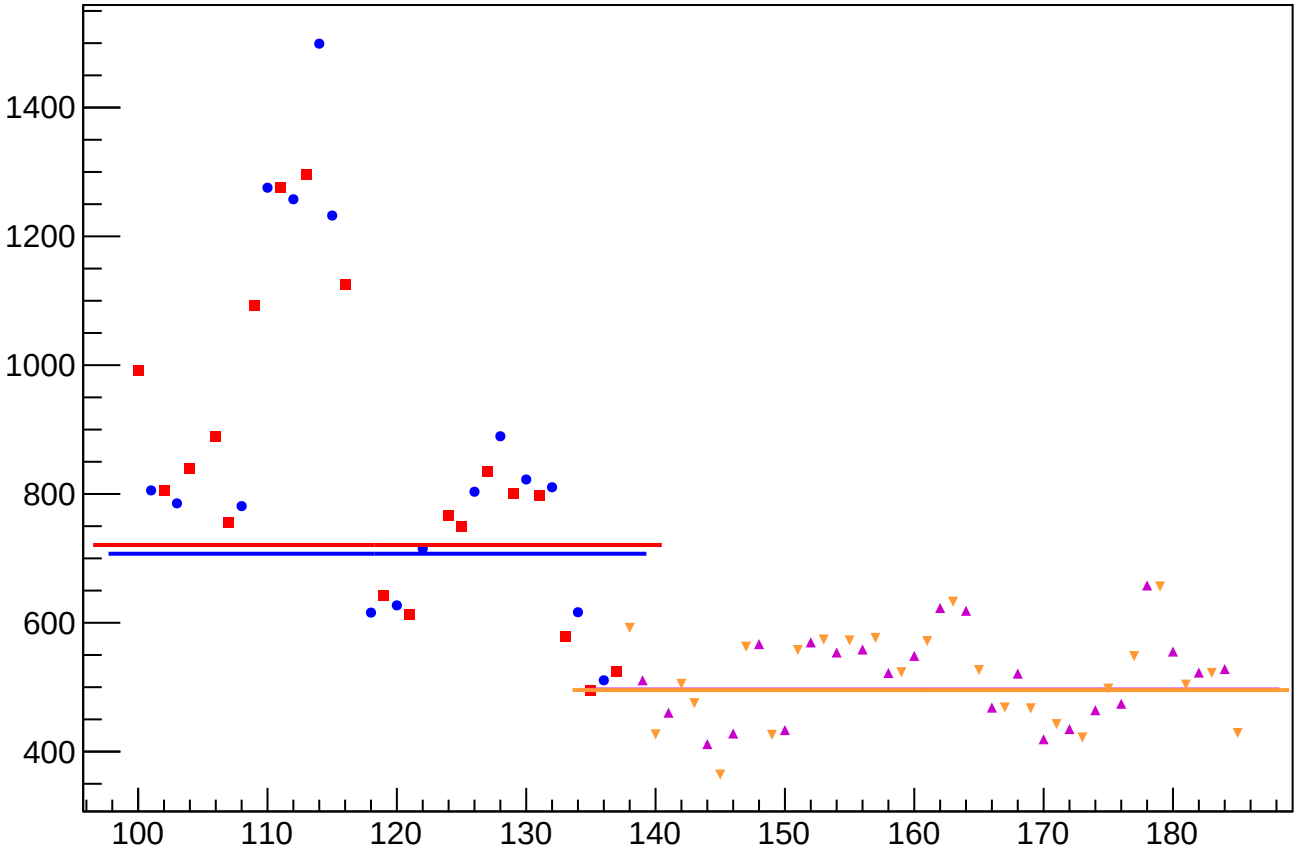
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

\+ sign -348.177+/-105.318 χ^2/NDF: 50.0/40

All: -232.081+/-75.354 χ^2/NDF: 96.0/82

\- 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: 495.514+/-0.081 χ^2/NDF:804659.4/24

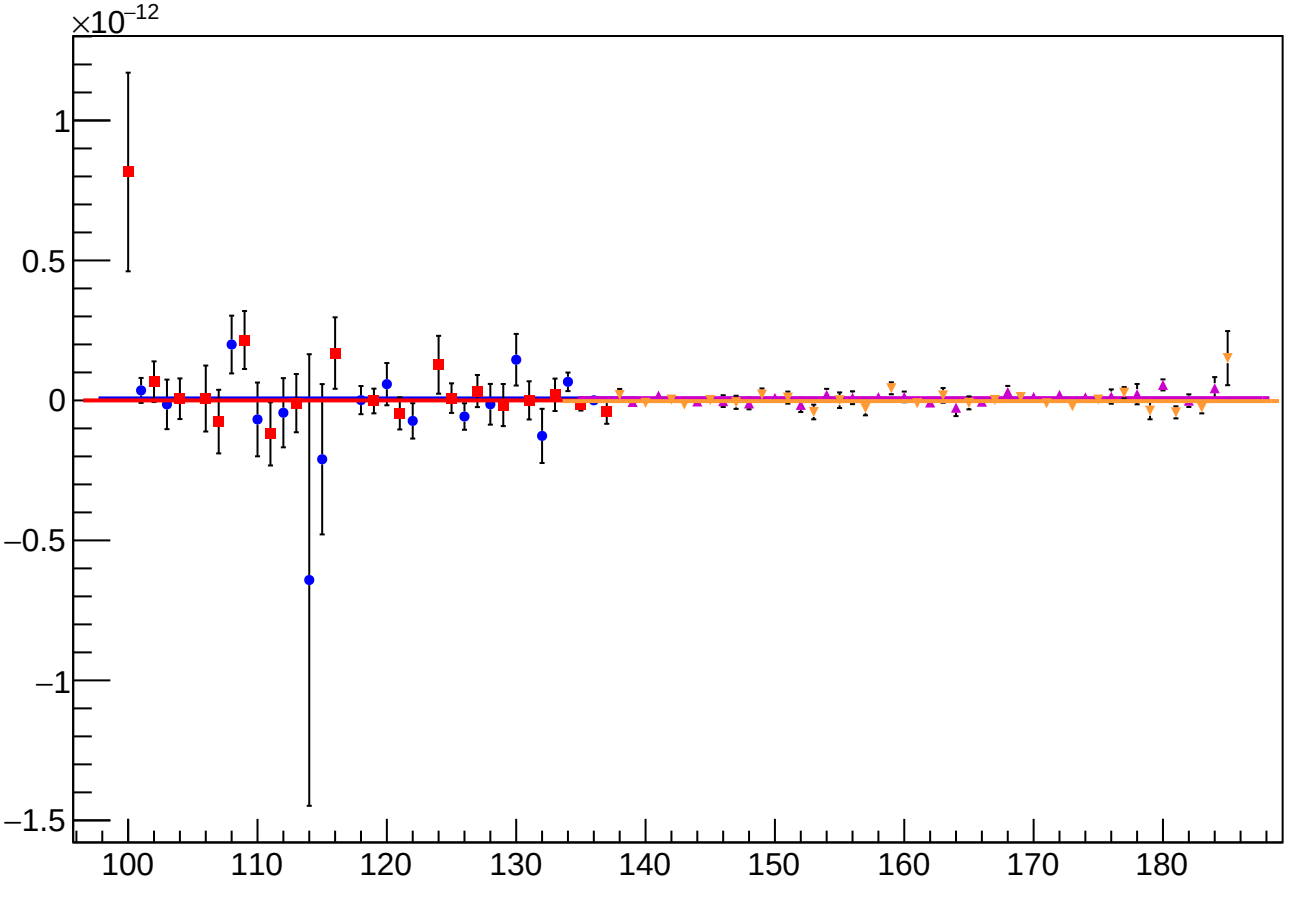
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 527.265+/-0.074 χ^2/NDF: 2731544.6/40

All: 529.182+/-0.053 χ^2/NDF: 5507522.1/82

- 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:25.1/24

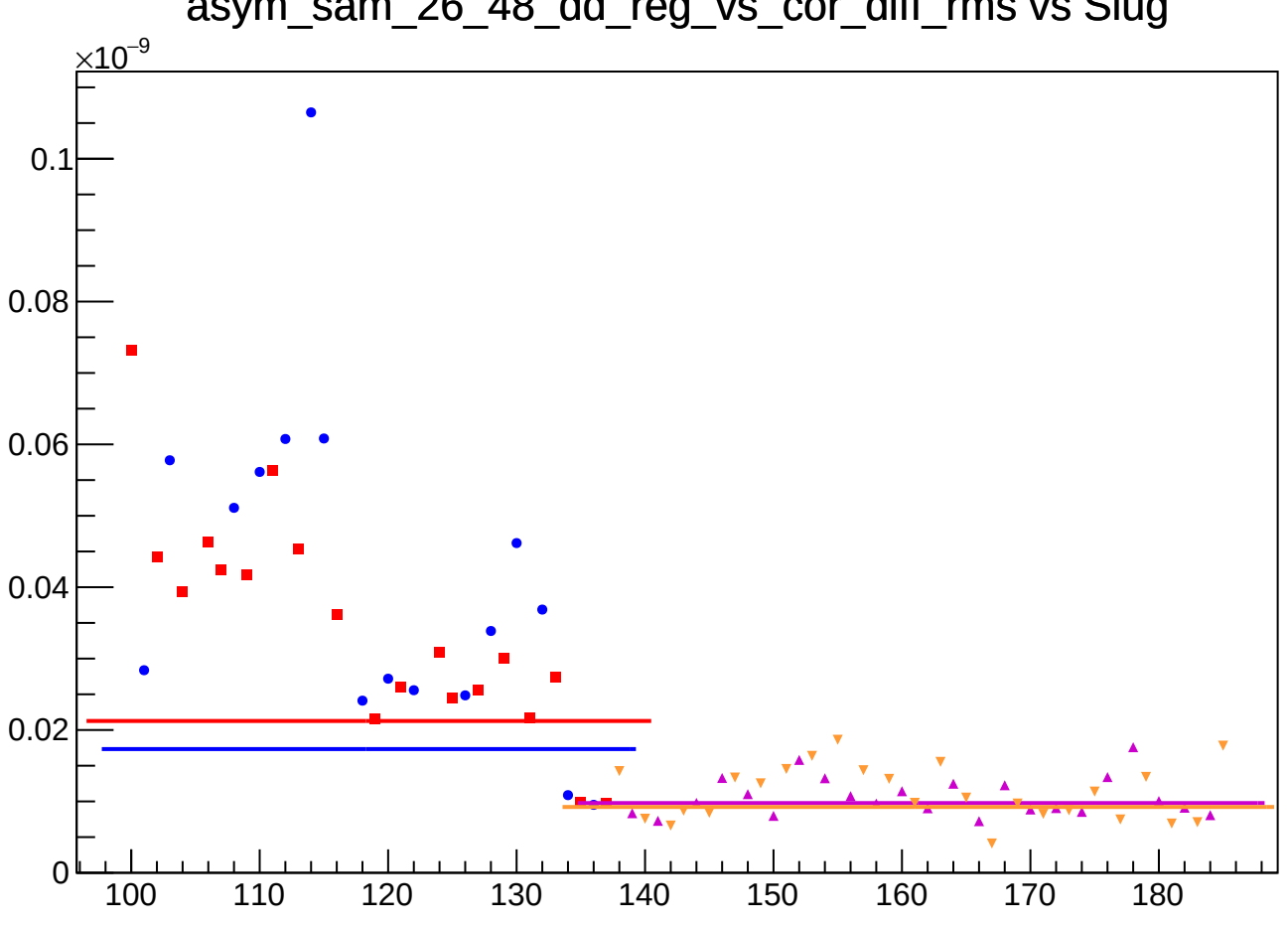
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/40

All: 0.000+/-0.000 χ^2/NDF: 79.9/82

- 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:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

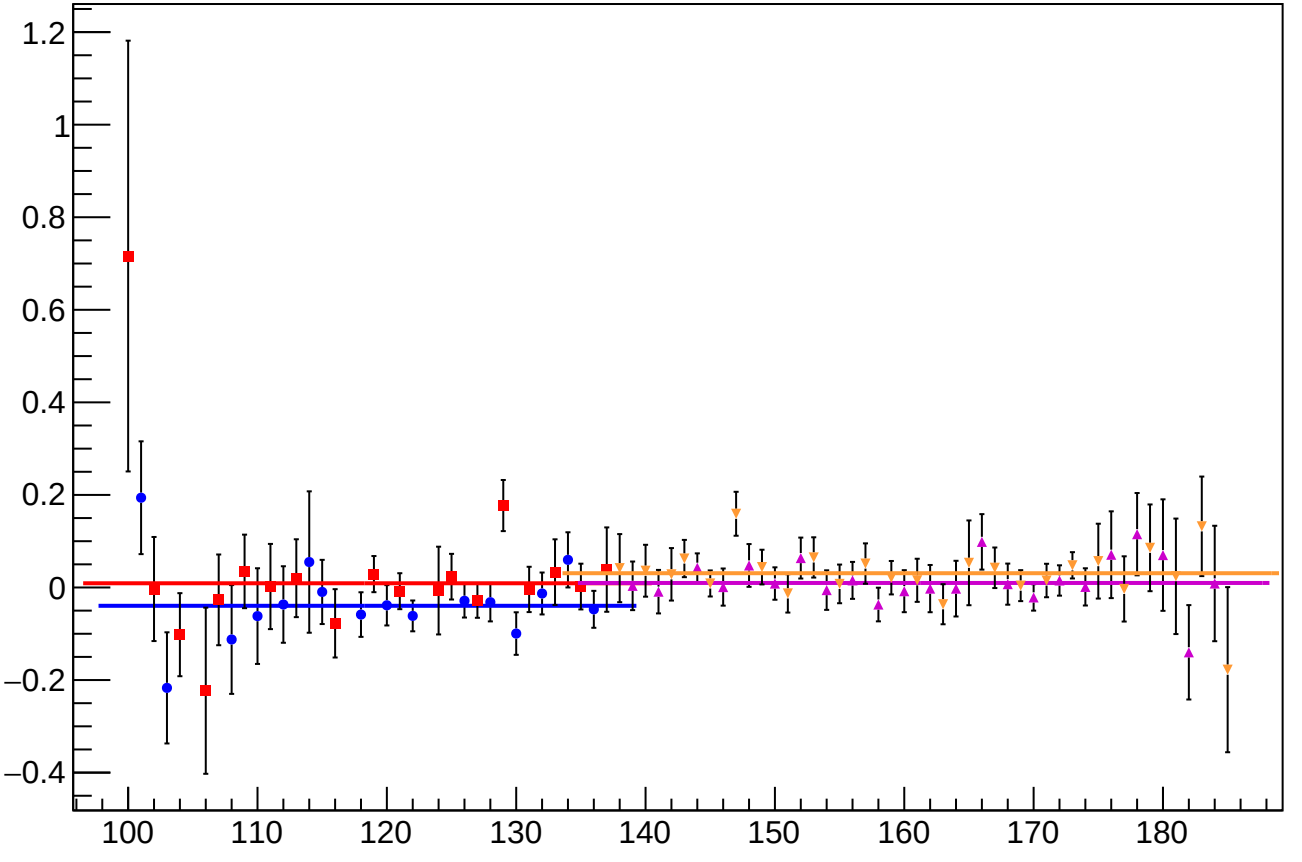
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5108776.4/40

All: 0.000+/-0.000 χ^2/NDF: 8797982.7/82

- 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:17.8/24

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

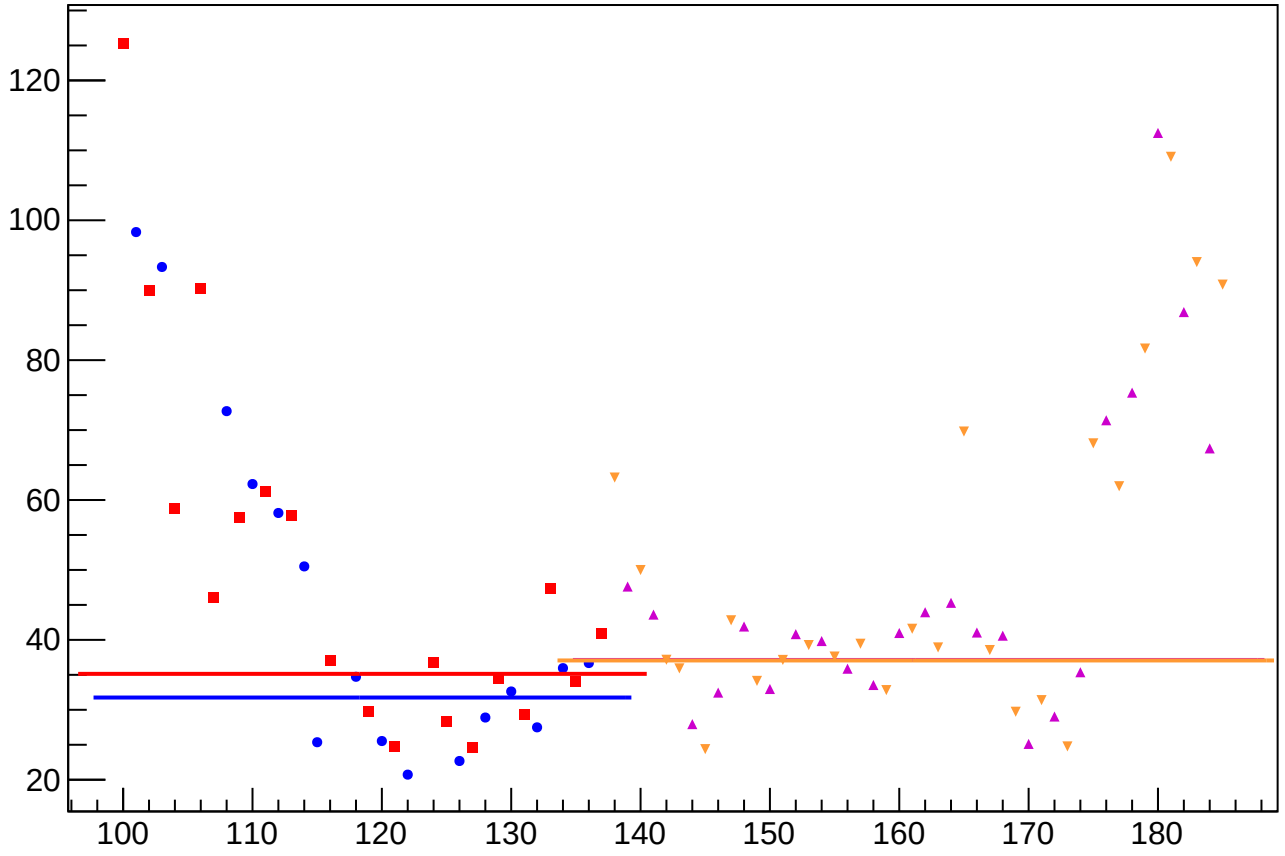
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.6/40

All: 0.009+/-0.005 χ^2/NDF: 81.1/82

- sign 0.010+/-0.008 χ^2/NDF: 31.5/41

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

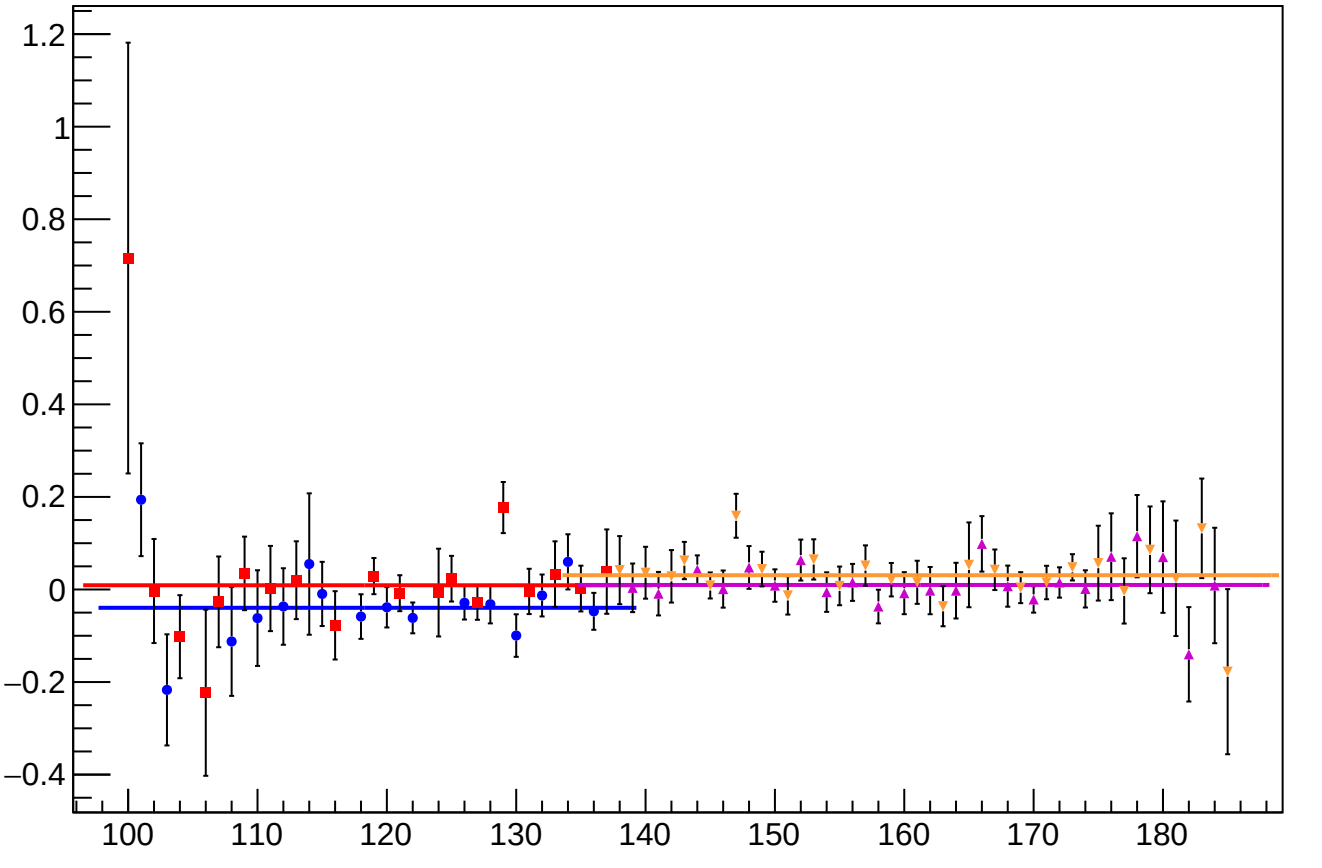
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.336+/-0.005 χ^2/NDF: 6525275.8/40

All: 35.904+/-0.004 χ^2/NDF: 11434057.8/82

- 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:17.8/24

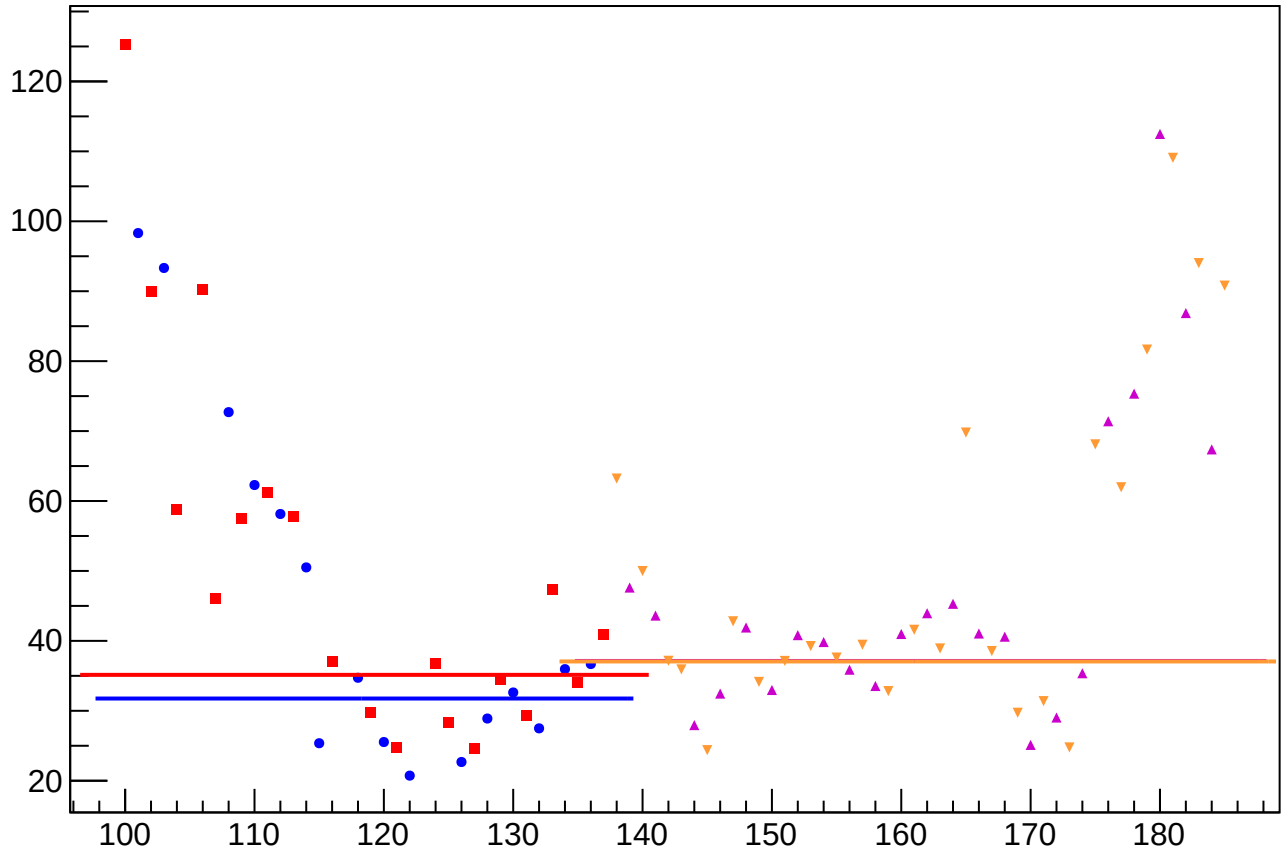
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.6/40

All: 0.009+/-0.005 χ^2/NDF: 81.1/82

- 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: 37.057+/-0.006 χ^2/NDF:4053719.8/24

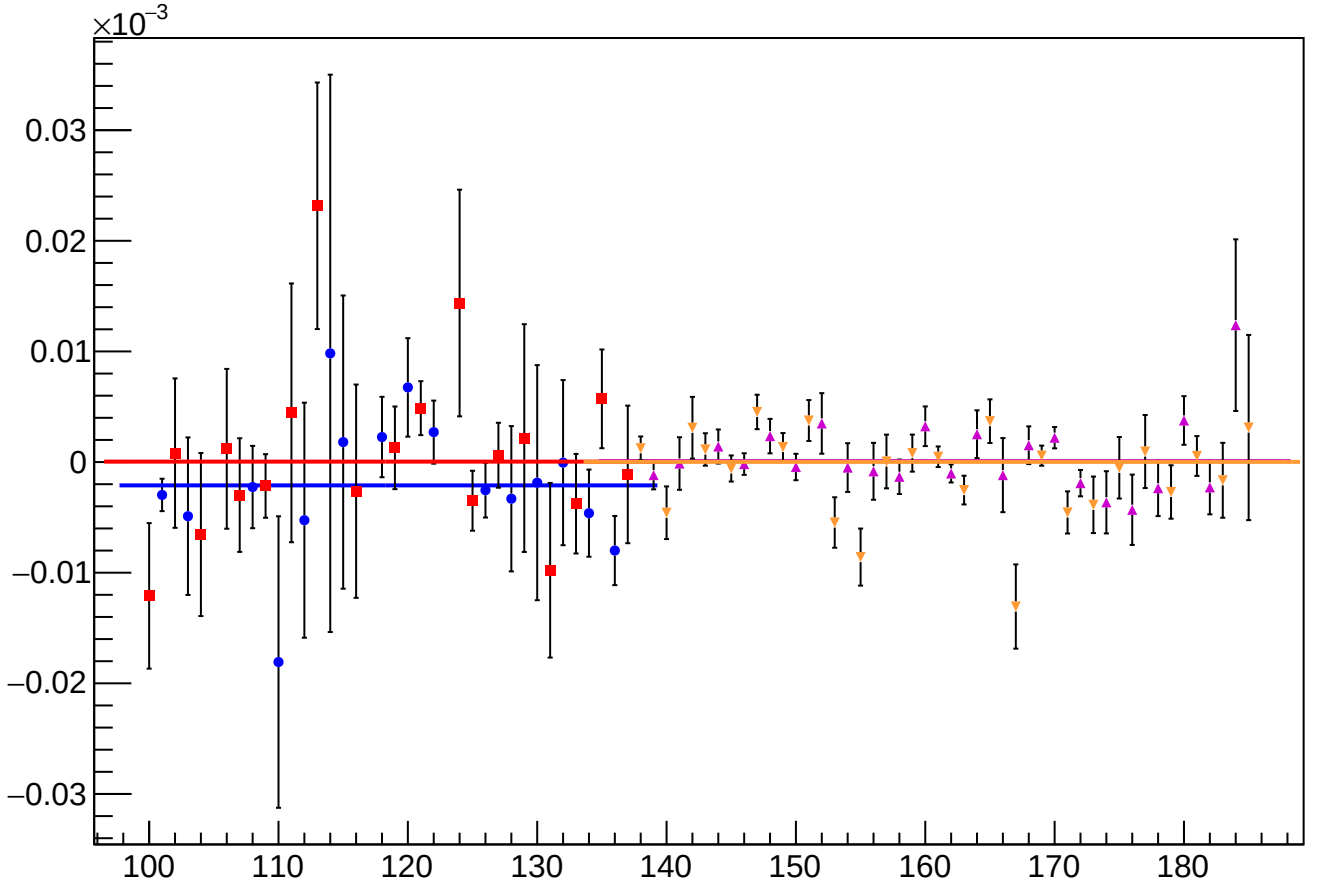
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.336+/-0.005 χ^2/NDF: 6525275.8/40

All: 35.904+/-0.004 χ^2/NDF: 11434057.8/82

- 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:67.6/24

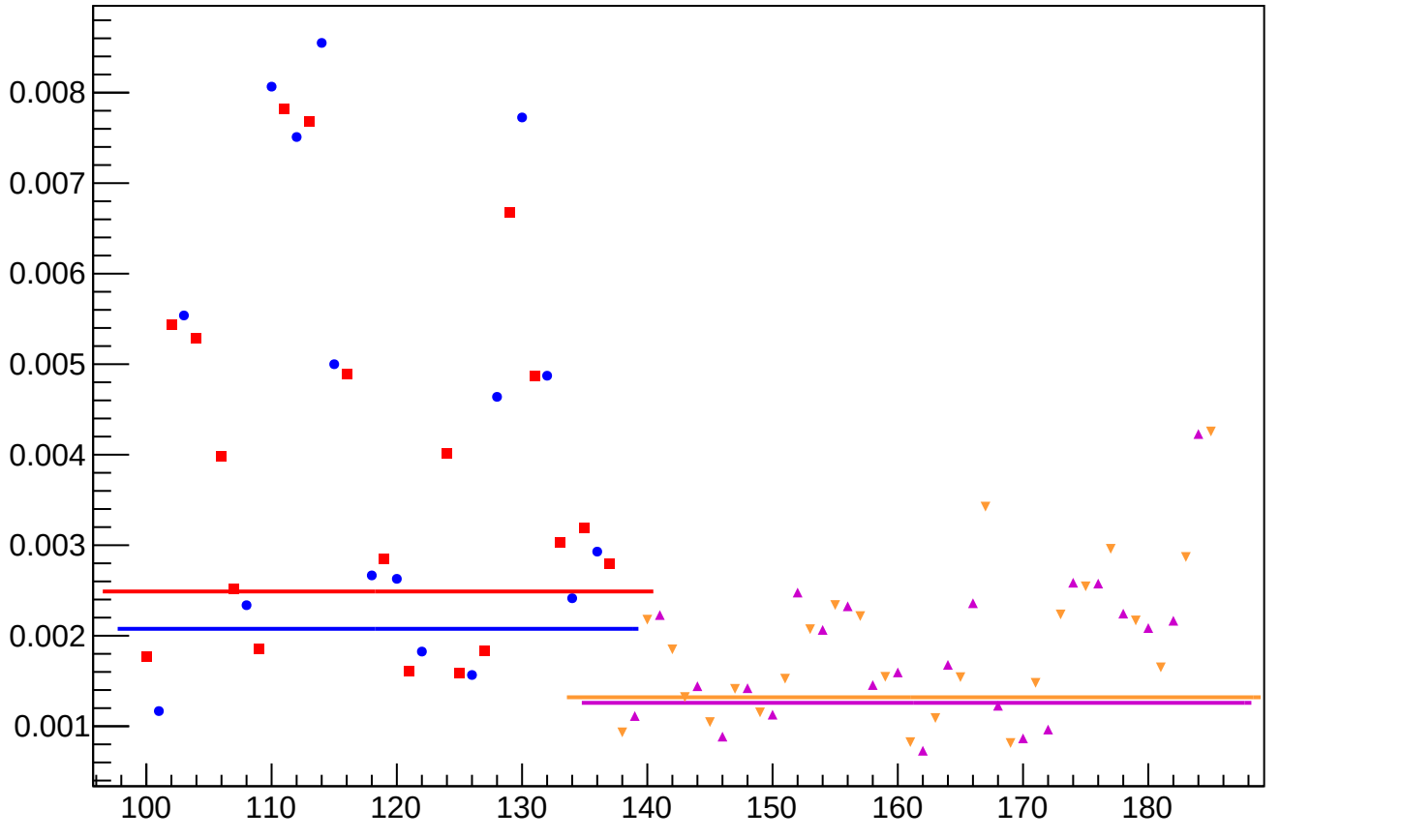
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.1/40

All: -0.000+/-0.000 χ^2/NDF: 141.3/82

- sign 0.000+/-0.000 χ^2/NDF: 53.6/41



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

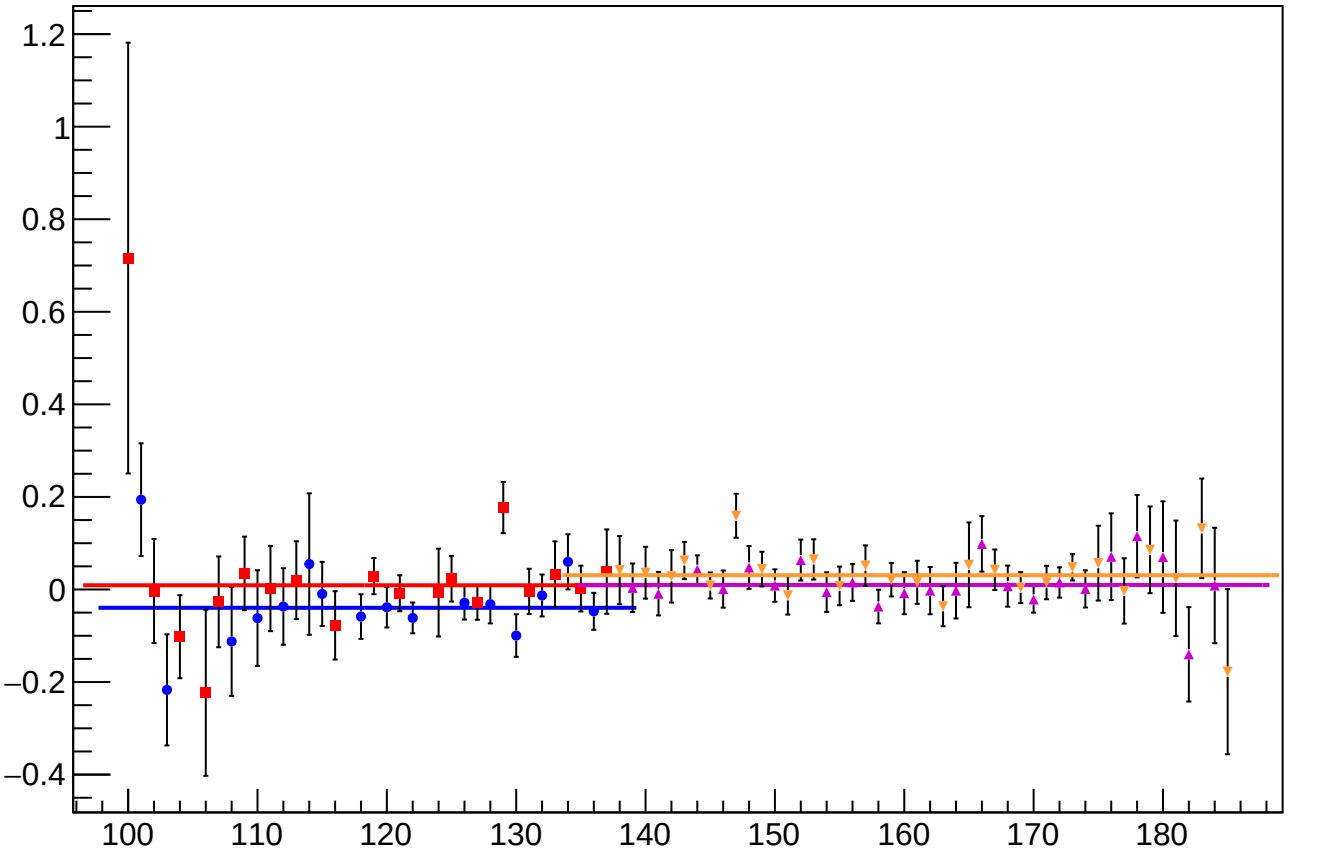
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 10770239.7/40

All: 0.001+/-0.000 χ^2/NDF: 21783138.0/82

- sign 0.001+/-0.000 χ^2/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:17.8/24

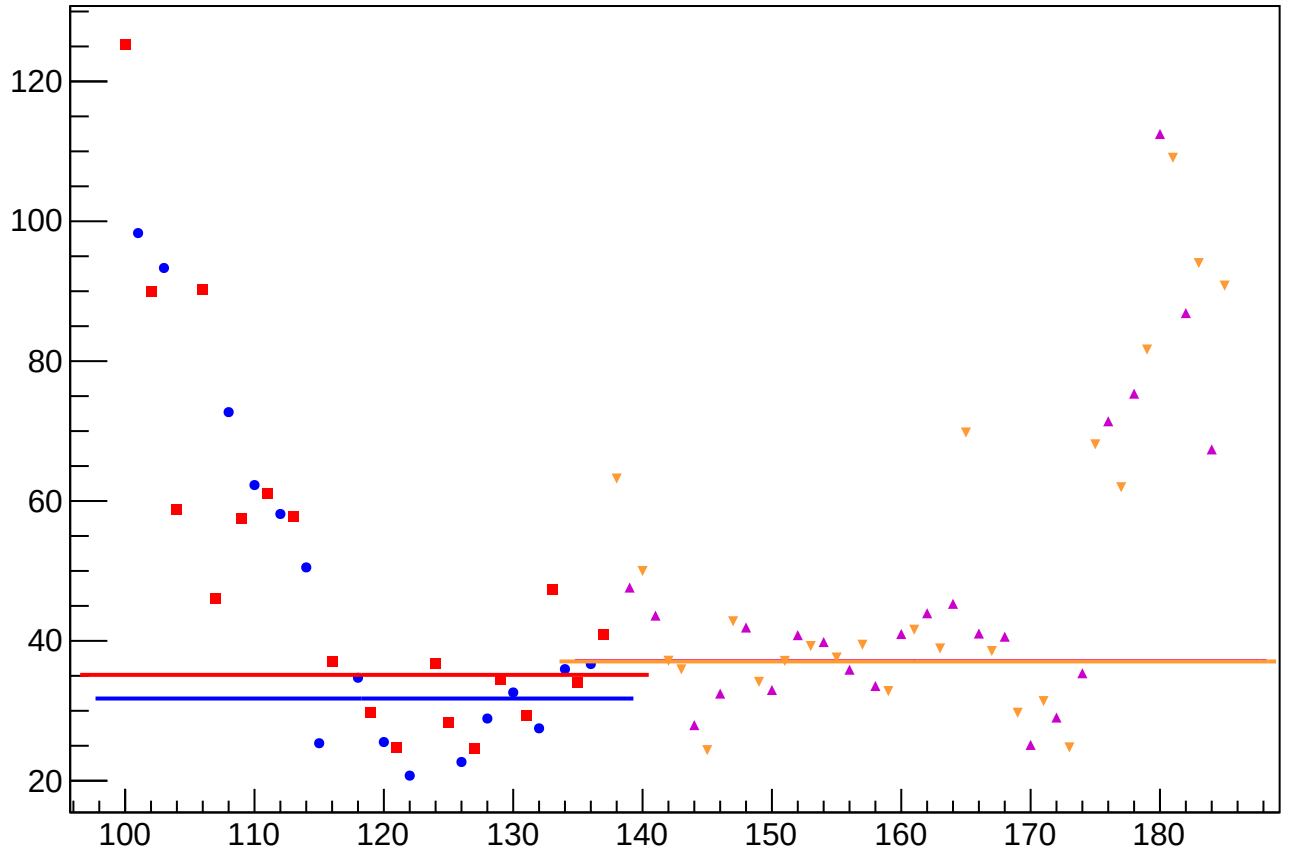
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.6/40

All: 0.009+/-0.005 χ^2/NDF: 81.1/82

- 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: 37.057+/-0.006 χ^2/NDF:4053728.9/24

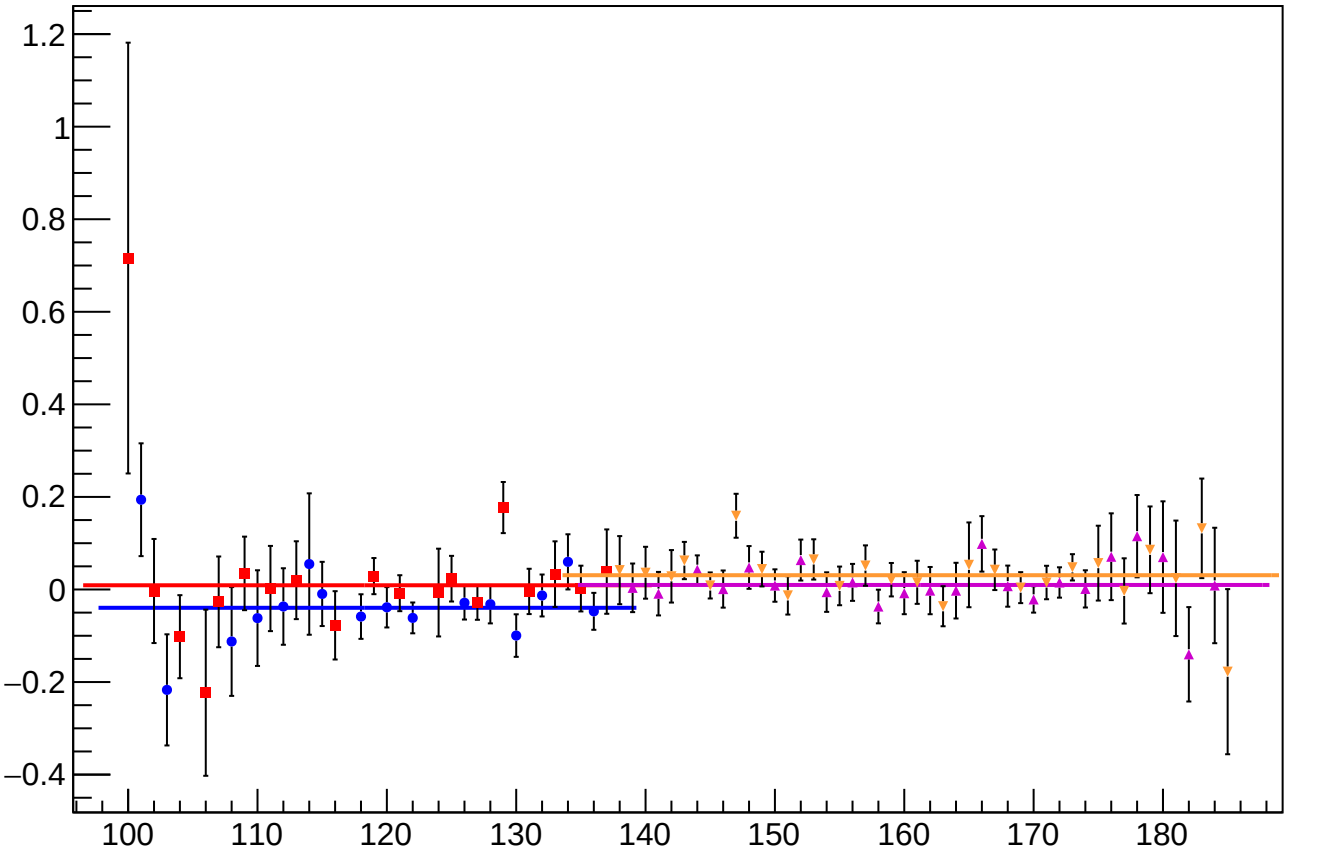
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.336+/-0.005 χ^2/NDF: 6525224.8/40

All: 35.904+/-0.004 χ^2/NDF: 11433859.9/82

- 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:17.8/24

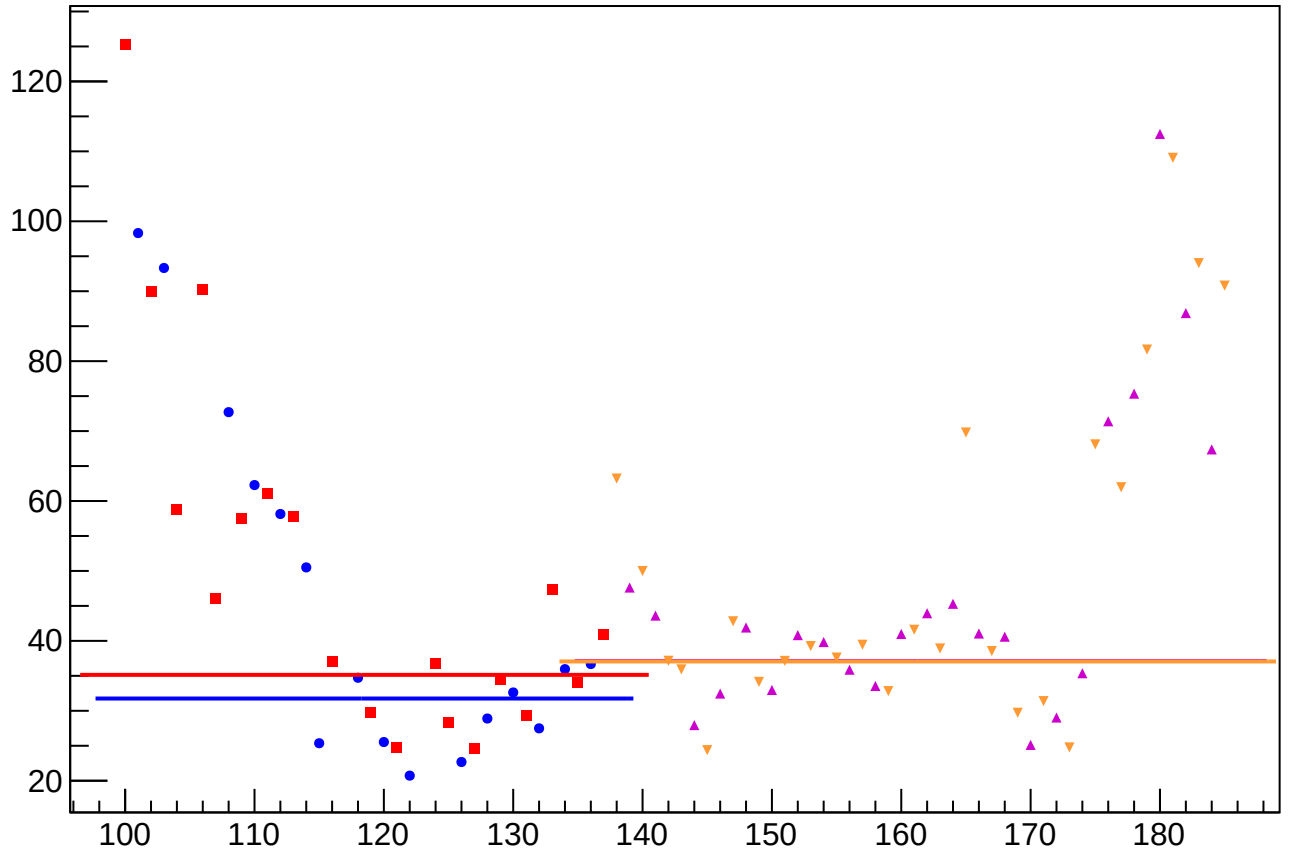
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.6/40

All: 0.009+/-0.005 χ^2/NDF: 81.1/82

- 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: 37.057+/-0.006 χ^2/NDF:4053728.9/24

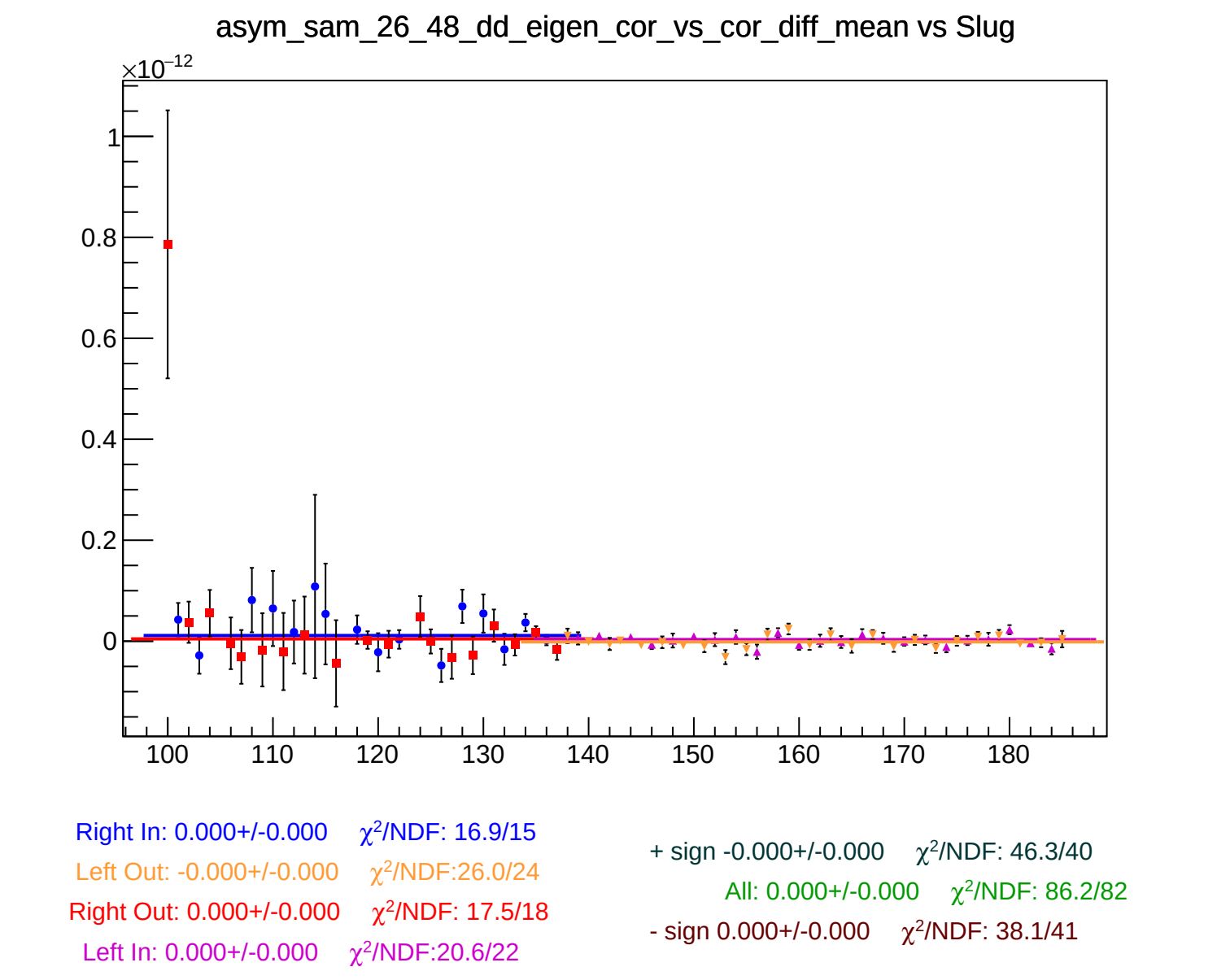
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

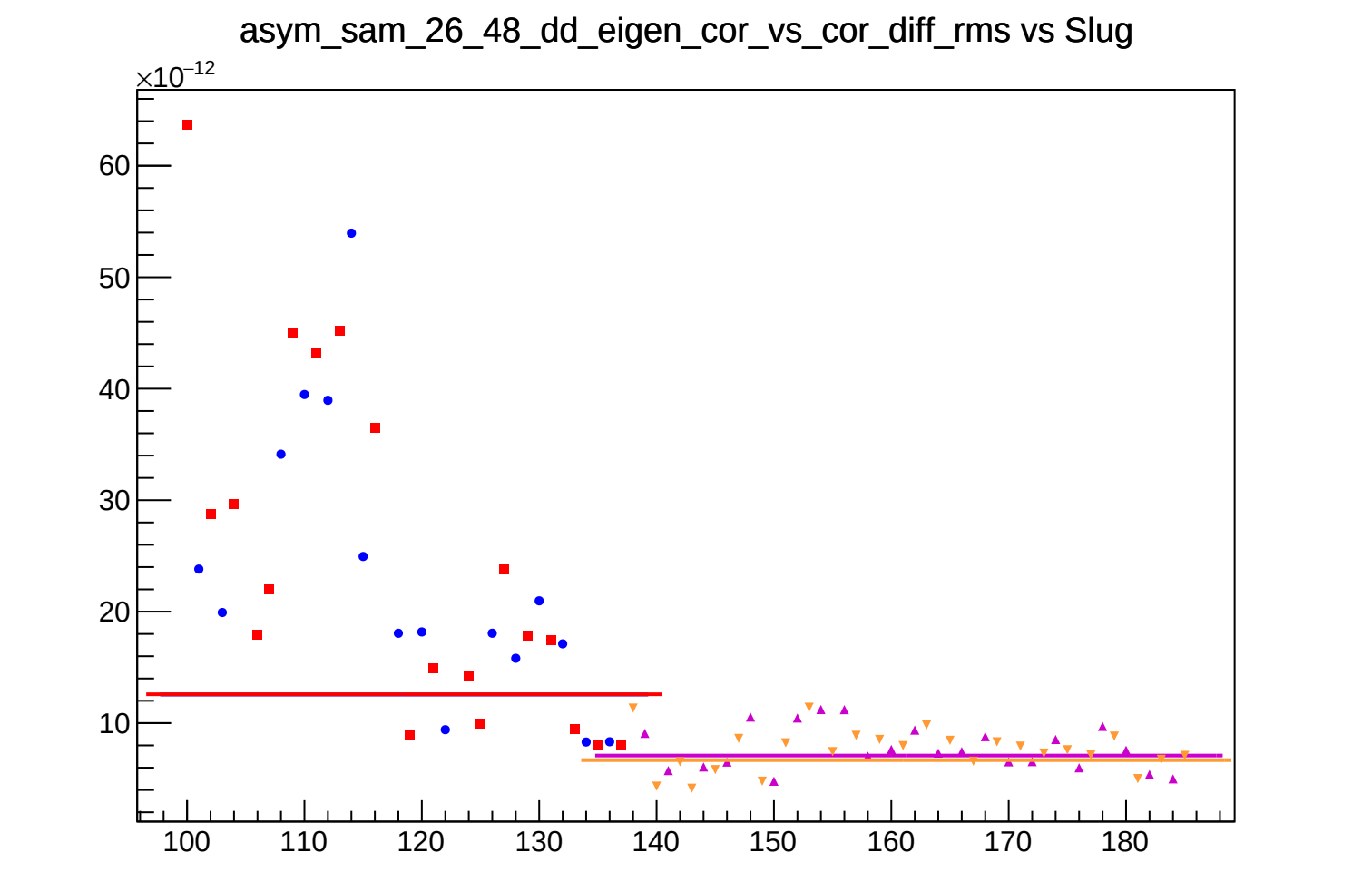
Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.336+/-0.005 χ^2/NDF: 6525224.8/40

All: 35.904+/-0.004 χ^2/NDF: 11433859.9/82

- 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:26.0/24
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: 46.3/40
All: 0.000+/-0.000 χ²/NDF: 86.2/82
- sign 0.000+/-0.000 χ²/NDF: 38.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

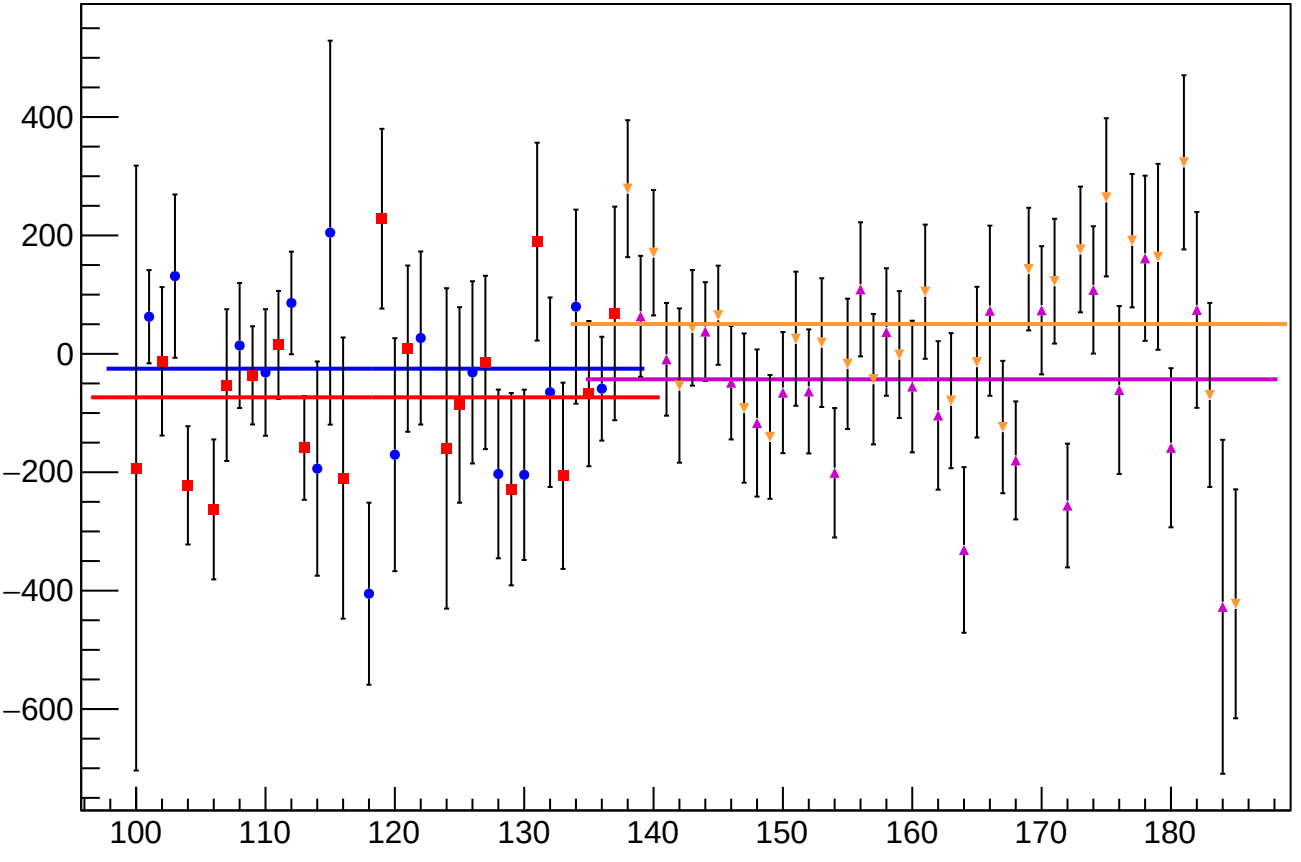
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5651153.6/40

All: 0.000+/-0.000 χ^2/NDF: 11127058.4/82

- sign 0.000+/-0.000 χ^2/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: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

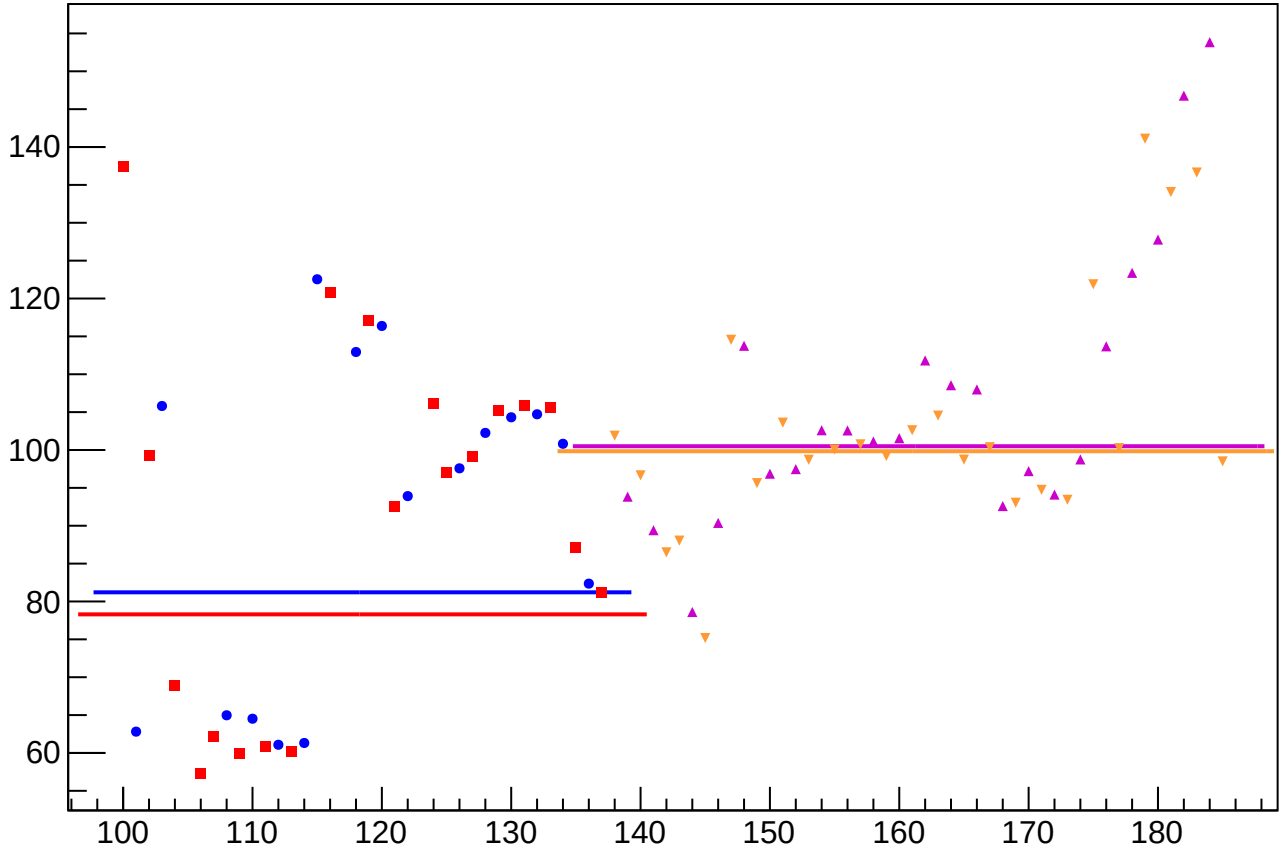
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.867+/-18.497 χ^2/NDF: 53.4/40

All: -15.222+/-13.119 χ^2/NDF: 106.5/82

- 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: 99.839+/-0.016 χ^2/NDF:697768.7/24

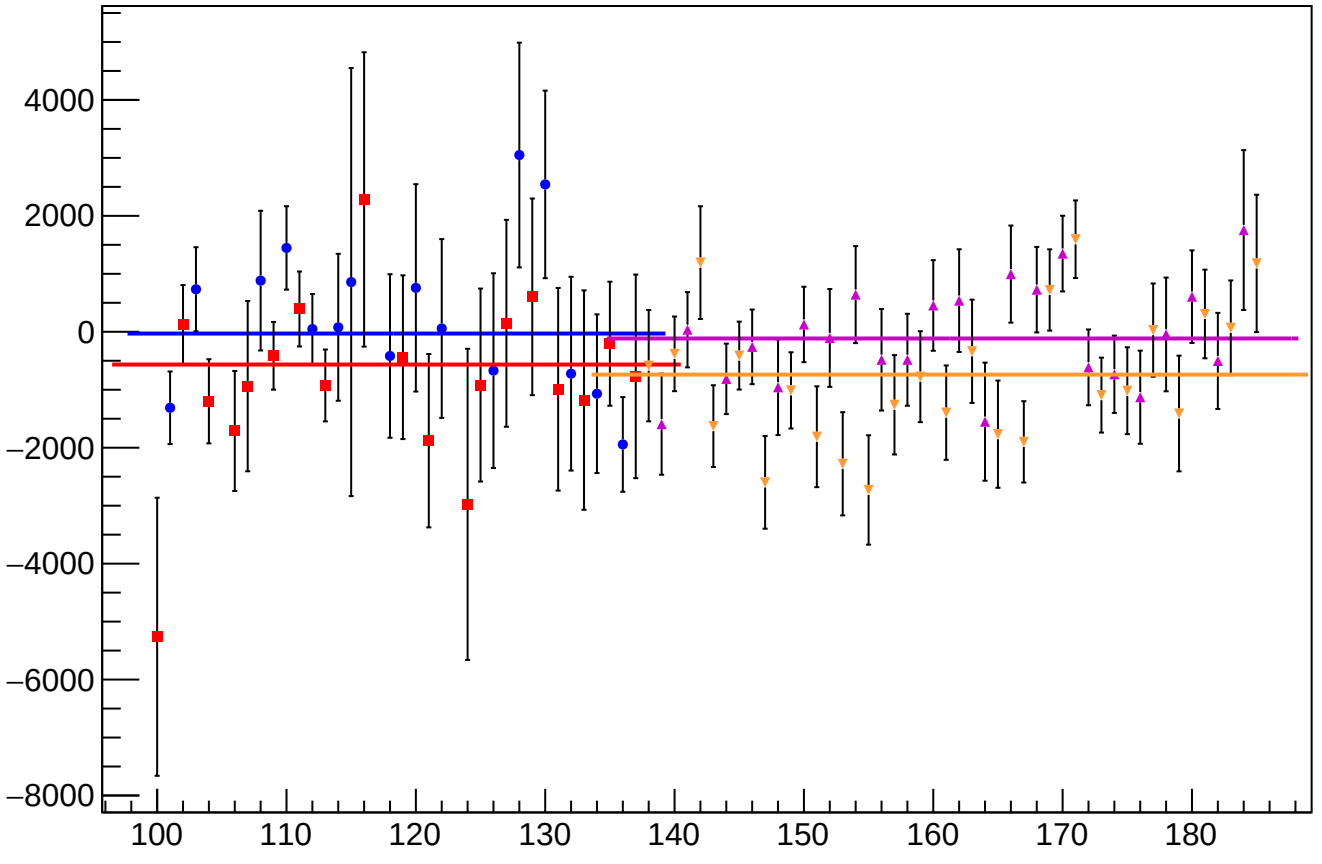
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.303+/-0.013 χ^2/NDF: 1947454.7/40

All: 92.615+/-0.009 χ^2/NDF: 4219422.6/82

- 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: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

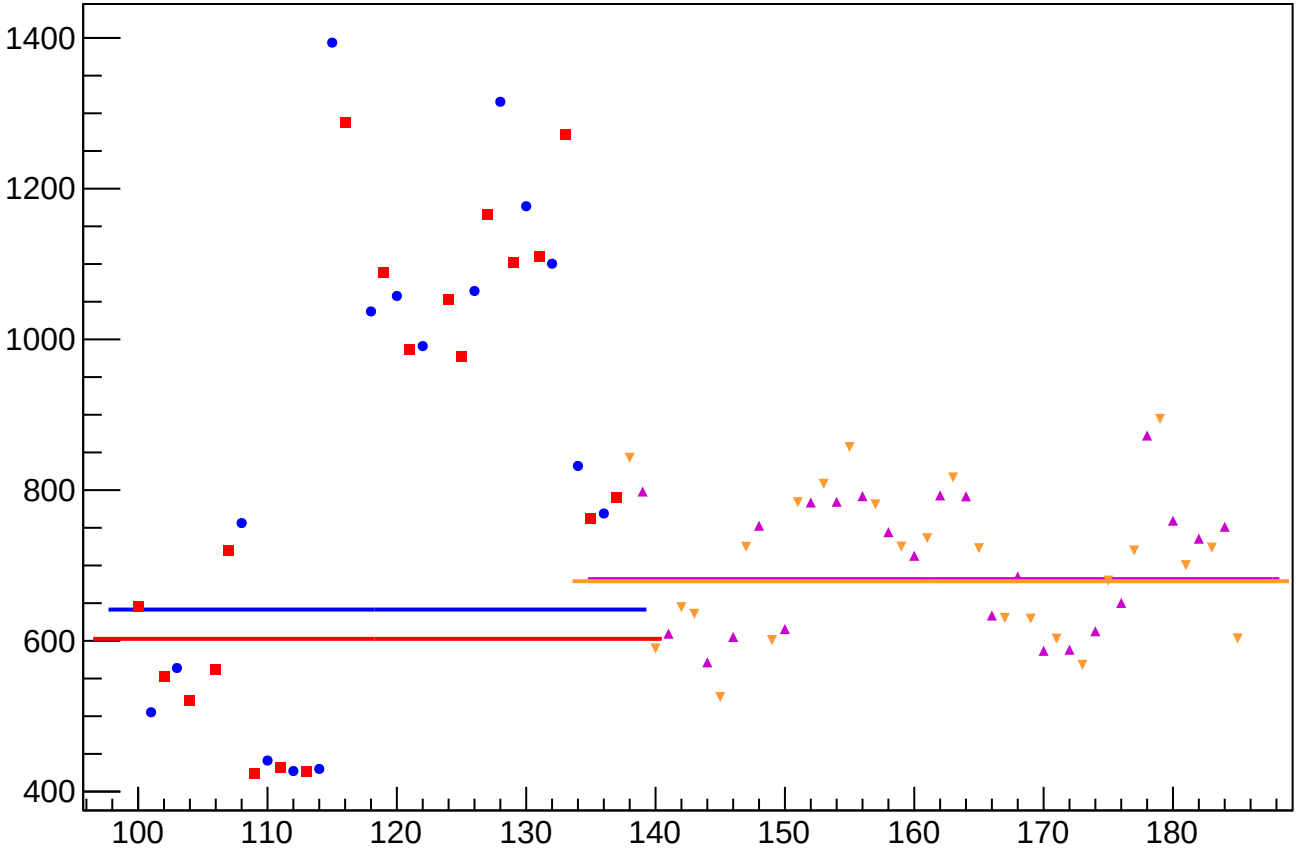
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.191+/-133.549 χ^2/NDF: 77.1/40

All: -401.605+/-94.393 χ^2/NDF: 118.9/82

- 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: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

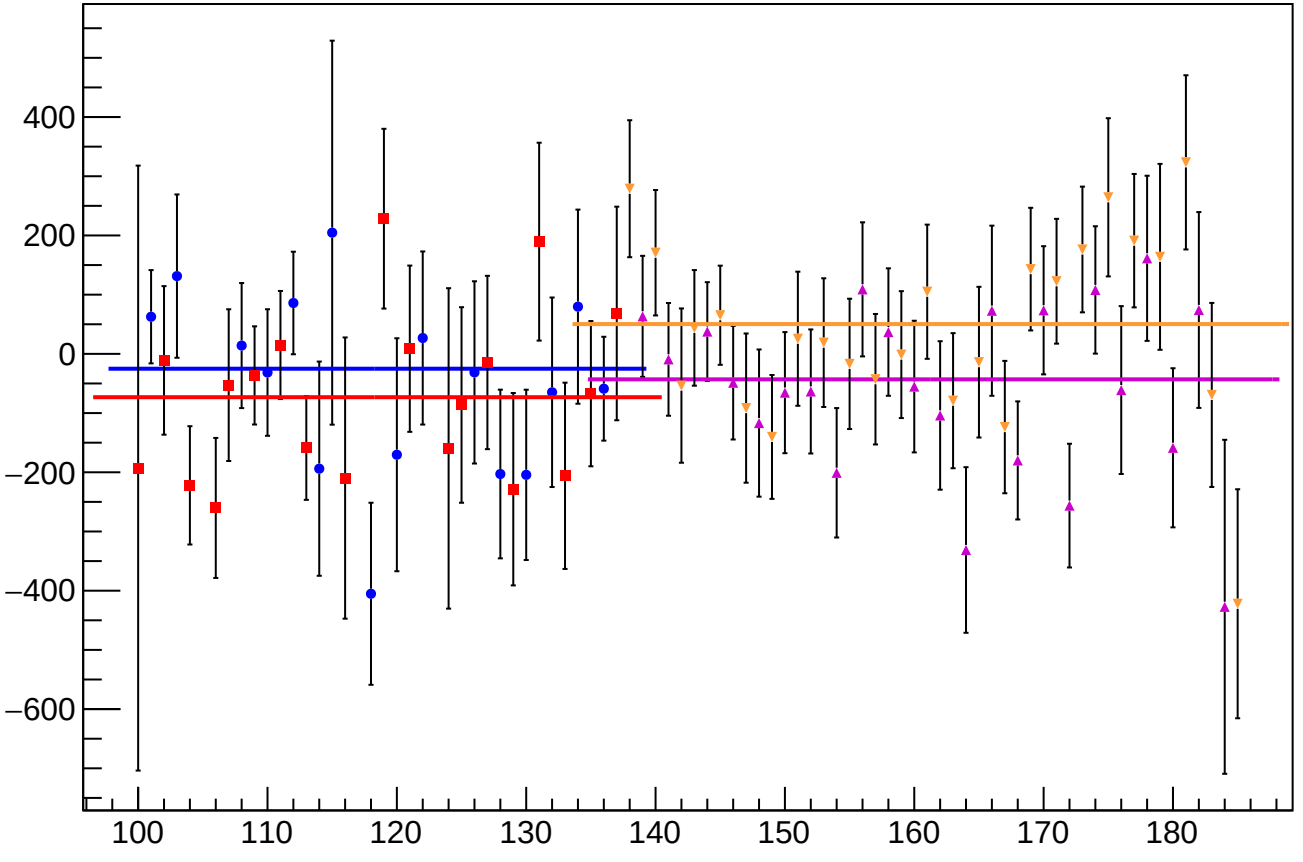
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 668.980+/-0.094 χ^2/NDF: 2643739.6/40

All: 663.029+/-0.067 χ^2/NDF: 5447466.1/82

- 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: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

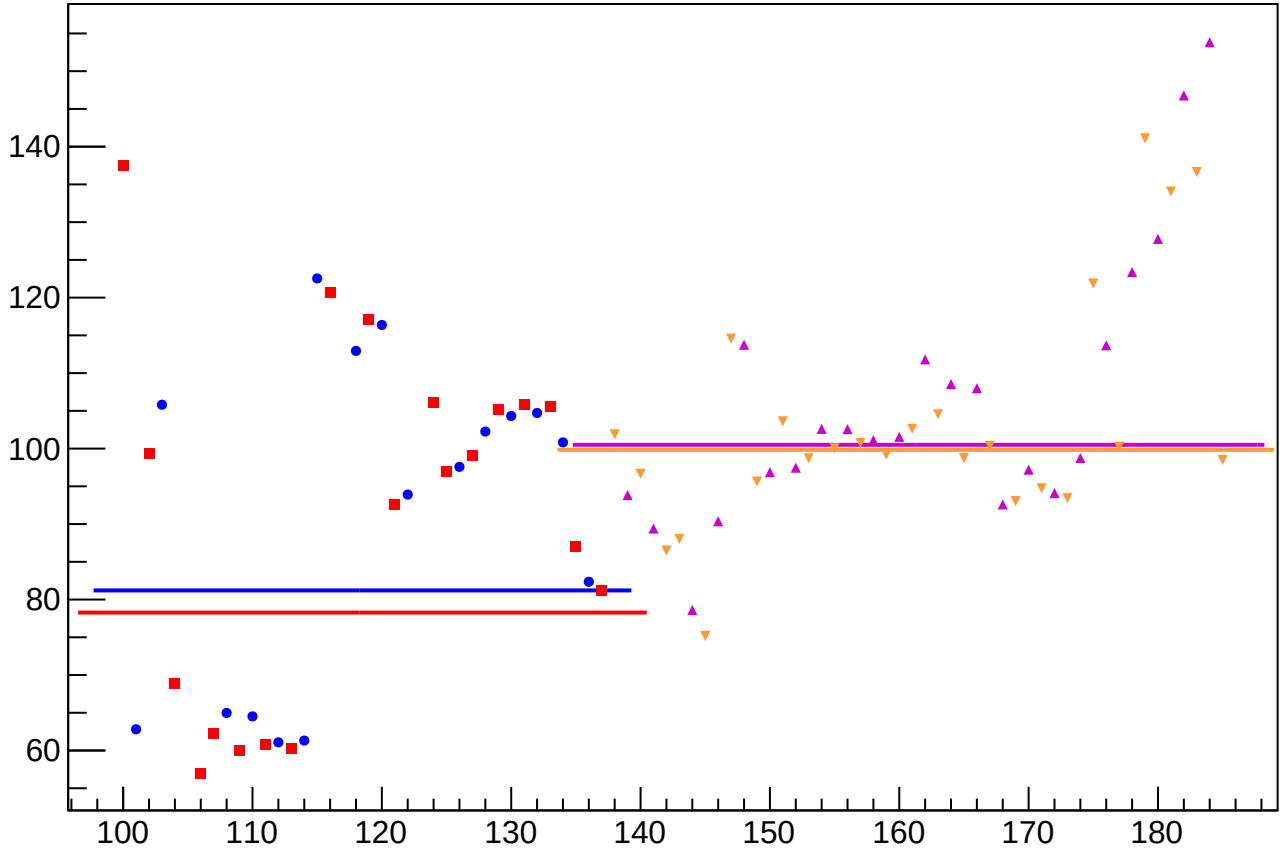
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.871+/-18.497 χ^2/NDF: 53.4/40

All: -15.168+/-13.119 χ^2/NDF: 106.4/82

- sign -54.684+/-18.610 χ^2/NDF: 44.0/41

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

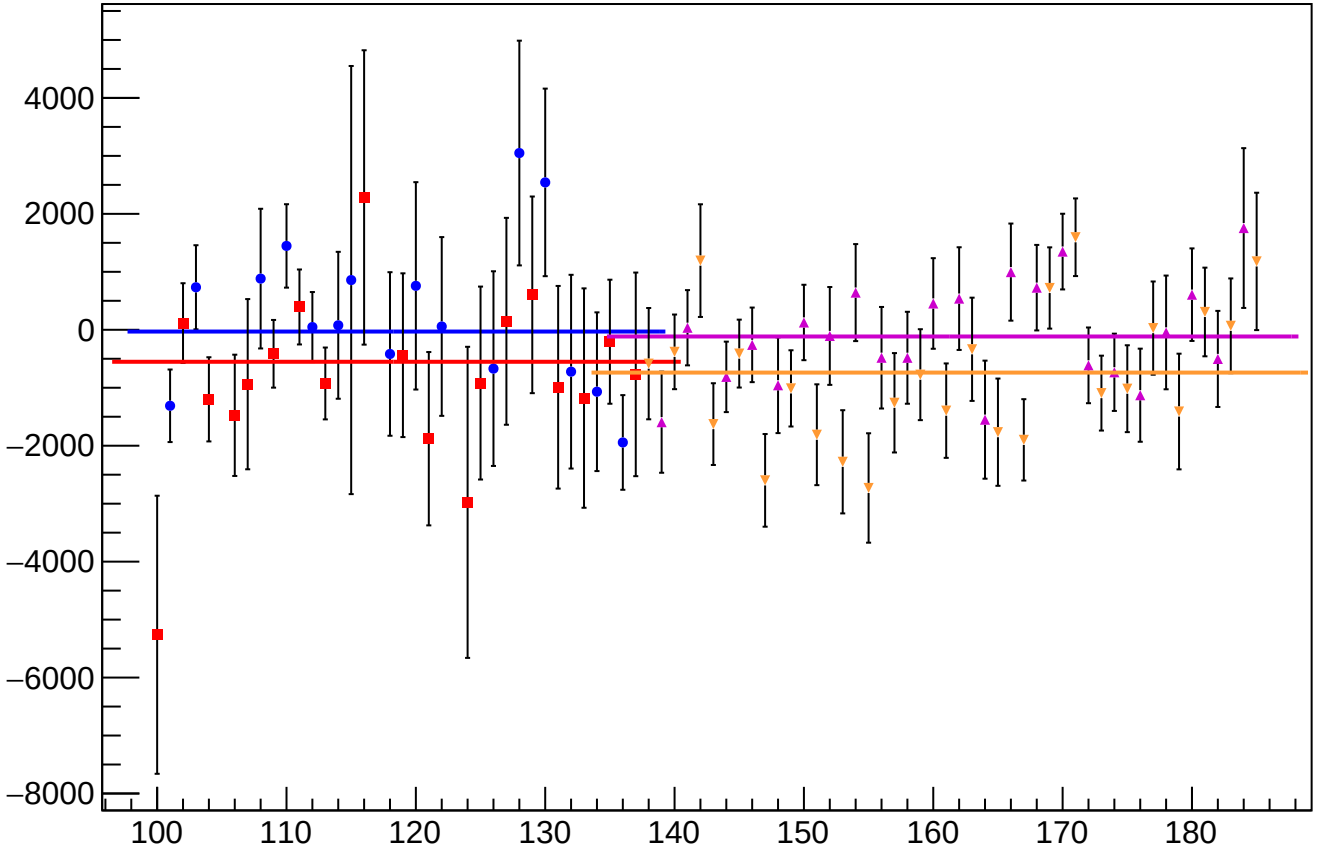
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.303+/-0.013 χ^2/NDF: 1947456.1/40

All: 92.612+/-0.009 χ^2/NDF: 4222698.4/82

- 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: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

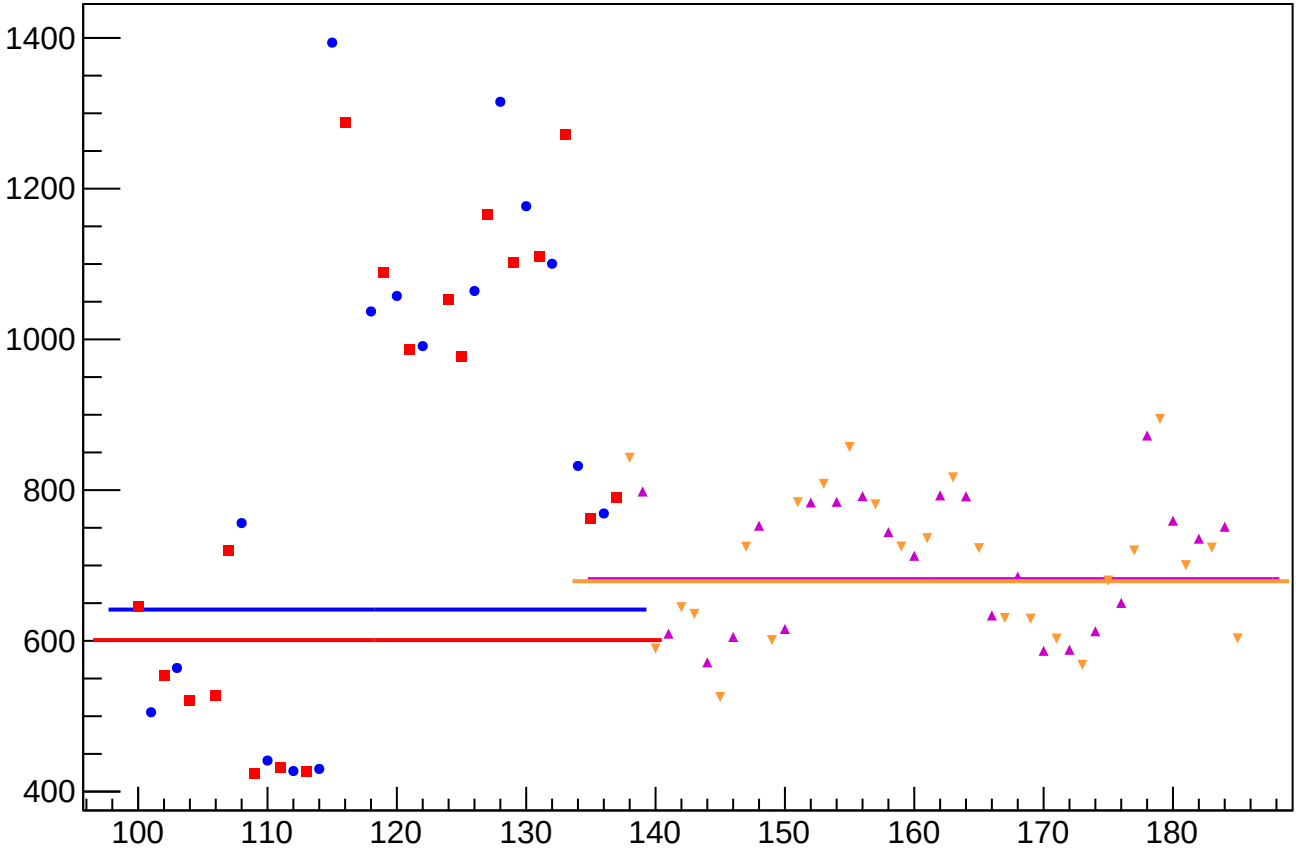
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.193+/-133.549 χ^2/NDF: 77.1/40

All: -399.548+/-94.402 χ^2/NDF: 118.4/82

- 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: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

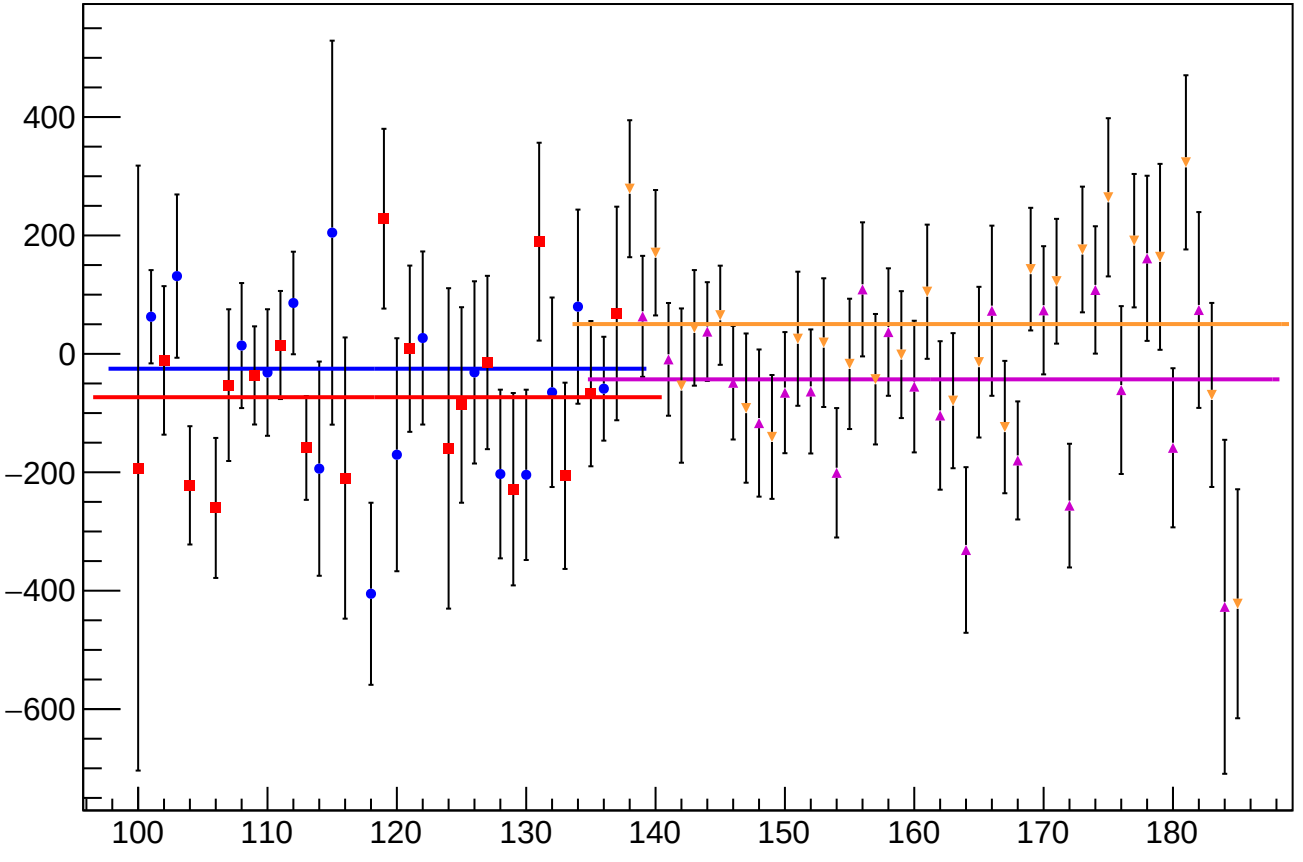
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 668.983+/-0.094 χ^2/NDF: 2643682.3/40

All: 662.780+/-0.067 χ^2/NDF: 5461381.3/82

- 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: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

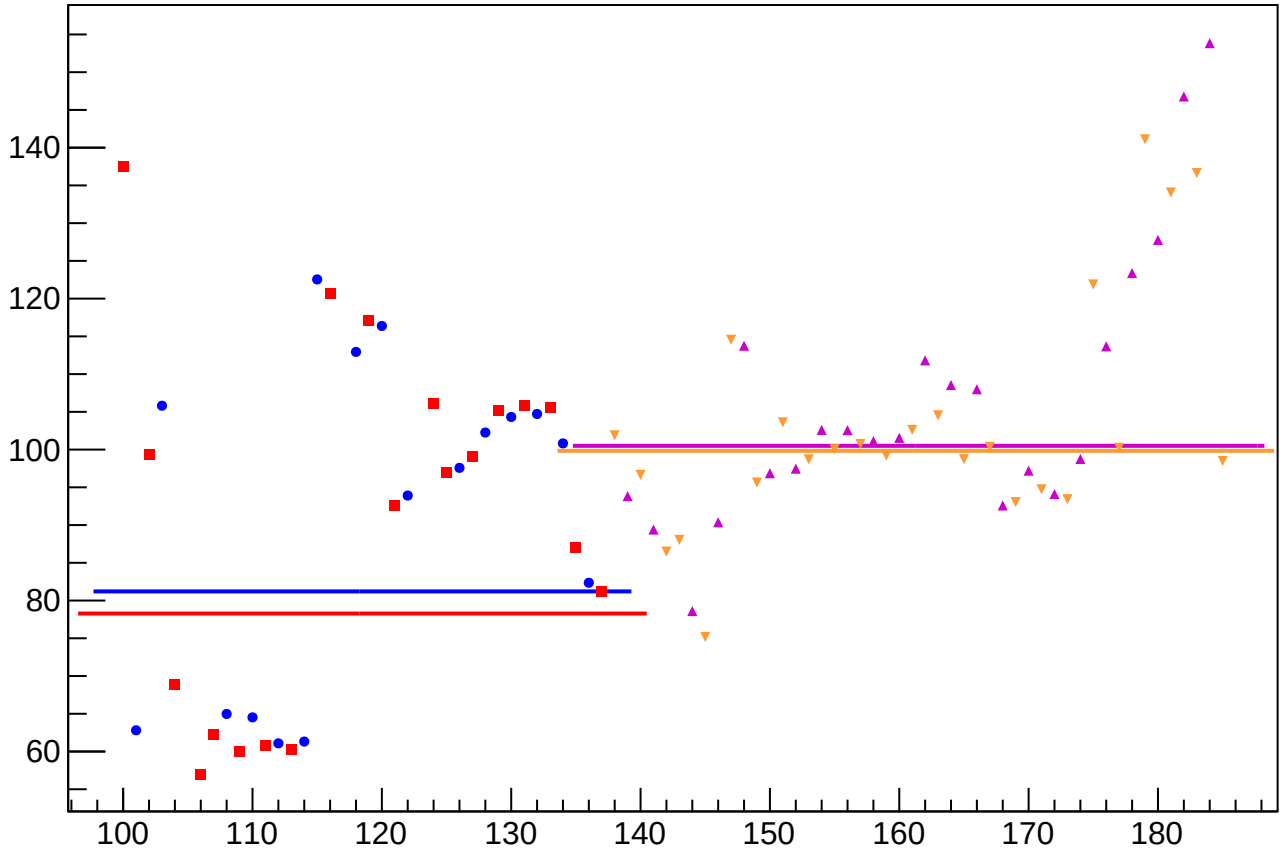
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.871+/-18.497 χ^2/NDF: 53.4/40

All: -15.168+/-13.119 χ^2/NDF: 106.4/82

- 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: 99.839+/-0.016 χ^2/NDF:697768.8/24

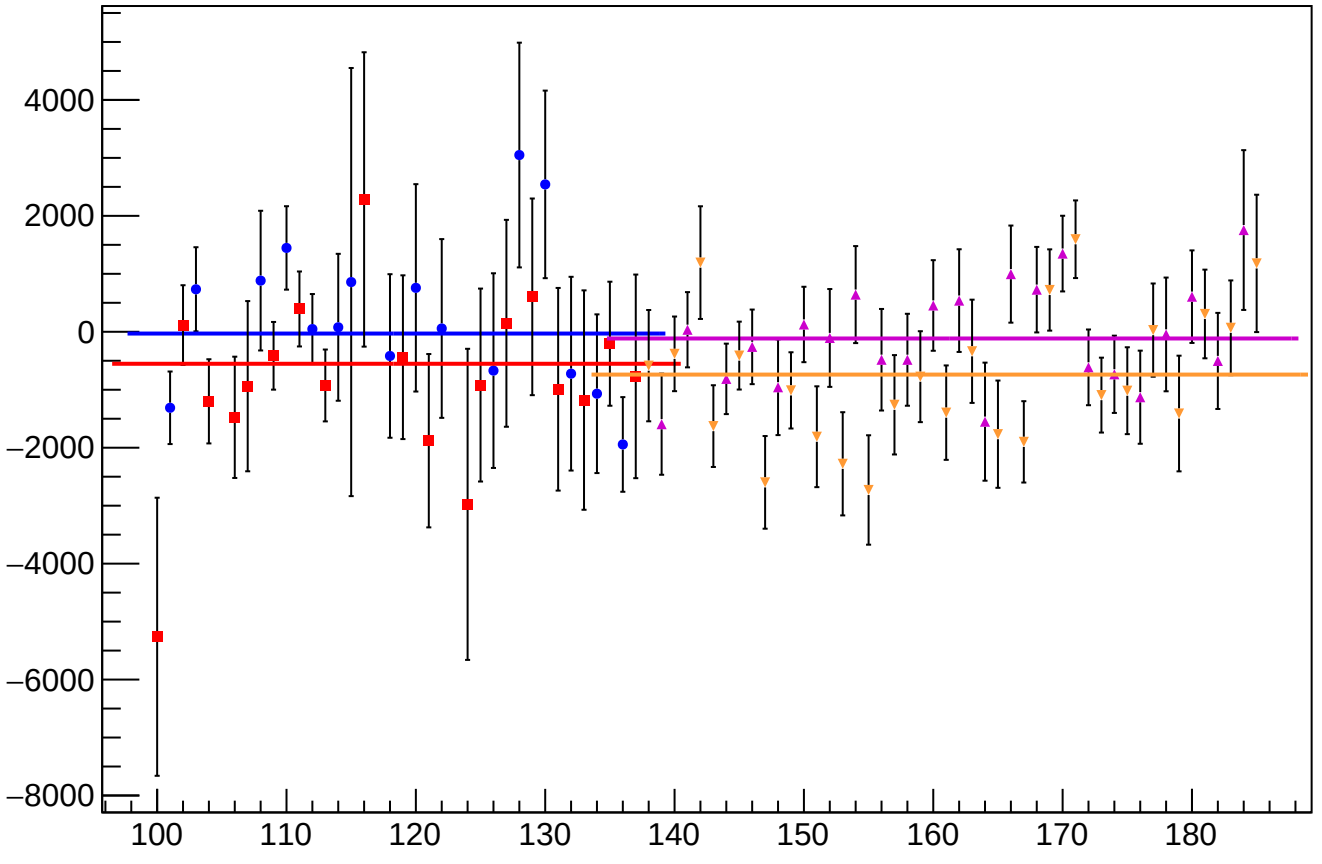
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.303+/-0.013 χ^2/NDF: 1947456.1/40

All: 92.612+/-0.009 χ^2/NDF: 4222698.4/82

- 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: -738.352+/-156.311 χ^2/NDF:49.7/24

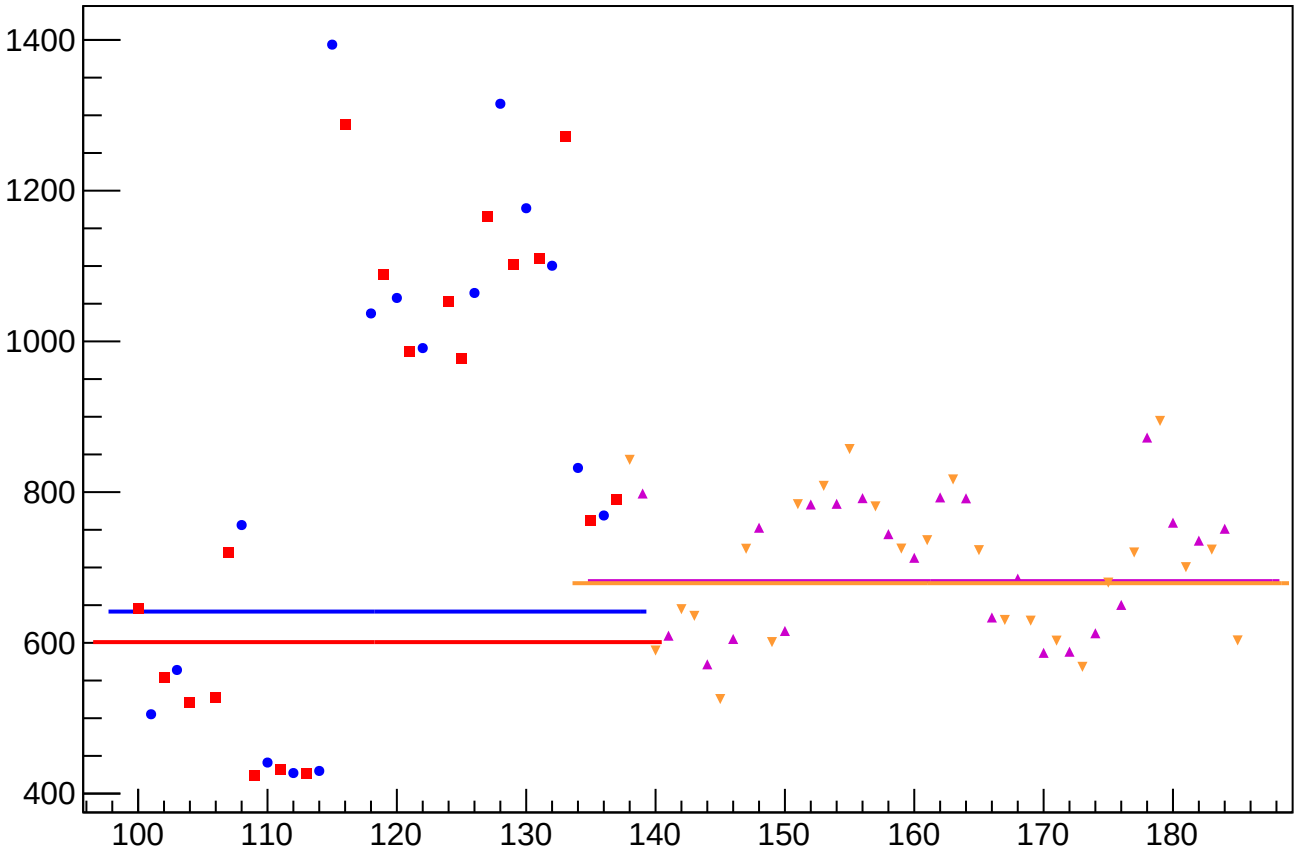
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

\+ sign -547.193+/-133.549 χ^2/NDF: 77.1/40

All: -399.548+/-94.402 χ^2/NDF: 118.4/82

\- 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: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

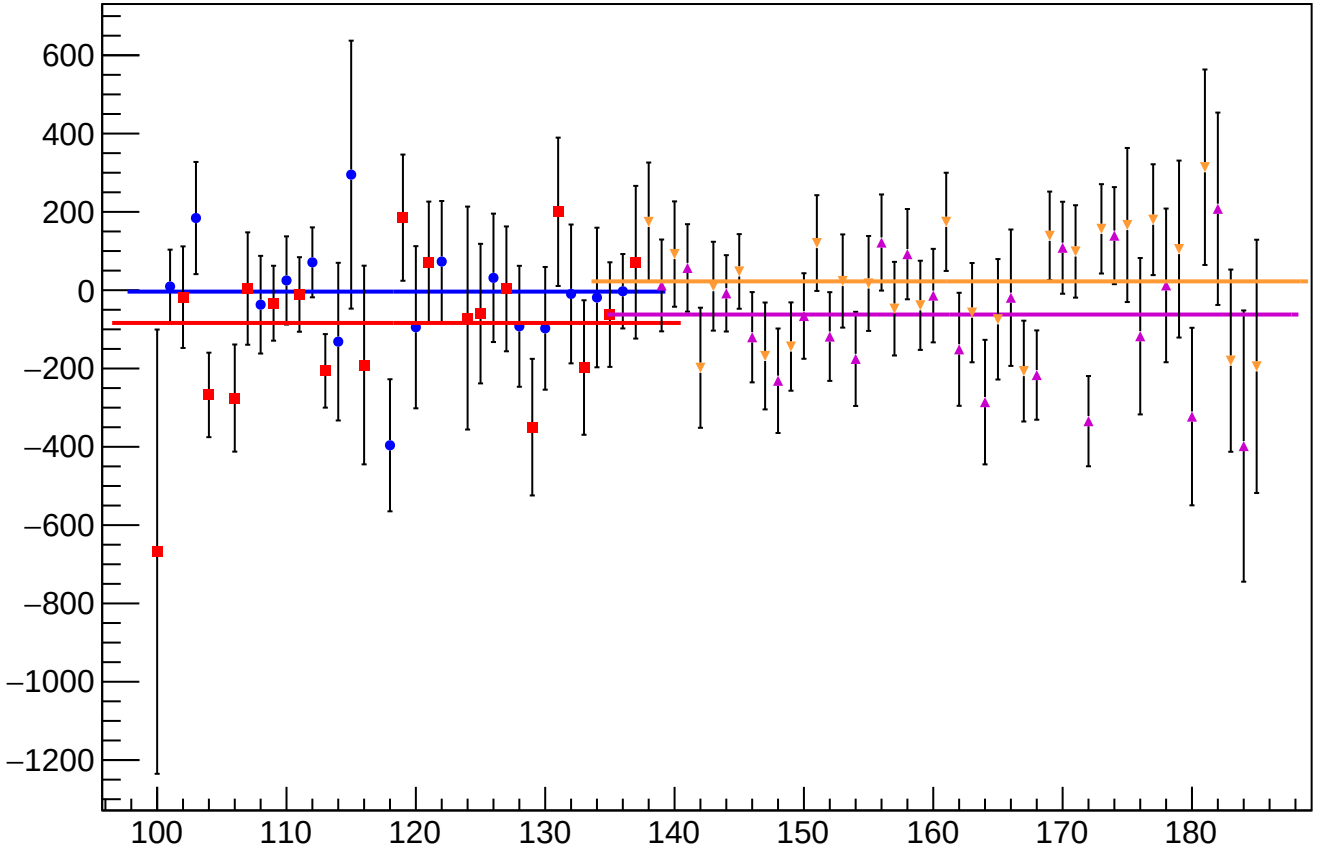
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 668.983+/-0.094 χ^2/NDF: 2643682.3/40

All: 662.780+/-0.067 χ^2/NDF: 5461381.3/82

- 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: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

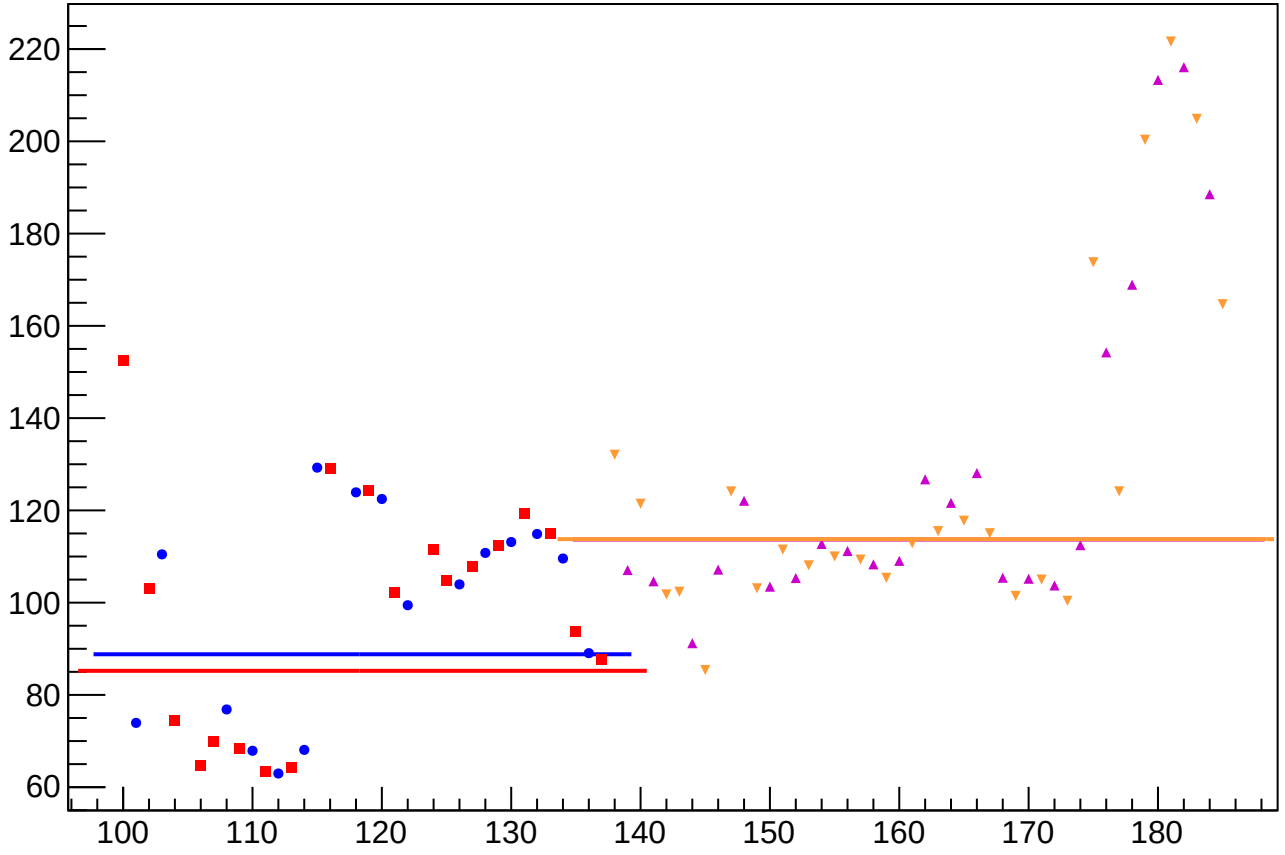
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 12.638+/-21.007 χ^2/NDF: 32.3/40

All: -29.301+/-14.836 χ^2/NDF: 86.9/82

- 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: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

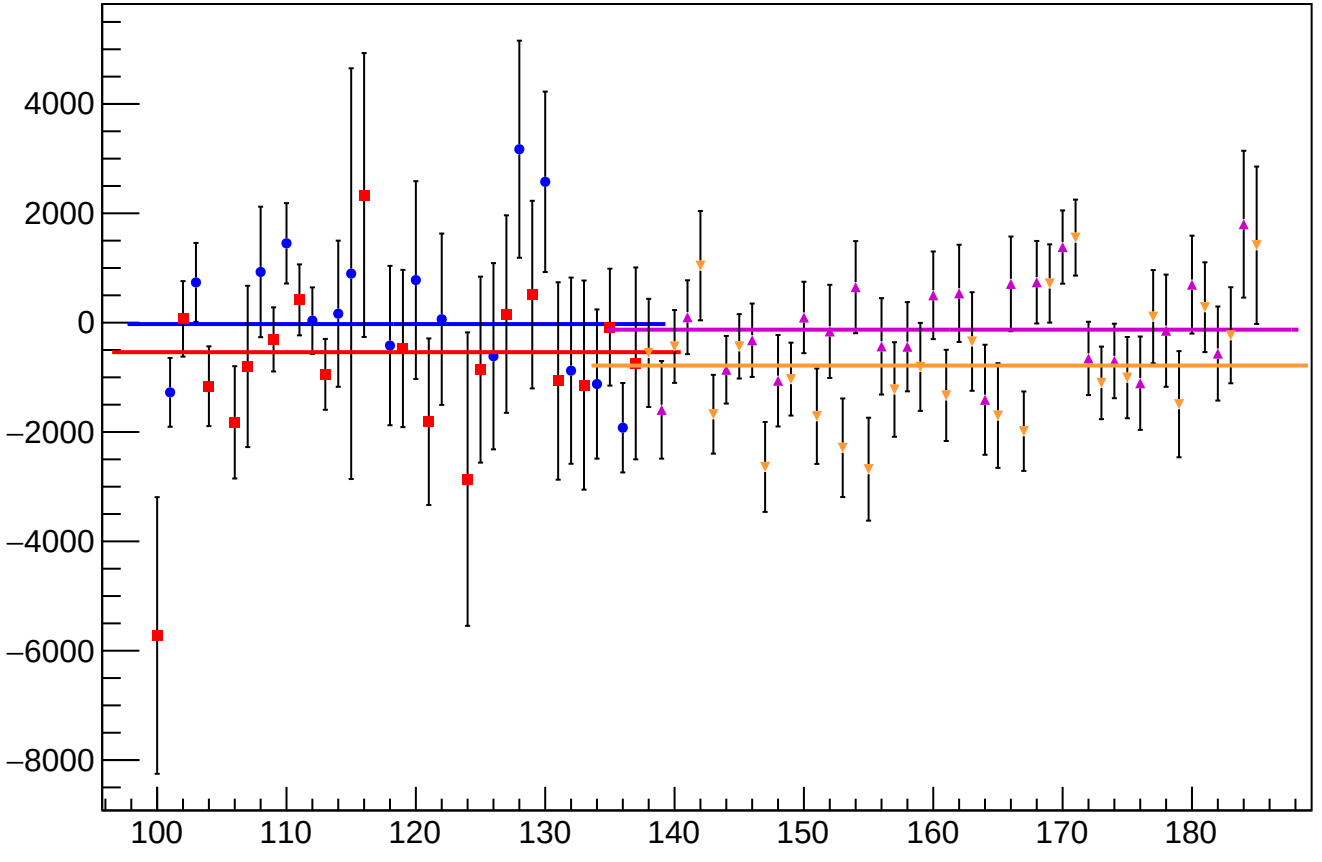
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 104.325+/-0.015 χ^2/NDF: 2968237.6/40

All: 103.131+/-0.010 χ^2/NDF: 6074612.5/82

- 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: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

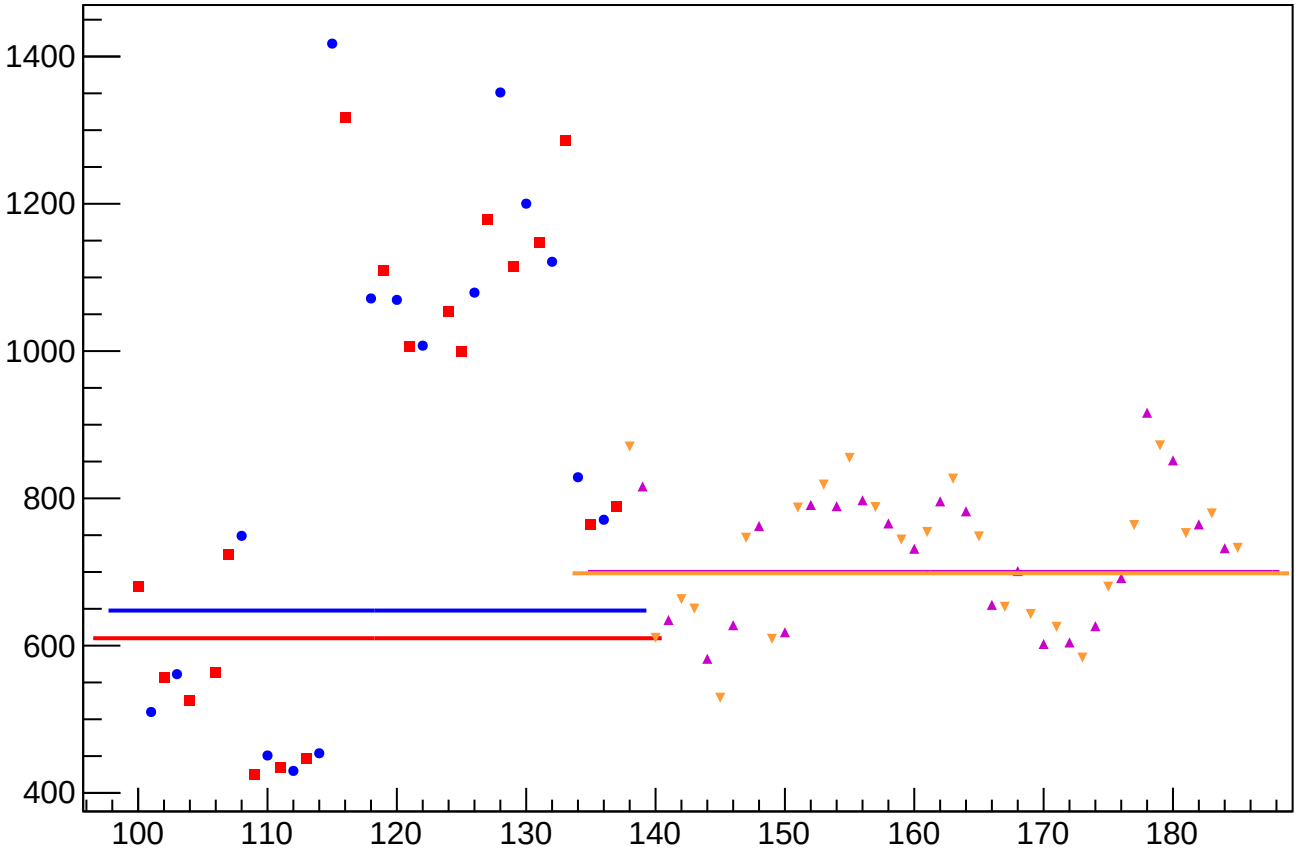
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -574.329+/-136.476 χ^2/NDF: 73.1/40

All: -416.790+/-96.453 χ^2/NDF: 114.2/82

- 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: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

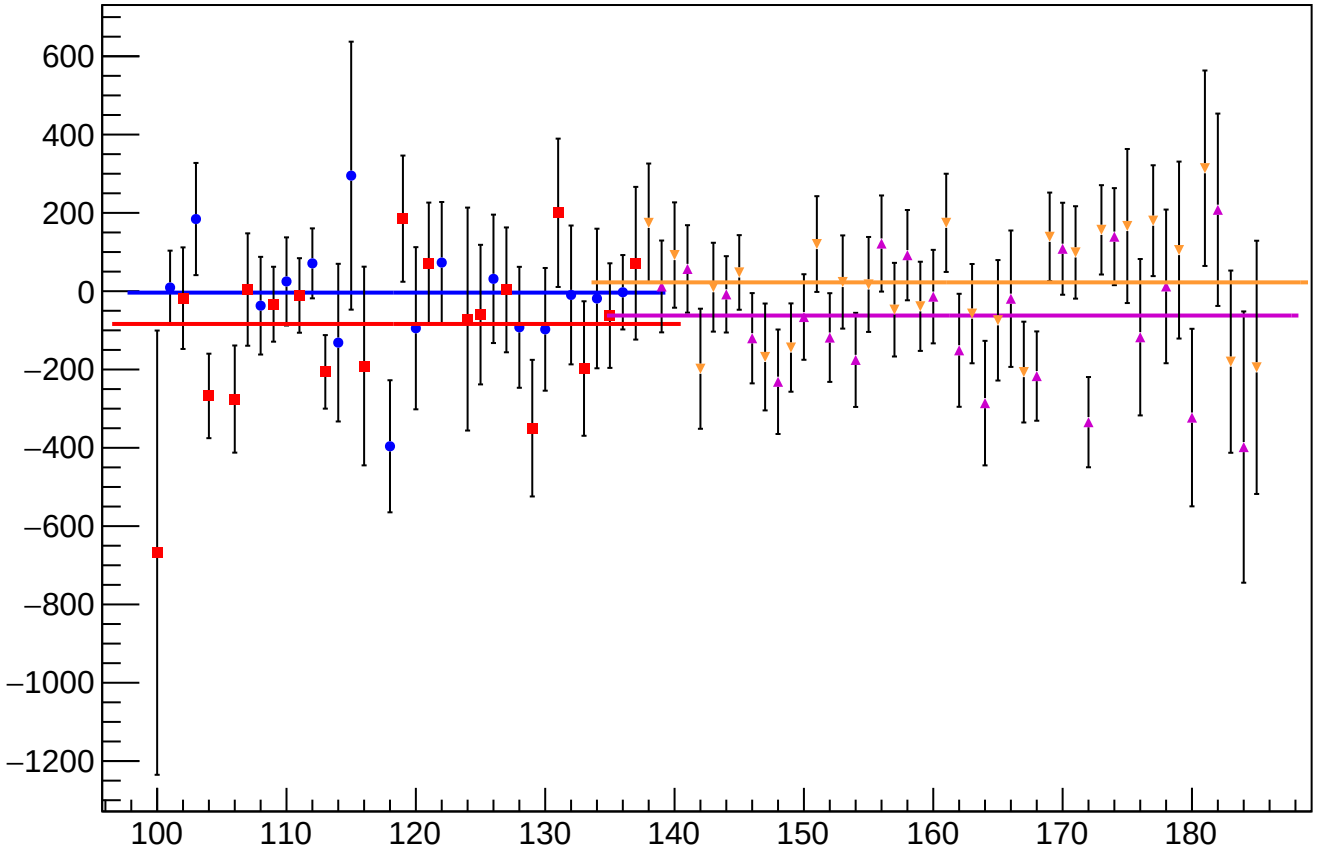
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

\+ sign 684.232+/-0.097 χ^2/NDF: 2657530.8/40

All: 677.774+/-0.068 χ^2/NDF: 5514587.1/82

\- 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: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

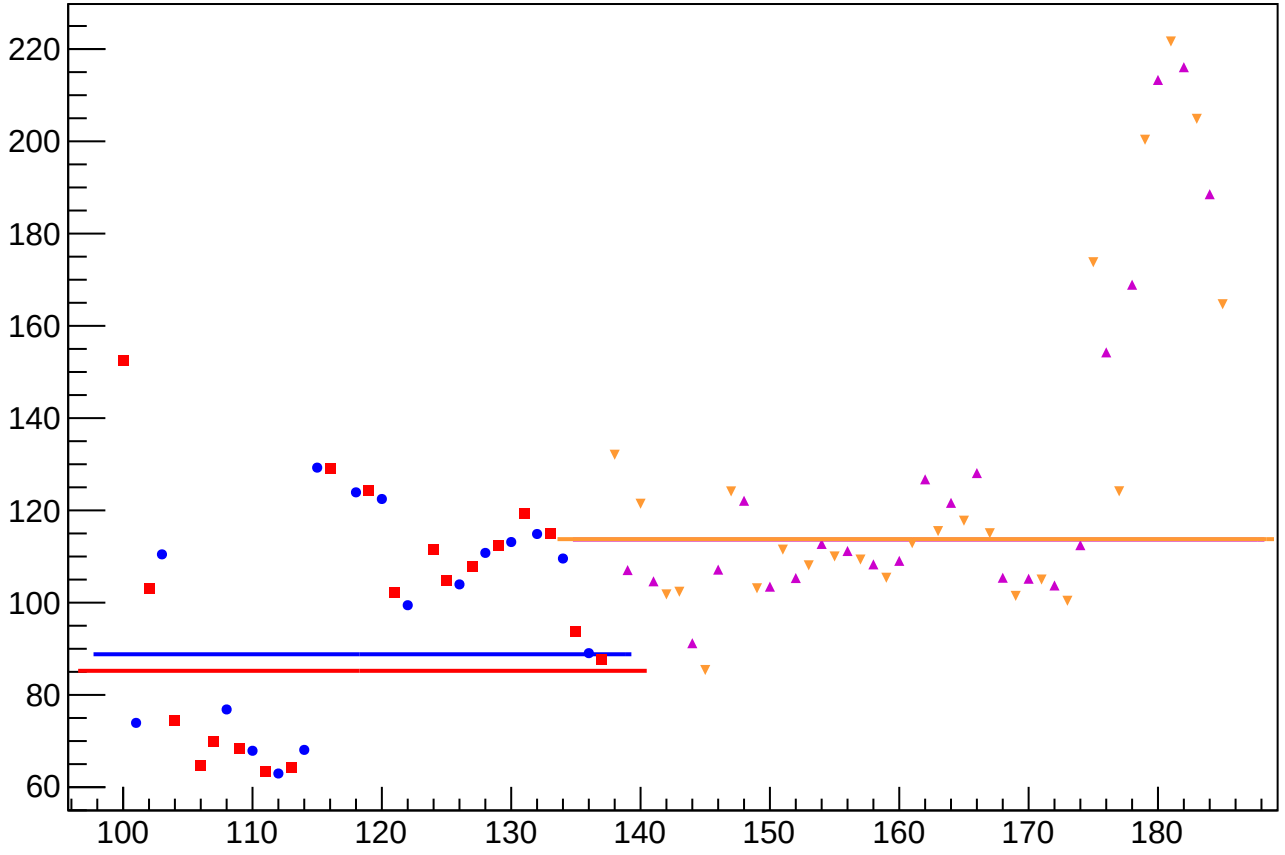
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 12.640+/-21.007 χ^2/NDF: 32.3/40

All: -29.300+/-14.836 χ^2/NDF: 86.9/82

- 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: 113.766+/-0.019 χ^2/NDF:1579910.8/24

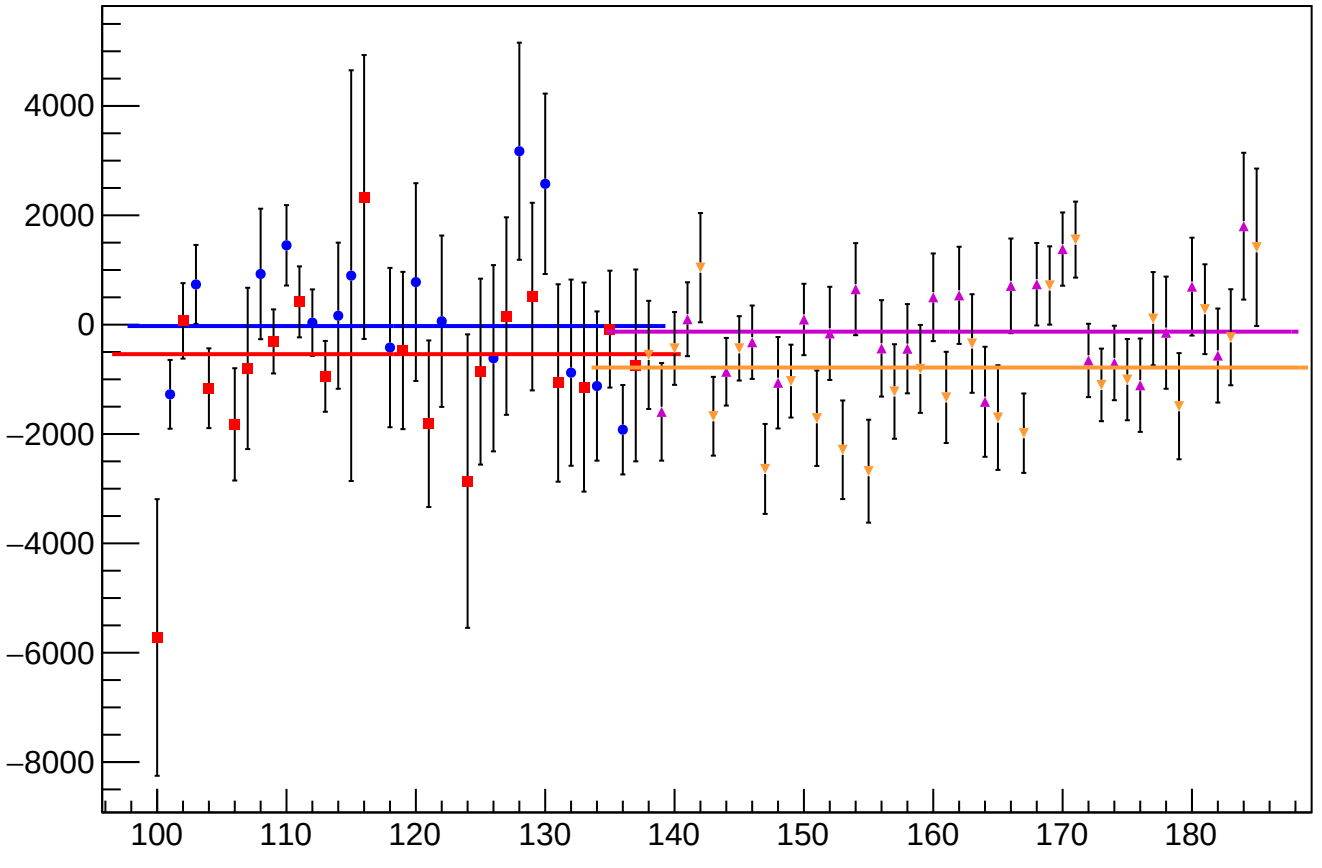
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 104.325+/-0.015 χ^2/NDF: 2968235.1/40

All: 103.131+/-0.010 χ^2/NDF: 6074602.4/82

- 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: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

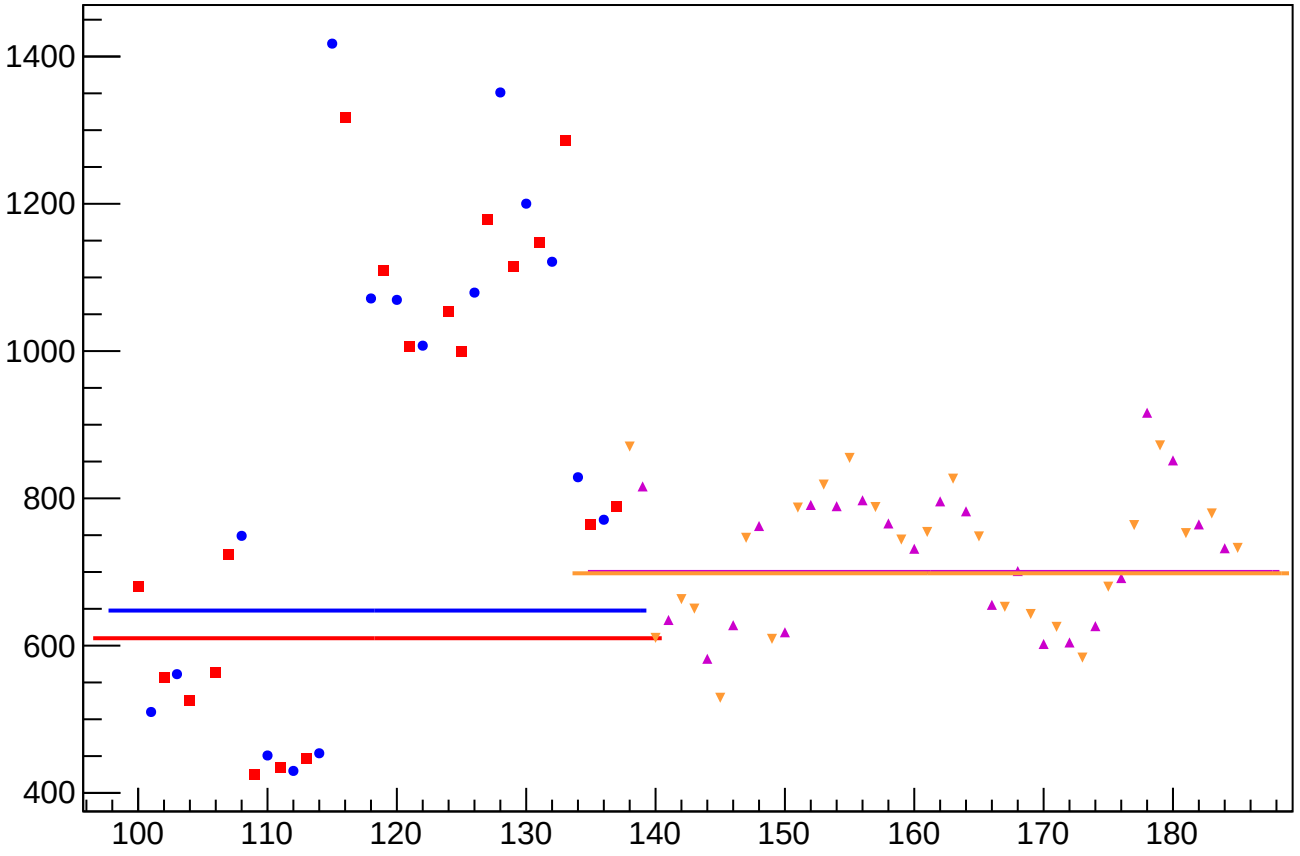
Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -574.328+/-136.475 χ^2/NDF: 73.1/40

All: -416.789+/-96.453 χ^2/NDF: 114.2/82

- sign -259.576+/-136.334 χ^2/NDF: 38.4/41

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

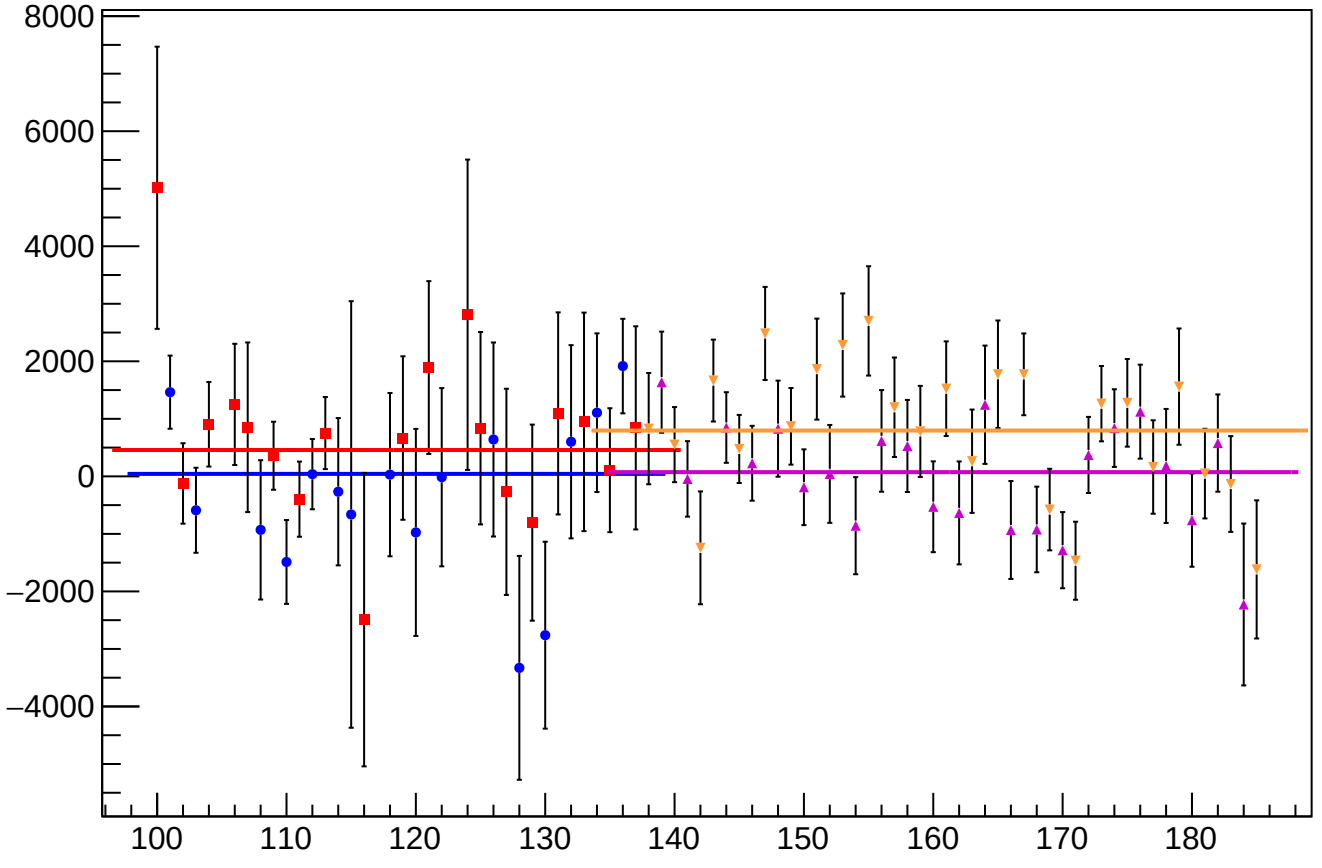
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 684.231+/-0.097 χ^2/NDF: 2657534.0/40

All: 677.773+/-0.068 χ^2/NDF: 5514589.1/82

- 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: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

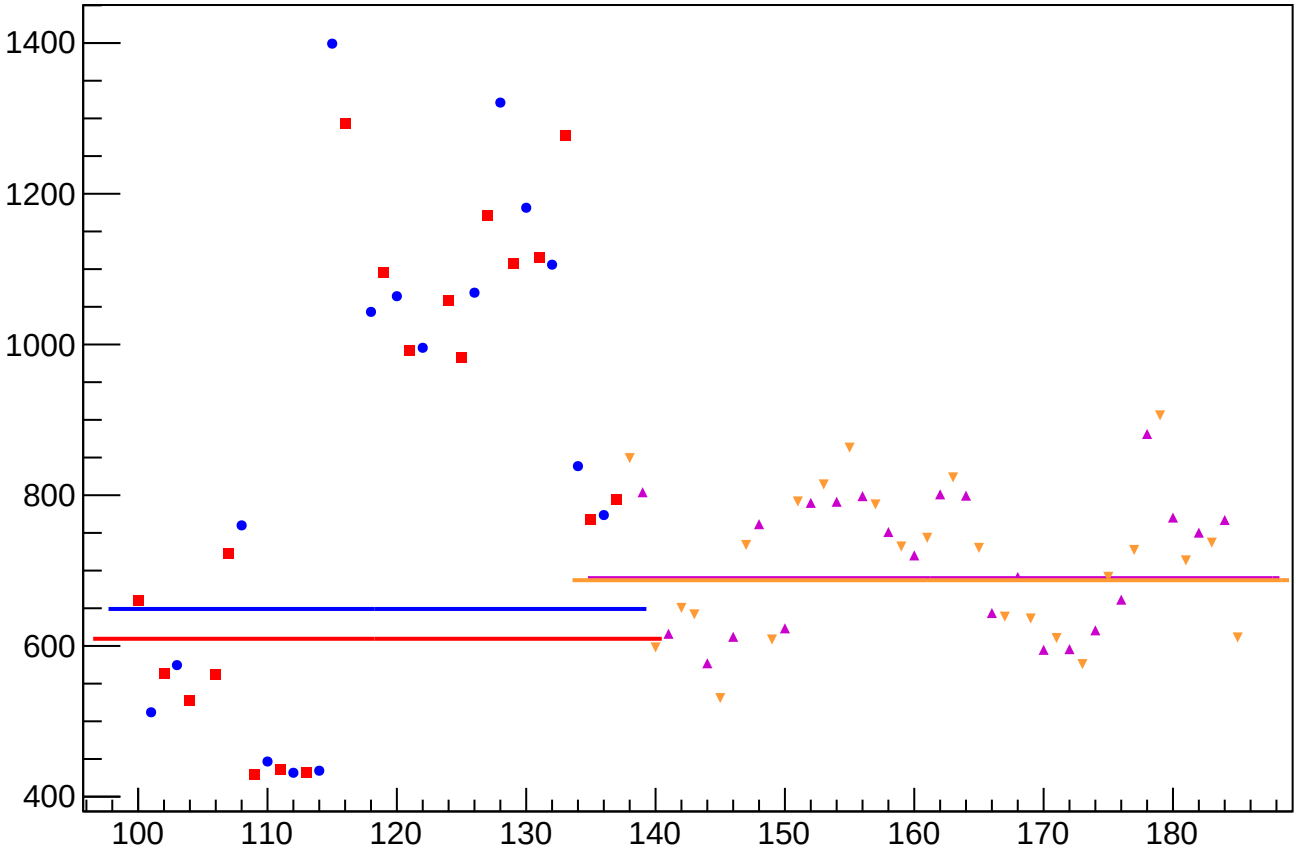
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 593.122+/-135.083 χ^2/NDF: 75.7/40

All: 393.401+/-95.478 χ^2/NDF: 118.0/82

- 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: 687.243+/-0.112 χ^2/NDF:727994.0/24

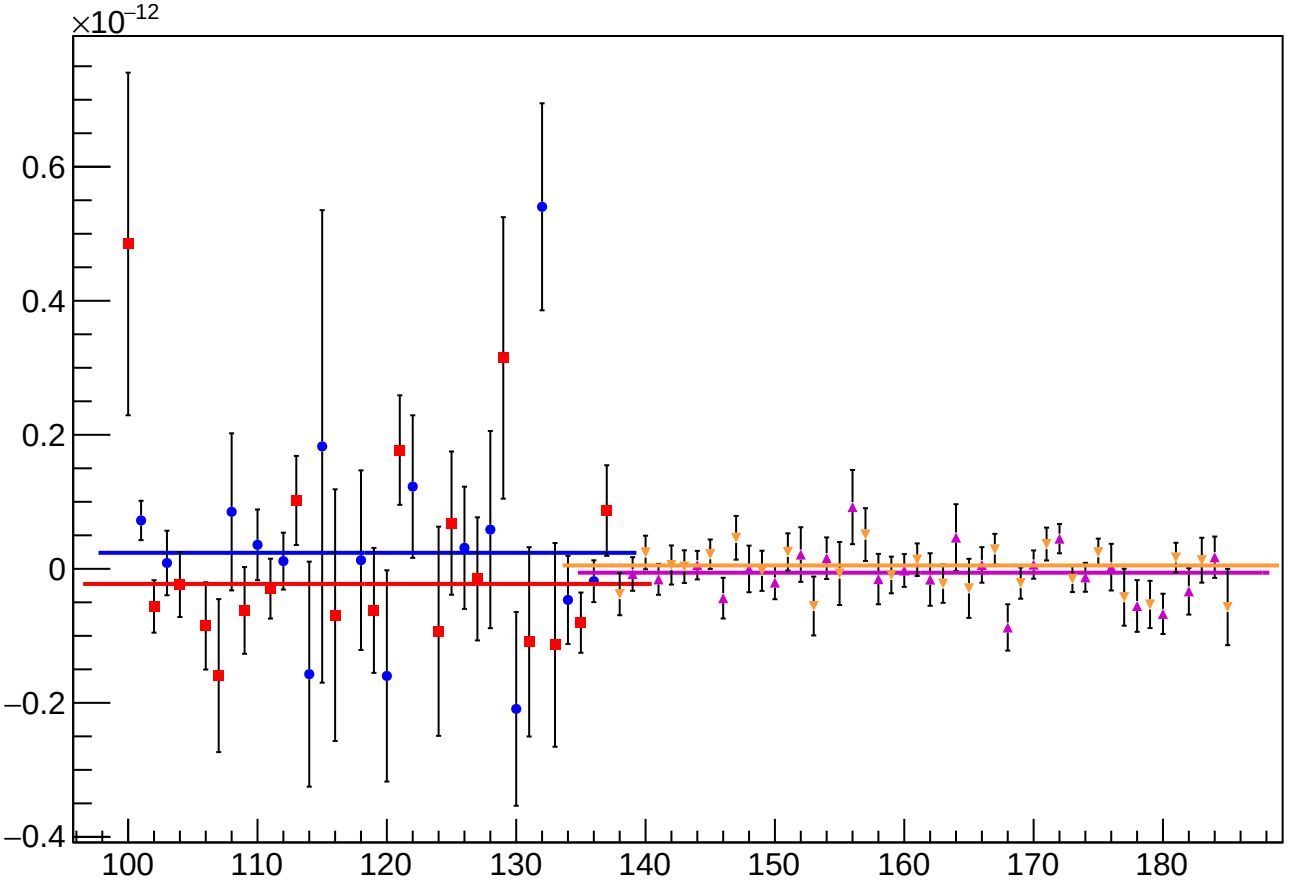
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 676.928+/-0.096 χ^2/NDF: 2605280.8/40

All: 670.848+/-0.068 χ^2/NDF: 5377057.8/82

- 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:22.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

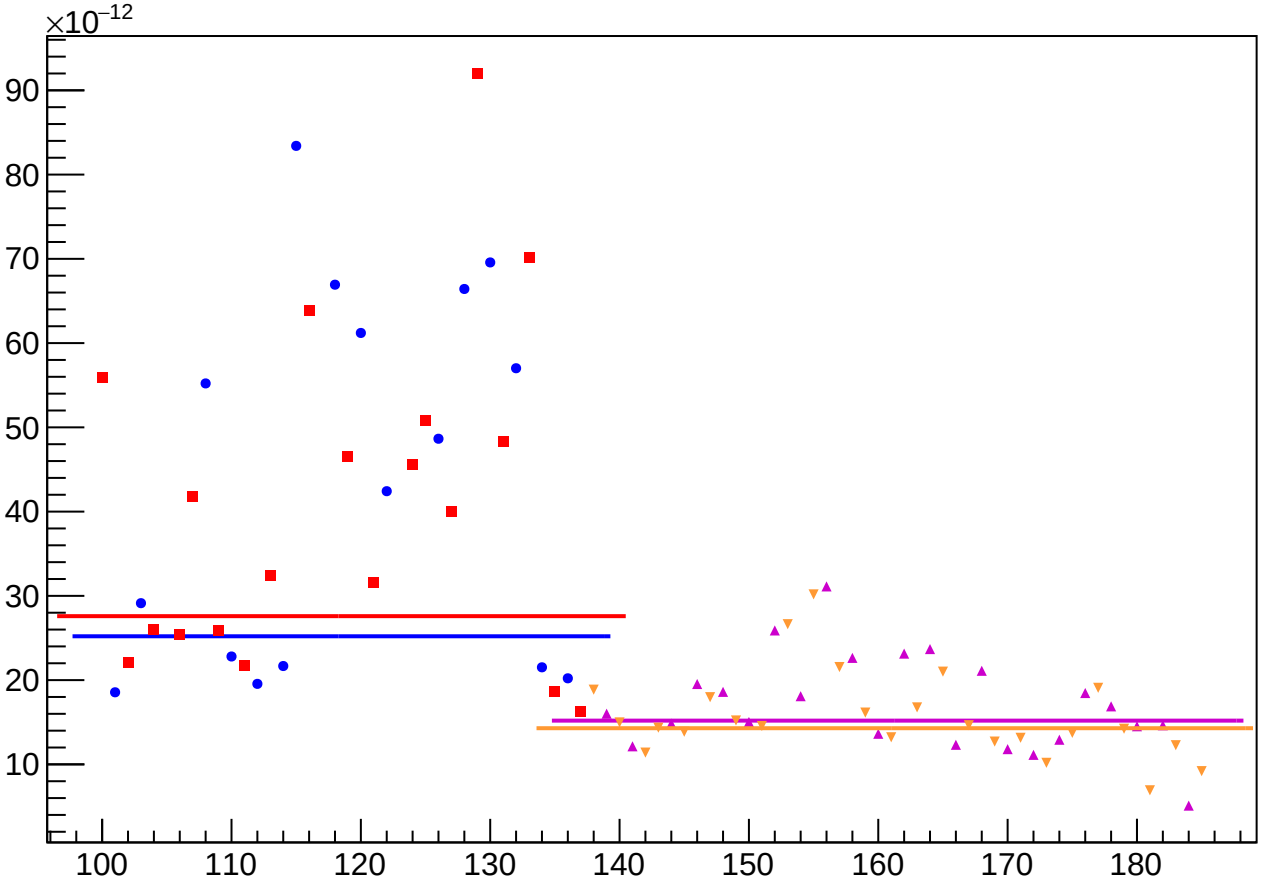
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.0/40

All: 0.000+/-0.000 χ^2/NDF: 103.8/82

- sign -0.000+/-0.000 χ^2/NDF: 53.0/41

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

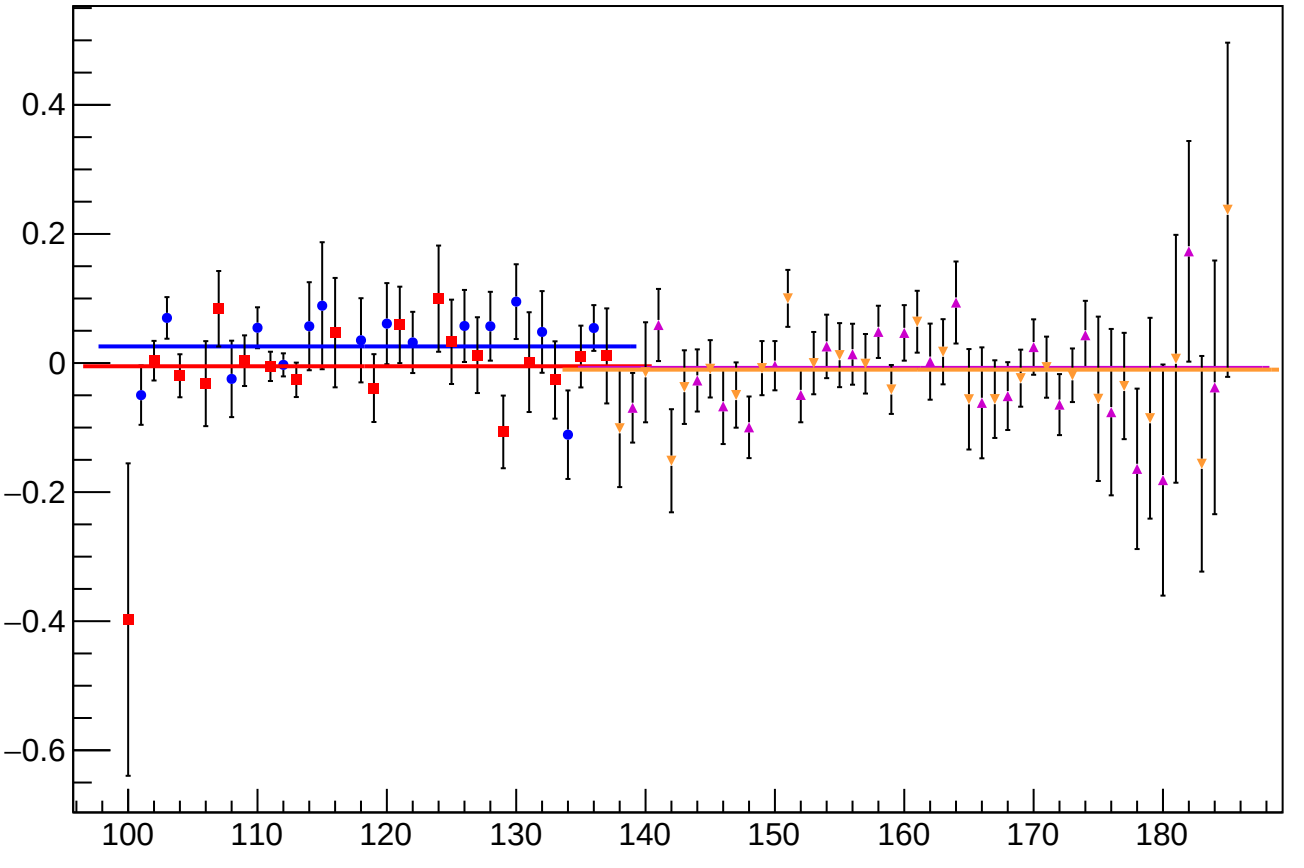
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3212578.7/40

All: 0.000+/-0.000 χ^2/NDF: 6362328.5/82

- sign 0.000+/-0.000 χ^2/NDF: 3110224.7/41



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

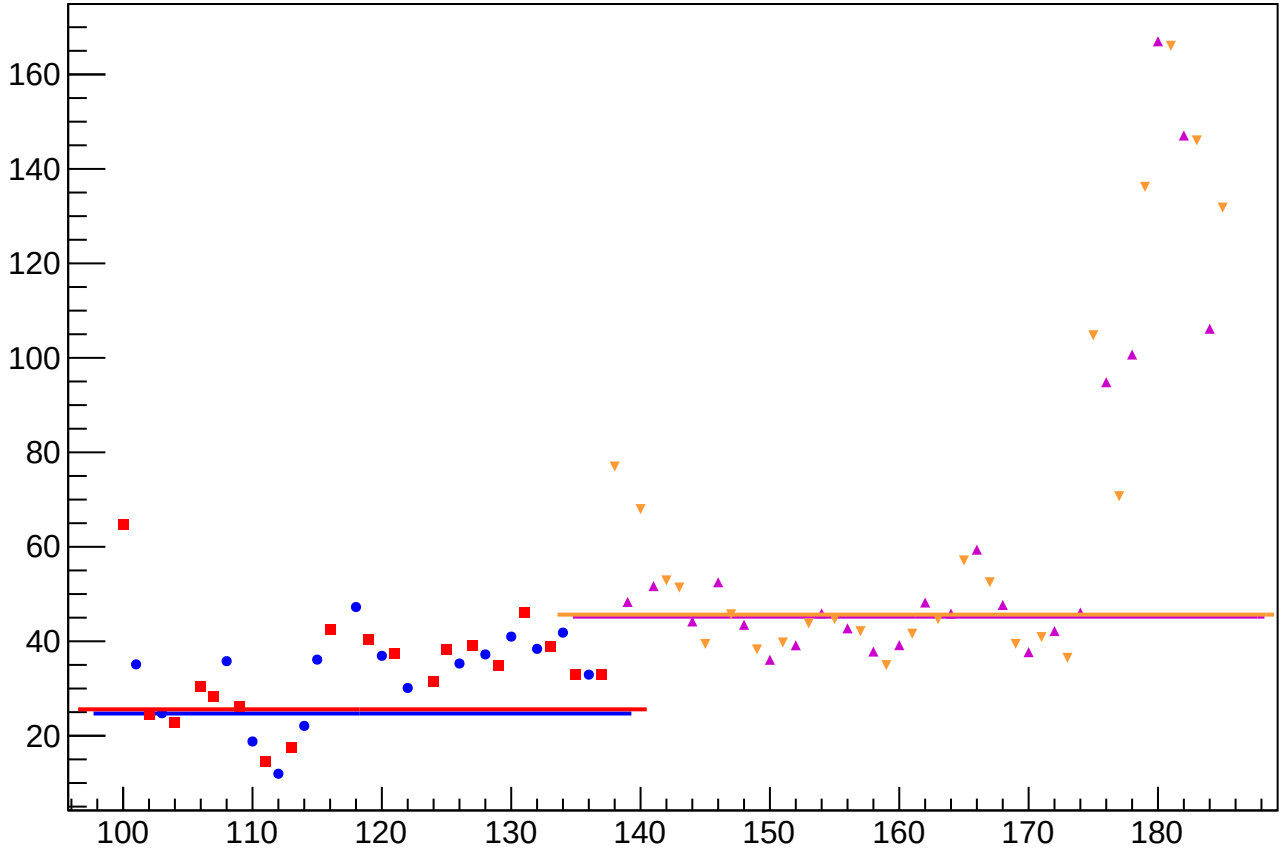
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.1/40

All: 0.002+/-0.005 χ^2/NDF: 79.1/82

- 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: 45.650+/-0.008 χ^2/NDF:4015230.2/24

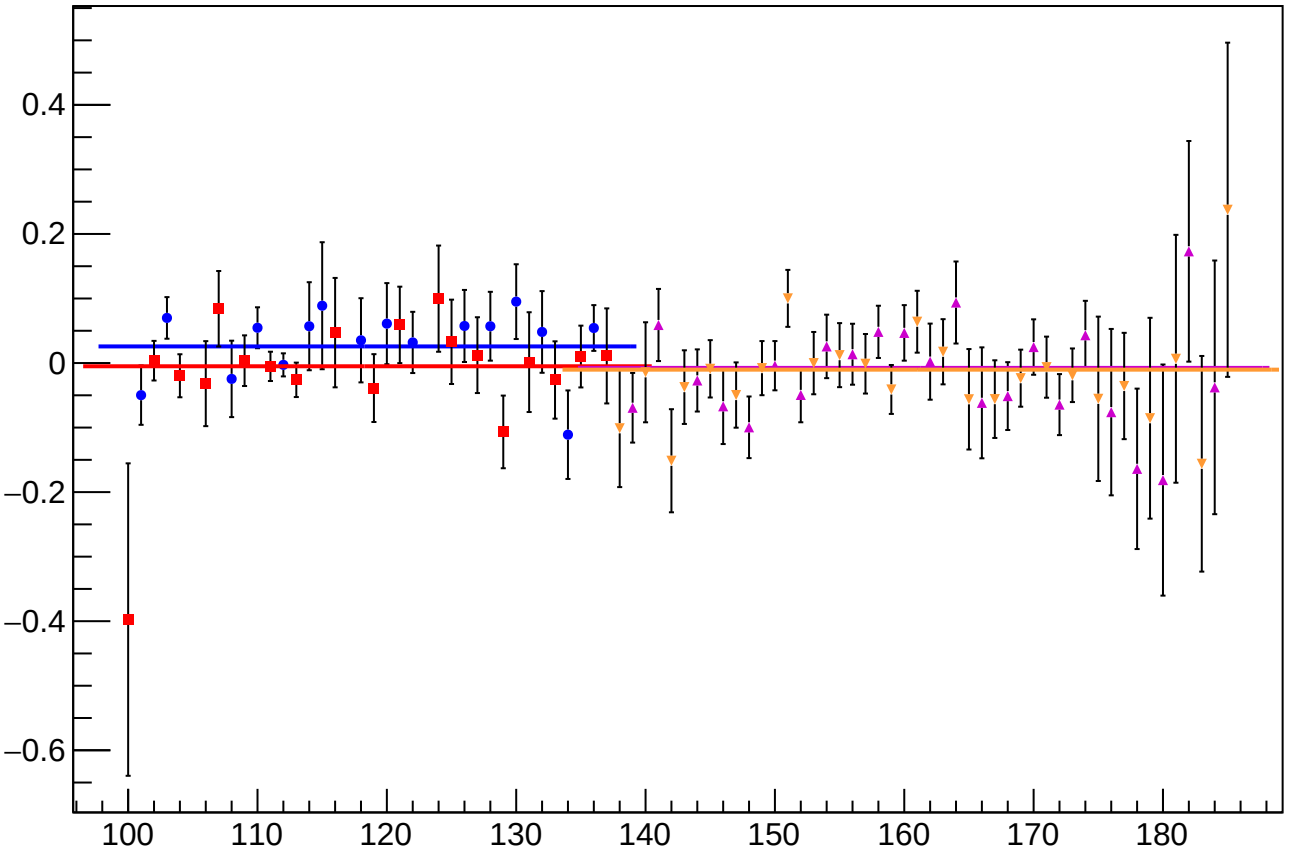
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

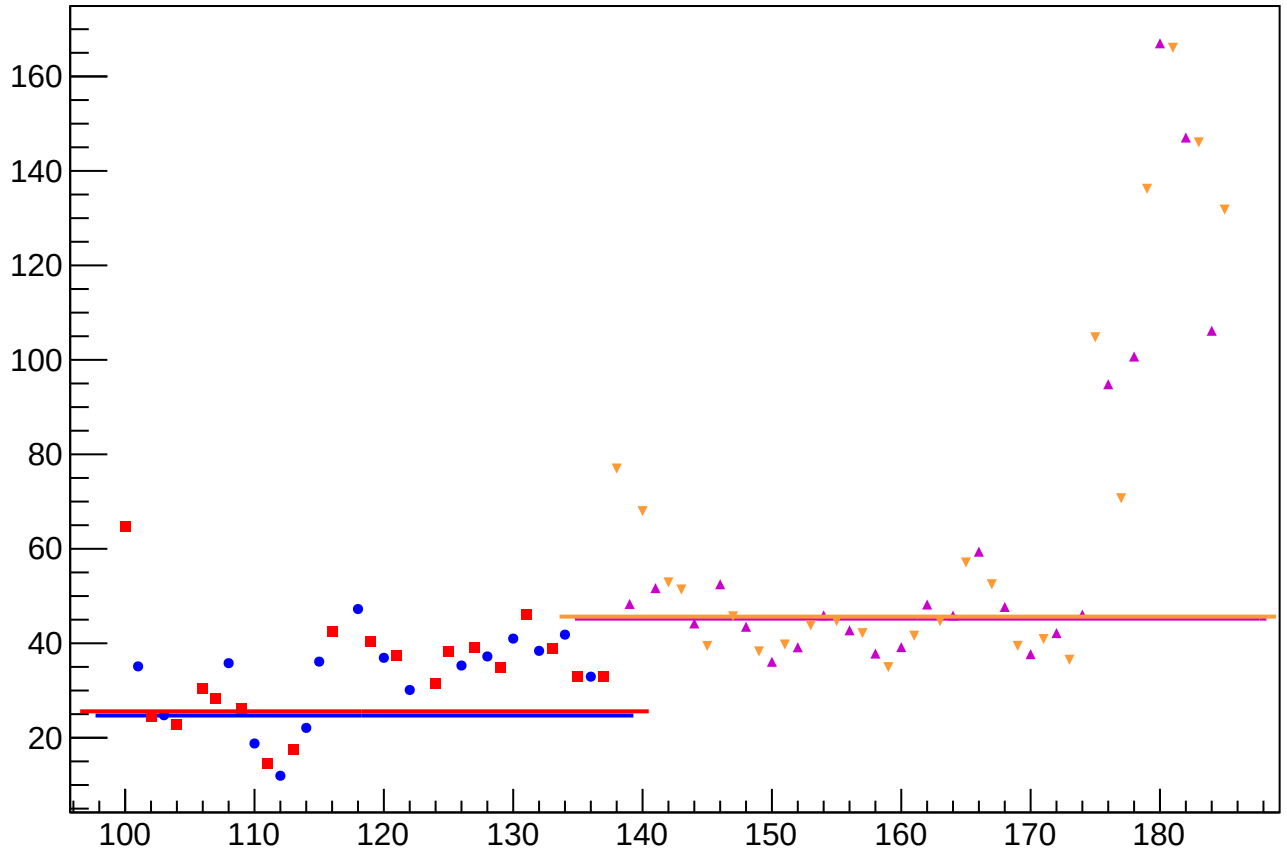
Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

\+ sign 34.294+/-0.005 χ^2/NDF: 10051158.5/40

All: 34.370+/-0.004 χ^2/NDF: 17892232.5/82

\- sign 34.447+/-0.005 χ^2/NDF: 7840674.7/41


asym_sam_1548_avg_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+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.005+/-0.010 χ²/NDF: 13.6/18
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.009+/-0.008 χ²/NDF: 40.1/40
All: 0.002+/-0.005 χ²/NDF: 79.1/82
- sign -0.006+/-0.008 χ²/NDF: 36.9/41



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

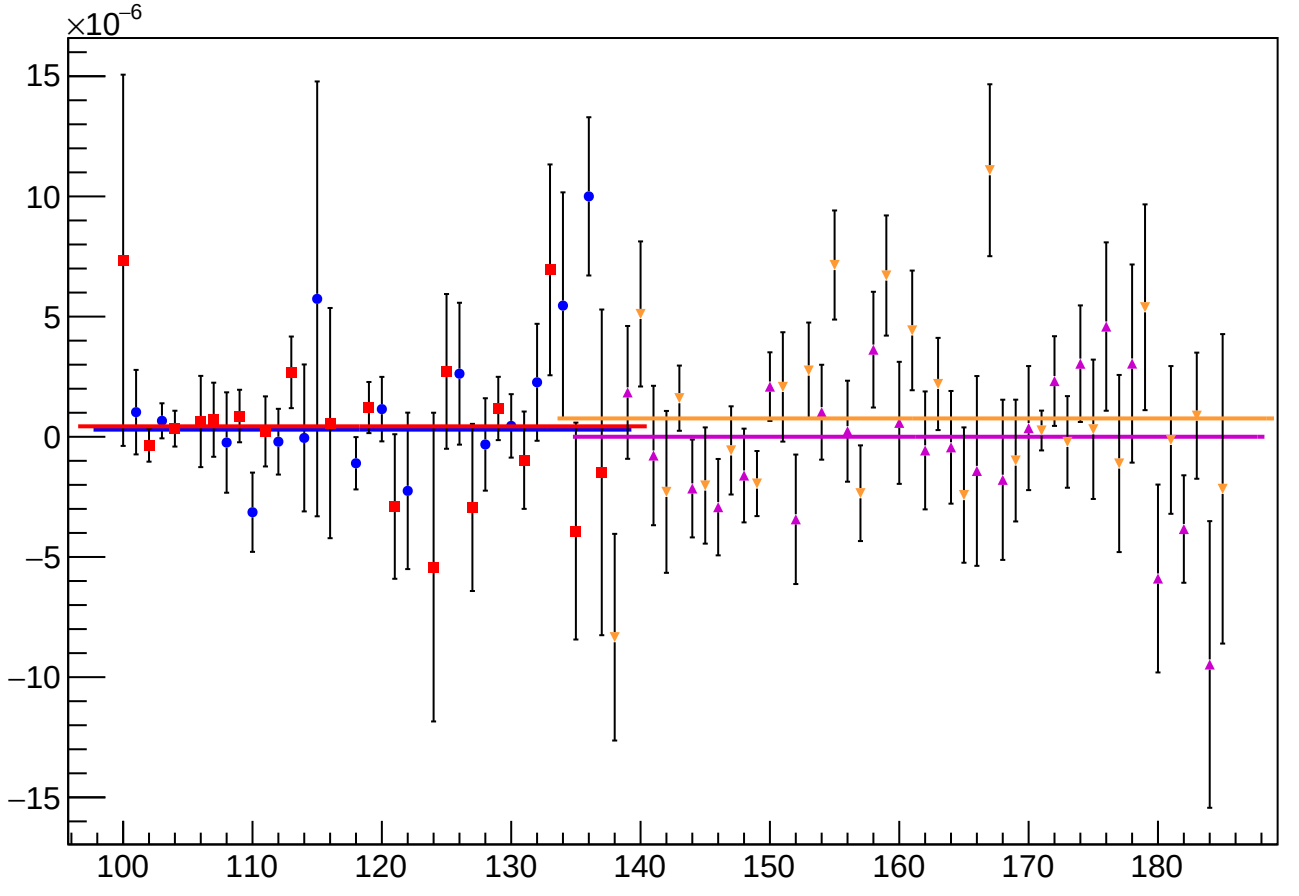
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.294+/-0.005 χ^2/NDF: 10051158.5/40

All: 34.370+/-0.004 χ^2/NDF: 17892232.5/82

- 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:46.2/24

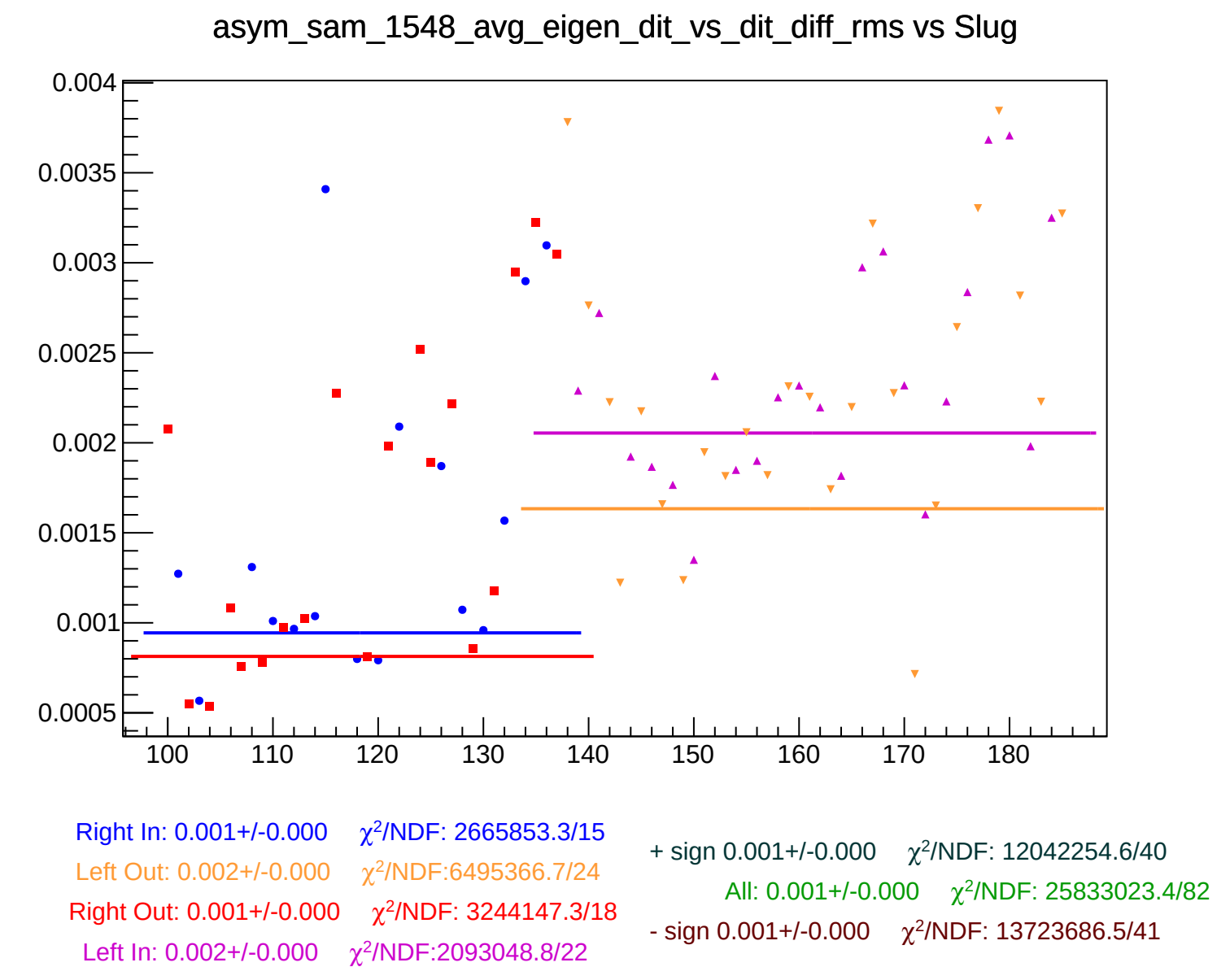
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

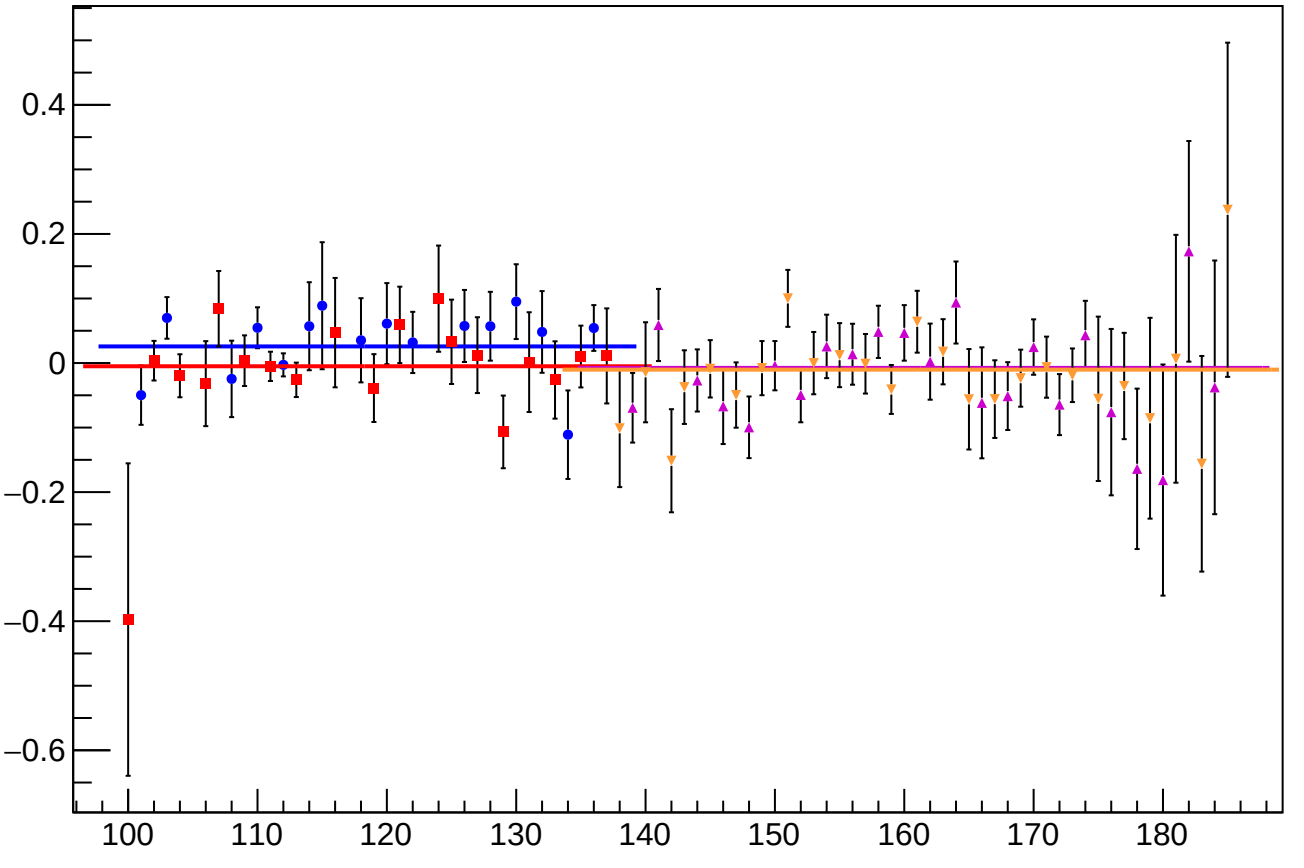
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.1/40

All: 0.000+/-0.000 χ^2/NDF: 104.1/82

- 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
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: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:6495366.7/24
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: 12042254.6/40
All: 0.001+/-0.000 χ²/NDF: 25833023.4/82
- sign 0.001+/-0.000 χ²/NDF: 13723686.5/41



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

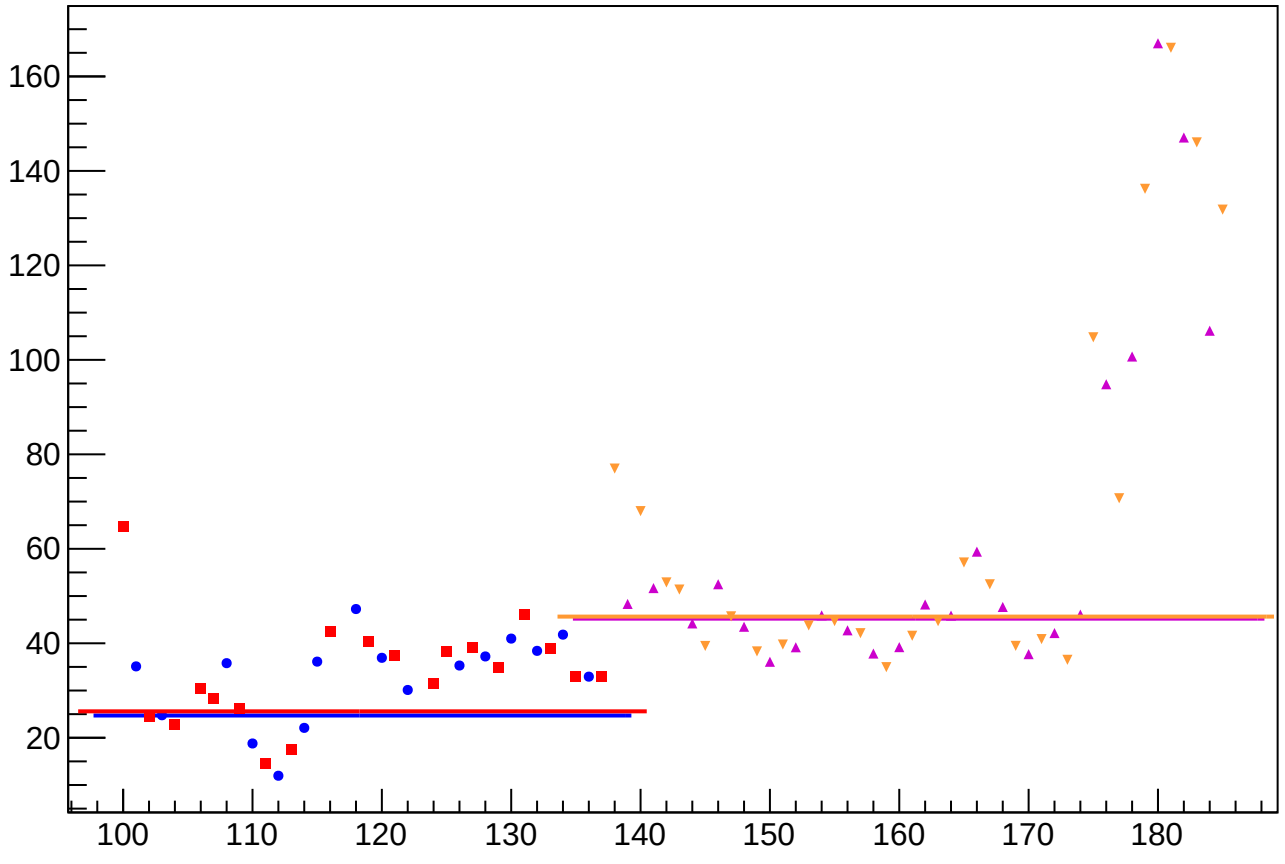
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.1/40

All: 0.002+/-0.005 χ^2/NDF: 79.1/82

- 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: 45.651+/-0.008 χ^2/NDF:4015154.4/24

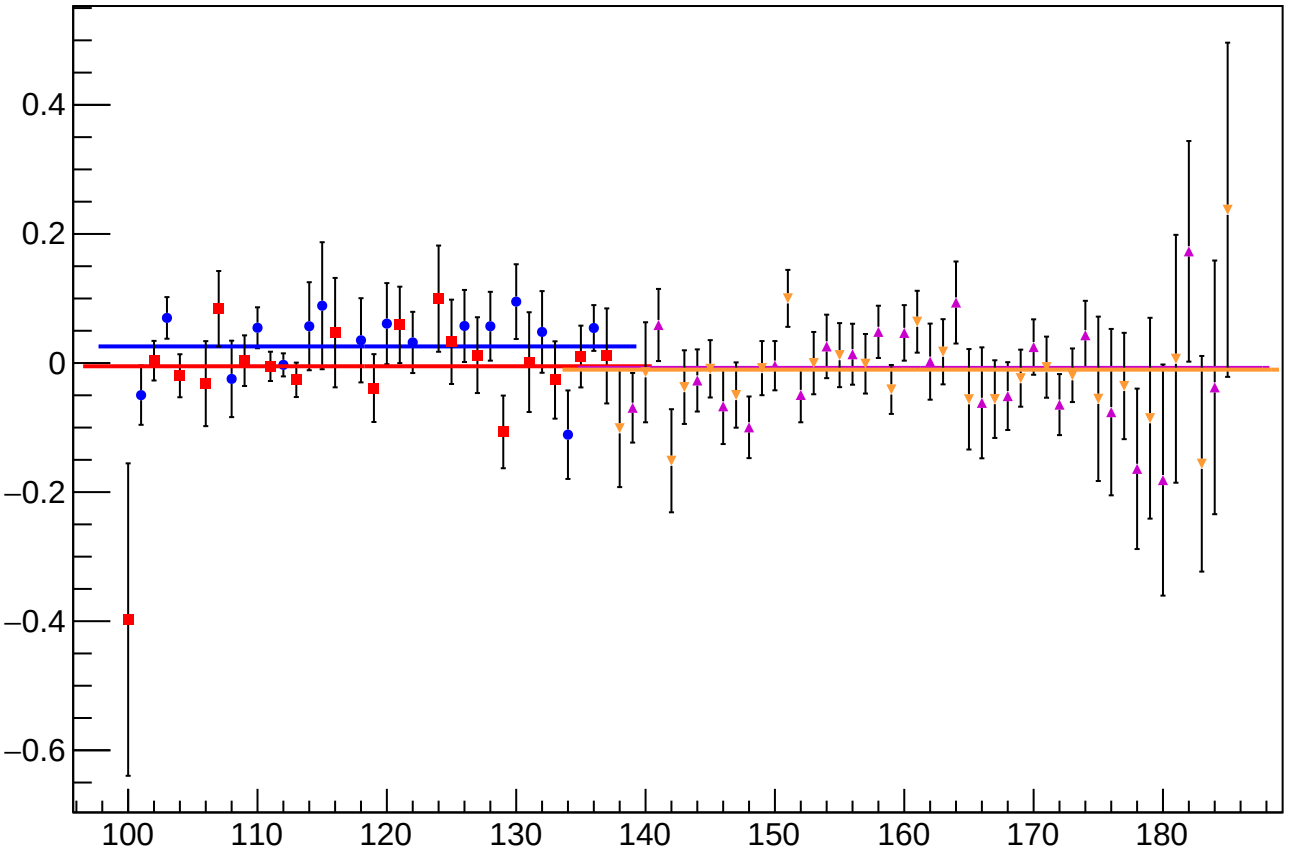
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.294+/-0.005 χ^2/NDF: 10051619.4/40

All: 34.370+/-0.004 χ^2/NDF: 17893040.5/82

- 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: -0.010+/-0.011 χ^2/NDF:18.1/24

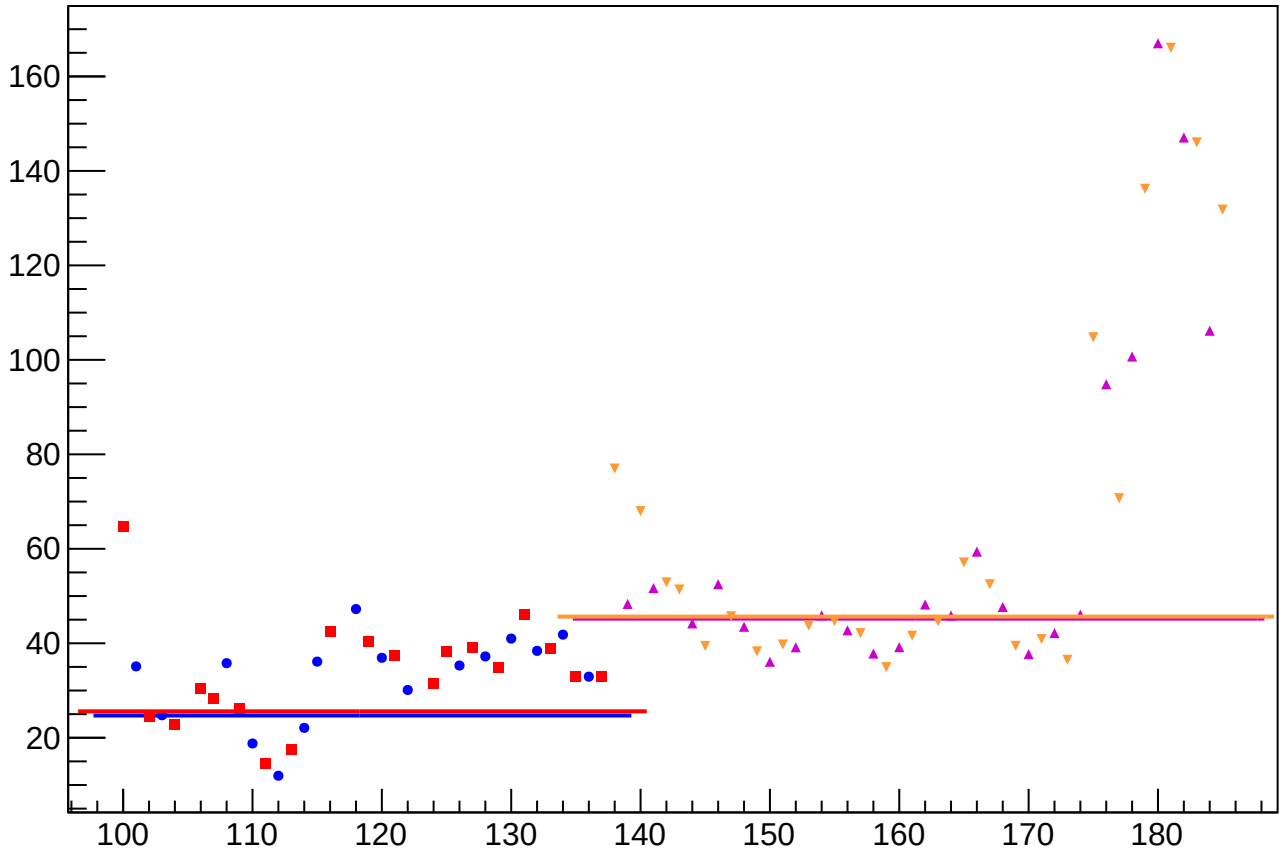
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.1/40

All: 0.002+/-0.005 χ^2/NDF: 79.1/82

- 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: 45.651+/-0.008 χ^2/NDF:4015154.4/24

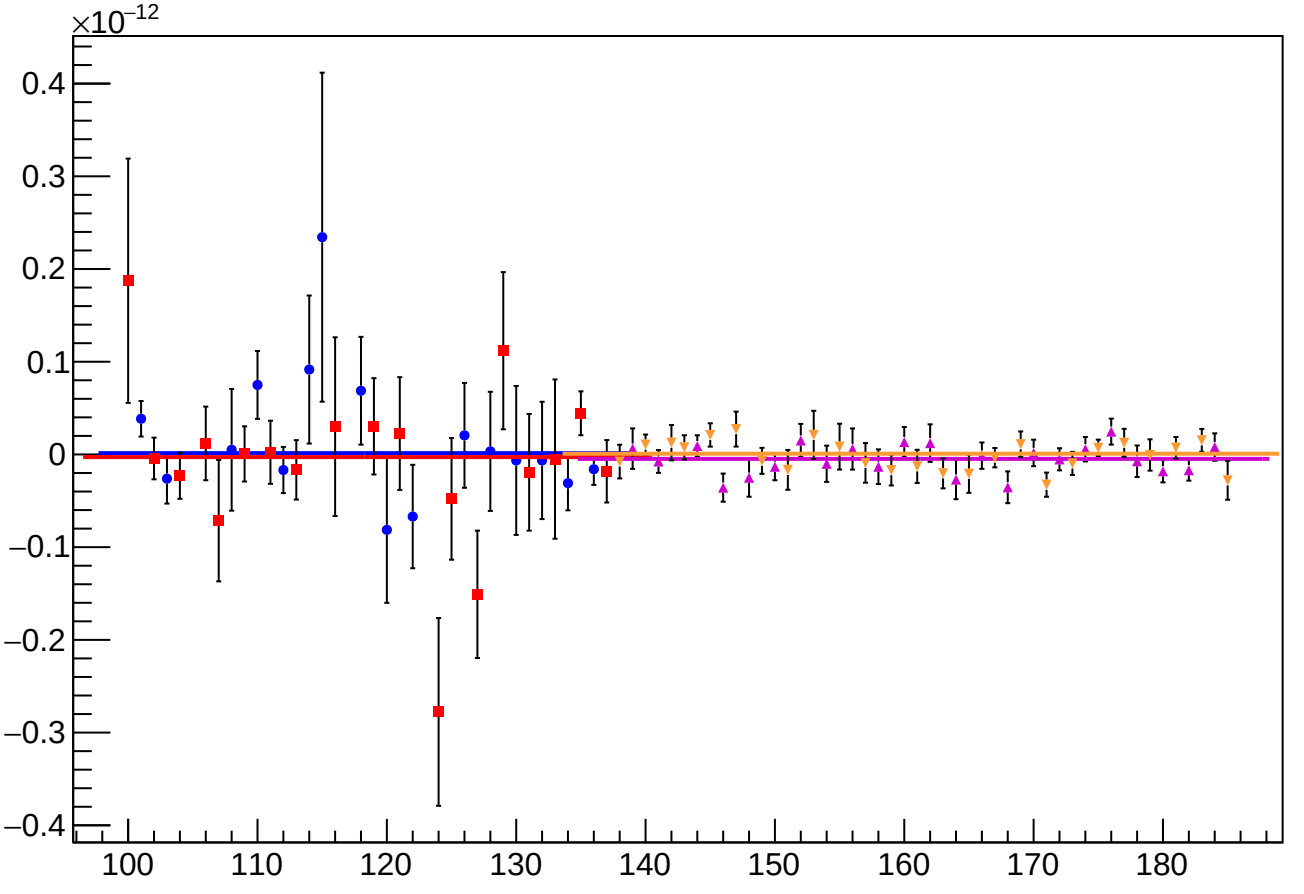
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.294+/-0.005 χ^2/NDF: 10051619.4/40

All: 34.370+/-0.004 χ^2/NDF: 17893040.5/82

- 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:25.4/24

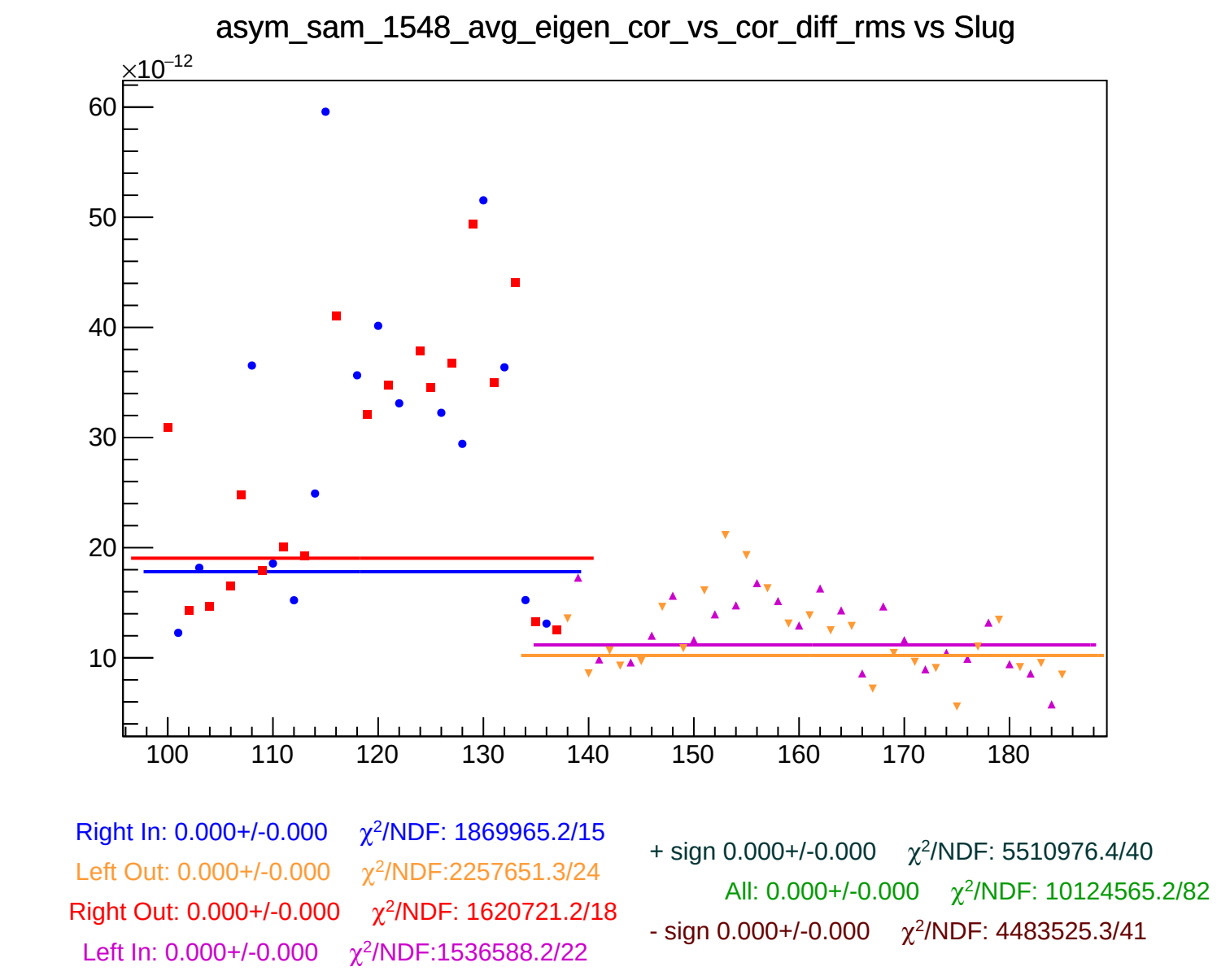
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

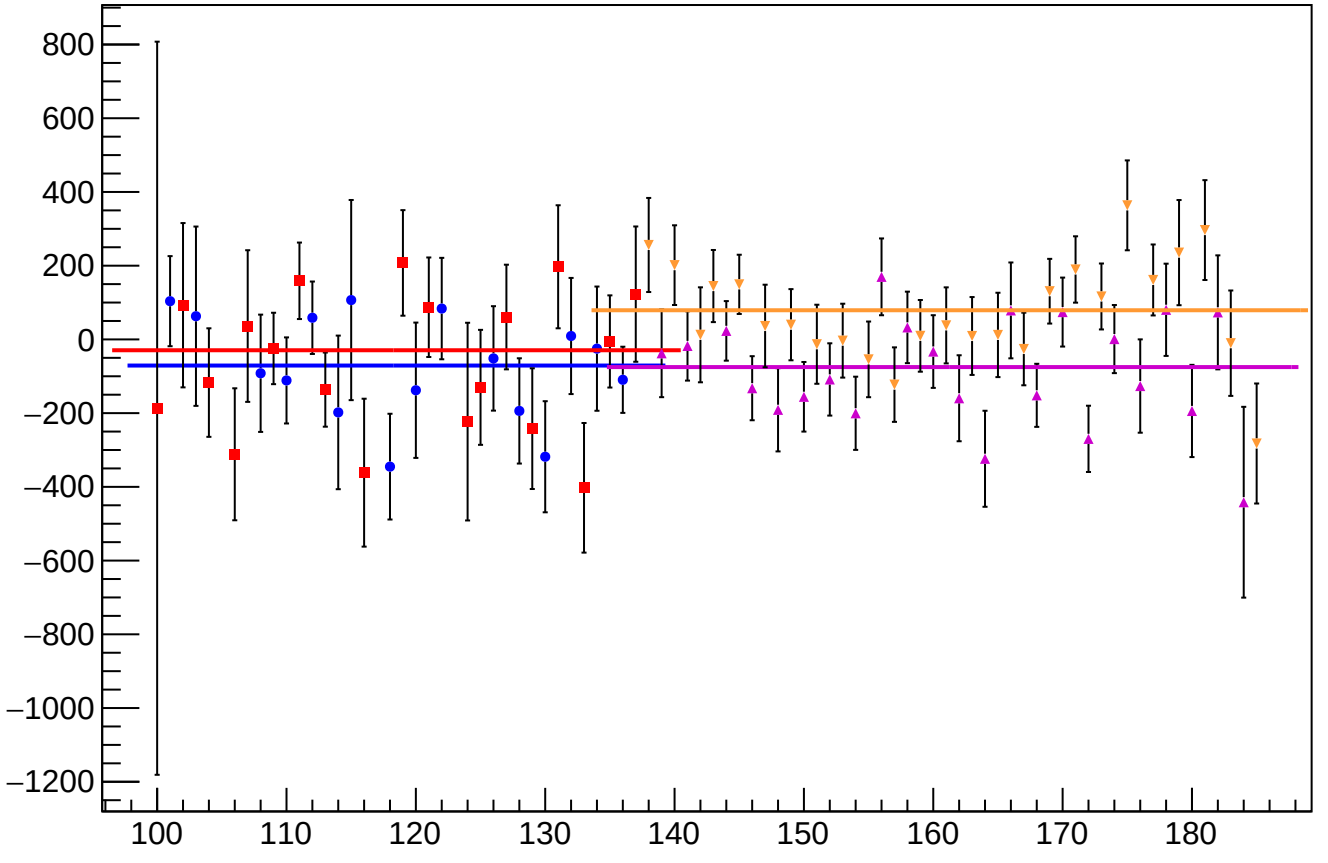
+ sign 0.000+/-0.000 χ^2/NDF: 44.1/40

All: -0.000+/-0.000 χ^2/NDF: 93.1/82

- sign -0.000+/-0.000 χ^2/NDF: 47.2/41


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2257651.3/24
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: 5510976.4/40
All: 0.000+/-0.000 χ²/NDF: 10124565.2/82
- 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: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

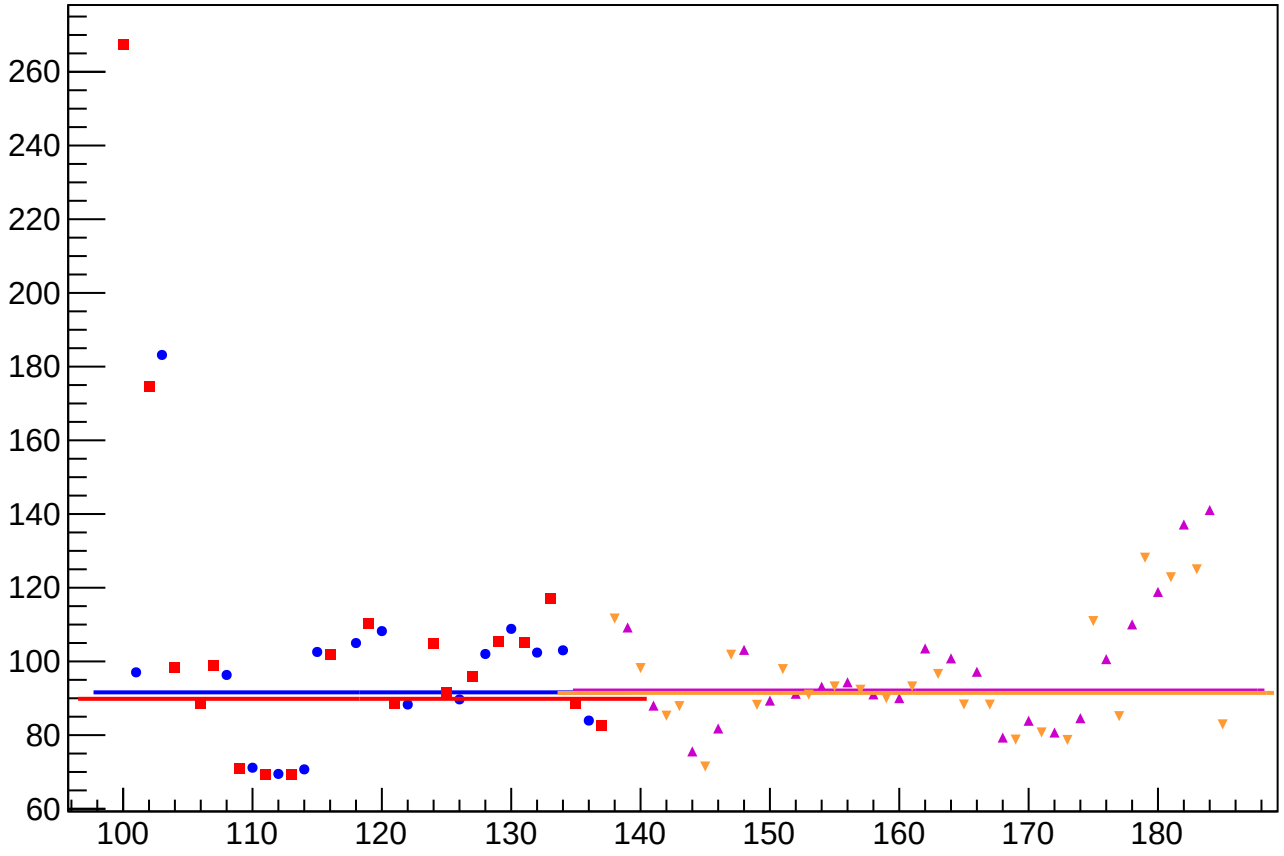
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 39.315+/-18.088 χ^2/NDF: 59.4/40

All: -10.374+/-12.903 χ^2/NDF: 132.7/82

- 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: 91.462+/-0.015 χ^2/NDF:751213.9/24

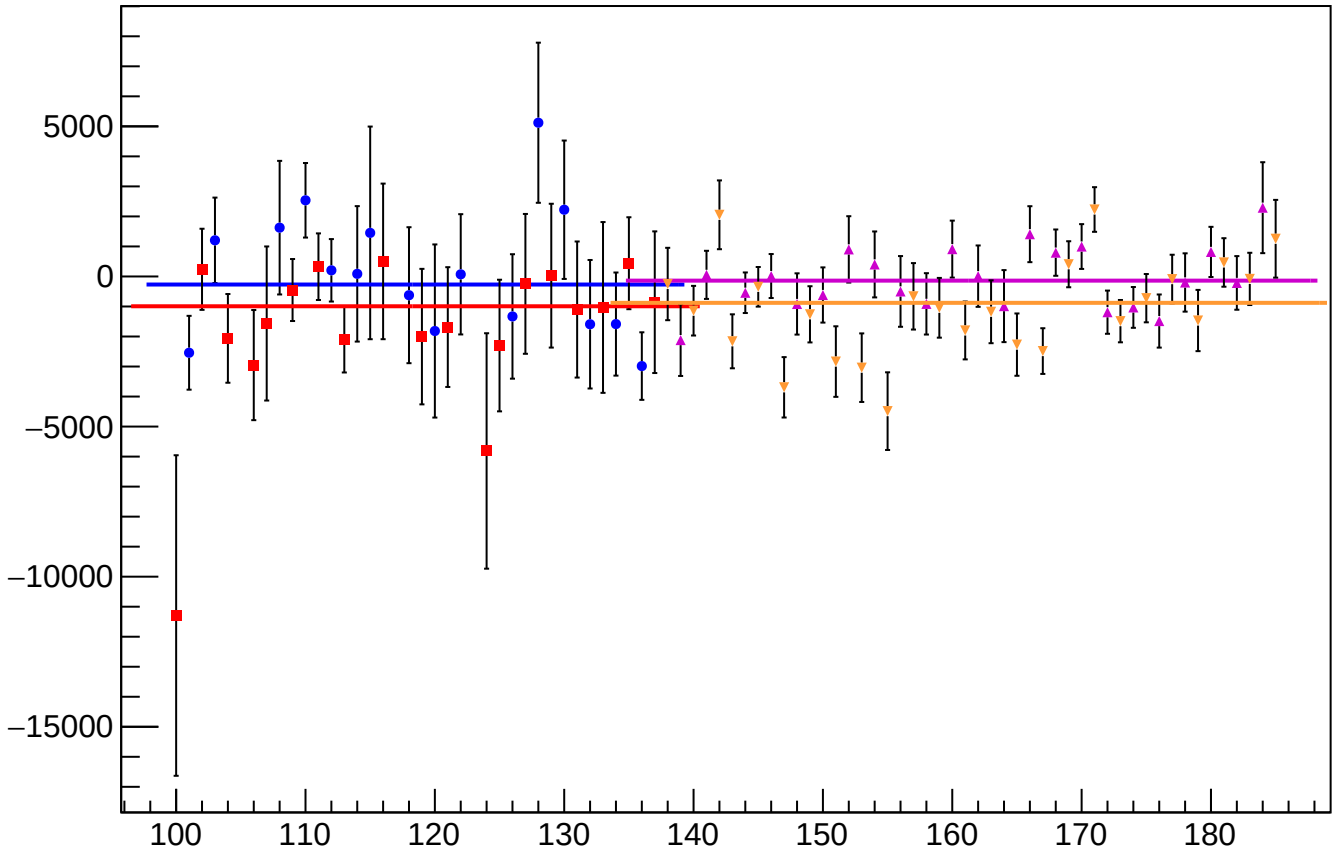
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.500+/-0.013 χ^2/NDF: 1331912.2/40

All: 91.476+/-0.009 χ^2/NDF: 2783915.2/82

- 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: -878.463+/-182.188 χ^2/NDF:67.7/24

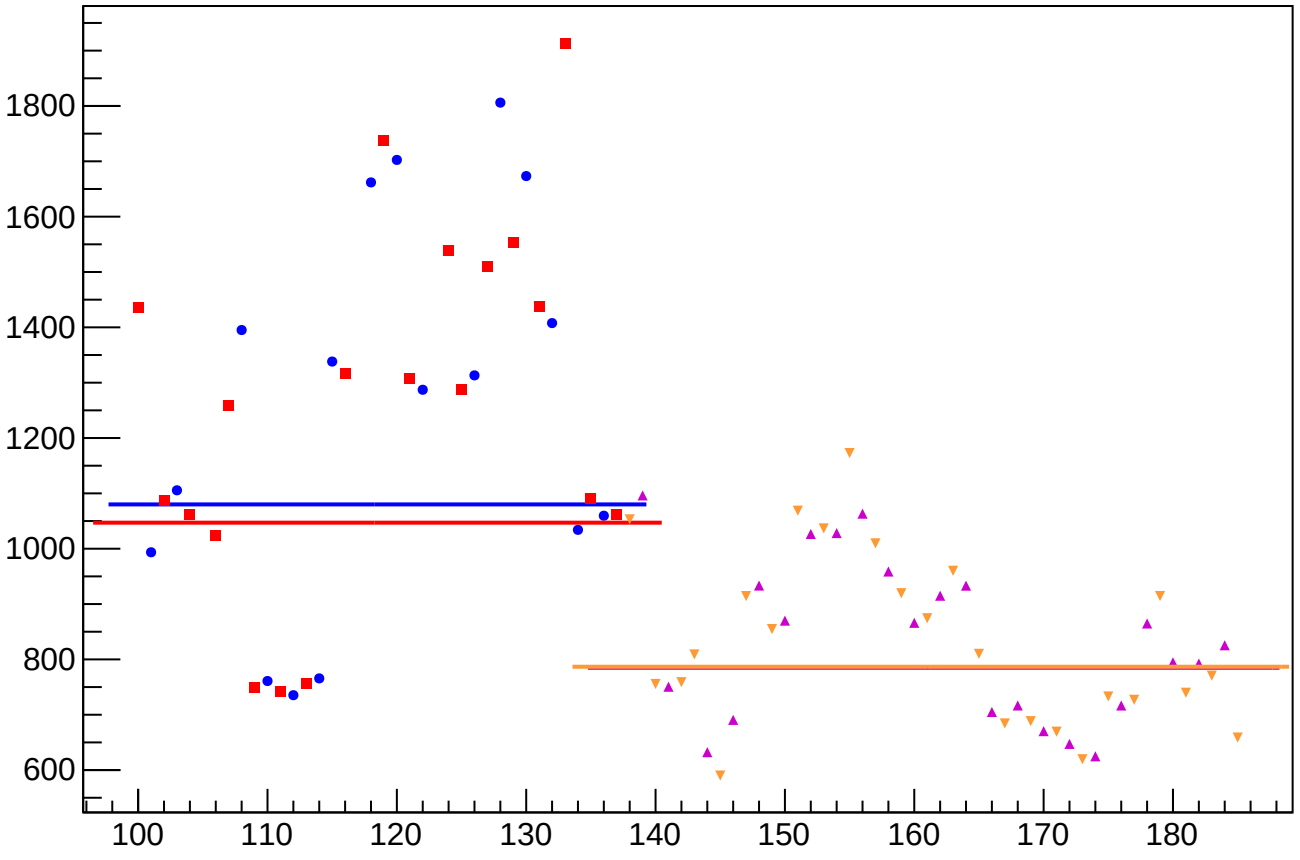
Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -781.699+/-167.113 χ^2/NDF: 92.9/40

All: -539.218+/-118.879 χ^2/NDF: 137.8/82

- 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: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

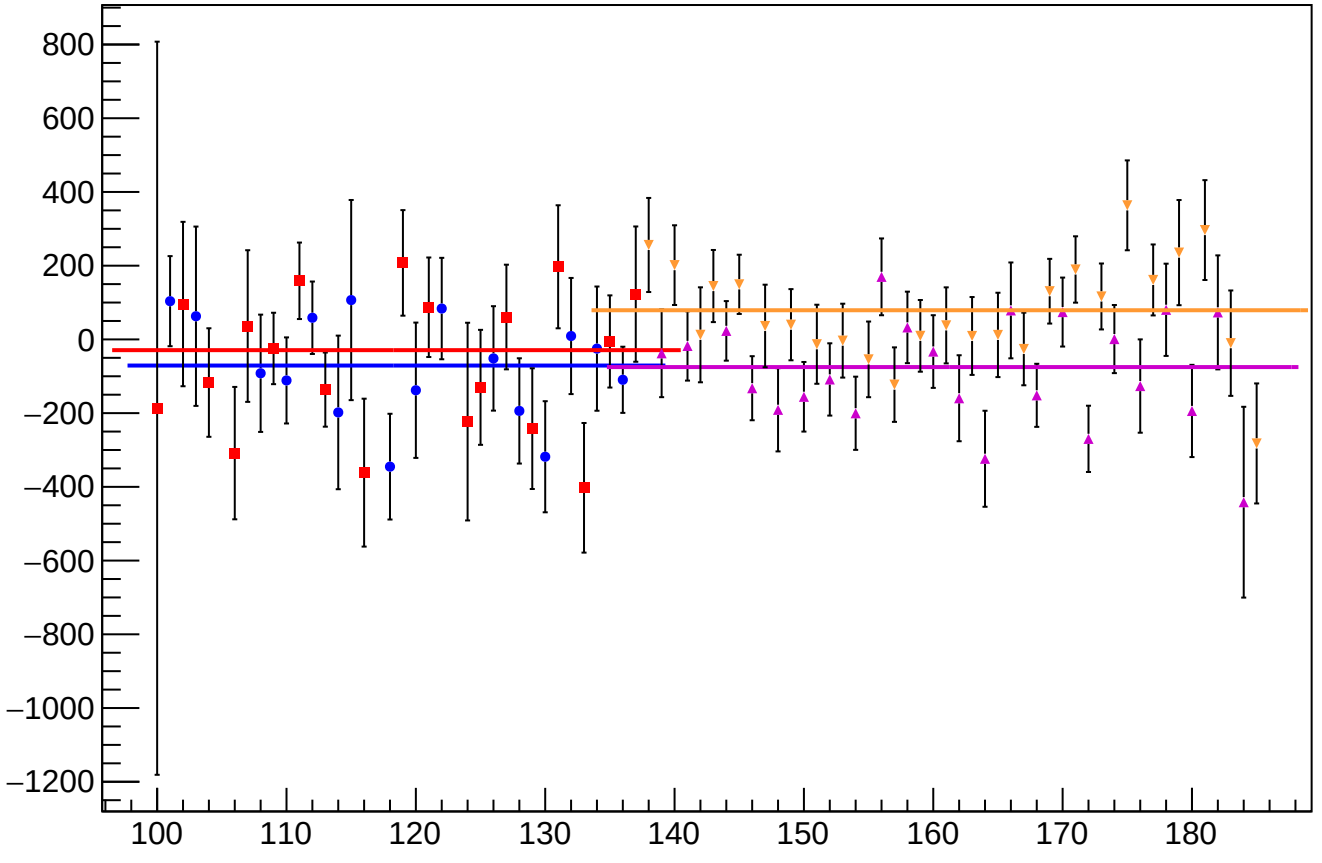
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 833.284+/-0.118 χ^2/NDF: 3086556.6/40

All: 832.419+/-0.084 χ^2/NDF: 6052665.4/82

- 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: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

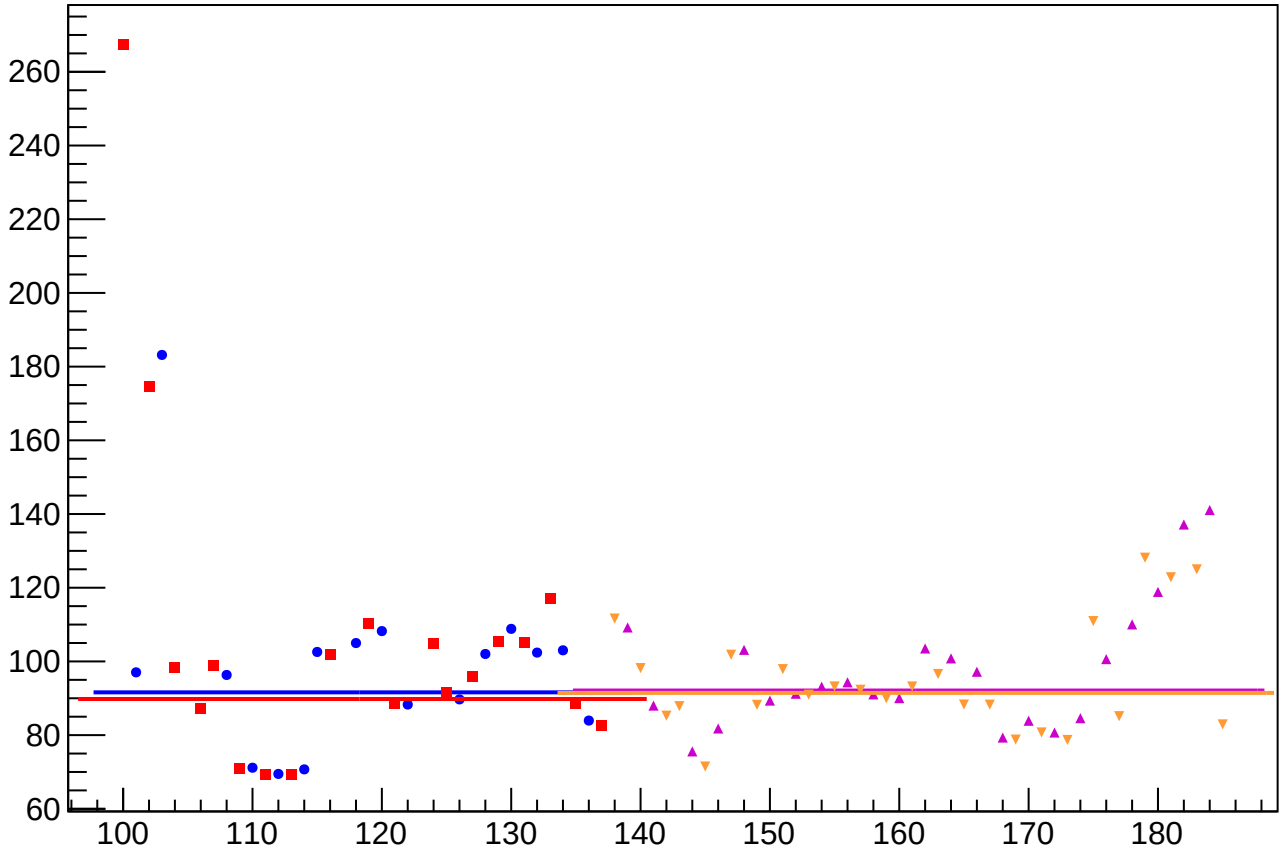
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 39.318+/-18.088 χ^2/NDF: 59.4/40

All: -10.336+/-12.903 χ^2/NDF: 132.7/82

- 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: 91.462+/-0.015 χ^2/NDF:751213.9/24

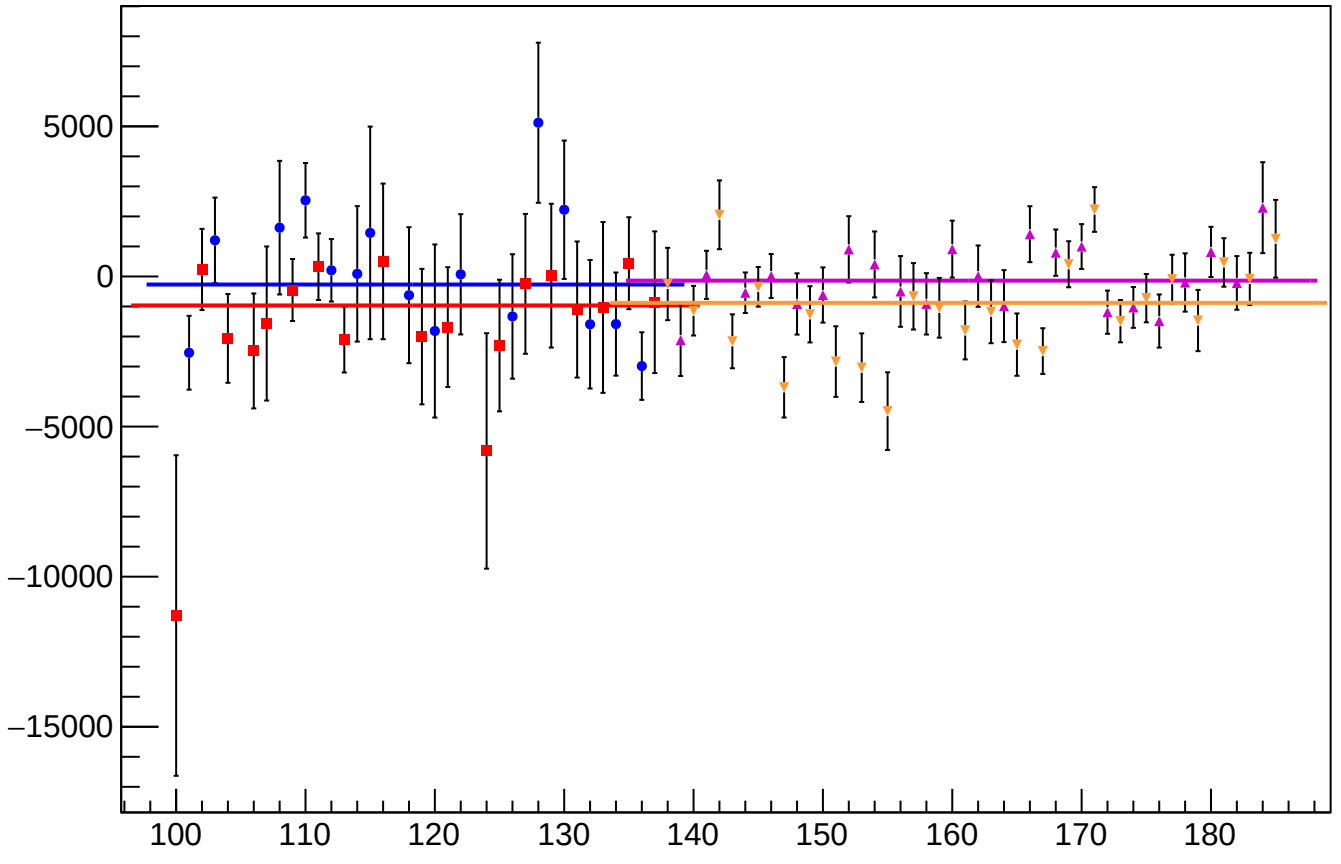
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.500+/-0.013 χ^2/NDF: 1331915.3/40

All: 91.470+/-0.009 χ^2/NDF: 2784727.4/82

- 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: -878.453+/-182.188 χ^2/NDF:67.7/24

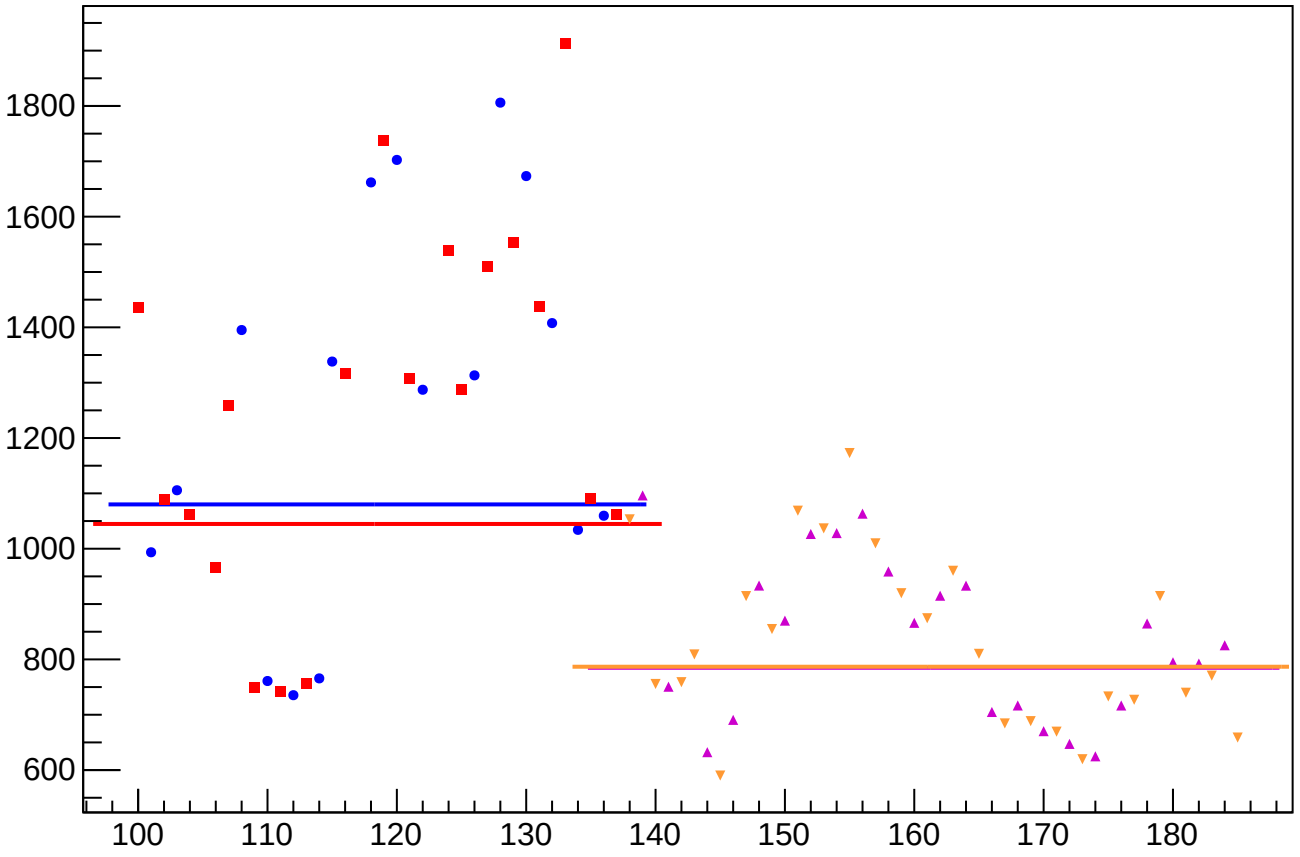
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -781.696+/-167.114 χ^2/NDF: 92.9/40

All: -536.630+/-118.901 χ^2/NDF: 137.1/82

- 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: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

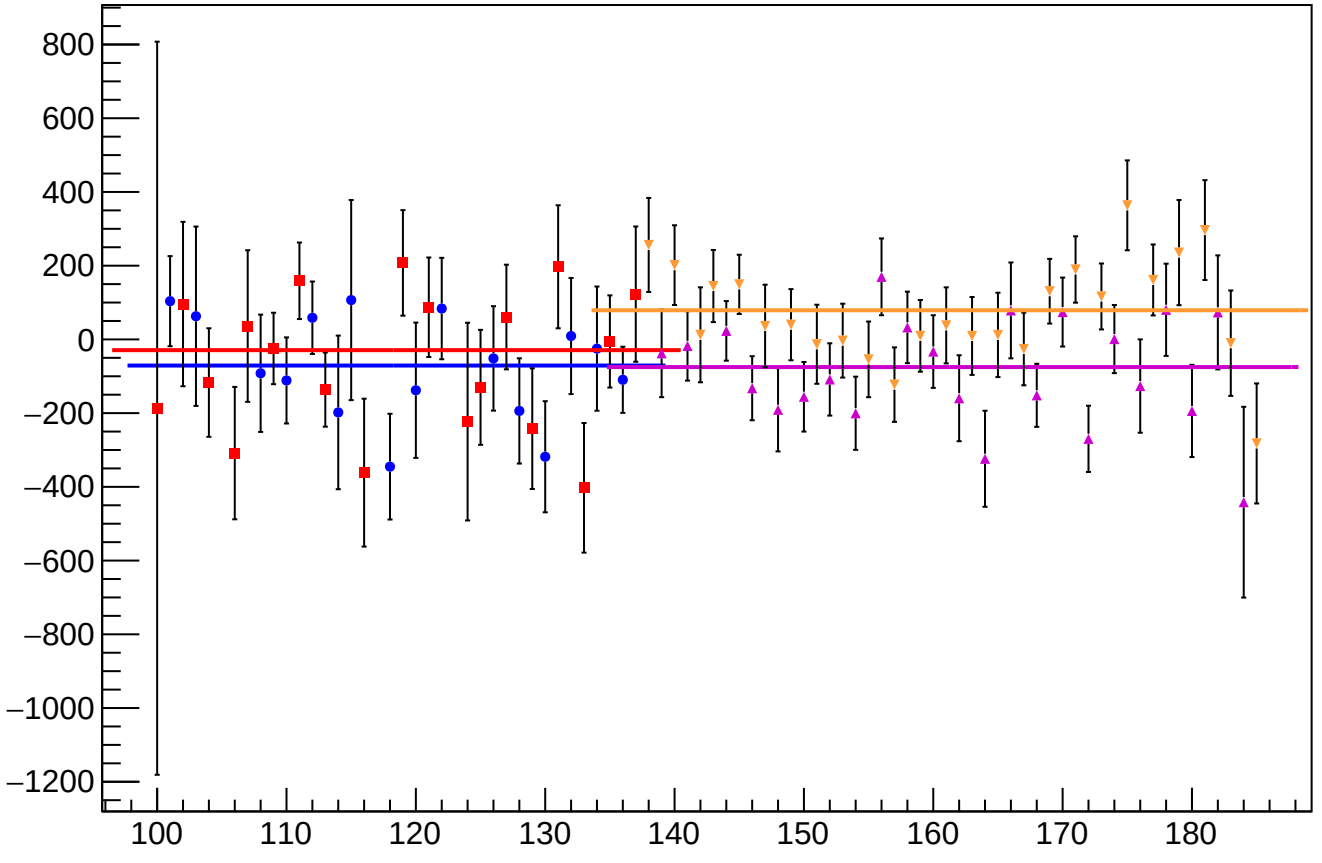
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

\+ sign 833.284+/-0.118 χ^2/NDF: 3086600.9/40

All: 832.137+/-0.084 χ^2/NDF: 6041124.4/82

\- 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: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

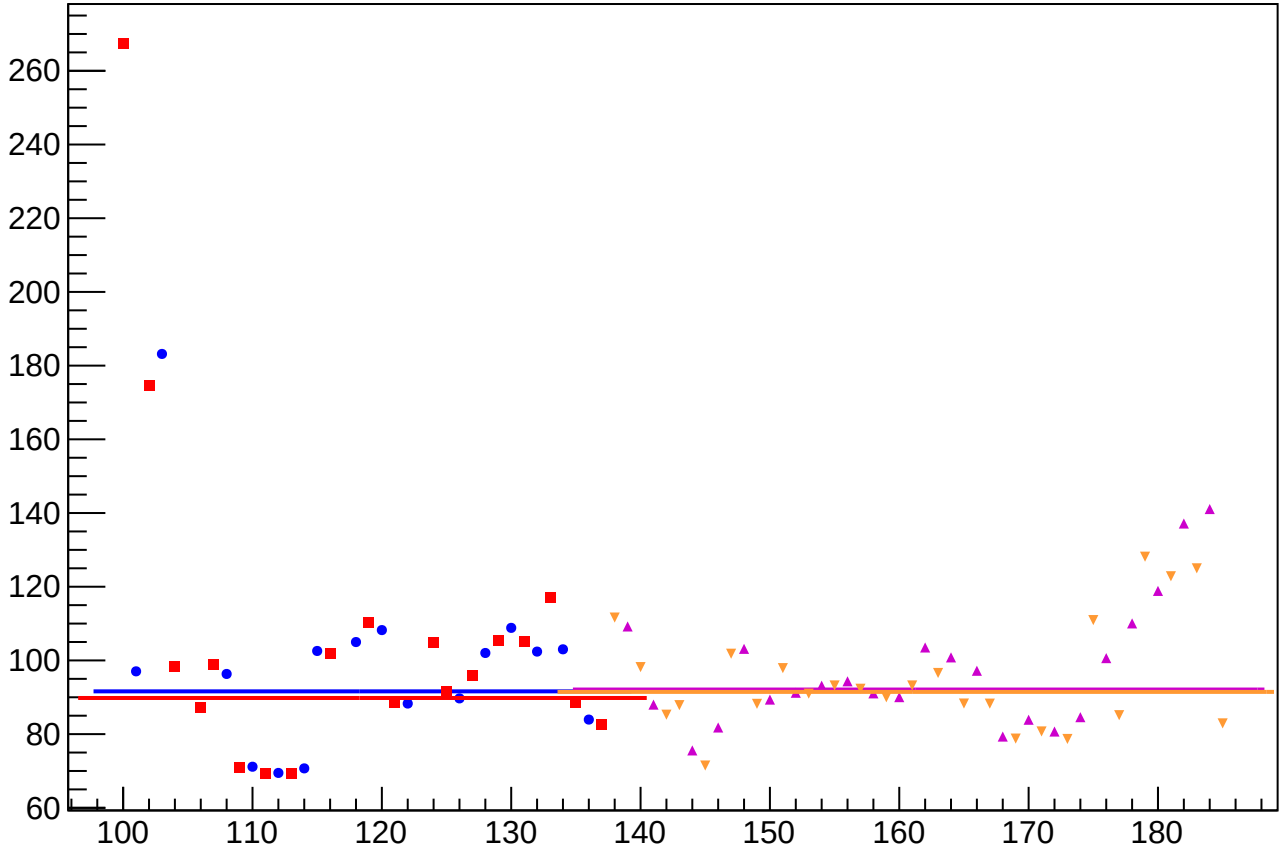
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 39.318+/-18.088 χ^2/NDF: 59.4/40

All: -10.336+/-12.903 χ^2/NDF: 132.7/82

- 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: 91.462+/-0.015 χ^2/NDF:751213.9/24

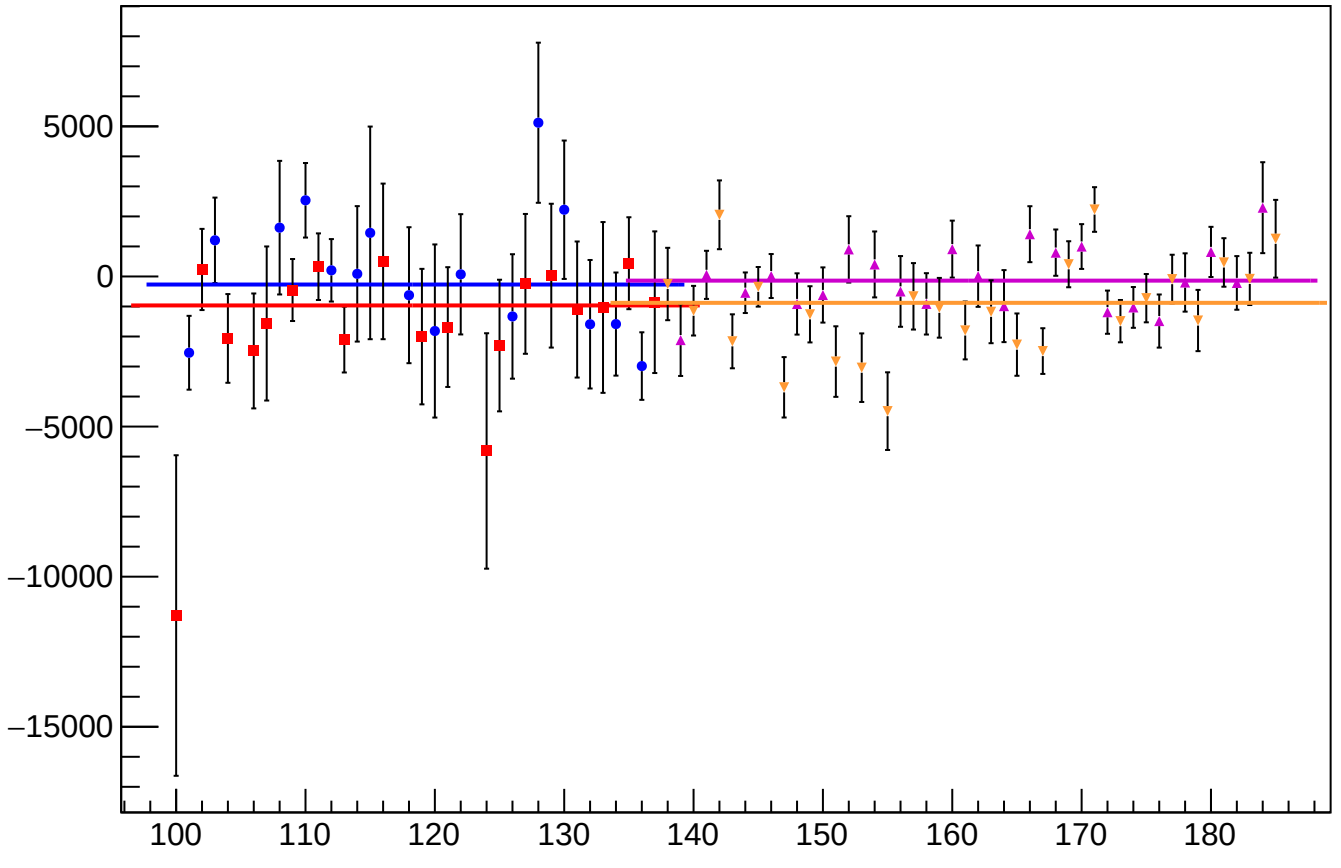
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.500+/-0.013 χ^2/NDF: 1331915.3/40

All: 91.470+/-0.009 χ^2/NDF: 2784727.4/82

- 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: -878.453+/-182.188 χ^2/NDF:67.7/24

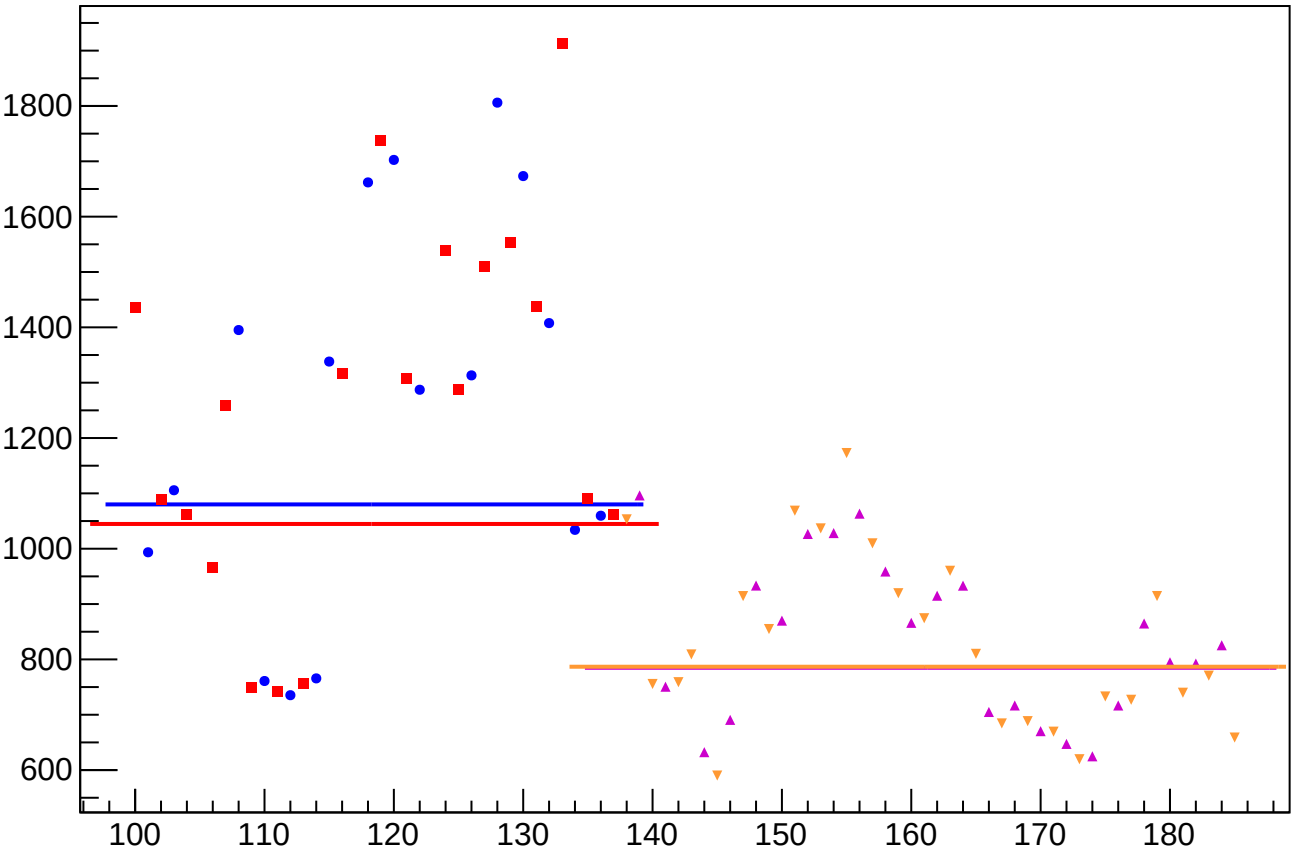
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -781.696+/-167.114 χ^2/NDF: 92.9/40

All: -536.630+/-118.901 χ^2/NDF: 137.1/82

- 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: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

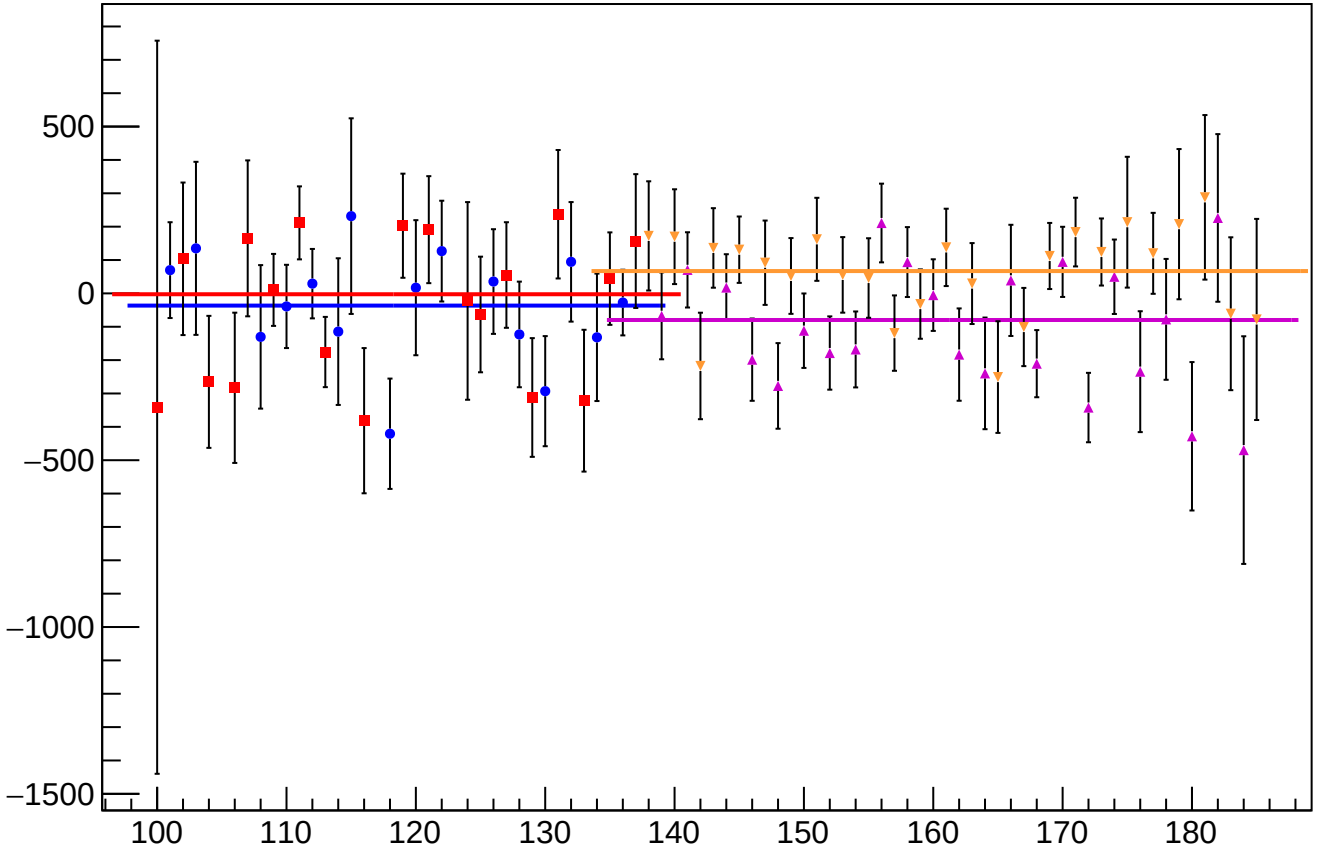
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

\+ sign 833.284+/-0.118 χ^2/NDF: 3086600.9/40

All: 832.137+/-0.084 χ^2/NDF: 6041124.4/82

\- 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: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

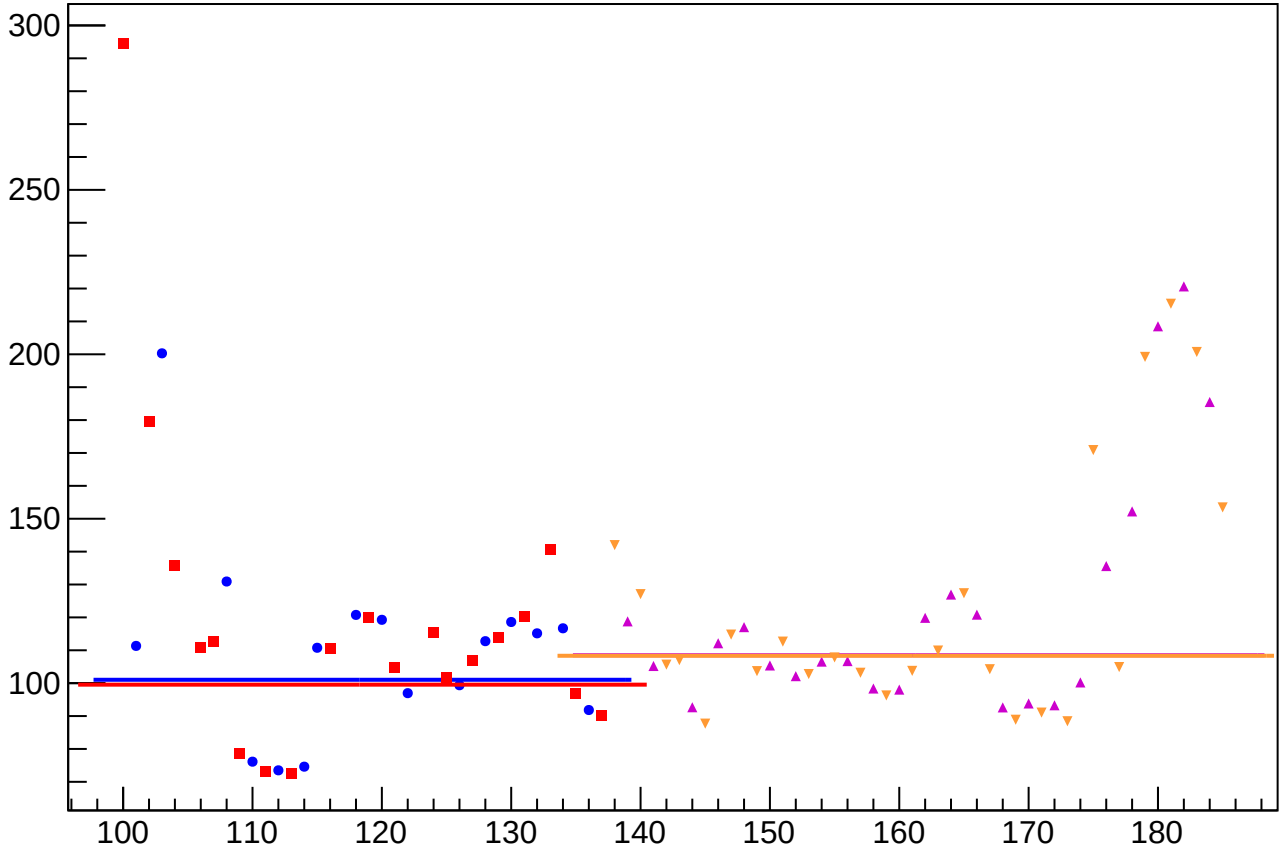
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.751+/-21.390 χ^2/NDF: 37.4/40

All: -9.022+/-15.218 χ^2/NDF: 110.7/82

- 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: 108.330+/-0.018 χ^2/NDF:1774599.9/24

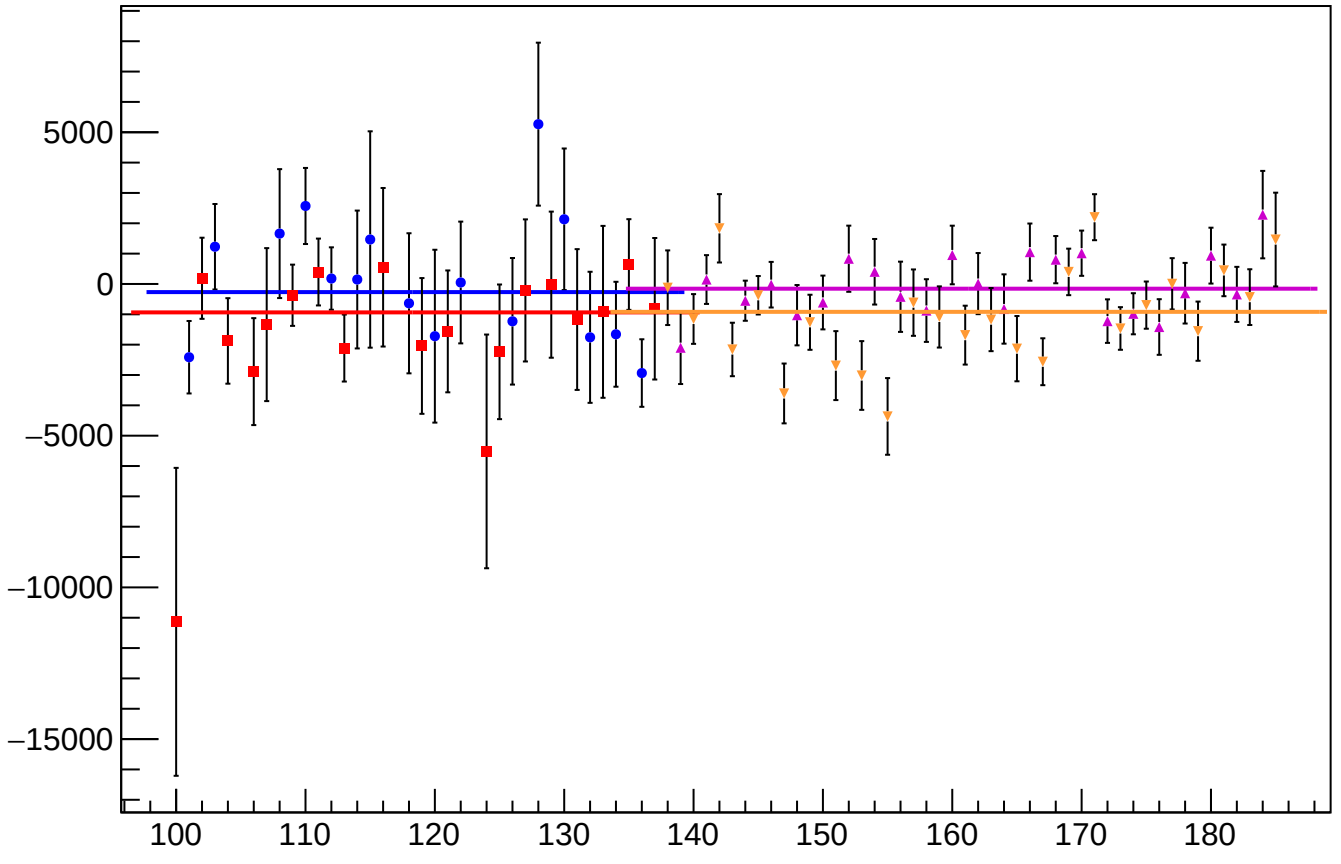
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 106.133+/-0.015 χ^2/NDF: 2539689.1/40

All: 105.876+/-0.011 χ^2/NDF: 4874671.7/82

- 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: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

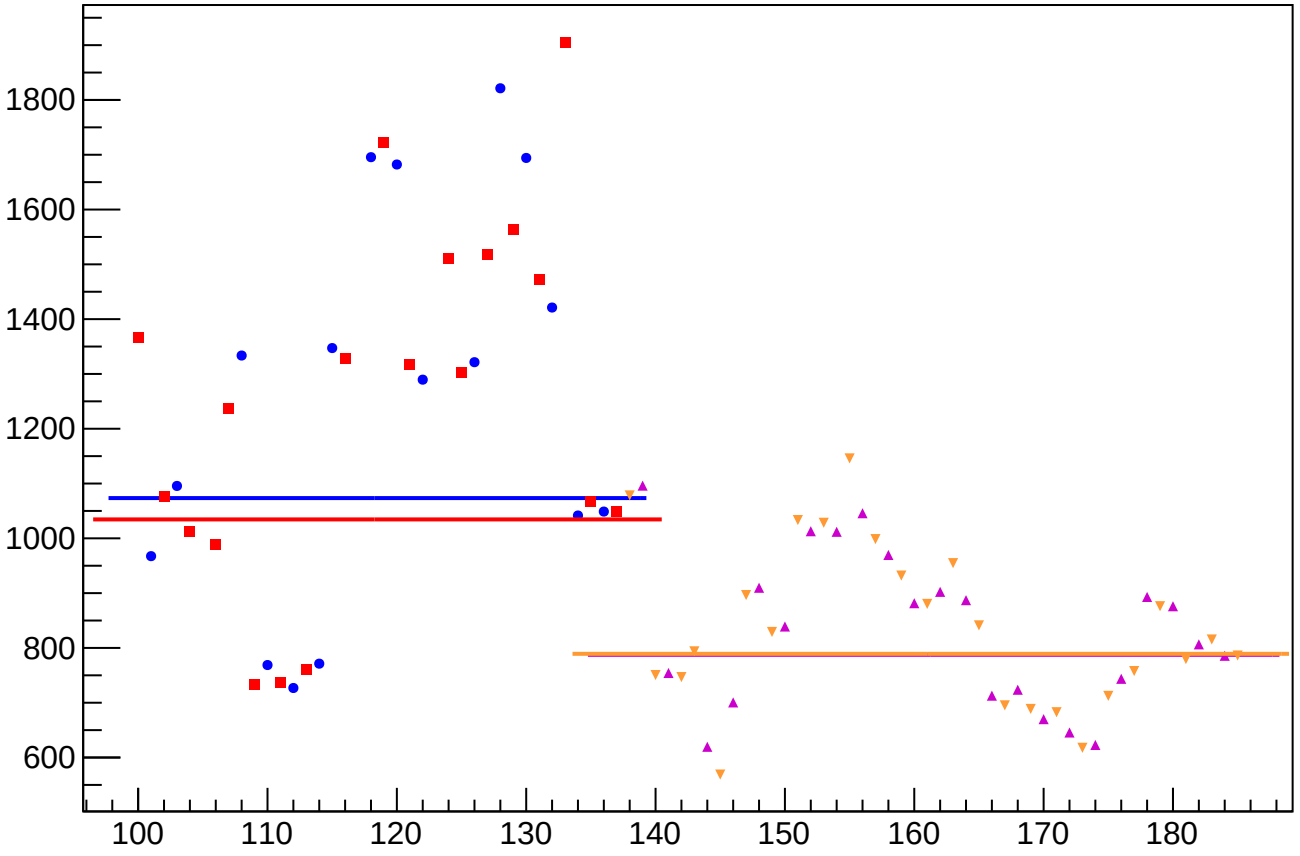
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -814.175+/-167.164 χ^2/NDF: 89.6/40

All: -559.337+/-118.915 χ^2/NDF: 133.7/82

- 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: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

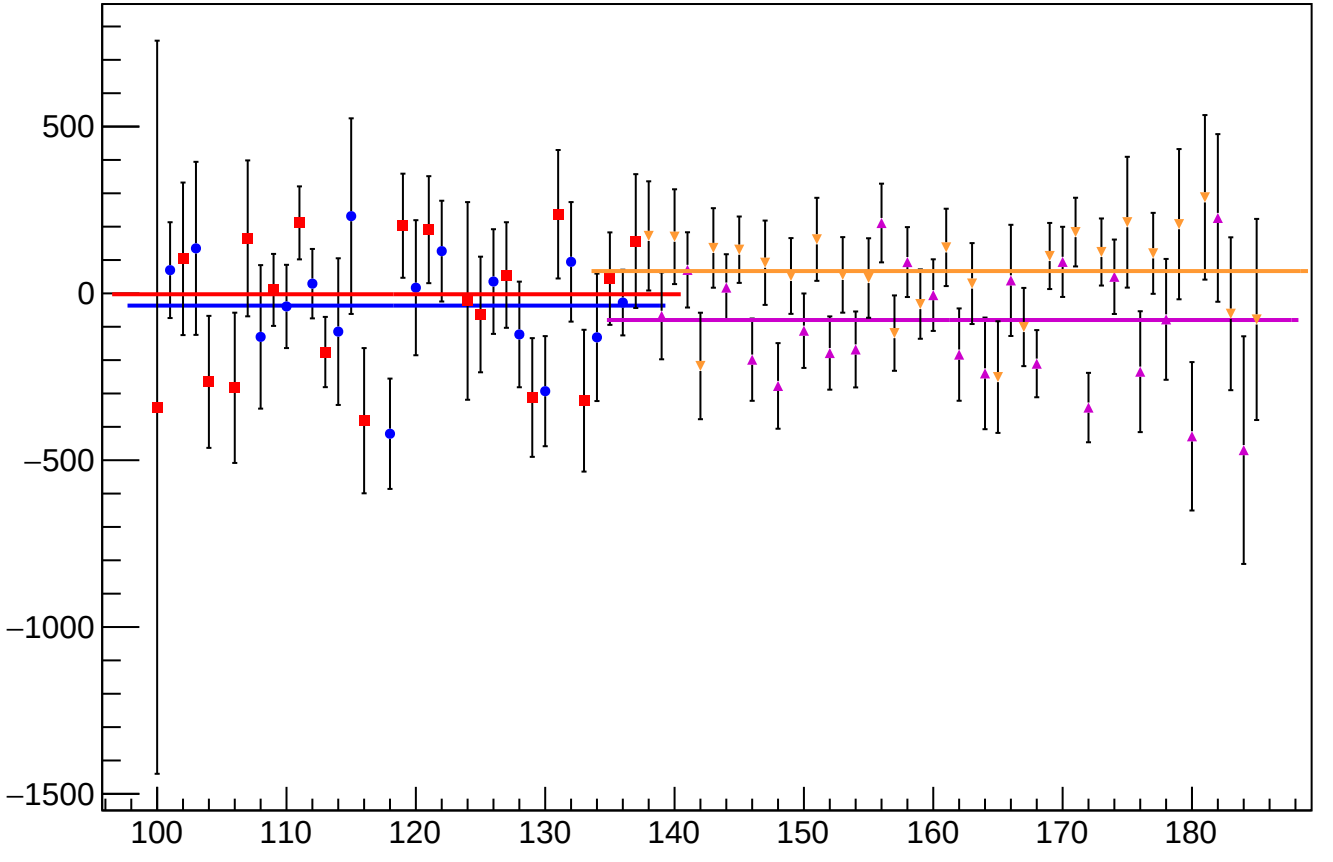
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 834.908+/-0.118 χ^2/NDF: 3033396.3/40

All: 833.696+/-0.084 χ^2/NDF: 5940555.6/82

- 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: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

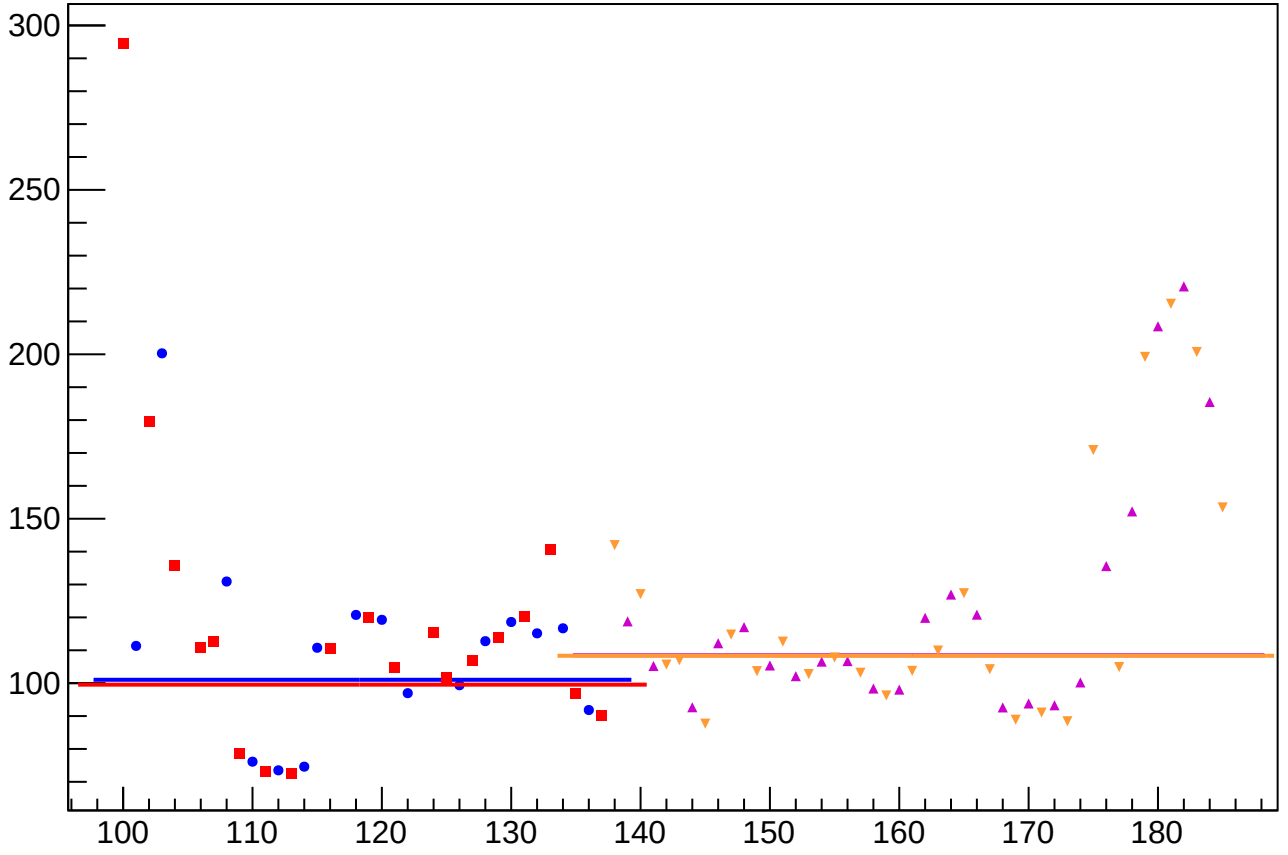
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.752+/-21.390 χ^2/NDF: 37.4/40

All: -9.021+/-15.218 χ^2/NDF: 110.7/82

- 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: 108.330+/-0.018 χ^2/NDF:1774594.6/24

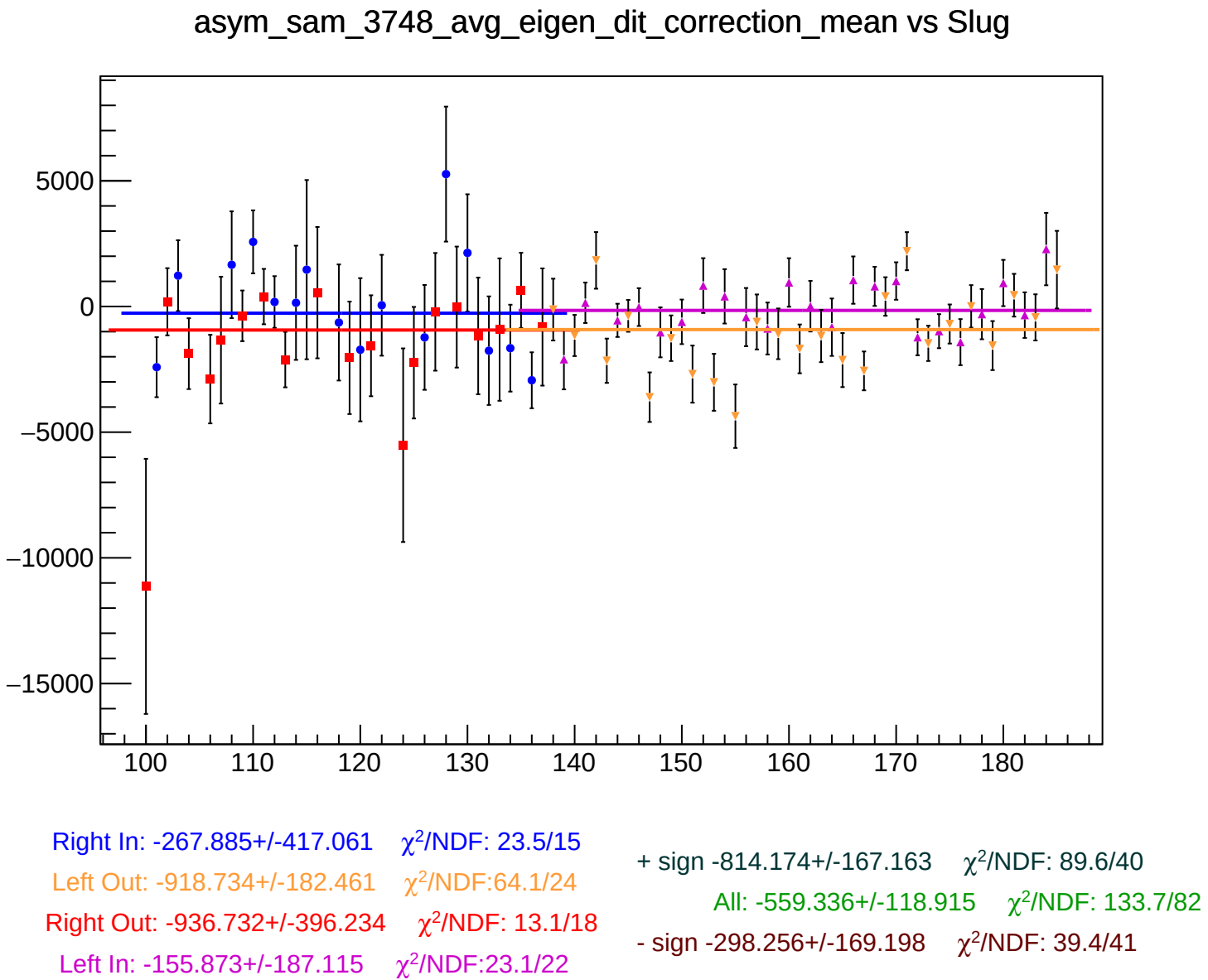
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 106.134+/-0.015 χ^2/NDF: 2539684.7/40

All: 105.876+/-0.011 χ^2/NDF: 4874653.1/82

- 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: -918.734+/-182.461 χ^2/NDF:64.1/24

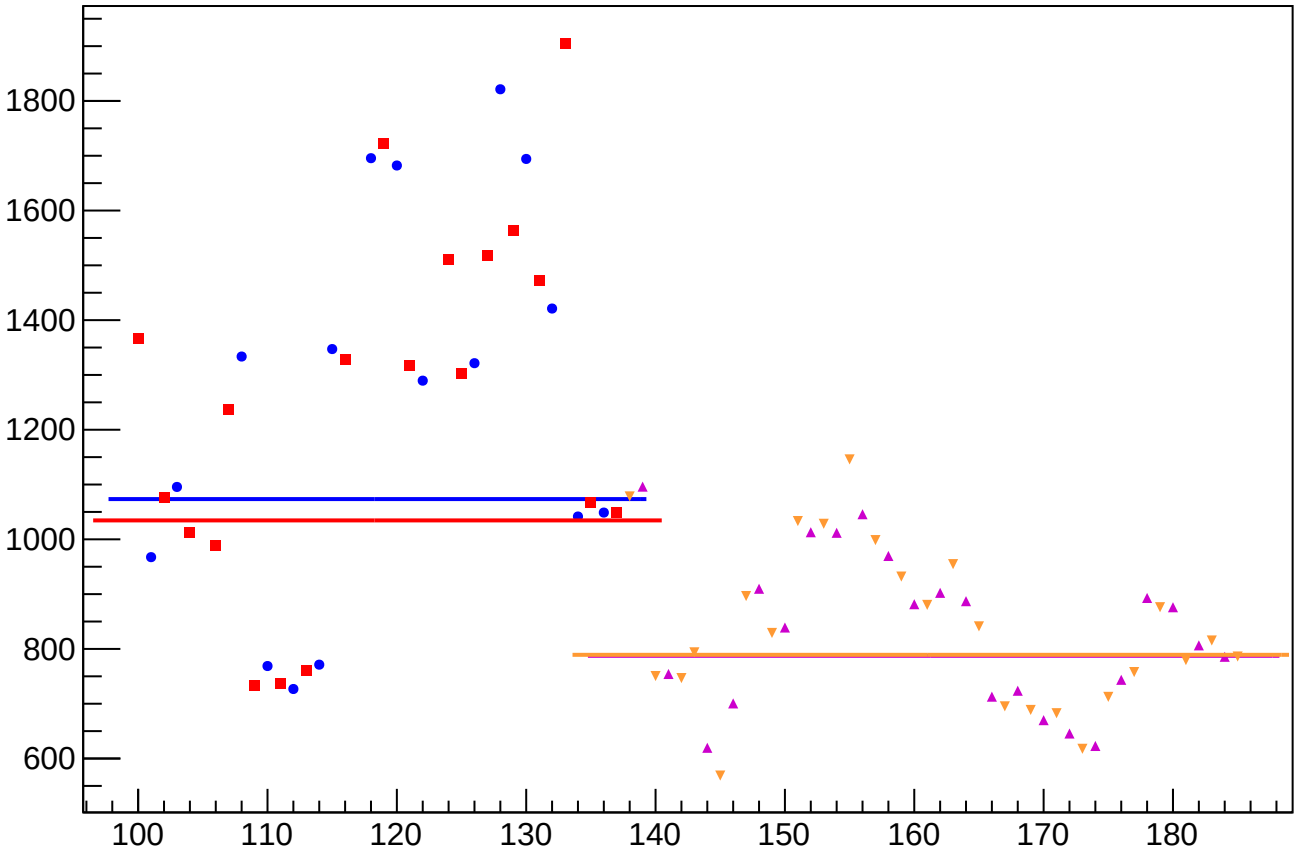
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -814.174+/-167.163 χ^2/NDF: 89.6/40

All: -559.336+/-118.915 χ^2/NDF: 133.7/82

- 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: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

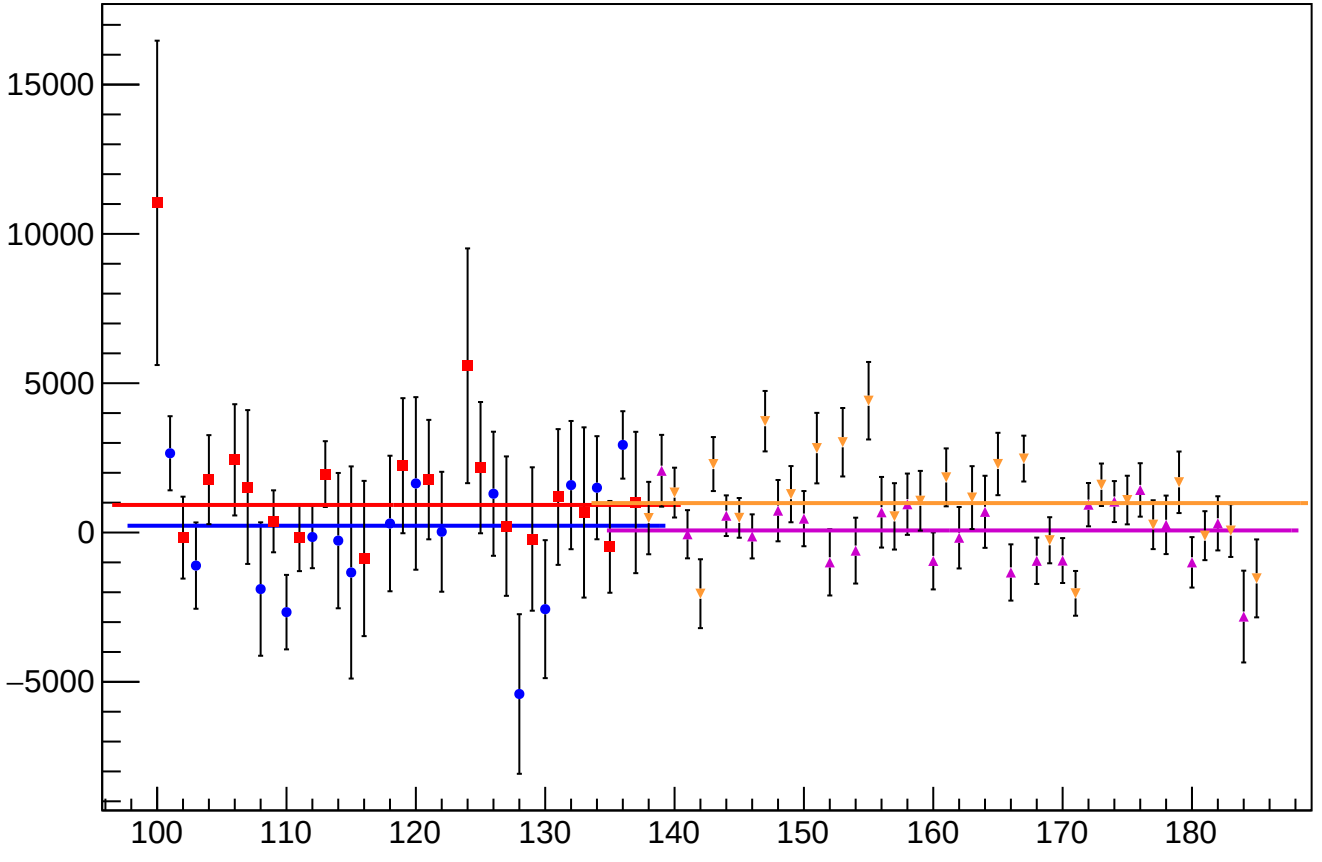
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 834.906+/-0.118 χ^2/NDF: 3033404.5/40

All: 833.695+/-0.084 χ^2/NDF: 5940566.9/82

- 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: 985.656+/-183.601 χ^2/NDF:63.7/24

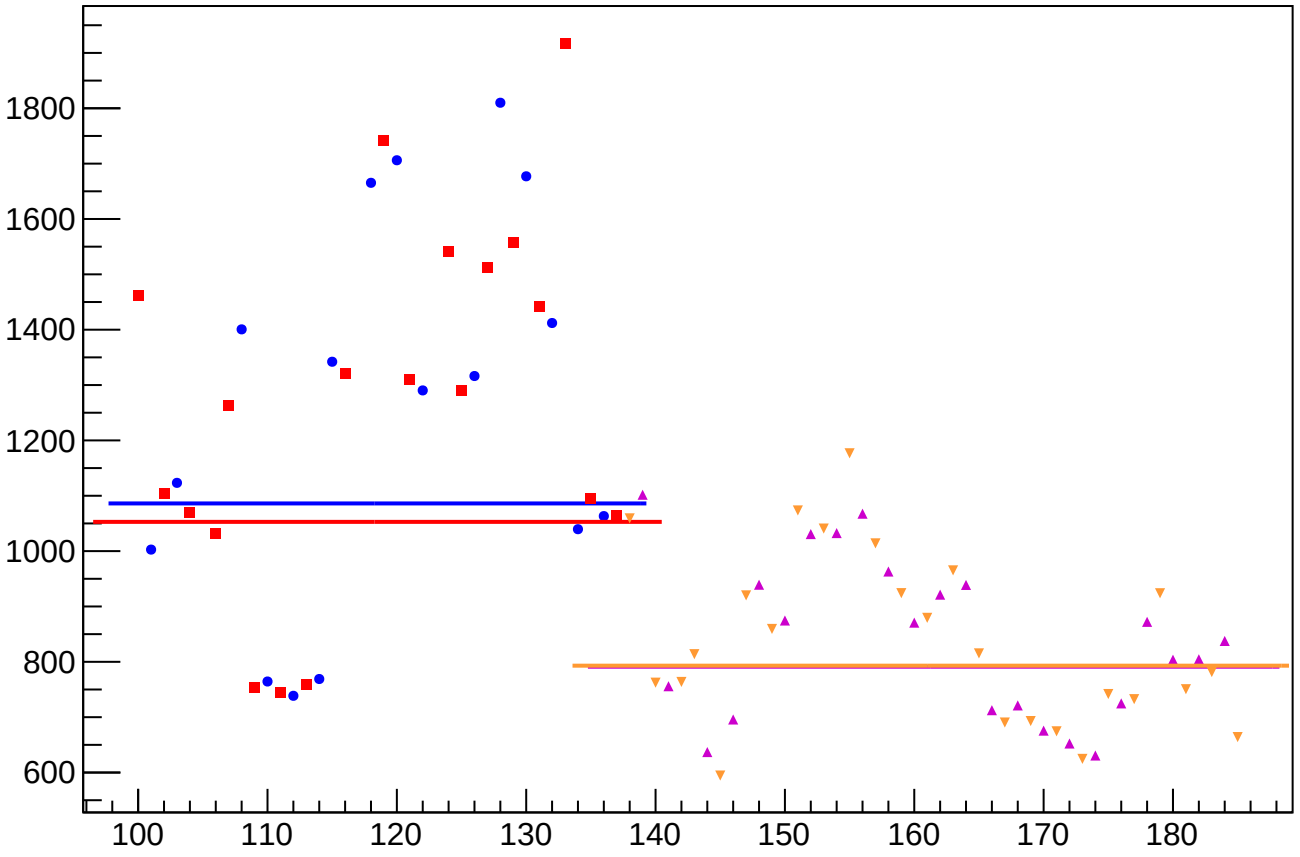
Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 864.909+/-168.347 χ^2/NDF: 90.9/40

All: 547.676+/-119.761 χ^2/NDF: 137.4/82

- 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: 793.051+/-0.130 χ^2/NDF:1193972.3/24

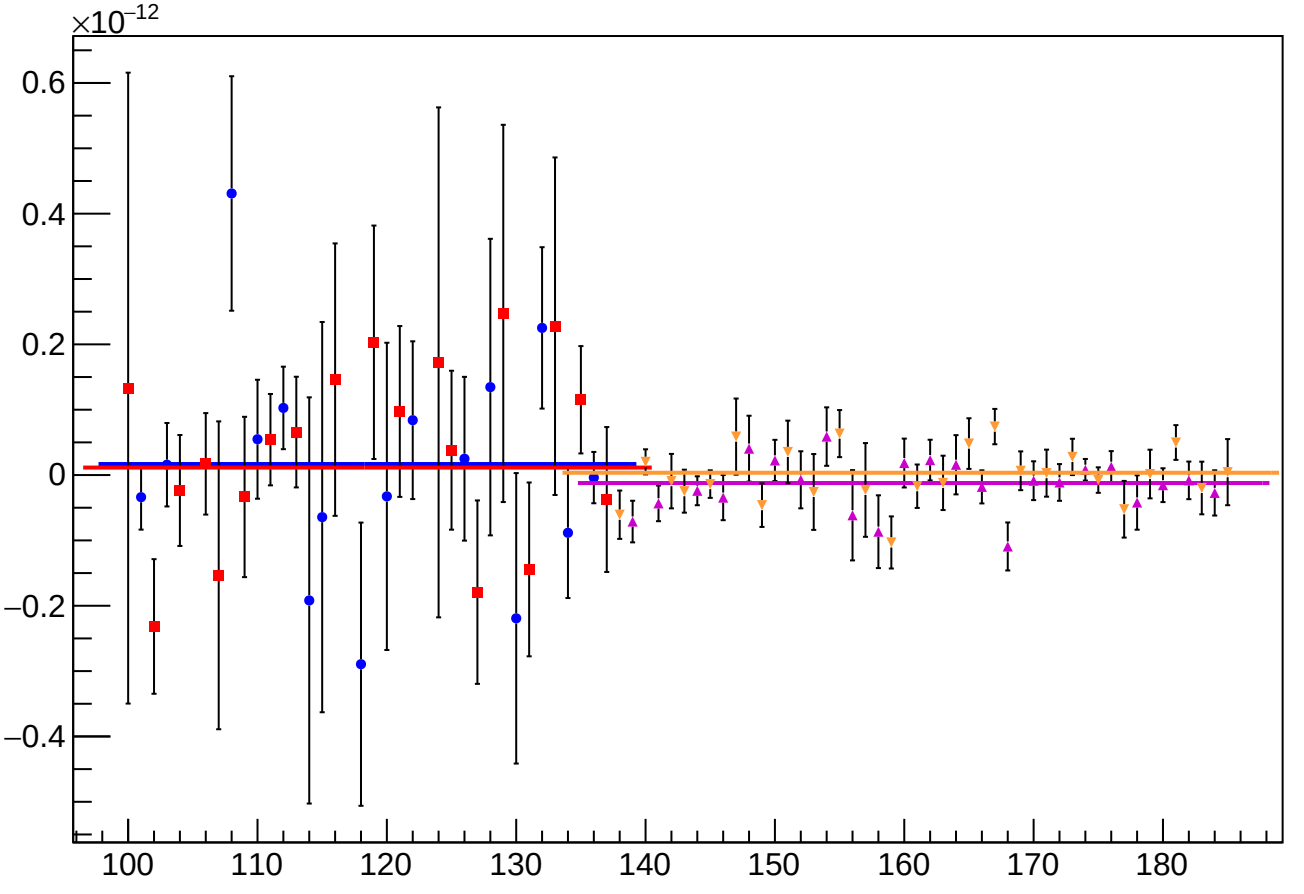
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 839.729+/-0.119 χ^2/NDF: 3053140.6/40

All: 838.835+/-0.085 χ^2/NDF: 5988969.1/82

- 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:34.0/24

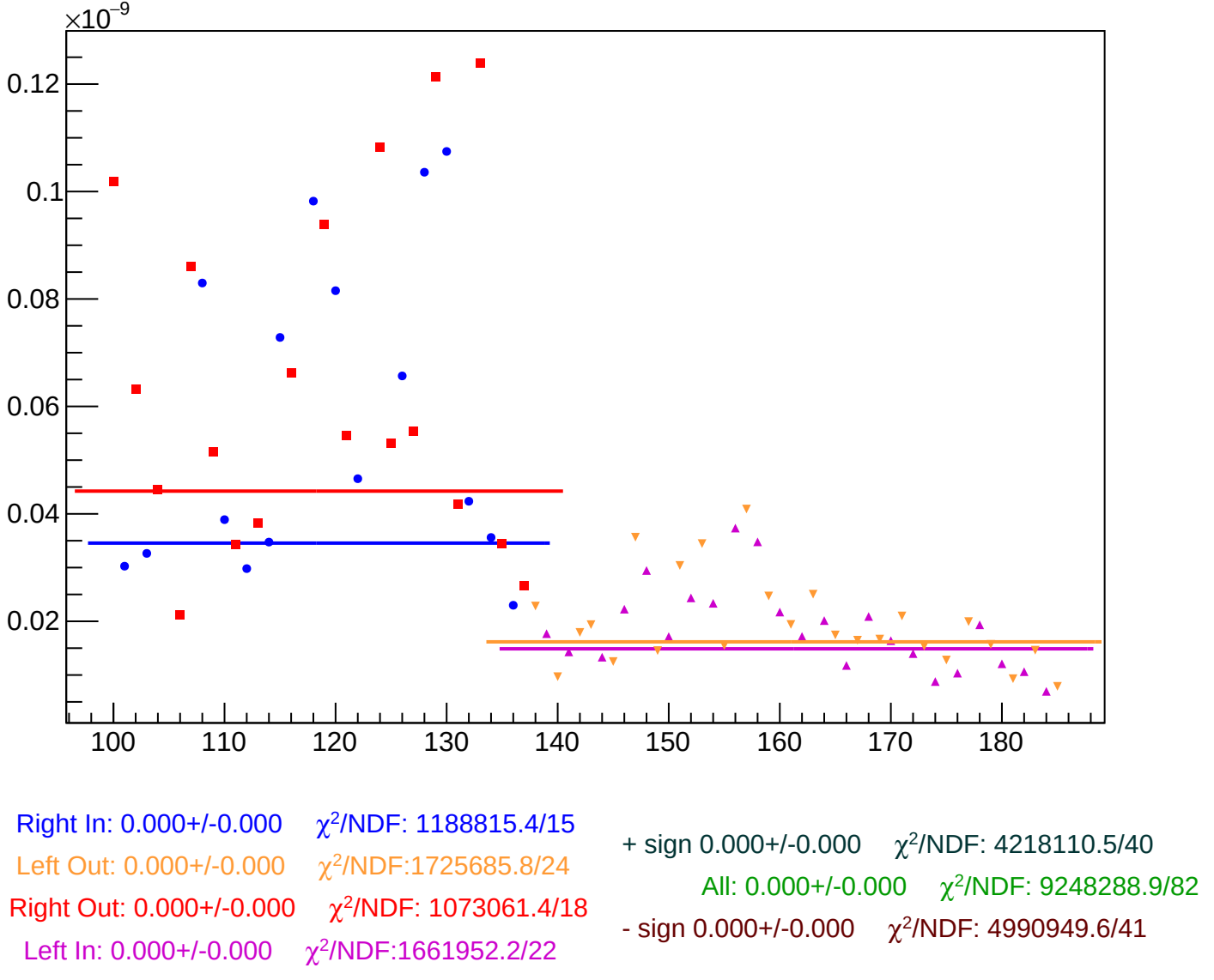
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

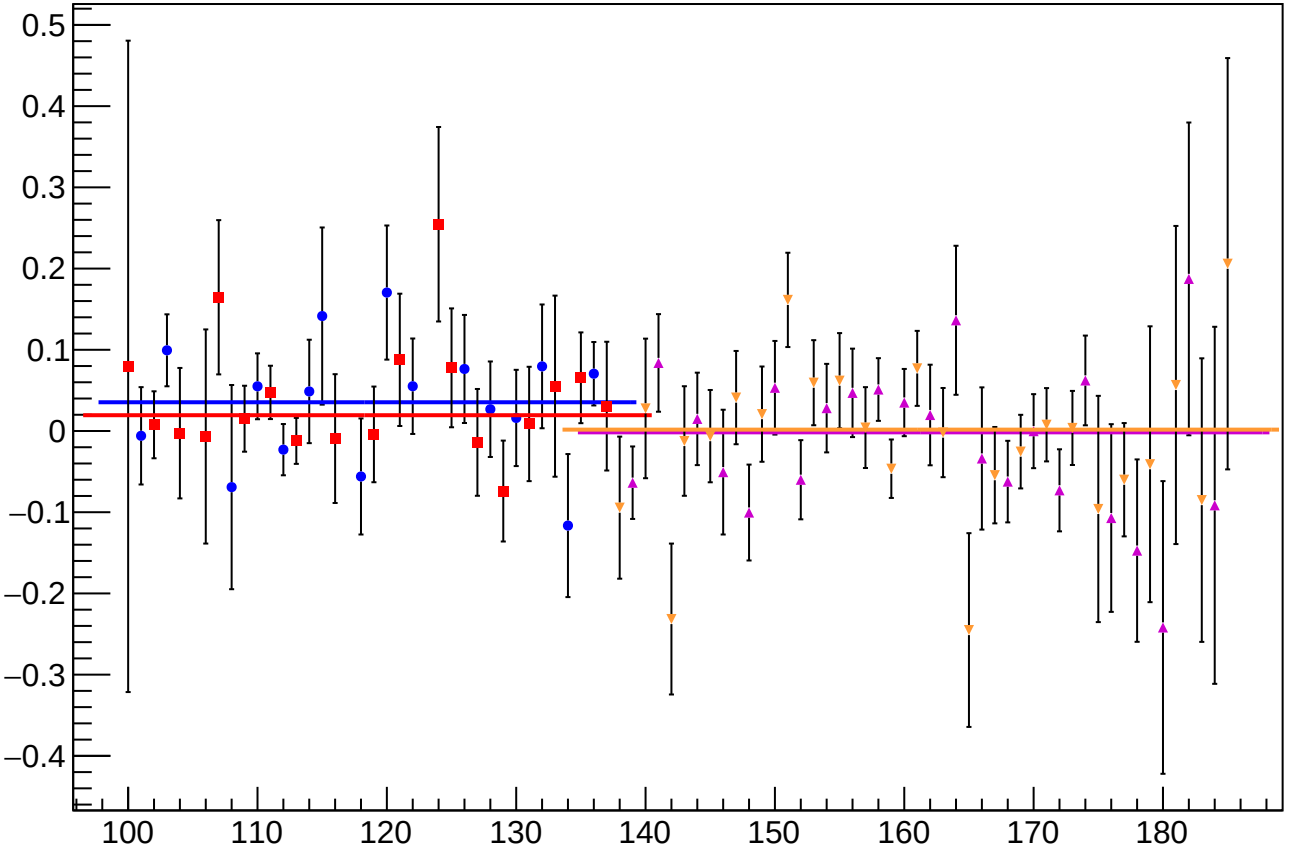
+ sign 0.000+/-0.000 χ^2/NDF: 51.2/40

All: -0.000+/-0.000 χ^2/NDF: 96.2/82

- sign -0.000+/-0.000 χ^2/NDF: 41.8/41


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1725685.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:1661952.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4218110.5/40
All: 0.000+/-0.000 χ²/NDF: 9248288.9/82
- sign 0.000+/-0.000 χ²/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: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

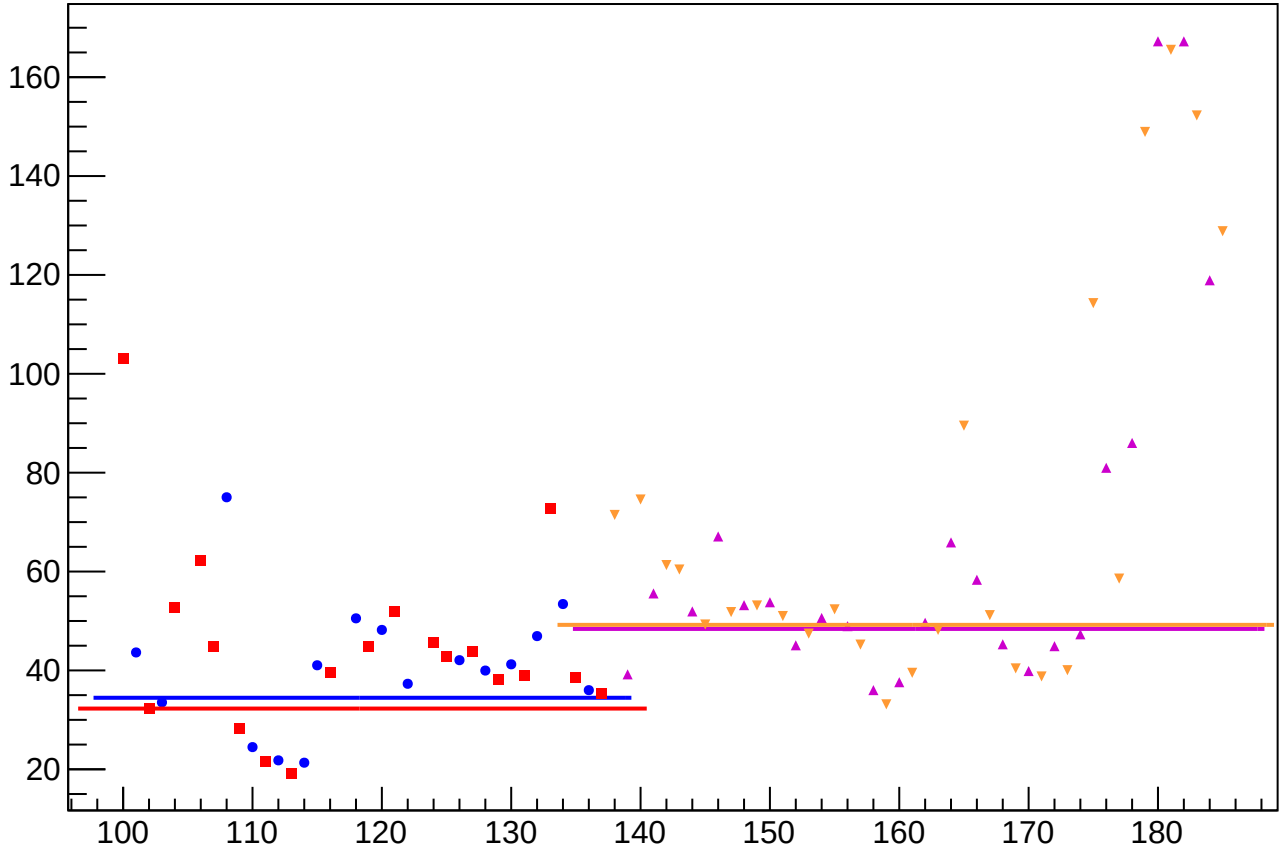
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.7/40

All: 0.012+/-0.006 χ^2/NDF: 91.9/82

- sign 0.008+/-0.009 χ^2/NDF: 40.8/41

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

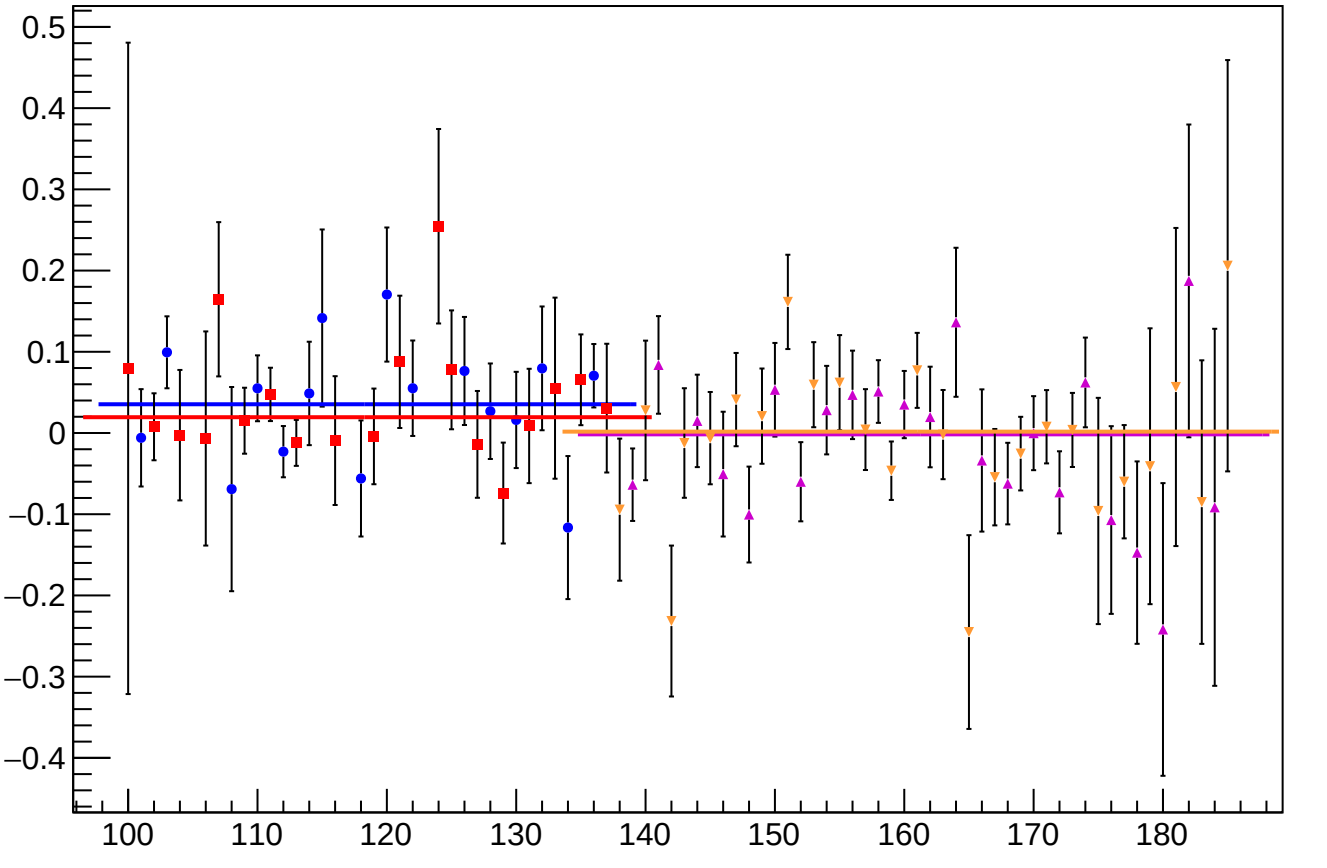
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

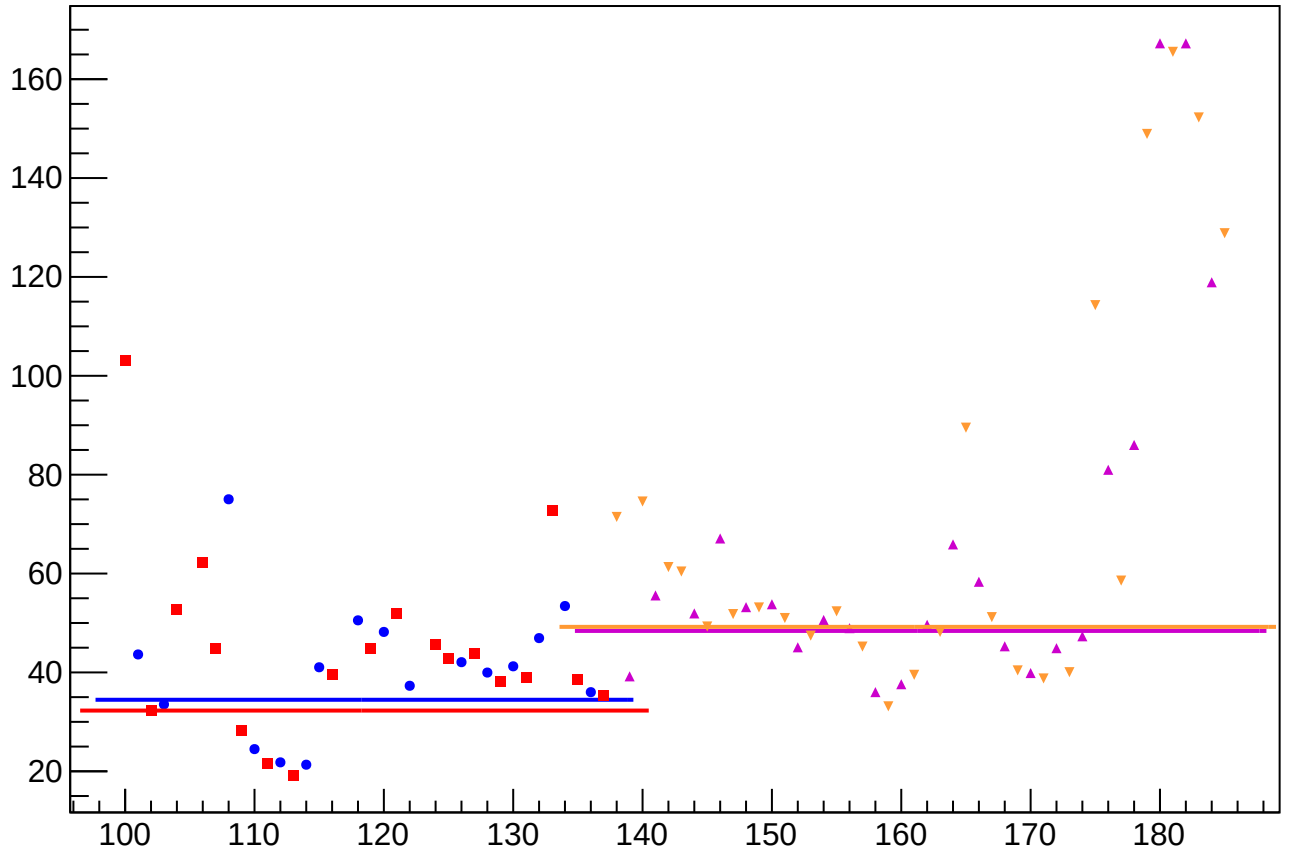
Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.736+/-0.007 χ^2/NDF: 6606767.5/40

All: 41.753+/-0.005 χ^2/NDF: 12952678.0/82

- sign 40.814+/-0.006 χ^2/NDF: 6301320.4/41


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.016+/-0.009 χ²/NDF: 50.7/40
All: 0.012+/-0.006 χ²/NDF: 91.9/82
- sign 0.008+/-0.009 χ²/NDF: 40.8/41



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

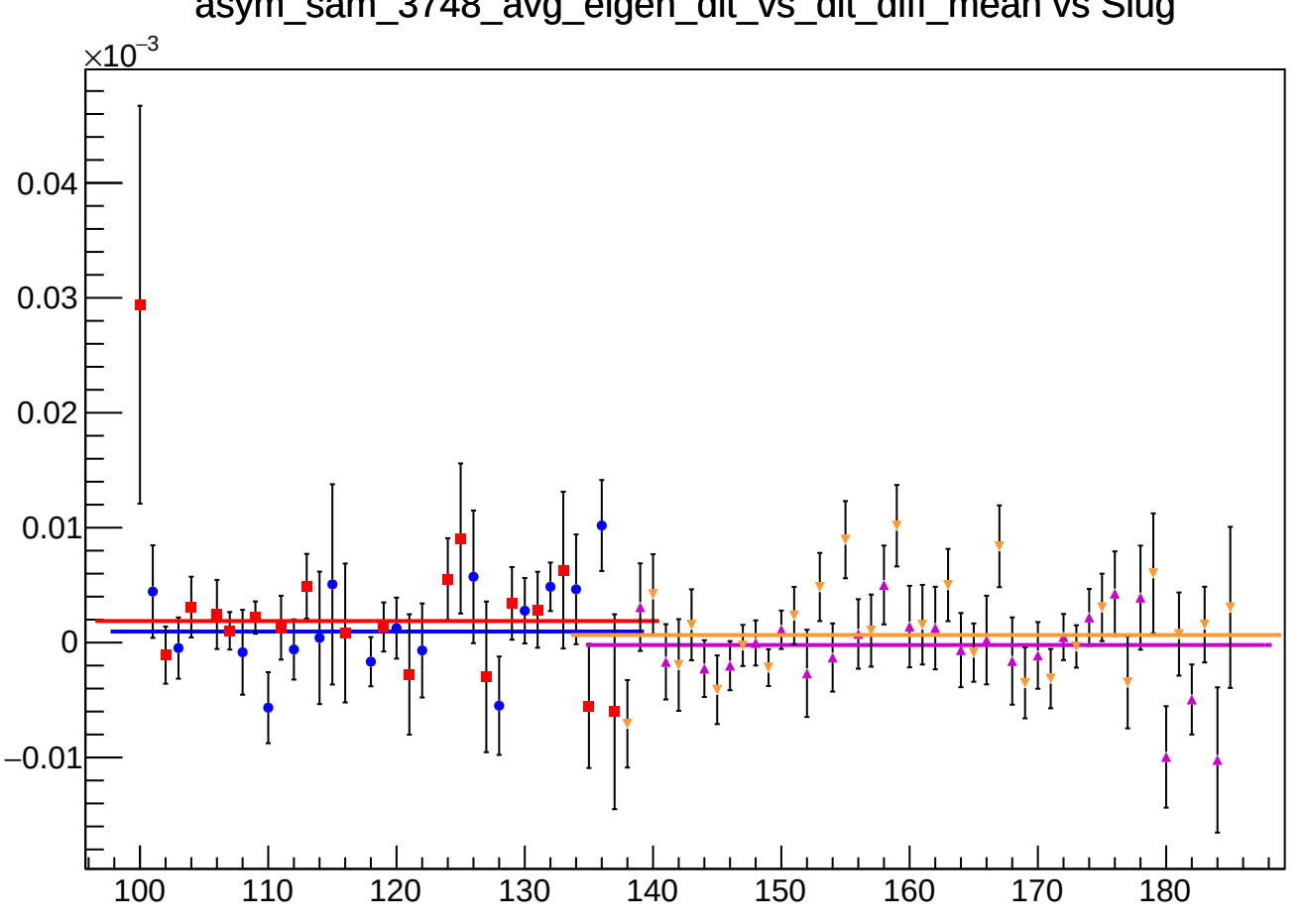
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.736+/-0.007 χ^2/NDF: 6606767.5/40

All: 41.753+/-0.005 χ^2/NDF: 12952678.0/82

- 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:41.7/24

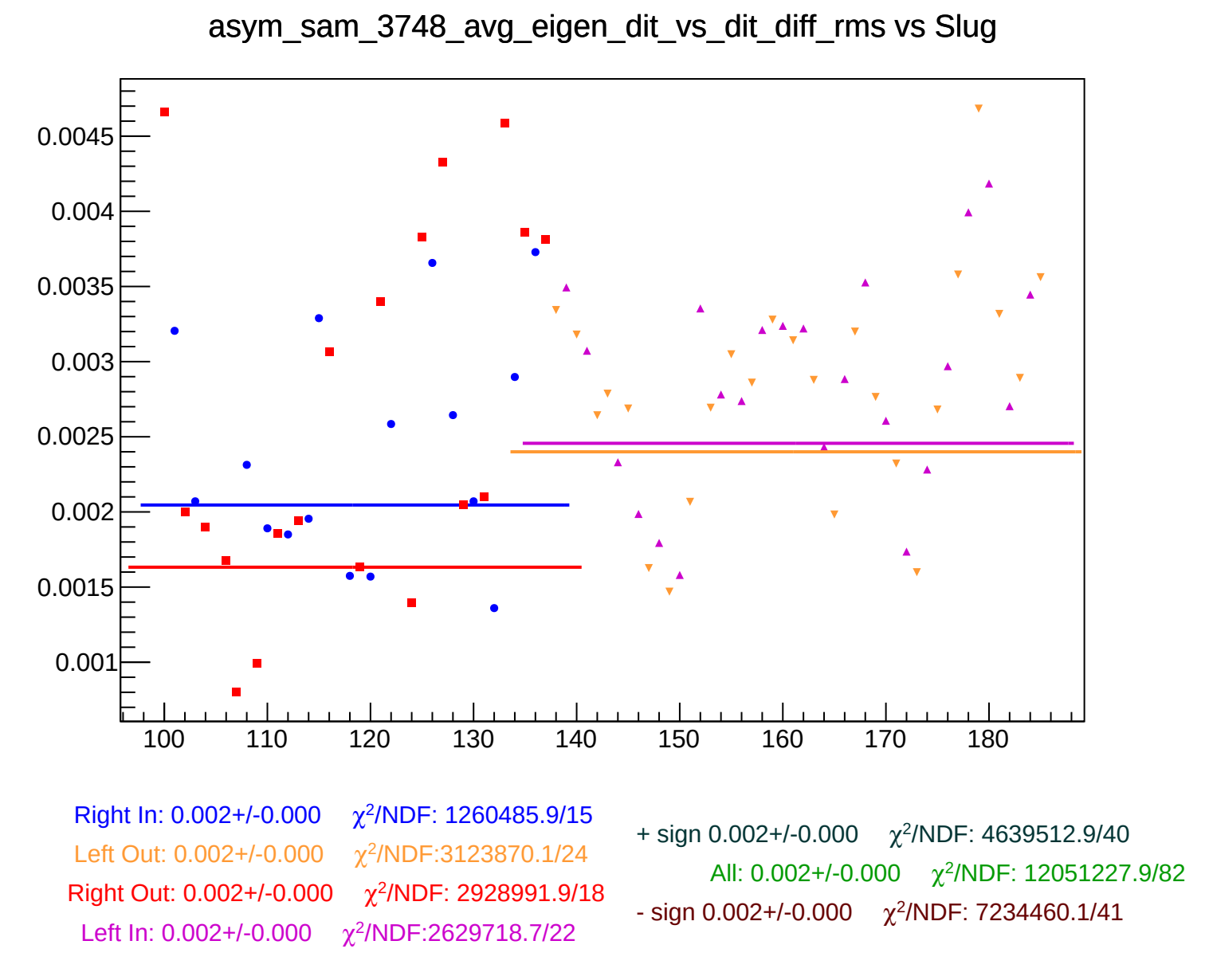
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

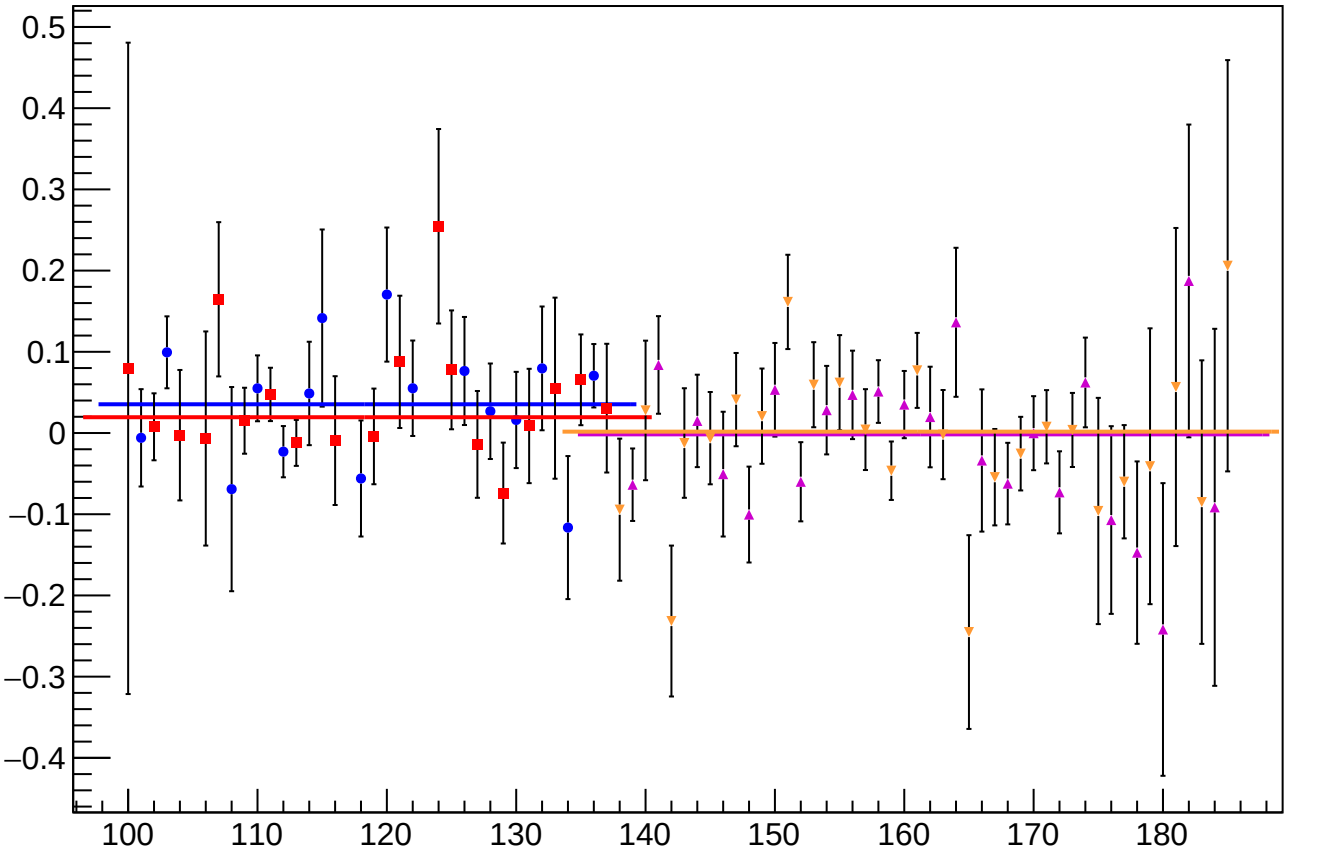
Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.7/40

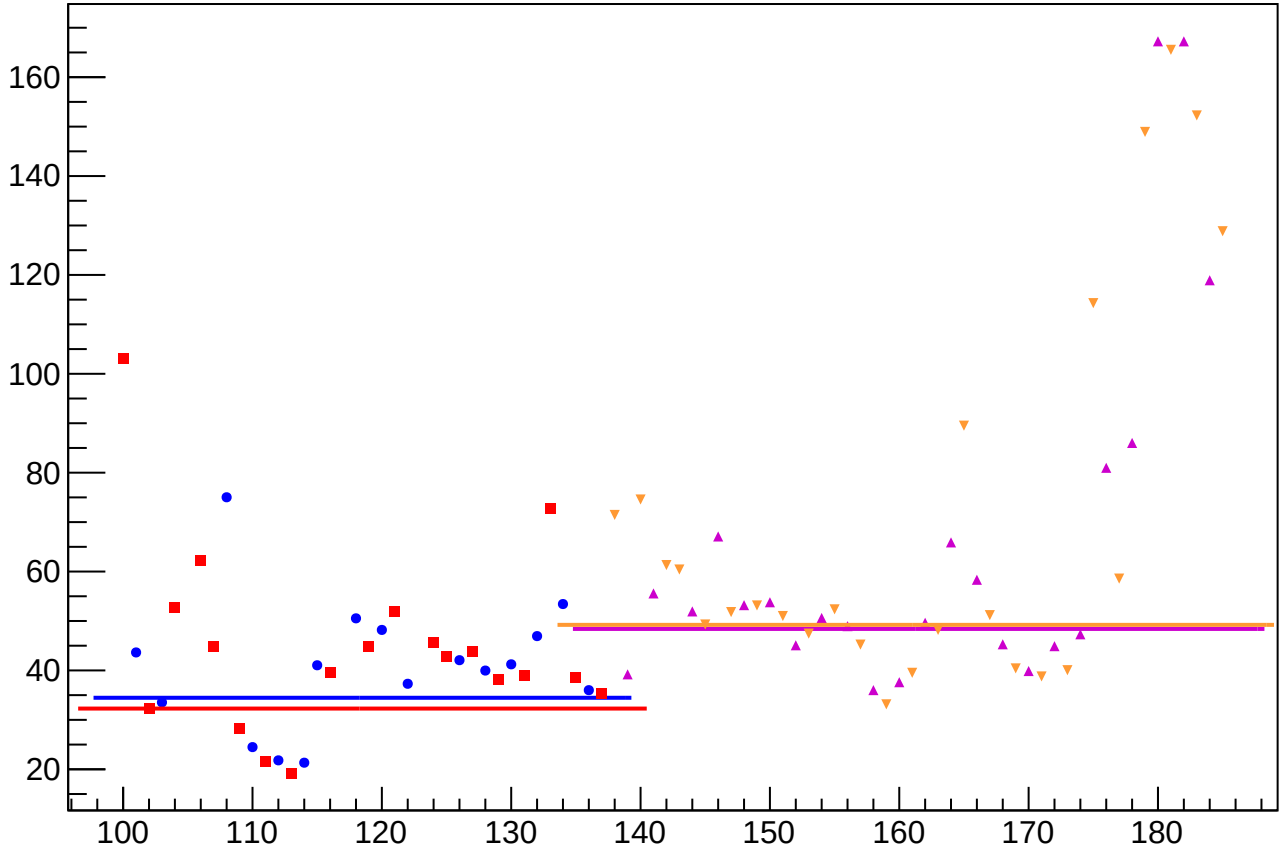
All: 0.000+/-0.000 χ^2/NDF: 100.7/82

- 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:3123870.1/24
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: 4639512.9/40
All: 0.002+/-0.000 χ²/NDF: 12051227.9/82
- sign 0.002+/-0.000 χ²/NDF: 7234460.1/41


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.016+/-0.009 χ²/NDF: 50.7/40
All: 0.012+/-0.006 χ²/NDF: 91.9/82
- sign 0.008+/-0.009 χ²/NDF: 40.8/41

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

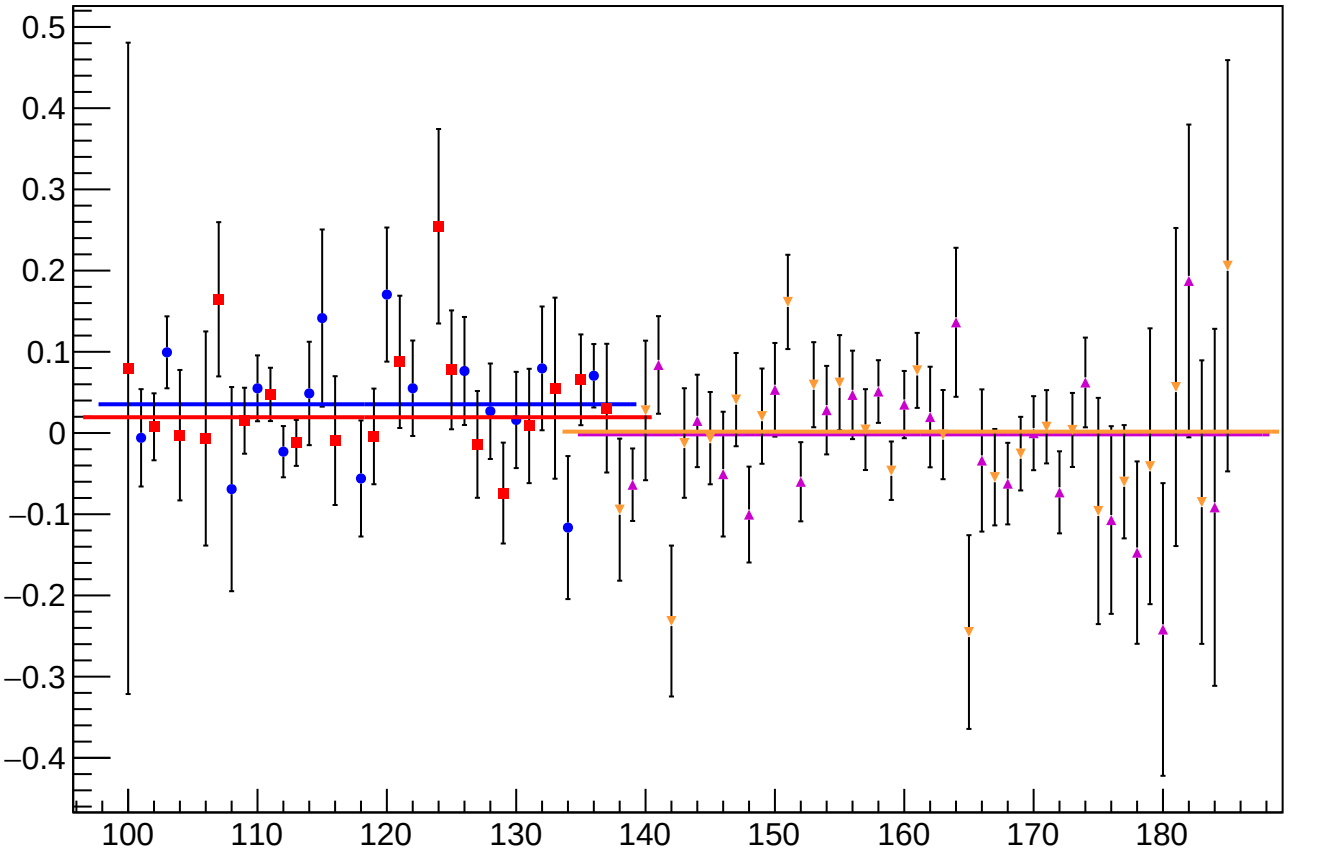
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.737+/-0.007 χ^2/NDF: 6606710.3/40

All: 41.754+/-0.005 χ^2/NDF: 12952560.8/82

- sign 40.814+/-0.006 χ^2/NDF: 6301261.4/41



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

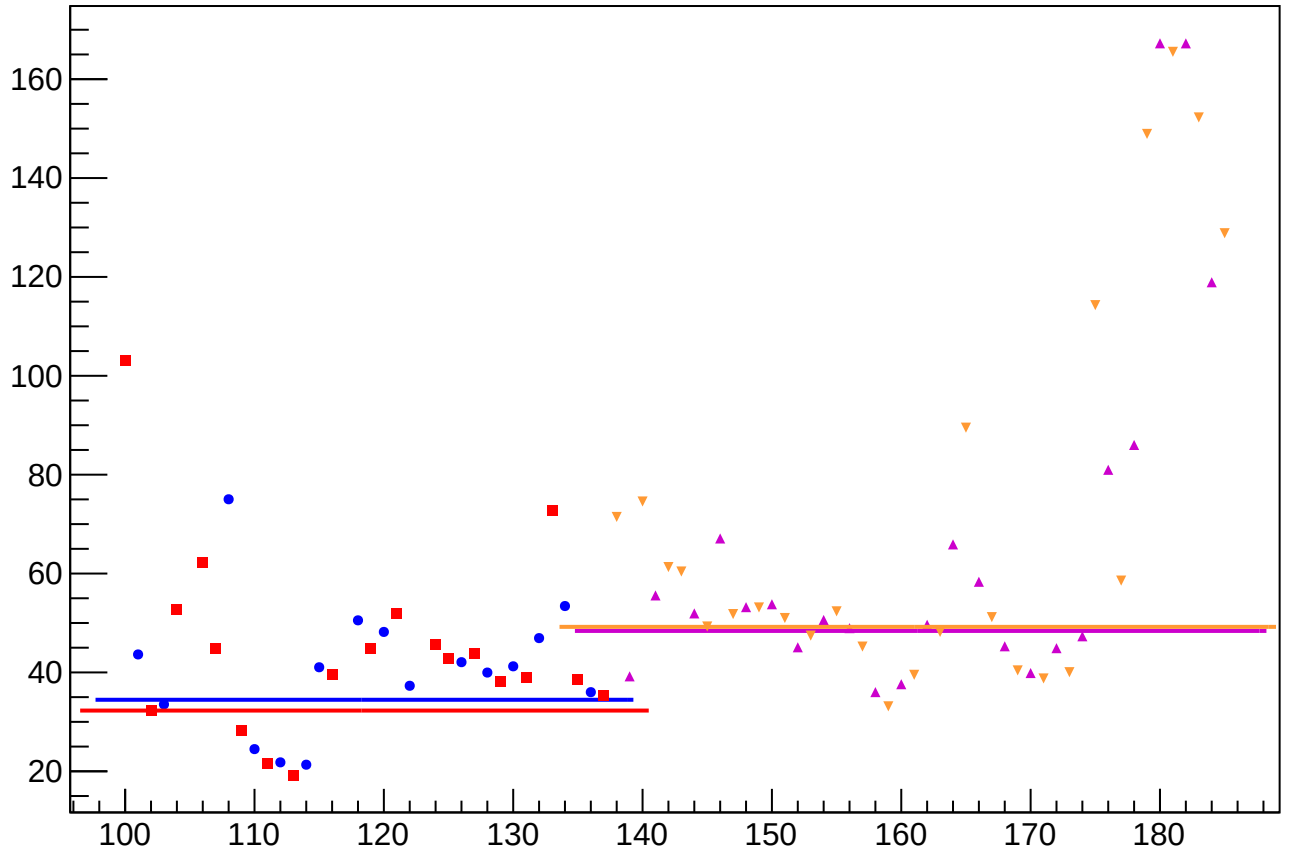
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 50.7/40

All: 0.012+/-0.006 χ^2/NDF: 91.9/82

- 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: 49.217+/-0.009 χ^2/NDF:4171640.8/24

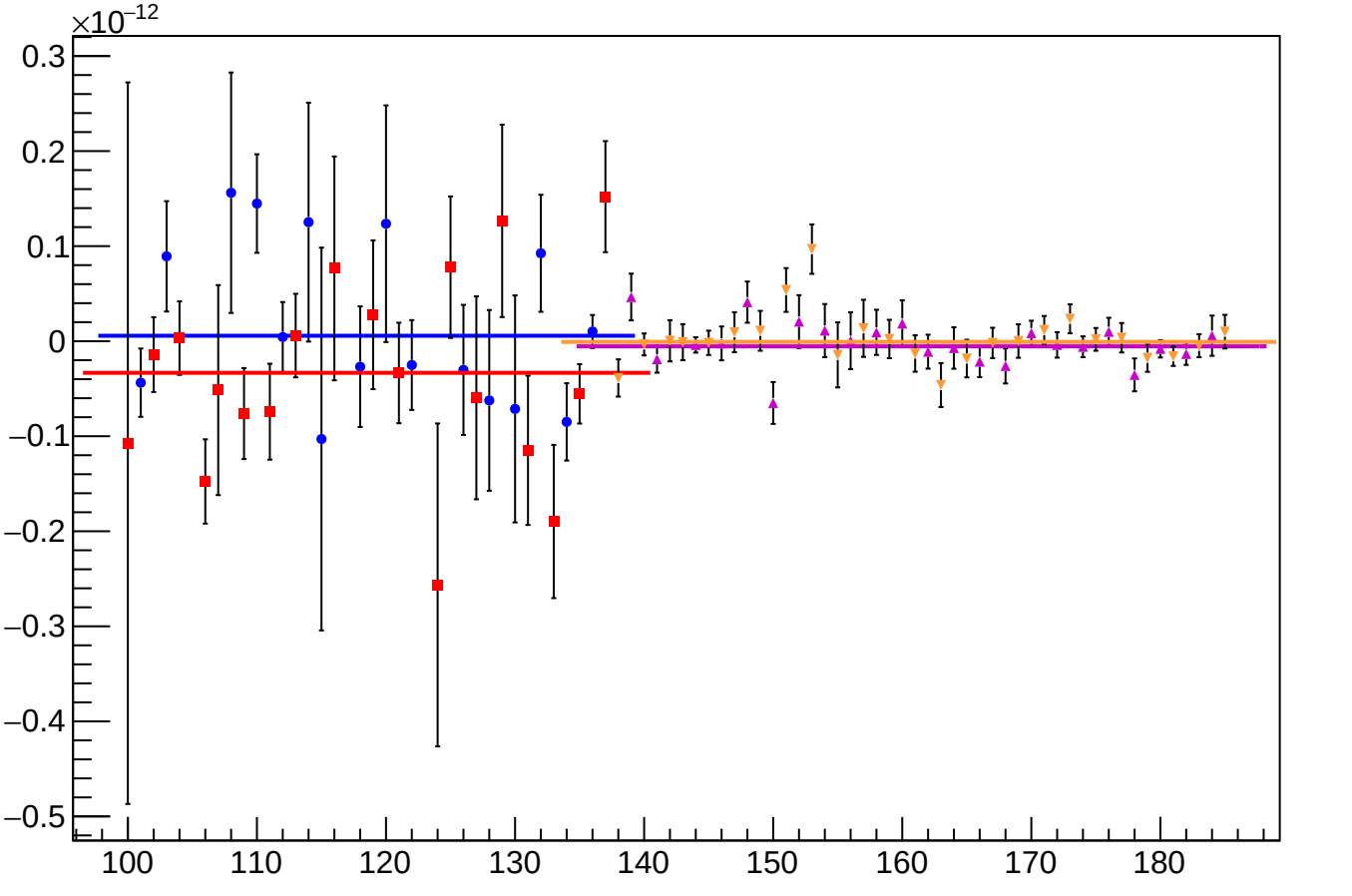
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

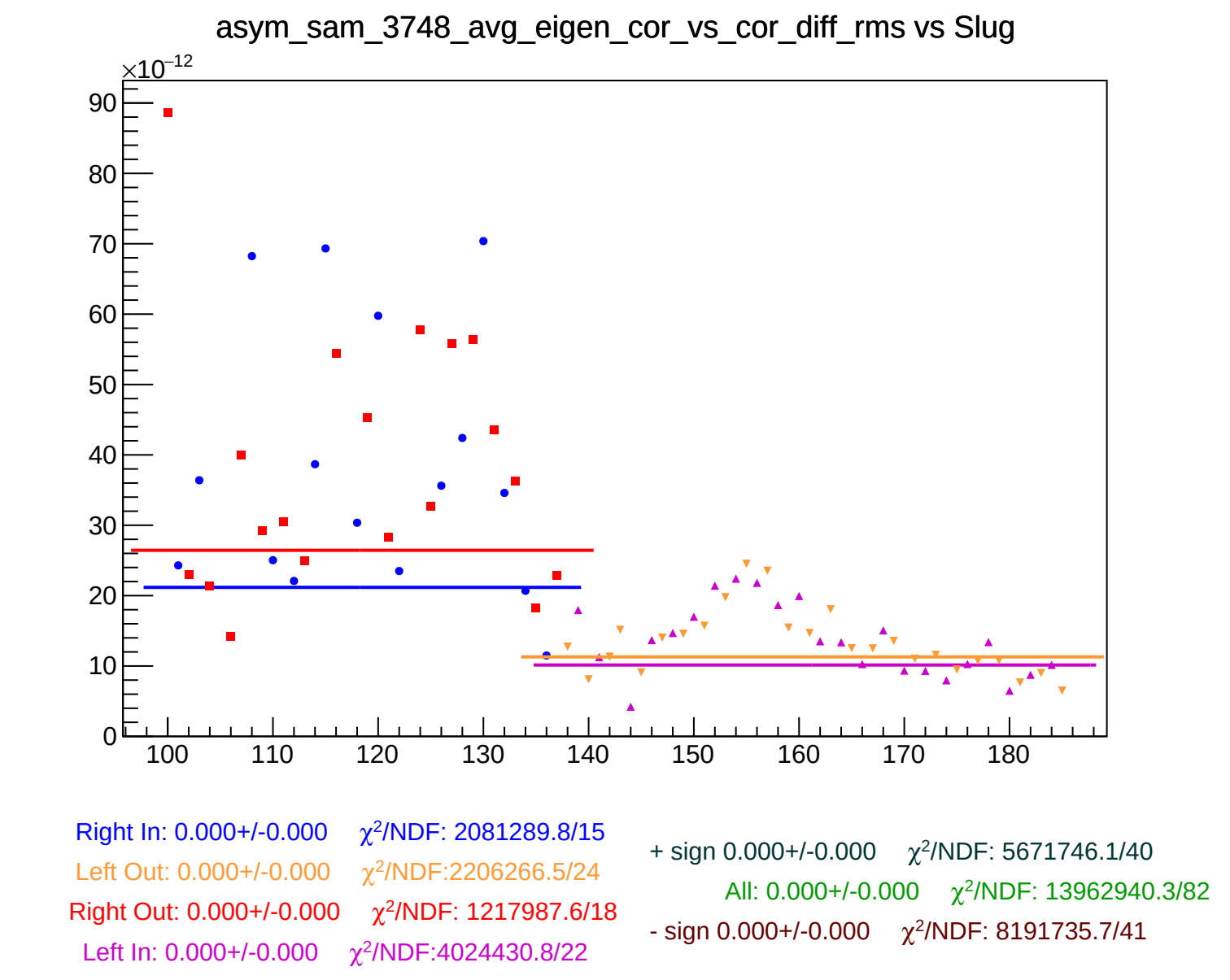
Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.737+/-0.007 χ^2/NDF: 6606710.3/40

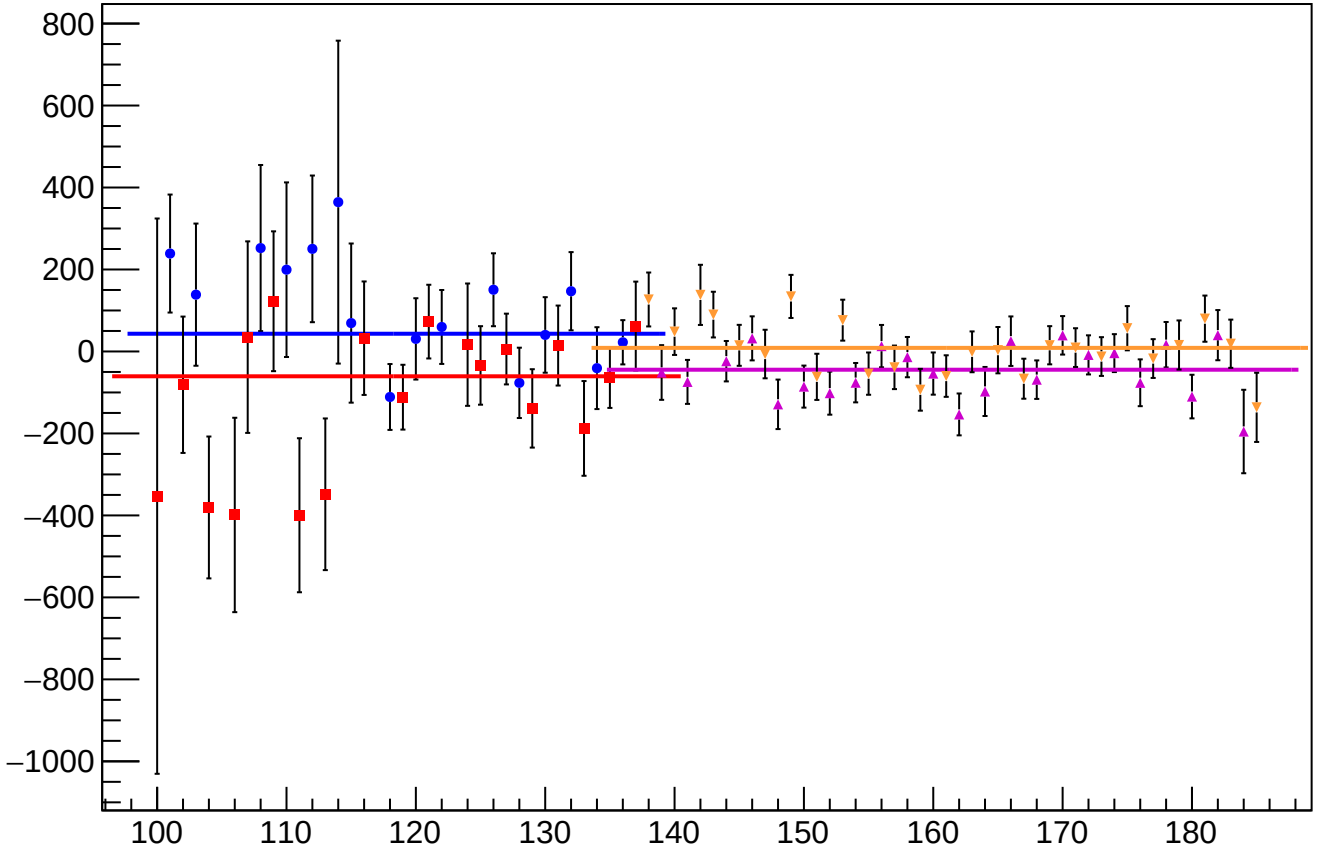
All: 41.754+/-0.005 χ^2/NDF: 12952560.8/82

- sign 40.814+/-0.006 χ^2/NDF: 6301261.4/41


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:37.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.5/18
Left In: -0.000+/-0.000 χ²/NDF:28.4/22
+ sign -0.000+/-0.000 χ²/NDF: 60.8/40
All: -0.000+/-0.000 χ²/NDF: 129.4/82
- sign -0.000+/-0.000 χ²/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:2206266.5/24
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: 5671746.1/40
All: 0.000+/-0.000 χ²/NDF: 13962940.3/82
- 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: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

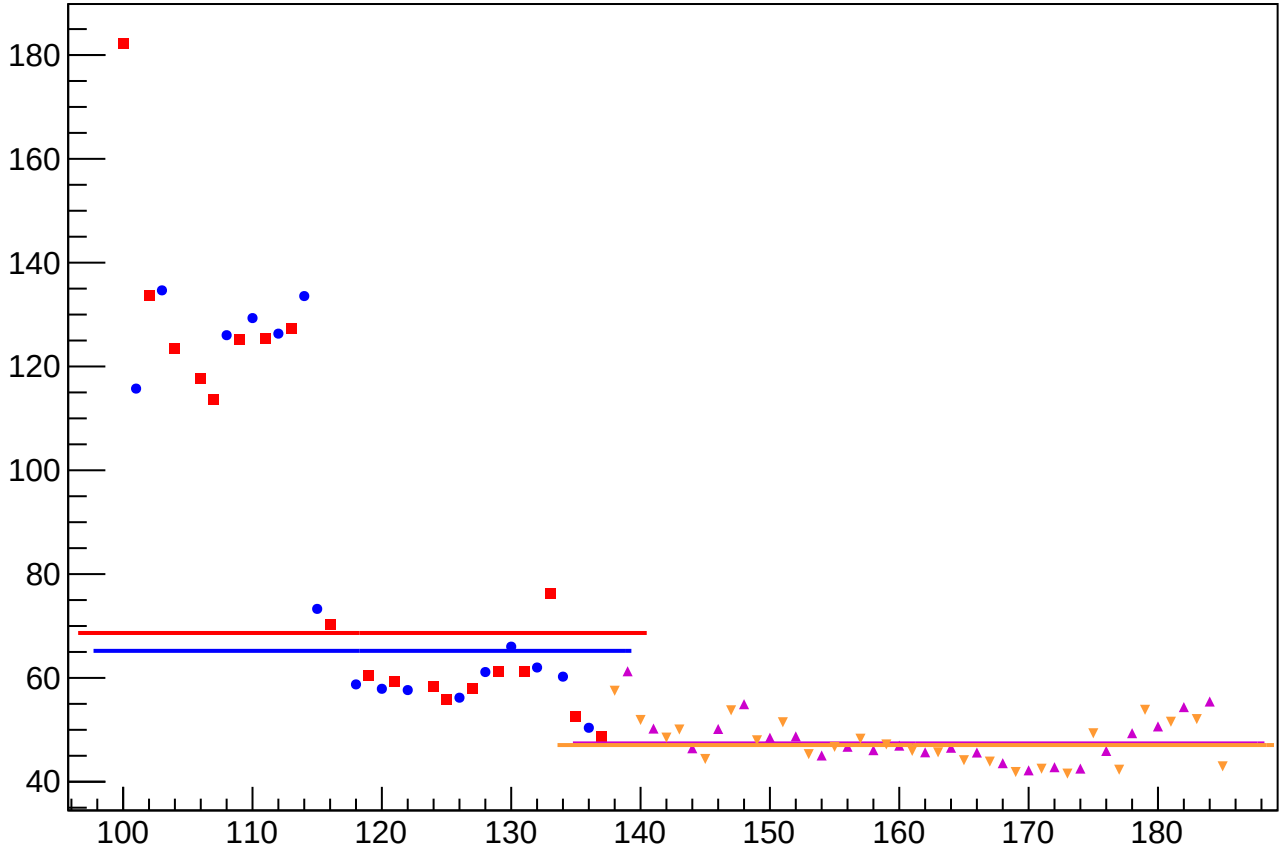
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.880+/-9.937 χ^2/NDF: 51.1/40

All: -15.421+/-7.151 χ^2/NDF: 116.8/82

- 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: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

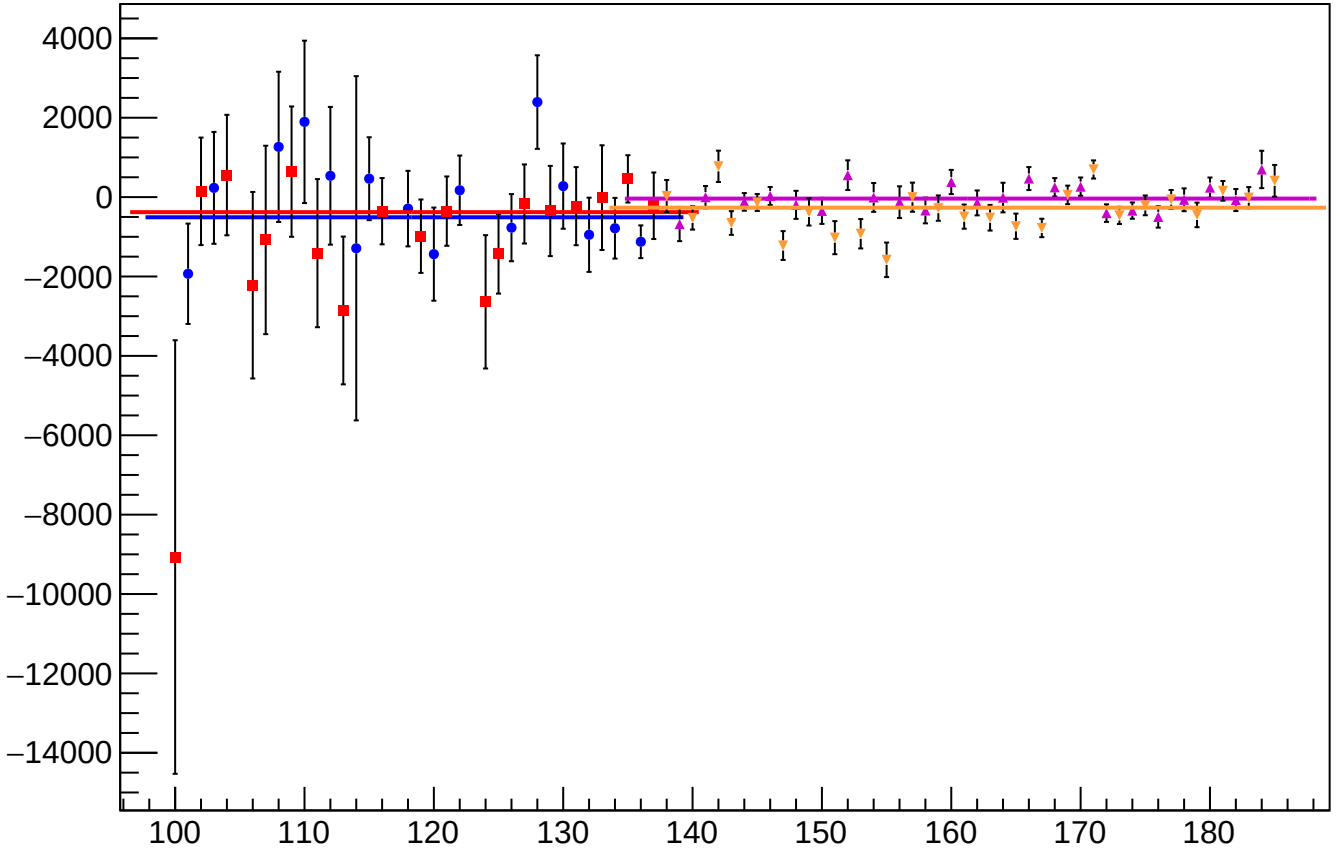
Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.761+/-0.007 χ^2/NDF: 2577944.7/40

All: 50.119+/-0.005 χ^2/NDF: 5563063.3/82

- 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: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

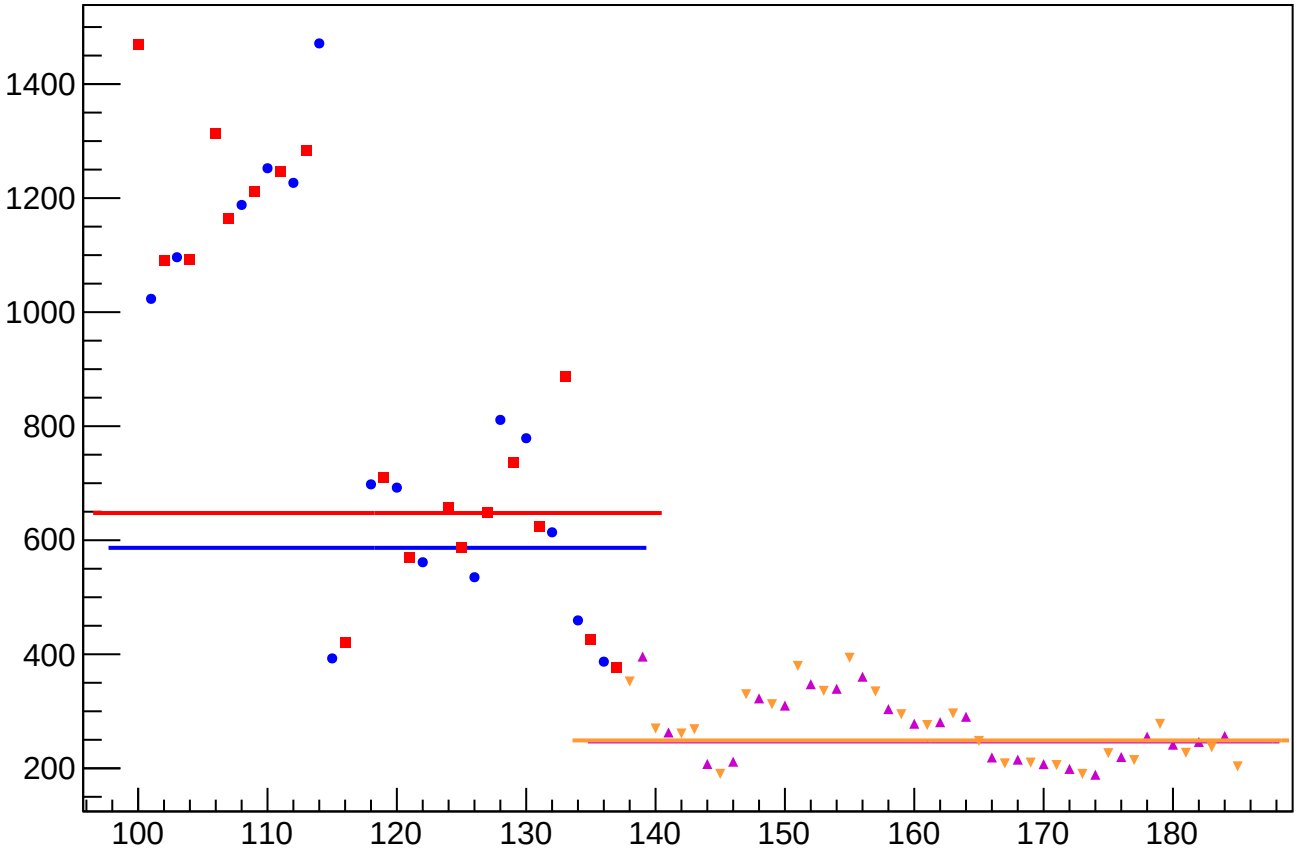
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -279.392+/-56.365 χ^2/NDF: 86.4/40

All: -169.608+/-40.301 χ^2/NDF: 134.2/82

- 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: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

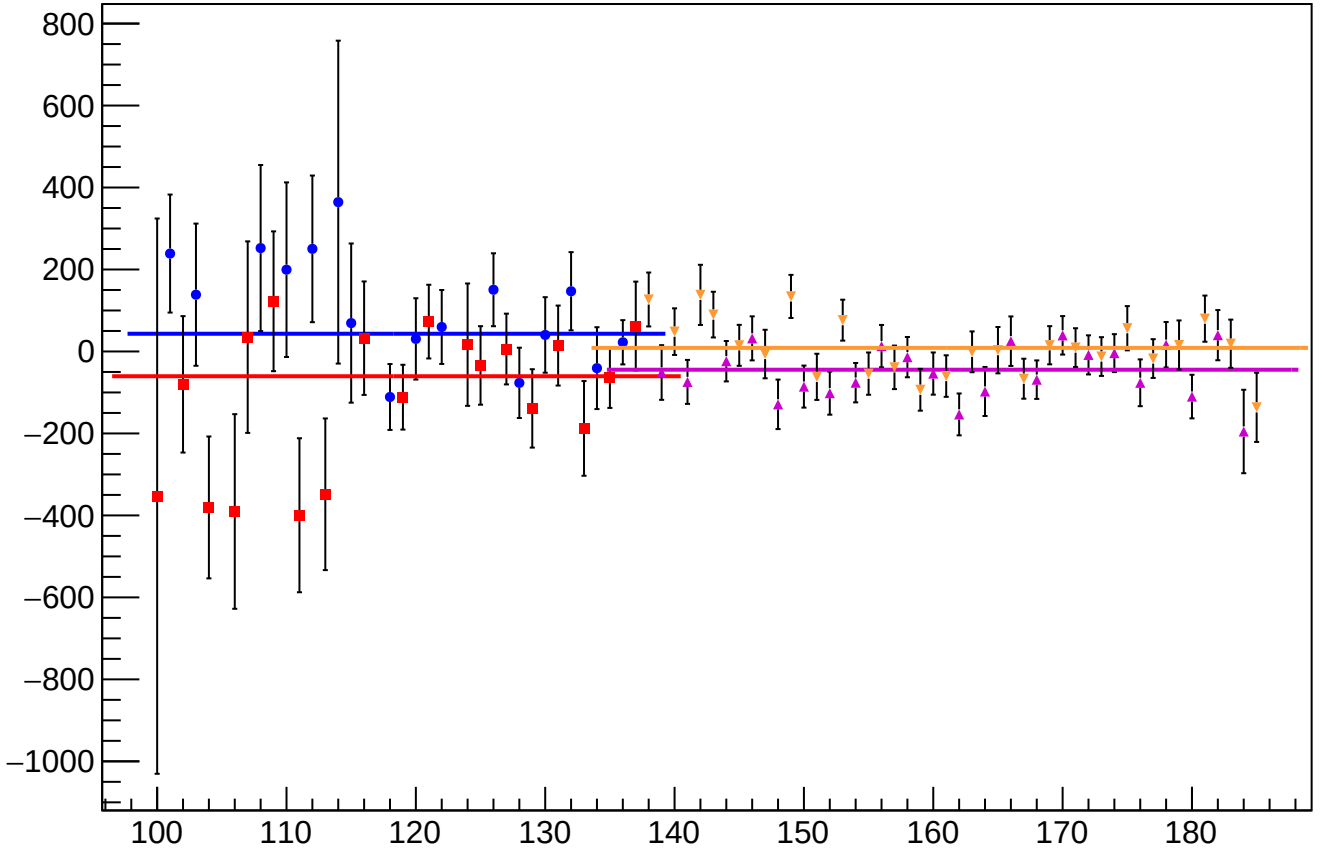
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 268.004+/-0.040 χ^2/NDF: 7550725.0/40

All: 267.688+/-0.028 χ^2/NDF: 15776748.1/82

- 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: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

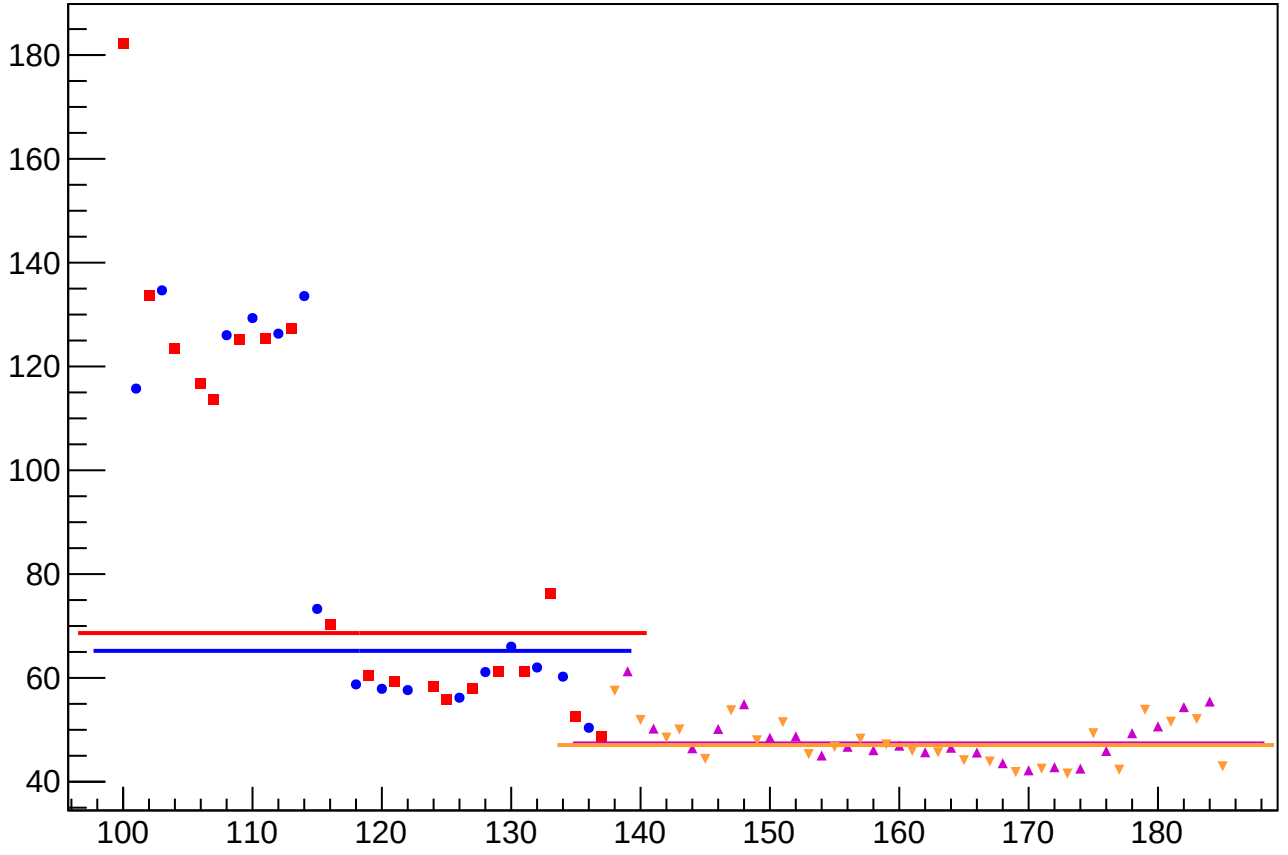
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.881+/-9.937 χ^2/NDF: 51.1/40

All: -15.410+/-7.151 χ^2/NDF: 116.7/82

- 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: 47.064+/-0.008 χ^2/NDF:287590.7/24

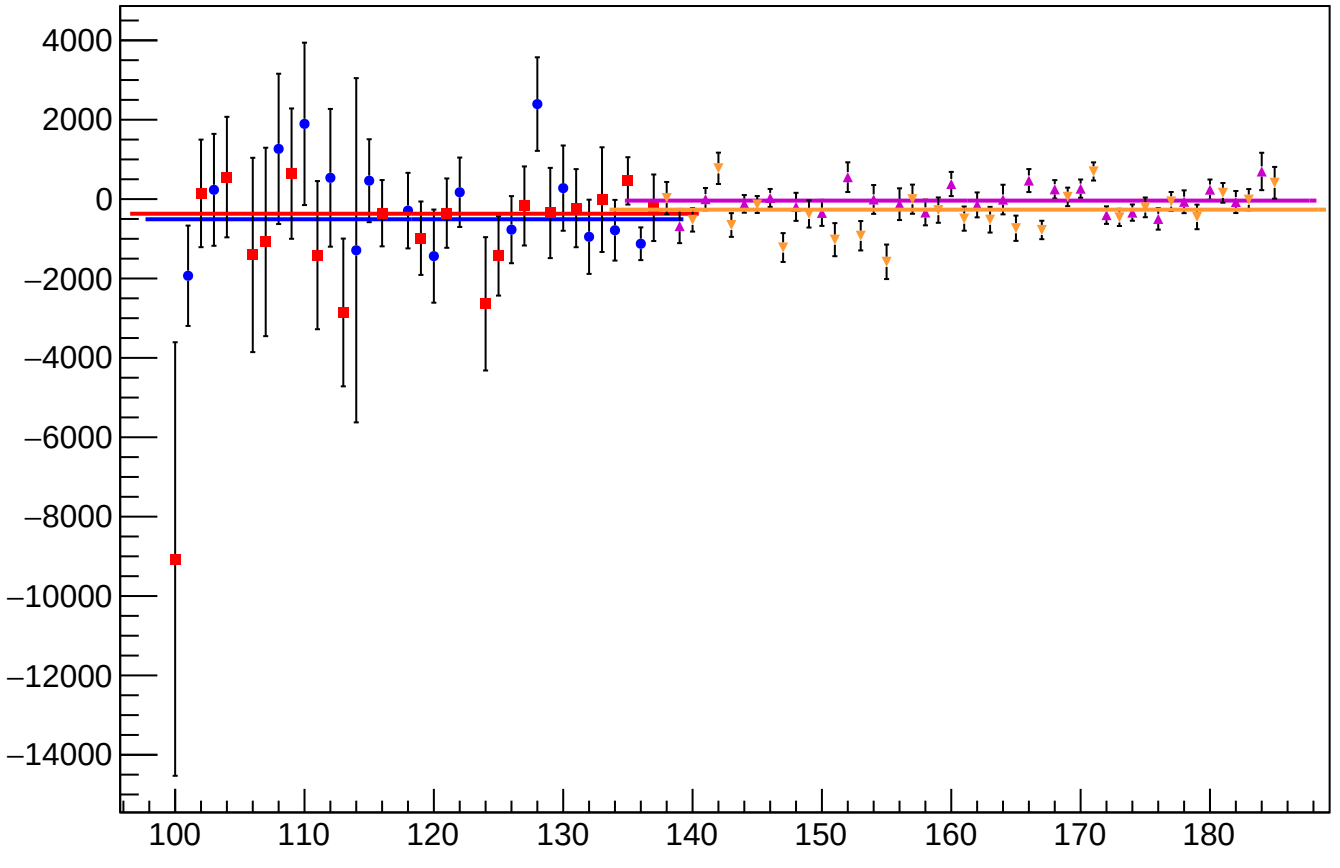
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.761+/-0.007 χ^2/NDF: 2577946.7/40

All: 50.117+/-0.005 χ^2/NDF: 5558190.6/82

- 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: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

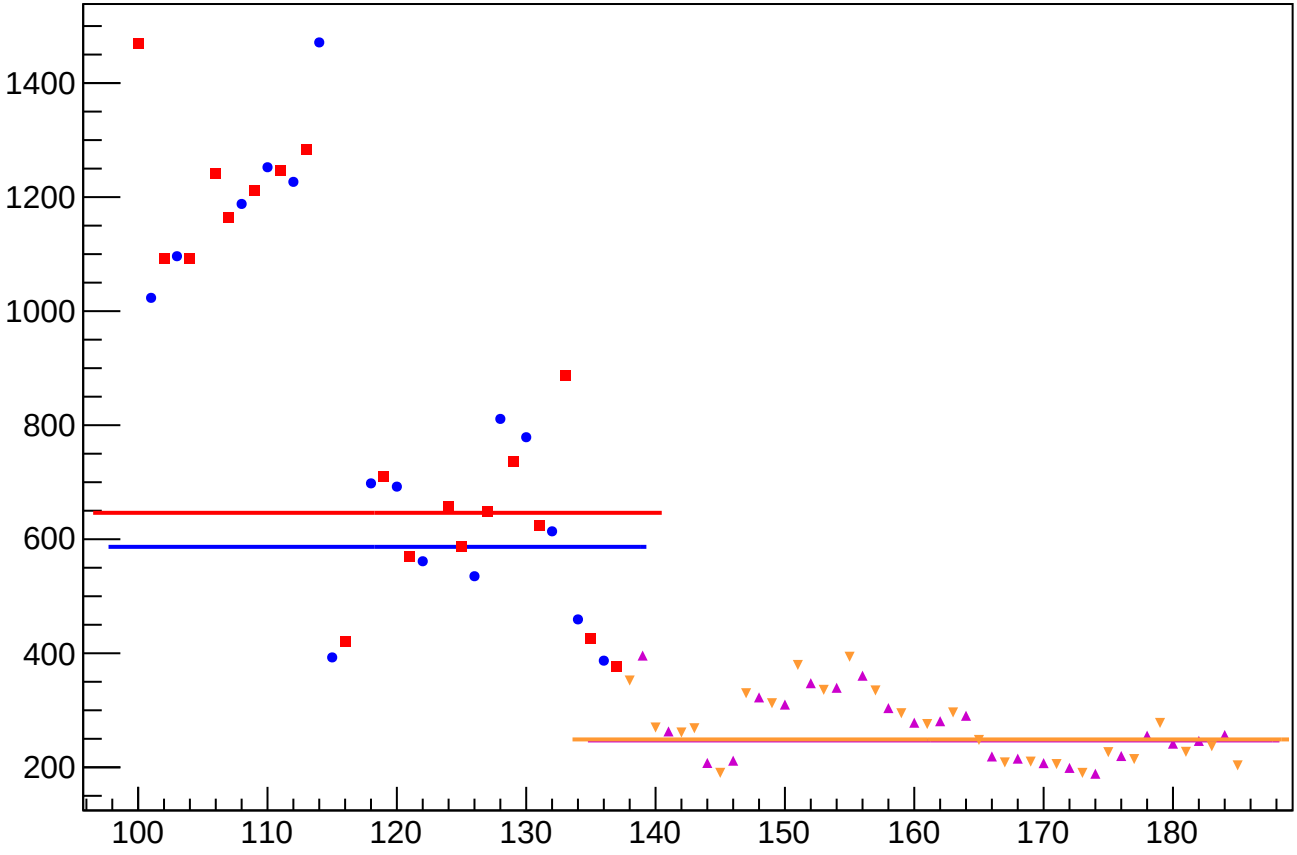
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -279.387+/-56.365 χ^2/NDF: 86.4/40

All: -169.339+/-40.302 χ^2/NDF: 133.7/82

- 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: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

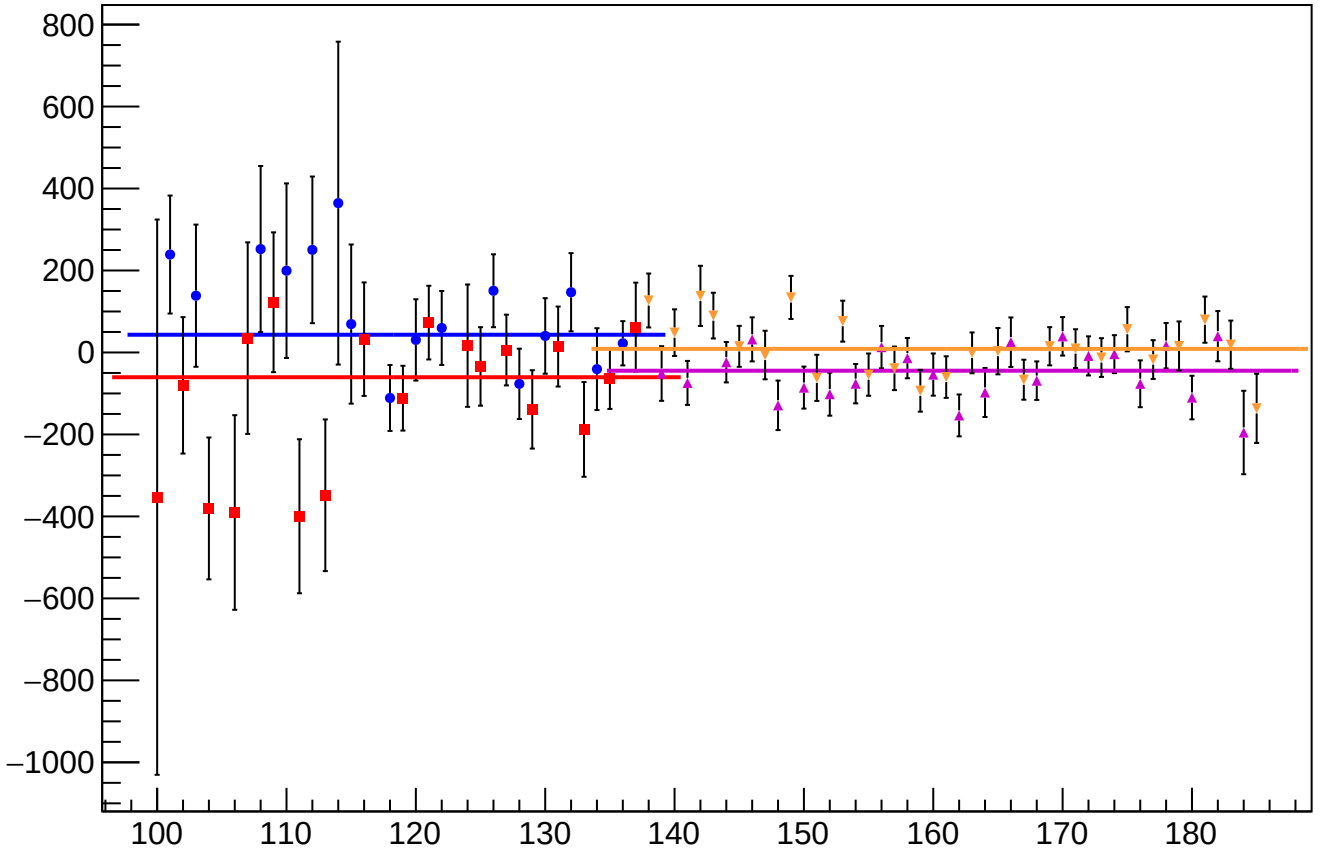
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 268.004+/-0.040 χ^2/NDF: 7550756.6/40

All: 267.644+/-0.028 χ^2/NDF: 15697503.3/82

- 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: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

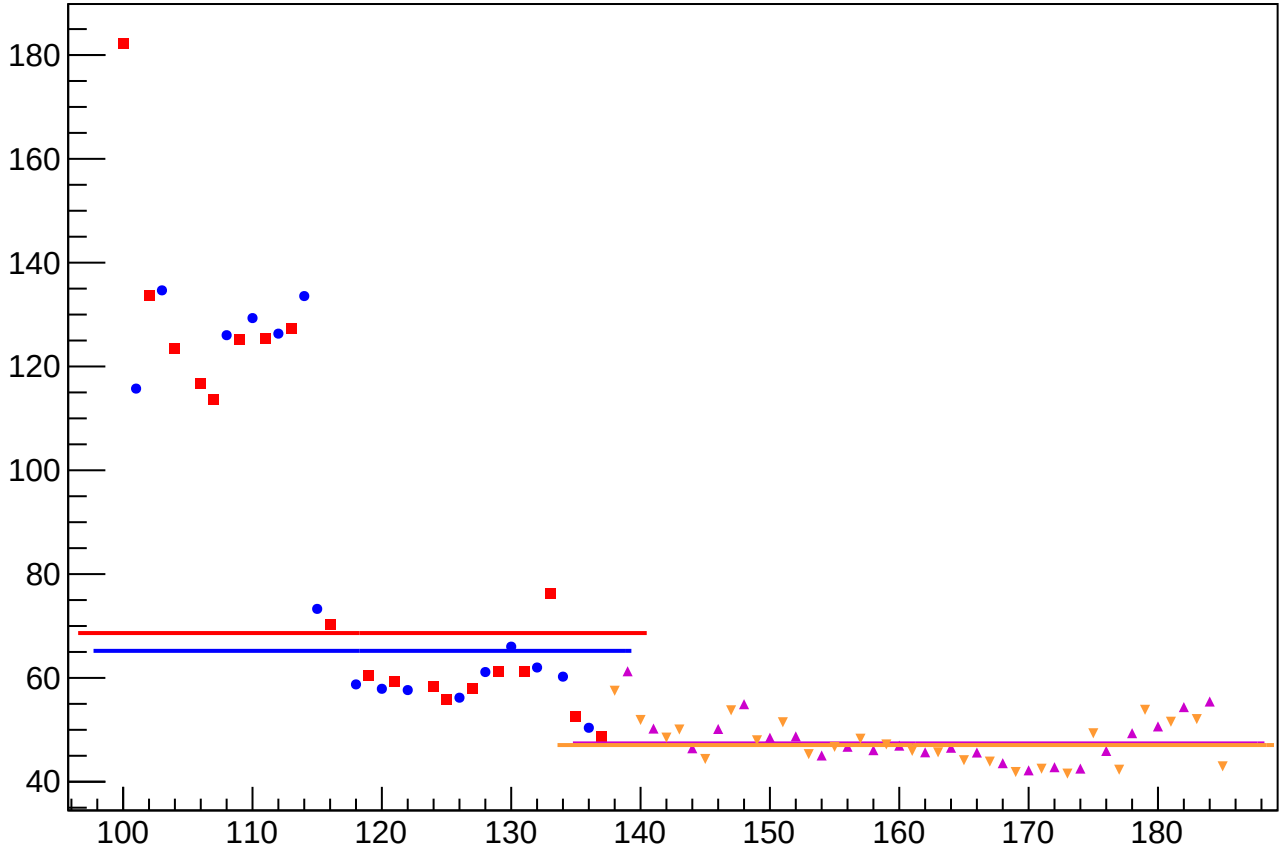
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.881+/-9.937 χ^2/NDF: 51.1/40

All: -15.410+/-7.151 χ^2/NDF: 116.7/82

- 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: 47.064+/-0.008 χ^2/NDF:287590.7/24

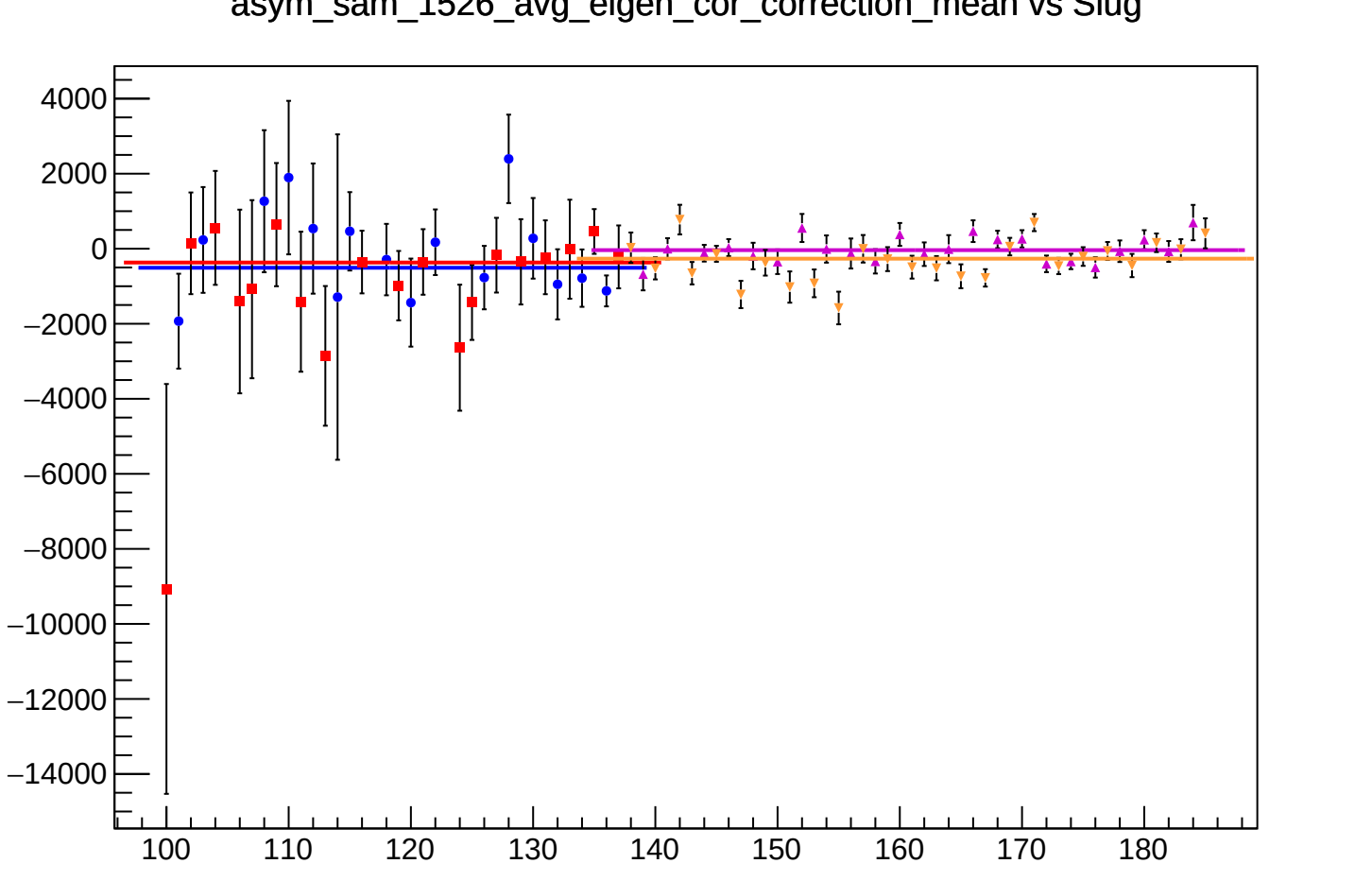
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.761+/-0.007 χ^2/NDF: 2577946.7/40

All: 50.117+/-0.005 χ^2/NDF: 5558190.6/82

- 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: -265.680+/-58.031 χ^2/NDF:69.8/24

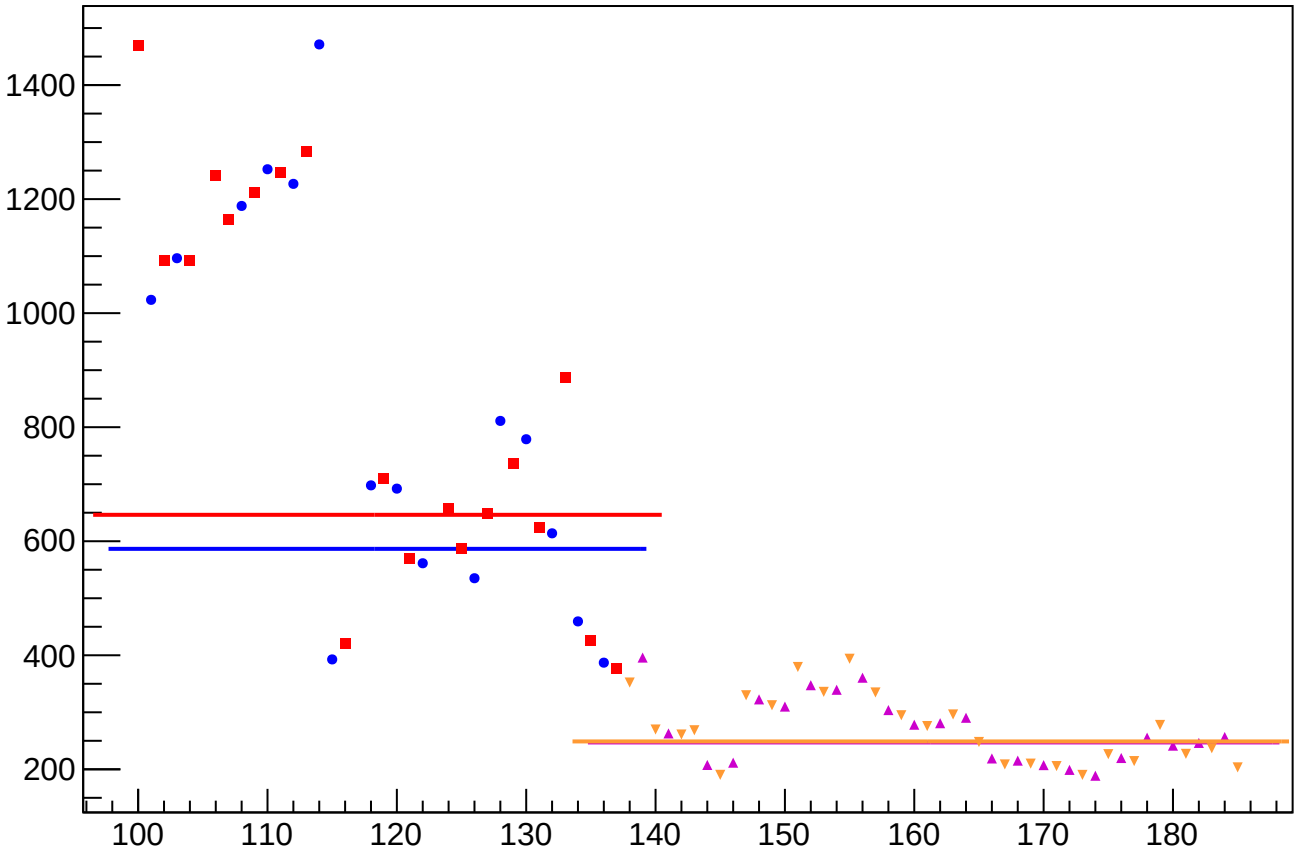
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -279.387+/-56.365 χ^2/NDF: 86.4/40

All: -169.339+/-40.302 χ^2/NDF: 133.7/82

- 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: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

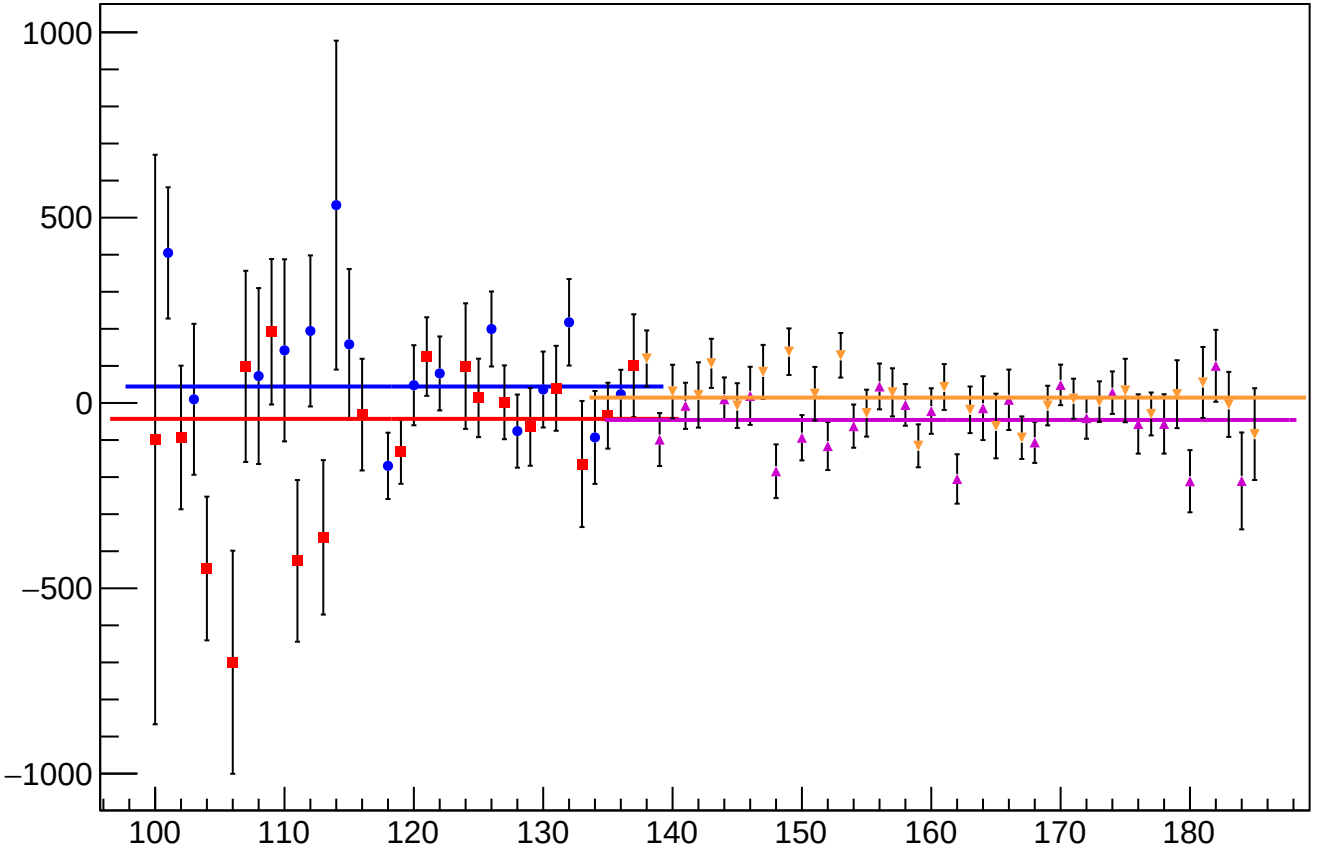
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 268.004+/-0.040 χ^2/NDF: 7550756.6/40

All: 267.644+/-0.028 χ^2/NDF: 15697503.3/82

- 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: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

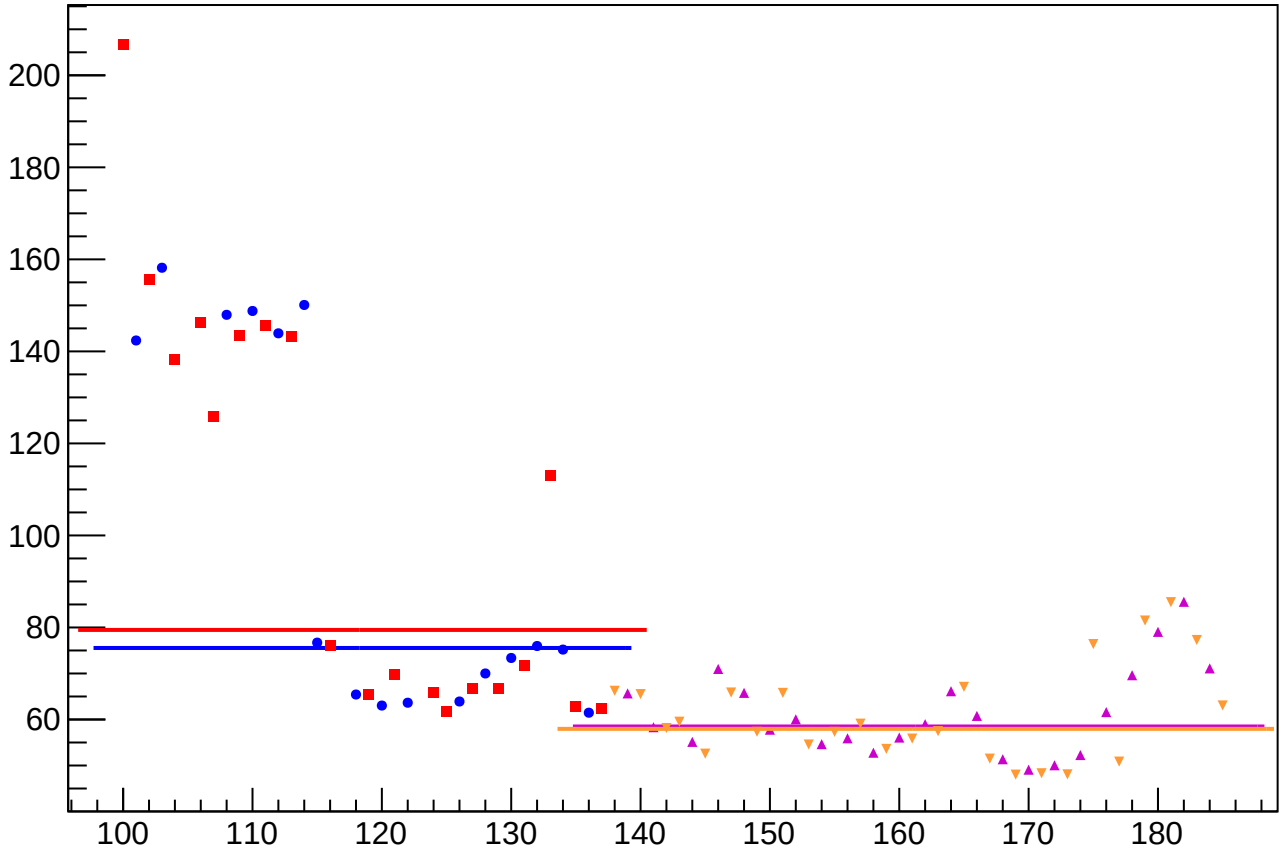
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.529+/-12.270 χ^2/NDF: 45.0/40

All: -11.720+/-8.832 χ^2/NDF: 112.5/82

- 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: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

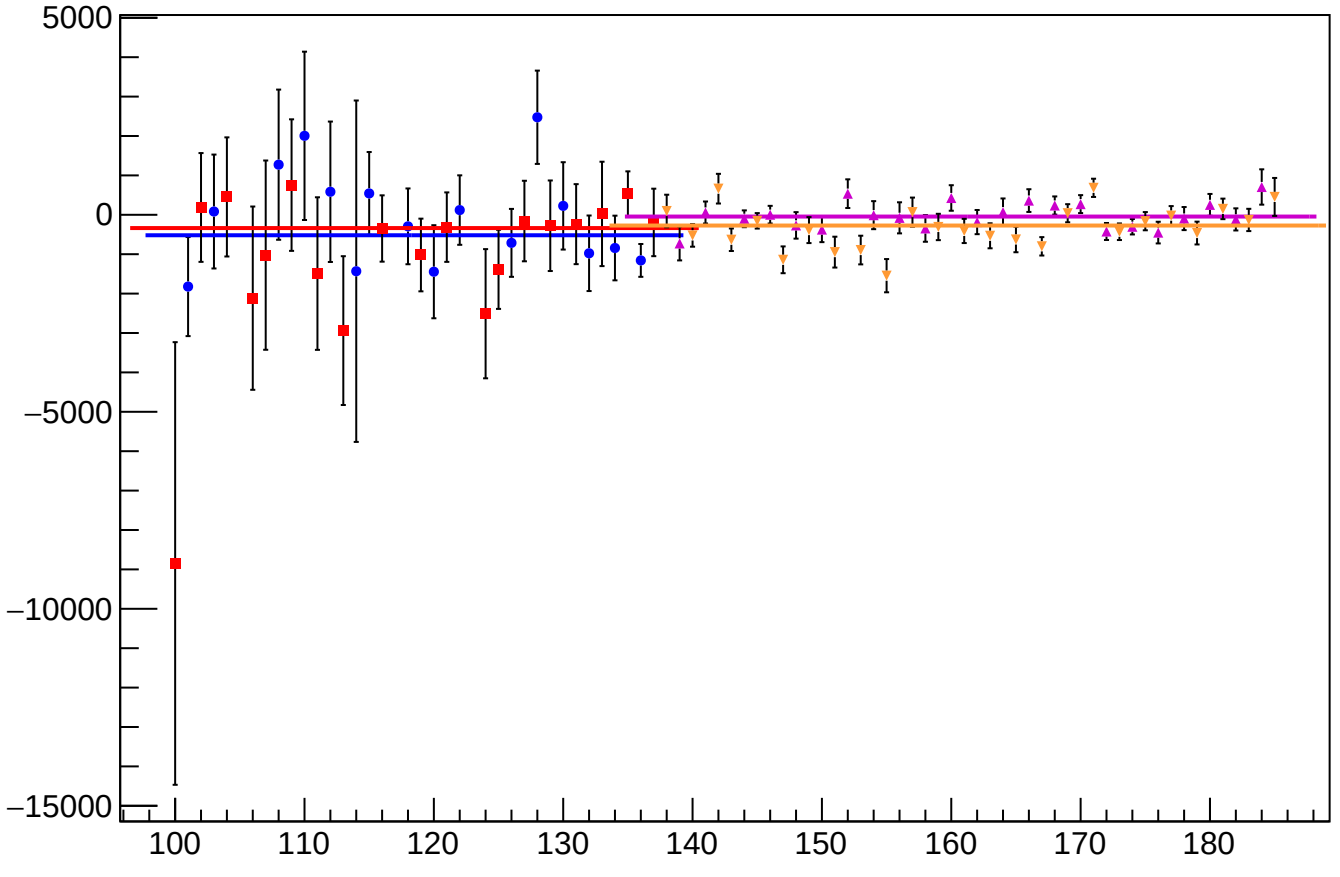
Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 60.924+/-0.009 χ^2/NDF: 2937137.7/40

All: 61.423+/-0.006 χ^2/NDF: 6030072.2/82

- sign 61.959+/-0.009 χ^2/NDF: 3086080.6/41

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

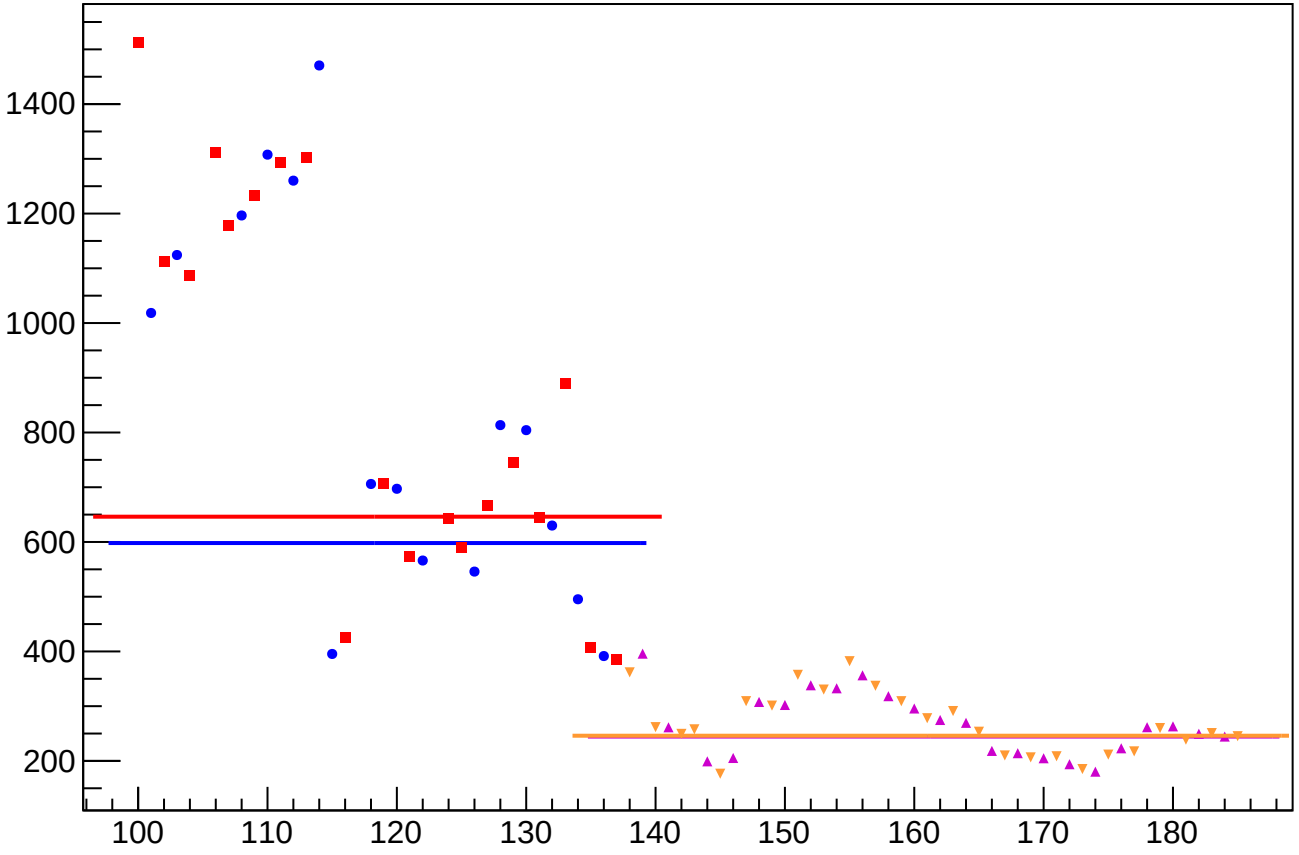
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -285.671+/-55.726 χ^2/NDF: 82.6/40

All: -175.200+/-39.896 χ^2/NDF: 130.3/82

- 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: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

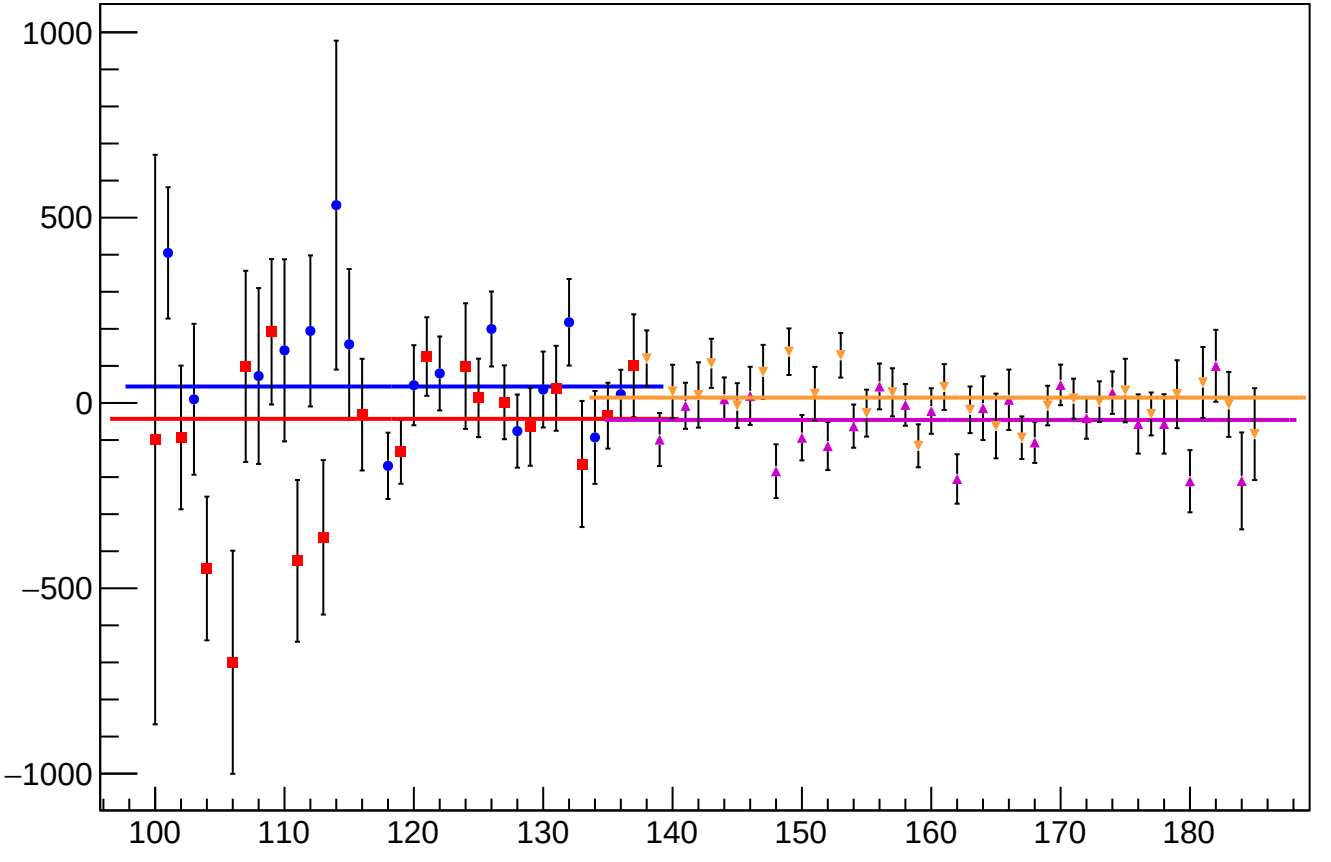
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 264.789+/-0.039 χ^2/NDF: 7757500.3/40

All: 264.585+/-0.028 χ^2/NDF: 16218634.9/82

- 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: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

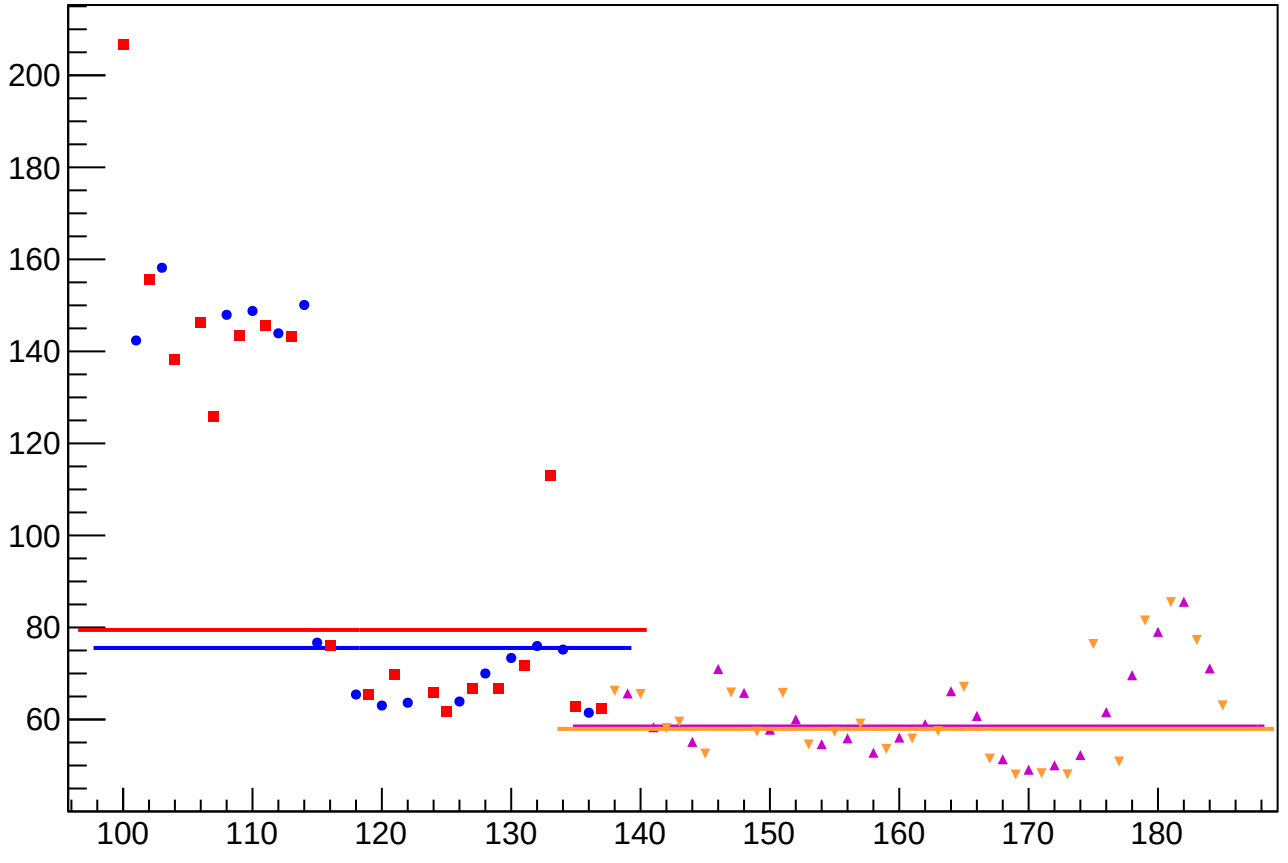
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.528+/-12.270 χ^2/NDF: 45.0/40

All: -11.720+/-8.832 χ^2/NDF: 112.5/82

- 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: 57.965+/-0.010 χ^2/NDF:896952.8/24

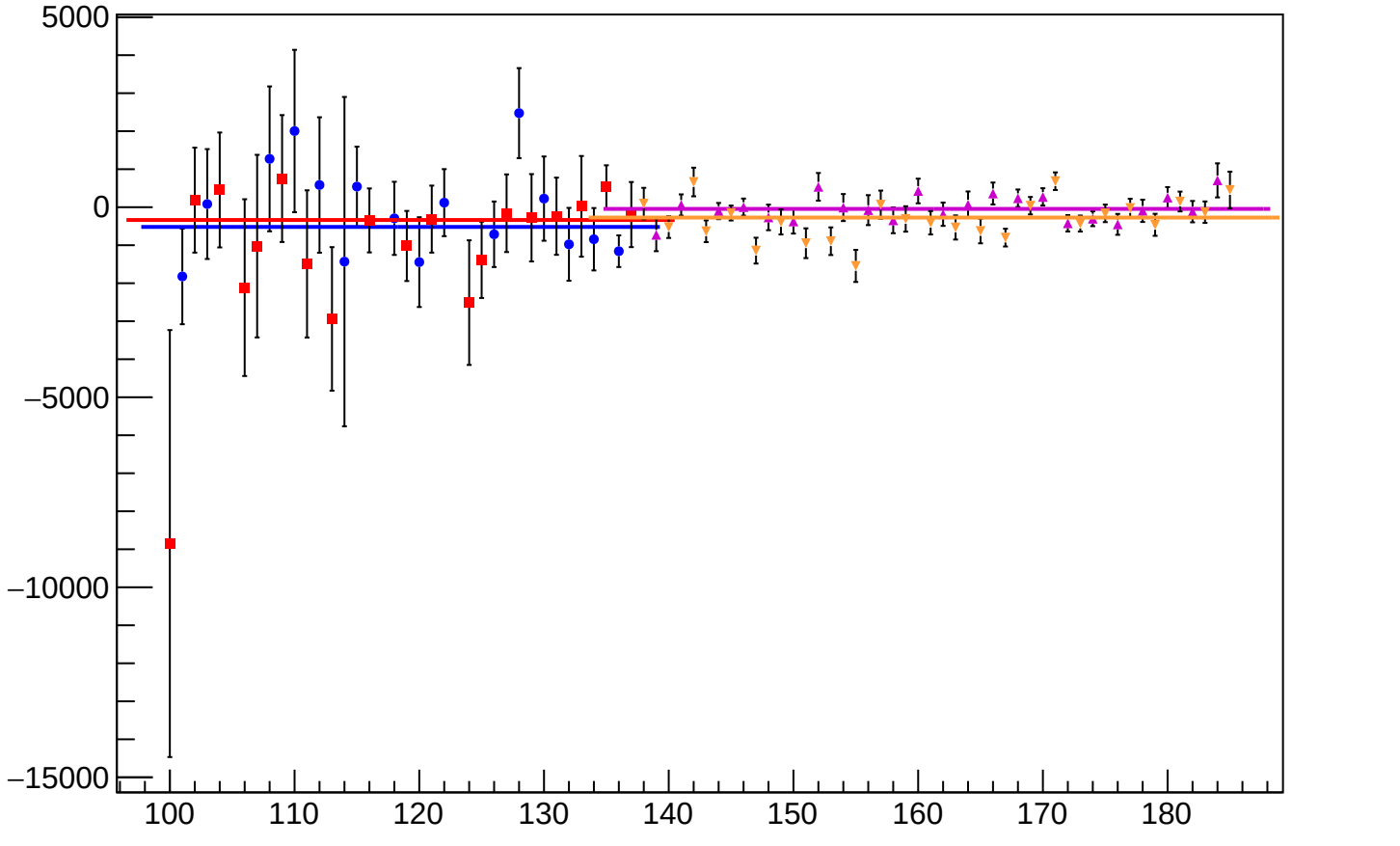
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 60.924+/-0.009 χ^2/NDF: 2937105.8/40

All: 61.423+/-0.006 χ^2/NDF: 6029997.4/82

- 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: -272.512+/-57.274 χ^2/NDF:65.8/24

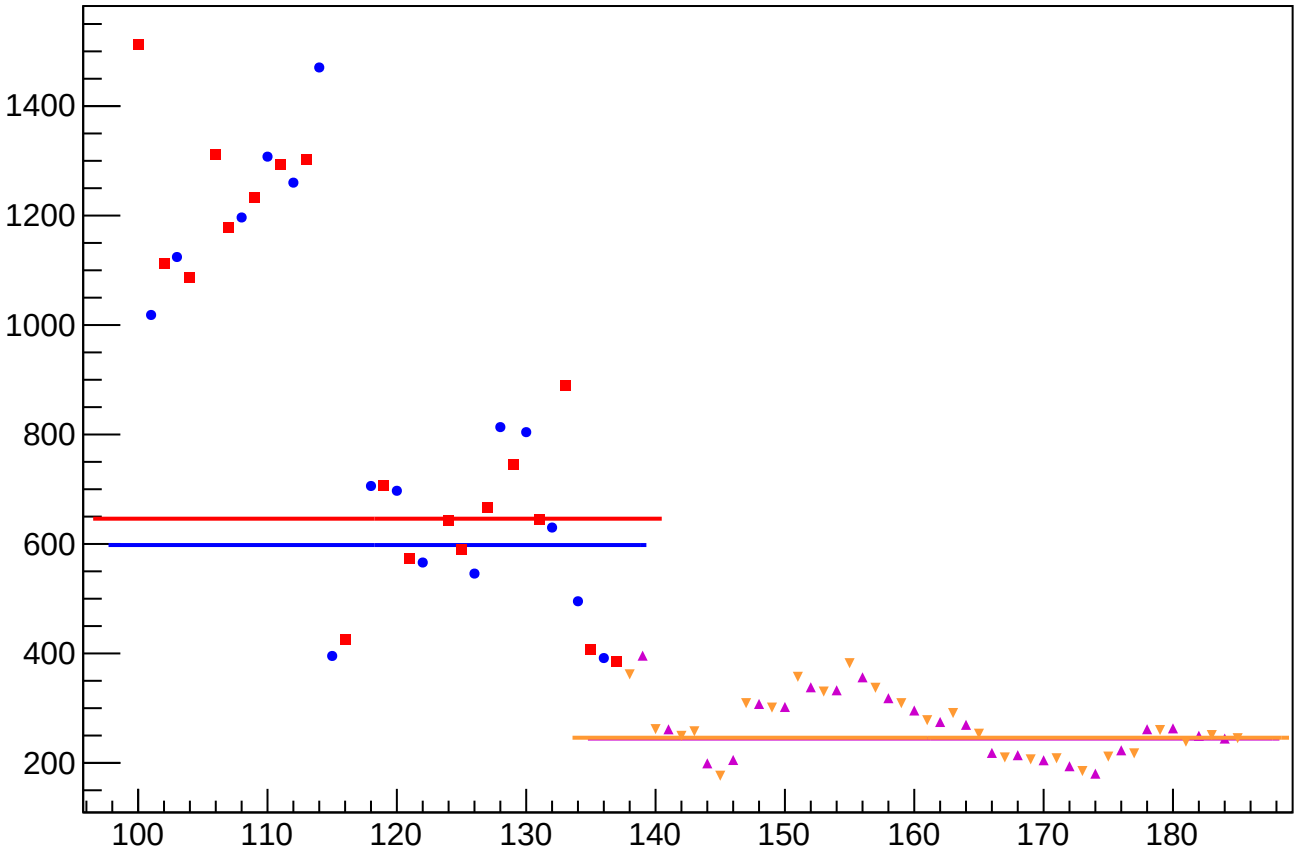
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -285.670+/-55.726 χ^2/NDF: 82.6/40

All: -175.199+/-39.896 χ^2/NDF: 130.3/82

- 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: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

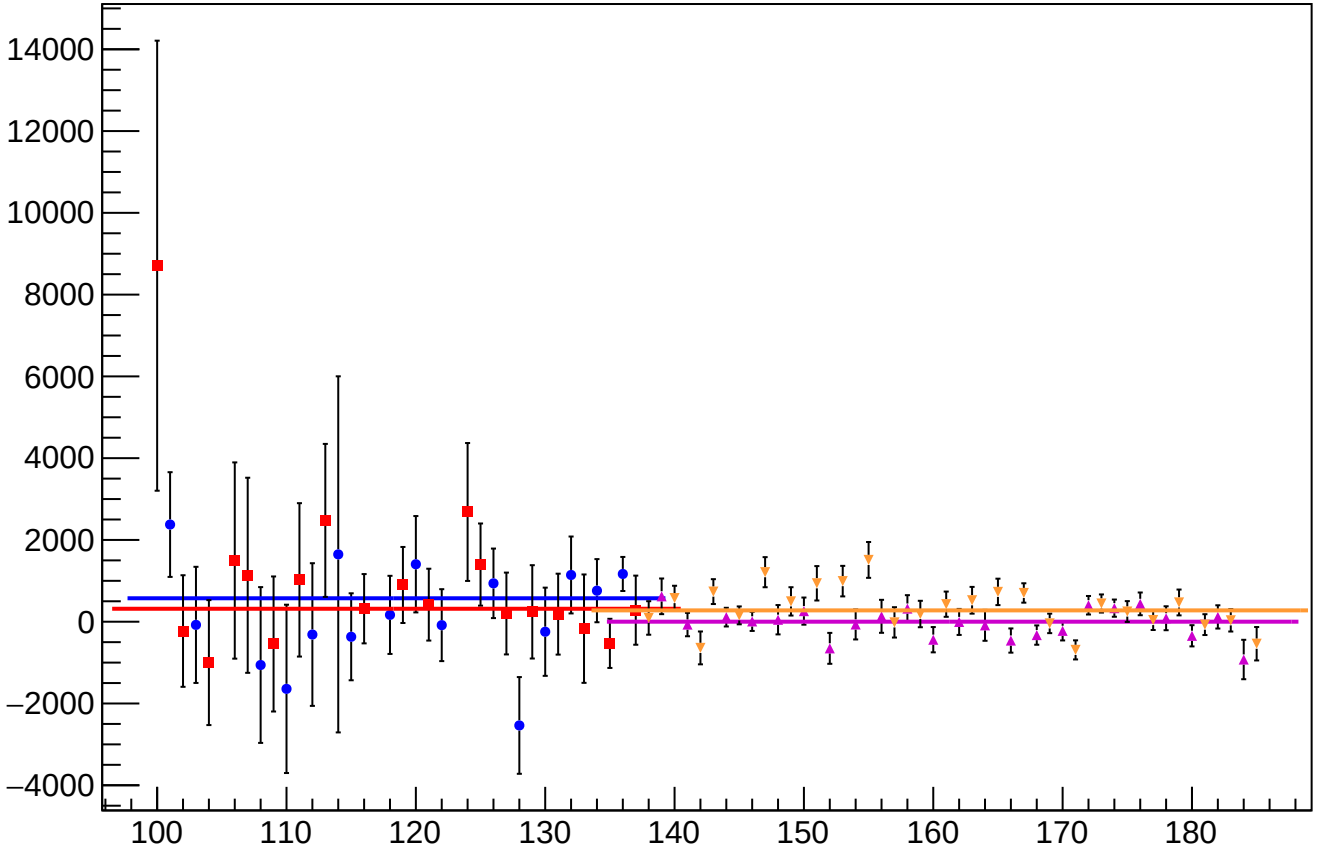
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 264.788+/-0.039 χ^2/NDF: 7757493.7/40

All: 264.584+/-0.028 χ^2/NDF: 16218609.4/82

- 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: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

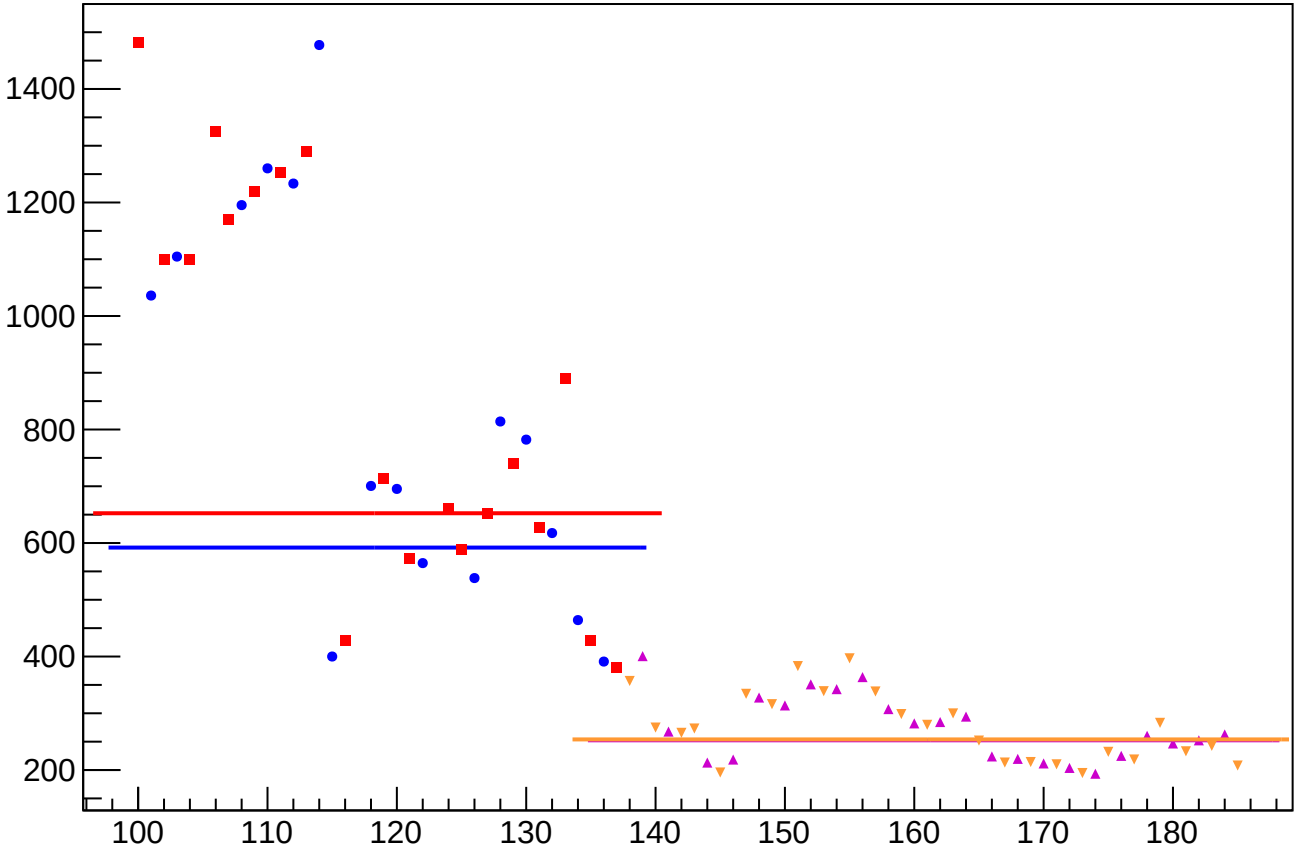
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 294.188+/-57.415 χ^2/NDF: 82.1/40

All: 158.800+/-41.070 χ^2/NDF: 134.0/82

- 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: 253.953+/-0.042 χ^2/NDF:1590761.5/24

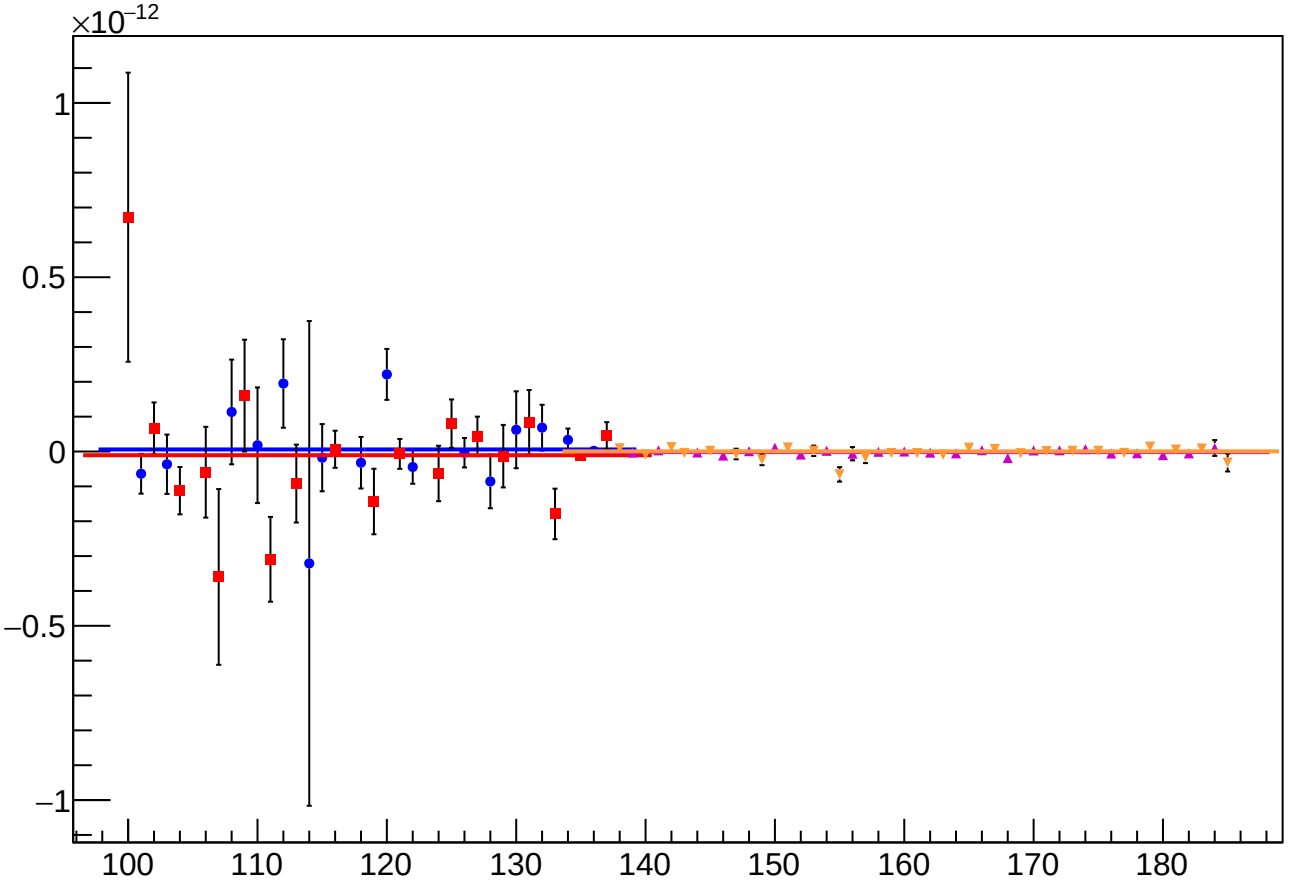
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 273.474+/-0.041 χ^2/NDF: 7398479.2/40

All: 273.297+/-0.029 χ^2/NDF: 15452218.5/82

- 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:26.9/24

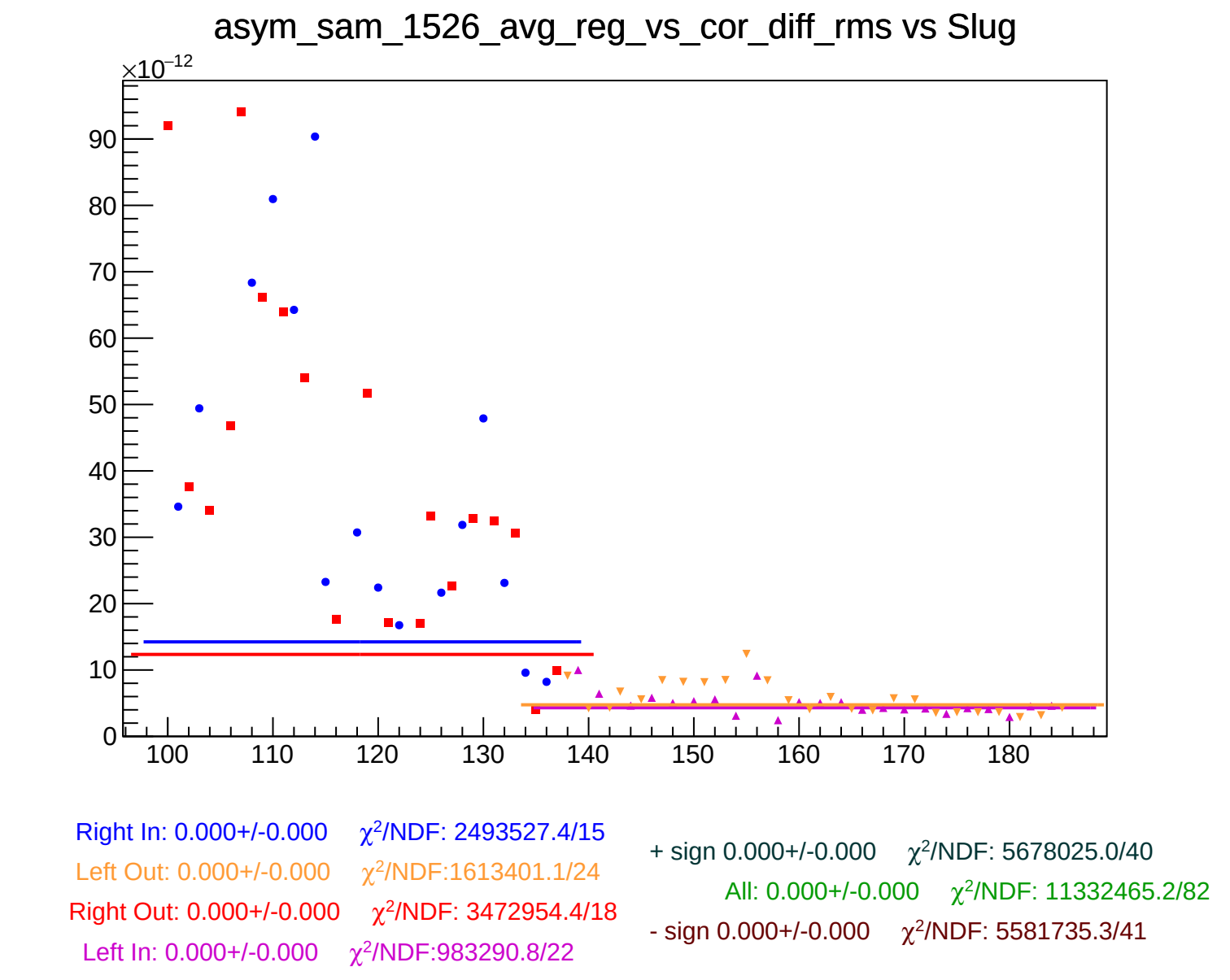
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

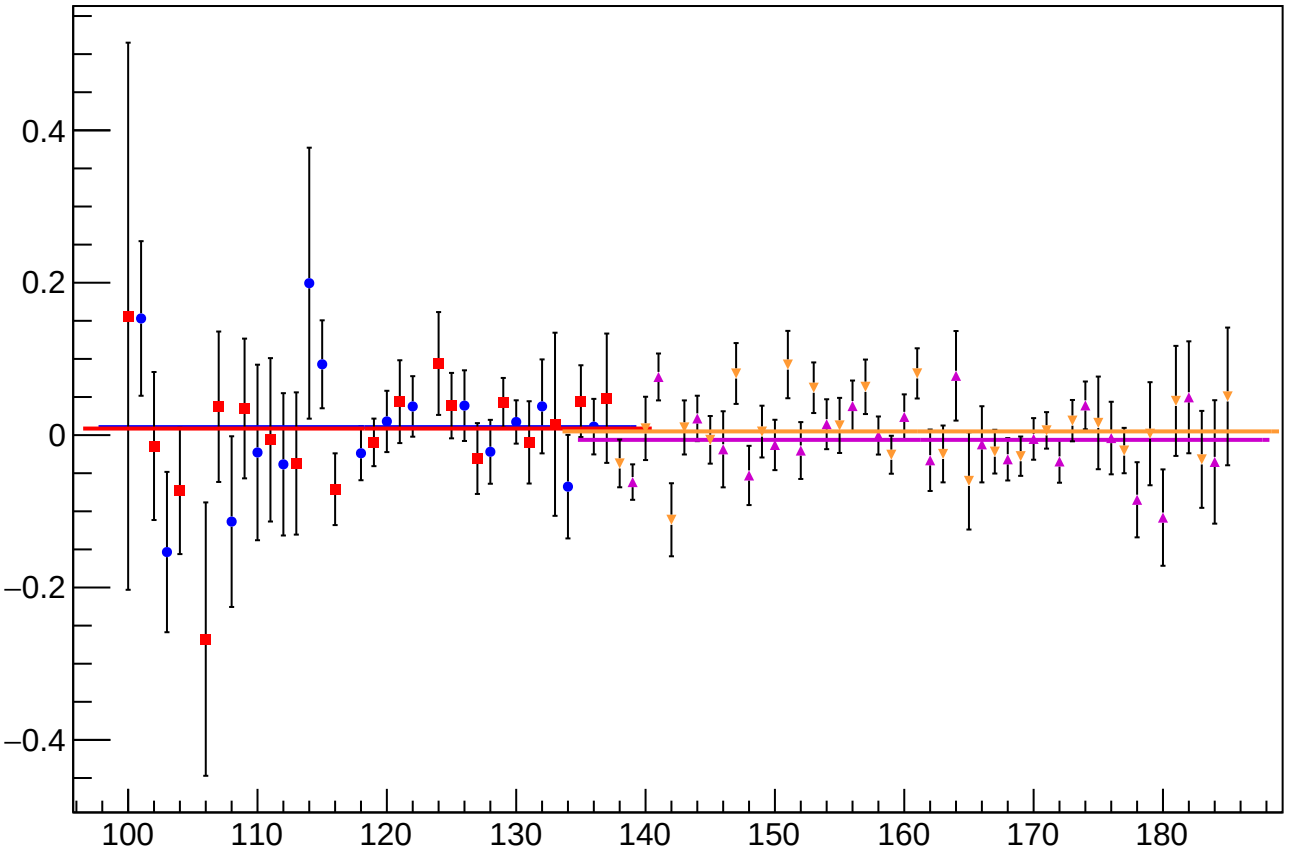
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.4/40

All: -0.000+/-0.000 χ^2/NDF: 90.5/82

- 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:1613401.1/24
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: 5678025.0/40
All: 0.000+/-0.000 χ²/NDF: 11332465.2/82
- 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:34.0/24

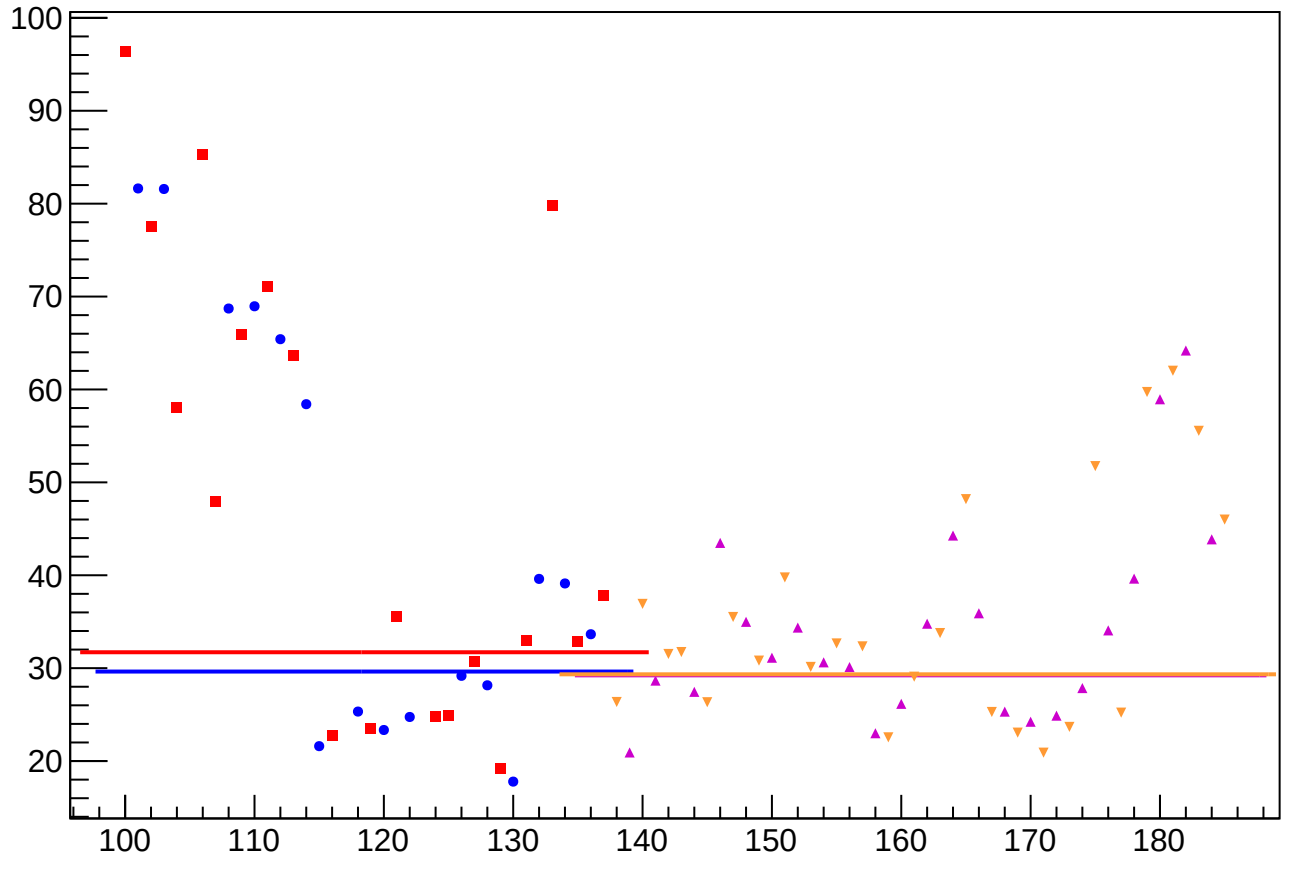
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.3/40

All: 0.002+/-0.004 χ^2/NDF: 92.7/82

- 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: 29.338+/-0.005 χ^2/NDF:2687159.2/24

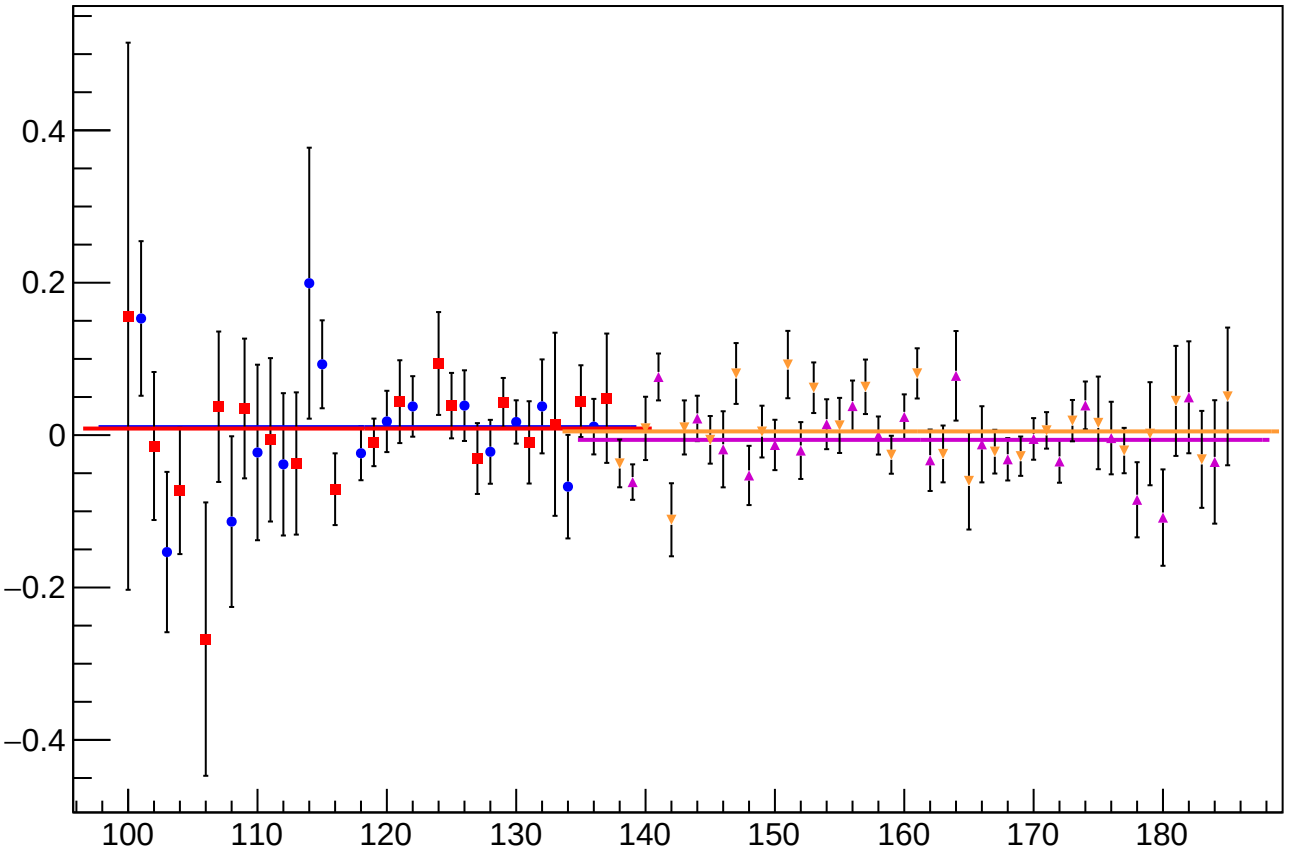
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.410+/-0.004 χ^2/NDF: 5136475.1/40

All: 29.600+/-0.003 χ^2/NDF: 9943690.7/82

\- 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:34.0/24

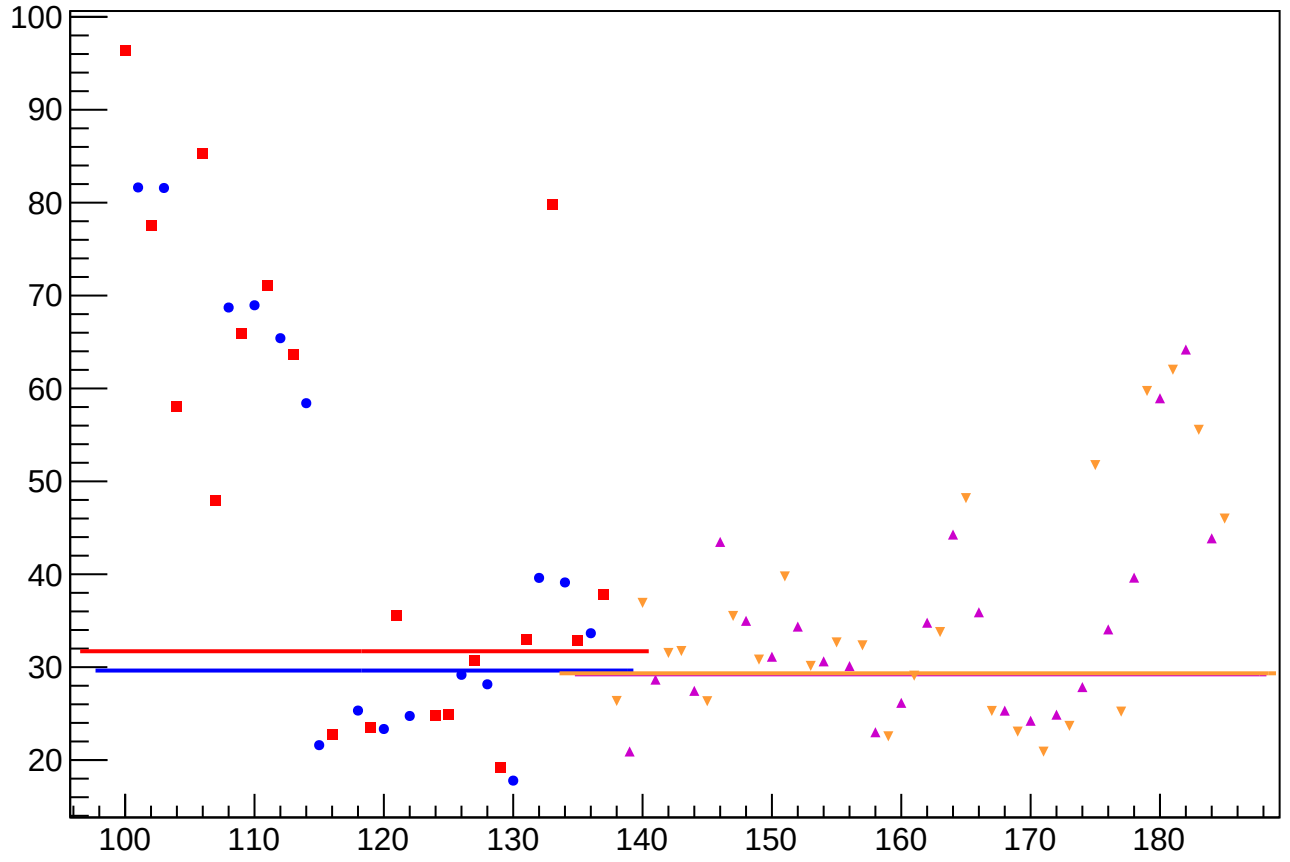
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.3/40

All: 0.002+/-0.004 χ^2/NDF: 92.7/82

- 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: 29.338+/-0.005 χ^2/NDF:2687159.2/24

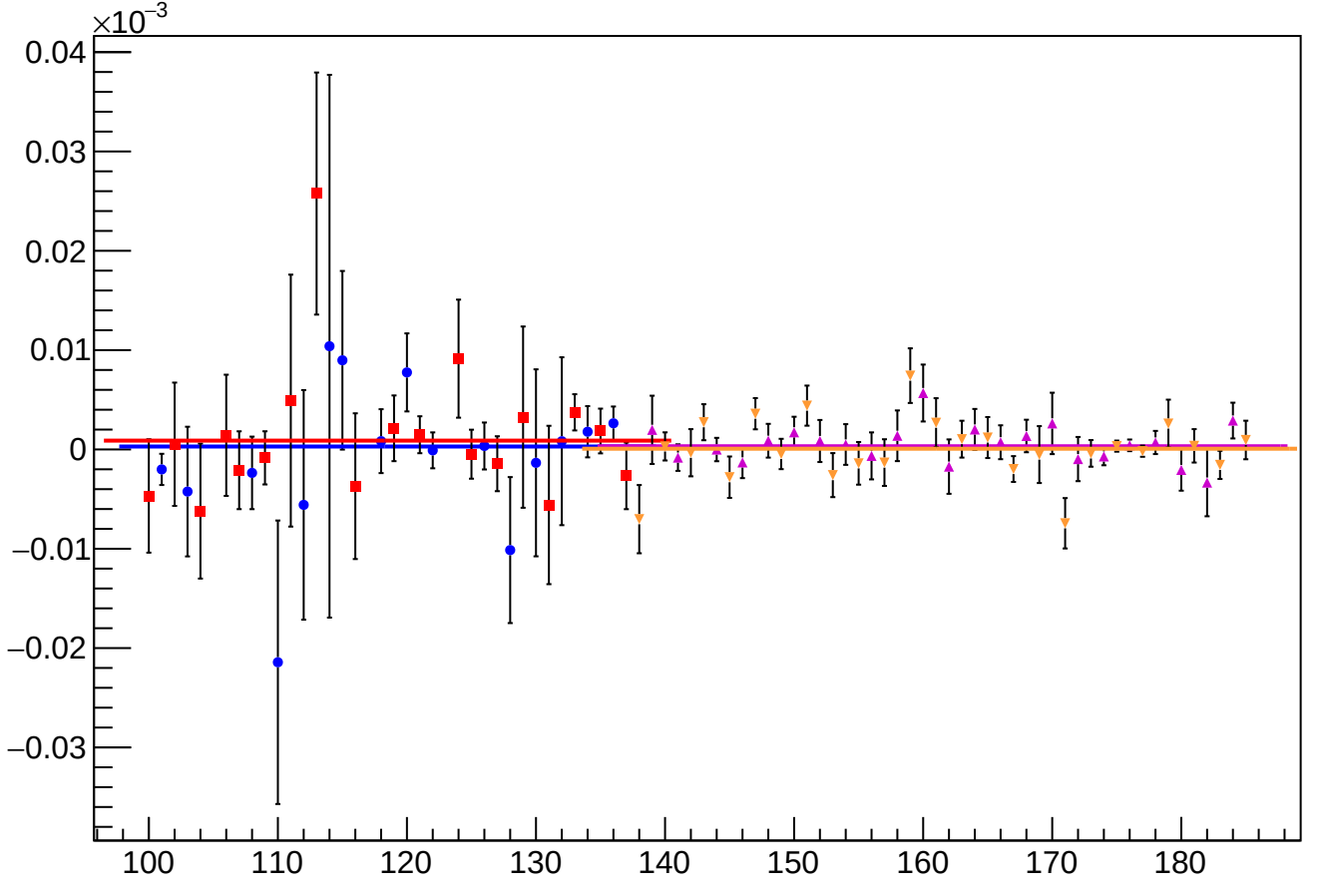
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.410+/-0.004 χ^2/NDF: 5136475.1/40

All: 29.600+/-0.003 χ^2/NDF: 9943690.7/82

\- 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:43.7/24

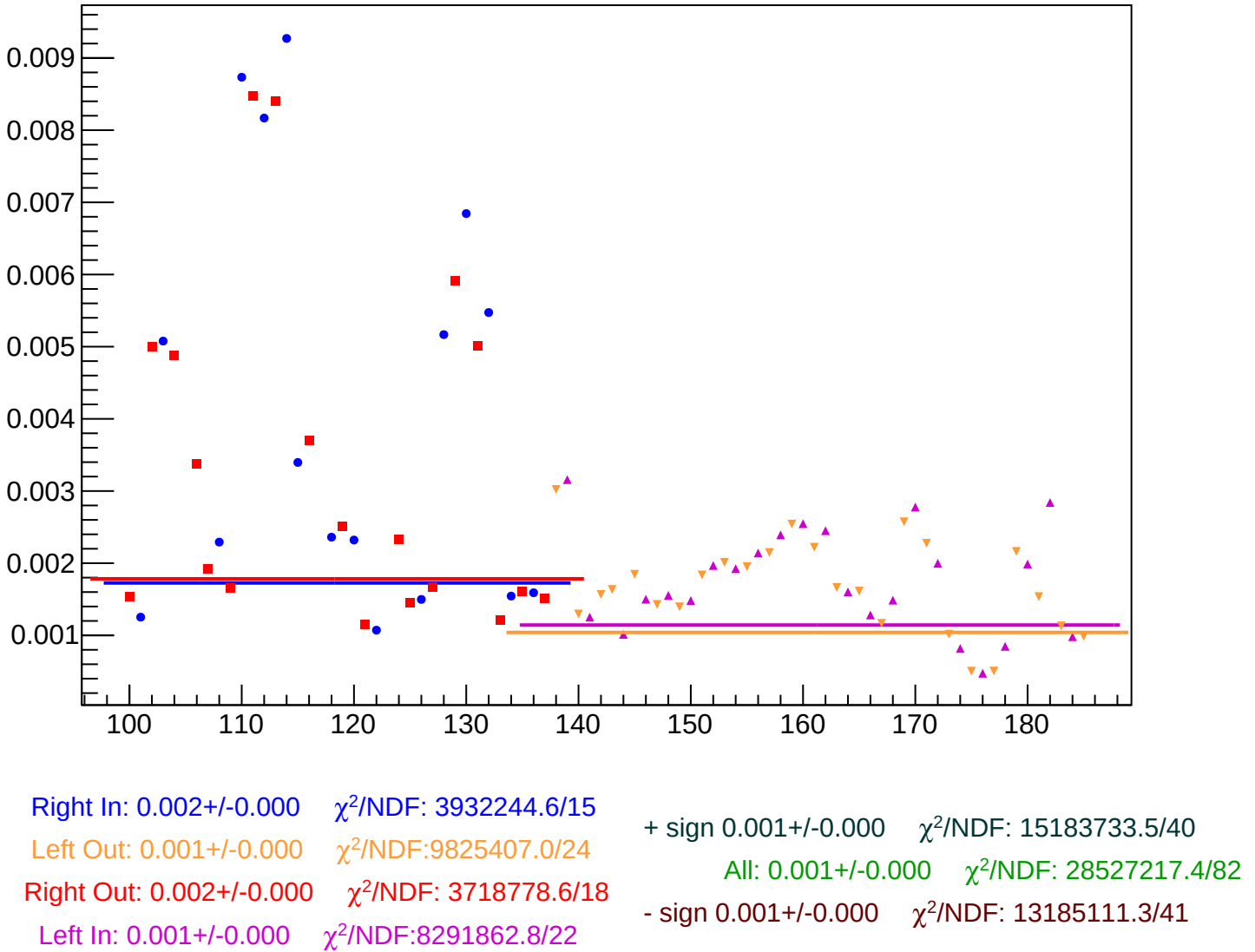
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

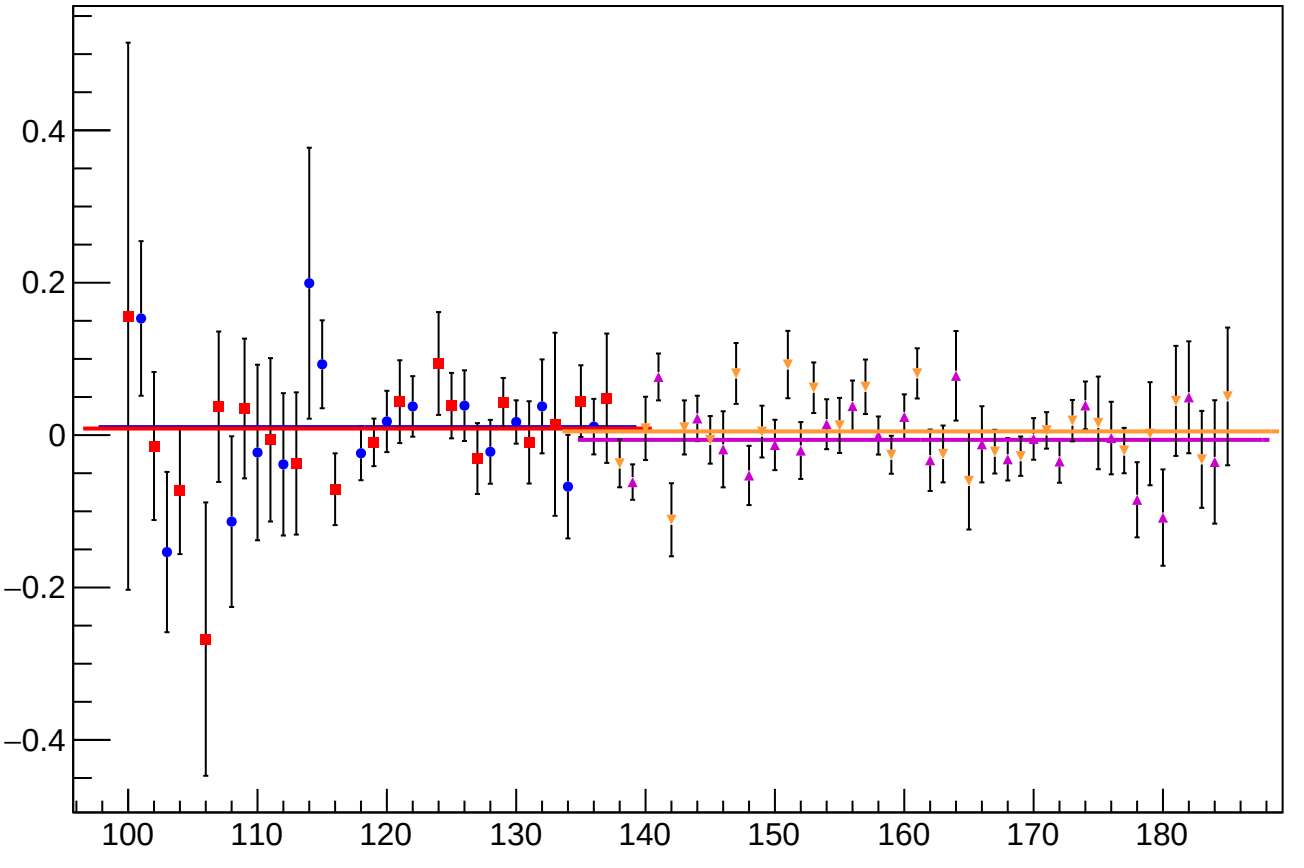
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.6/40

All: 0.000+/-0.000 χ^2/NDF: 90.5/82

- sign 0.000+/-0.000 χ^2/NDF: 31.3/41


asym_sam_1526_avg_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: 3932244.6/15
Left Out: 0.001+/-0.000 χ²/NDF:9825407.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.001+/-0.000 χ²/NDF:8291862.8/22
+ sign 0.001+/-0.000 χ²/NDF: 15183733.5/40
All: 0.001+/-0.000 χ²/NDF: 28527217.4/82
- sign 0.001+/-0.000 χ²/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:34.0/24

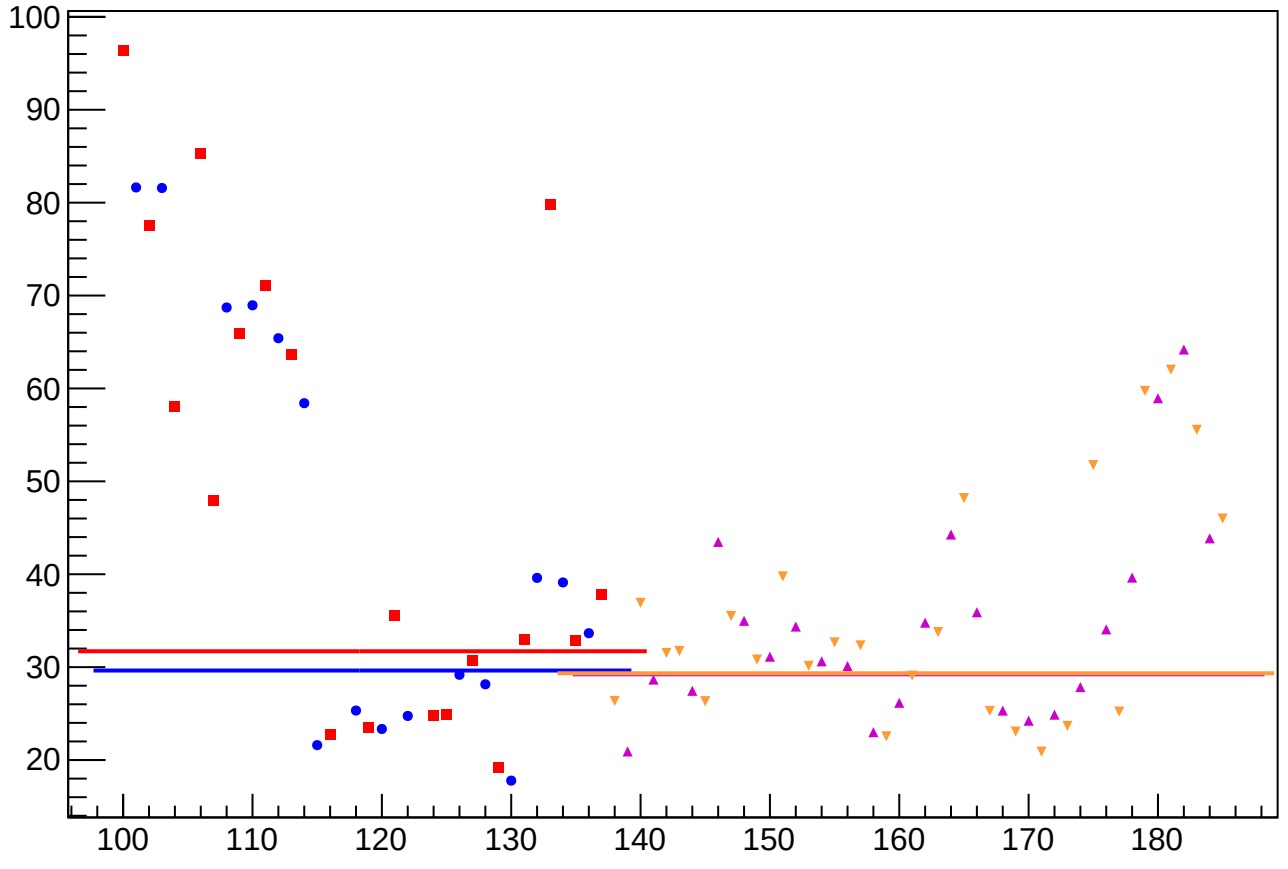
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.3/40

All: 0.002+/-0.004 χ^2/NDF: 92.7/82

- 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: 29.338+/-0.005 χ^2/NDF:2687200.3/24

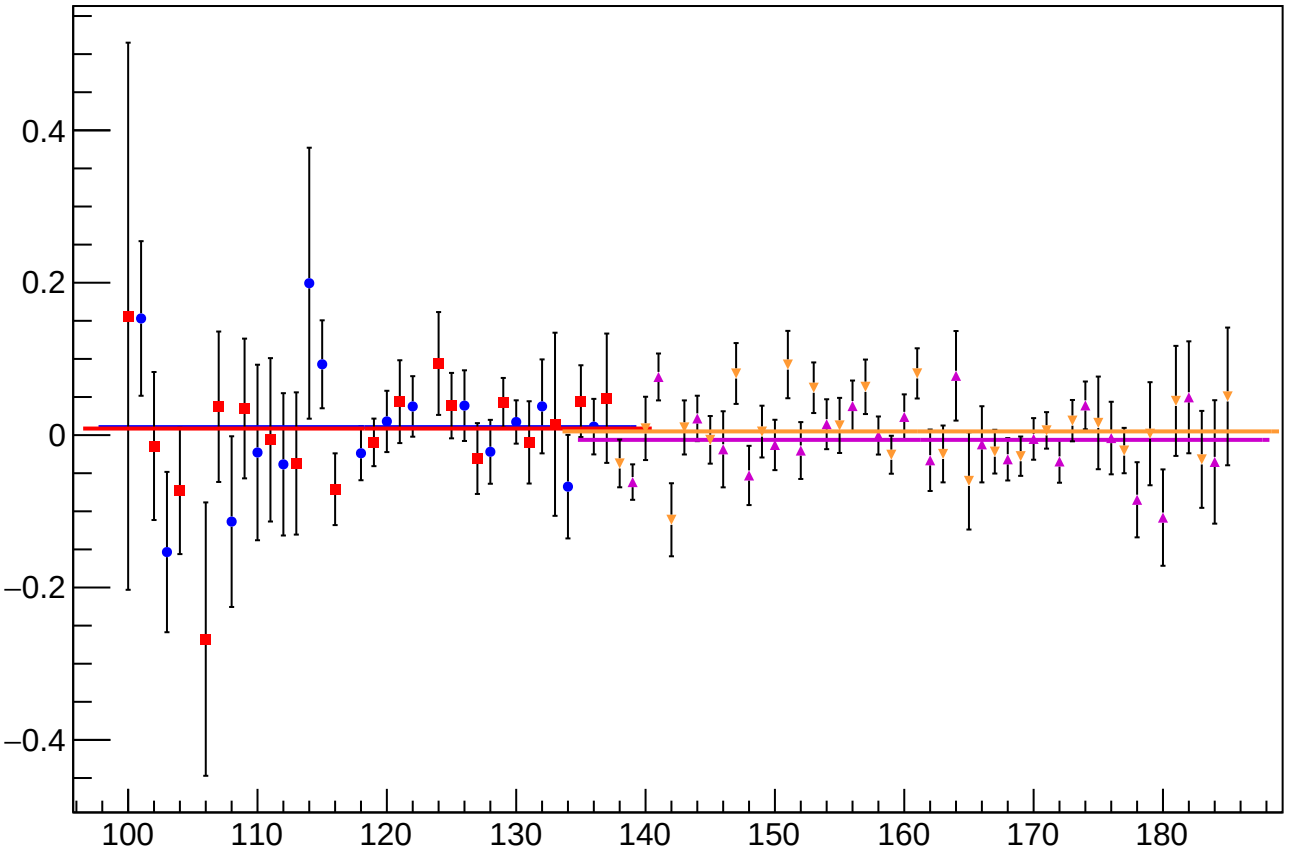
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.409+/-0.004 χ^2/NDF: 5136710.7/40

All: 29.600+/-0.003 χ^2/NDF: 9943992.3/82

- 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:34.0/24

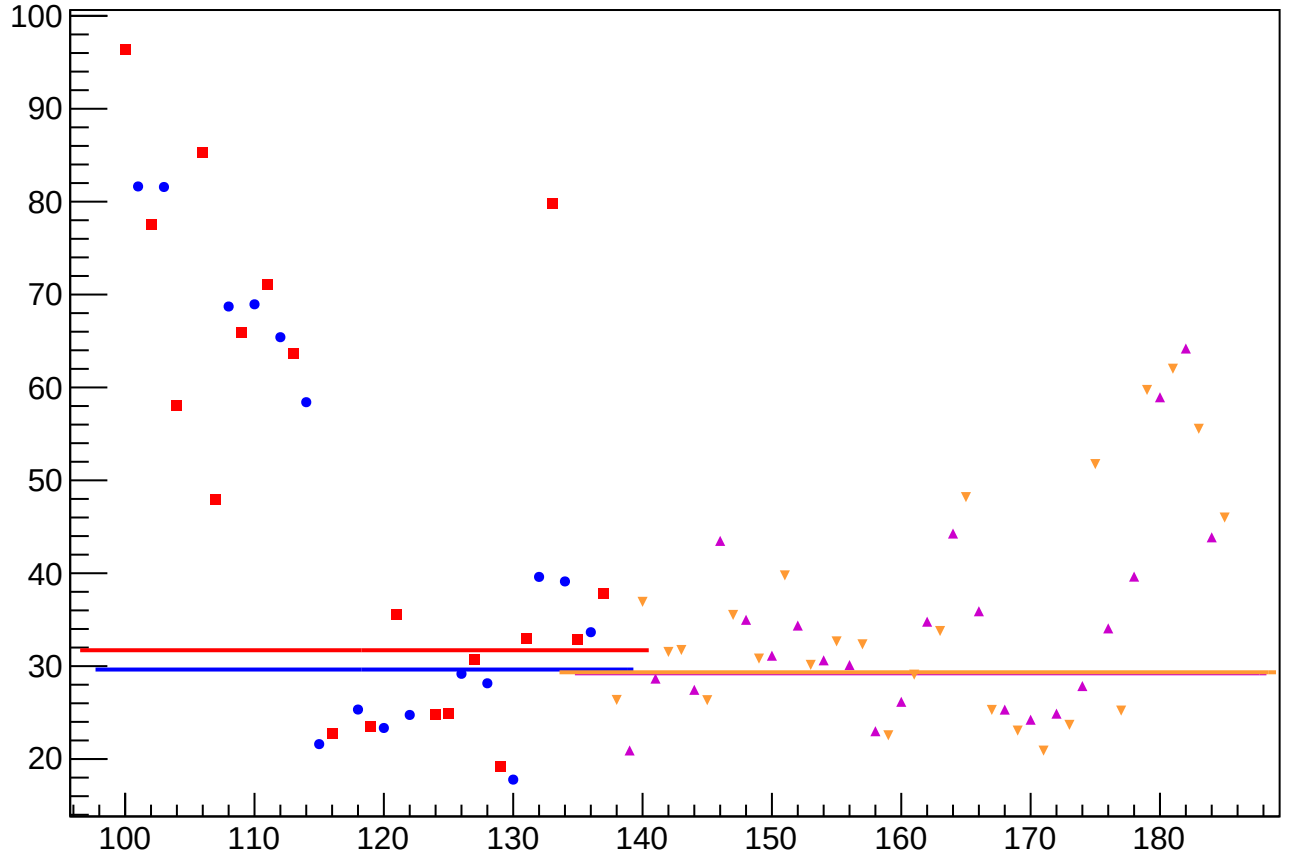
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.3/40

All: 0.002+/-0.004 χ^2/NDF: 92.7/82

- 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: 29.338+/-0.005 χ^2/NDF:2687200.3/24

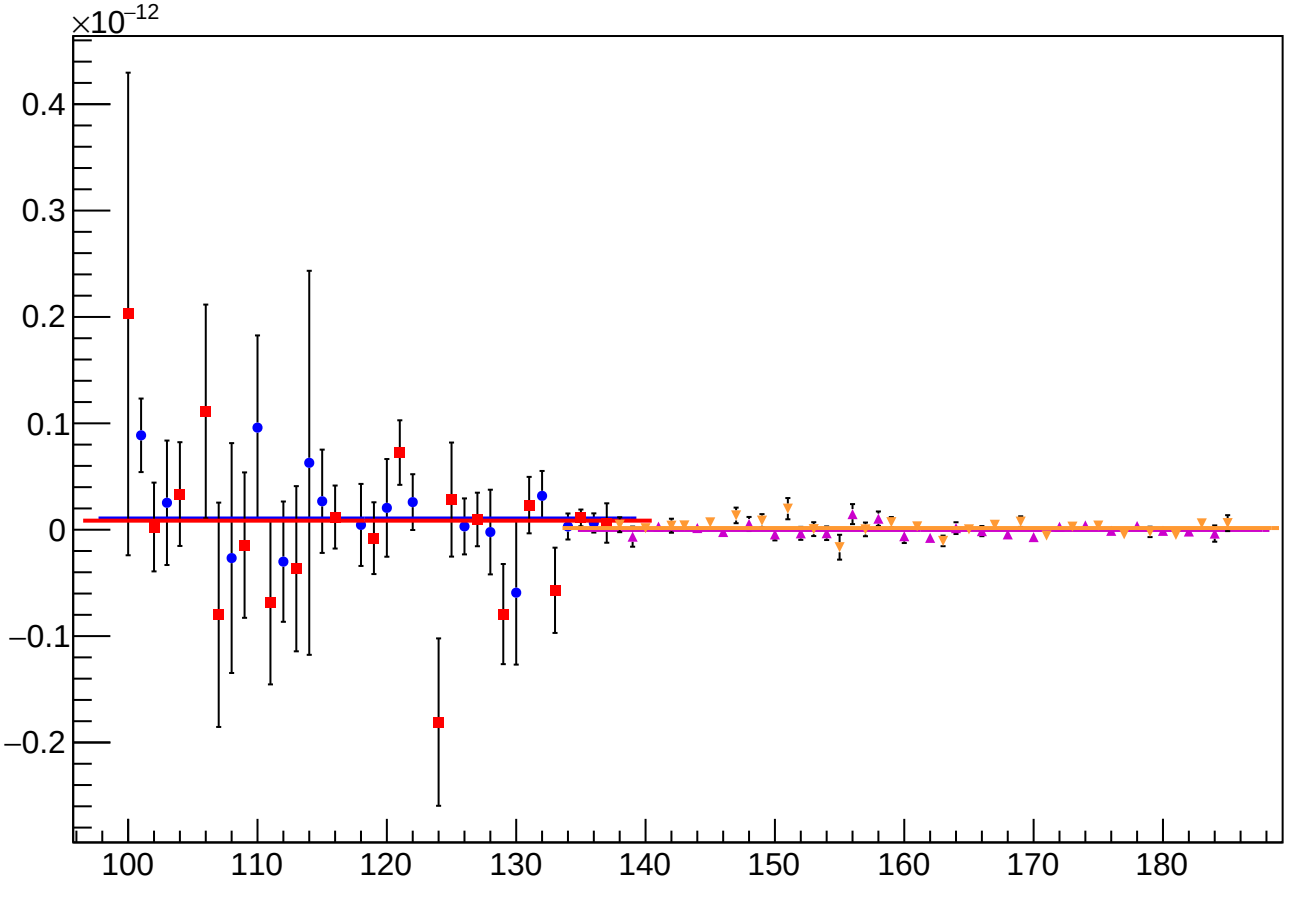
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

\+ sign 29.409+/-0.004 χ^2/NDF: 5136710.7/40

All: 29.600+/-0.003 χ^2/NDF: 9943992.3/82

\- 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:35.0/24

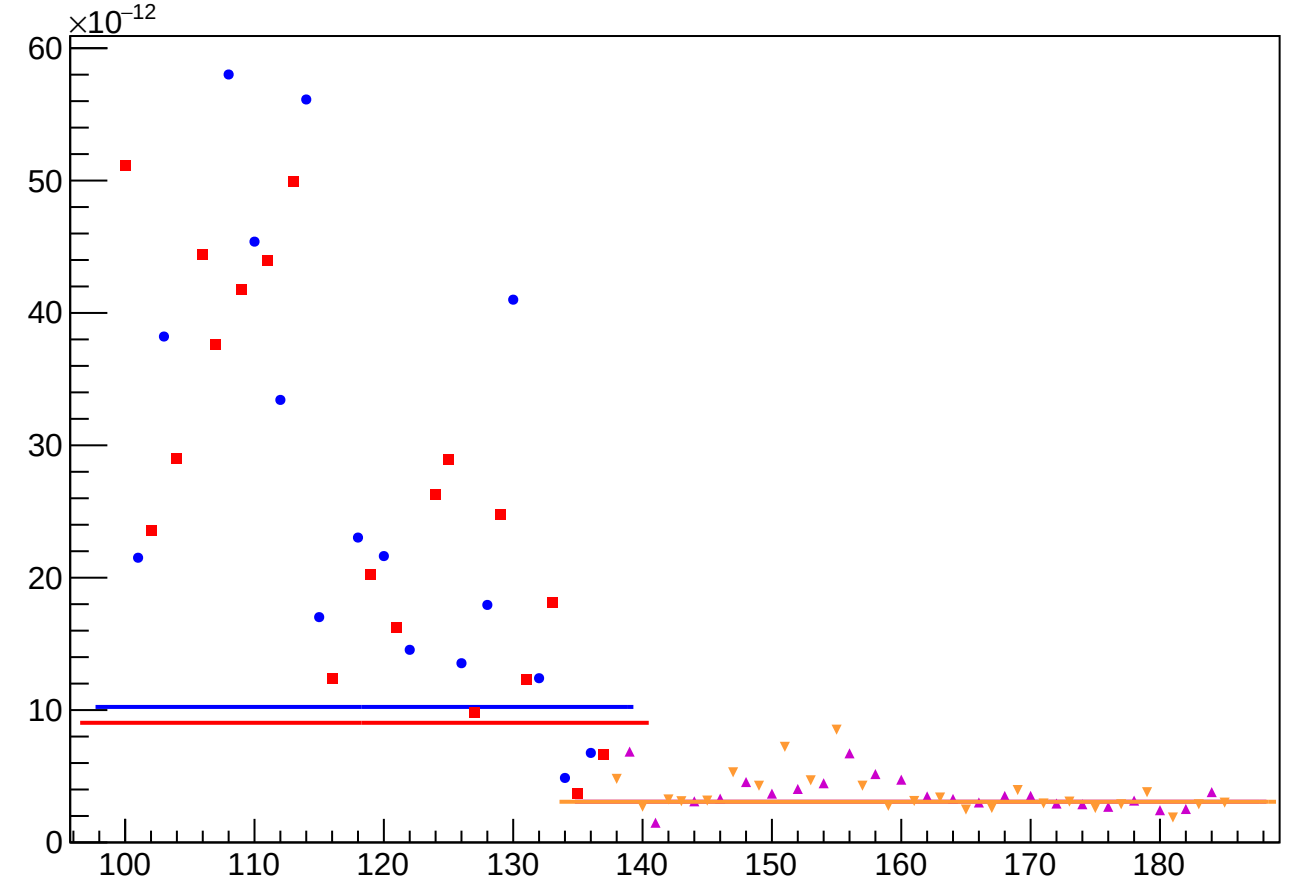
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.2/40

All: 0.000+/-0.000 χ^2/NDF: 91.2/82

- sign 0.000+/-0.000 χ^2/NDF: 42.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

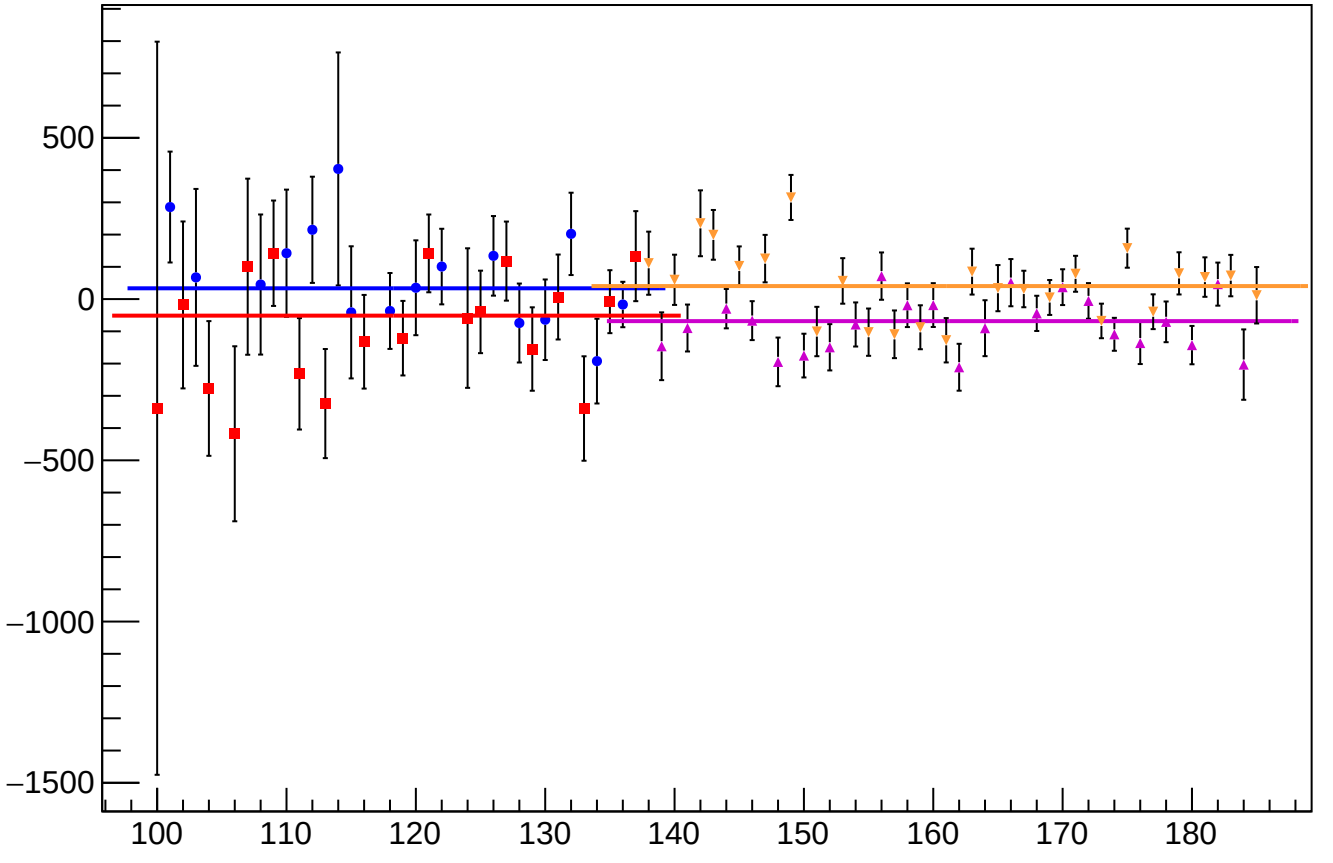
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8323795.7/40

All: 0.000+/-0.000 χ^2/NDF: 16962188.9/82

- sign 0.000+/-0.000 χ^2/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: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

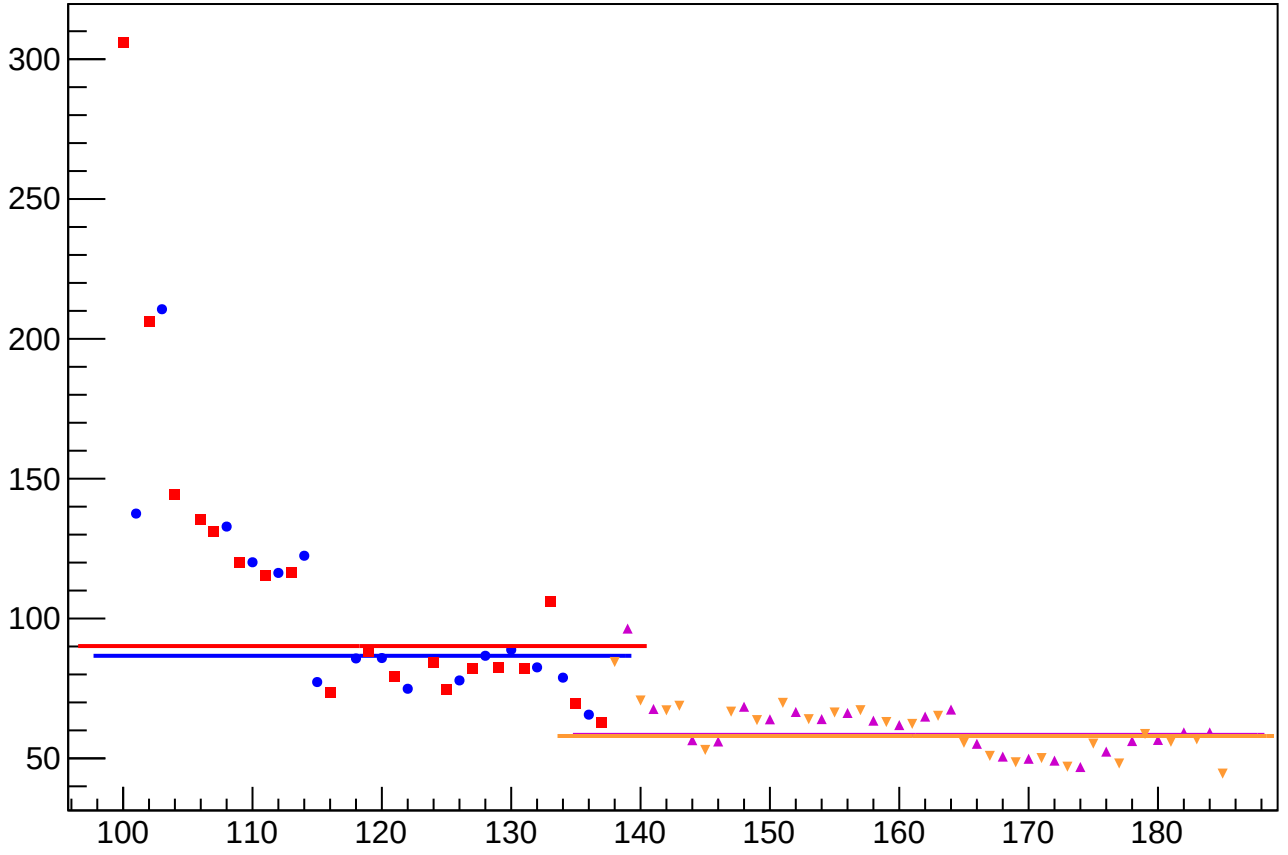
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 39.407+/-12.462 χ^2/NDF: 72.3/40

All: -11.553+/-8.958 χ^2/NDF: 158.4/82

- 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: 57.996+/-0.009 χ^2/NDF:807648.8/24

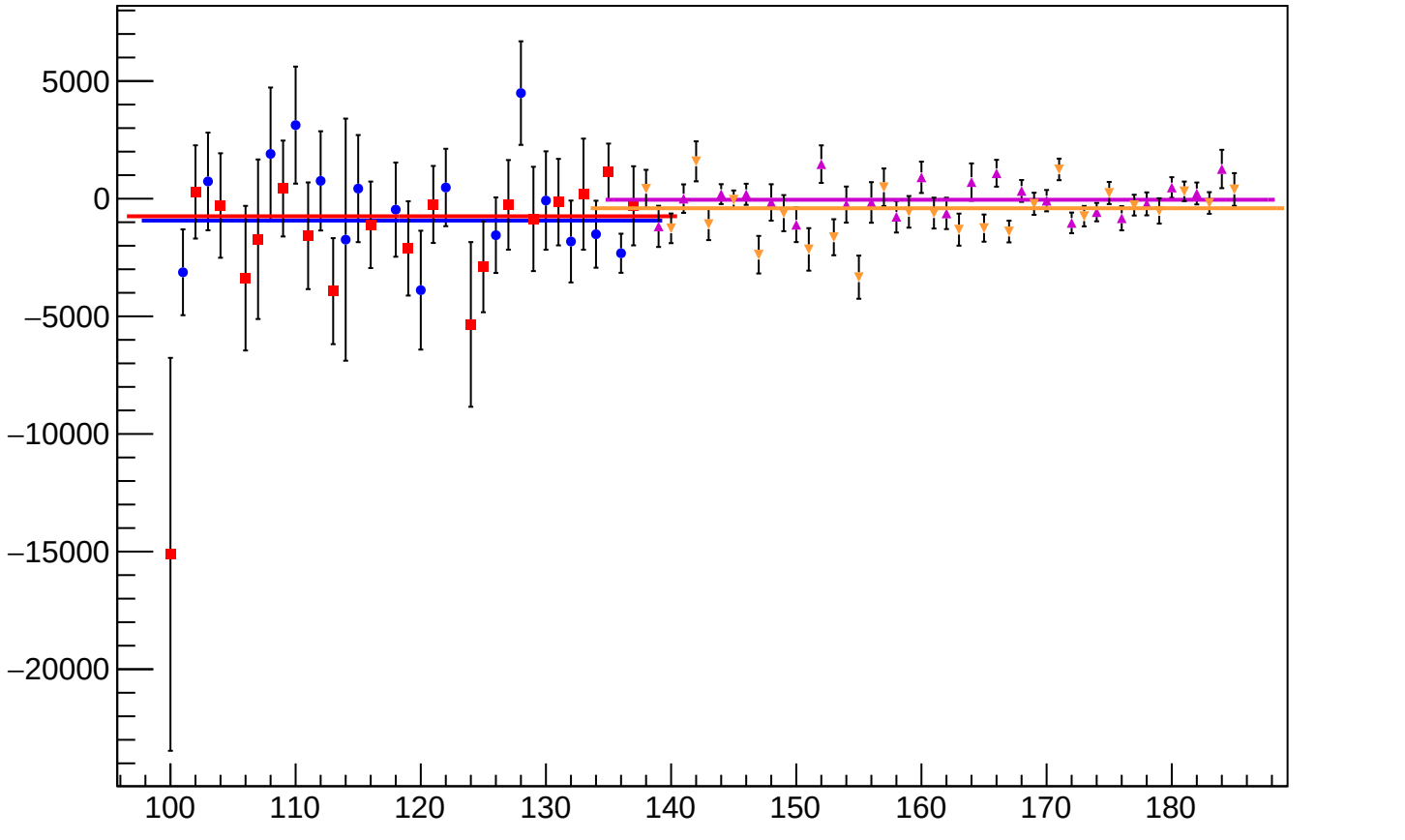
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.875+/-0.009 χ^2/NDF: 3084875.8/40

All: 62.291+/-0.006 χ^2/NDF: 6408312.8/82

- 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: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

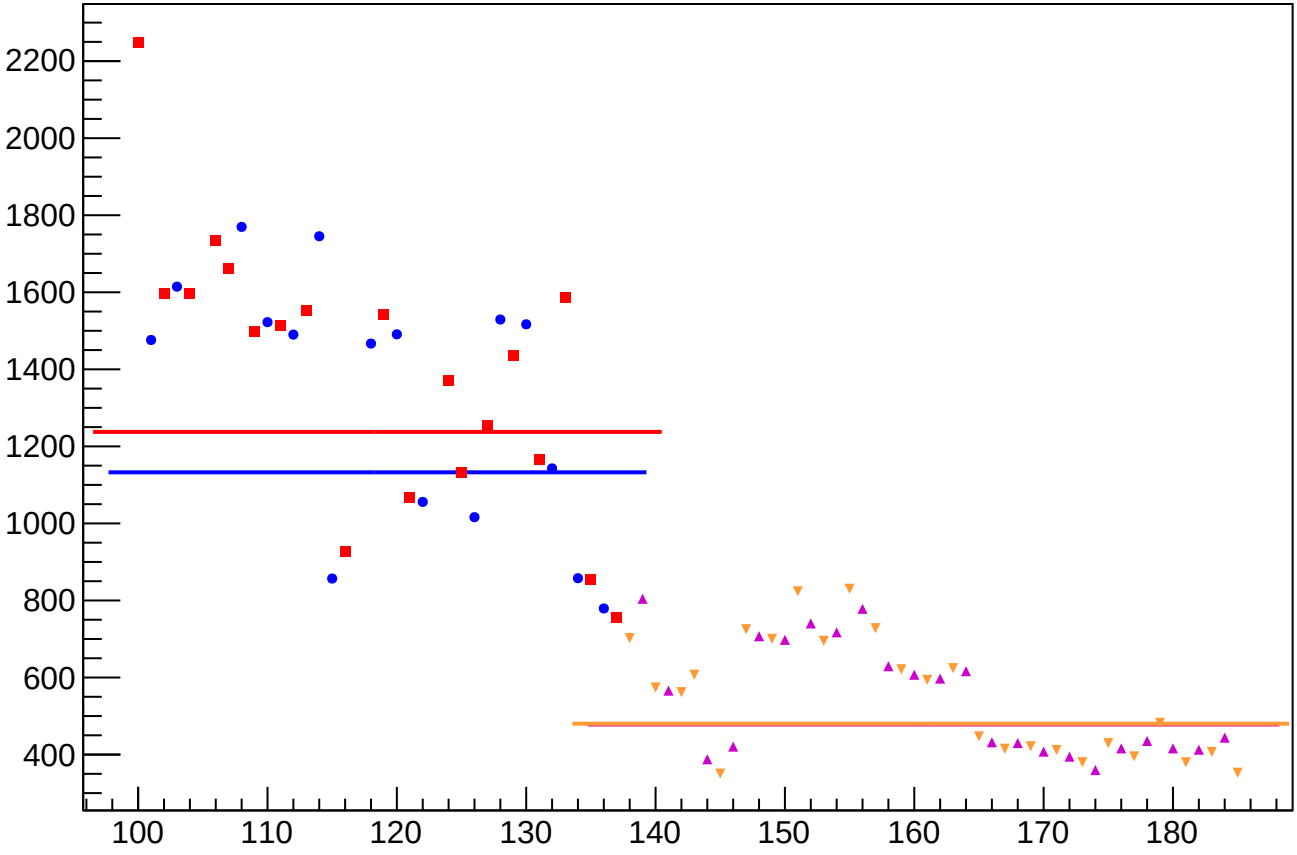
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -438.841+/-109.887 χ^2/NDF: 83.1/40

All: -266.053+/-78.567 χ^2/NDF: 134.3/82

- 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: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

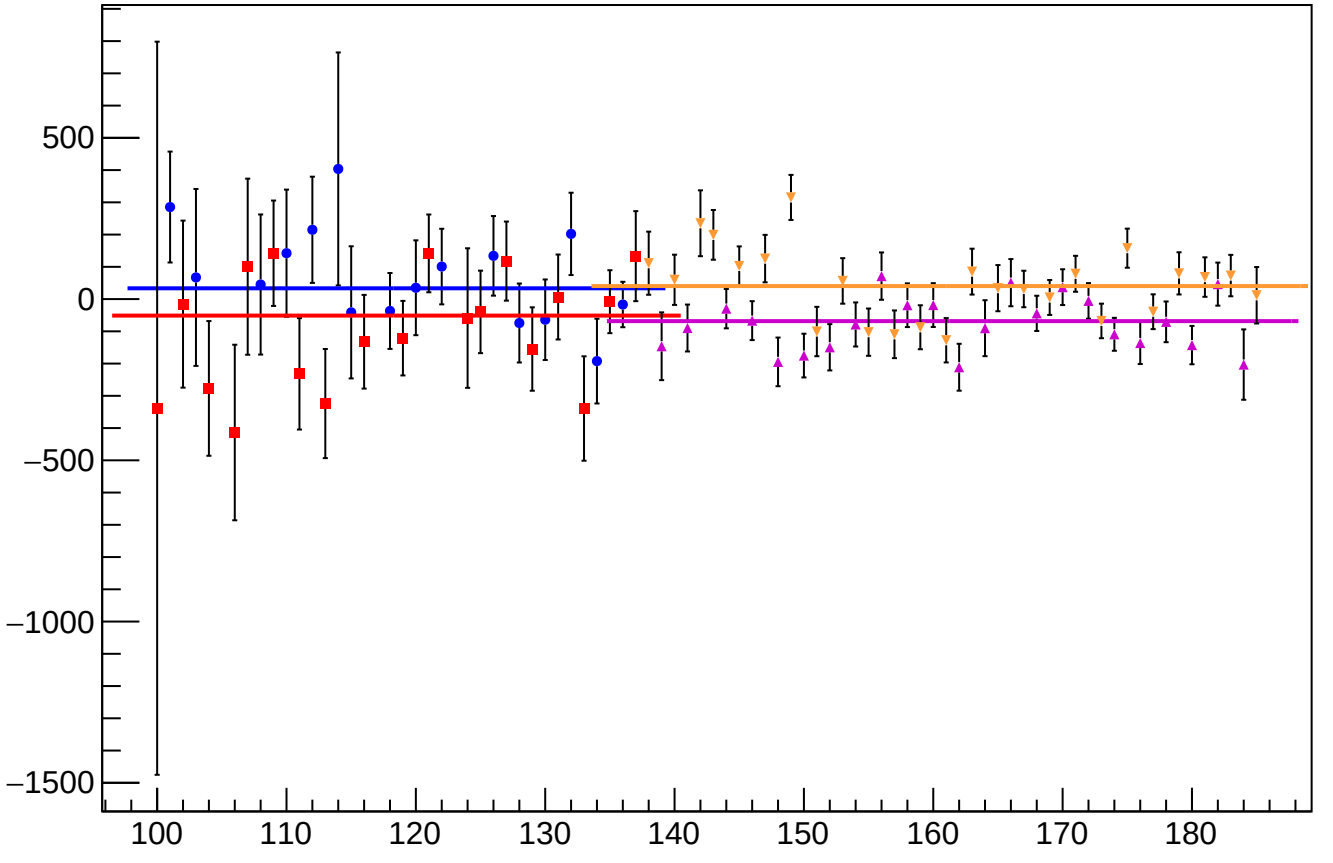
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 520.696+/-0.078 χ^2/NDF: 7815090.5/40

All: 521.281+/-0.056 χ^2/NDF: 15891748.9/82

- 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: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

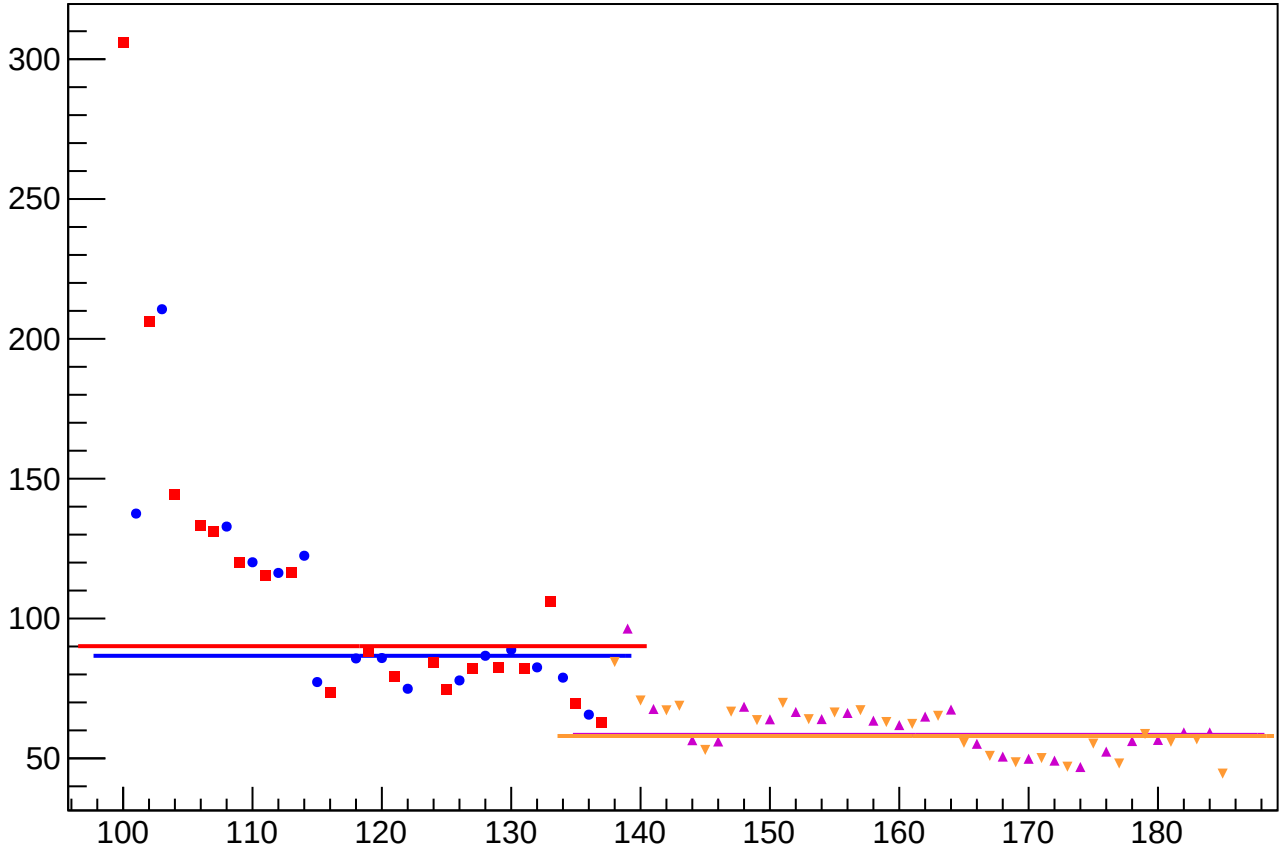
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.408+/-12.462 χ^2/NDF: 72.3/40

All: -11.543+/-8.958 χ^2/NDF: 158.3/82

- 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: 57.996+/-0.009 χ^2/NDF:807648.7/24

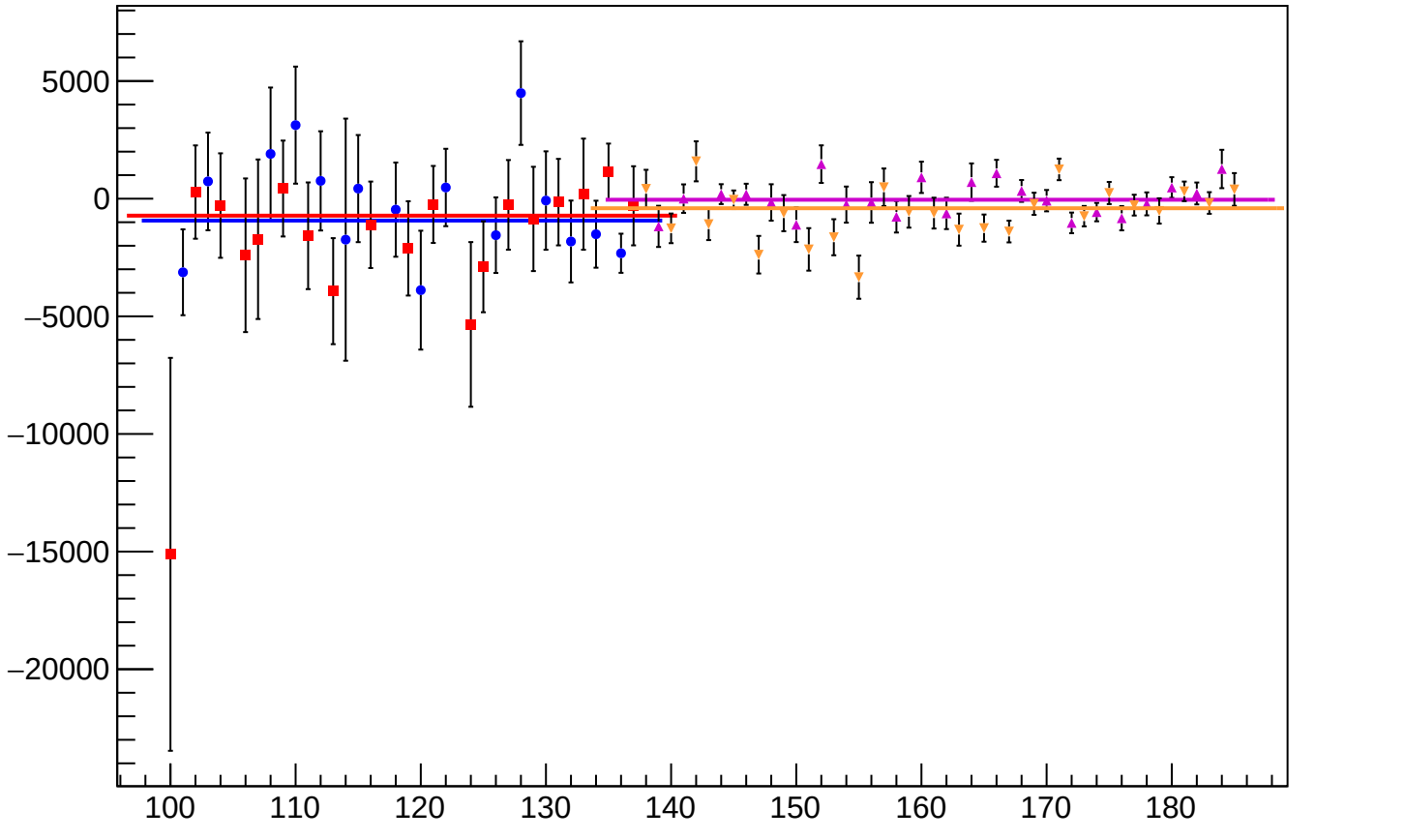
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.875+/-0.009 χ^2/NDF: 3084878.0/40

All: 62.289+/-0.006 χ^2/NDF: 6400064.9/82

- 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: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

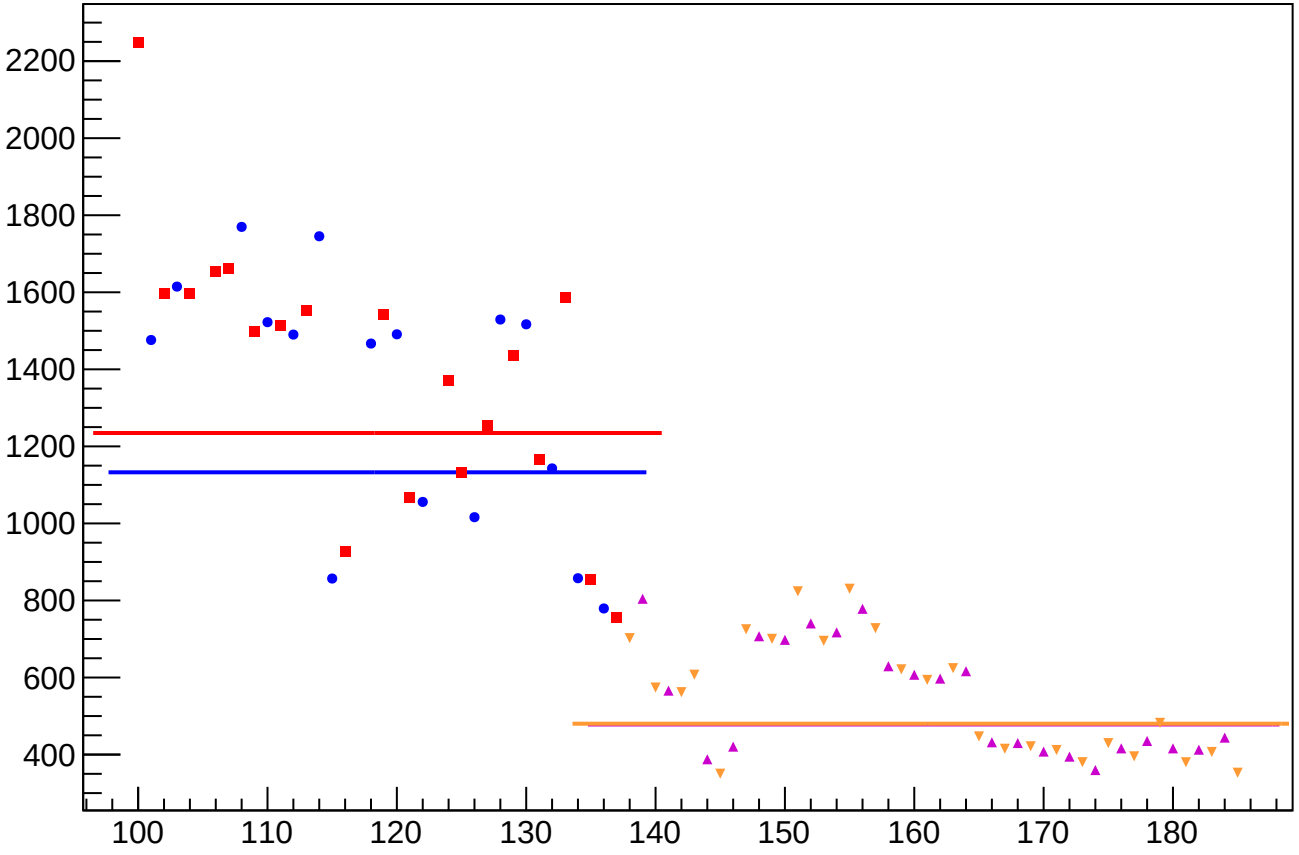
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.837+/-109.887 χ^2/NDF: 83.1/40

All: -265.265+/-78.570 χ^2/NDF: 133.7/82

- 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: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

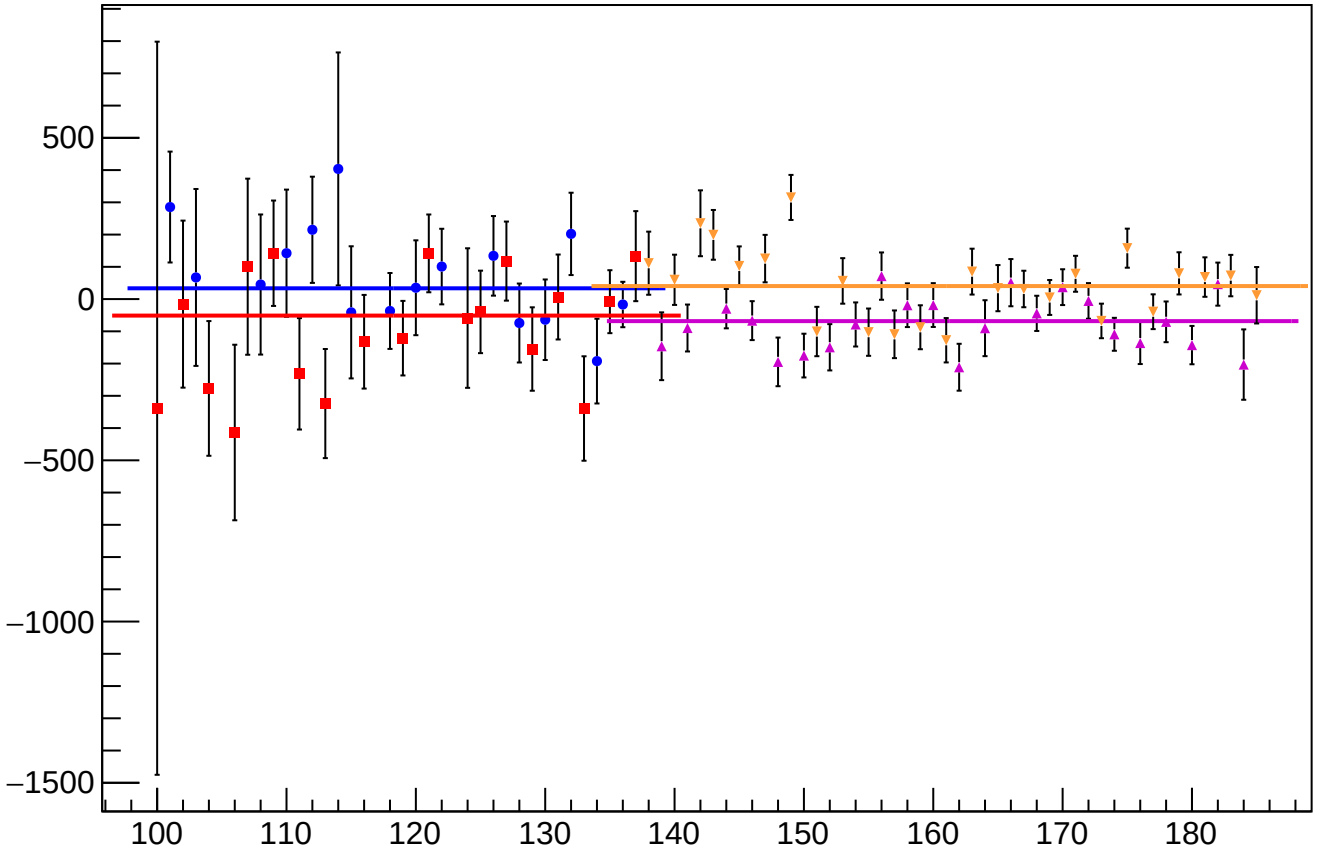
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 520.696+/-0.078 χ^2/NDF: 7815116.7/40

All: 521.146+/-0.056 χ^2/NDF: 15822432.0/82

- 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: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

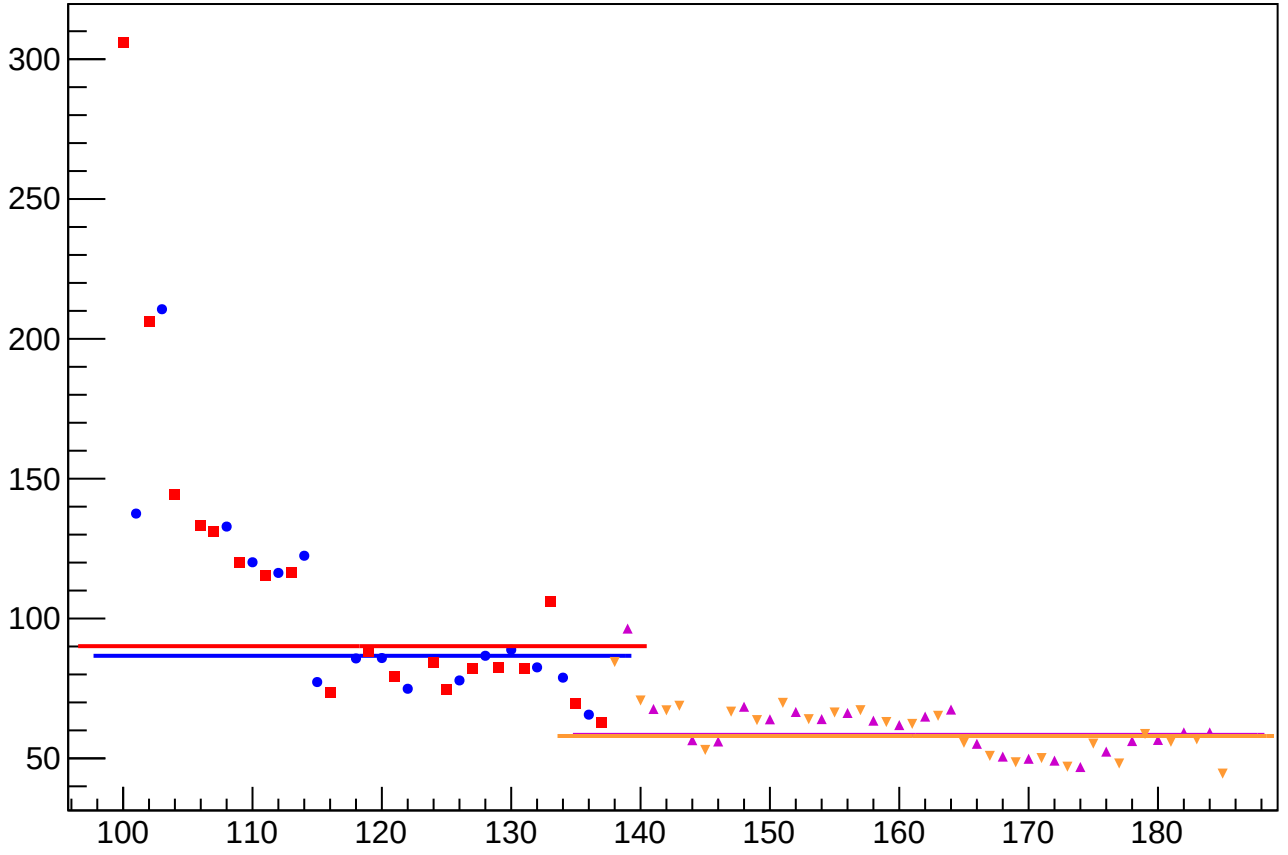
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.408+/-12.462 χ^2/NDF: 72.3/40

All: -11.543+/-8.958 χ^2/NDF: 158.3/82

- 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: 57.996+/-0.009 χ^2/NDF:807648.7/24

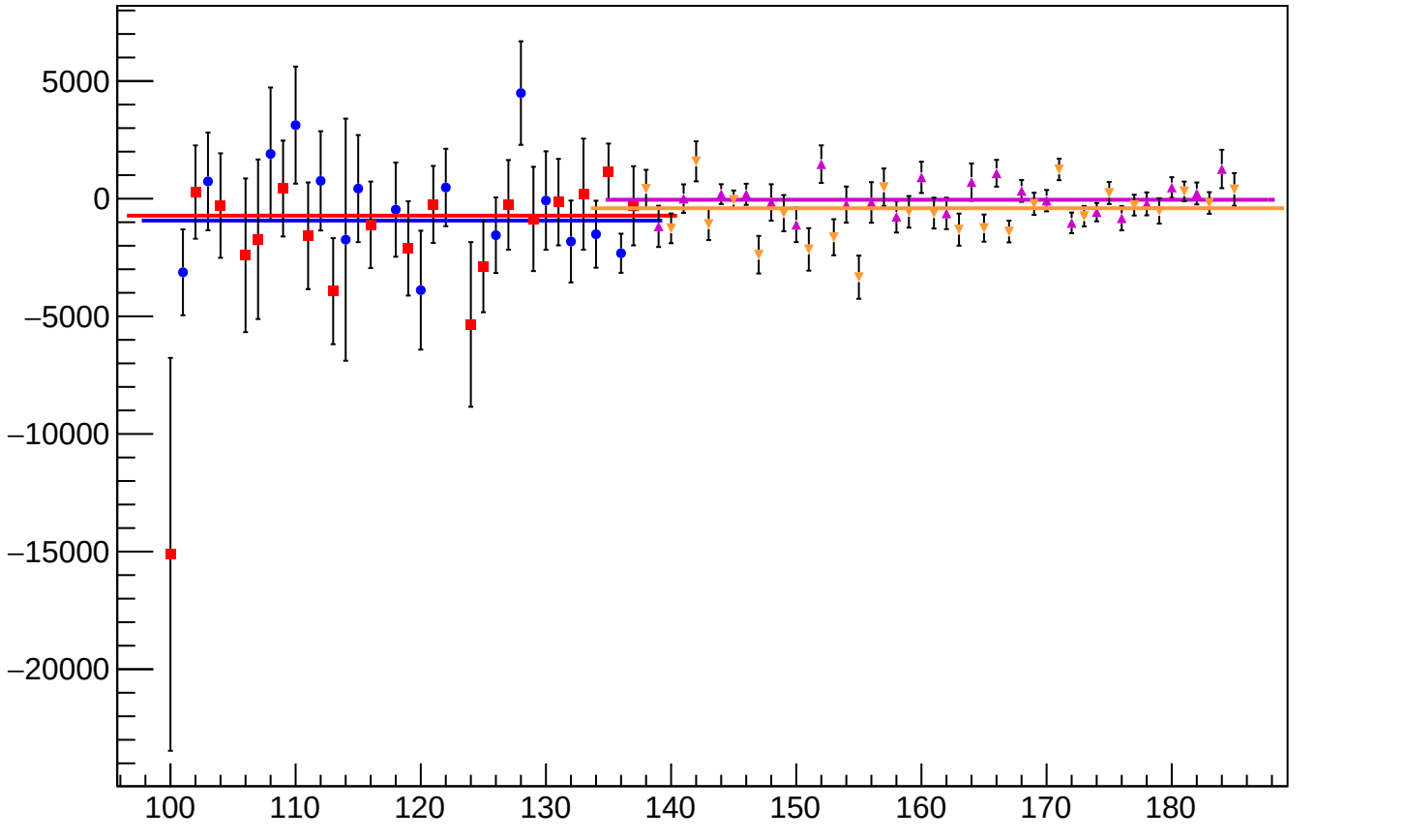
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.875+/-0.009 χ^2/NDF: 3084878.0/40

All: 62.289+/-0.006 χ^2/NDF: 6400064.9/82

- 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: -406.320+/-113.468 χ^2/NDF:63.2/24

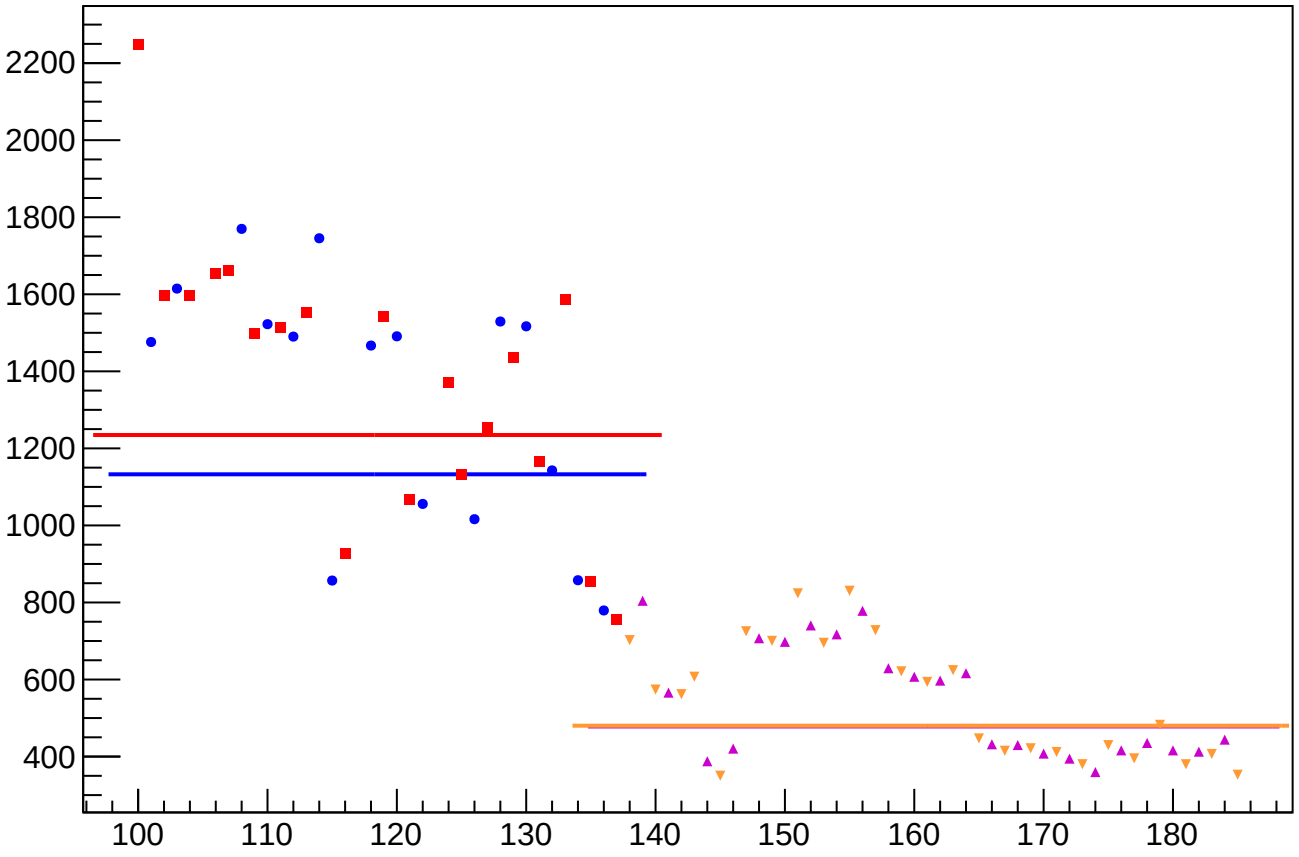
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.837+/-109.887 χ^2/NDF: 83.1/40

All: -265.265+/-78.570 χ^2/NDF: 133.7/82

- 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: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

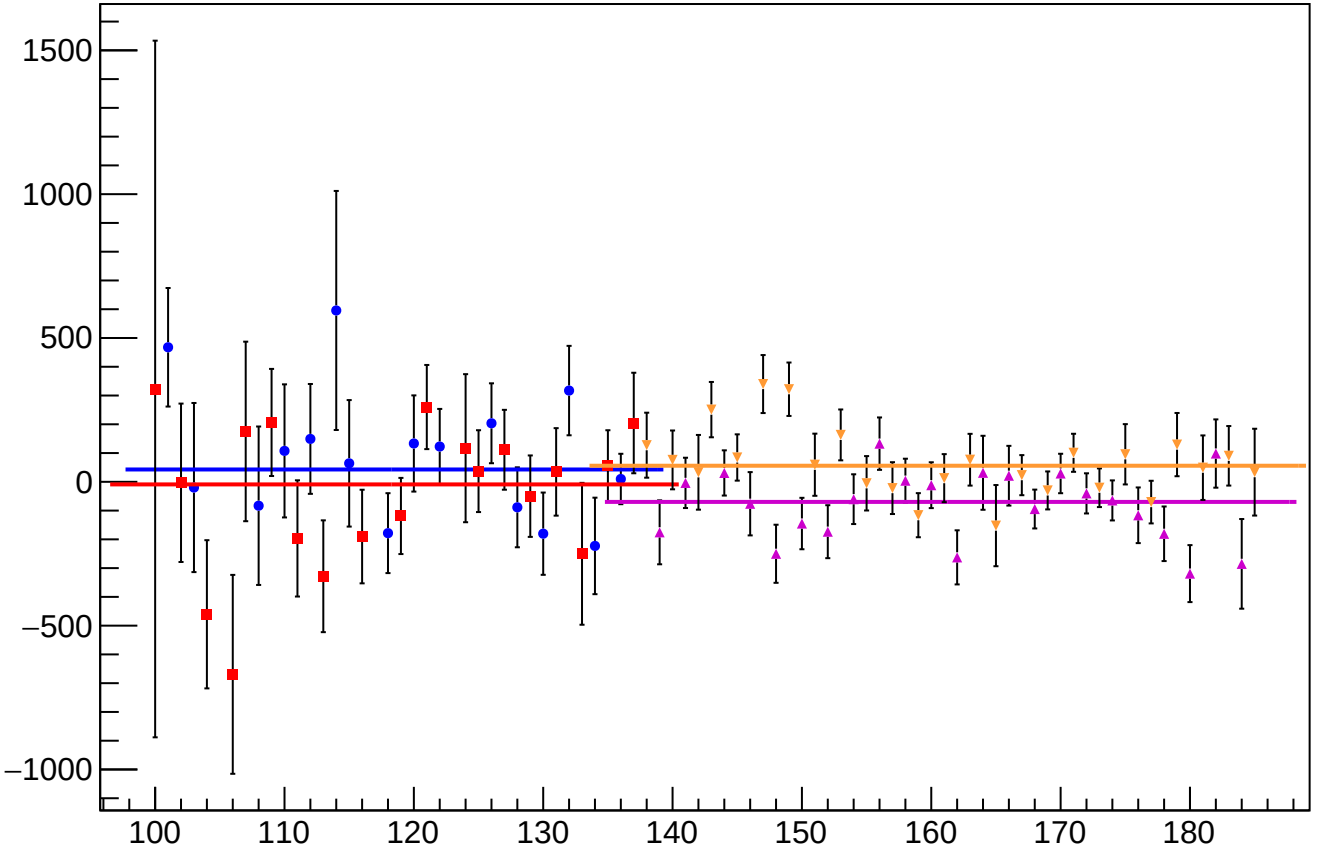
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 520.696+/-0.078 χ^2/NDF: 7815116.7/40

All: 521.146+/-0.056 χ^2/NDF: 15822432.0/82

- 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: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

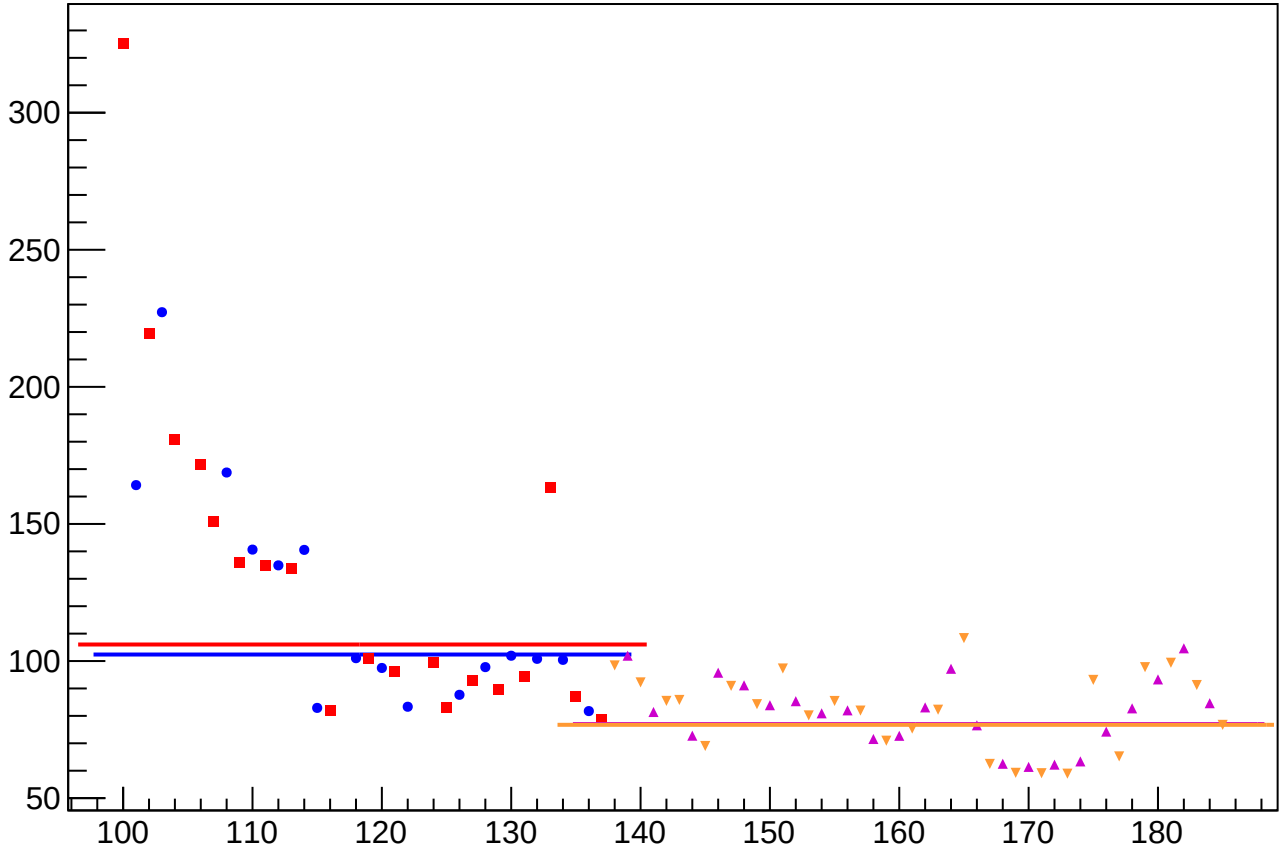
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.759+/-16.372 χ^2/NDF: 58.7/40

All: -1.232+/-11.747 χ^2/NDF: 139.7/82

- 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:1234629.1/24

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

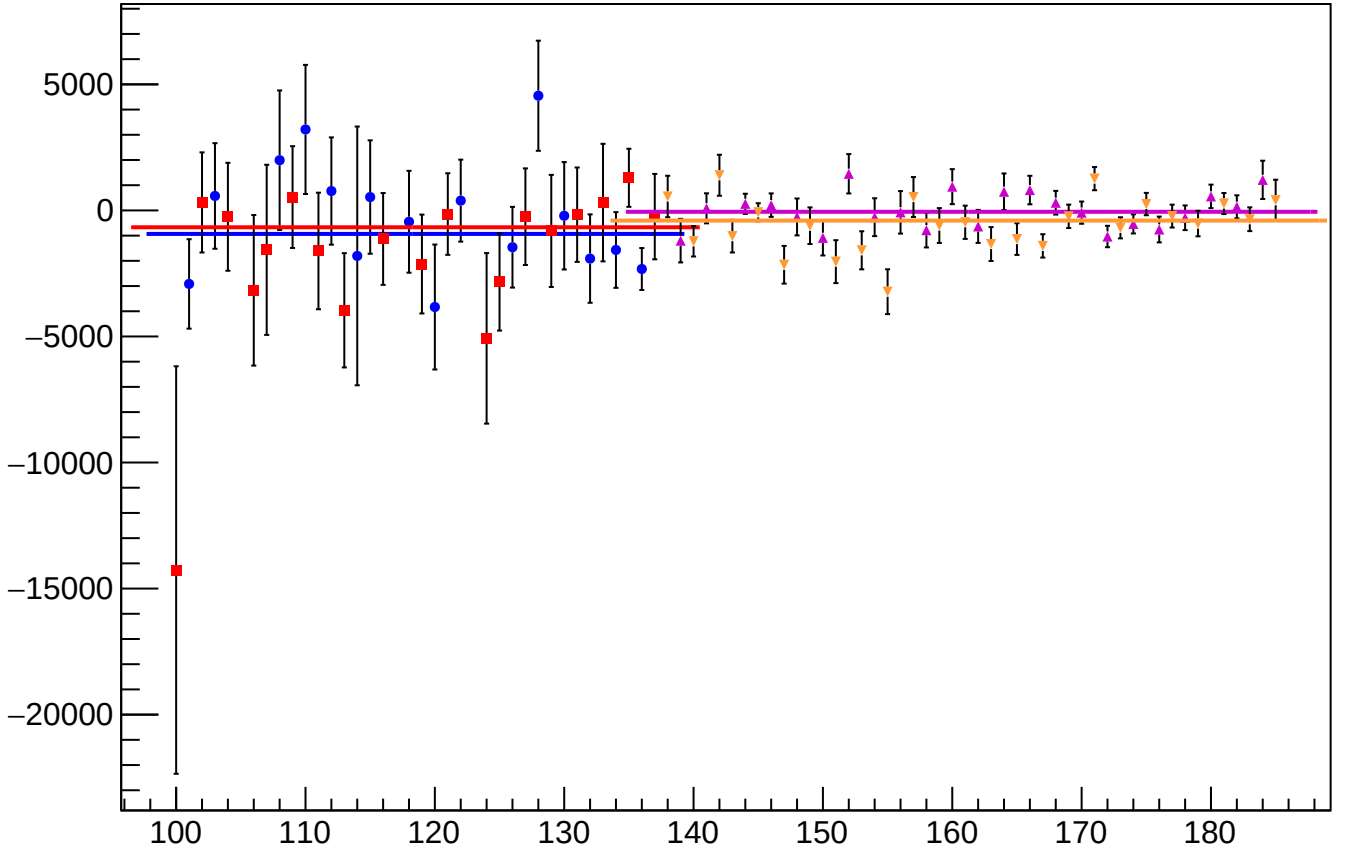
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 81.050+/-0.012 χ^2/NDF: 2902172.1/40

All: 81.468+/-0.008 χ^2/NDF: 5785238.9/82

- sign 81.913+/-0.012 χ^2/NDF: 2880370.7/41

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

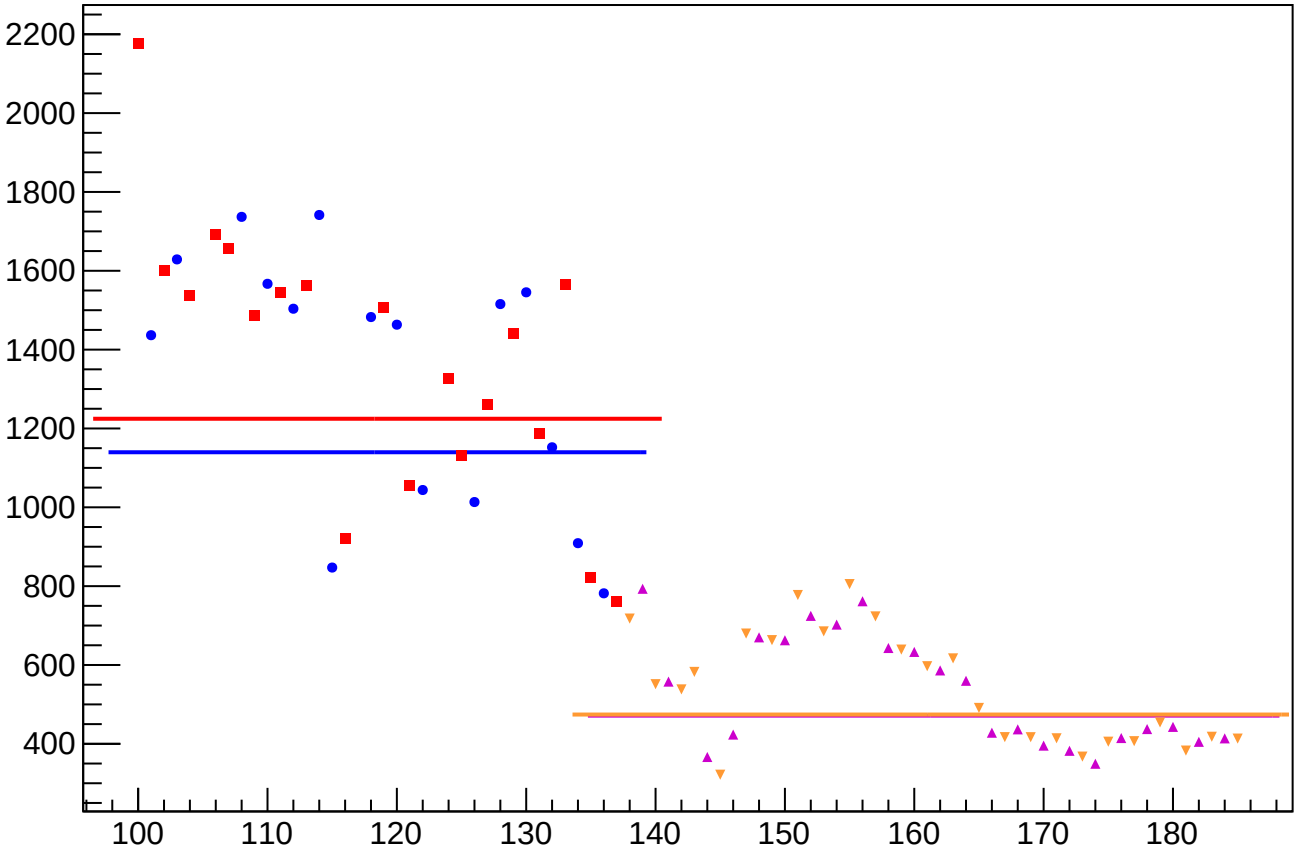
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -435.073+/-108.373 χ^2/NDF: 80.6/40

All: -266.225+/-77.510 χ^2/NDF: 131.3/82

- 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: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

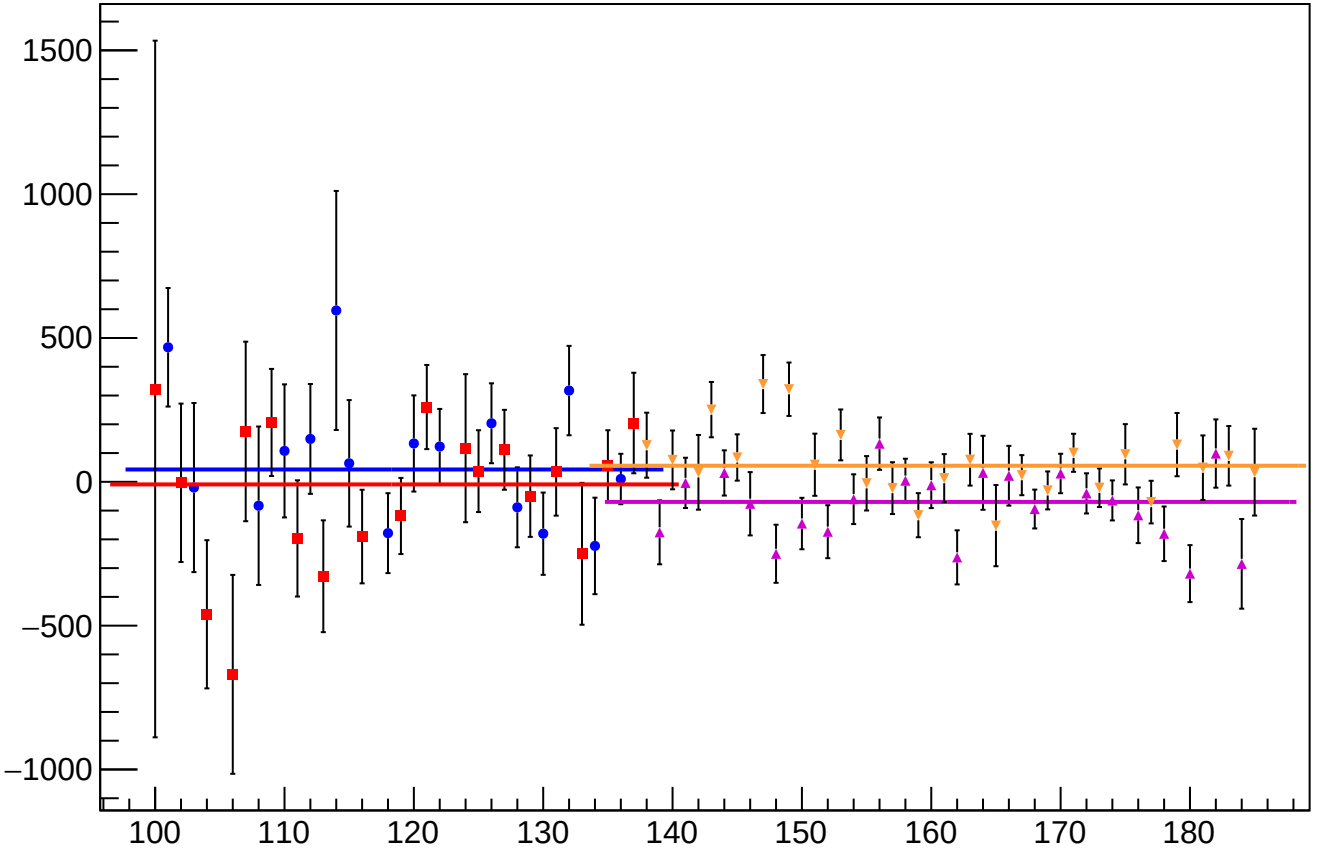
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 514.163+/-0.077 χ^2/NDF: 7879049.0/40

All: 514.390+/-0.055 χ^2/NDF: 15995414.4/82

- 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: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

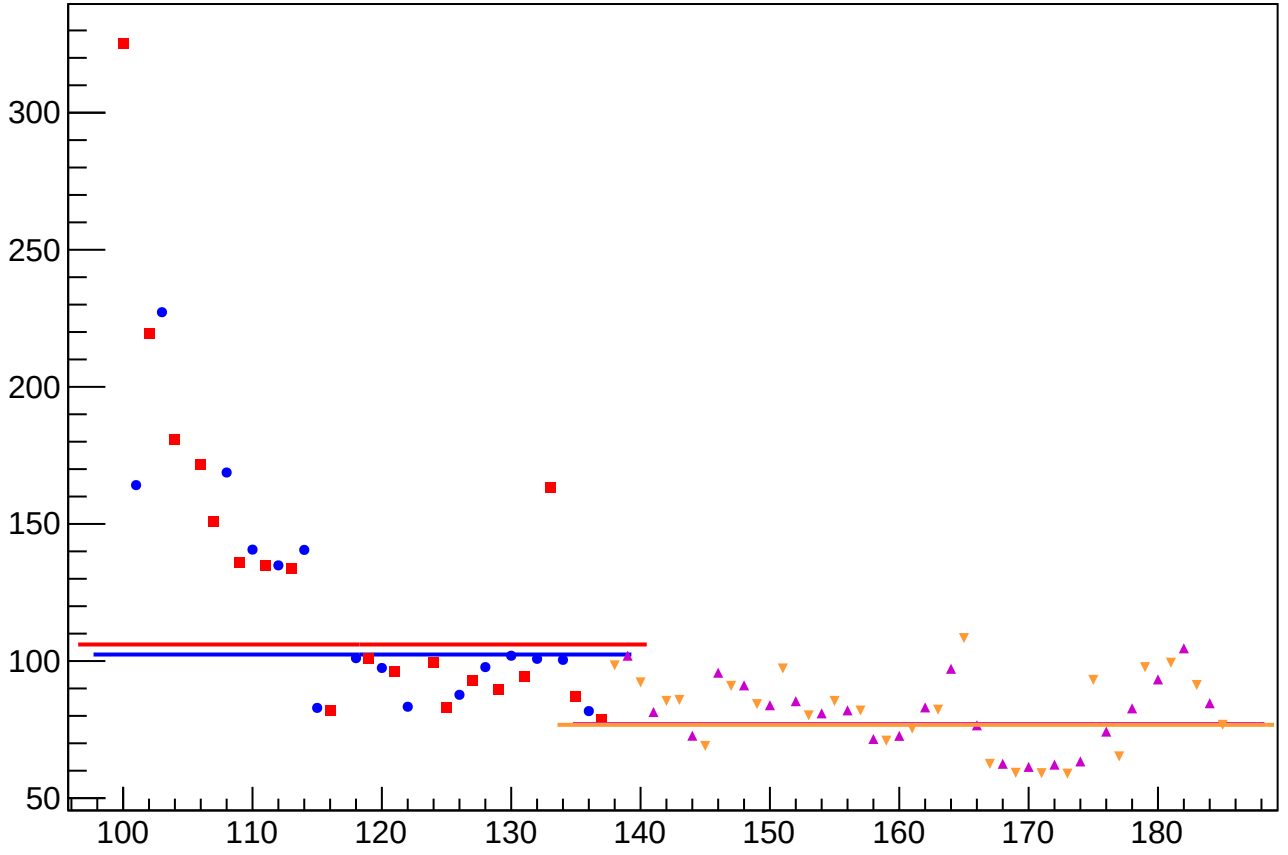
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.759+/-16.373 χ^2/NDF: 58.7/40

All: -1.232+/-11.747 χ^2/NDF: 139.7/82

- 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:1234627.7/24

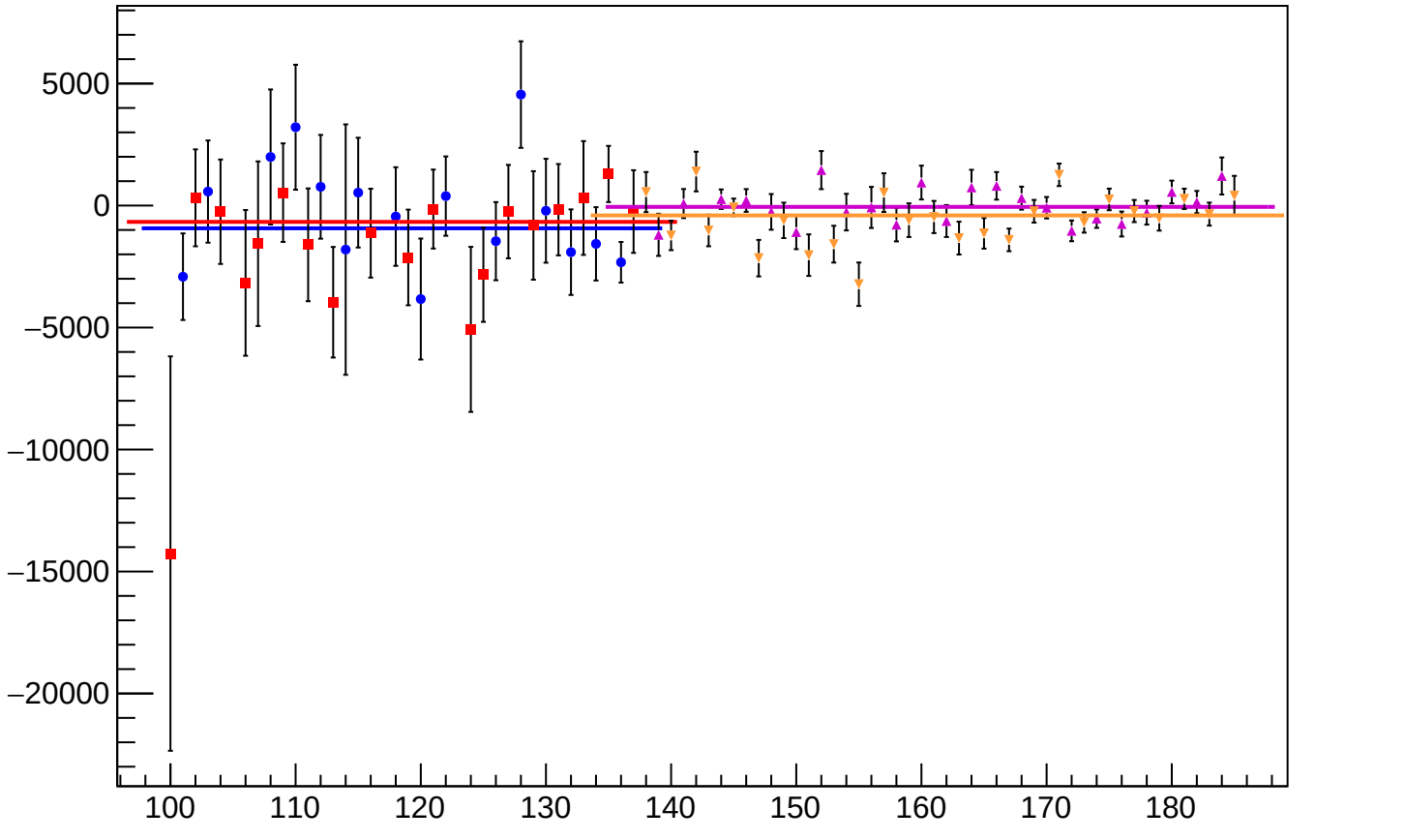
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

\+ sign 81.050+/-0.012 χ^2/NDF: 2902141.9/40

All: 81.469+/-0.008 χ^2/NDF: 5785181.7/82

\- 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: -403.375+/-111.773 χ^2/NDF:60.7/24

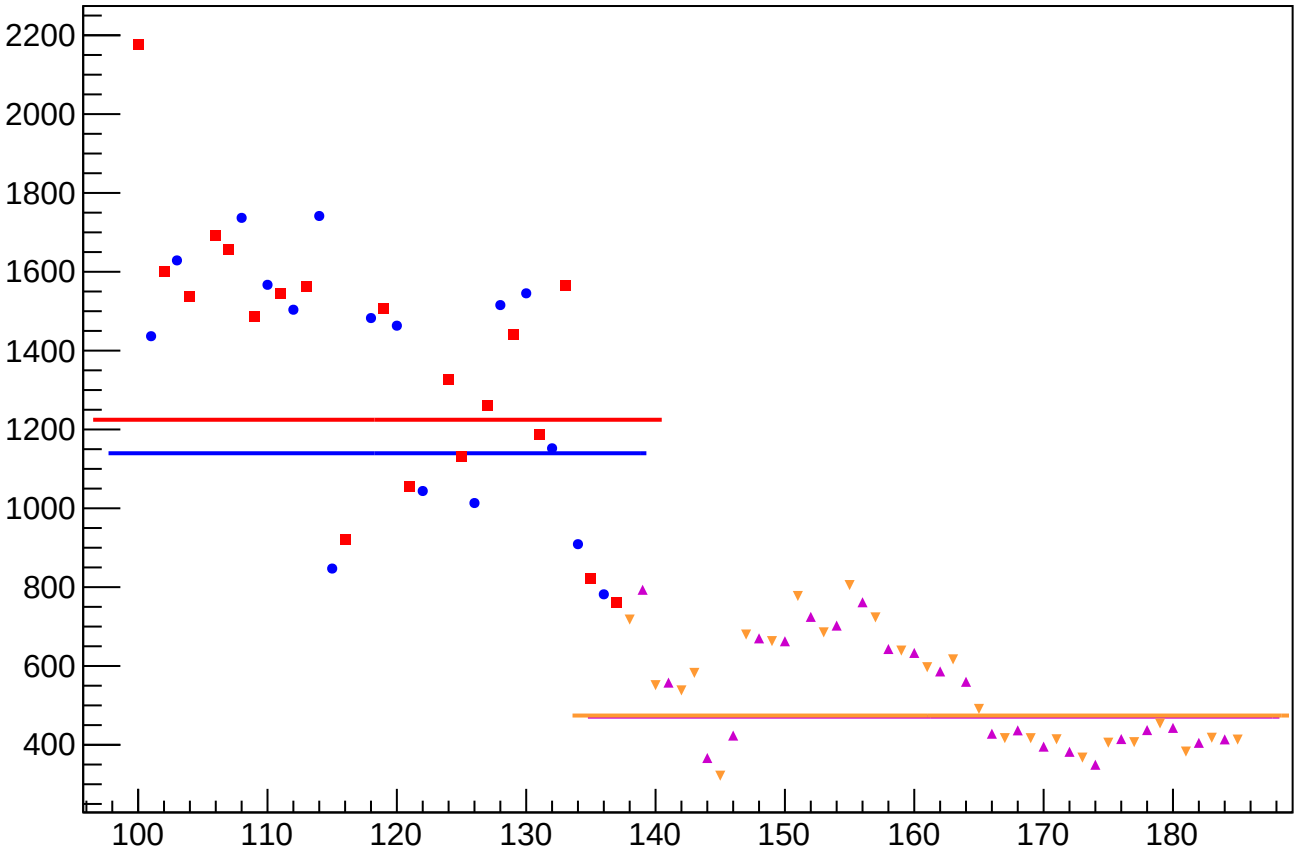
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -435.073+/-108.373 χ^2/NDF: 80.6/40

All: -266.225+/-77.510 χ^2/NDF: 131.3/82

- 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: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

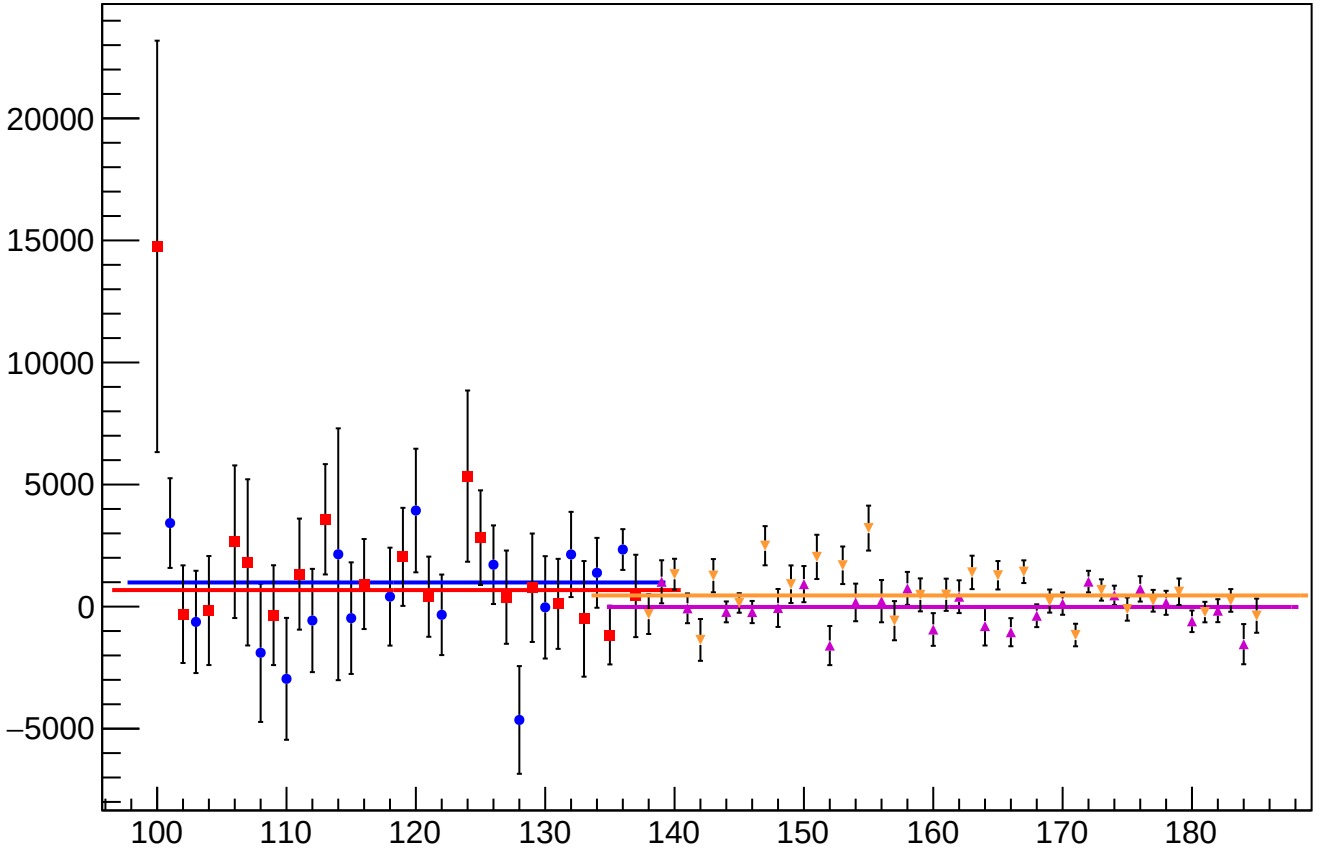
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 514.162+/-0.077 χ^2/NDF: 7879041.1/40

All: 514.390+/-0.055 χ^2/NDF: 15995387.5/82

- 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: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

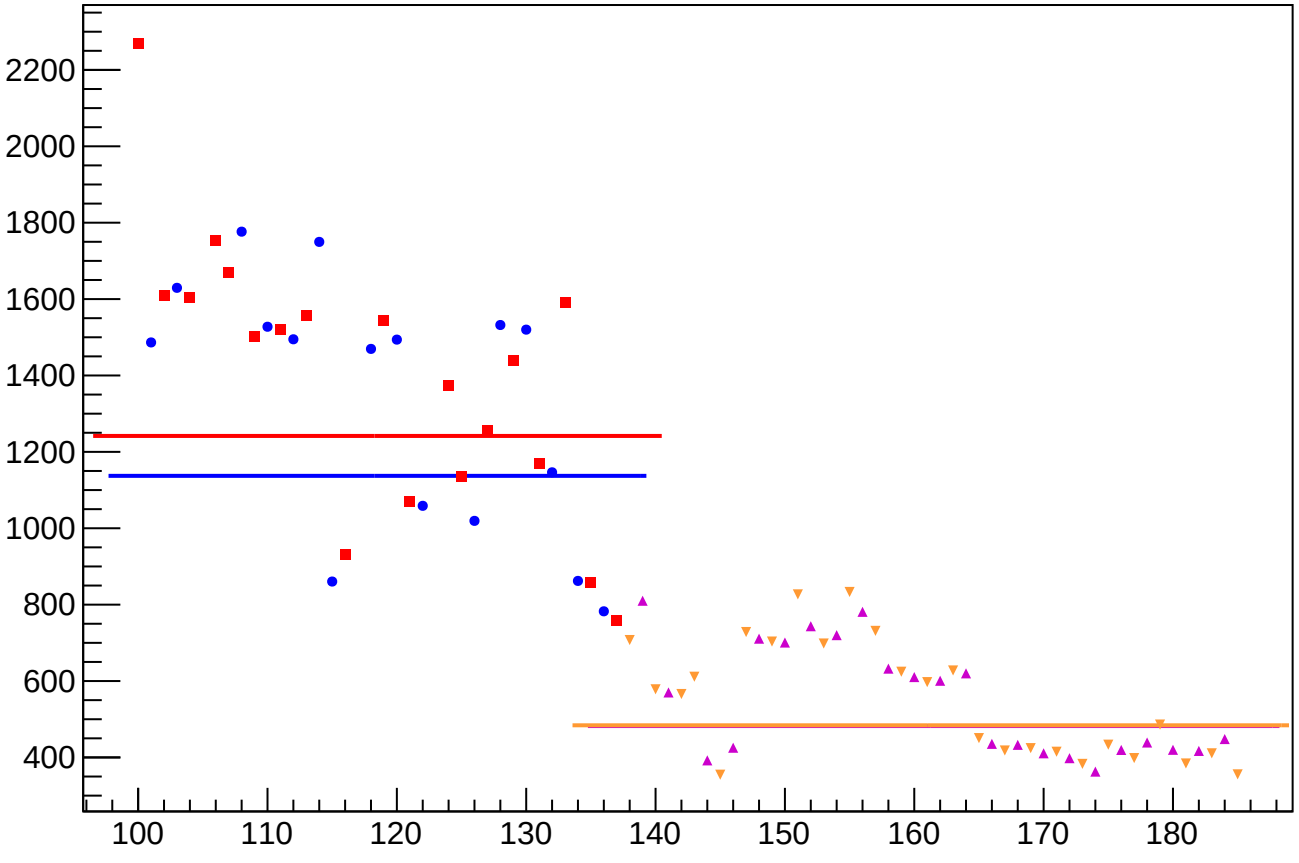
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 490.573+/-110.716 χ^2/NDF: 79.8/40

All: 263.161+/-79.171 χ^2/NDF: 132.7/82

- 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: 484.128+/-0.081 χ^2/NDF:2548479.4/24

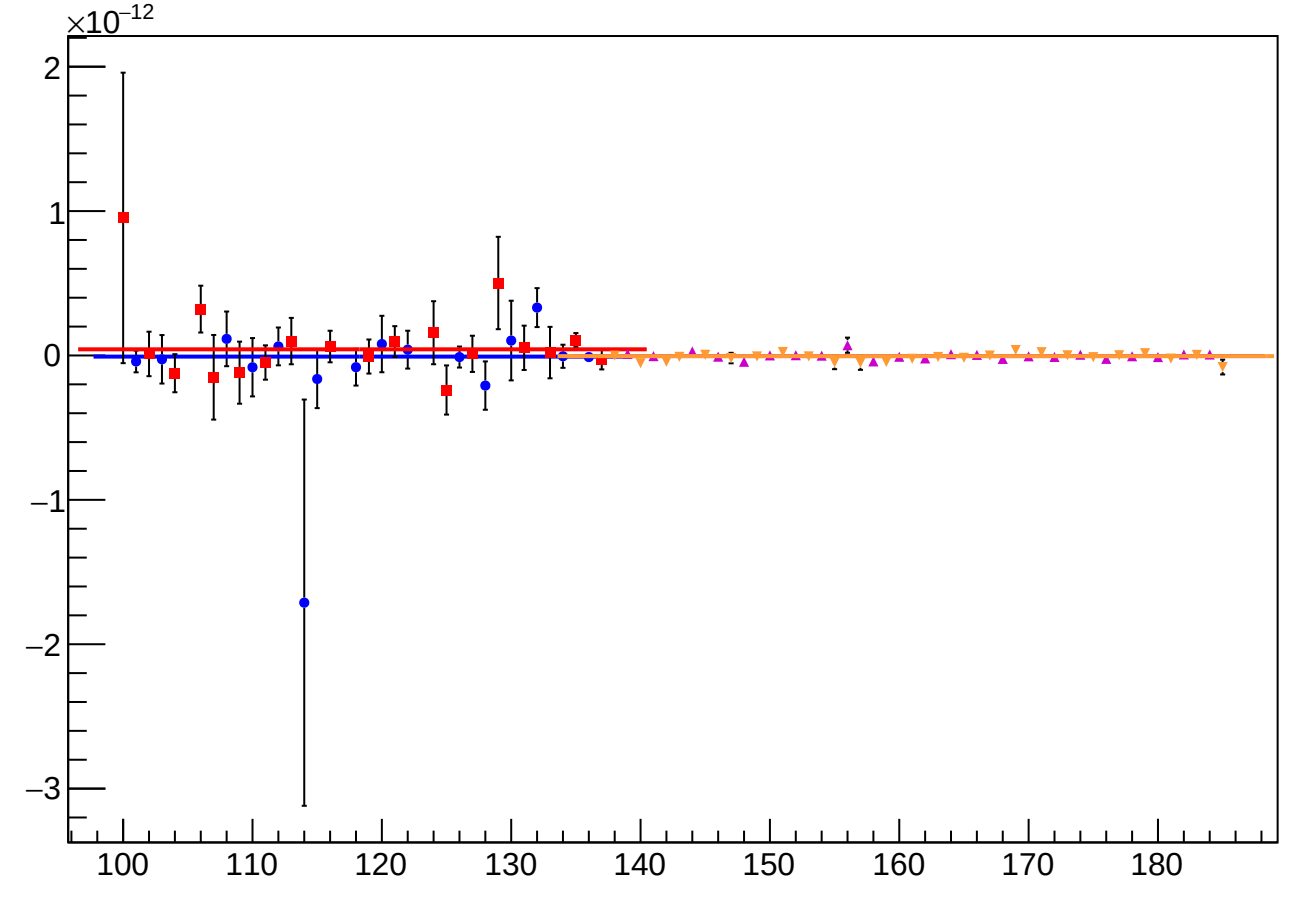
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 524.989+/-0.078 χ^2/NDF: 7753754.0/40

All: 525.644+/-0.056 χ^2/NDF: 15766864.3/82

- 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:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

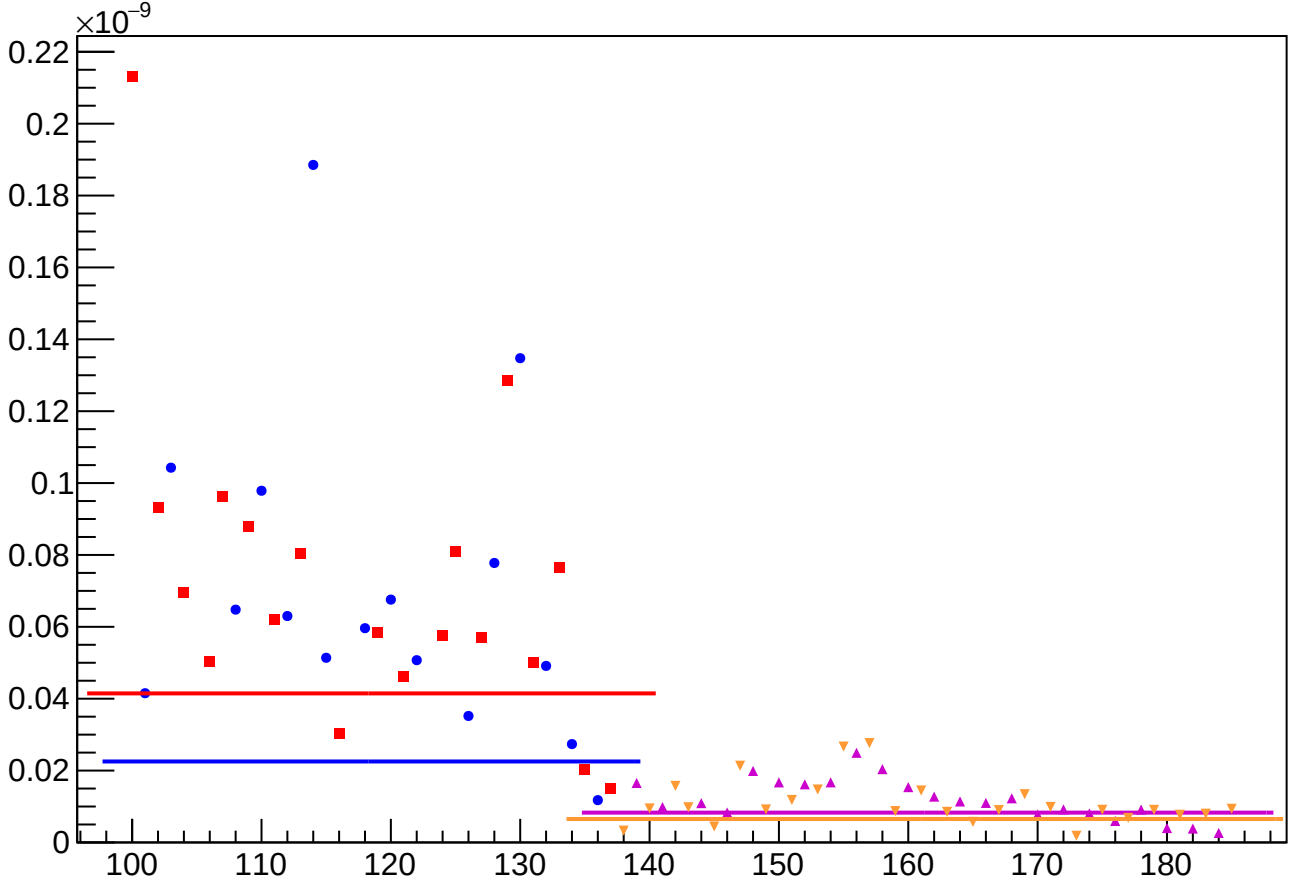
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.8/40

All: -0.000+/-0.000 χ^2/NDF: 76.4/82

- 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:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

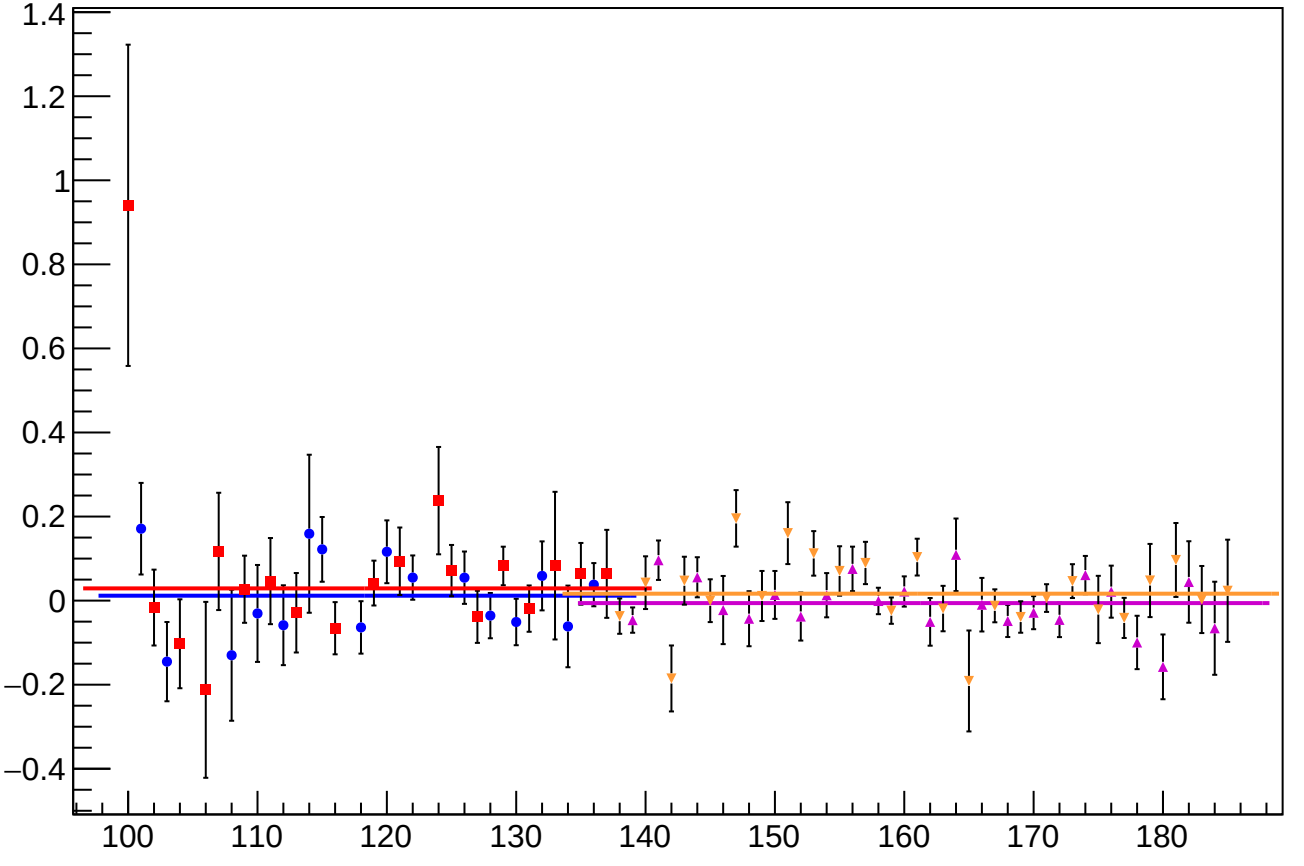
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8236685.7/40

All: 0.000+/-0.000 χ^2/NDF: 16132292.8/82

- 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:41.1/24

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

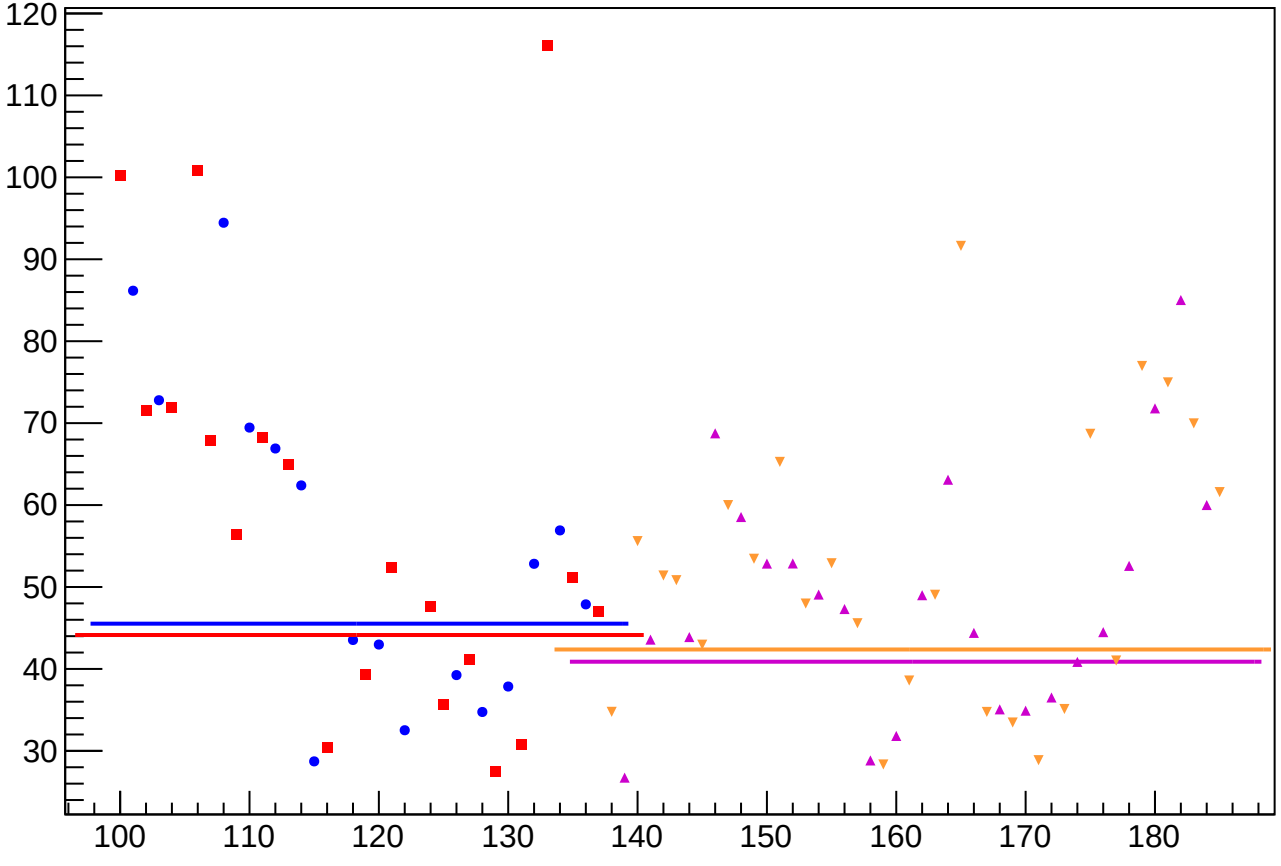
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/40

All: 0.009+/-0.006 χ^2/NDF: 107.3/82

- 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: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

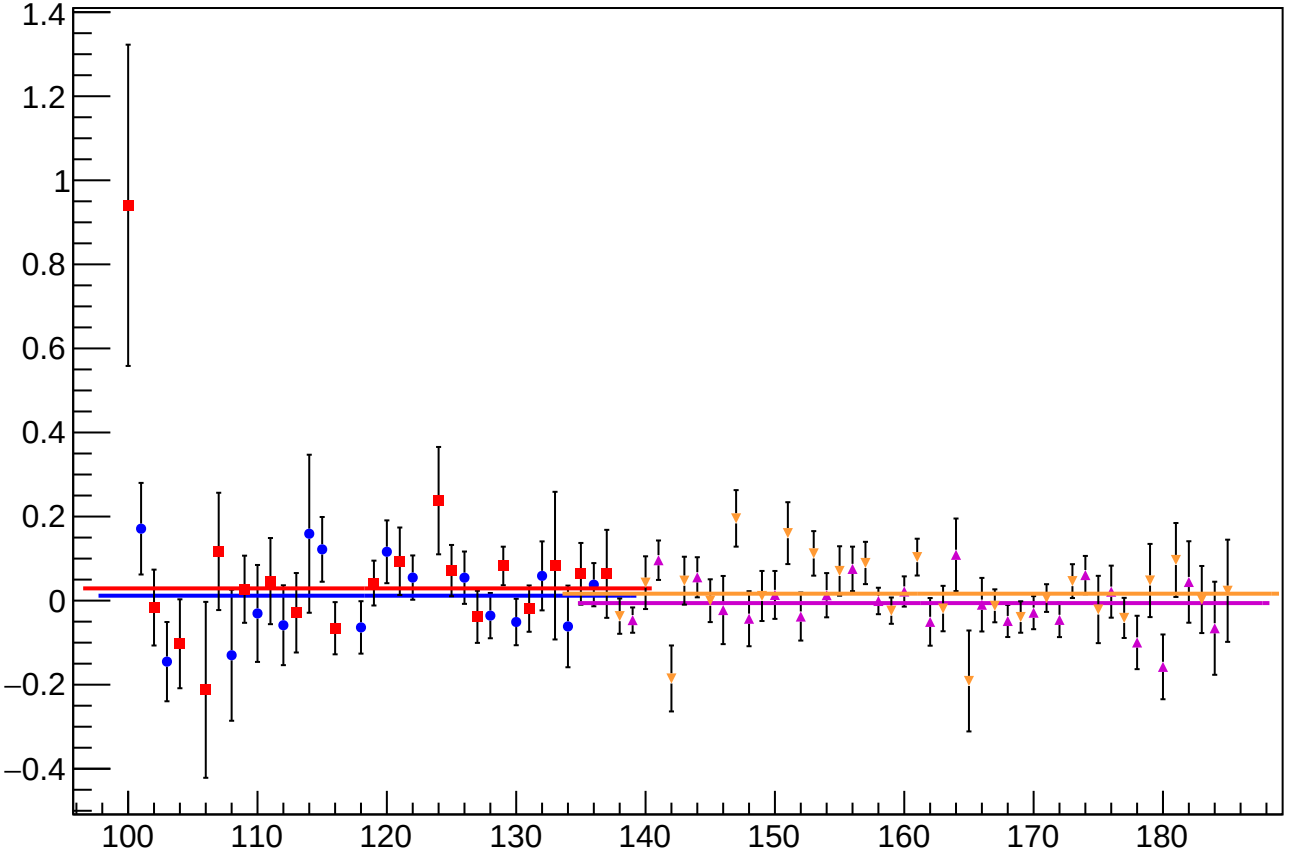
Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

\+ sign 43.137+/-0.006 χ^2/NDF: 4489768.8/40

All: 42.406+/-0.004 χ^2/NDF: 8987522.8/82

\- sign 41.691+/-0.006 χ^2/NDF: 4471713.5/41

asym_sam_3726_avg_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:41.1/24

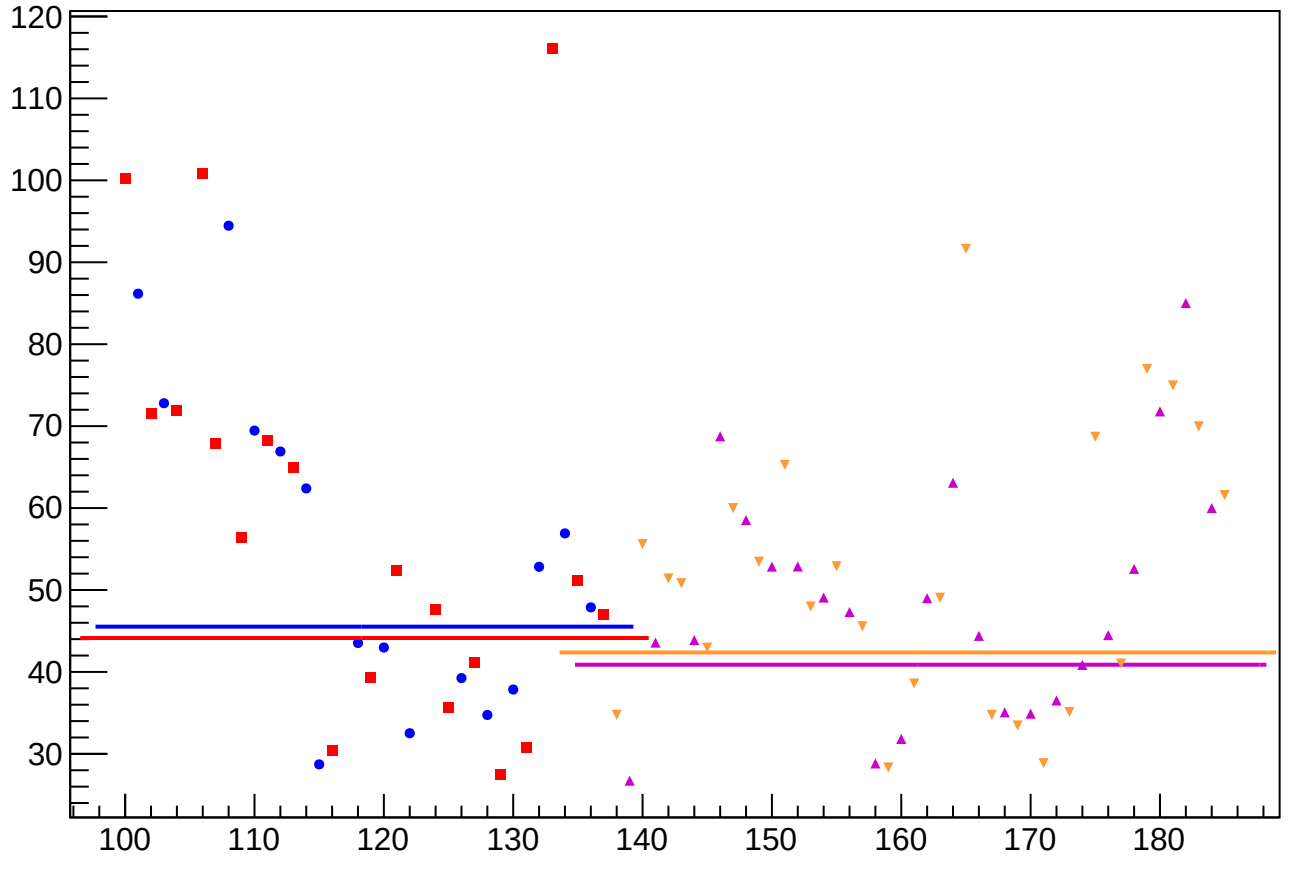
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/40

All: 0.009+/-0.006 χ^2/NDF: 107.3/82

- sign 0.003+/-0.009 χ^2/NDF: 48.4/41



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

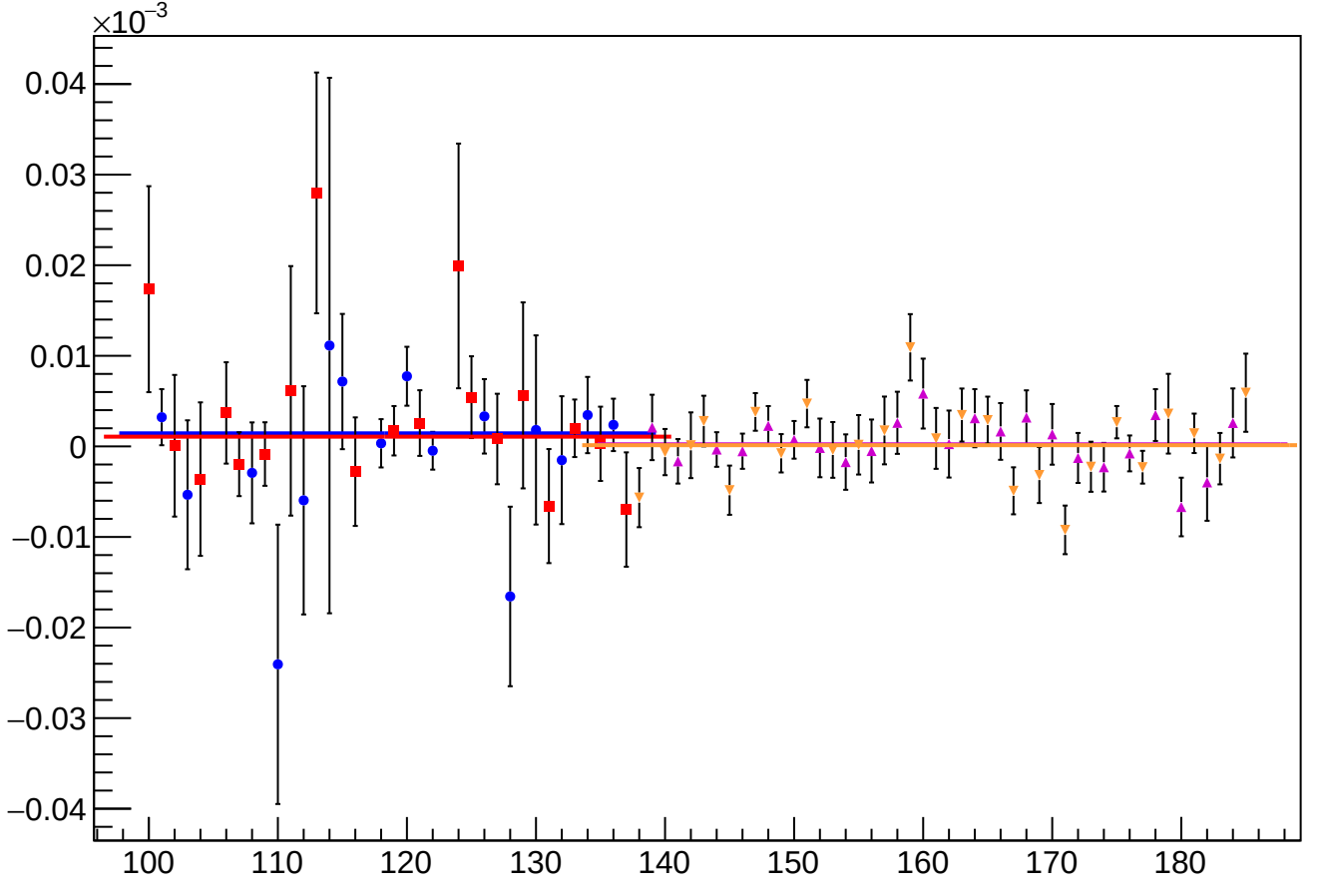
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

\+ sign 43.137+/-0.006 χ^2/NDF: 4489768.8/40

All: 42.406+/-0.004 χ^2/NDF: 8987522.8/82

\- 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:49.9/24

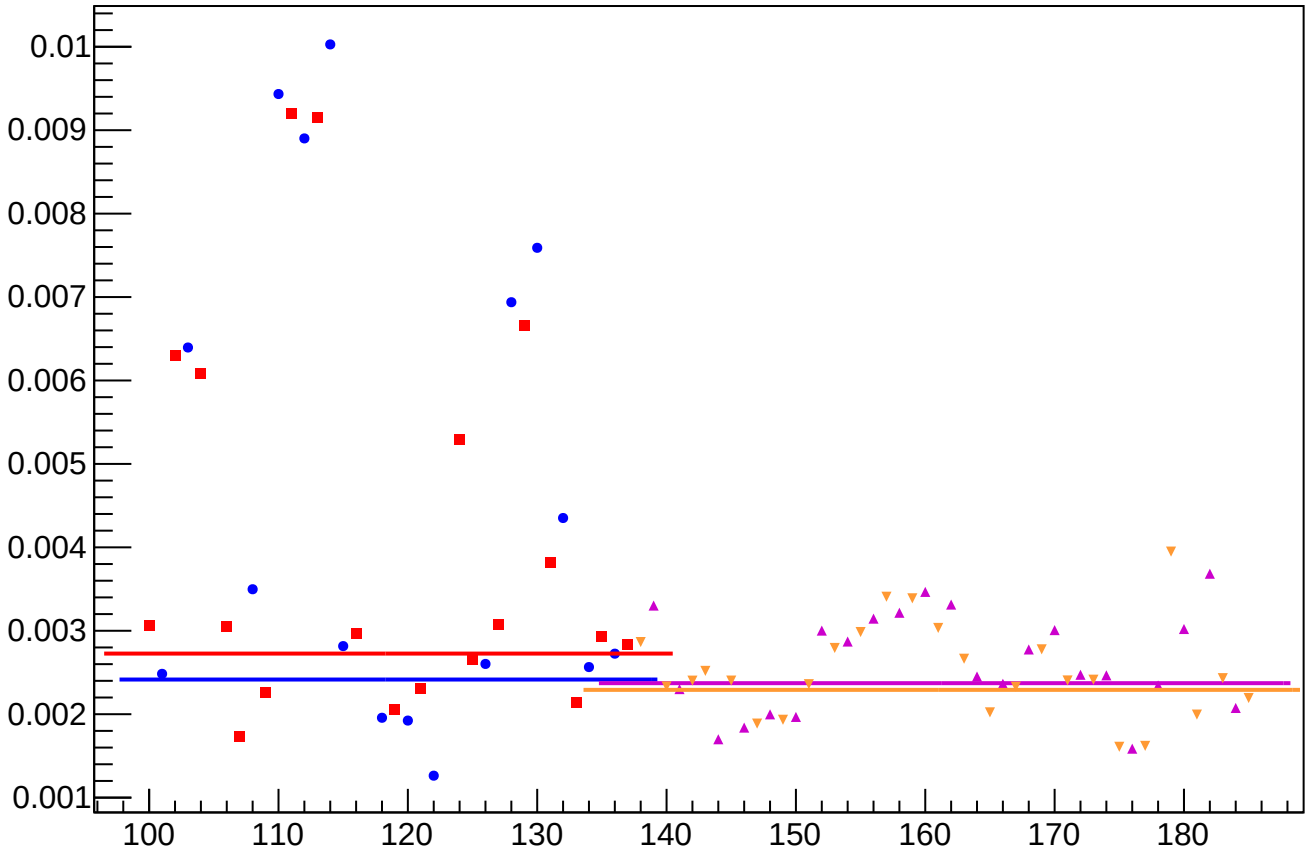
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.4/40

All: 0.000+/-0.000 χ^2/NDF: 96.5/82

- 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:1818891.6/24

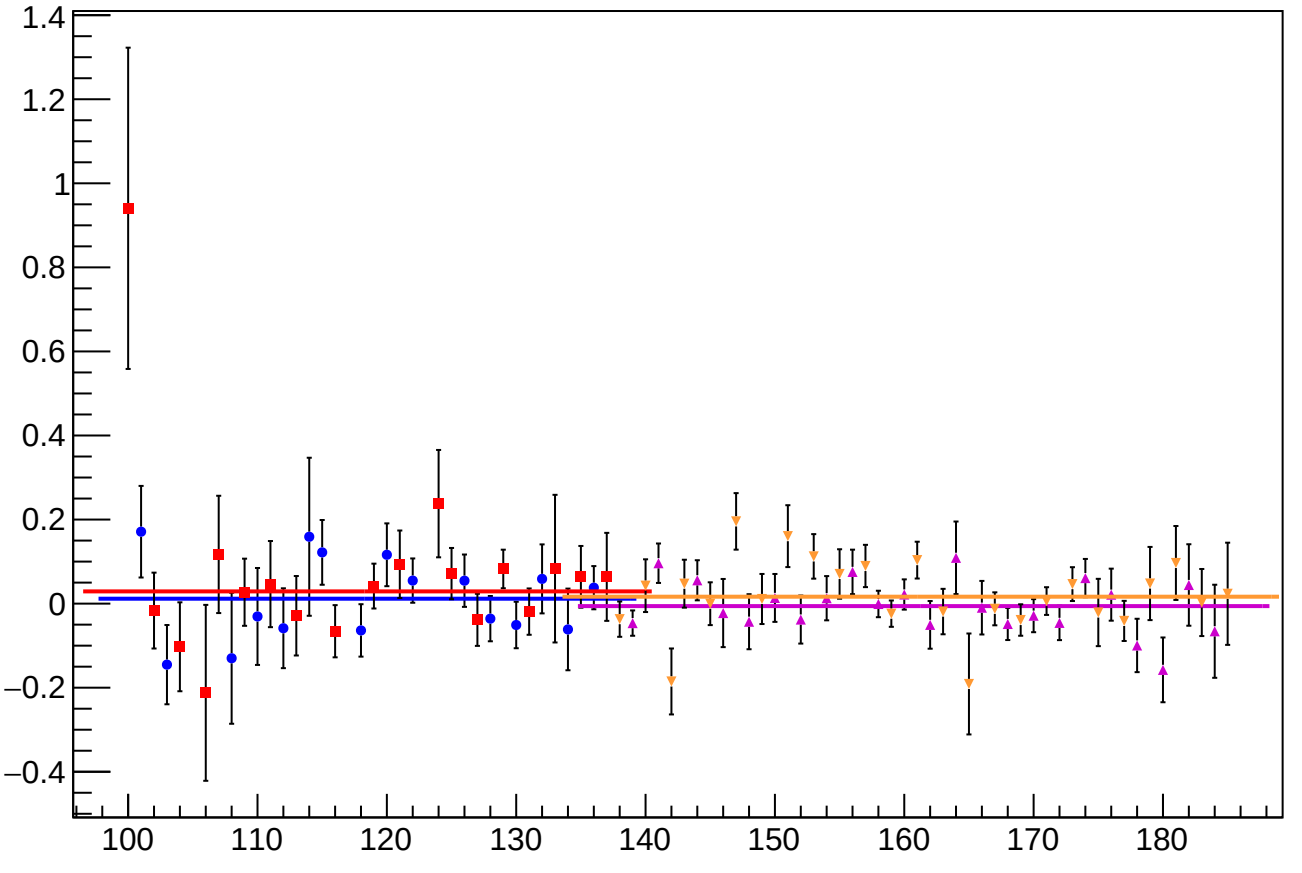
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5273322.5/40

All: 0.002+/-0.000 χ^2/NDF: 10023951.2/82

- 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:41.1/24

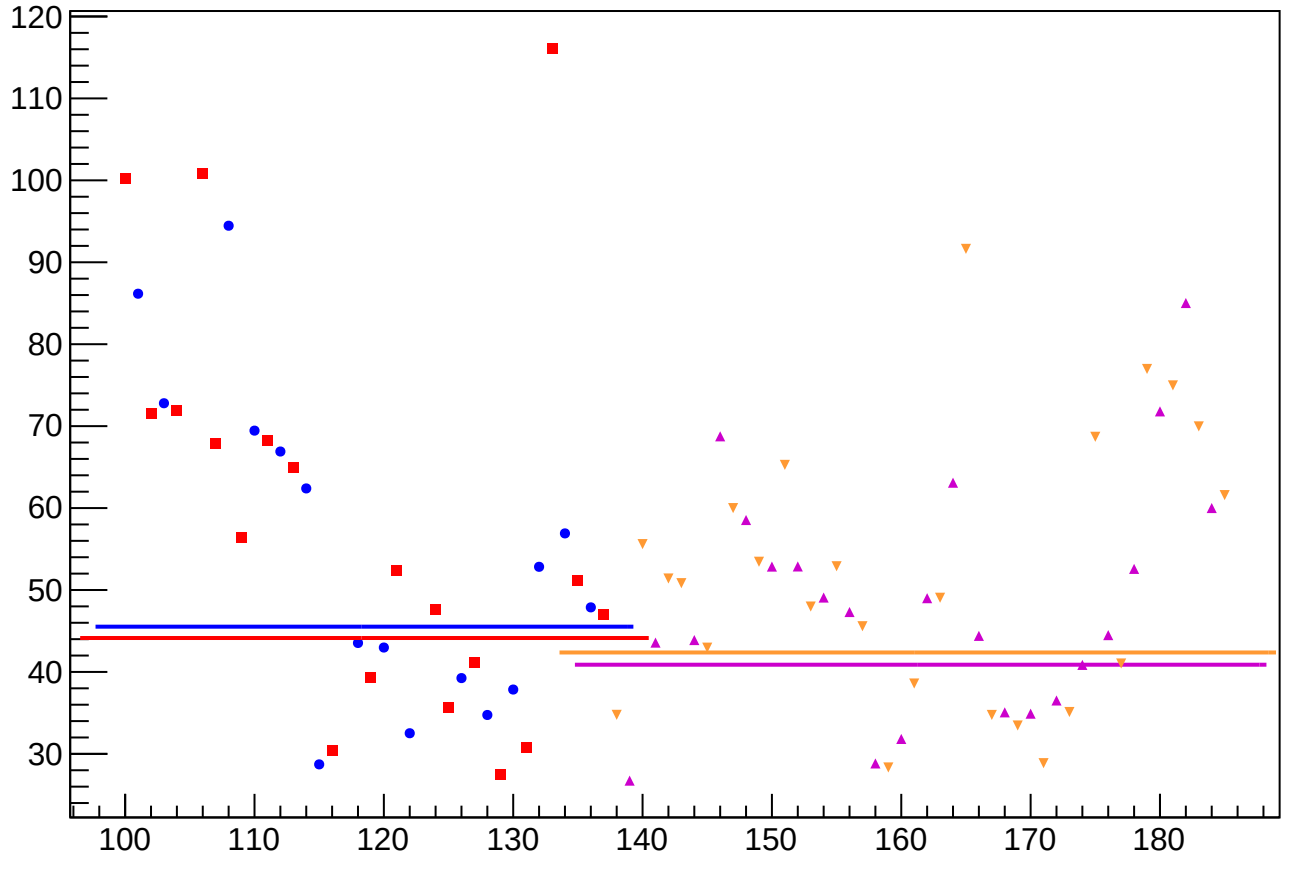
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/40

All: 0.009+/-0.006 χ^2/NDF: 107.3/82

- 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: 42.375+/-0.007 χ^2/NDF:3190999.9/24

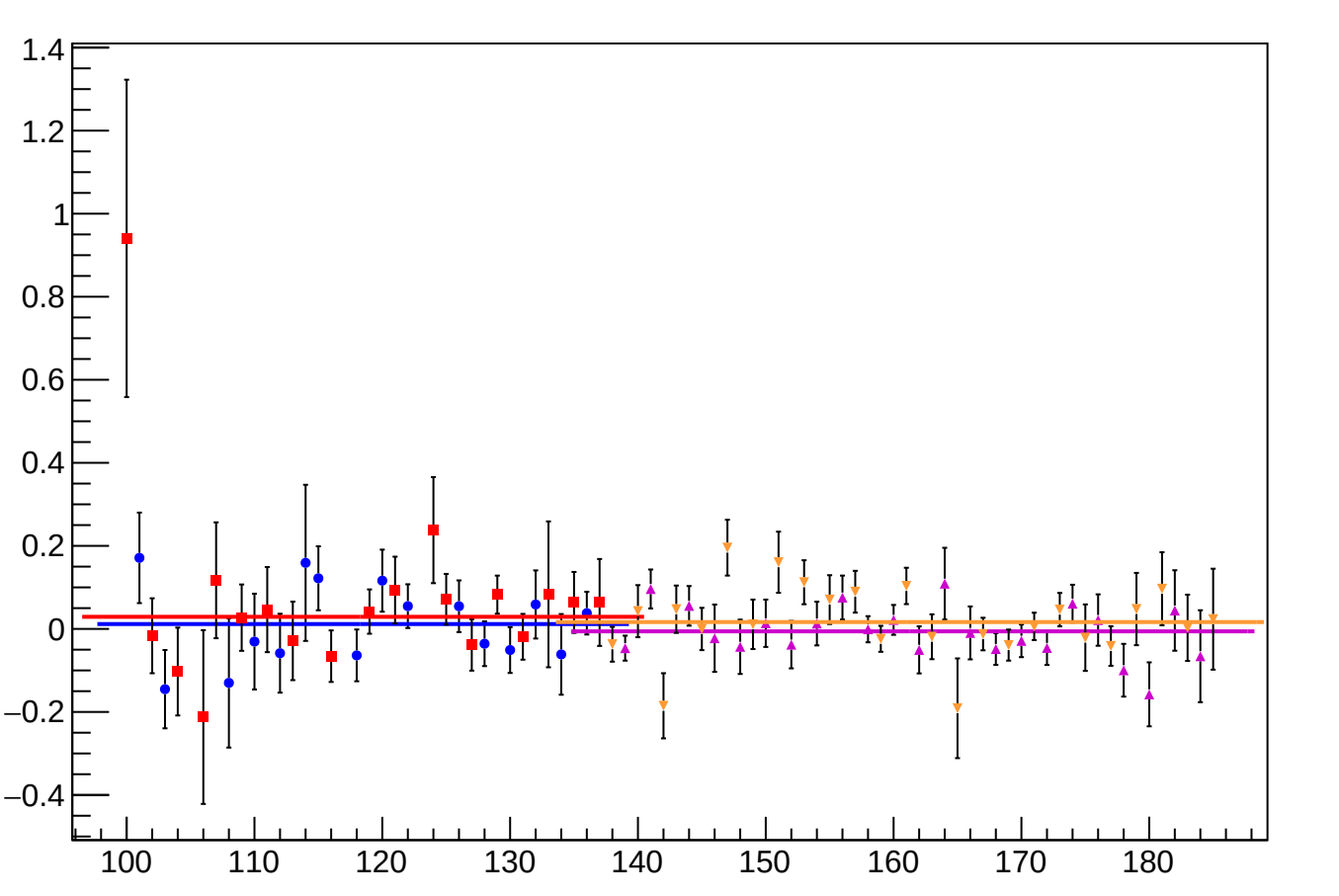
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.137+/-0.006 χ^2/NDF: 4489742.7/40

All: 42.406+/-0.004 χ^2/NDF: 8987429.7/82

- sign 41.691+/-0.006 χ^2/NDF: 4471651.1/41



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

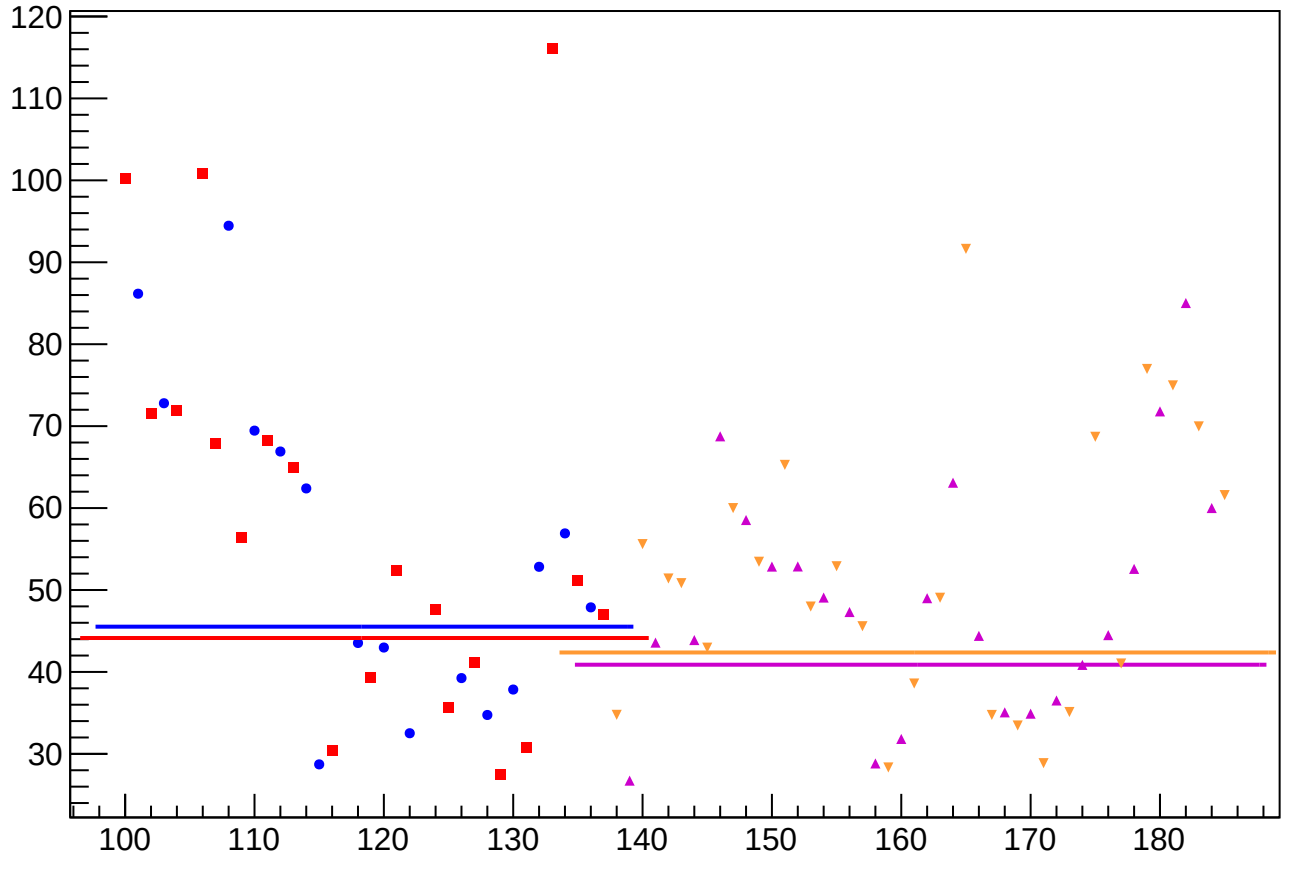
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.015+/-0.009 χ^2/NDF: 58.0/40

All: 0.009+/-0.006 χ^2/NDF: 107.3/82

- 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: 42.375+/-0.007 χ^2/NDF:3190999.9/24

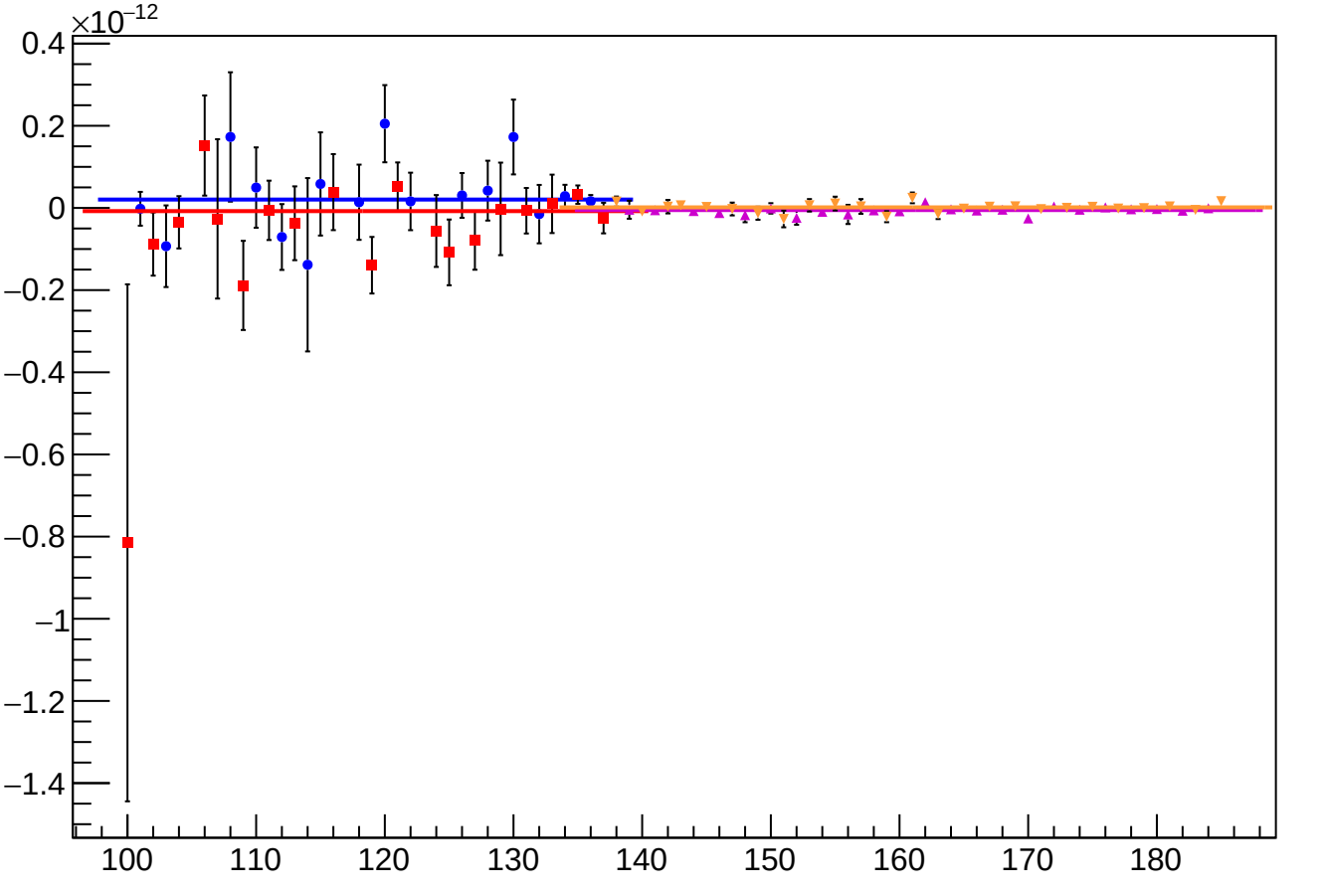
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

\+ sign 43.137+/-0.006 χ^2/NDF: 4489742.7/40

All: 42.406+/-0.004 χ^2/NDF: 8987429.7/82

\- 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:19.7/24

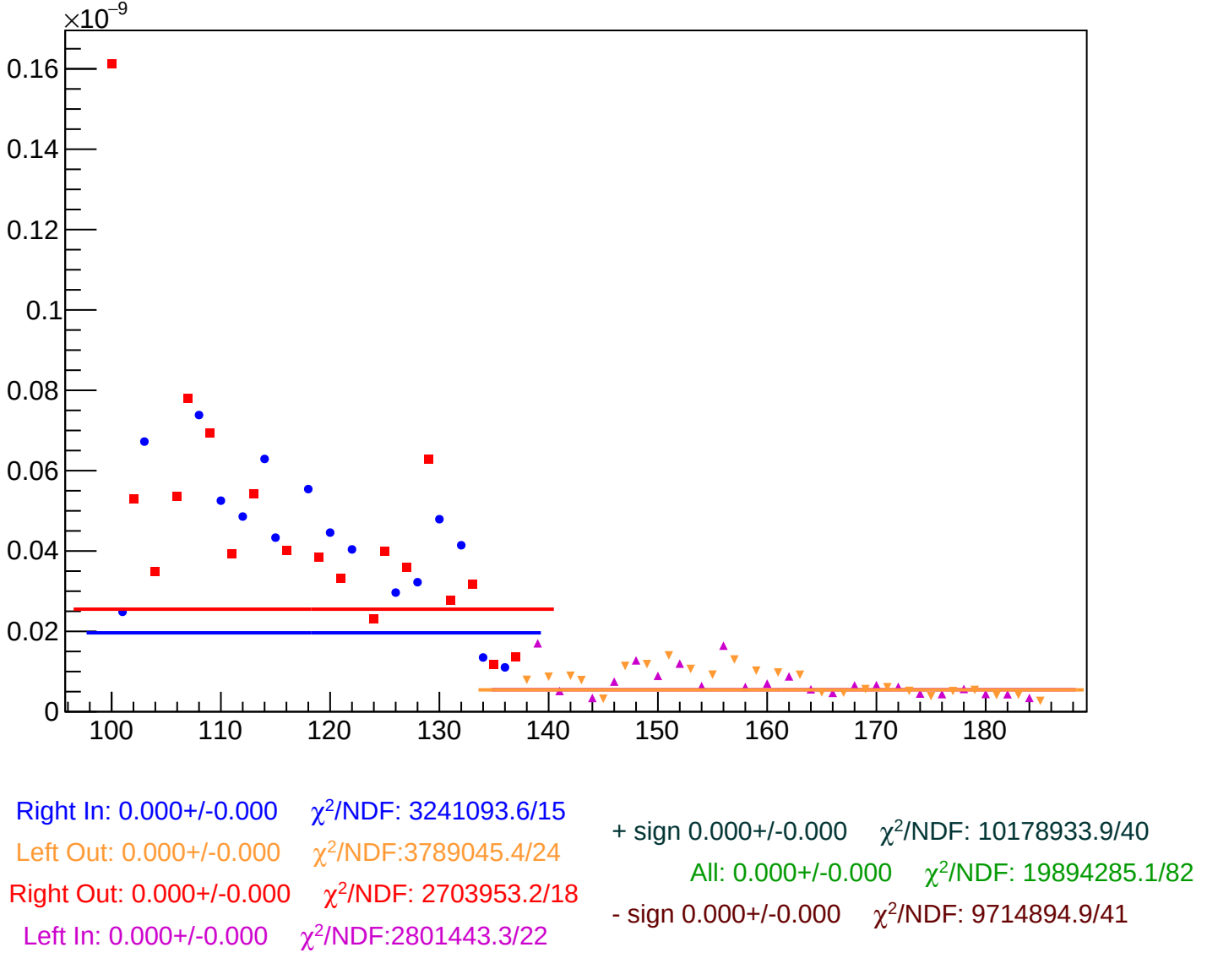
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

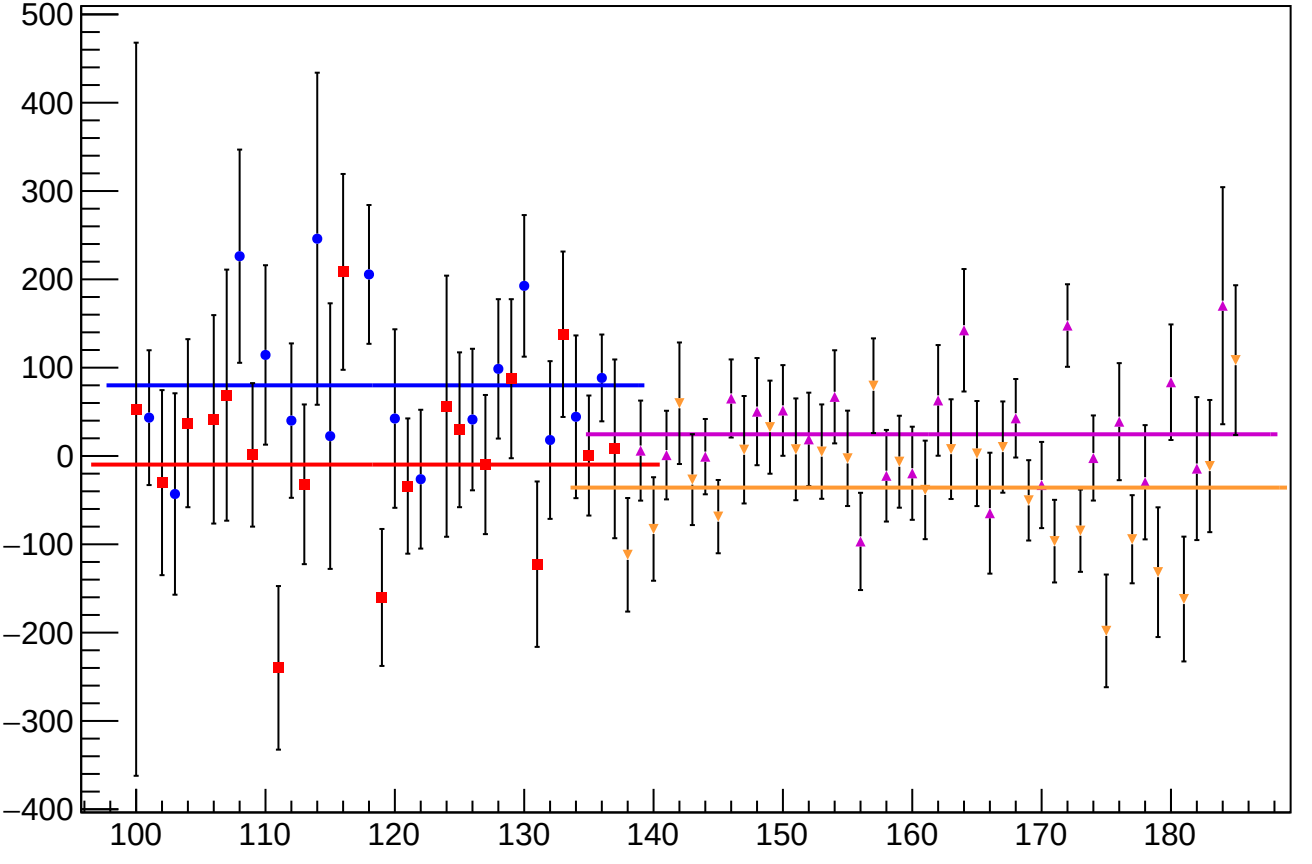
+ sign 0.000+/-0.000 χ^2/NDF: 34.3/40

All: -0.000+/-0.000 χ^2/NDF: 74.4/82

- 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:3789045.4/24
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: 10178933.9/40
All: 0.000+/-0.000 χ²/NDF: 19894285.1/82
- 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: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

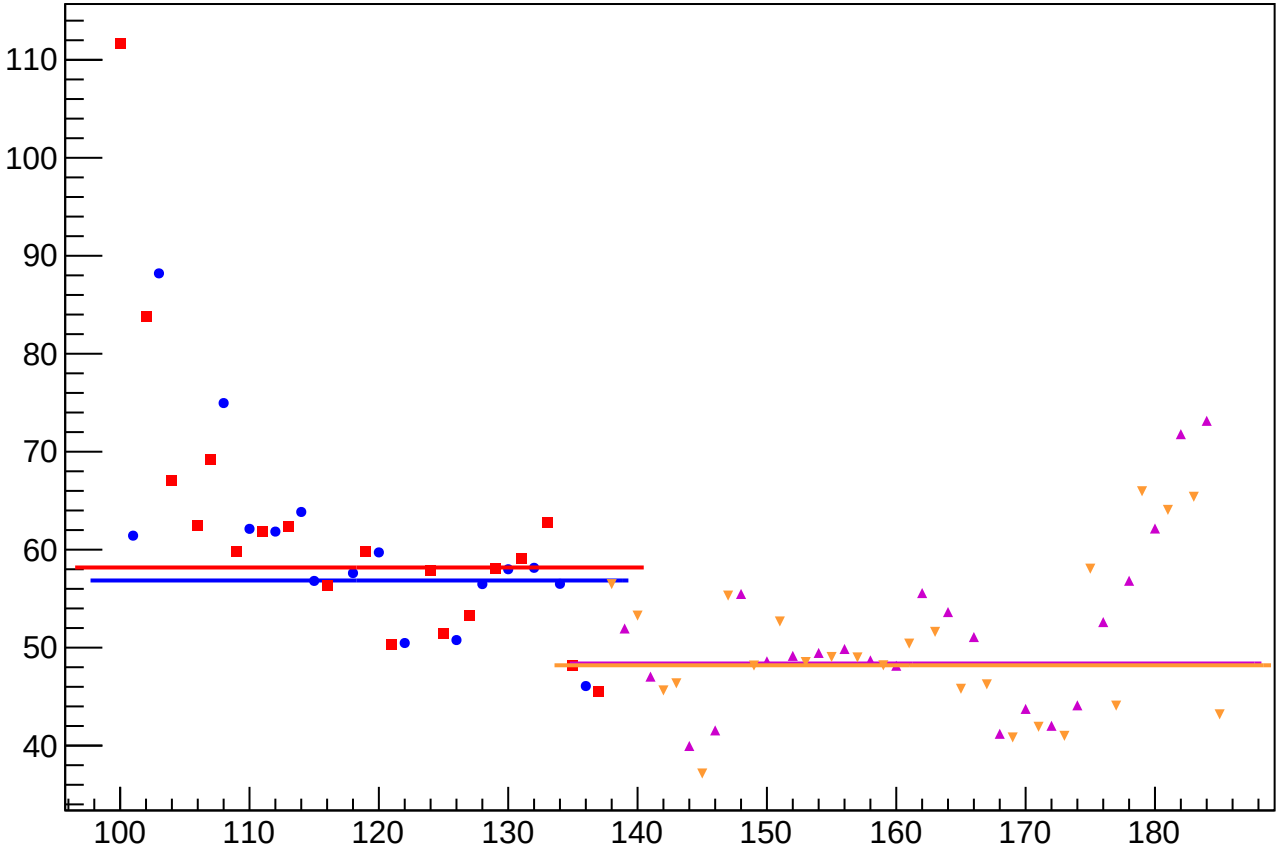
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -11.308+/-9.874 χ^2/NDF: 68.2/40

All: 2.498+/-7.072 χ^2/NDF: 120.2/82

- 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: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

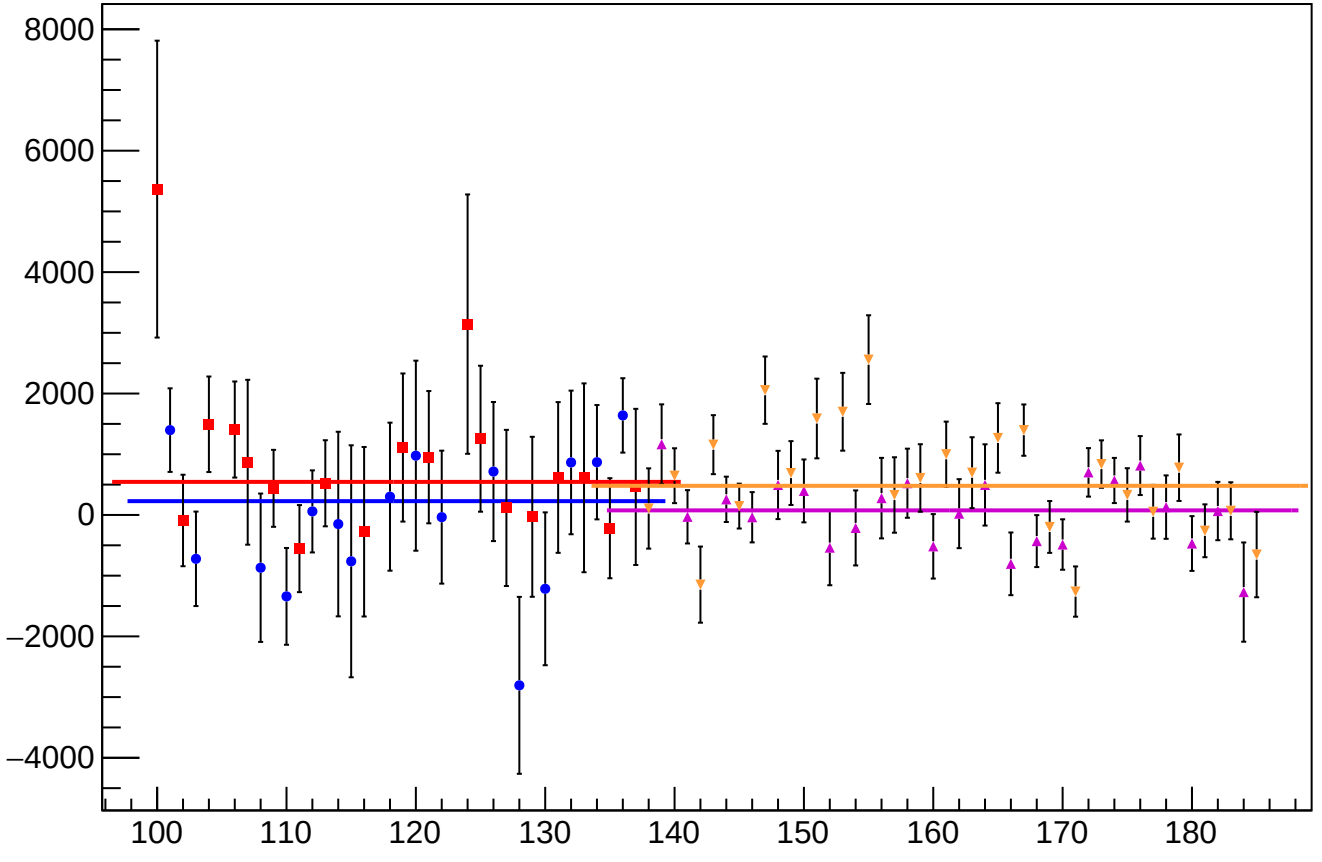
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.028+/-0.007 χ^2/NDF: 1378133.4/40

All: 50.275+/-0.005 χ^2/NDF: 2711509.9/82

- 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: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

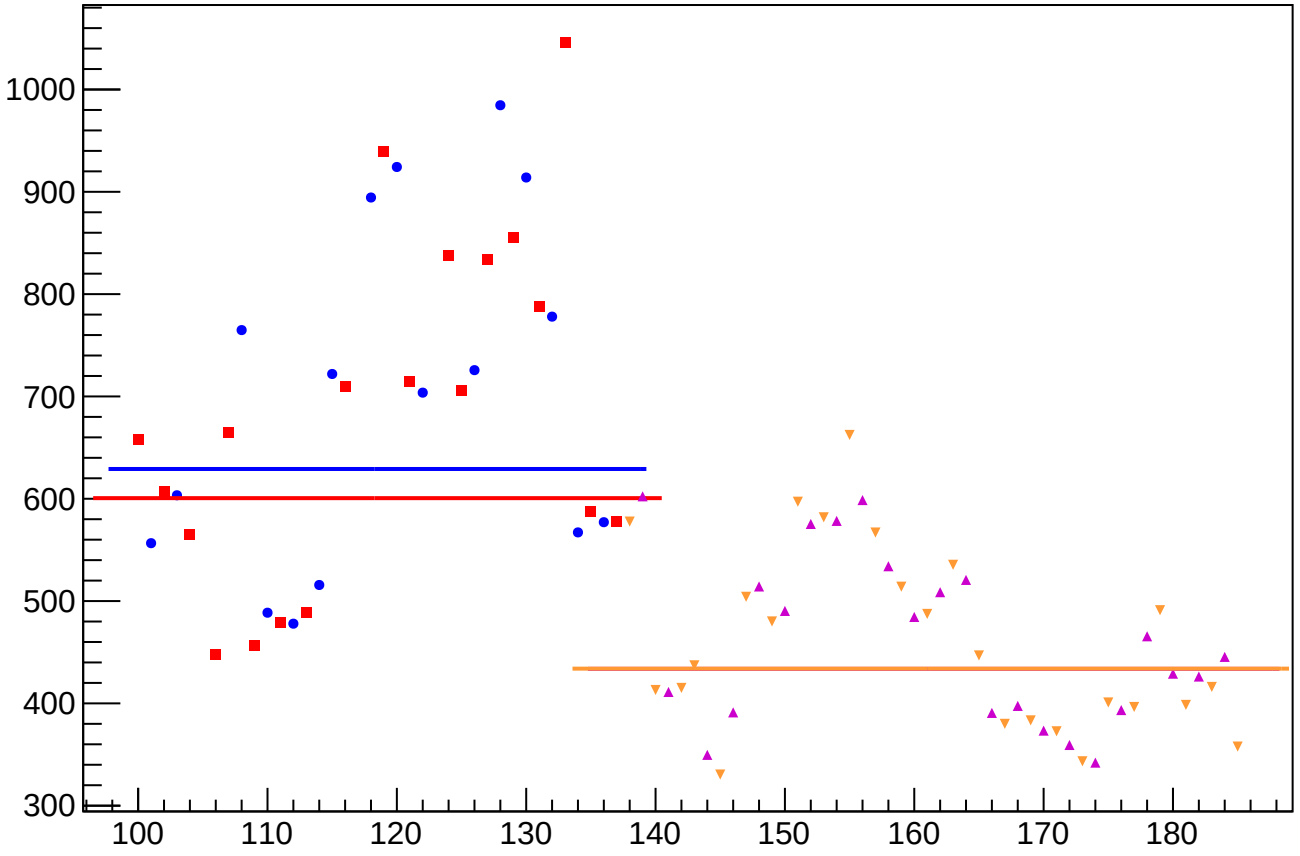
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 442.823+/-92.791 χ^2/NDF: 91.8/40

All: 301.021+/-66.005 χ^2/NDF: 137.9/82

- sign 155.778+/-93.910 χ^2/NDF: 41.4/41

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

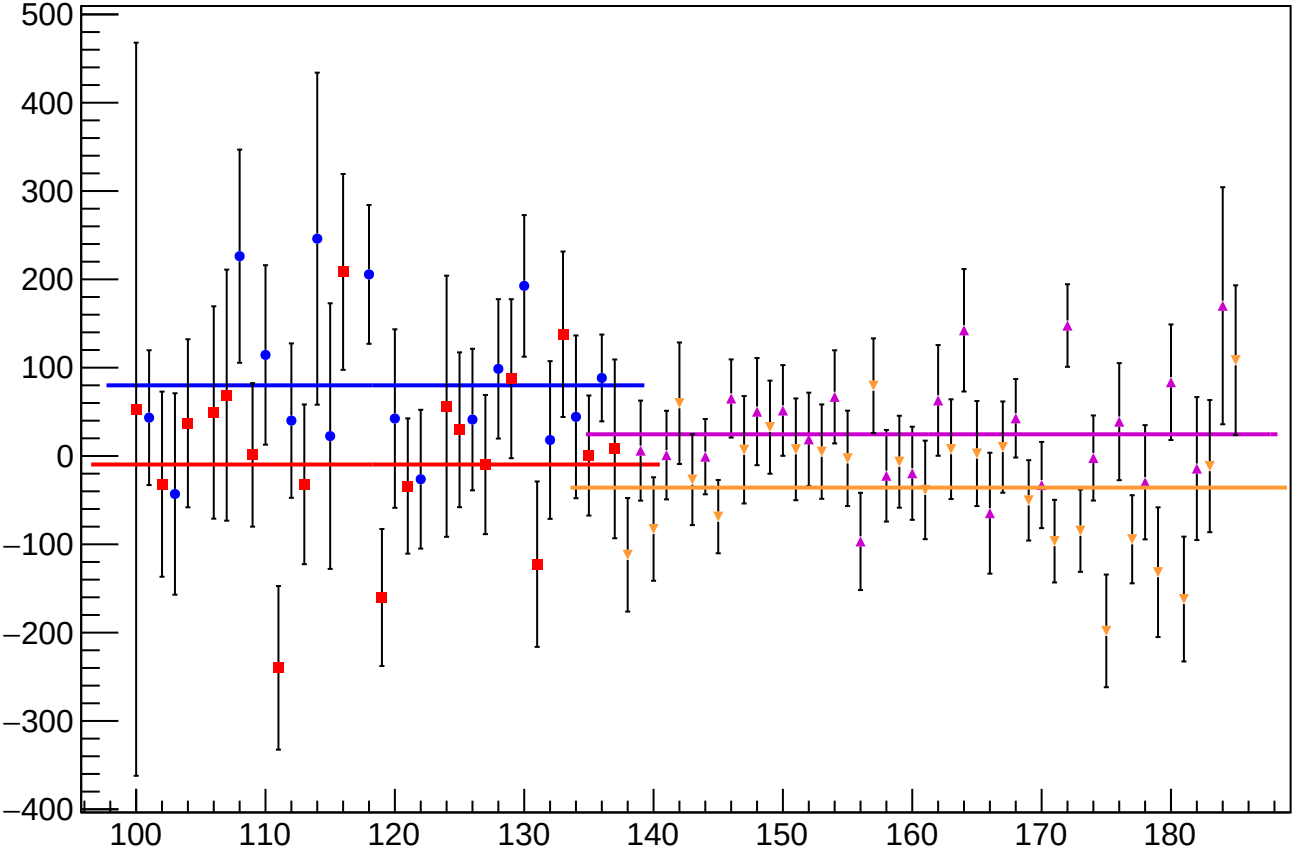
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 462.821+/-0.066 χ^2/NDF: 3051702.4/40

All: 462.524+/-0.047 χ^2/NDF: 5915445.5/82

- 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: -35.792+/-11.119 χ^2/NDF:33.7/24

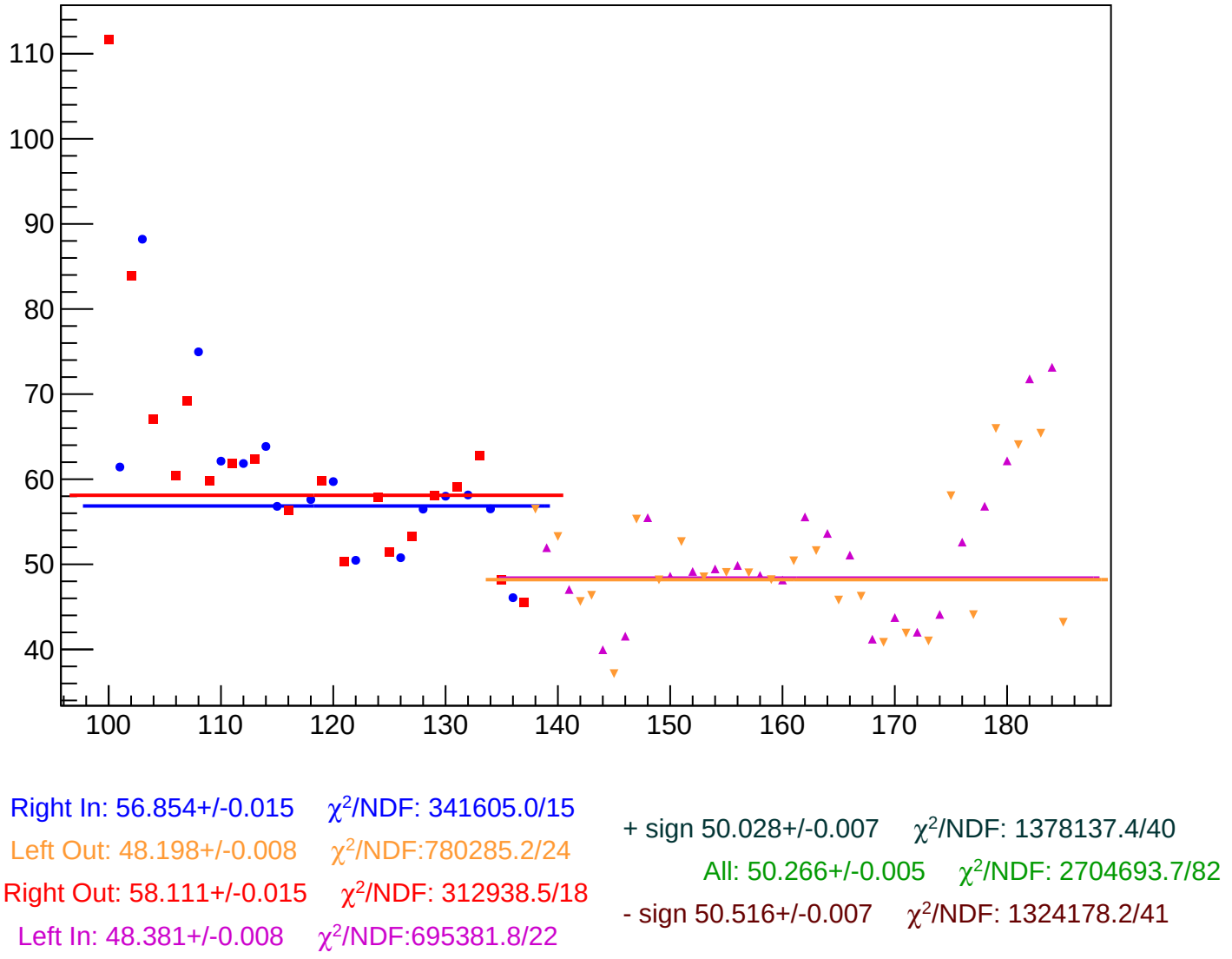
Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.311+/-9.874 χ^2/NDF: 68.2/40

All: 2.510+/-7.072 χ^2/NDF: 120.3/82

- sign 17.068+/-10.134 χ^2/NDF: 48.1/41


cor_asym_sam_15_48_dd_rms vs Slug
110
100
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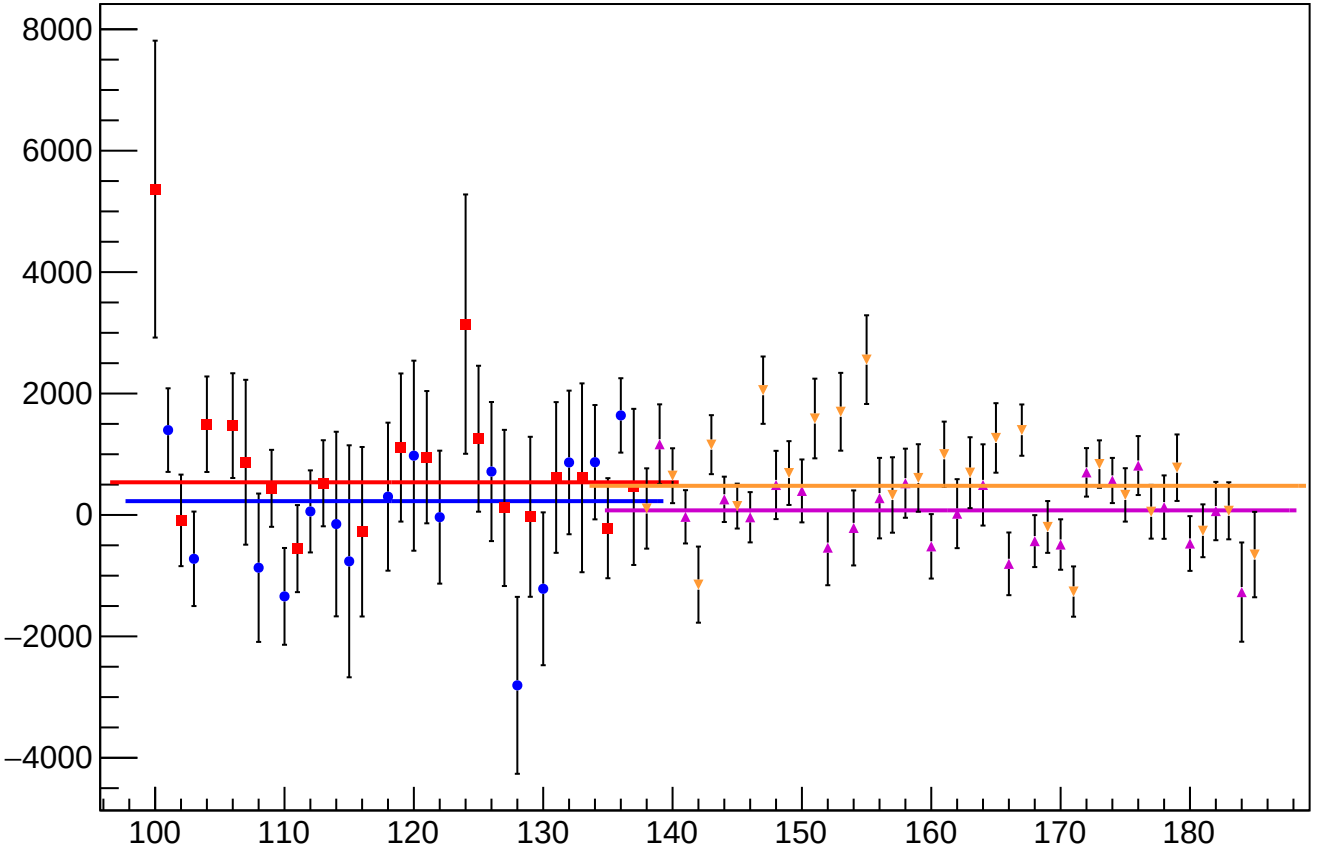
40
100
110
120
130
140
150
160
170
180
Right In: 56.854+/-0.015 χ²/NDF: 341605.0/15
Left Out: 48.198+/-0.008 χ²/NDF:780285.2/24
Right Out: 58.111+/-0.015 χ²/NDF: 312938.5/18
Left In: 48.381+/-0.008 χ²/NDF:695381.8/22
+ sign 50.028+/-0.007 χ²/NDF: 1378137.4/40
All: 50.266+/-0.005 χ²/NDF: 2704693.7/82
- sign 50.516+/-0.007 χ²/NDF: 1324178.2/41

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

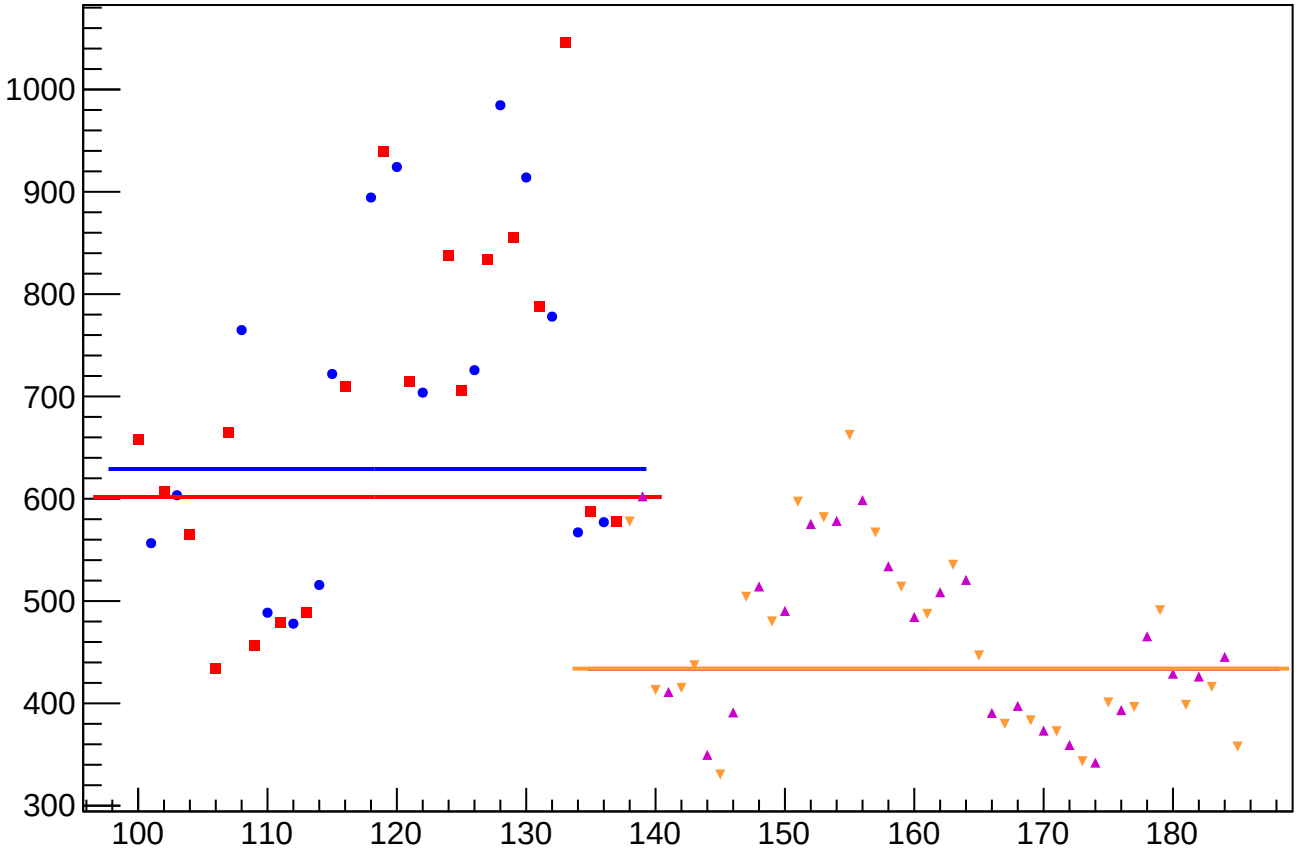
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 442.825+/-92.791 χ^2/NDF: 91.8/40

All: 300.197+/-66.042 χ^2/NDF: 137.8/82

- sign 153.779+/-94.016 χ^2/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: 433.945+/-0.071 χ^2/NDF:1243702.1/24

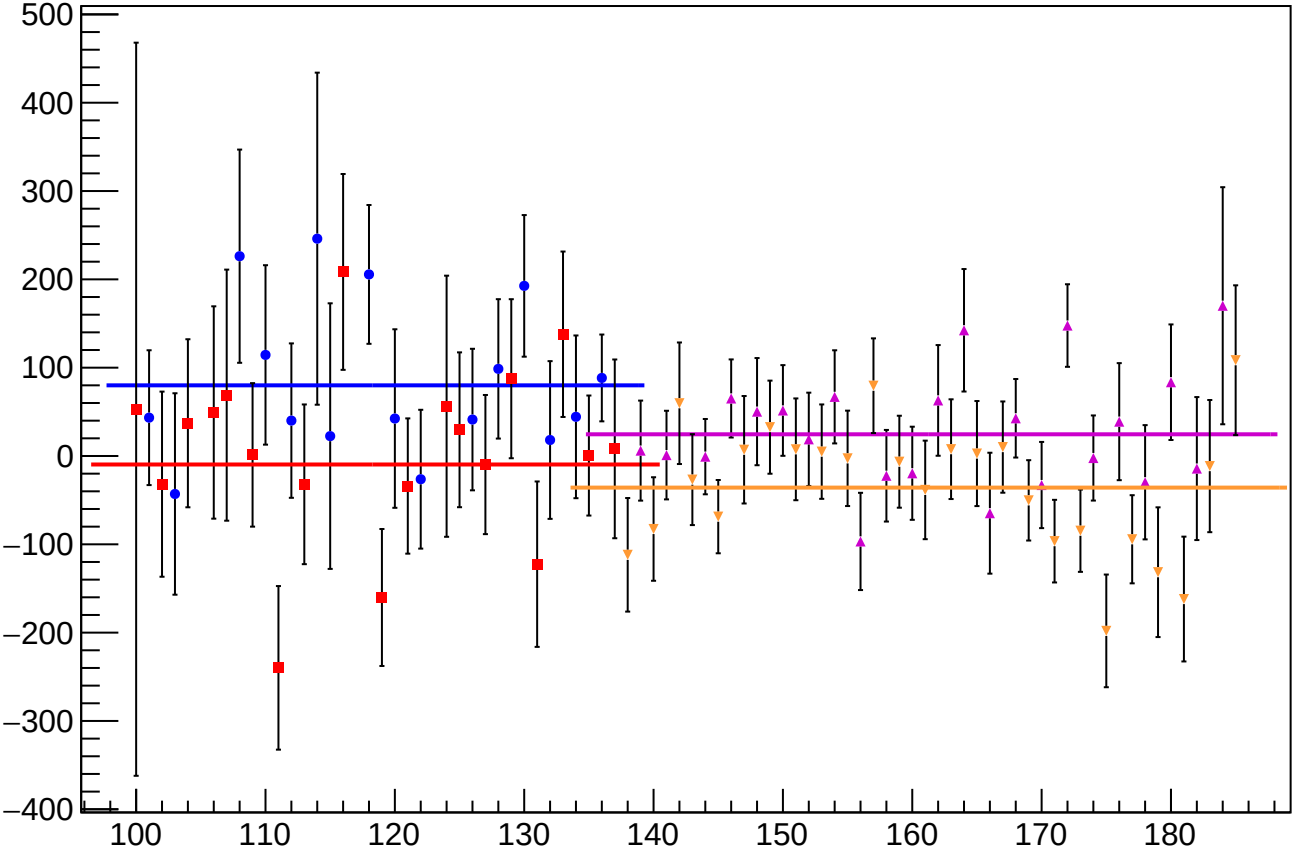
Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 462.821+/-0.066 χ^2/NDF: 3051732.4/40

All: 462.465+/-0.047 χ^2/NDF: 5917122.8/82

- sign 462.099+/-0.066 χ^2/NDF: 2865330.6/41



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

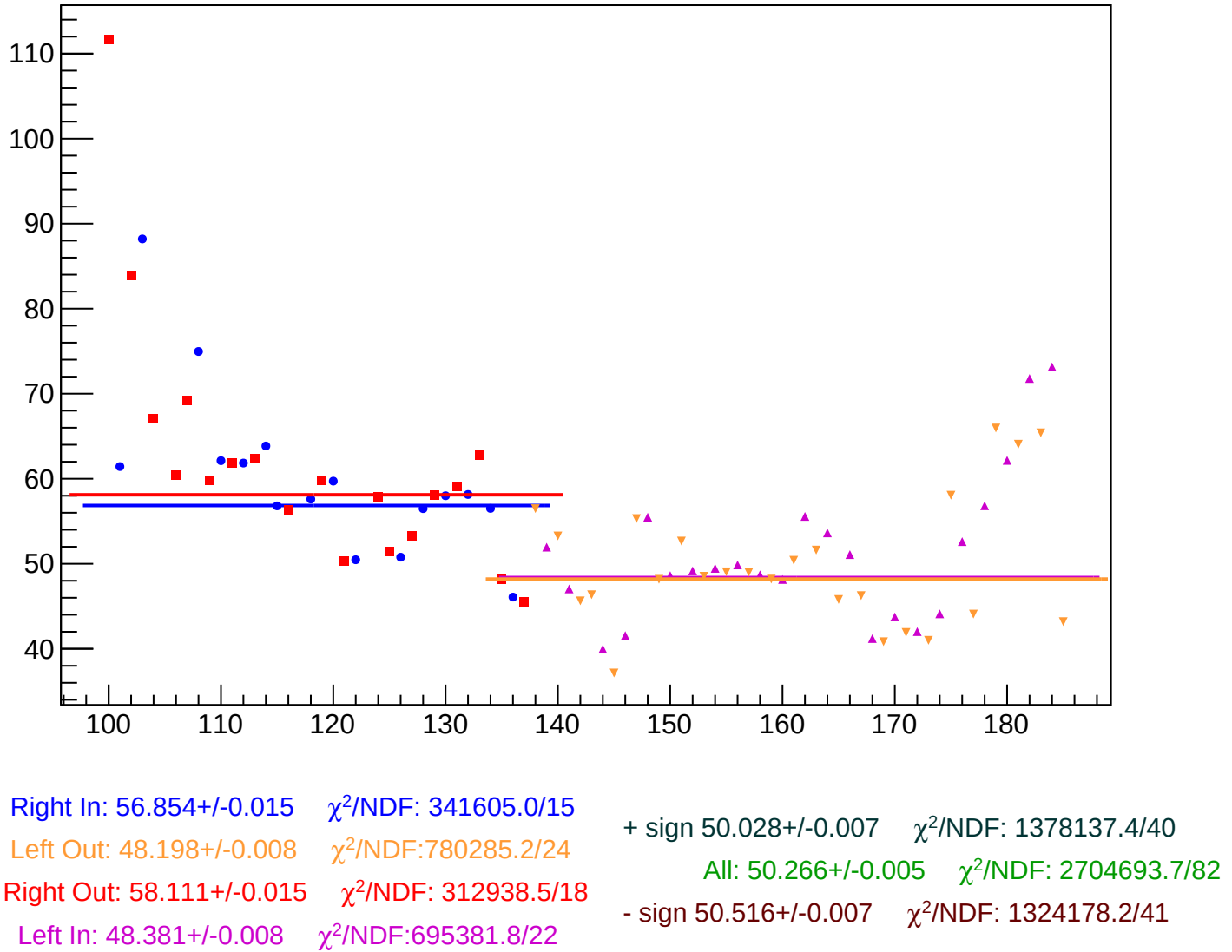
Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.311+/-9.874 χ^2/NDF: 68.2/40

All: 2.510+/-7.072 χ^2/NDF: 120.3/82

- sign 17.068+/-10.134 χ^2/NDF: 48.1/41


eigen_cor_asym_sam_15_48_dd_rms vs Slug
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150
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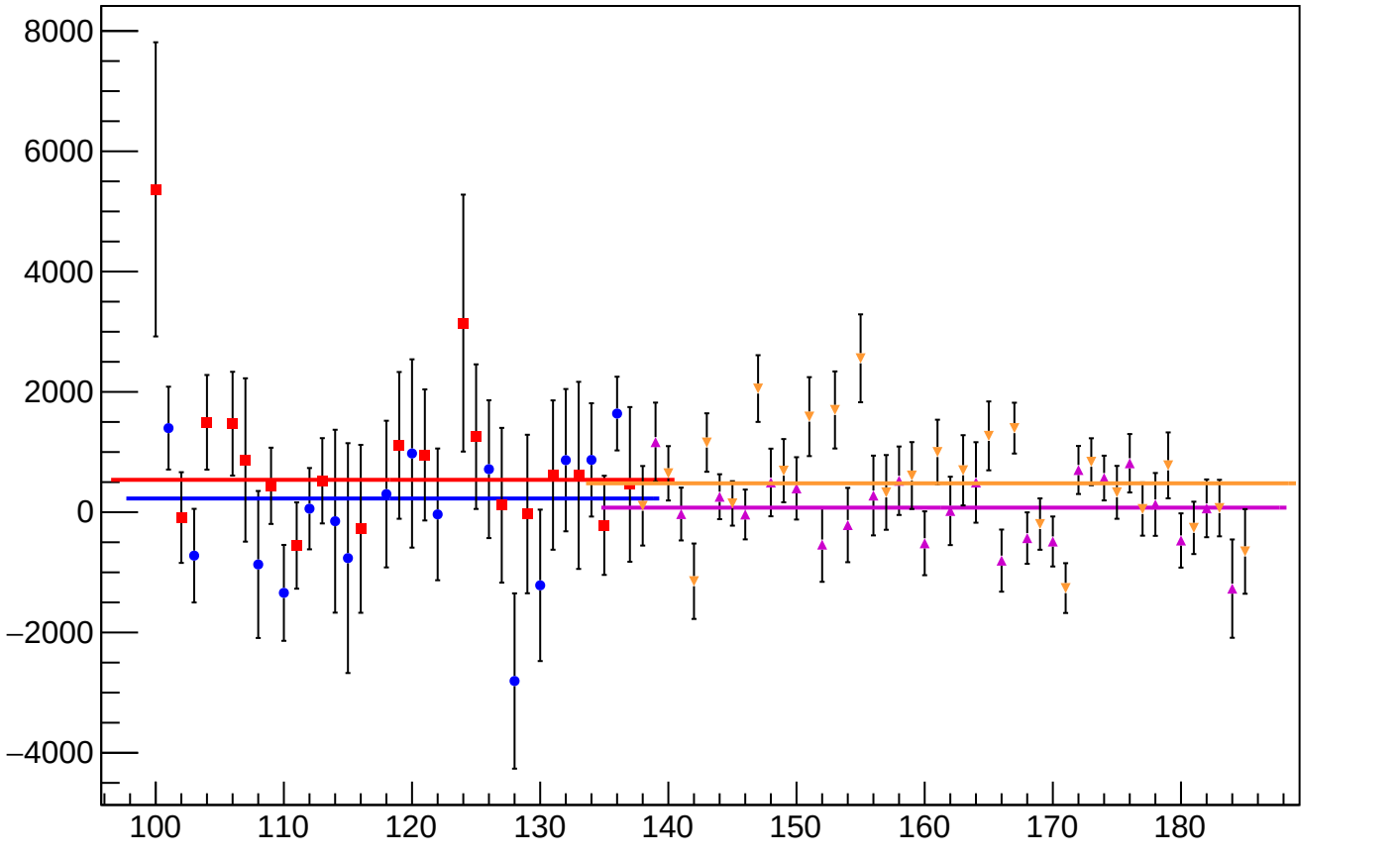
170
180
Right In: 56.854+/-0.015 χ²/NDF: 341605.0/15
Left Out: 48.198+/-0.008 χ²/NDF:780285.2/24
Right Out: 58.111+/-0.015 χ²/NDF: 312938.5/18
Left In: 48.381+/-0.008 χ²/NDF:695381.8/22
+ sign 50.028+/-0.007 χ²/NDF: 1378137.4/40
All: 50.266+/-0.005 χ²/NDF: 2704693.7/82
- sign 50.516+/-0.007 χ²/NDF: 1324178.2/41



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

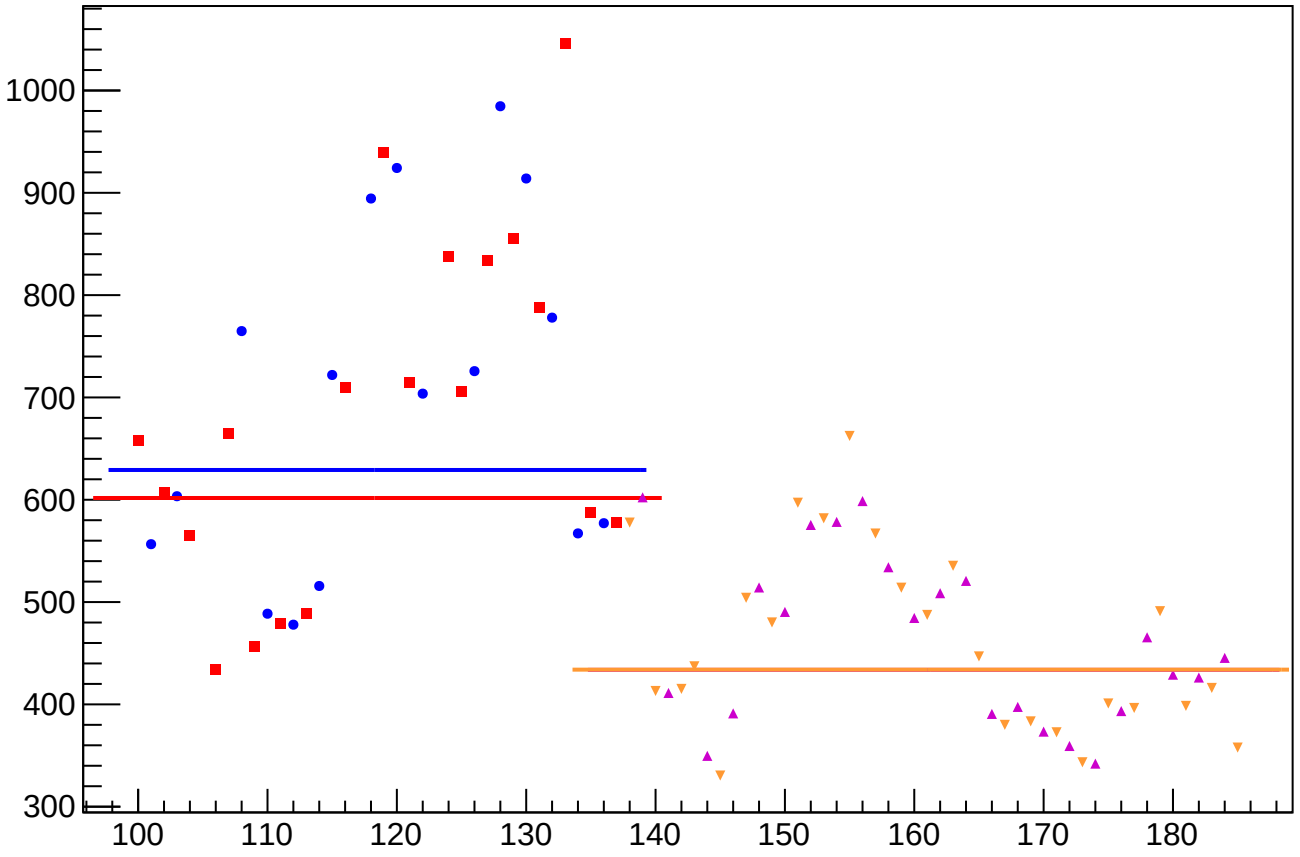
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 442.825+/-92.791 χ^2/NDF: 91.8/40

All: 300.197+/-66.042 χ^2/NDF: 137.8/82

- sign 153.779+/-94.016 χ^2/NDF: 41.2/41



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

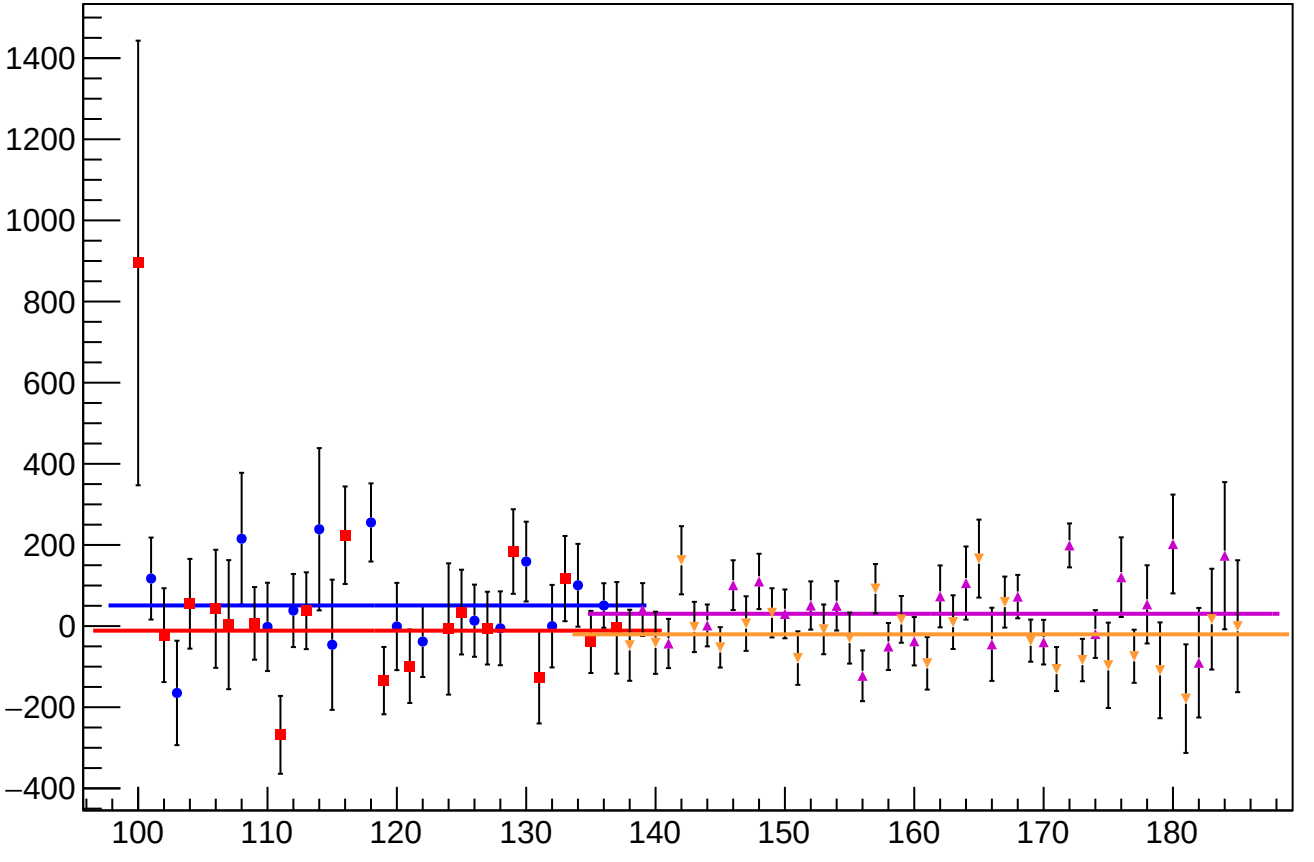
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 462.821+/-0.066 χ^2/NDF: 3051732.4/40

All: 462.465+/-0.047 χ^2/NDF: 5917122.8/82

- 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: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

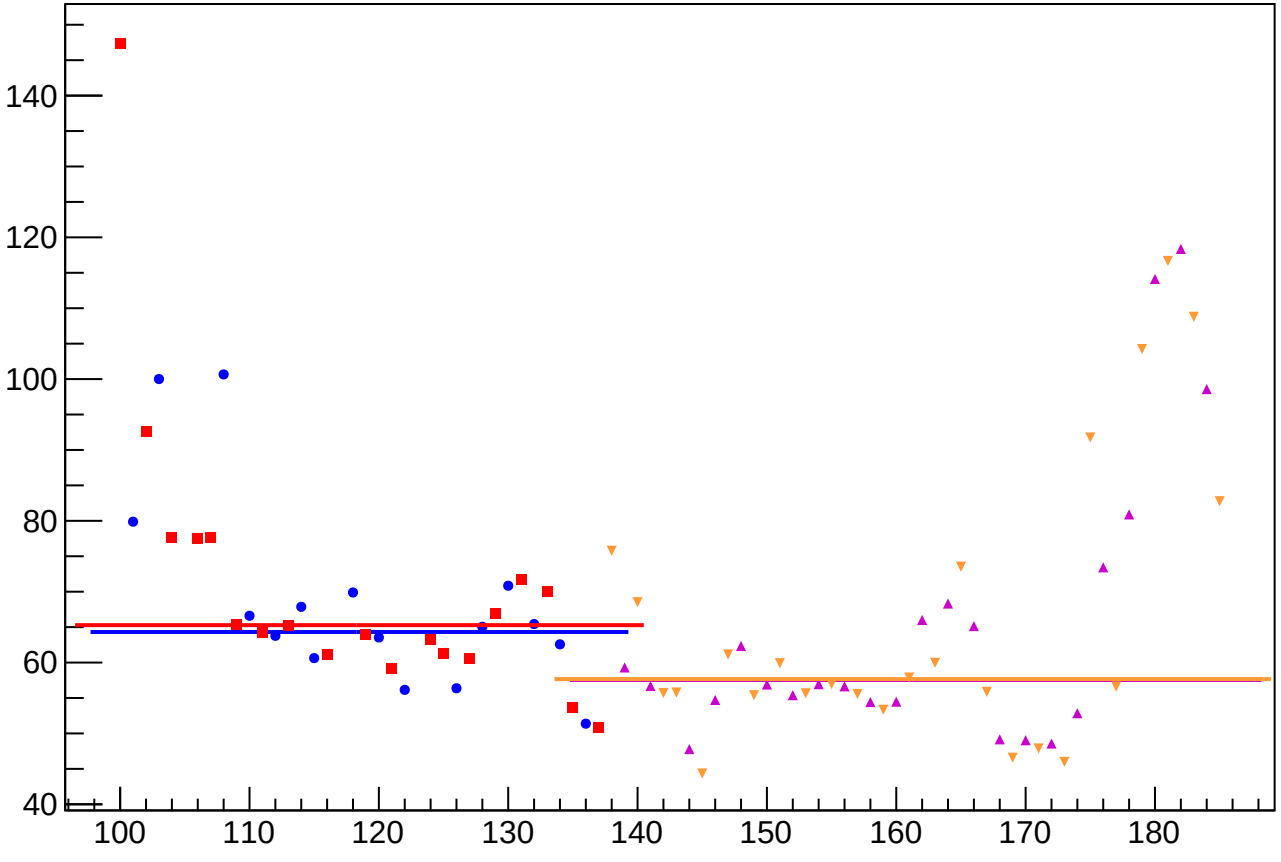
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.438+/-11.914 χ^2/NDF: 45.4/40

All: 8.078+/-8.496 χ^2/NDF: 106.1/82

- 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: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

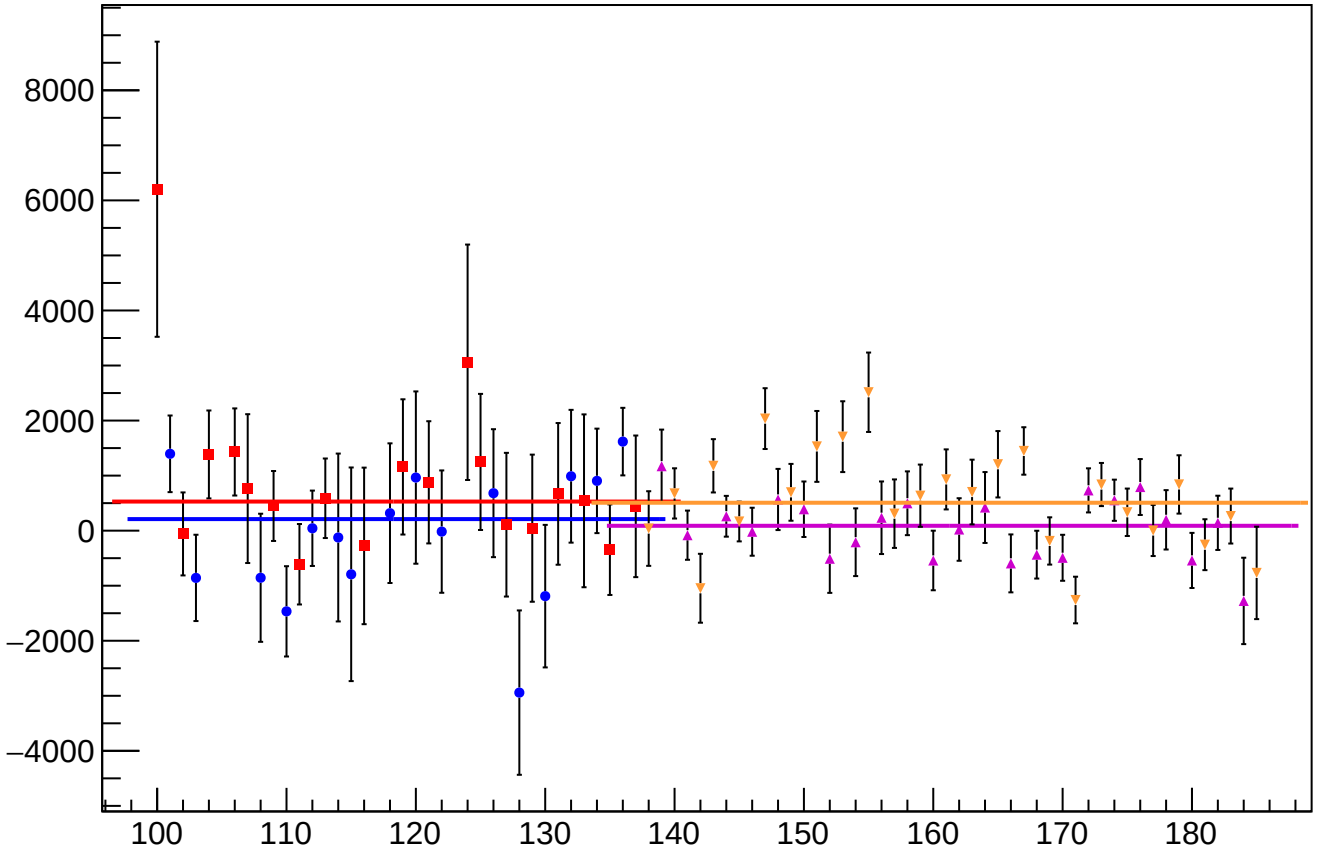
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 59.241+/-0.008 χ^2/NDF: 2487204.6/40

All: 59.349+/-0.006 χ^2/NDF: 4402103.0/82

- 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: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

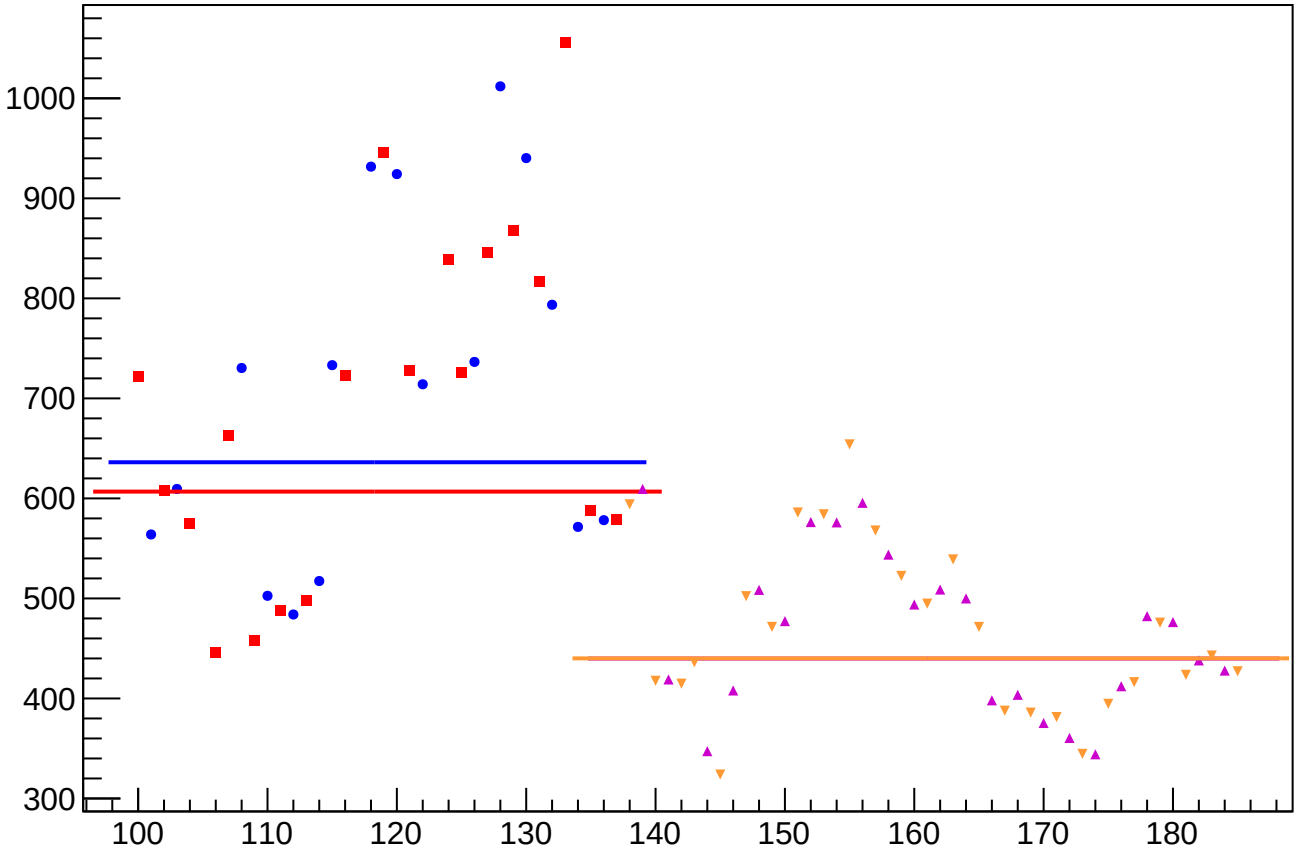
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 463.070+/-93.921 χ^2/NDF: 89.5/40

All: 315.487+/-66.842 χ^2/NDF: 134.7/82

- 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: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

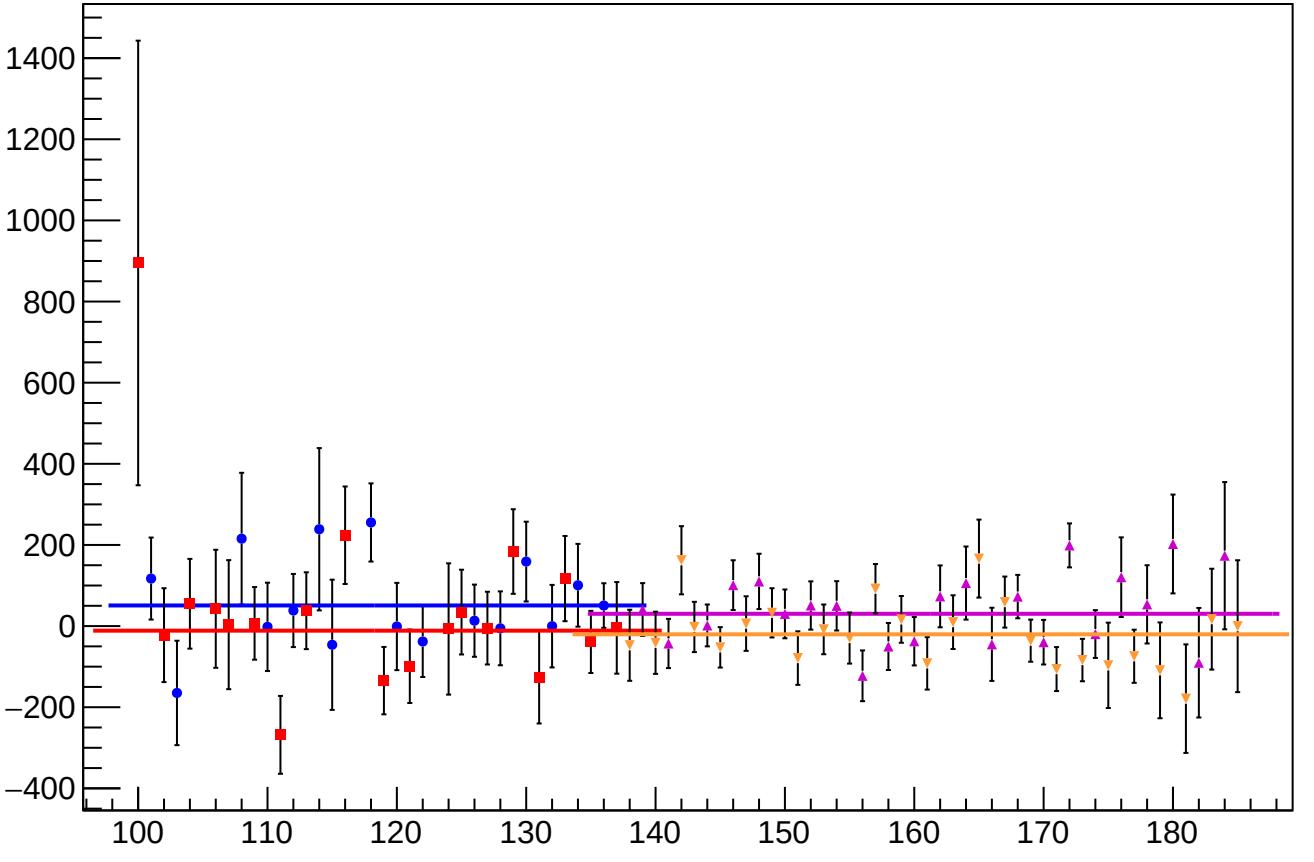
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 469.174+/-0.066 χ^2/NDF: 3003810.7/40

All: 468.854+/-0.047 χ^2/NDF: 5834762.0/82

- 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: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

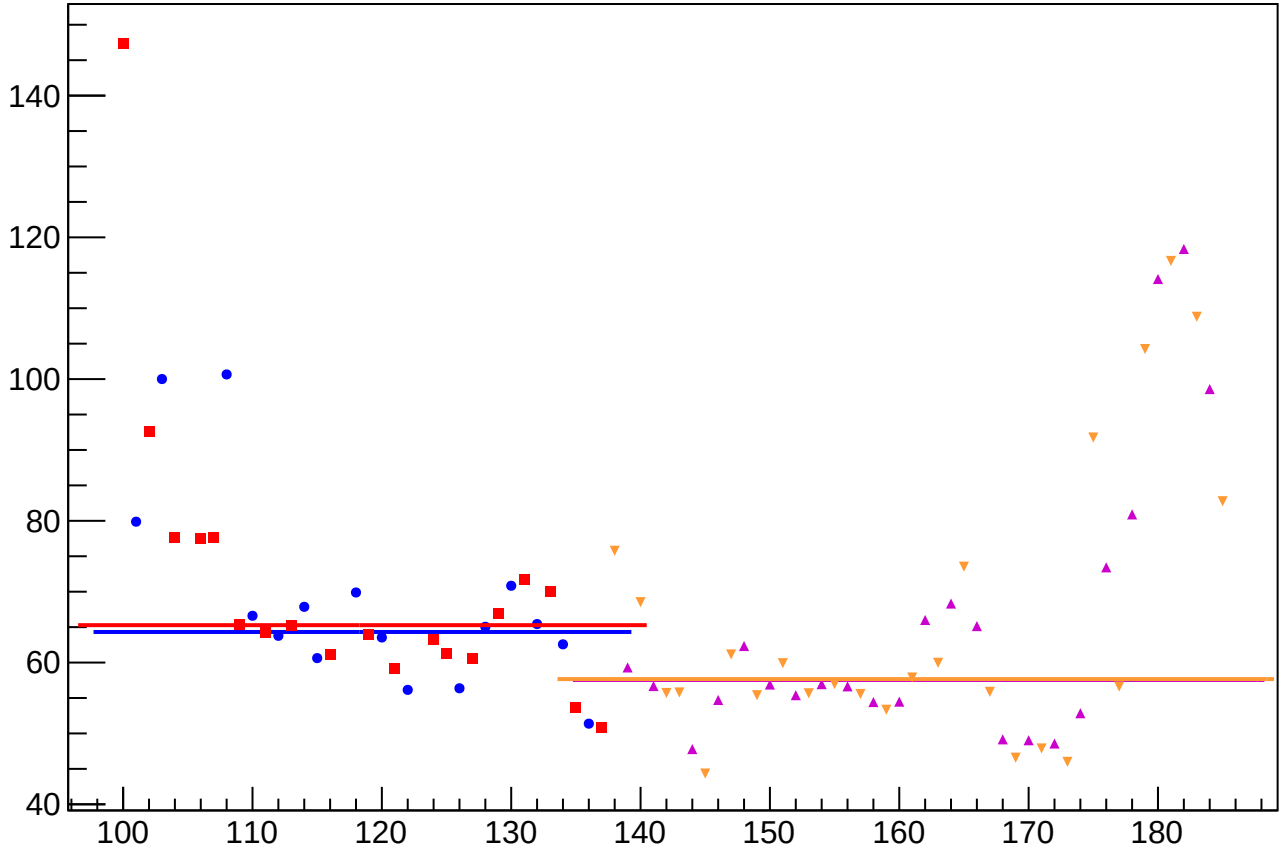
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.439+/-11.914 χ^2/NDF: 45.4/40

All: 8.078+/-8.496 χ^2/NDF: 106.1/82

- 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: 57.668+/-0.010 χ^2/NDF:1909739.8/24

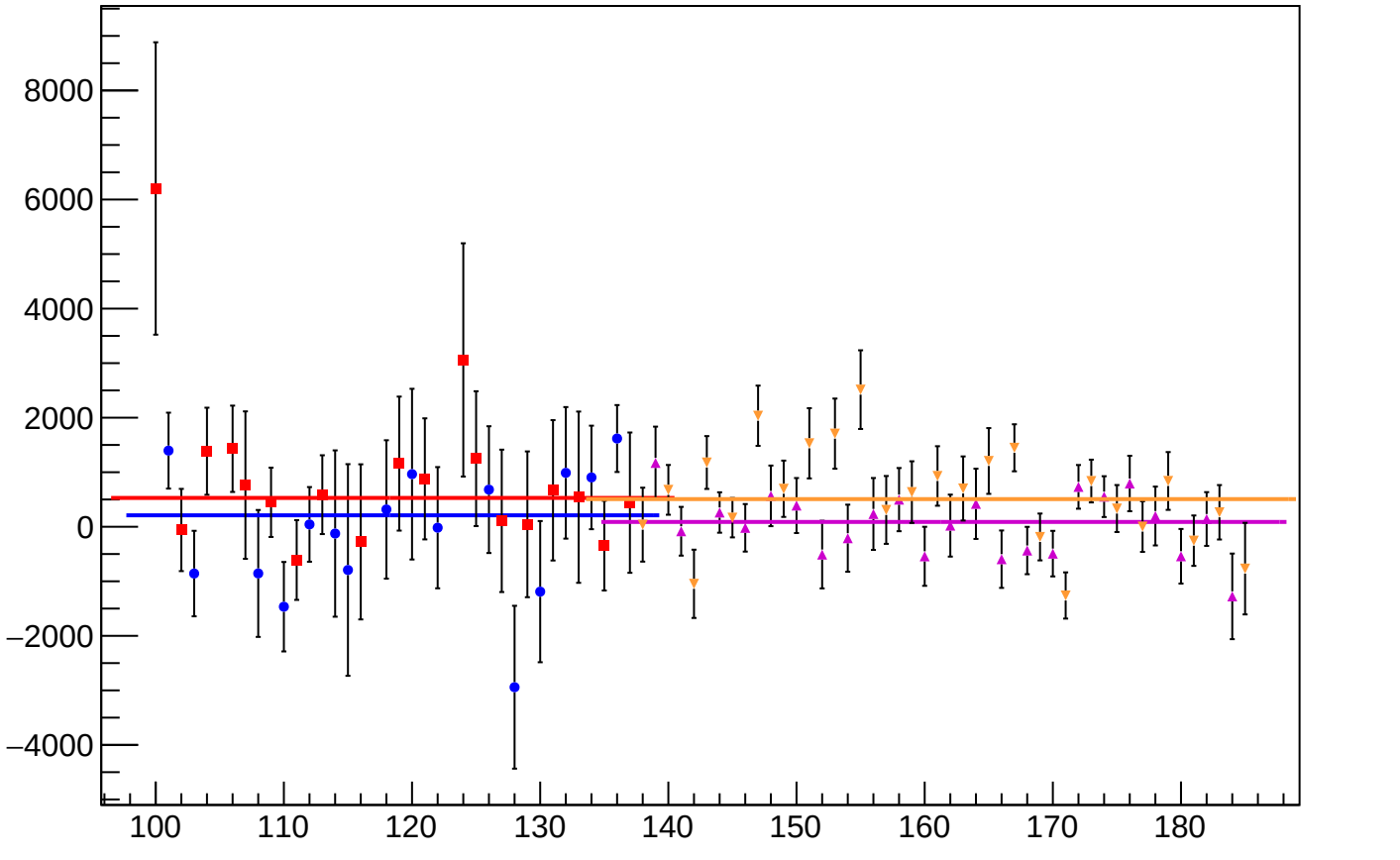
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 59.242+/-0.008 χ^2/NDF: 2487192.4/40

All: 59.349+/-0.006 χ^2/NDF: 4402069.5/82

- 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: 507.170+/-101.776 χ^2/NDF:65.8/24

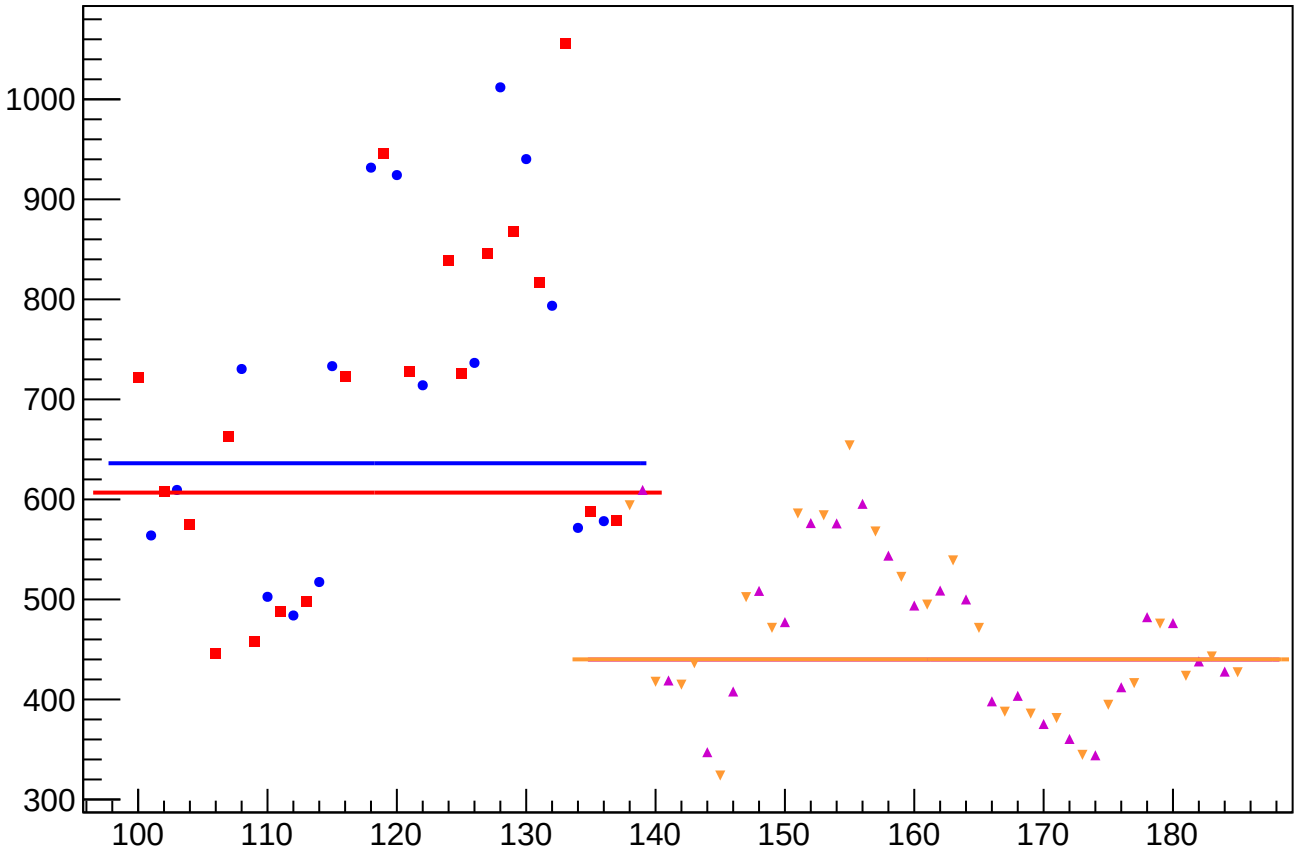
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

\+ sign 463.069+/-93.921 χ^2/NDF: 89.5/40

All: 315.486+/-66.842 χ^2/NDF: 134.7/82

\- 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: 440.074+/-0.072 χ^2/NDF:1196993.4/24

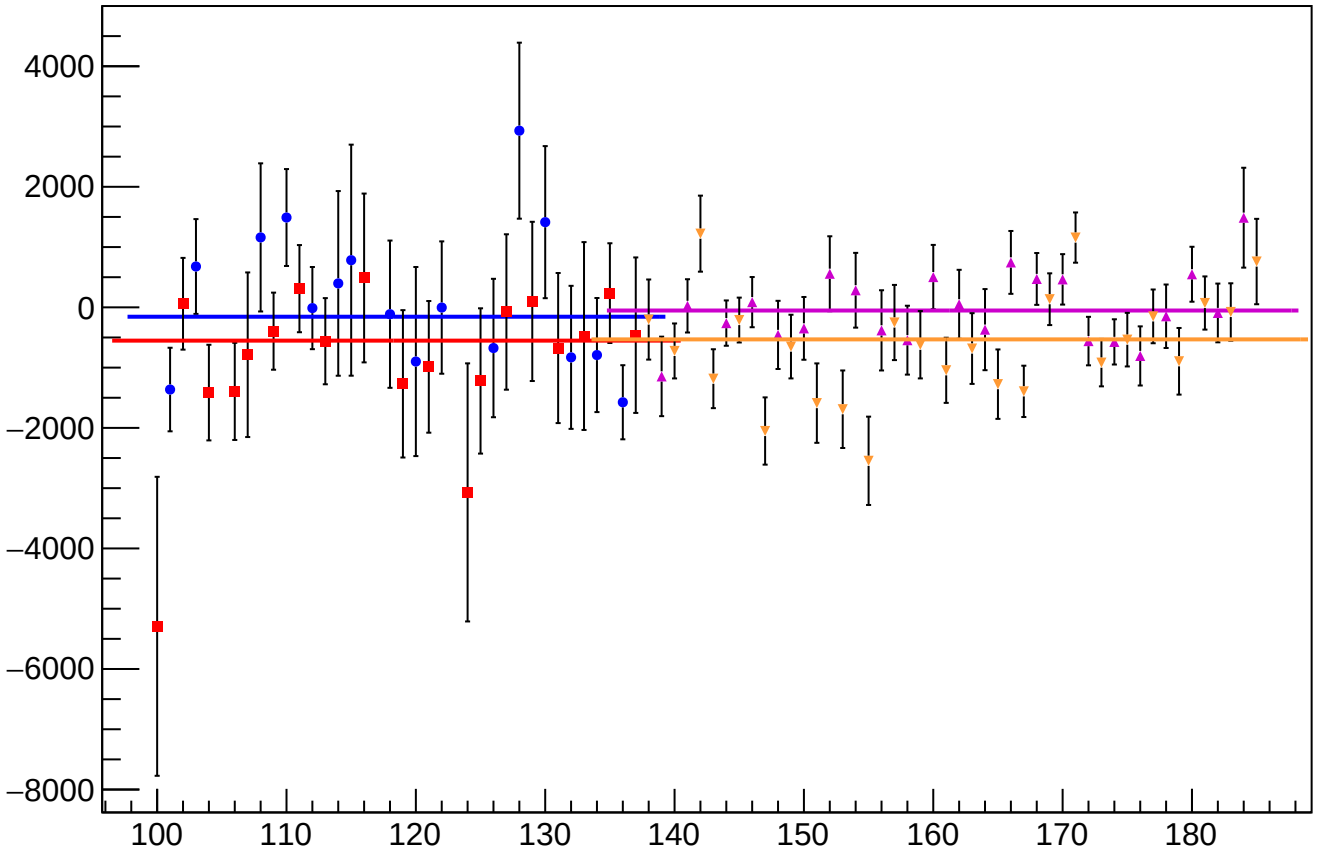
Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 469.173+/-0.066 χ^2/NDF: 3003828.5/40

All: 468.852+/-0.047 χ^2/NDF: 5834795.8/82

- sign 468.524+/-0.067 χ^2/NDF: 2830920.1/41



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

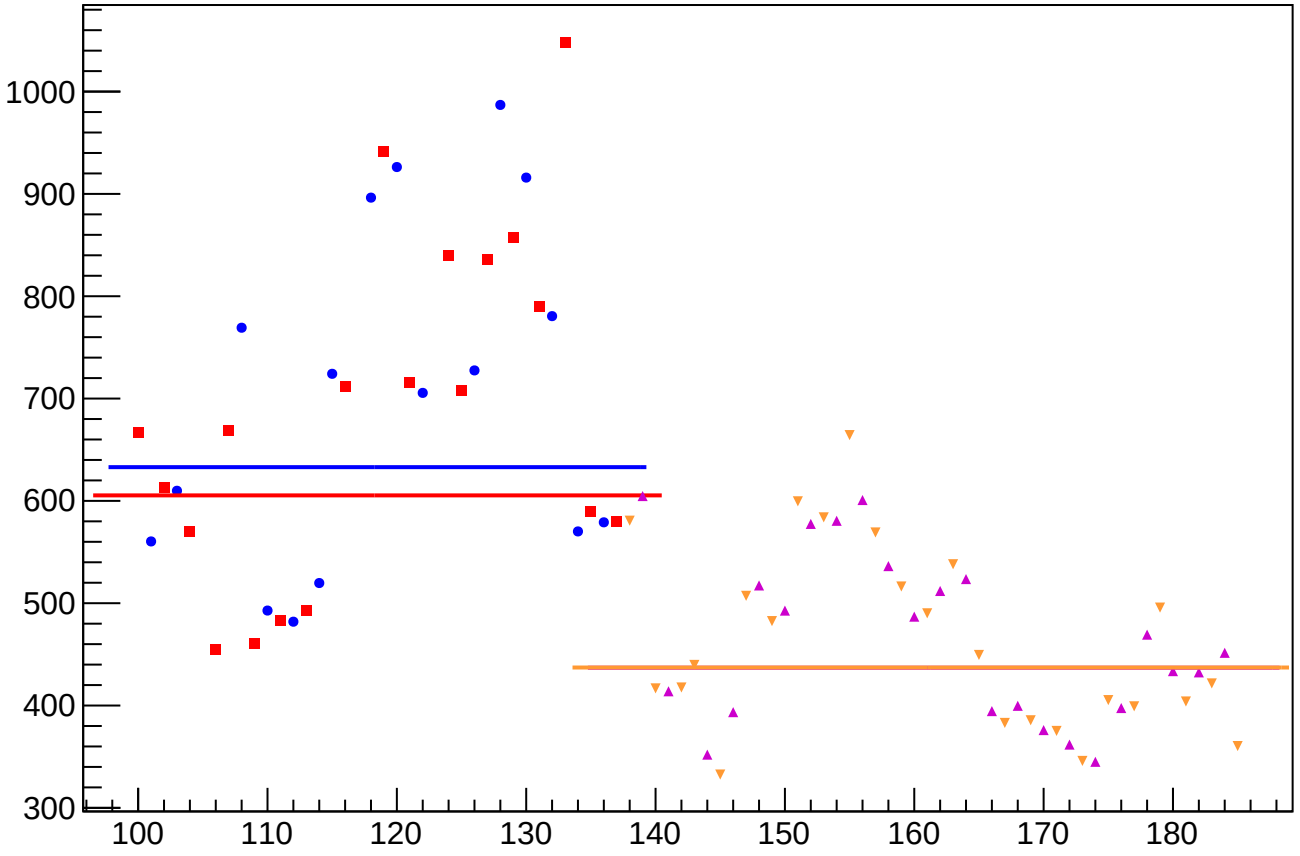
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

\+ sign -475.806+/-93.435 χ^2/NDF: 90.1/40

All: -308.909+/-66.472 χ^2/NDF: 136.7/82

\- 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: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

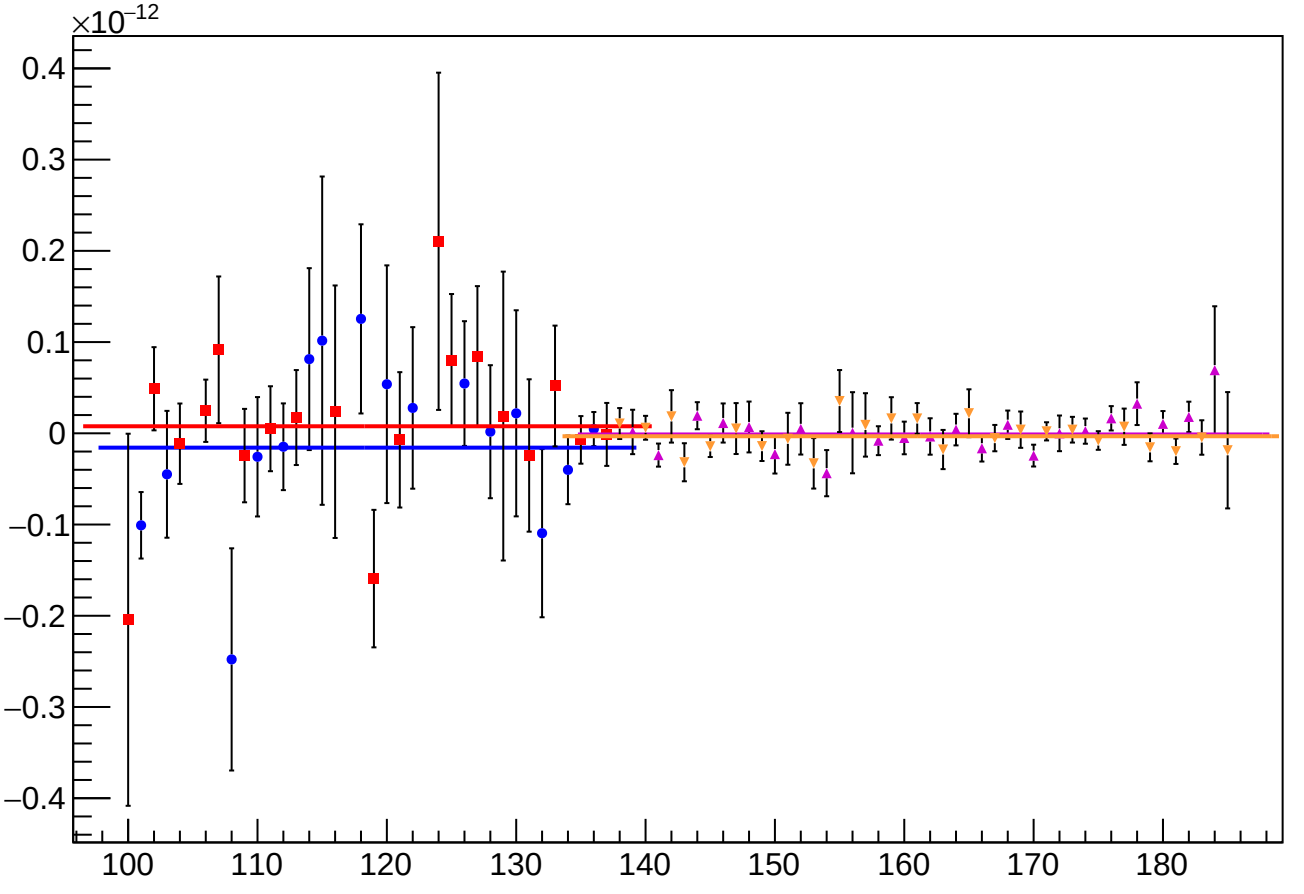
Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 466.203+/-0.066 χ^2/NDF: 3018280.3/40

All: 465.955+/-0.047 χ^2/NDF: 5850435.7/82

- sign 465.701+/-0.067 χ^2/NDF: 2832126.9/41

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

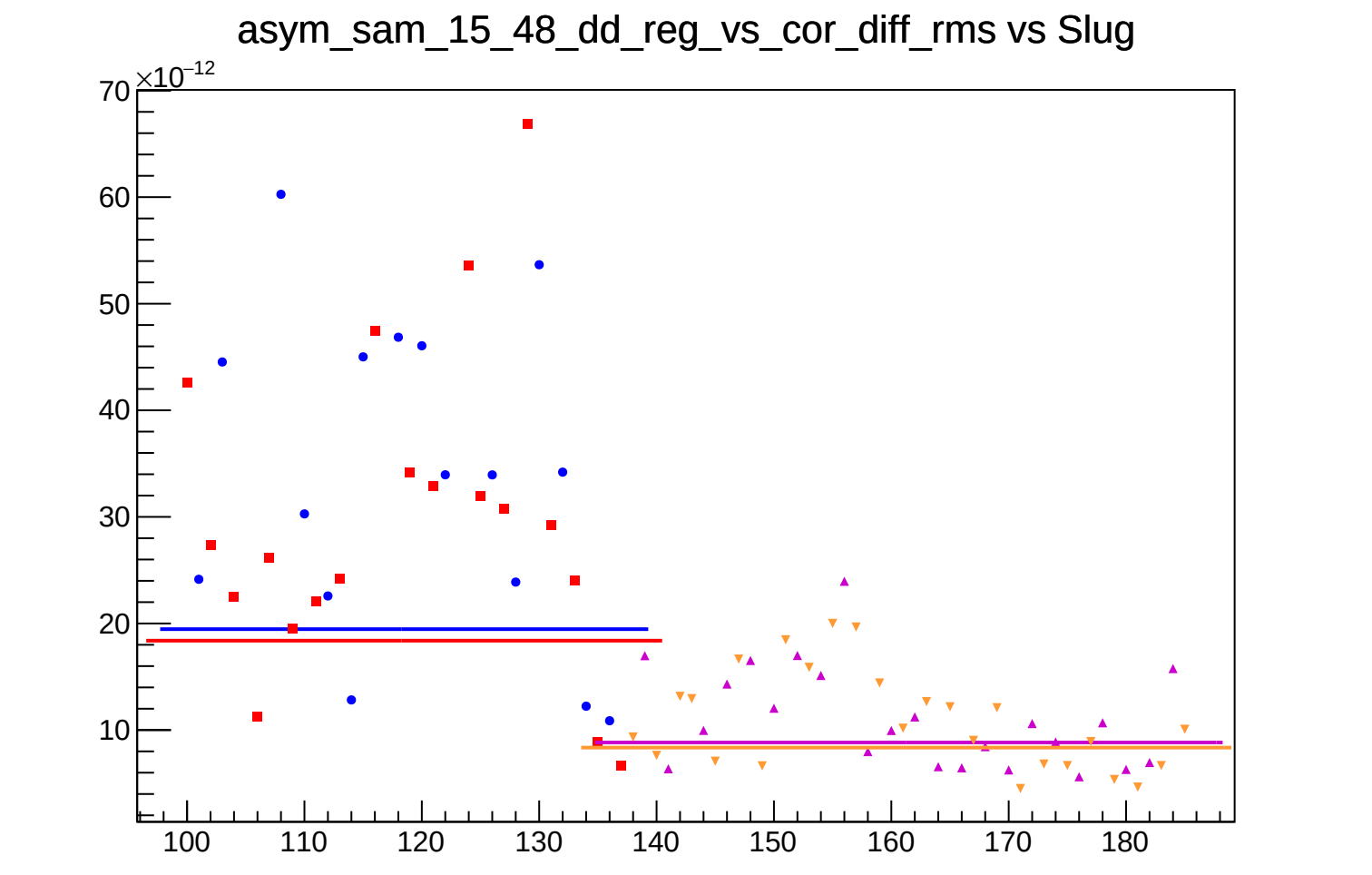
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

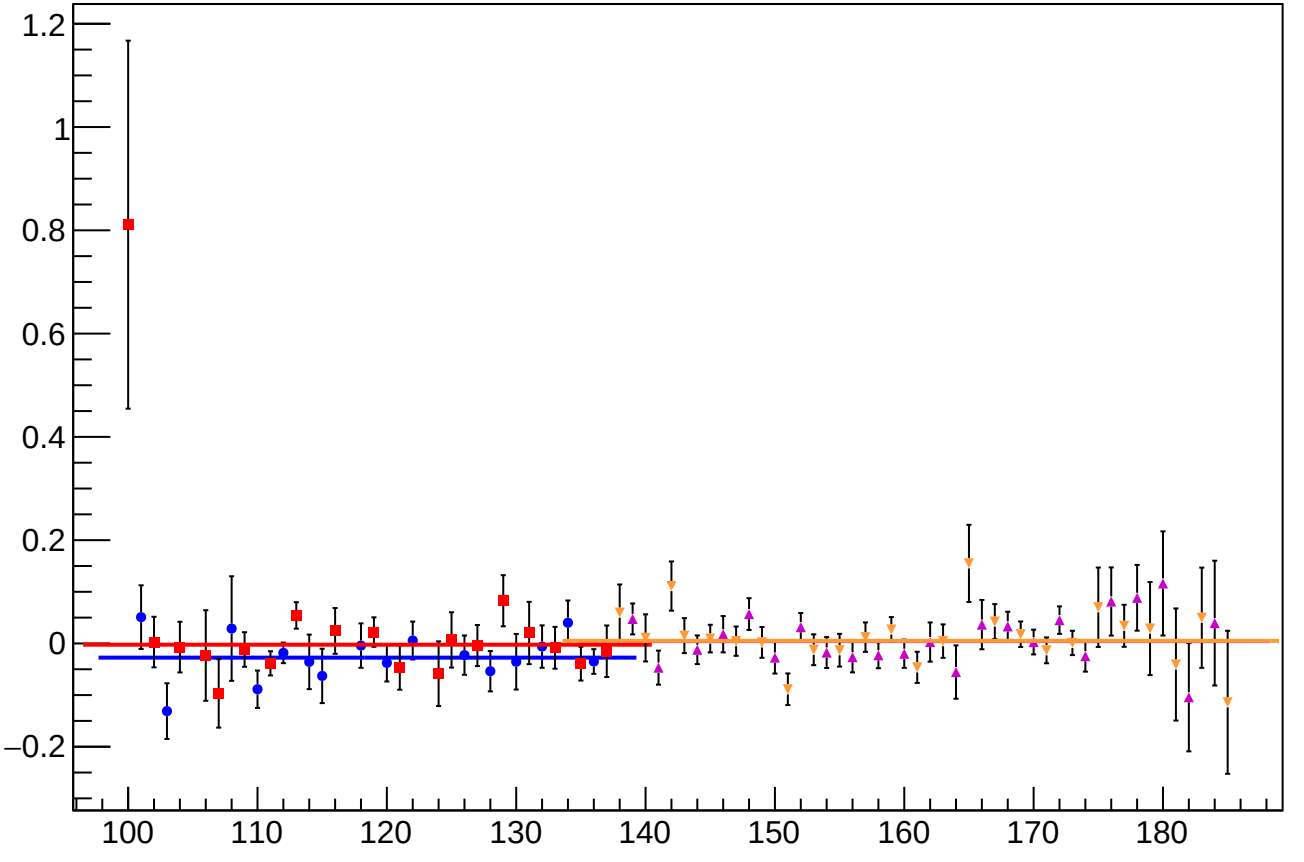
+ sign -0.000+/-0.000 χ^2/NDF: 32.2/40

All: -0.000+/-0.000 χ^2/NDF: 68.2/82

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


asym_sam_15_48_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: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2207304.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:1644276.1/22
+ sign 0.000+/-0.000 χ²/NDF: 5389770.8/40
All: 0.000+/-0.000 χ²/NDF: 9632953.7/82
- sign 0.000+/-0.000 χ²/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:28.4/24

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

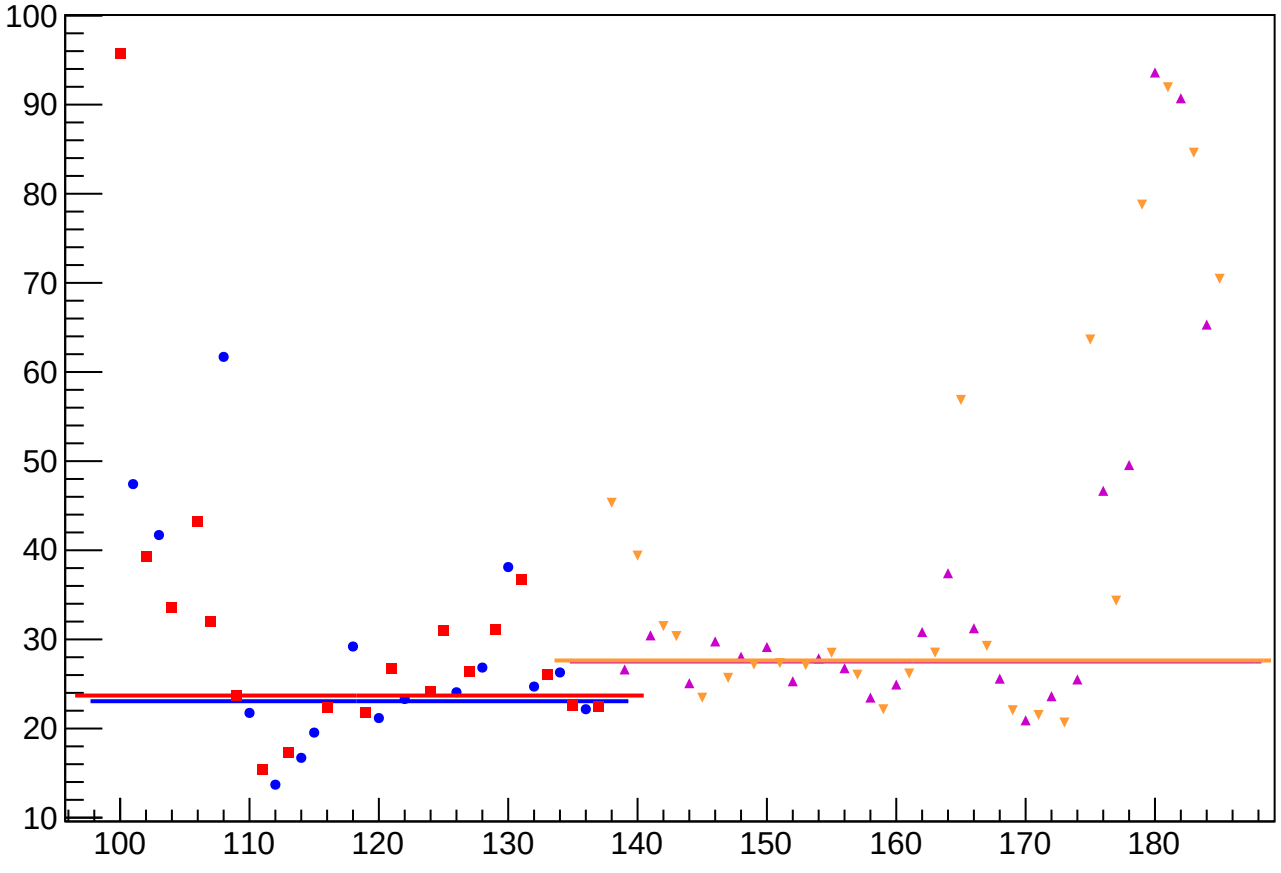
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 49.9/40

All: -0.002+/-0.004 χ^2/NDF: 98.6/82

- sign 0.002+/-0.006 χ^2/NDF: 47.6/41

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

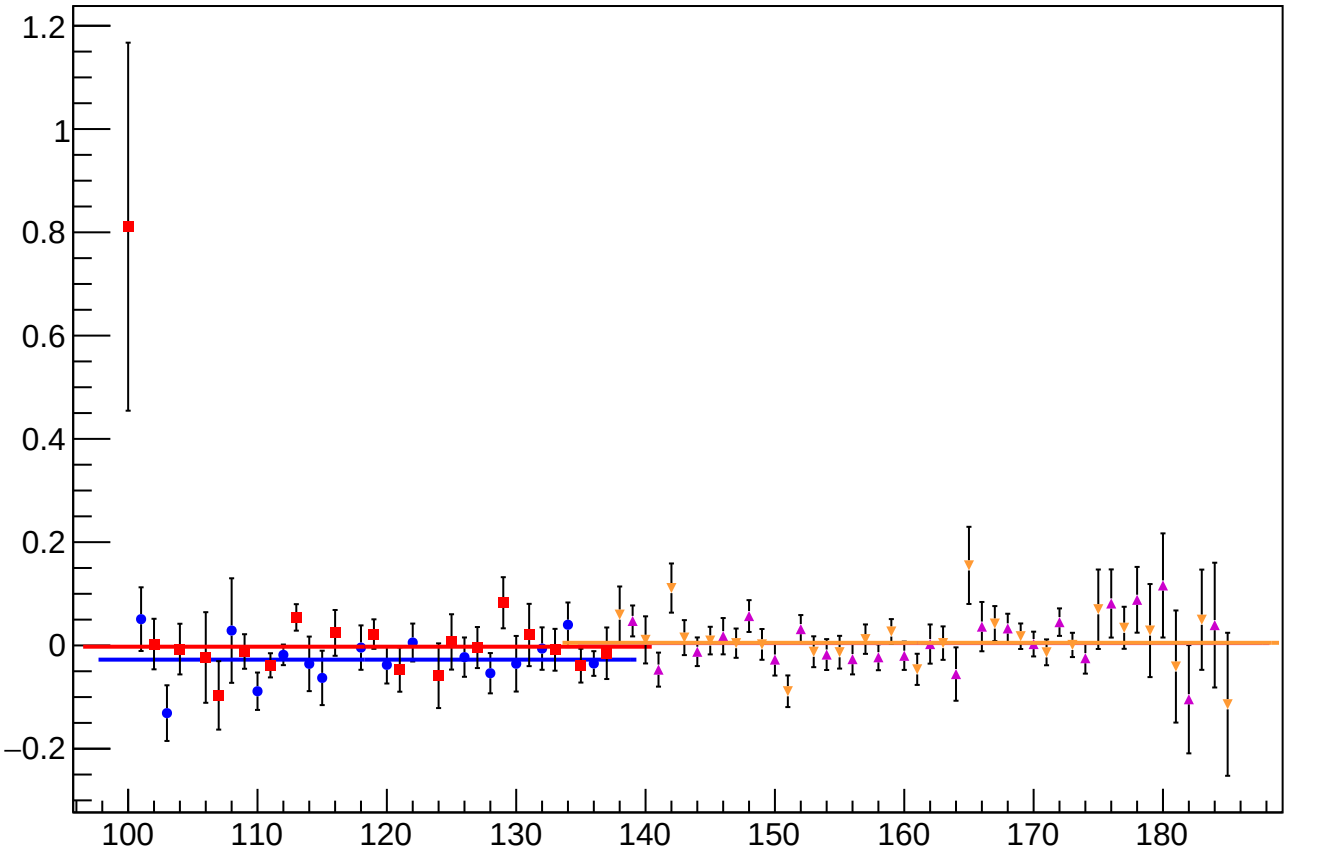
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.049+/-0.004 χ^2/NDF: 5847511.3/40

All: 26.097+/-0.003 χ^2/NDF: 9787103.8/82

- 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:28.4/24

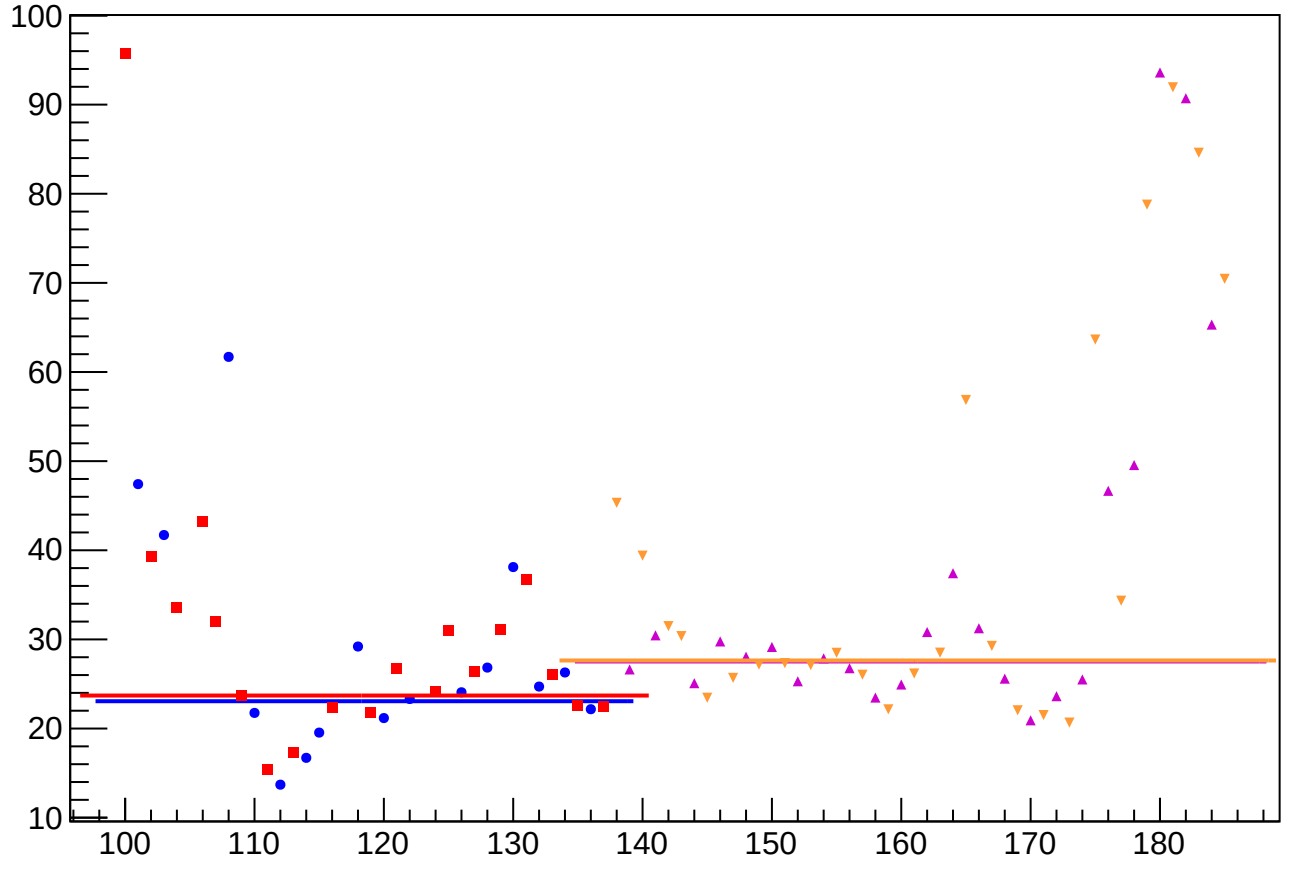
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 49.9/40

All: -0.002+/-0.004 χ^2/NDF: 98.6/82

- 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: 27.635+/-0.005 χ^2/NDF:3974084.8/24

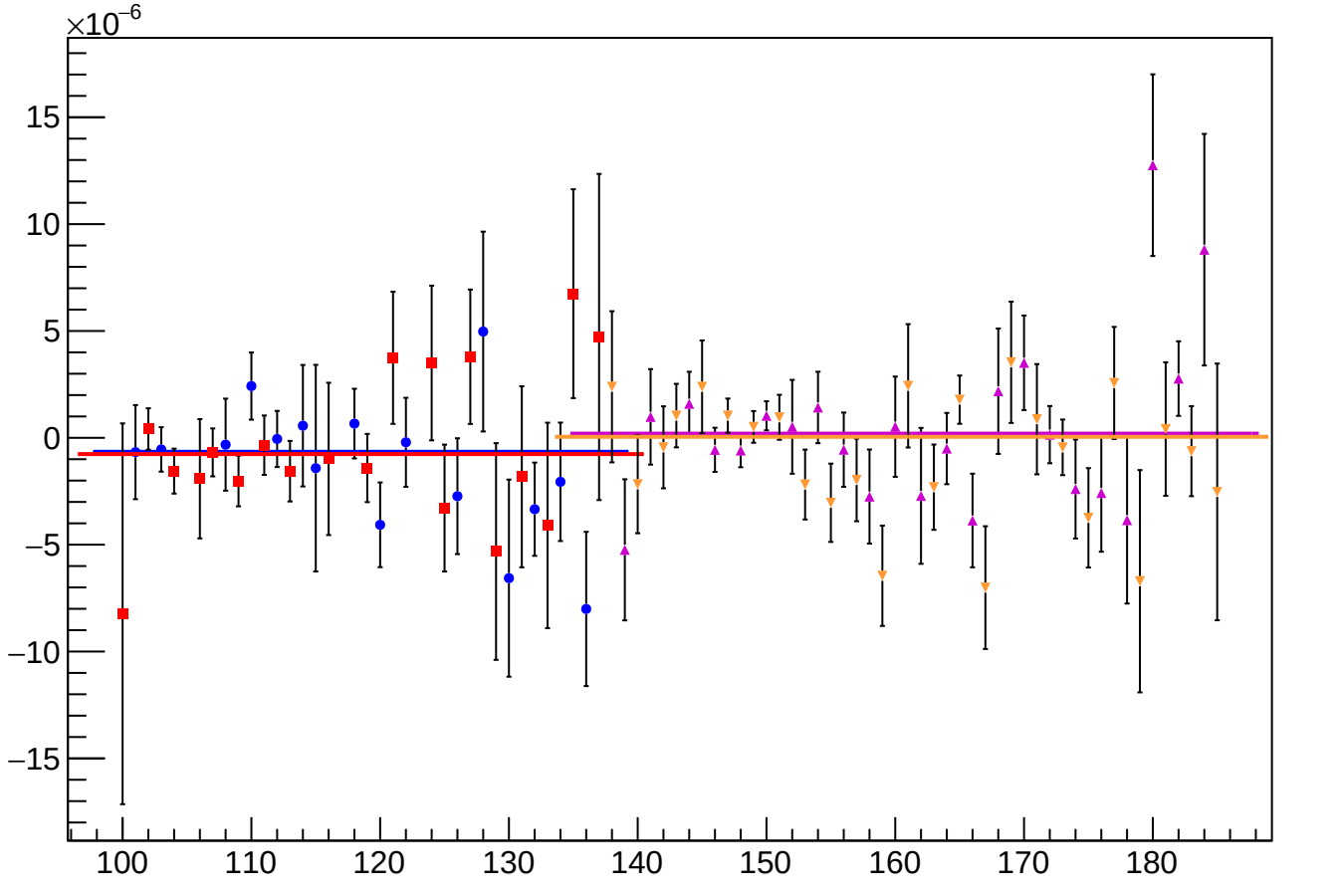
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.049+/-0.004 χ^2/NDF: 5847511.3/40

All: 26.097+/-0.003 χ^2/NDF: 9787103.8/82

- 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:37.0/24

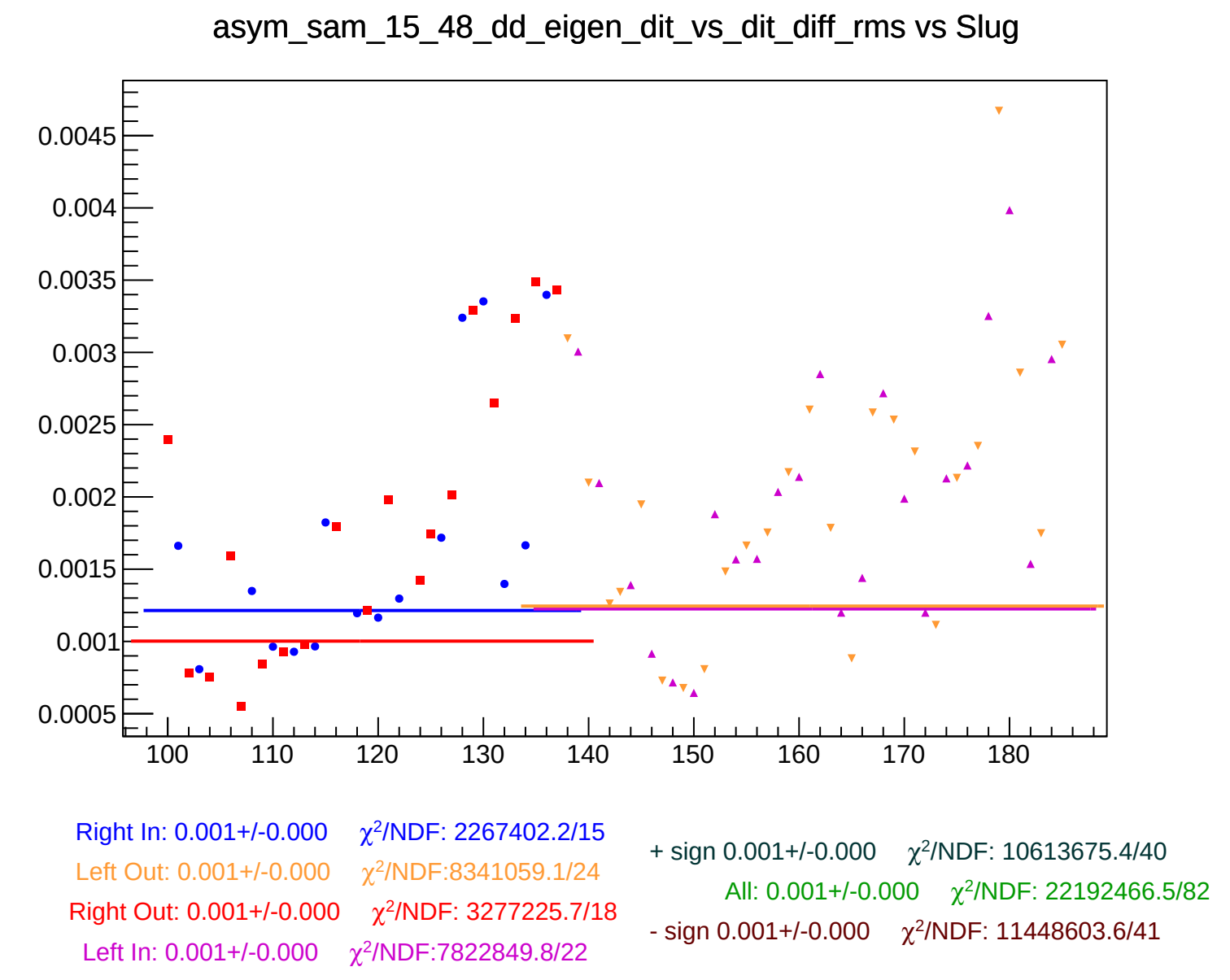
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

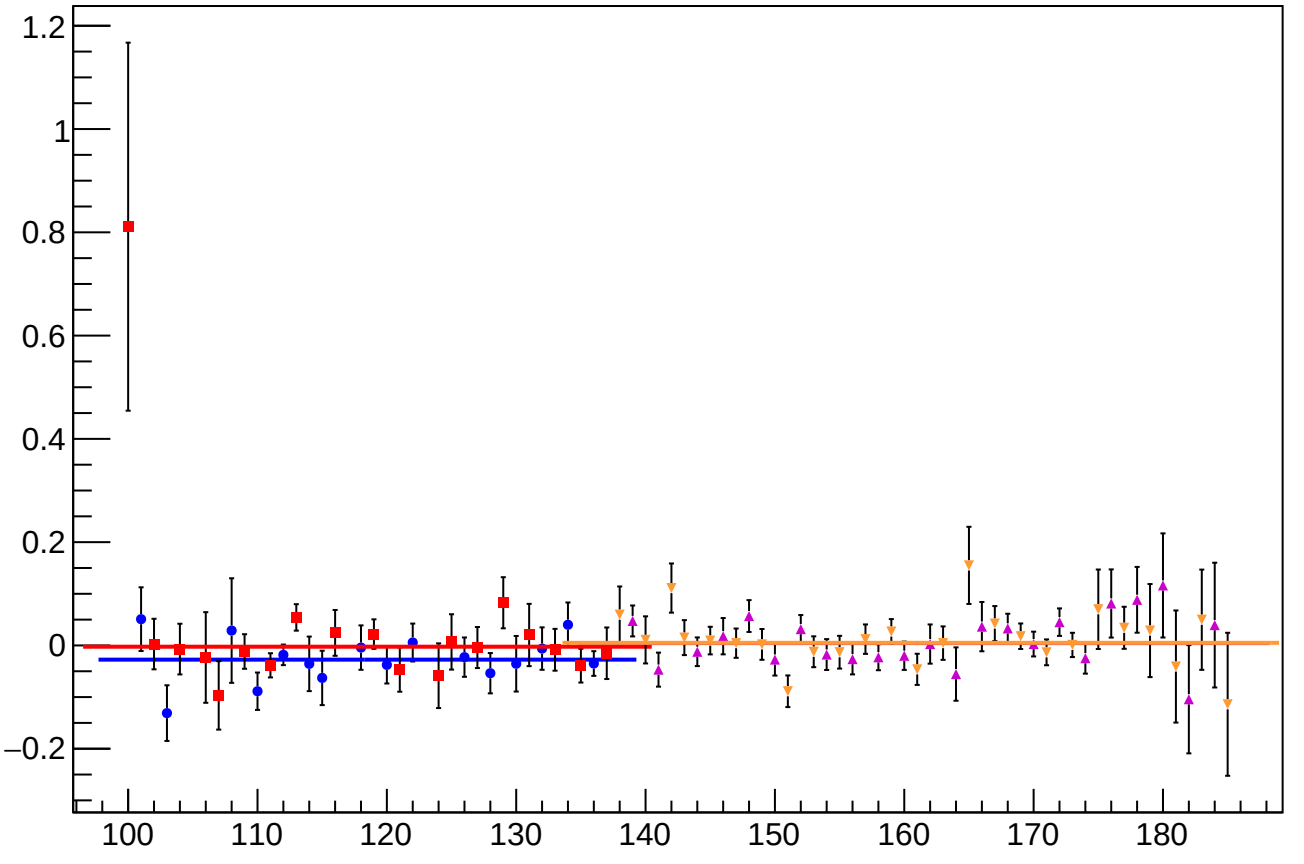
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

\+ sign -0.000+/-0.000 χ^2/NDF: 56.0/40

All: -0.000+/-0.000 χ^2/NDF: 107.6/82

\- 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:8341059.1/24
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: 10613675.4/40
All: 0.001+/-0.000 χ²/NDF: 22192466.5/82
- sign 0.001+/-0.000 χ²/NDF: 11448603.6/41



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

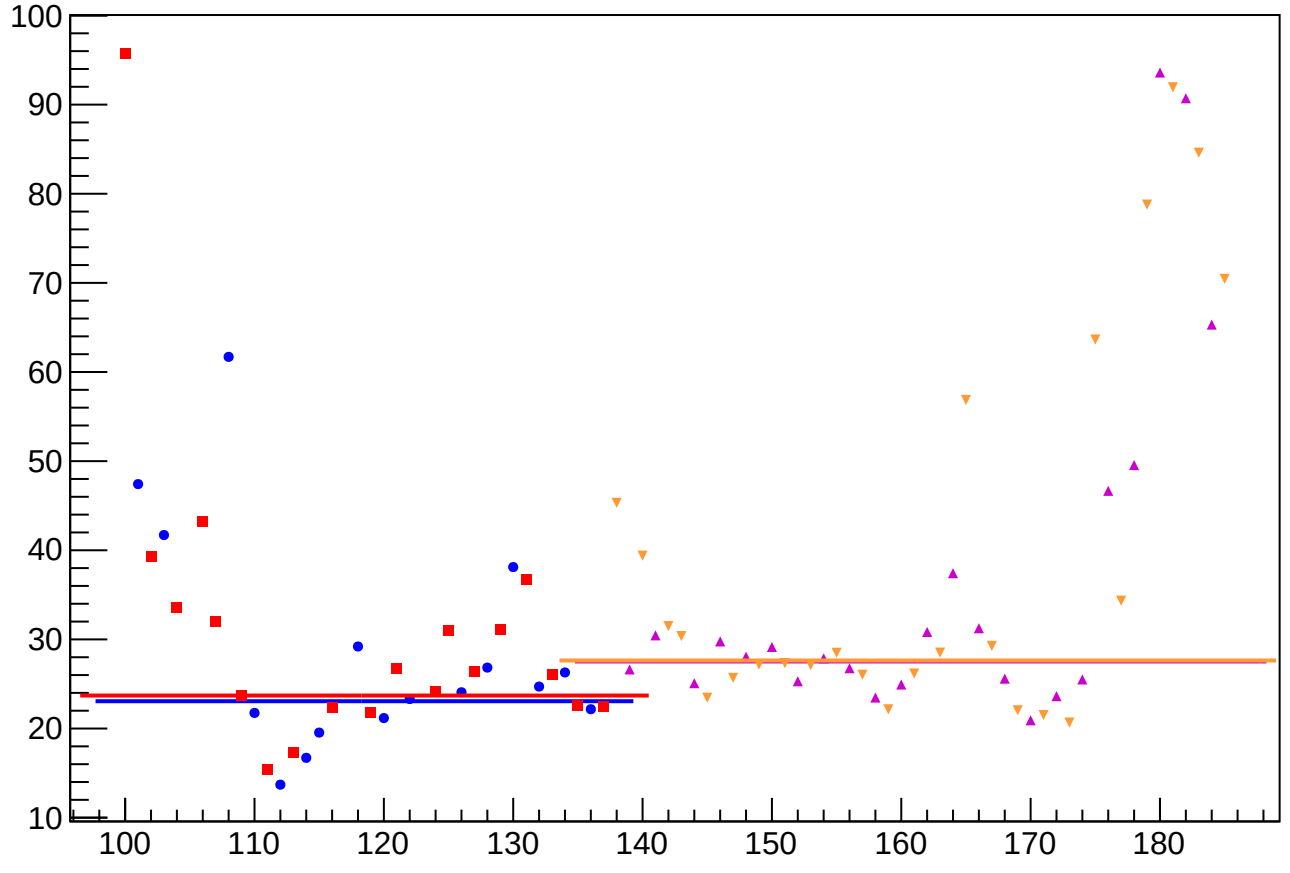
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 49.9/40

All: -0.002+/-0.004 χ^2/NDF: 98.6/82

- 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: 27.635+/-0.005 χ^2/NDF:3974025.3/24

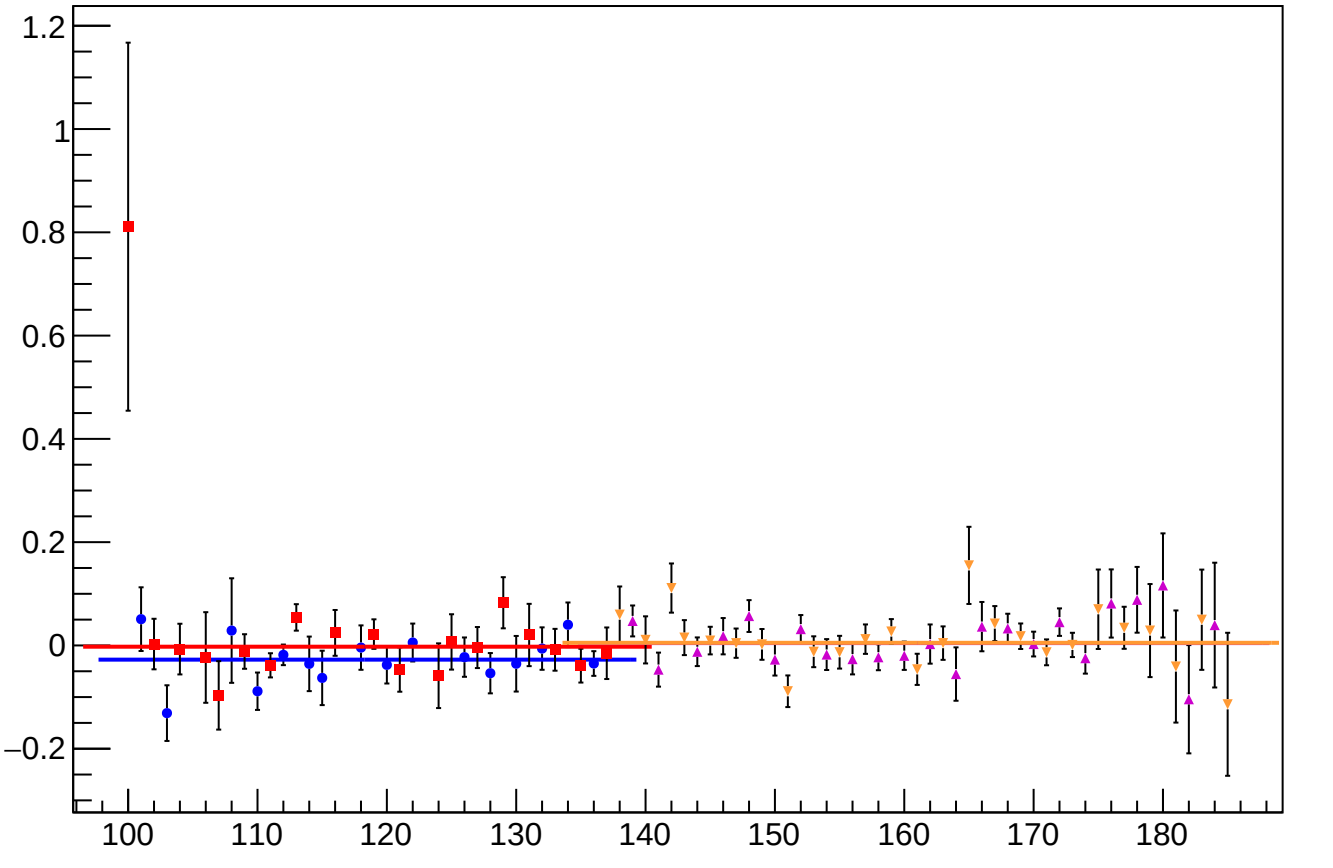
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.049+/-0.004 χ^2/NDF: 5847538.4/40

All: 26.097+/-0.003 χ^2/NDF: 9787186.1/82

- 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:28.4/24

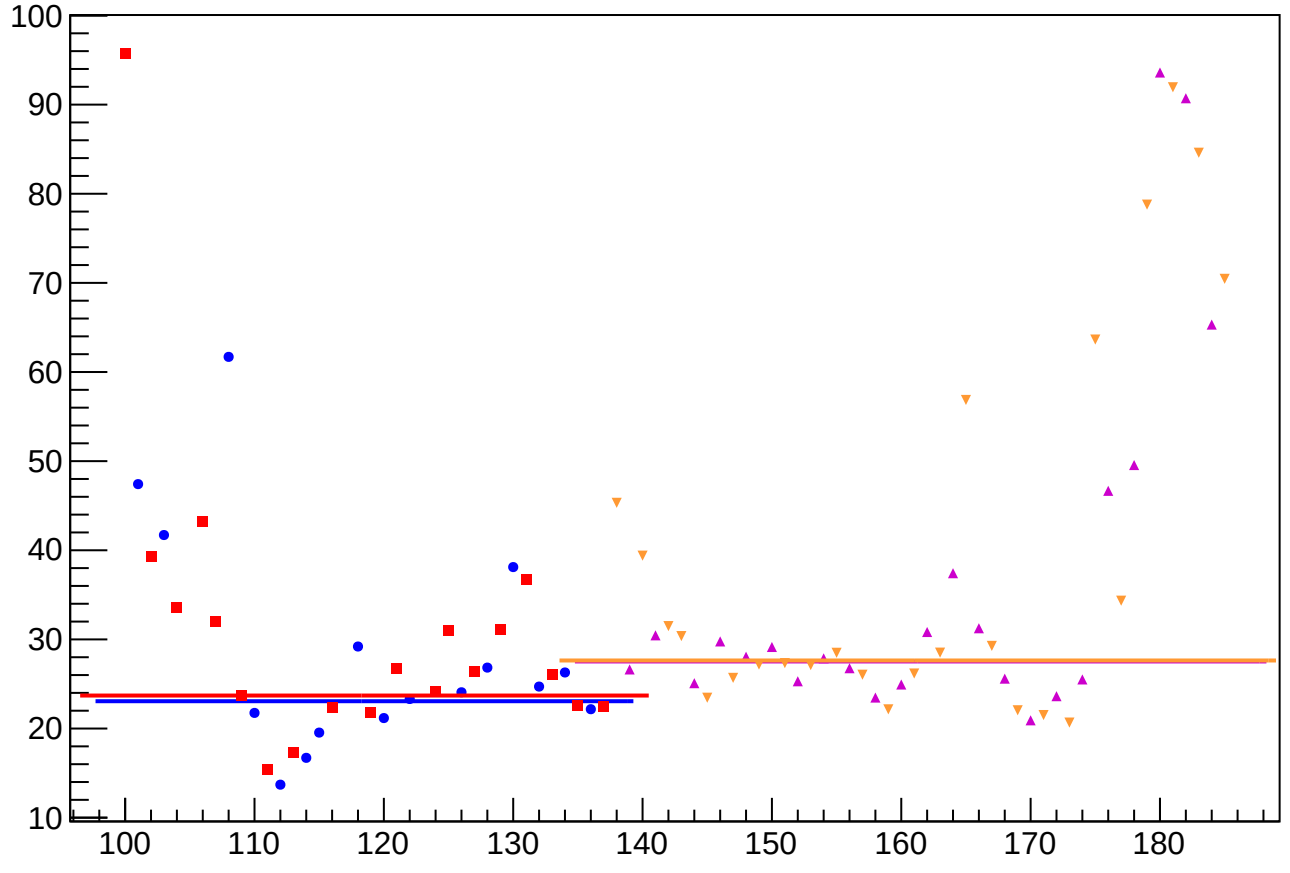
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 49.9/40

All: -0.002+/-0.004 χ^2/NDF: 98.6/82

- 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: 27.635+/-0.005 χ^2/NDF:3974025.3/24

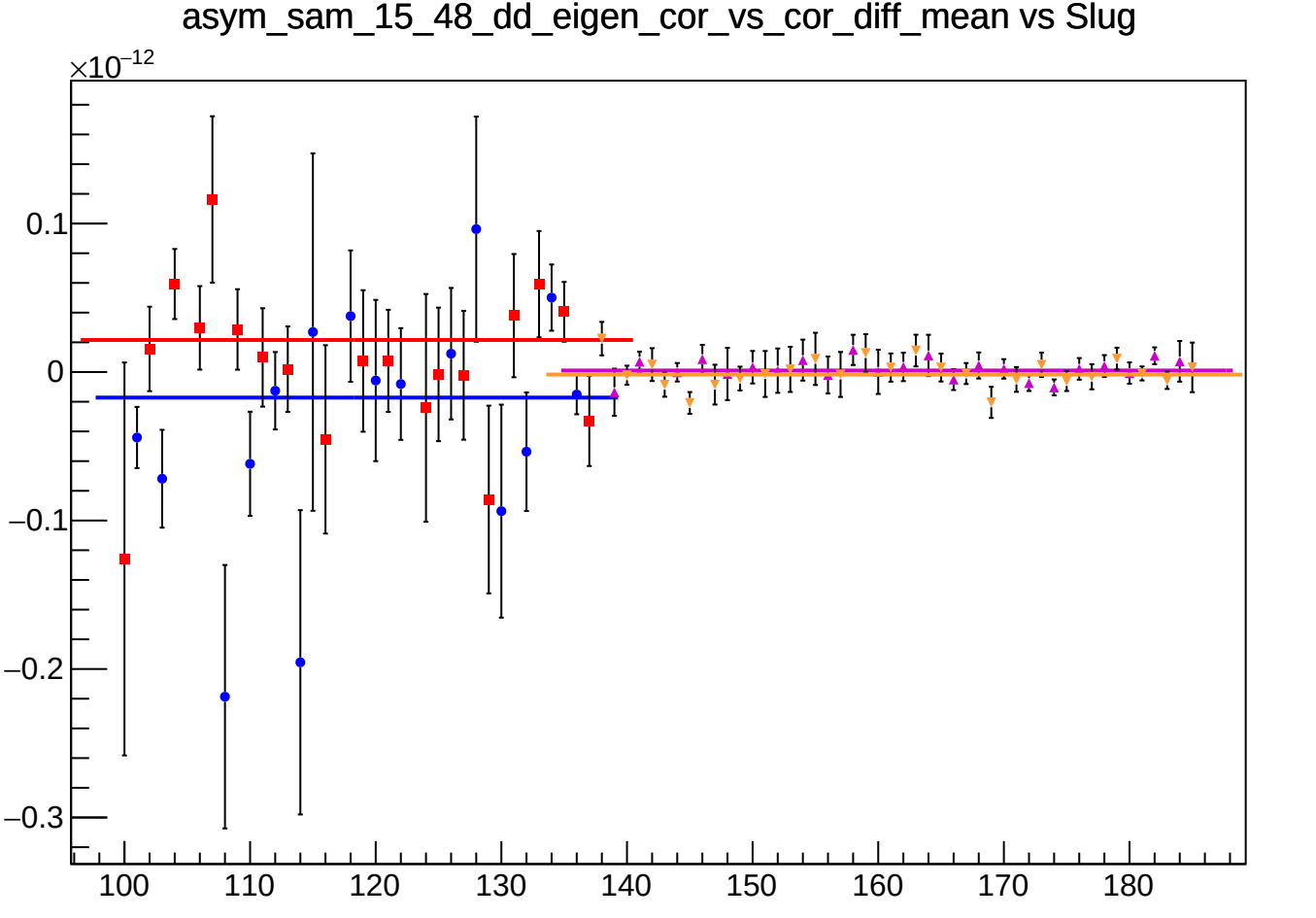
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.049+/-0.004 χ^2/NDF: 5847538.4/40

All: 26.097+/-0.003 χ^2/NDF: 9787186.1/82

- 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:24.4/24

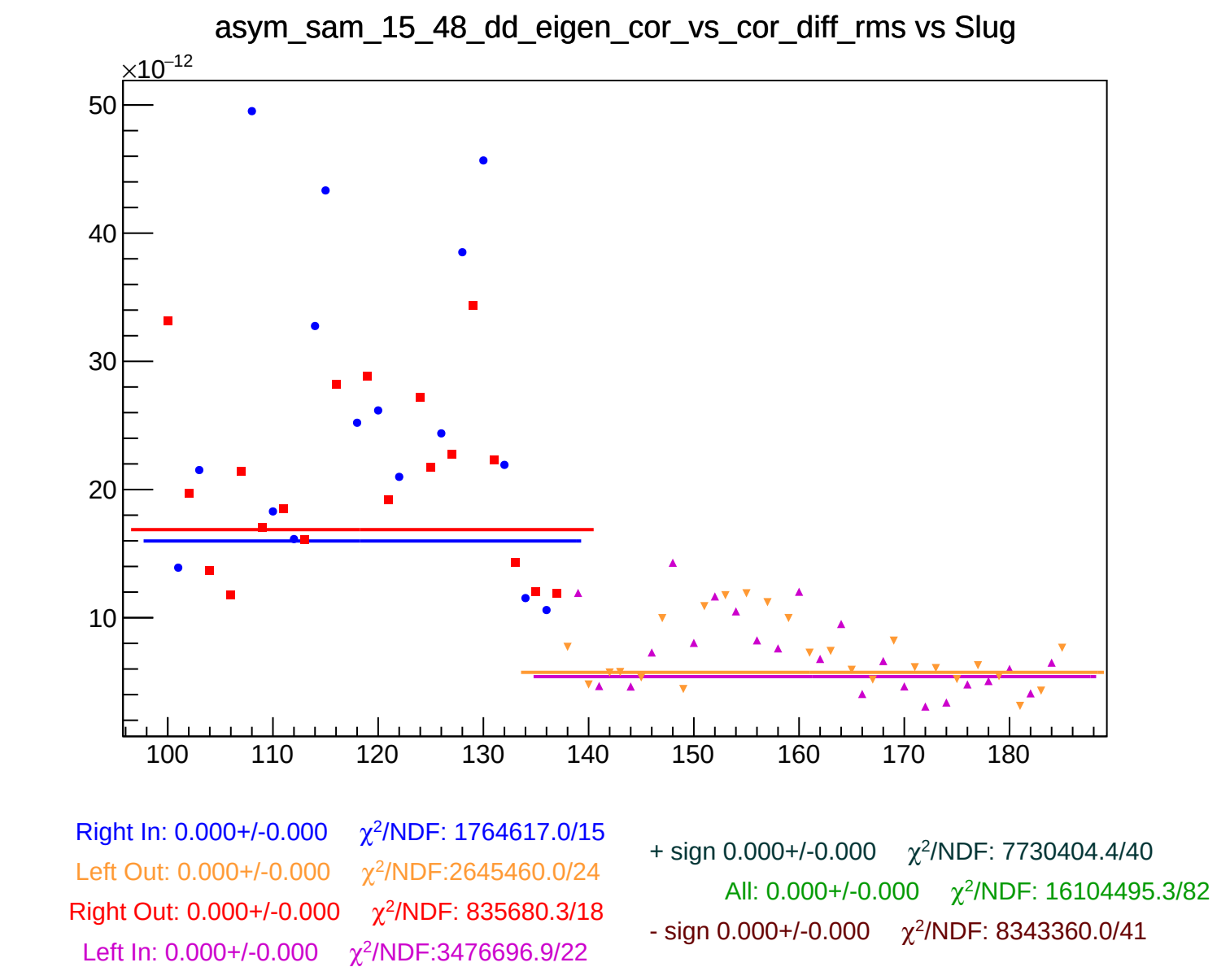
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

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

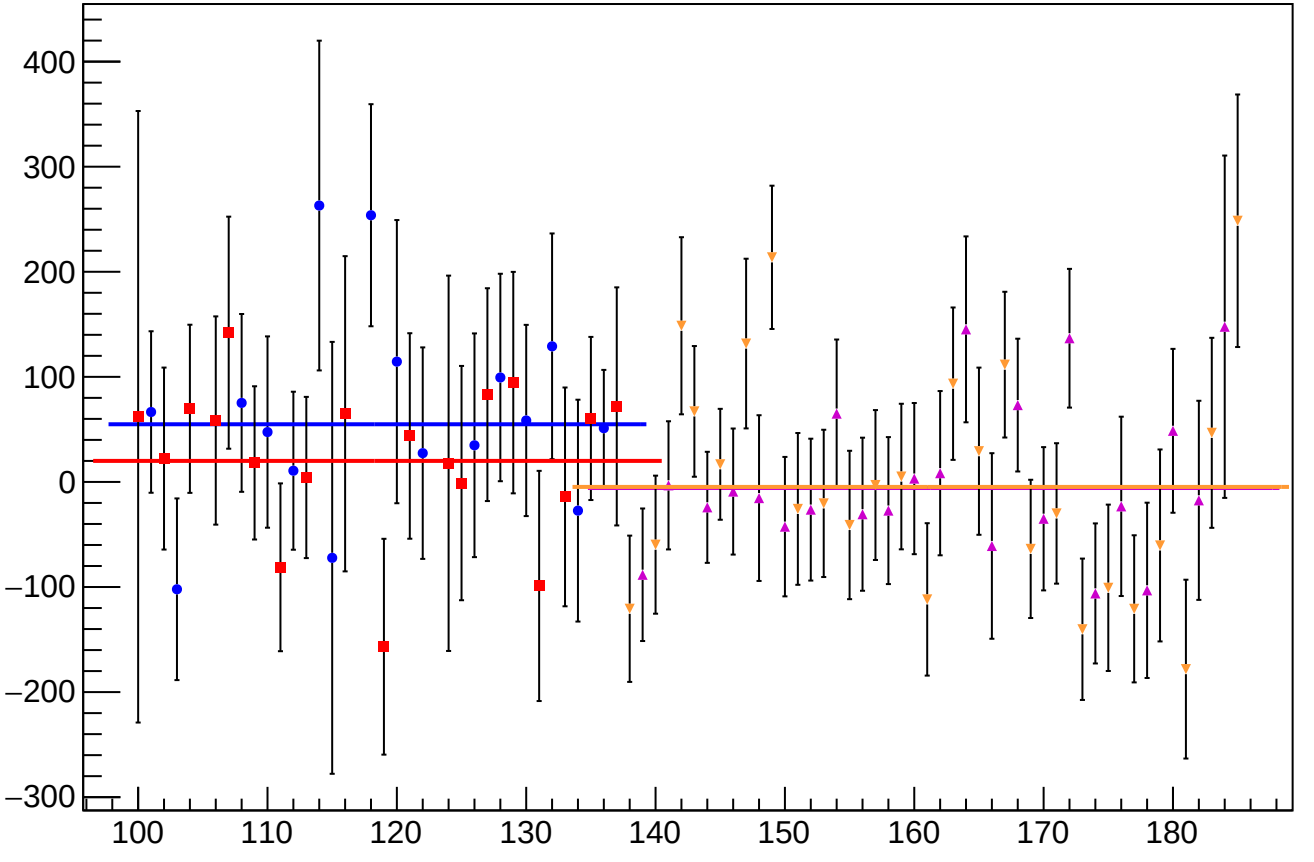
+ sign -0.000+/-0.000 χ^2/NDF: 58.1/40

All: -0.000+/-0.000 χ^2/NDF: 102.5/82

- 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:2645460.0/24
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: 7730404.4/40
All: 0.000+/-0.000 χ²/NDF: 16104495.3/82
- 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: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

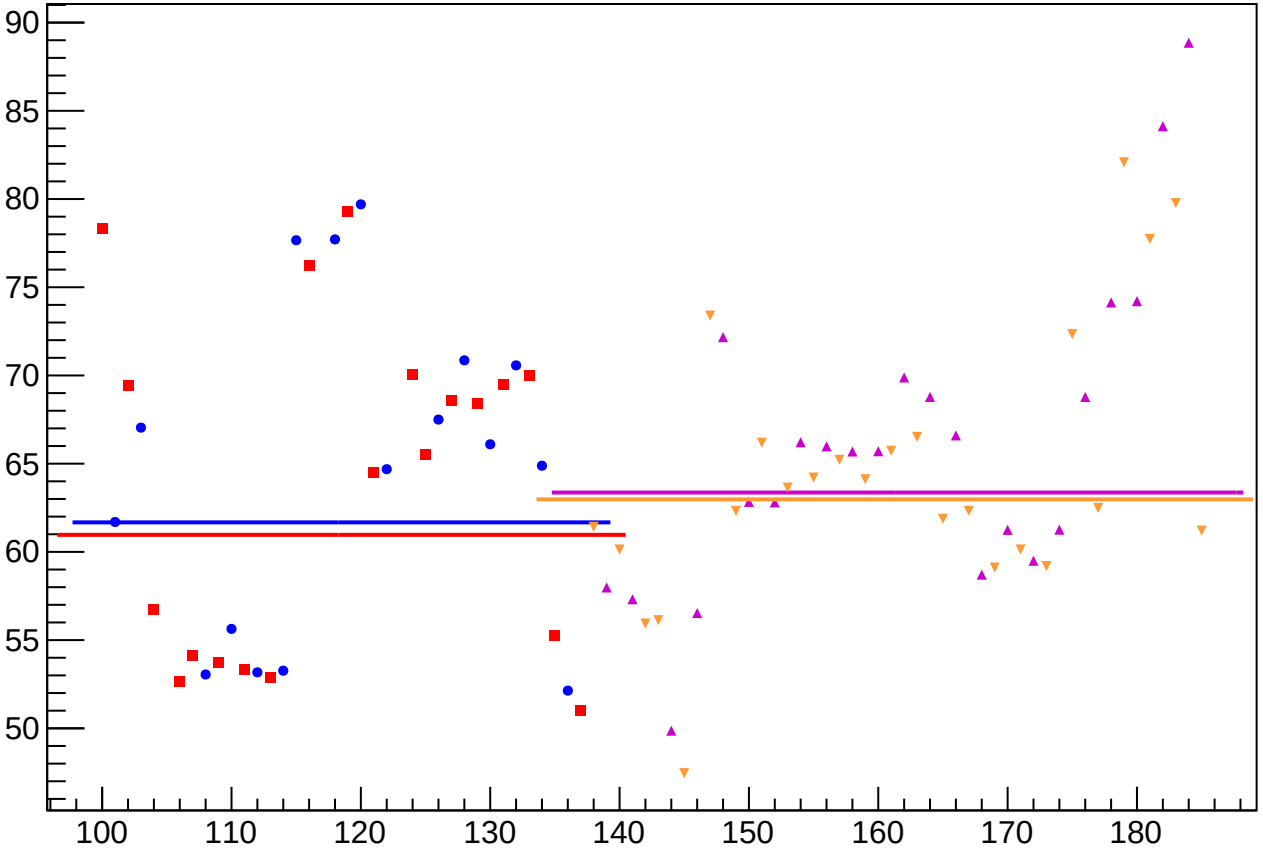
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 11.915+/-12.251 χ^2/NDF: 63.1/40

All: 7.076+/-8.733 χ^2/NDF: 91.9/82

- 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: 62.976+/-0.010 χ^2/NDF:526859.8/24

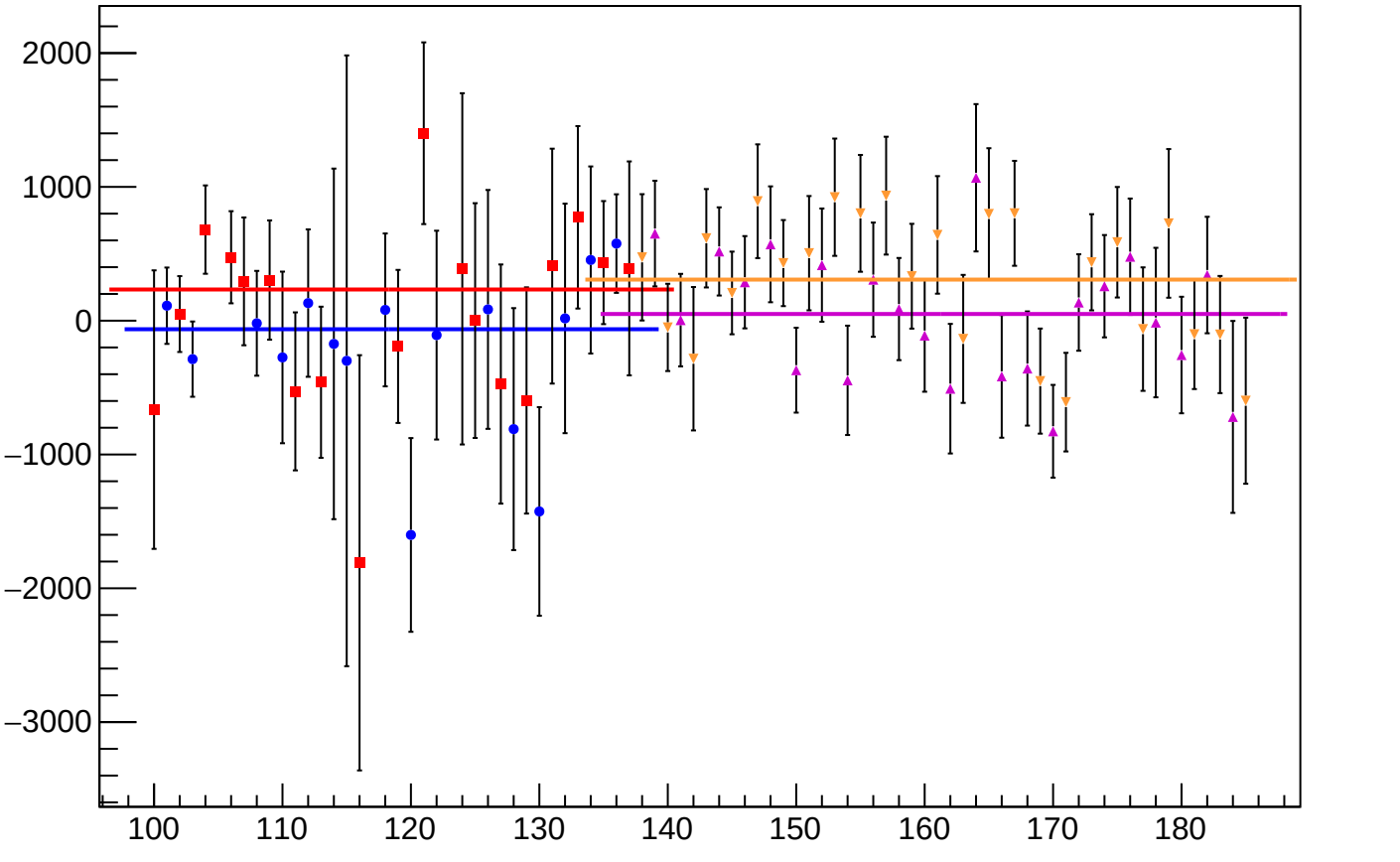
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

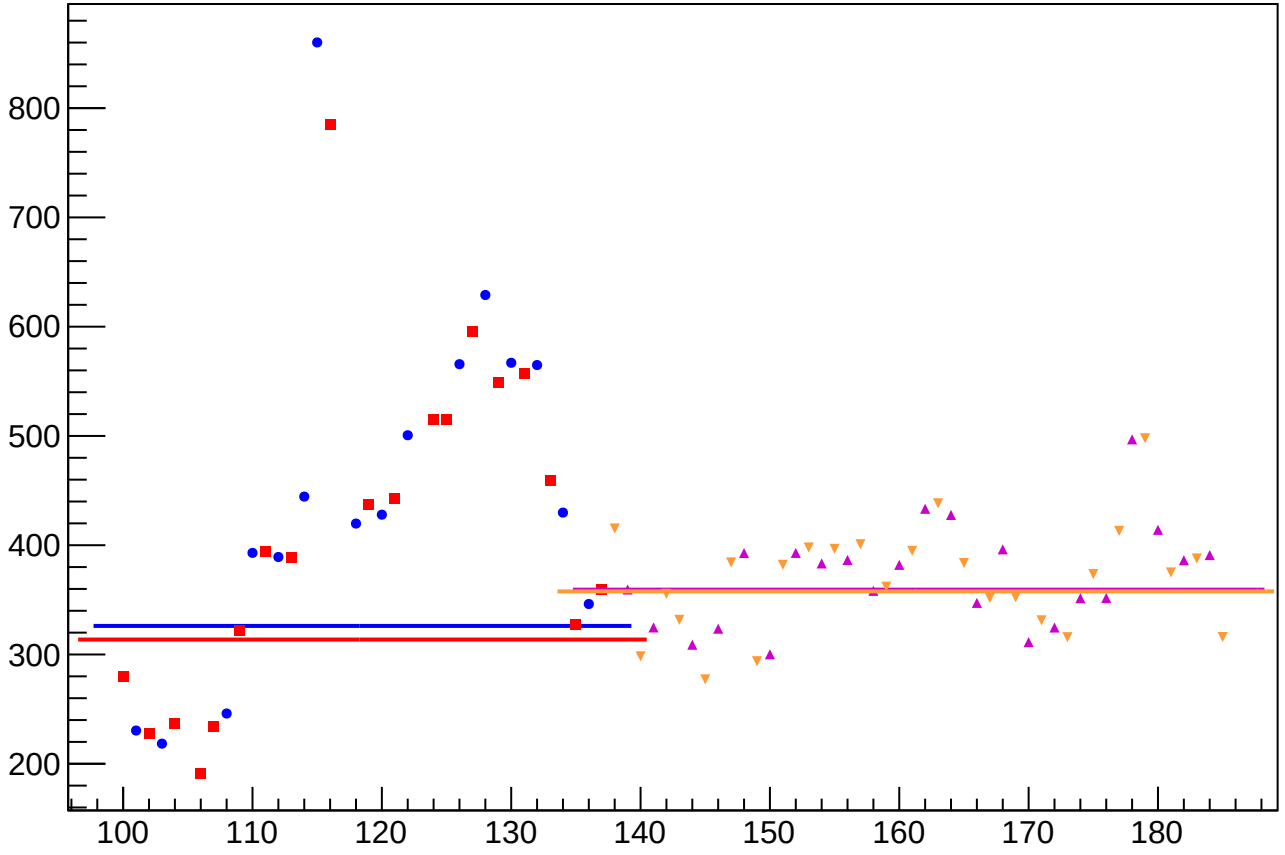
+ sign 62.612+/-0.009 χ^2/NDF: 798524.3/40

All: 62.623+/-0.006 χ^2/NDF: 1595351.8/82

- sign 62.635+/-0.009 χ^2/NDF: 796824.0/41


asym_sam_37_48_dd_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 307.183+/-82.361 χ²/NDF:30.6/24
Right Out: 233.206+/-122.791 χ²/NDF: 14.5/18
Left In: 50.030+/-84.838 χ²/NDF:27.3/22
+ sign 200.536+/-69.524 χ²/NDF: 49.7/40
All: 155.057+/-49.258 χ²/NDF: 93.8/82
- sign 109.218+/-69.799 χ²/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: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

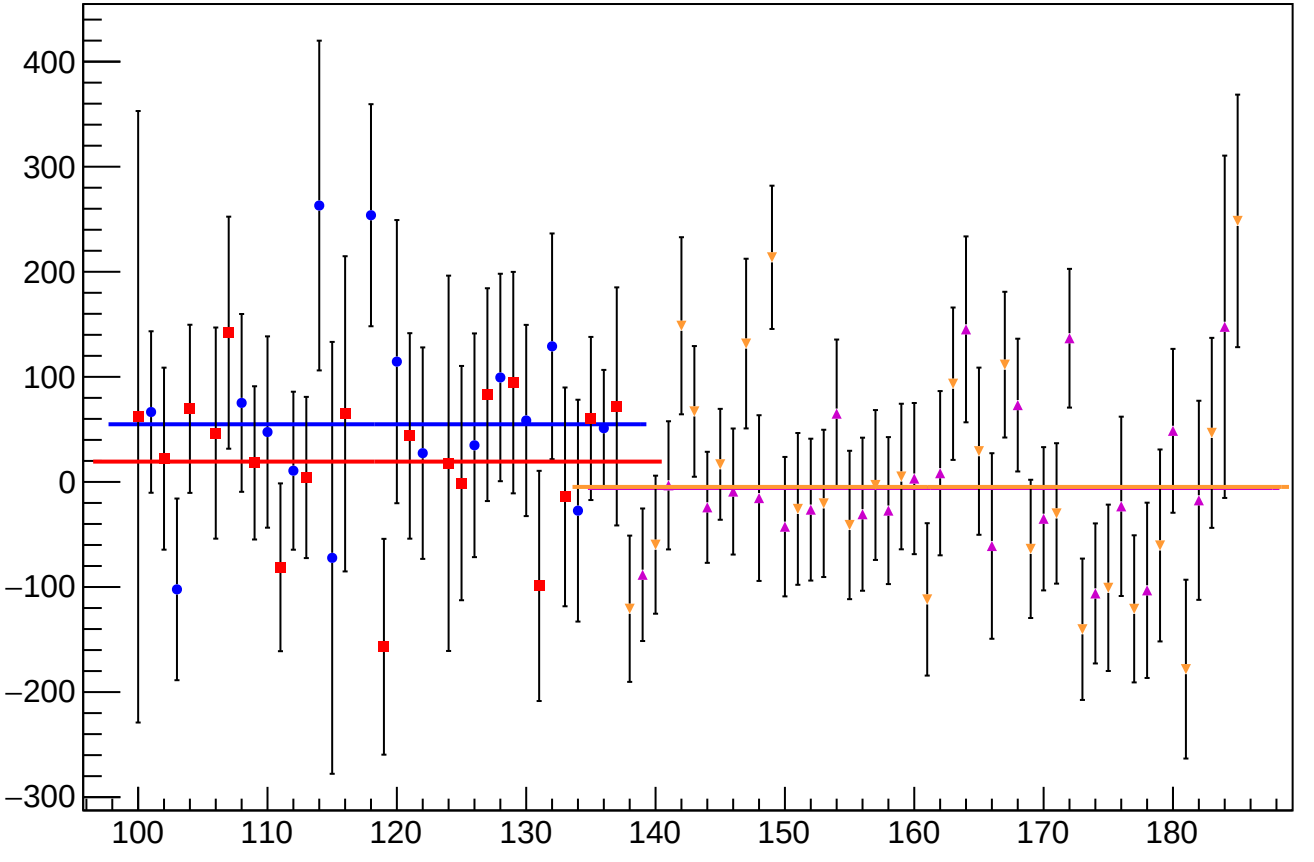
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 348.653+/-0.049 χ^2/NDF: 2502268.4/40

All: 346.630+/-0.035 χ^2/NDF: 5000112.1/82

- sign 344.591+/-0.049 χ^2/NDF: 2494443.4/41

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

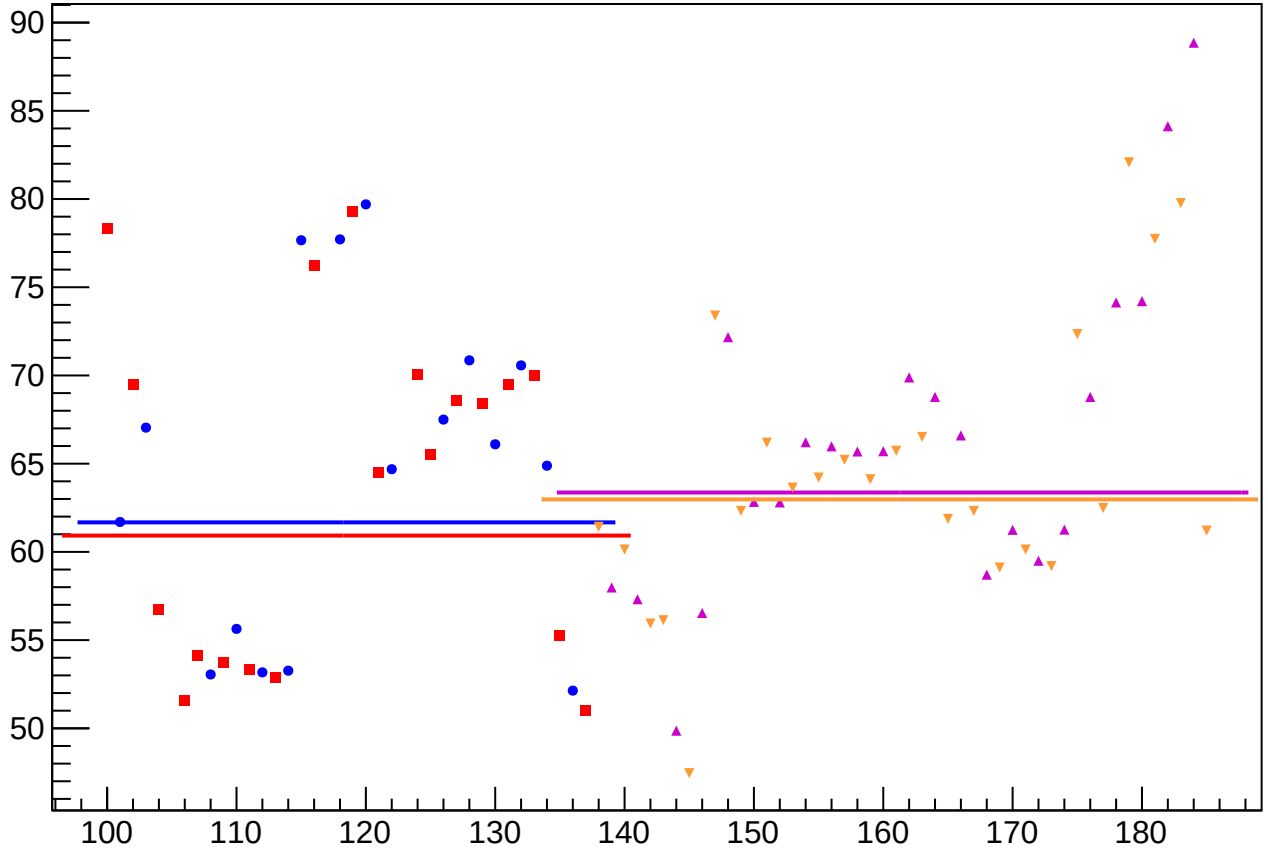
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.909+/-12.251 χ^2/NDF: 63.1/40

All: 6.970+/-8.734 χ^2/NDF: 91.8/82

- 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: 62.976+/-0.010 χ^2/NDF:526859.8/24

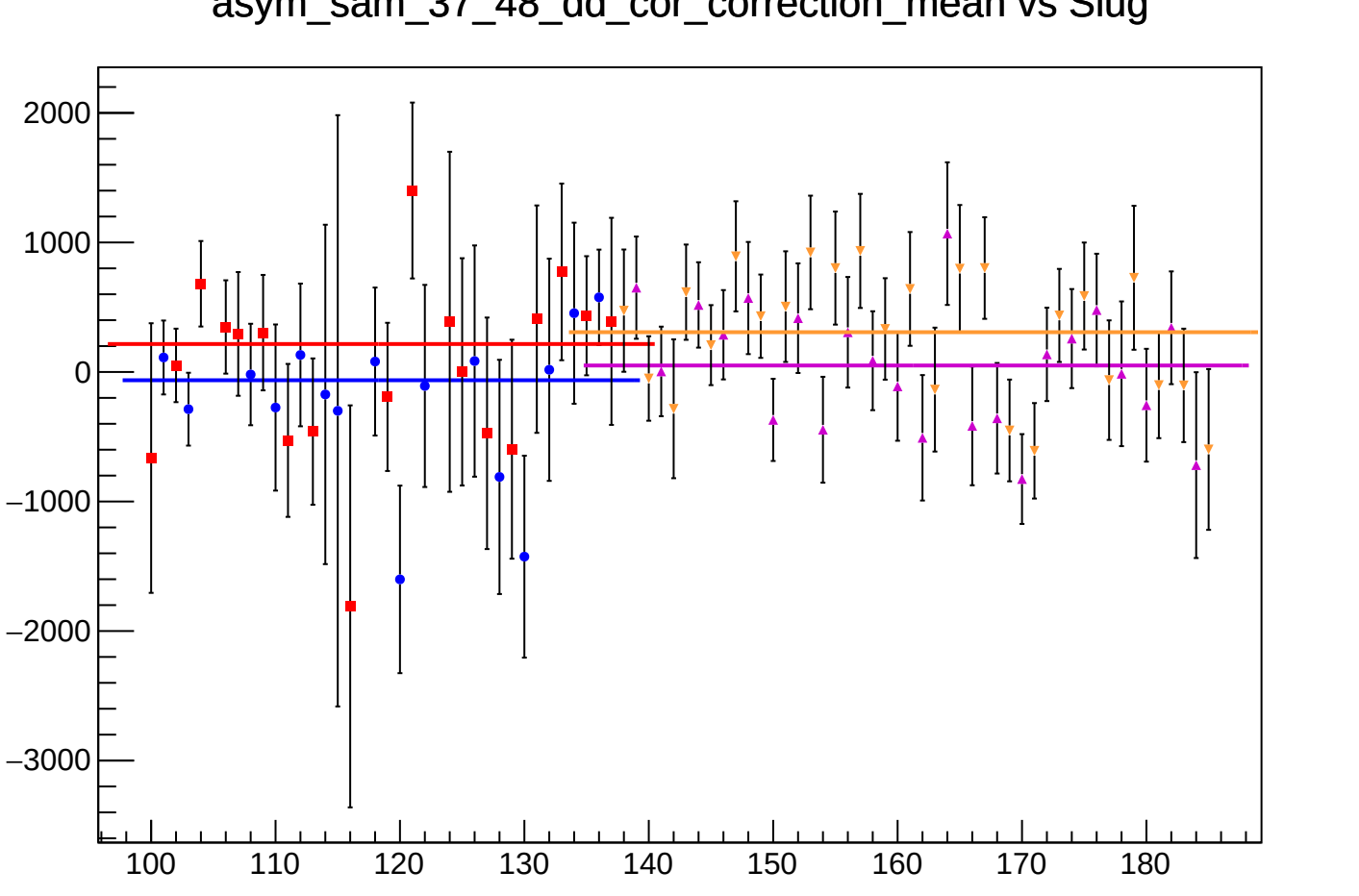
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.612+/-0.009 χ^2/NDF: 798524.5/40

All: 62.618+/-0.006 χ^2/NDF: 1599268.6/82

- 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: 307.177+/-82.361 χ^2/NDF:30.6/24

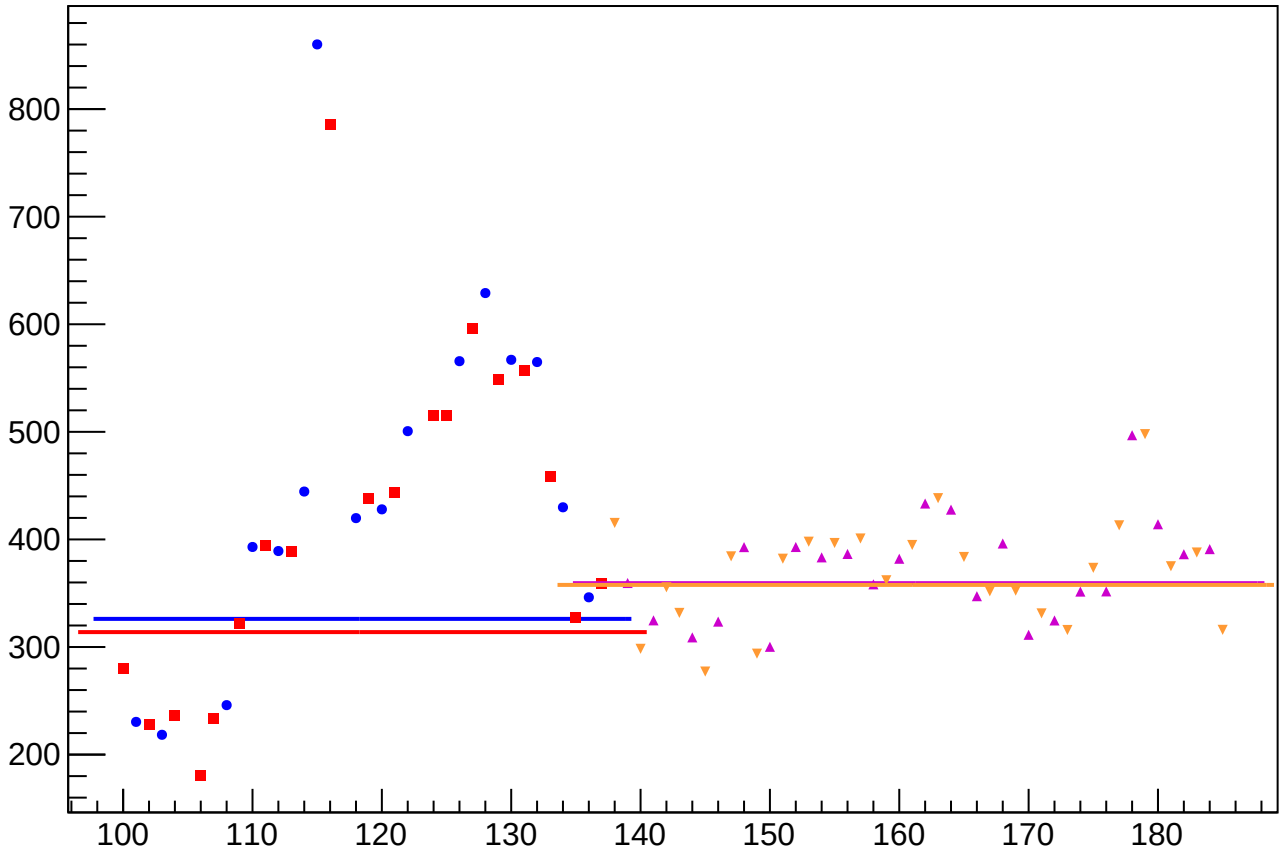
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 200.536+/-69.524 χ^2/NDF: 49.7/40

All: 152.158+/-49.303 χ^2/NDF: 93.2/82

- 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: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

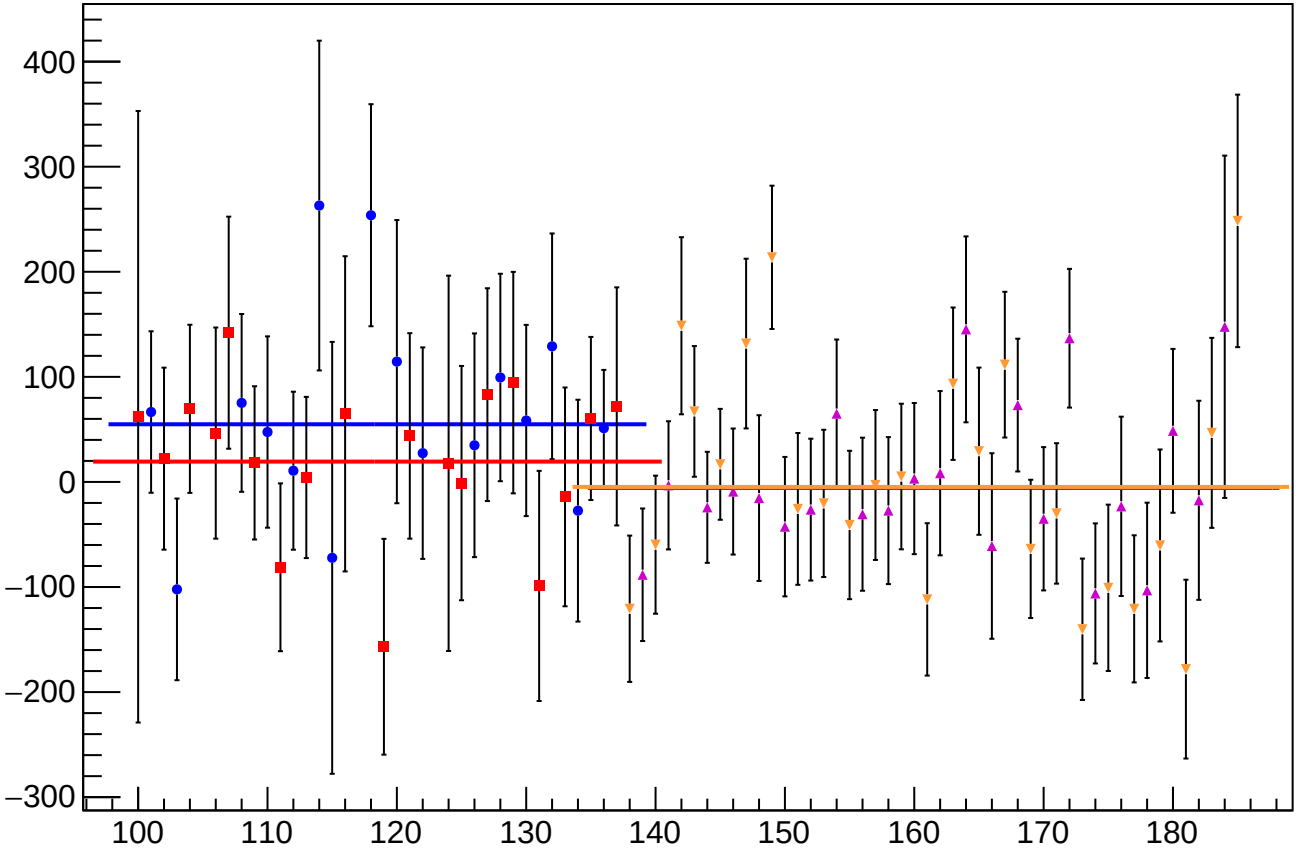
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 348.654+/-0.049 χ^2/NDF: 2502187.9/40

All: 346.720+/-0.035 χ^2/NDF: 5015205.0/82

- 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: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

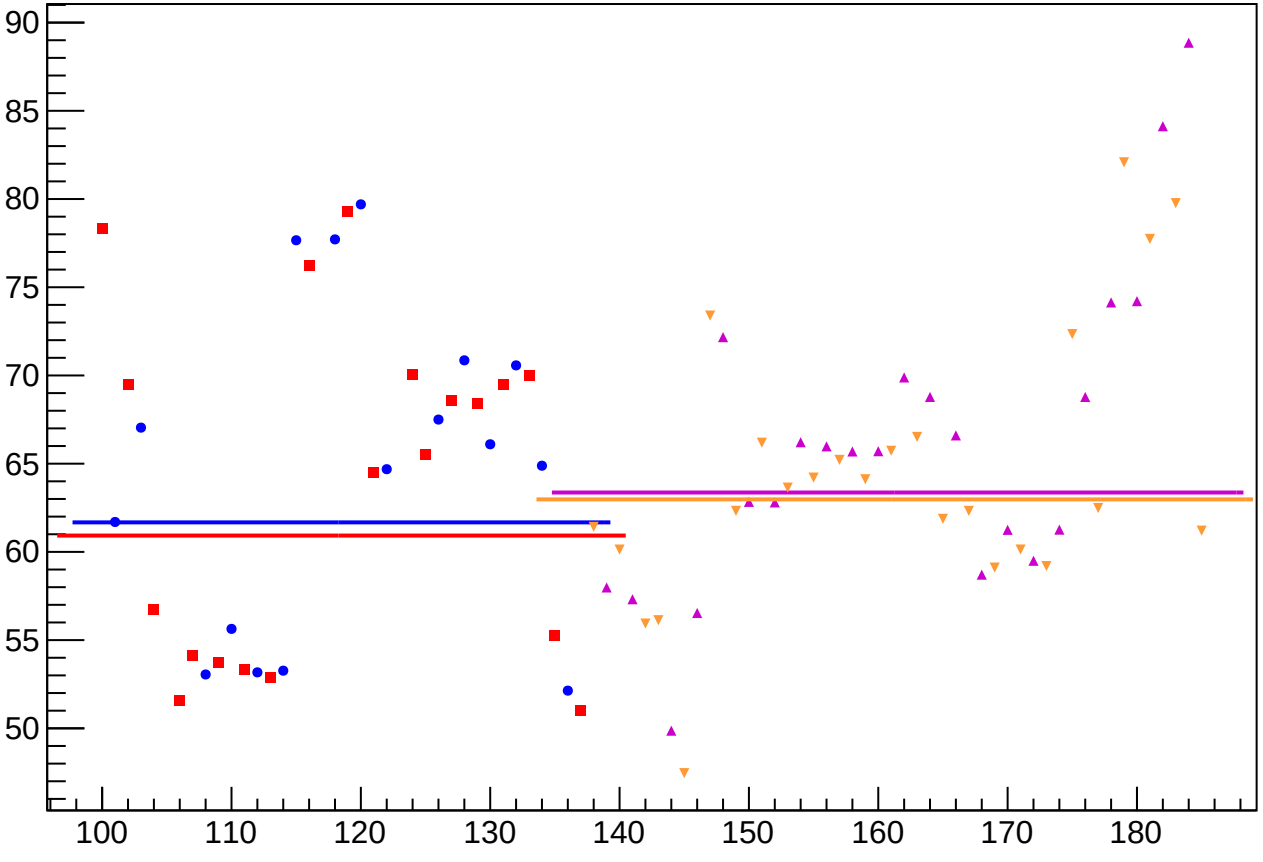
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.909+/-12.251 χ^2/NDF: 63.1/40

All: 6.970+/-8.734 χ^2/NDF: 91.8/82

- 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: 62.976+/-0.010 χ^2/NDF:526859.8/24

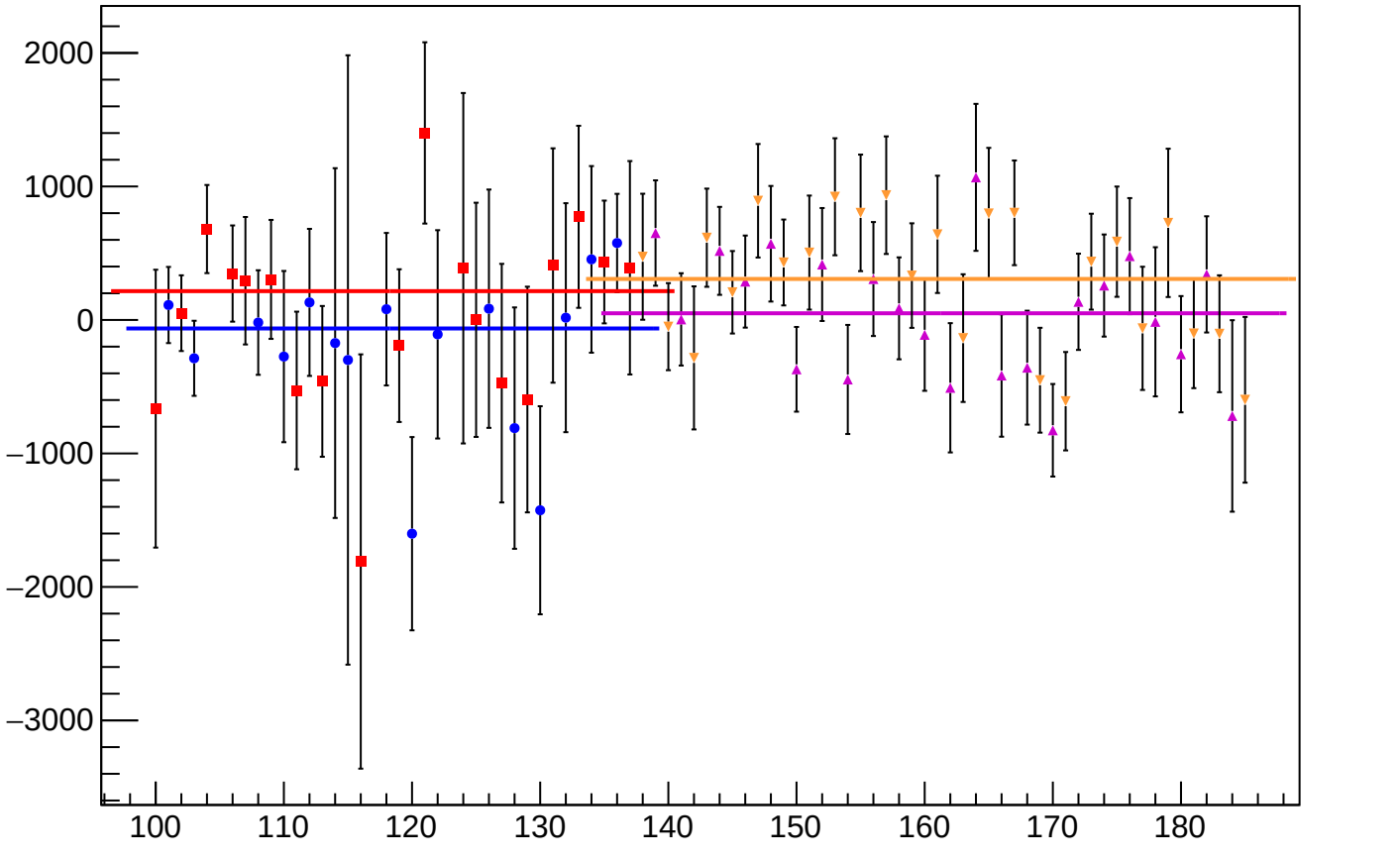
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

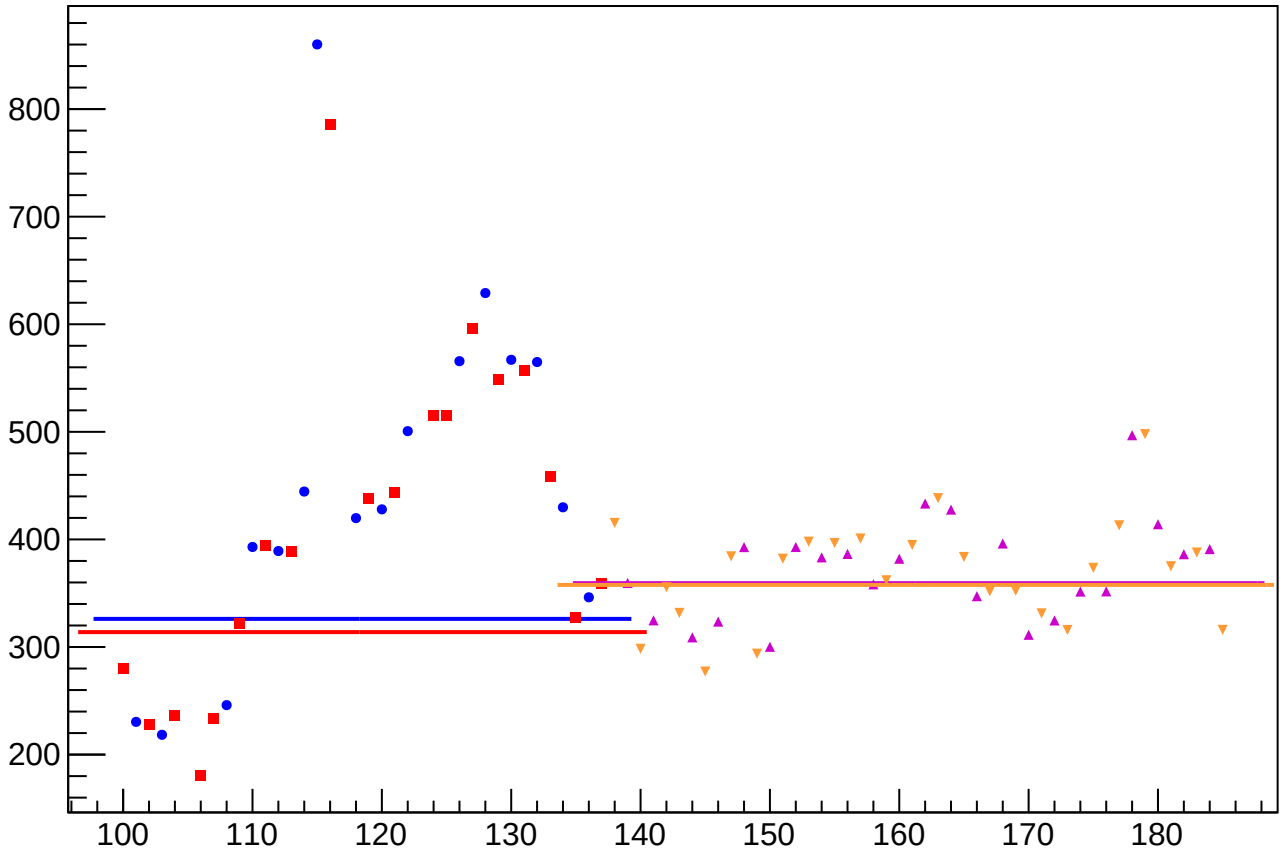
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.612+/-0.009 χ^2/NDF: 798524.5/40

All: 62.618+/-0.006 χ^2/NDF: 1599268.6/82

- sign 62.624+/-0.009 χ^2/NDF: 800743.2/41


asym_sam_37_48_dd_eigen_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: 307.177+/-82.361 χ²/NDF:30.6/24
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 50.029+/-84.838 χ²/NDF:27.3/22
+ sign 200.536+/-69.524 χ²/NDF: 49.7/40
All: 152.158+/-49.303 χ²/NDF: 93.2/82
- sign 103.217+/-69.927 χ²/NDF: 42.6/41



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

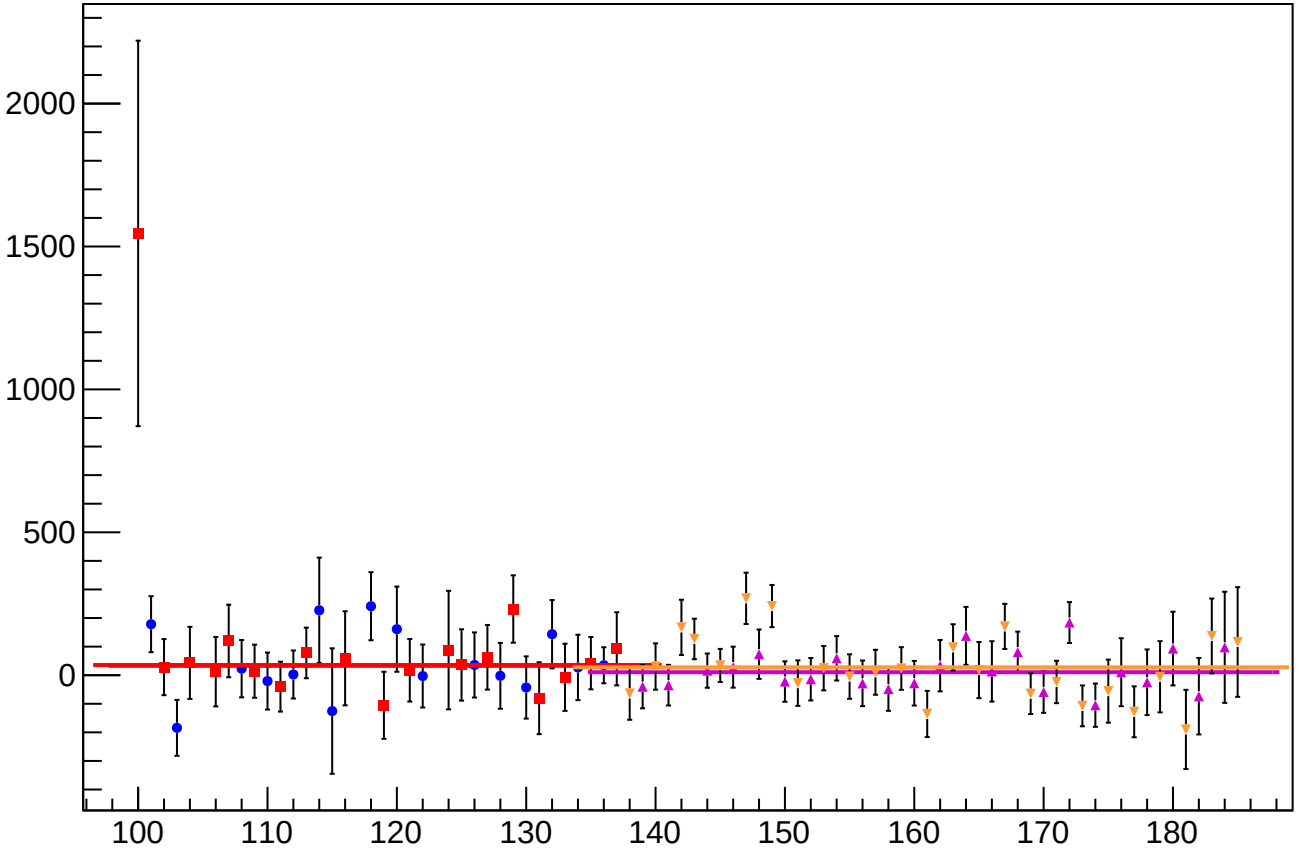
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 348.654+/-0.049 χ^2/NDF: 2502187.9/40

All: 346.720+/-0.035 χ^2/NDF: 5015205.0/82

- 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: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

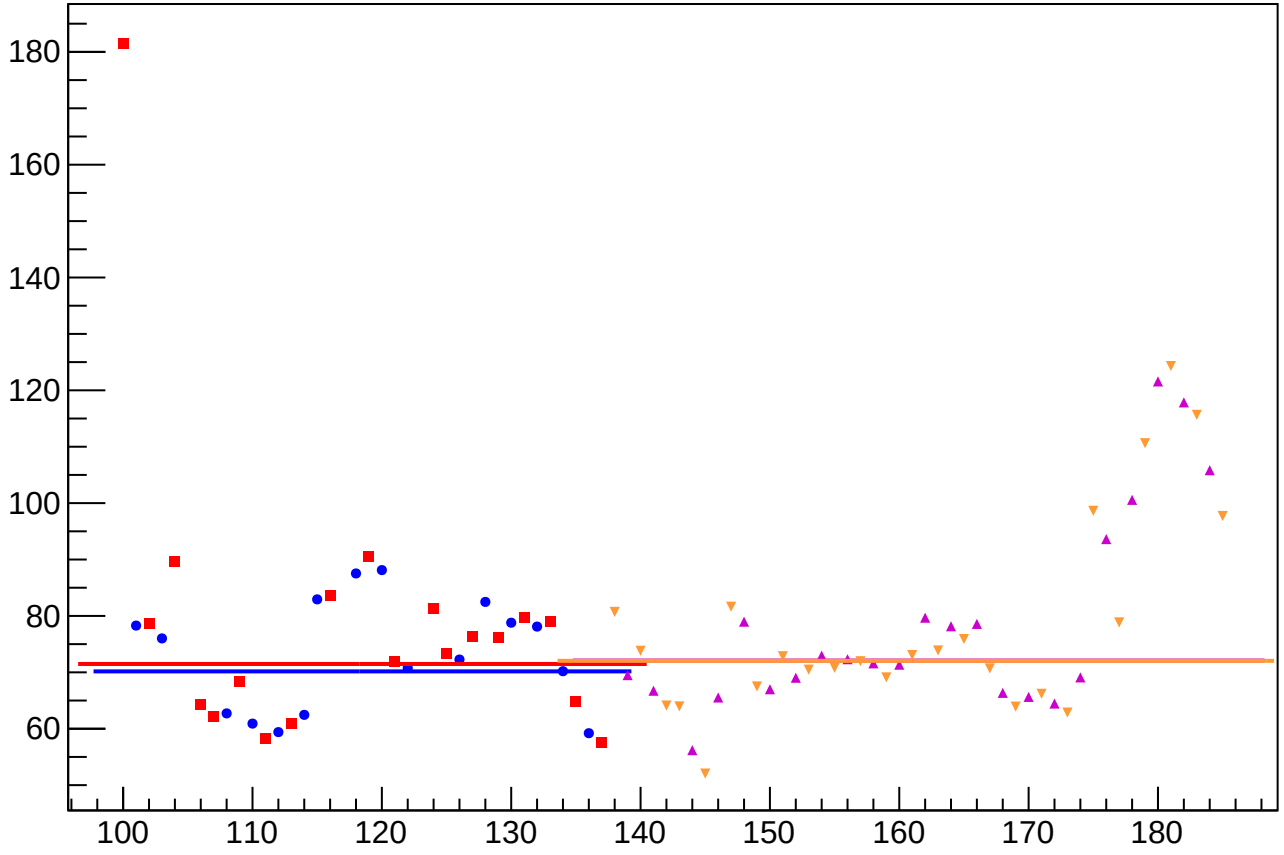
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 29.281+/-14.141 χ^2/NDF: 56.9/40

All: 23.737+/-10.106 χ^2/NDF: 86.0/82

- 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: 72.041+/-0.012 χ^2/NDF:1269471.8/24

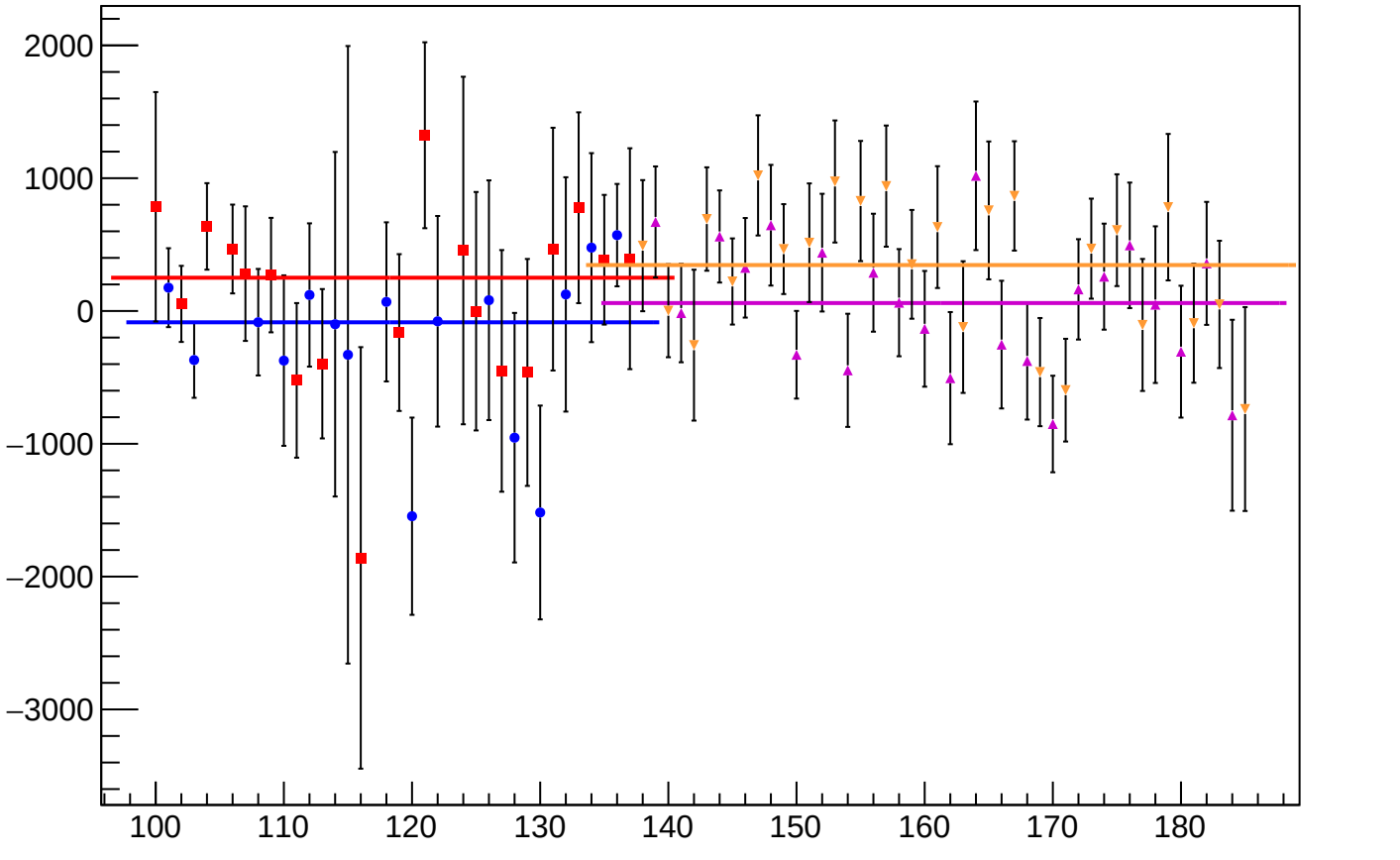
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 71.504+/-0.010 χ^2/NDF: 1545898.4/40

All: 71.703+/-0.007 χ^2/NDF: 2932025.8/82

- 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: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

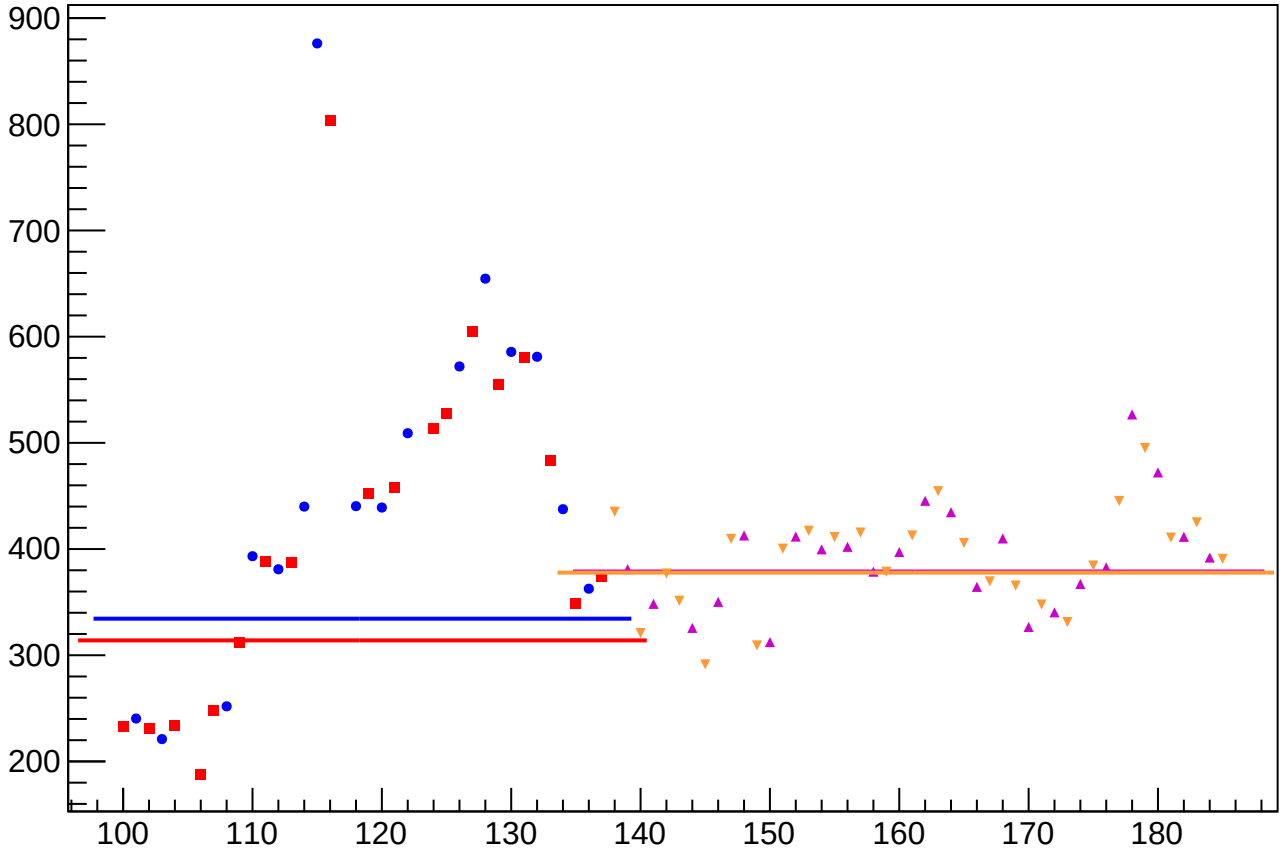
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 216.972+/-72.682 χ^2/NDF: 50.0/40

All: 171.082+/-51.288 χ^2/NDF: 90.7/82

- 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: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

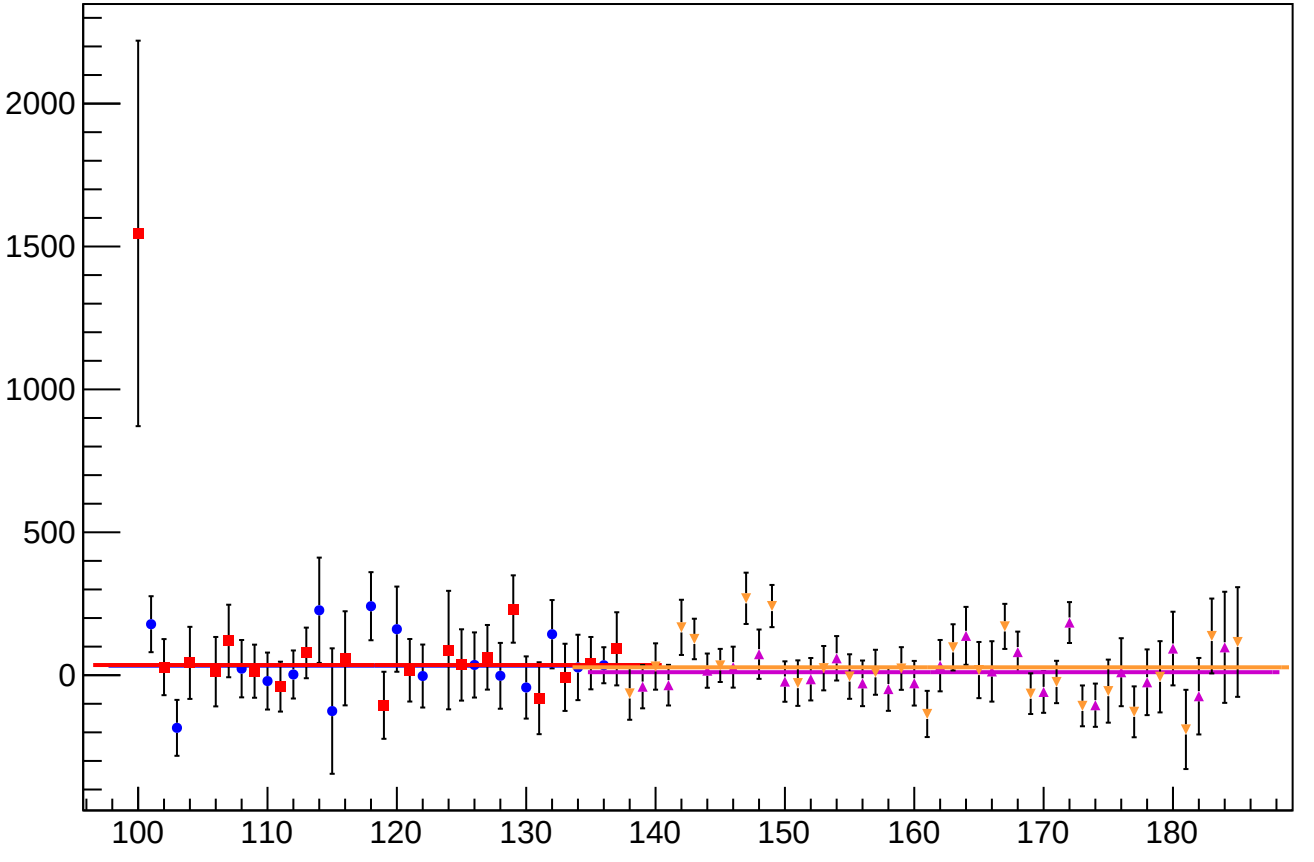
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 364.822+/-0.051 χ^2/NDF: 2516611.7/40

All: 360.646+/-0.036 χ^2/NDF: 5325172.2/82

- 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: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

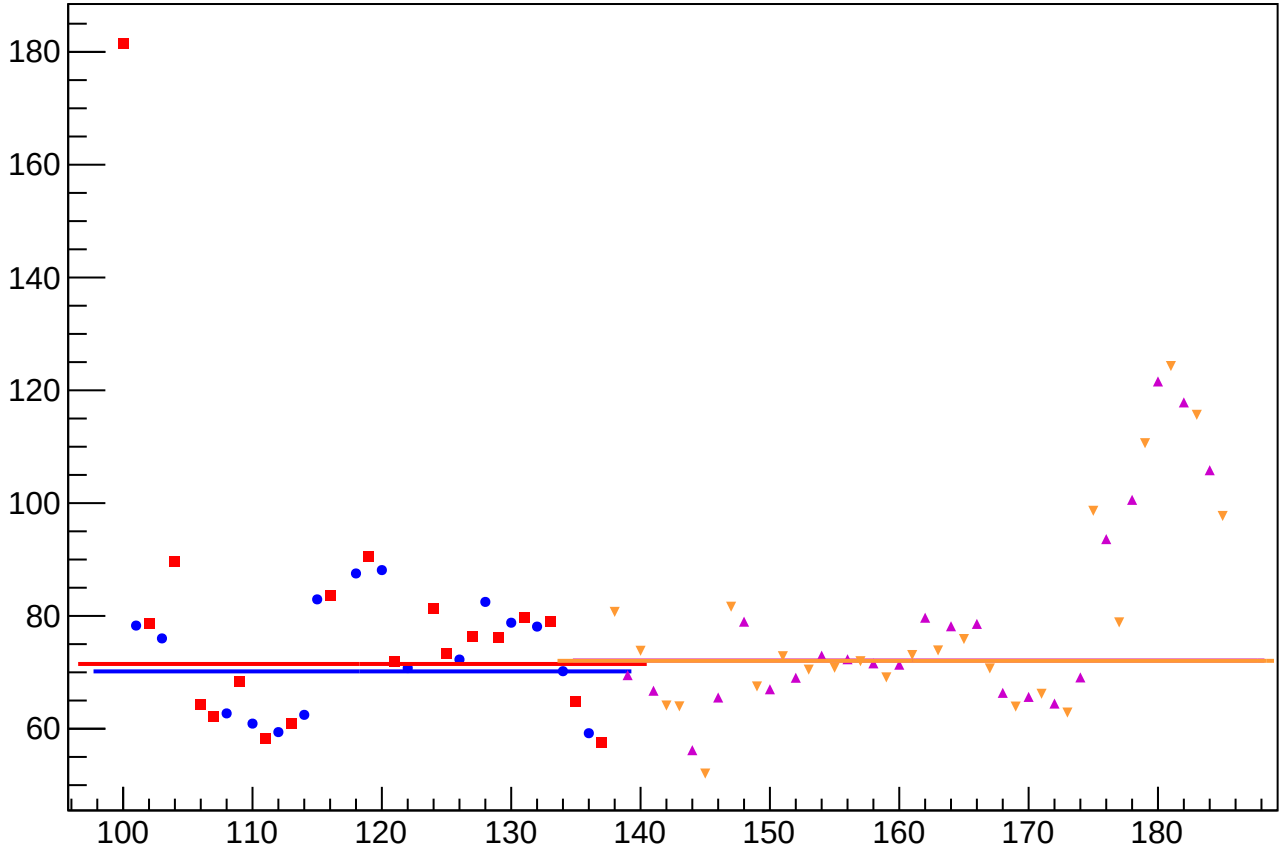
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 29.280+/-14.141 χ^2/NDF: 56.9/40

All: 23.736+/-10.106 χ^2/NDF: 86.0/82

- 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: 72.041+/-0.012 χ^2/NDF:1269479.1/24

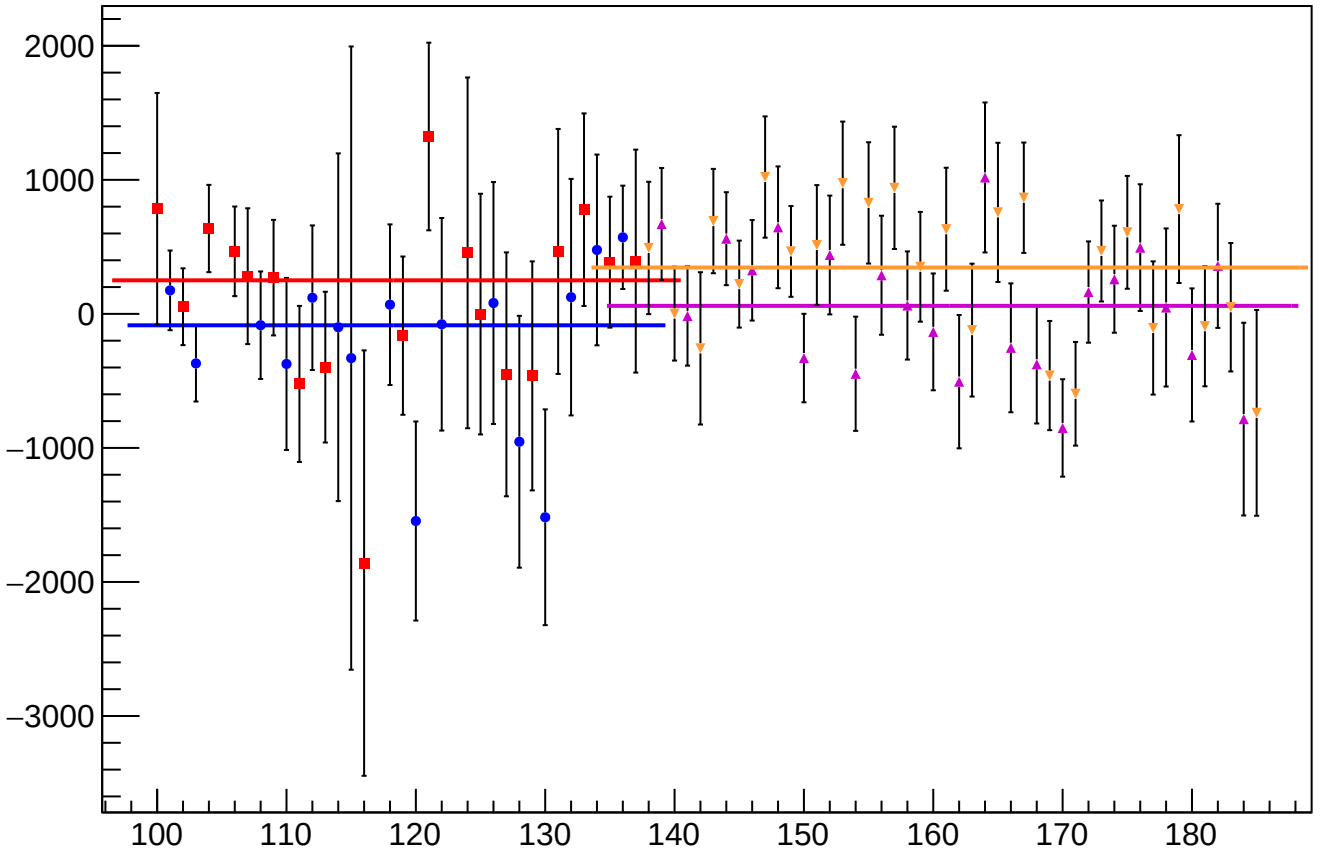
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 71.504+/-0.010 χ^2/NDF: 1545907.7/40

All: 71.703+/-0.007 χ^2/NDF: 2932031.3/82

- 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: 345.972+/-86.822 χ^2/NDF:28.9/24

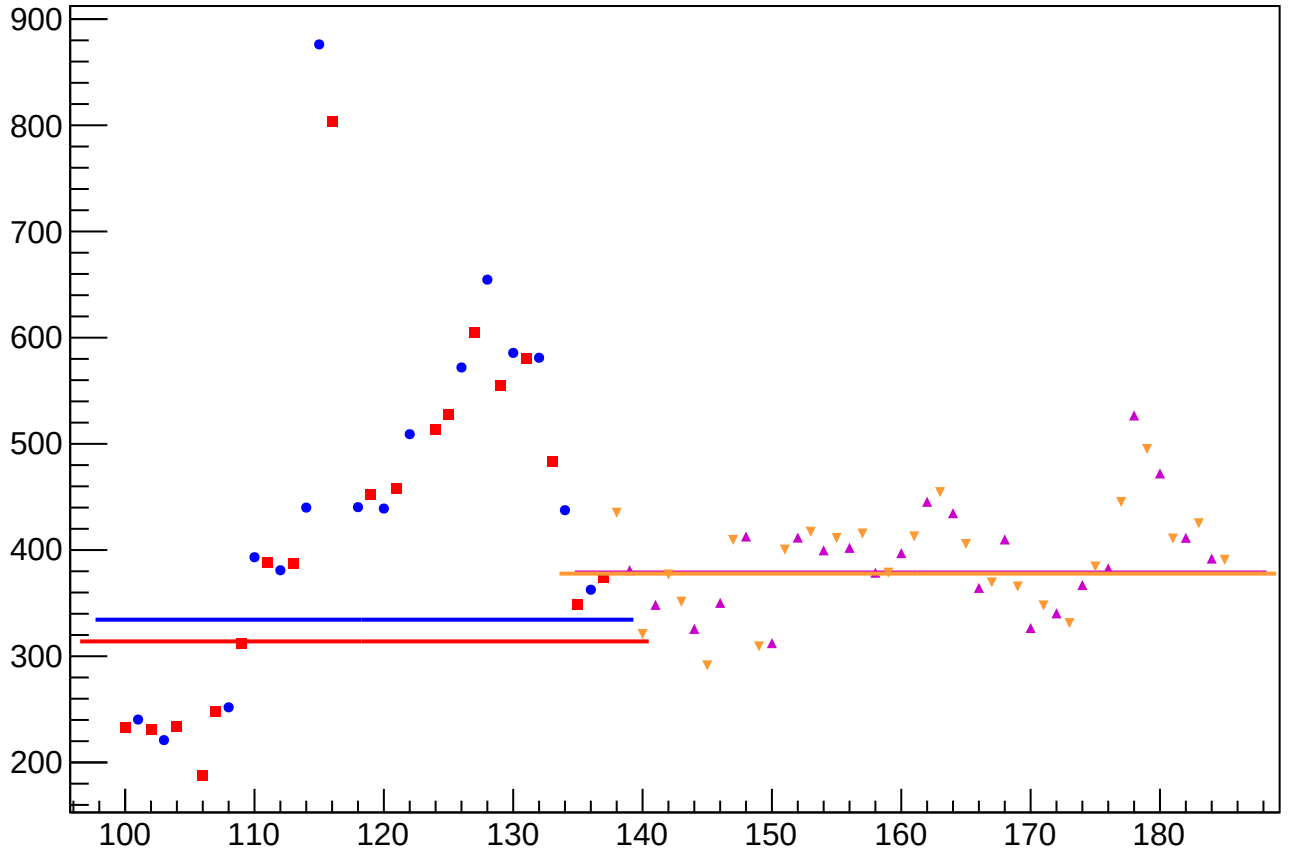
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 216.971+/-72.682 χ^2/NDF: 50.0/40

All: 171.081+/-51.288 χ^2/NDF: 90.7/82

- 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: 377.796+/-0.061 χ^2/NDF:636714.9/24

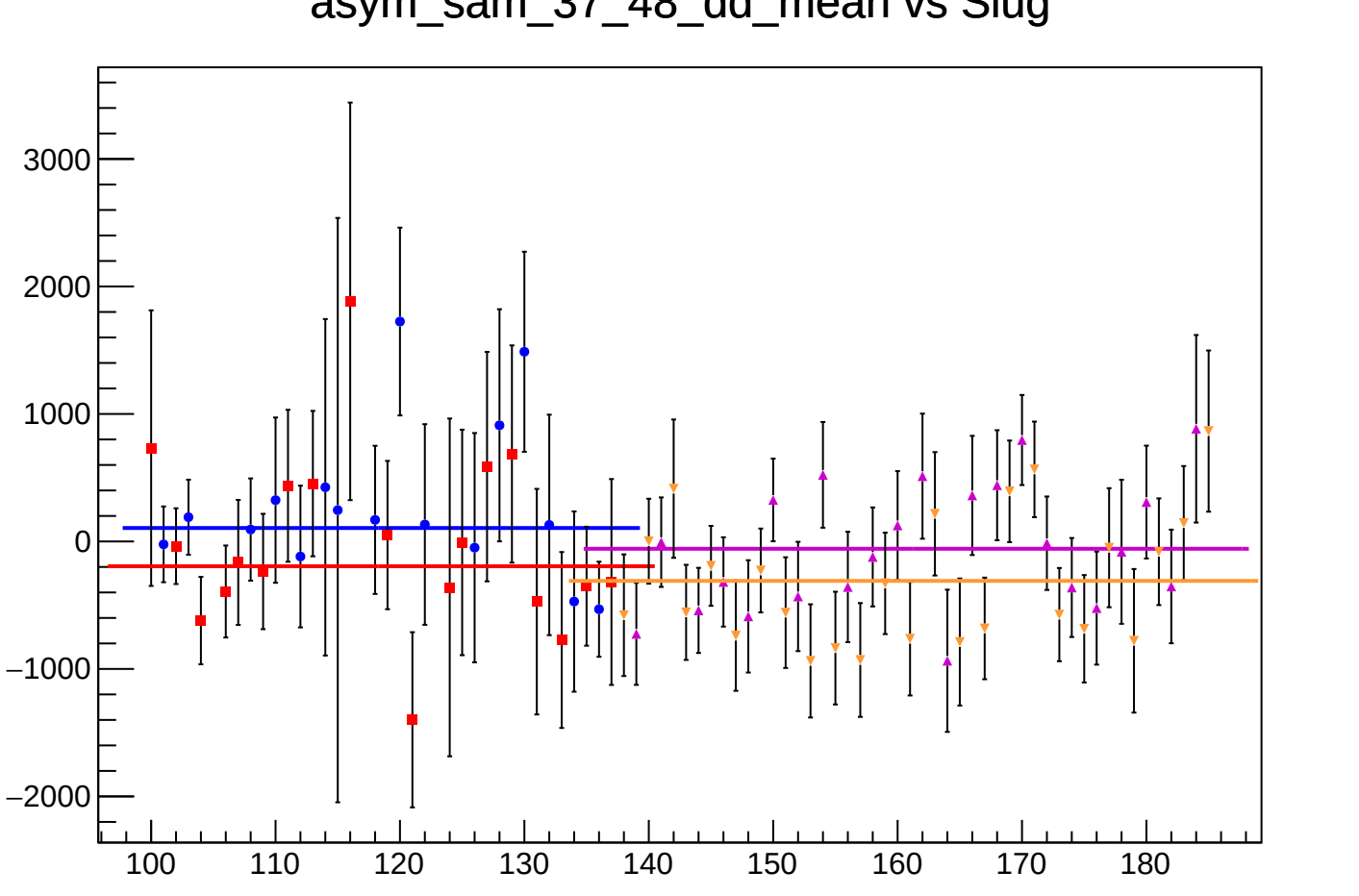
Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 364.821+/-0.051 χ^2/NDF: 2516606.9/40

All: 360.646+/-0.036 χ^2/NDF: 5325158.9/82

- sign 356.504+/-0.051 χ^2/NDF: 2795401.8/41



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

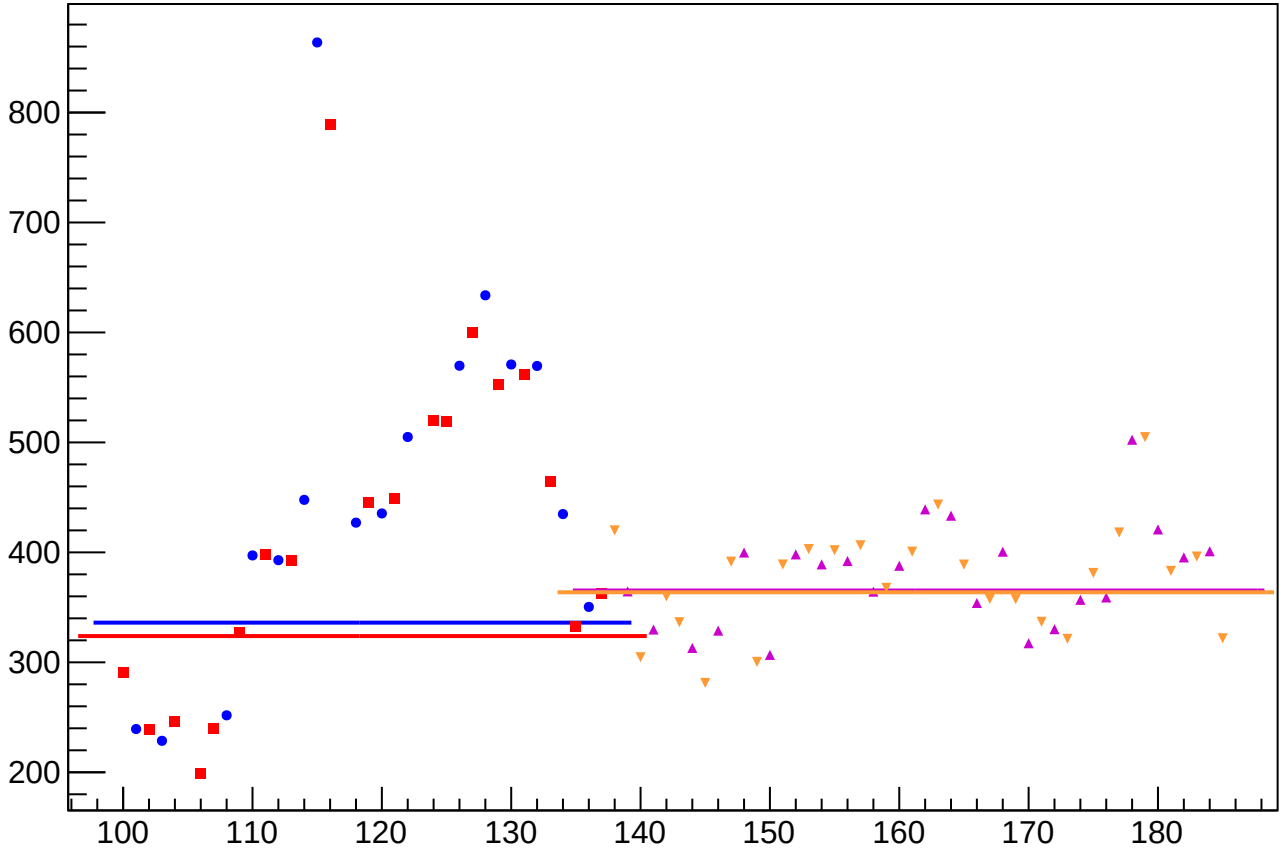
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

\+ sign -191.724+/-70.850 χ^2/NDF: 49.9/40

All: -146.680+/-50.220 χ^2/NDF: 92.6/82

\- 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: 363.714+/-0.059 χ^2/NDF:669244.7/24

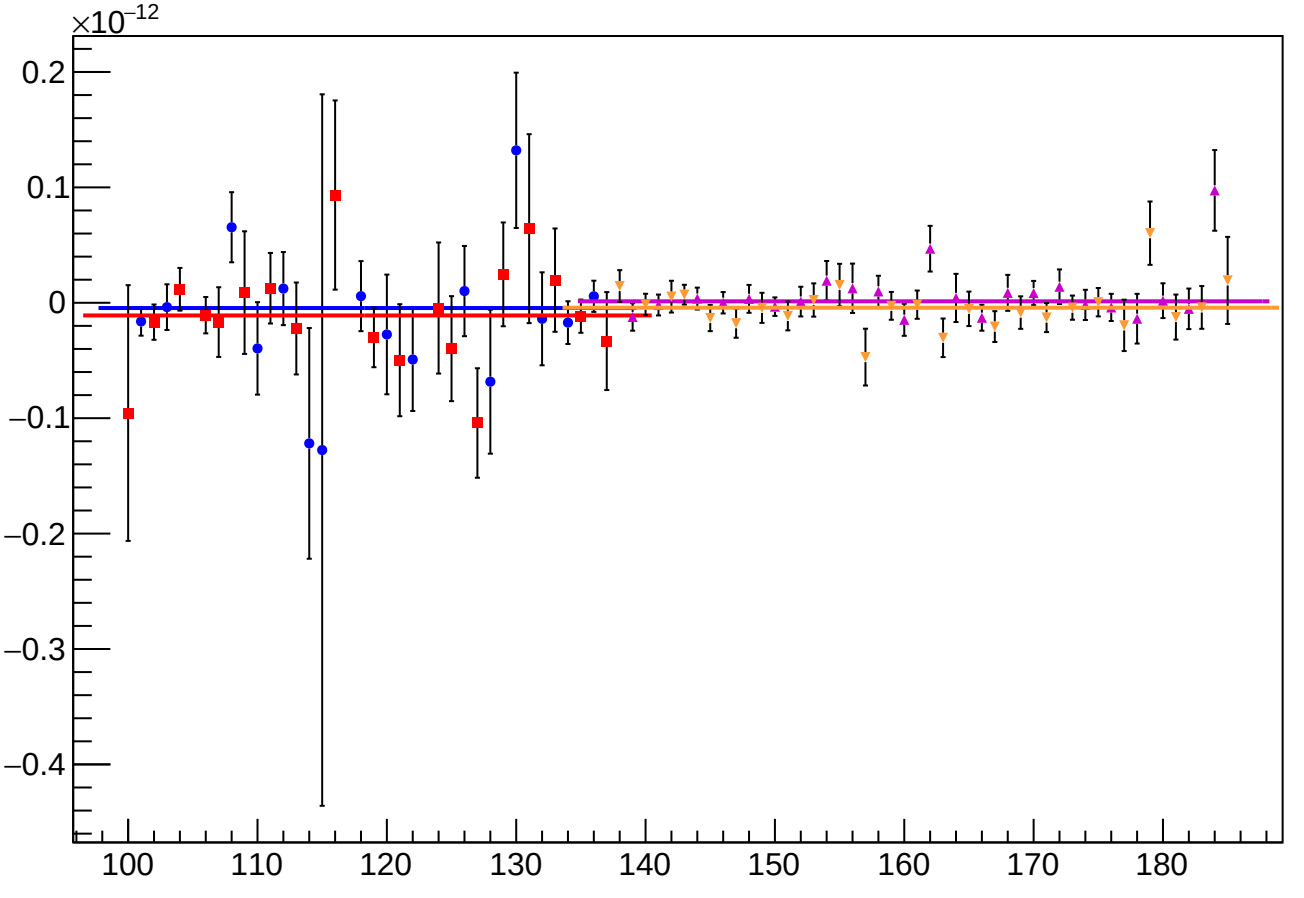
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 355.881+/-0.050 χ^2/NDF: 2350001.8/40

All: 354.018+/-0.036 χ^2/NDF: 4674712.1/82

- 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:21.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

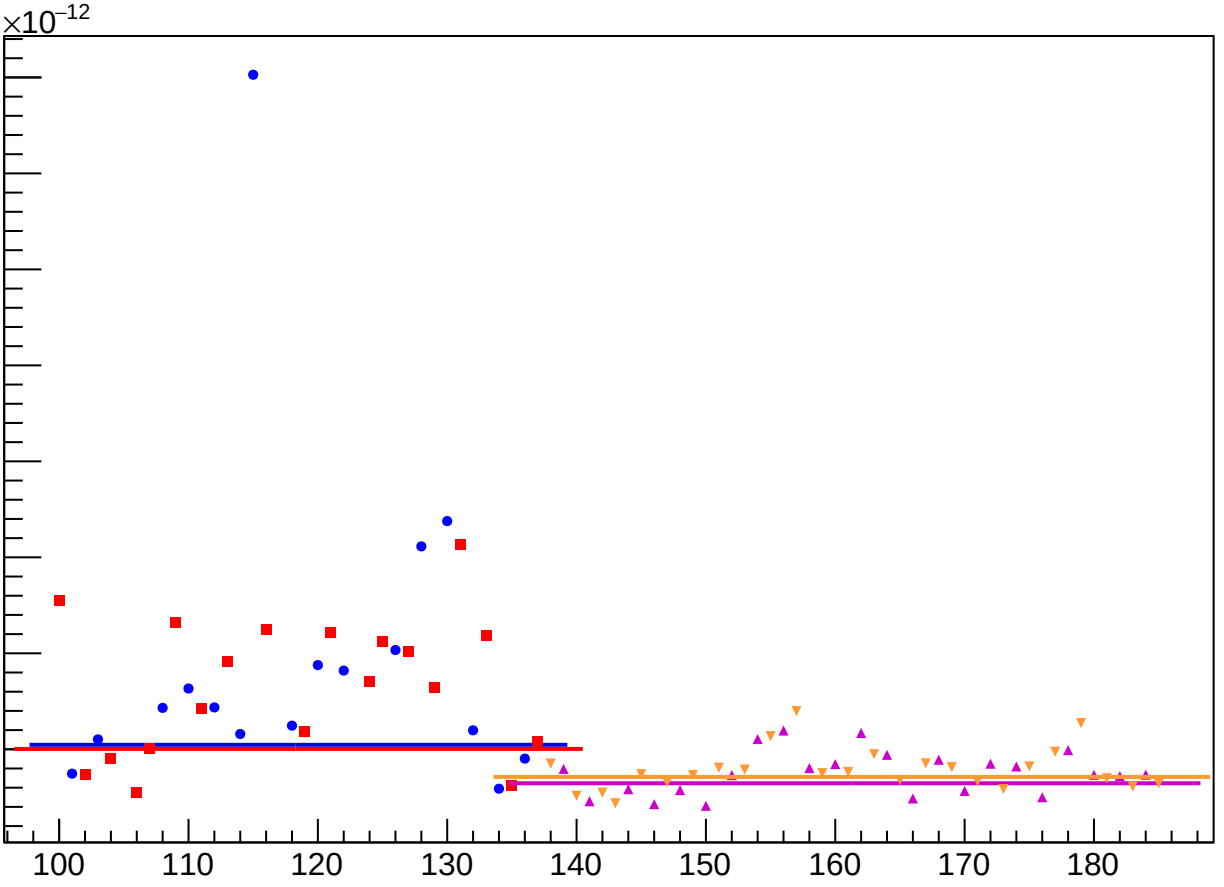
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.4/40

All: -0.000+/-0.000 χ^2/NDF: 76.8/82

- 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:872904.8/24

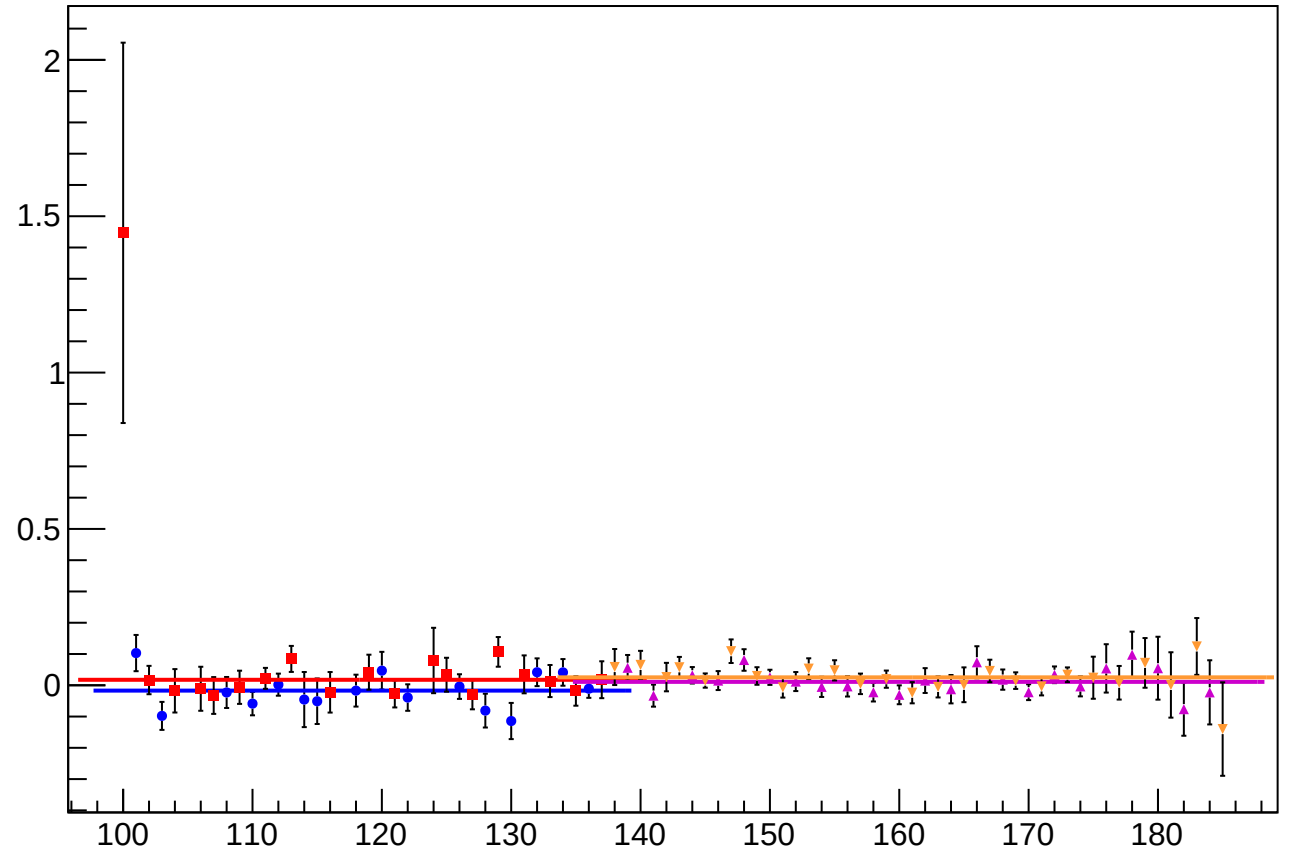
Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 2514002.7/40

All: 0.000+/-0.000 χ^2/NDF: 5741975.4/82

- sign 0.000+/-0.000 χ^2/NDF: 3162134.3/41



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

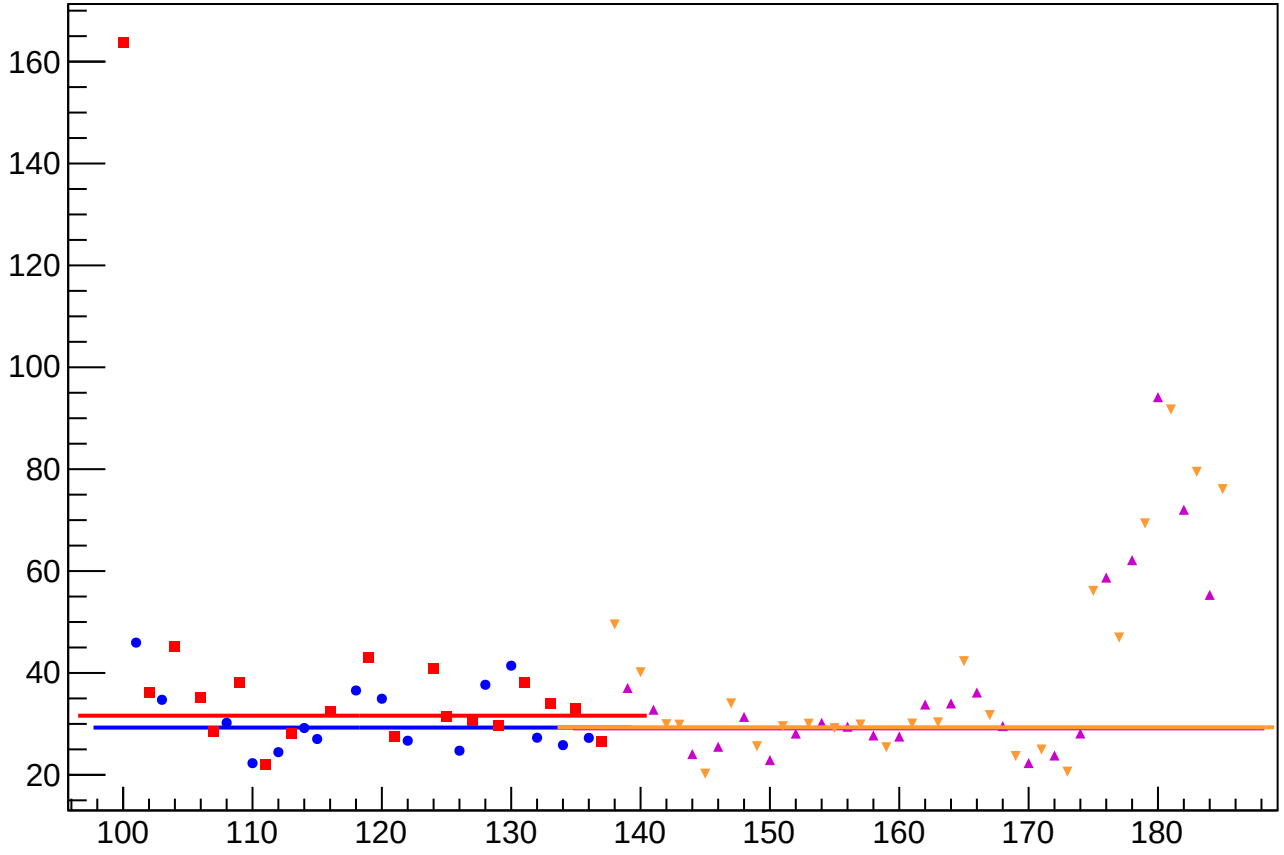
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.2/40

All: 0.013+/-0.004 χ^2/NDF: 82.2/82

- 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: 29.335+/-0.005 χ^2/NDF:3874774.5/24

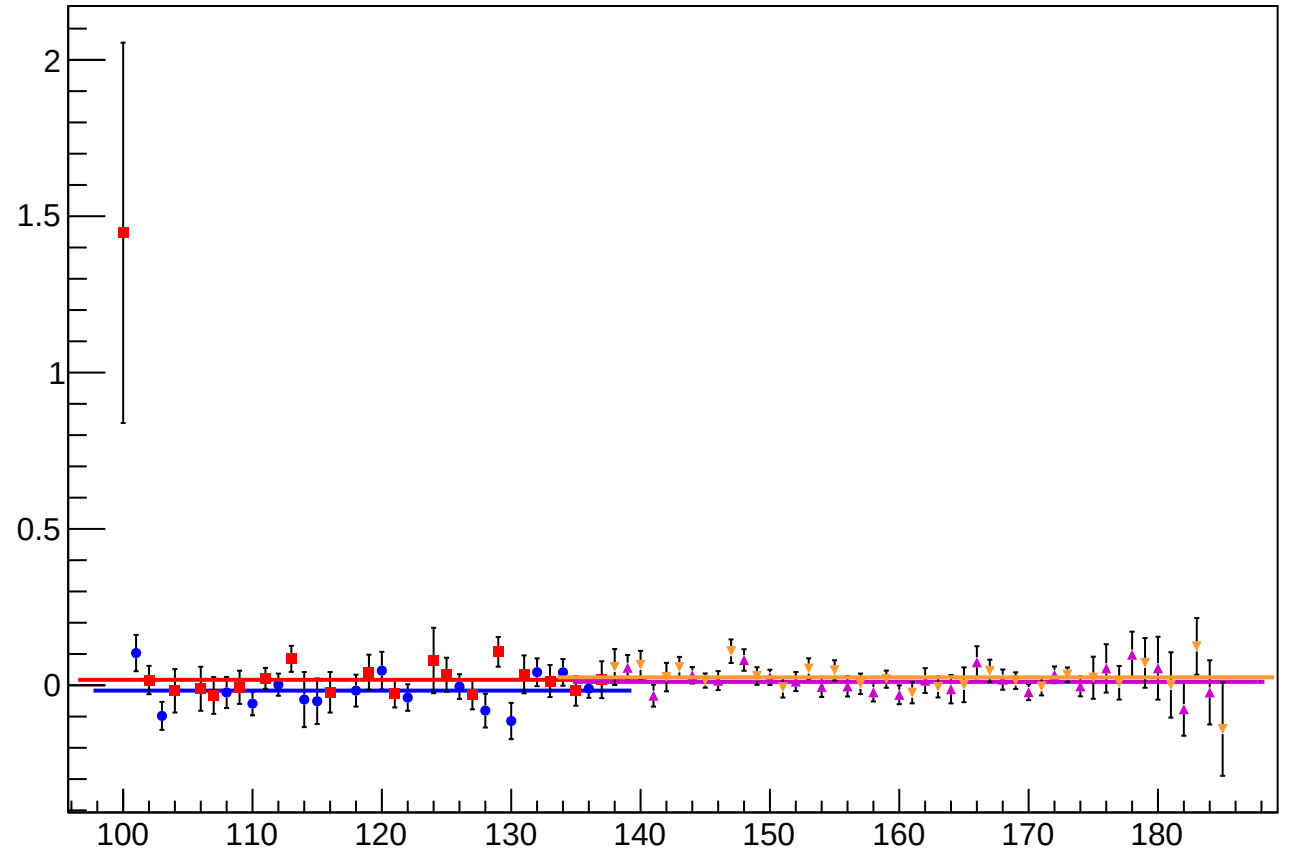
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.318+/-0.004 χ^2/NDF: 4435464.5/40

All: 29.546+/-0.003 χ^2/NDF: 7914638.0/82

- 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: 0.025+/-0.007 χ^2/NDF:17.4/24

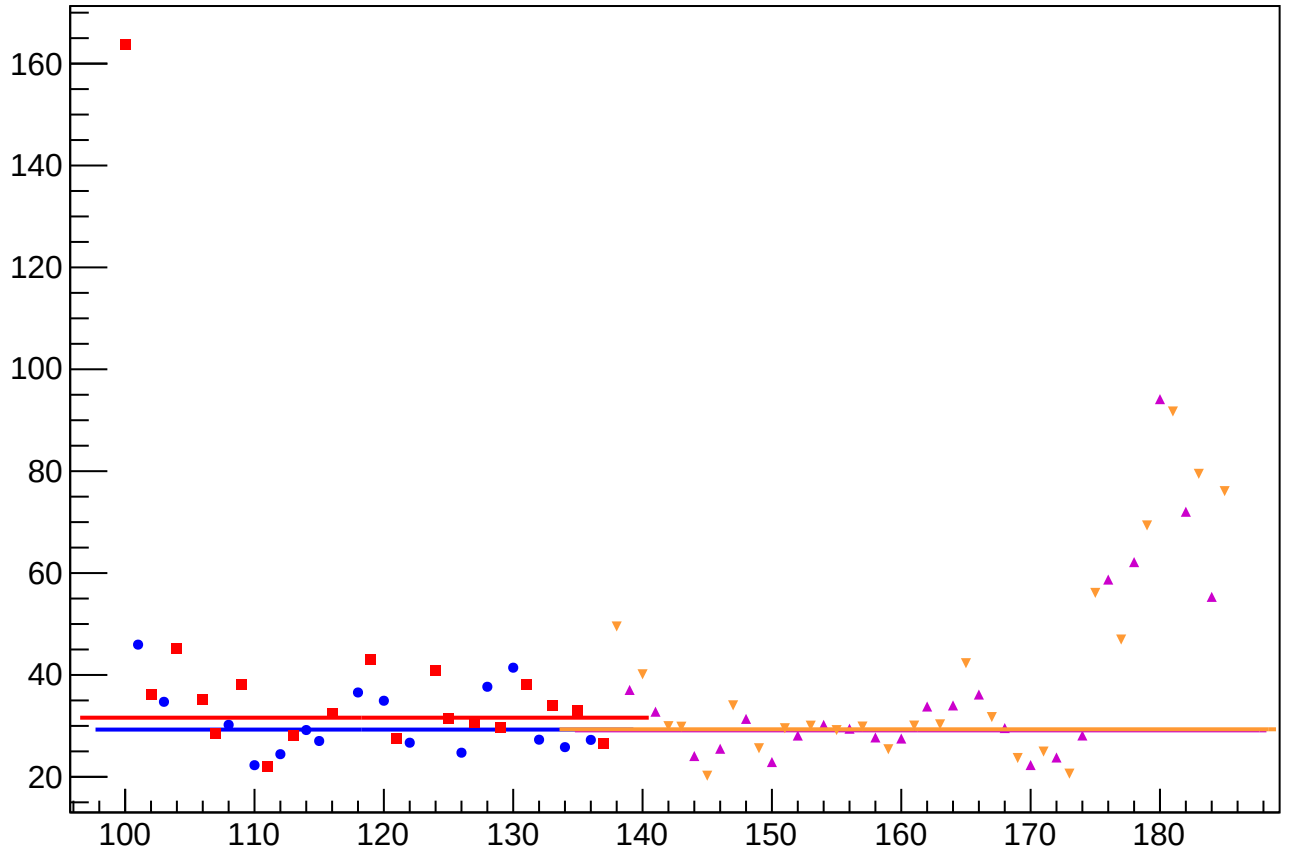
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.2/40

All: 0.013+/-0.004 χ^2/NDF: 82.2/82

- 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: 29.335+/-0.005 χ^2/NDF:3874774.5/24

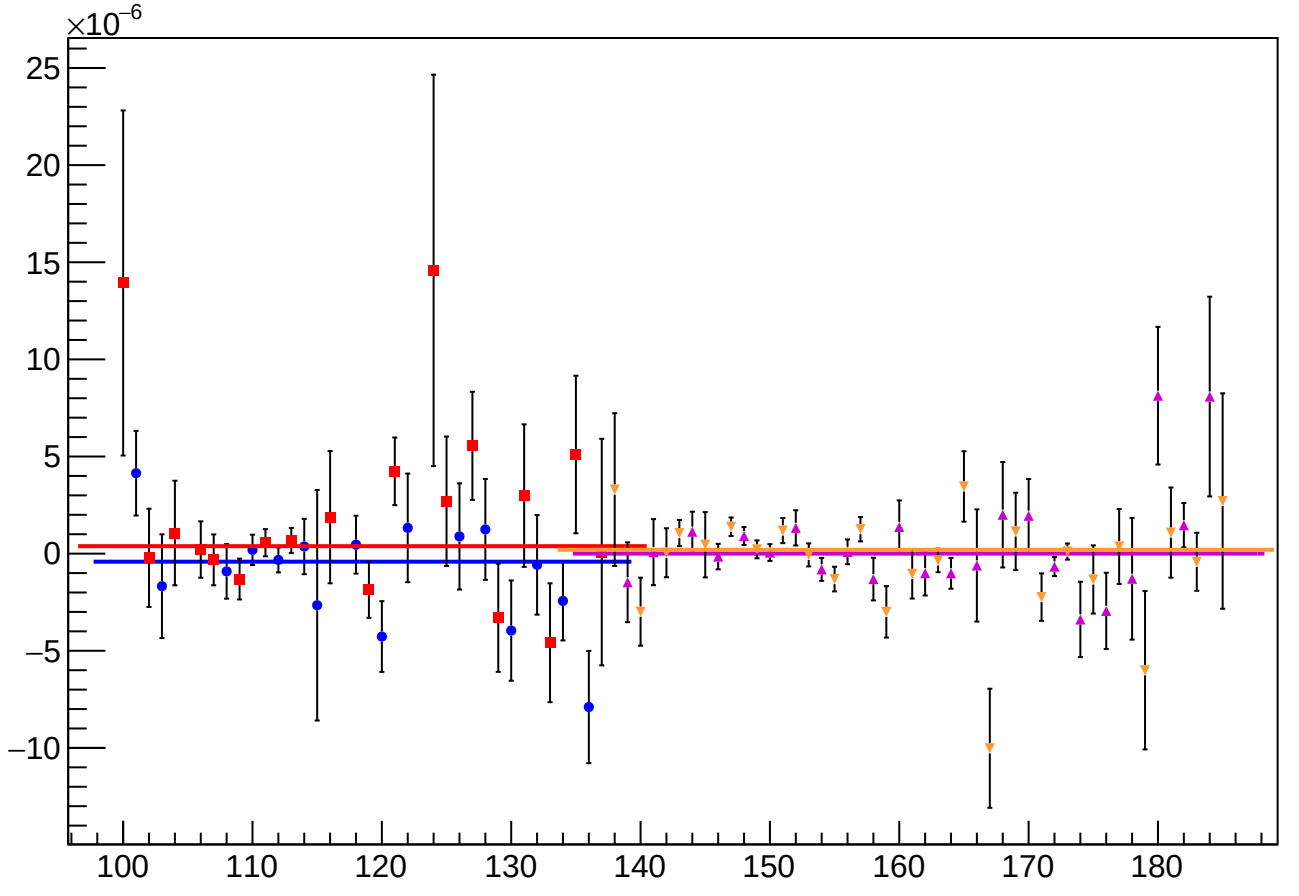
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.318+/-0.004 χ^2/NDF: 4435464.5/40

All: 29.546+/-0.003 χ^2/NDF: 7914638.0/82

- 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:52.6/24

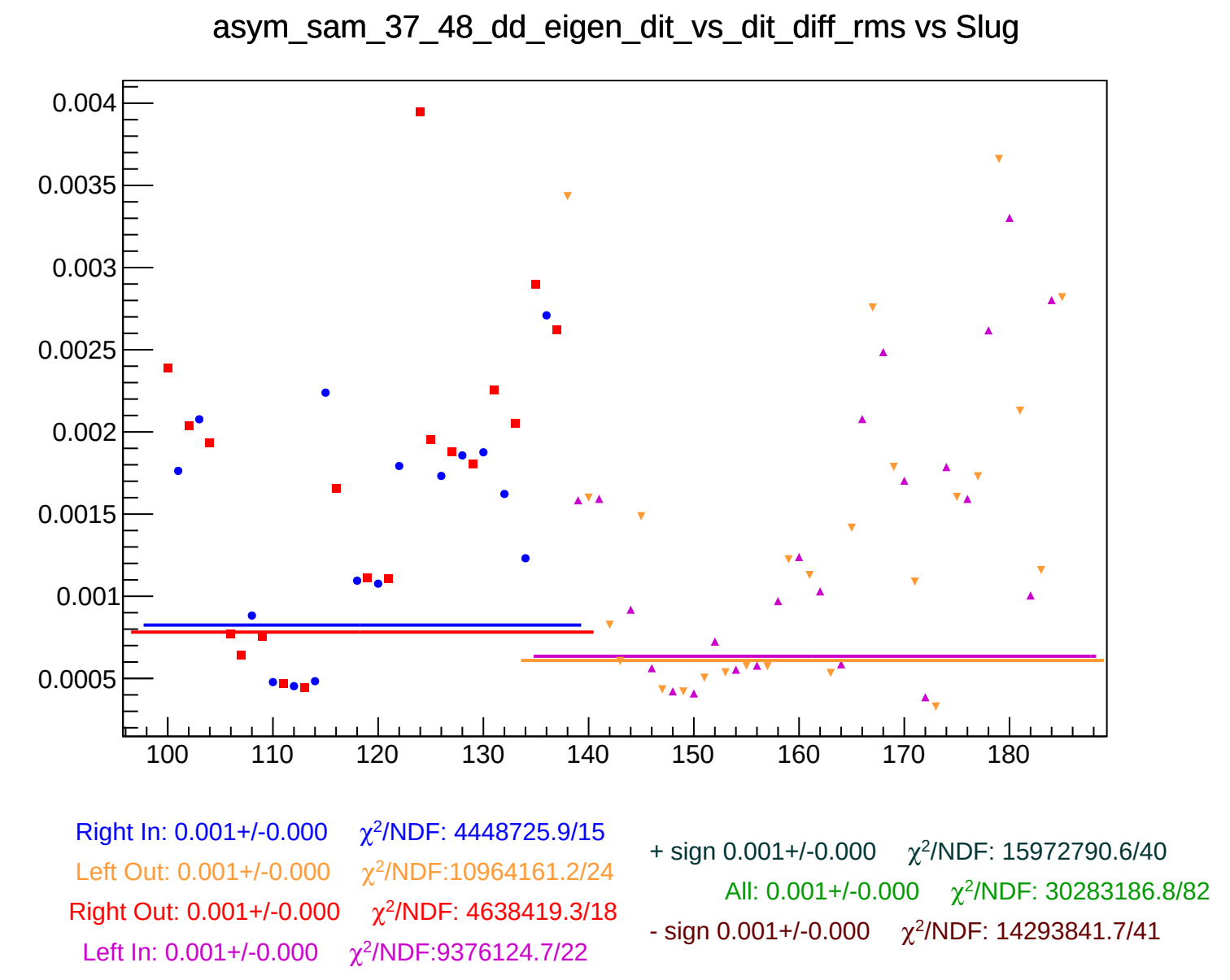
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.1/40

All: 0.000+/-0.000 χ^2/NDF: 135.3/82

- sign 0.000+/-0.000 χ^2/NDF: 59.2/41


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
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0.0015
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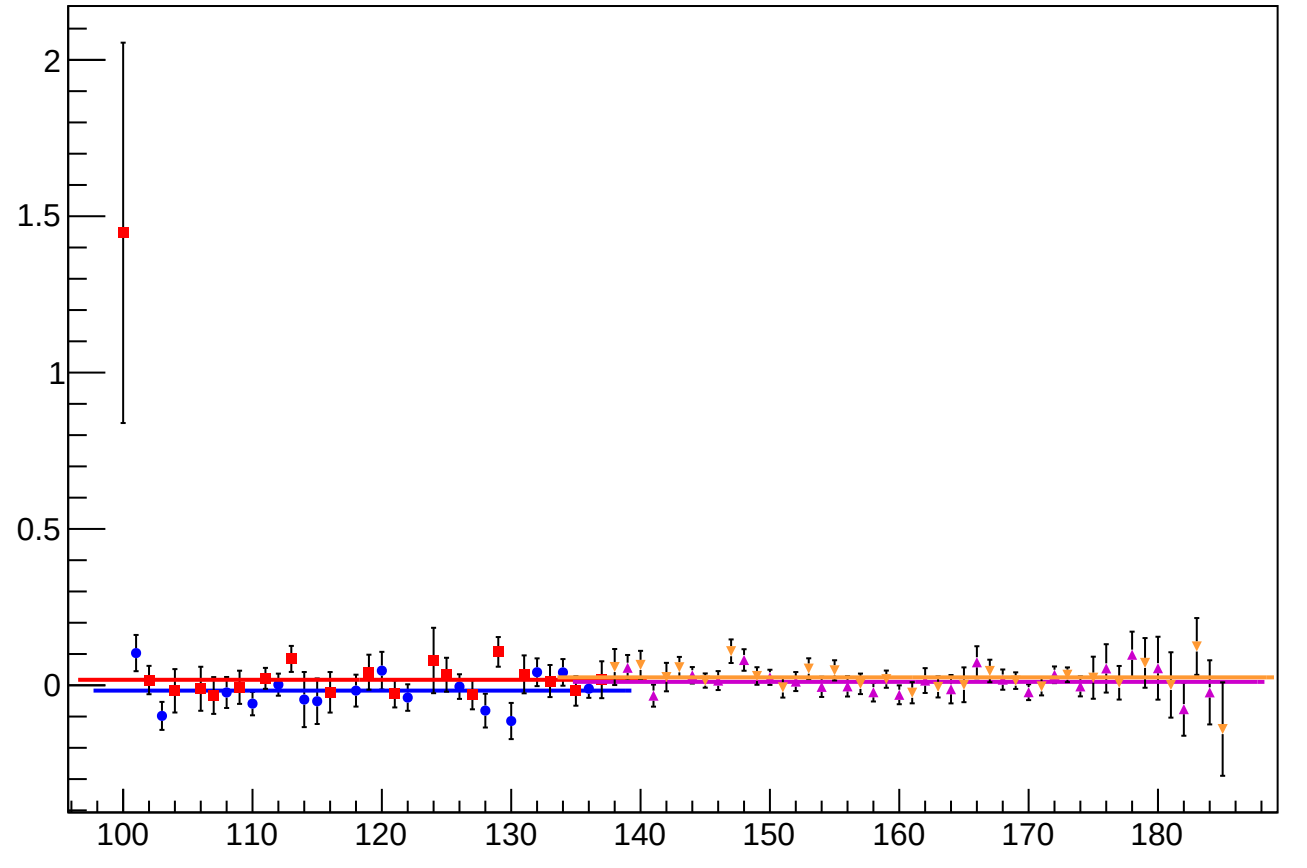
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:10964161.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:9376124.7/22
+ sign 0.001+/-0.000 χ²/NDF: 15972790.6/40
All: 0.001+/-0.000 χ²/NDF: 30283186.8/82
- sign 0.001+/-0.000 χ²/NDF: 14293841.7/41



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

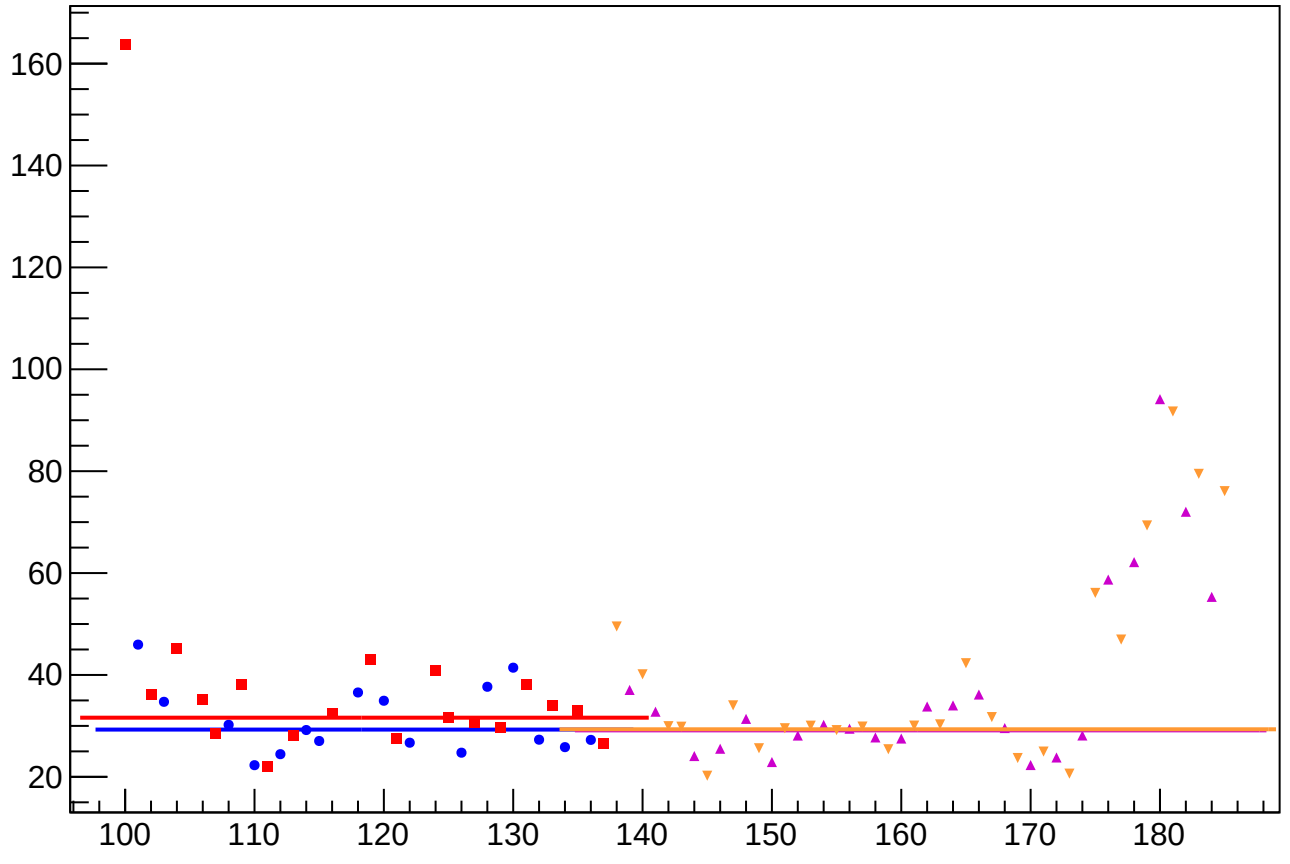
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.2/40

All: 0.013+/-0.004 χ^2/NDF: 82.2/82

- 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: 29.334+/-0.005 χ^2/NDF:3874839.0/24

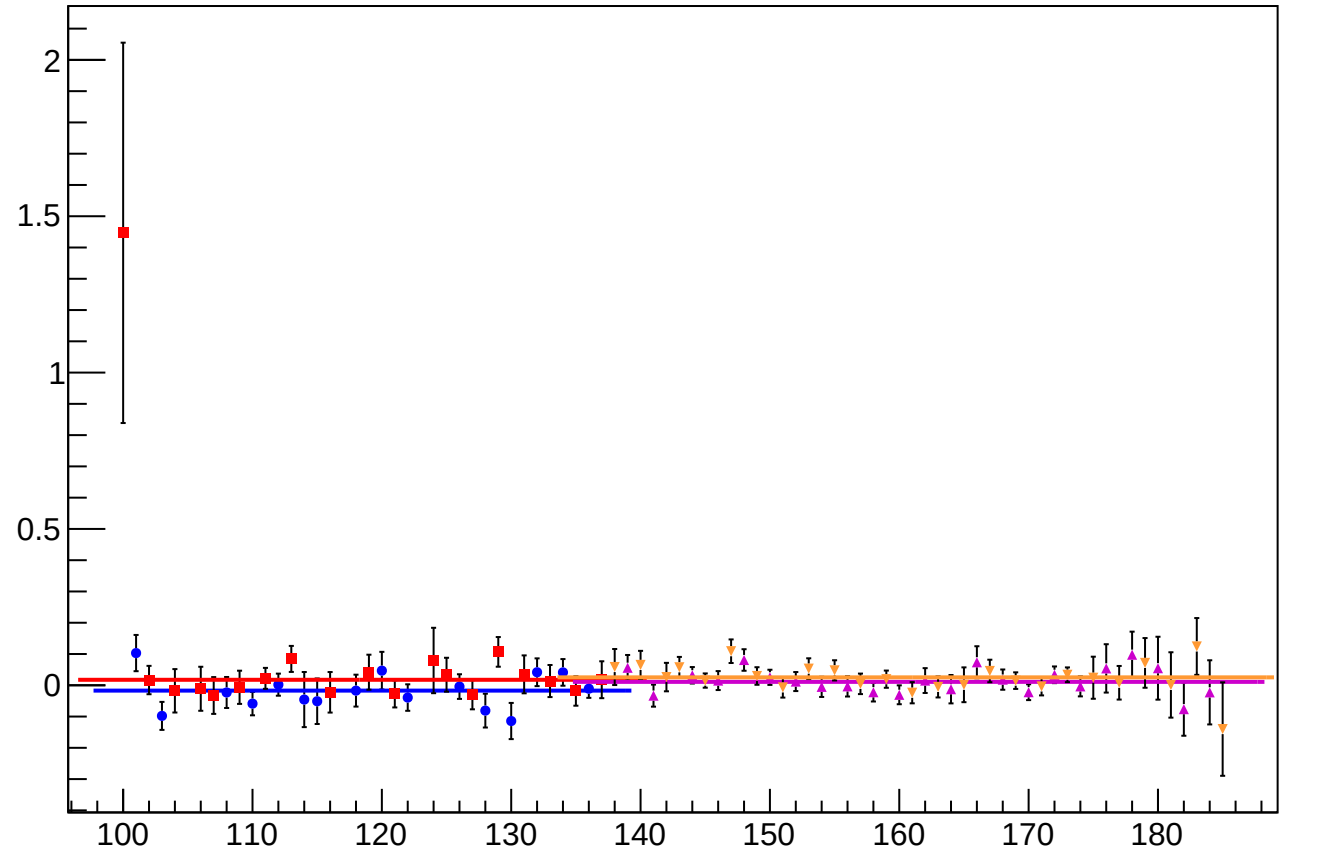
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.318+/-0.004 χ^2/NDF: 4435527.7/40

All: 29.546+/-0.003 χ^2/NDF: 7914683.6/82

- 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: 0.025+/-0.007 χ^2/NDF:17.4/24

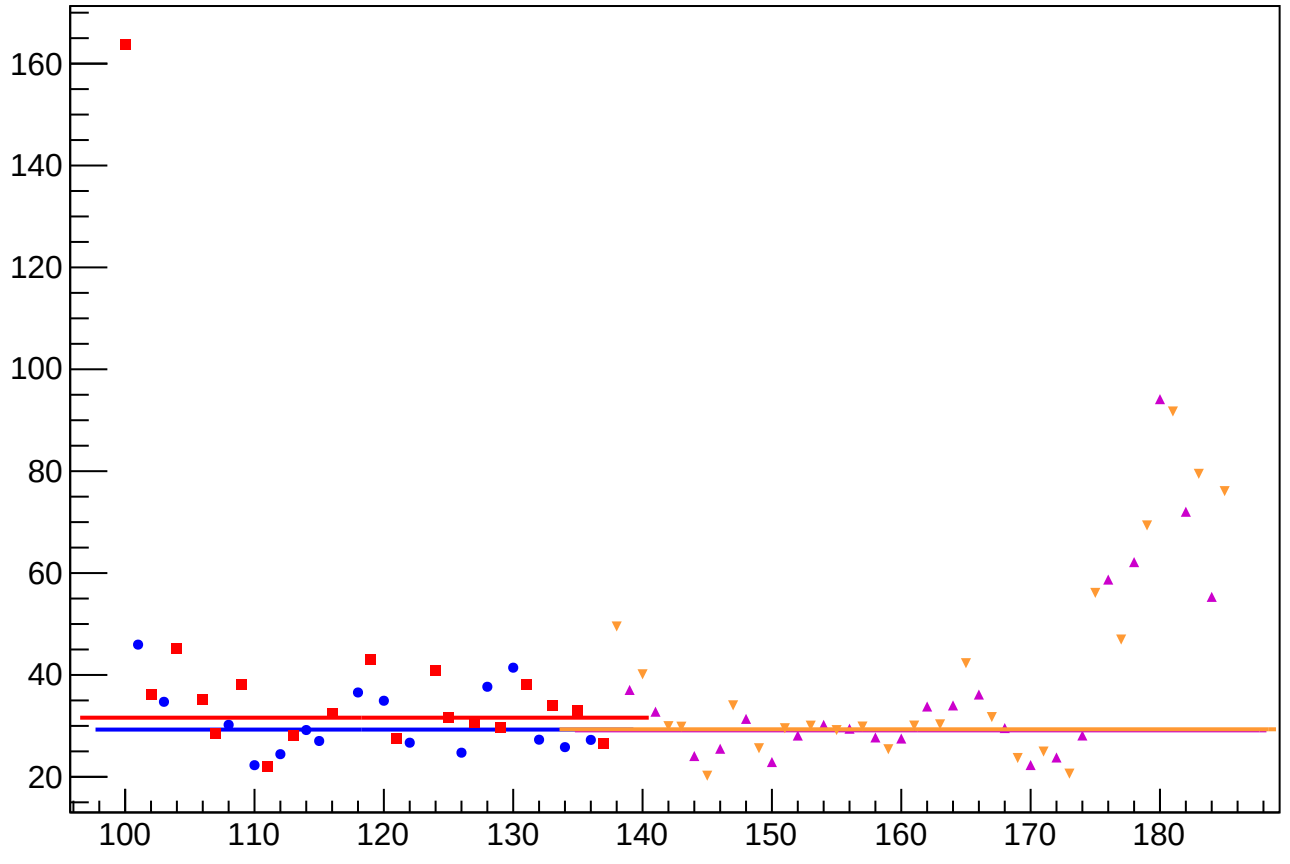
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.2/40

All: 0.013+/-0.004 χ^2/NDF: 82.2/82

- 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: 29.334+/-0.005 χ^2/NDF:3874839.0/24

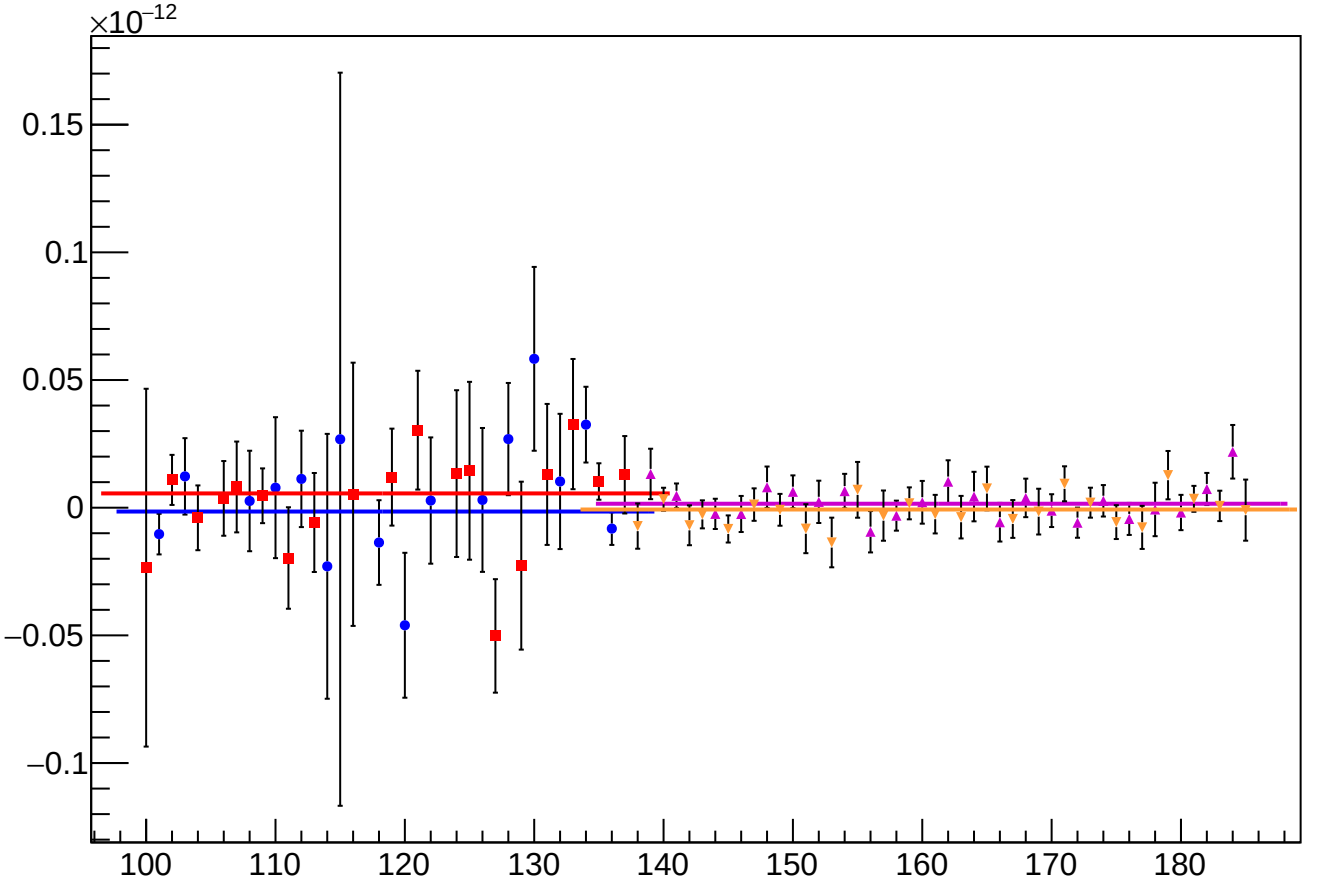
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.318+/-0.004 χ^2/NDF: 4435527.7/40

All: 29.546+/-0.003 χ^2/NDF: 7914683.6/82

- 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:15.1/24

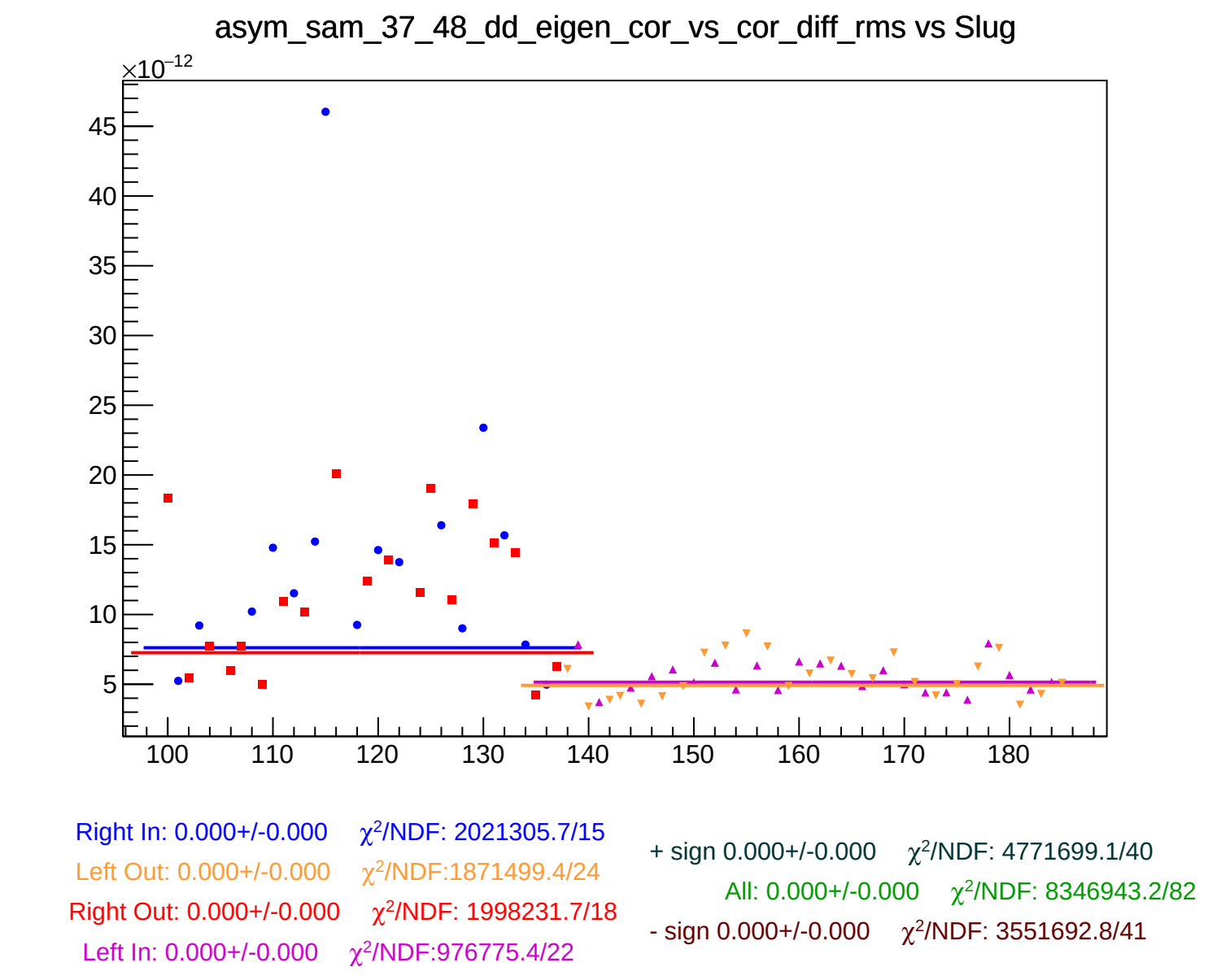
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 32.0/40

All: 0.000+/-0.000 χ^2/NDF: 65.3/82

- sign 0.000+/-0.000 χ^2/NDF: 30.9/41


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
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100
110
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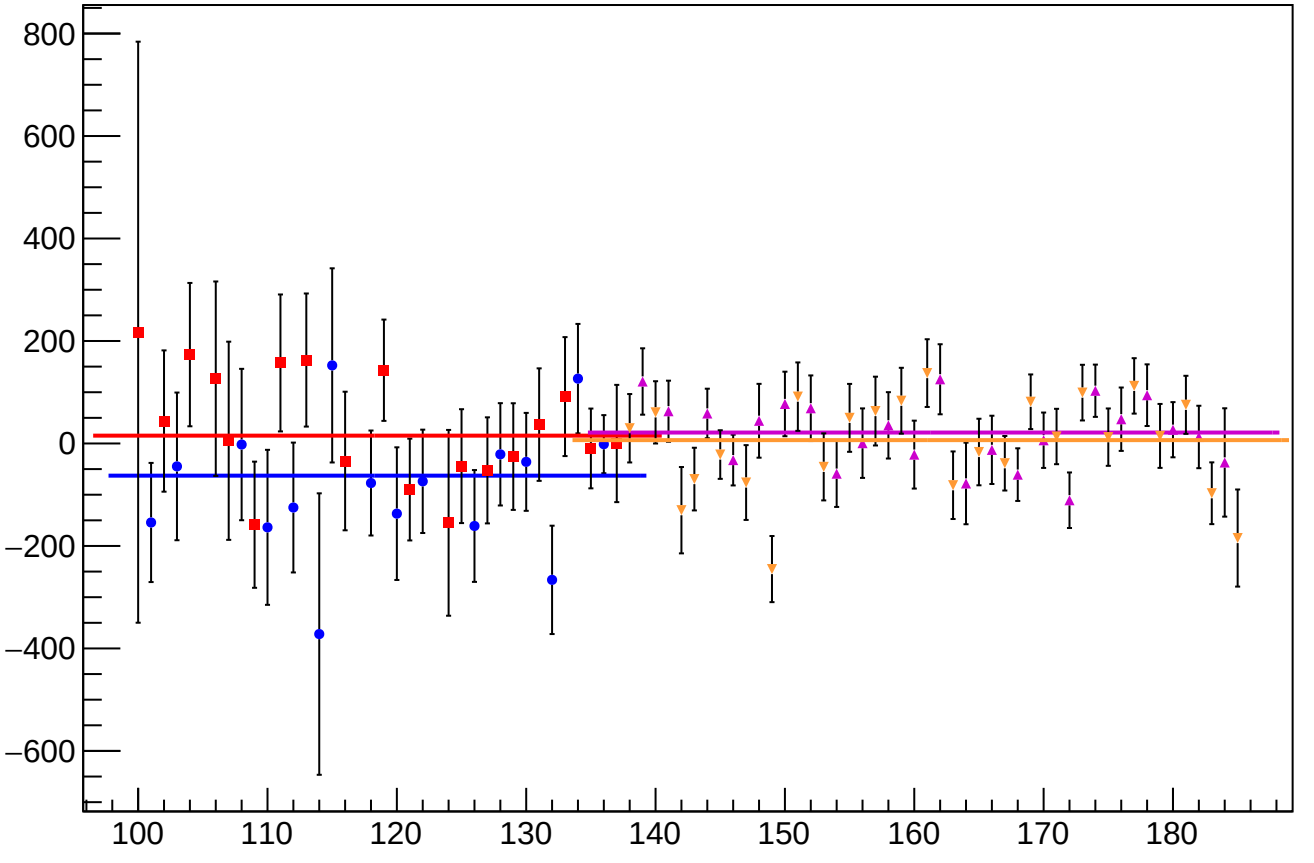
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1871499.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:976775.4/22
+ sign 0.000+/-0.000 χ²/NDF: 4771699.1/40
All: 0.000+/-0.000 χ²/NDF: 8346943.2/82
- sign 0.000+/-0.000 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: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

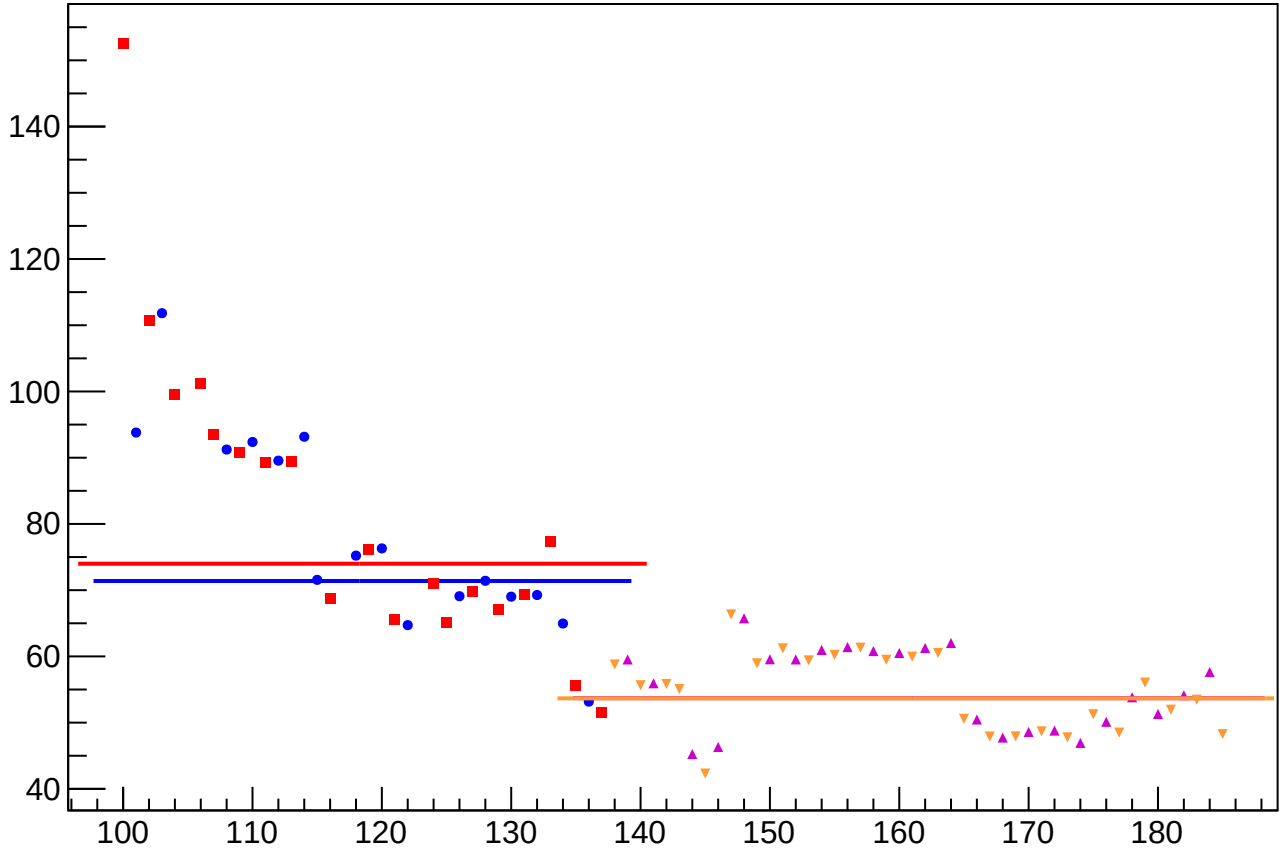
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -5.216+/-11.199 χ^2/NDF: 69.5/40

All: 7.189+/-8.027 χ^2/NDF: 108.9/82

- 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: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

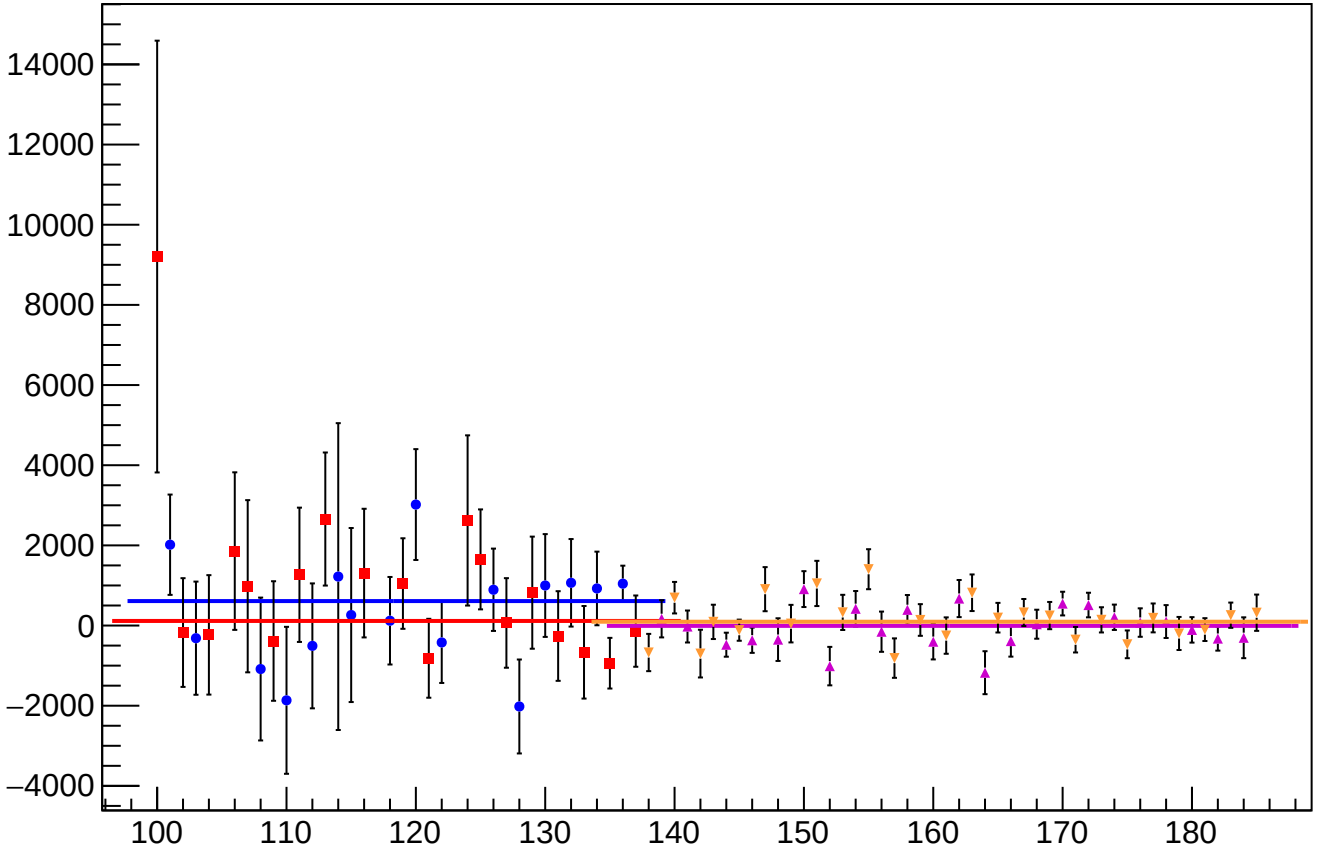
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.666+/-0.008 χ^2/NDF: 1767334.3/40

All: 56.917+/-0.006 χ^2/NDF: 3764208.9/82

- 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: 95.456+/-77.134 χ^2/NDF:33.2/24

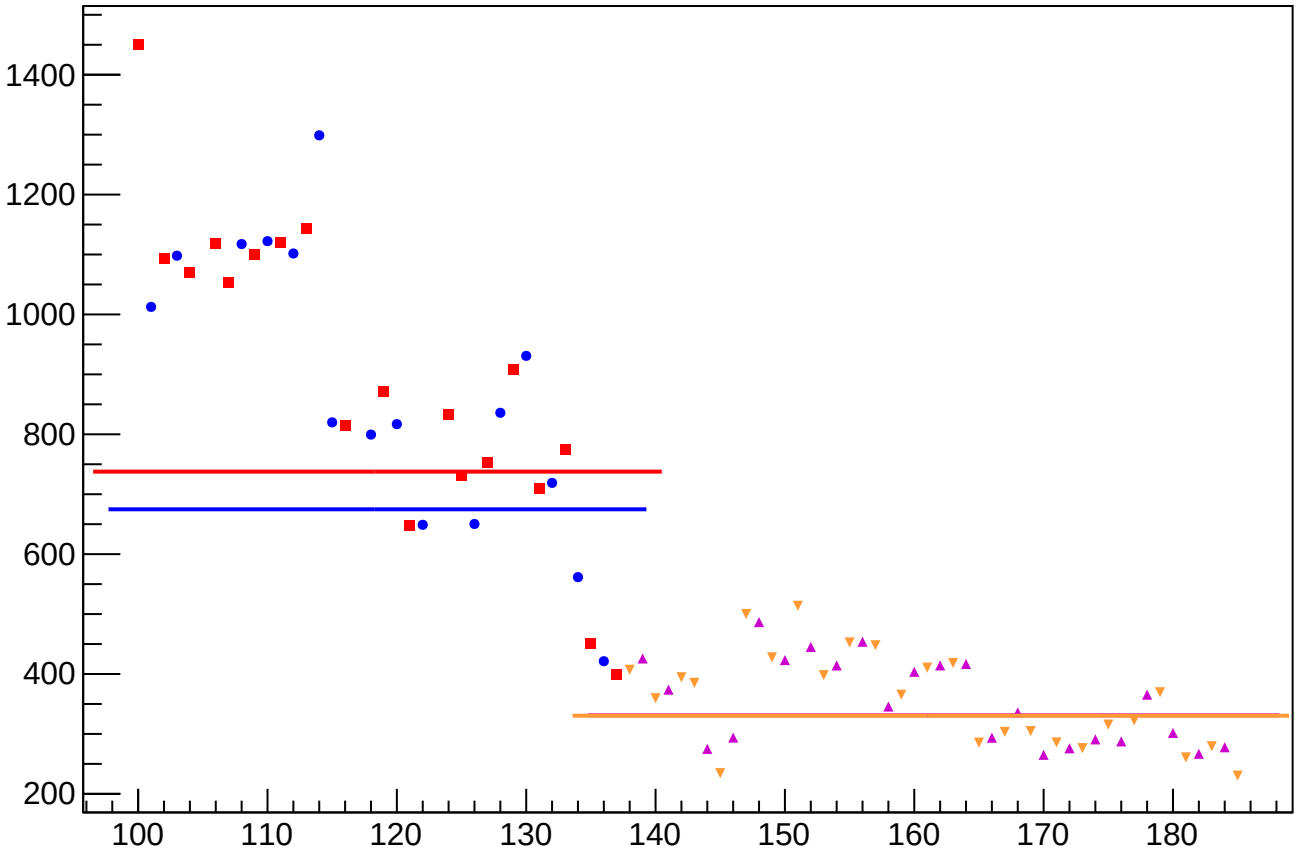
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 135.189+/-74.100 χ^2/NDF: 52.3/40

All: 69.959+/-53.133 χ^2/NDF: 102.0/82

- sign 0.928+/-76.228 χ^2/NDF: 48.0/41



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

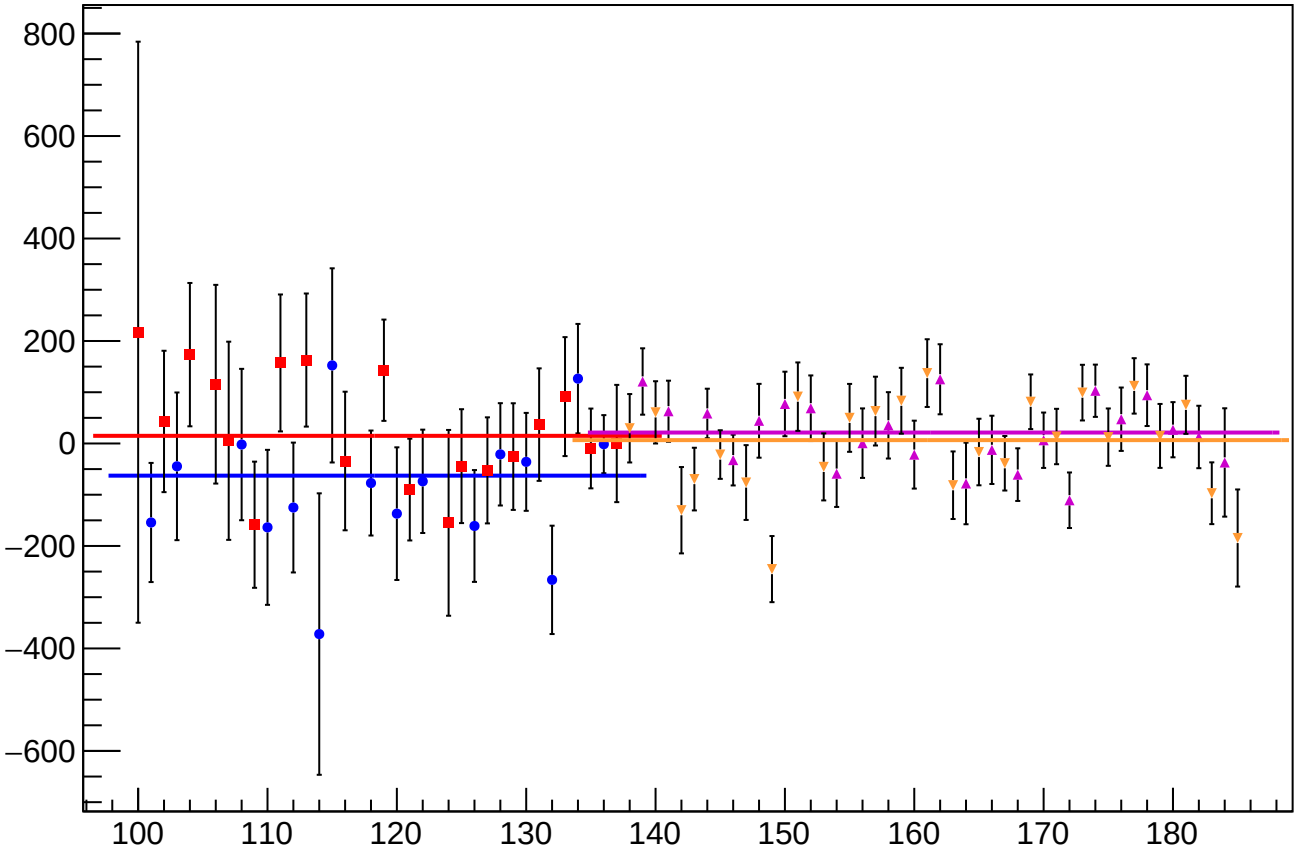
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 356.973+/-0.052 χ^2/NDF: 6446016.6/40

All: 358.584+/-0.038 χ^2/NDF: 13087043.1/82

- 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: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

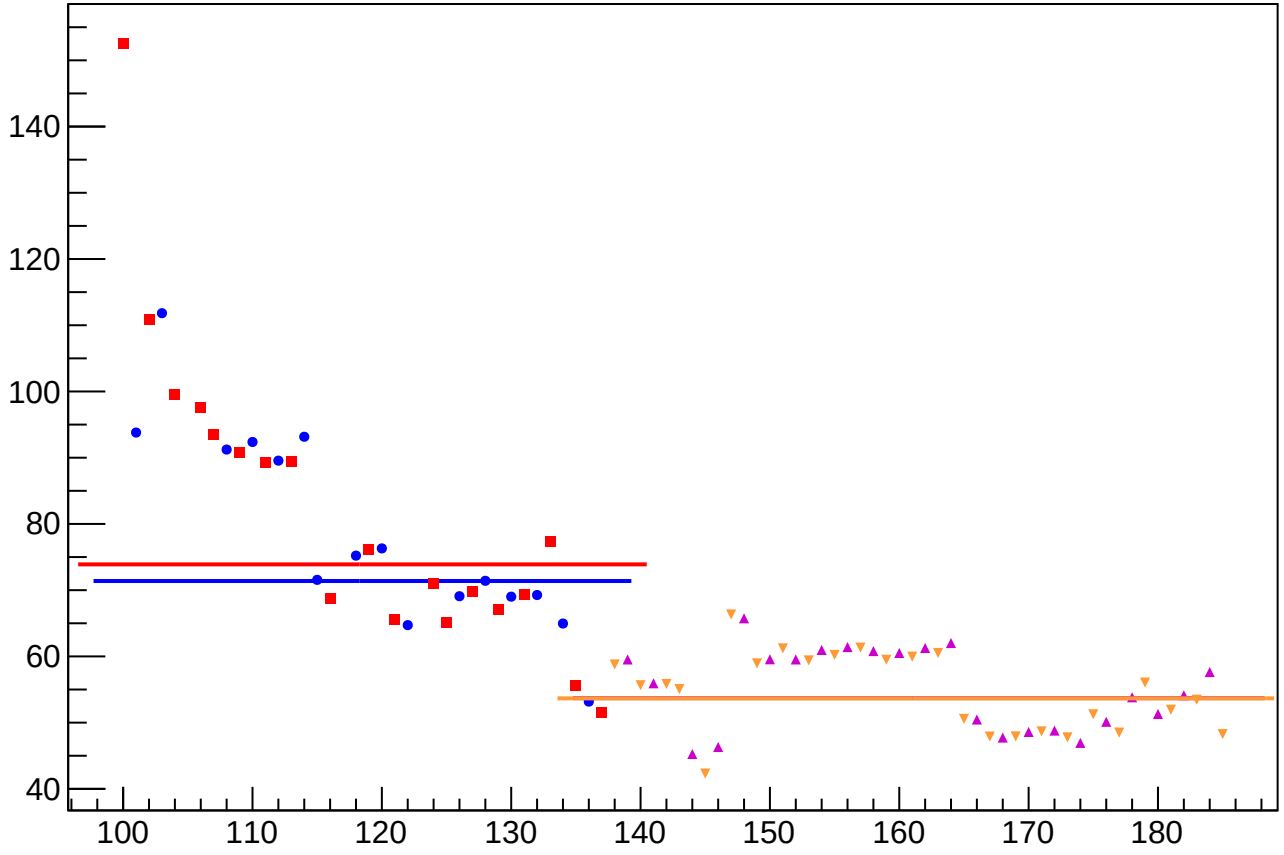
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

\+ sign -5.212+/-11.199 χ^2/NDF: 69.5/40

All: 7.160+/-8.027 χ^2/NDF: 108.8/82

\- 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: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

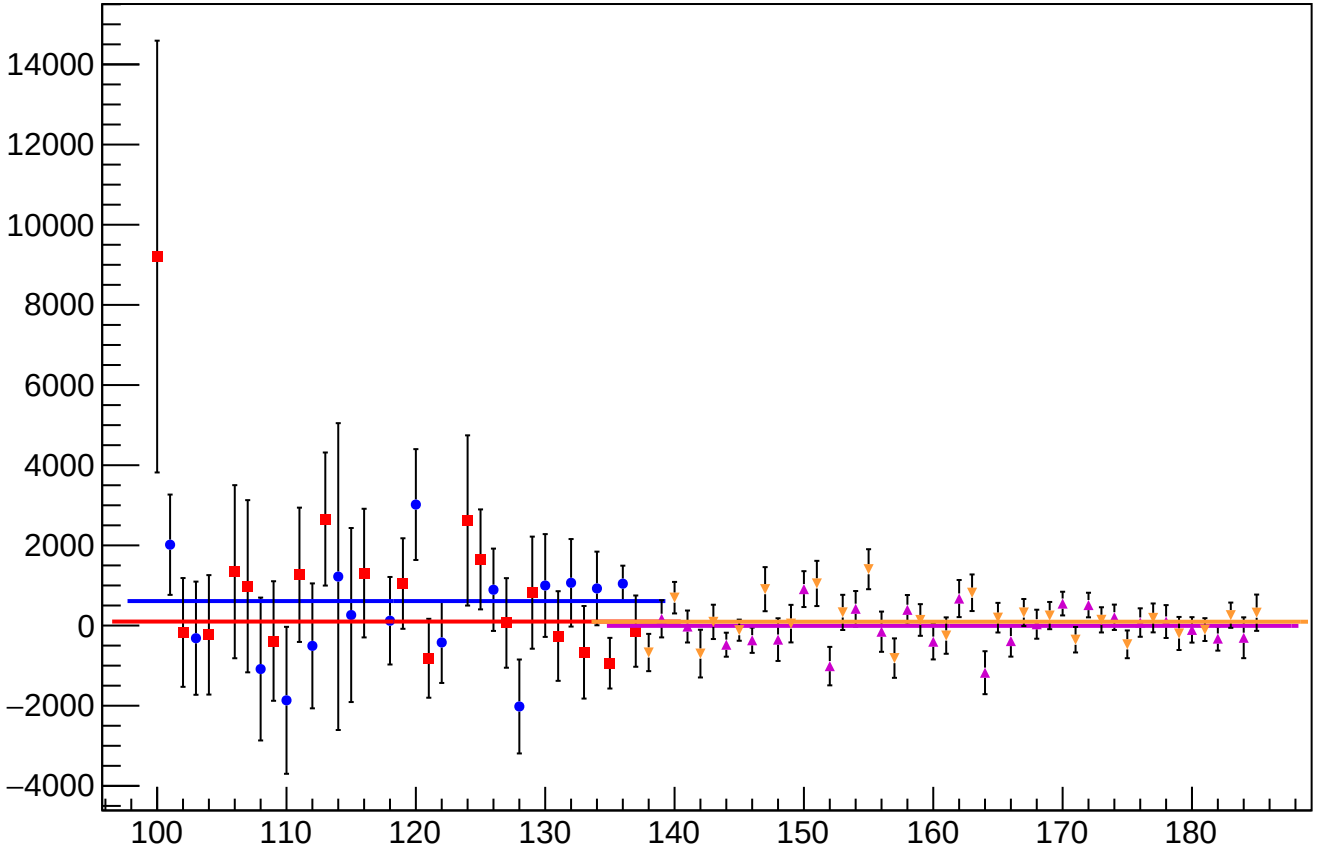
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.666+/-0.008 χ^2/NDF: 1767336.8/40

All: 56.907+/-0.006 χ^2/NDF: 3743255.7/82

- 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: 95.458+/-77.134 χ^2/NDF:33.2/24

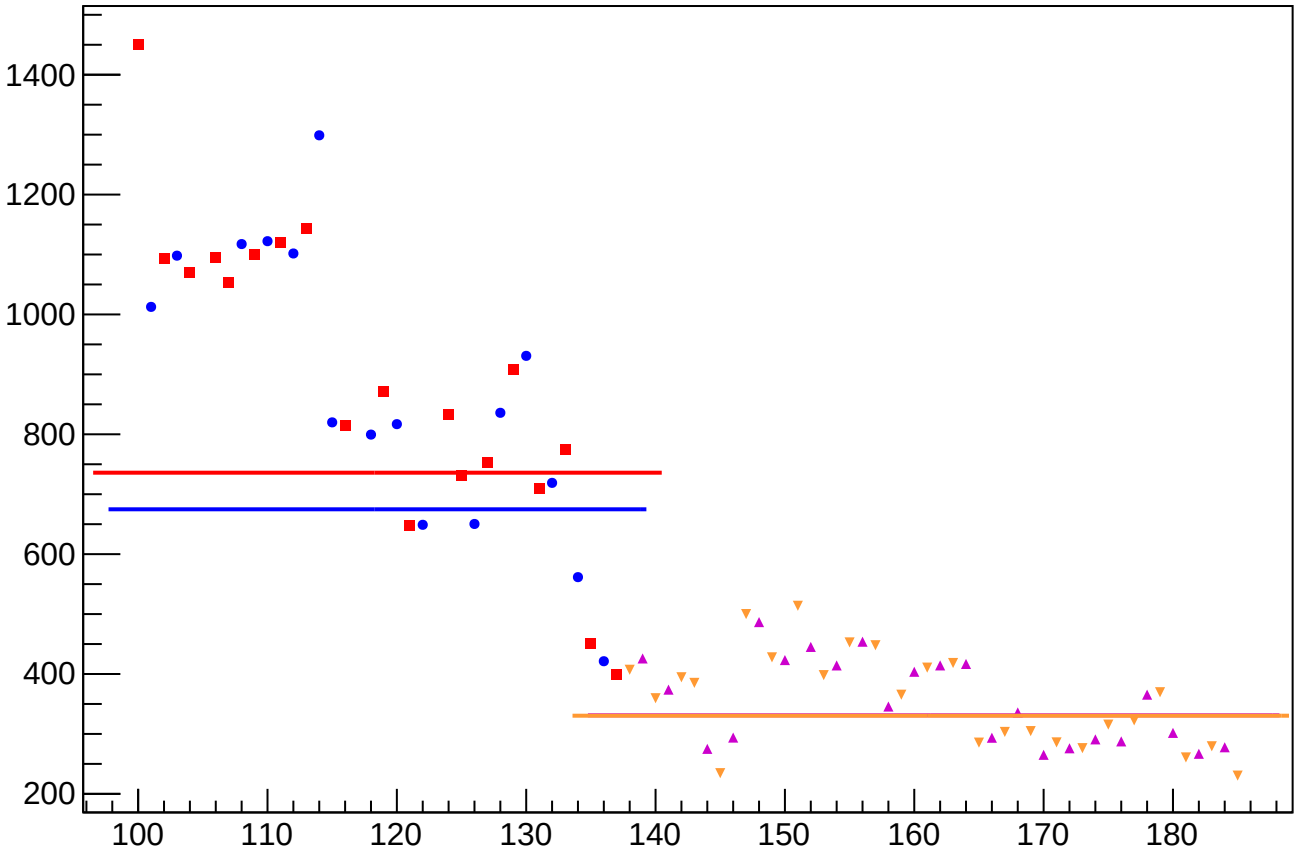
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.190+/-74.100 χ^2/NDF: 52.3/40

All: 69.431+/-53.136 χ^2/NDF: 101.5/82

- 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: 330.405+/-0.055 χ^2/NDF:1752469.2/24

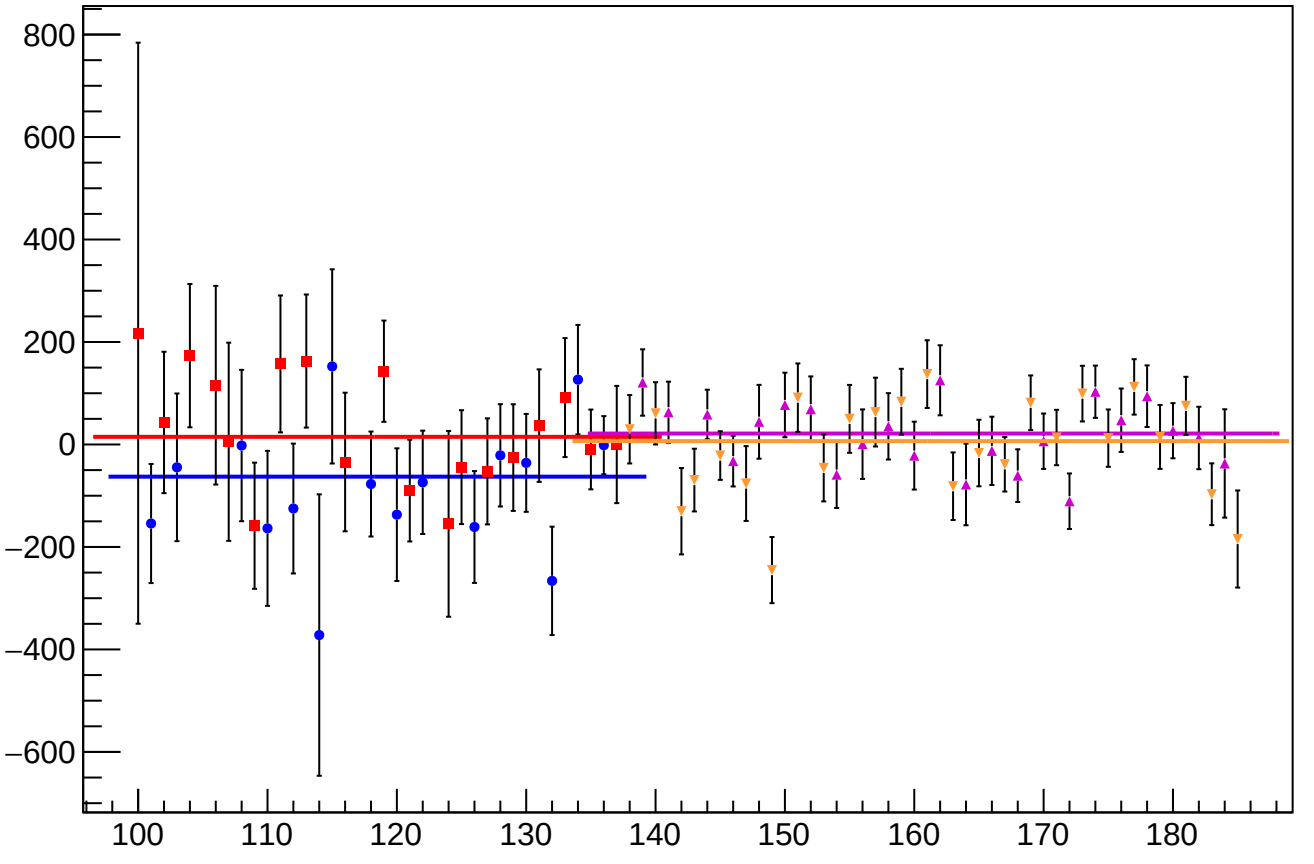
Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 356.973+/-0.052 χ^2/NDF: 6446036.2/40

All: 358.474+/-0.038 χ^2/NDF: 13021619.0/82

- 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: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

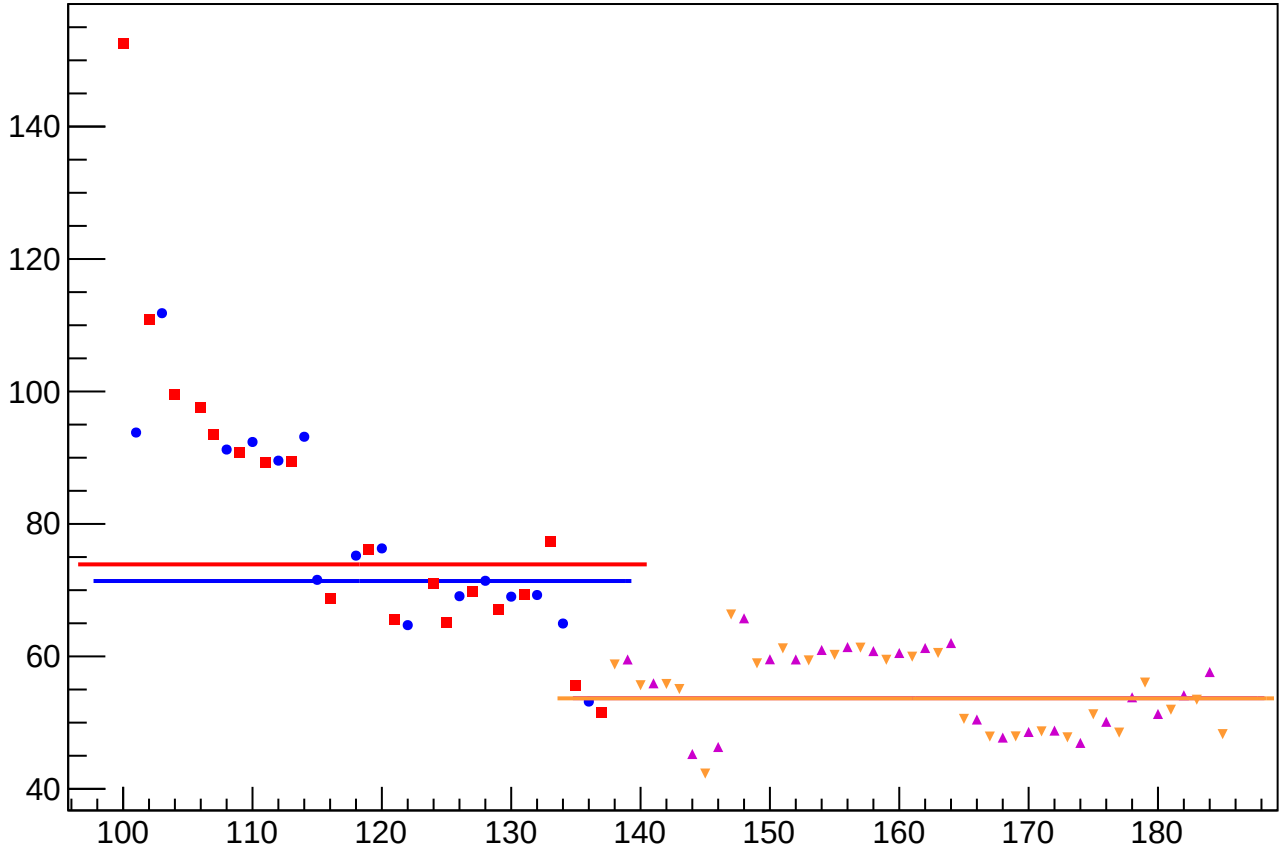
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.212+/-11.199 χ^2/NDF: 69.5/40

All: 7.160+/-8.027 χ^2/NDF: 108.8/82

- 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: 53.666+/-0.009 χ^2/NDF:472206.8/24

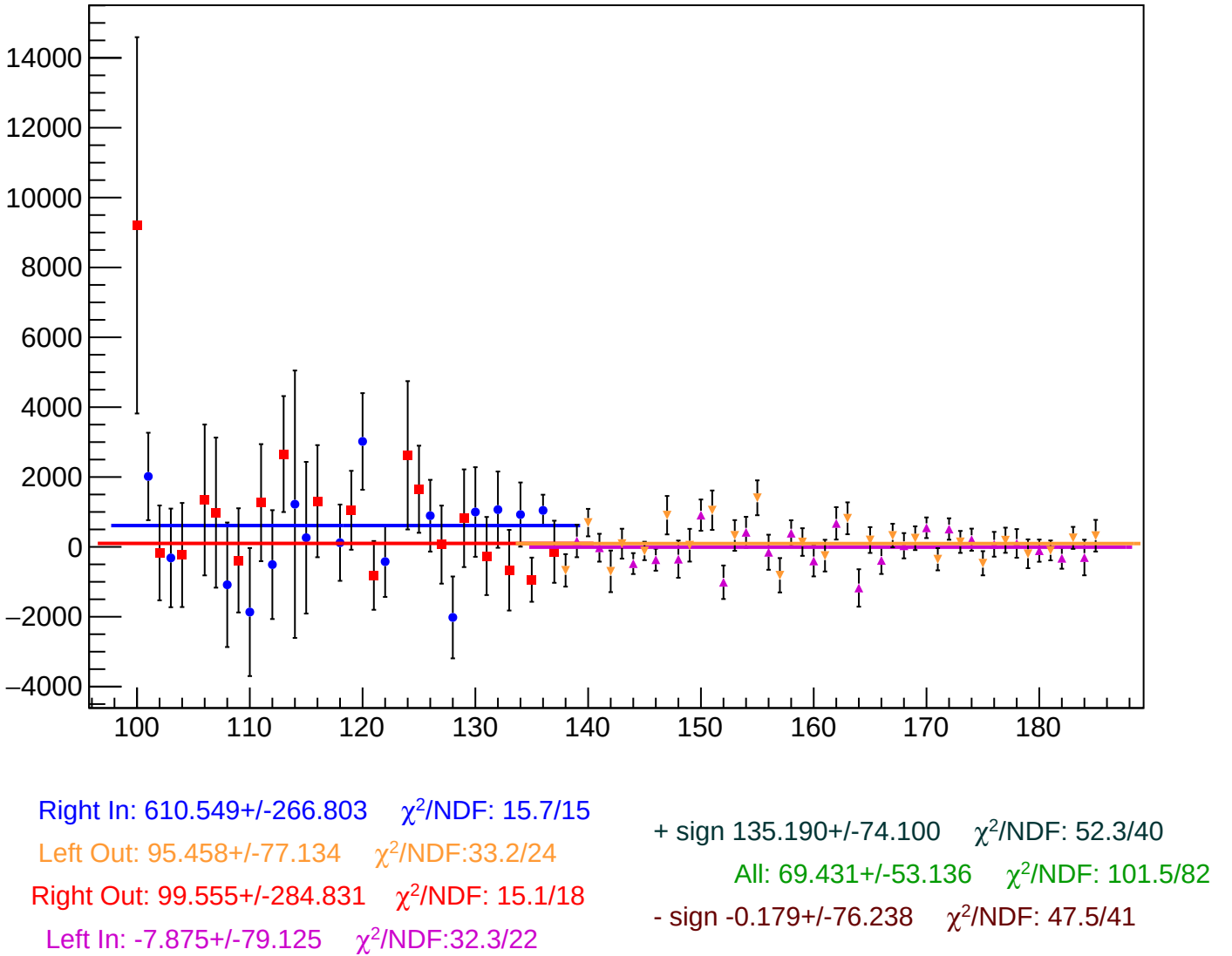
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

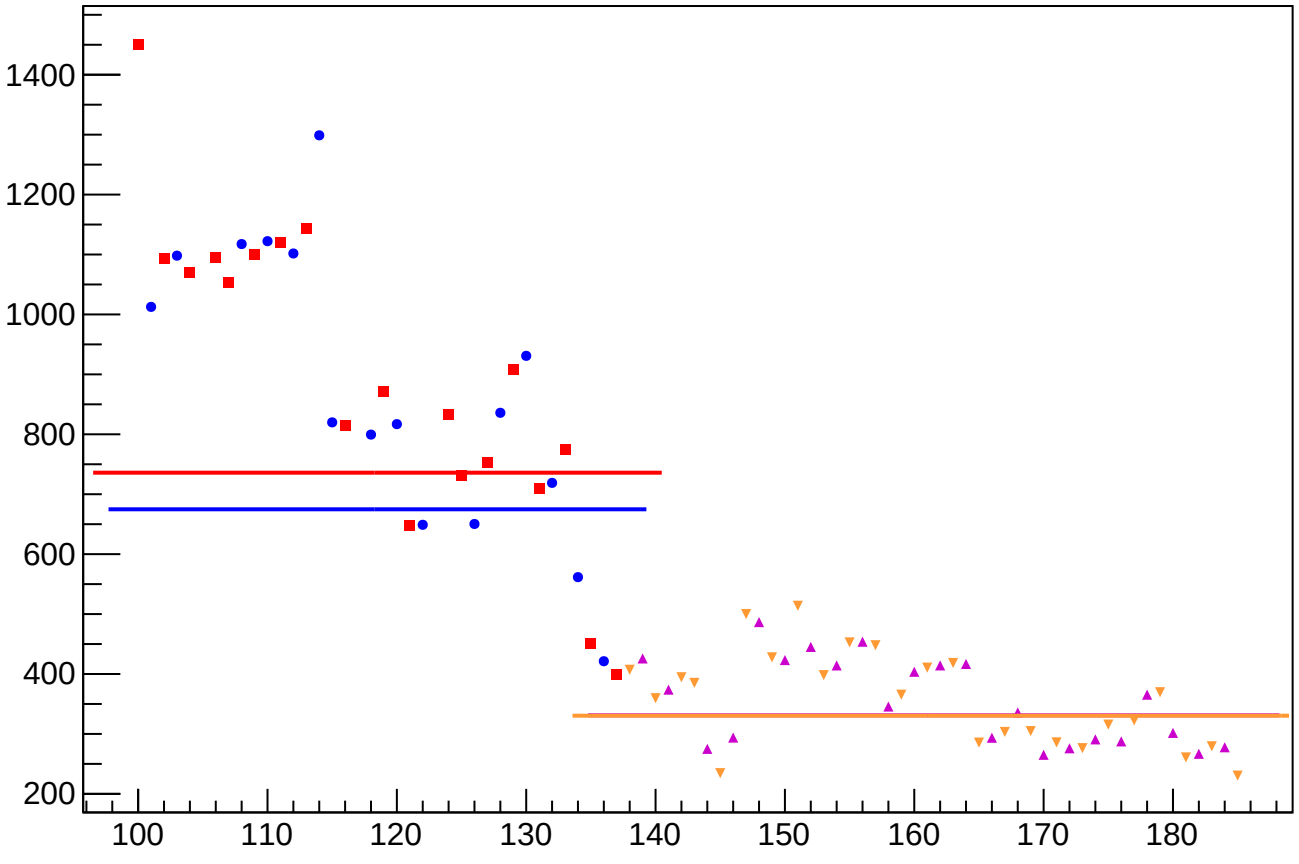
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.666+/-0.008 χ^2/NDF: 1767336.8/40

All: 56.907+/-0.006 χ^2/NDF: 3743255.7/82

- sign 57.163+/-0.008 χ^2/NDF: 1974005.6/41


asym_sam_15_26_dd_eigen_cor_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: 610.549+/-266.803 χ²/NDF: 15.7/15
Left Out: 95.458+/-77.134 χ²/NDF:33.2/24
Right Out: 99.555+/-284.831 χ²/NDF: 15.1/18
Left In: -7.875+/-79.125 χ²/NDF:32.3/22
+ sign 135.190+/-74.100 χ²/NDF: 52.3/40
All: 69.431+/-53.136 χ²/NDF: 101.5/82
- sign -0.179+/-76.238 χ²/NDF: 47.5/41



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

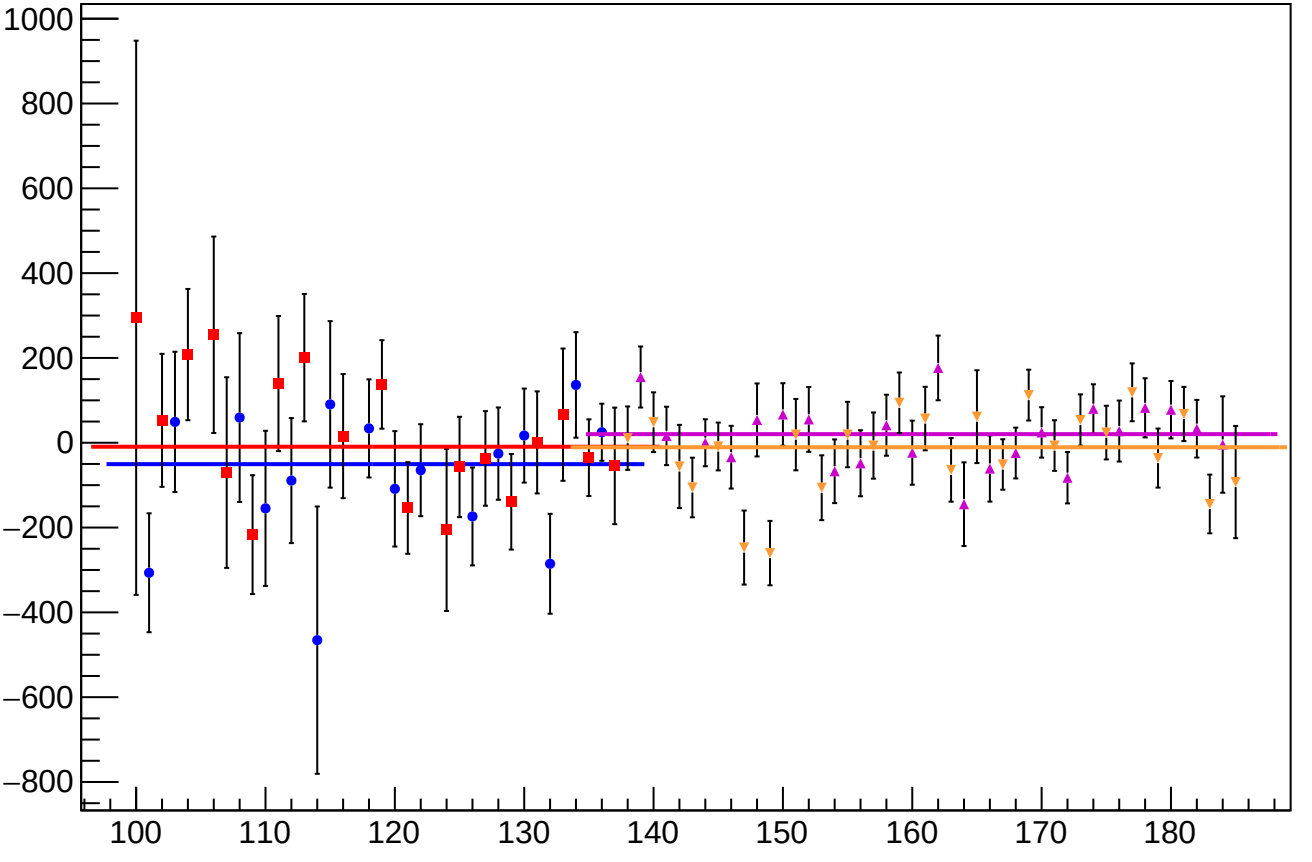
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 356.973+/-0.052 χ^2/NDF: 6446036.2/40

All: 358.474+/-0.038 χ^2/NDF: 13021619.0/82

- 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: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

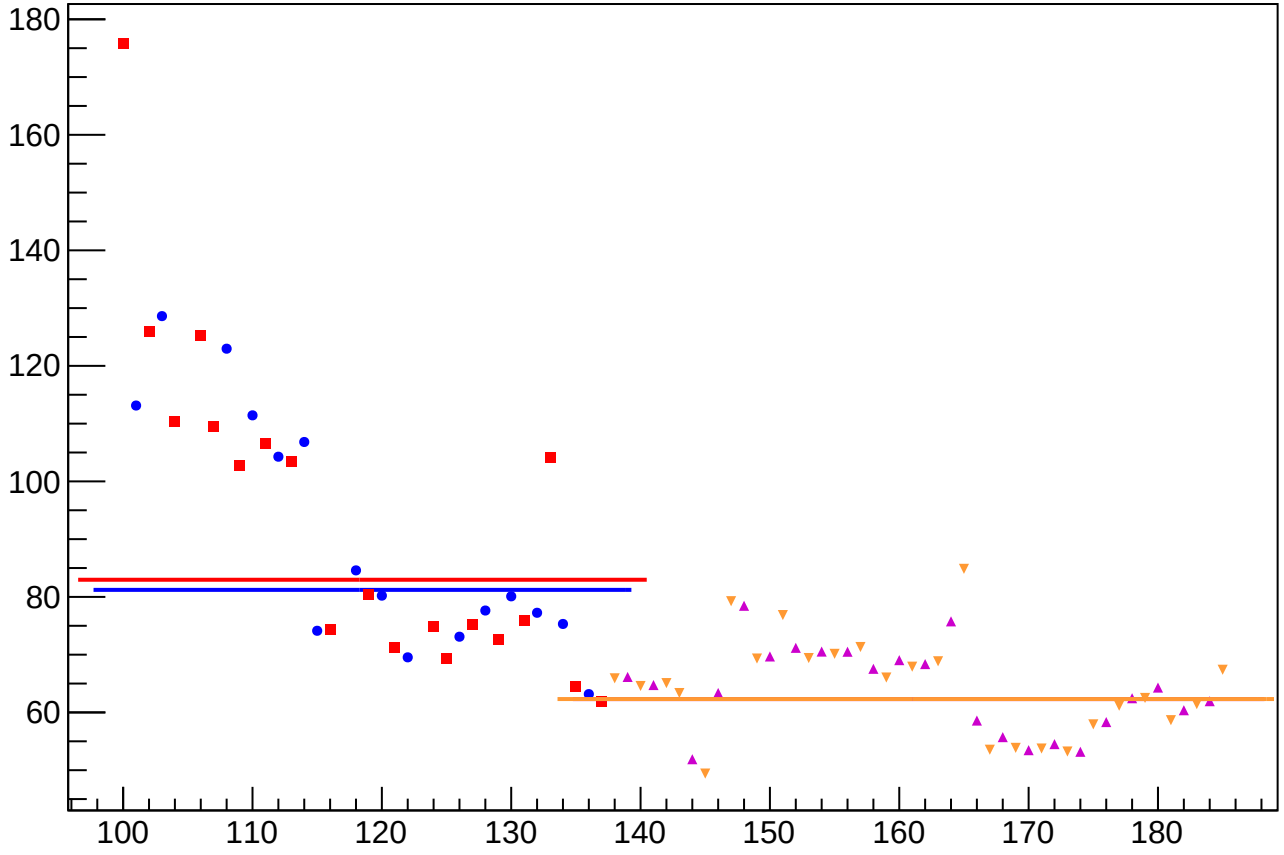
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.592+/-12.998 χ^2/NDF: 60.0/40

All: -1.769+/-9.309 χ^2/NDF: 101.0/82

- 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: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

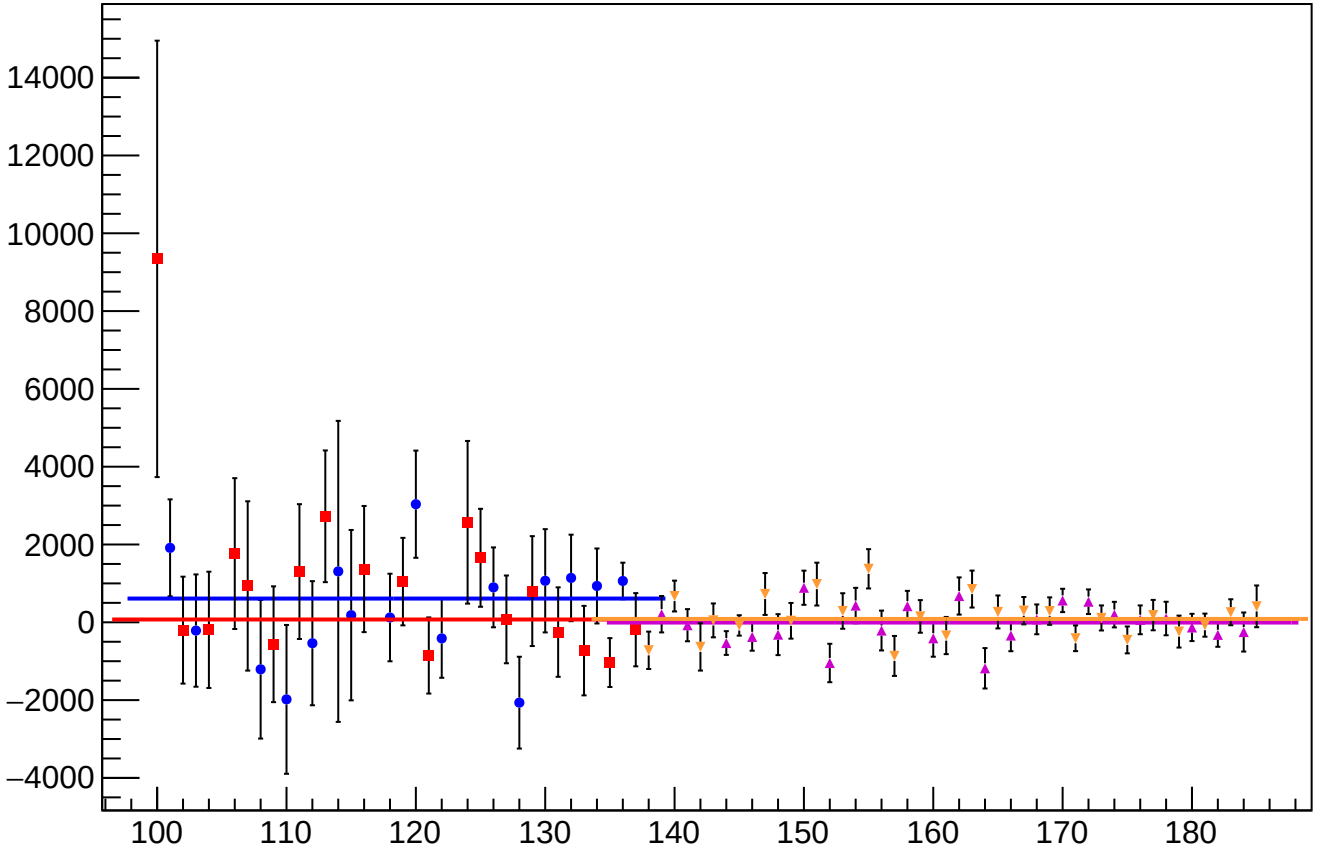
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 65.626+/-0.009 χ^2/NDF: 1910080.4/40

All: 65.846+/-0.007 χ^2/NDF: 3841691.8/82

- sign 66.078+/-0.009 χ^2/NDF: 1930435.0/41

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

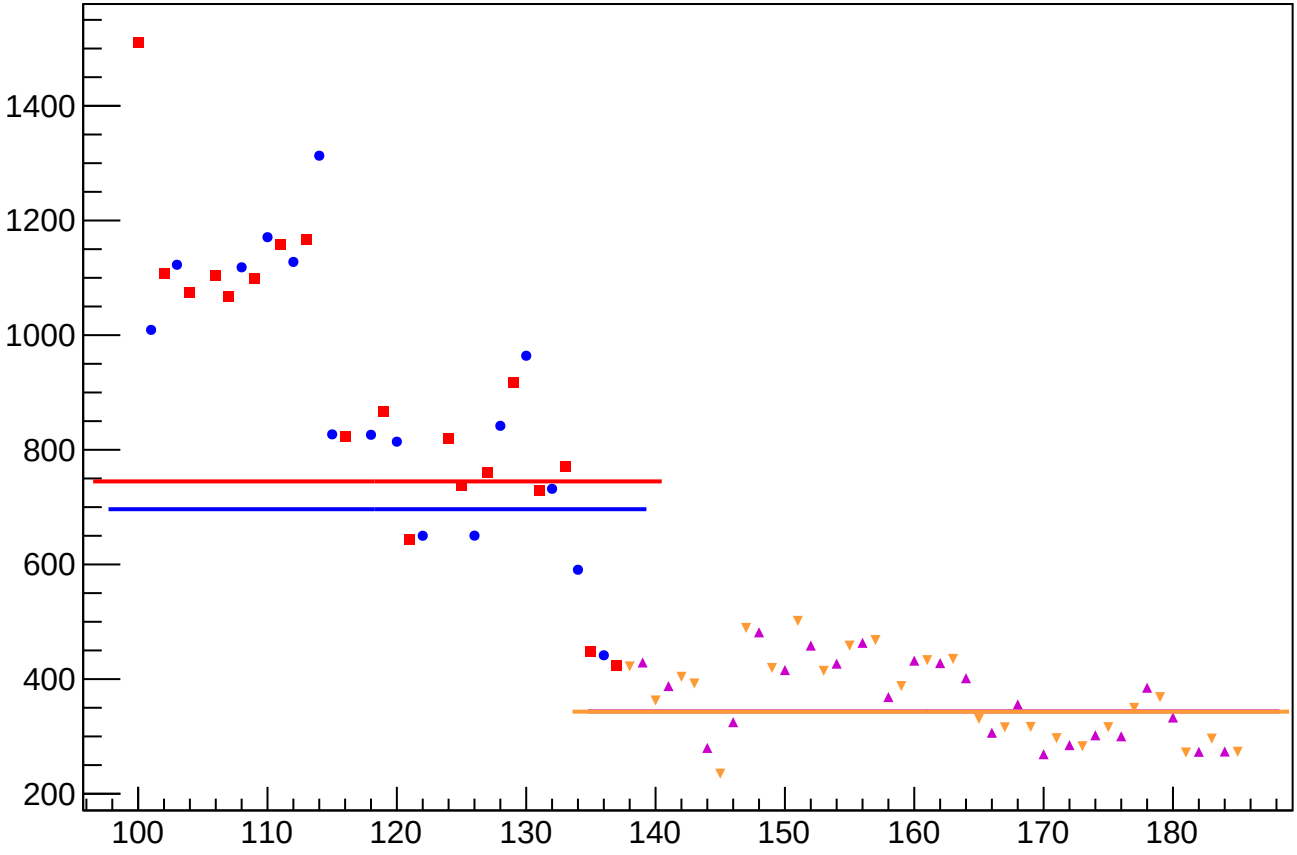
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.948+/-76.649 χ^2/NDF: 50.8/40

All: 65.602+/-54.991 χ^2/NDF: 100.8/82

- sign -0.528+/-78.940 χ^2/NDF: 48.7/41

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

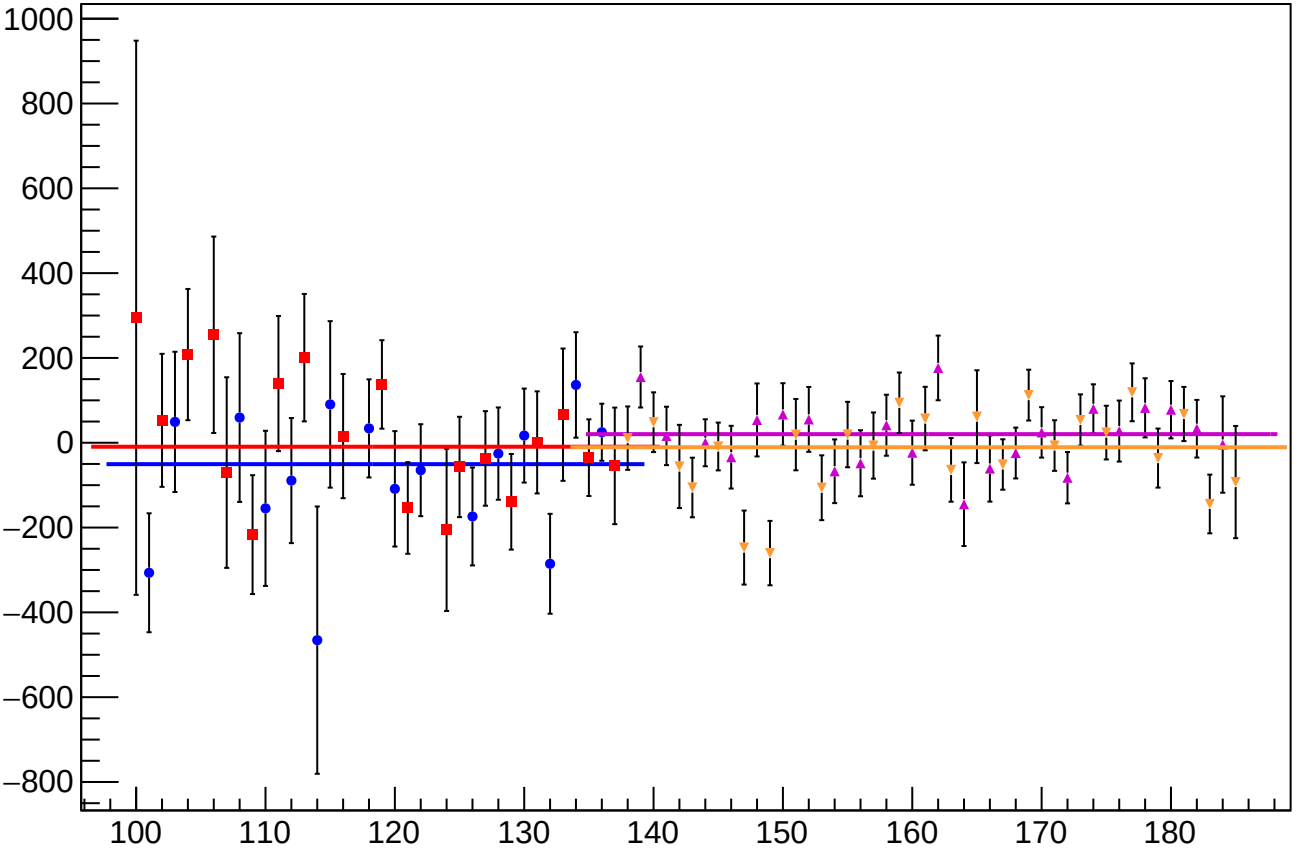
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 370.864+/-0.054 χ^2/NDF: 6173548.6/40

All: 372.435+/-0.039 χ^2/NDF: 12547816.7/82

- 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: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

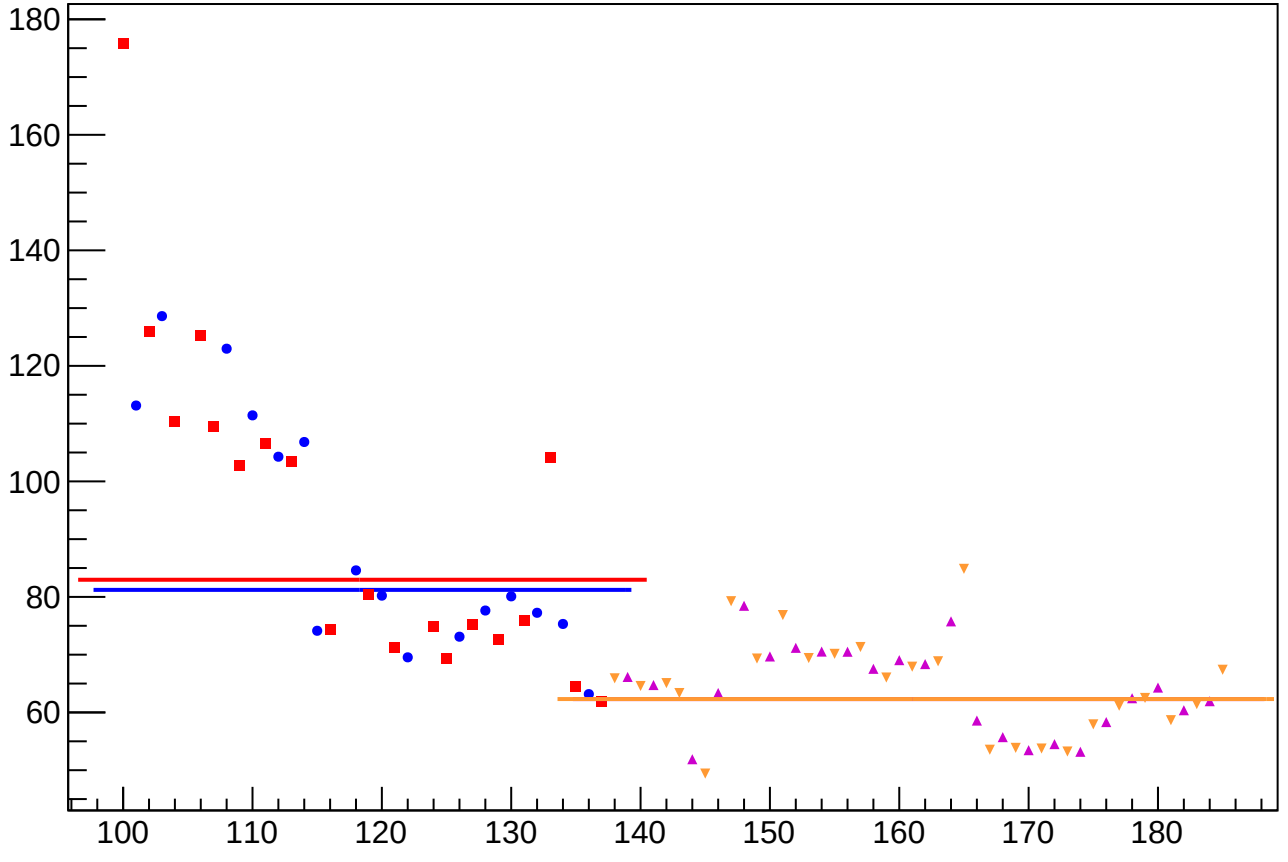
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.591+/-12.998 χ^2/NDF: 60.0/40

All: -1.769+/-9.309 χ^2/NDF: 101.0/82

- 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: 62.316+/-0.010 χ^2/NDF:636268.2/24

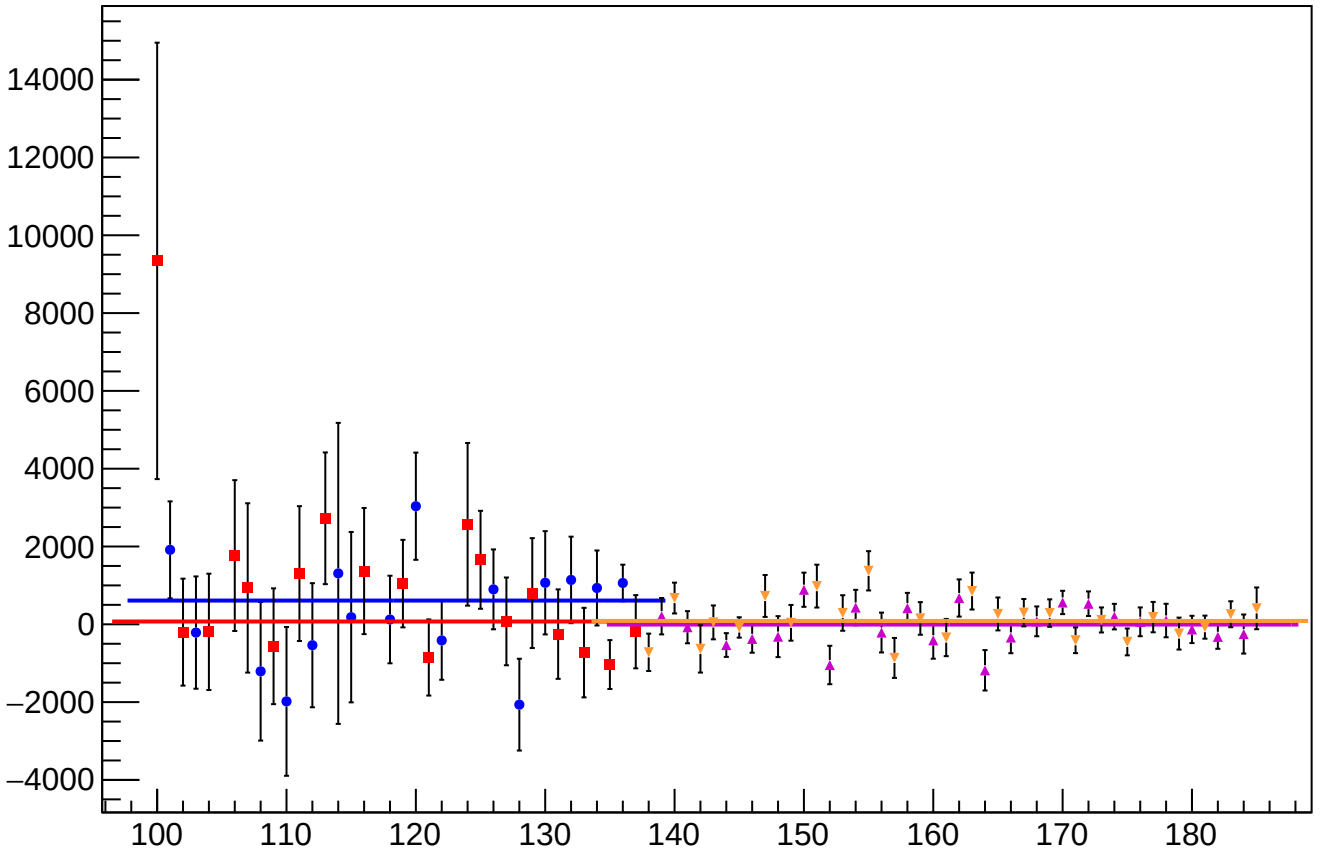
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 65.626+/-0.009 χ^2/NDF: 1910039.0/40

All: 65.846+/-0.007 χ^2/NDF: 3841606.3/82

- 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: 86.985+/-79.837 χ^2/NDF:31.7/24

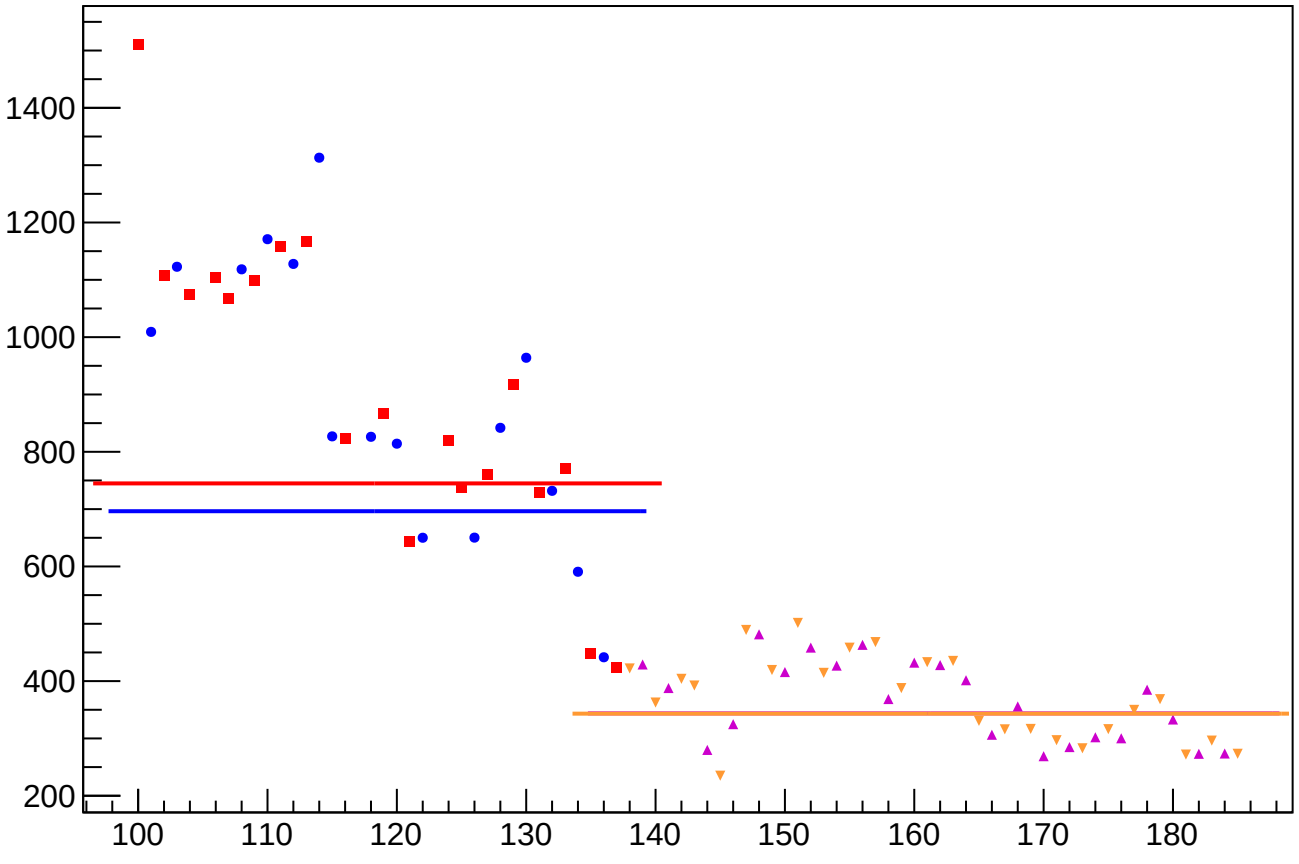
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.949+/-76.649 χ^2/NDF: 50.8/40

All: 65.602+/-54.991 χ^2/NDF: 100.8/82

- 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: 343.225+/-0.056 χ^2/NDF:1595415.4/24

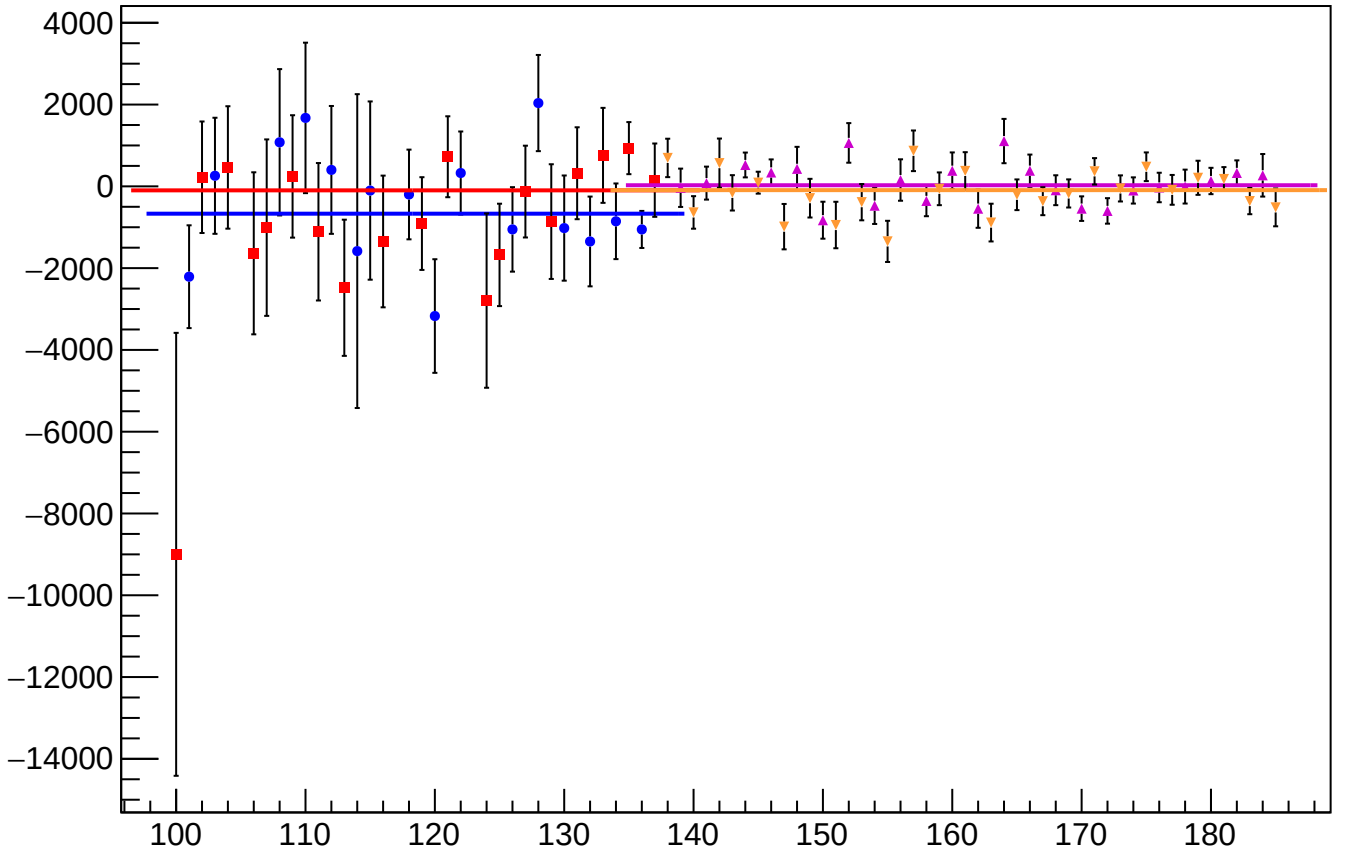
Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 370.864+/-0.054 χ^2/NDF: 6173547.3/40

All: 372.435+/-0.039 χ^2/NDF: 12547808.1/82

- sign 374.102+/-0.056 χ^2/NDF: 6372528.7/41



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

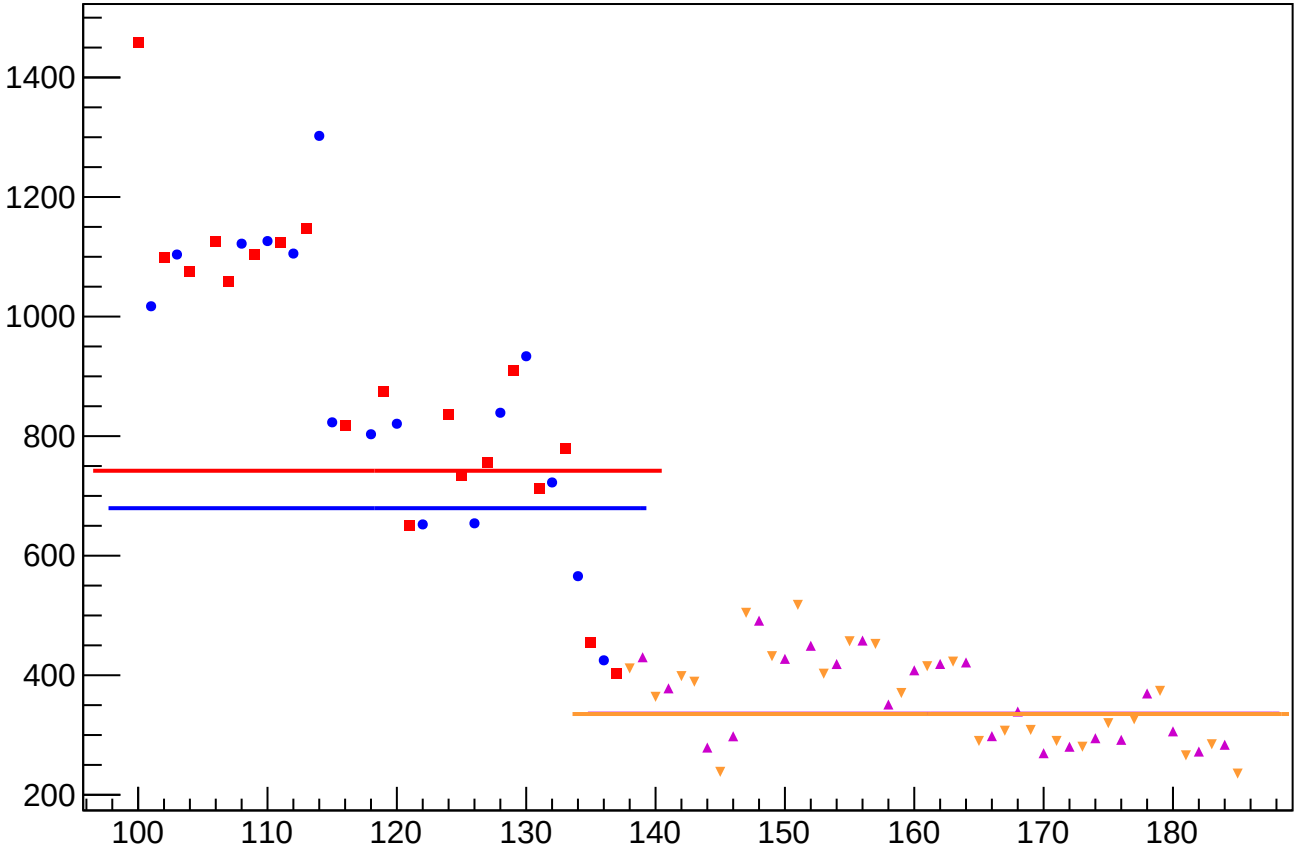
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -137.695+/-75.065 χ^2/NDF: 54.6/40

All: -62.036+/-53.827 χ^2/NDF: 102.6/82

- 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: 335.150+/-0.055 χ^2/NDF:1706014.2/24

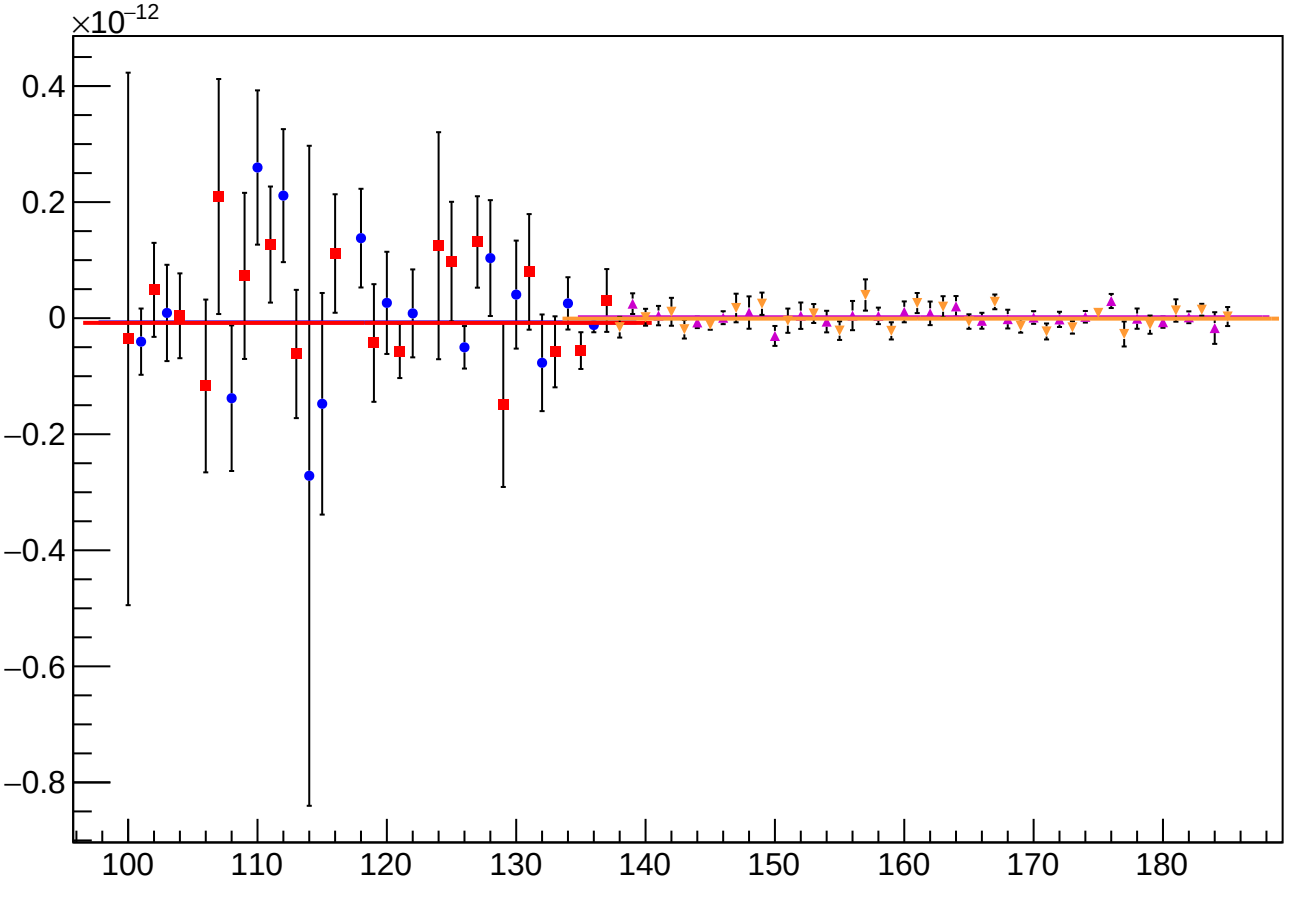
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 362.072+/-0.053 χ^2/NDF: 6339845.1/40

All: 363.706+/-0.038 χ^2/NDF: 12882381.4/82

- 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:33.3/24

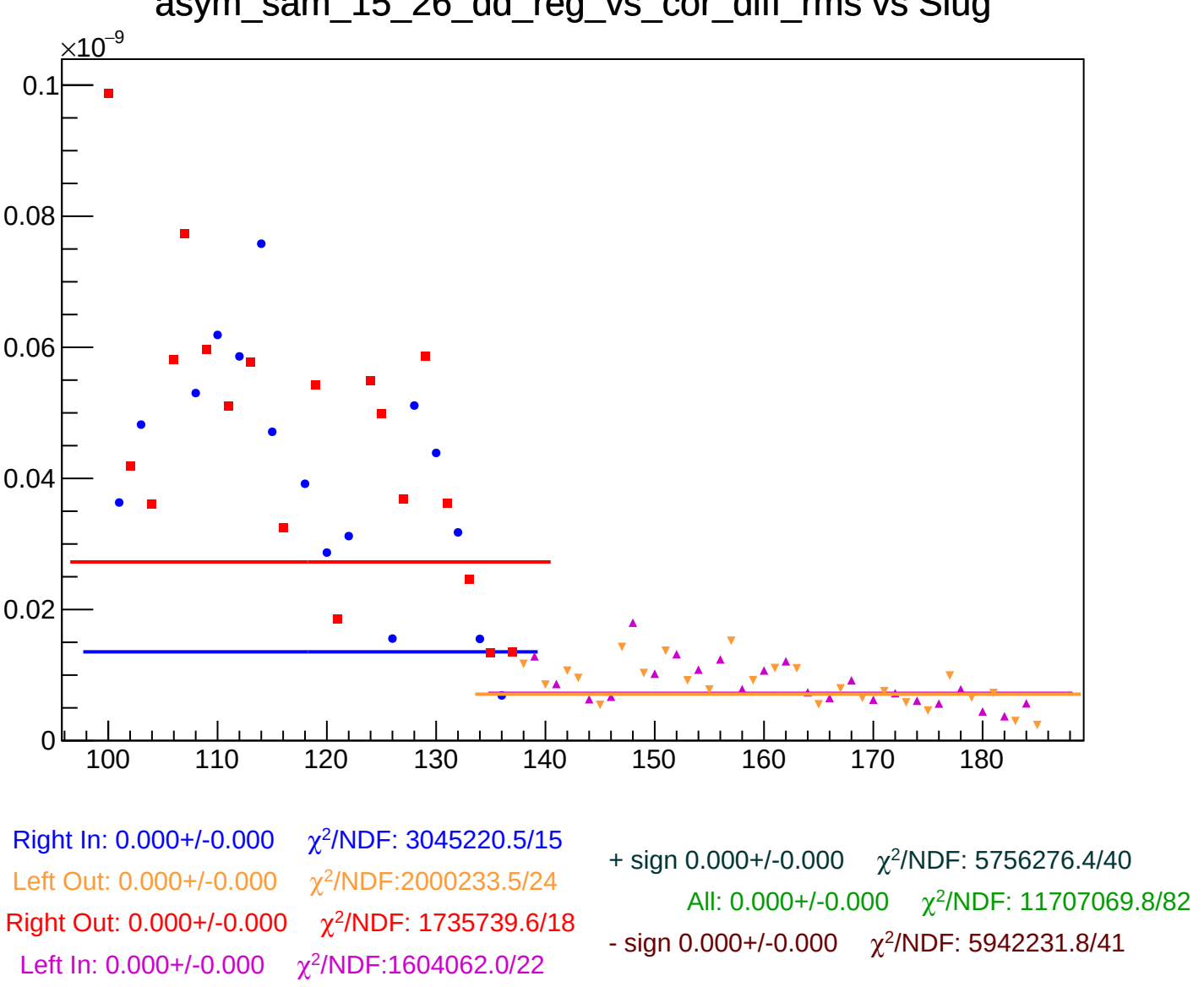
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

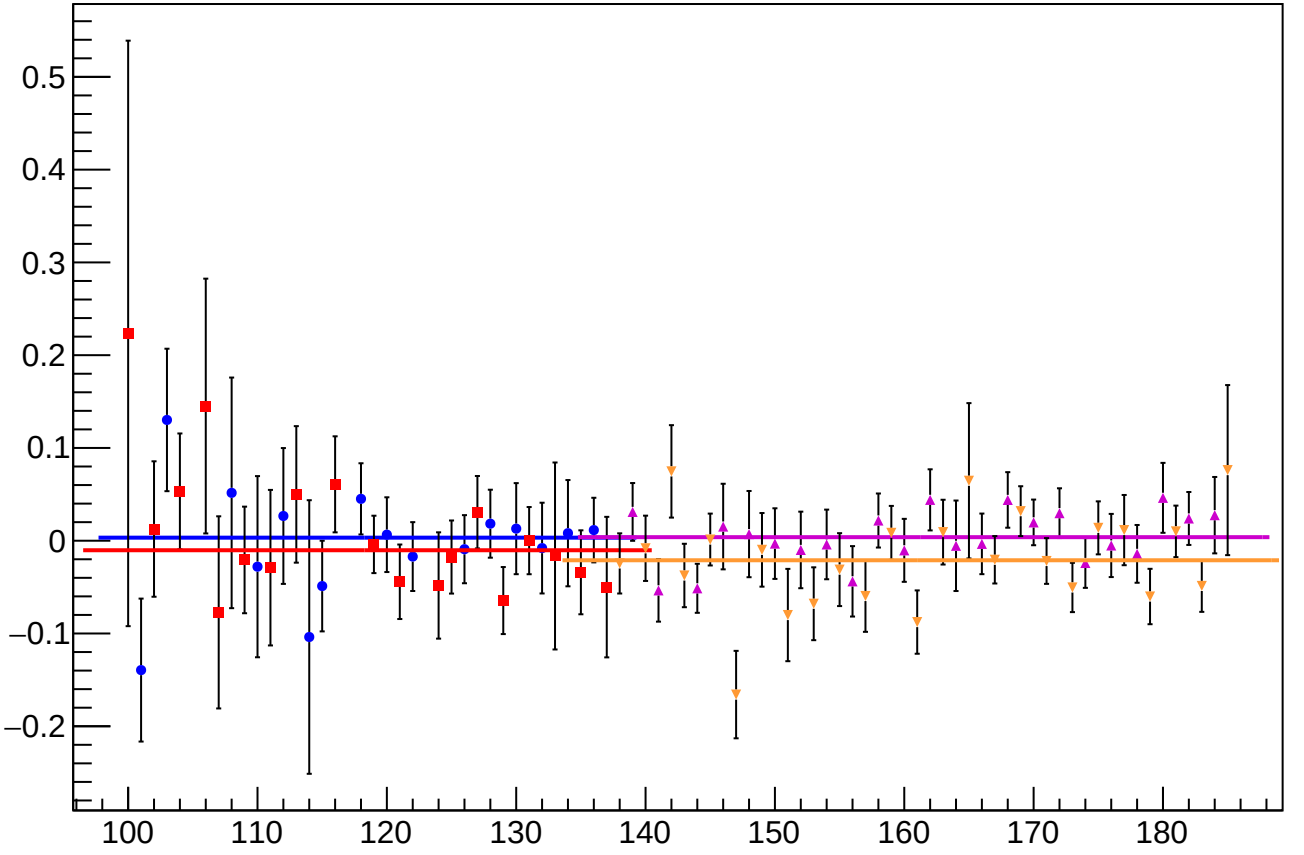
+ sign -0.000+/-0.000 χ^2/NDF: 50.8/40

All: -0.000+/-0.000 χ^2/NDF: 83.3/82

- 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:2000233.5/24
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: 5756276.4/40
All: 0.000+/-0.000 χ²/NDF: 11707069.8/82
- sign 0.000+/-0.000 χ²/NDF: 5942231.8/41

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

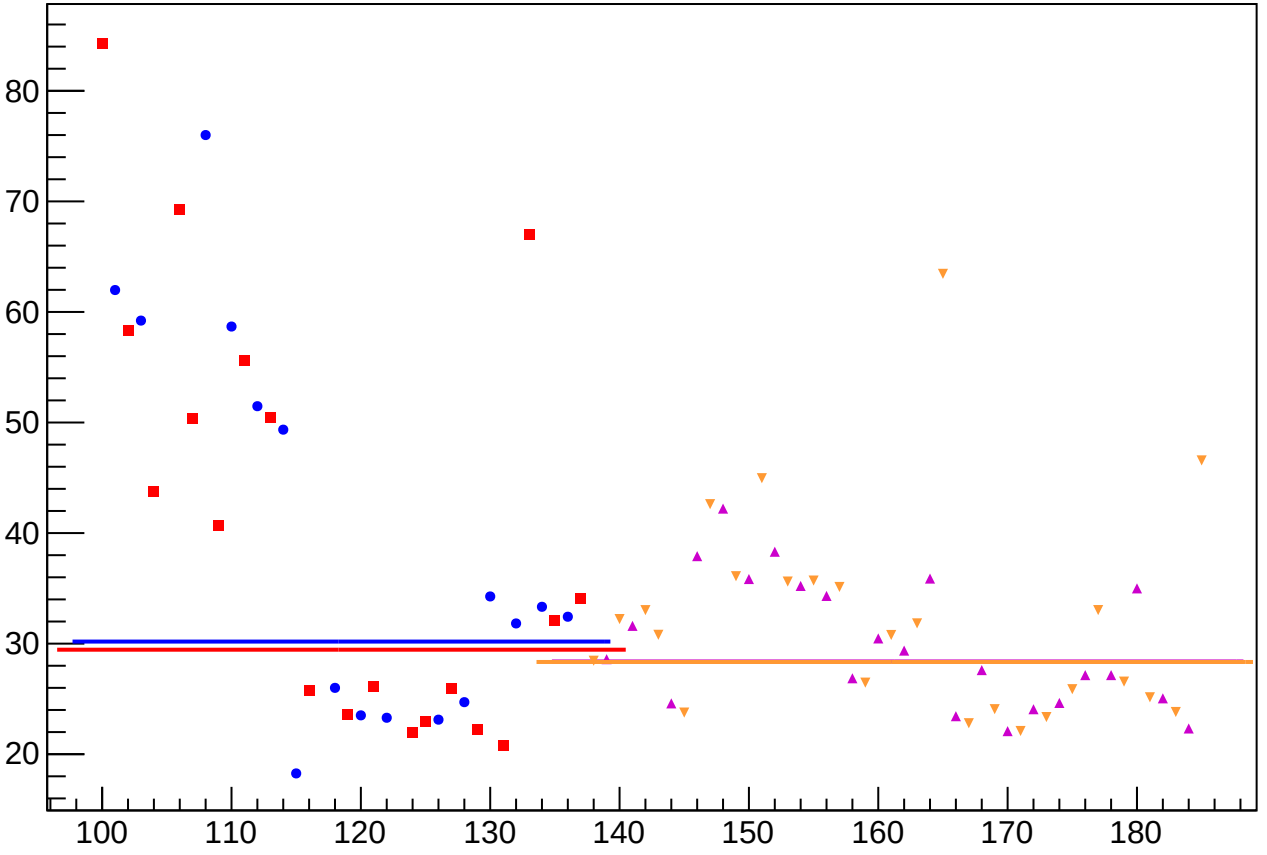
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.3/40

All: -0.008+/-0.004 χ^2/NDF: 84.9/82

- sign 0.000+/-0.006 χ^2/NDF: 31.0/41

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

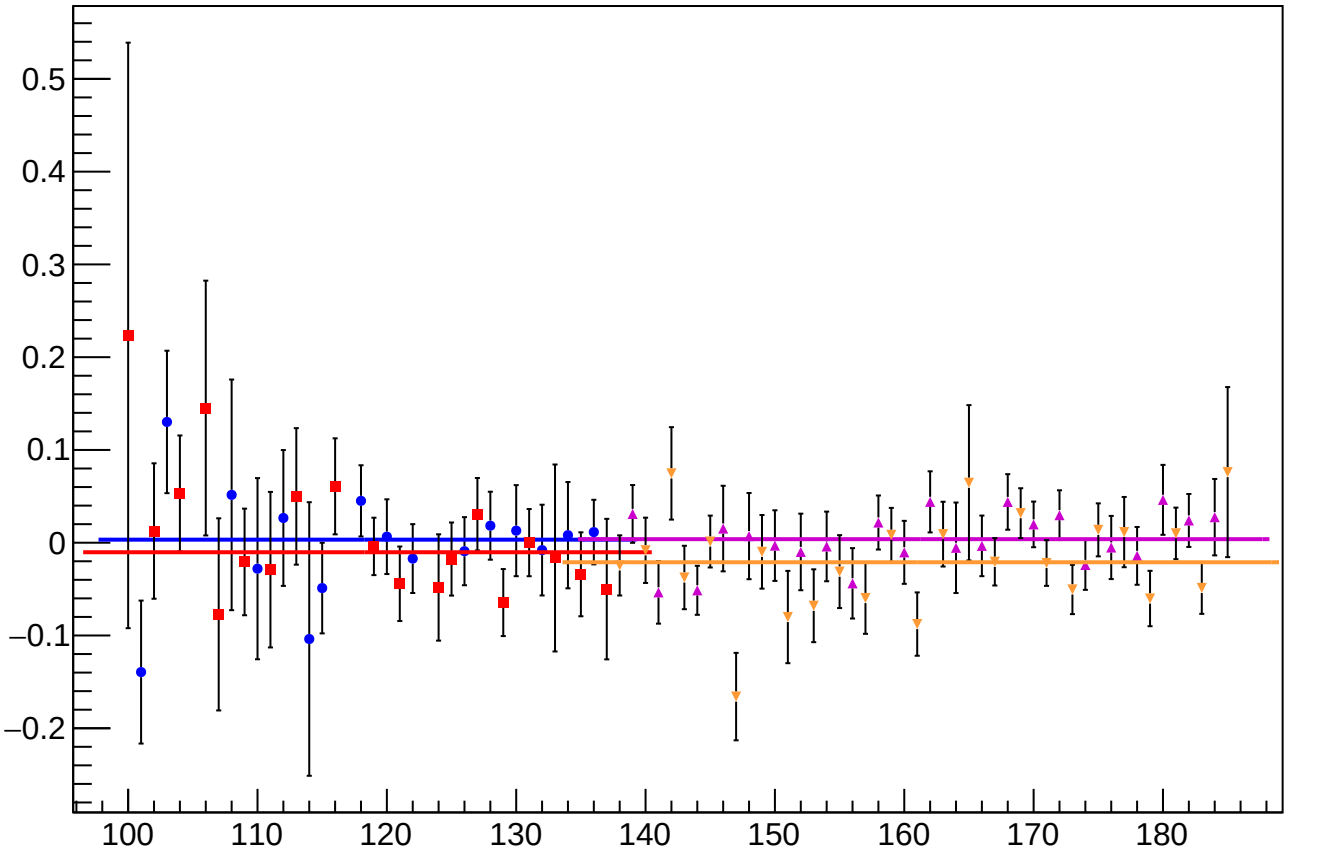
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.762+/-0.004 χ^2/NDF: 3455822.3/40

All: 28.710+/-0.003 χ^2/NDF: 6415714.6/82

- 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: -0.021+/-0.007 χ^2/NDF:37.2/24

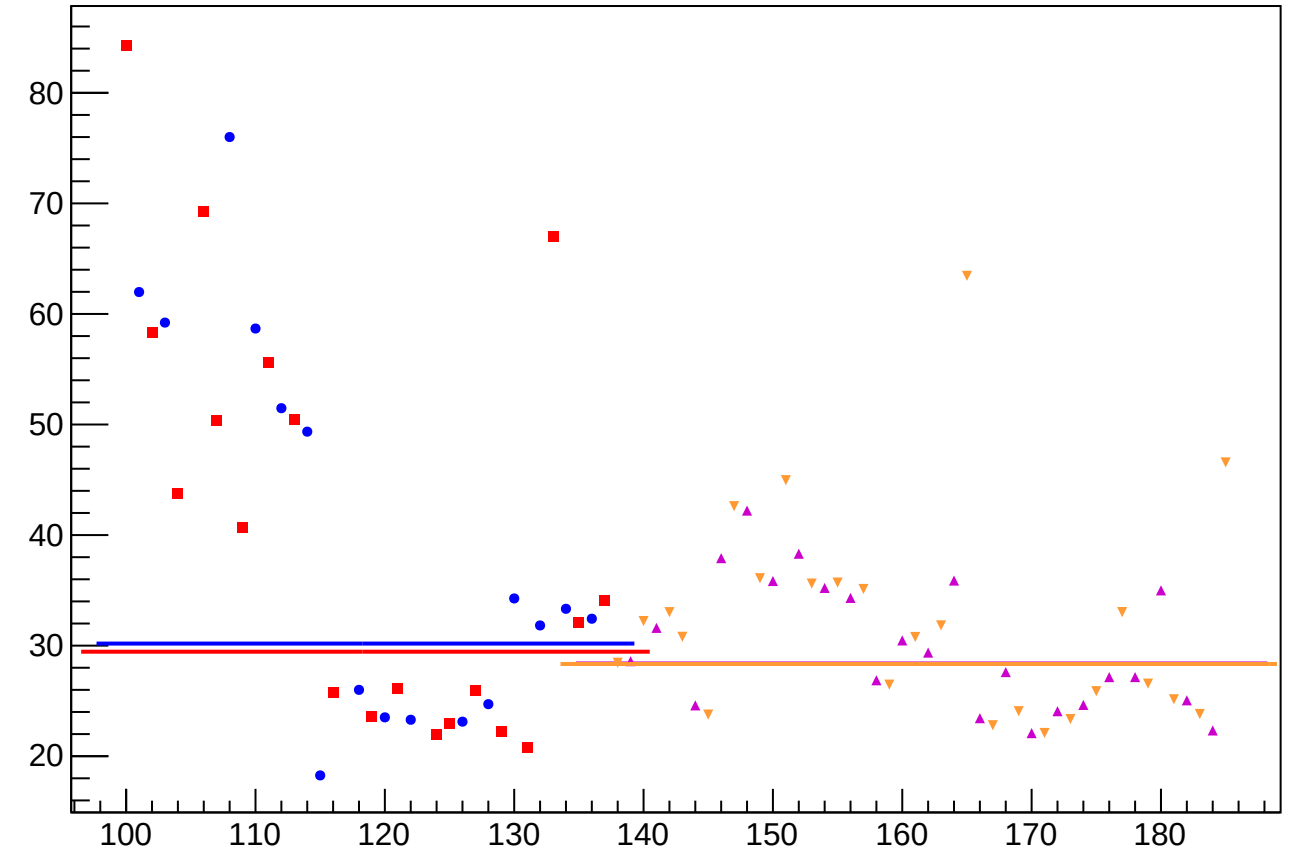
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.3/40

All: -0.008+/-0.004 χ^2/NDF: 84.9/82

- 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: 28.342+/-0.005 χ^2/NDF:1733592.1/24

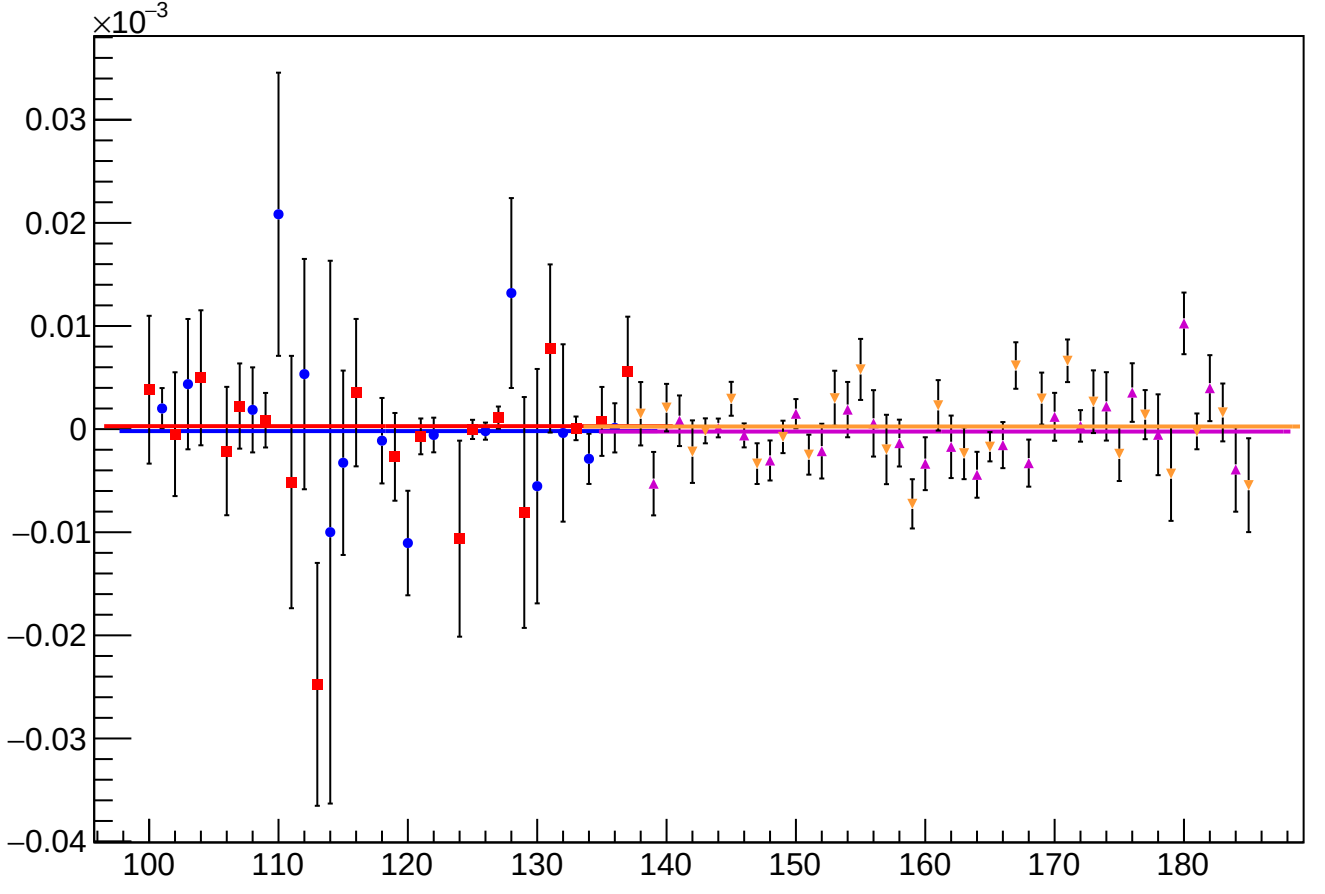
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.762+/-0.004 χ^2/NDF: 3455822.3/40

All: 28.710+/-0.003 χ^2/NDF: 6415714.6/82

- 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:50.8/24

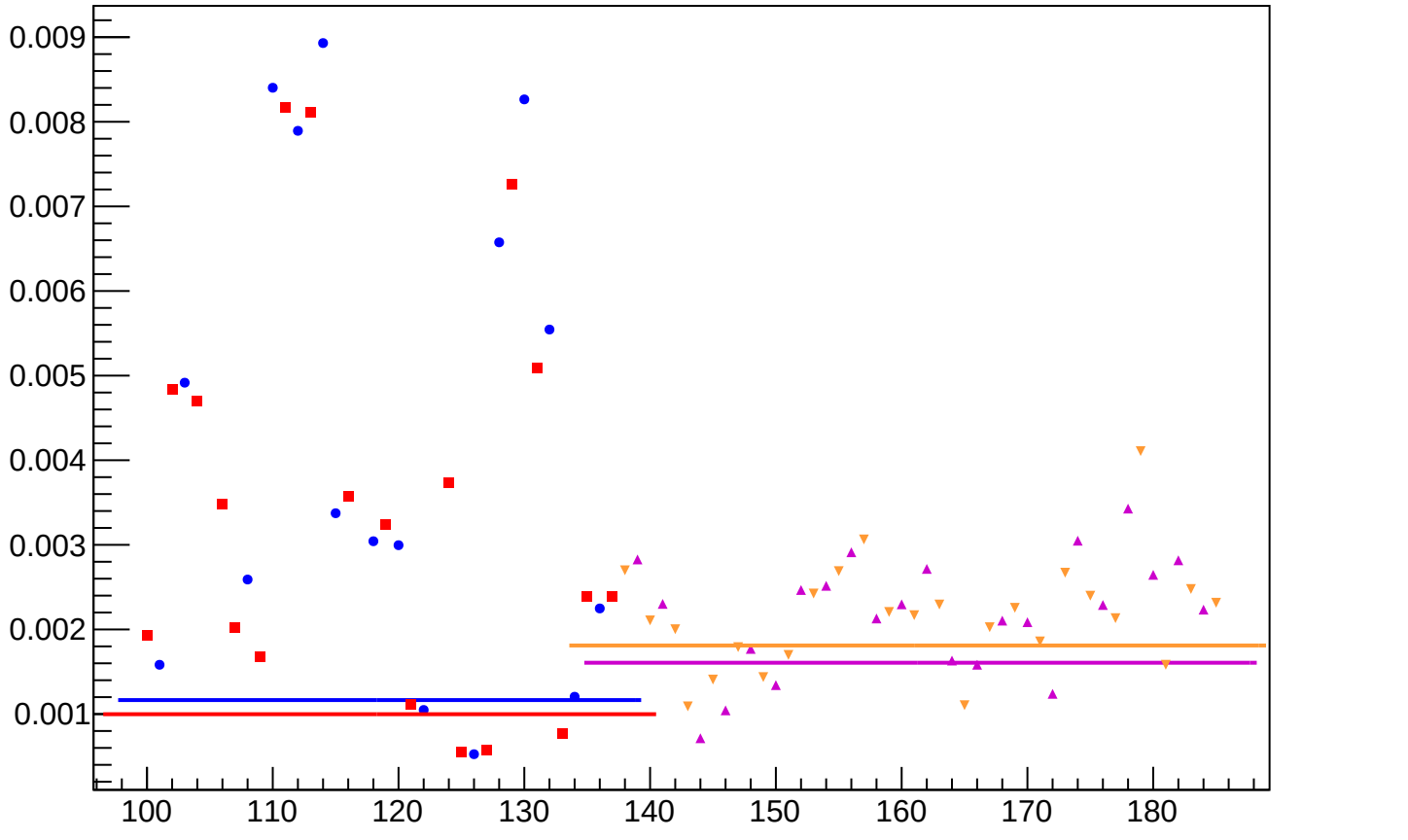
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.2/40

All: 0.000+/-0.000 χ^2/NDF: 109.6/82

- 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:3433566.6/24

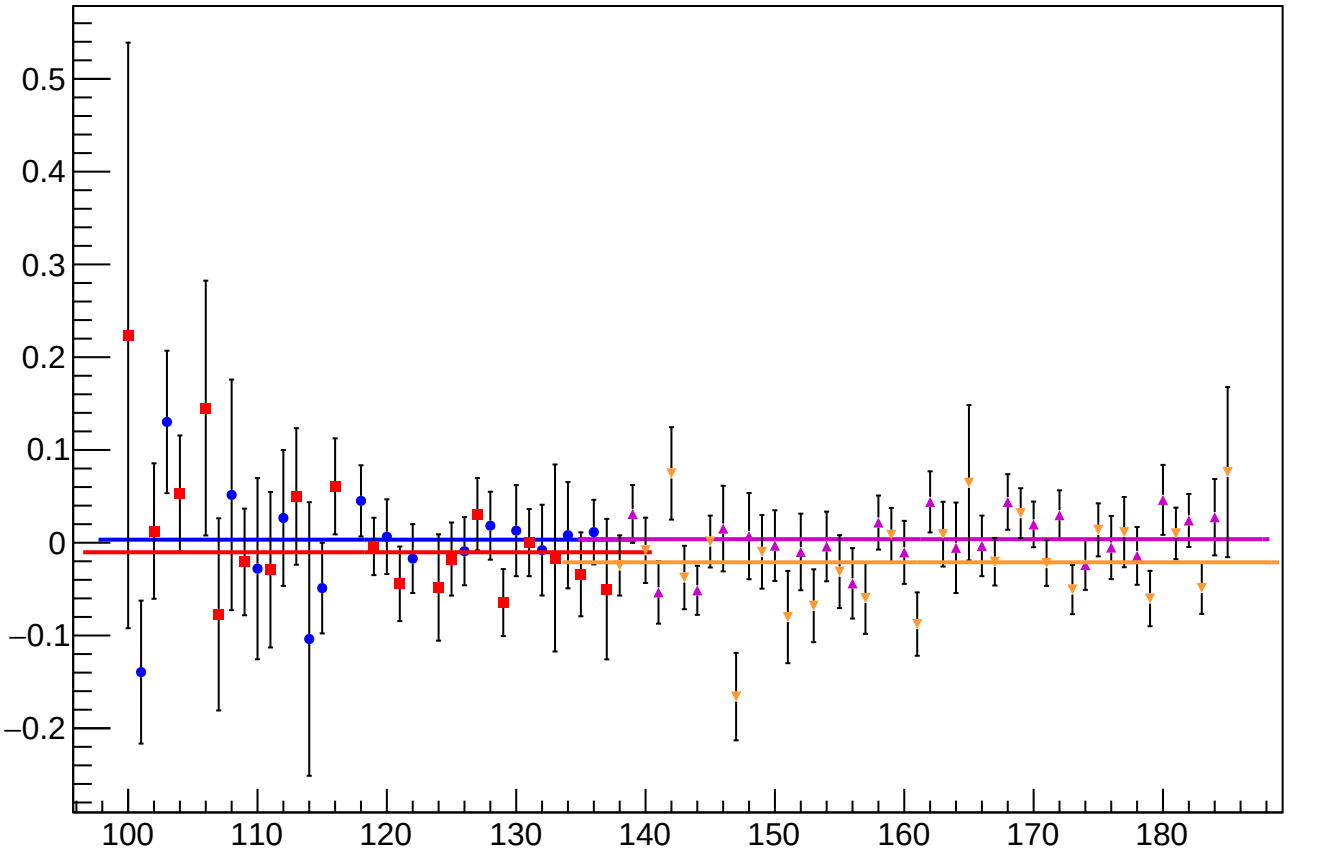
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 11785440.5/40

All: 0.001+/-0.000 χ^2/NDF: 26844903.6/82

- 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: -0.021+/-0.007 χ^2/NDF:37.2/24

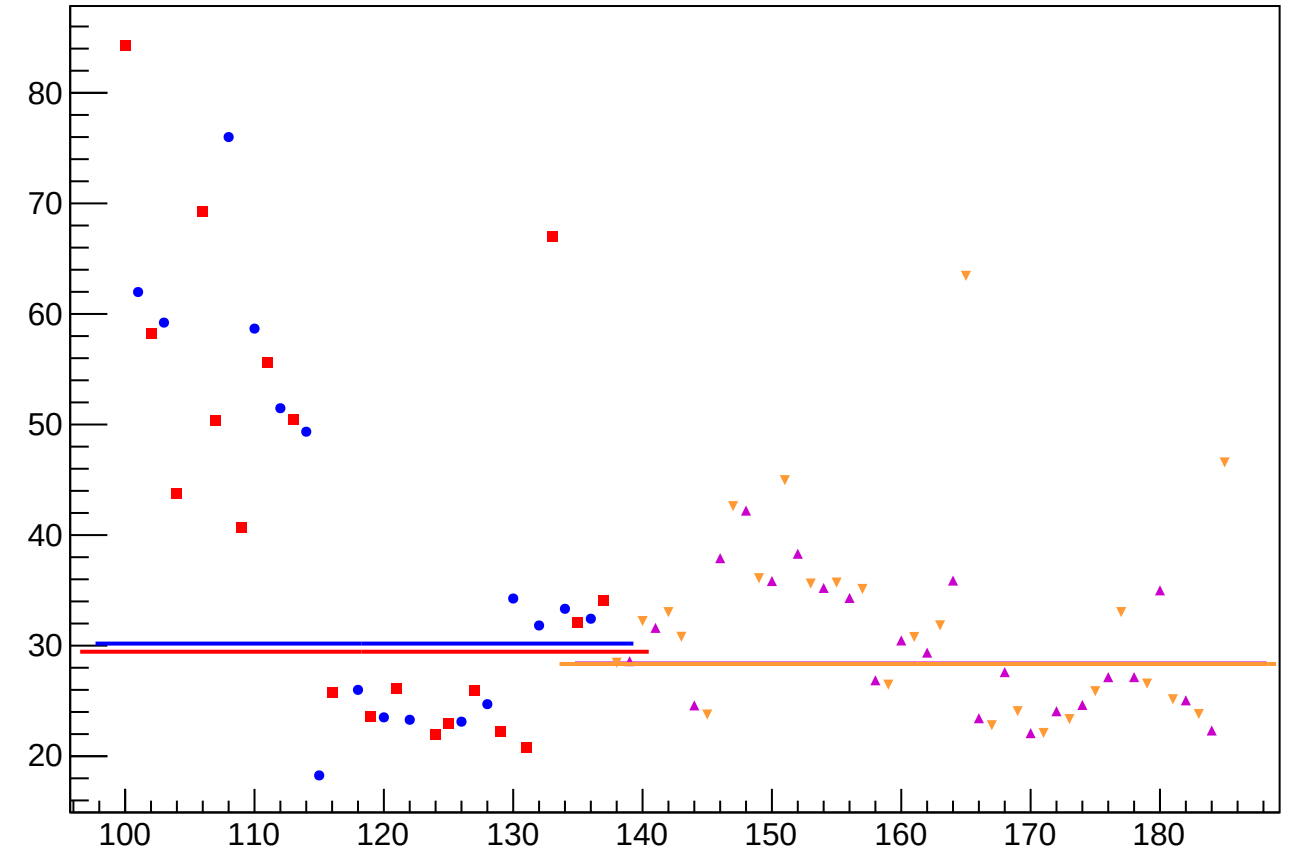
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.3/40

All: -0.008+/-0.004 χ^2/NDF: 84.9/82

- 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: 28.342+/-0.005 χ^2/NDF:1733585.3/24

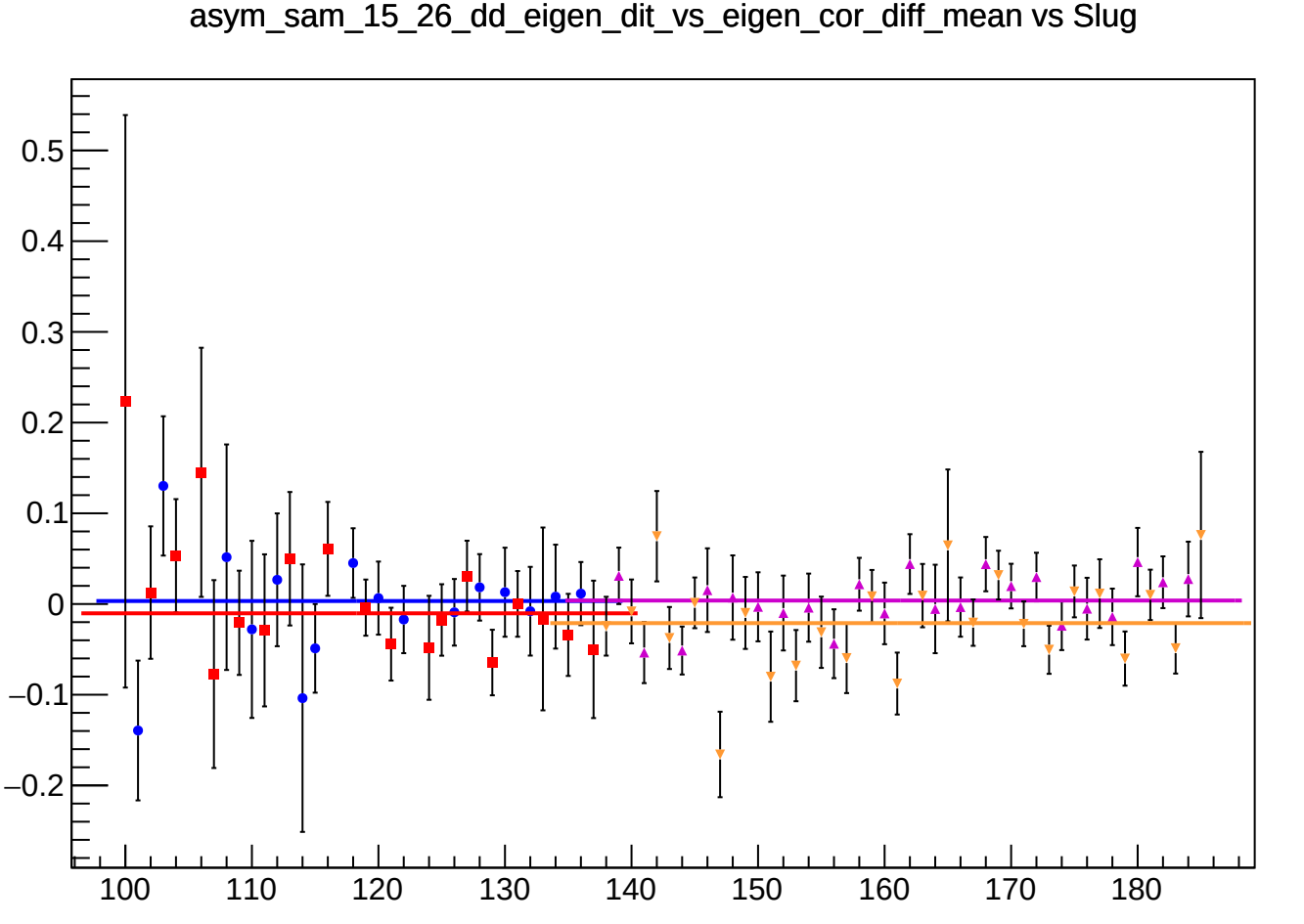
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 28.762+/-0.004 χ^2/NDF: 3455630.1/40

All: 28.710+/-0.003 χ^2/NDF: 6415503.3/82

- 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: -0.021+/-0.007 χ^2/NDF:37.2/24

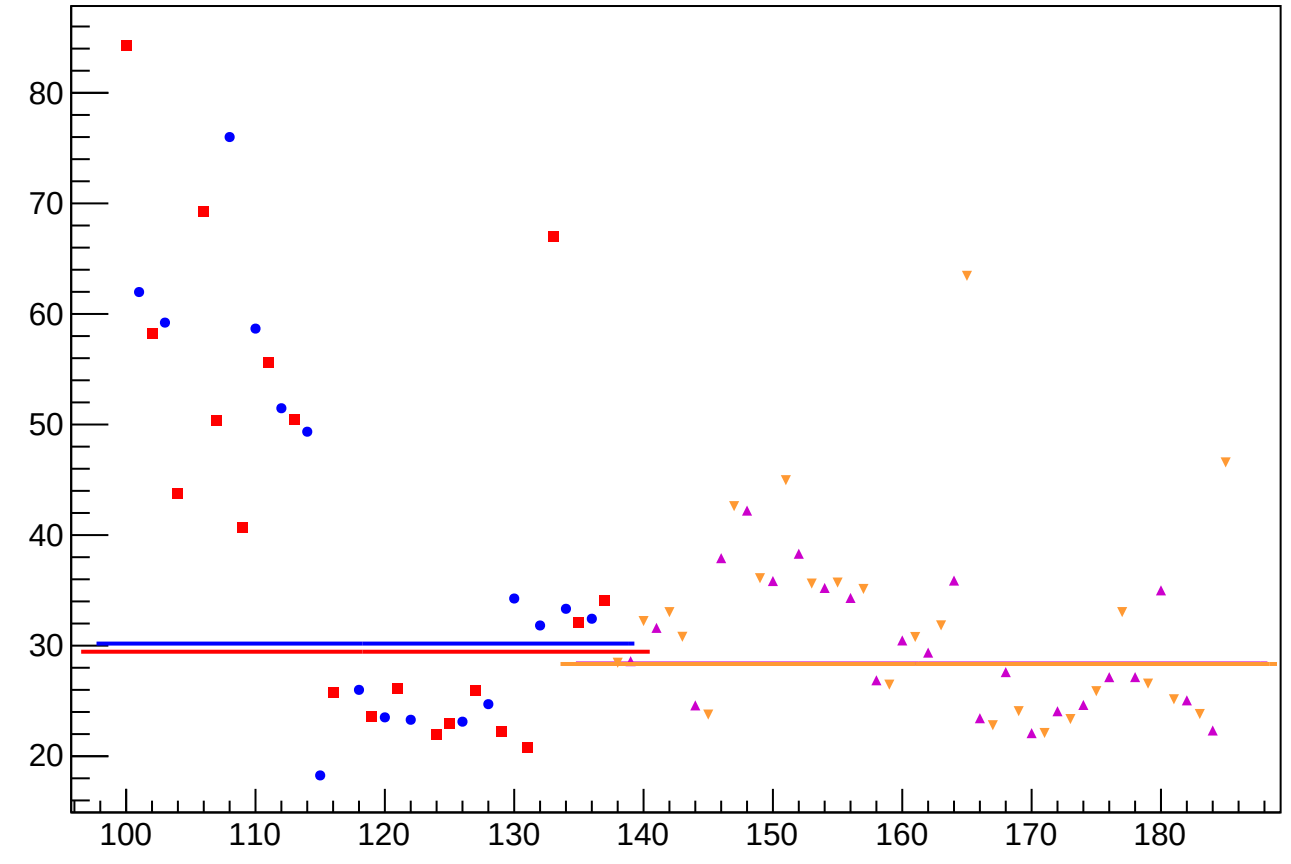
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.3/40

All: -0.008+/-0.004 χ^2/NDF: 84.9/82

- 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: 28.342+/-0.005 χ^2/NDF:1733585.3/24

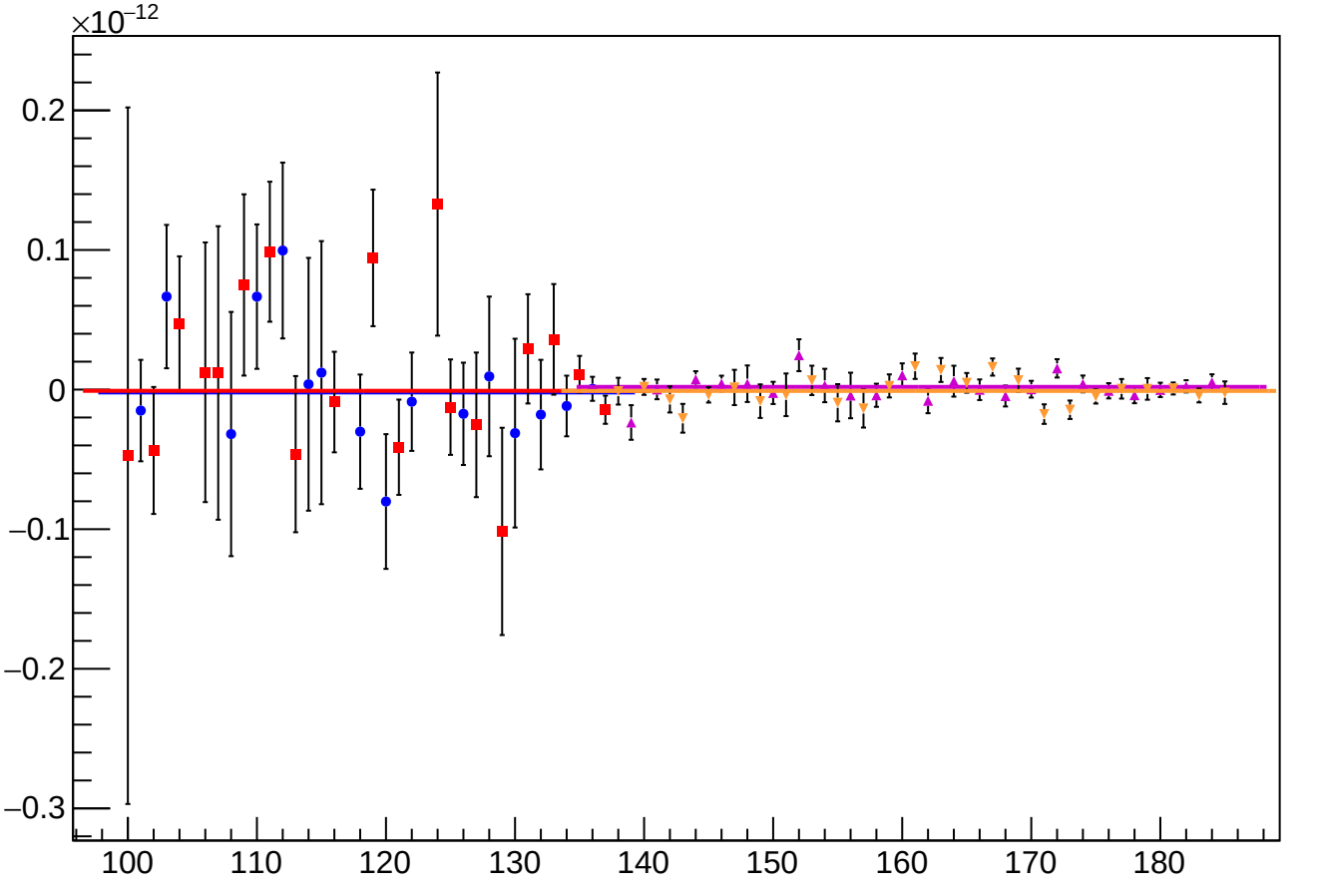
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 28.762+/-0.004 χ^2/NDF: 3455630.1/40

All: 28.710+/-0.003 χ^2/NDF: 6415503.3/82

- sign 28.657+/-0.004 χ^2/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:34.1/24

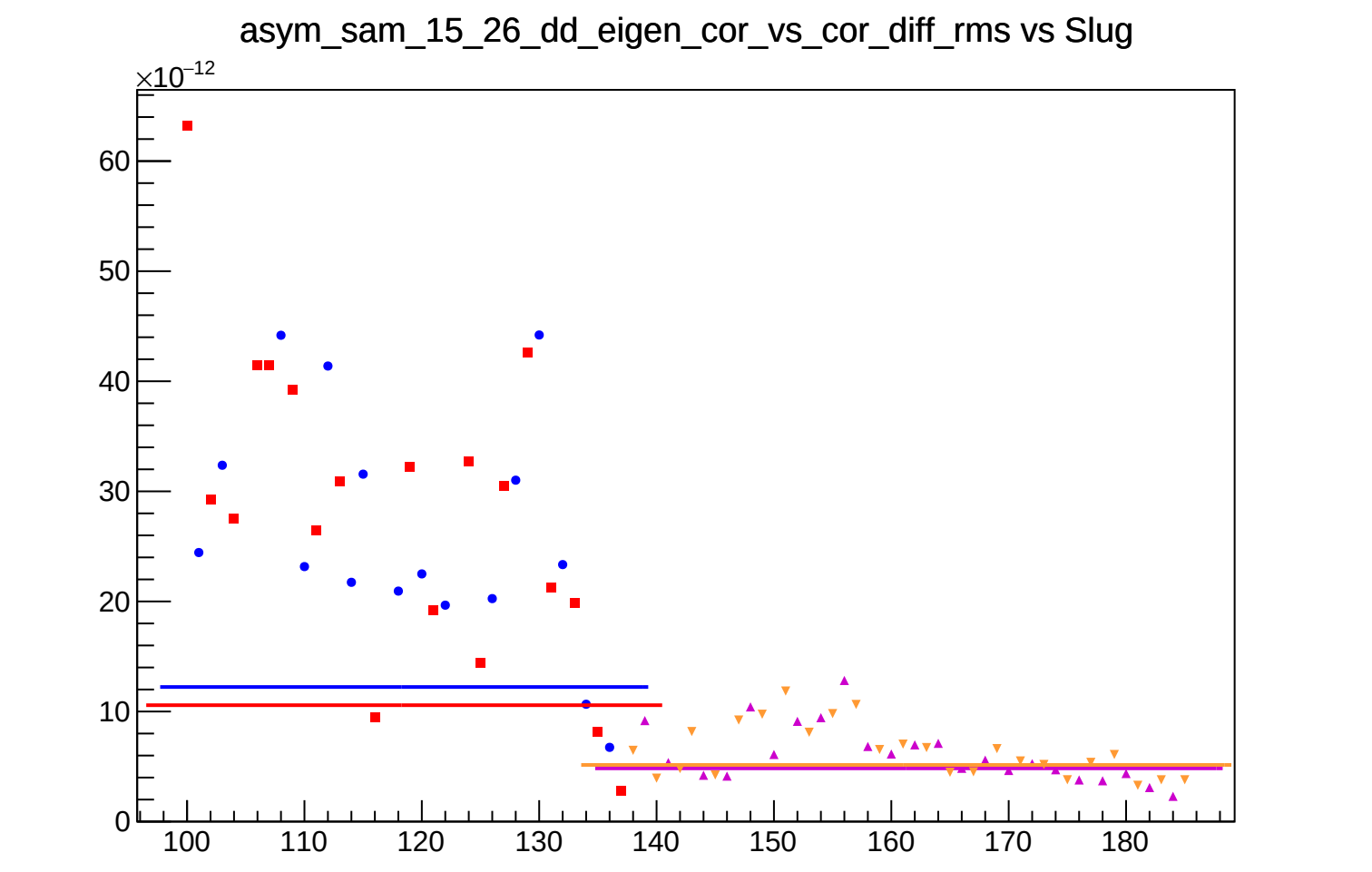
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/40

All: 0.000+/-0.000 χ^2/NDF: 87.6/82

- sign 0.000+/-0.000 χ^2/NDF: 41.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

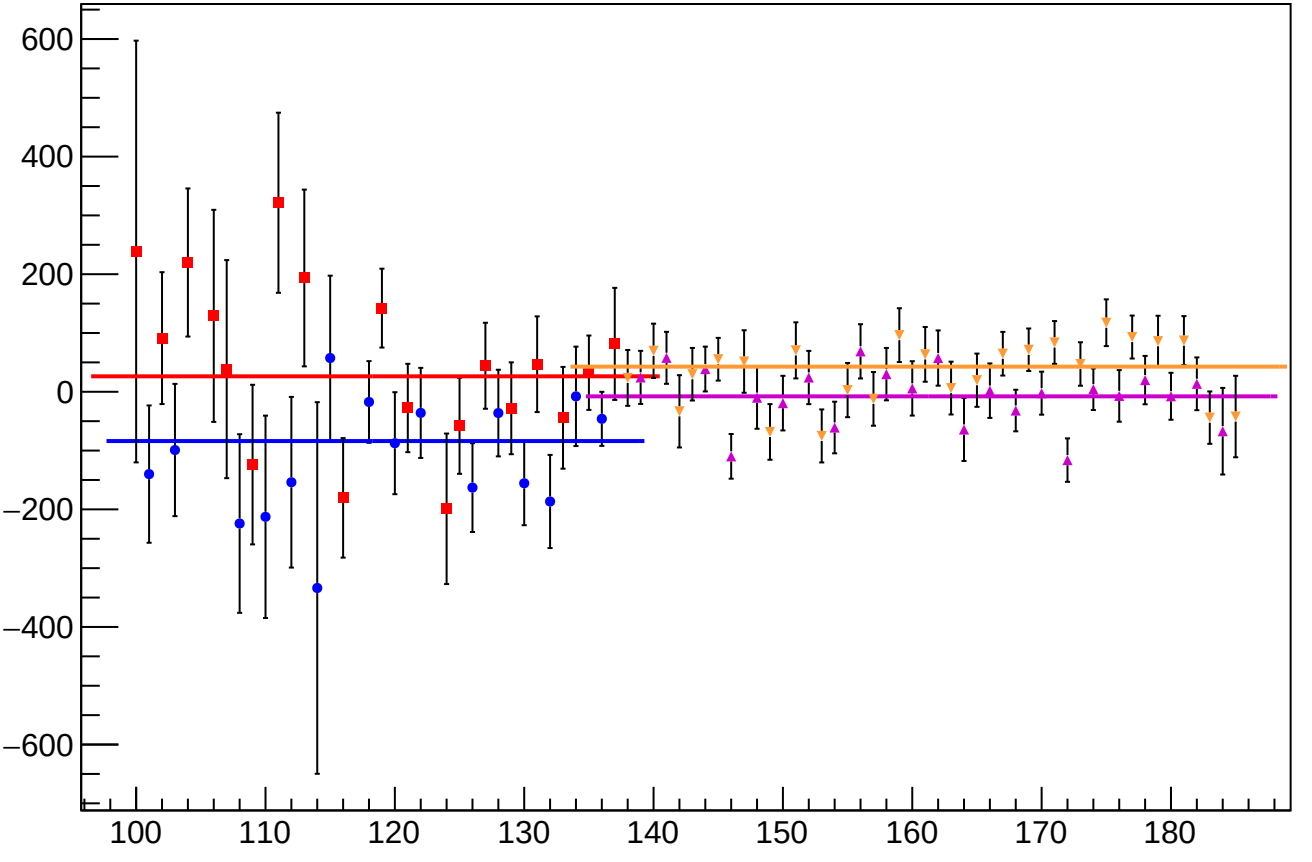
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8533664.5/40

All: 0.000+/-0.000 χ^2/NDF: 17827062.1/82

- sign 0.000+/-0.000 χ^2/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: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

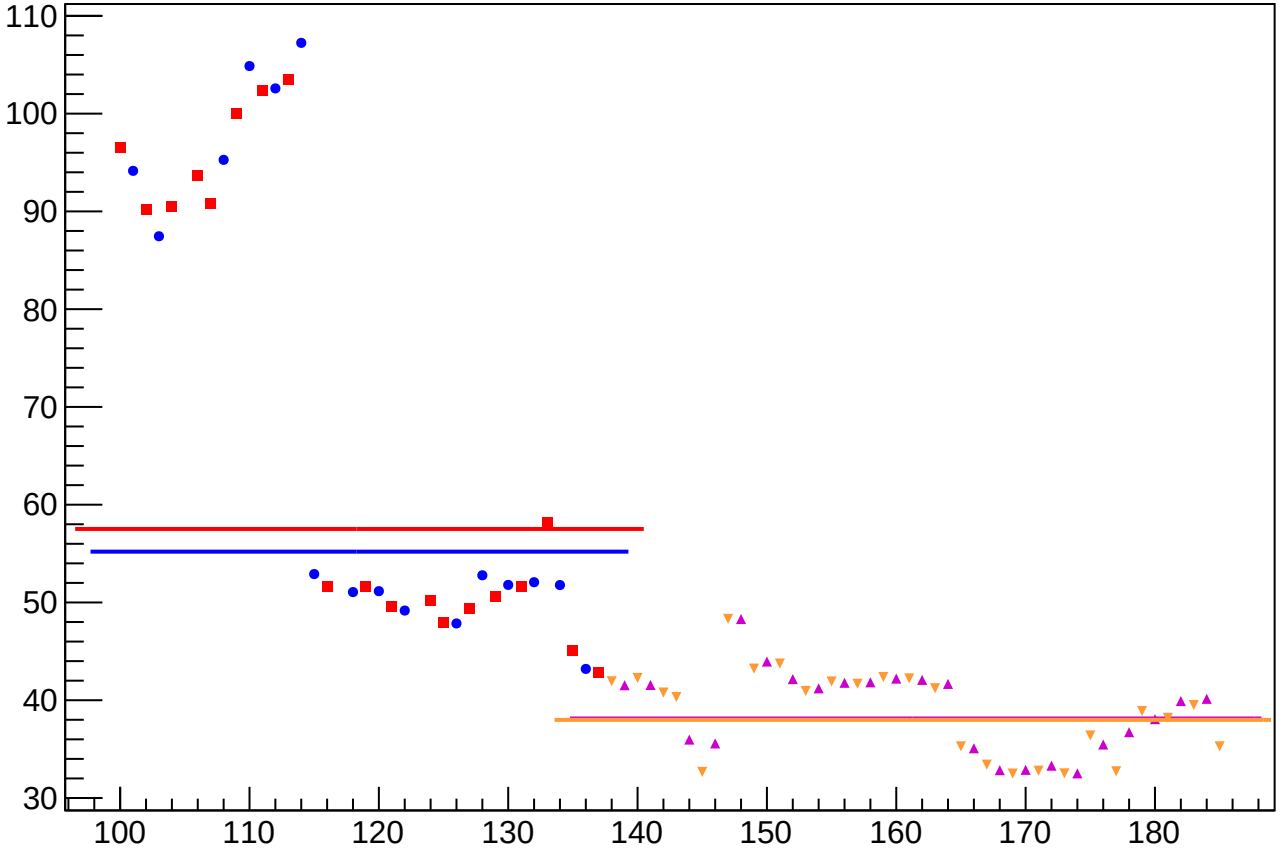
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 24.869+/-8.060 χ^2/NDF: 75.2/40

All: 11.392+/-5.787 χ^2/NDF: 136.6/82

- 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: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

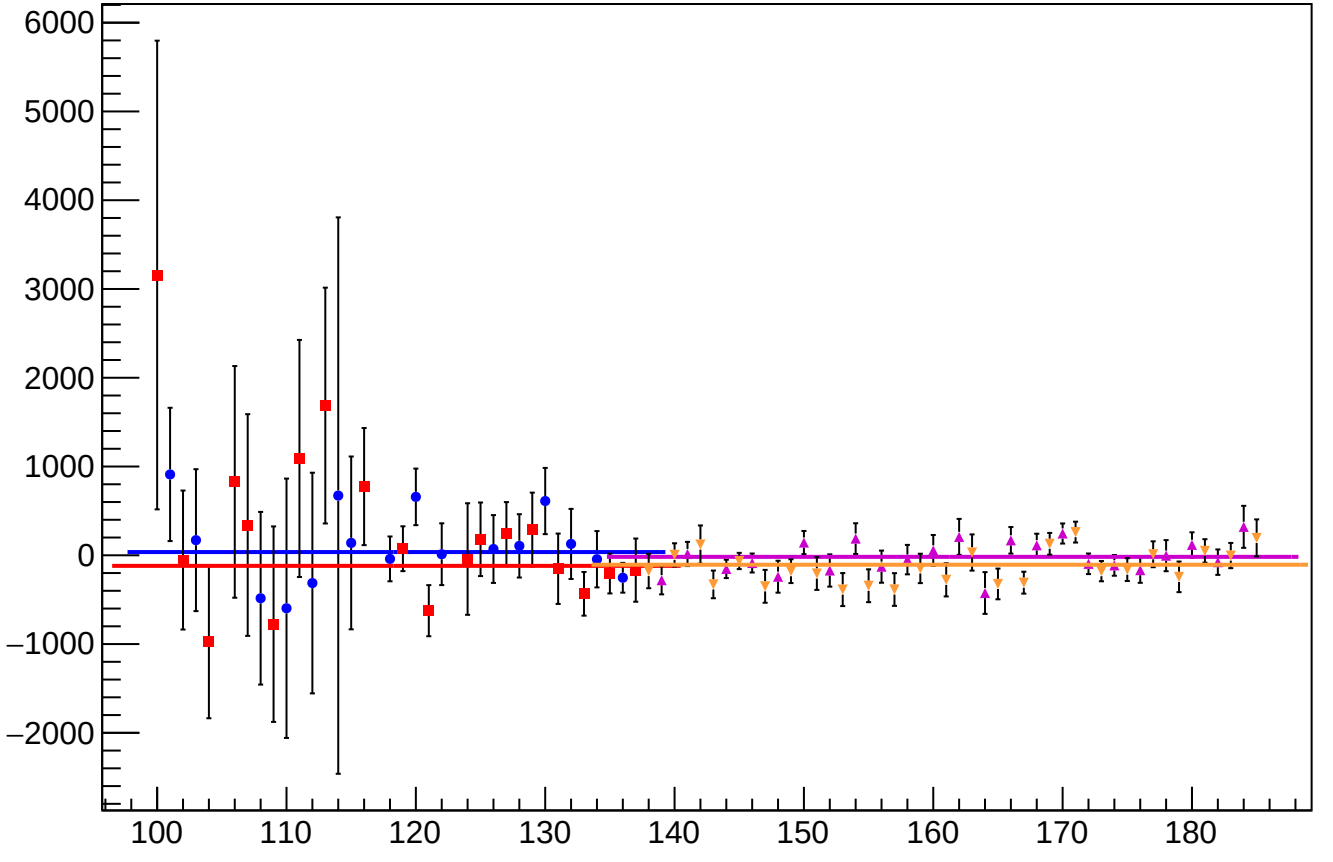
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.423+/-0.006 χ^2/NDF: 2772950.5/40

All: 40.646+/-0.004 χ^2/NDF: 5810777.5/82

- sign 40.884+/-0.006 χ^2/NDF: 3034653.1/41

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

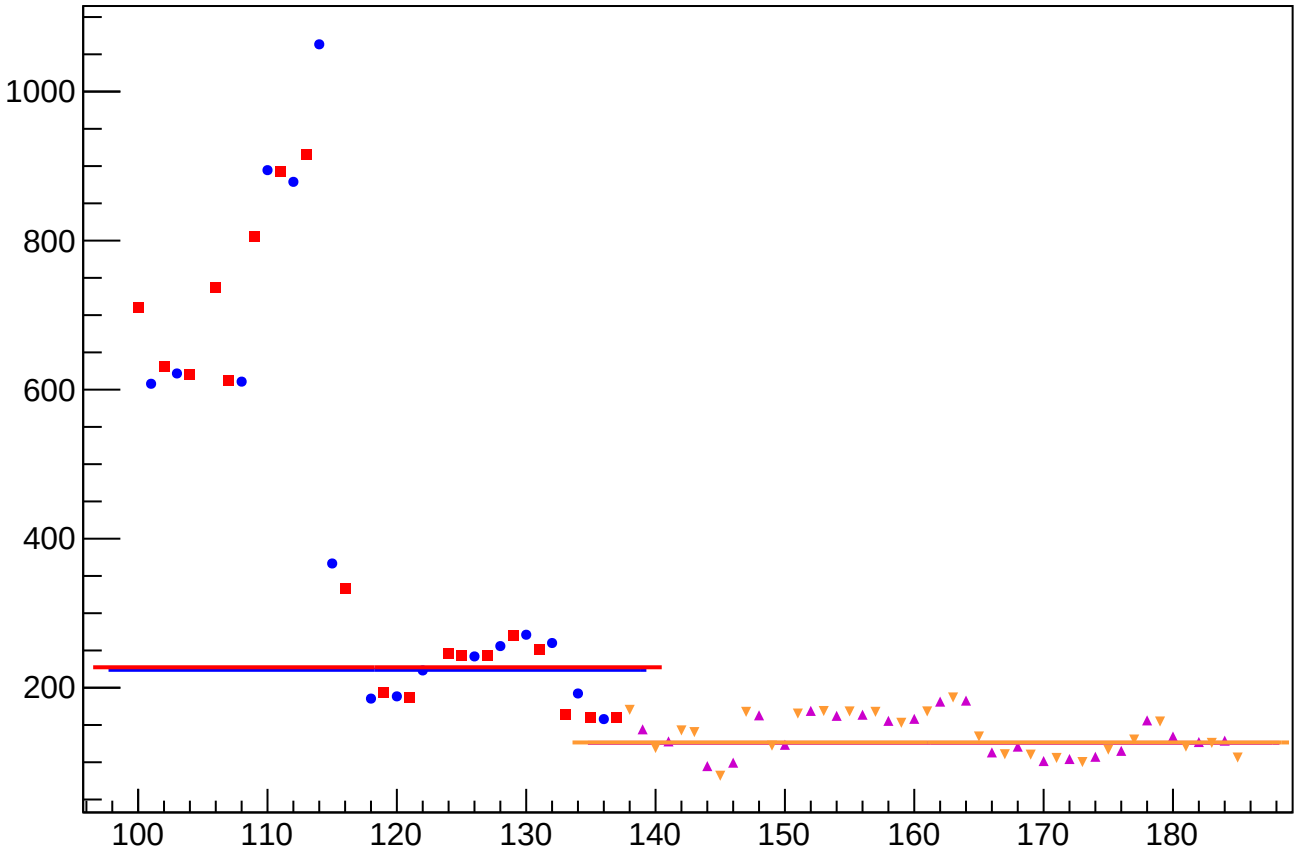
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -93.540+/-28.190 χ^2/NDF: 51.2/40

All: -60.821+/-20.142 χ^2/NDF: 99.2/82

- 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: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

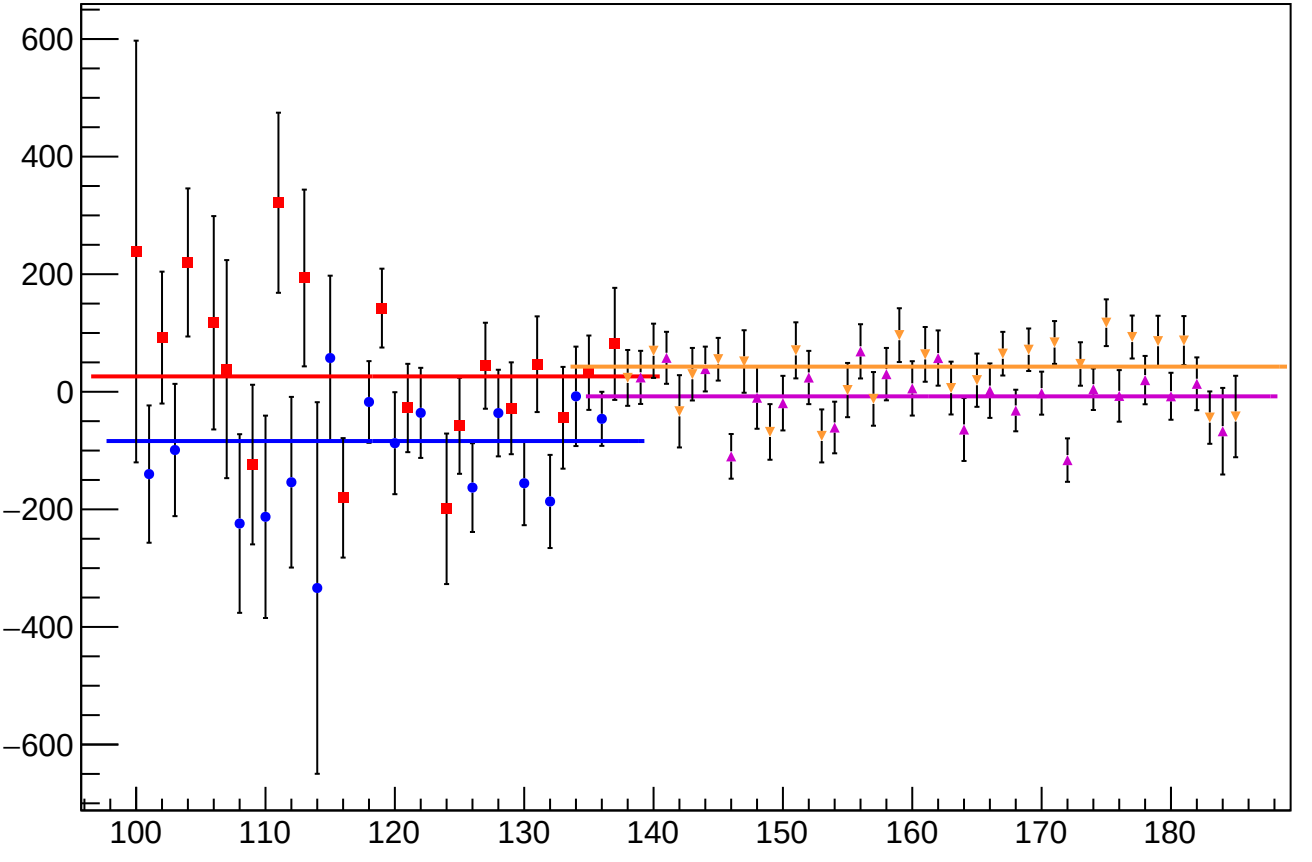
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 135.410+/-0.020 χ^2/NDF: 6700145.5/40

All: 135.292+/-0.014 χ^2/NDF: 13790009.6/82

- 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: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

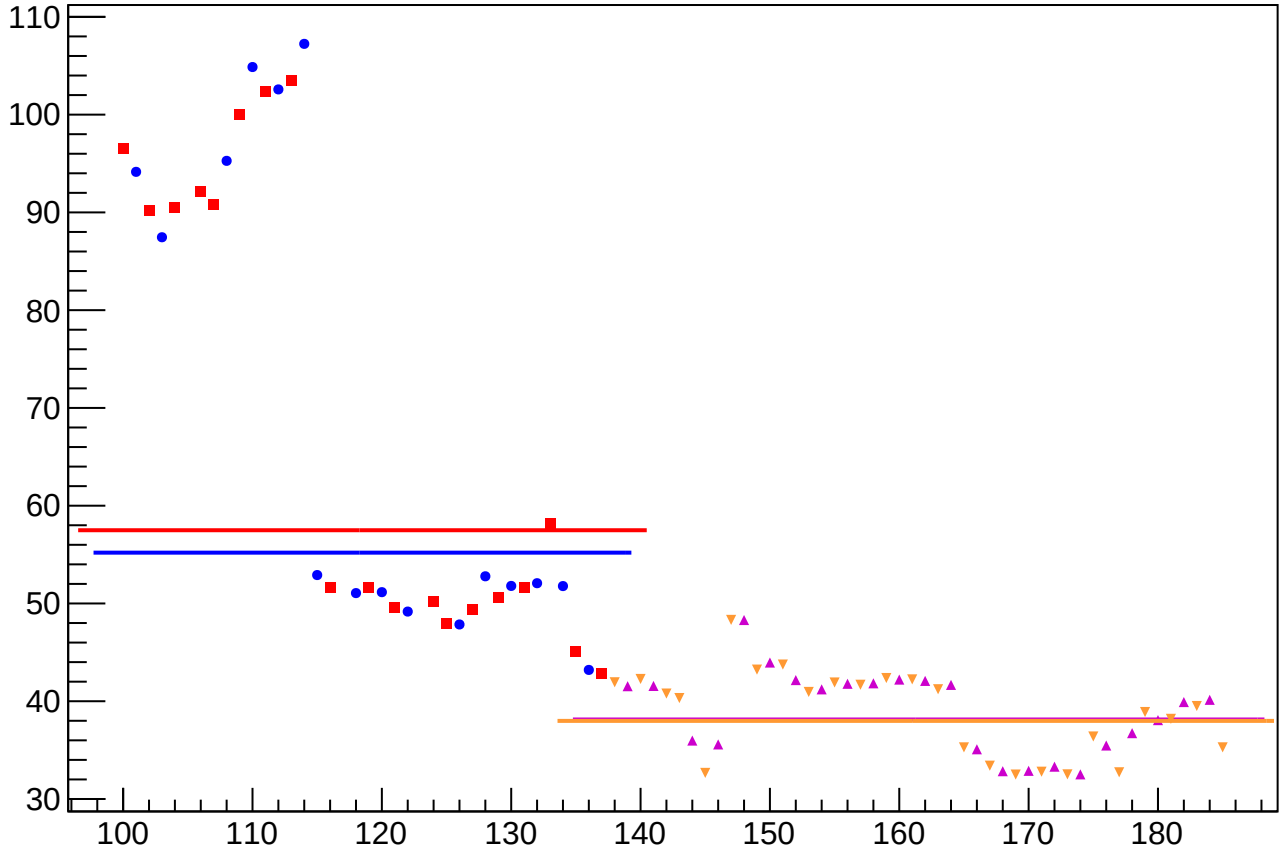
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 24.871+/-8.060 χ^2/NDF: 75.2/40

All: 11.381+/-5.787 χ^2/NDF: 136.5/82

- 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: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

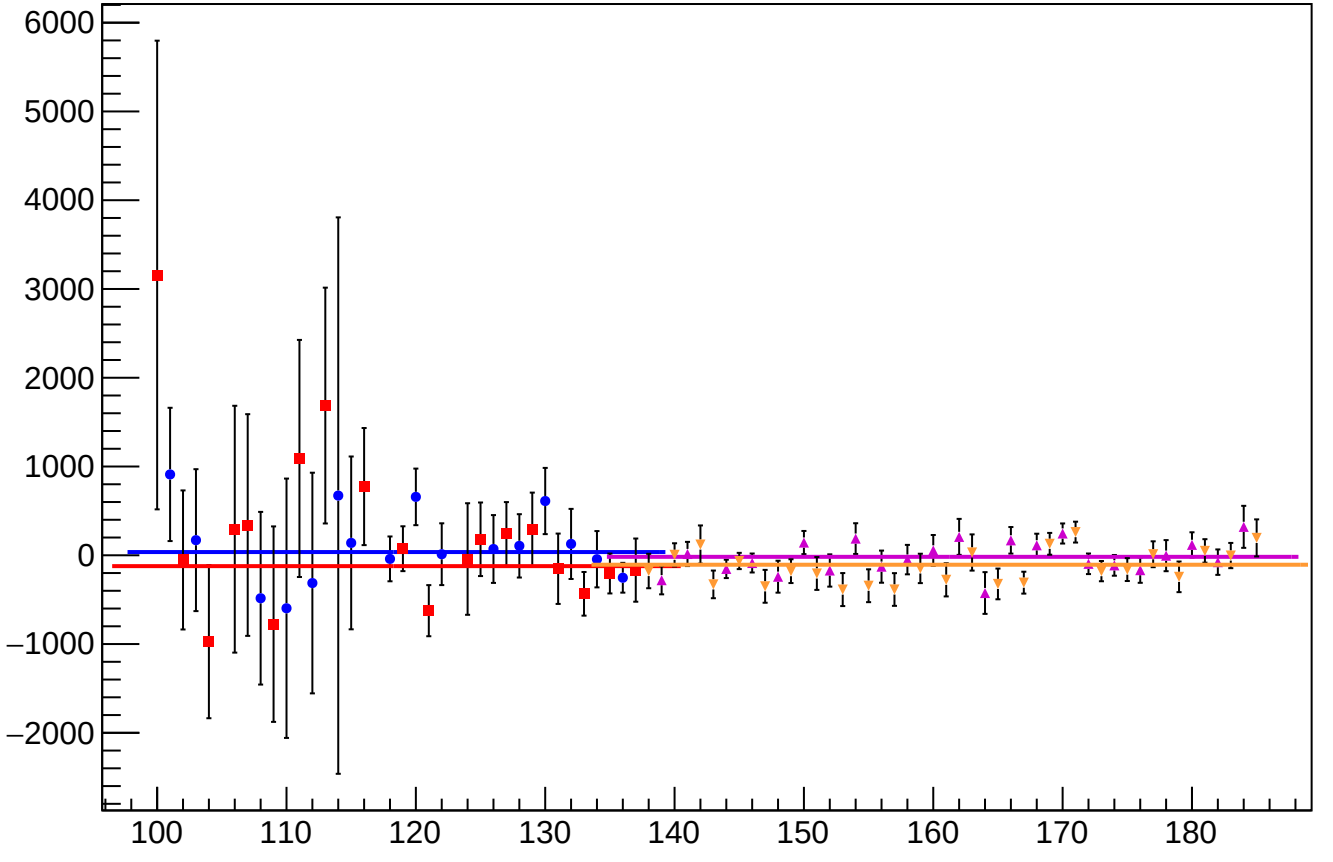
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.423+/-0.006 χ^2/NDF: 2772950.7/40

All: 40.644+/-0.004 χ^2/NDF: 5799149.1/82

- sign 40.880+/-0.006 χ^2/NDF: 3023086.8/41

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

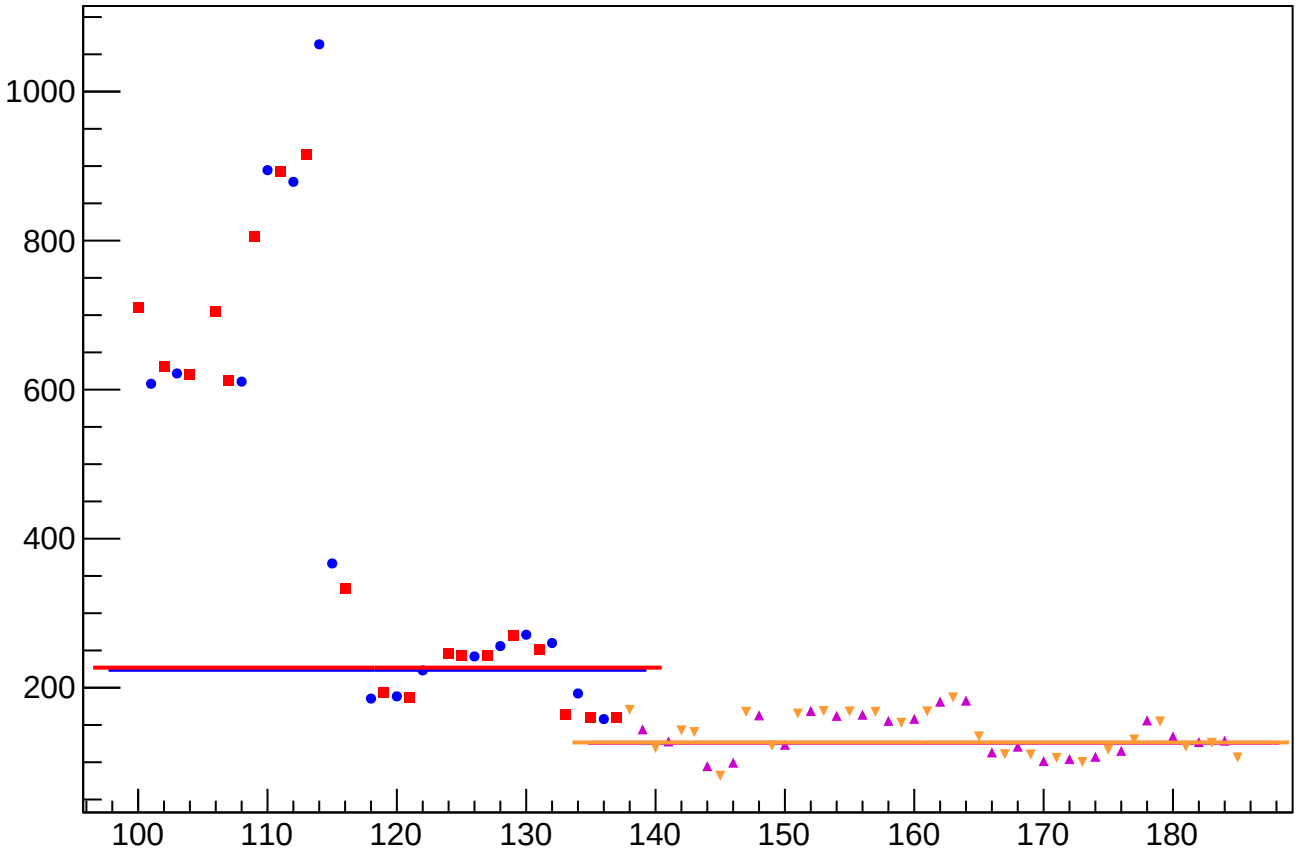
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -93.540+/-28.190 χ^2/NDF: 51.2/40

All: -60.957+/-20.143 χ^2/NDF: 98.8/82

- 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: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

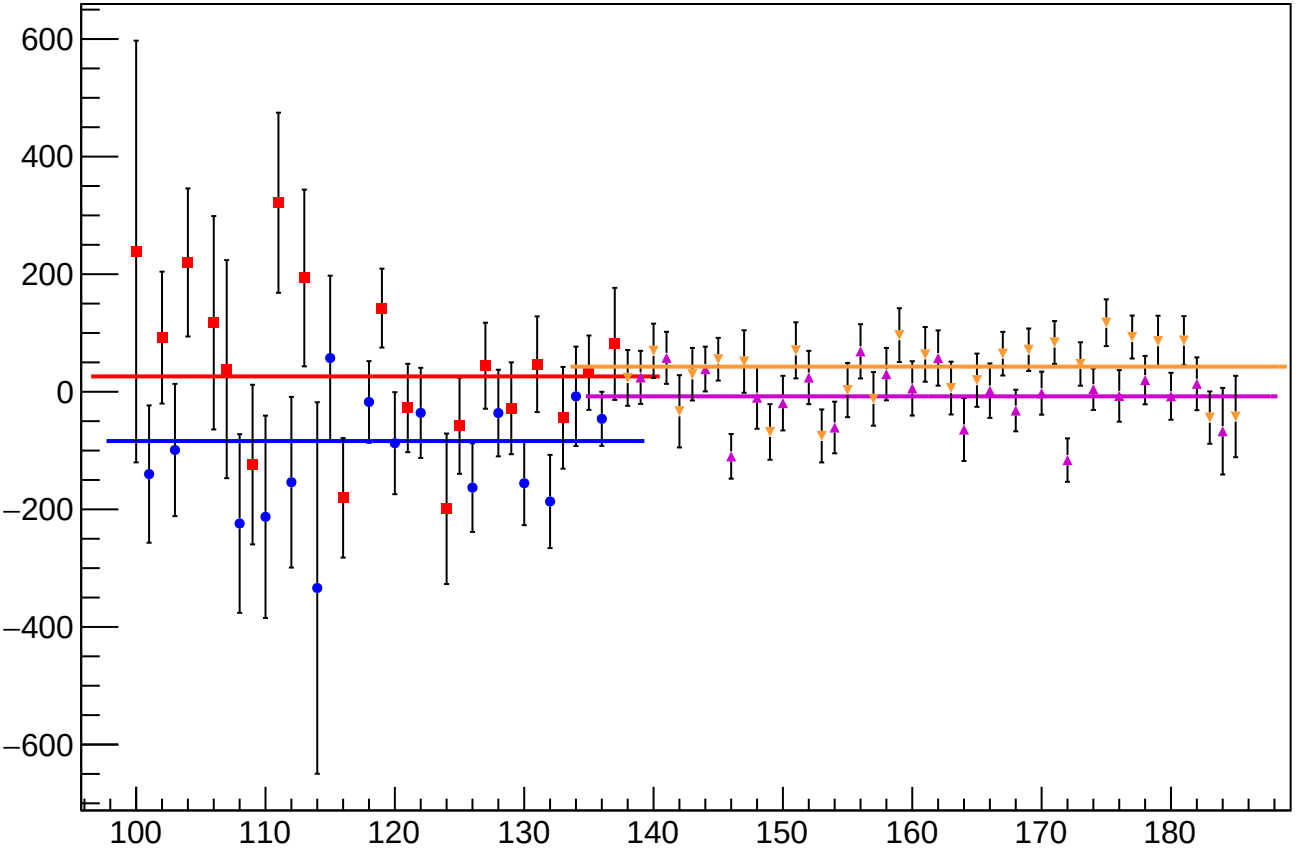
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.410+/-0.020 χ^2/NDF: 6700145.2/40

All: 135.268+/-0.014 χ^2/NDF: 13700925.0/82

- 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: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

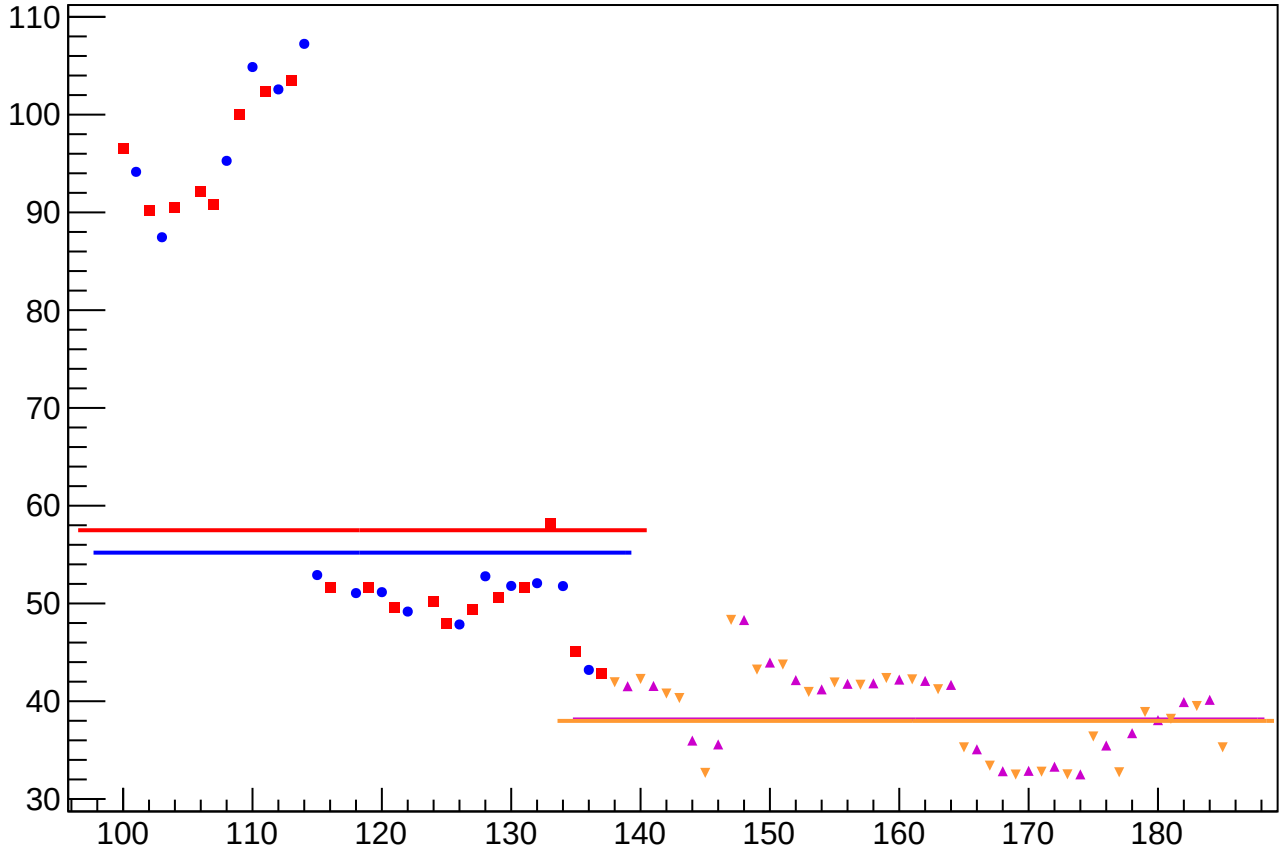
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 24.871+/-8.060 χ^2/NDF: 75.2/40

All: 11.381+/-5.787 χ^2/NDF: 136.5/82

- 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: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

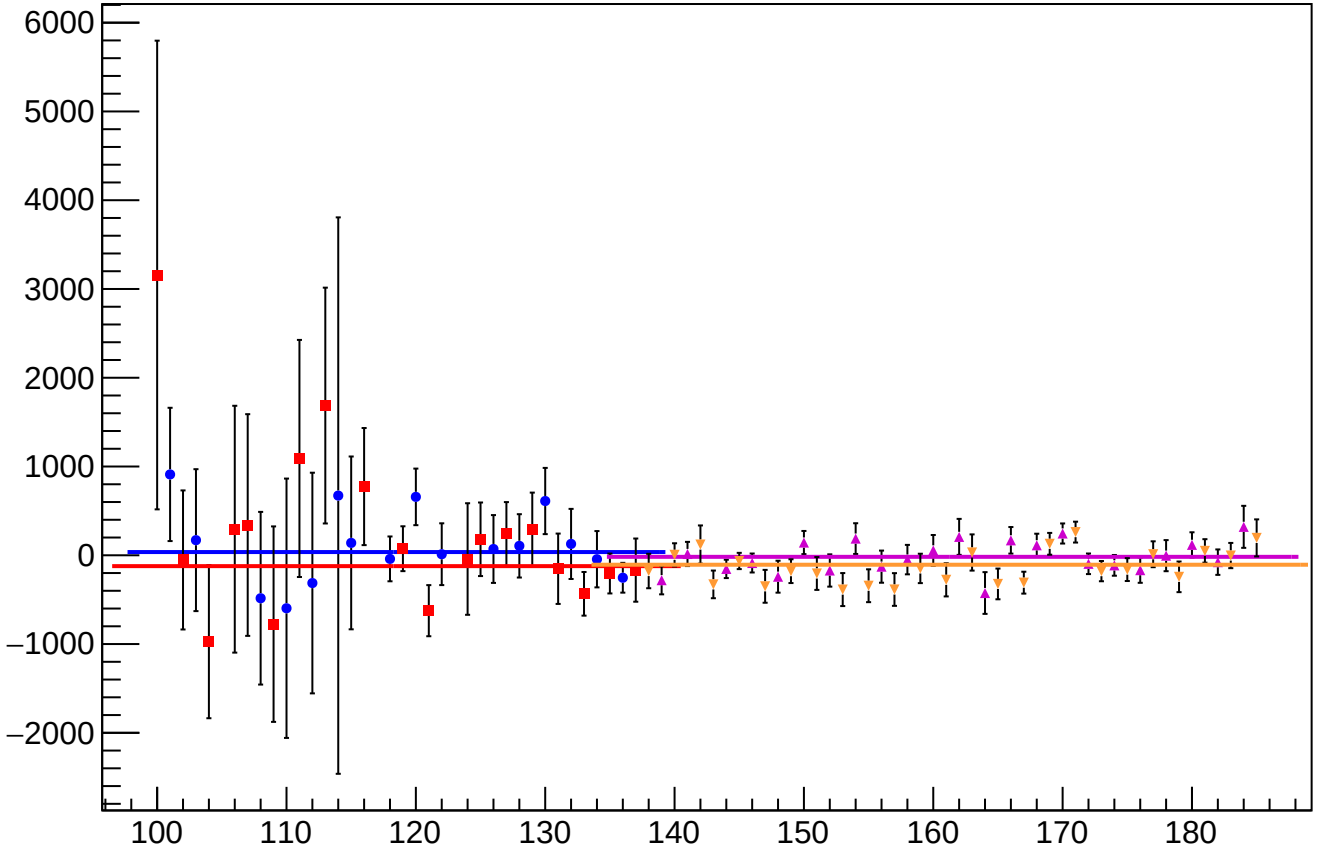
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 40.423+/-0.006 χ^2/NDF: 2772950.7/40

All: 40.644+/-0.004 χ^2/NDF: 5799149.1/82

\- sign 40.880+/-0.006 χ^2/NDF: 3023086.8/41

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

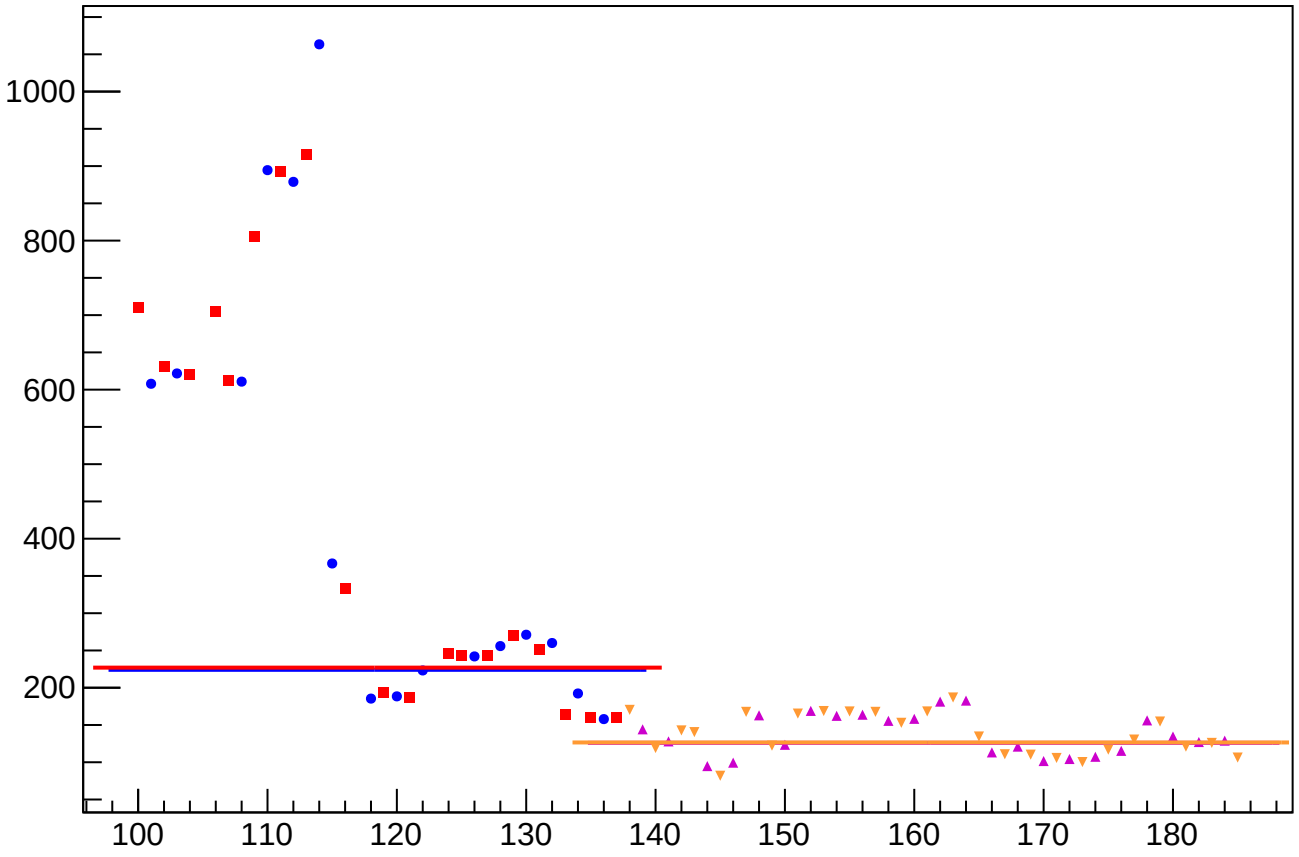
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -93.540+/-28.190 χ^2/NDF: 51.2/40

All: -60.957+/-20.143 χ^2/NDF: 98.8/82

- 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: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

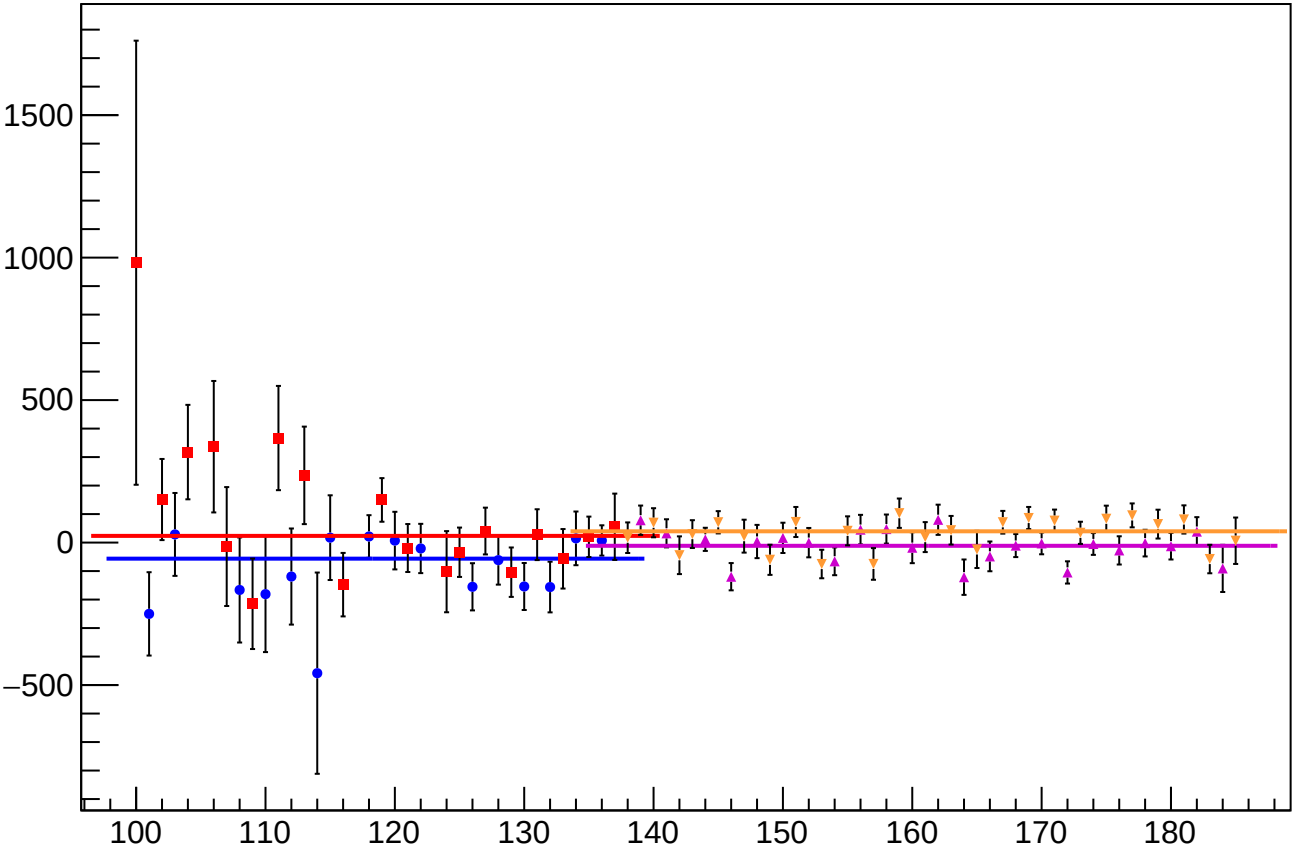
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.410+/-0.020 χ^2/NDF: 6700145.2/40

All: 135.268+/-0.014 χ^2/NDF: 13700925.0/82

- 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: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

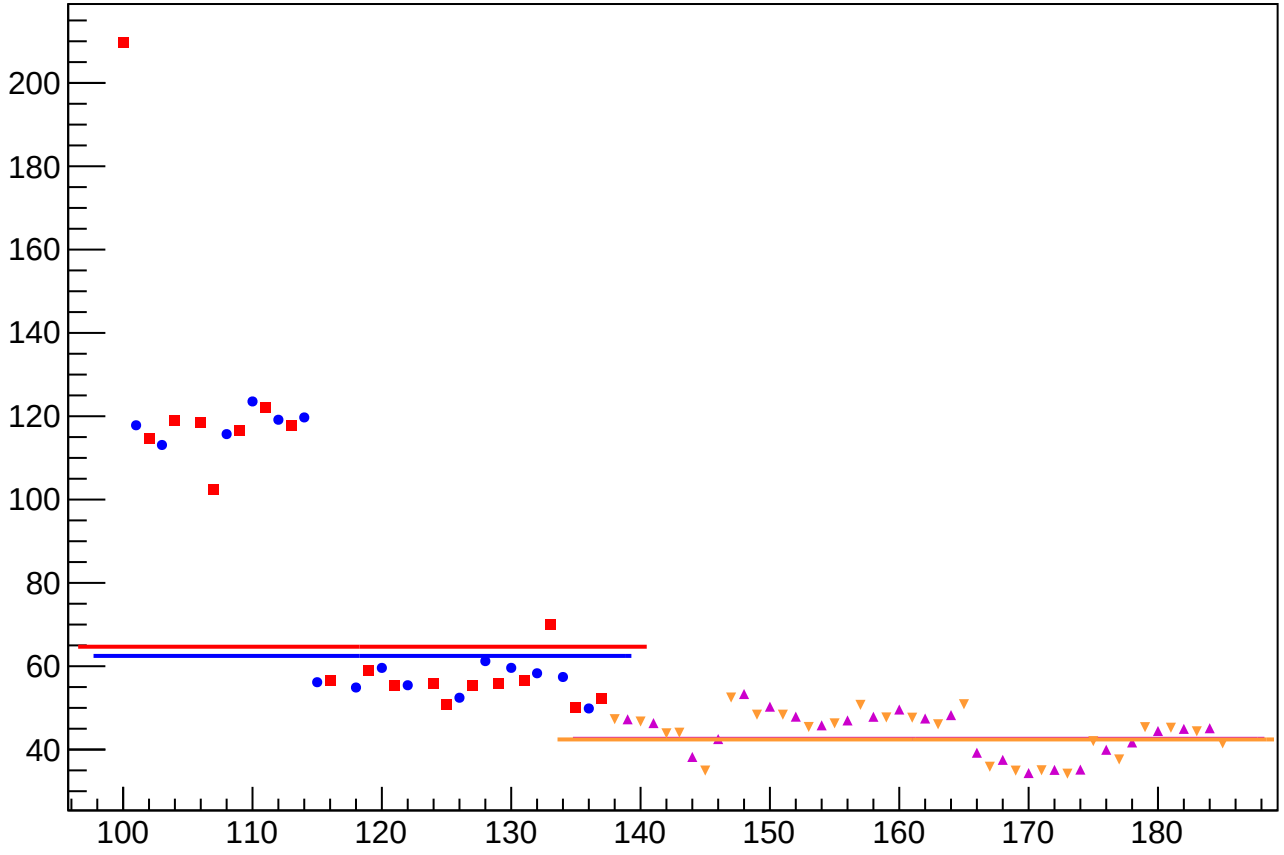
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.442+/-9.055 χ^2/NDF: 55.1/40

All: 10.510+/-6.506 χ^2/NDF: 115.2/82

- 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: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

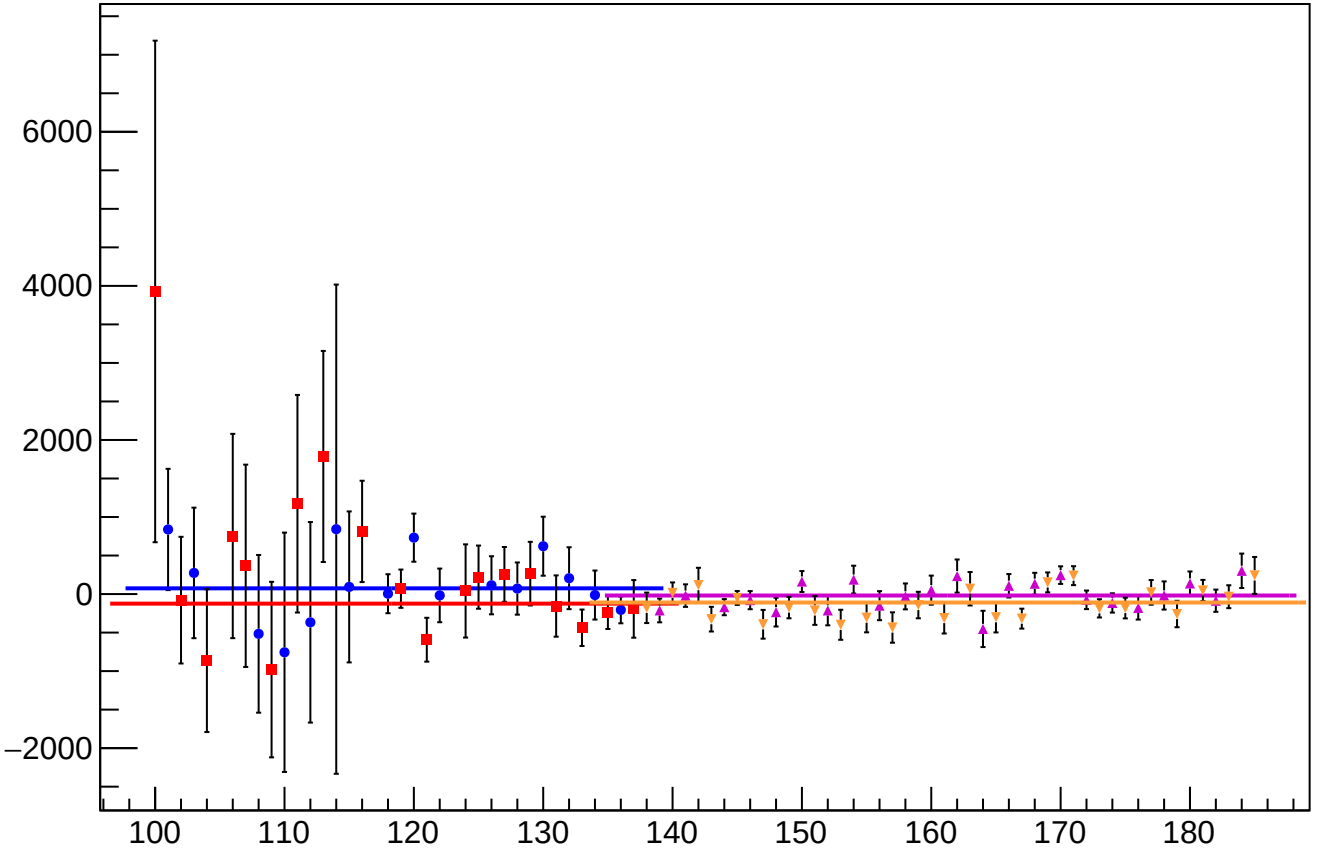
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.167+/-0.006 χ^2/NDF: 3204149.1/40

All: 45.393+/-0.005 χ^2/NDF: 6716966.2/82

- 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: -109.869+/-30.759 χ^2/NDF:36.3/24

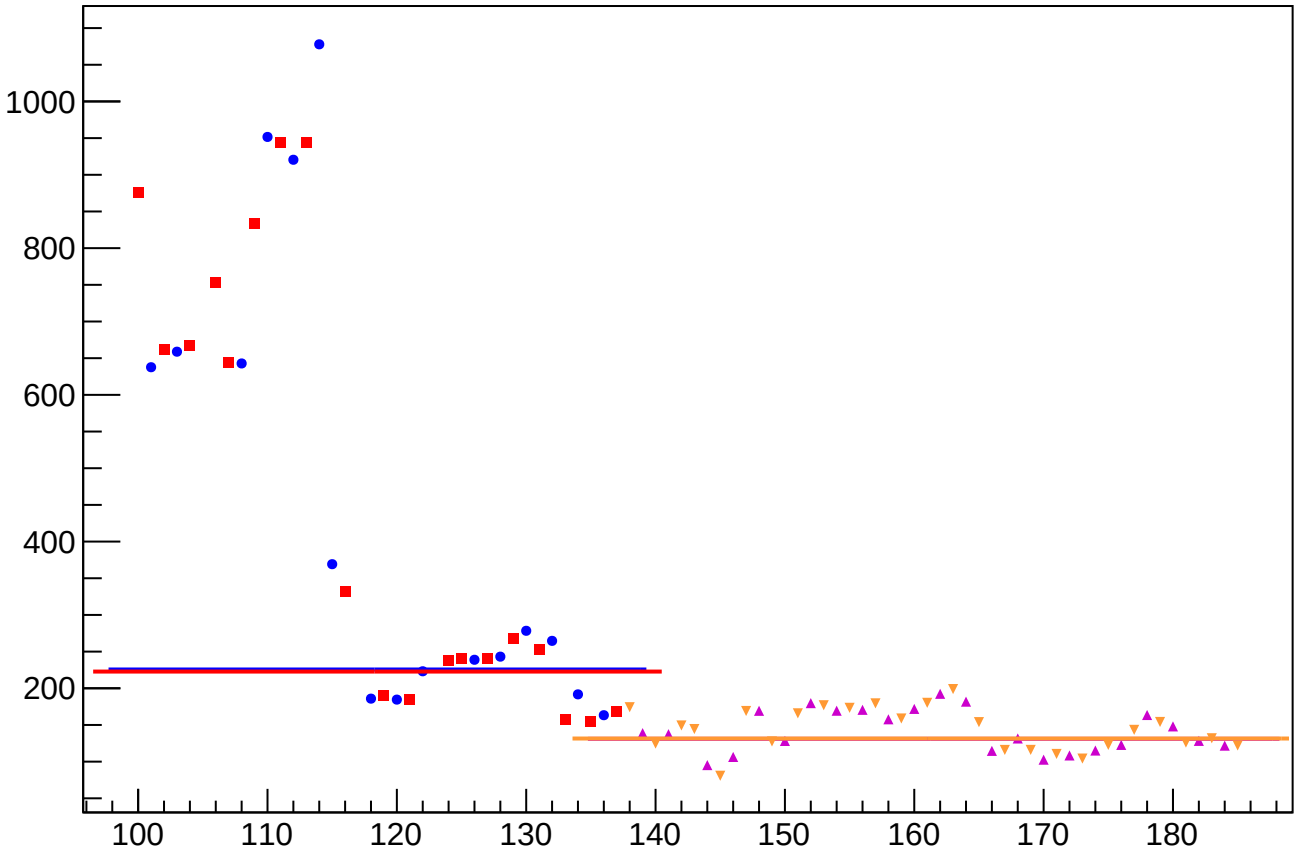
Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -92.225+/-29.248 χ^2/NDF: 50.9/40

All: -61.436+/-20.898 χ^2/NDF: 97.8/82

- sign -29.327+/-29.869 χ^2/NDF: 44.7/41



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

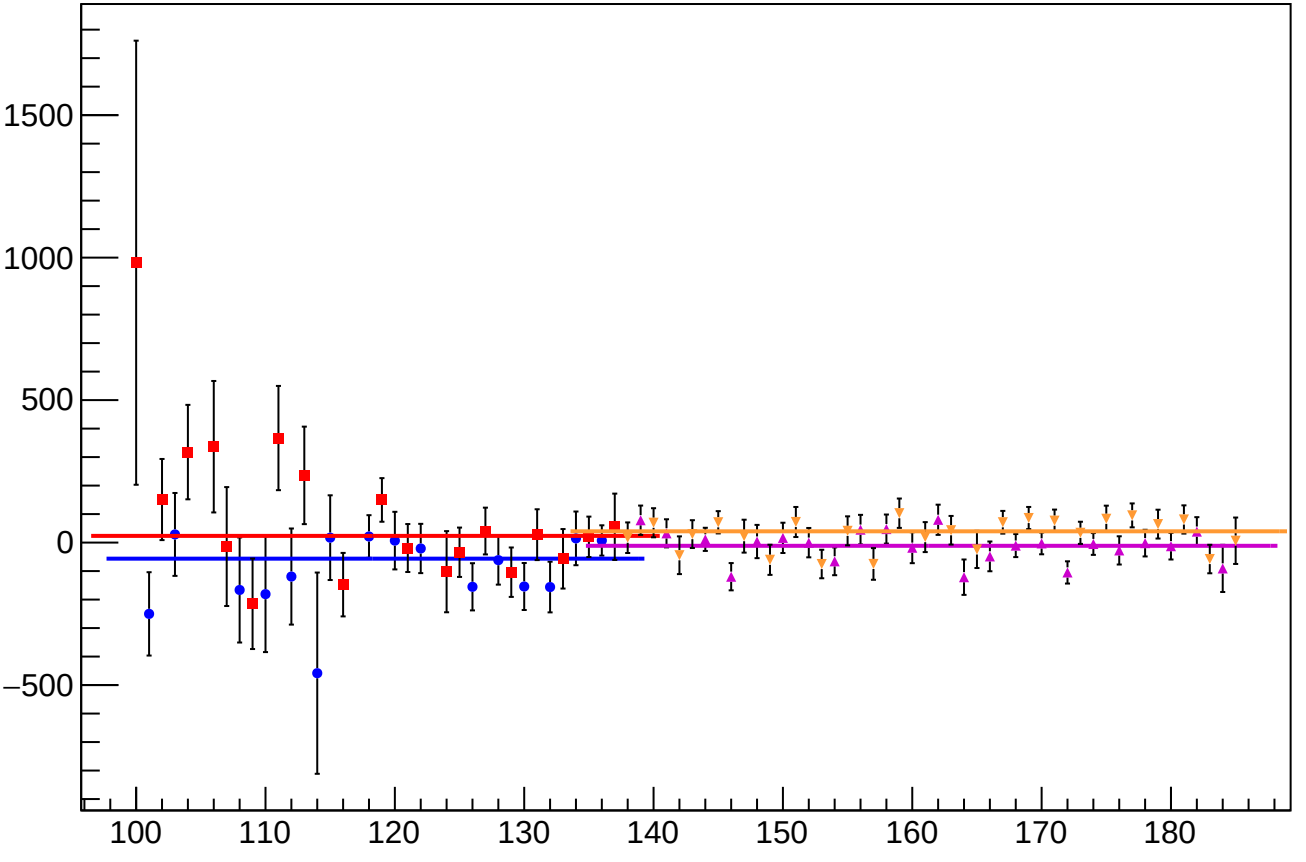
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 140.531+/-0.021 χ^2/NDF: 6722333.2/40

All: 140.371+/-0.015 χ^2/NDF: 13728705.0/82

- 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: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

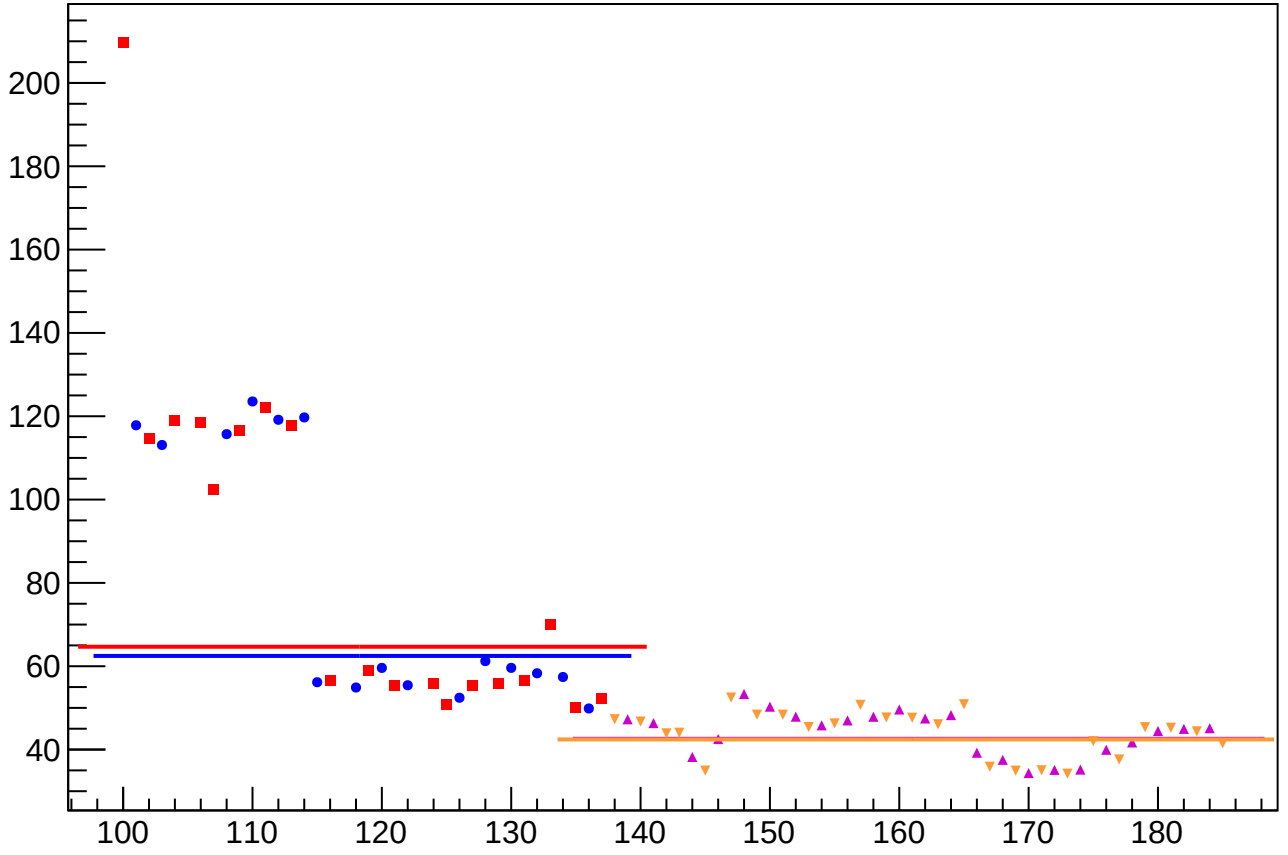
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.443+/-9.055 χ^2/NDF: 55.1/40

All: 10.511+/-6.506 χ^2/NDF: 115.2/82

- 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: 42.426+/-0.007 χ^2/NDF:698784.4/24

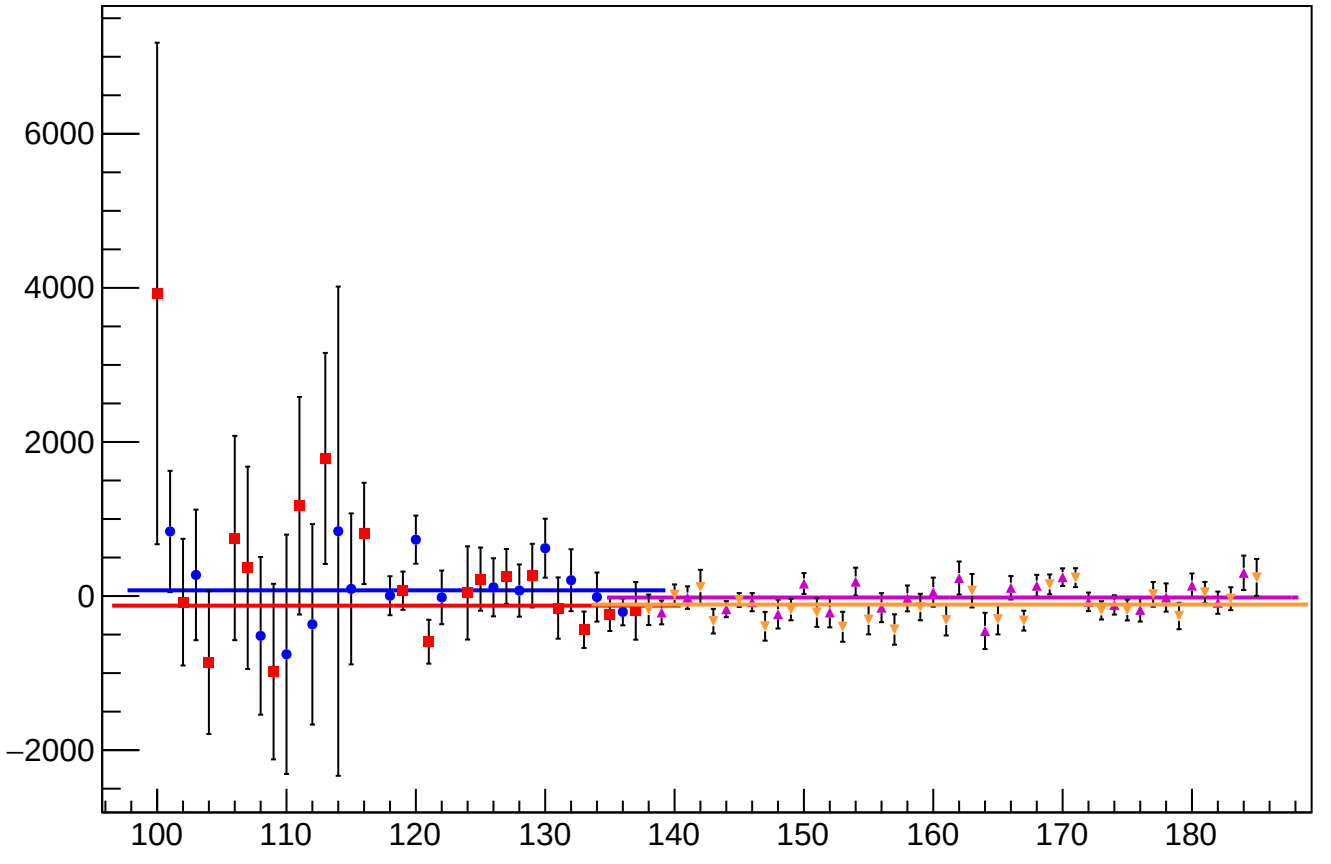
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.167+/-0.006 χ^2/NDF: 3204106.3/40

All: 45.393+/-0.005 χ^2/NDF: 6716876.7/82

- 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: -109.869+/-30.759 χ^2/NDF:36.3/24

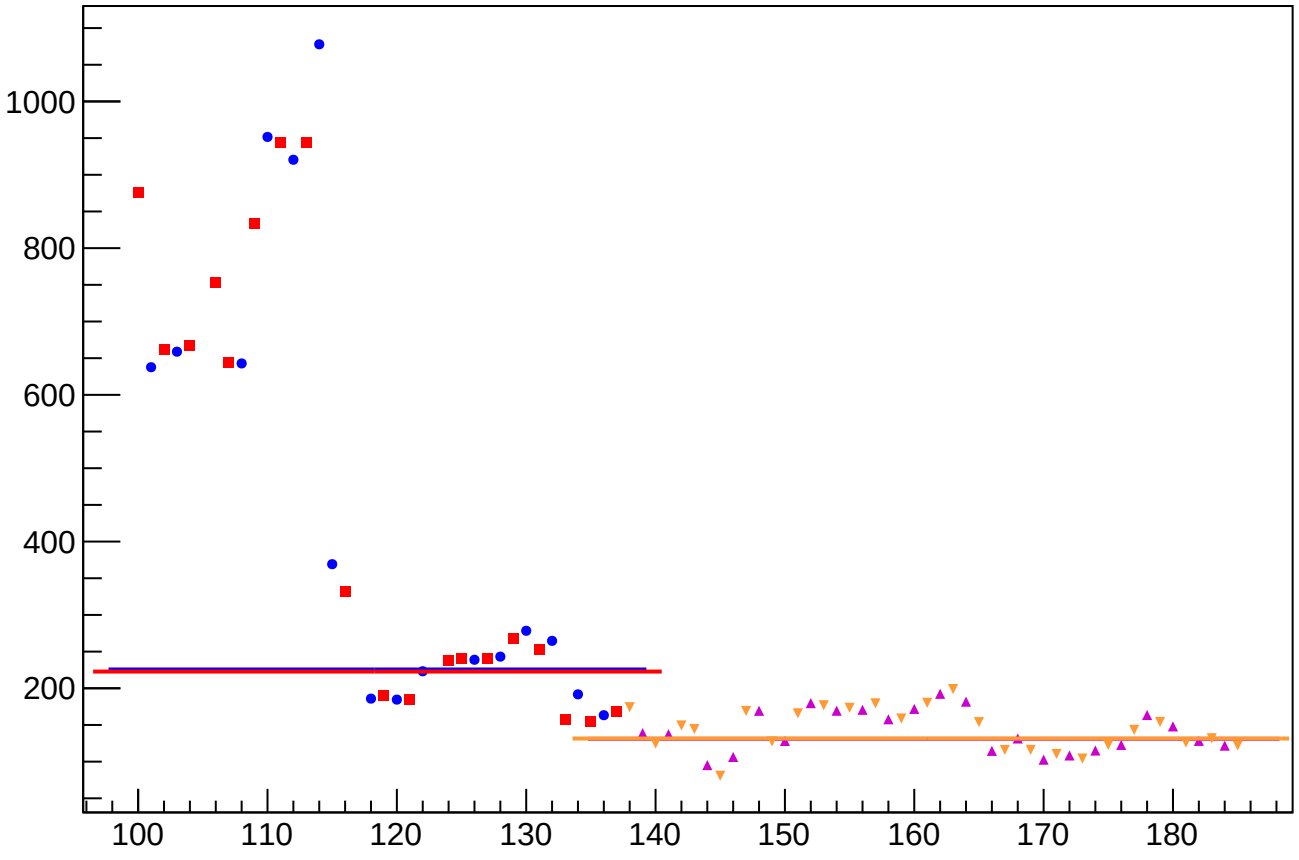
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -92.225+/-29.248 χ^2/NDF: 50.9/40

All: -61.436+/-20.898 χ^2/NDF: 97.8/82

- 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: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

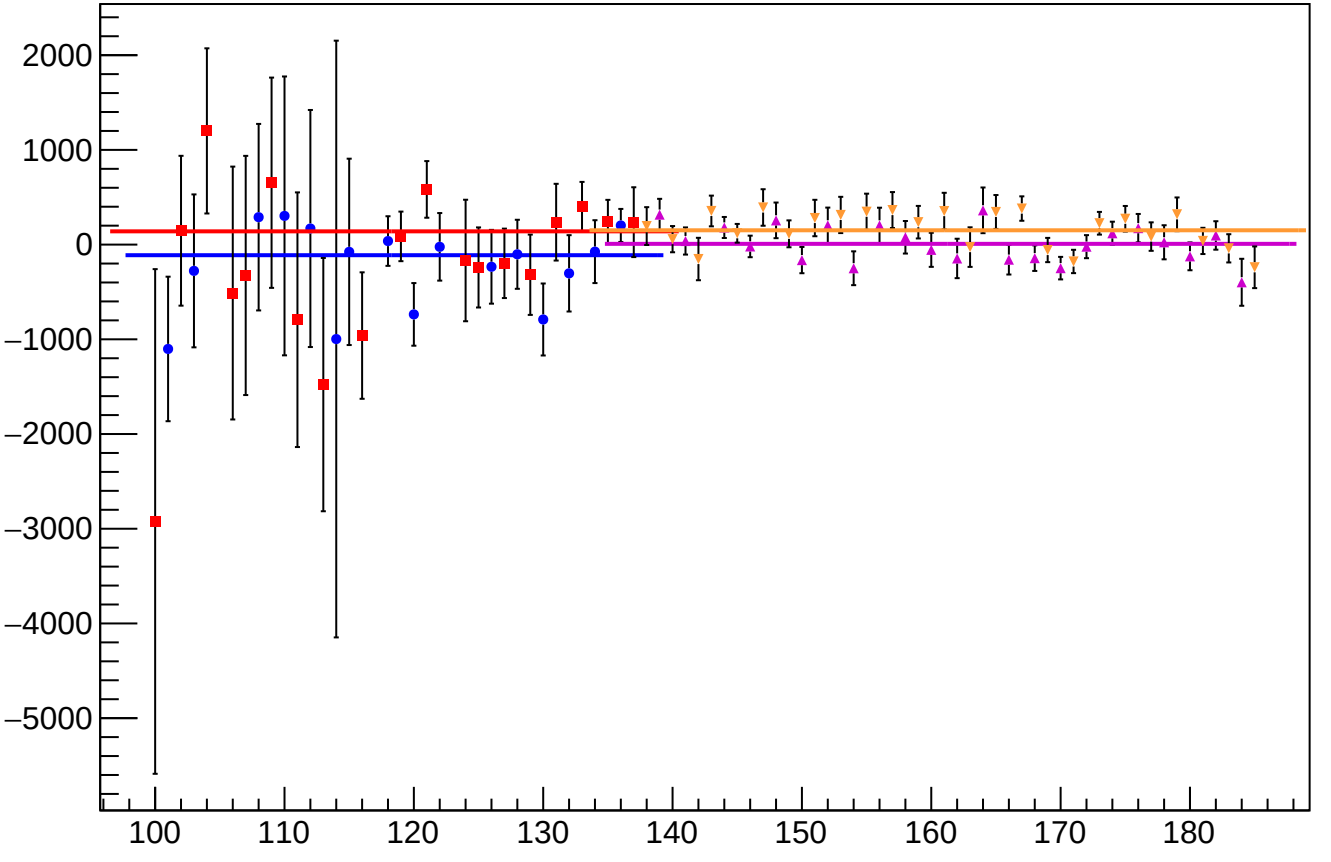
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 140.531+/-0.021 χ^2/NDF: 6722306.3/40

All: 140.371+/-0.015 χ^2/NDF: 13728670.2/82

- 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: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

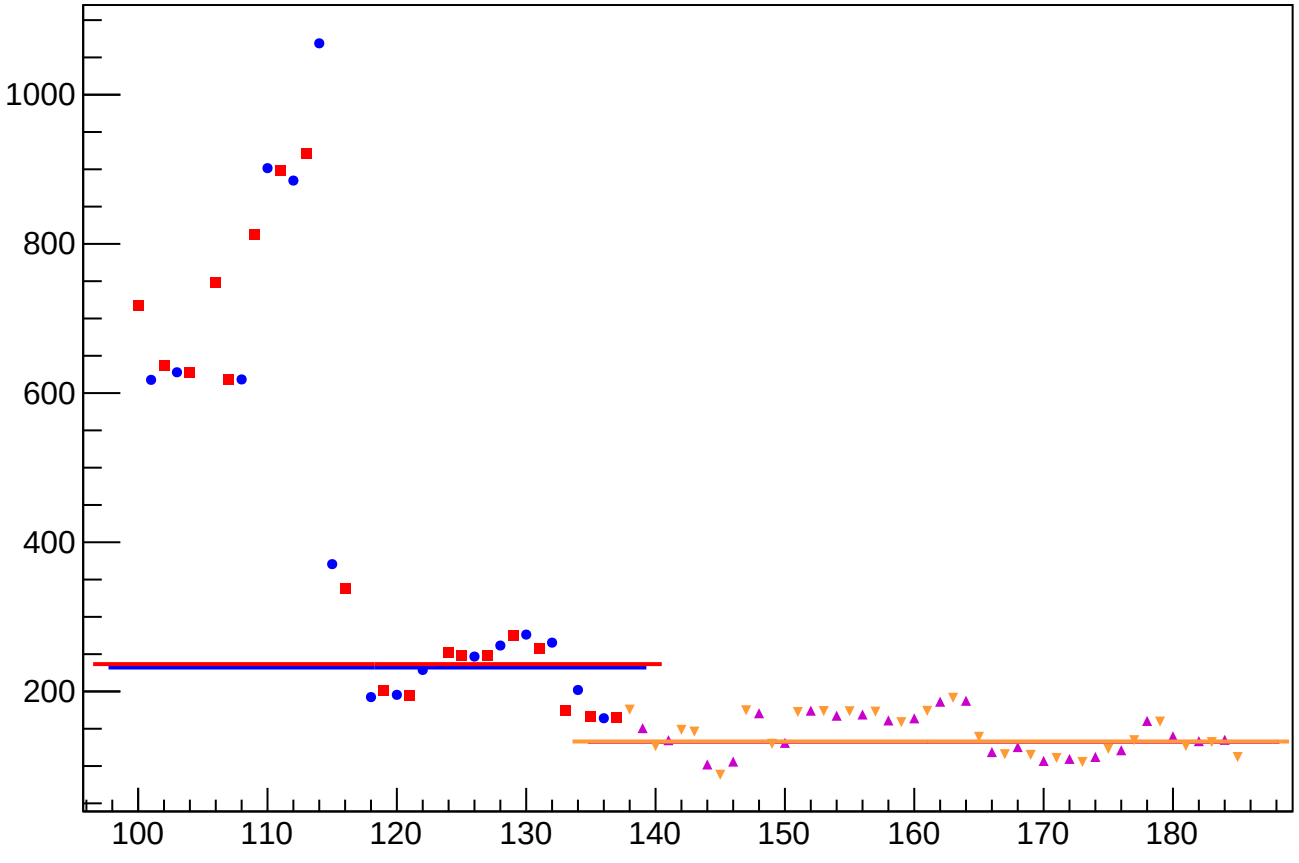
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 126.597+/-29.474 χ^2/NDF: 52.6/40

All: 74.527+/-21.068 χ^2/NDF: 104.7/82

- 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: 132.876+/-0.022 χ^2/NDF:1592310.5/24

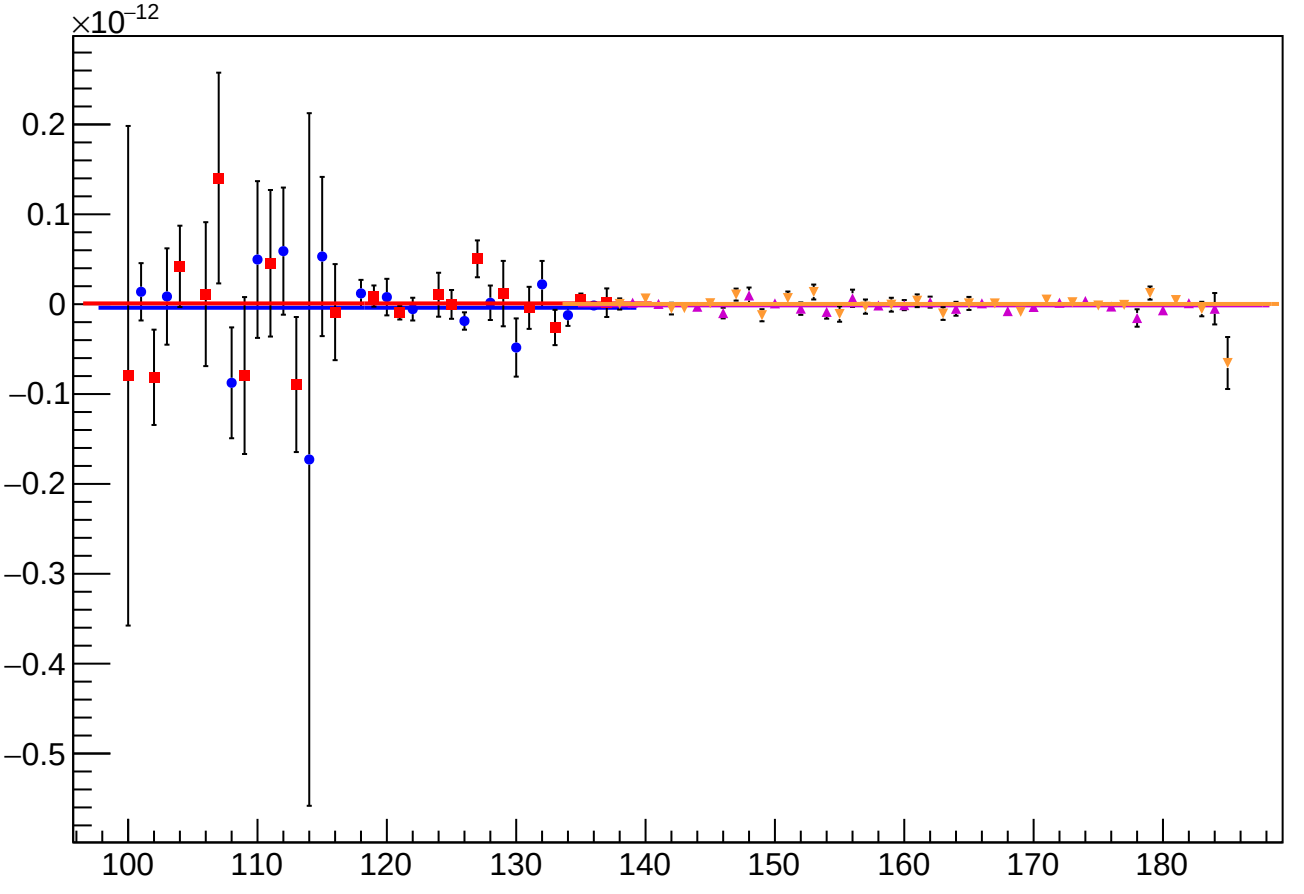
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 142.123+/-0.021 χ^2/NDF: 6393536.0/40

All: 142.047+/-0.015 χ^2/NDF: 13200517.3/82

- 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:32.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

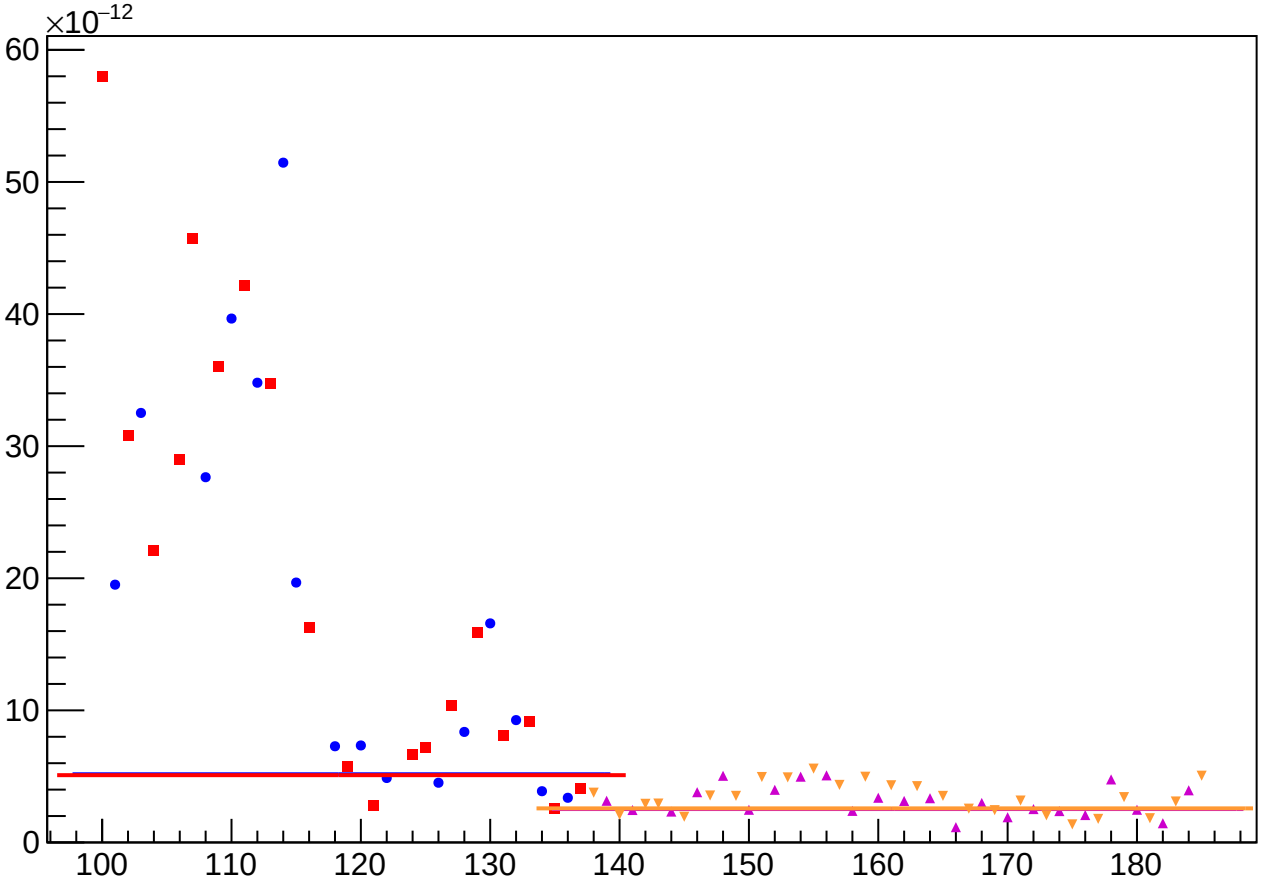
Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/40

All: -0.000+/-0.000 χ^2/NDF: 78.7/82

- 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:2174042.6/24

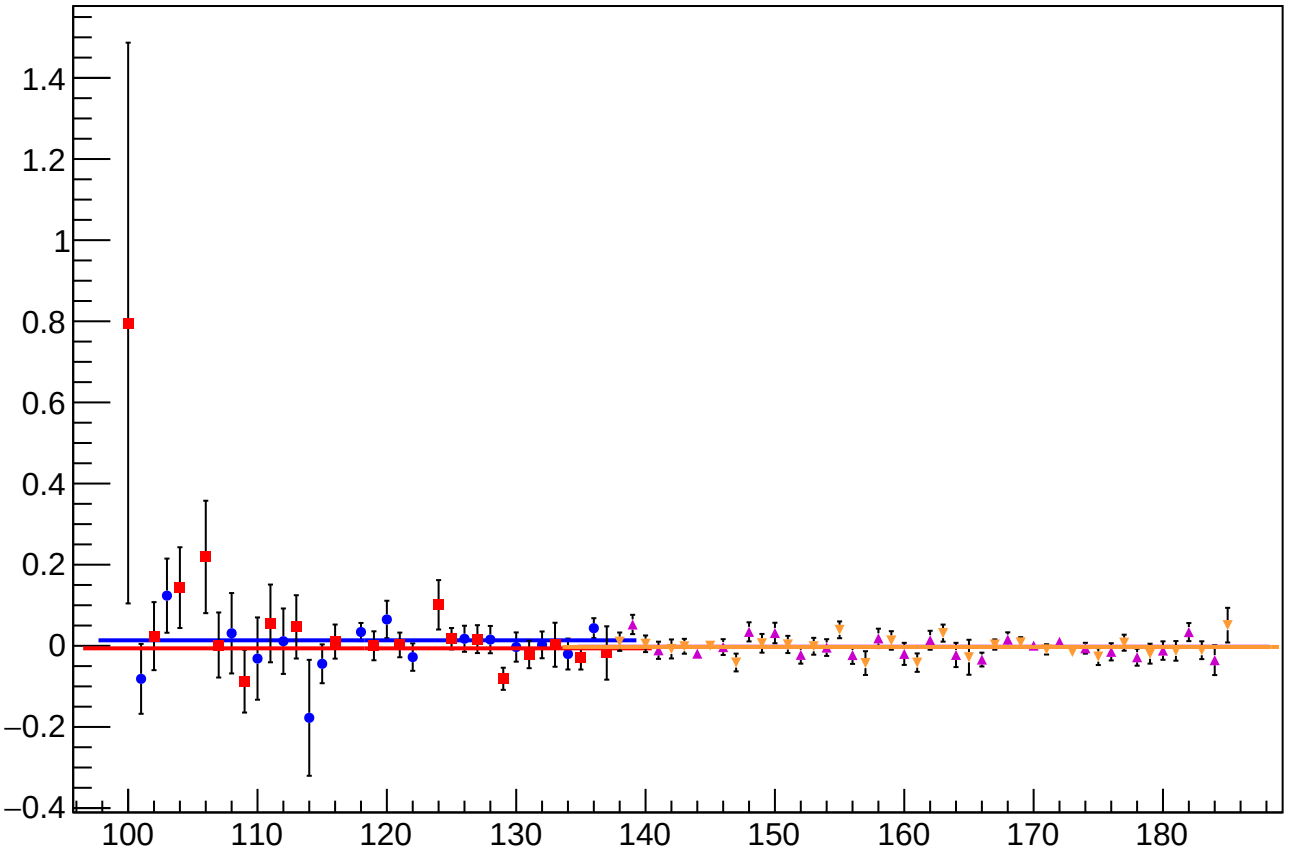
Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5711419.6/40

All: 0.000+/-0.000 χ^2/NDF: 11268634.5/82

- sign 0.000+/-0.000 χ^2/NDF: 5552854.4/41



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

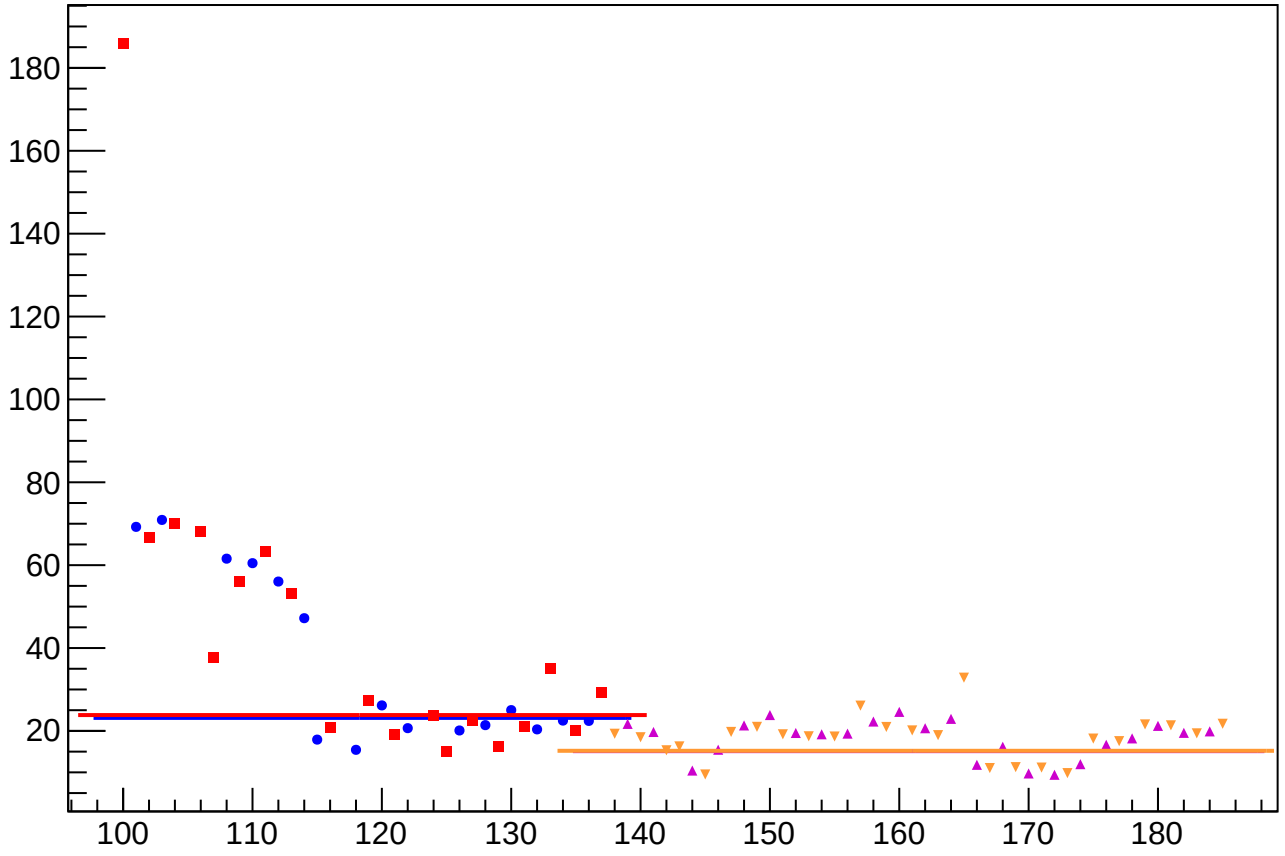
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 37.4/40

All: -0.002+/-0.002 χ^2/NDF: 86.1/82

- 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: 15.202+/-0.003 χ^2/NDF:3441921.2/24

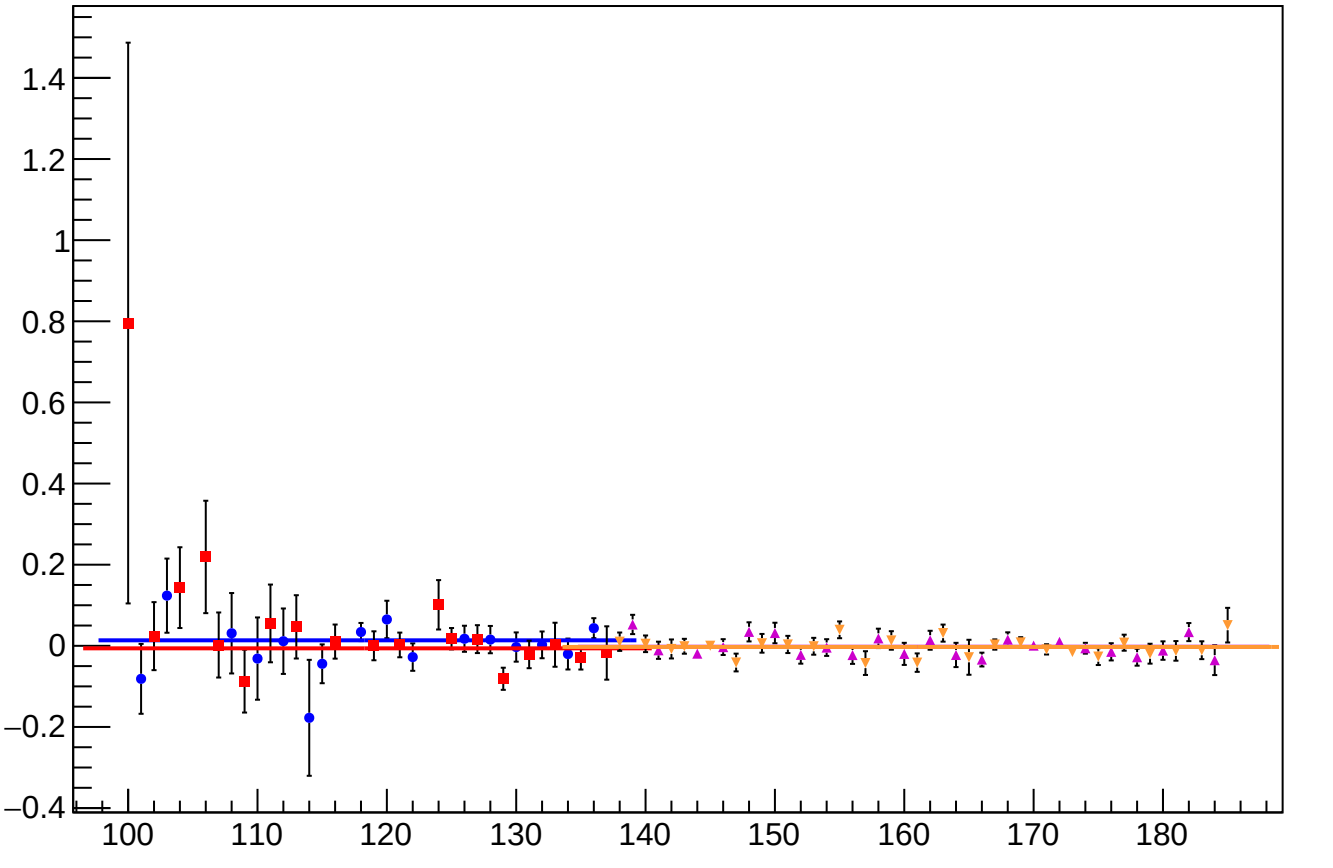
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.187+/-0.002 χ^2/NDF: 6988486.0/40

All: 16.201+/-0.002 χ^2/NDF: 14597384.7/82

\- 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:22.6/24

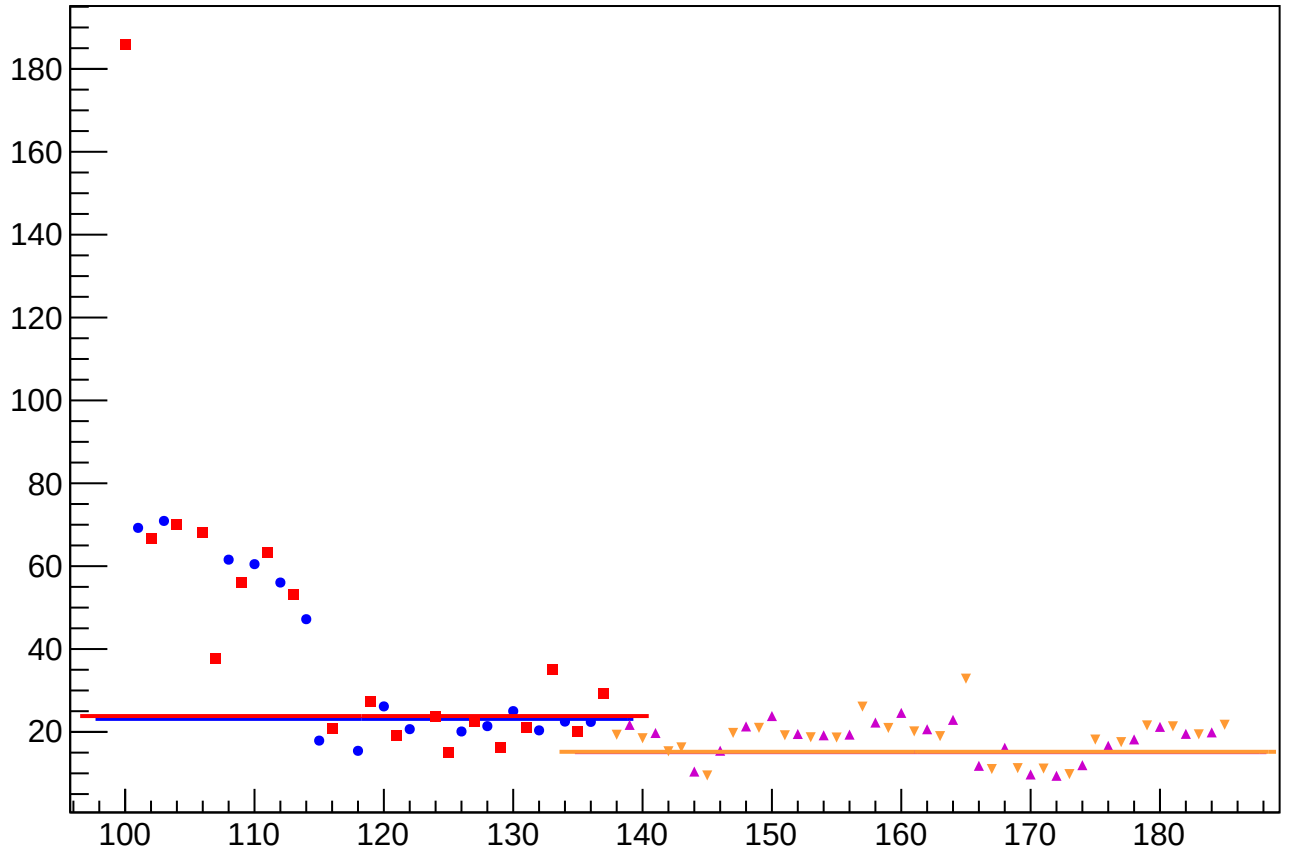
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 37.4/40

All: -0.002+/-0.002 χ^2/NDF: 86.1/82

- 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: 15.202+/-0.003 χ^2/NDF:3441921.2/24

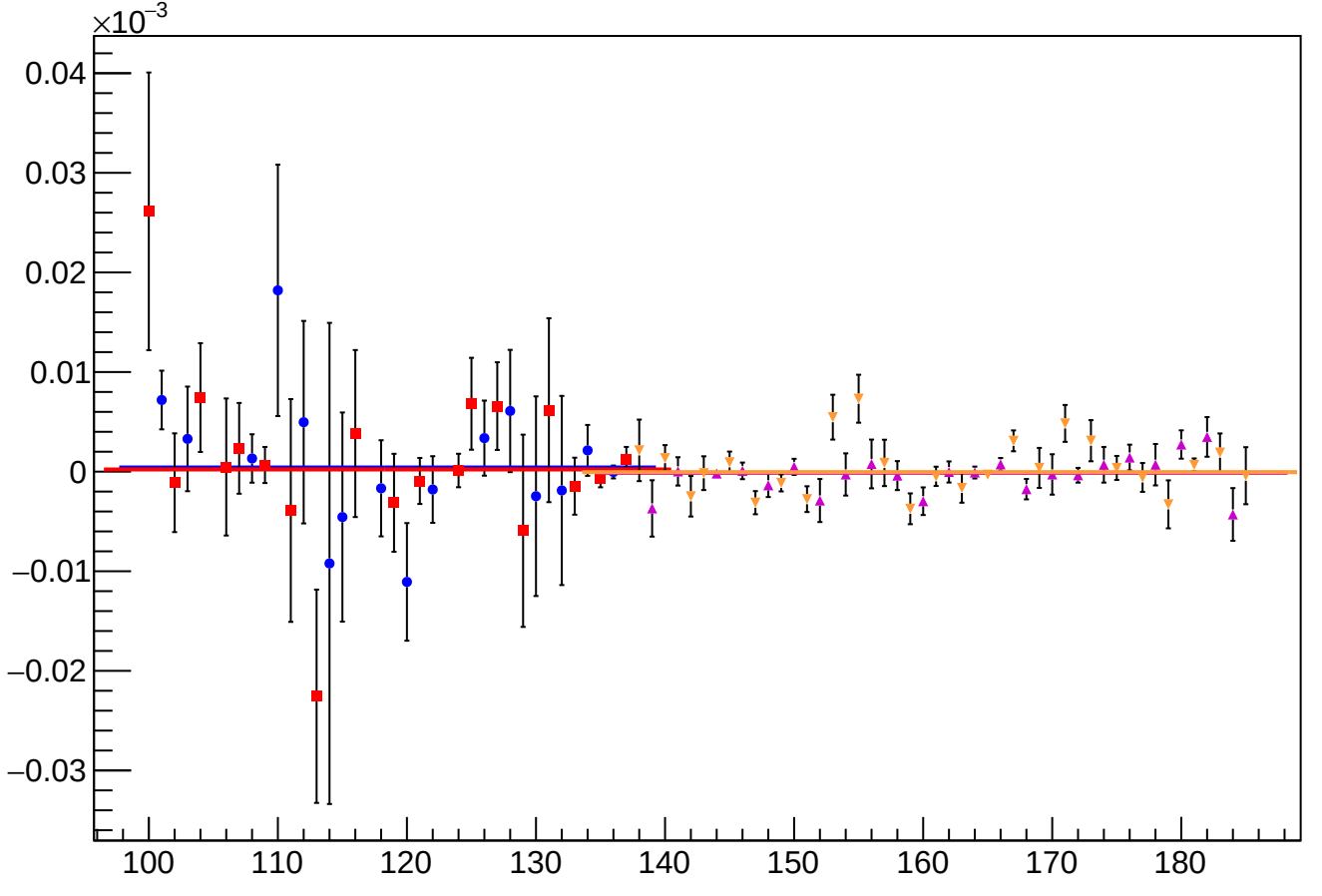
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.187+/-0.002 χ^2/NDF: 6988486.0/40

All: 16.201+/-0.002 χ^2/NDF: 14597384.7/82

- 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:62.8/24

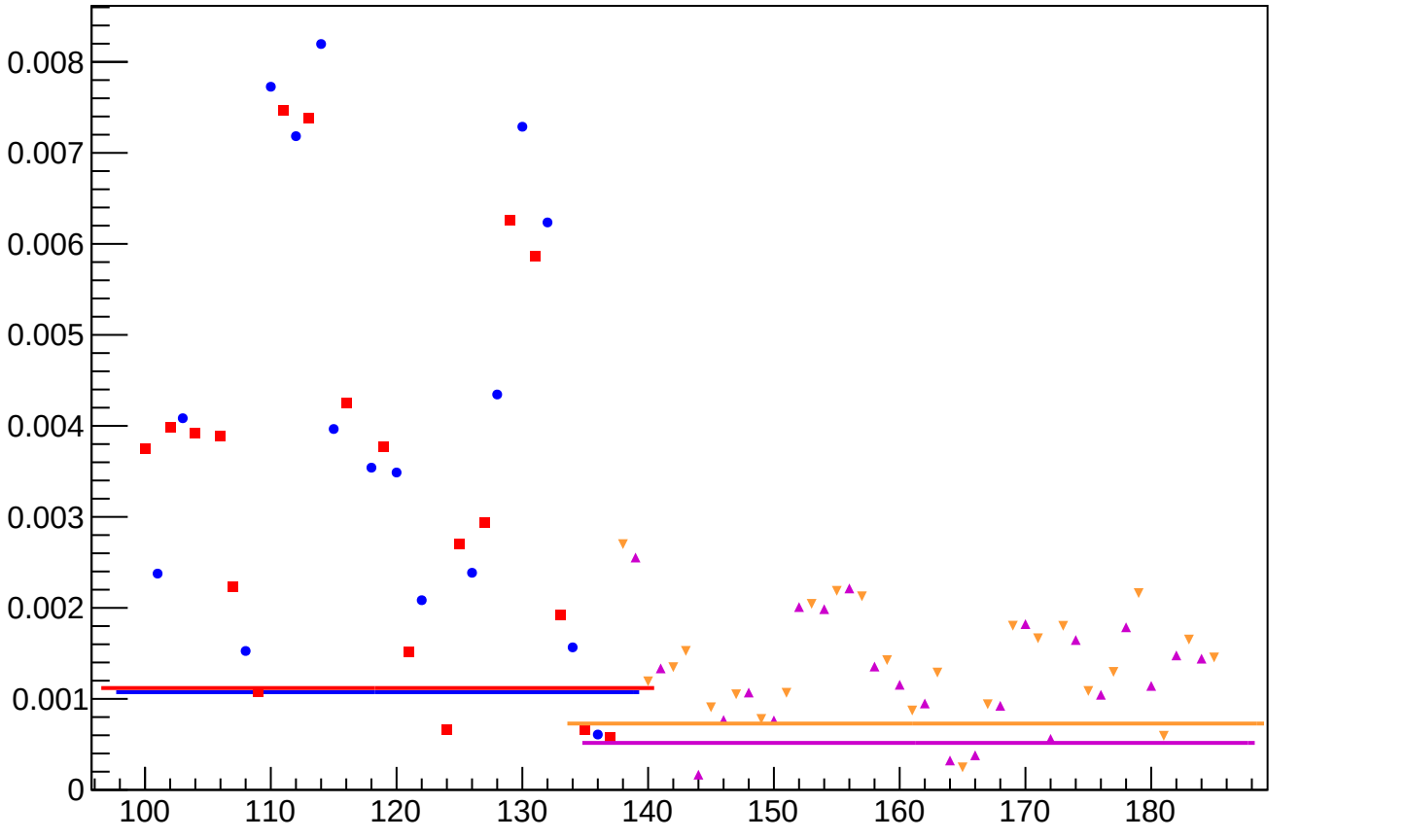
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.7/40

All: -0.000+/-0.000 χ^2/NDF: 122.5/82

- sign -0.000+/-0.000 χ^2/NDF: 43.7/41



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

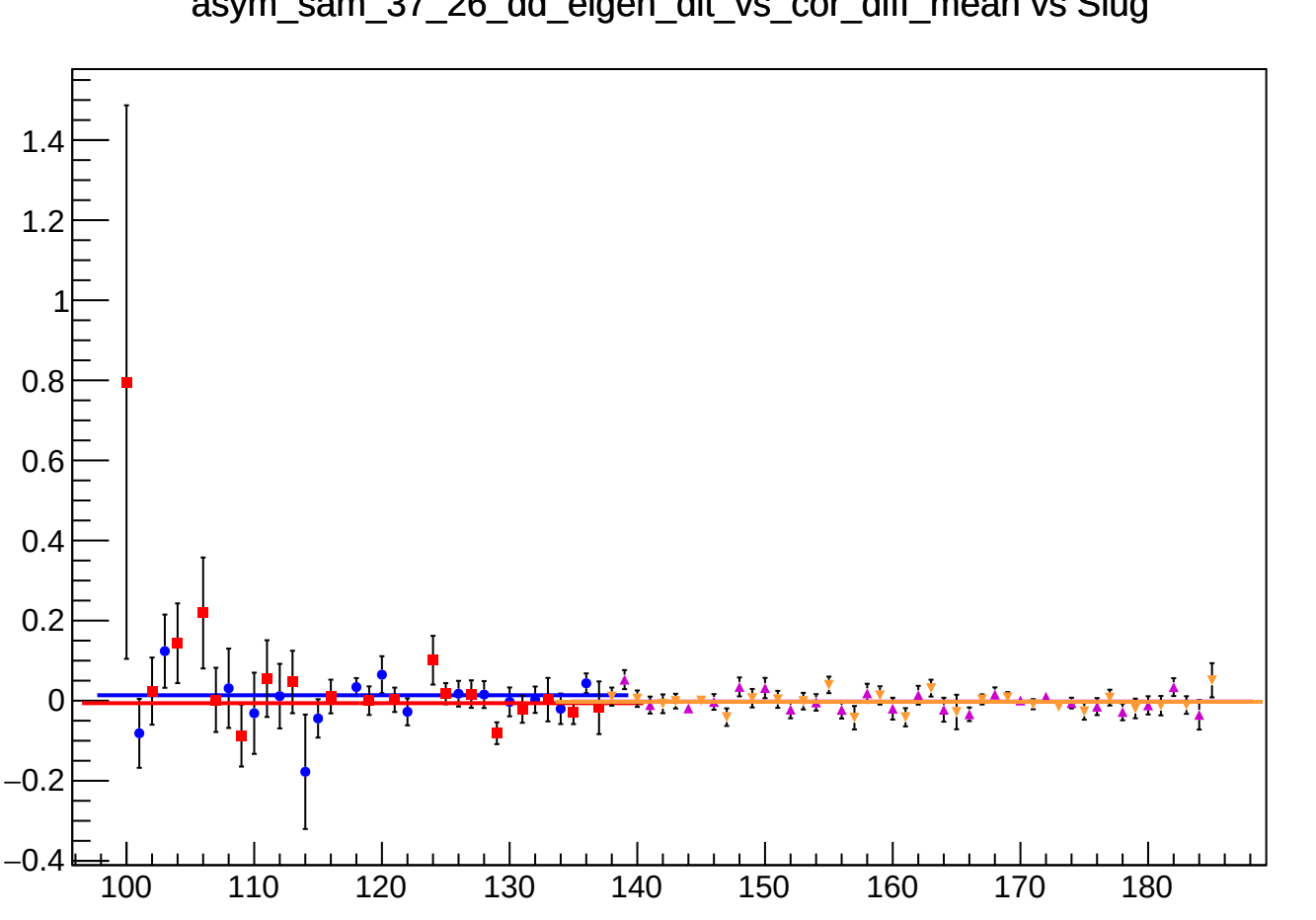
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 20829230.7/40

All: 0.001+/-0.000 χ^2/NDF: 45949370.3/82

- sign 0.001+/-0.000 χ^2/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:22.6/24

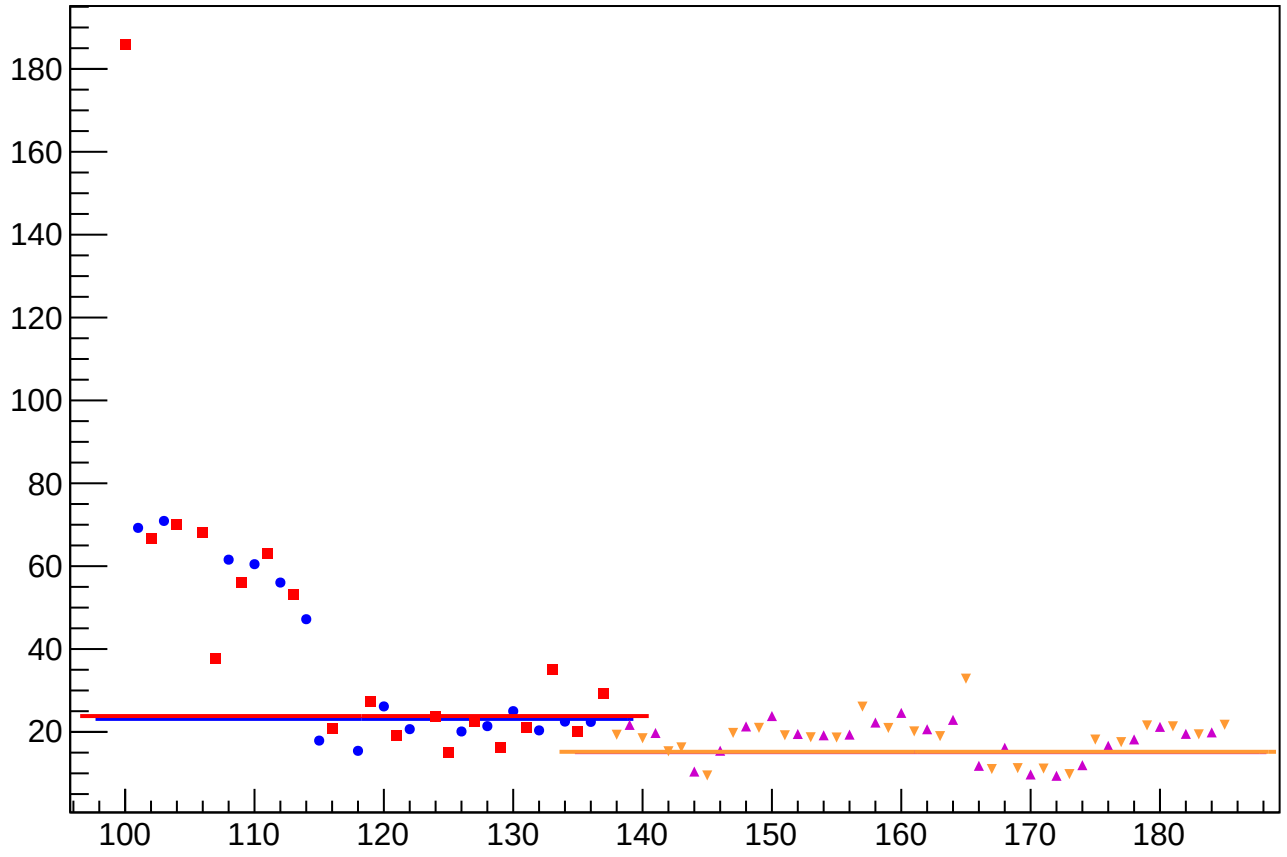
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 37.4/40

All: -0.002+/-0.002 χ^2/NDF: 86.1/82

- 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: 15.202+/-0.003 χ^2/NDF:3442015.2/24

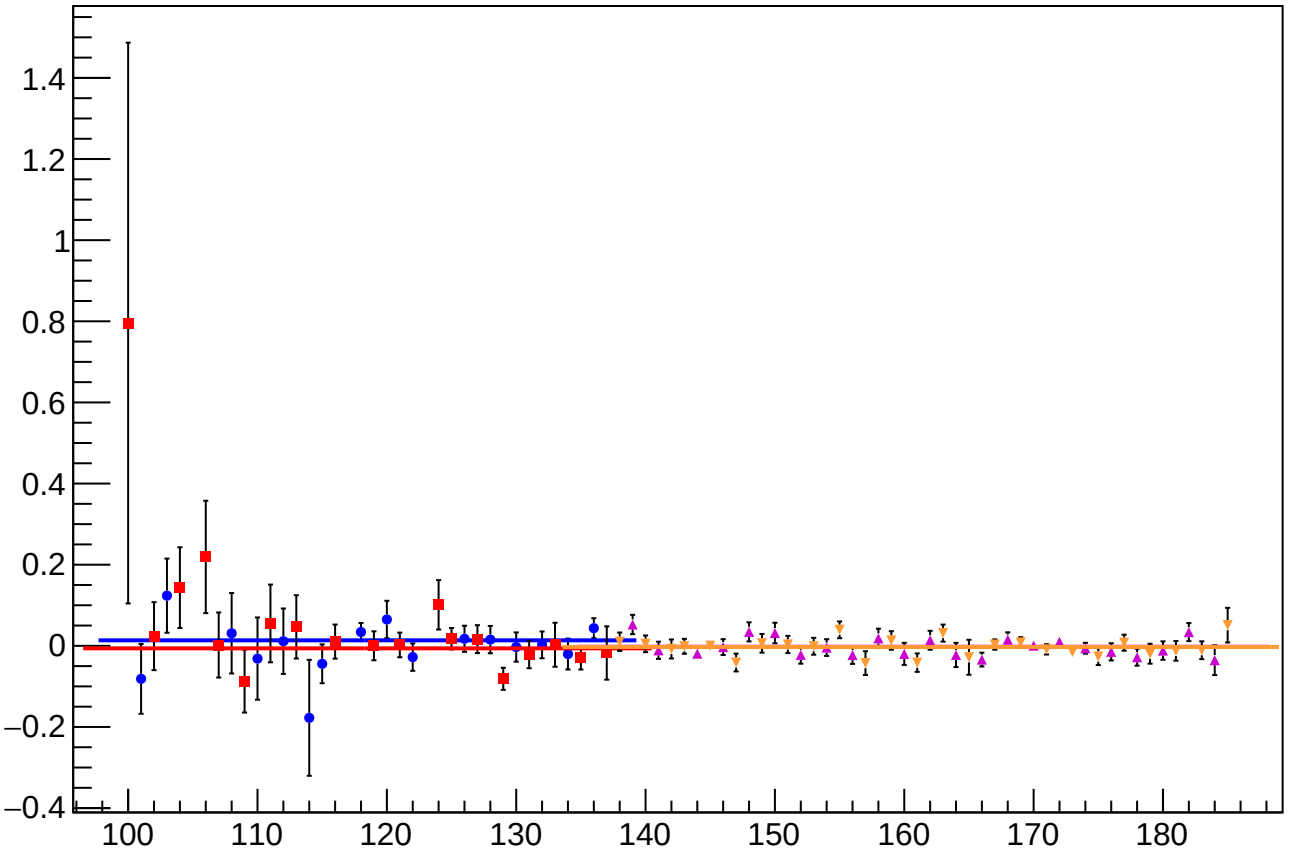
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 16.187+/-0.002 χ^2/NDF: 6988325.2/40

All: 16.201+/-0.002 χ^2/NDF: 14597055.6/82

\- 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:22.6/24

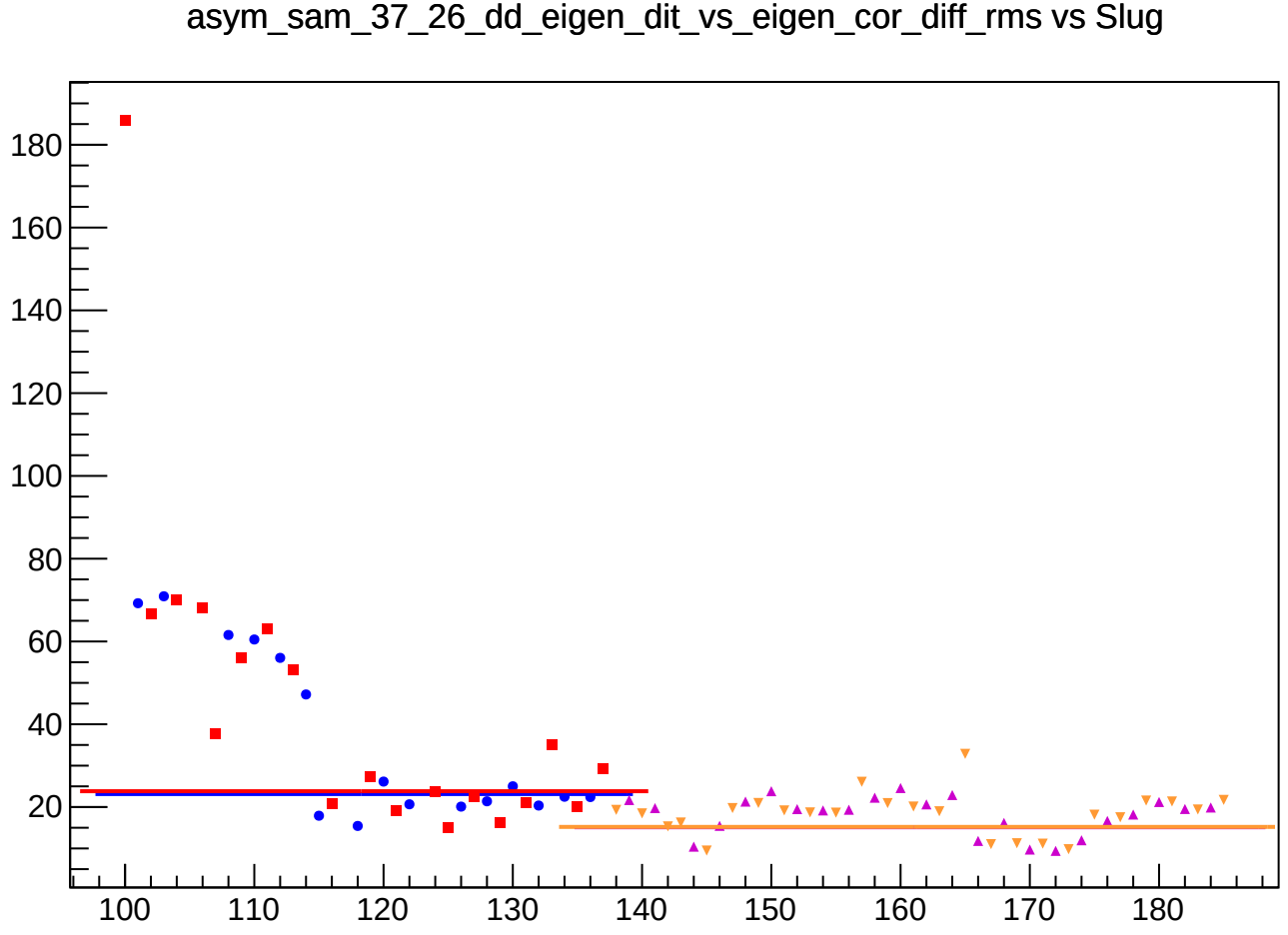
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 37.4/40

All: -0.002+/-0.002 χ^2/NDF: 86.1/82

- 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: 15.202+/-0.003 χ^2/NDF:3442015.2/24

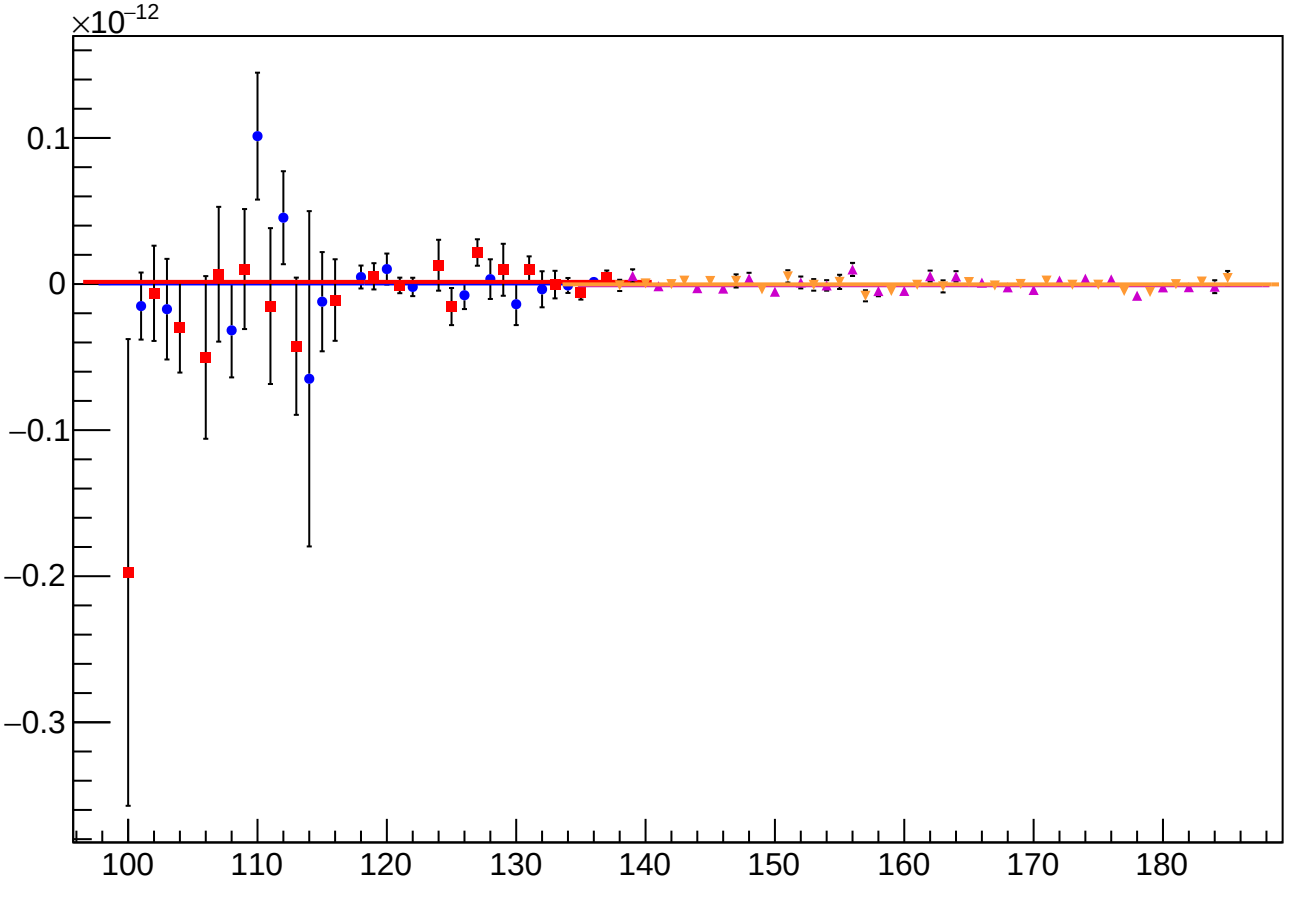
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 16.187+/-0.002 χ^2/NDF: 6988325.2/40

All: 16.201+/-0.002 χ^2/NDF: 14597055.6/82

\- 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:21.4/24

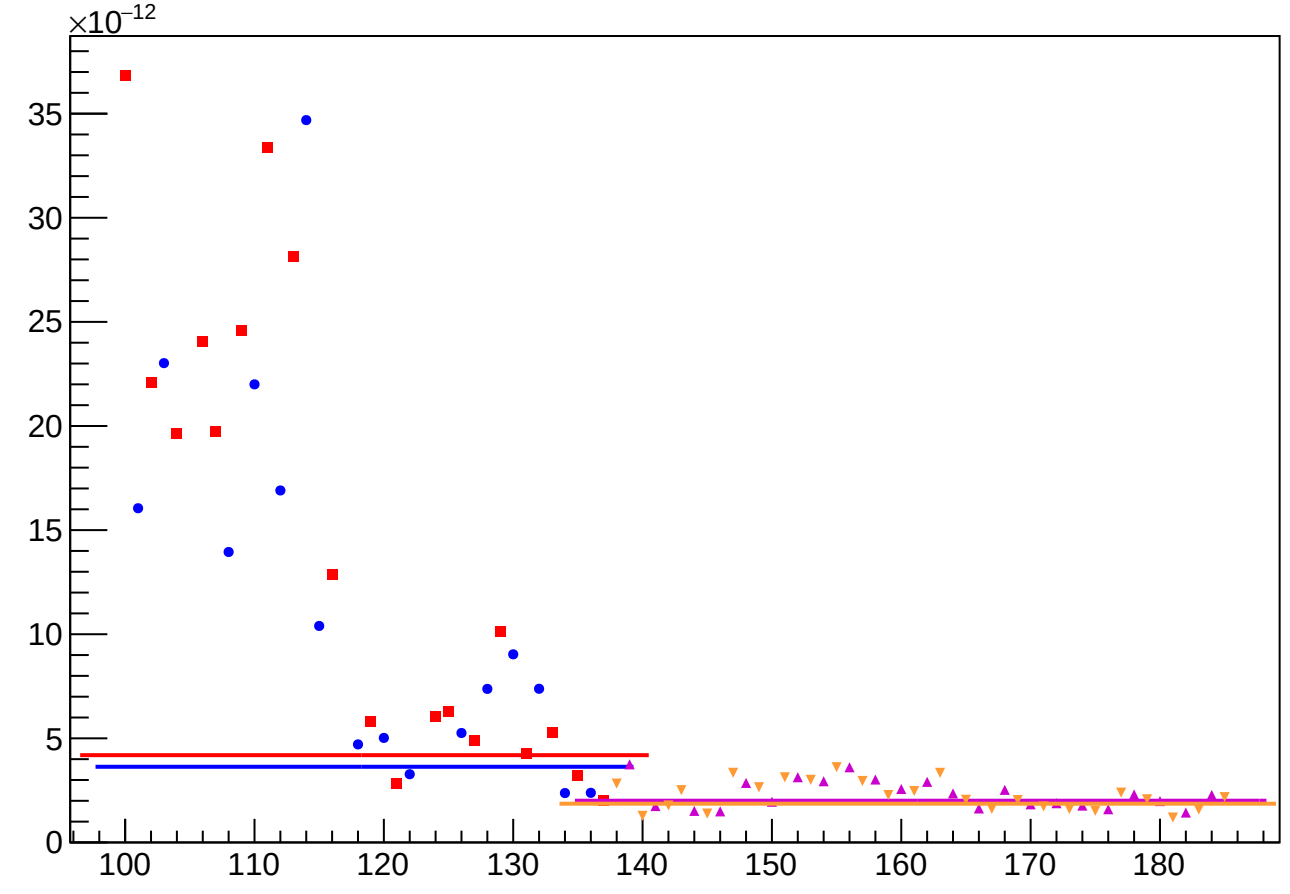
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.4/40

All: -0.000+/-0.000 χ^2/NDF: 90.9/82

- sign -0.000+/-0.000 χ^2/NDF: 56.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

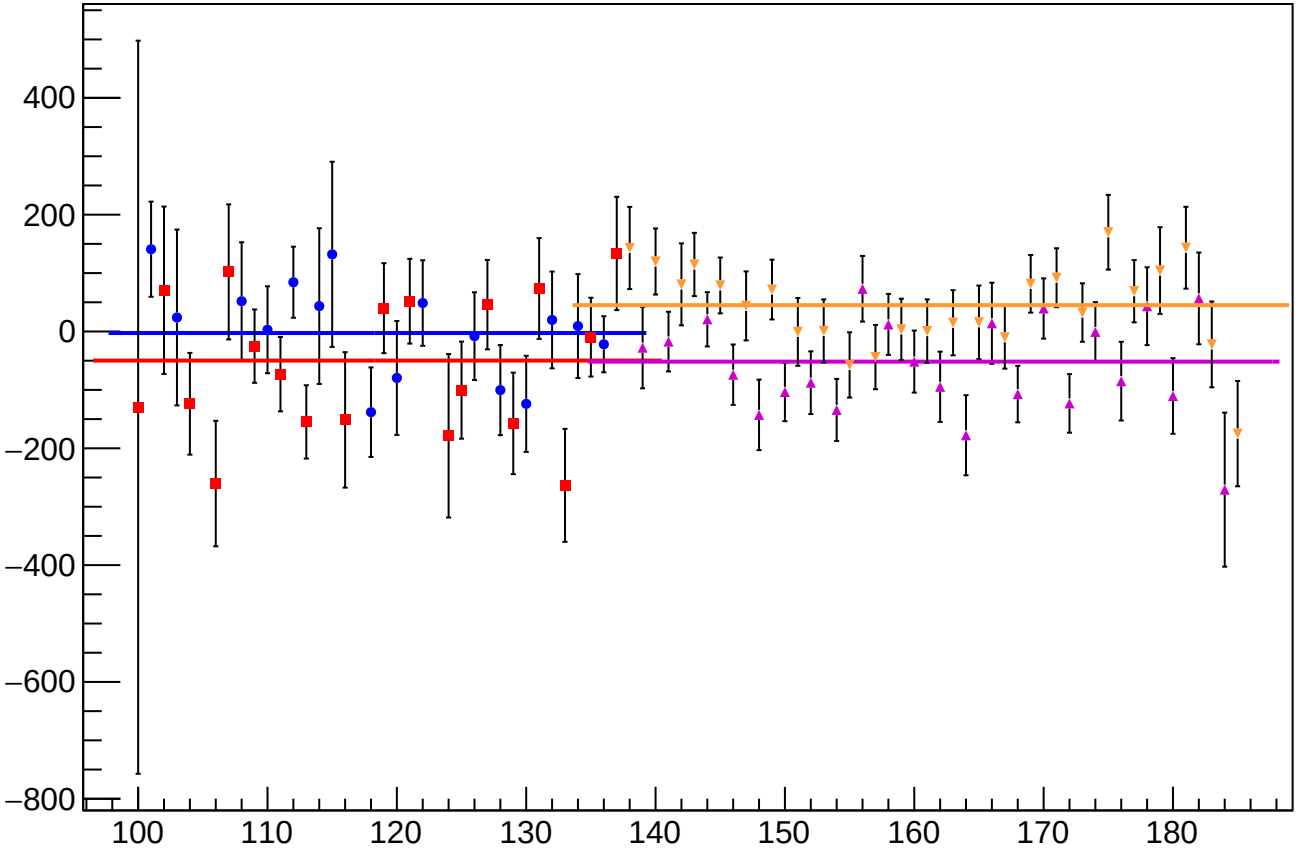
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7632114.2/40

All: 0.000+/-0.000 χ^2/NDF: 15744912.1/82

- sign 0.000+/-0.000 χ^2/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: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

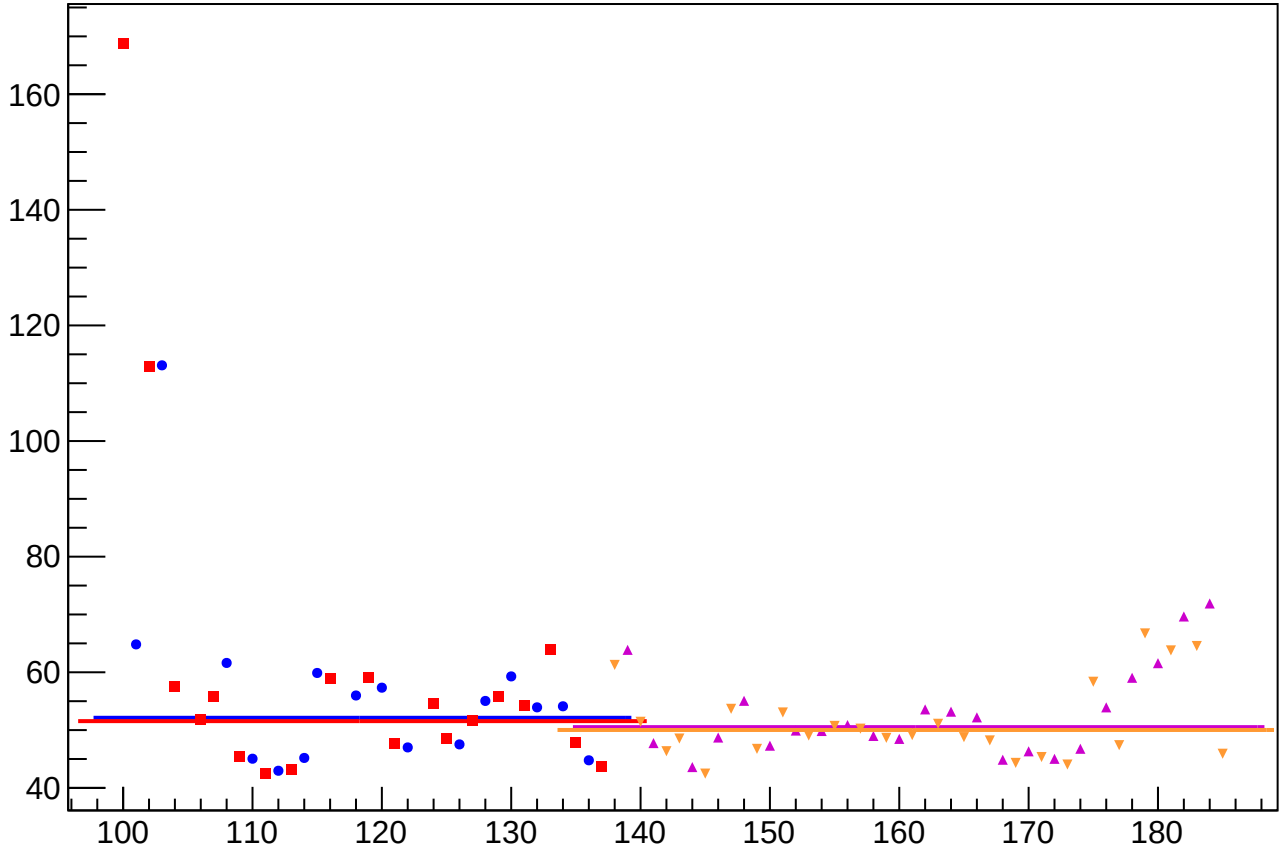
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 33.242+/-9.965 χ^2/NDF: 50.2/40

All: -7.990+/-7.126 χ^2/NDF: 150.5/82

- 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: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

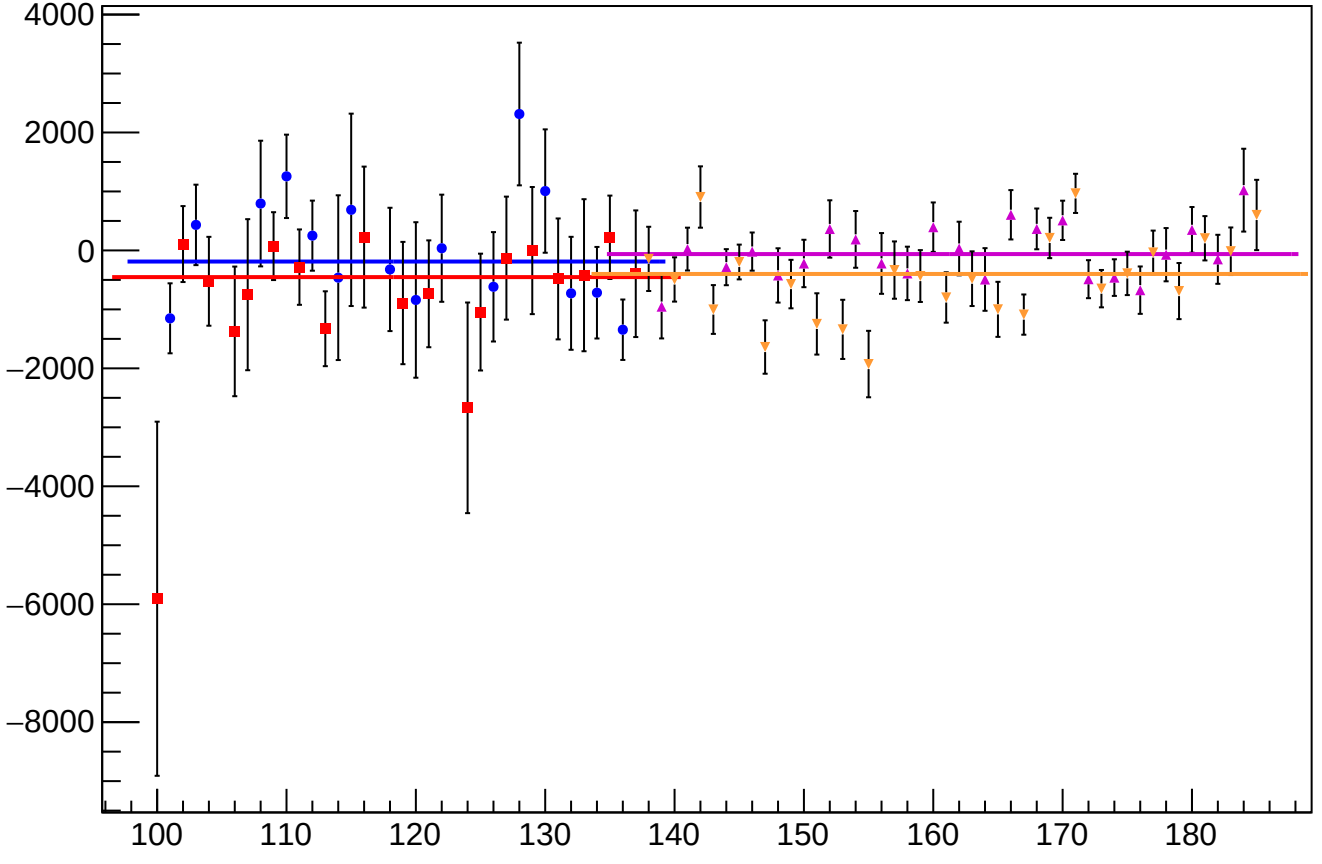
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.545+/-0.007 χ^2/NDF: 1088716.5/40

All: 50.666+/-0.005 χ^2/NDF: 2236378.7/82

- 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: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

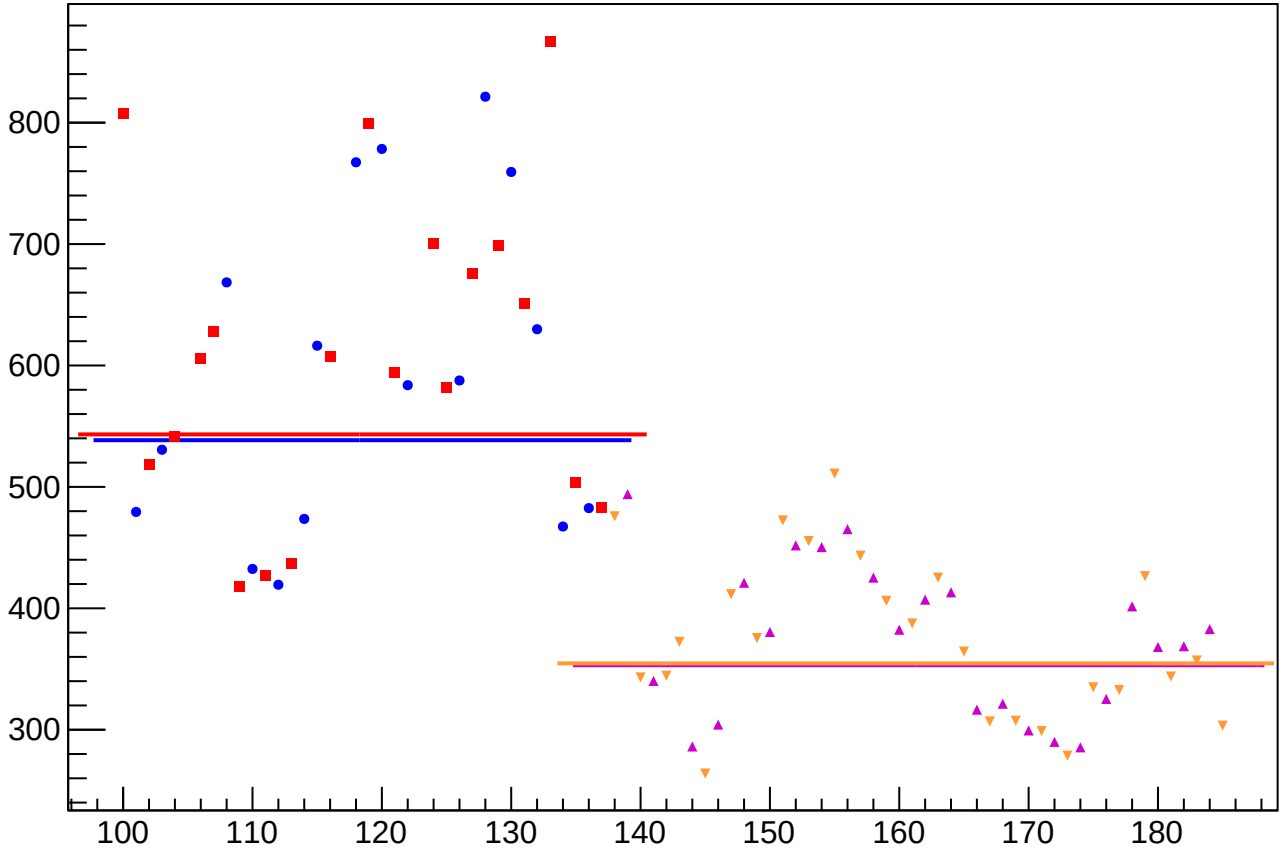
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.446+/-76.227 χ^2/NDF: 87.7/40

All: -246.725+/-54.374 χ^2/NDF: 131.4/82

- 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: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

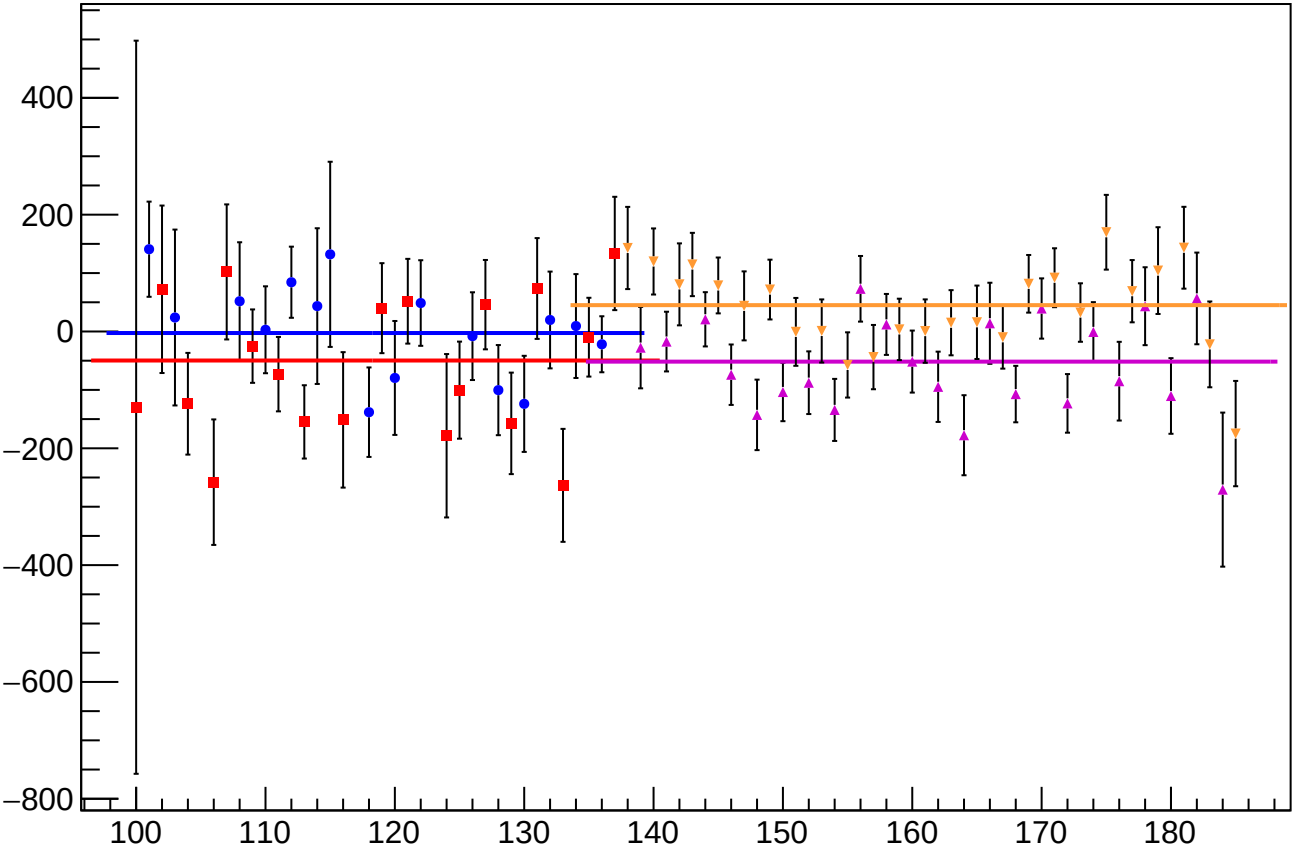
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 379.883+/-0.054 χ^2/NDF: 3135703.6/40

All: 380.251+/-0.038 χ^2/NDF: 6264076.1/82

- 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: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

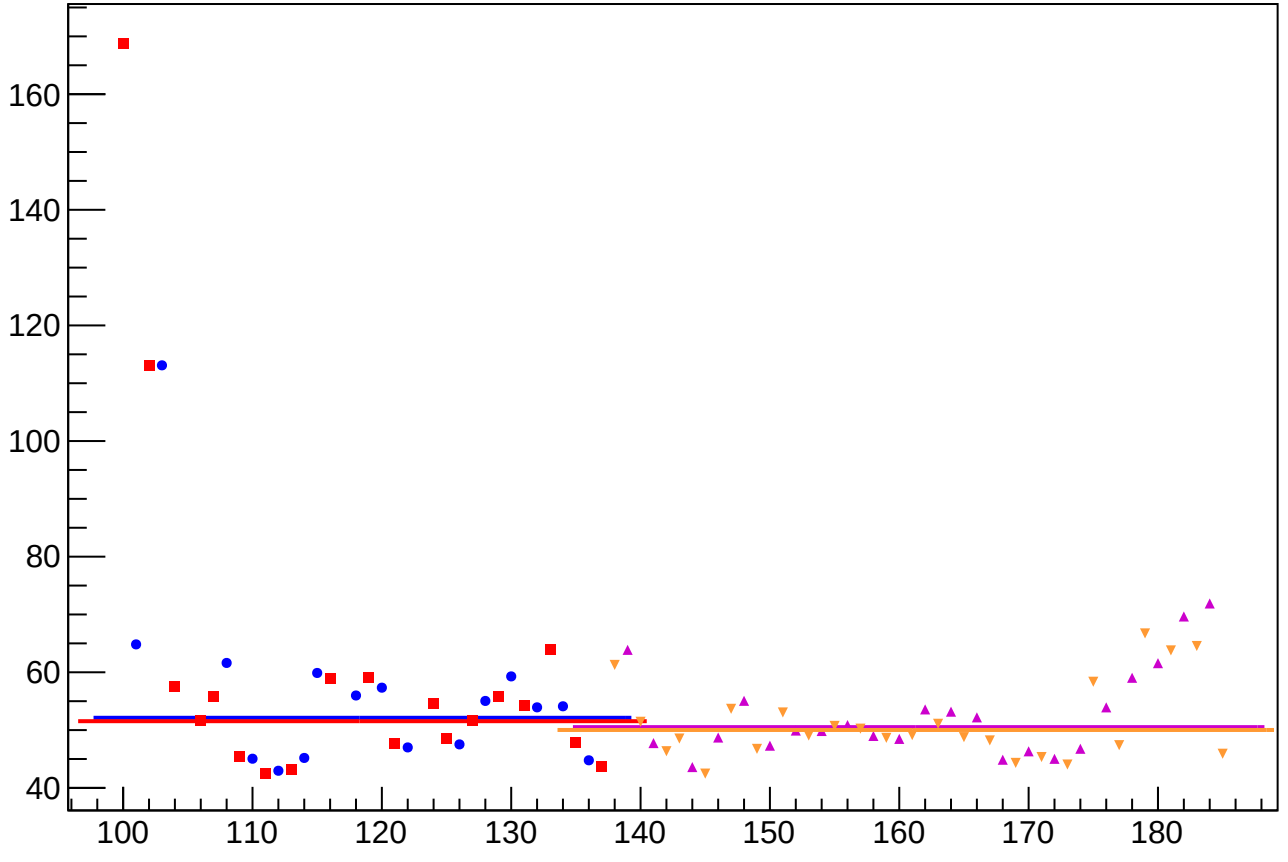
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 33.244+/-9.965 χ^2/NDF: 50.2/40

All: -7.974+/-7.126 χ^2/NDF: 150.4/82

- 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: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

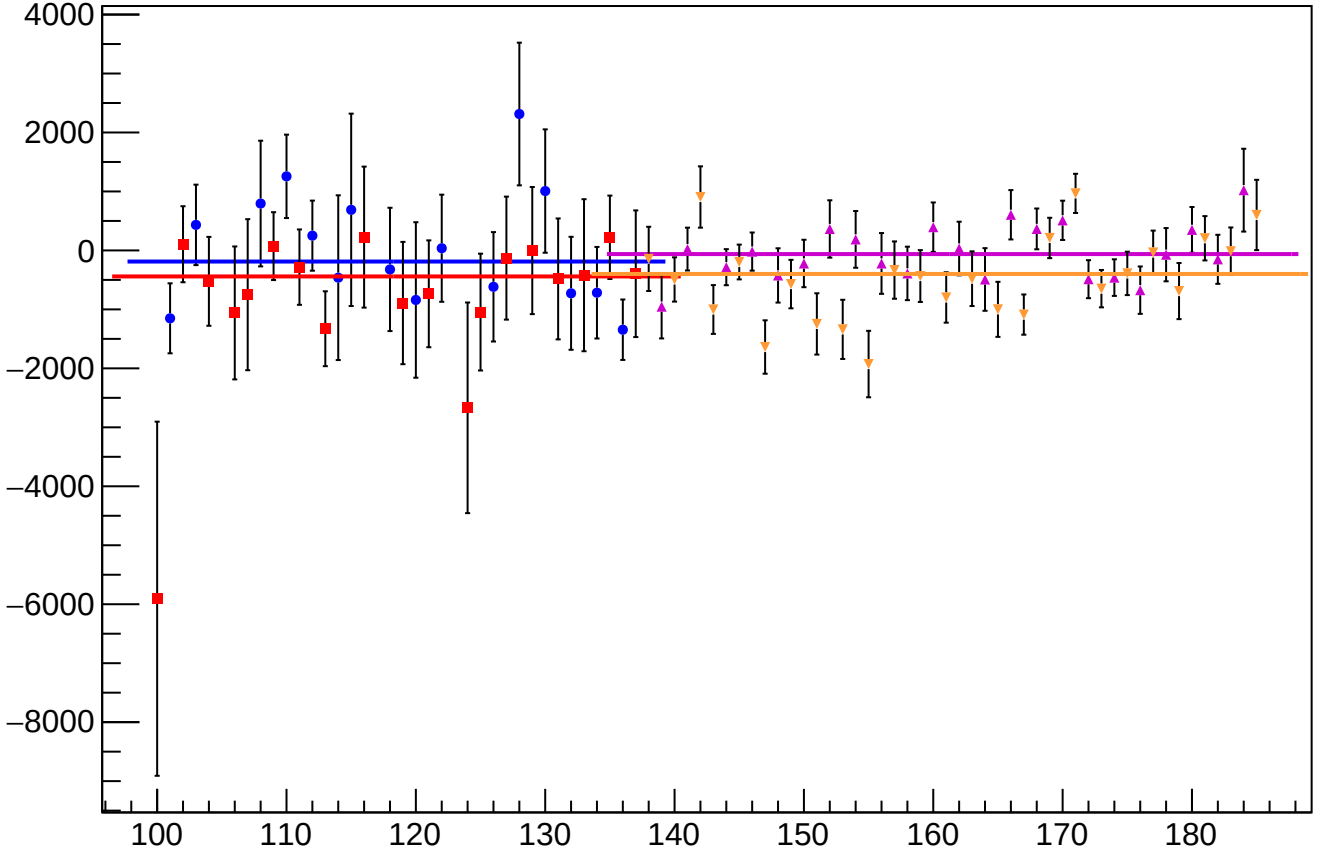
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.545+/-0.007 χ^2/NDF: 1088718.8/40

All: 50.664+/-0.005 χ^2/NDF: 2236506.4/82

- 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: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

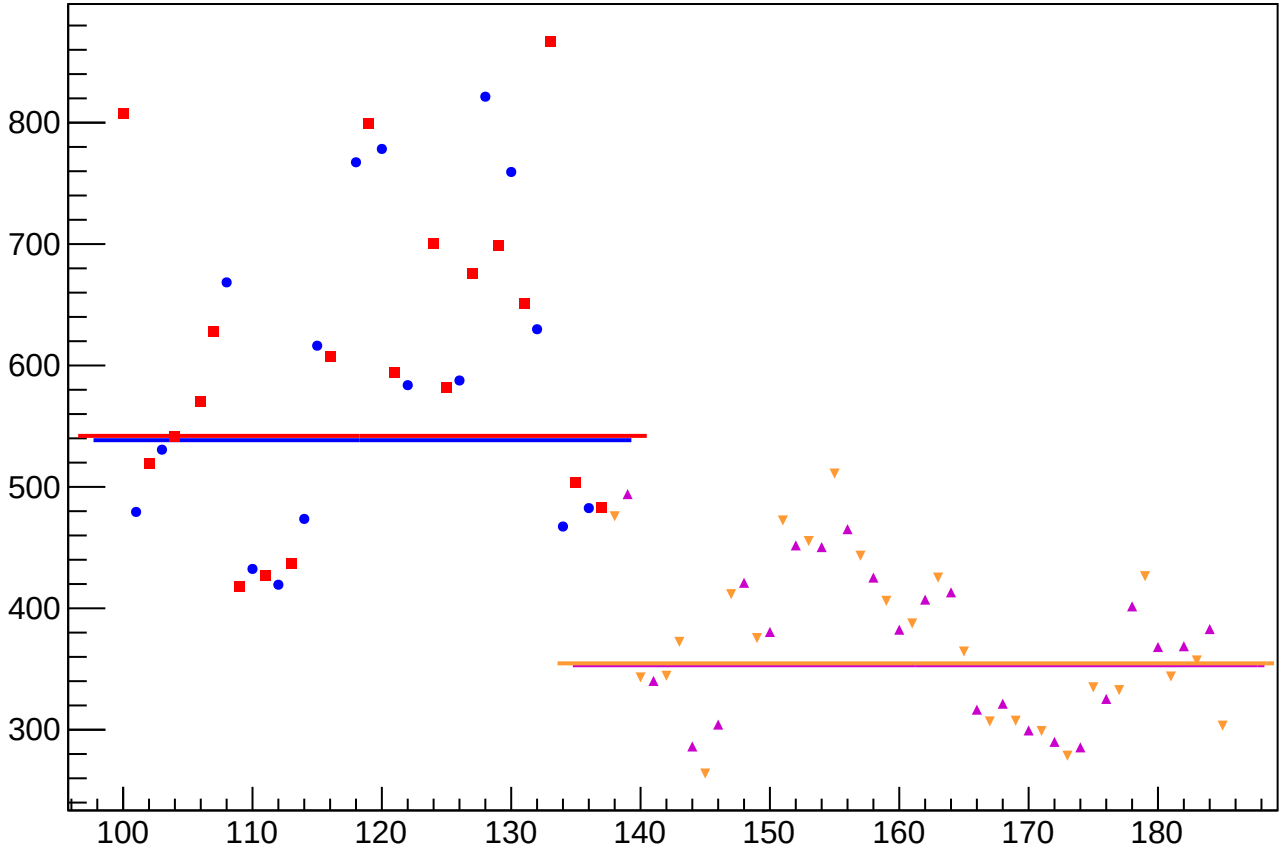
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.439+/-76.227 χ^2/NDF: 87.7/40

All: -245.887+/-54.378 χ^2/NDF: 130.9/82

- 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: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

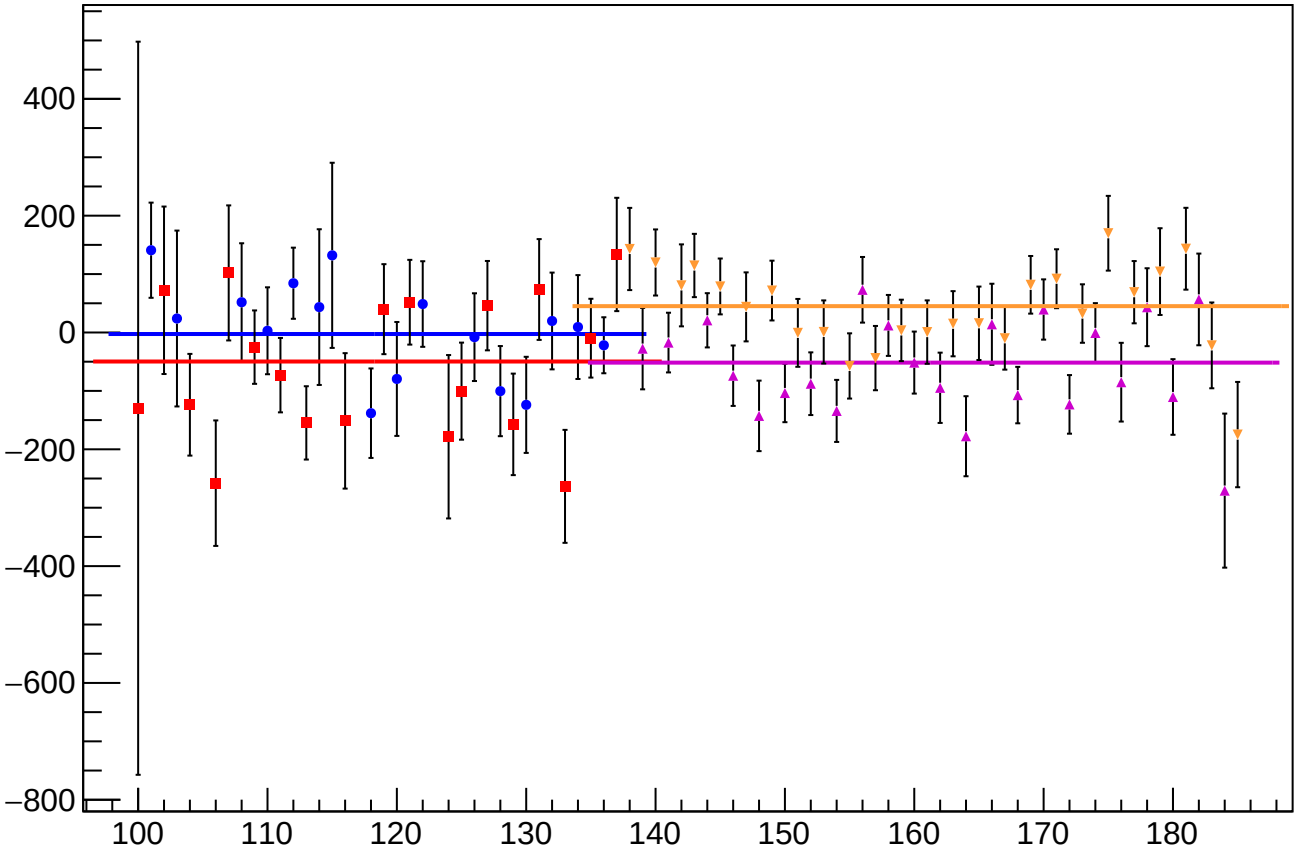
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 379.883+/-0.054 χ^2/NDF: 3135760.5/40

All: 380.143+/-0.038 χ^2/NDF: 6237189.1/82

- 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: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

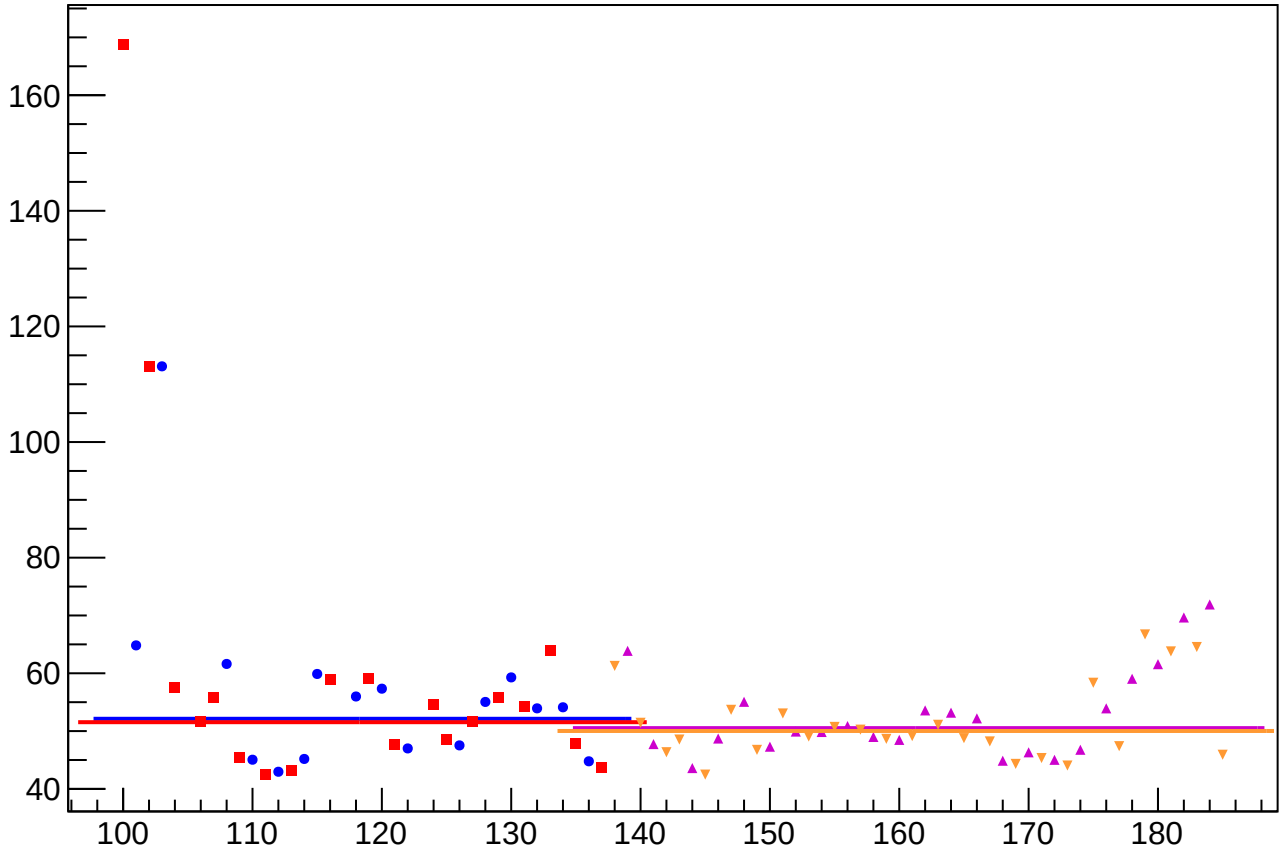
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 33.244+/-9.965 χ^2/NDF: 50.2/40

All: -7.974+/-7.126 χ^2/NDF: 150.4/82

- 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: 50.021+/-0.008 χ^2/NDF:509100.0/24

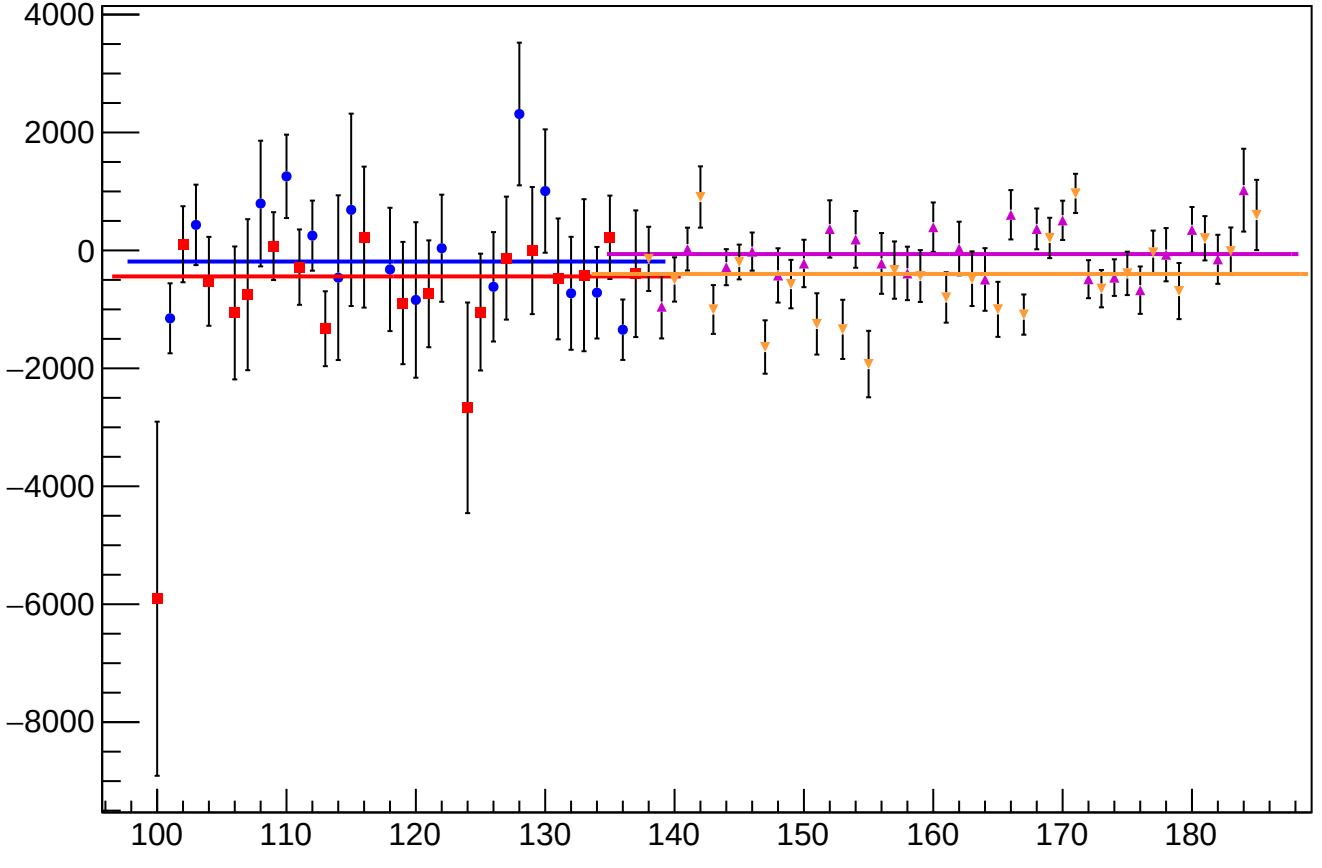
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.545+/-0.007 χ^2/NDF: 1088718.8/40

All: 50.664+/-0.005 χ^2/NDF: 2236506.4/82

- 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: -399.358+/-82.064 χ^2/NDF:65.4/24

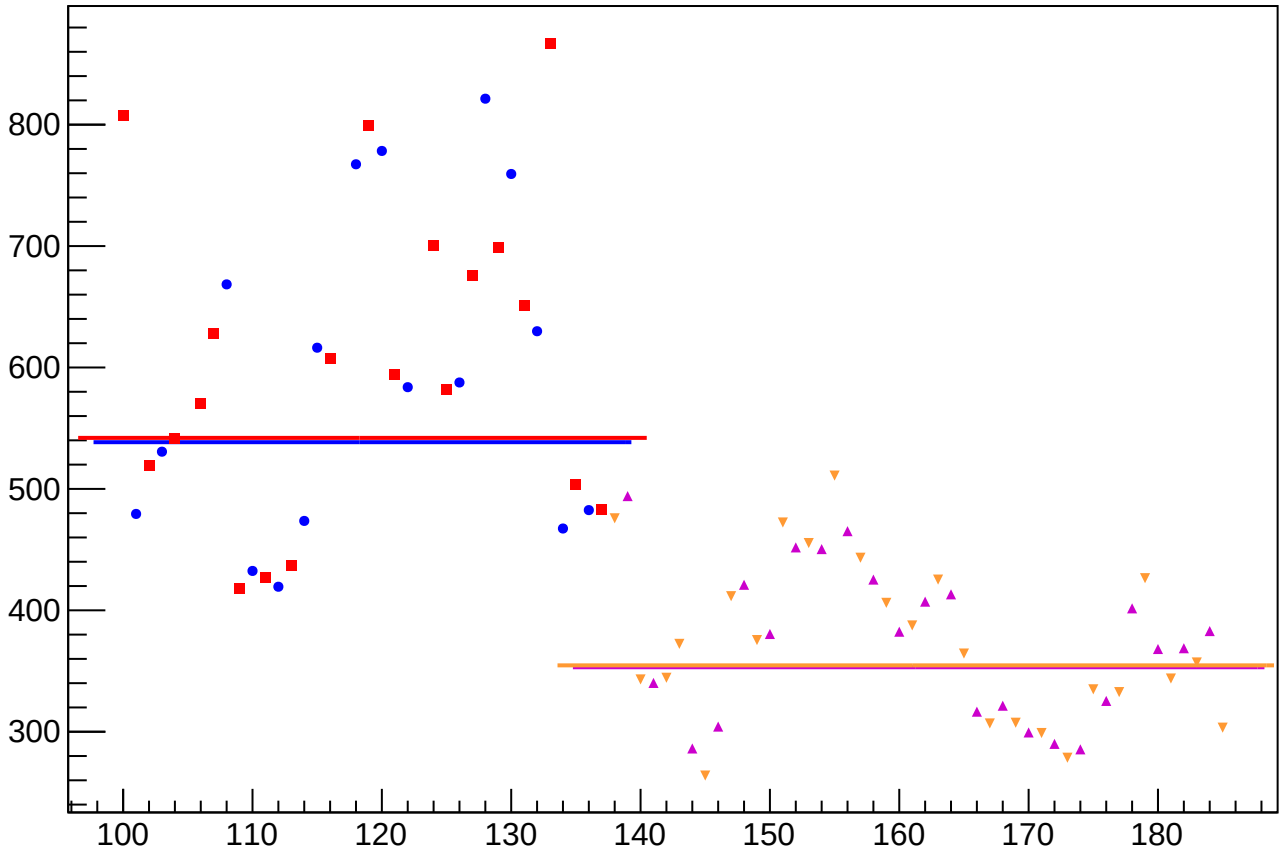
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.439+/-76.227 χ^2/NDF: 87.7/40

All: -245.887+/-54.378 χ^2/NDF: 130.9/82

- sign -116.829+/-77.594 χ^2/NDF: 37.8/41



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

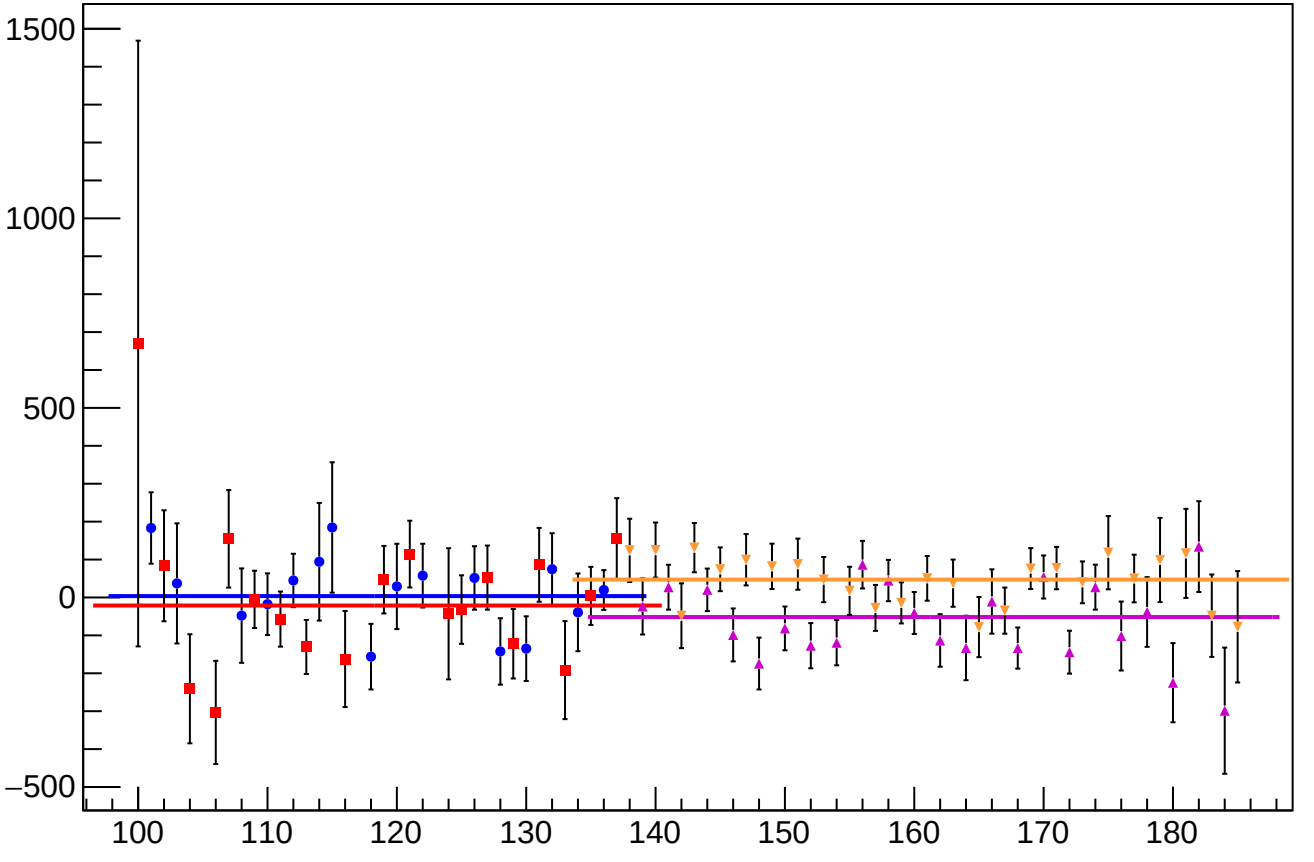
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 379.883+/-0.054 χ^2/NDF: 3135760.5/40

All: 380.143+/-0.038 χ^2/NDF: 6237189.1/82

- 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: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

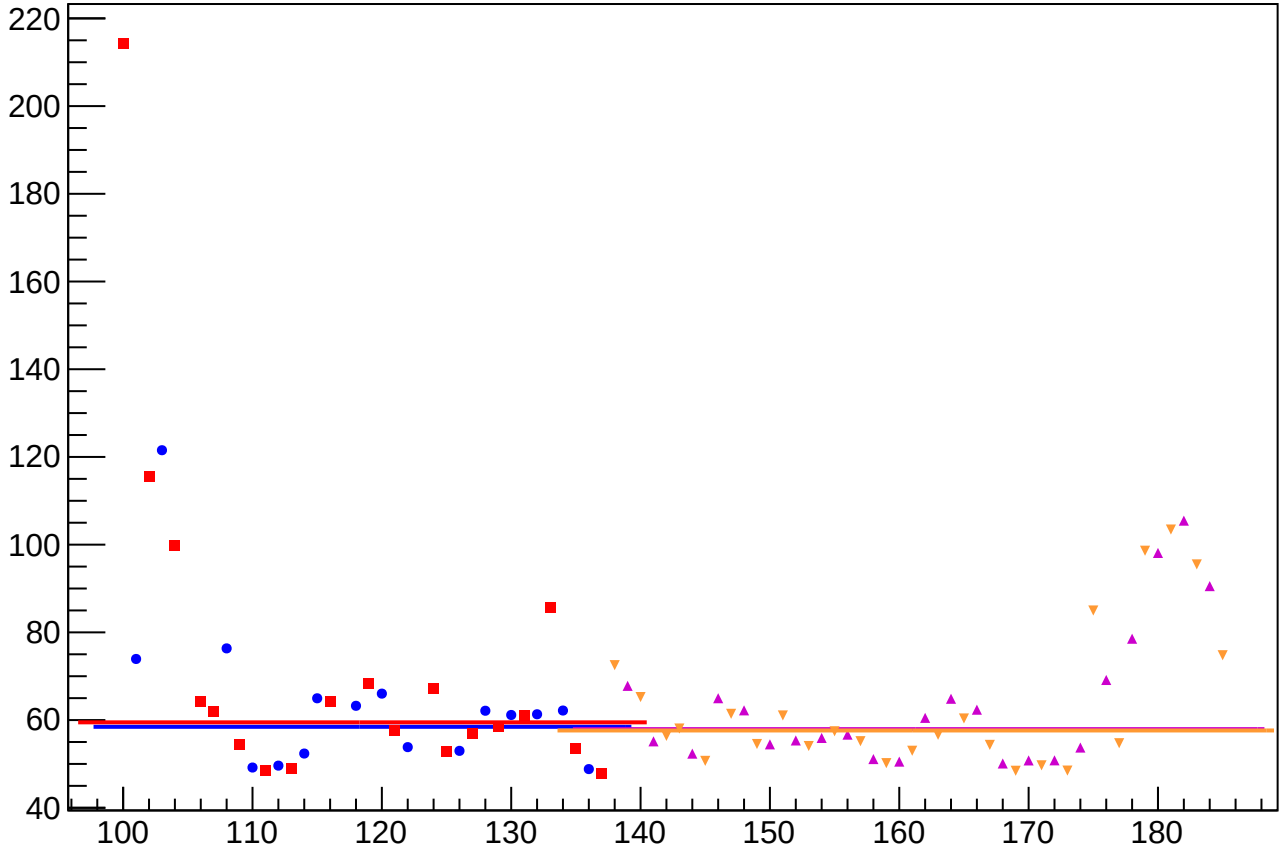
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 35.593+/-11.581 χ^2/NDF: 35.9/40

All: -2.865+/-8.294 χ^2/NDF: 122.5/82

- 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: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

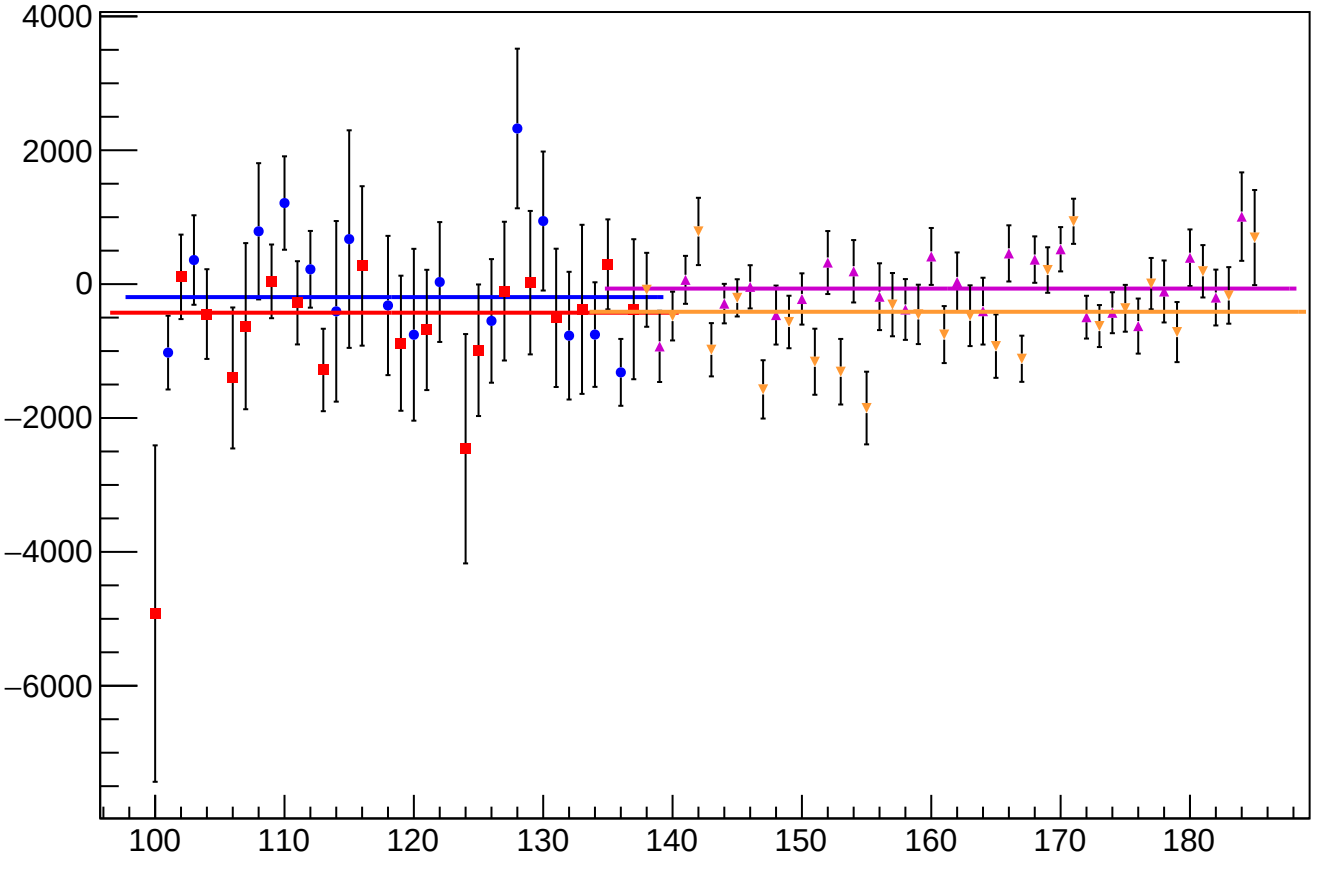
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 57.852+/-0.008 χ^2/NDF: 1950457.5/40

All: 58.100+/-0.006 χ^2/NDF: 3868429.2/82

- 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: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

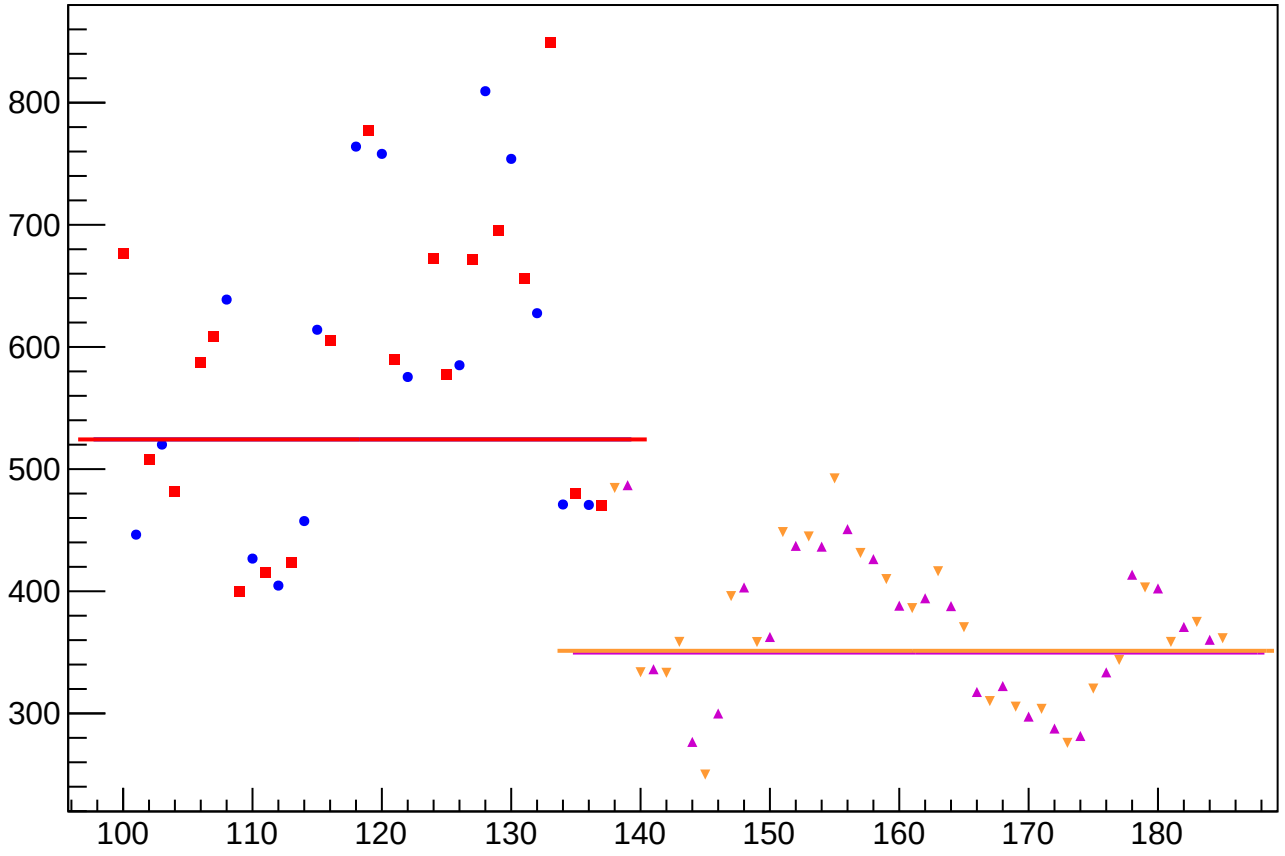
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -382.244+/-75.215 χ^2/NDF: 83.1/40

All: -253.947+/-53.652 χ^2/NDF: 126.1/82

- 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: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

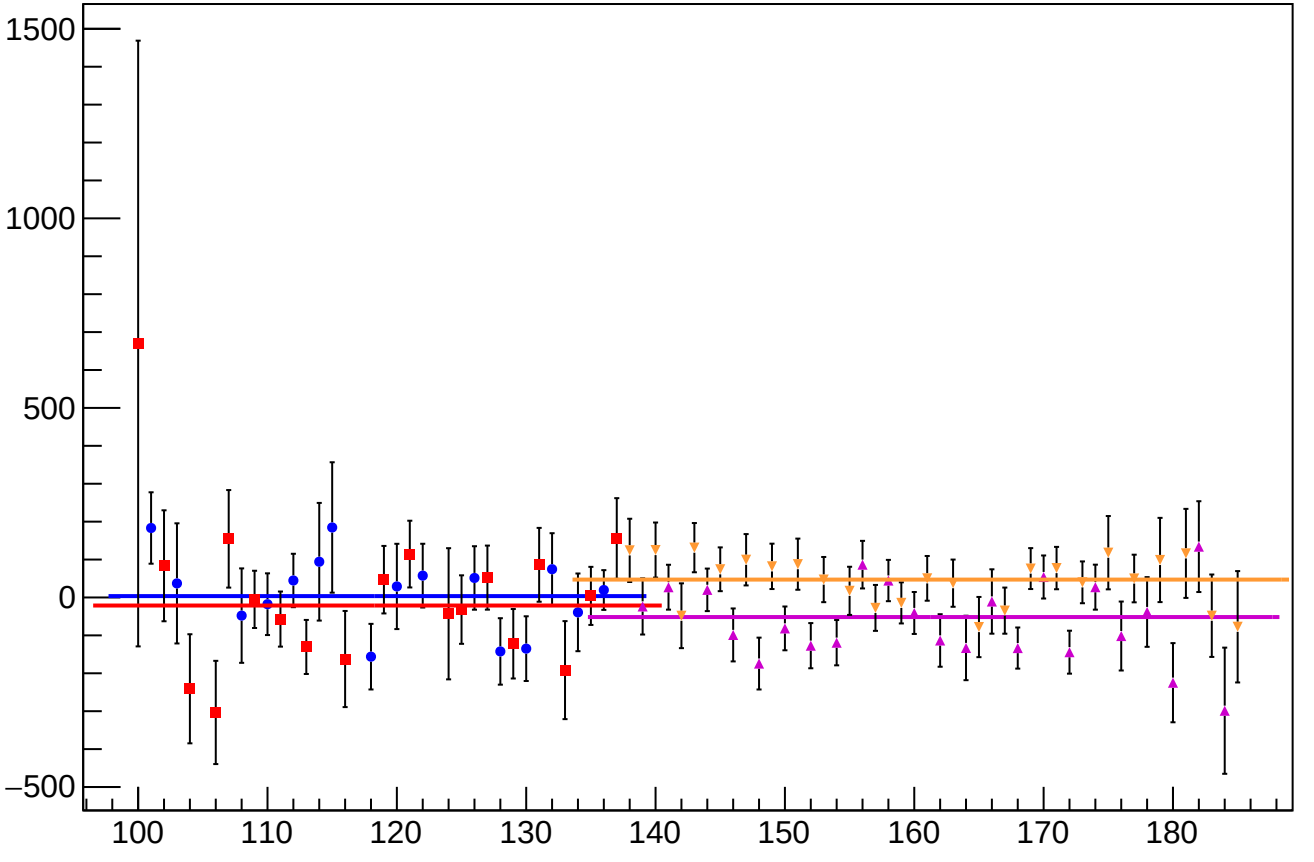
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

\+ sign 375.594+/-0.053 χ^2/NDF: 3056000.1/40

All: 375.872+/-0.038 χ^2/NDF: 6064604.4/82

\- 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: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

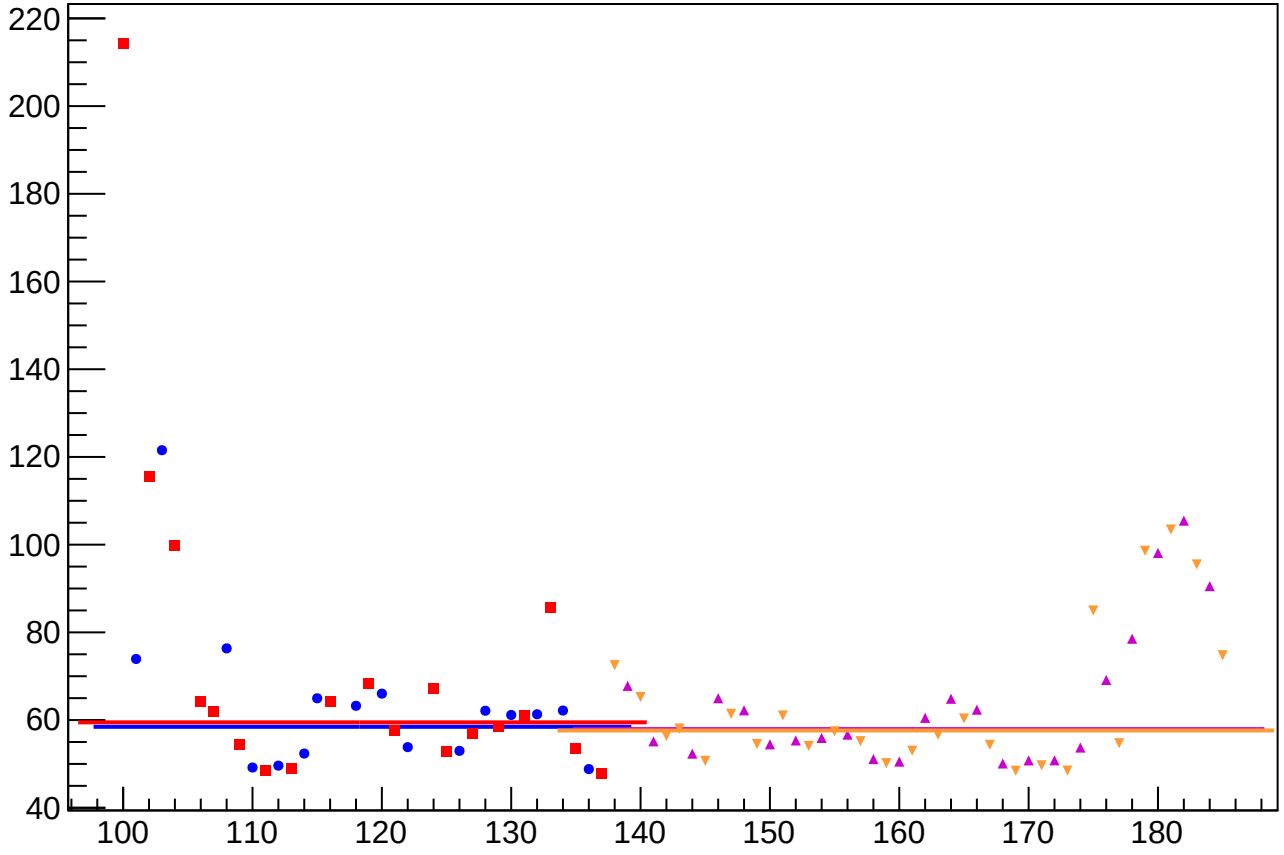
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 35.593+/-11.581 χ^2/NDF: 35.9/40

All: -2.864+/-8.294 χ^2/NDF: 122.5/82

- 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: 57.631+/-0.010 χ^2/NDF:1365443.1/24

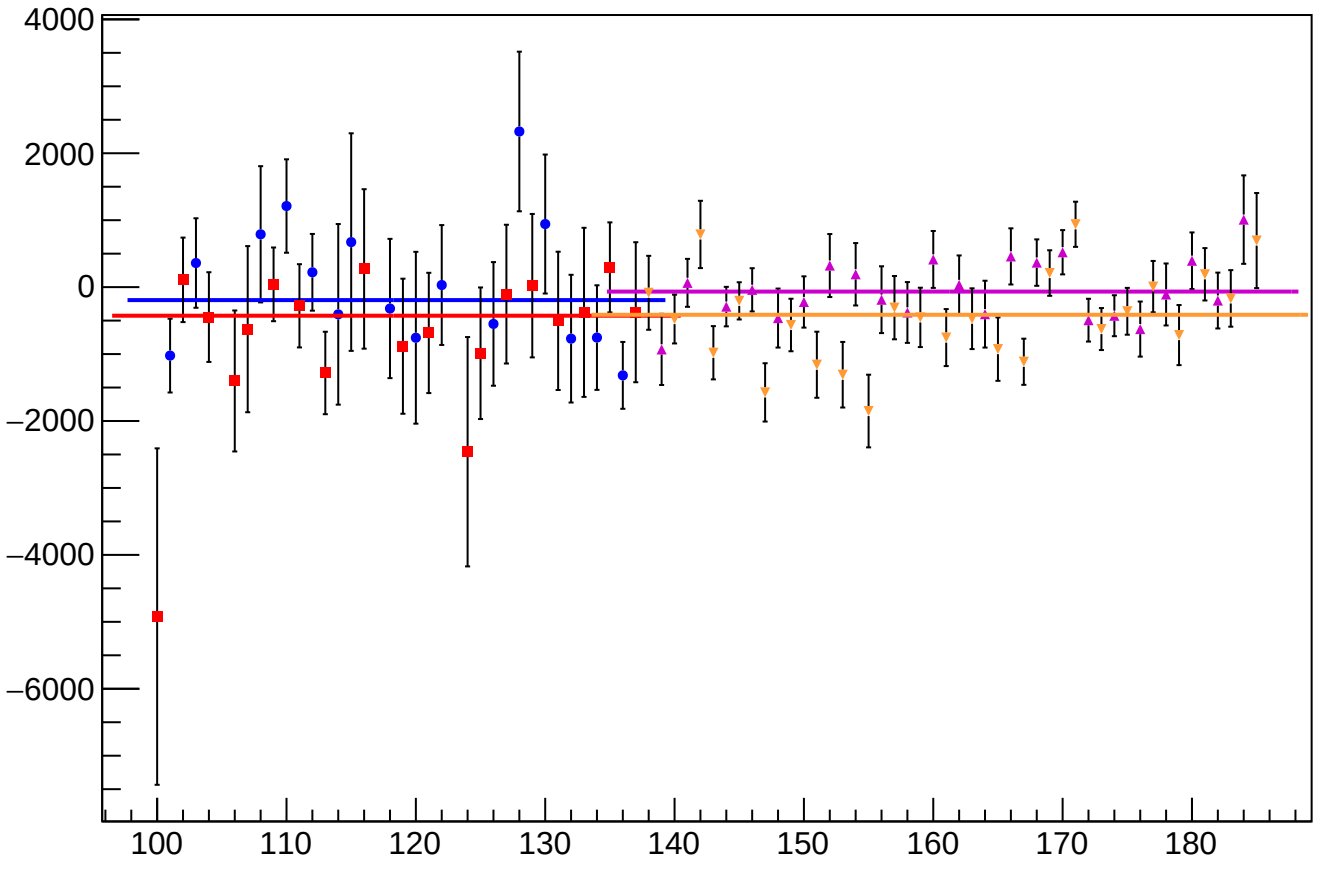
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 57.852+/-0.008 χ^2/NDF: 1950448.5/40

All: 58.100+/-0.006 χ^2/NDF: 3868406.9/82

- 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: -413.053+/-81.134 χ^2/NDF:61.3/24

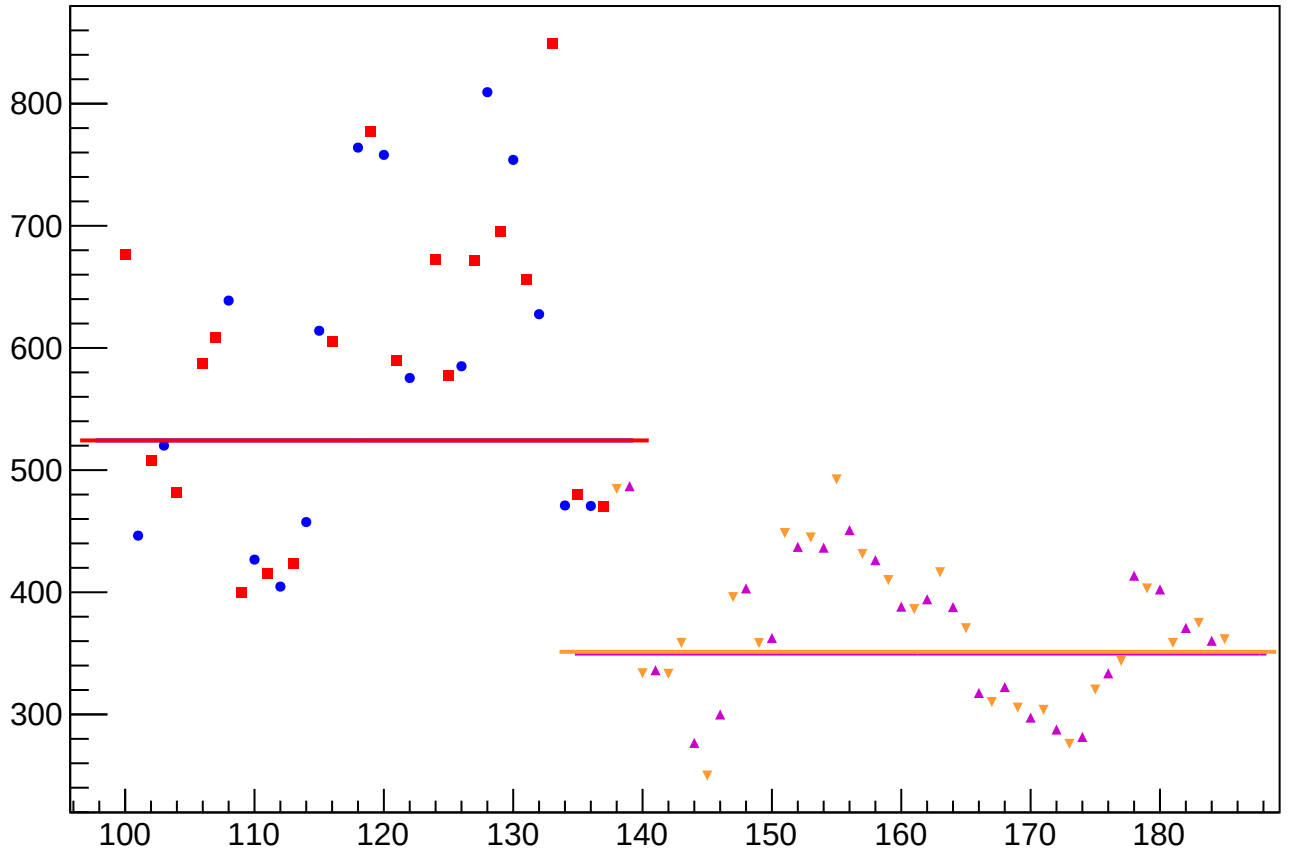
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -382.243+/-75.215 χ^2/NDF: 83.1/40

All: -253.947+/-53.652 χ^2/NDF: 126.1/82

- 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: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

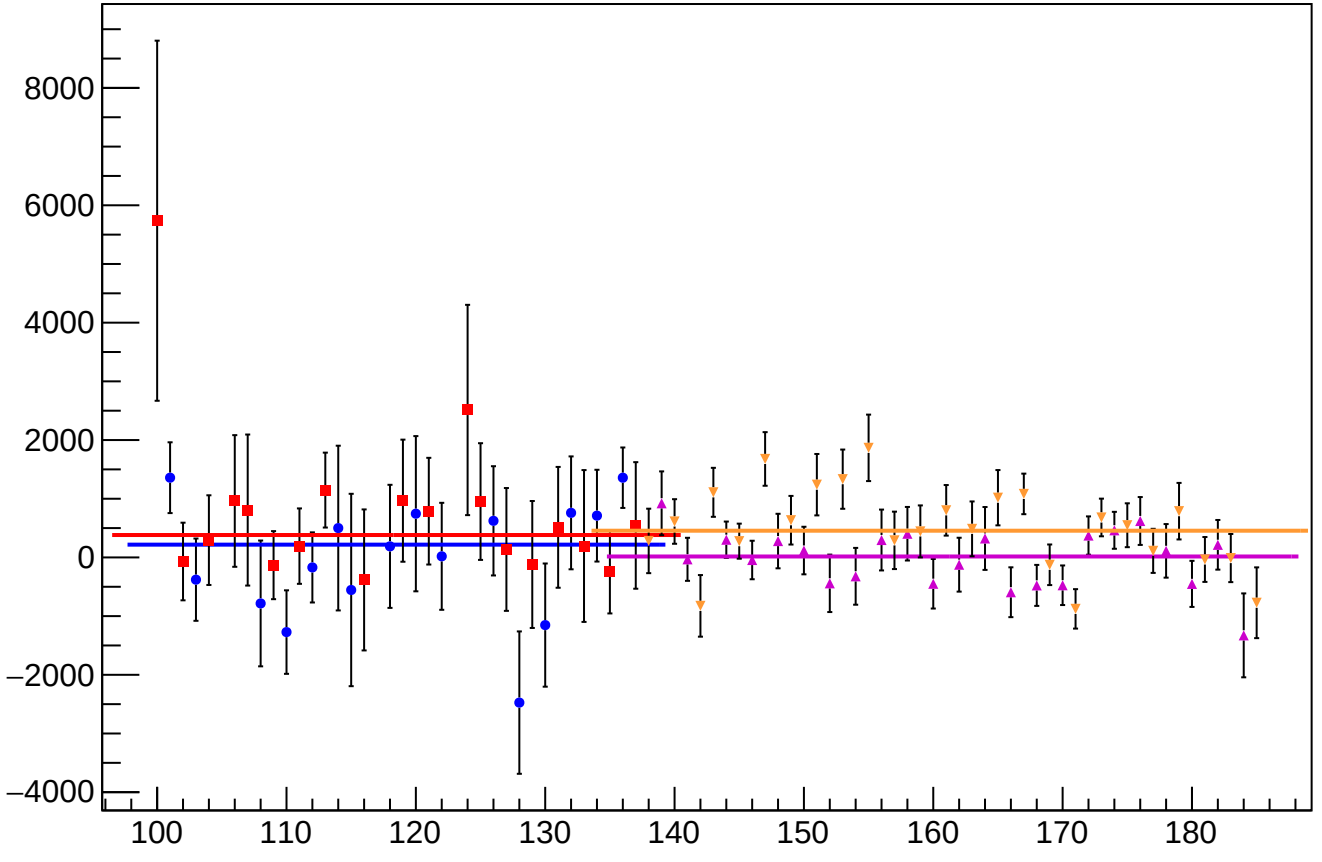
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 375.594+/-0.053 χ^2/NDF: 3055994.1/40

All: 375.872+/-0.038 χ^2/NDF: 6064585.5/82

- 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: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

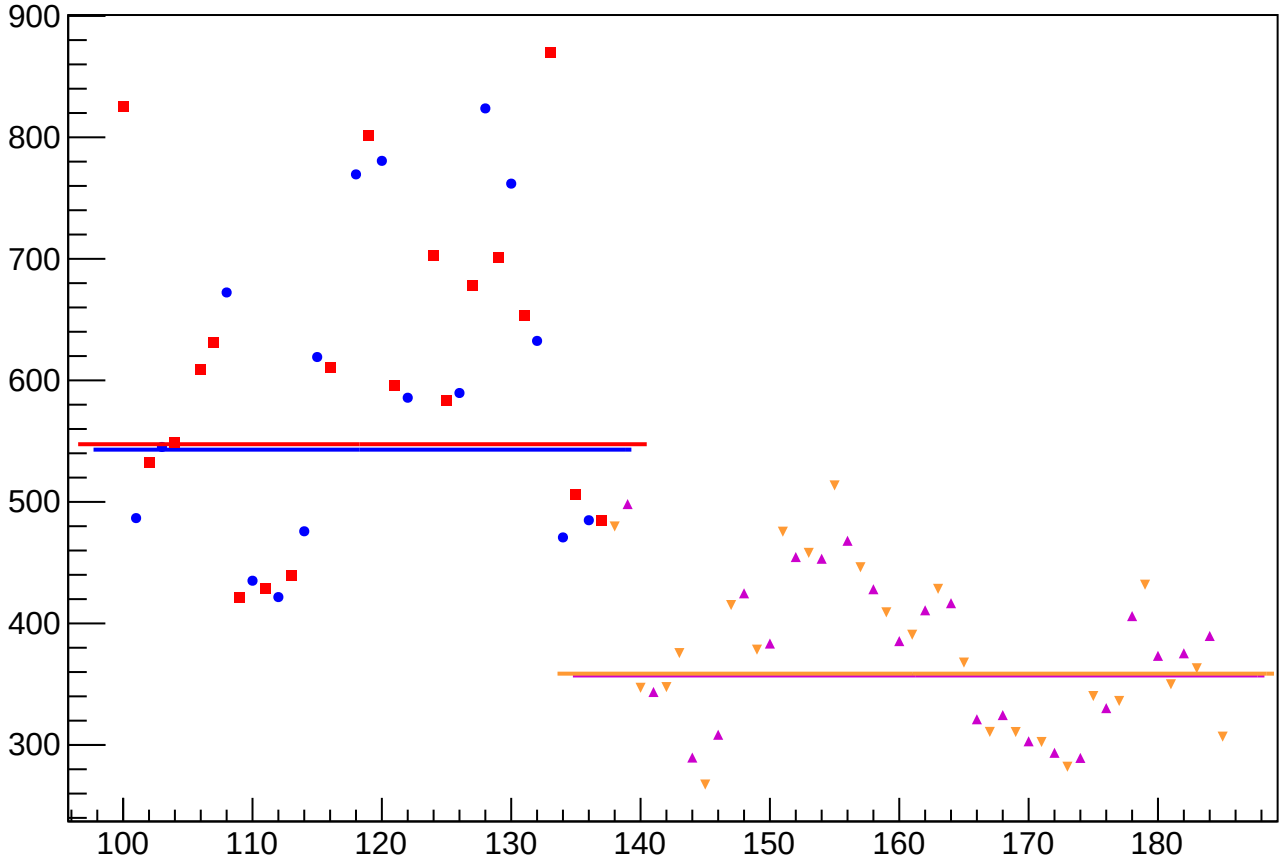
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 422.503+/-77.032 χ^2/NDF: 84.9/40

All: 249.043+/-54.953 χ^2/NDF: 132.7/82

- 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: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

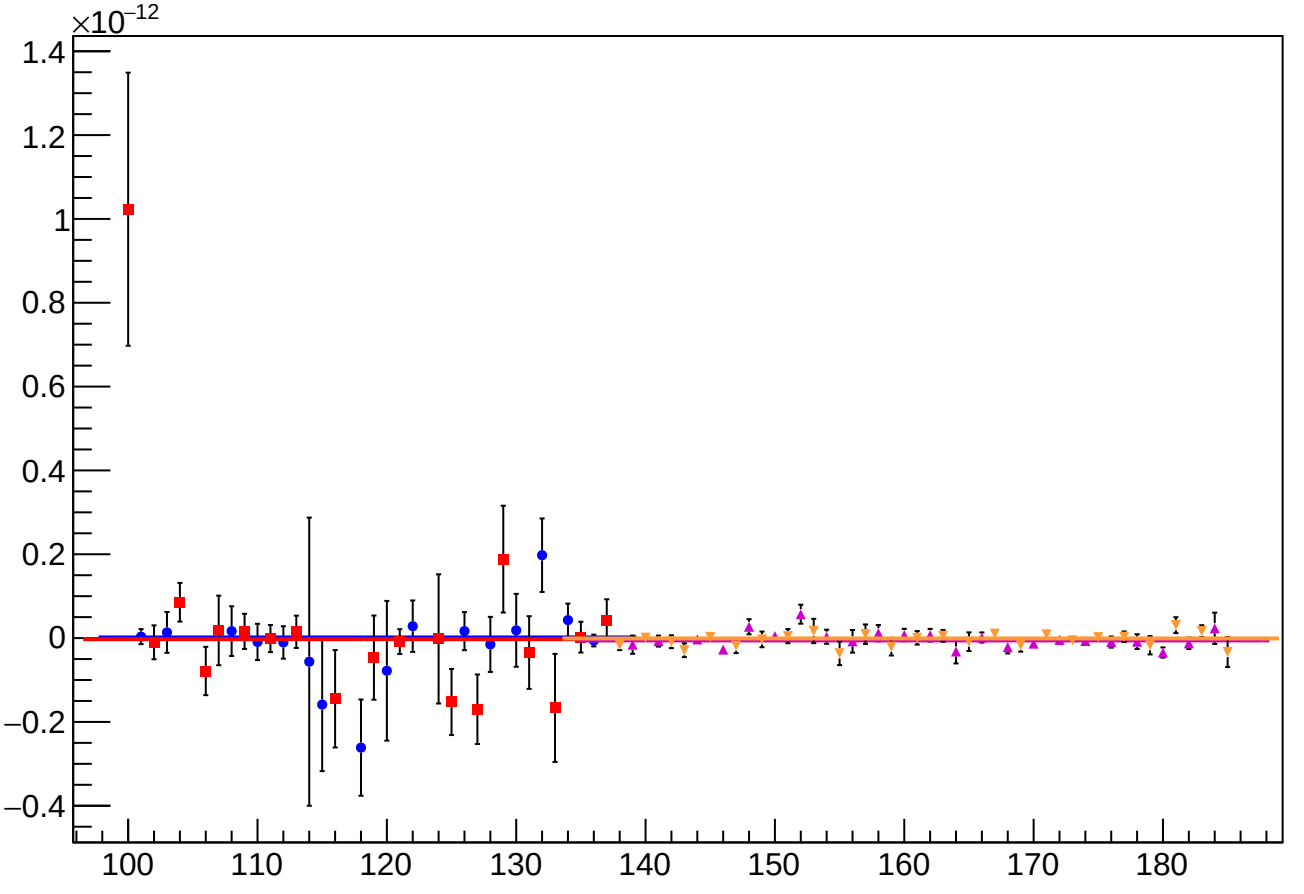
Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 384.081+/-0.054 χ^2/NDF: 3085509.7/40

All: 384.467+/-0.039 χ^2/NDF: 6161601.7/82

- 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:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

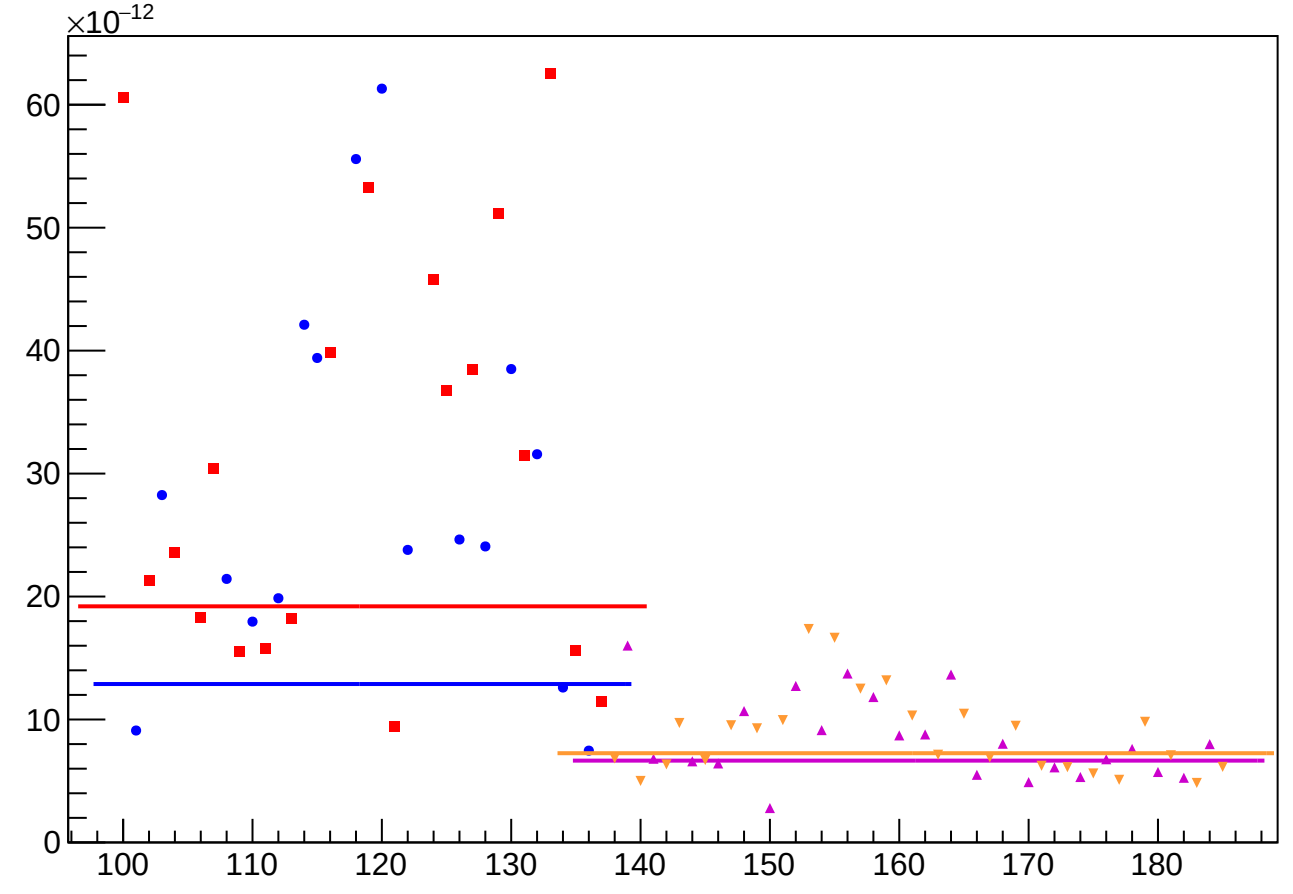
Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/40

All: -0.000+/-0.000 χ^2/NDF: 92.0/82

- sign -0.000+/-0.000 χ^2/NDF: 58.7/41

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

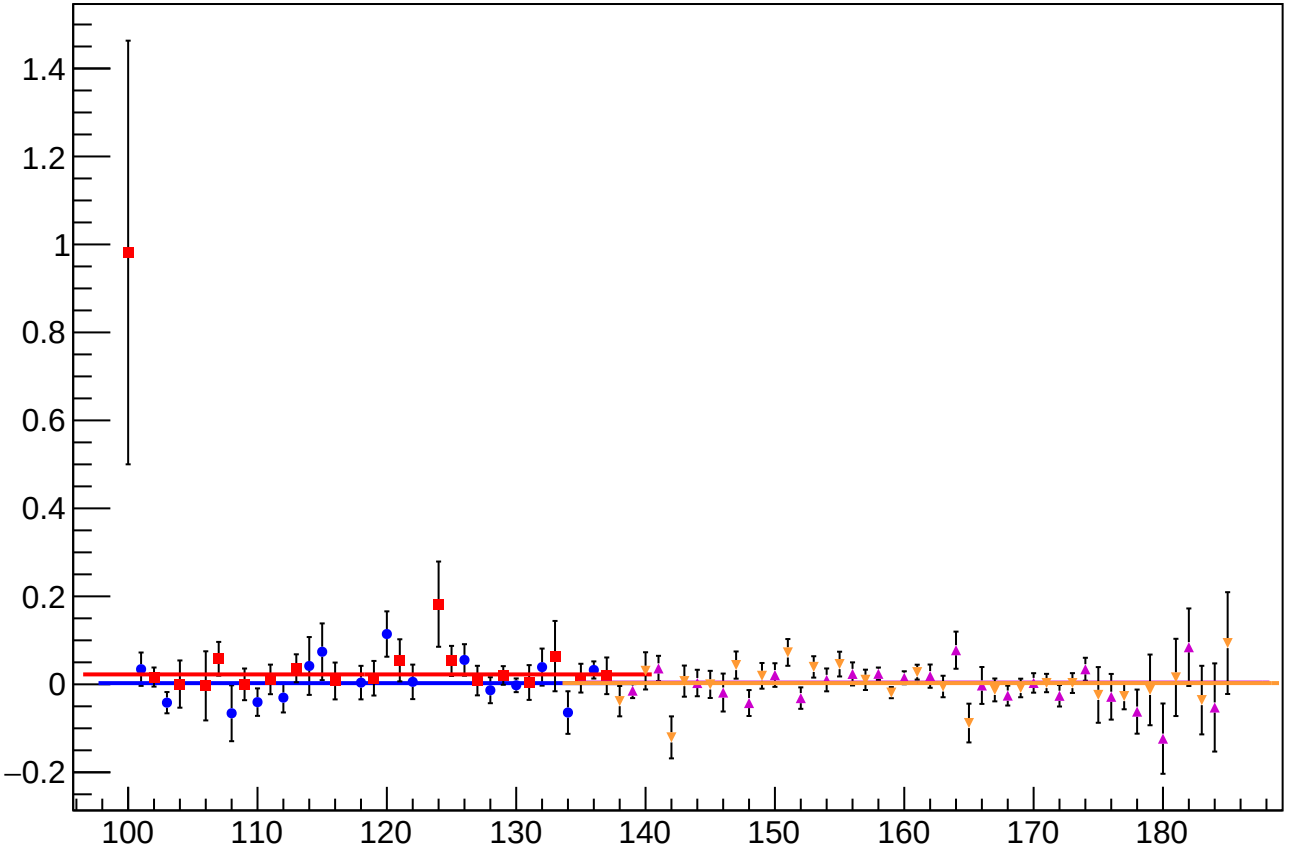
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3895690.8/40

All: 0.000+/-0.000 χ^2/NDF: 9066006.7/82

- sign 0.000+/-0.000 χ^2/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:32.8/24

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

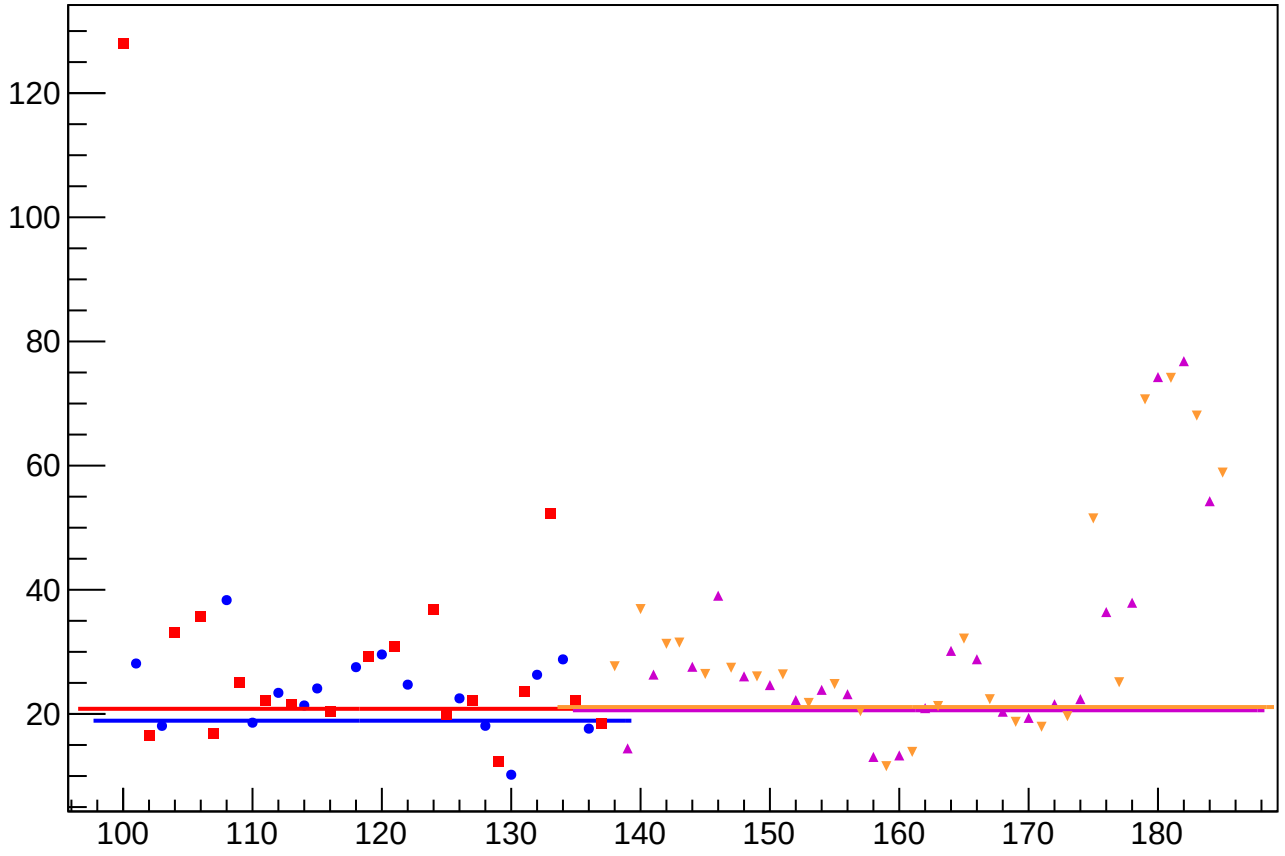
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.7/40

All: 0.006+/-0.003 χ^2/NDF: 94.6/82

- 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: 21.109+/-0.004 χ^2/NDF:5546528.5/24

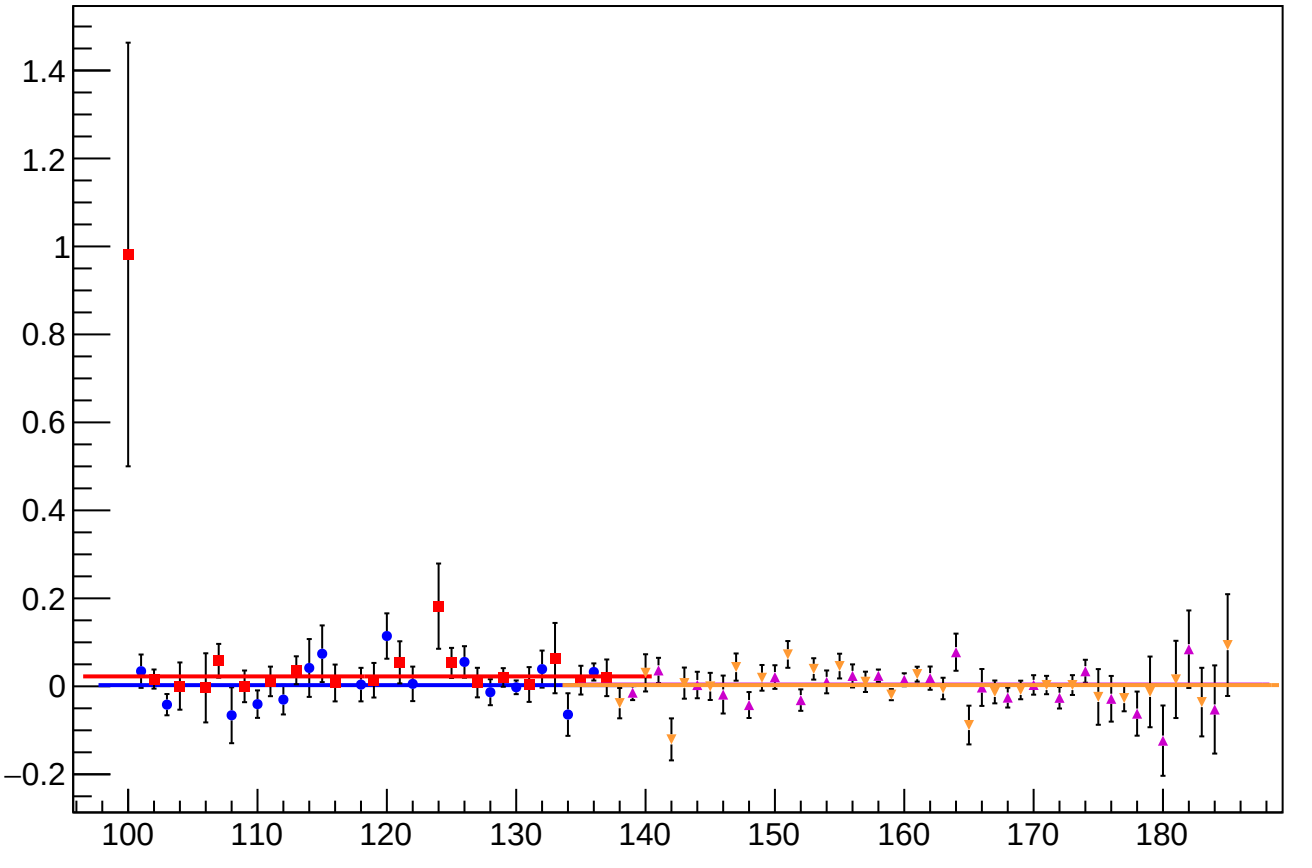
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.388+/-0.003 χ^2/NDF: 7043410.7/40

All: 20.521+/-0.002 χ^2/NDF: 12939170.4/82

- 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:32.8/24

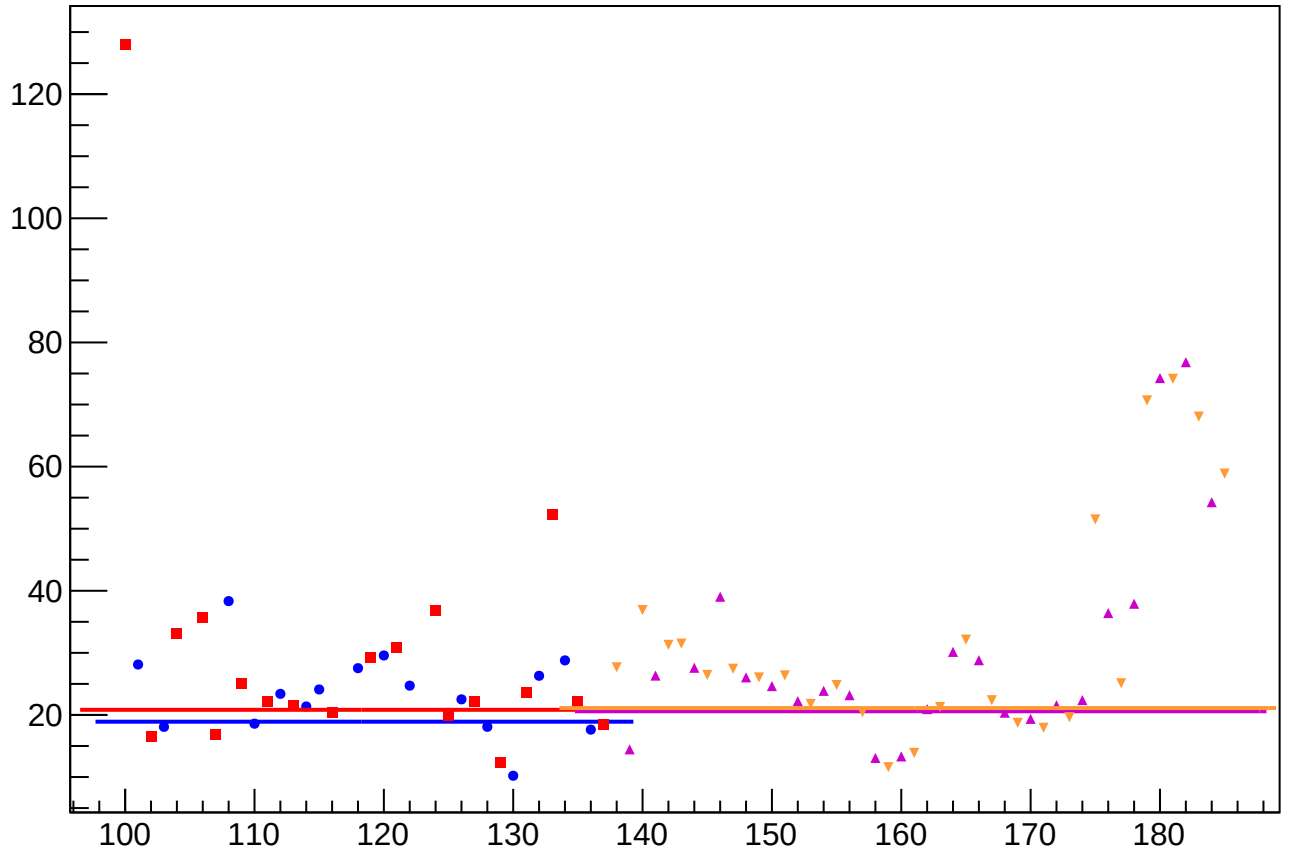
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.7/40

All: 0.006+/-0.003 χ^2/NDF: 94.6/82

- 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: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

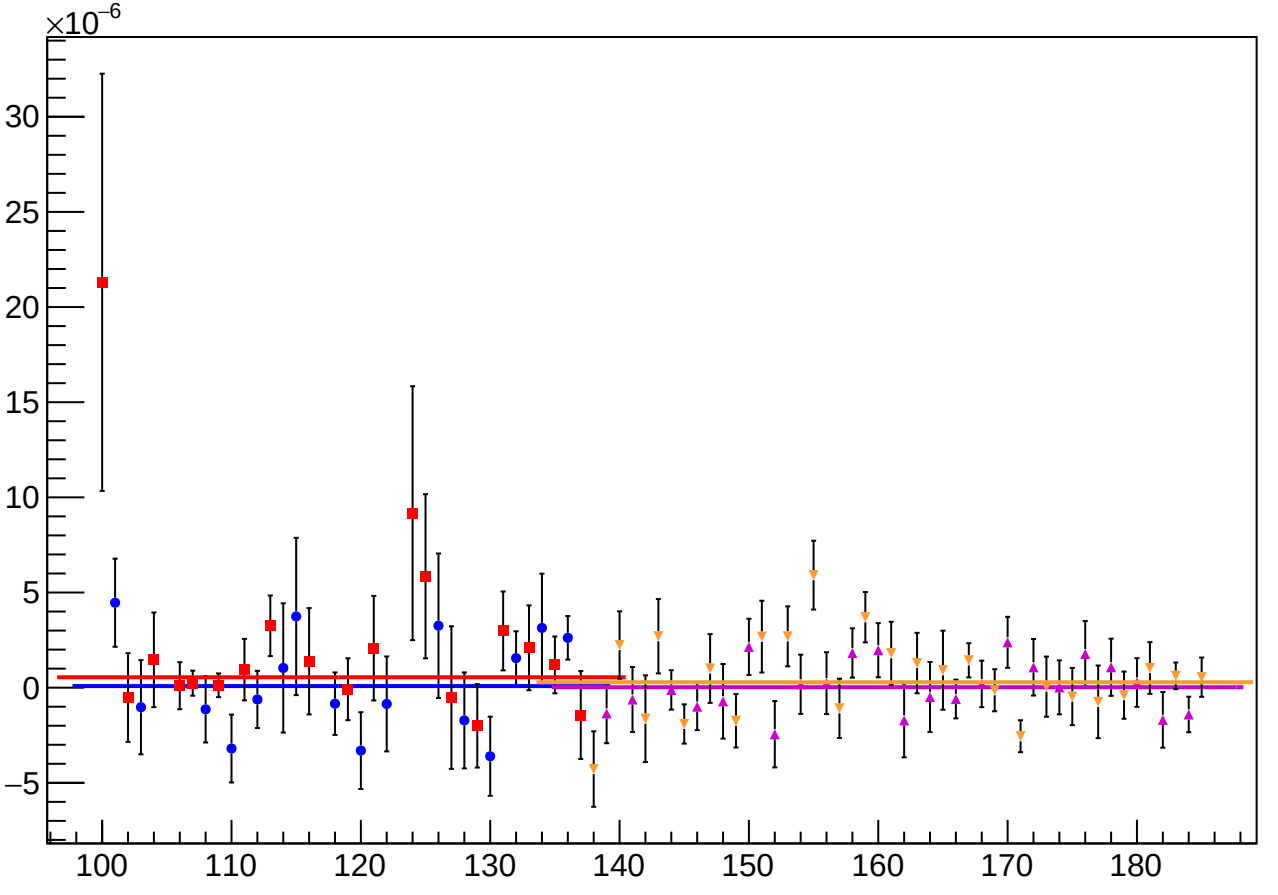
Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.388+/-0.003 χ^2/NDF: 7043410.7/40

All: 20.521+/-0.002 χ^2/NDF: 12939170.4/82

- sign 20.660+/-0.003 χ^2/NDF: 5892128.8/41

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

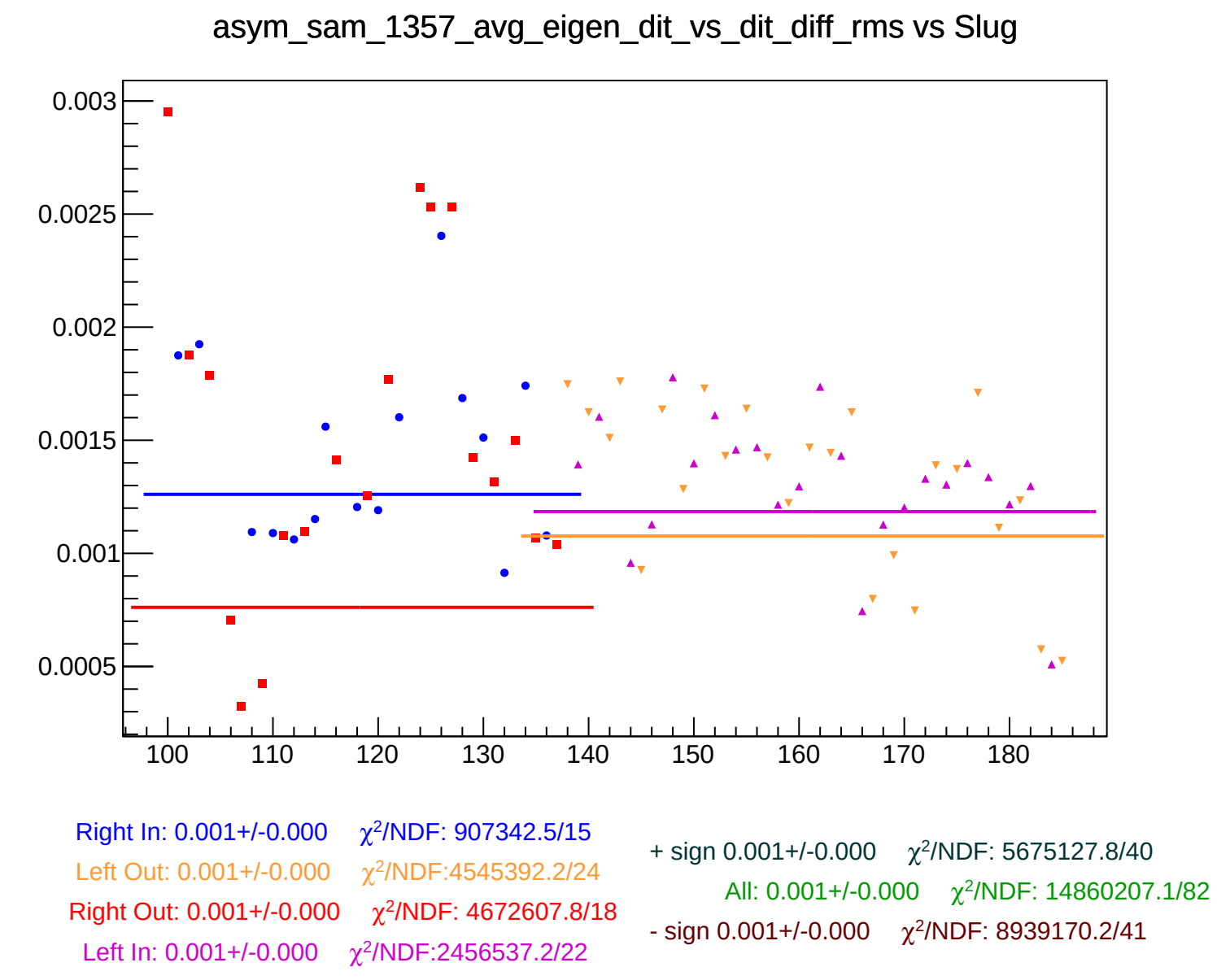
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

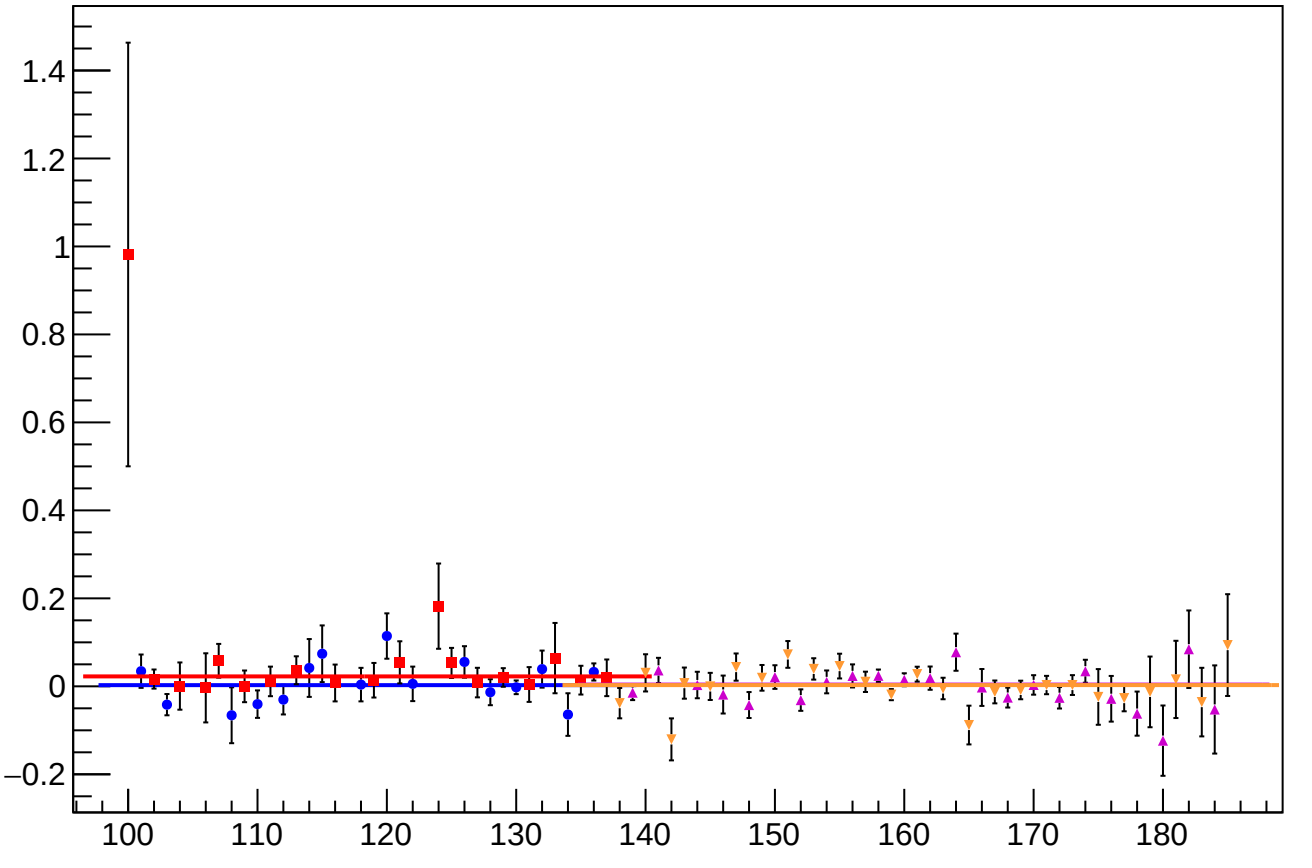
Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.3/40

All: 0.000+/-0.000 χ^2/NDF: 113.1/82

- sign 0.000+/-0.000 χ^2/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:4545392.2/24
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: 5675127.8/40
All: 0.001+/-0.000 χ²/NDF: 14860207.1/82
- 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:32.8/24

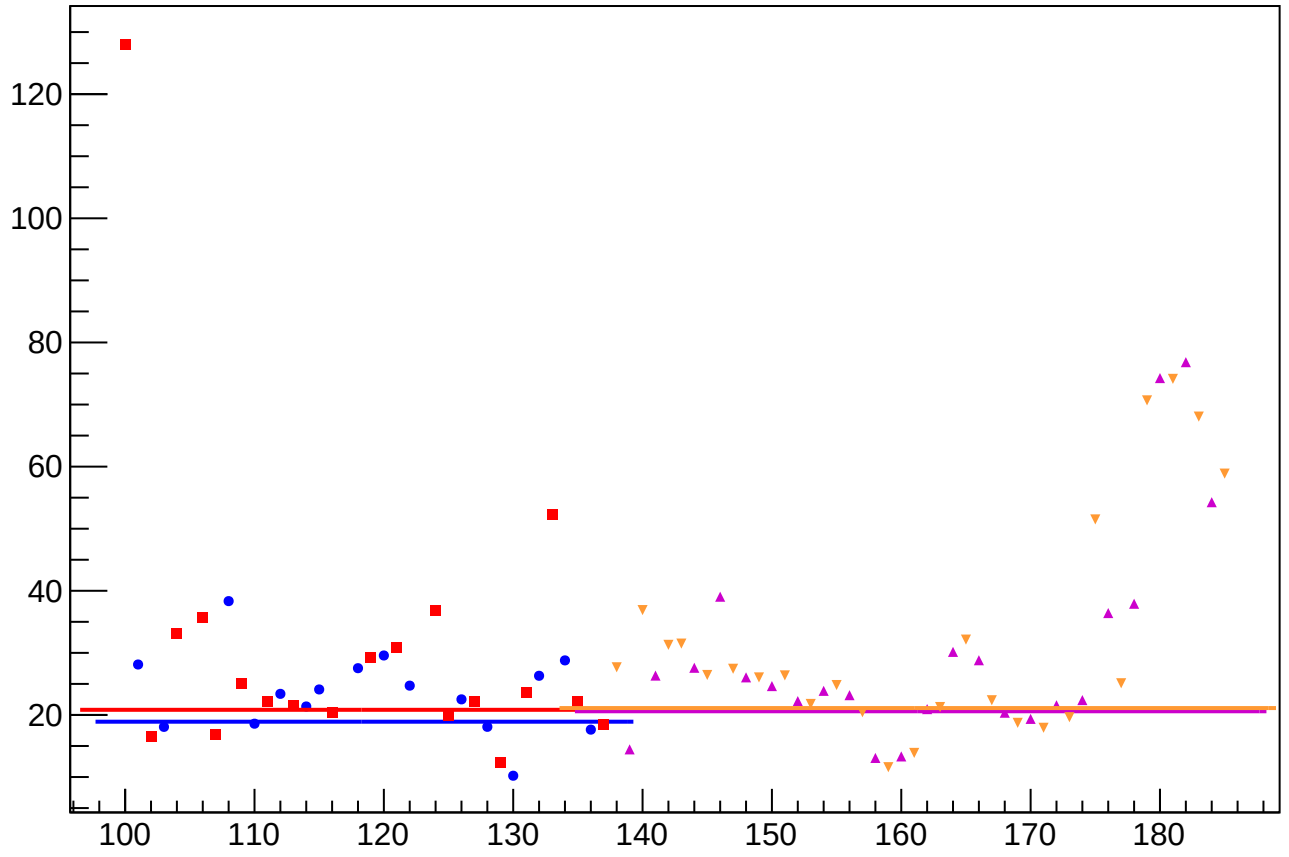
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.7/40

All: 0.006+/-0.003 χ^2/NDF: 94.6/82

- 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: 21.109+/-0.004 χ^2/NDF:5546663.4/24

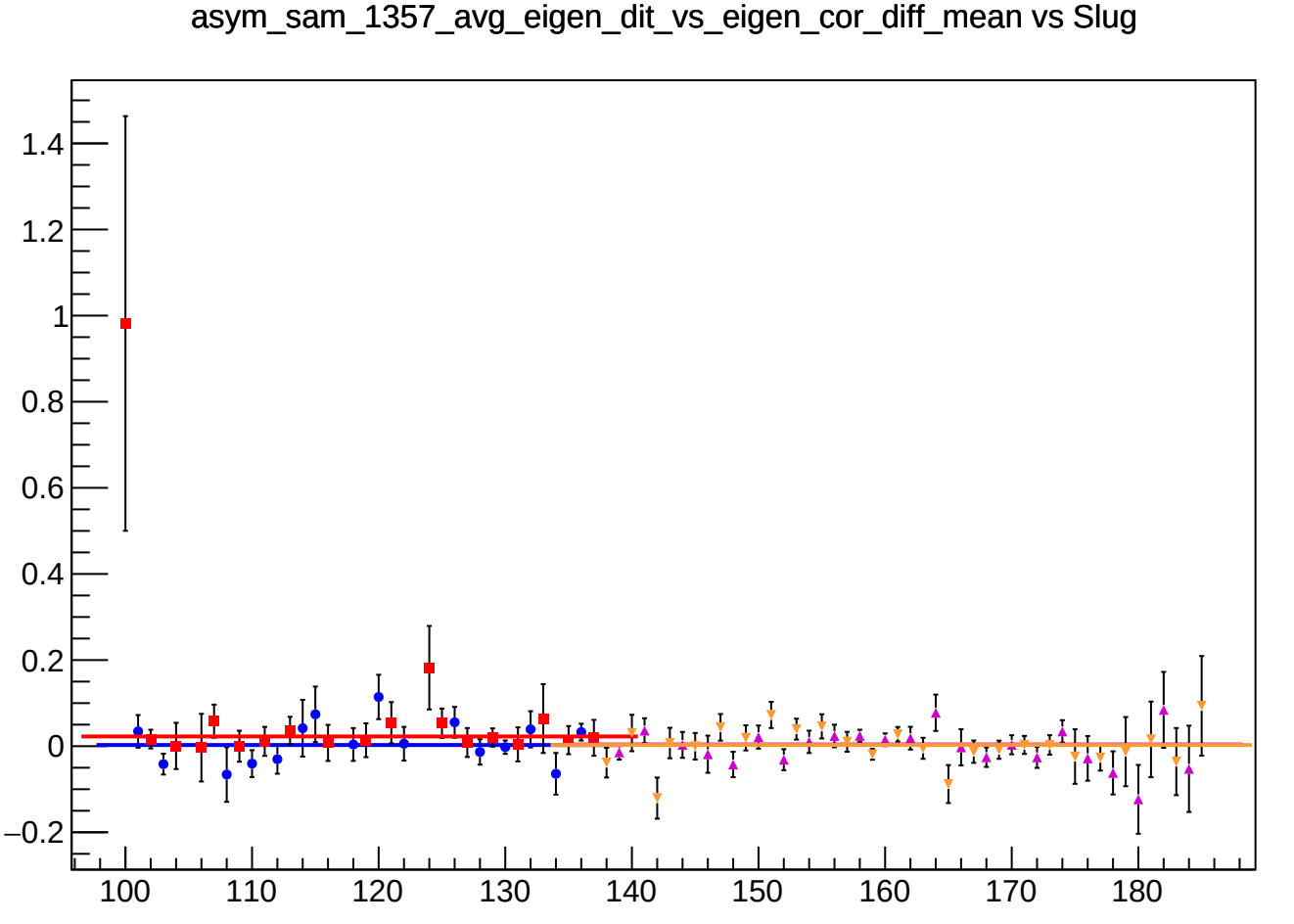
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.388+/-0.003 χ^2/NDF: 7043392.3/40

All: 20.521+/-0.002 χ^2/NDF: 12939151.9/82

- sign 20.661+/-0.003 χ^2/NDF: 5892127.7/41



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

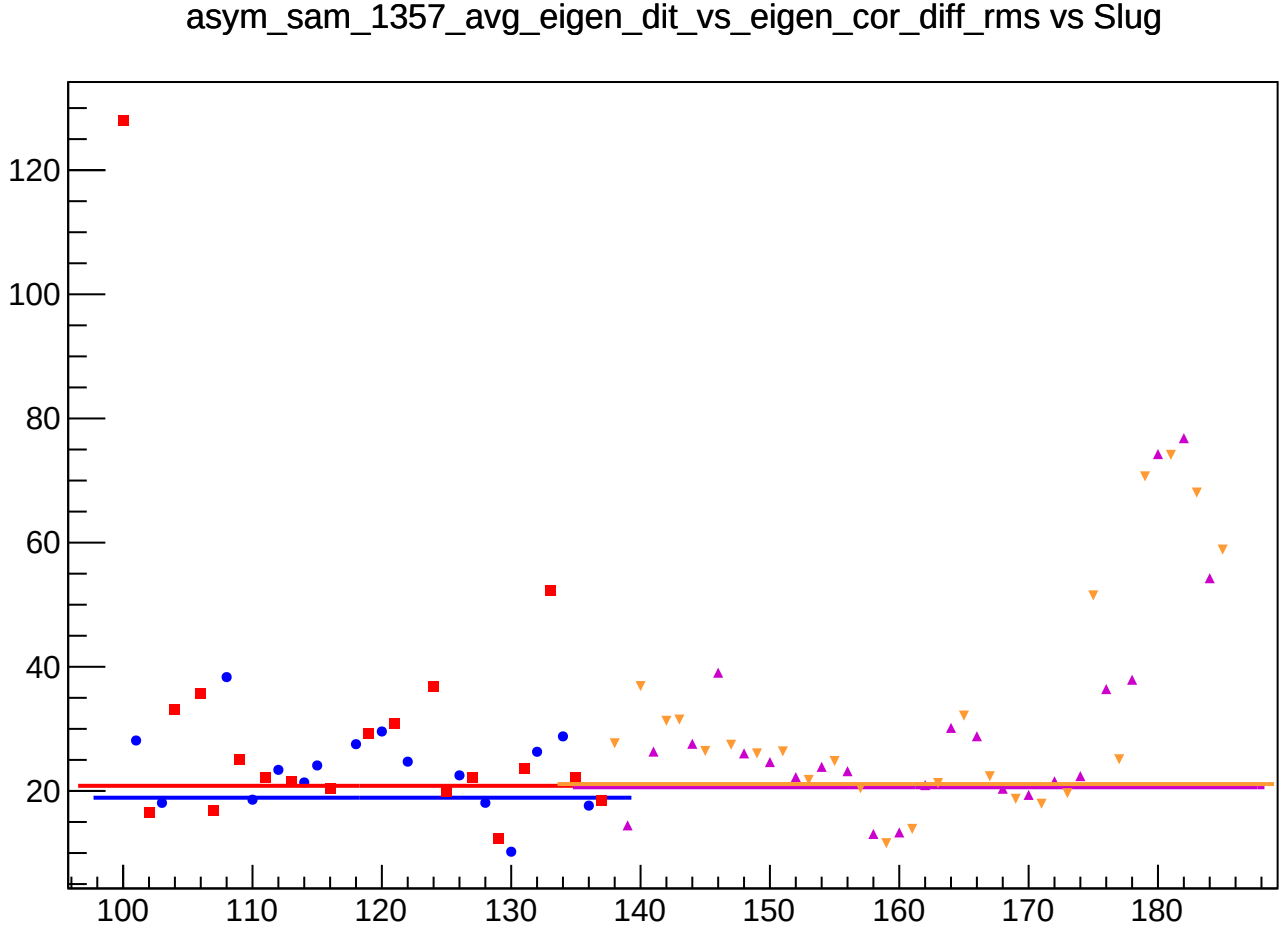
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 54.7/40

All: 0.006+/-0.003 χ^2/NDF: 94.6/82

- 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: 21.109+/-0.004 χ^2/NDF:5546663.4/24

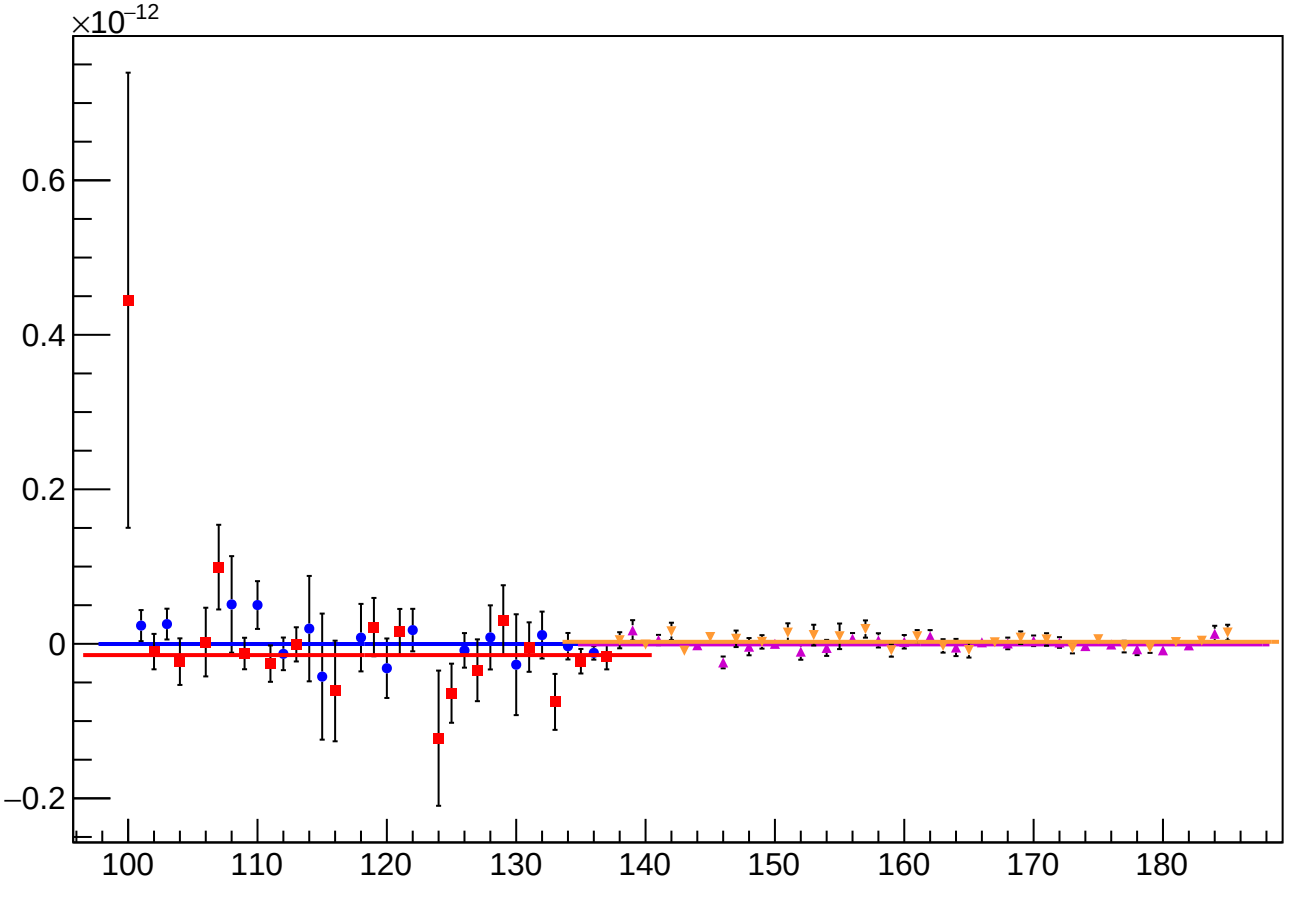
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.388+/-0.003 χ^2/NDF: 7043392.3/40

All: 20.521+/-0.002 χ^2/NDF: 12939151.9/82

- 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:20.6/24

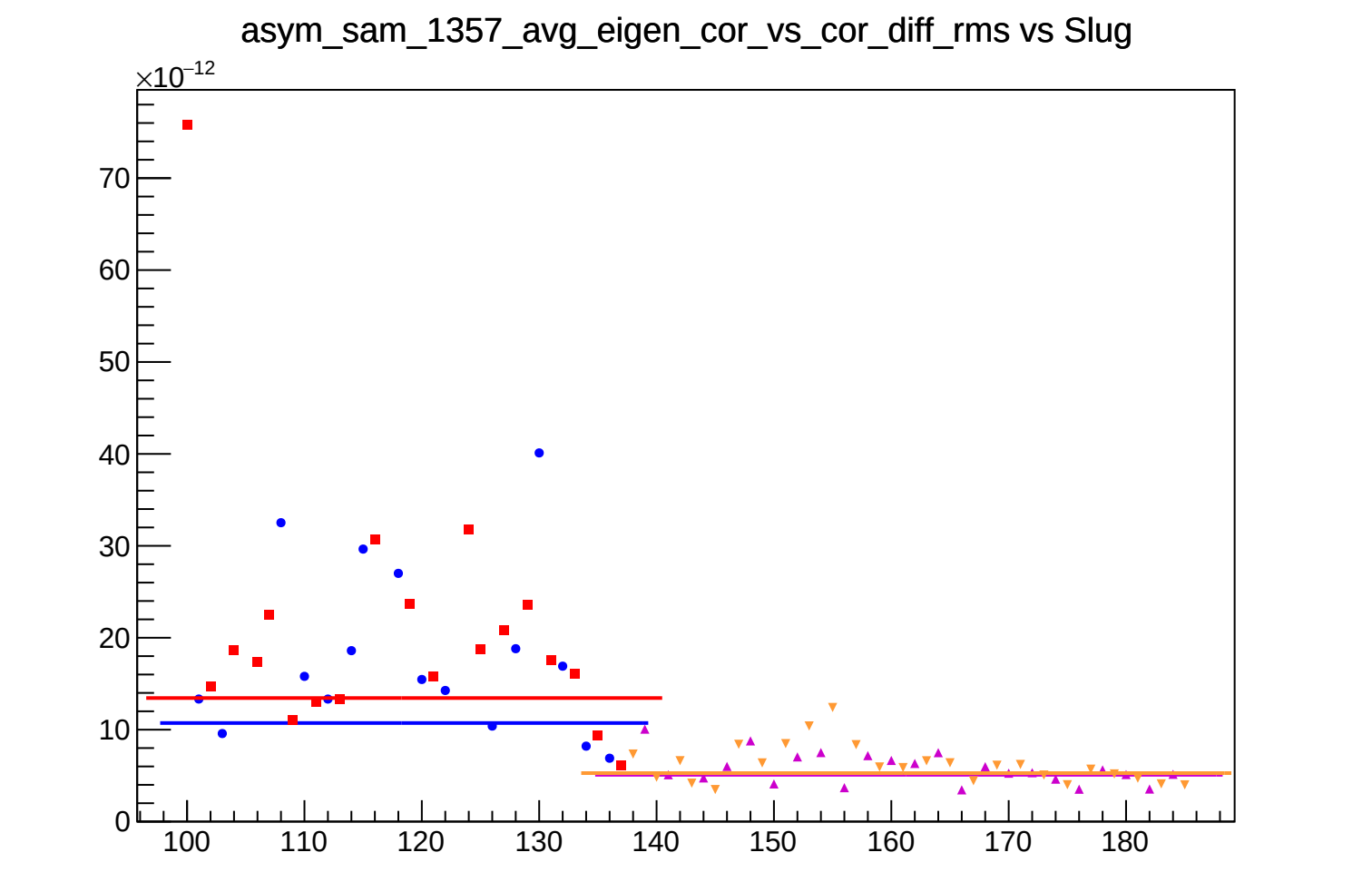
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/40

All: 0.000+/-0.000 χ^2/NDF: 78.1/82

- 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:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

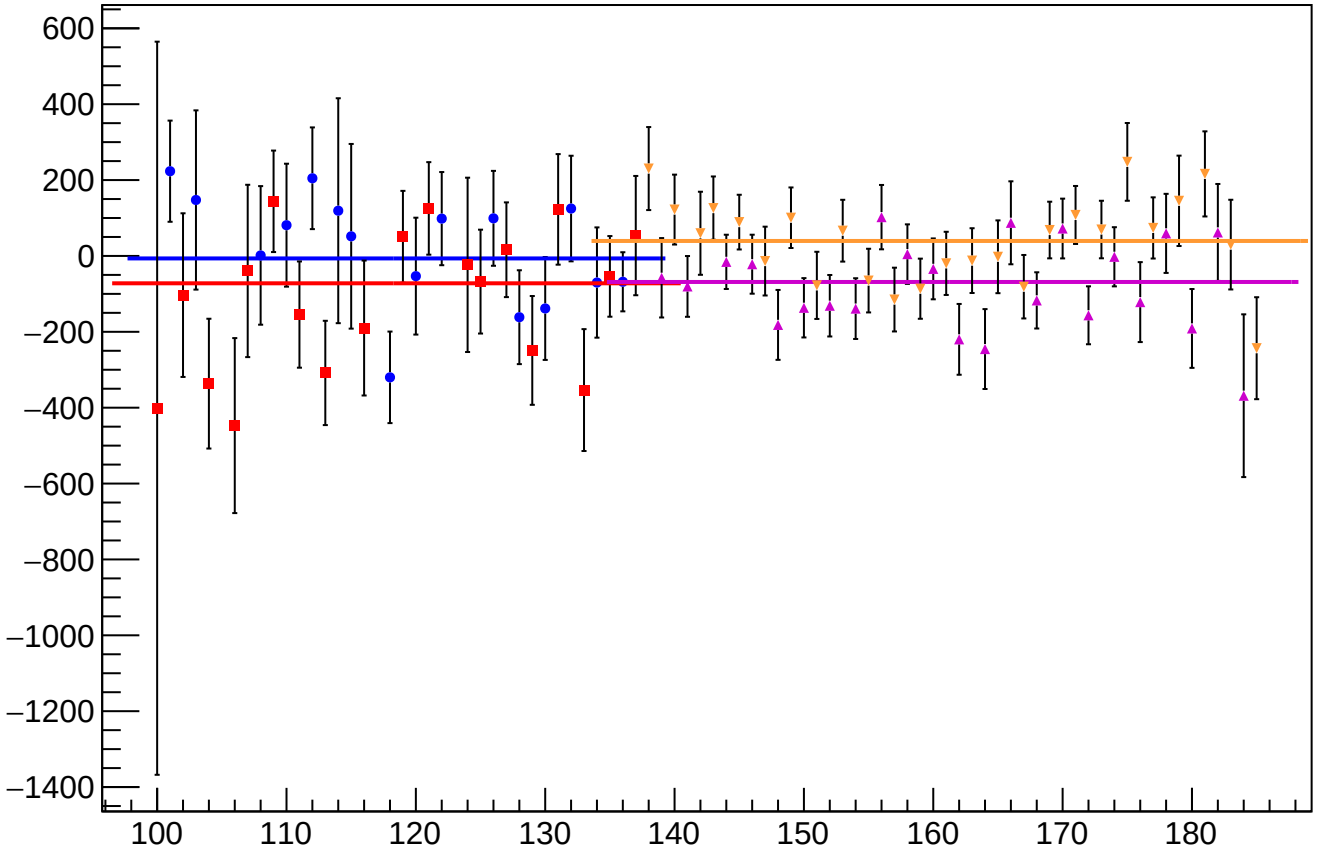
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5653569.1/40

All: 0.000+/-0.000 χ^2/NDF: 11860982.2/82

- 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: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

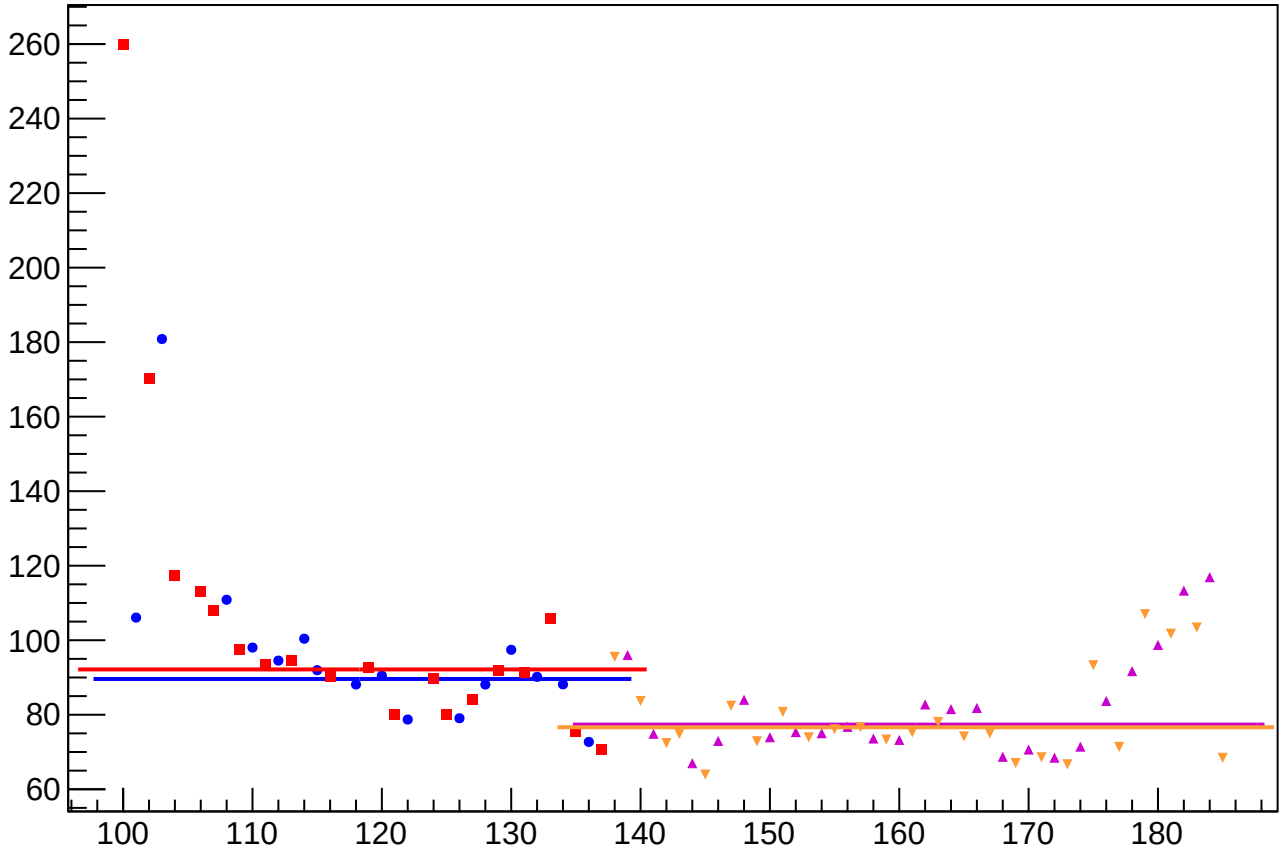
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.819+/-15.704 χ^2/NDF: 52.3/40

All: -18.185+/-11.282 χ^2/NDF: 123.4/82

- 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: 76.646+/-0.012 χ^2/NDF:654608.6/24

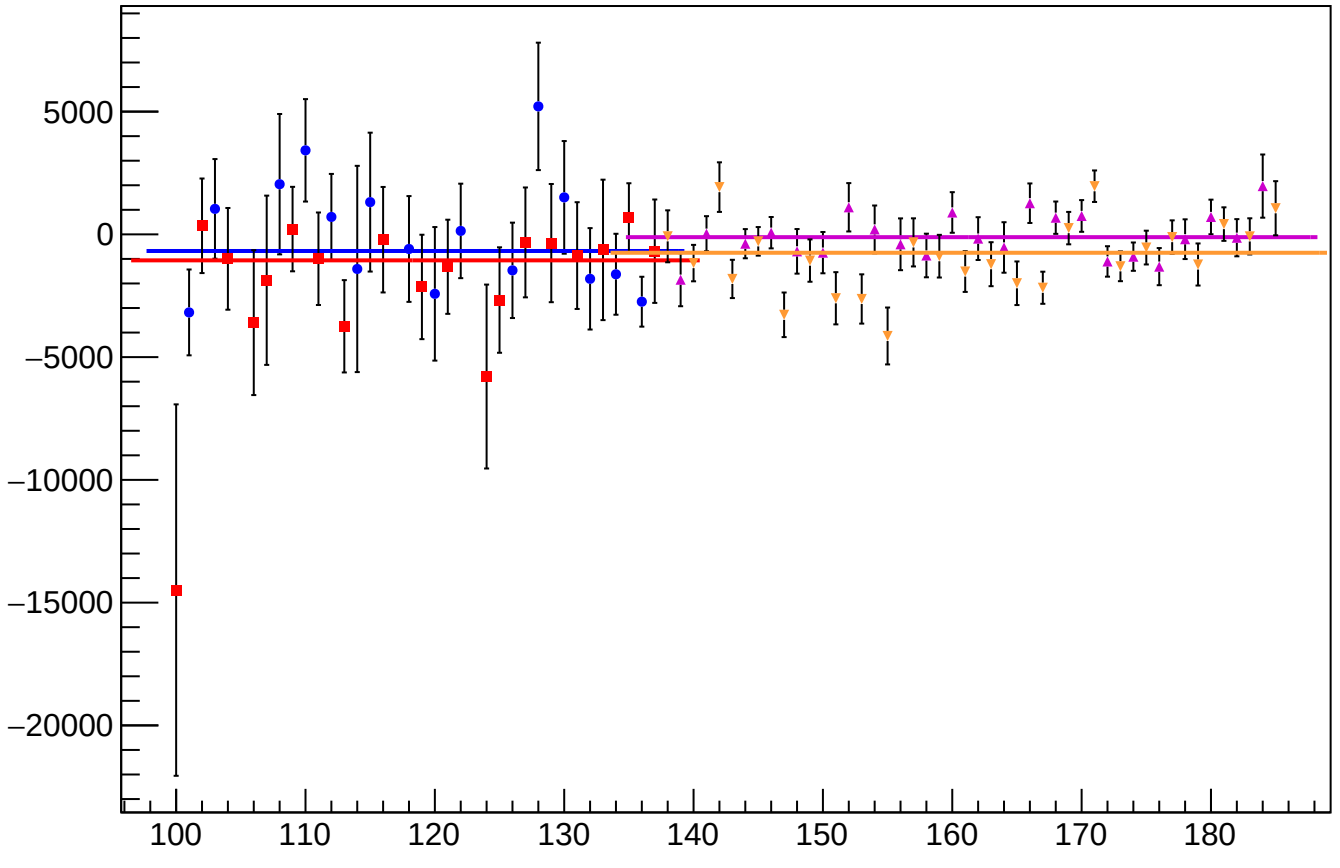
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.365+/-0.011 χ^2/NDF: 1378704.3/40

All: 79.938+/-0.008 χ^2/NDF: 2799400.0/82

- 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: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

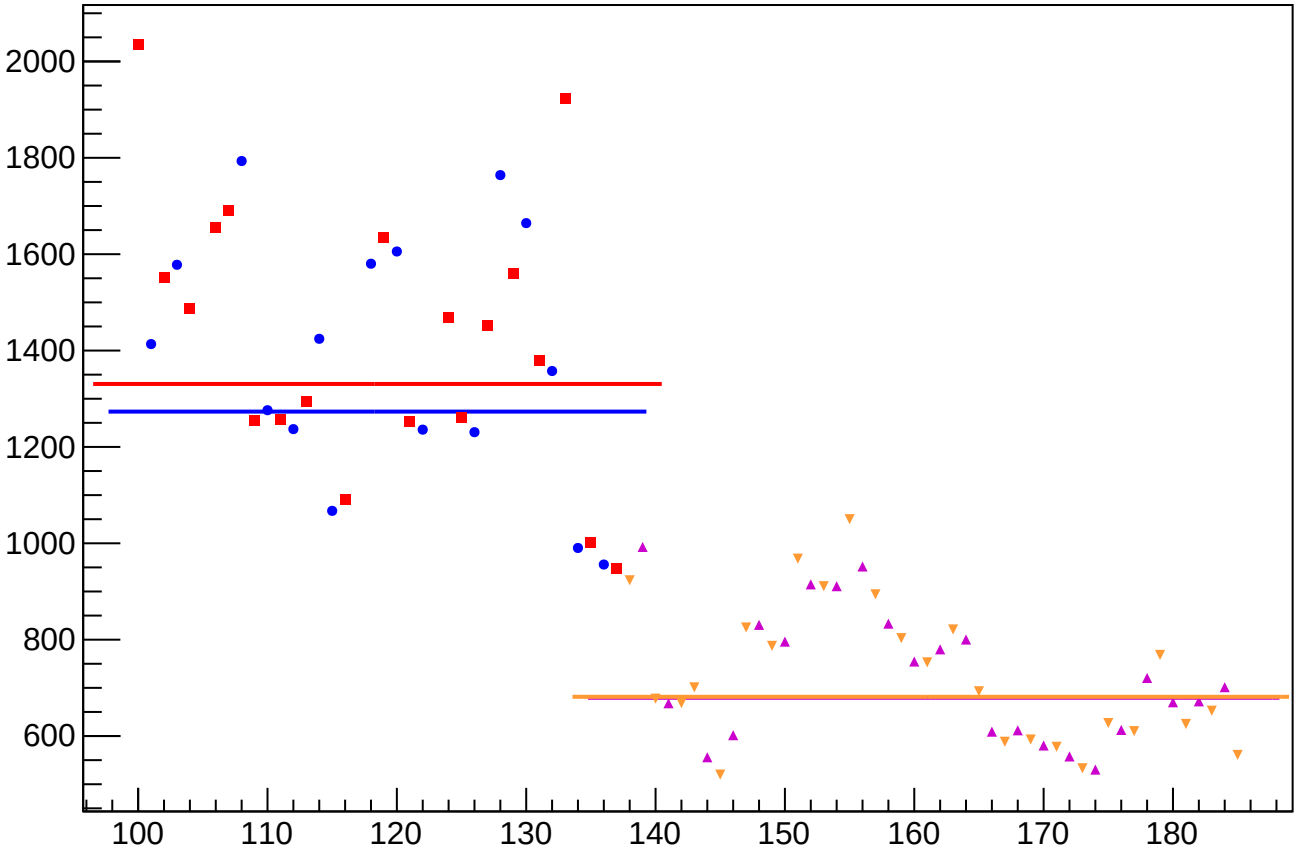
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -742.739+/-150.343 χ^2/NDF: 90.3/40

All: -479.846+/-107.524 χ^2/NDF: 136.3/82

- 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: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

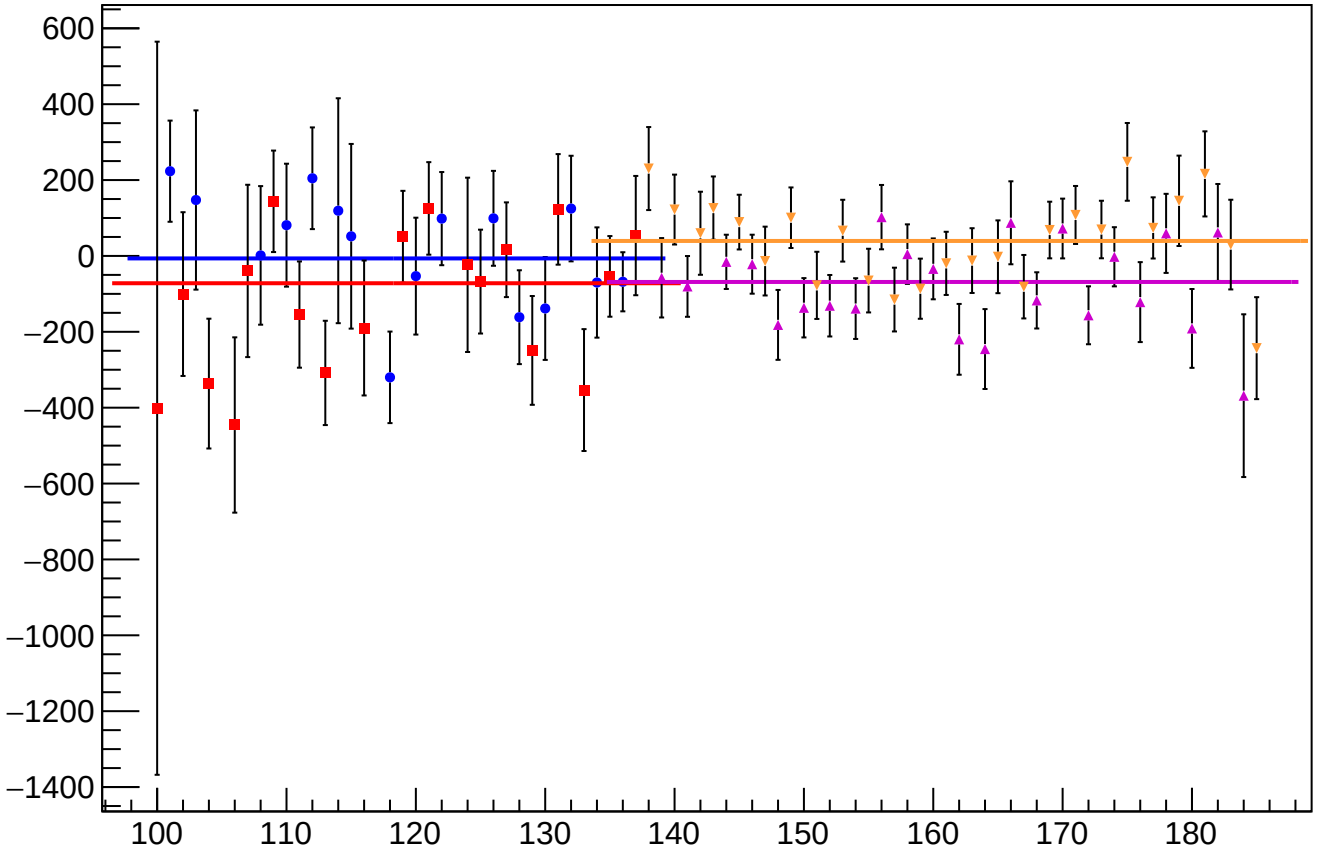
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 737.957+/-0.106 χ^2/NDF: 4609660.7/40

All: 739.921+/-0.076 χ^2/NDF: 9378853.9/82

- 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: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

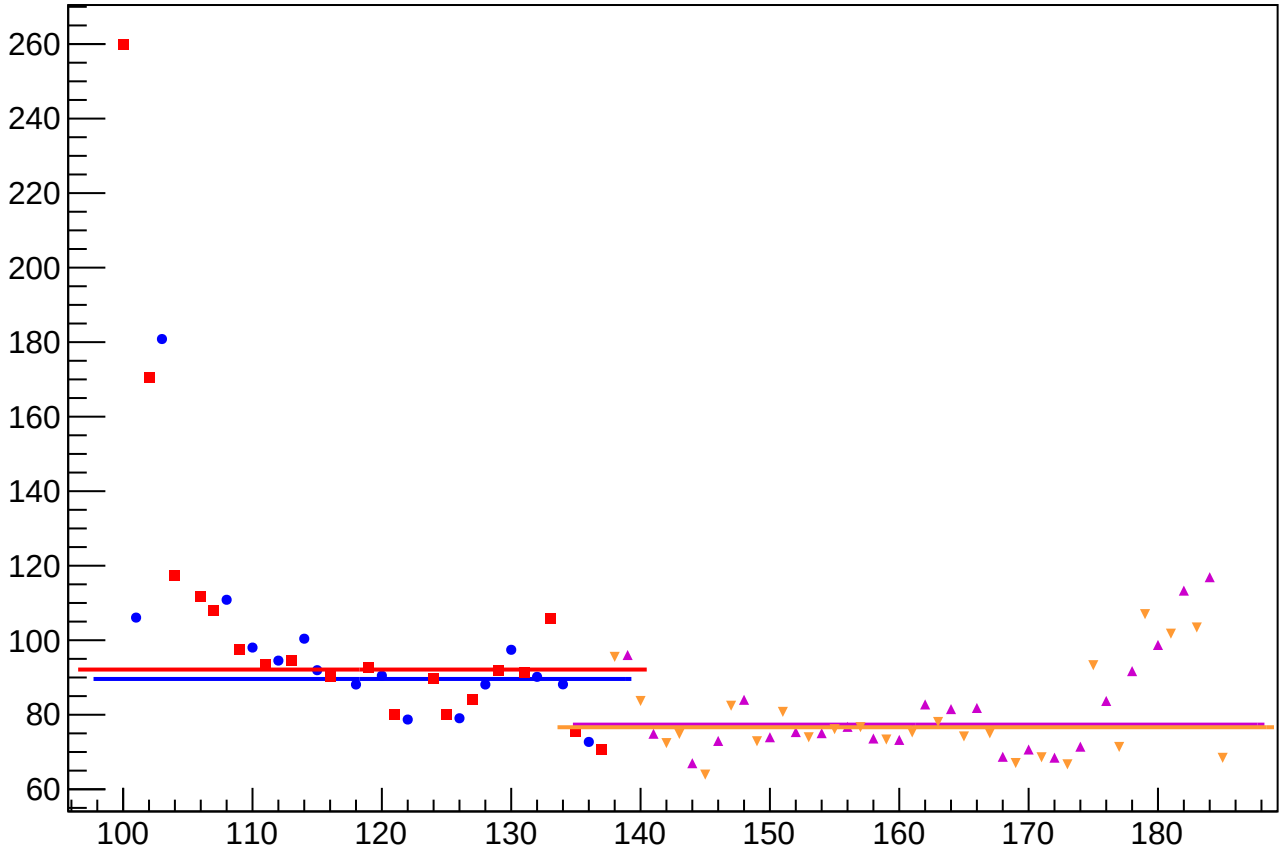
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.823+/-15.704 χ^2/NDF: 52.3/40

All: -18.167+/-11.282 χ^2/NDF: 123.4/82

- 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: 76.646+/-0.012 χ^2/NDF:654608.7/24

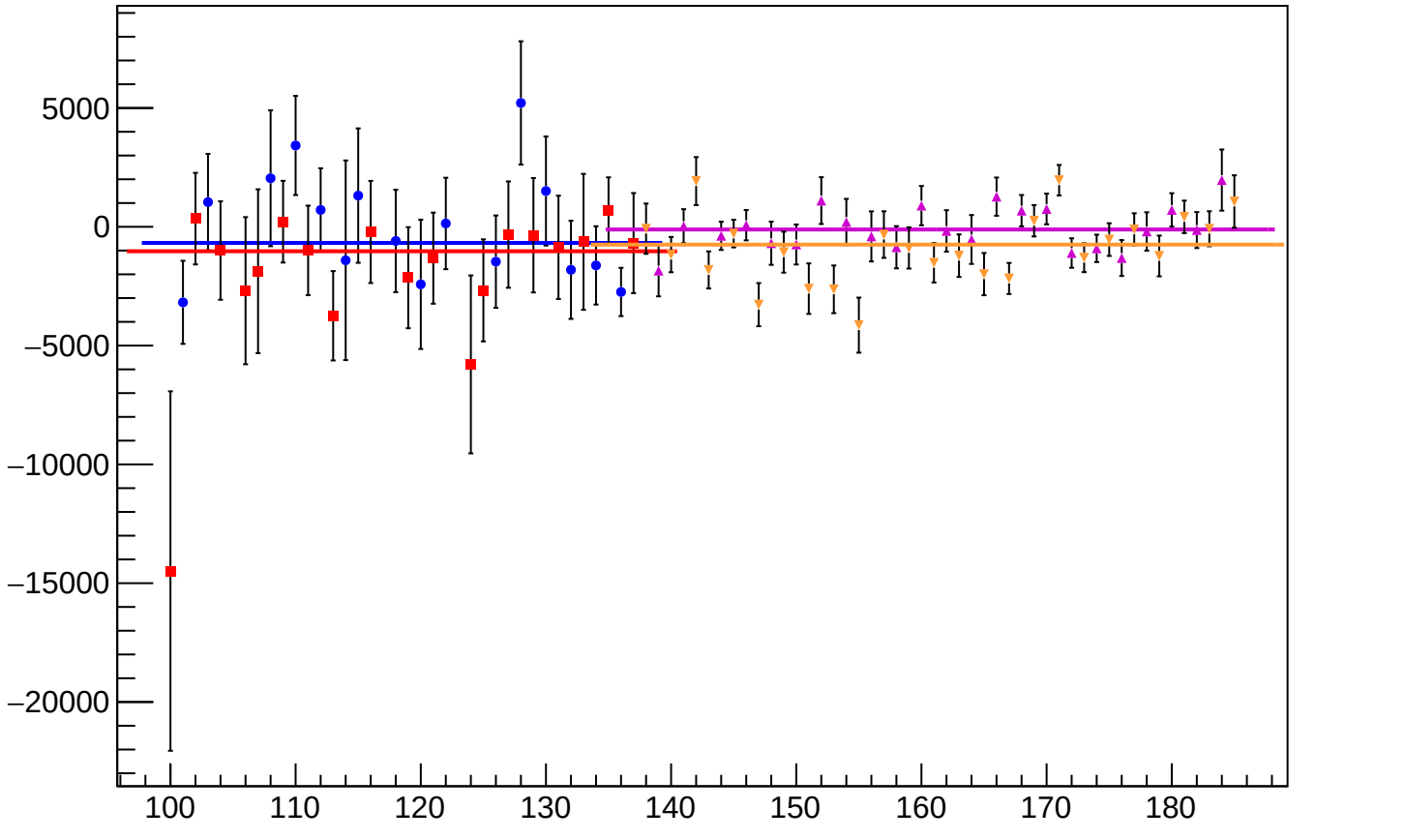
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.365+/-0.011 χ^2/NDF: 1378707.9/40

All: 79.935+/-0.008 χ^2/NDF: 2796334.9/82

- 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: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

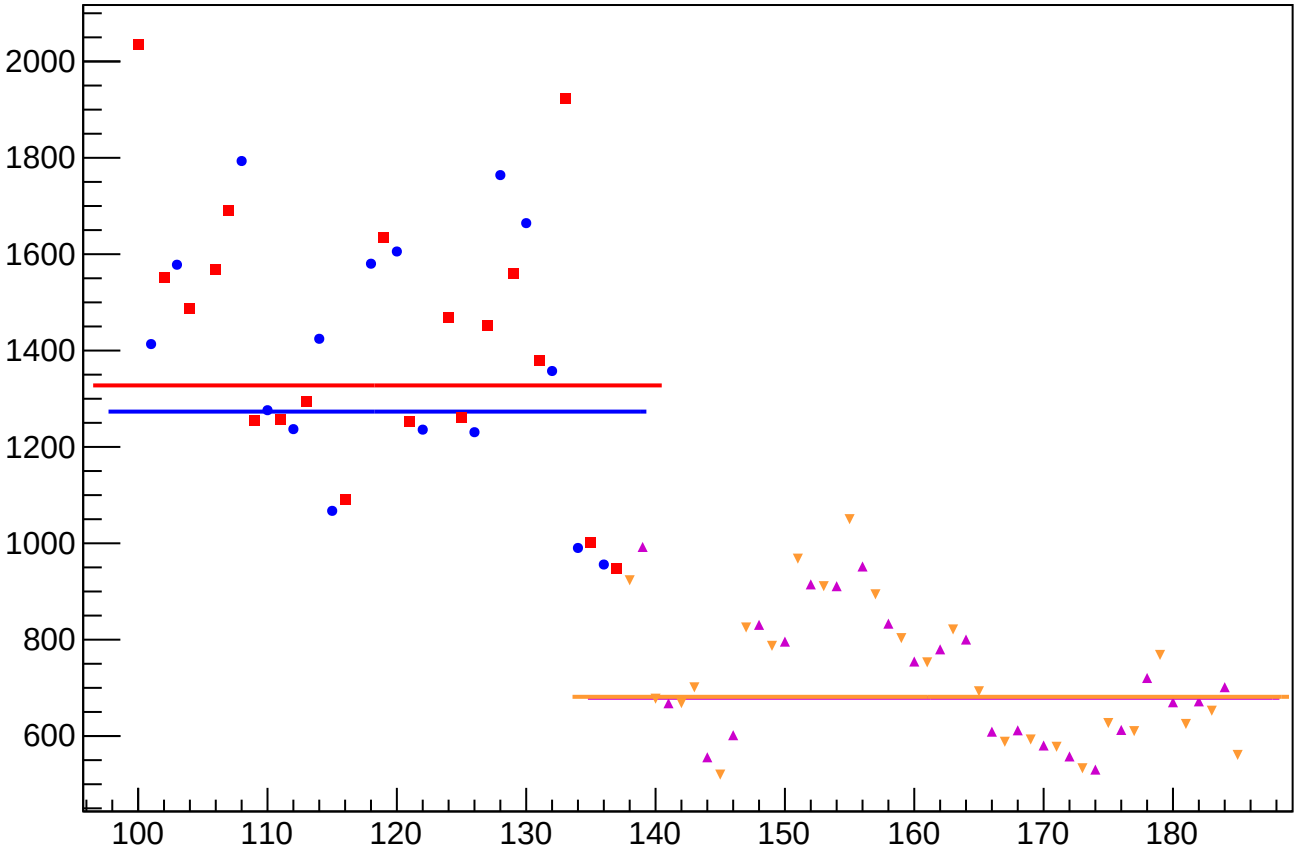
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -742.728+/-150.343 χ^2/NDF: 90.3/40

All: -478.393+/-107.531 χ^2/NDF: 135.7/82

- 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: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

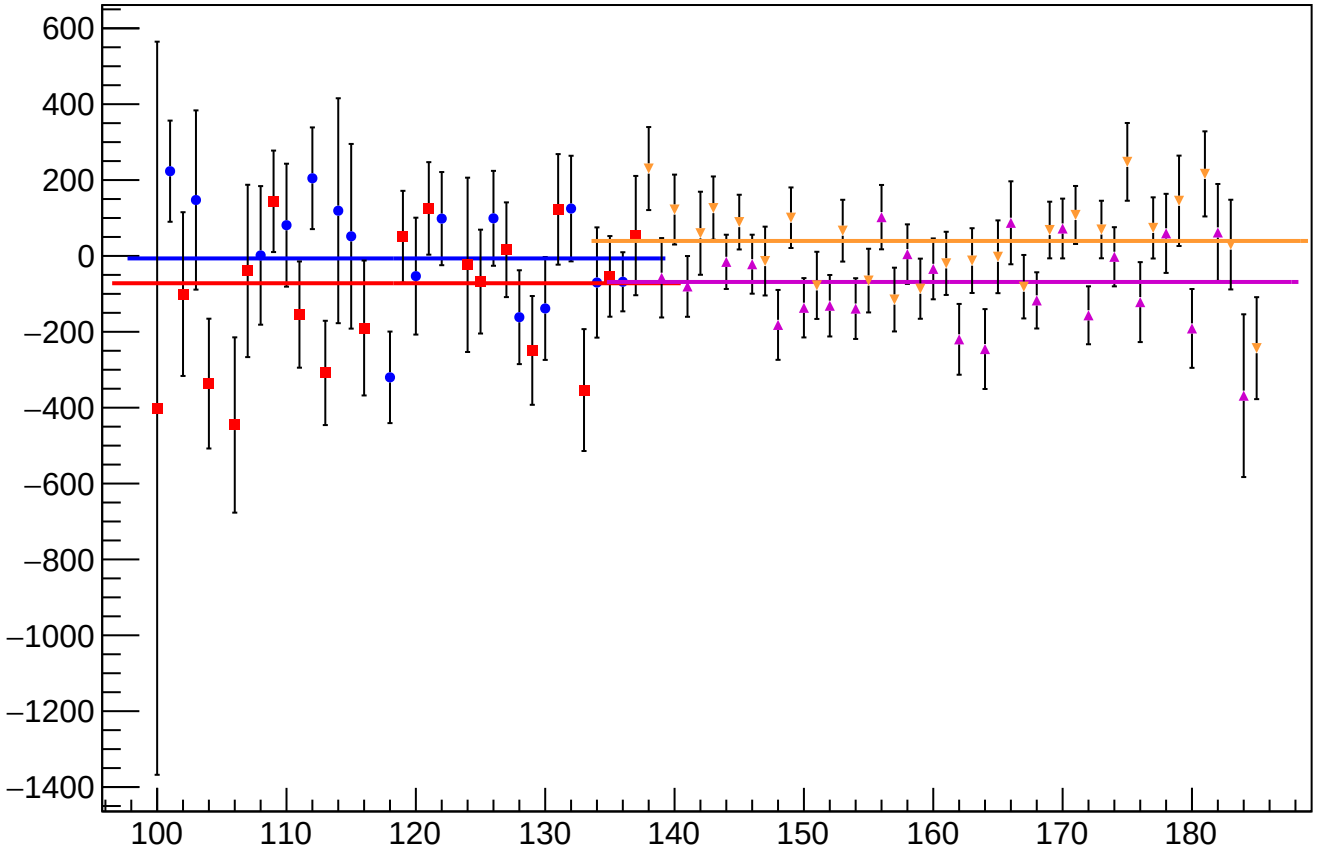
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 737.957+/-0.106 χ^2/NDF: 4609702.9/40

All: 739.705+/-0.076 χ^2/NDF: 9330216.5/82

- 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: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

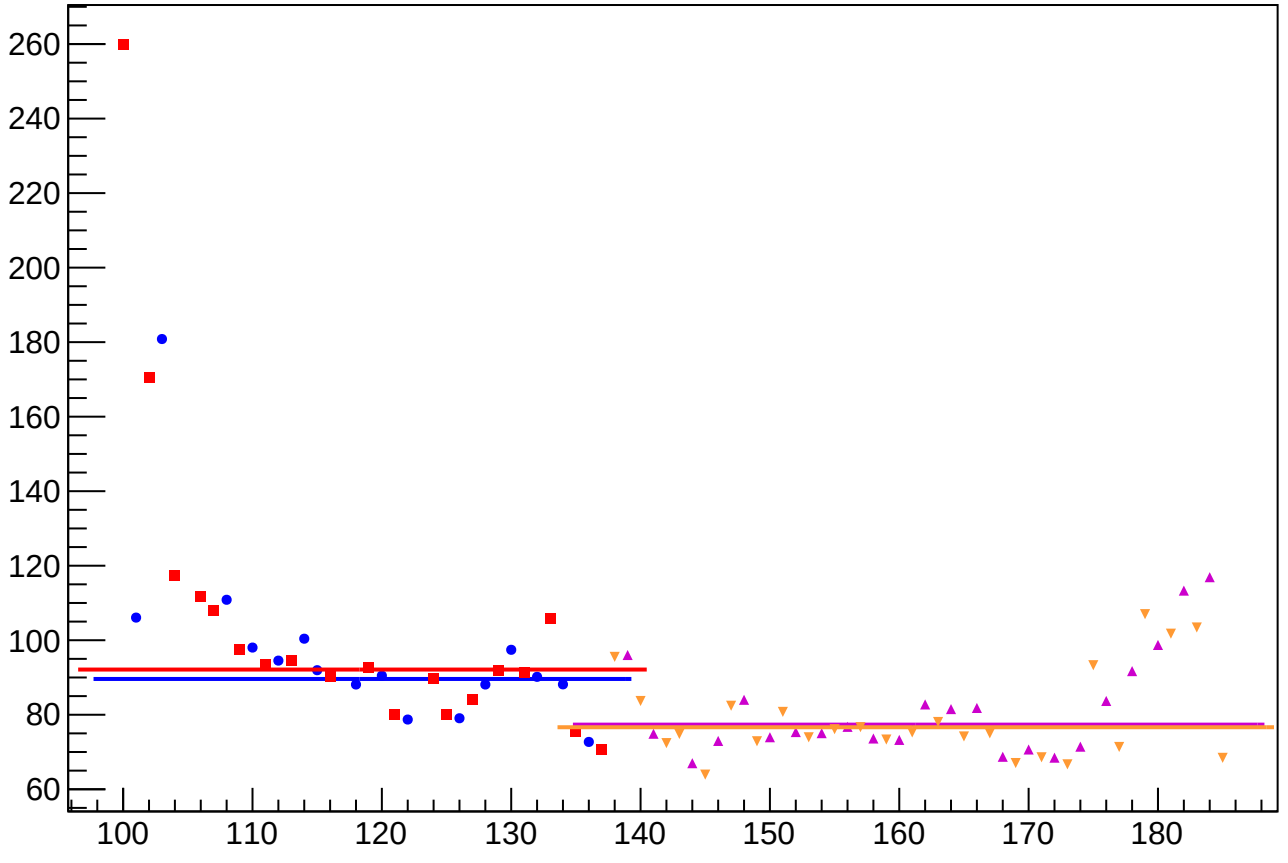
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.823+/-15.704 χ^2/NDF: 52.3/40

All: -18.167+/-11.282 χ^2/NDF: 123.4/82

- 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: 76.646+/-0.012 χ^2/NDF:654608.7/24

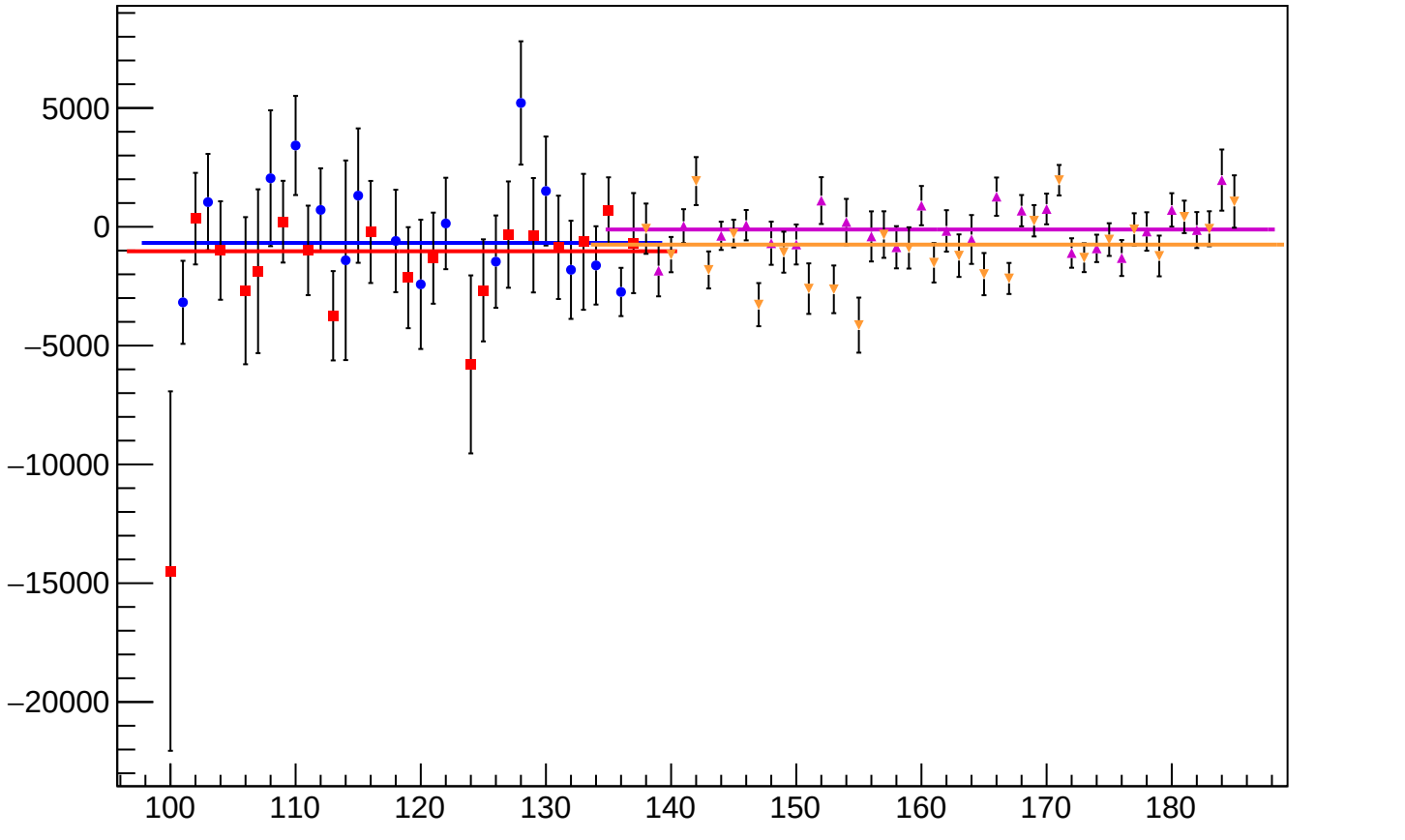
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.365+/-0.011 χ^2/NDF: 1378707.9/40

All: 79.935+/-0.008 χ^2/NDF: 2796334.9/82

- 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: -749.632+/-158.081 χ^2/NDF:70.0/24

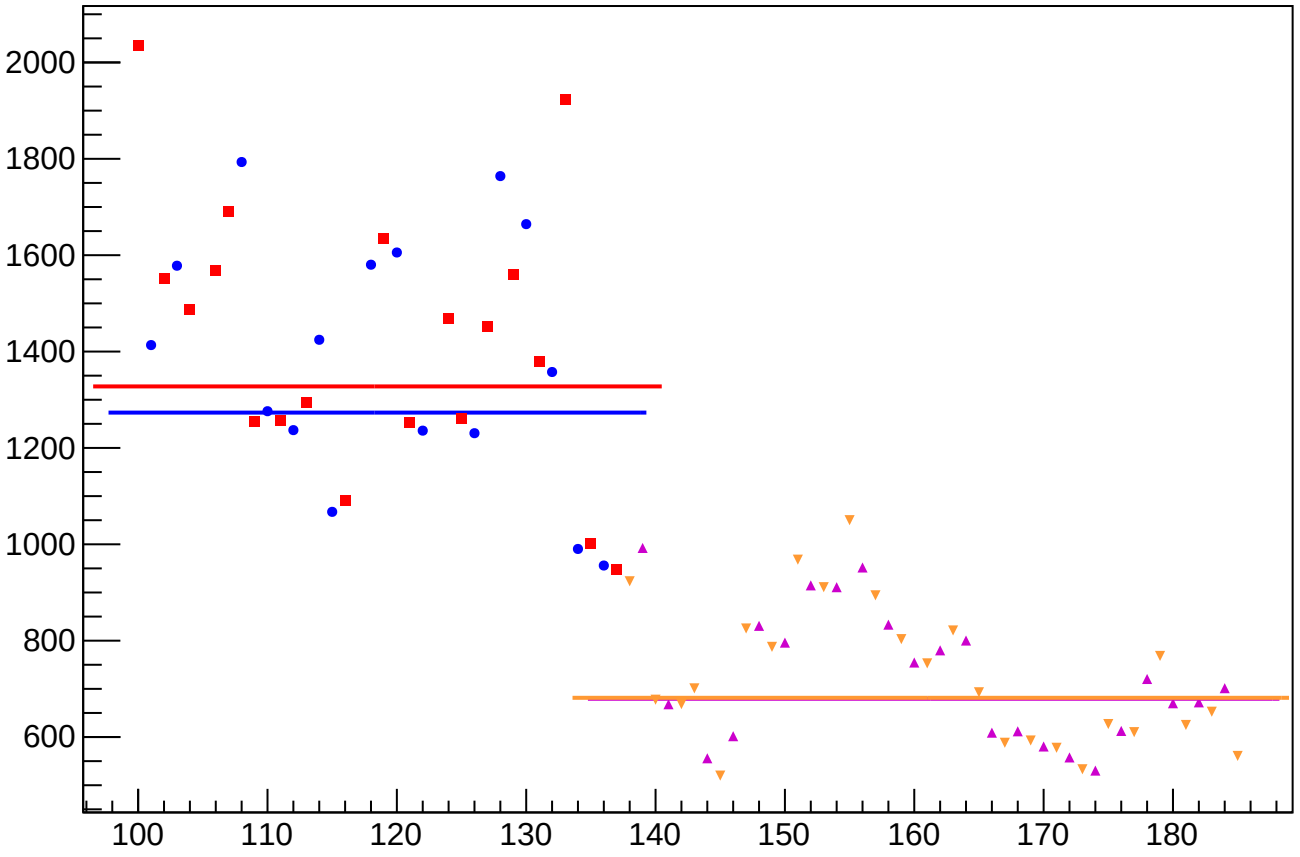
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -742.728+/-150.343 χ^2/NDF: 90.3/40

All: -478.393+/-107.531 χ^2/NDF: 135.7/82

- sign -201.543+/-153.861 χ^2/NDF: 39.1/41



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

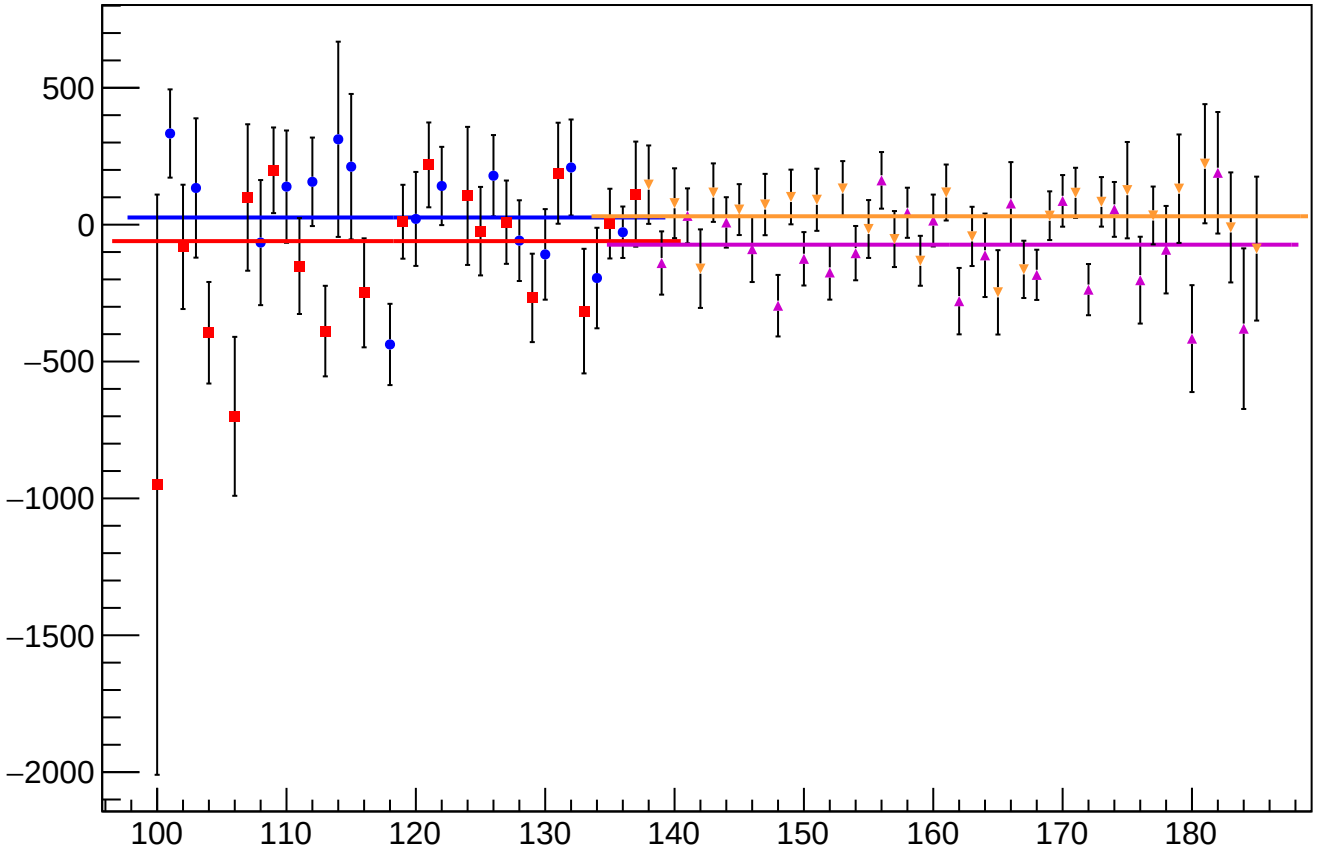
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

\+ sign 737.957+/-0.106 χ^2/NDF: 4609702.9/40

All: 739.705+/-0.076 χ^2/NDF: 9330216.5/82

\- 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: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

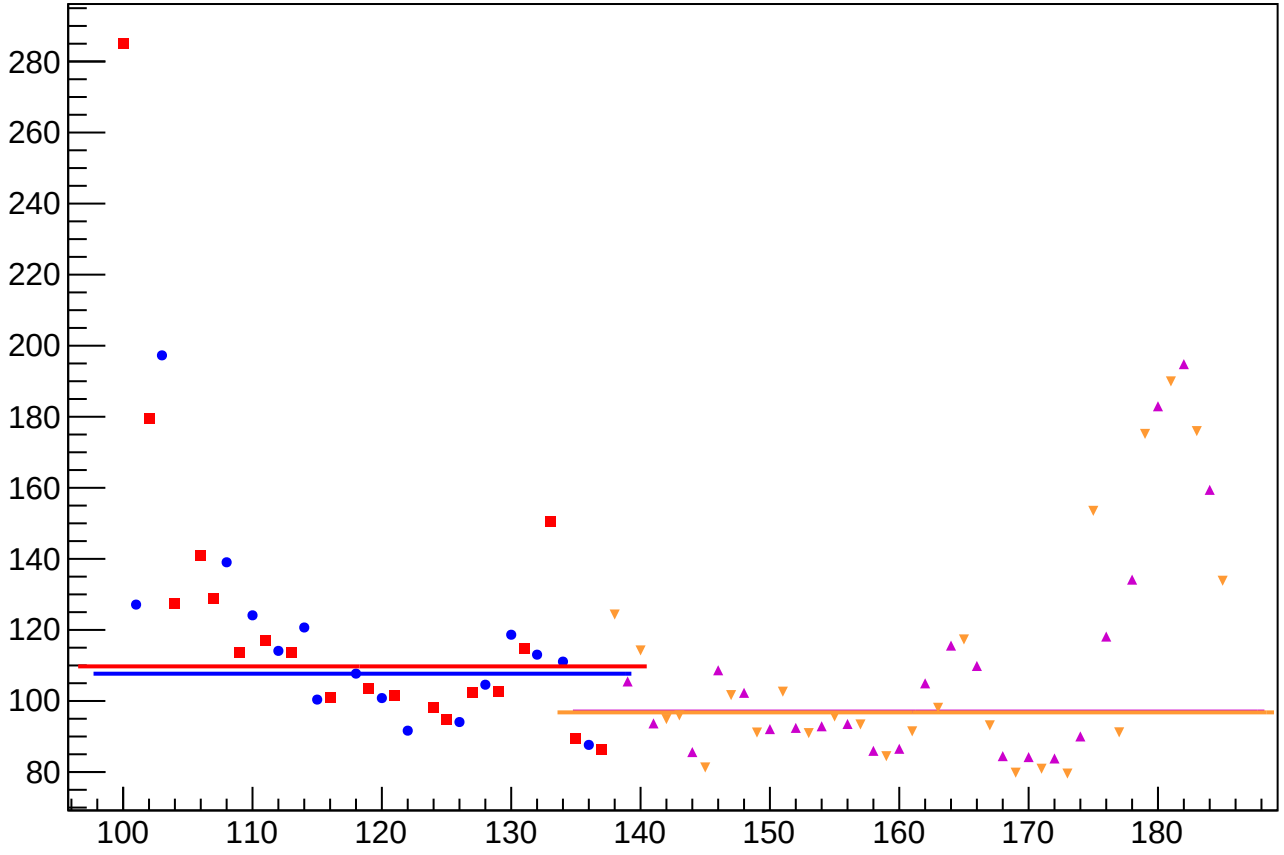
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.642+/-19.989 χ^2/NDF: 41.3/40

All: -19.013+/-14.298 χ^2/NDF: 115.0/82

- 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: 96.794+/-0.016 χ^2/NDF:1720415.9/24

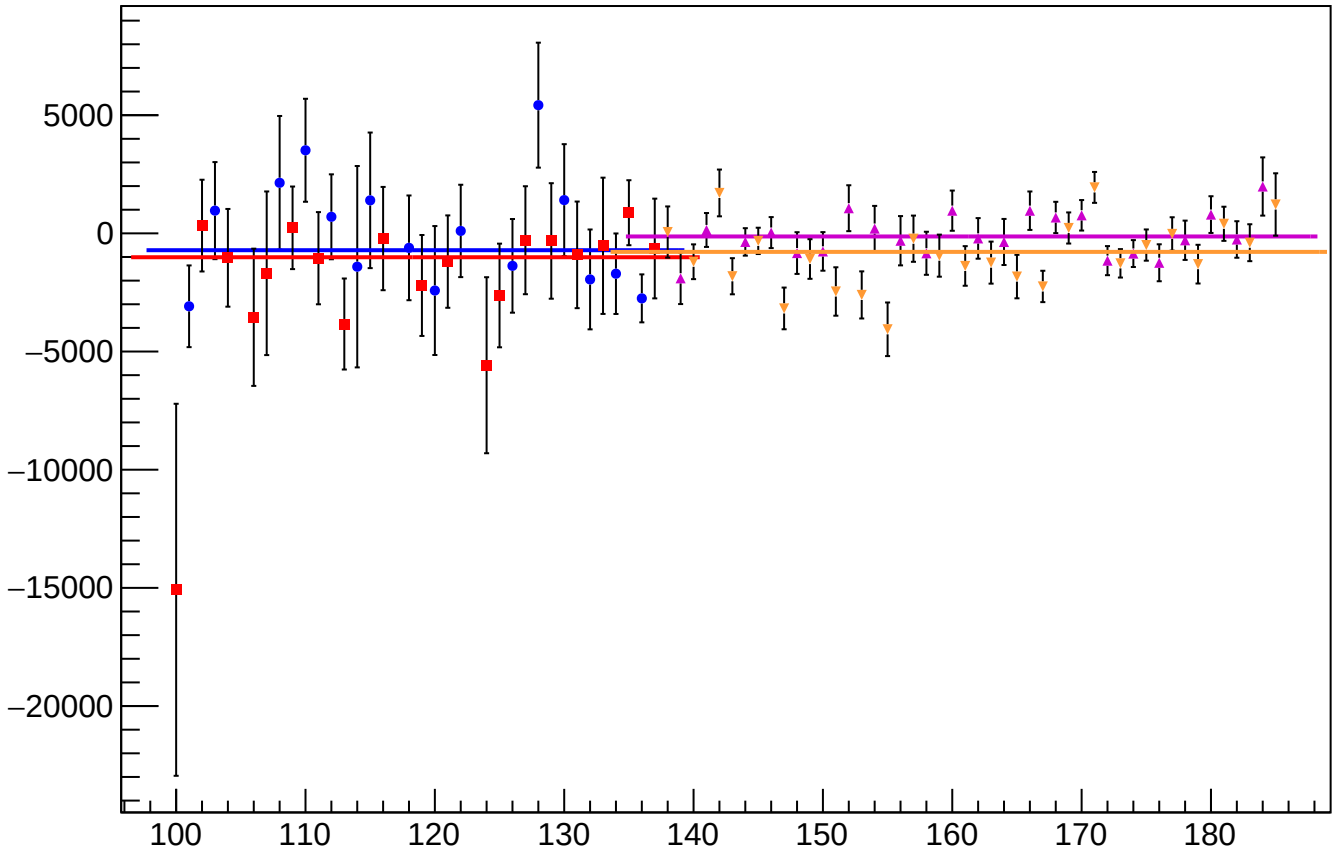
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 99.354+/-0.014 χ^2/NDF: 2310222.0/40

All: 99.721+/-0.010 χ^2/NDF: 4266731.2/82

- 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: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

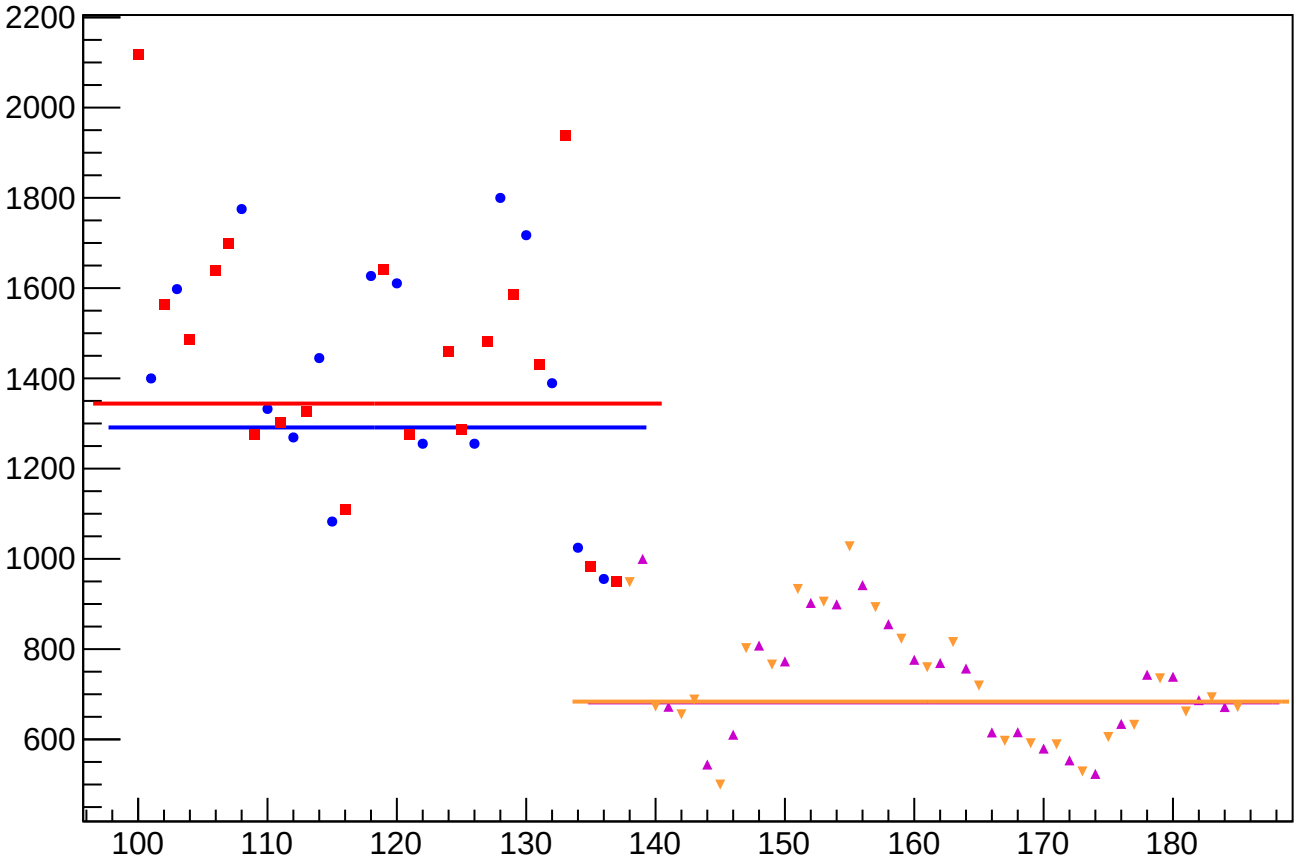
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -777.136+/-150.753 χ^2/NDF: 86.5/40

All: -502.915+/-107.901 χ^2/NDF: 132.0/82

- 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: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

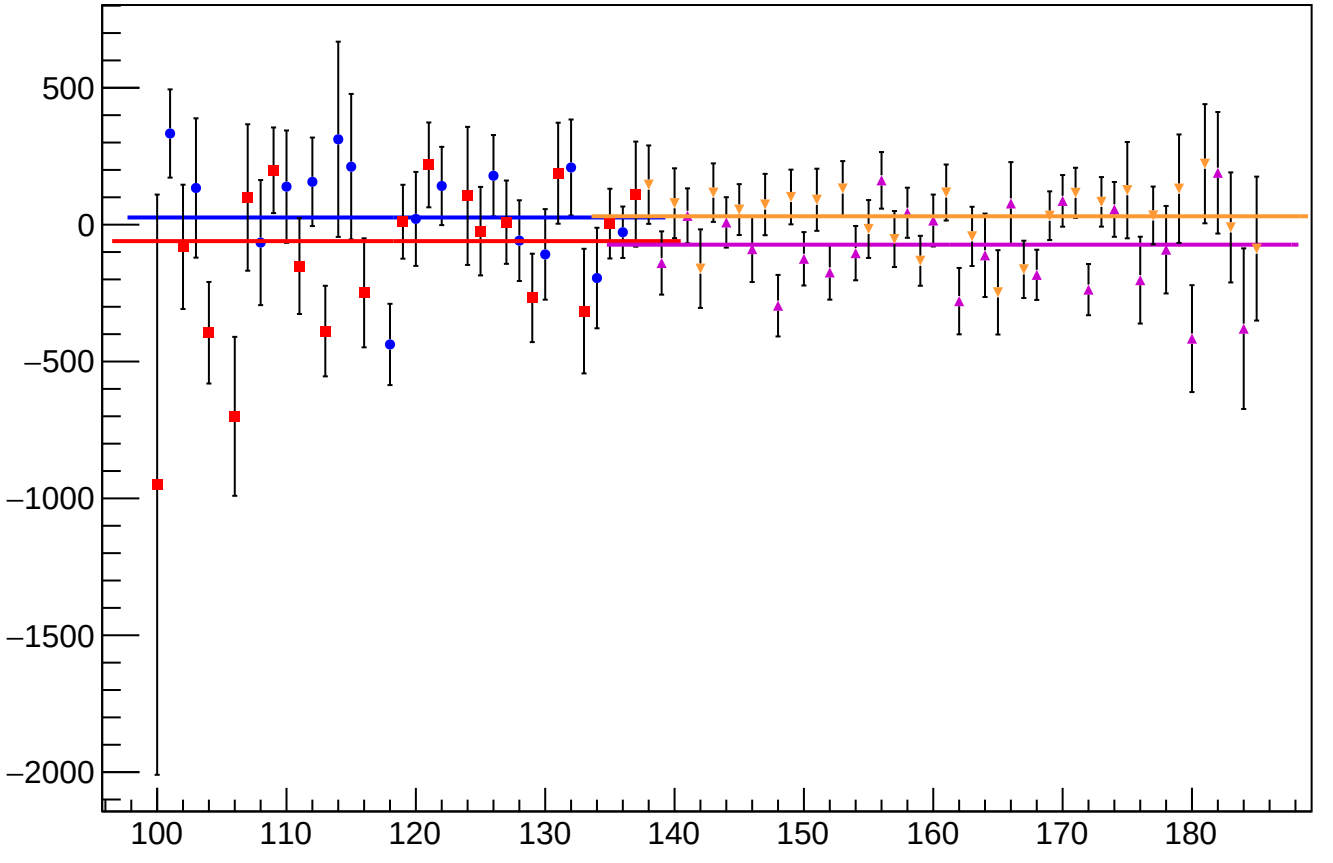
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 740.447+/-0.107 χ^2/NDF: 4659486.0/40

All: 742.591+/-0.076 χ^2/NDF: 9494550.1/82

- 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: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

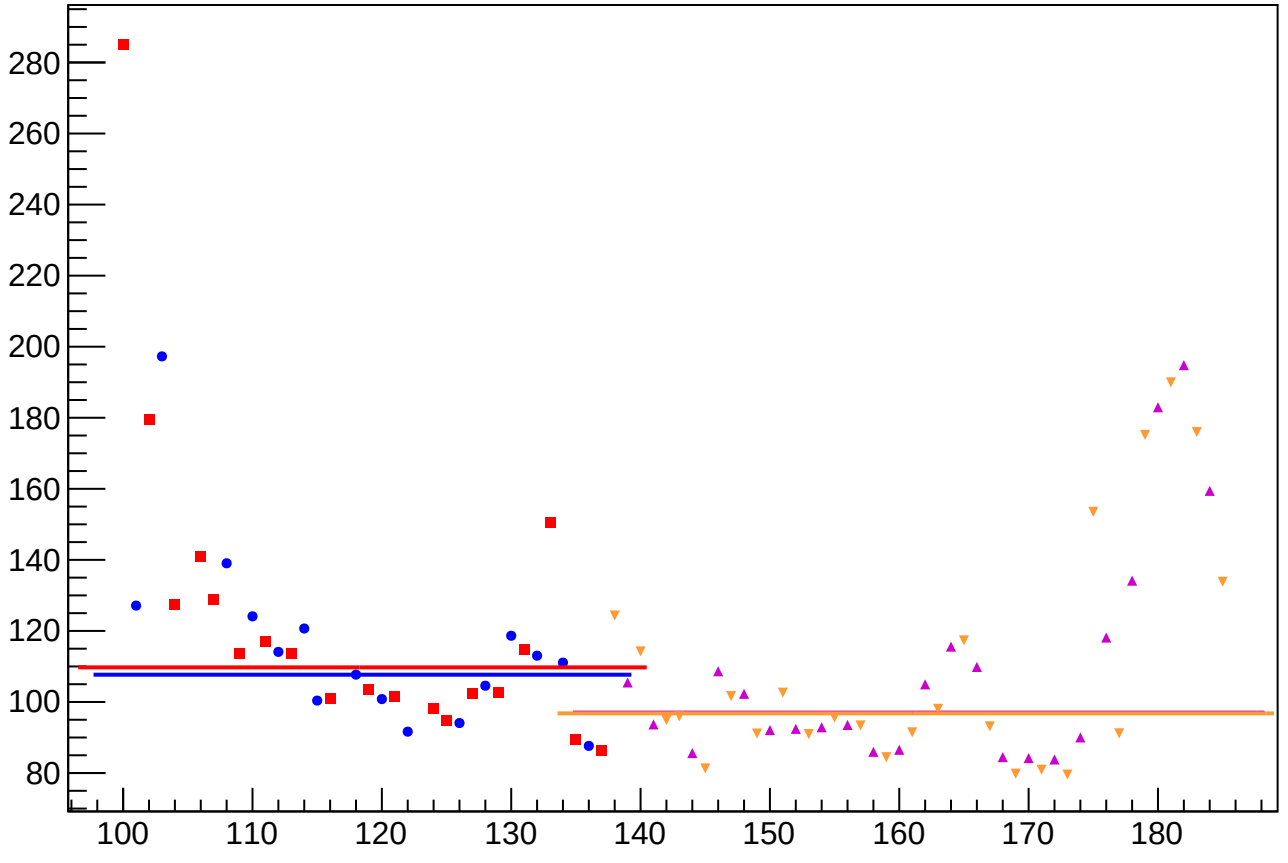
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.642+/-19.989 χ^2/NDF: 41.3/40

All: -19.012+/-14.298 χ^2/NDF: 115.0/82

- 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: 96.795+/-0.016 χ^2/NDF:1720415.9/24

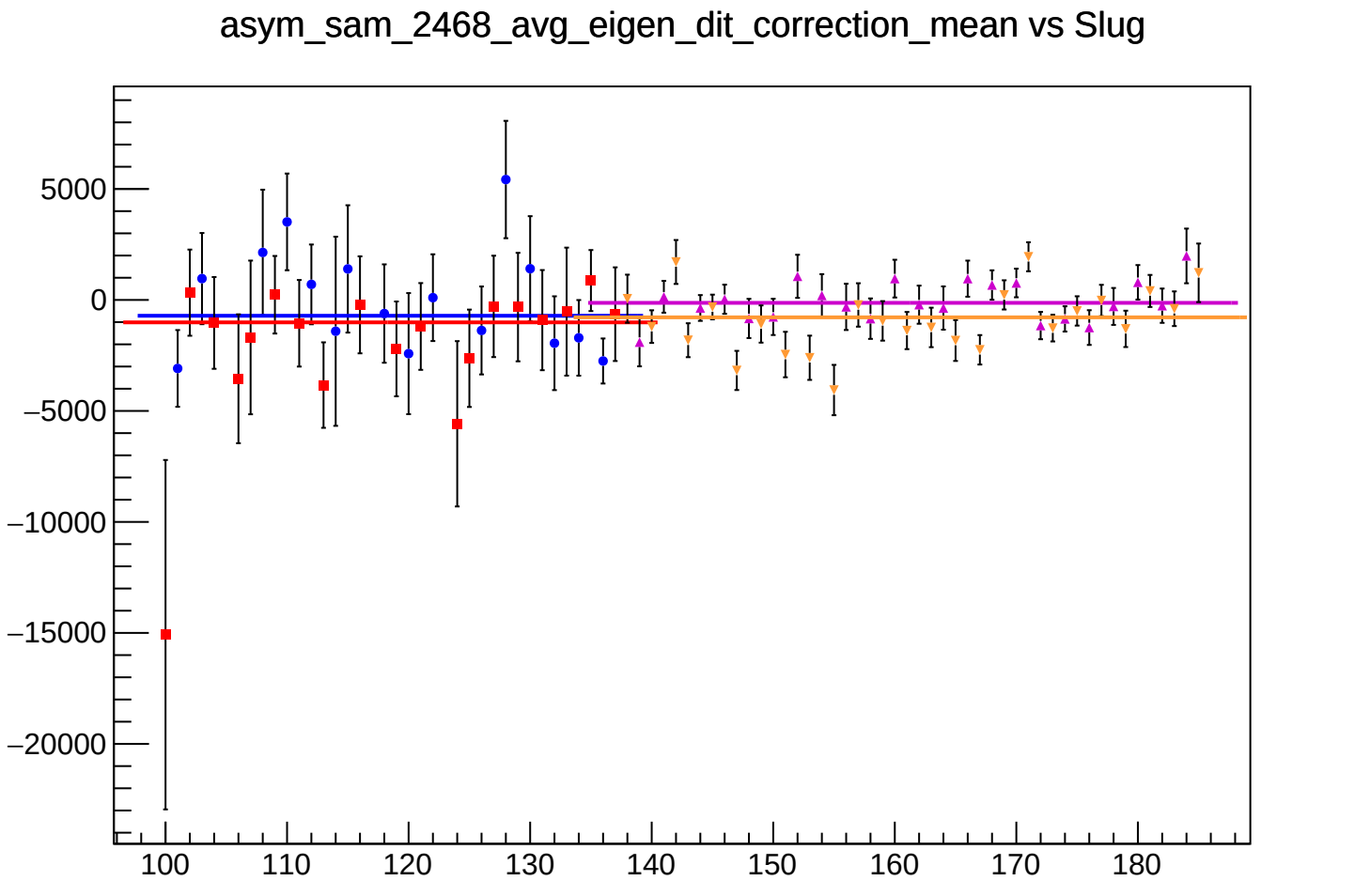
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 99.354+/-0.014 χ^2/NDF: 2310189.3/40

All: 99.721+/-0.010 χ^2/NDF: 4266659.6/82

- 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: -783.754+/-158.328 χ^2/NDF:66.3/24

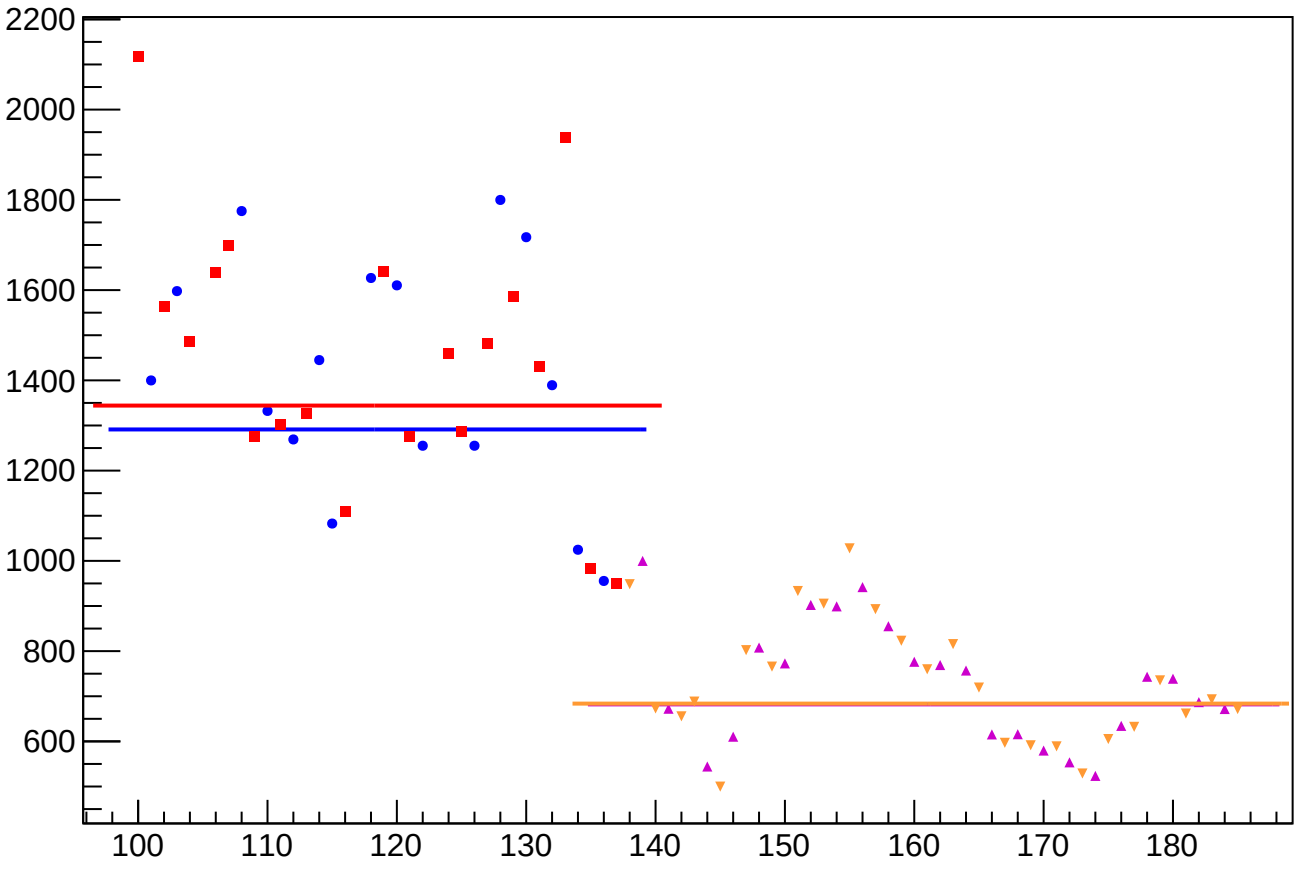
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -777.134+/-150.752 χ^2/NDF: 86.5/40

All: -502.913+/-107.900 χ^2/NDF: 132.0/82

- 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: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

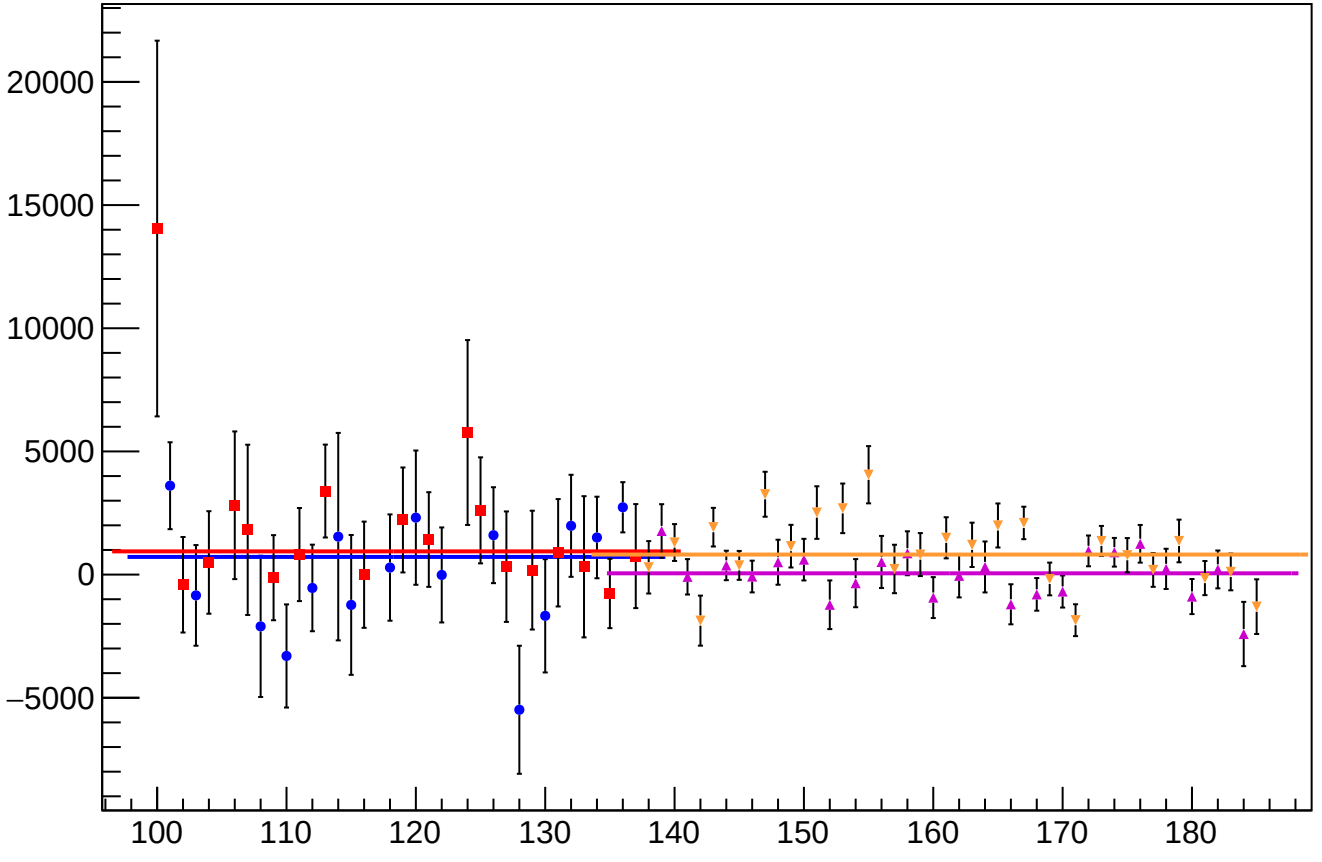
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

\+ sign 740.445+/-0.107 χ^2/NDF: 4659490.2/40

All: 742.589+/-0.076 χ^2/NDF: 9494554.5/82

\- 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: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

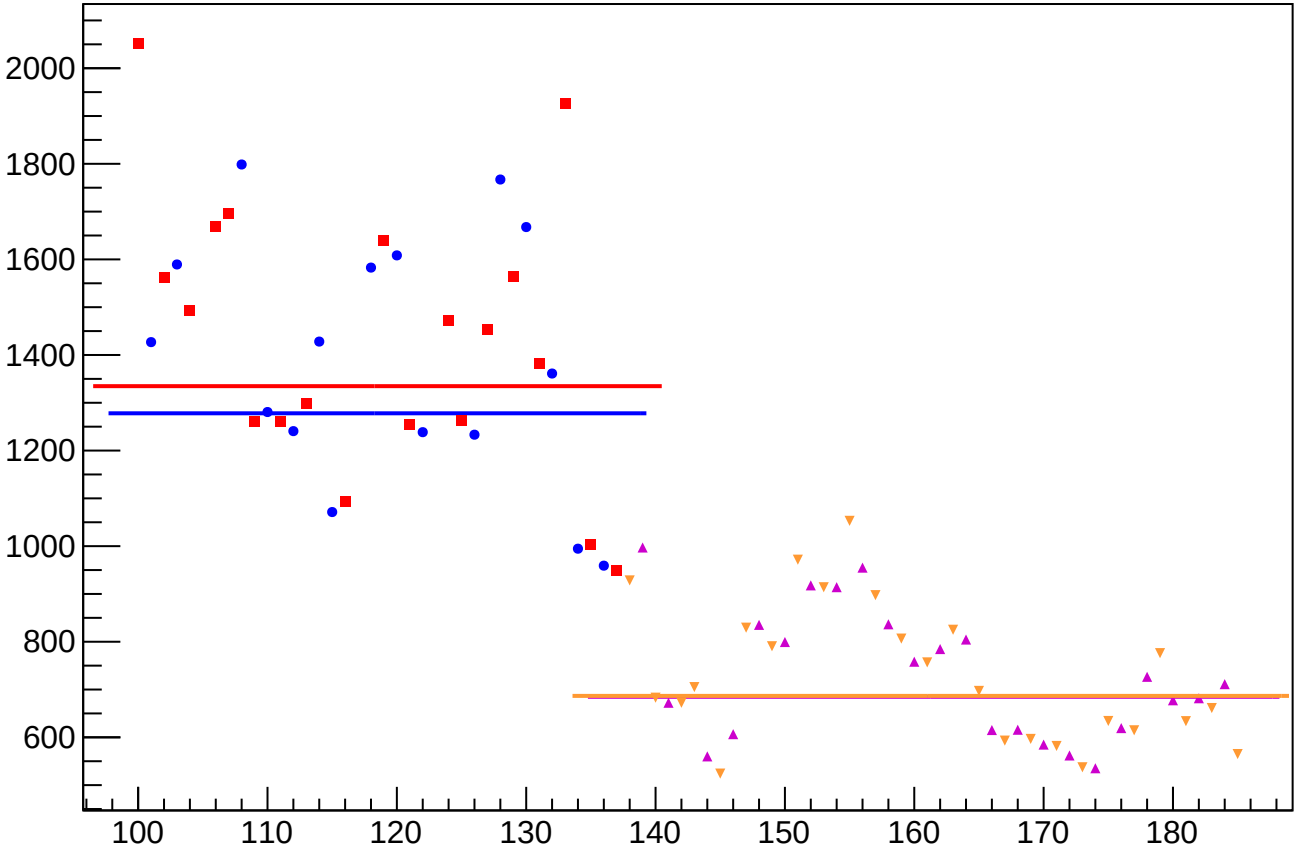
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 804.792+/-151.405 χ^2/NDF: 86.8/40

All: 479.311+/-108.290 χ^2/NDF: 135.1/82

- 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: 686.700+/-0.113 χ^2/NDF:1312231.8/24

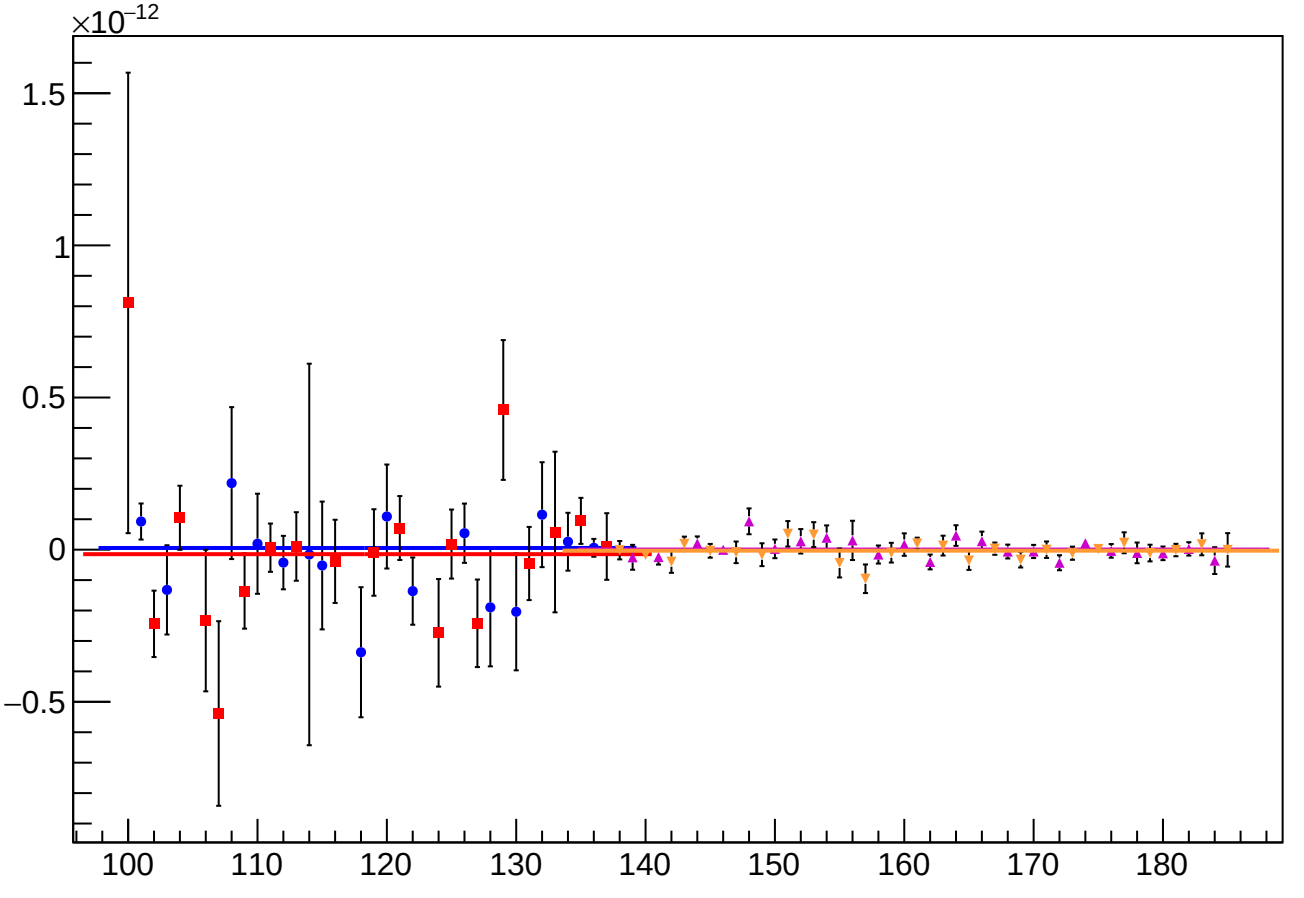
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 743.560+/-0.107 χ^2/NDF: 4561080.7/40

All: 745.570+/-0.077 χ^2/NDF: 9275813.7/82

- 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:16.5/24

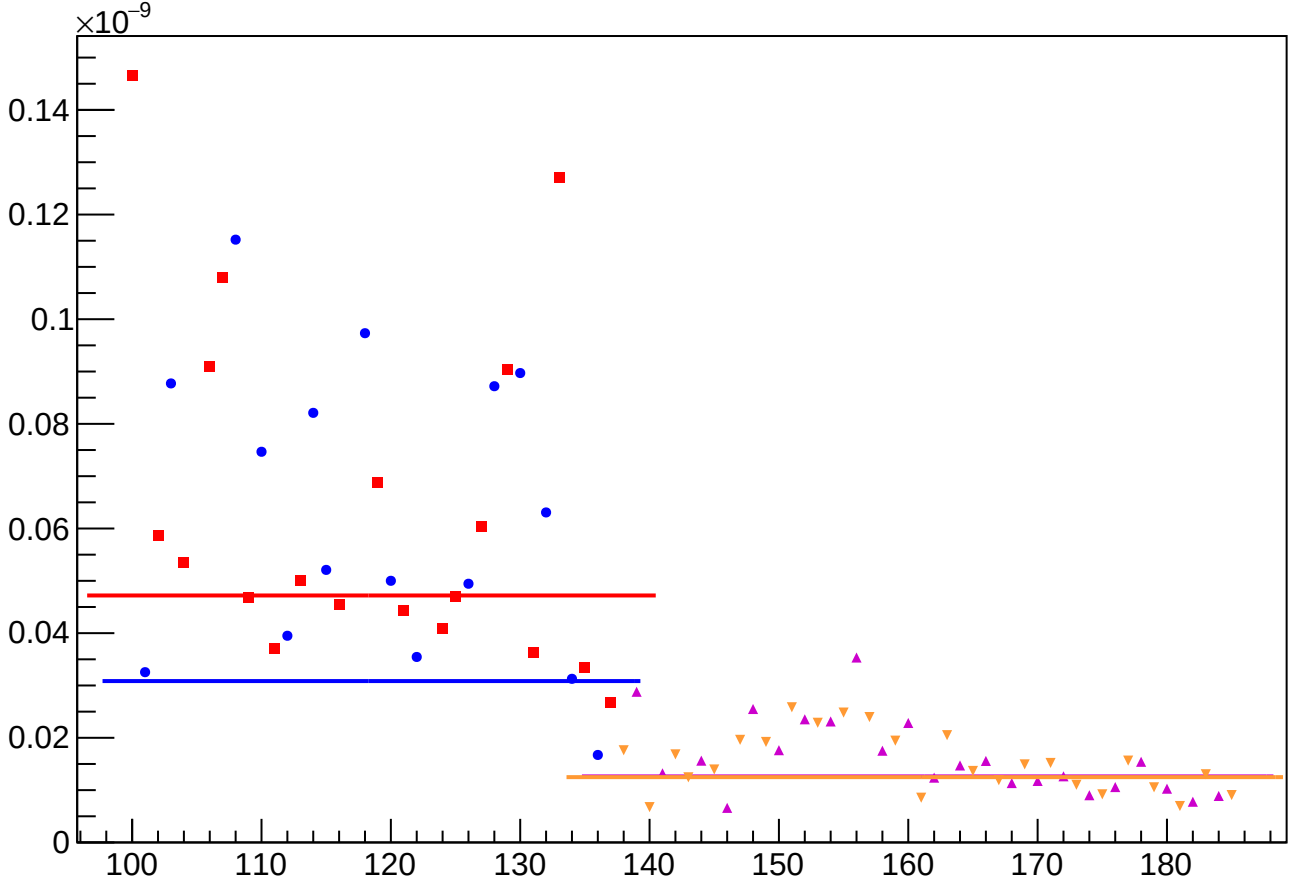
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.3/40

All: -0.000+/-0.000 χ^2/NDF: 73.0/82

- 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:1742020.0/24

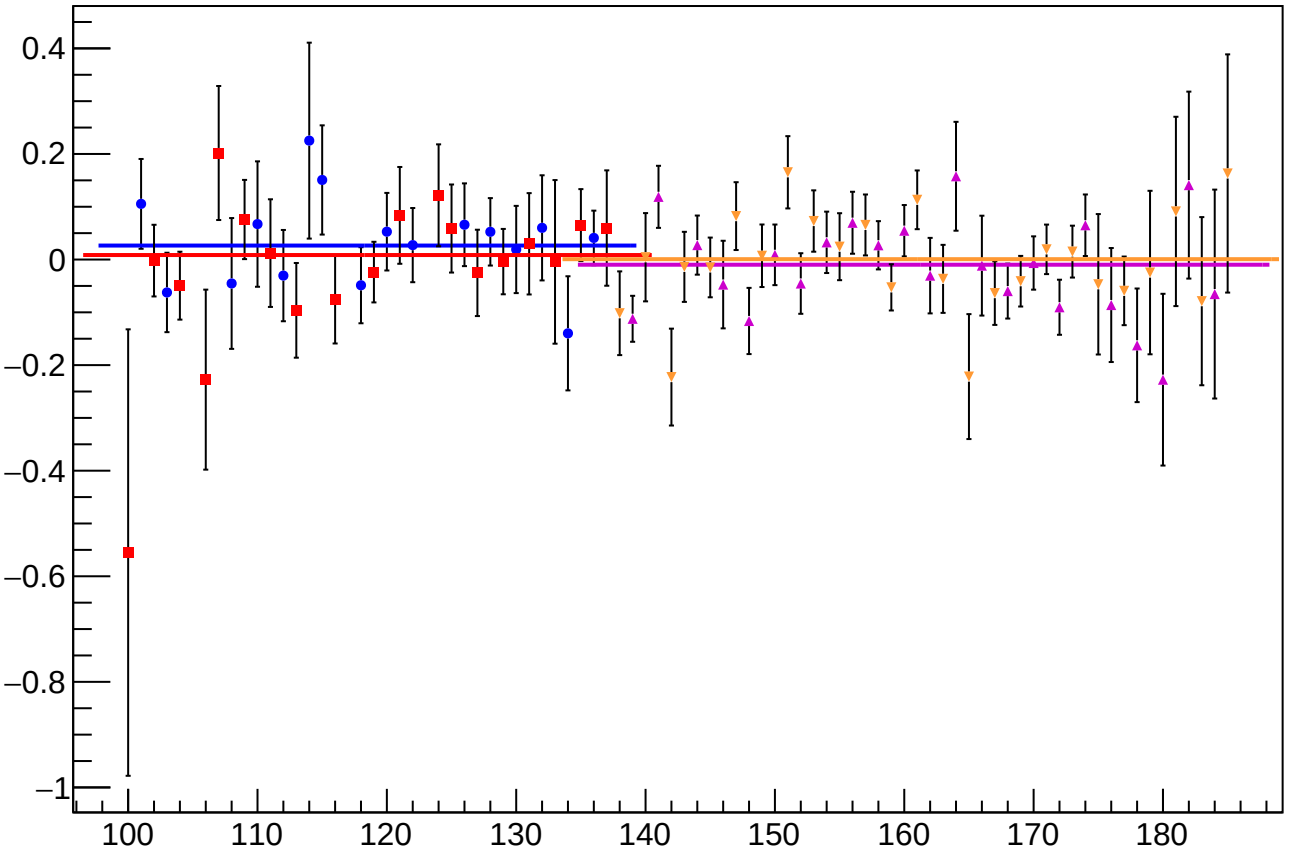
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5024354.4/40

All: 0.000+/-0.000 χ^2/NDF: 10530243.8/82

- 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: 0.001+/-0.013 χ^2/NDF:31.7/24

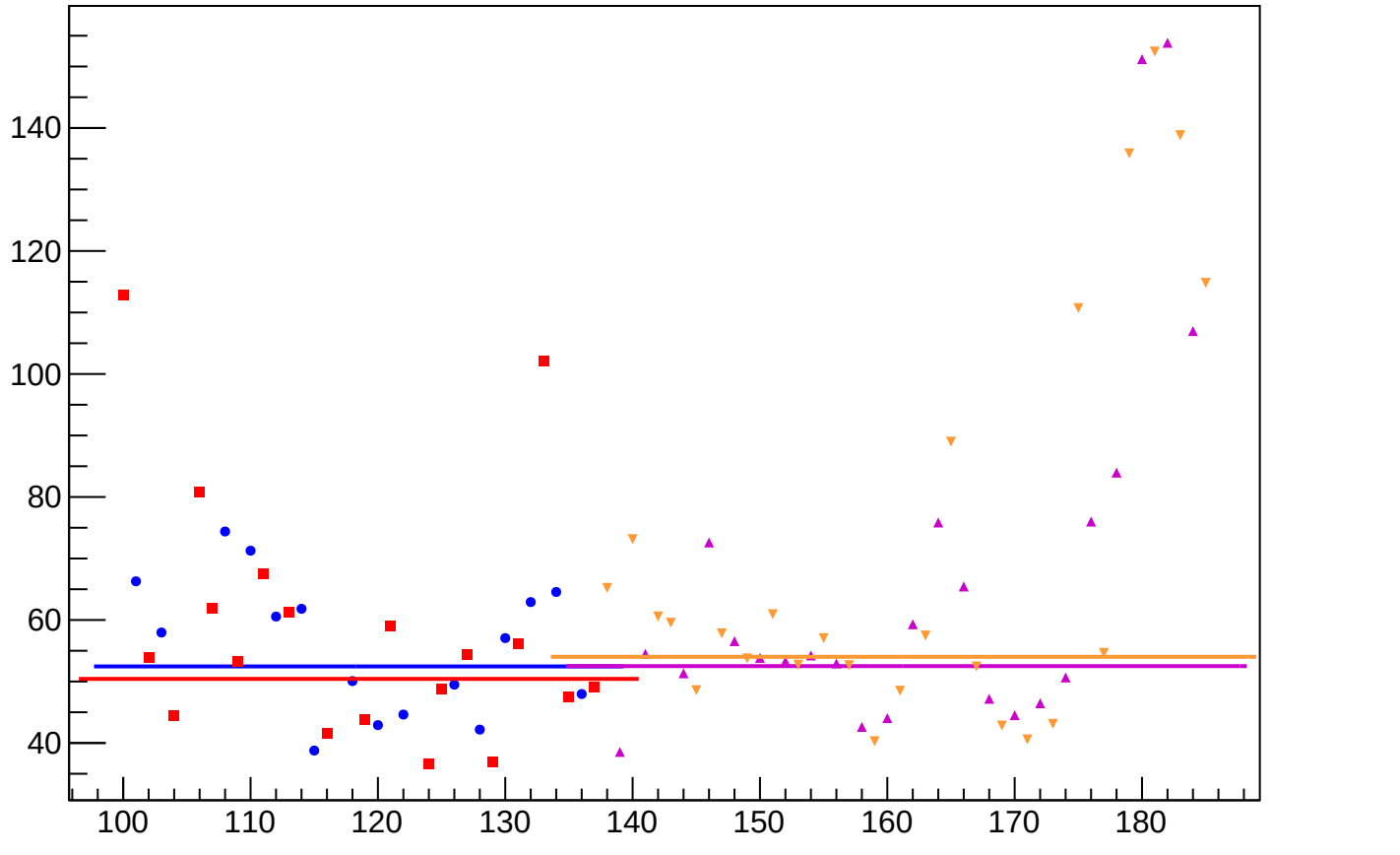
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.7/40

All: 0.002+/-0.008 χ^2/NDF: 89.8/82

- 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: 54.014+/-0.009 χ^2/NDF:3227550.5/24

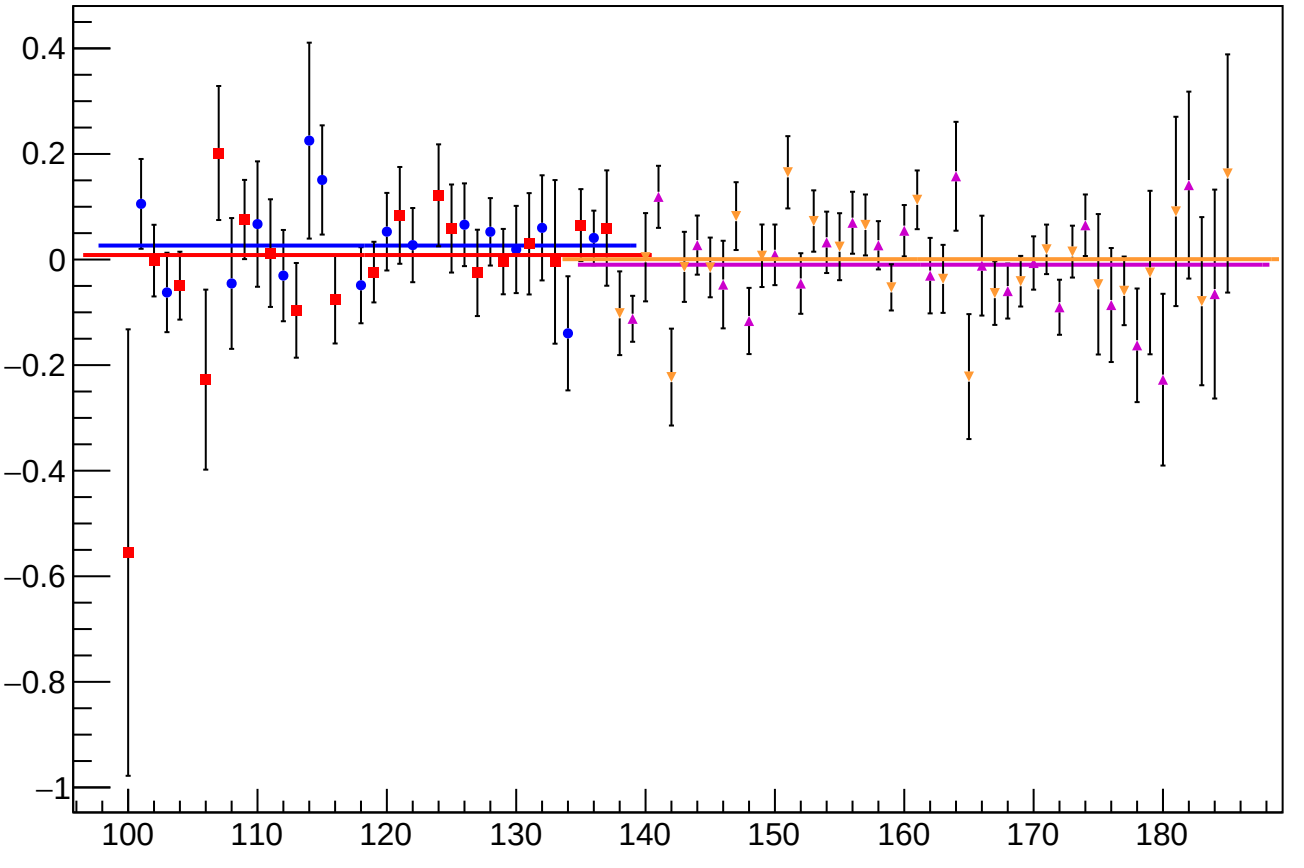
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.551+/-0.008 χ^2/NDF: 3653829.9/40

All: 52.686+/-0.006 χ^2/NDF: 6927859.5/82

- 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: 0.001+/-0.013 χ^2/NDF:31.7/24

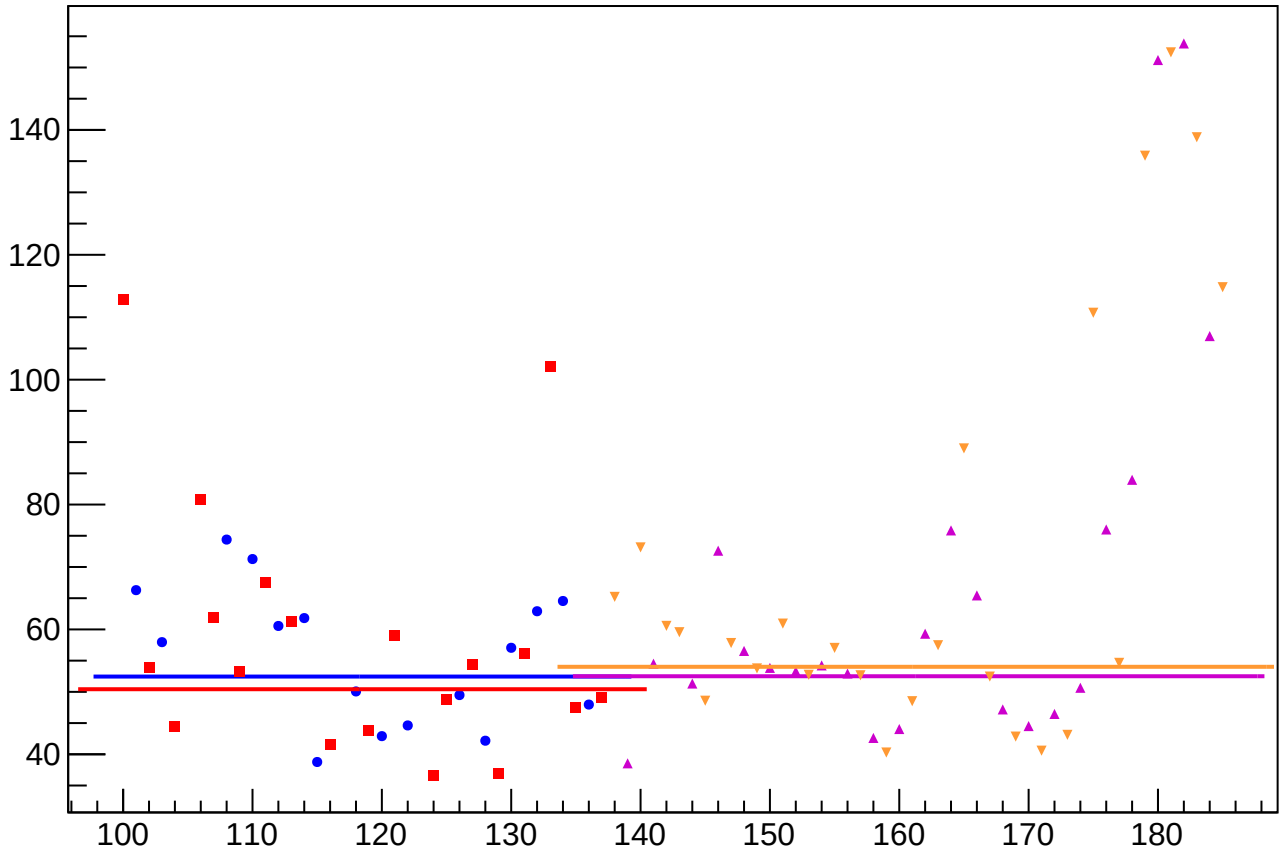
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.7/40

All: 0.002+/-0.008 χ^2/NDF: 89.8/82

- 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: 54.014+/-0.009 χ^2/NDF:3227550.5/24

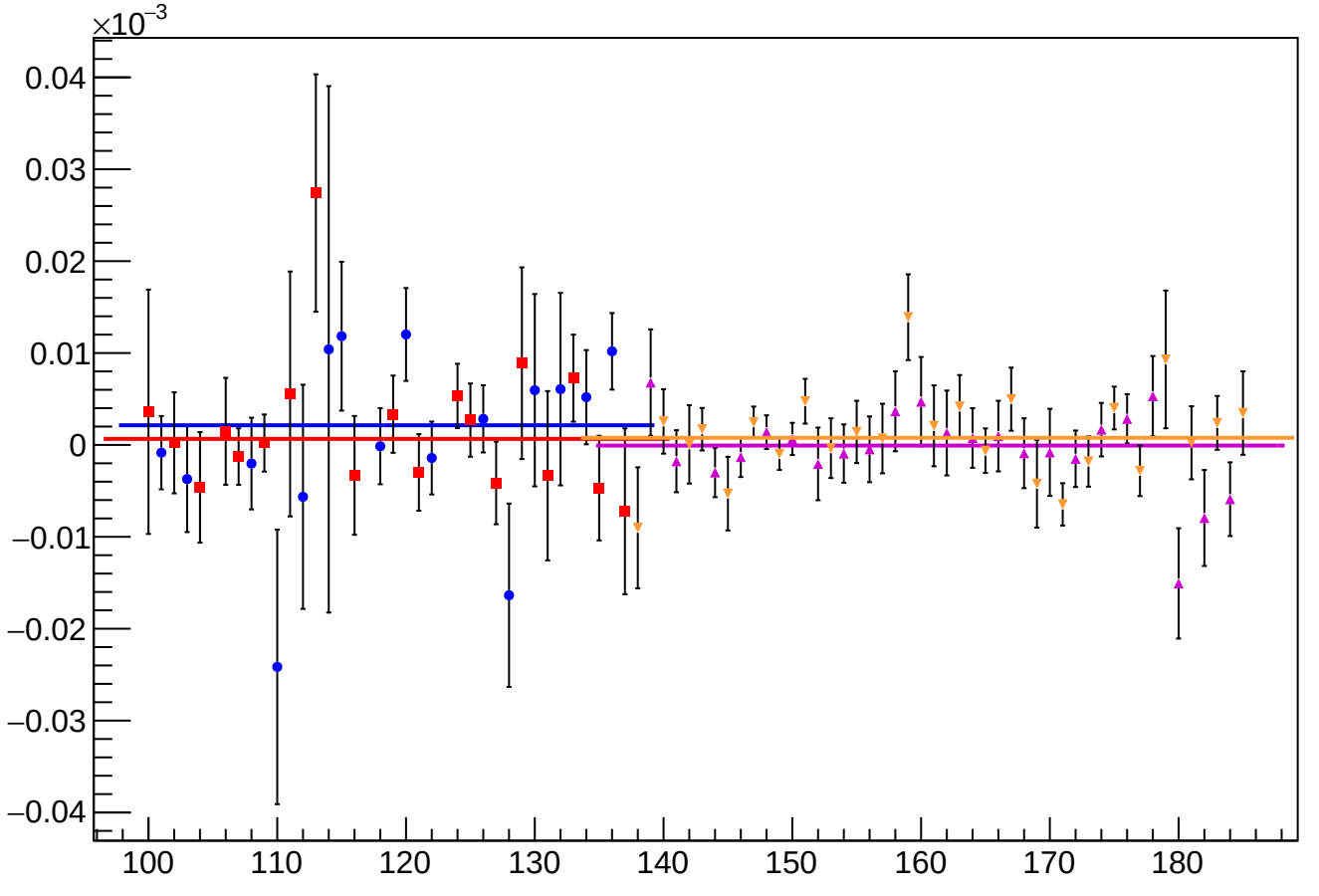
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.551+/-0.008 χ^2/NDF: 3653829.9/40

All: 52.686+/-0.006 χ^2/NDF: 6927859.5/82

- 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:38.1/24

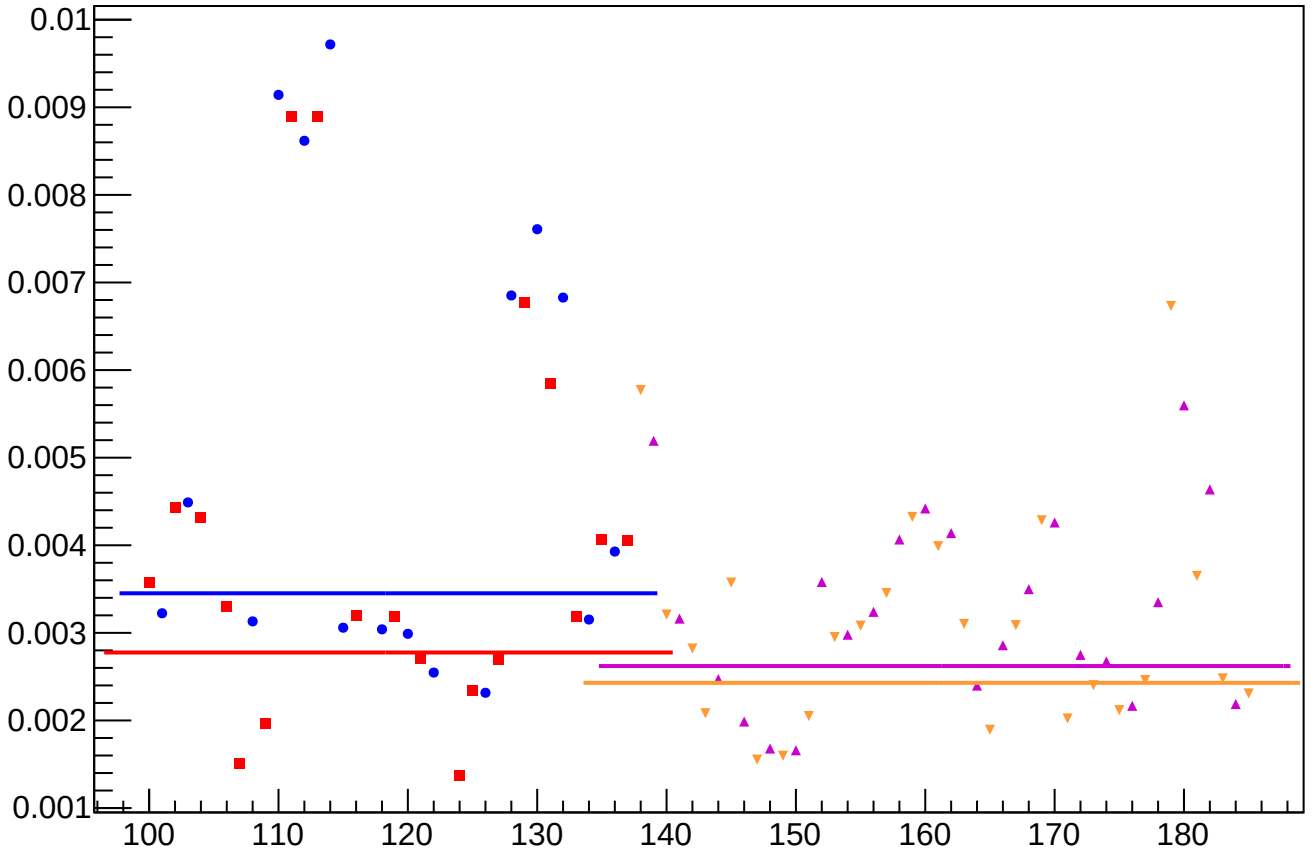
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.0/40

All: 0.000+/-0.000 χ^2/NDF: 95.5/82

- 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:4218362.5/24

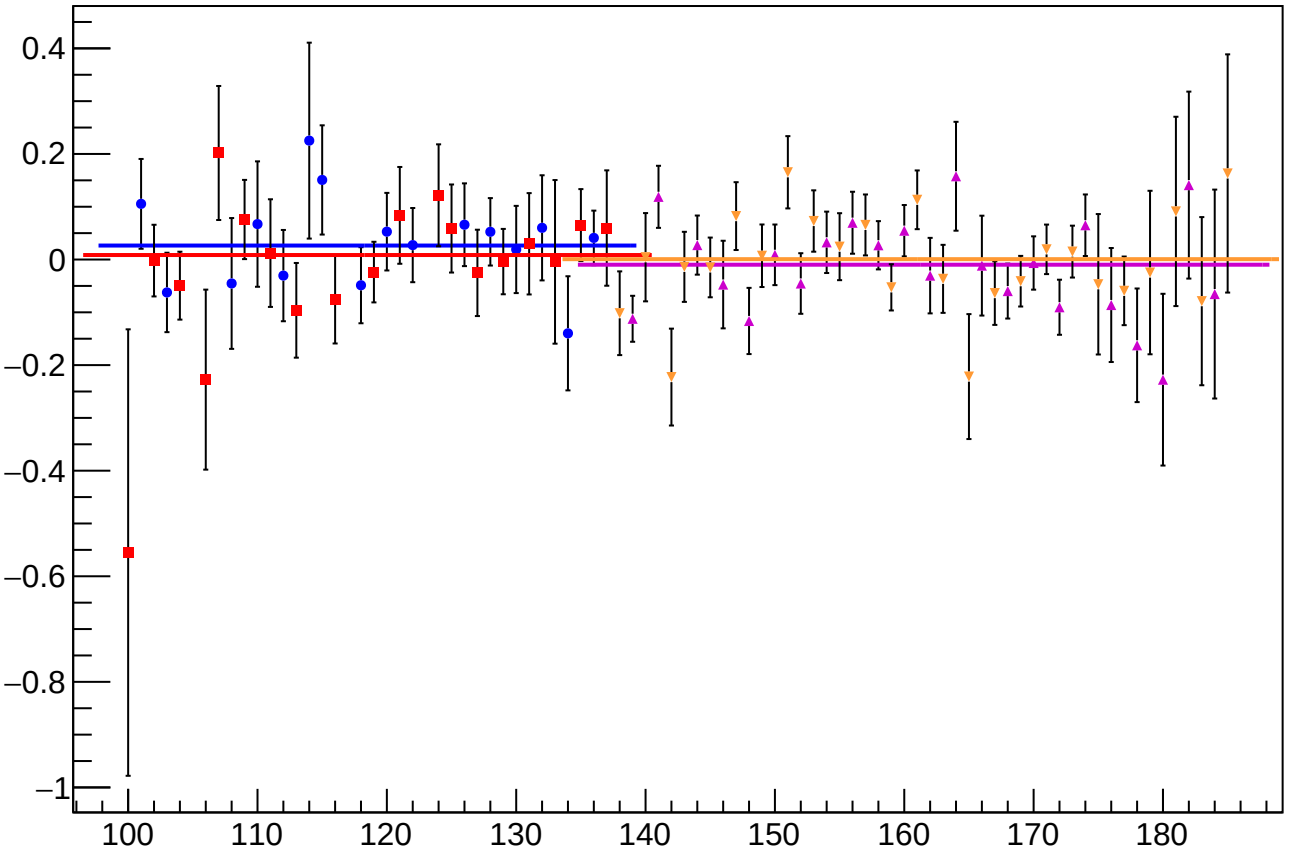
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 7089953.0/40

All: 0.003+/-0.000 χ^2/NDF: 13824447.1/82

- 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: 0.001+/-0.013 χ^2/NDF:31.7/24

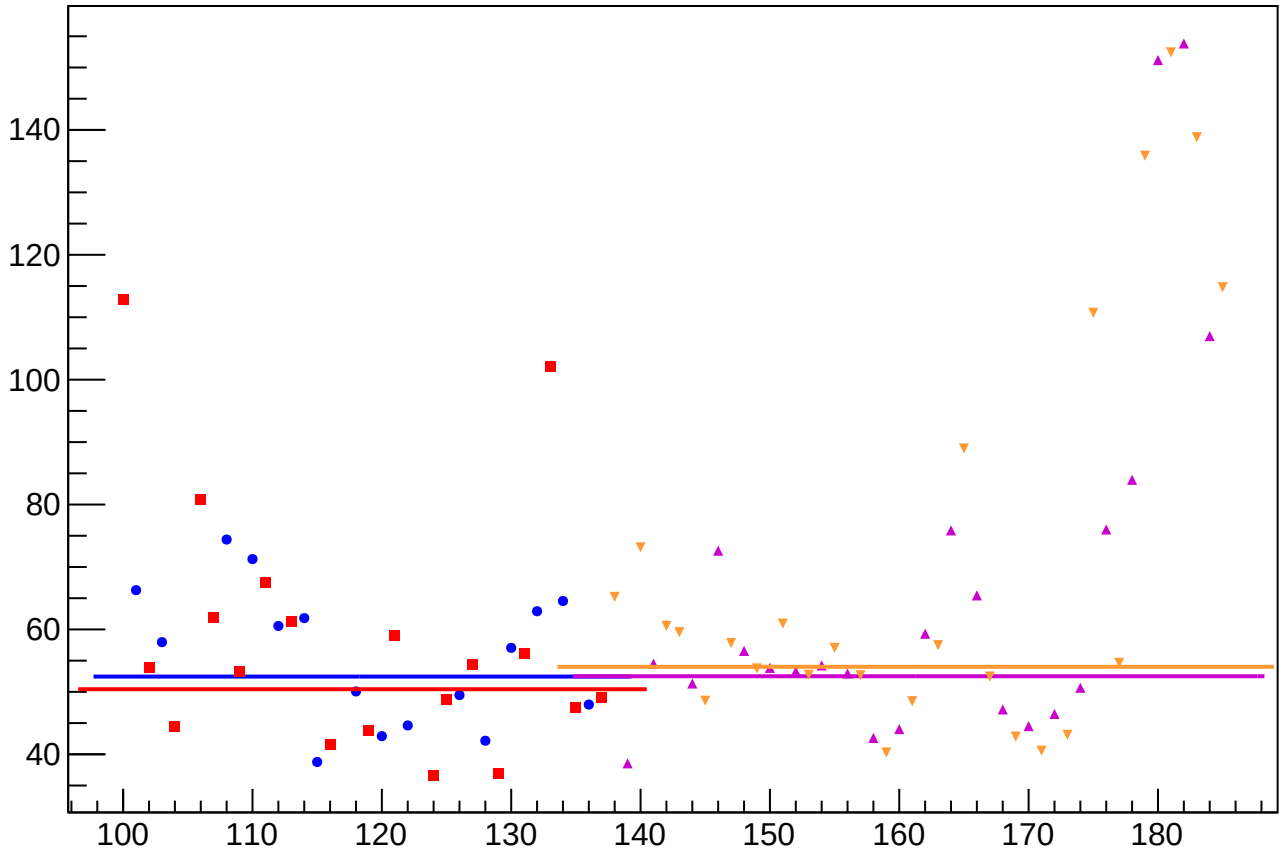
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.7/40

All: 0.002+/-0.008 χ^2/NDF: 89.8/82

- 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: 54.014+/-0.009 χ^2/NDF:3227569.4/24

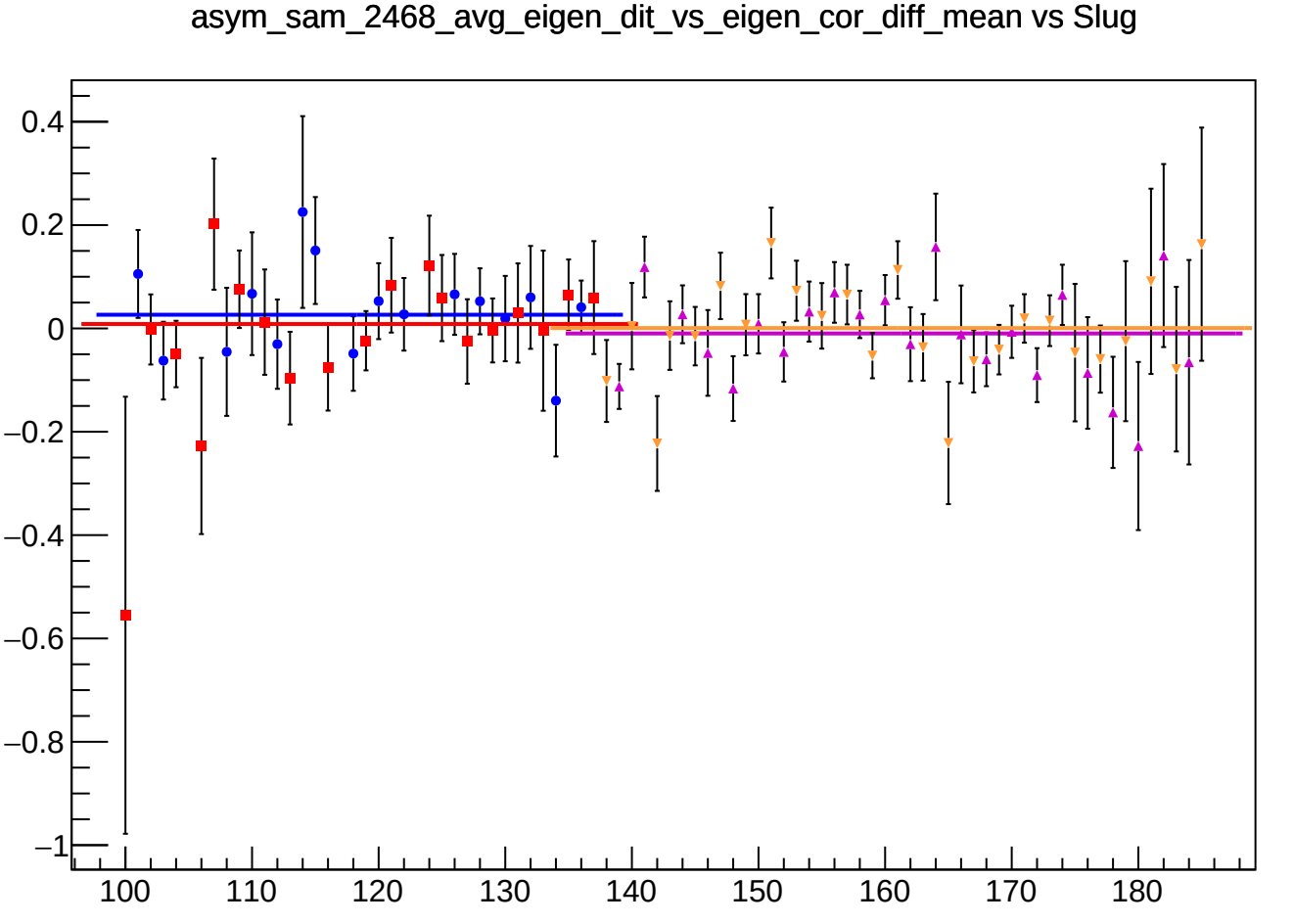
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.551+/-0.008 χ^2/NDF: 3653817.6/40

All: 52.686+/-0.006 χ^2/NDF: 6927918.7/82

- 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: 0.001+/-0.013 χ^2/NDF:31.7/24

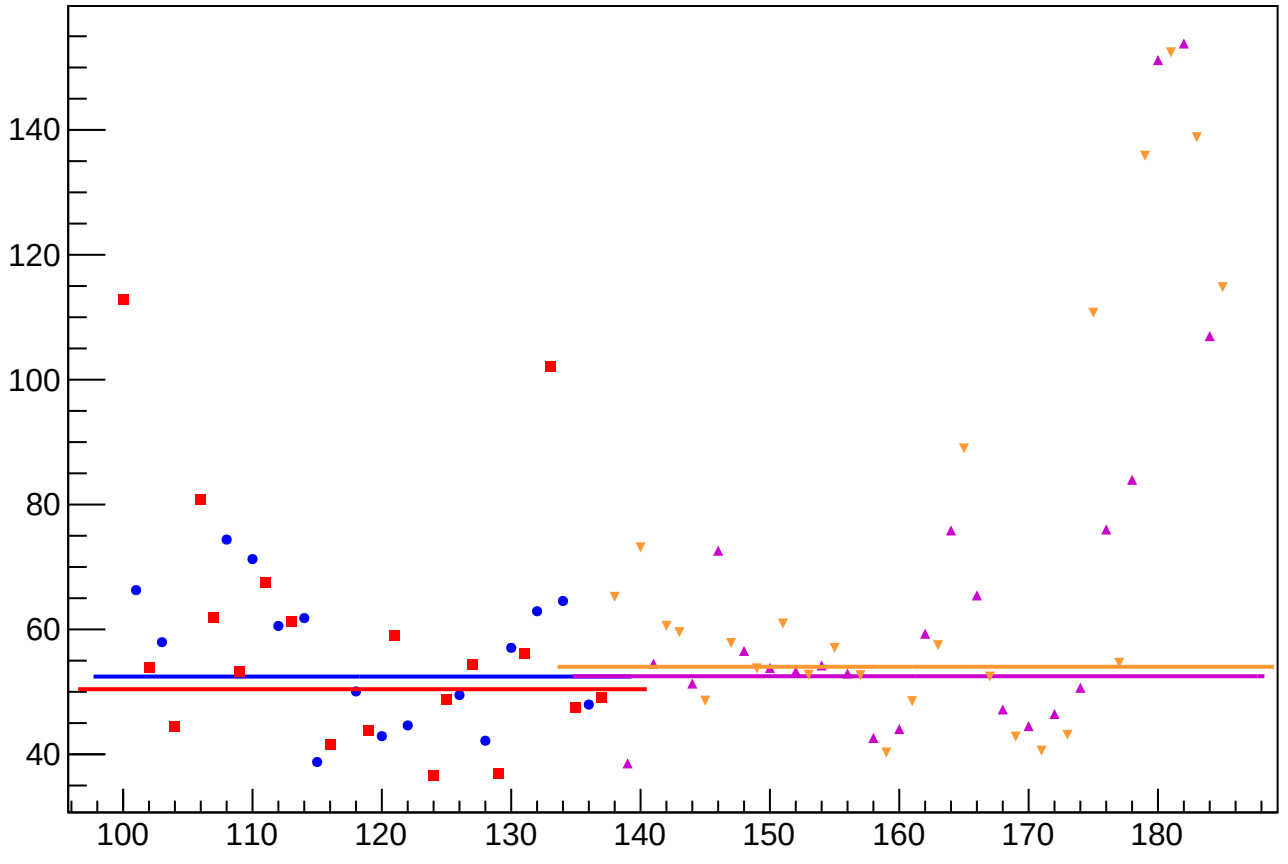
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.008+/-0.011 χ^2/NDF: 42.7/40

All: 0.002+/-0.008 χ^2/NDF: 89.8/82

- 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: 54.014+/-0.009 χ^2/NDF:3227569.4/24

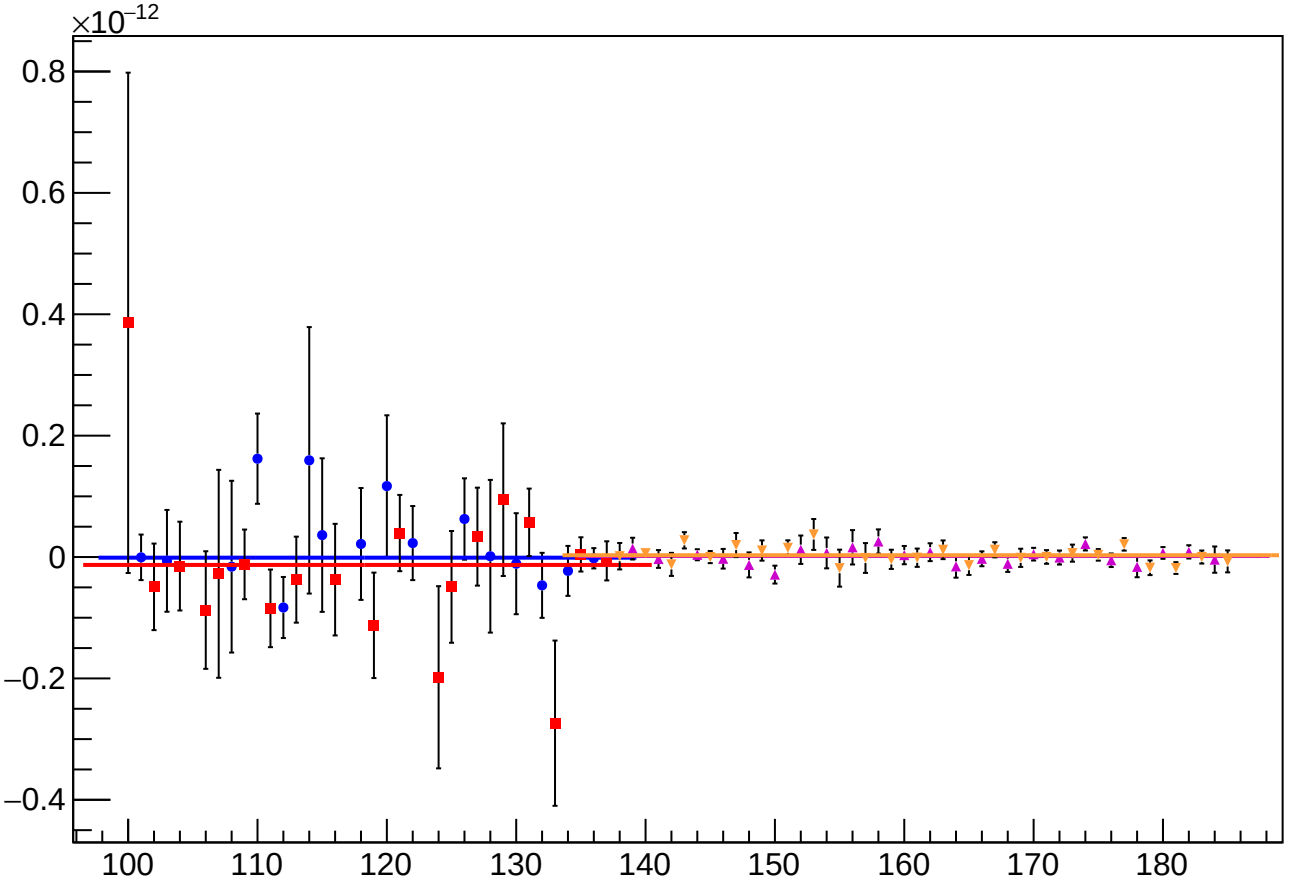
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.551+/-0.008 χ^2/NDF: 3653817.6/40

All: 52.686+/-0.006 χ^2/NDF: 6927918.7/82

- 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:21.8/24

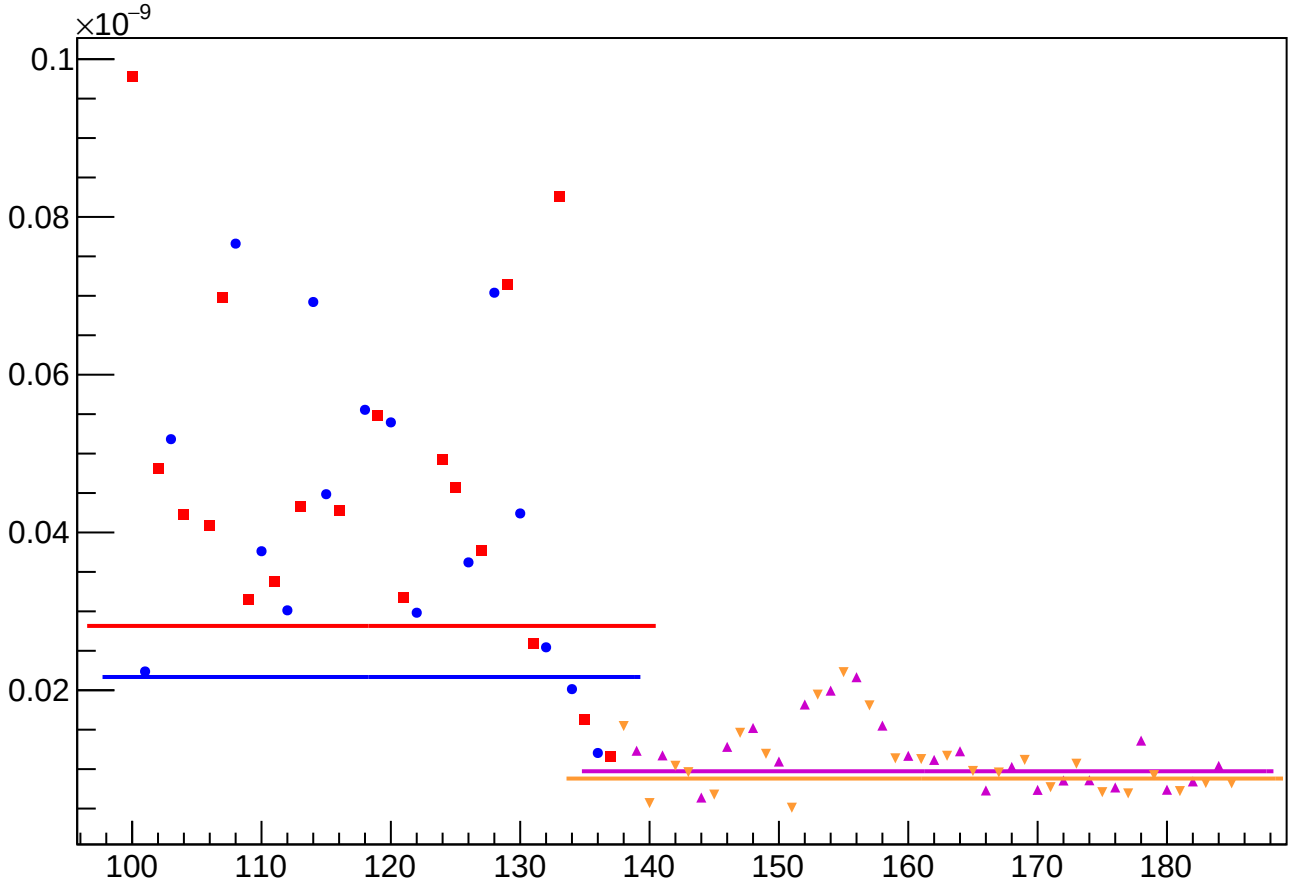
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.2/40

All: 0.000+/-0.000 χ^2/NDF: 63.3/82

- sign 0.000+/-0.000 χ^2/NDF: 29.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

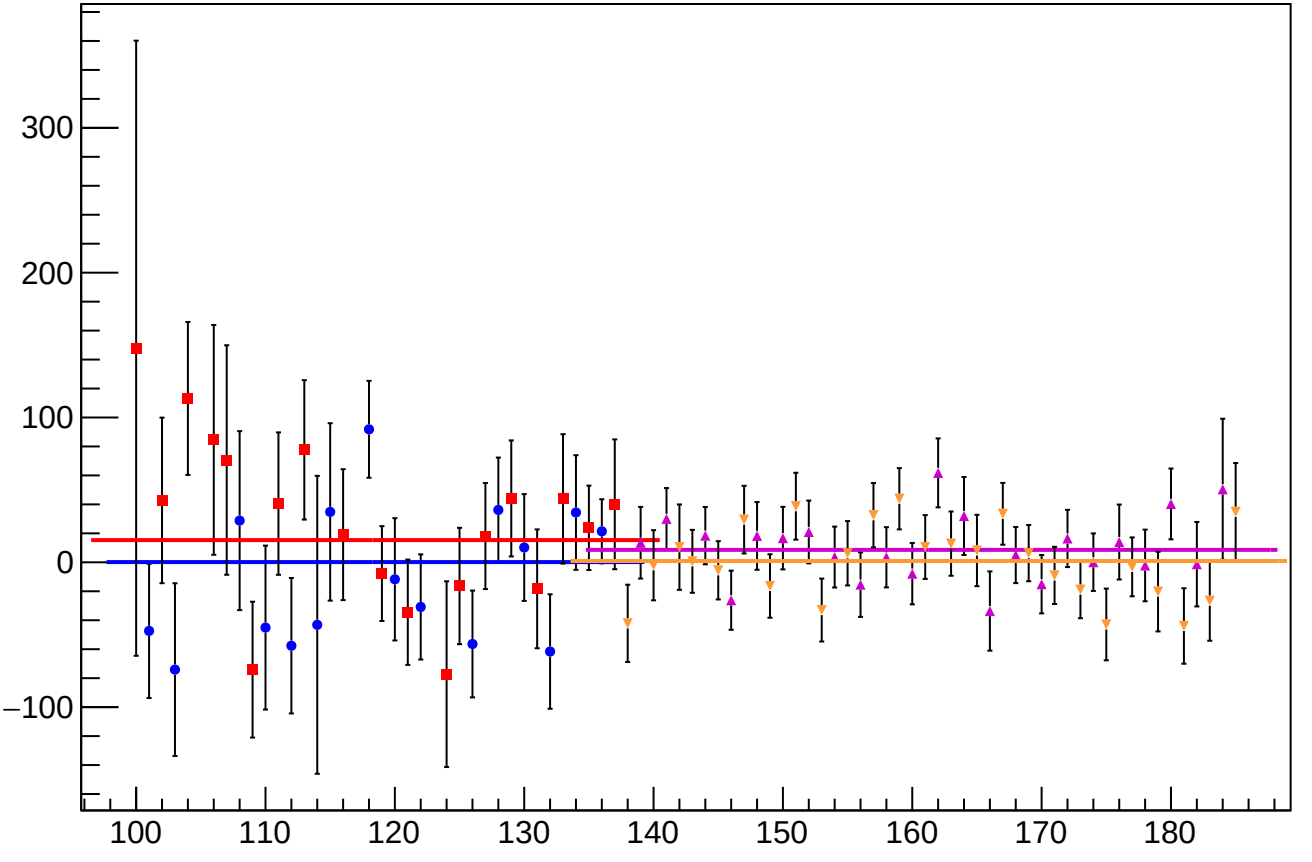
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7241084.6/40

All: 0.000+/-0.000 χ^2/NDF: 15190899.2/82

- sign 0.000+/-0.000 χ^2/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: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

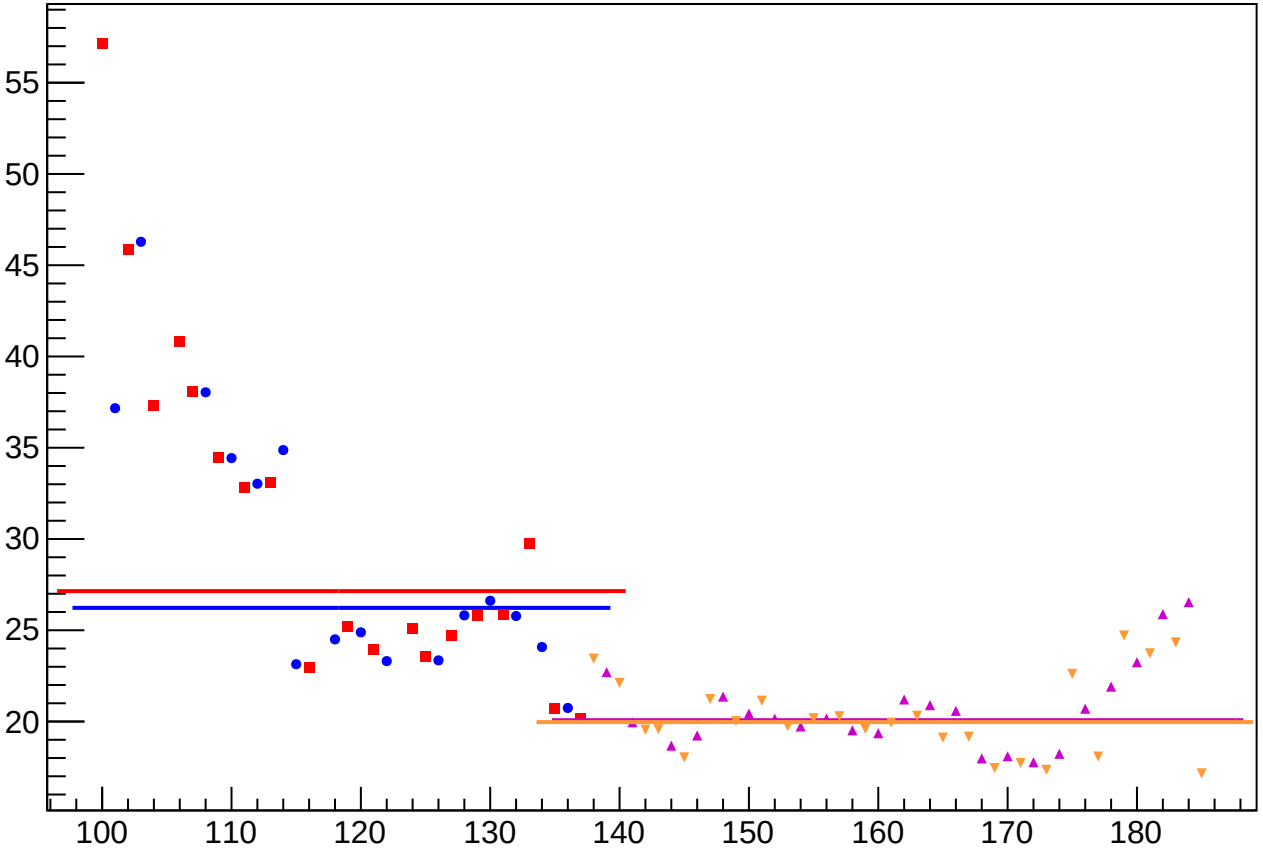
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.786+/-4.163 χ^2/NDF: 50.6/40

All: 5.145+/-2.988 χ^2/NDF: 90.5/82

- 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: 19.969+/-0.003 χ^2/NDF:386763.9/24

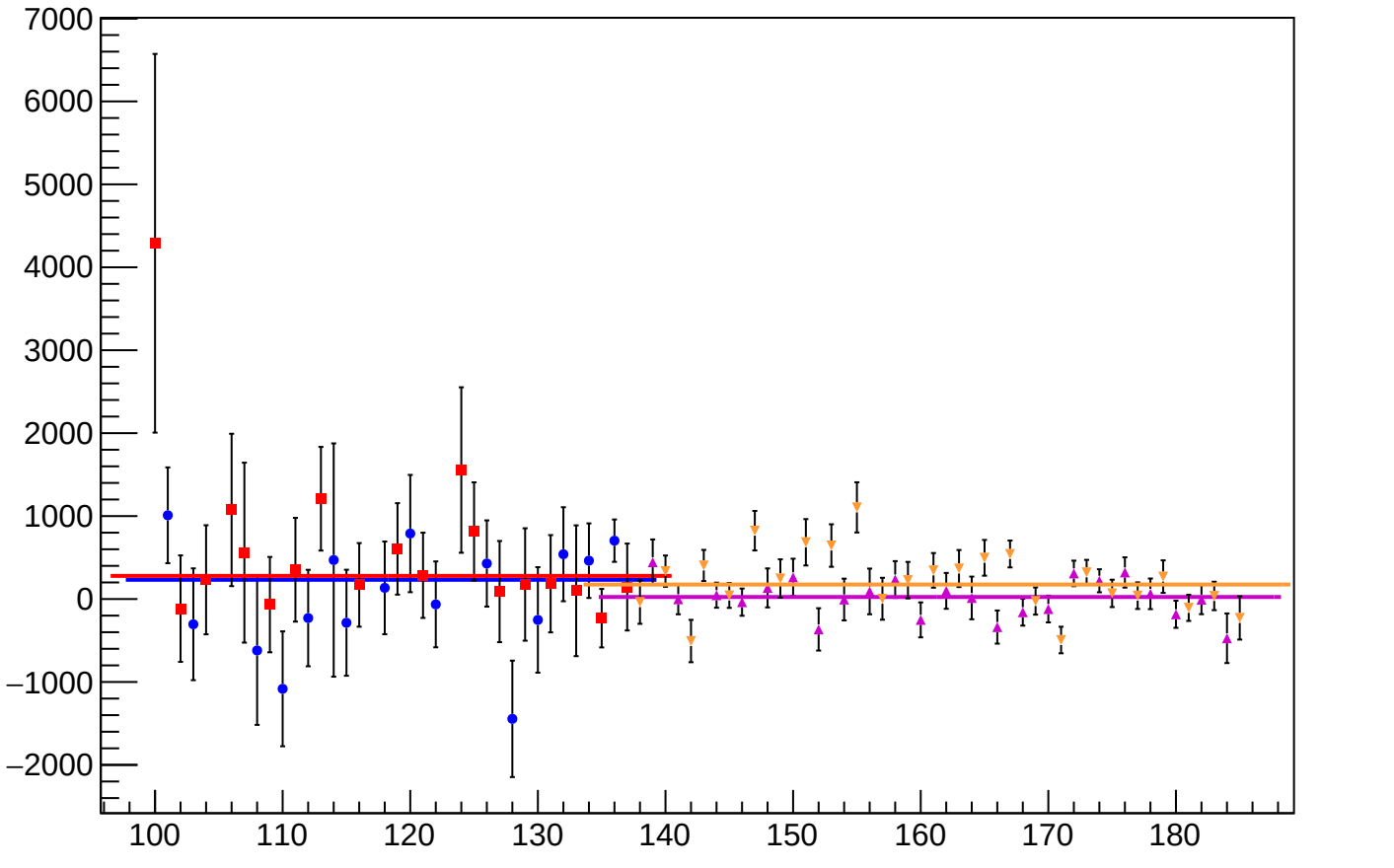
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.043+/-0.003 χ^2/NDF: 1705529.0/40

All: 21.171+/-0.002 χ^2/NDF: 3549944.2/82

- 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: 174.693+/-39.049 χ^2/NDF:71.2/24

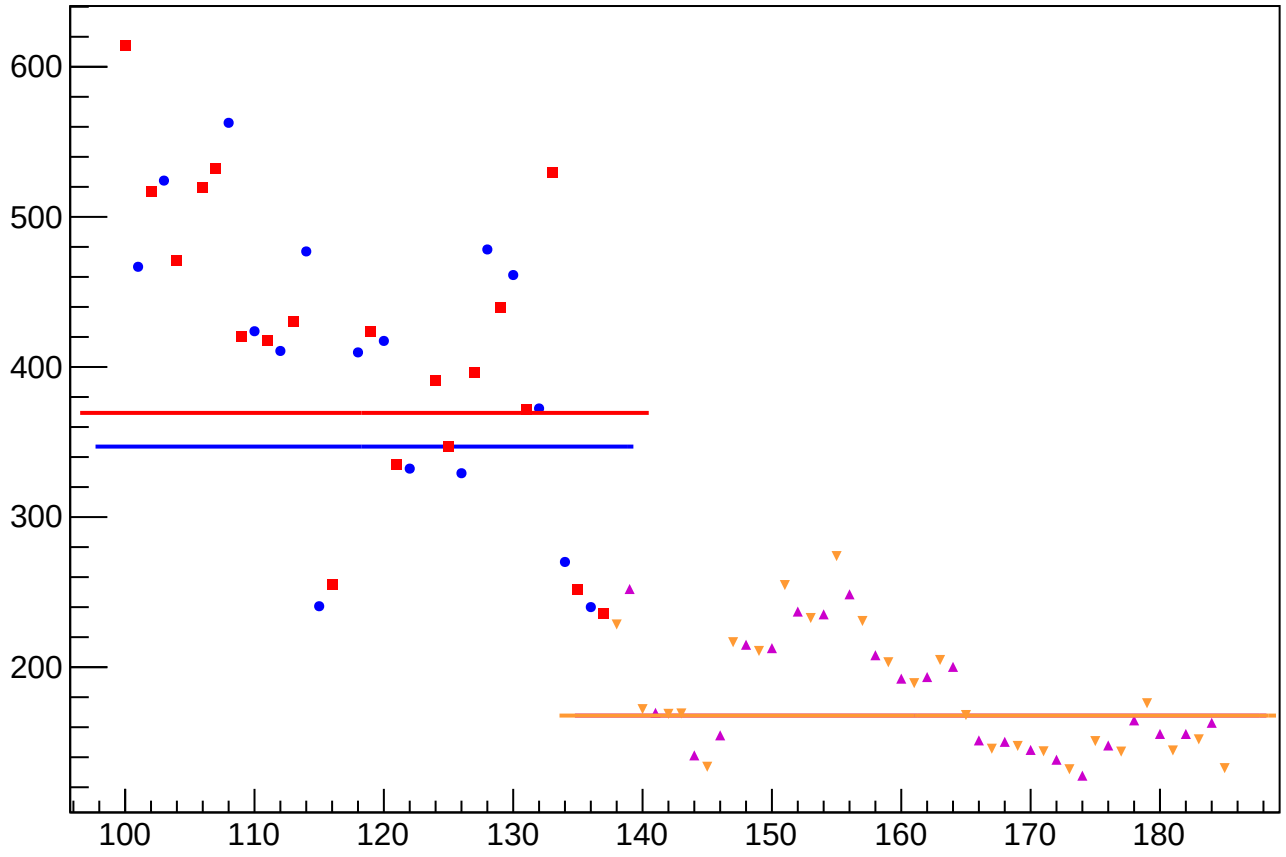
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 179.132+/-37.509 χ^2/NDF: 91.0/40

All: 113.302+/-26.874 χ^2/NDF: 139.4/82

- 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: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

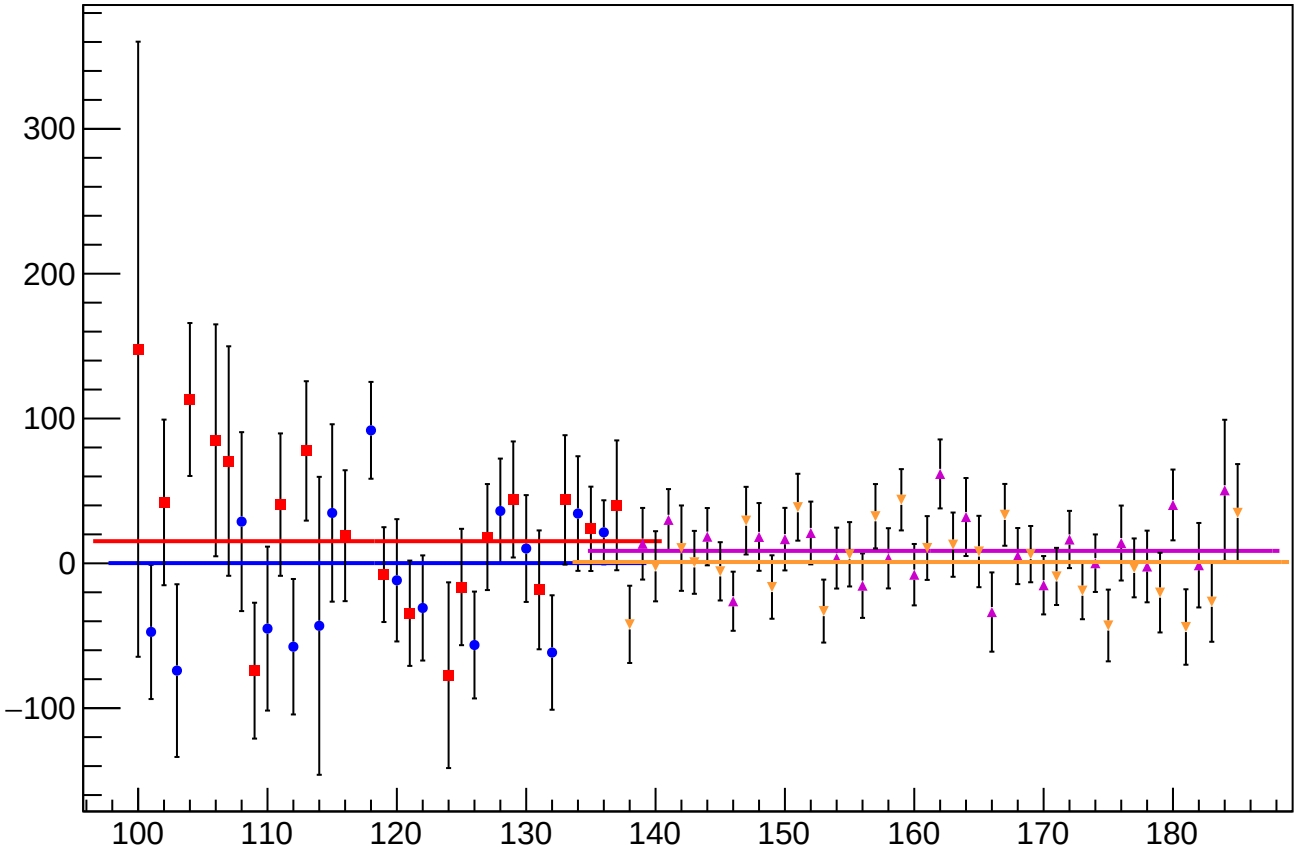
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 181.615+/-0.027 χ^2/NDF: 5894488.0/40

All: 182.301+/-0.019 χ^2/NDF: 12055155.1/82

- 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: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

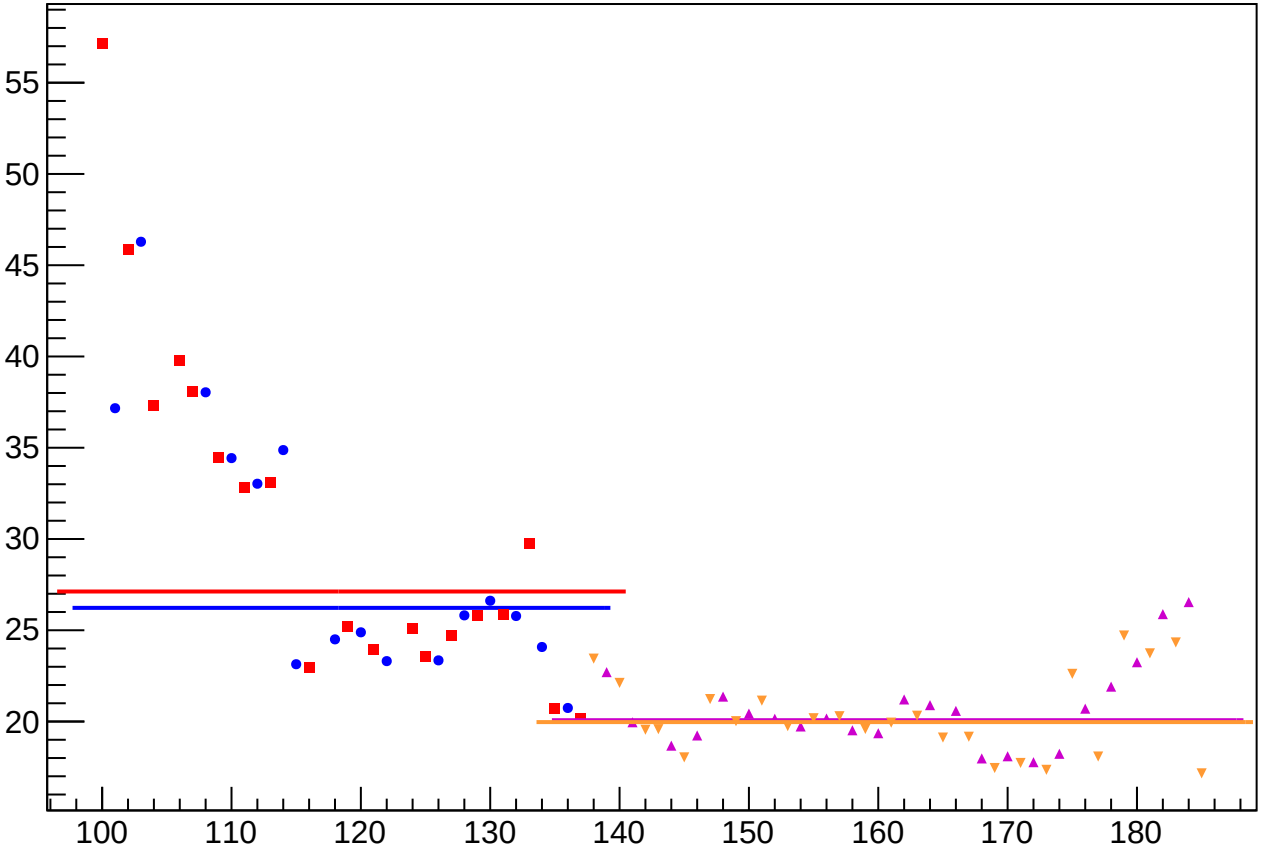
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.785+/-4.163 χ^2/NDF: 50.6/40

All: 5.141+/-2.988 χ^2/NDF: 90.5/82

- 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: 19.969+/-0.003 χ^2/NDF:386763.9/24

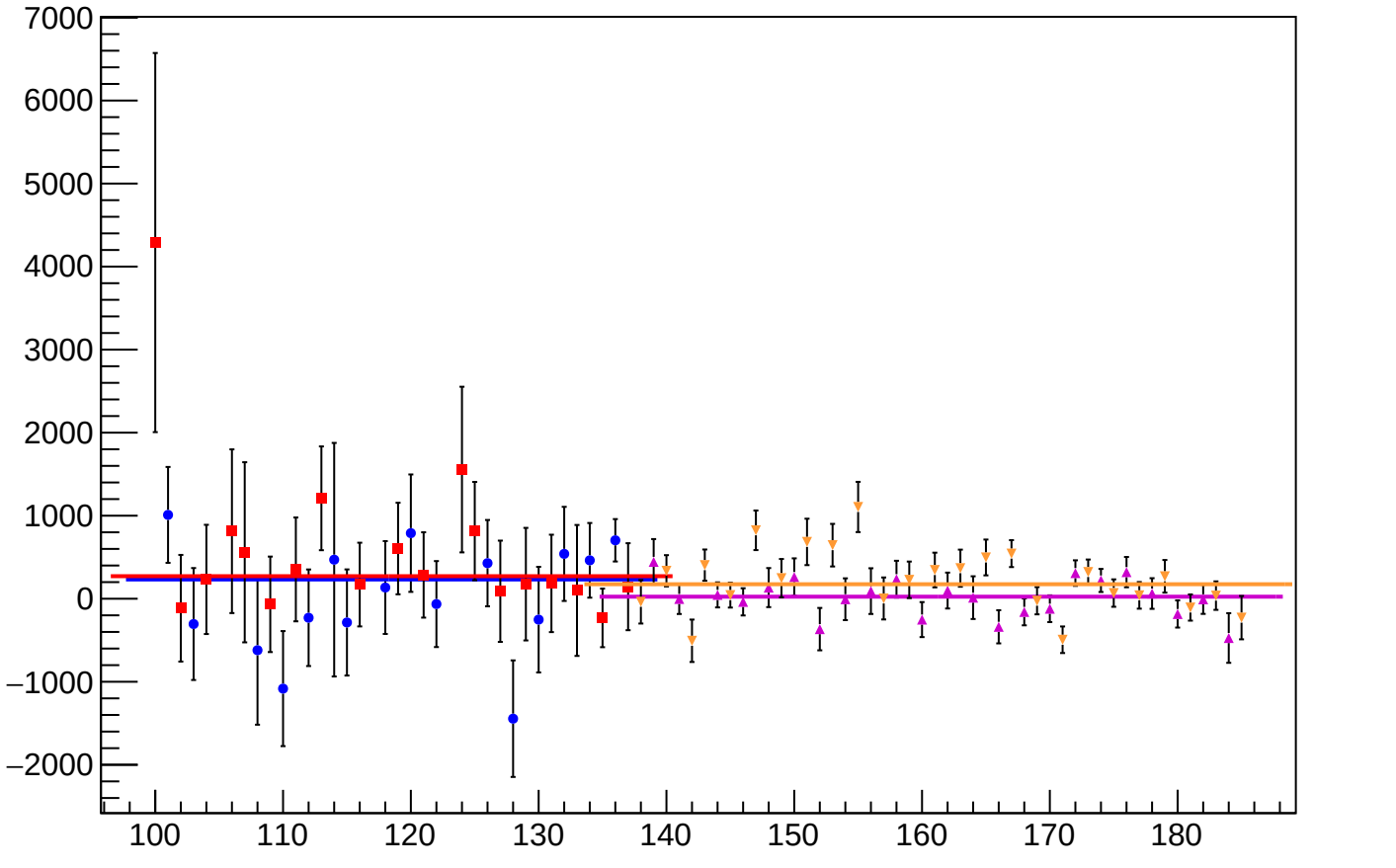
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.043+/-0.003 χ^2/NDF: 1705532.3/40

All: 21.169+/-0.002 χ^2/NDF: 3535020.3/82

- 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: 174.691+/-39.049 χ^2/NDF:71.2/24

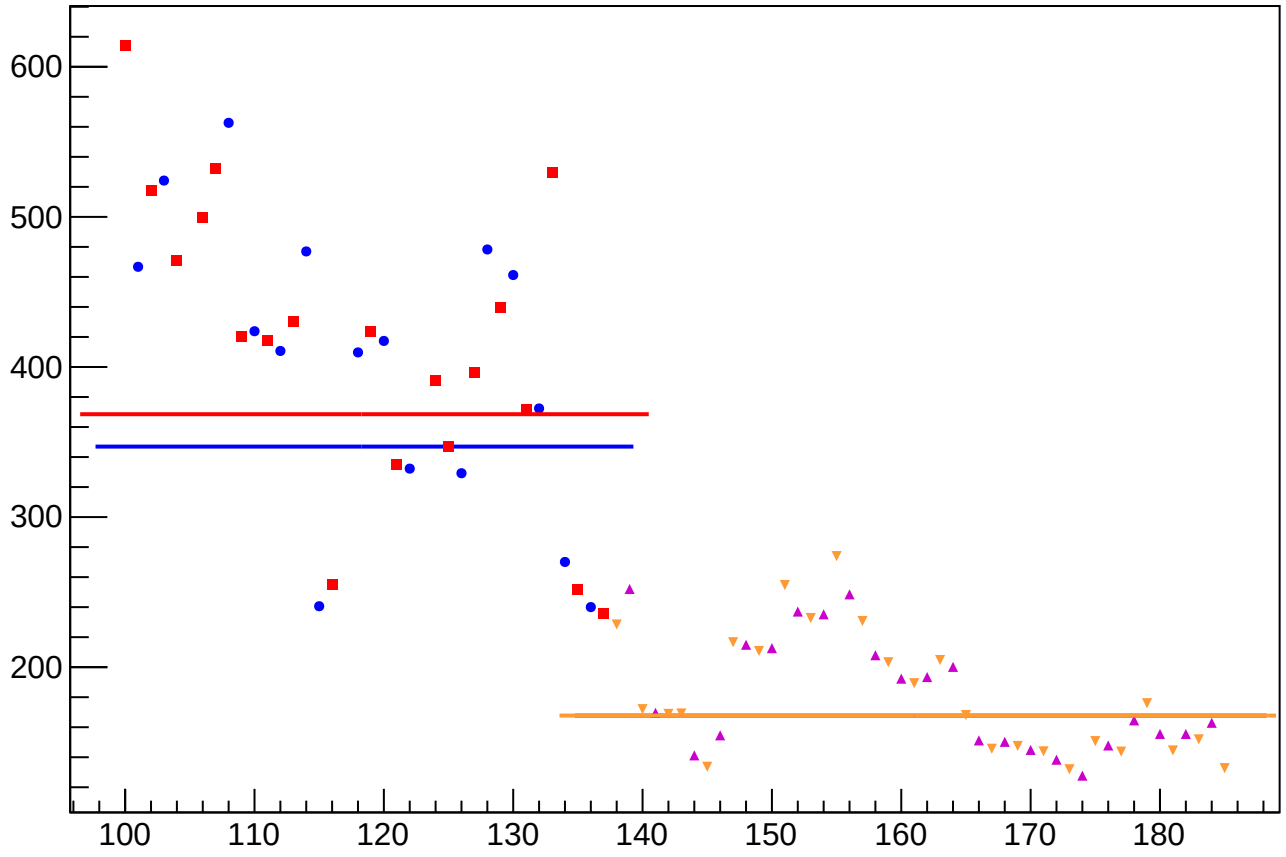
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 179.130+/-37.509 χ^2/NDF: 91.0/40

All: 113.002+/-26.875 χ^2/NDF: 138.8/82

- 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: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

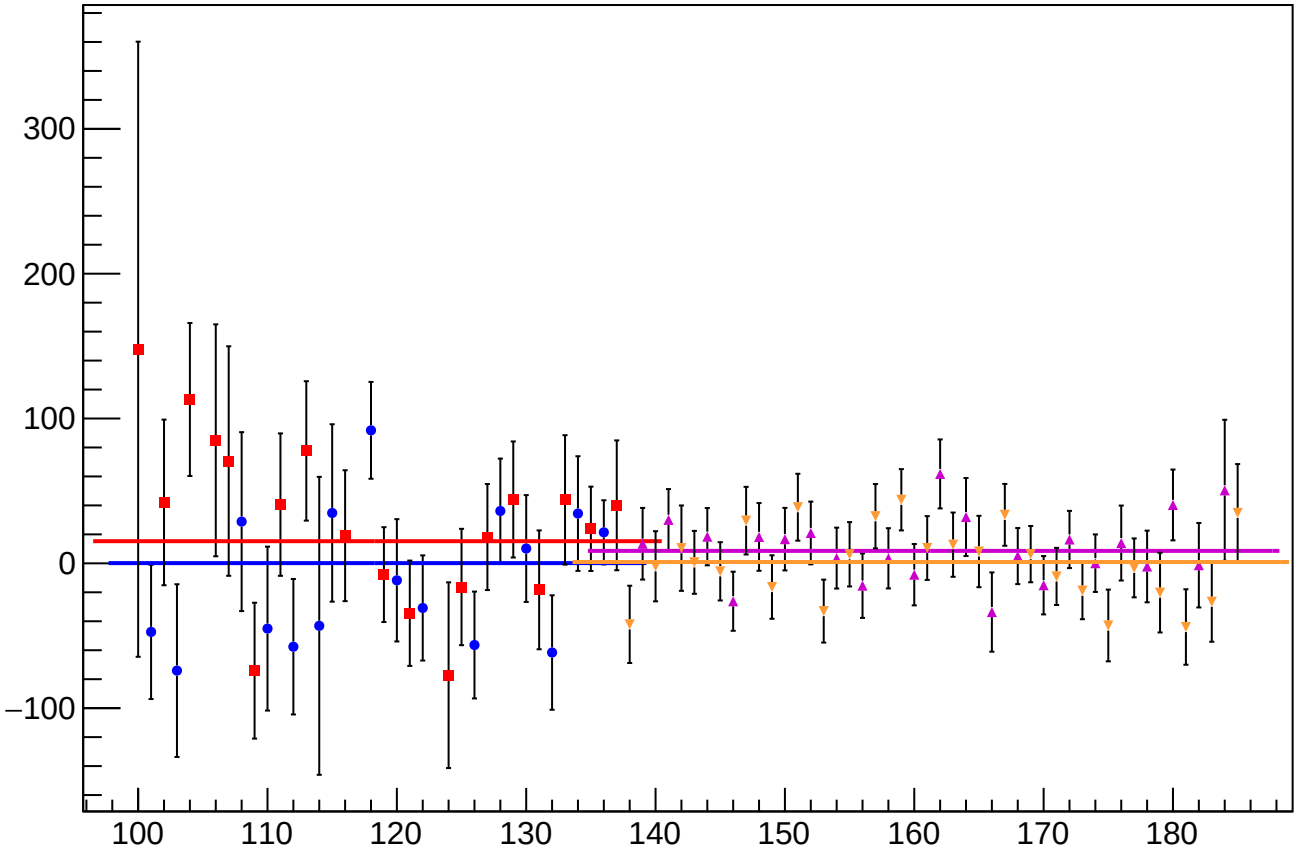
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 181.615+/-0.027 χ^2/NDF: 5894510.3/40

All: 182.248+/-0.019 χ^2/NDF: 11992499.5/82

- sign 182.915+/-0.027 χ^2/NDF: 6096820.3/41

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

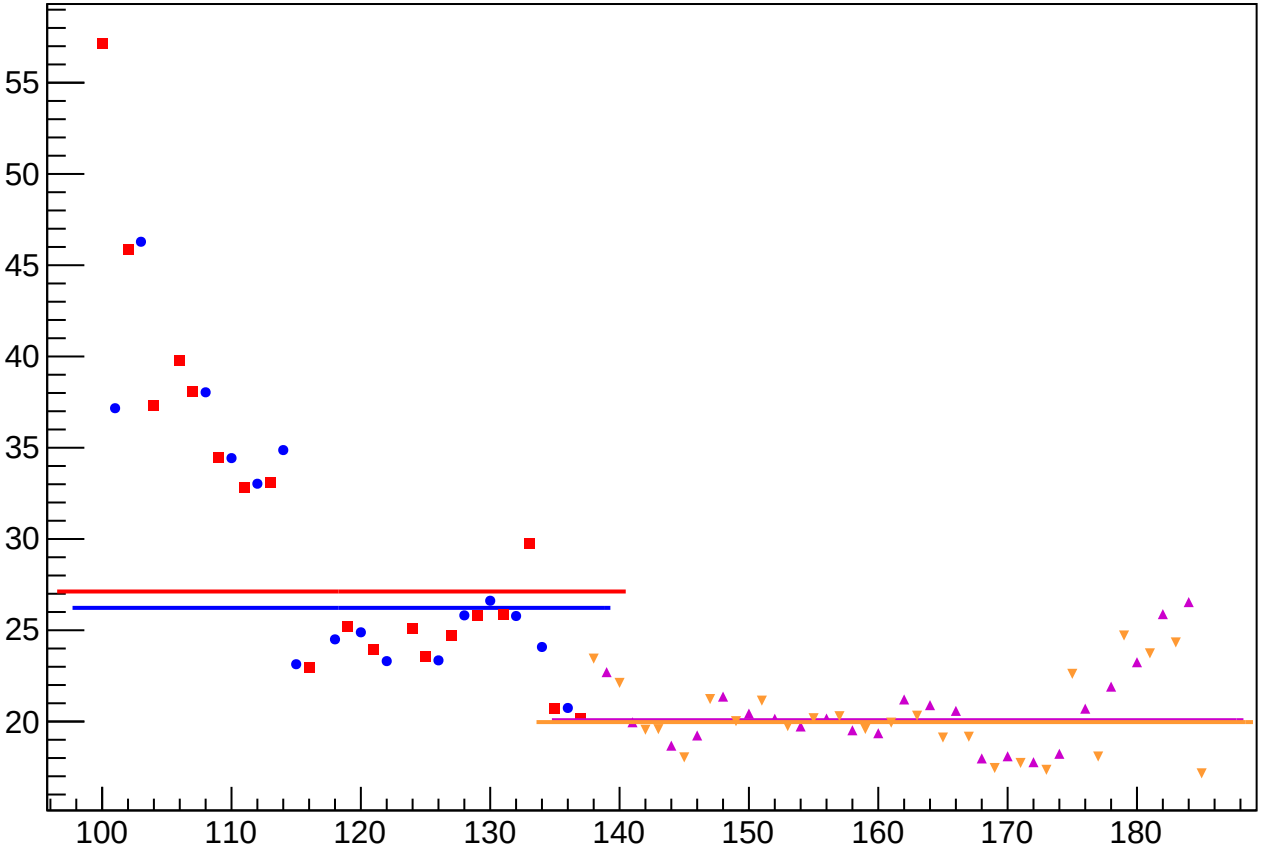
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.785+/-4.163 χ^2/NDF: 50.6/40

All: 5.141+/-2.988 χ^2/NDF: 90.5/82

- 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: 19.969+/-0.003 χ^2/NDF:386763.9/24

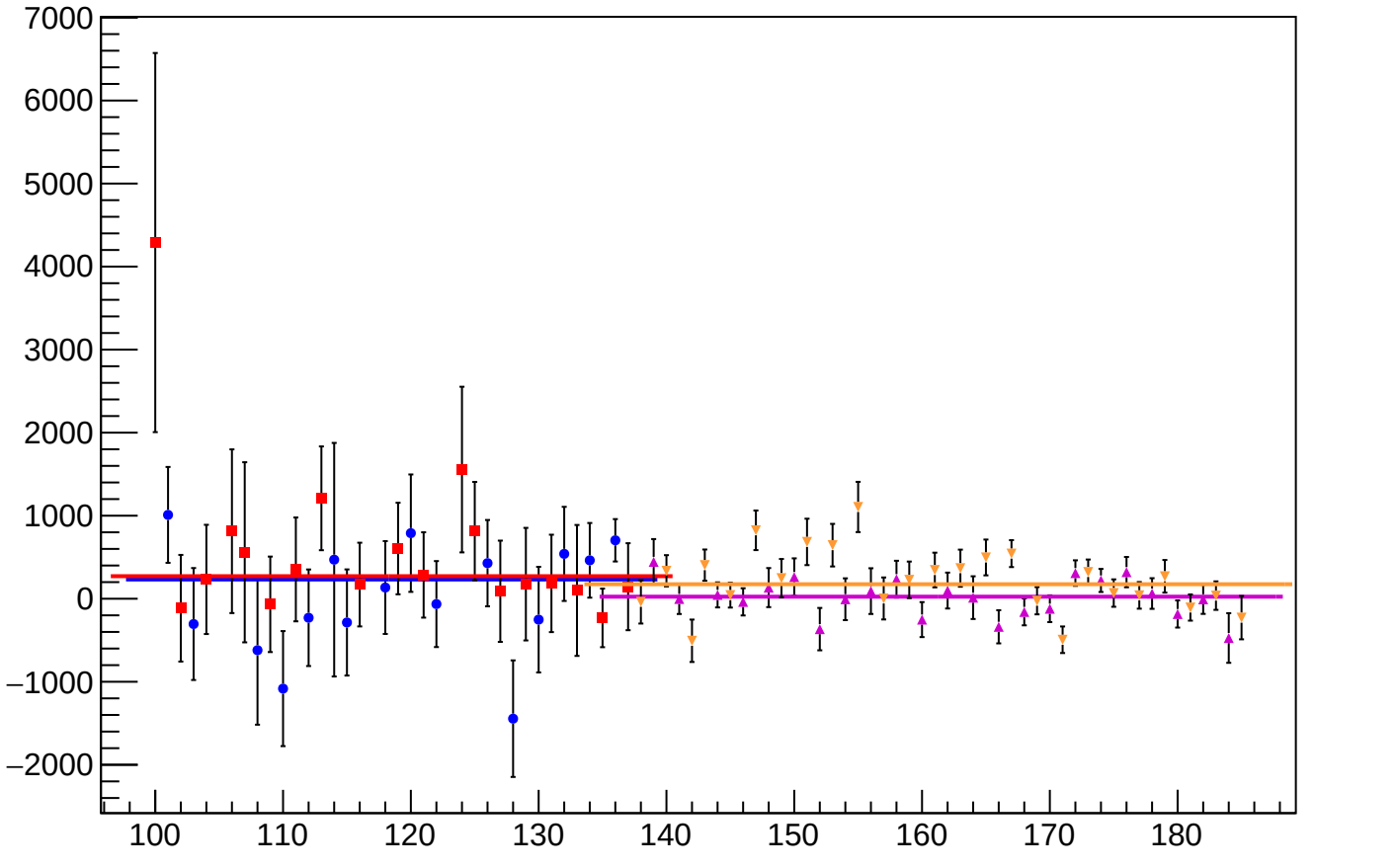
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.043+/-0.003 χ^2/NDF: 1705532.3/40

All: 21.169+/-0.002 χ^2/NDF: 3535020.3/82

- 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: 174.691+/-39.049 χ^2/NDF:71.2/24

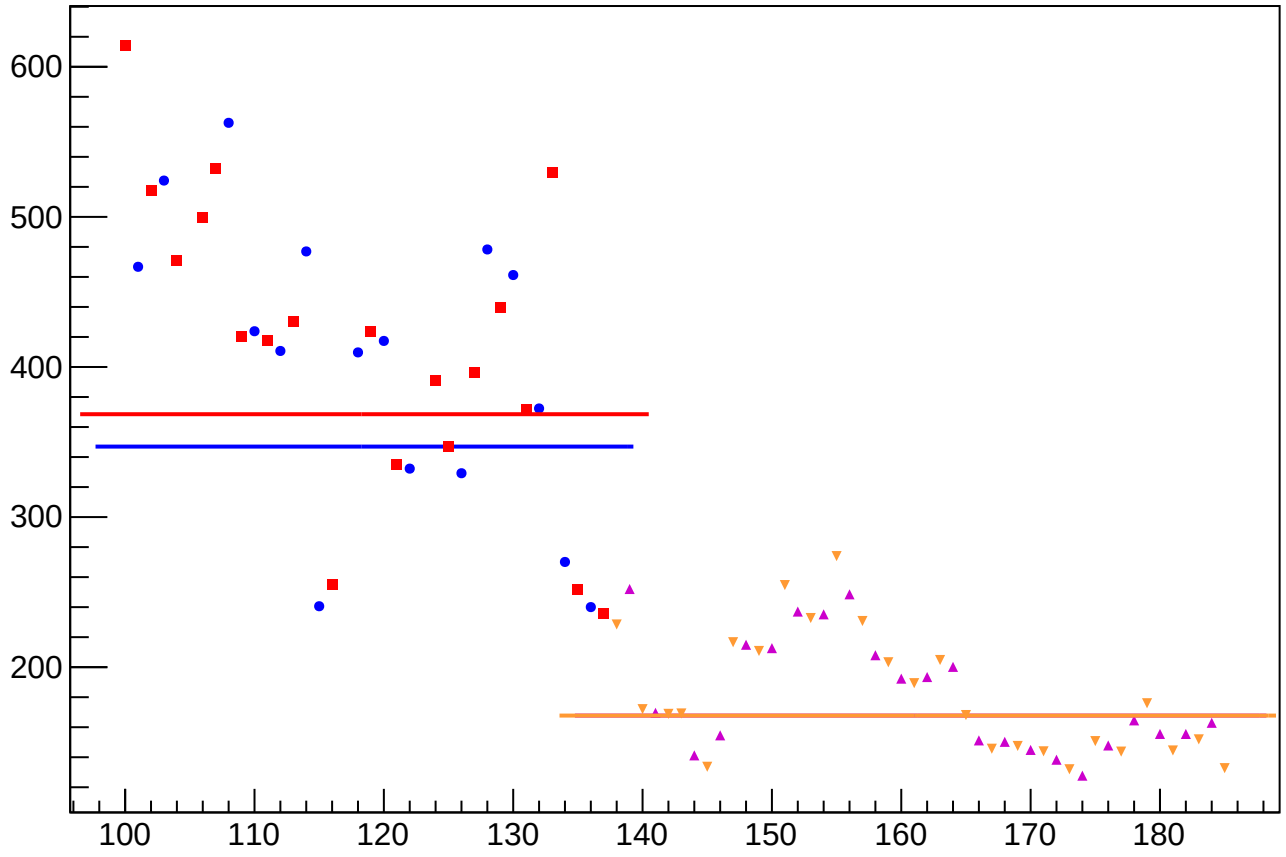
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 179.130+/-37.509 χ^2/NDF: 91.0/40

All: 113.002+/-26.875 χ^2/NDF: 138.8/82

- 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: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

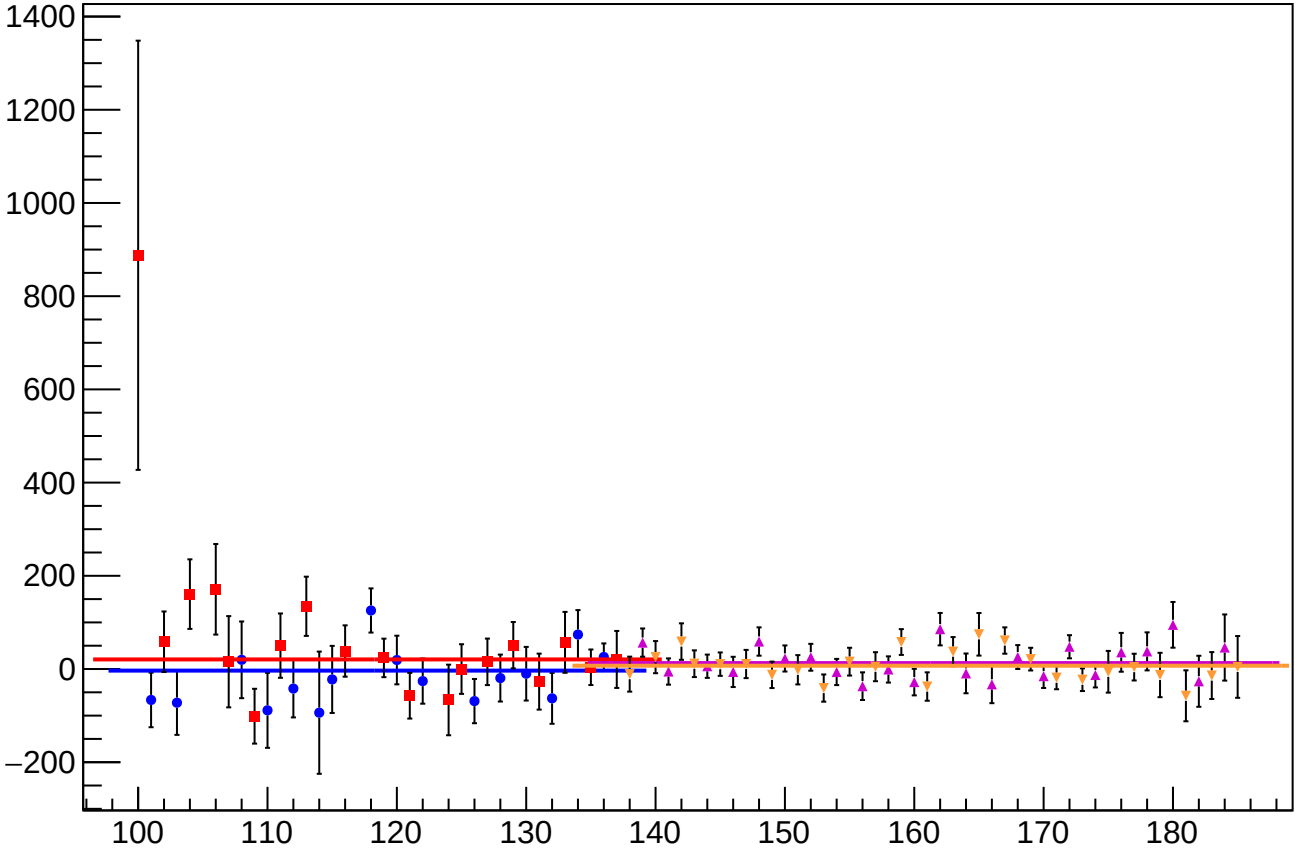
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 181.615+/-0.027 χ^2/NDF: 5894510.3/40

All: 182.248+/-0.019 χ^2/NDF: 11992499.5/82

- 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: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

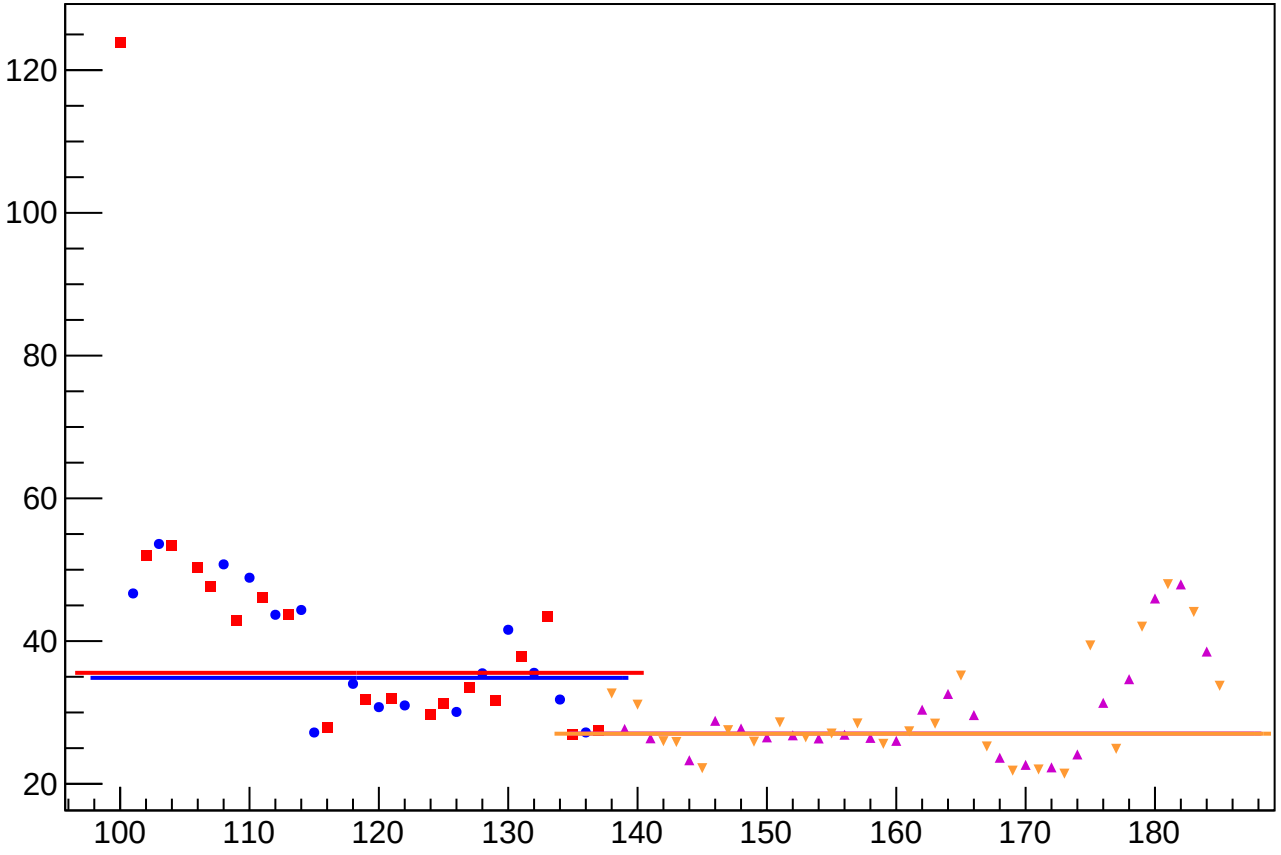
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.160+/-5.725 χ^2/NDF: 41.7/40

All: 9.566+/-4.097 χ^2/NDF: 91.9/82

- 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: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

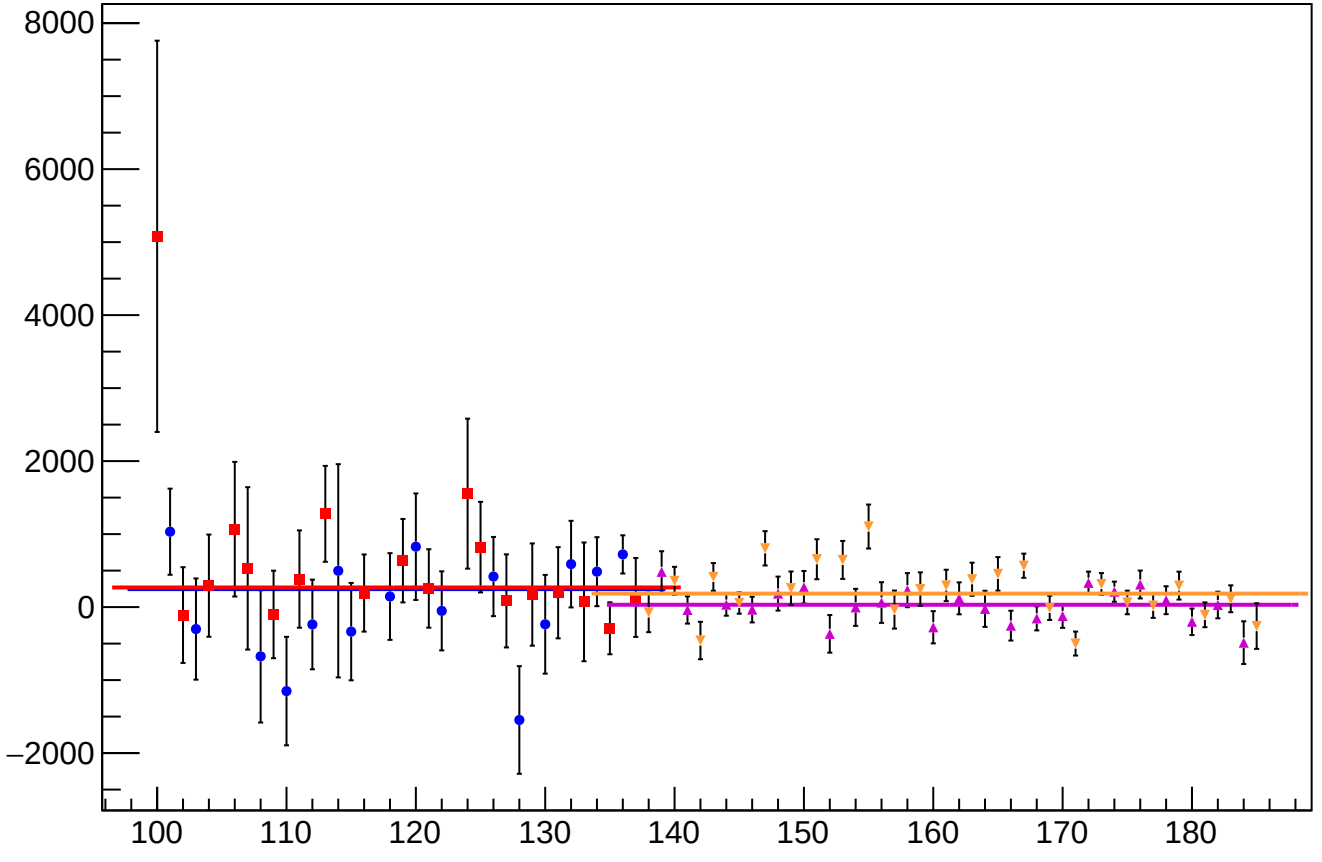
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 28.456+/-0.004 χ^2/NDF: 2646533.9/40

All: 28.557+/-0.003 χ^2/NDF: 5117275.3/82

- sign 28.662+/-0.004 χ^2/NDF: 2469478.7/41

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

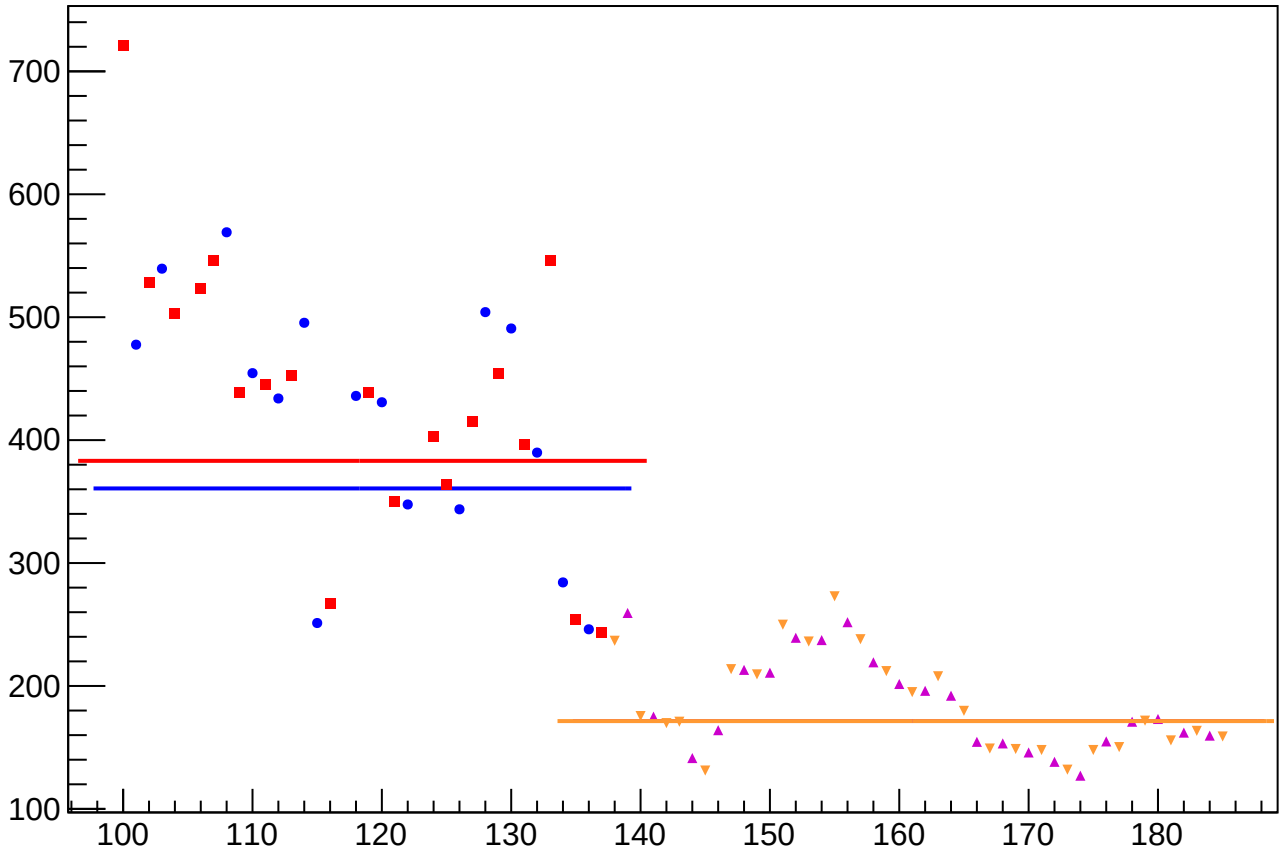
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 189.288+/-38.317 χ^2/NDF: 87.6/40

All: 121.335+/-27.482 χ^2/NDF: 135.6/82

- 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: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

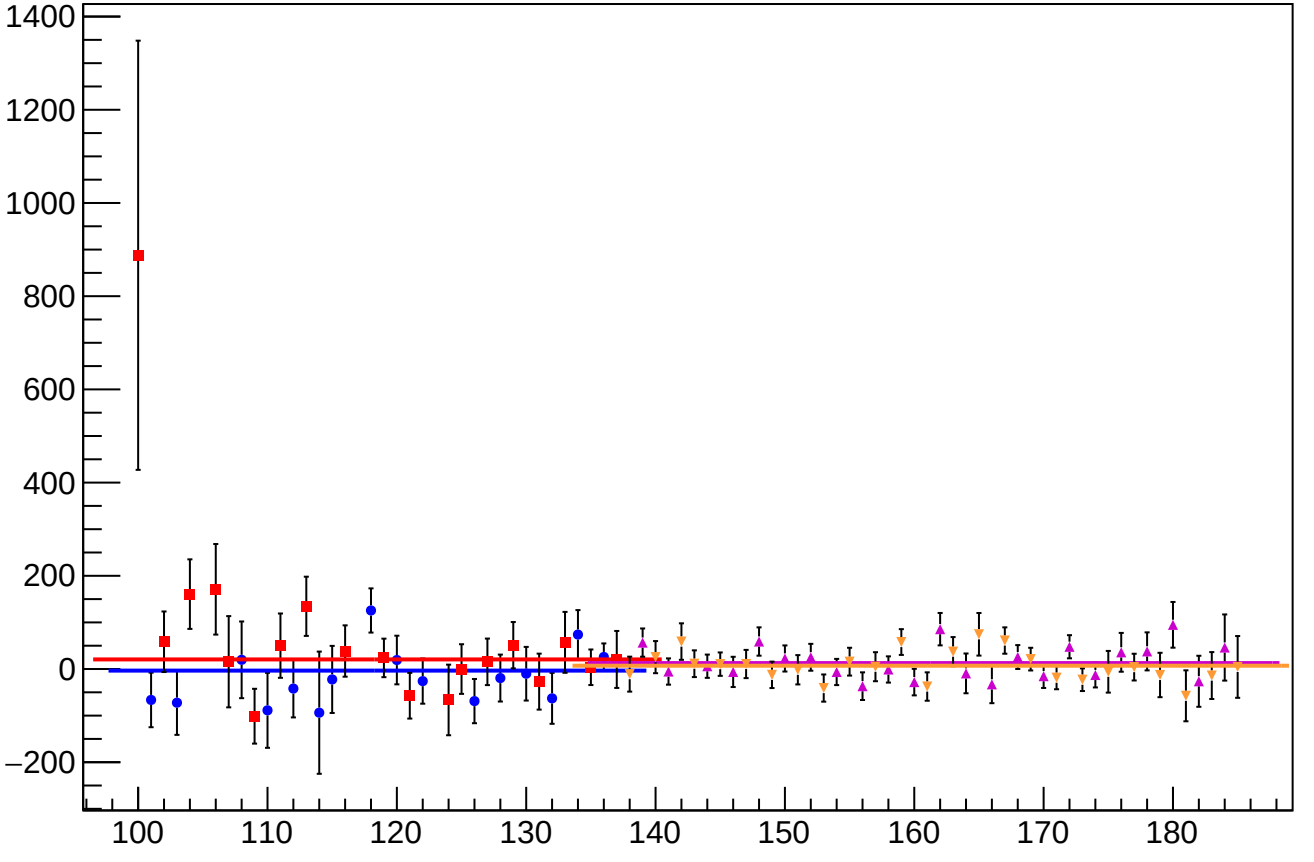
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 185.549+/-0.027 χ^2/NDF: 5988885.9/40

All: 186.293+/-0.019 χ^2/NDF: 12300257.6/82

- 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: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

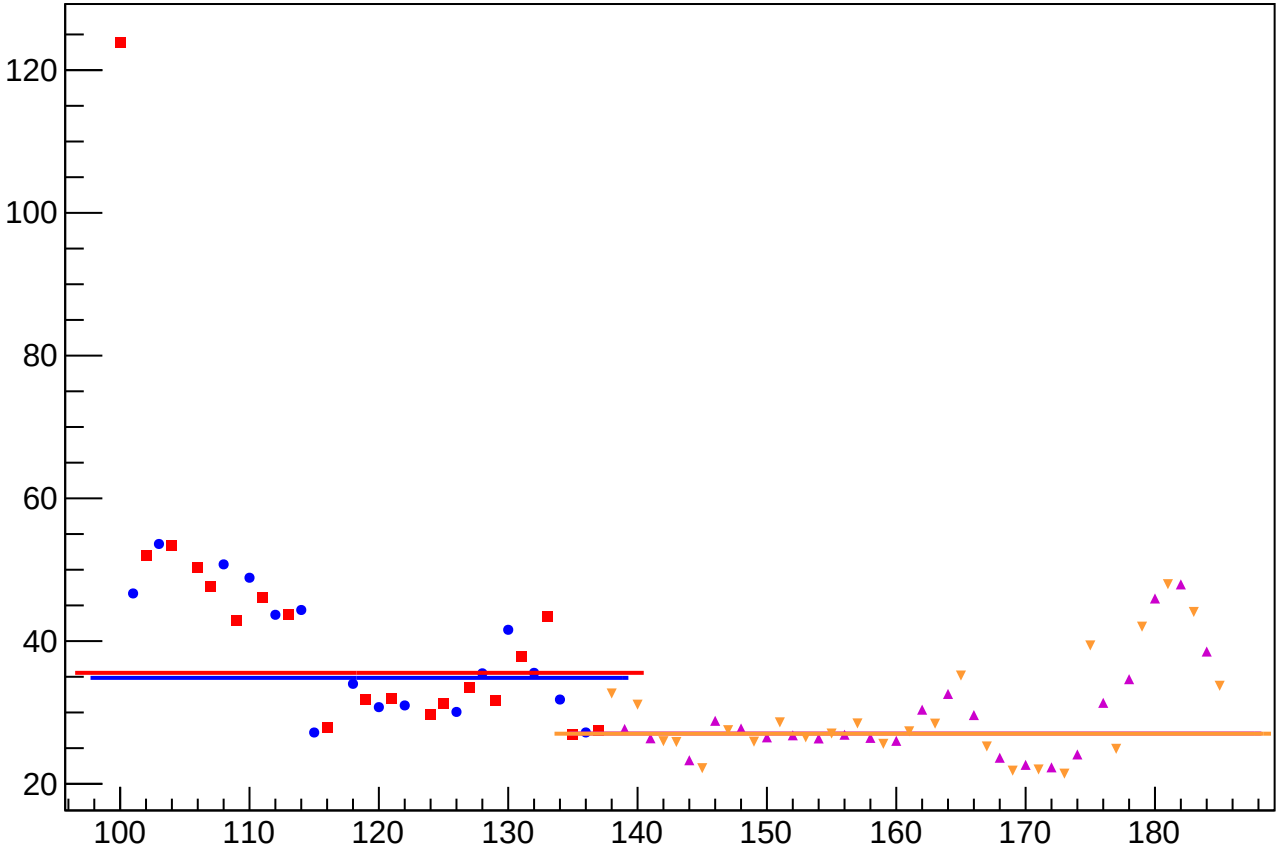
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.160+/-5.725 χ^2/NDF: 41.7/40

All: 9.565+/-4.097 χ^2/NDF: 91.9/82

- 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: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

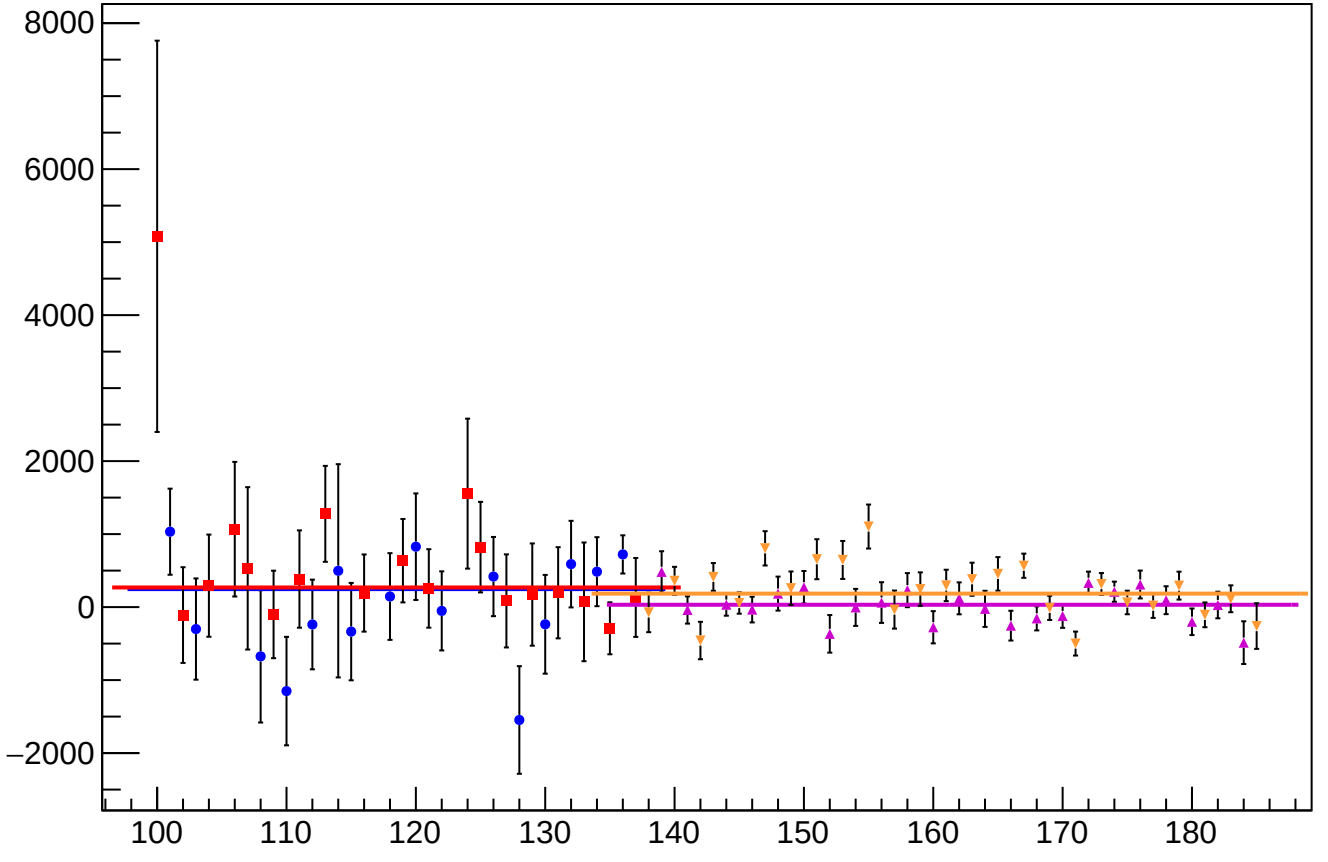
Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.456+/-0.004 χ^2/NDF: 2646422.6/40

All: 28.557+/-0.003 χ^2/NDF: 5117053.8/82

- sign 28.662+/-0.004 χ^2/NDF: 2469368.6/41

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

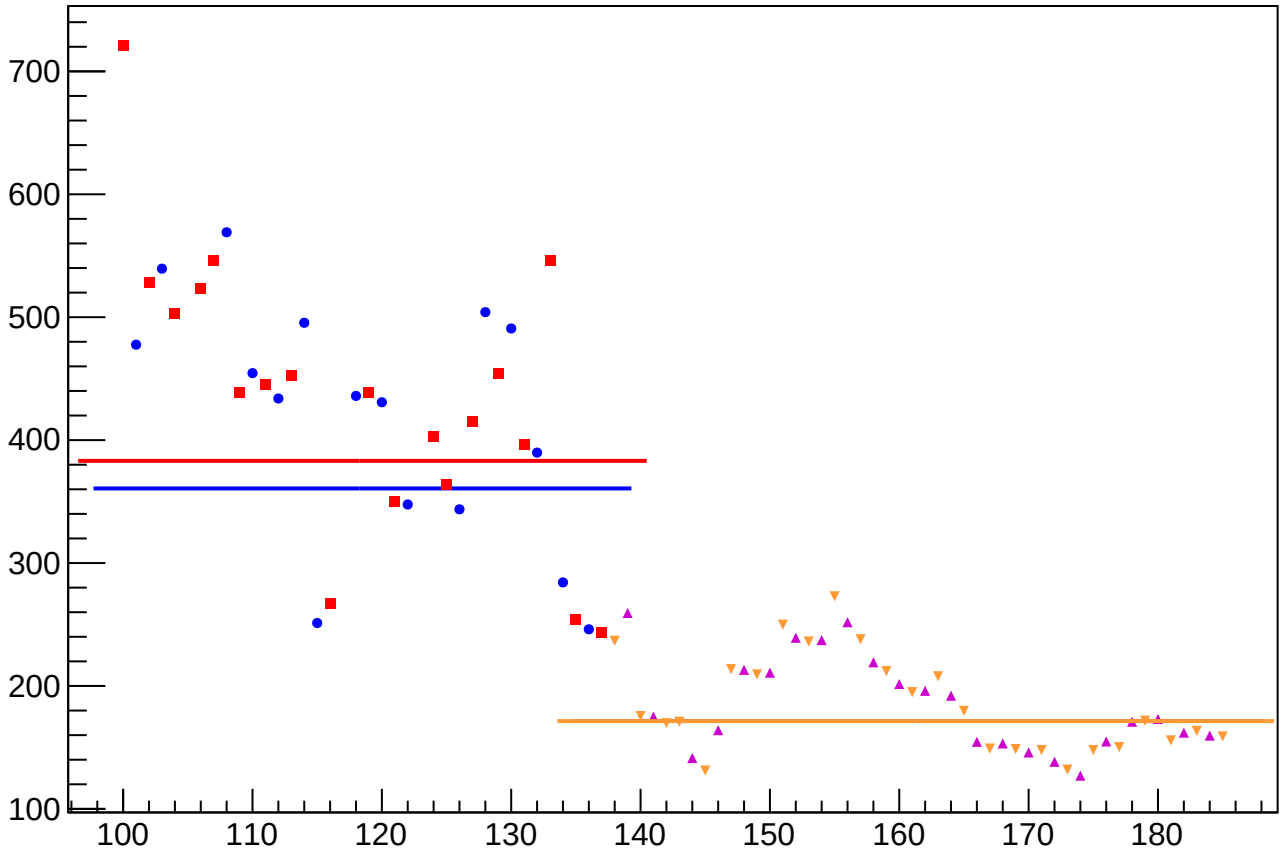
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 189.288+/-38.317 χ^2/NDF: 87.6/40

All: 121.335+/-27.481 χ^2/NDF: 135.6/82

- 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: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

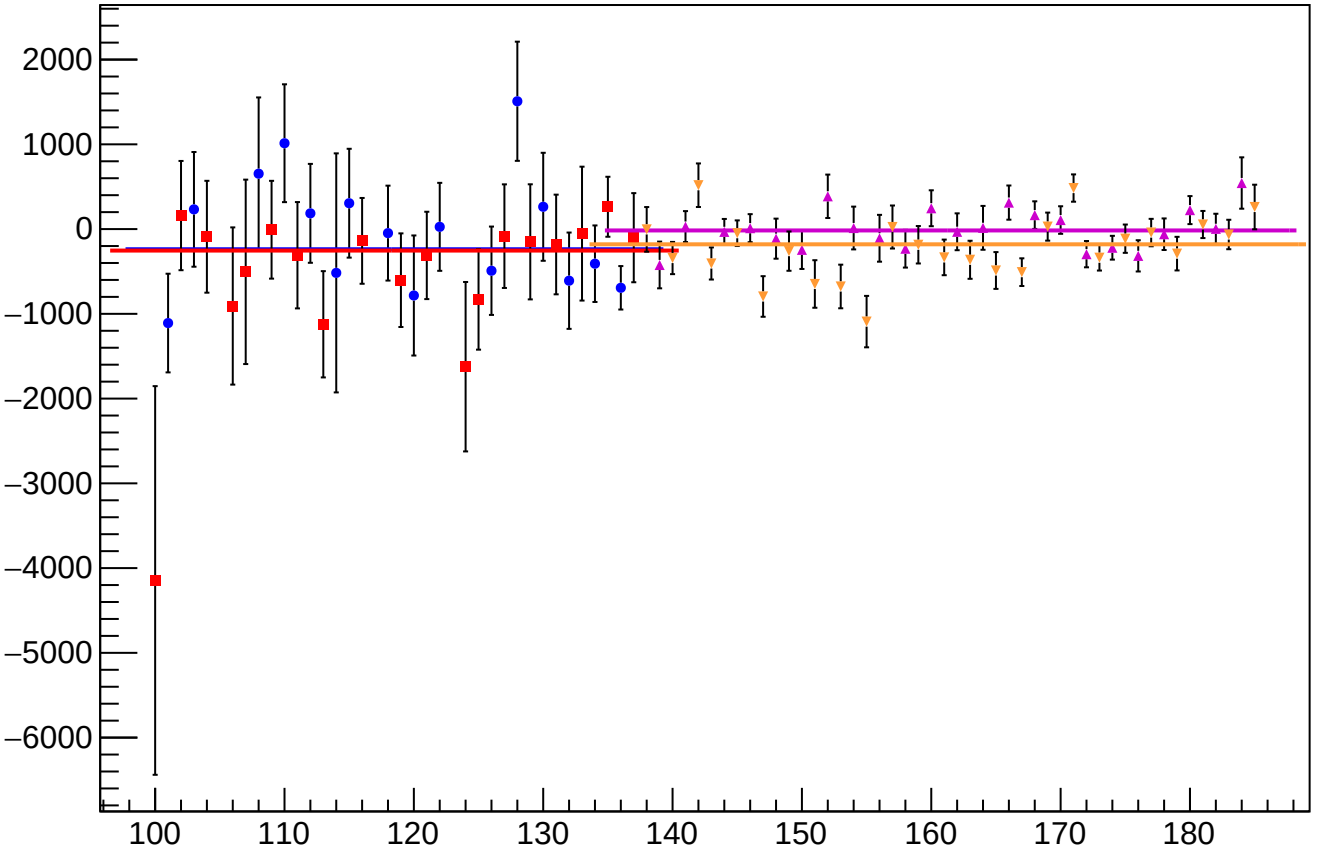
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 185.548+/-0.027 χ^2/NDF: 5988901.5/40

All: 186.293+/-0.019 χ^2/NDF: 12300292.3/82

- 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: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

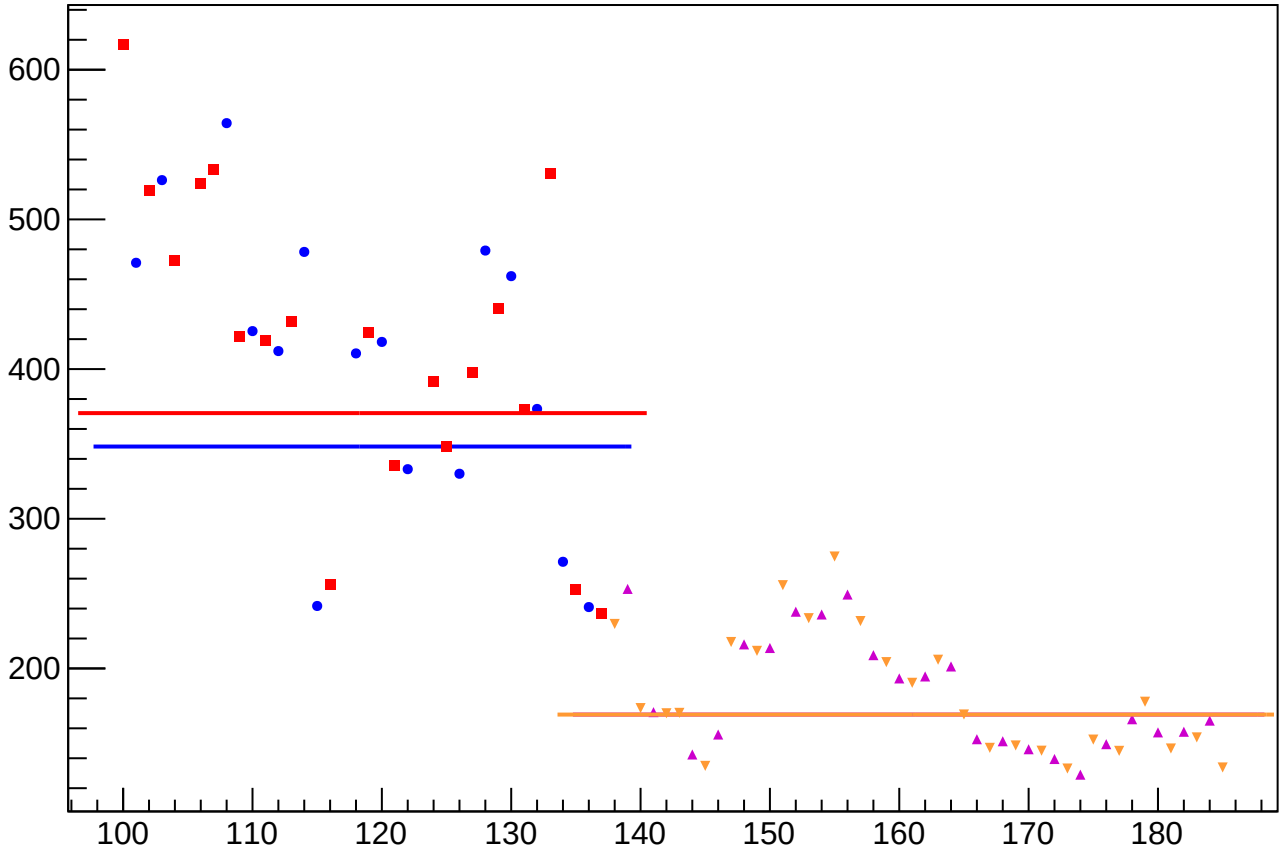
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -184.209+/-37.797 χ^2/NDF: 87.2/40

All: -111.211+/-27.082 χ^2/NDF: 135.8/82

- 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: 169.182+/-0.028 χ^2/NDF:1547748.9/24

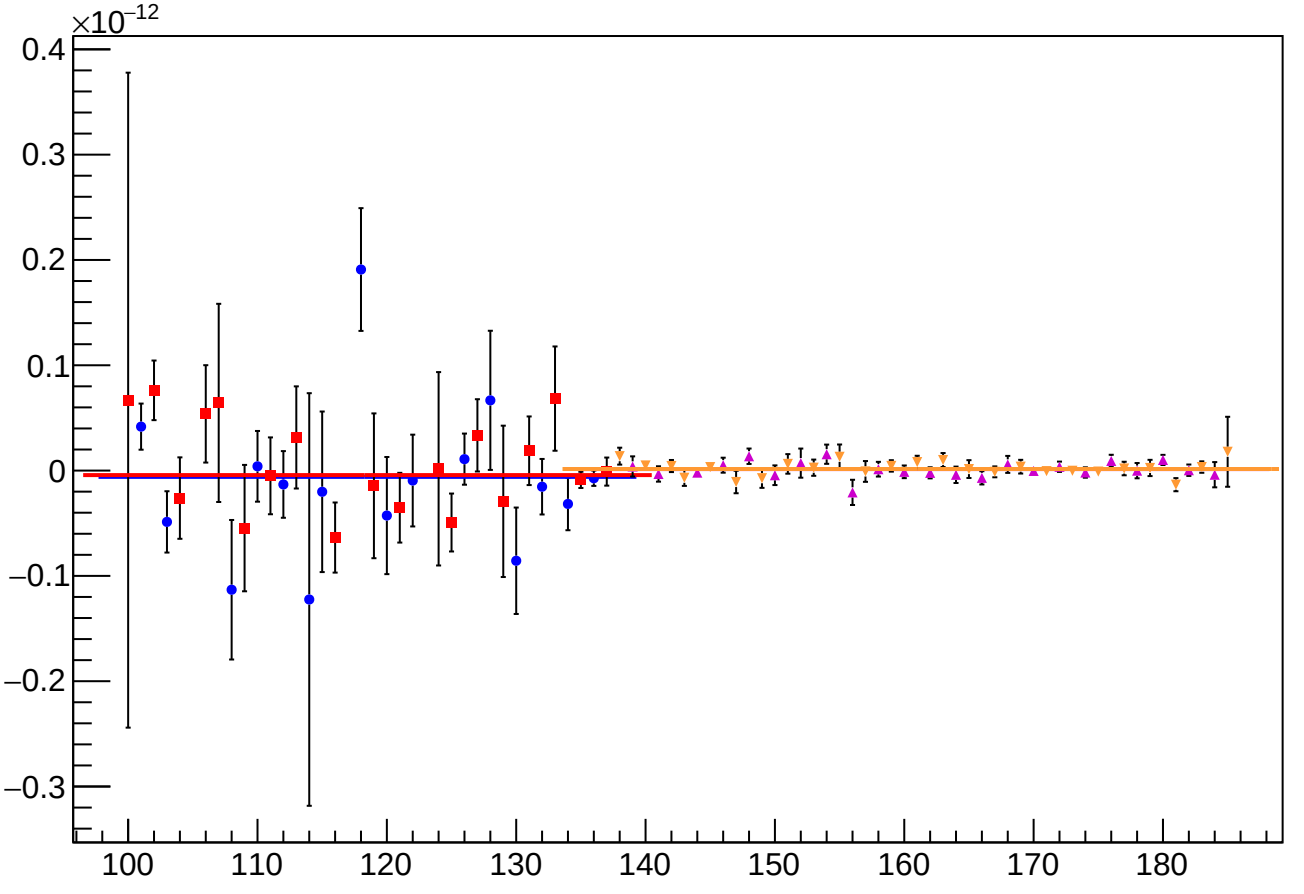
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 183.147+/-0.027 χ^2/NDF: 5832379.8/40

All: 183.845+/-0.019 χ^2/NDF: 11926160.4/82

- 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:18.8/24

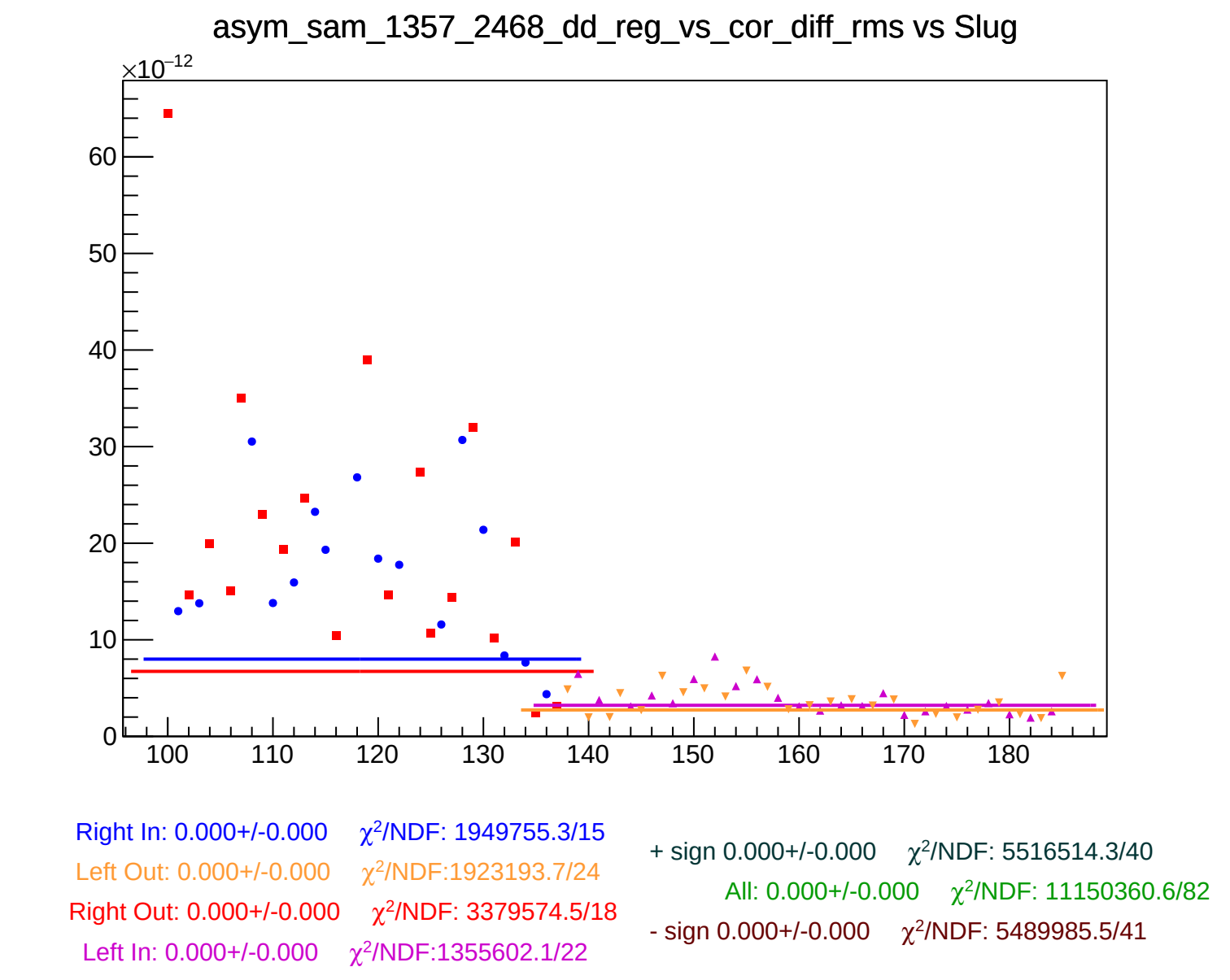
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

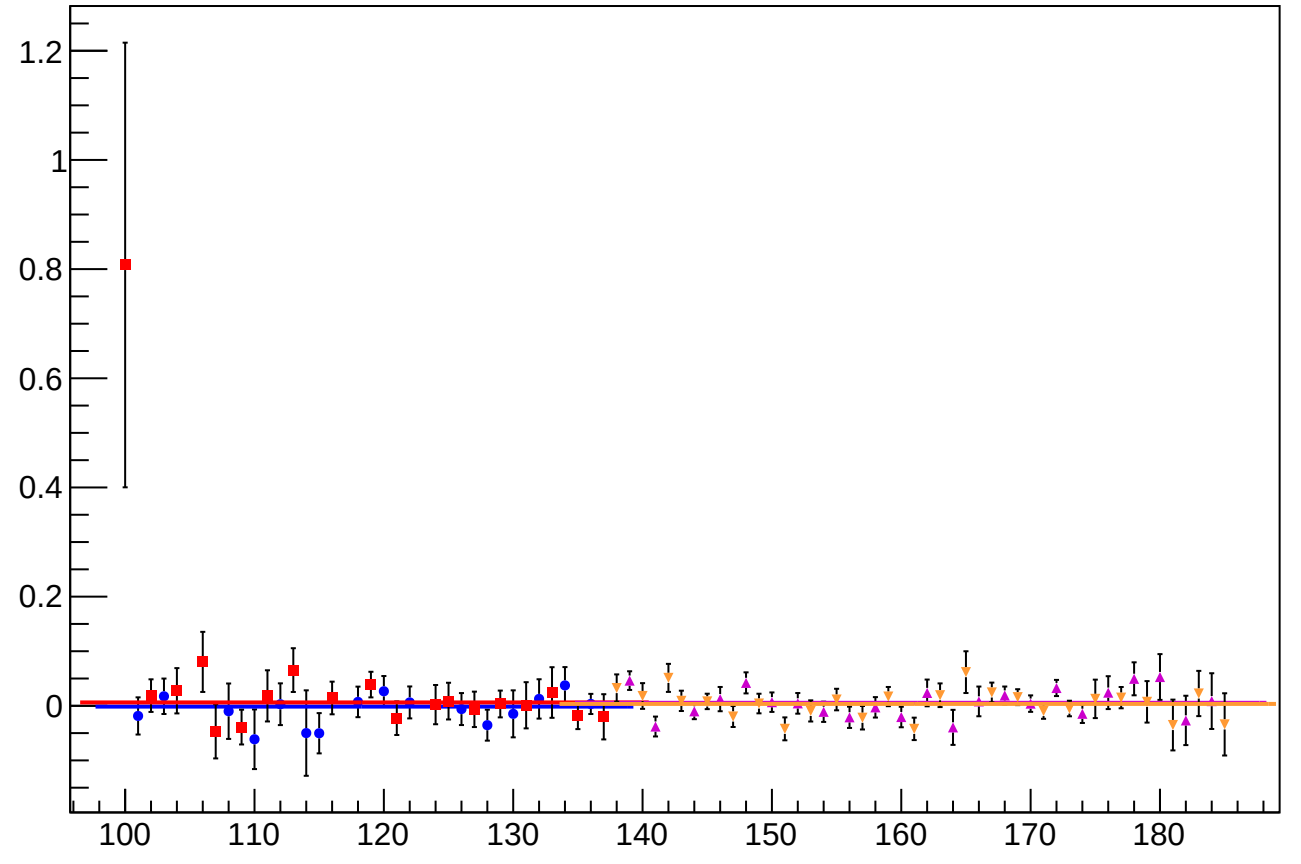
Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.7/40

All: 0.000+/-0.000 χ^2/NDF: 91.4/82

- 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:1923193.7/24
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: 5516514.3/40
All: 0.000+/-0.000 χ²/NDF: 11150360.6/82
- sign 0.000+/-0.000 χ²/NDF: 5489985.5/41



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

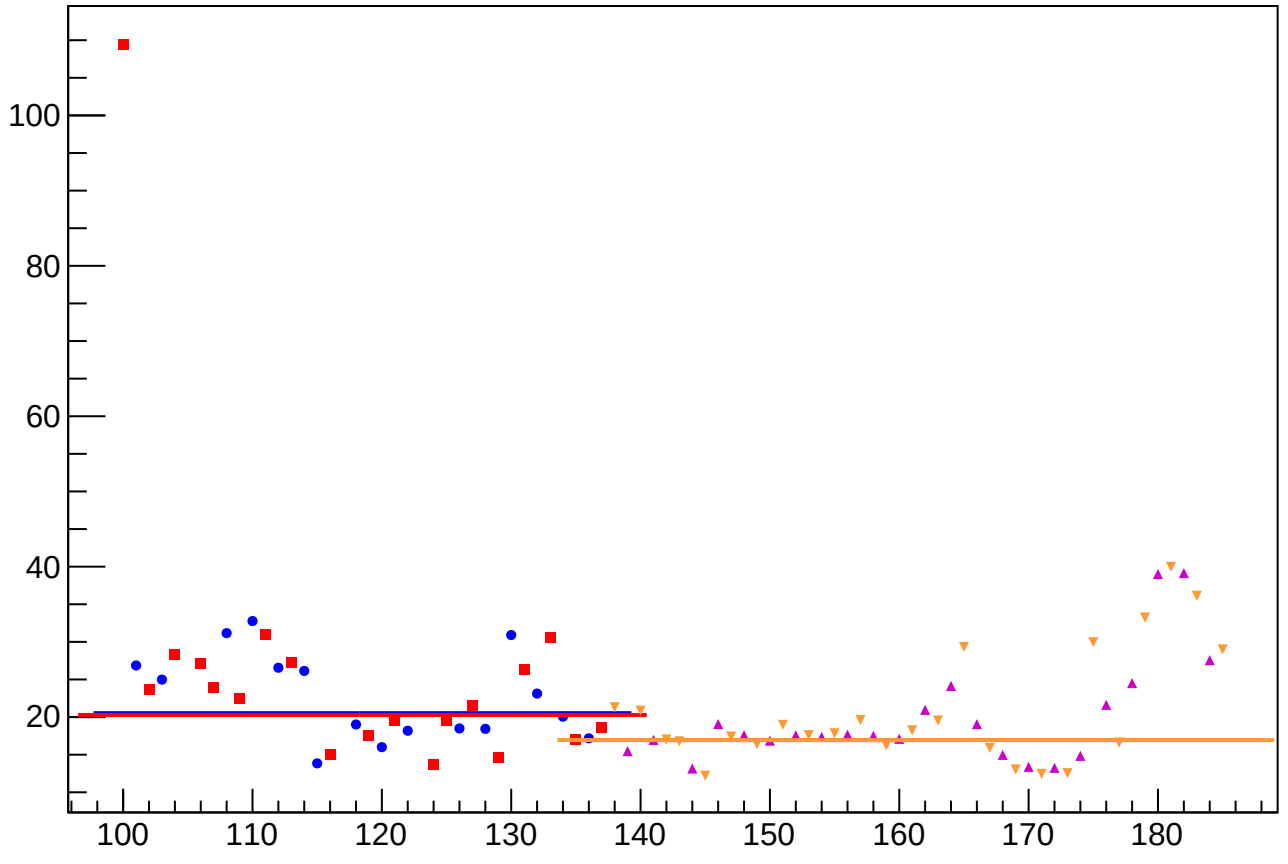
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 35.5/40

All: 0.004+/-0.003 χ^2/NDF: 85.3/82

- 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: 16.939+/-0.003 χ^2/NDF:2836877.8/24

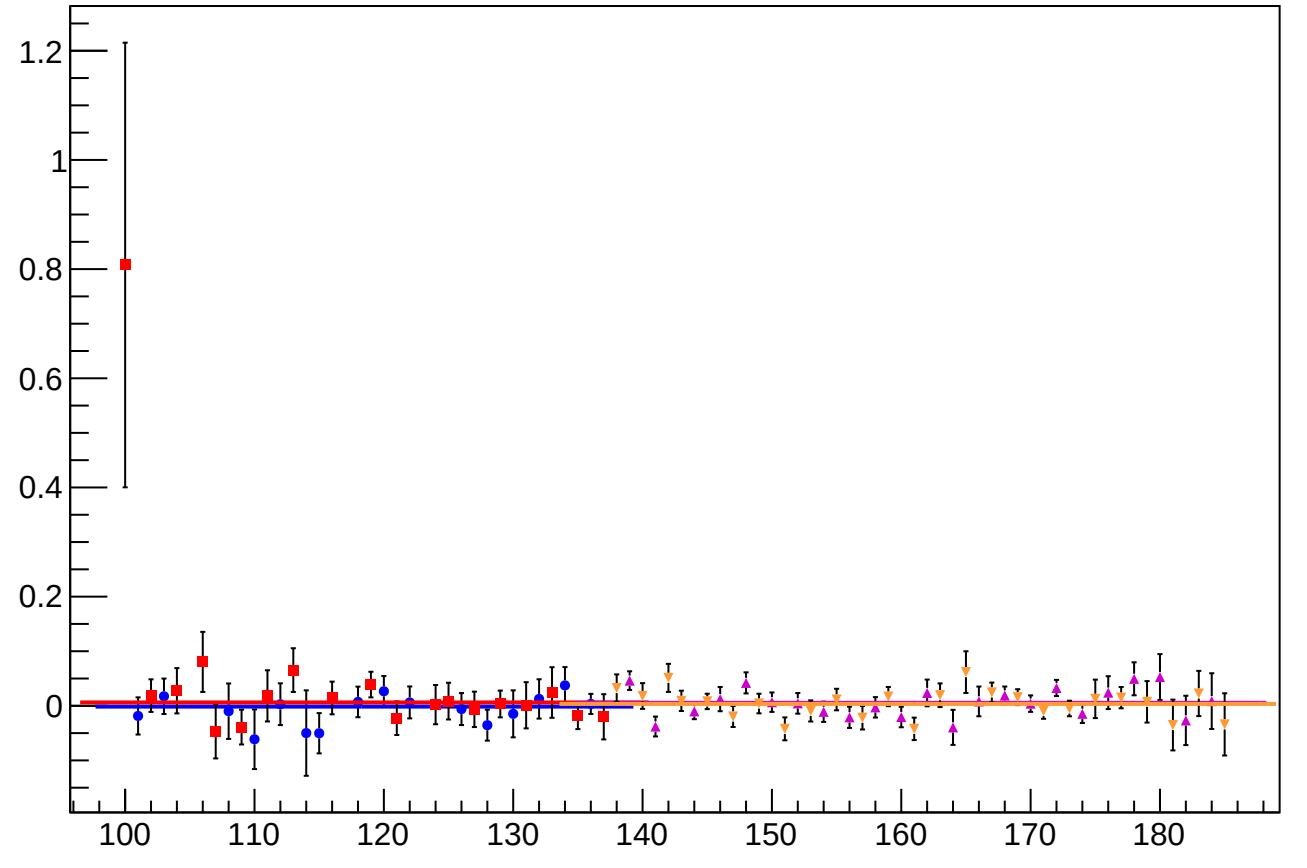
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.673+/-0.003 χ^2/NDF: 3857095.0/40

All: 17.675+/-0.002 χ^2/NDF: 6942950.9/82

\- 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: 0.003+/-0.004 χ^2/NDF:26.9/24

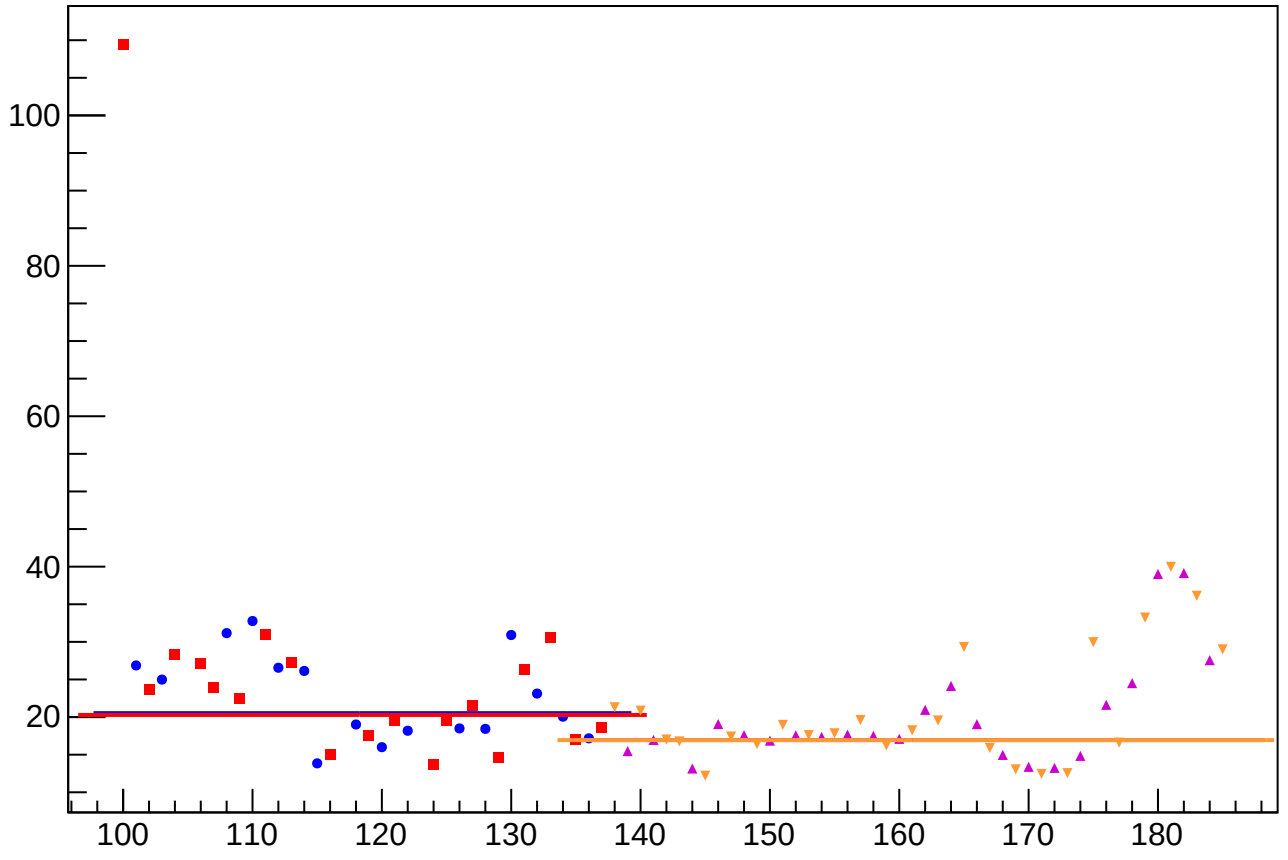
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 35.5/40

All: 0.004+/-0.003 χ^2/NDF: 85.3/82

- 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: 16.939+/-0.003 χ^2/NDF:2836877.8/24

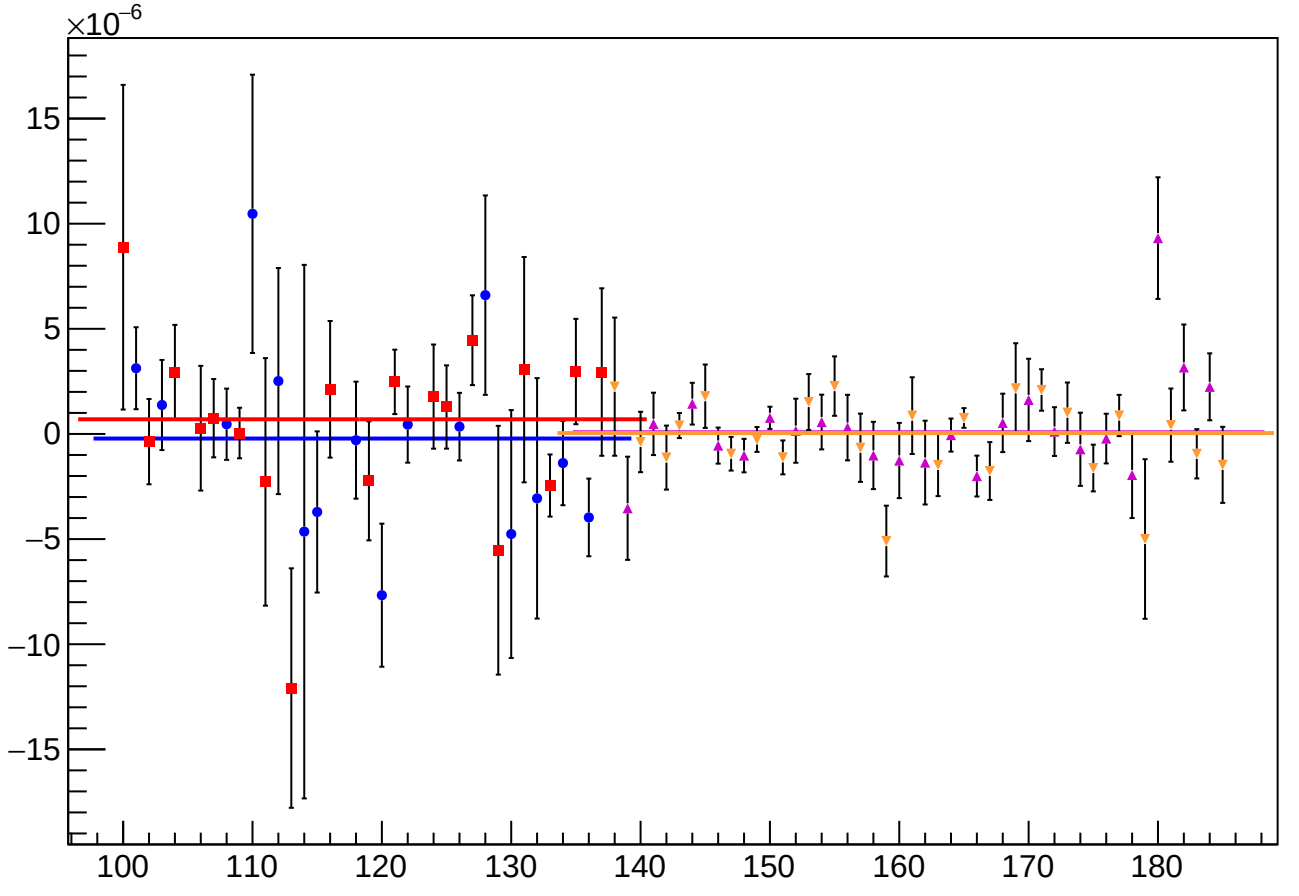
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.673+/-0.003 χ^2/NDF: 3857095.0/40

All: 17.675+/-0.002 χ^2/NDF: 6942950.9/82

\- 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:37.2/24

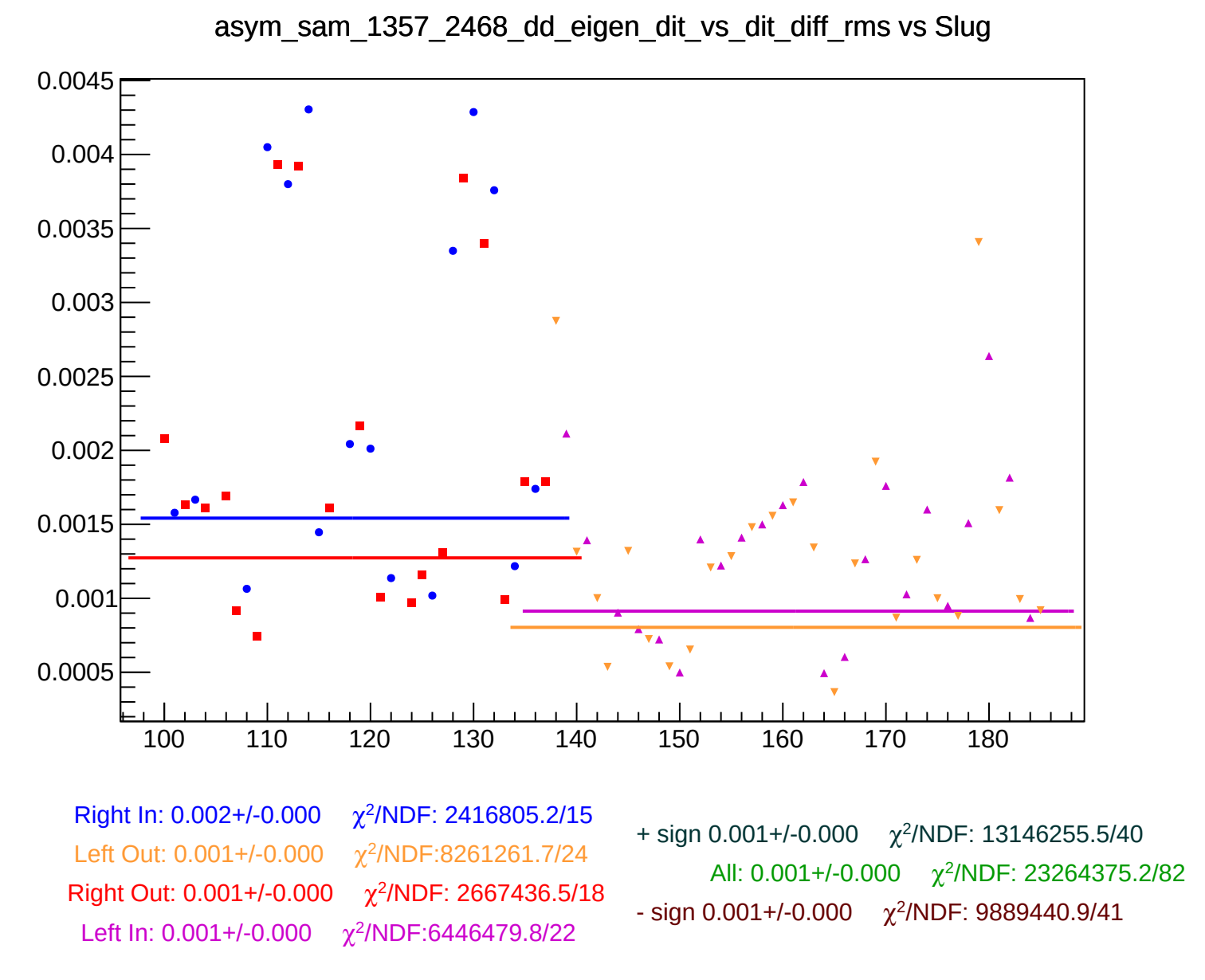
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

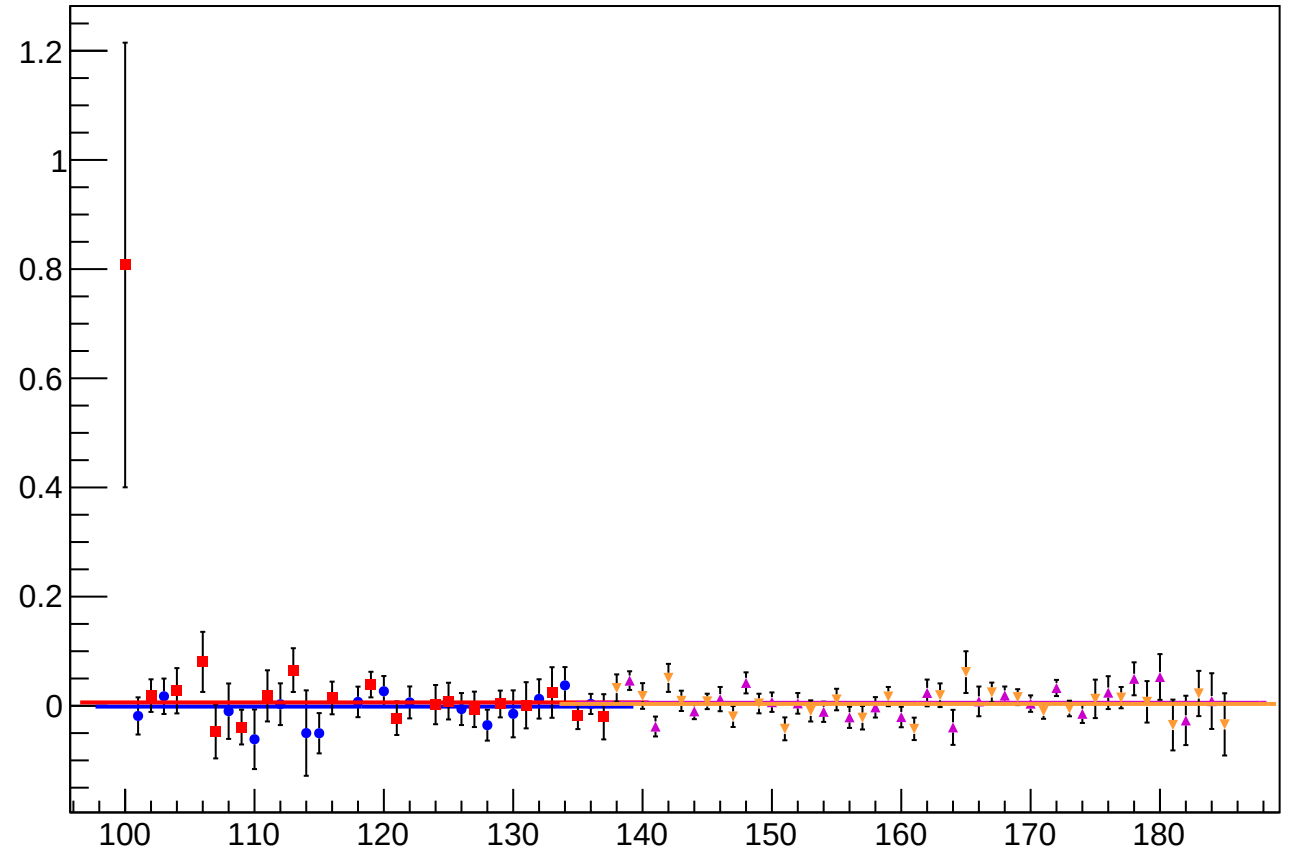
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.2/40

All: 0.000+/-0.000 χ^2/NDF: 110.7/82

- 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:8261261.7/24
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: 13146255.5/40
All: 0.001+/-0.000 χ²/NDF: 23264375.2/82
- sign 0.001+/-0.000 χ²/NDF: 9889440.9/41



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

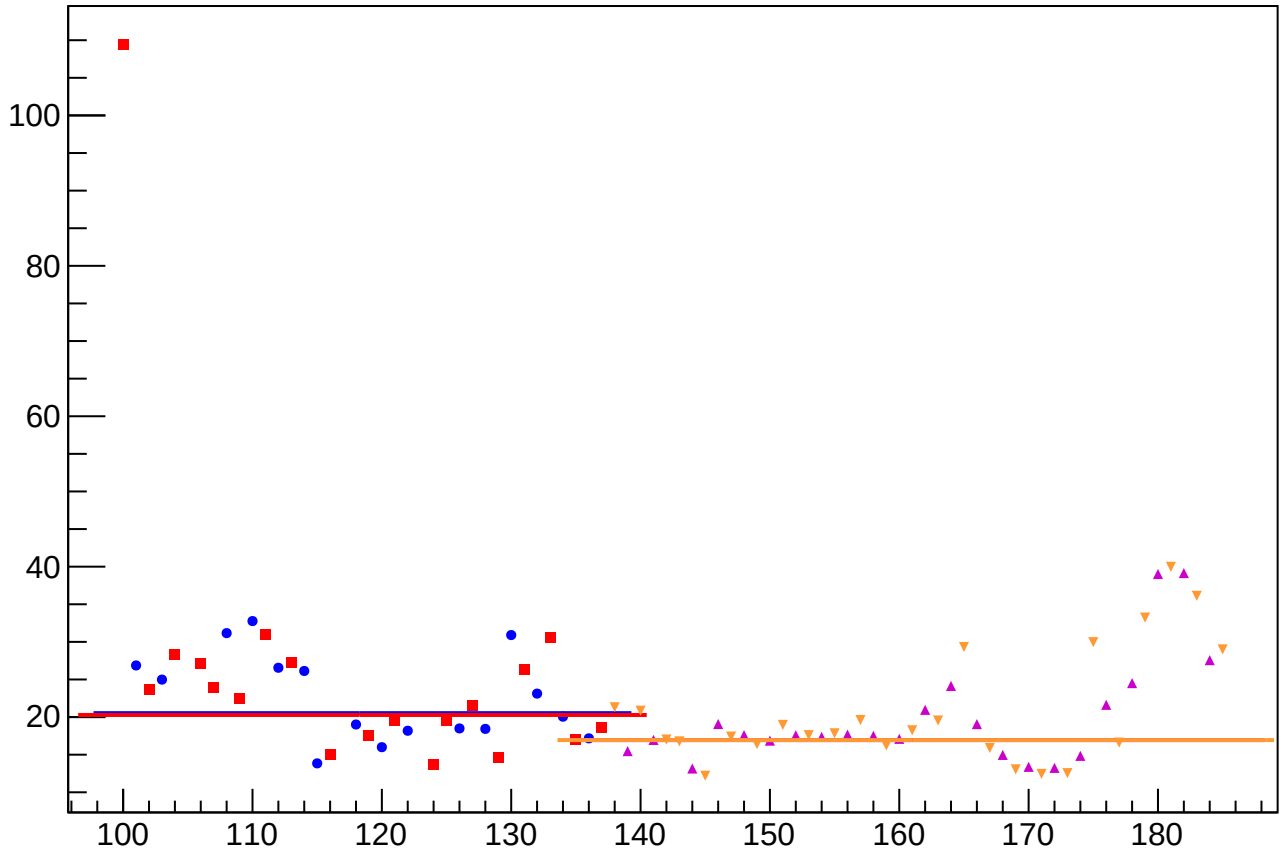
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 35.5/40

All: 0.004+/-0.003 χ^2/NDF: 85.3/82

- 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: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

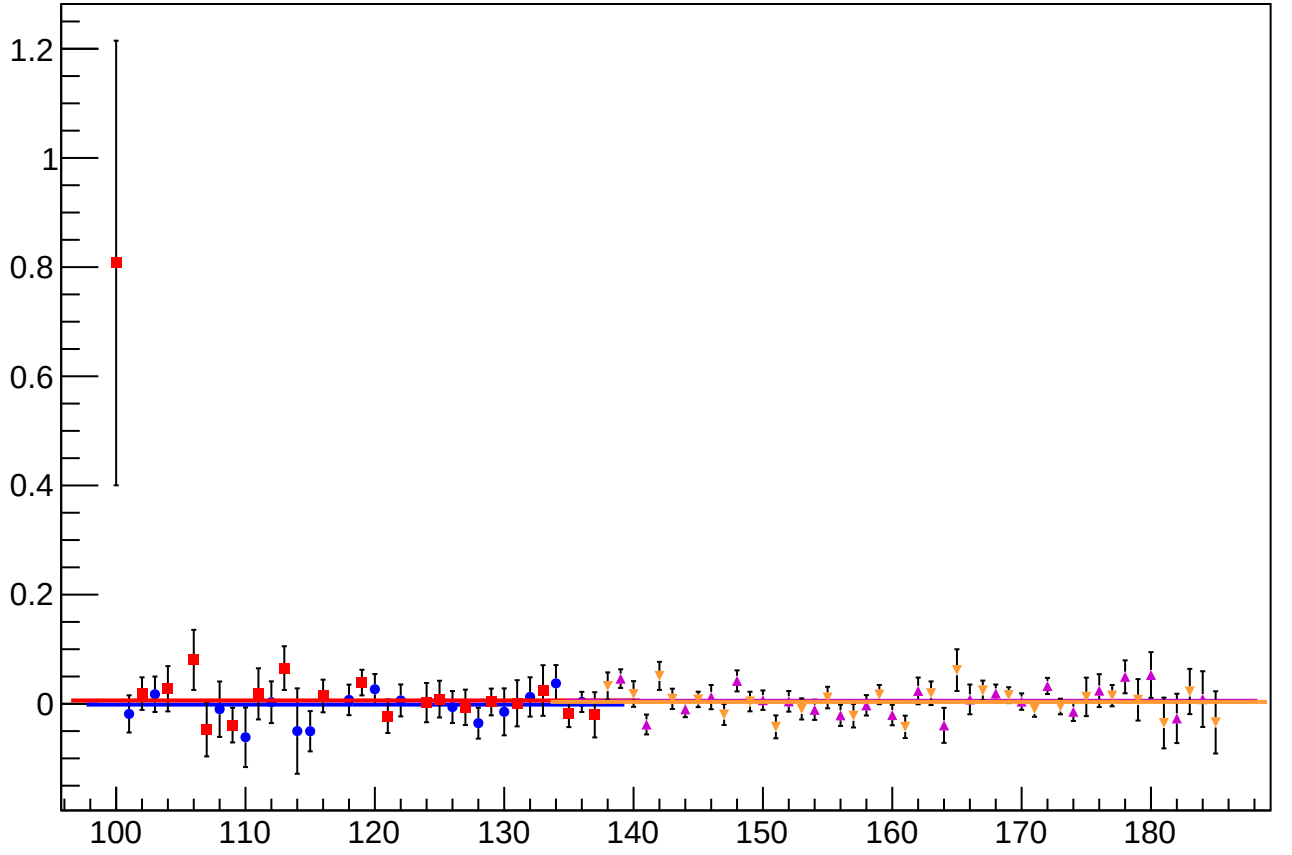
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.673+/-0.003 χ^2/NDF: 3856838.3/40

All: 17.675+/-0.002 χ^2/NDF: 6942565.6/82

- sign 17.678+/-0.003 χ^2/NDF: 3085724.8/41

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

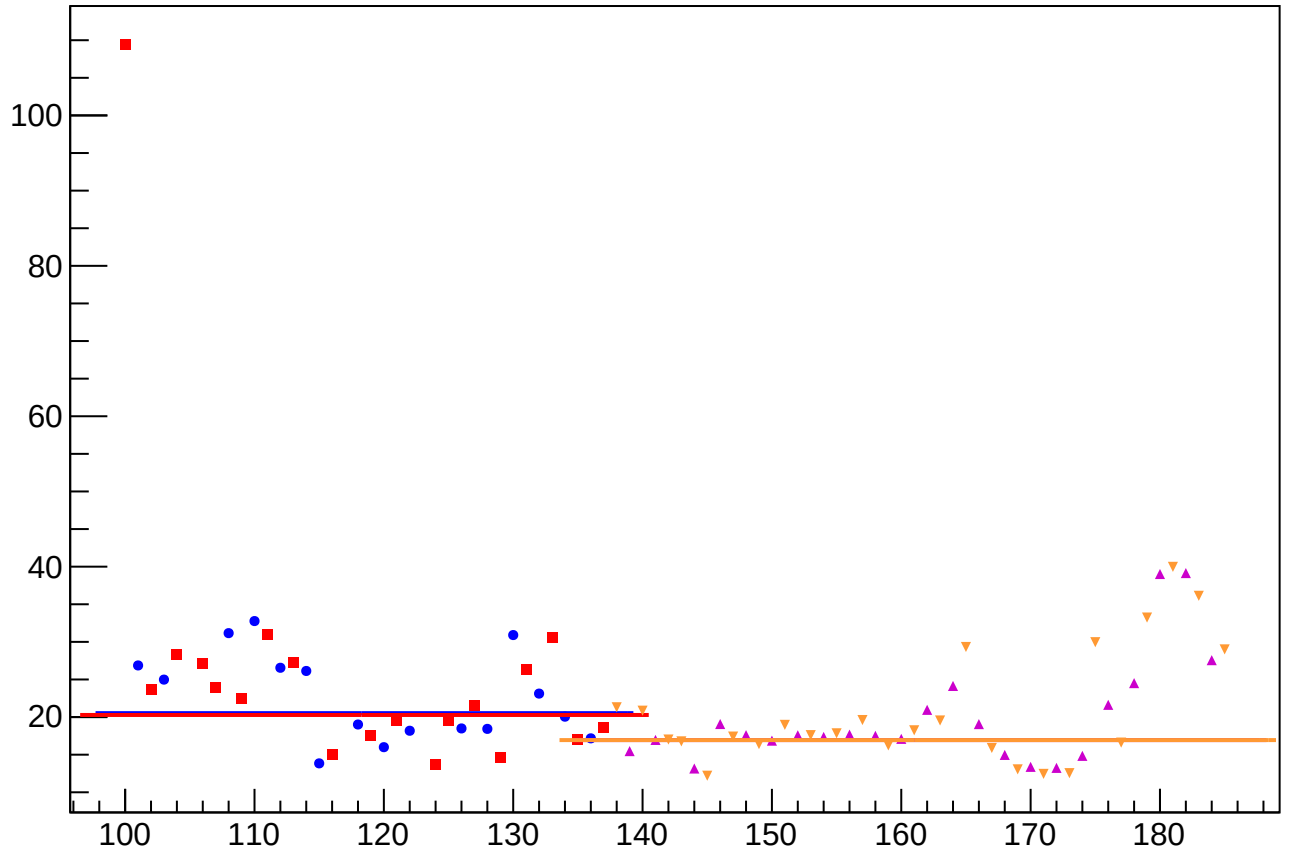
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.002+/-0.004 χ^2/NDF: 35.5/40

All: 0.004+/-0.003 χ^2/NDF: 85.3/82

- 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: 16.939+/-0.003 χ^2/NDF:2836863.1/24

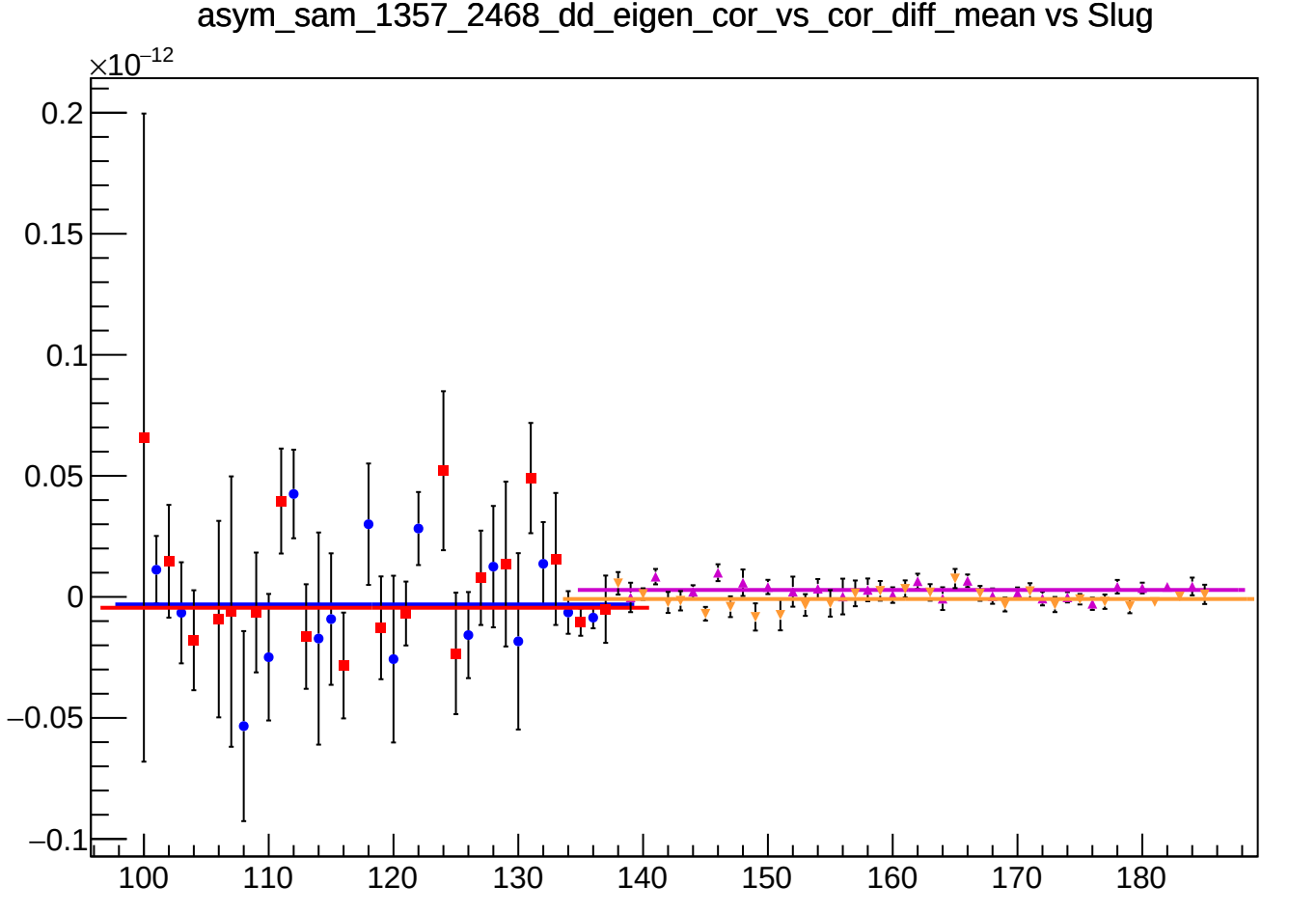
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.673+/-0.003 χ^2/NDF: 3856838.3/40

All: 17.675+/-0.002 χ^2/NDF: 6942565.6/82

- 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:23.6/24

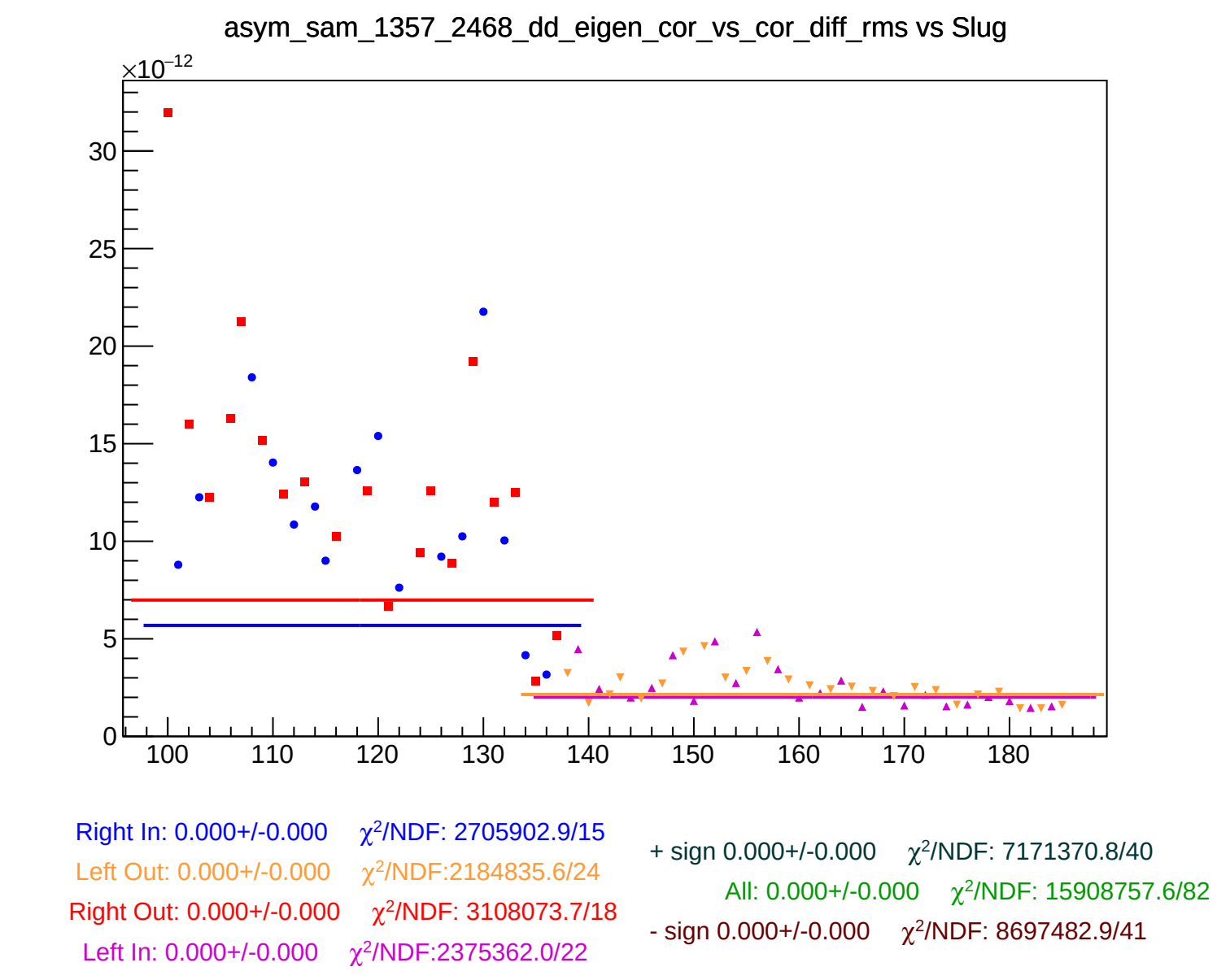
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

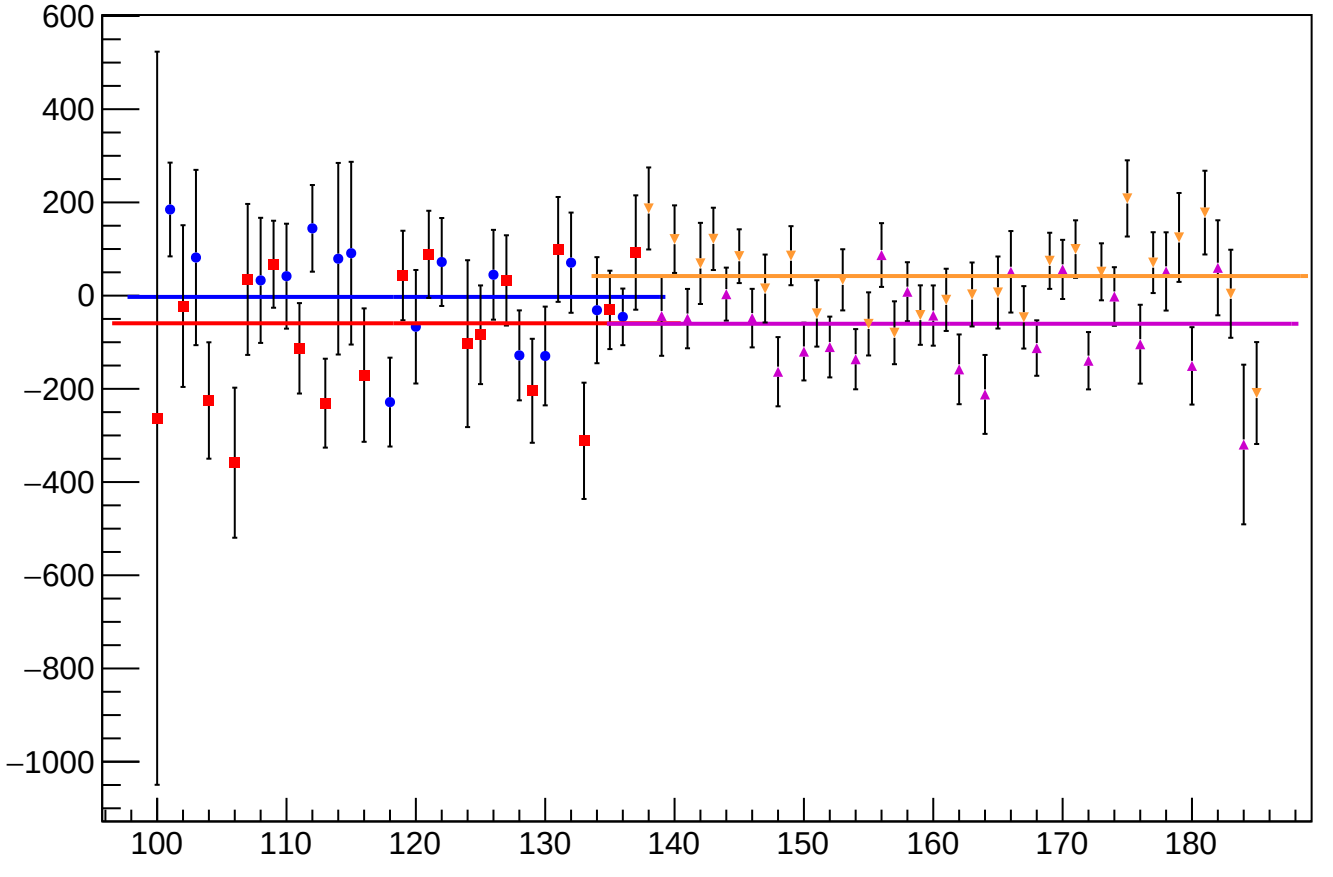
+ sign -0.000+/-0.000 χ^2/NDF: 44.0/40

All: 0.000+/-0.000 χ^2/NDF: 106.0/82

- sign 0.000+/-0.000 χ^2/NDF: 45.2/41


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2184835.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:2375362.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7171370.8/40
All: 0.000+/-0.000 χ²/NDF: 15908757.6/82
- sign 0.000+/-0.000 χ²/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: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

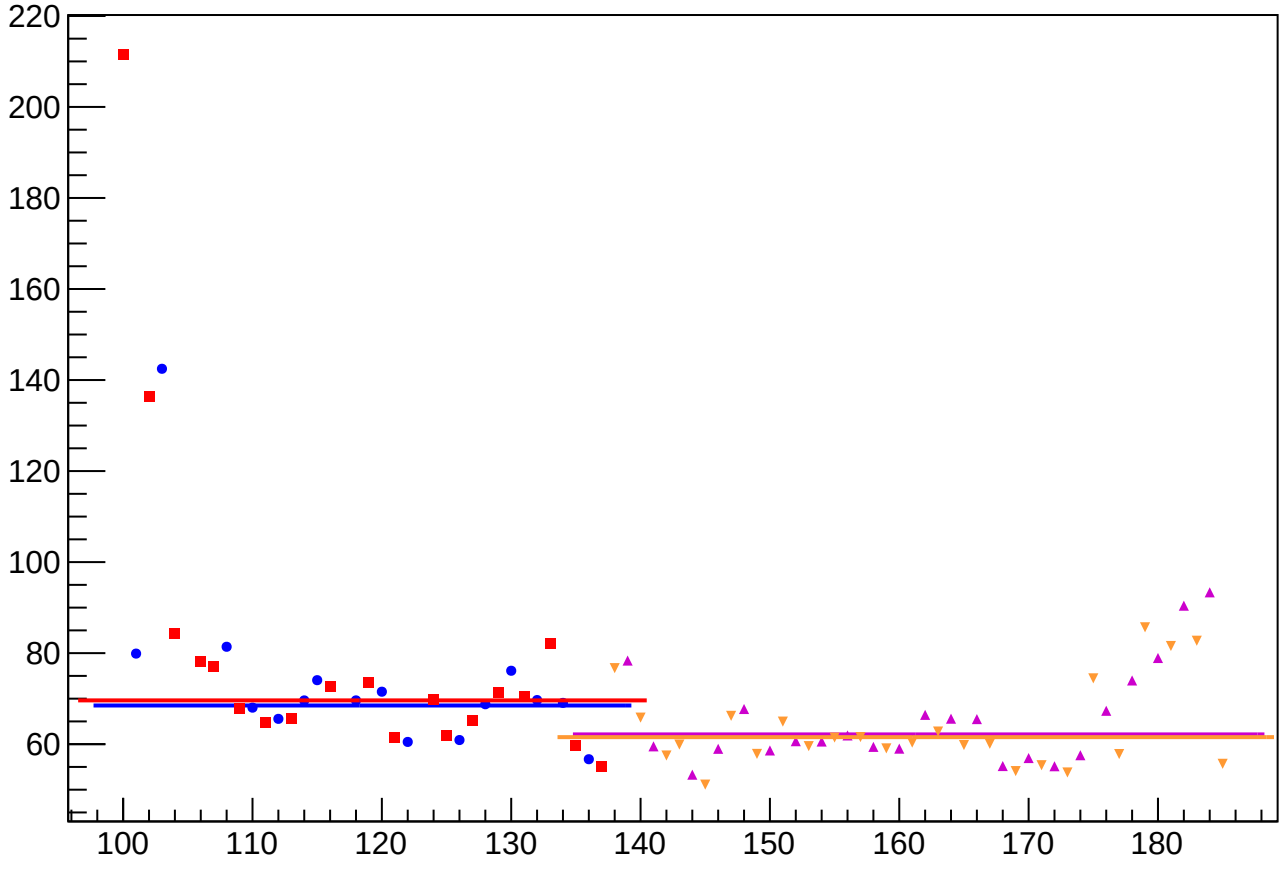
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.874+/-12.473 χ^2/NDF: 52.0/40

All: -12.758+/-8.950 χ^2/NDF: 136.3/82

- 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: 61.544+/-0.010 χ^2/NDF:637834.8/24

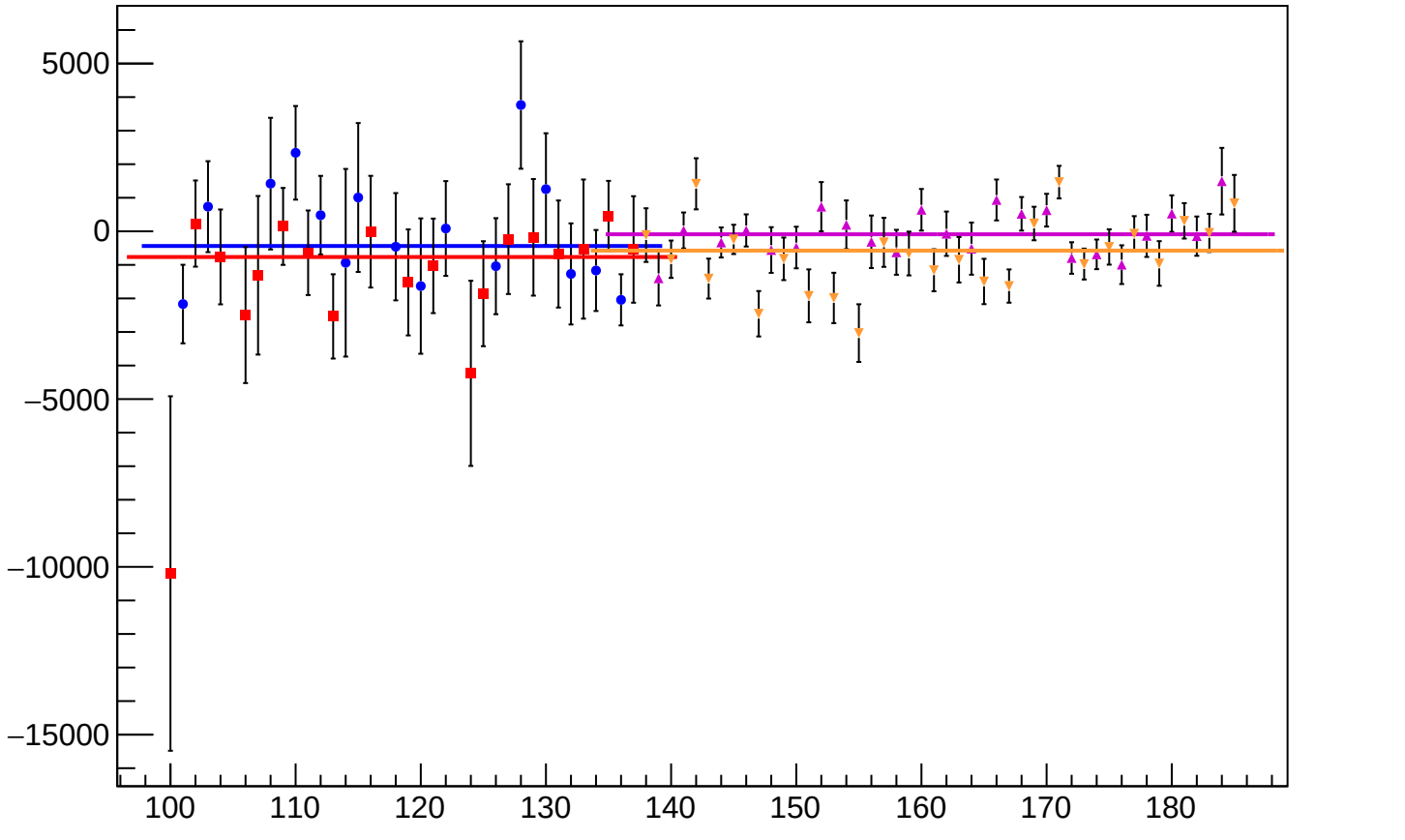
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.119+/-0.009 χ^2/NDF: 1218602.9/40

All: 63.506+/-0.006 χ^2/NDF: 2462218.0/82

- 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: -574.818+/-119.736 χ^2/NDF:68.8/24

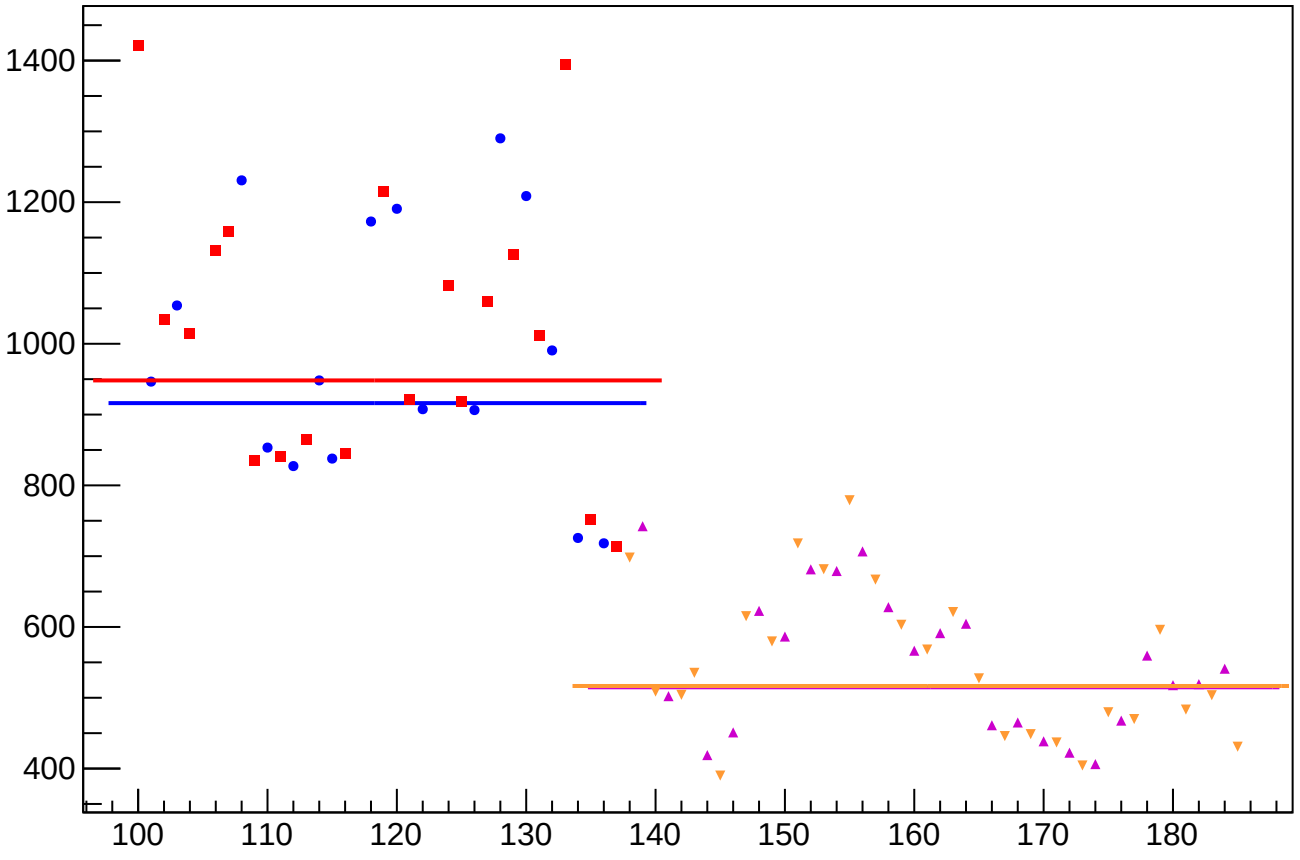
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

\+ sign -560.342+/-113.252 χ^2/NDF: 89.5/40

All: -365.019+/-80.941 χ^2/NDF: 134.8/82

\- 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: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

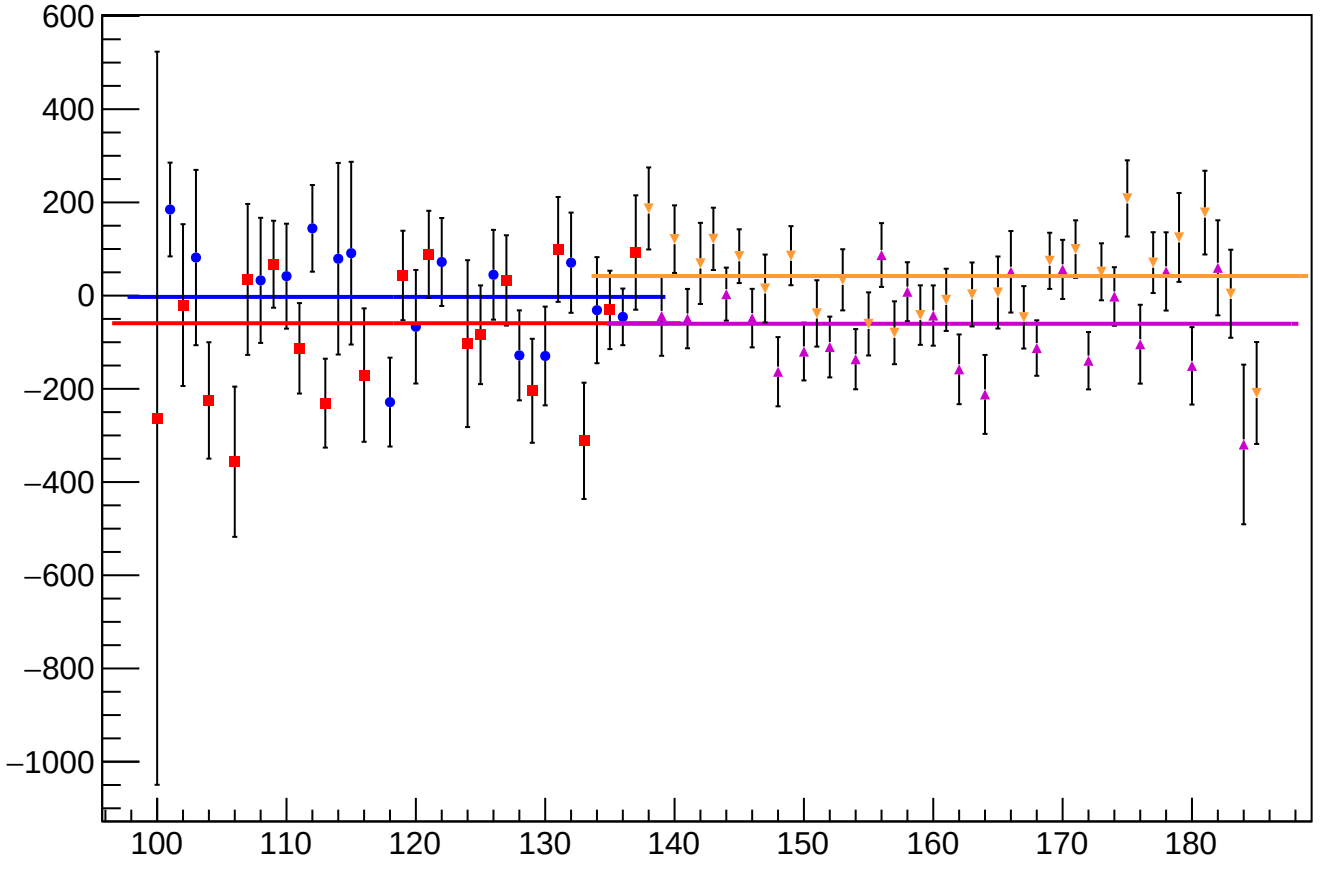
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 558.737+/-0.080 χ^2/NDF: 4120835.3/40

All: 560.016+/-0.057 χ^2/NDF: 8347746.3/82

- 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: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

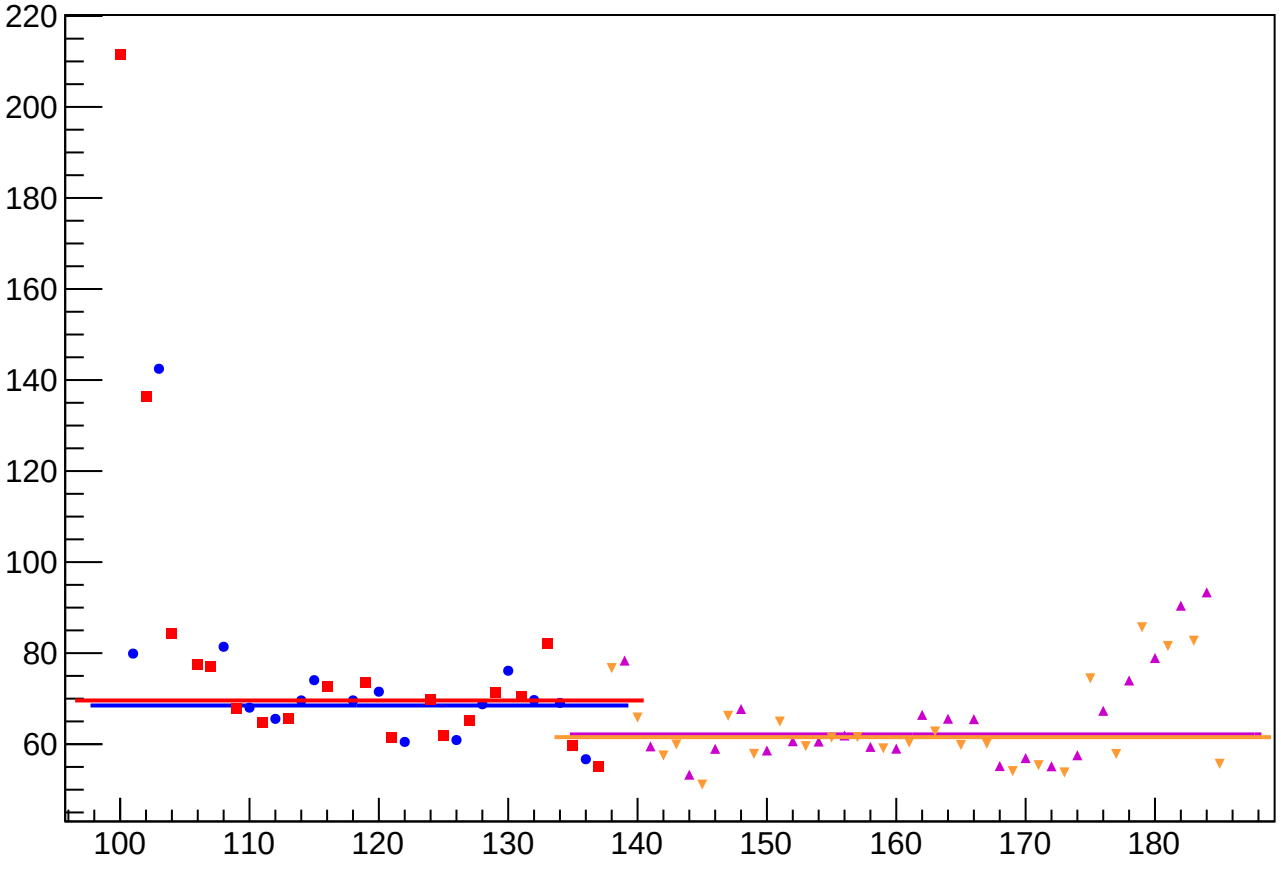
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.876+/-12.473 χ^2/NDF: 52.0/40

All: -12.742+/-8.950 χ^2/NDF: 136.2/82

- 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: 61.544+/-0.010 χ^2/NDF:637834.9/24

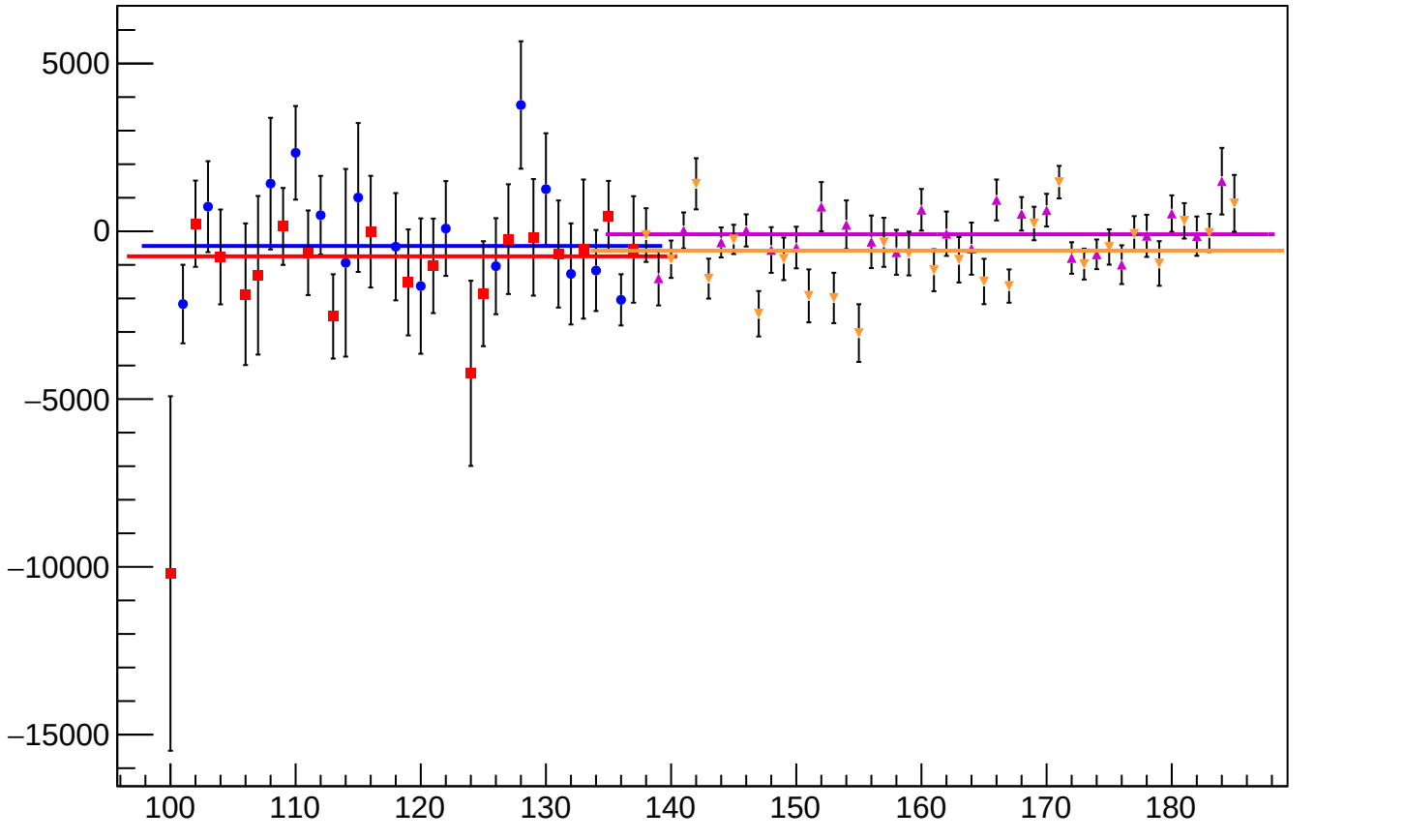
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.119+/-0.009 χ^2/NDF: 1218605.9/40

All: 63.504+/-0.006 χ^2/NDF: 2460921.9/82

- 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: -574.811+/-119.736 χ^2/NDF:68.8/24

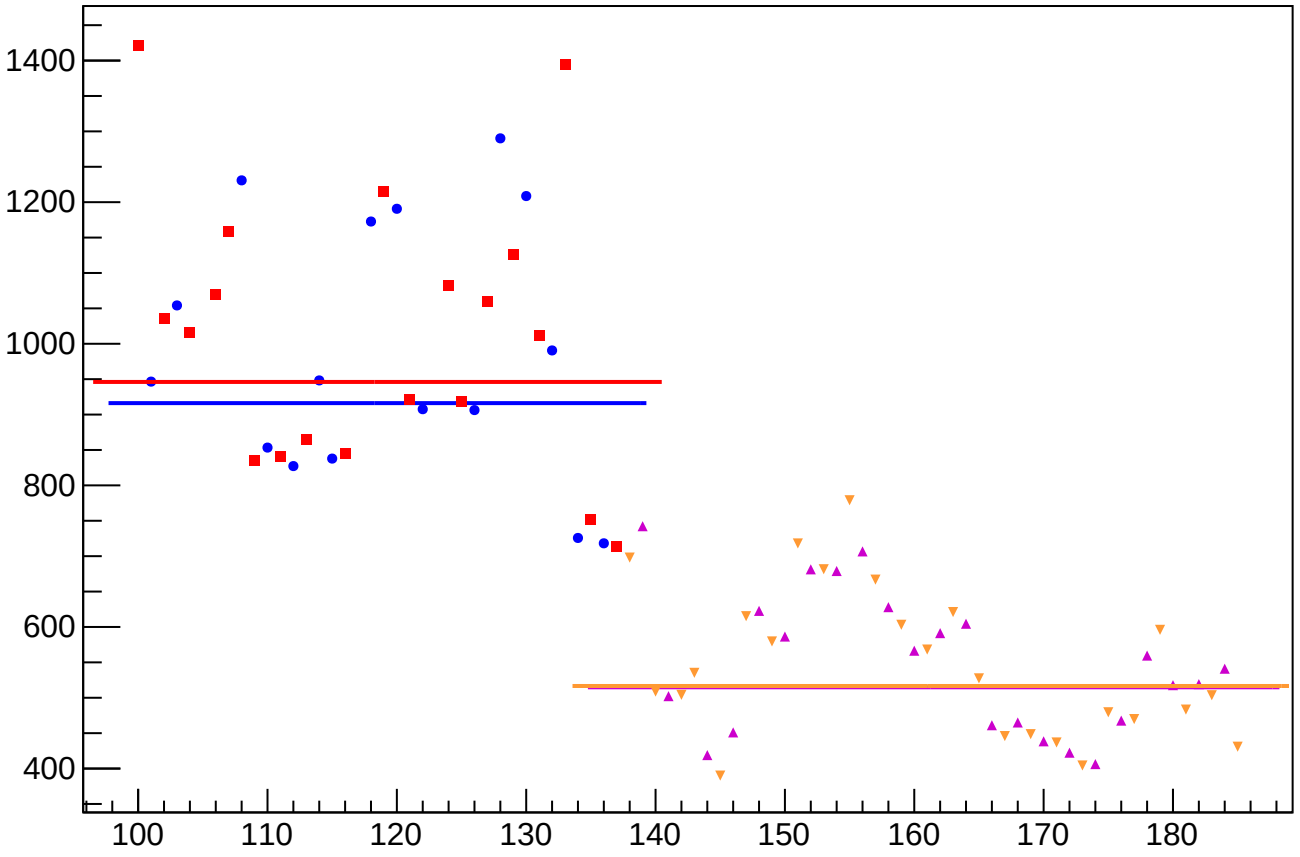
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -560.333+/-113.252 χ^2/NDF: 89.5/40

All: -363.864+/-80.947 χ^2/NDF: 134.2/82

- 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: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

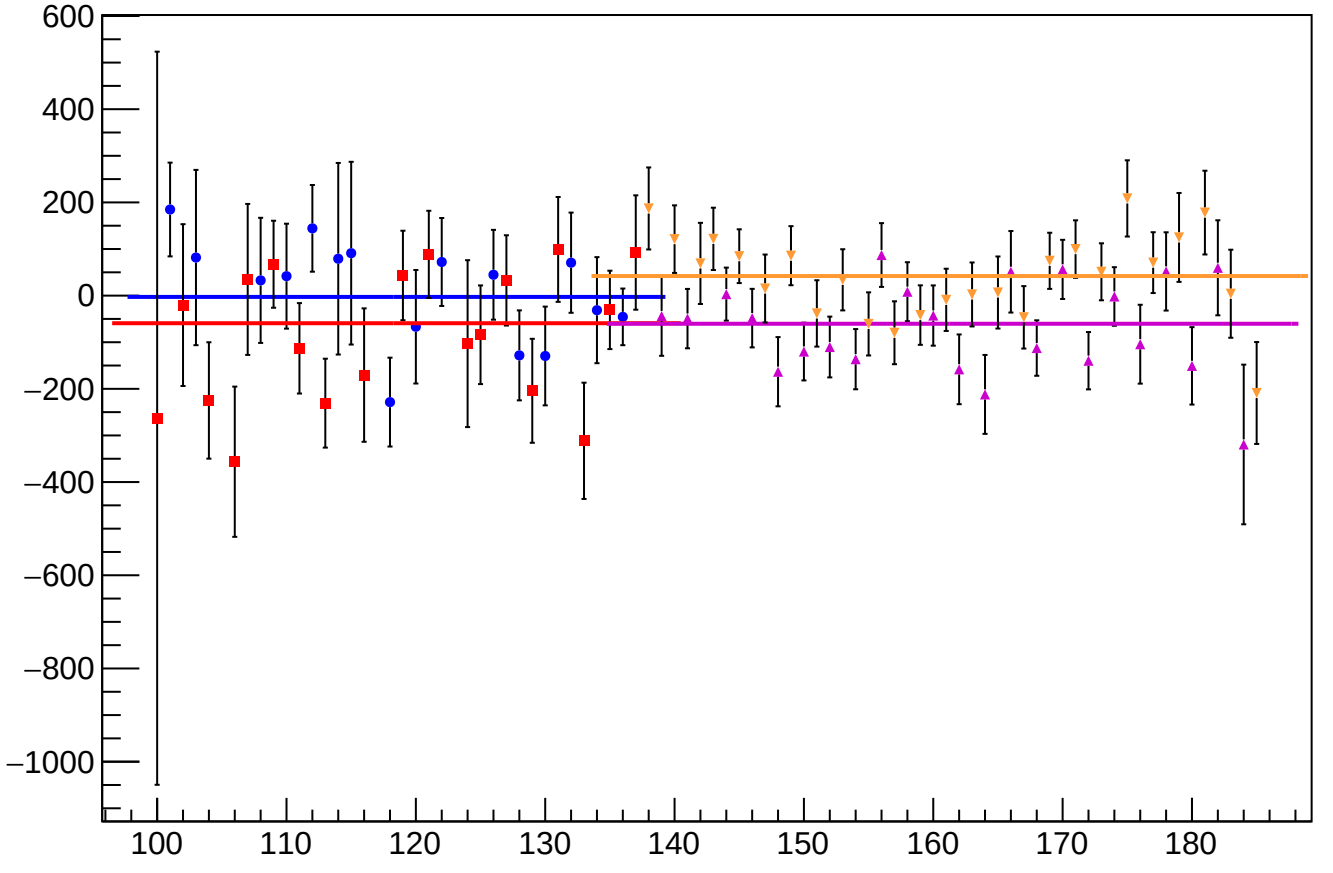
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 558.736+/-0.080 χ^2/NDF: 4120884.8/40

All: 559.854+/-0.057 χ^2/NDF: 8305487.3/82

- 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: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

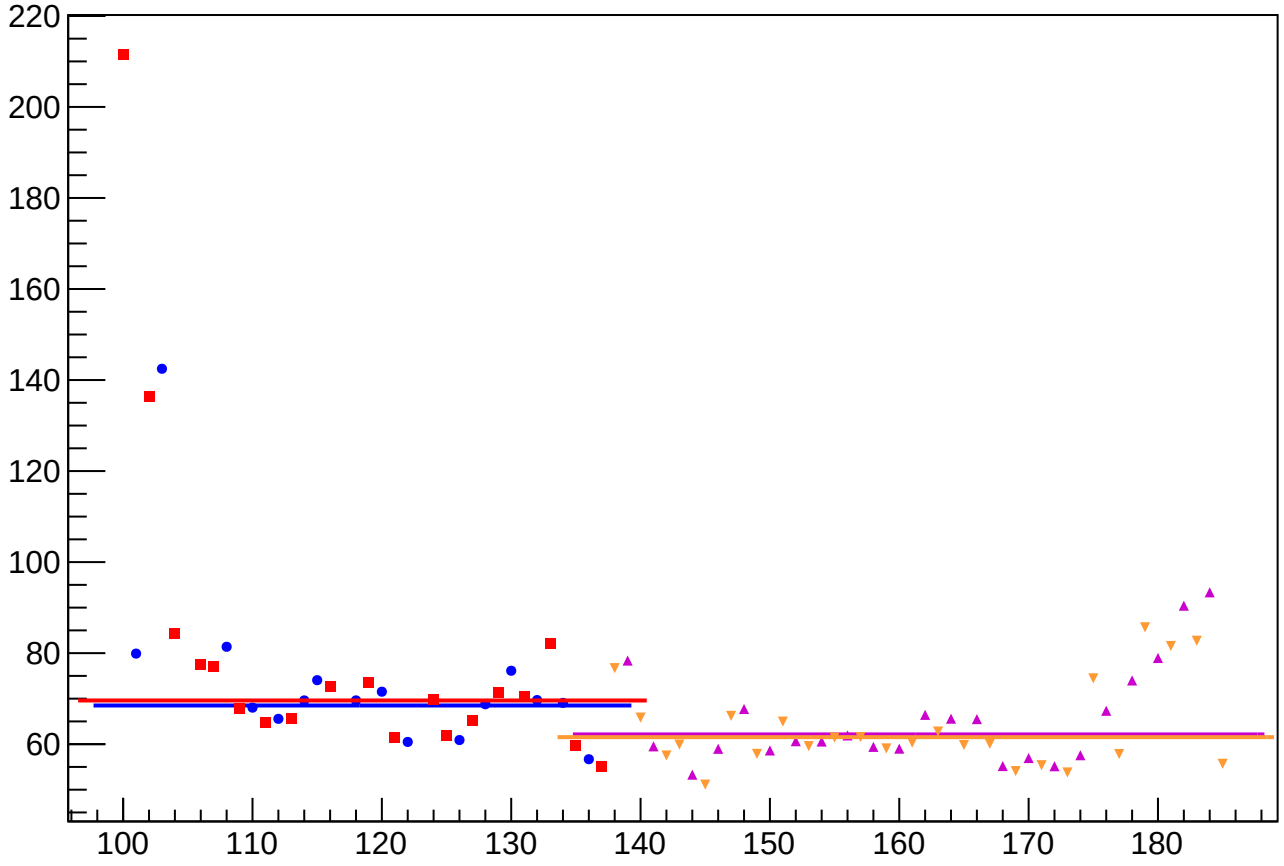
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.876+/-12.473 χ^2/NDF: 52.0/40

All: -12.742+/-8.950 χ^2/NDF: 136.2/82

- 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: 61.544+/-0.010 χ^2/NDF:637834.9/24

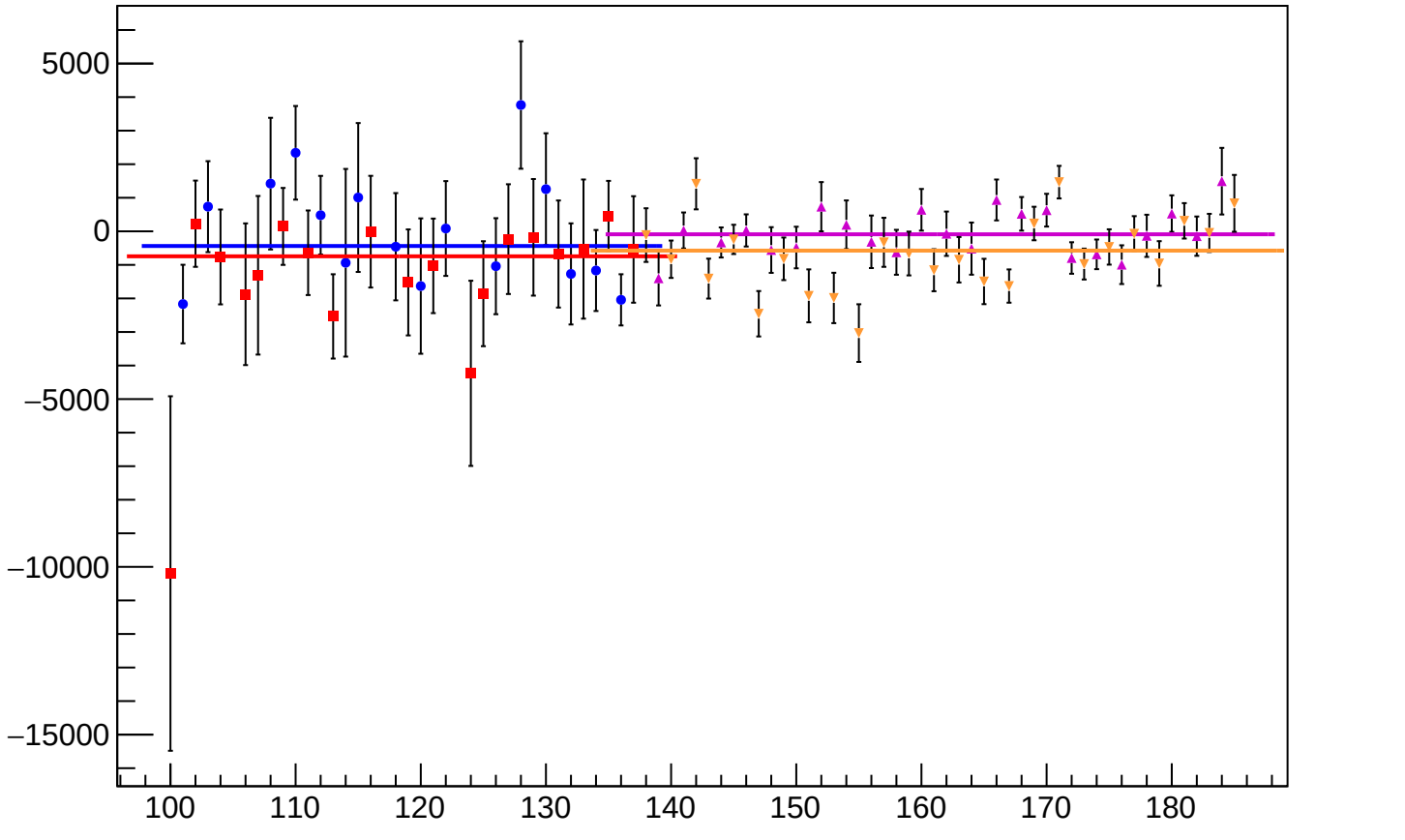
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

\+ sign 63.119+/-0.009 χ^2/NDF: 1218605.9/40

All: 63.504+/-0.006 χ^2/NDF: 2460921.9/82

\- 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: -574.811+/-119.736 χ^2/NDF:68.8/24

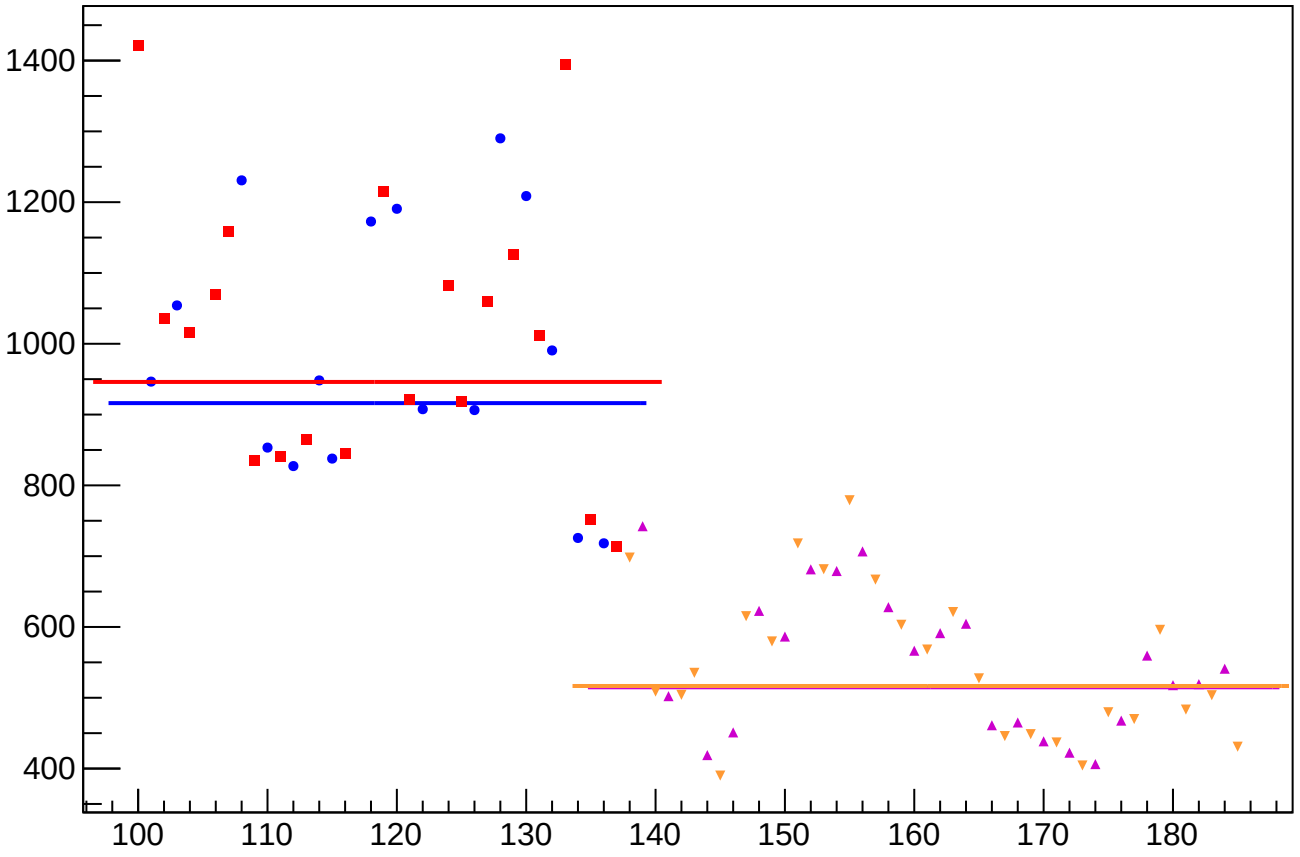
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -560.333+/-113.252 χ^2/NDF: 89.5/40

All: -363.864+/-80.947 χ^2/NDF: 134.2/82

- 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: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

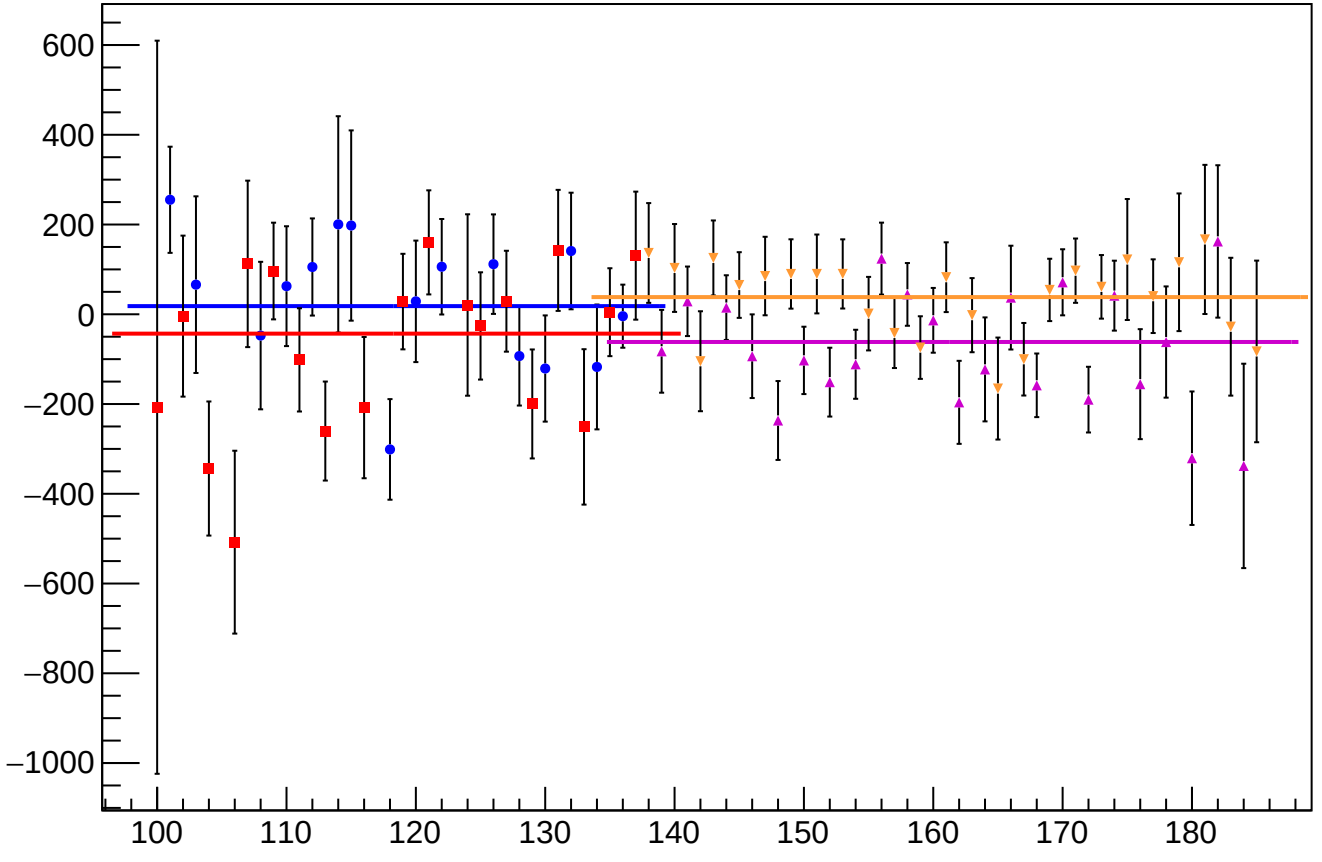
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

\+ sign 558.736+/-0.080 χ^2/NDF: 4120884.8/40

All: 559.854+/-0.057 χ^2/NDF: 8305487.3/82

\- 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: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

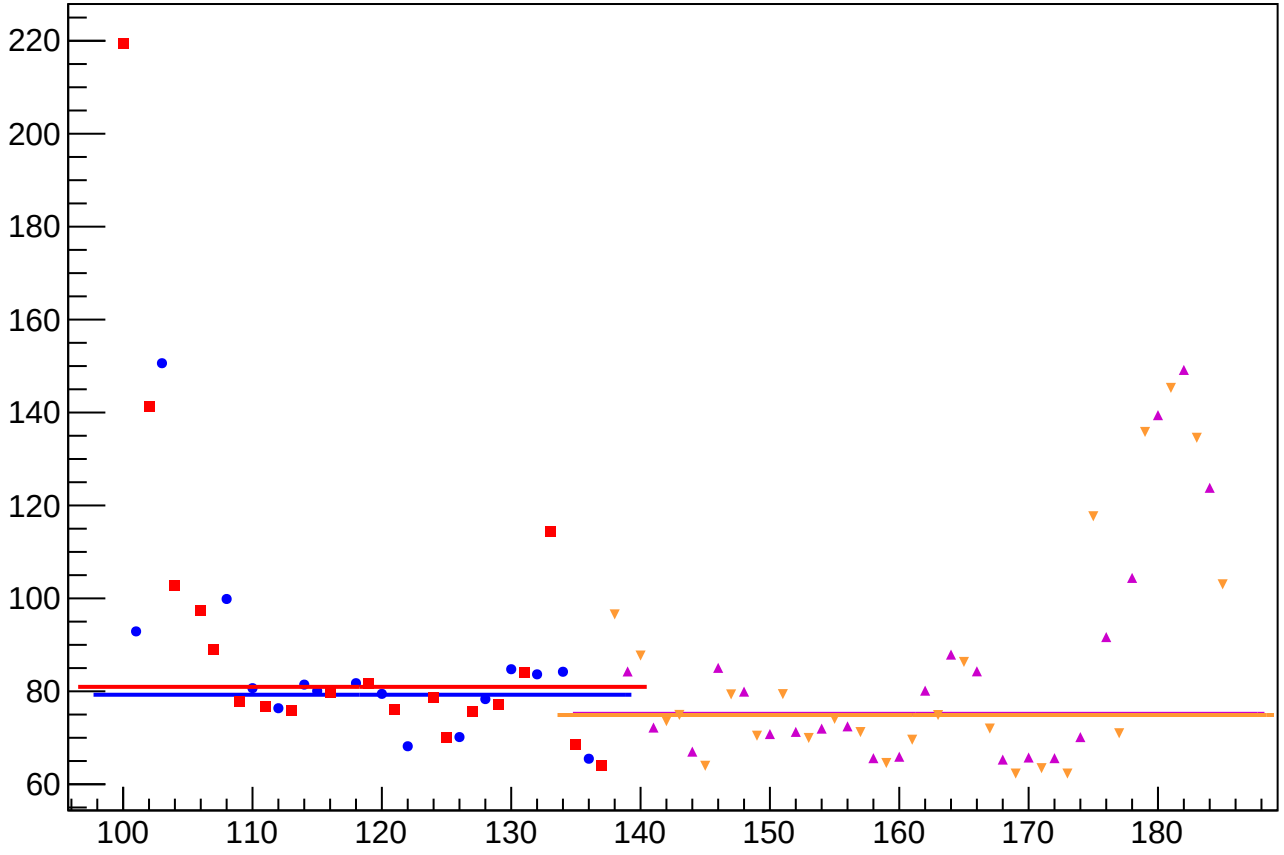
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.191+/-15.270 χ^2/NDF: 39.3/40

All: -10.742+/-10.930 χ^2/NDF: 121.0/82

- 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: 74.903+/-0.012 χ^2/NDF:1661552.1/24

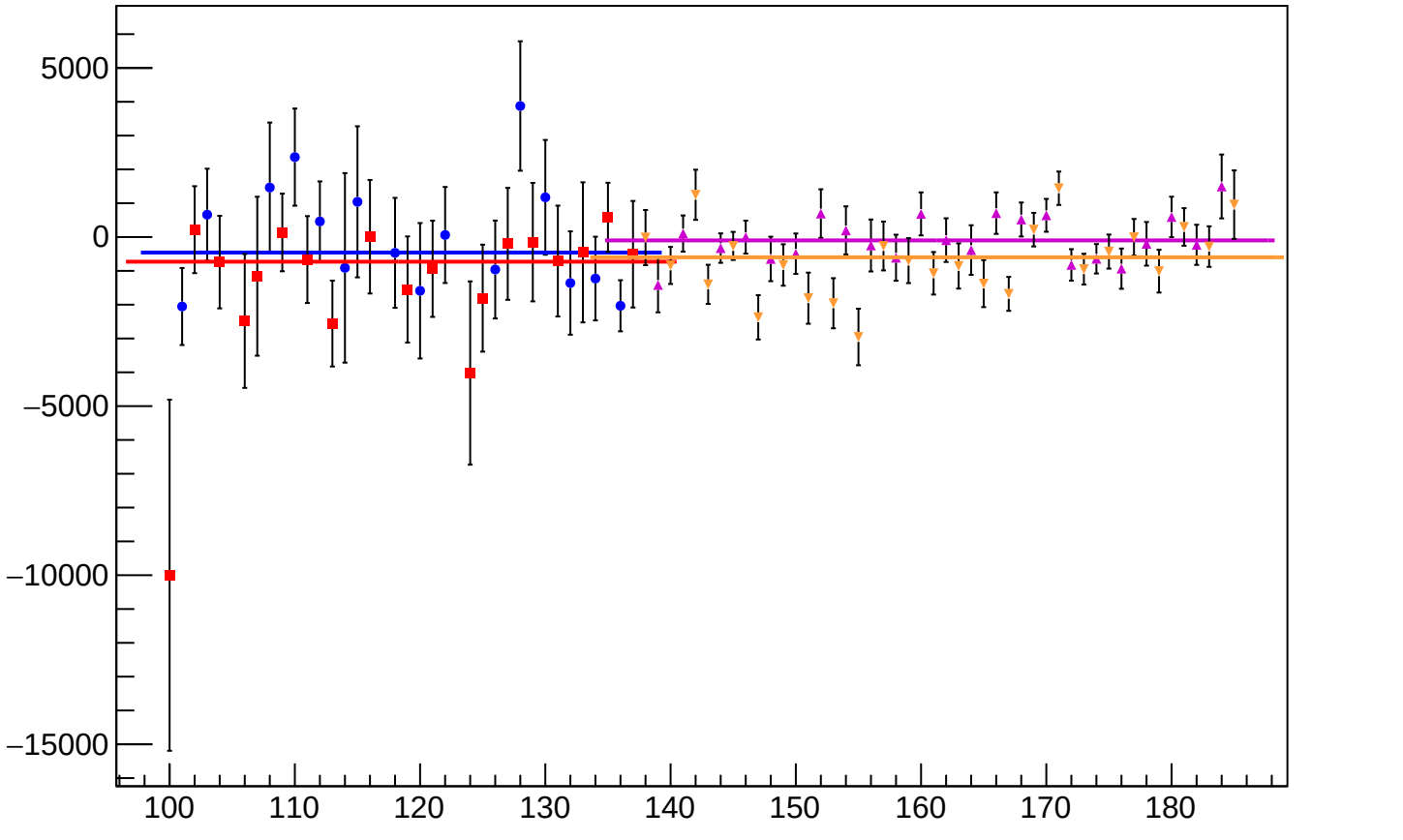
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 76.007+/-0.011 χ^2/NDF: 2137339.4/40

All: 76.327+/-0.008 χ^2/NDF: 4018732.4/82

- 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: -598.826+/-119.324 χ^2/NDF:65.0/24

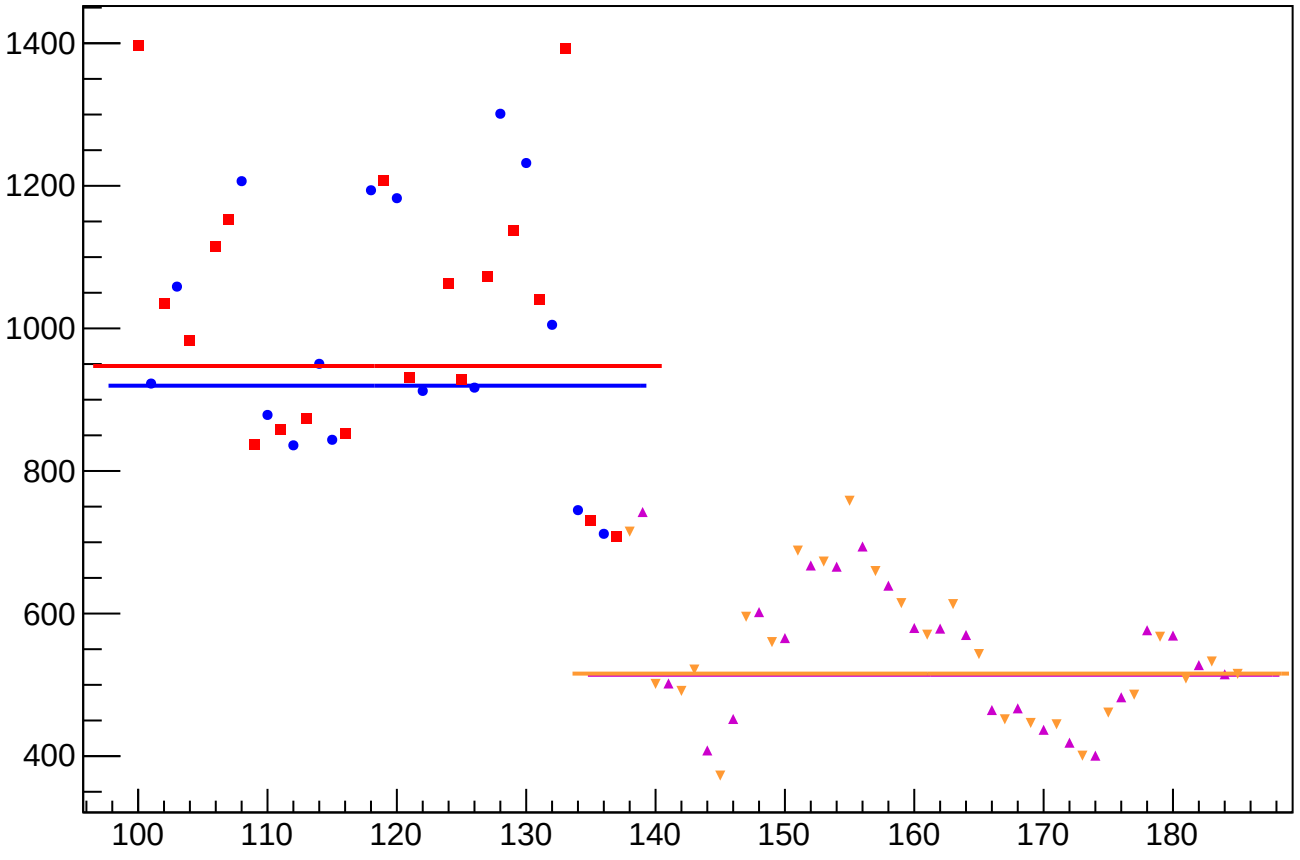
Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -584.179+/-112.943 χ^2/NDF: 85.5/40

All: -380.229+/-80.770 χ^2/NDF: 130.2/82

- 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: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

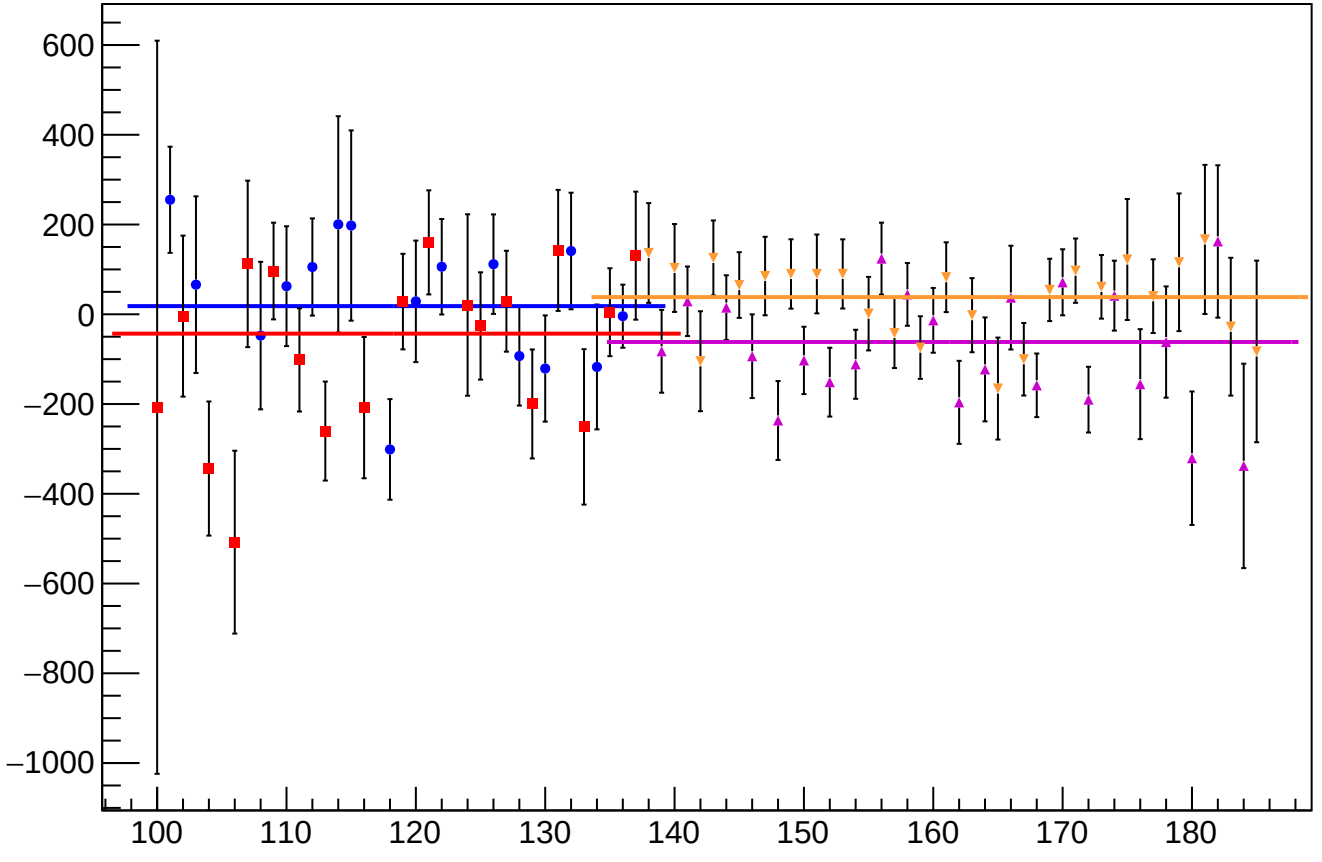
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 557.800+/-0.080 χ^2/NDF: 4132828.4/40

All: 559.178+/-0.057 χ^2/NDF: 8370668.3/82

- 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: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

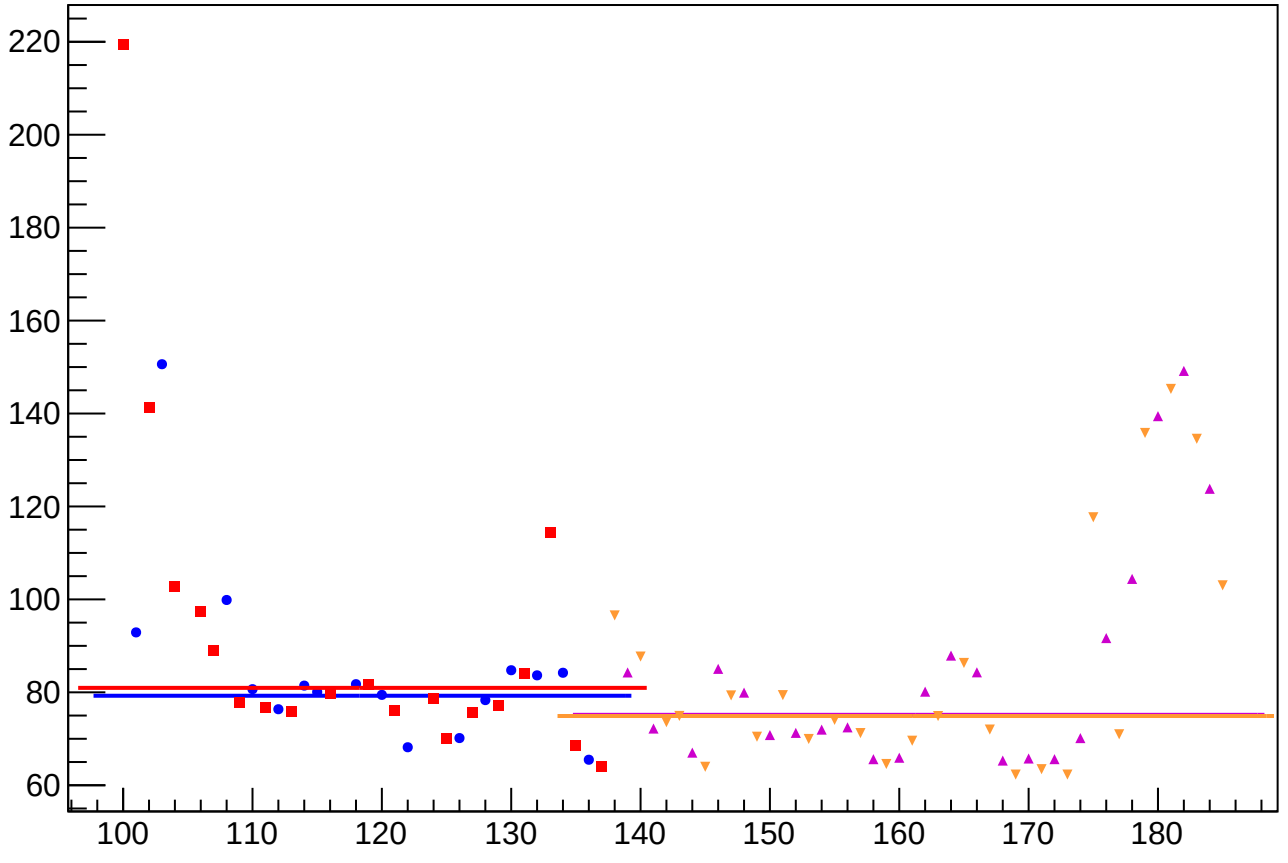
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.191+/-15.270 χ^2/NDF: 39.3/40

All: -10.741+/-10.930 χ^2/NDF: 121.0/82

- 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: 74.903+/-0.012 χ^2/NDF:1661550.3/24

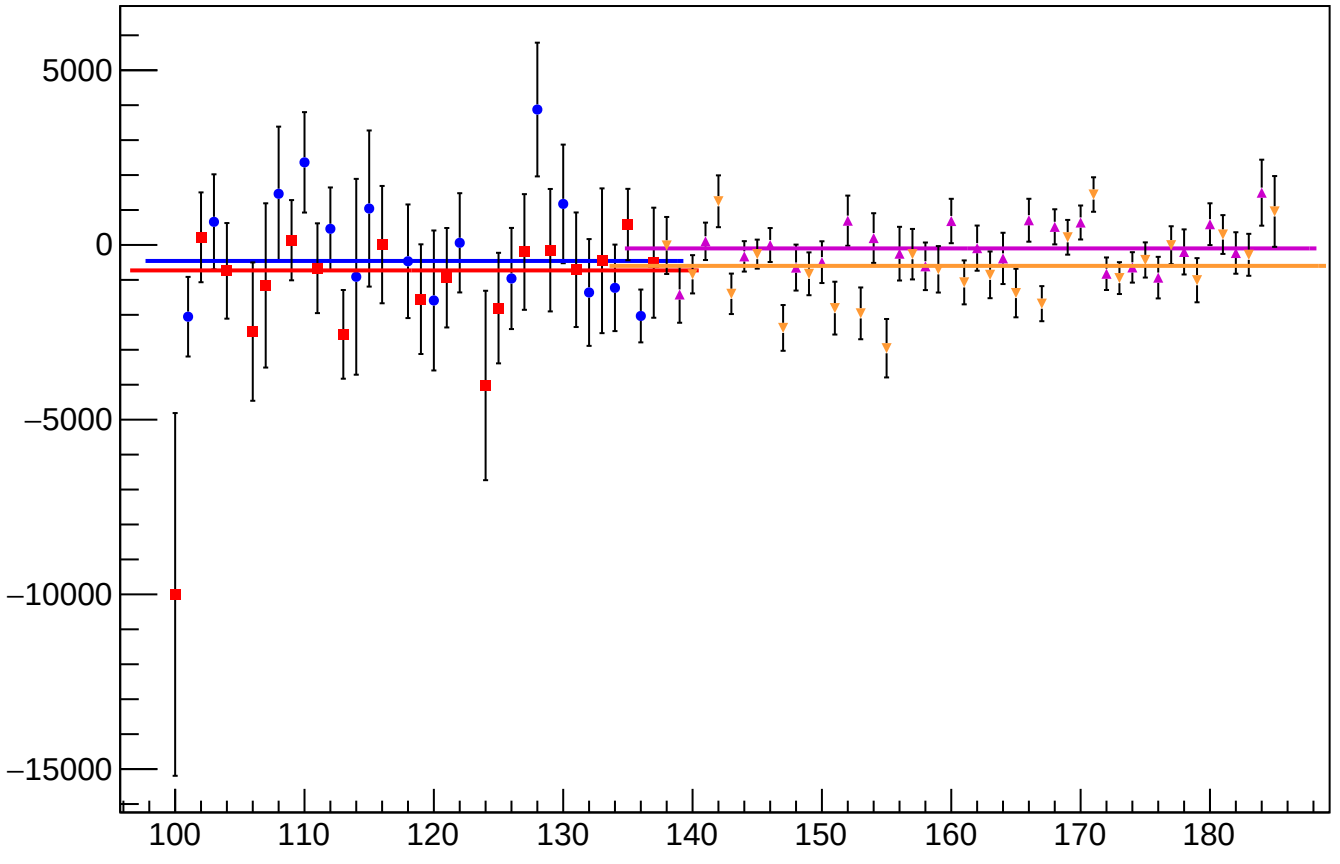
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 76.007+/-0.011 χ^2/NDF: 2137328.5/40

All: 76.327+/-0.008 χ^2/NDF: 4018707.2/82

- 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: -598.825+/-119.324 χ^2/NDF:65.0/24

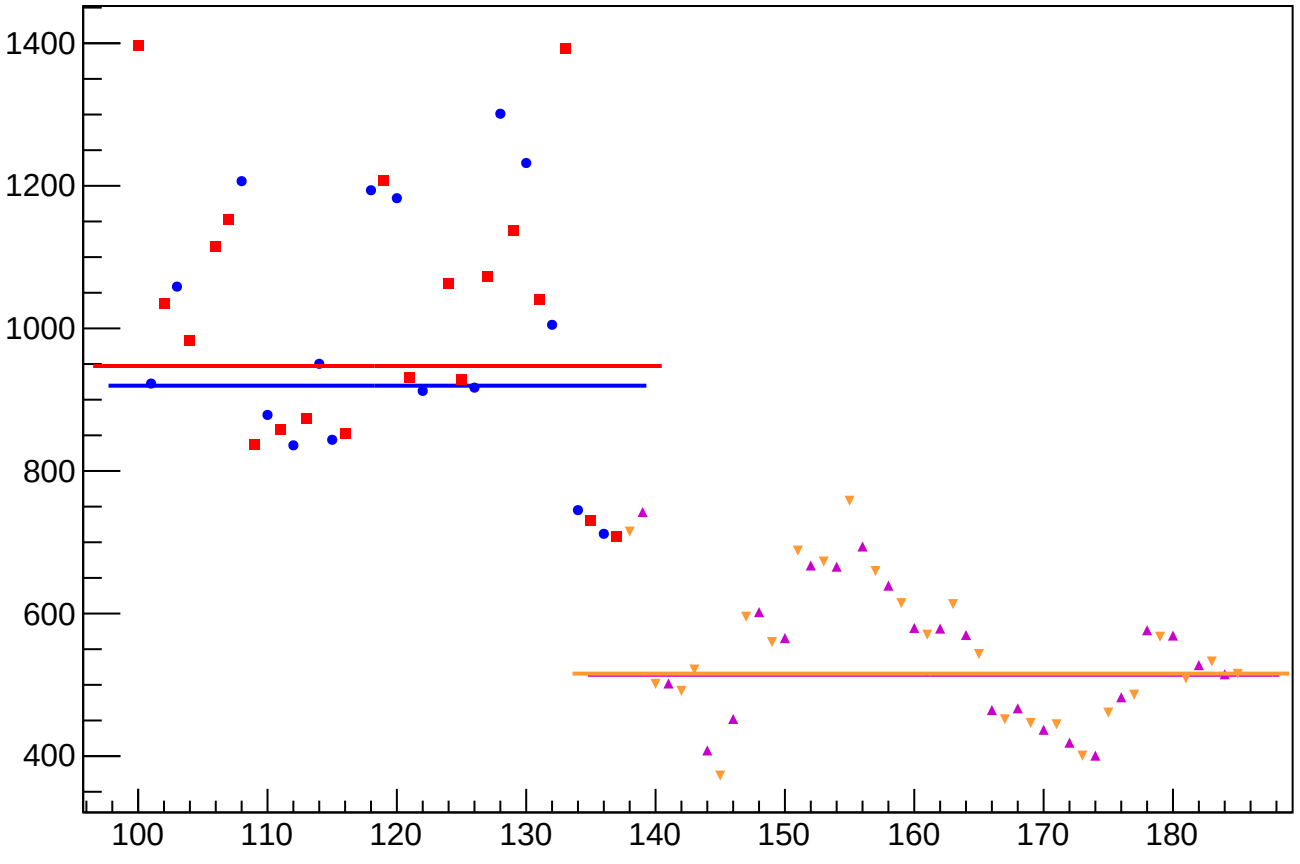
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -584.178+/-112.943 χ^2/NDF: 85.5/40

All: -380.228+/-80.770 χ^2/NDF: 130.2/82

- 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: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

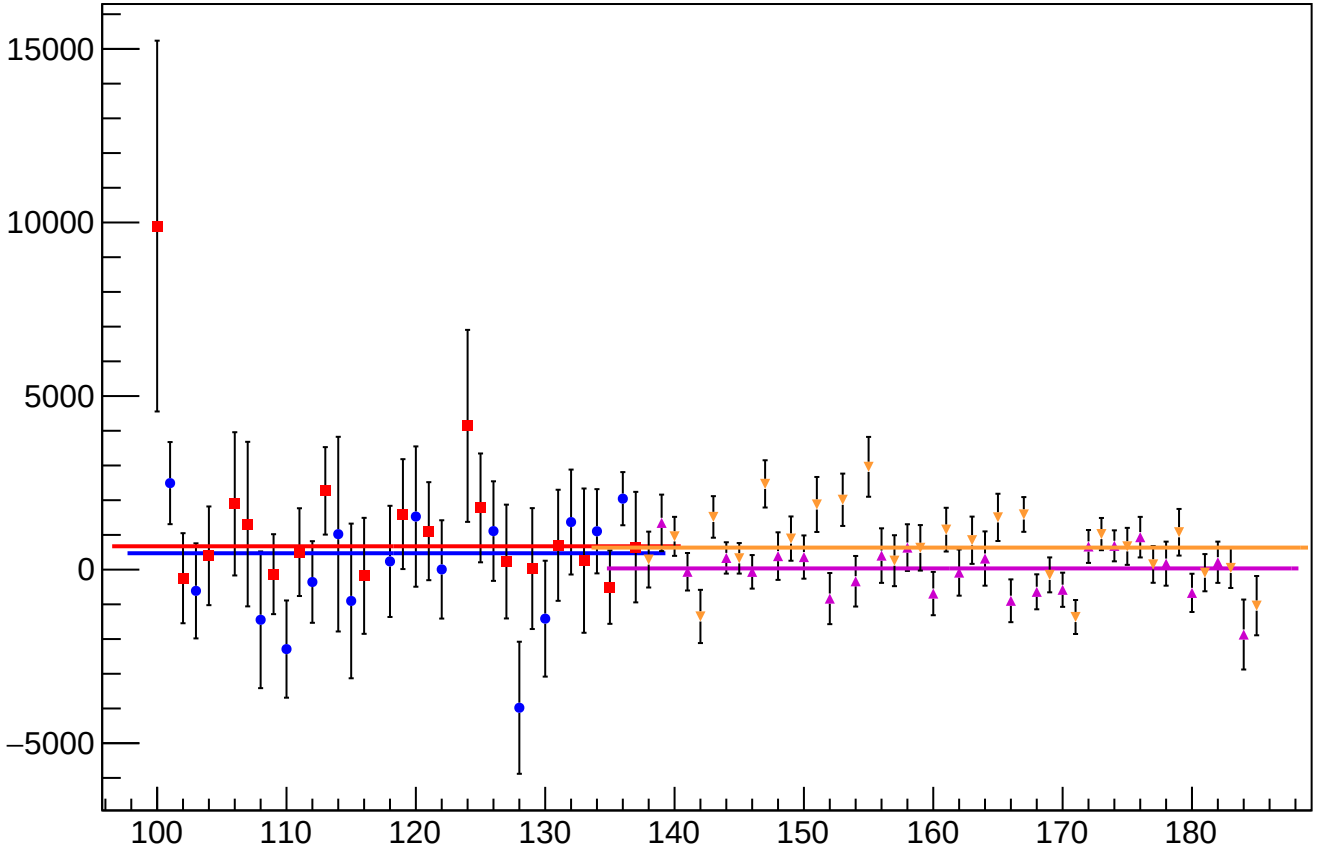
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

\+ sign 557.799+/-0.080 χ^2/NDF: 4132828.6/40

All: 559.177+/-0.057 χ^2/NDF: 8370663.3/82

\- 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: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

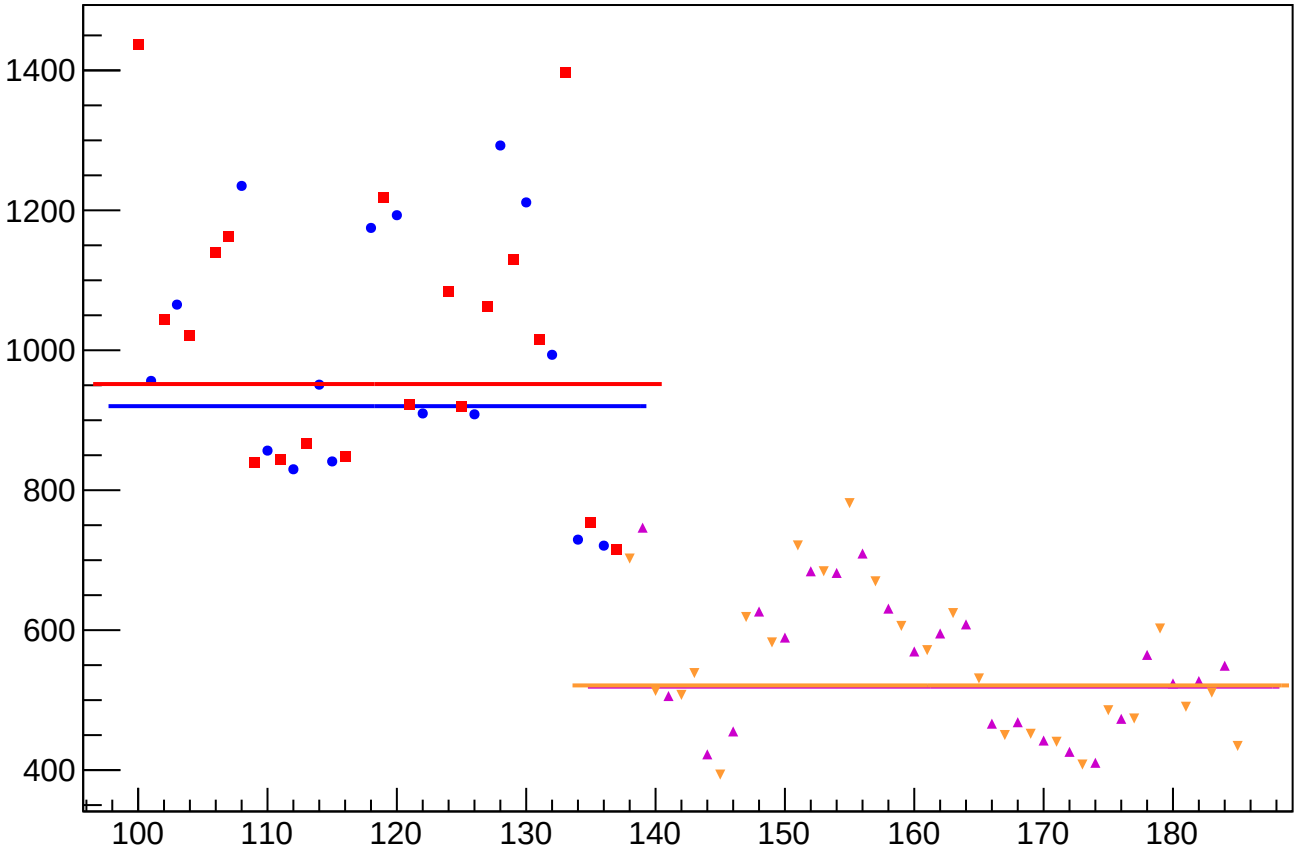
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 617.512+/-114.133 χ^2/NDF: 86.2/40

All: 366.259+/-81.576 χ^2/NDF: 134.4/82

- 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: 521.025+/-0.085 χ^2/NDF:1243003.9/24

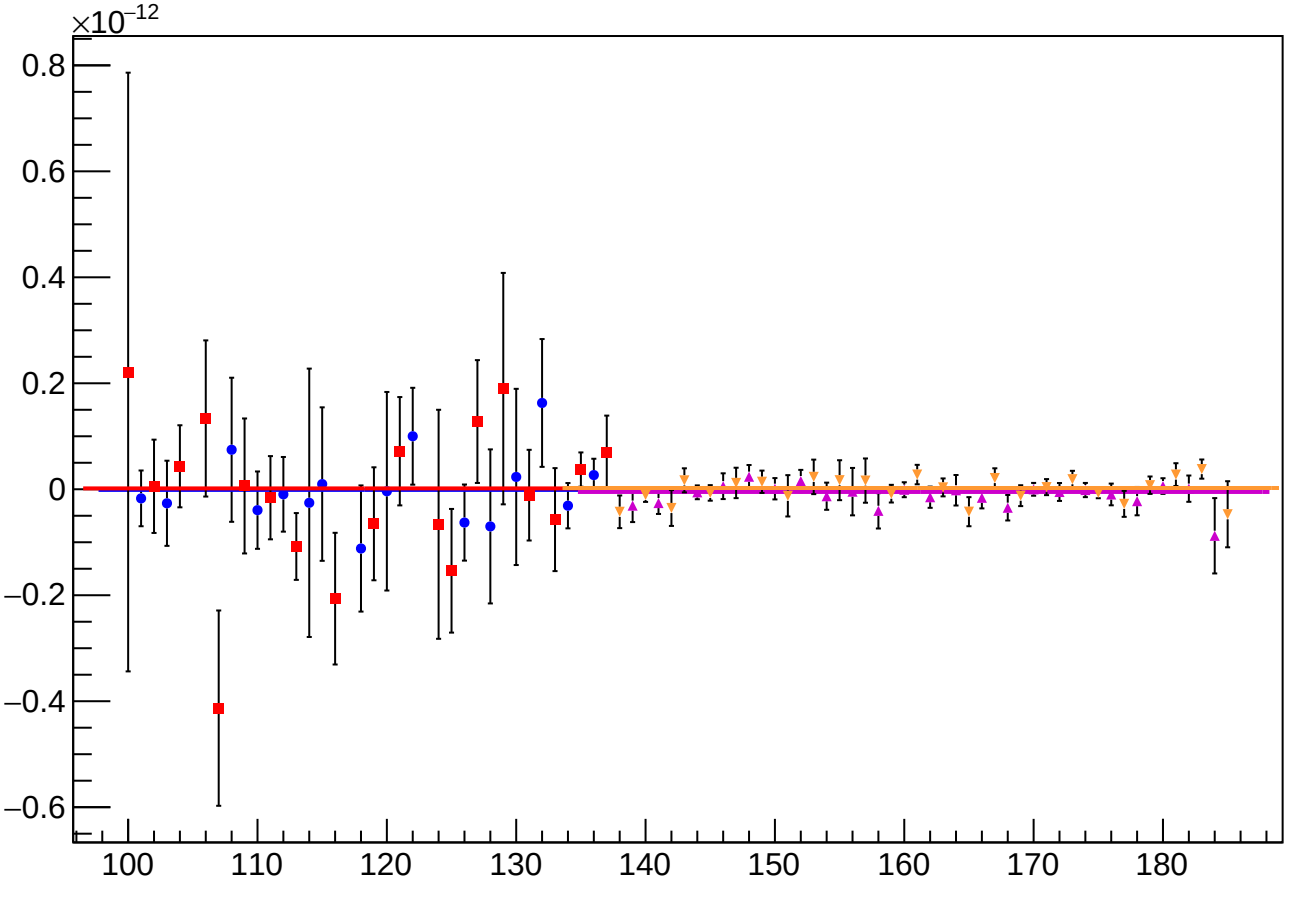
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 563.373+/-0.081 χ^2/NDF: 4071269.7/40

All: 564.686+/-0.058 χ^2/NDF: 8242814.1/82

- 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:22.4/24

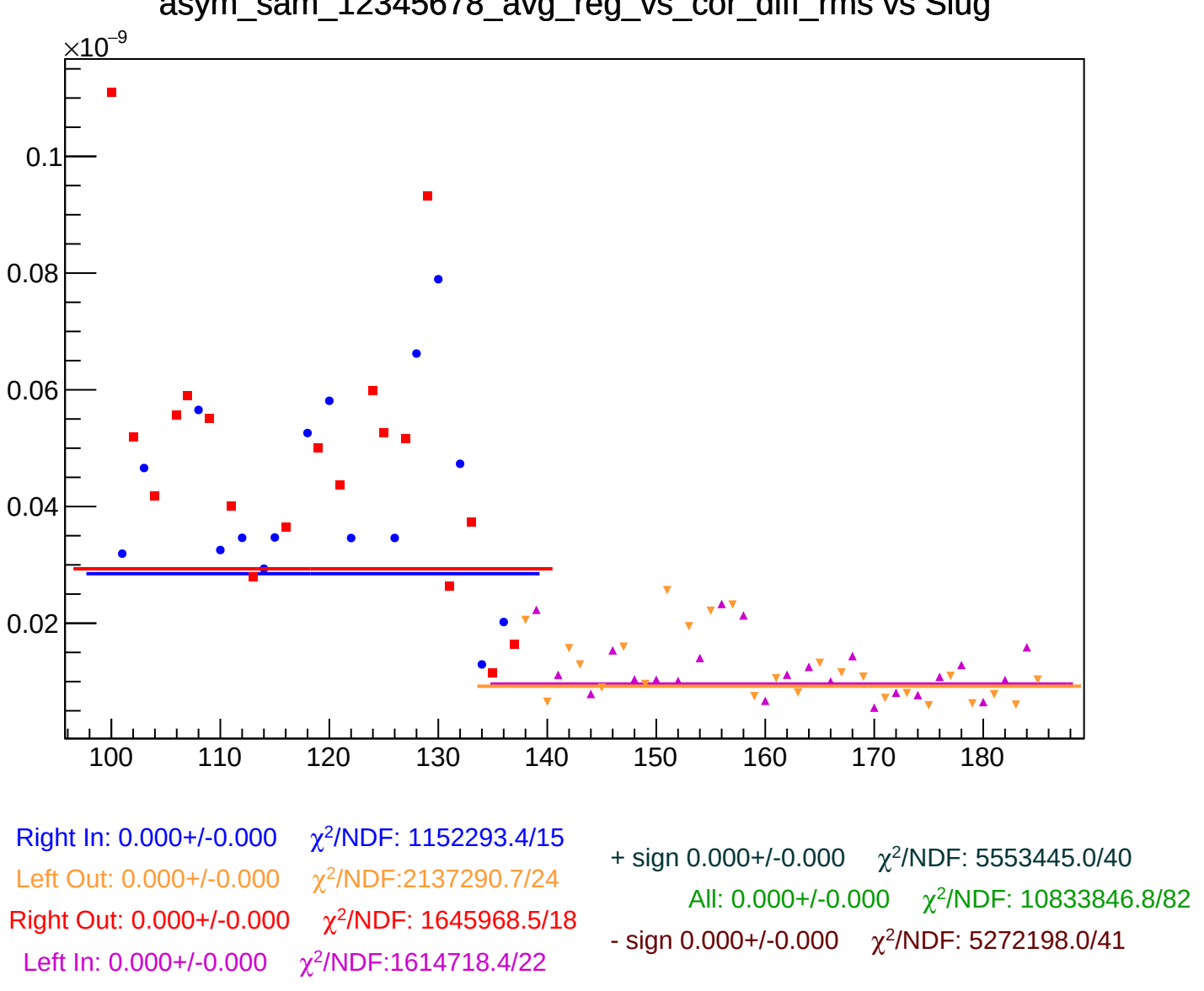
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

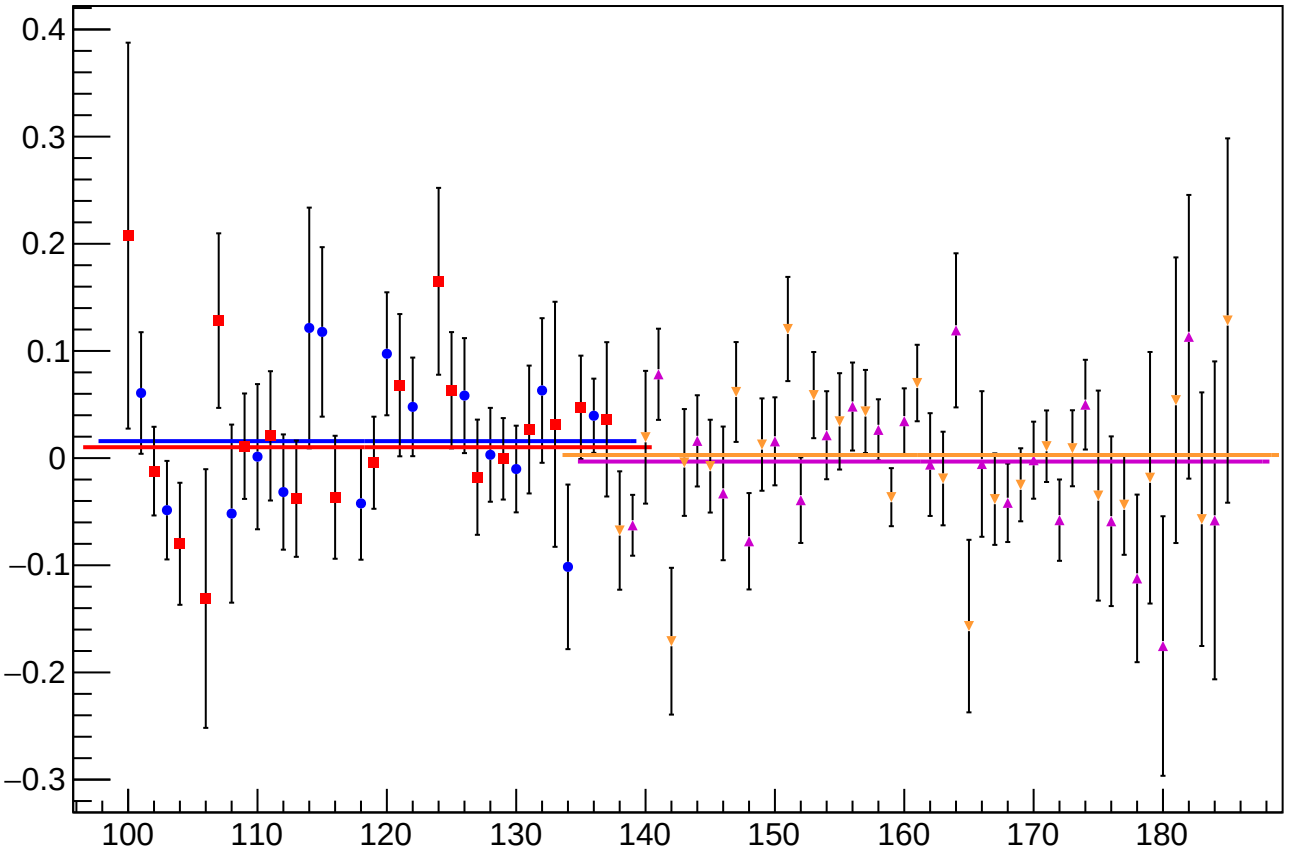
Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/40

All: -0.000+/-0.000 χ^2/NDF: 61.4/82

- 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:2137290.7/24
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: 5553445.0/40
All: 0.000+/-0.000 χ²/NDF: 10833846.8/82
- 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:32.9/24

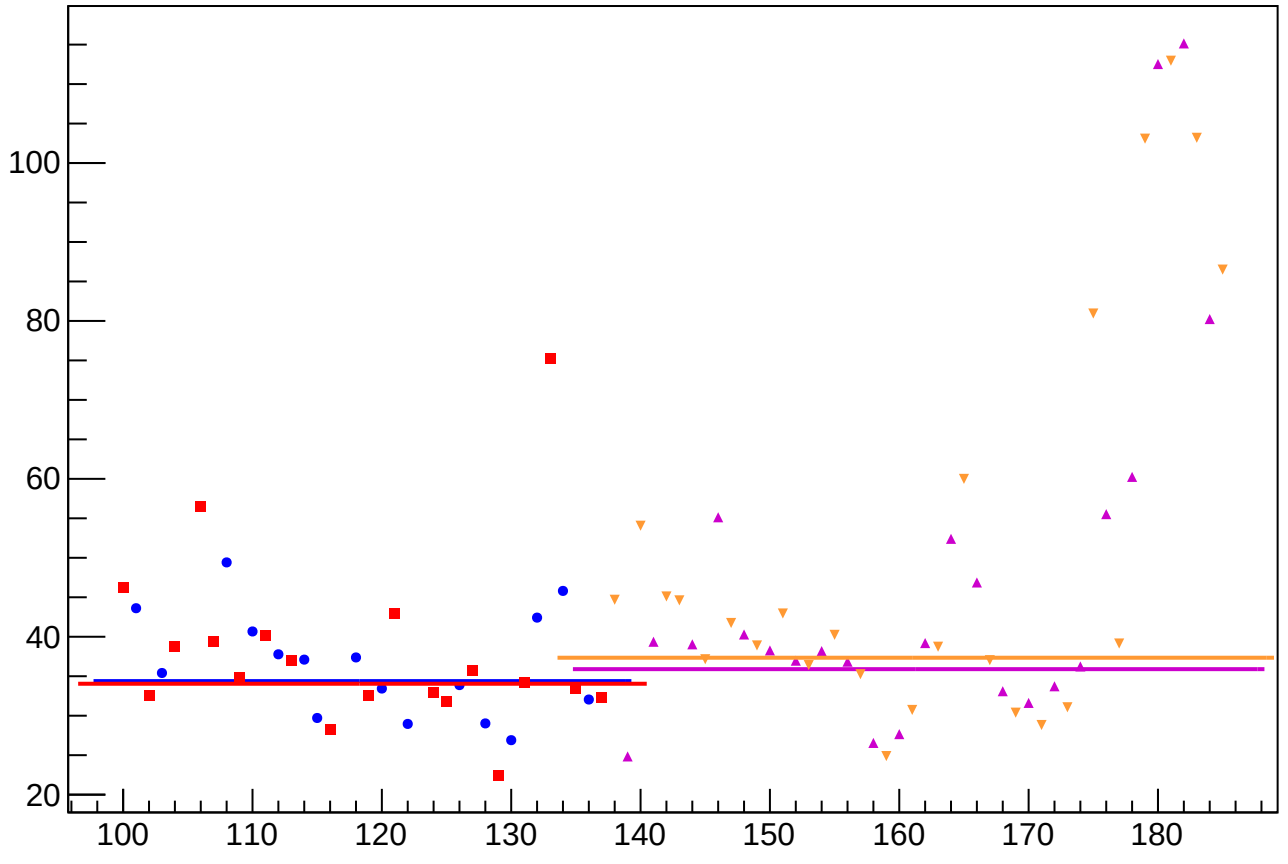
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 48.3/40

All: 0.004+/-0.005 χ^2/NDF: 94.2/82

- 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: 37.344+/-0.007 χ^2/NDF:3696647.0/24

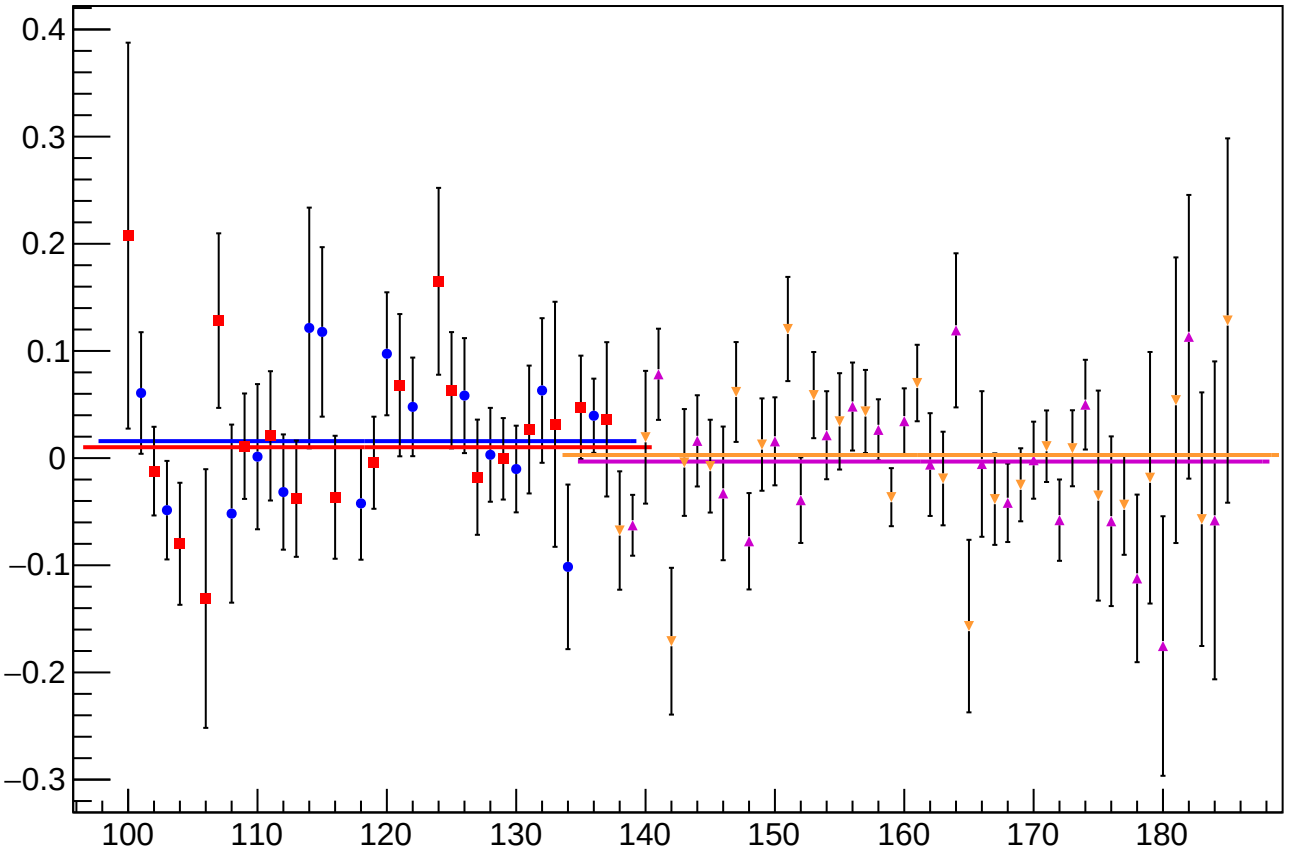
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.386+/-0.005 χ^2/NDF: 4130707.8/40

All: 35.834+/-0.004 χ^2/NDF: 7958902.2/82

- 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:32.9/24

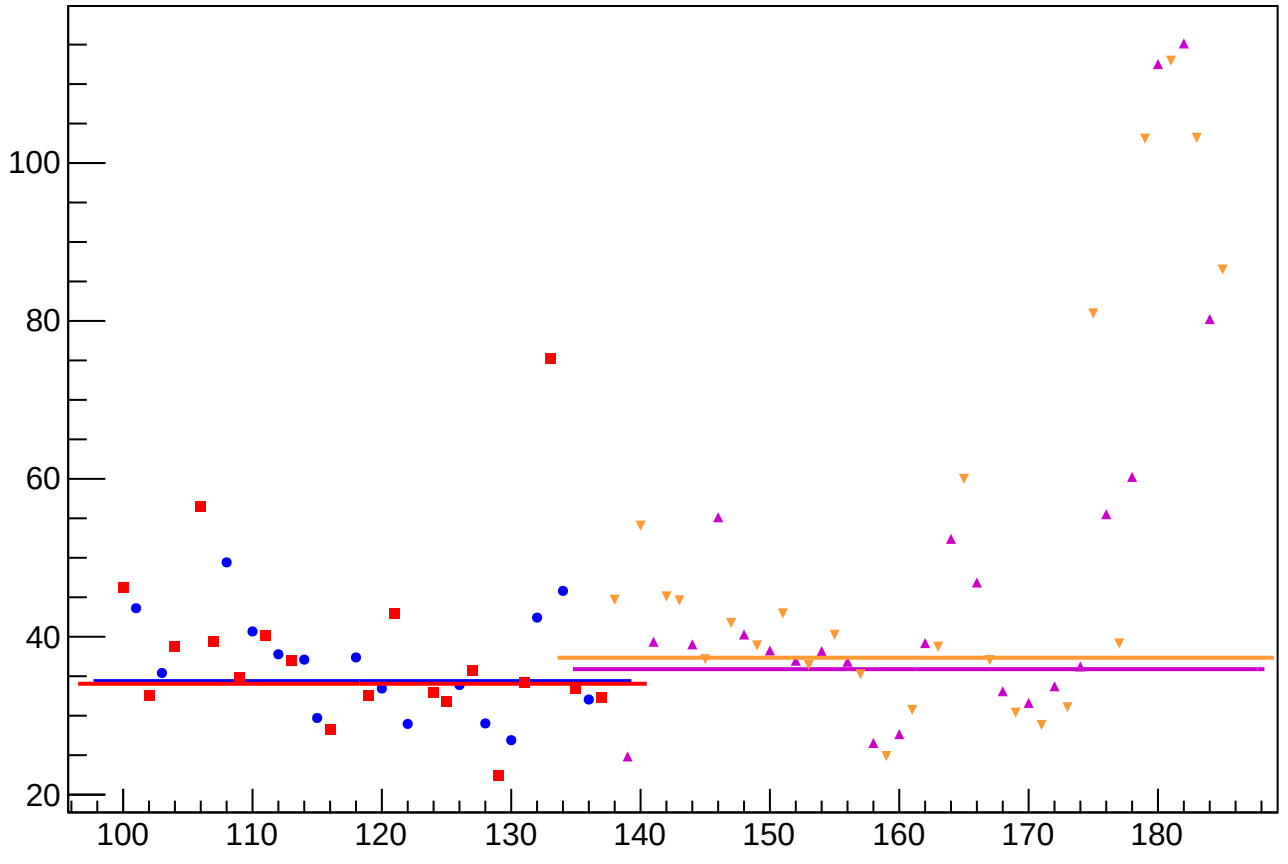
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 48.3/40

All: 0.004+/-0.005 χ^2/NDF: 94.2/82

- 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: 37.344+/-0.007 χ^2/NDF:3696647.0/24

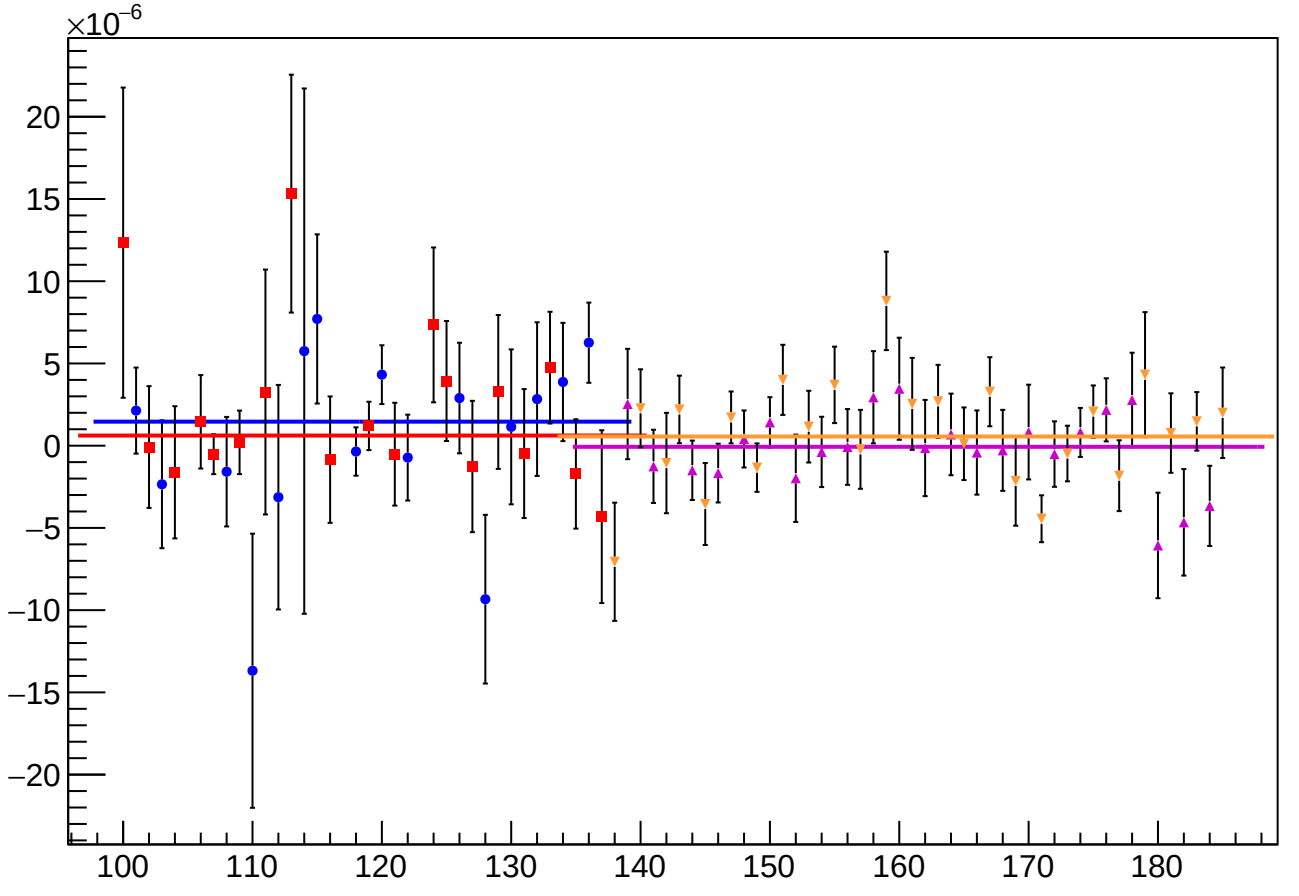
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.386+/-0.005 χ^2/NDF: 4130707.8/40

All: 35.834+/-0.004 χ^2/NDF: 7958902.2/82

- 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:43.5/24

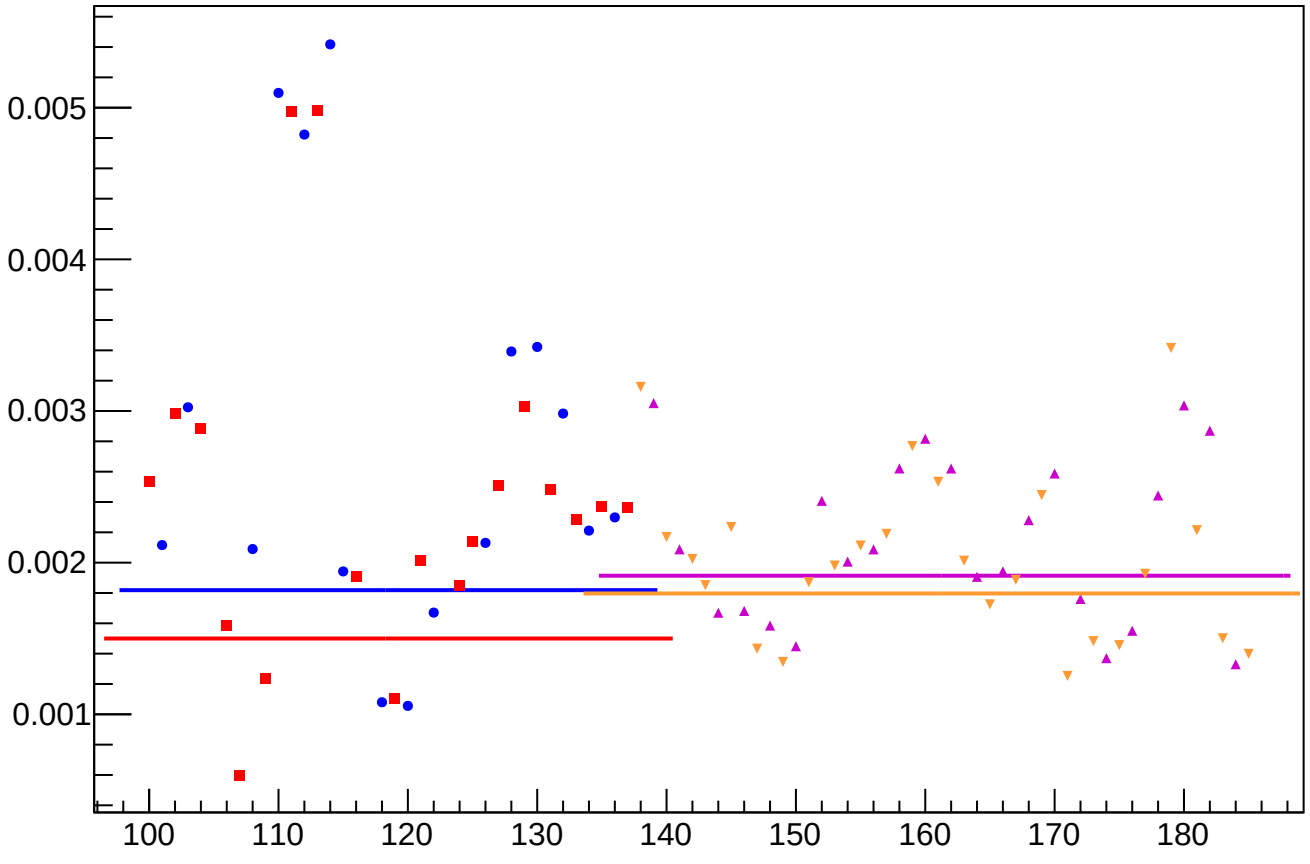
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.6/40

All: 0.000+/-0.000 χ^2/NDF: 98.6/82

- 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:2279340.7/24

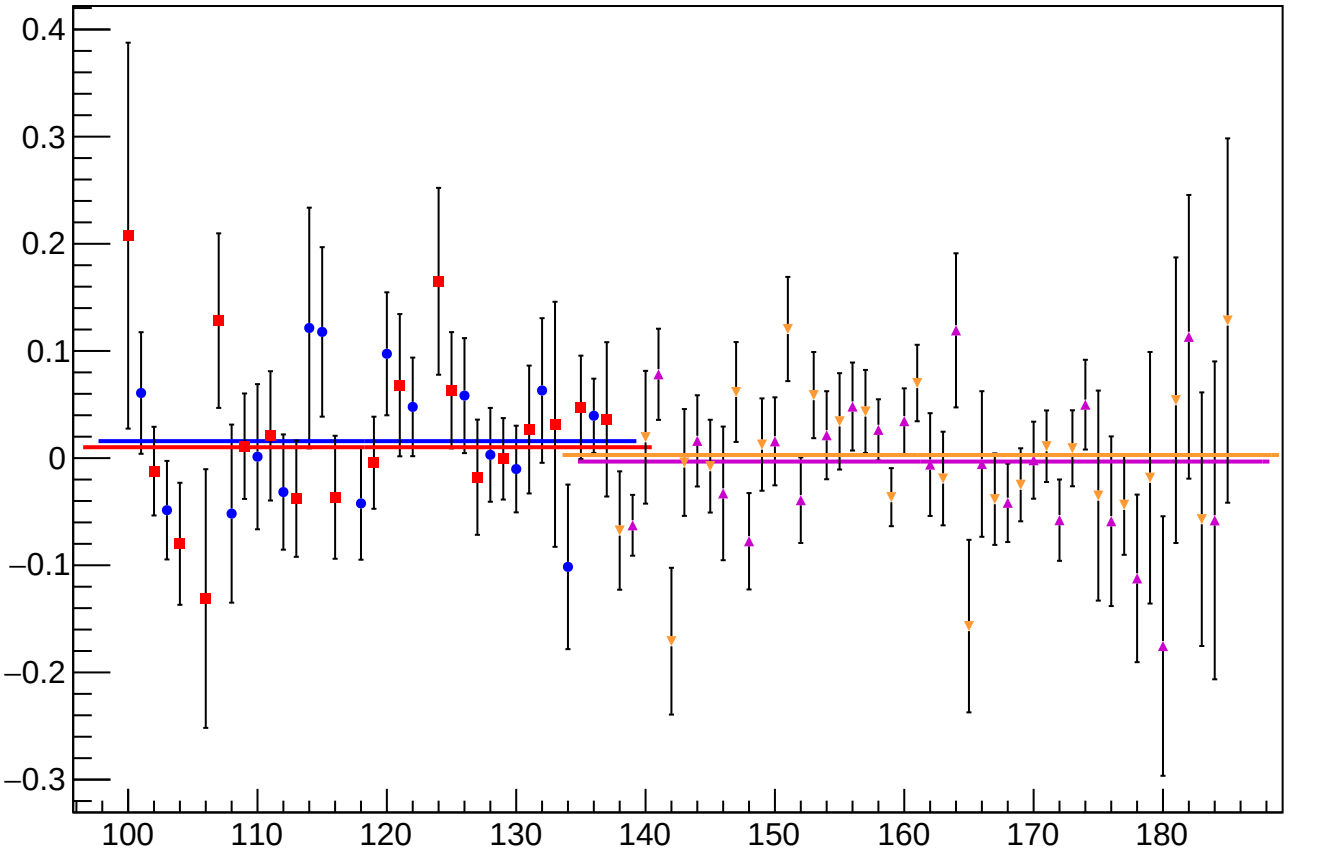
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 4850875.1/40

All: 0.002+/-0.000 χ^2/NDF: 11259068.5/82

- 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:32.9/24

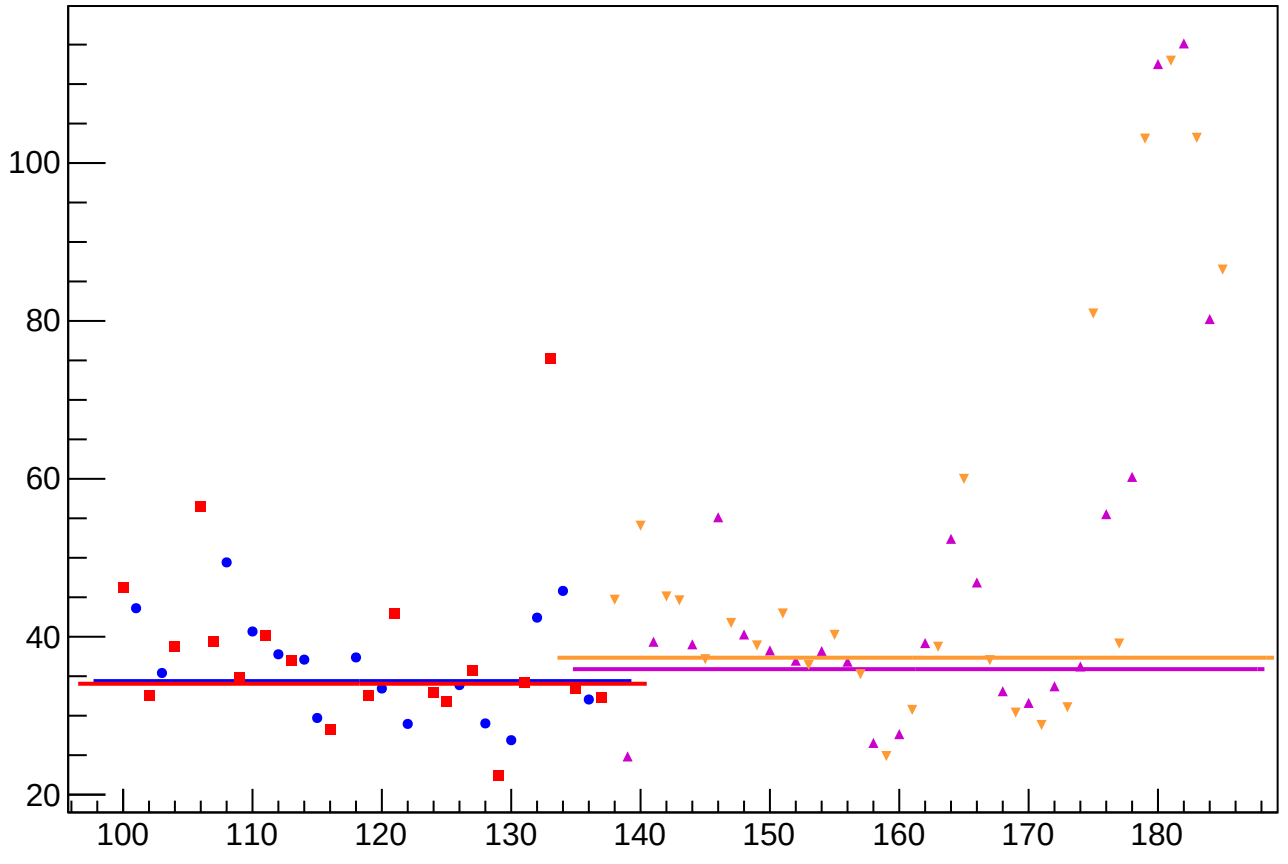
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 48.3/40

All: 0.004+/-0.005 χ^2/NDF: 94.2/82

- 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: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

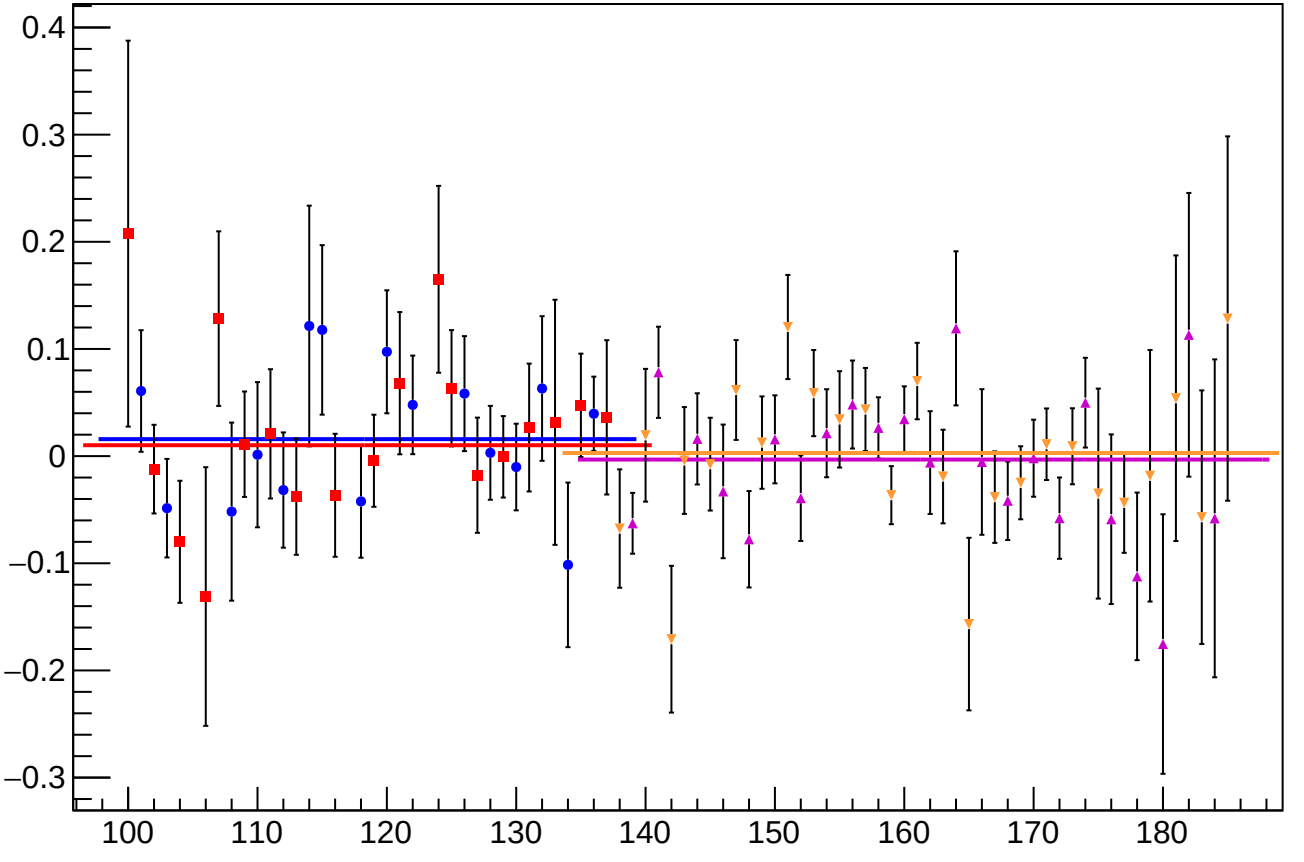
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.386+/-0.005 χ^2/NDF: 4130859.4/40

All: 35.834+/-0.004 χ^2/NDF: 7959131.8/82

- sign 35.296+/-0.005 χ^2/NDF: 3807531.3/41

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

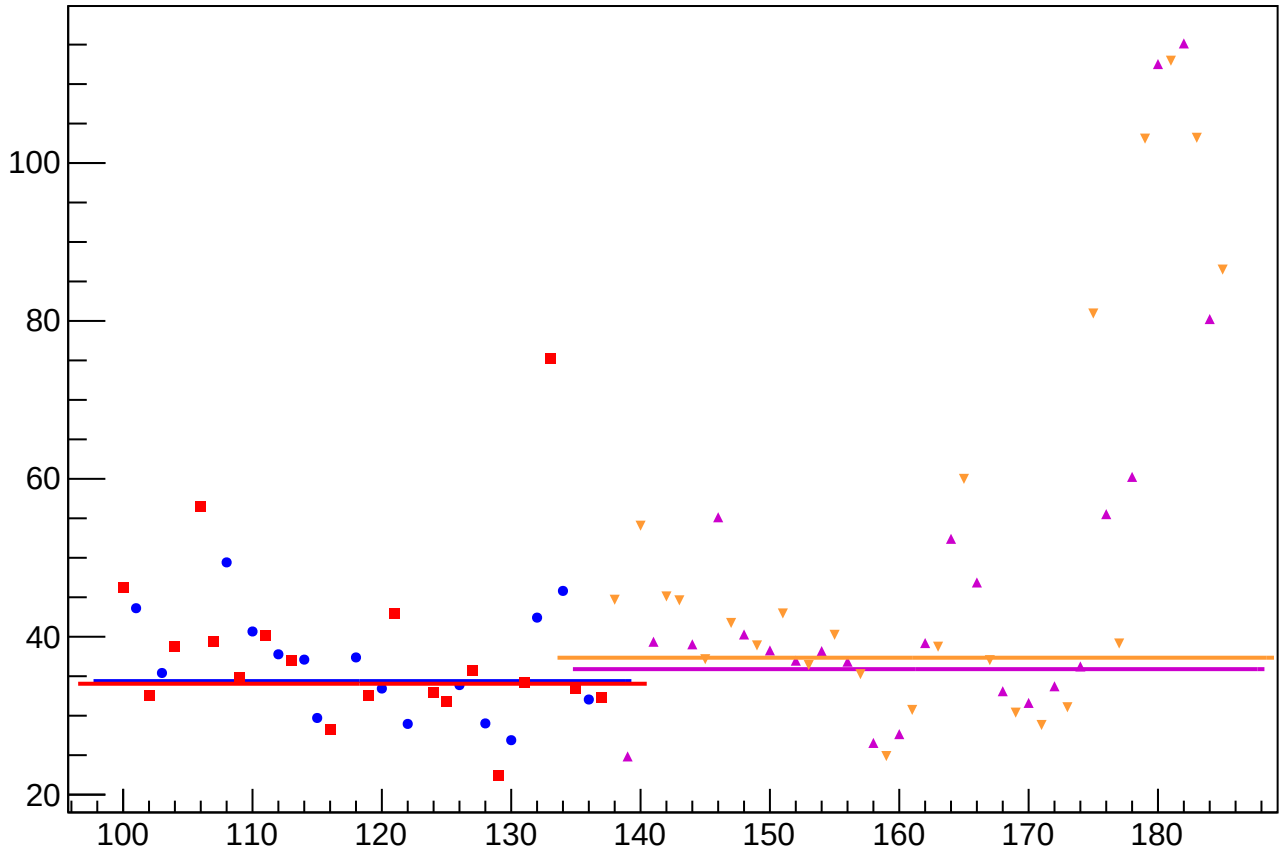
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.008 χ^2/NDF: 48.3/40

All: 0.004+/-0.005 χ^2/NDF: 94.2/82

- 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: 37.344+/-0.007 χ^2/NDF:3696697.3/24

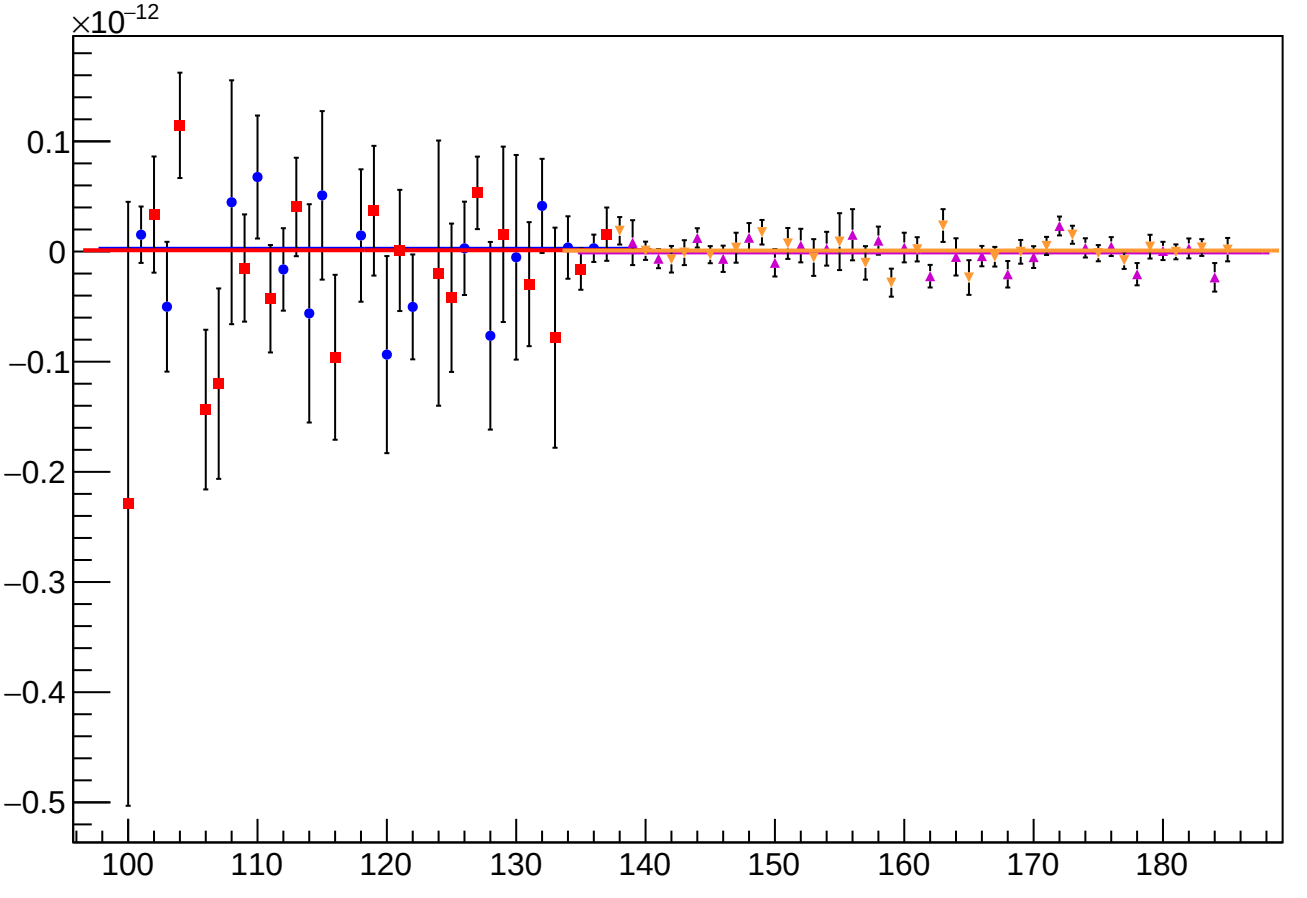
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.386+/-0.005 χ^2/NDF: 4130859.4/40

All: 35.834+/-0.004 χ^2/NDF: 7959131.8/82

- 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:21.4/24

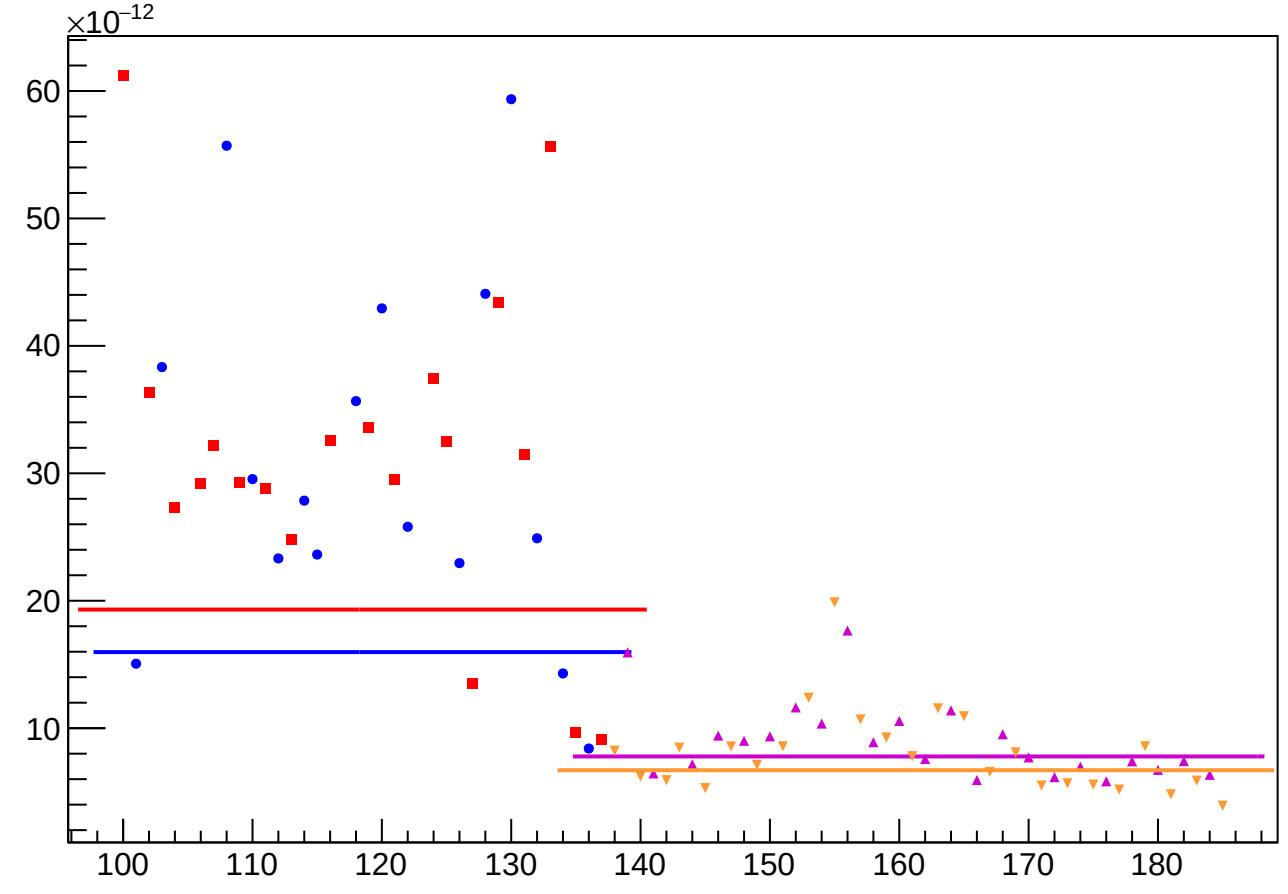
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/40

All: 0.000+/-0.000 χ^2/NDF: 80.2/82

- 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:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

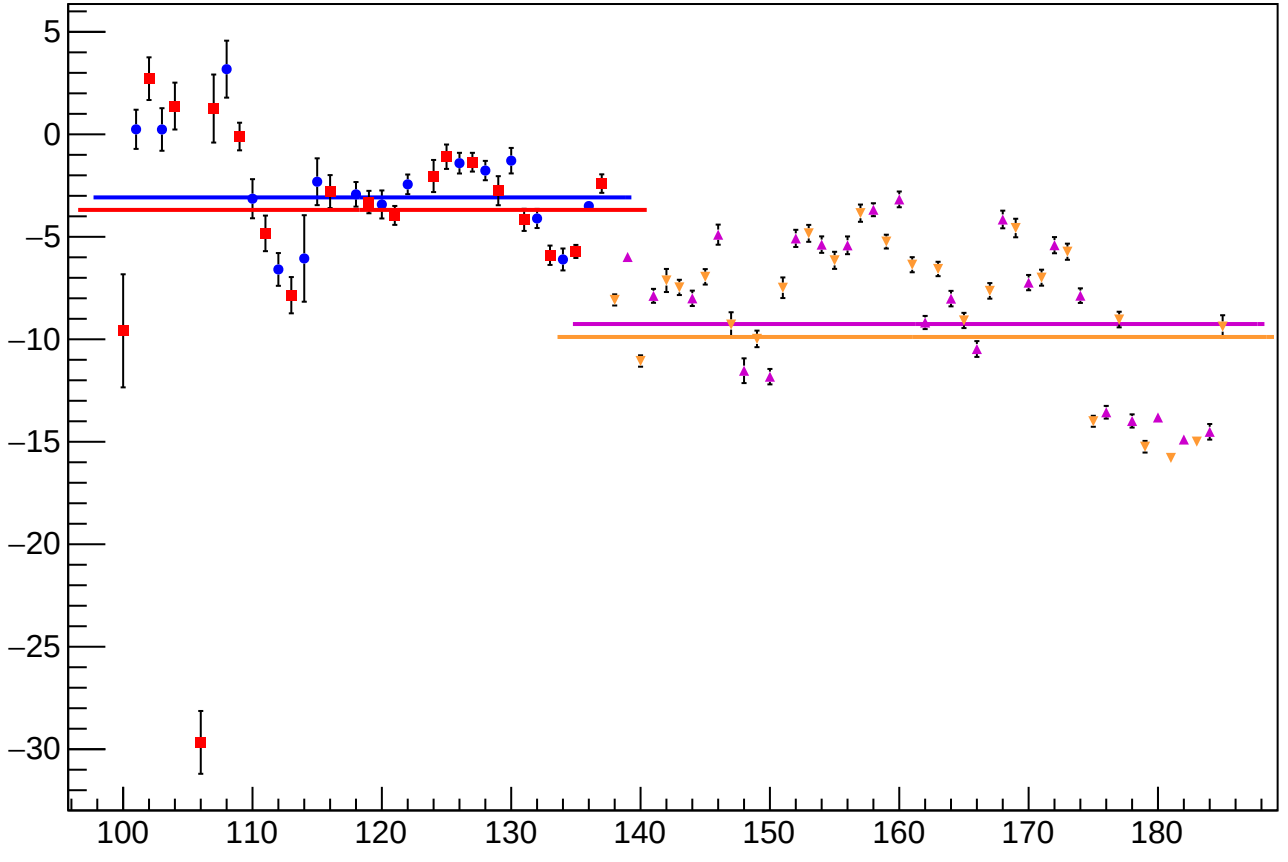
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7159266.2/40

All: 0.000+/-0.000 χ^2/NDF: 13915959.5/82

- 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: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

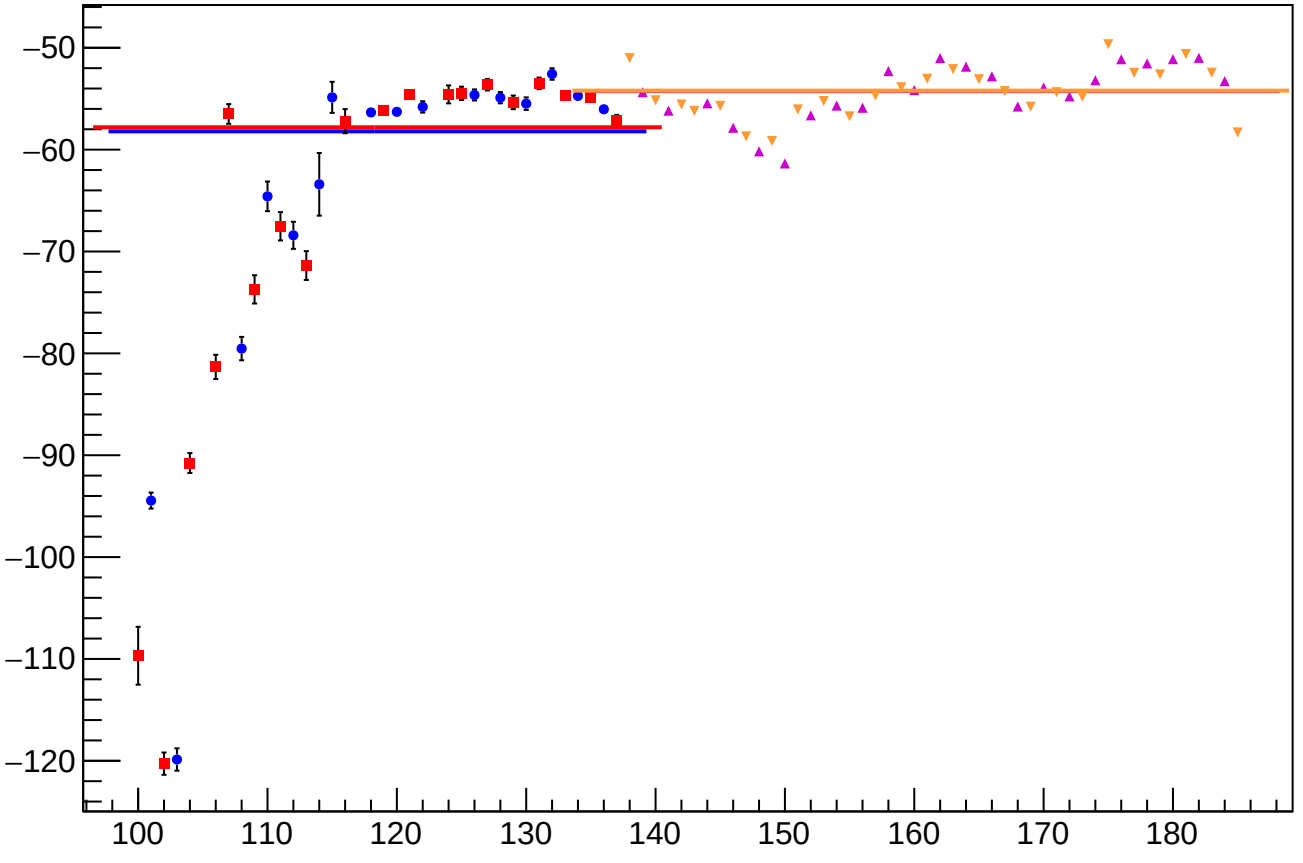
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.463+/-0.062 χ^2/NDF: 5346.2/40

All: -8.288+/-0.044 χ^2/NDF: 10215.8/82

- 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: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

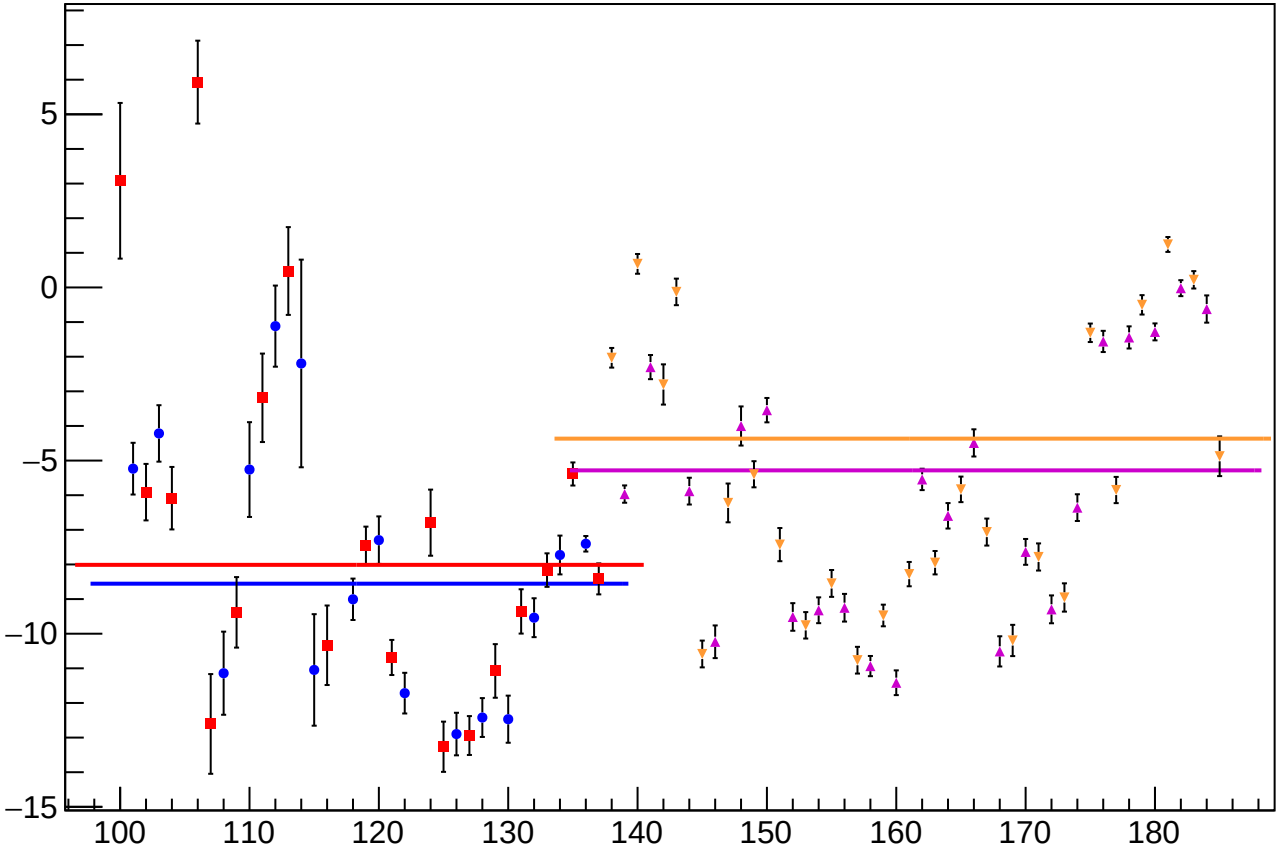
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.786+/-0.052 χ^2/NDF: 8728.1/40

All: -54.789+/-0.037 χ^2/NDF: 17568.0/82

- 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: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

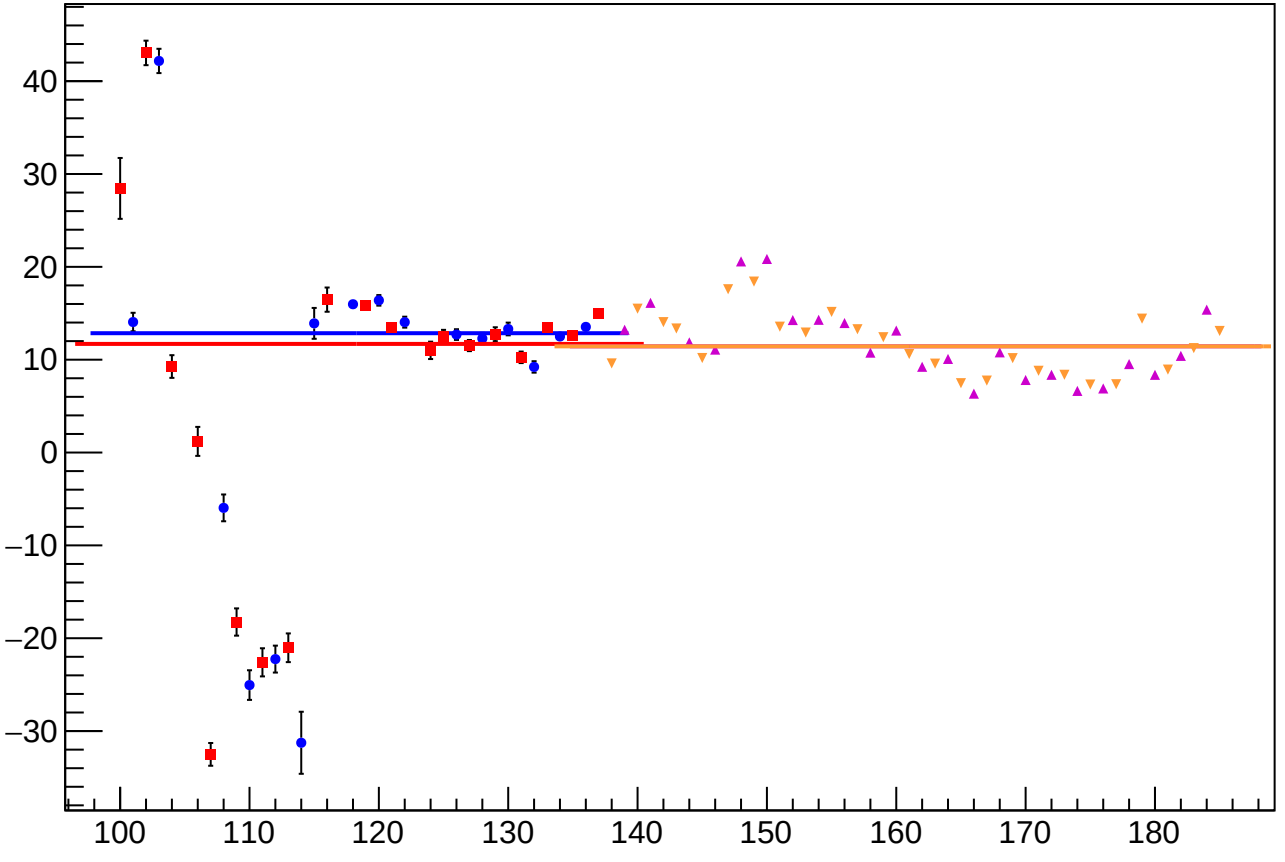
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.147+/-0.062 χ^2/NDF: 4683.8/40

All: -5.447+/-0.045 χ^2/NDF: 8232.9/82

- 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: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

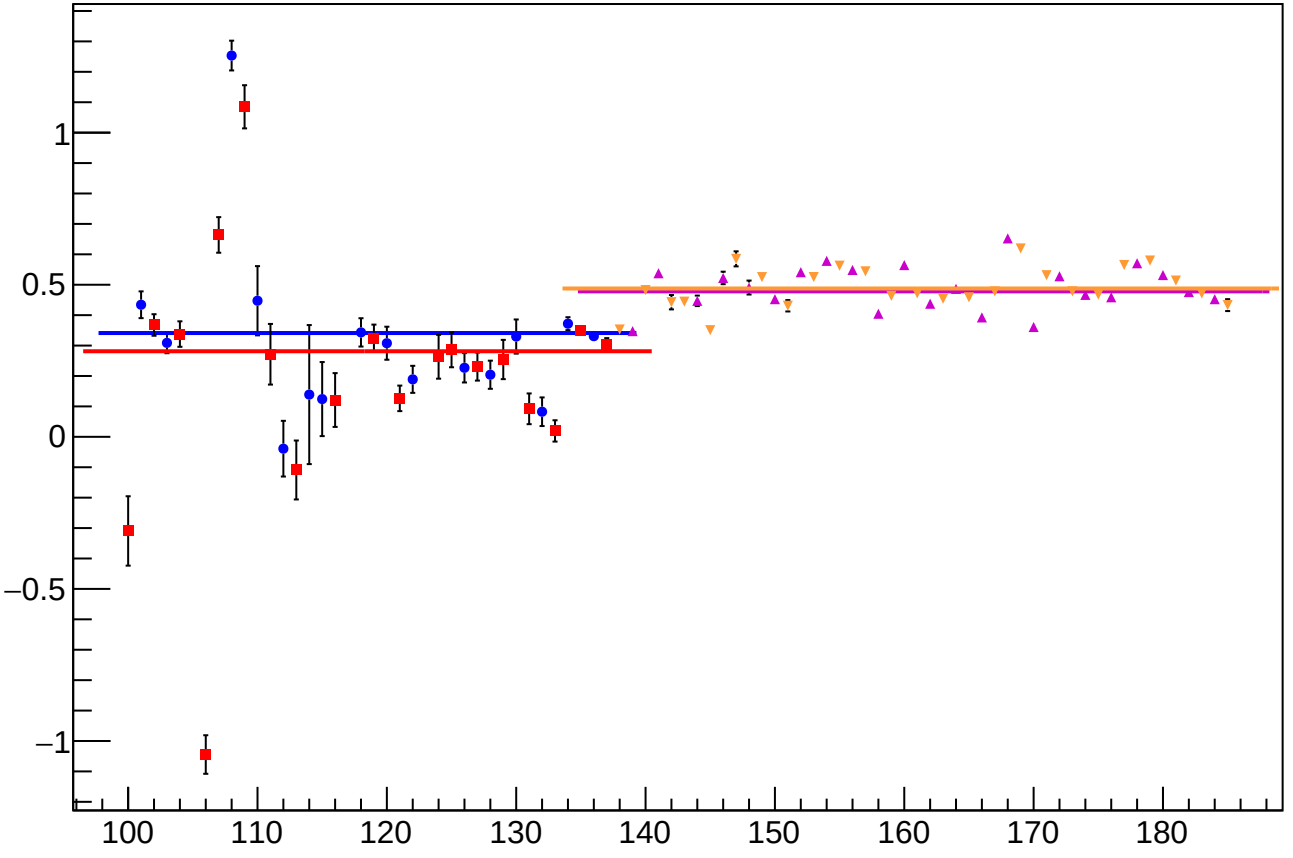
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.643+/-0.057 χ^2/NDF: 4639.8/40

All: 11.564+/-0.041 χ^2/NDF: 11503.4/82

\- 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: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

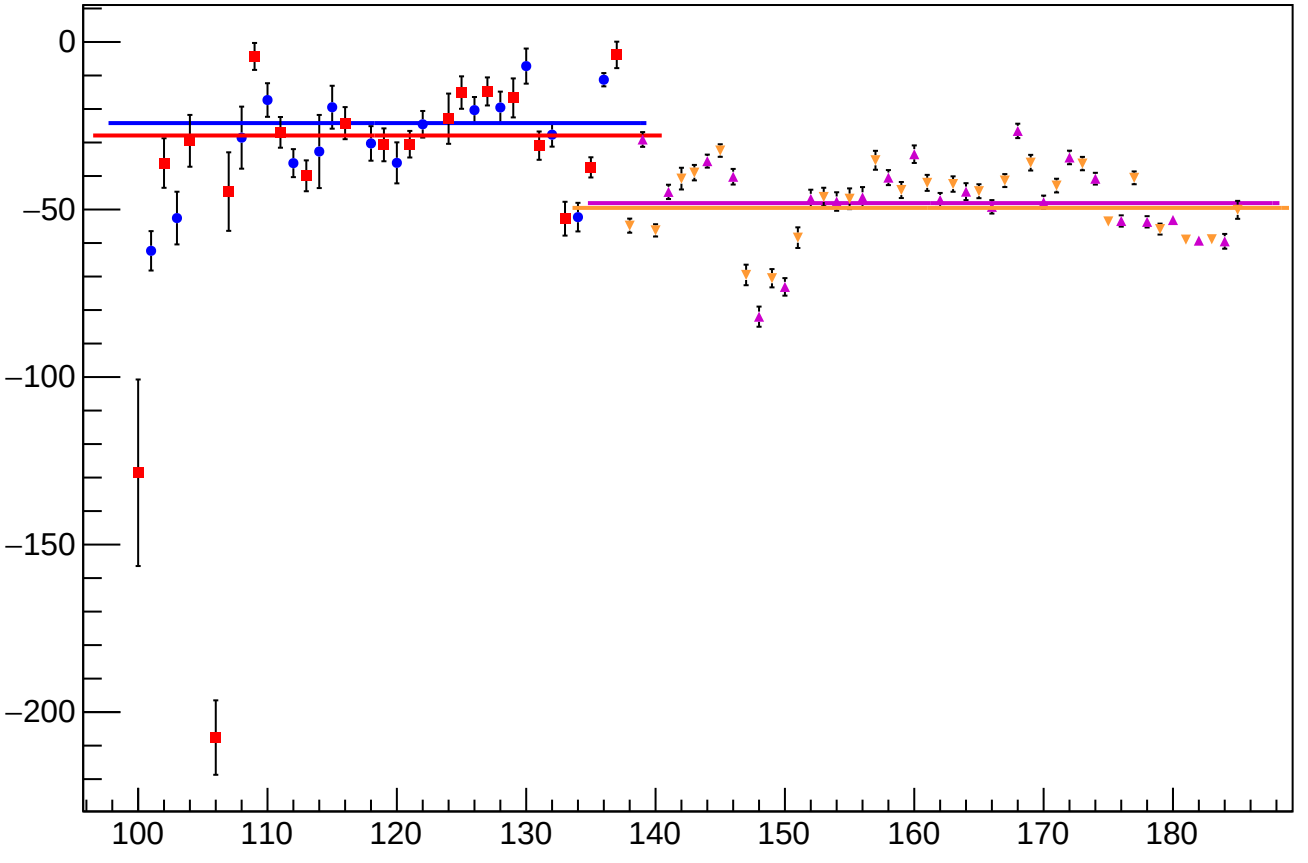
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.472+/-0.003 χ^2/NDF: 1283.0/40

All: 0.466+/-0.002 χ^2/NDF: 3359.5/82

- 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: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

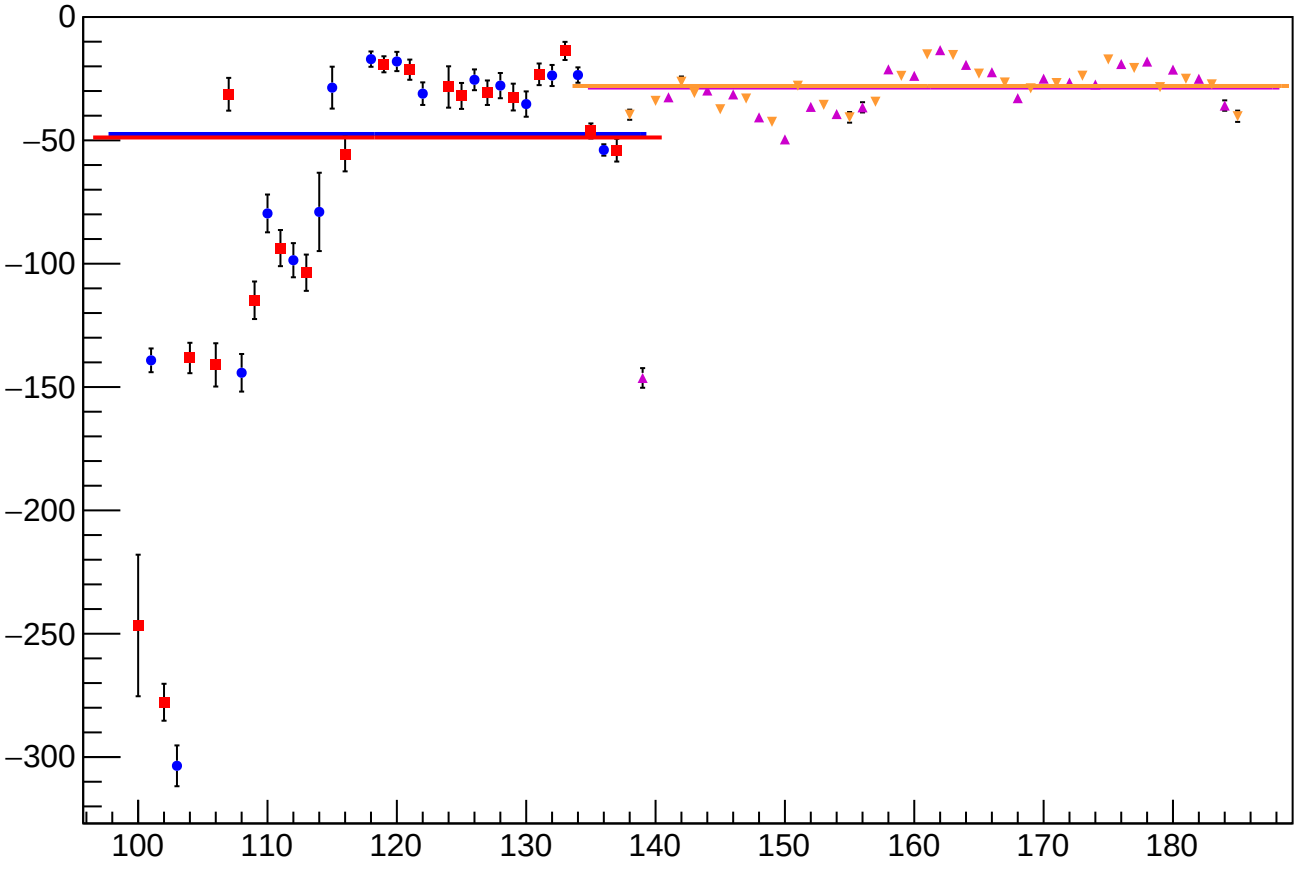
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.463+/-0.377 χ^2/NDF: 1224.4/40

All: -46.086+/-0.272 χ^2/NDF: 2623.5/82

- 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: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

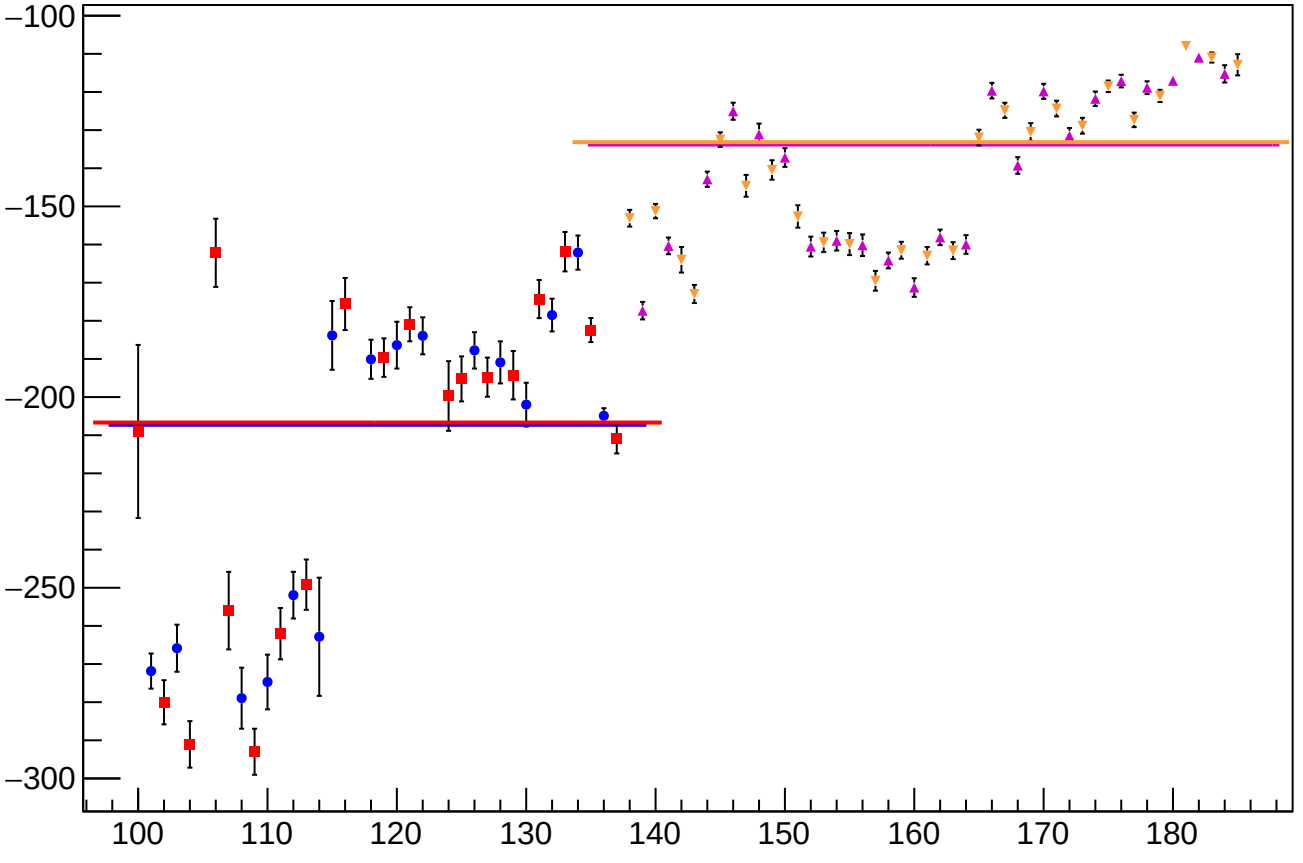
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -29.483+/-0.308 χ^2/NDF: 2659.2/40

All: -29.772+/-0.222 χ^2/NDF: 6187.7/82

- 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: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

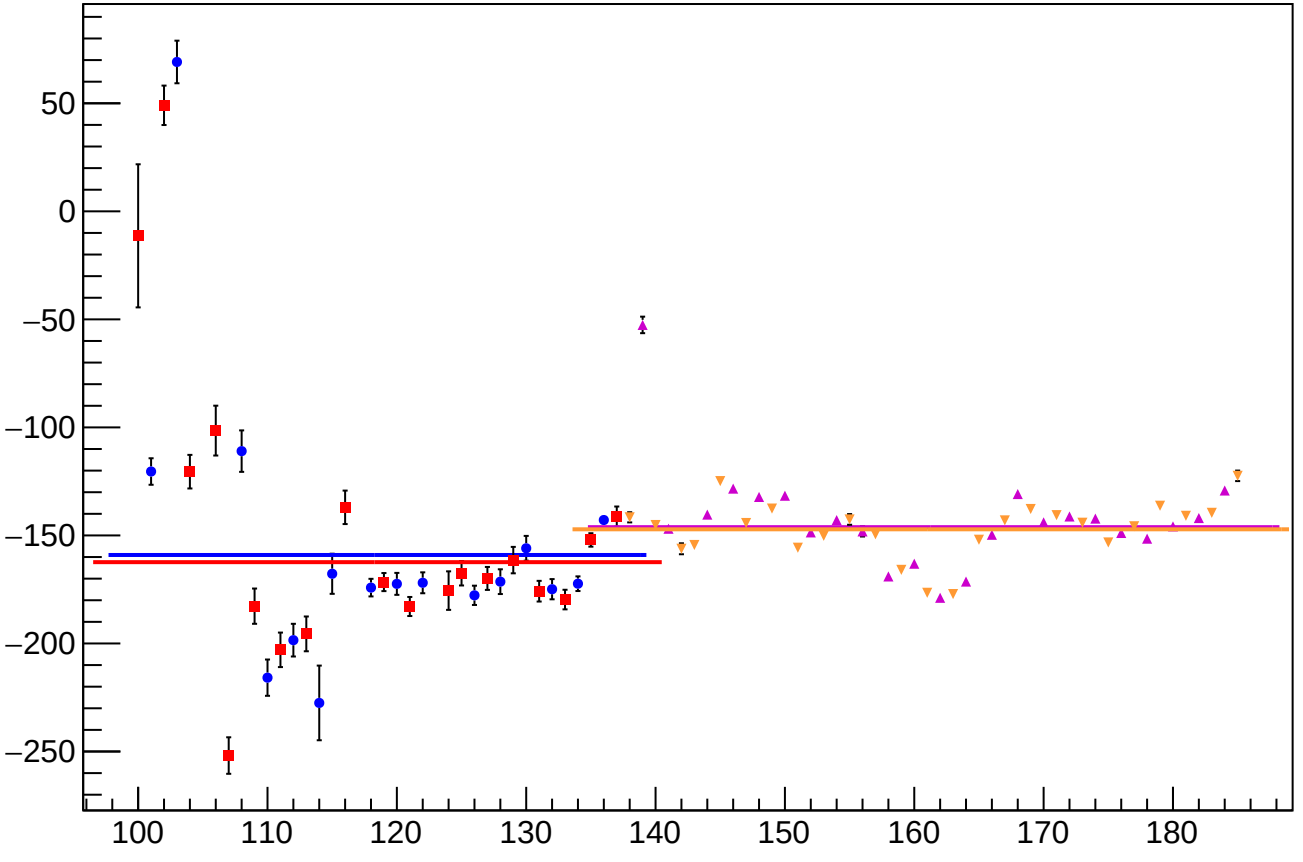
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -140.913+/-0.381 χ^2/NDF: 6820.9/40

All: -140.847+/-0.275 χ^2/NDF: 13165.4/82

- 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: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

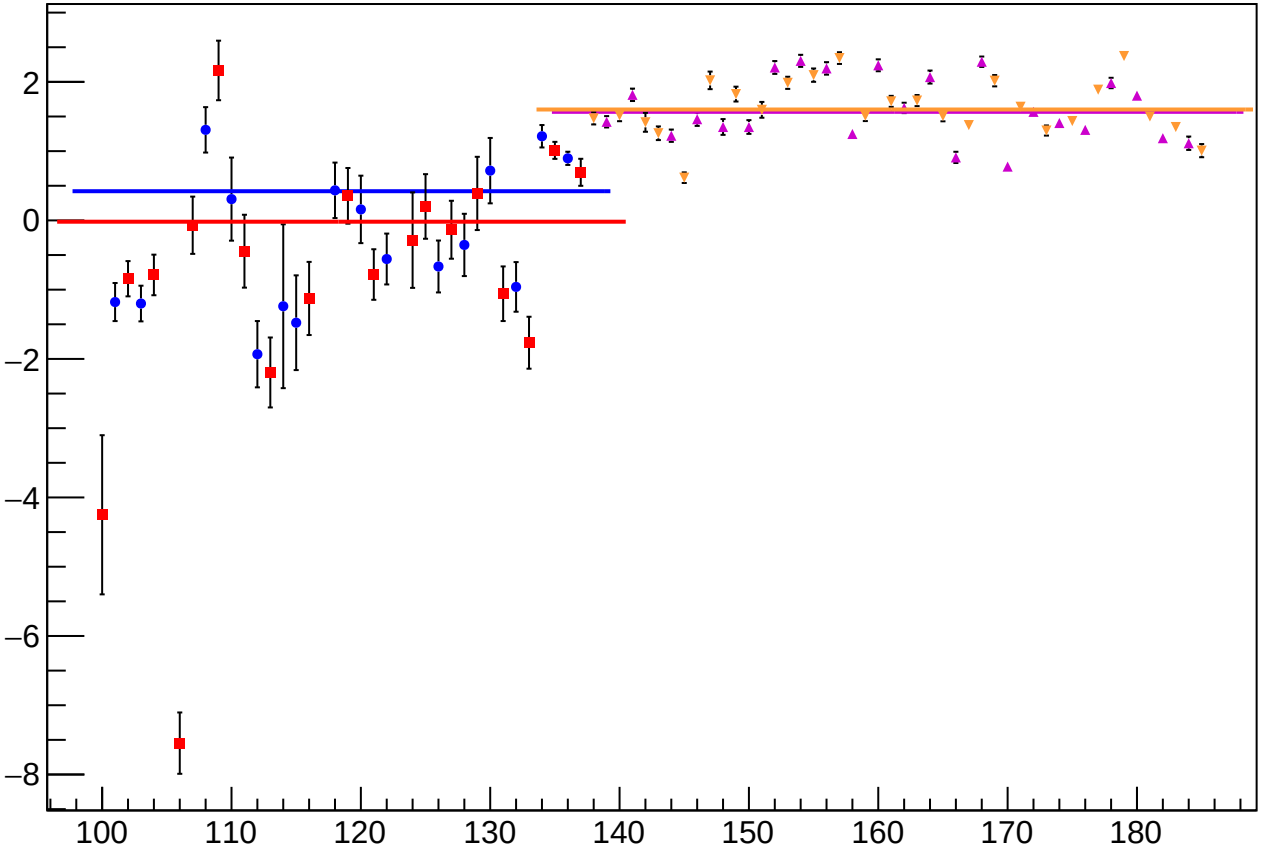
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

\+ sign -148.101+/-0.344 χ^2/NDF: 2148.0/40

All: -147.740+/-0.248 χ^2/NDF: 4955.4/82

\- 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: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

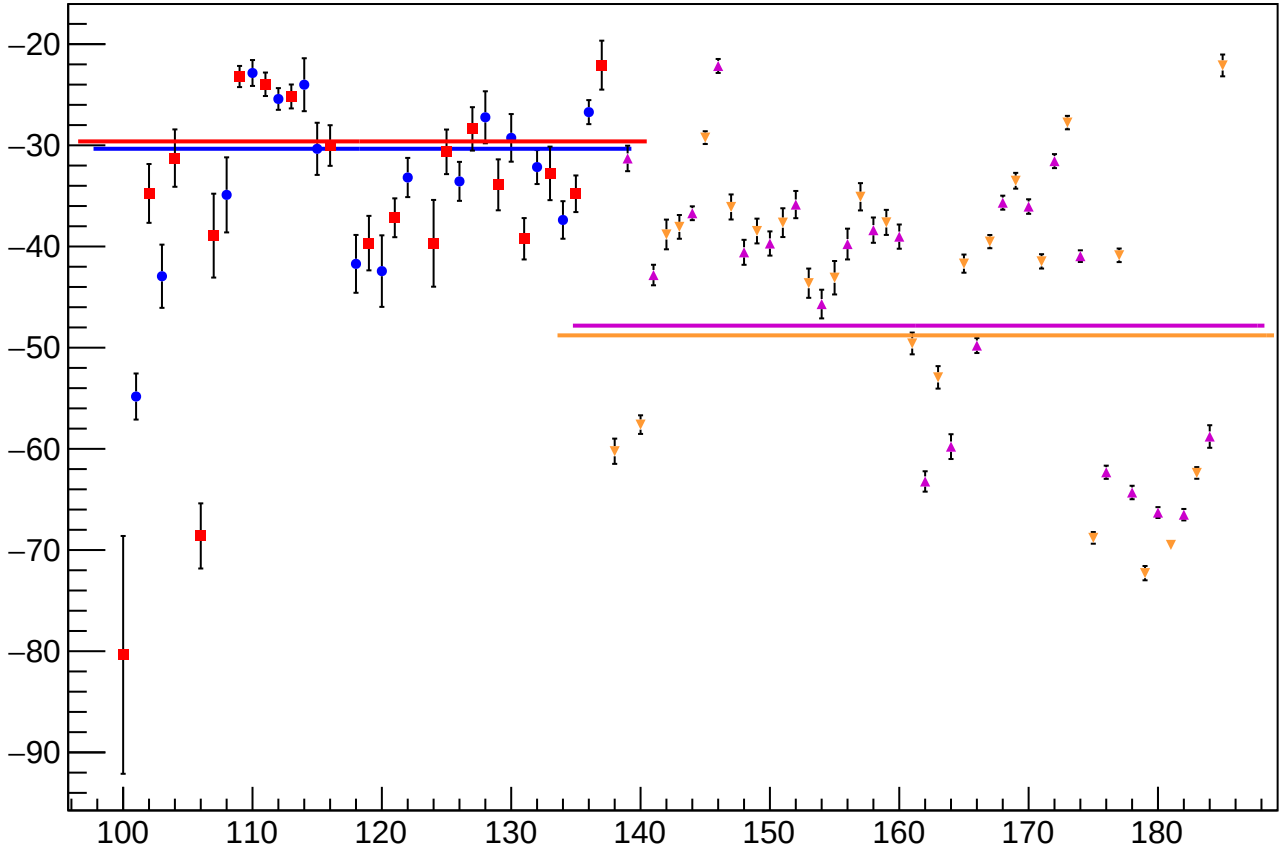
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.533+/-0.016 χ^2/NDF: 1091.6/40

All: 1.512+/-0.011 χ^2/NDF: 2776.4/82

- 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: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

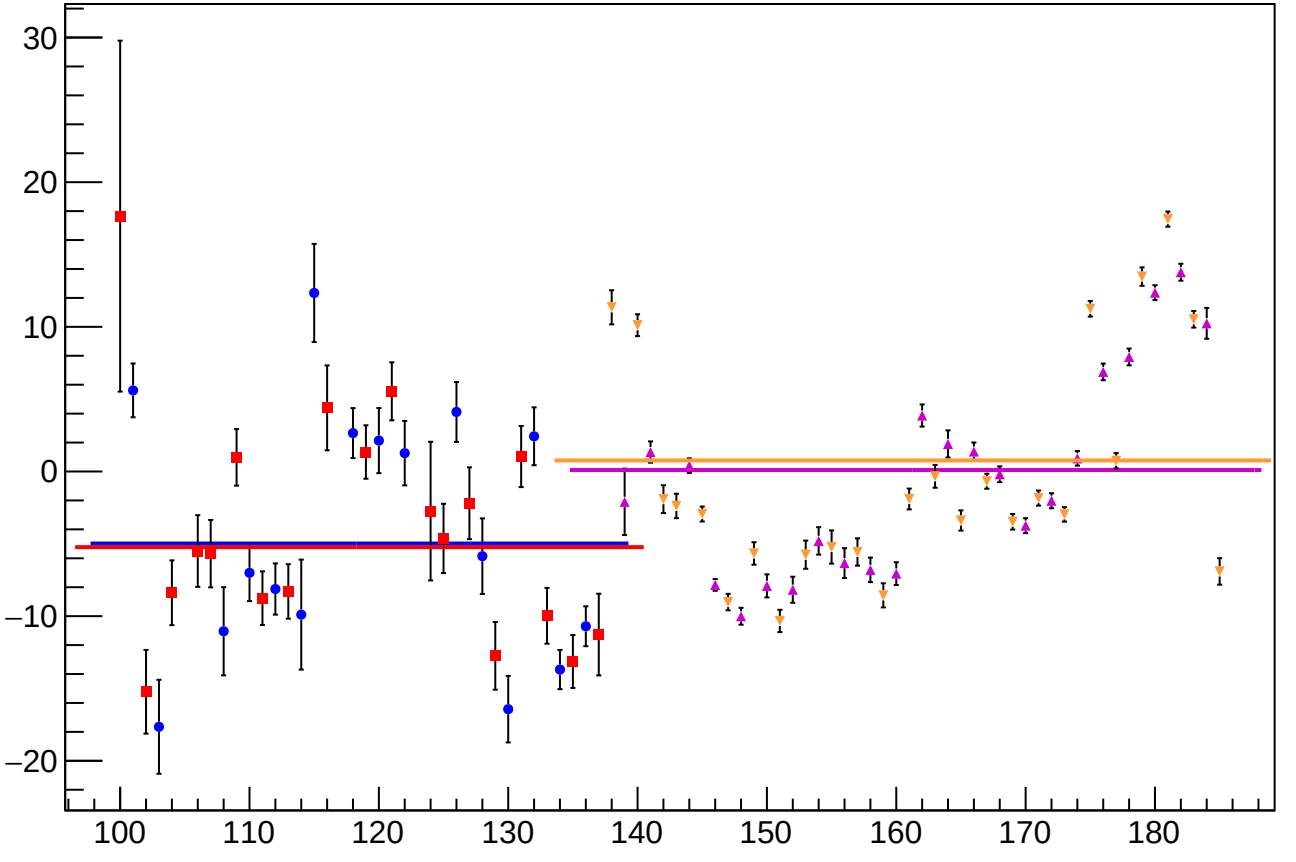
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.704+/-0.157 χ^2/NDF: 10586.1/40

All: -46.135+/-0.112 χ^2/NDF: 19595.2/82

- 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: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

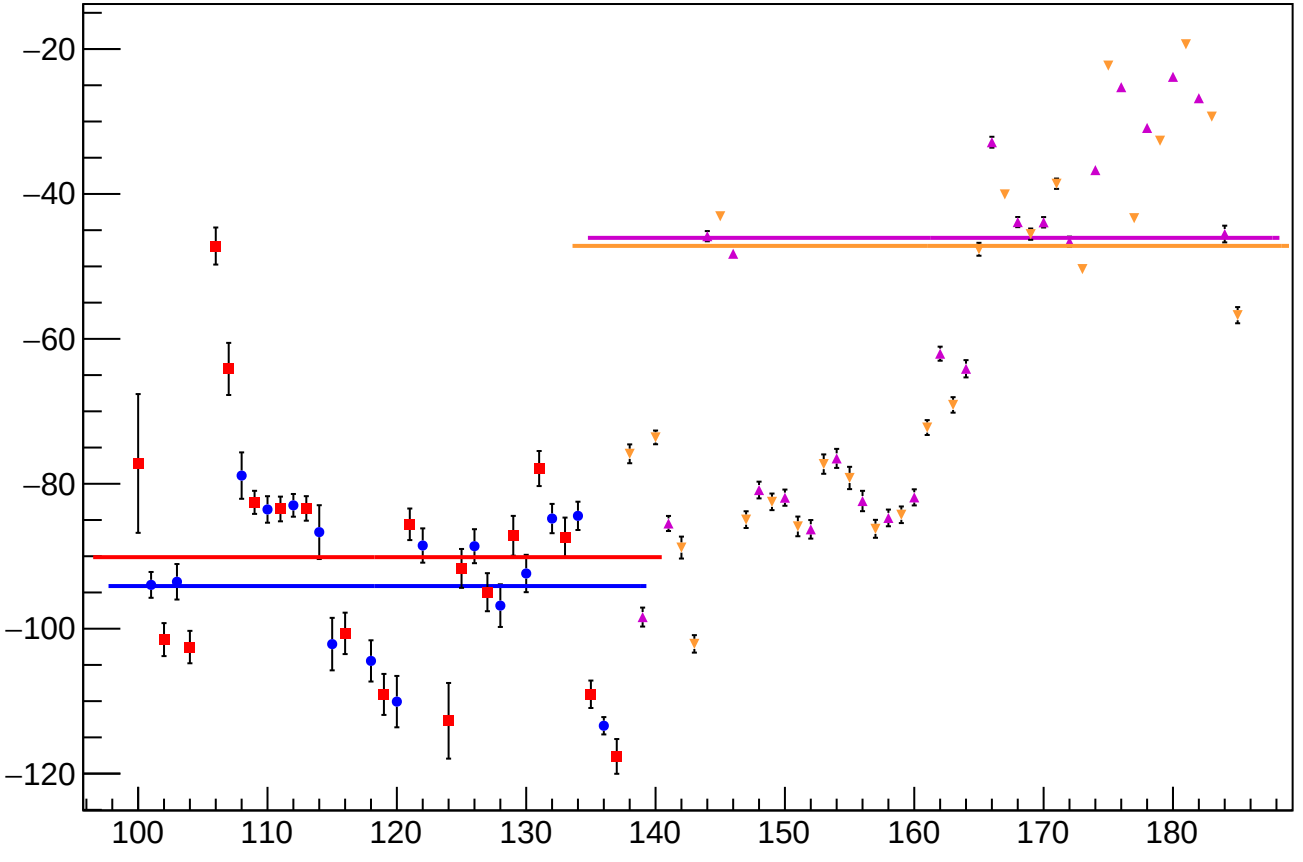
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.403+/-0.128 χ^2/NDF: 3823.6/40

All: 0.093+/-0.091 χ^2/NDF: 6791.0/82

- 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: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

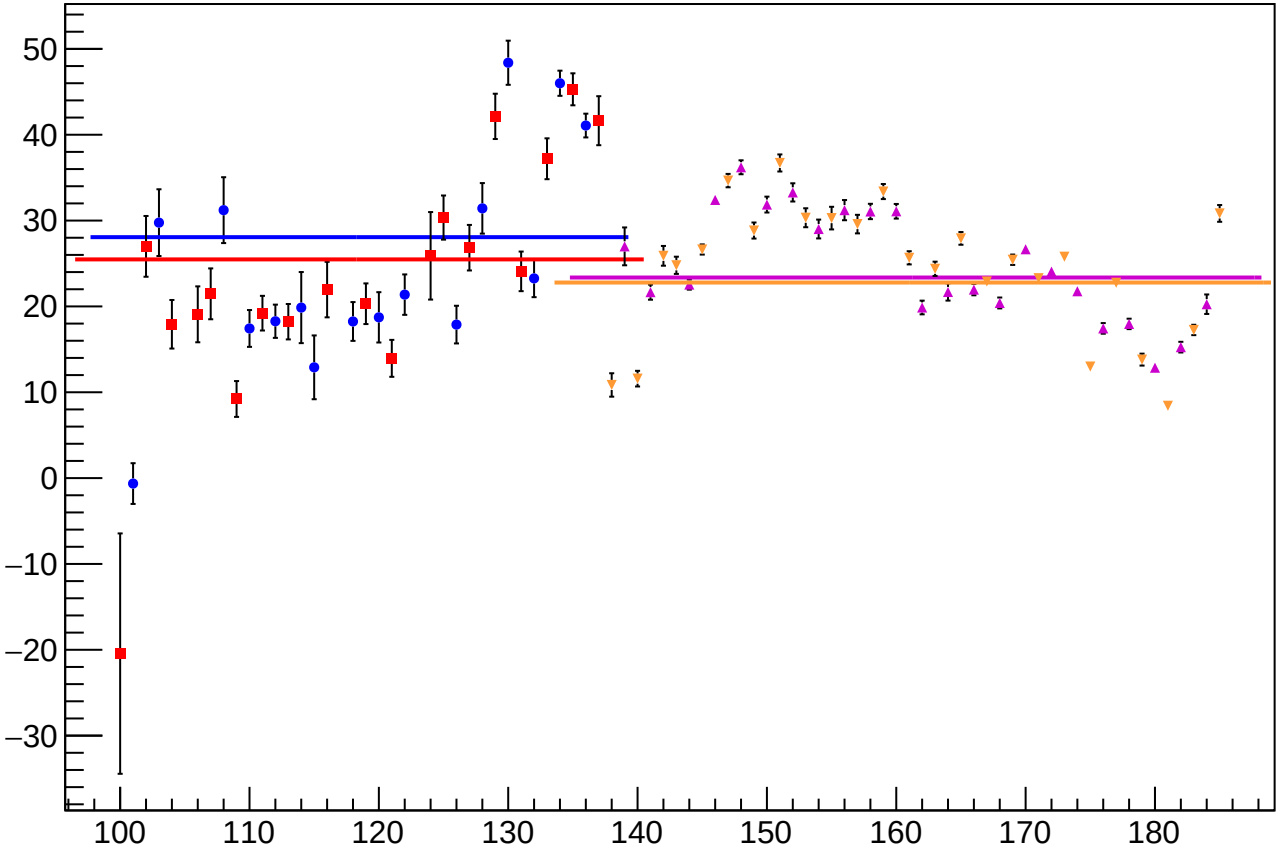
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.331+/-0.160 χ^2/NDF: 25089.9/40

All: -50.676+/-0.114 χ^2/NDF: 46682.1/82

- 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: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

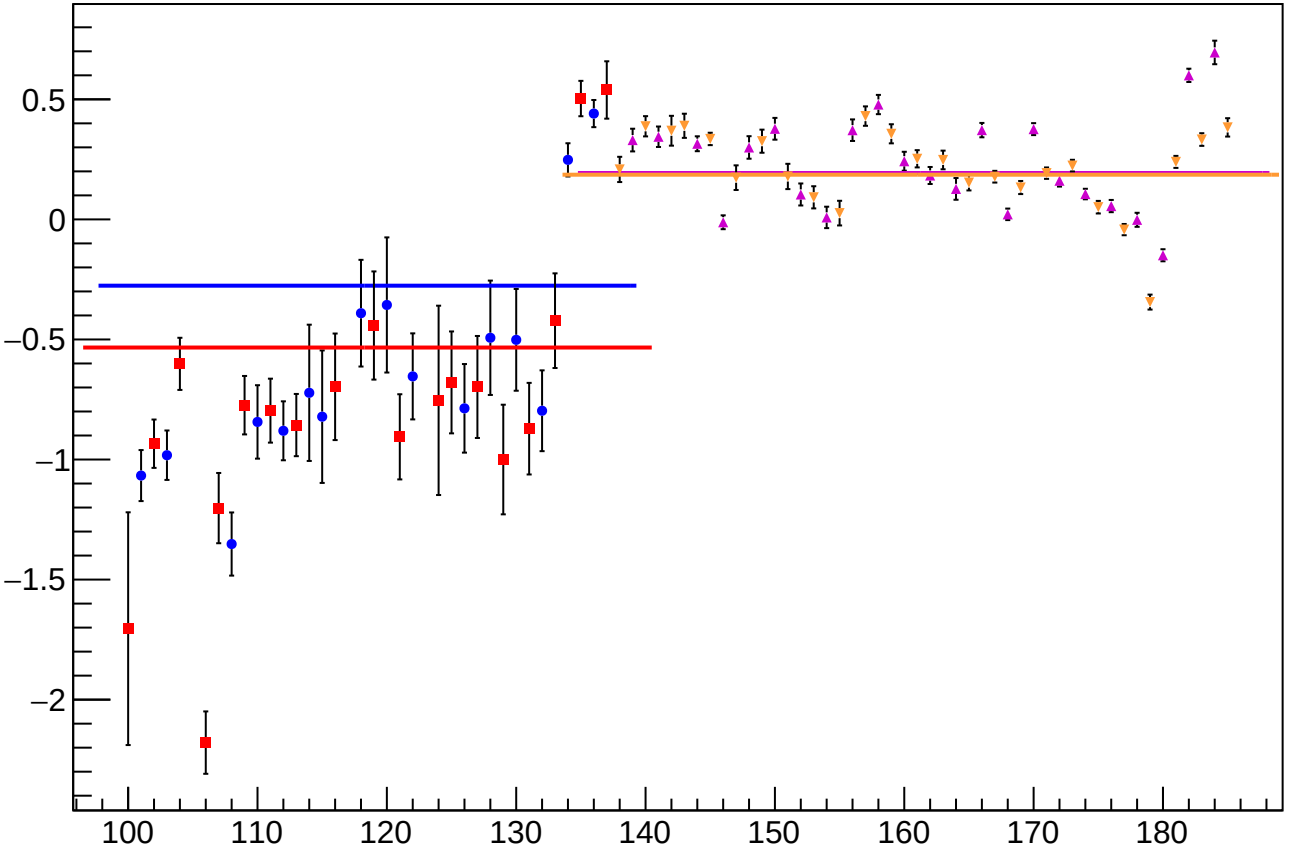
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.114+/-0.143 χ^2/NDF: 3077.0/40

All: 23.301+/-0.101 χ^2/NDF: 5232.5/82

- 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: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

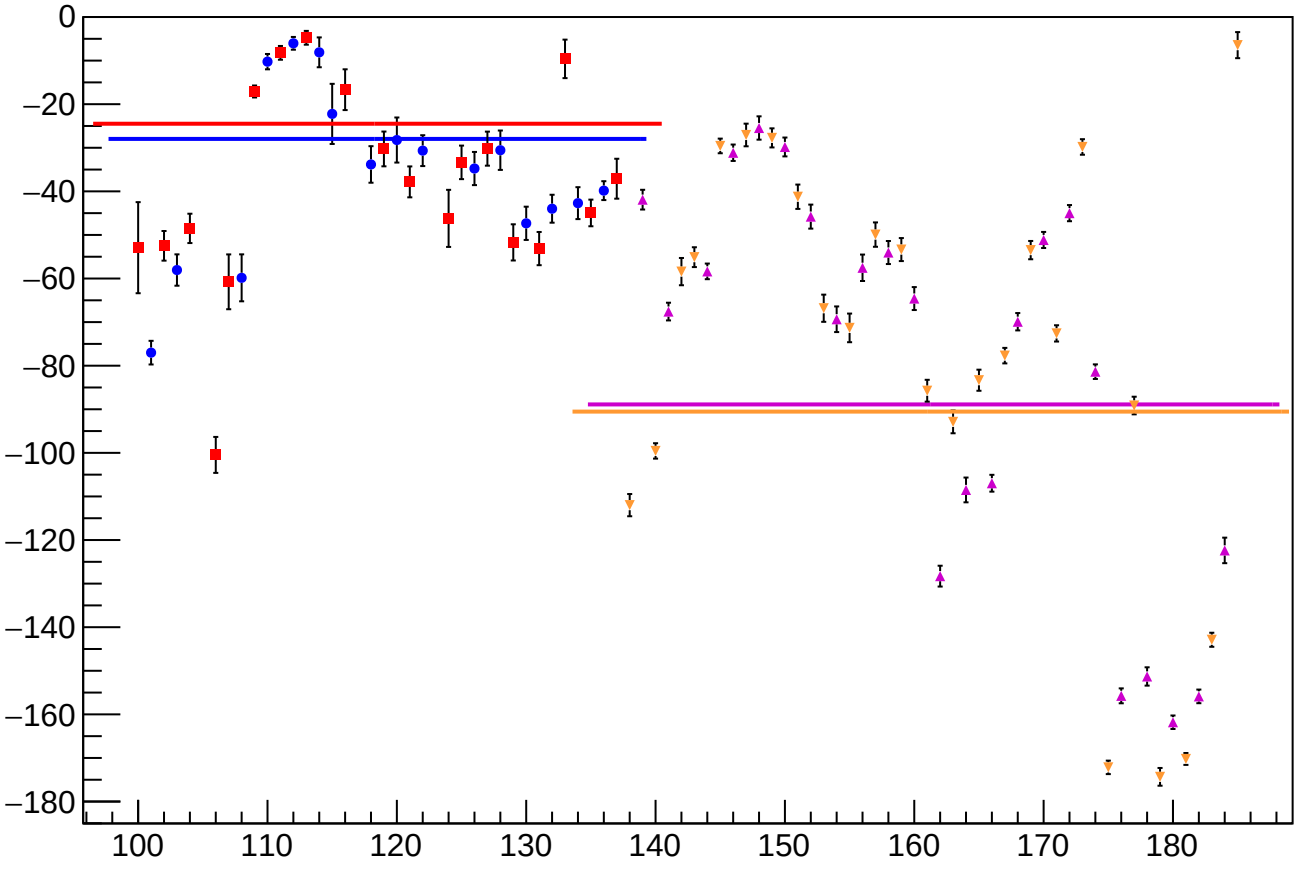
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.166+/-0.006 χ^2/NDF: 1318.9/40

All: 0.165+/-0.005 χ^2/NDF: 3237.5/82

- 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: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

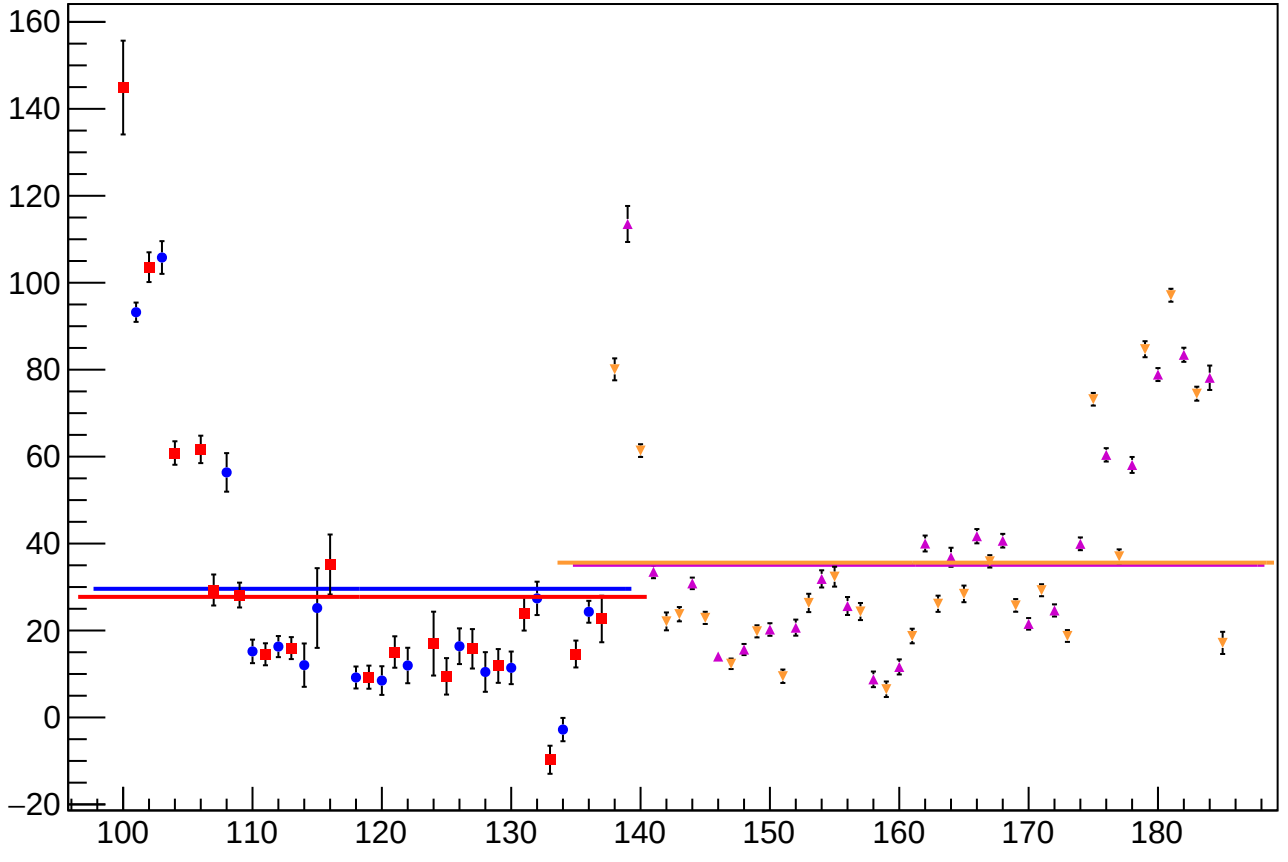
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.824+/-0.365 χ^2/NDF: 21791.3/40

All: -72.170+/-0.257 χ^2/NDF: 41305.1/82

- 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: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

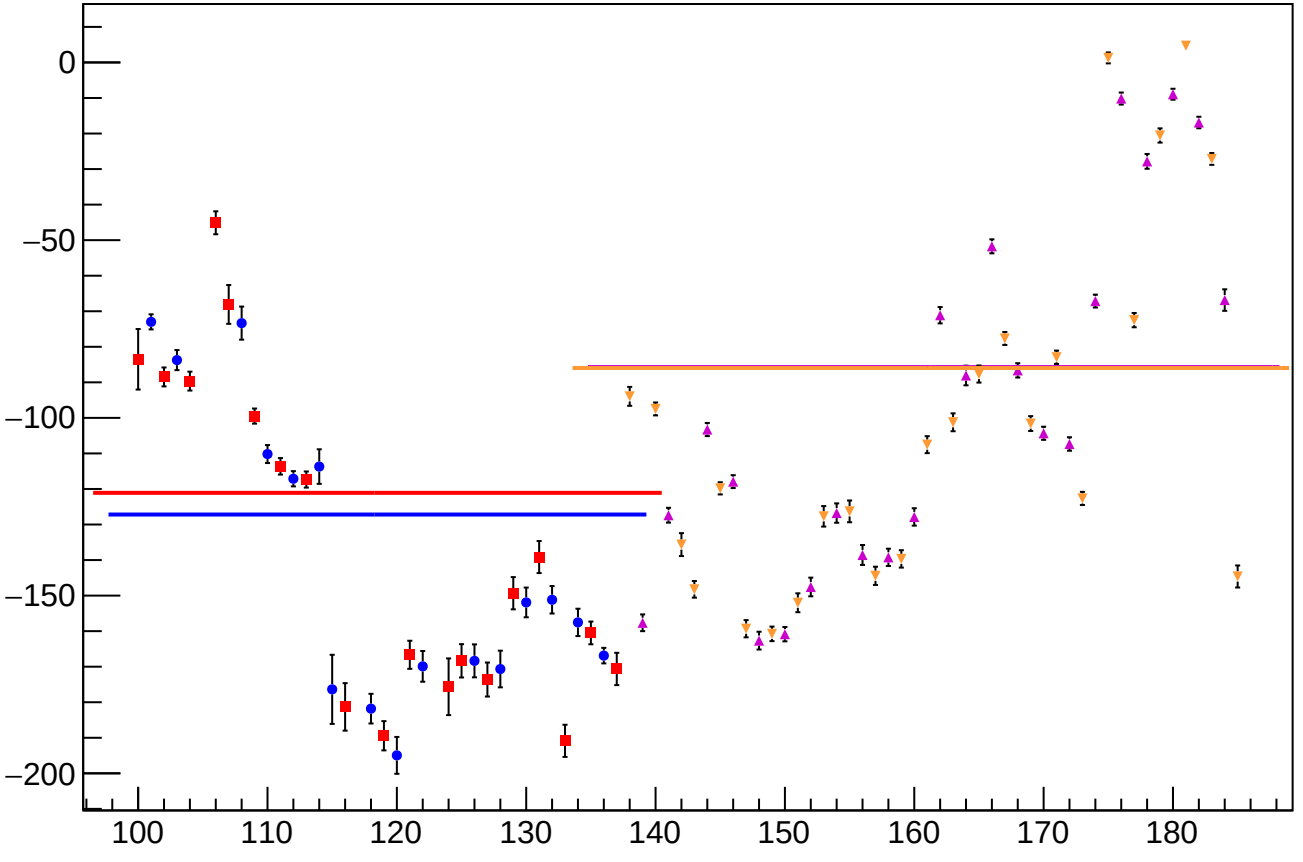
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 34.769+/-0.302 χ^2/NDF: 7686.5/40

All: 34.393+/-0.216 χ^2/NDF: 13091.9/82

- 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: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

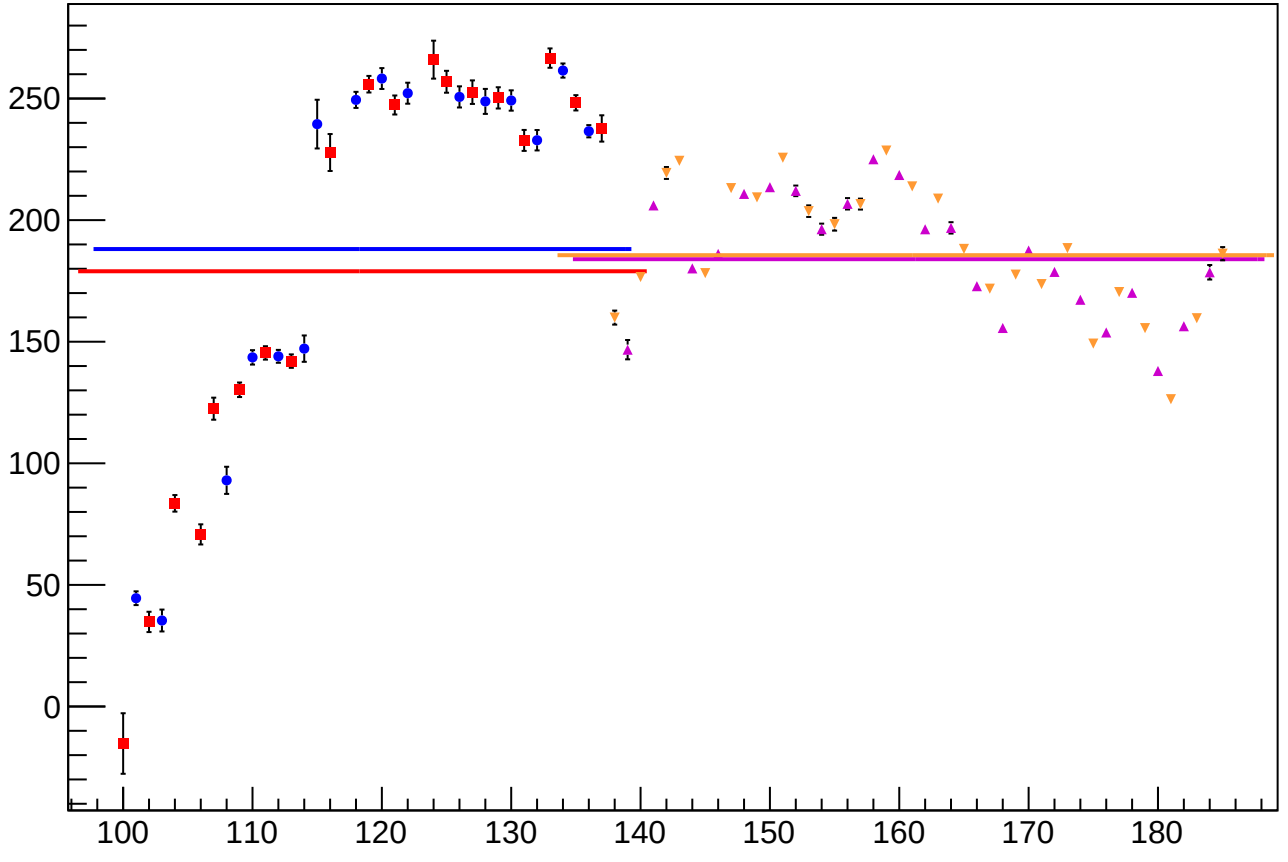
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -94.408+/-0.375 χ^2/NDF: 20375.3/40

All: -94.080+/-0.267 χ^2/NDF: 38053.2/82

- 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: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

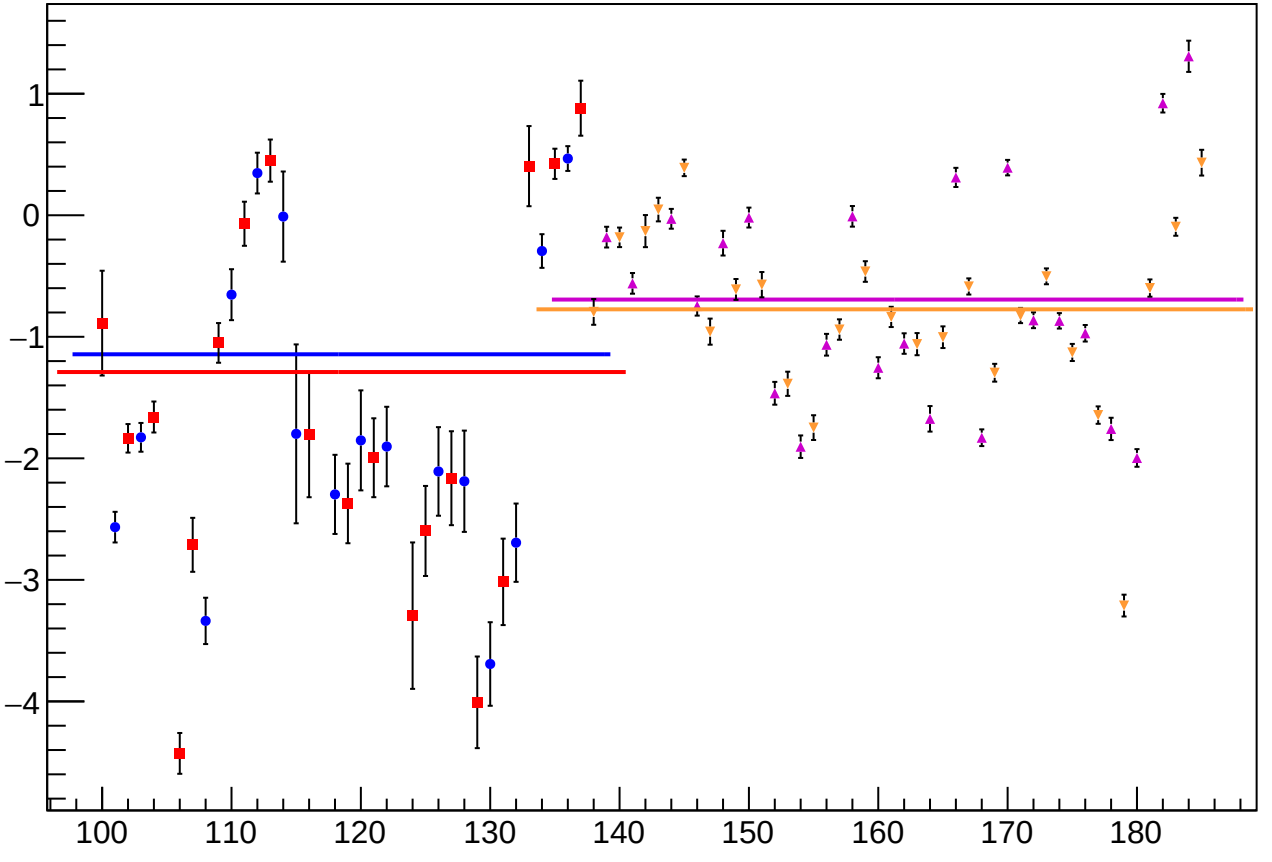
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

\+ sign 185.931+/-0.341 χ^2/NDF: 12479.8/40

All: 184.601+/-0.244 χ^2/NDF: 23078.9/82

\- 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: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

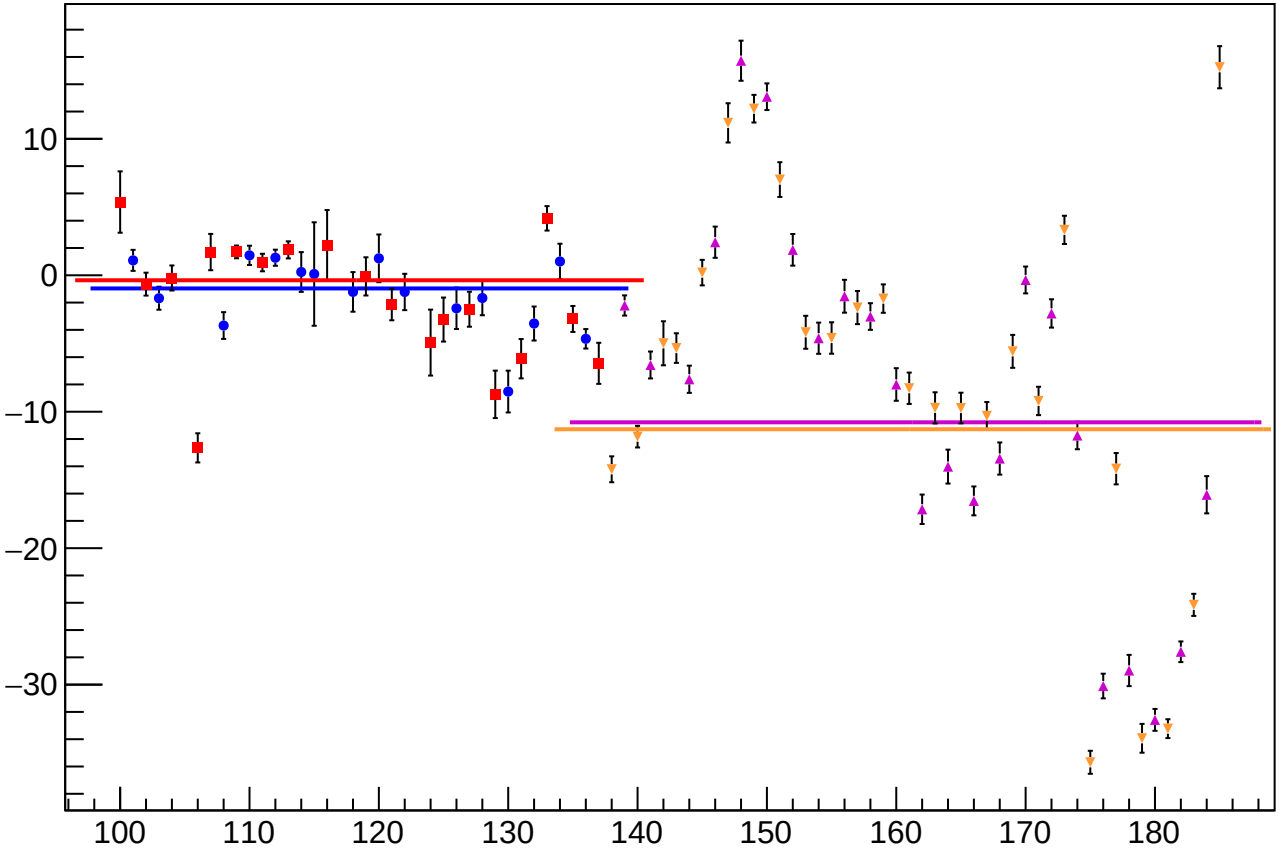
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.813+/-0.016 χ^2/NDF: 2663.4/40

All: -0.787+/-0.011 χ^2/NDF: 6373.1/82

- 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: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

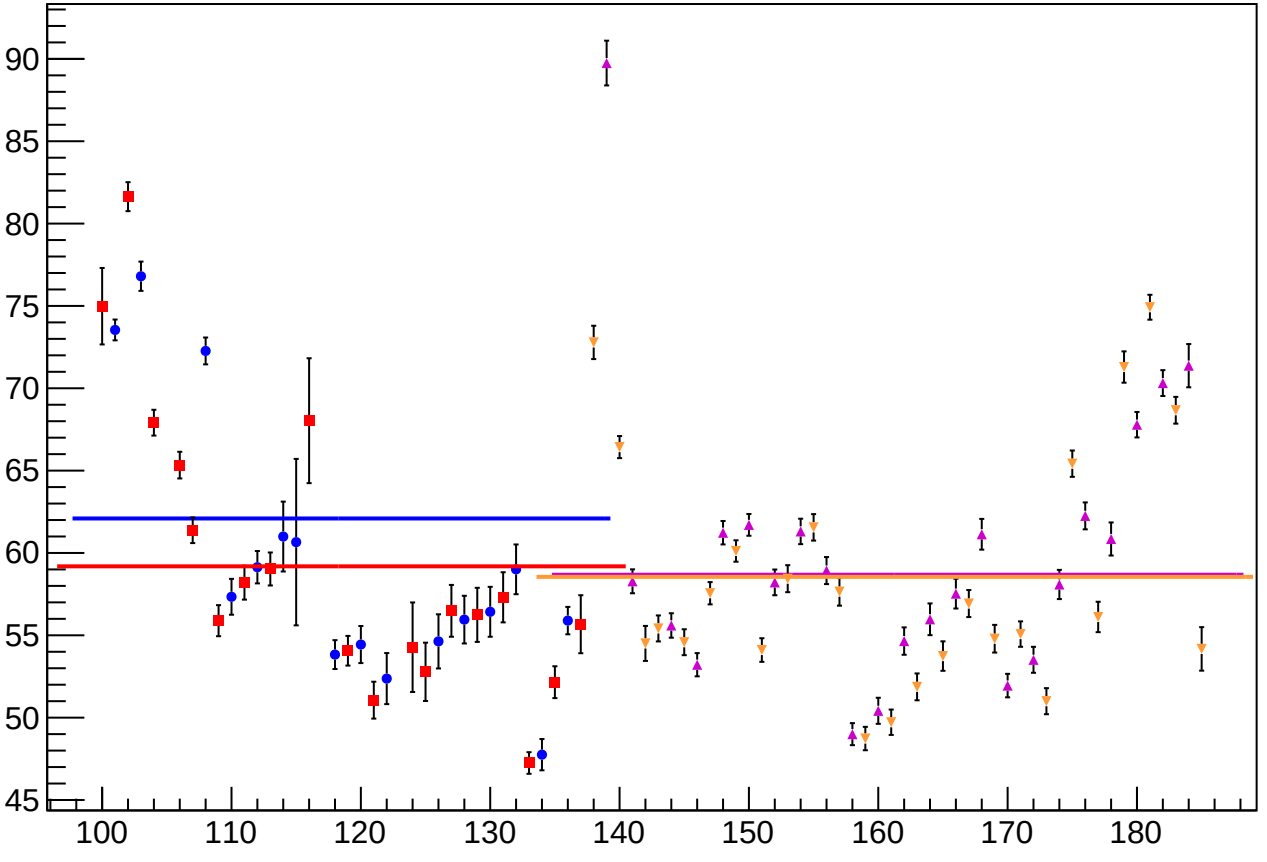
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.126+/-0.161 χ^2/NDF: 5595.4/40

All: -6.445+/-0.111 χ^2/NDF: 10743.6/82

- 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: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

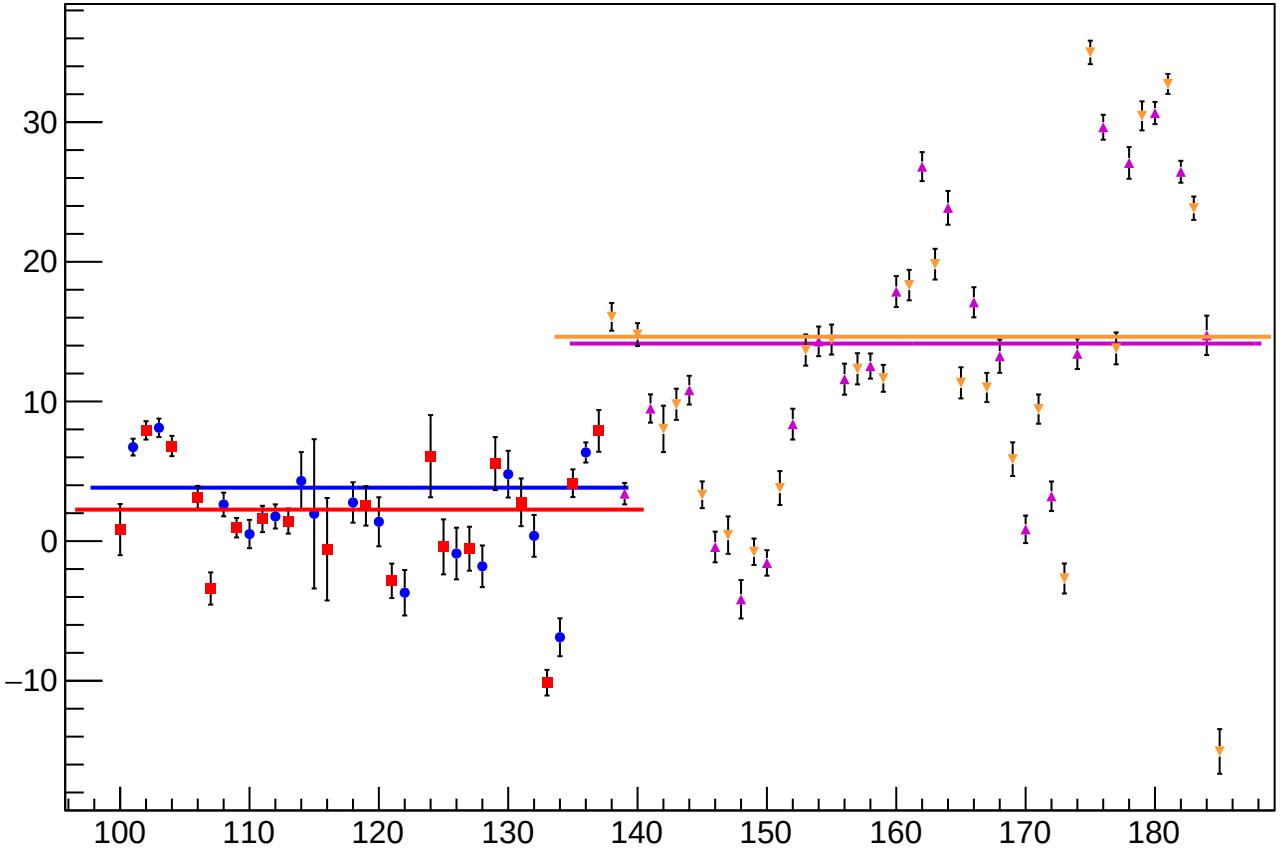
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 59.505+/-0.138 χ^2/NDF: 3334.1/40

All: 59.176+/-0.098 χ^2/NDF: 6364.0/82

- 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: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

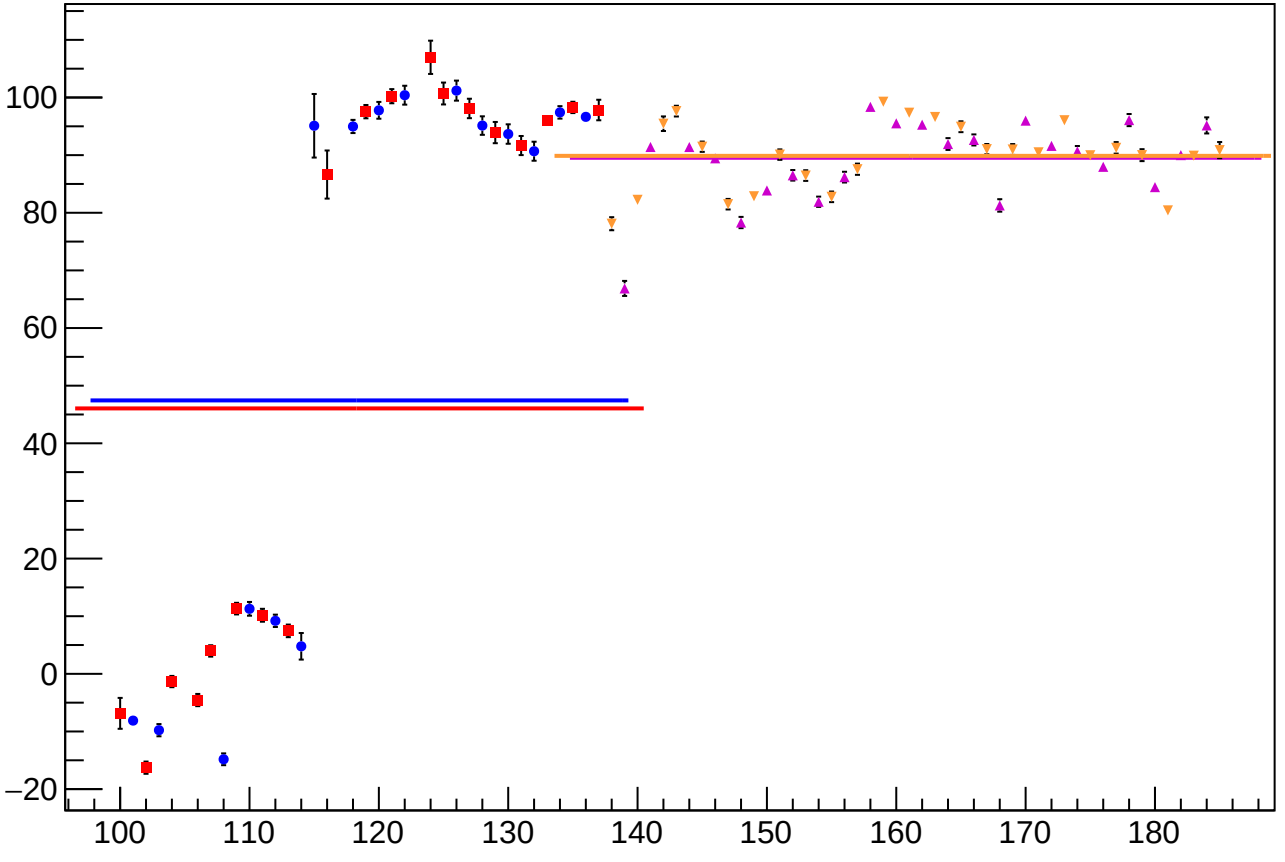
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

\+ sign 10.552+/-0.163 χ^2/NDF: 4203.2/40

All: 9.819+/-0.114 χ^2/NDF: 8497.5/82

\- 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: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

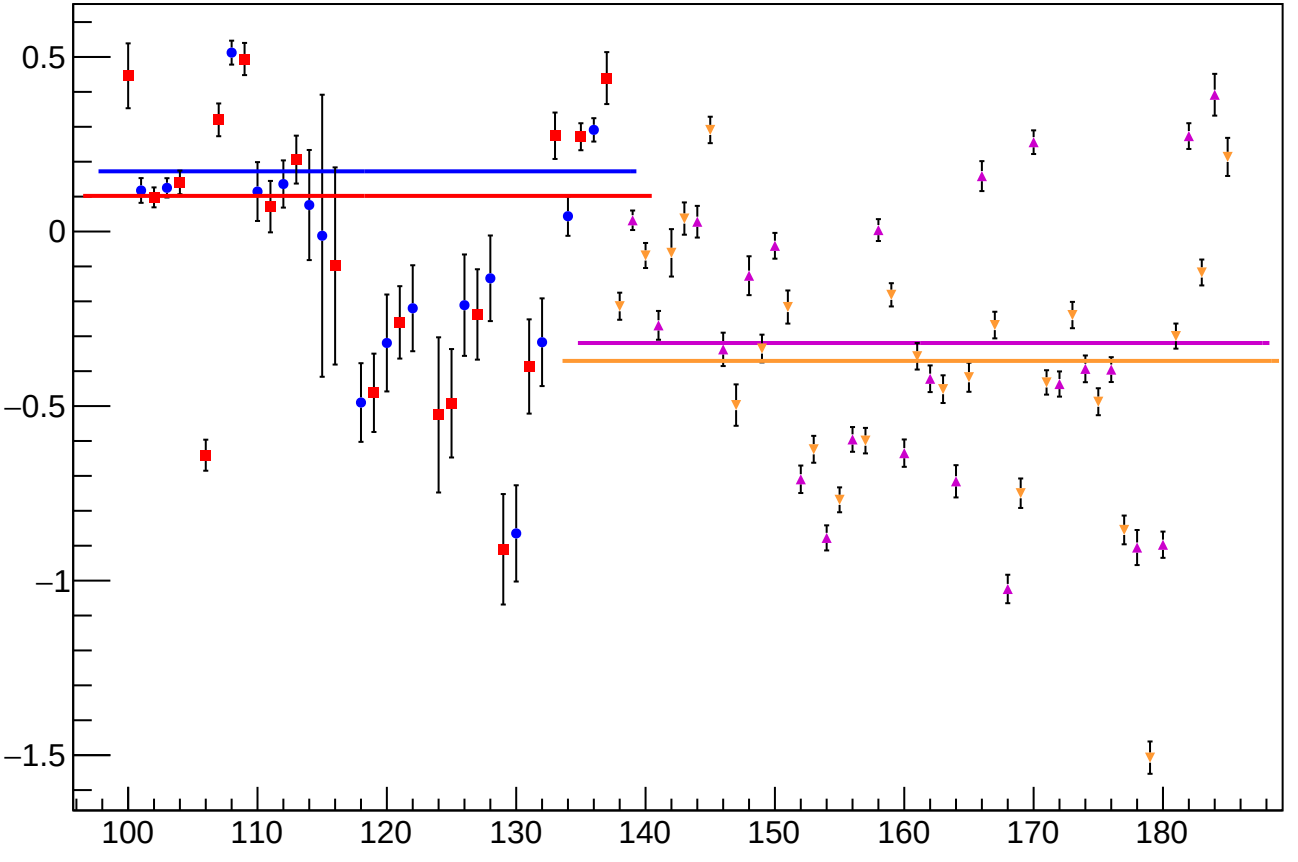
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 78.984+/-0.156 χ^2/NDF: 42055.0/40

All: 77.678+/-0.111 χ^2/NDF: 88482.2/82

- 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: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

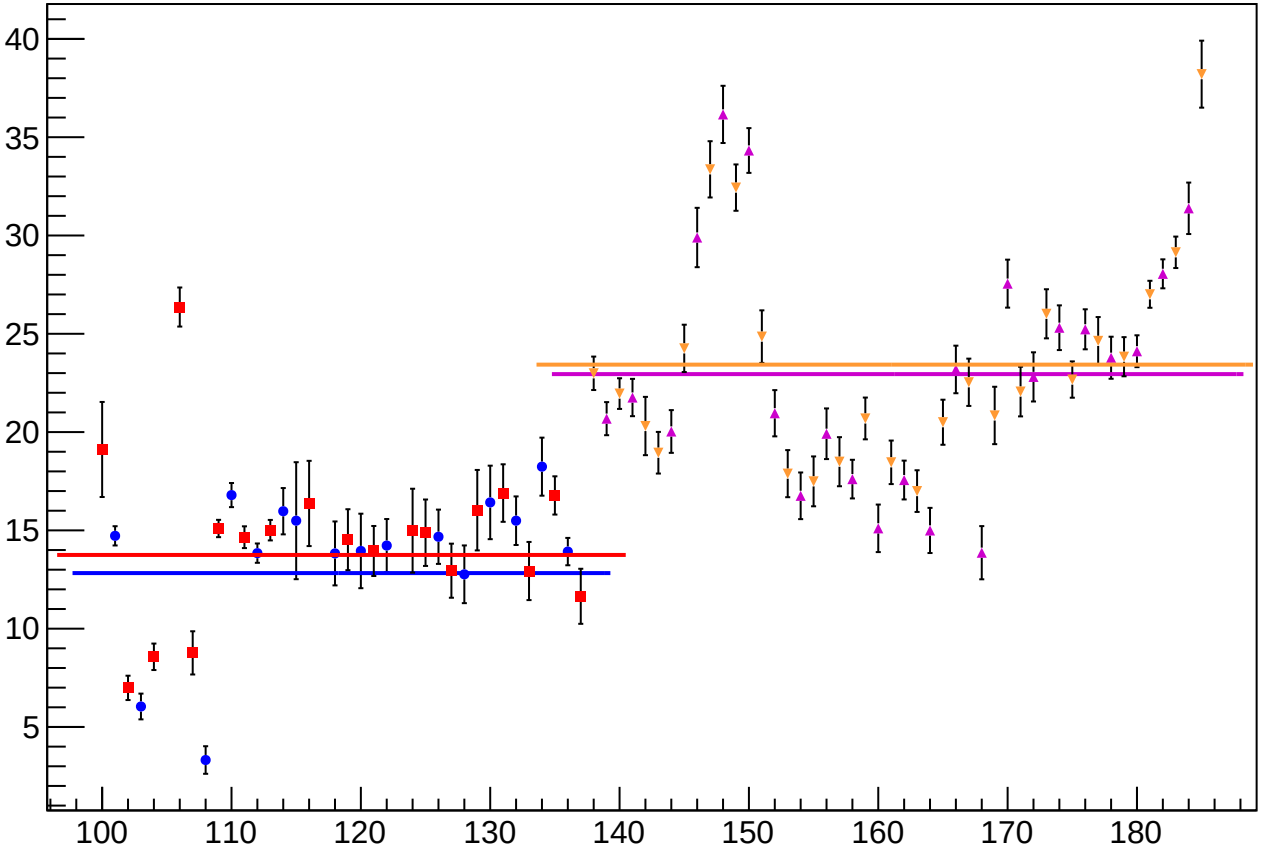
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.238+/-0.007 χ^2/NDF: 3148.8/40

All: -0.223+/-0.005 χ^2/NDF: 6879.1/82

- 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: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

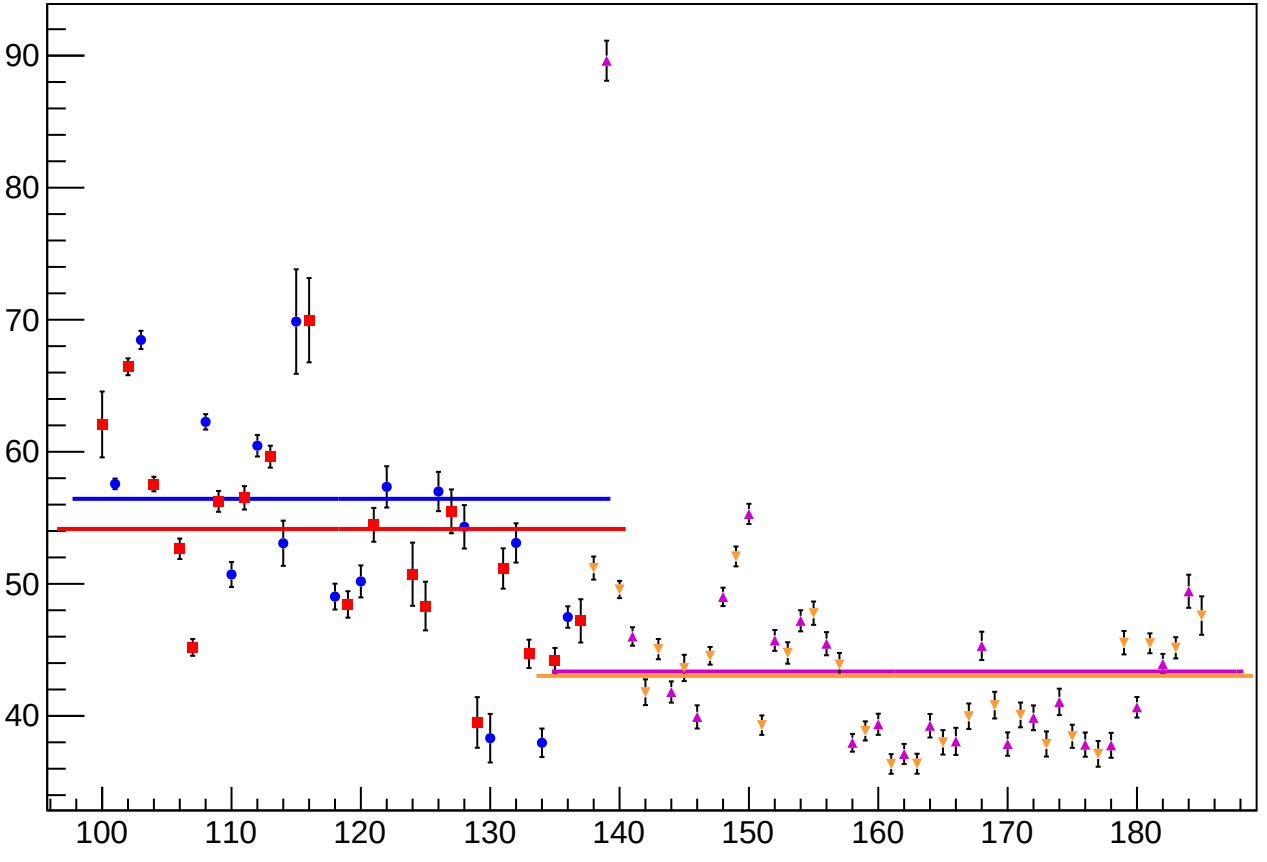
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 18.085+/-0.152 χ^2/NDF: 2032.7/40

All: 17.990+/-0.107 χ^2/NDF: 3917.8/82

- 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: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

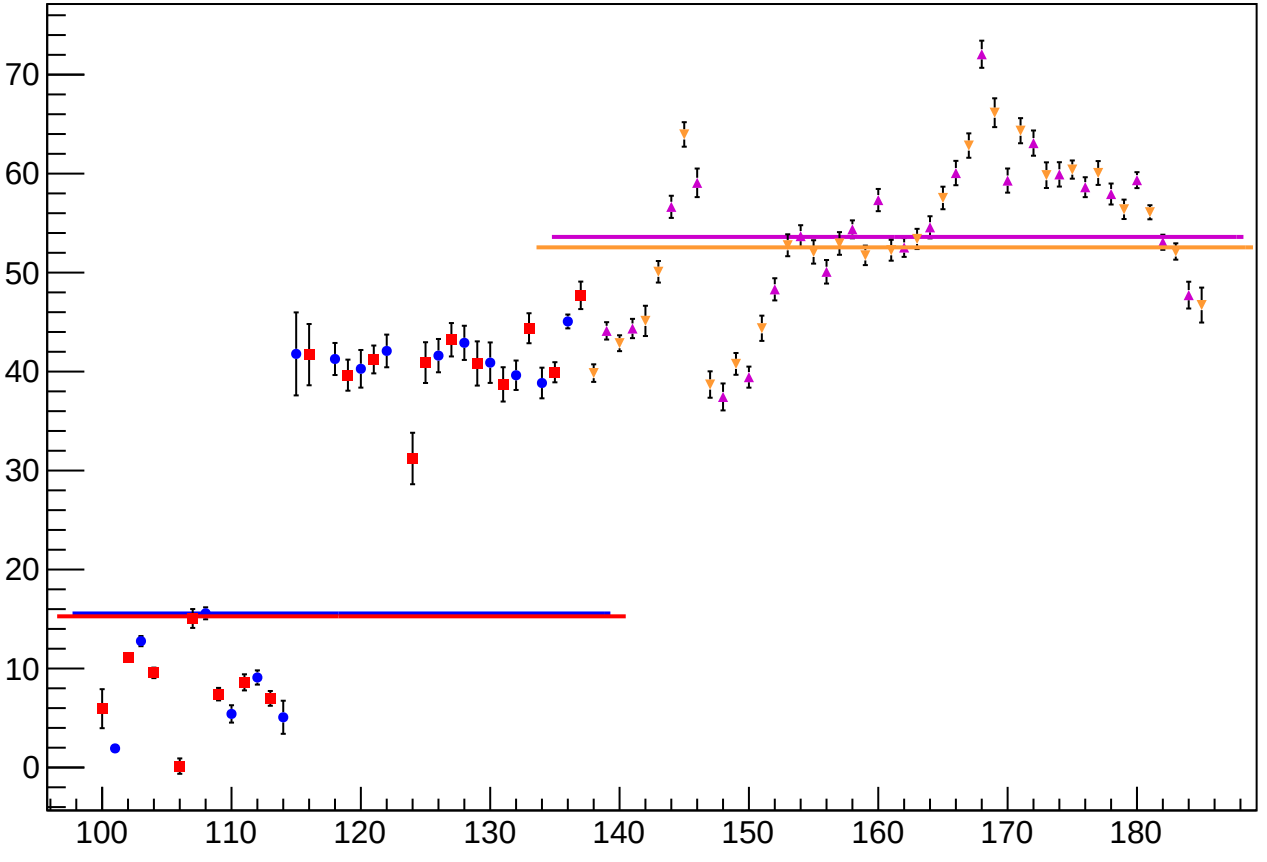
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

\+ sign 47.891+/-0.134 χ^2/NDF: 4198.1/40

All: 47.703+/-0.096 χ^2/NDF: 8317.4/82

\- 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: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

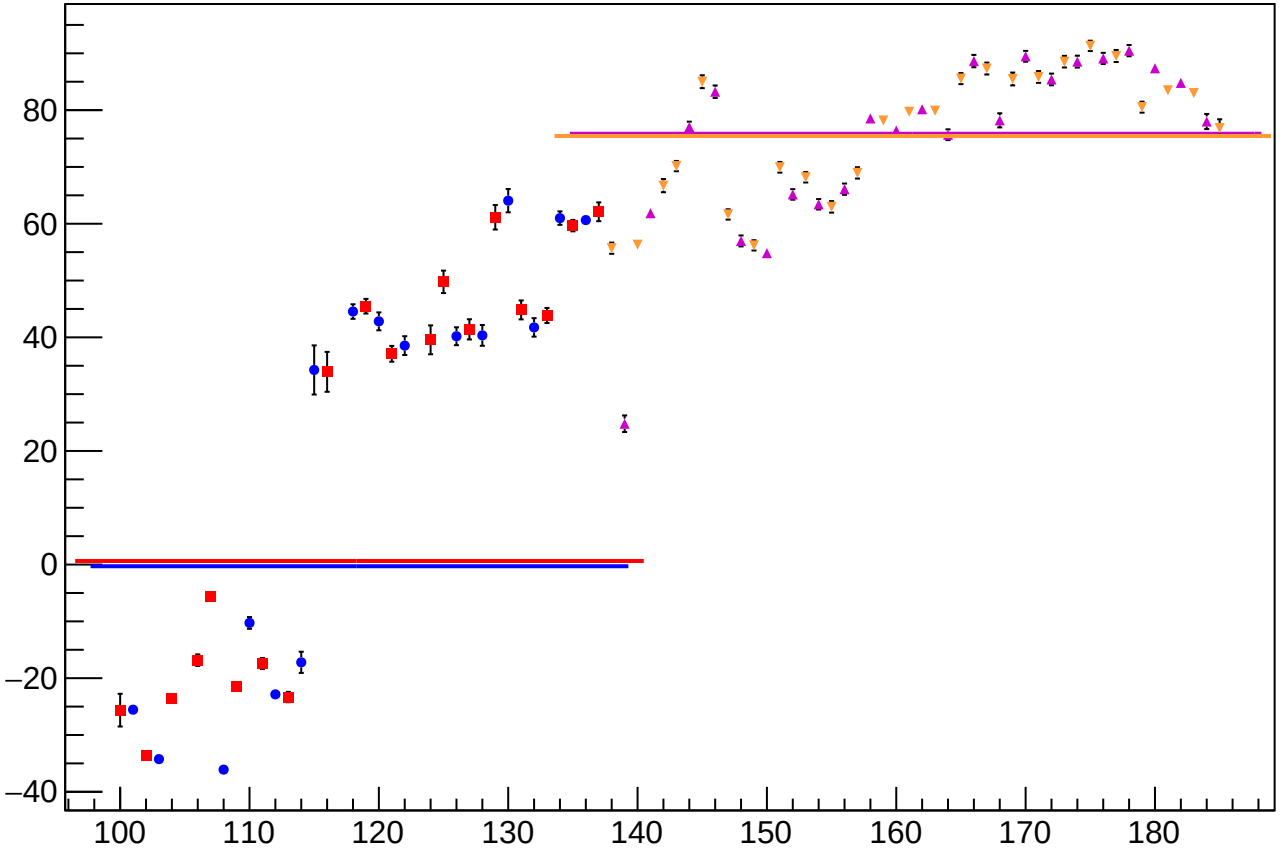
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

\+ sign 34.004+/-0.152 χ^2/NDF: 21260.2/40

All: 34.057+/-0.109 χ^2/NDF: 41188.9/82

\- 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: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

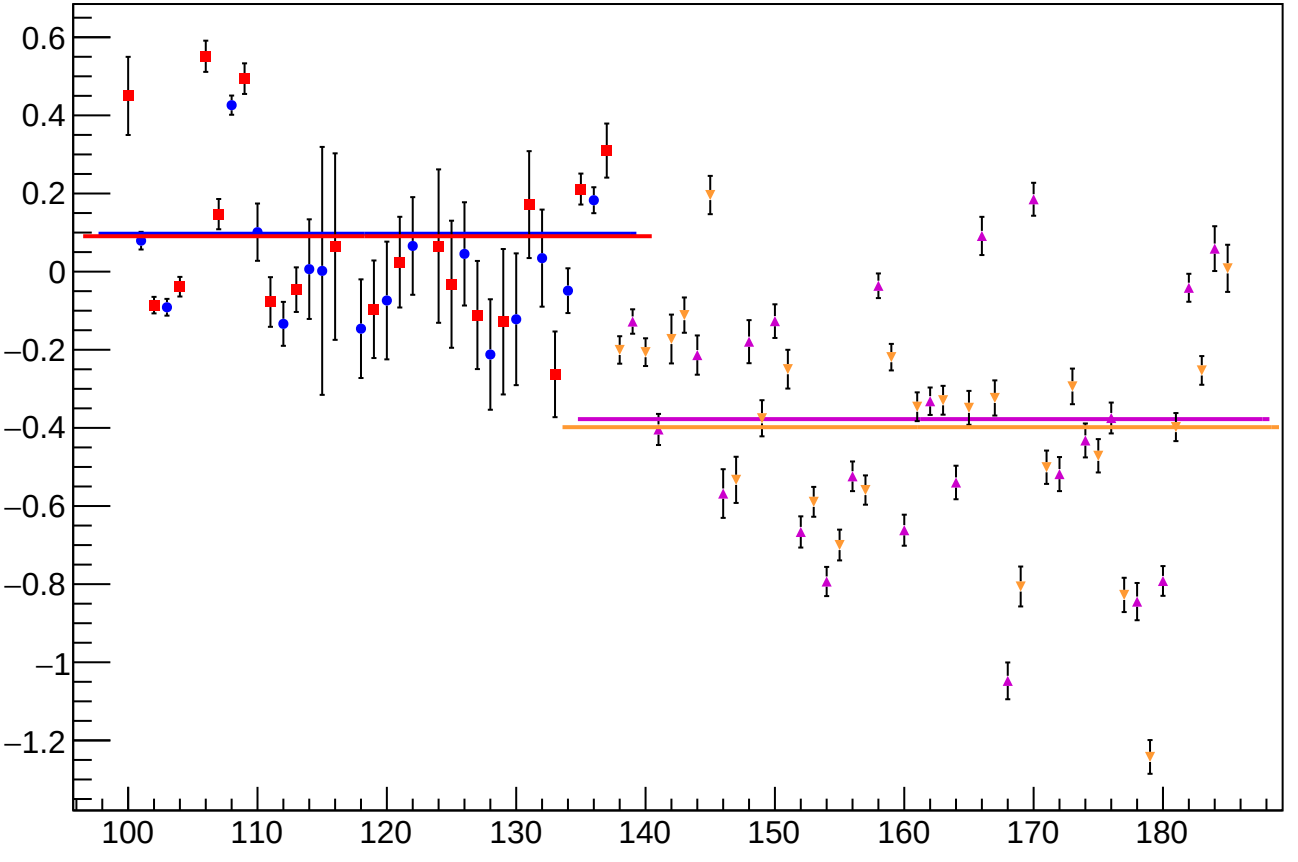
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.564+/-0.153 χ^2/NDF: 79770.5/40

All: 49.217+/-0.110 χ^2/NDF: 152258.1/82

- 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: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

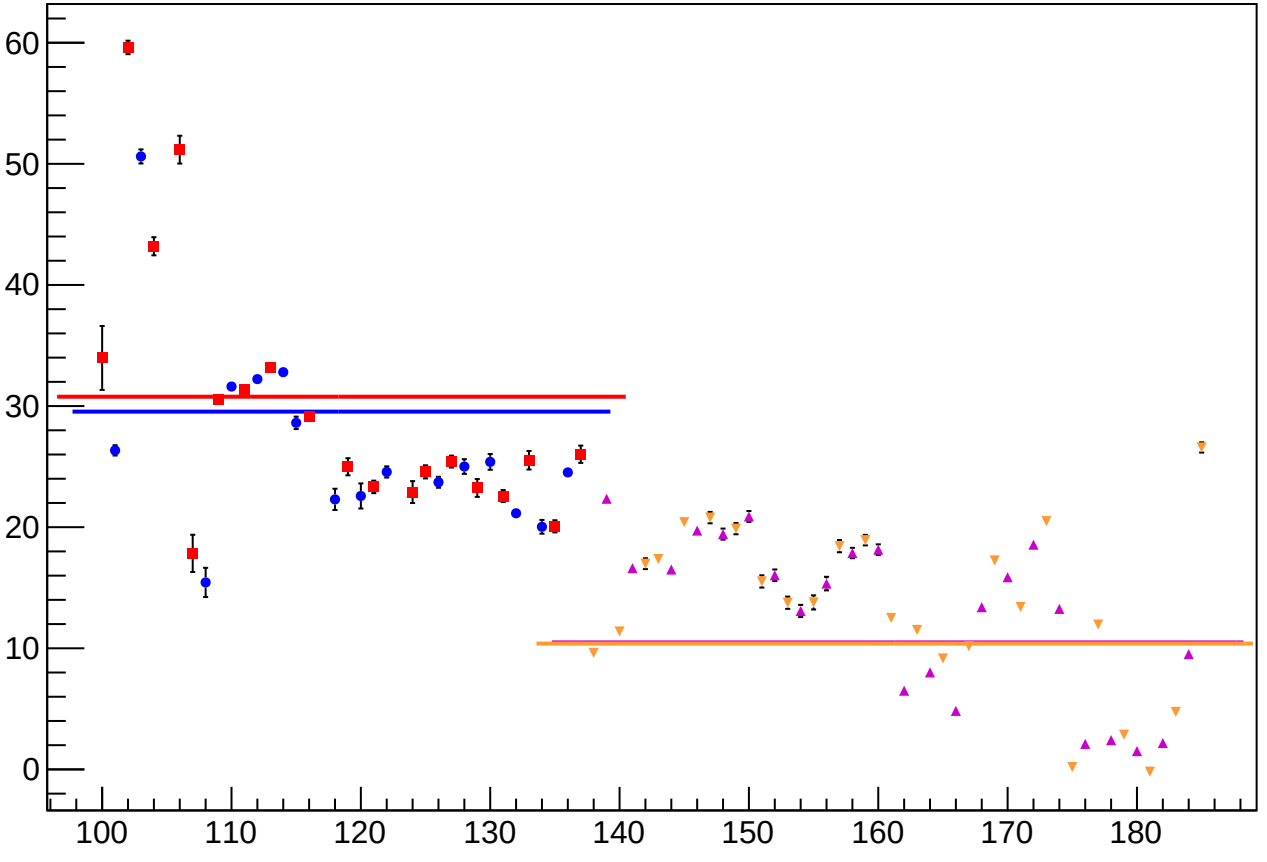
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

\+ sign -0.220+/-0.007 χ^2/NDF: 2577.9/40

All: -0.214+/-0.005 χ^2/NDF: 5406.6/82

\- 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: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

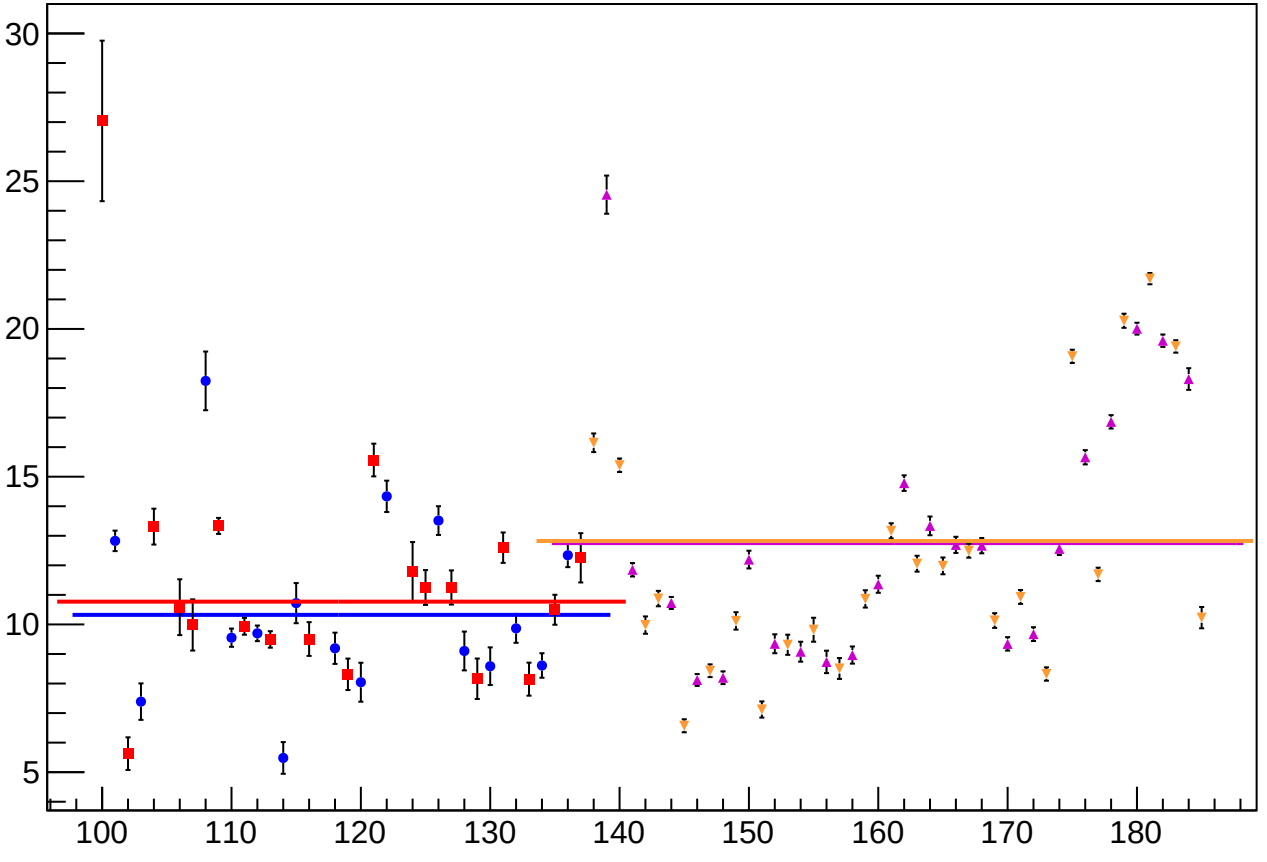
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.656+/-0.053 χ^2/NDF: 46350.2/40

All: 17.755+/-0.037 χ^2/NDF: 101586.9/82

- 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: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

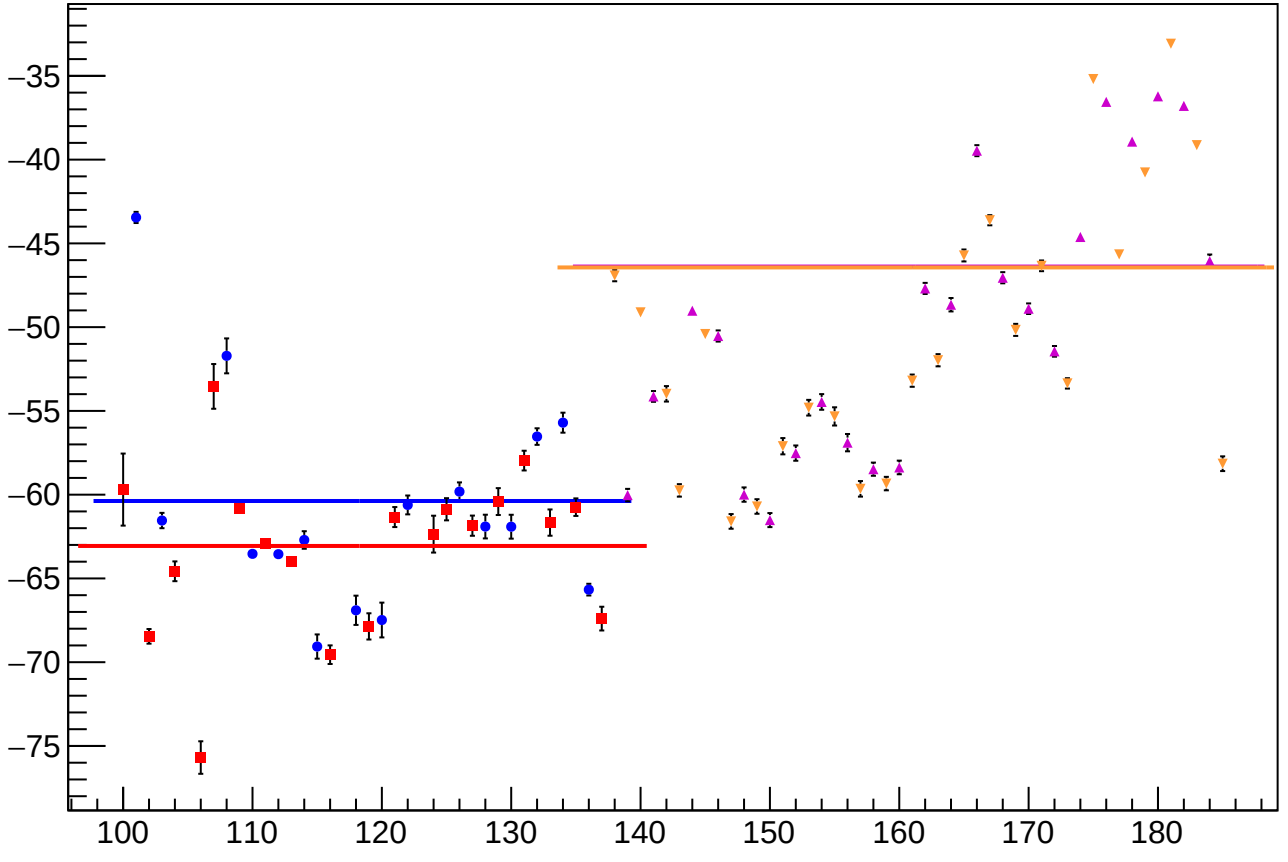
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

\+ sign 12.407+/-0.047 χ^2/NDF: 8820.2/40

All: 12.401+/-0.033 χ^2/NDF: 14991.1/82

\- 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: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

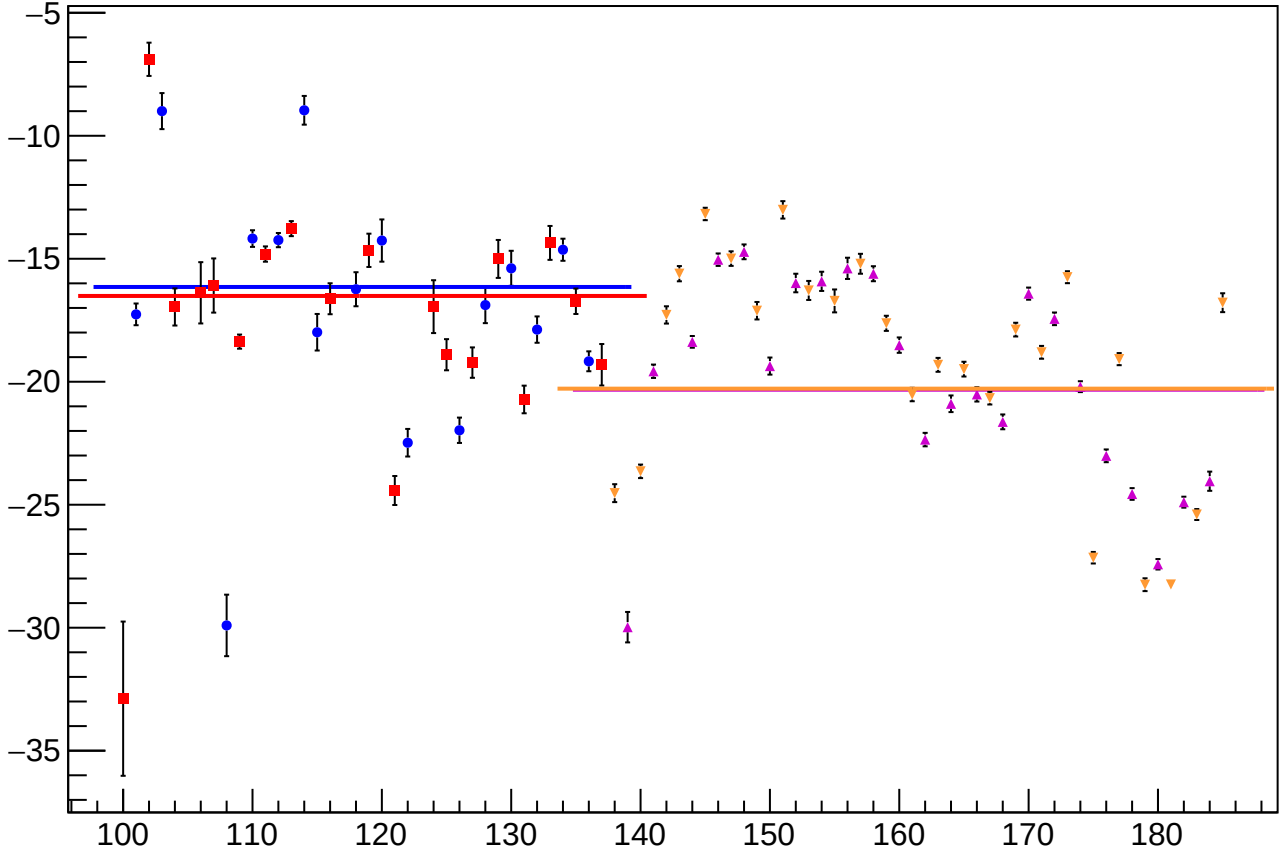
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.855+/-0.056 χ^2/NDF: 33256.0/40

All: -50.442+/-0.040 χ^2/NDF: 66827.1/82

- 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: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

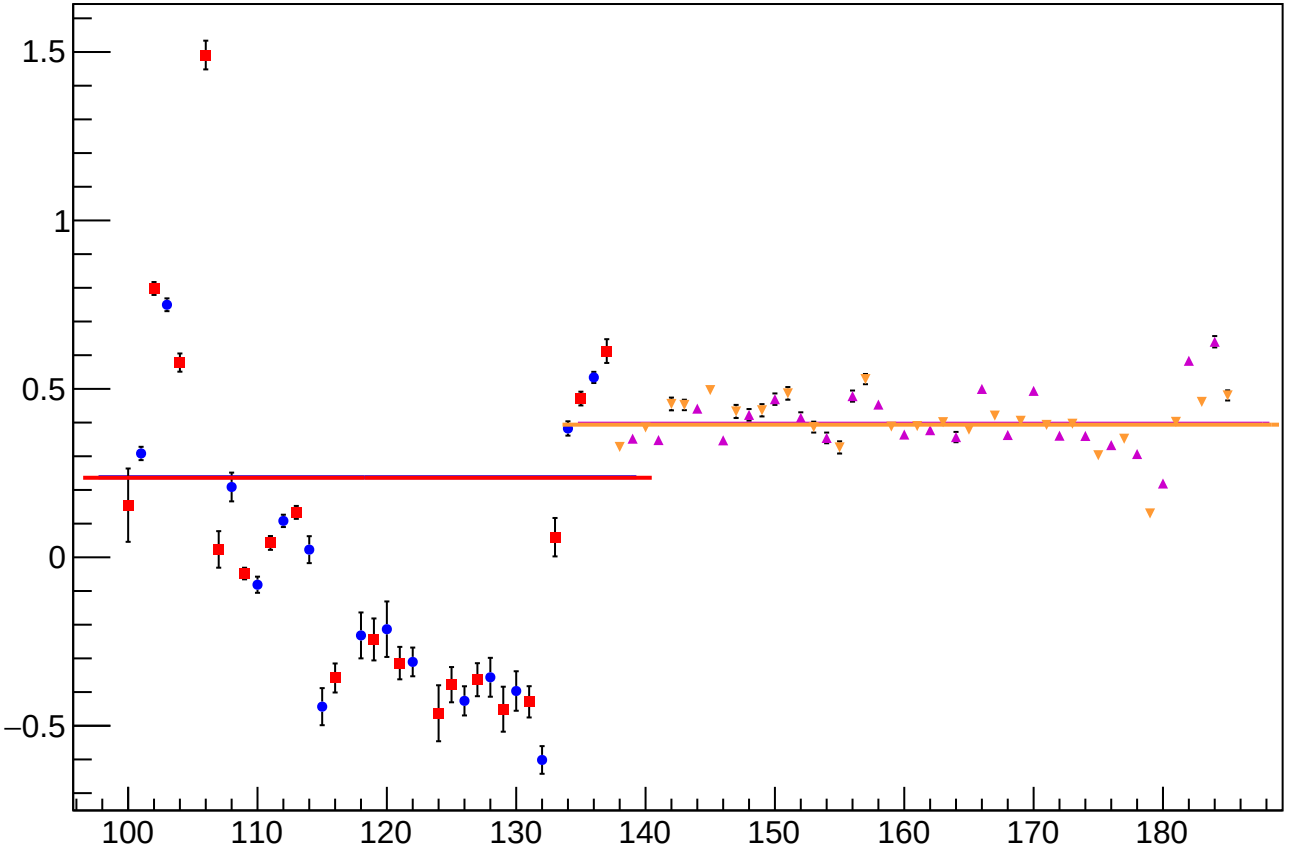
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.588+/-0.052 χ^2/NDF: 8696.3/40

All: -19.606+/-0.037 χ^2/NDF: 14417.8/82

- 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: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

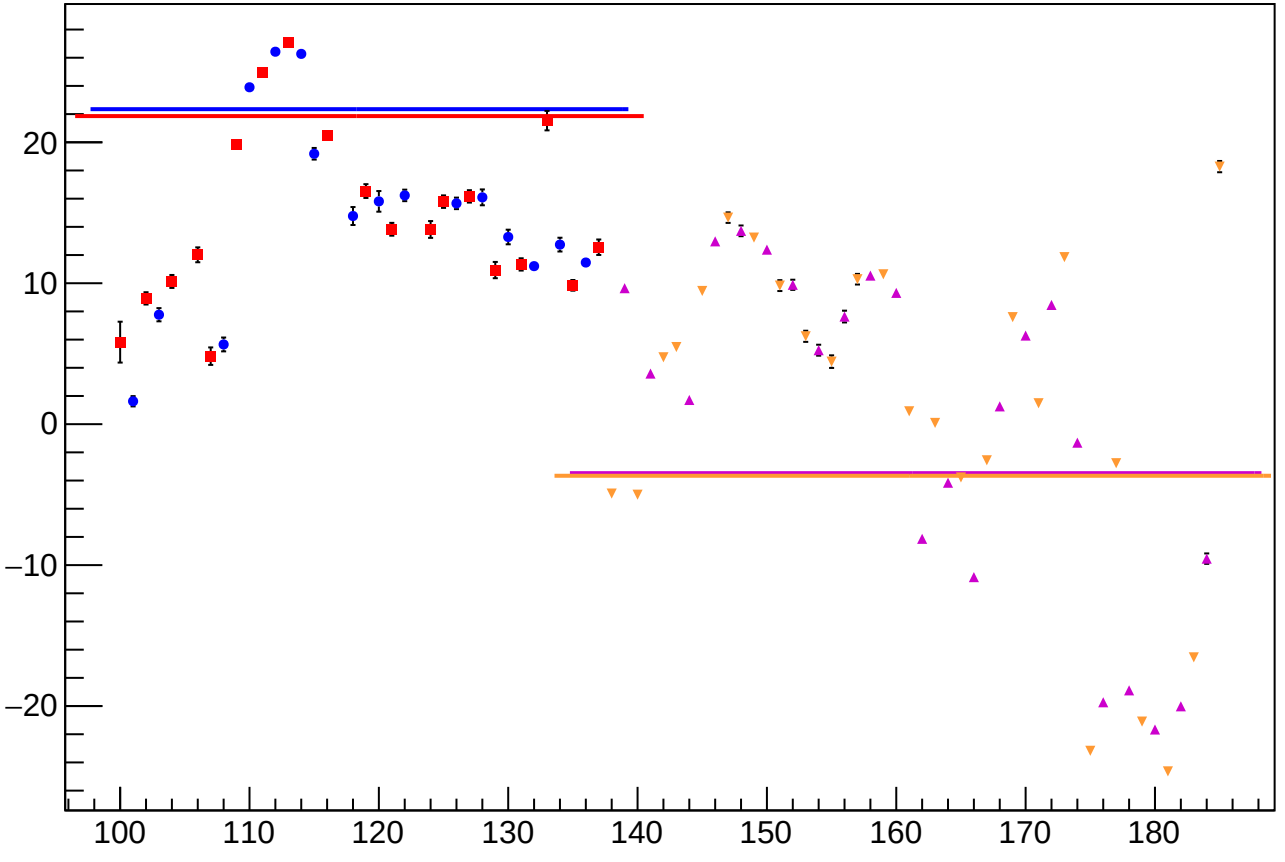
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.376+/-0.002 χ^2/NDF: 4011.0/40

All: 0.376+/-0.002 χ^2/NDF: 9352.3/82

- 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: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

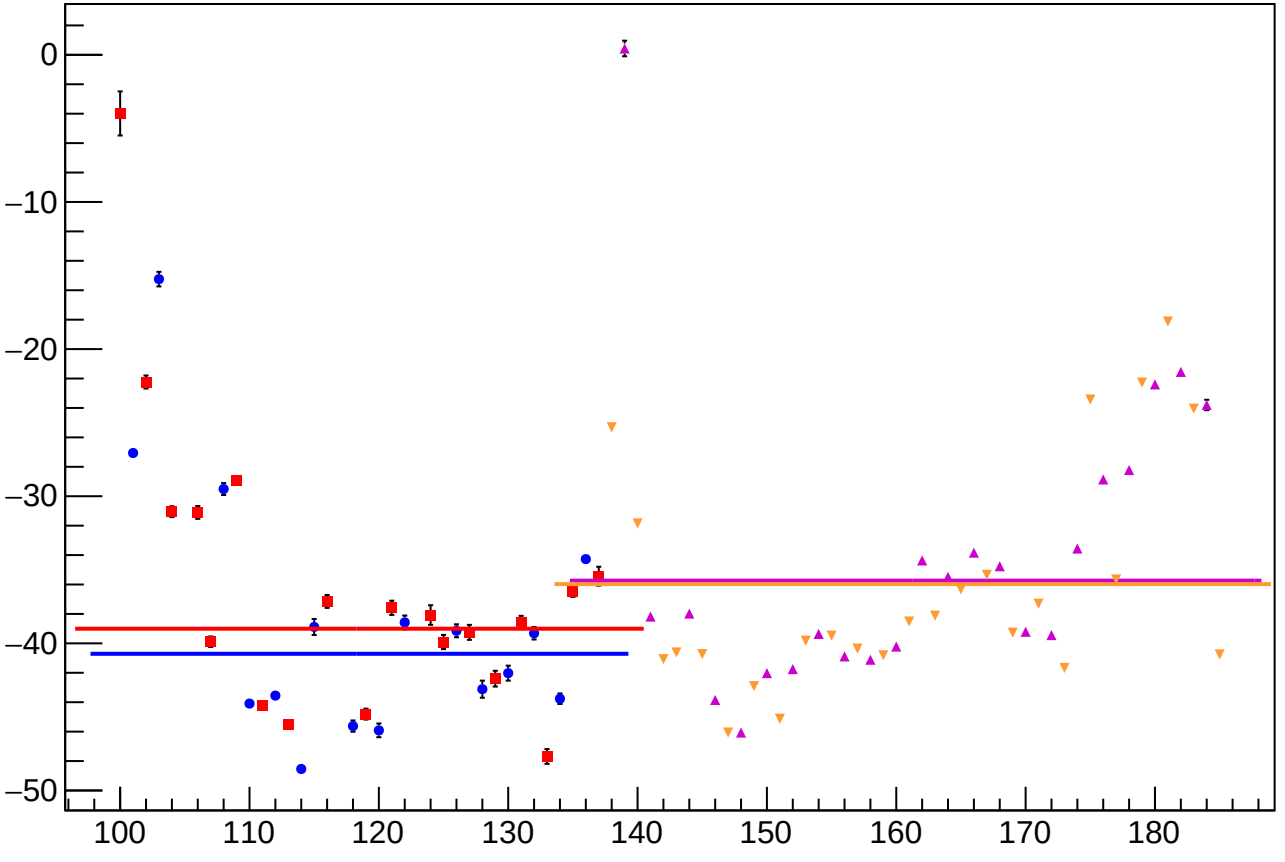
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.873+/-0.039 χ^2/NDF: 178677.0/40

All: 10.504+/-0.027 χ^2/NDF: 355663.3/82

- 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: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

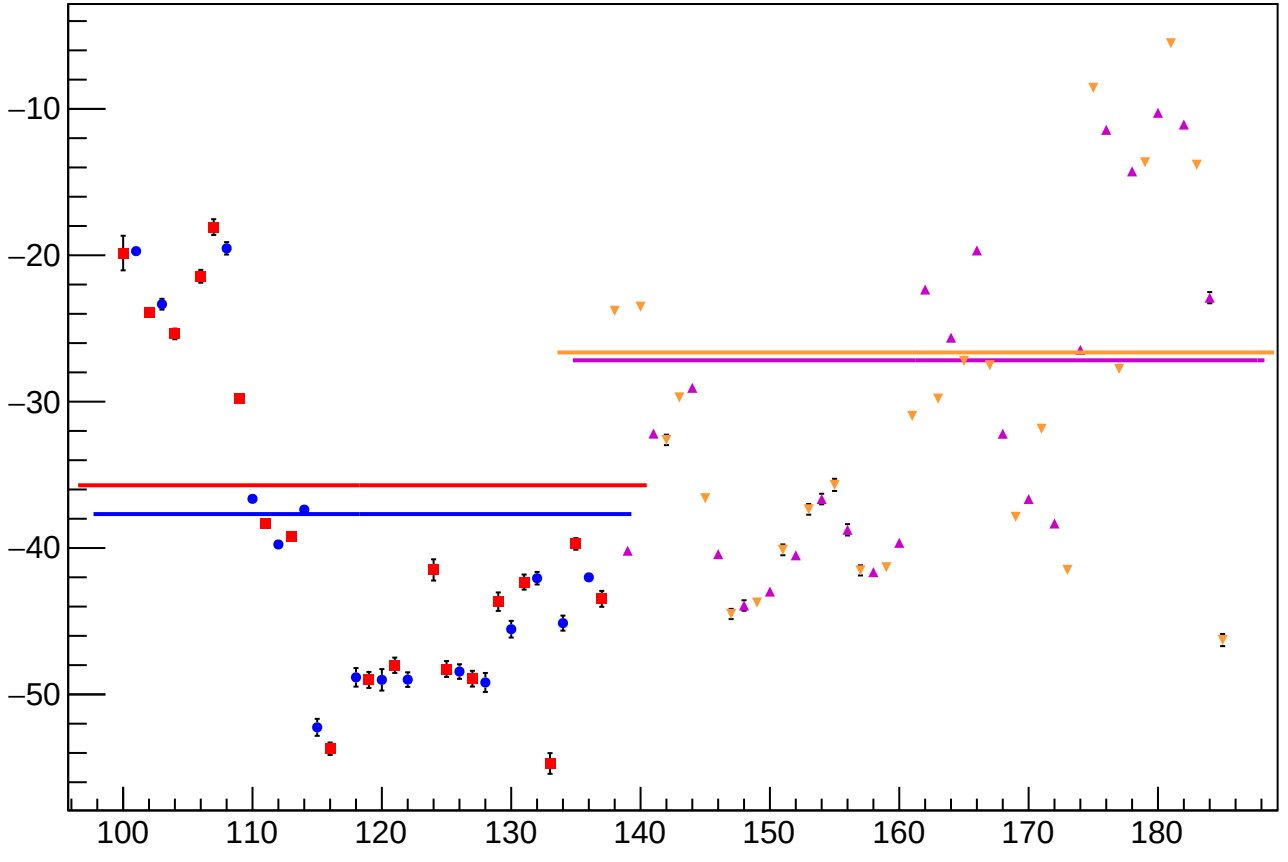
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.087+/-0.037 χ^2/NDF: 44321.4/40

All: -36.884+/-0.027 χ^2/NDF: 83150.3/82

- 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: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

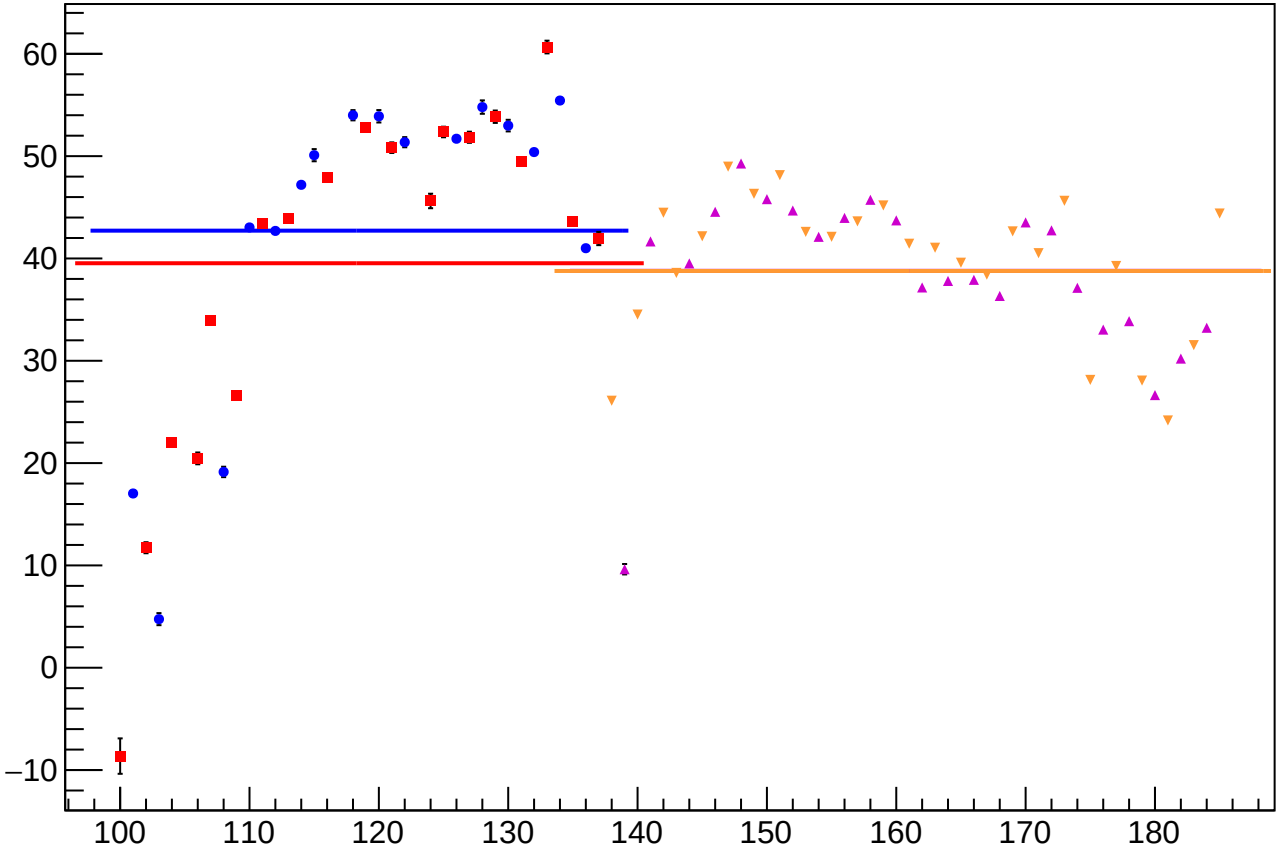
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.547+/-0.044 χ^2/NDF: 75389.3/40

All: -30.753+/-0.031 χ^2/NDF: 139530.4/82

- 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: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

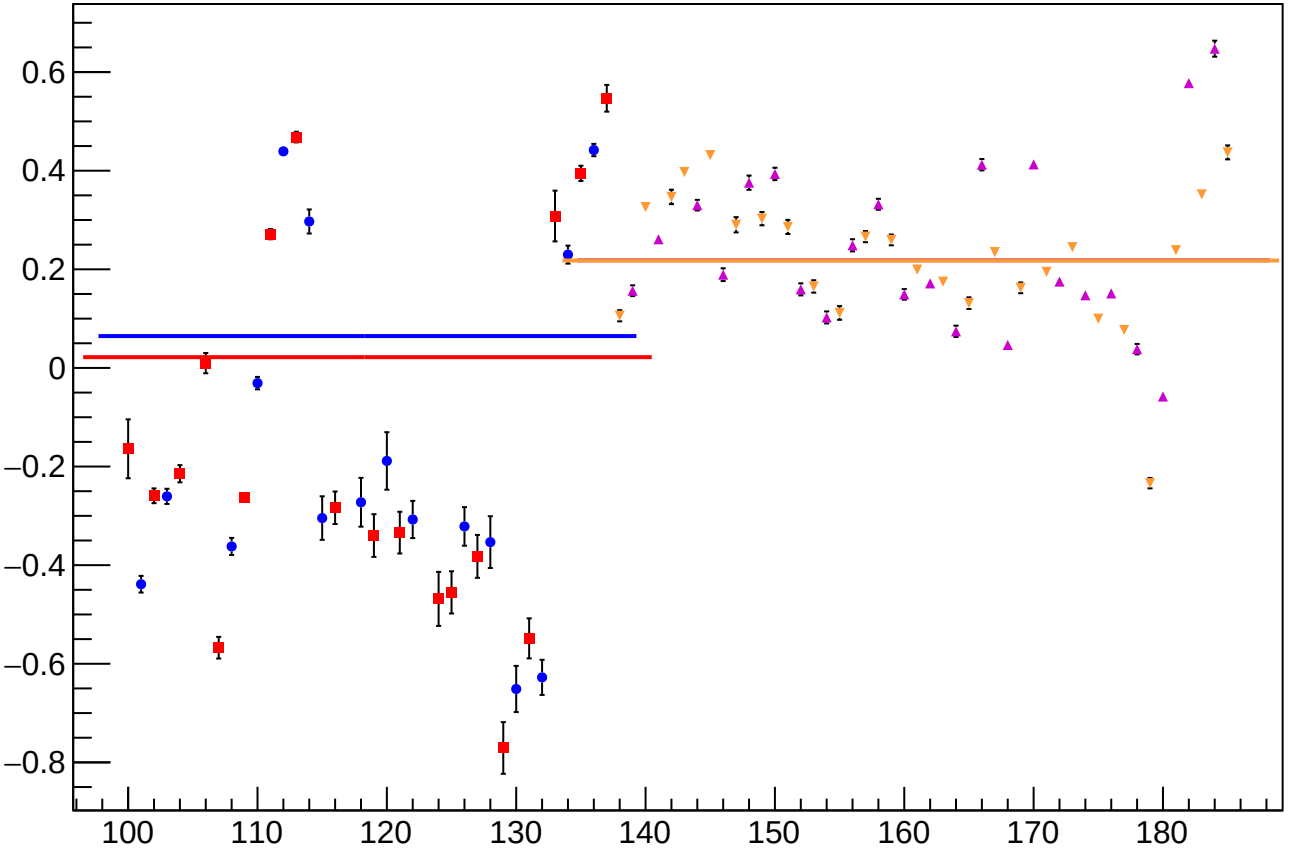
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.721+/-0.042 χ^2/NDF: 37468.3/40

All: 39.369+/-0.030 χ^2/NDF: 71895.4/82

- 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: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

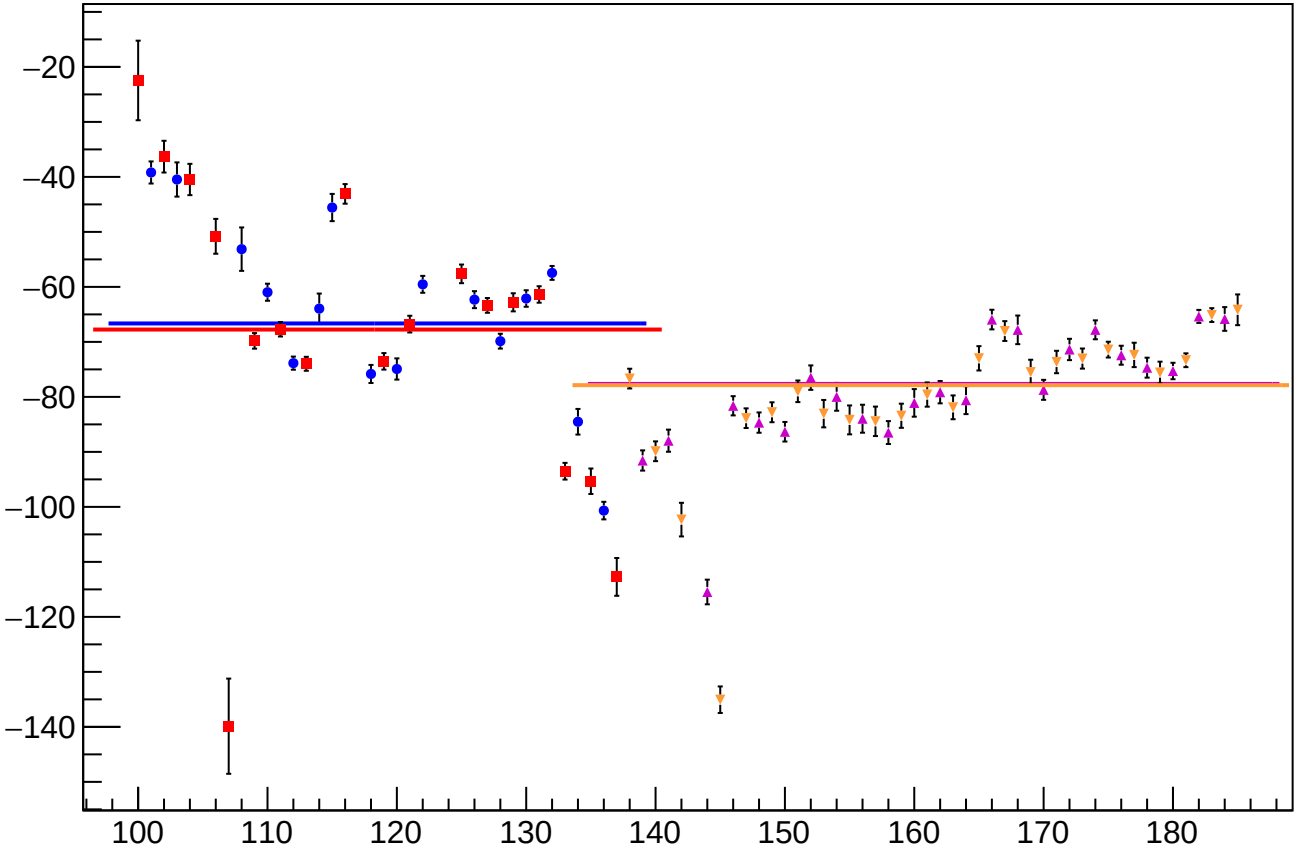
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.193+/-0.002 χ^2/NDF: 10410.0/40

All: 0.185+/-0.001 χ^2/NDF: 23749.0/82

- 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: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

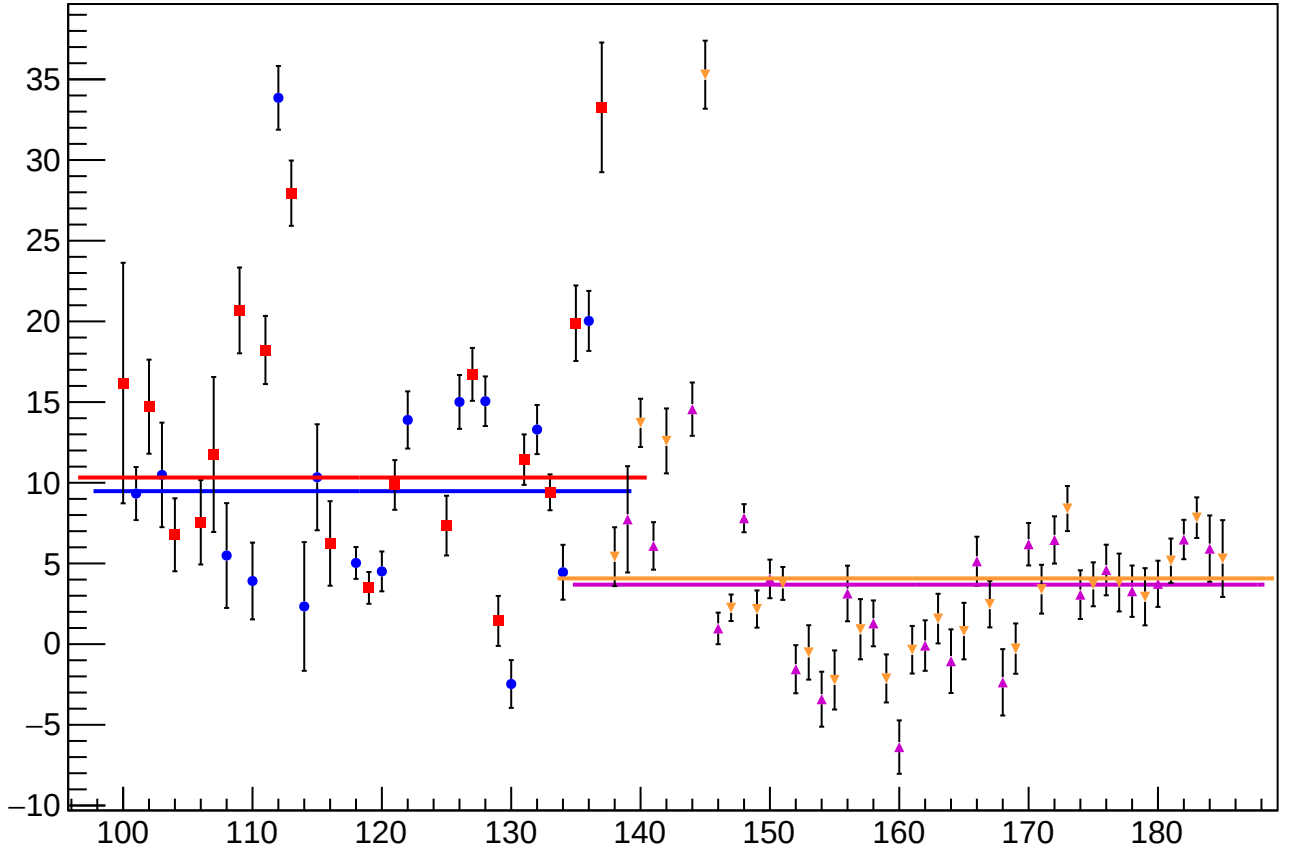
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -72.695+/-0.289 χ^2/NDF: 2358.4/39

All: -72.837+/-0.204 χ^2/NDF: 4601.1/80

- 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: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

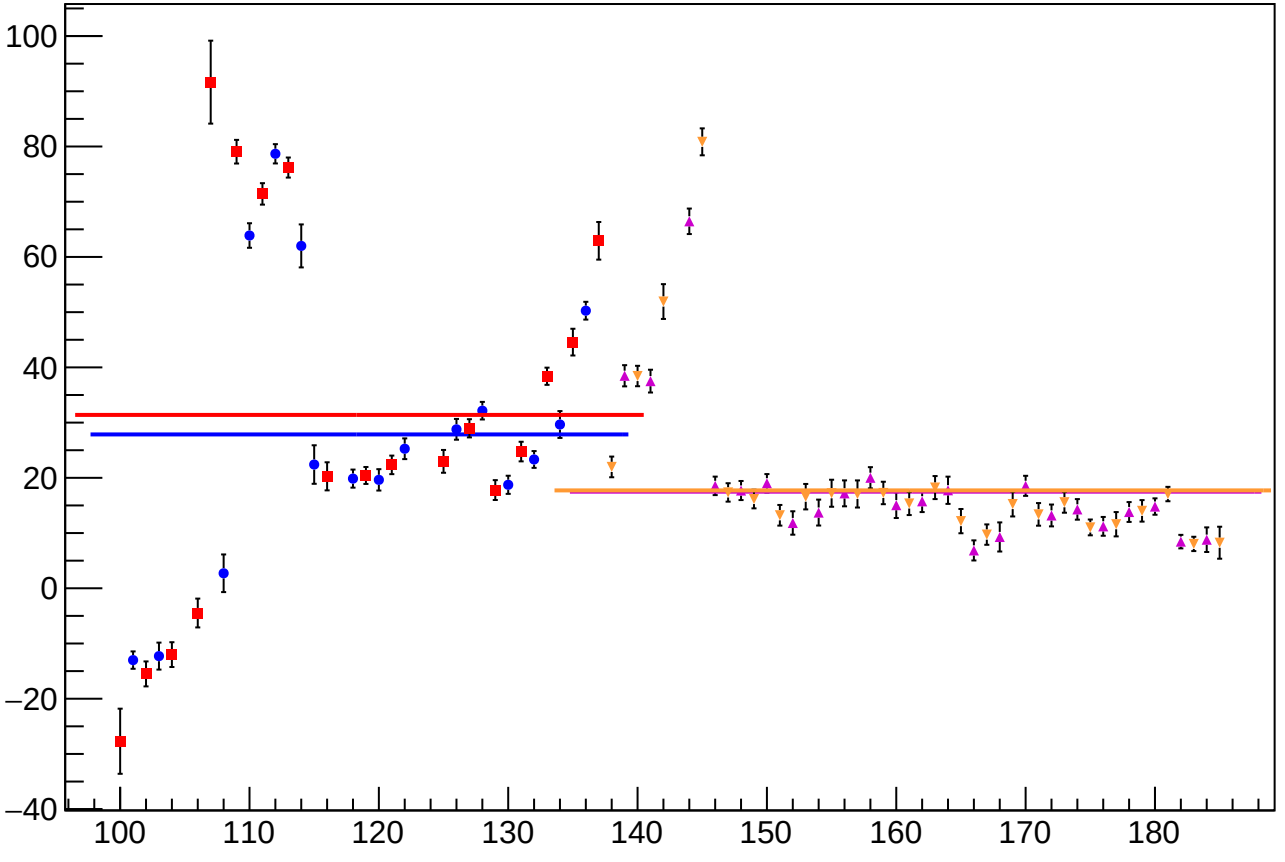
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.827+/-0.244 χ^2/NDF: 820.2/39

All: 5.833+/-0.174 χ^2/NDF: 1423.2/80

- 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: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

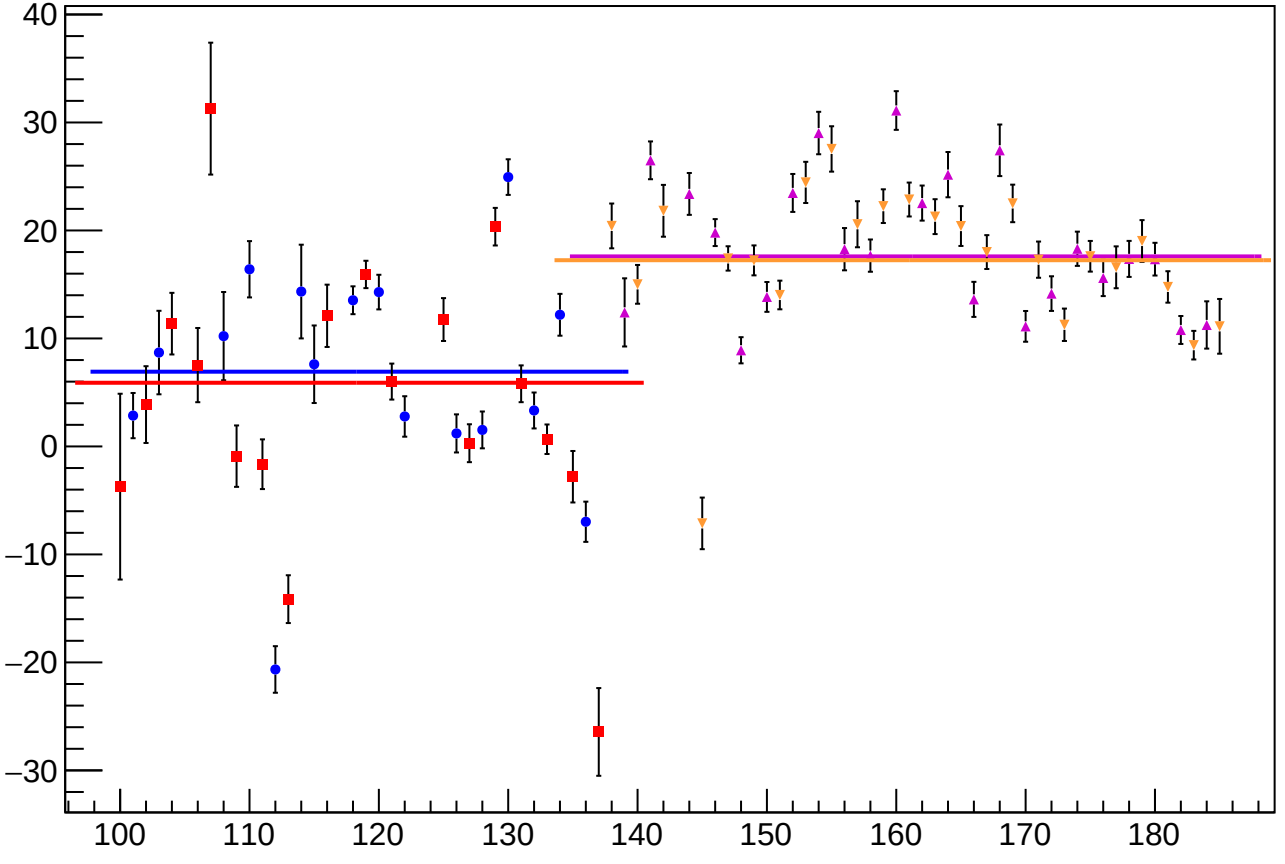
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

\+ sign 21.743+/-0.304 χ^2/NDF: 3798.7/39

All: 22.349+/-0.216 χ^2/NDF: 8131.9/80

\- 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: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

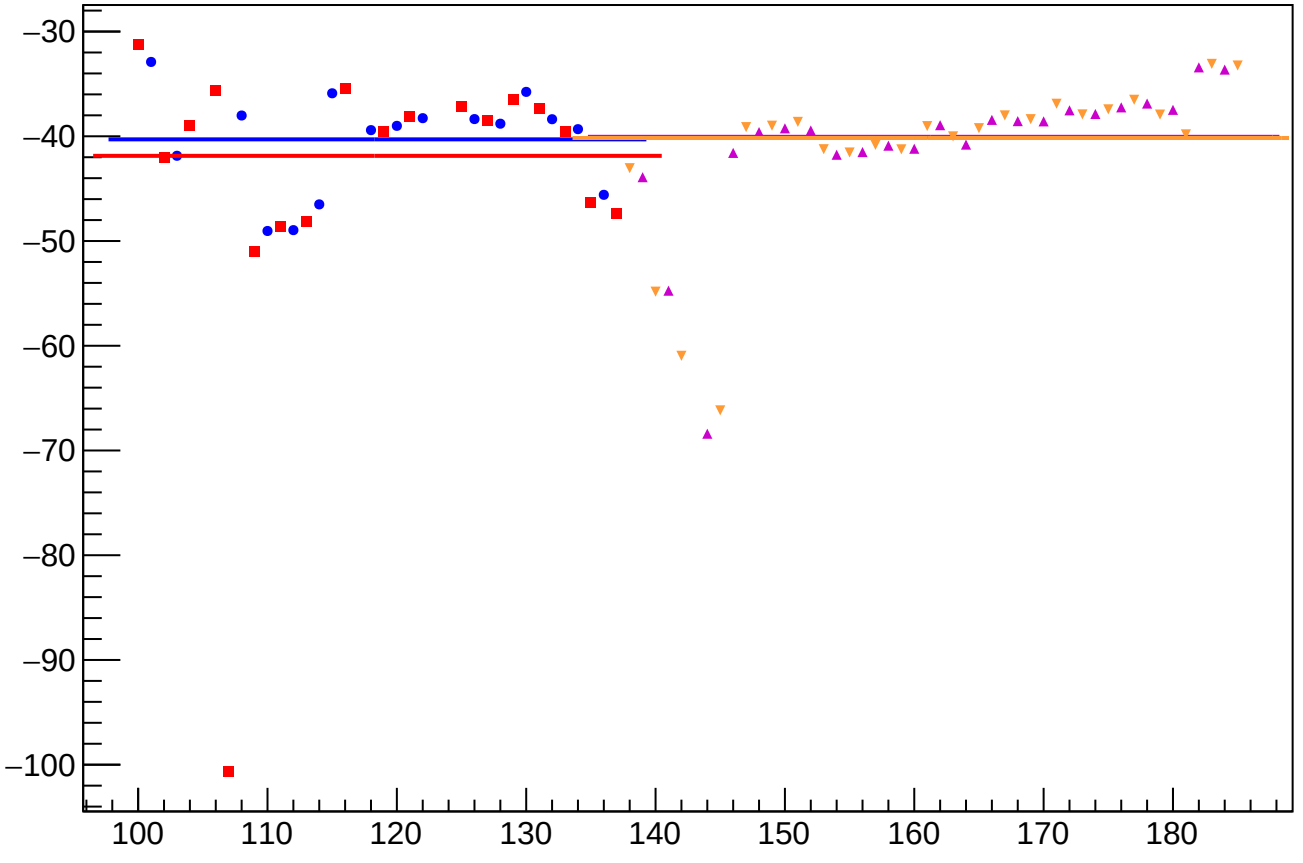
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.966+/-0.279 χ^2/NDF: 1001.3/39

All: 13.924+/-0.199 χ^2/NDF: 2049.8/80

- 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: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

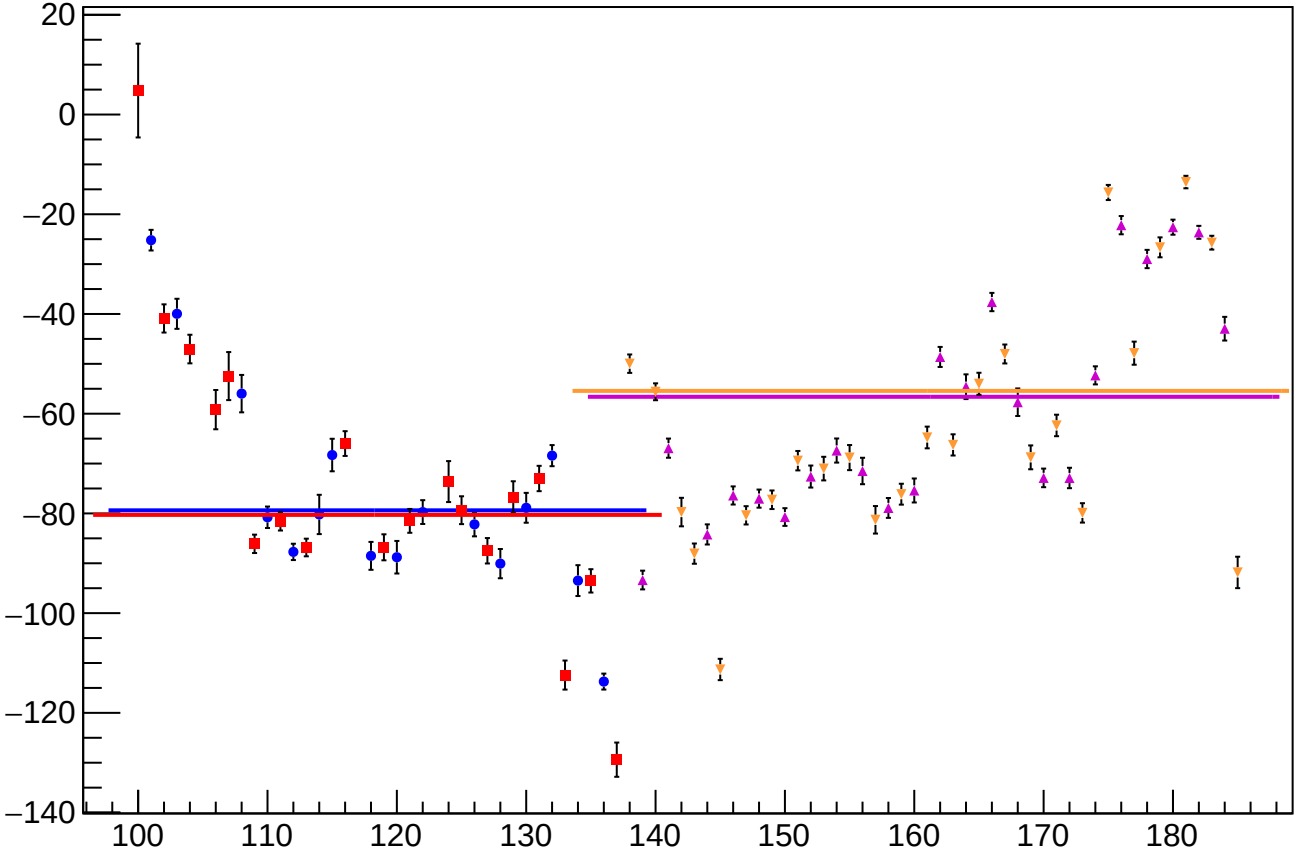
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.190+/-0.014 χ^2/NDF: 184012.9/39

All: -40.289+/-0.010 χ^2/NDF: 381895.9/80

- 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: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

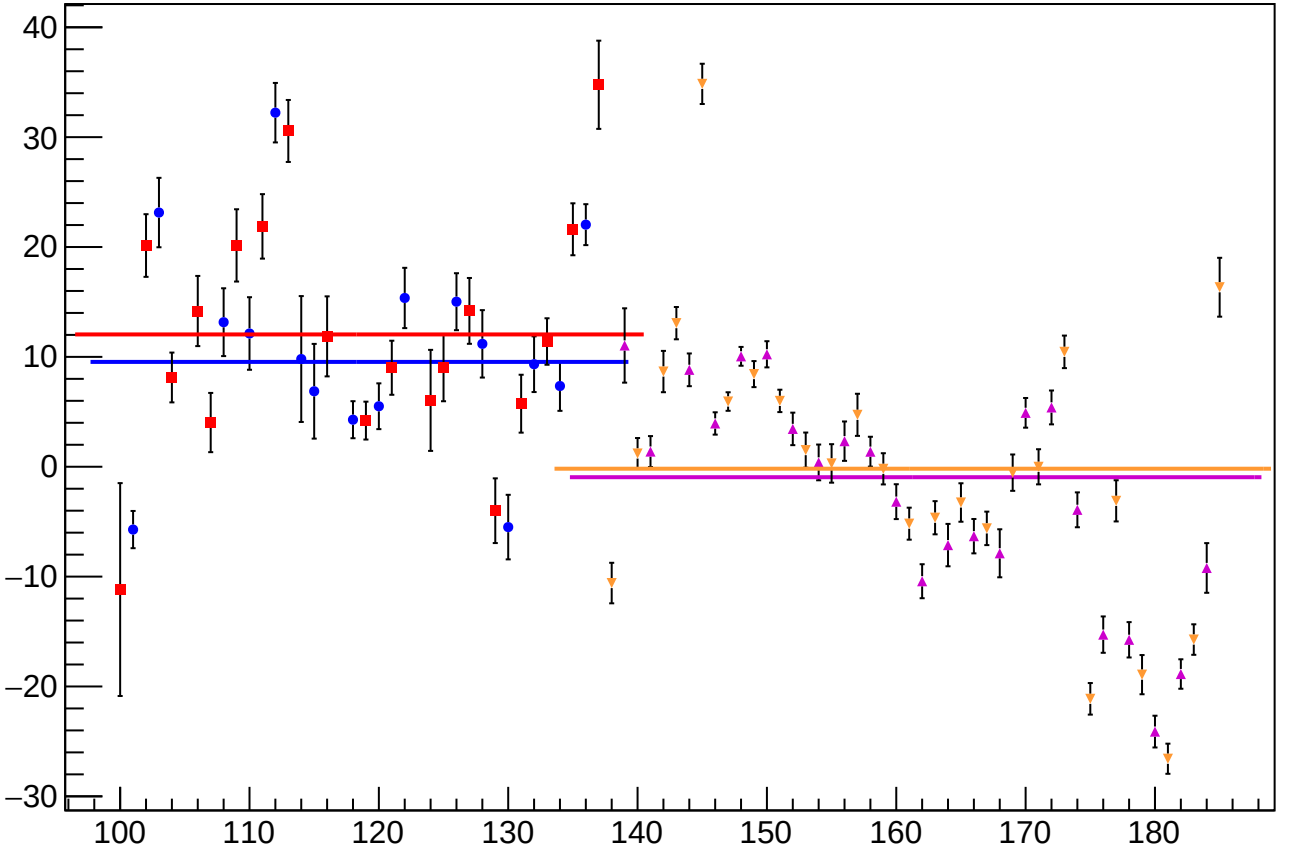
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -62.441+/-0.331 χ^2/NDF: 7088.1/40

All: -63.171+/-0.236 χ^2/NDF: 12425.6/82

- 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: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

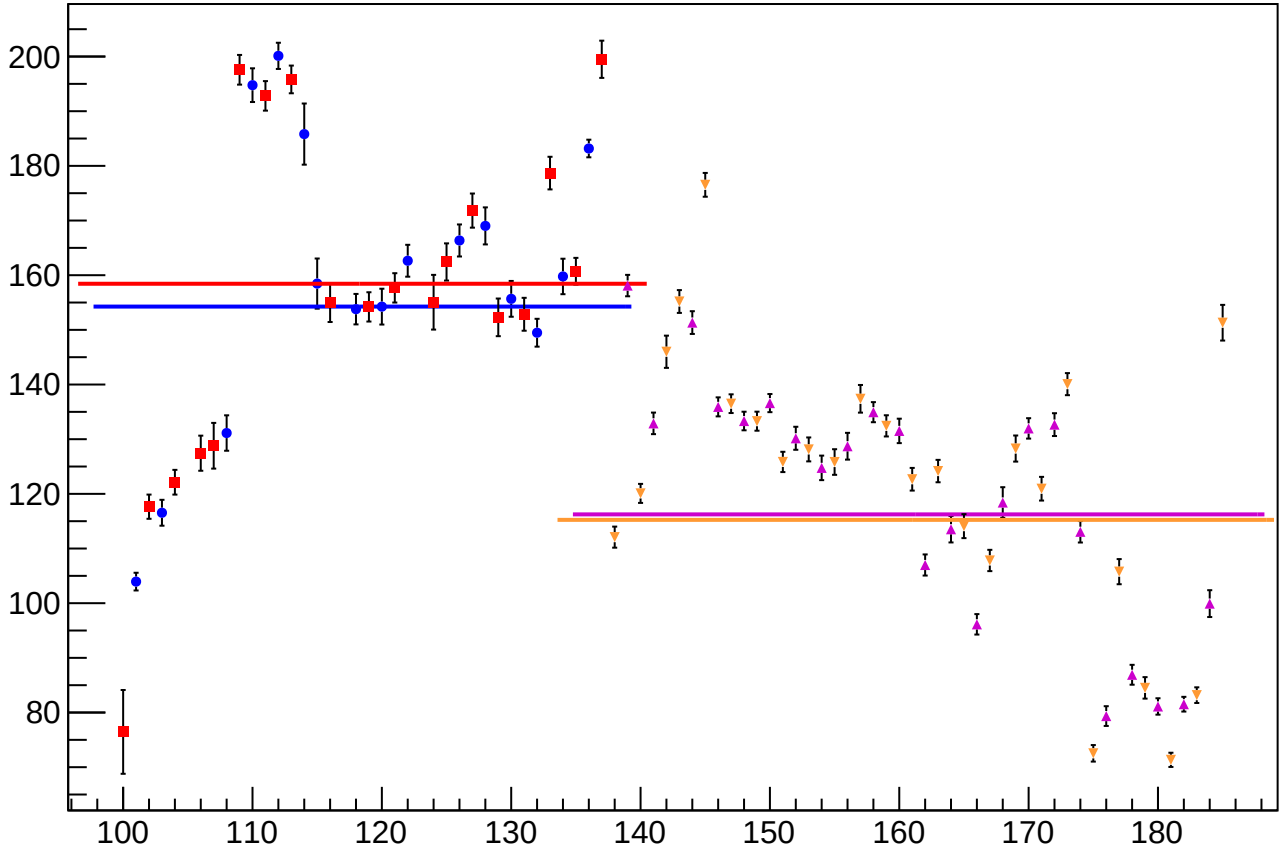
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 1.601+/-0.266 χ^2/NDF: 2065.7/40

All: 1.533+/-0.191 χ^2/NDF: 3670.3/82

- 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: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

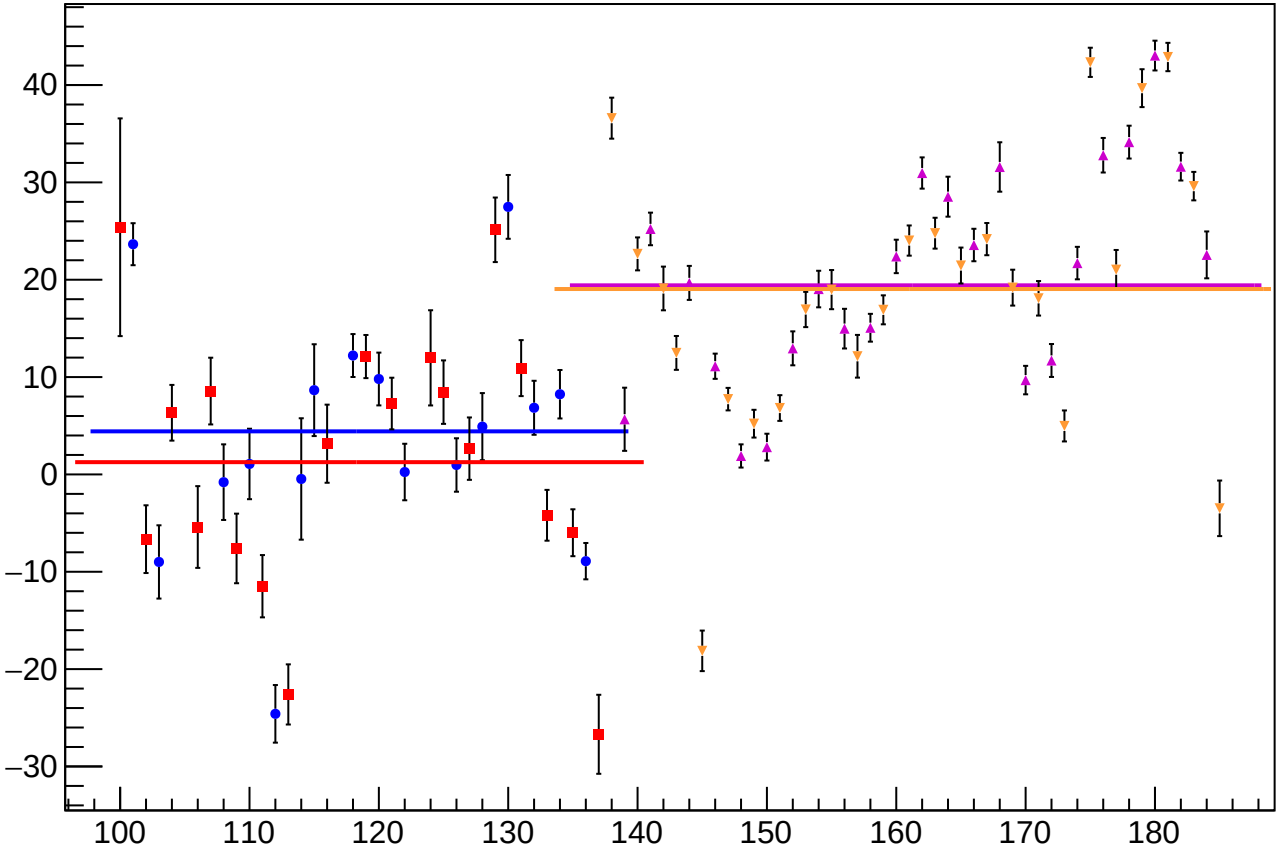
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 125.315+/-0.336 χ^2/NDF: 9629.3/40

All: 126.135+/-0.241 χ^2/NDF: 17789.7/82

- 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: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

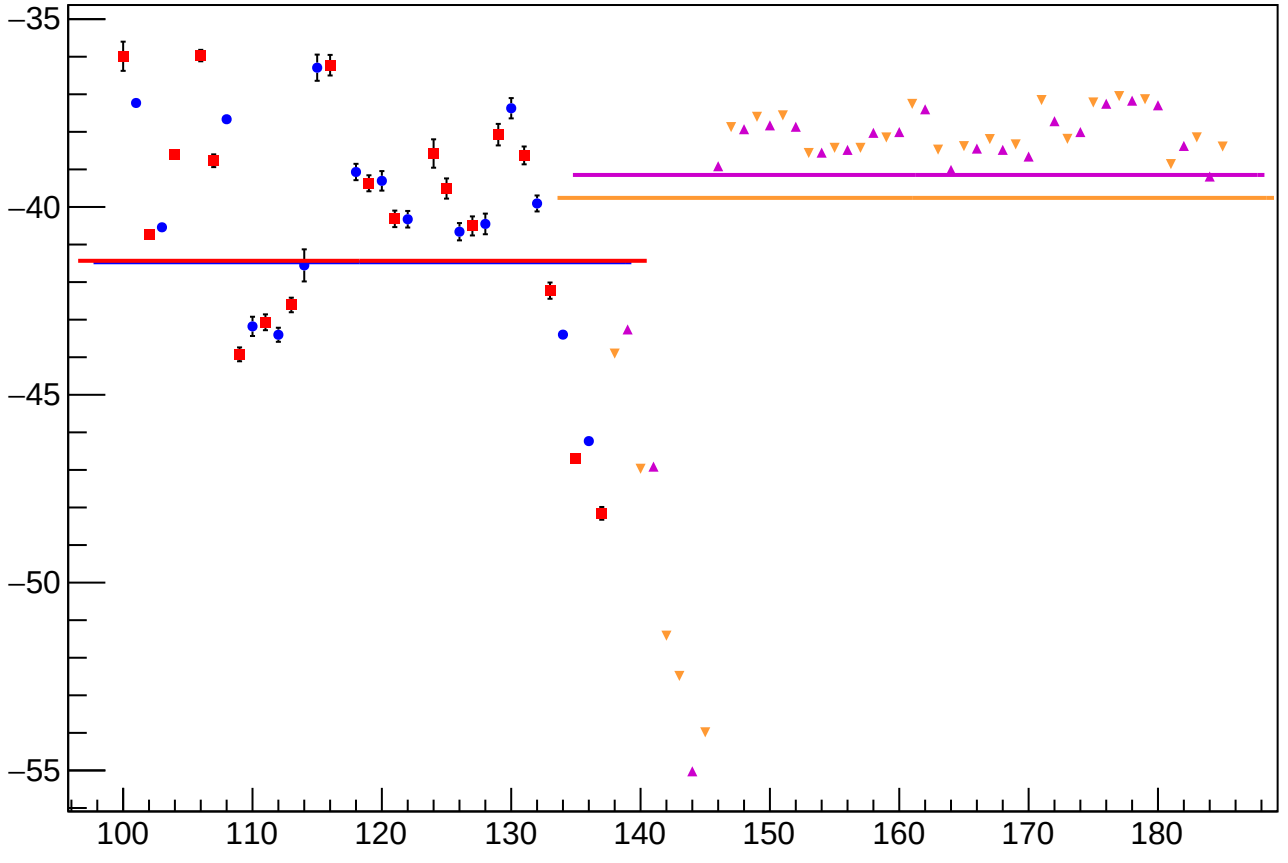
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.393+/-0.304 χ^2/NDF: 2205.2/40

All: 16.255+/-0.218 χ^2/NDF: 4051.6/82

- 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: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

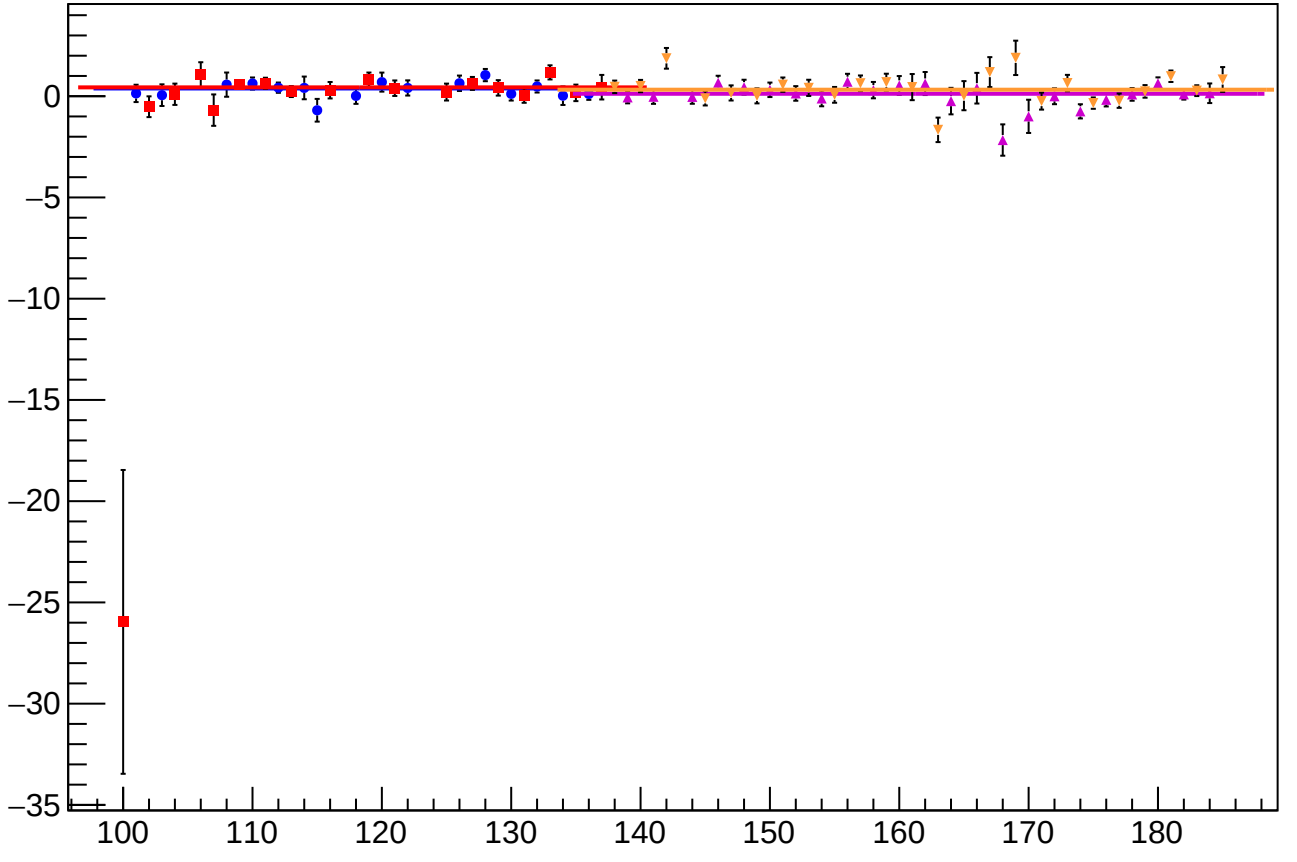
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.000+/-0.014 χ^2/NDF: 91514.0/40

All: -39.732+/-0.010 χ^2/NDF: 150253.0/82

- 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: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

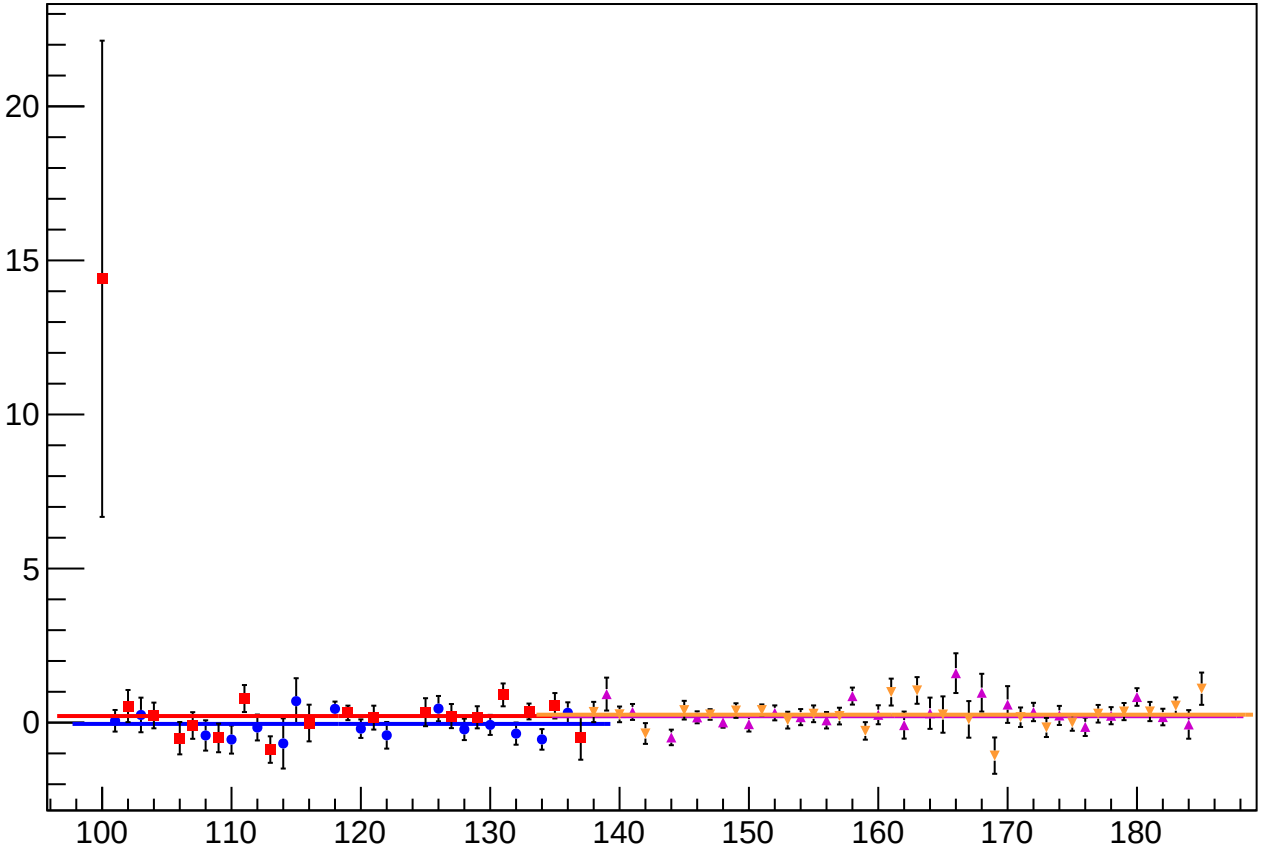
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.347+/-0.060 χ^2/NDF: 61.1/39

All: 0.302+/-0.042 χ^2/NDF: 128.1/80

- 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: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

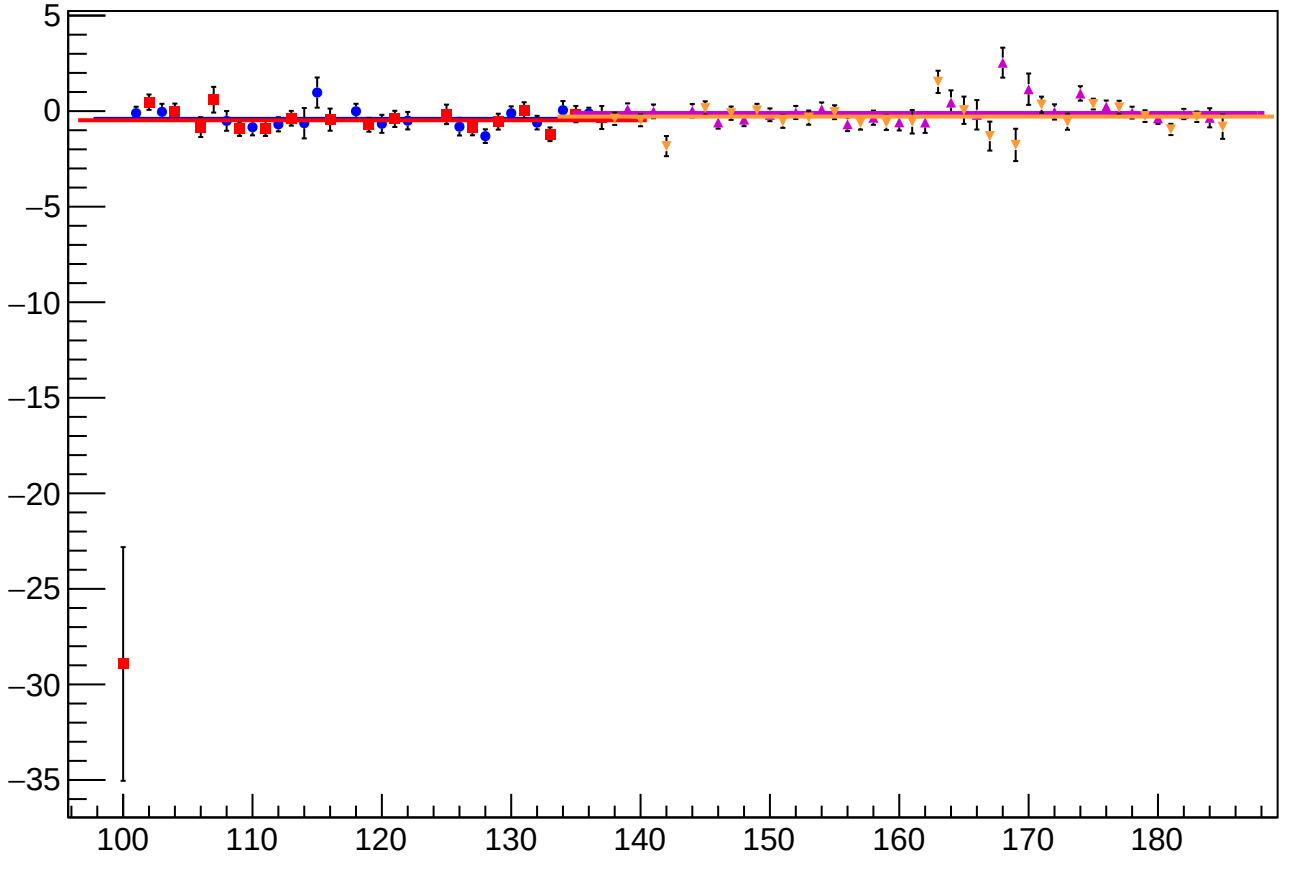
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.172+/-0.050 χ^2/NDF: 48.8/39

All: 0.190+/-0.036 χ^2/NDF: 103.3/80

- 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: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

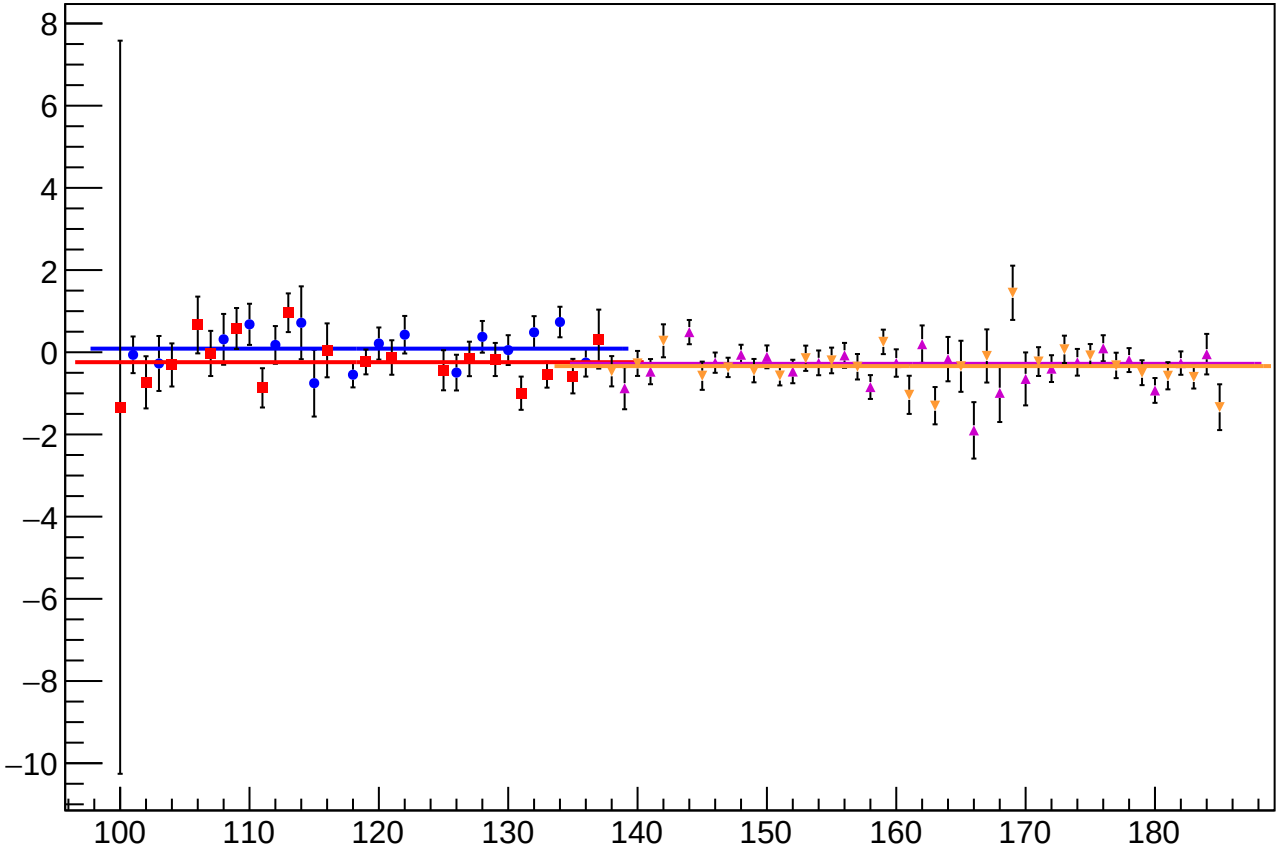
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.329+/-0.062 χ^2/NDF: 63.7/39

All: -0.283+/-0.044 χ^2/NDF: 148.7/80

- 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: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

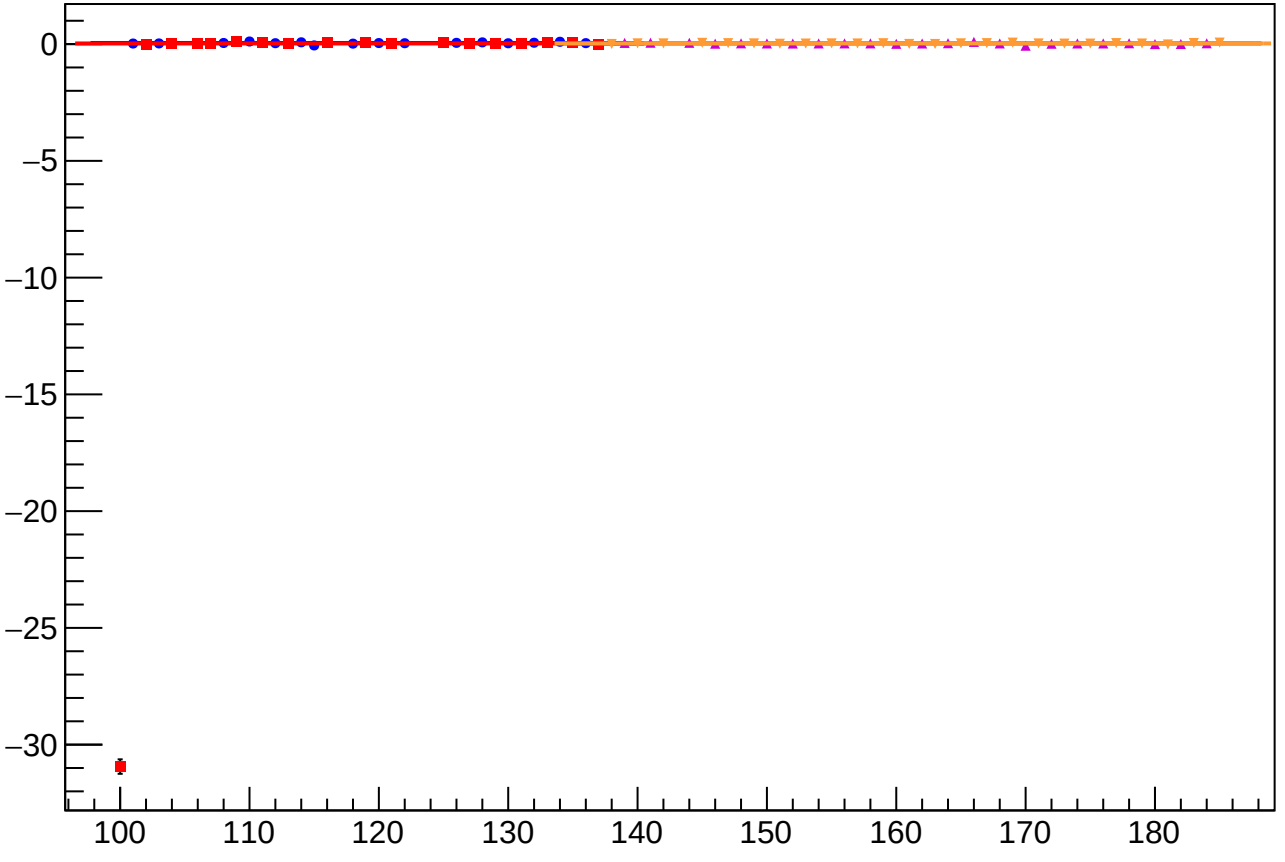
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.217+/-0.058 χ^2/NDF: 57.0/39

All: -0.243+/-0.041 χ^2/NDF: 106.2/80

- 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: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

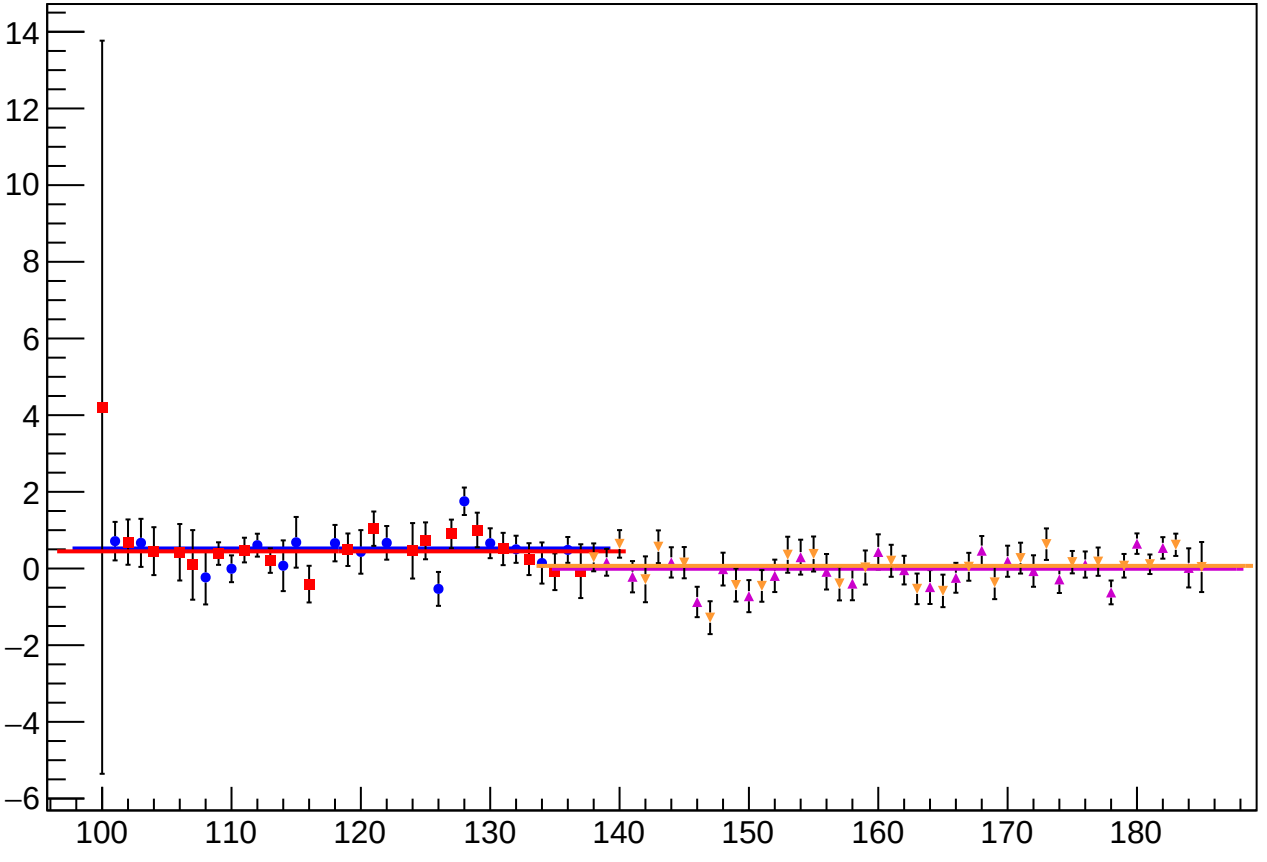
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.032+/-0.003 χ^2/NDF: 55.5/39

All: 0.031+/-0.002 χ^2/NDF: 10115.9/80

- 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+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

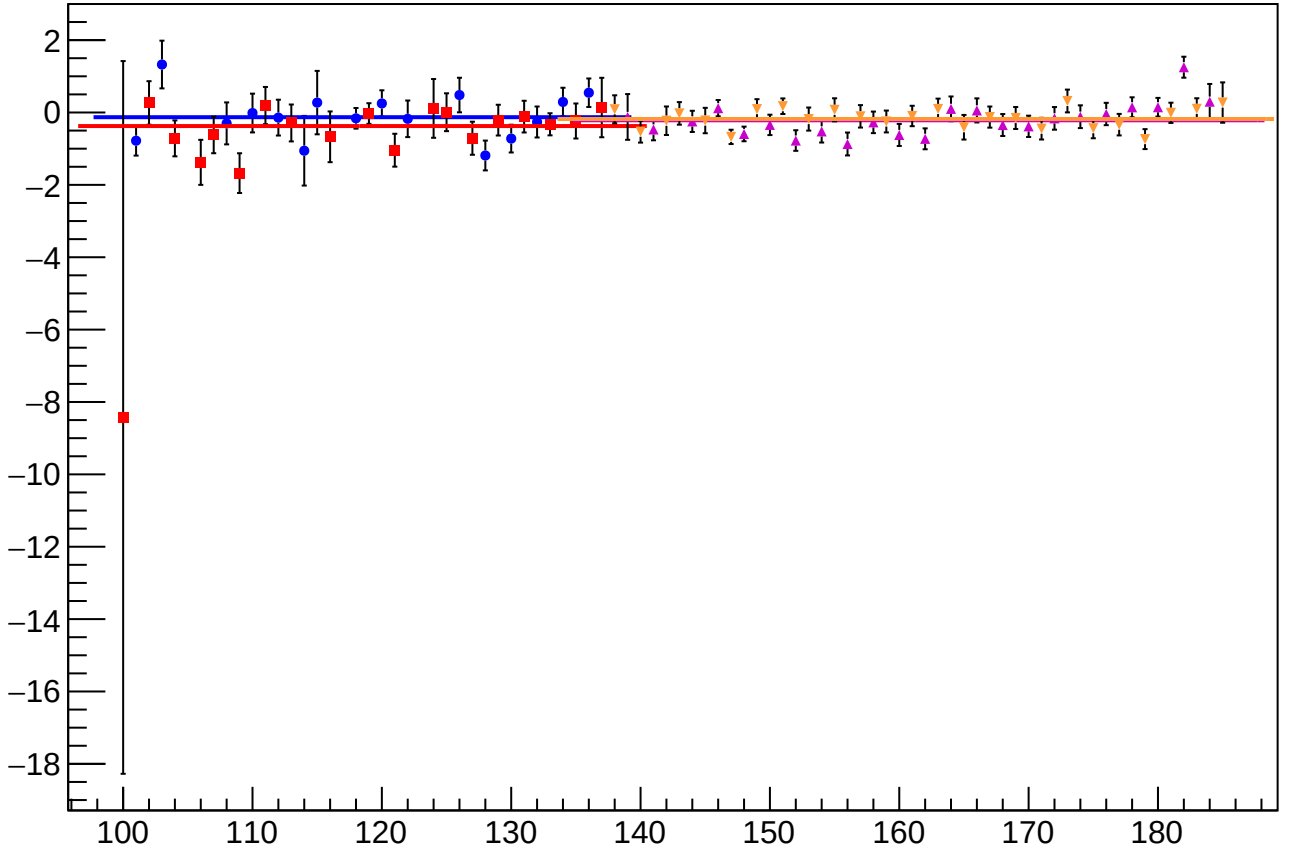
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.221+/-0.063 χ^2/NDF: 65.4/40

All: 0.190+/-0.045 χ^2/NDF: 117.6/82

- 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: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

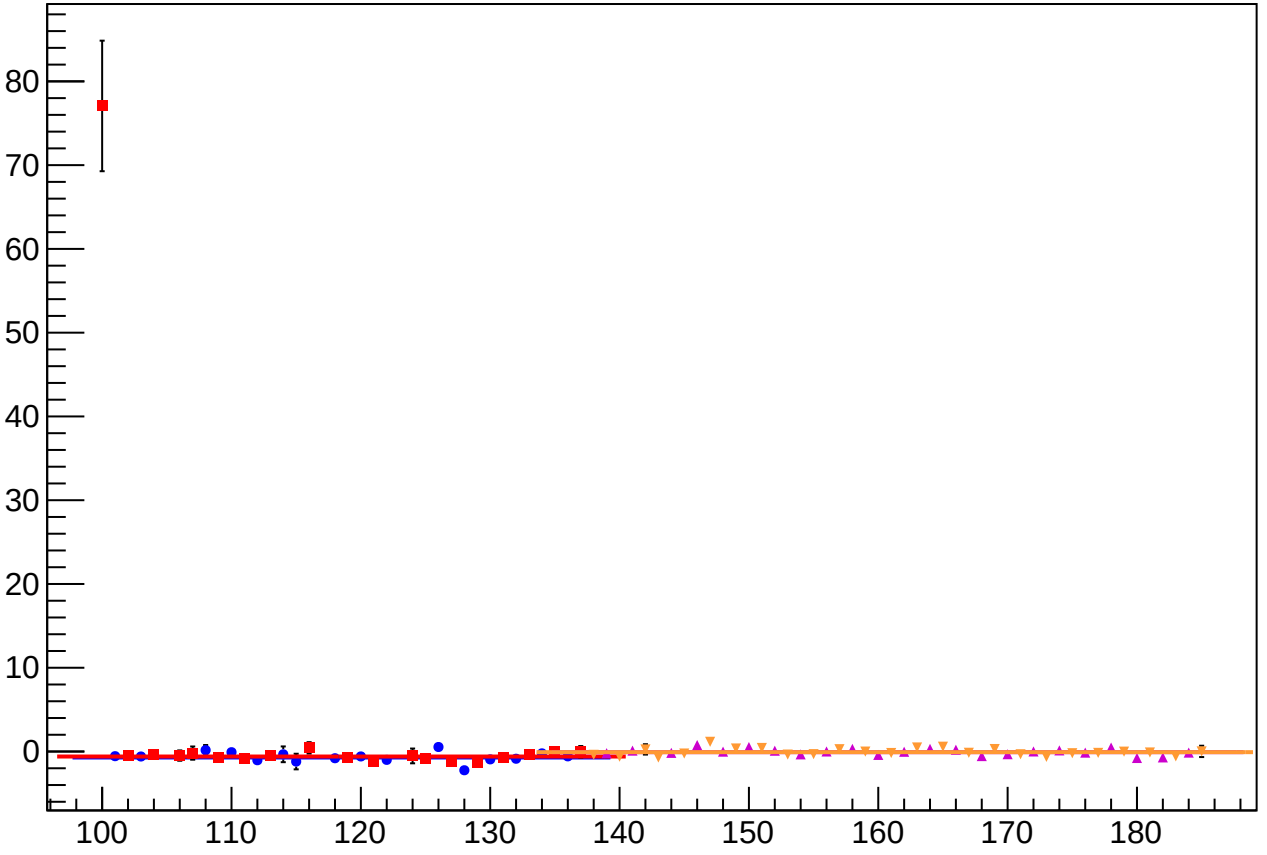
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.169+/-0.052 χ^2/NDF: 49.5/40

All: -0.210+/-0.037 χ^2/NDF: 124.1/82

- 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: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

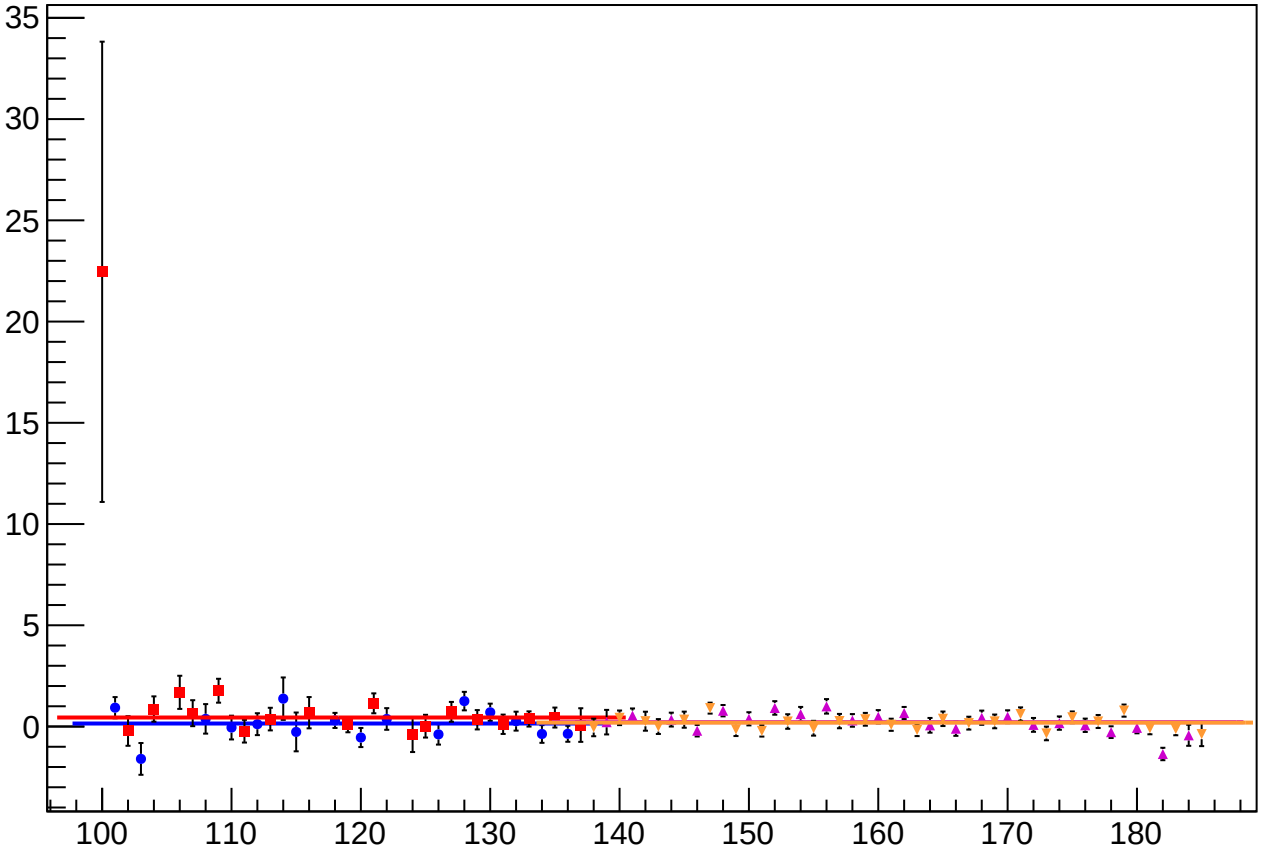
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.258+/-0.065 χ^2/NDF: 74.4/40

All: -0.244+/-0.046 χ^2/NDF: 226.8/82

- 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: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

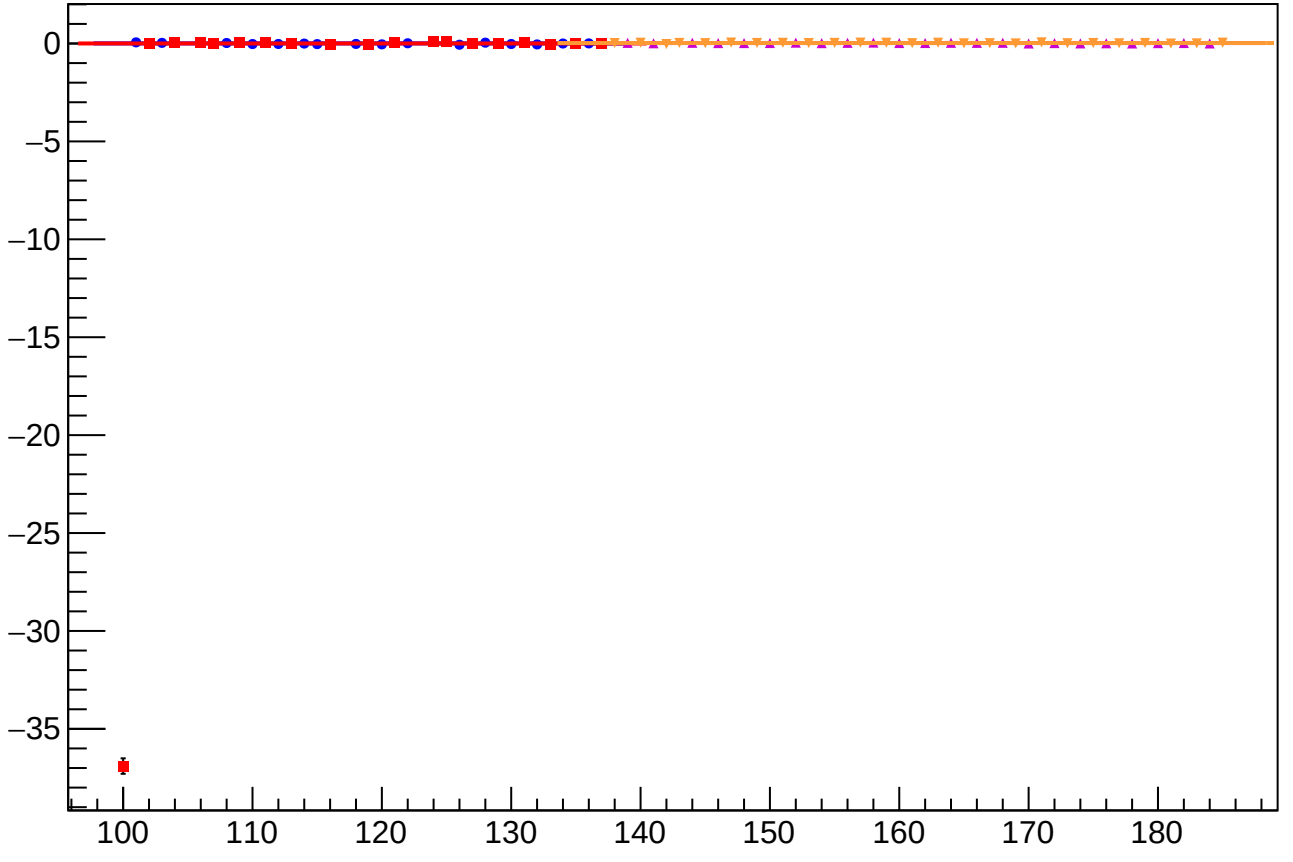
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.184+/-0.059 χ^2/NDF: 49.2/40

All: 0.224+/-0.042 χ^2/NDF: 127.5/82

- 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:30.2/24

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

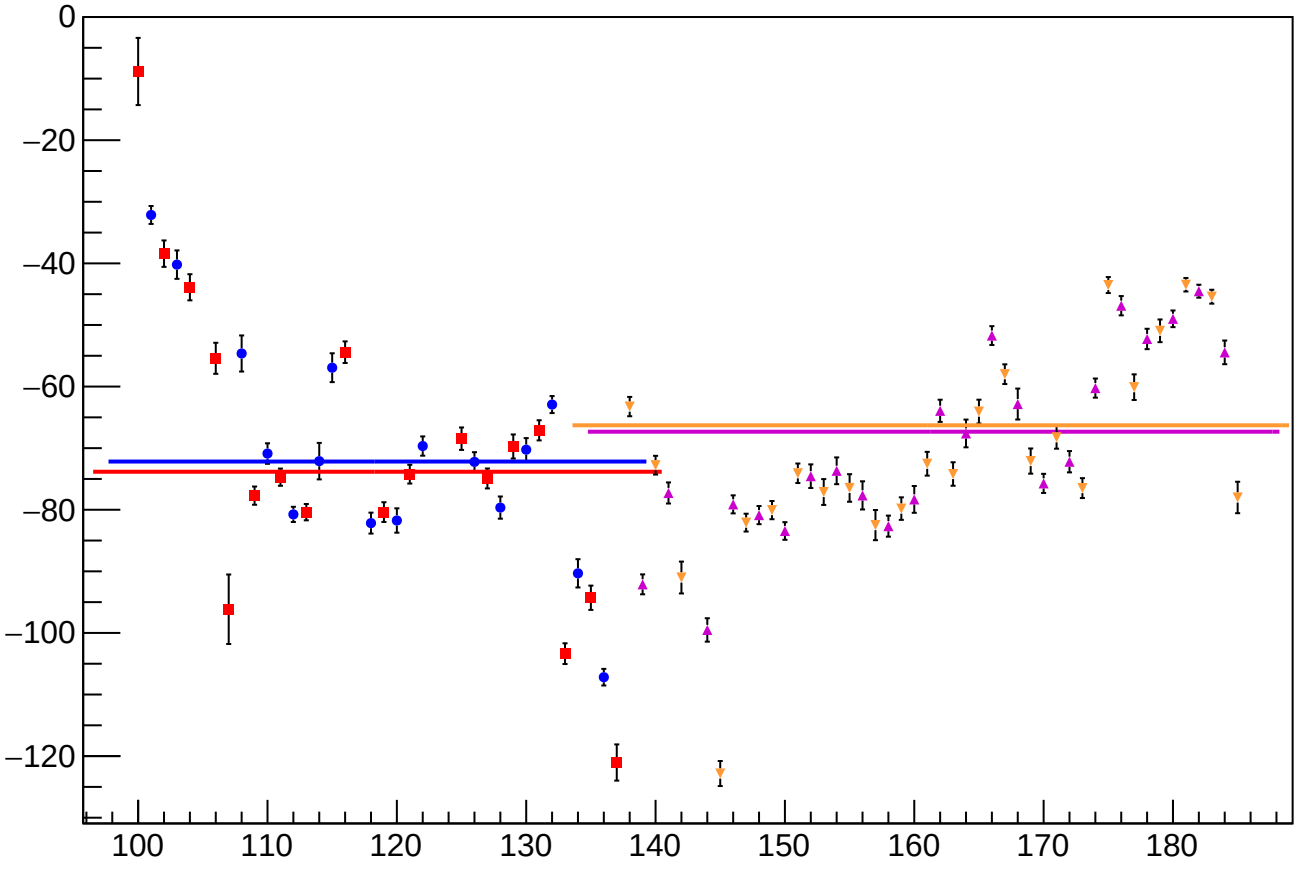
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 52.8/40

All: 0.021+/-0.002 χ^2/NDF: 8831.7/82

- 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: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

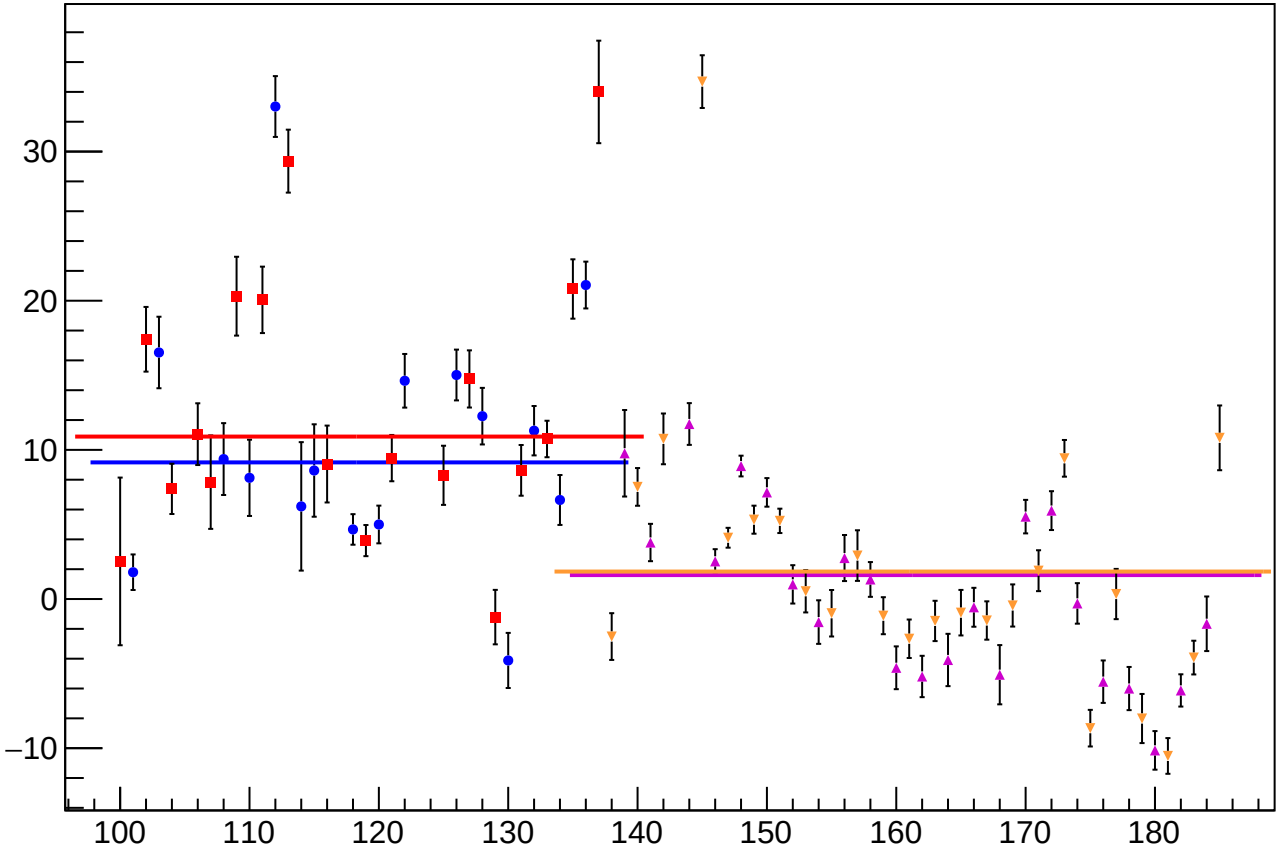
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -68.571+/-0.269 χ^2/NDF: 4599.9/39

All: -69.221+/-0.190 χ^2/NDF: 8410.7/80

- 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: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

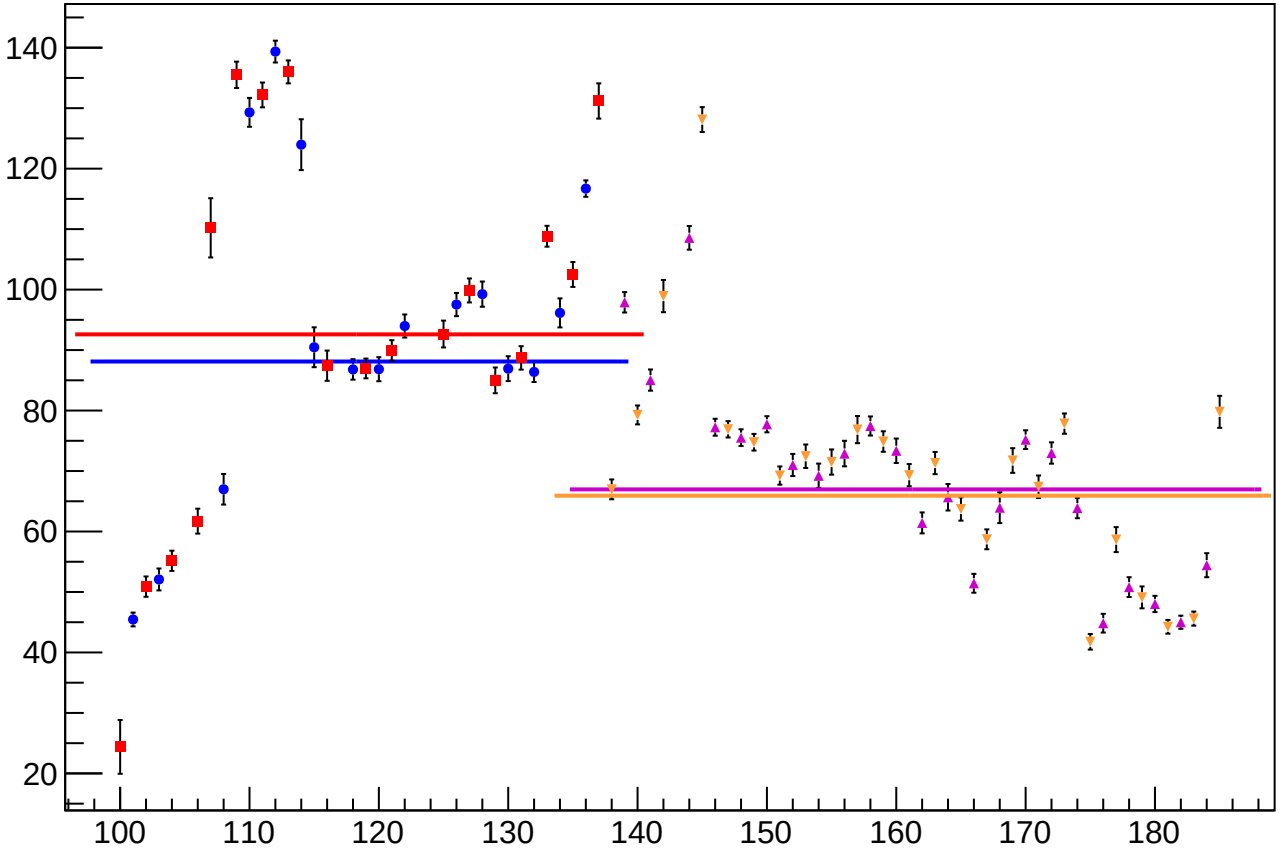
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 3.773+/-0.218 χ^2/NDF: 1351.8/39

All: 3.877+/-0.156 χ^2/NDF: 2470.1/80

\- 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: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

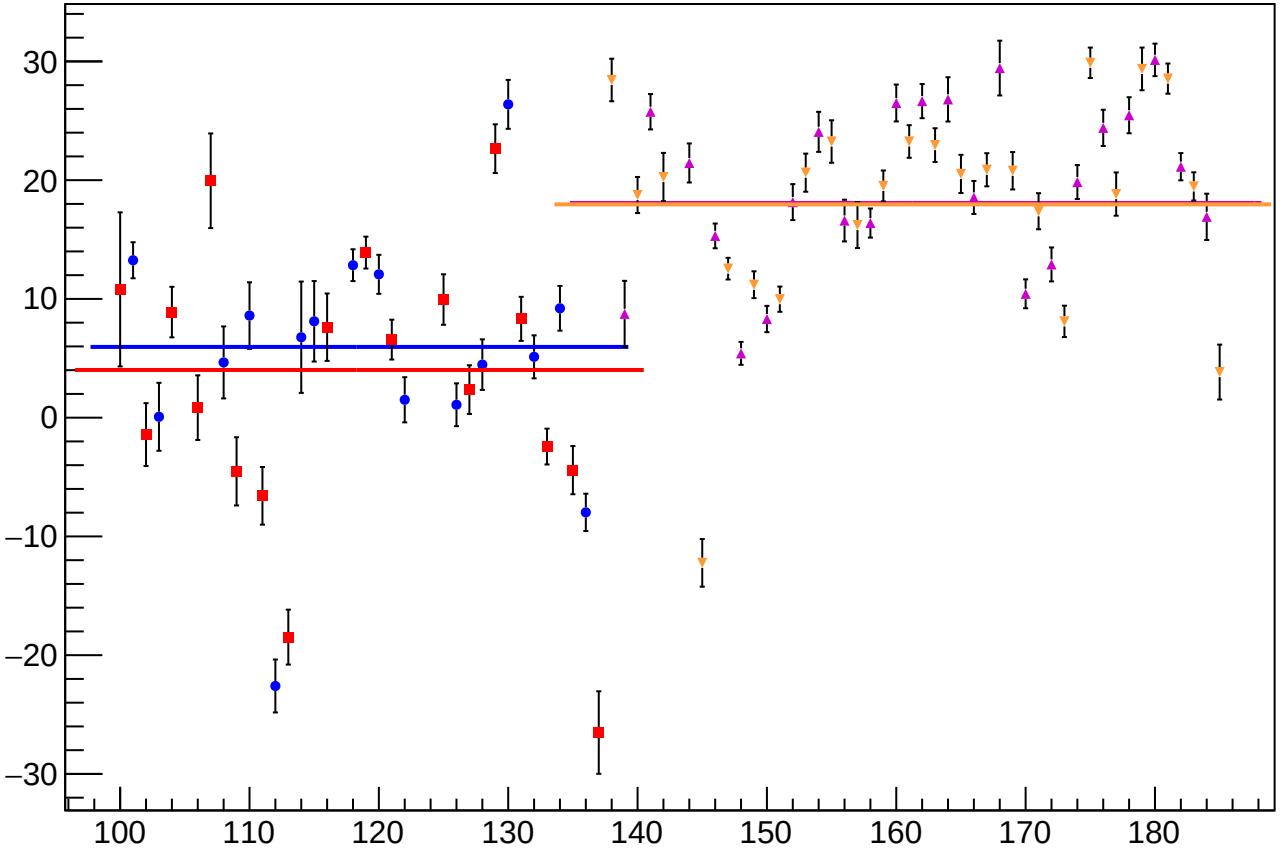
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 73.590+/-0.275 χ^2/NDF: 7584.3/39

All: 74.531+/-0.196 χ^2/NDF: 14918.3/80

- 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: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

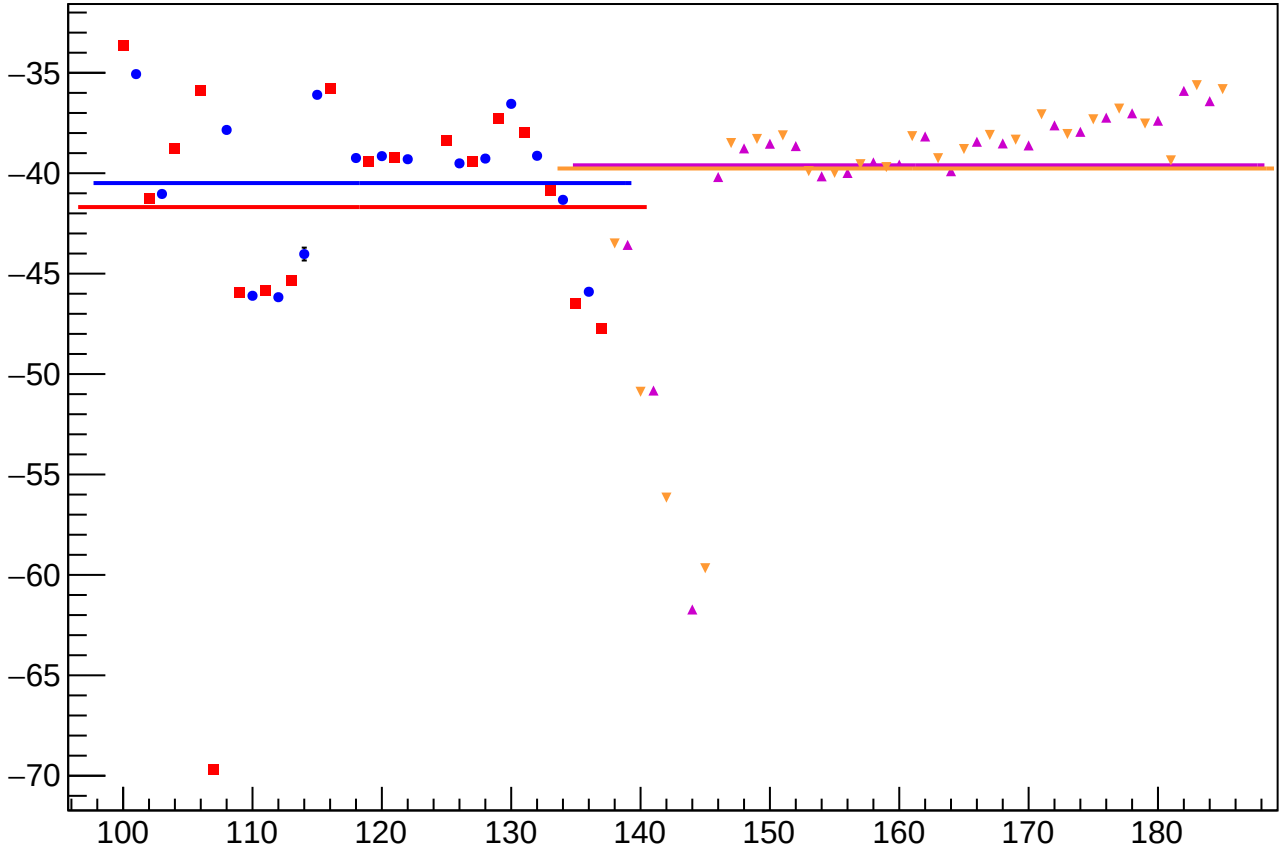
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

\+ sign 14.862+/-0.251 χ^2/NDF: 1595.7/39

All: 14.709+/-0.179 χ^2/NDF: 3189.7/80

\- 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: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

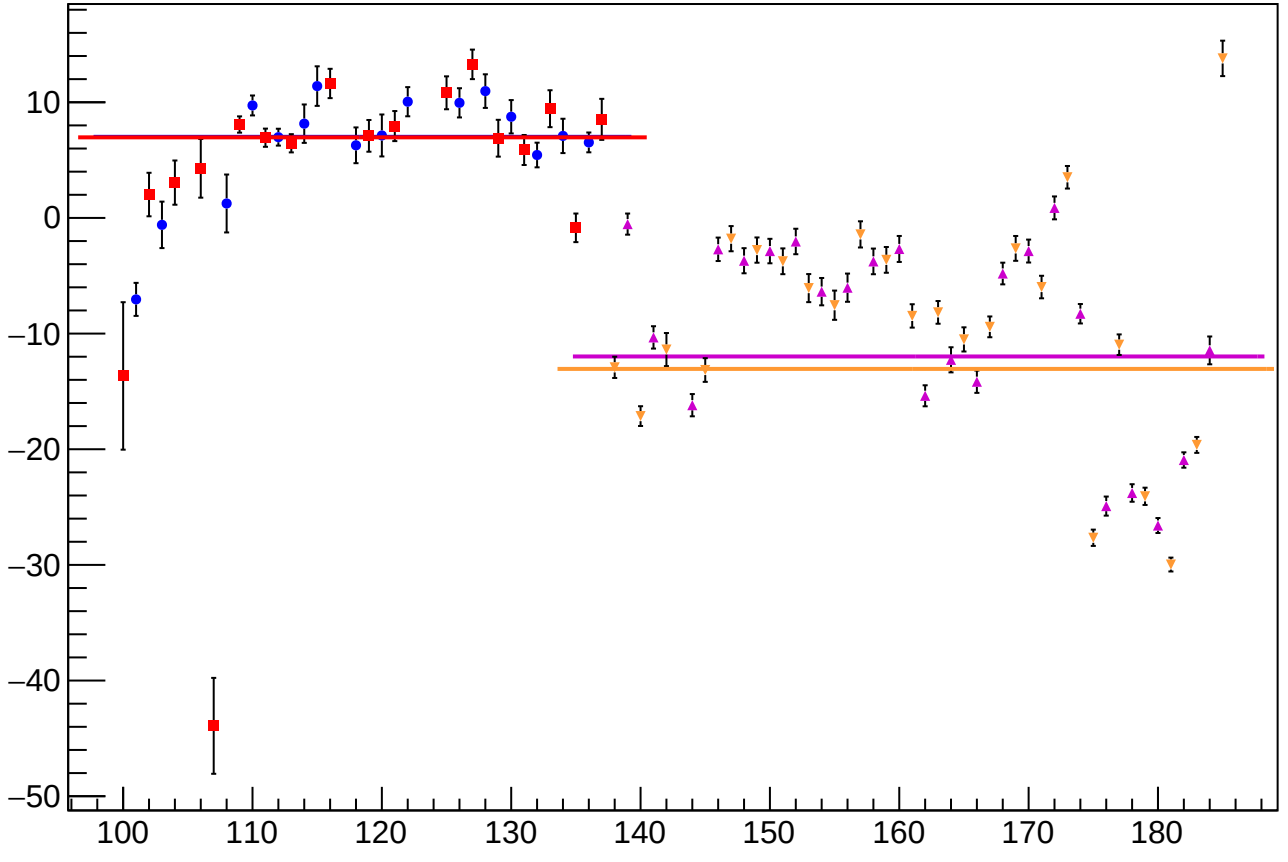
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.899+/-0.012 χ^2/NDF: 148556.5/39

All: -39.932+/-0.009 χ^2/NDF: 296228.2/80

- 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: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

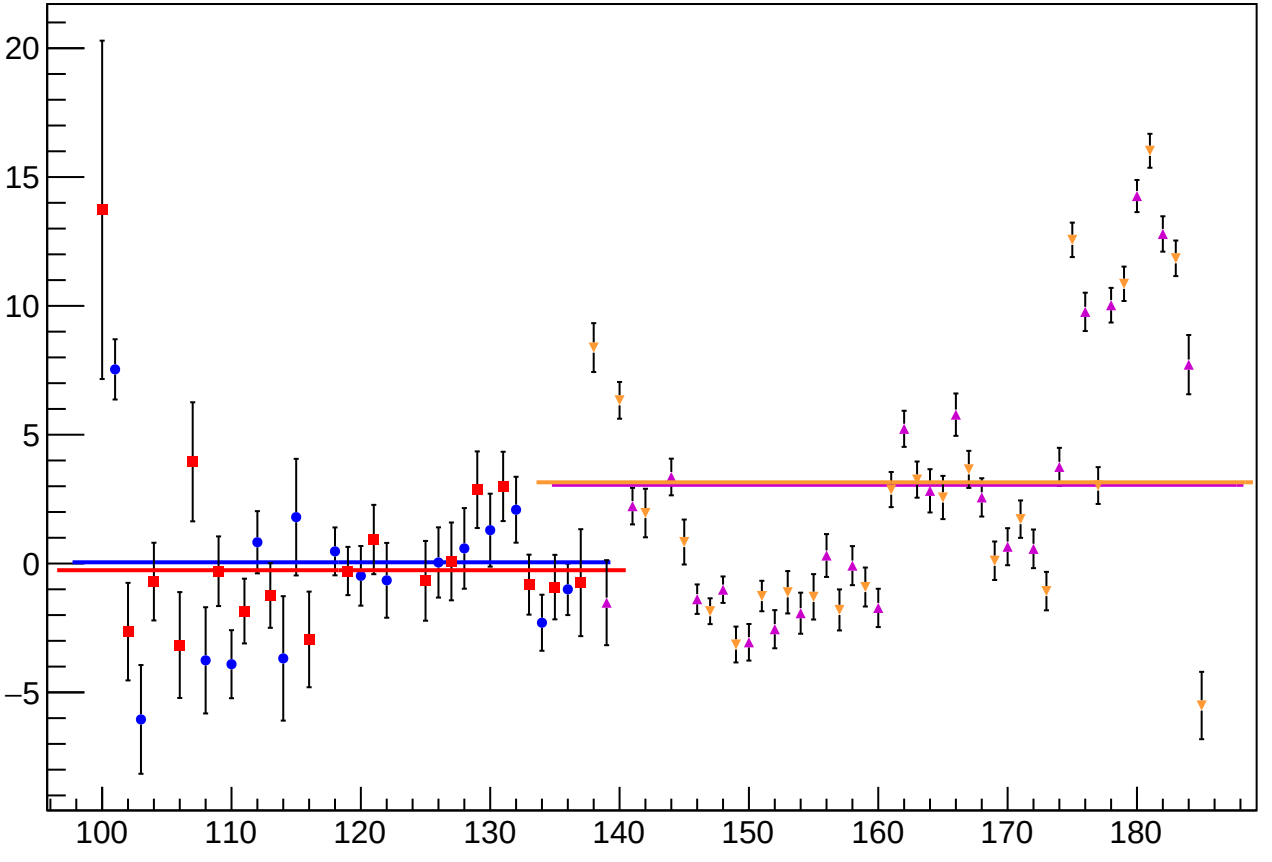
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -7.439+/-0.164 χ^2/NDF: 6056.2/39

All: -6.861+/-0.116 χ^2/NDF: 11347.1/80

- 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: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

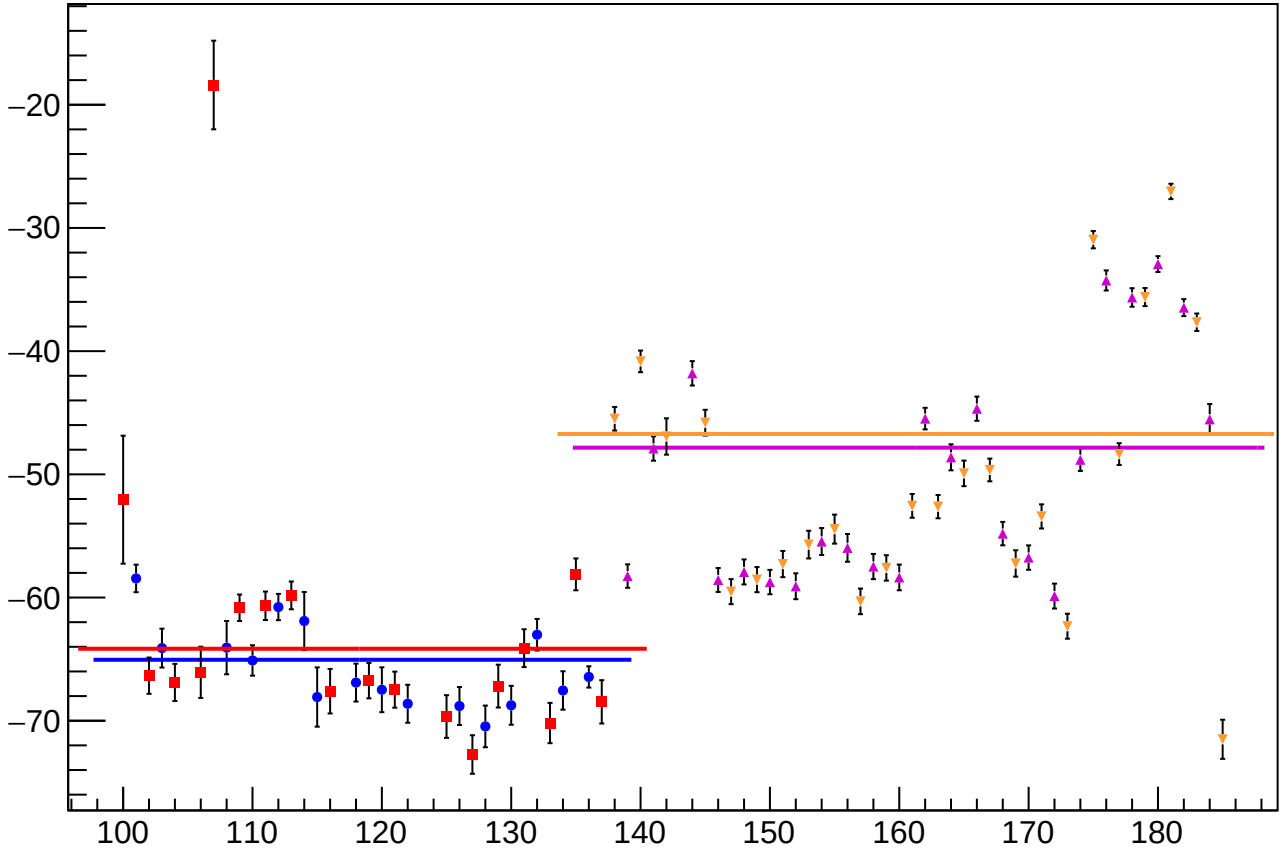
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.630+/-0.136 χ^2/NDF: 1533.0/39

All: 2.574+/-0.097 χ^2/NDF: 2783.4/80

- 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: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

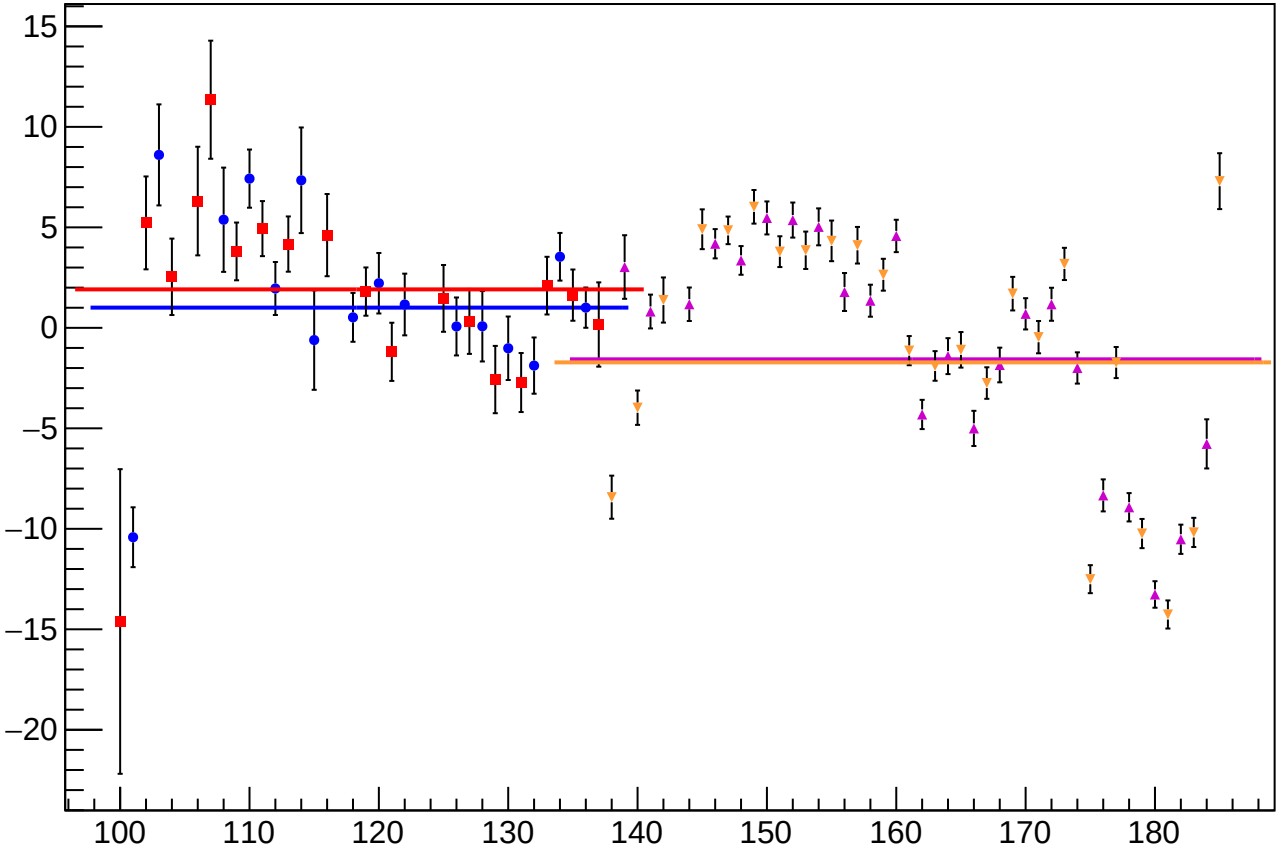
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -50.875+/-0.168 χ^2/NDF: 5612.1/39

All: -51.182+/-0.120 χ^2/NDF: 10070.4/80

- 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: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

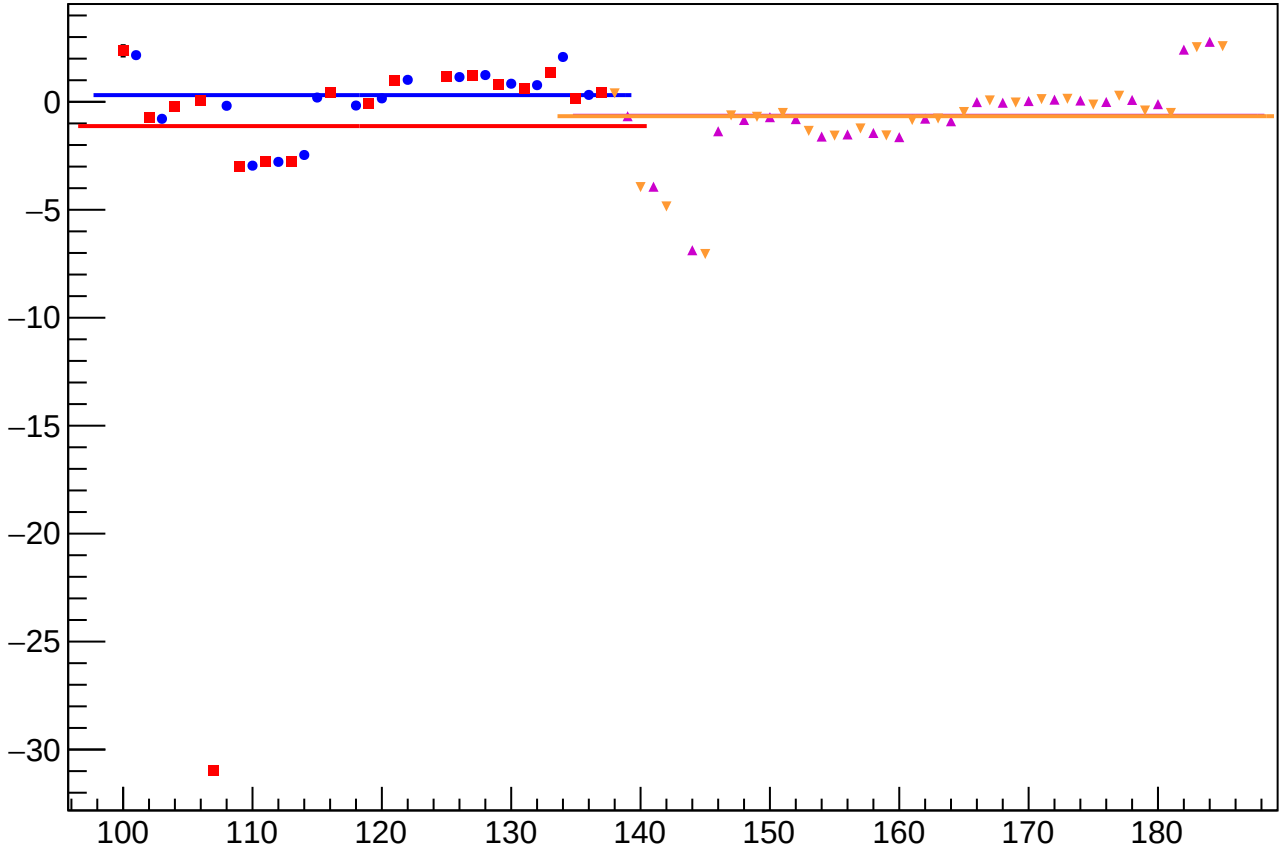
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.265+/-0.153 χ^2/NDF: 1559.2/39

All: -1.138+/-0.109 χ^2/NDF: 2799.7/80

- 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: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

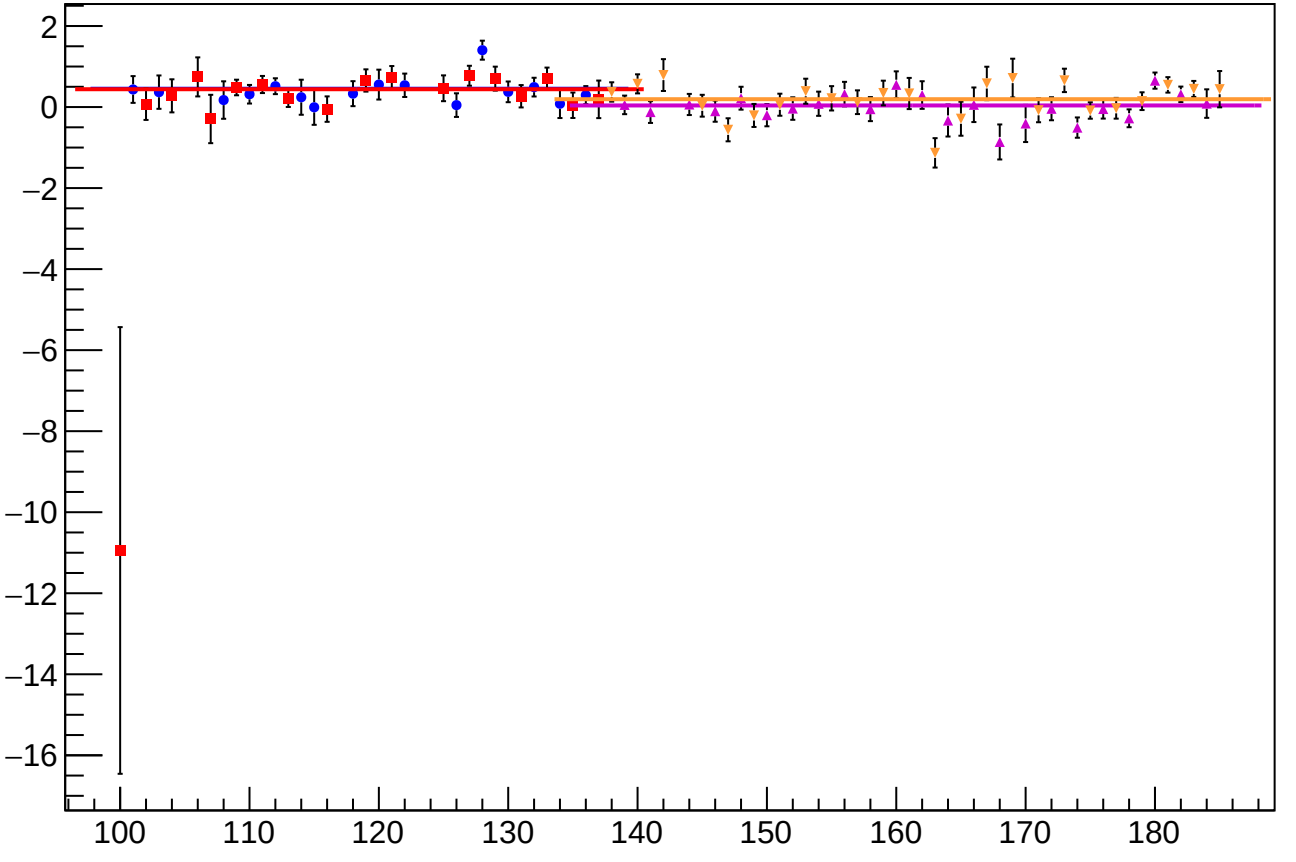
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.556+/-0.007 χ^2/NDF: 62029.7/39

All: -0.625+/-0.005 χ^2/NDF: 154555.8/80

- 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: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

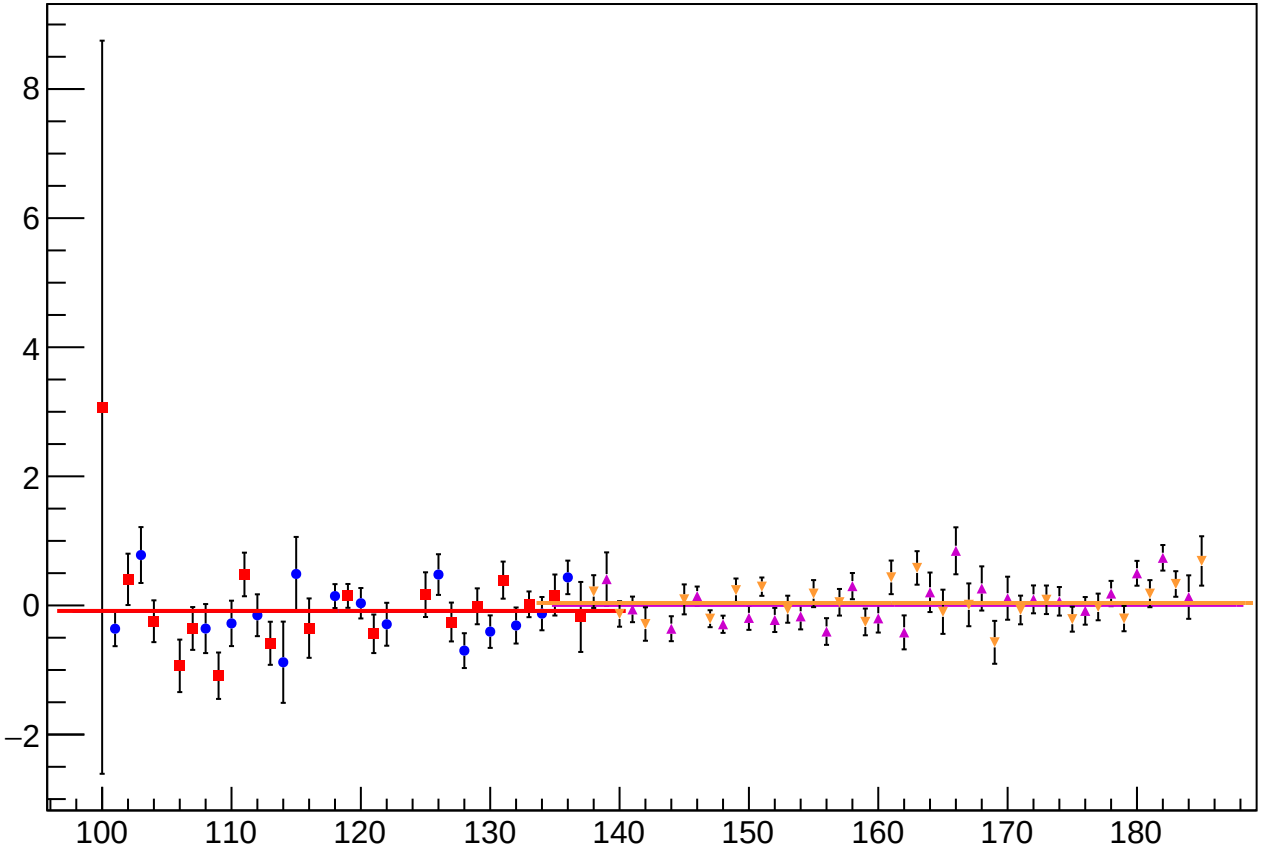
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.294+/-0.044 χ^2/NDF: 74.9/39

All: 0.248+/-0.031 χ^2/NDF: 145.7/80

- 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: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

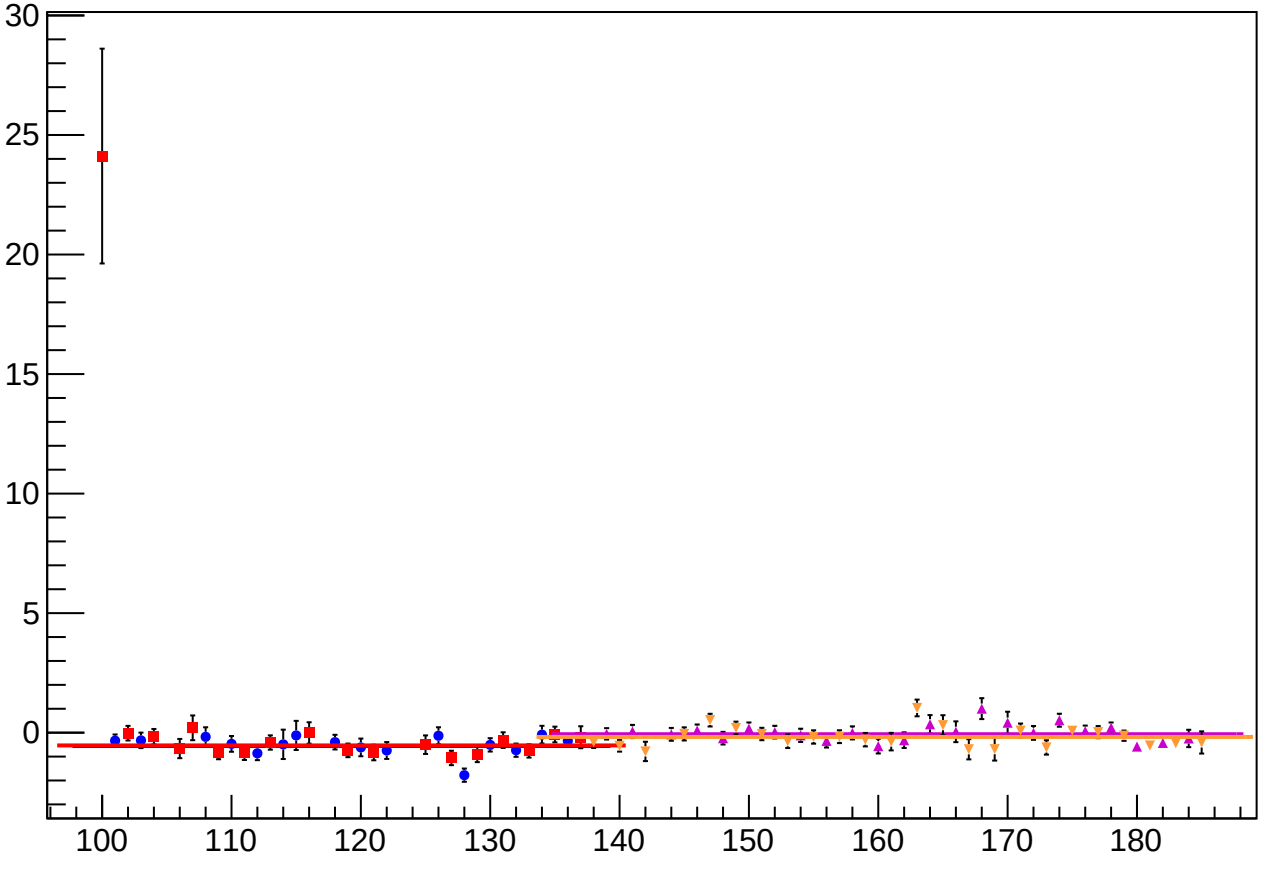
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.006+/-0.037 χ^2/NDF: 60.3/39

All: -0.005+/-0.027 χ^2/NDF: 140.9/80

- 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: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

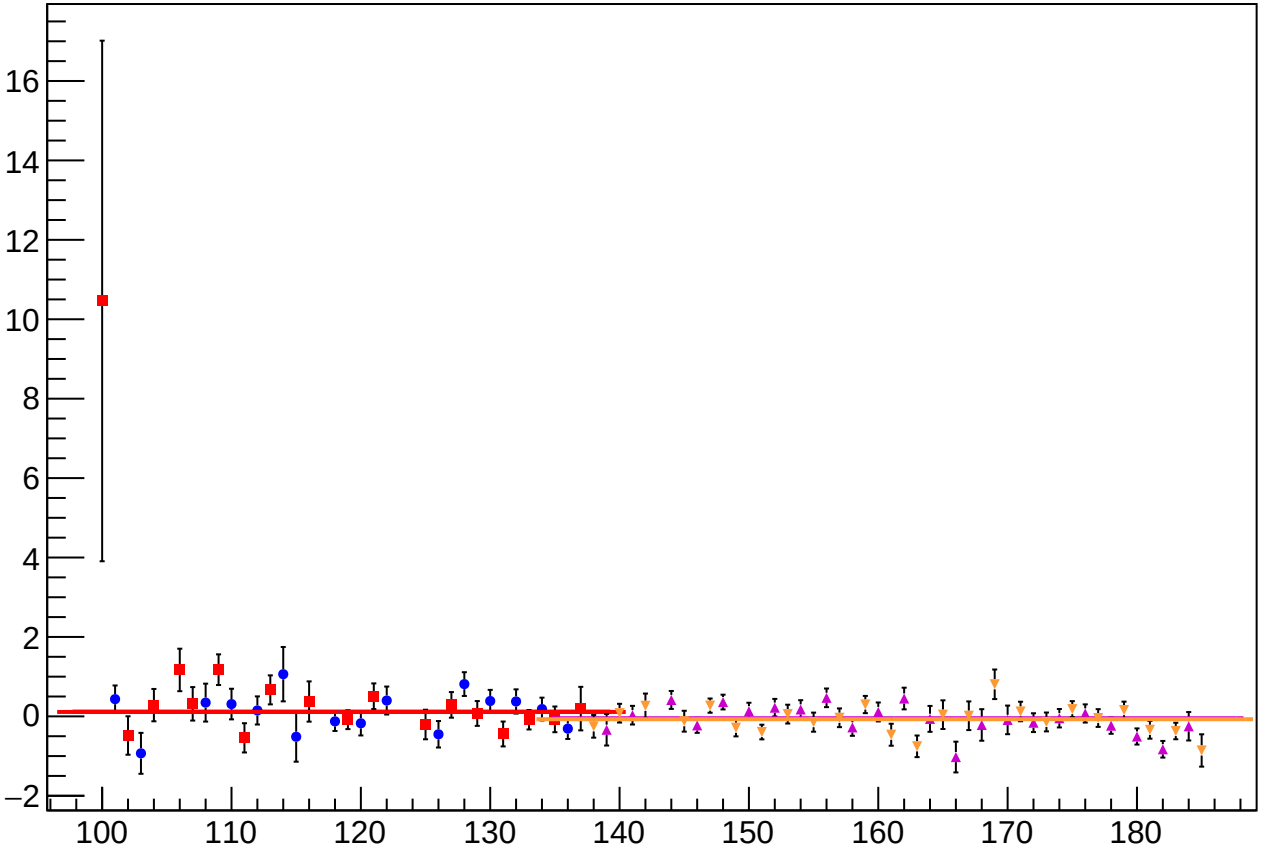
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.304+/-0.046 χ^2/NDF: 85.7/39

All: -0.264+/-0.033 χ^2/NDF: 190.4/80

- 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: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

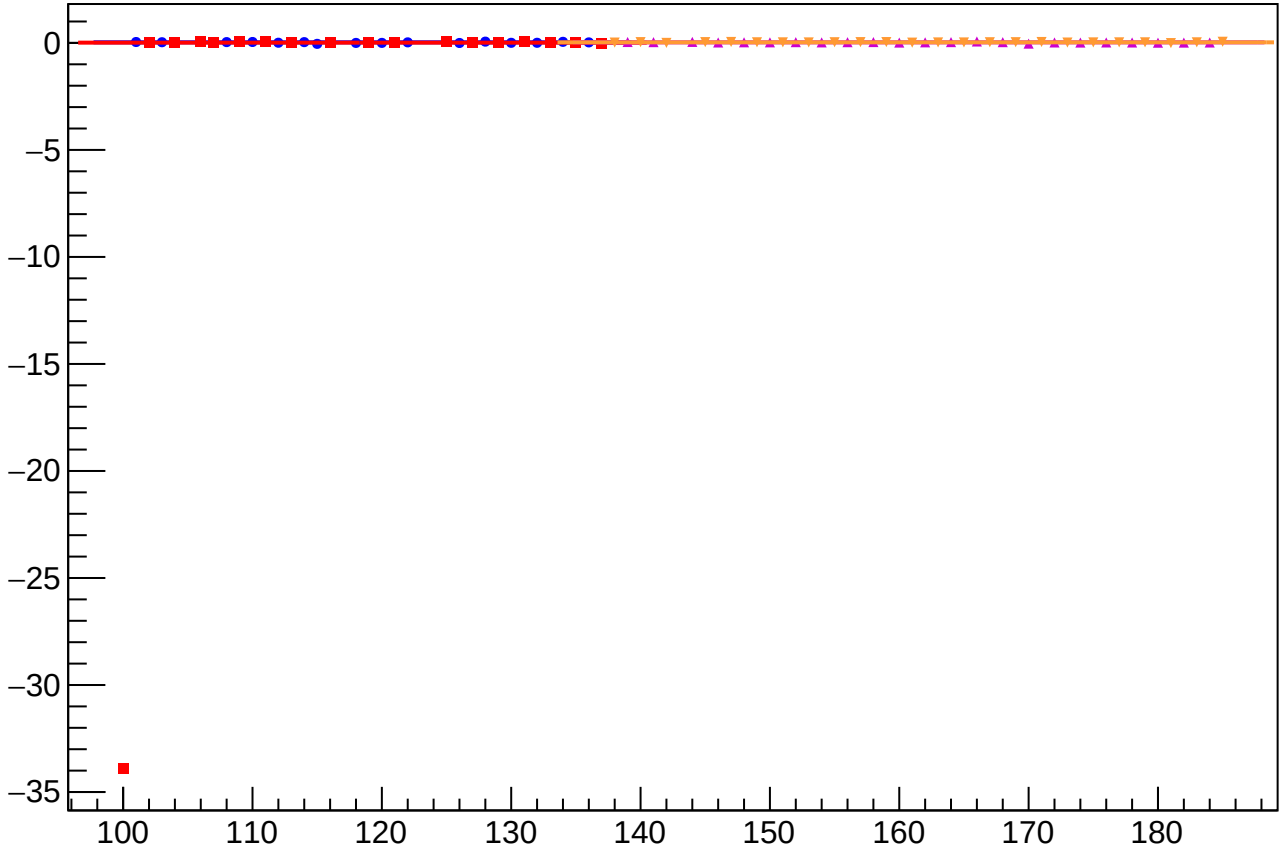
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.023+/-0.043 χ^2/NDF: 65.1/39

All: -0.015+/-0.030 χ^2/NDF: 147.3/80

- 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:31.4/23

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

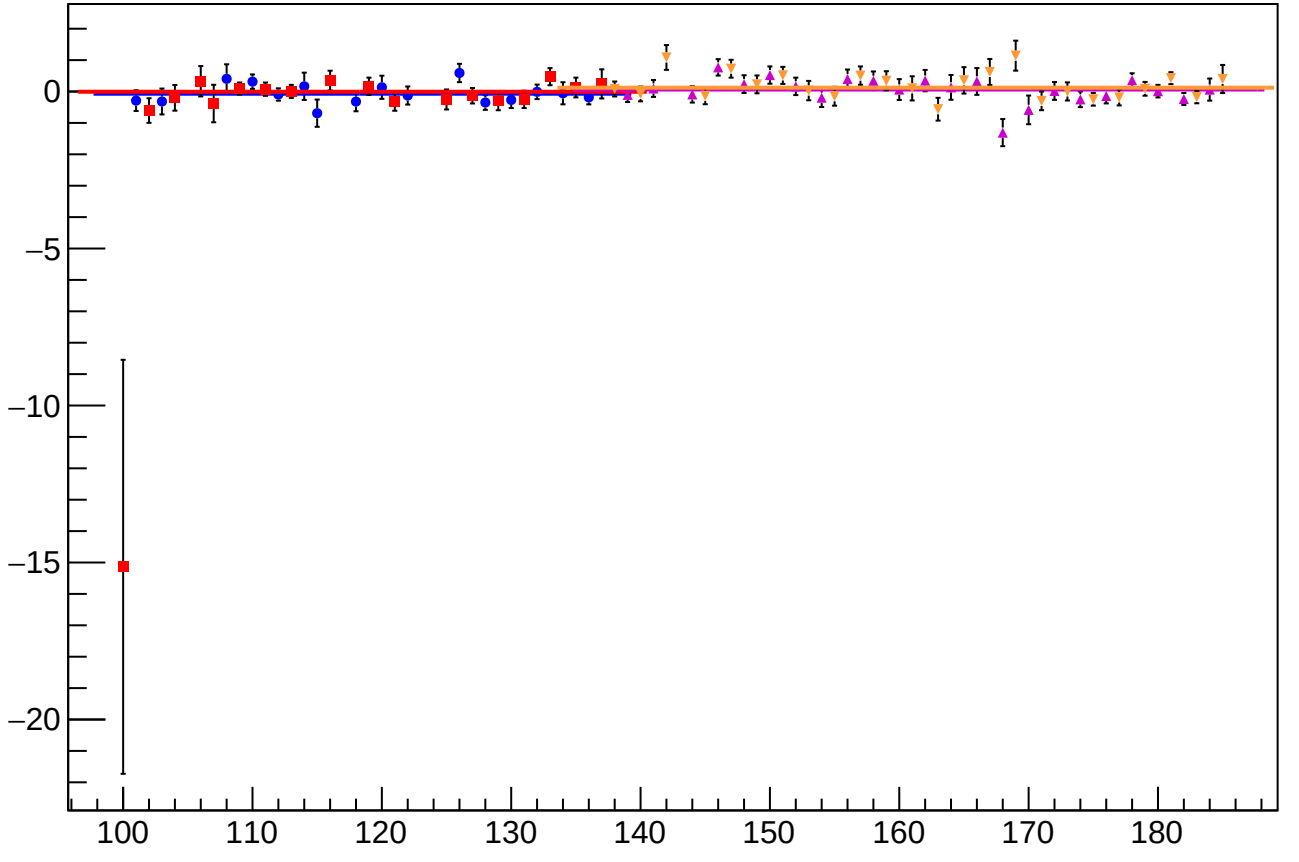
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 46.1/39

All: 0.025+/-0.001 χ^2/NDF: 22355.9/80

- 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: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

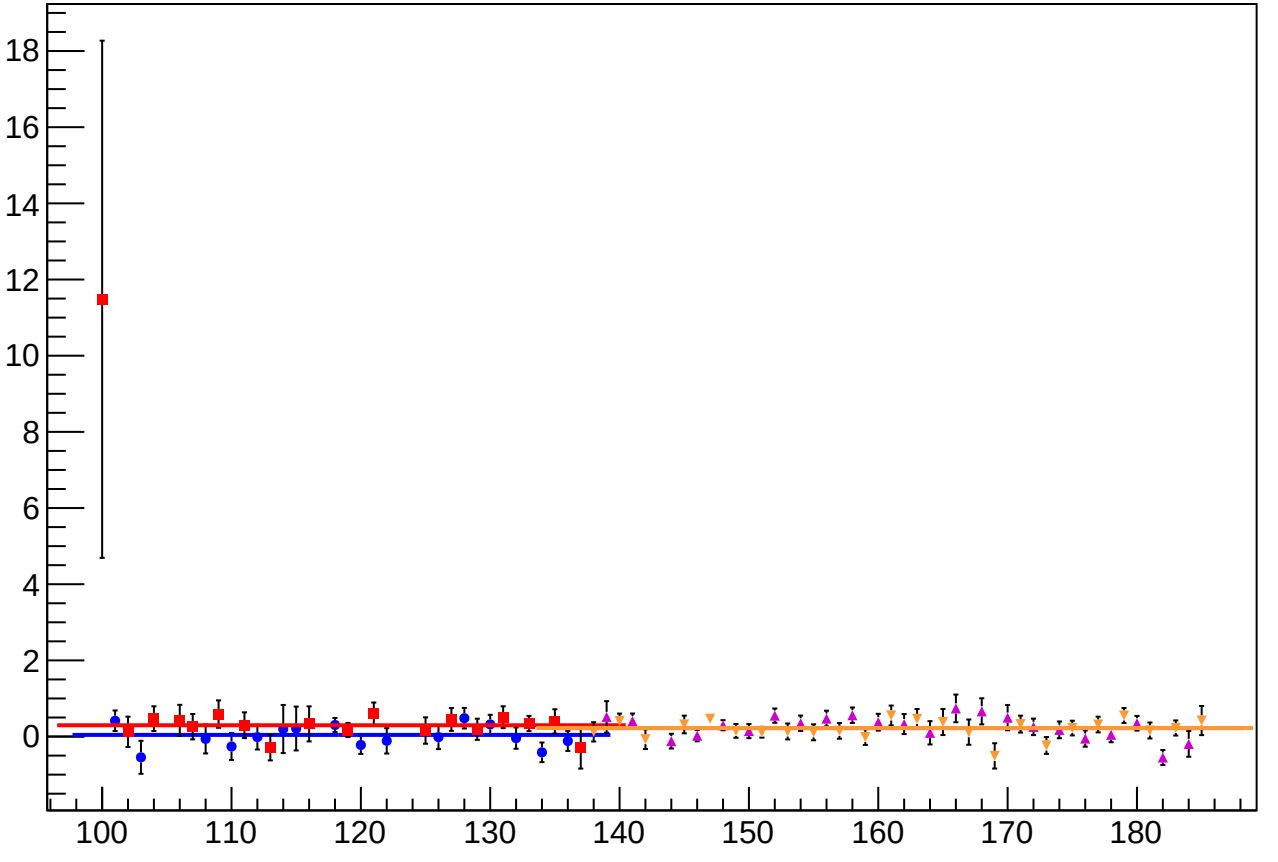
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.047+/-0.044 χ^2/NDF: 59.6/39

All: 0.041+/-0.031 χ^2/NDF: 112.6/80

- 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: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

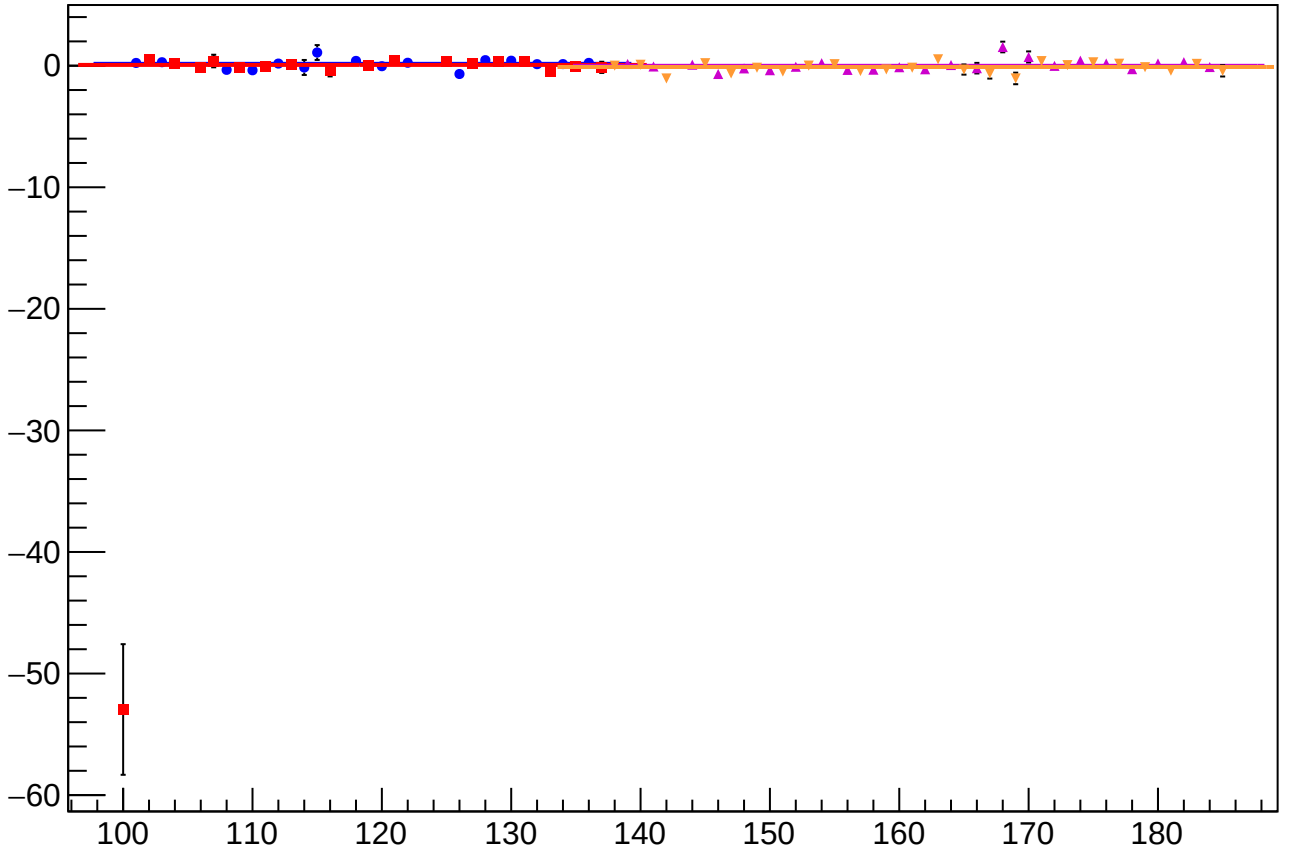
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.178+/-0.037 χ^2/NDF: 44.4/39

All: 0.209+/-0.027 χ^2/NDF: 96.9/80

- 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: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

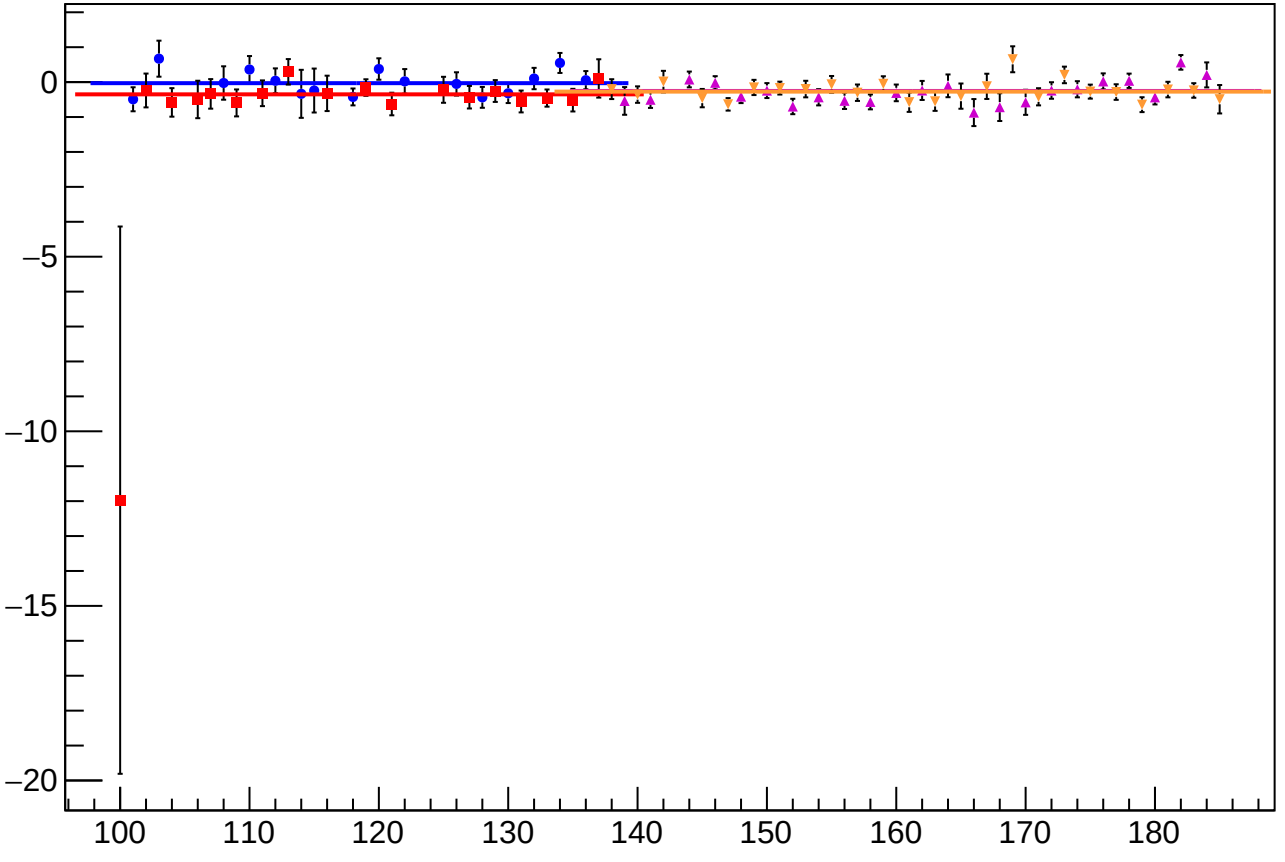
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign -0.019+/-0.046 χ^2/NDF: 60.2/39

All: -0.002+/-0.033 χ^2/NDF: 208.3/80

- 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: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

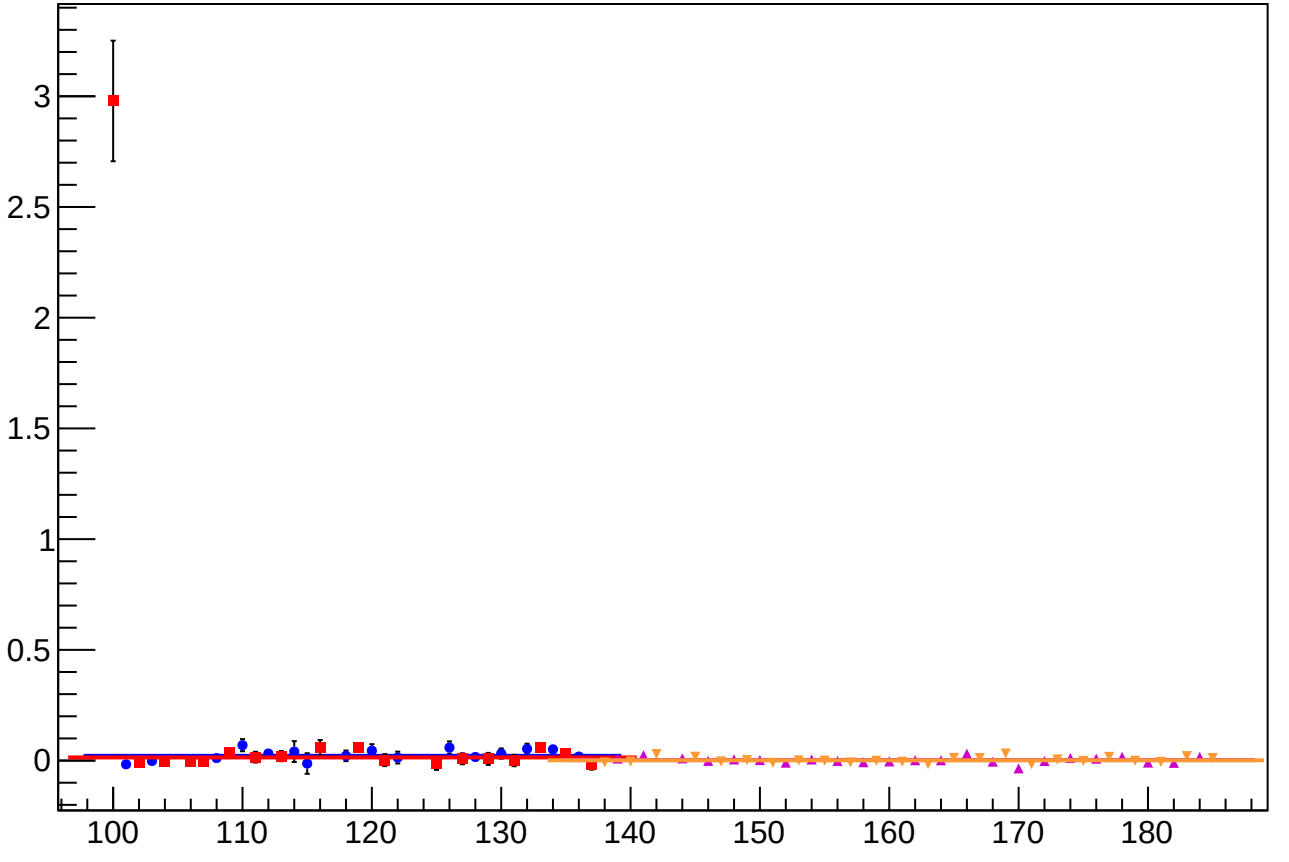
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.210+/-0.043 χ^2/NDF: 47.8/39

All: -0.244+/-0.030 χ^2/NDF: 100.1/80

- 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:26.7/23

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

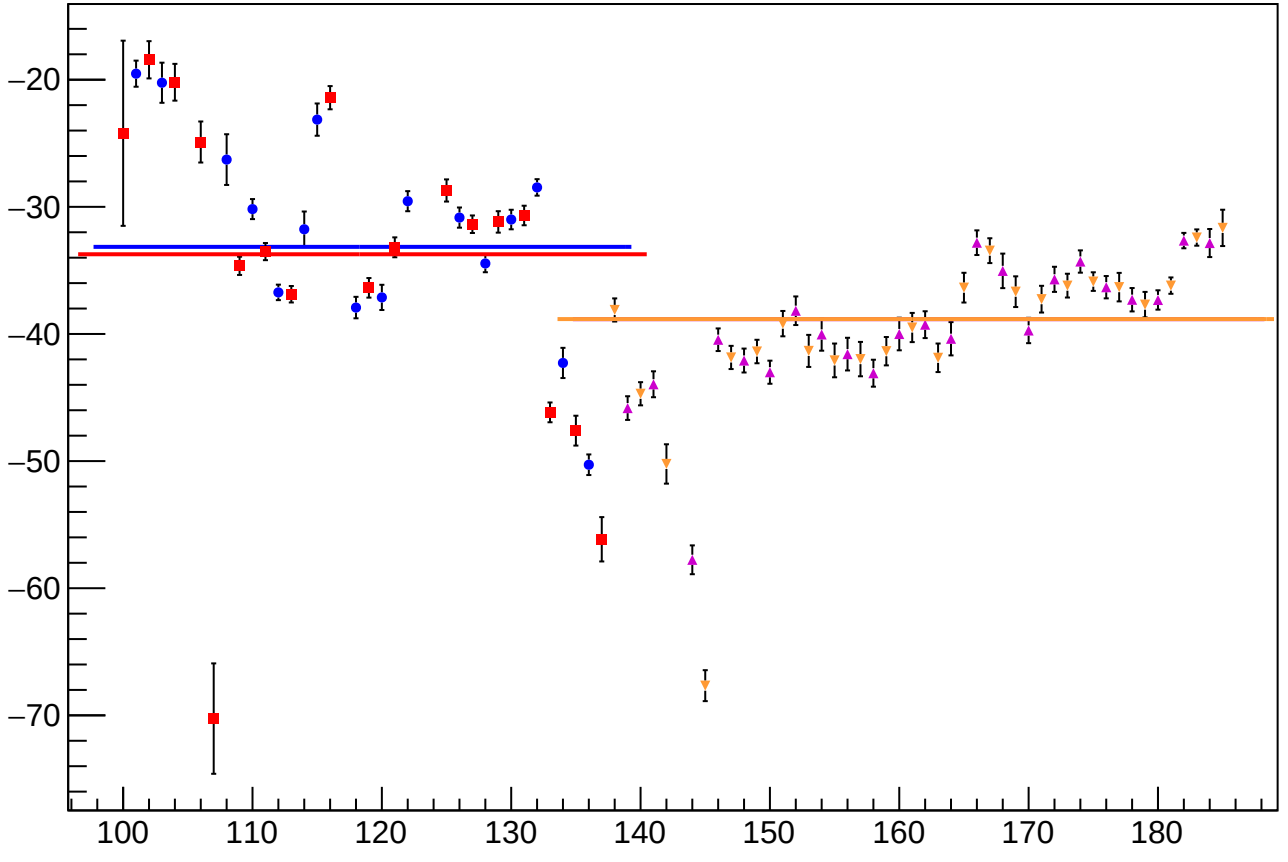
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 63.5/39

All: 0.005+/-0.001 χ^2/NDF: 233.9/80

- 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: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

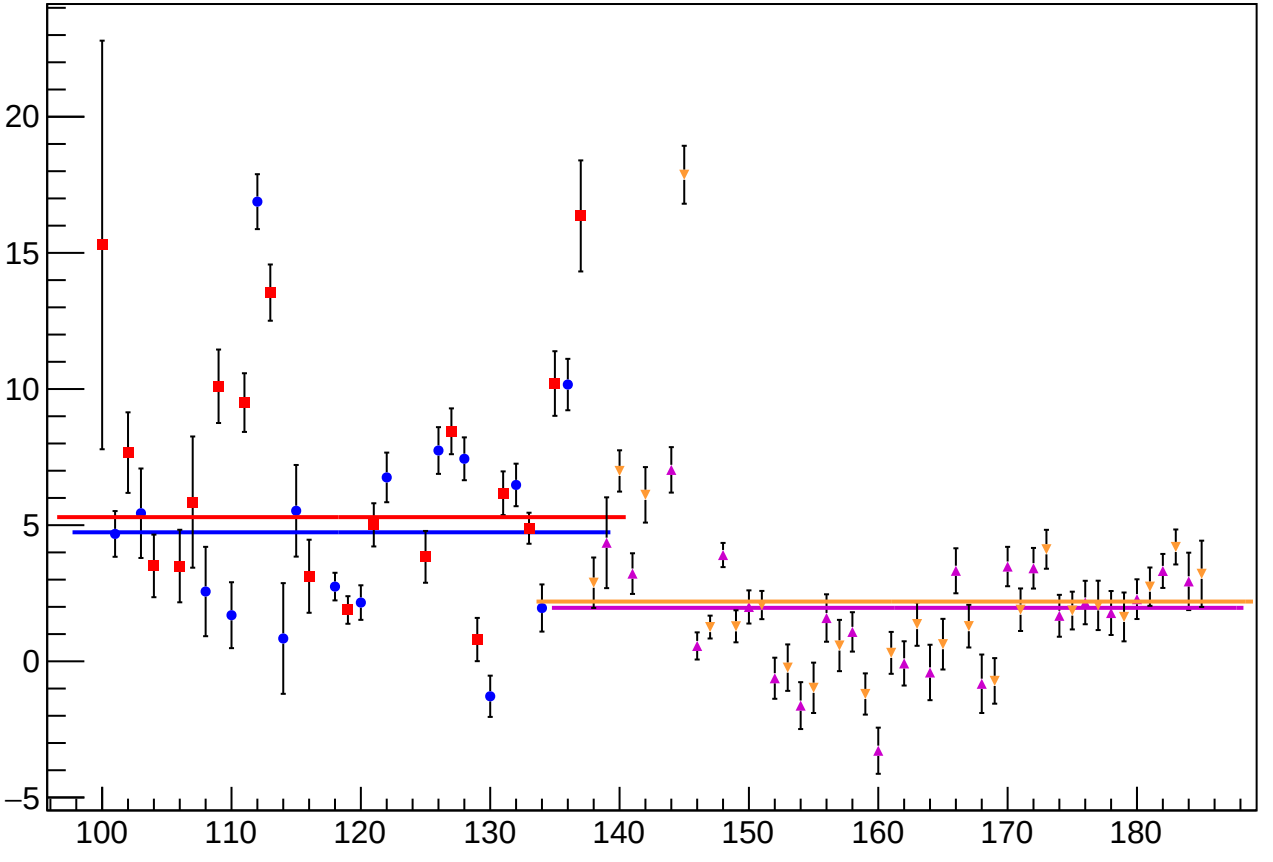
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -36.204+/-0.148 χ^2/NDF: 2296.3/39

All: -36.314+/-0.105 χ^2/NDF: 4397.1/80

- 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: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

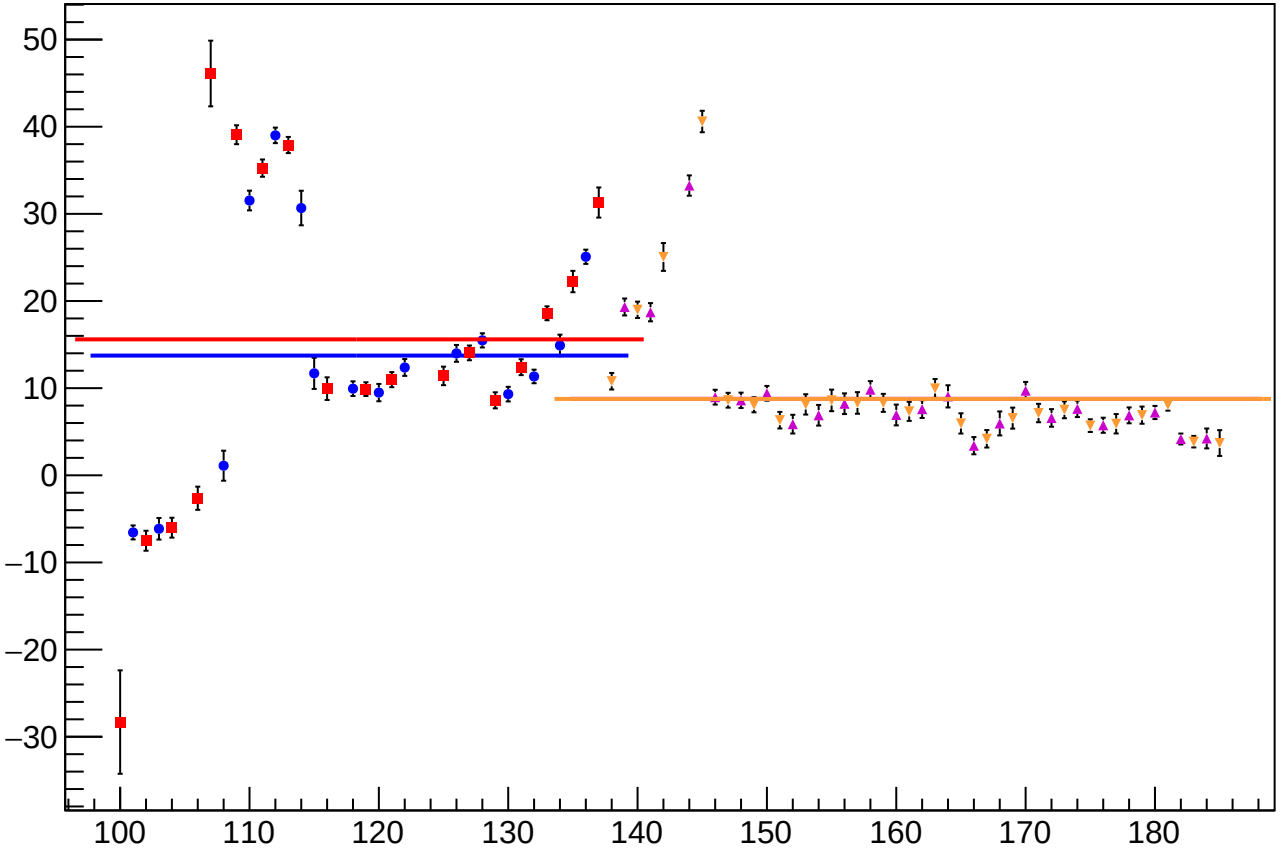
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.022+/-0.125 χ^2/NDF: 785.5/39

All: 3.033+/-0.089 χ^2/NDF: 1354.1/80

- 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: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

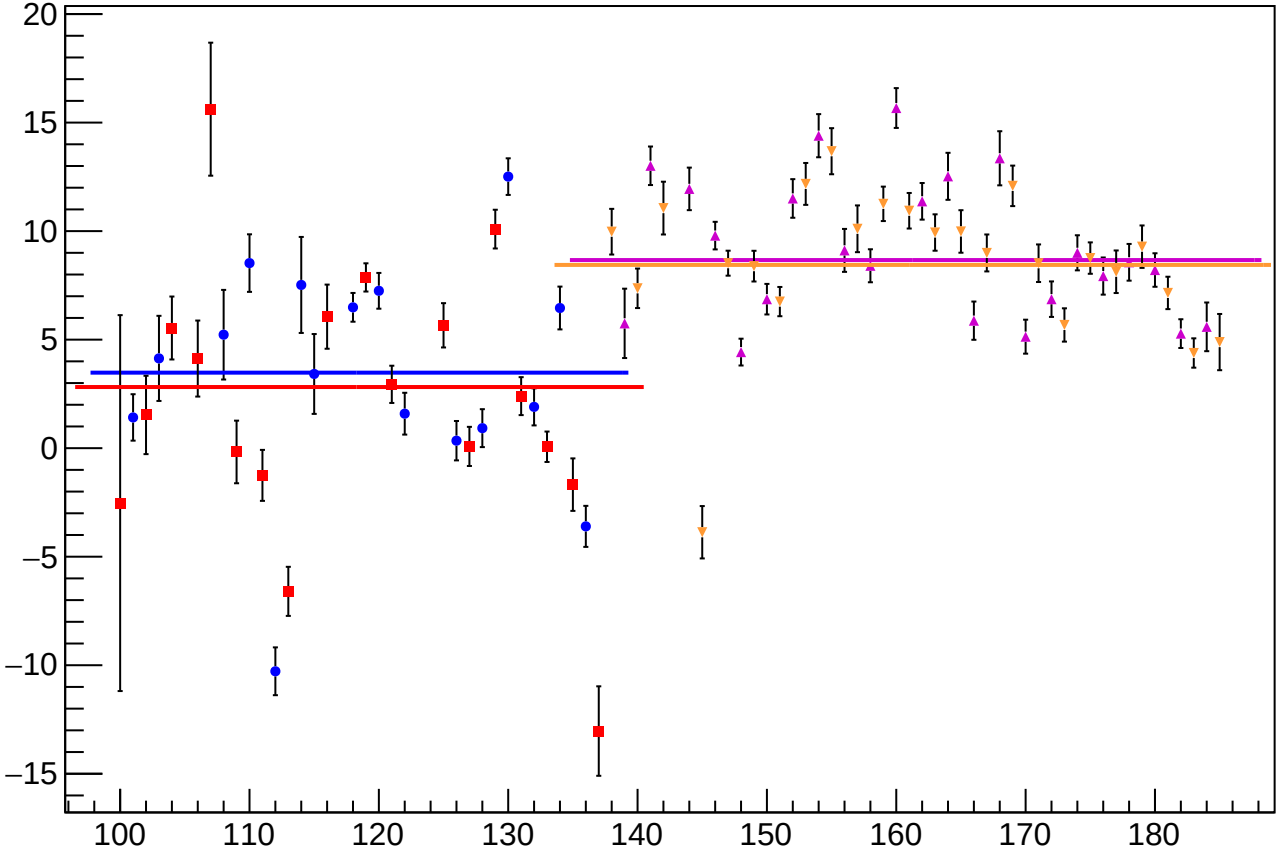
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 10.743+/-0.156 χ^2/NDF: 3629.9/39

All: 11.099+/-0.110 χ^2/NDF: 7713.6/80

\- 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: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

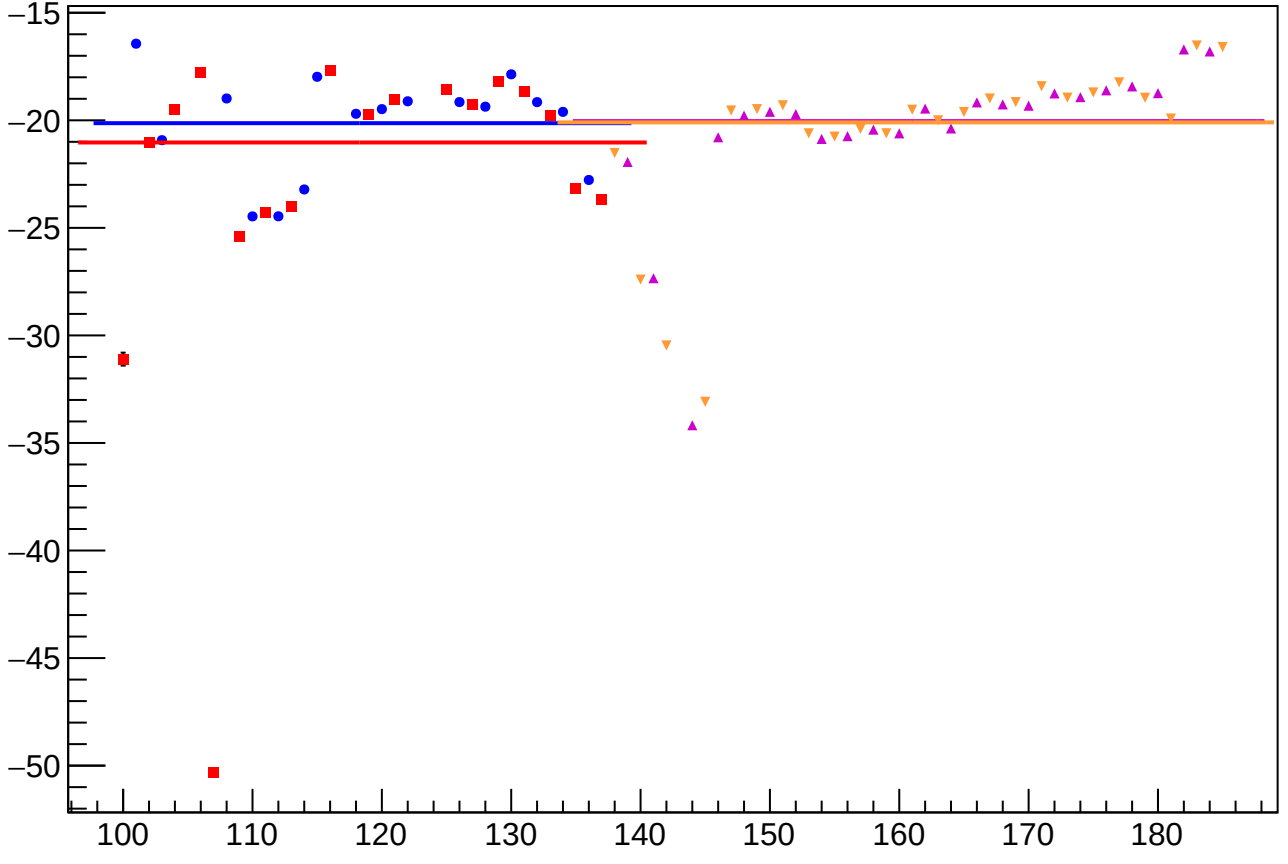
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.860+/-0.143 χ^2/NDF: 952.6/39

All: 6.833+/-0.102 χ^2/NDF: 1955.3/80

\- 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: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

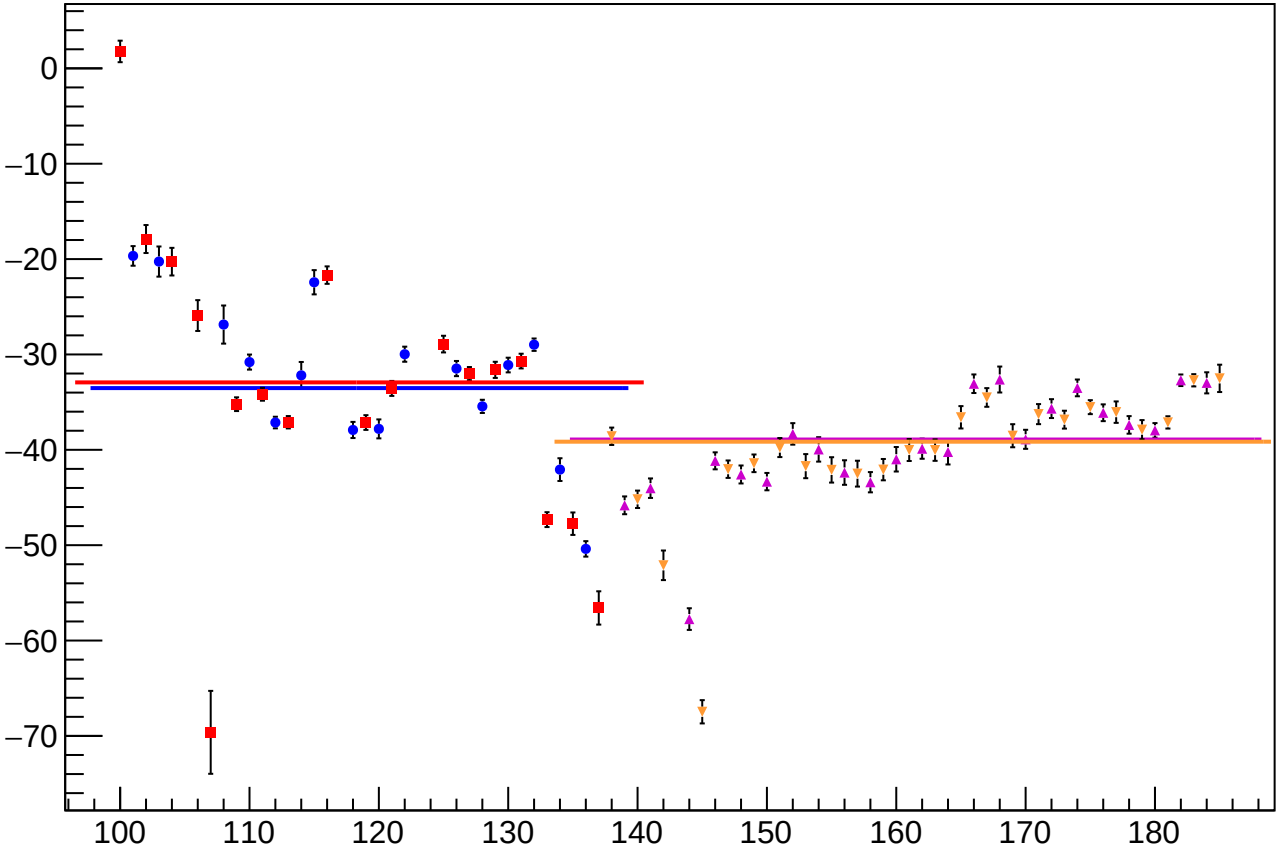
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.103+/-0.007 χ^2/NDF: 179128.5/39

All: -20.163+/-0.005 χ^2/NDF: 372047.7/80

- 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: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

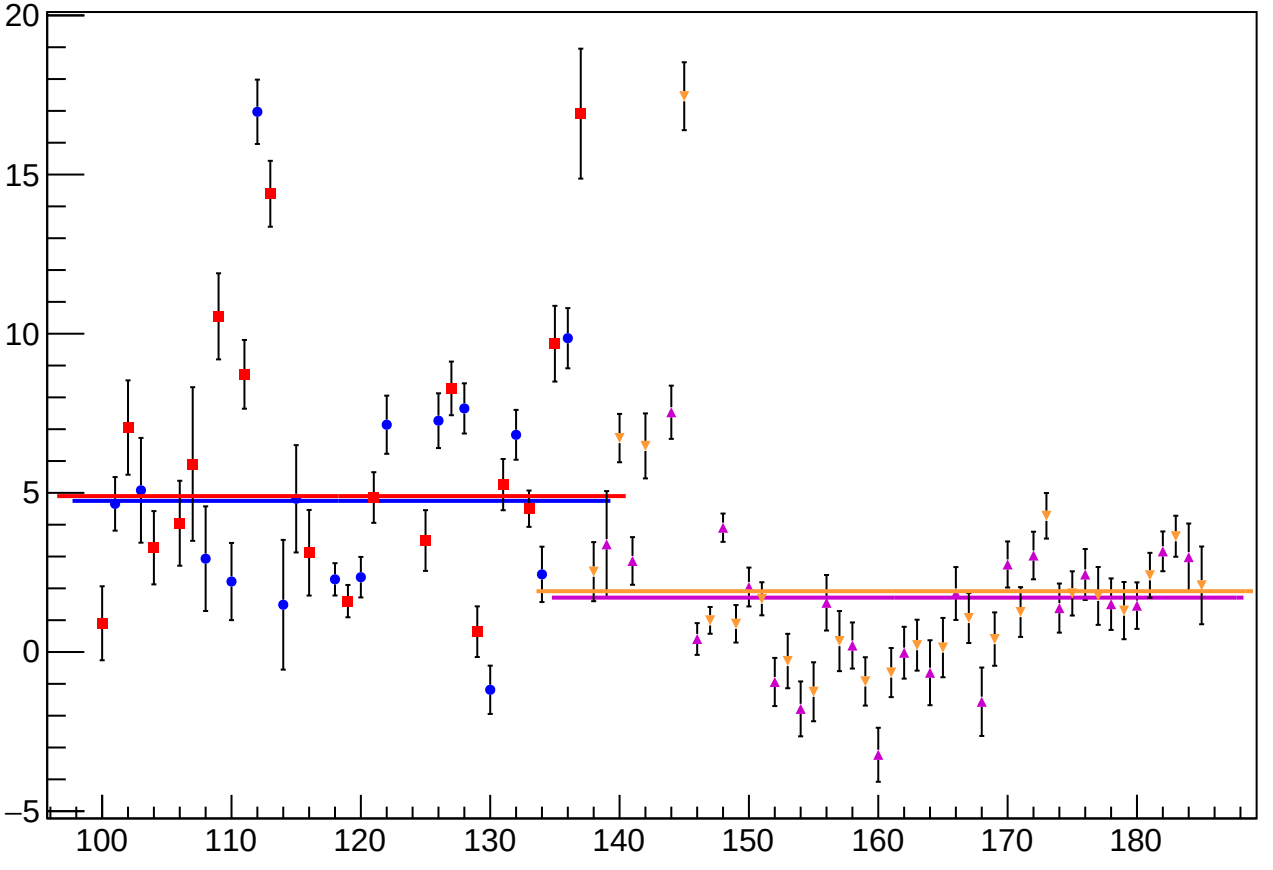
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -36.551+/-0.148 χ^2/NDF: 2263.5/39

All: -36.292+/-0.104 χ^2/NDF: 5539.8/80

- 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: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

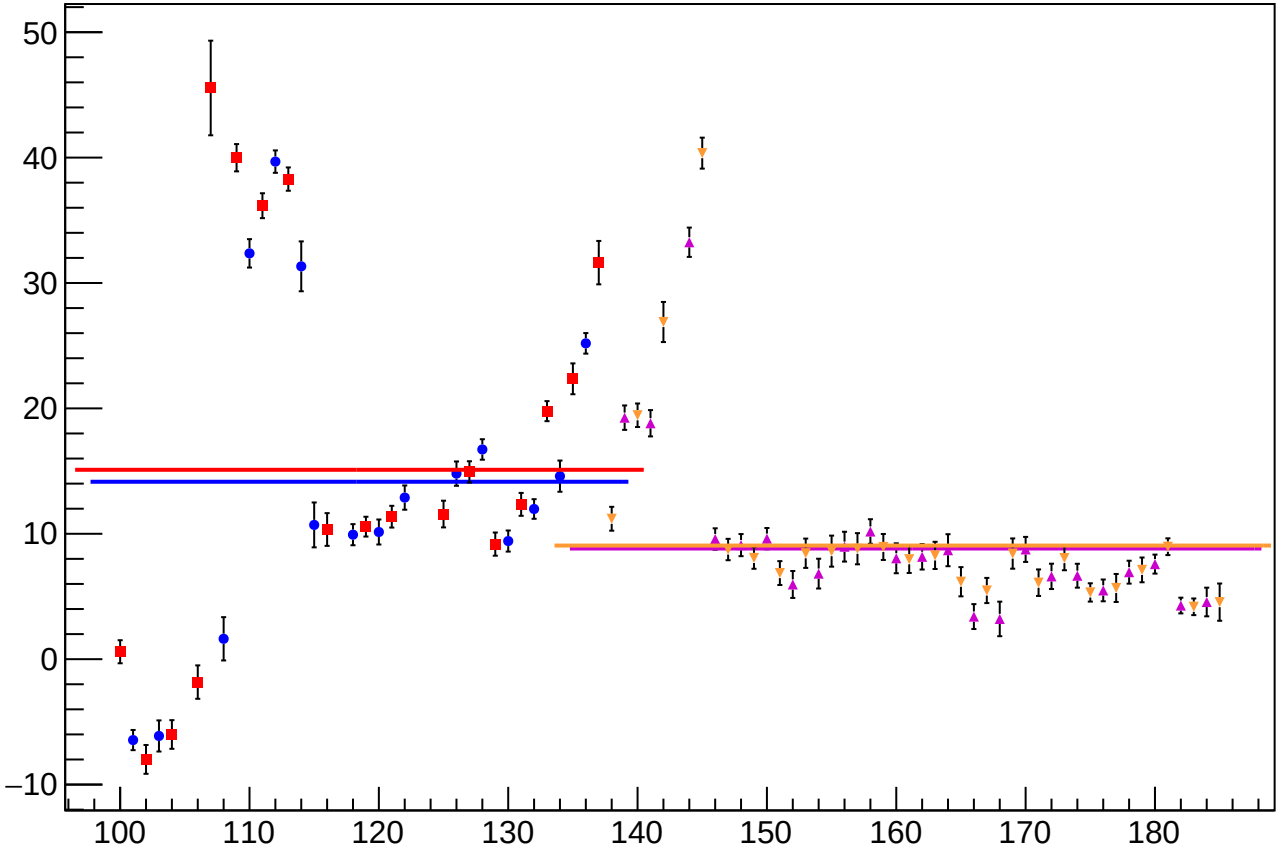
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.833+/-0.125 χ^2/NDF: 797.6/39

All: 2.801+/-0.089 χ^2/NDF: 1394.0/80

- 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: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

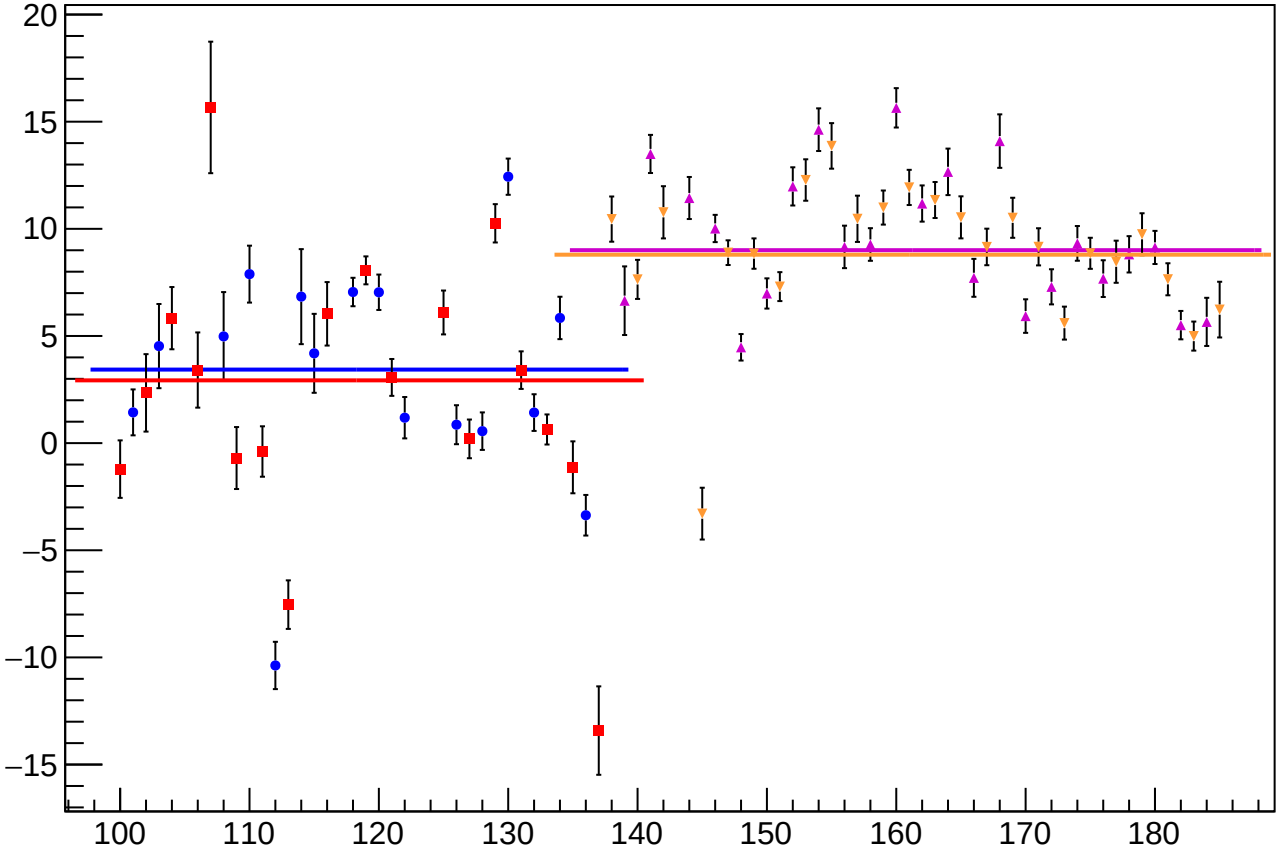
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

\+ sign 11.084+/-0.156 χ^2/NDF: 3690.9/39

All: 11.244+/-0.110 χ^2/NDF: 7993.5/80

\- 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: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

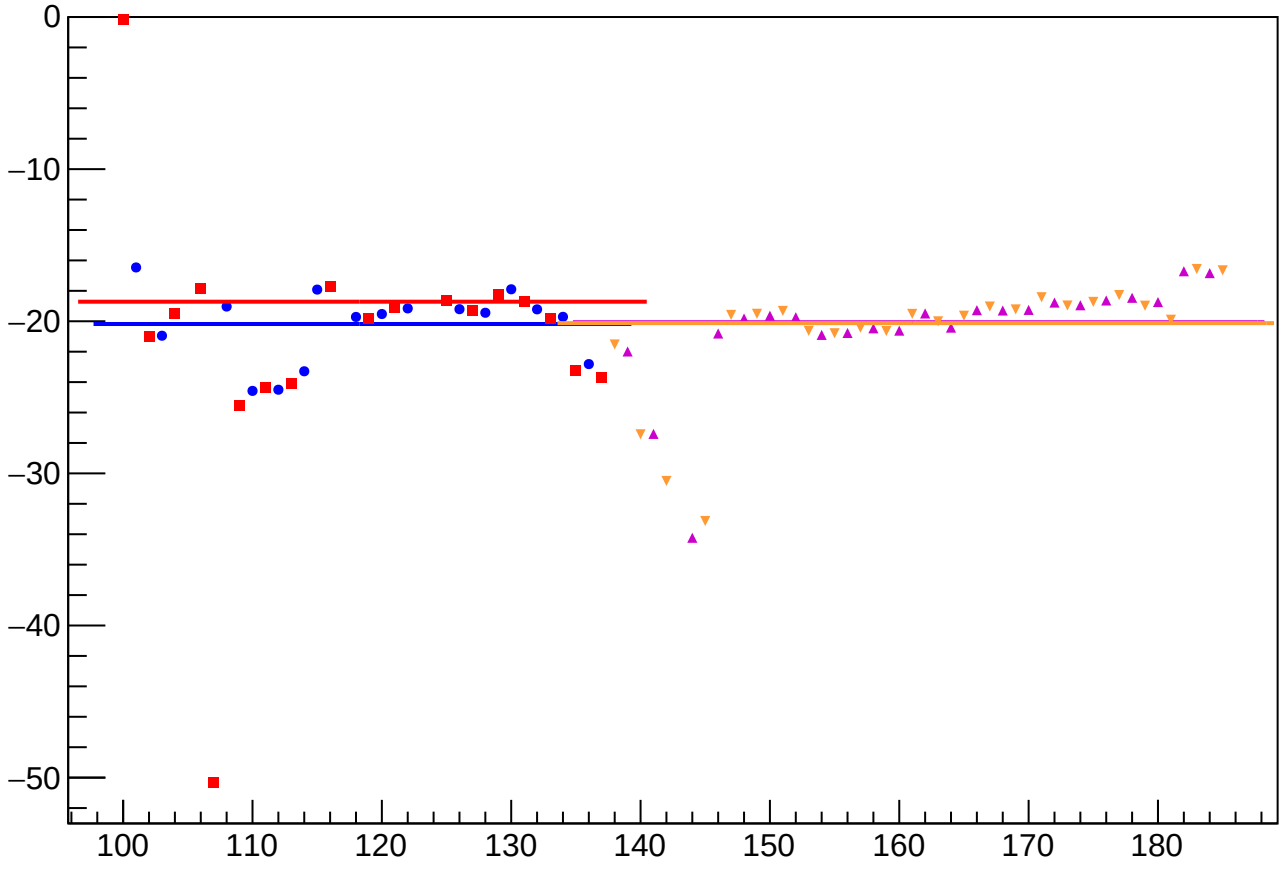
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.084+/-0.144 χ^2/NDF: 971.1/39

All: 7.055+/-0.102 χ^2/NDF: 2016.4/80

- 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: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

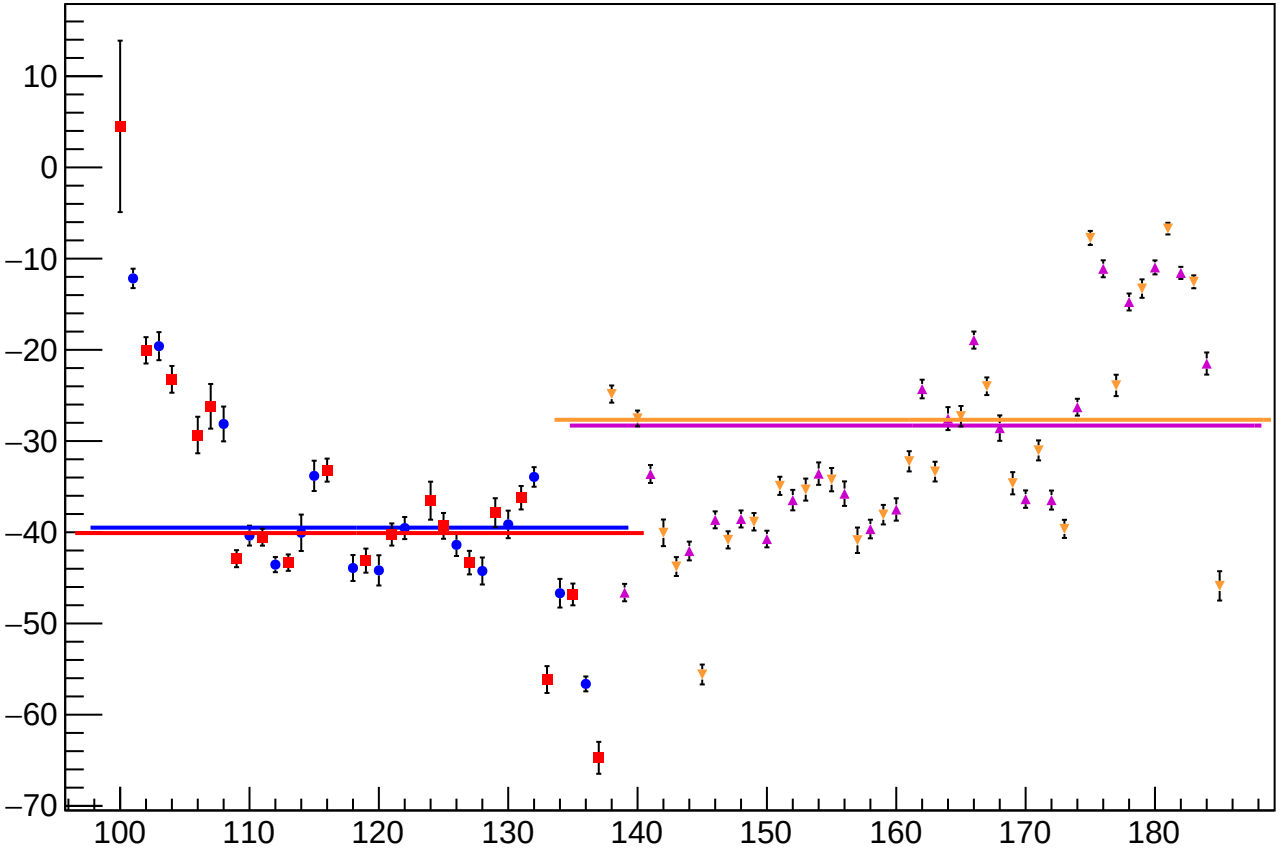
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.135+/-0.007 χ^2/NDF: 178445.8/39

All: -19.959+/-0.005 χ^2/NDF: 552980.4/80

- 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: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

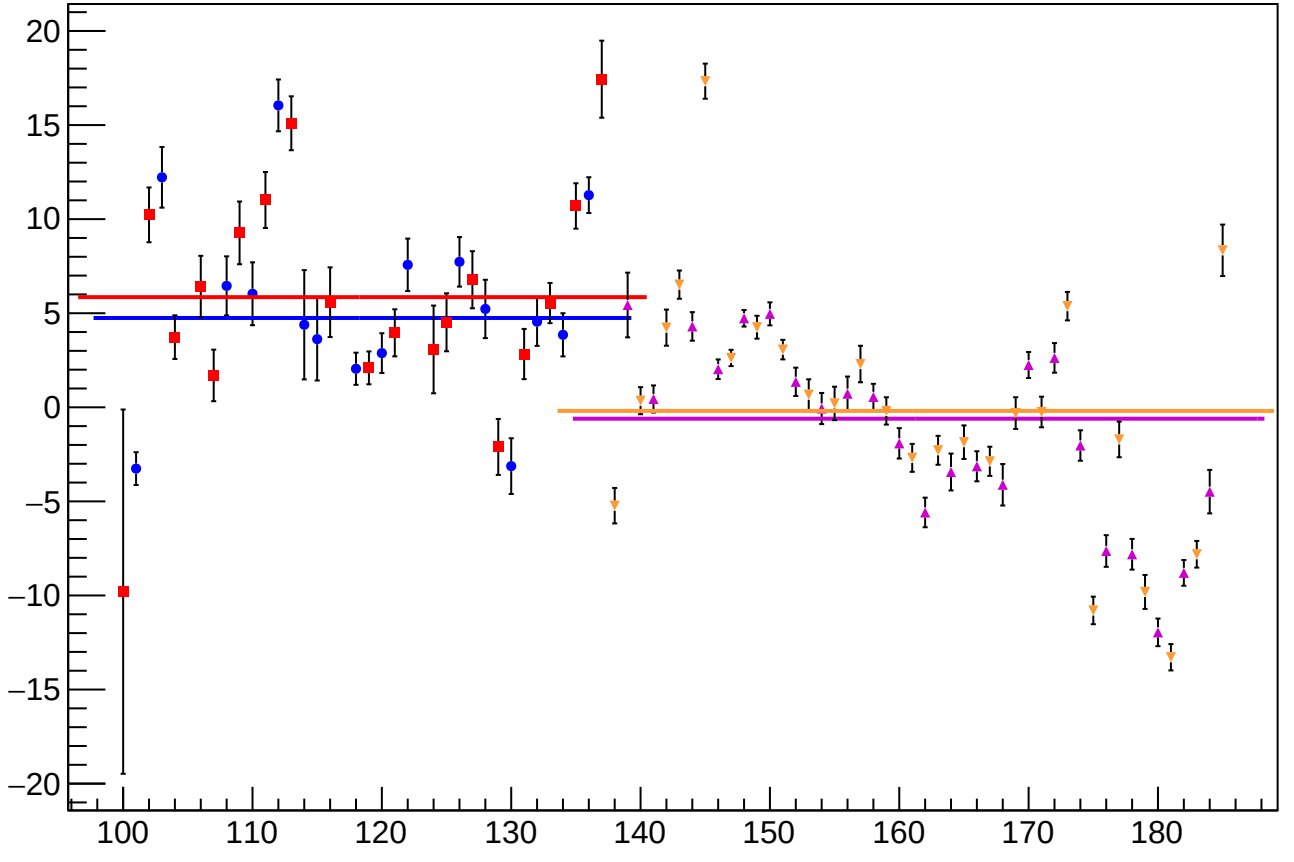
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -31.144+/-0.168 χ^2/NDF: 6836.9/40

All: -31.544+/-0.120 χ^2/NDF: 11973.4/82

- 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: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

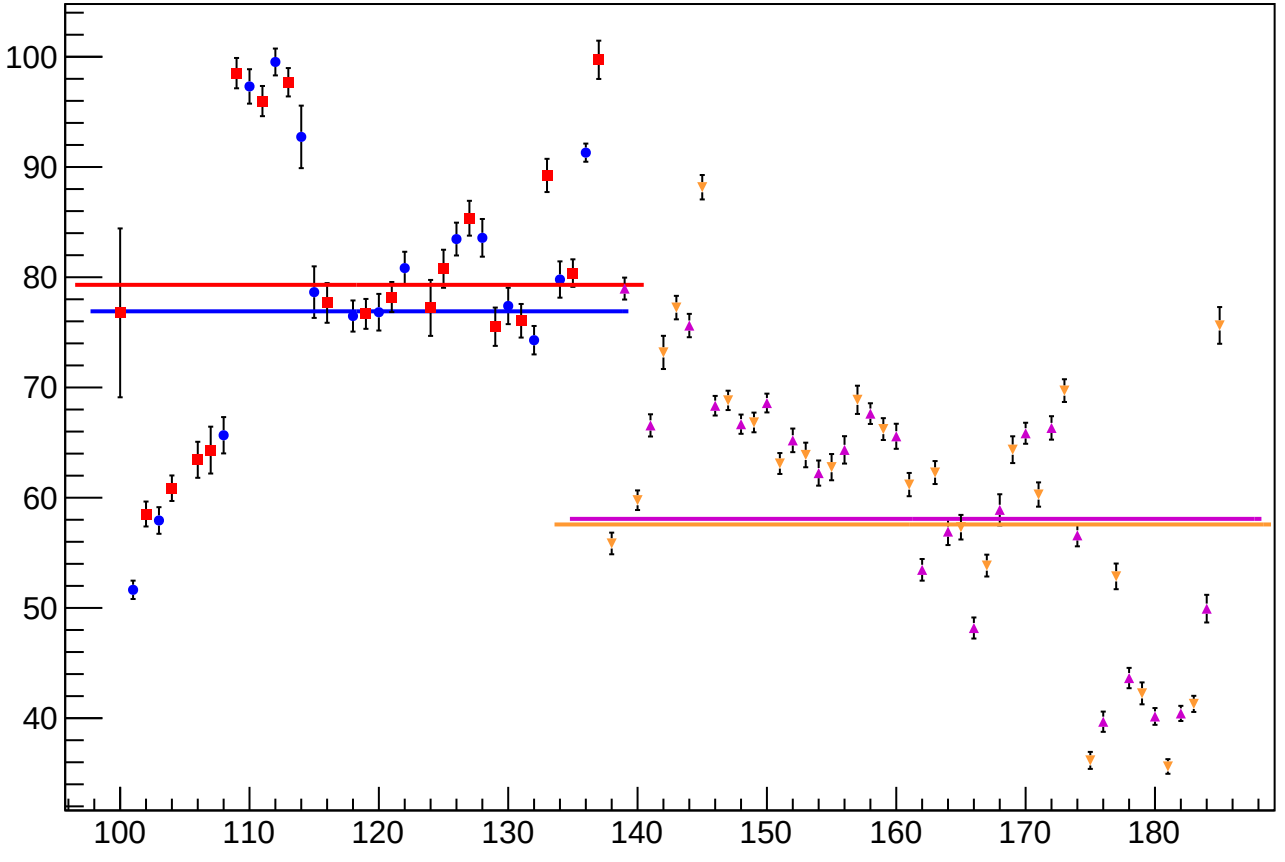
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.718+/-0.136 χ^2/NDF: 2018.5/40

All: 0.661+/-0.097 χ^2/NDF: 3504.6/82

- 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: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

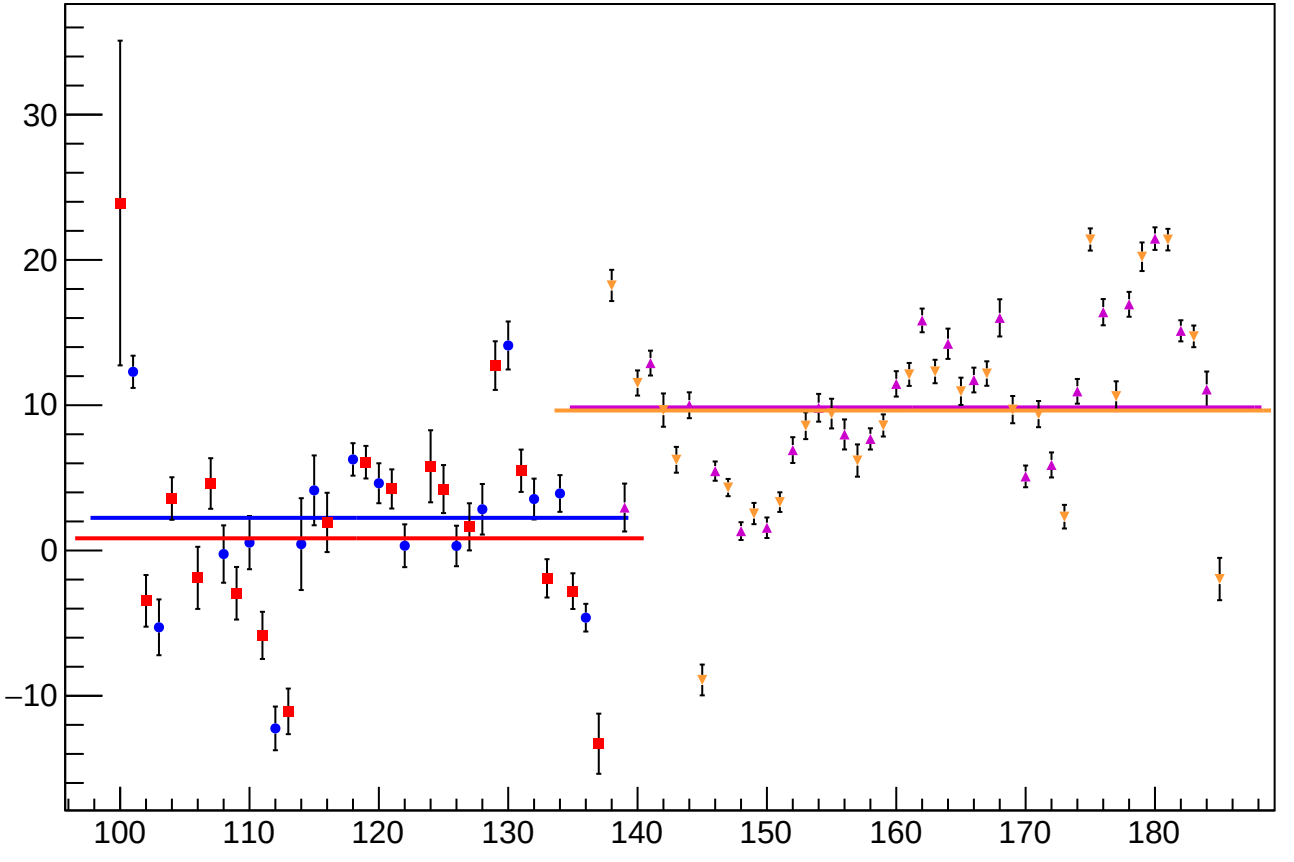
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 62.574+/-0.171 χ^2/NDF: 9244.1/40

All: 63.022+/-0.123 χ^2/NDF: 17088.5/82

- 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: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

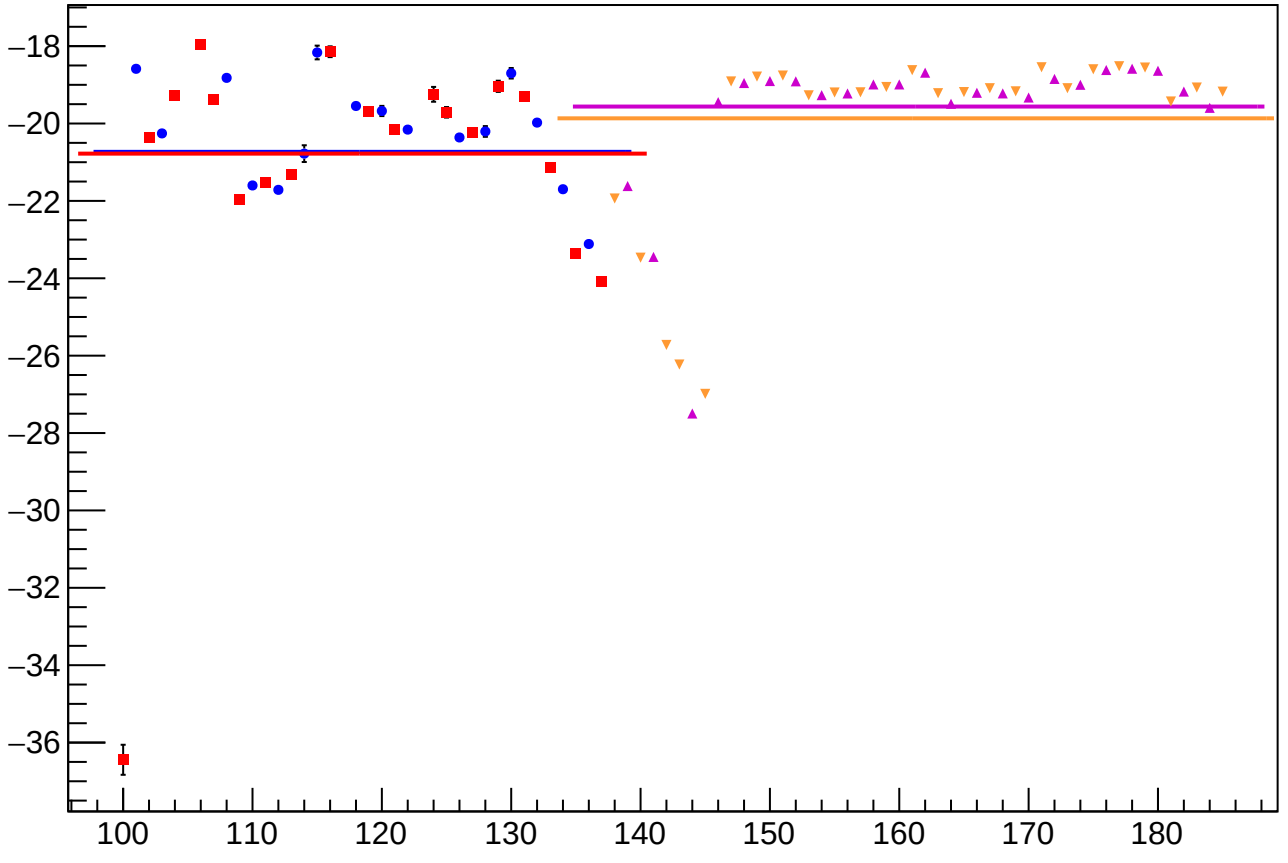
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

\+ sign 8.289+/-0.155 χ^2/NDF: 2149.8/40

All: 8.245+/-0.111 χ^2/NDF: 3877.9/82

\- 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: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

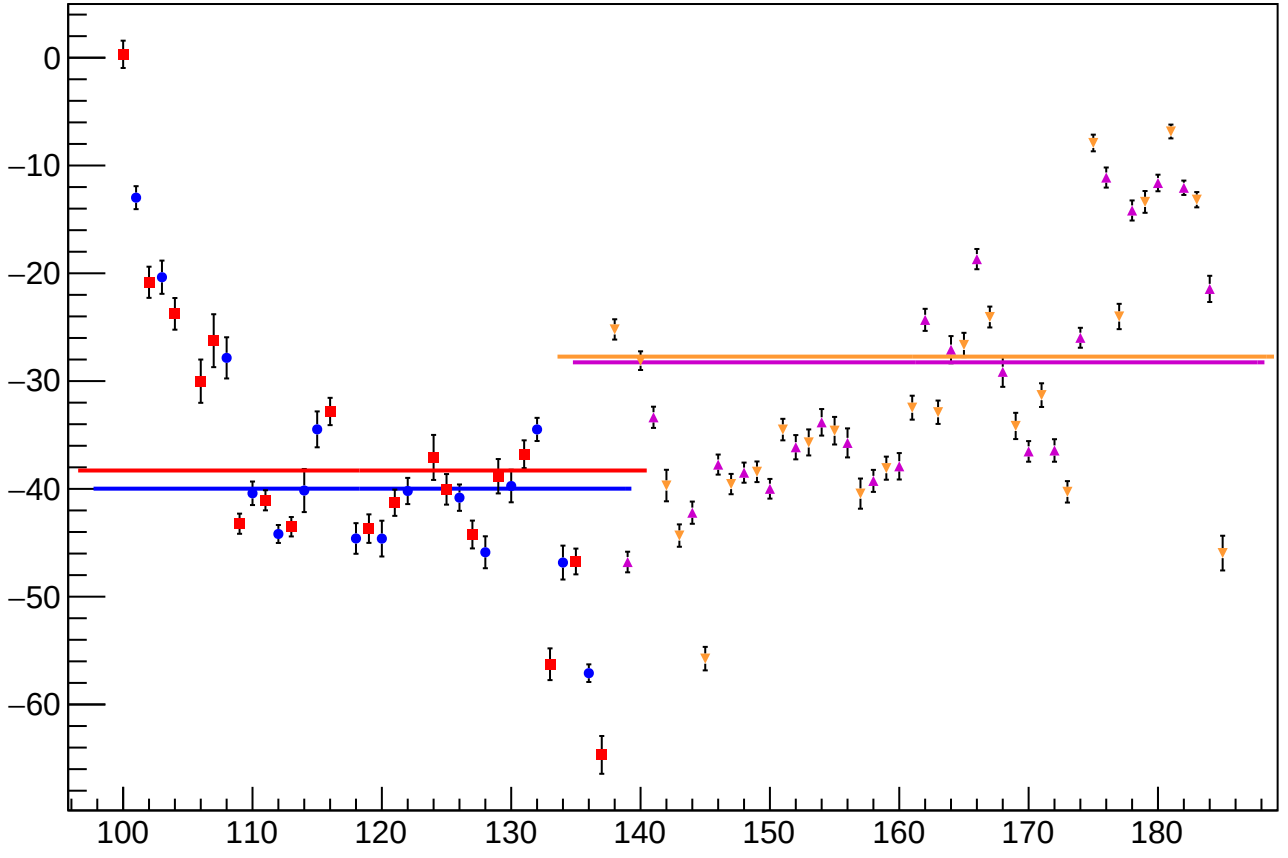
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -19.988+/-0.007 χ^2/NDF: 88238.5/40

All: -19.859+/-0.005 χ^2/NDF: 146622.6/82

- 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: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

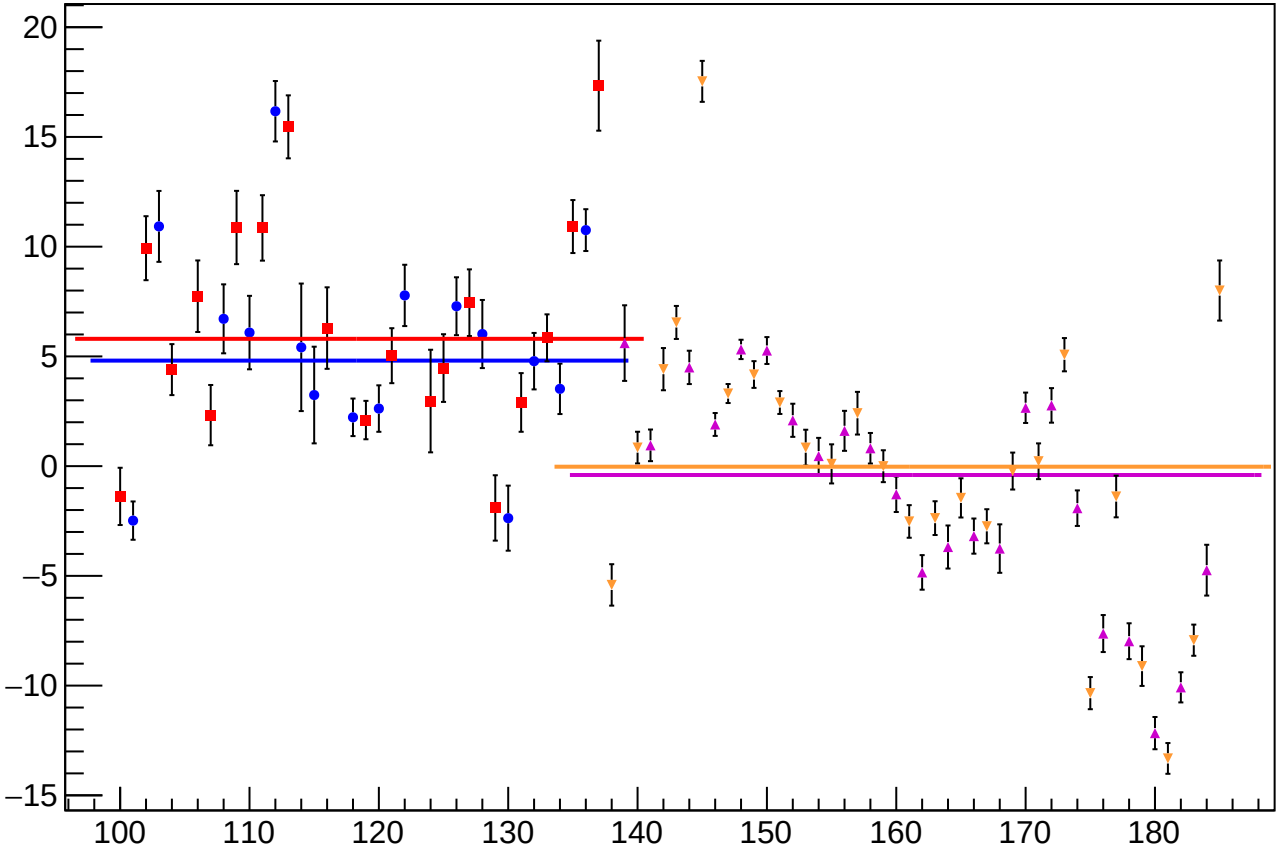
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -31.331+/-0.169 χ^2/NDF: 6792.8/40

All: -31.411+/-0.120 χ^2/NDF: 12502.8/82

- 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: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

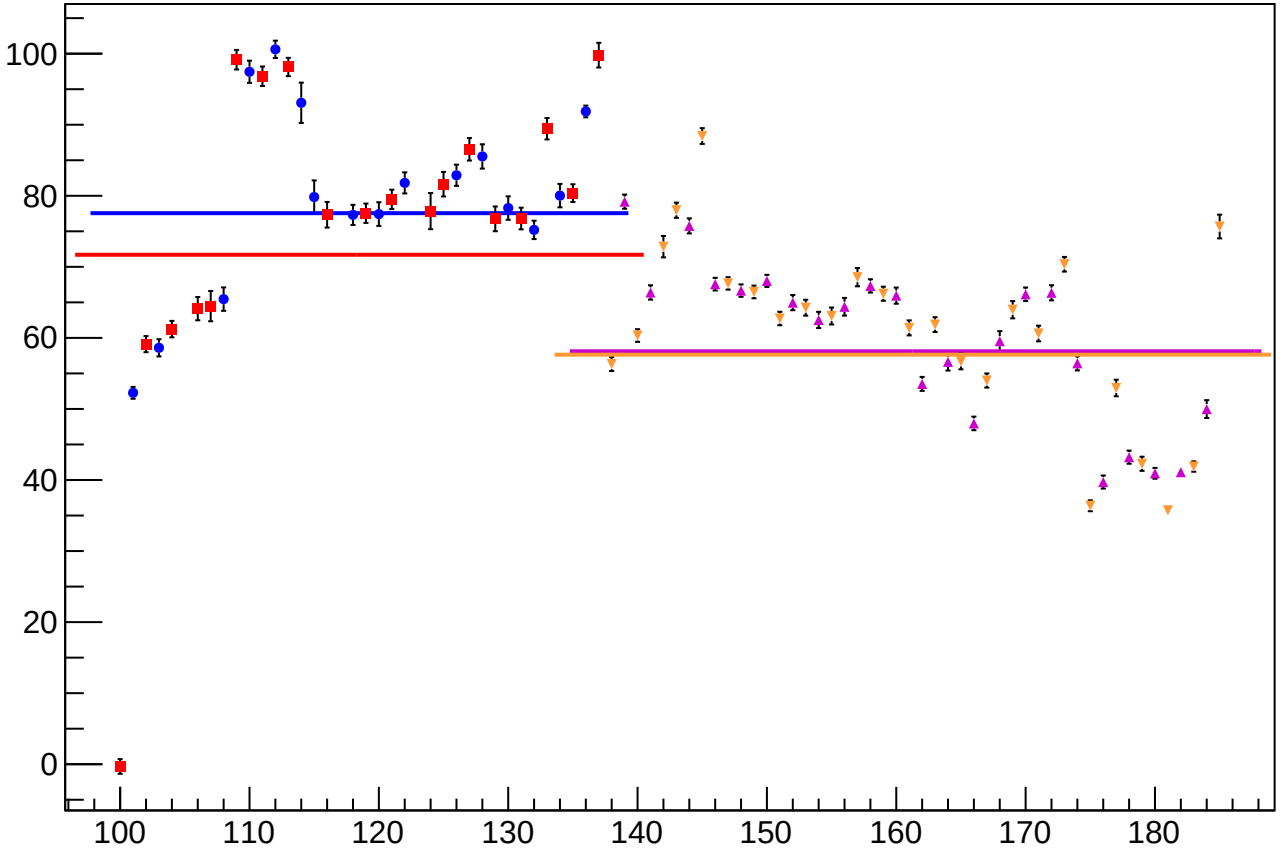
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

\+ sign 0.864+/-0.136 χ^2/NDF: 1962.7/40

All: 0.838+/-0.097 χ^2/NDF: 3575.4/82

\- 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: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

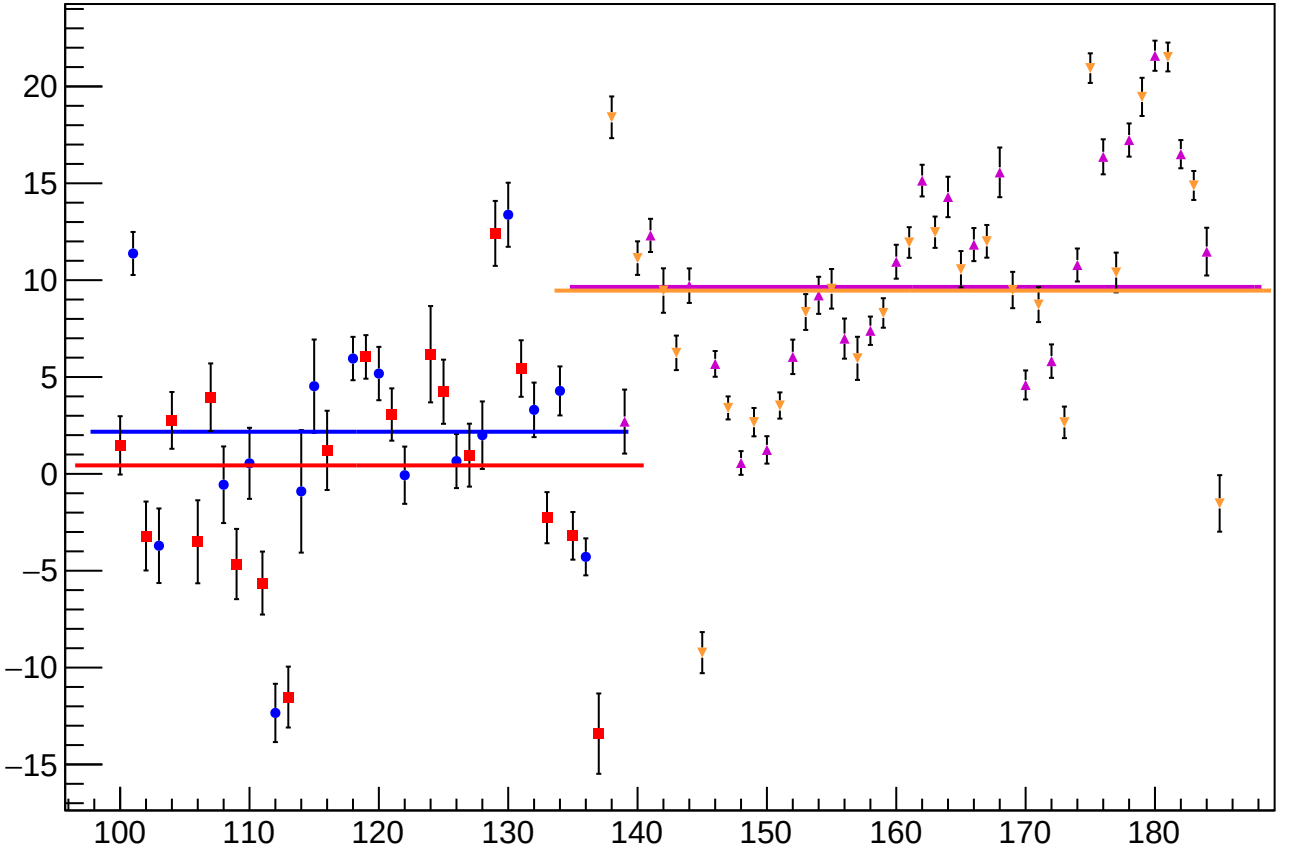
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 62.789+/-0.172 χ^2/NDF: 9314.3/40

All: 62.330+/-0.122 χ^2/NDF: 20899.8/82

- 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: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

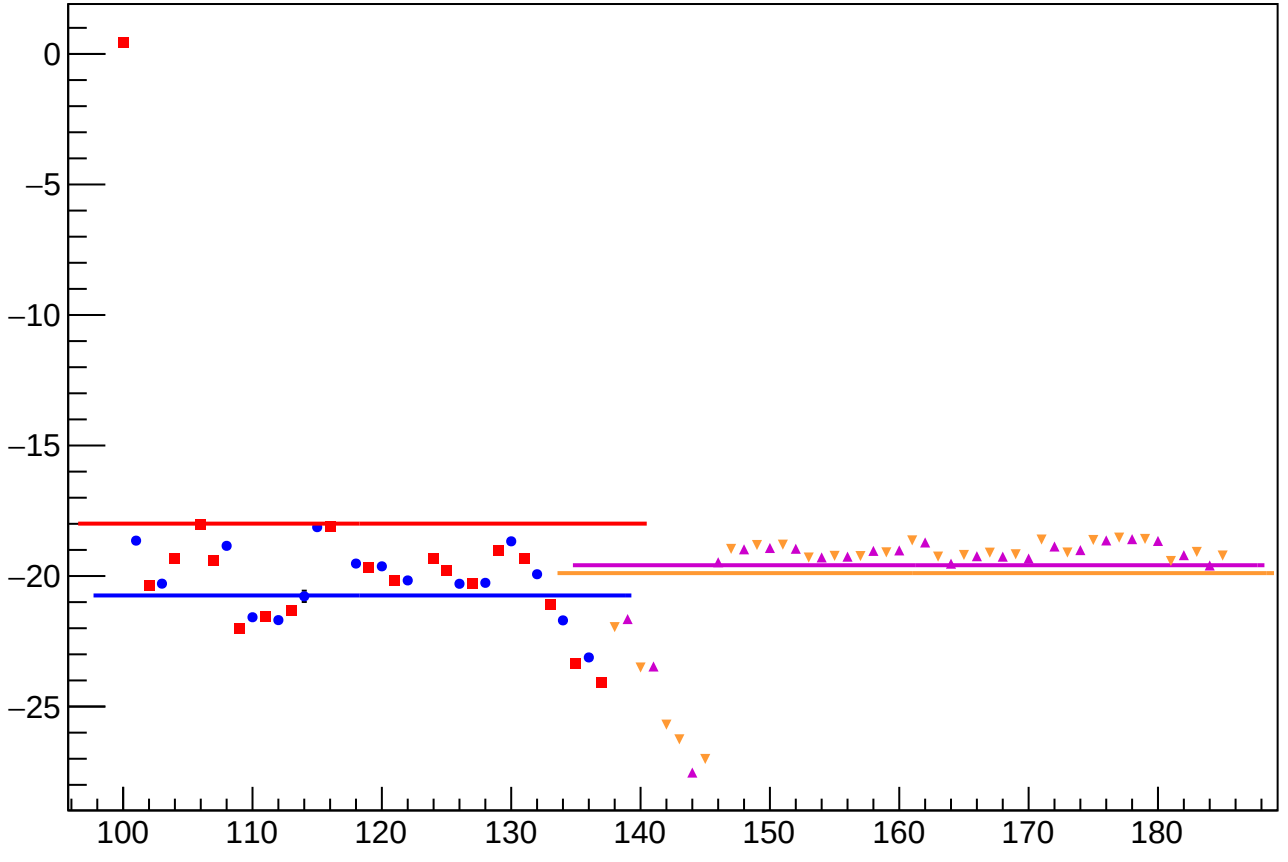
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 8.133+/-0.155 χ^2/NDF: 2101.8/40

All: 8.009+/-0.111 χ^2/NDF: 3959.1/82

- 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: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

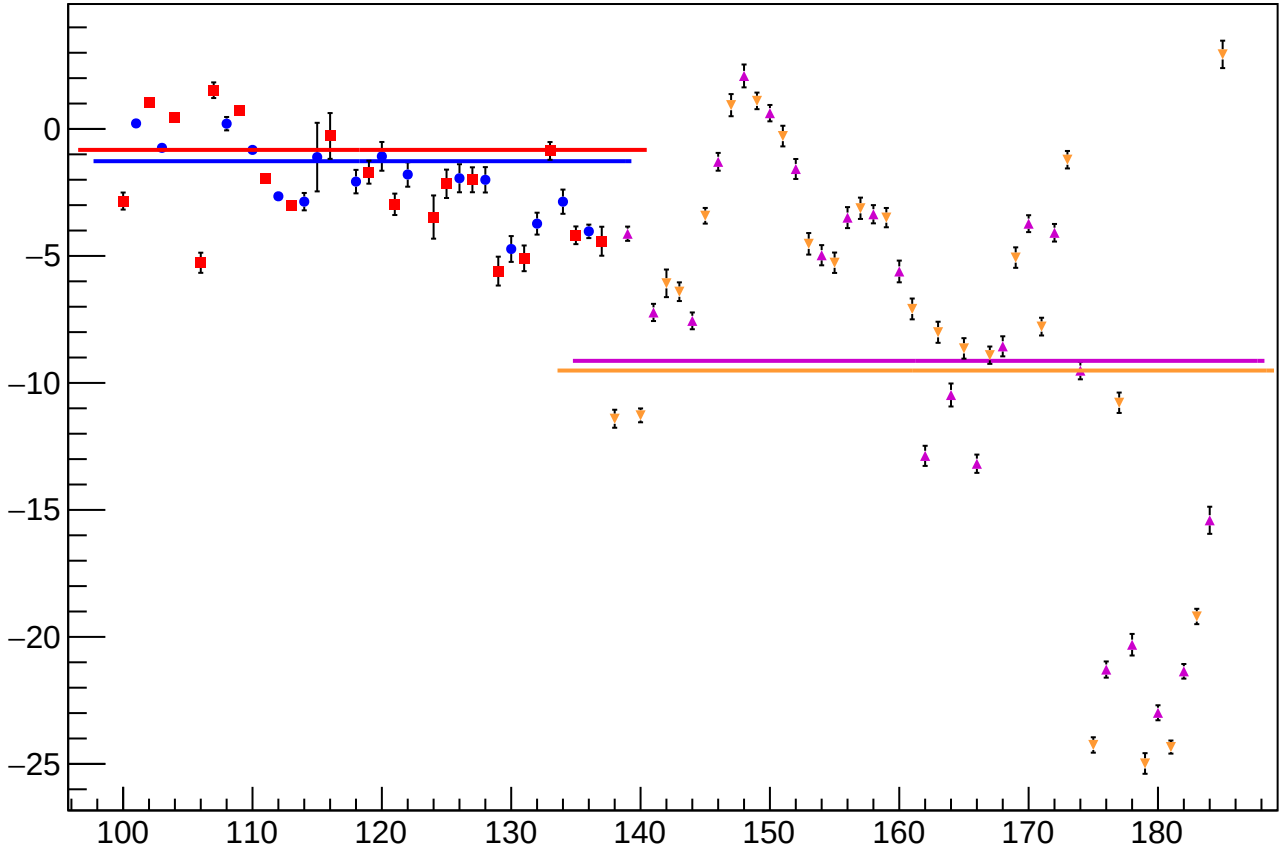
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.009+/-0.007 χ^2/NDF: 87689.4/40

All: -19.679+/-0.005 χ^2/NDF: 293513.2/82

- 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: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

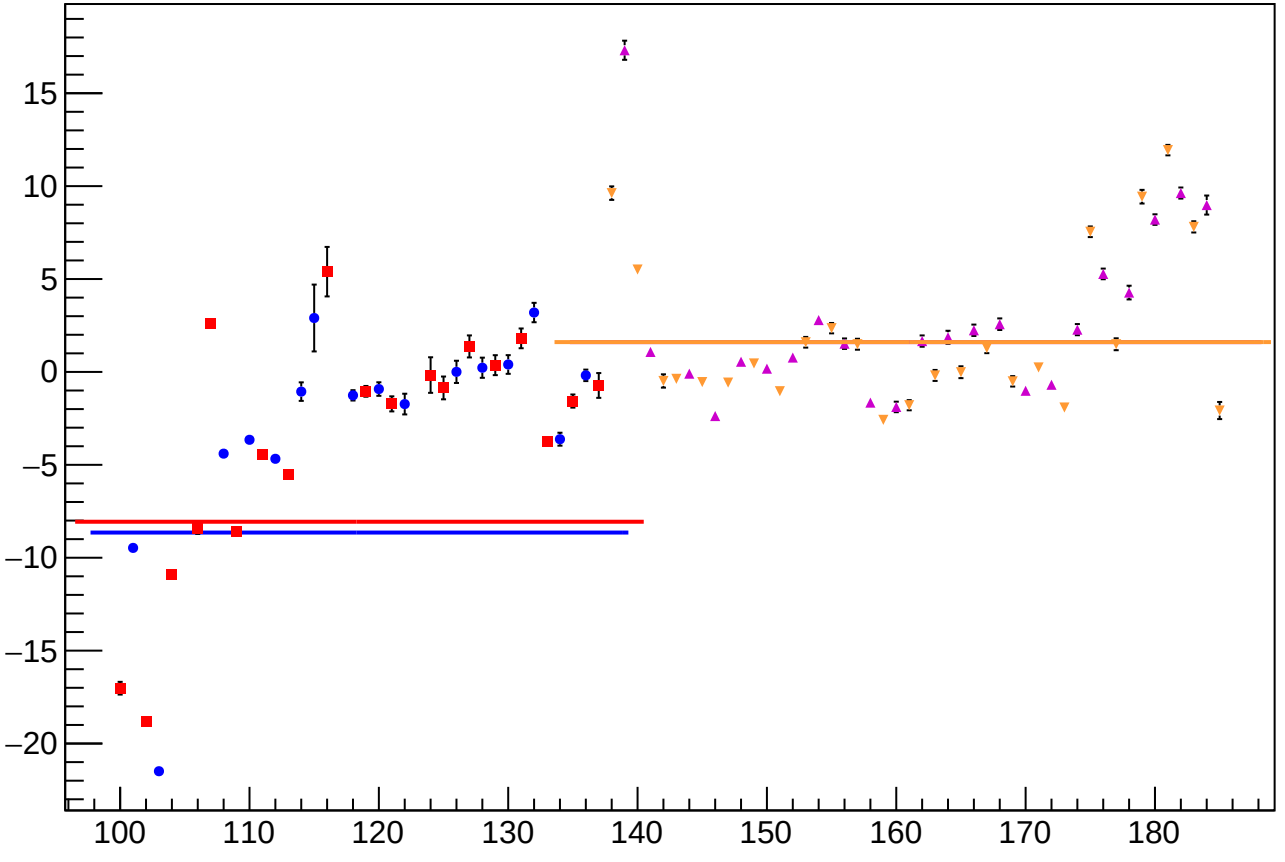
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.240+/-0.044 χ^2/NDF: 21768.4/40

All: -3.839+/-0.030 χ^2/NDF: 42124.6/82

- 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: 1.606+/-0.055 χ^2/NDF:4677.2/24

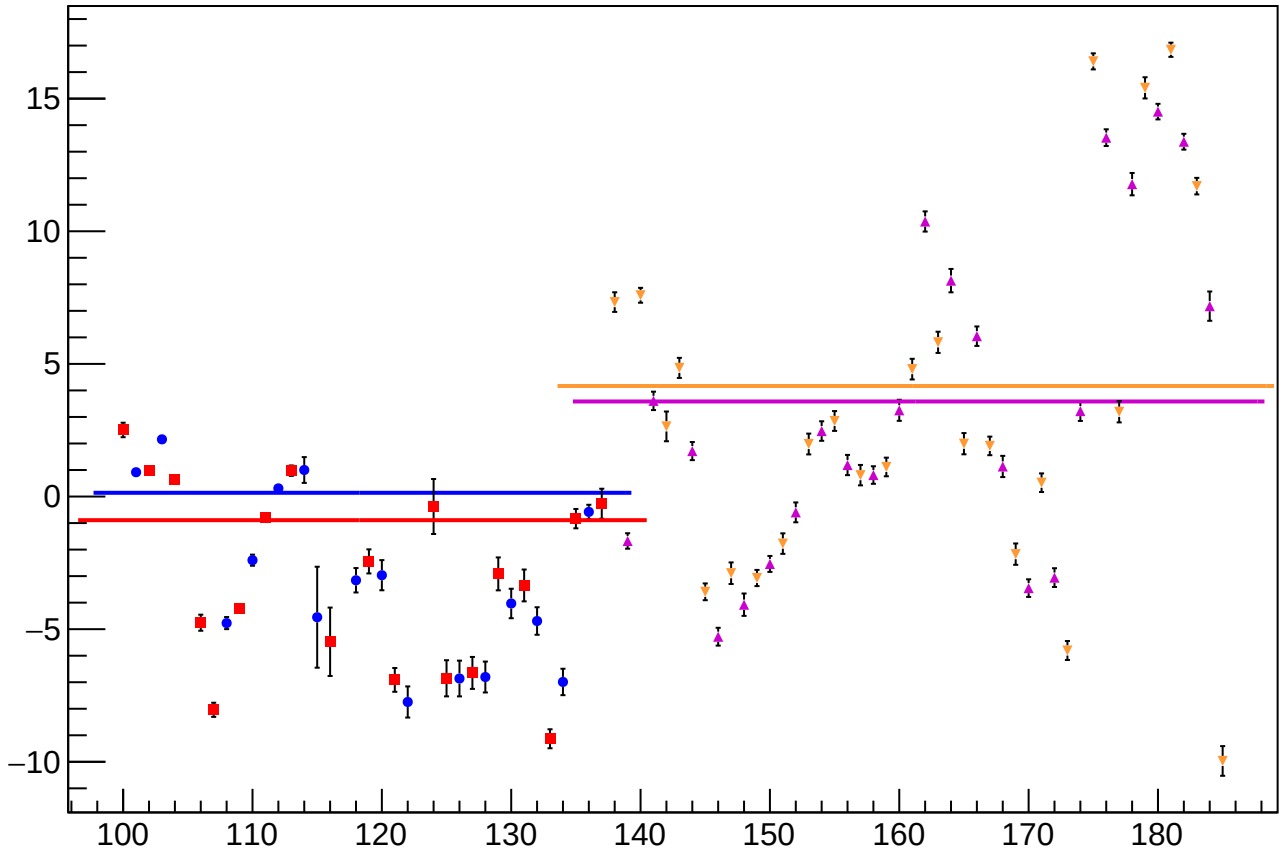
Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -3.359+/-0.040 χ^2/NDF: 35220.2/40

All: -3.303+/-0.028 χ^2/NDF: 67399.9/82

- sign -3.243+/-0.041 χ^2/NDF: 32175.5/41



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

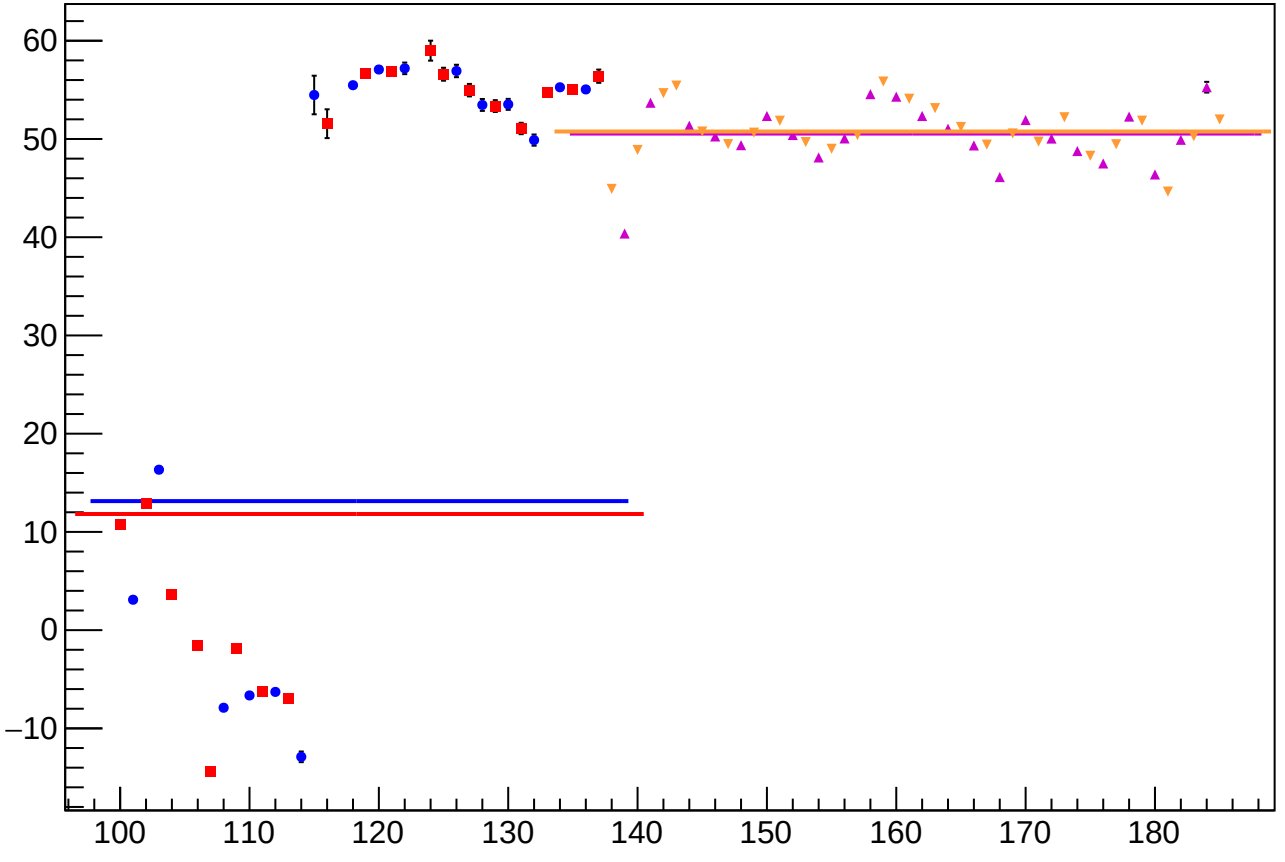
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.552+/-0.043 χ^2/NDF: 13231.3/40

All: 1.109+/-0.030 χ^2/NDF: 26064.3/82

- 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: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

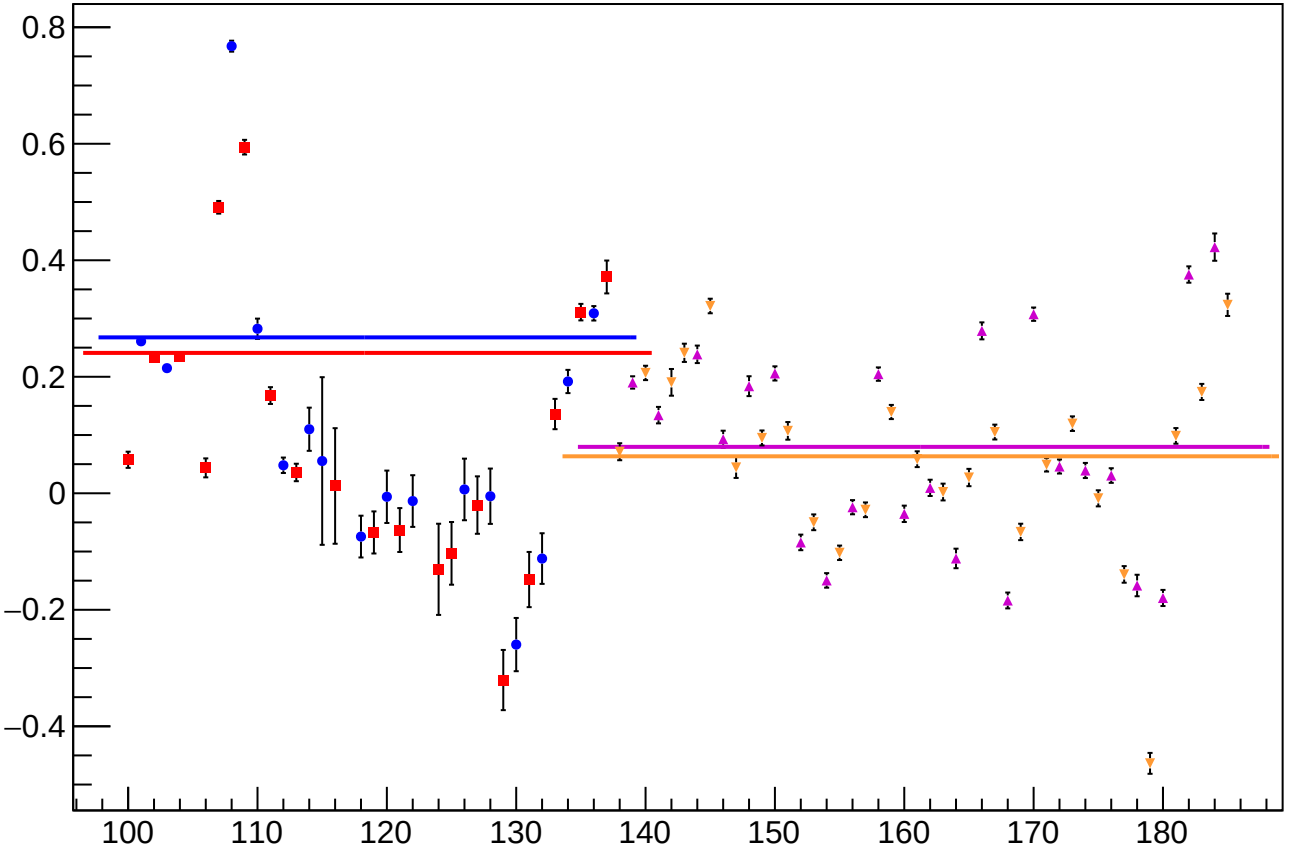
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.534+/-0.046 χ^2/NDF: 276578.4/40

All: 32.823+/-0.033 χ^2/NDF: 567421.1/82

- 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: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

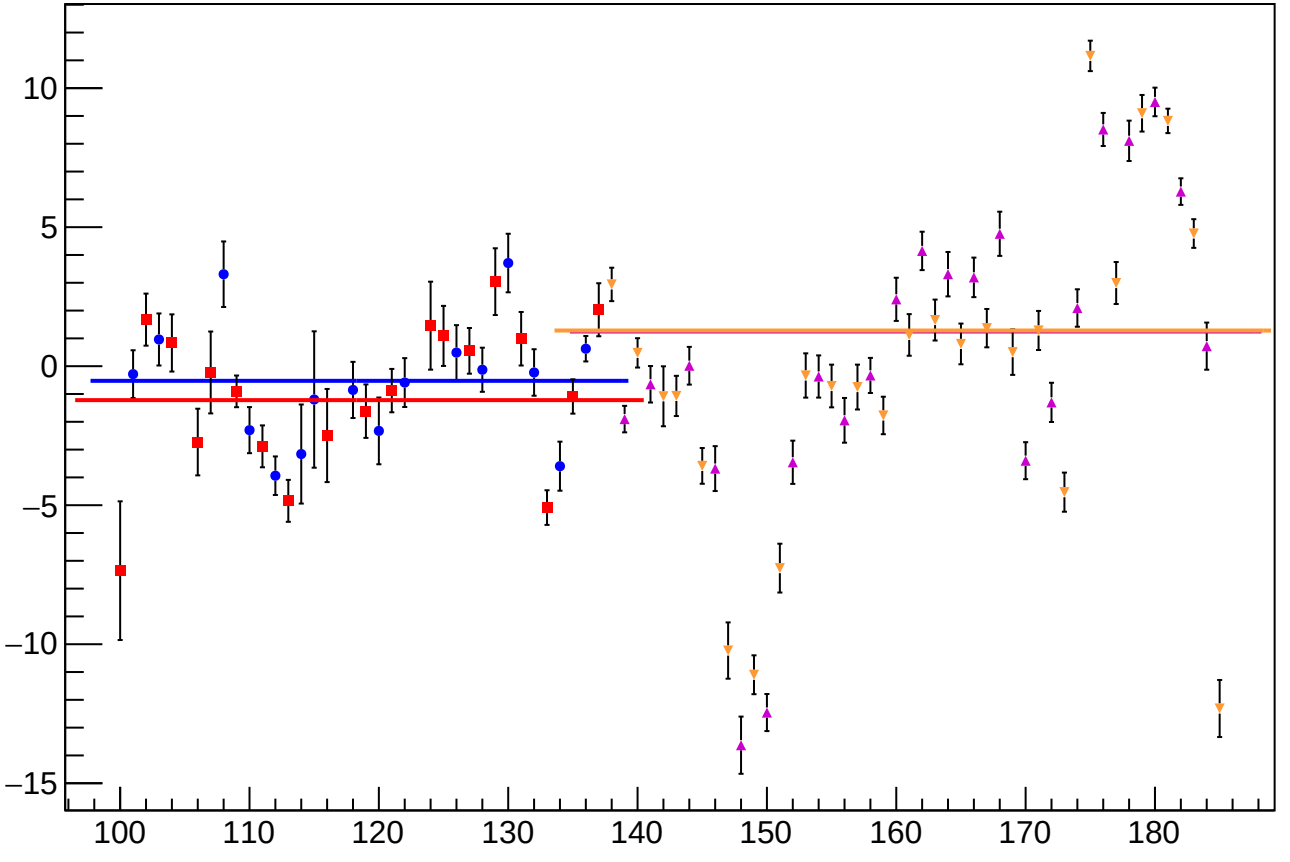
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.165+/-0.002 χ^2/NDF: 8963.9/40

All: 0.164+/-0.001 χ^2/NDF: 16425.2/82

- 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: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

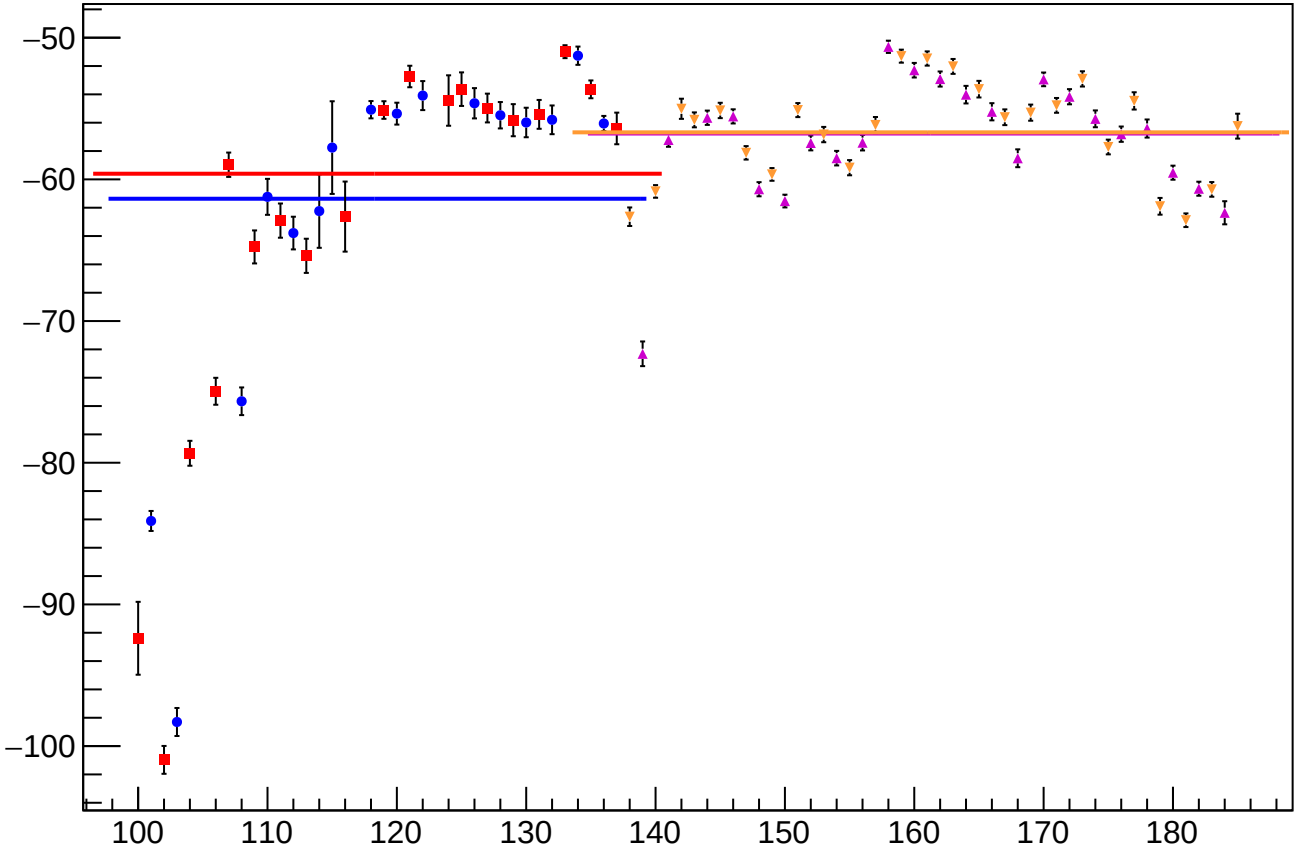
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.768+/-0.116 χ^2/NDF: 1848.0/40

All: 0.612+/-0.082 χ^2/NDF: 3593.8/82

- 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: -56.680+/-0.107 χ^2/NDF:1014.5/24

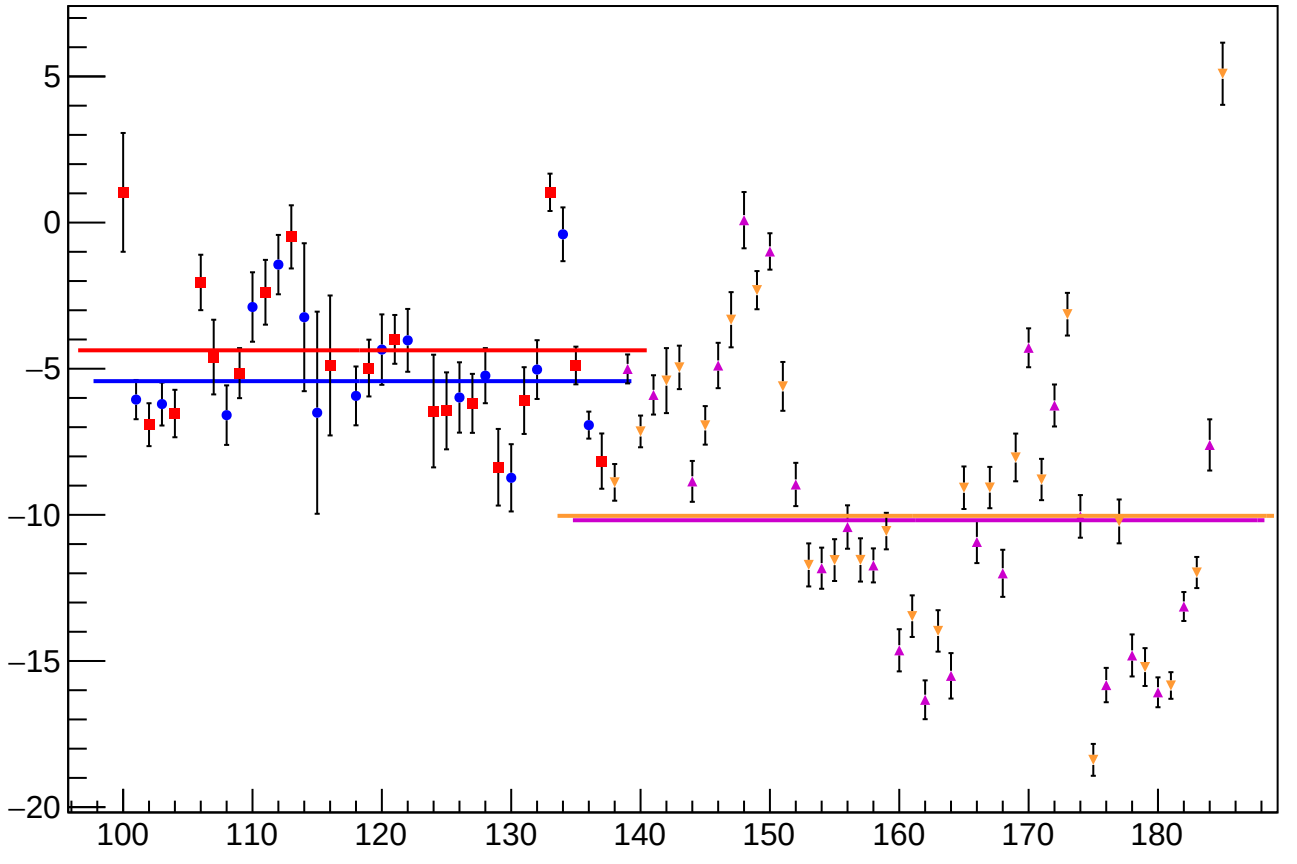
Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -57.586+/-0.096 χ^2/NDF: 4735.0/40

All: -57.500+/-0.069 χ^2/NDF: 9412.5/82

- sign -57.409+/-0.098 χ^2/NDF: 4675.8/41



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

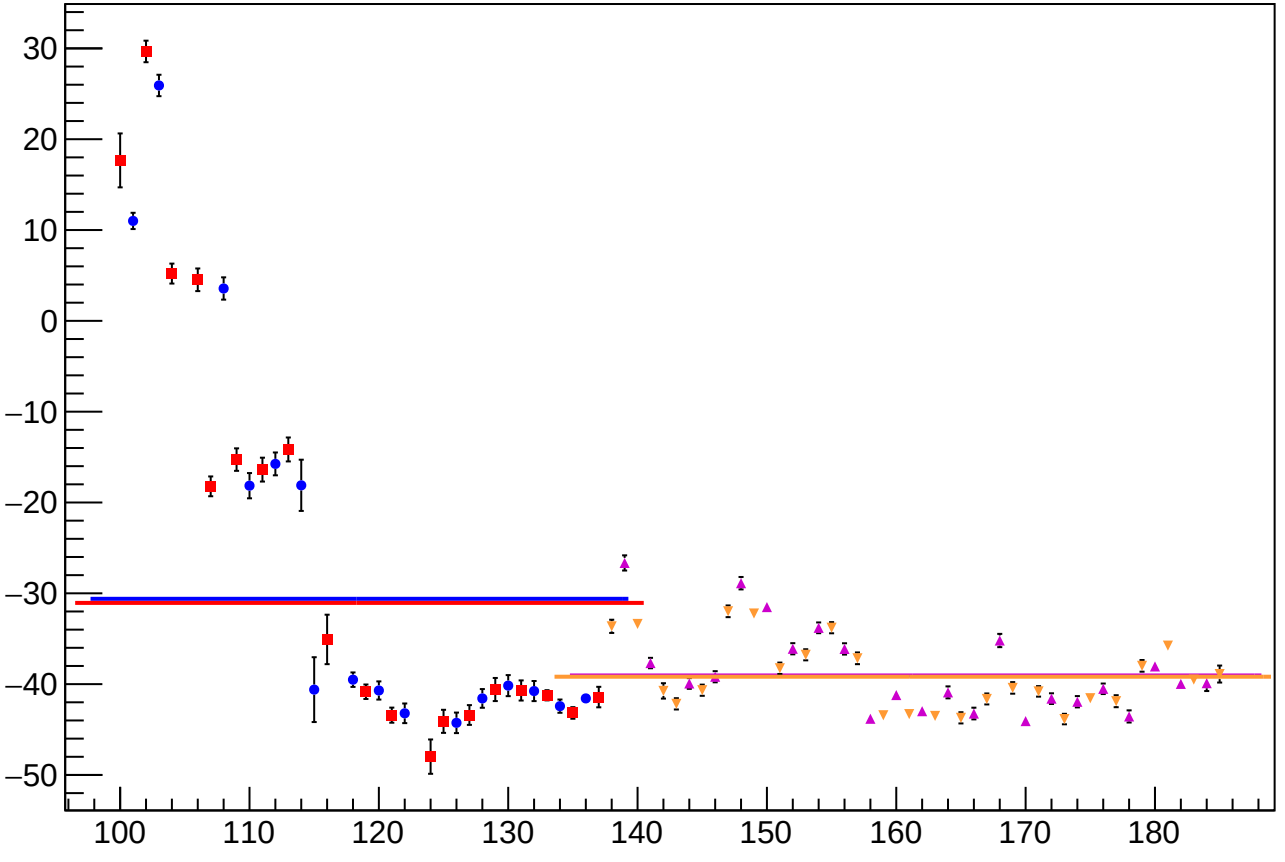
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

\+ sign -8.837+/-0.117 χ^2/NDF: 1555.7/40

All: -8.694+/-0.083 χ^2/NDF: 3348.7/82

\- 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: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

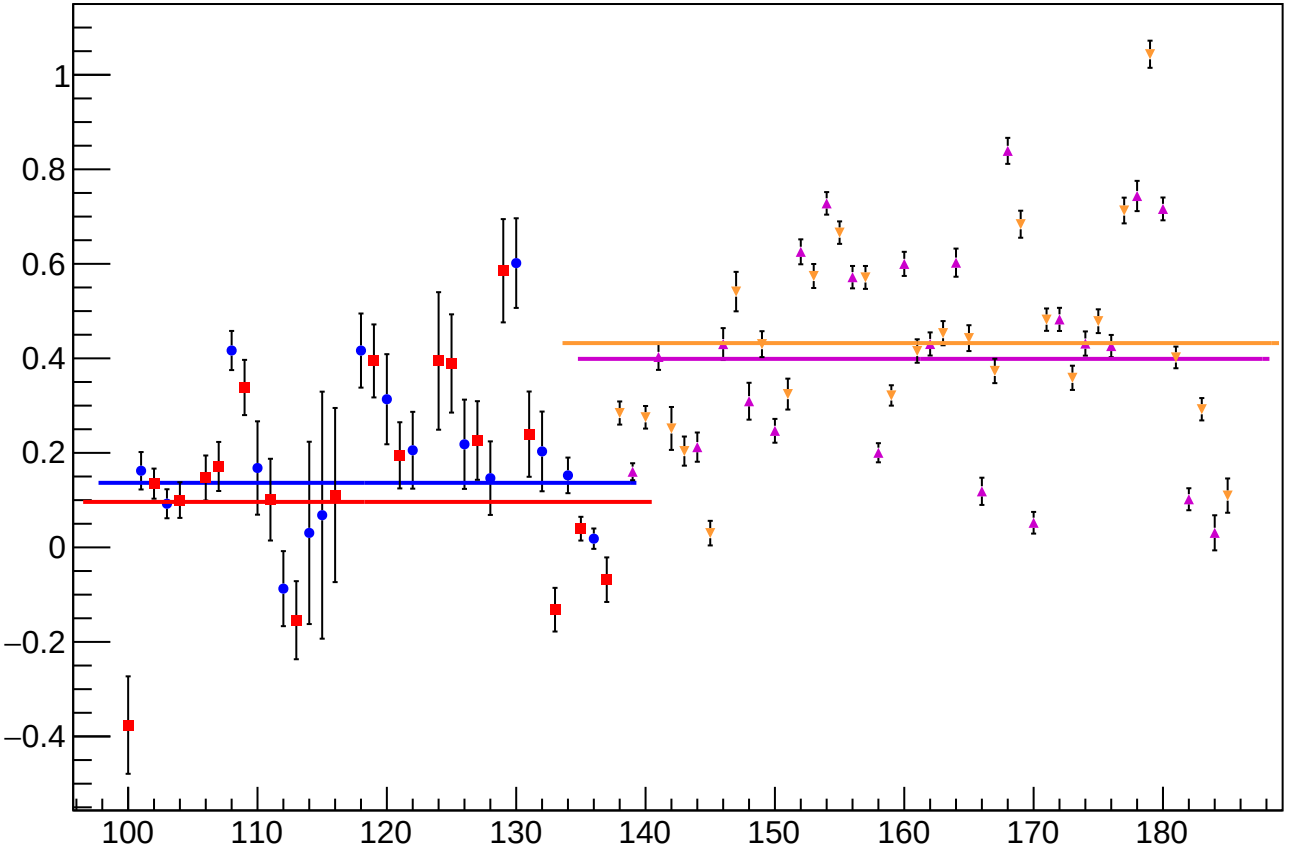
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -37.570+/-0.108 χ^2/NDF: 8932.7/40

All: -37.453+/-0.077 χ^2/NDF: 18024.5/82

- 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: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

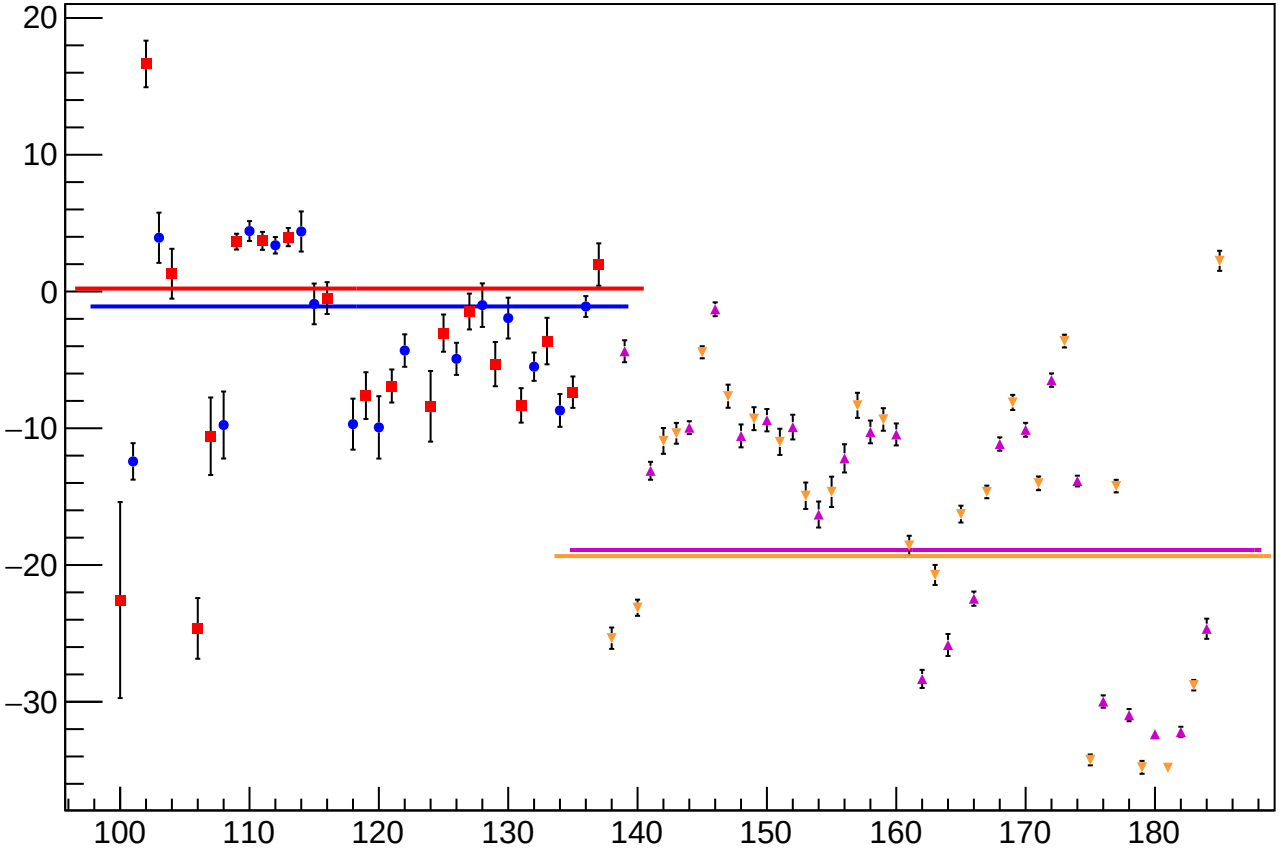
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.387+/-0.005 χ^2/NDF: 1972.0/40

All: 0.369+/-0.003 χ^2/NDF: 4577.1/82

- 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: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

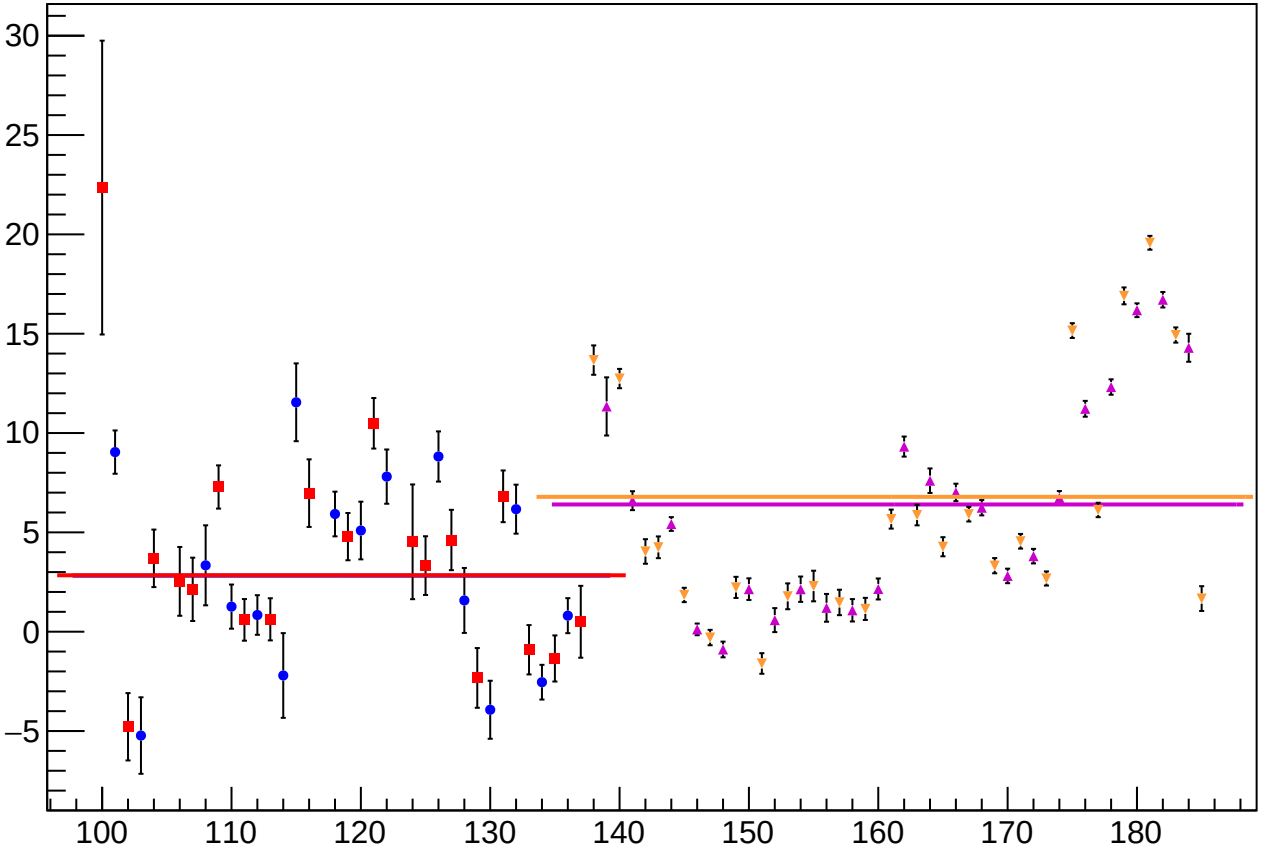
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.785+/-0.105 χ^2/NDF: 14365.7/40

All: -16.321+/-0.075 χ^2/NDF: 27545.9/82

- 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: 6.788+/-0.090 χ^2/NDF:4632.5/24

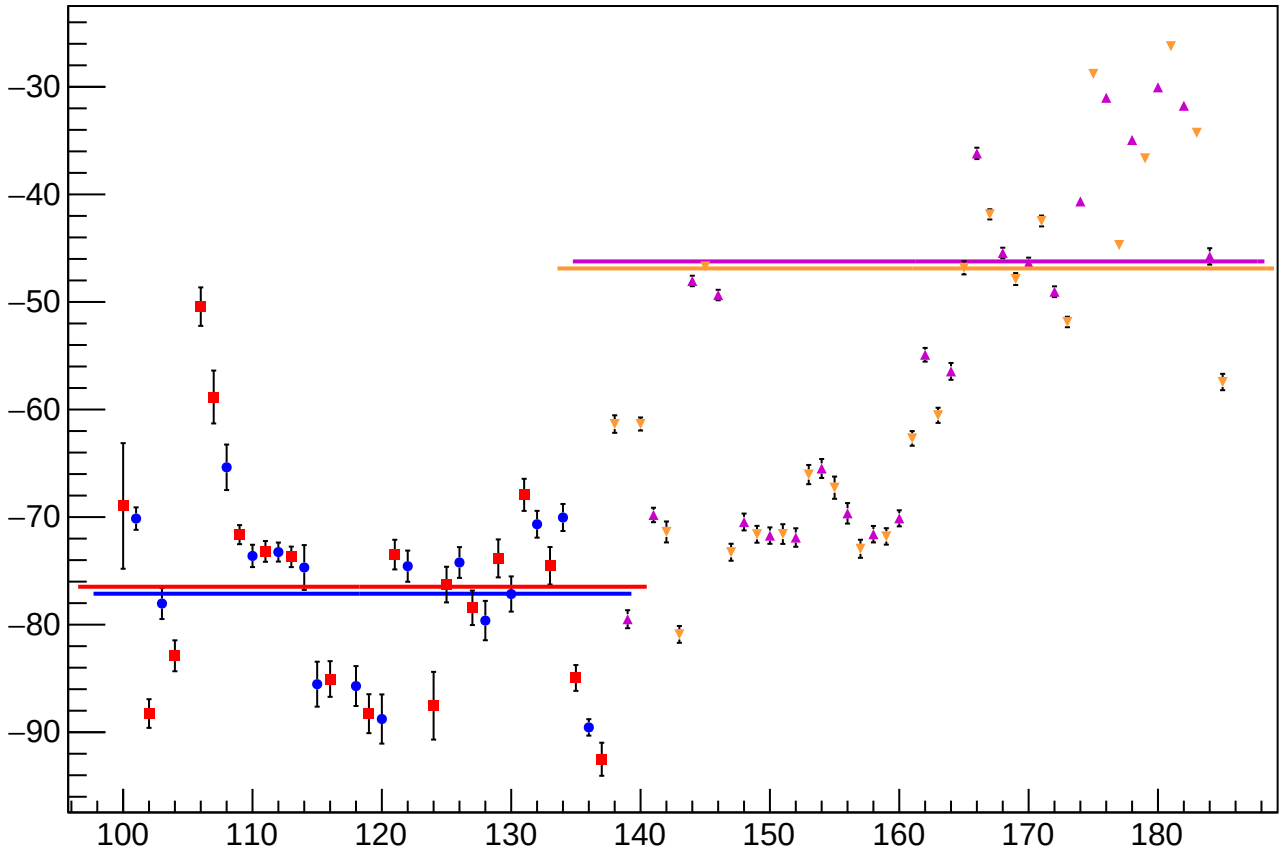
Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.485+/-0.087 χ^2/NDF: 4979.9/40

All: 6.315+/-0.062 χ^2/NDF: 8656.4/82

- 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: -46.883+/-0.114 χ^2/NDF:17974.5/24

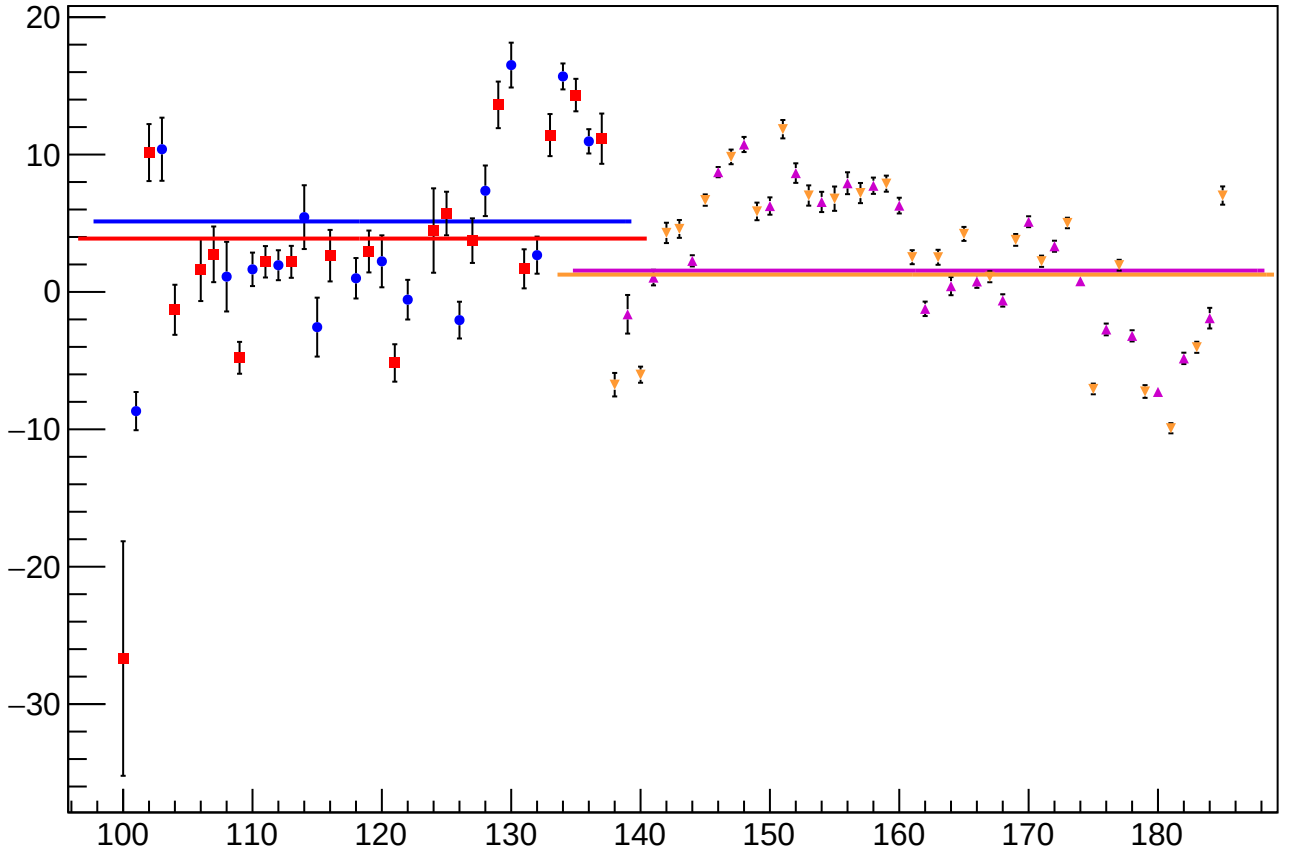
Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.167+/-0.108 χ^2/NDF: 26134.5/40

All: -49.888+/-0.077 χ^2/NDF: 49546.8/82

- sign -49.598+/-0.110 χ^2/NDF: 23398.6/41



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

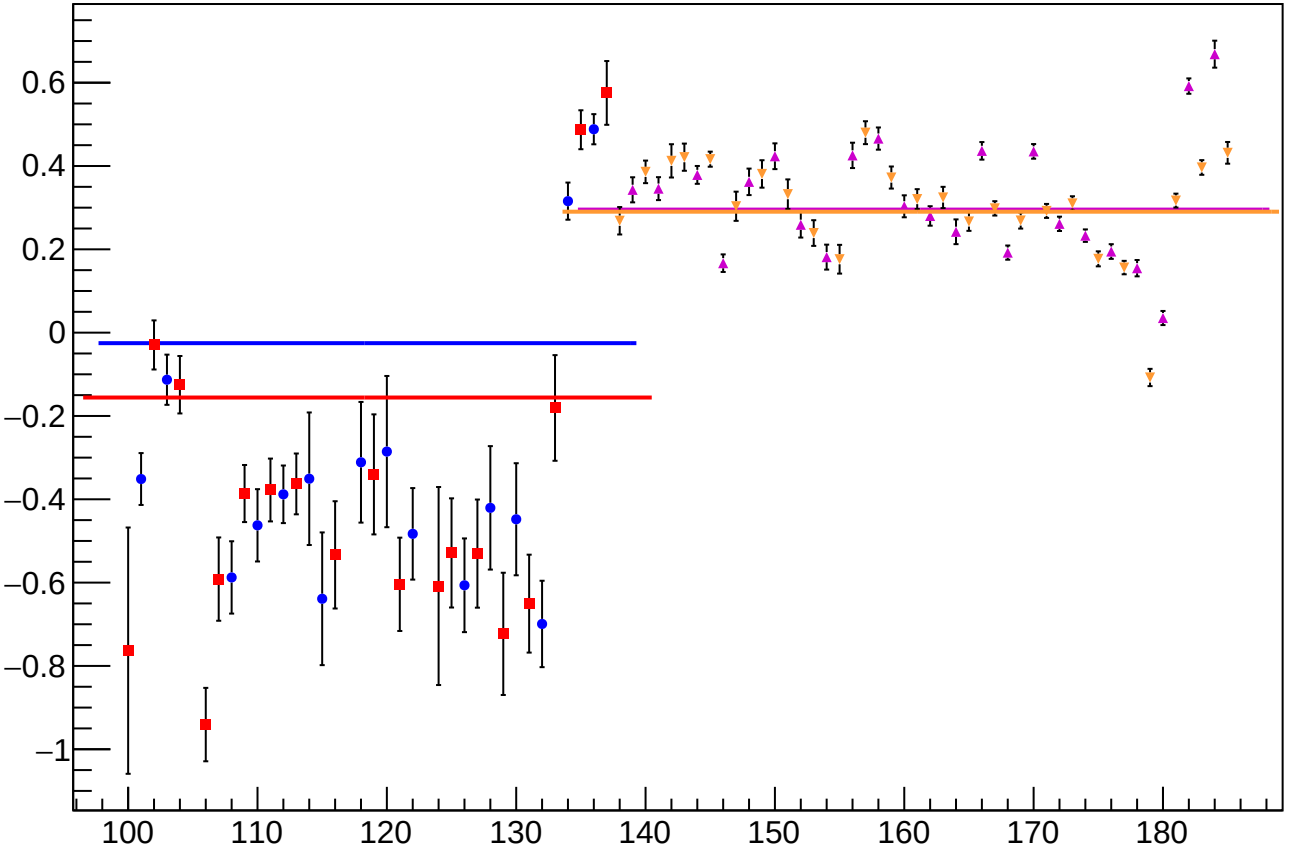
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.556+/-0.096 χ^2/NDF: 3971.2/40

All: 1.638+/-0.069 χ^2/NDF: 6638.4/82

- 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: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

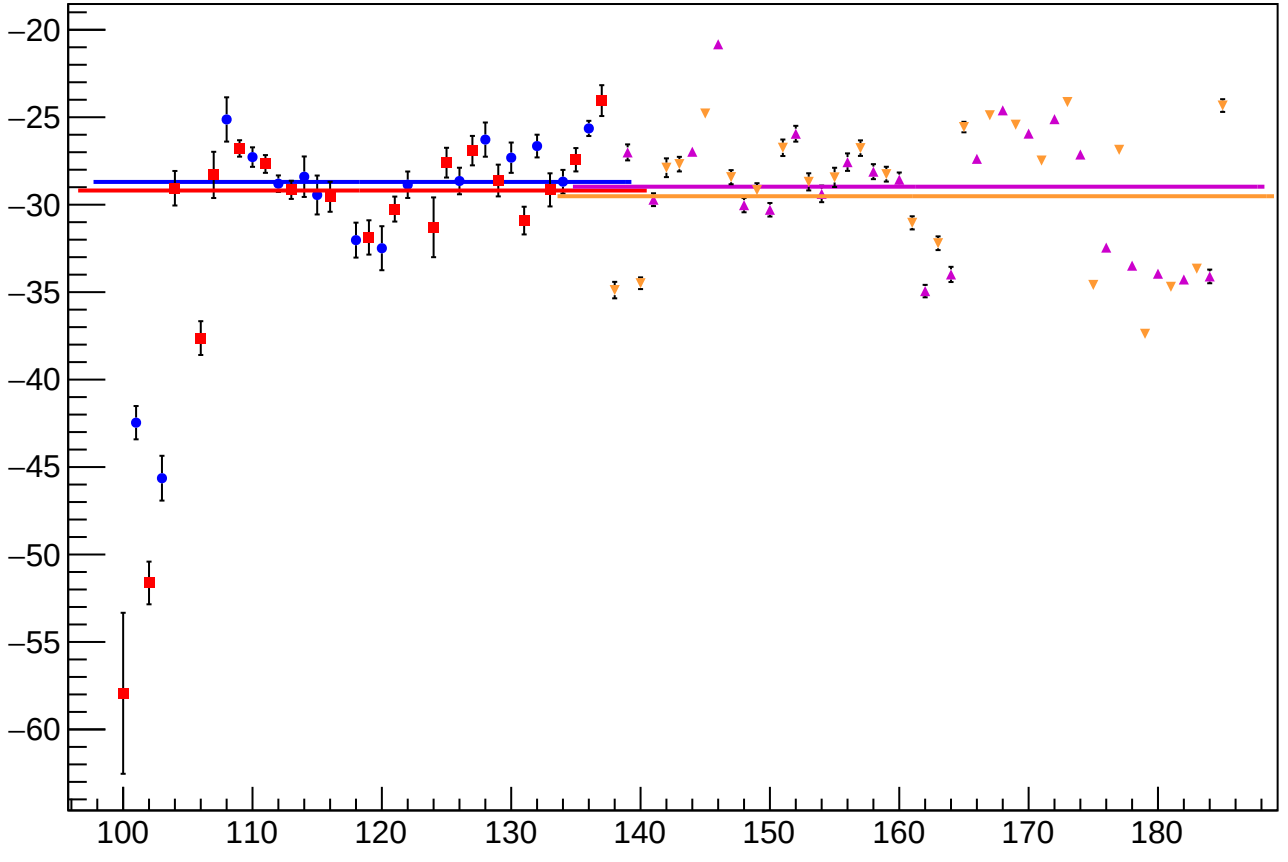
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.274+/-0.004 χ^2/NDF: 1494.6/40

All: 0.274+/-0.003 χ^2/NDF: 3498.8/82

- 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: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

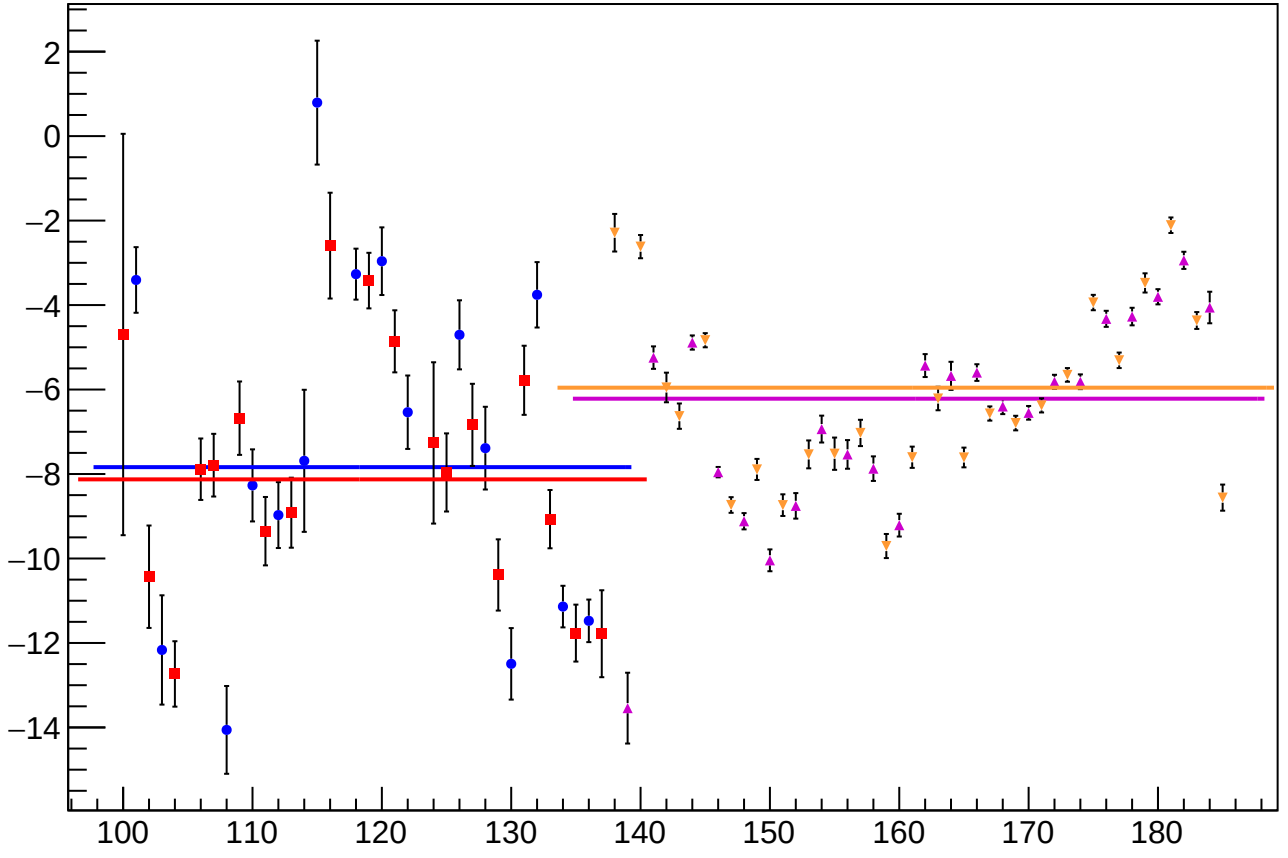
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.447+/-0.054 χ^2/NDF: 6593.5/40

All: -29.221+/-0.038 χ^2/NDF: 12536.3/82

- 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: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

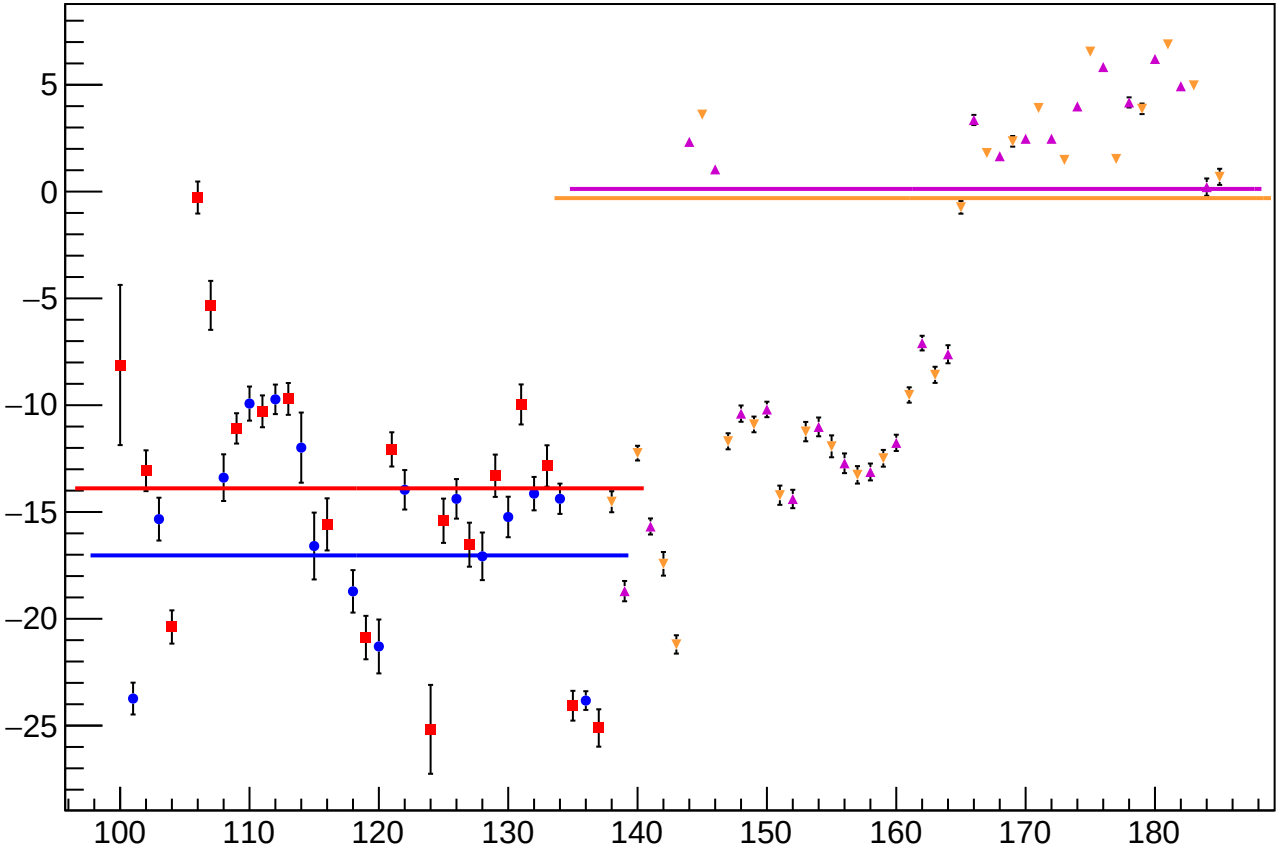
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.049+/-0.043 χ^2/NDF: 2329.5/40

All: -6.180+/-0.031 χ^2/NDF: 4376.4/82

- 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: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

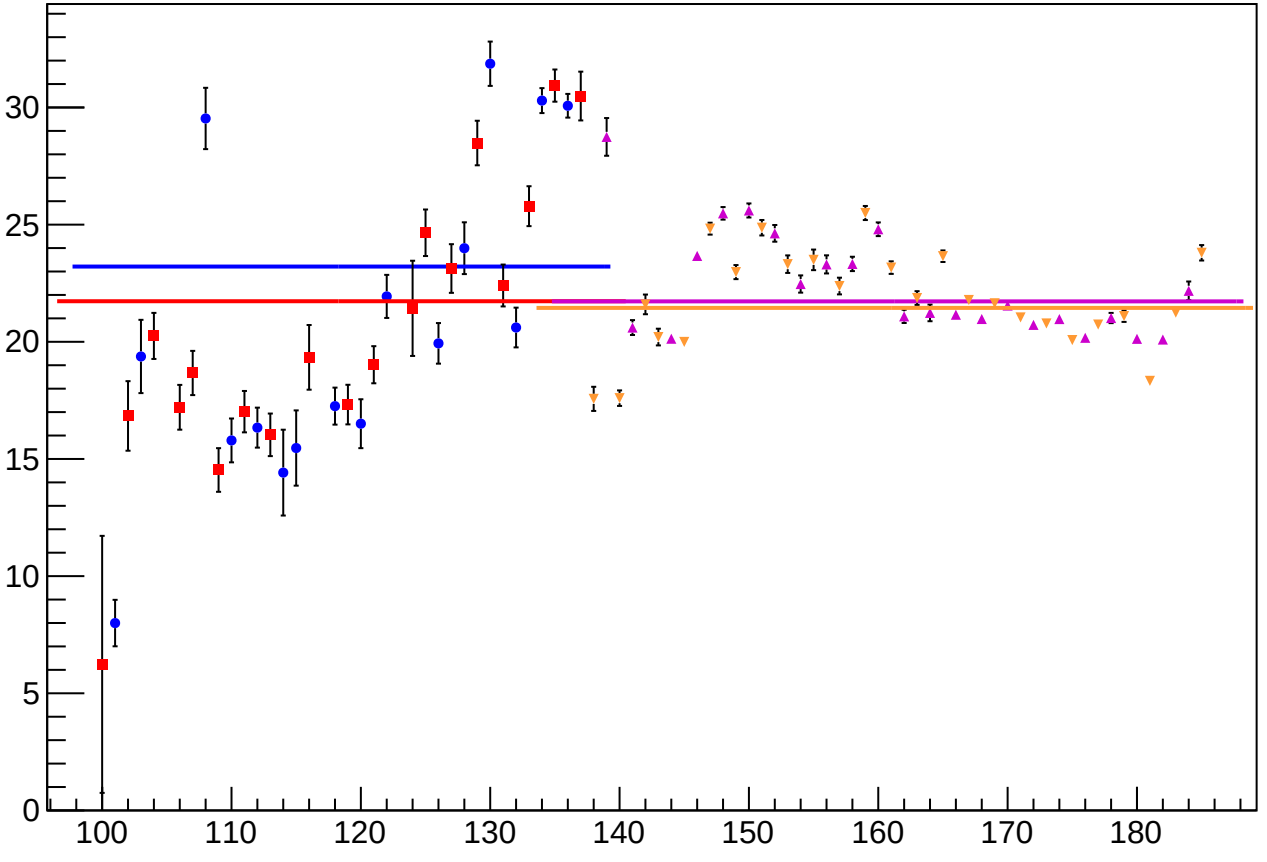
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.444+/-0.055 χ^2/NDF: 23731.1/40

All: -1.145+/-0.039 χ^2/NDF: 42821.9/82

- 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: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

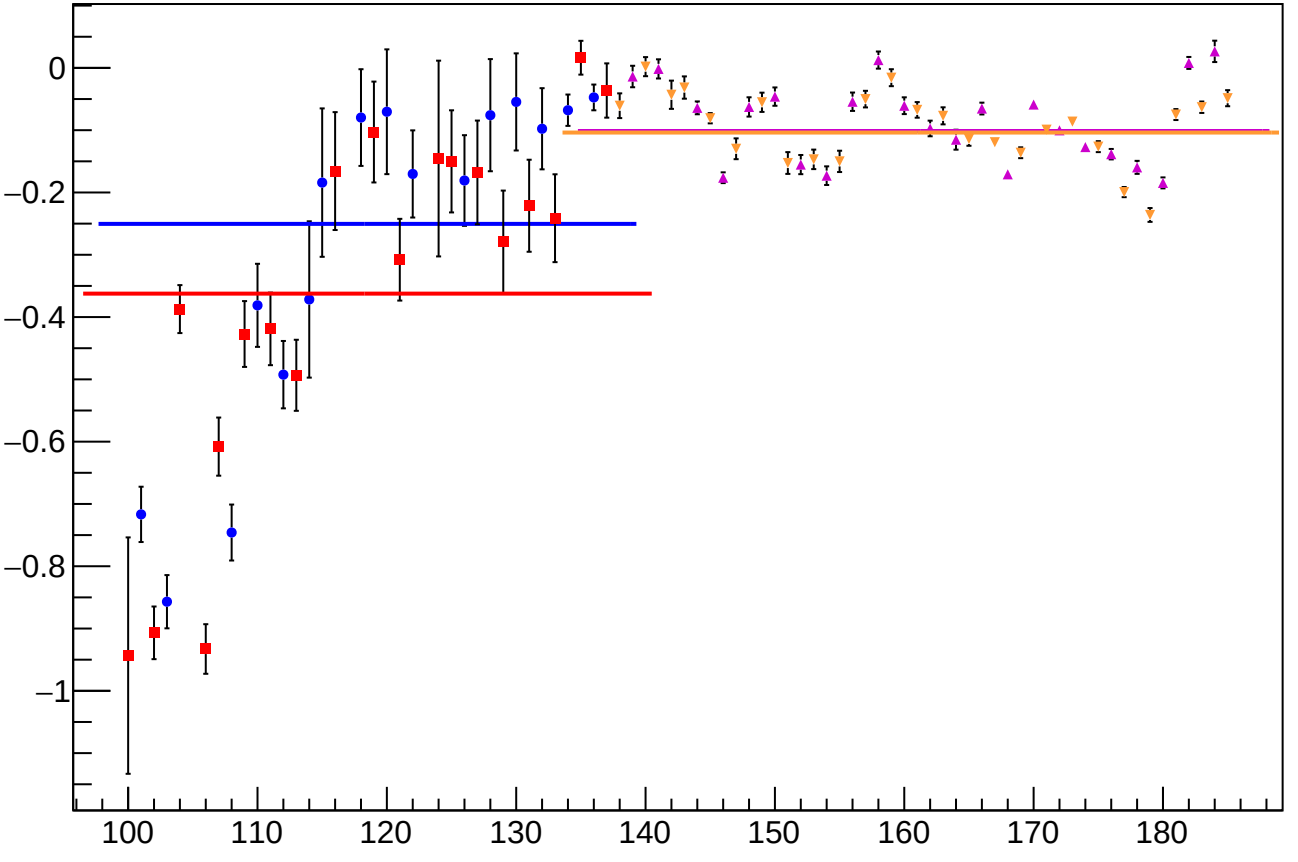
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.533+/-0.048 χ^2/NDF: 2395.7/40

All: 21.629+/-0.034 χ^2/NDF: 4135.5/82

- 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: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

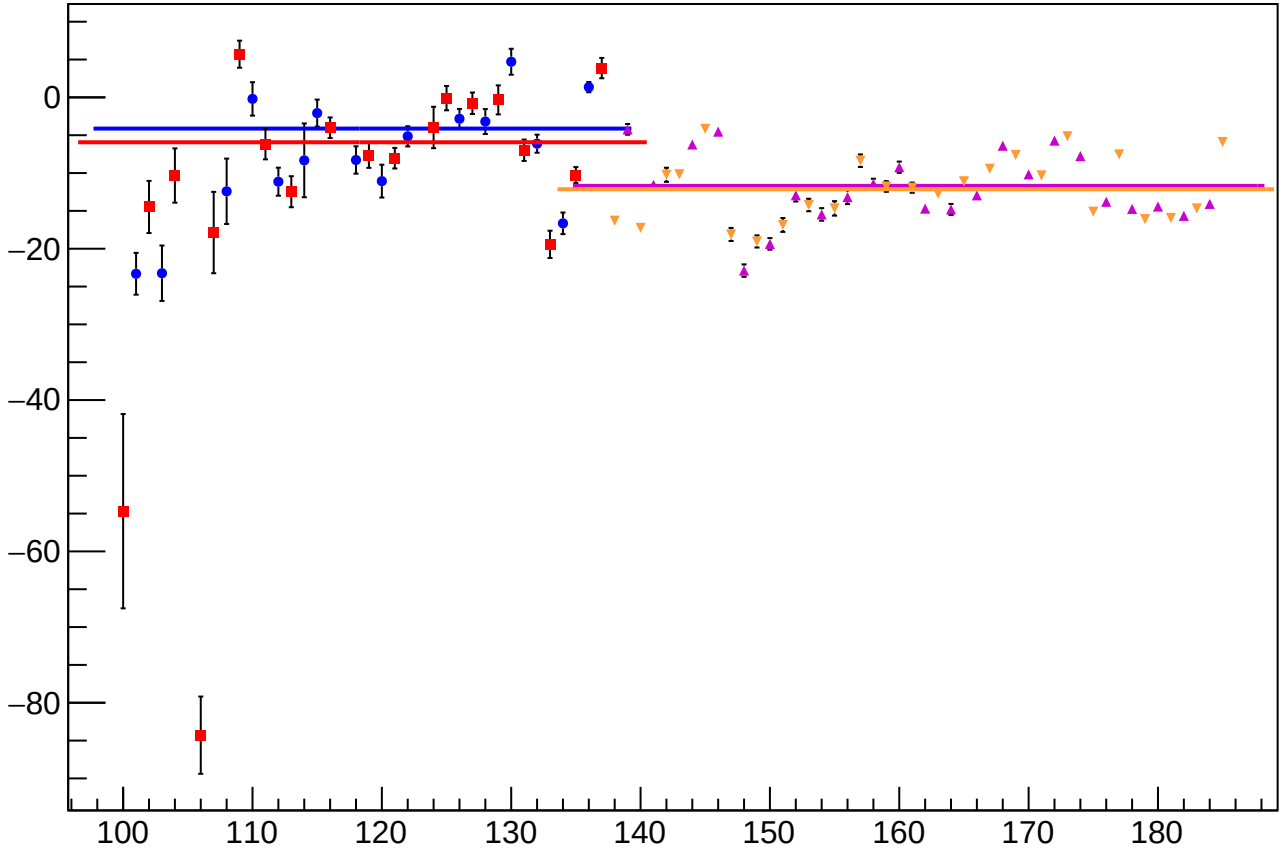
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.109+/-0.002 χ^2/NDF: 1333.7/40

All: -0.109+/-0.002 χ^2/NDF: 3228.5/82

- 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: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

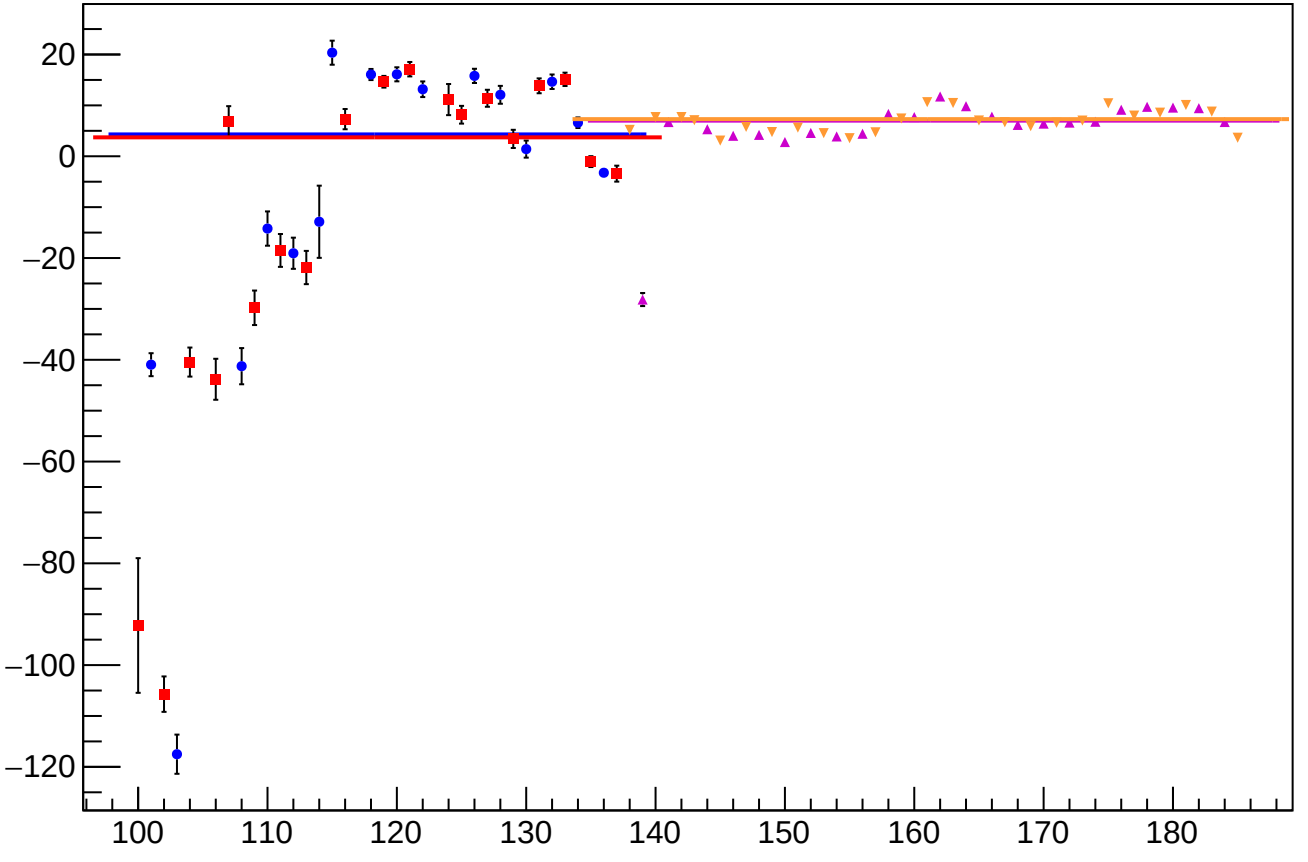
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.707+/-0.089 χ^2/NDF: 2835.6/40

All: -11.561+/-0.064 χ^2/NDF: 5464.8/82

- sign -11.405+/-0.092 χ^2/NDF: 2623.6/41

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

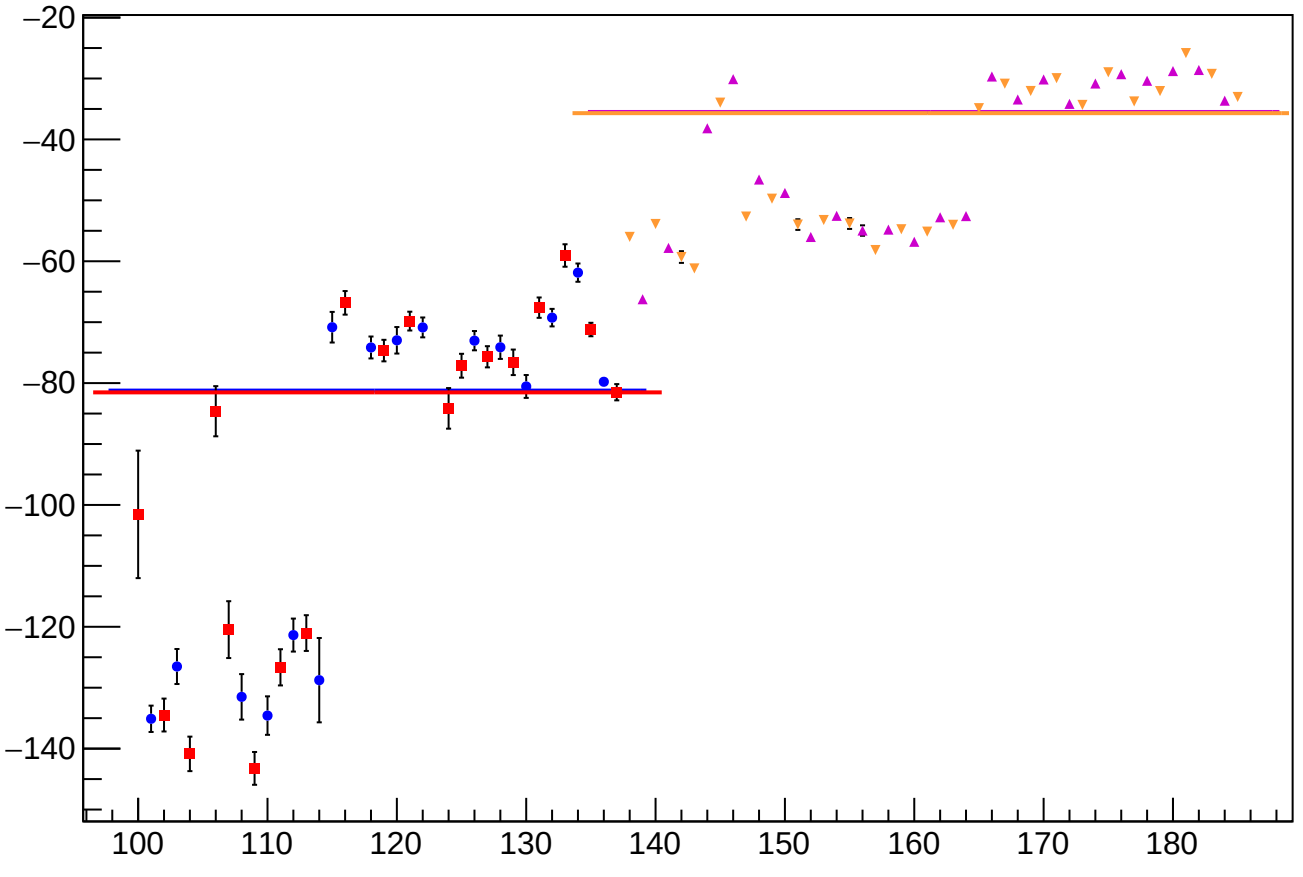
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.187+/-0.074 χ^2/NDF: 3050.6/40

All: 7.047+/-0.052 χ^2/NDF: 6699.9/82

- sign 6.901+/-0.075 χ^2/NDF: 3641.9/41



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

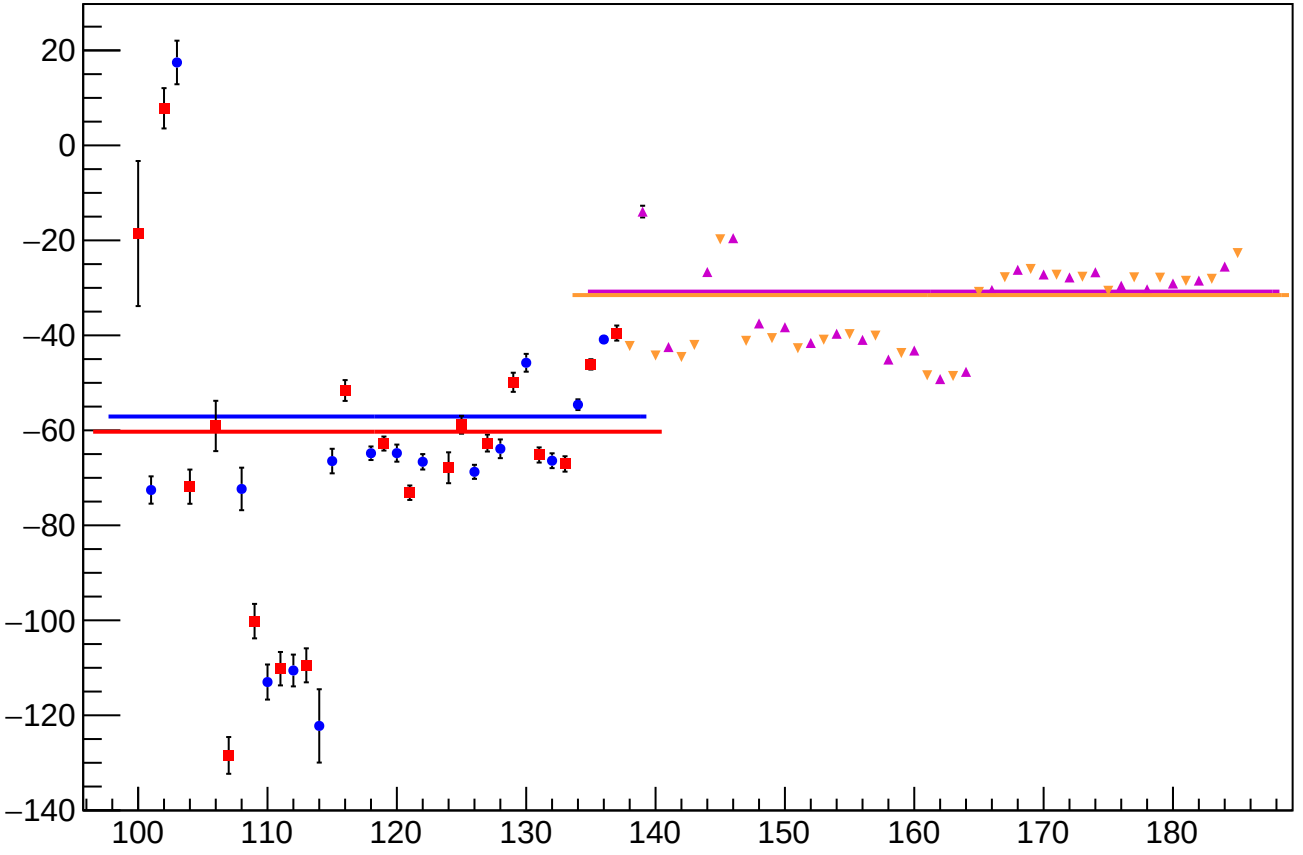
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -37.816+/-0.090 χ^2/NDF: 26128.8/40

All: -37.590+/-0.065 χ^2/NDF: 49138.4/82

- 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: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

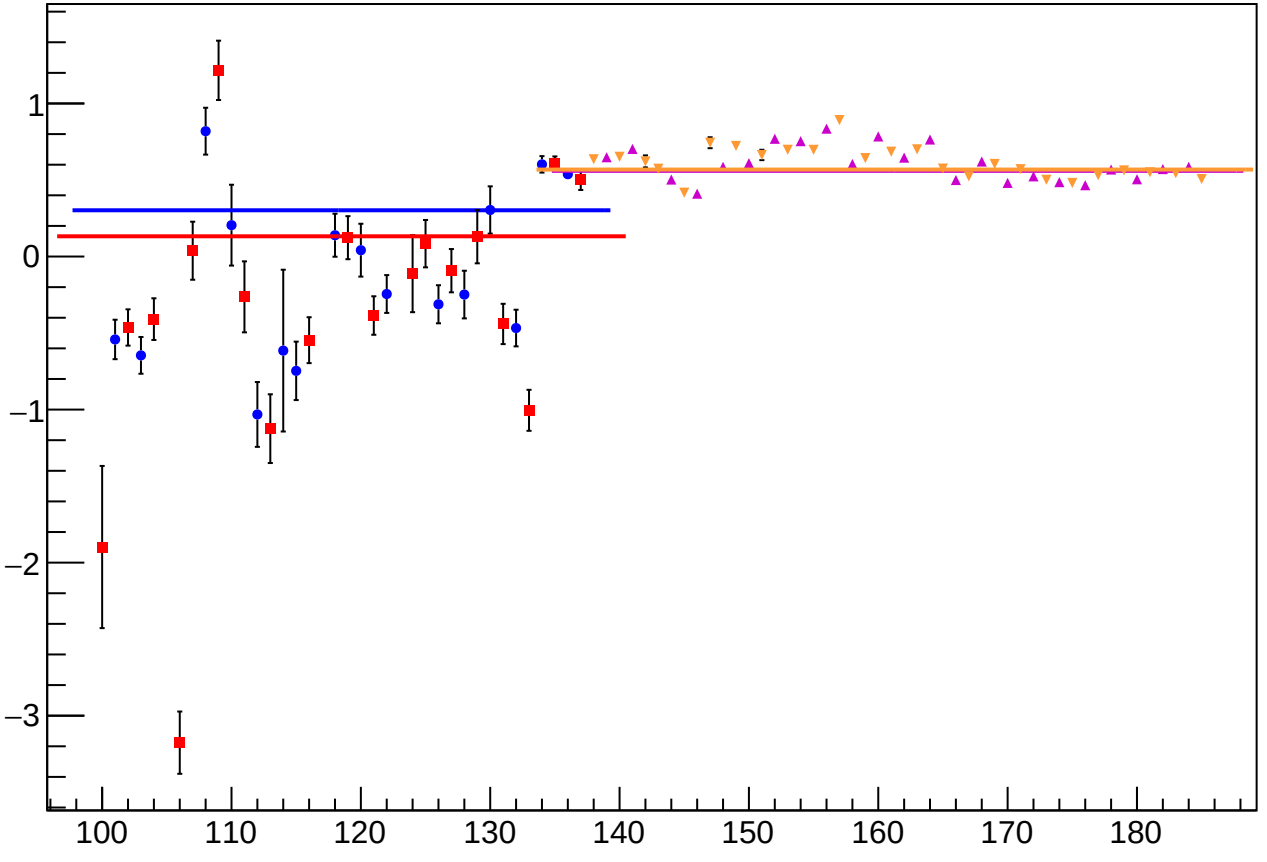
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.452+/-0.081 χ^2/NDF: 13460.2/40

All: -32.088+/-0.058 χ^2/NDF: 26453.7/82

- 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: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

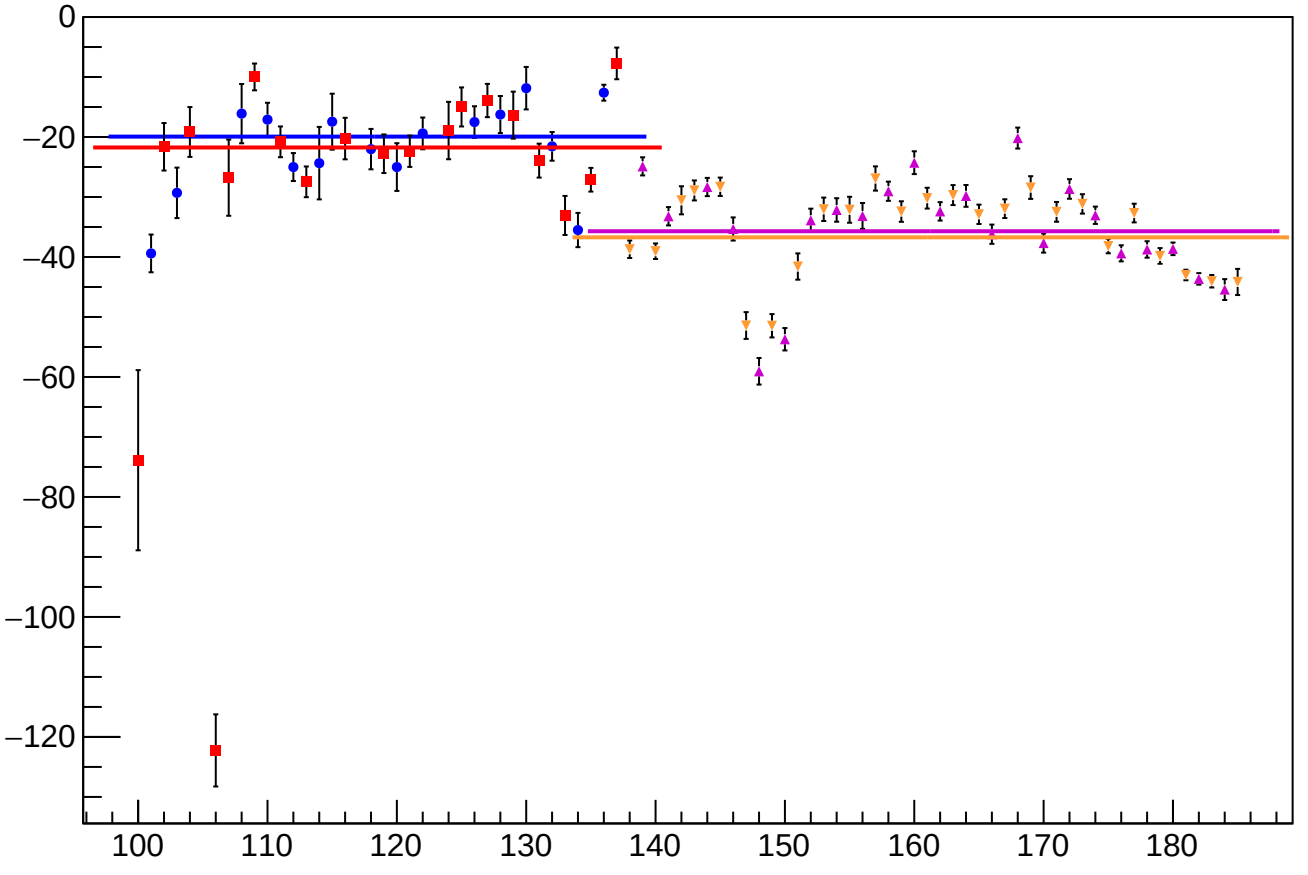
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.562+/-0.004 χ^2/NDF: 1060.4/40

All: 0.557+/-0.003 χ^2/NDF: 2663.5/82

- 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: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

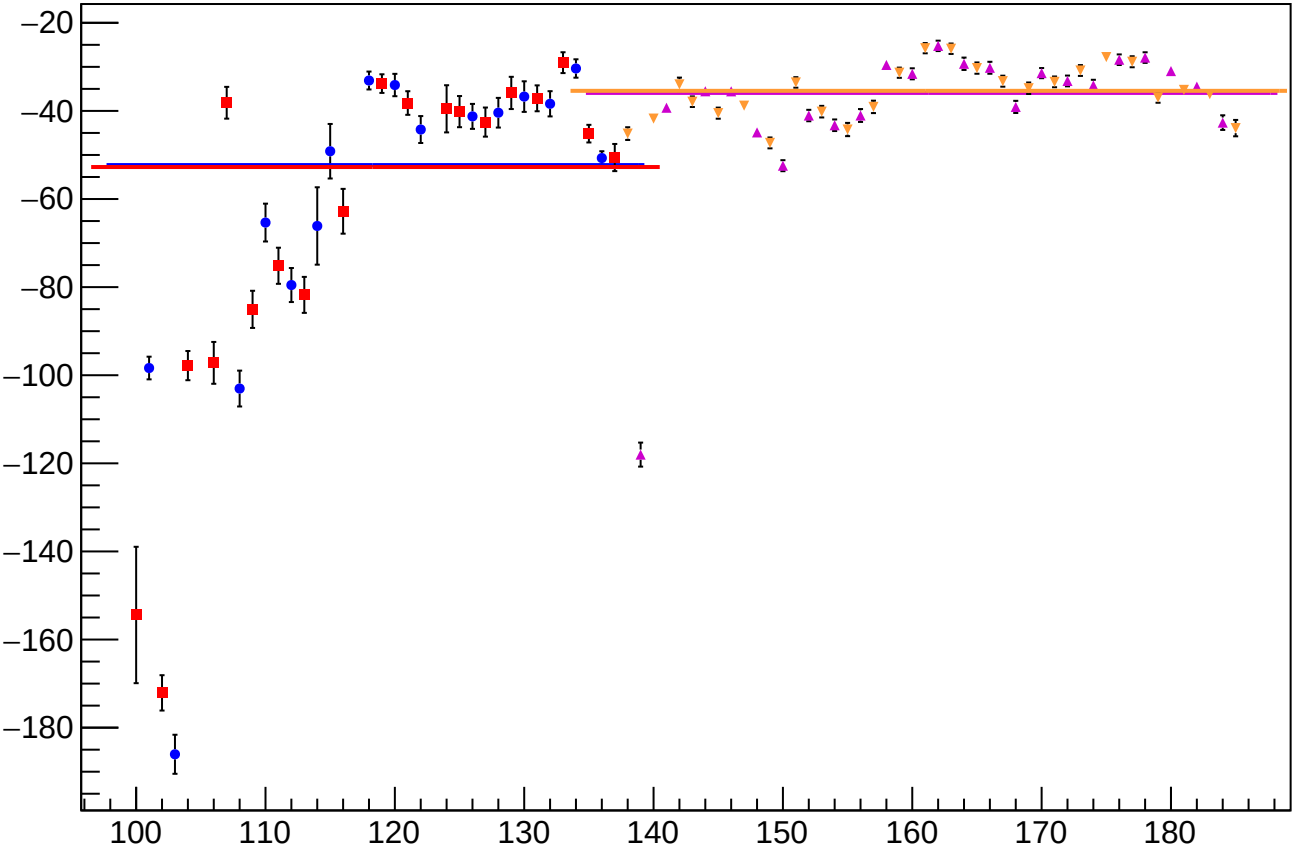
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.934+/-0.283 χ^2/NDF: 1028.2/40

All: -33.644+/-0.204 χ^2/NDF: 2314.9/82

- 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: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

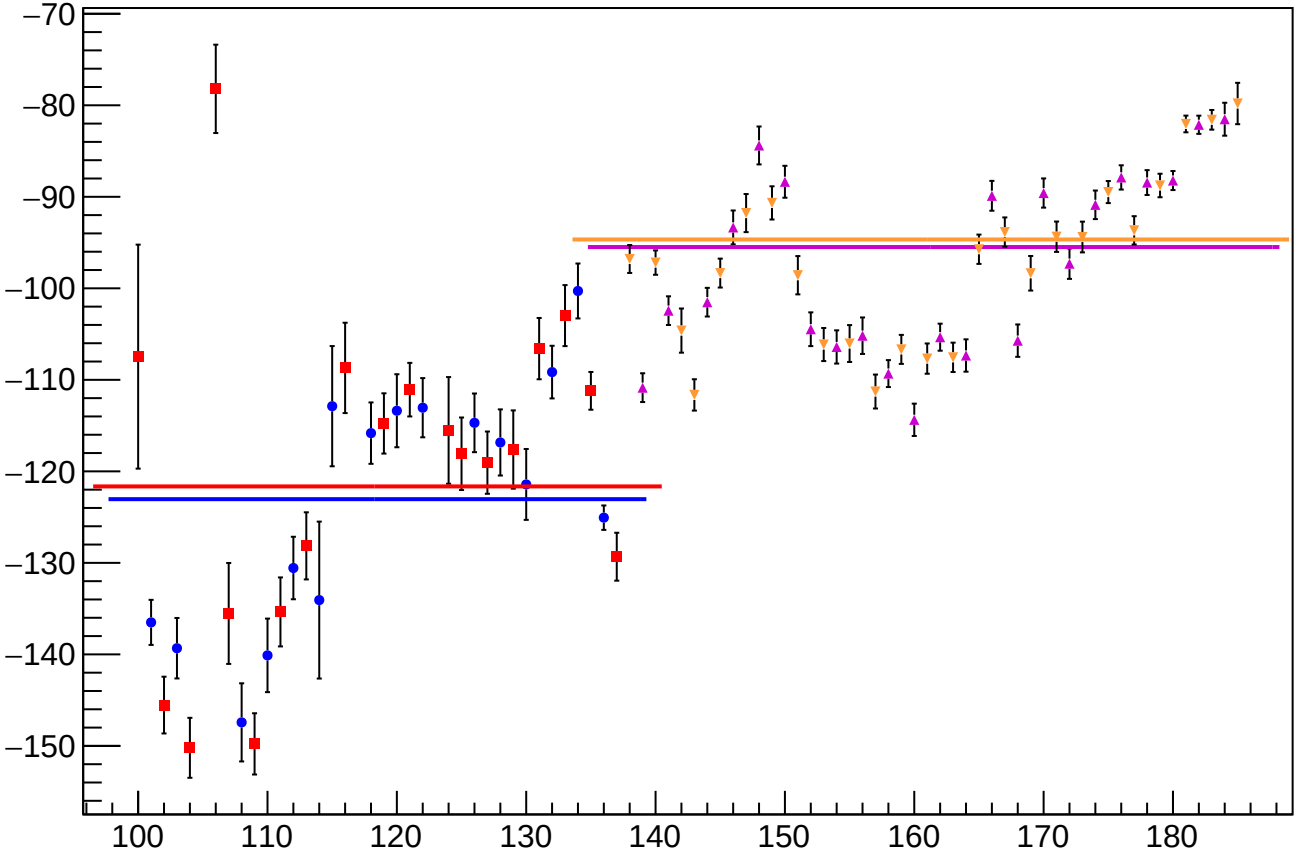
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.243+/-0.231 χ^2/NDF: 2822.0/40

All: -37.450+/-0.167 χ^2/NDF: 6481.9/82

- 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: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

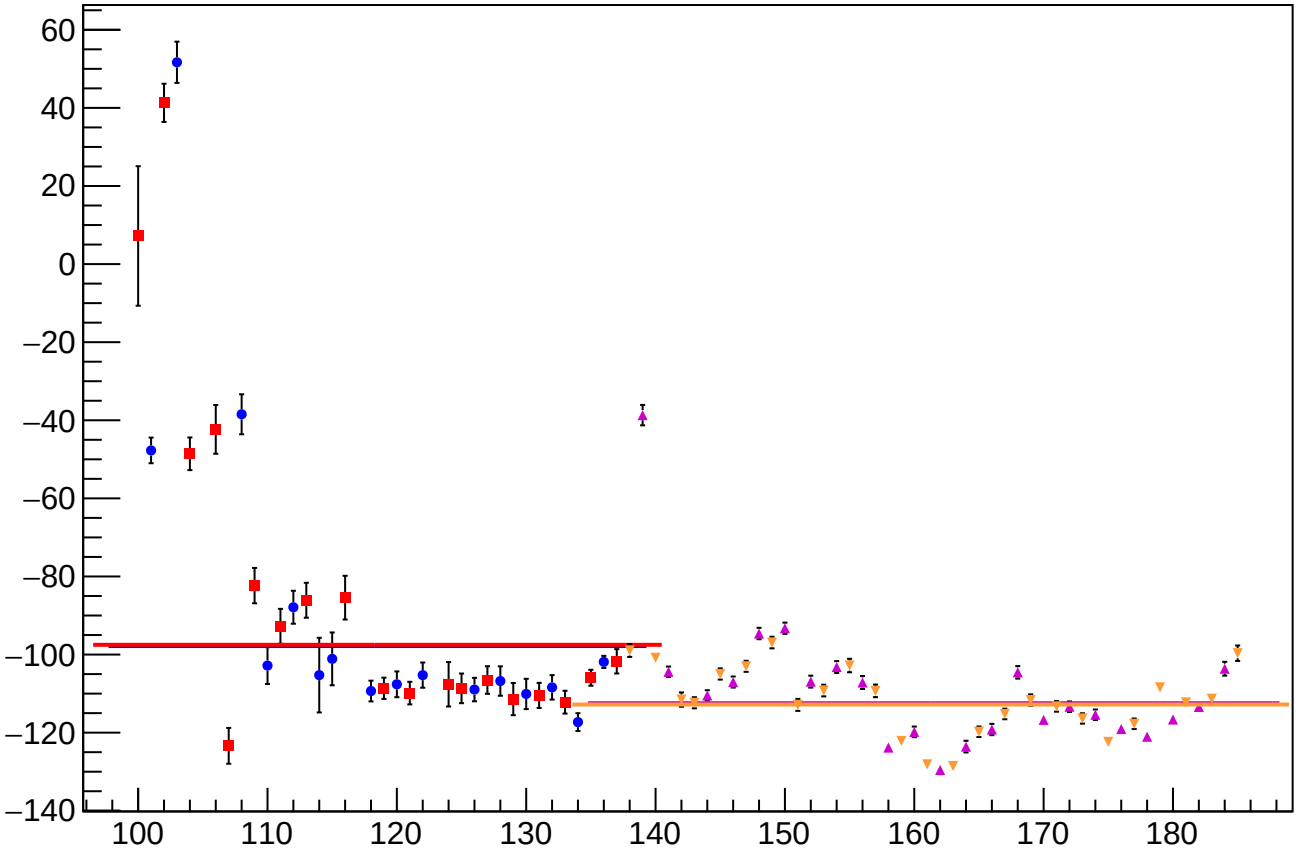
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -98.799+/-0.286 χ^2/NDF: 2349.7/40

All: -98.949+/-0.207 χ^2/NDF: 4663.1/82

- 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: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

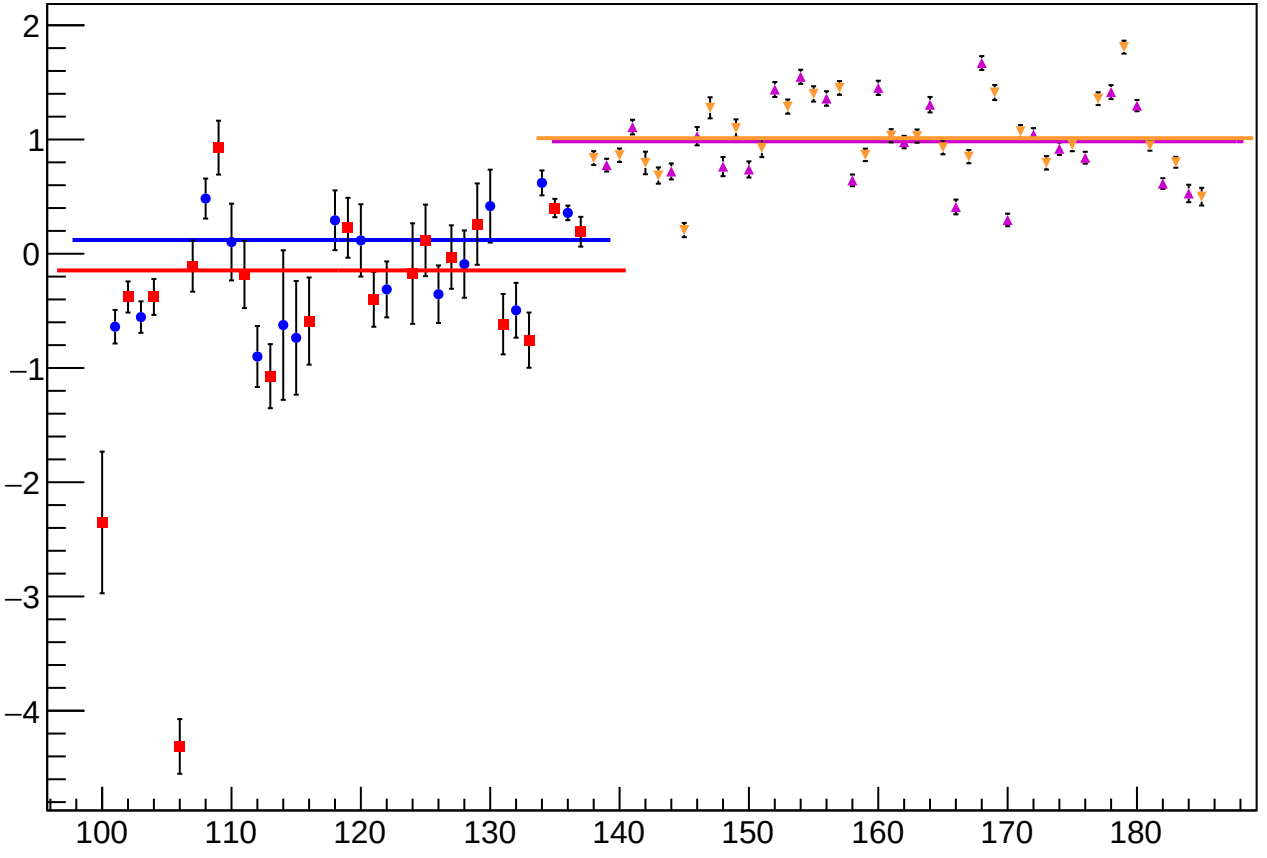
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -111.196+/-0.259 χ^2/NDF: 2586.0/40

All: -111.069+/-0.187 χ^2/NDF: 5894.4/82

- 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: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

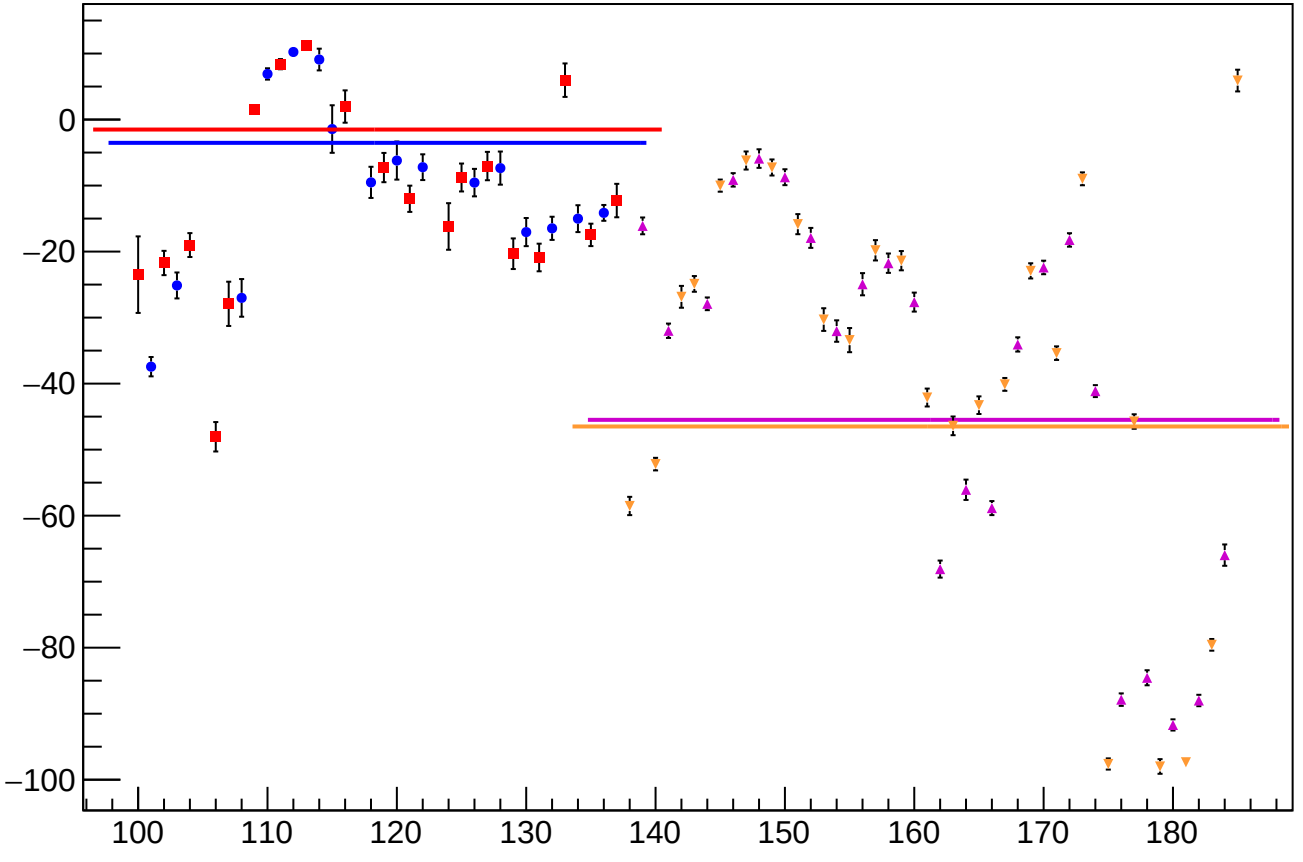
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

\+ sign 0.939+/-0.012 χ^2/NDF: 1244.9/40

All: 0.921+/-0.008 χ^2/NDF: 3158.9/82

\- 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: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

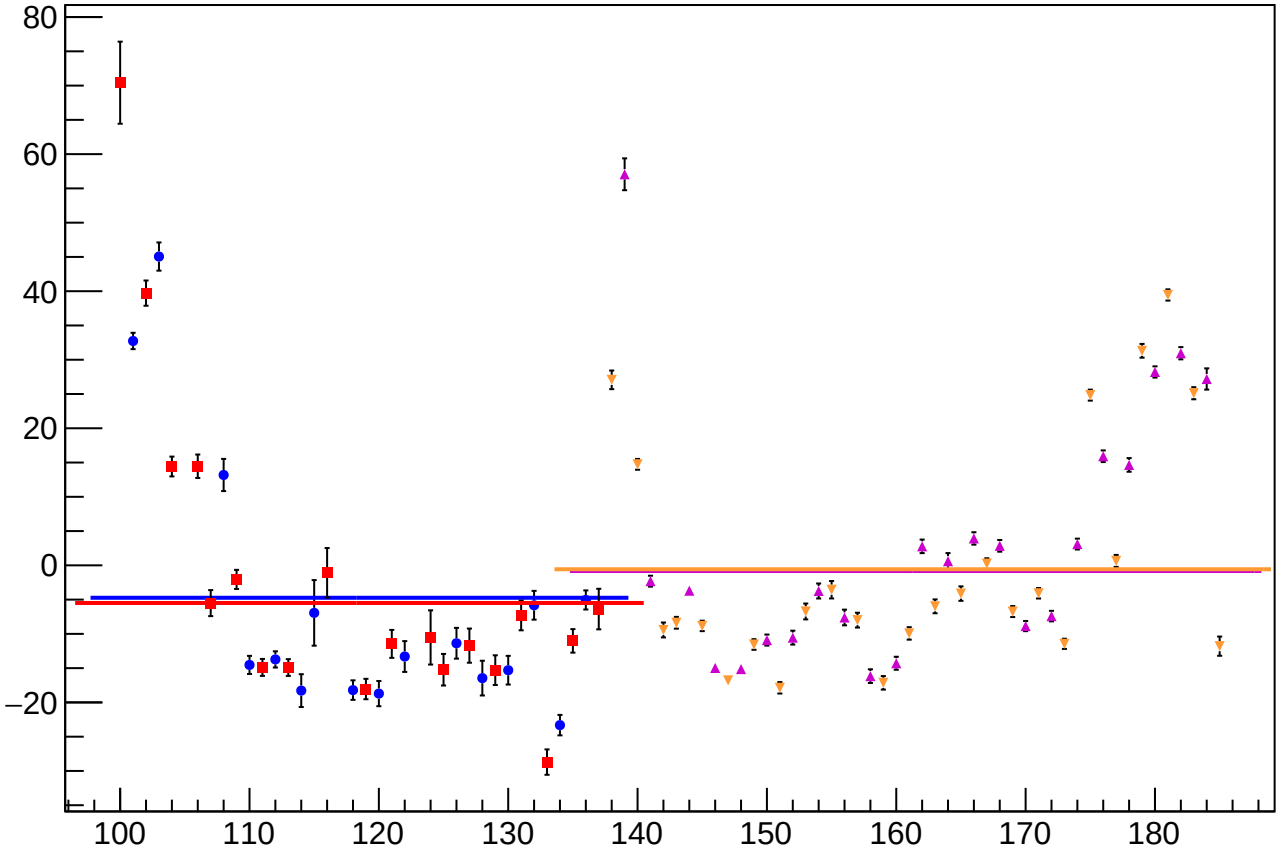
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.822+/-0.196 χ^2/NDF: 31048.1/40

All: -32.874+/-0.138 χ^2/NDF: 59644.1/82

- 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: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

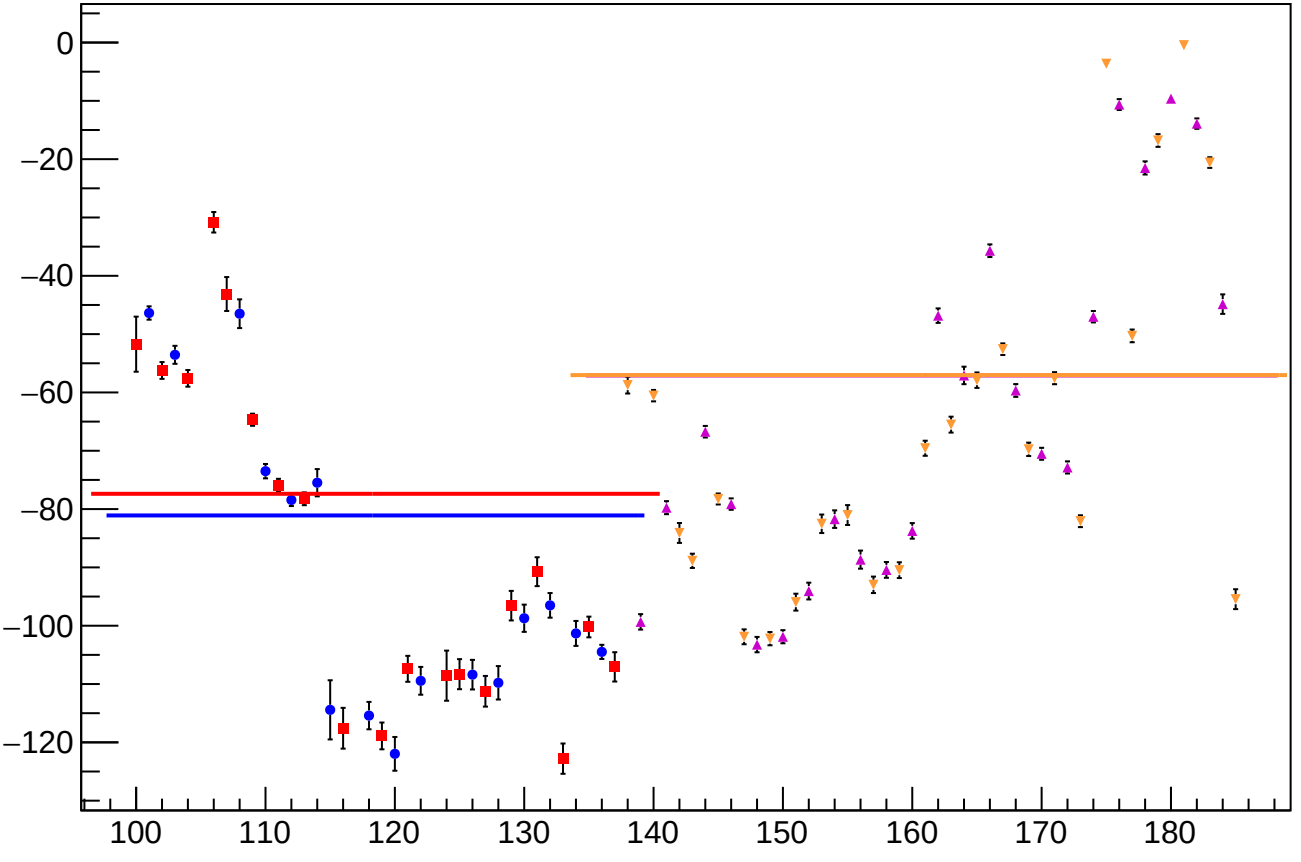
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.174+/-0.164 χ^2/NDF: 10679.1/40

All: -1.365+/-0.117 χ^2/NDF: 18409.7/82

- 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: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

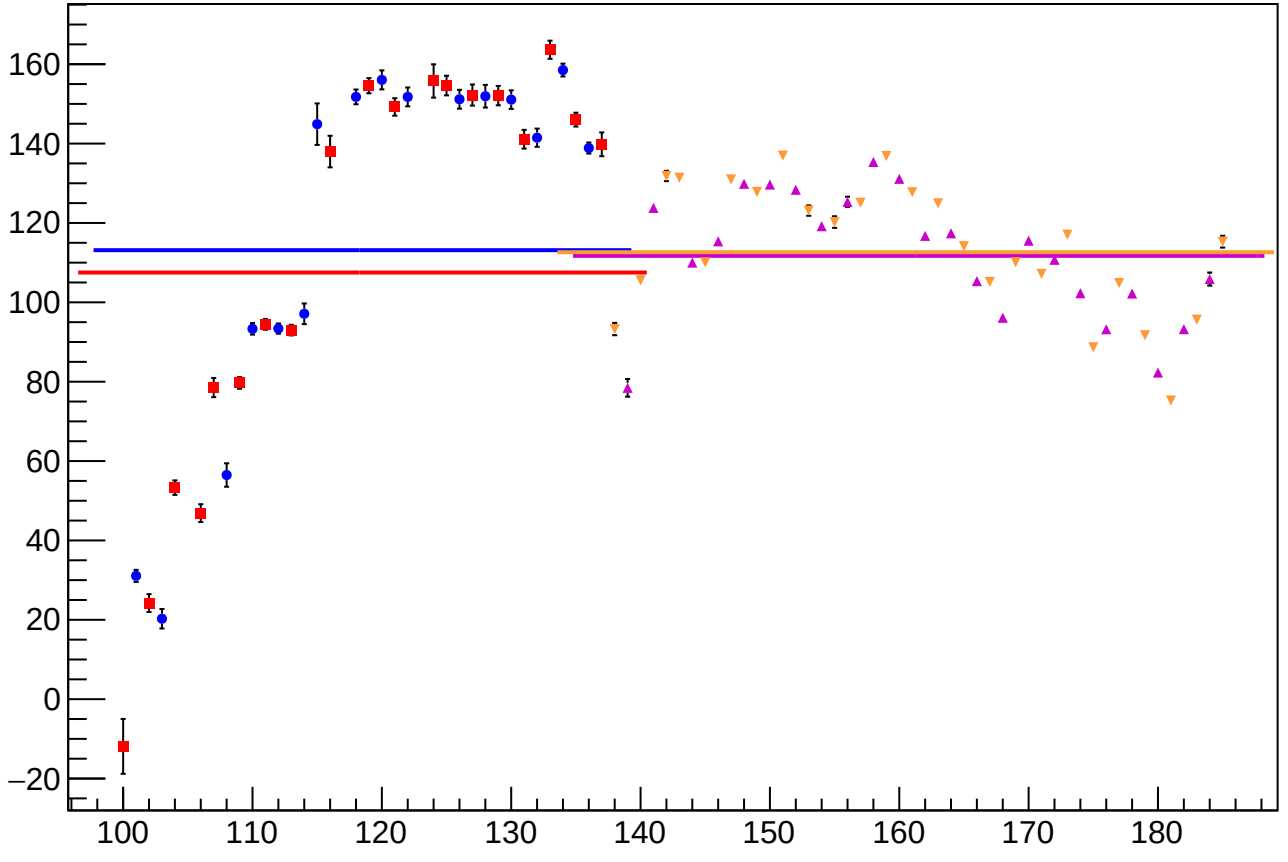
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.218+/-0.204 χ^2/NDF: 25542.7/40

All: -62.127+/-0.145 χ^2/NDF: 47632.3/82

- 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: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

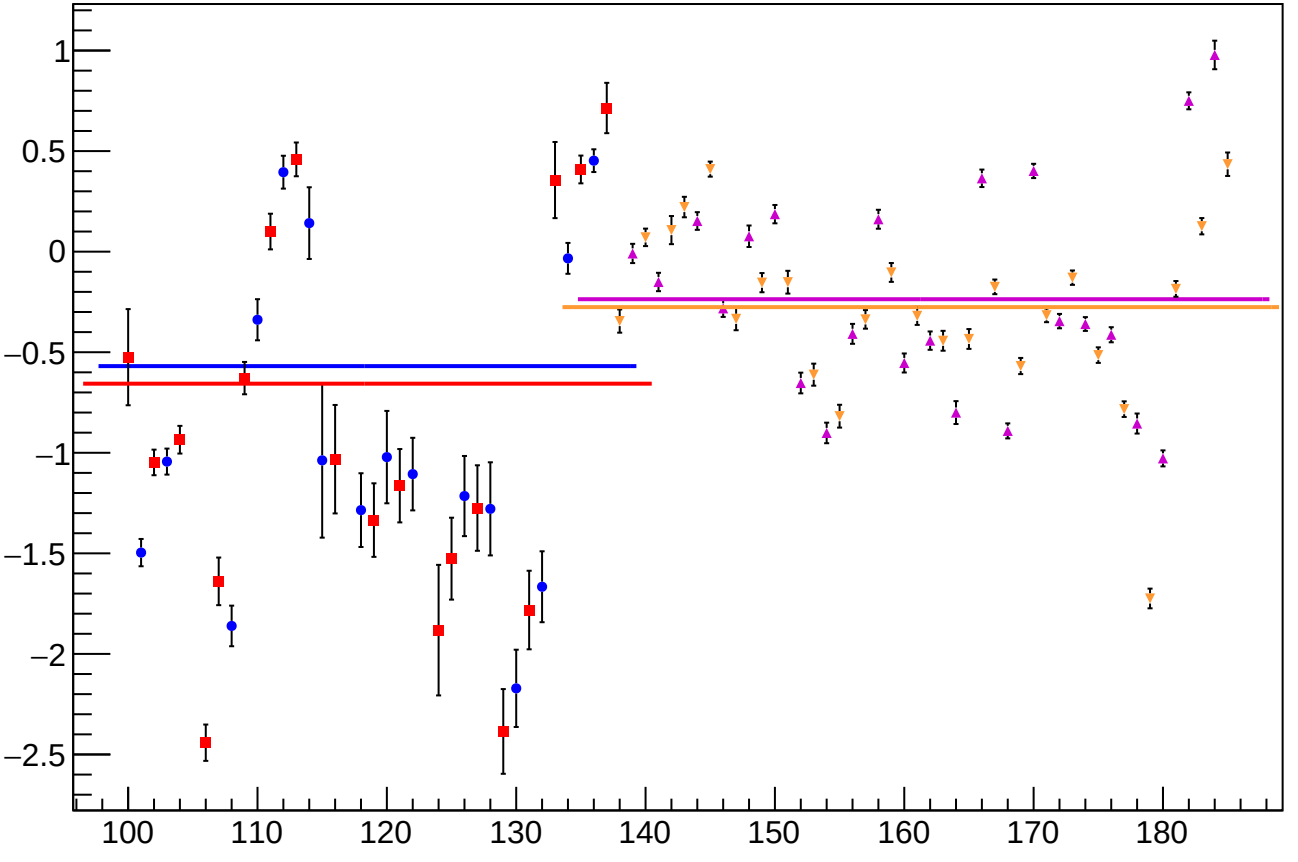
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.699+/-0.185 χ^2/NDF: 14913.0/40

All: 111.900+/-0.132 χ^2/NDF: 27456.9/82

- 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: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

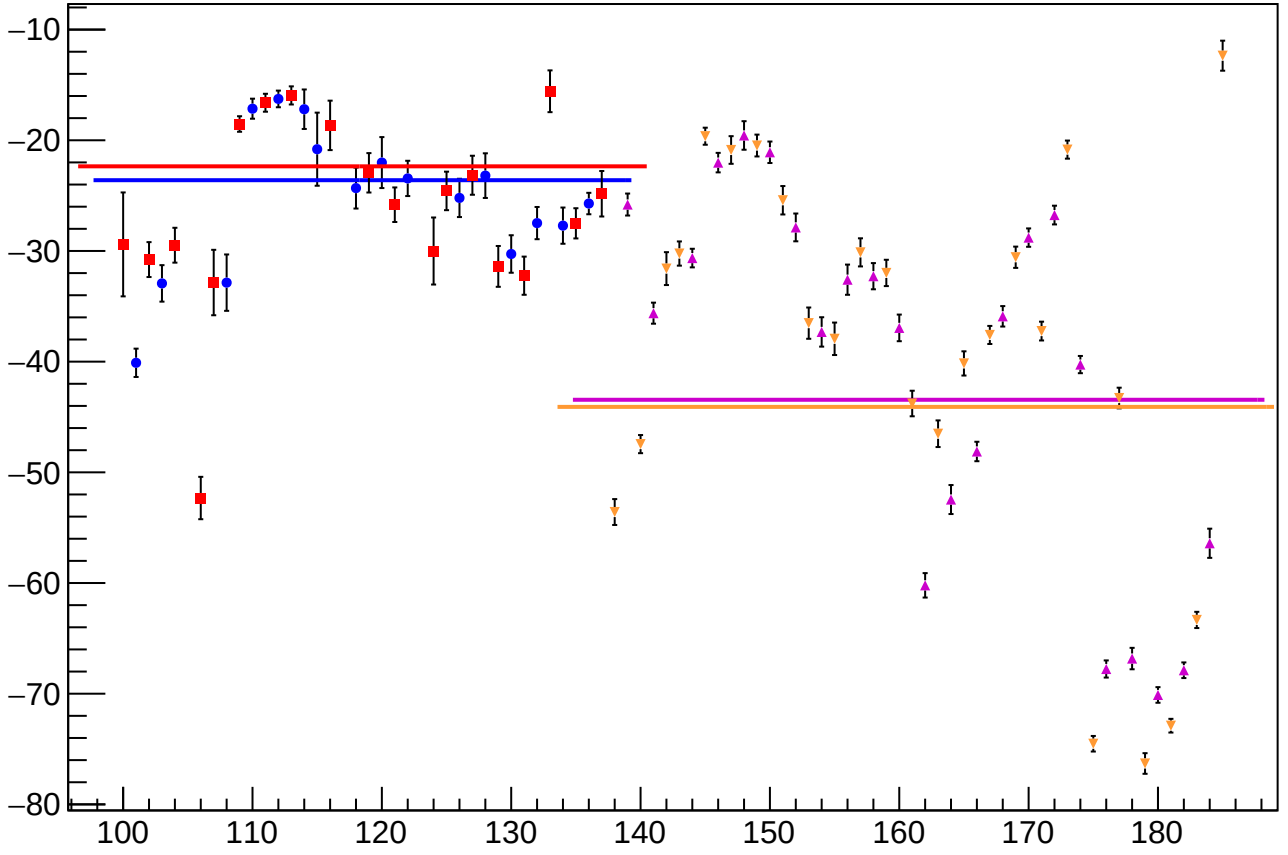
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.308+/-0.008 χ^2/NDF: 3335.1/40

All: -0.297+/-0.006 χ^2/NDF: 7859.9/82

- 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: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

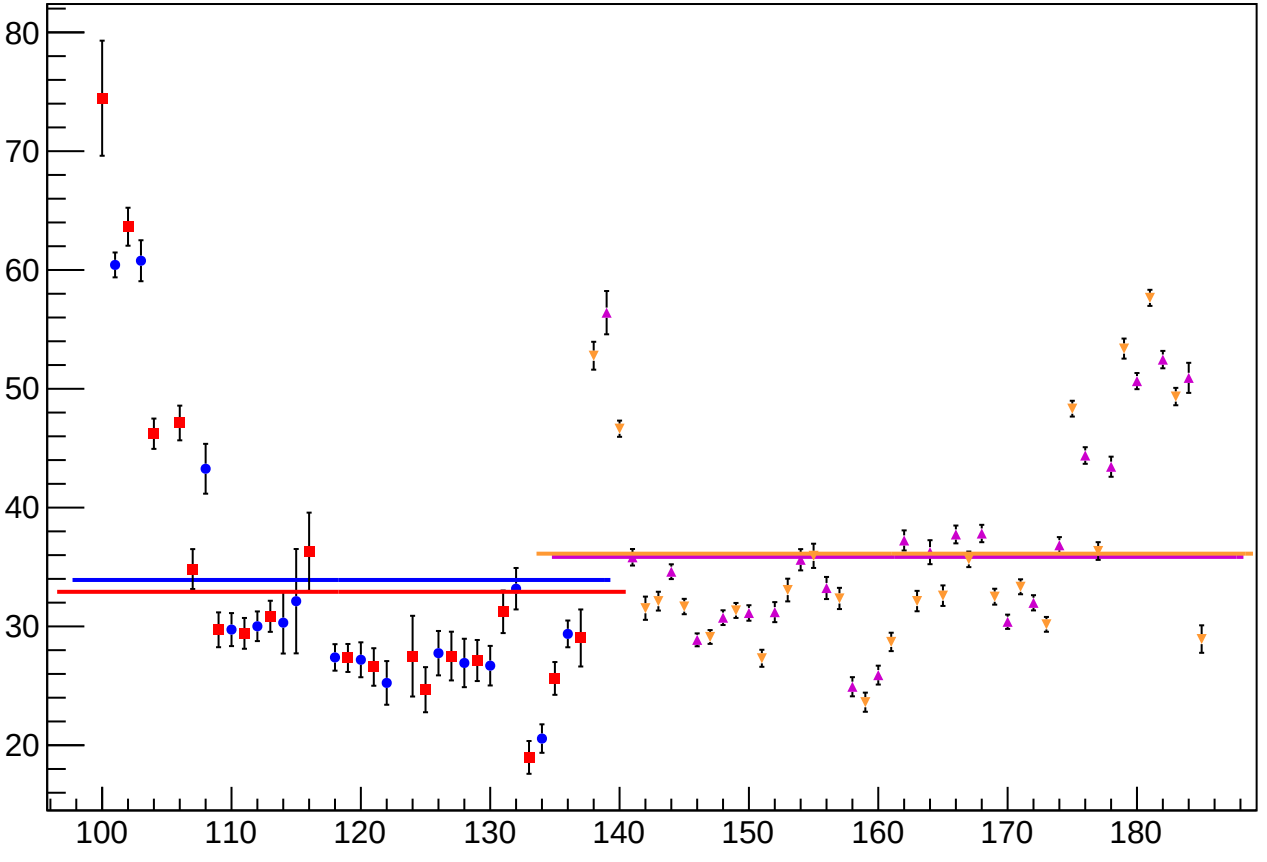
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.275+/-0.169 χ^2/NDF: 13391.9/40

All: -38.449+/-0.119 χ^2/NDF: 24922.1/82

- 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: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

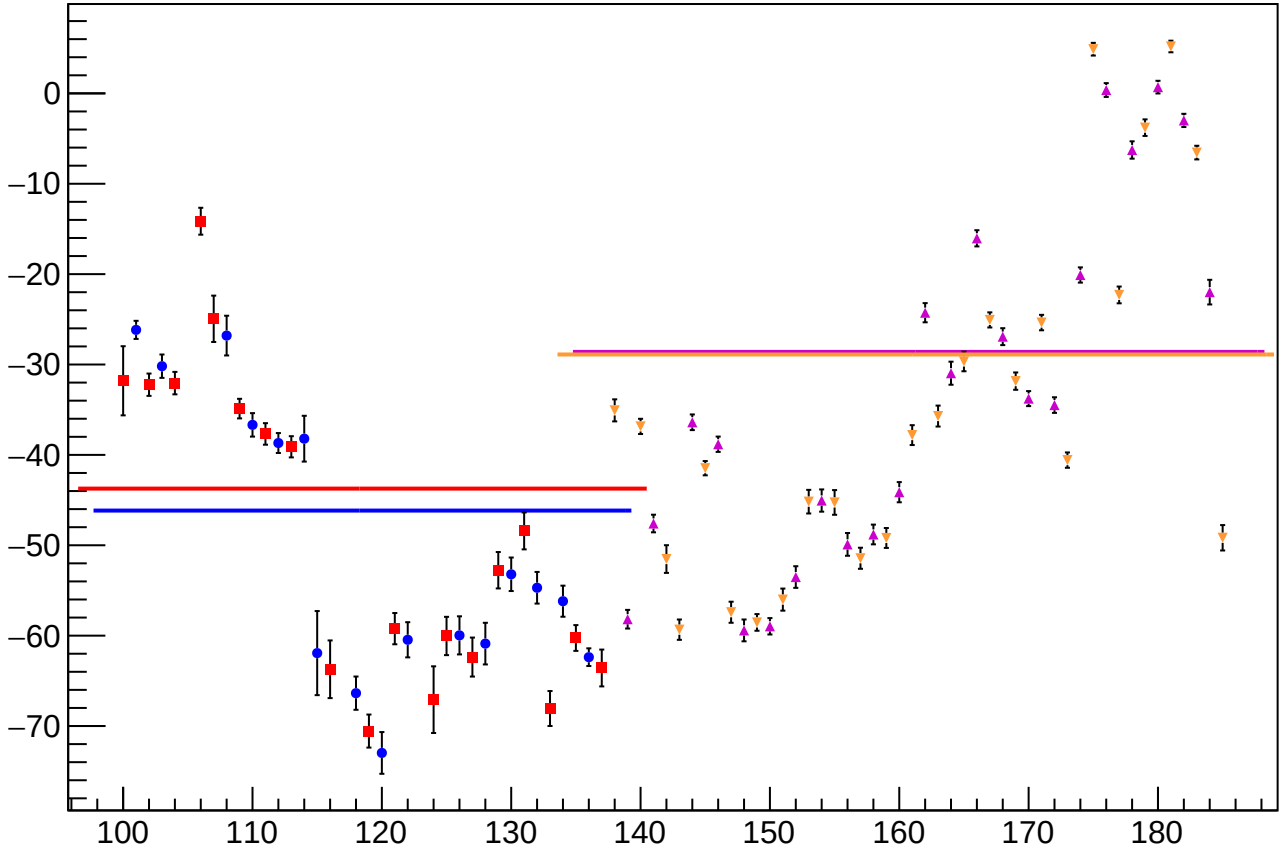
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 35.818+/-0.139 χ^2/NDF: 4773.0/40

All: 35.624+/-0.100 χ^2/NDF: 7998.6/82

- 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: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

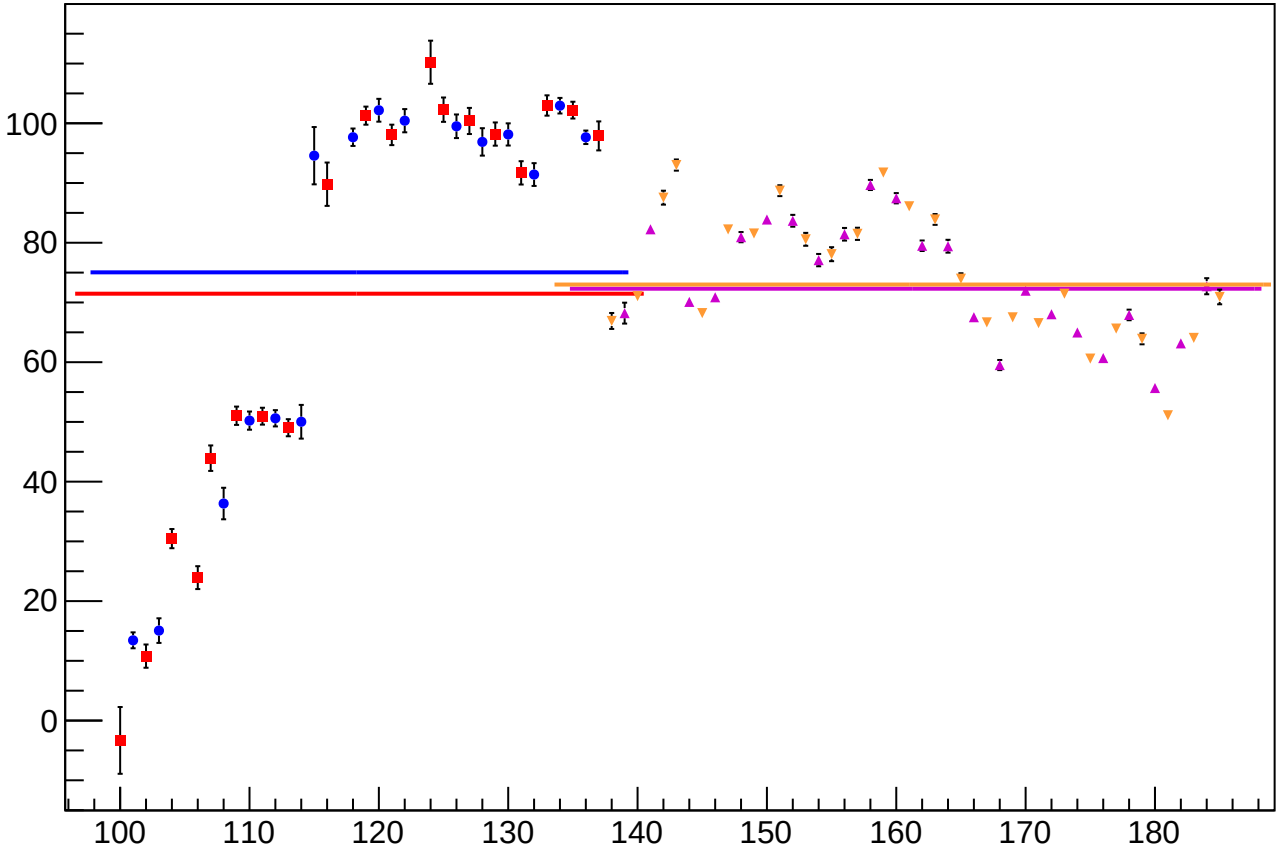
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.284+/-0.173 χ^2/NDF: 14865.0/40

All: -32.071+/-0.123 χ^2/NDF: 27801.6/82

- 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: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

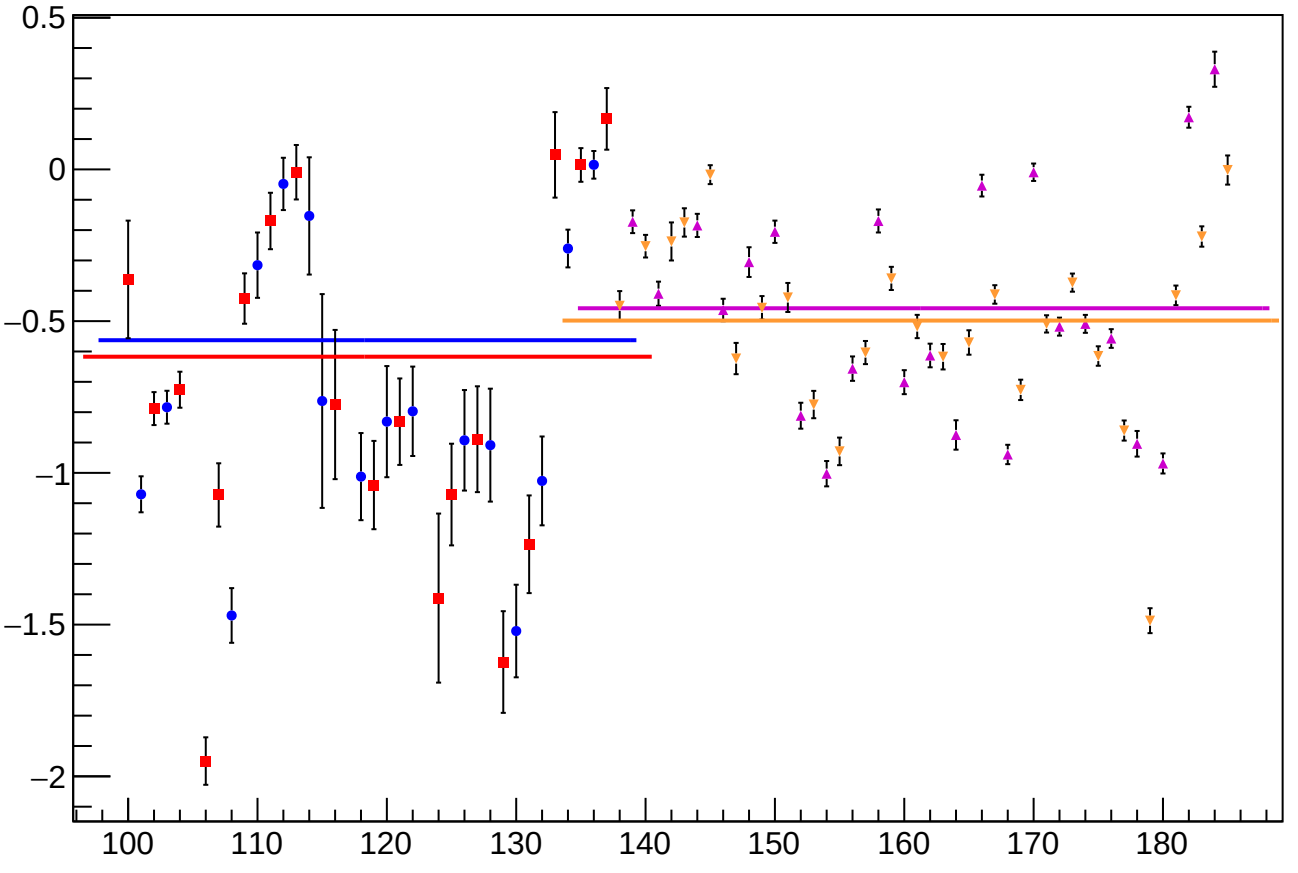
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.276+/-0.157 χ^2/NDF: 9900.4/40

All: 72.743+/-0.112 χ^2/NDF: 18468.2/82

- 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: -0.498+/-0.008 χ^2/NDF:1482.9/24

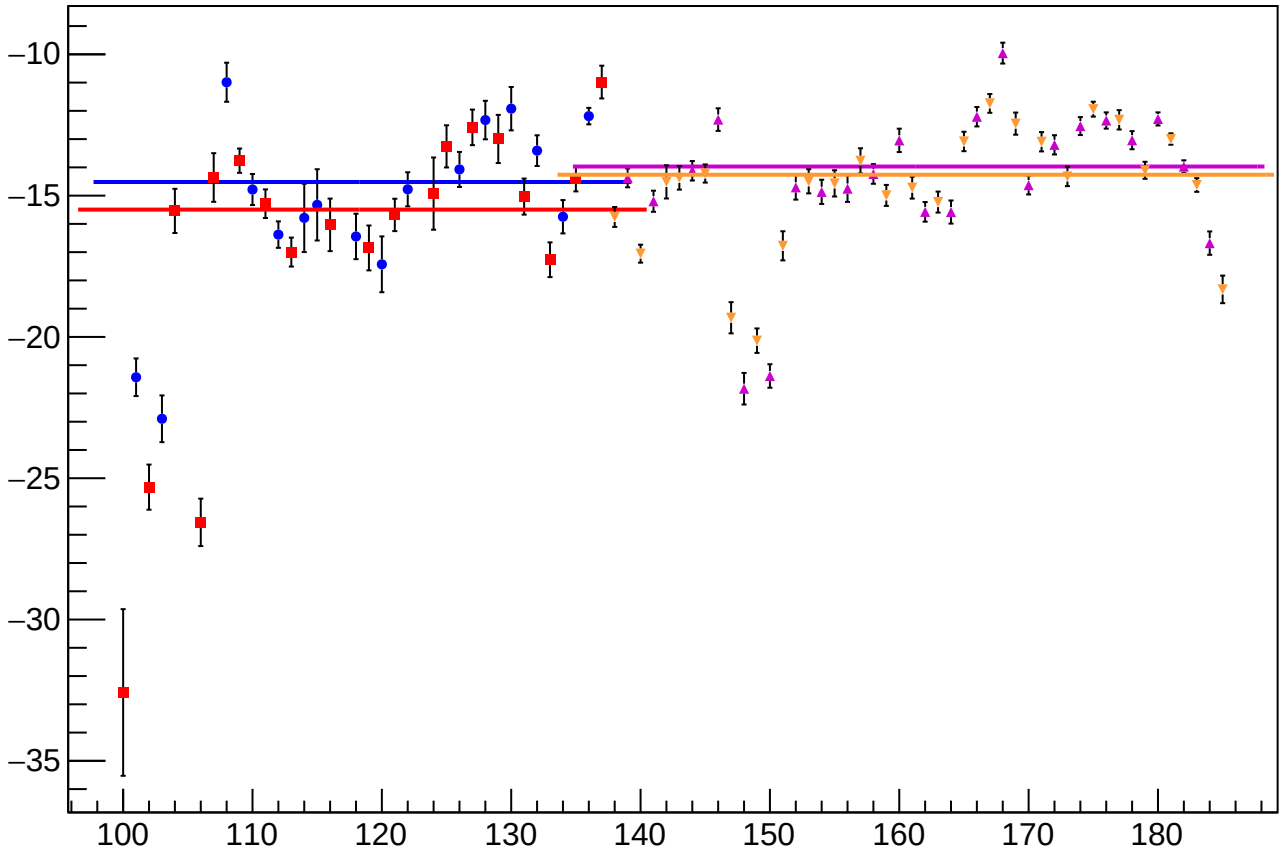
Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.505+/-0.007 χ^2/NDF: 1983.5/40

All: -0.490+/-0.005 χ^2/NDF: 4831.7/82

- 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: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

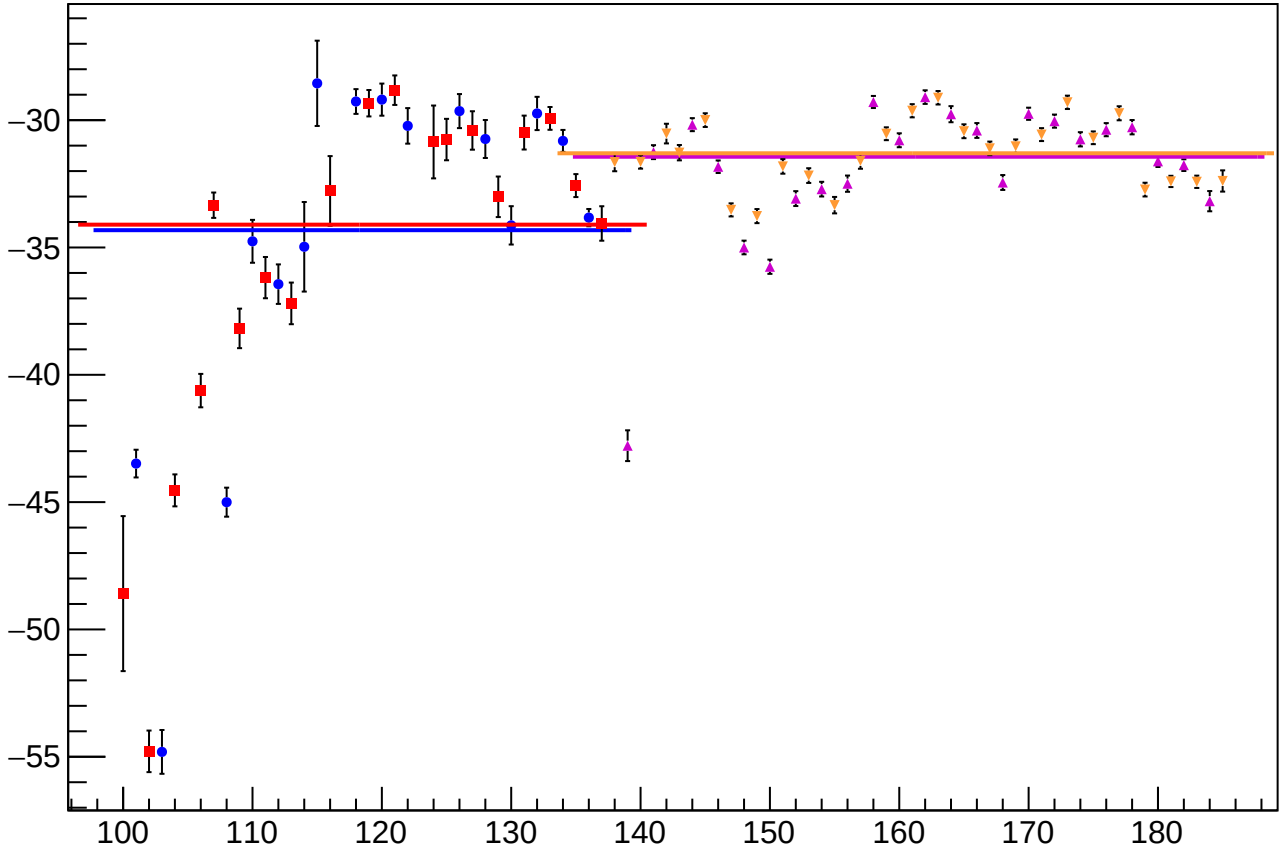
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.307+/-0.063 χ^2/NDF: 1089.8/40

All: -14.281+/-0.045 χ^2/NDF: 2585.7/82

- sign -14.255+/-0.065 χ^2/NDF: 1495.5/41

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

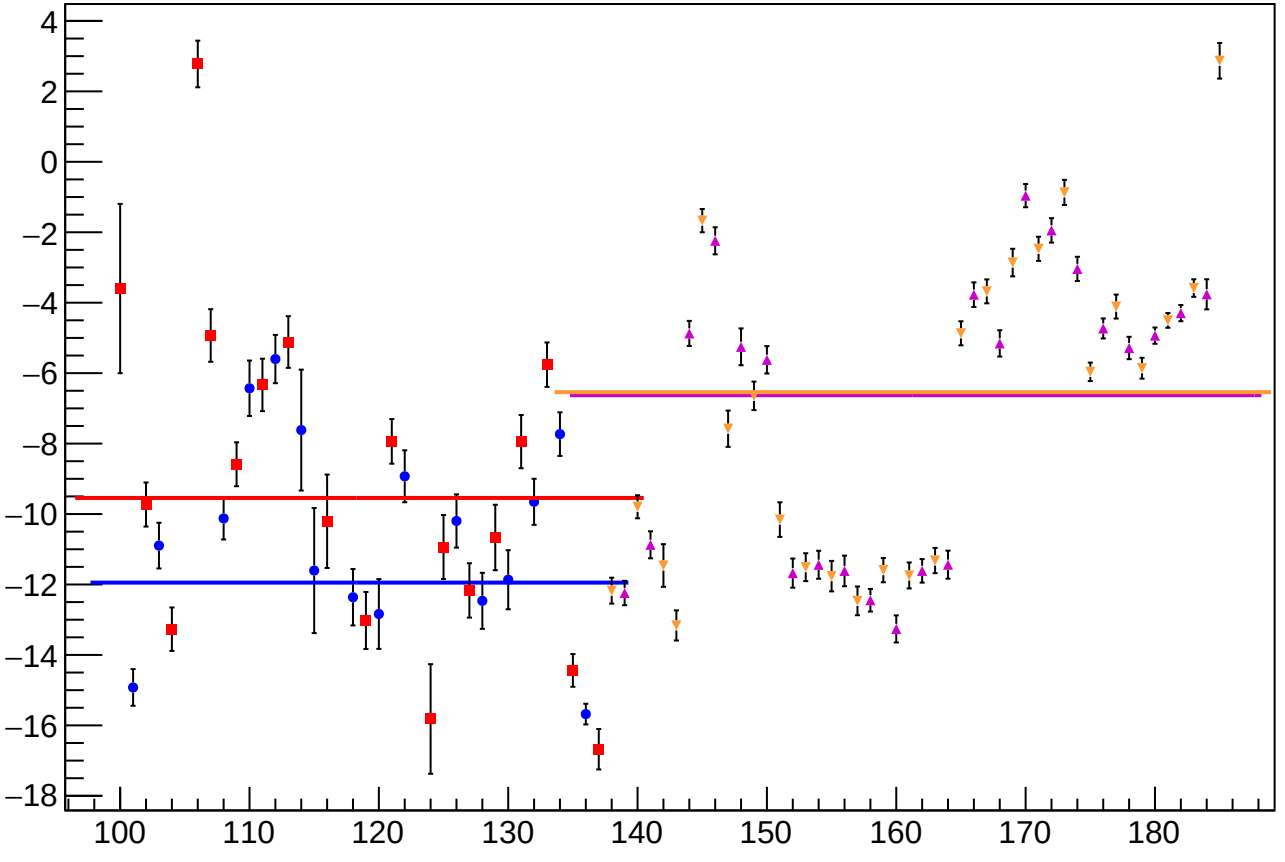
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.648+/-0.052 χ^2/NDF: 2517.3/40

All: -31.702+/-0.037 χ^2/NDF: 5432.4/82

- 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: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

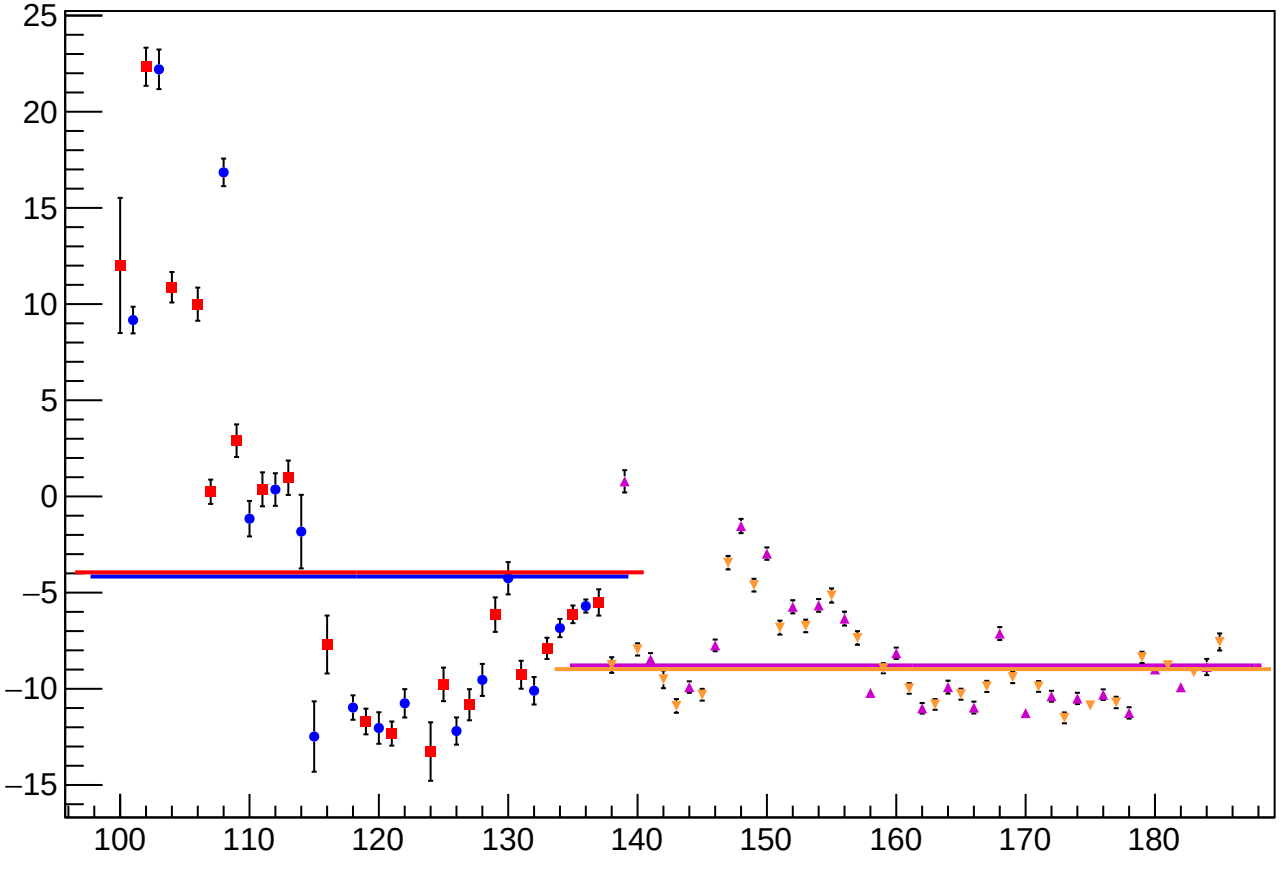
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.397+/-0.064 χ^2/NDF: 4631.6/40

All: -7.245+/-0.046 χ^2/NDF: 8661.4/82

- 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: -8.977+/-0.061 χ^2/NDF:972.0/24

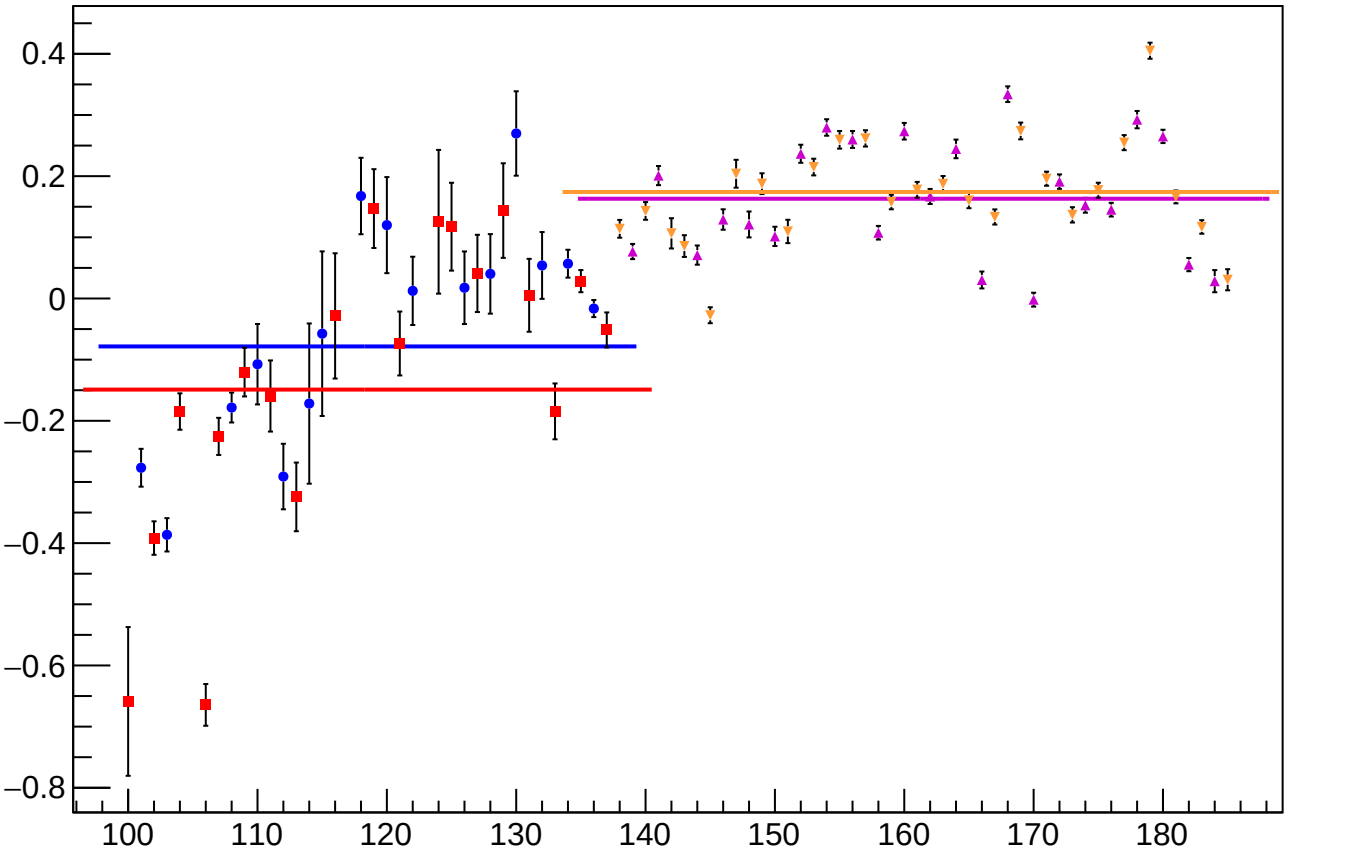
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.432+/-0.058 χ^2/NDF: 4192.3/40

All: -8.334+/-0.042 χ^2/NDF: 8662.2/82

- 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: 0.174+/-0.003 χ^2/NDF:922.9/24

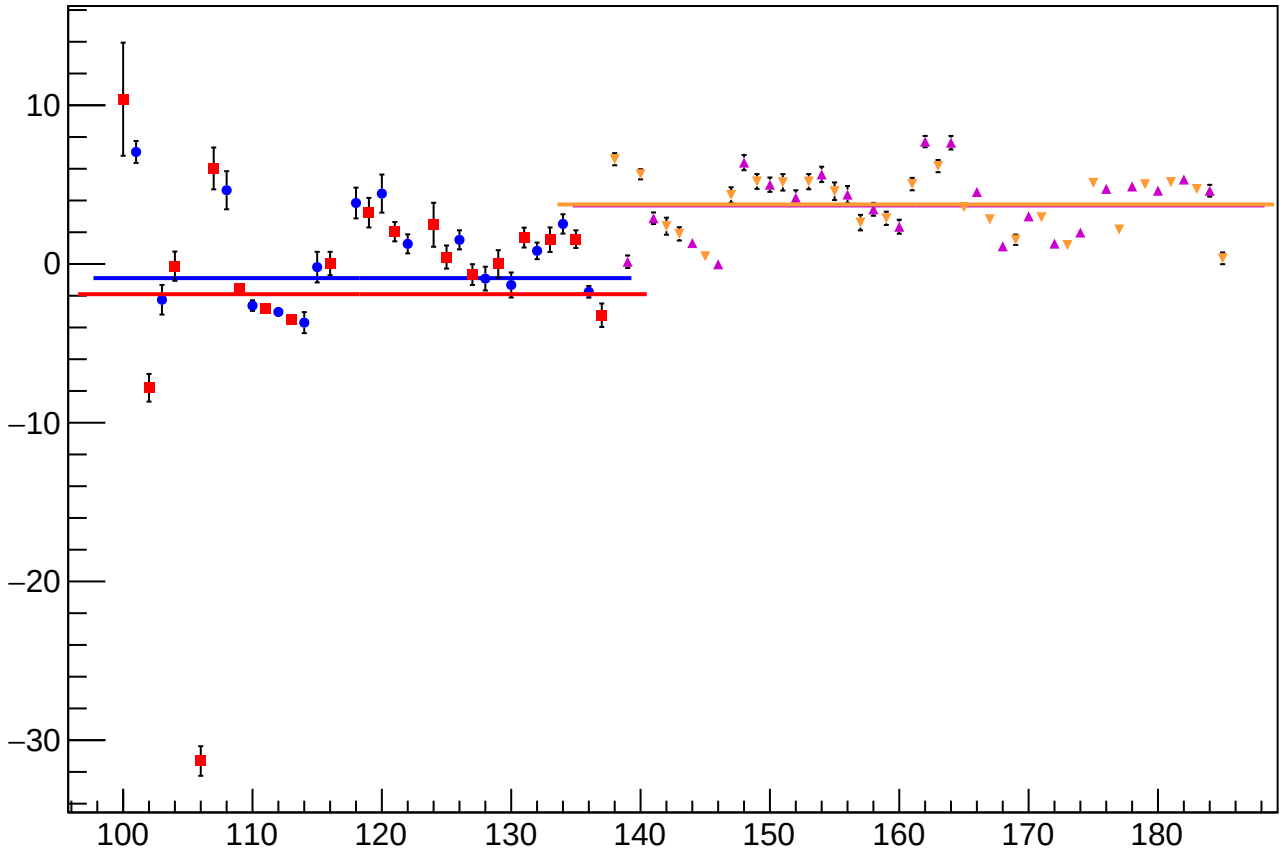
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.151+/-0.003 χ^2/NDF: 2030.5/40

All: 0.144+/-0.002 χ^2/NDF: 4847.4/82

- 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: 3.750+/-0.062 χ^2/NDF:809.8/24

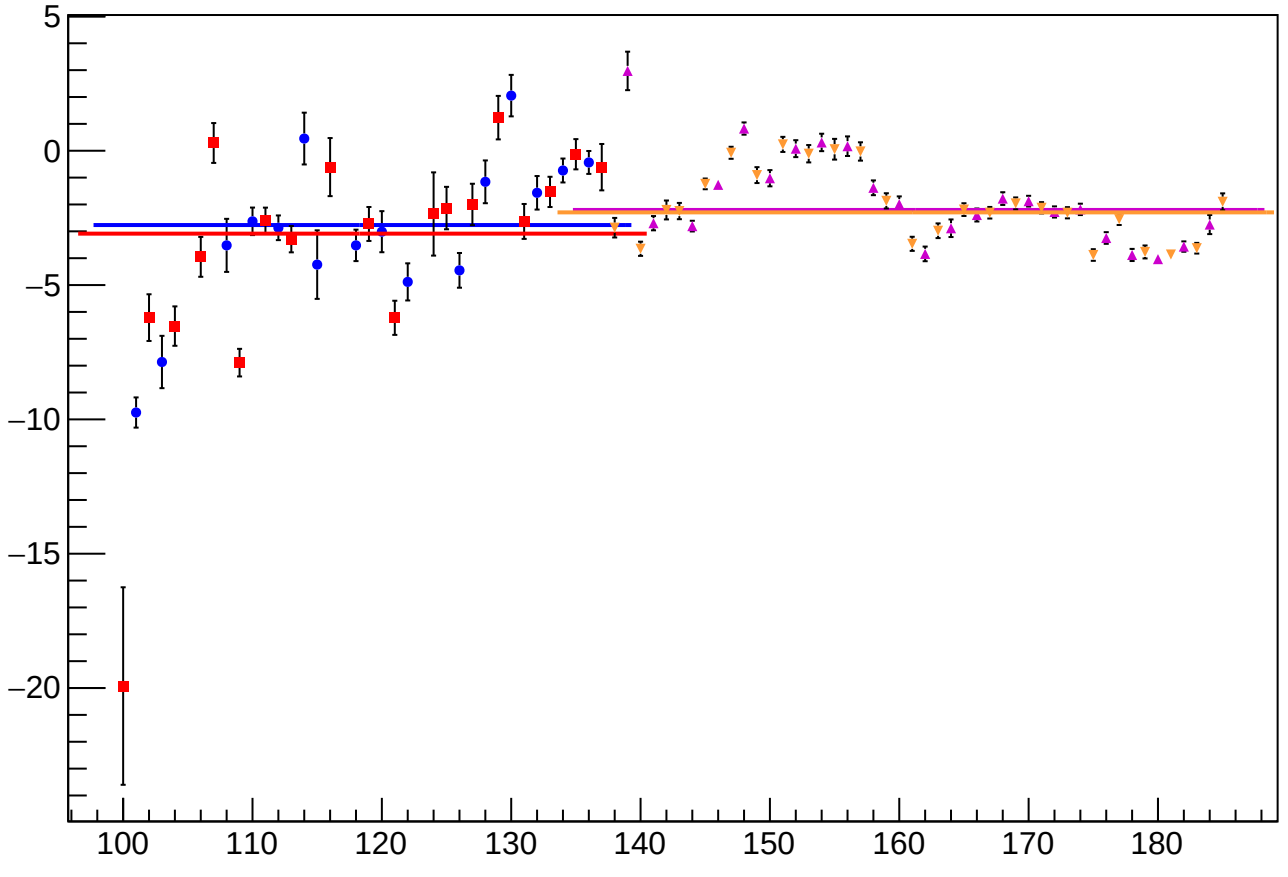
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.958+/-0.056 χ^2/NDF: 2146.7/40

All: 2.770+/-0.040 χ^2/NDF: 5974.5/82

- 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: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

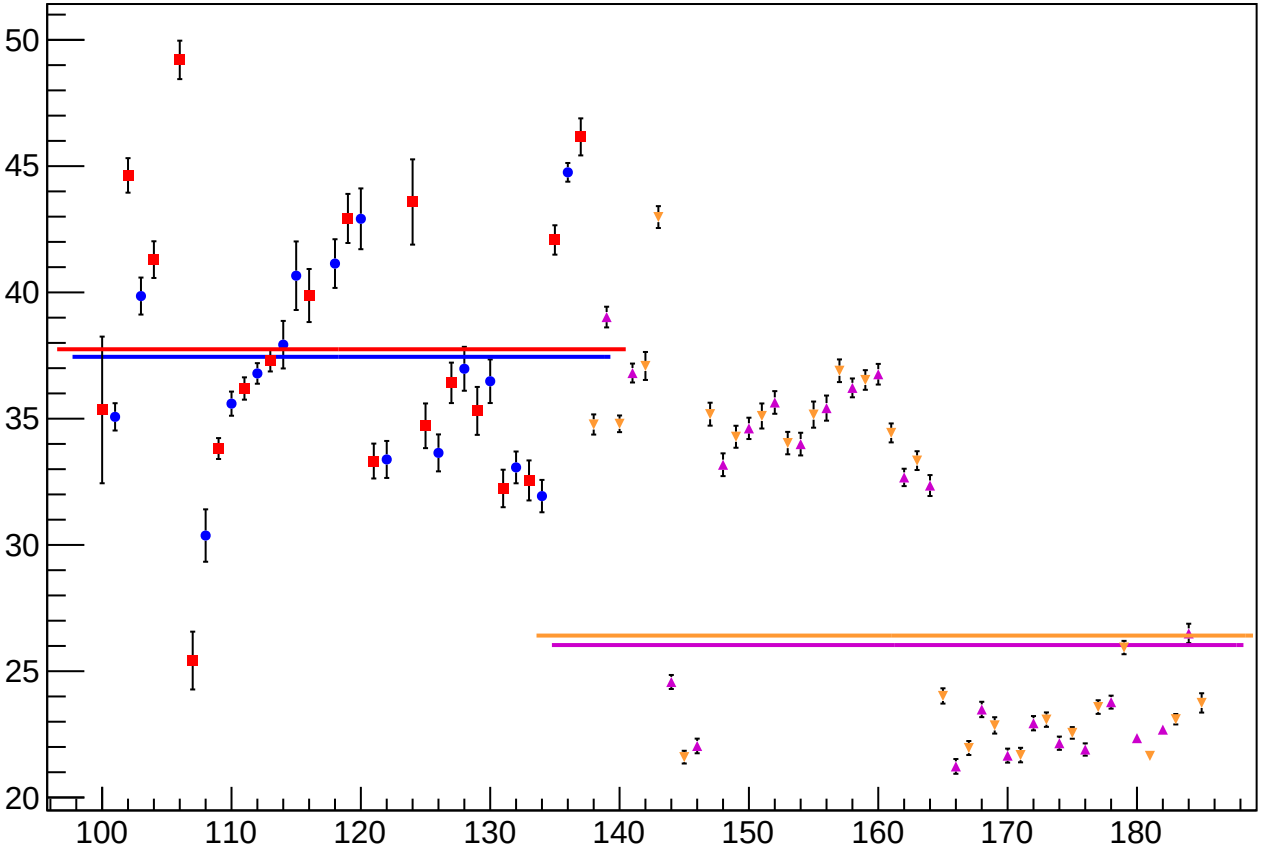
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.338+/-0.047 χ^2/NDF: 949.8/40

All: -2.313+/-0.034 χ^2/NDF: 1975.9/82

- 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: 26.411+/-0.062 χ^2/NDF:9222.2/24

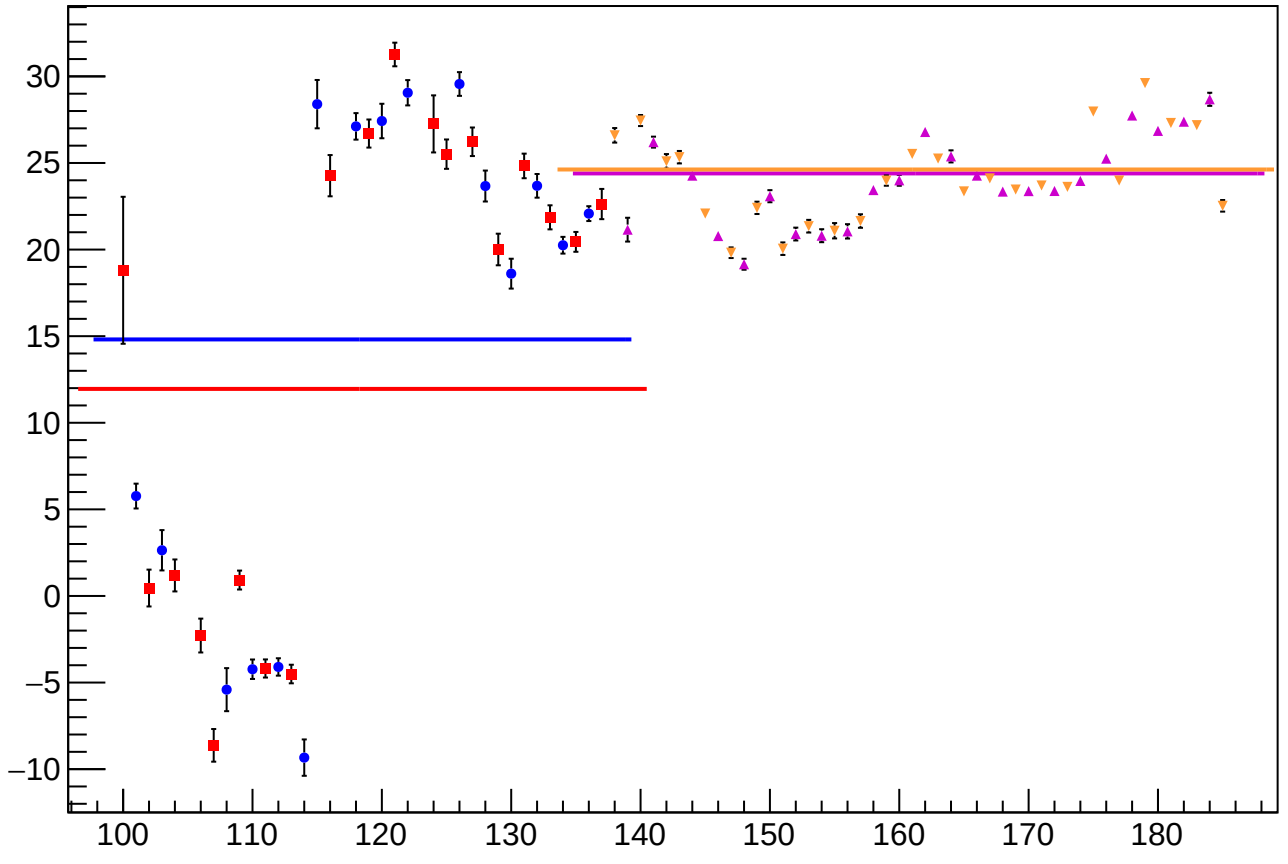
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.852+/-0.058 χ^2/NDF: 14029.8/40

All: 27.756+/-0.041 χ^2/NDF: 27493.8/82

- sign 27.656+/-0.059 χ^2/NDF: 13458.4/41



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

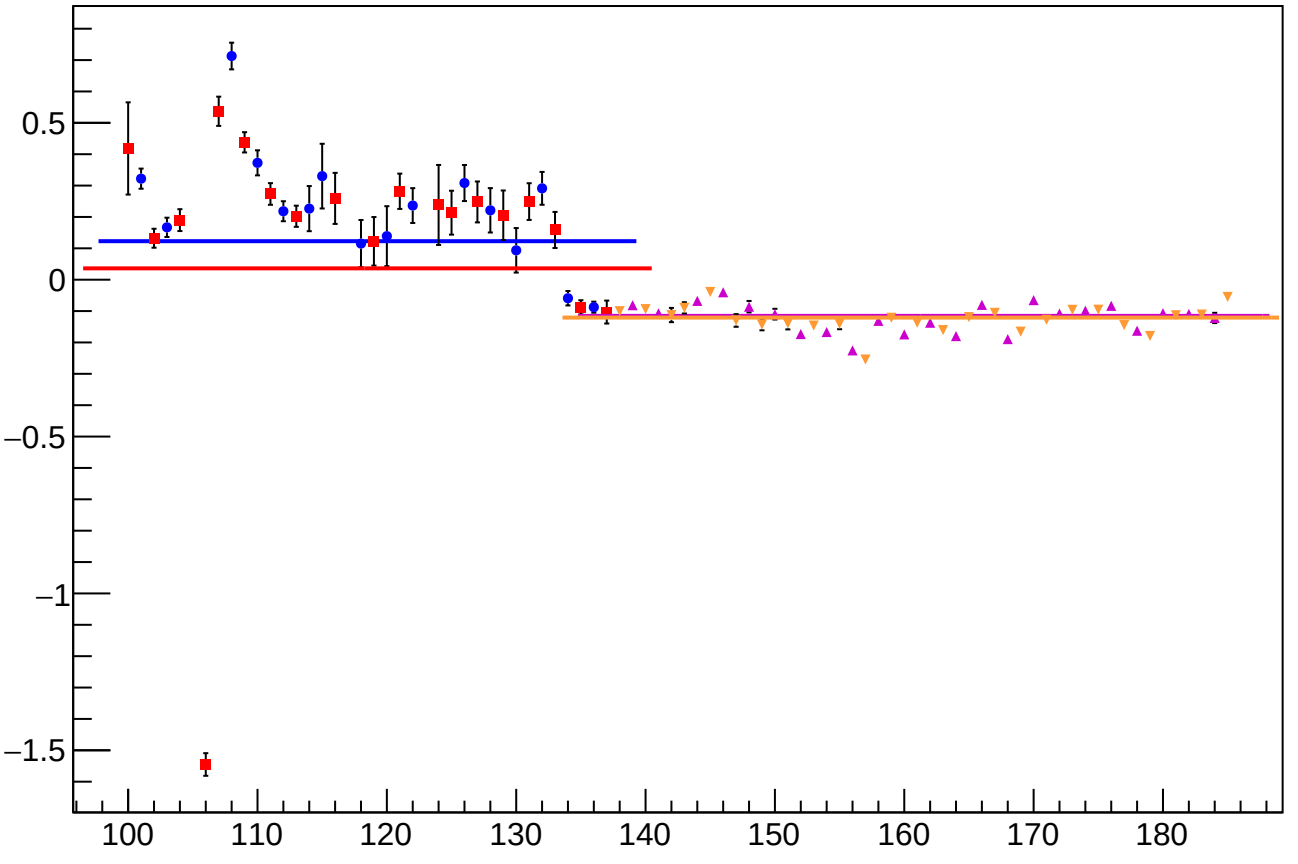
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.727+/-0.053 χ^2/NDF: 10530.3/40

All: 23.492+/-0.038 χ^2/NDF: 22885.4/82

- 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: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

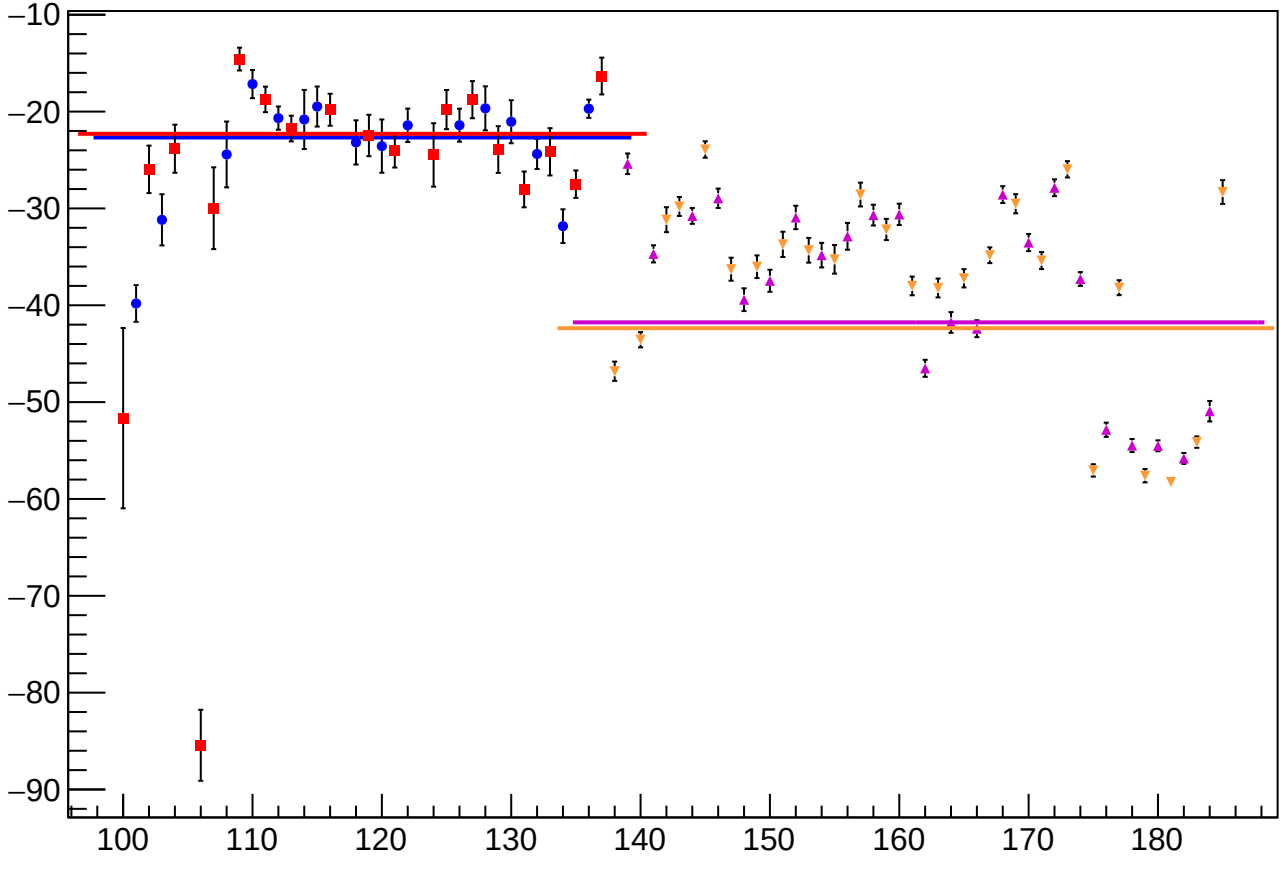
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.105+/-0.002 χ^2/NDF: 1409.8/40

All: -0.106+/-0.002 χ^2/NDF: 4340.5/82

- 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: -42.366+/-0.175 χ^2/NDF:4477.3/24

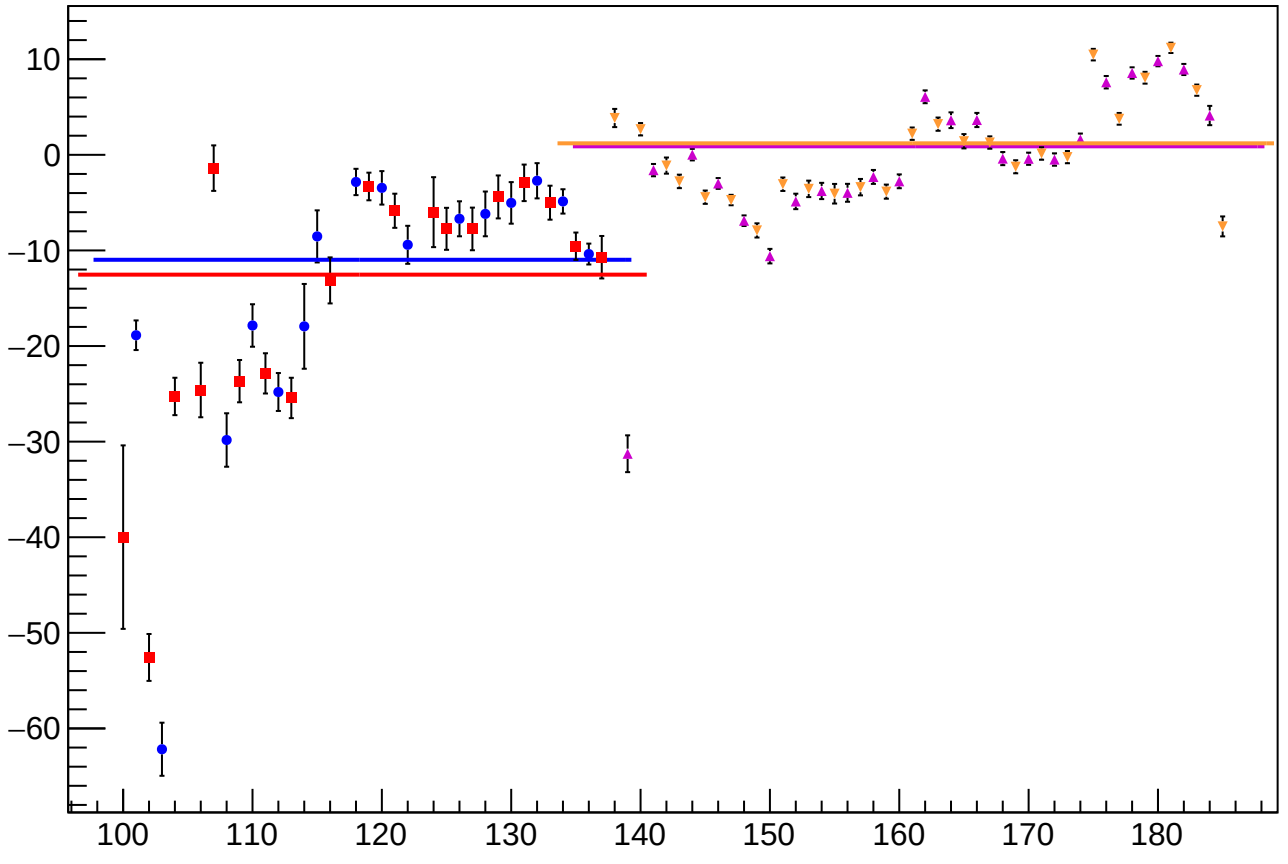
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.612+/-0.162 χ^2/NDF: 6398.0/40

All: -39.254+/-0.117 χ^2/NDF: 11977.0/82

- 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: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

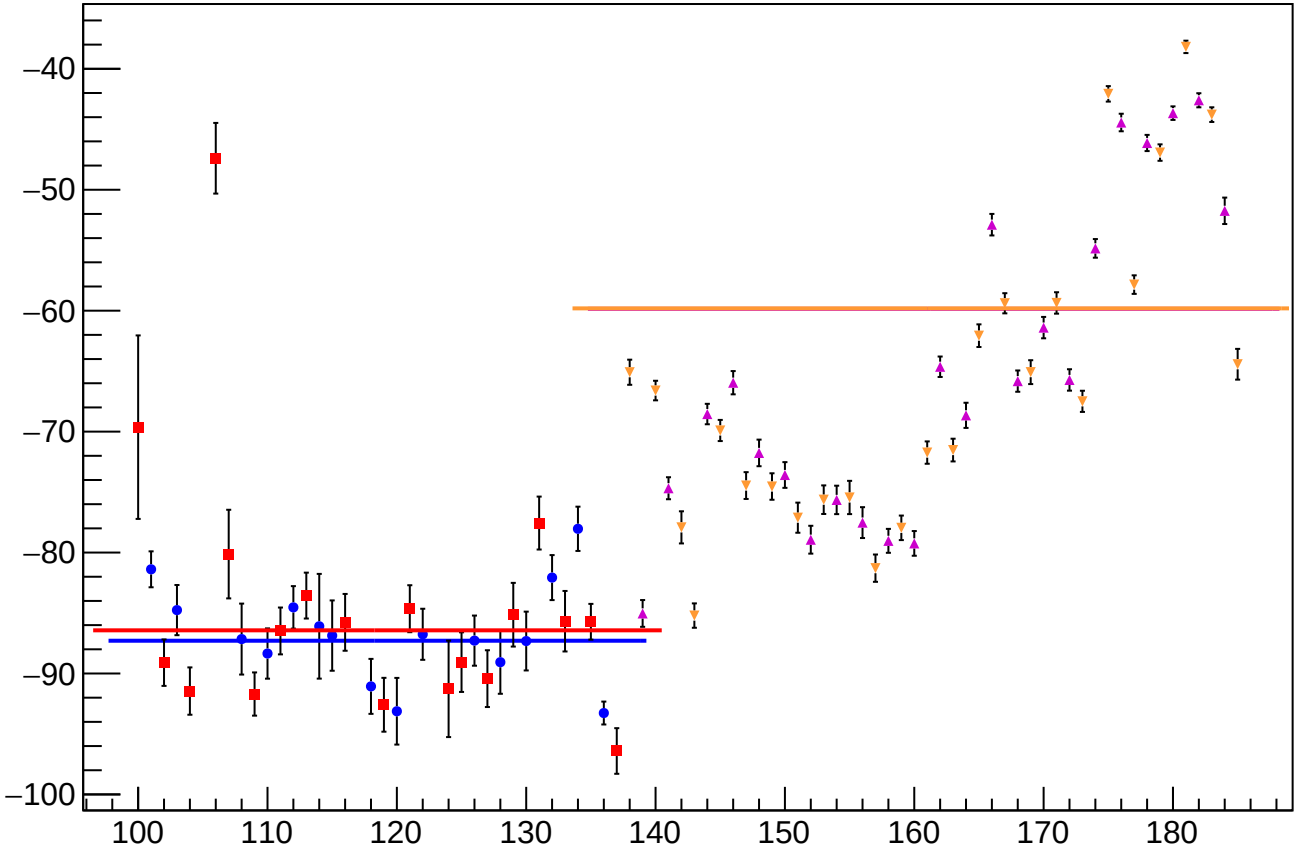
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.168+/-0.132 χ^2/NDF: 2711.5/40

All: -0.009+/-0.095 χ^2/NDF: 5766.5/82

- 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: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

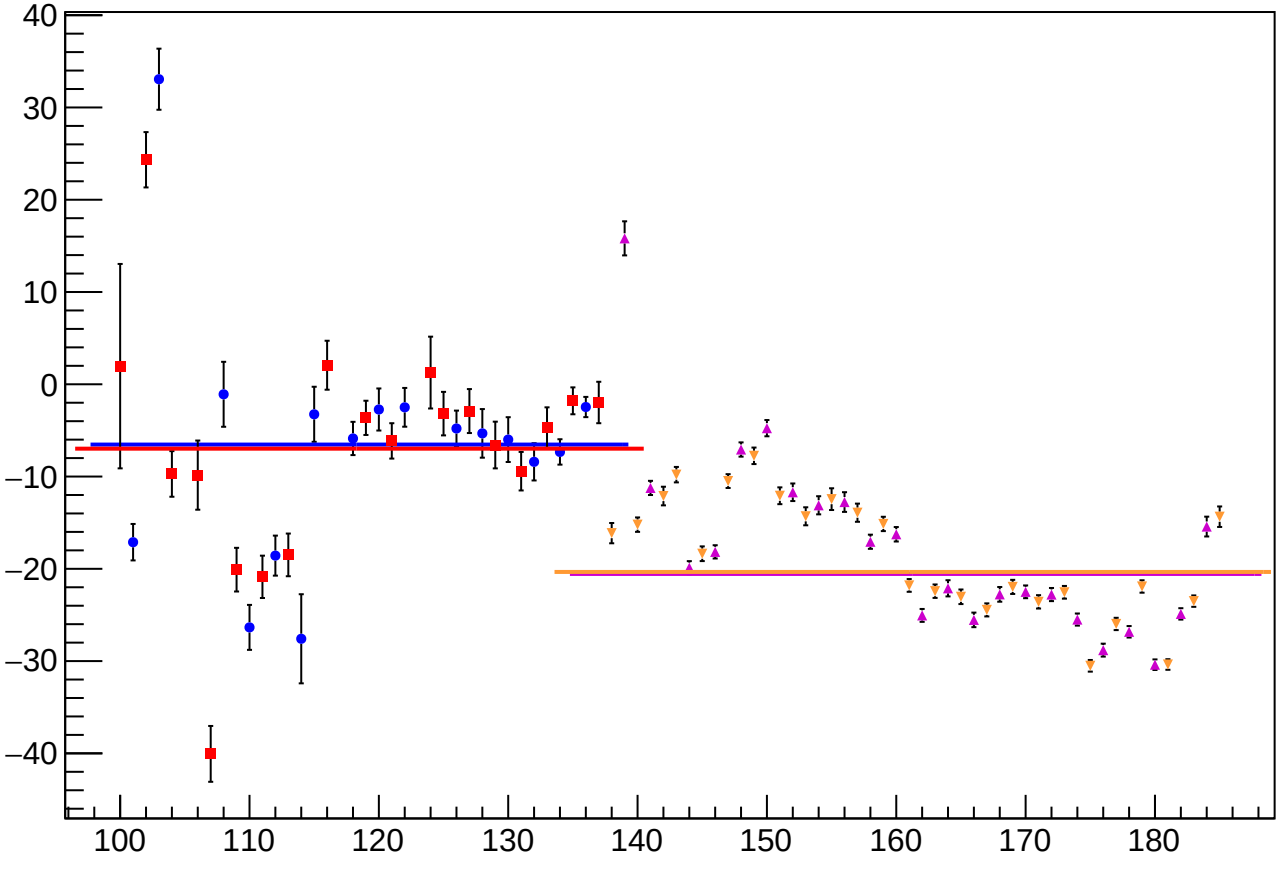
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.036+/-0.165 χ^2/NDF: 9632.3/40

All: -62.953+/-0.118 χ^2/NDF: 17879.3/82

- 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: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

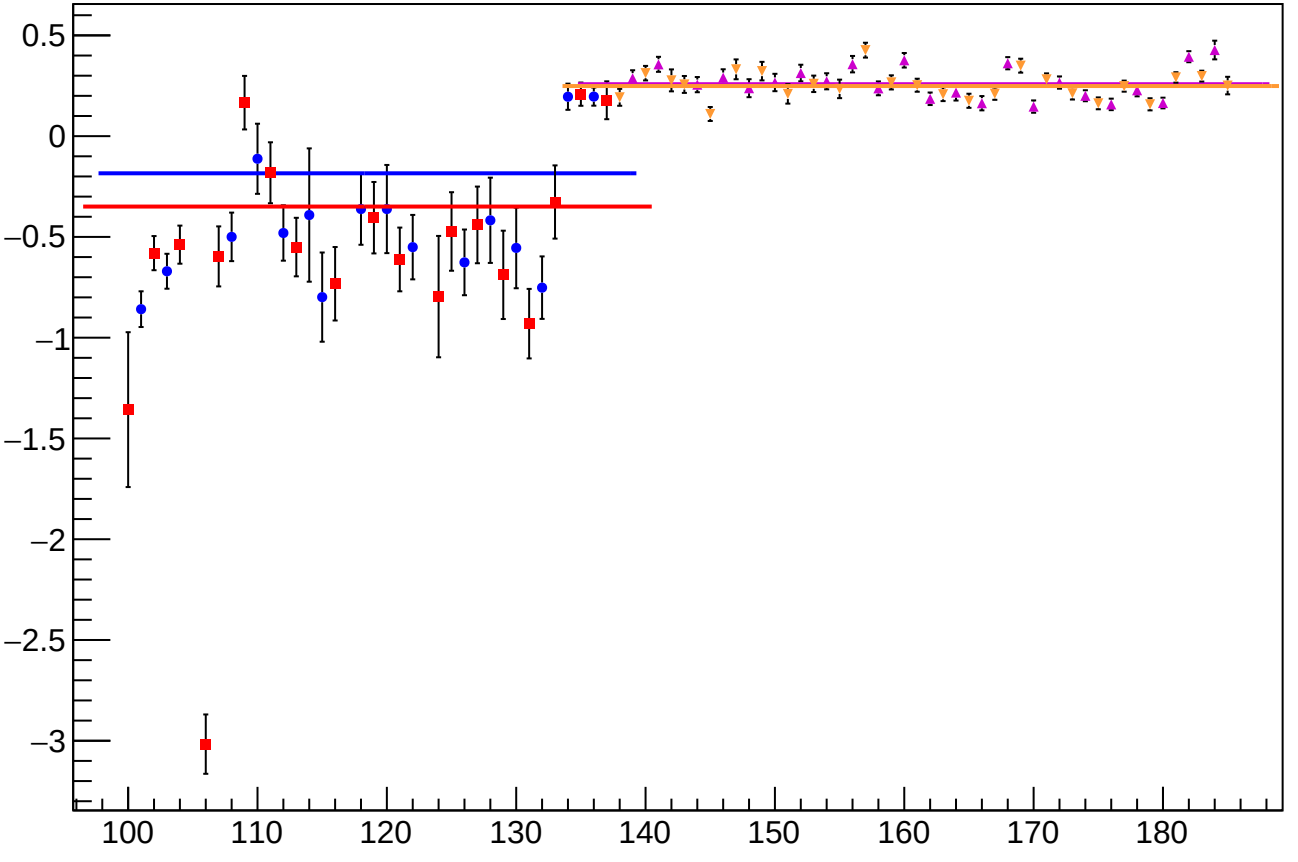
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.168+/-0.148 χ^2/NDF: 2691.1/40

All: -19.314+/-0.106 χ^2/NDF: 5833.2/82

- 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:93.2/24

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

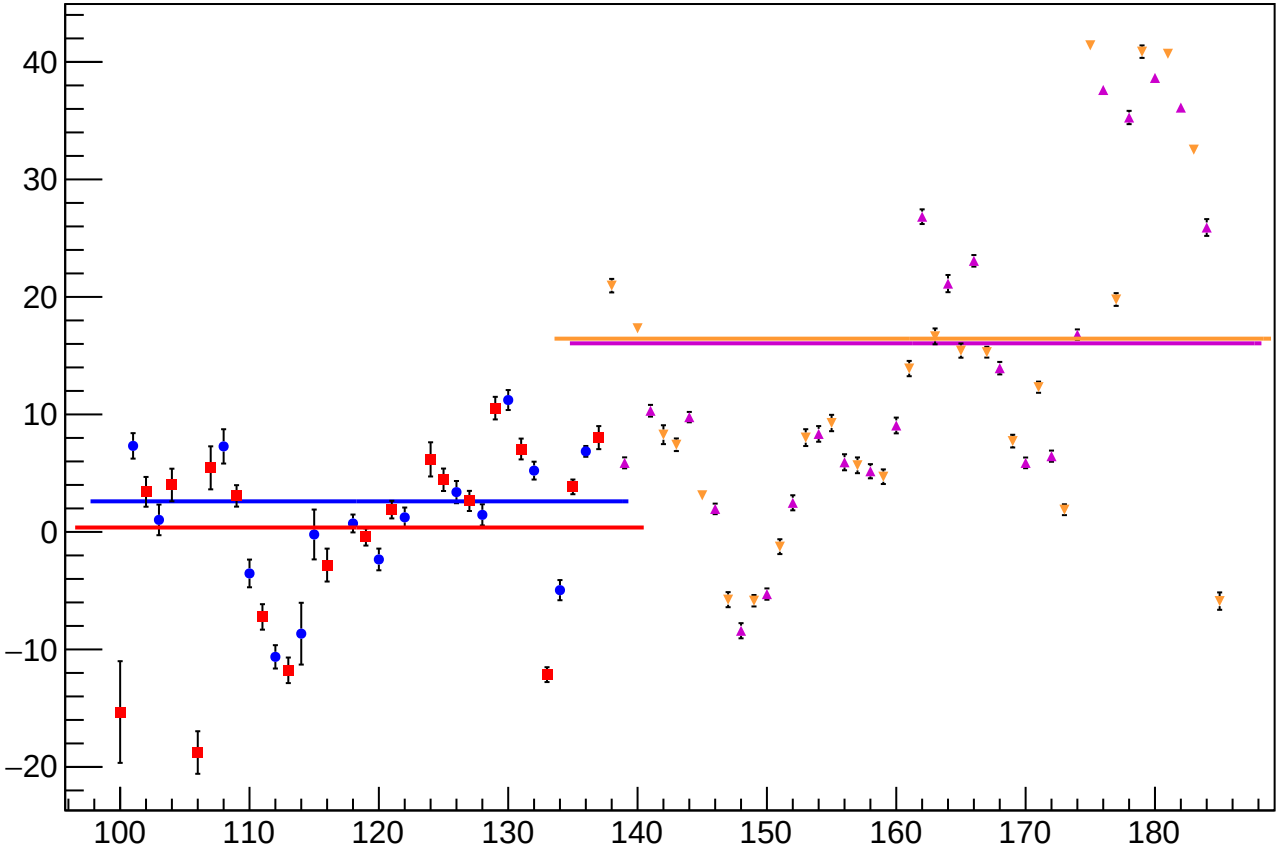
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.221+/-0.007 χ^2/NDF: 585.6/40

All: 0.223+/-0.005 χ^2/NDF: 1641.3/82

- 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: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

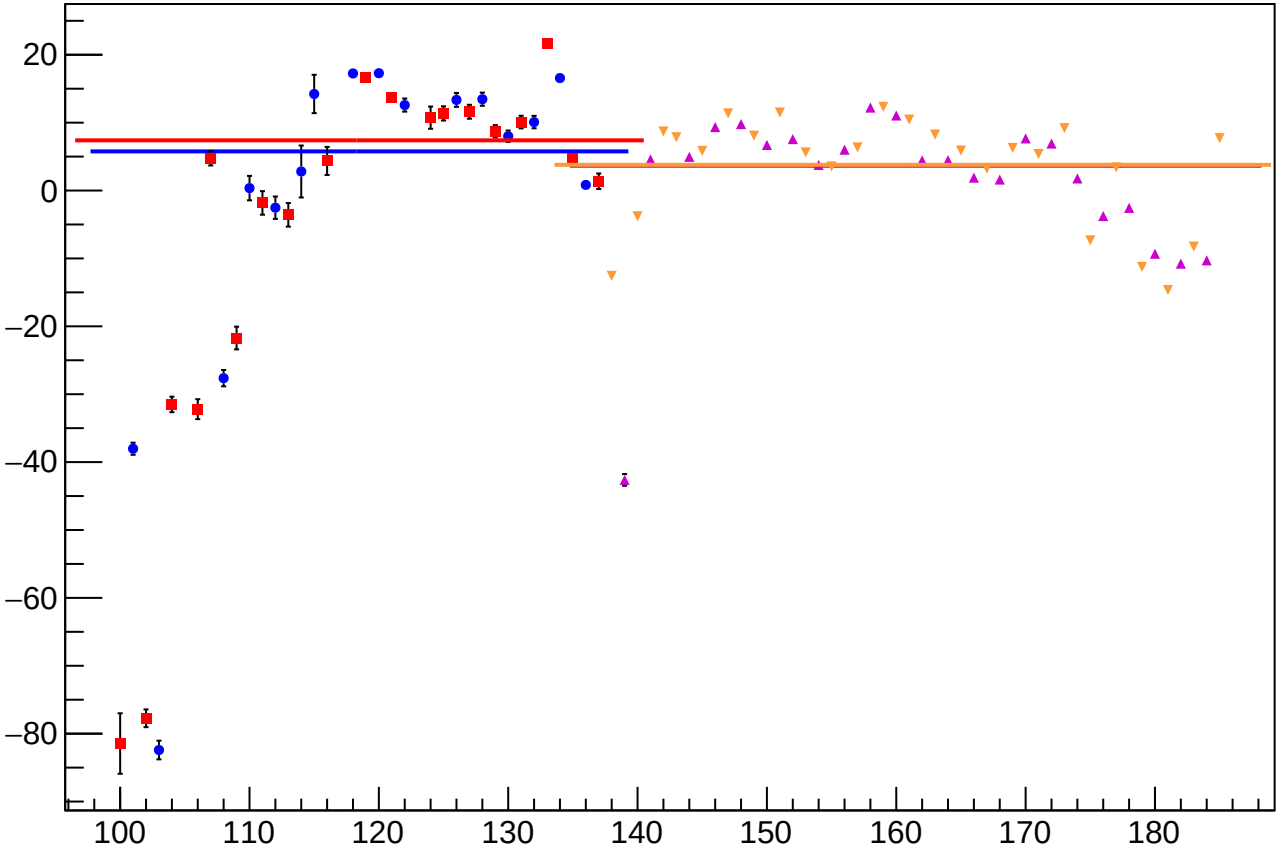
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

\+ sign 13.995+/-0.094 χ^2/NDF: 25113.8/40

All: 13.554+/-0.067 χ^2/NDF: 47849.3/82

\- sign 13.091+/-0.097 χ^2/NDF: 22690.7/41

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

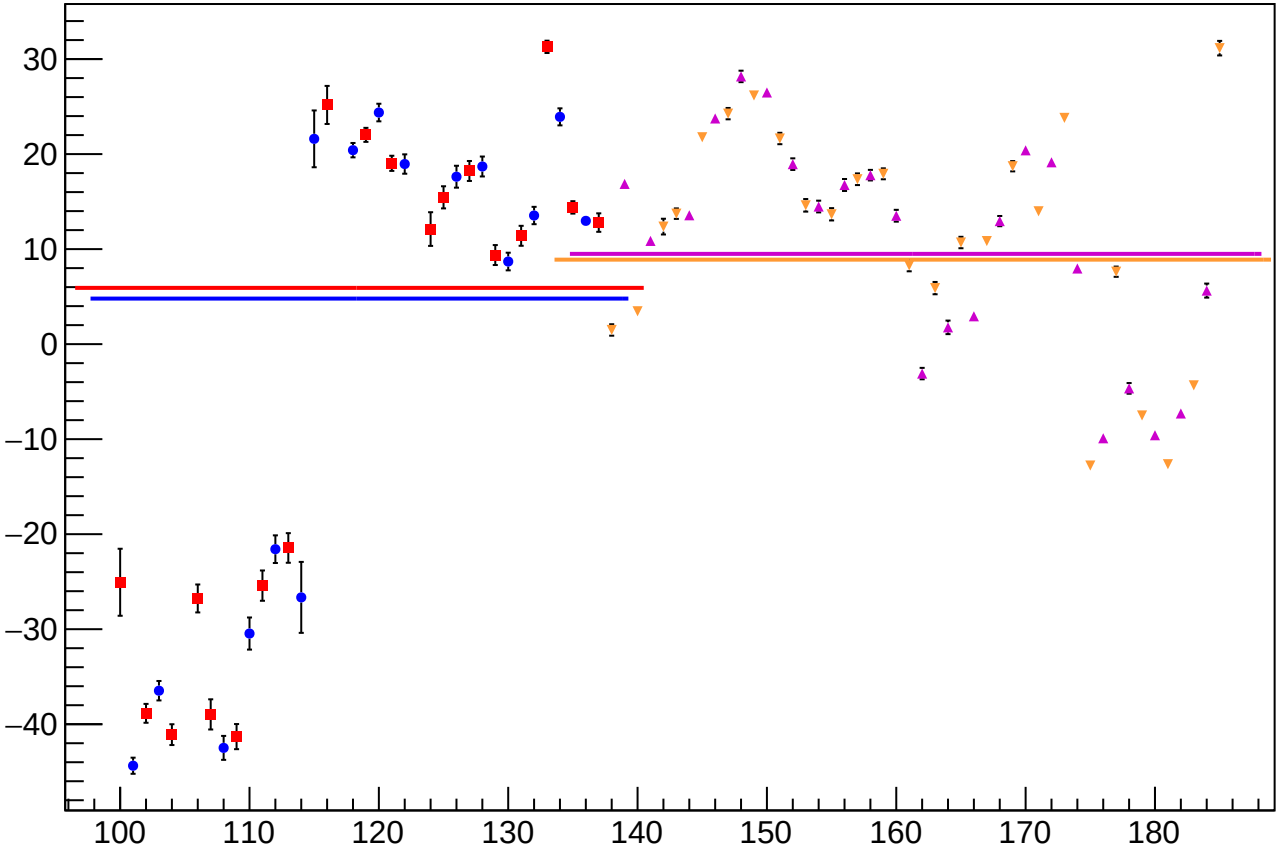
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 4.042+/-0.075 χ^2/NDF: 18112.0/40

All: 4.099+/-0.054 χ^2/NDF: 35092.3/82

- 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: 8.892+/-0.104 χ^2/NDF:15428.1/24

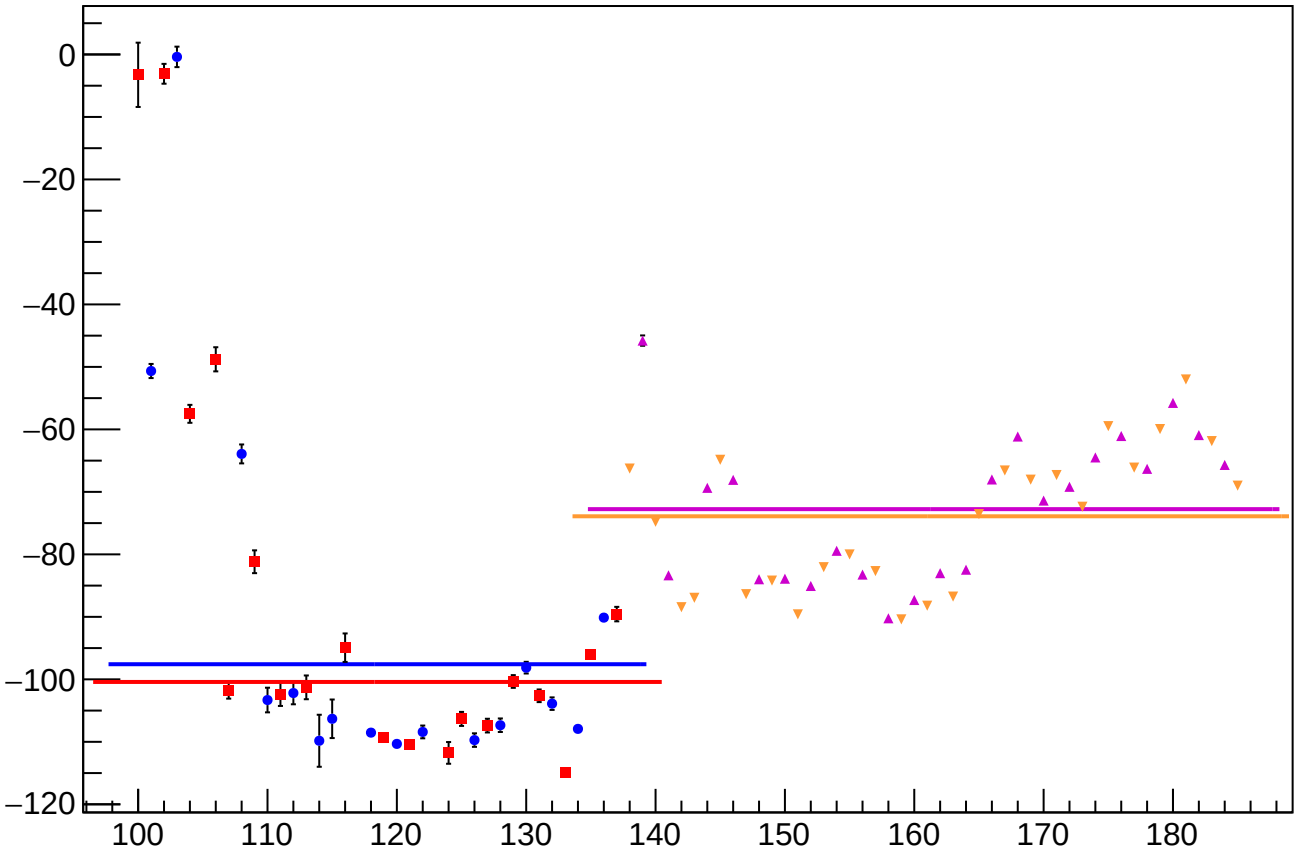
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 8.235+/-0.095 χ^2/NDF: 25175.1/40

All: 8.565+/-0.068 χ^2/NDF: 48486.1/82

- 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: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

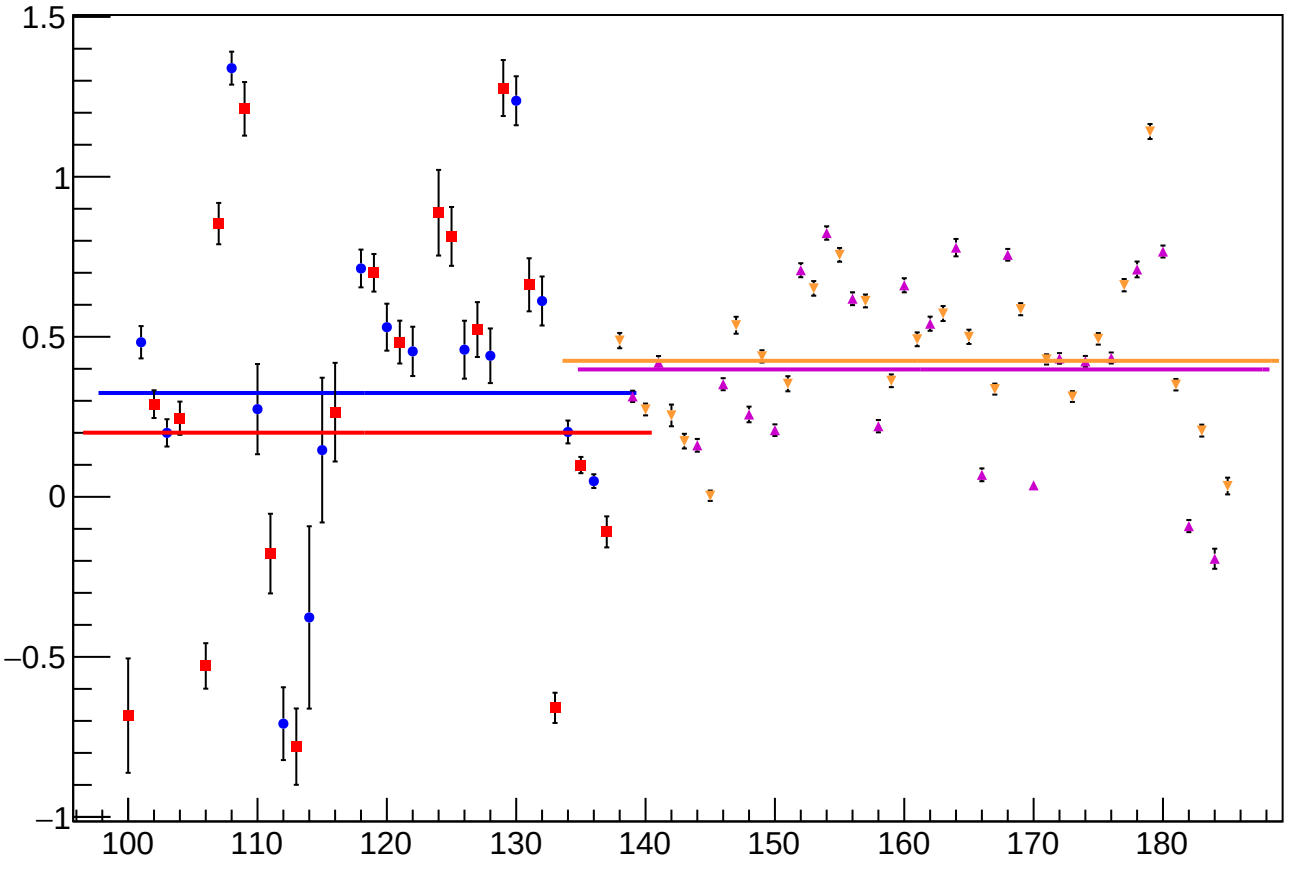
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -76.816+/-0.085 χ^2/NDF: 31127.1/40

All: -76.599+/-0.061 χ^2/NDF: 62321.4/82

- 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: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

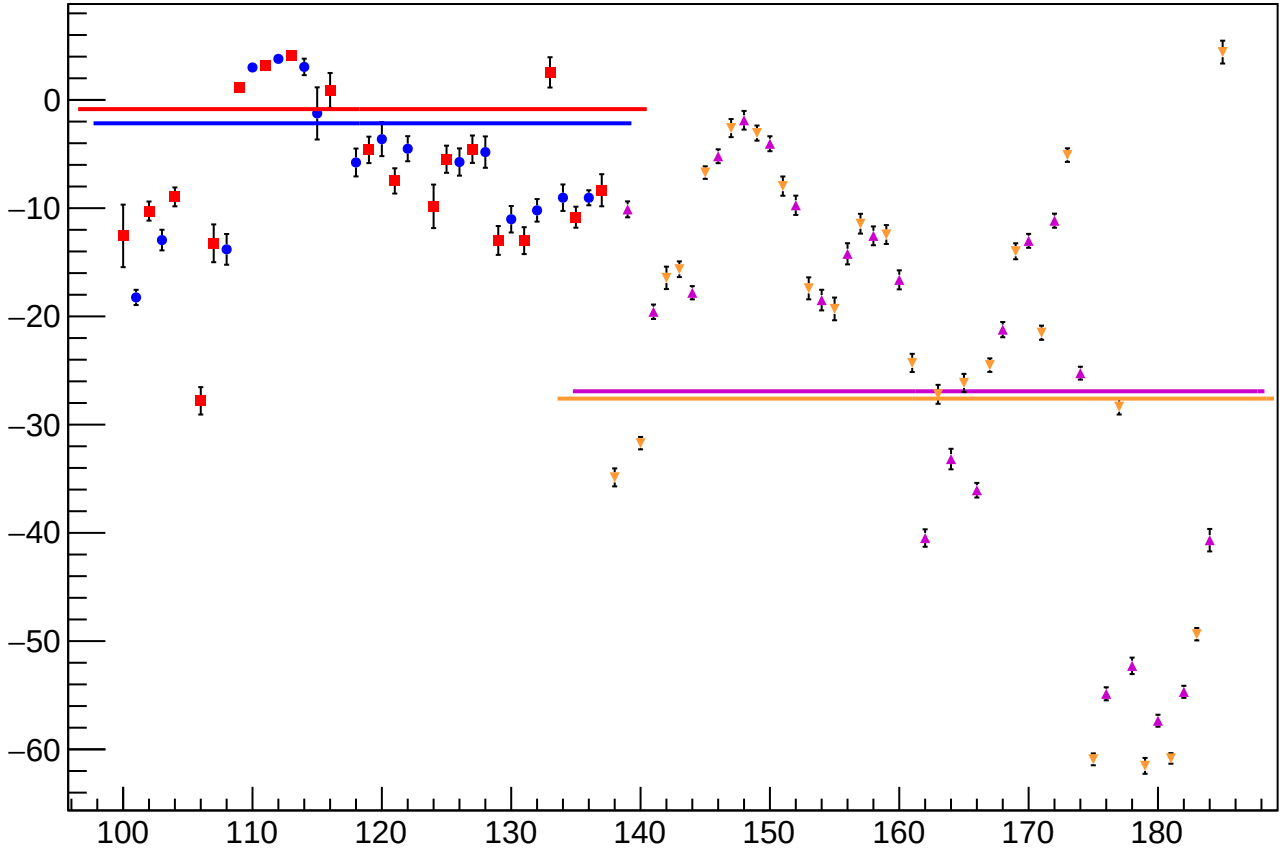
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.416+/-0.004 χ^2/NDF: 3974.3/40

All: 0.400+/-0.003 χ^2/NDF: 9677.6/82

- 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: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

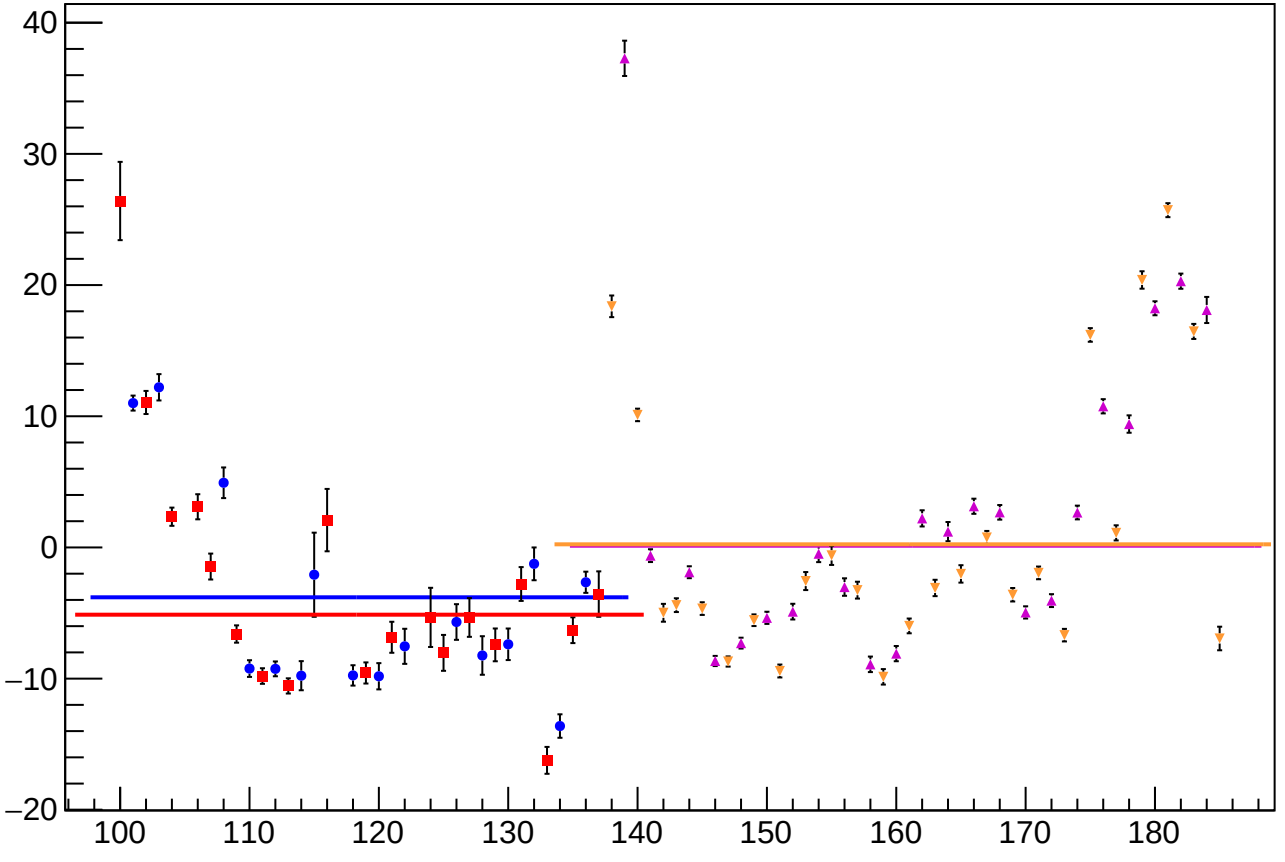
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.411+/-0.115 χ^2/NDF: 32467.8/40

All: -16.969+/-0.080 χ^2/NDF: 63022.5/82

- 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: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

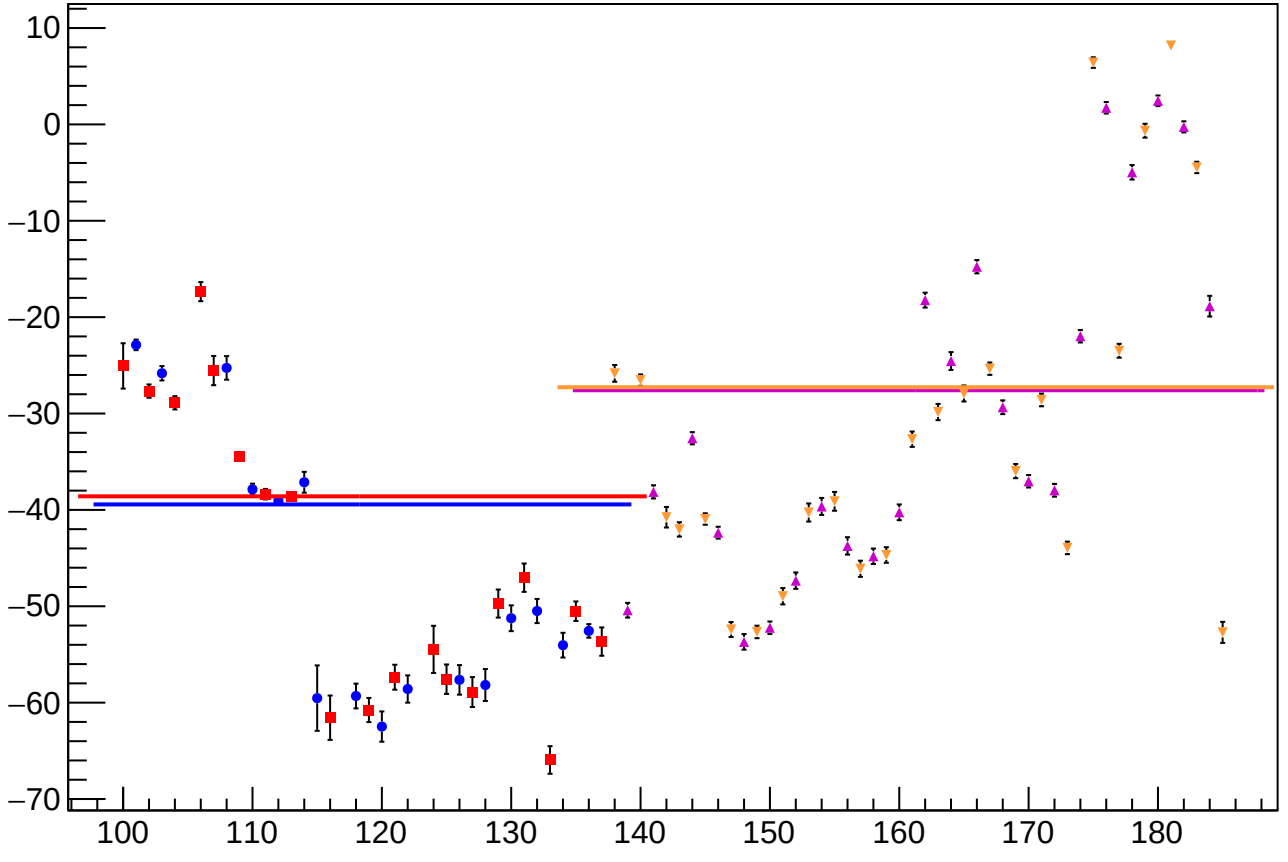
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.541+/-0.099 χ^2/NDF: 9719.6/40

All: -0.764+/-0.071 χ^2/NDF: 17001.5/82

- 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: -27.271+/-0.144 χ^2/NDF:18526.9/24

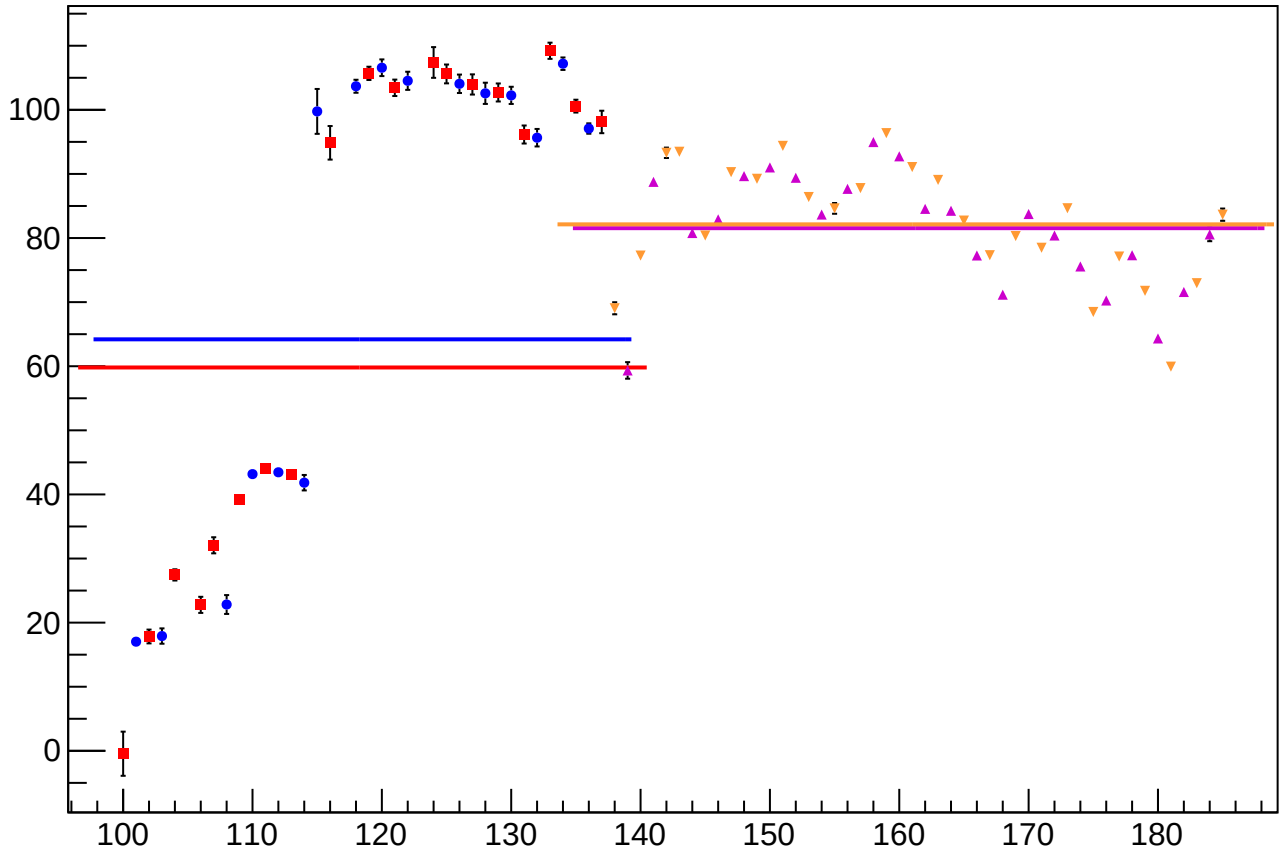
Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -30.791+/-0.121 χ^2/NDF: 23552.2/40

All: -30.987+/-0.086 χ^2/NDF: 43783.6/82

- sign -31.185+/-0.122 χ^2/NDF: 20226.2/41



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

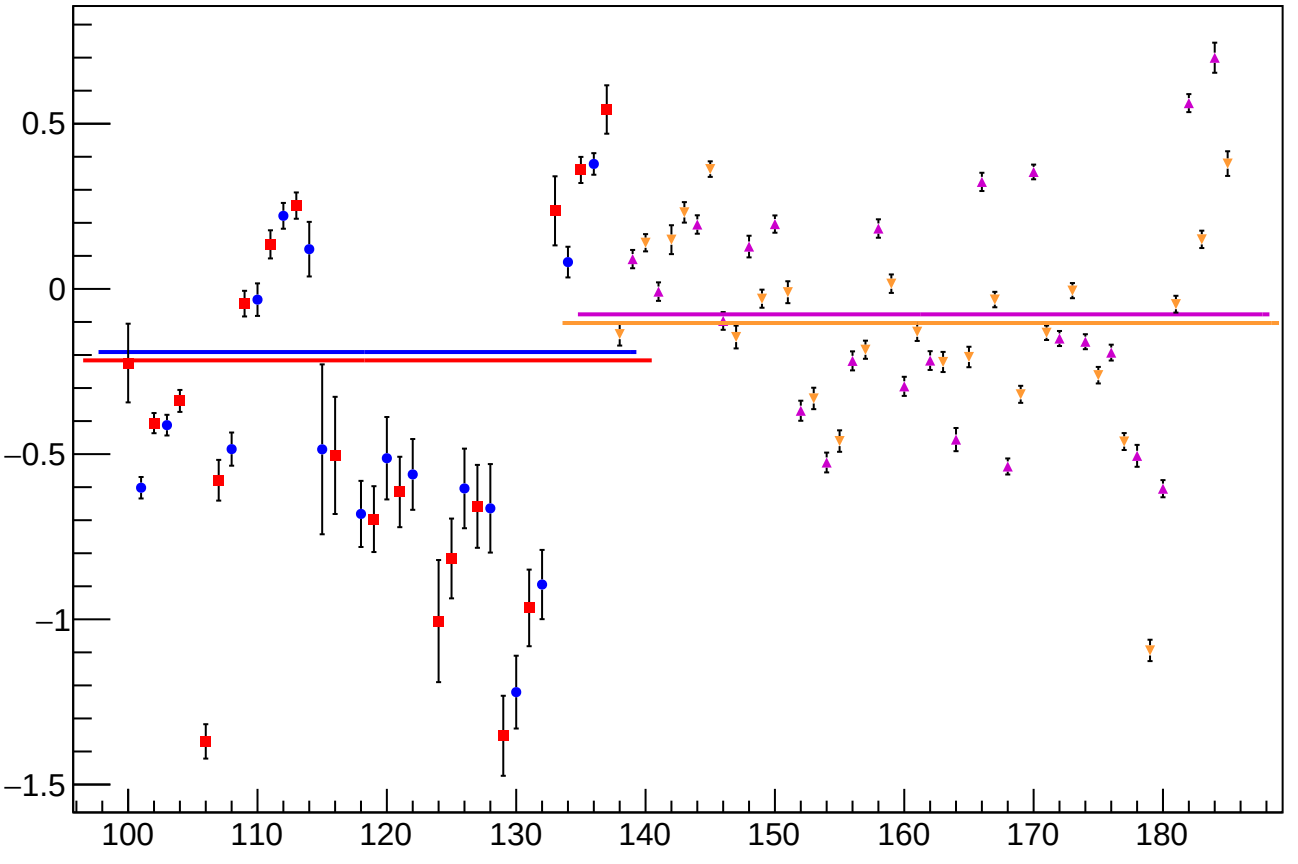
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.724+/-0.112 χ^2/NDF: 27902.6/40

All: 77.847+/-0.080 χ^2/NDF: 55518.7/82

- 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: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

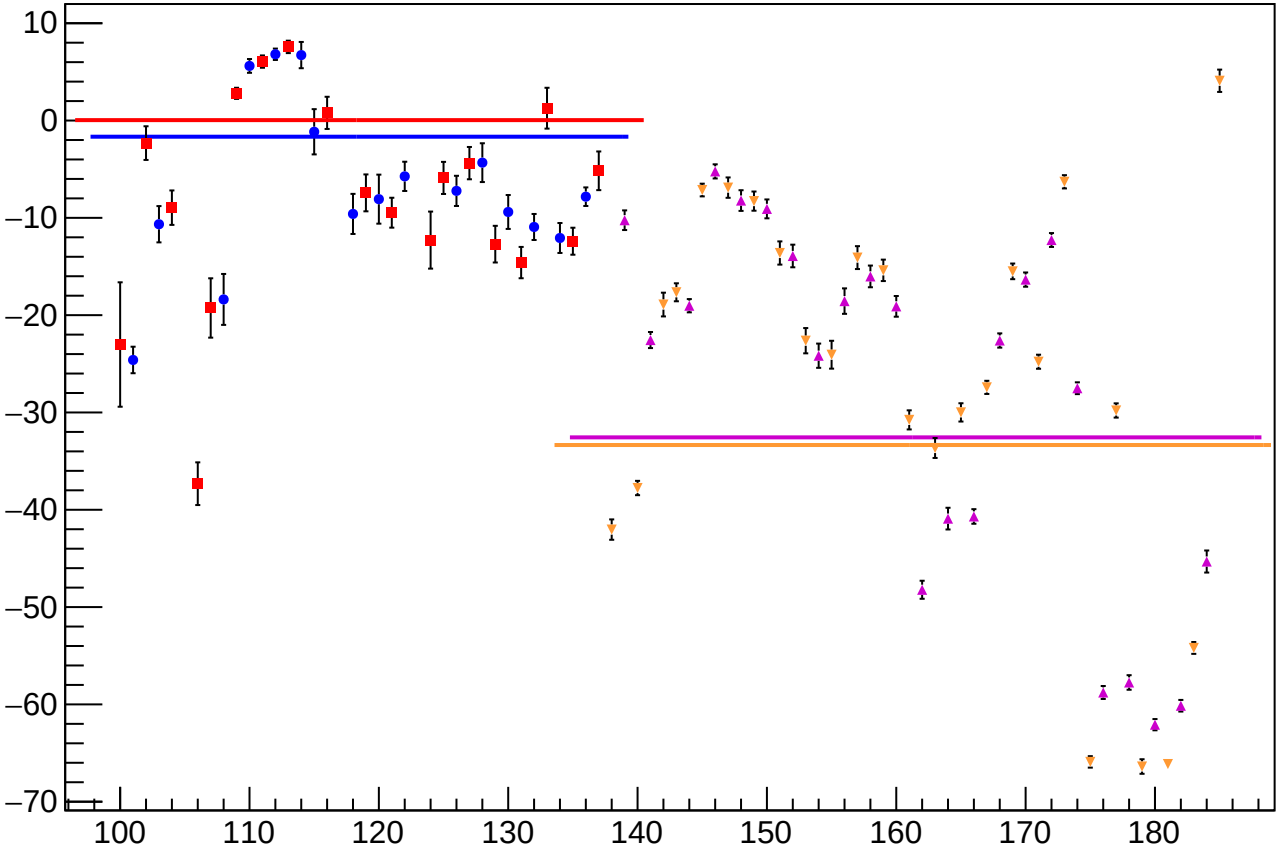
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.116+/-0.005 χ^2/NDF: 3363.0/40

All: -0.108+/-0.004 χ^2/NDF: 8153.7/82

- 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: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

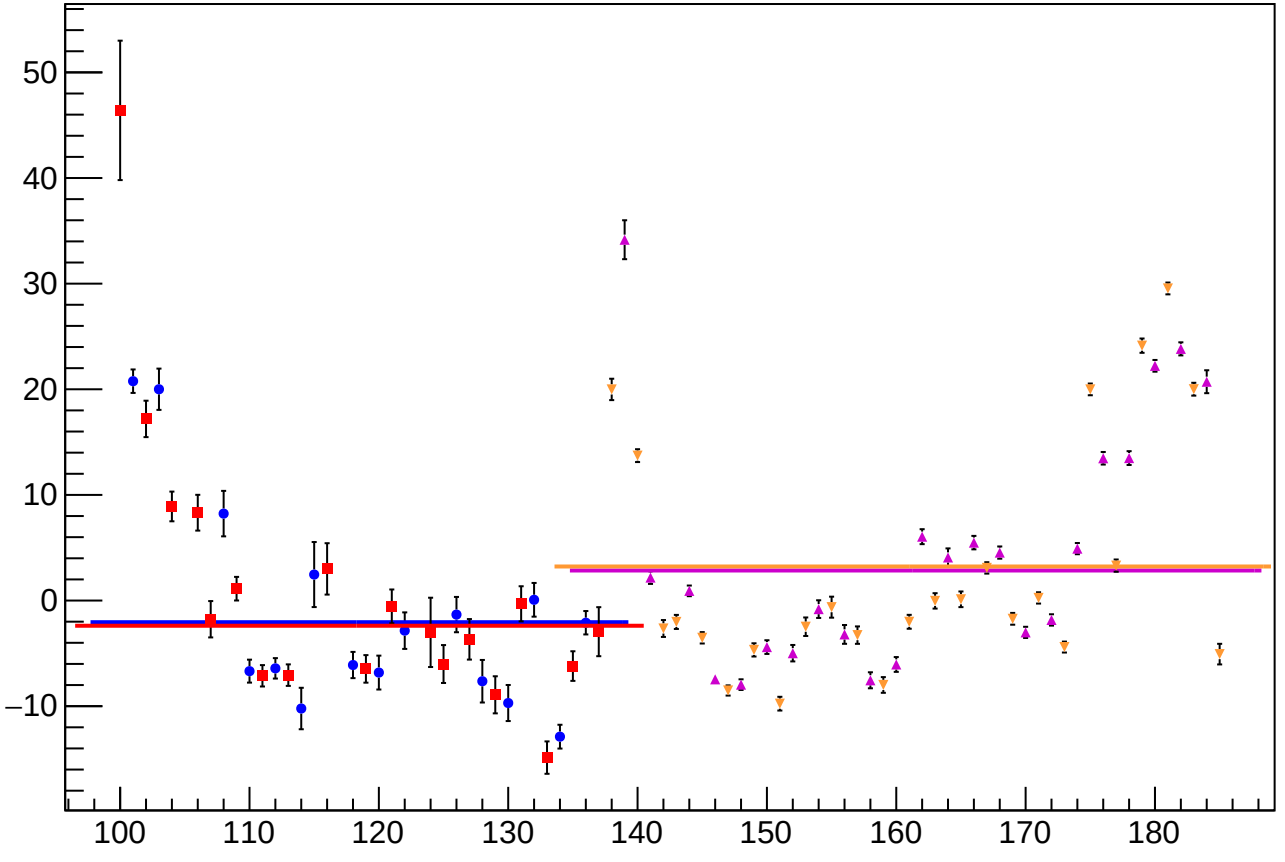
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.309+/-0.145 χ^2/NDF: 27118.6/40

All: -25.109+/-0.103 χ^2/NDF: 51907.4/82

- 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: 3.224+/-0.128 χ^2/NDF:7675.6/24

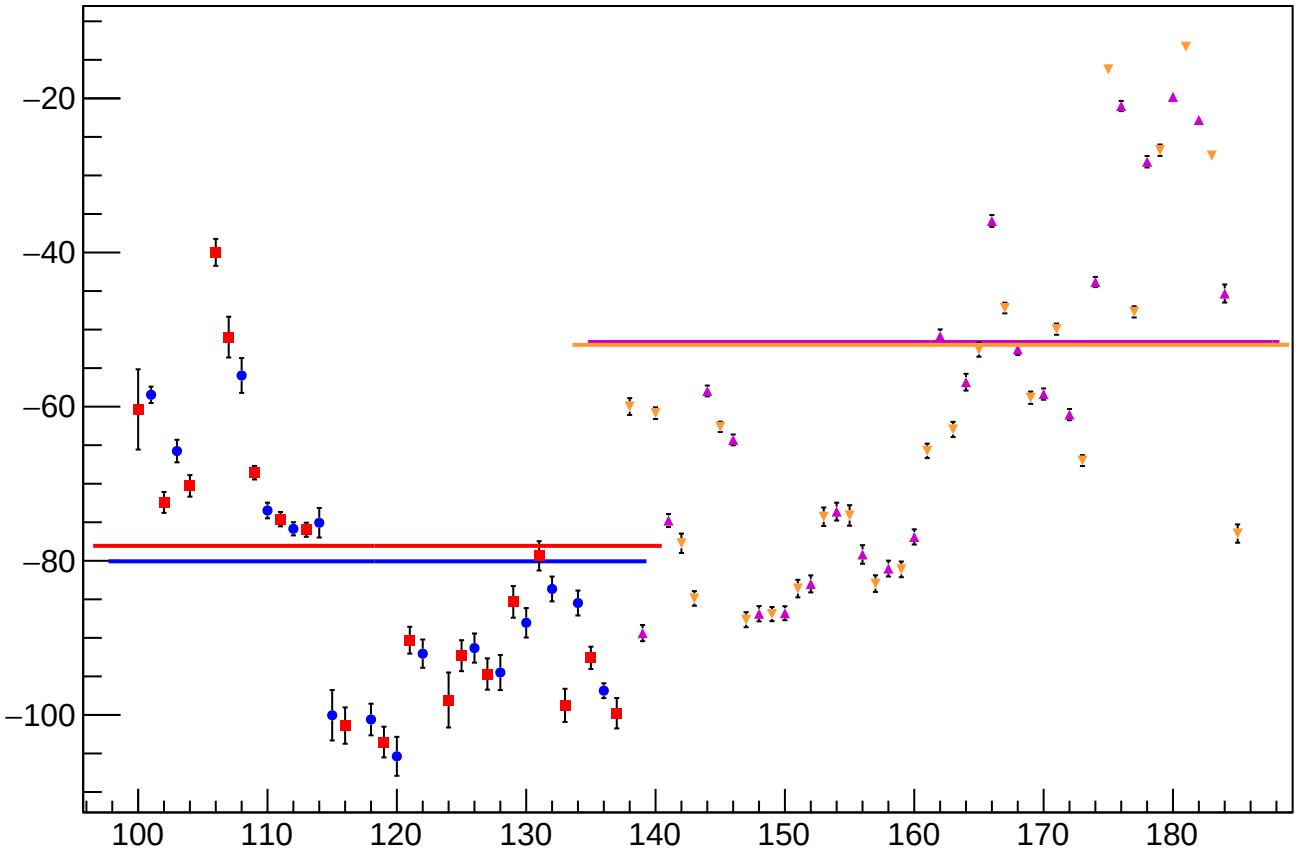
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.620+/-0.121 χ^2/NDF: 8641.7/40

All: 2.423+/-0.086 χ^2/NDF: 14744.3/82

- 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: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

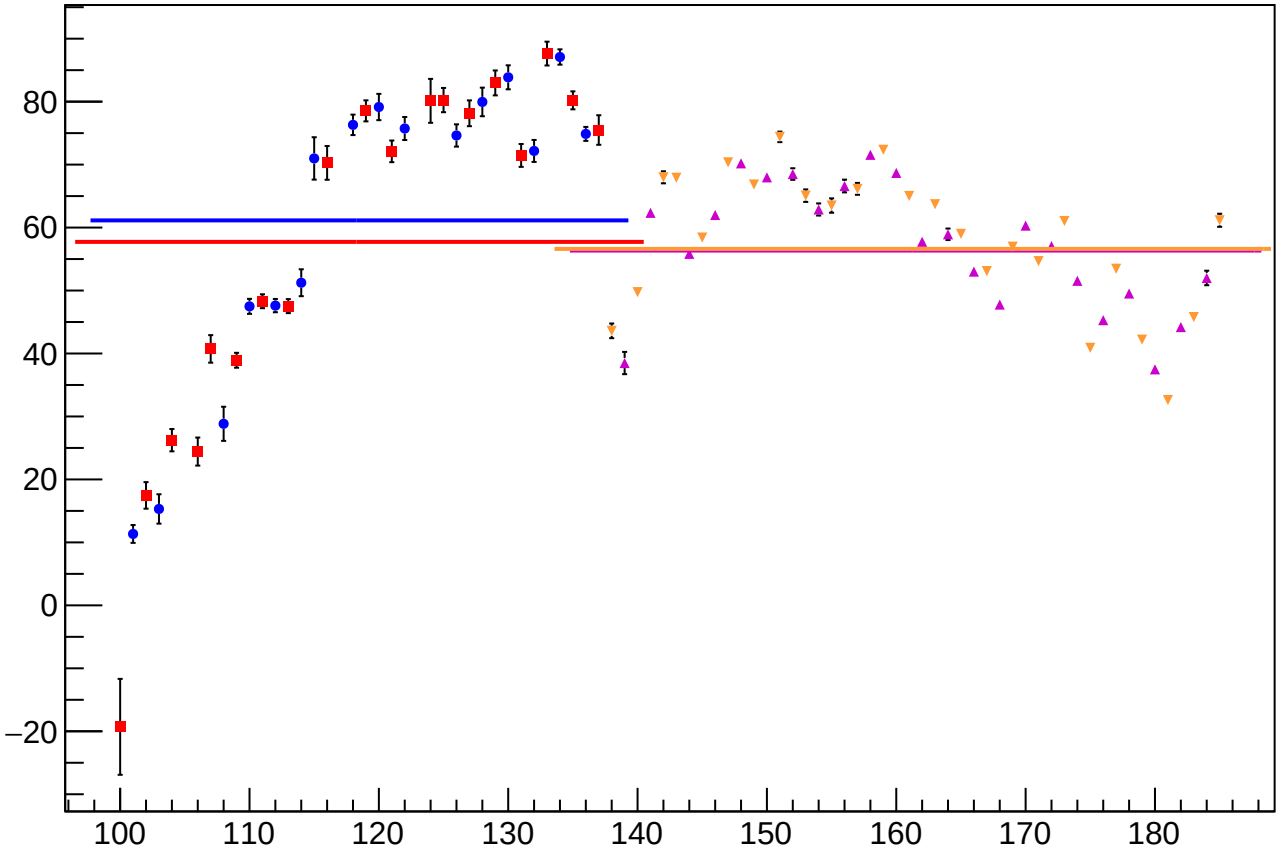
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -56.752+/-0.150 χ^2/NDF: 27206.5/40

All: -56.645+/-0.107 χ^2/NDF: 50947.9/82

- 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: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

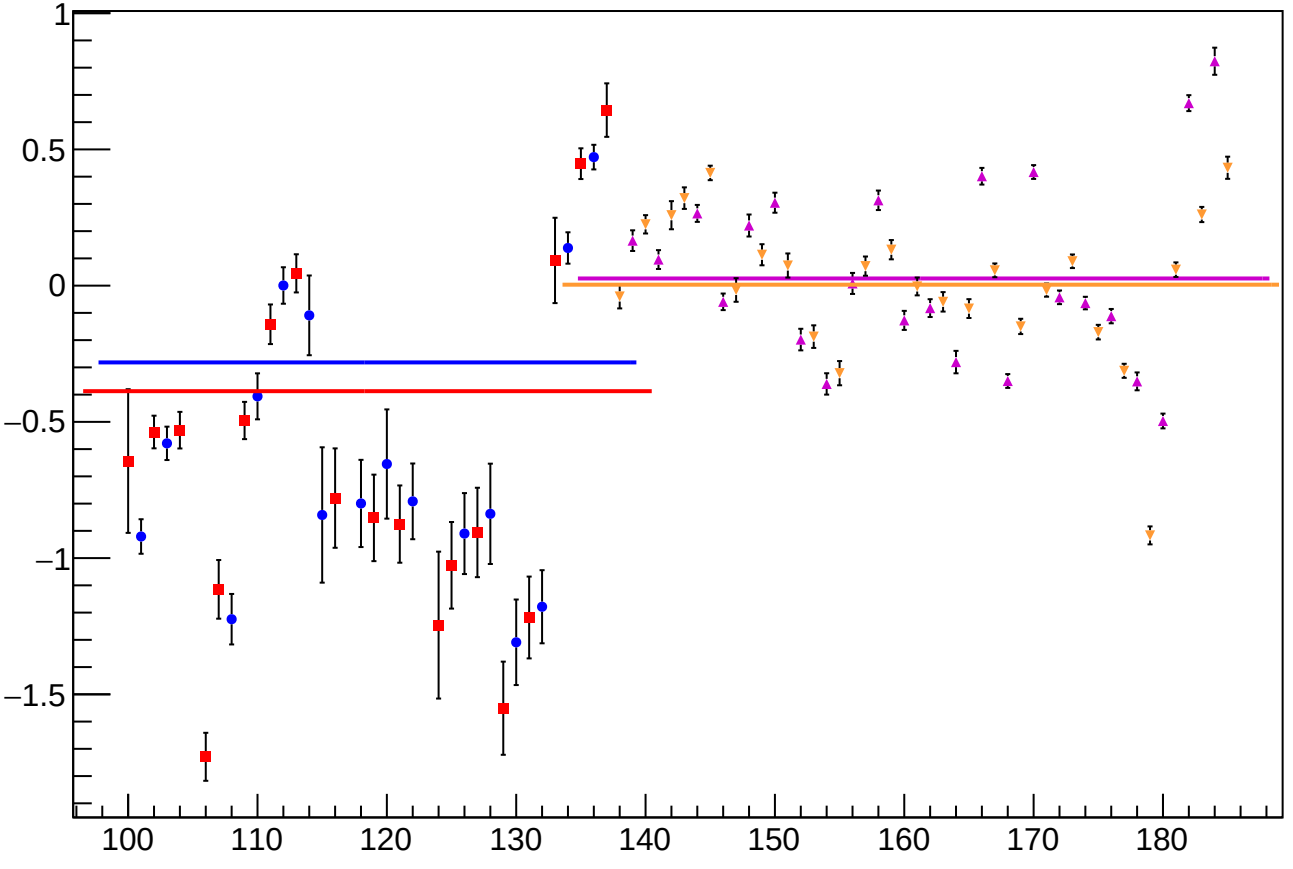
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.129+/-0.135 χ^2/NDF: 9008.5/40

All: 56.828+/-0.097 χ^2/NDF: 15773.5/82

- 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: 0.004+/-0.006 χ^2/NDF:1701.0/24

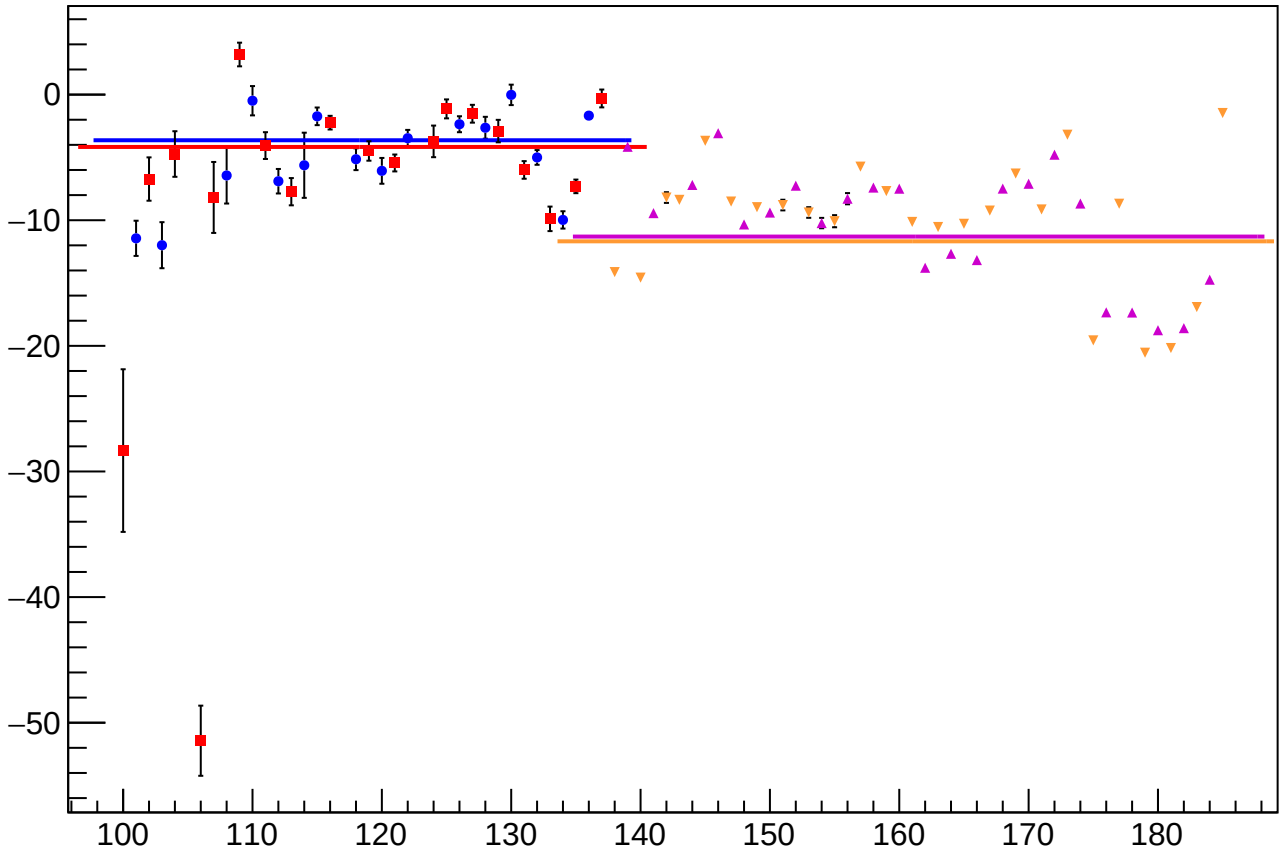
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.020+/-0.006 χ^2/NDF: 2589.0/40

All: -0.014+/-0.004 χ^2/NDF: 6085.4/82

- 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: -11.680+/-0.053 χ^2/NDF:12602.3/24

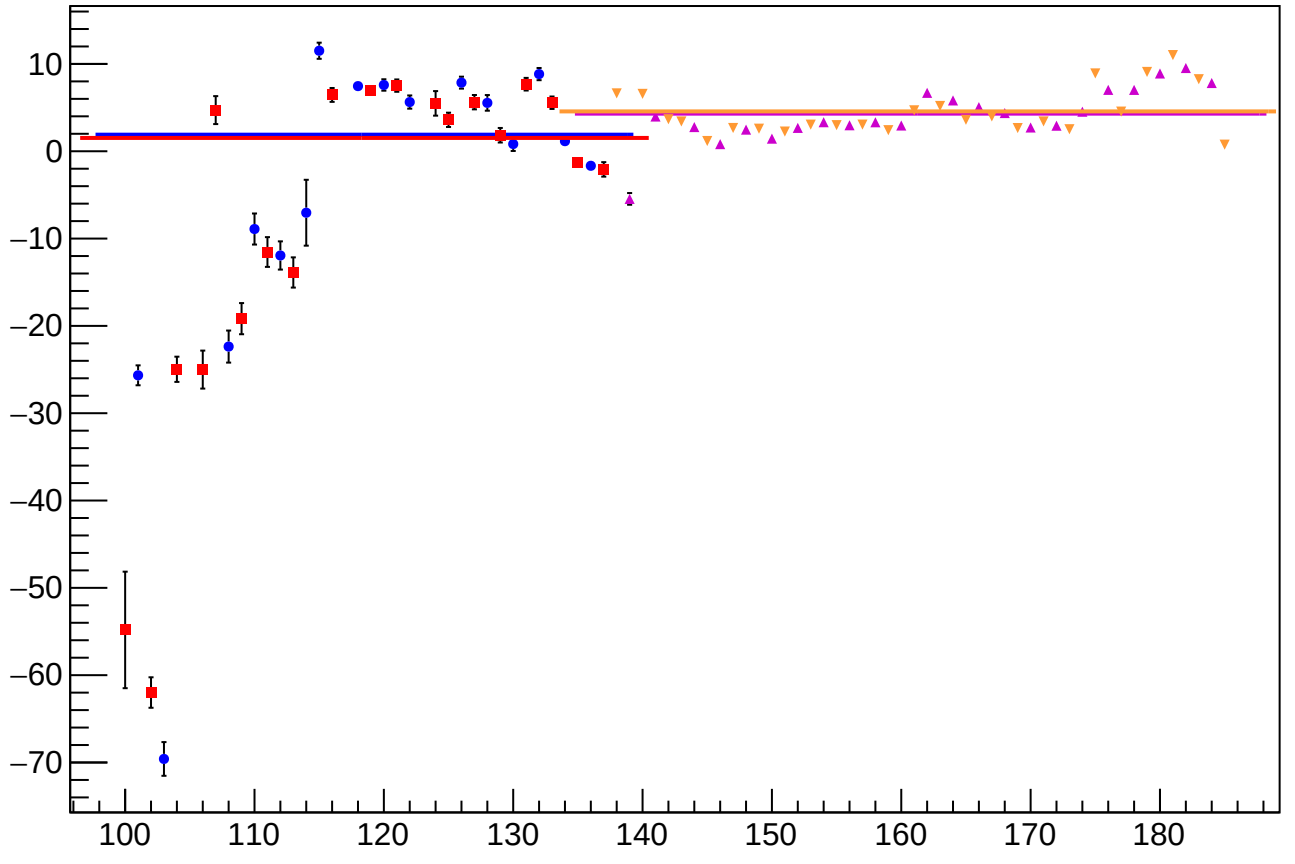
Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.101+/-0.051 χ^2/NDF: 14518.3/40

All: -10.961+/-0.036 χ^2/NDF: 25484.8/82

- 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: 4.564+/-0.041 χ^2/NDF:4356.3/24

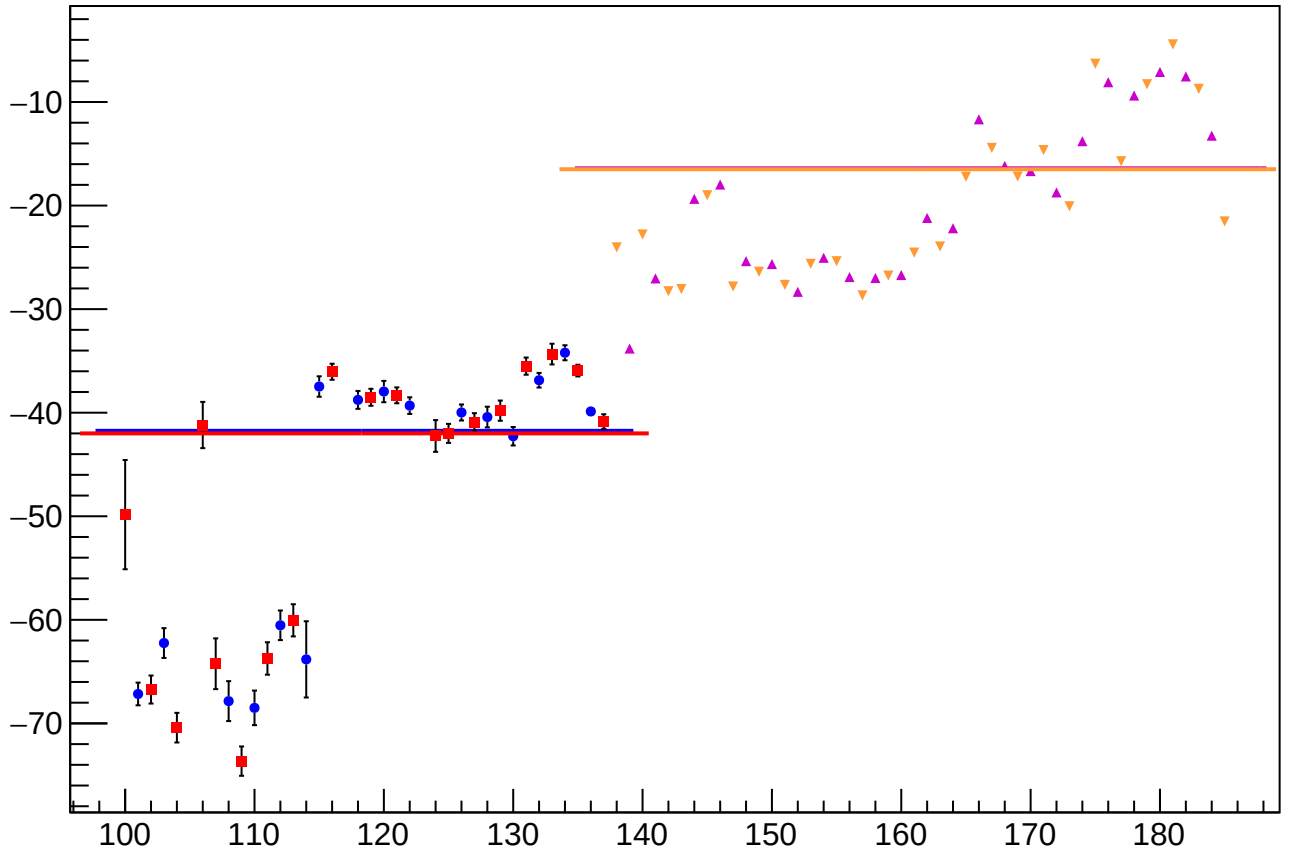
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.442+/-0.040 χ^2/NDF: 7384.3/40

All: 4.323+/-0.029 χ^2/NDF: 13742.3/82

- 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: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

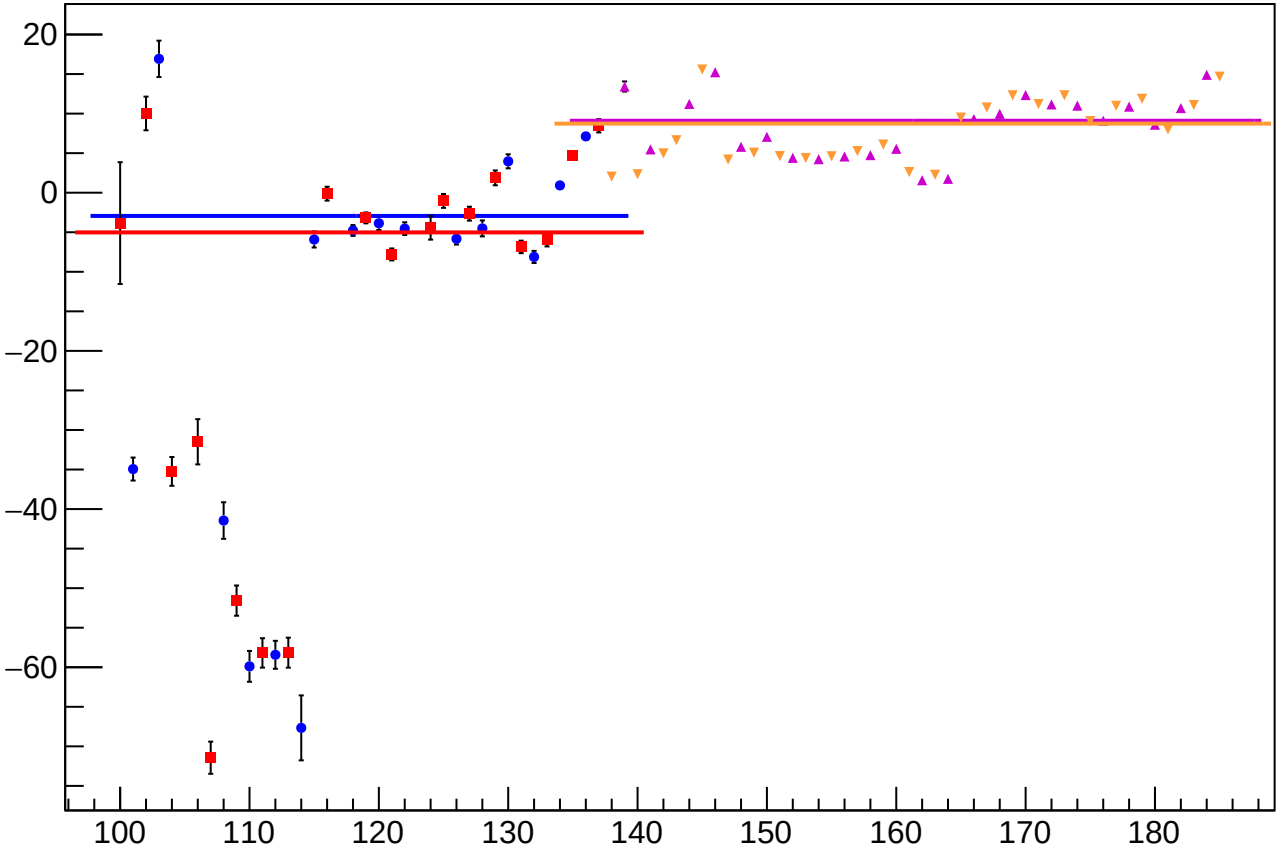
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.026+/-0.051 χ^2/NDF: 37517.8/40

All: -17.894+/-0.037 χ^2/NDF: 69458.5/82

- 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: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

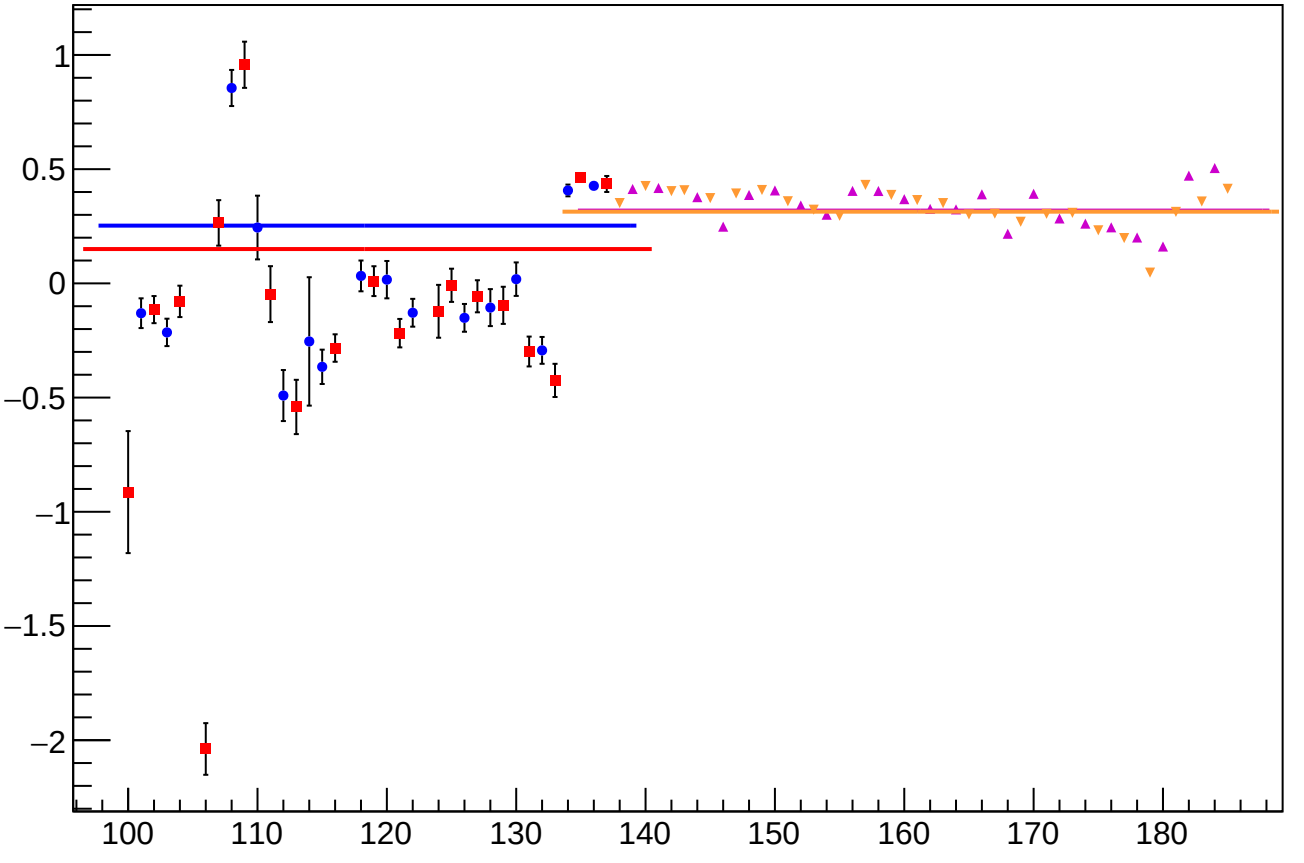
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.194+/-0.045 χ^2/NDF: 13556.3/40

All: 8.362+/-0.032 χ^2/NDF: 27261.9/82

- 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: 0.314+/-0.002 χ^2/NDF:1602.1/24

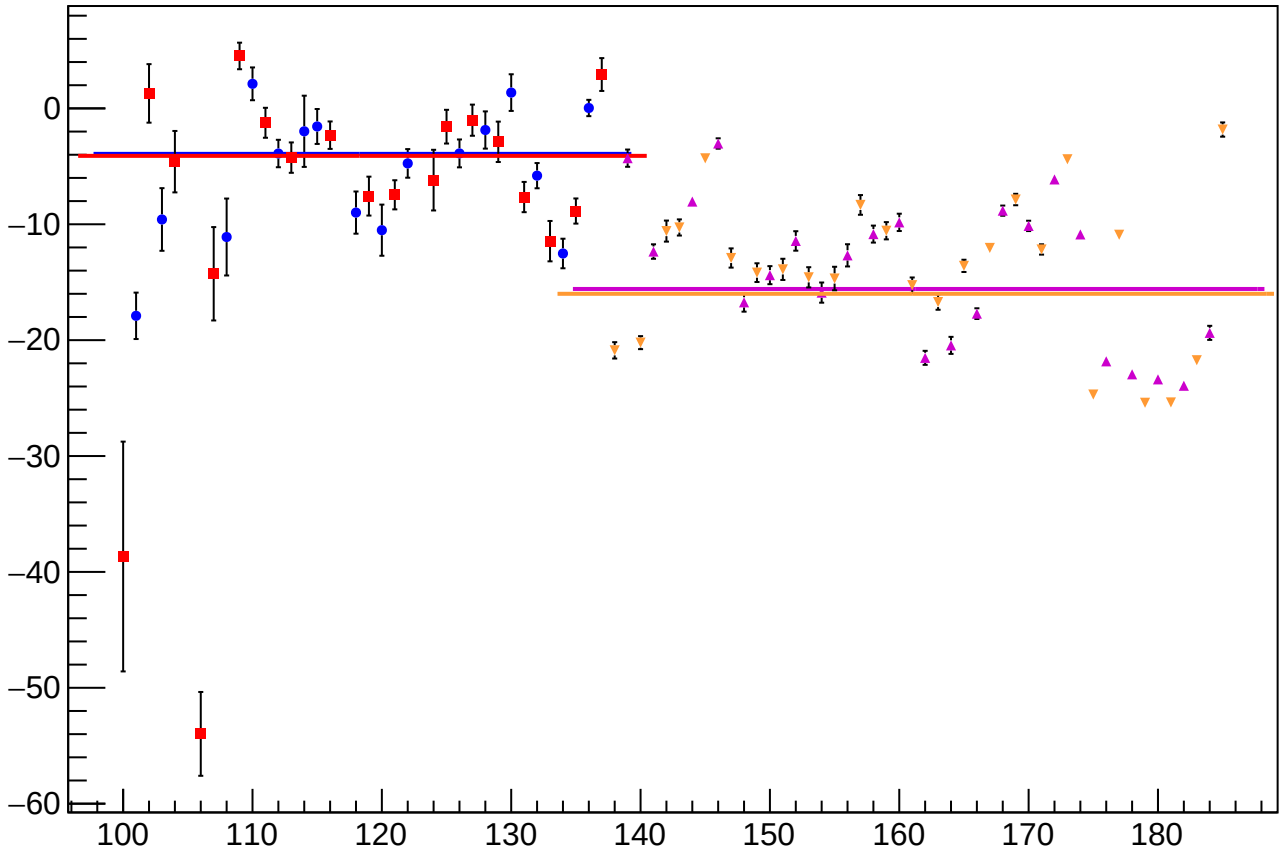
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.312+/-0.002 χ^2/NDF: 2260.5/40

All: 0.313+/-0.001 χ^2/NDF: 5222.2/82

- sign 0.315+/-0.002 χ^2/NDF: 2960.9/41



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

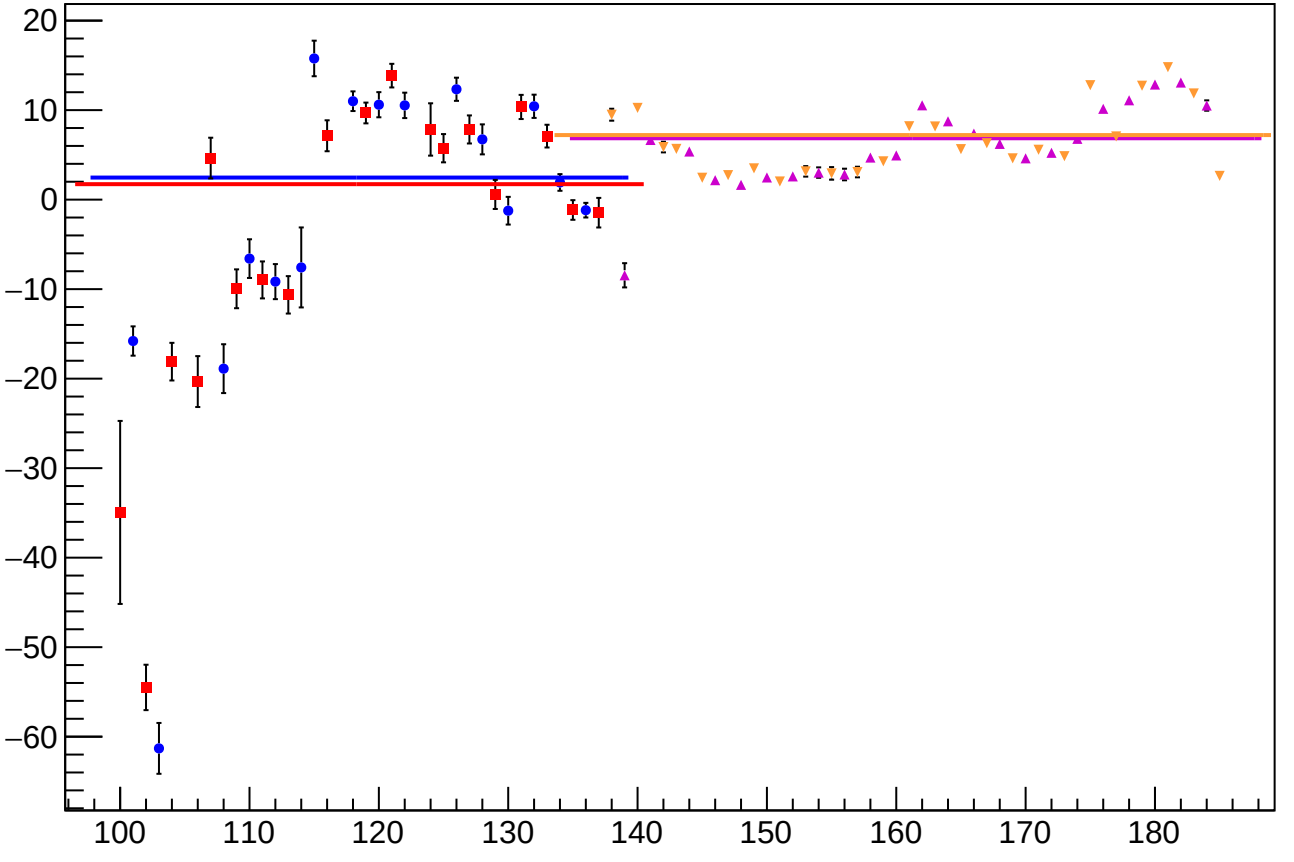
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.080+/-0.096 χ^2/NDF: 7276.8/40

All: -14.902+/-0.068 χ^2/NDF: 13368.6/82

- 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: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

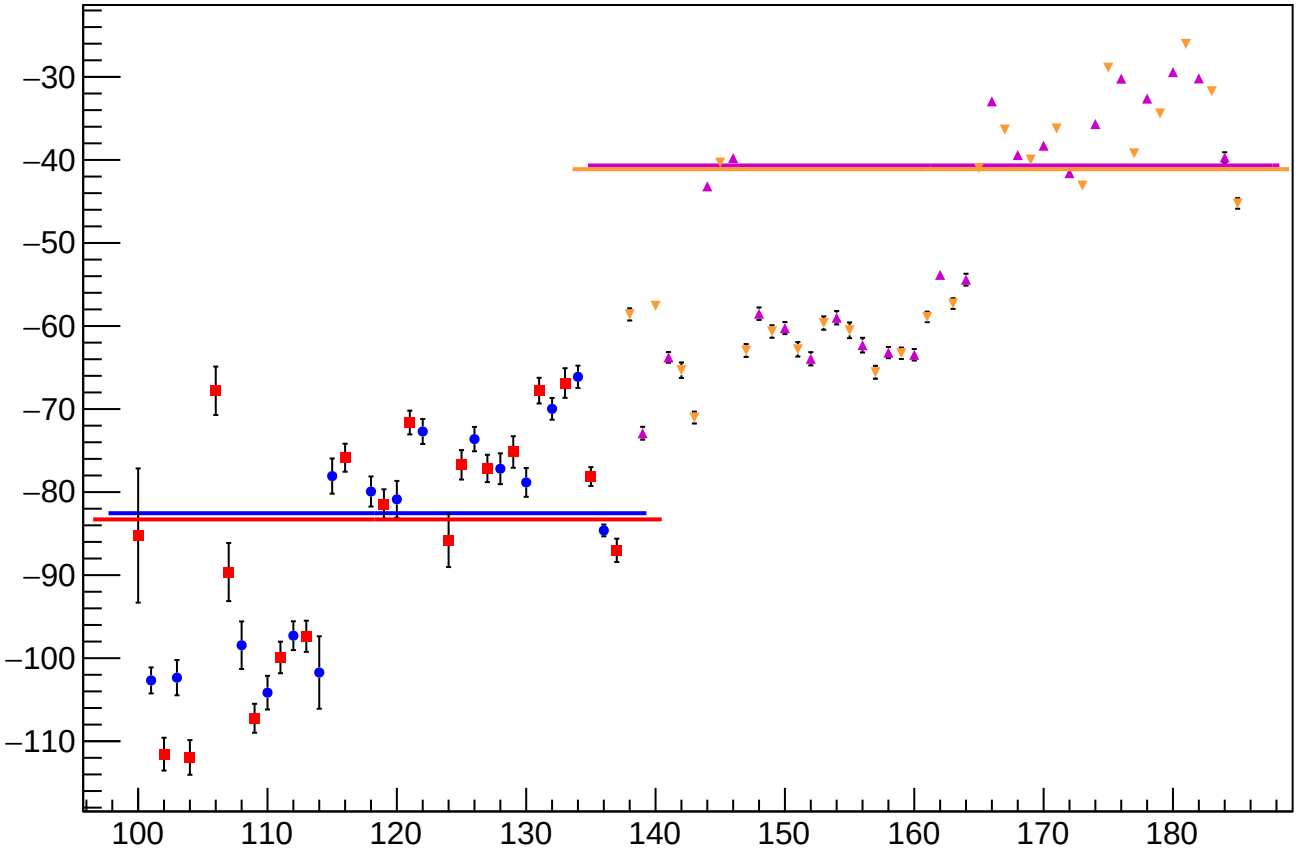
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.984+/-0.078 χ^2/NDF: 3671.2/40

All: 6.815+/-0.056 χ^2/NDF: 6989.2/82

- 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: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

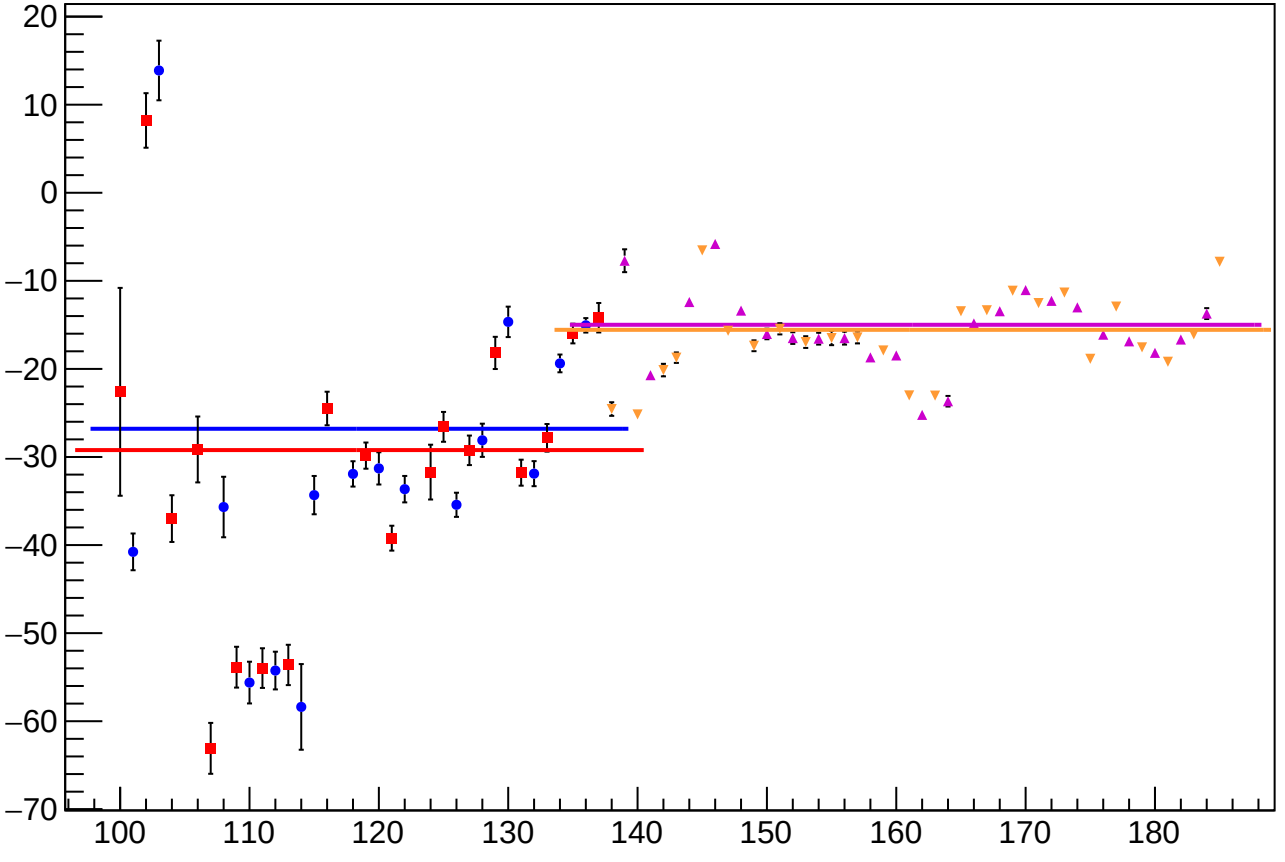
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.738+/-0.097 χ^2/NDF: 27724.7/40

All: -43.433+/-0.069 χ^2/NDF: 52358.6/82

- 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: -15.562+/-0.089 χ^2/NDF:2549.5/24

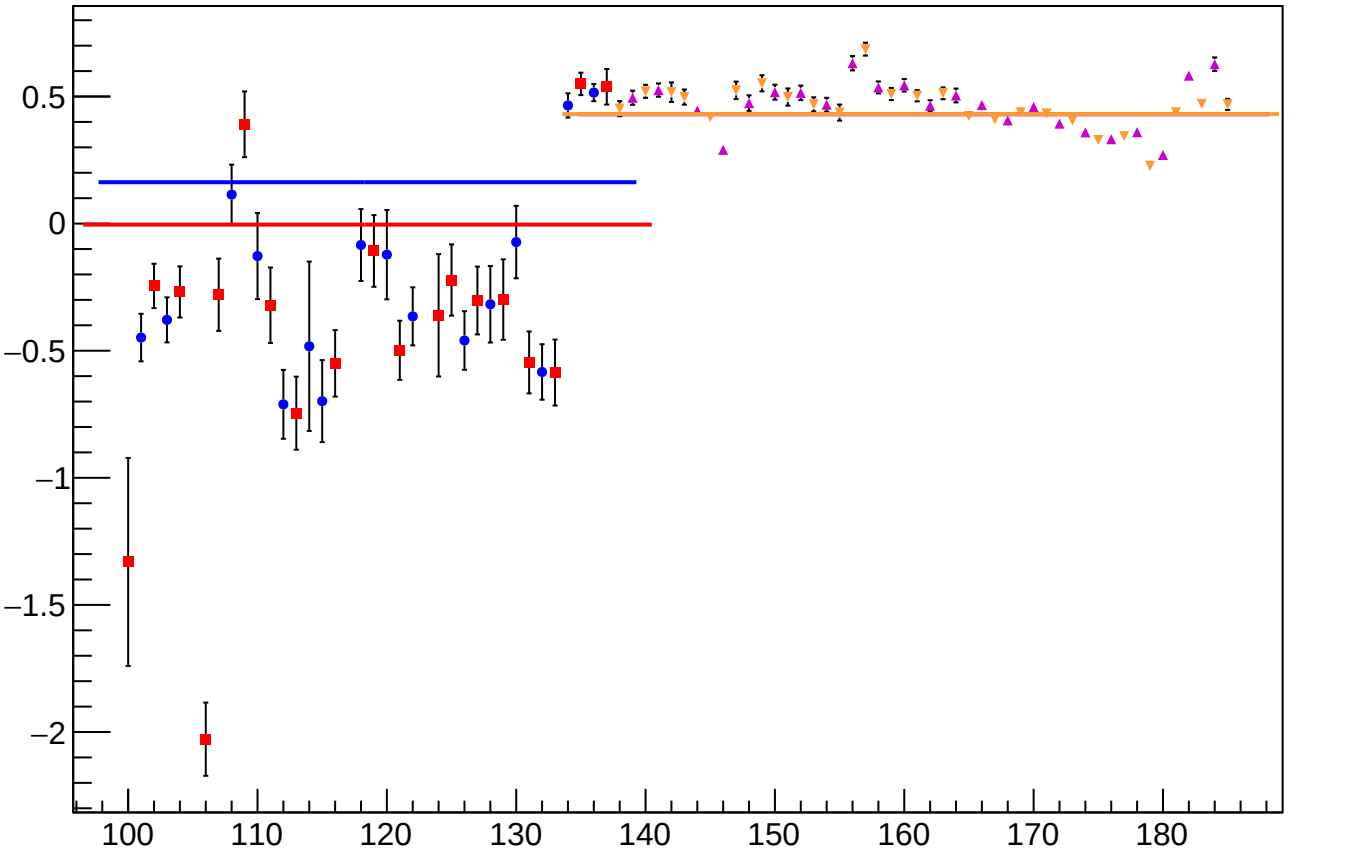
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.102+/-0.087 χ^2/NDF: 4280.6/40

All: -15.850+/-0.062 χ^2/NDF: 8452.7/82

- 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: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

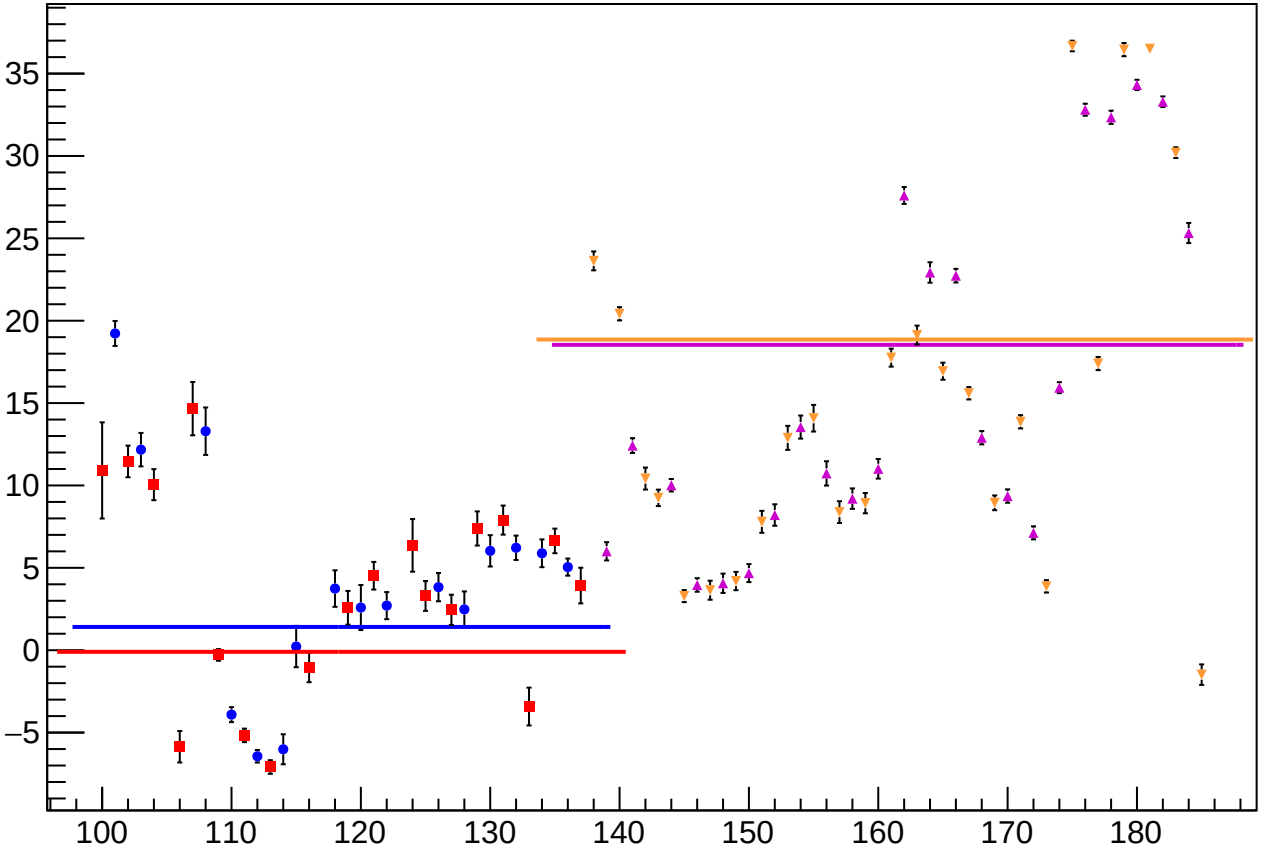
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.422+/-0.004 χ^2/NDF: 992.4/40

All: 0.420+/-0.003 χ^2/NDF: 2457.3/82

- 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: 18.858+/-0.090 χ^2/NDF:18374.1/24

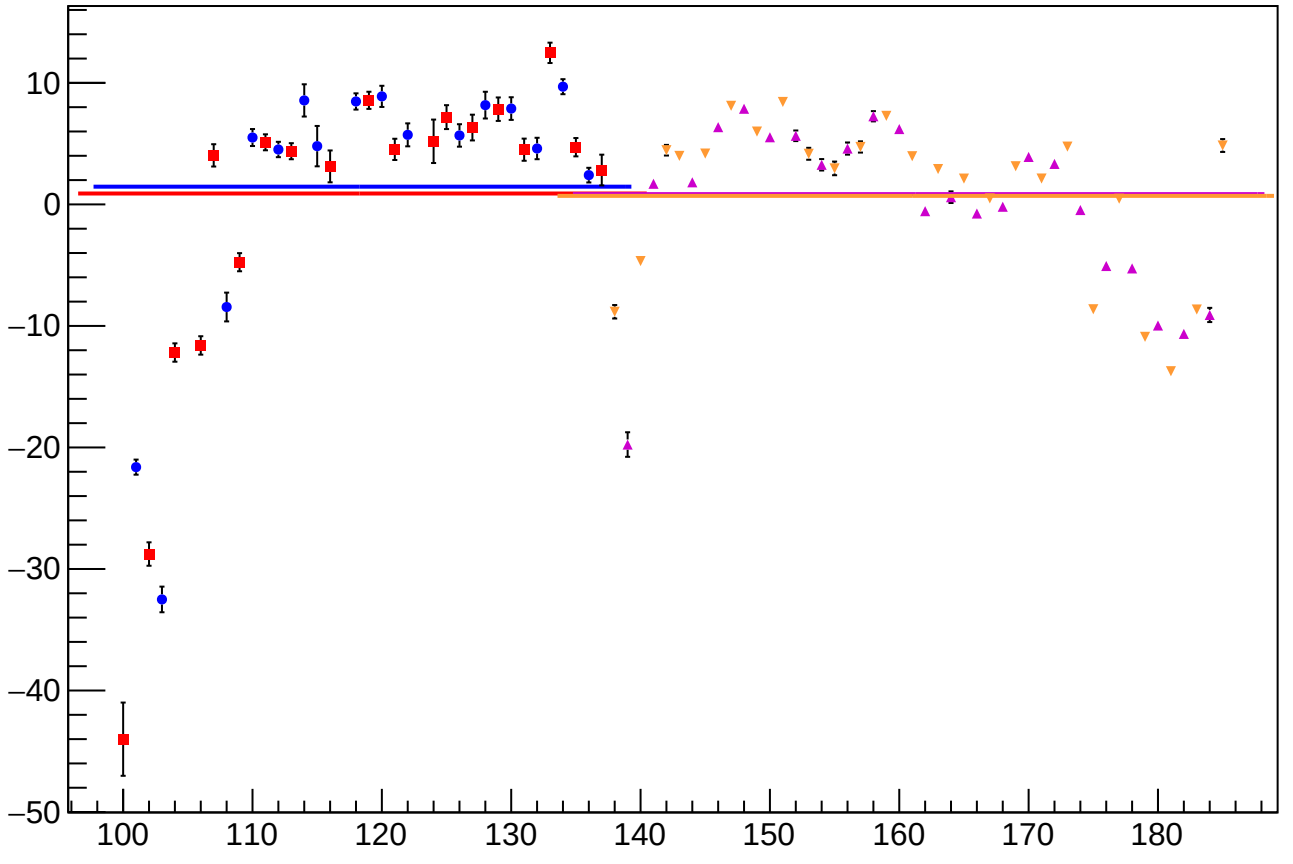
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.438+/-0.081 χ^2/NDF: 27195.2/40

All: 14.784+/-0.057 χ^2/NDF: 51996.0/82

- sign 14.124+/-0.081 χ^2/NDF: 24669.9/41



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

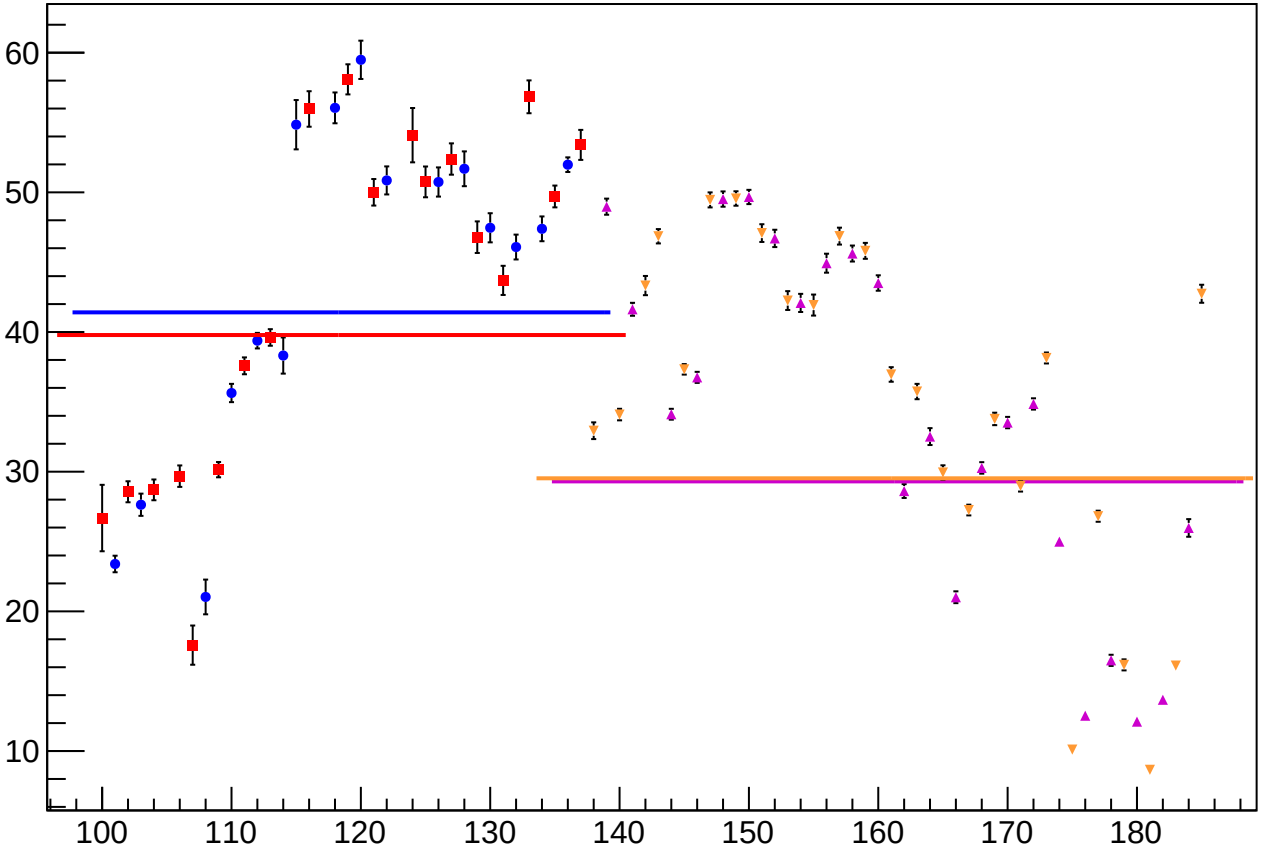
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.783+/-0.067 χ^2/NDF: 11330.4/40

All: 0.817+/-0.048 χ^2/NDF: 19753.5/82

- 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: 29.526+/-0.091 χ^2/NDF:21083.7/24

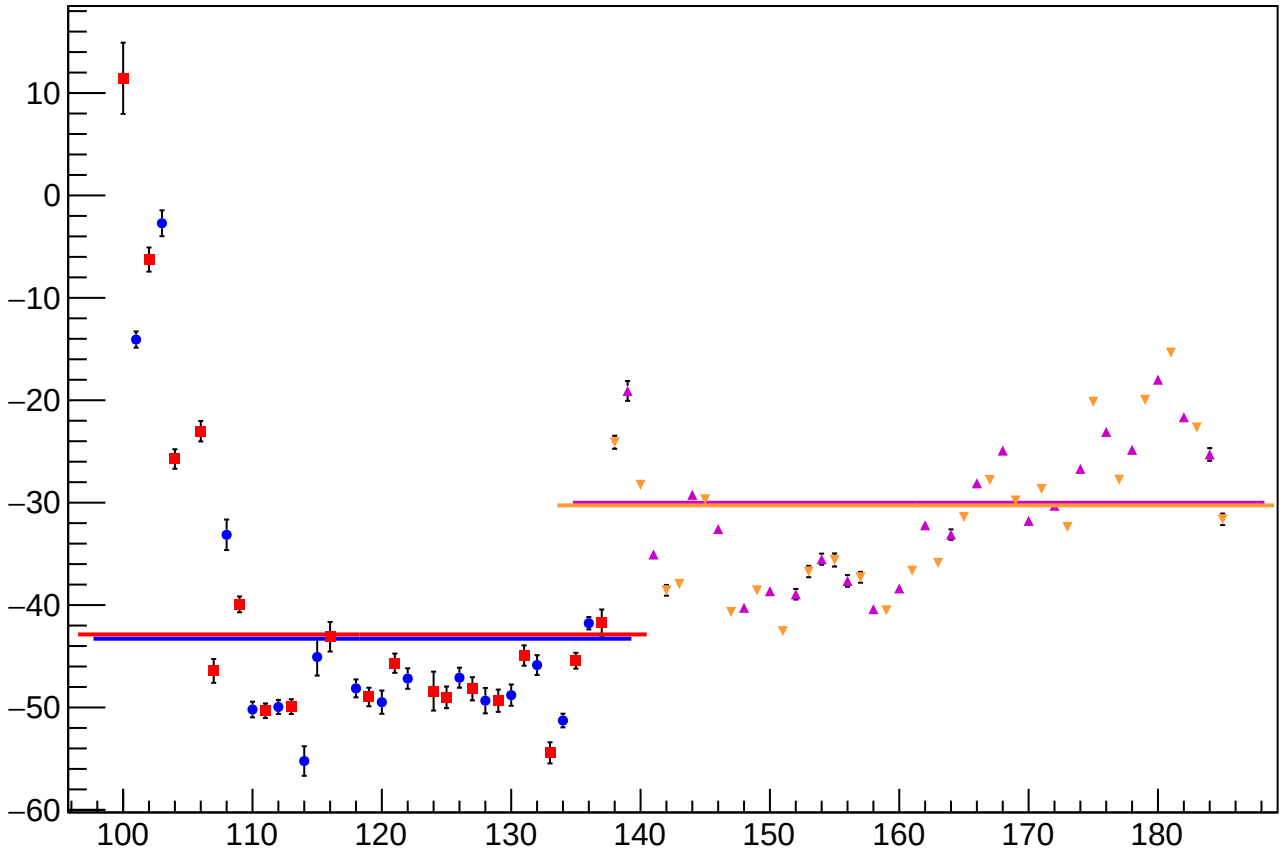
Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.380+/-0.083 χ^2/NDF: 26514.6/40

All: 31.256+/-0.059 χ^2/NDF: 49246.9/82

- sign 31.128+/-0.085 χ^2/NDF: 22727.7/41



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

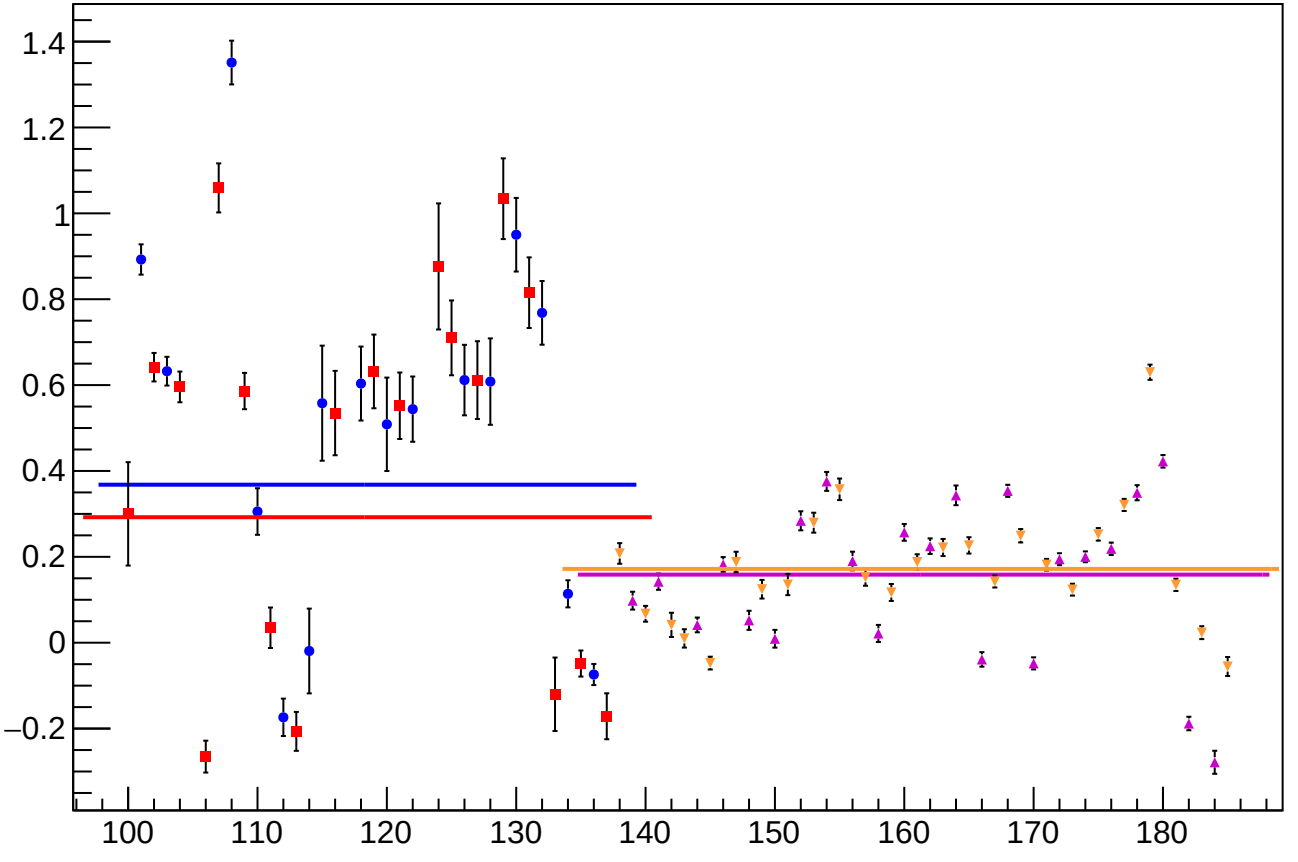
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.657+/-0.075 χ^2/NDF: 14363.5/40

All: -31.556+/-0.054 χ^2/NDF: 25702.4/82

- 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: 0.172+/-0.004 χ^2/NDF:1501.3/24

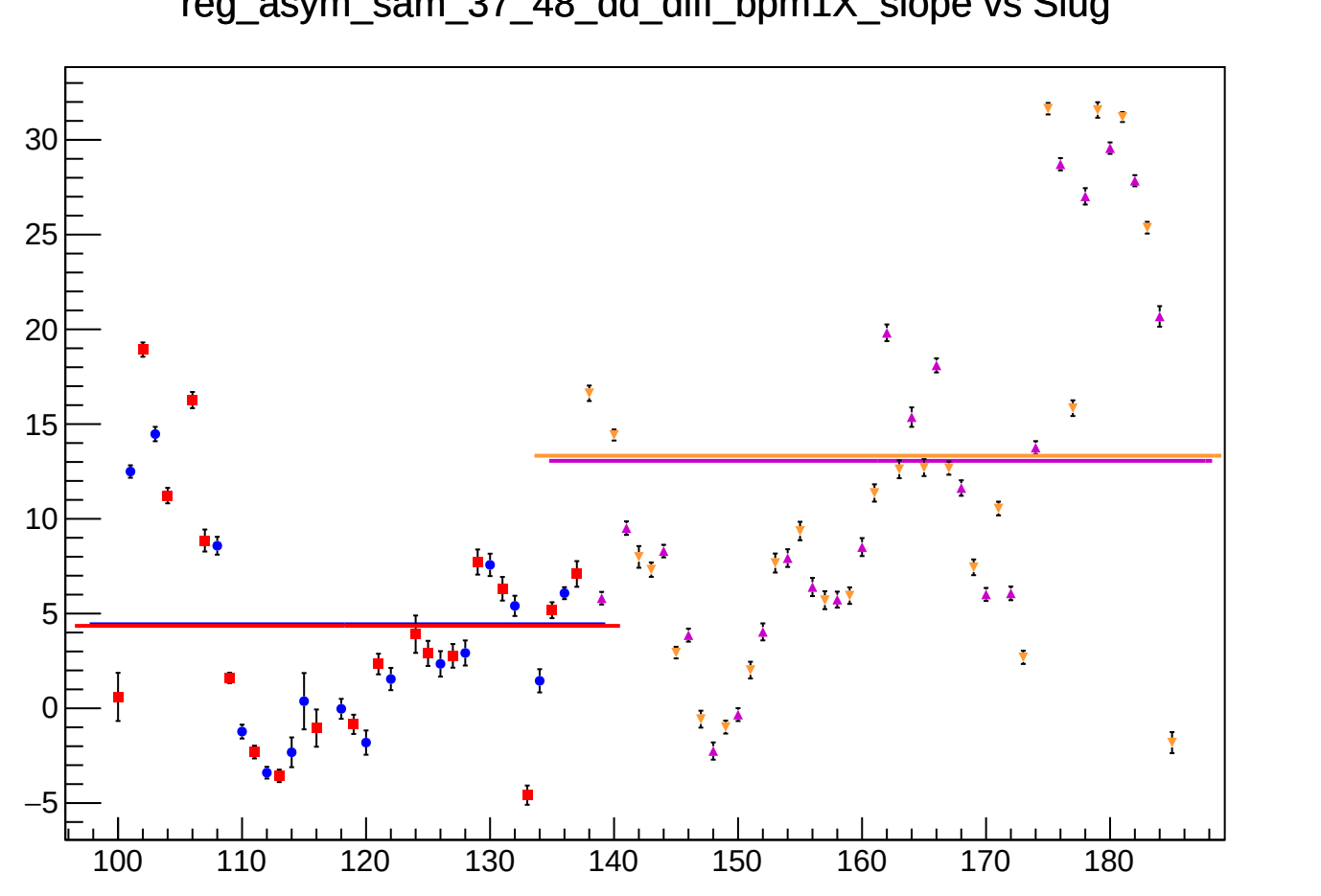
Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.187+/-0.003 χ^2/NDF: 3060.4/40

All: 0.179+/-0.002 χ^2/NDF: 6572.1/82

- 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: 13.331+/-0.077 χ^2/NDF:19432.7/24

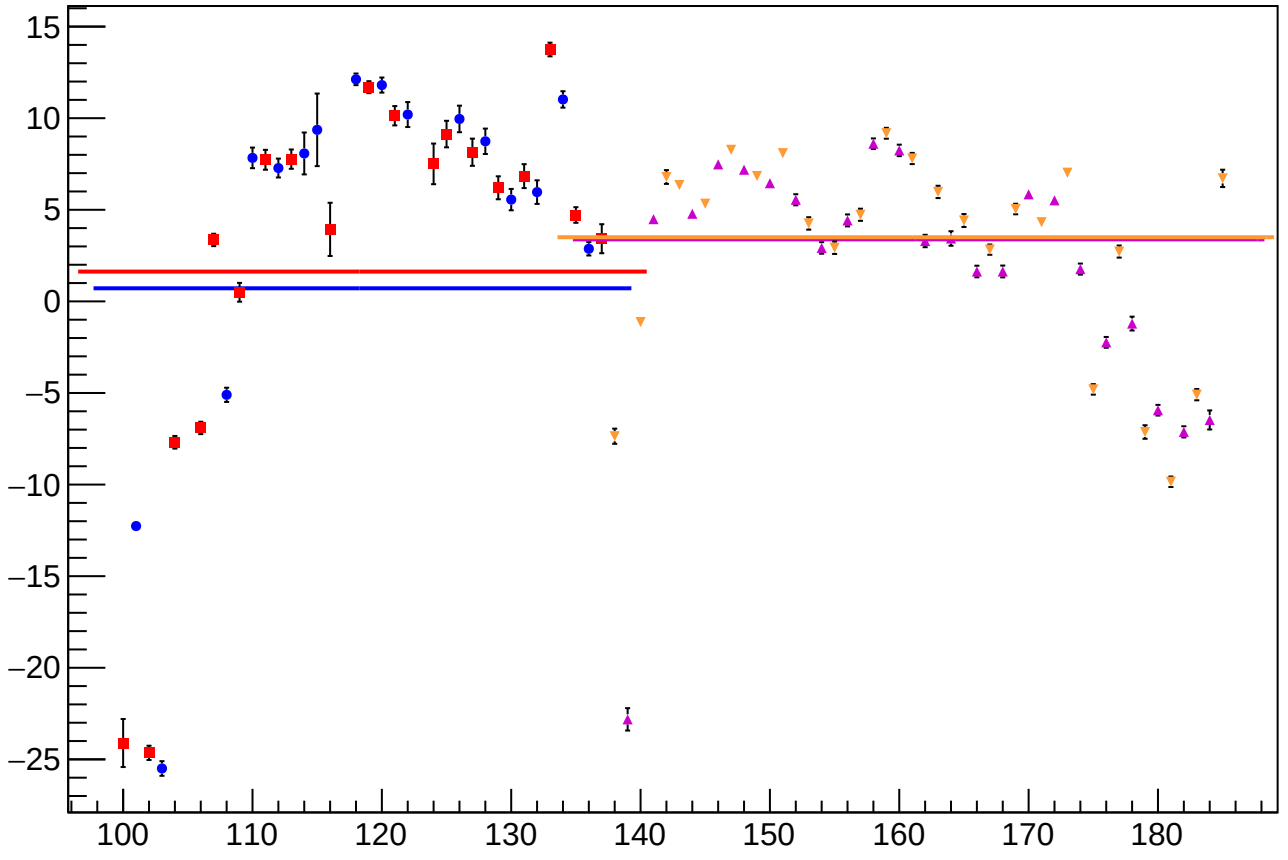
Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.652+/-0.064 χ^2/NDF: 26097.6/40

All: 10.350+/-0.045 χ^2/NDF: 50076.7/82

- sign 10.049+/-0.064 χ^2/NDF: 23934.8/41



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

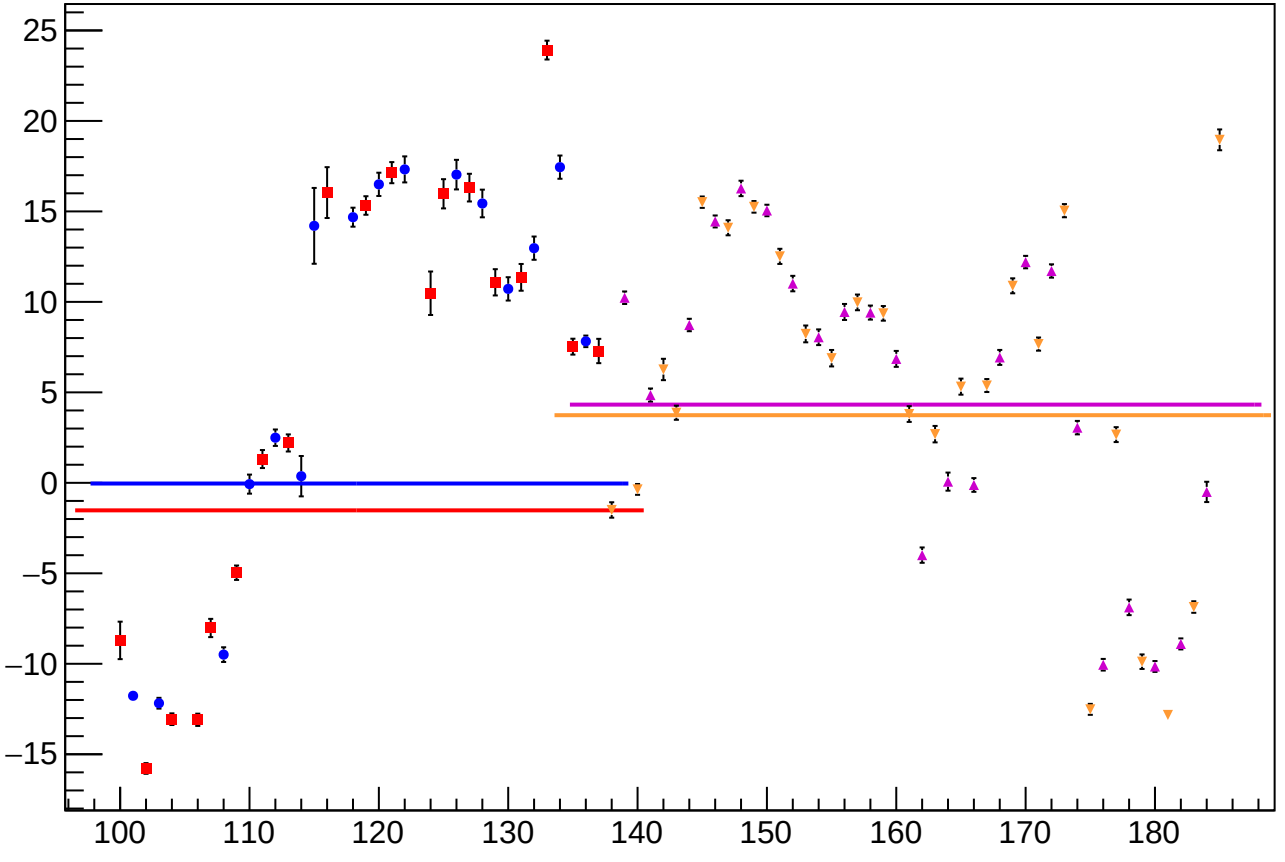
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.935+/-0.052 χ^2/NDF: 18826.2/40

All: 2.956+/-0.037 χ^2/NDF: 34982.3/82

- 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: 3.738+/-0.076 χ^2/NDF:15586.7/24

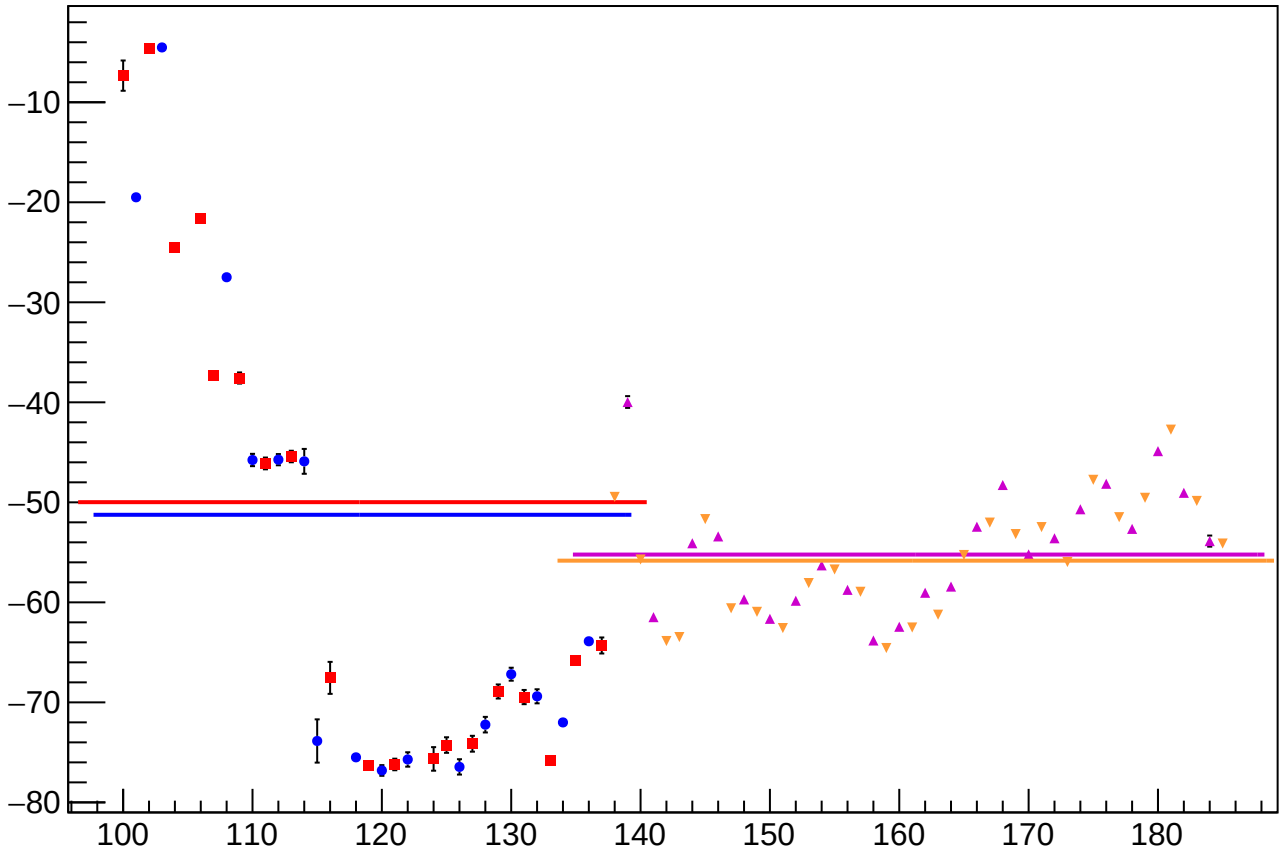
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 2.640+/-0.064 χ^2/NDF: 25570.9/40

All: 2.553+/-0.046 χ^2/NDF: 51946.1/82

- sign 2.463+/-0.065 χ^2/NDF: 26371.5/41



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

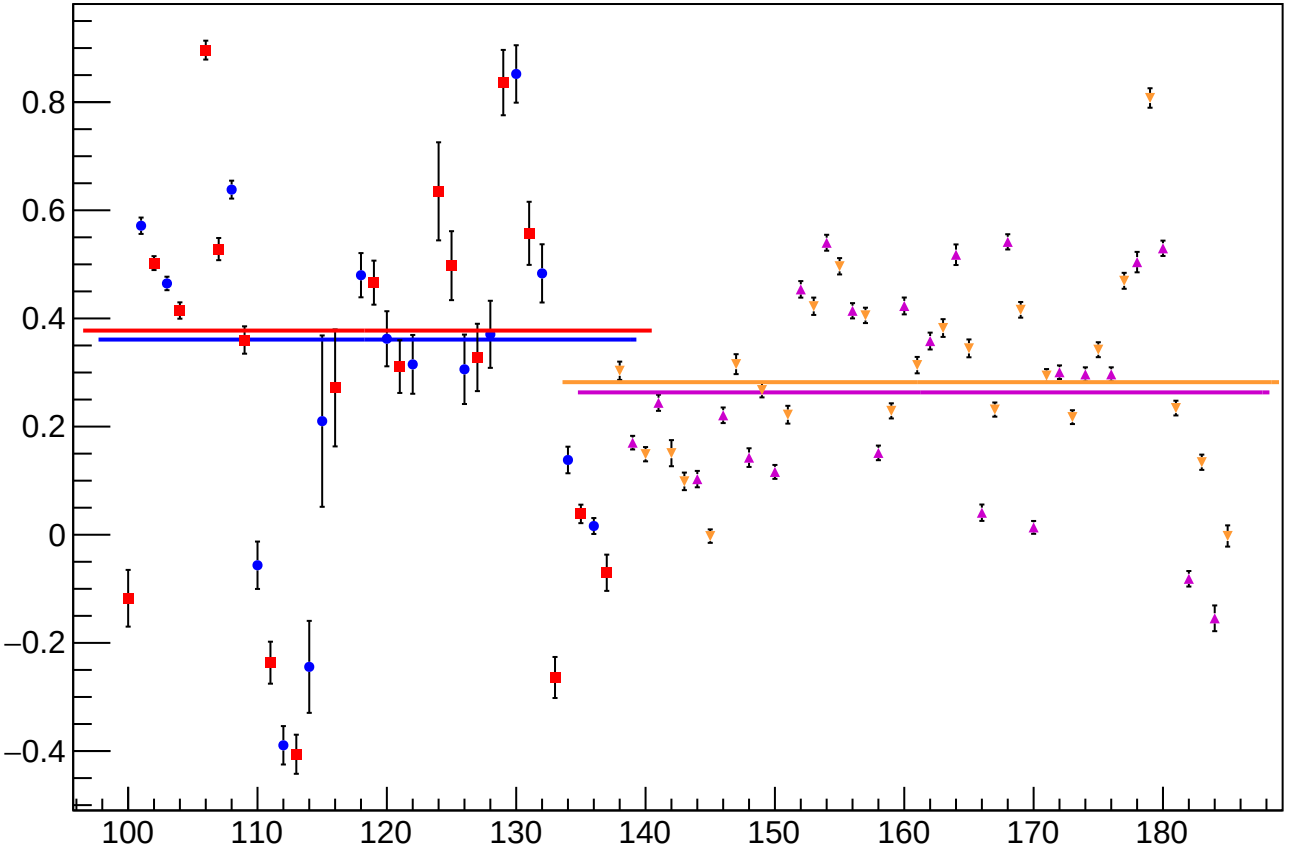
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.948+/-0.060 χ^2/NDF: 42278.8/40

All: -54.526+/-0.043 χ^2/NDF: 83875.6/82

- 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: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

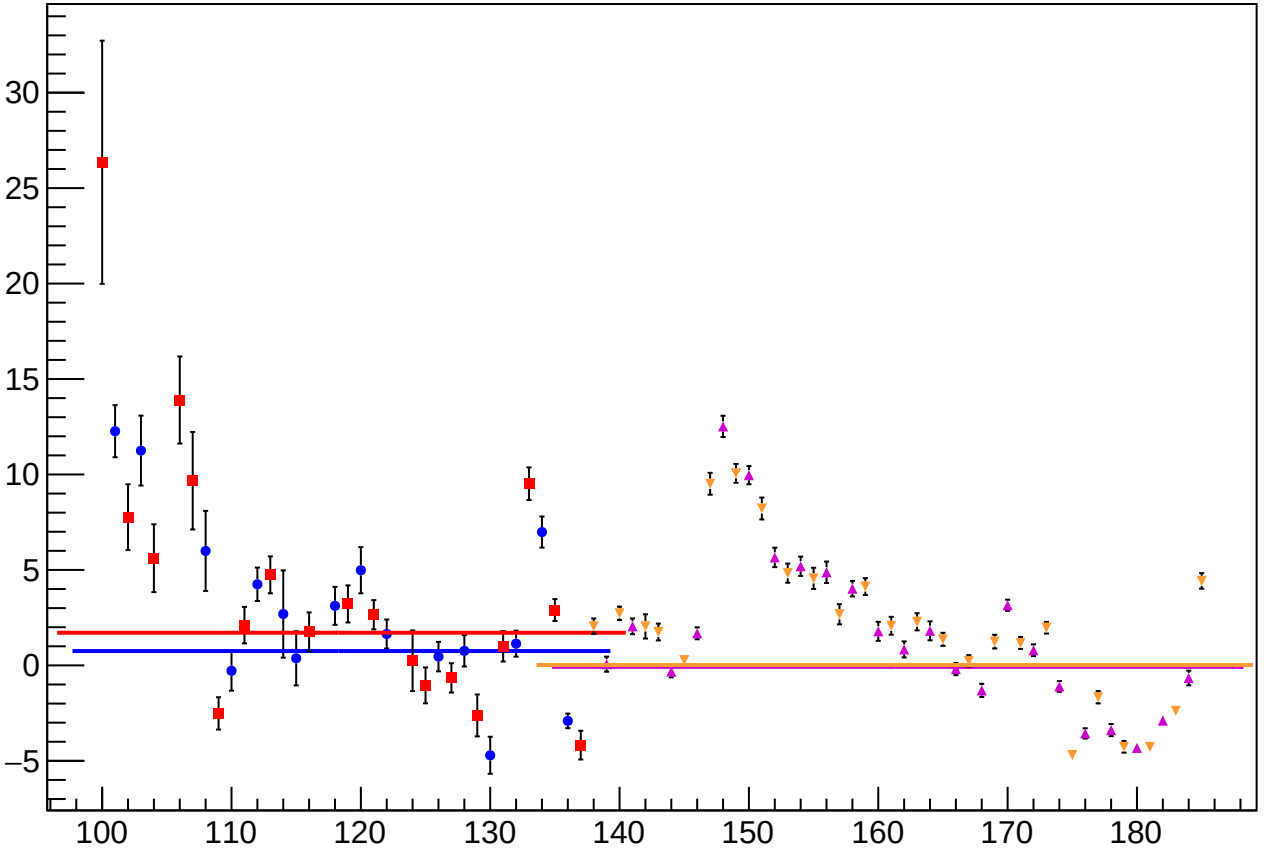
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

\+ sign 0.296+/-0.003 χ^2/NDF: 4698.1/40

All: 0.291+/-0.002 χ^2/NDF: 11612.5/82

\- 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: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

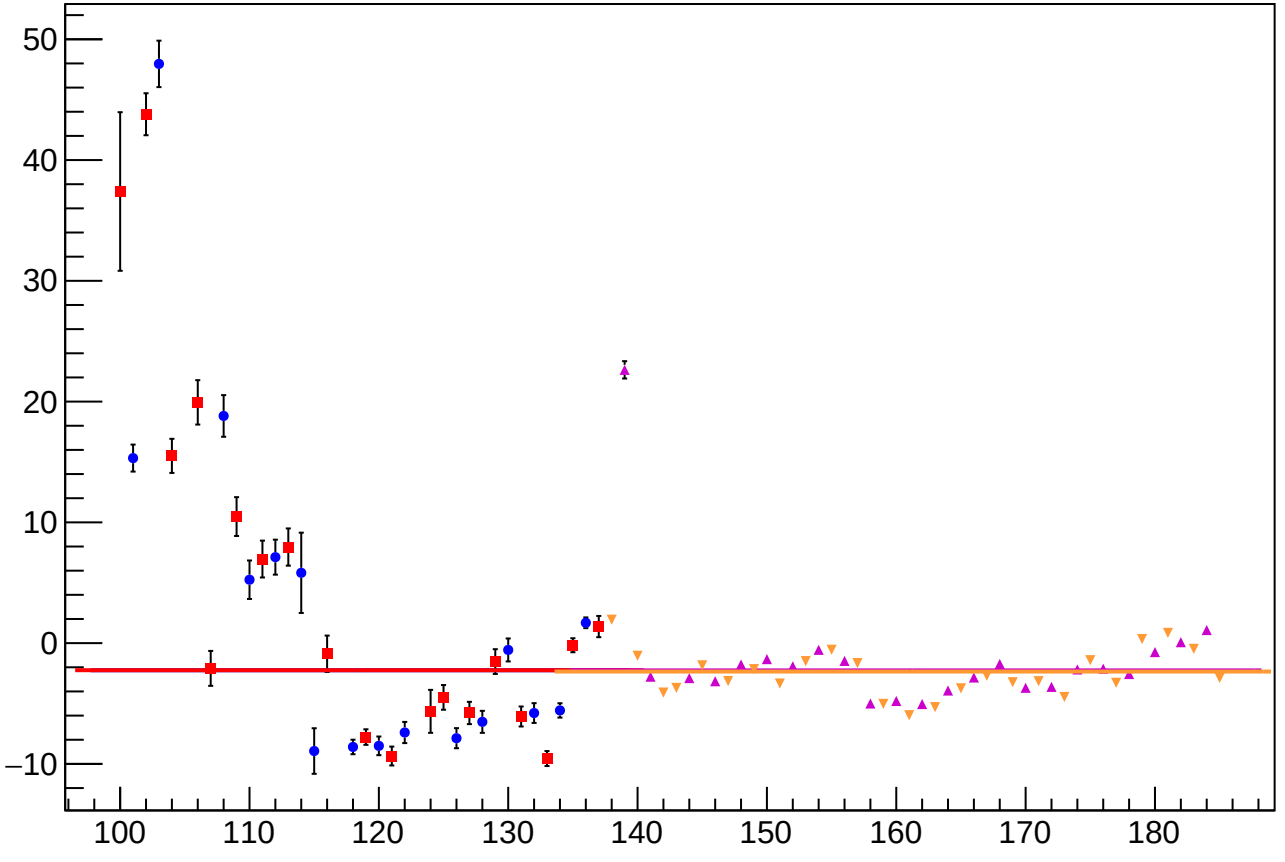
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

\+ sign 0.091+/-0.065 χ^2/NDF: 3100.1/40

All: 0.087+/-0.047 χ^2/NDF: 5917.1/82

\- 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: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

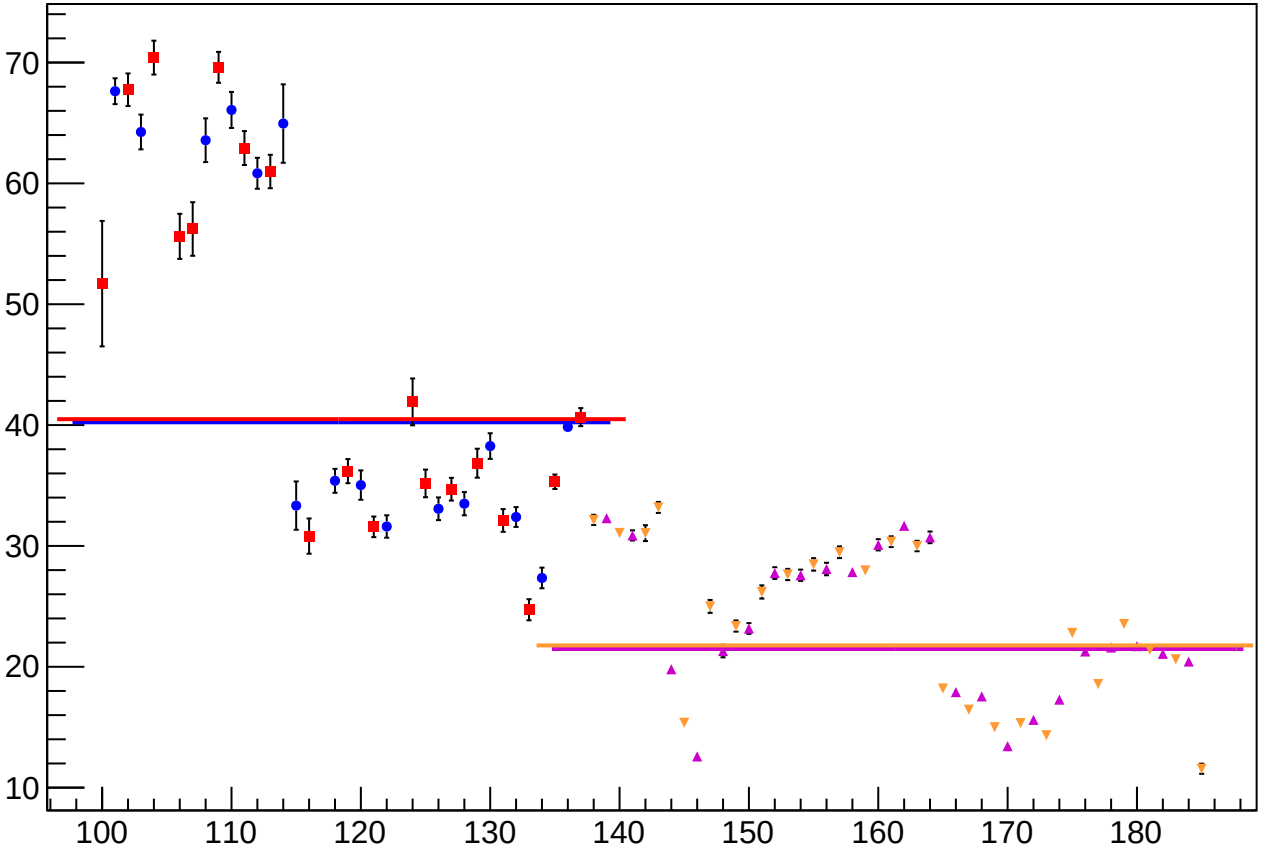
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.346+/-0.053 χ^2/NDF: 2698.4/40

All: -2.302+/-0.038 χ^2/NDF: 6132.7/82

- 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: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

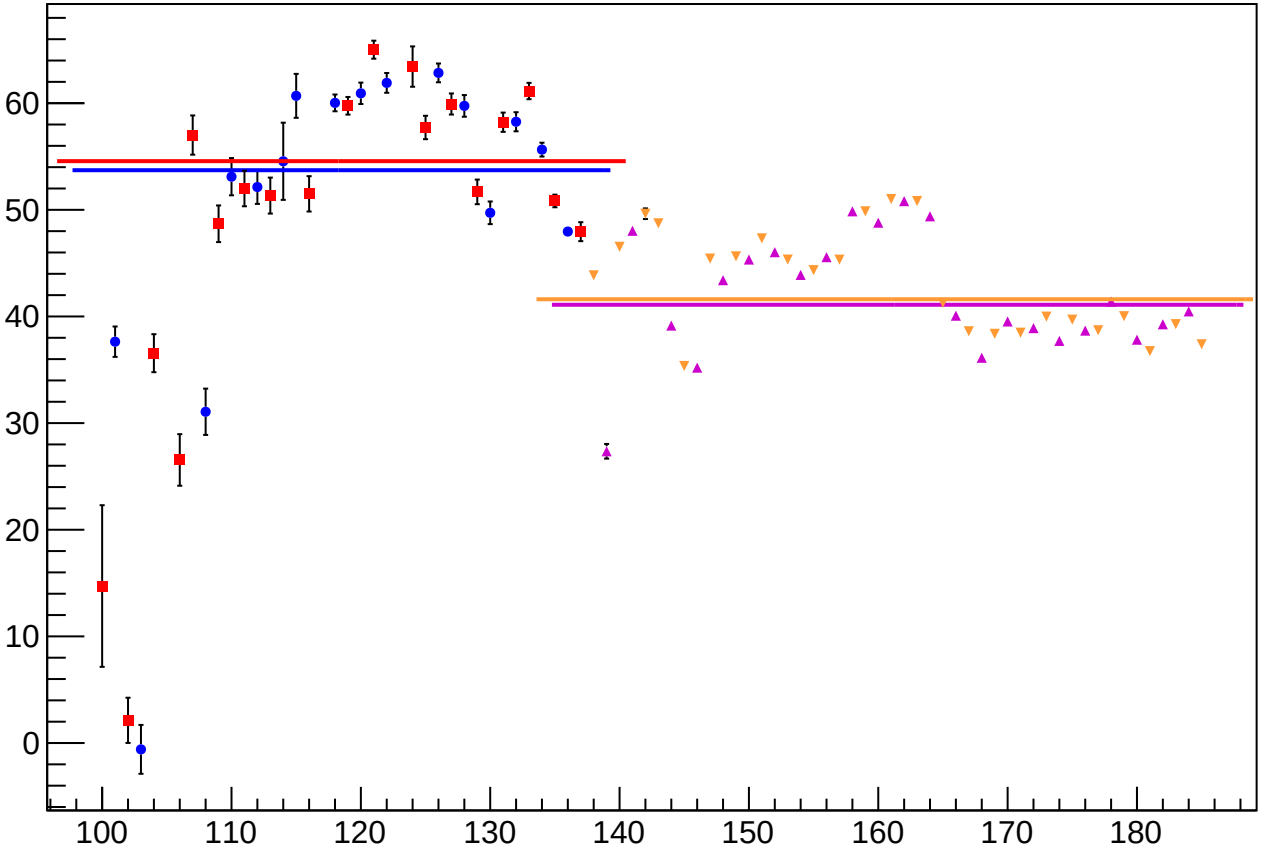
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

\+ sign 23.270+/-0.066 χ^2/NDF: 14952.5/40

All: 23.077+/-0.047 χ^2/NDF: 28797.8/82

\- sign 22.873+/-0.068 χ^2/NDF: 13827.7/41

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

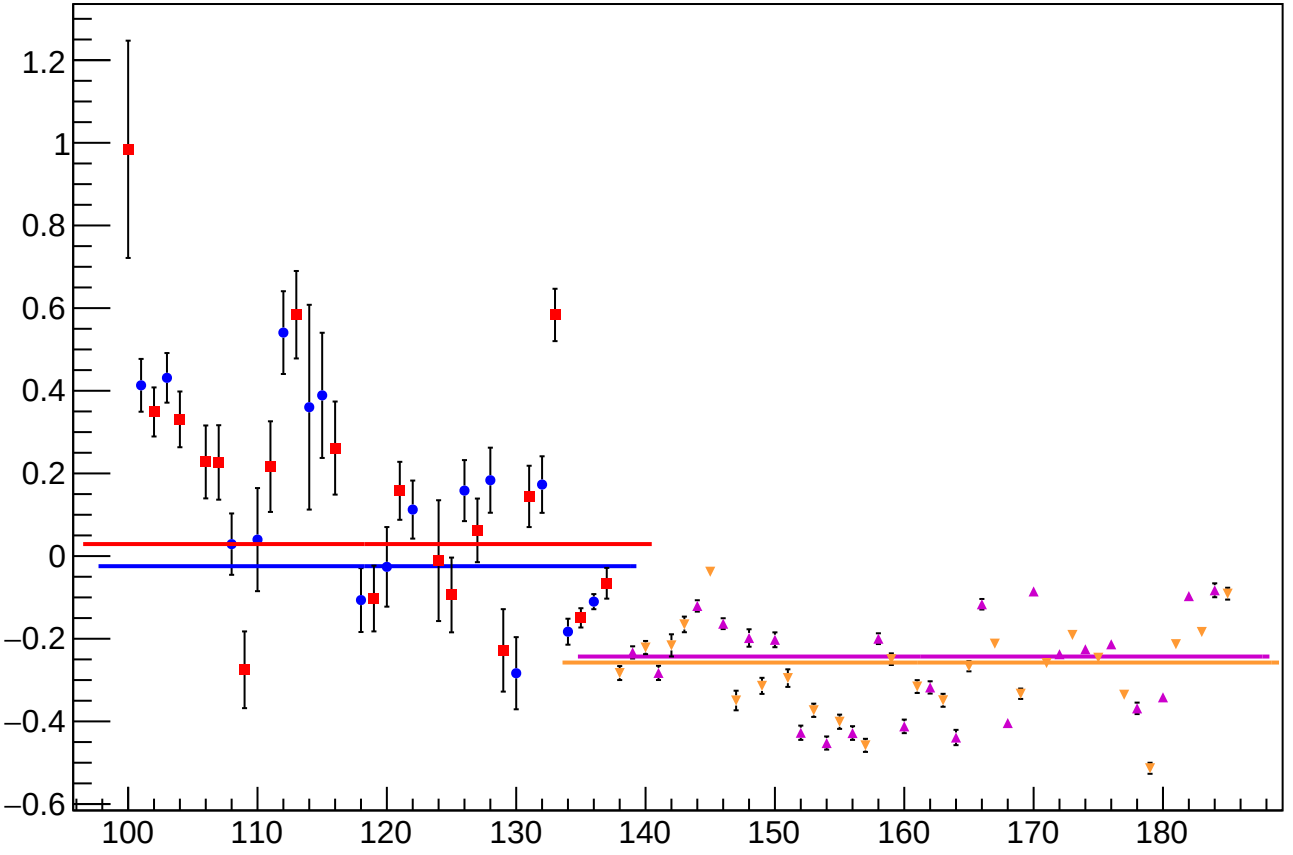
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.359+/-0.059 χ^2/NDF: 9544.5/40

All: 42.115+/-0.042 χ^2/NDF: 19008.3/82

- 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: -0.258+/-0.003 χ^2/NDF:1515.1/24

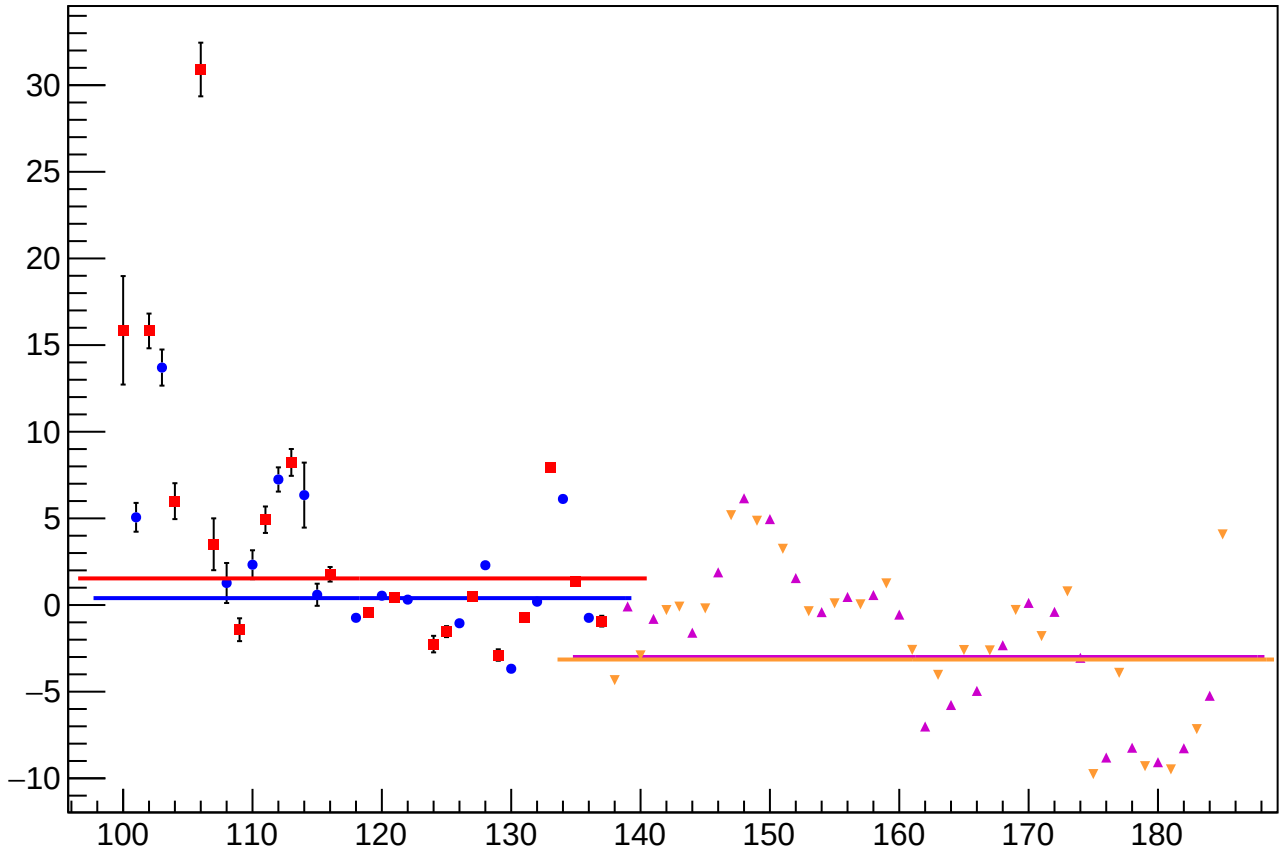
Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.248+/-0.003 χ^2/NDF: 2062.1/40

All: -0.241+/-0.002 χ^2/NDF: 4516.2/82

- sign -0.233+/-0.003 χ^2/NDF: 2439.7/41



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

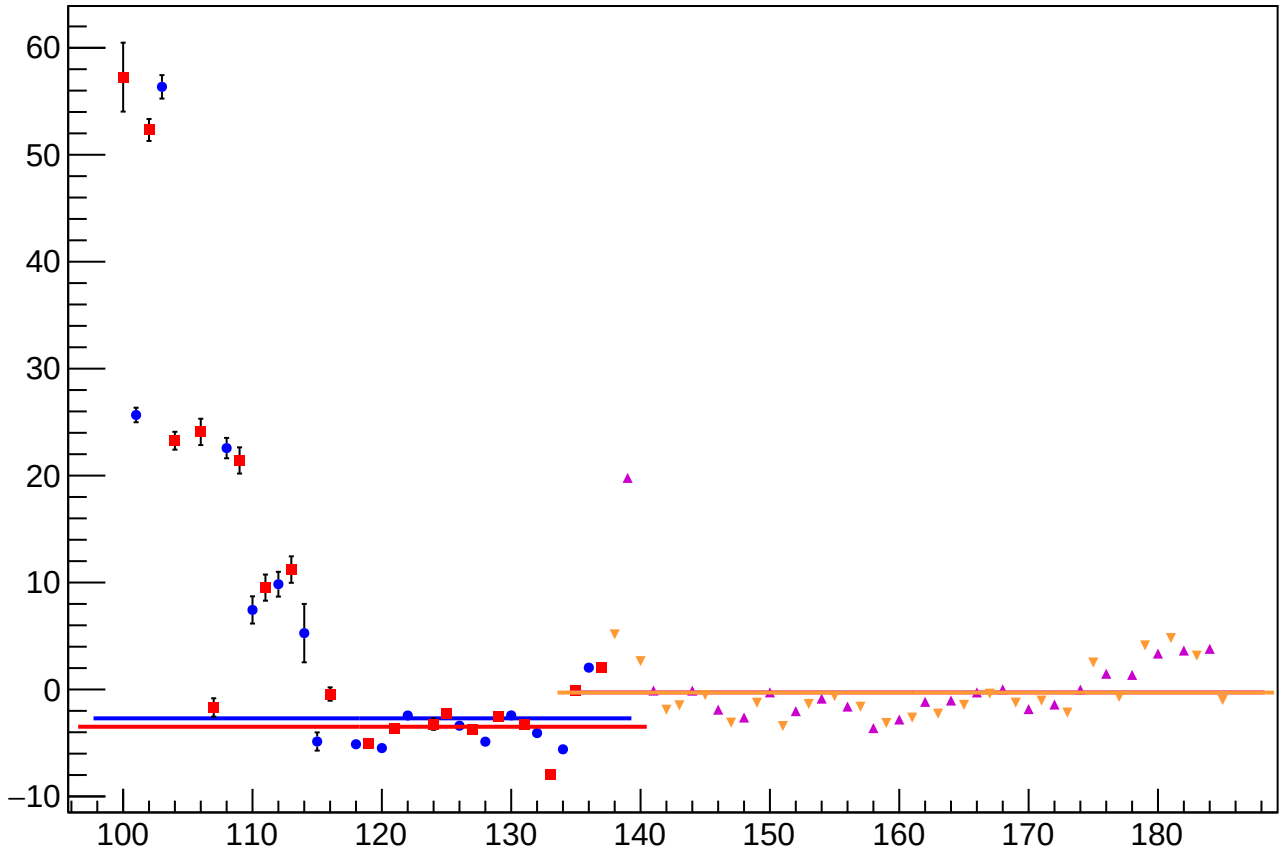
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.738+/-0.026 χ^2/NDF: 28326.6/40

All: -2.607+/-0.019 χ^2/NDF: 56186.2/82

- sign -2.468+/-0.027 χ^2/NDF: 27807.4/41



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

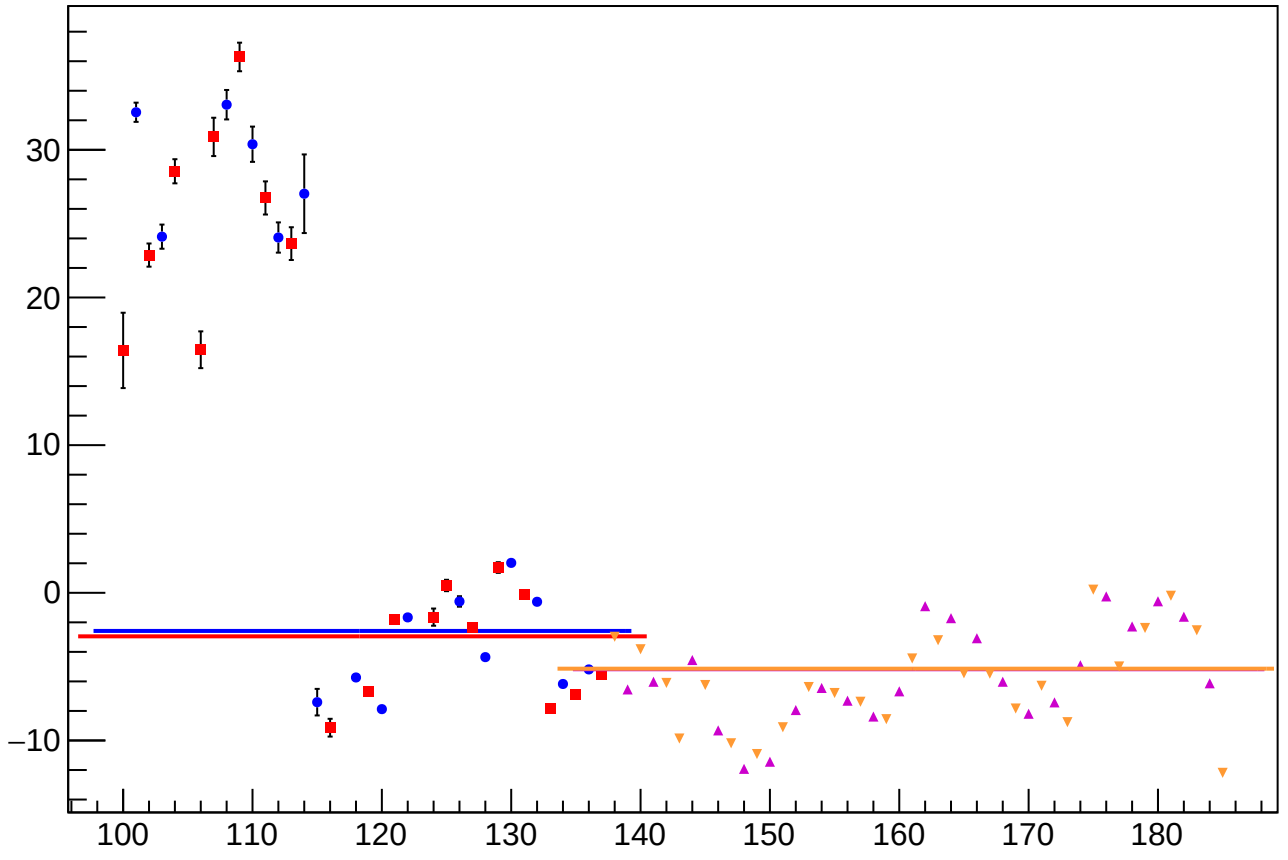
Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.497+/-0.021 χ^2/NDF: 20363.1/40

All: -0.528+/-0.015 χ^2/NDF: 42621.2/82

- sign -0.561+/-0.021 χ^2/NDF: 22253.5/41



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

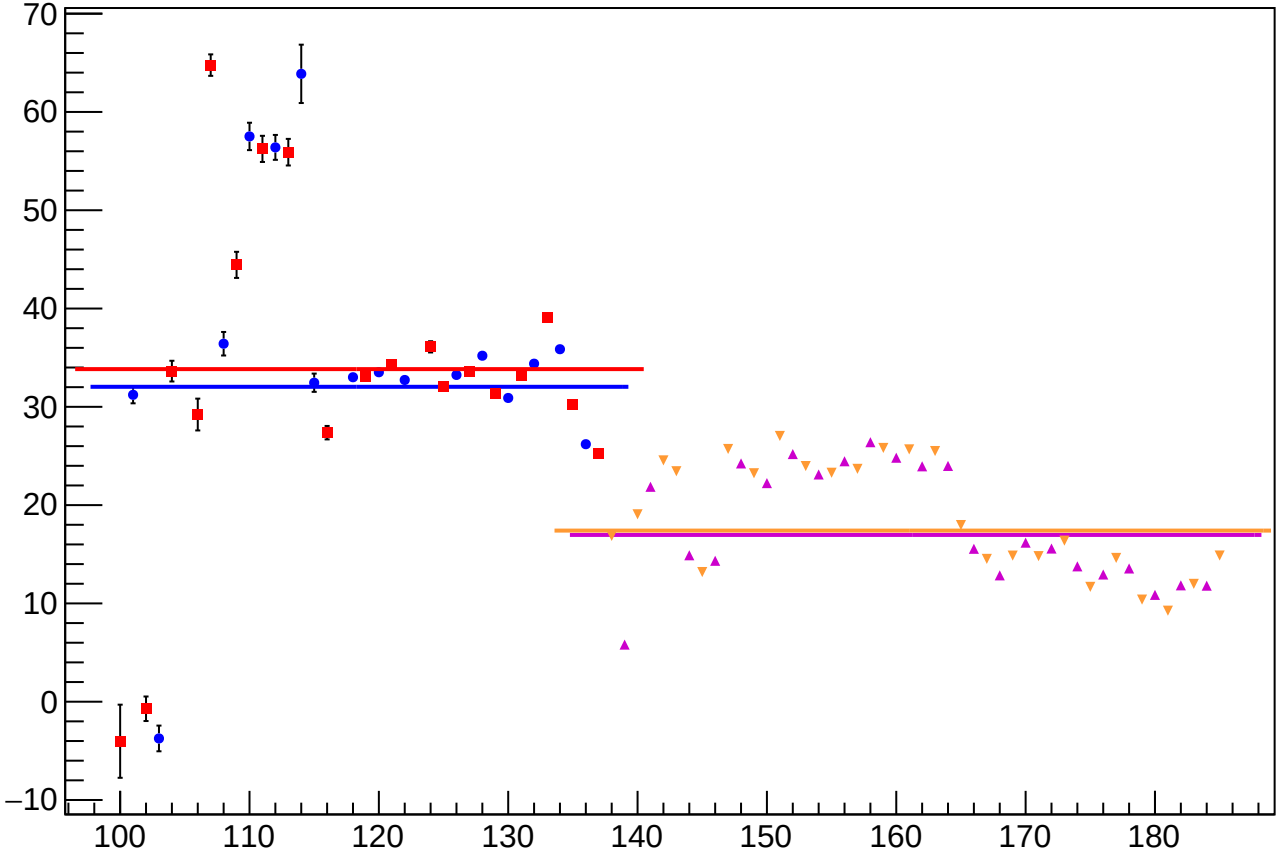
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.881+/-0.026 χ^2/NDF: 23637.1/40

All: -4.916+/-0.019 χ^2/NDF: 46420.2/82

- 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: 17.409+/-0.024 χ^2/NDF:50630.8/24

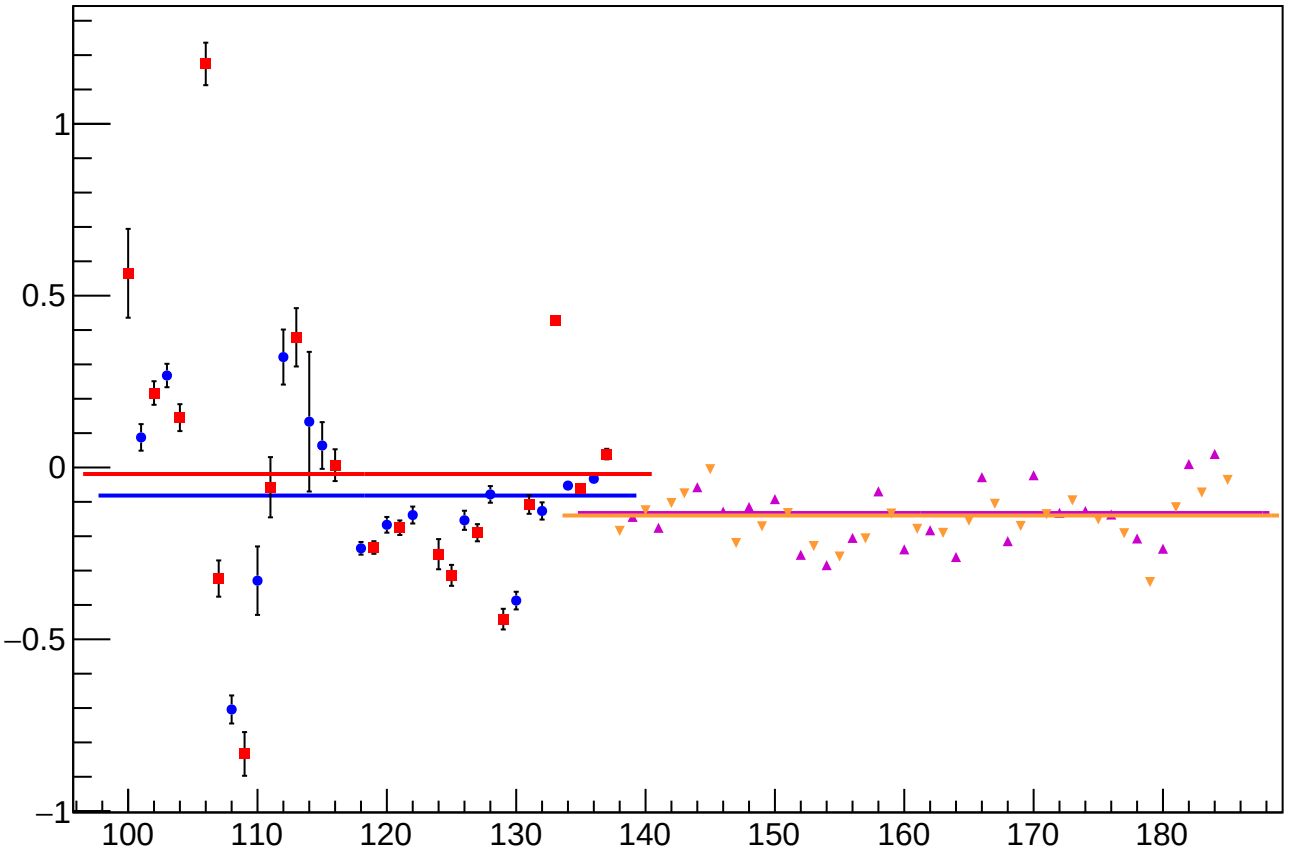
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.623+/-0.023 χ^2/NDF: 83587.2/40

All: 18.521+/-0.017 χ^2/NDF: 166857.7/82

- sign 18.415+/-0.024 χ^2/NDF: 83232.1/41



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

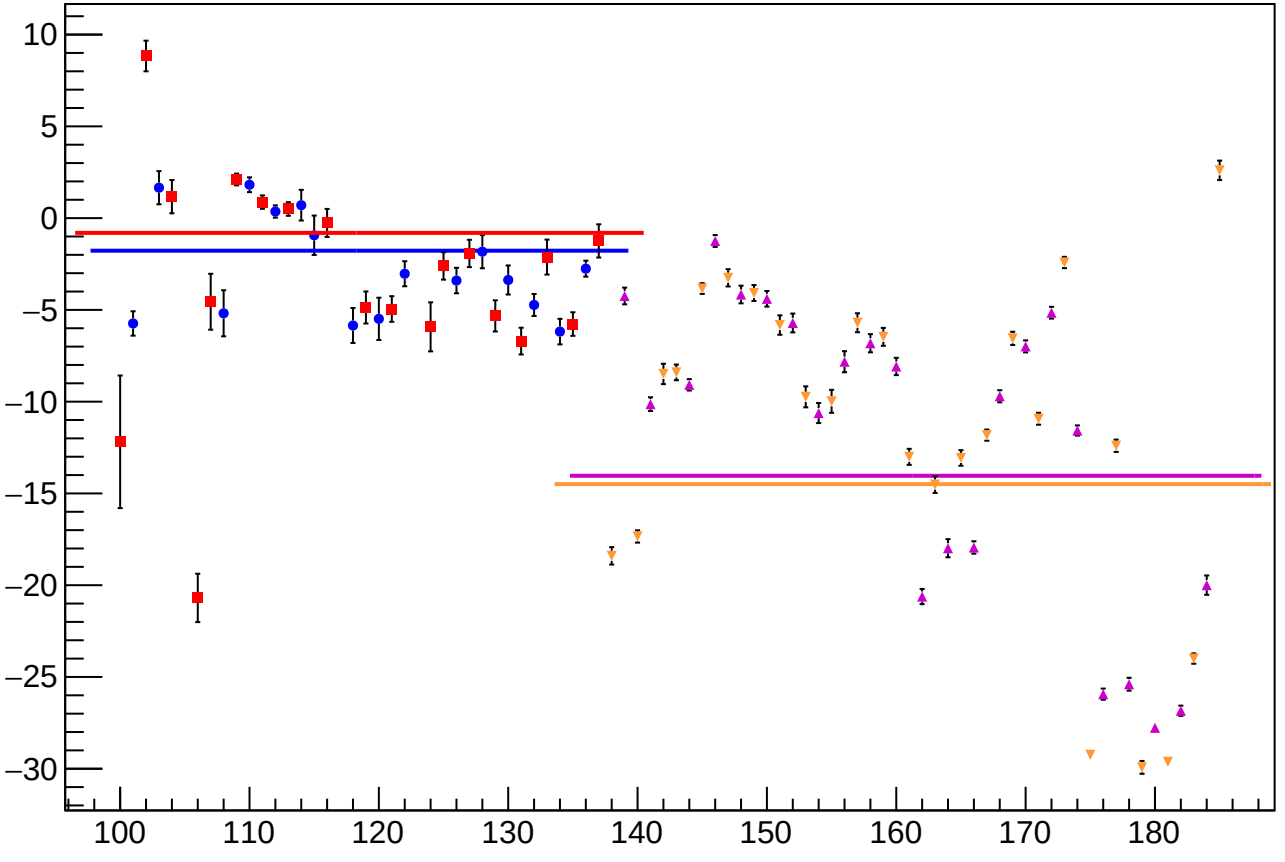
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.137+/-0.001 χ^2/NDF: 4934.7/40

All: -0.132+/-0.001 χ^2/NDF: 13231.6/82

- 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: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

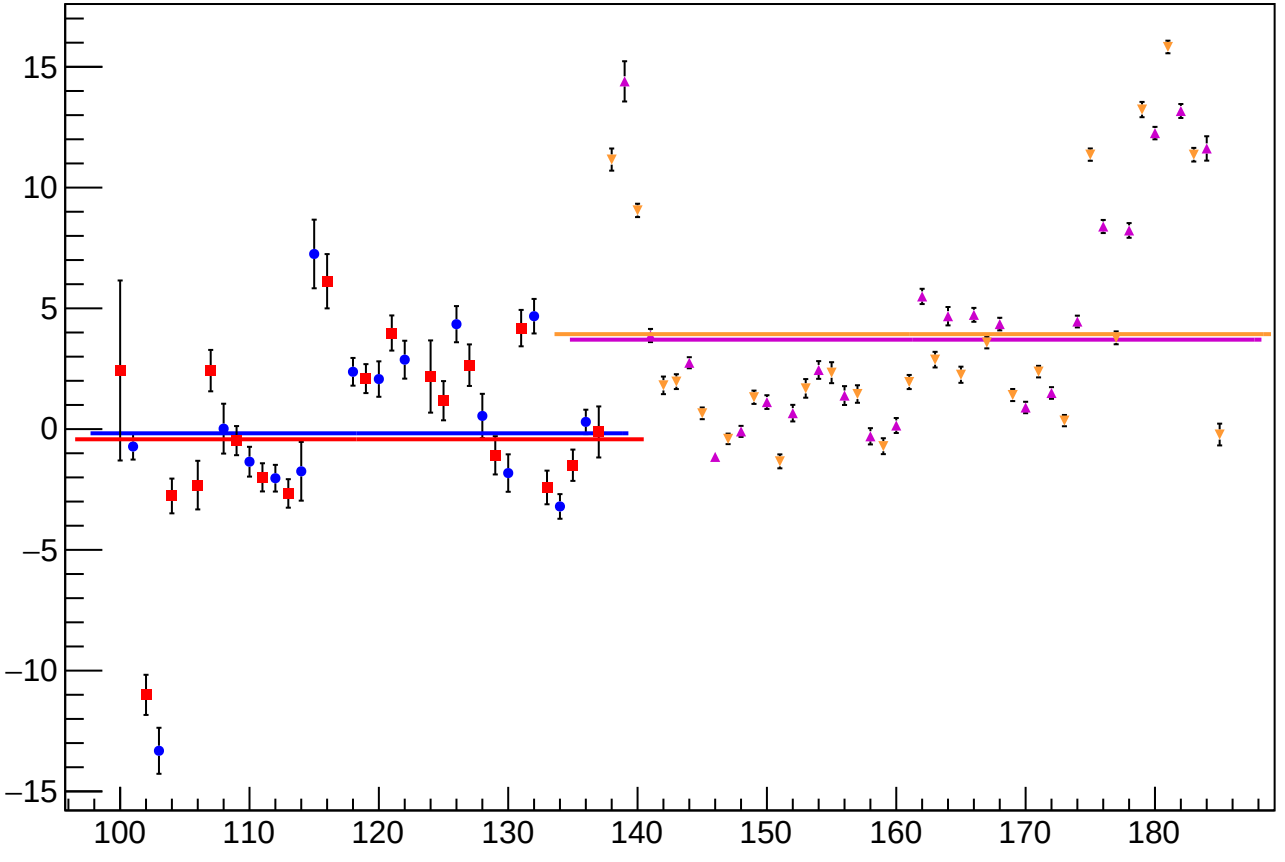
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.146+/-0.068 χ^2/NDF: 22873.2/40

All: -11.697+/-0.048 χ^2/NDF: 43457.0/82

- sign -11.239+/-0.068 χ^2/NDF: 20494.5/41

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

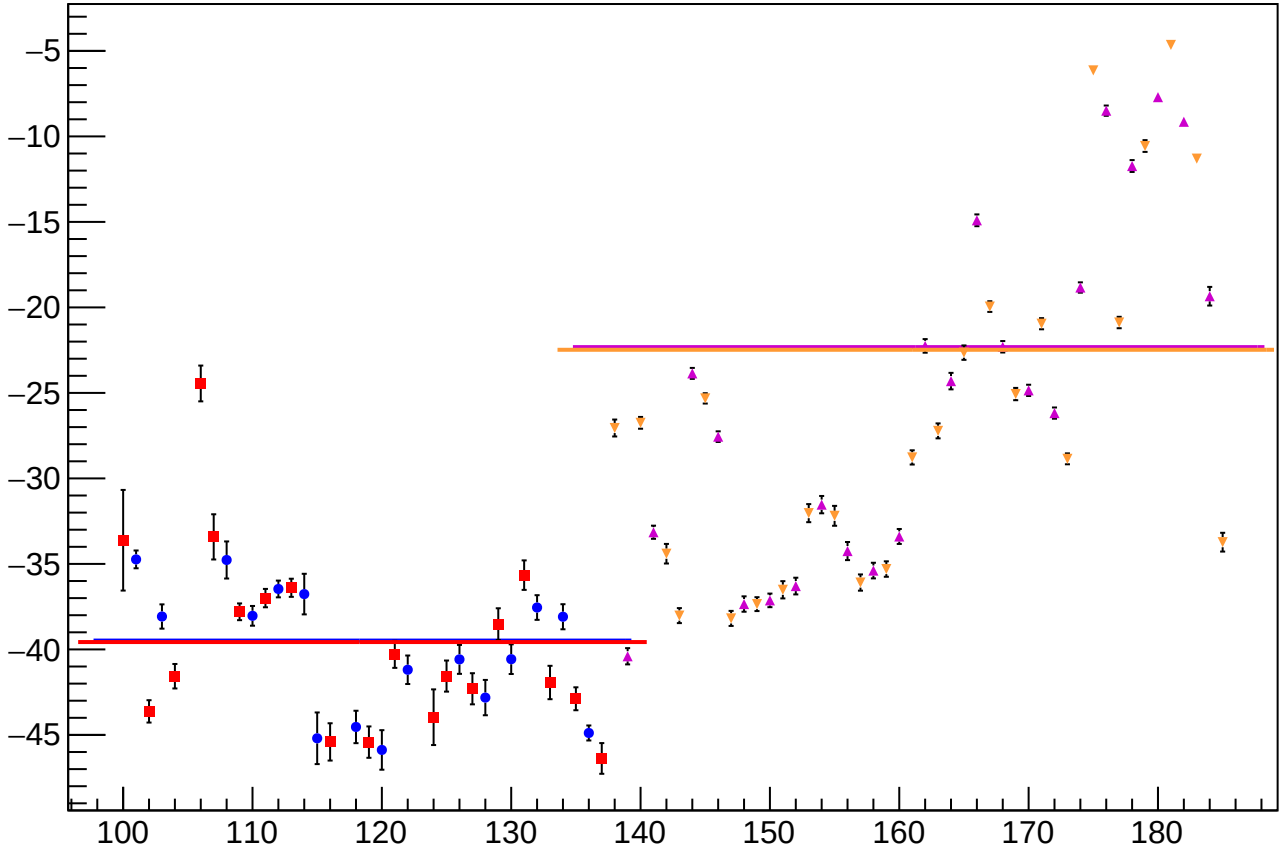
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.518+/-0.055 χ^2/NDF: 7888.8/40

All: 3.406+/-0.039 χ^2/NDF: 13539.3/82

- sign 3.288+/-0.056 χ^2/NDF: 5641.9/41

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

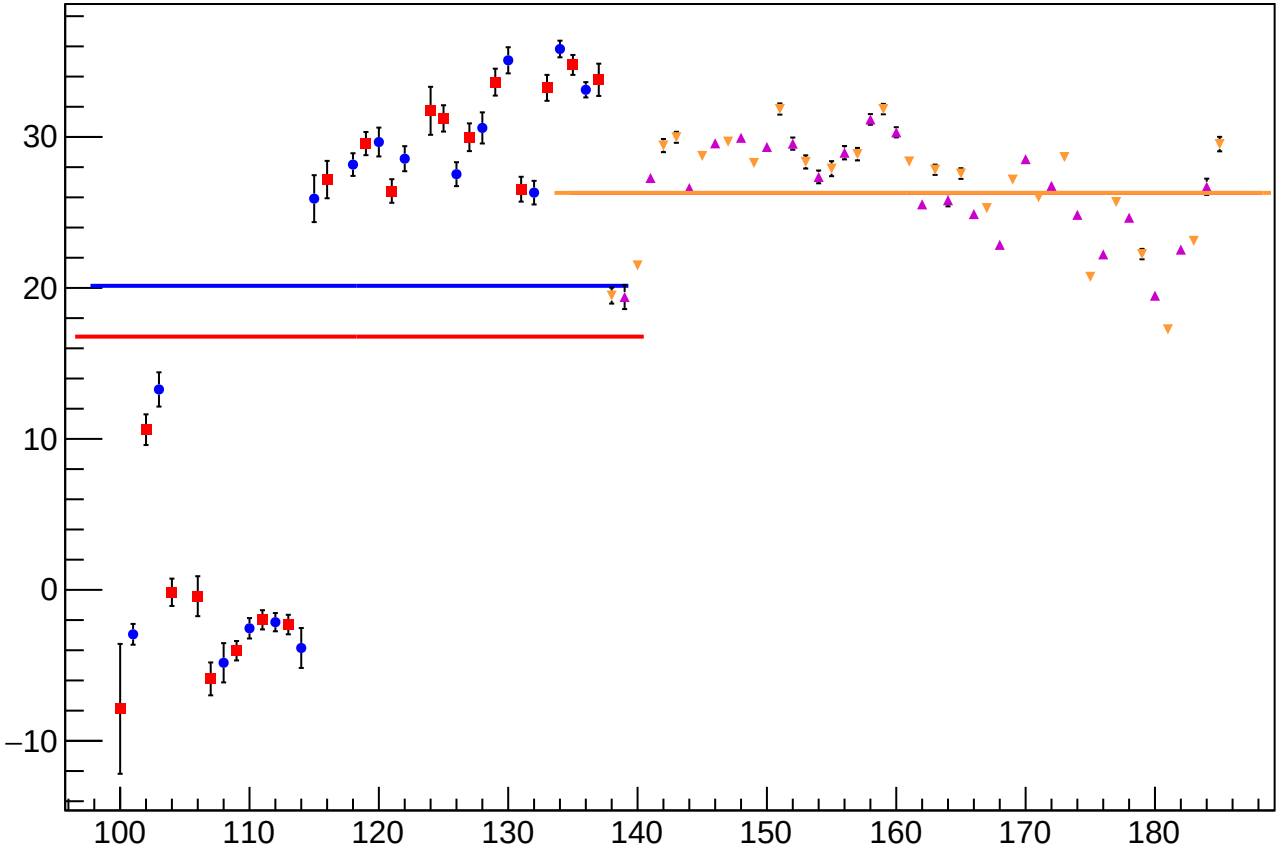
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -24.976+/-0.069 χ^2/NDF: 28422.5/40

All: -24.959+/-0.049 χ^2/NDF: 53813.0/82

- 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: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

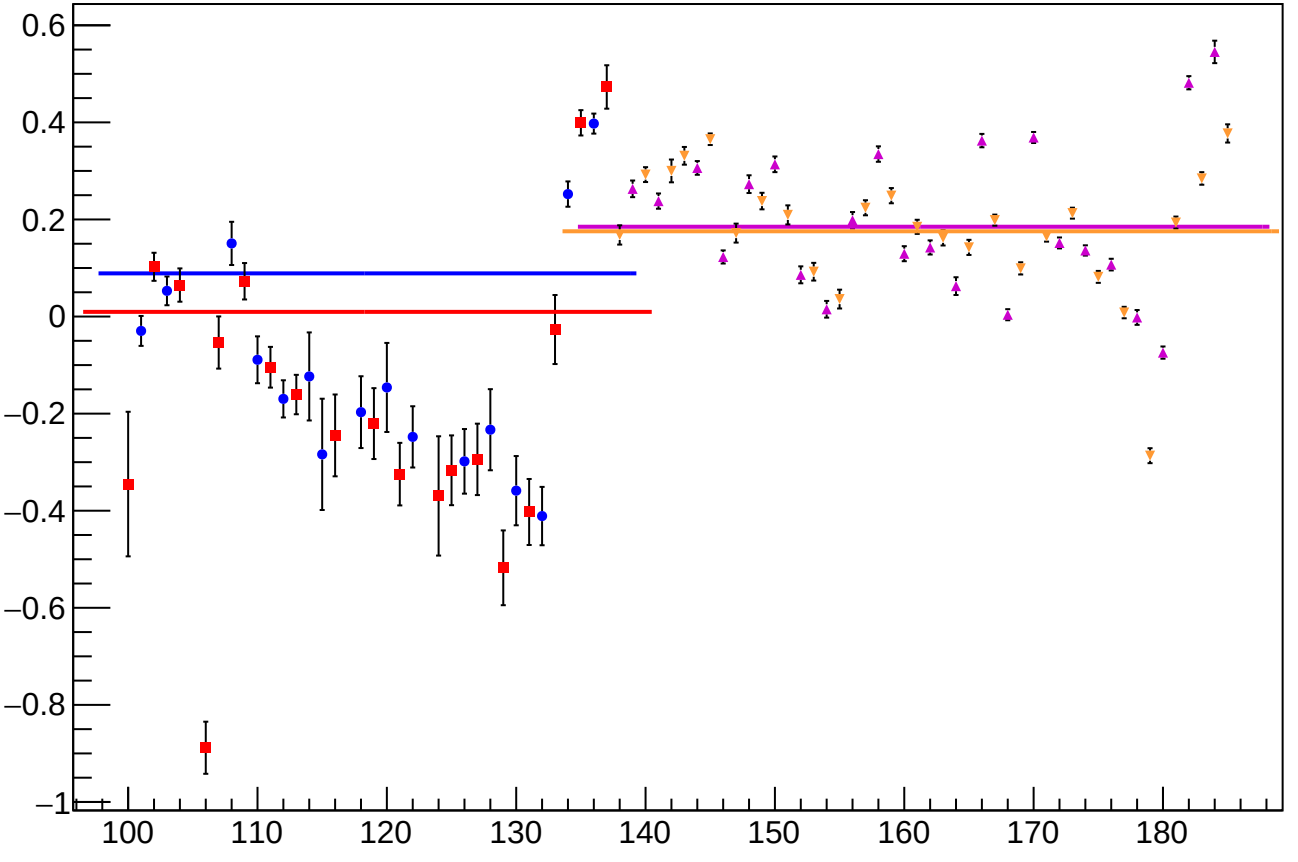
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

\+ sign 25.677+/-0.062 χ^2/NDF: 10891.5/40

All: 25.512+/-0.044 χ^2/NDF: 21874.5/82

\- sign 25.339+/-0.063 χ^2/NDF: 10968.4/41

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

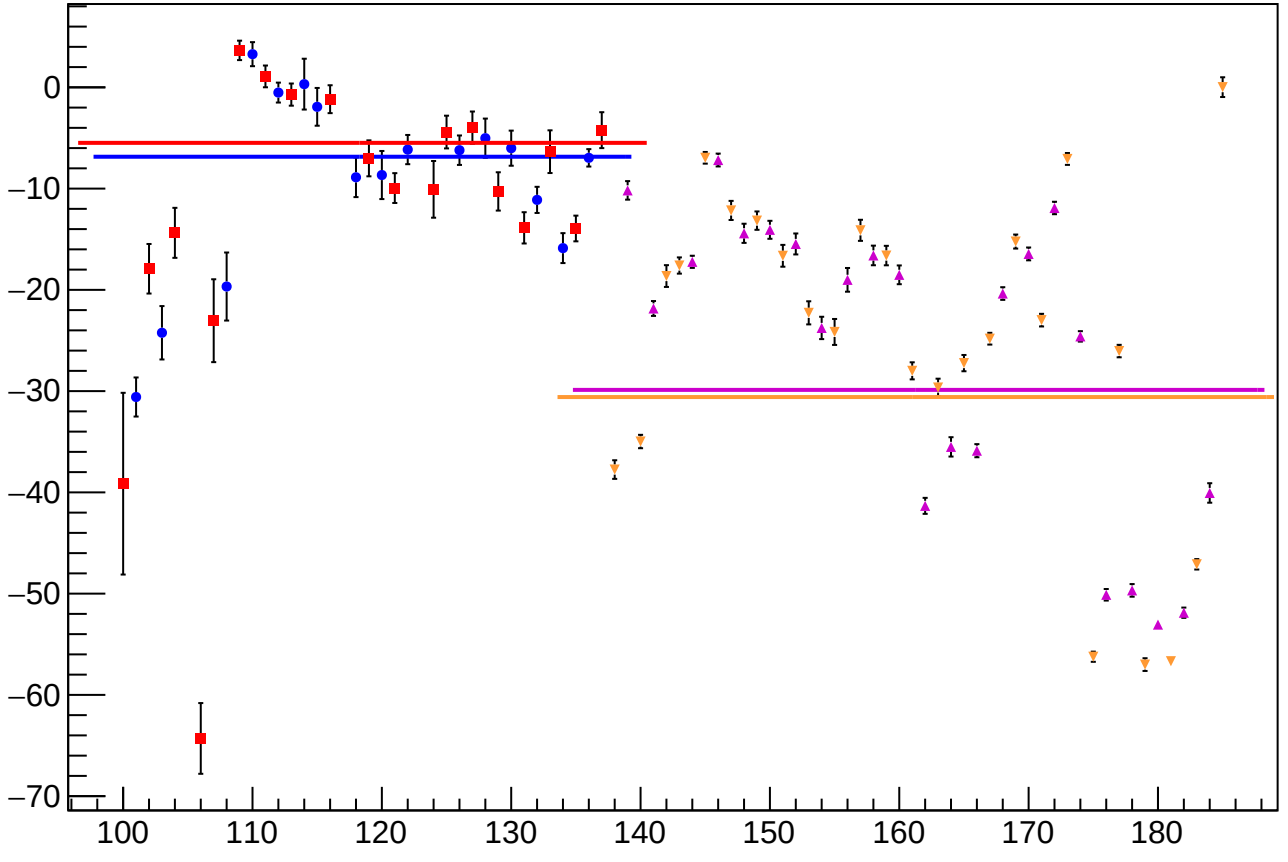
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.169+/-0.003 χ^2/NDF: 2563.8/40

All: 0.171+/-0.002 χ^2/NDF: 6174.2/82

- 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: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

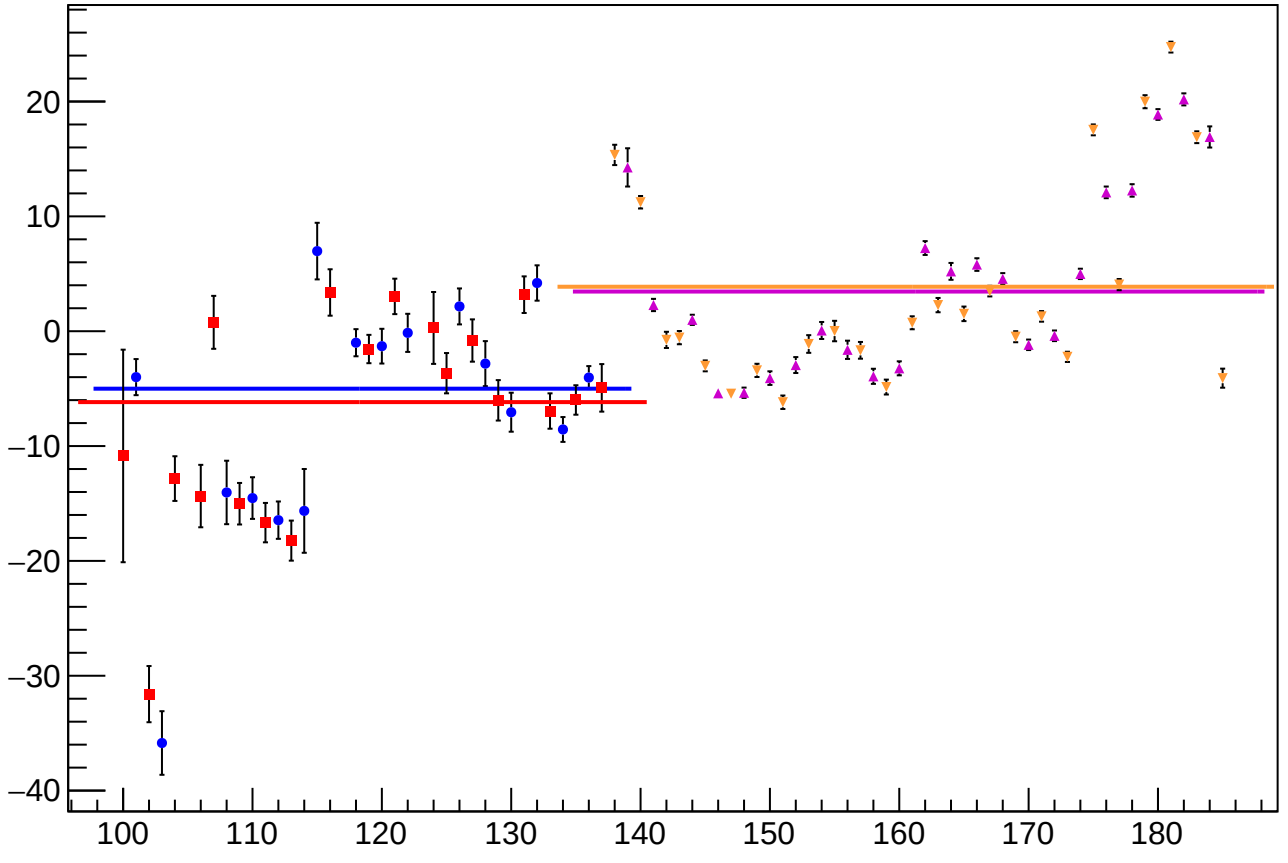
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.614+/-0.133 χ^2/NDF: 19928.8/40

All: -27.102+/-0.095 χ^2/NDF: 36378.1/82

- 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: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

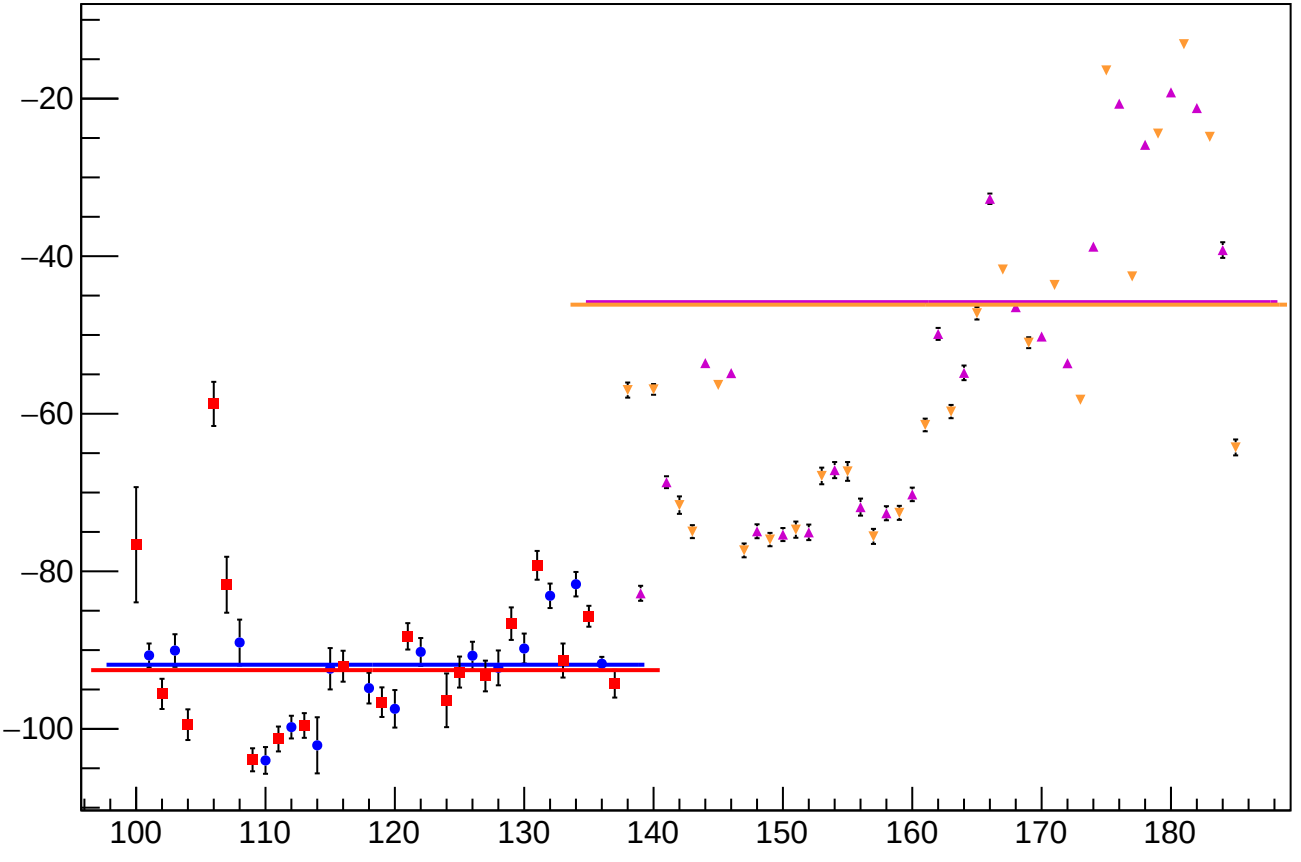
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.222+/-0.107 χ^2/NDF: 7351.1/40

All: 3.009+/-0.077 χ^2/NDF: 12919.1/82

- 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: -46.153+/-0.142 χ^2/NDF:21455.9/24

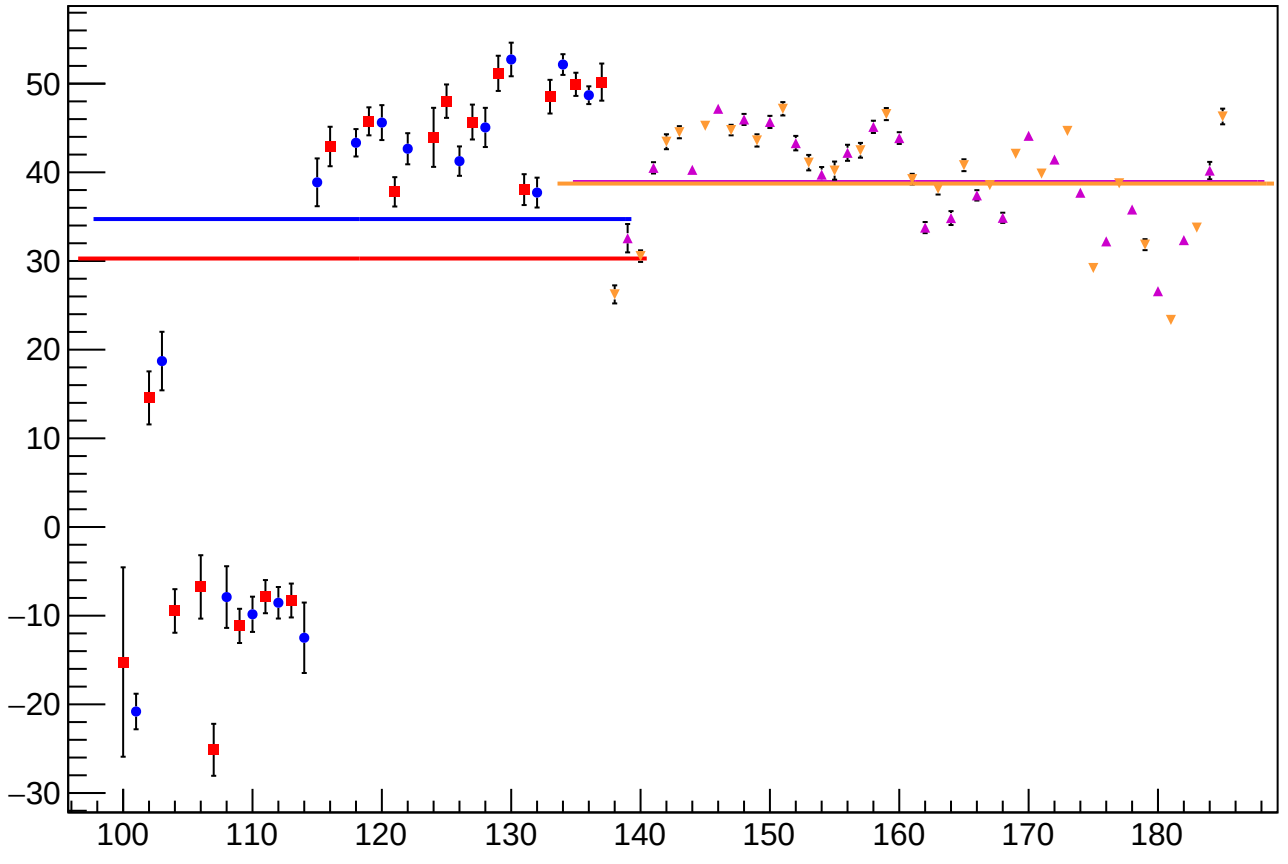
Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -50.785+/-0.135 χ^2/NDF: 32072.2/40

All: -50.637+/-0.097 χ^2/NDF: 60570.6/82

- sign -50.481+/-0.139 χ^2/NDF: 28495.9/41



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

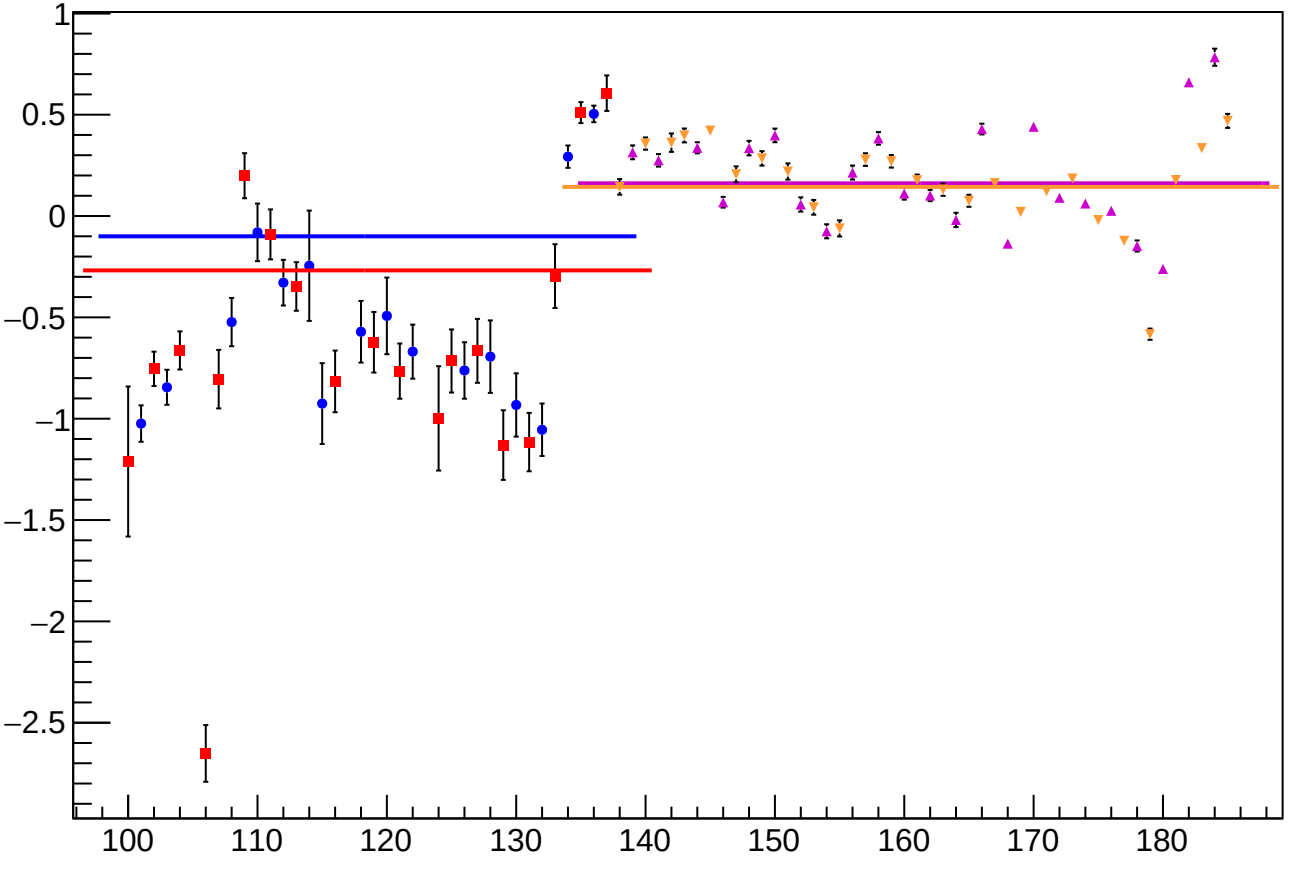
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.436+/-0.120 χ^2/NDF: 5666.8/40

All: 38.373+/-0.086 χ^2/NDF: 10867.6/82

- 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: 0.144+/-0.006 χ^2/NDF:1442.8/24

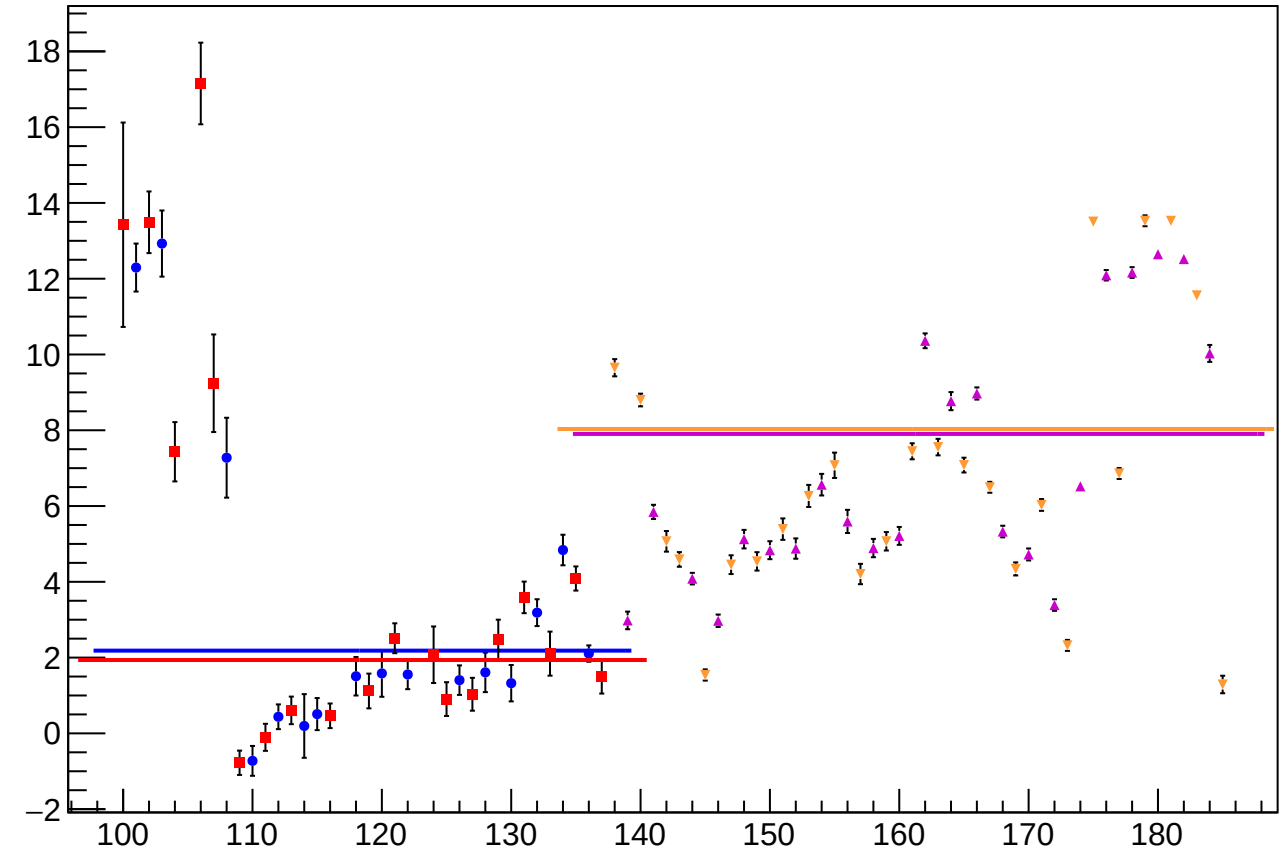
Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.131+/-0.005 χ^2/NDF: 2172.0/40

All: 0.136+/-0.004 χ^2/NDF: 5169.3/82

- sign 0.142+/-0.006 χ^2/NDF: 2995.2/41



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

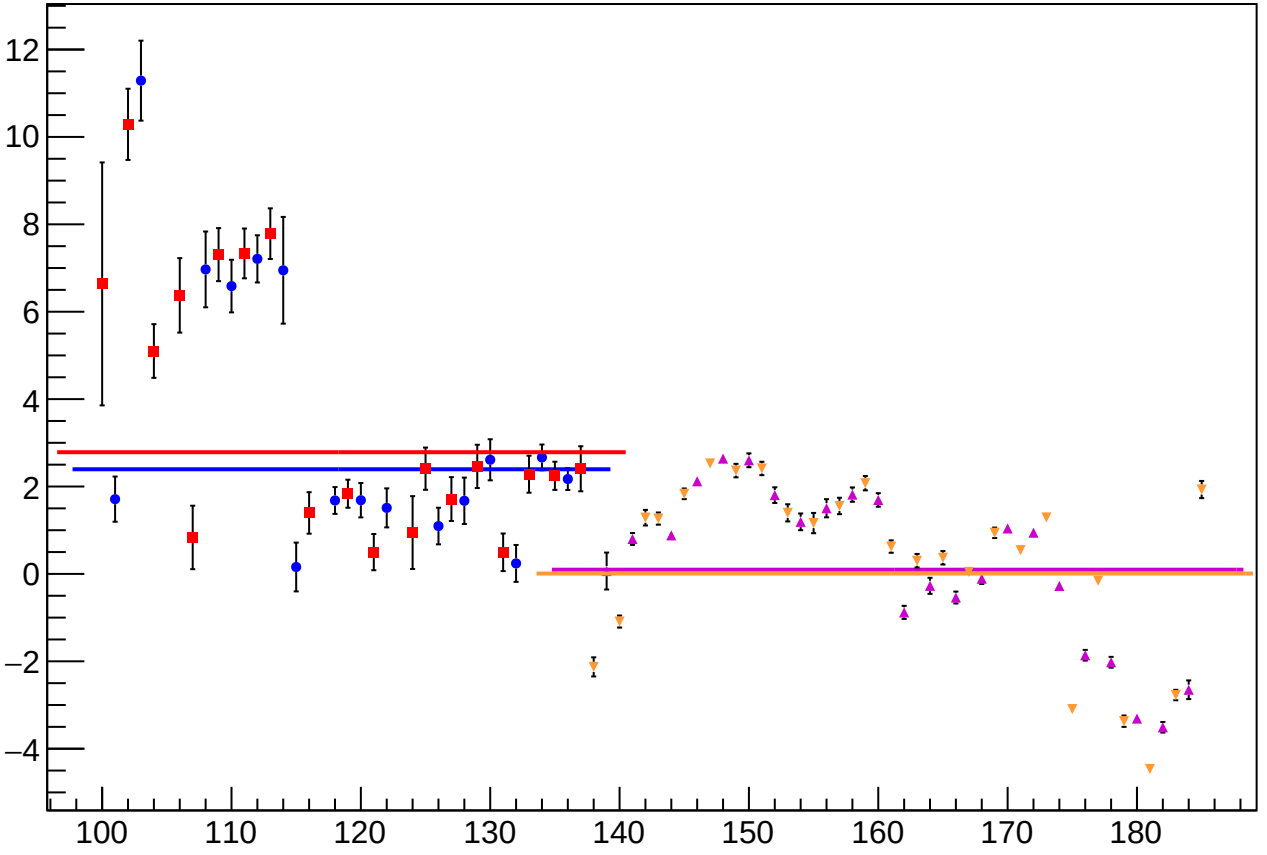
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.457+/-0.033 χ^2/NDF: 17322.3/40

All: 7.374+/-0.024 χ^2/NDF: 30939.5/82

- sign 7.287+/-0.034 χ^2/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: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

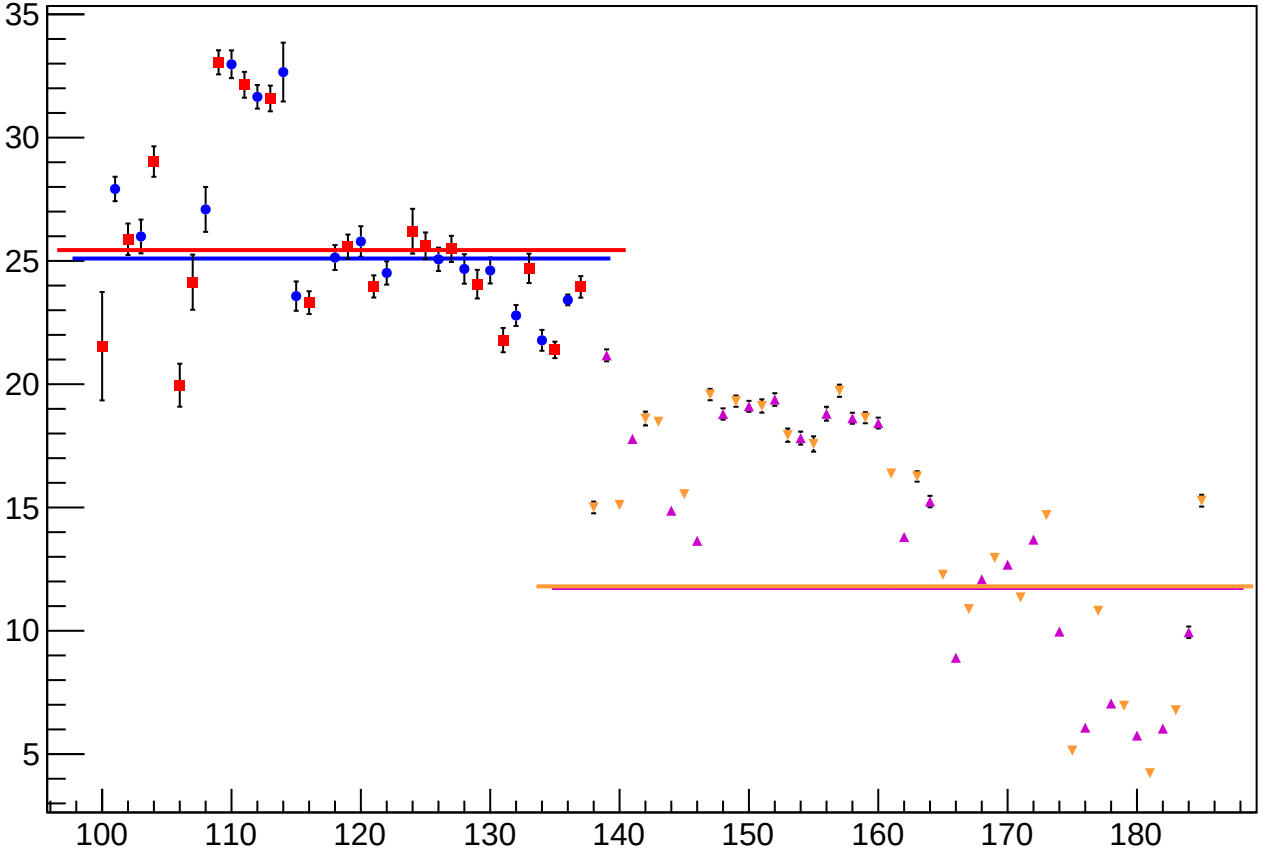
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.153+/-0.027 χ^2/NDF: 6550.7/40

All: 0.198+/-0.019 χ^2/NDF: 11909.2/82

- 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: 11.802+/-0.035 χ^2/NDF:21479.5/24

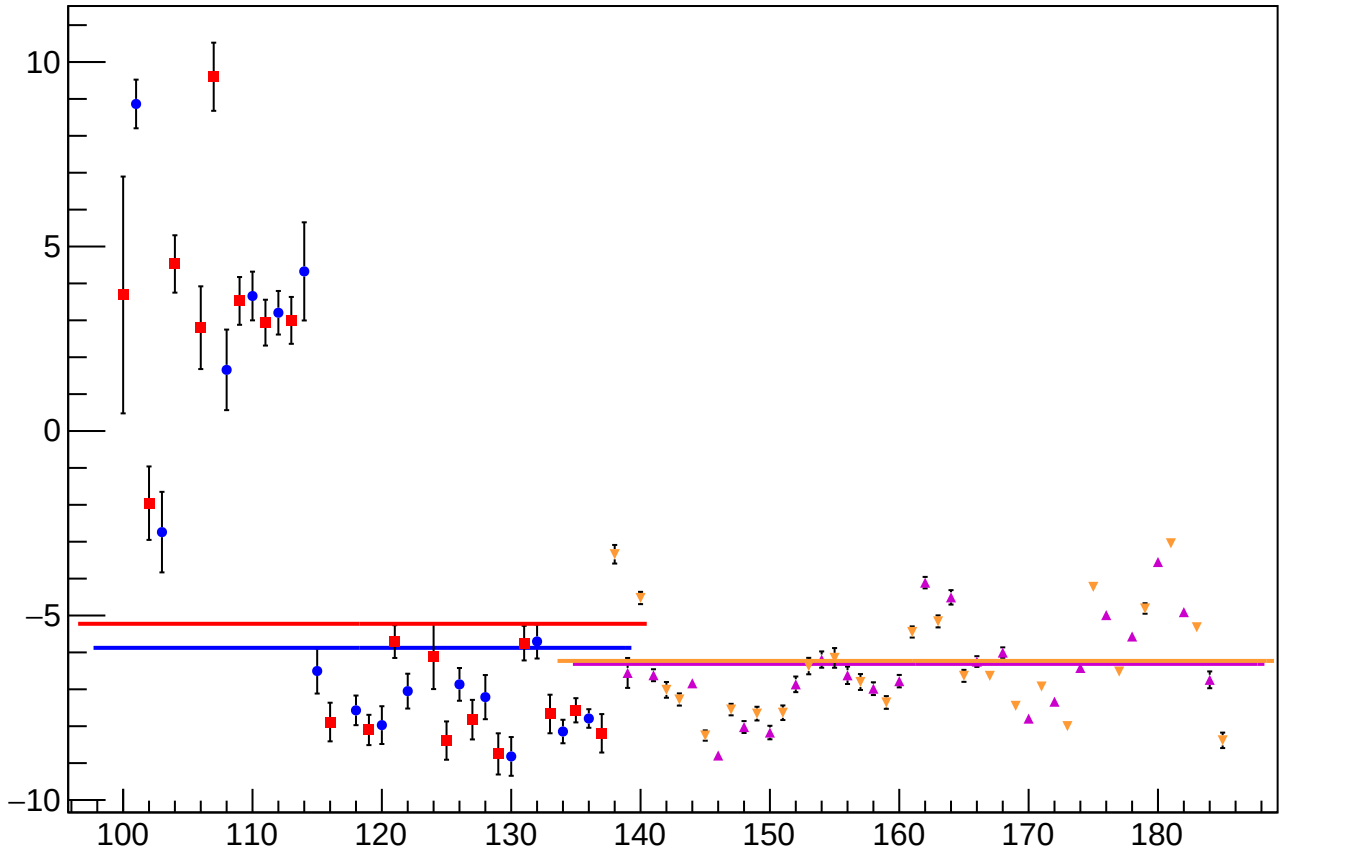
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 12.876+/-0.033 χ^2/NDF: 33862.6/40

All: 12.834+/-0.024 χ^2/NDF: 64011.0/82

- 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: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

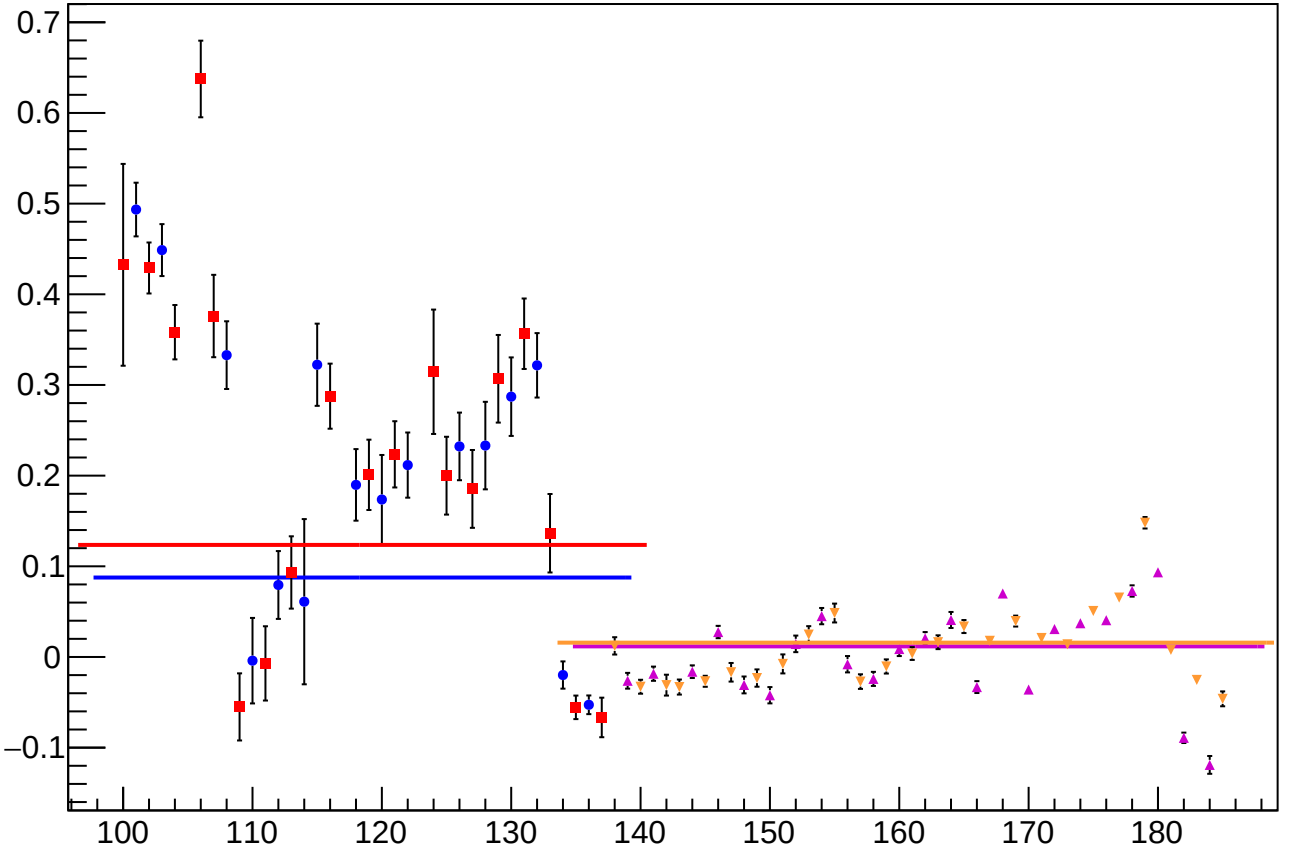
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.209+/-0.030 χ^2/NDF: 3709.6/40

All: -6.229+/-0.021 χ^2/NDF: 7099.2/82

- sign -6.251+/-0.031 χ^2/NDF: 3388.7/41

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

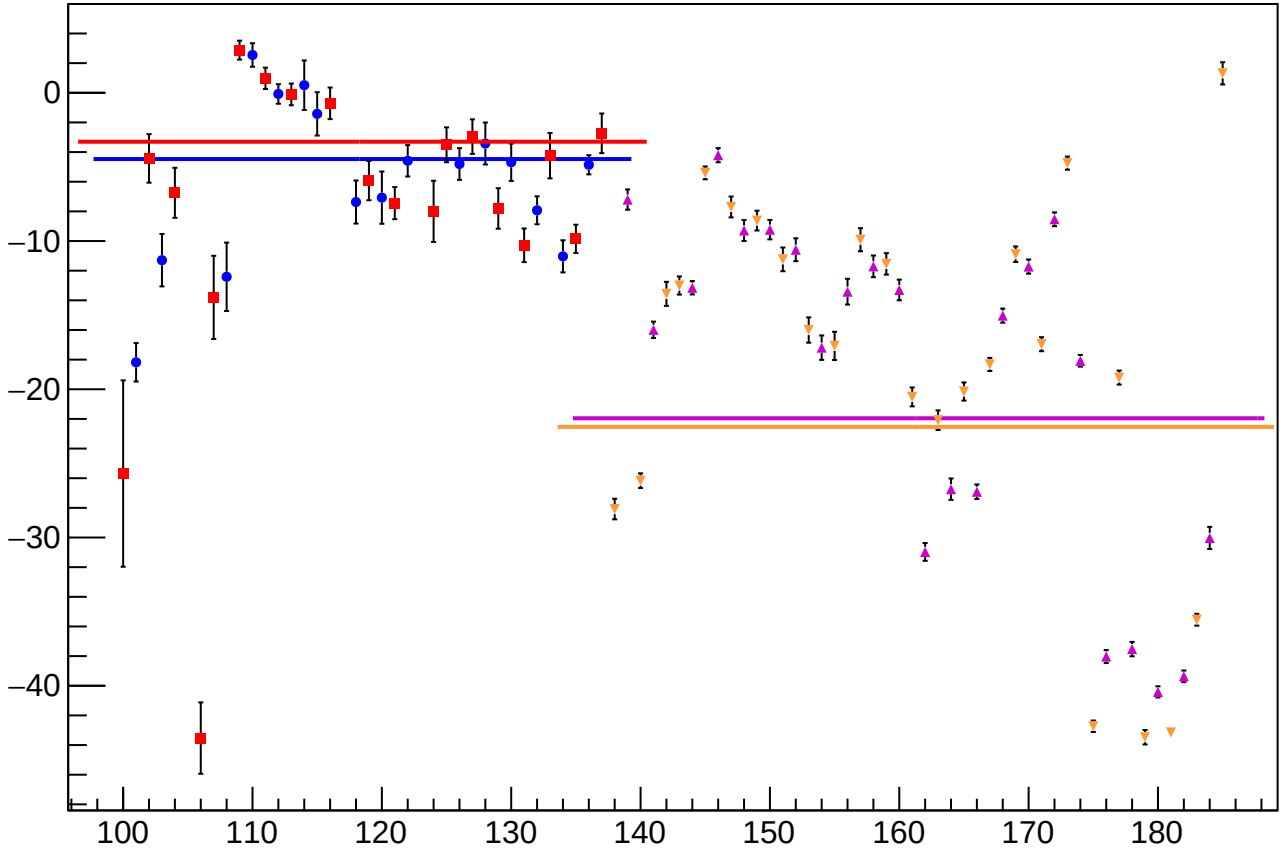
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.019+/-0.001 χ^2/NDF: 1815.2/40

All: 0.017+/-0.001 χ^2/NDF: 4102.4/82

- 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: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

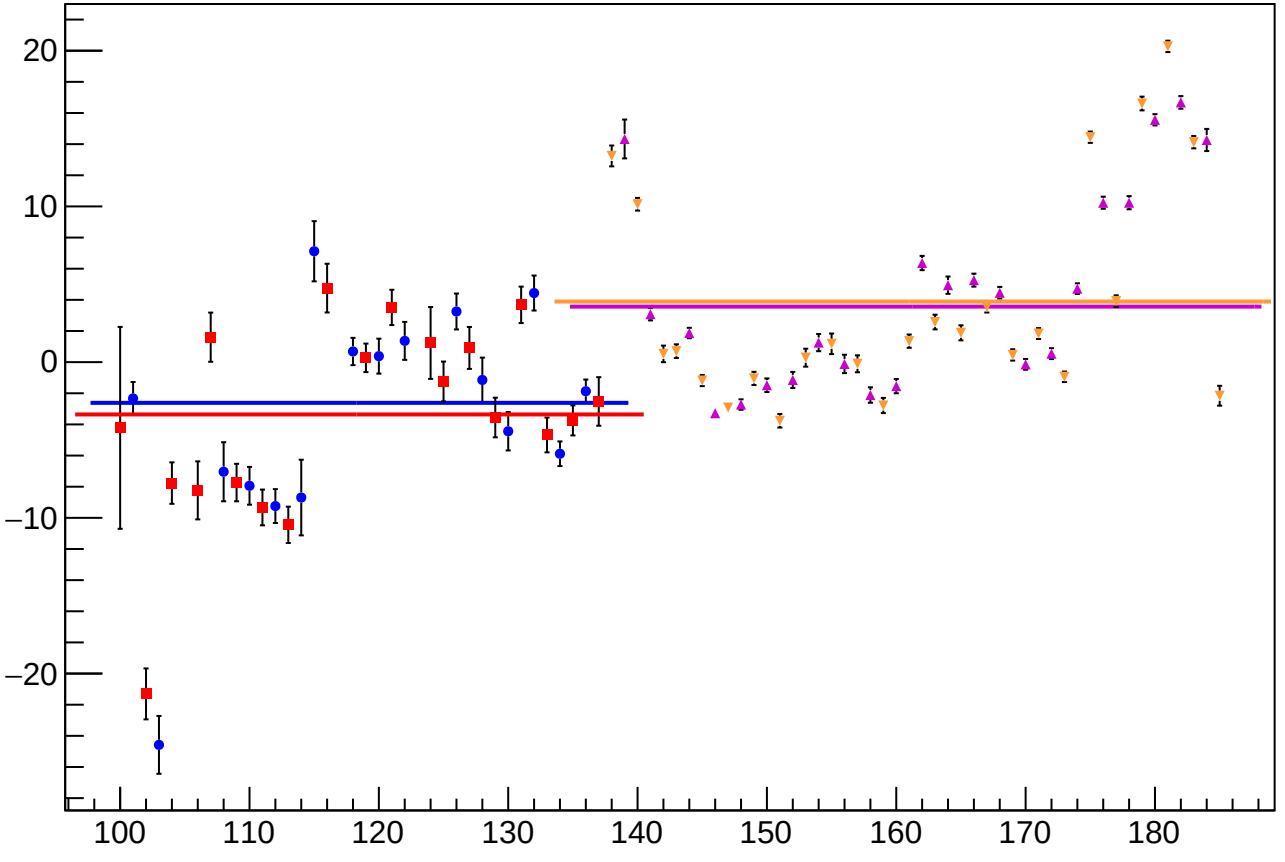
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -20.017+/-0.100 χ^2/NDF: 20770.5/40

All: -19.562+/-0.072 χ^2/NDF: 38311.3/82

- 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: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

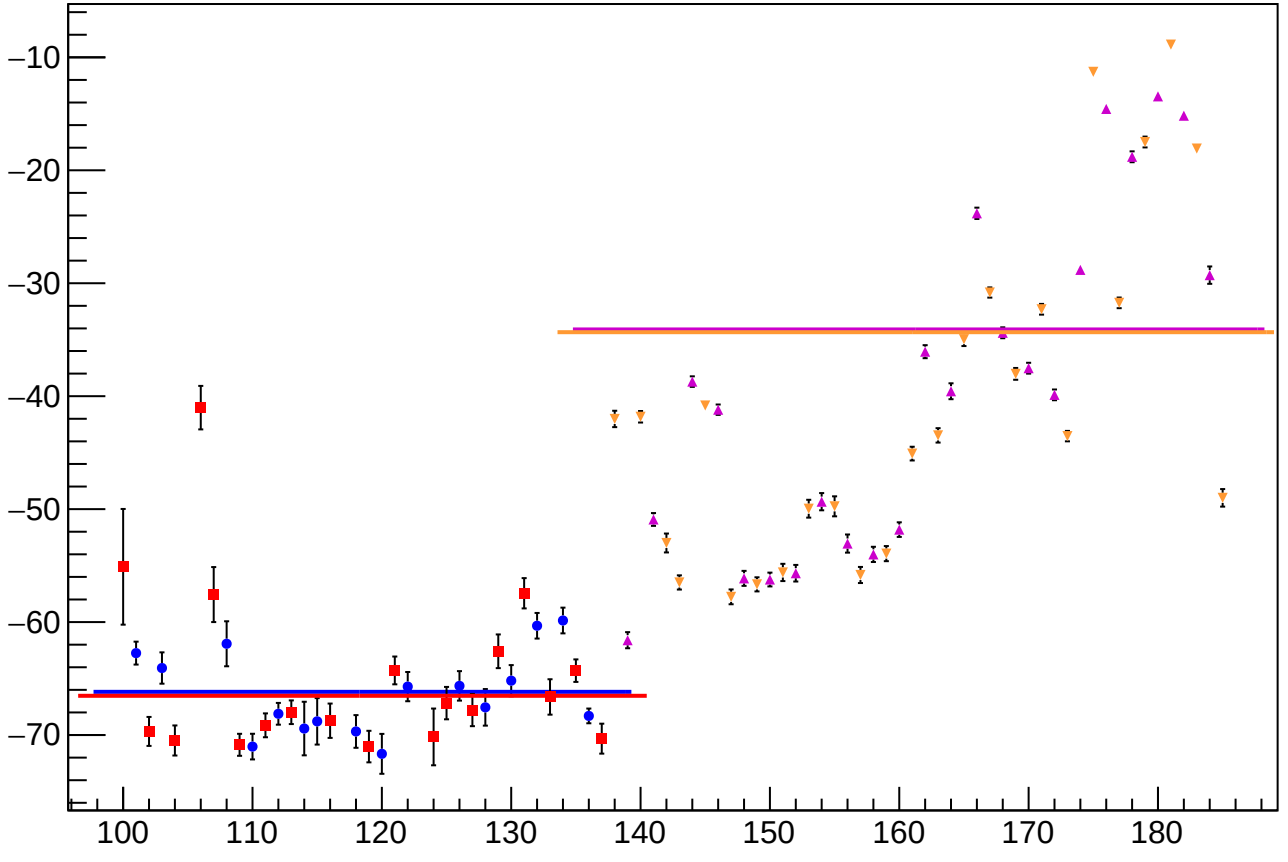
Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.371+/-0.081 χ^2/NDF: 7553.0/40

All: 3.206+/-0.058 χ^2/NDF: 13156.5/82

- 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: -34.334+/-0.108 χ^2/NDF:21200.8/24

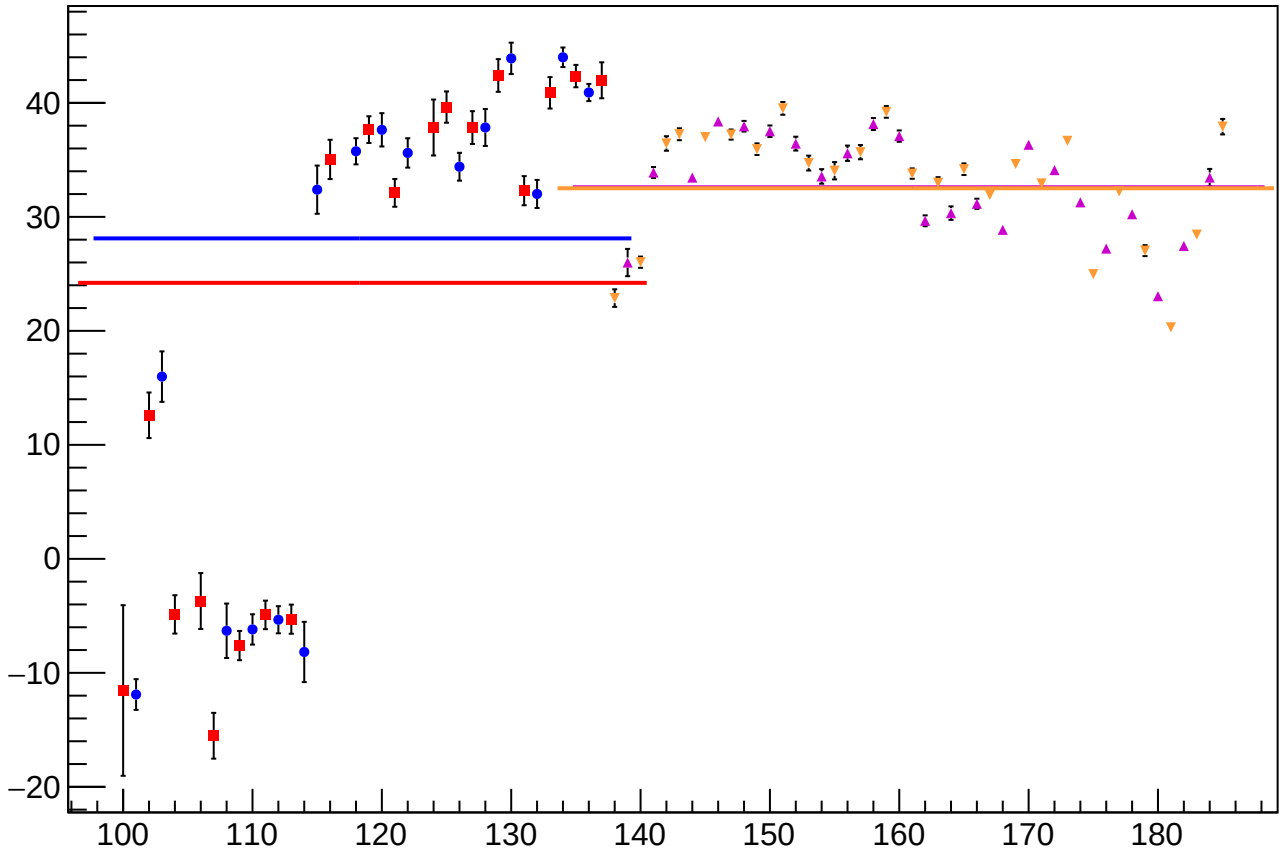
Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -37.912+/-0.102 χ^2/NDF: 31048.0/40

All: -37.819+/-0.073 χ^2/NDF: 58666.3/82

- sign -37.722+/-0.105 χ^2/NDF: 27616.6/41



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

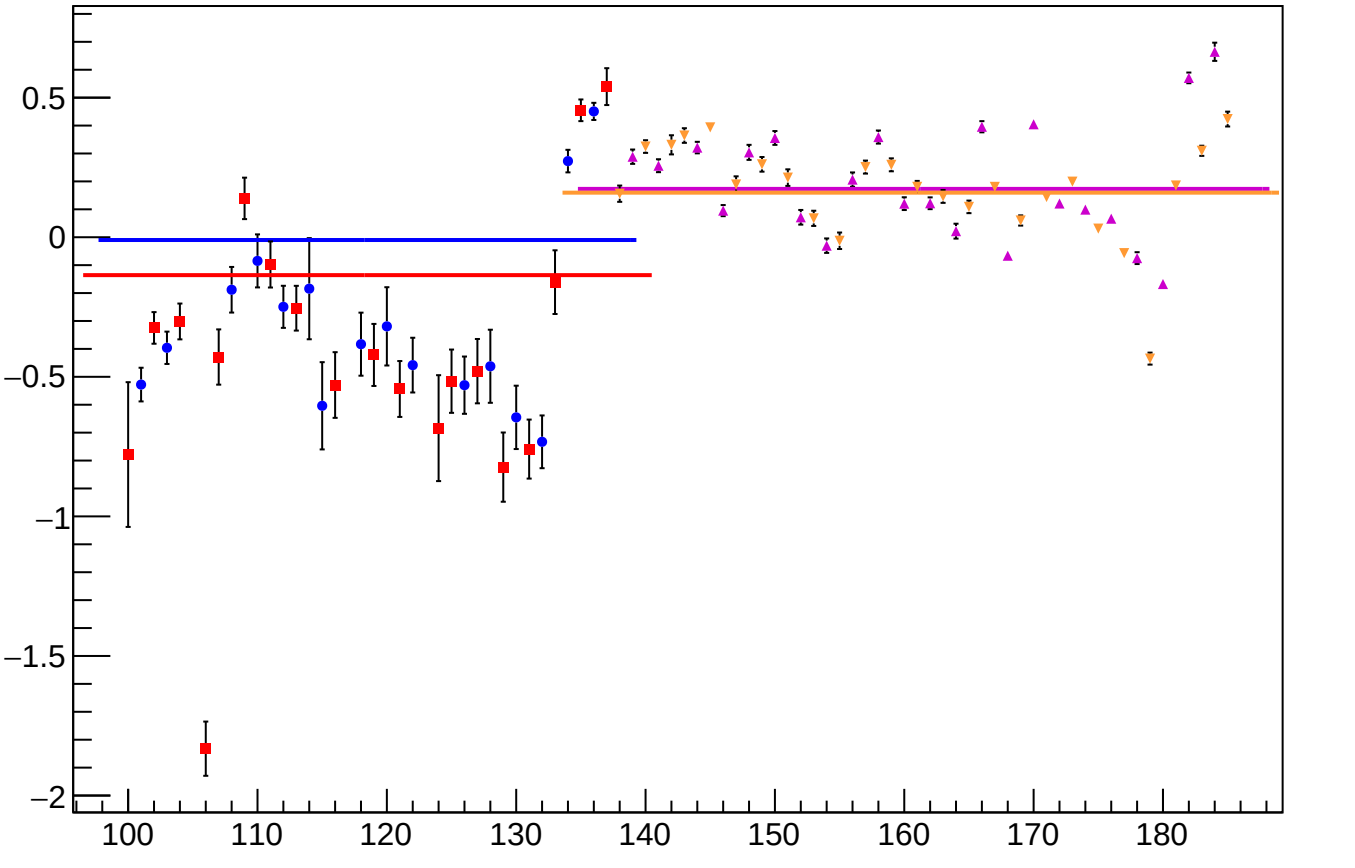
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.158+/-0.091 χ^2/NDF: 6839.5/40

All: 32.059+/-0.065 χ^2/NDF: 13273.1/82

- 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: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

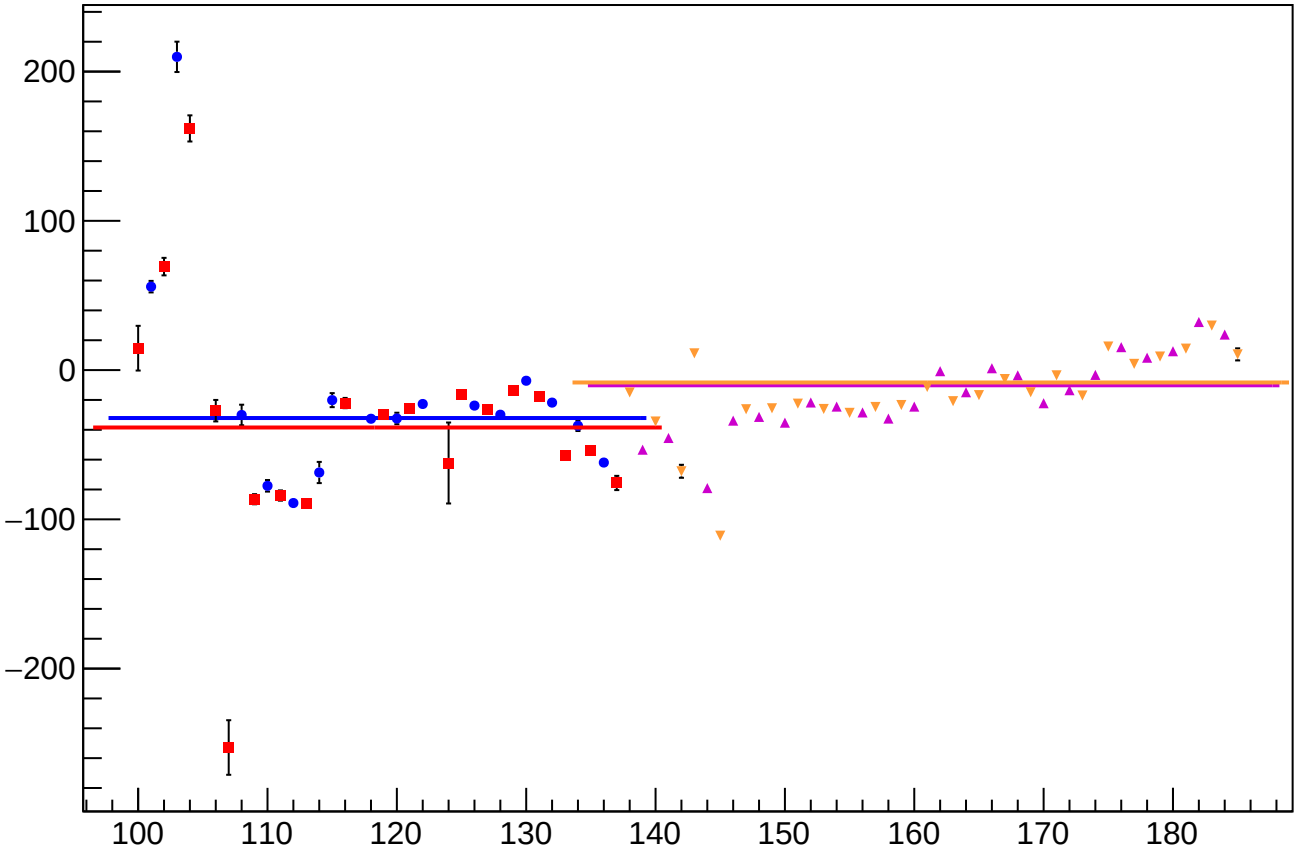
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.150+/-0.004 χ^2/NDF: 2290.8/40

All: 0.154+/-0.003 χ^2/NDF: 5496.4/82

- 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: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

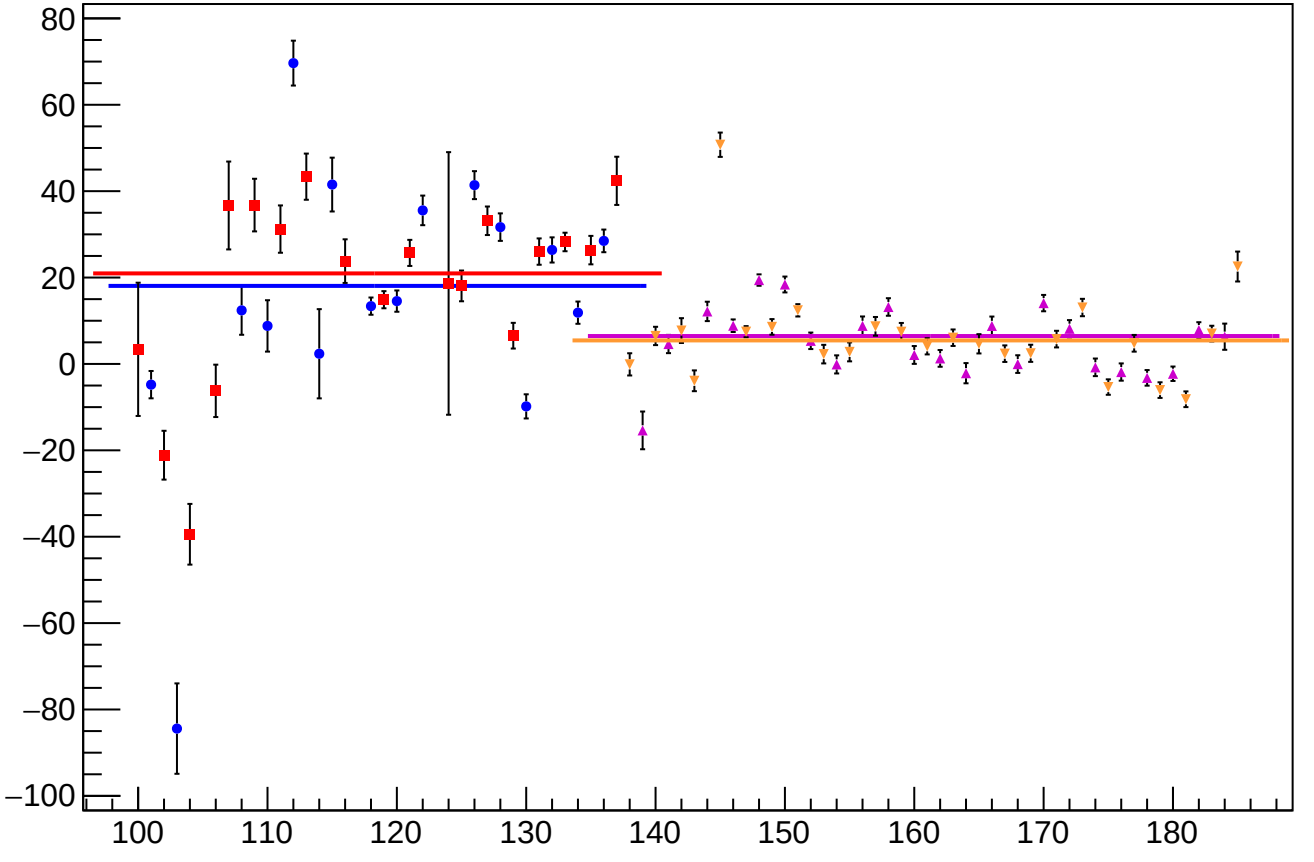
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

\+ sign -14.750+/-0.439 χ^2/NDF: 5019.6/40

All: -16.251+/-0.314 χ^2/NDF: 10315.3/82

\- 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: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

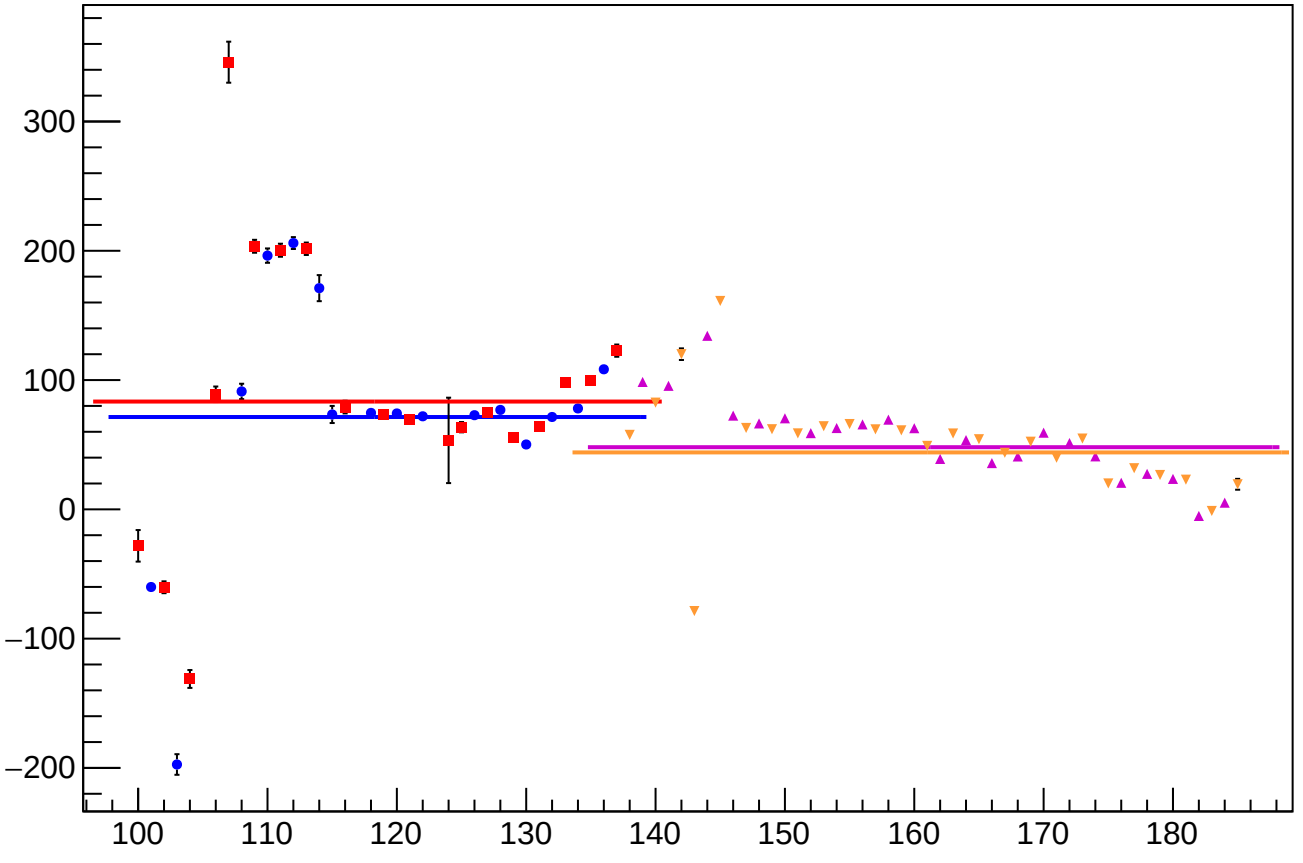
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

\+ sign 7.800+/-0.355 χ^2/NDF: 1184.8/40

All: 8.417+/-0.256 χ^2/NDF: 2018.0/82

\- 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: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

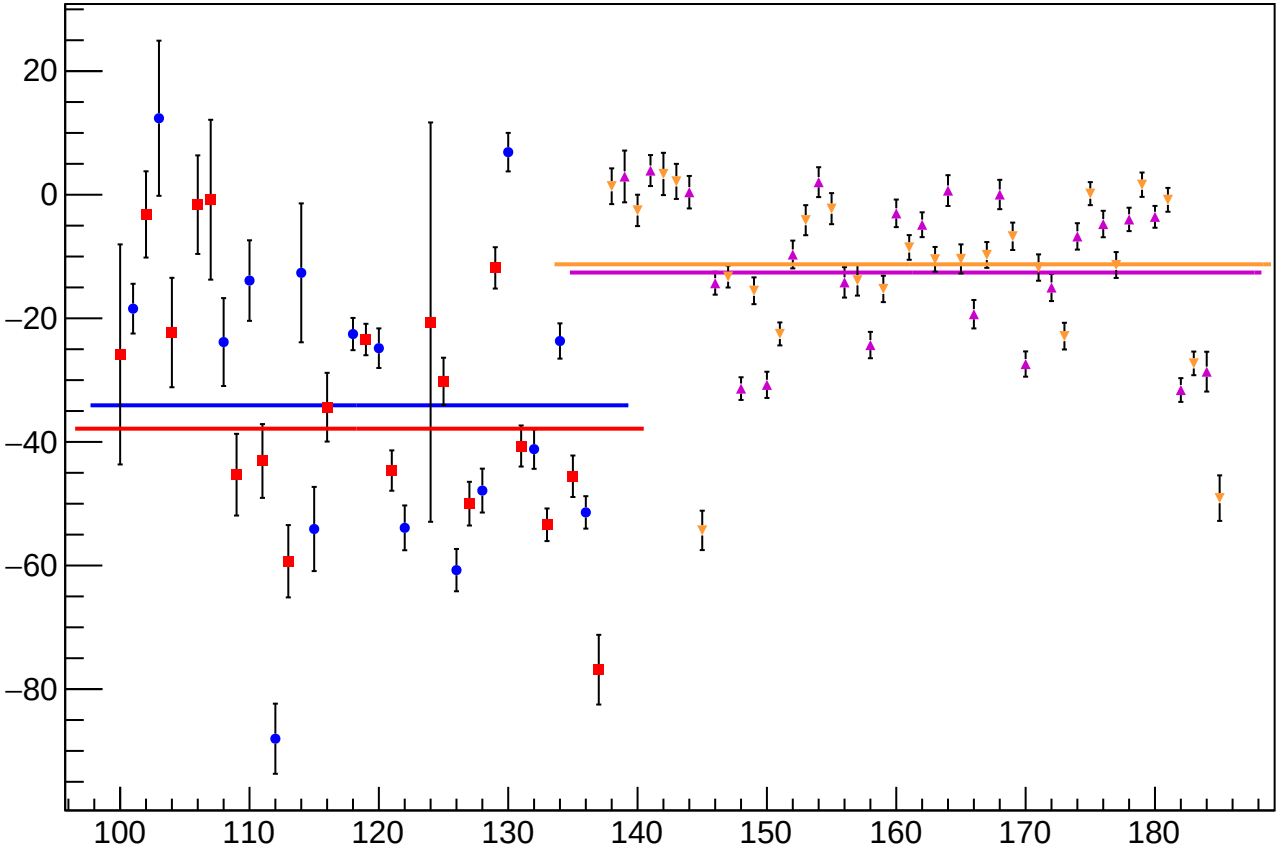
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 50.356+/-0.447 χ^2/NDF: 10048.6/40

All: 52.996+/-0.321 χ^2/NDF: 18797.8/82

- 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: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

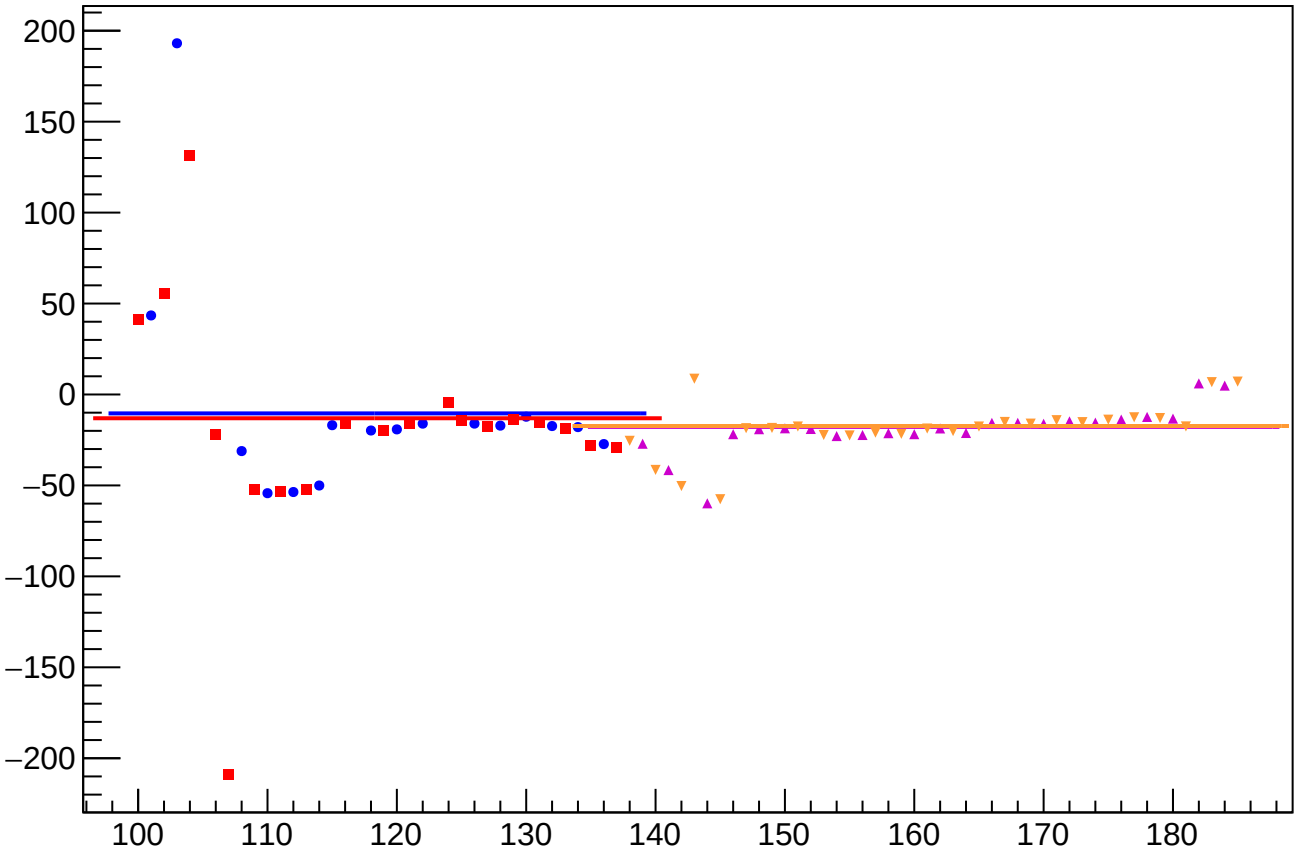
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.420+/-0.402 χ^2/NDF: 1634.0/40

All: -16.196+/-0.289 χ^2/NDF: 3121.0/82

- 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: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

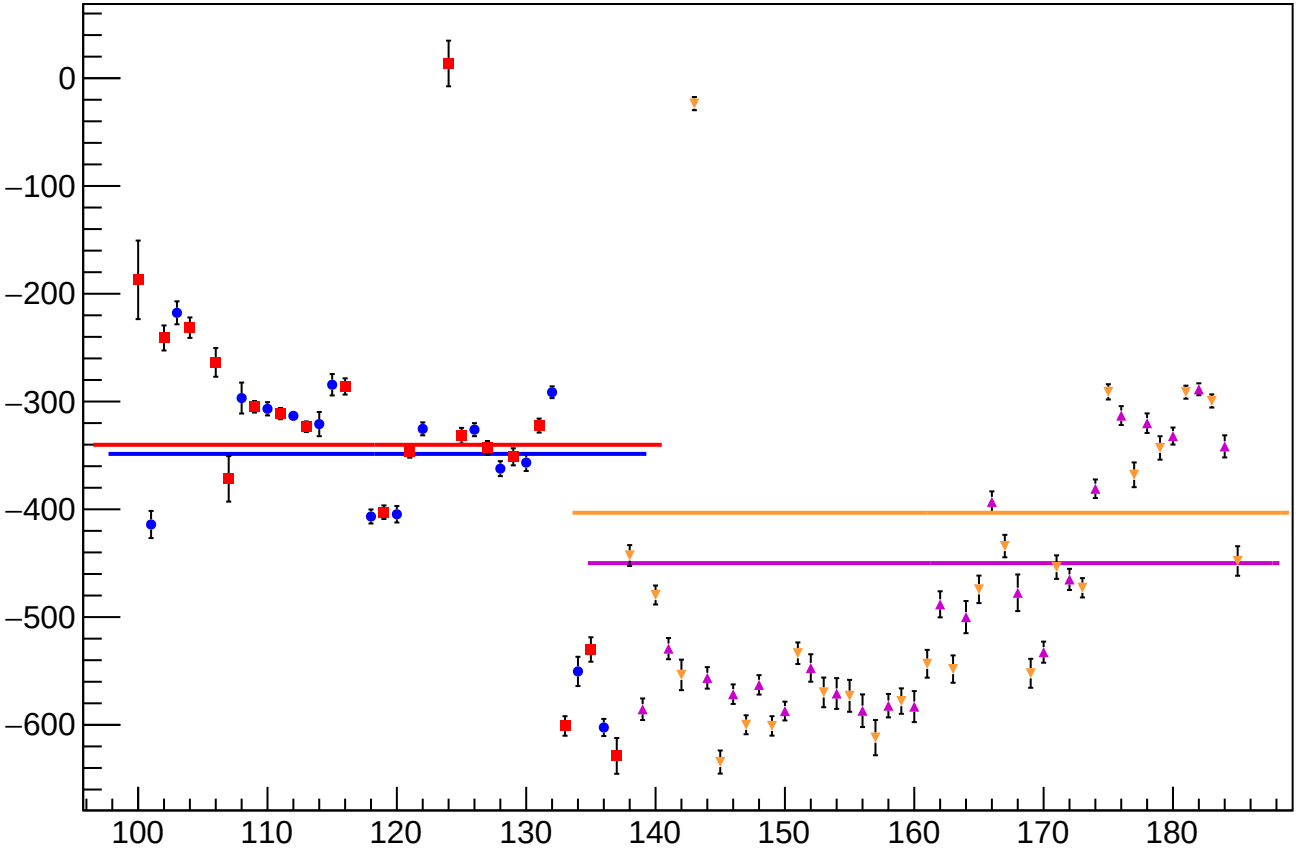
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -16.568+/-0.019 χ^2/NDF: 883365.9/40

All: -16.963+/-0.013 χ^2/NDF: 1606521.1/82

- 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: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

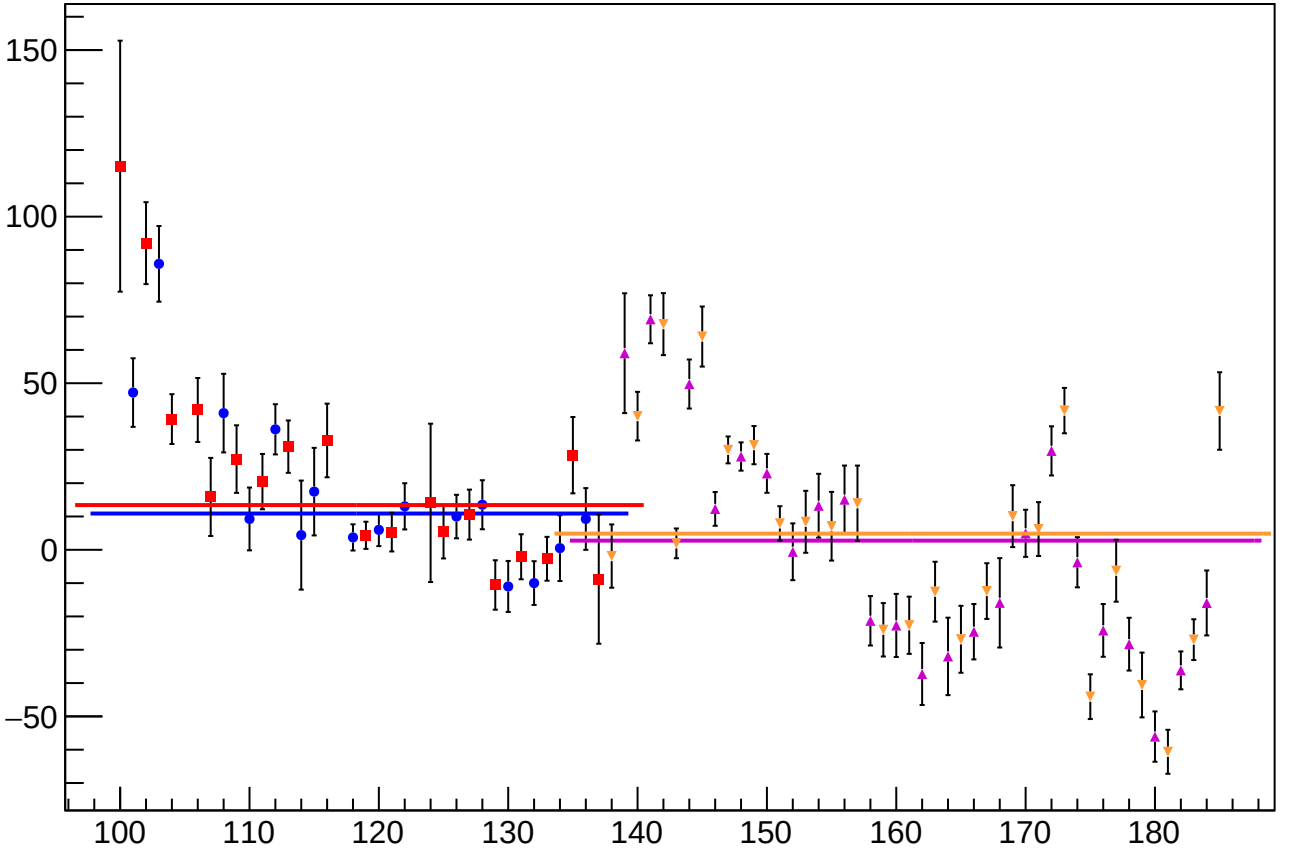
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -374.394+/-1.325 χ^2/NDF: 10031.8/40

All: -380.599+/-0.940 χ^2/NDF: 17149.3/82

- 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: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

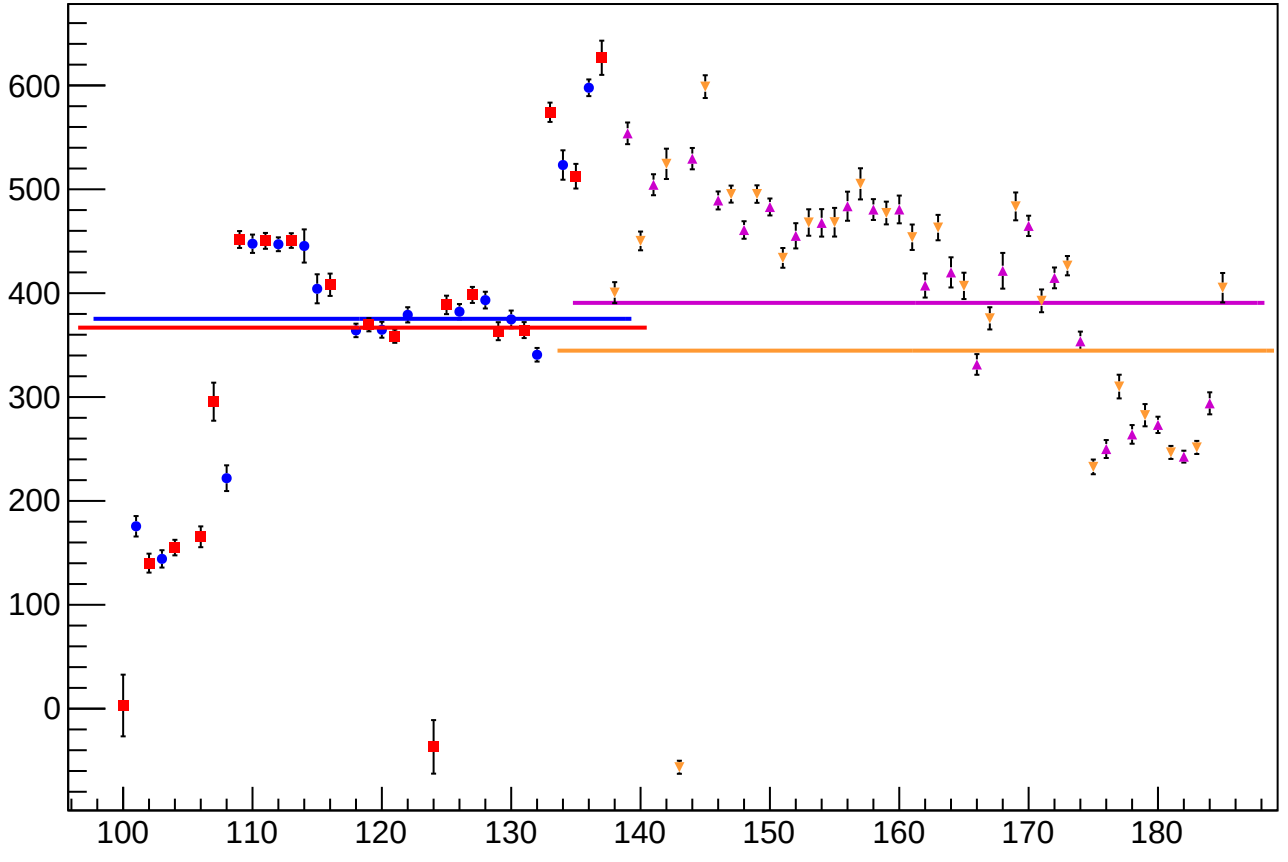
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 7.158+/-1.138 χ^2/NDF: 562.0/40

All: 7.159+/-0.823 χ^2/NDF: 1093.5/82

- 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: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

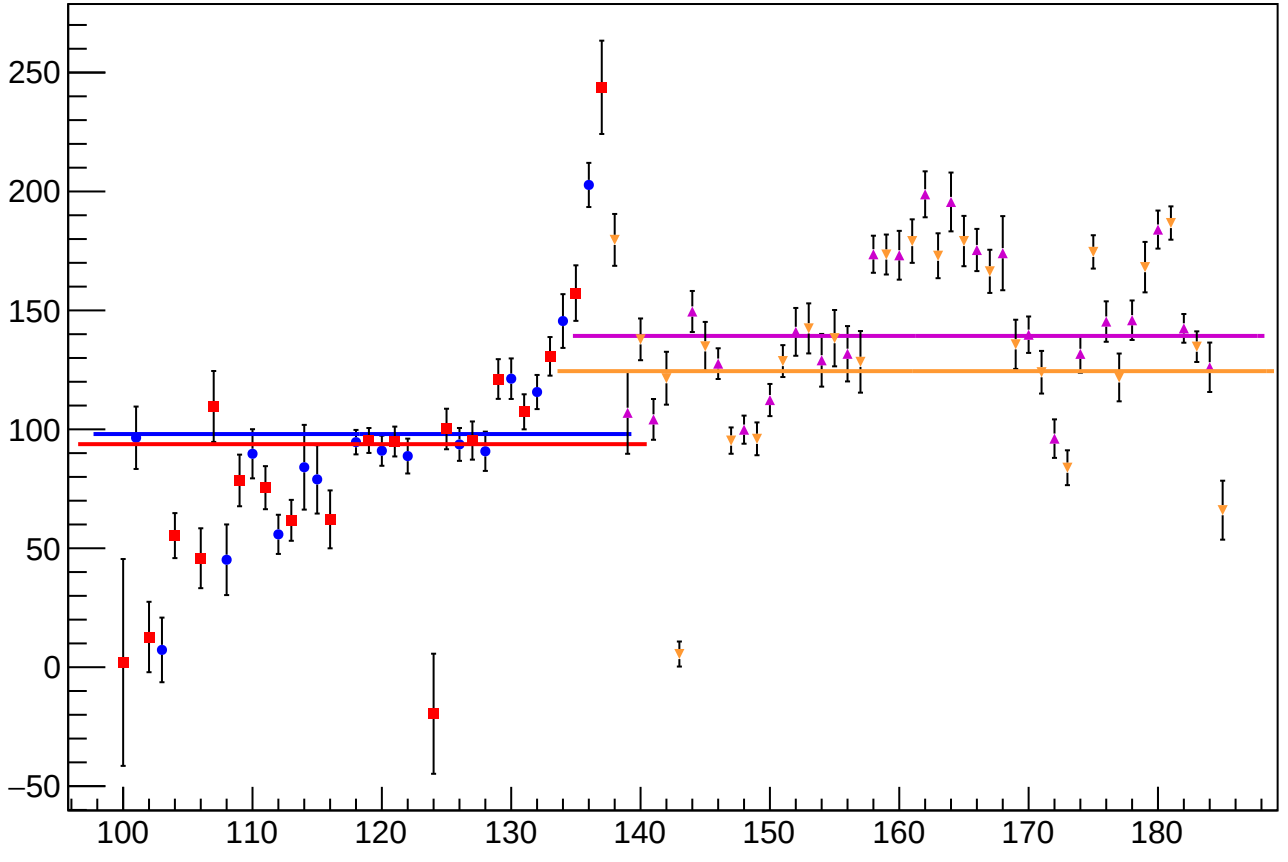
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 358.643+/-1.420 χ^2/NDF: 9843.2/40

All: 368.596+/-1.012 χ^2/NDF: 16225.4/82

- 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: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

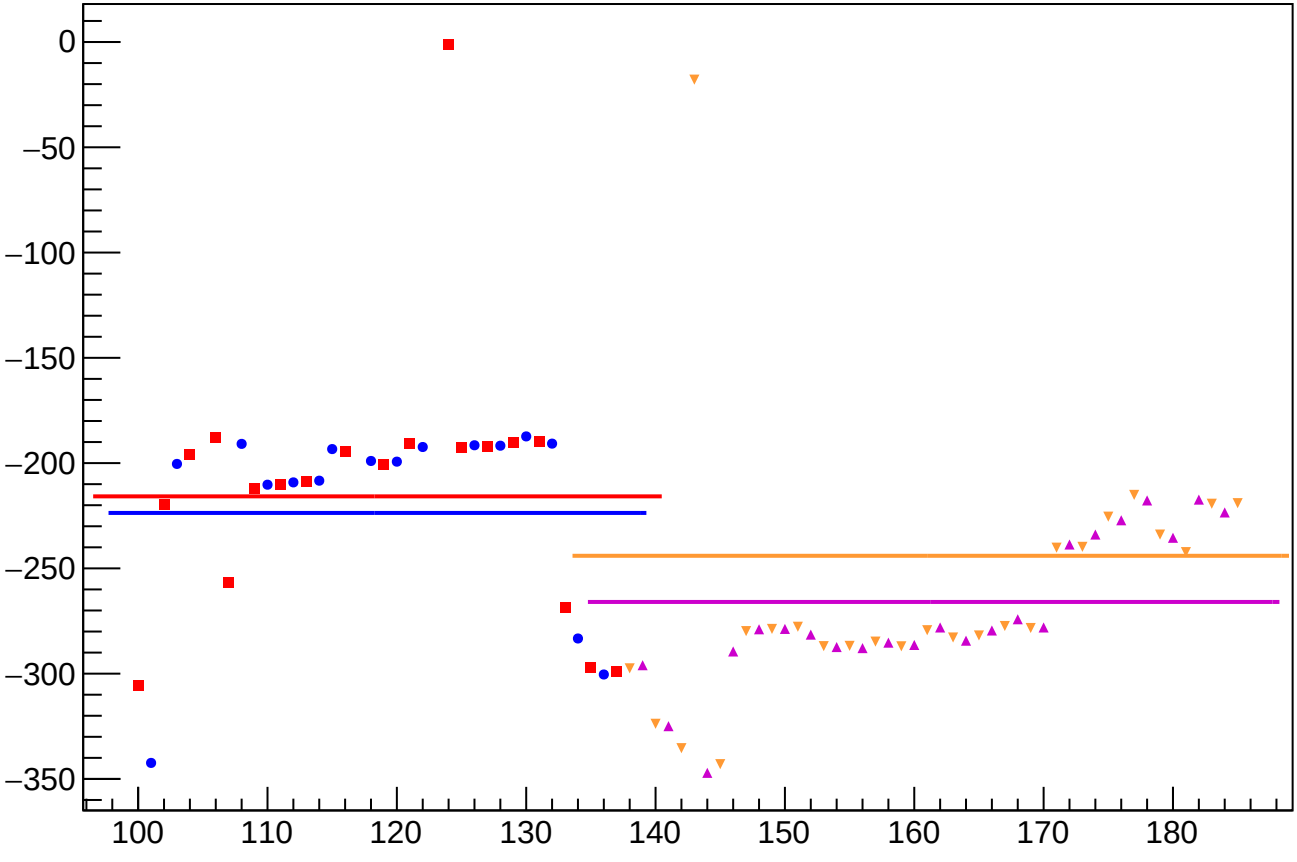
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 114.542+/-1.314 χ^2/NDF: 1282.1/40

All: 117.546+/-0.946 χ^2/NDF: 2059.7/82

- 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: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

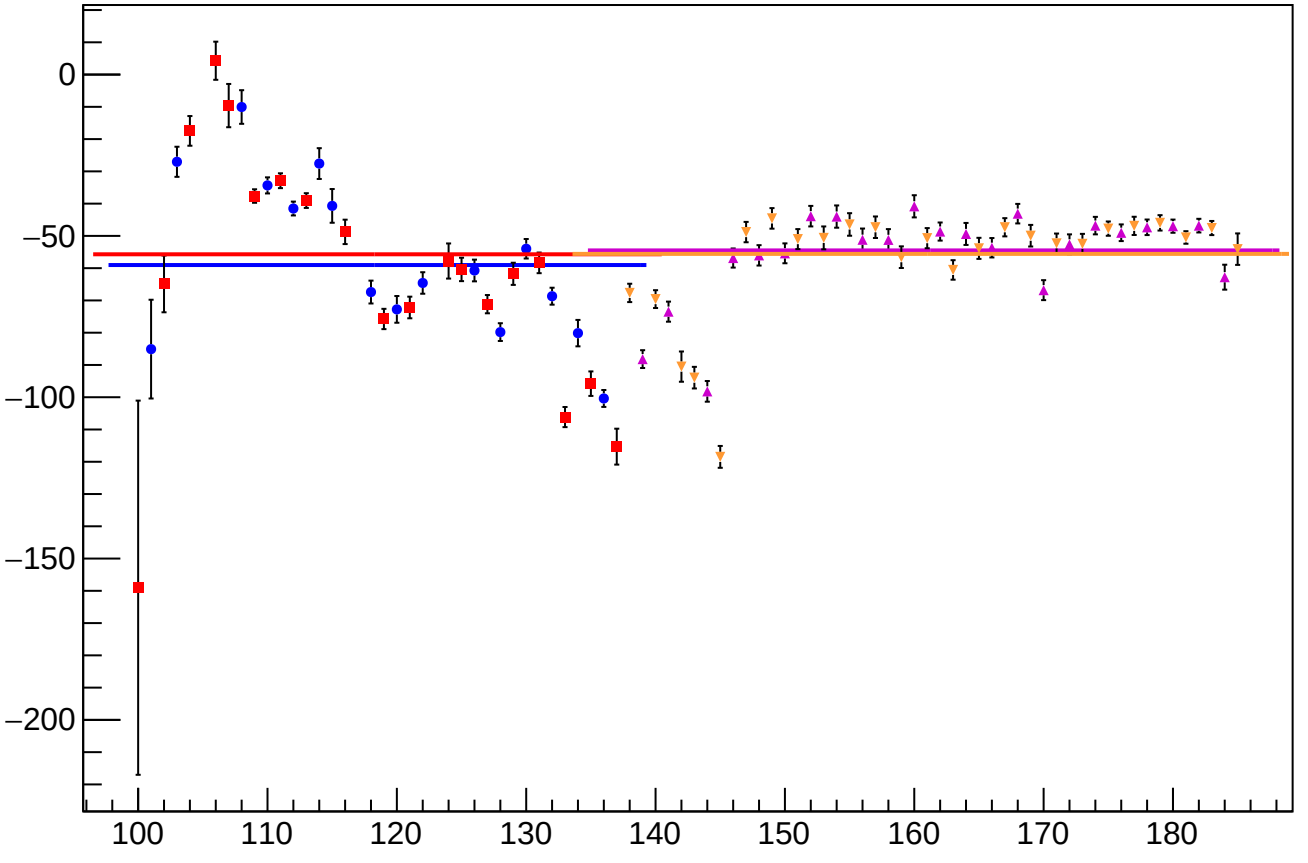
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.172+/-0.067 χ^2/NDF: 1135992.0/40

All: -245.777+/-0.048 χ^2/NDF: 1509626.9/82

- 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: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

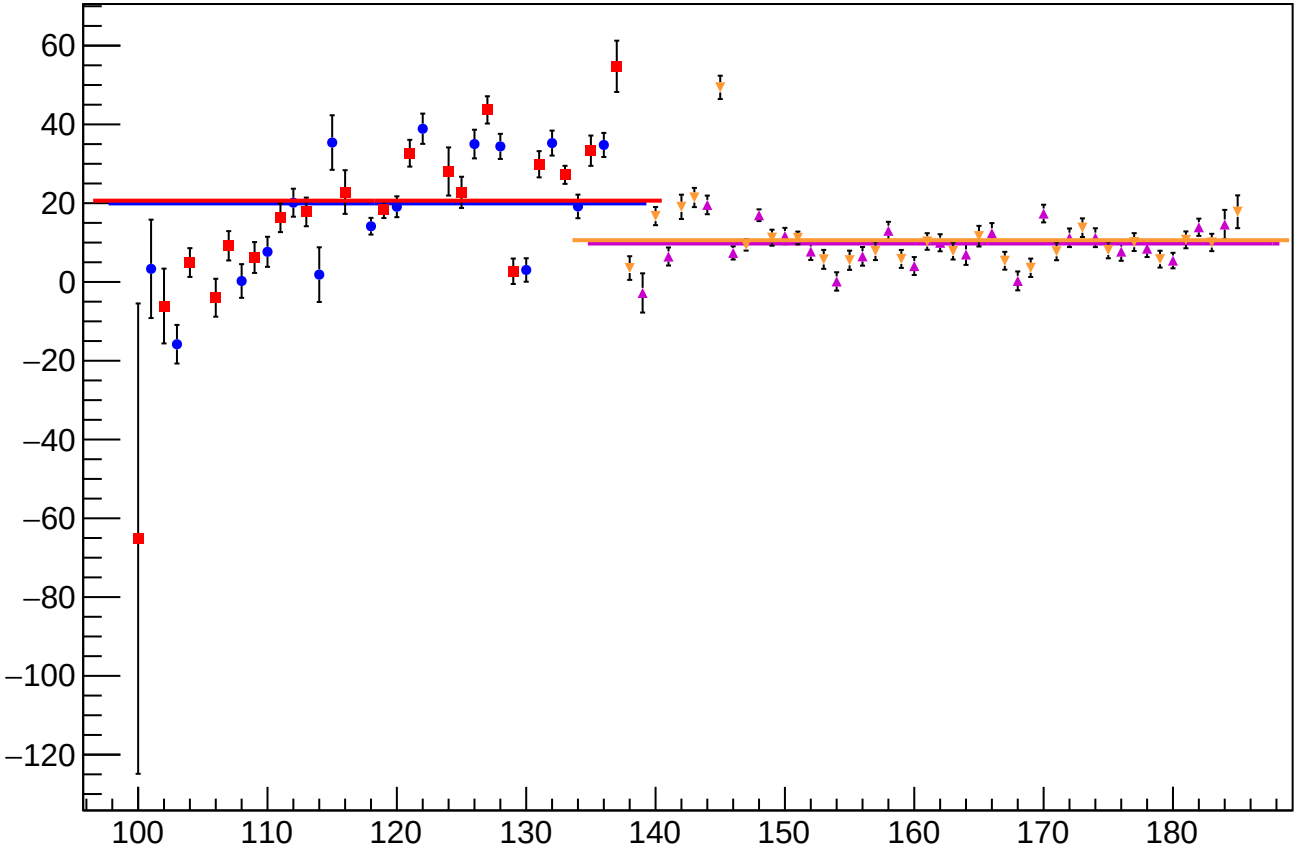
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -56.736+/-0.481 χ^2/NDF: 1425.3/40

All: -55.841+/-0.340 χ^2/NDF: 2975.2/82

- 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: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

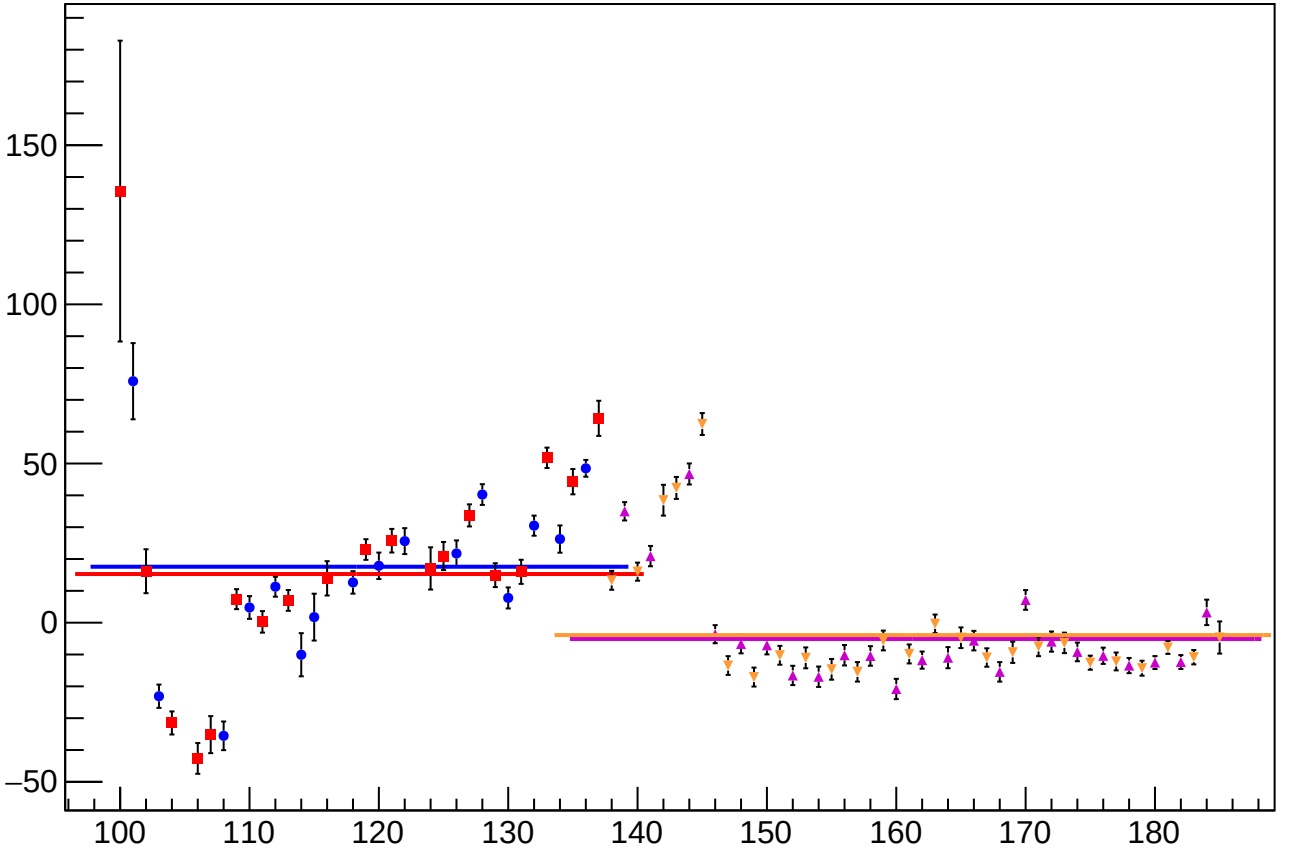
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.580+/-0.399 χ^2/NDF: 593.8/40

All: 12.451+/-0.285 χ^2/NDF: 1067.0/82

- 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: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

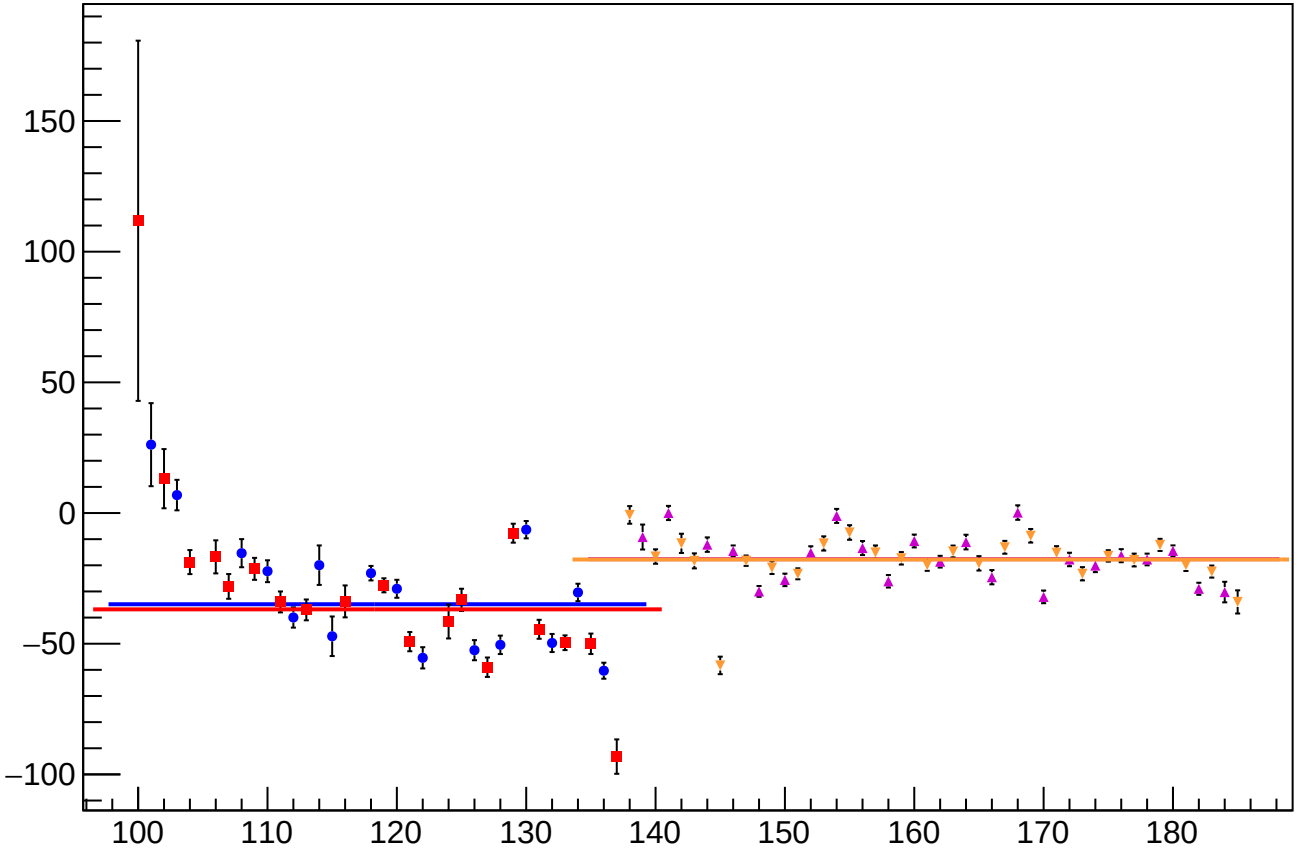
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 1.950+/-0.499 χ^2/NDF: 1762.9/40

All: 1.397+/-0.355 χ^2/NDF: 3483.2/82

- 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: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

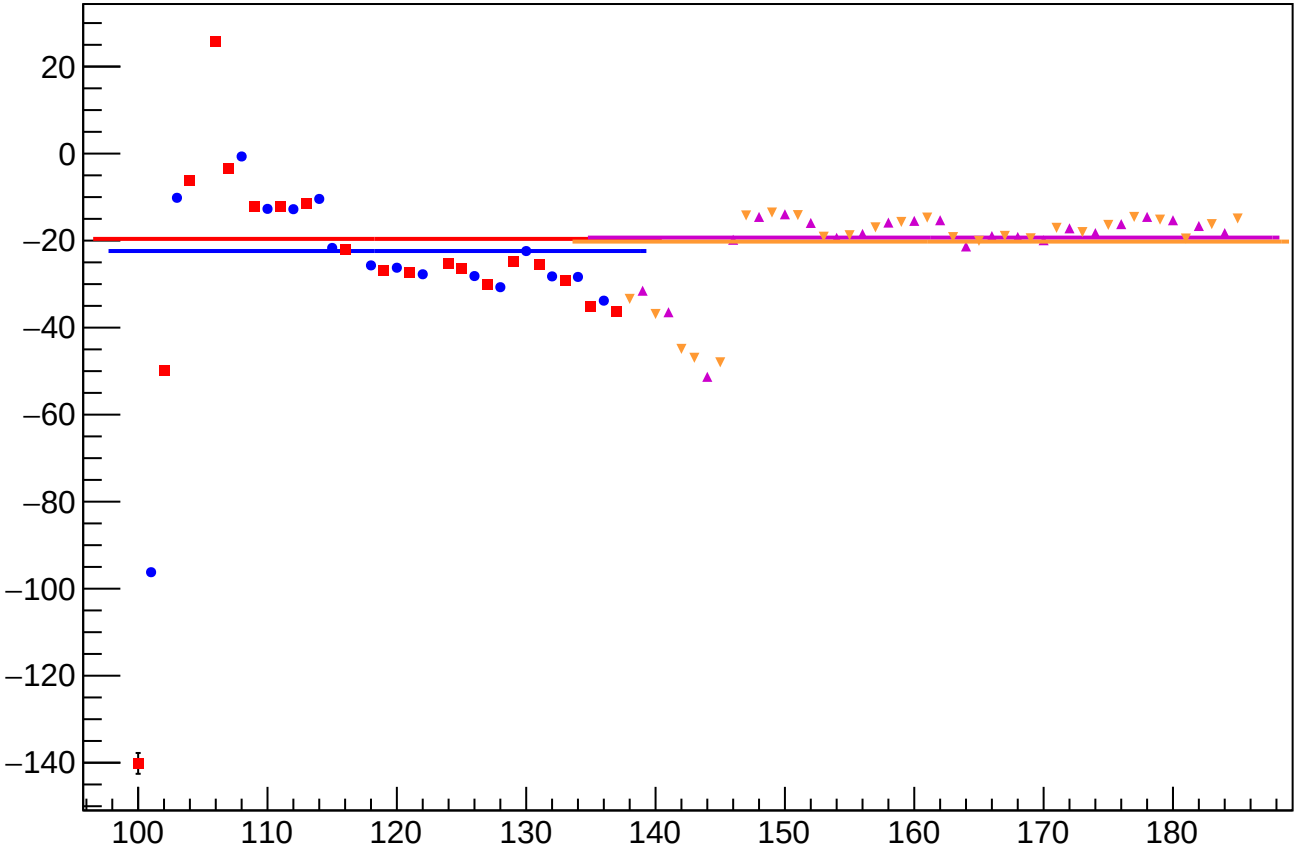
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -21.352+/-0.453 χ^2/NDF: 834.7/40

All: -21.675+/-0.323 χ^2/NDF: 1726.4/82

- 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: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

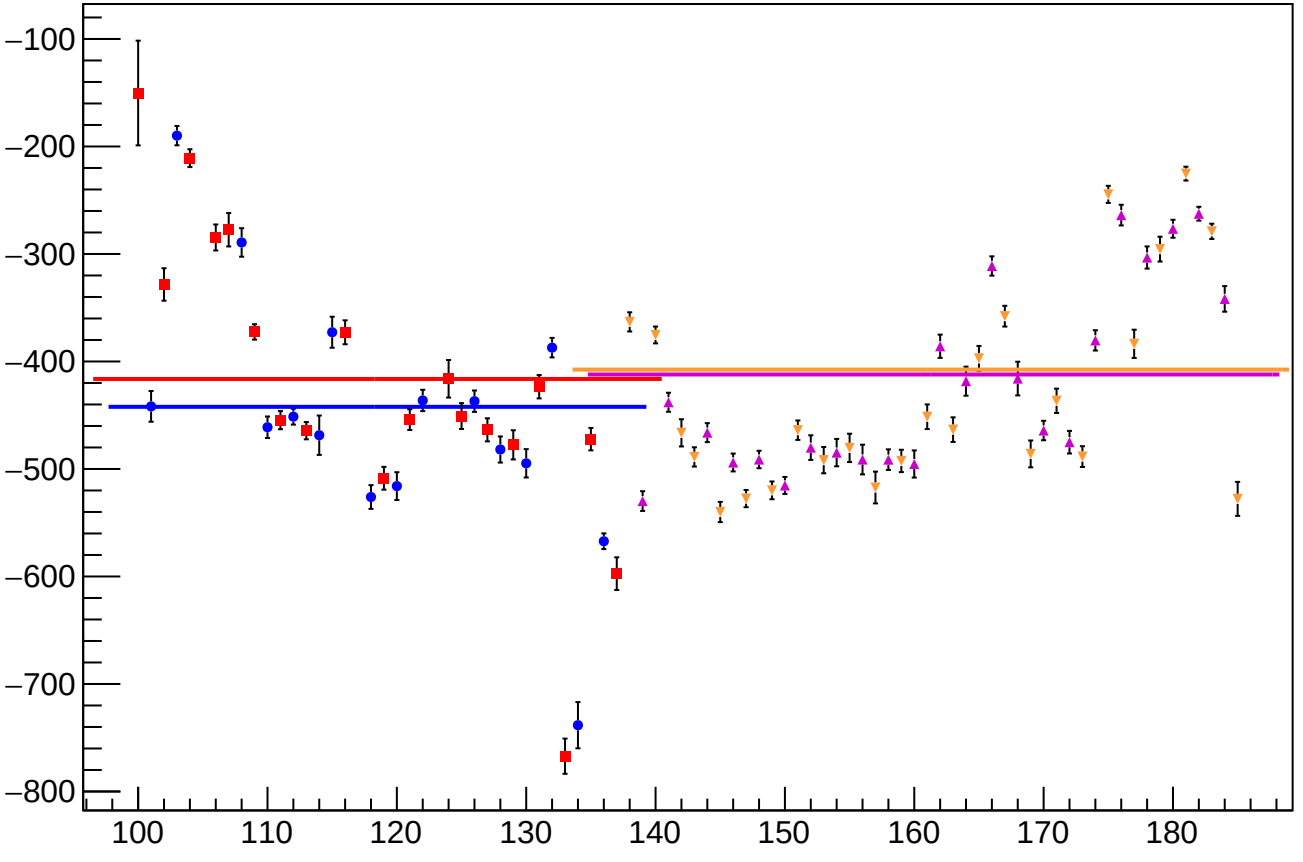
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -20.516+/-0.021 χ^2/NDF: 195070.4/40

All: -19.943+/-0.015 χ^2/NDF: 373524.1/82

- 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: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

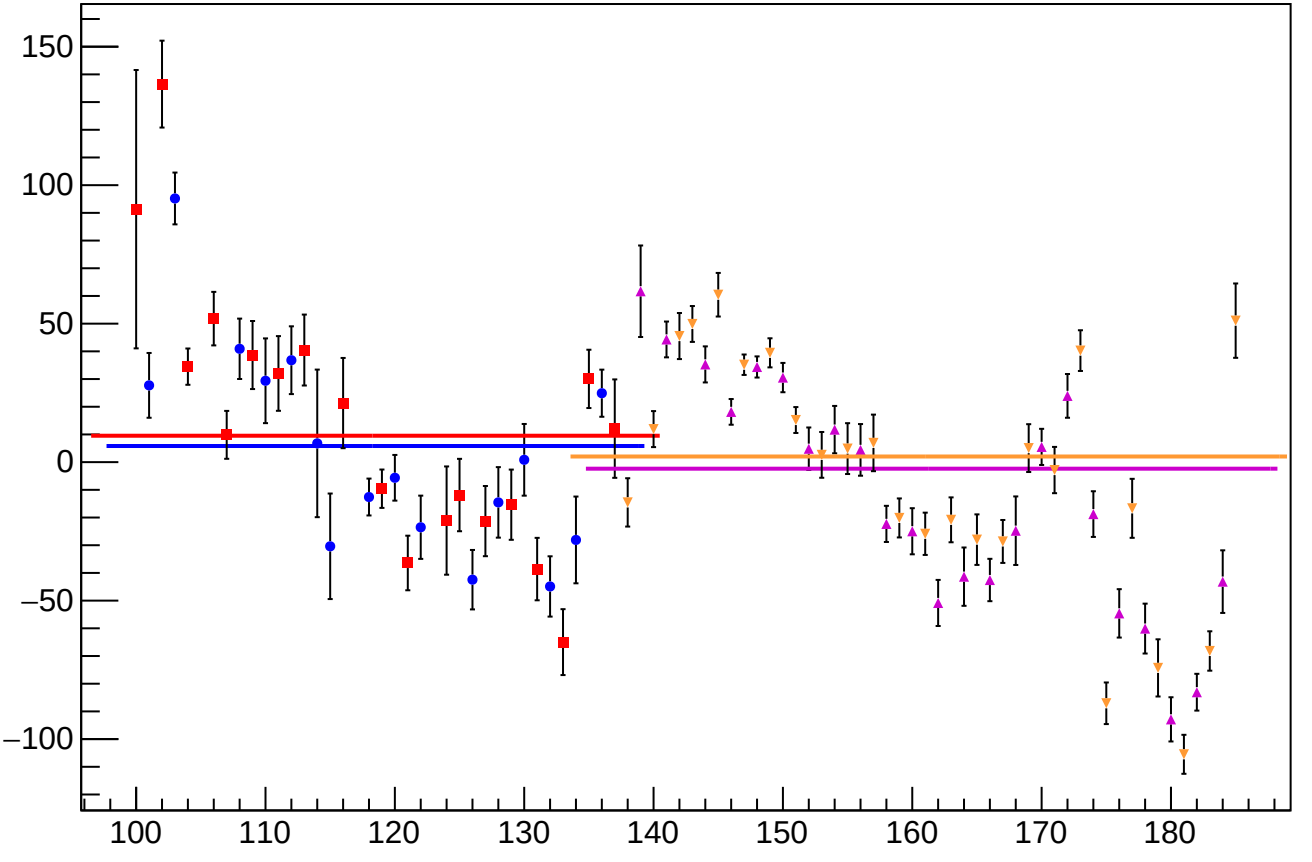
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -419.539+/-1.578 χ^2/NDF: 4570.7/40

All: -416.615+/-1.113 χ^2/NDF: 8515.3/82

- 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: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

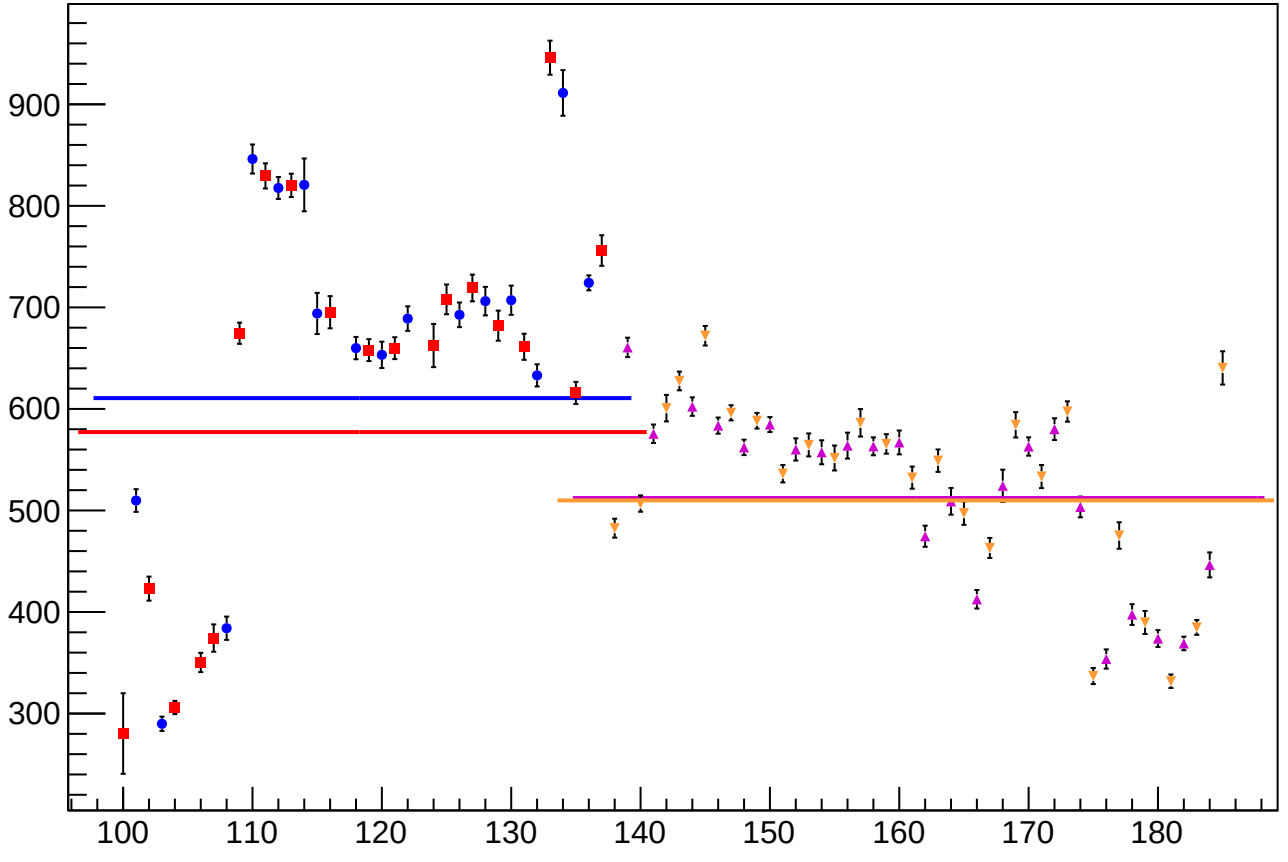
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 2.848+/-1.264 χ^2/NDF: 1100.4/40

All: 1.755+/-0.900 χ^2/NDF: 2073.6/82

- 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: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

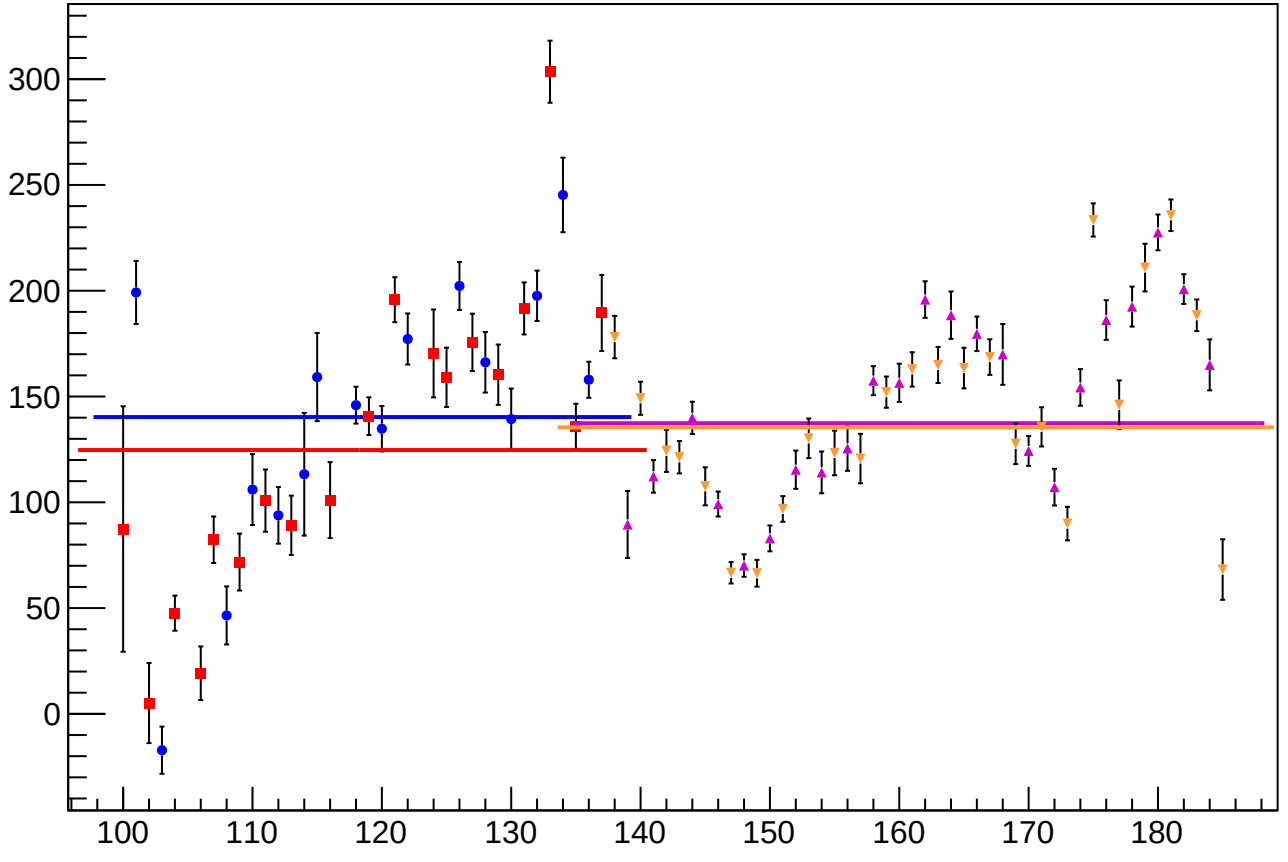
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 541.078+/-1.609 χ^2/NDF: 7393.2/40

All: 537.763+/-1.138 χ^2/NDF: 14655.5/82

- 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: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

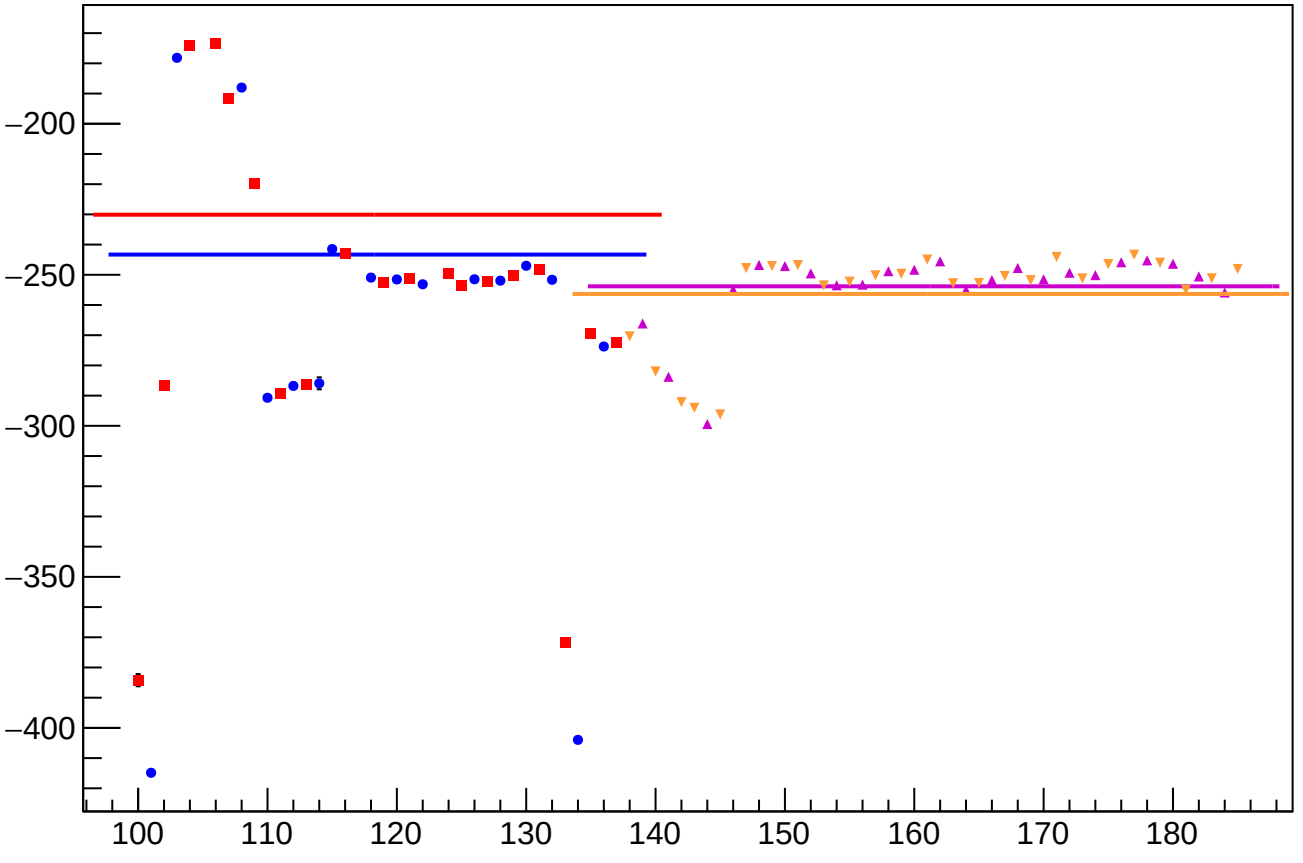
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 136.454+/-1.461 χ^2/NDF: 1310.4/40

All: 135.366+/-1.039 χ^2/NDF: 2539.7/82

- 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: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

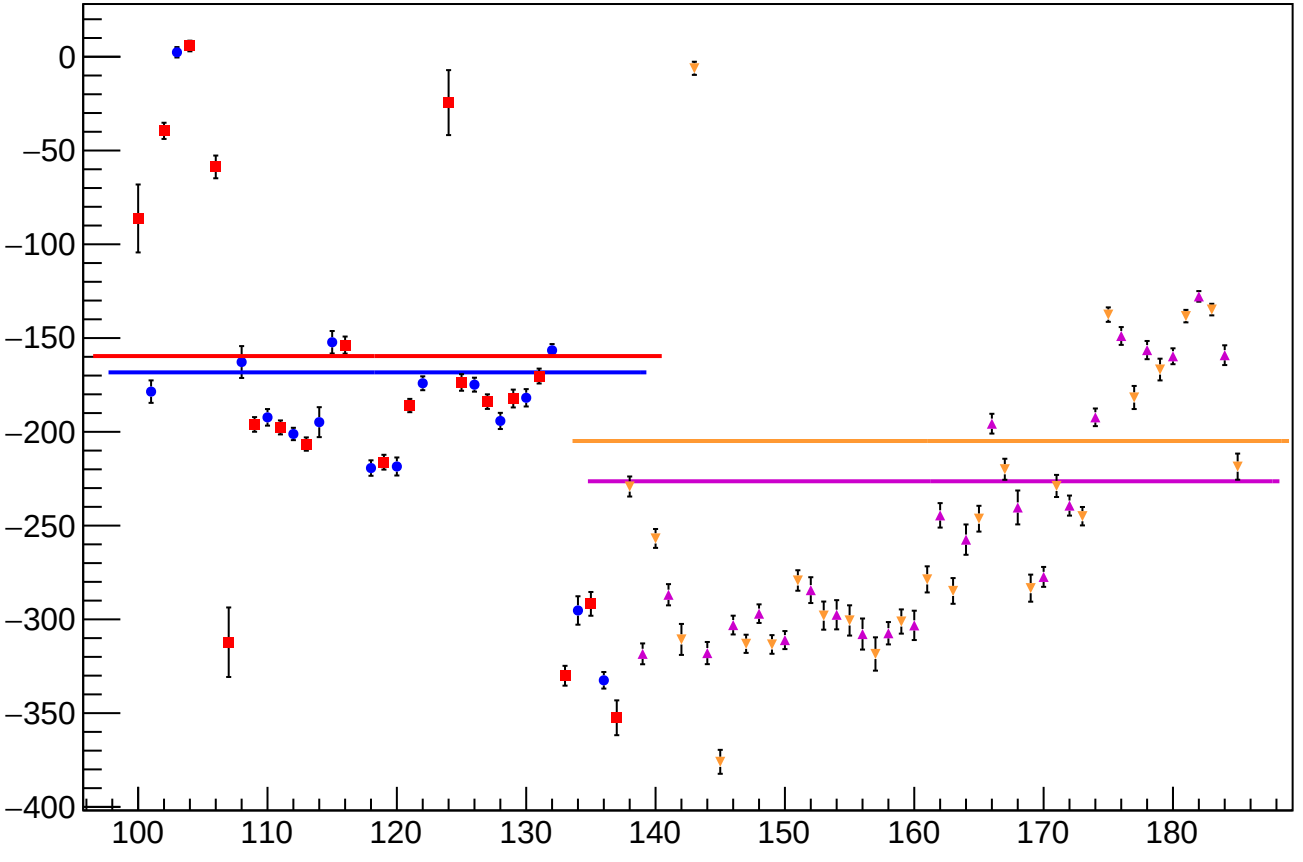
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -253.954+/-0.070 χ^2/NDF: 218256.1/40

All: -251.562+/-0.049 χ^2/NDF: 365389.2/82

- 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: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

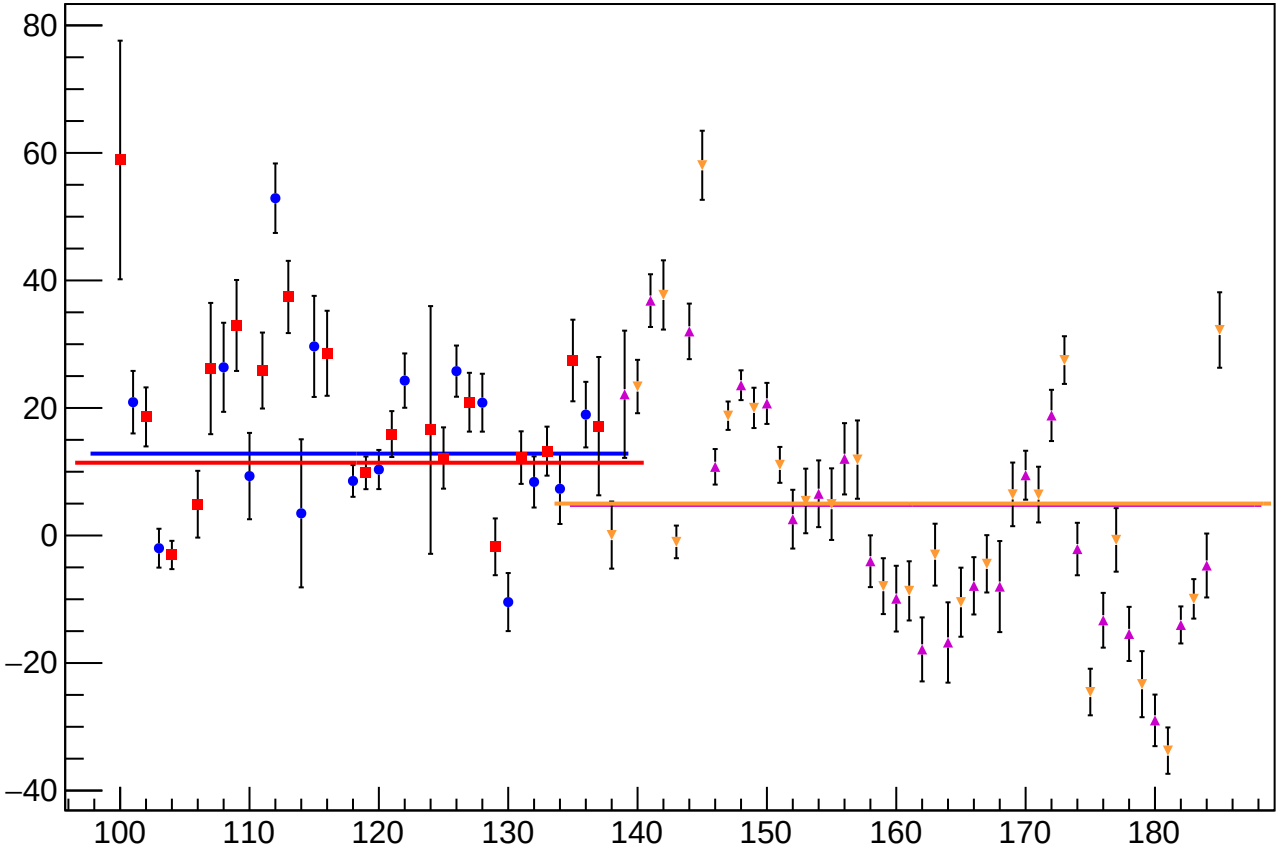
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -187.000+/-0.752 χ^2/NDF: 14325.6/40

All: -189.003+/-0.534 χ^2/NDF: 27688.5/82

- 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: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

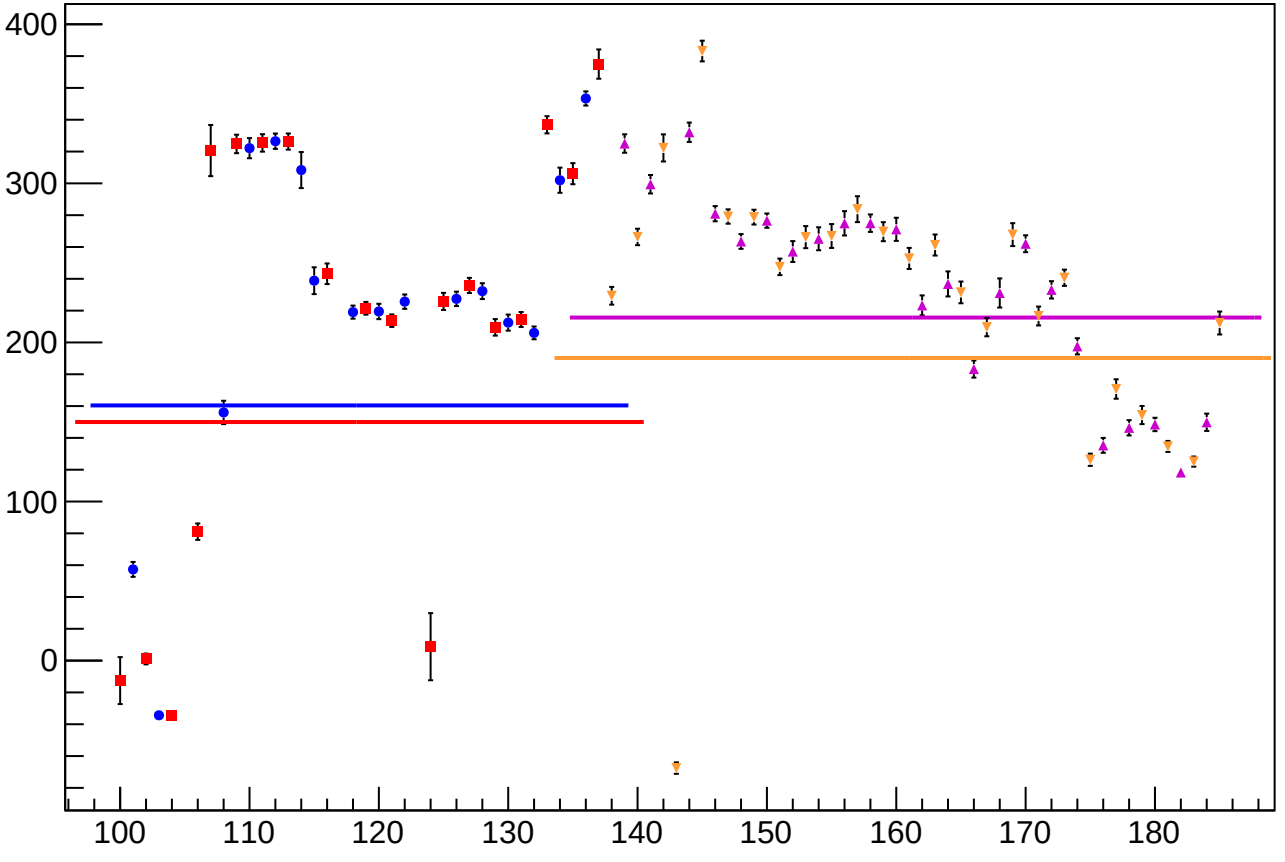
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 7.764+/-0.639 χ^2/NDF: 726.5/40

All: 7.610+/-0.457 χ^2/NDF: 1297.0/82

- 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: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

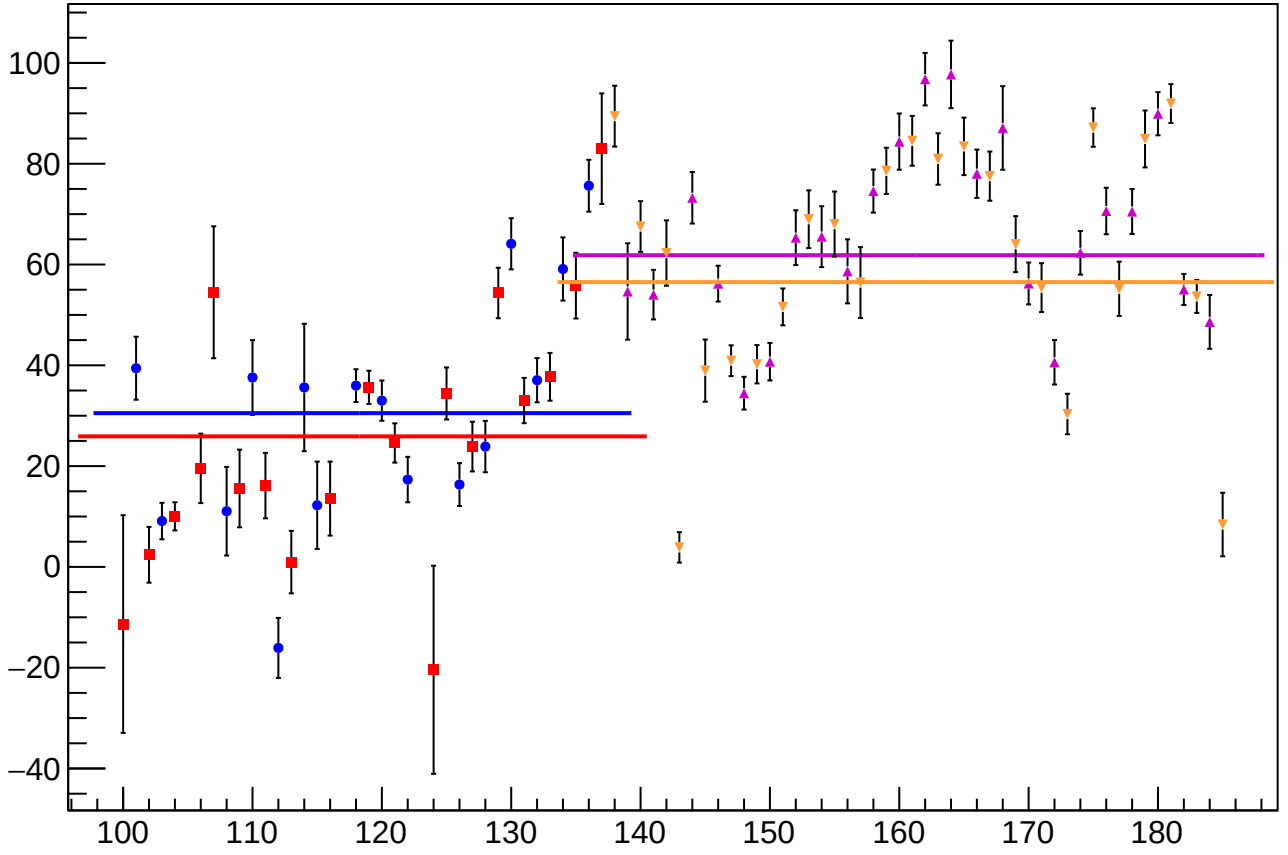
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 176.523+/-0.772 χ^2/NDF: 23704.1/40

All: 179.762+/-0.549 χ^2/NDF: 45665.0/82

- 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: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

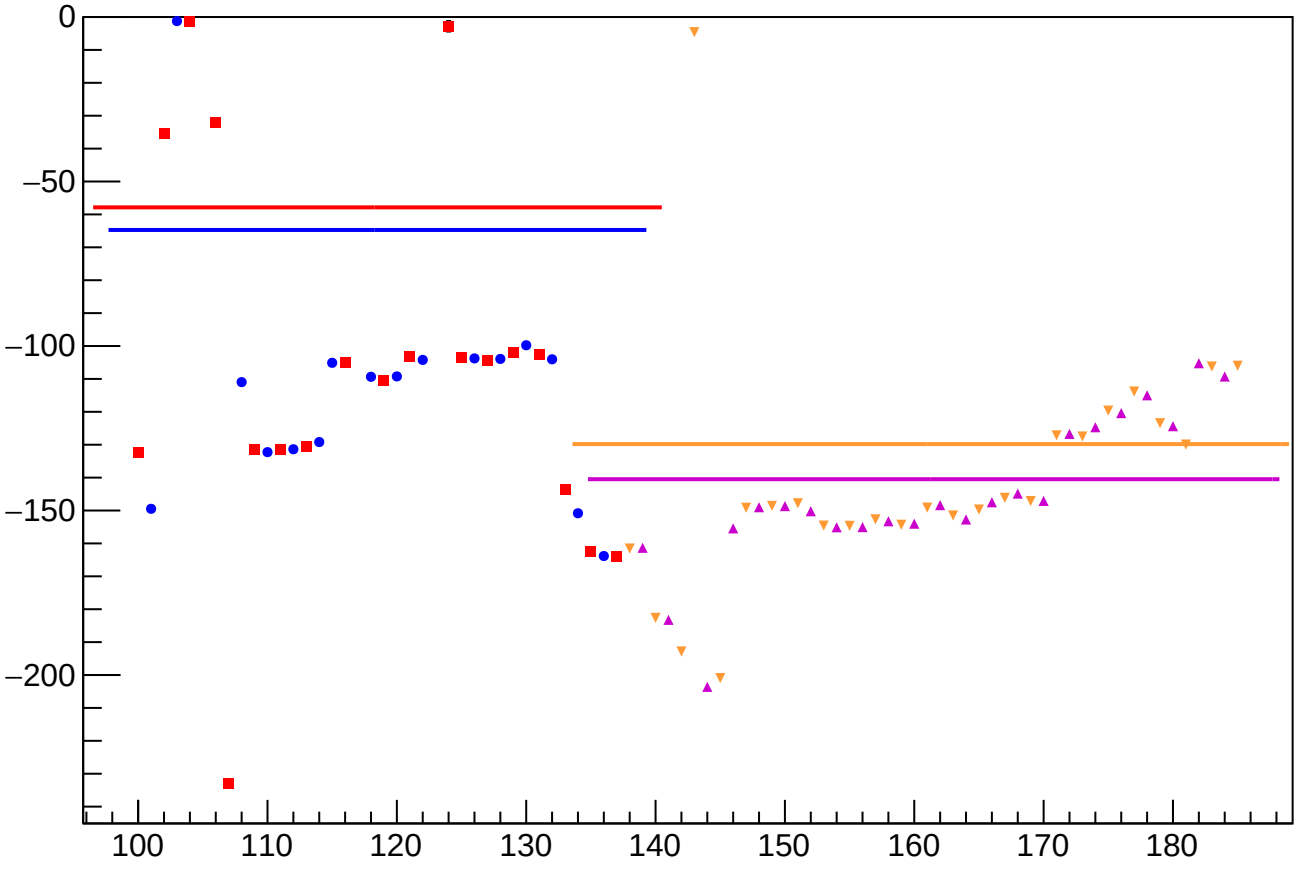
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 47.562+/-0.736 χ^2/NDF: 1357.5/40

All: 47.767+/-0.527 χ^2/NDF: 2405.5/82

- 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: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

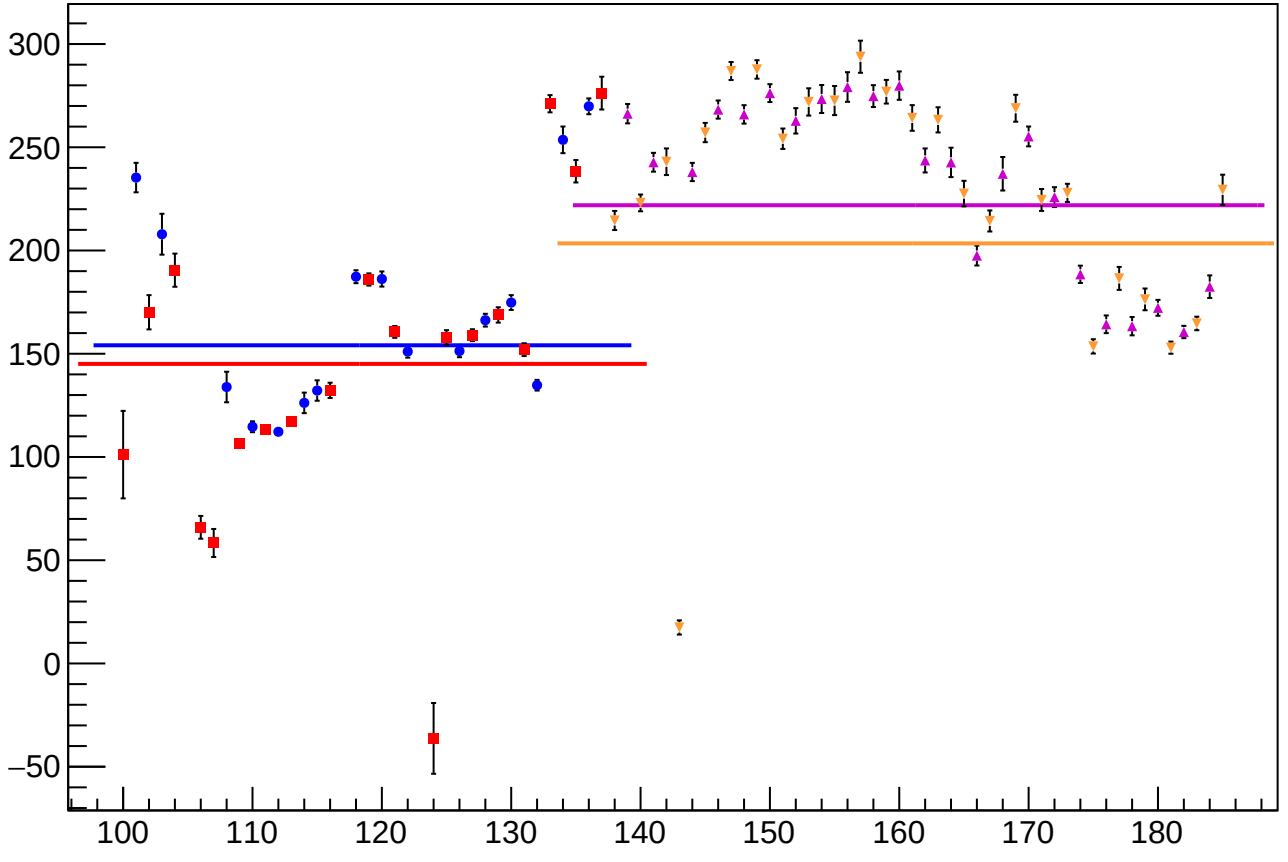
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.021+/-0.035 χ^2/NDF: 2794022.7/40

All: -111.570+/-0.025 χ^2/NDF: 5111631.6/82

- 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: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

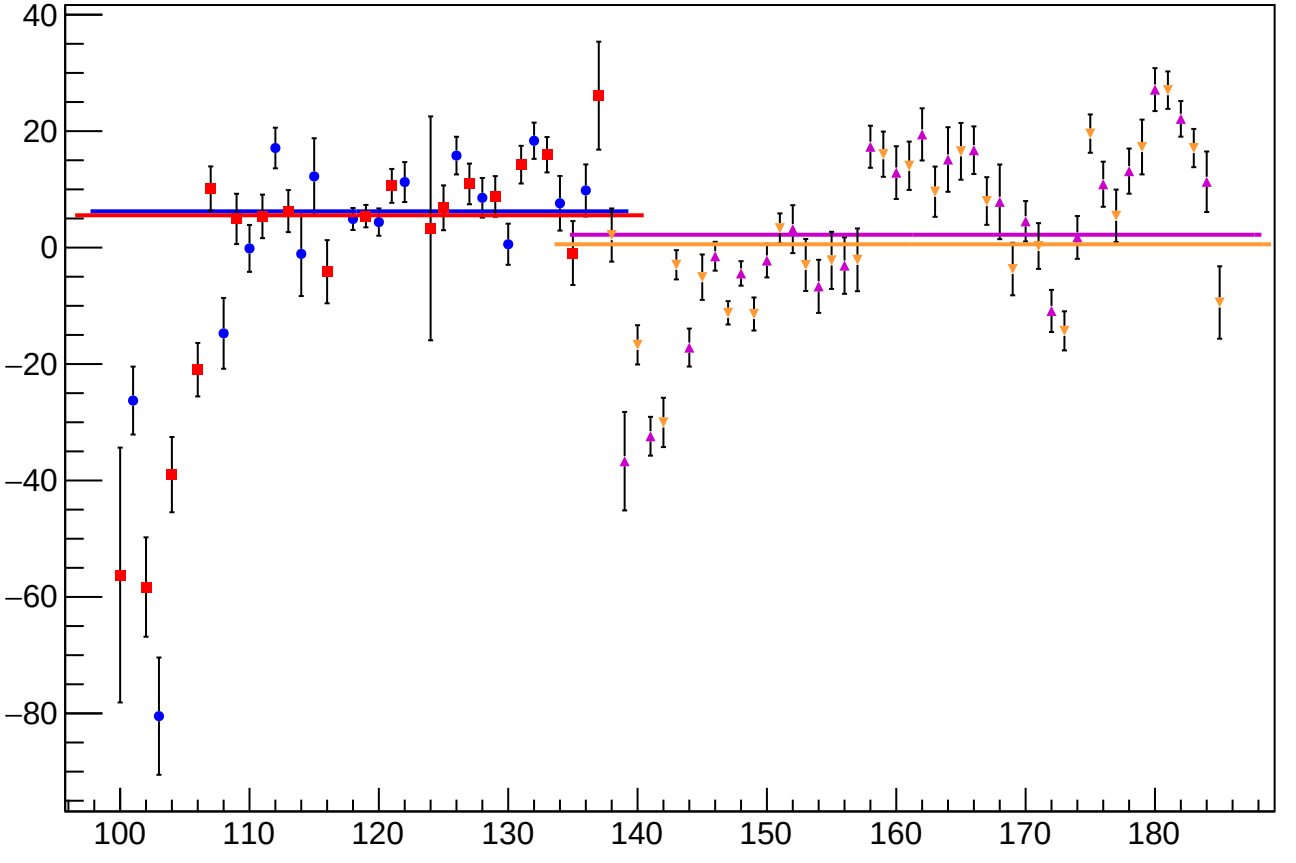
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 176.507+/-0.642 χ^2/NDF: 9237.1/40

All: 176.322+/-0.452 χ^2/NDF: 17679.8/82

- 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: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

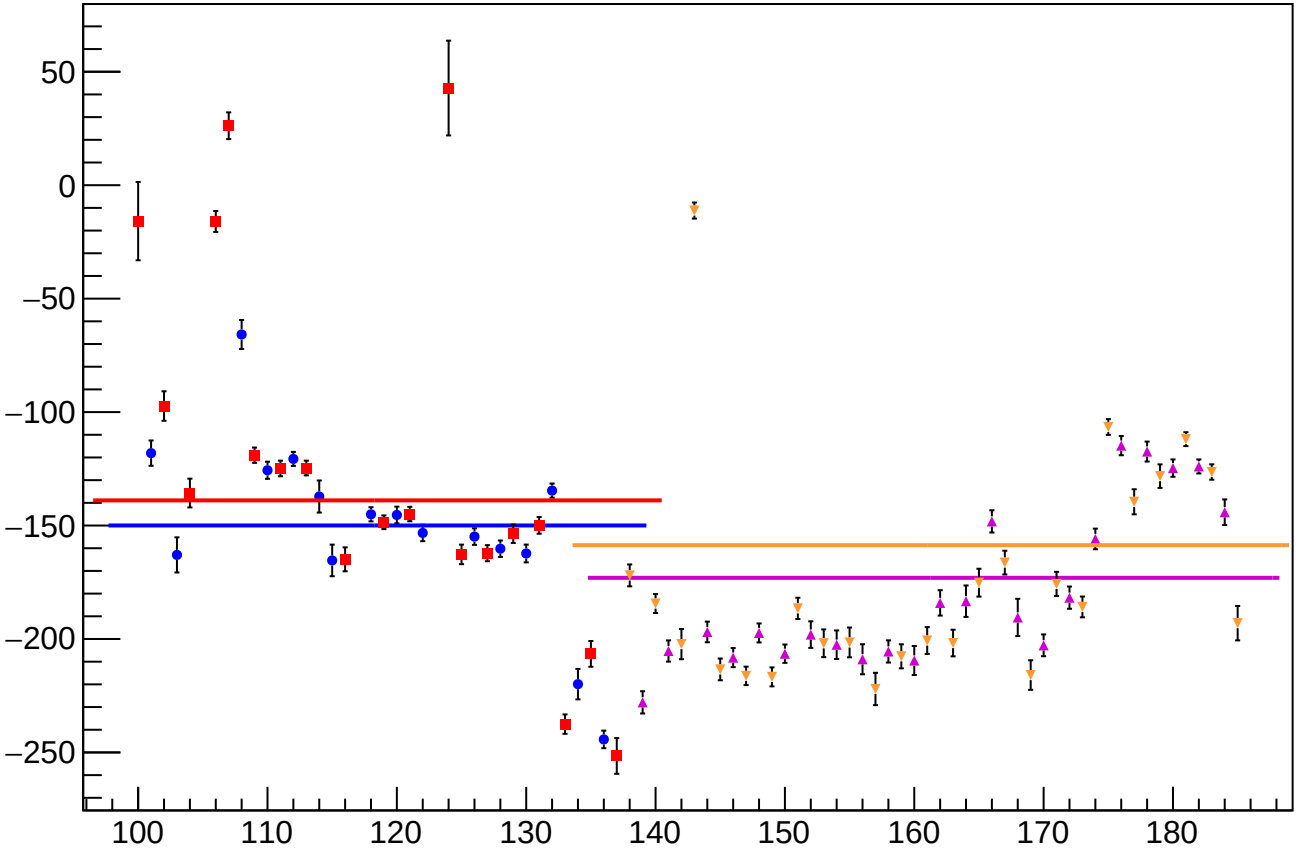
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 2.791+/-0.558 χ^2/NDF: 532.1/40

All: 3.190+/-0.401 χ^2/NDF: 1080.6/82

- 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: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

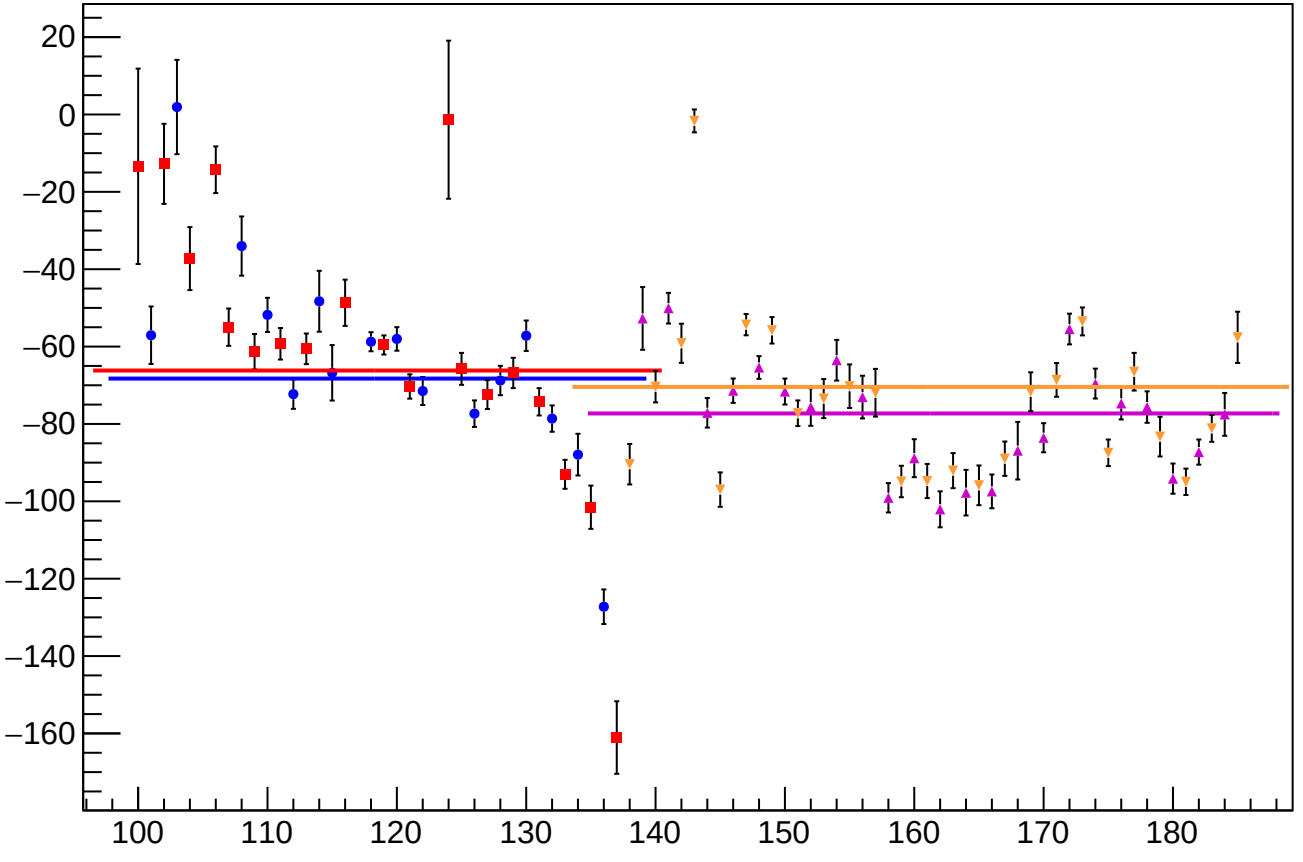
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -154.644+/-0.697 χ^2/NDF: 4629.8/40

All: -155.287+/-0.495 χ^2/NDF: 9371.3/82

- 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: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

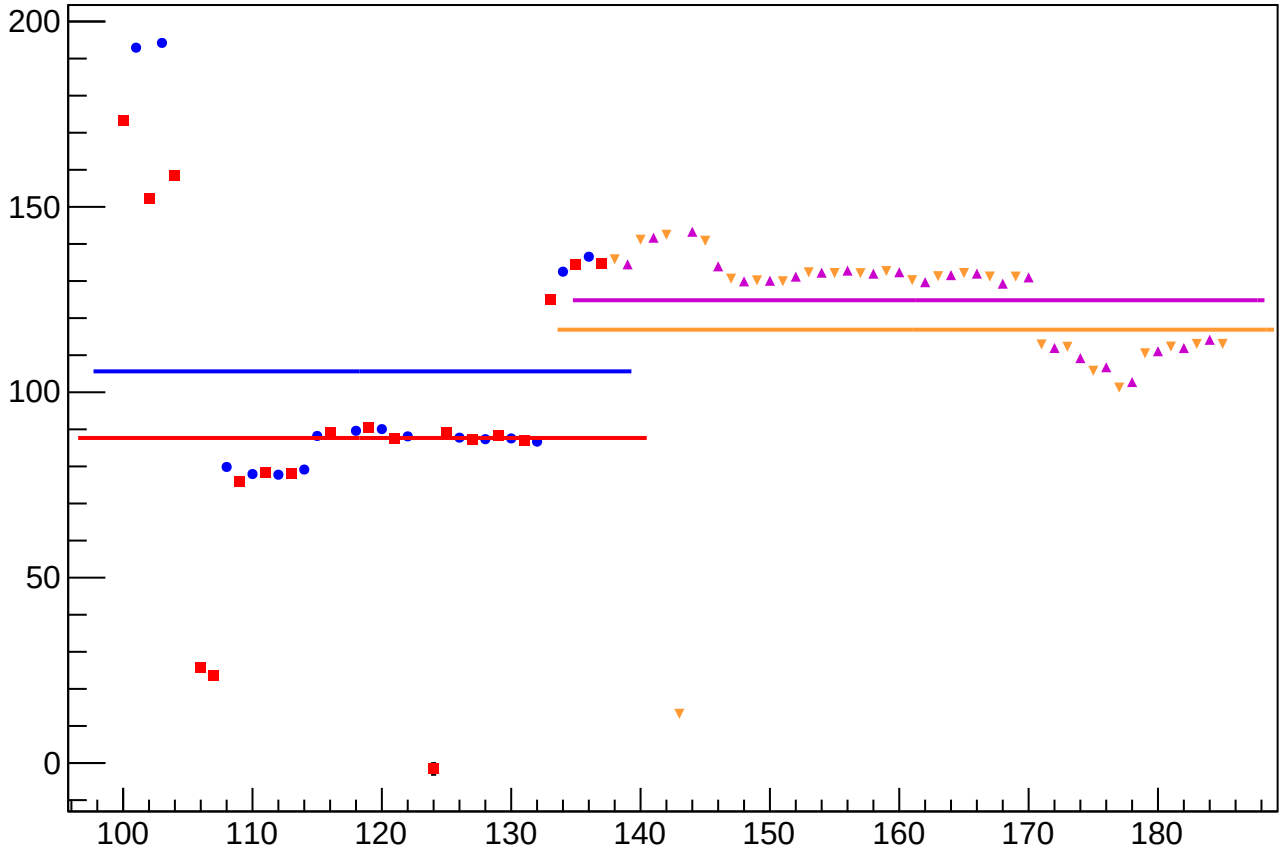
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -69.593+/-0.643 χ^2/NDF: 1219.7/40

All: -71.083+/-0.461 χ^2/NDF: 1911.9/82

- 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: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

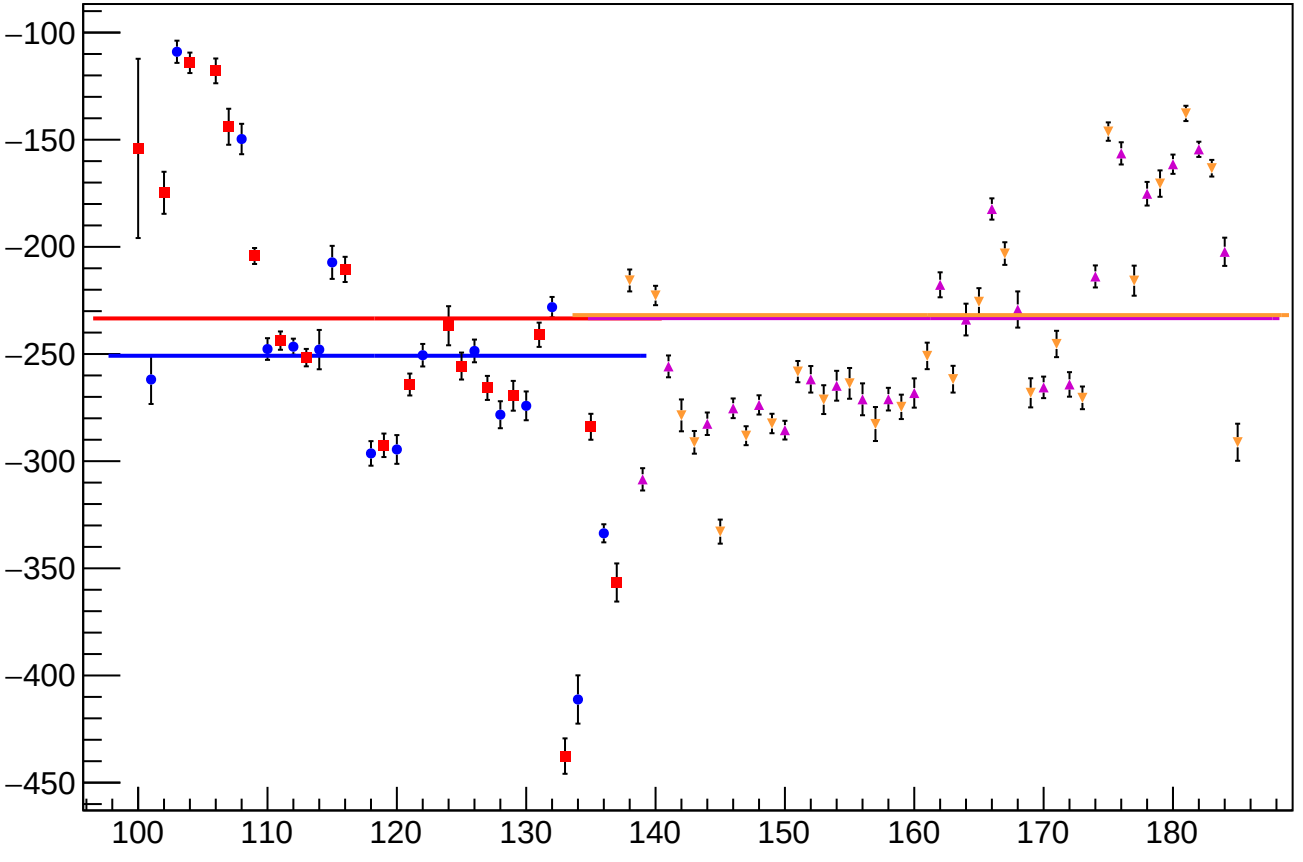
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

\+ sign 114.359+/-0.034 χ^2/NDF: 882259.5/40

All: 114.680+/-0.024 χ^2/NDF: 1580735.7/82

\- 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: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

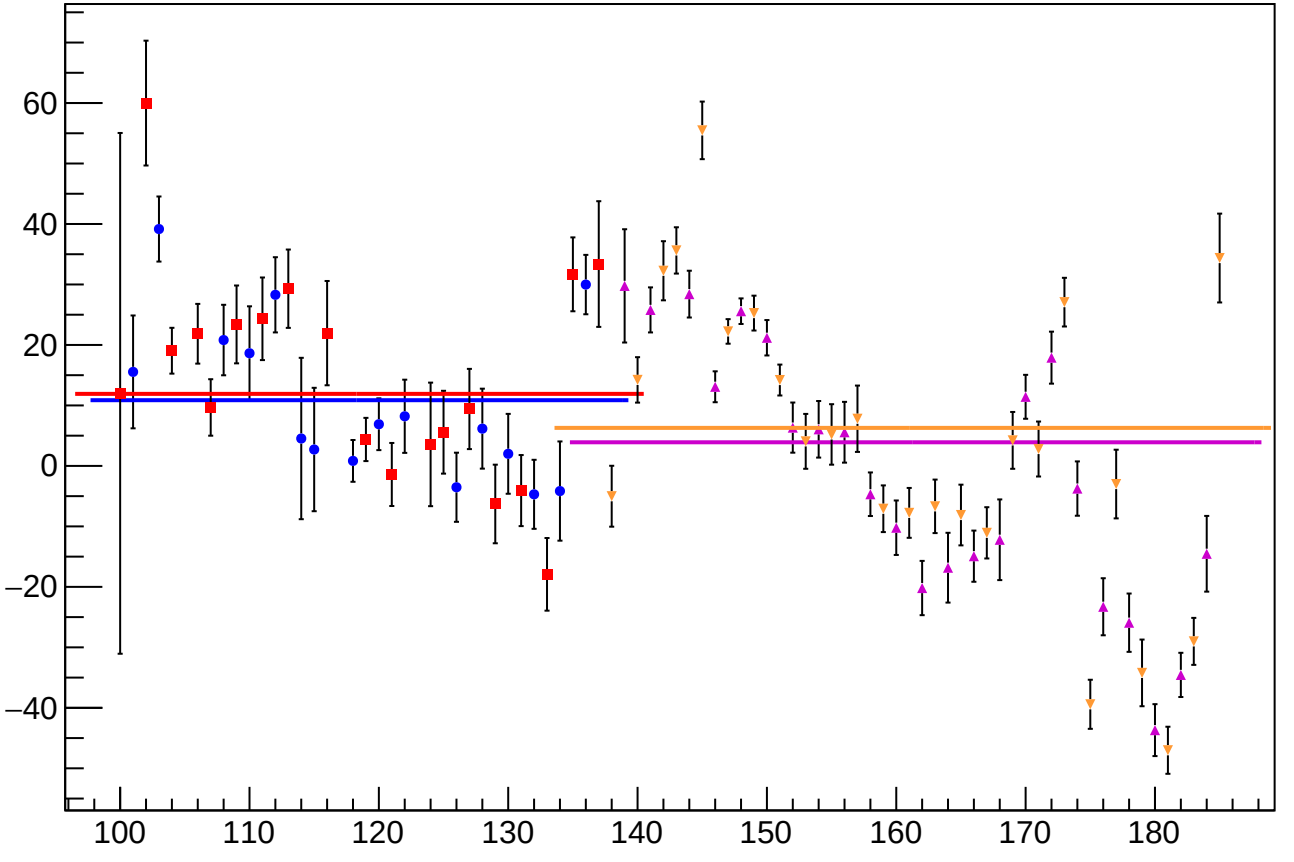
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -238.687+/-0.864 χ^2/NDF: 4523.5/40

All: -235.964+/-0.607 χ^2/NDF: 8988.6/82

- 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: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

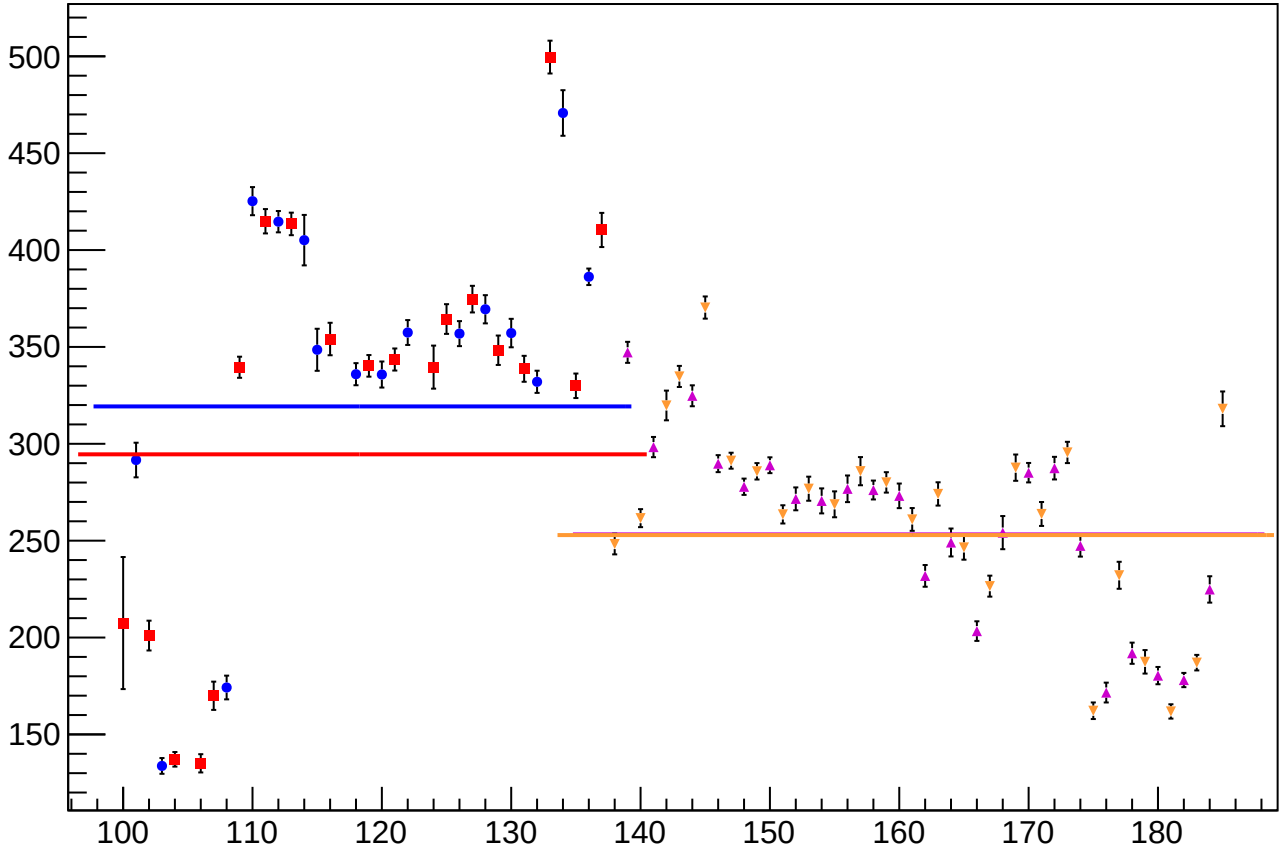
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 7.311+/-0.695 χ^2/NDF: 963.6/40

All: 6.670+/-0.494 χ^2/NDF: 1752.8/82

- 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: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

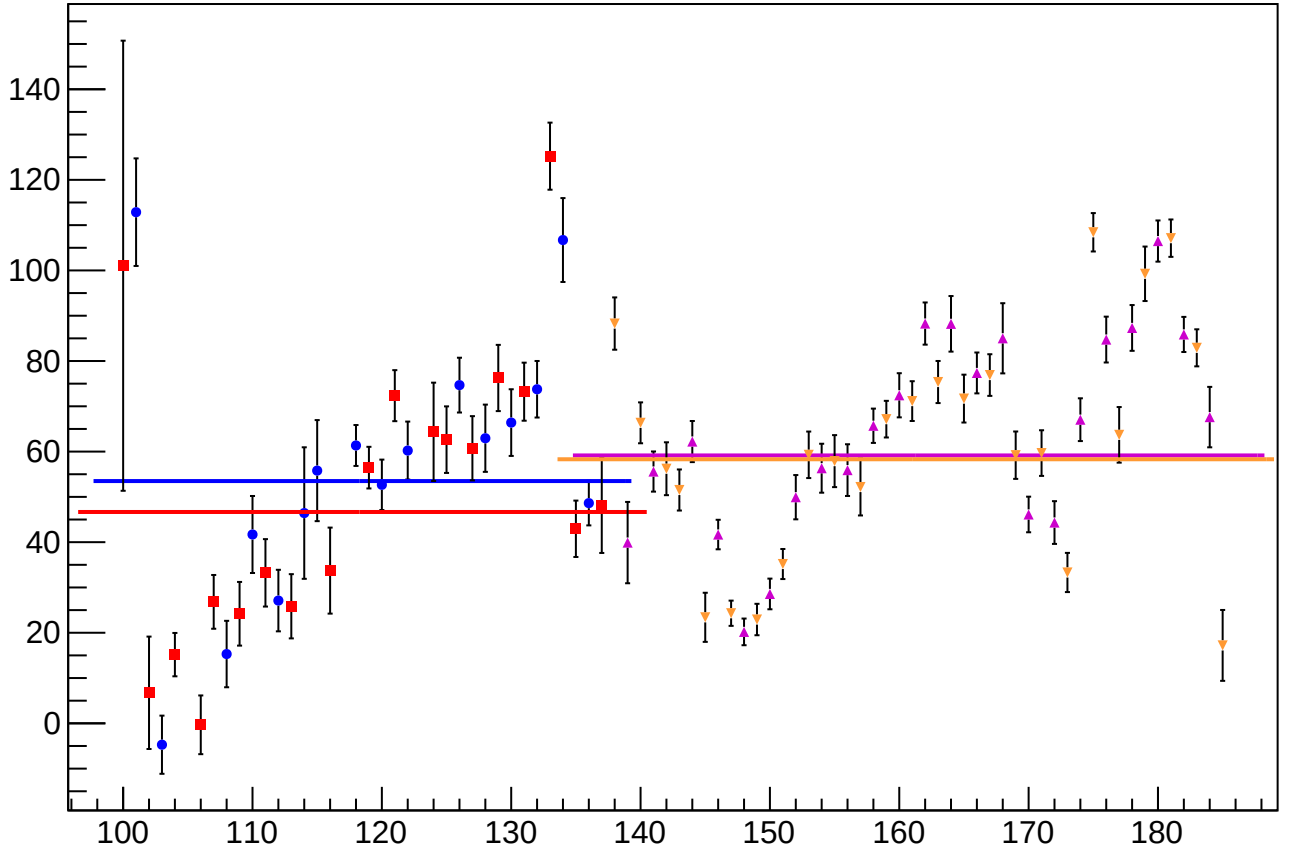
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 273.668+/-0.887 χ^2/NDF: 7576.3/40

All: 270.718+/-0.625 χ^2/NDF: 15664.7/82

- 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: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

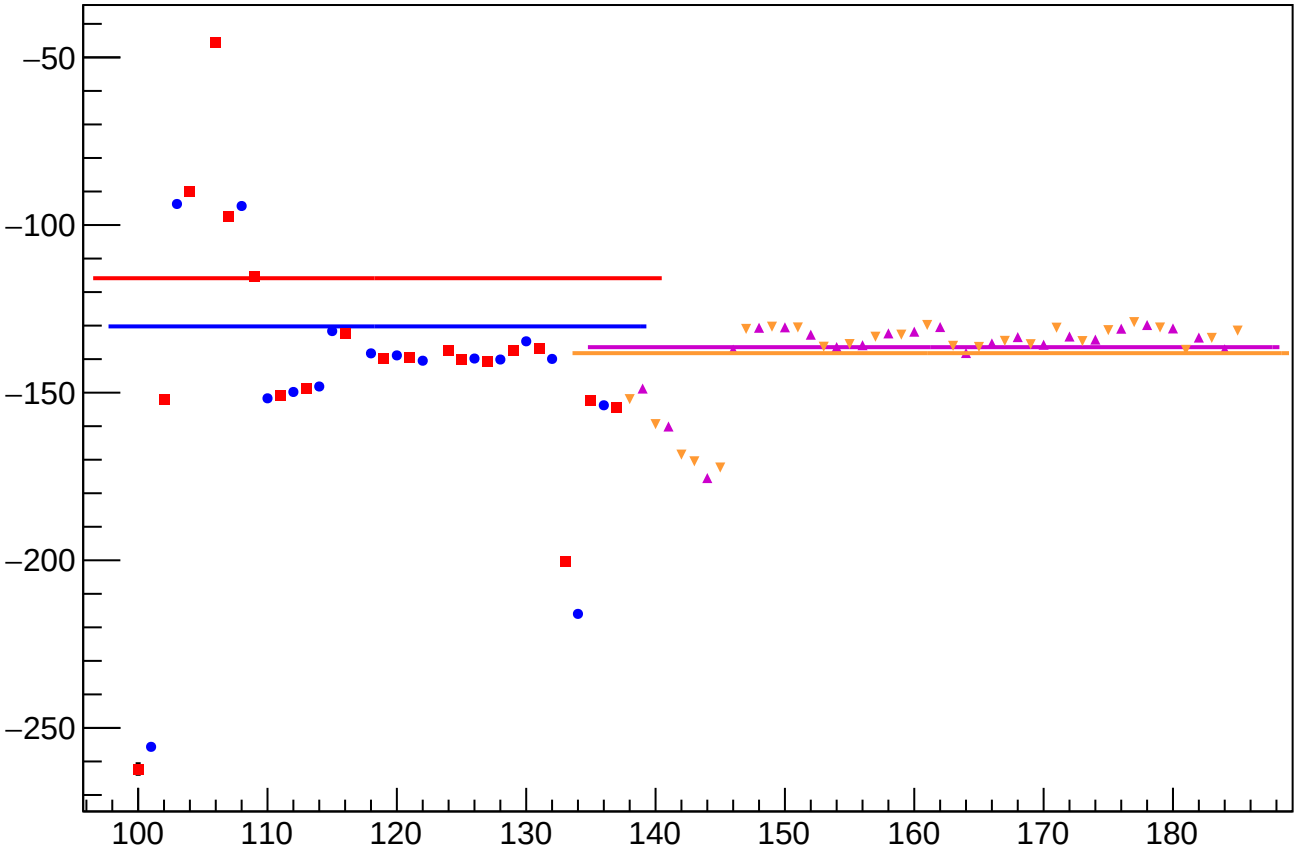
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 57.230+/-0.803 χ^2/NDF: 1073.7/40

All: 56.588+/-0.570 χ^2/NDF: 2078.6/82

- 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: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

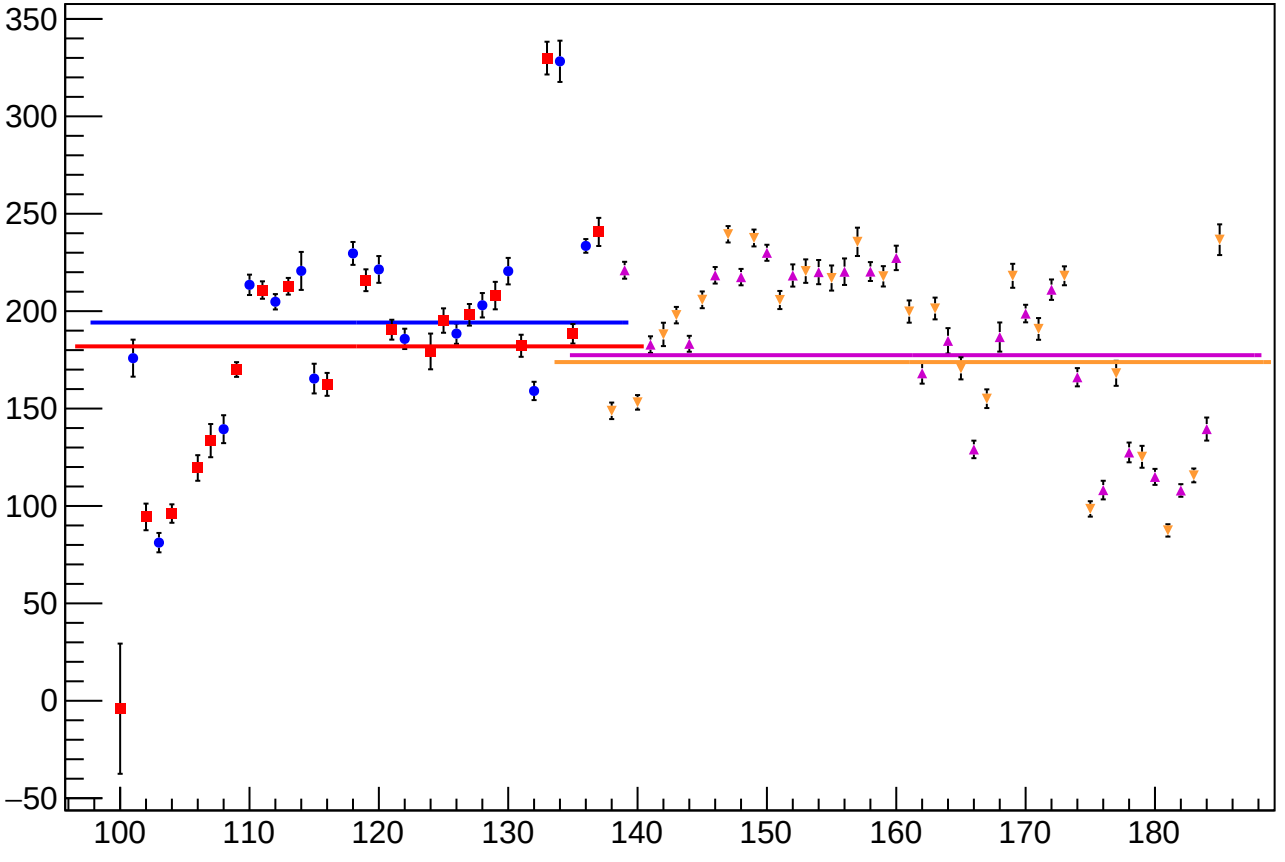
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -136.791+/-0.039 χ^2/NDF: 262342.9/40

All: -134.543+/-0.027 χ^2/NDF: 570857.8/82

- 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: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

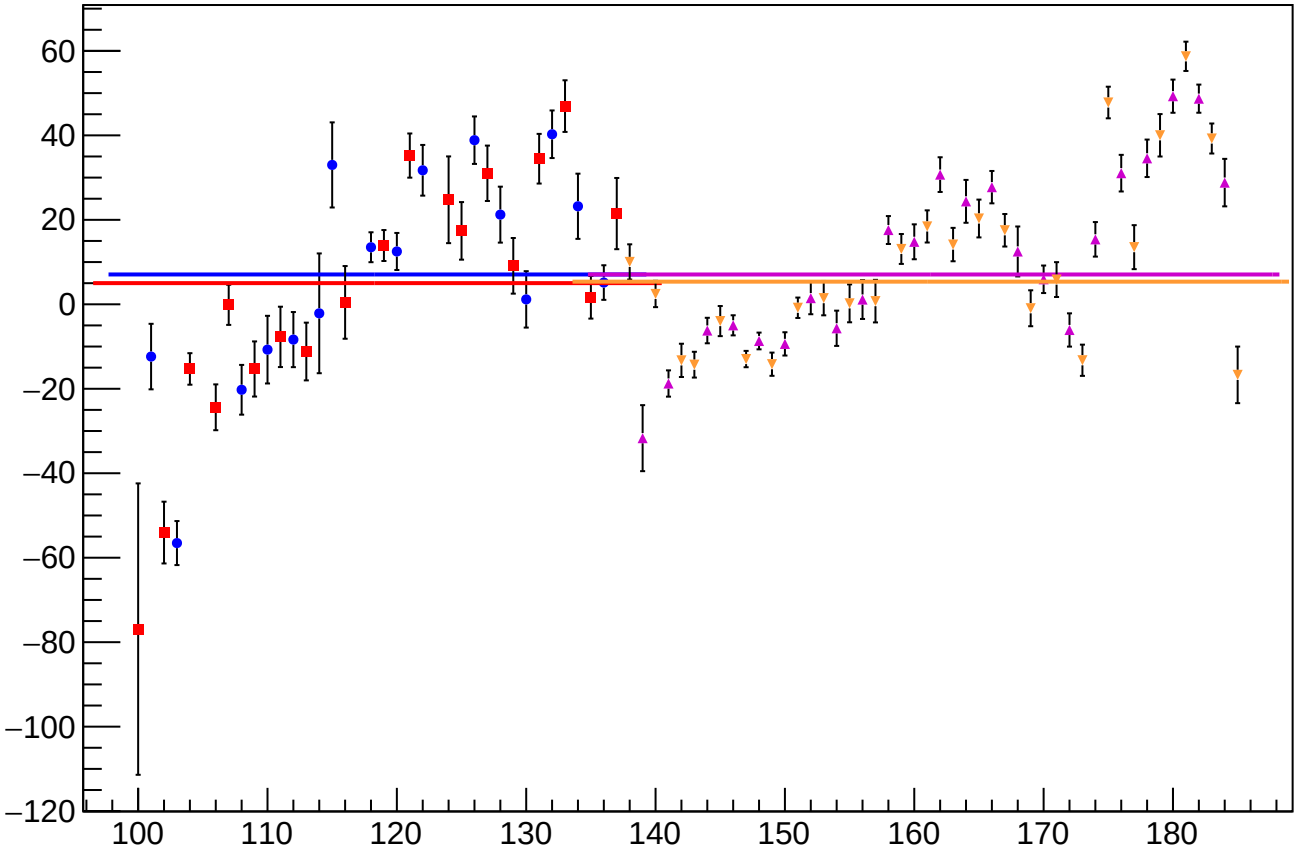
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 180.333+/-0.794 χ^2/NDF: 3804.7/40

All: 179.687+/-0.562 χ^2/NDF: 6981.3/82

- 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: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

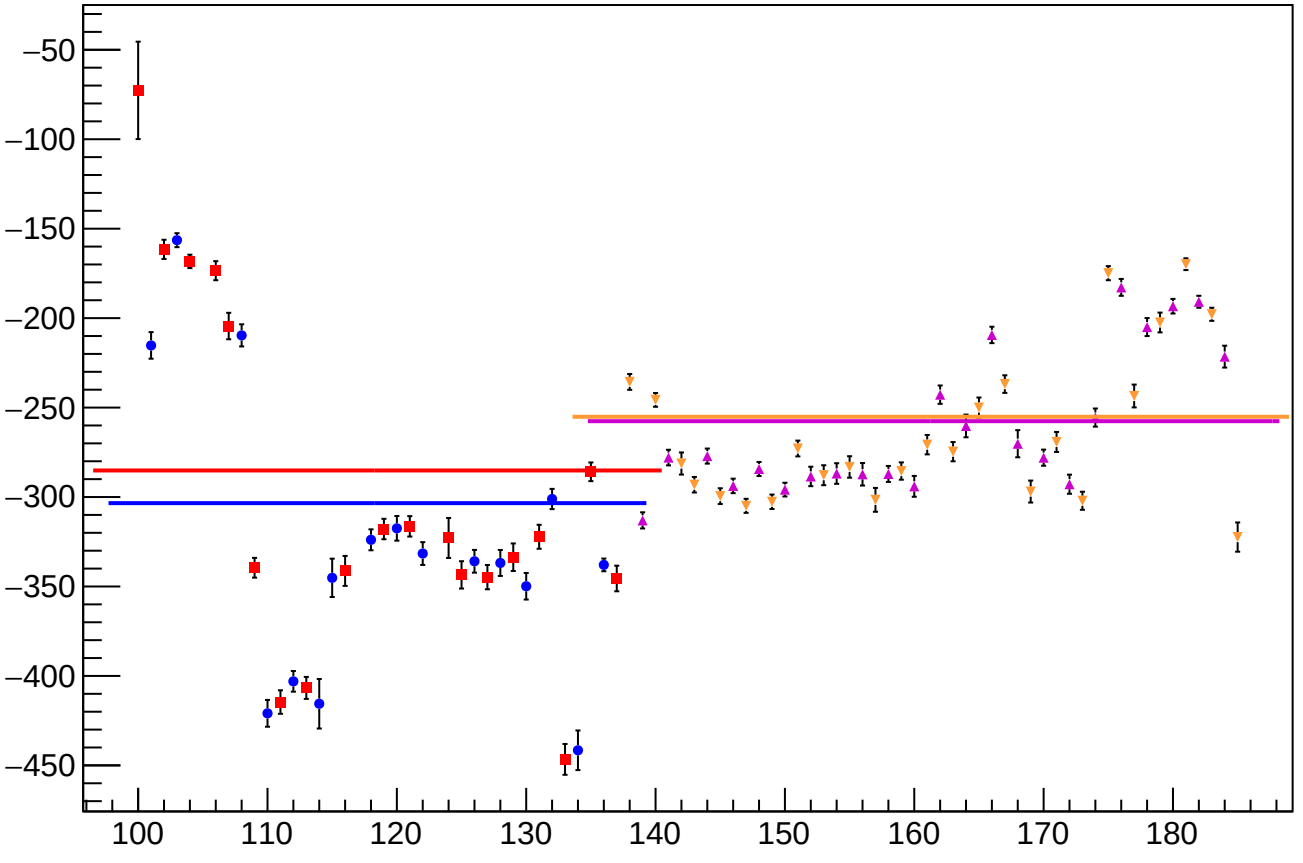
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 5.695+/-0.637 χ^2/NDF: 1103.7/40

All: 6.133+/-0.455 χ^2/NDF: 2104.6/82

- 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: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

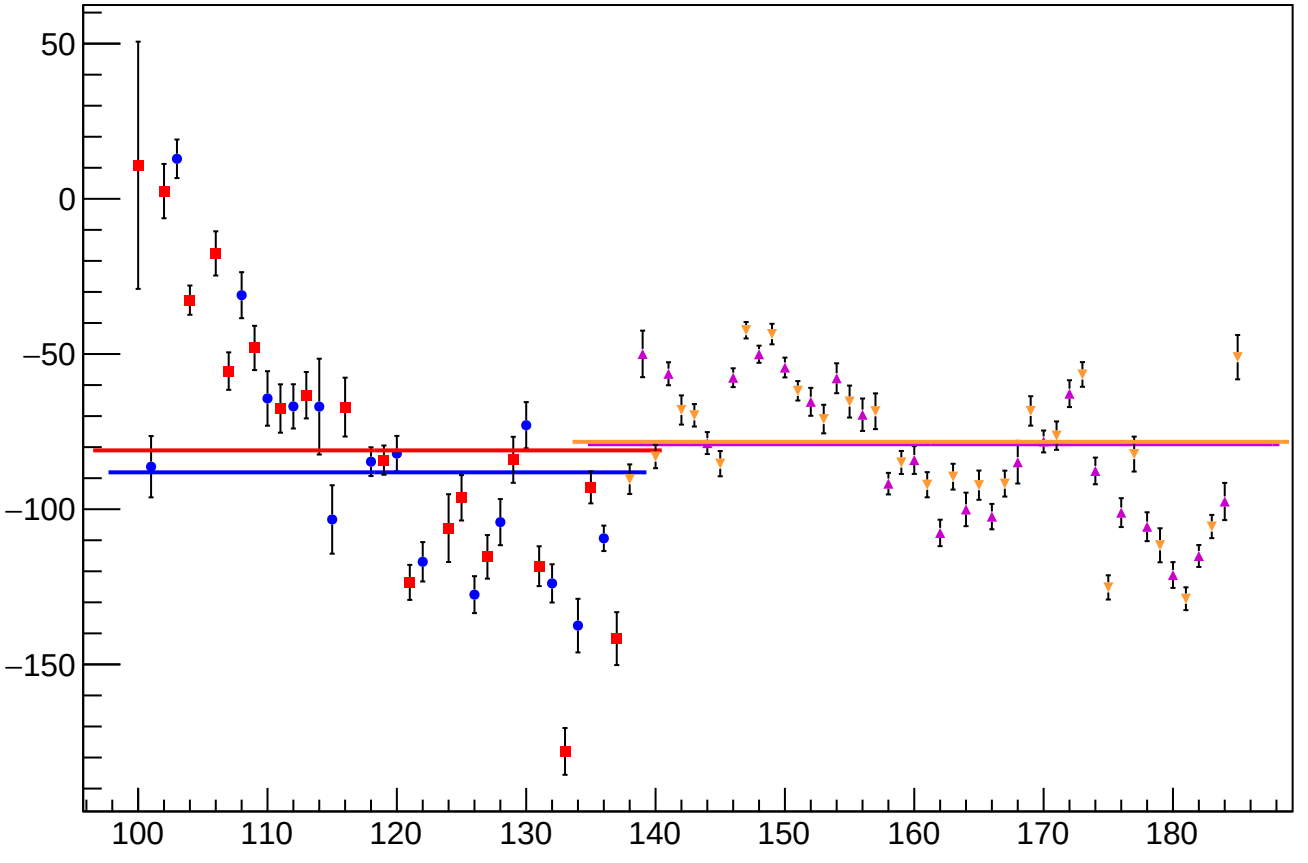
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -268.686+/-0.811 χ^2/NDF: 5846.5/40

All: -267.493+/-0.575 χ^2/NDF: 11660.6/82

- 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: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

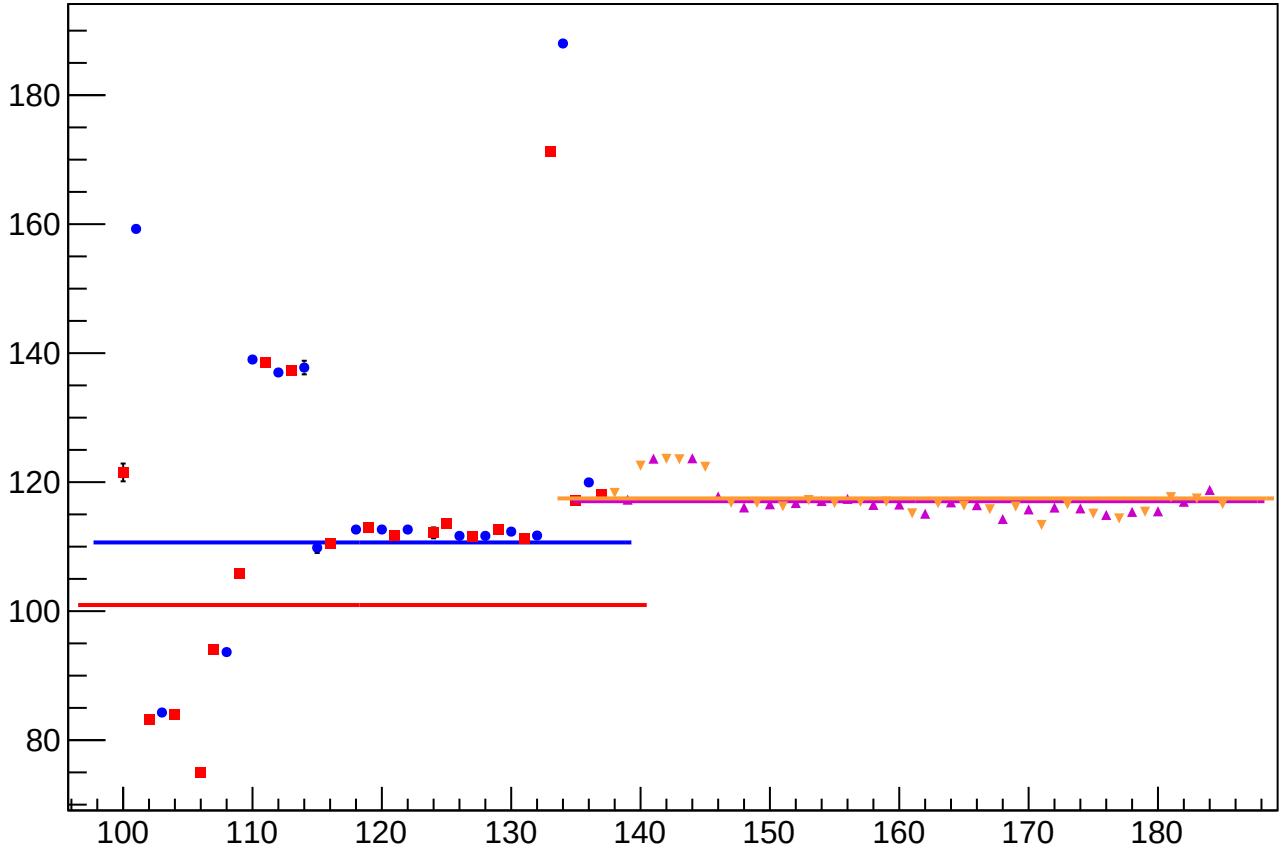
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -80.224+/-0.734 χ^2/NDF: 1408.4/40

All: -79.876+/-0.523 χ^2/NDF: 2790.3/82

- 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: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

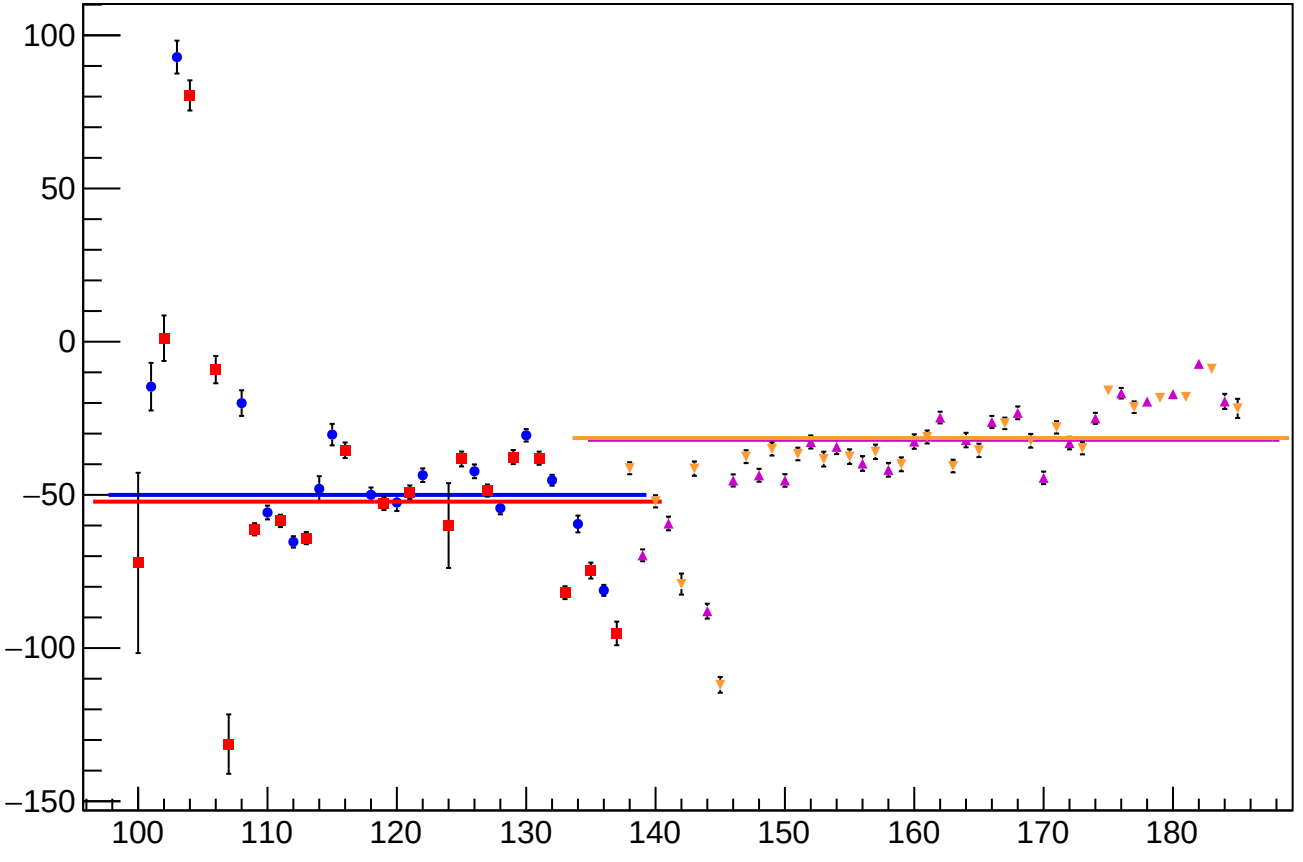
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.358+/-0.035 χ^2/NDF: 93550.2/40

All: 115.214+/-0.025 χ^2/NDF: 193266.8/82

- 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: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

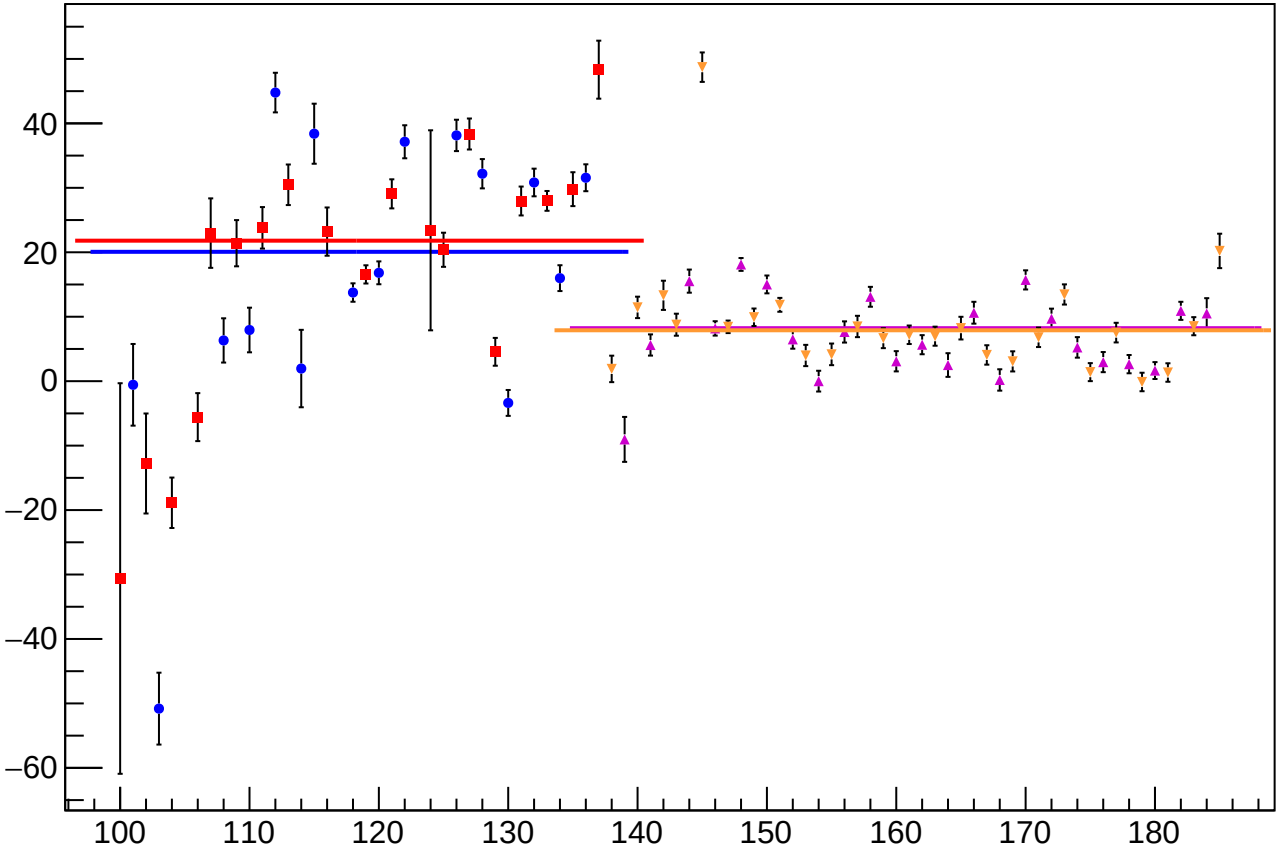
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -37.011+/-0.334 χ^2/NDF: 3967.8/40

All: -37.670+/-0.238 χ^2/NDF: 8223.8/82

\- 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: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

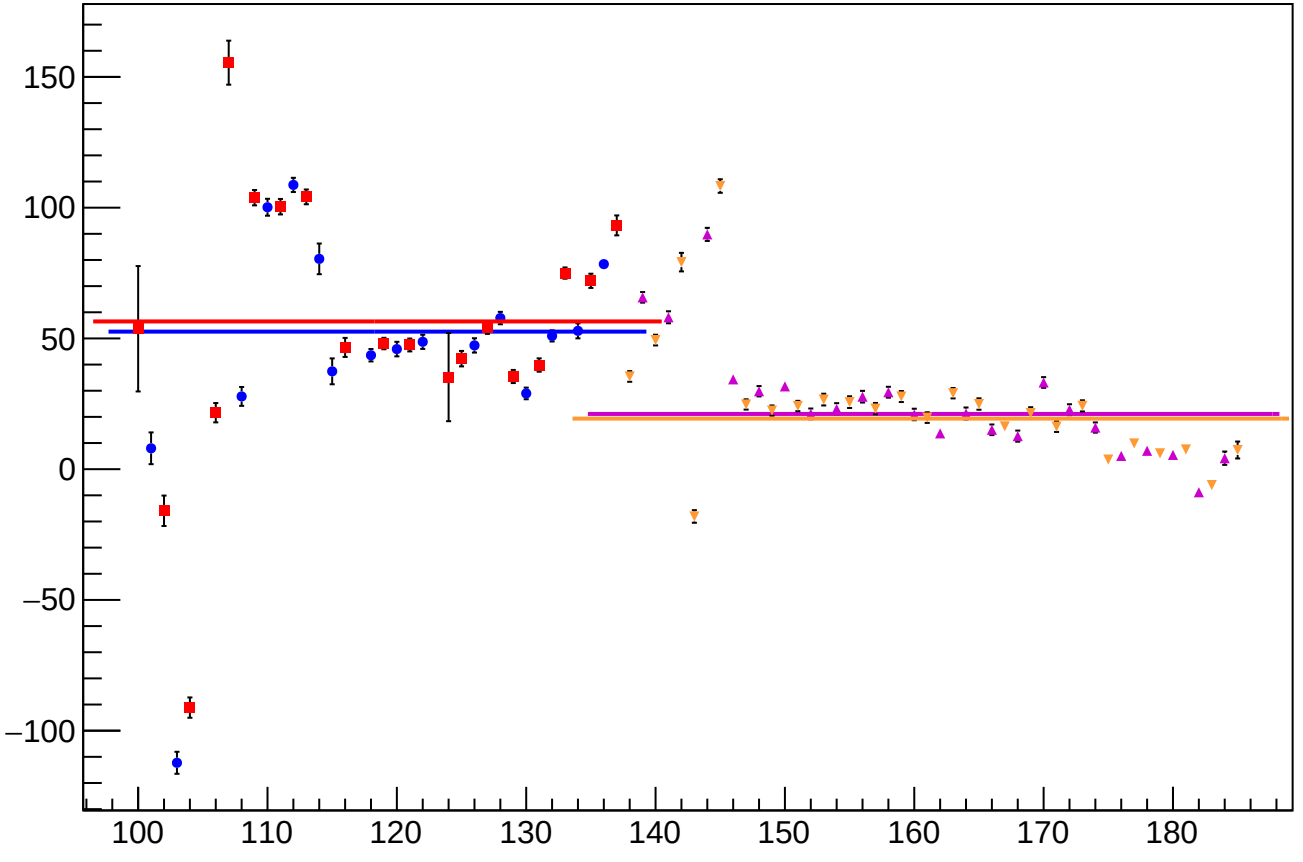
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 10.305+/-0.272 χ^2/NDF: 1444.3/40

All: 10.642+/-0.196 χ^2/NDF: 2561.5/82

- 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: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

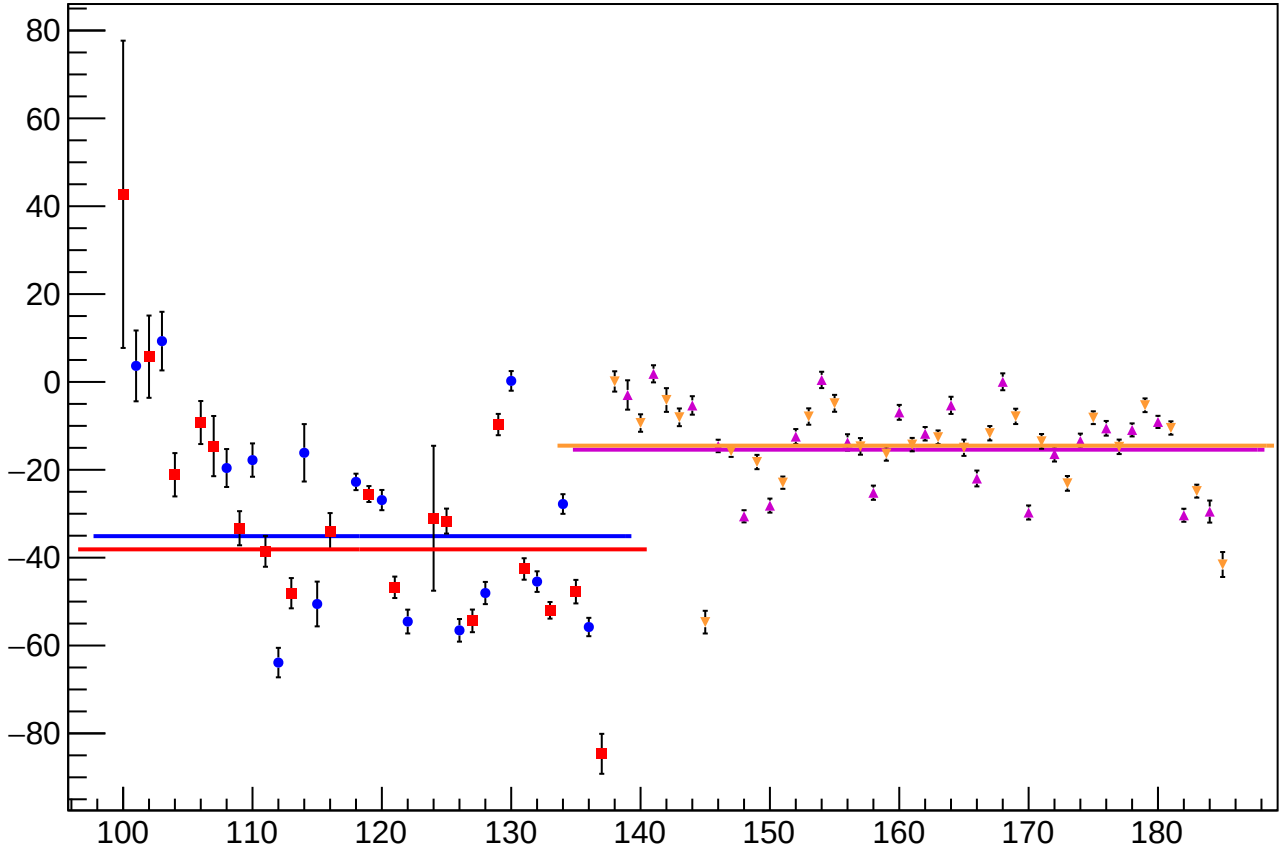
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 27.455+/-0.344 χ^2/NDF: 7067.2/40

All: 28.645+/-0.246 χ^2/NDF: 14453.8/82

\- 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: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

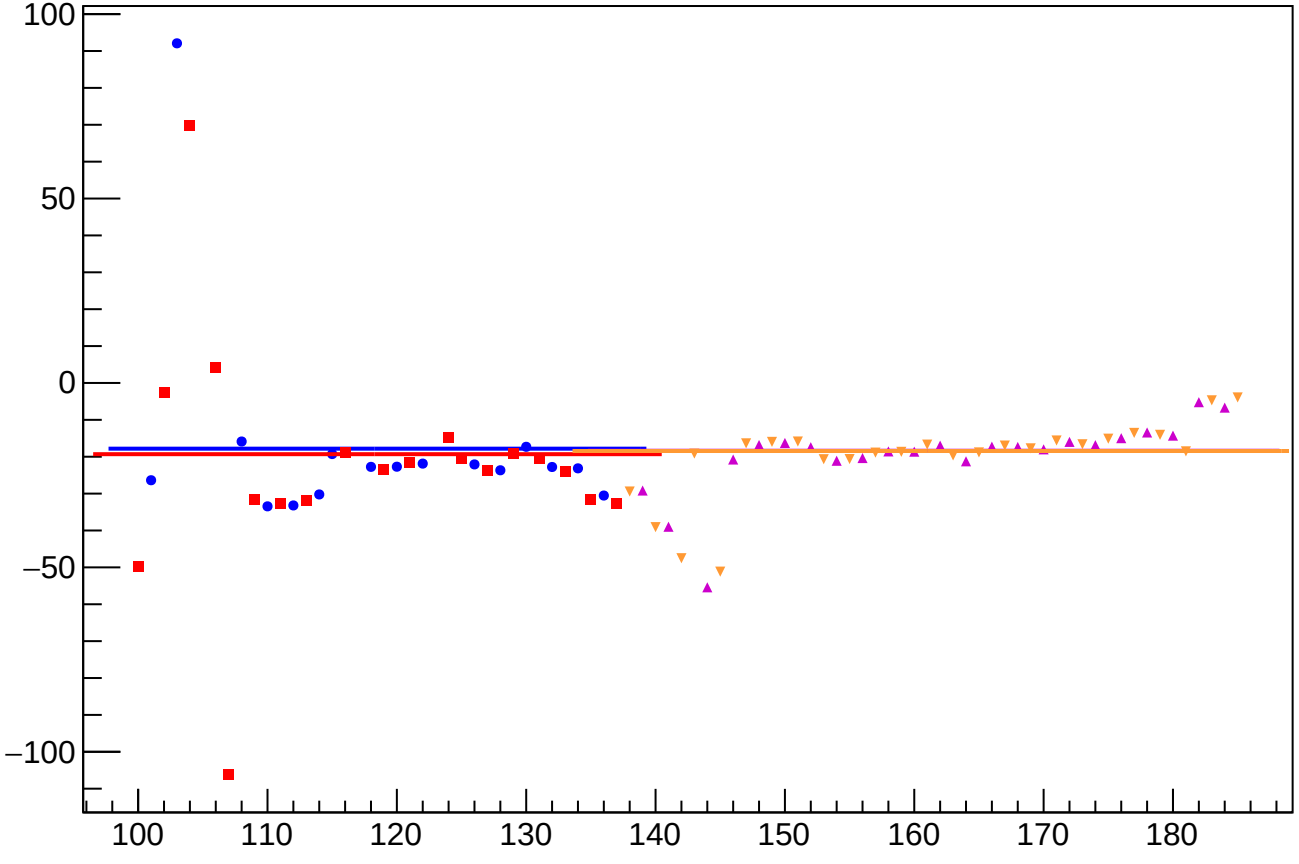
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.508+/-0.309 χ^2/NDF: 2111.8/40

All: -19.194+/-0.222 χ^2/NDF: 4245.1/82

- 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: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

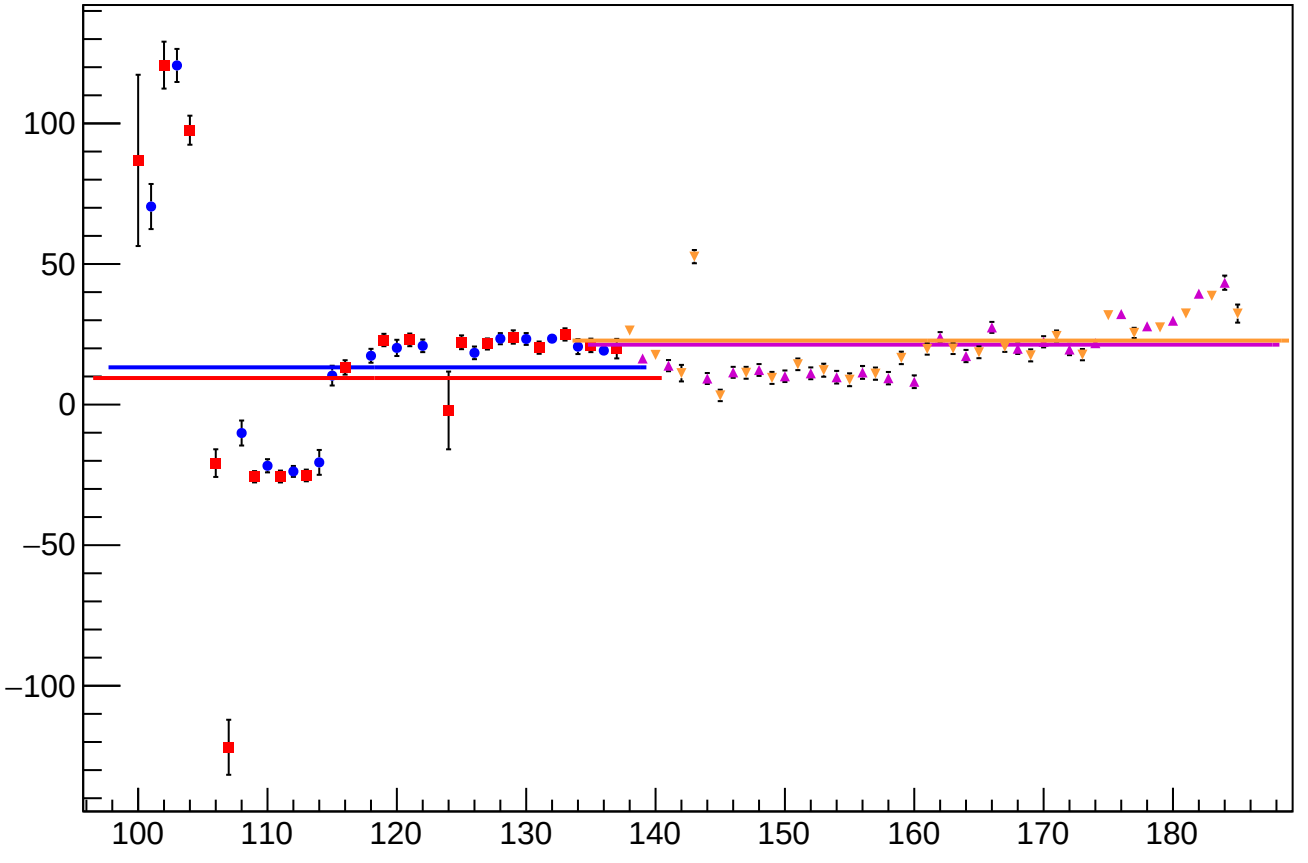
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.378+/-0.015 χ^2/NDF: 721654.1/40

All: -18.426+/-0.010 χ^2/NDF: 1316710.5/82

- 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: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

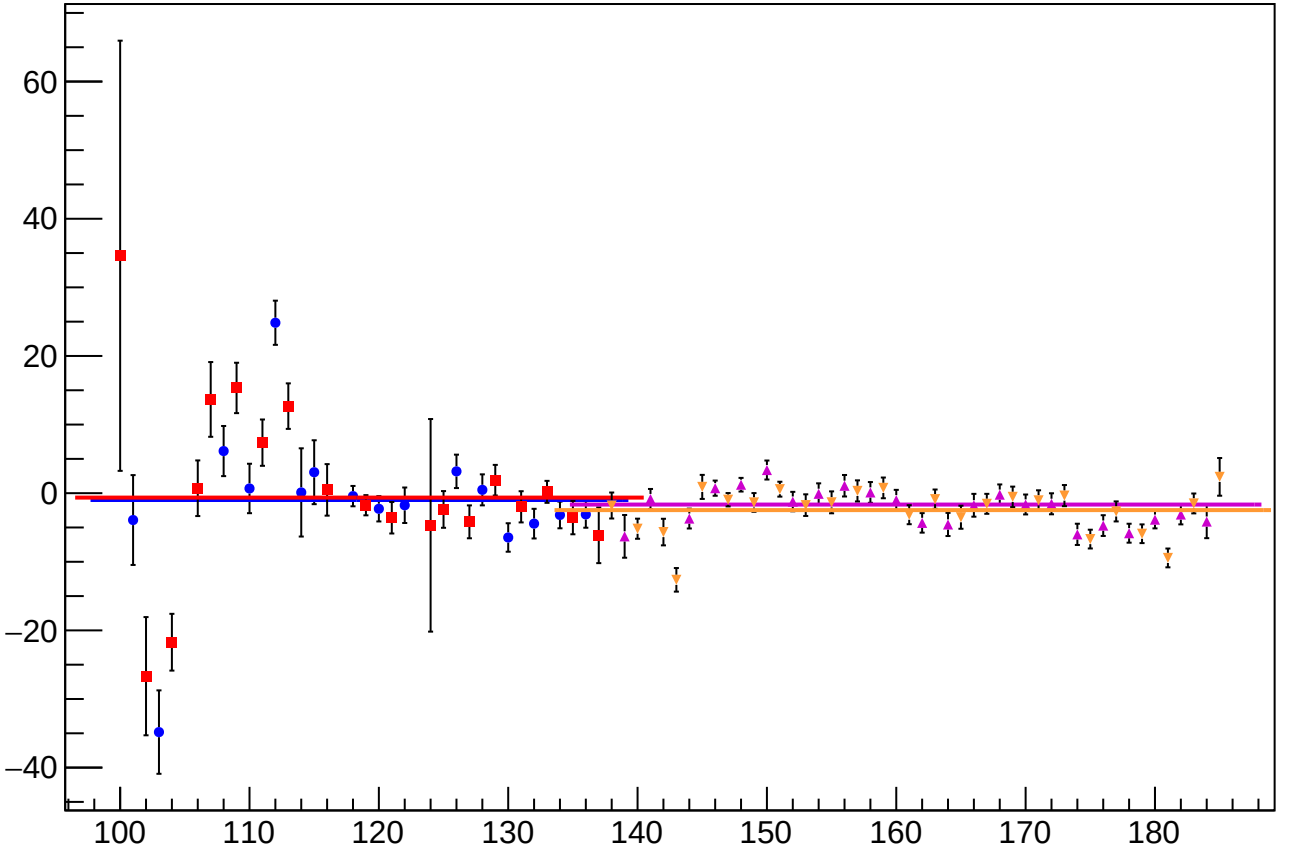
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 20.109+/-0.325 χ^2/NDF: 2078.0/40

All: 19.018+/-0.232 χ^2/NDF: 4832.3/82

- 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: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

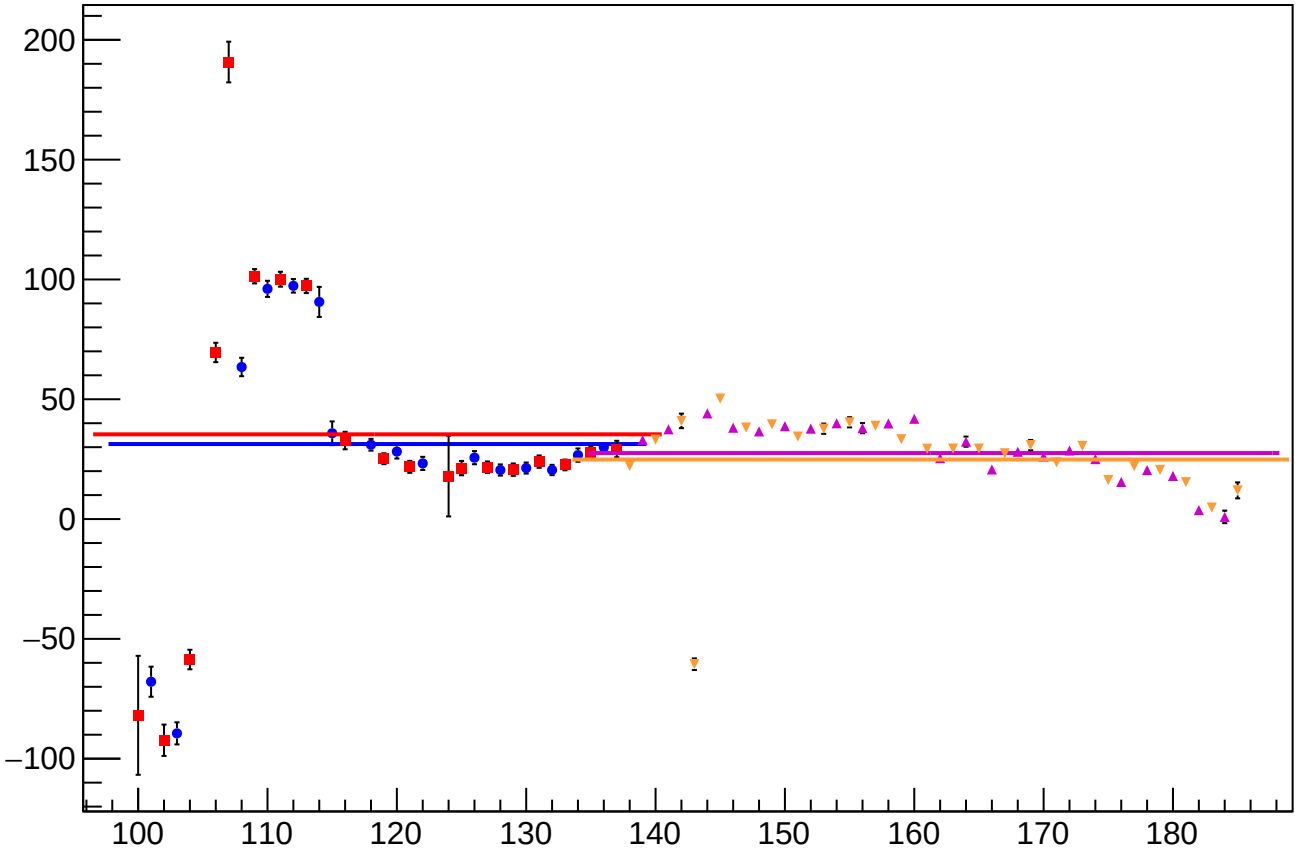
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.198+/-0.265 χ^2/NDF: 237.7/40

All: -1.847+/-0.191 χ^2/NDF: 407.9/82

- 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: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

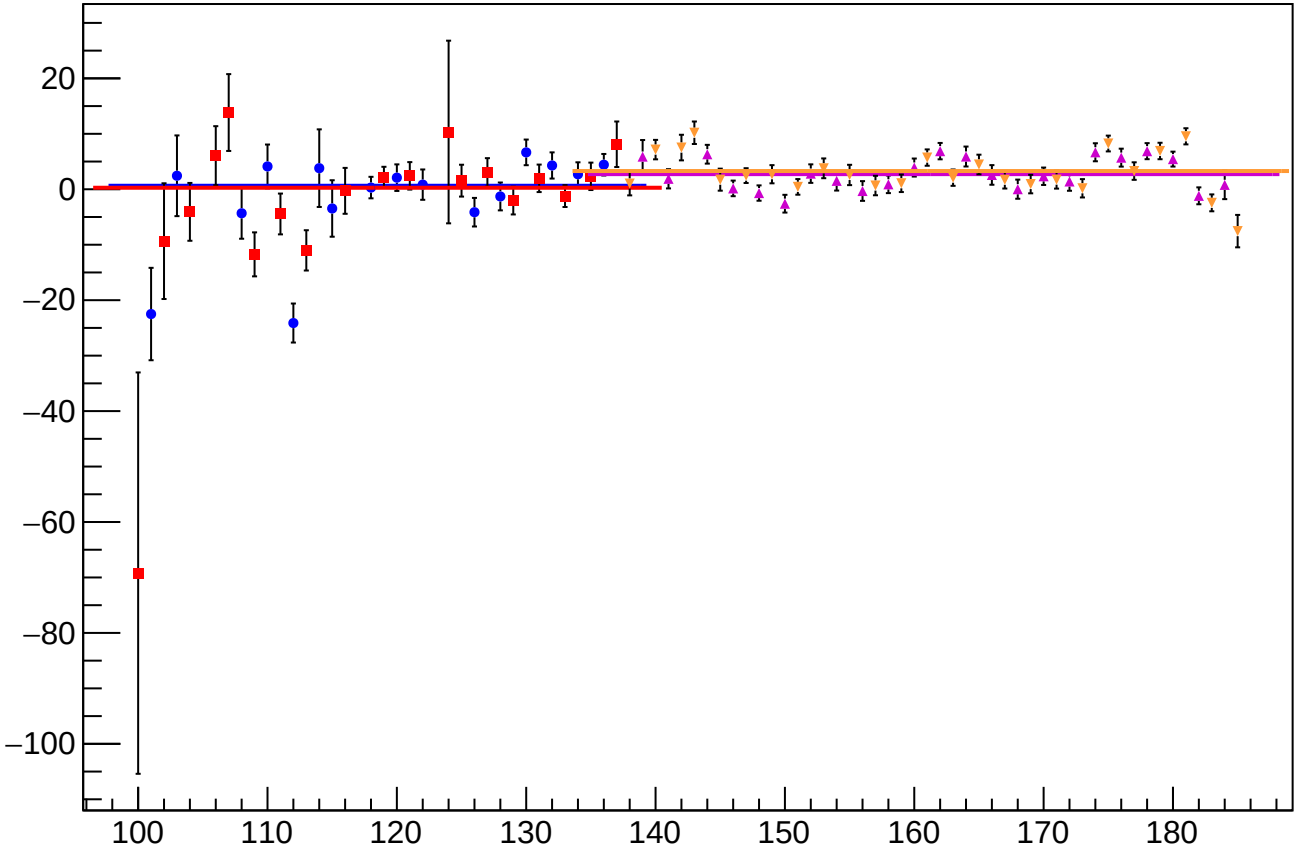
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 26.318+/-0.334 χ^2/NDF: 4200.4/40

All: 27.787+/-0.239 χ^2/NDF: 8111.3/82

- 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: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

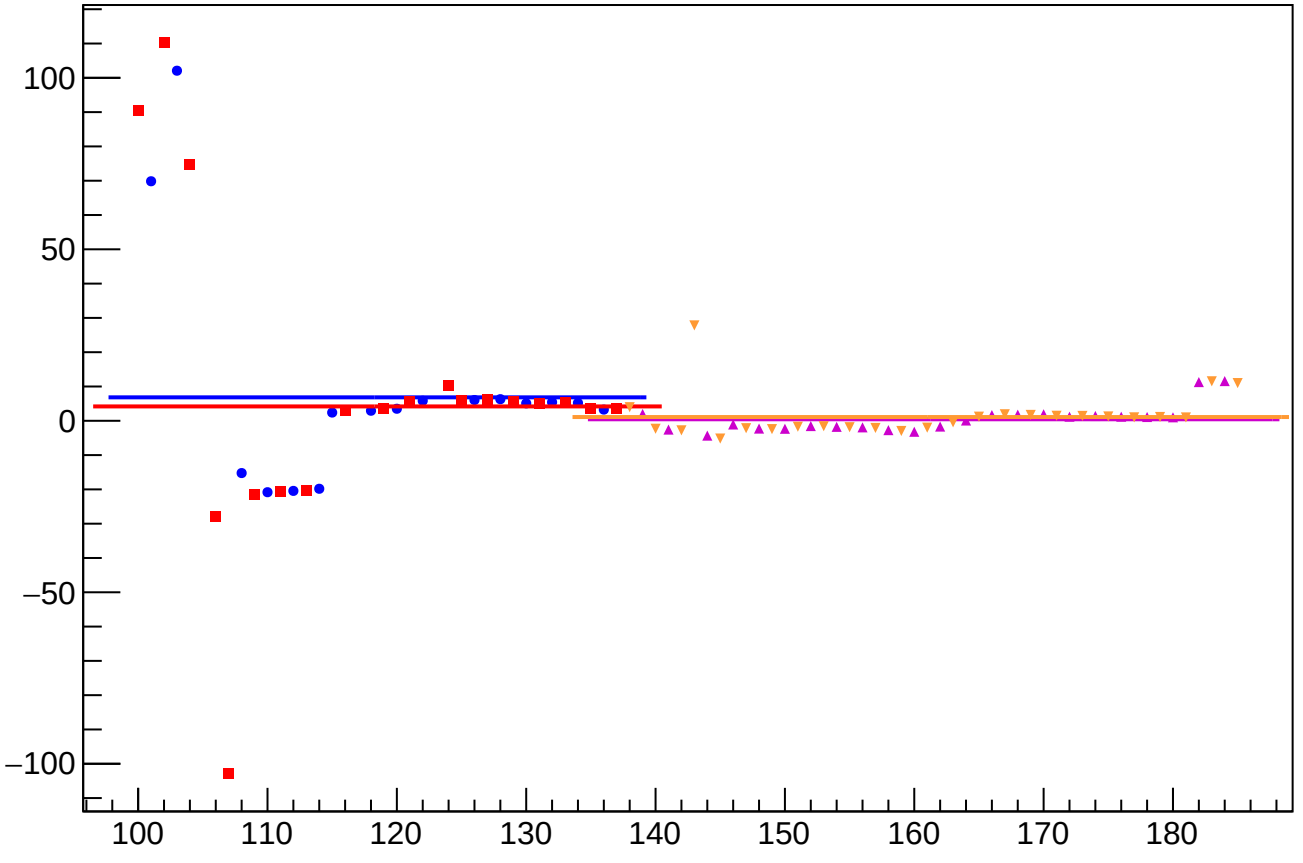
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.806+/-0.300 χ^2/NDF: 196.3/40

All: 2.553+/-0.215 χ^2/NDF: 322.1/82

- 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: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

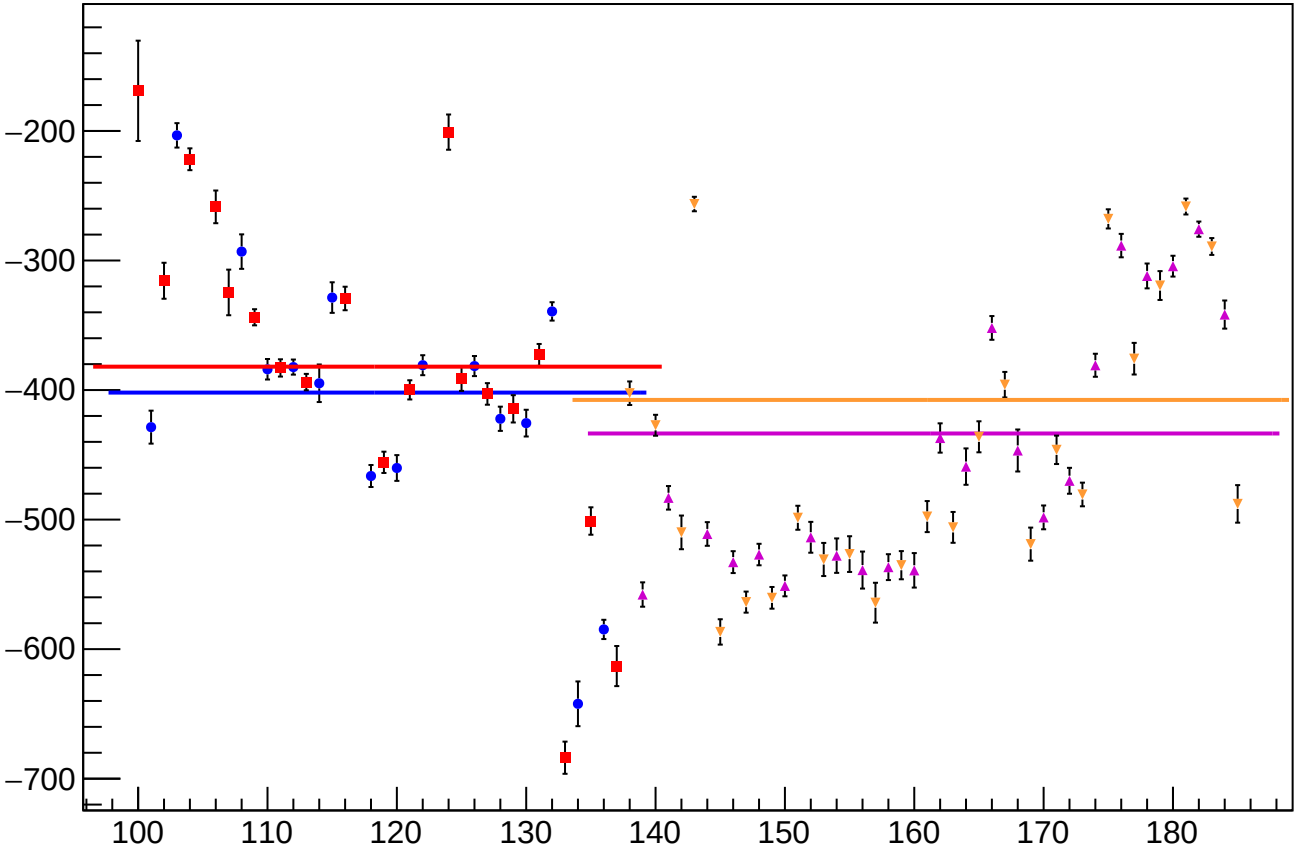
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 1.709+/-0.014 χ^2/NDF: 465804.1/40

All: 1.266+/-0.010 χ^2/NDF: 961763.7/82

- 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: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

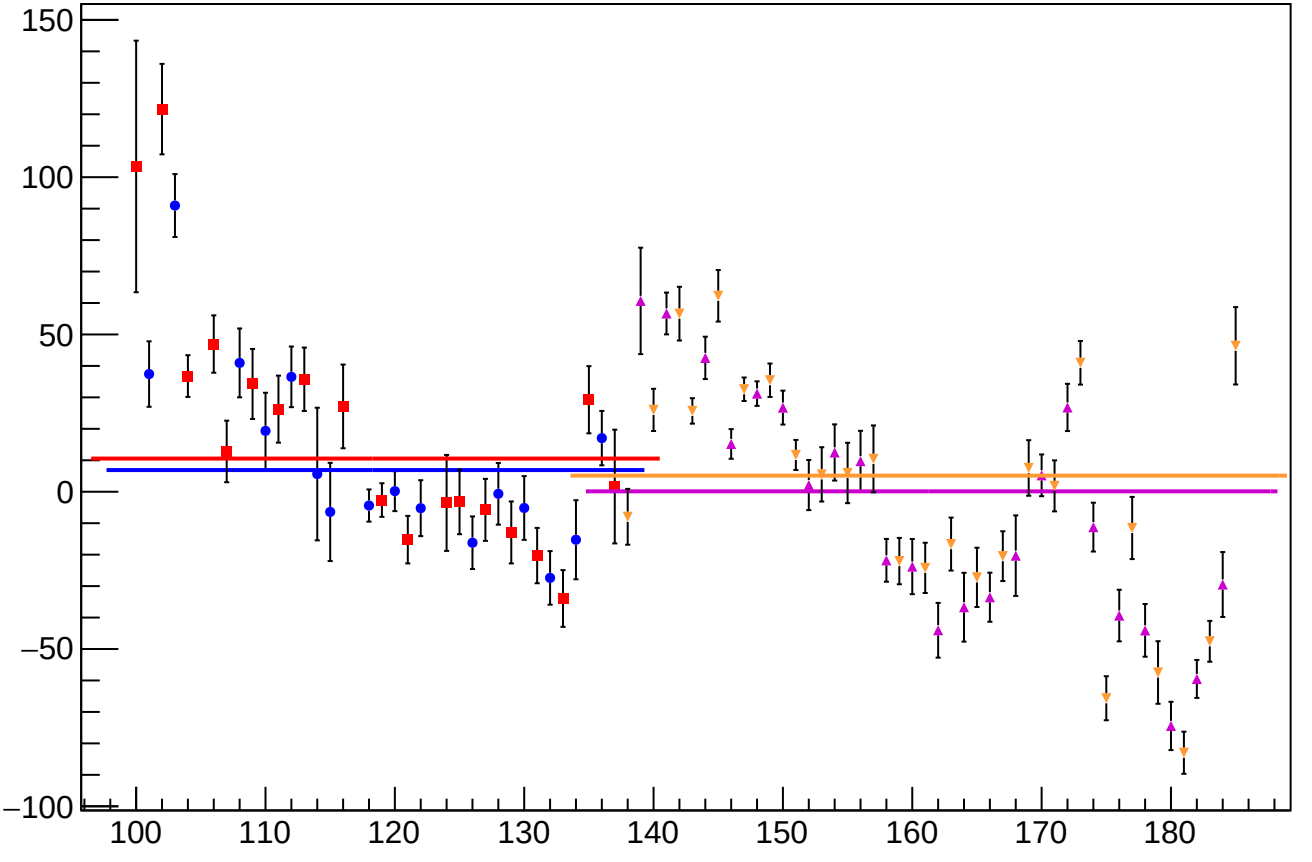
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -405.294+/-1.434 χ^2/NDF: 5572.7/40

All: -407.310+/-1.021 χ^2/NDF: 10432.1/82

- 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: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

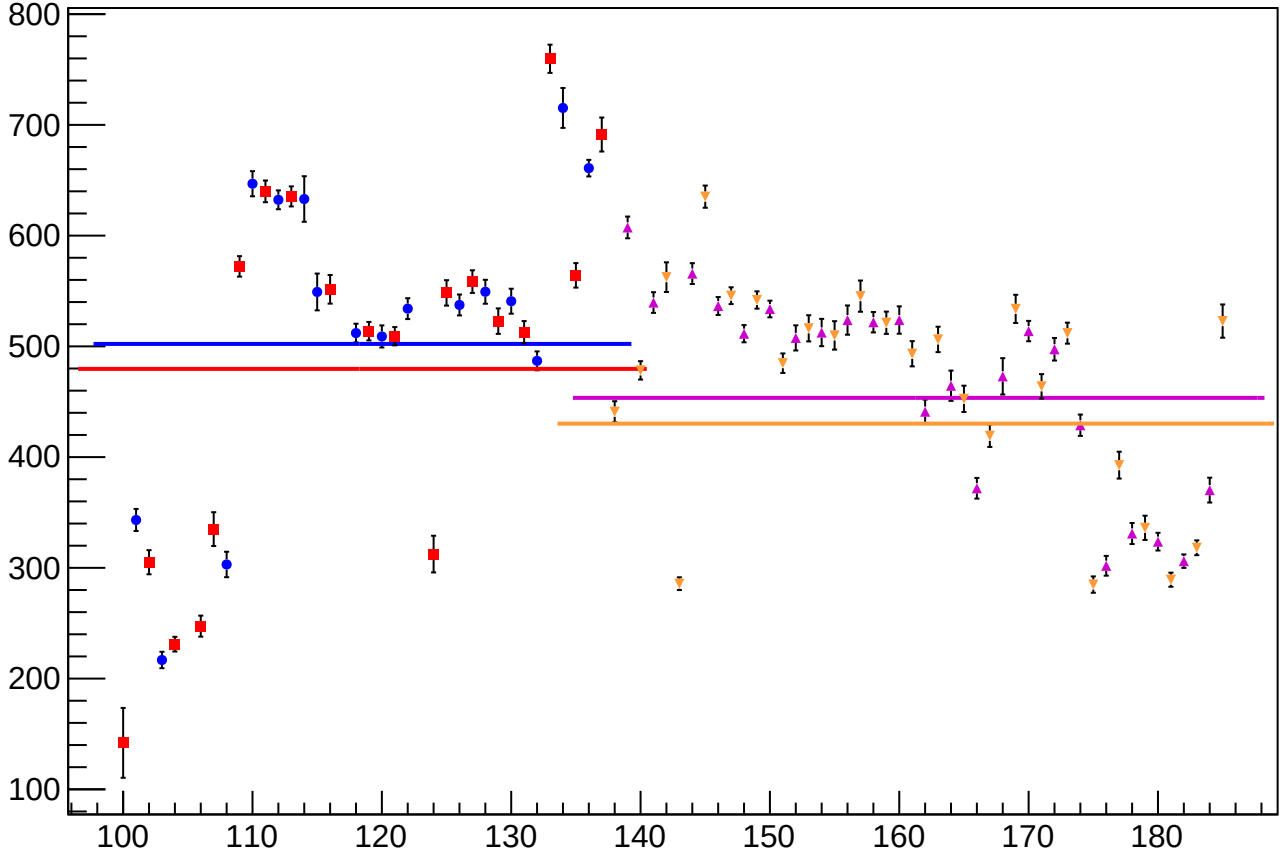
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

\+ sign 5.602+/-1.177 χ^2/NDF: 828.1/40

All: 4.554+/-0.851 χ^2/NDF: 1593.7/82

\- 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: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

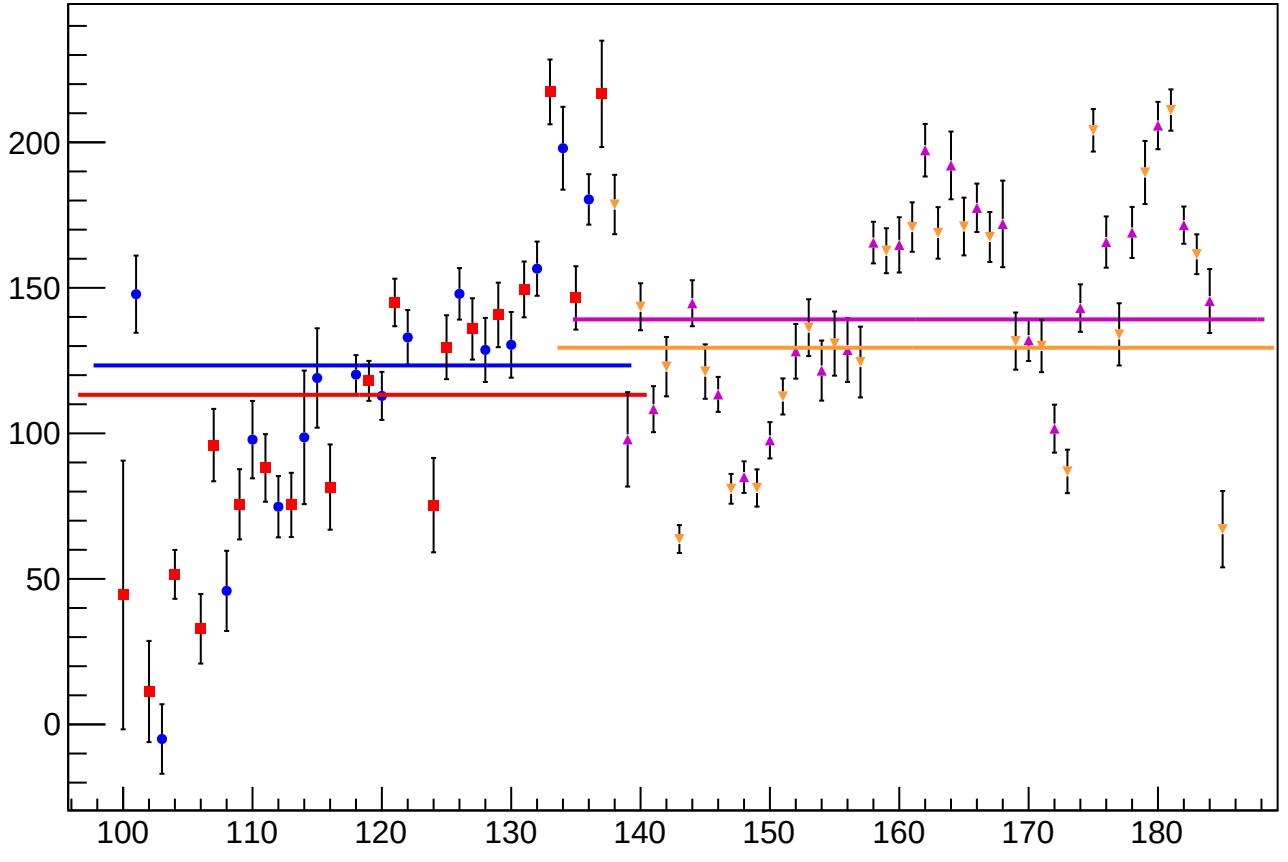
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 455.997+/-1.491 χ^2/NDF: 7075.5/40

All: 459.942+/-1.066 χ^2/NDF: 13719.1/82

- 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: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

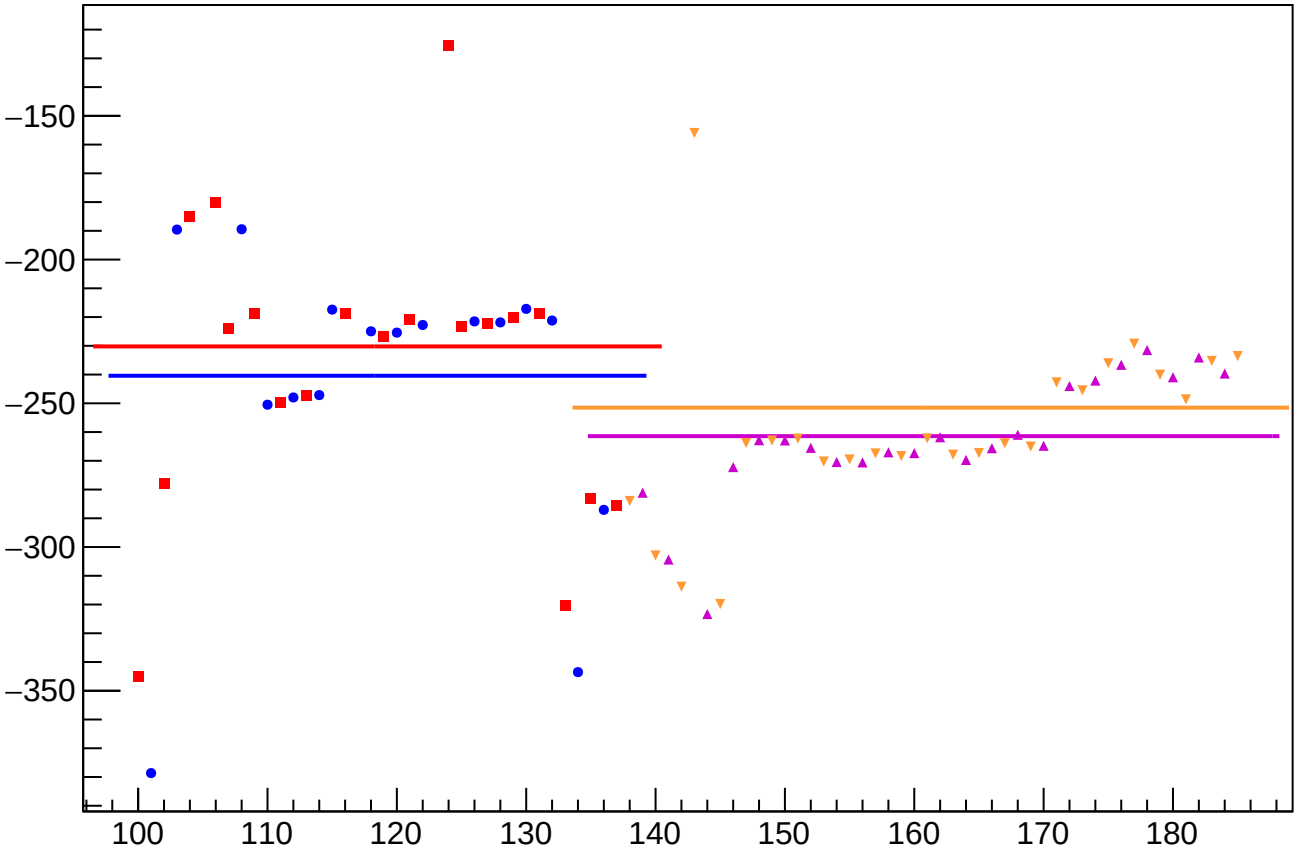
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 127.786+/-1.362 χ^2/NDF: 1089.5/40

All: 129.393+/-0.982 χ^2/NDF: 1944.0/82

- 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: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

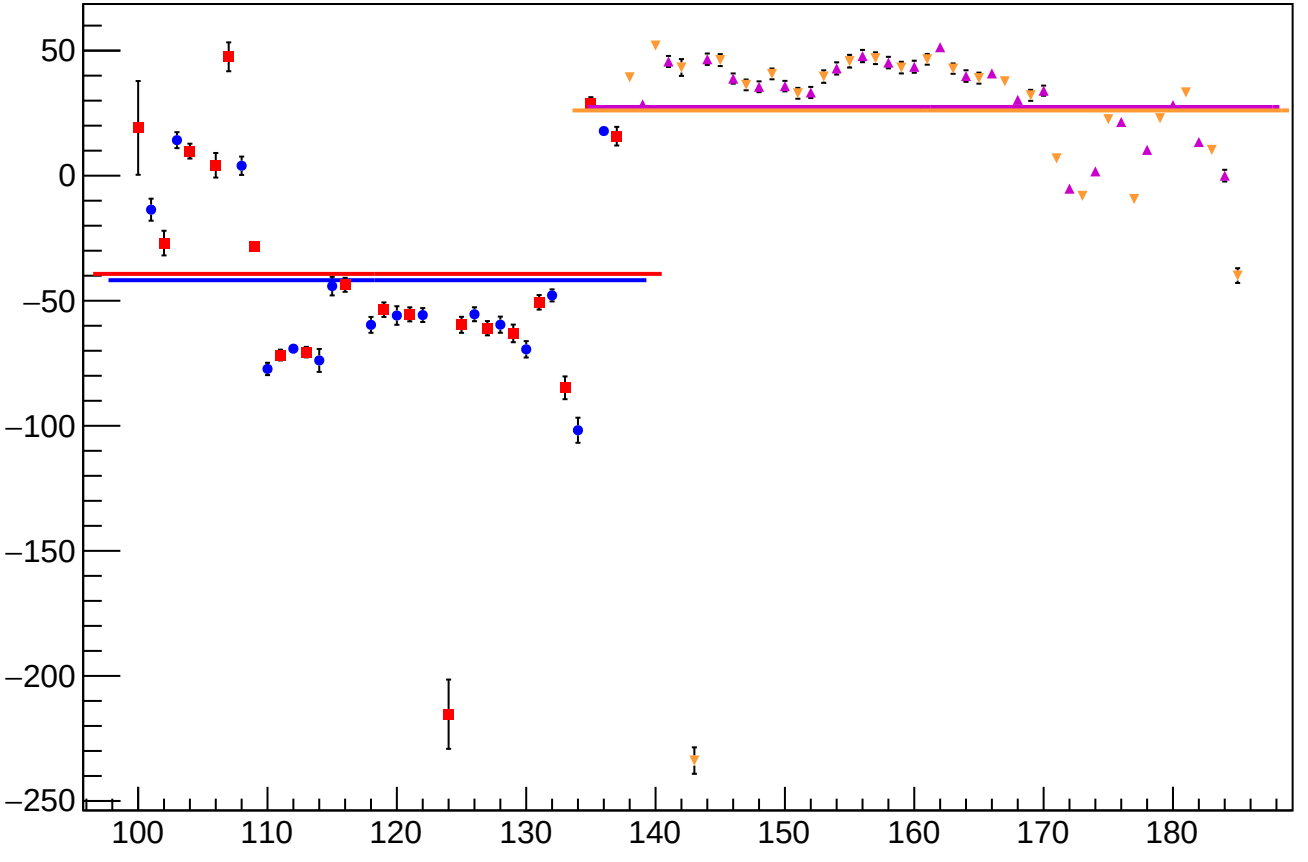
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.323+/-0.067 χ^2/NDF: 393435.7/40

All: -251.861+/-0.048 χ^2/NDF: 584798.4/82

- 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: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

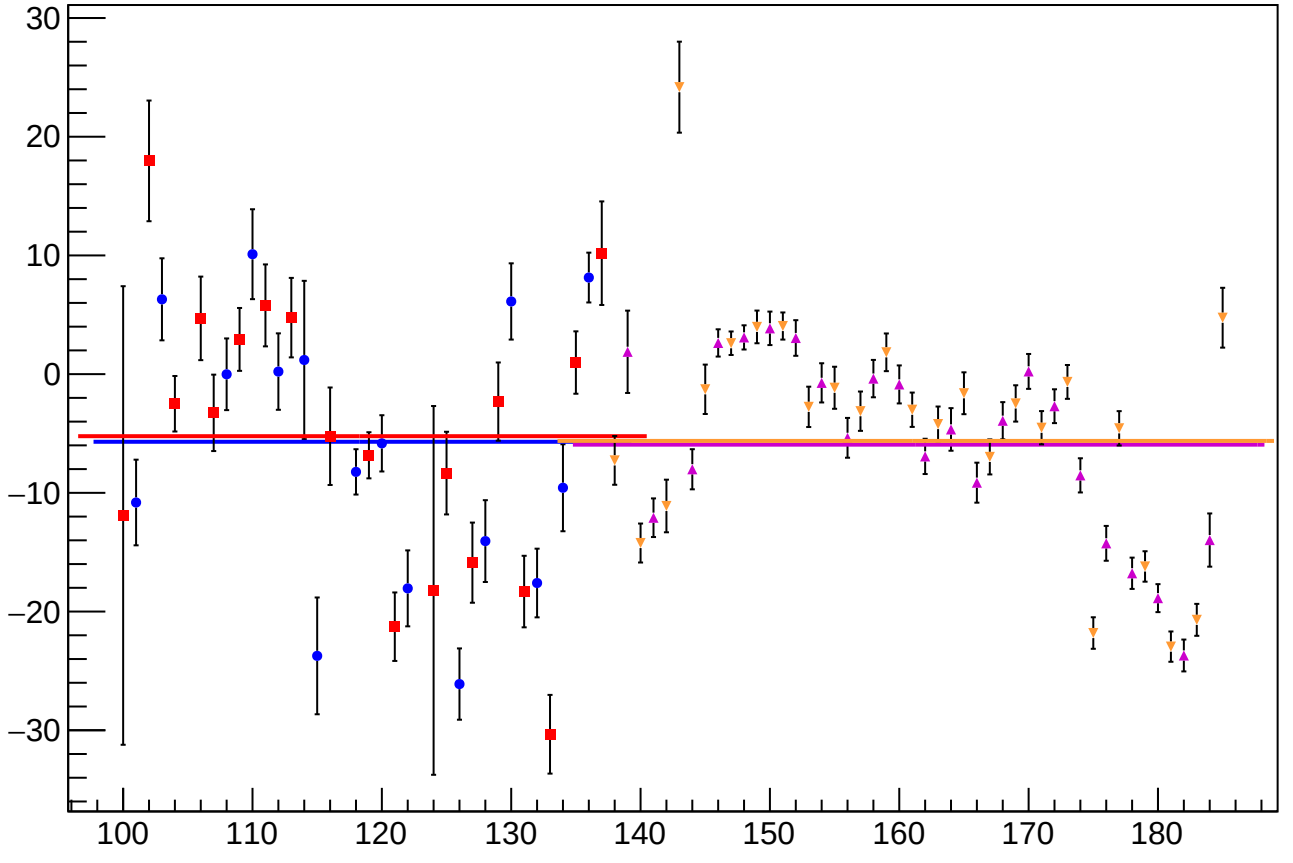
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 10.812+/-0.343 χ^2/NDF: 14018.1/40

All: 10.689+/-0.242 χ^2/NDF: 25304.2/82

- 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: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

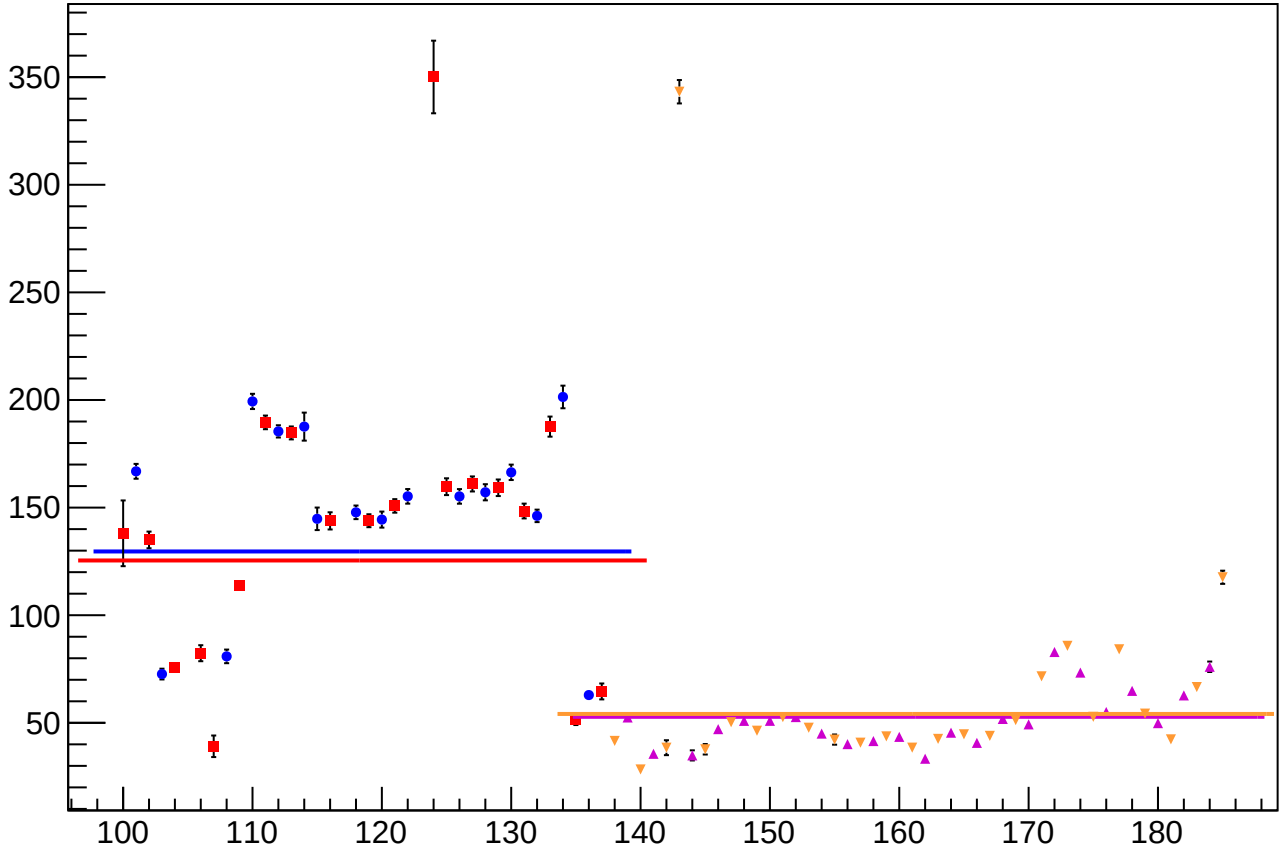
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.635+/-0.280 χ^2/NDF: 1090.0/40

All: -5.733+/-0.200 χ^2/NDF: 2000.7/82

- 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: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

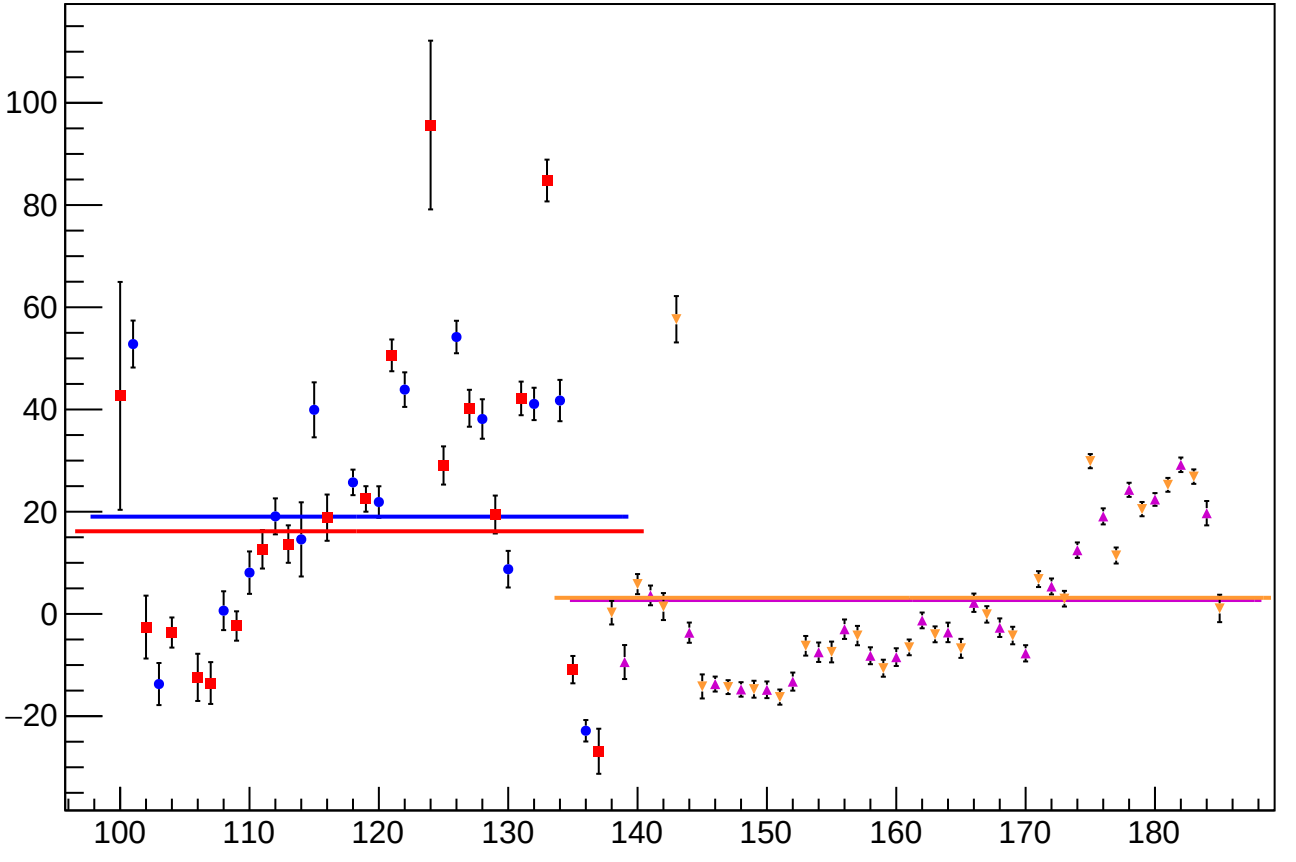
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 68.439+/-0.349 χ^2/NDF: 15422.4/40

All: 67.819+/-0.248 χ^2/NDF: 26692.5/82

\- 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: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

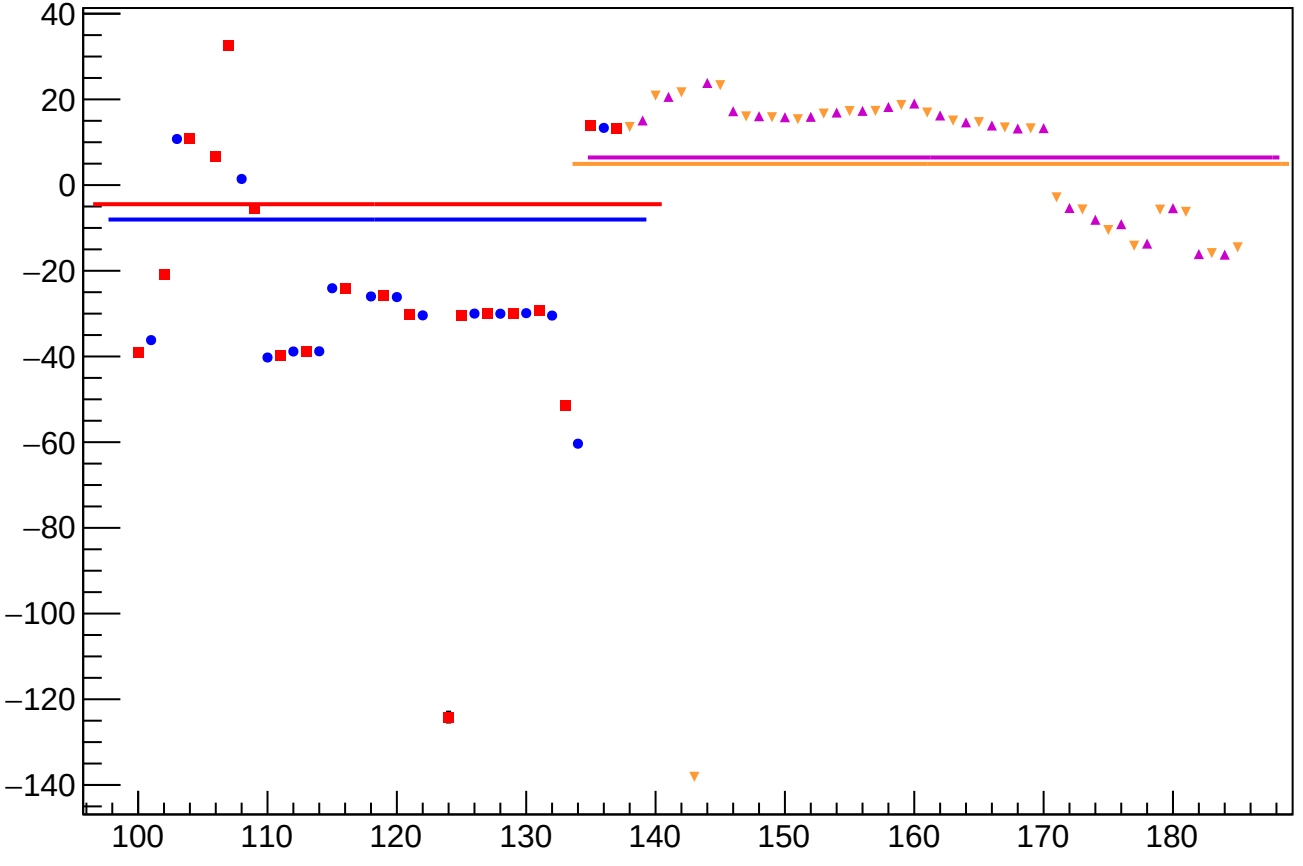
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 5.301+/-0.316 χ^2/NDF: 3165.4/40

All: 4.983+/-0.225 χ^2/NDF: 6060.4/82

\- 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: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

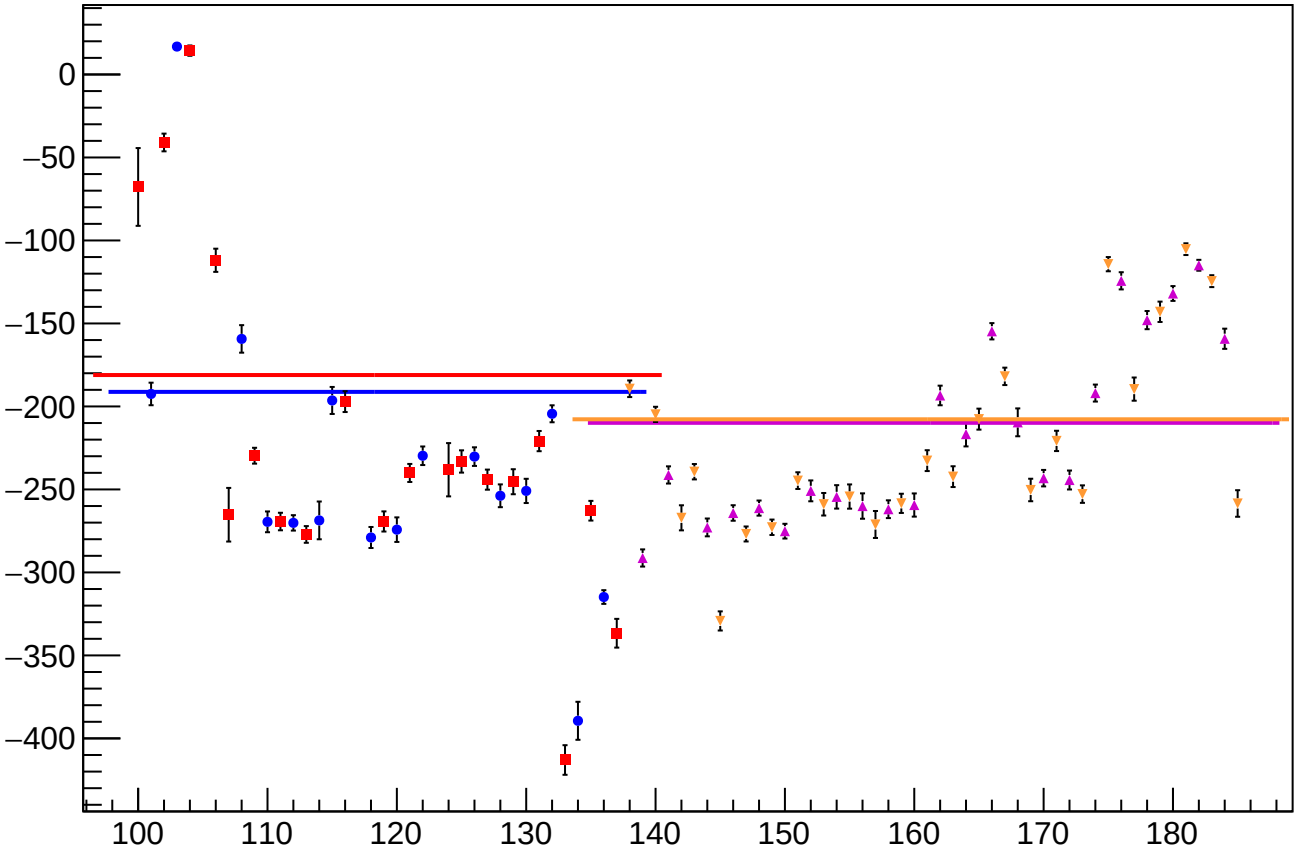
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.656+/-0.014 χ^2/NDF: 1476684.1/40

All: 4.514+/-0.010 χ^2/NDF: 2490943.4/82

- 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: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

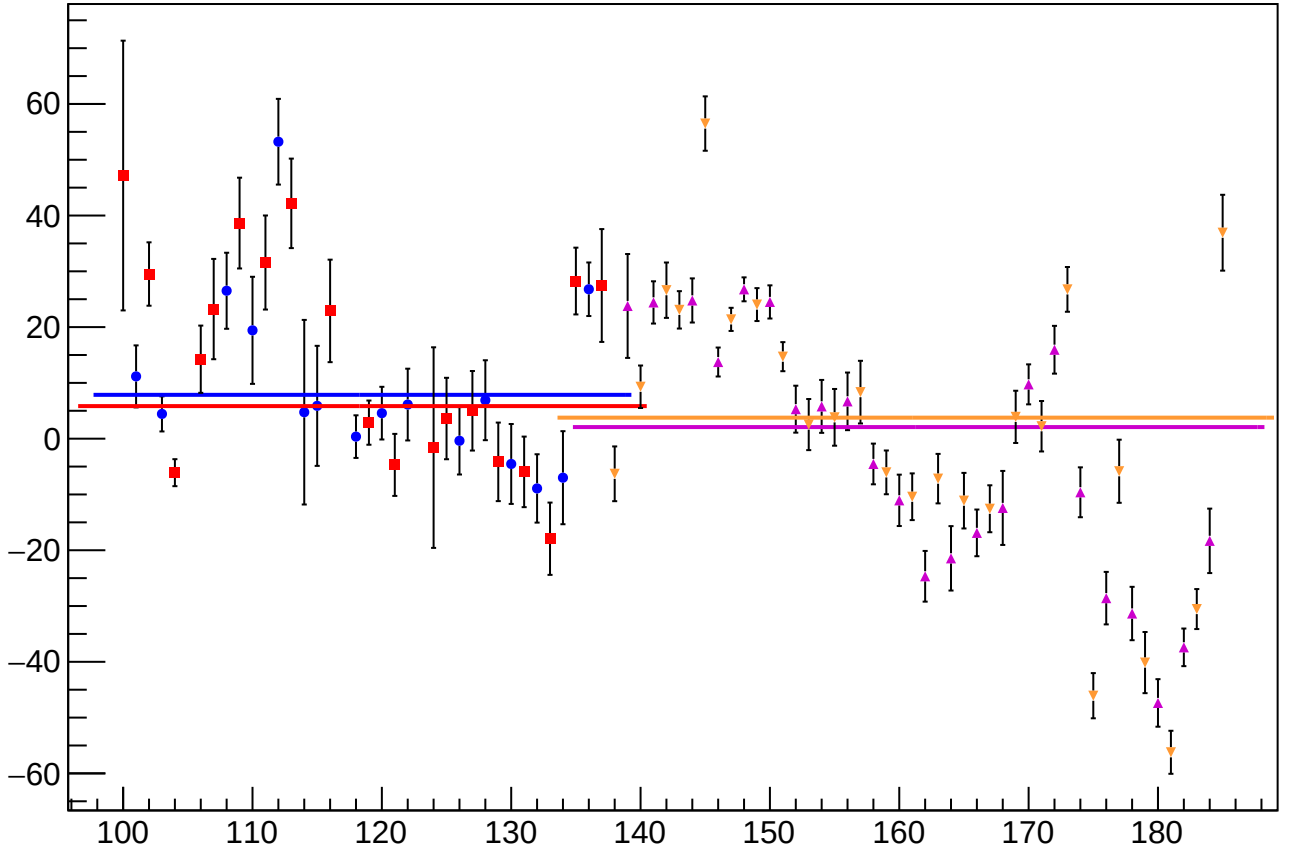
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -201.756+/-0.854 χ^2/NDF: 10798.3/40

All: -200.239+/-0.606 χ^2/NDF: 21455.9/82

- 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: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

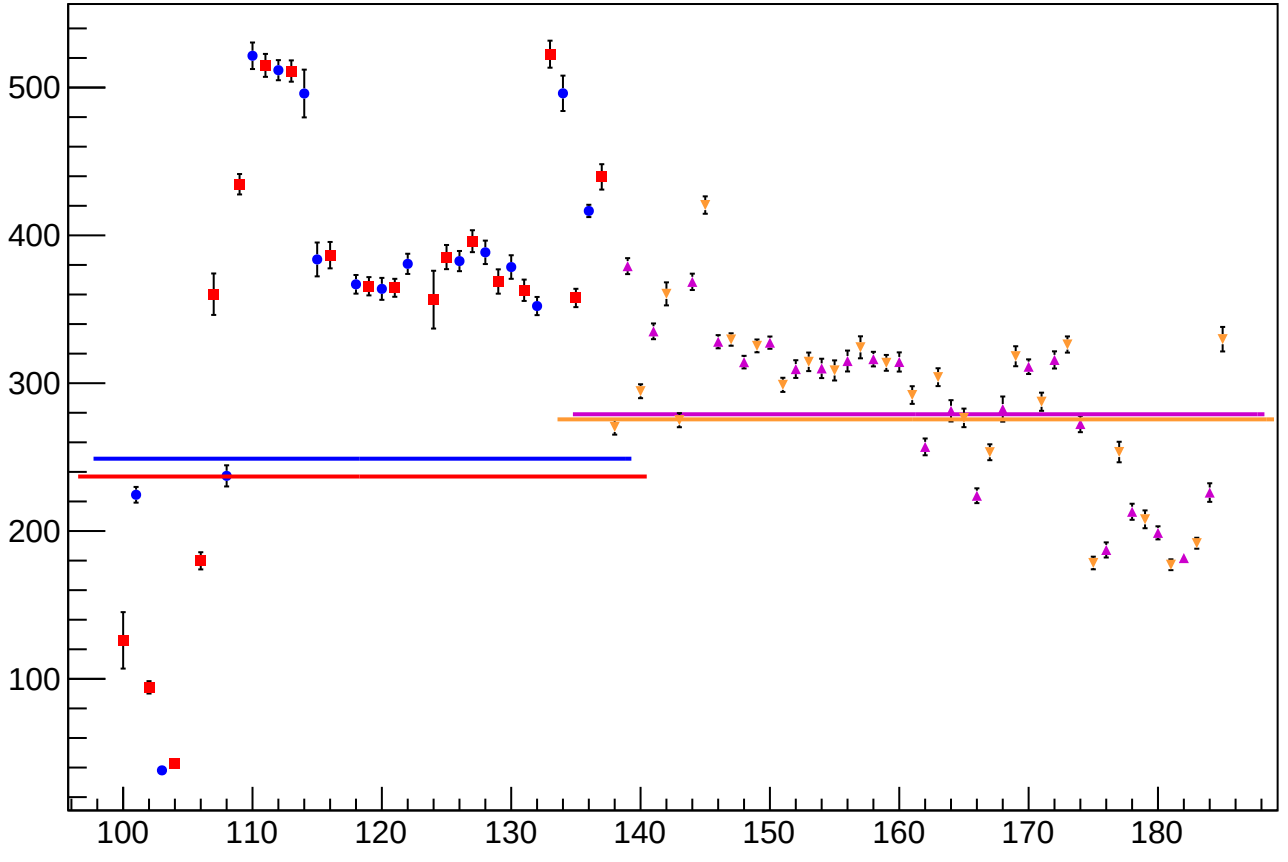
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 4.713+/-0.691 χ^2/NDF: 1059.2/40

All: 3.912+/-0.492 χ^2/NDF: 1979.6/82

\- 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: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

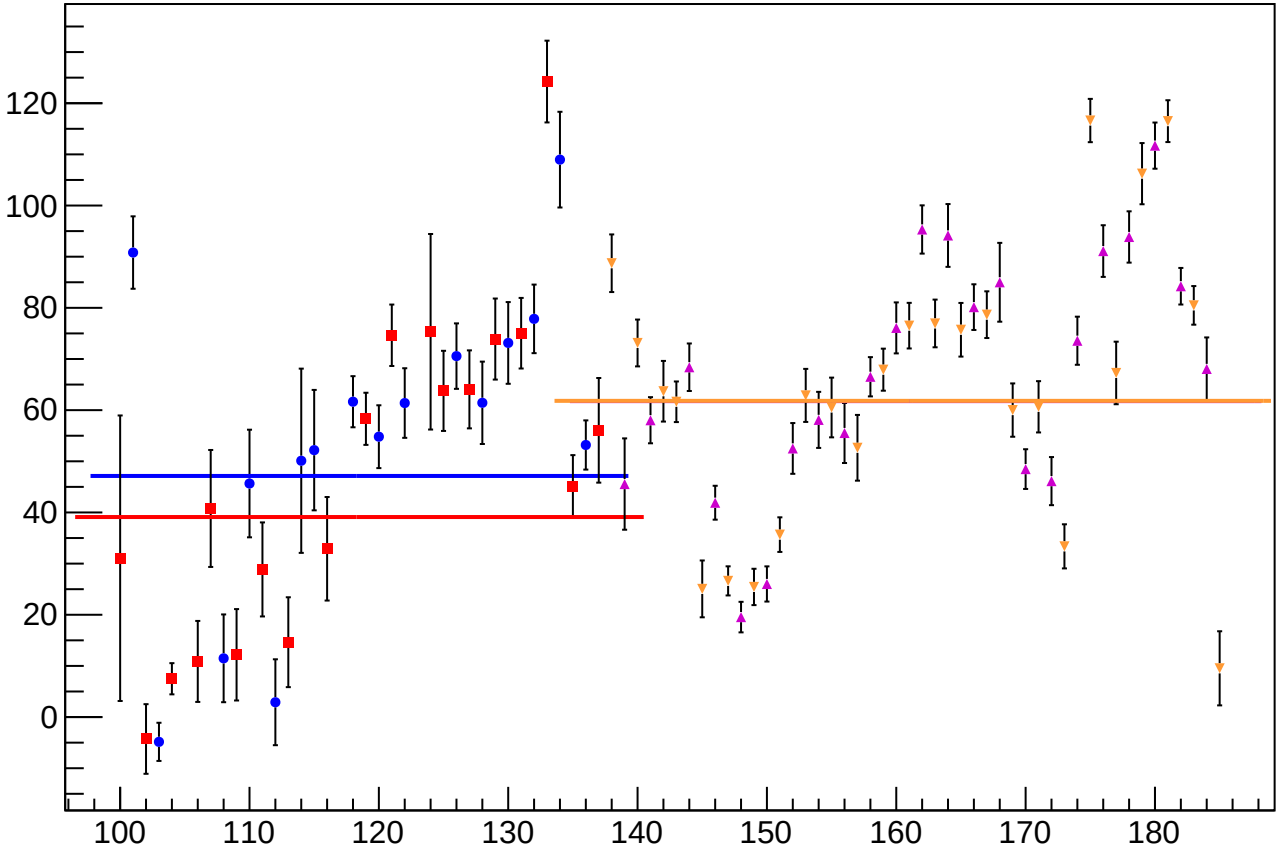
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 266.008+/-0.851 χ^2/NDF: 18850.1/40

All: 264.625+/-0.605 χ^2/NDF: 38188.1/82

- 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: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

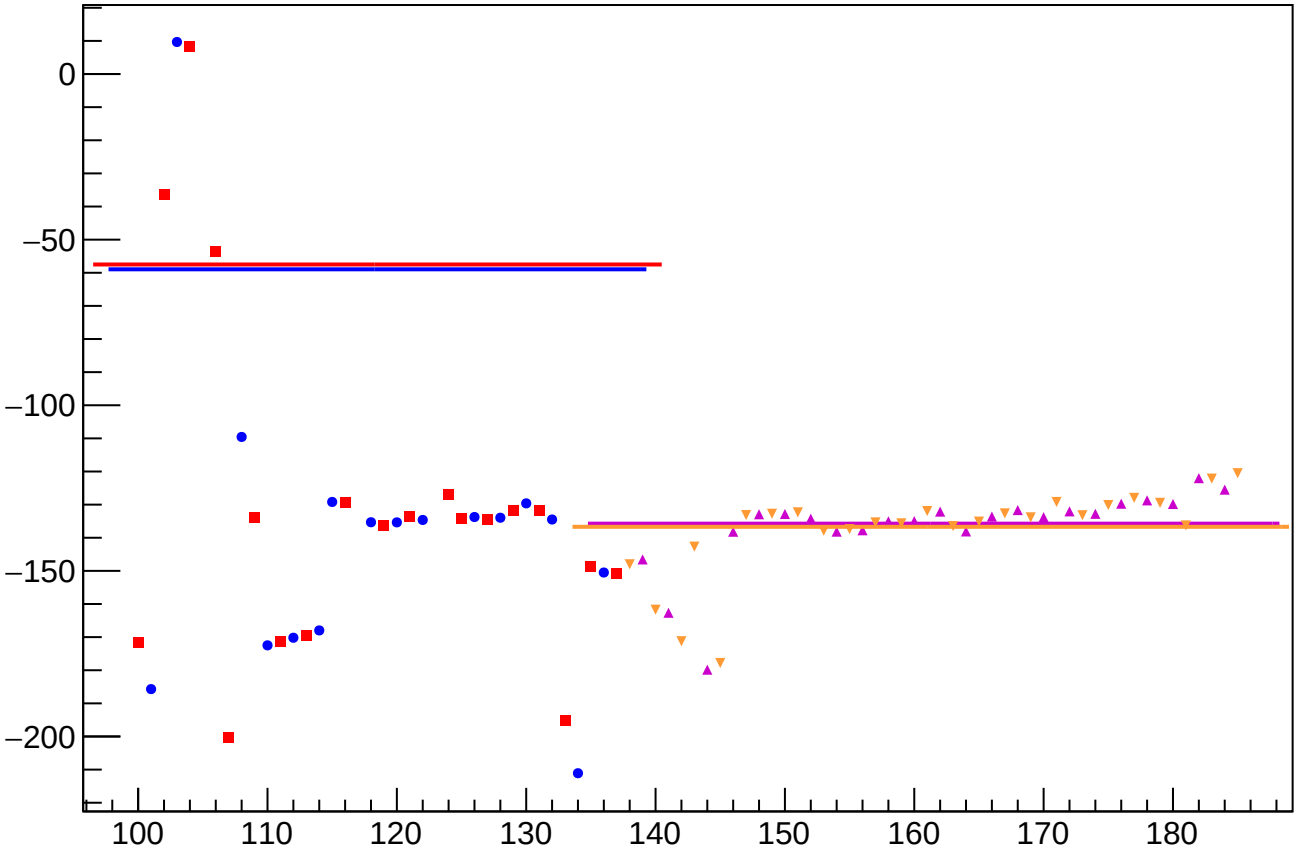
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 58.464+/-0.797 χ^2/NDF: 1404.6/40

All: 57.220+/-0.568 χ^2/NDF: 2711.8/82

- 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: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

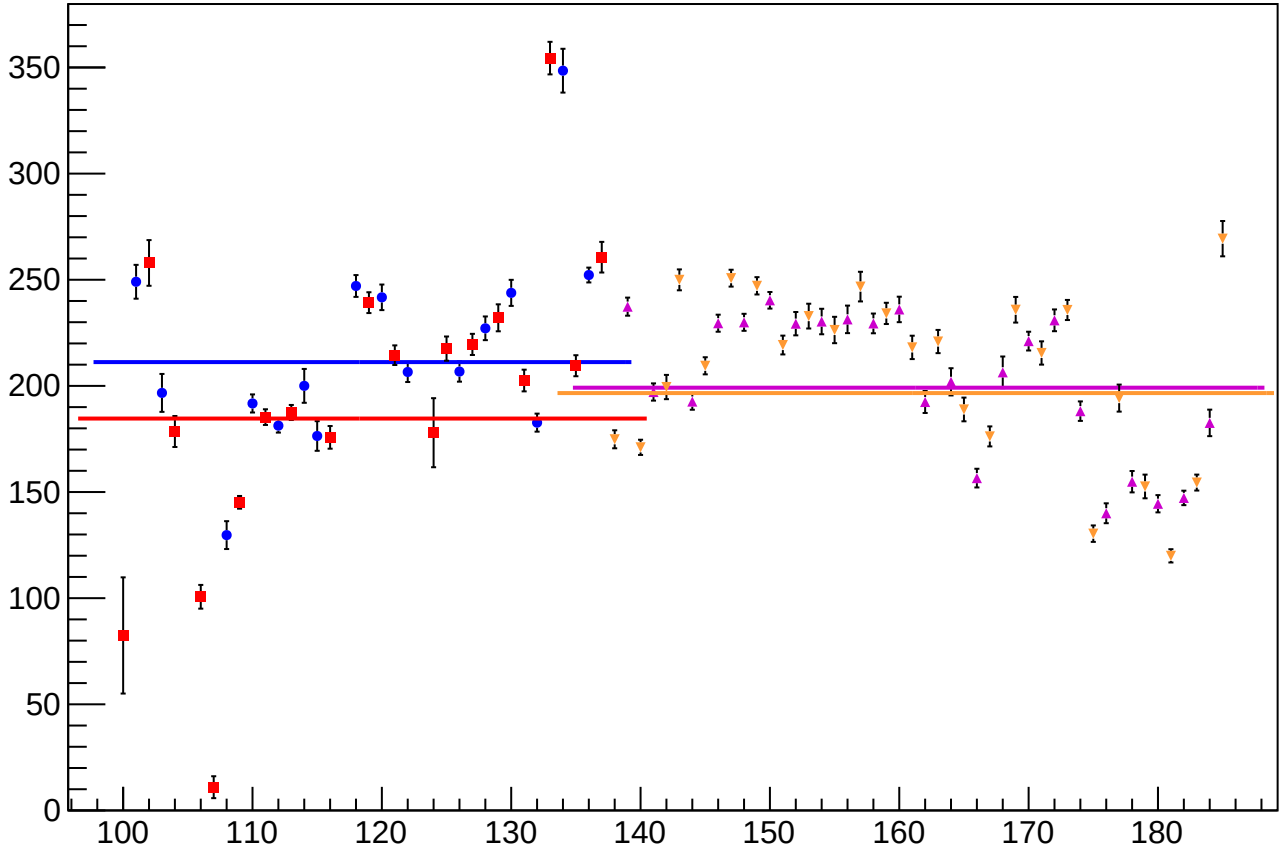
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.033+/-0.037 χ^2/NDF: 2162503.0/40

All: -116.638+/-0.026 χ^2/NDF: 3931110.7/82

- 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: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

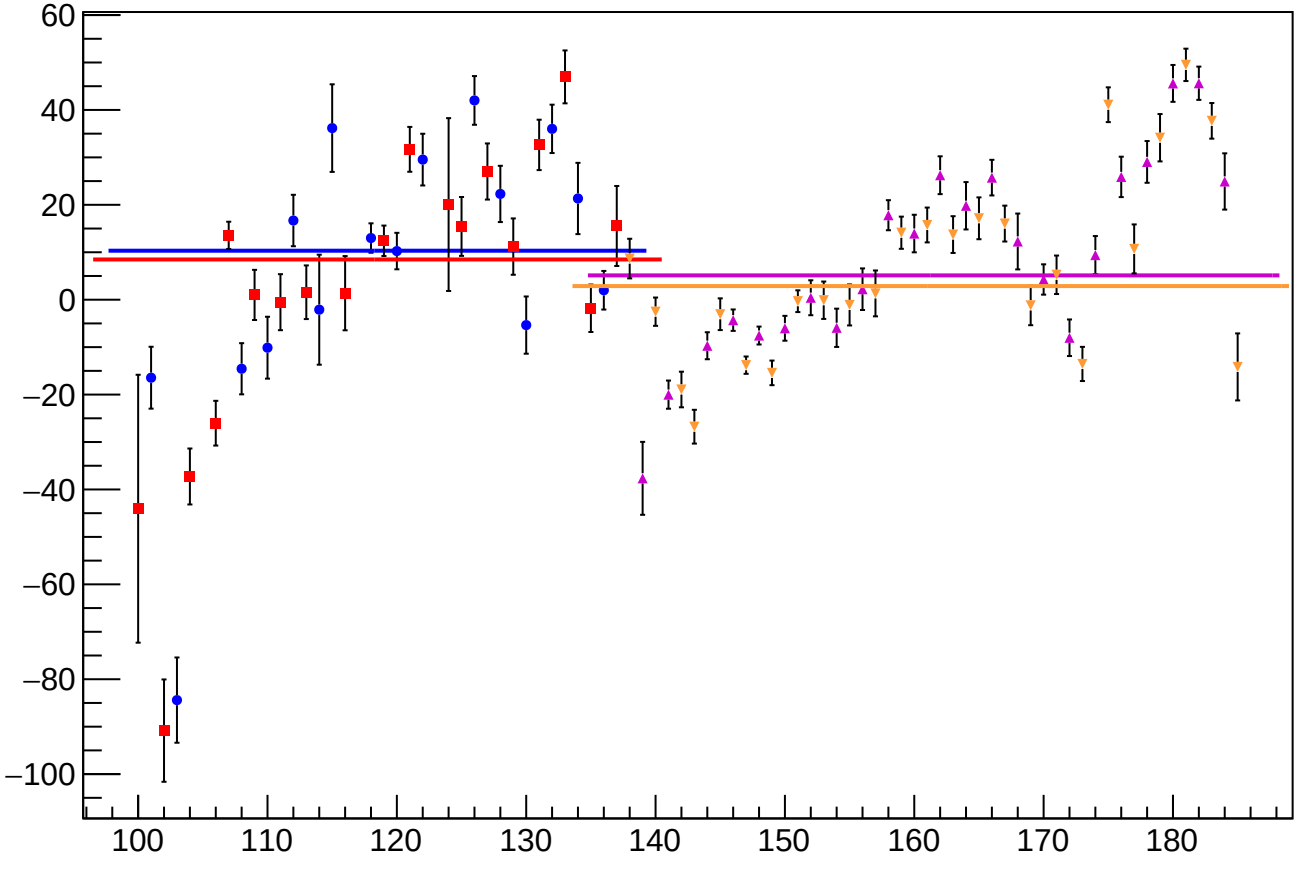
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 201.692+/-0.764 χ^2/NDF: 2941.2/40

All: 197.467+/-0.537 χ^2/NDF: 6925.7/82

- sign 193.352+/-0.754 χ^2/NDF: 3924.1/41

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

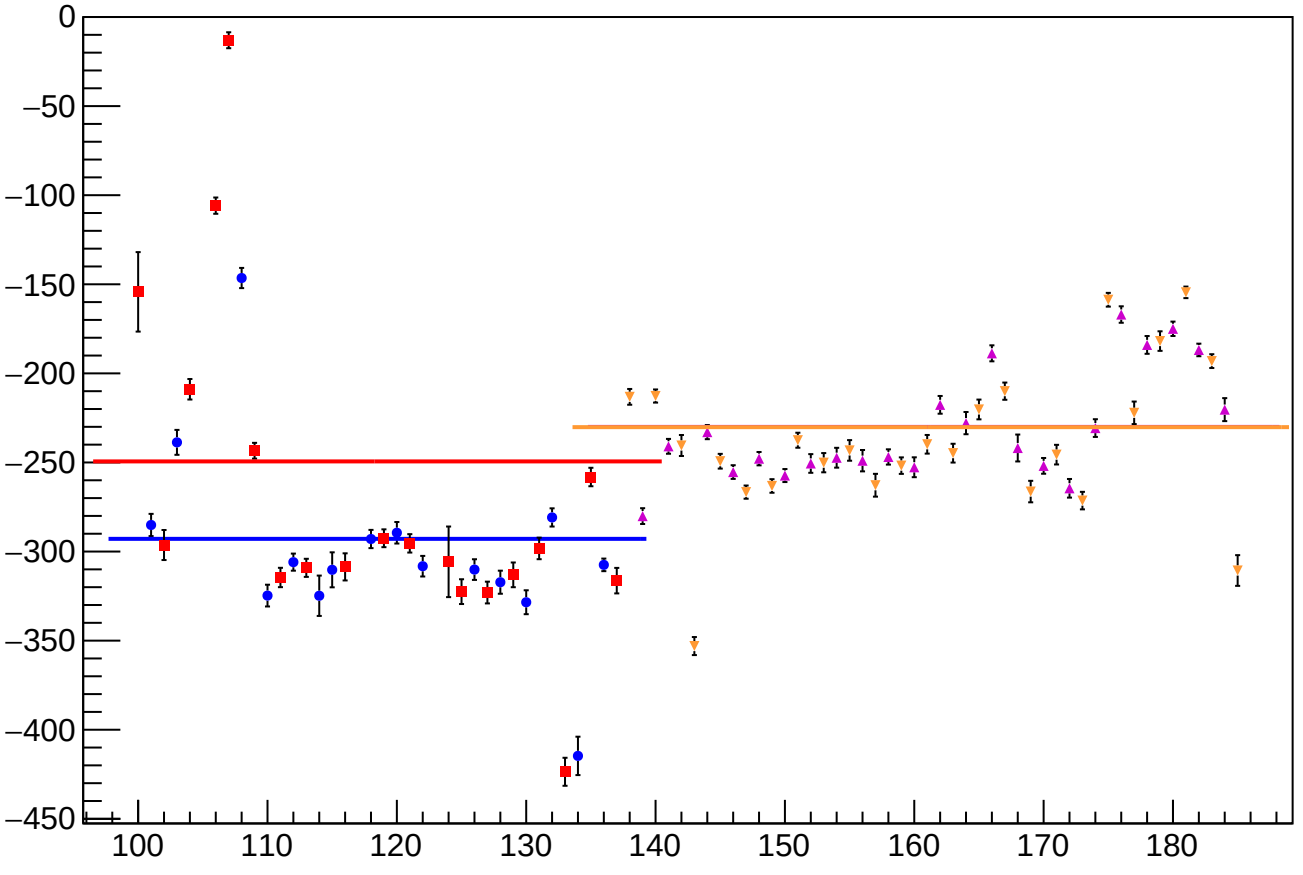
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 4.458+/-0.615 χ^2/NDF: 1040.7/40

All: 5.215+/-0.436 χ^2/NDF: 2000.3/82

- 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: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

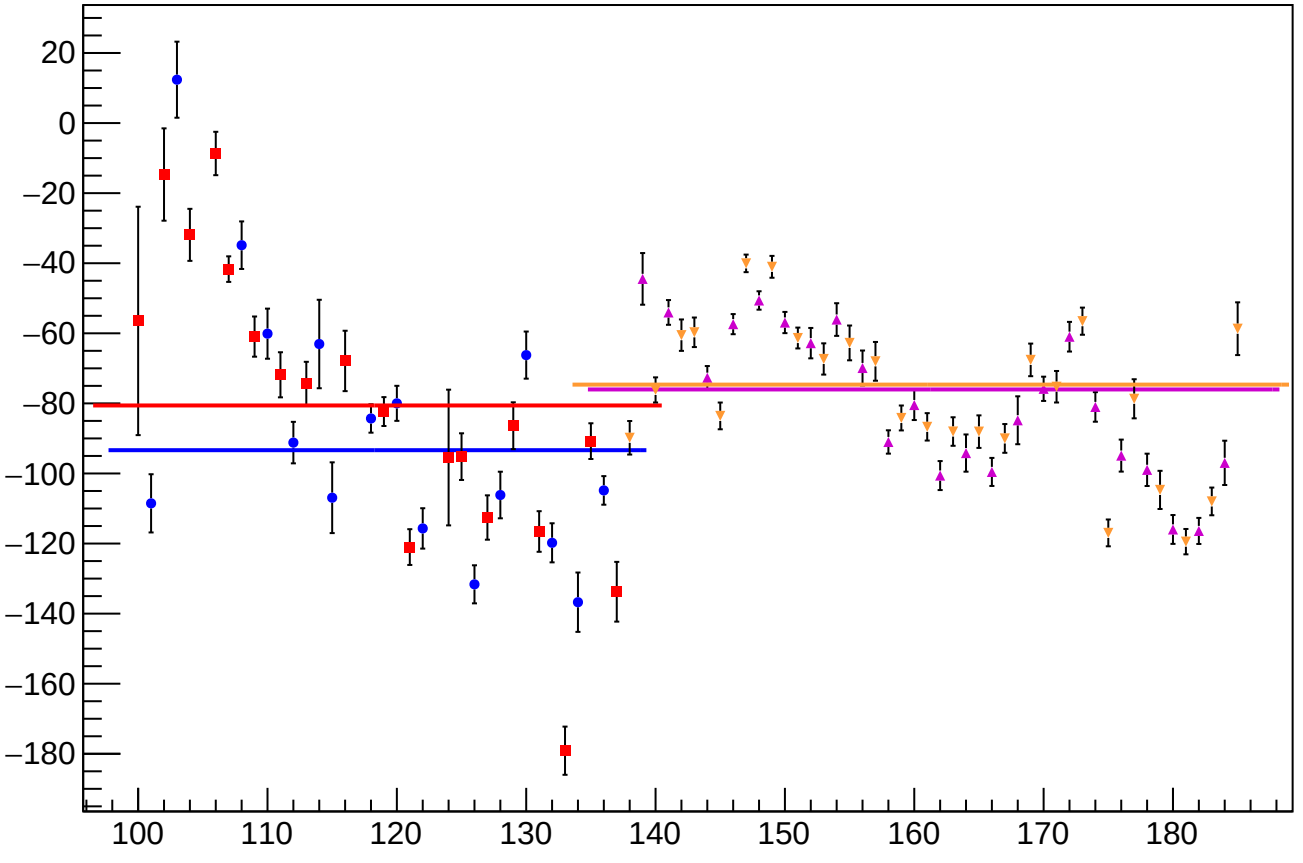
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

\+ sign -248.393+/-0.791 χ^2/NDF: 4460.2/40

All: -242.382+/-0.558 χ^2/NDF: 11171.5/82

\- 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: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

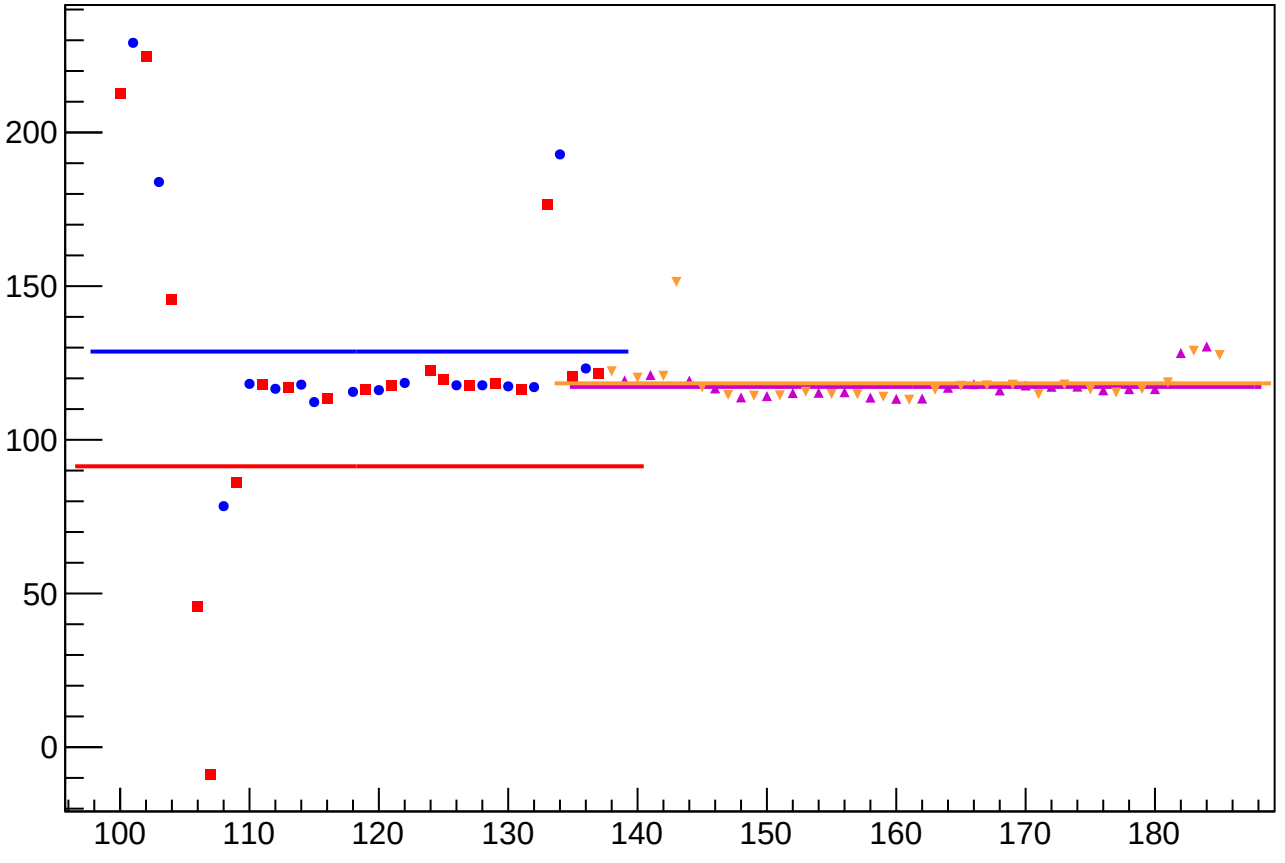
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -78.649+/-0.710 χ^2/NDF: 1303.2/40

All: -77.914+/-0.503 χ^2/NDF: 2674.5/82

- 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: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

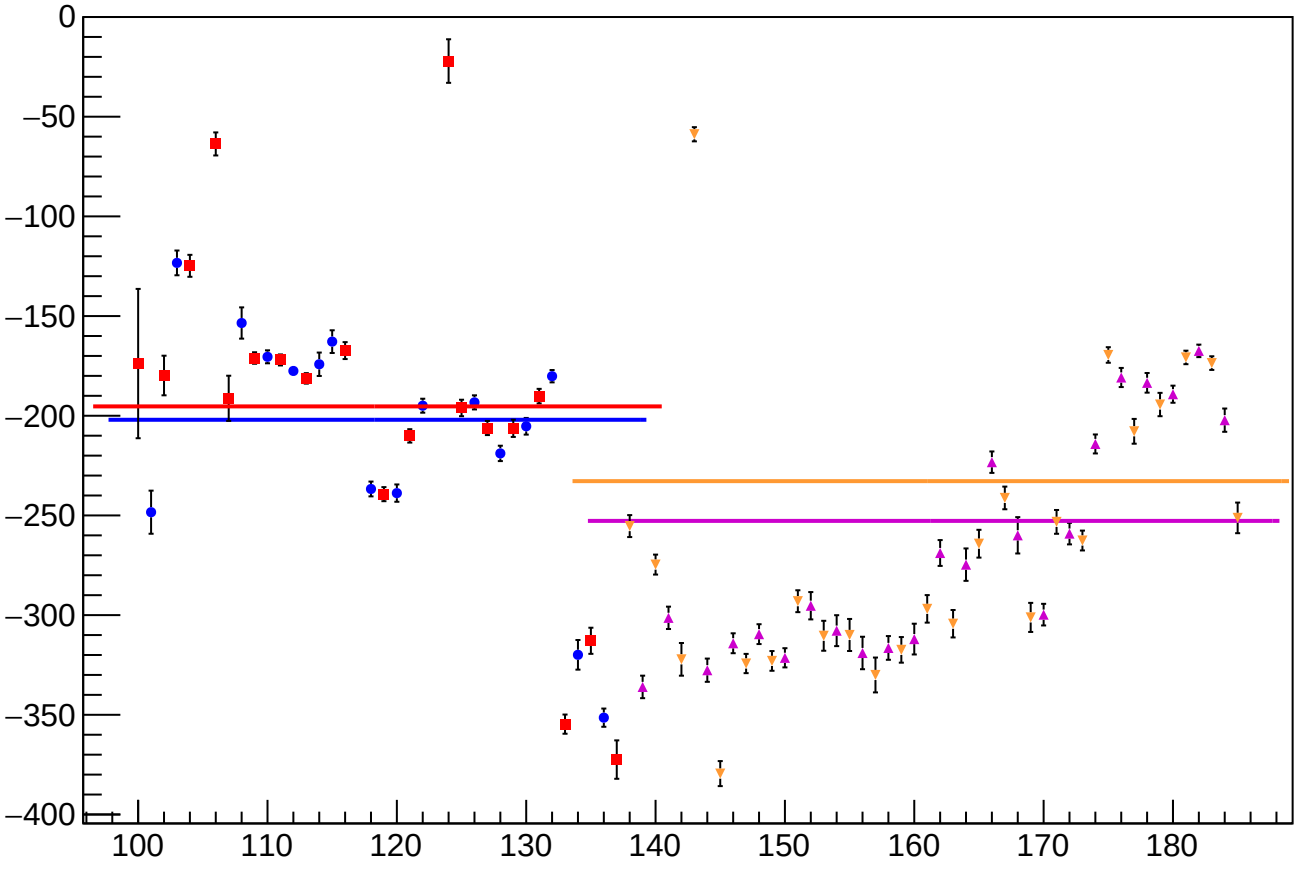
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 119.920+/-0.034 χ^2/NDF: 229899.1/40

All: 116.142+/-0.024 χ^2/NDF: 955997.1/82

- 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: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

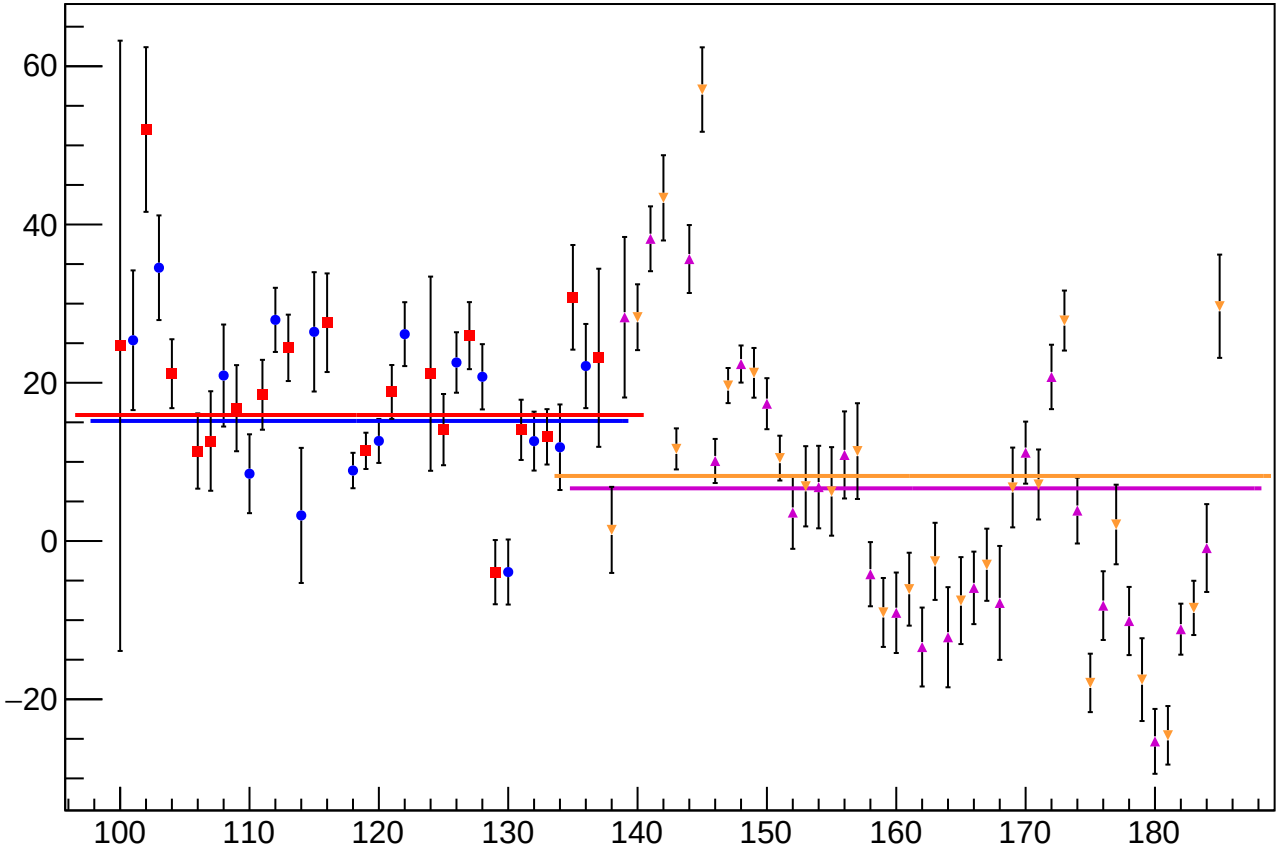
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -216.707+/-0.740 χ^2/NDF: 8235.4/40

All: -218.245+/-0.523 χ^2/NDF: 15739.2/82

- 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: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

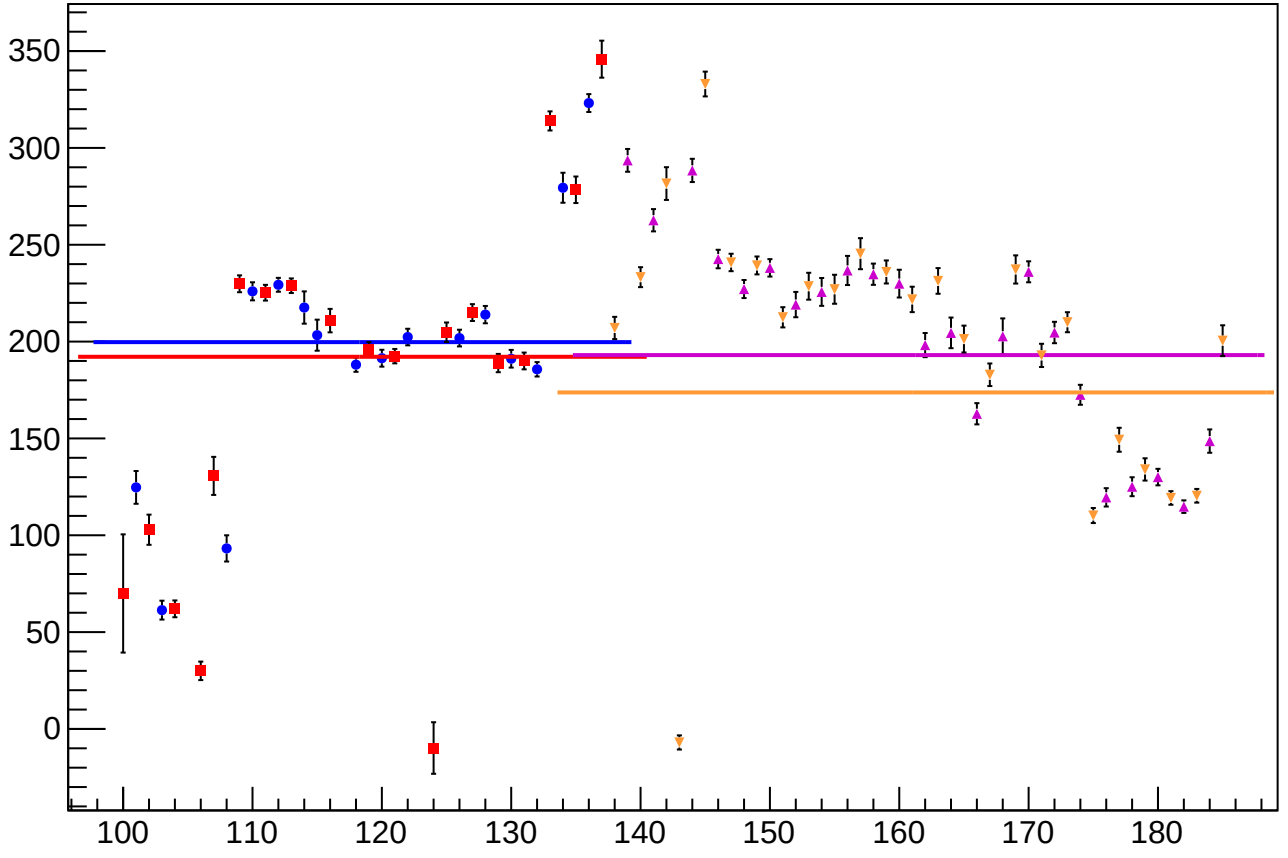
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 10.795+/-0.637 χ^2/NDF: 558.0/40

All: 10.617+/-0.459 χ^2/NDF: 1024.0/82

- 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: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

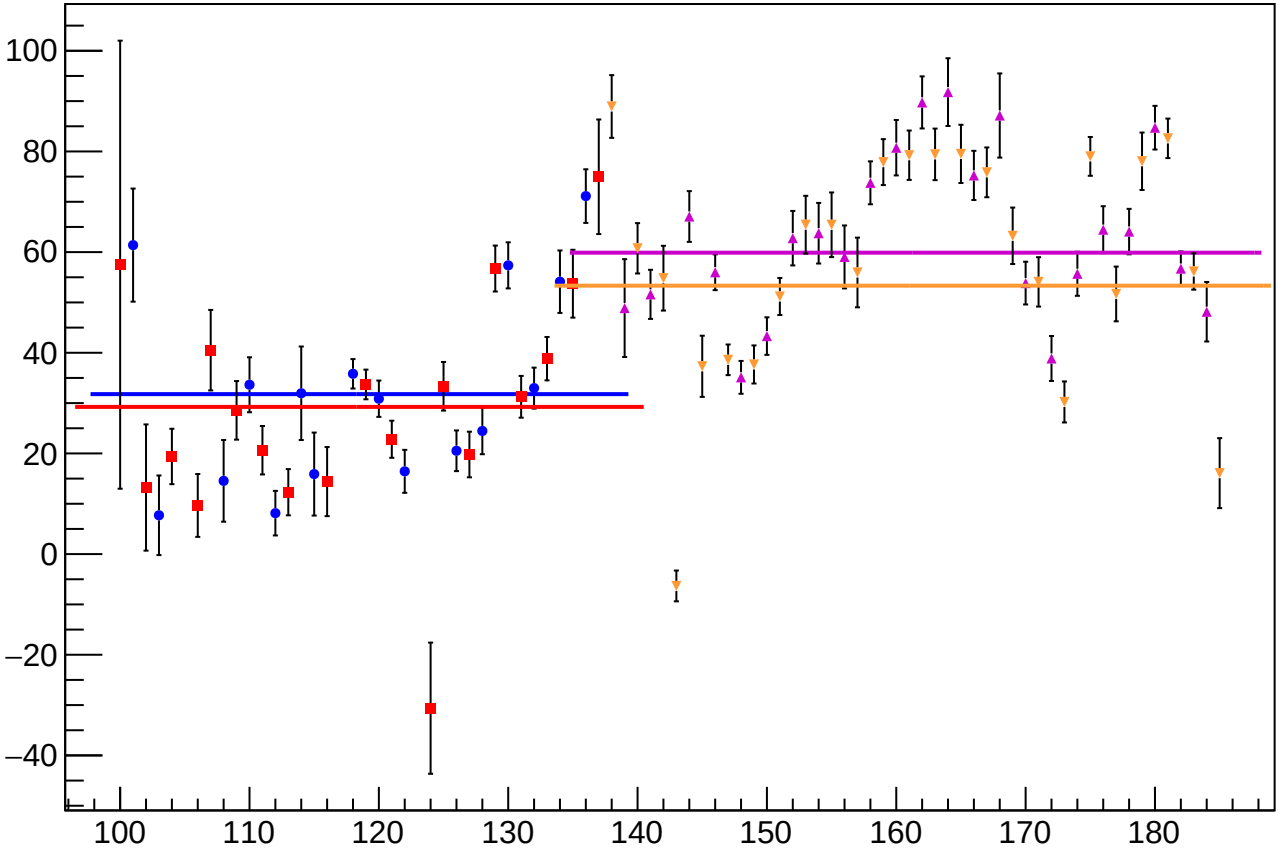
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 185.283+/-0.797 χ^2/NDF: 7624.6/40

All: 188.913+/-0.566 χ^2/NDF: 13955.9/82

- 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: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

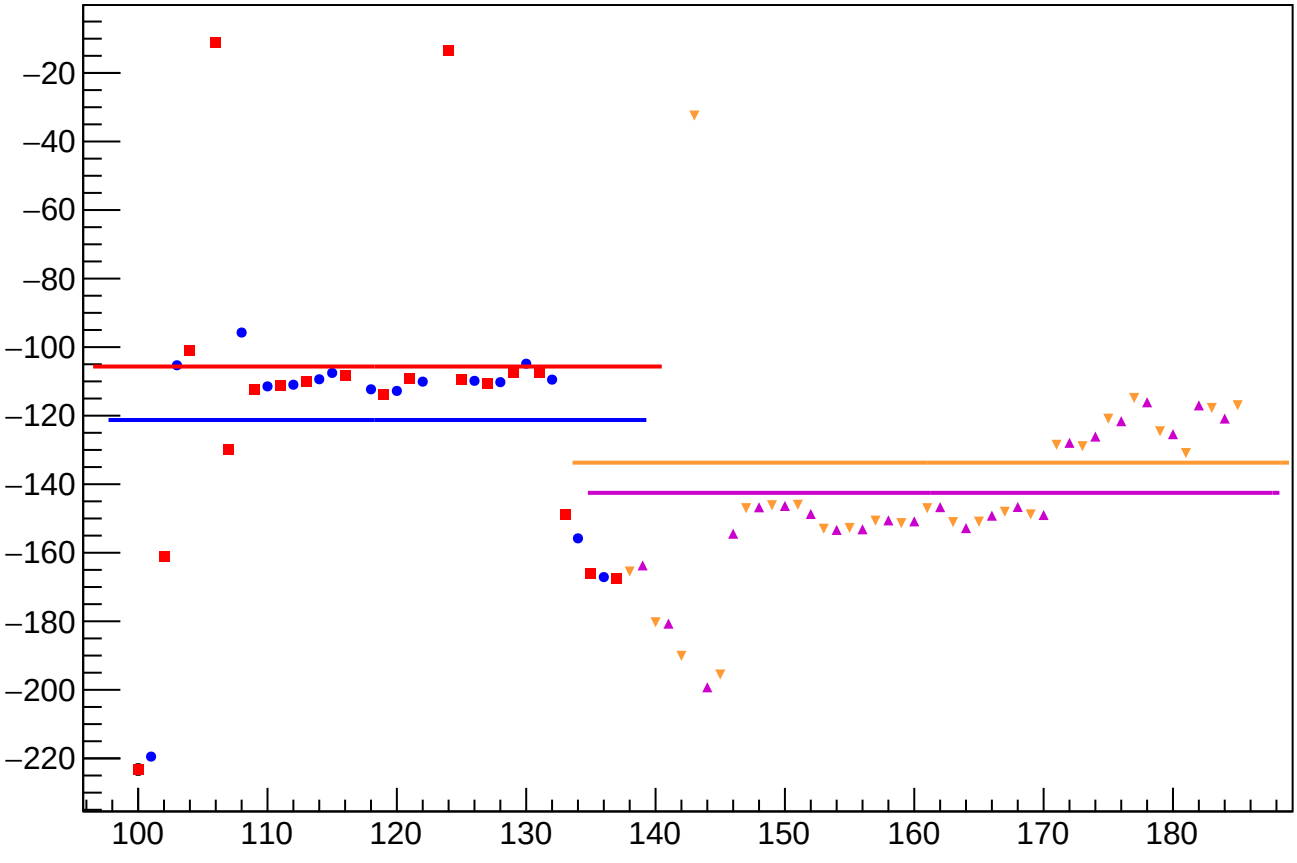
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 45.473+/-0.735 χ^2/NDF: 1155.2/40

All: 46.521+/-0.527 χ^2/NDF: 1945.0/82

- 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: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

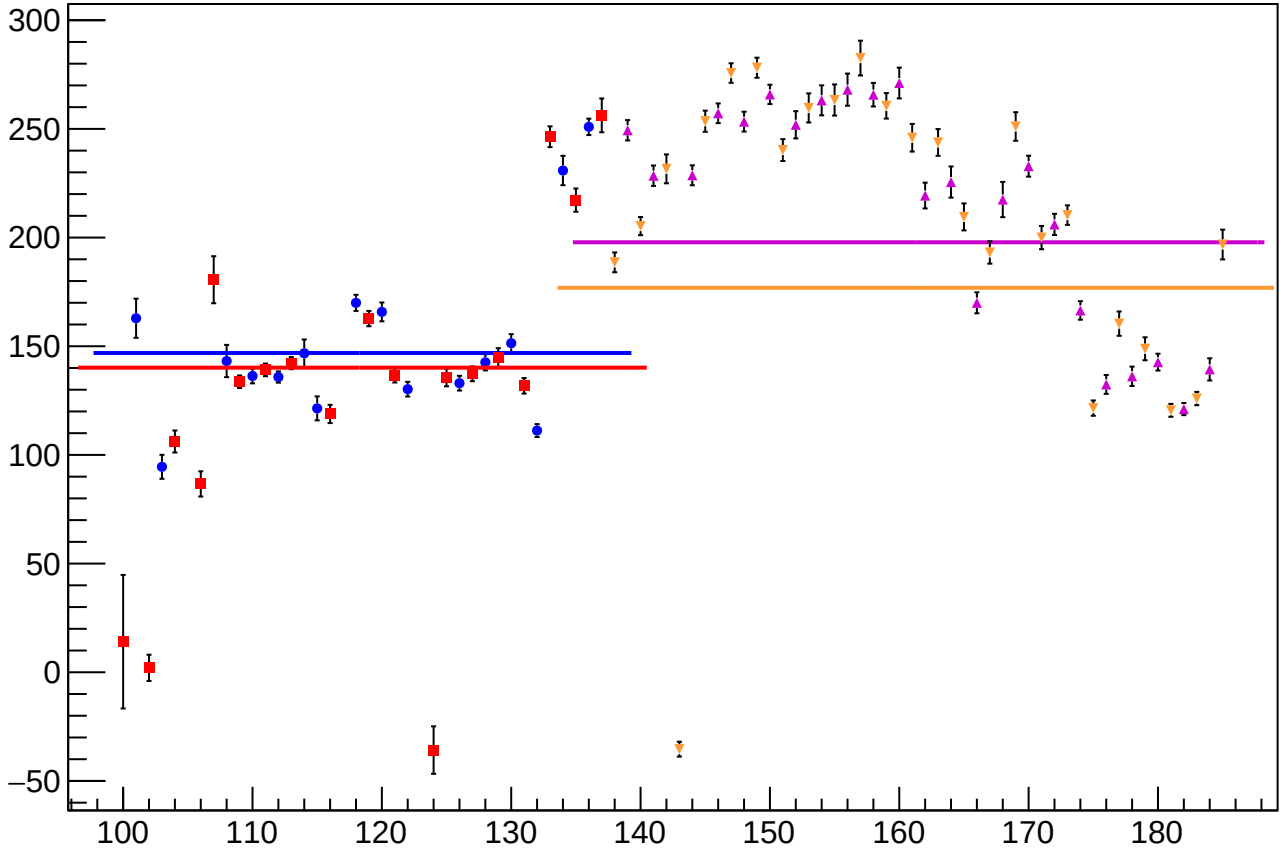
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -130.895+/-0.038 χ^2/NDF: 814407.2/40

All: -131.880+/-0.027 χ^2/NDF: 1529222.4/82

- 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: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

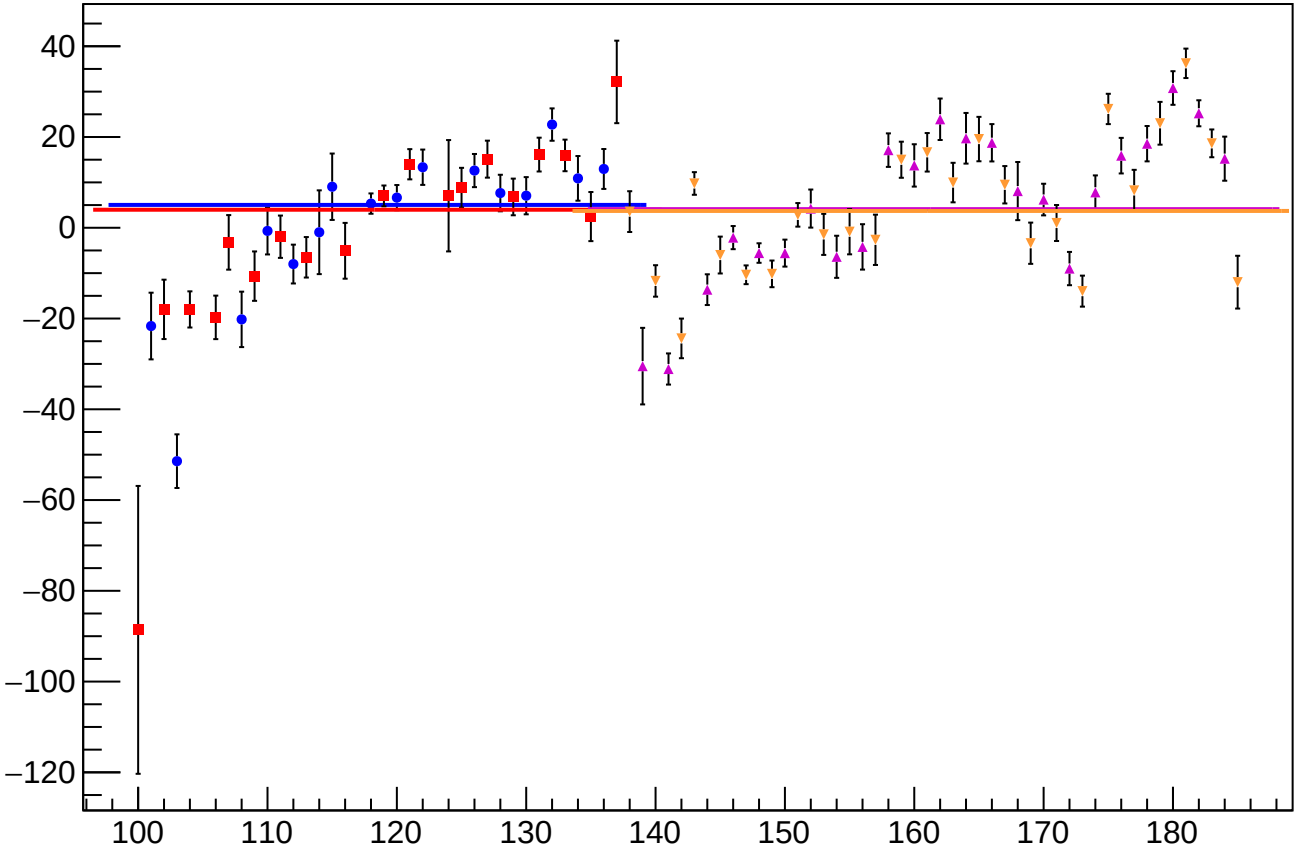
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

\+ sign 162.594+/-0.693 χ^2/NDF: 9194.0/40

All: 165.110+/-0.490 χ^2/NDF: 15859.0/82

\- 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: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

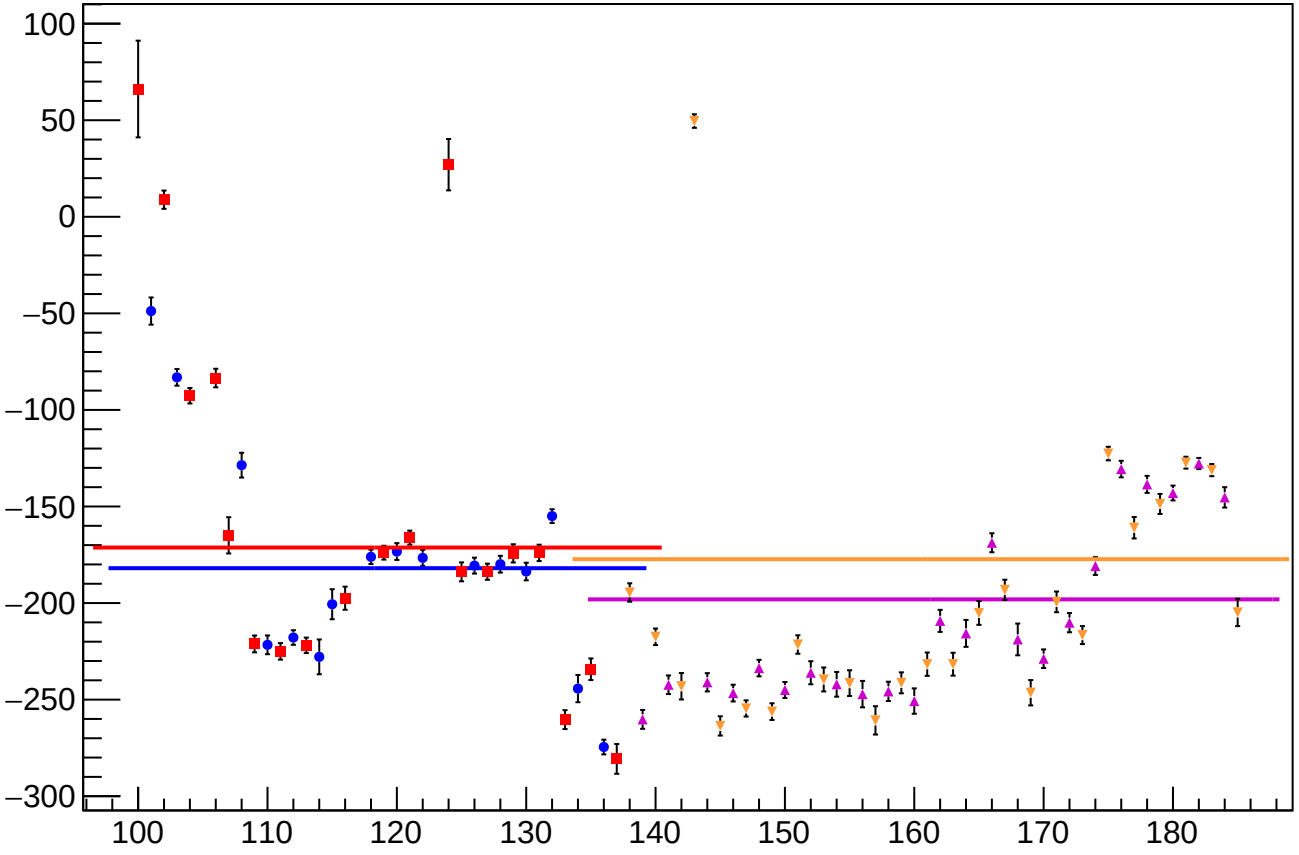
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 4.152+/-0.590 χ^2/NDF: 573.9/40

All: 4.106+/-0.425 χ^2/NDF: 1117.8/82

- 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: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

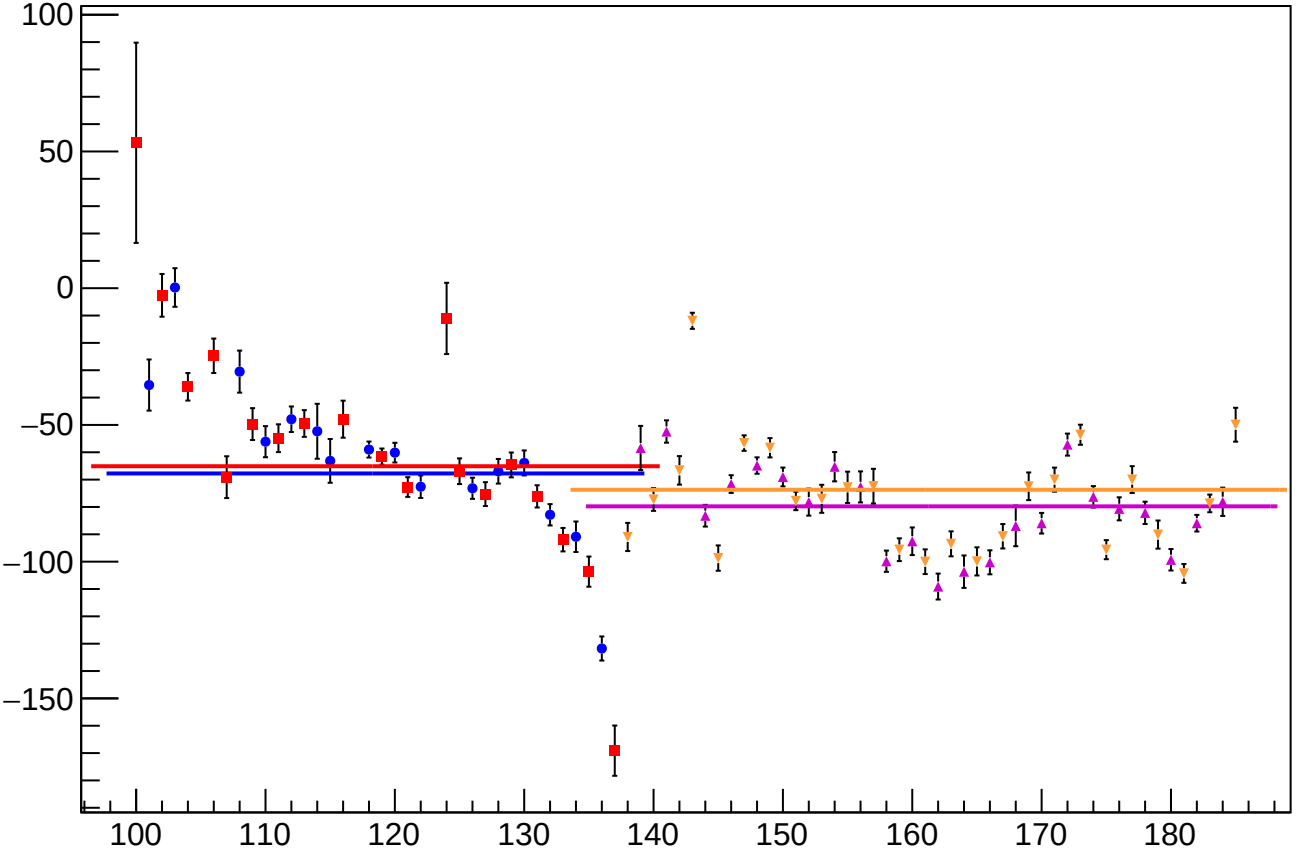
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -179.181+/-0.736 χ^2/NDF: 8920.1/40

All: -182.598+/-0.523 χ^2/NDF: 15300.1/82

- 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: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

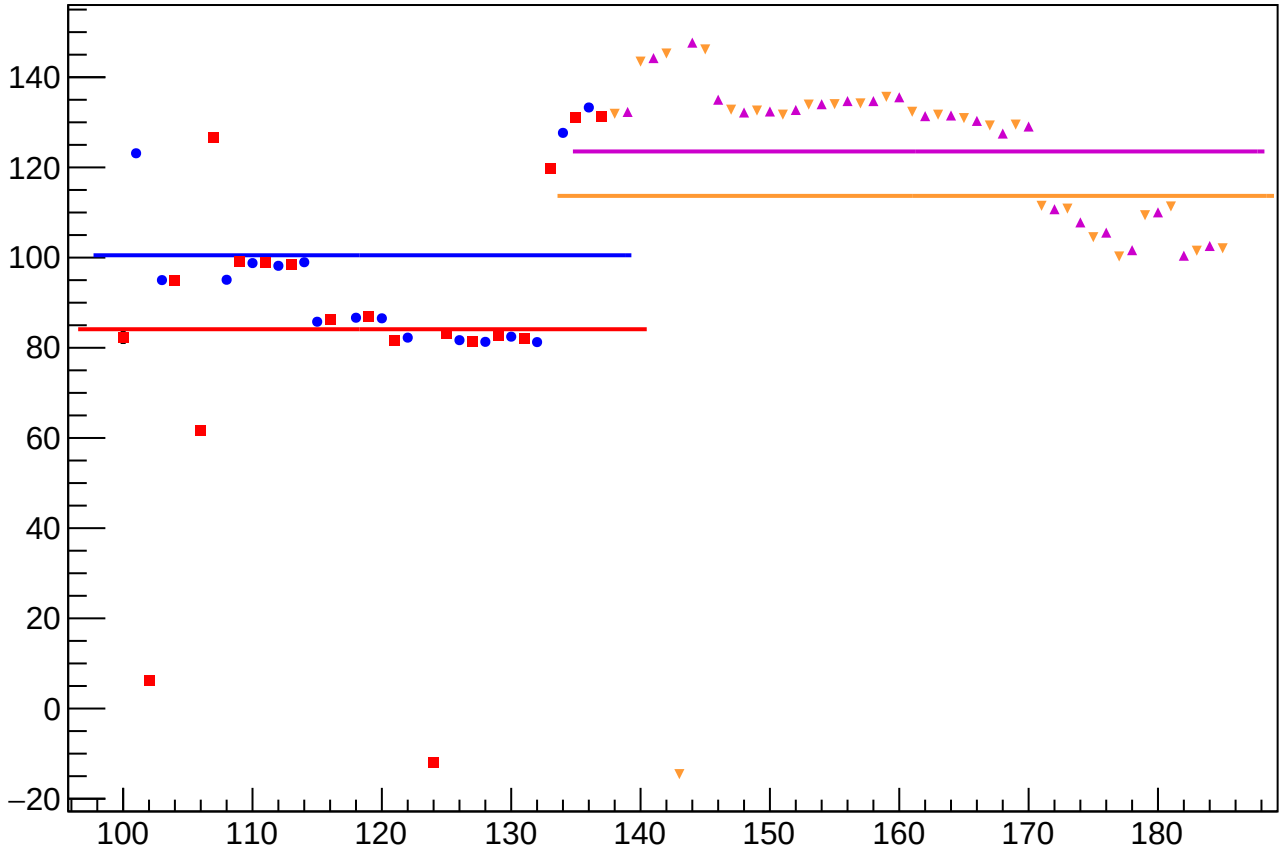
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -71.739+/-0.678 χ^2/NDF: 1270.7/40

All: -73.079+/-0.487 χ^2/NDF: 2086.2/82

- 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: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

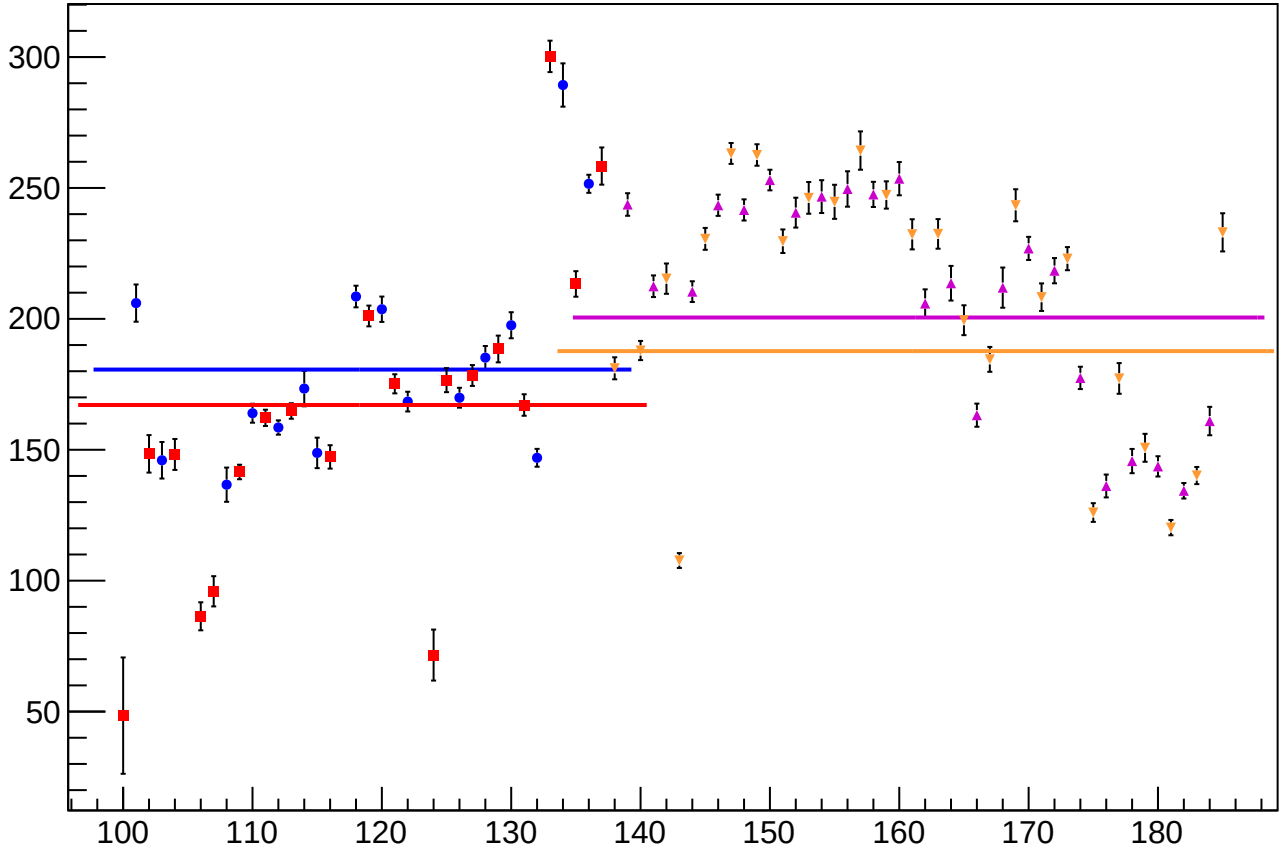
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

\+ sign 110.896+/-0.034 χ^2/NDF: 1055607.1/40

All: 112.338+/-0.024 χ^2/NDF: 1702025.4/82

\- 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: 187.681+/-0.898 χ^2/NDF:3528.3/24

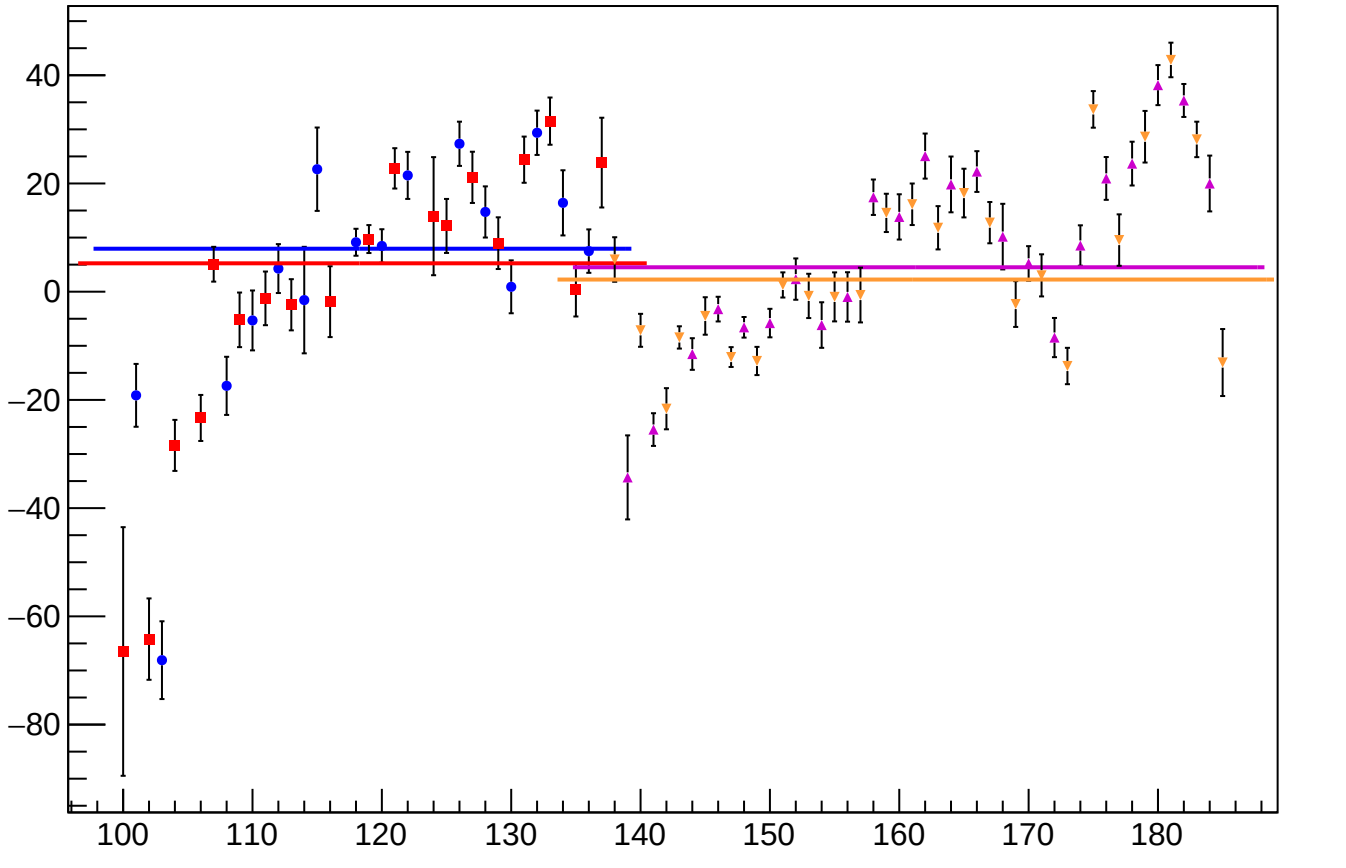
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 184.832+/-0.693 χ^2/NDF: 4546.6/40

All: 184.877+/-0.492 χ^2/NDF: 8714.2/82

- 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: 2.245+/-0.665 χ^2/NDF:600.9/24

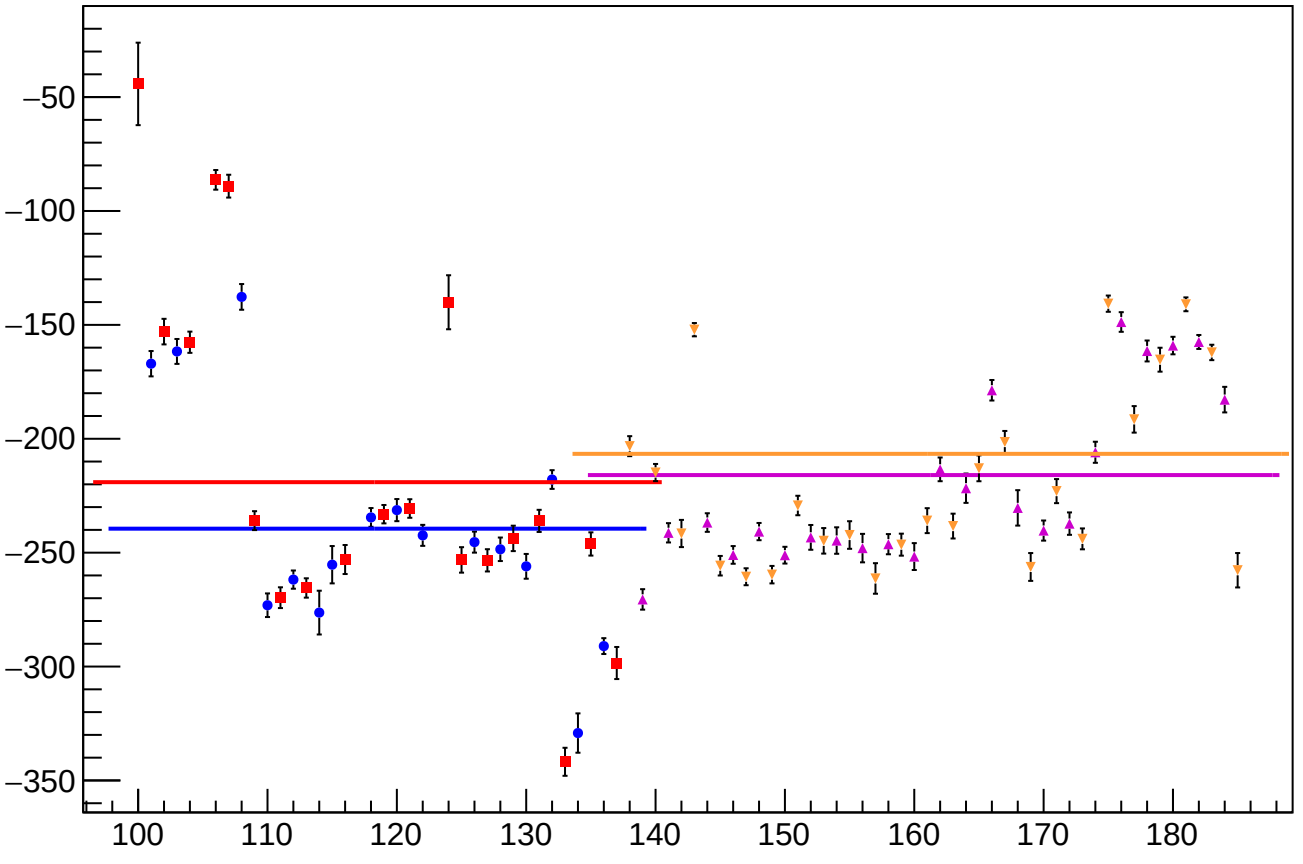
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 3.742+/-0.571 χ^2/NDF: 853.1/40

All: 4.222+/-0.411 χ^2/NDF: 1704.9/82

- 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: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

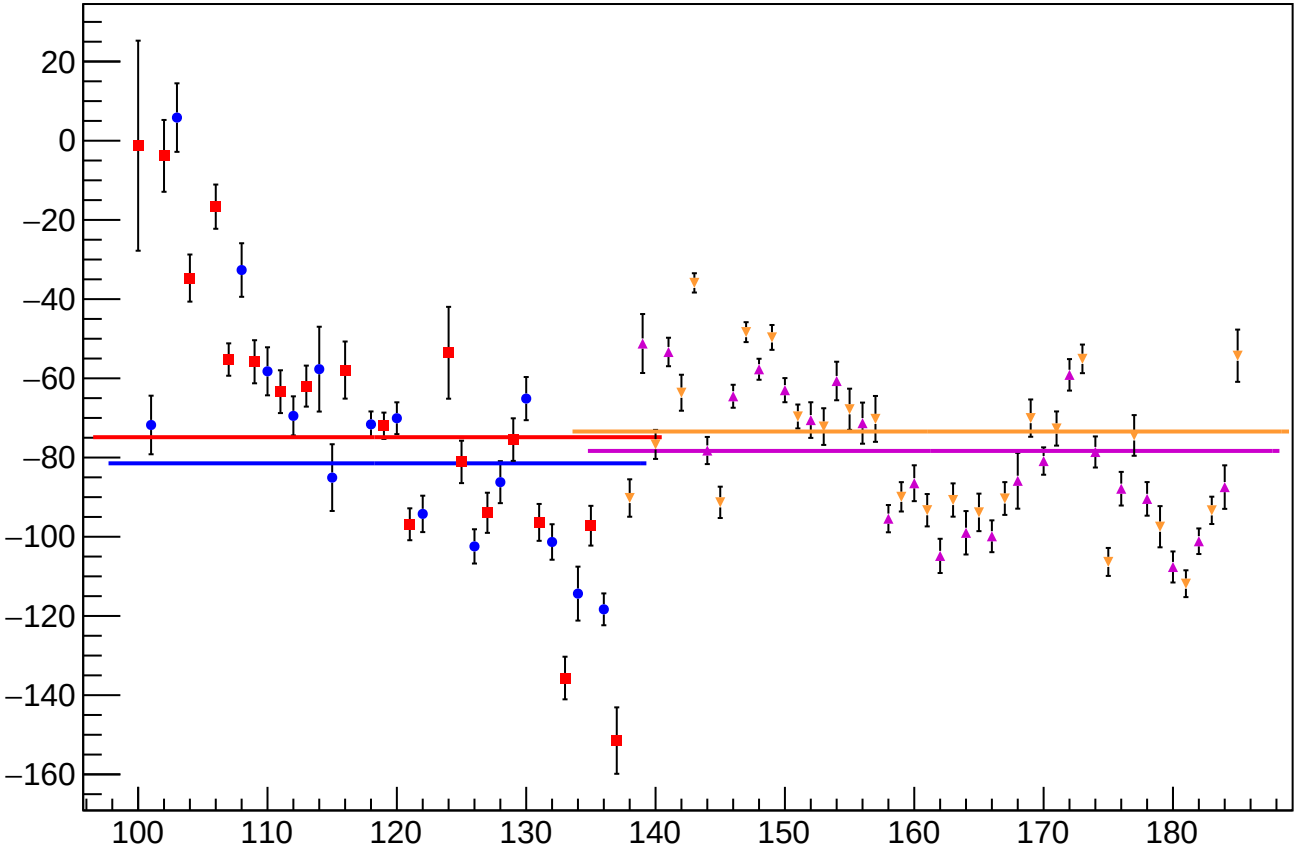
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -217.800+/-0.727 χ^2/NDF: 4088.9/40

All: -217.485+/-0.518 χ^2/NDF: 8854.8/82

- 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: -73.426+/-0.767 χ^2/NDF:836.6/24

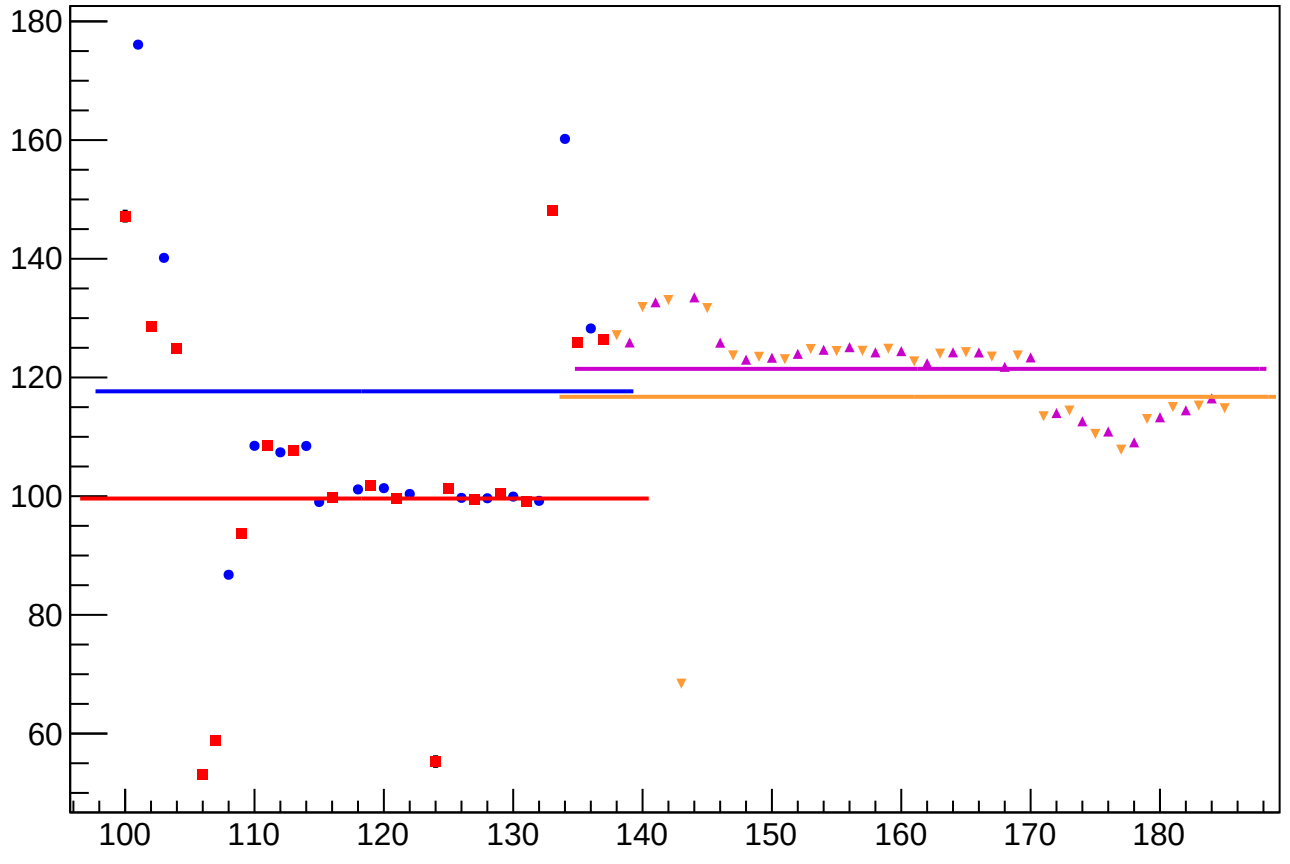
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -75.533+/-0.659 χ^2/NDF: 1231.8/40

All: -76.371+/-0.473 χ^2/NDF: 2260.5/82

- 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: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

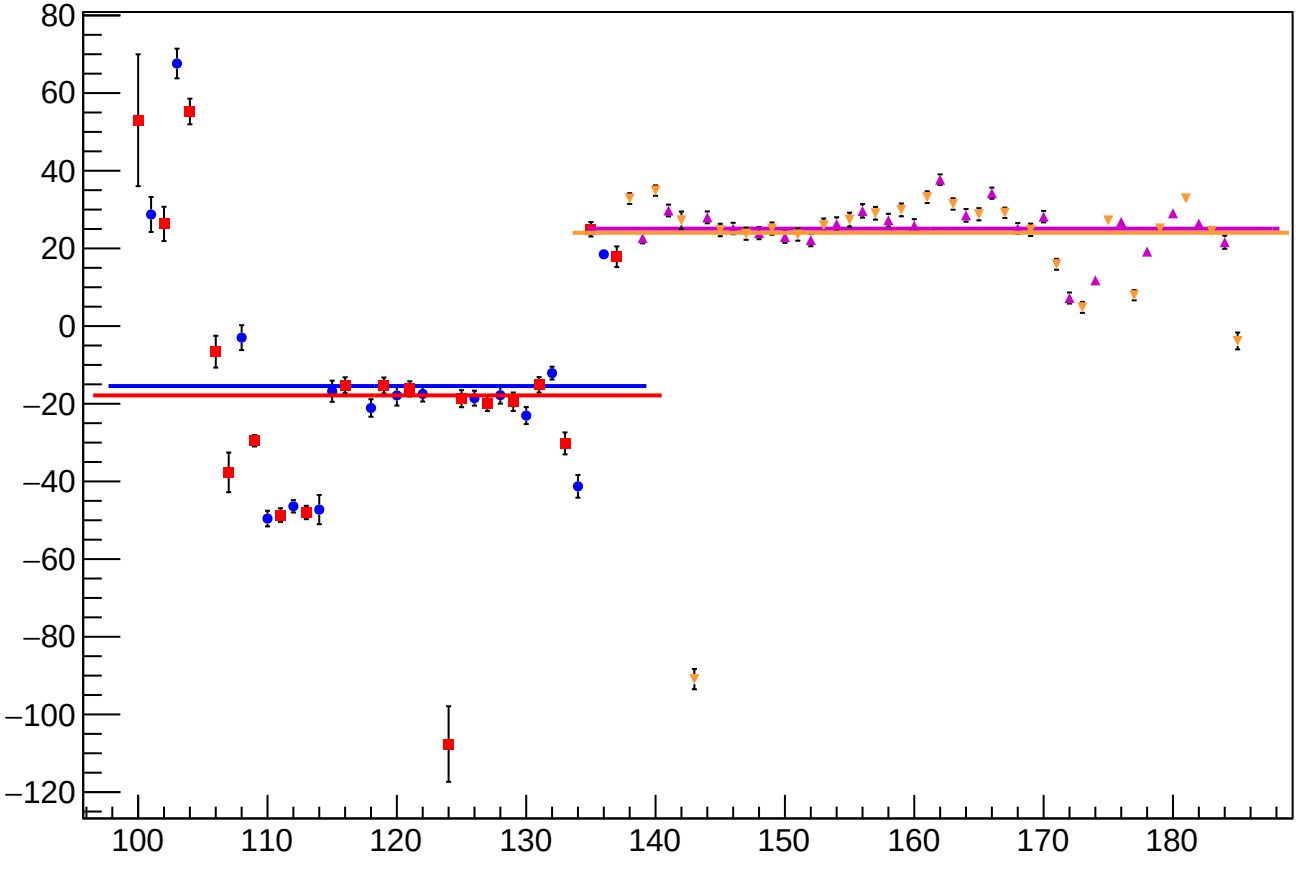
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 116.901+/-0.033 χ^2/NDF: 299163.8/40

All: 116.782+/-0.023 χ^2/NDF: 569633.6/82

\- 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: 24.025+/-0.282 χ^2/NDF:2802.2/24

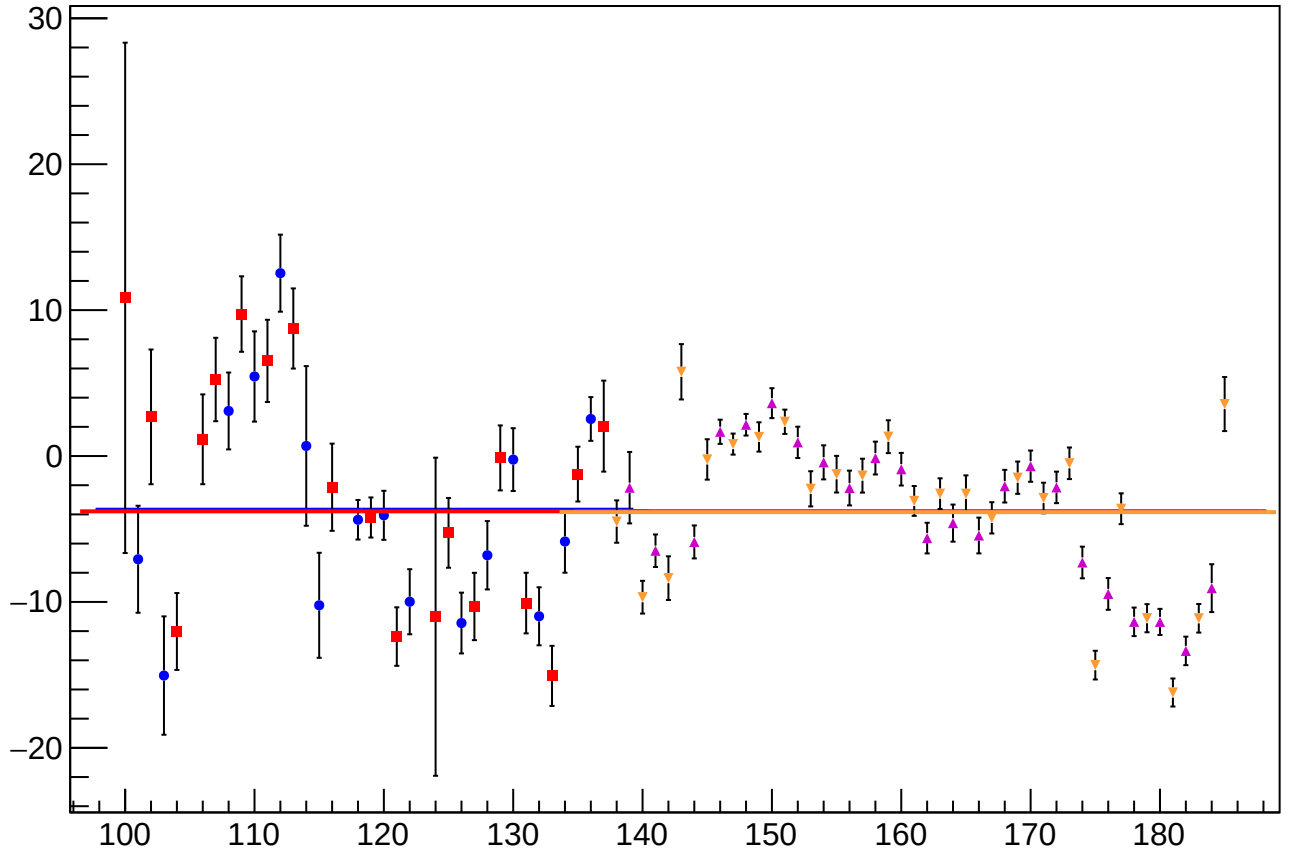
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.545+/-0.250 χ^2/NDF: 9134.2/40

All: 15.439+/-0.178 χ^2/NDF: 16833.8/82

- 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: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

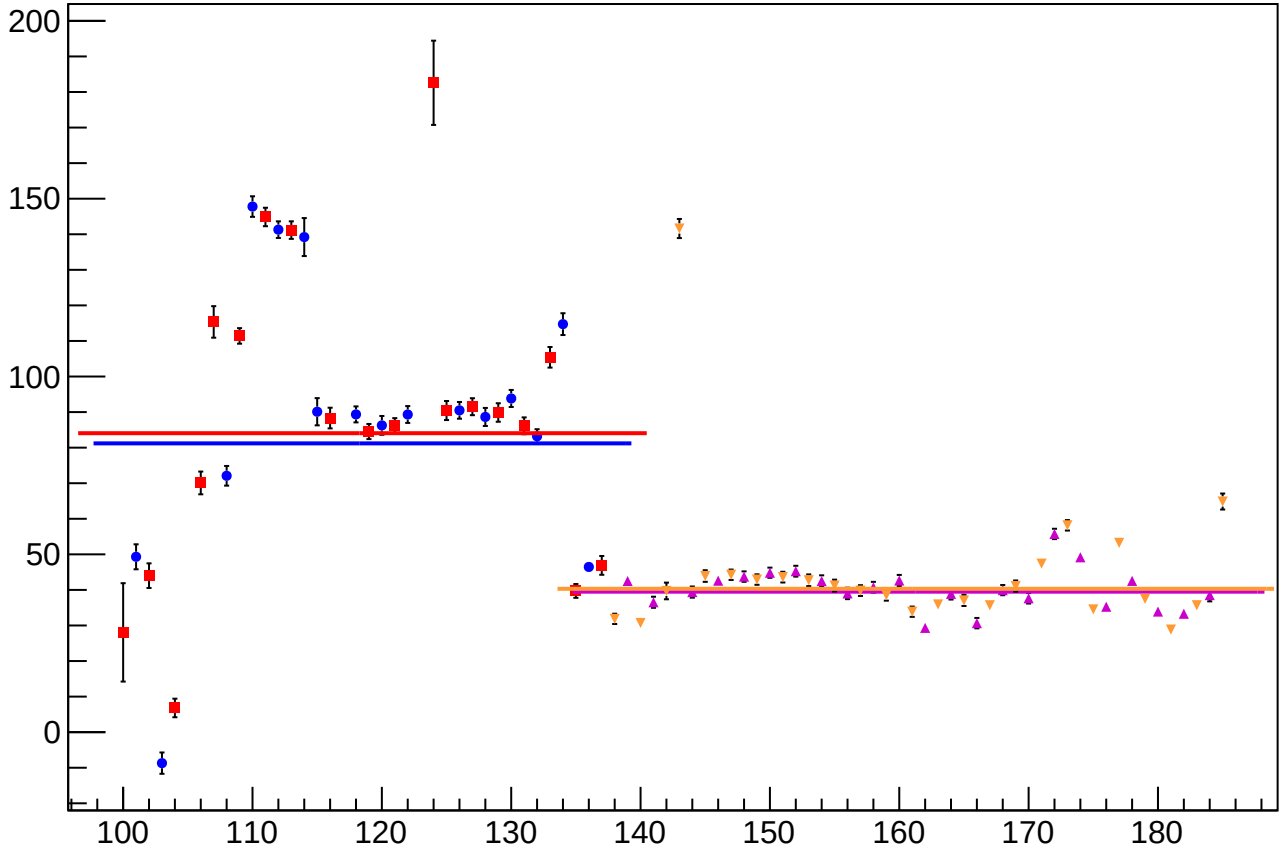
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.823+/-0.203 χ^2/NDF: 773.4/40

All: -3.803+/-0.145 χ^2/NDF: 1444.5/82

- 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: 40.315+/-0.280 χ^2/NDF:2182.8/24

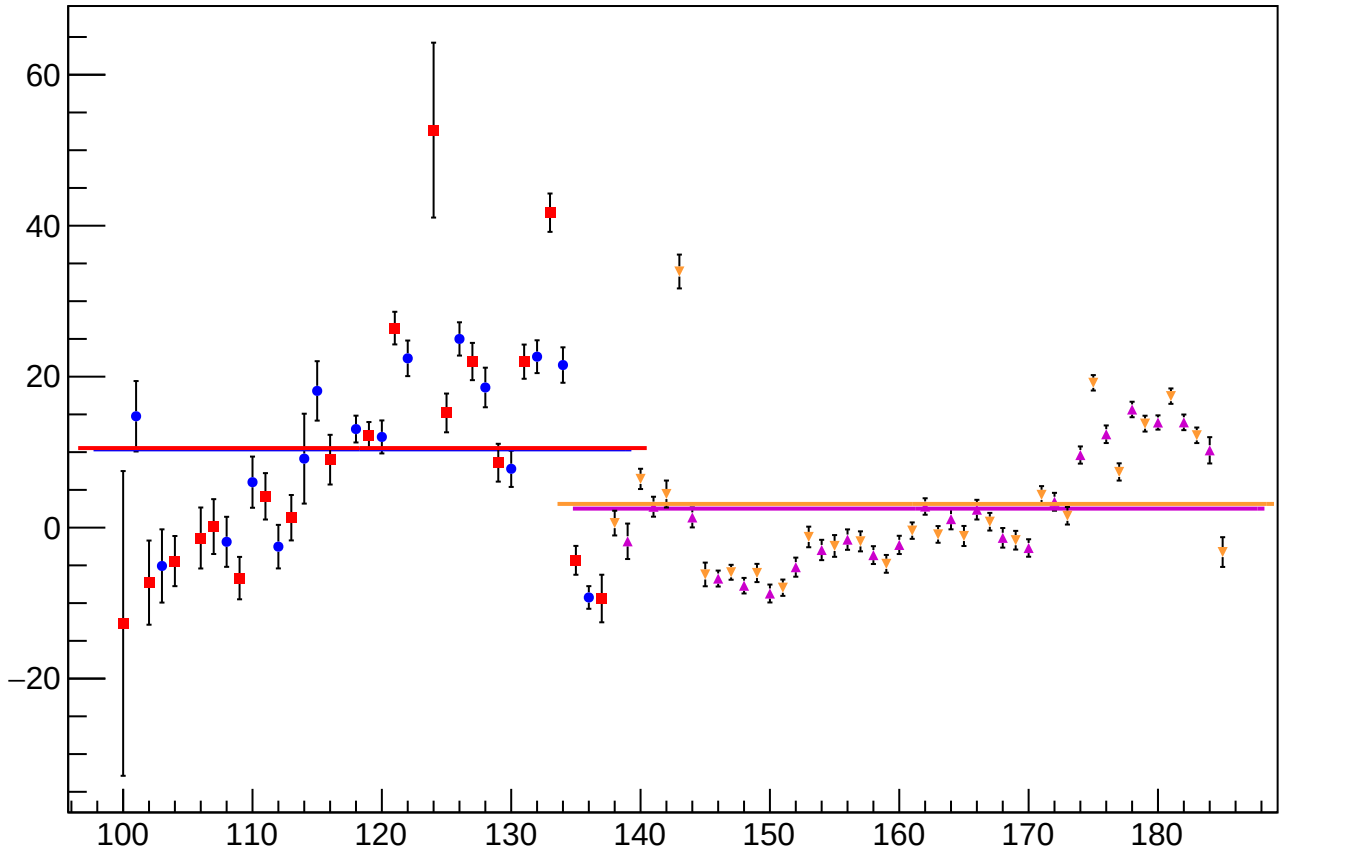
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

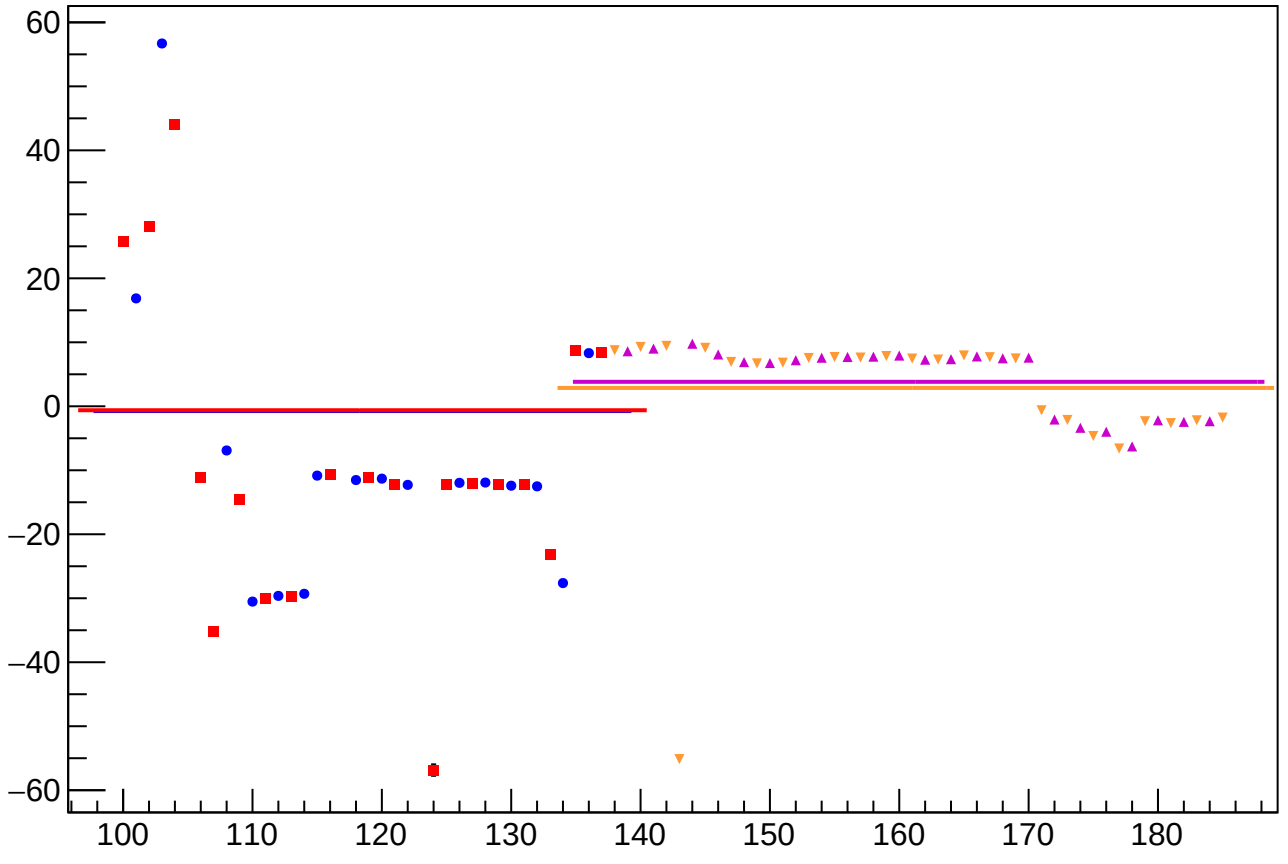
Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 47.494+/-0.254 χ^2/NDF: 9153.4/40

All: 47.420+/-0.181 χ^2/NDF: 17100.8/82

- sign 47.342+/-0.258 χ^2/NDF: 7947.2/41


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
+ sign 4.103+/-0.229 χ²/NDF: 1742.1/40
All: 3.851+/-0.163 χ²/NDF: 3319.5/82
- sign 3.587+/-0.234 χ²/NDF: 1574.9/41



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

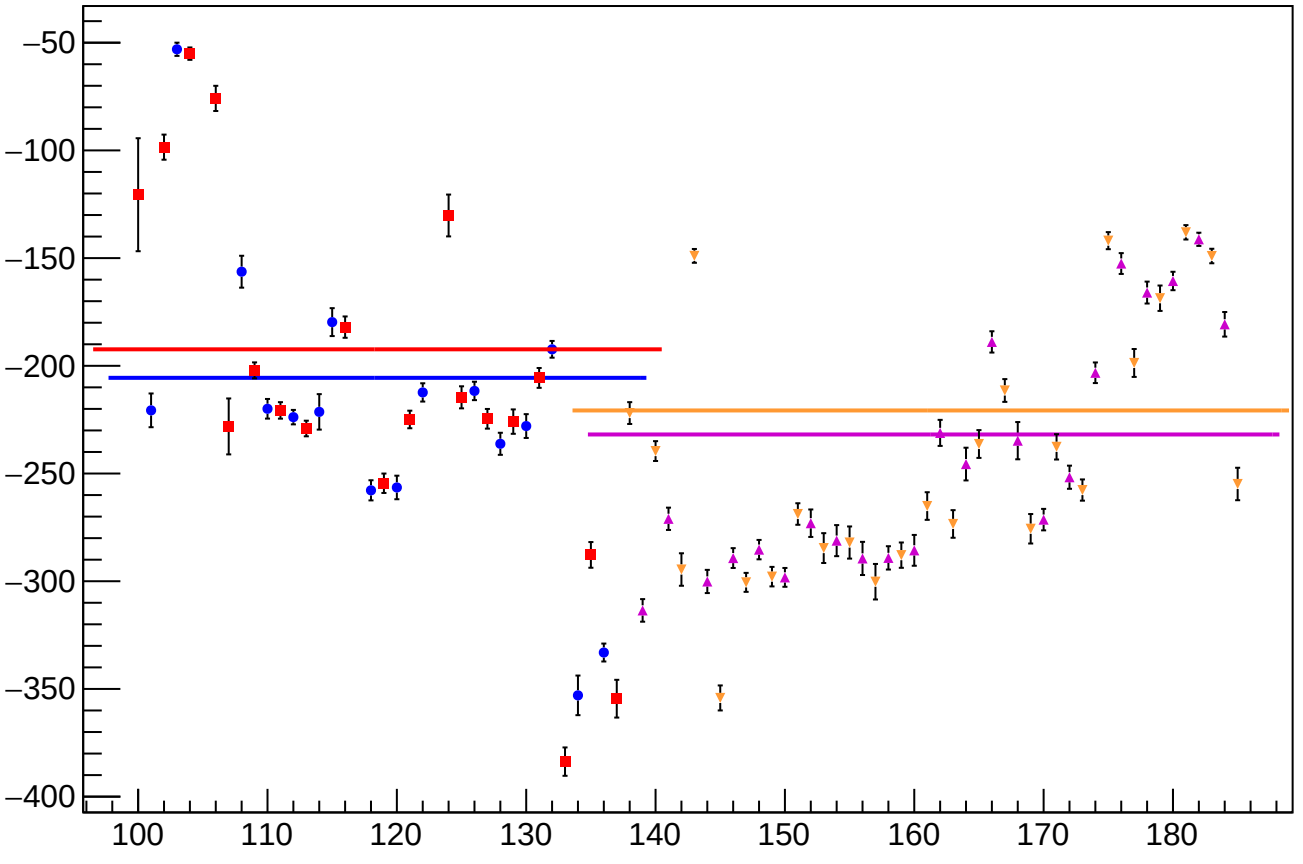
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.560+/-0.011 χ^2/NDF: 889606.3/40

All: 3.006+/-0.007 χ^2/NDF: 1455992.4/82

- sign 3.464+/-0.011 χ^2/NDF: 562731.6/41



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

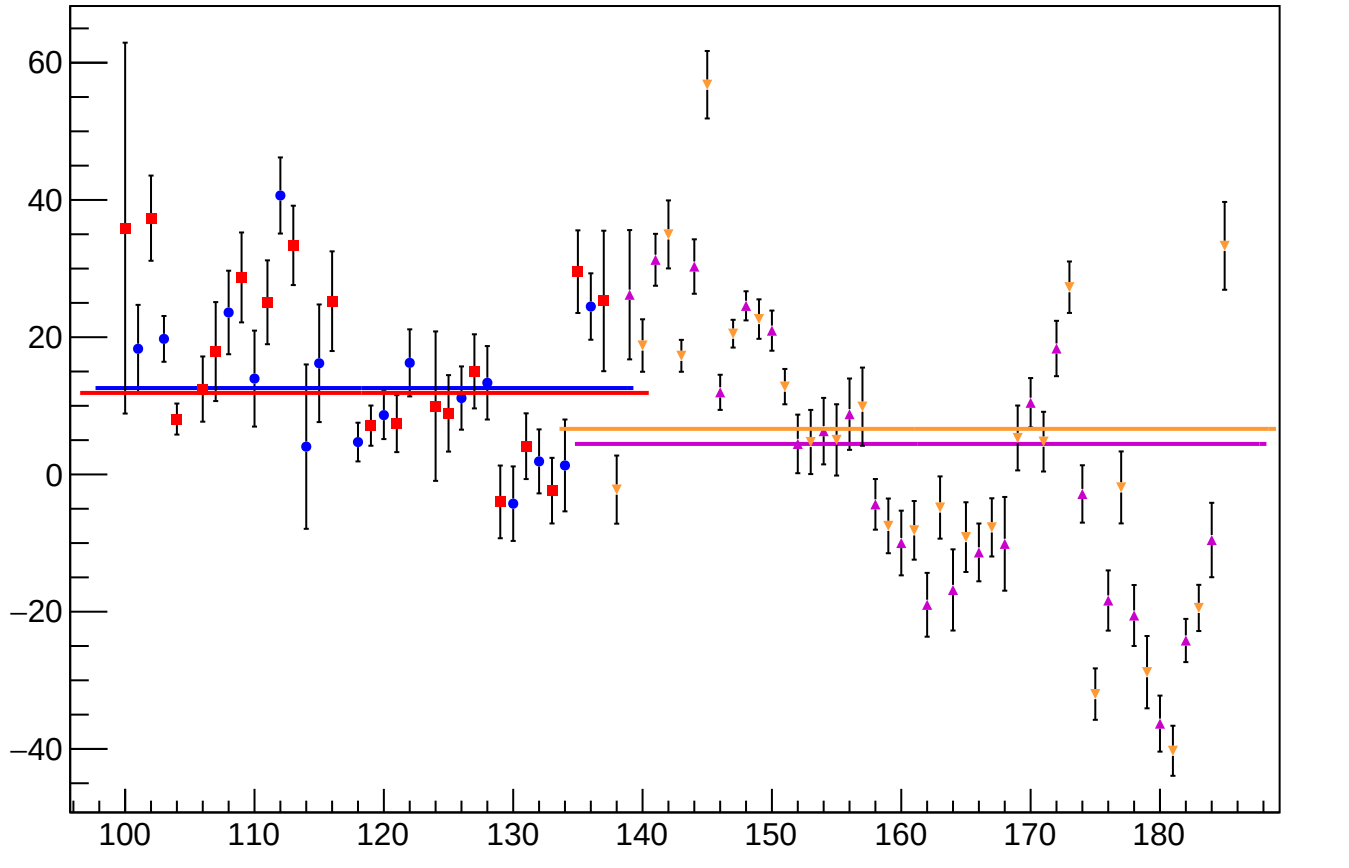
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -214.289+/-0.772 χ^2/NDF: 8202.3/40

All: -213.612+/-0.548 χ^2/NDF: 16979.6/82

- 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: 6.643+/-0.752 χ^2/NDF:735.0/24

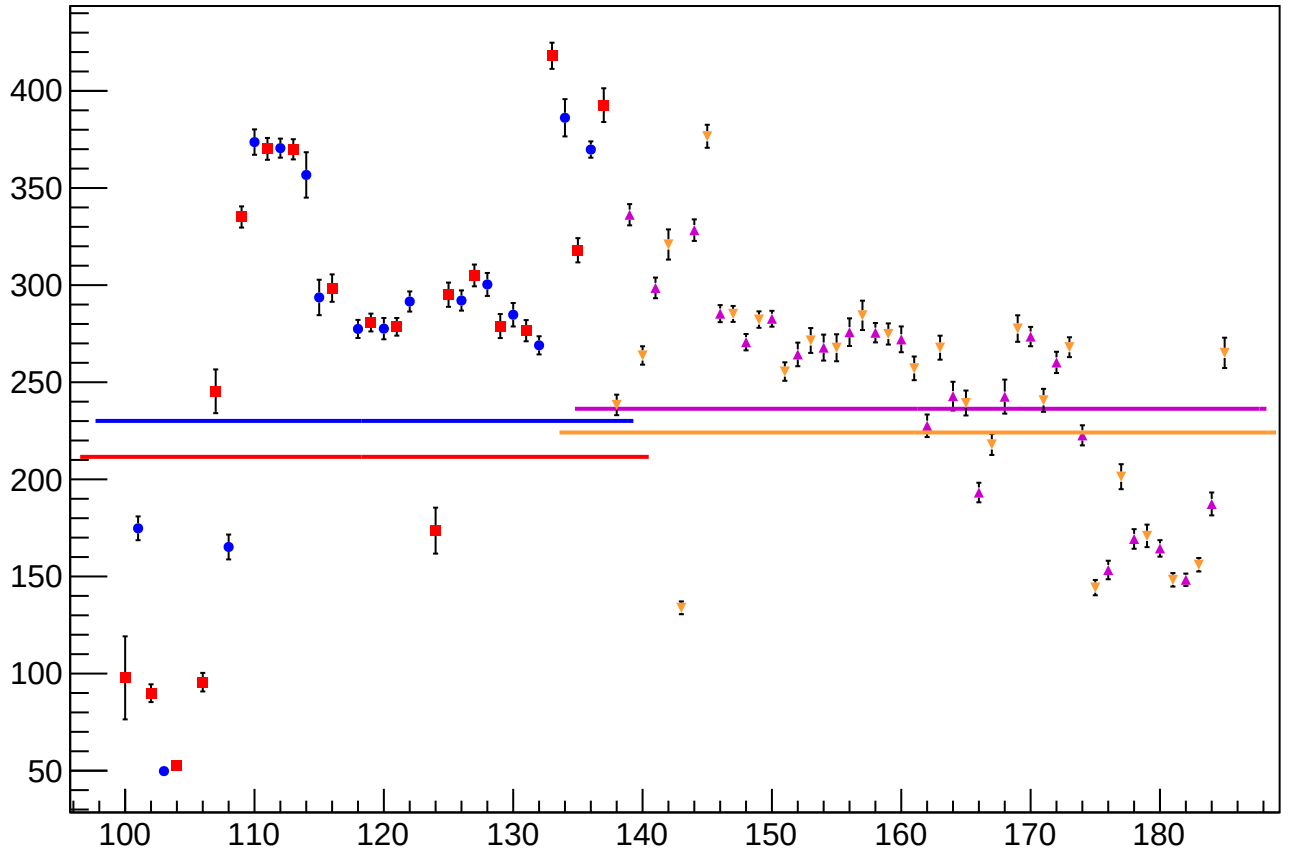
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 8.317+/-0.638 χ^2/NDF: 821.0/40

All: 7.667+/-0.457 χ^2/NDF: 1504.1/82

- sign 6.982+/-0.655 χ^2/NDF: 680.9/41



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

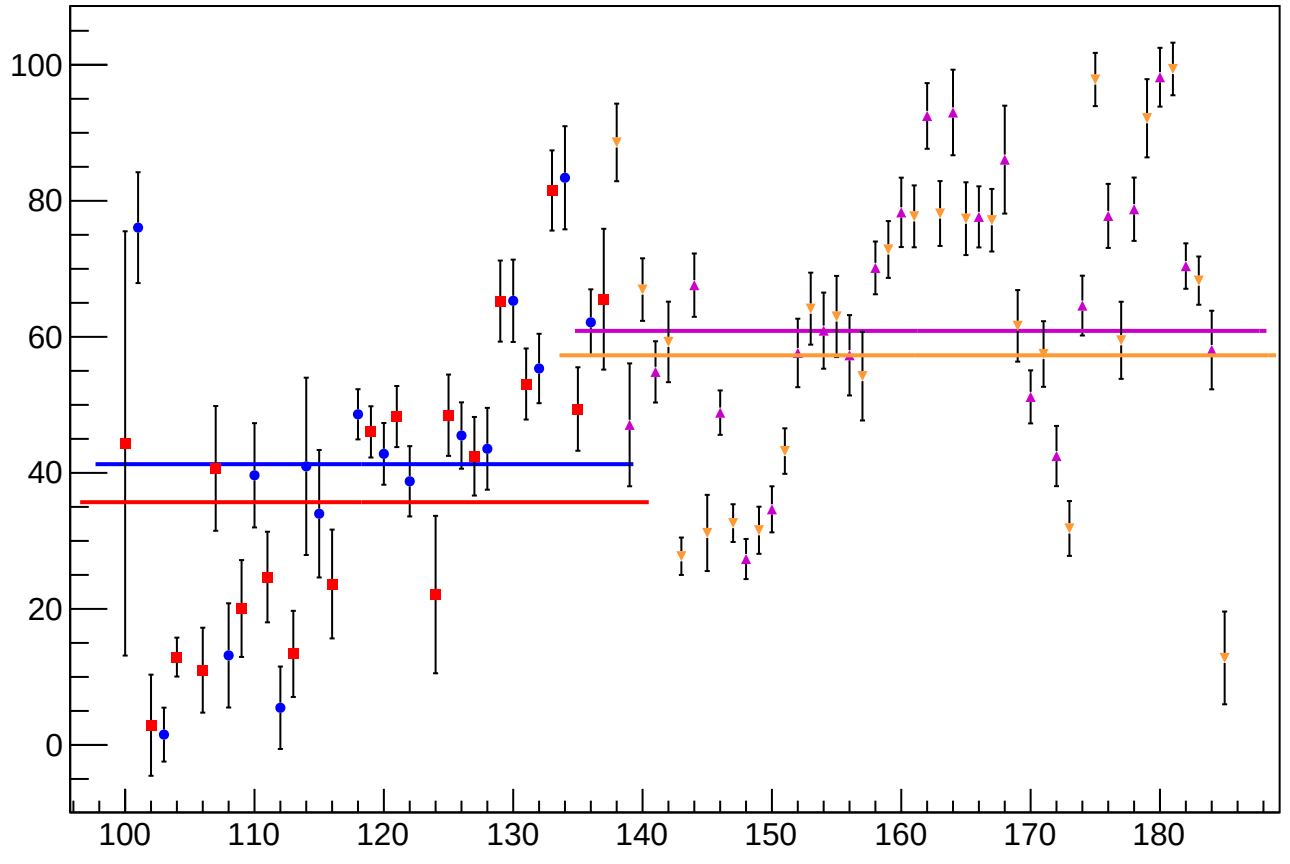
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 226.470+/-0.790 χ^2/NDF: 13355.9/40

All: 225.925+/-0.561 χ^2/NDF: 28060.8/82

- 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: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

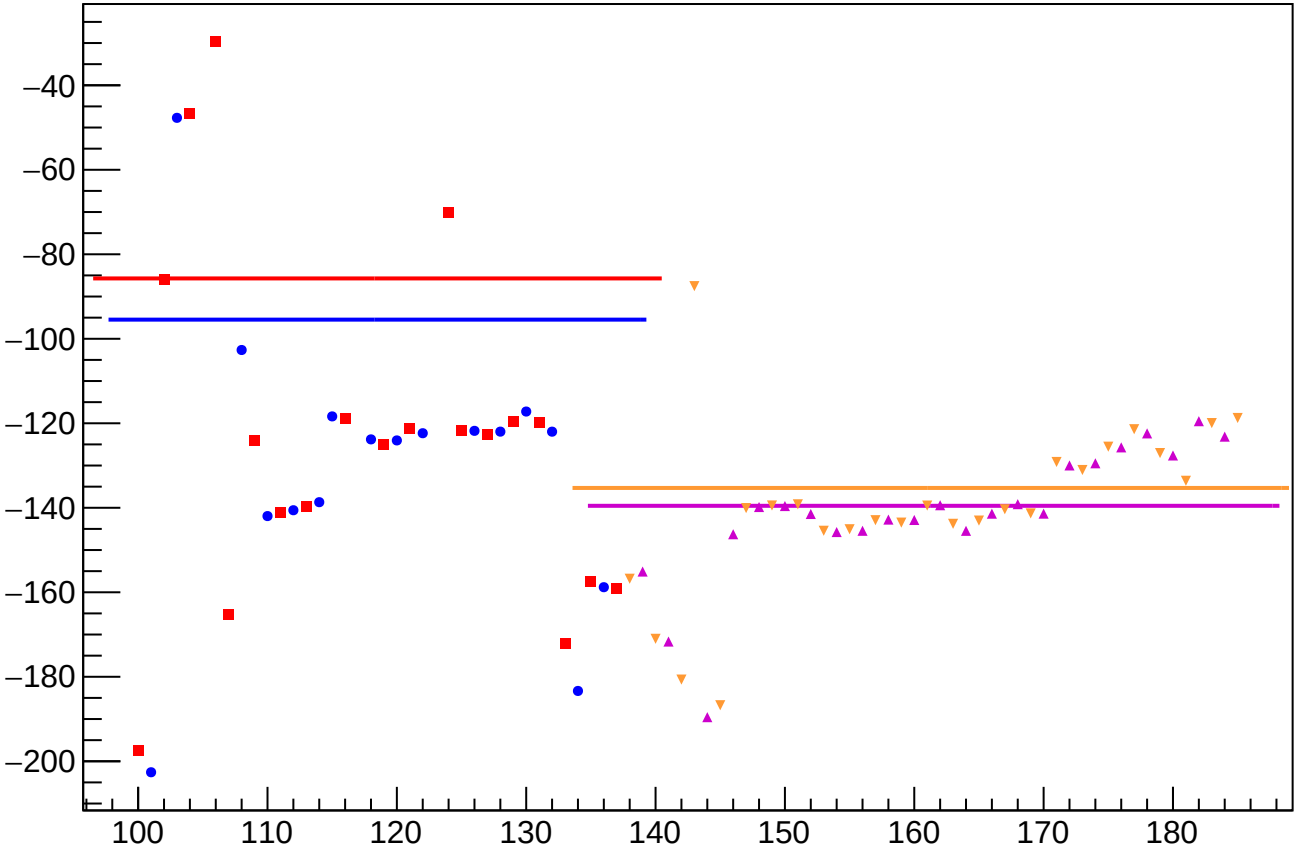
Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 52.832+/-0.737 χ^2/NDF: 1108.3/40

All: 52.712+/-0.528 χ^2/NDF: 2061.6/82

- 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: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

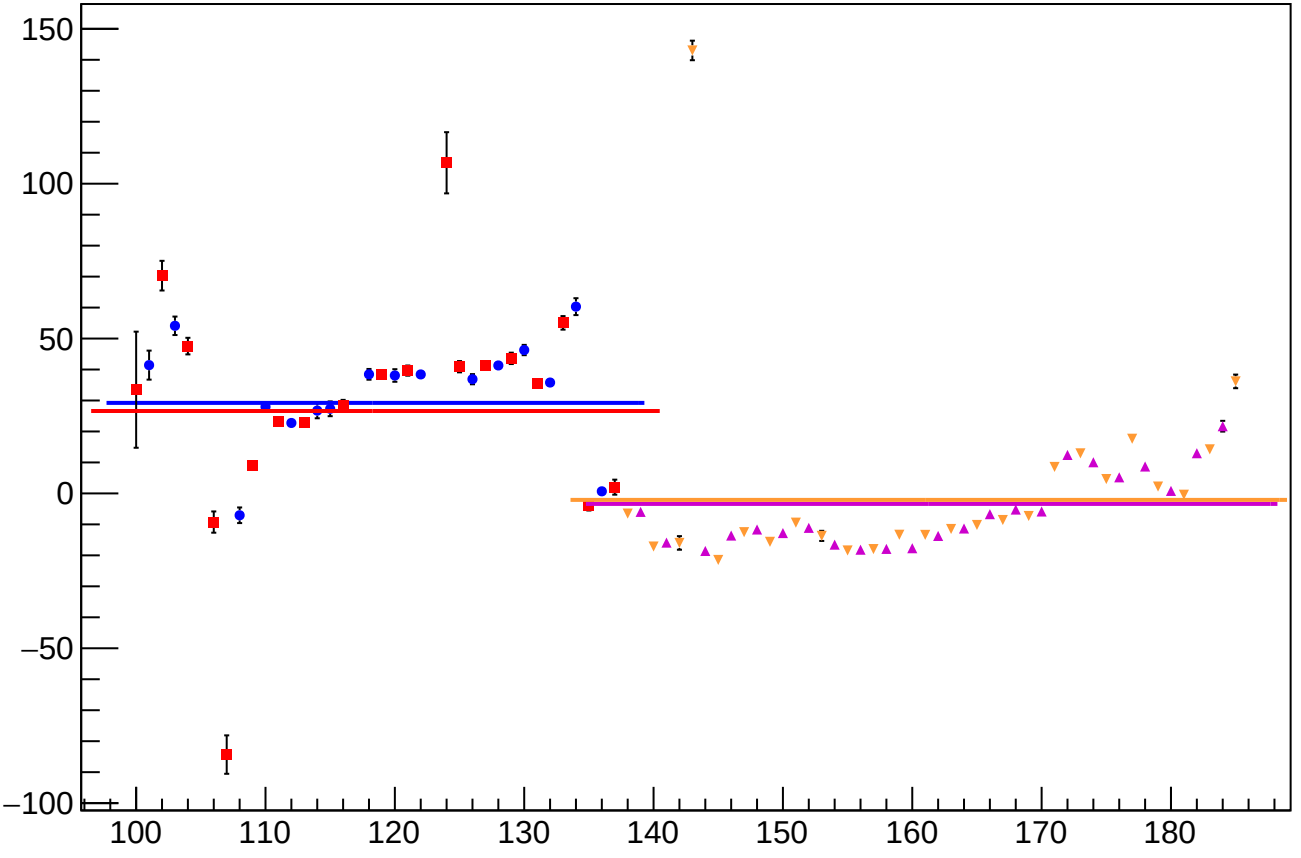
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.168+/-0.035 χ^2/NDF: 1028112.9/40

All: -124.731+/-0.025 χ^2/NDF: 2088507.5/82

- 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: -2.091+/-0.267 χ^2/NDF:4201.3/24

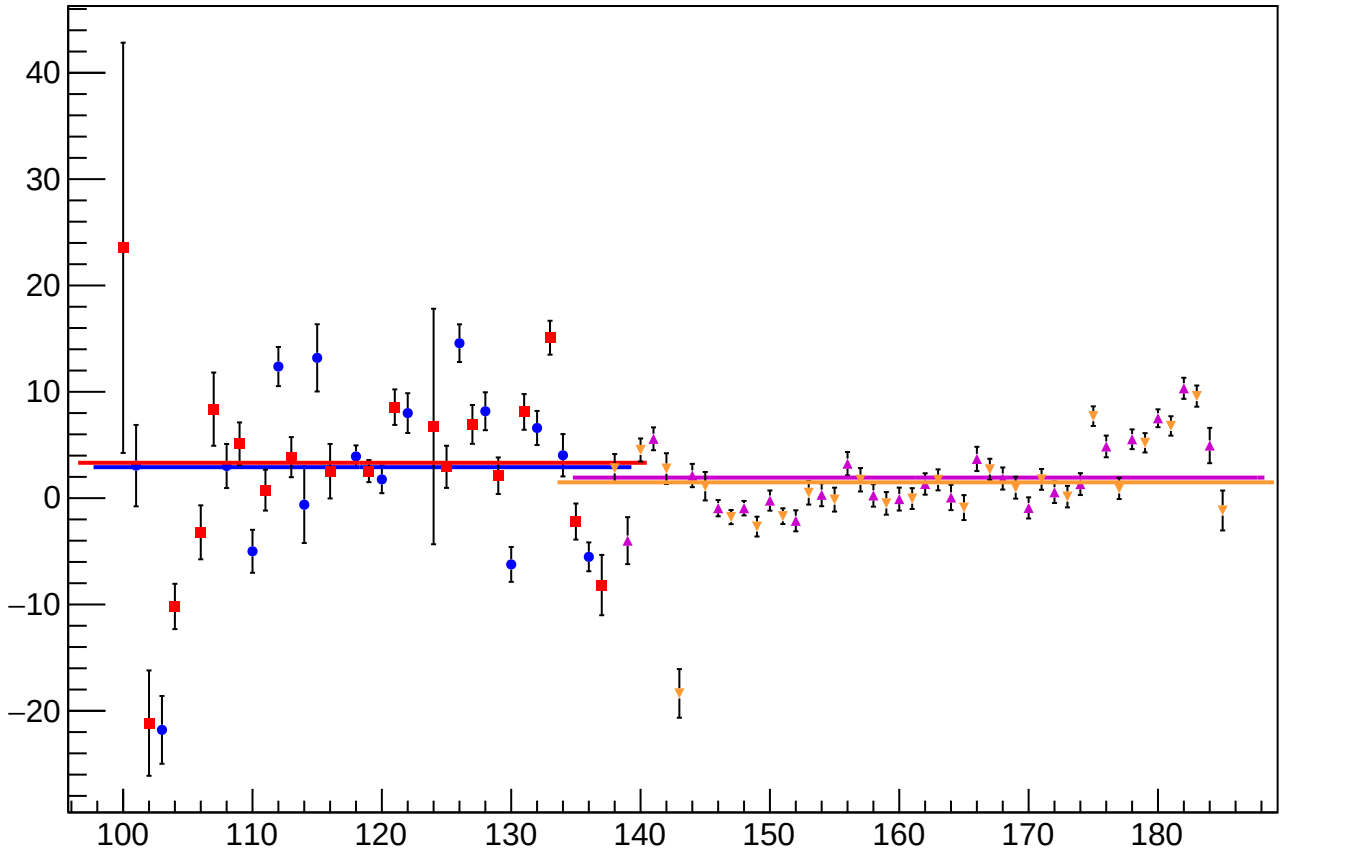
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 6.783+/-0.226 χ^2/NDF: 9449.6/40

All: 6.204+/-0.160 χ^2/NDF: 16808.8/82

- sign 5.619+/-0.227 χ^2/NDF: 7346.0/41



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

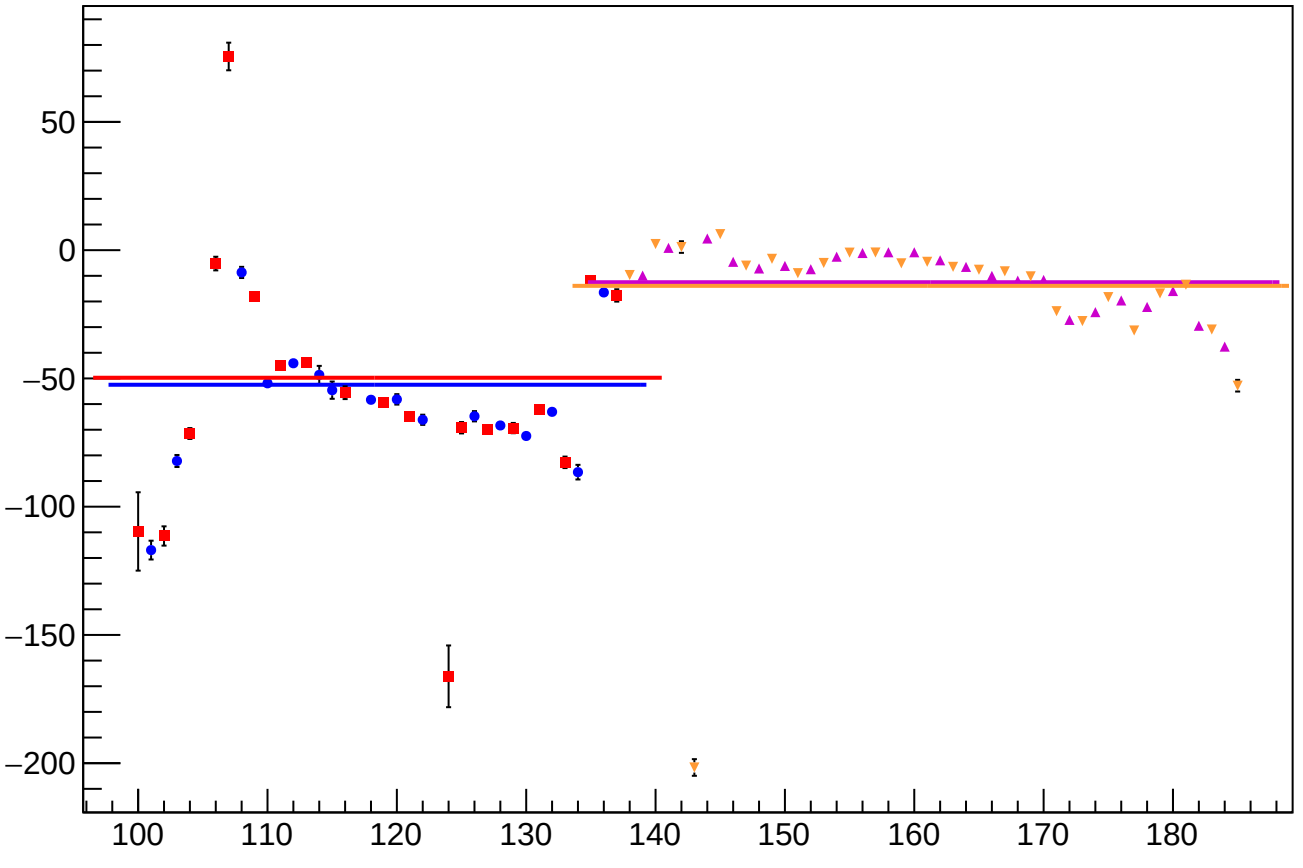
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.740+/-0.186 χ^2/NDF: 587.0/40

All: 1.954+/-0.133 χ^2/NDF: 1020.0/82

- 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: -13.908+/-0.265 χ^2/NDF:5128.3/24

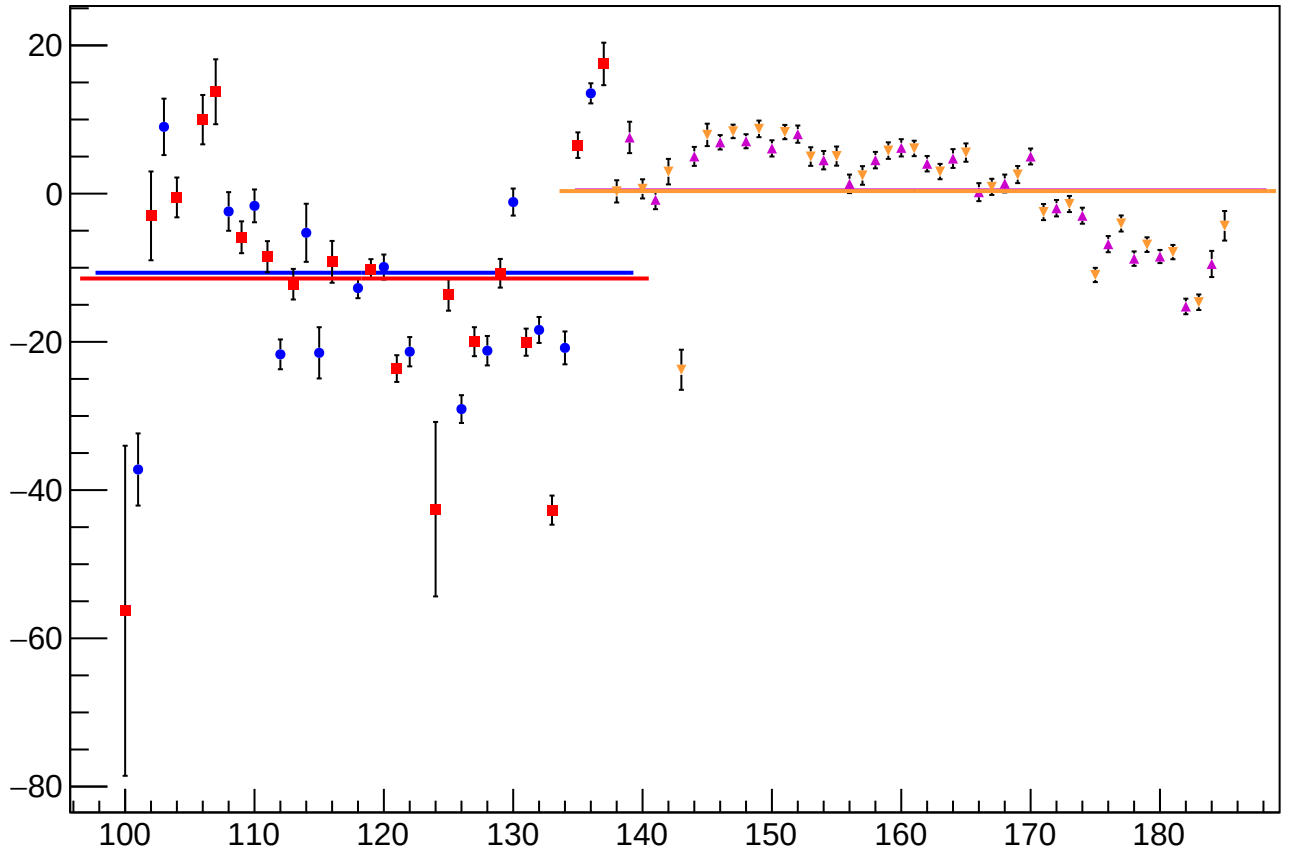
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -22.680+/-0.233 χ^2/NDF: 12285.7/40

All: -21.850+/-0.166 χ^2/NDF: 21136.3/82

- 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: 0.345+/-0.231 χ^2/NDF:921.9/24

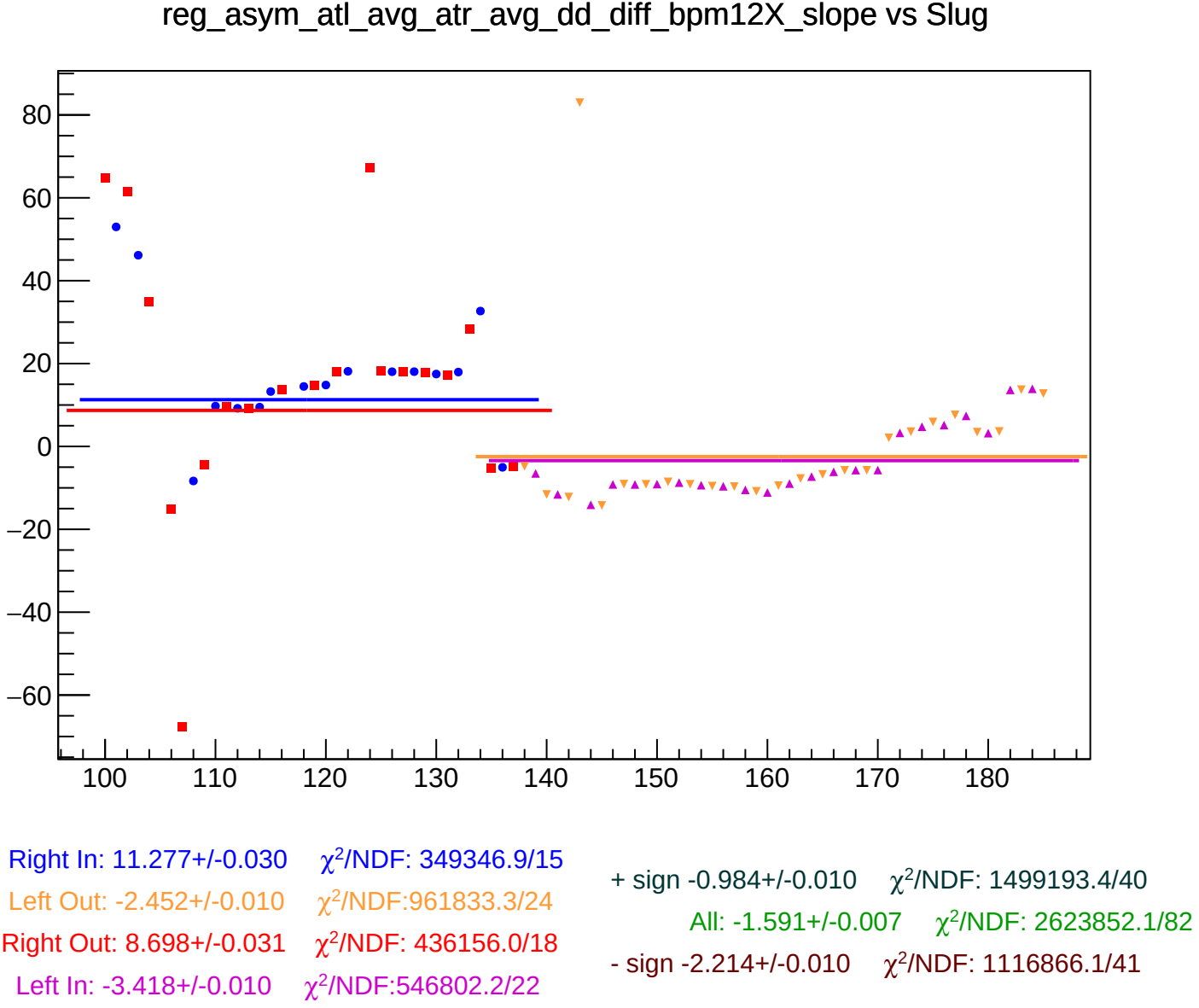
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

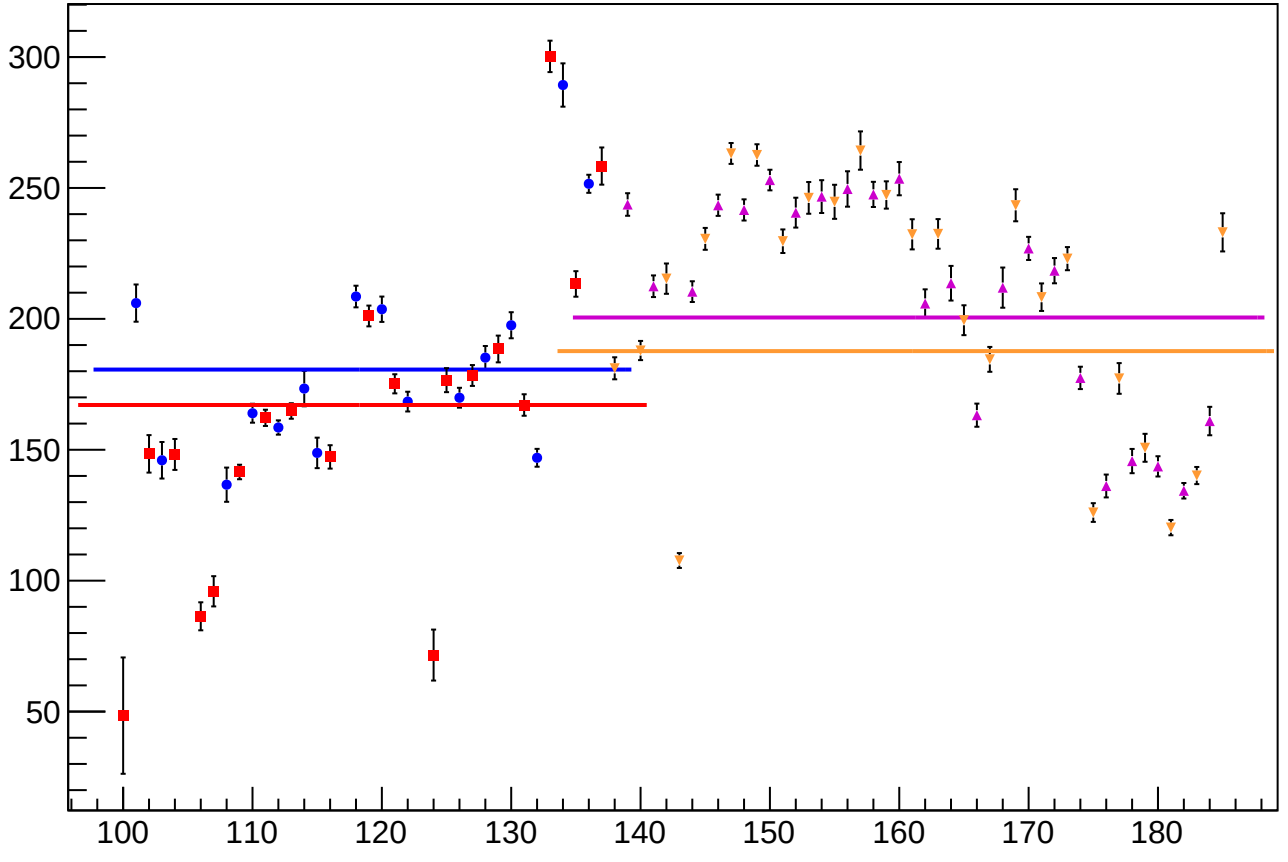
\+ sign -1.564+/-0.210 χ^2/NDF: 1981.3/40

All: -1.597+/-0.150 χ^2/NDF: 3867.2/82

\- sign -1.632+/-0.215 χ^2/NDF: 1885.9/41


reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 11.277+/-0.030 χ²/NDF: 349346.9/15
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 8.698+/-0.031 χ²/NDF: 436156.0/18
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign -0.984+/-0.010 χ²/NDF: 1499193.4/40
All: -1.591+/-0.007 χ²/NDF: 2623852.1/82
- sign -2.214+/-0.010 χ²/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: 187.681+/-0.898 χ^2/NDF:3528.3/24

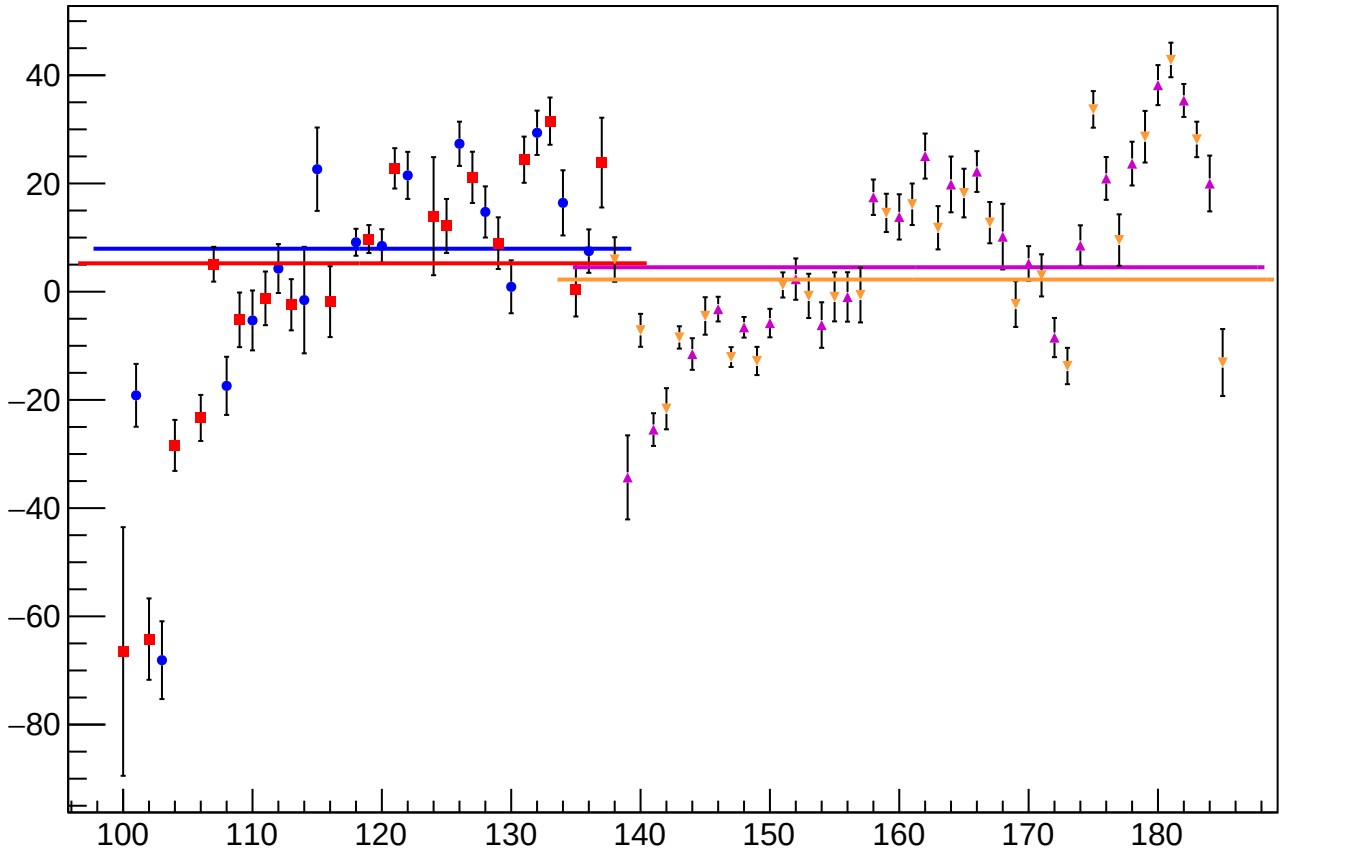
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 184.832+/-0.693 χ^2/NDF: 4546.6/40

All: 184.877+/-0.492 χ^2/NDF: 8714.2/82

- 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: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

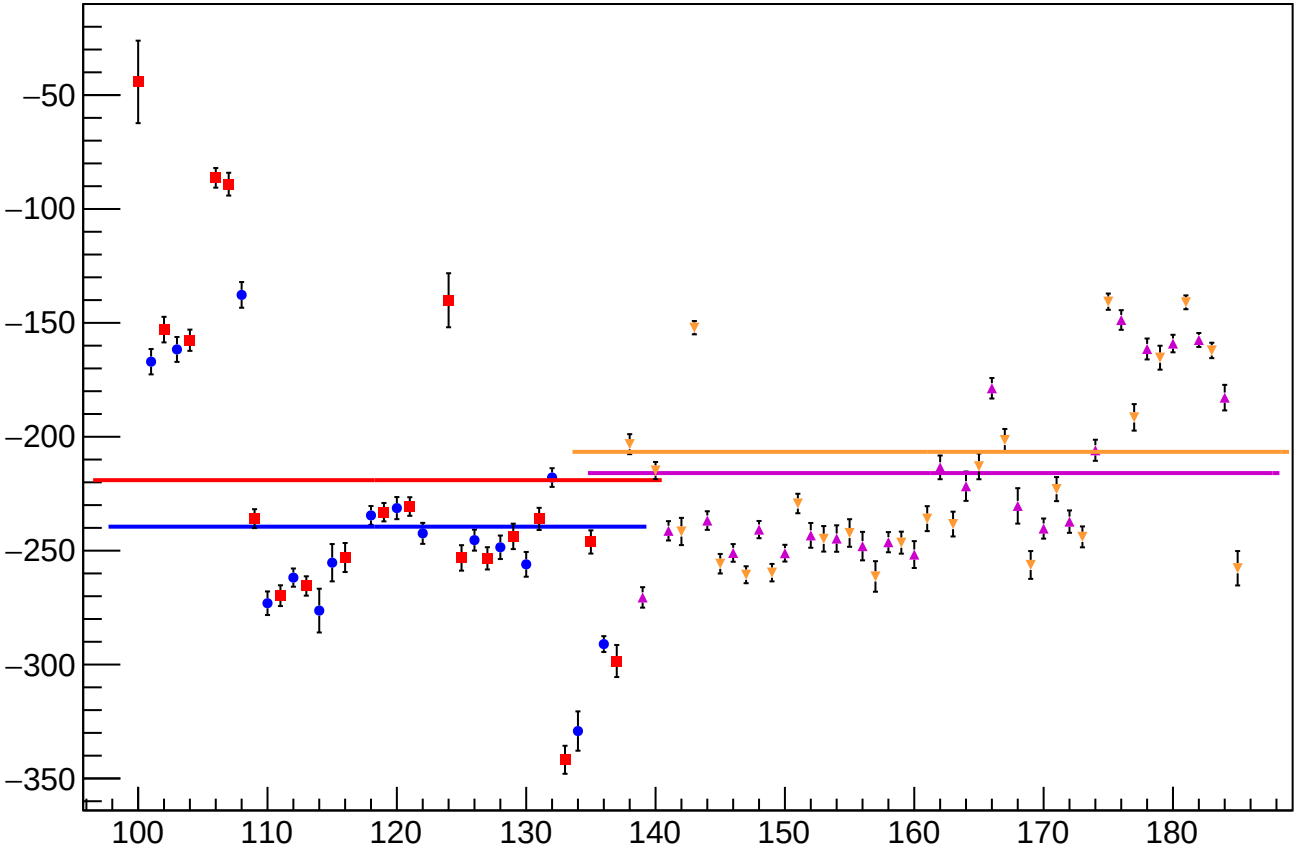
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 3.742+/-0.571 χ^2/NDF: 853.1/40

All: 4.222+/-0.411 χ^2/NDF: 1704.9/82

- sign 4.740+/-0.593 χ^2/NDF: 850.4/41

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

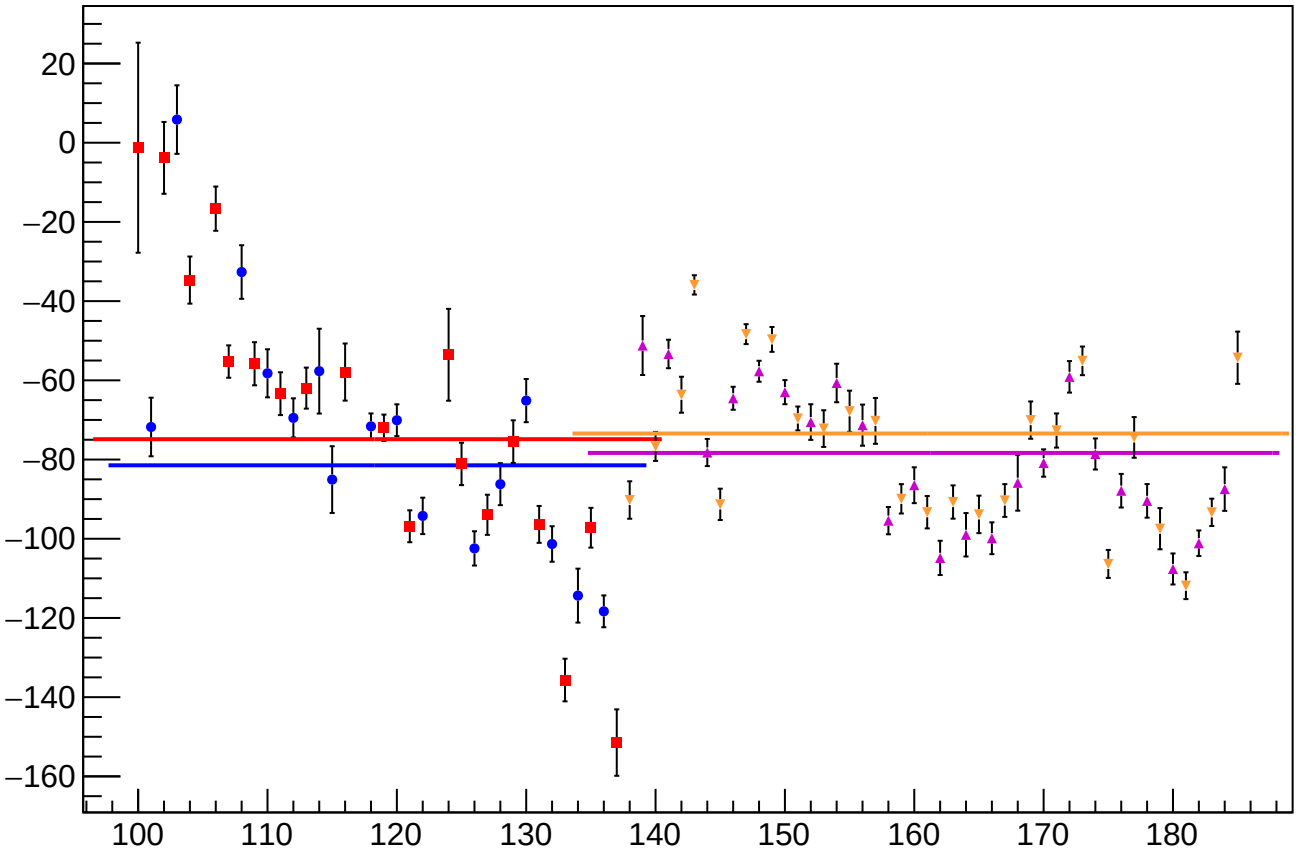
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -217.800+/-0.727 χ^2/NDF: 4088.9/40

All: -217.485+/-0.518 χ^2/NDF: 8854.8/82

- 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: -73.426+/-0.767 χ^2/NDF:836.6/24

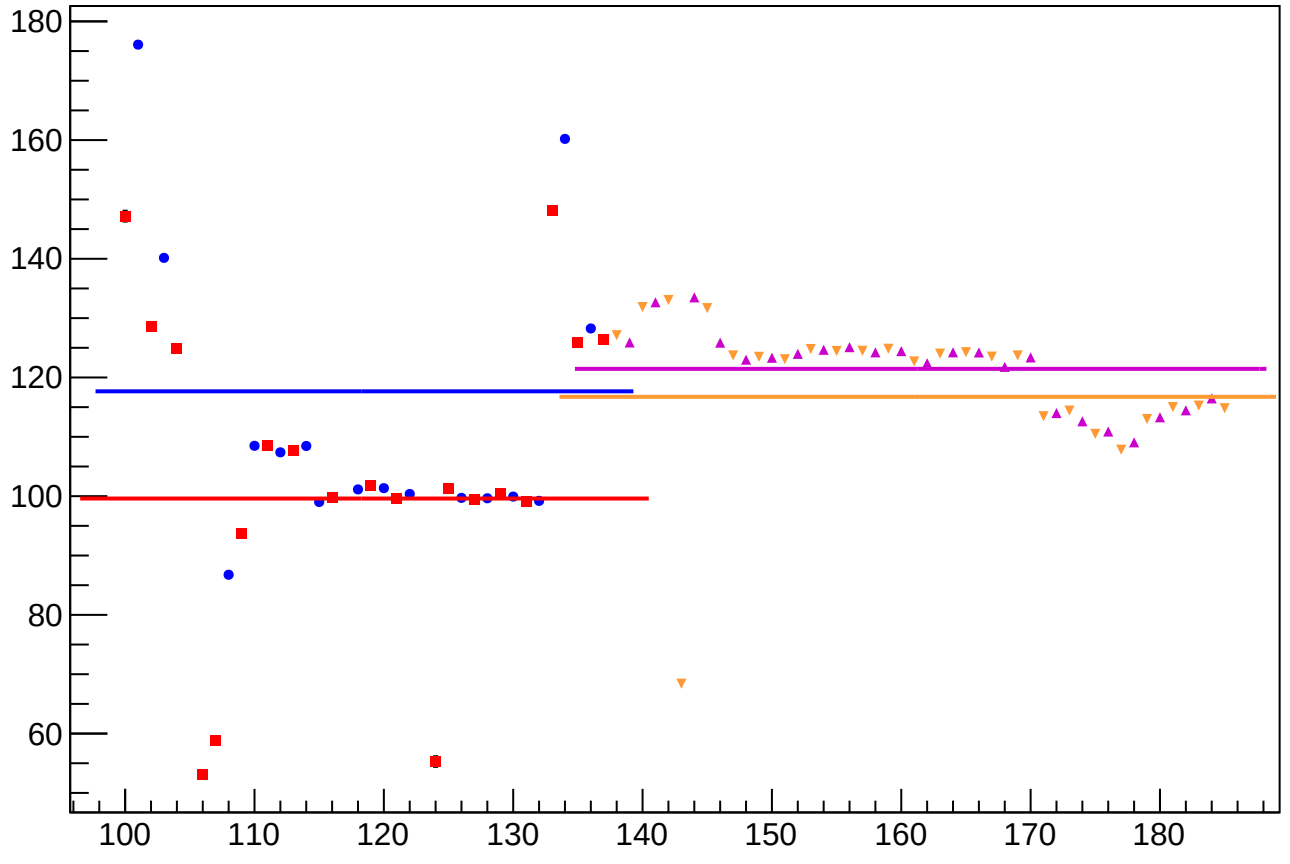
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -75.533+/-0.659 χ^2/NDF: 1231.8/40

All: -76.371+/-0.473 χ^2/NDF: 2260.5/82

- 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: 116.740+/-0.036 χ^2/NDF:203650.9/24

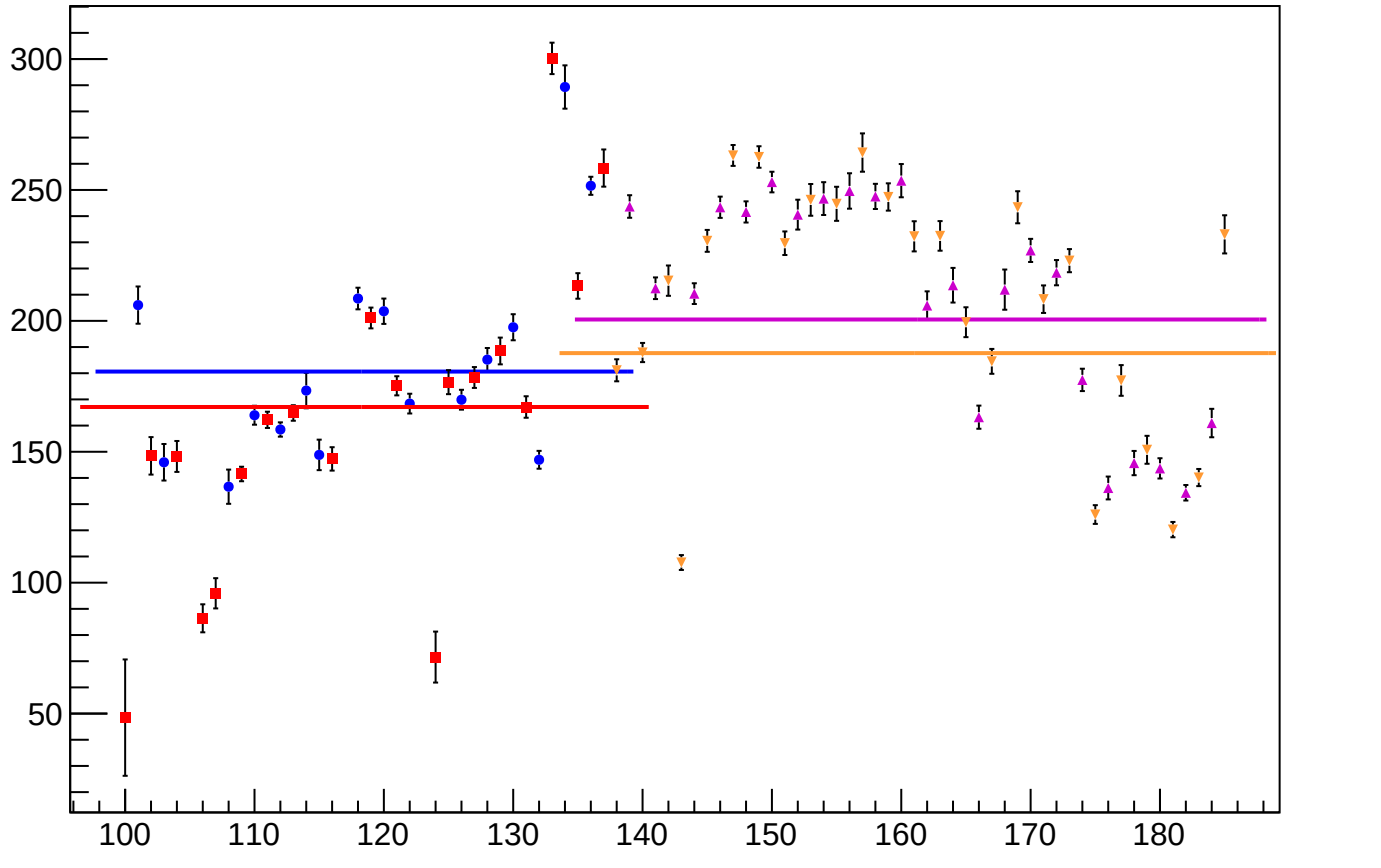
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 116.901+/-0.033 χ^2/NDF: 299163.8/40

All: 116.782+/-0.023 χ^2/NDF: 569633.6/82

\- sign 116.662+/-0.033 χ^2/NDF: 270443.2/41



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

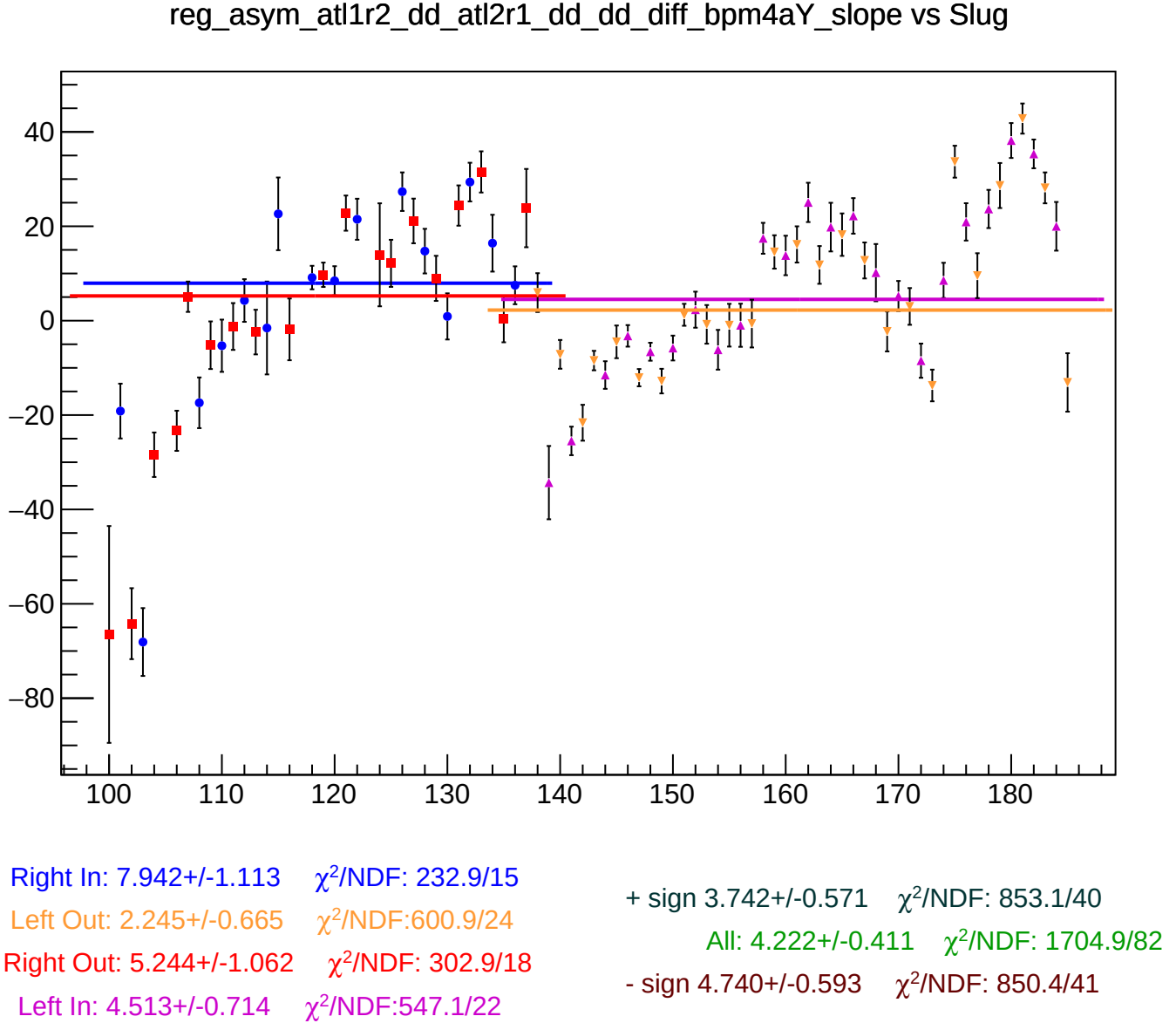
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 184.832+/-0.693 χ^2/NDF: 4546.6/40

All: 184.877+/-0.492 χ^2/NDF: 8714.2/82

- sign 184.923+/-0.697 χ^2/NDF: 4167.5/41


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug
40
20
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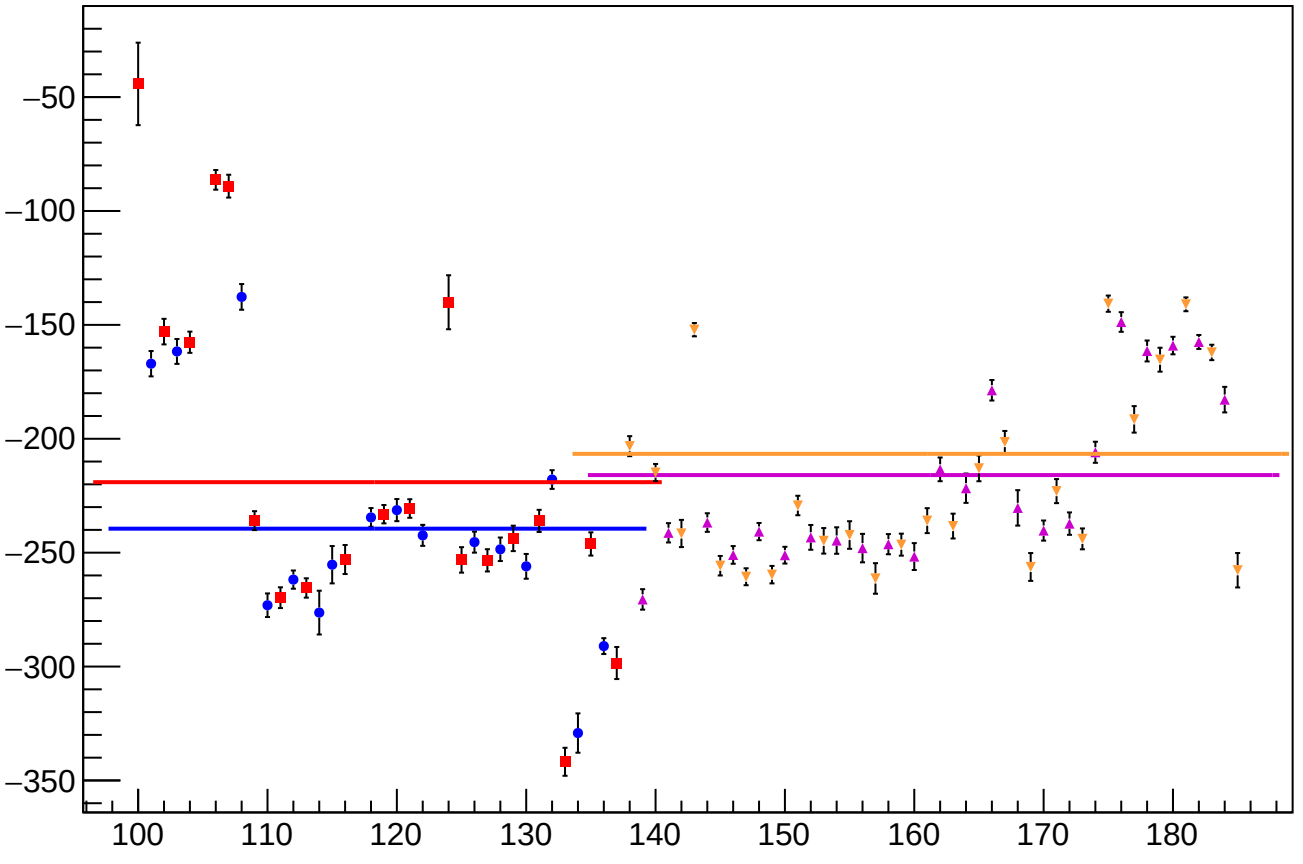
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
+ sign 3.742+/-0.571 χ²/NDF: 853.1/40
All: 4.222+/-0.411 χ²/NDF: 1704.9/82
- sign 4.740+/-0.593 χ²/NDF: 850.4/41



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

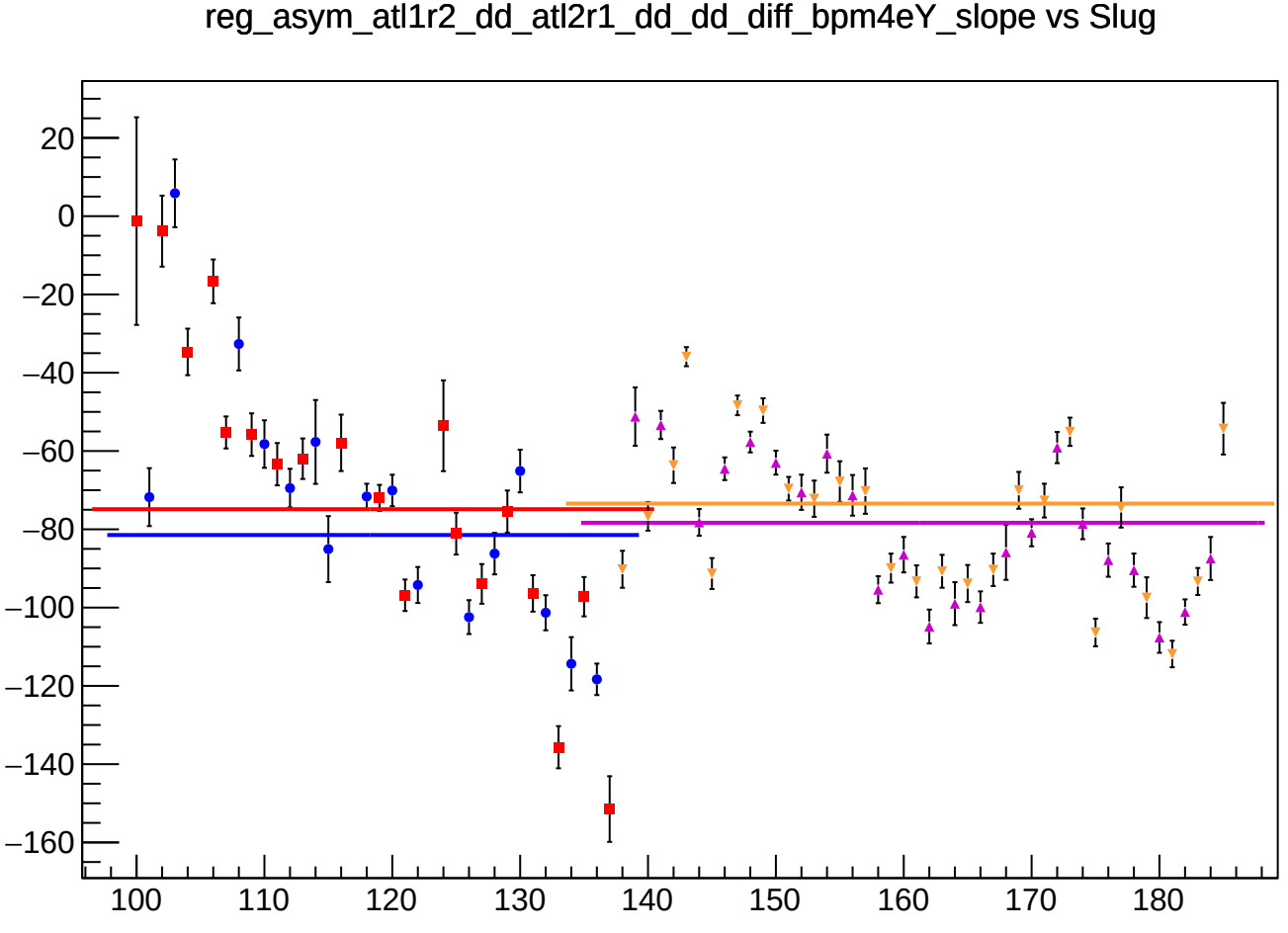
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -217.800+/-0.727 χ^2/NDF: 4088.9/40

All: -217.485+/-0.518 χ^2/NDF: 8854.8/82

- 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: -73.426+/-0.767 χ^2/NDF:836.6/24

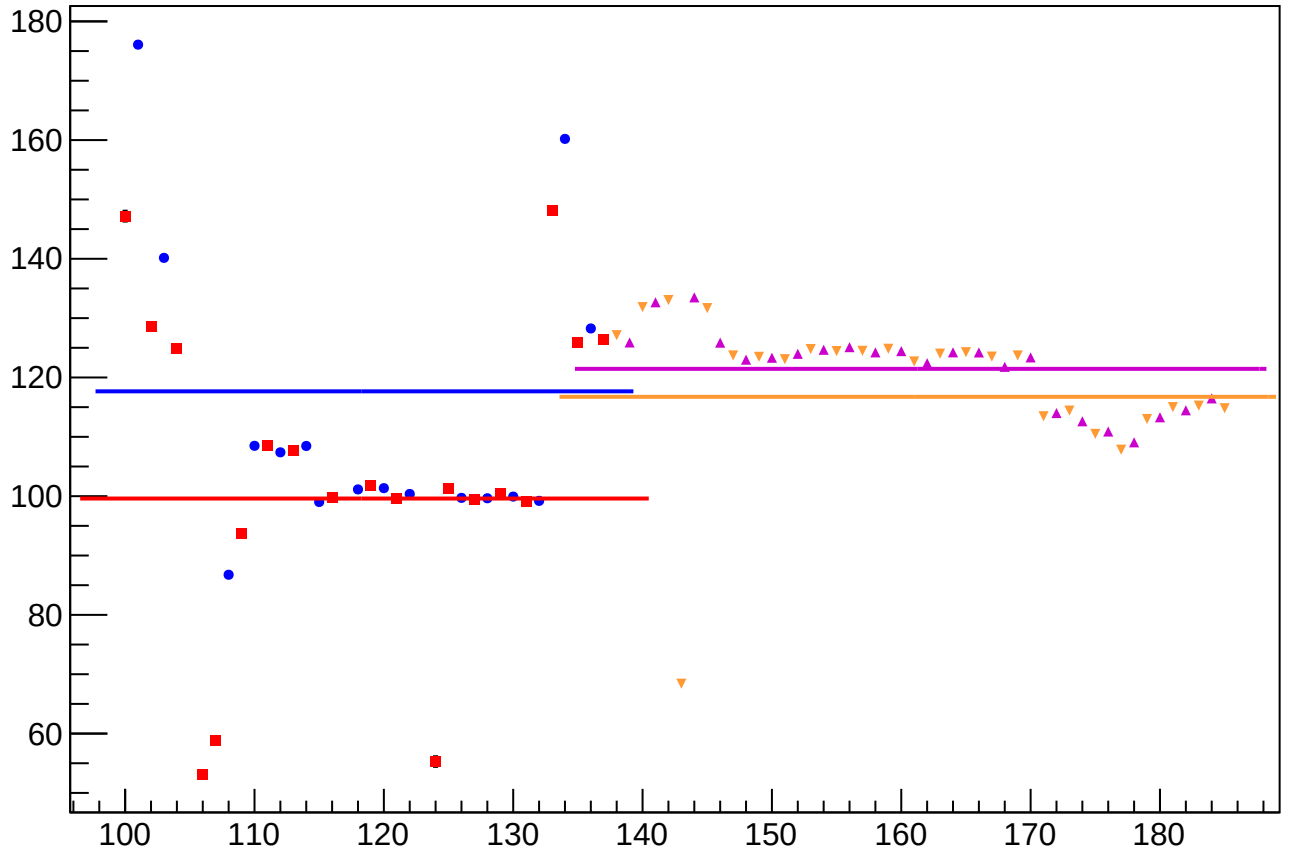
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -75.533+/-0.659 χ^2/NDF: 1231.8/40

All: -76.371+/-0.473 χ^2/NDF: 2260.5/82

- 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: 116.740+/-0.036 χ^2/NDF:203650.9/24

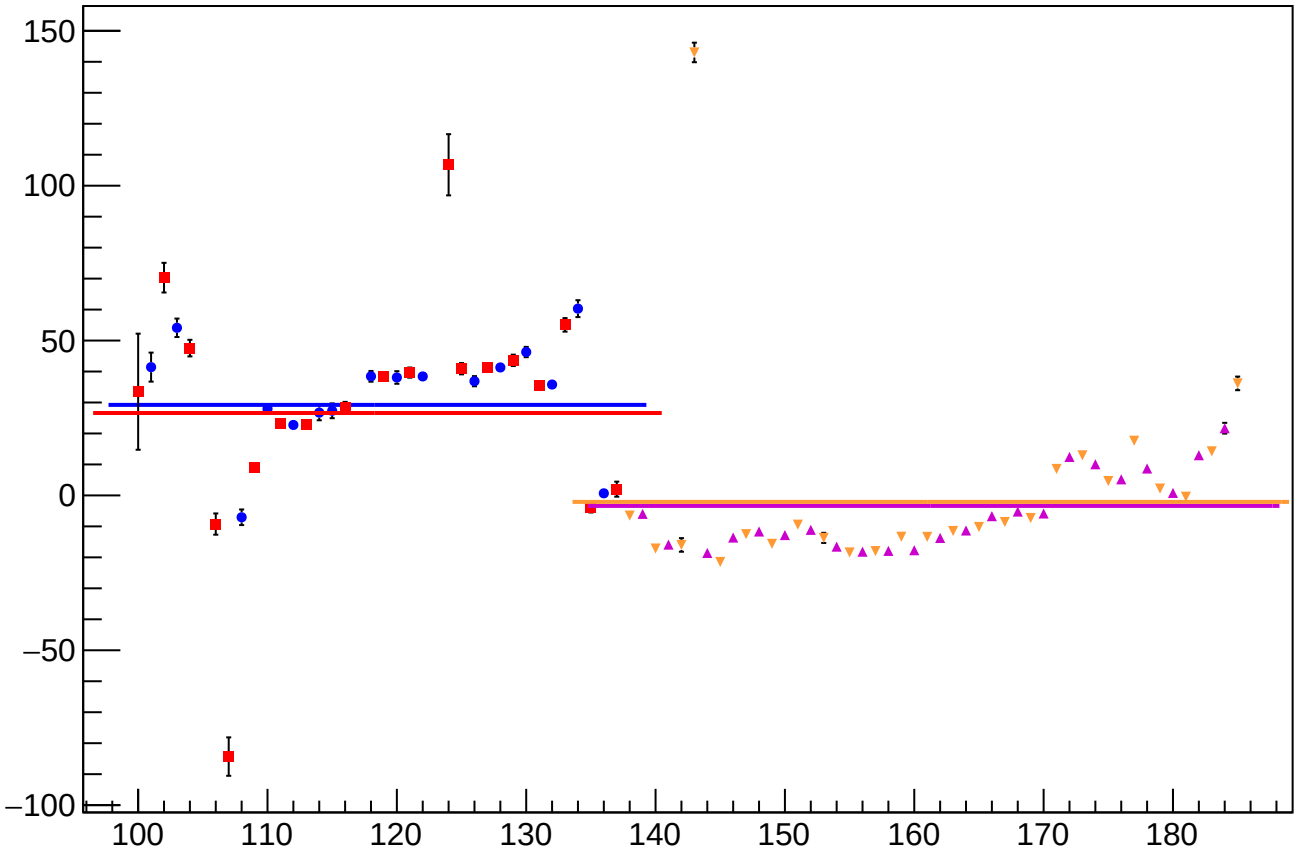
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 116.901+/-0.033 χ^2/NDF: 299163.8/40

All: 116.782+/-0.023 χ^2/NDF: 569633.6/82

\- 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: -2.091+/-0.267 χ^2/NDF:4201.3/24

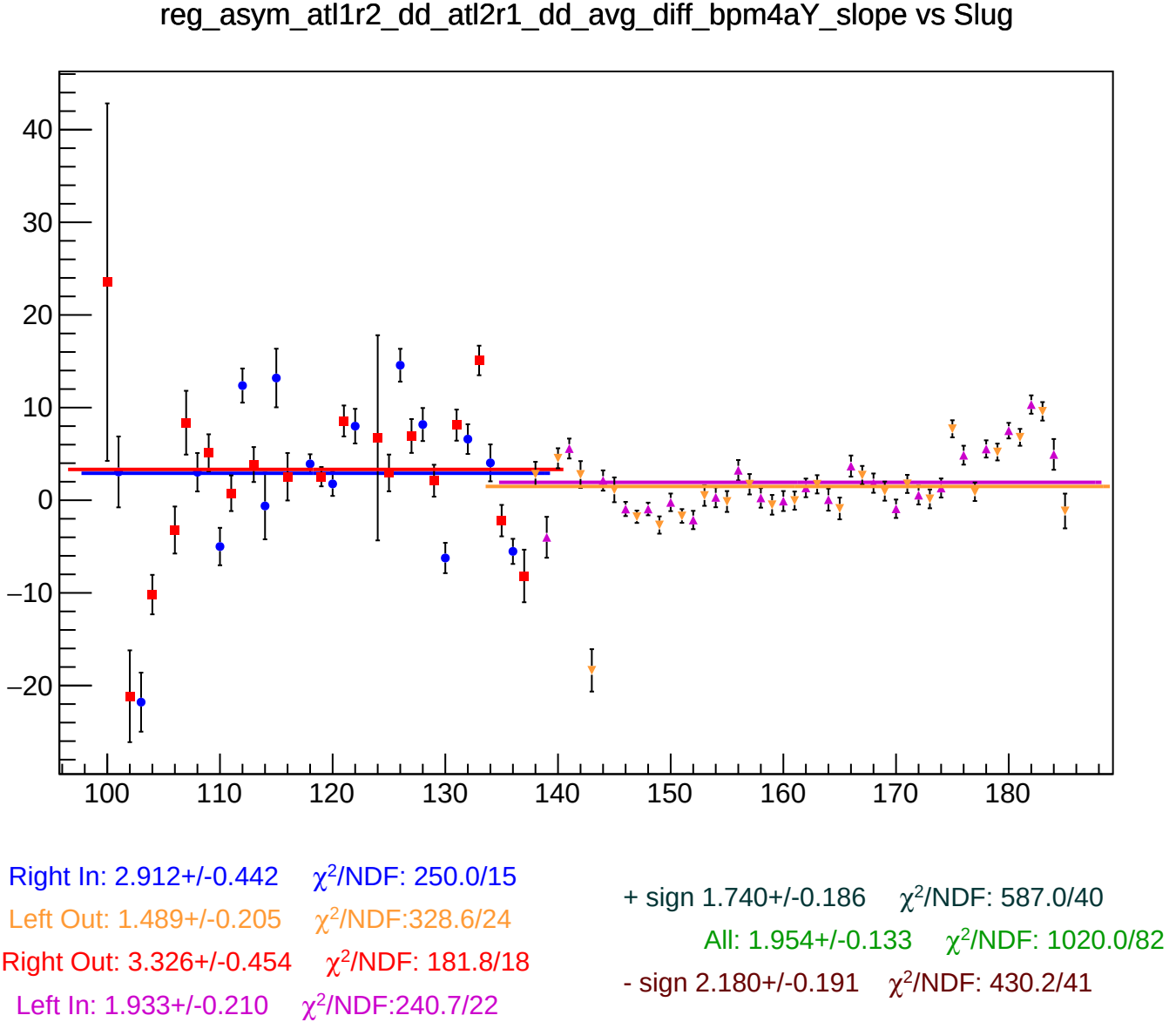
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

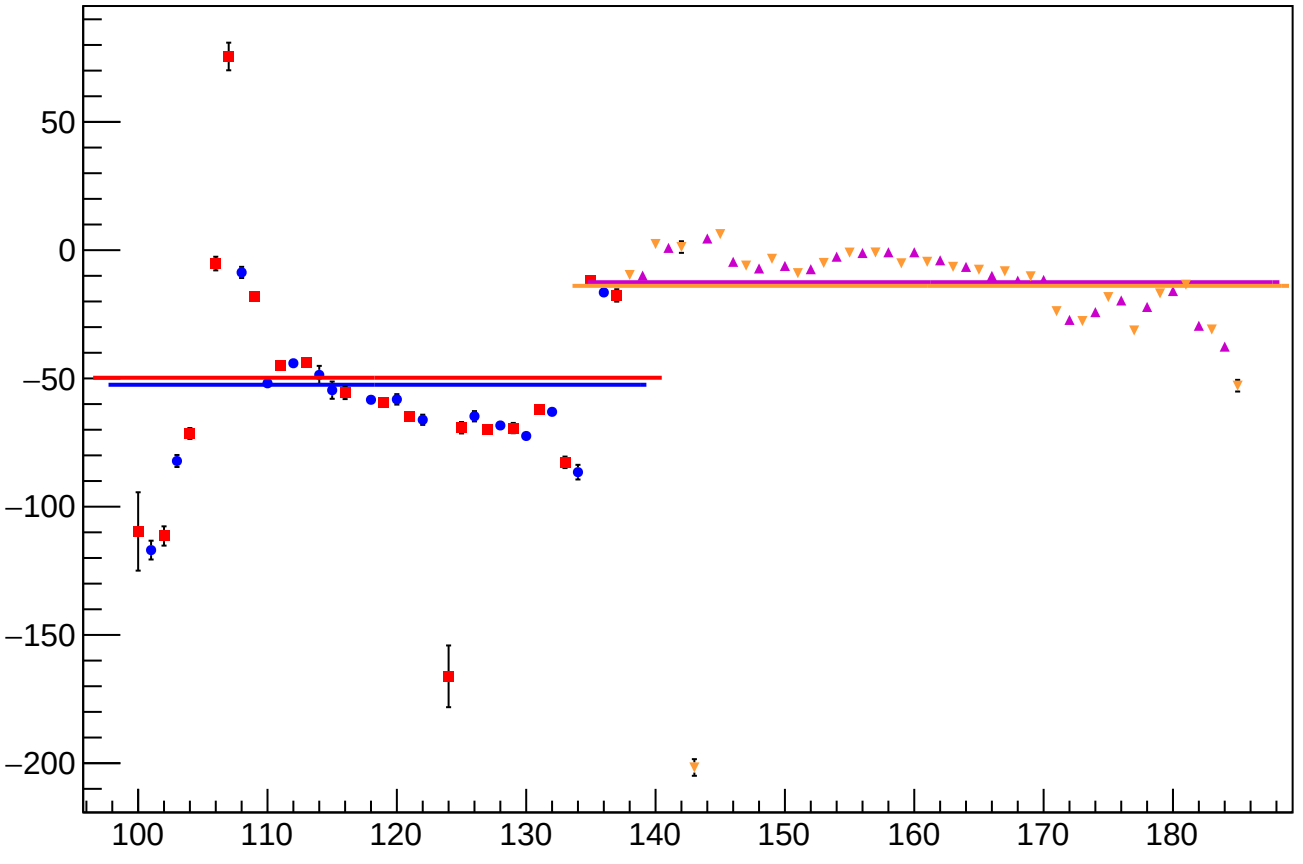
Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 6.783+/-0.226 χ^2/NDF: 9449.6/40

All: 6.204+/-0.160 χ^2/NDF: 16808.8/82

- 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
20
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: 1.489+/-0.205 χ²/NDF:328.6/24
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 1.933+/-0.210 χ²/NDF:240.7/22
+ sign 1.740+/-0.186 χ²/NDF: 587.0/40
All: 1.954+/-0.133 χ²/NDF: 1020.0/82
- sign 2.180+/-0.191 χ²/NDF: 430.2/41



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

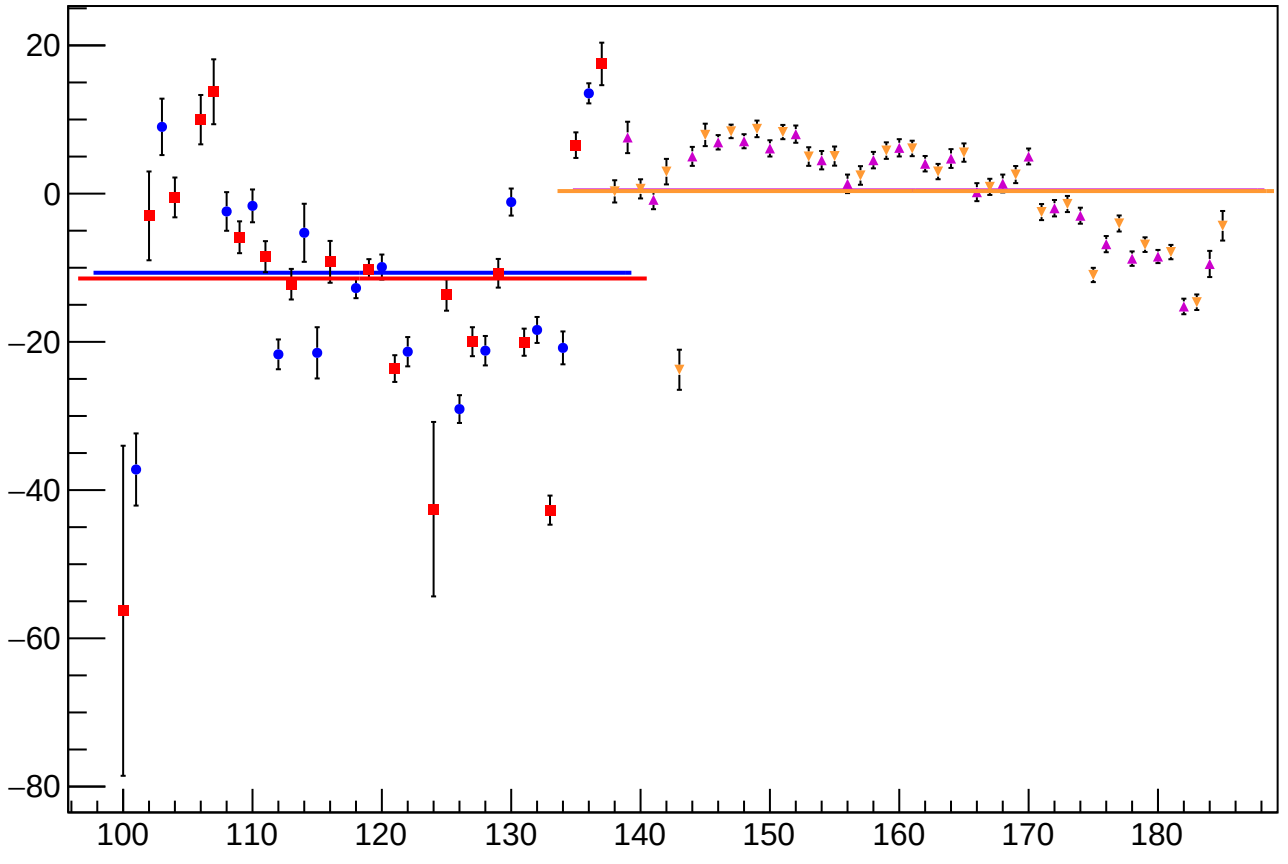
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -22.680+/-0.233 χ^2/NDF: 12285.7/40

All: -21.850+/-0.166 χ^2/NDF: 21136.3/82

- 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: 0.345+/-0.231 χ^2/NDF:921.9/24

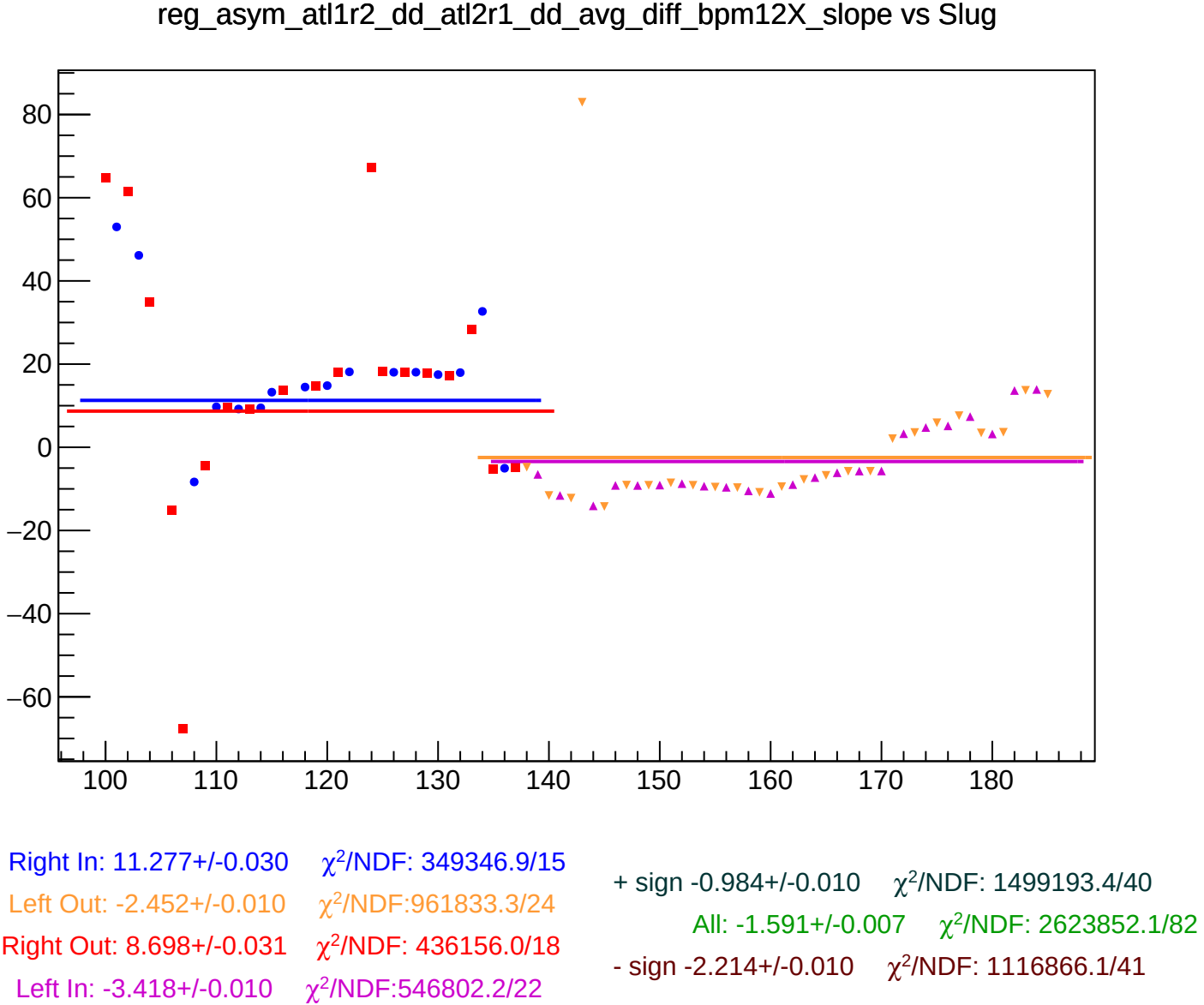
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.564+/-0.210 χ^2/NDF: 1981.3/40

All: -1.597+/-0.150 χ^2/NDF: 3867.2/82

\- 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: -2.452+/-0.010 χ^2/NDF:961833.3/24

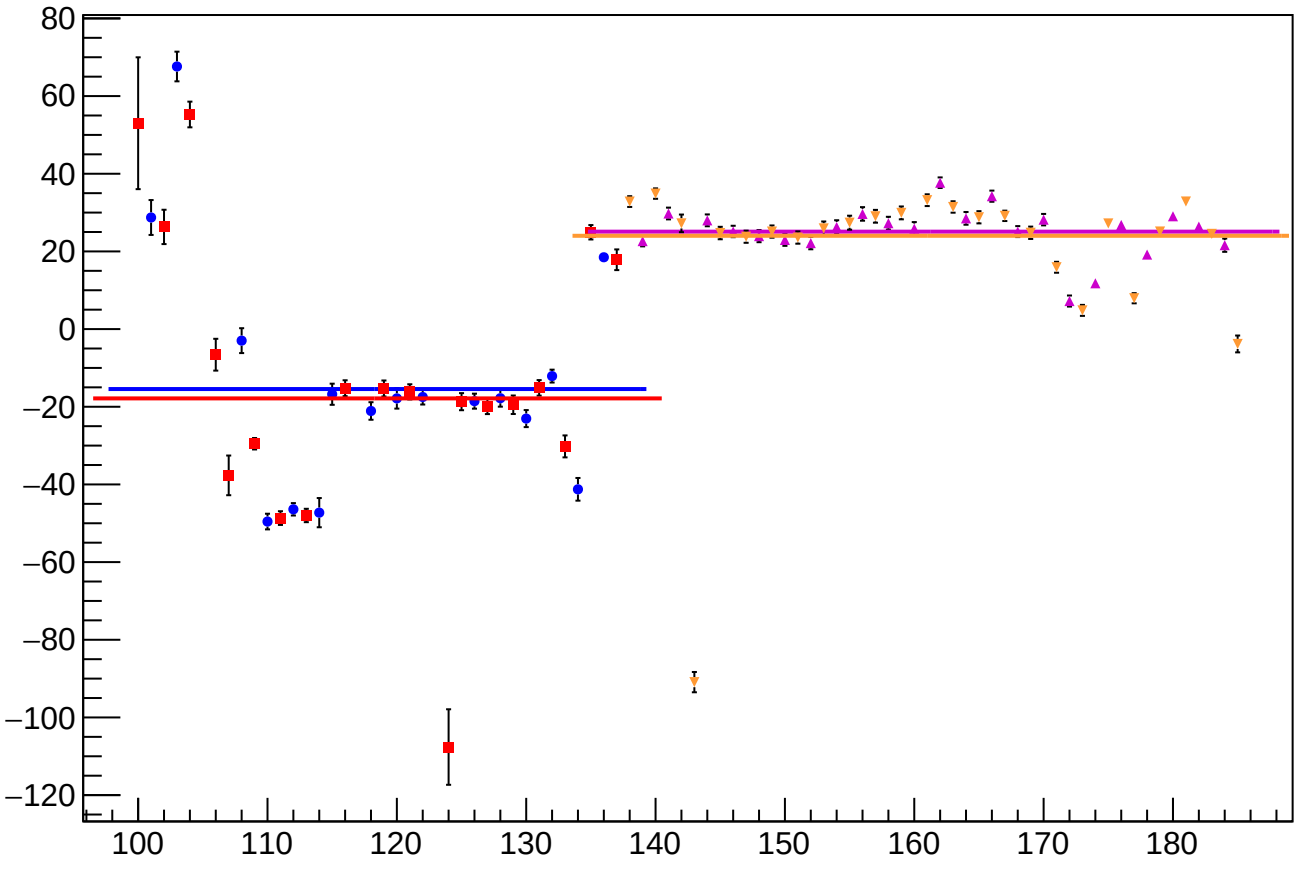
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.984+/-0.010 χ^2/NDF: 1499193.4/40

All: -1.591+/-0.007 χ^2/NDF: 2623852.1/82

- 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: 24.025+/-0.282 χ^2/NDF:2802.2/24

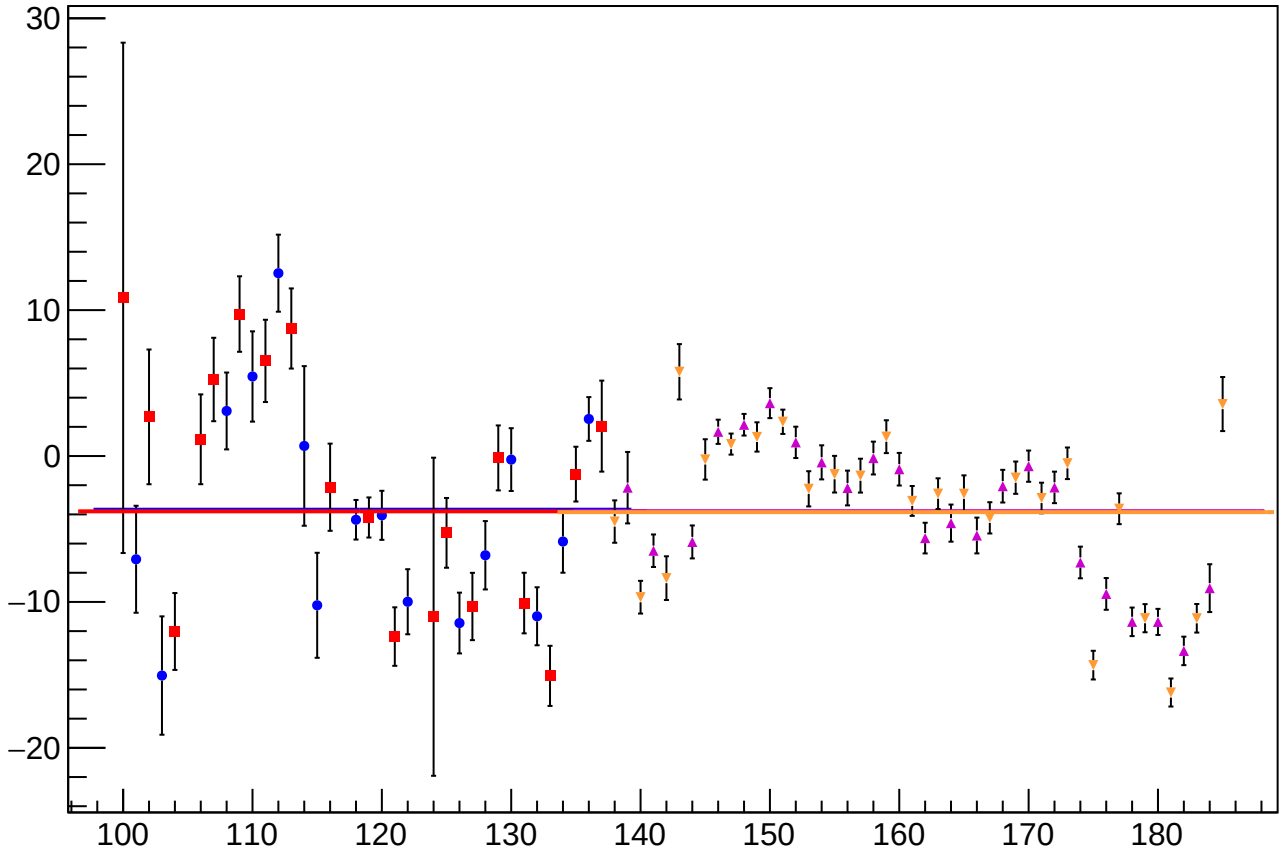
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.545+/-0.250 χ^2/NDF: 9134.2/40

All: 15.439+/-0.178 χ^2/NDF: 16833.8/82

- 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: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

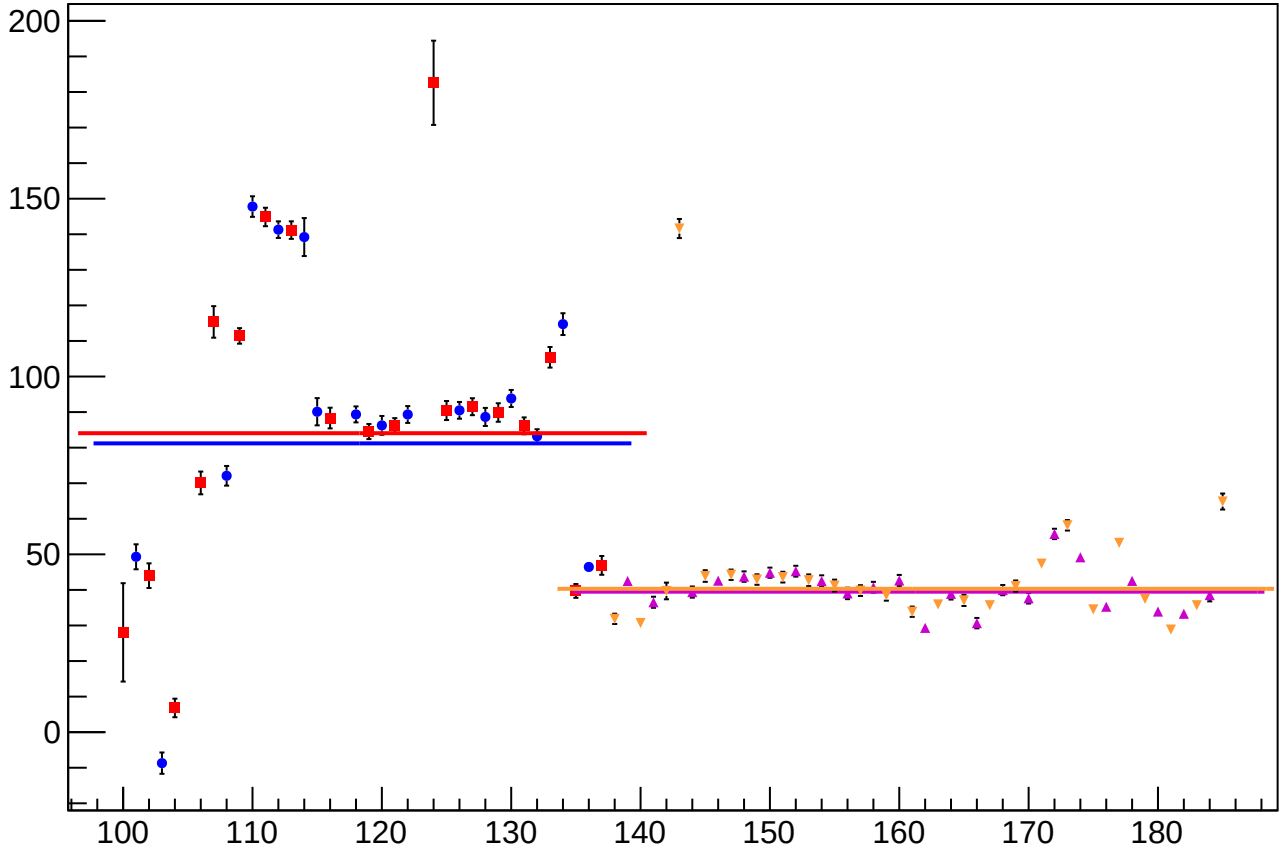
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.823+/-0.203 χ^2/NDF: 773.4/40

All: -3.803+/-0.145 χ^2/NDF: 1444.5/82

- 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: 40.315+/-0.280 χ^2/NDF:2182.8/24

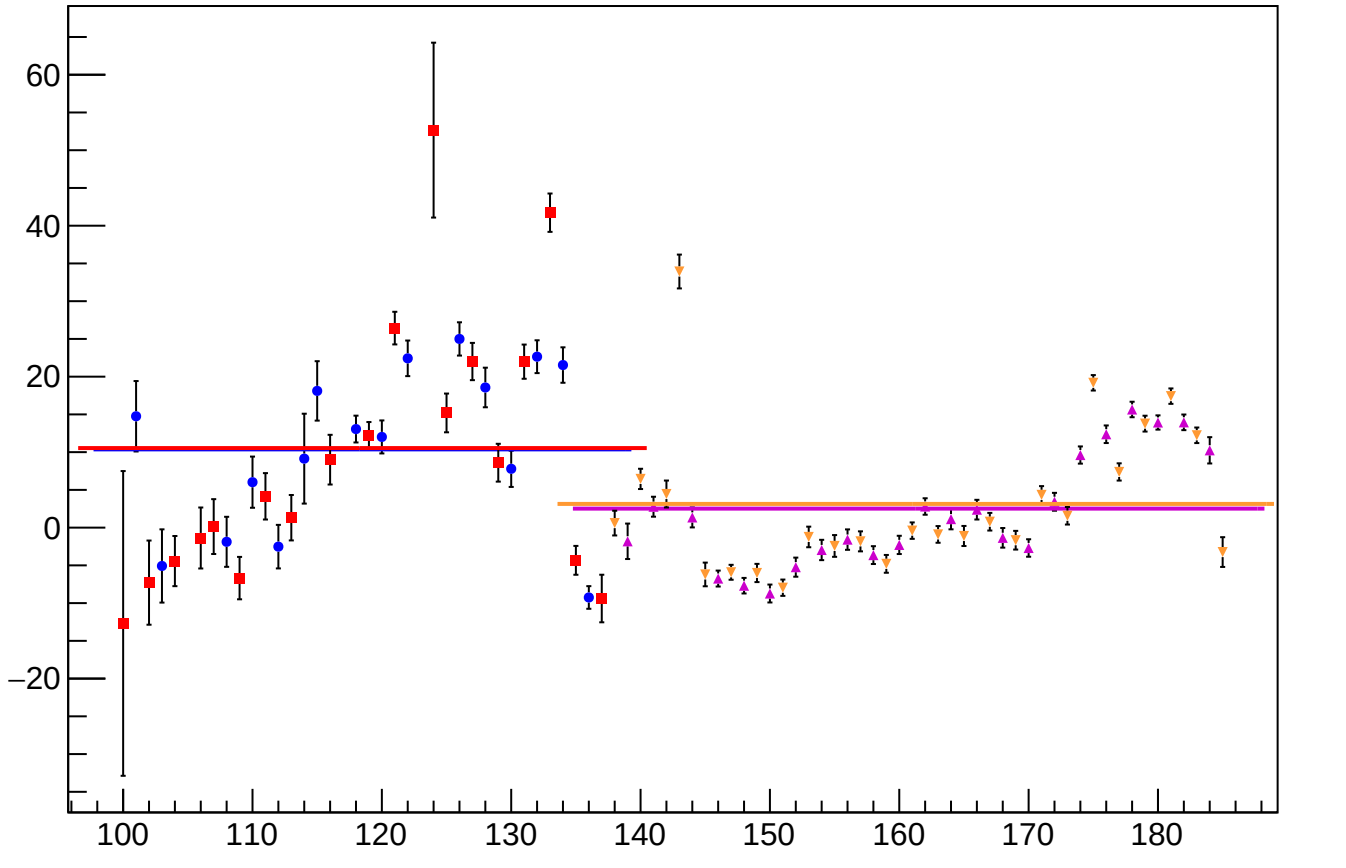
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

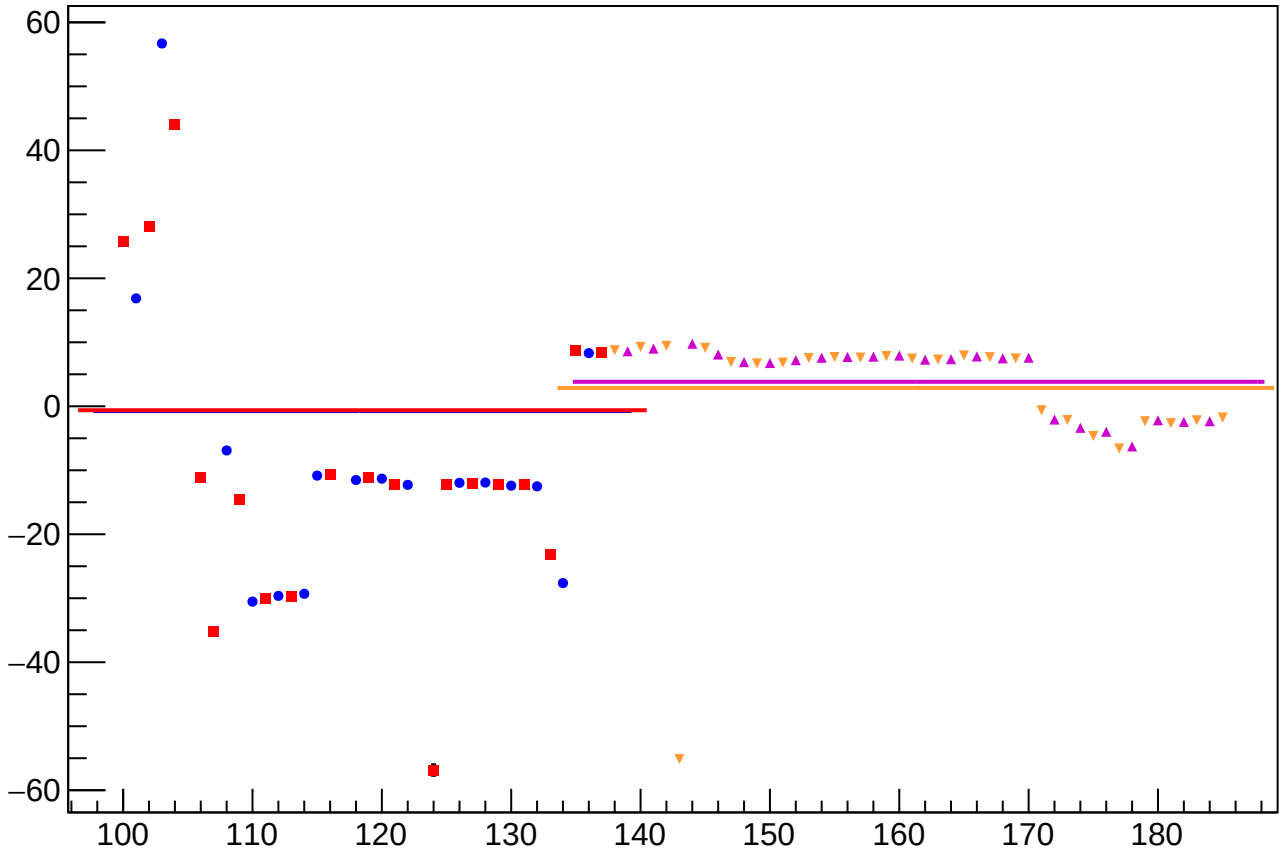
Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 47.494+/-0.254 χ^2/NDF: 9153.4/40

All: 47.420+/-0.181 χ^2/NDF: 17100.8/82

- sign 47.342+/-0.258 χ^2/NDF: 7947.2/41


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
+ sign 4.103+/-0.229 χ²/NDF: 1742.1/40
All: 3.851+/-0.163 χ²/NDF: 3319.5/82
- sign 3.587+/-0.234 χ²/NDF: 1574.9/41



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

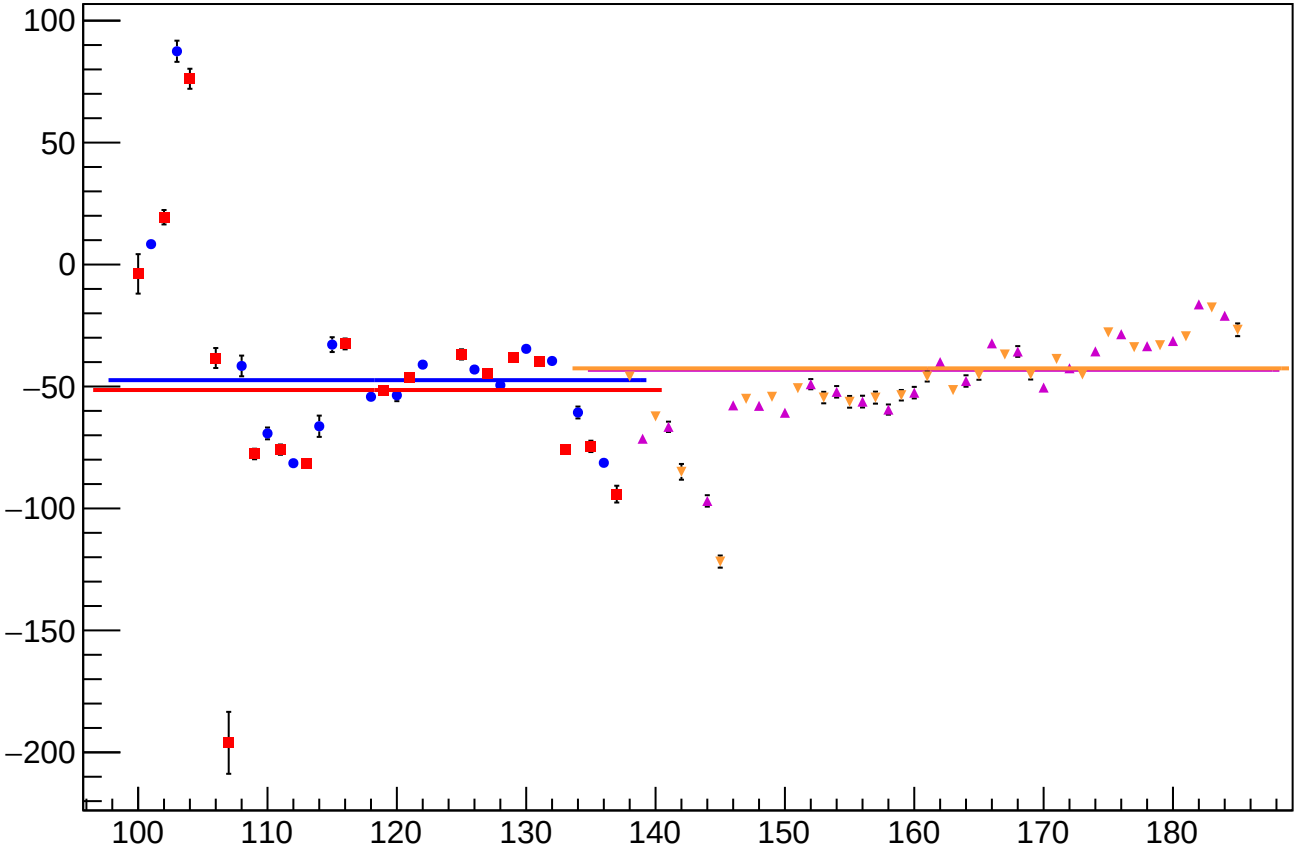
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.560+/-0.011 χ^2/NDF: 889606.3/40

All: 3.006+/-0.007 χ^2/NDF: 1455992.4/82

- 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: -42.560+/-0.378 χ^2/NDF:2326.4/23

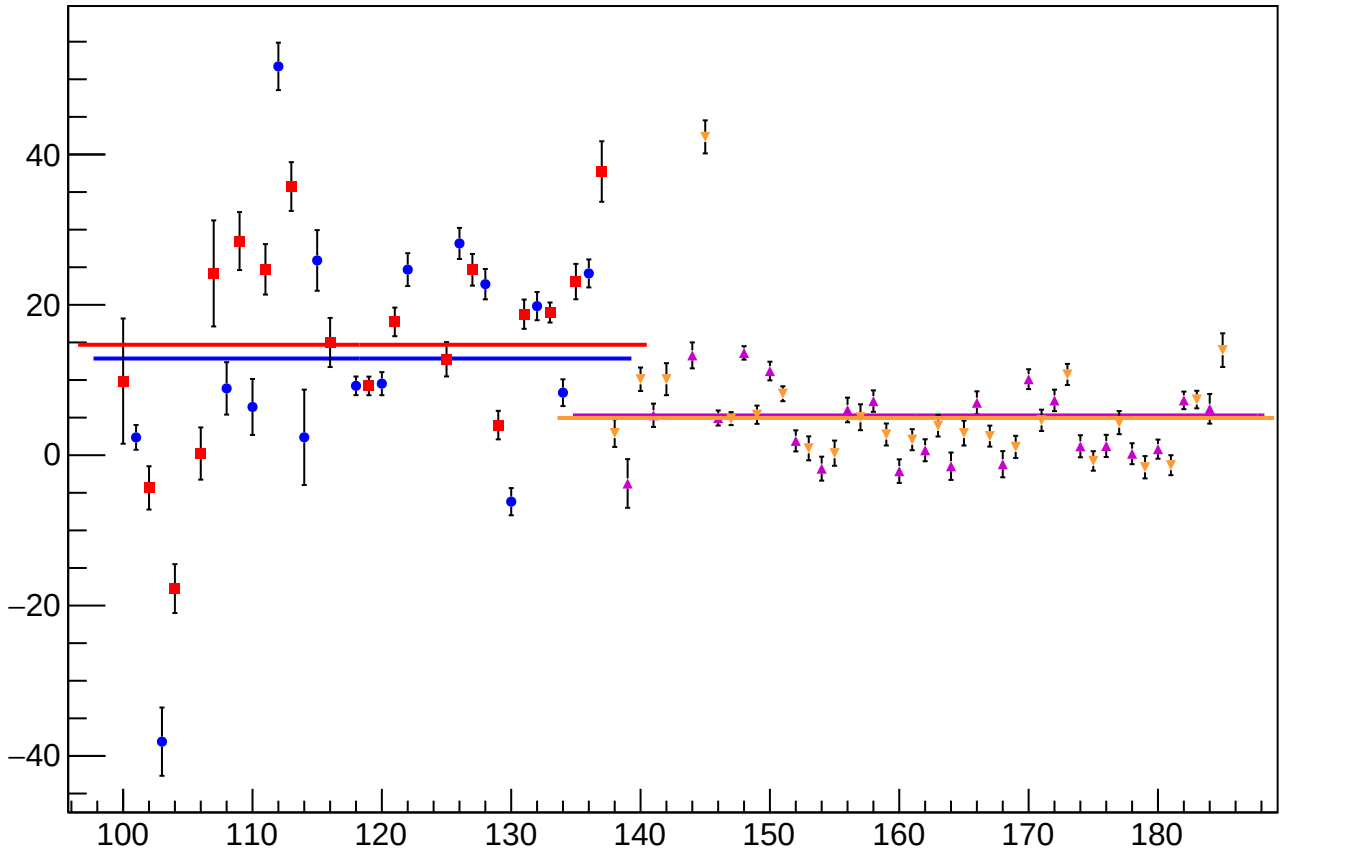
Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -44.173+/-0.309 χ^2/NDF: 5150.0/39

All: -45.015+/-0.220 χ^2/NDF: 10399.6/80

\- sign -45.877+/-0.313 χ^2/NDF: 5234.6/40



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

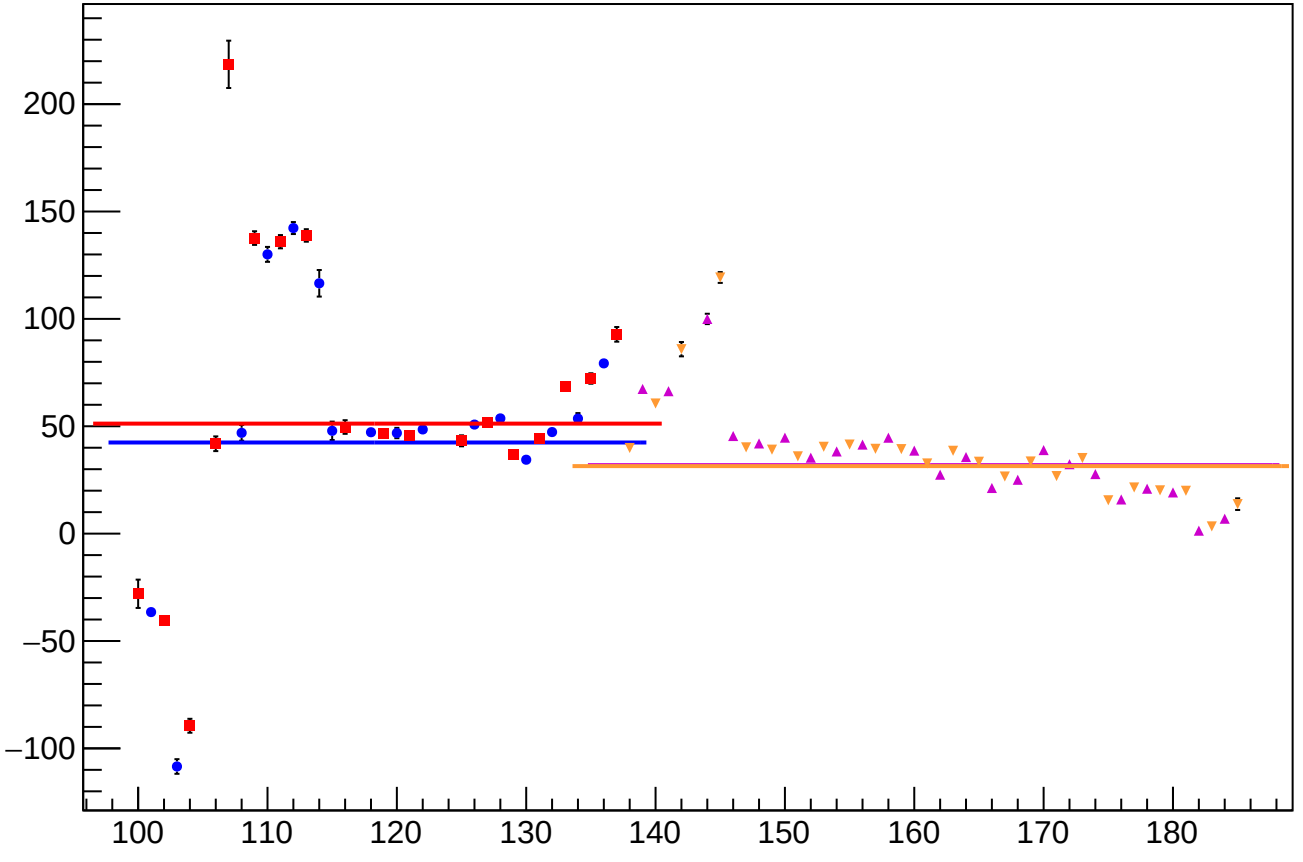
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.822+/-0.252 χ^2/NDF: 1252.0/39

All: 7.112+/-0.181 χ^2/NDF: 2136.0/80

- 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: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

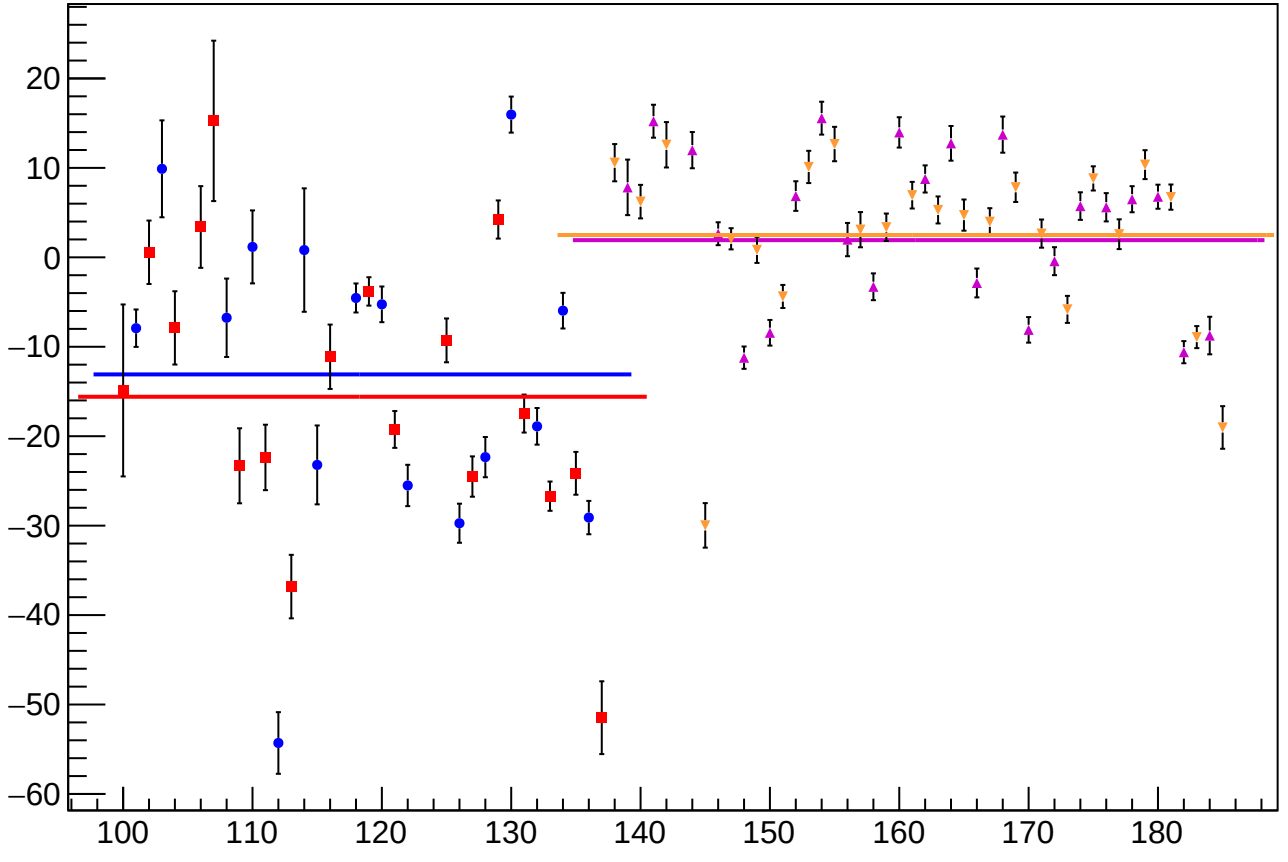
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 34.653+/-0.316 χ^2/NDF: 10181.6/39

All: 35.903+/-0.226 χ^2/NDF: 20309.4/80

\- 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: 2.494+/-0.327 χ^2/NDF:558.7/23

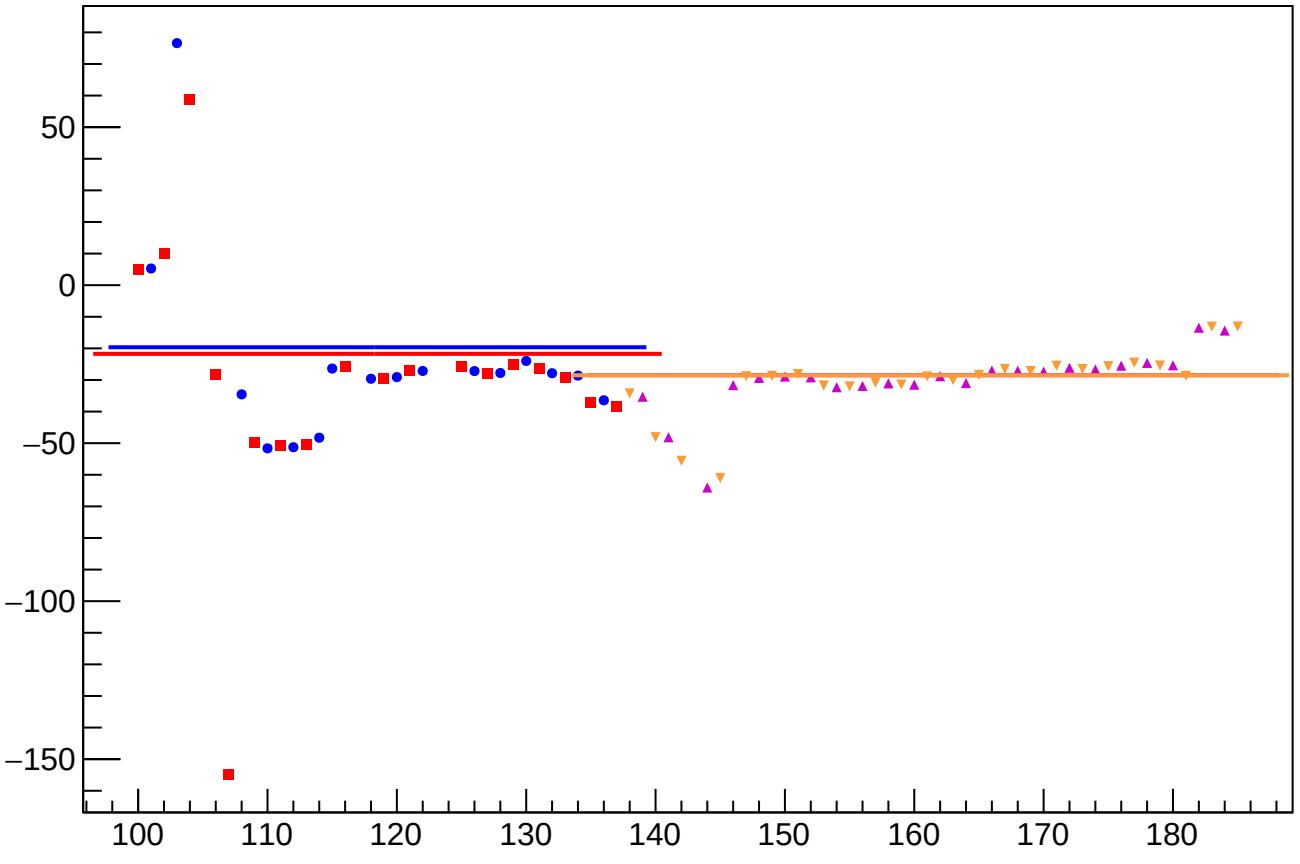
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -1.073+/-0.287 χ^2/NDF: 1719.3/39

All: -1.484+/-0.205 χ^2/NDF: 3413.6/80

\- 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: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

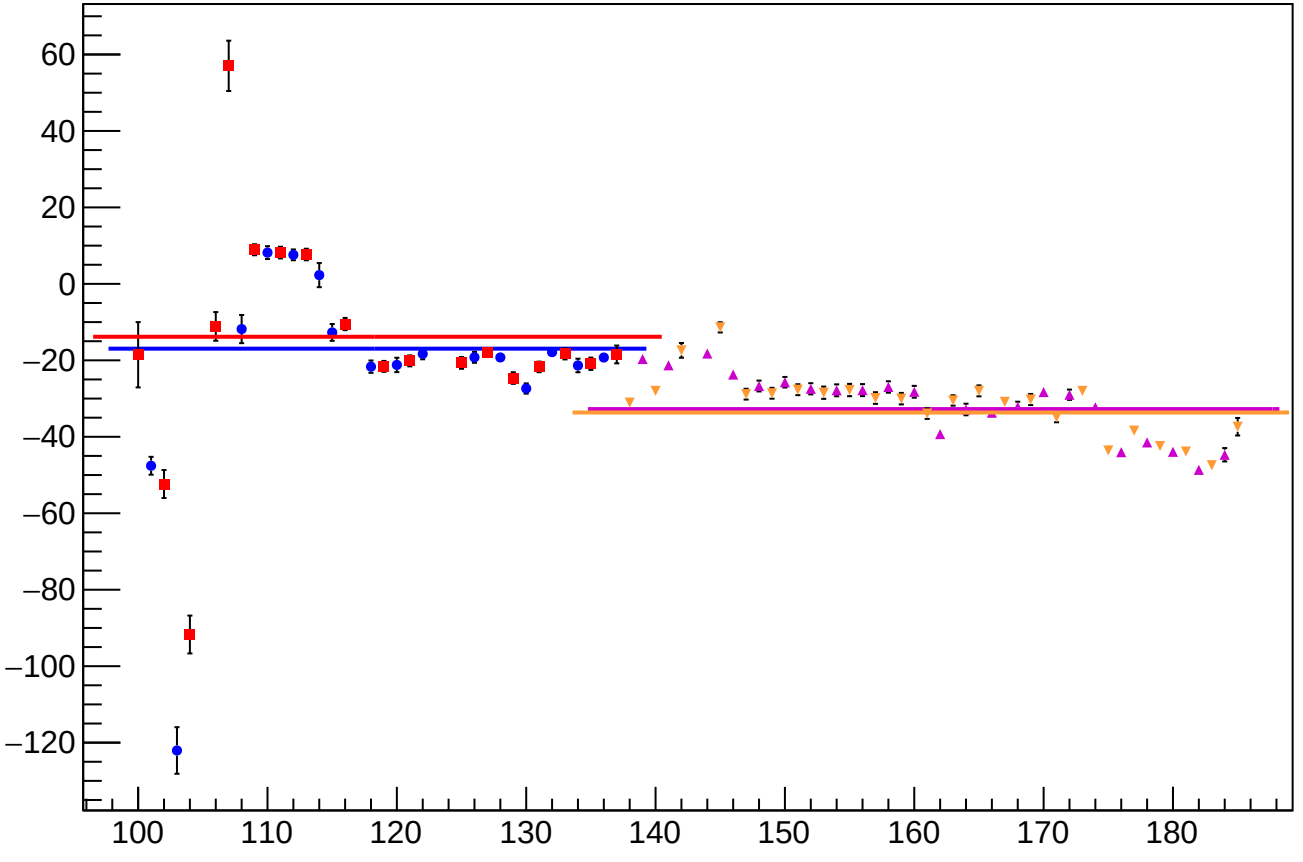
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -27.243+/-0.014 χ^2/NDF: 1032380.9/39

All: -27.438+/-0.010 χ^2/NDF: 1893644.5/80

- 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: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

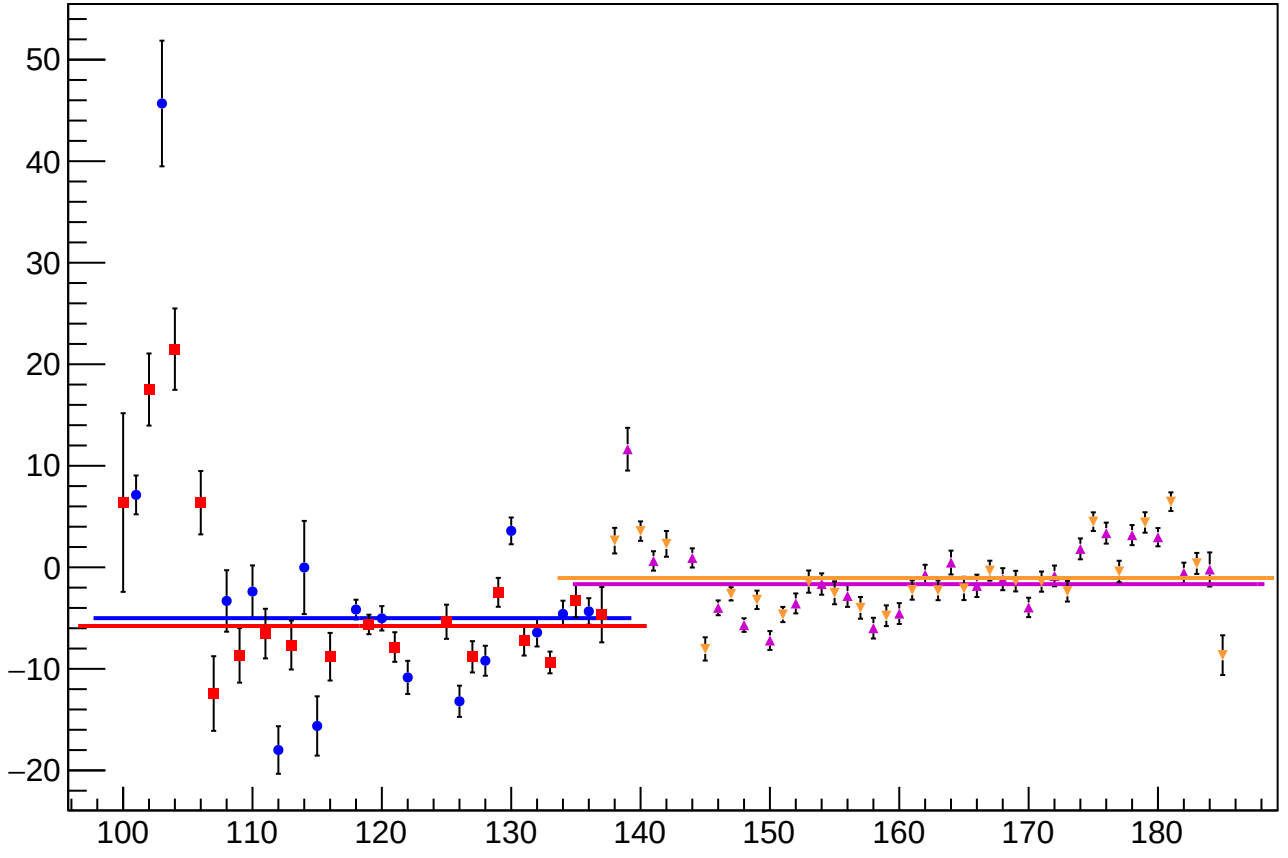
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.615+/-0.222 χ^2/NDF: 3338.2/39

All: -27.846+/-0.158 χ^2/NDF: 7332.3/80

- 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: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

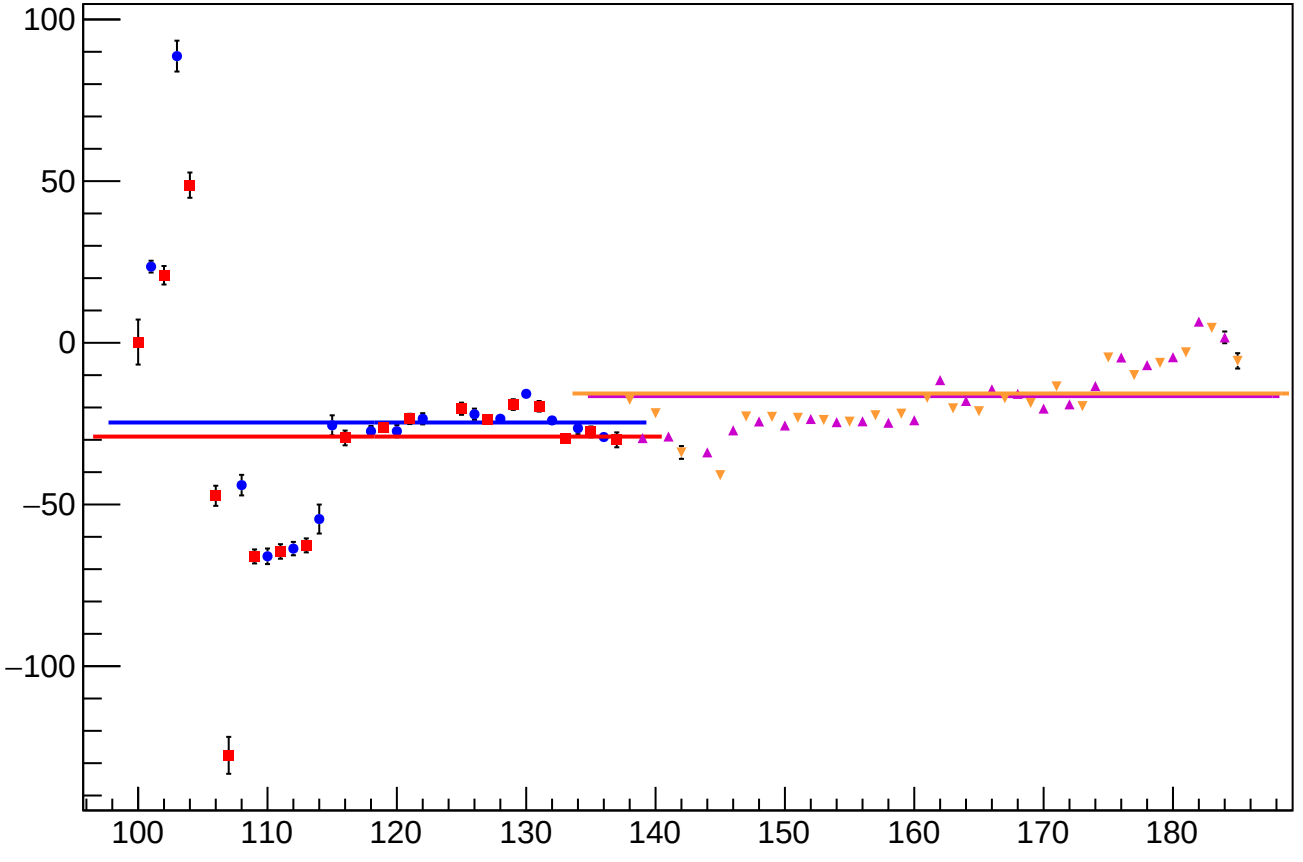
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.855+/-0.181 χ^2/NDF: 614.5/39

All: -2.152+/-0.130 χ^2/NDF: 1101.4/80

- 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: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

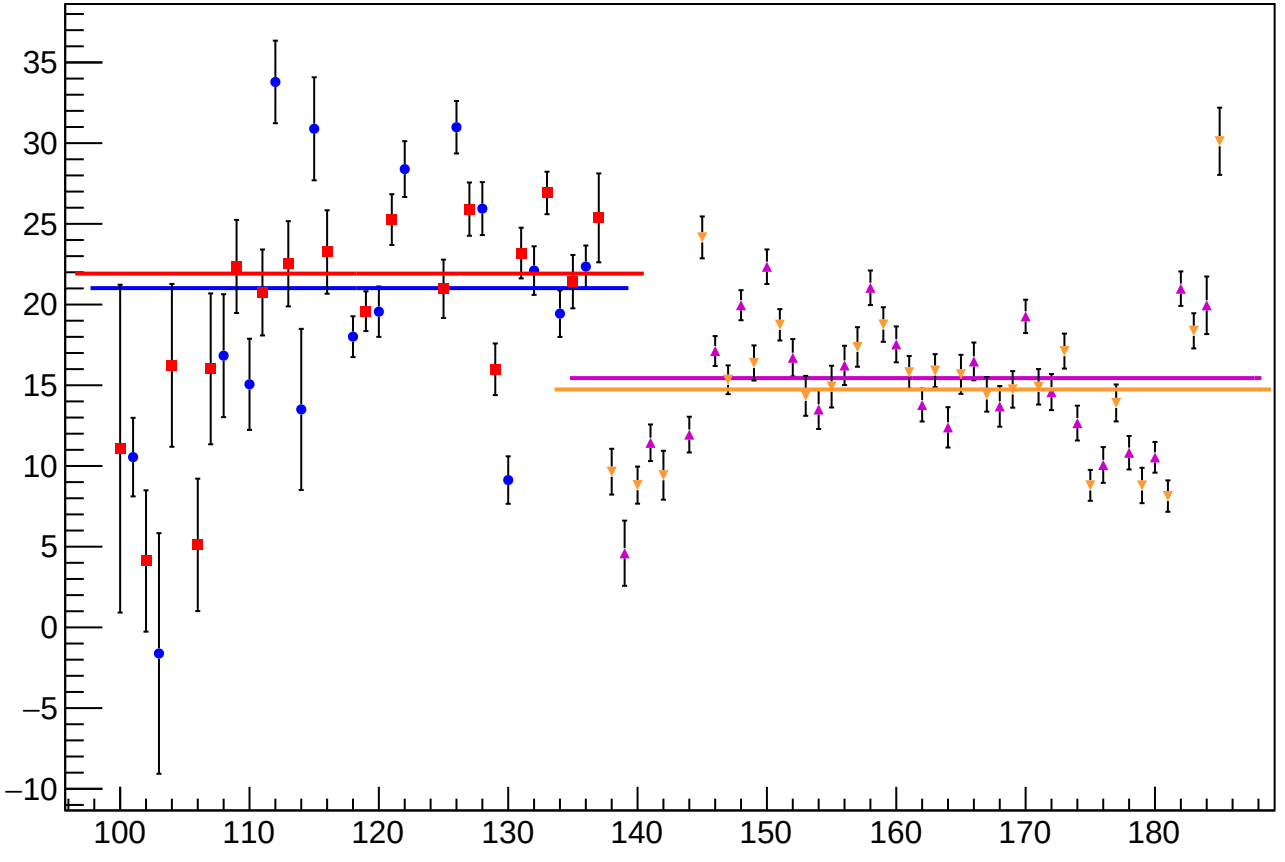
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -17.921+/-0.228 χ^2/NDF: 3863.8/39

All: -18.679+/-0.163 χ^2/NDF: 8065.3/80

\- 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: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

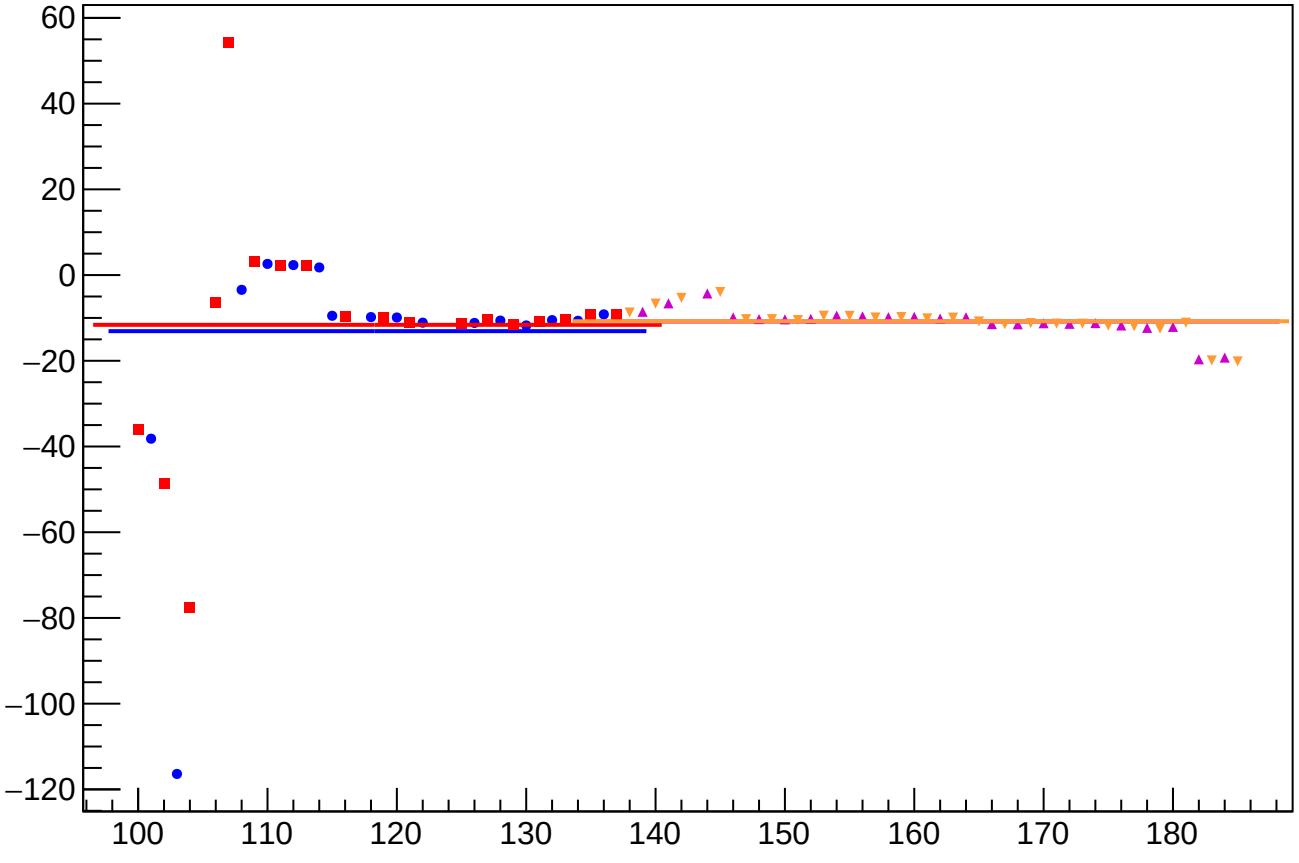
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.999+/-0.205 χ^2/NDF: 690.7/39

All: 16.335+/-0.147 χ^2/NDF: 1217.2/80

- 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: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

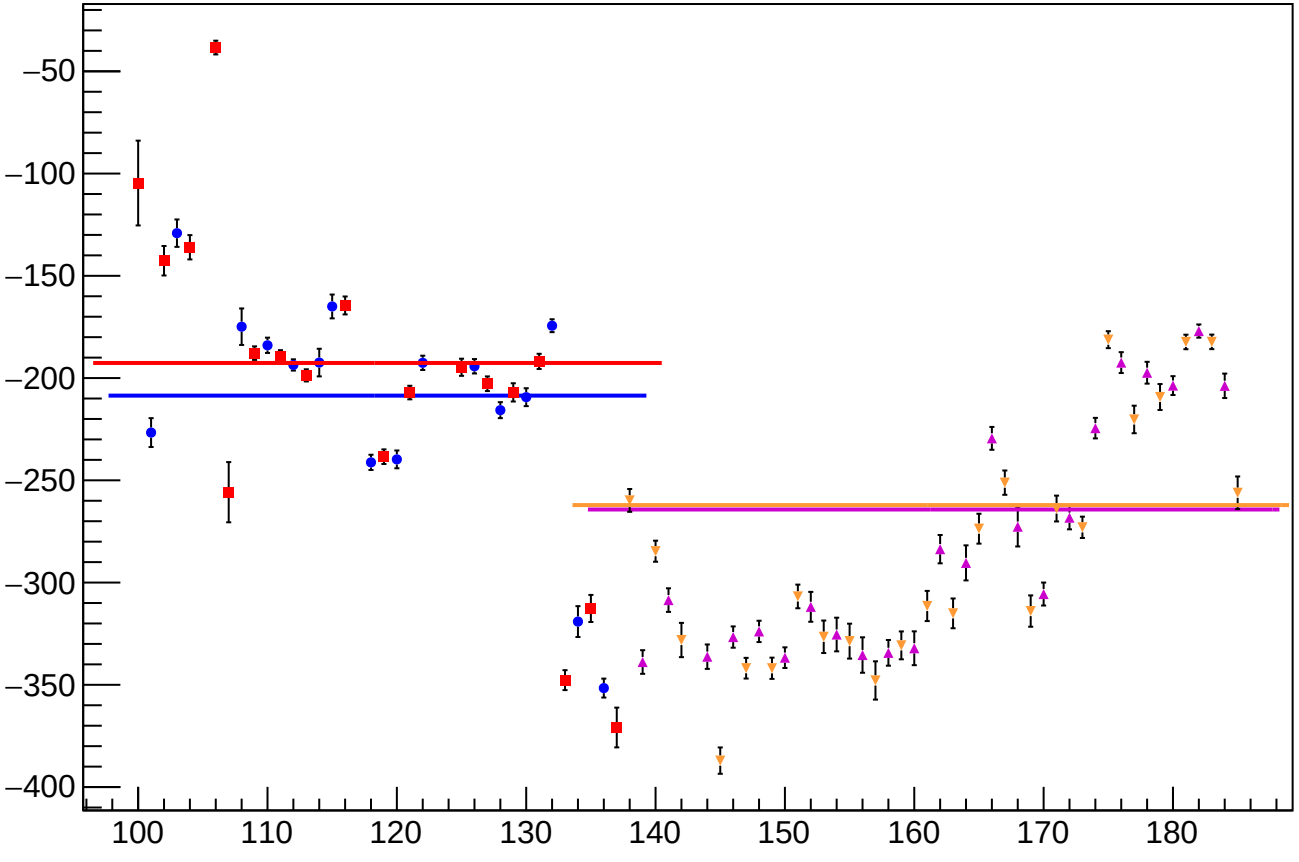
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.045+/-0.010 χ^2/NDF: 435532.6/39

All: -10.979+/-0.007 χ^2/NDF: 824491.6/80

- 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: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

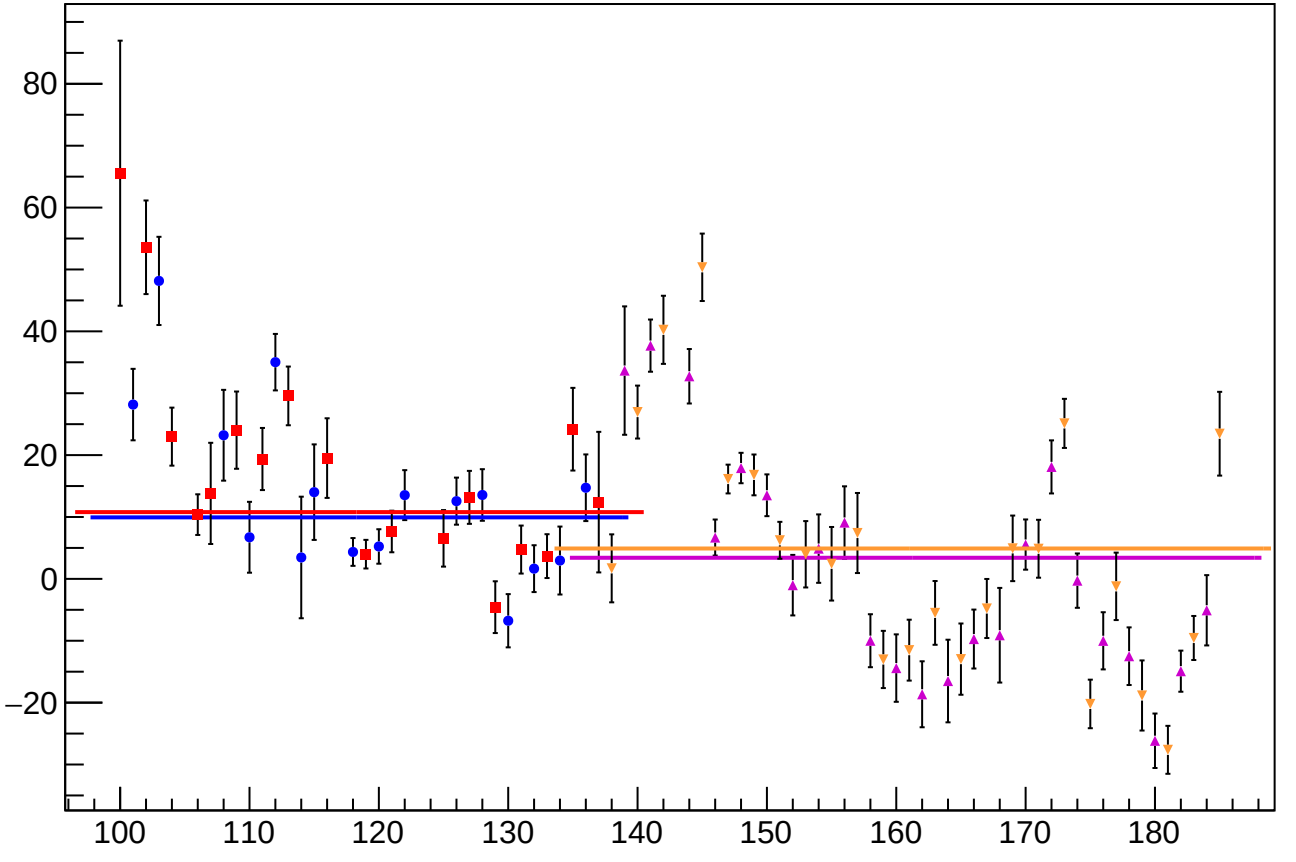
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -232.665+/-0.791 χ^2/NDF: 5848.8/39

All: -227.334+/-0.549 χ^2/NDF: 15021.9/80

- 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: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

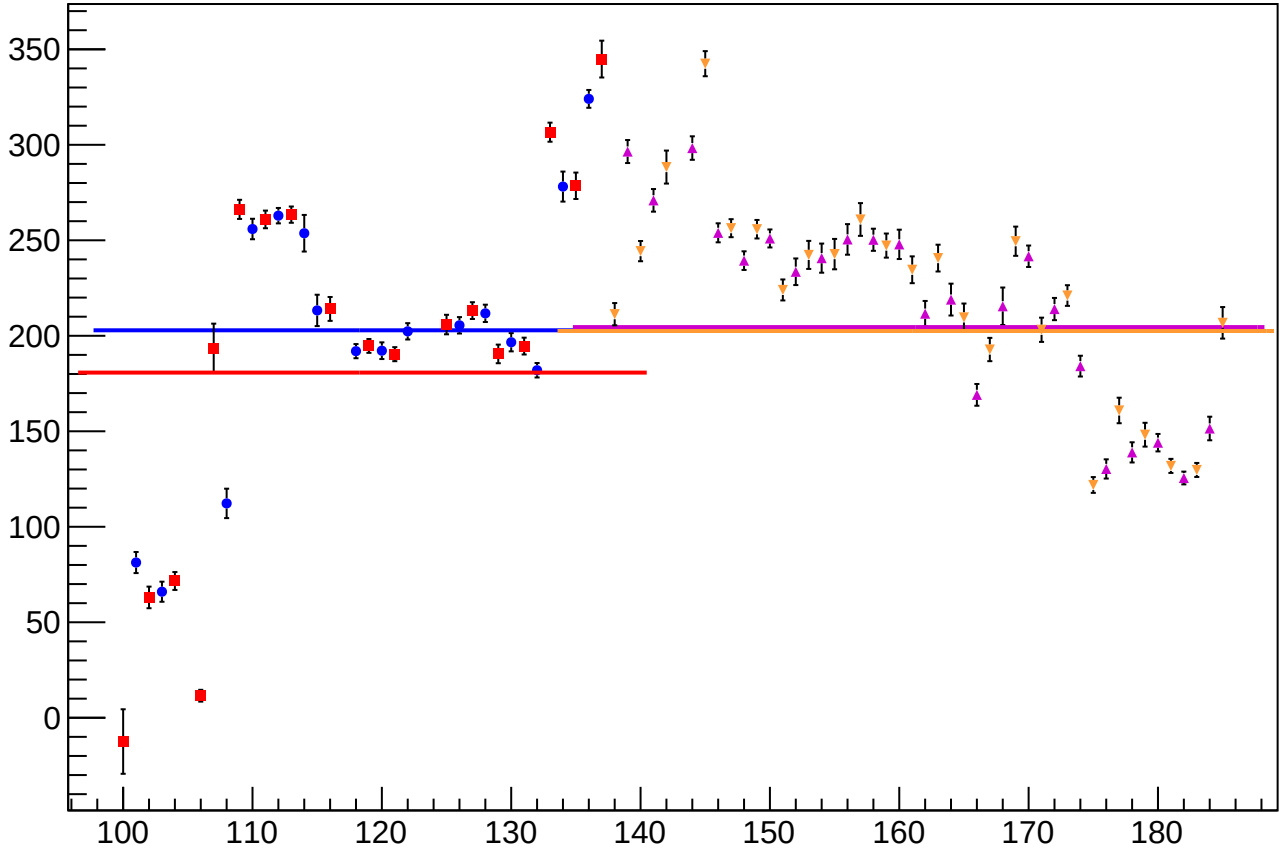
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 6.965+/-0.681 χ^2/NDF: 518.7/39

All: 6.763+/-0.482 χ^2/NDF: 985.9/80

- 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: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

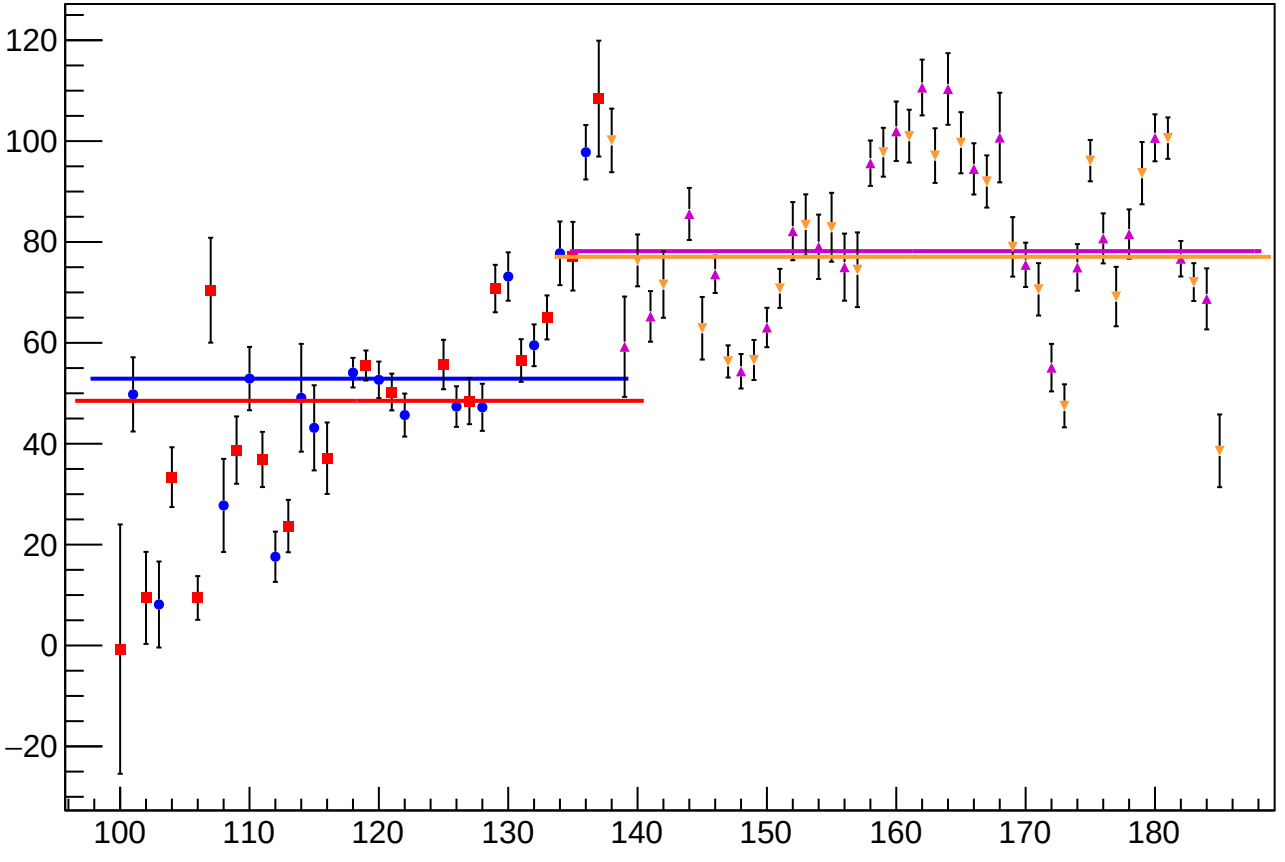
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 202.685+/-0.847 χ^2/NDF: 4857.8/39

All: 197.324+/-0.589 χ^2/NDF: 13779.7/80

- 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: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

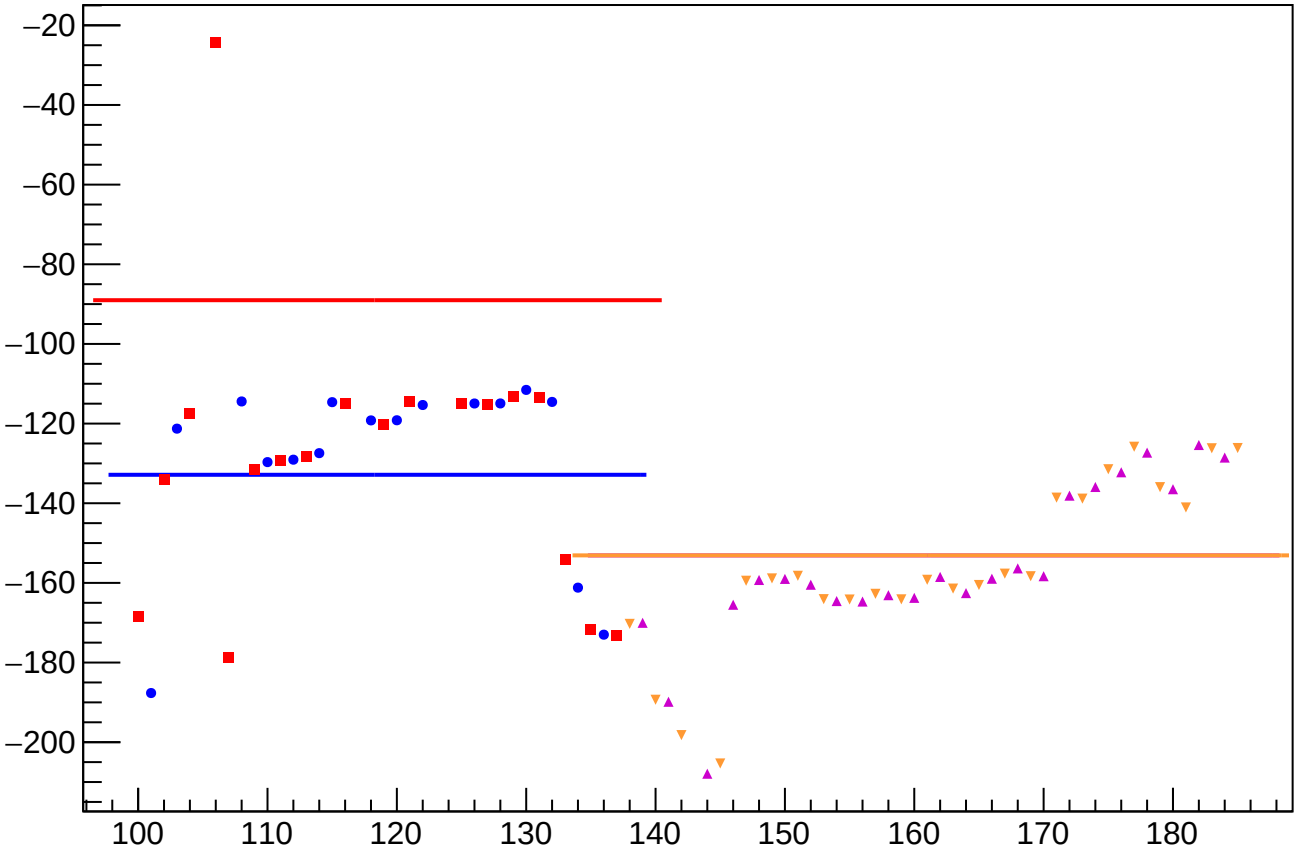
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 67.379+/-0.786 χ^2/NDF: 736.6/39

All: 66.603+/-0.555 χ^2/NDF: 1559.7/80

- 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: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

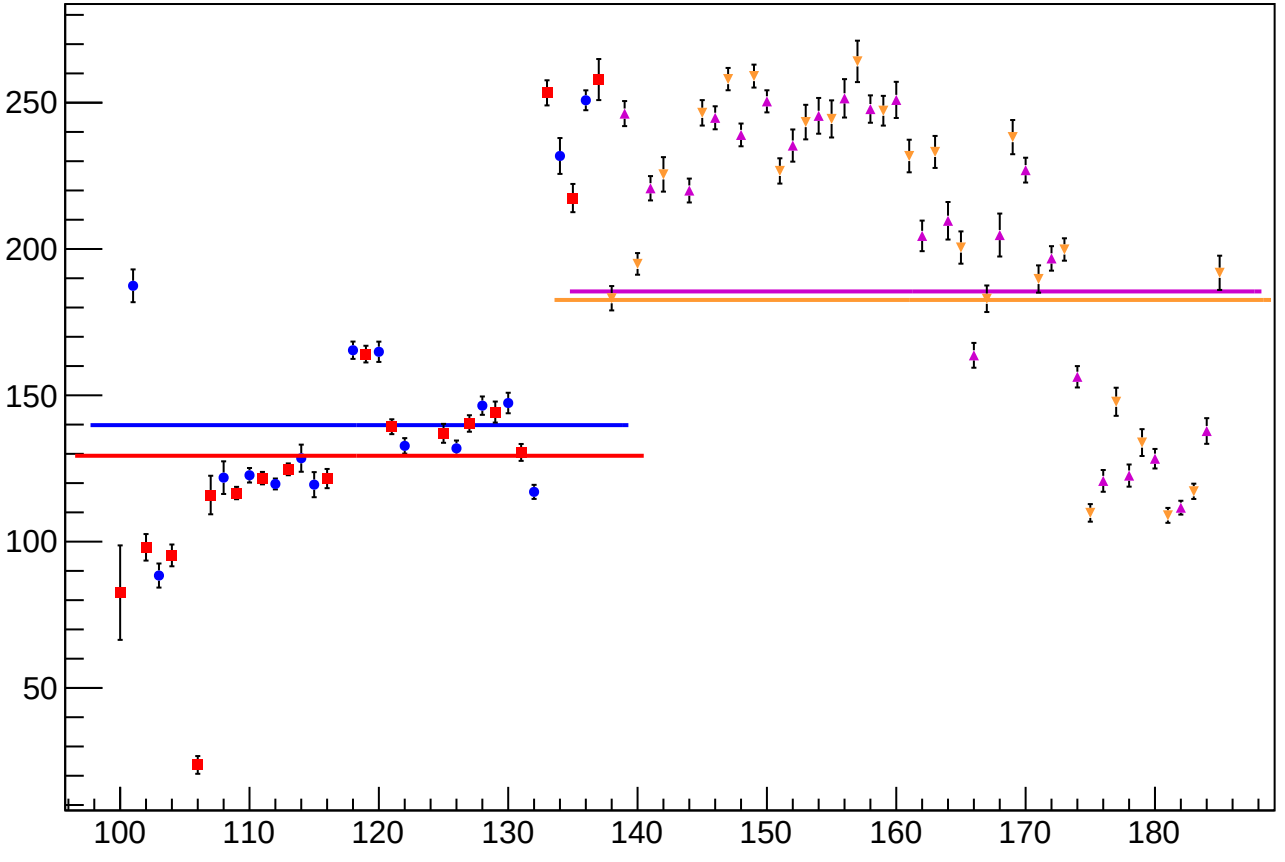
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -148.040+/-0.041 χ^2/NDF: 317472.1/39

All: -138.861+/-0.028 χ^2/NDF: 1959799.3/80

- 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: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

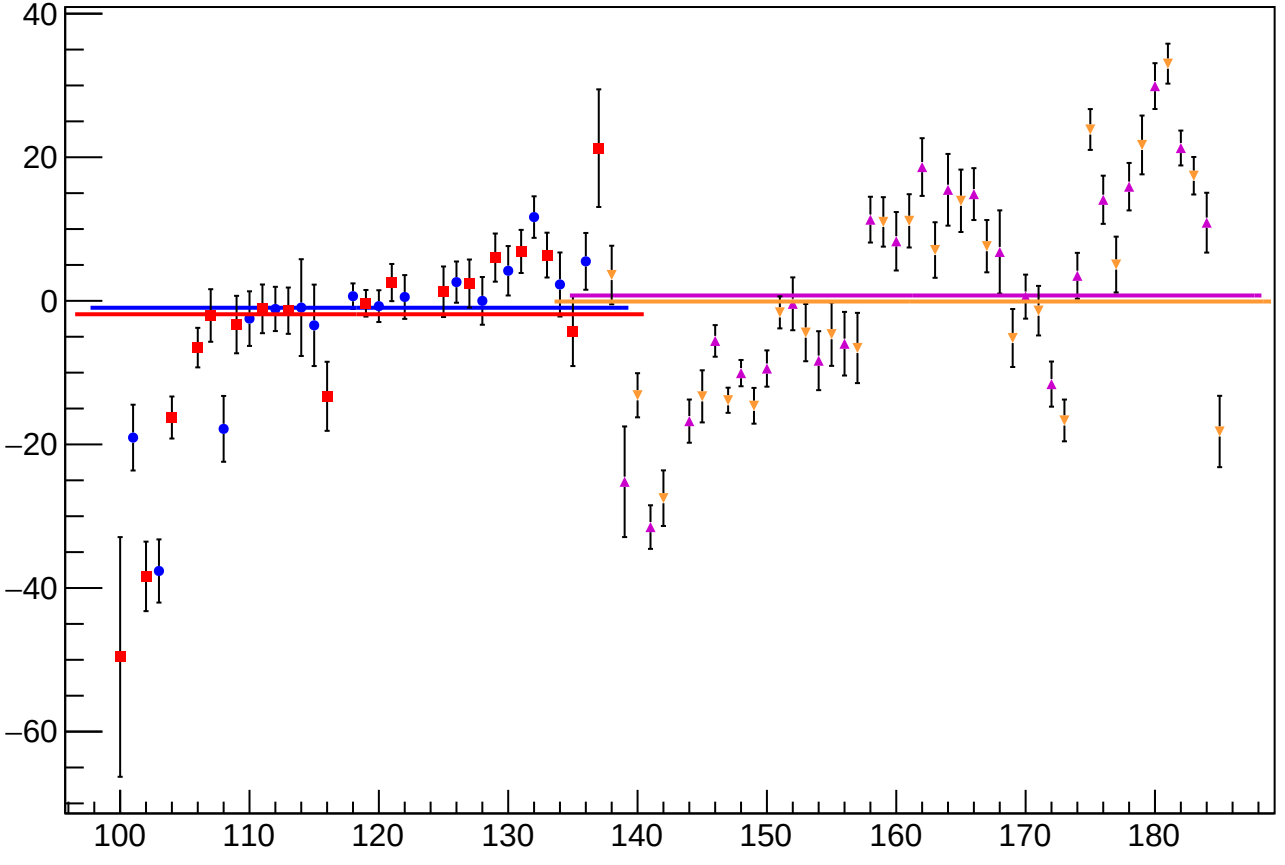
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 159.097+/-0.581 χ^2/NDF: 7457.7/39

All: 155.751+/-0.404 χ^2/NDF: 16892.6/80

- 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: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

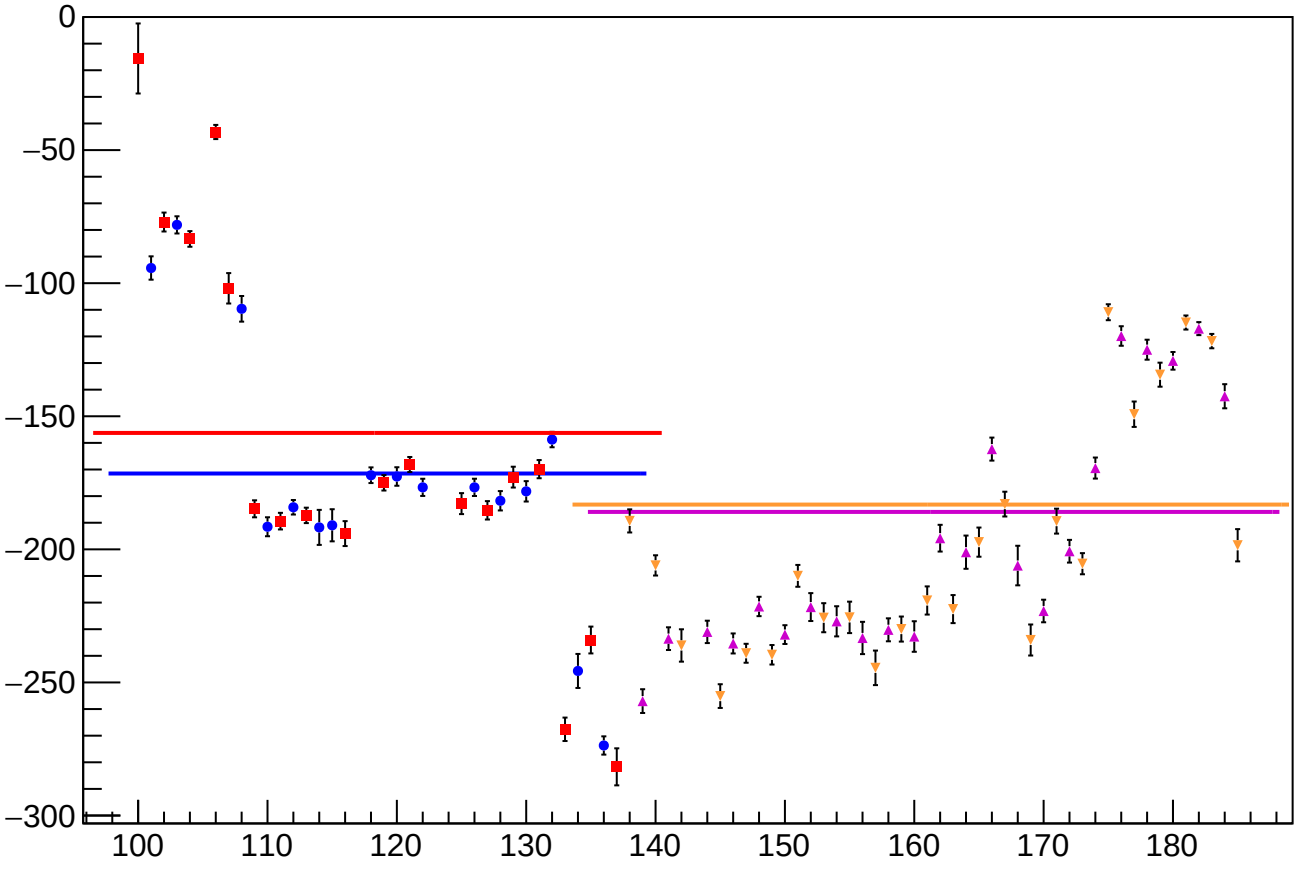
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -0.437+/-0.509 χ^2/NDF: 682.1/39

All: -0.393+/-0.359 χ^2/NDF: 1319.5/80

- 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: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

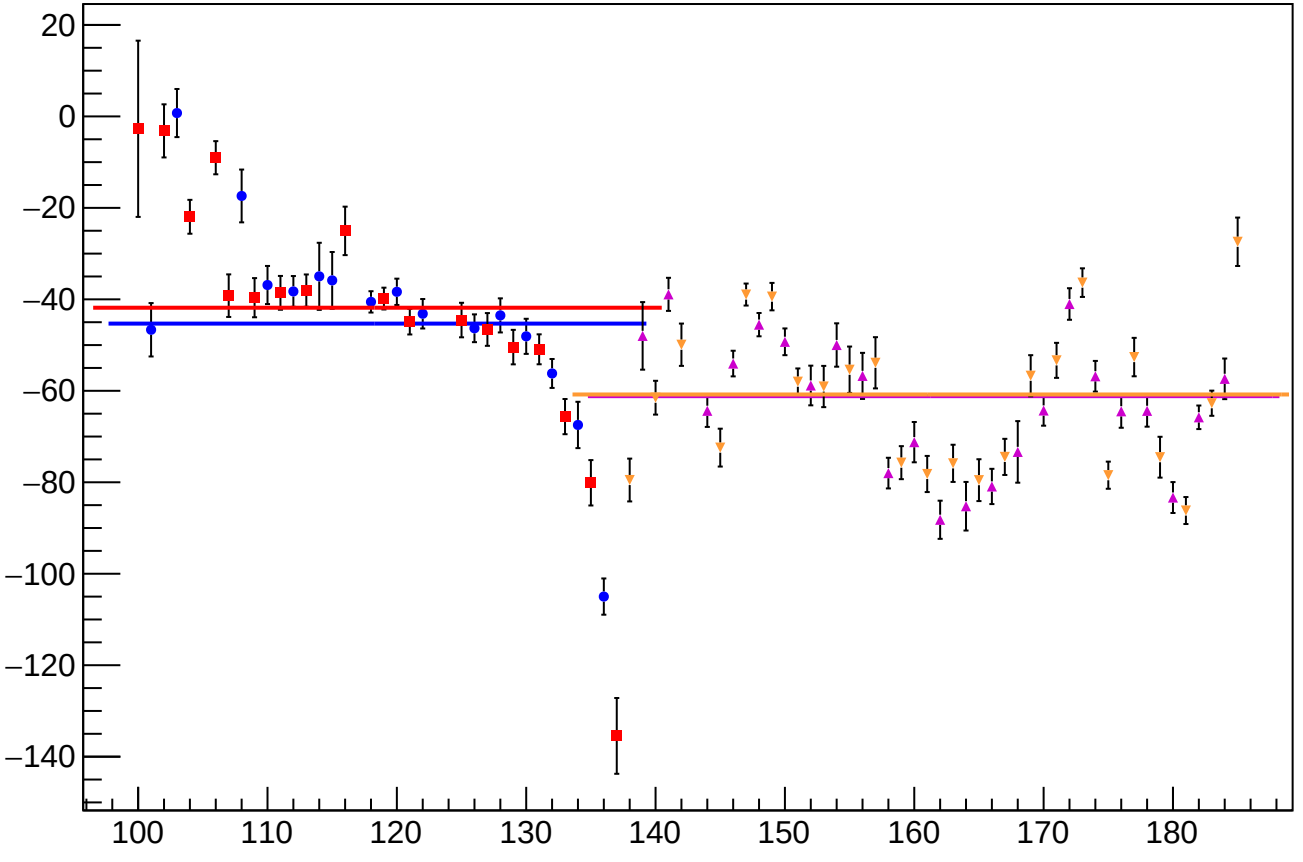
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -177.634+/-0.625 χ^2/NDF: 5890.9/39

All: -174.090+/-0.435 χ^2/NDF: 14638.5/80

- 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: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

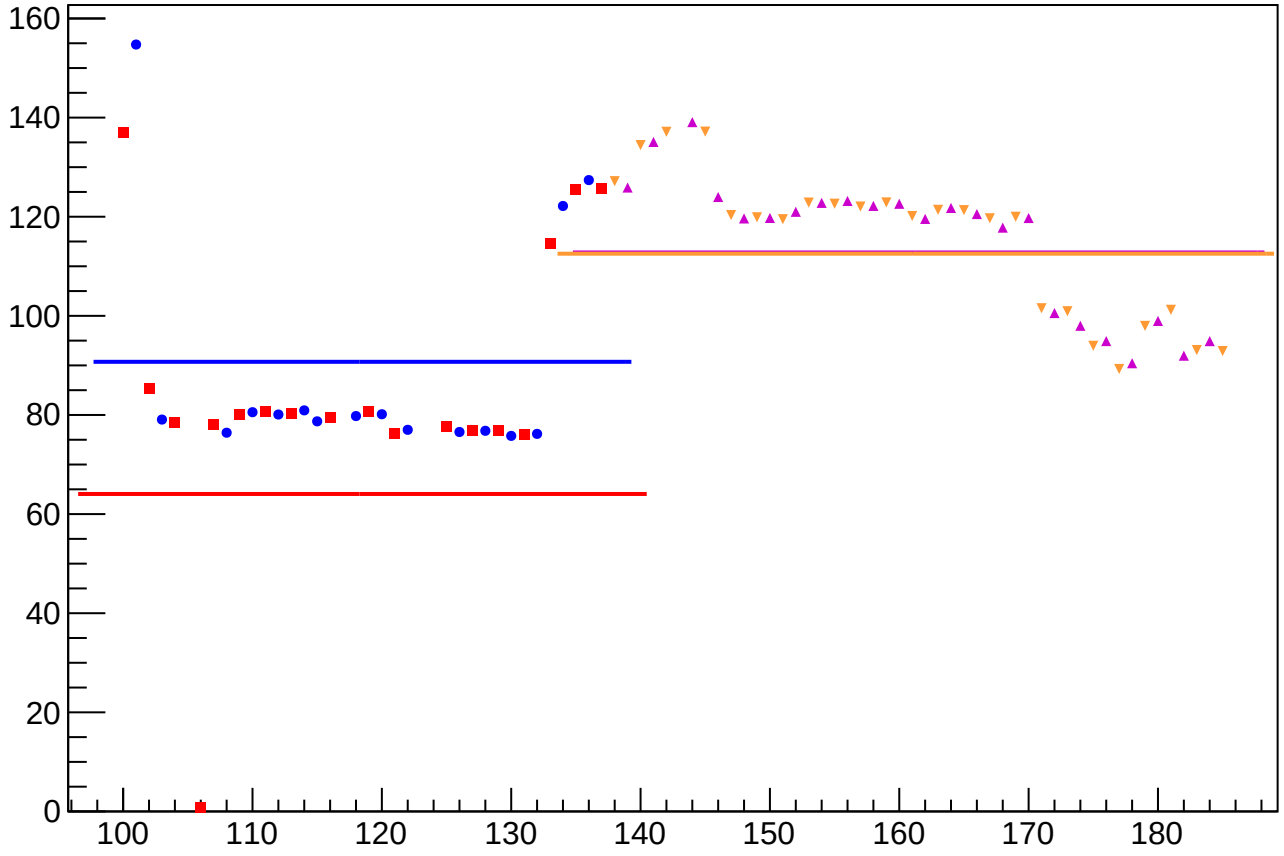
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -54.765+/-0.585 χ^2/NDF: 1022.8/39

All: -54.007+/-0.413 χ^2/NDF: 2024.6/80

- 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: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

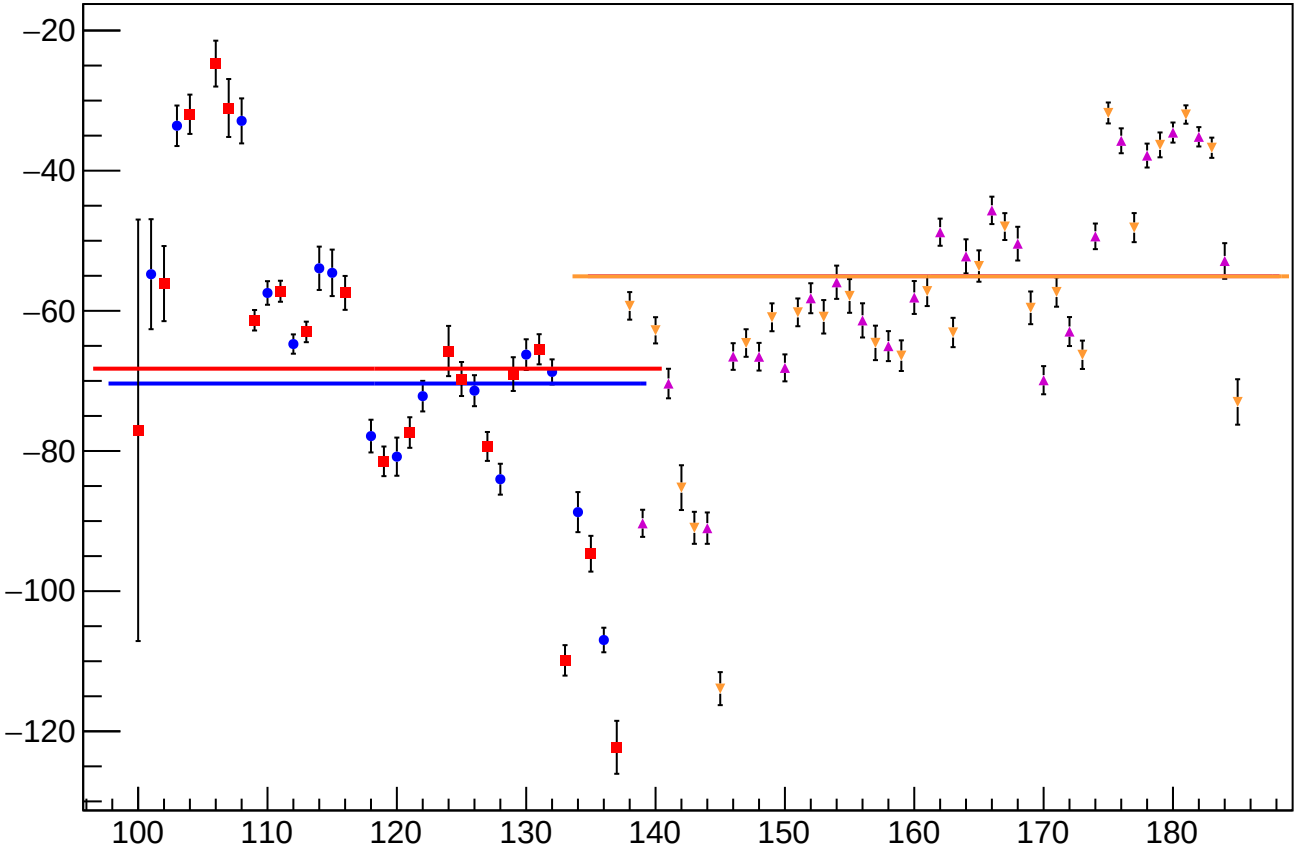
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.888+/-0.030 χ^2/NDF: 438739.0/39

All: 101.584+/-0.020 χ^2/NDF: 1988542.9/80

- 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: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

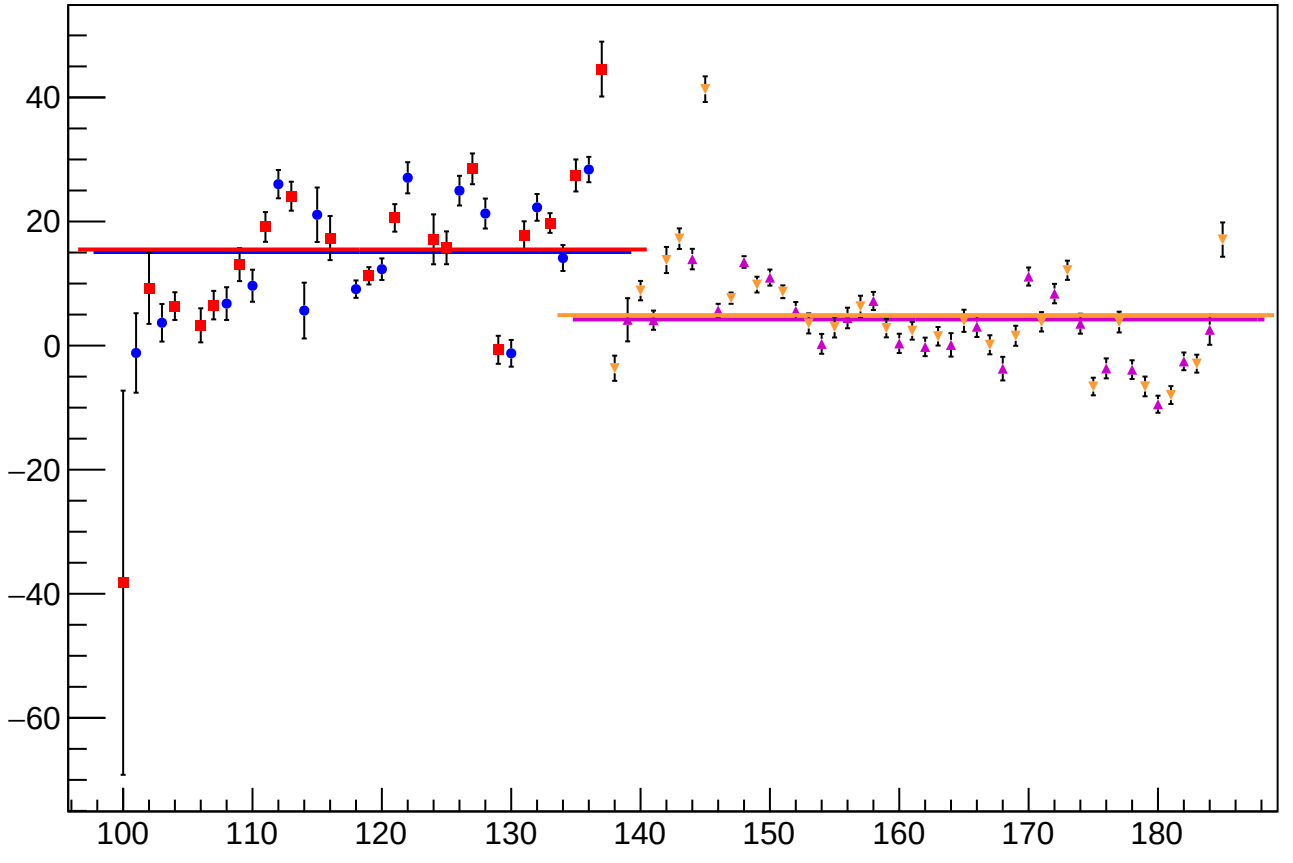
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

\+ sign -60.282+/-0.325 χ^2/NDF: 3474.0/40

All: -60.160+/-0.229 χ^2/NDF: 6712.9/82

\- sign -60.038+/-0.324 χ^2/NDF: 3238.7/41

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

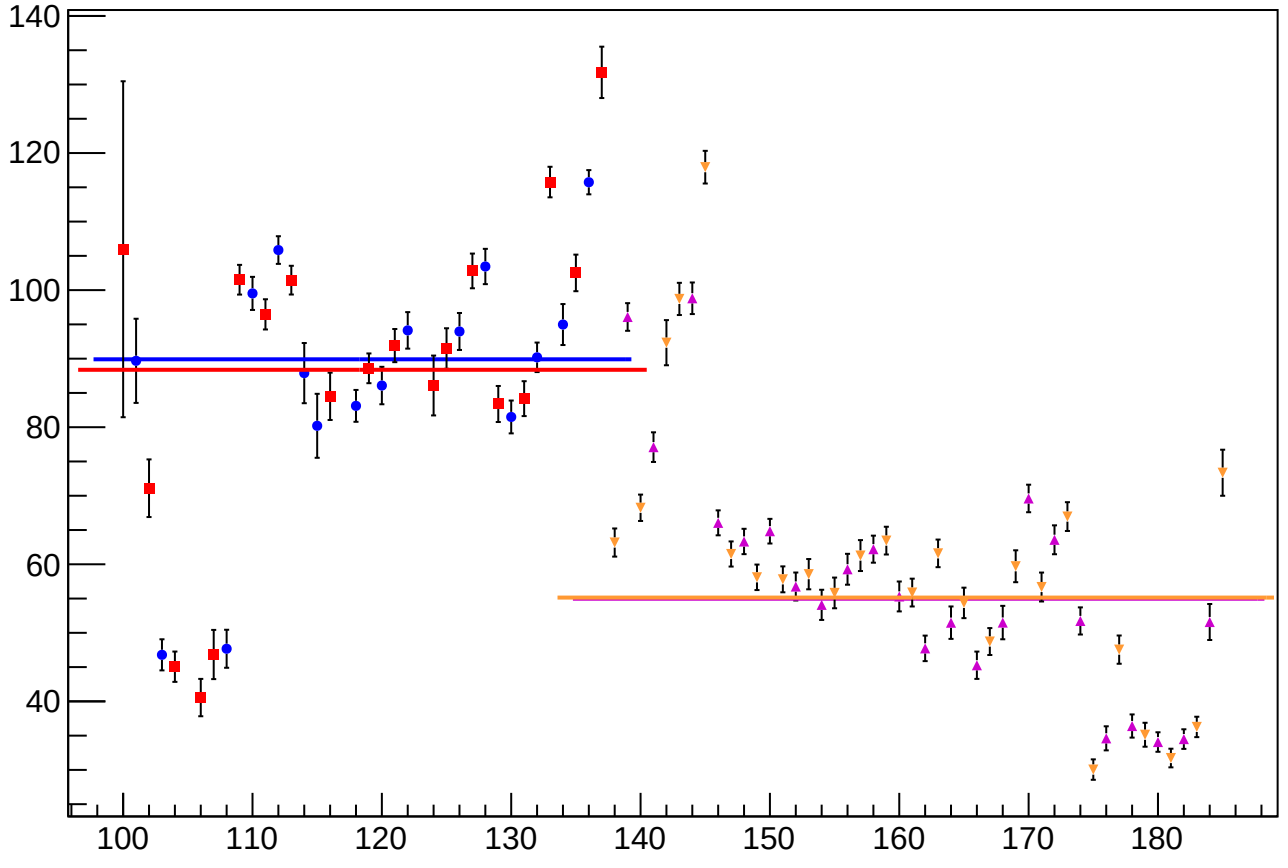
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.070+/-0.268 χ^2/NDF: 1226.0/40

All: 6.988+/-0.191 χ^2/NDF: 2191.3/82

- 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: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

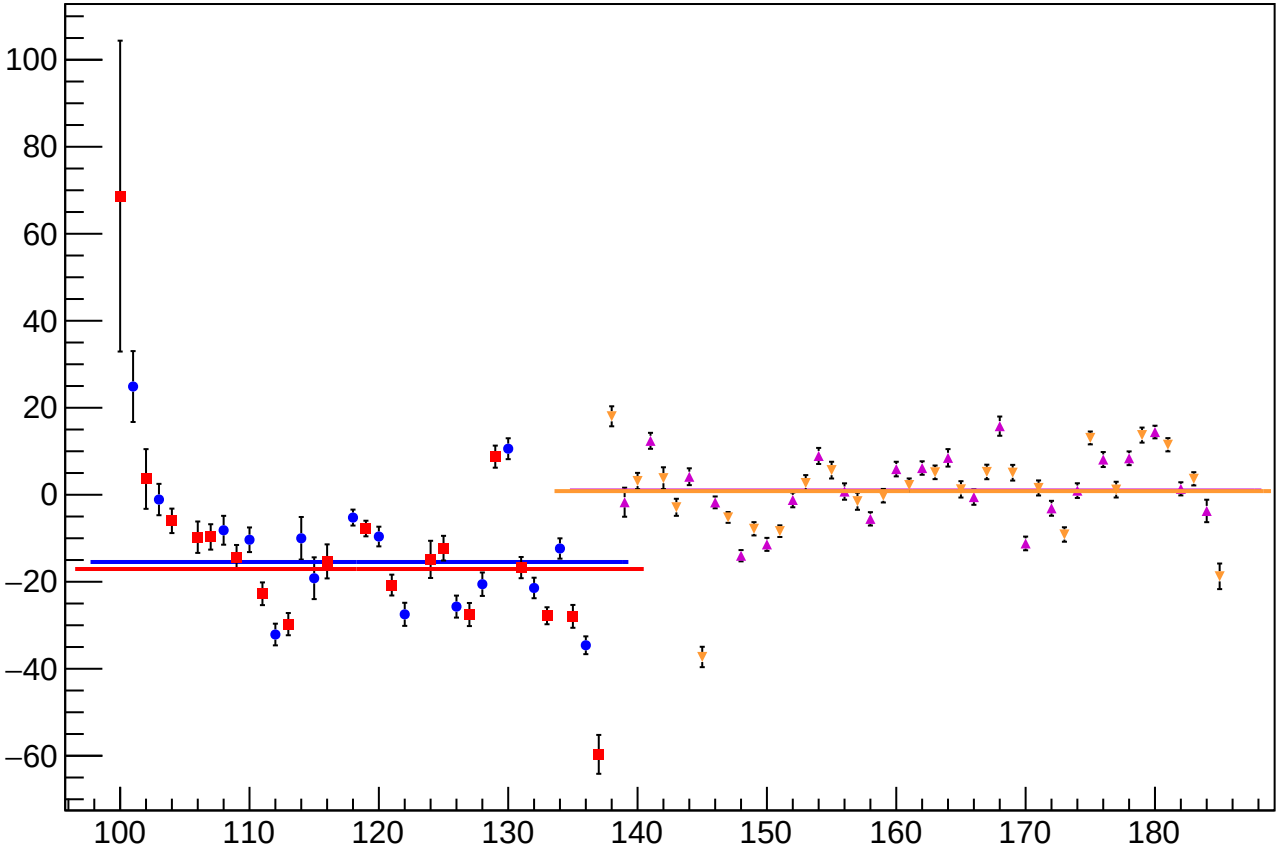
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 64.784+/-0.337 χ^2/NDF: 5317.9/40

All: 64.912+/-0.239 χ^2/NDF: 10432.1/82

- 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: 0.840+/-0.343 χ^2/NDF:717.2/24

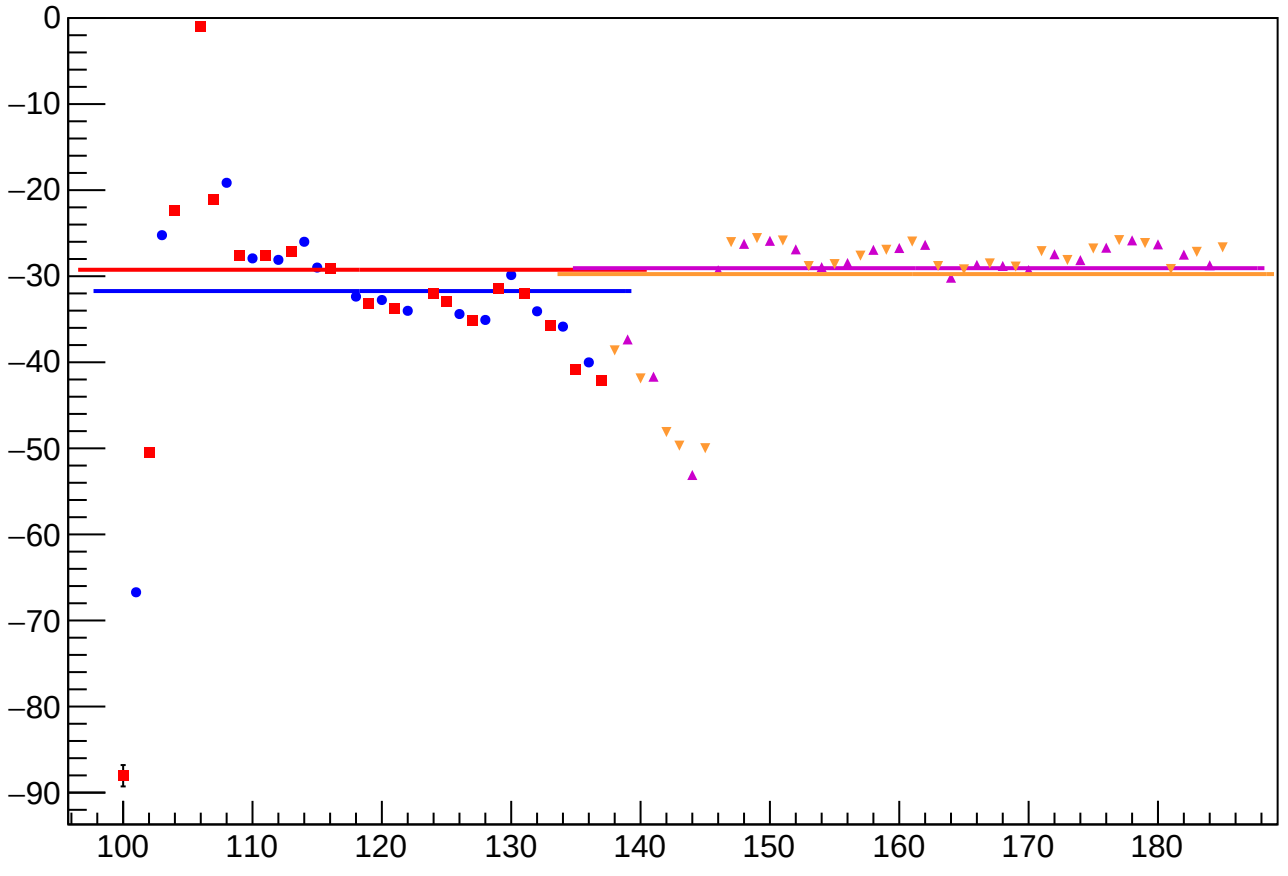
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.578+/-0.305 χ^2/NDF: 1577.5/40

All: -2.884+/-0.217 χ^2/NDF: 3103.1/82

- 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: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

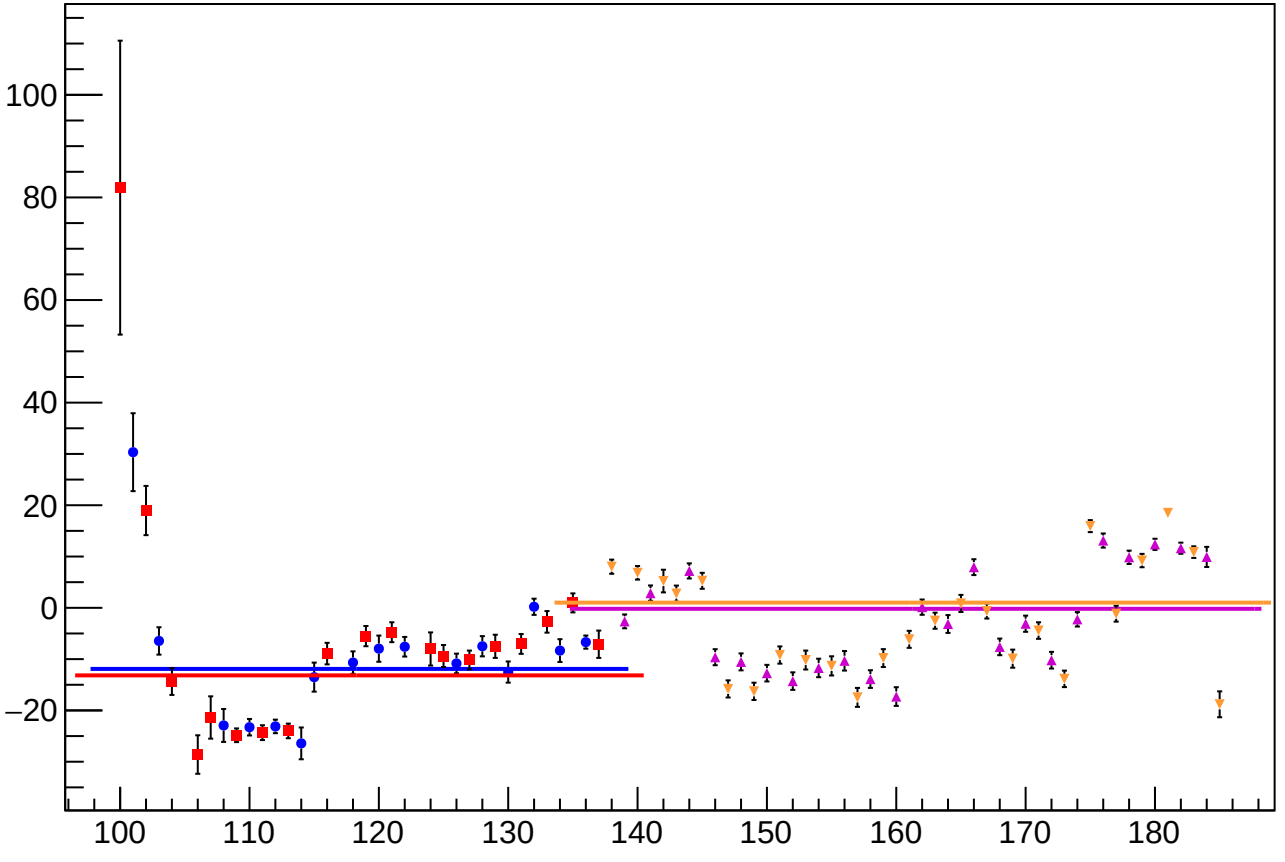
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.031+/-0.014 χ^2/NDF: 205439.4/40

All: -29.568+/-0.010 χ^2/NDF: 404322.6/82

- 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: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

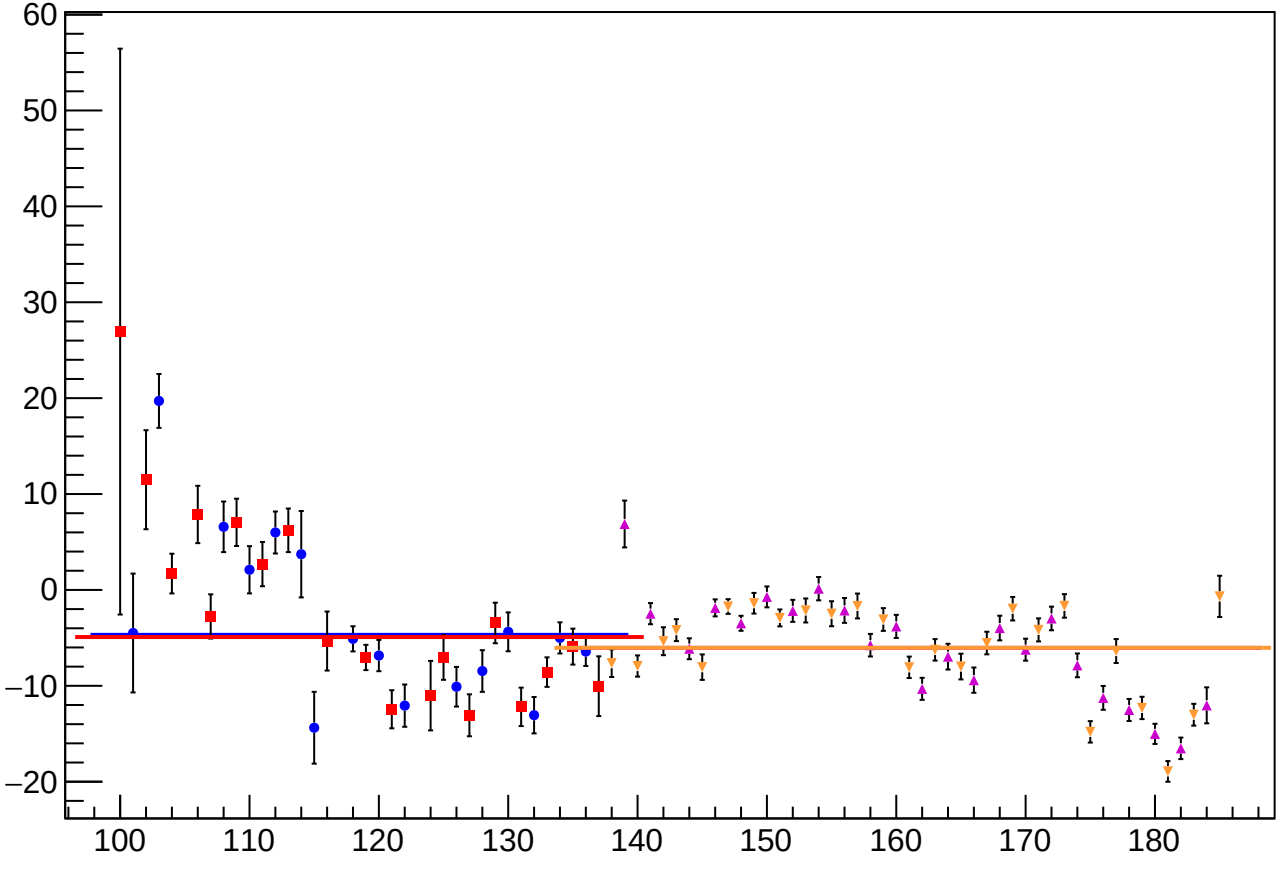
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -2.519+/-0.260 χ^2/NDF: 2108.8/40

All: -3.294+/-0.185 χ^2/NDF: 4042.2/82

- 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: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

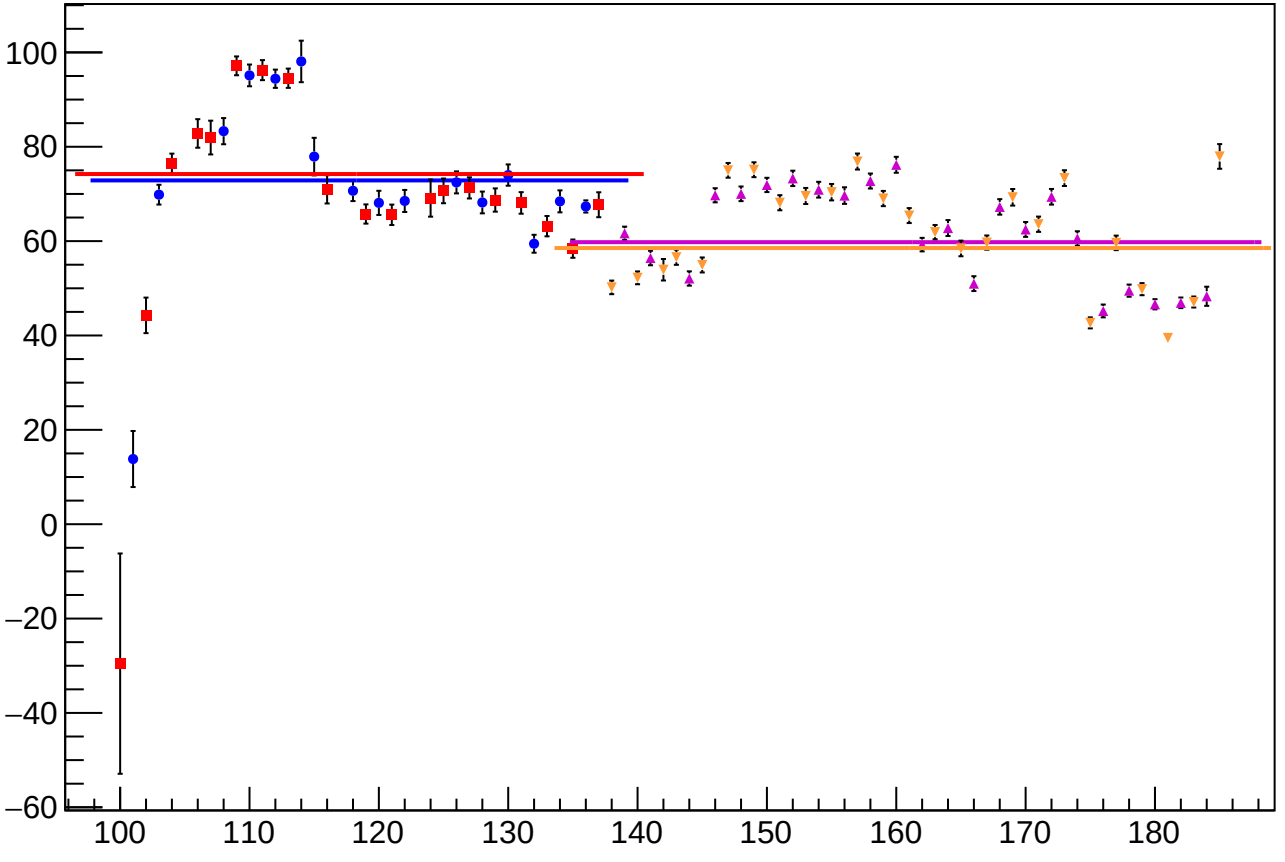
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.807+/-0.213 χ^2/NDF: 599.6/40

All: -5.821+/-0.153 χ^2/NDF: 1155.7/82

- 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: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

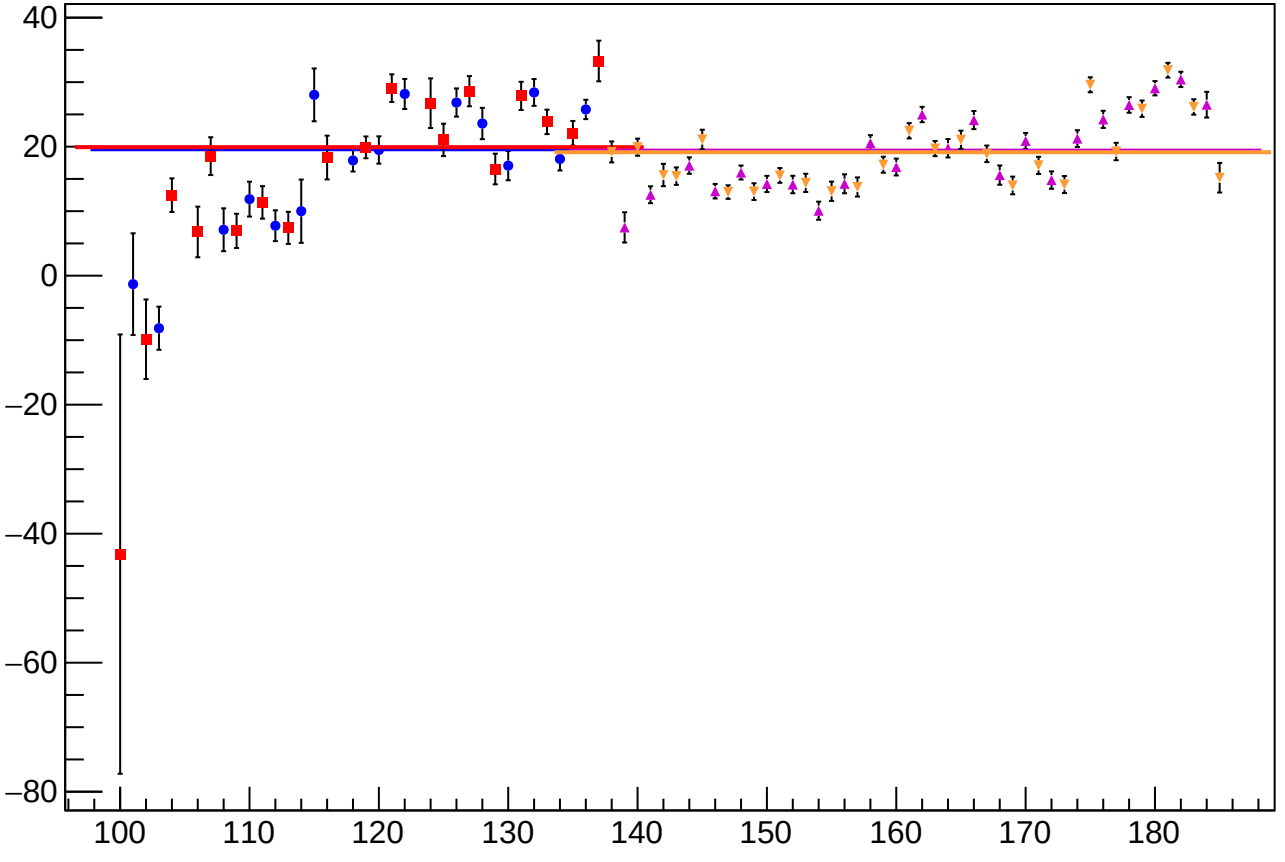
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 61.732+/-0.267 χ^2/NDF: 2399.1/40

All: 62.436+/-0.191 χ^2/NDF: 4574.7/82

- 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: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

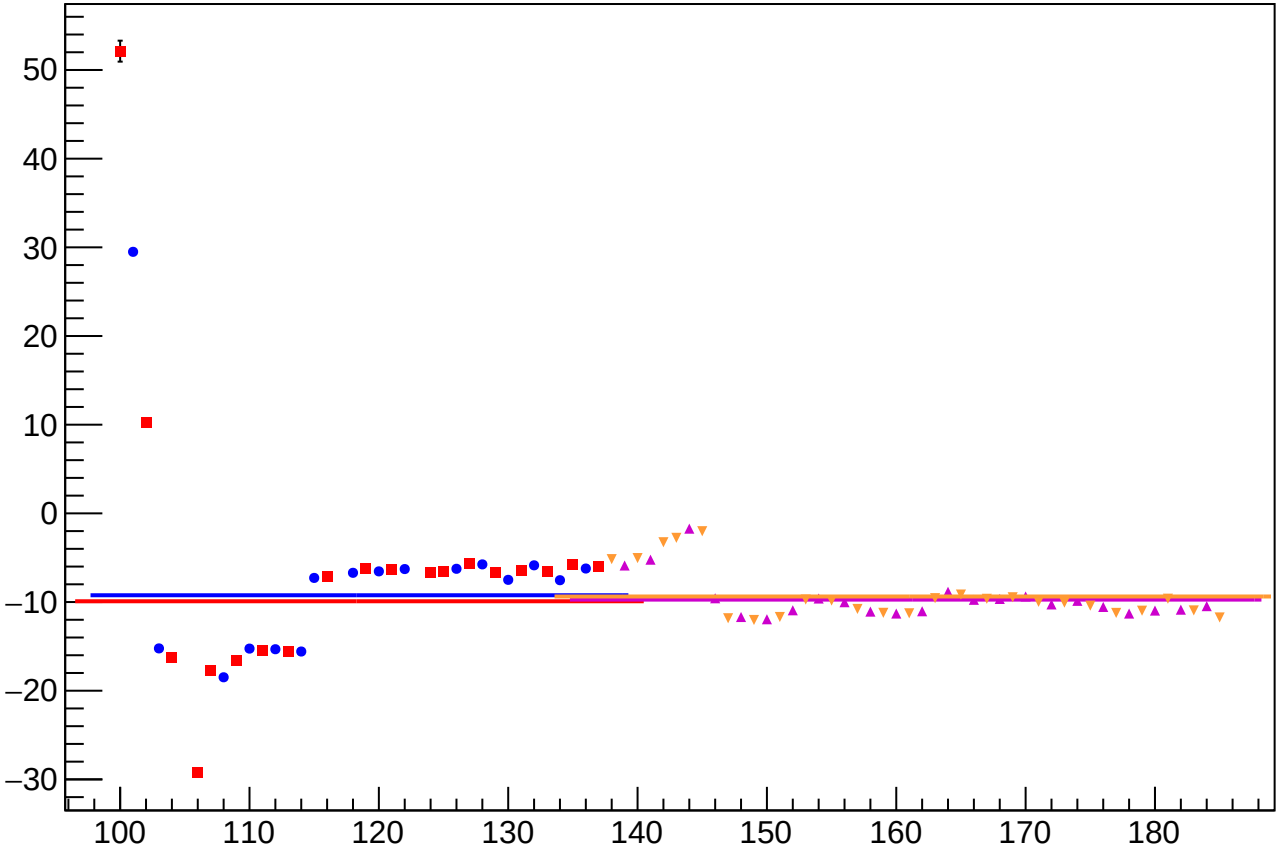
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

\+ sign 19.216+/-0.241 χ^2/NDF: 630.2/40

All: 19.346+/-0.173 χ^2/NDF: 1280.5/82

\- 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: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

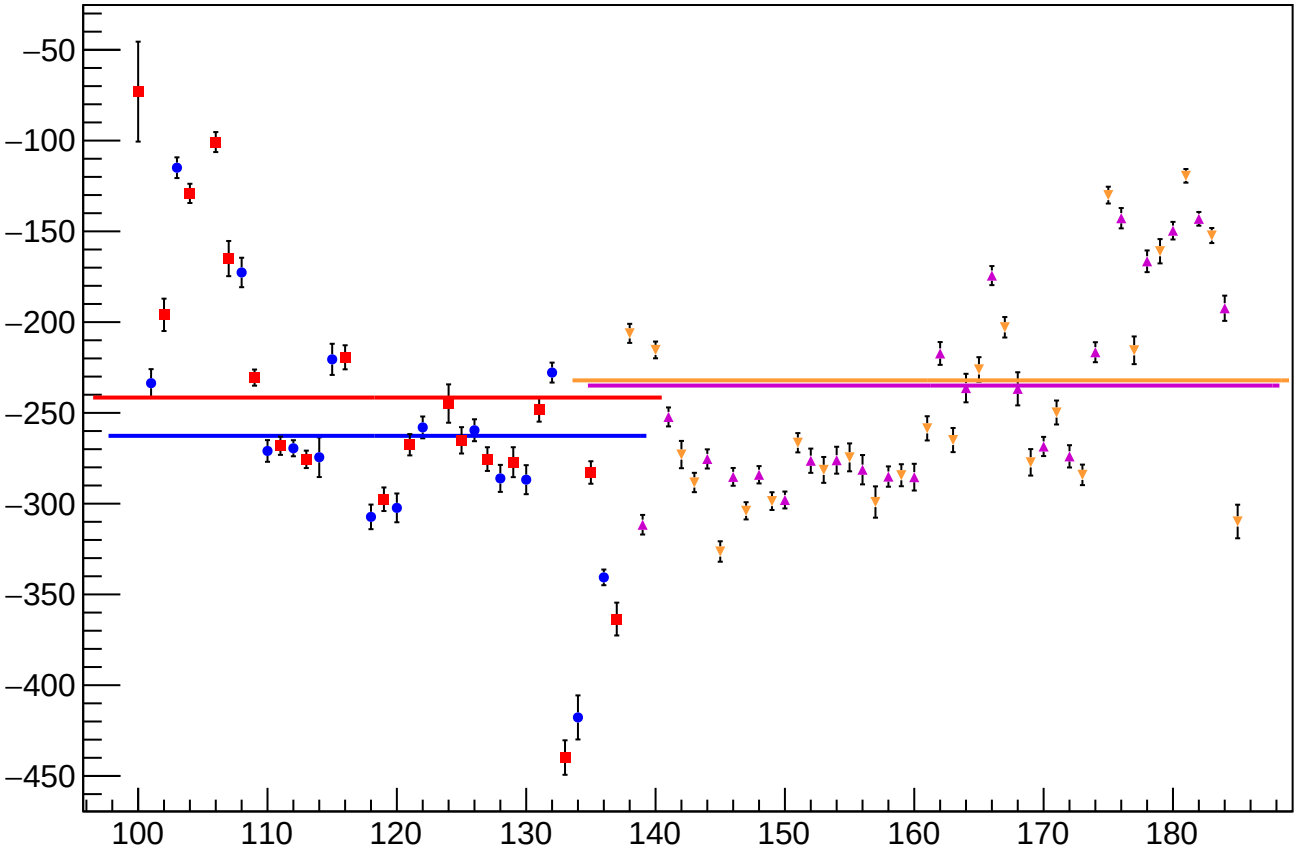
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.358+/-0.011 χ^2/NDF: 81109.6/40

All: -9.548+/-0.008 χ^2/NDF: 167540.0/82

- 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: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

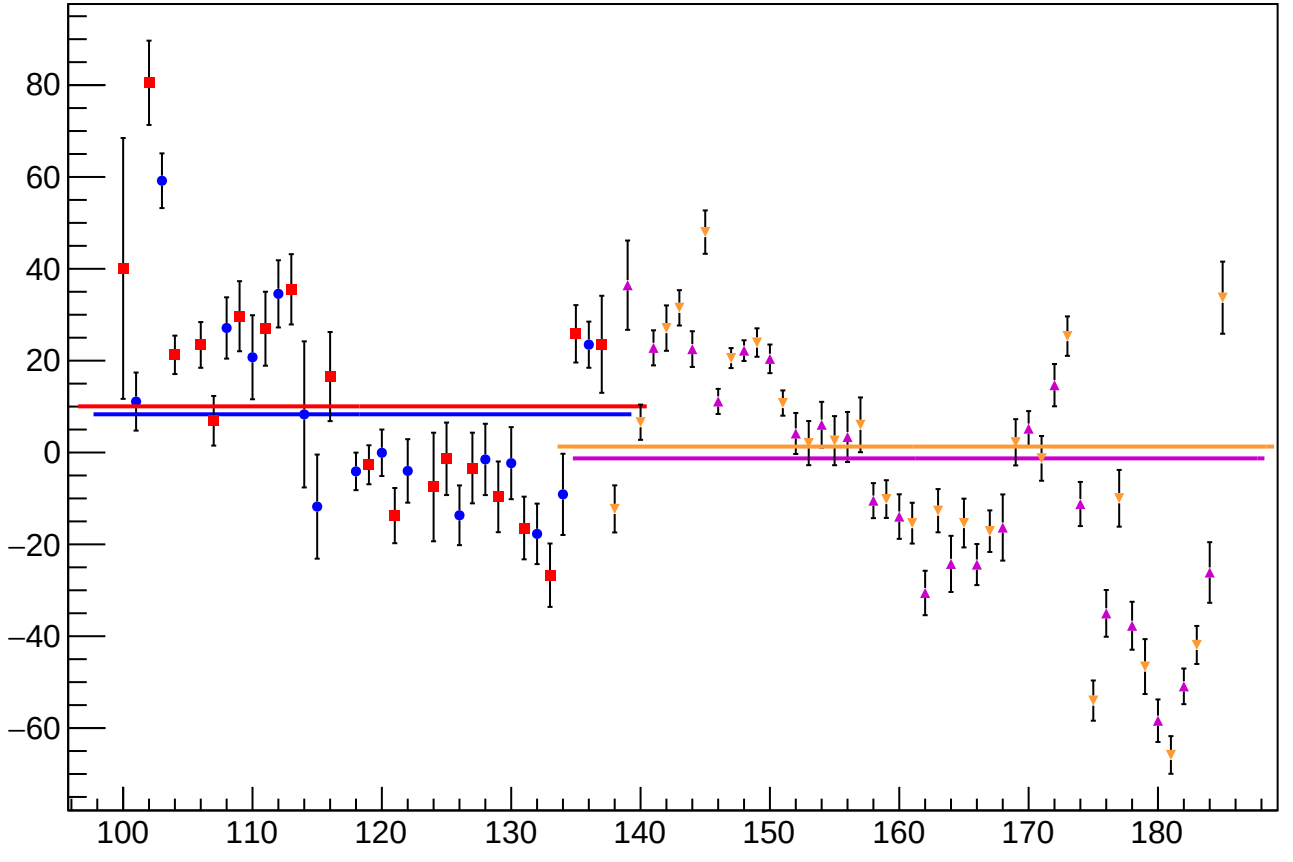
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -242.298+/-0.933 χ^2/NDF: 4962.9/40

All: -239.858+/-0.657 χ^2/NDF: 9597.2/82

- sign -237.449+/-0.927 χ^2/NDF: 4620.7/41

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

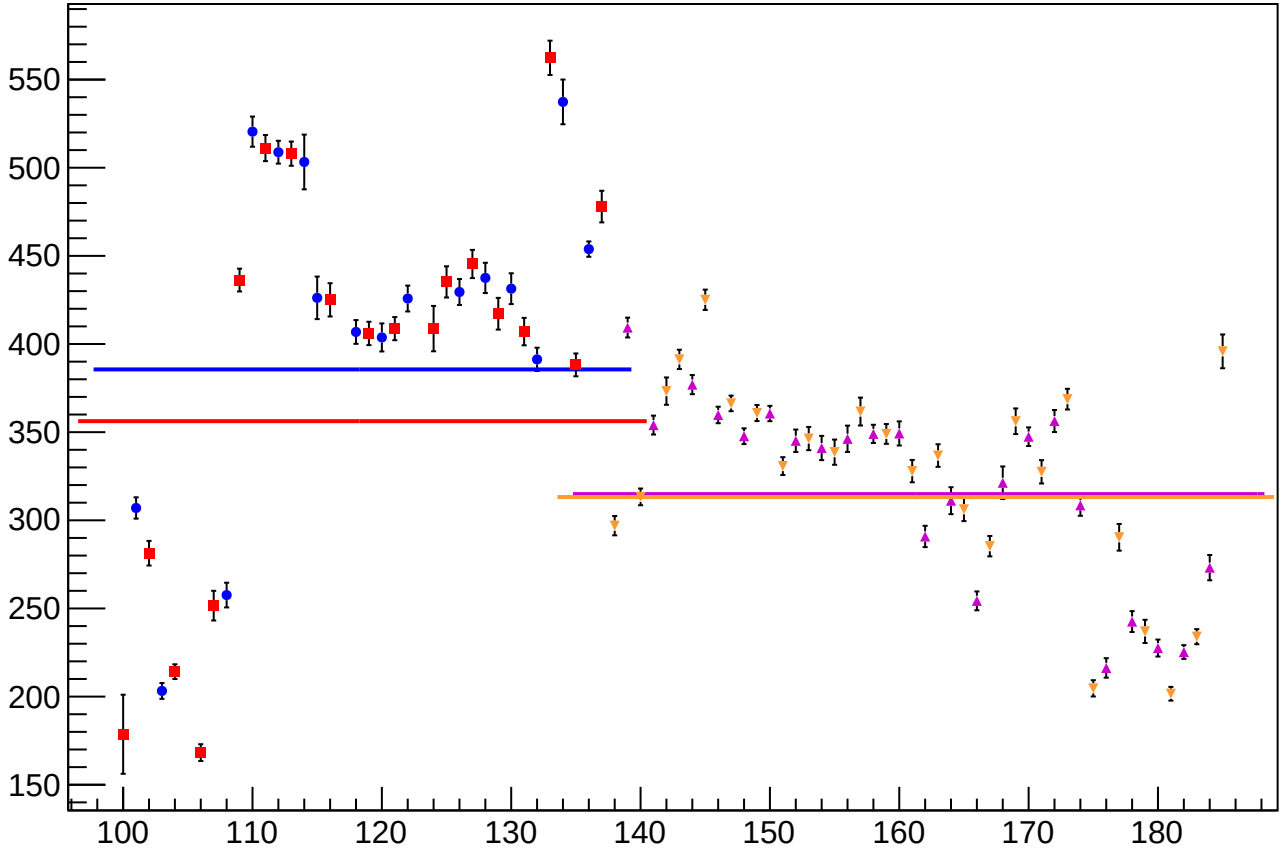
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 2.741+/-0.746 χ^2/NDF: 1221.6/40

All: 2.109+/-0.531 χ^2/NDF: 2262.8/82

- 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: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

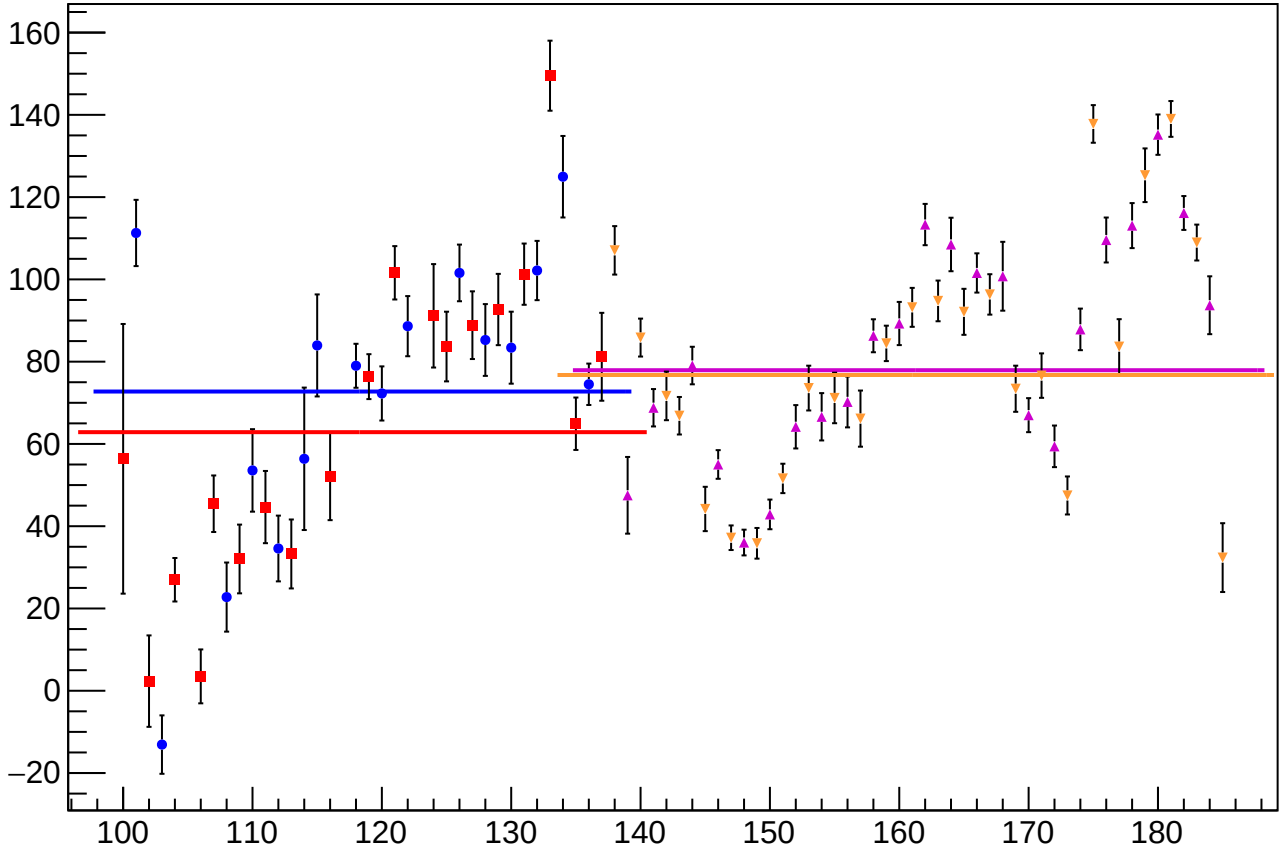
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 334.738+/-0.950 χ^2/NDF: 7721.6/40

All: 331.670+/-0.672 χ^2/NDF: 15863.5/82

- 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: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

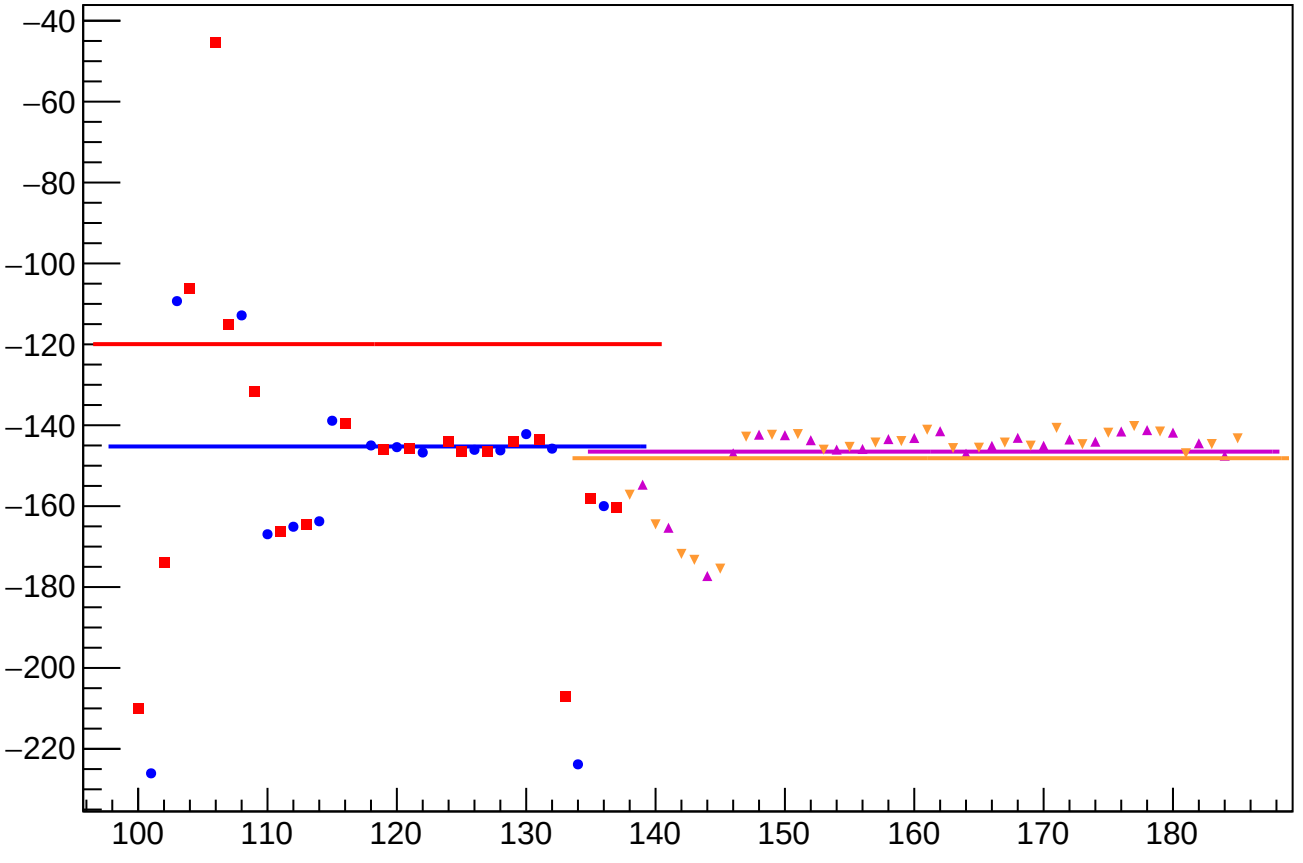
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 75.930+/-0.861 χ^2/NDF: 1343.2/40

All: 75.160+/-0.613 χ^2/NDF: 2586.1/82

- 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: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

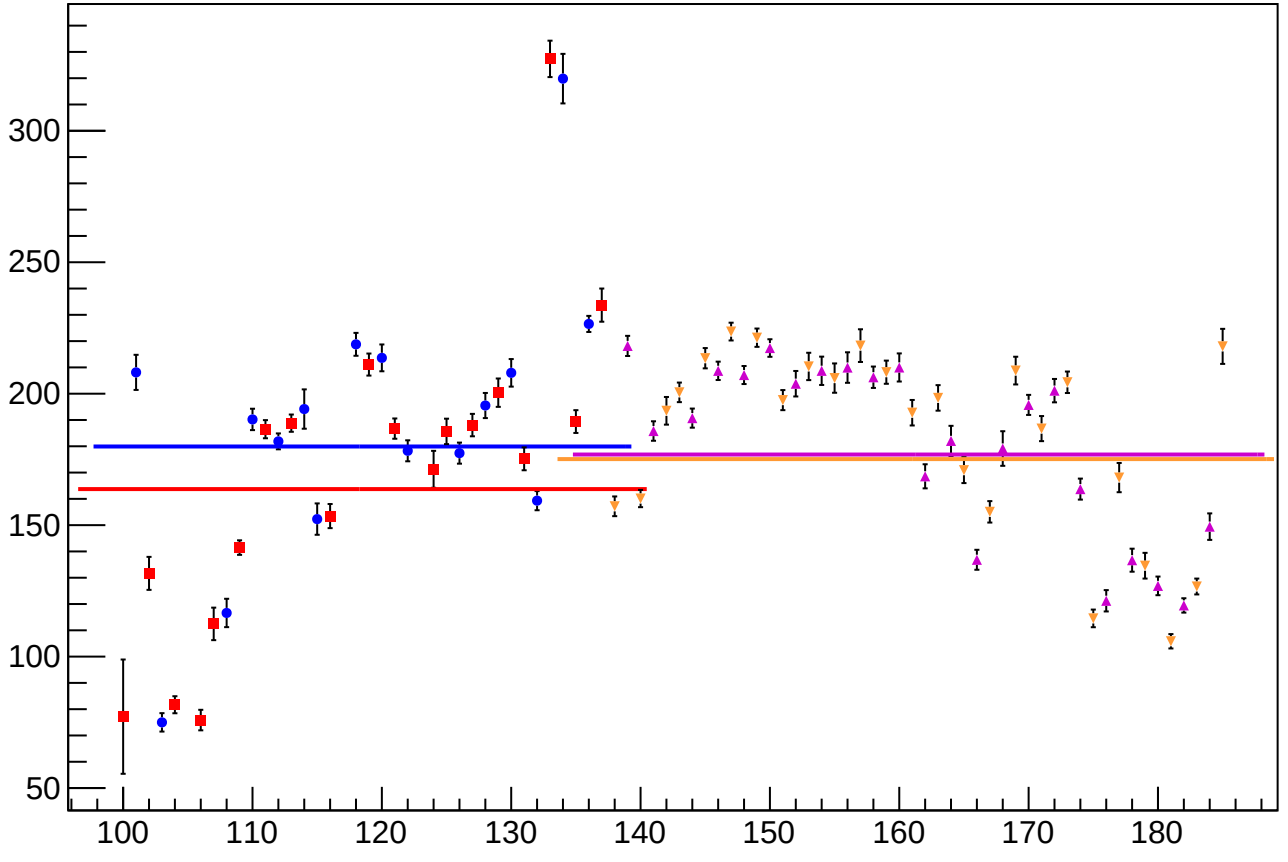
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -147.644+/-0.041 χ^2/NDF: 181687.1/40

All: -144.288+/-0.029 χ^2/NDF: 565175.0/82

- 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: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

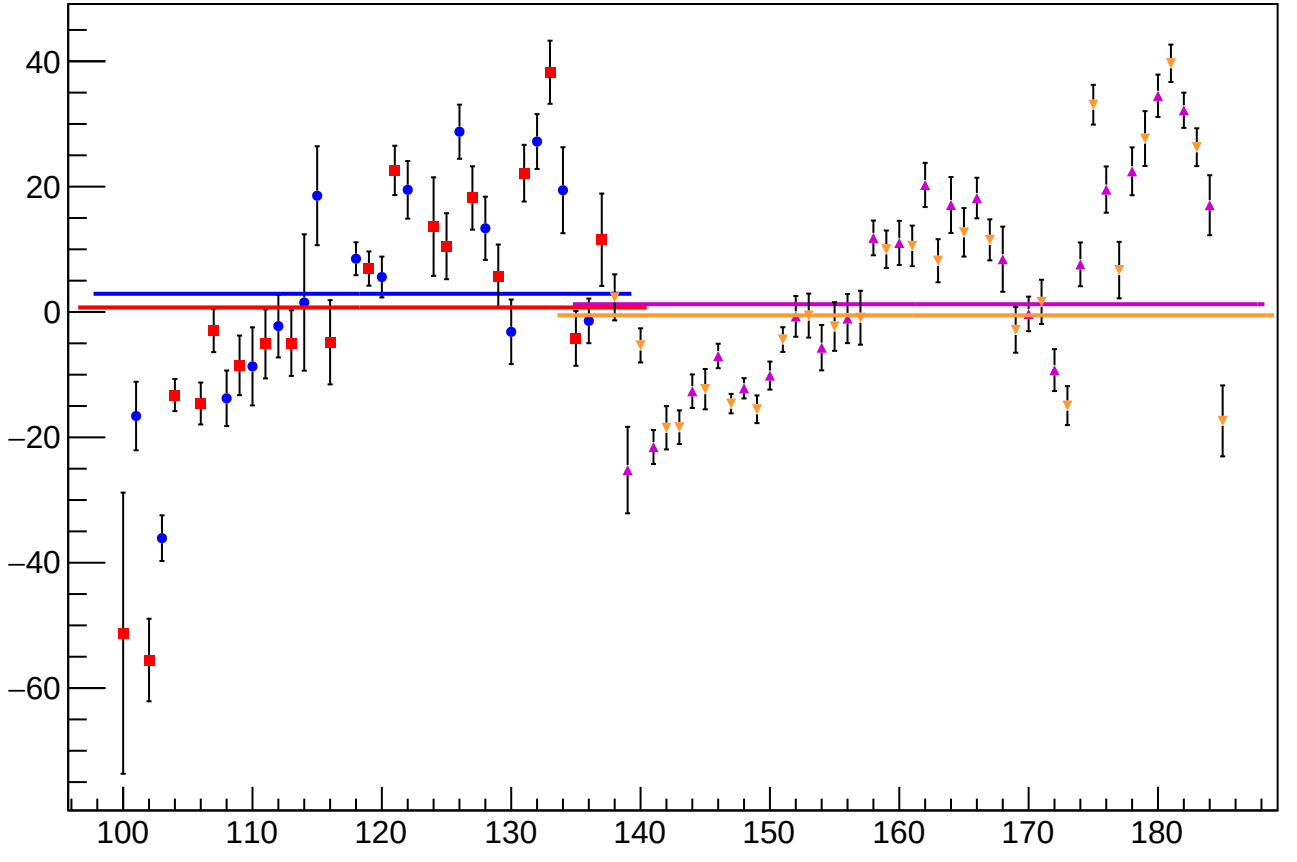
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 176.866+/-0.656 χ^2/NDF: 4040.2/40

All: 174.081+/-0.460 χ^2/NDF: 8349.1/82

- 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: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

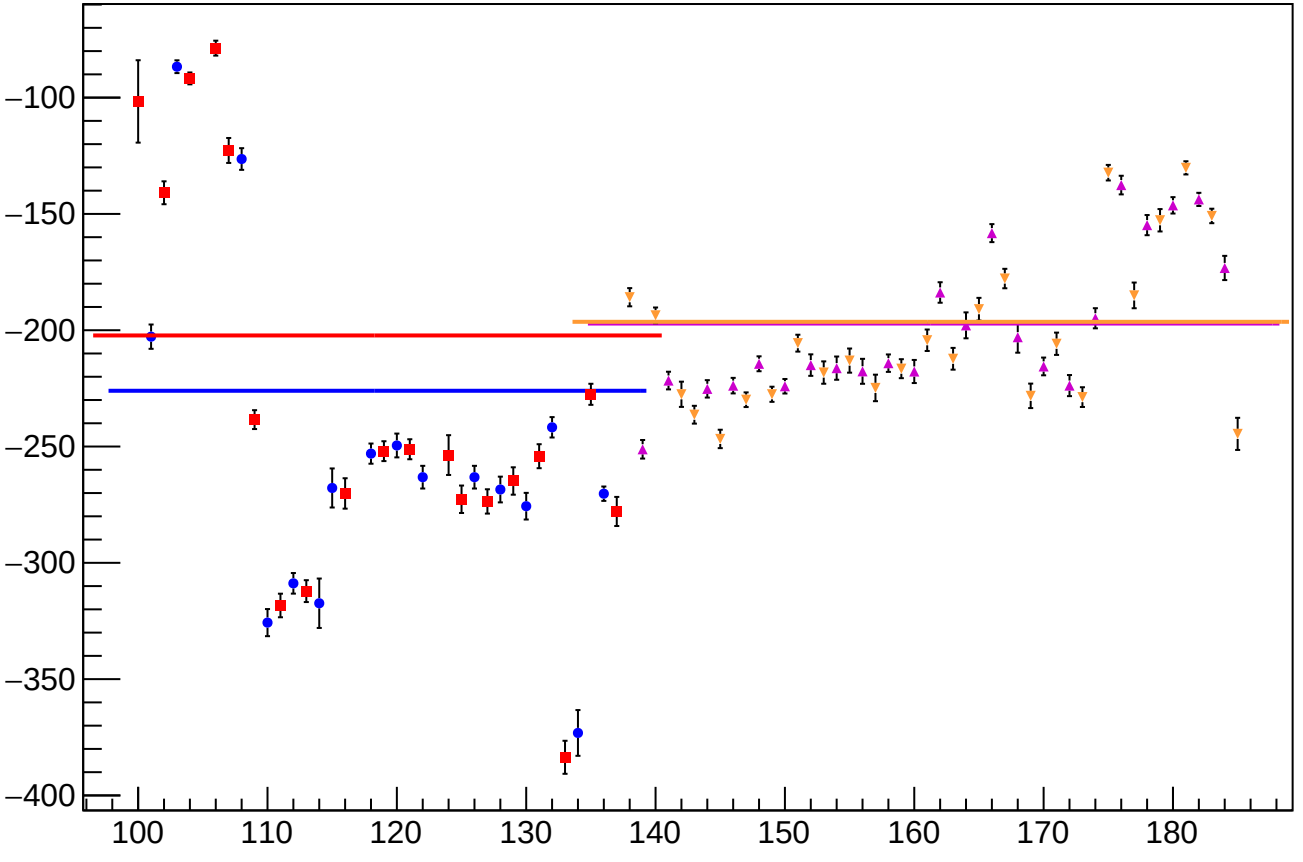
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign 0.260+/-0.528 χ^2/NDF: 979.4/40

All: 0.677+/-0.375 χ^2/NDF: 1875.0/82

- 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: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

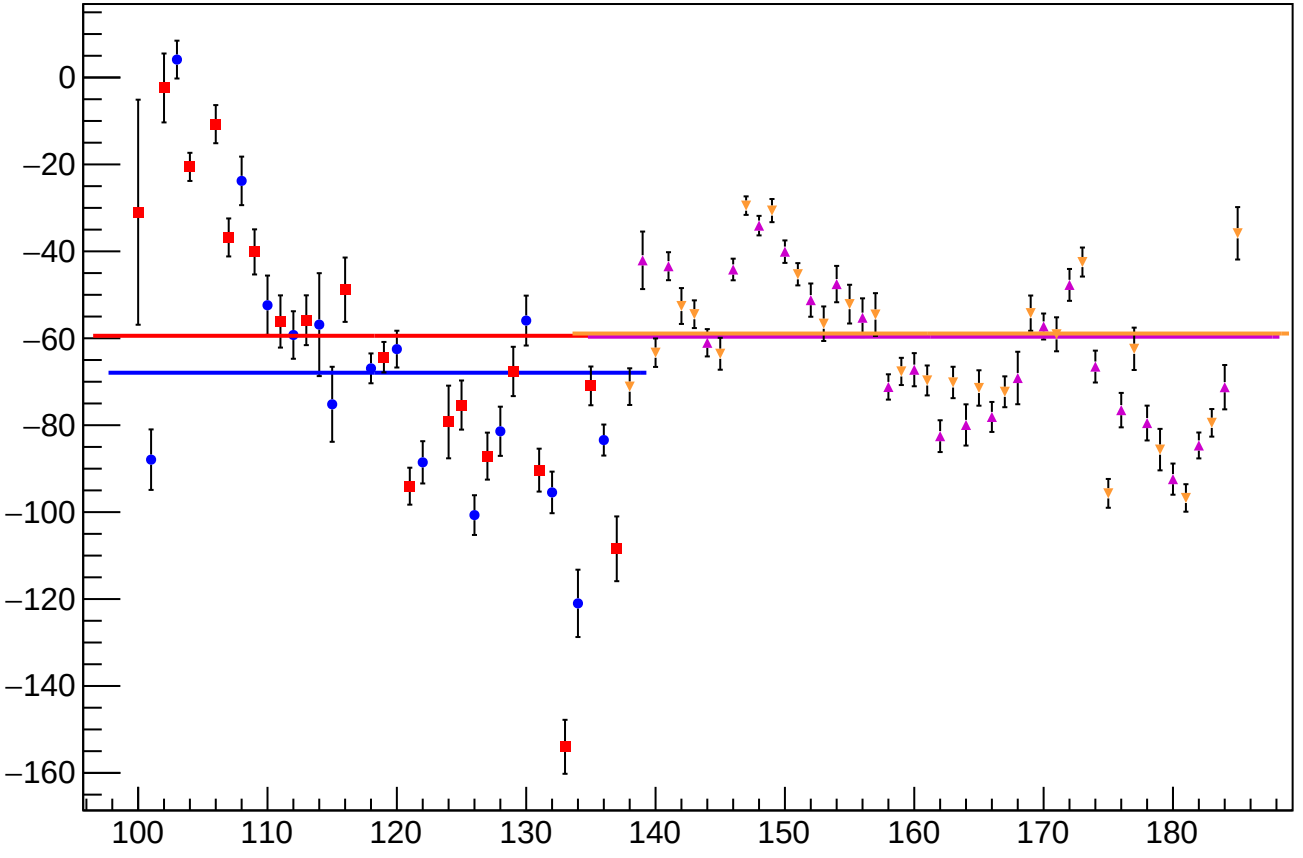
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -206.022+/-0.670 χ^2/NDF: 6966.3/40

All: -202.491+/-0.471 χ^2/NDF: 15327.5/82

- 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: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

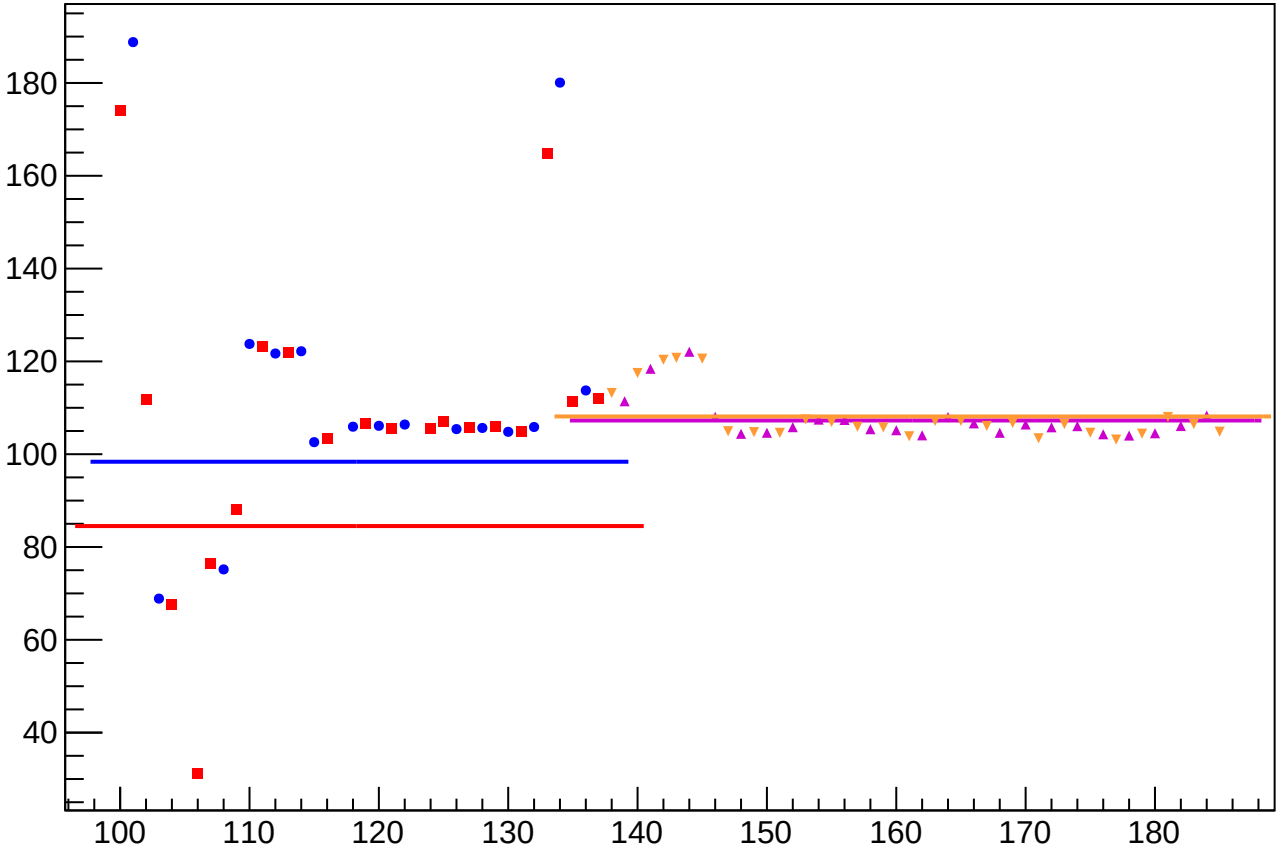
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -60.967+/-0.610 χ^2/NDF: 1355.0/40

All: -60.278+/-0.433 χ^2/NDF: 2749.4/82

- sign -59.581+/-0.614 χ^2/NDF: 1391.9/41

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

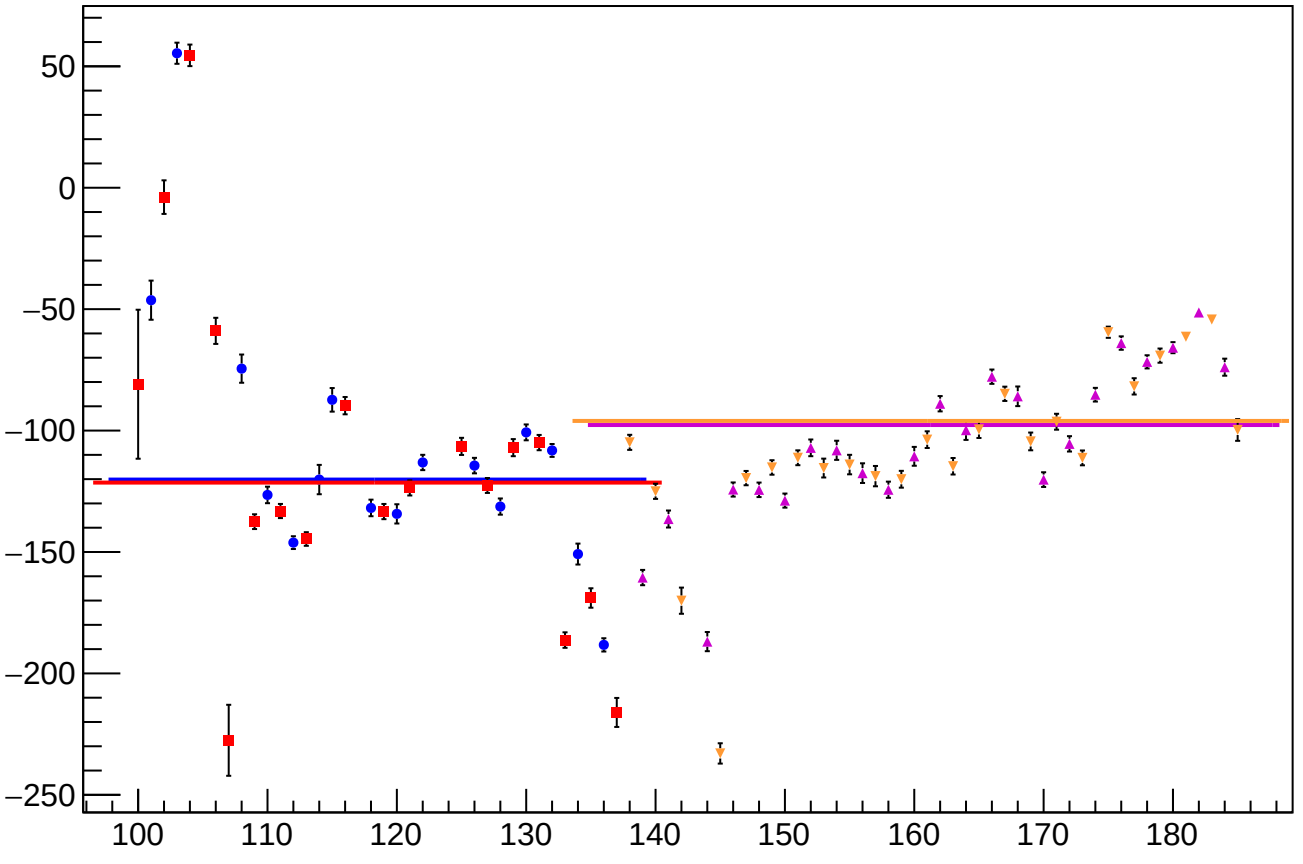
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.238+/-0.029 χ^2/NDF: 272428.7/40

All: 104.153+/-0.021 χ^2/NDF: 677271.6/82

- 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: -96.026+/-0.635 χ^2/NDF:2770.9/23

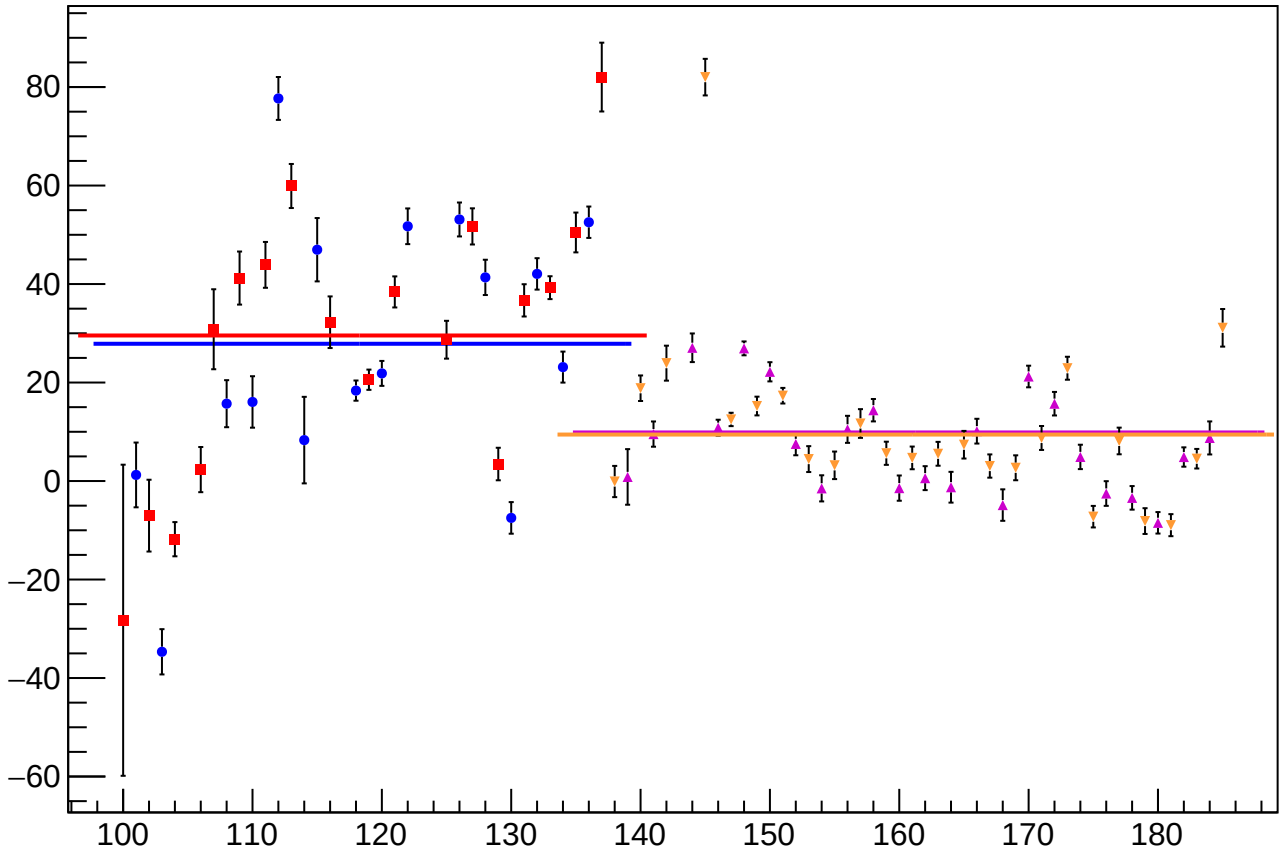
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -104.164+/-0.517 χ^2/NDF: 5949.7/39

All: -105.057+/-0.365 χ^2/NDF: 12201.6/80

- 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: 9.438+/-0.478 χ^2/NDF:736.4/23

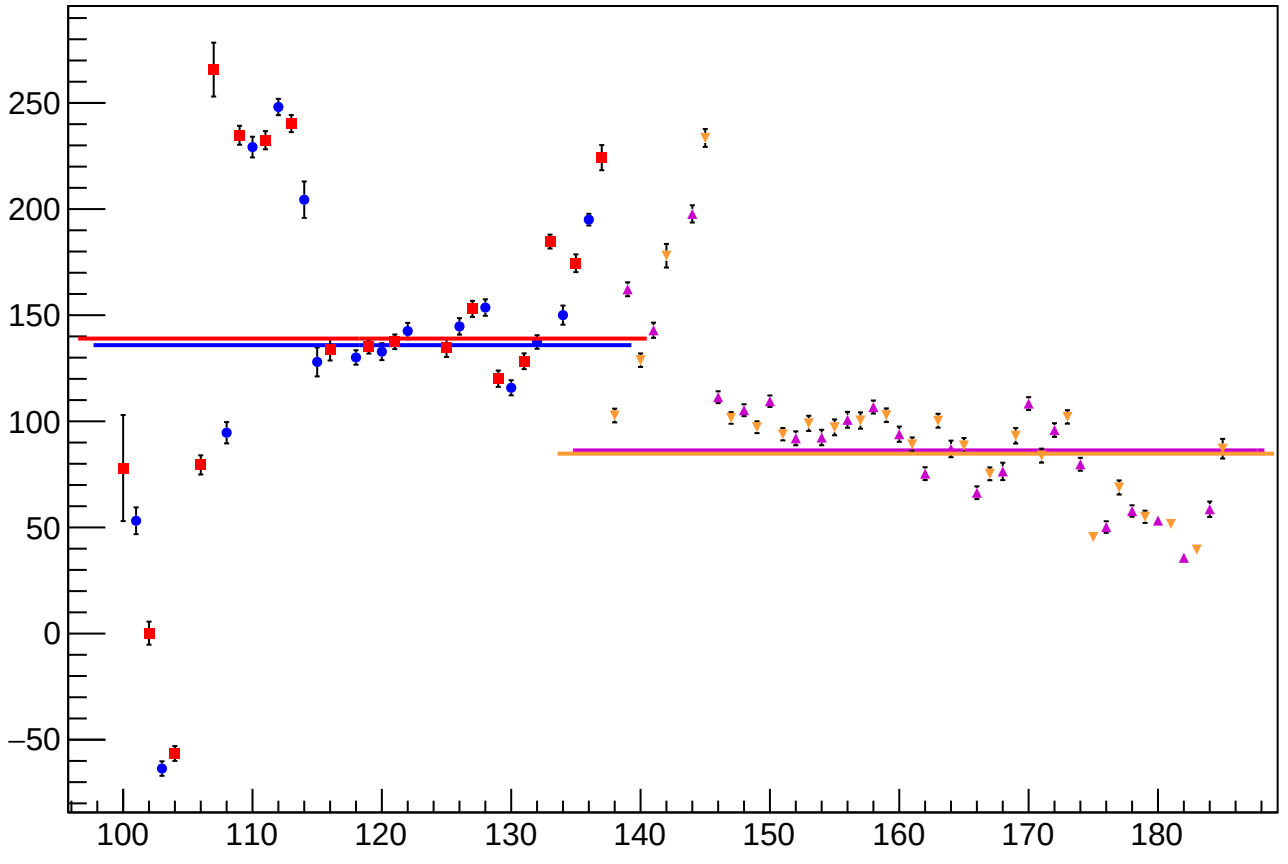
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.578+/-0.421 χ^2/NDF: 1770.0/39

All: 13.982+/-0.300 χ^2/NDF: 3131.7/80

- sign 14.398+/-0.427 χ^2/NDF: 1359.8/40



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

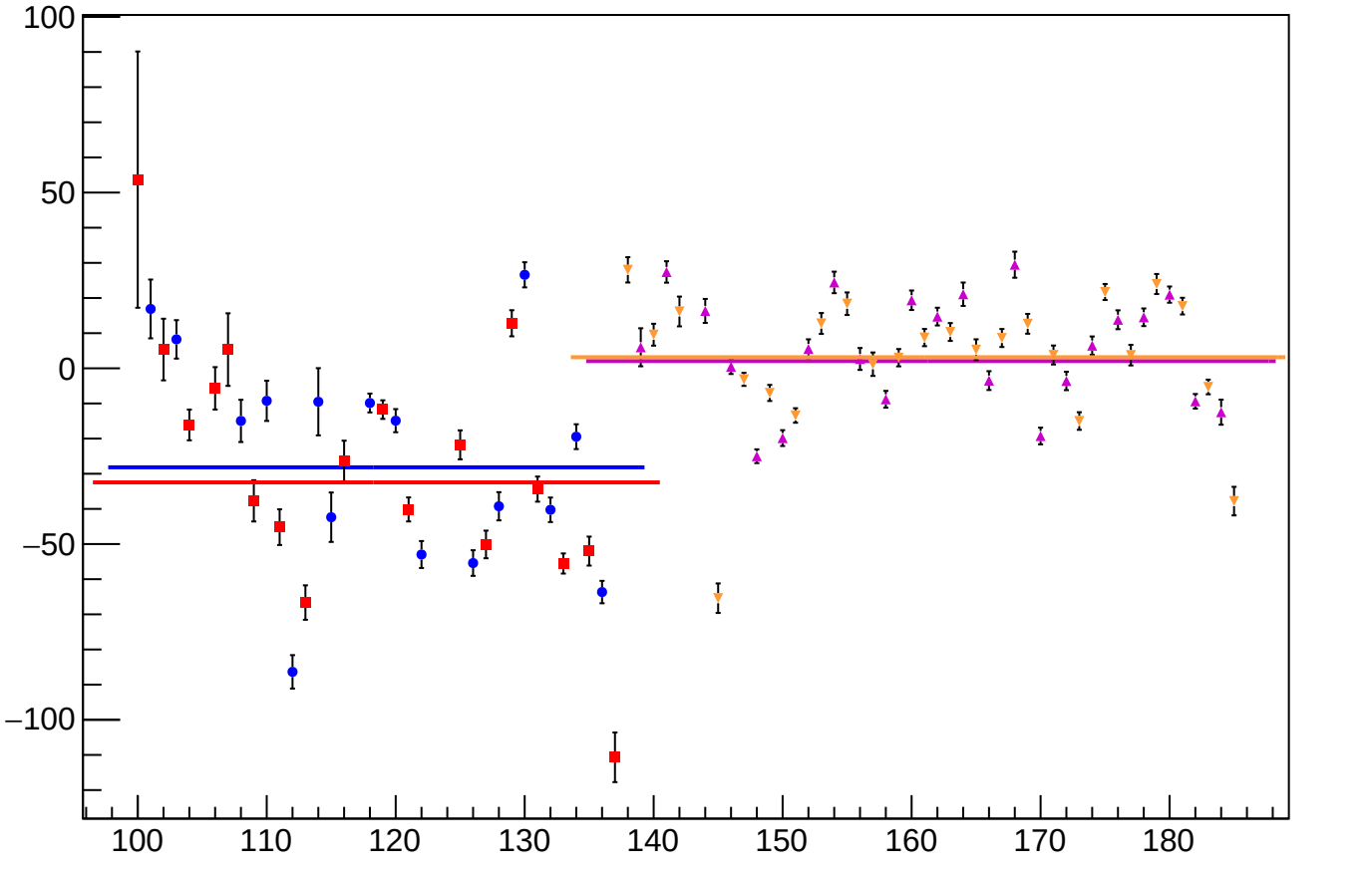
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 99.287+/-0.532 χ^2/NDF: 10450.6/39

All: 100.325+/-0.377 χ^2/NDF: 21756.1/80

\- 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: 3.151+/-0.544 χ^2/NDF:813.9/23

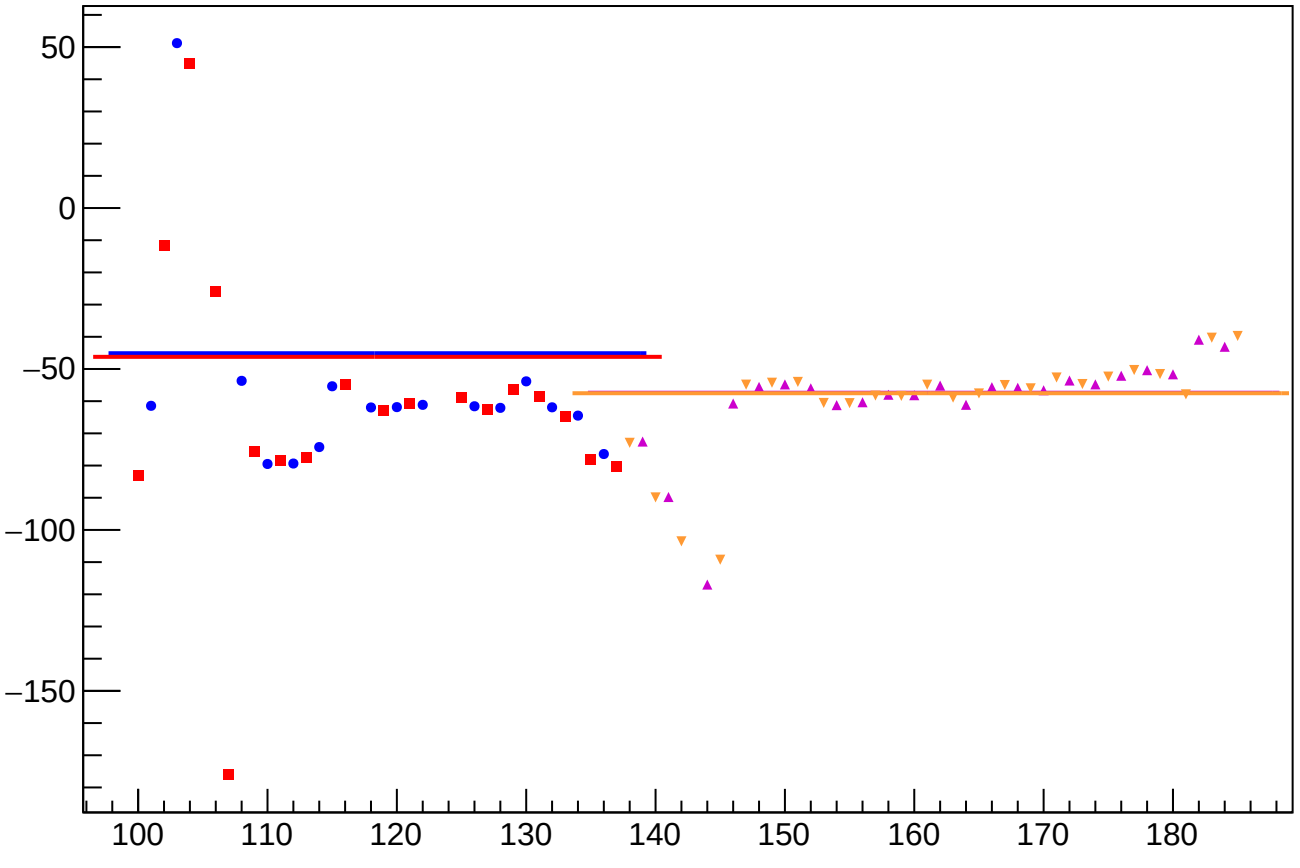
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.758+/-0.480 χ^2/NDF: 2337.1/39

All: -4.697+/-0.341 χ^2/NDF: 4652.7/80

- 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: -57.532+/-0.025 χ^2/NDF:267030.7/23

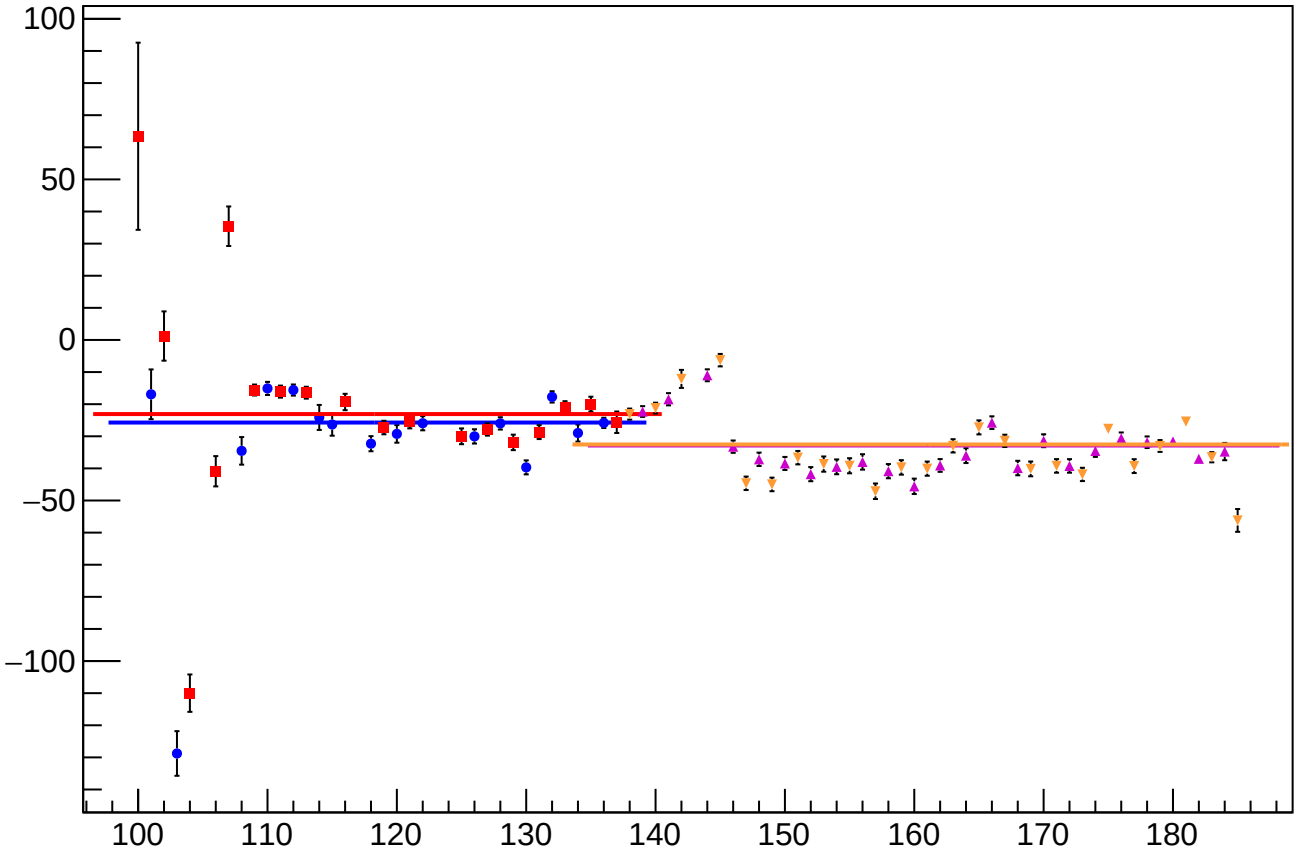
Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.730+/-0.023 χ^2/NDF: 878724.9/39

All: -55.799+/-0.016 χ^2/NDF: 1626931.5/80

- sign -55.869+/-0.023 χ^2/NDF: 748188.4/40



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

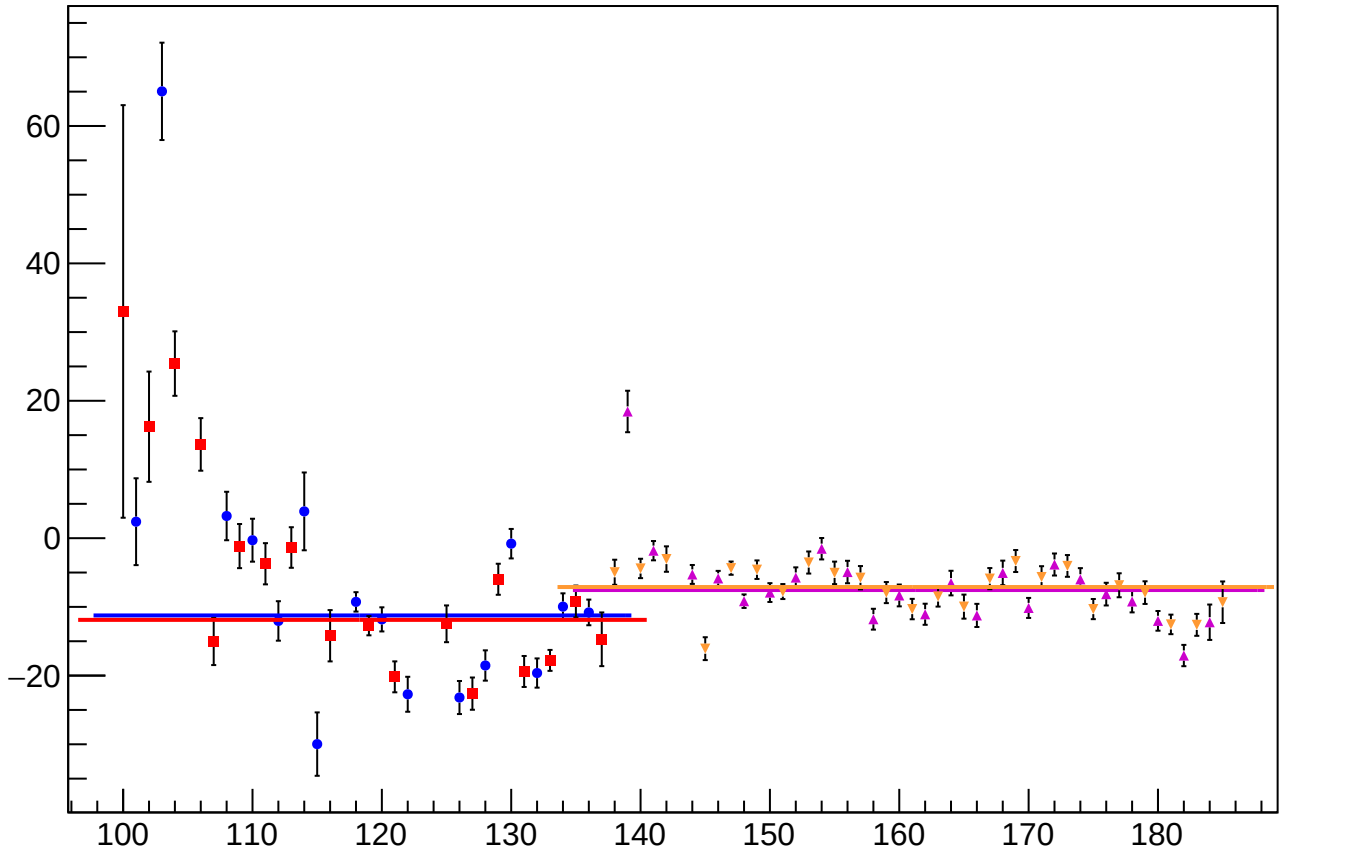
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

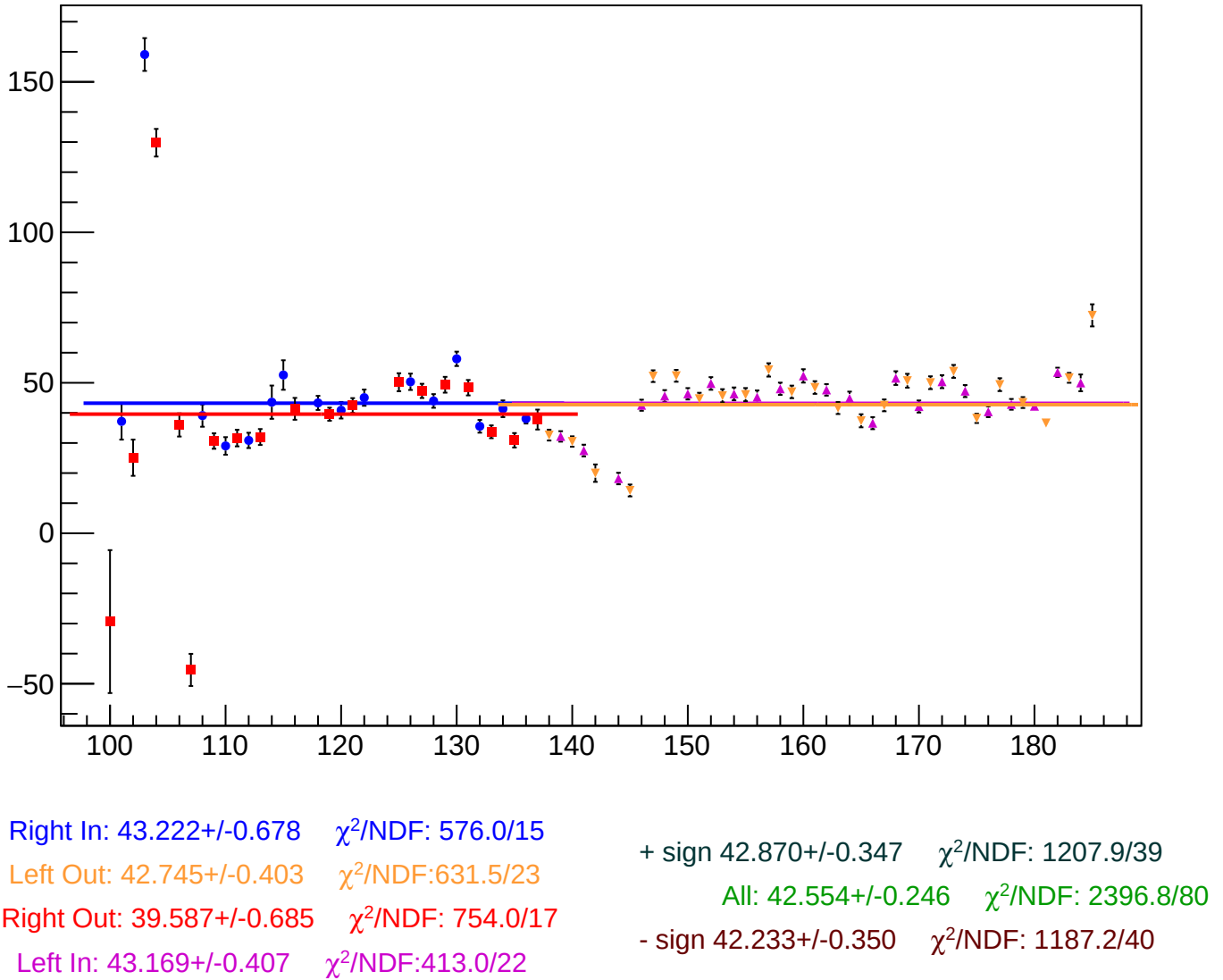
Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

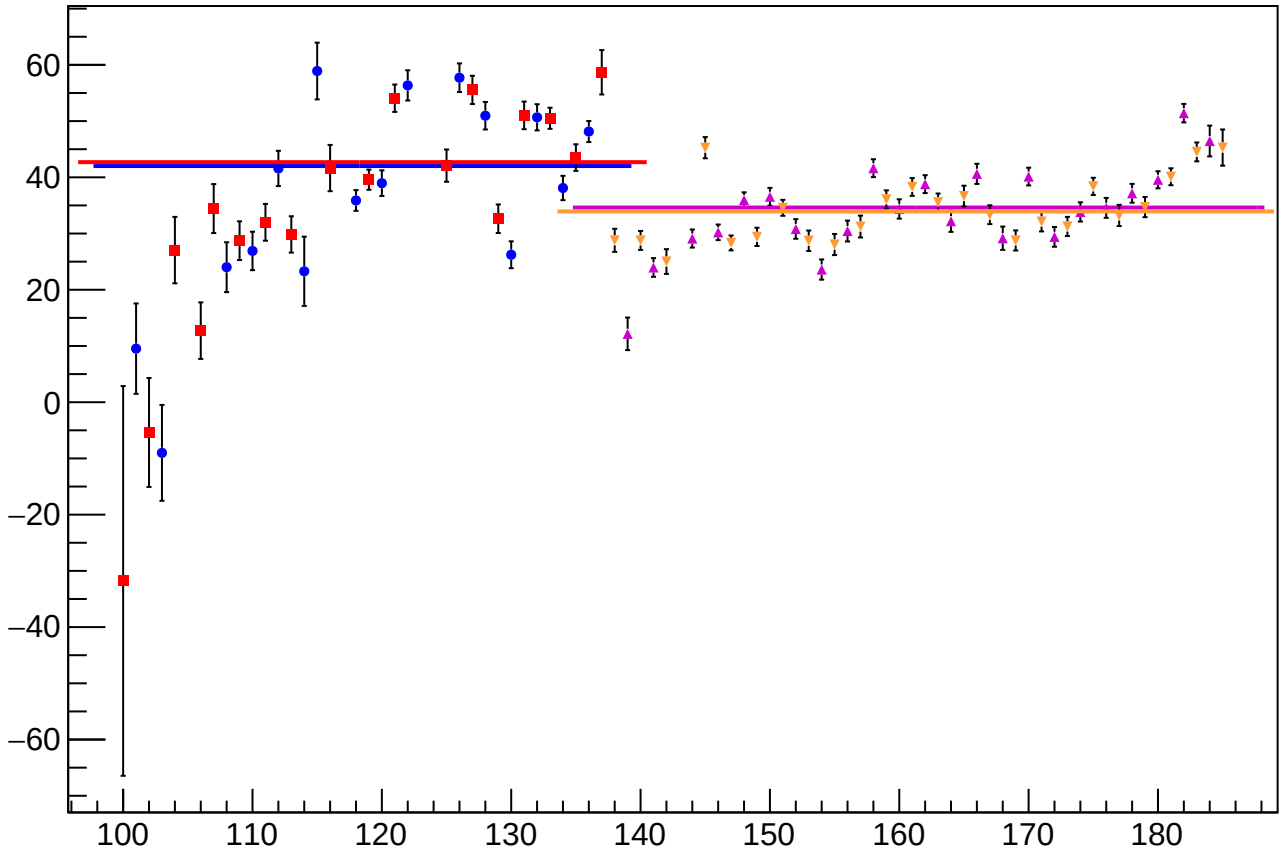
+ sign -30.352+/-0.335 χ^2/NDF: 1057.3/39

All: -29.980+/-0.237 χ^2/NDF: 2058.8/80

- sign -29.605+/-0.336 χ^2/NDF: 999.0/40


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -7.110+/-0.309 χ²/NDF:109.5/23
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -7.547+/-0.315 χ²/NDF:199.7/22
+ sign -7.978+/-0.275 χ²/NDF: 418.1/39
All: -8.219+/-0.196 χ²/NDF: 884.2/80
- sign -8.469+/-0.280 χ²/NDF: 464.5/40


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: 43.222+/-0.678 χ²/NDF: 576.0/15
Left Out: 42.745+/-0.403 χ²/NDF:631.5/23
Right Out: 39.587+/-0.685 χ²/NDF: 754.0/17
Left In: 43.169+/-0.407 χ²/NDF:413.0/22
+ sign 42.870+/-0.347 χ²/NDF: 1207.9/39
All: 42.554+/-0.246 χ²/NDF: 2396.8/80
- sign 42.233+/-0.350 χ²/NDF: 1187.2/40



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

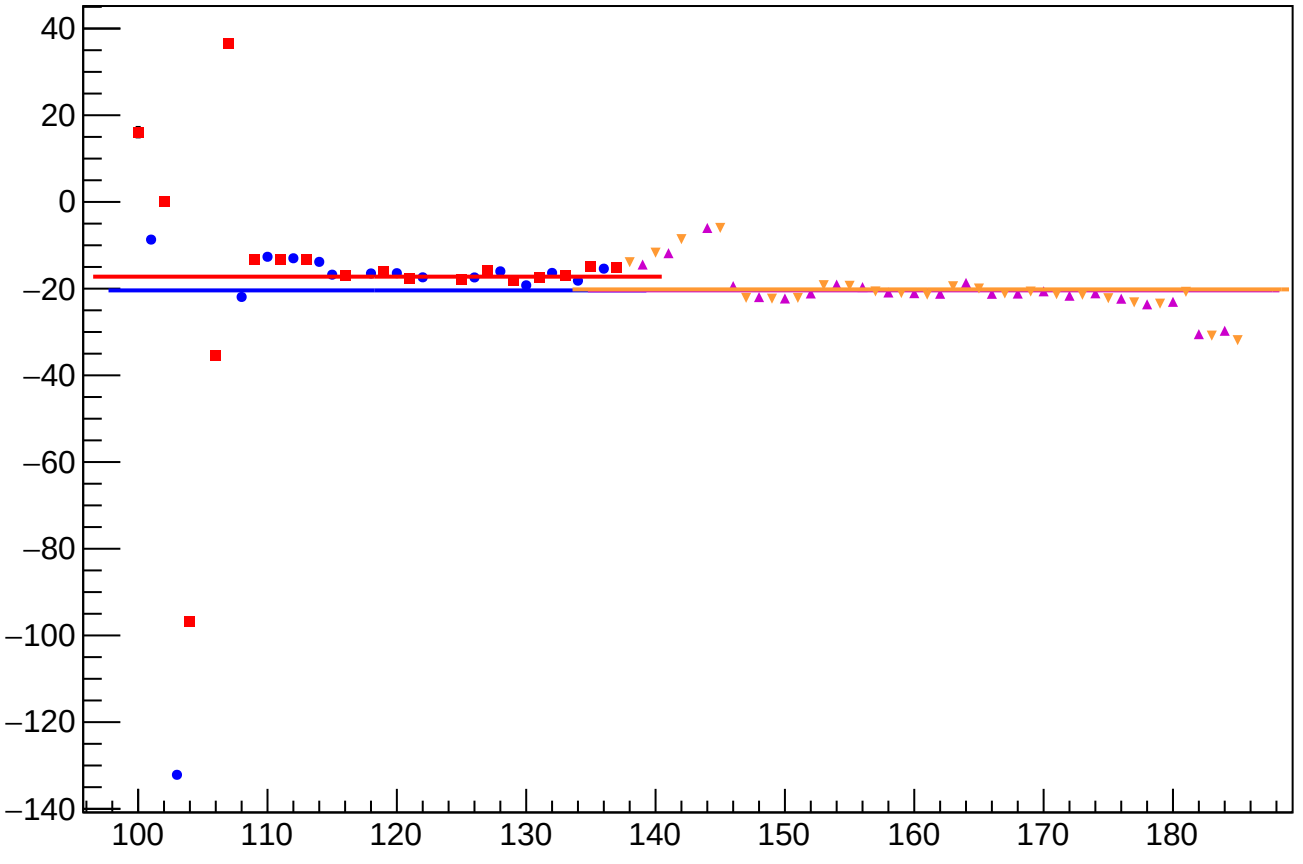
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 35.613+/-0.312 χ^2/NDF: 599.7/39

All: 35.953+/-0.222 χ^2/NDF: 1315.4/80

- sign 36.304+/-0.317 χ^2/NDF: 713.3/40



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

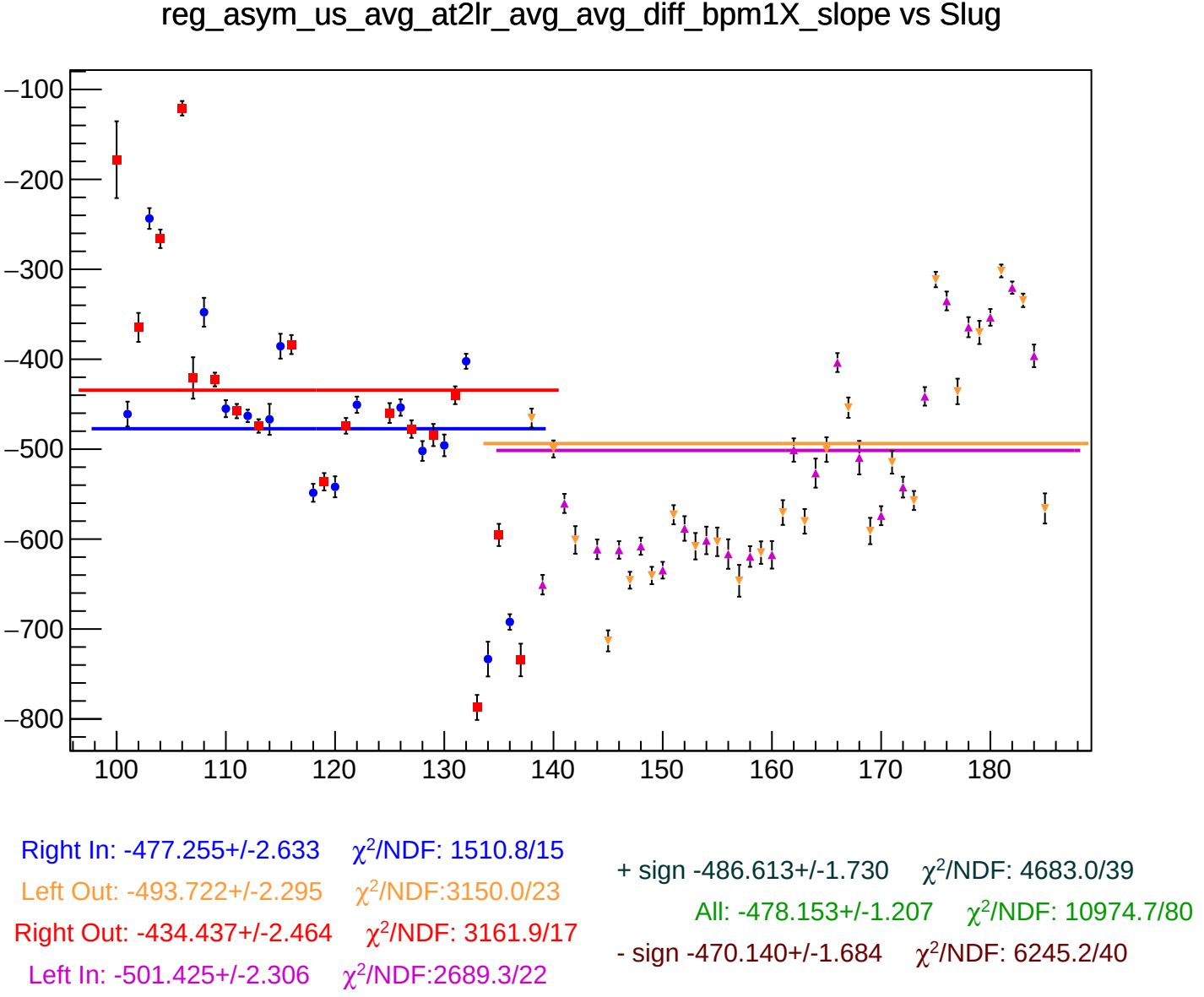
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

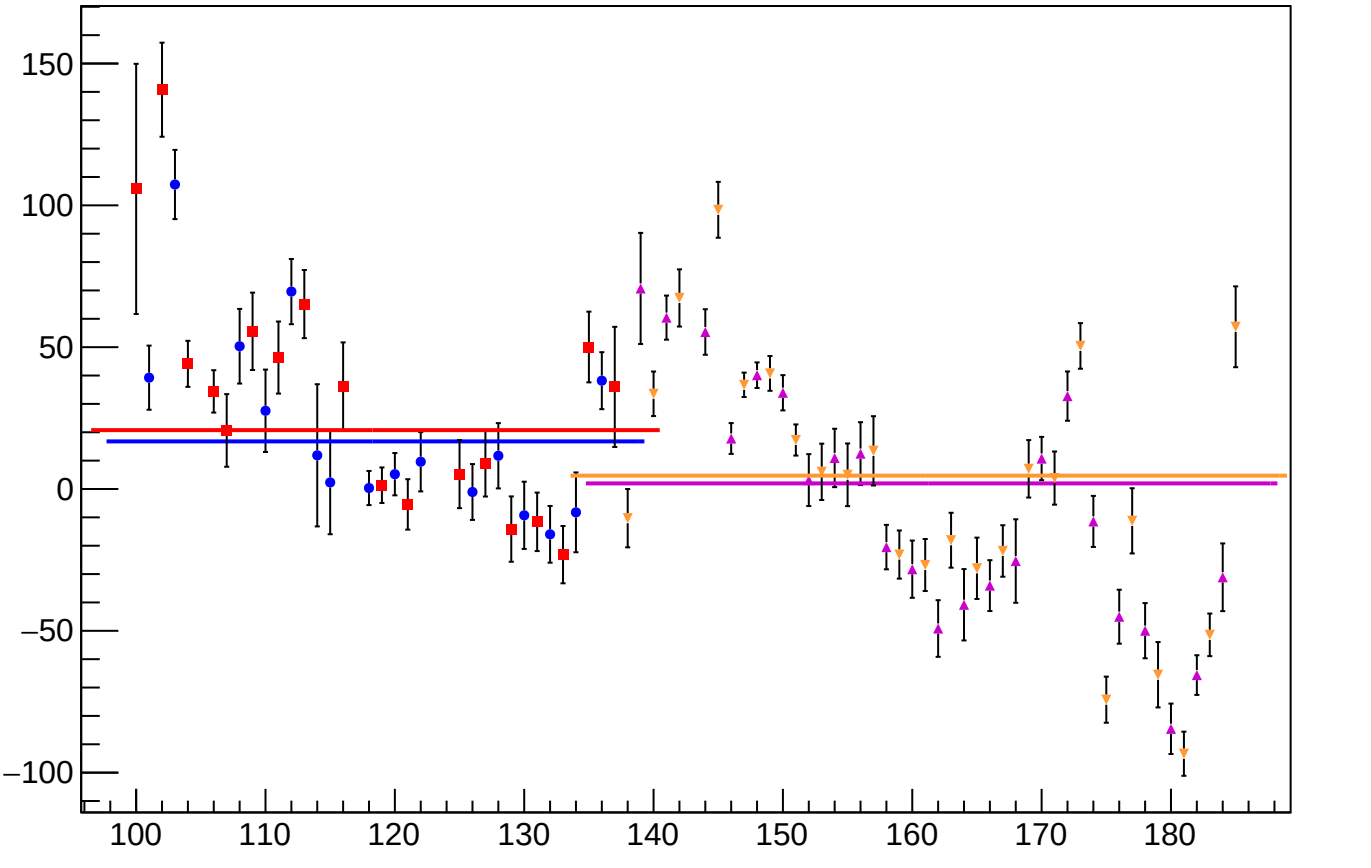
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -20.202+/-0.015 χ^2/NDF: 345585.7/39

All: -20.120+/-0.010 χ^2/NDF: 636012.1/80

- sign -20.037+/-0.015 χ^2/NDF: 290364.1/40


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
160
170
180
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -493.722+/-2.295 χ²/NDF:3150.0/23
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
+ sign -486.613+/-1.730 χ²/NDF: 4683.0/39
All: -478.153+/-1.207 χ²/NDF: 10974.7/80
- sign -470.140+/-1.684 χ²/NDF: 6245.2/40



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

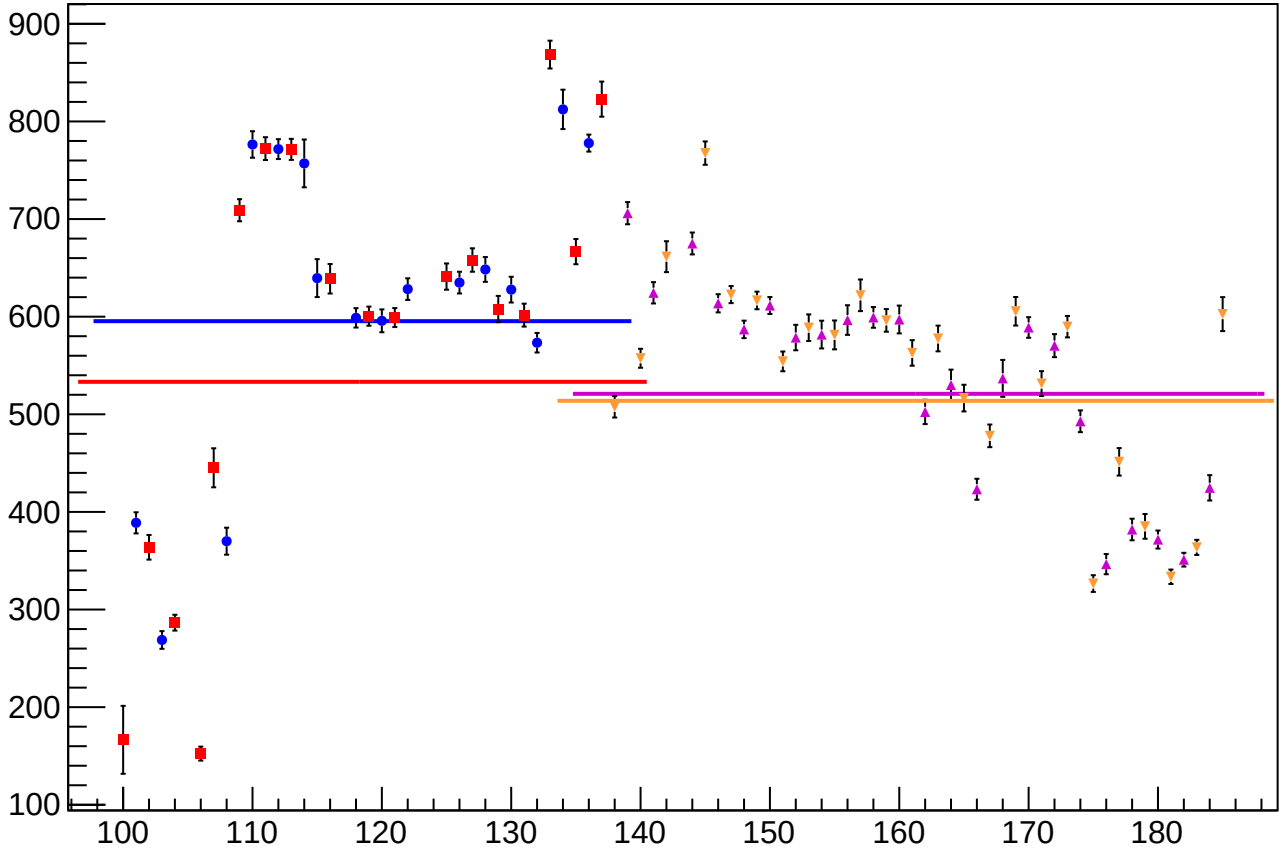
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 8.207+/-1.429 χ^2/NDF: 820.0/39

All: 8.032+/-1.010 χ^2/NDF: 1576.0/80

- sign 7.856+/-1.427 χ^2/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: 513.833+/-2.277 χ^2/NDF:2735.5/23

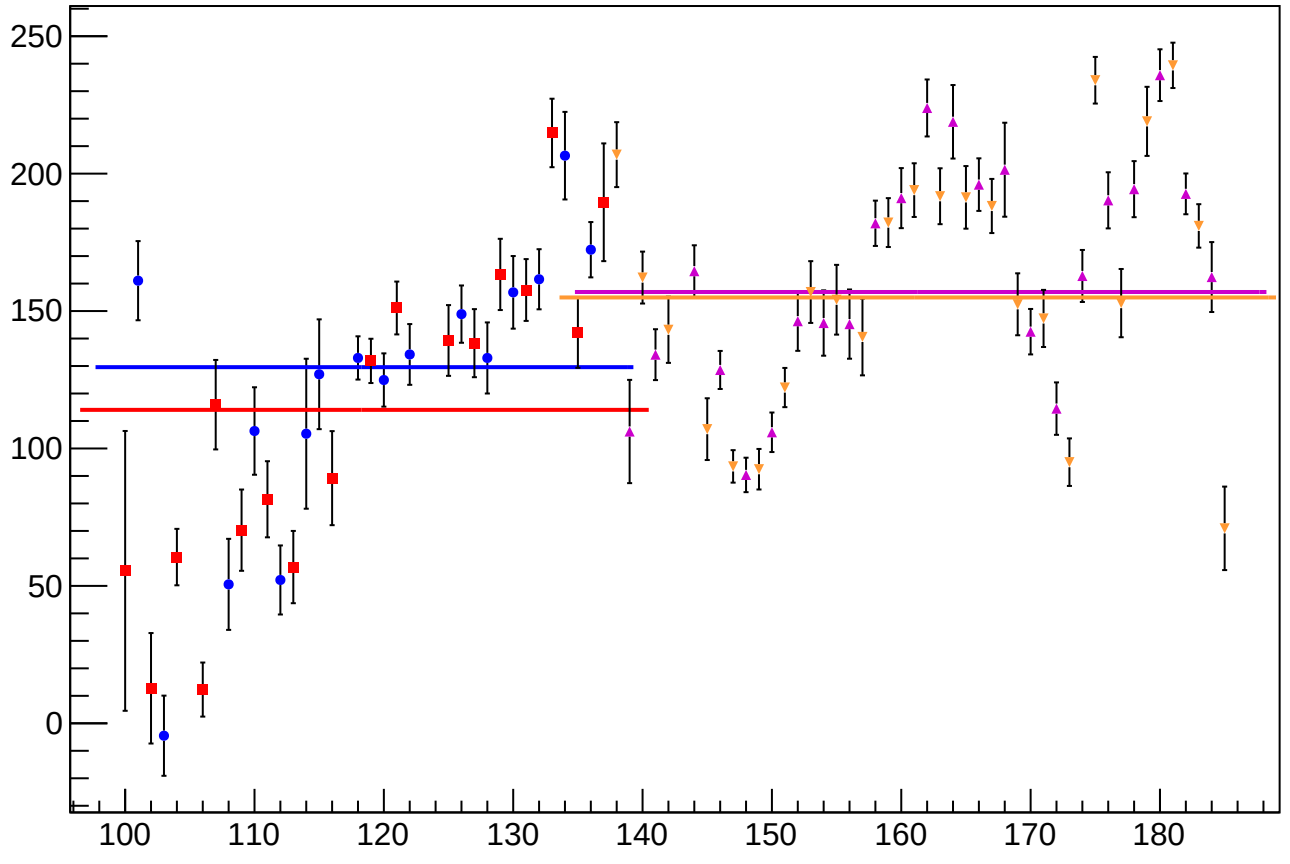
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 544.551+/-1.798 χ^2/NDF: 6278.6/39

All: 535.063+/-1.256 χ^2/NDF: 15290.5/80

- 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: 154.944+/-1.953 χ^2/NDF:609.0/23

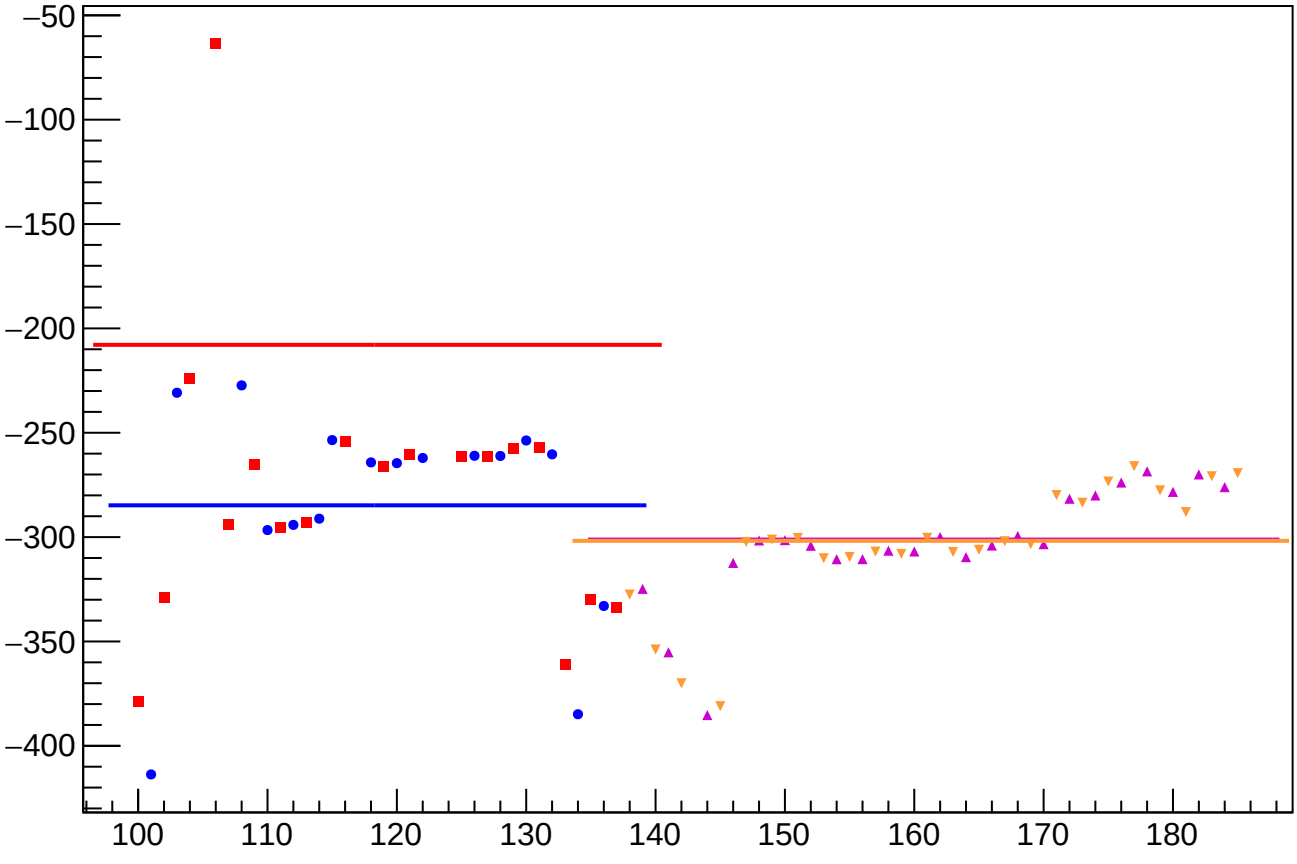
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 147.674+/-1.650 χ^2/NDF: 868.6/39

All: 145.759+/-1.164 χ^2/NDF: 1794.7/80

- 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: -301.785+/-0.091 χ^2/NDF:86719.4/23

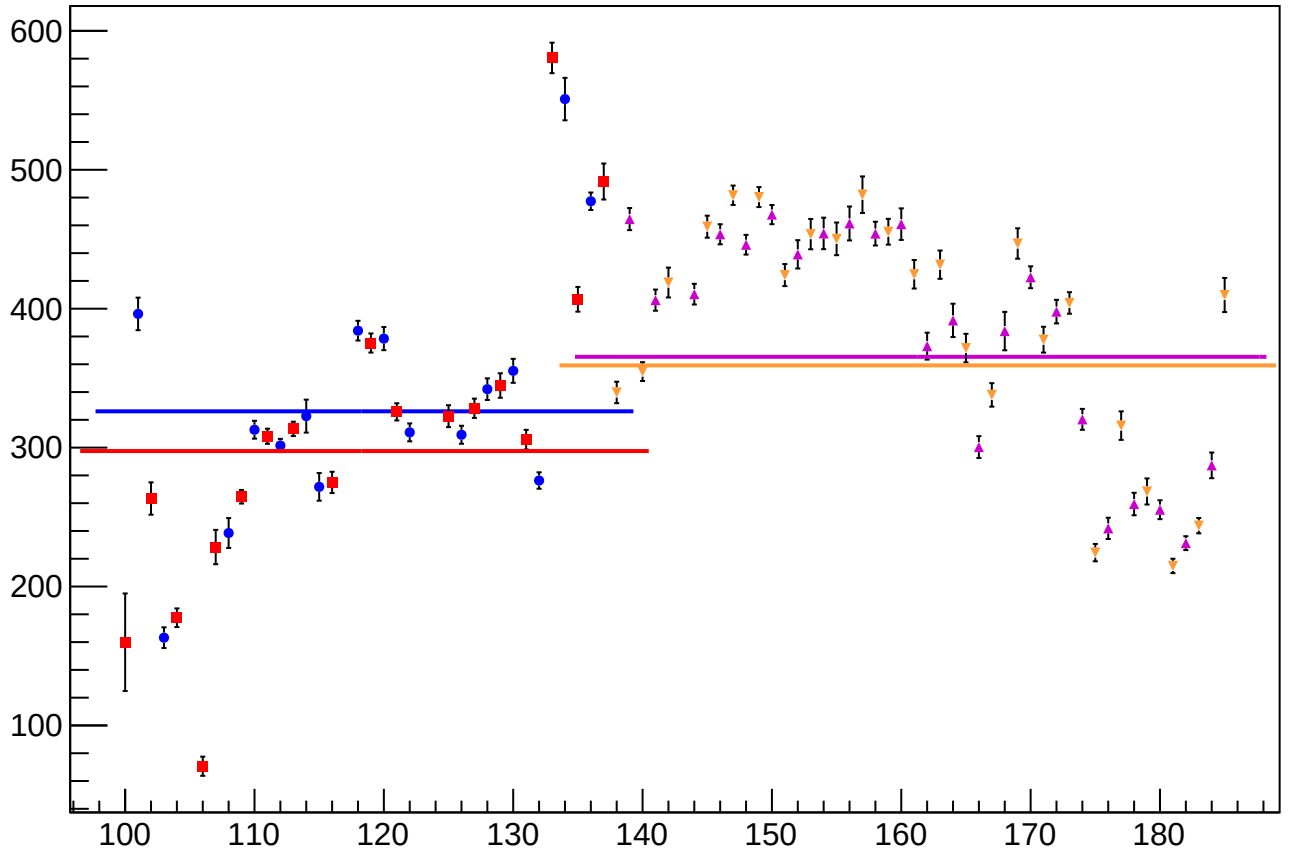
Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.257+/-0.081 χ^2/NDF: 198374.5/39

All: -286.690+/-0.056 χ^2/NDF: 1137174.3/80

- 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: 359.188+/-1.681 χ^2/NDF:3187.9/23

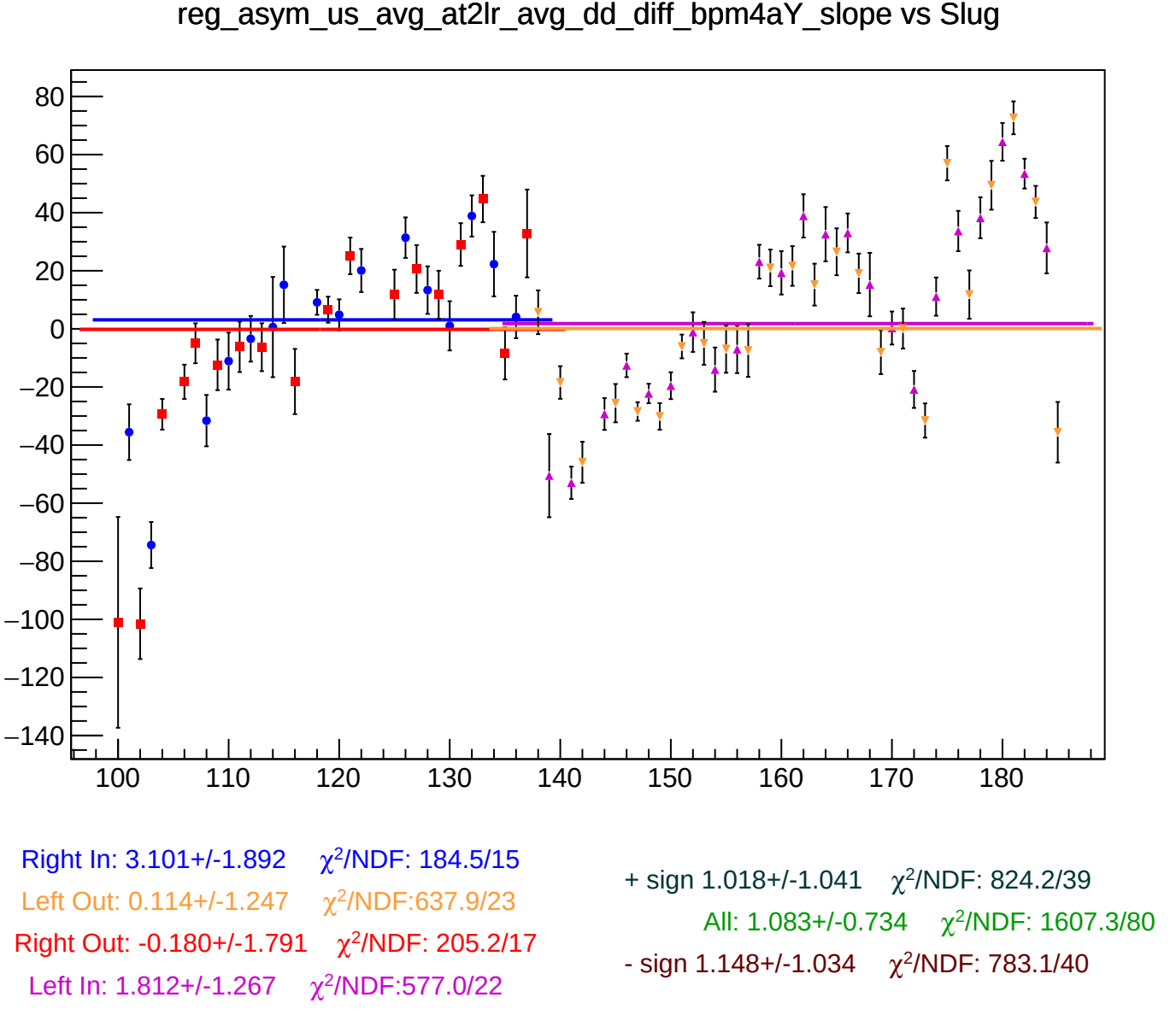
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

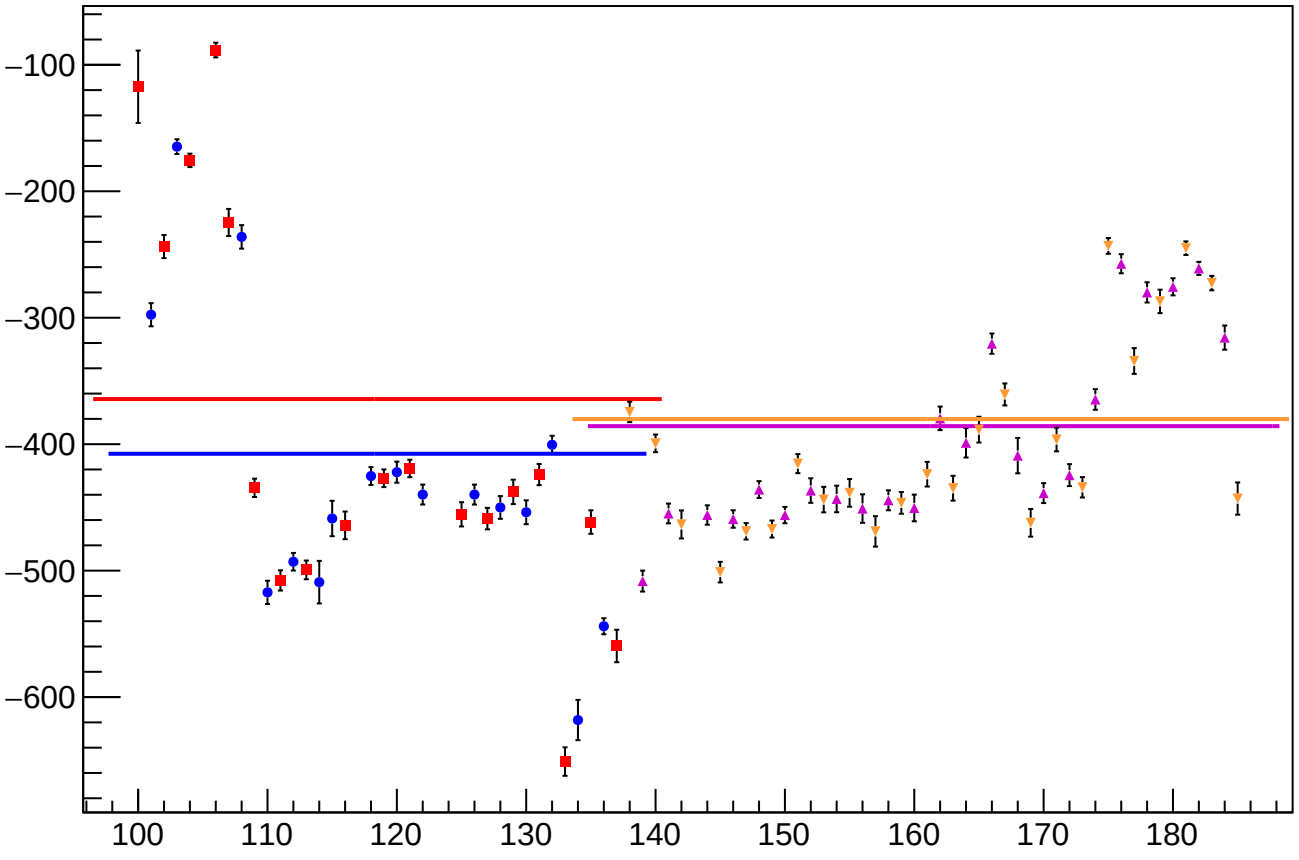
Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 344.297+/-1.246 χ^2/NDF: 5005.0/39

All: 338.121+/-0.869 χ^2/NDF: 11350.9/80

- sign 332.285+/-1.211 χ^2/NDF: 6298.1/40


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
Right In: 3.101+/-1.892 χ²/NDF: 184.5/15
Left Out: 0.114+/-1.247 χ²/NDF:637.9/23
Right Out: -0.180+/-1.791 χ²/NDF: 205.2/17
Left In: 1.812+/-1.267 χ²/NDF:577.0/22
+ sign 1.018+/-1.041 χ²/NDF: 824.2/39
All: 1.083+/-0.734 χ²/NDF: 1607.3/80
- sign 1.148+/-1.034 χ²/NDF: 783.1/40



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

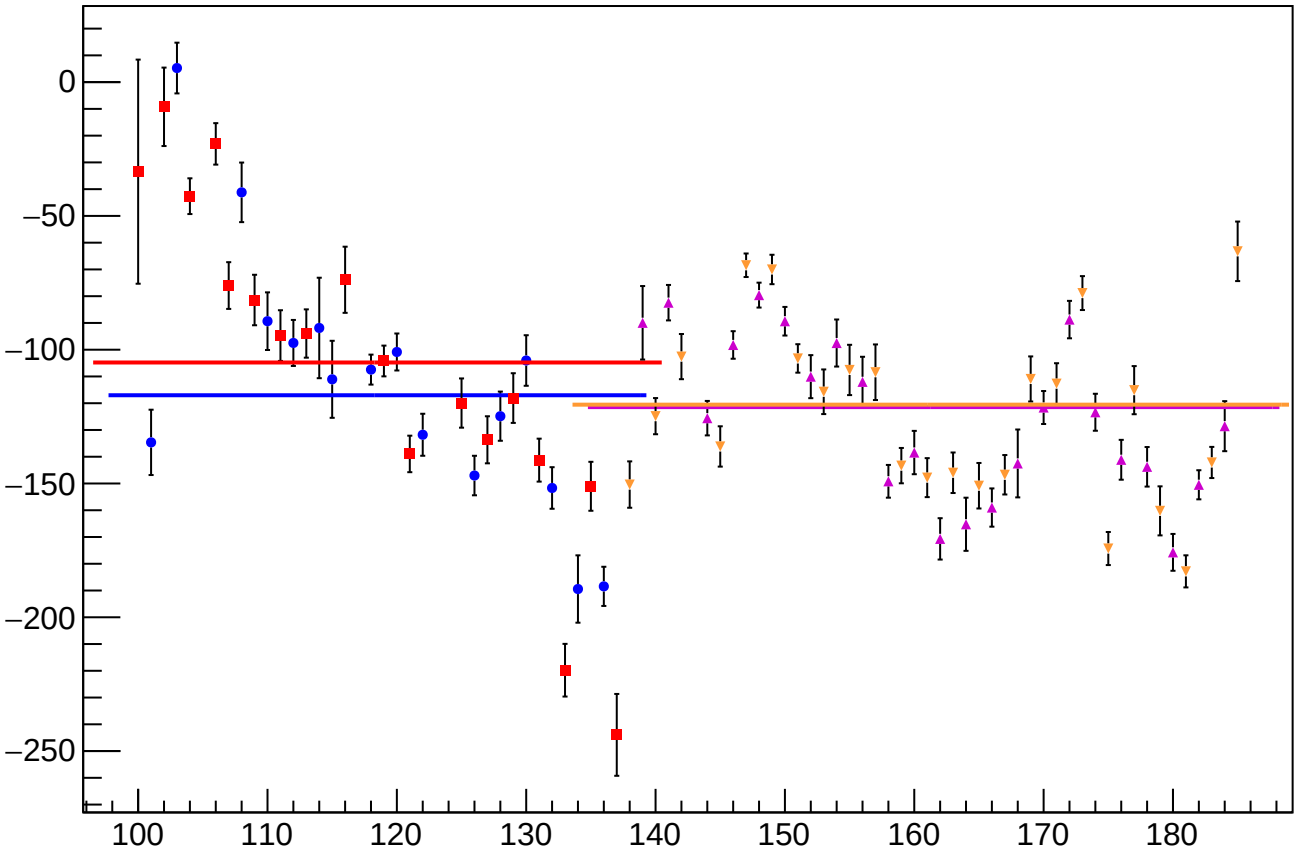
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

\+ sign -390.932+/-1.301 χ^2/NDF: 6005.3/39

All: -383.585+/-0.908 χ^2/NDF: 14718.8/80

\- 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: -120.541+/-1.435 χ^2/NDF:611.5/23

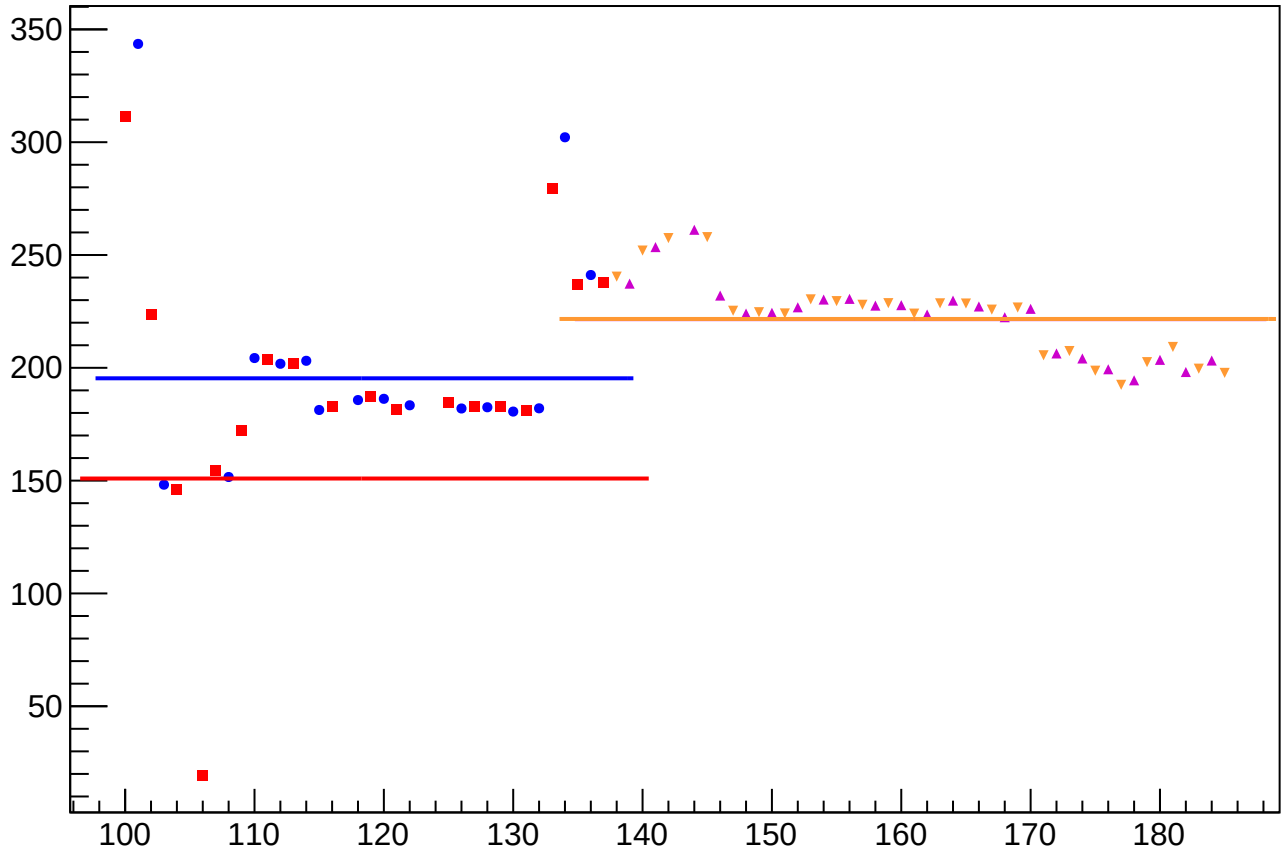
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -119.487+/-1.201 χ^2/NDF: 1021.1/39

All: -117.749+/-0.846 χ^2/NDF: 2075.9/80

- 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: 221.652+/-0.067 χ^2/NDF:67213.0/23

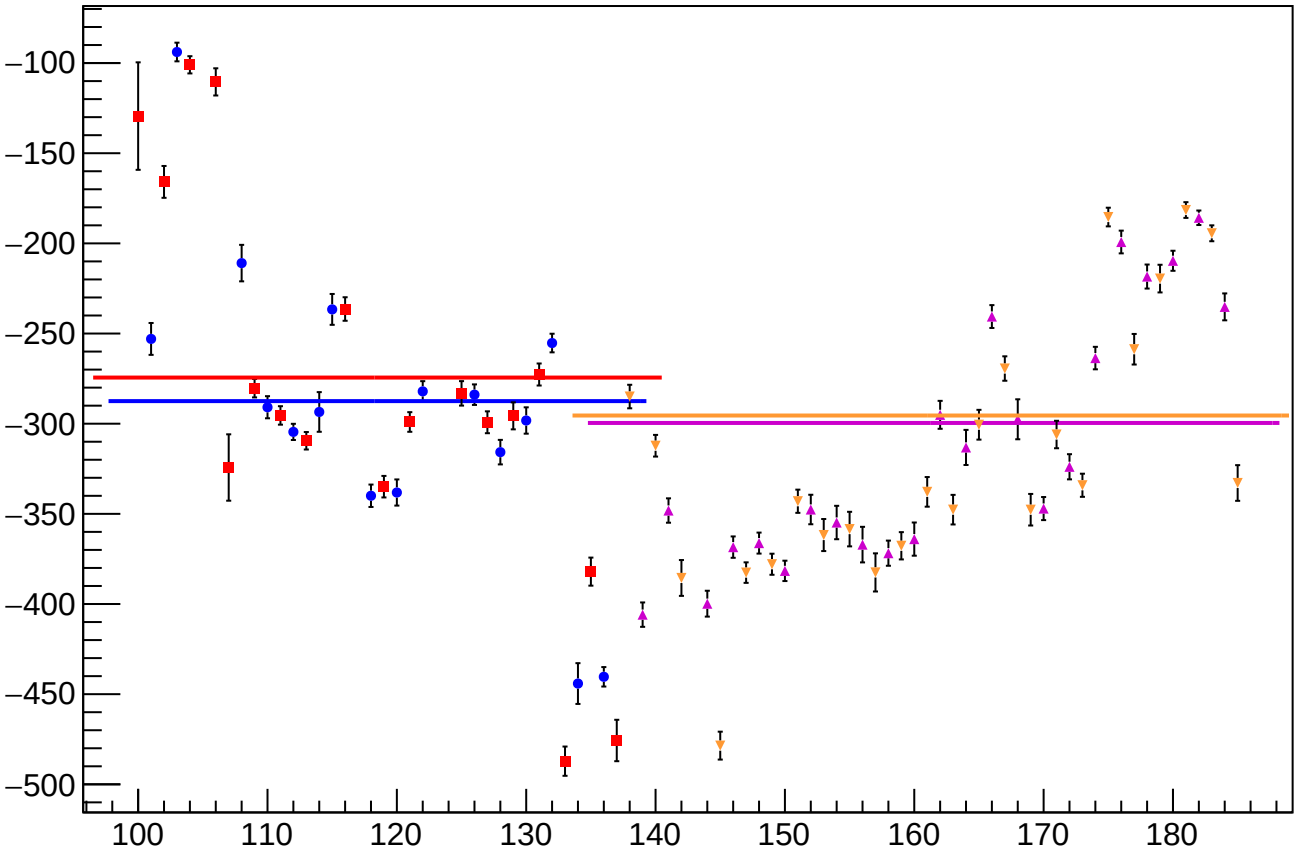
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 215.799+/-0.059 χ^2/NDF: 278812.2/39

All: 209.085+/-0.041 χ^2/NDF: 1167413.3/80

- sign 202.829+/-0.057 χ^2/NDF: 863406.4/40



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

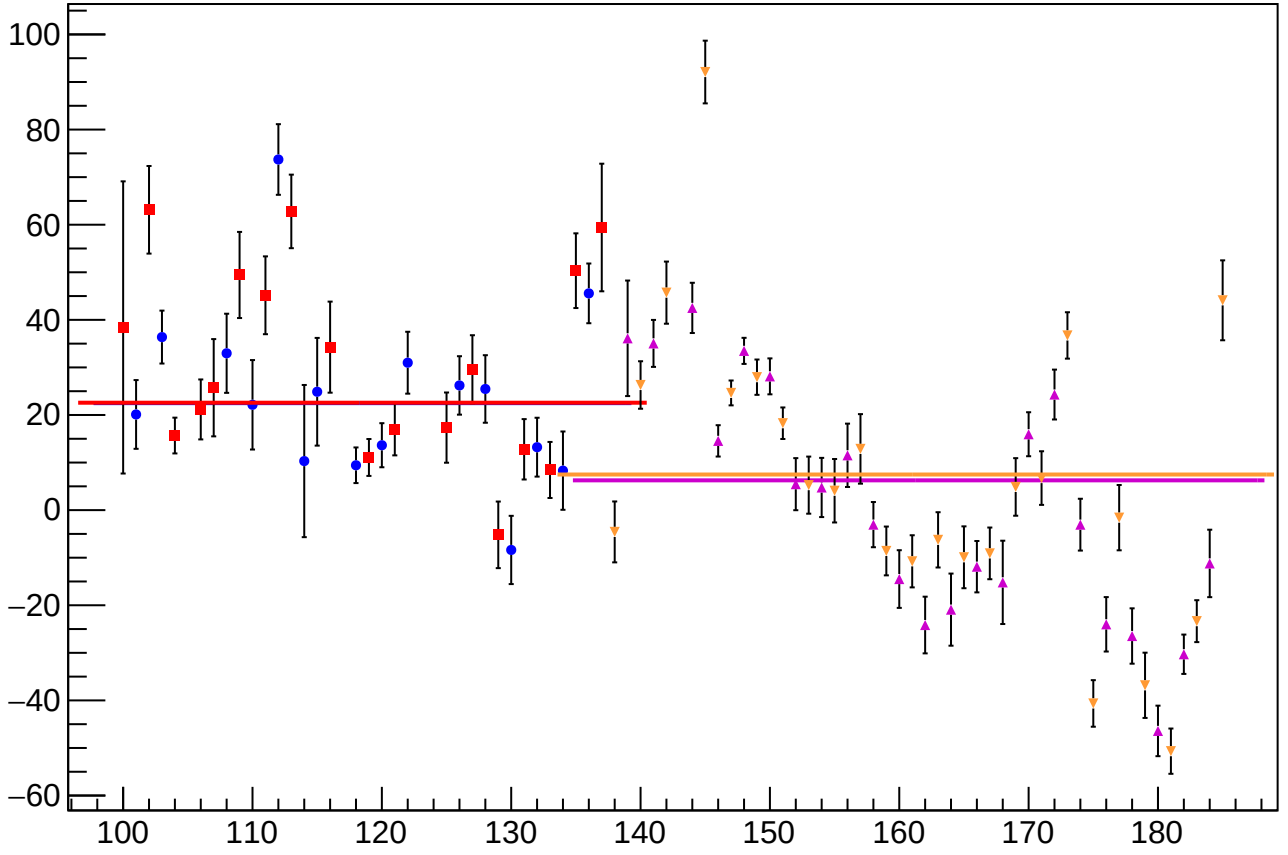
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -292.048+/-1.054 χ^2/NDF: 6056.9/39

All: -290.155+/-0.739 χ^2/NDF: 12593.7/80

- 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: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

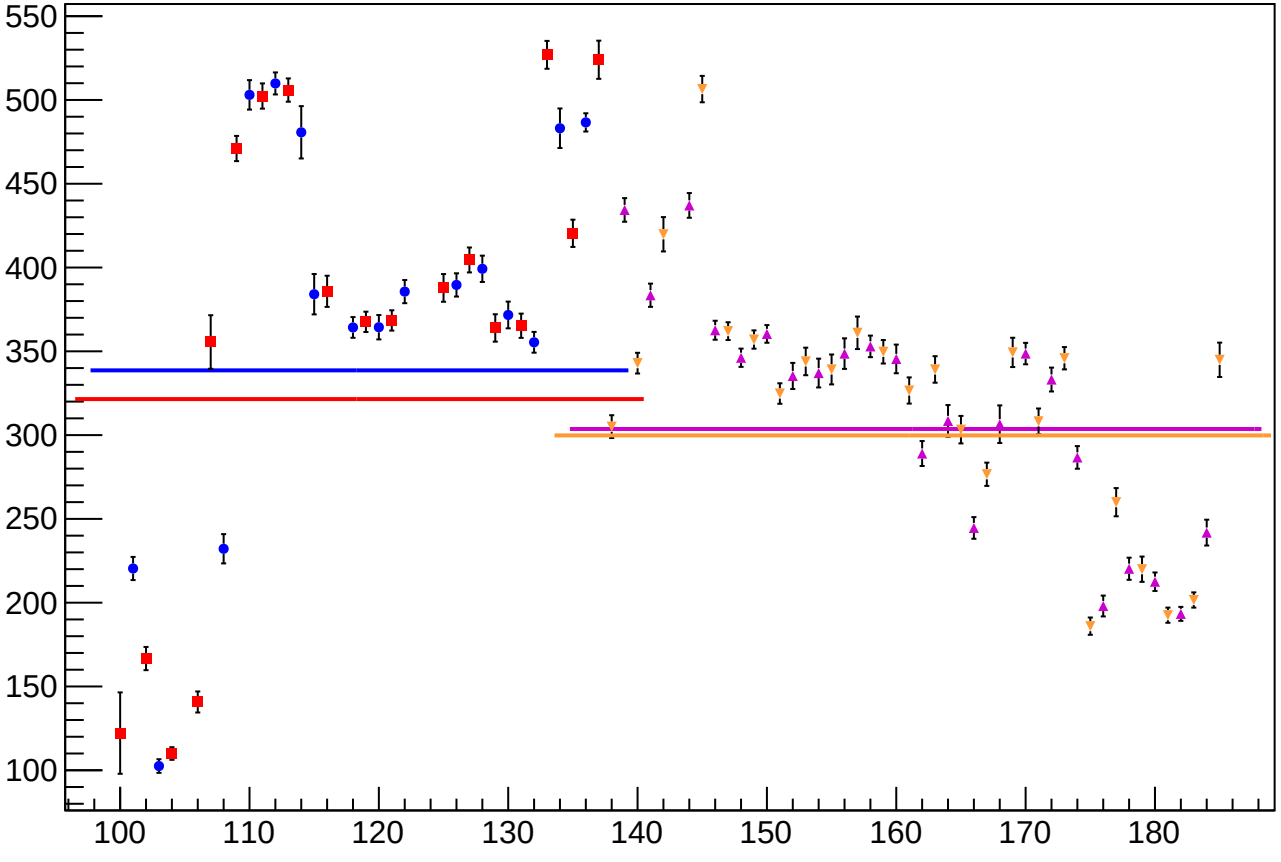
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 11.800+/-0.869 χ^2/NDF: 911.0/39

All: 11.536+/-0.615 χ^2/NDF: 1668.8/80

- 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: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

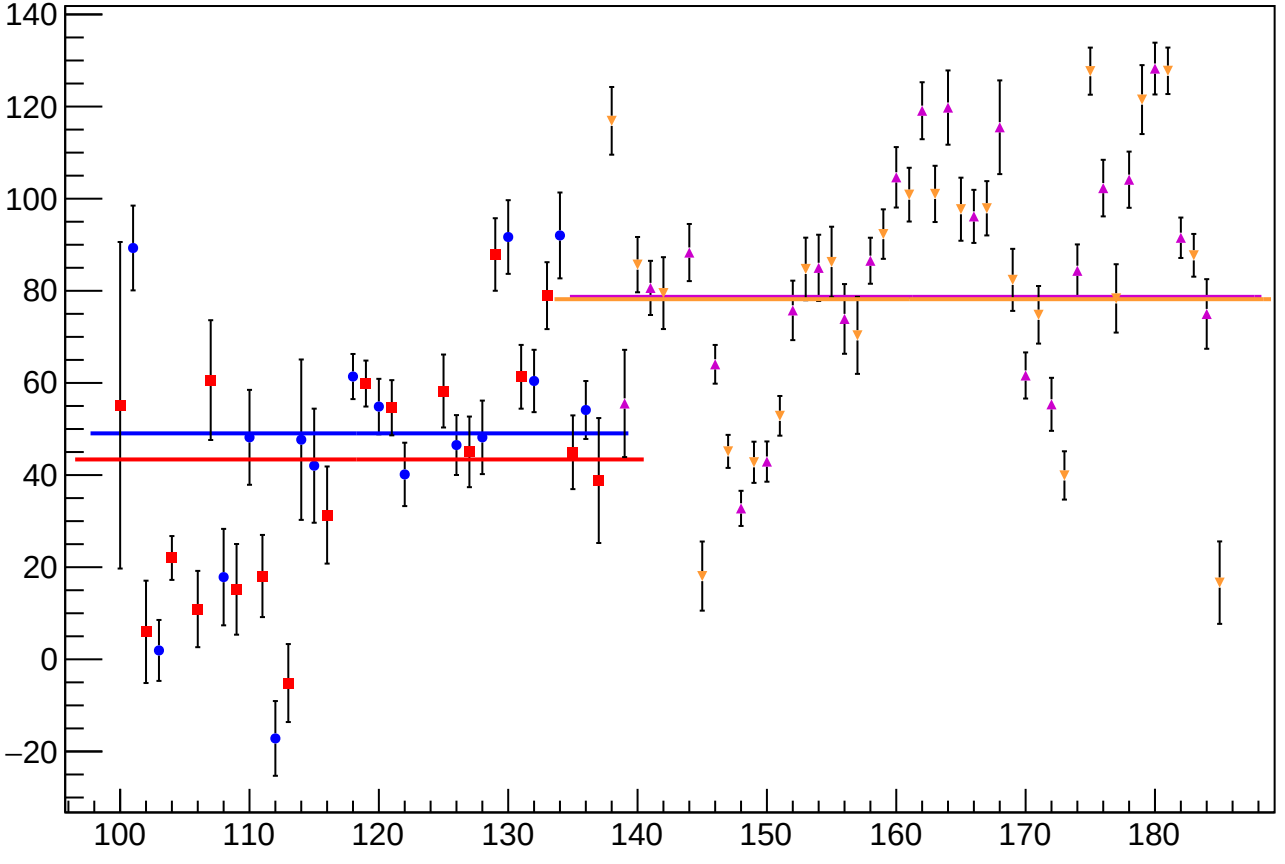
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 314.736+/-1.084 χ^2/NDF: 9422.2/39

All: 312.739+/-0.762 χ^2/NDF: 20088.9/80

- 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: 78.181+/-1.185 χ^2/NDF:663.3/23

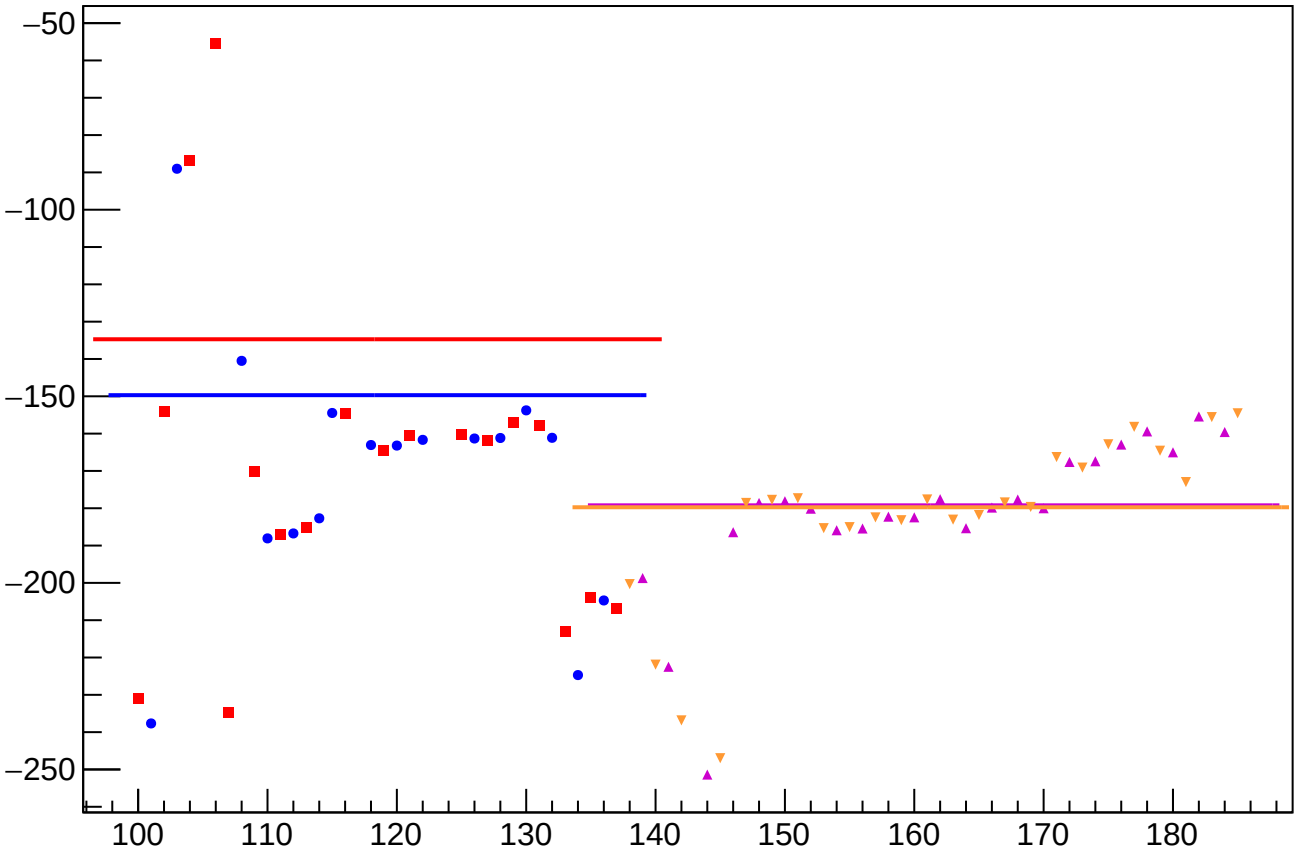
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 69.919+/-1.003 χ^2/NDF: 1042.8/39

All: 69.043+/-0.708 χ^2/NDF: 1973.0/80

- 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: -179.738+/-0.055 χ^2/NDF:132199.5/23

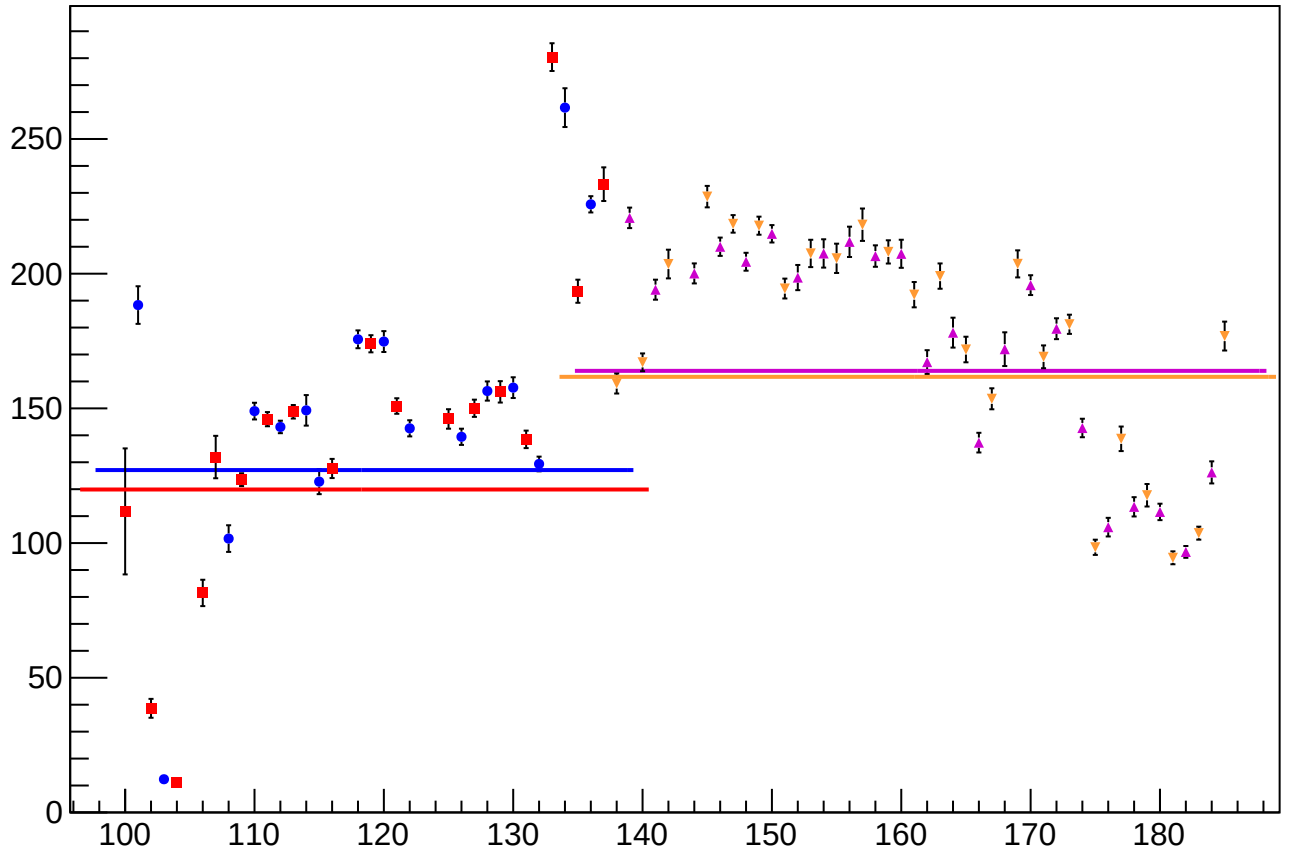
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -172.849+/-0.048 χ^2/NDF: 457089.6/39

All: -170.658+/-0.034 χ^2/NDF: 1047291.1/80

- 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: 161.708+/-0.776 χ^2/NDF:3587.3/23

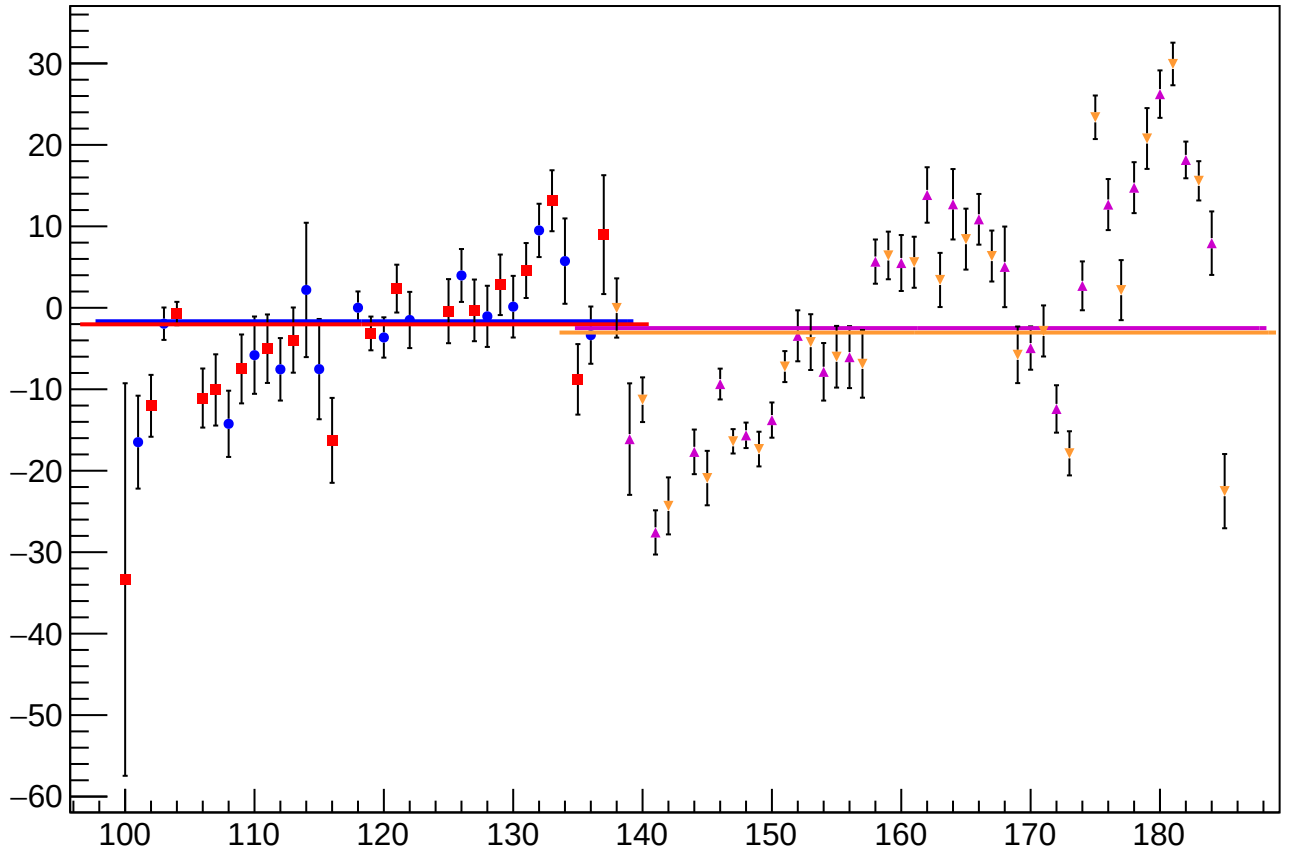
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

\+ sign 145.158+/-0.561 χ^2/NDF: 10701.2/39

All: 143.426+/-0.392 χ^2/NDF: 22312.4/80

\- 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: -3.038+/-0.578 χ^2/NDF:654.5/23

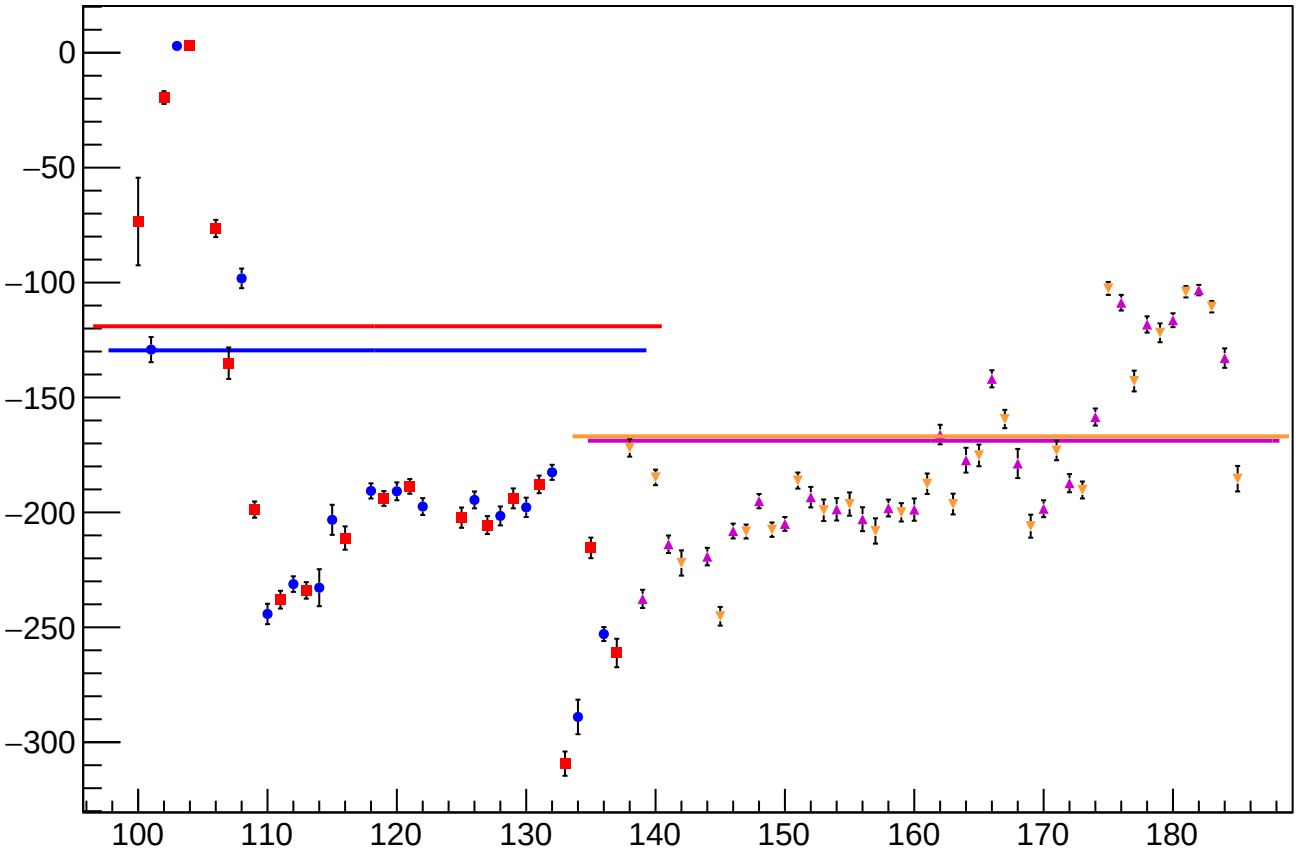
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -2.587+/-0.475 χ^2/NDF: 695.4/39

All: -2.452+/-0.333 χ^2/NDF: 1317.3/80

- sign -2.321+/-0.467 χ^2/NDF: 621.7/40



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

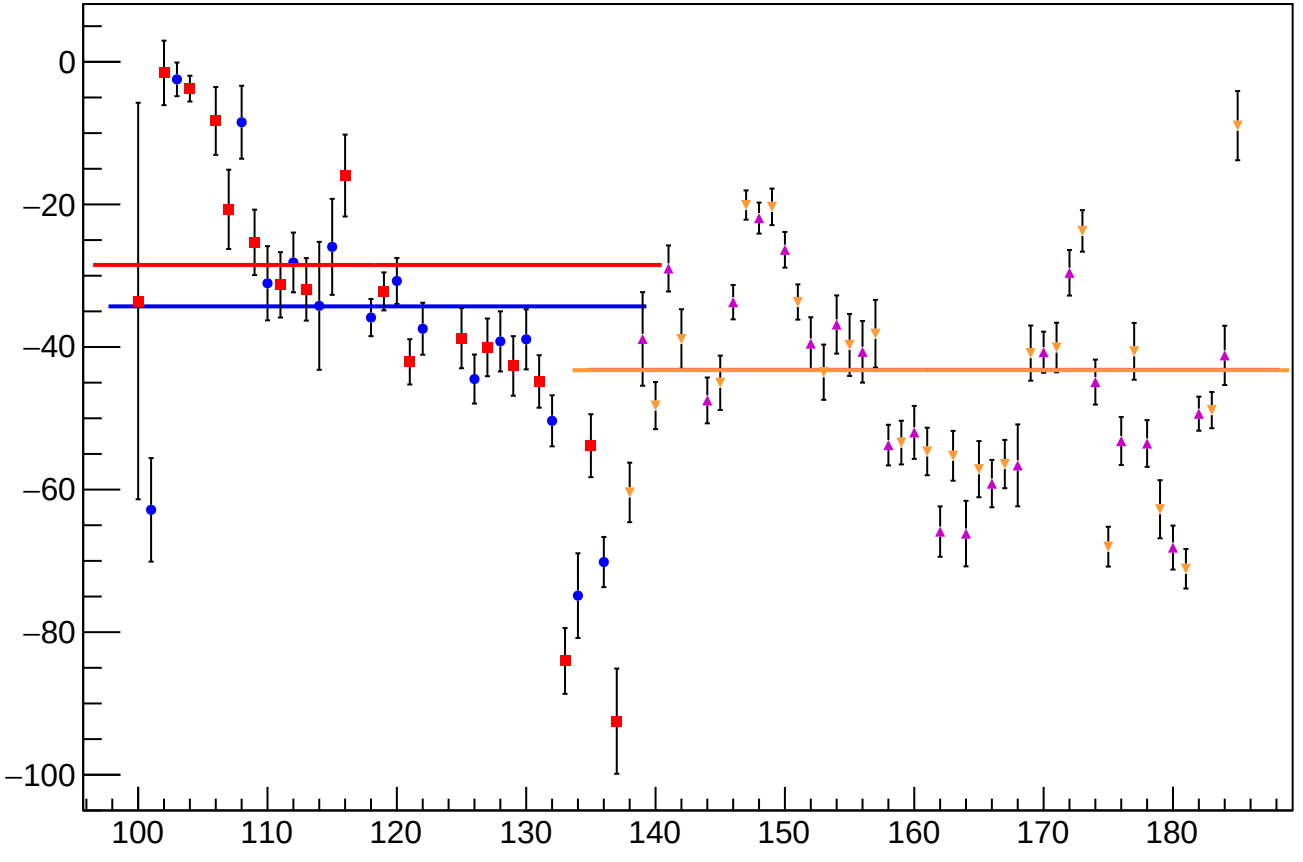
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -149.948+/-0.570 χ^2/NDF: 18852.2/39

All: -147.524+/-0.399 χ^2/NDF: 40096.2/80

- sign -145.183+/-0.560 χ^2/NDF: 21208.4/40

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

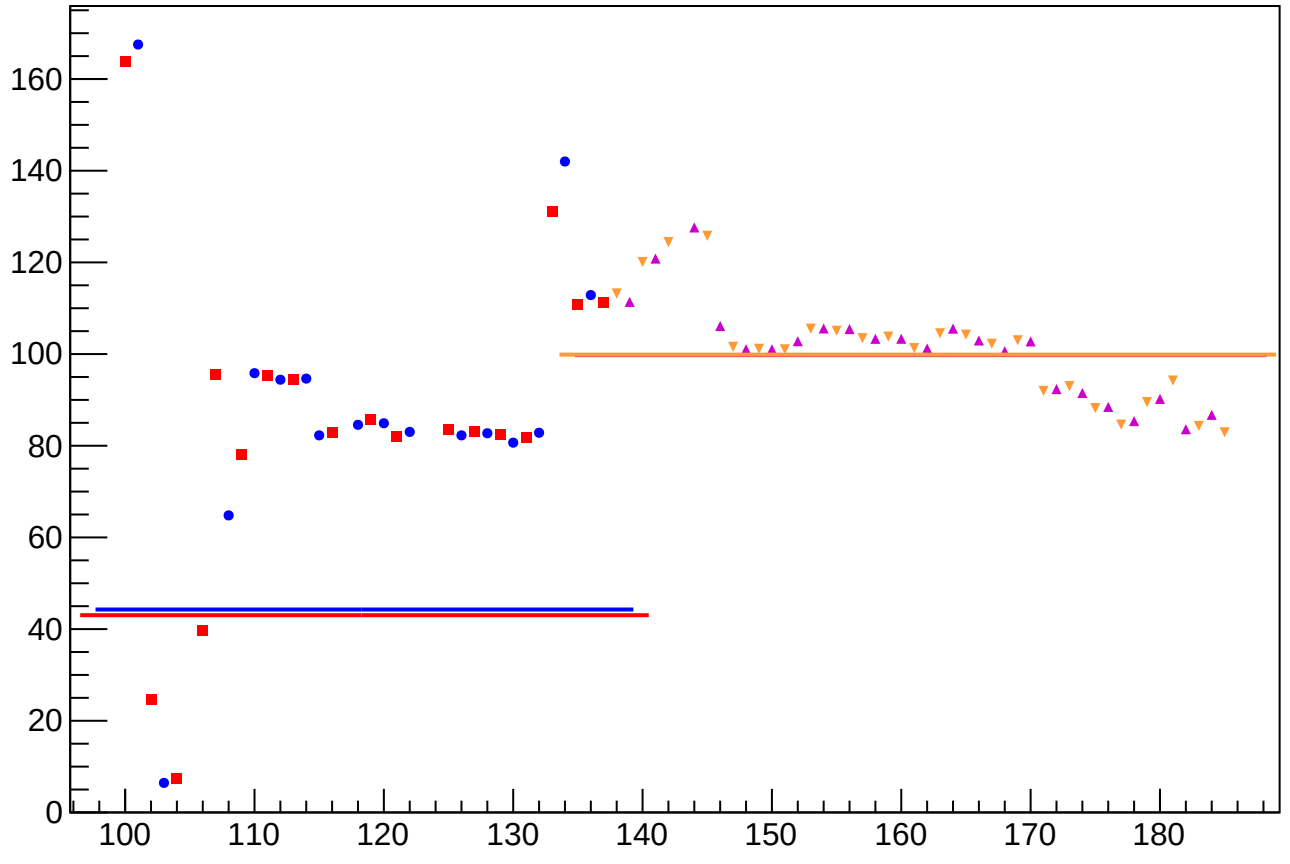
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -40.386+/-0.548 χ^2/NDF: 1079.6/39

All: -39.179+/-0.384 χ^2/NDF: 2233.4/80

- sign -38.010+/-0.539 χ^2/NDF: 1144.3/40



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

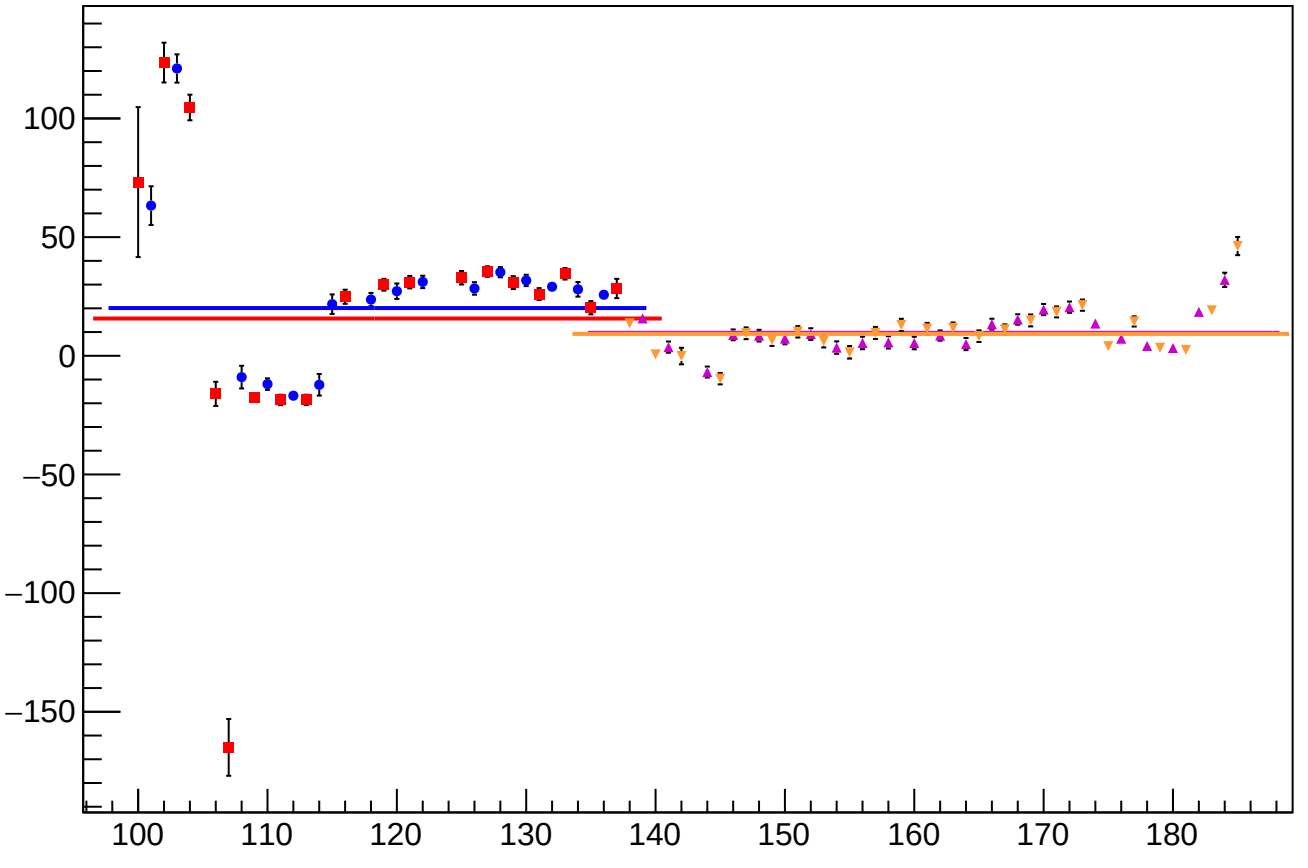
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.135+/-0.025 χ^2/NDF: 2251072.8/39

All: 82.011+/-0.018 χ^2/NDF: 4256550.1/80

- 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: 9.228+/-0.456 χ^2/NDF:327.5/23

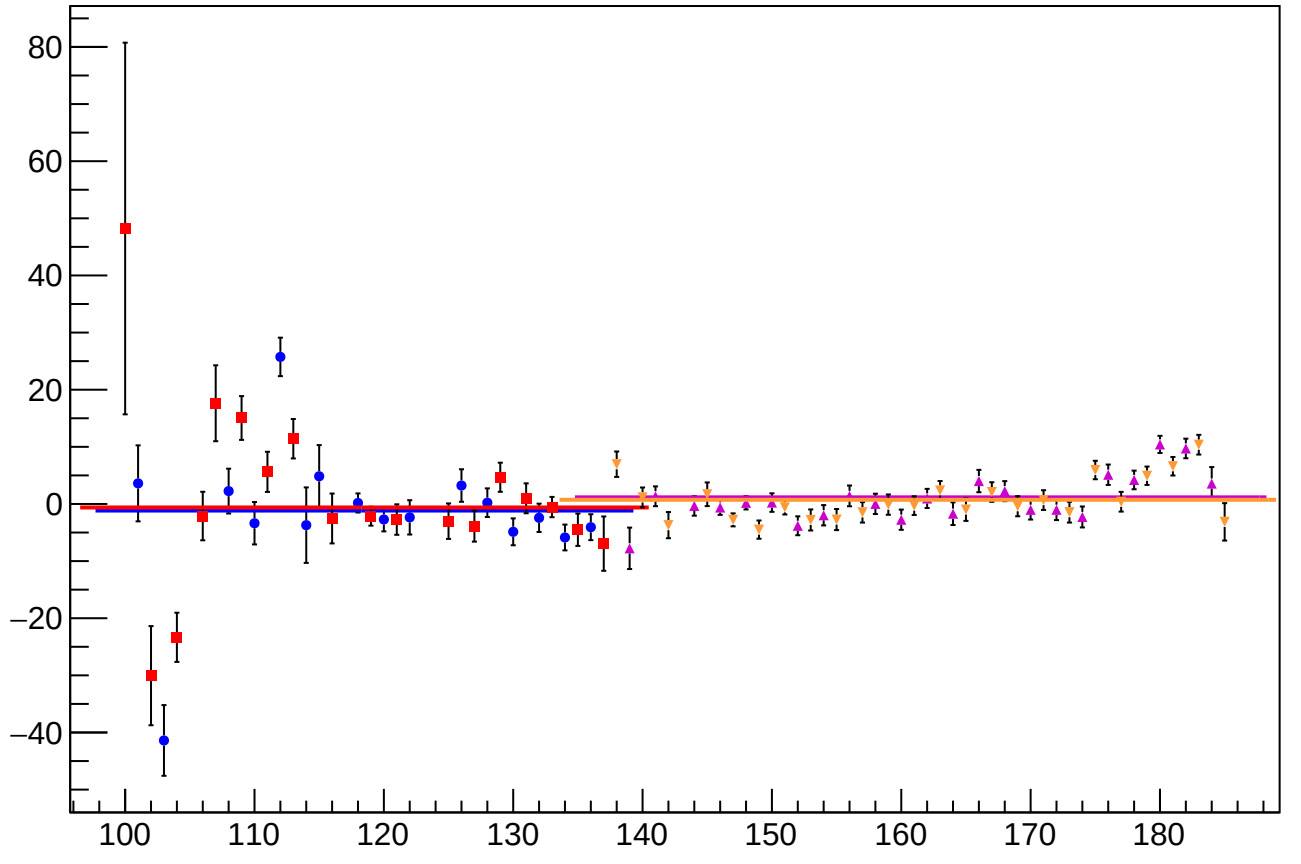
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 12.562+/-0.380 χ^2/NDF: 1549.9/39

All: 12.071+/-0.270 χ^2/NDF: 3627.2/80

- 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: 0.730+/-0.350 χ^2/NDF:109.7/23

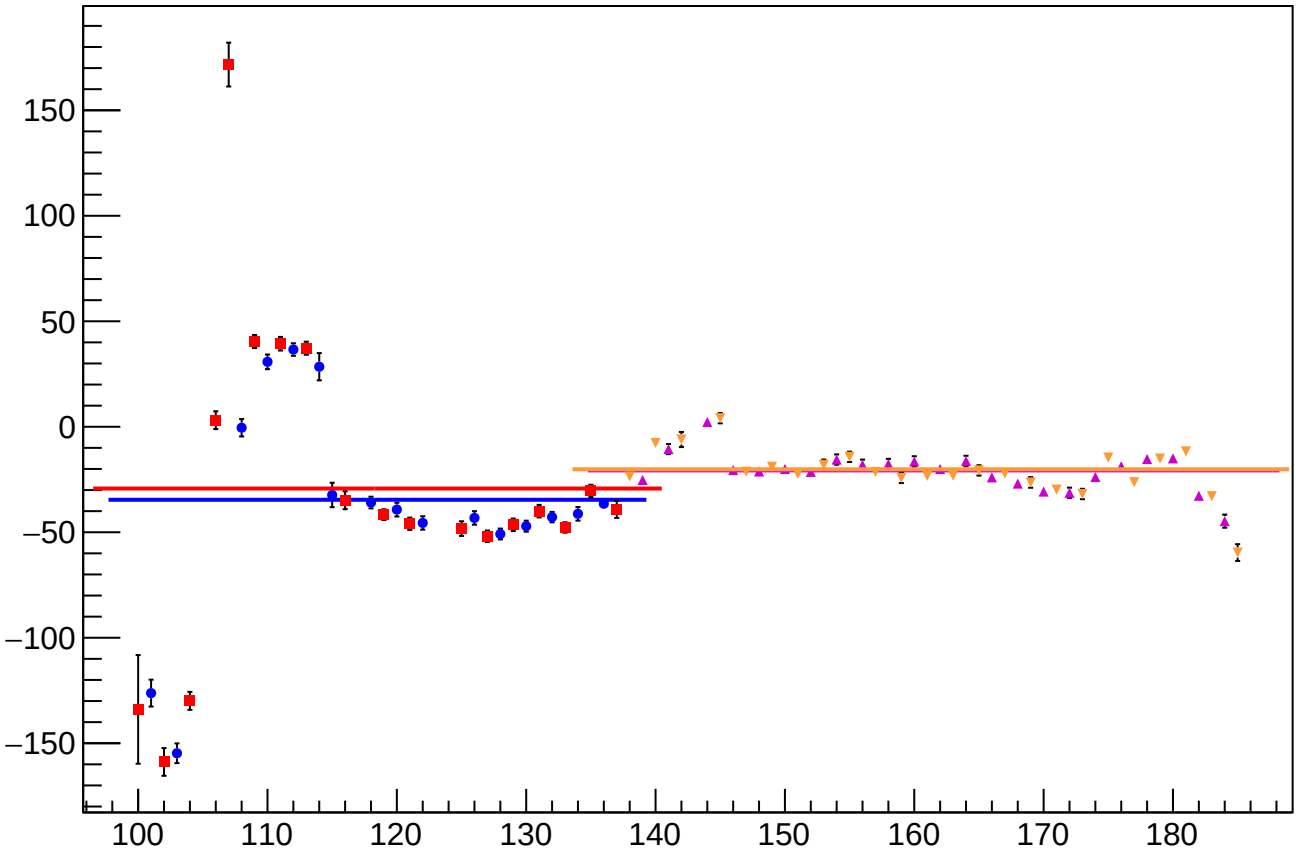
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign 0.354+/-0.313 χ^2/NDF: 237.3/39

All: 0.573+/-0.223 χ^2/NDF: 447.1/80

\- 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: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

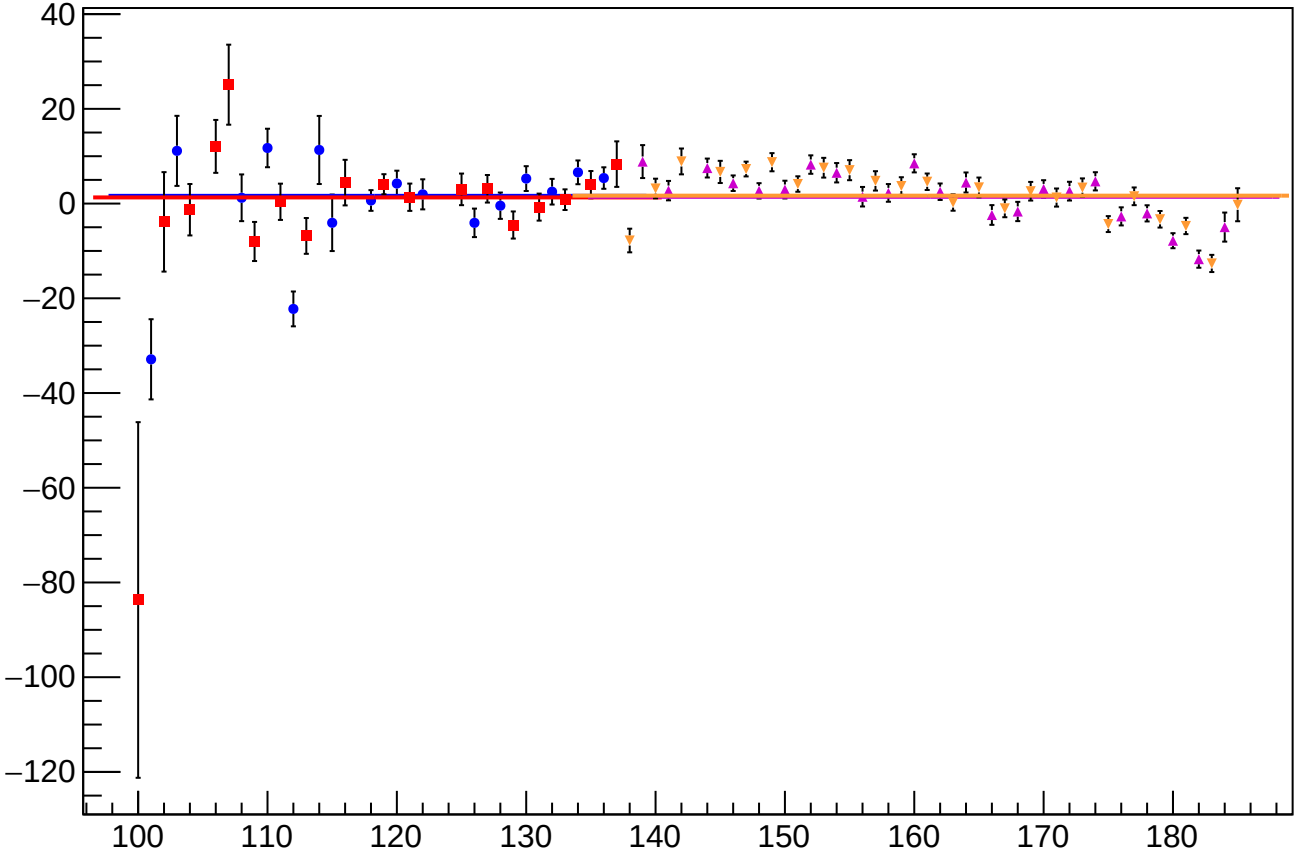
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

+ sign -23.745+/-0.392 χ^2/NDF: 2732.4/39

All: -23.280+/-0.279 χ^2/NDF: 6213.8/80

- sign -22.803+/-0.397 χ^2/NDF: 3478.6/40

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

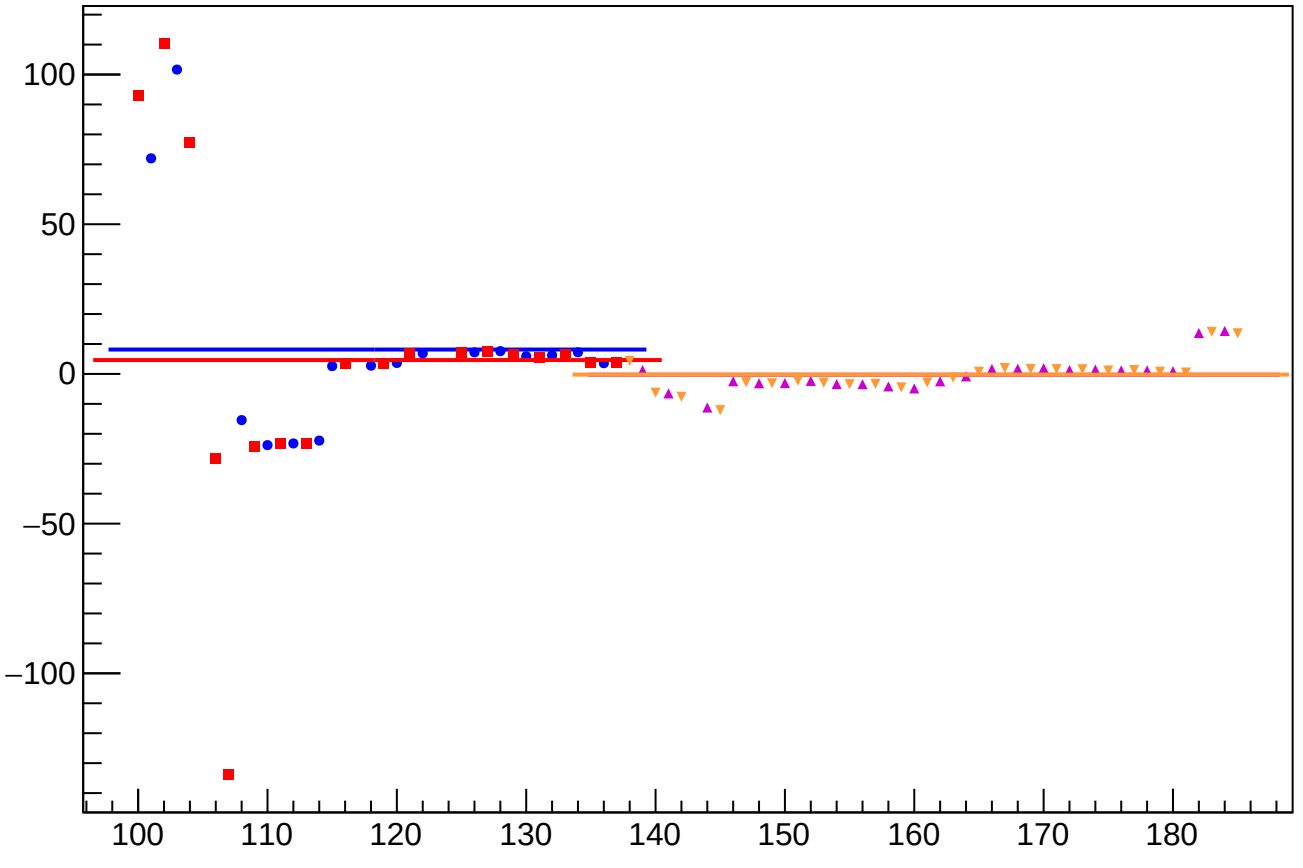
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.663+/-0.354 χ^2/NDF: 261.3/39

All: 1.535+/-0.253 χ^2/NDF: 461.9/80

- 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: -0.229+/-0.018 χ^2/NDF:80976.2/23

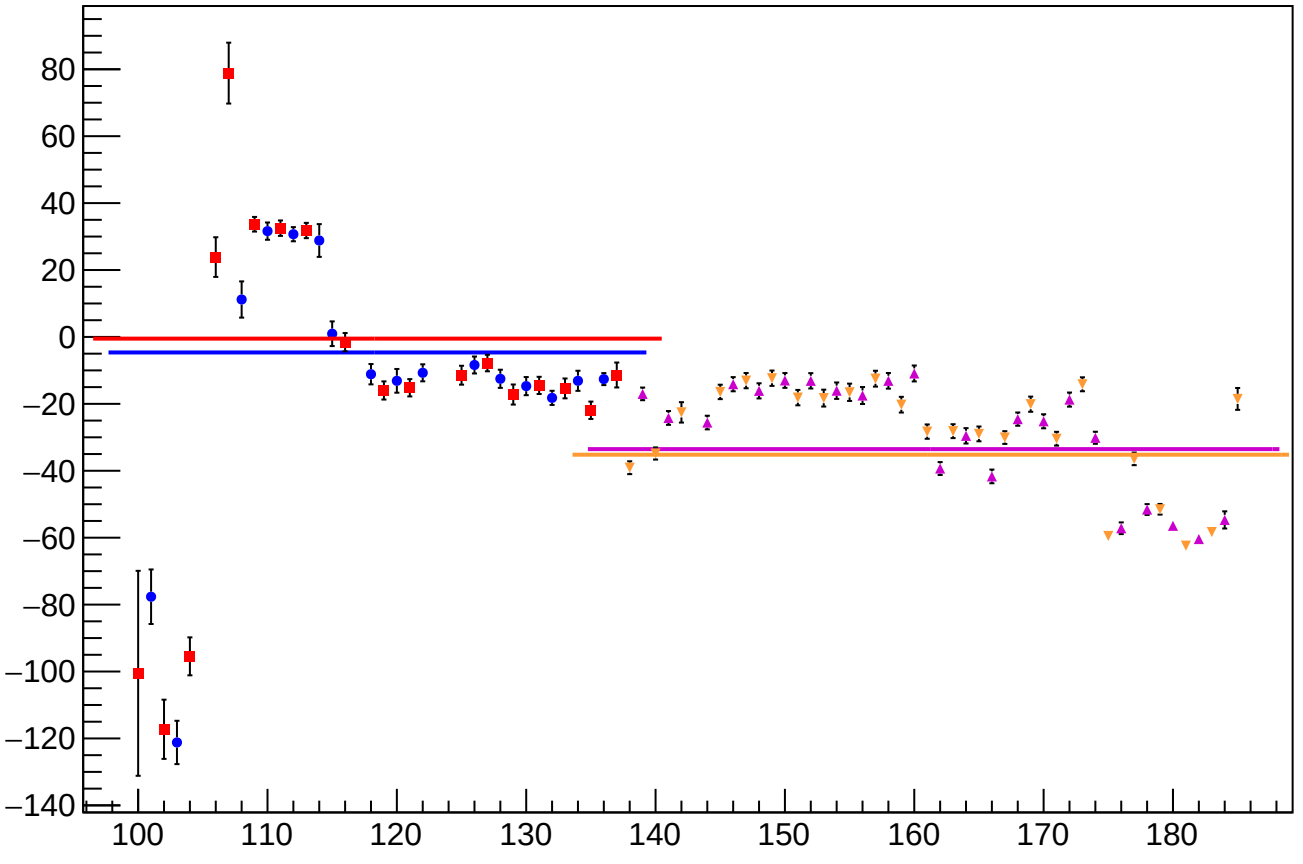
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 0.754+/-0.017 χ^2/NDF: 420785.1/39

All: 0.504+/-0.012 χ^2/NDF: 948903.7/80

- 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: -35.201+/-0.408 χ^2/NDF:1850.7/23

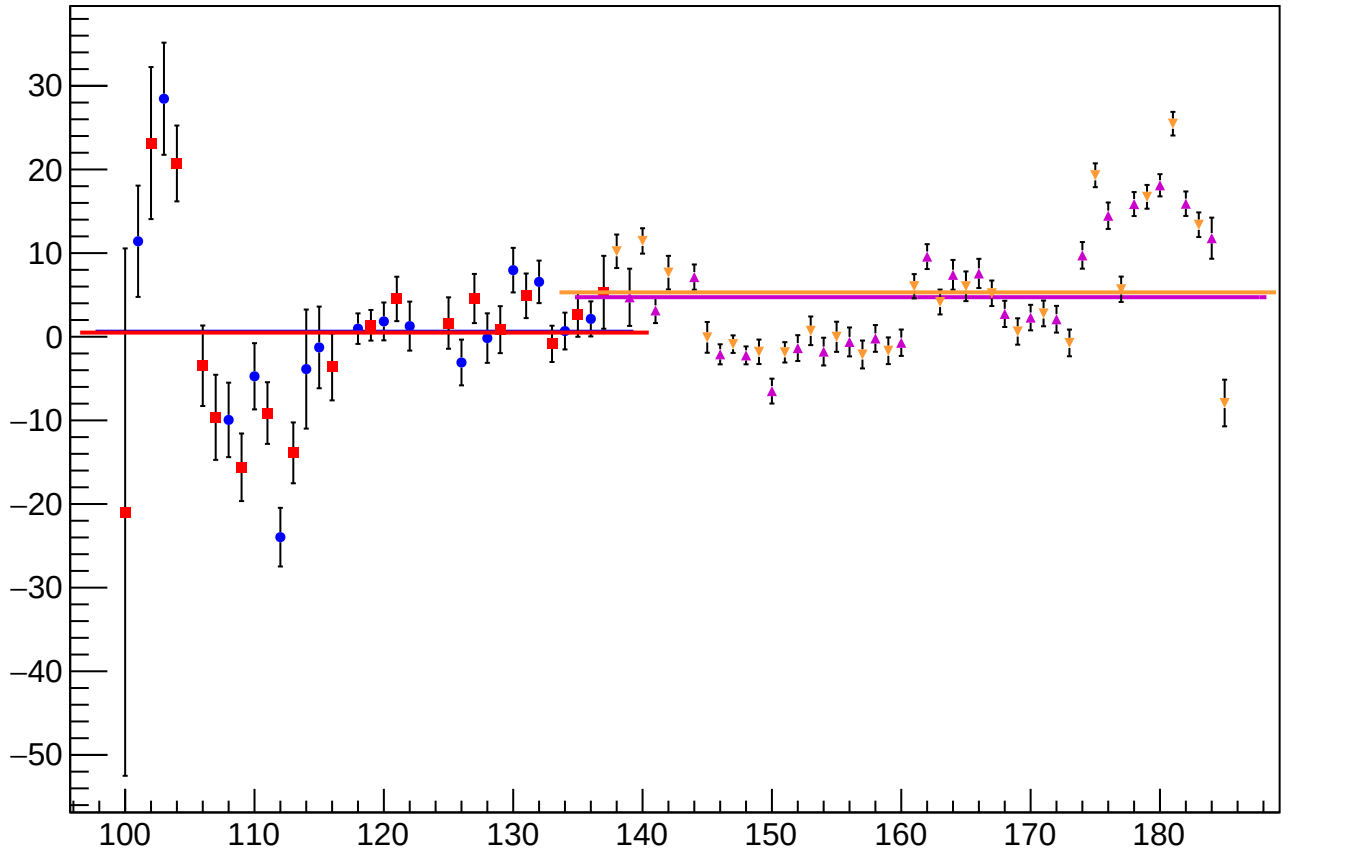
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -27.635+/-0.354 χ^2/NDF: 4285.0/39

All: -26.416+/-0.252 χ^2/NDF: 9185.0/80

- 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: 5.307+/-0.315 χ^2/NDF:624.4/23

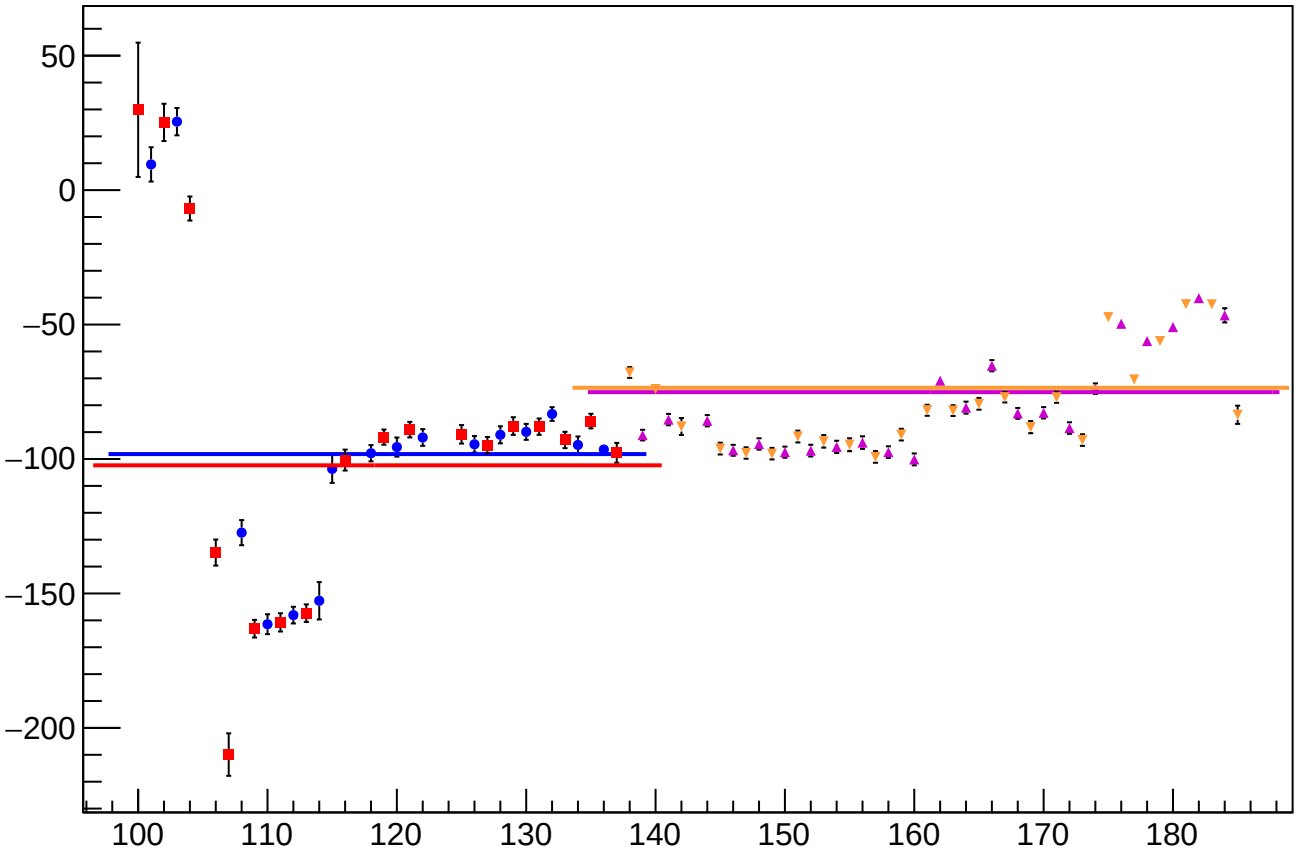
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.563+/-0.289 χ^2/NDF: 752.5/39

All: 4.326+/-0.207 χ^2/NDF: 1356.6/80

- 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: -73.506+/-0.405 χ^2/NDF:2392.0/23

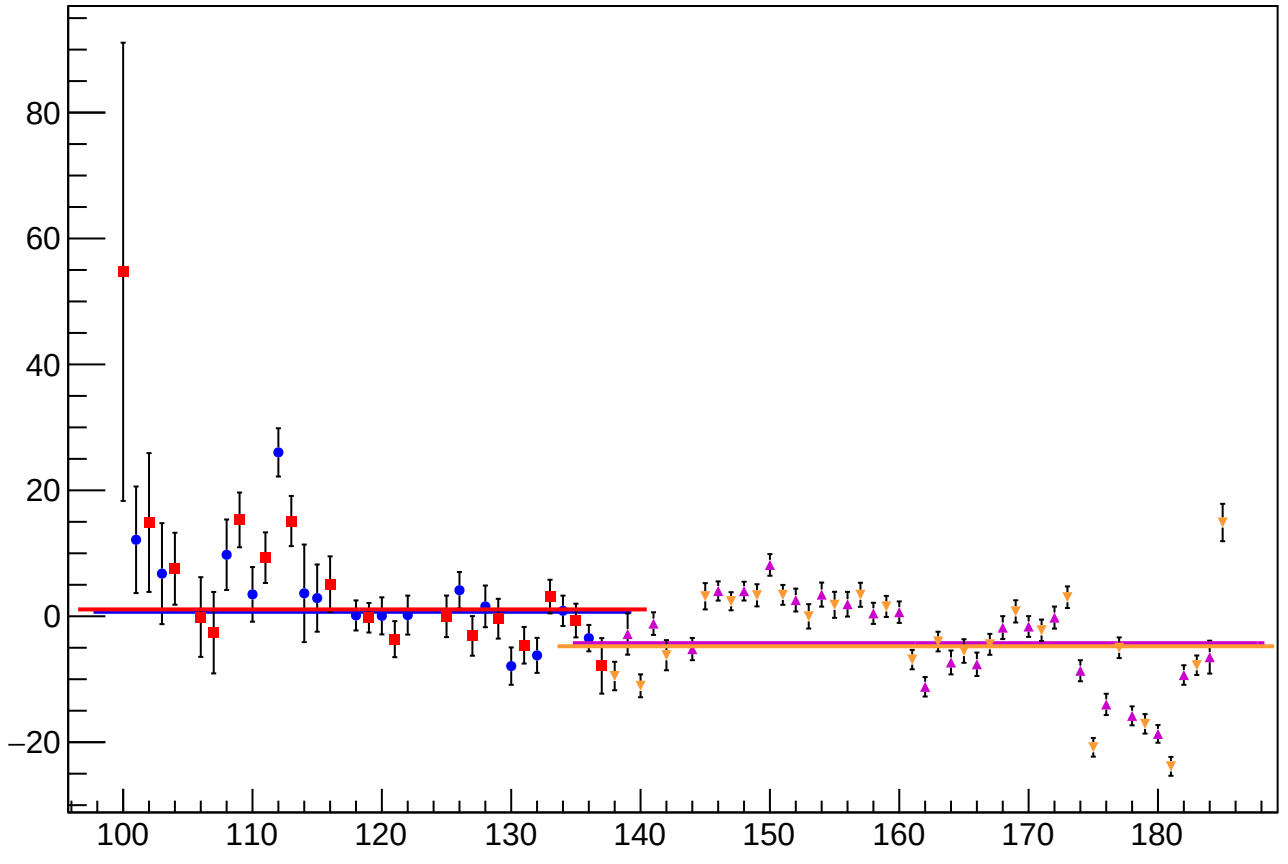
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

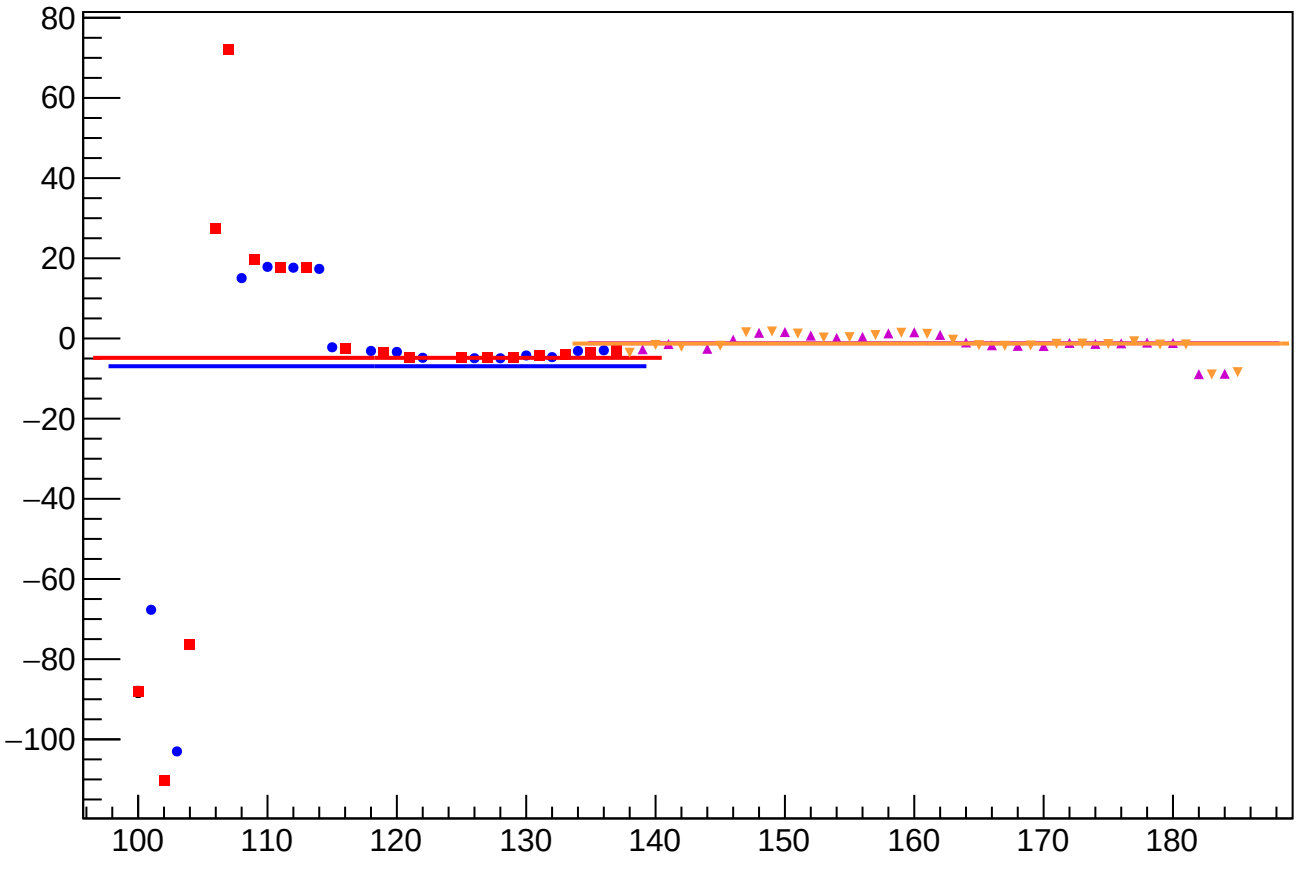
Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -78.418+/-0.363 χ^2/NDF: 4829.3/39

All: -79.394+/-0.258 χ^2/NDF: 10176.3/80

\- sign -80.400+/-0.368 χ^2/NDF: 5332.2/40


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 0.711+/-0.821 χ²/NDF: 69.6/15
Left Out: -4.762+/-0.355 χ²/NDF:576.9/23
Right Out: 1.088+/-0.856 χ²/NDF: 47.7/17
Left In: -4.278+/-0.361 χ²/NDF:424.1/22
+ sign -3.901+/-0.326 χ²/NDF: 684.0/39
All: -3.690+/-0.233 χ²/NDF: 1190.0/80
- sign -3.469+/-0.333 χ²/NDF: 505.1/40



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

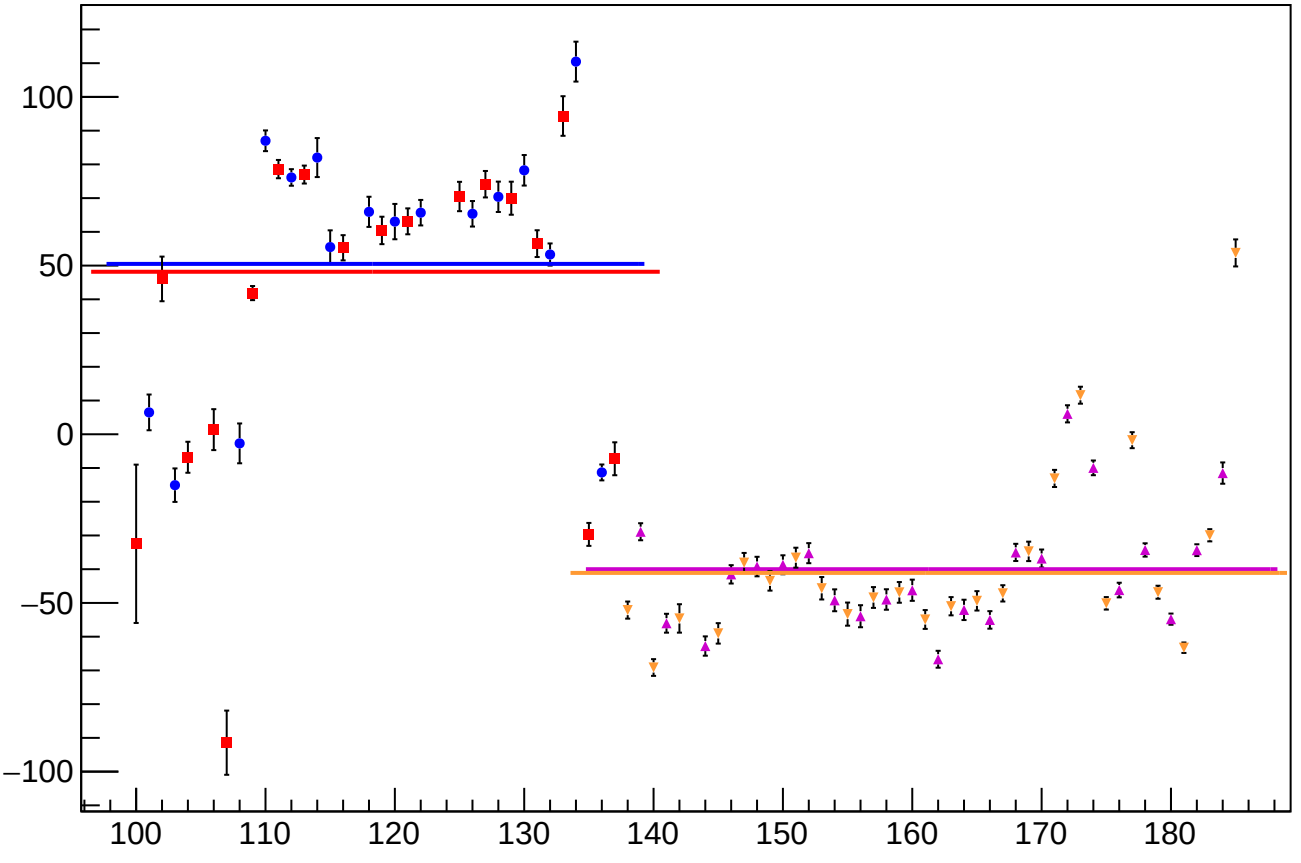
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -1.814+/-0.015 χ^2/NDF: 302567.0/39

All: -1.652+/-0.011 χ^2/NDF: 671301.6/80

- 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: -41.097+/-0.517 χ^2/NDF:1948.2/23

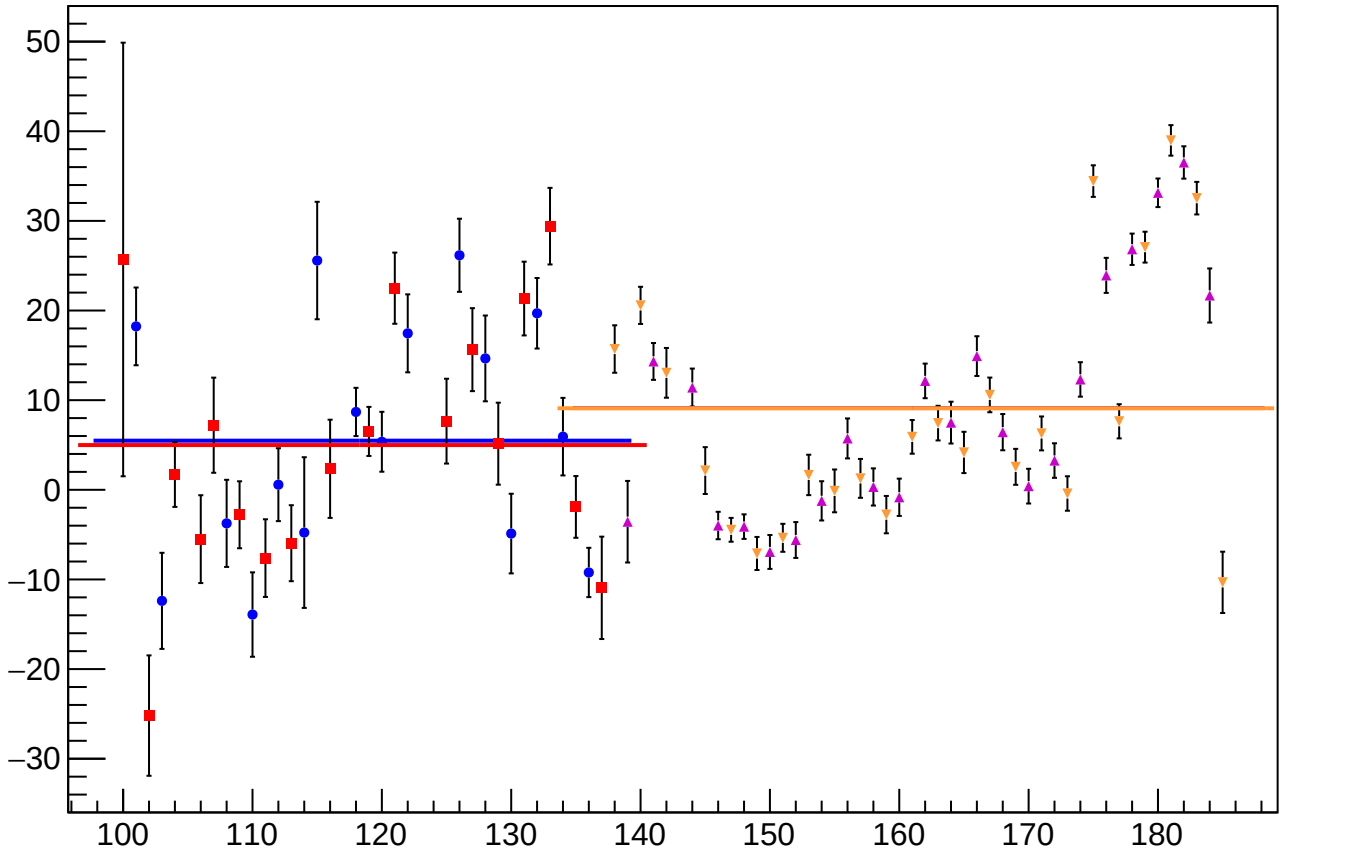
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -20.658+/-0.456 χ^2/NDF: 10446.6/39

All: -19.416+/-0.322 χ^2/NDF: 20011.5/80

\- 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: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

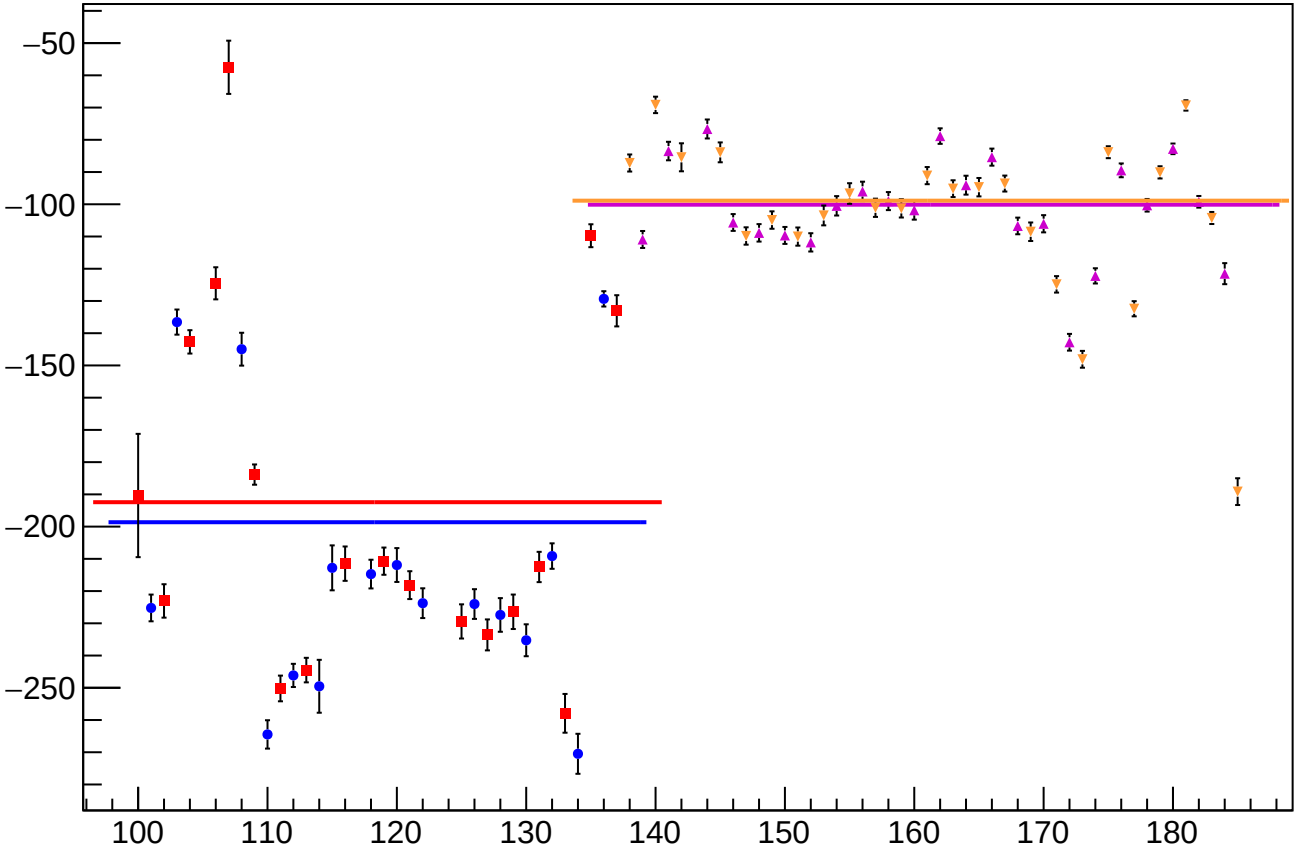
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.611+/-0.373 χ^2/NDF: 1402.7/39

All: 8.582+/-0.266 χ^2/NDF: 2600.4/80

- 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: -98.883+/-0.514 χ^2/NDF:1824.5/23

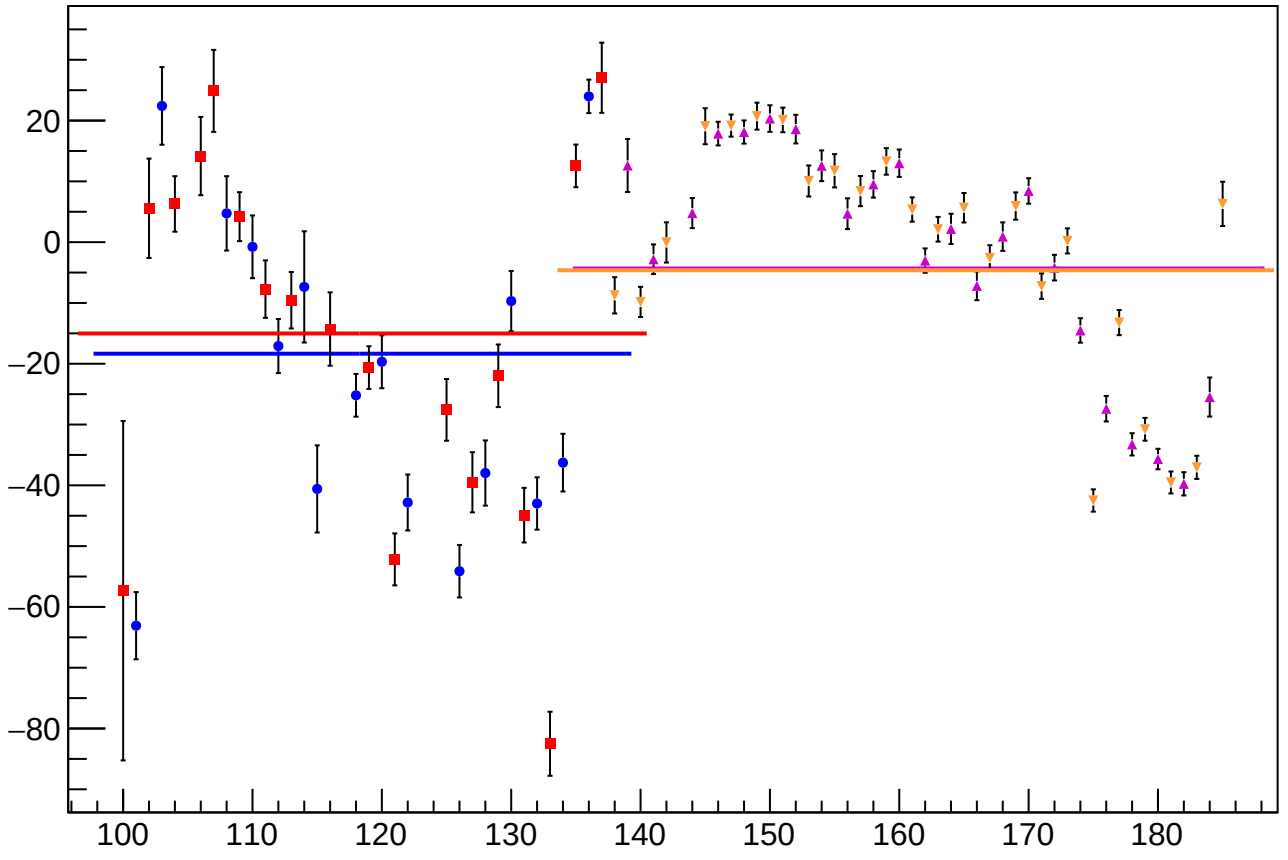
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -117.220+/-0.464 χ^2/NDF: 10746.9/39

All: -117.363+/-0.330 χ^2/NDF: 19640.6/80

- 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: -4.618+/-0.451 χ^2/NDF:2078.3/23

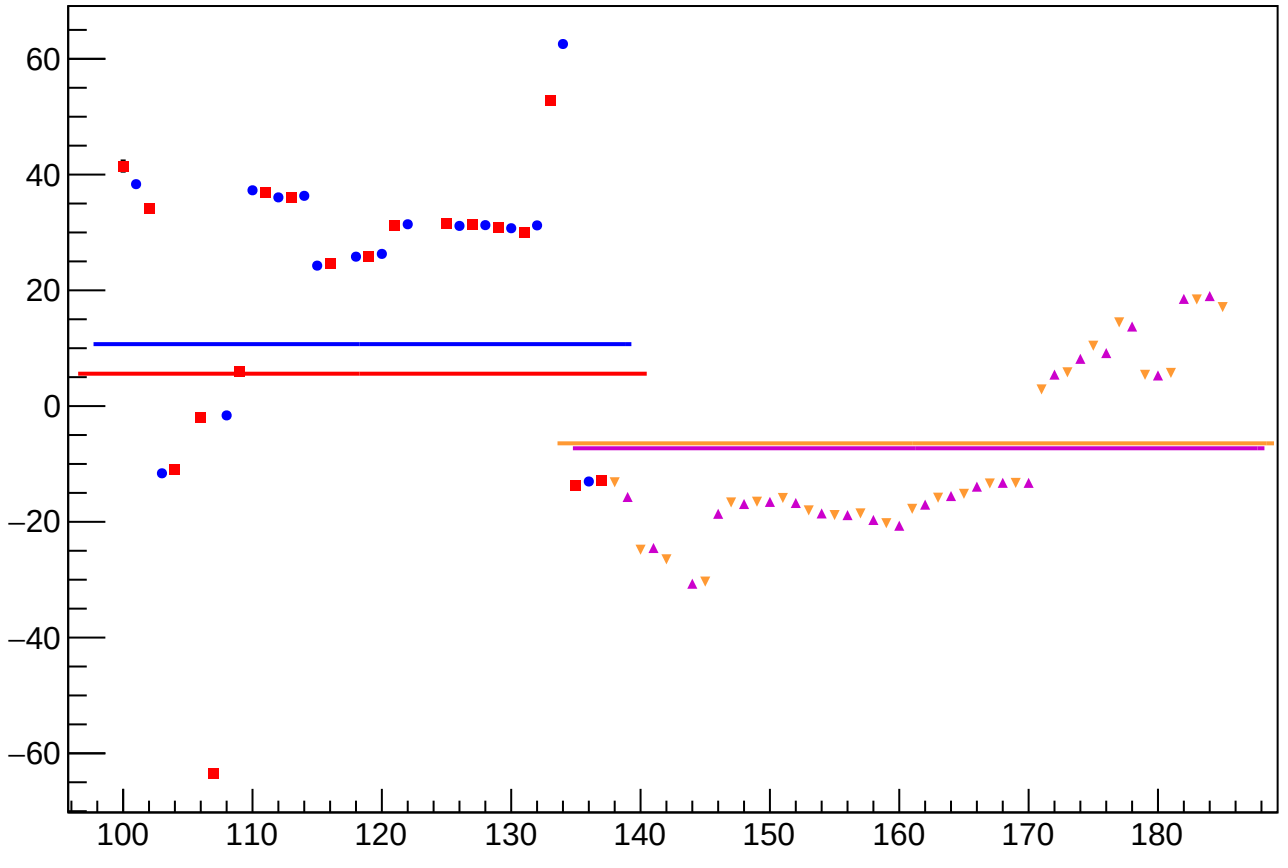
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.425+/-0.421 χ^2/NDF: 2744.0/39

All: -6.103+/-0.300 χ^2/NDF: 5219.1/80

- sign -5.771+/-0.427 χ^2/NDF: 2473.9/40



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

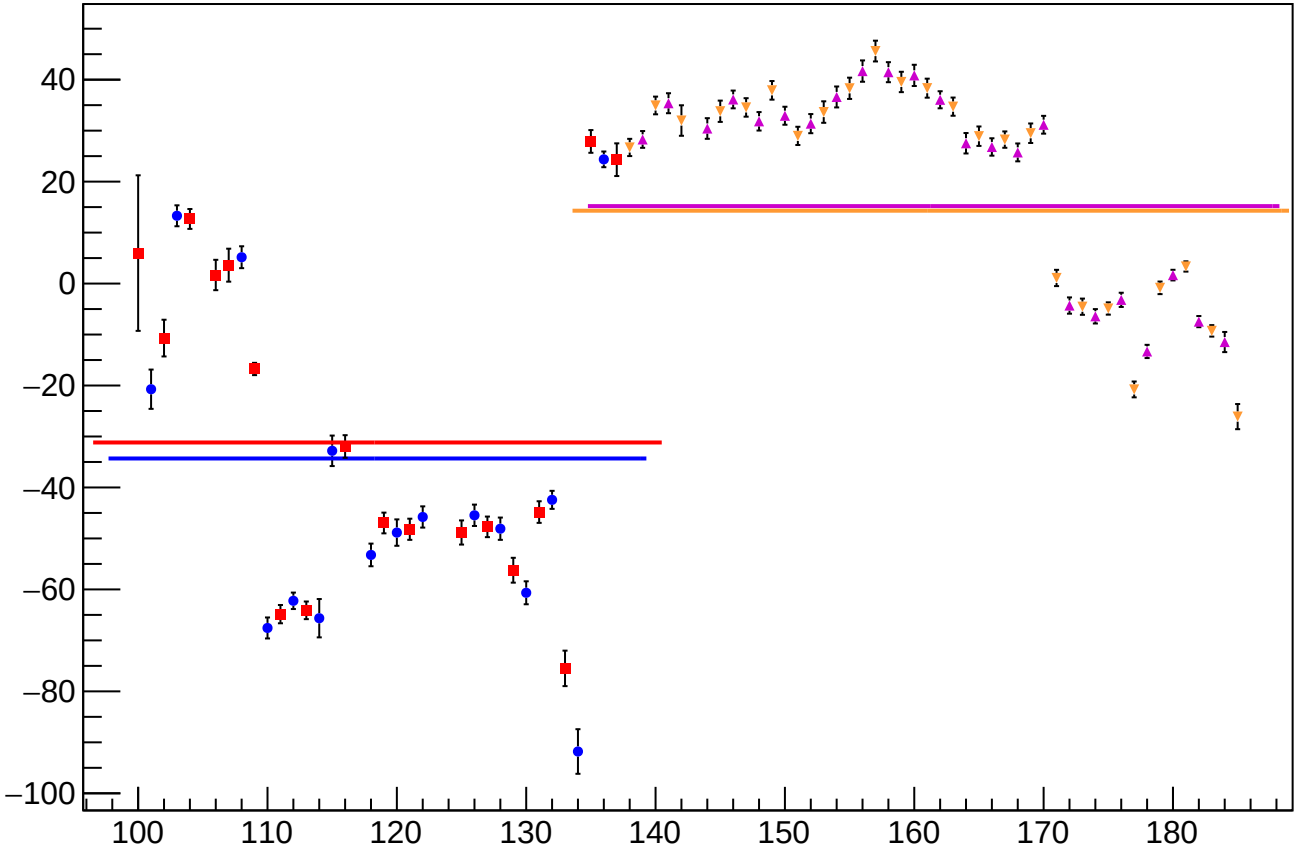
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -4.836+/-0.019 χ^2/NDF: 728894.4/39

All: -5.465+/-0.014 χ^2/NDF: 1411518.3/80

- 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: 14.295+/-0.335 χ^2/NDF:3726.3/23

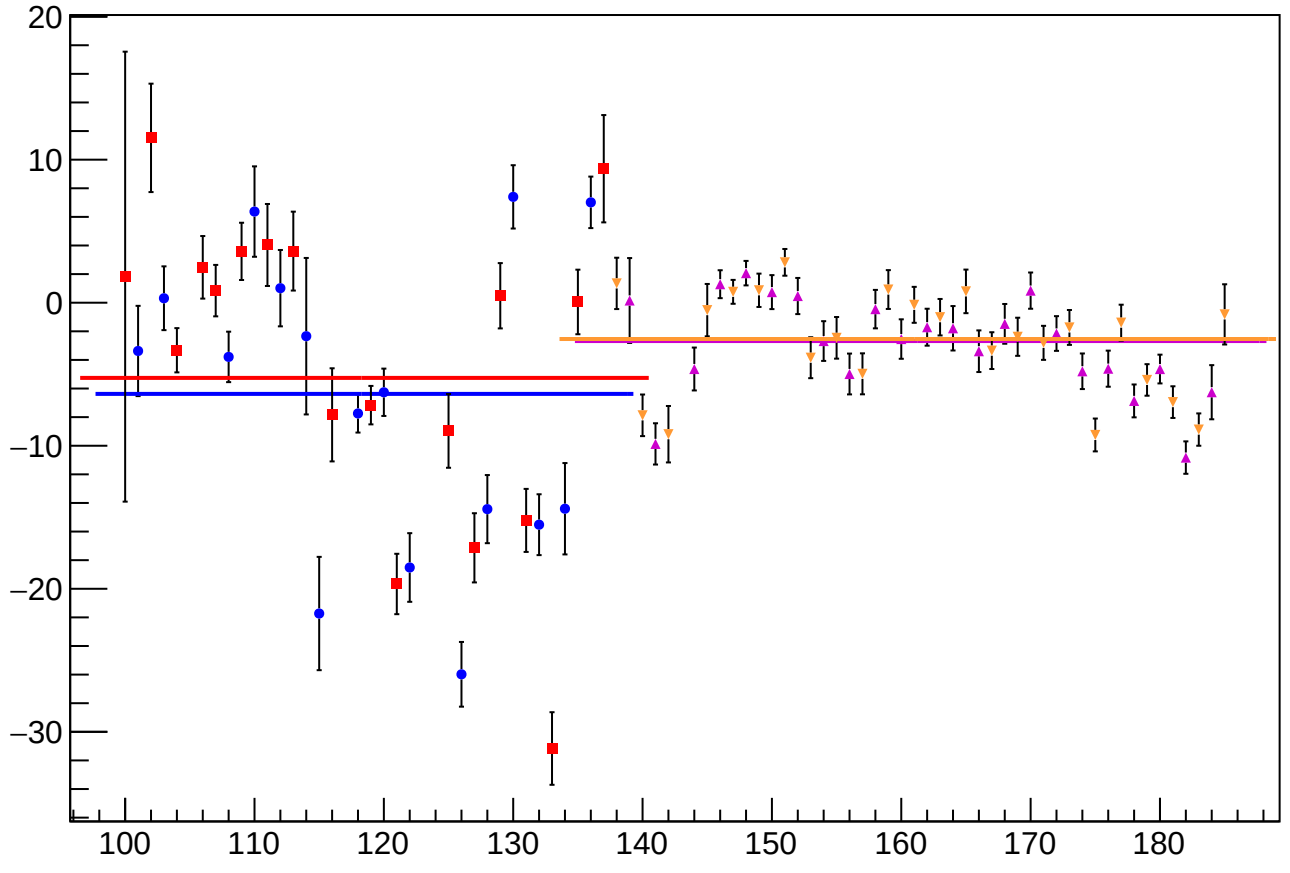
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign 1.052+/-0.286 χ^2/NDF: 12956.0/39

All: 1.116+/-0.201 χ^2/NDF: 25203.6/80

- 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: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

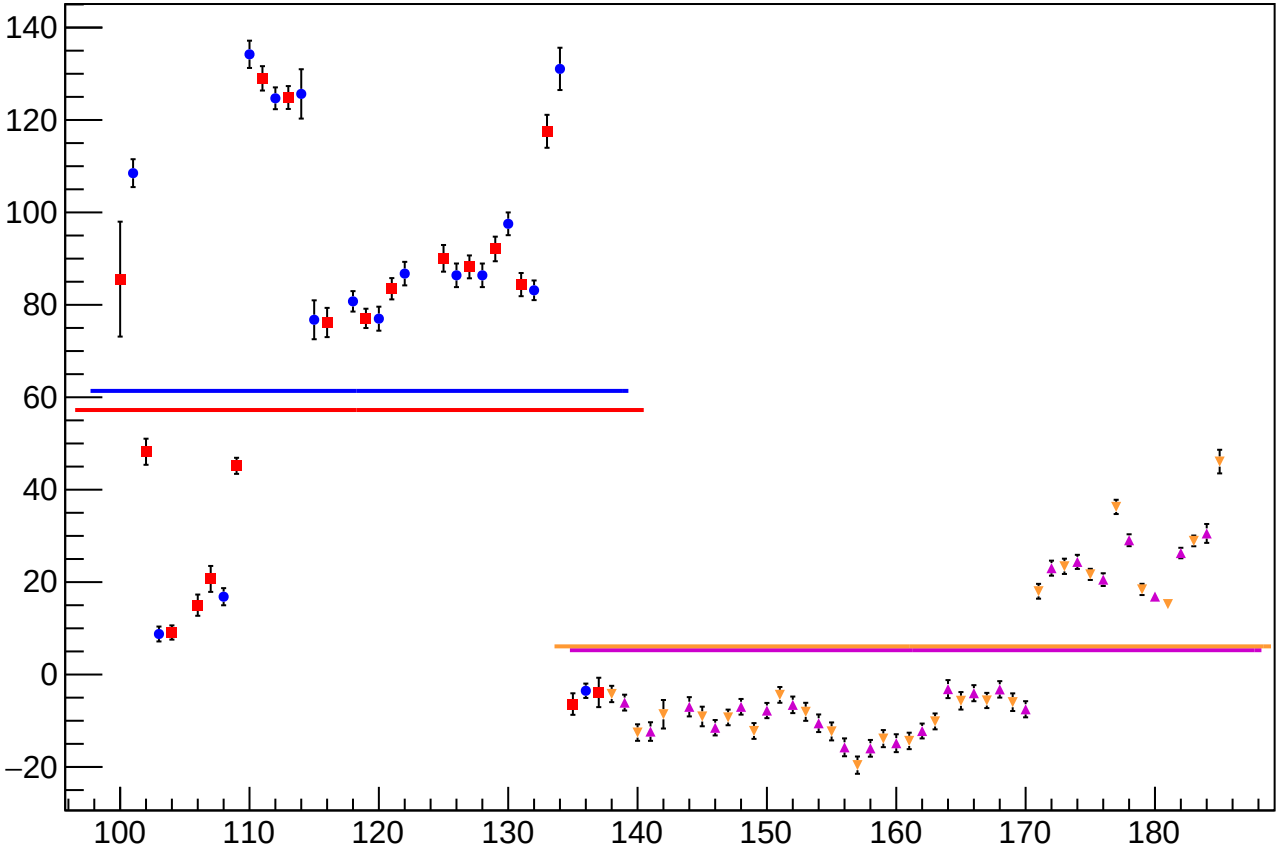
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -3.227+/-0.235 χ^2/NDF: 521.4/39

All: -3.209+/-0.167 χ^2/NDF: 1035.1/80

- 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: 6.095+/-0.333 χ^2/NDF:2773.9/23

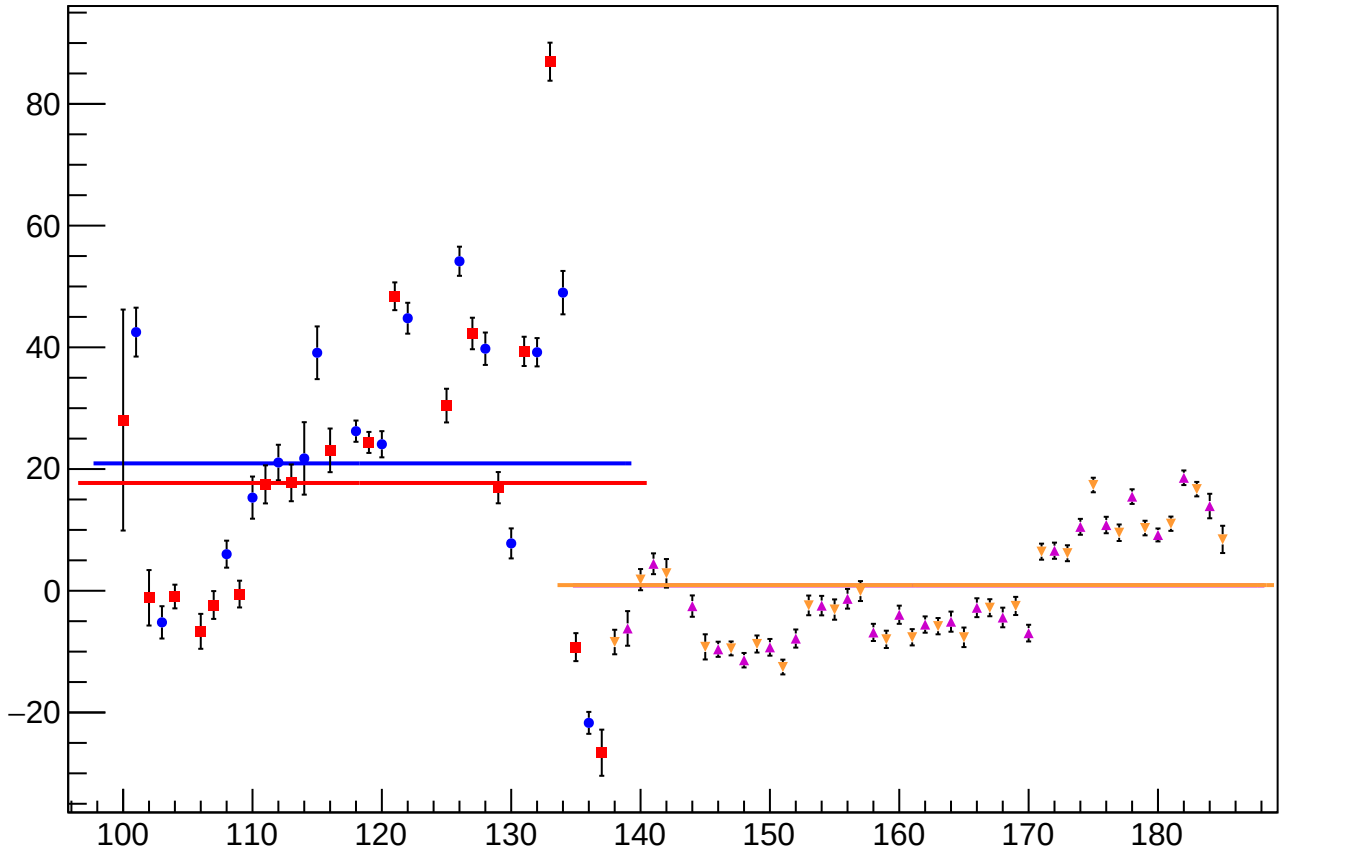
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 19.296+/-0.290 χ^2/NDF: 15427.0/39

All: 18.825+/-0.206 χ^2/NDF: 29154.8/80

- sign 18.353+/-0.291 χ^2/NDF: 13722.5/40



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

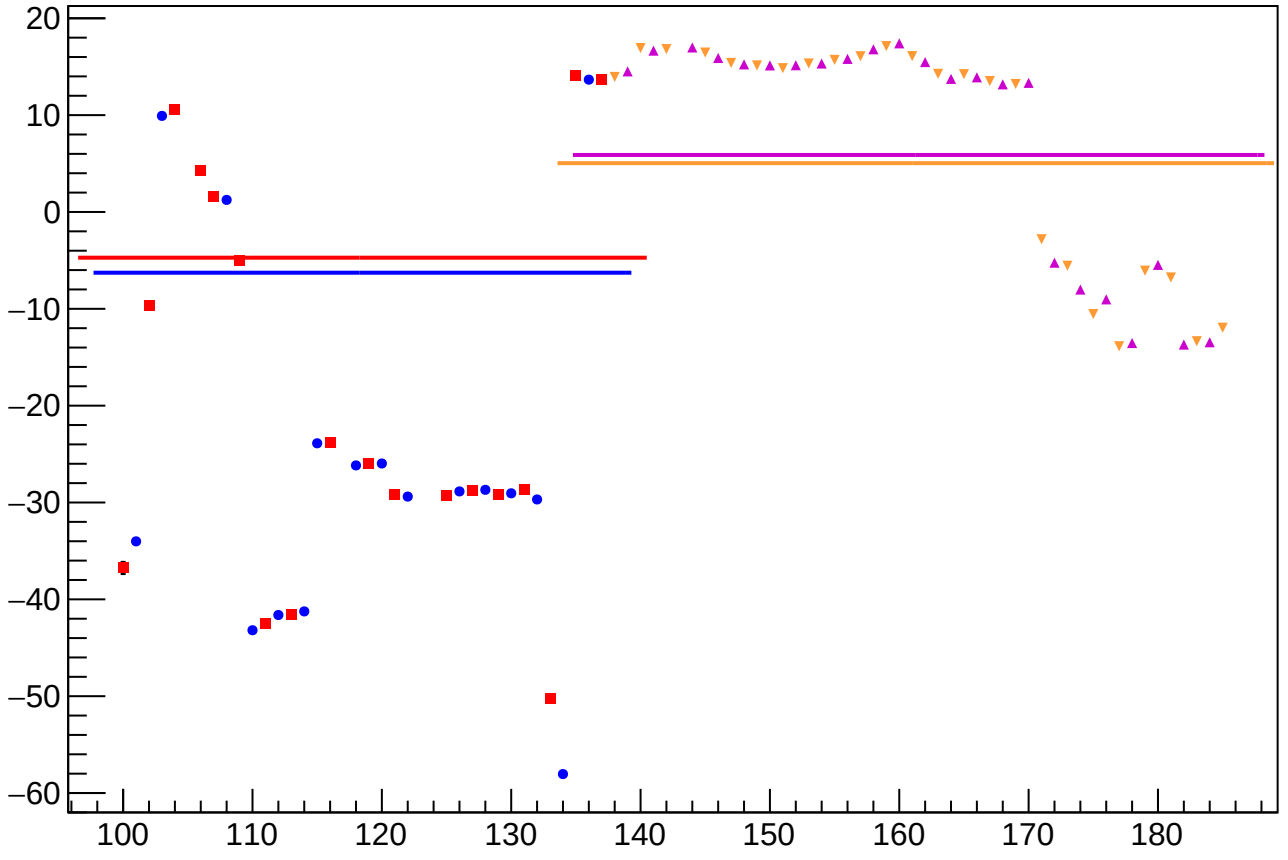
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.370+/-0.266 χ^2/NDF: 3095.4/39

All: 4.206+/-0.189 χ^2/NDF: 6186.4/80

- 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: 5.042+/-0.013 χ^2/NDF:855564.2/23

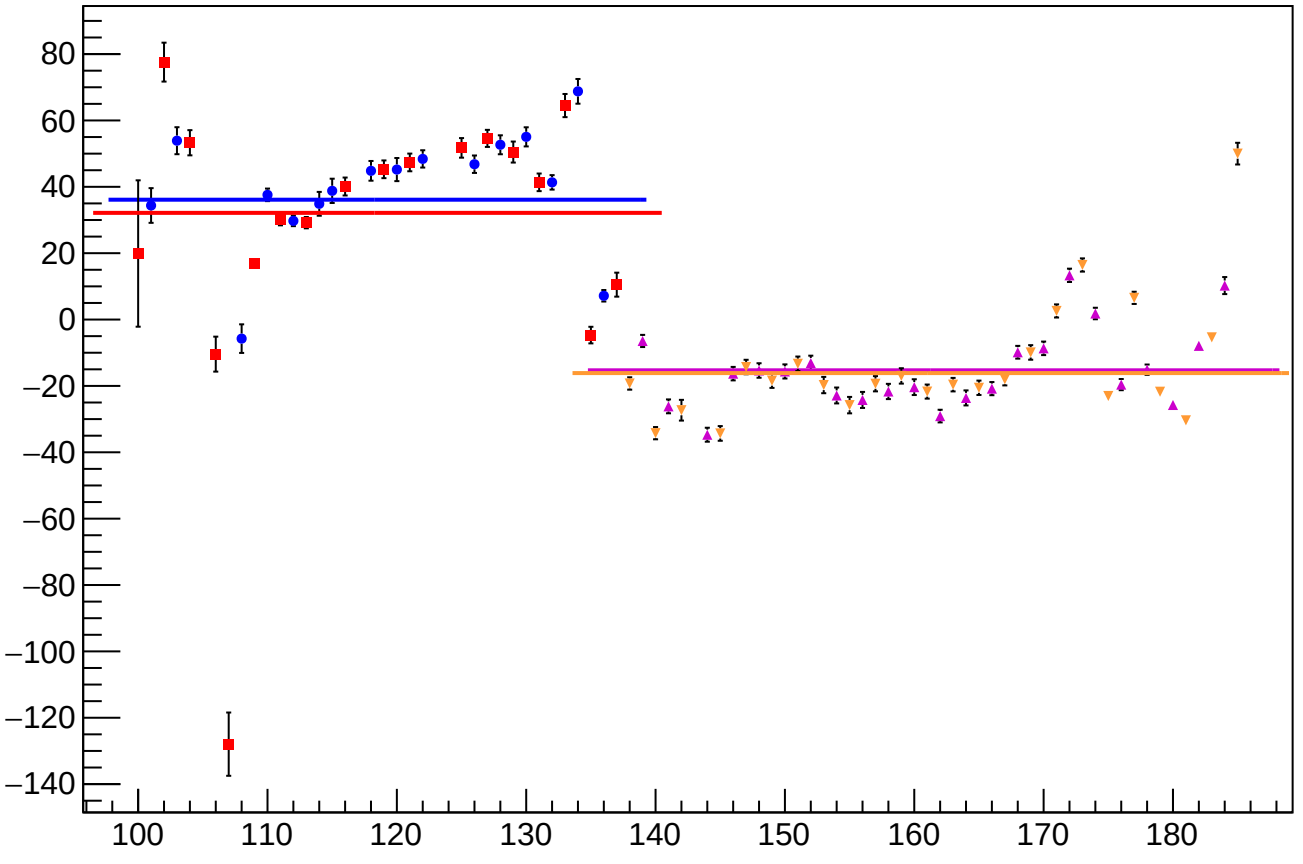
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.543+/-0.012 χ^2/NDF: 1365453.4/39

All: 4.010+/-0.009 χ^2/NDF: 2607465.4/80

- 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: -16.132+/-0.398 χ^2/NDF:1364.9/23

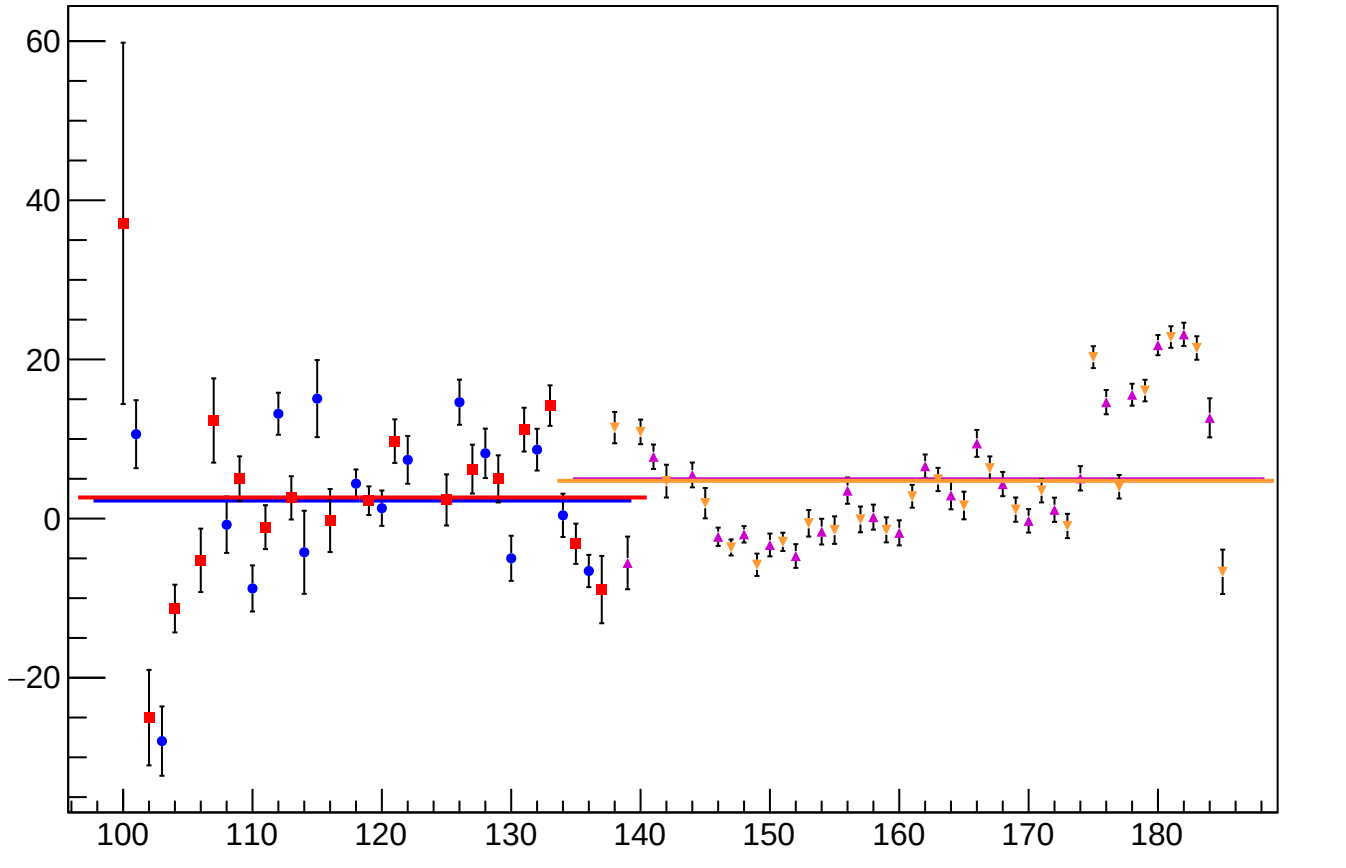
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

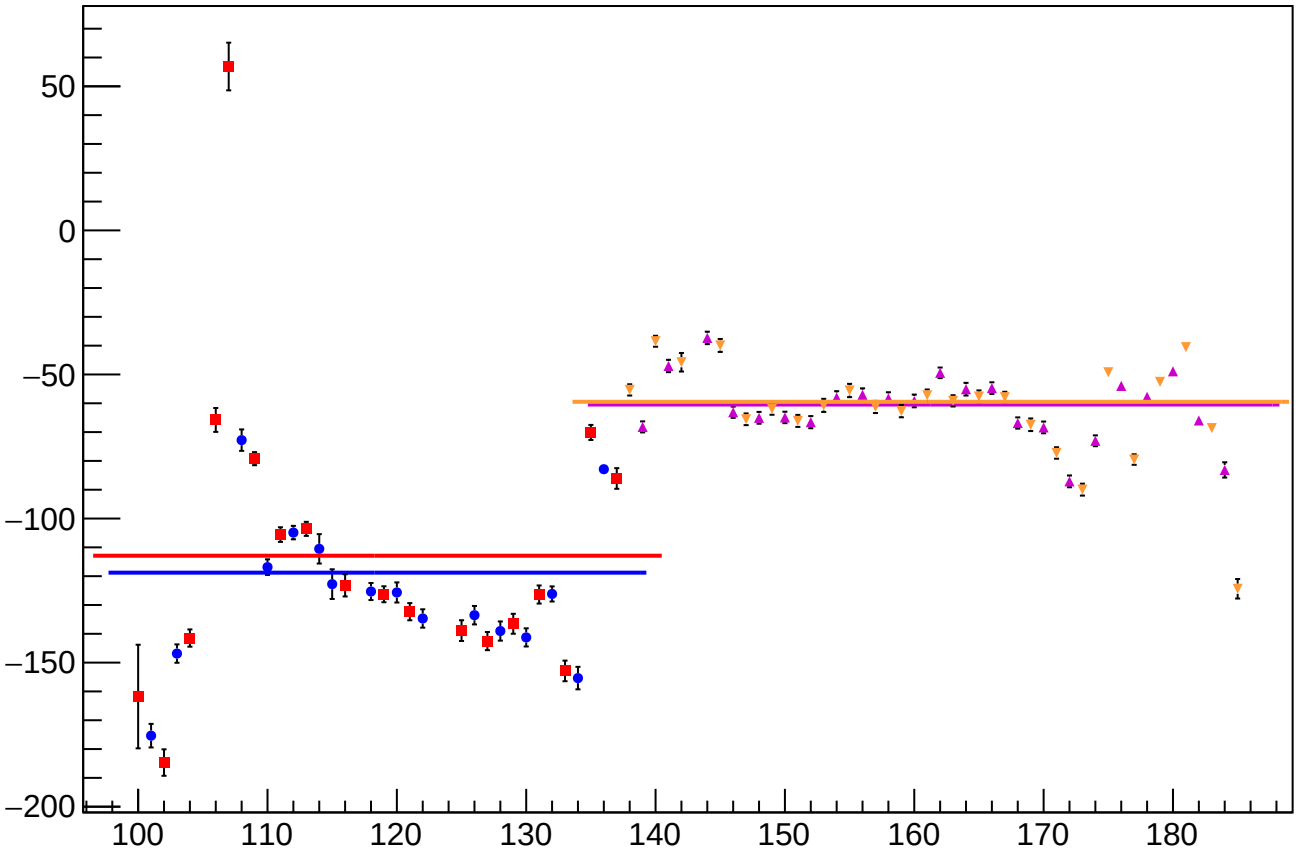
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign -2.092+/-0.340 χ^2/NDF: 6621.1/39

All: -1.809+/-0.240 χ^2/NDF: 12515.9/80

\- sign -1.527+/-0.340 χ^2/NDF: 5893.4/40


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: 4.745+/-0.307 χ²/NDF:793.8/23
Right Out: 2.651+/-0.715 χ²/NDF: 107.2/17
Left In: 4.935+/-0.313 χ²/NDF:688.4/22
+ sign 4.347+/-0.281 χ²/NDF: 956.3/39
All: 4.455+/-0.201 χ²/NDF: 1760.7/80
- sign 4.568+/-0.287 χ²/NDF: 804.1/40



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

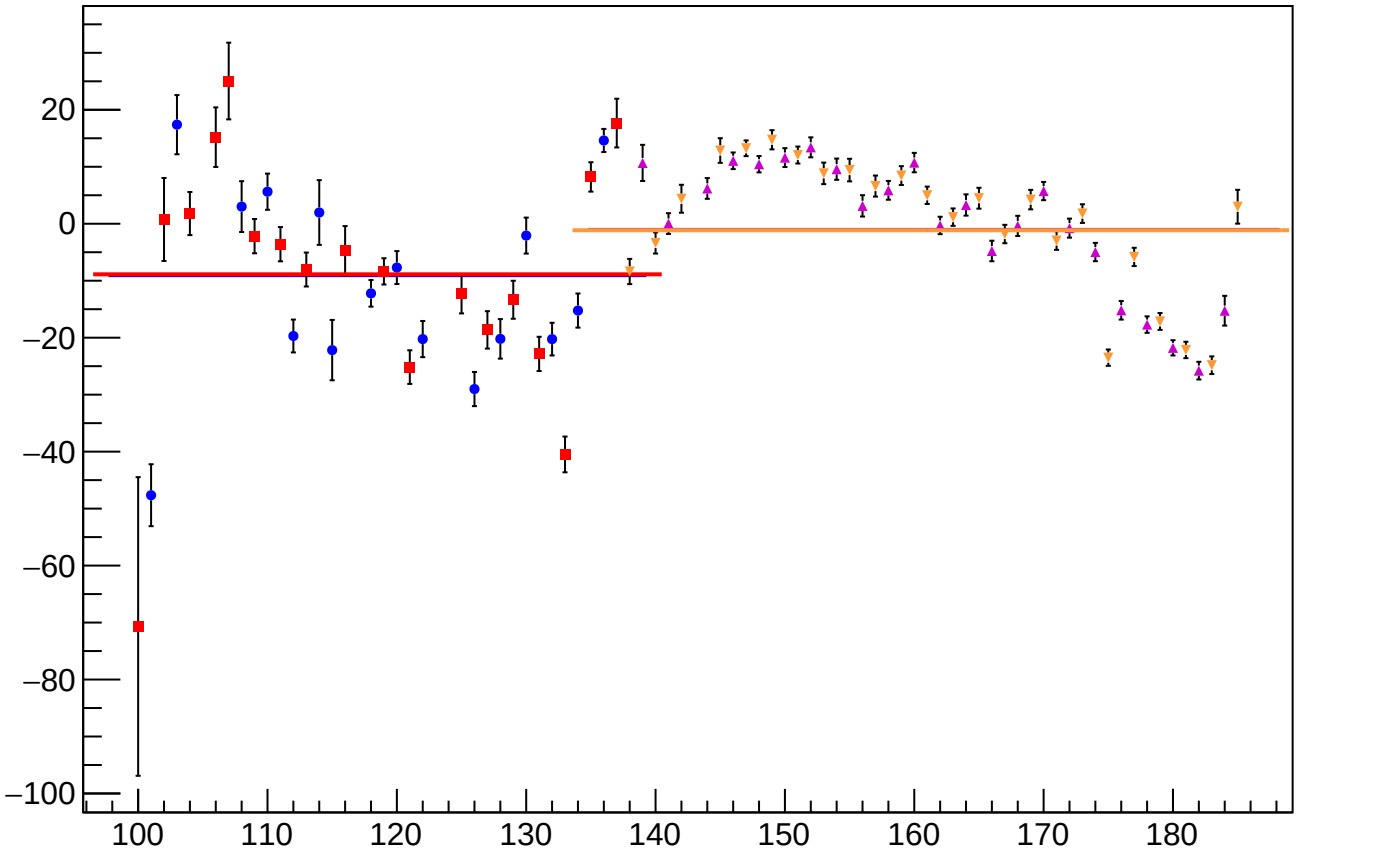
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -72.171+/-0.350 χ^2/NDF: 7316.8/39

All: -71.973+/-0.249 χ^2/NDF: 13574.8/80

\- 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: -1.144+/-0.346 χ^2/NDF:1303.0/23

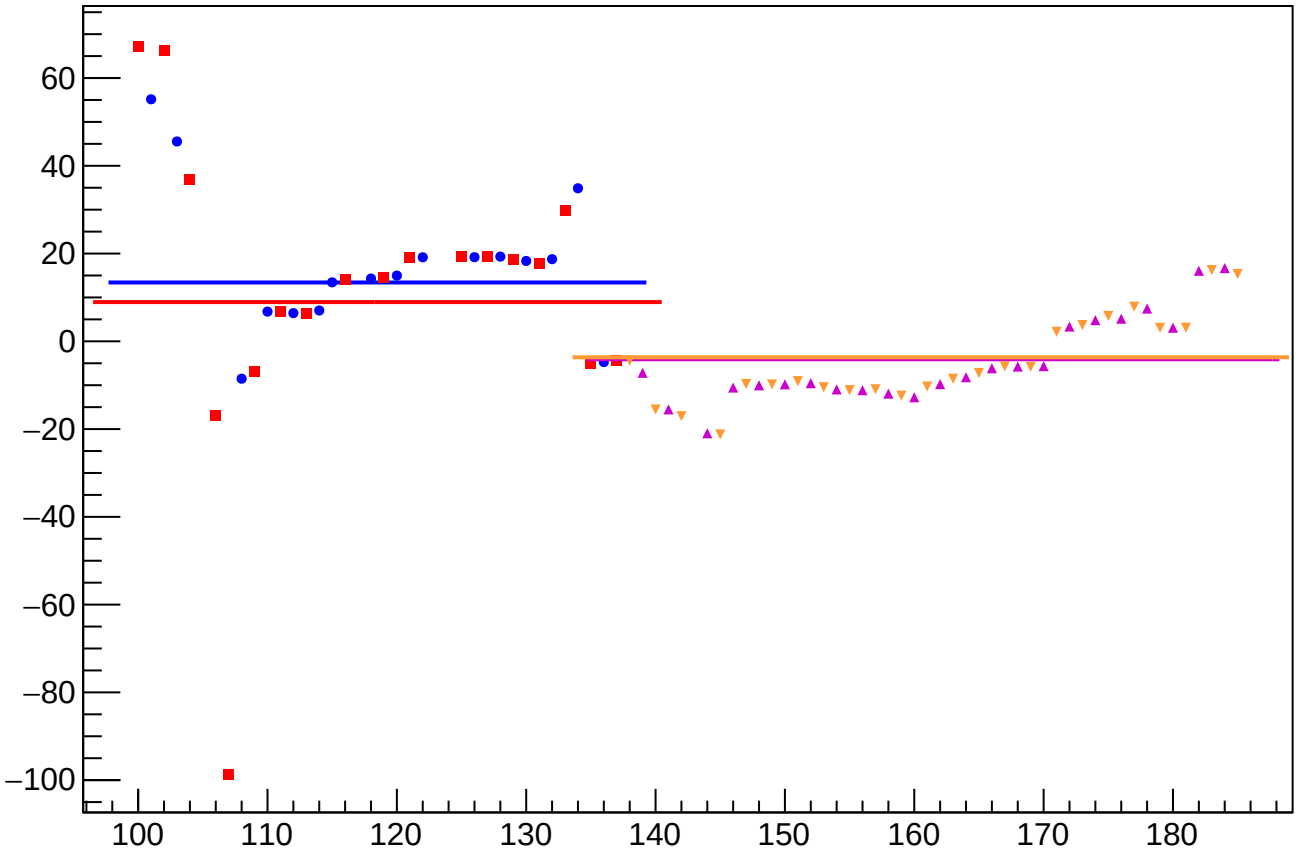
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.394+/-0.317 χ^2/NDF: 1743.4/39

All: -2.357+/-0.226 χ^2/NDF: 3297.5/80

- 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: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

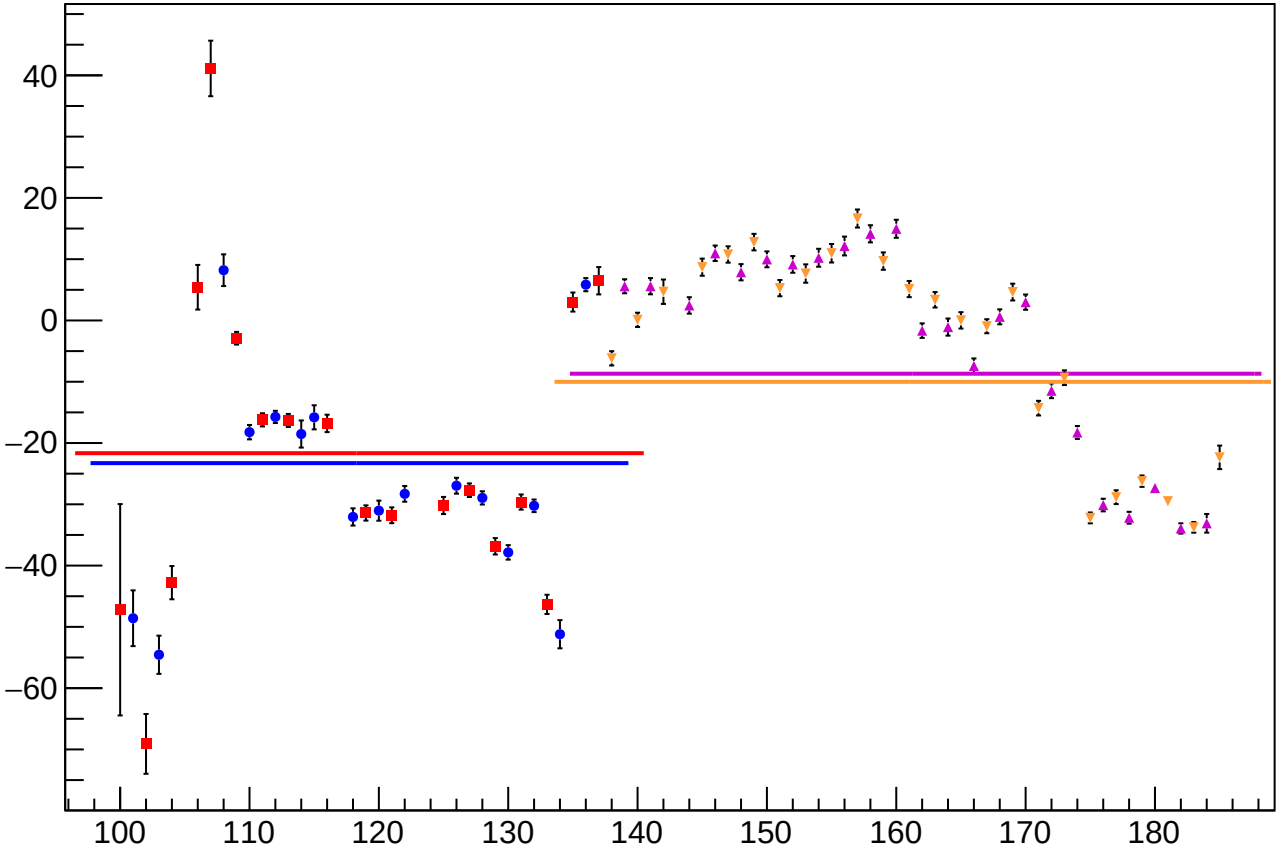
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.861+/-0.015 χ^2/NDF: 656570.8/39

All: -2.340+/-0.010 χ^2/NDF: 1351433.7/80

- sign -2.827+/-0.015 χ^2/NDF: 692698.0/40

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

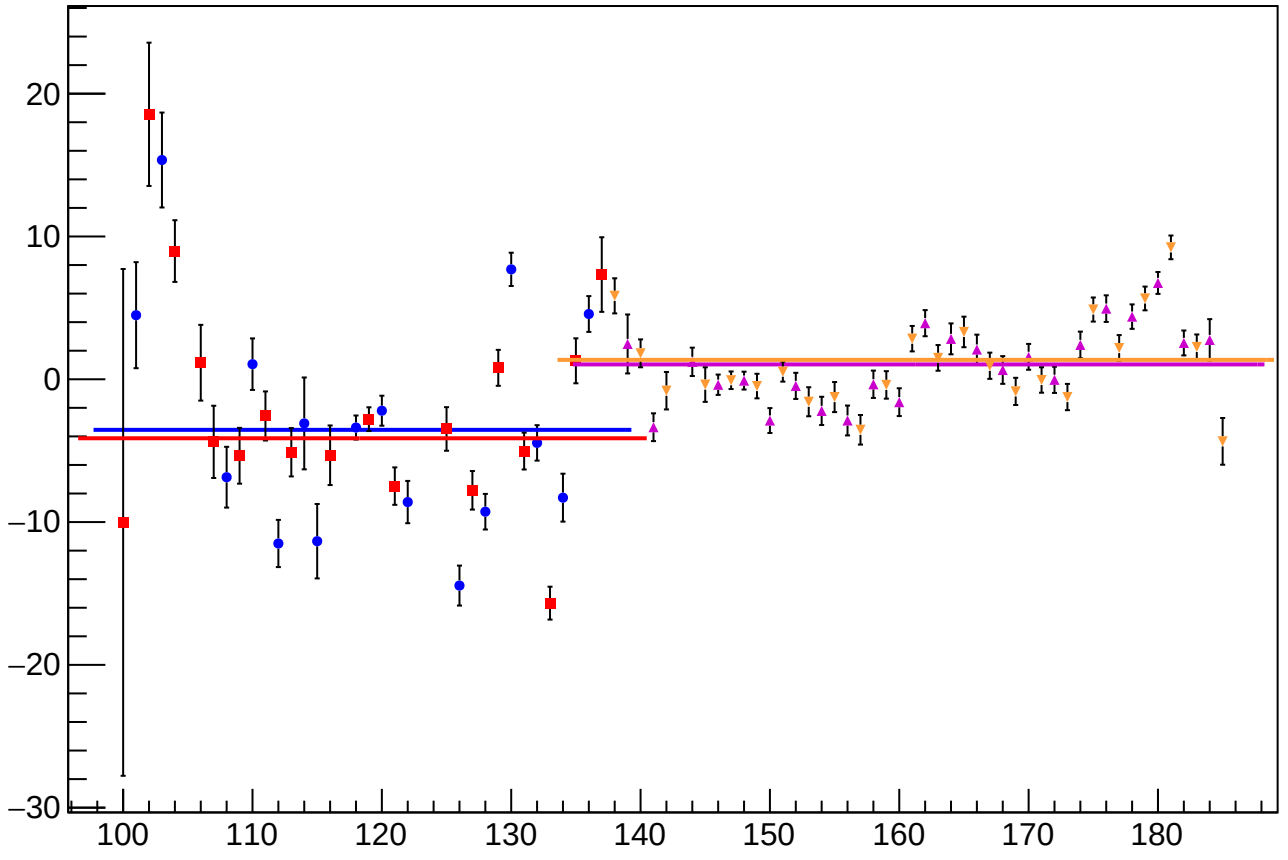
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.353+/-0.200 χ^2/NDF: 7510.1/39

All: -13.711+/-0.142 χ^2/NDF: 15290.5/80

- 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: 1.361+/-0.188 χ^2/NDF:240.3/23

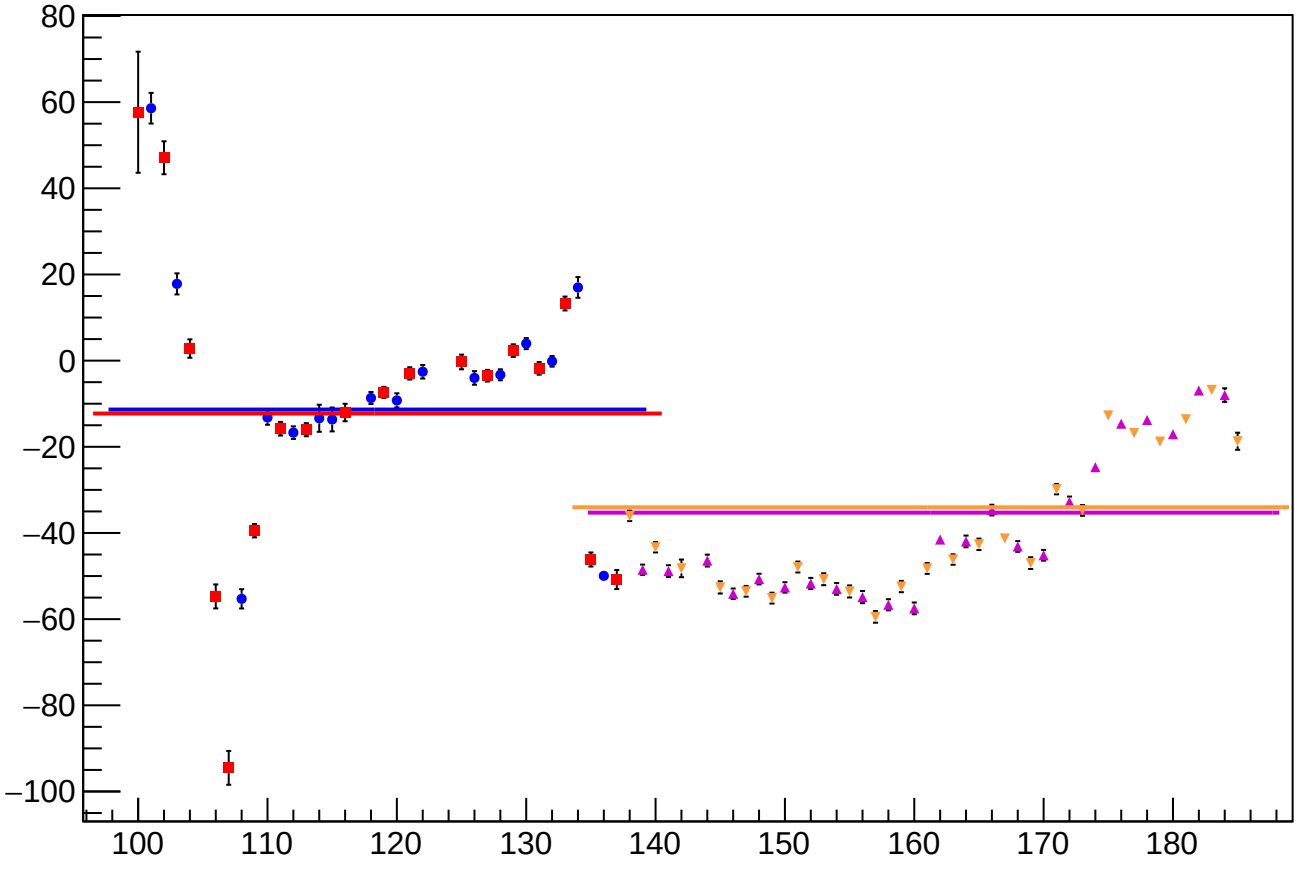
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.320+/-0.167 χ^2/NDF: 701.0/39

All: 0.135+/-0.119 χ^2/NDF: 1280.4/80

- 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: -34.036+/-0.243 χ^2/NDF:4965.7/23

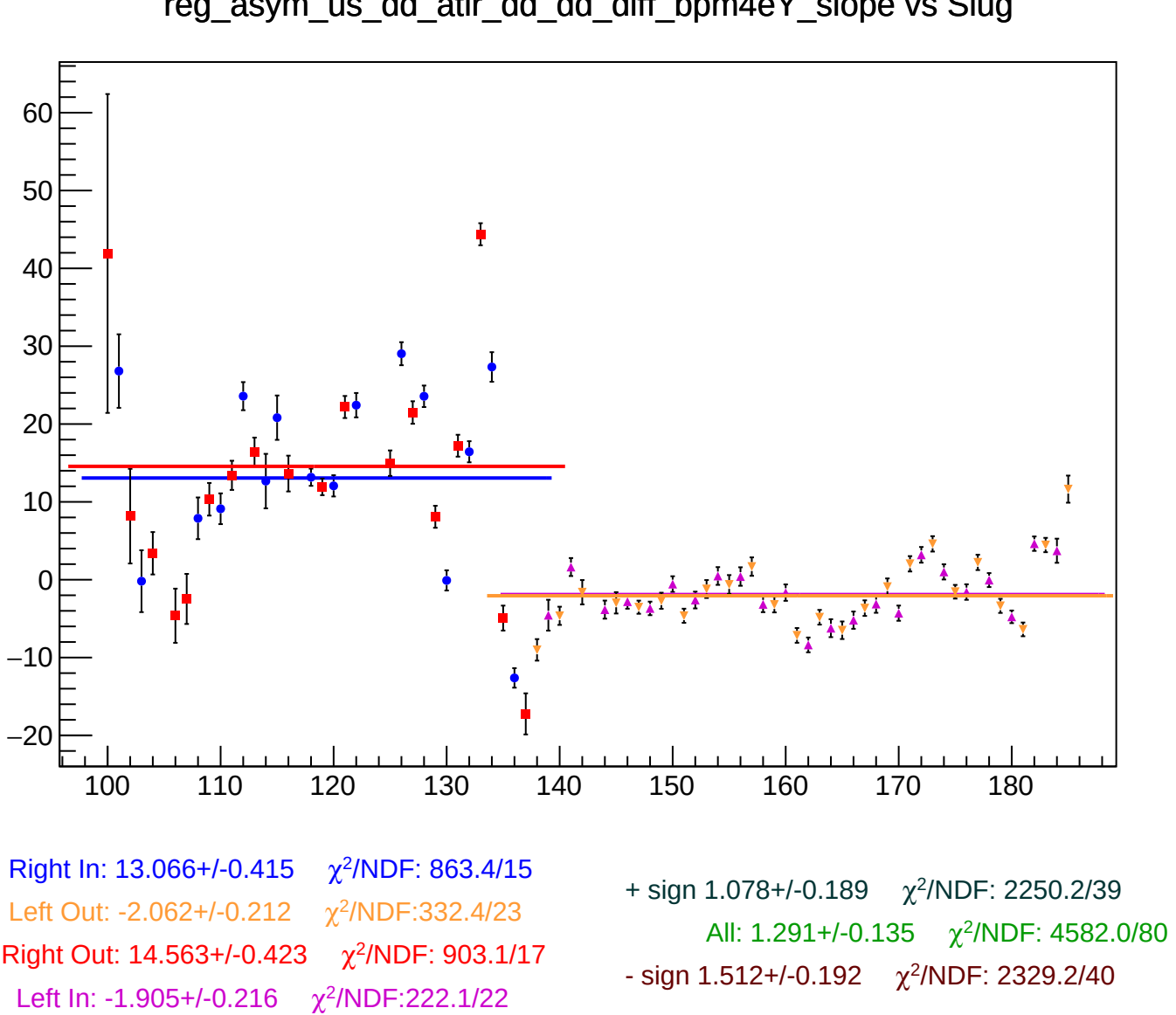
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -28.064+/-0.208 χ^2/NDF: 9930.2/39

All: -28.666+/-0.148 χ^2/NDF: 19827.1/80

- 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
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−20
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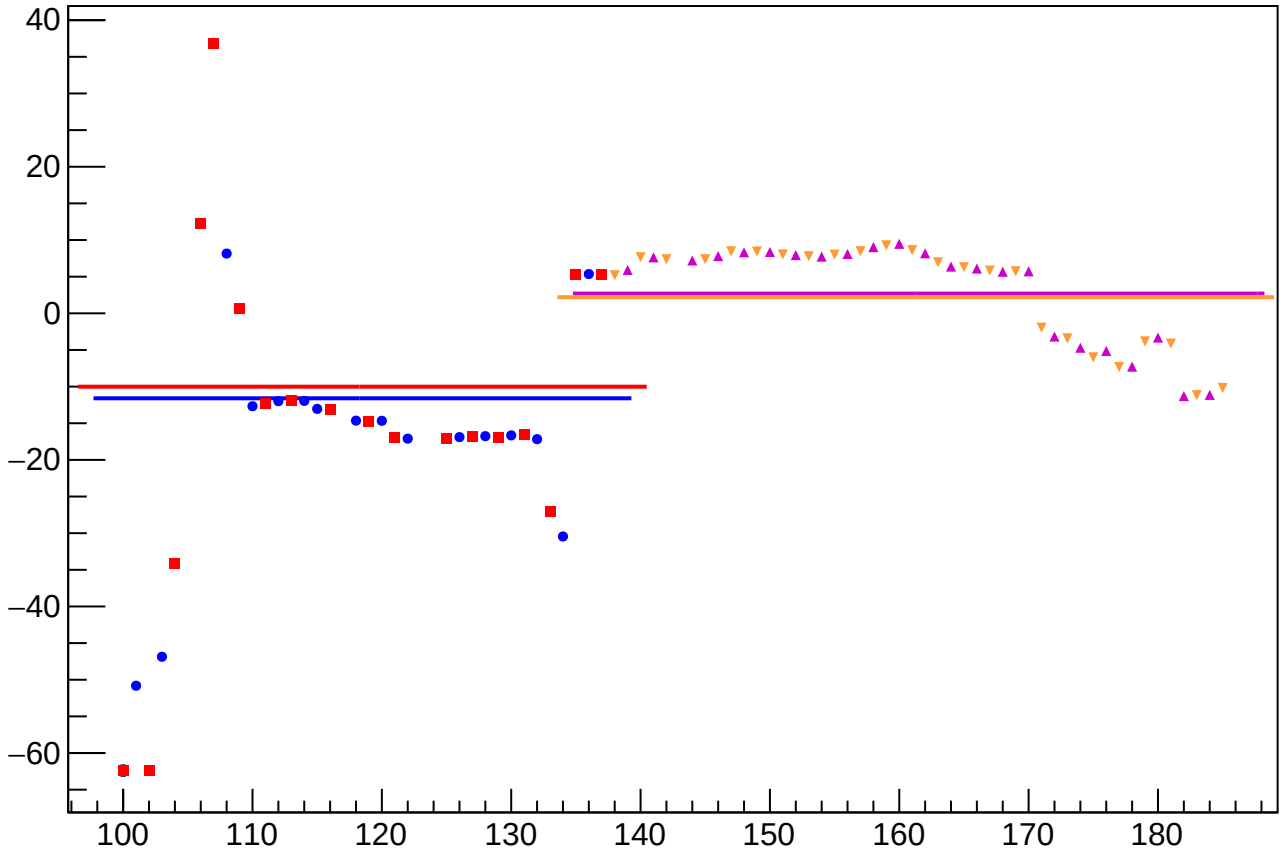
150
160
170
180
Right In: 13.066+/-0.415 χ²/NDF: 863.4/15
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
+ sign 1.078+/-0.189 χ²/NDF: 2250.2/39
All: 1.291+/-0.135 χ²/NDF: 4582.0/80
- sign 1.512+/-0.192 χ²/NDF: 2329.2/40



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

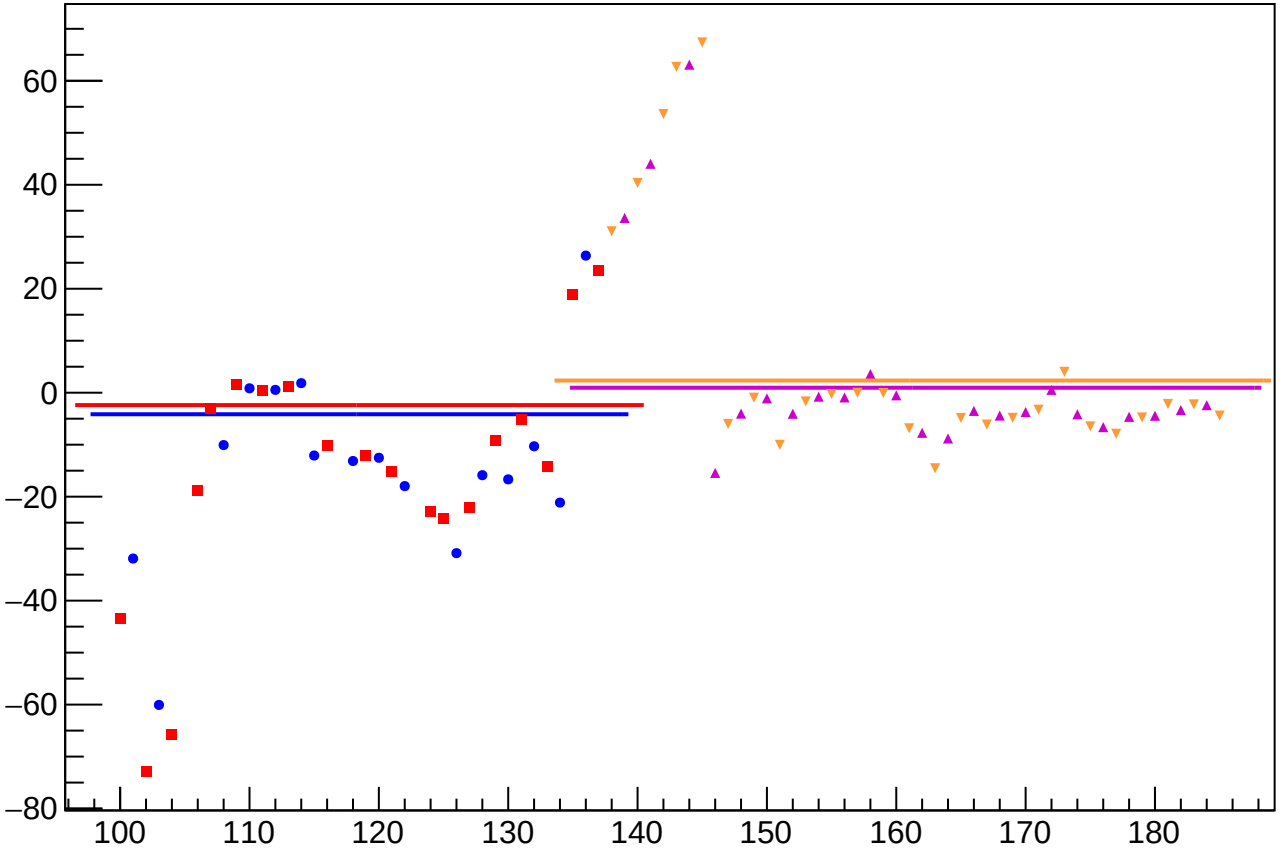
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign 0.609+/-0.009 χ^2/NDF: 1112225.6/39

All: 0.961+/-0.006 χ^2/NDF: 2201658.9/80

\- 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: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

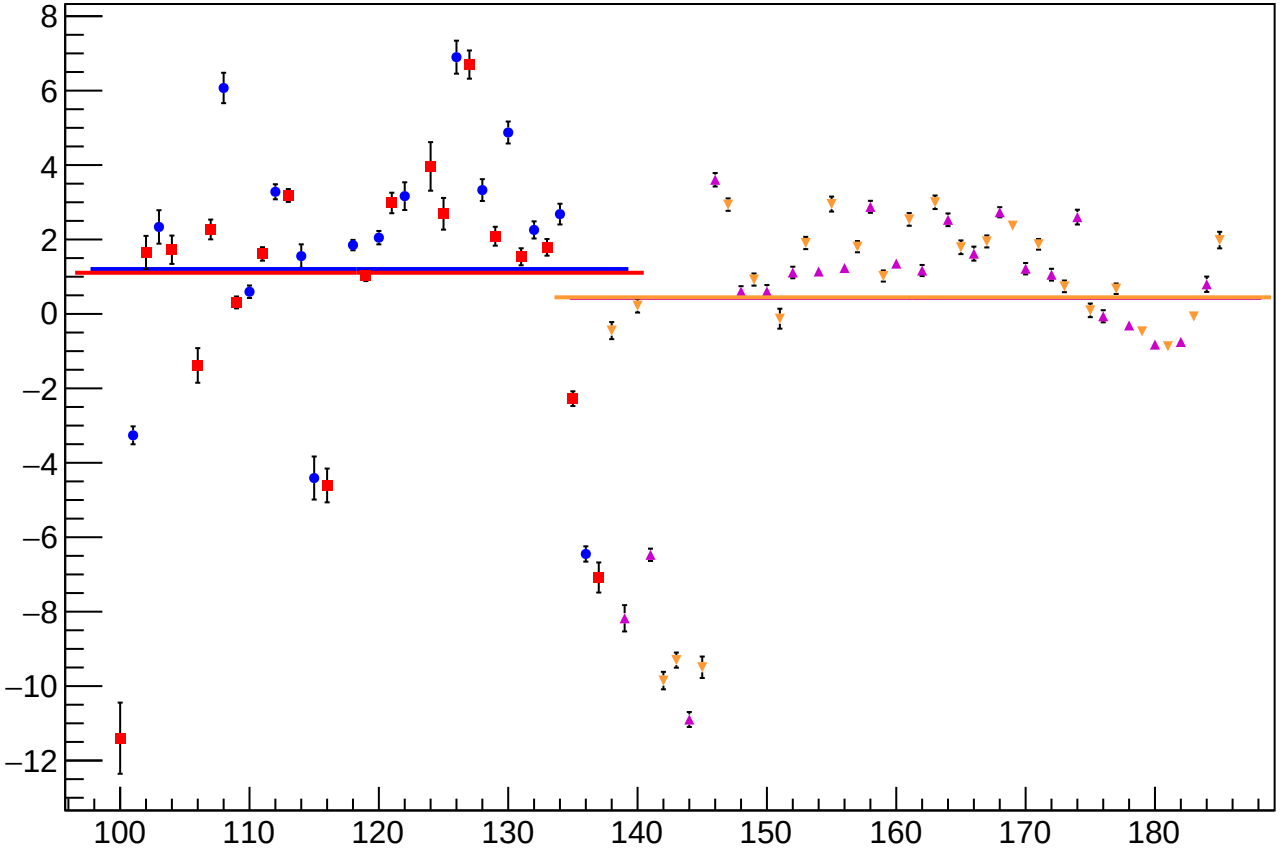
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.061+/-0.032 χ^2/NDF: 261372.7/40

All: -0.225+/-0.022 χ^2/NDF: 477781.2/82

- 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: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

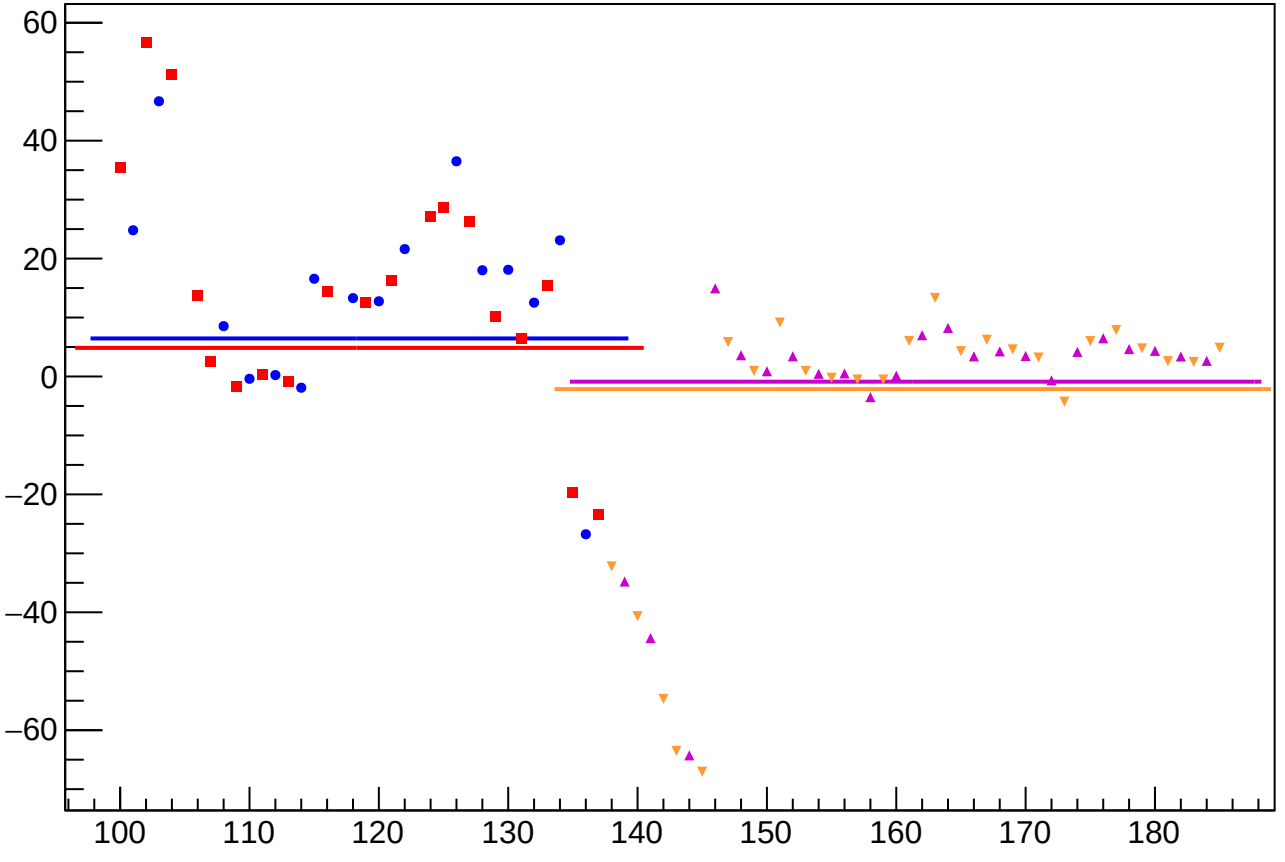
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.619+/-0.029 χ^2/NDF: 9750.9/40

All: 0.601+/-0.020 χ^2/NDF: 18549.2/82

- 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: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

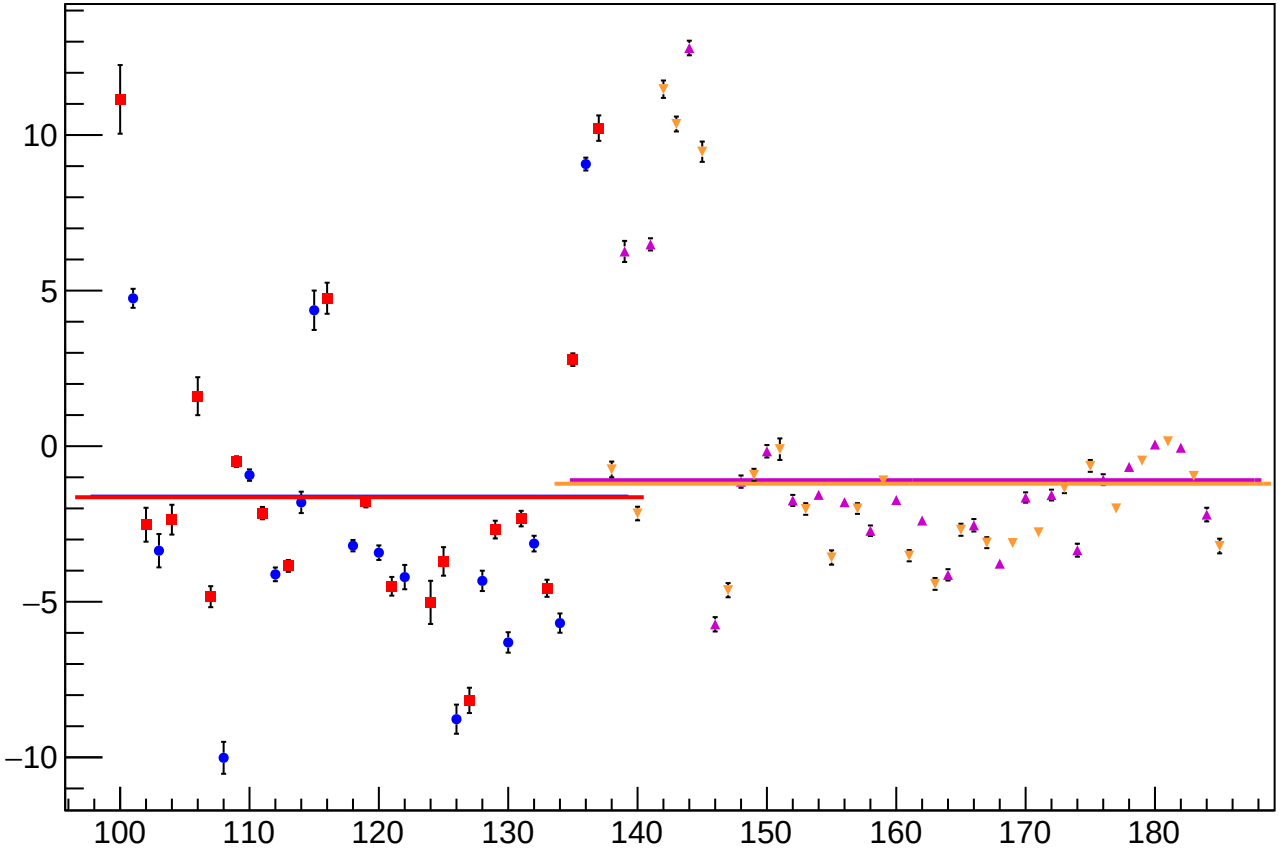
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign 0.229+/-0.034 χ^2/NDF: 254523.5/40

All: 0.568+/-0.024 χ^2/NDF: 465691.9/82

- sign 0.878+/-0.033 χ^2/NDF: 210980.9/41

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

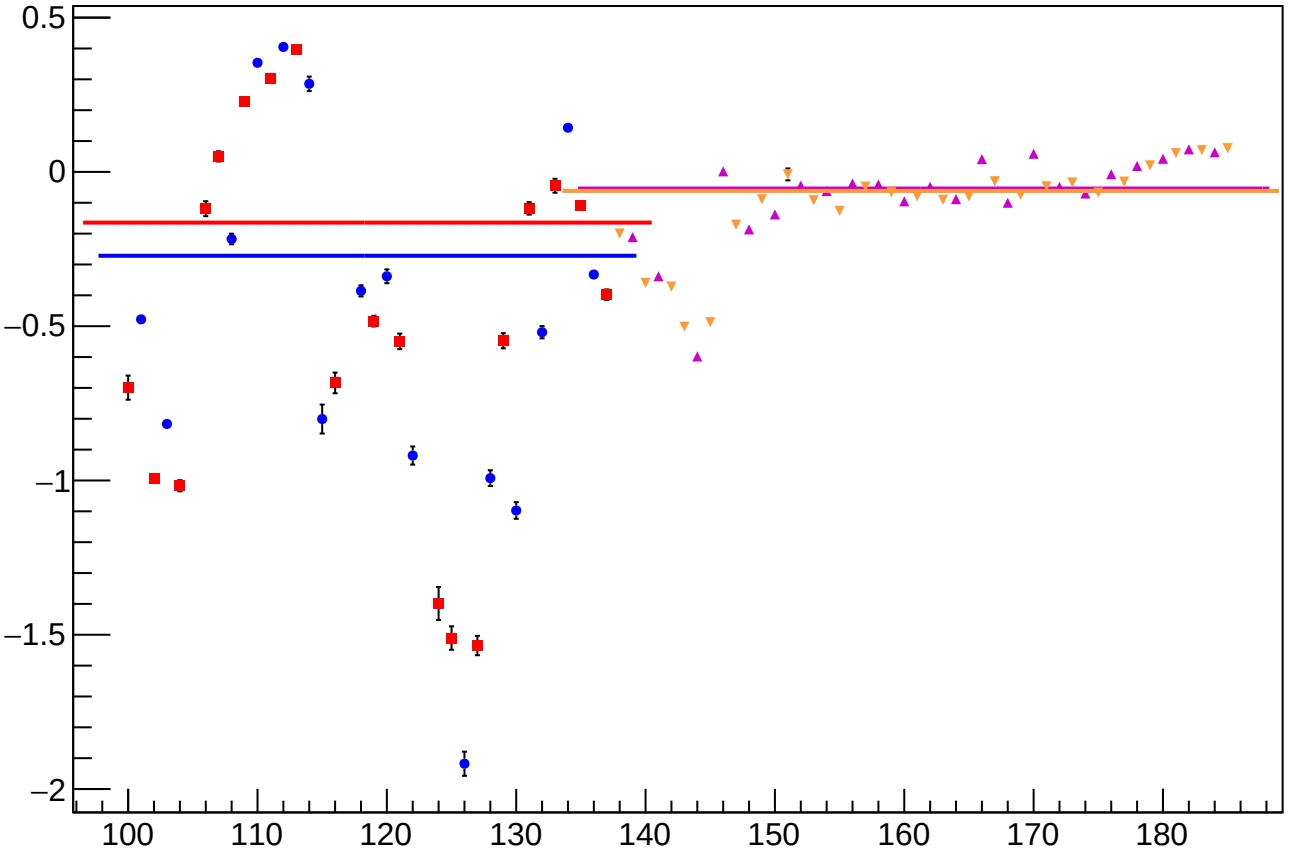
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.295+/-0.032 χ^2/NDF: 11556.3/40

All: -1.254+/-0.022 χ^2/NDF: 21106.3/82

- sign -1.217+/-0.031 χ^2/NDF: 9546.8/41



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

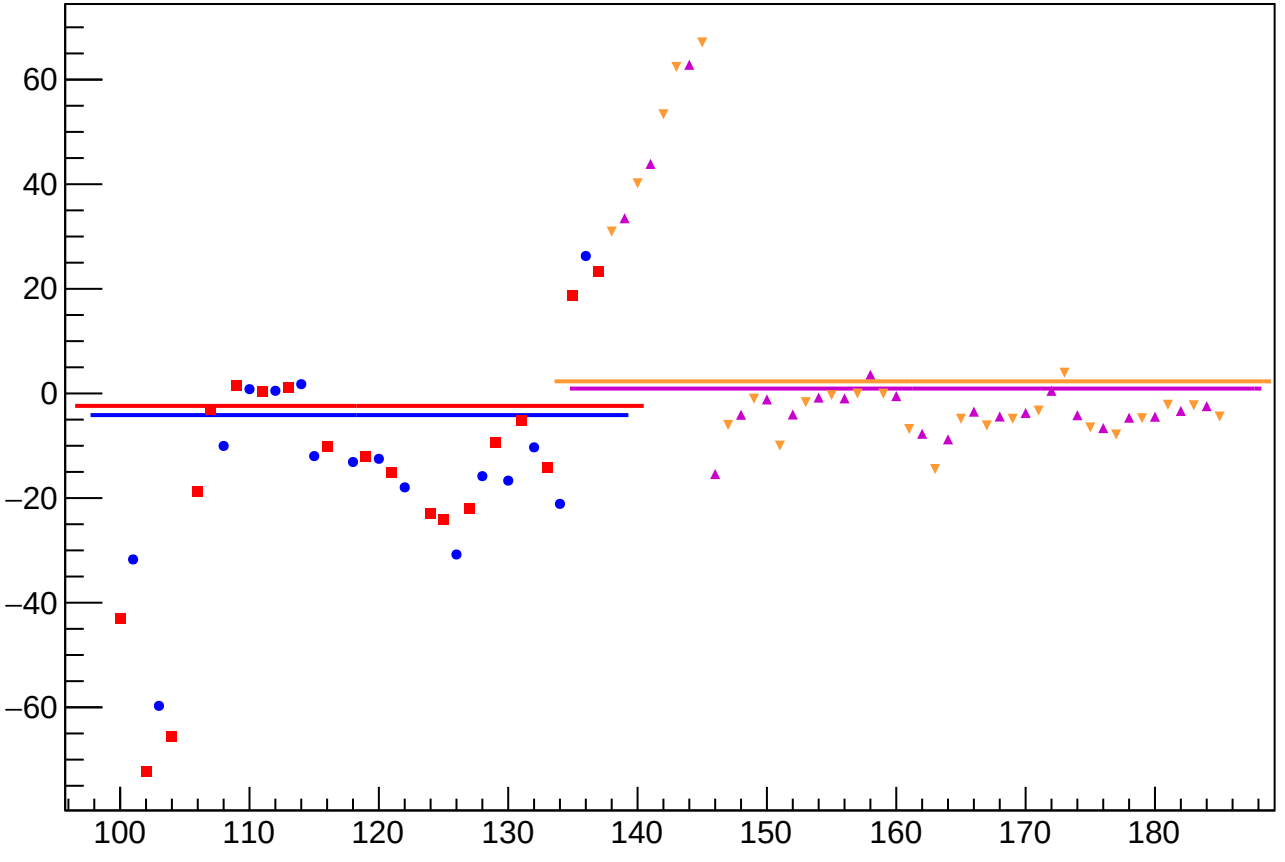
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.088+/-0.001 χ^2/NDF: 19991.7/40

All: -0.078+/-0.001 χ^2/NDF: 41345.0/82

- 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: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

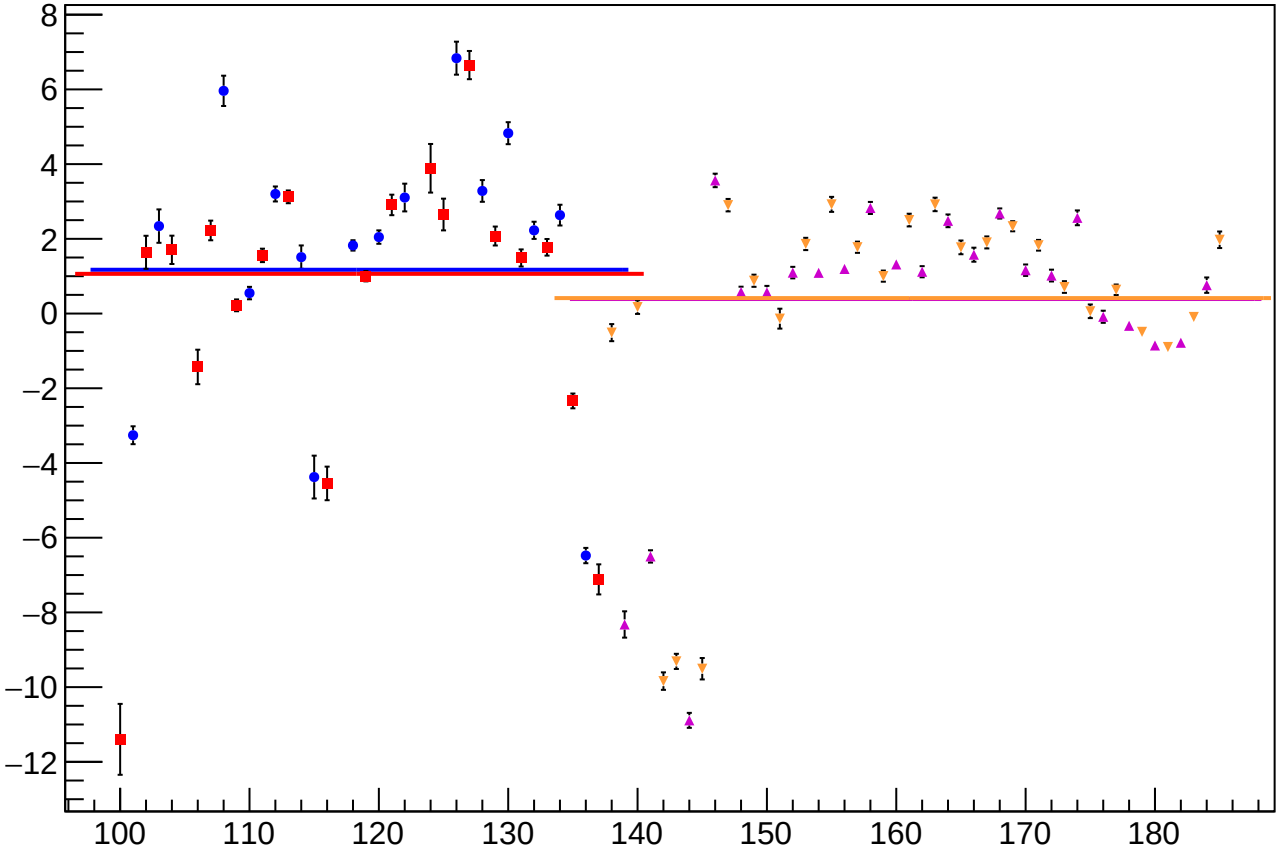
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

\+ sign 0.039+/-0.032 χ^2/NDF: 261120.9/40

All: -0.244+/-0.022 χ^2/NDF: 477320.1/82

\- 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: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

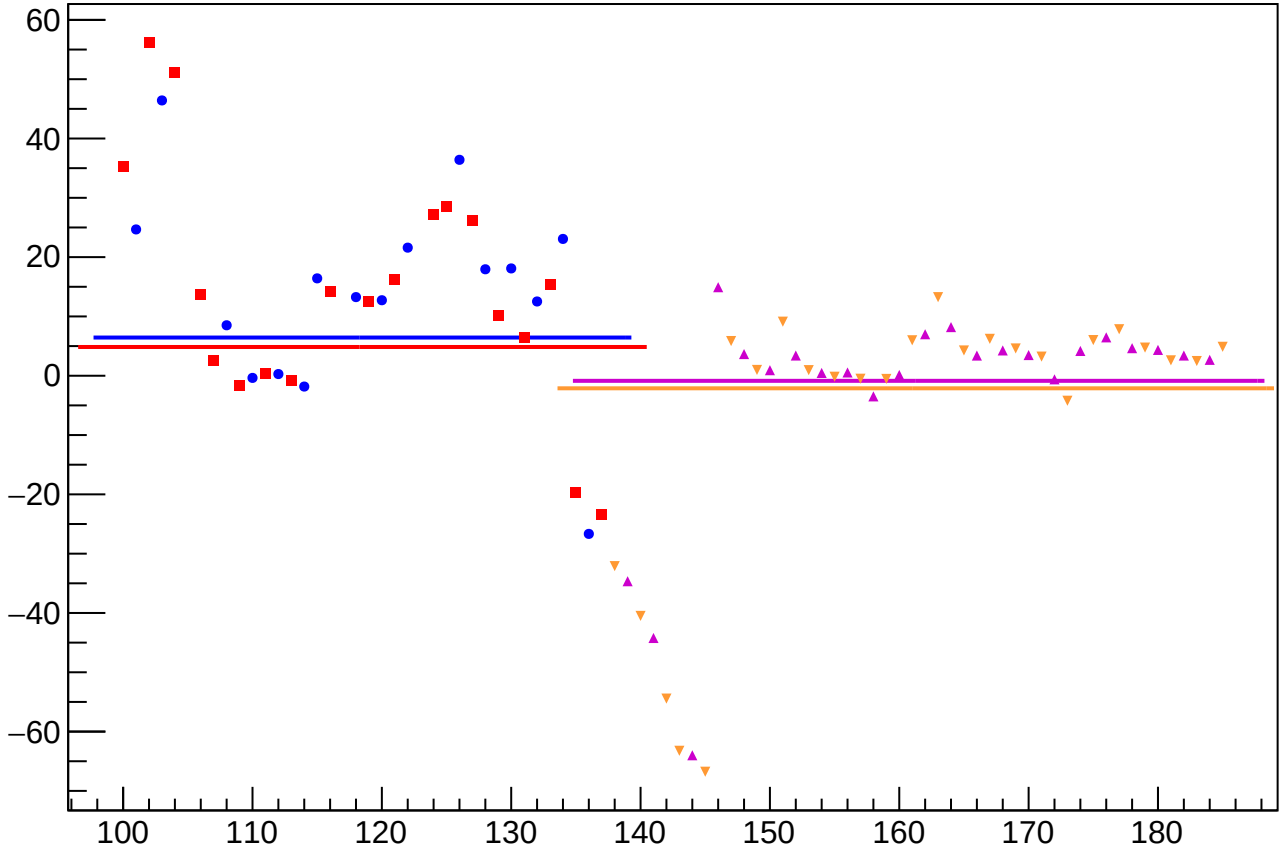
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.587+/-0.029 χ^2/NDF: 9754.5/40

All: 0.565+/-0.020 χ^2/NDF: 18573.8/82

- 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: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

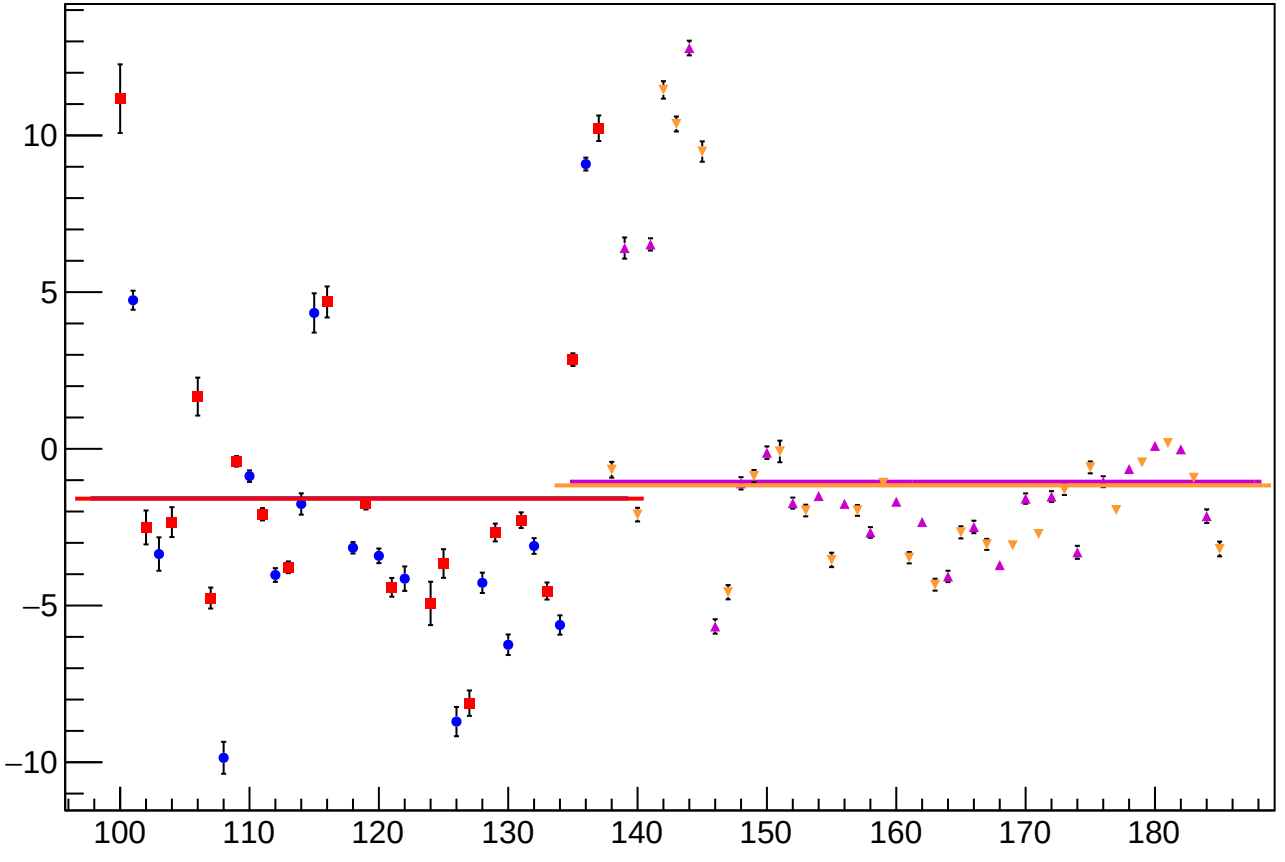
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

\+ sign 0.250+/-0.034 χ^2/NDF: 254273.3/40

All: 0.589+/-0.024 χ^2/NDF: 465220.9/82

\- 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: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

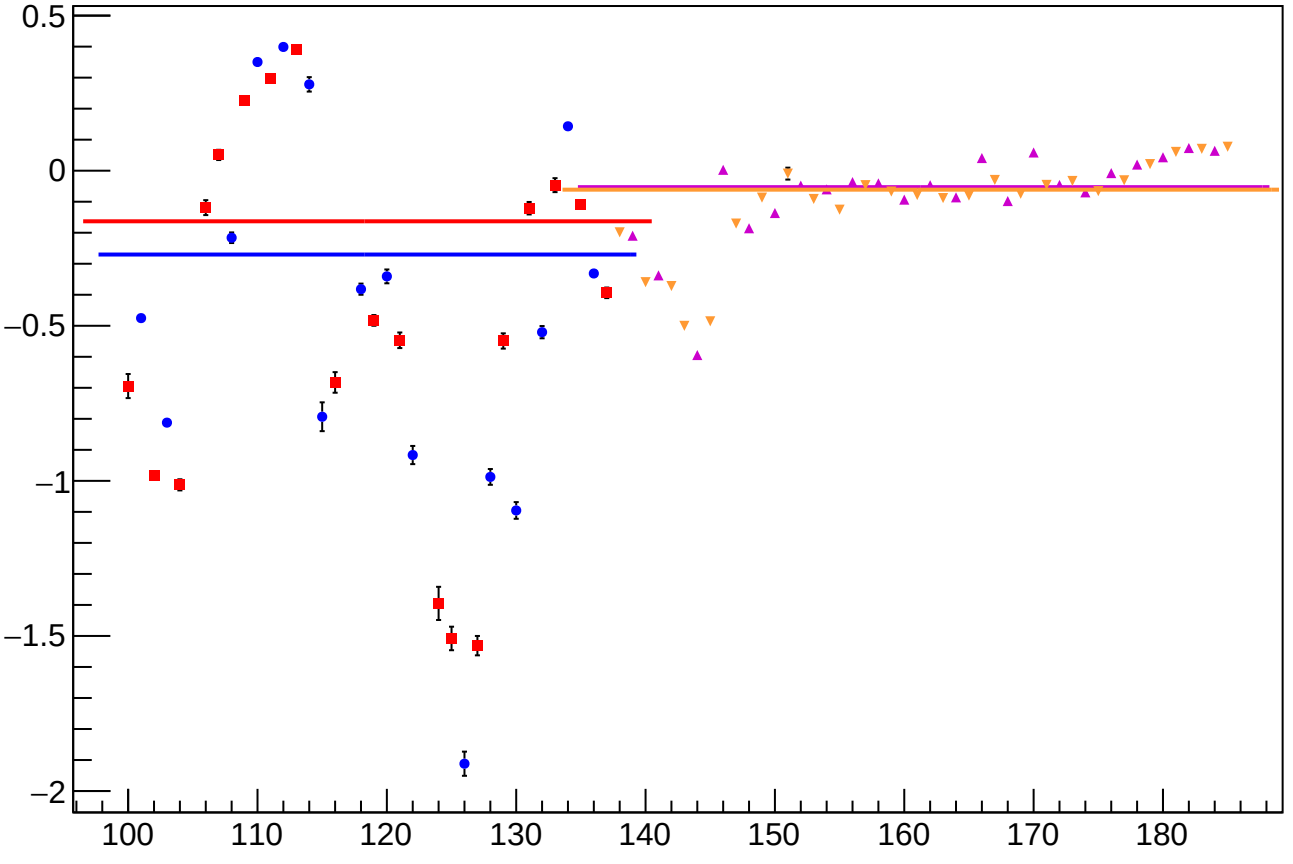
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.256+/-0.032 χ^2/NDF: 11553.5/40

All: -1.211+/-0.022 χ^2/NDF: 21125.0/82

- 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: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

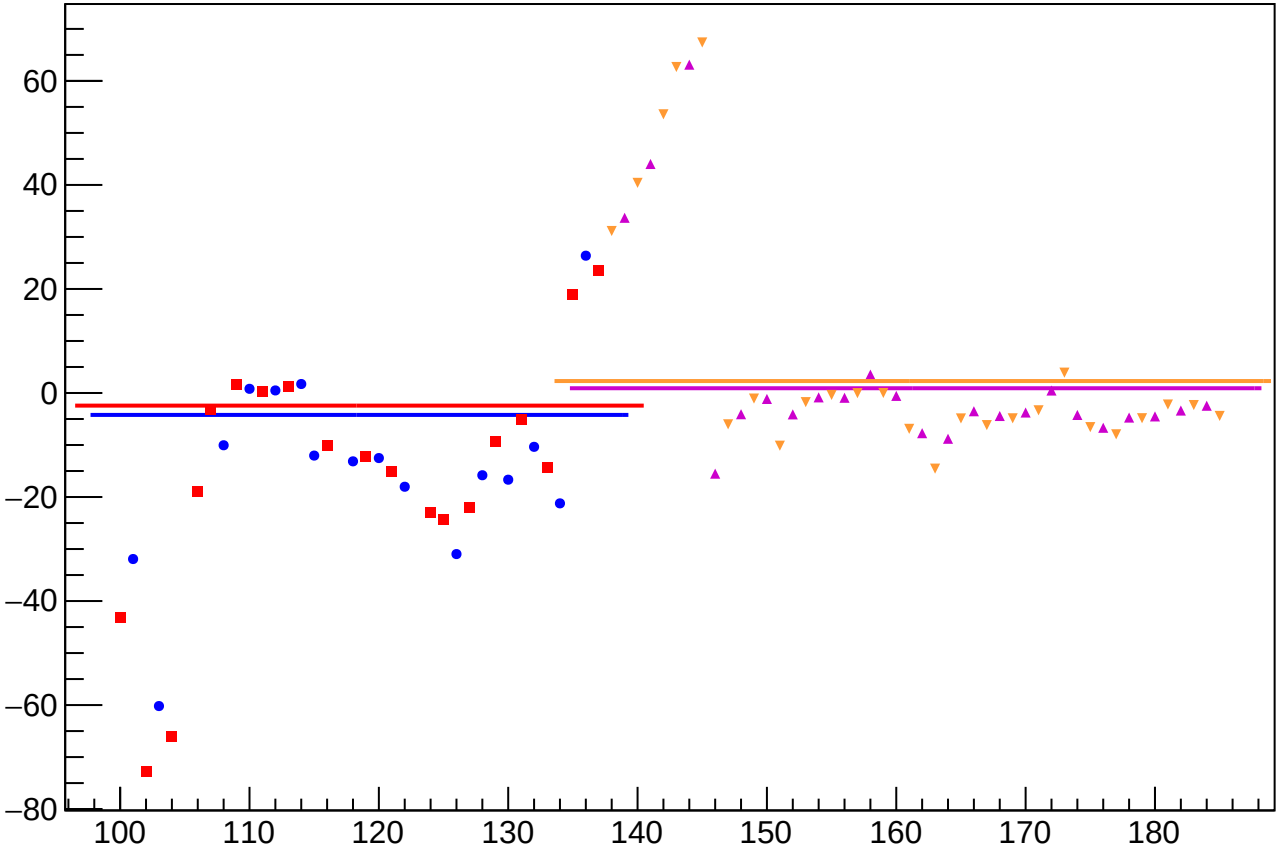
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.088+/-0.001 χ^2/NDF: 19998.6/40

All: -0.077+/-0.001 χ^2/NDF: 41346.5/82

- 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: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

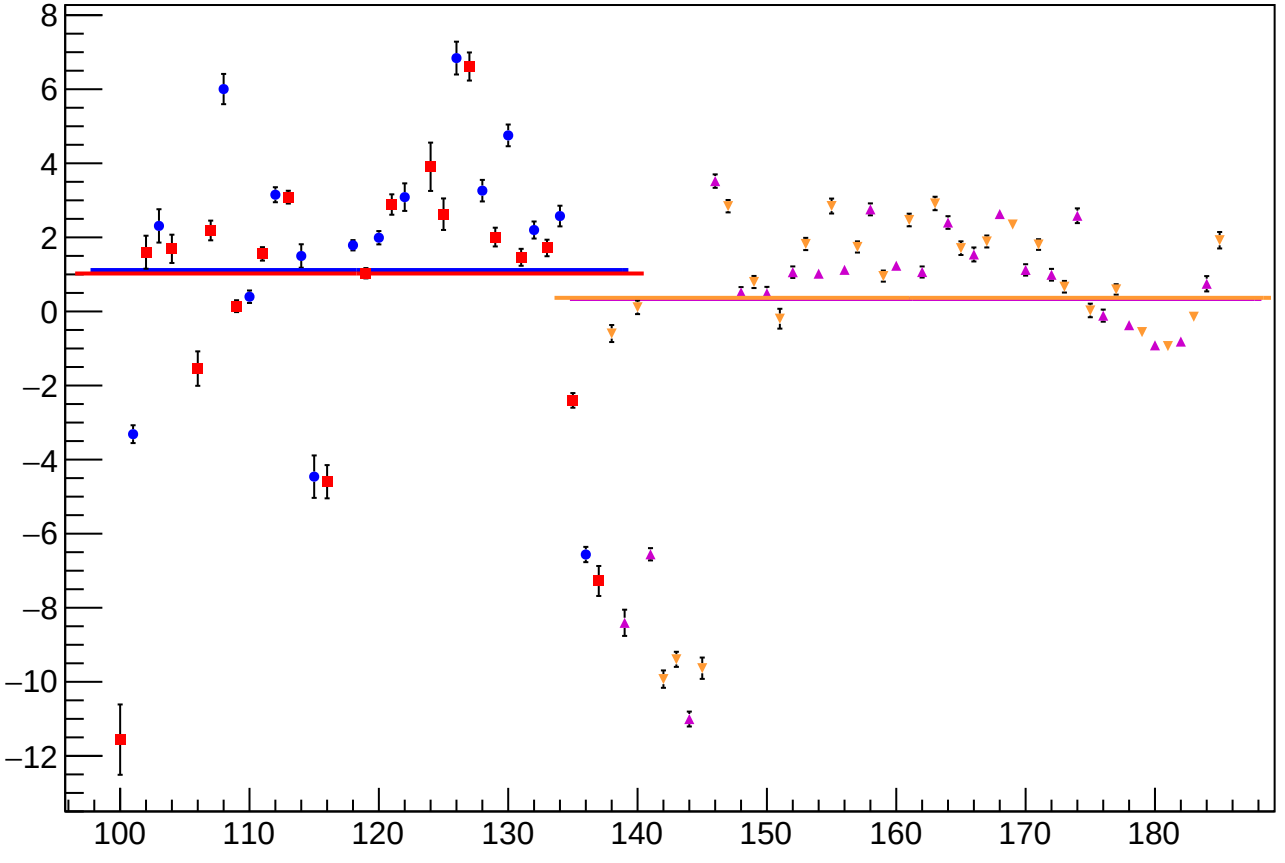
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.006+/-0.032 χ^2/NDF: 261581.3/40

All: -0.274+/-0.022 χ^2/NDF: 478009.6/82

- 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: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

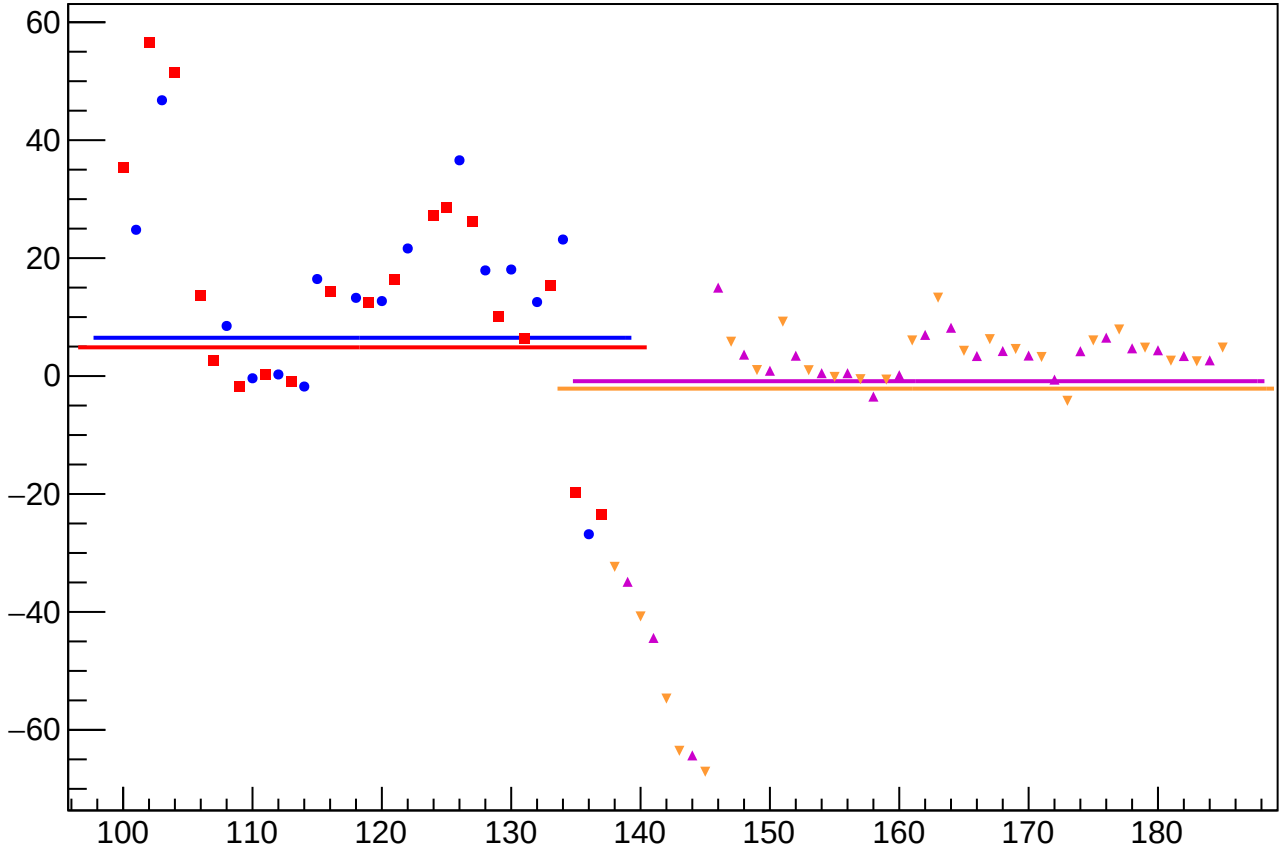
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.539+/-0.029 χ^2/NDF: 9778.7/40

All: 0.517+/-0.020 χ^2/NDF: 18597.1/82

- 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: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

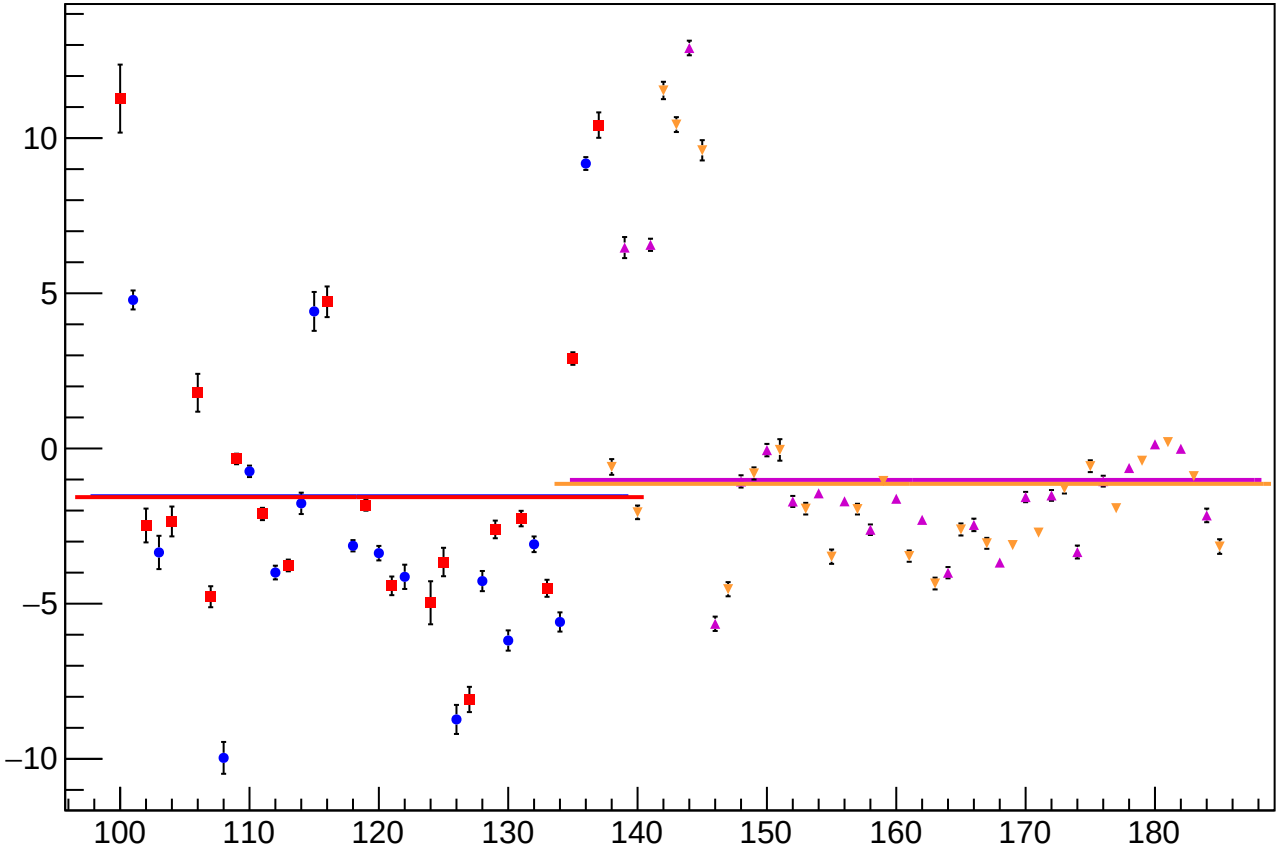
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign 0.249+/-0.034 χ^2/NDF: 254748.6/40

All: 0.584+/-0.024 χ^2/NDF: 465978.3/82

- 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: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

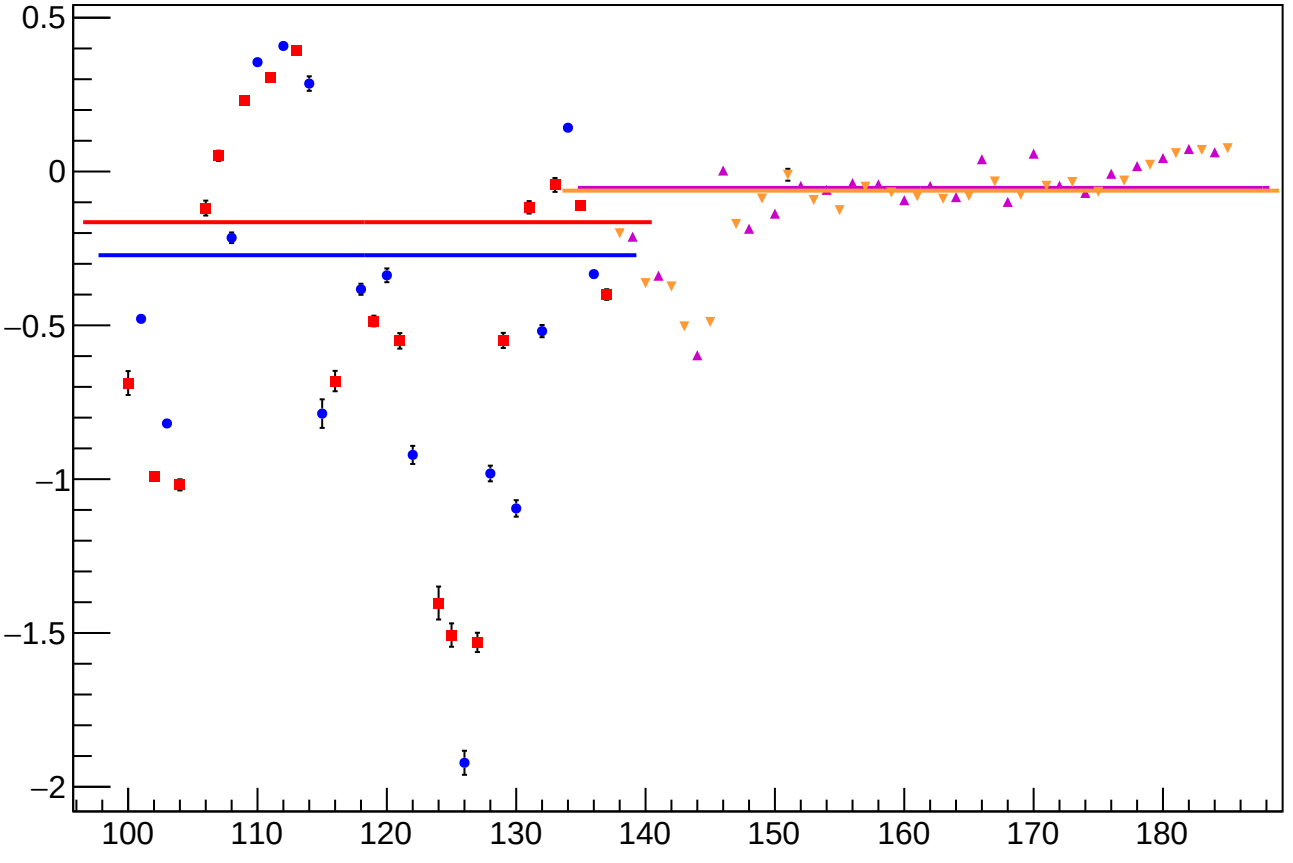
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.225+/-0.032 χ^2/NDF: 11584.8/40

All: -1.180+/-0.022 χ^2/NDF: 21169.8/82

- 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: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

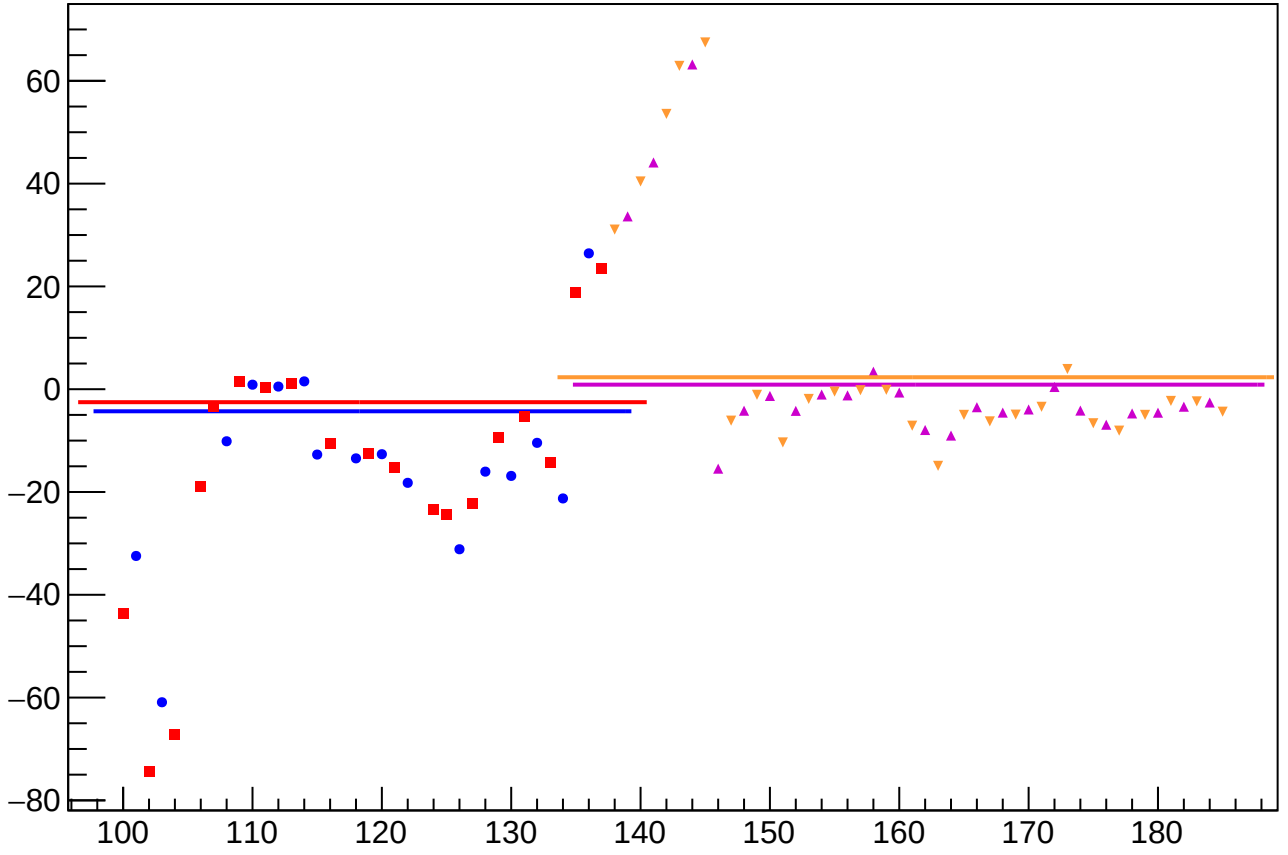
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.089+/-0.001 χ^2/NDF: 20025.1/40

All: -0.078+/-0.001 χ^2/NDF: 41355.3/82

- 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: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

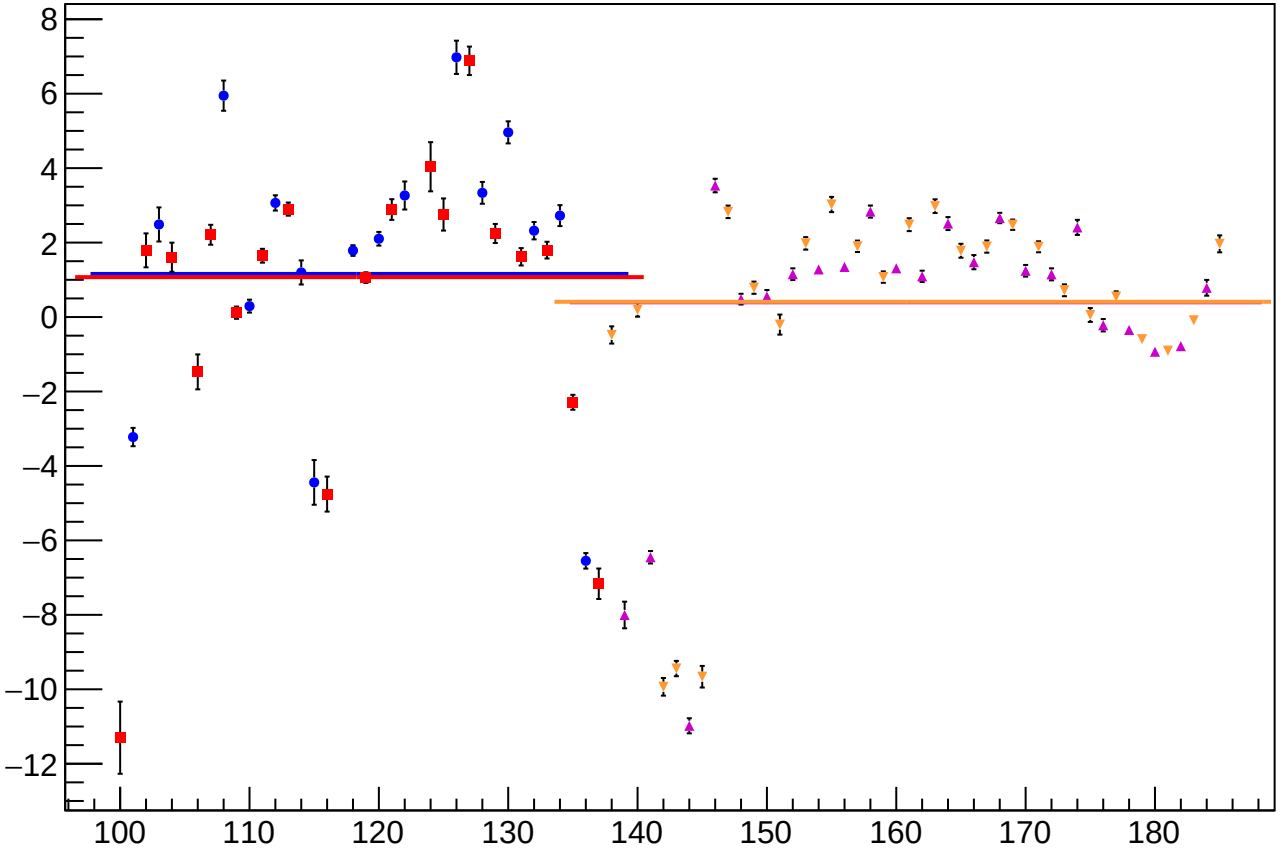
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign -0.003+/-0.033 χ^2/NDF: 258020.3/40

All: -0.306+/-0.023 χ^2/NDF: 471468.3/82

- 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: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

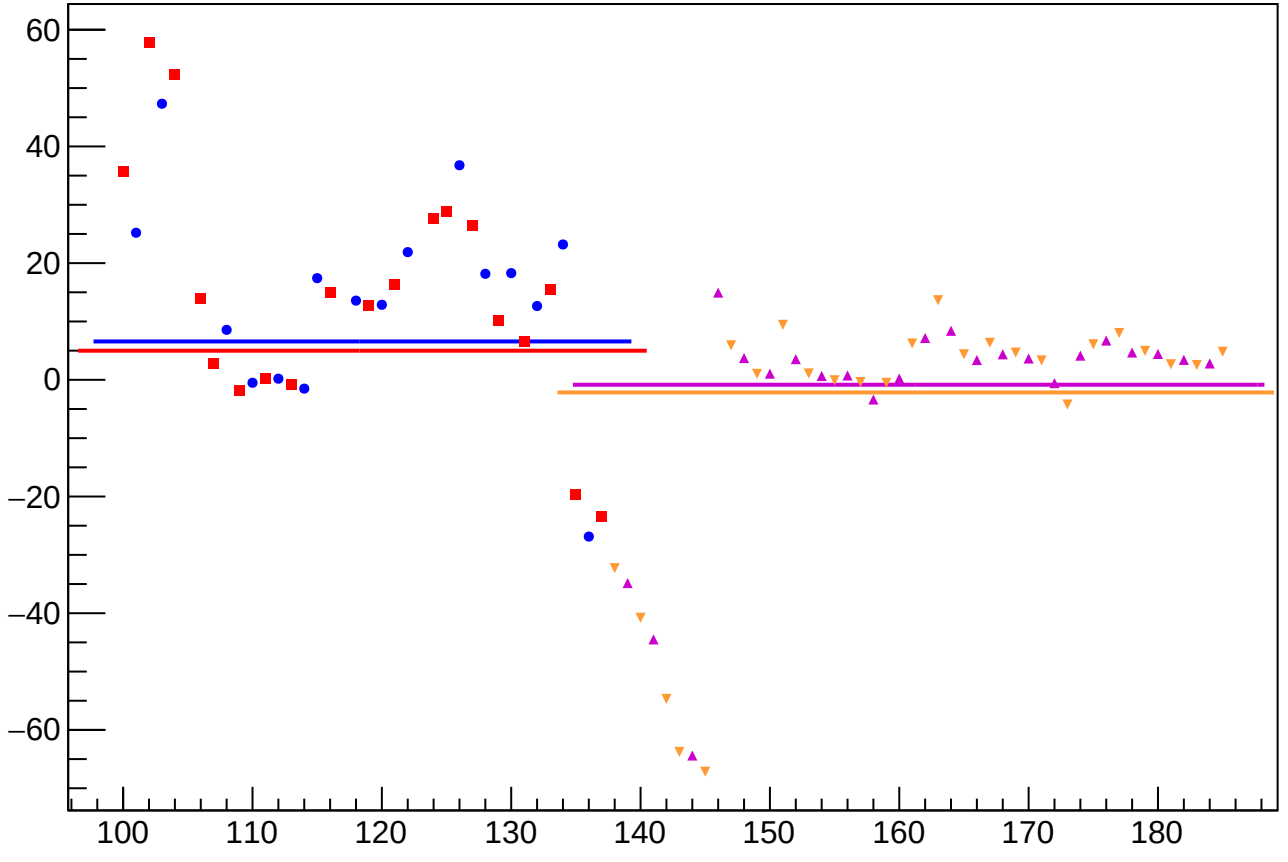
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.581+/-0.029 χ^2/NDF: 9711.9/40

All: 0.566+/-0.020 χ^2/NDF: 18298.7/82

- 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: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

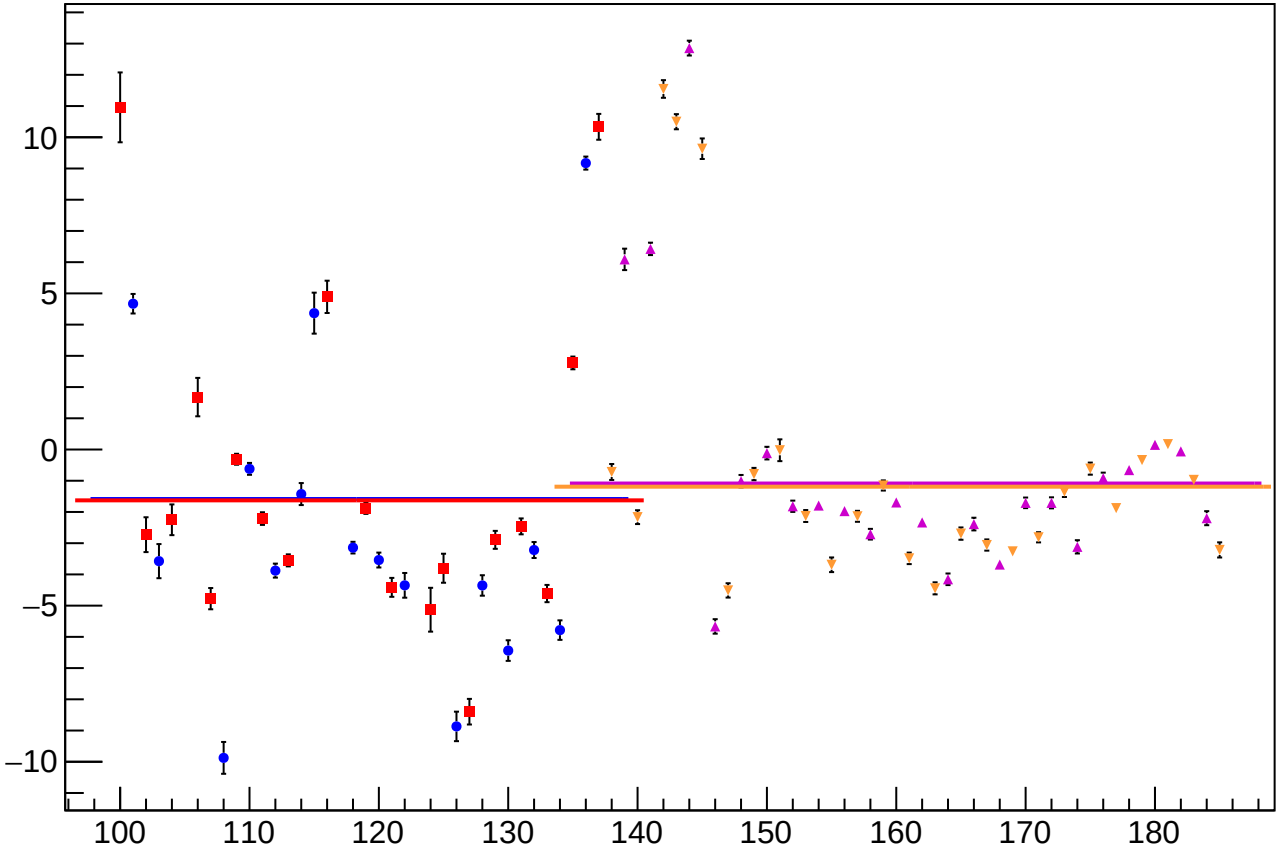
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

\+ sign 0.255+/-0.035 χ^2/NDF: 251259.9/40

All: 0.615+/-0.024 χ^2/NDF: 459526.6/82

\- 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: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

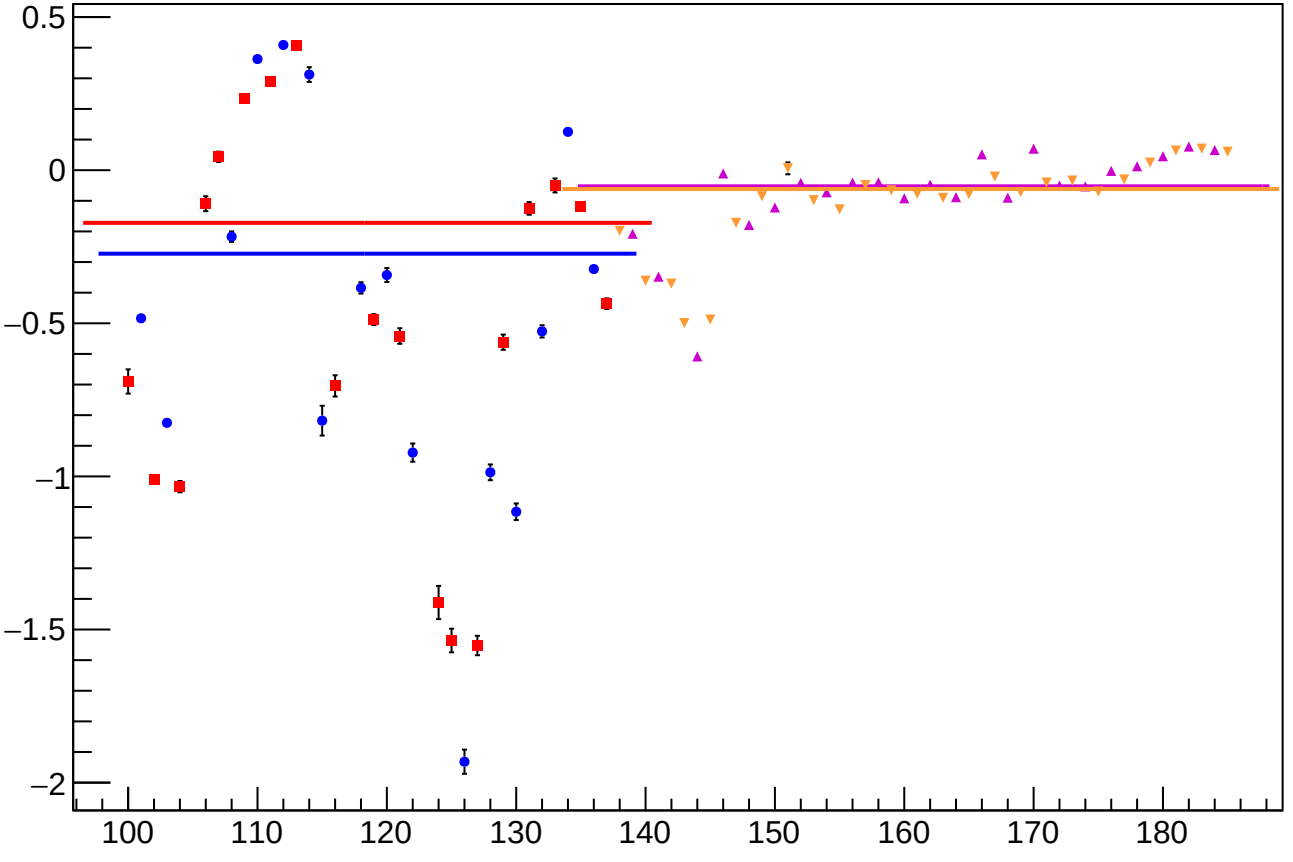
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.275+/-0.033 χ^2/NDF: 11493.0/40

All: -1.242+/-0.023 χ^2/NDF: 20809.9/82

- 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: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

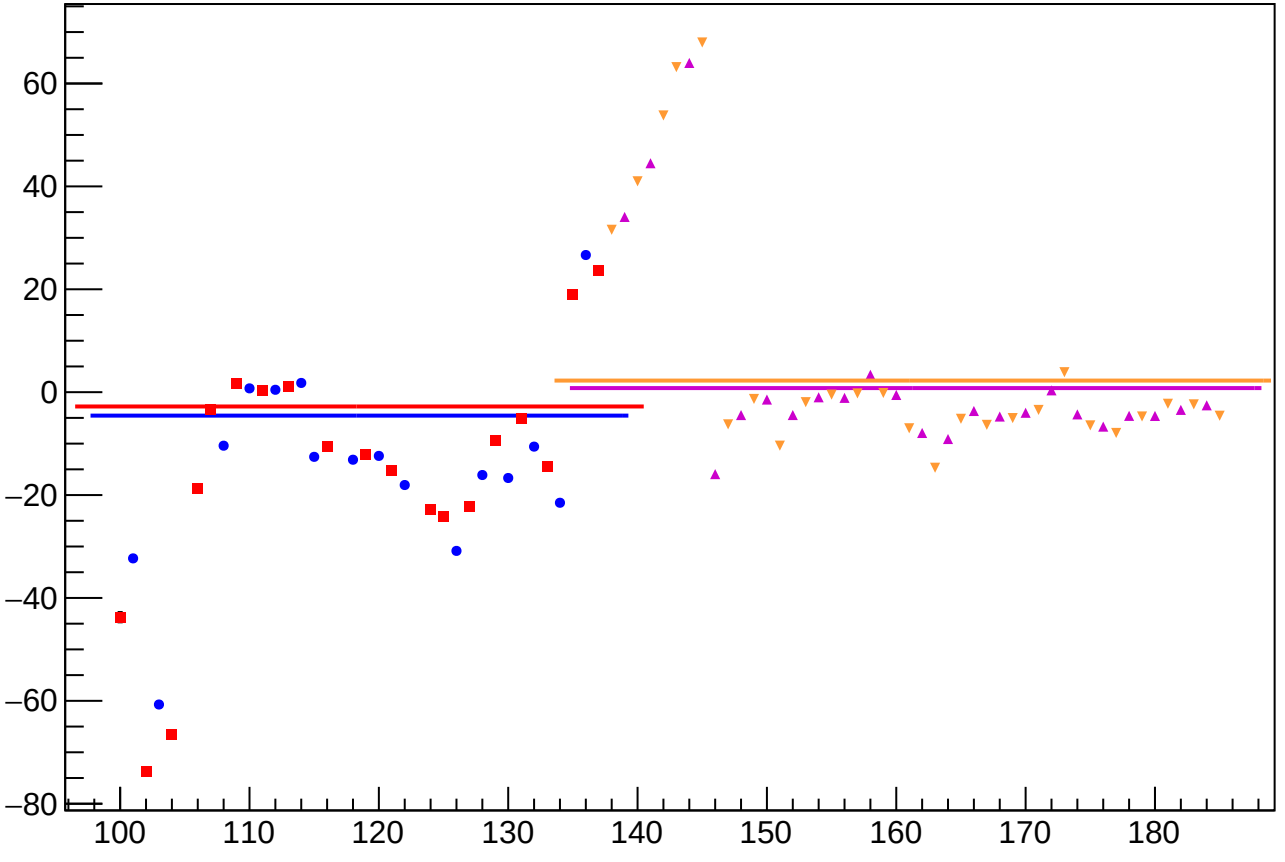
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.089+/-0.002 χ^2/NDF: 19601.1/40

All: -0.078+/-0.001 χ^2/NDF: 40872.0/82

- 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: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

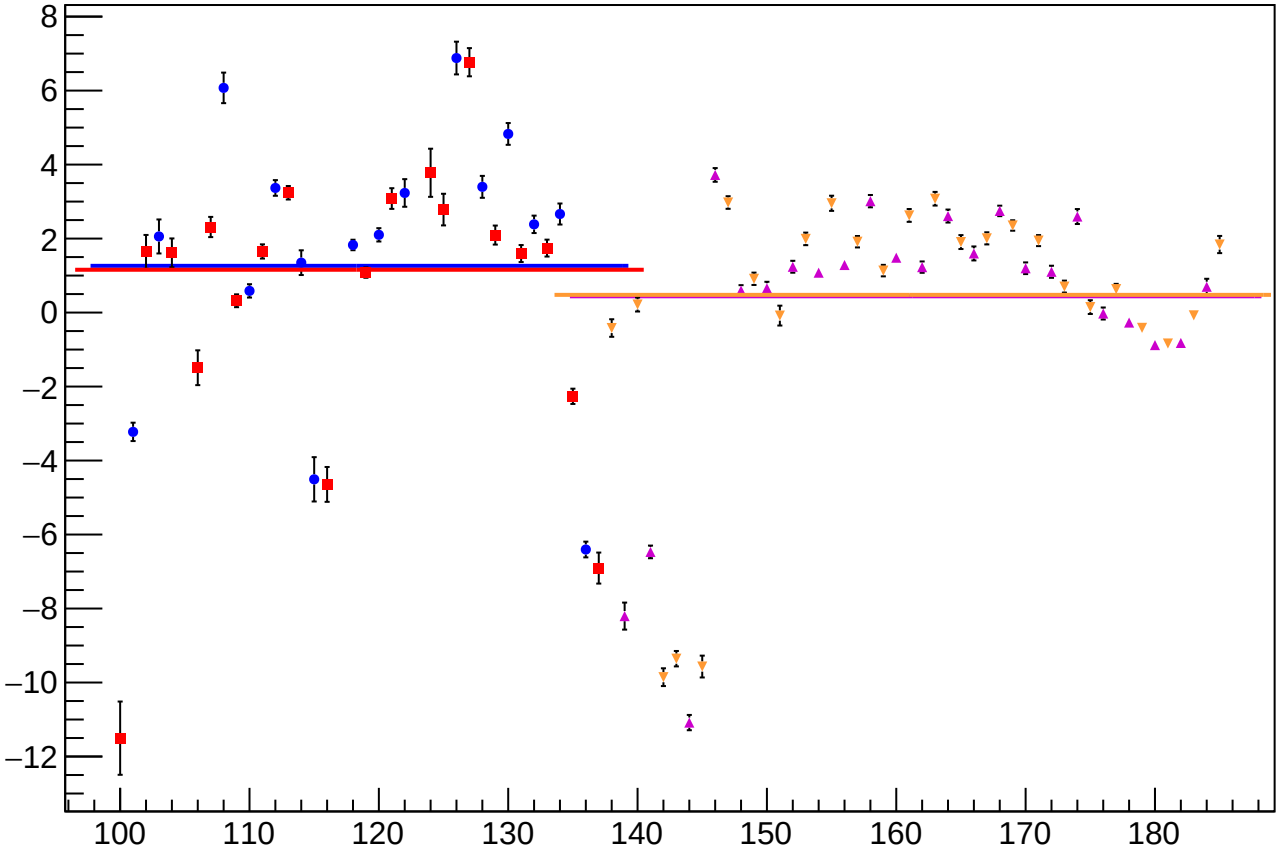
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign -0.116+/-0.034 χ^2/NDF: 253683.7/40

All: -0.428+/-0.023 χ^2/NDF: 463736.1/82

- 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: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

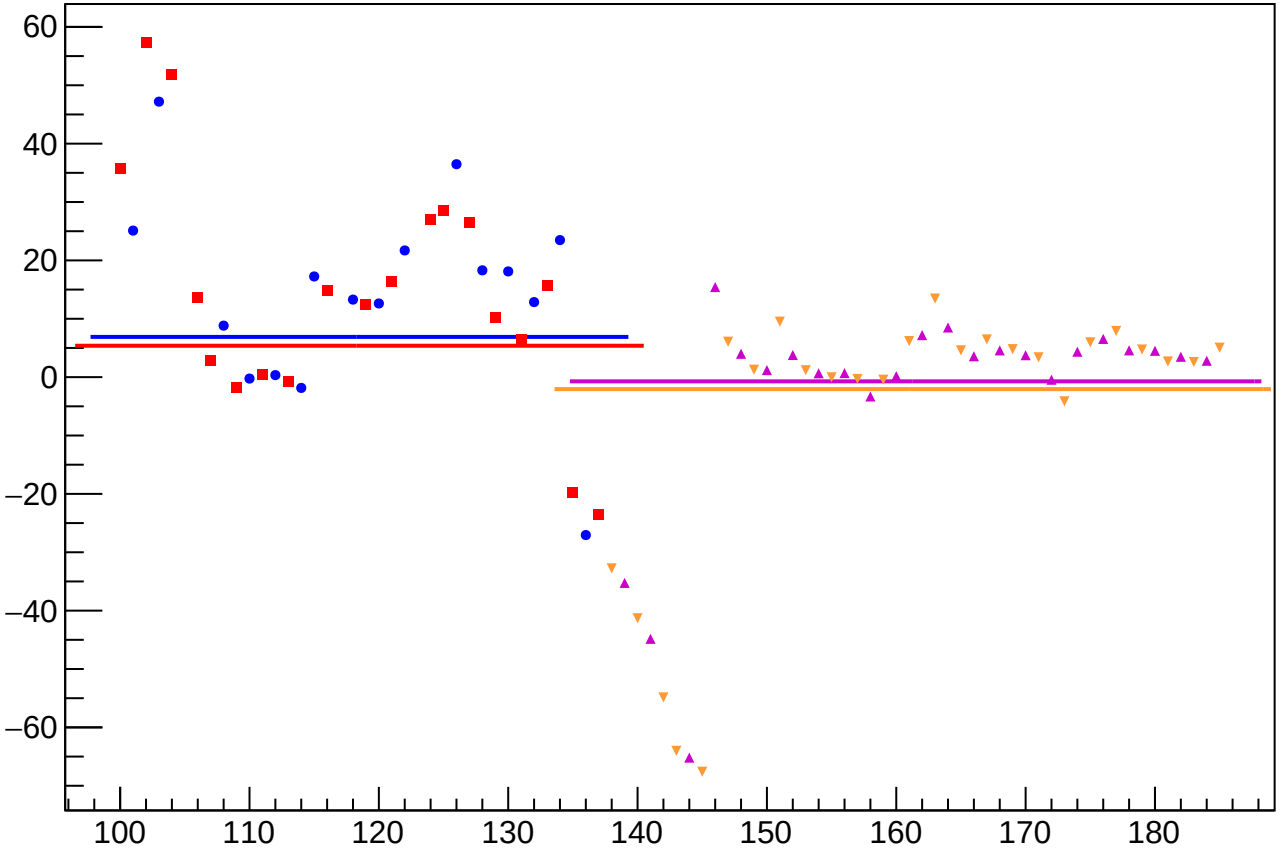
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.658+/-0.030 χ^2/NDF: 9375.3/40

All: 0.631+/-0.021 χ^2/NDF: 17874.4/82

- 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: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

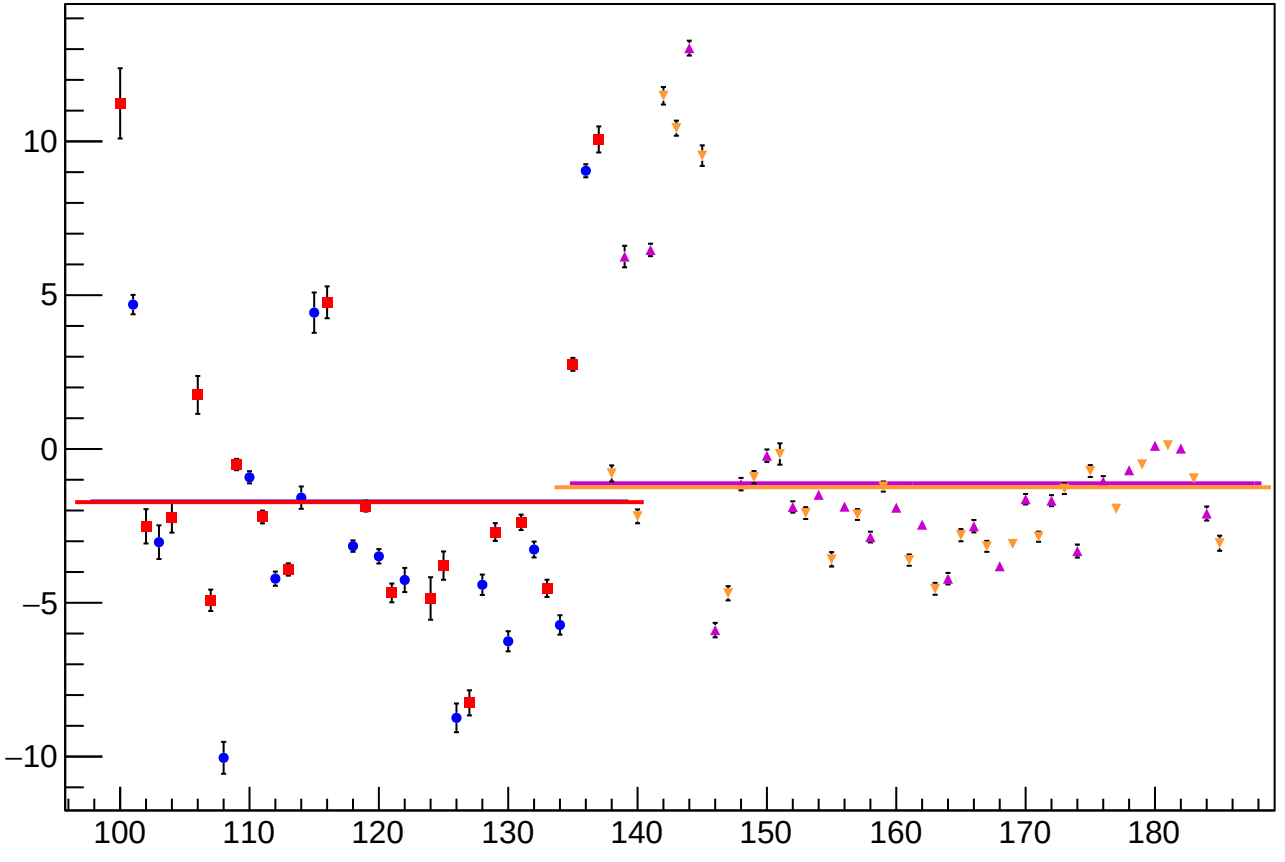
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign 0.407+/-0.035 χ^2/NDF: 246847.6/40

All: 0.779+/-0.024 χ^2/NDF: 451650.9/82

- 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: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

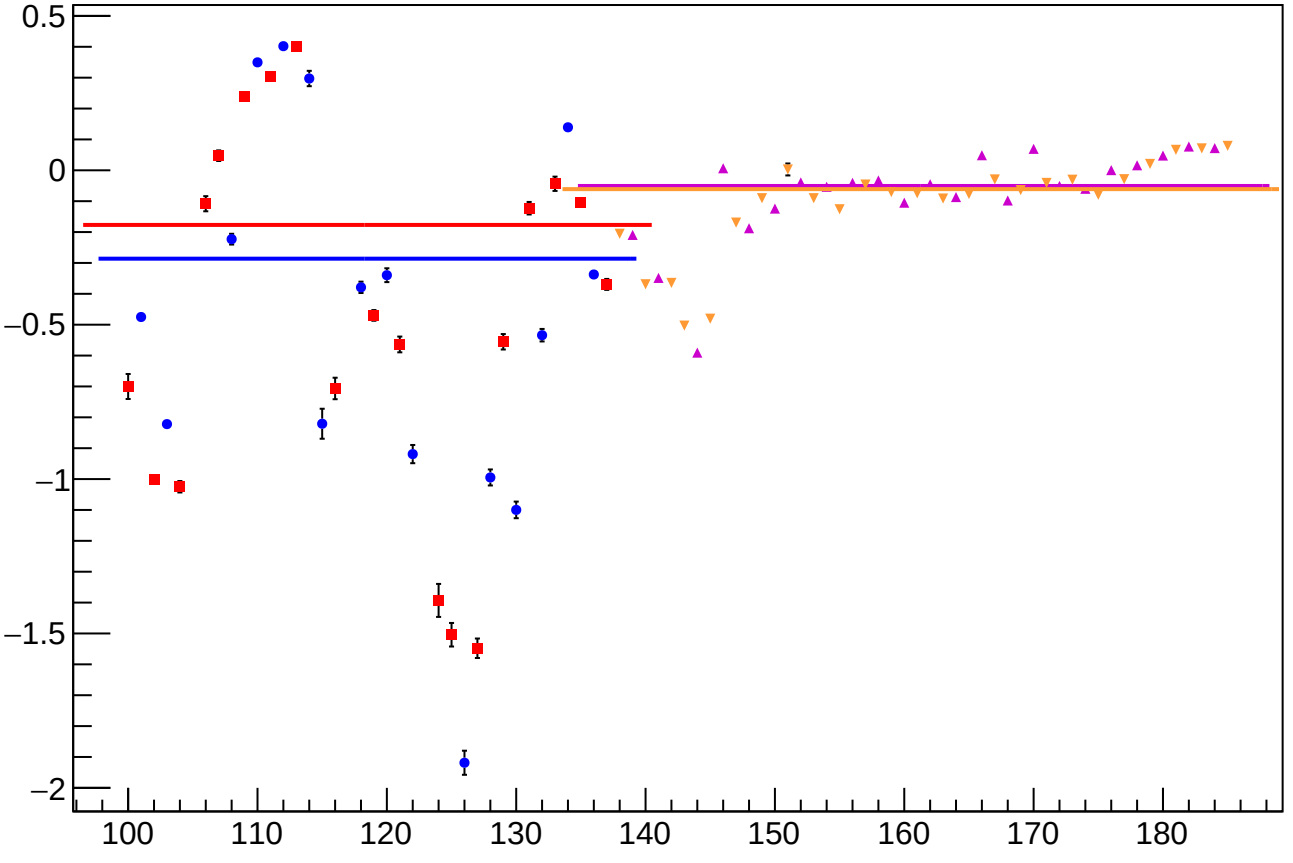
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.343+/-0.033 χ^2/NDF: 11091.5/40

All: -1.297+/-0.023 χ^2/NDF: 20309.8/82

- 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: -0.061+/-0.002 χ^2/NDF:5479.8/24

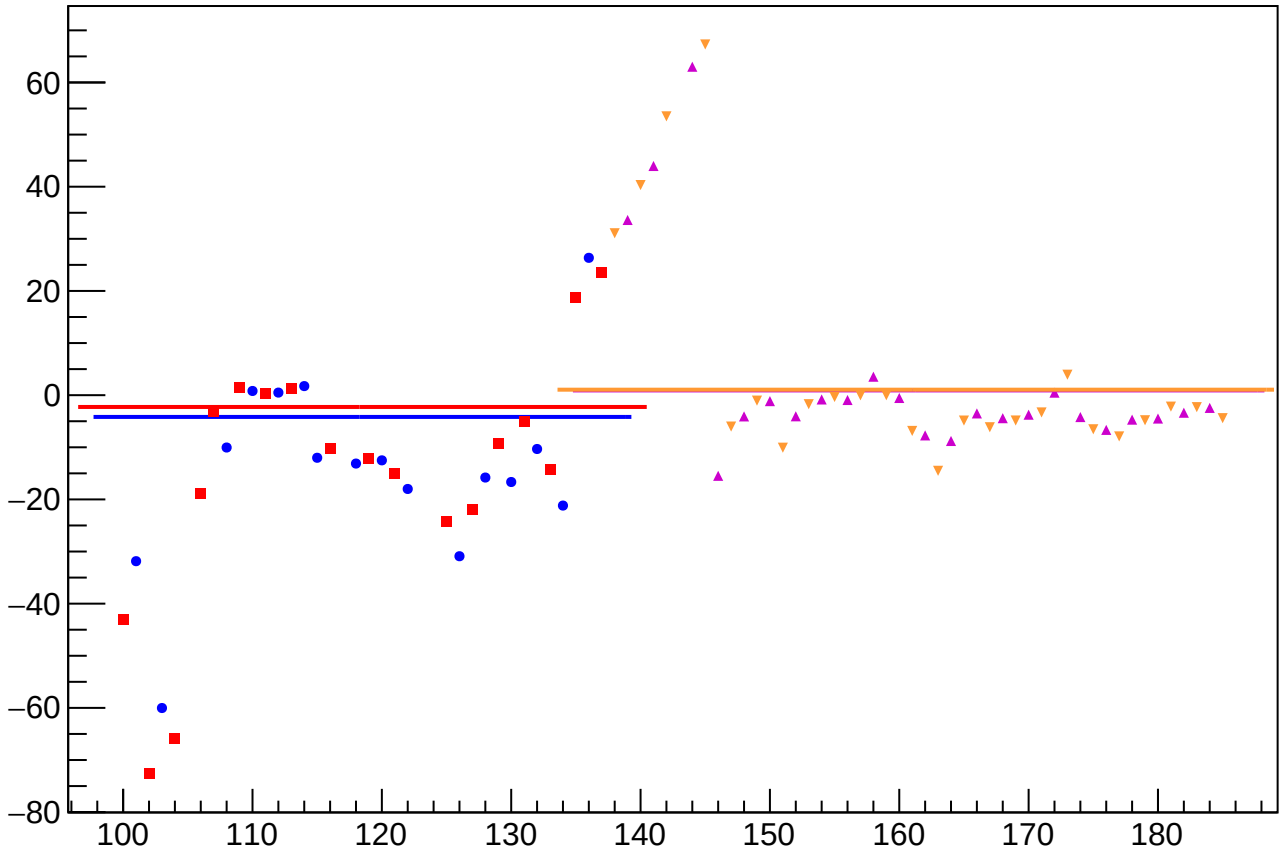
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.090+/-0.002 χ^2/NDF: 19259.0/40

All: -0.078+/-0.001 χ^2/NDF: 39900.6/82

- 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: 1.053+/-0.041 χ^2/NDF:131031.0/23

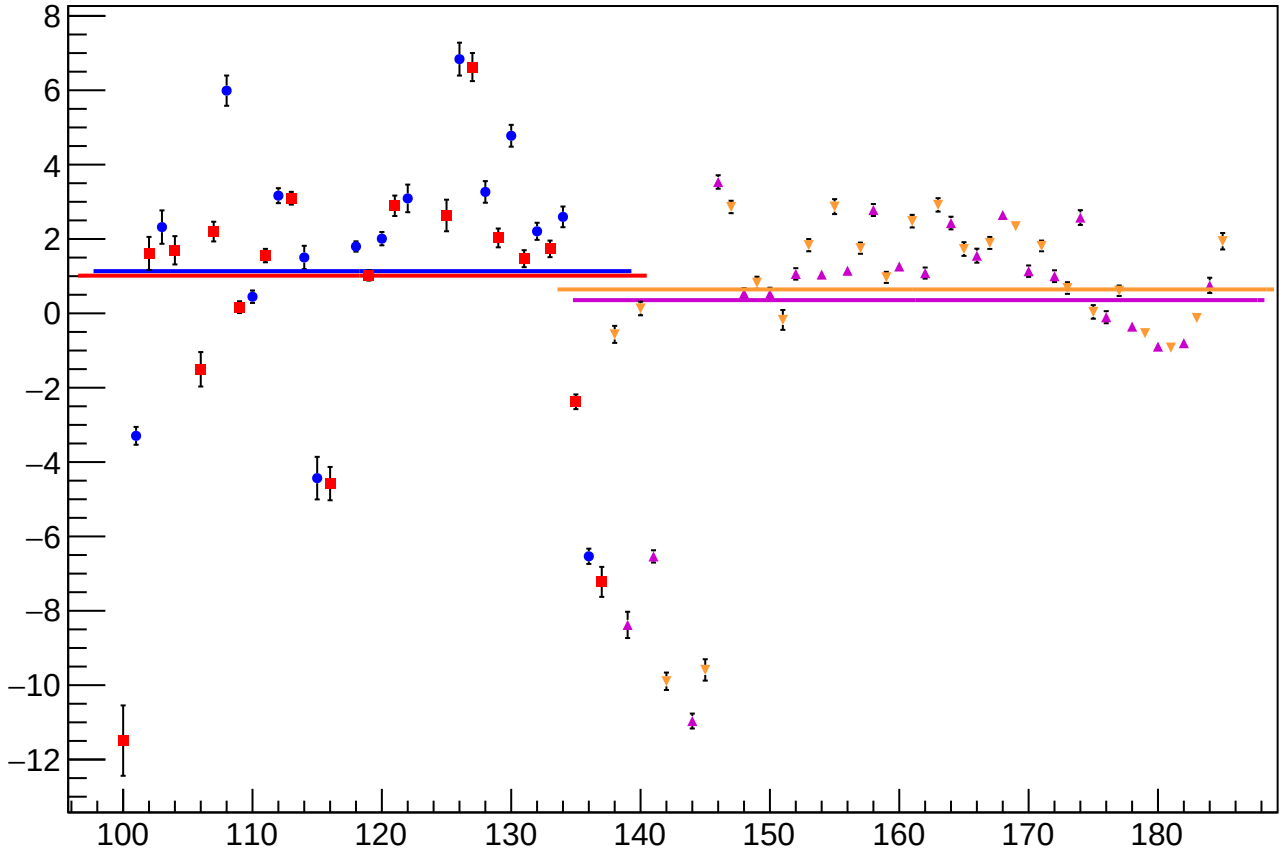
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.812+/-0.033 χ^2/NDF: 212350.1/39

All: -0.615+/-0.022 χ^2/NDF: 427569.4/80

- 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: 0.644+/-0.033 χ^2/NDF:4711.1/23

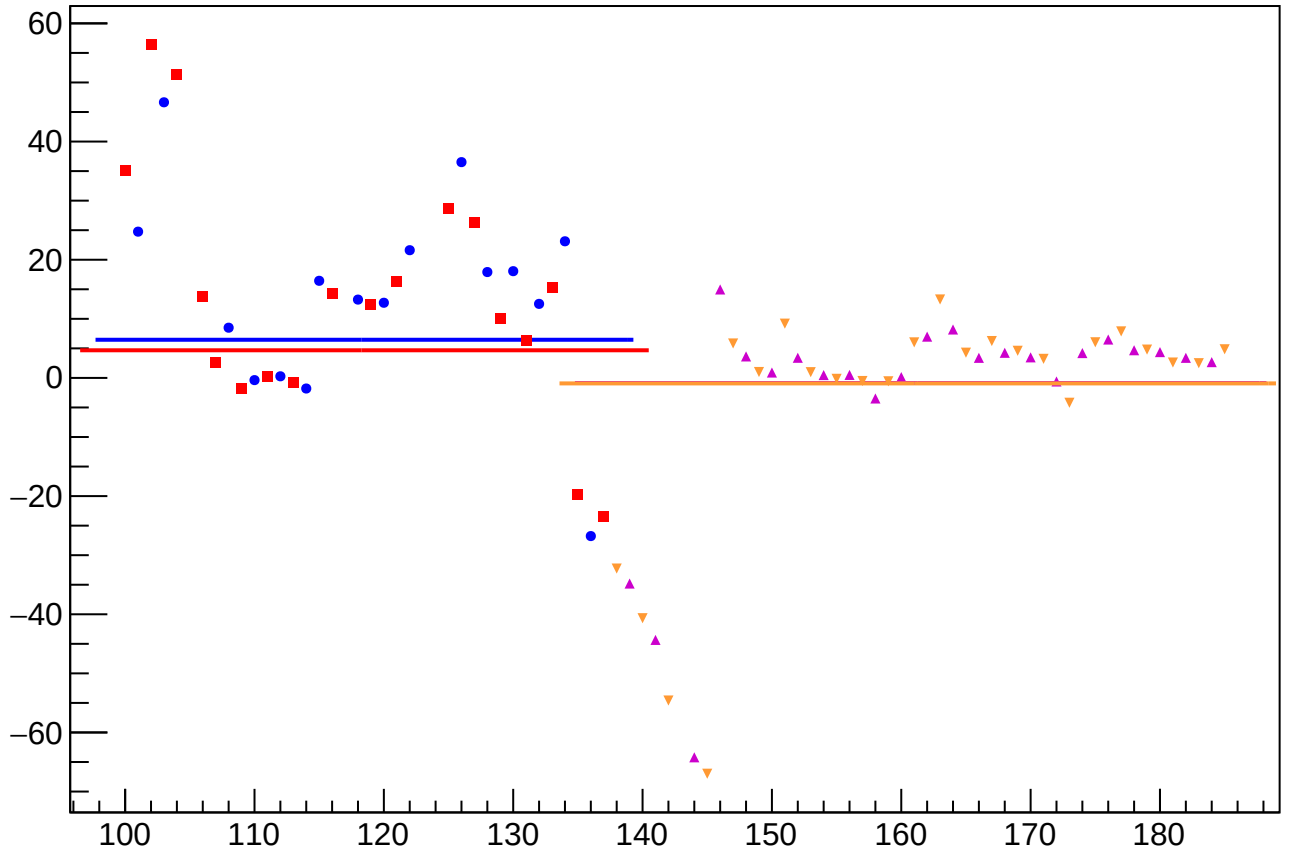
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.758+/-0.029 χ^2/NDF: 7357.8/39

All: 0.626+/-0.020 χ^2/NDF: 16209.3/80

- 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: -0.929+/-0.041 χ^2/NDF:126378.7/23

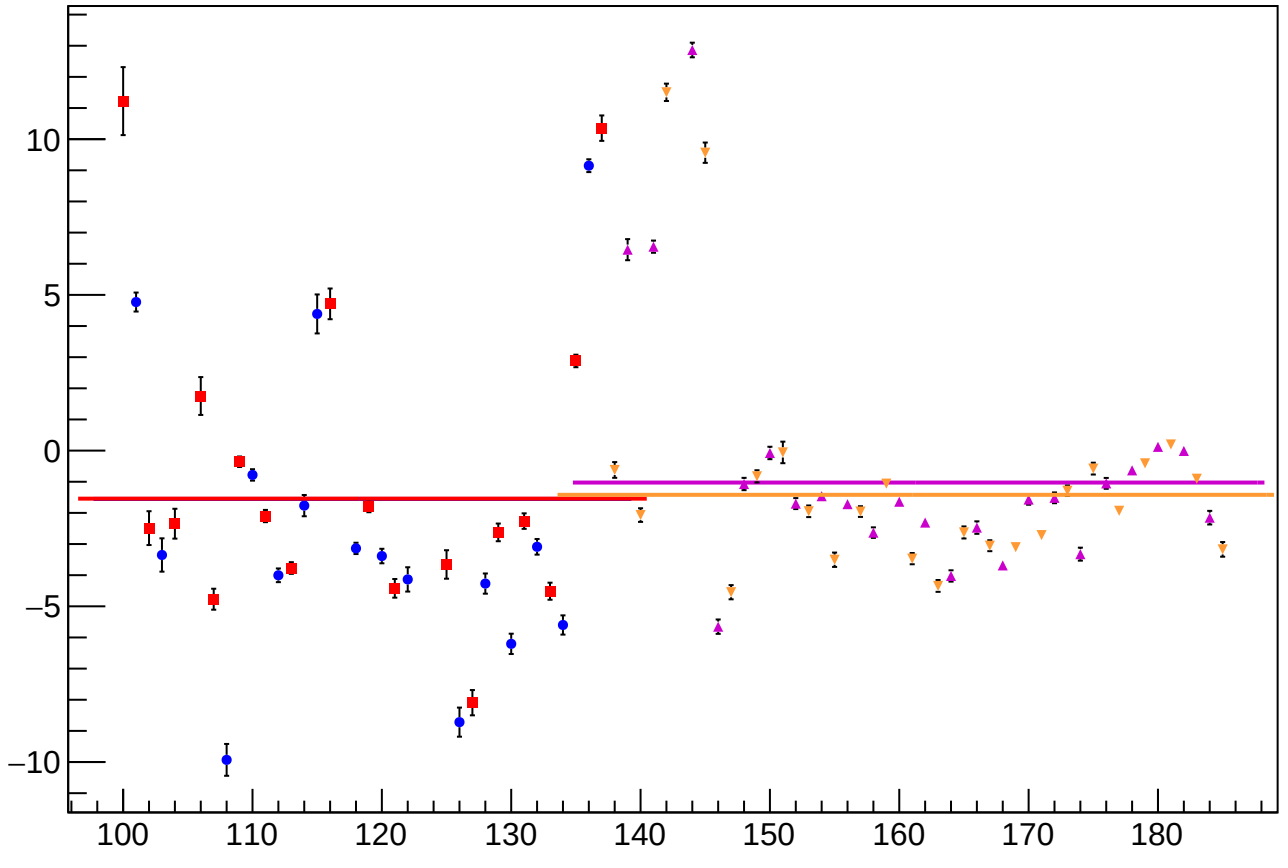
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign 1.141+/-0.034 χ^2/NDF: 206477.6/39

All: 0.980+/-0.024 χ^2/NDF: 416513.9/80

- 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: -1.420+/-0.037 χ^2/NDF:4642.0/23

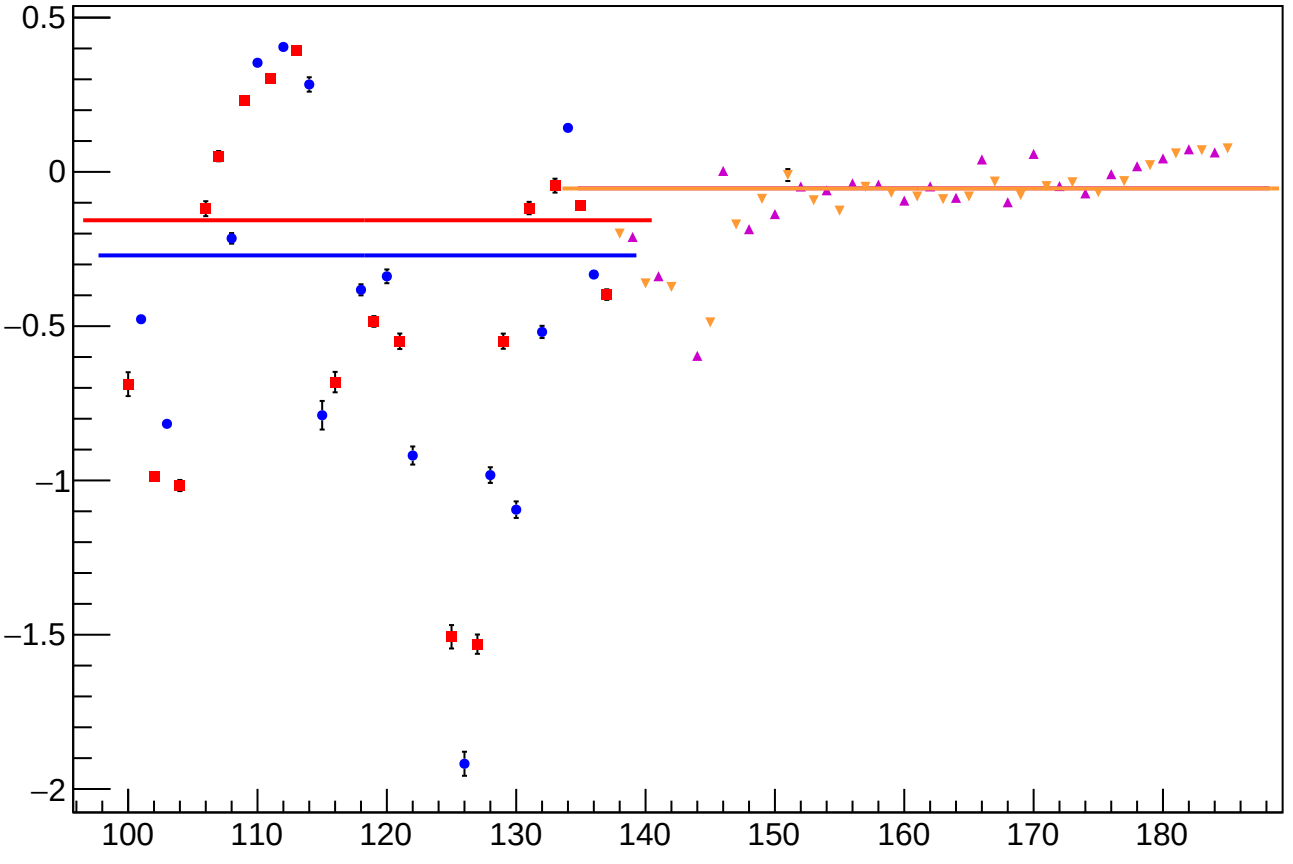
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.449+/-0.032 χ^2/NDF: 9188.4/39

All: -1.287+/-0.022 χ^2/NDF: 18805.7/80

- 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: -0.054+/-0.002 χ^2/NDF:4340.0/23

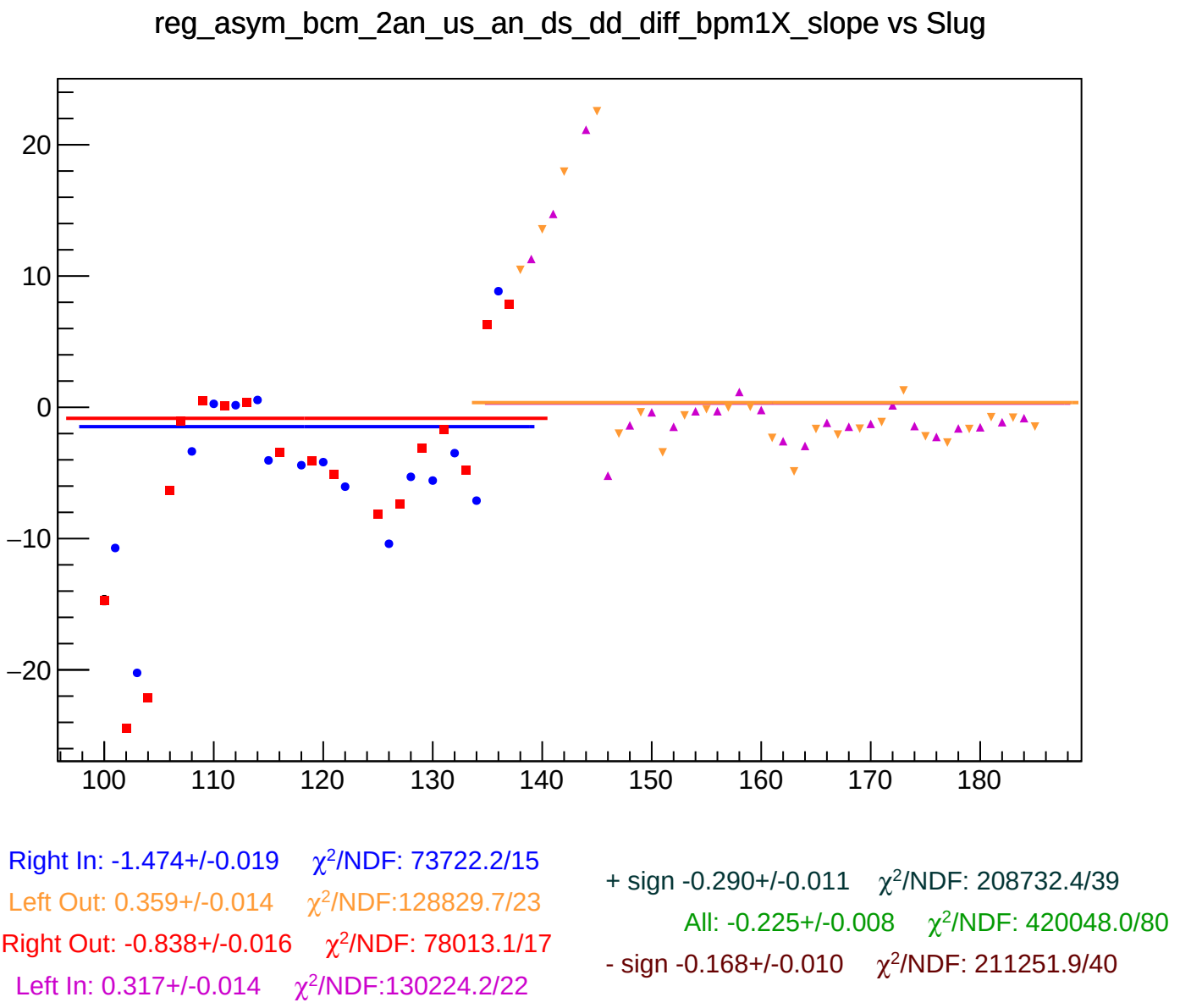
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

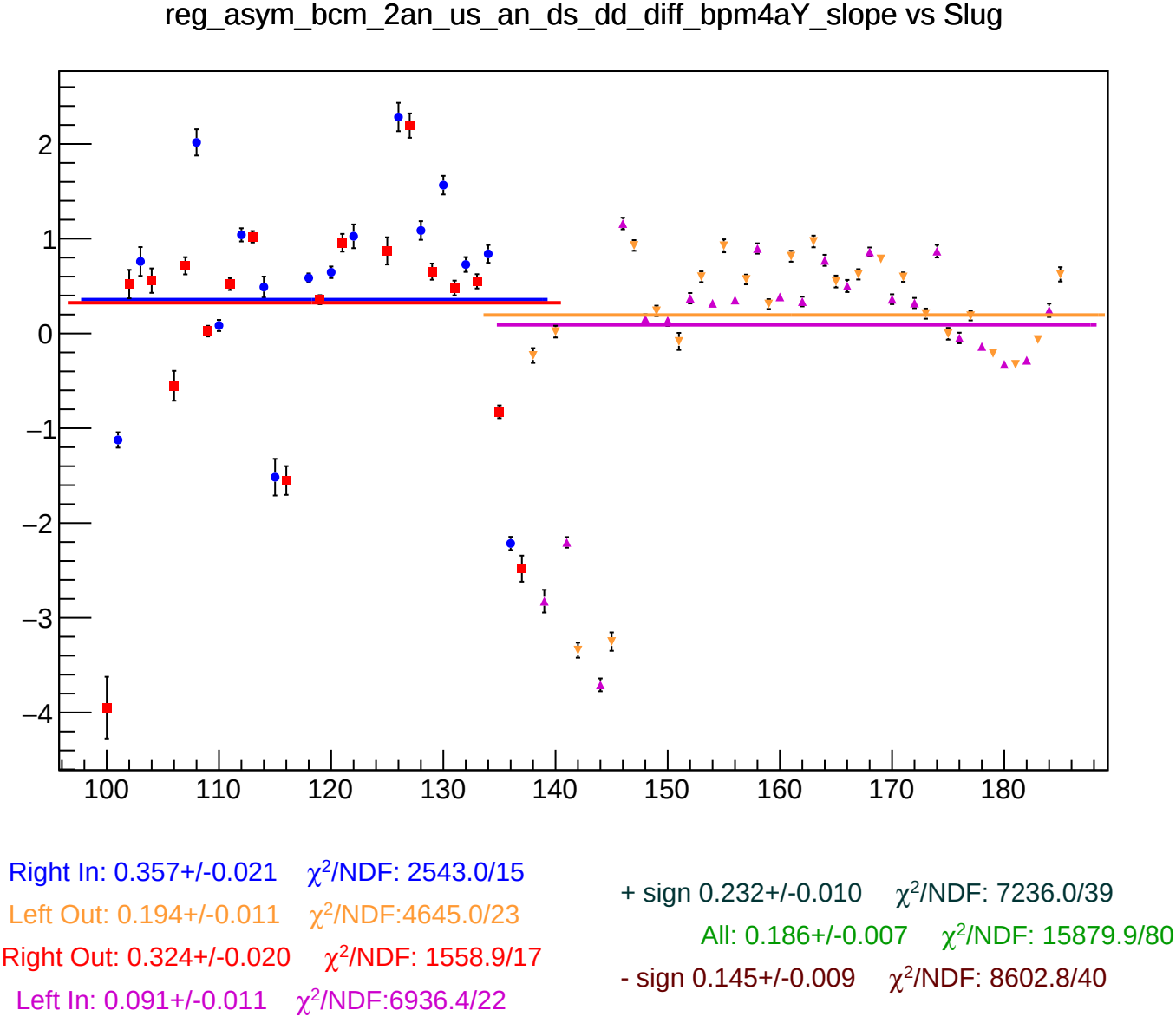
Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

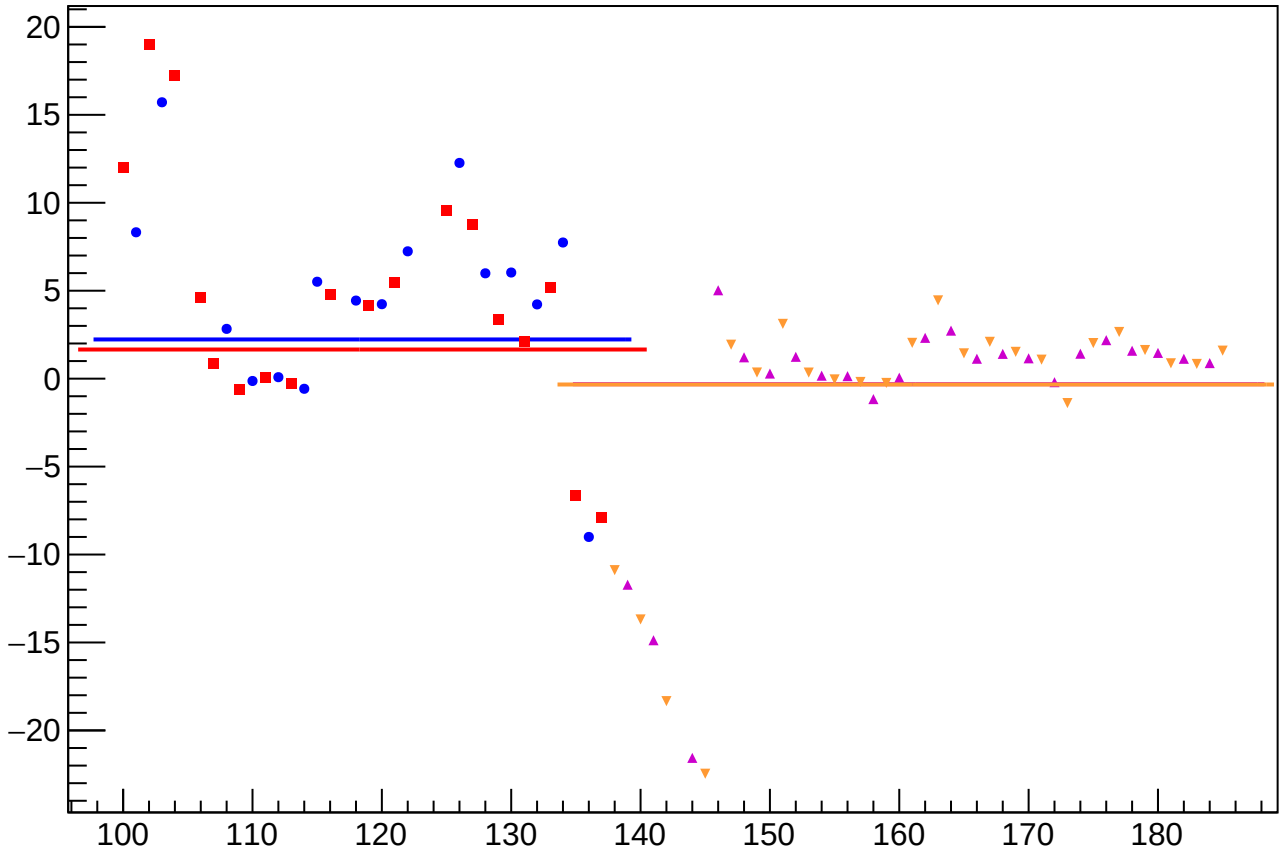
+ sign -0.082+/-0.001 χ^2/NDF: 18826.2/39

All: -0.074+/-0.001 χ^2/NDF: 39554.3/80

- 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: 0.359+/-0.014 χ²/NDF:128829.7/23
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 0.317+/-0.014 χ²/NDF:130224.2/22
+ sign -0.290+/-0.011 χ²/NDF: 208732.4/39
All: -0.225+/-0.008 χ²/NDF: 420048.0/80
- 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: 0.194+/-0.011 χ²/NDF:4645.0/23
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: 0.091+/-0.011 χ²/NDF:6936.4/22
+ sign 0.232+/-0.010 χ²/NDF: 7236.0/39
All: 0.186+/-0.007 χ²/NDF: 15879.9/80
- sign 0.145+/-0.009 χ²/NDF: 8602.8/40



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

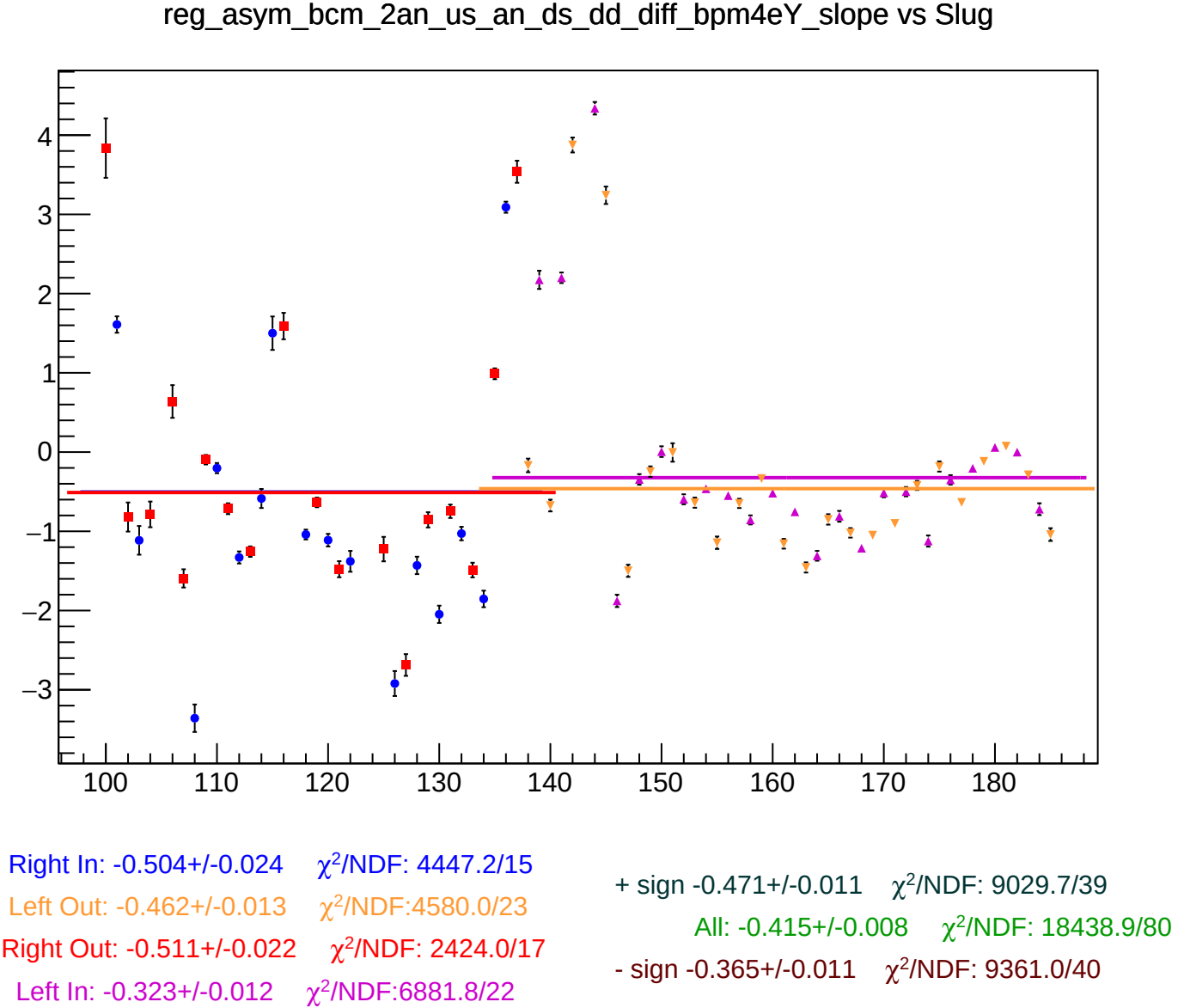
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

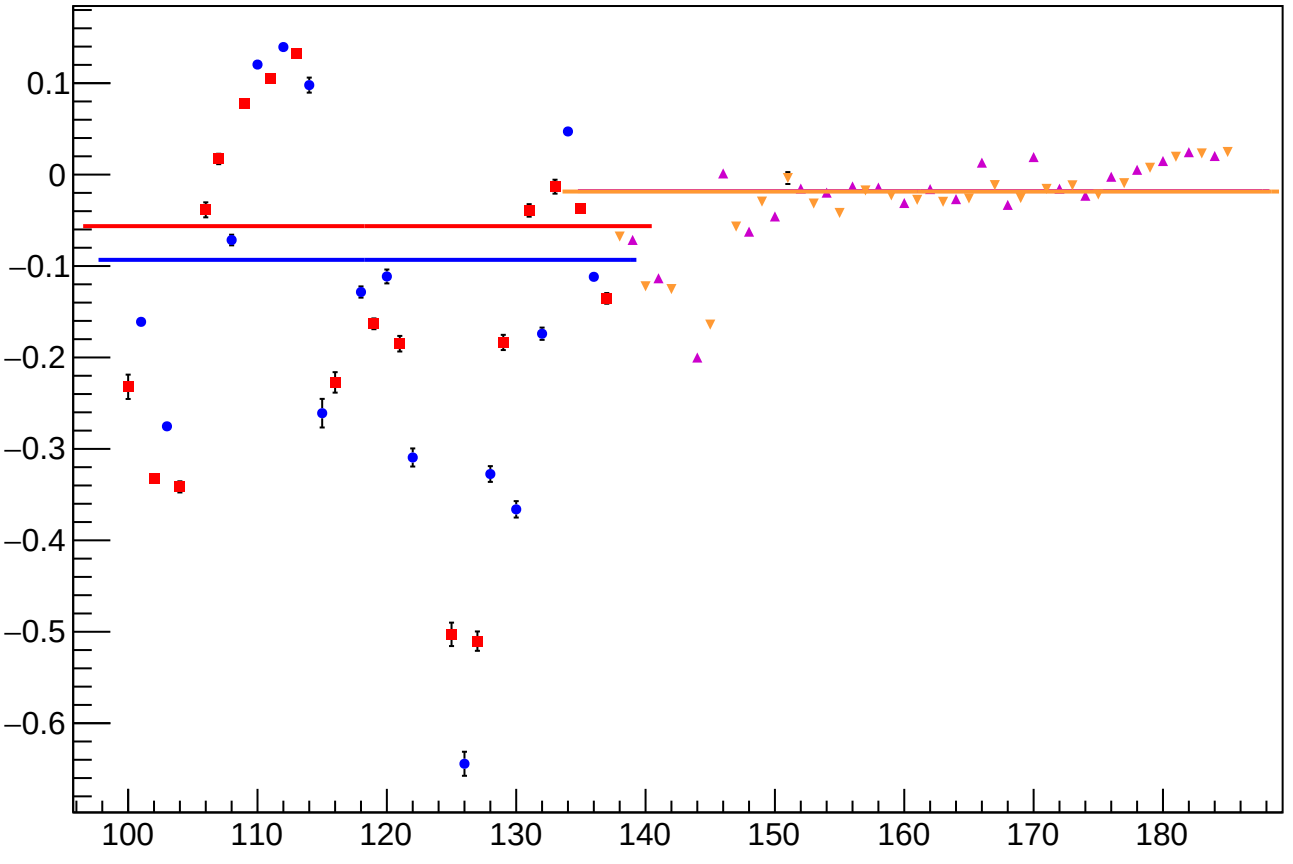
Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.383+/-0.012 χ^2/NDF: 202965.8/39

All: 0.330+/-0.008 χ^2/NDF: 409284.1/80

- sign 0.281+/-0.011 χ^2/NDF: 206279.1/40


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.504+/-0.024 χ²/NDF: 4447.2/15
Left Out: -0.462+/-0.013 χ²/NDF:4580.0/23
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: -0.323+/-0.012 χ²/NDF:6881.8/22
+ sign -0.471+/-0.011 χ²/NDF: 9029.7/39
All: -0.415+/-0.008 χ²/NDF: 18438.9/80
- sign -0.365+/-0.011 χ²/NDF: 9361.0/40



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

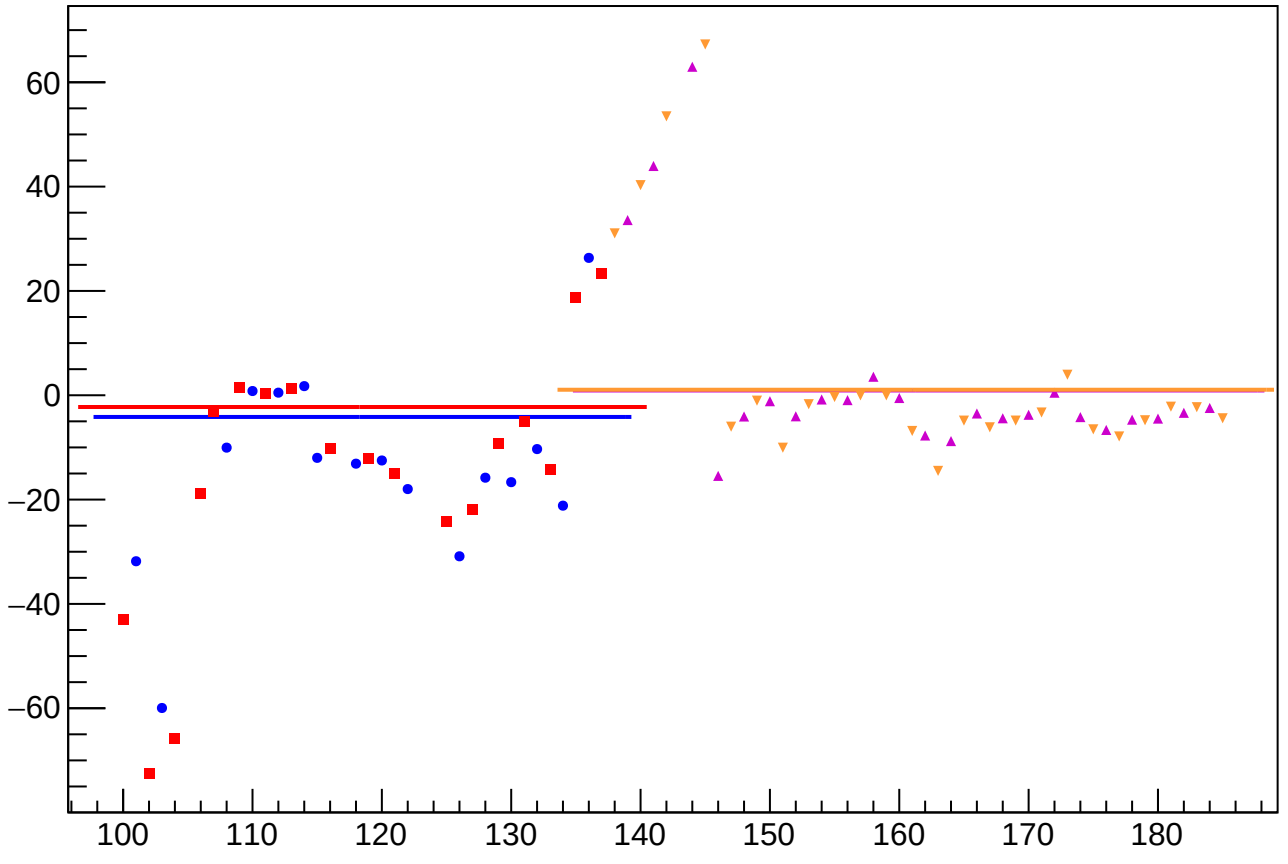
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.028+/-0.001 χ^2/NDF: 18398.5/39

All: -0.025+/-0.000 χ^2/NDF: 38536.0/80

- sign -0.023+/-0.000 χ^2/NDF: 20084.1/40



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

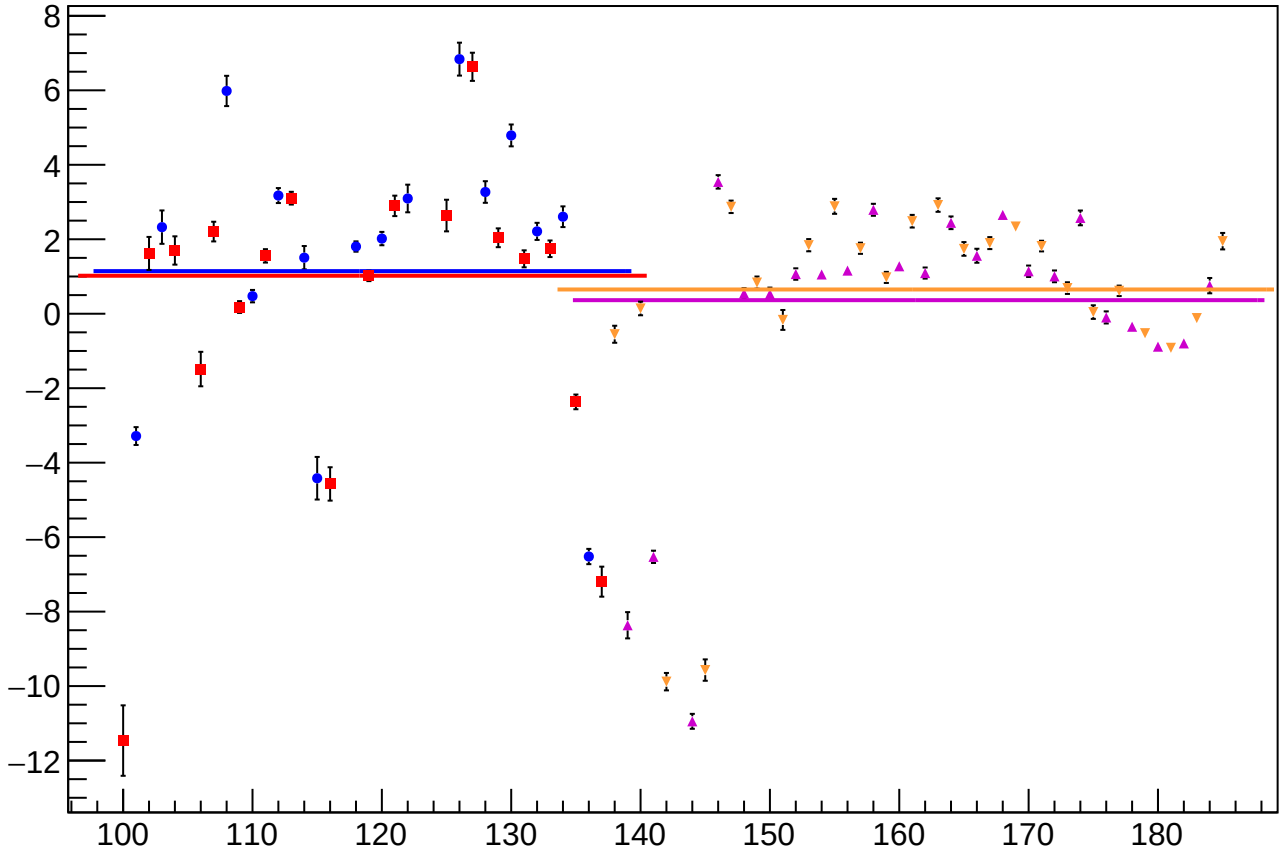
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign -0.806+/-0.032 χ^2/NDF: 212346.6/39

All: -0.609+/-0.022 χ^2/NDF: 427581.9/80

- 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: 0.651+/-0.033 χ^2/NDF:4708.8/23

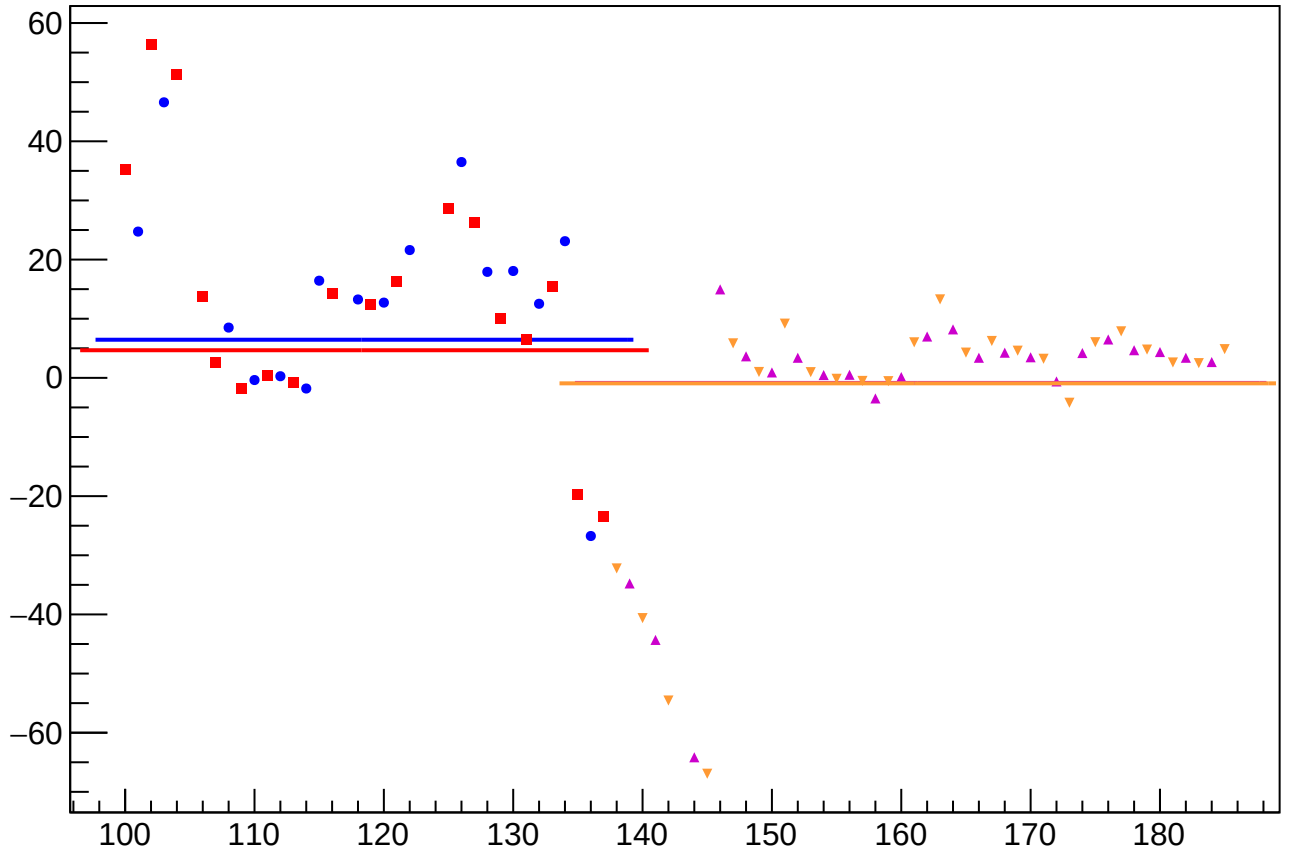
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.766+/-0.029 χ^2/NDF: 7355.6/39

All: 0.634+/-0.020 χ^2/NDF: 16210.1/80

- 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: -0.927+/-0.041 χ^2/NDF:126360.1/23

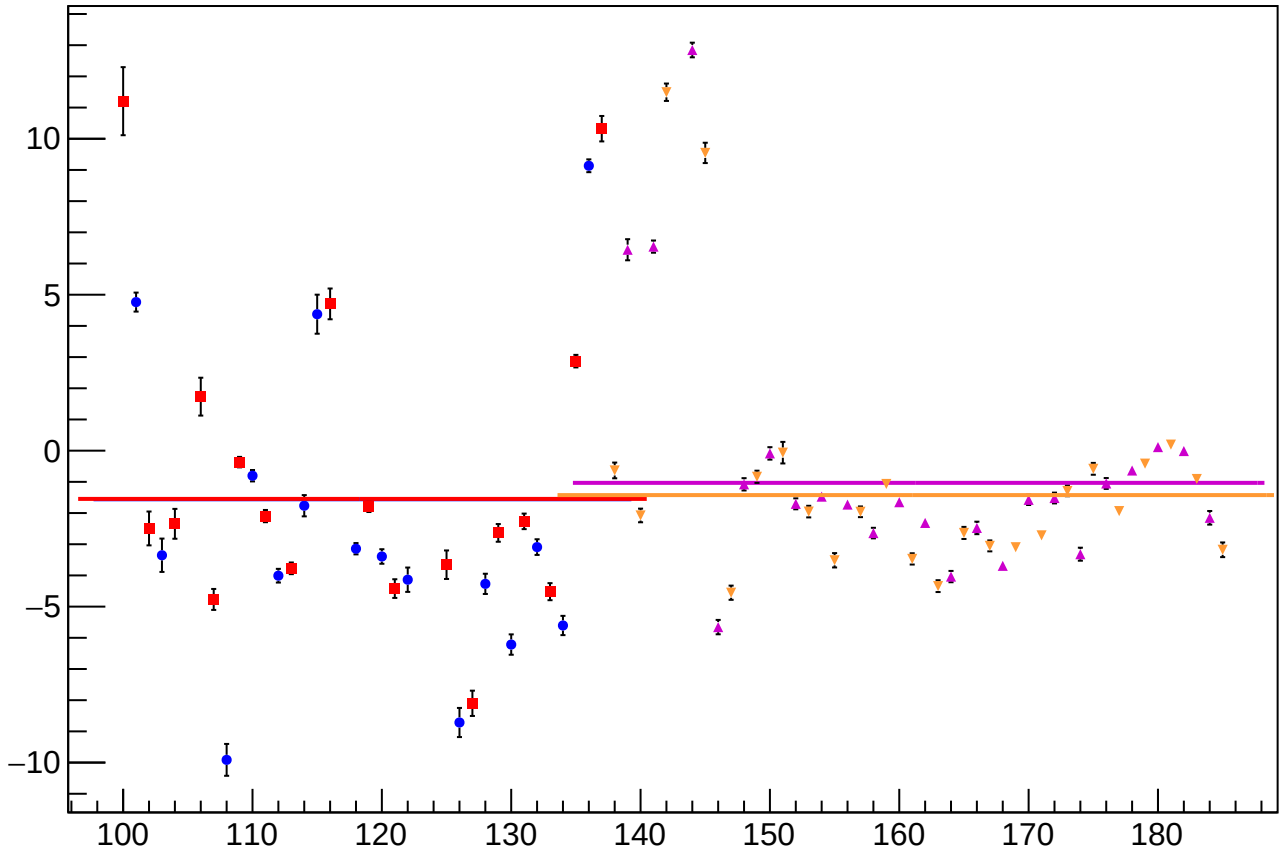
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign 1.141+/-0.034 χ^2/NDF: 206471.2/39

All: 0.980+/-0.024 χ^2/NDF: 416513.0/80

- 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: -1.425+/-0.037 χ^2/NDF:4639.6/23

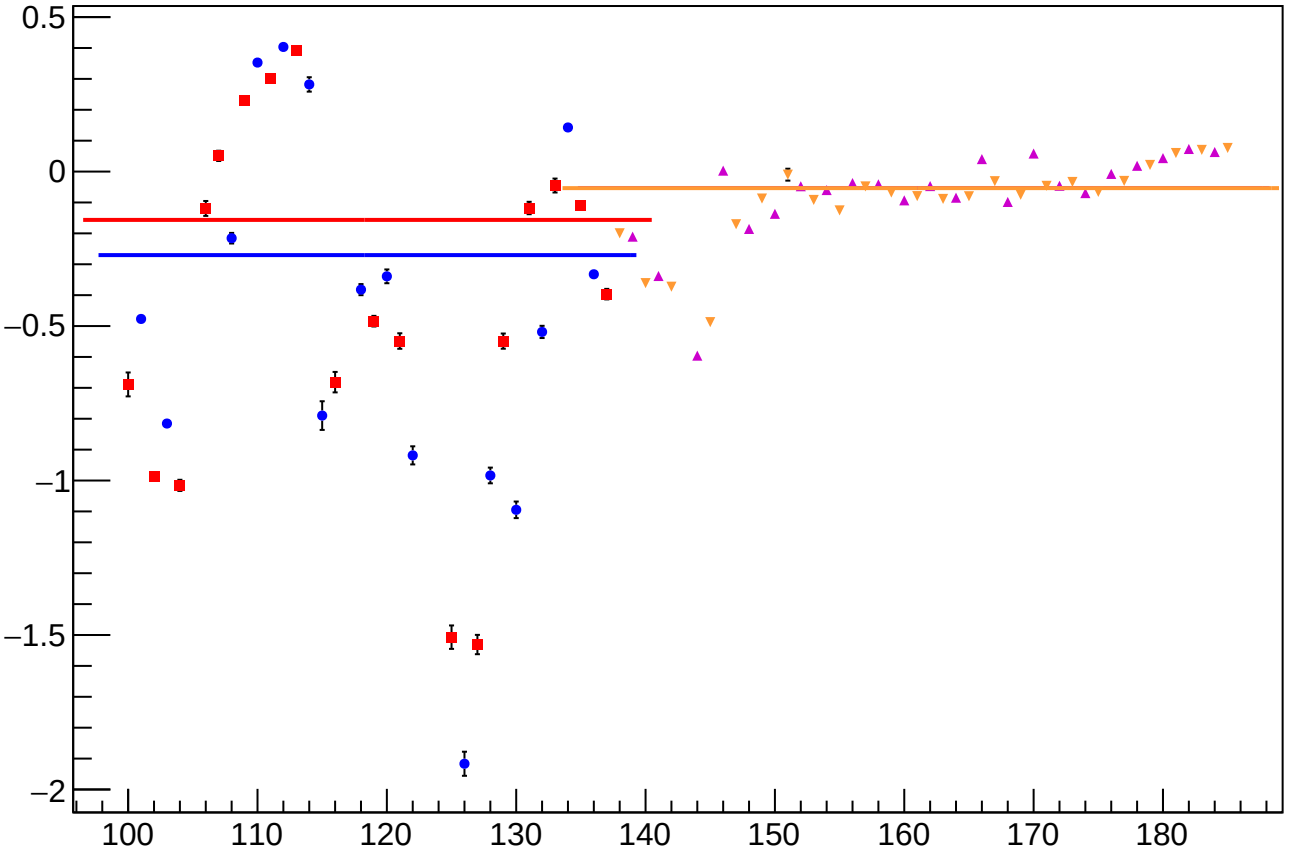
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.454+/-0.032 χ^2/NDF: 9185.6/39

All: -1.292+/-0.022 χ^2/NDF: 18803.7/80

- 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: -0.054+/-0.002 χ^2/NDF:4341.2/23

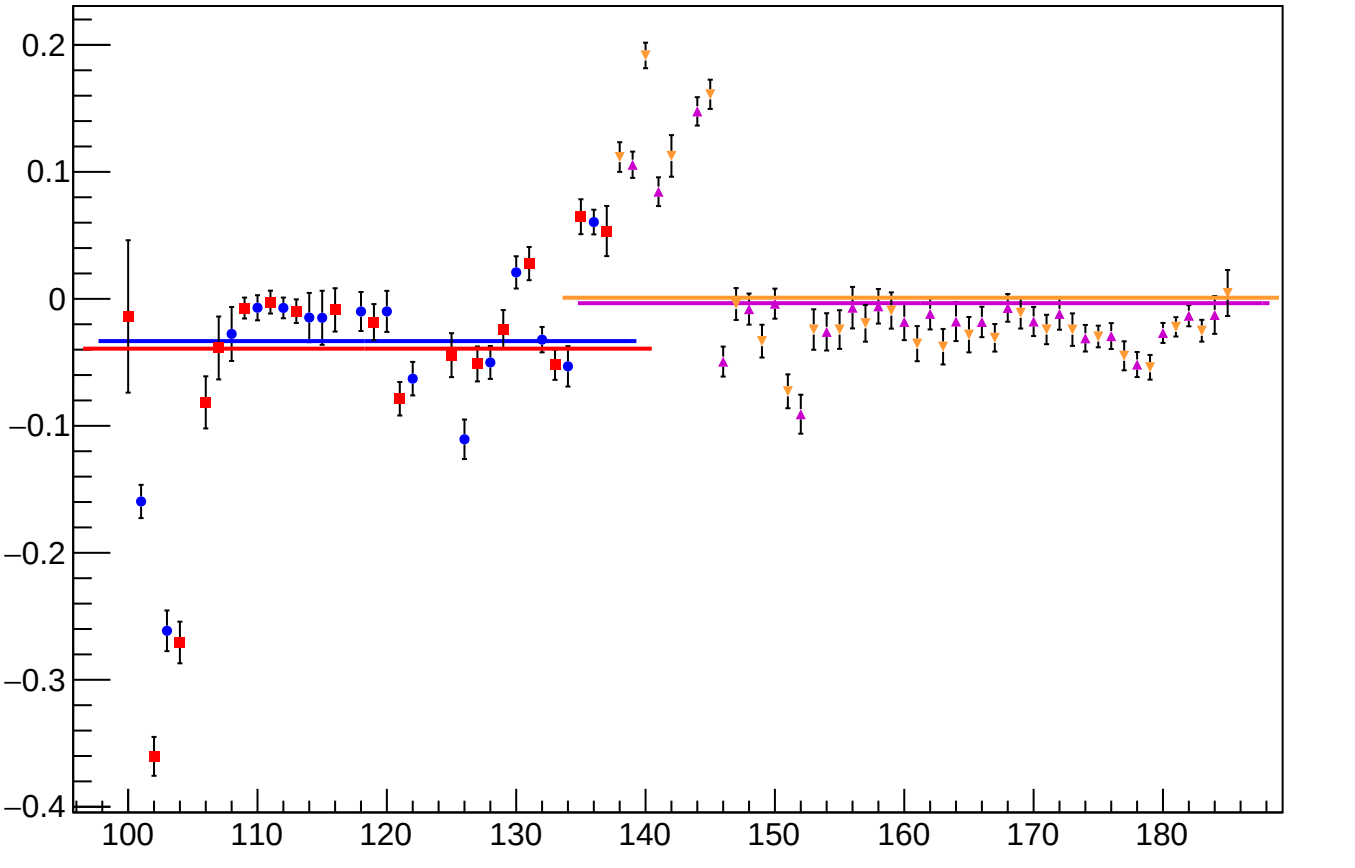
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.082+/-0.001 χ^2/NDF: 18828.6/39

All: -0.074+/-0.001 χ^2/NDF: 39568.3/80

- 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:849.7/23

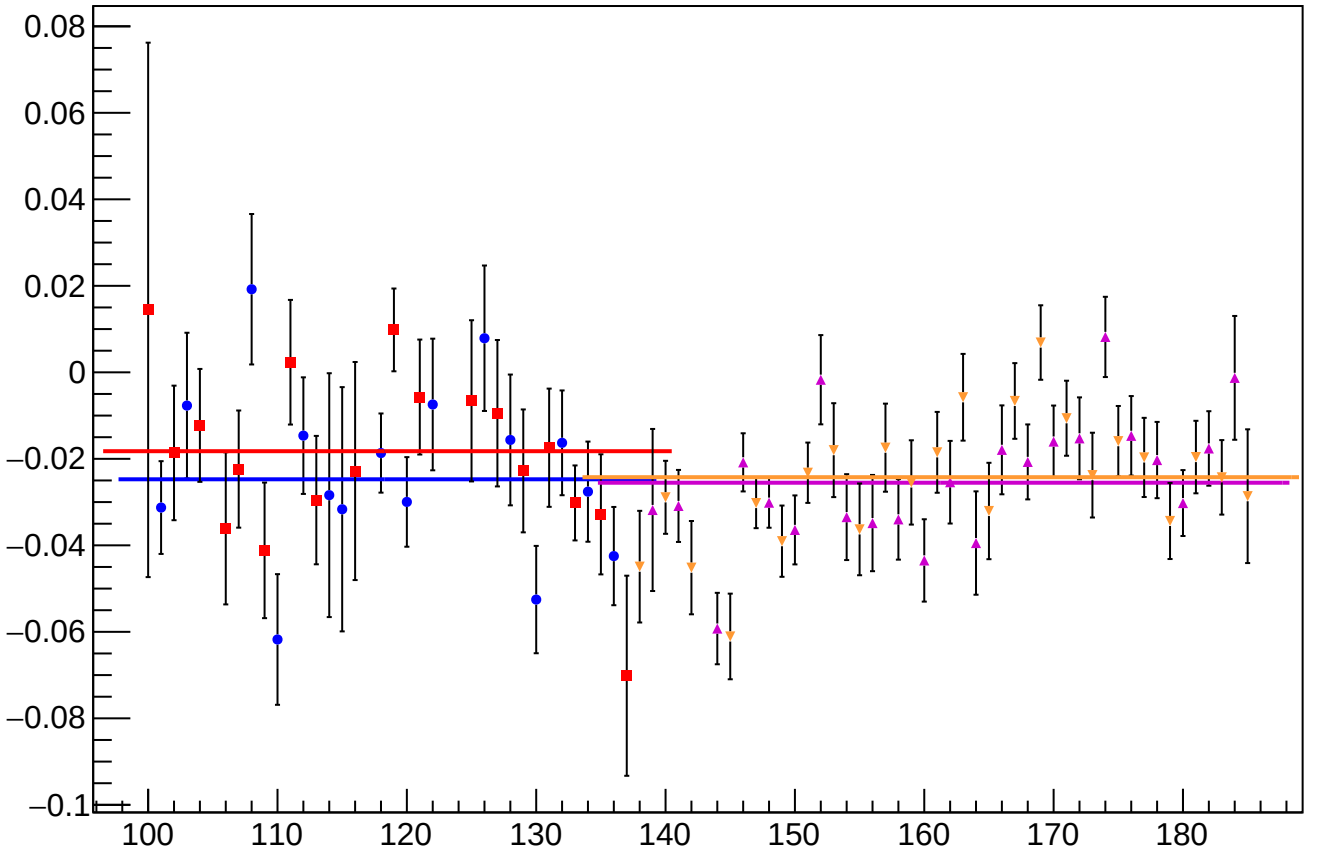
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.011+/-0.002 χ^2/NDF: 1385.9/39

All: -0.014+/-0.001 χ^2/NDF: 2735.7/80

- 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:53.7/23

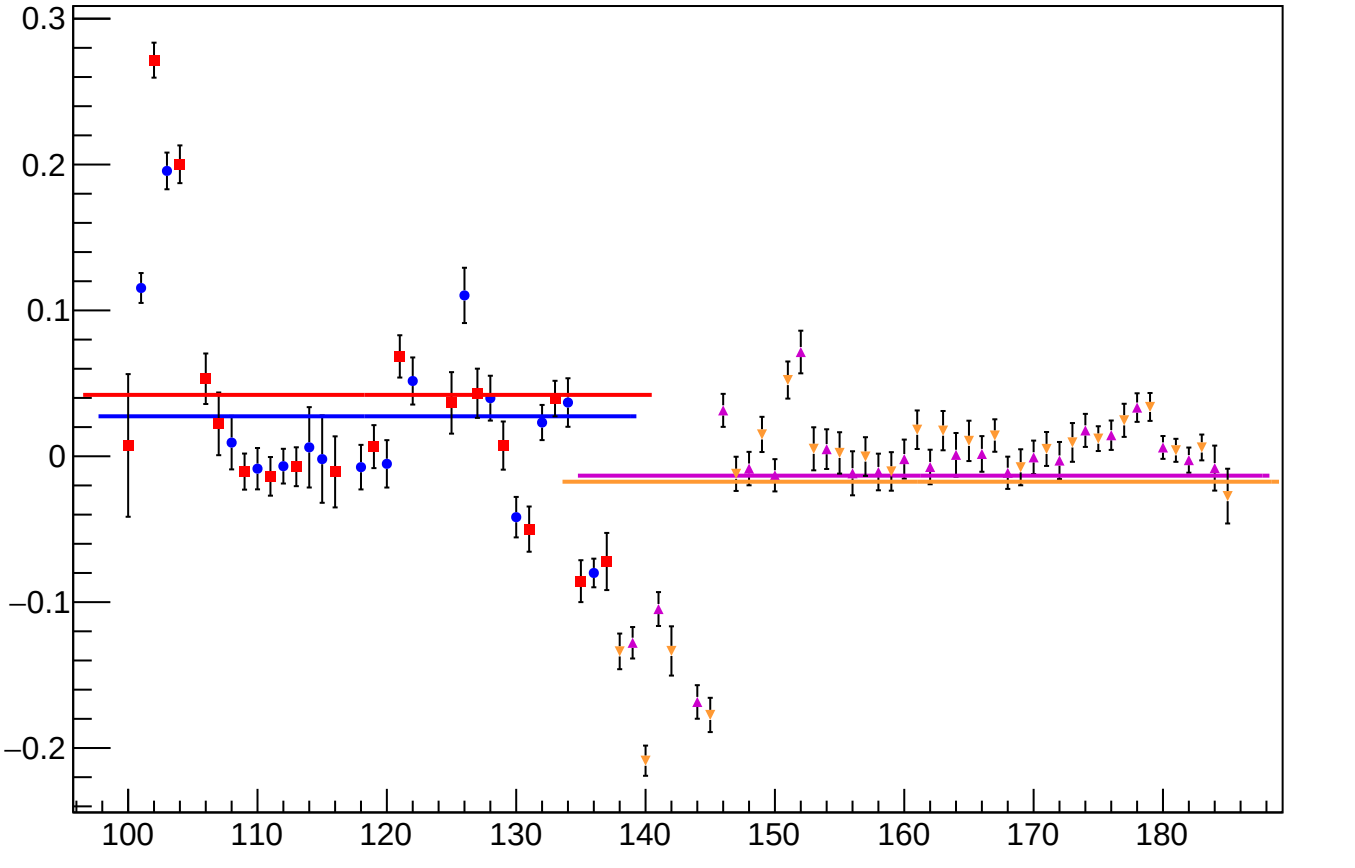
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 82.3/39

All: -0.024+/-0.001 χ^2/NDF: 165.6/80

- 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:812.1/23

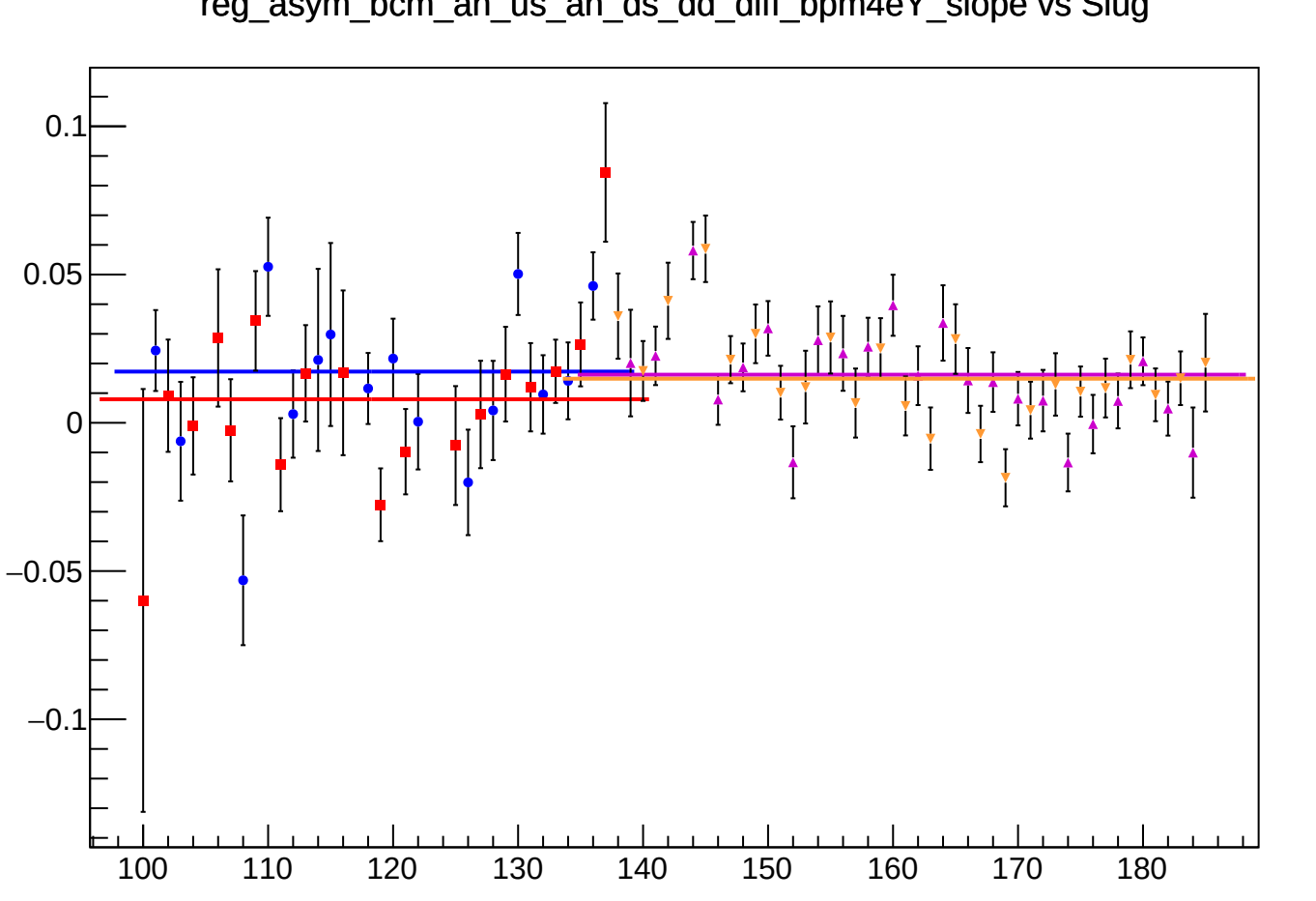
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

\+ sign -0.004+/-0.002 χ^2/NDF: 1367.2/39

All: -0.000+/-0.001 χ^2/NDF: 2727.3/80

\- 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:52.1/23

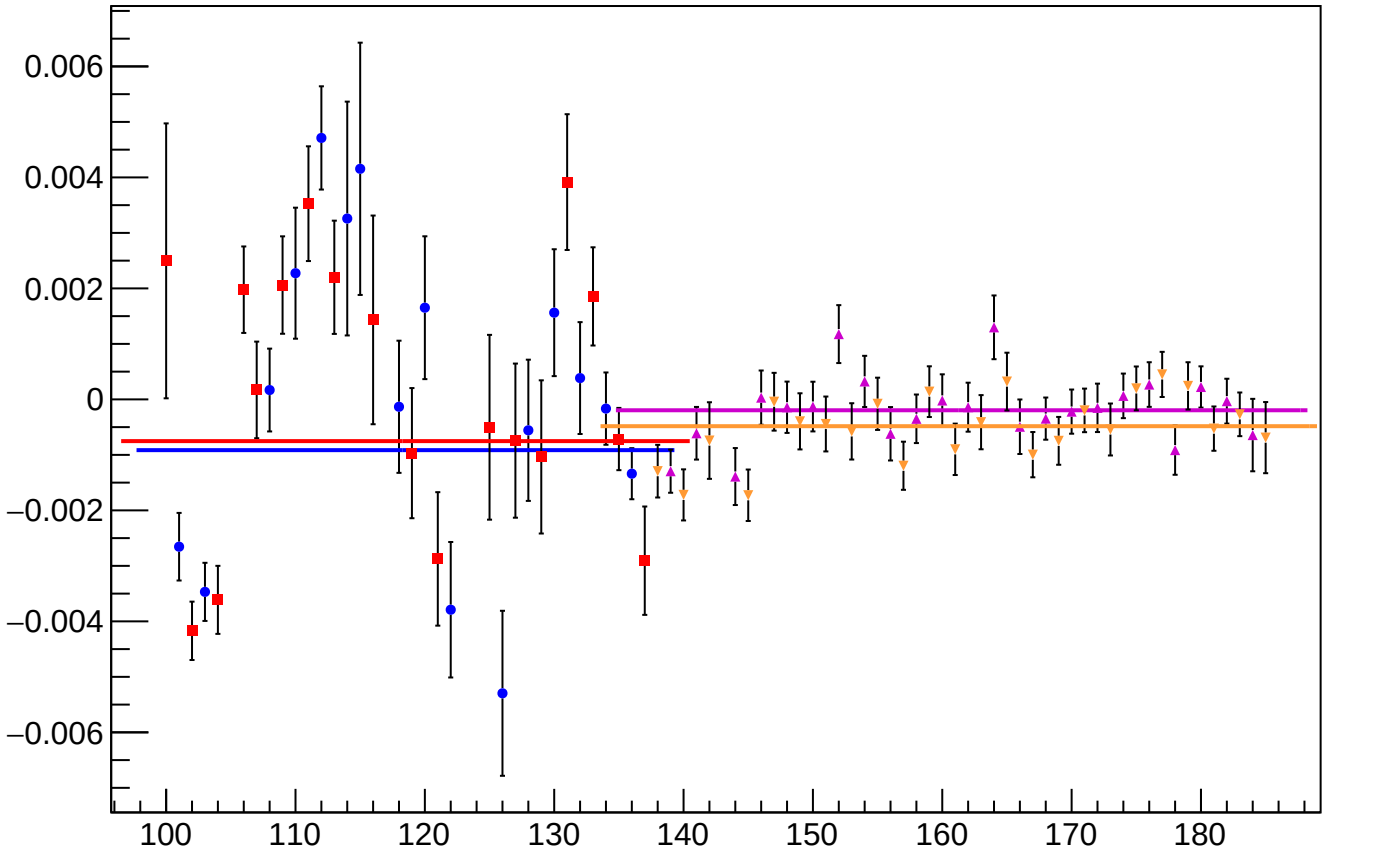
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 89.0/39

All: 0.015+/-0.001 χ^2/NDF: 182.0/80

- 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:40.8/23

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

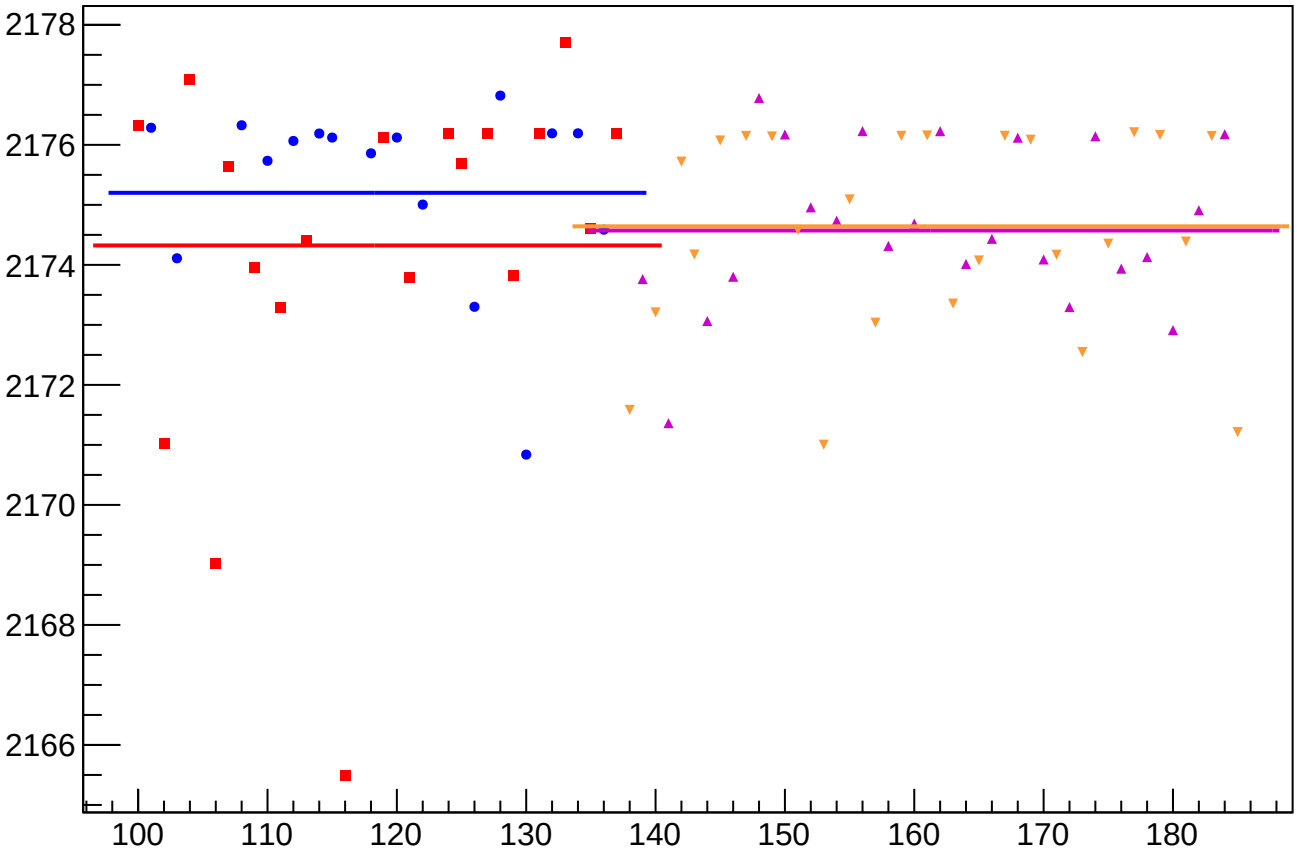
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.001+/-0.000 χ^2/NDF: 158.4/39

All: -0.000+/-0.000 χ^2/NDF: 353.8/80

- sign -0.000+/-0.000 χ^2/NDF: 190.5/40

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

+ sign 2174.793+/-0.000 χ^2/NDF: 7146427589195

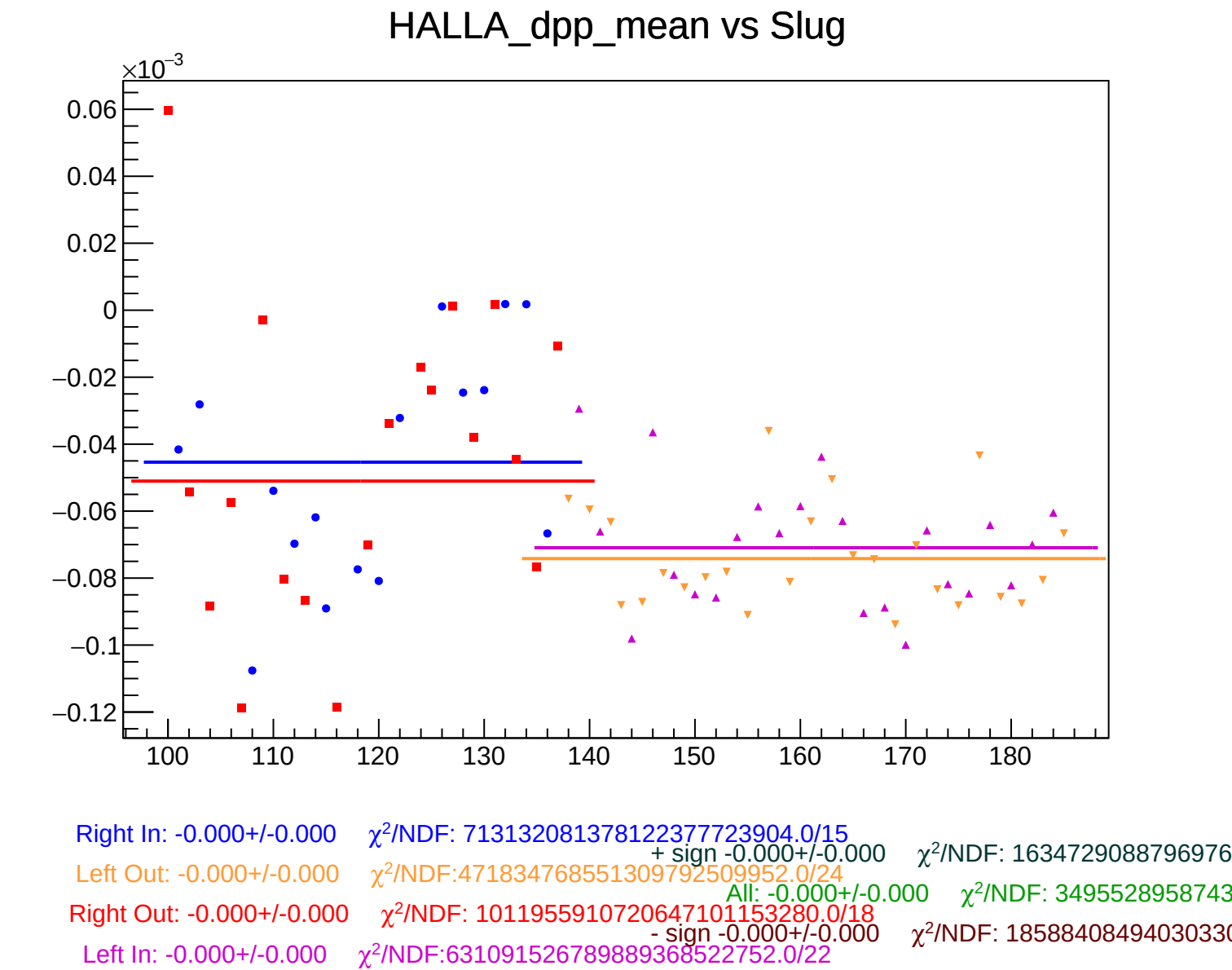
Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

All: 2174.649+/-0.000 χ^2/NDF: 162684823

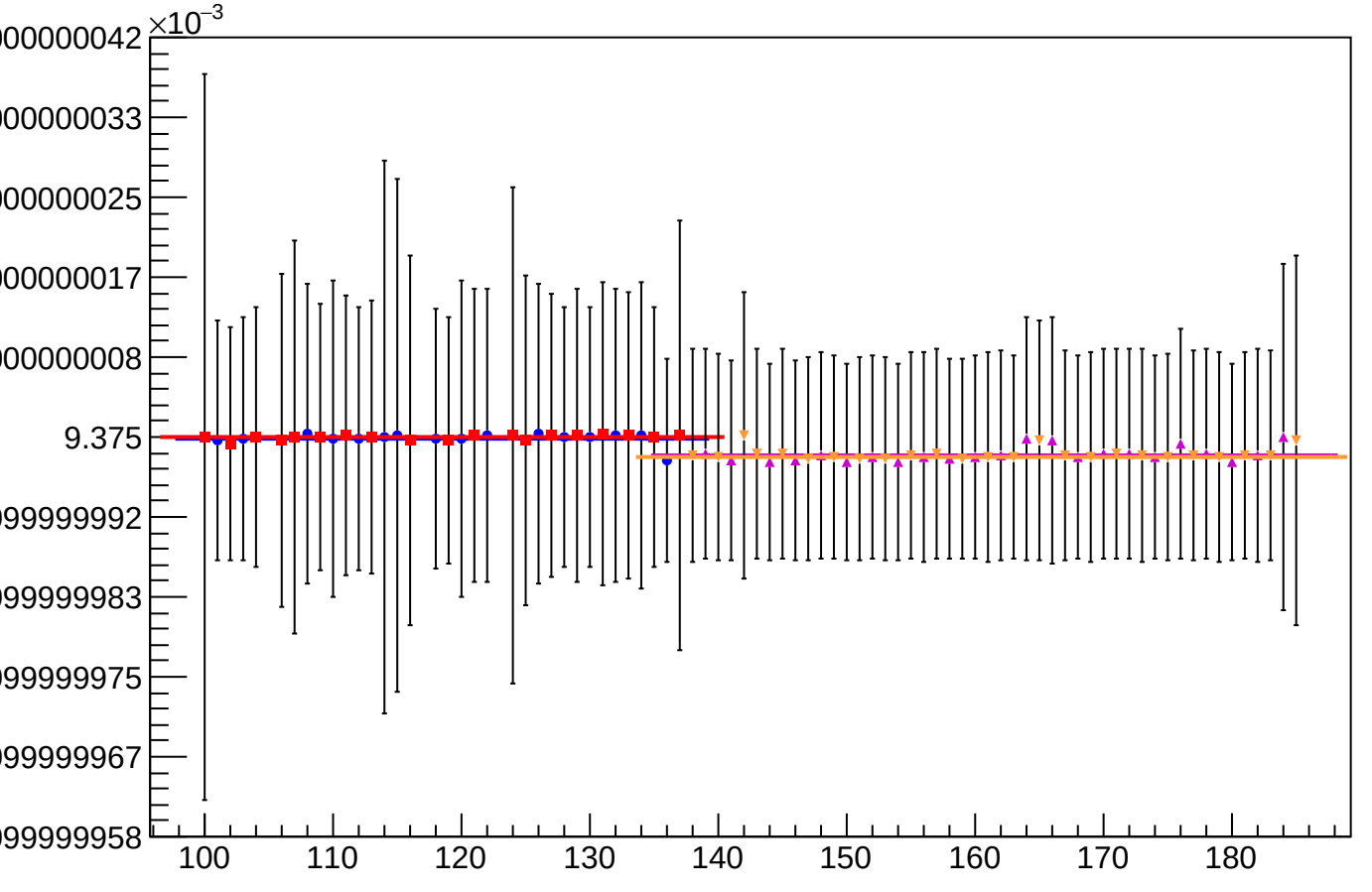
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

- sign 2174.502+/-0.000 χ^2/NDF: 900726655425

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22


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:4718347685513097925099520.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: -0.000+/-0.000 χ²/NDF:6310915267898893685227520.0/22
+ sign -0.000+/-0.000 χ²/NDF: 1634729088796976
All: -0.000+/-0.000 χ²/NDF: 3495528958743
- sign -0.000+/-0.000 χ²/NDF: 1858840849403033

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:0.1/24

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: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/82

- 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 922.684+/-0.000 χ^2/NDF: 231047538685997

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

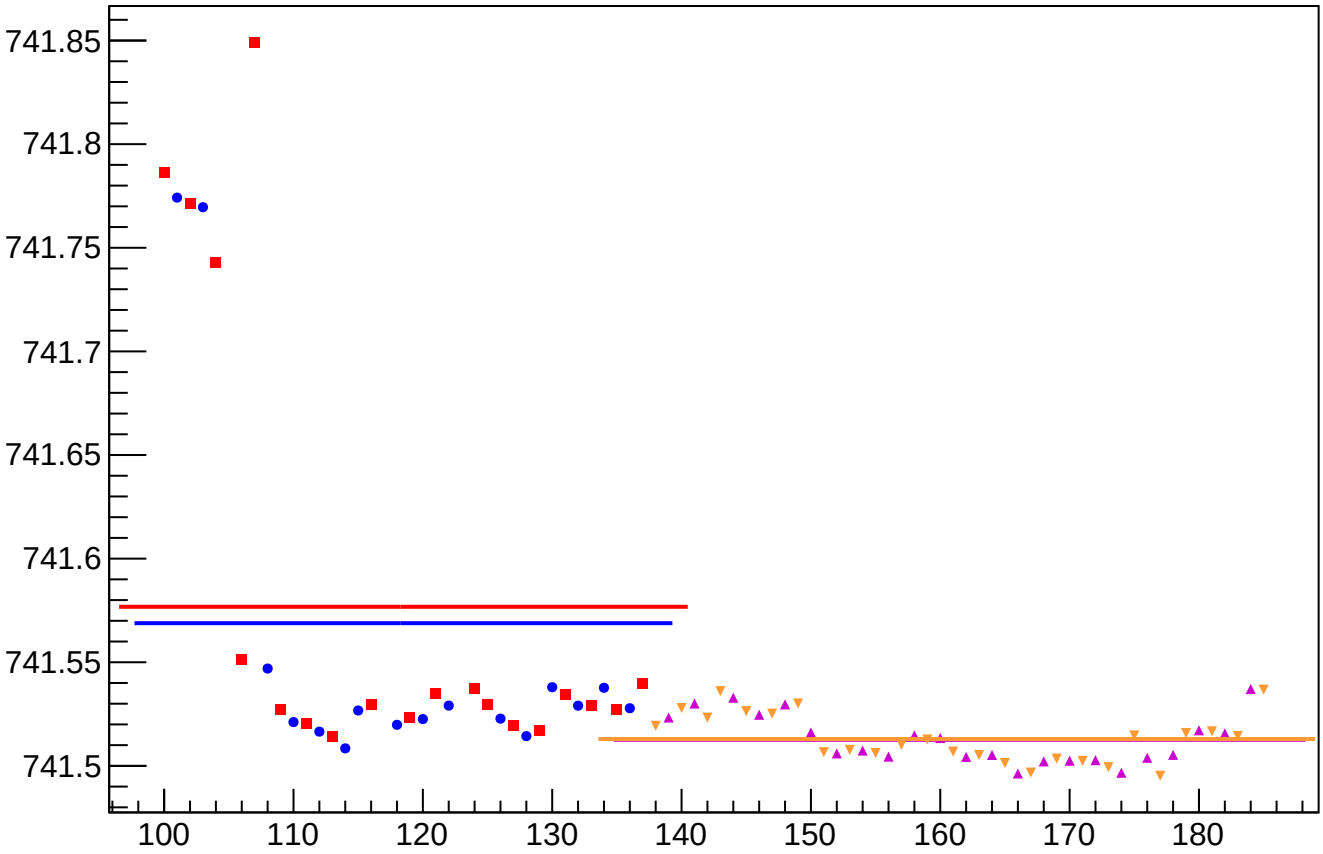
All: 919.268+/-0.000 χ^2/NDF: 623114399597

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:263697449311835480737856648421855723520/22

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: 837801672256638

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

All: 741.529+/-0.000 χ^2/NDF: 185614271315

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

- 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: 9333132768848077867742459330560/15

+ sign 971.202+/-0.000 χ^2/NDF: 255985542182017

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

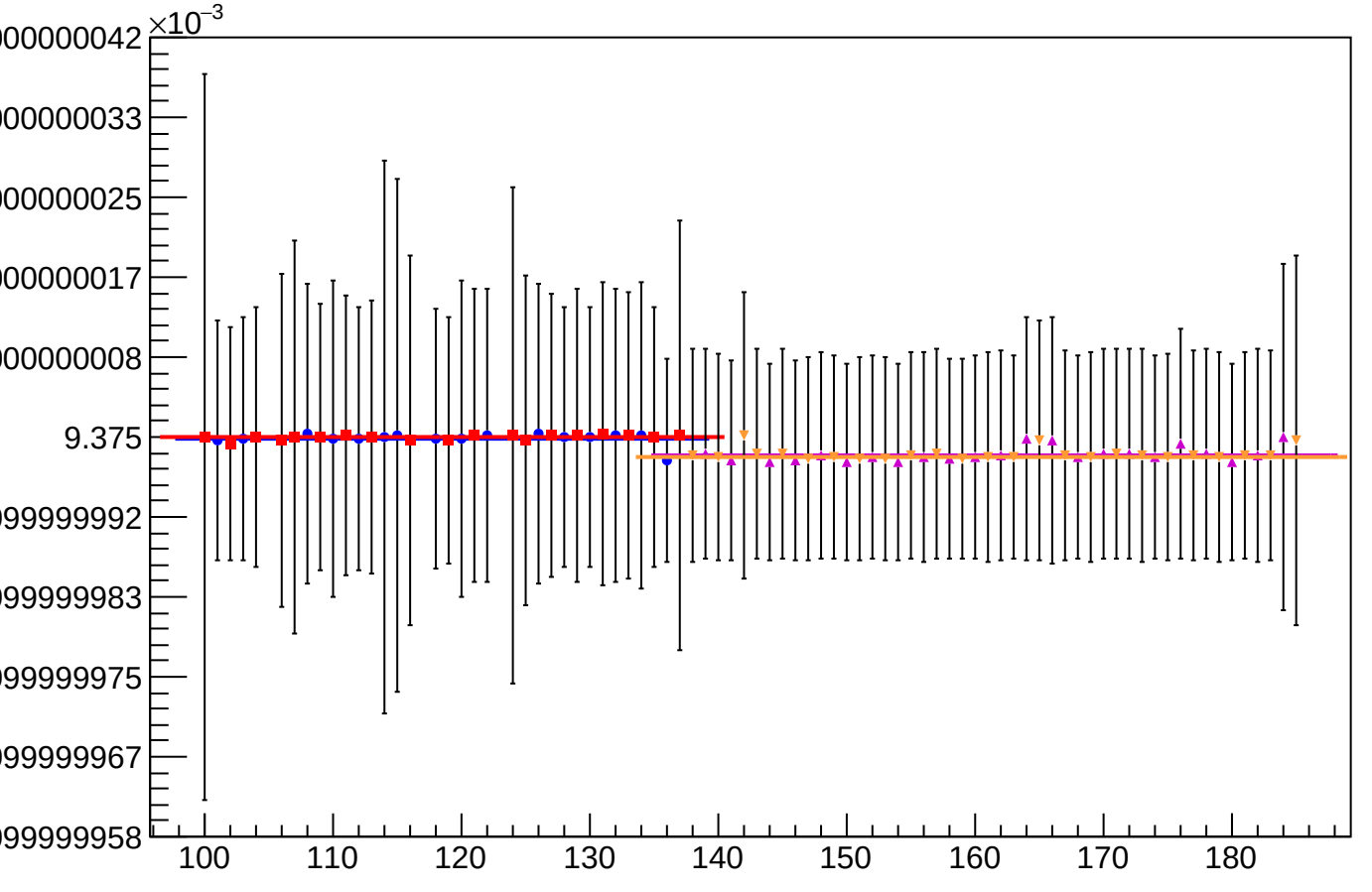
All: 970.312+/-0.000 χ^2/NDF: 549561419742

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

- sign 969.391+/-0.000 χ^2/NDF: 293531372141374

Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501657 6.0/22

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:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

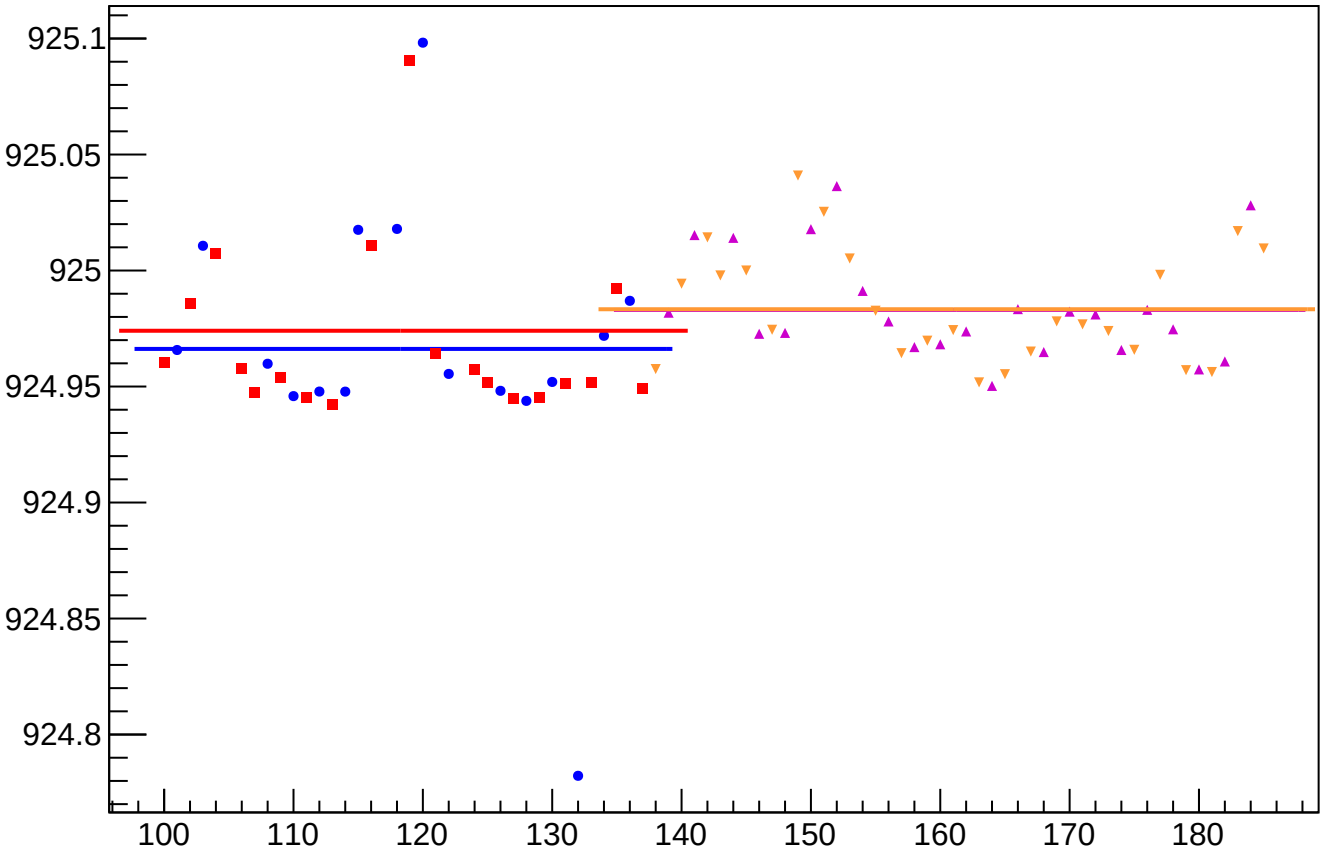
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/82

- 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

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

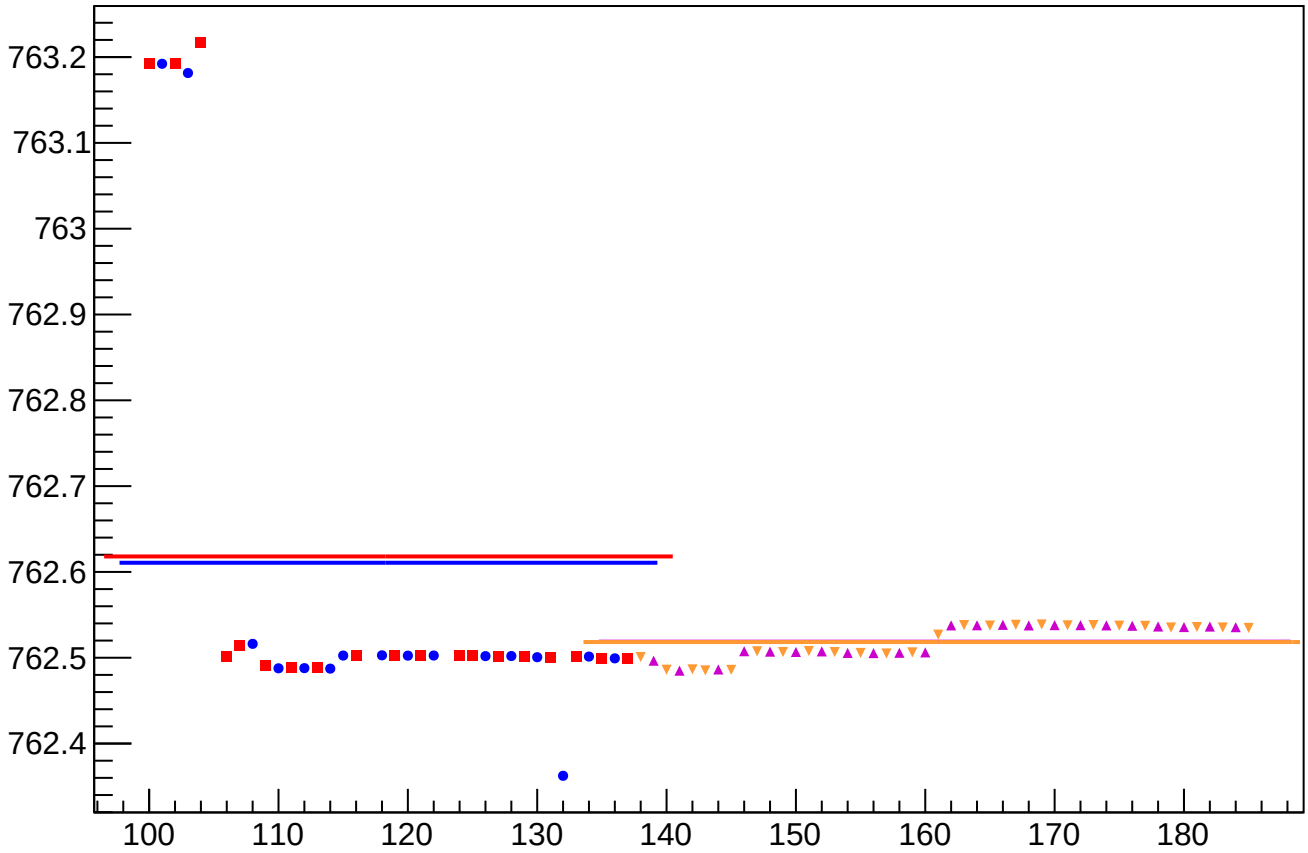
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.979+/-0.000 χ^2/NDF: 386388404411981

All: 924.980+/-0.000 χ^2/NDF: 608201069166

- sign 924.980+/-0.000 χ^2/NDF: 221407330279201

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

+ sign 762.543+/-0.000 χ^2/NDF: 575573110086750

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

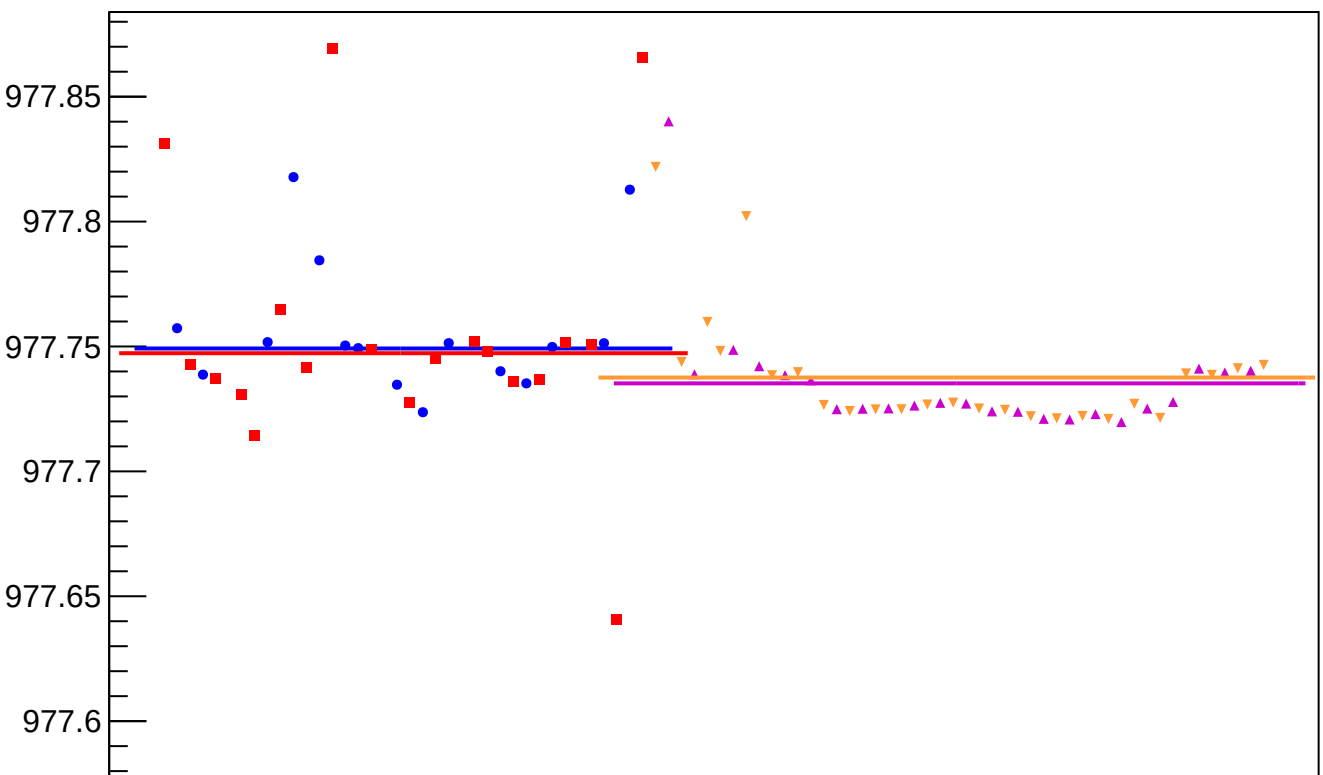
All: 762.545+/-0.000 χ^2/NDF: 11675831408

Right Out: 762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

- sign 762.547+/-0.000 χ^2/NDF: 591791313671827

Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

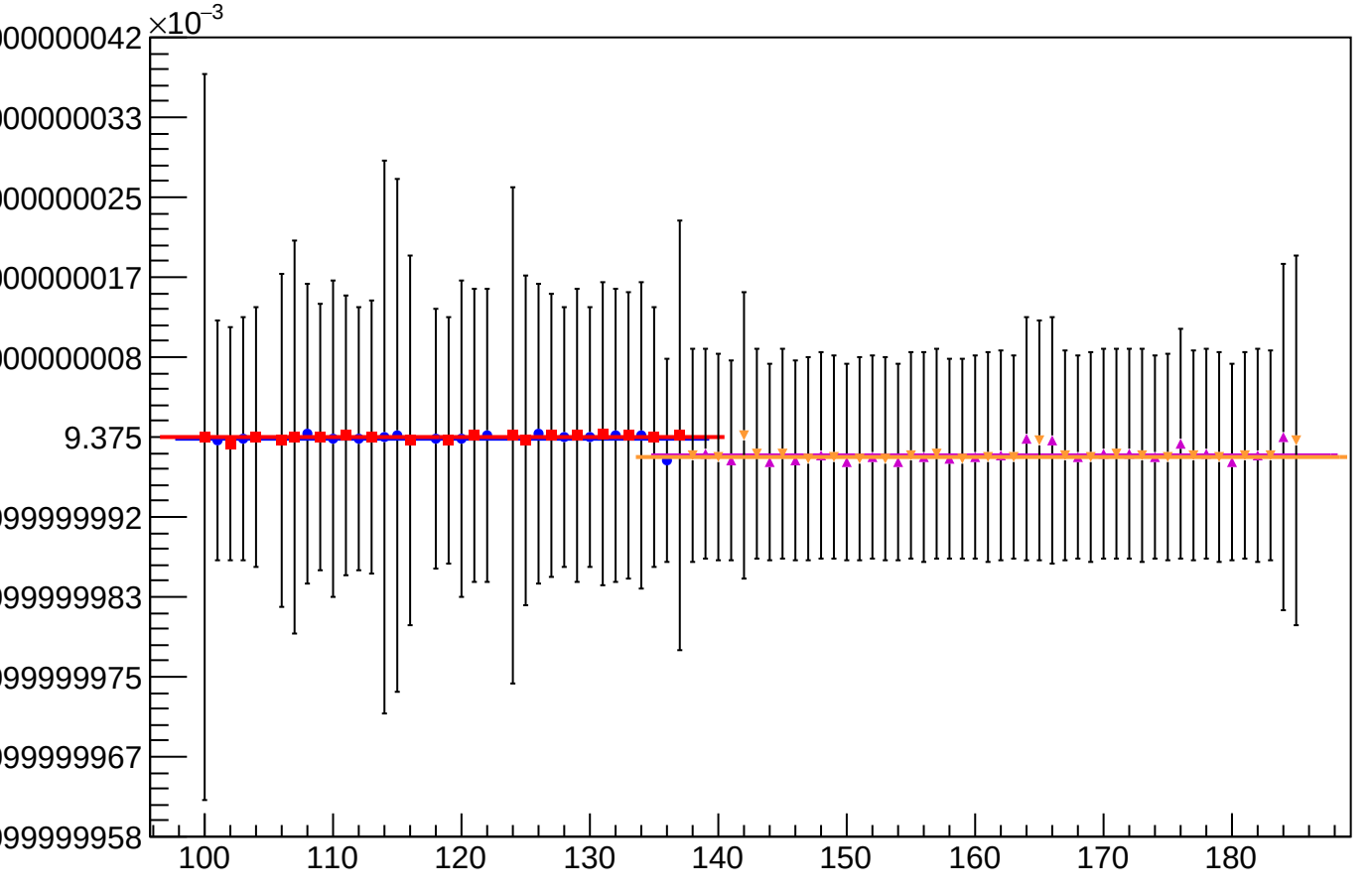
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.741+/-0.000 χ^2/NDF: 321128877059382

All: 977.740+/-0.000 χ^2/NDF: 617511081310

- 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:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

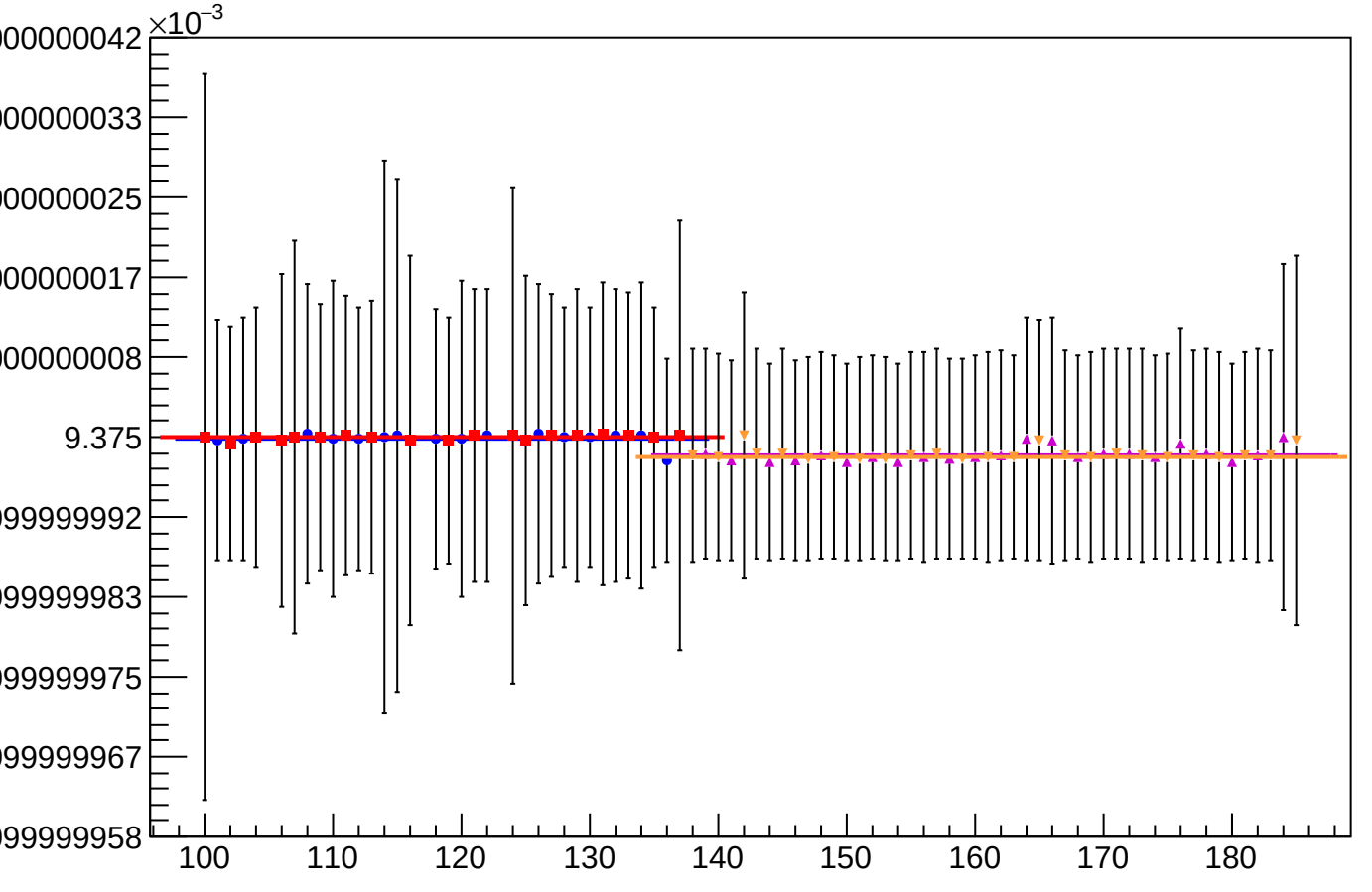
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/82

- 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:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

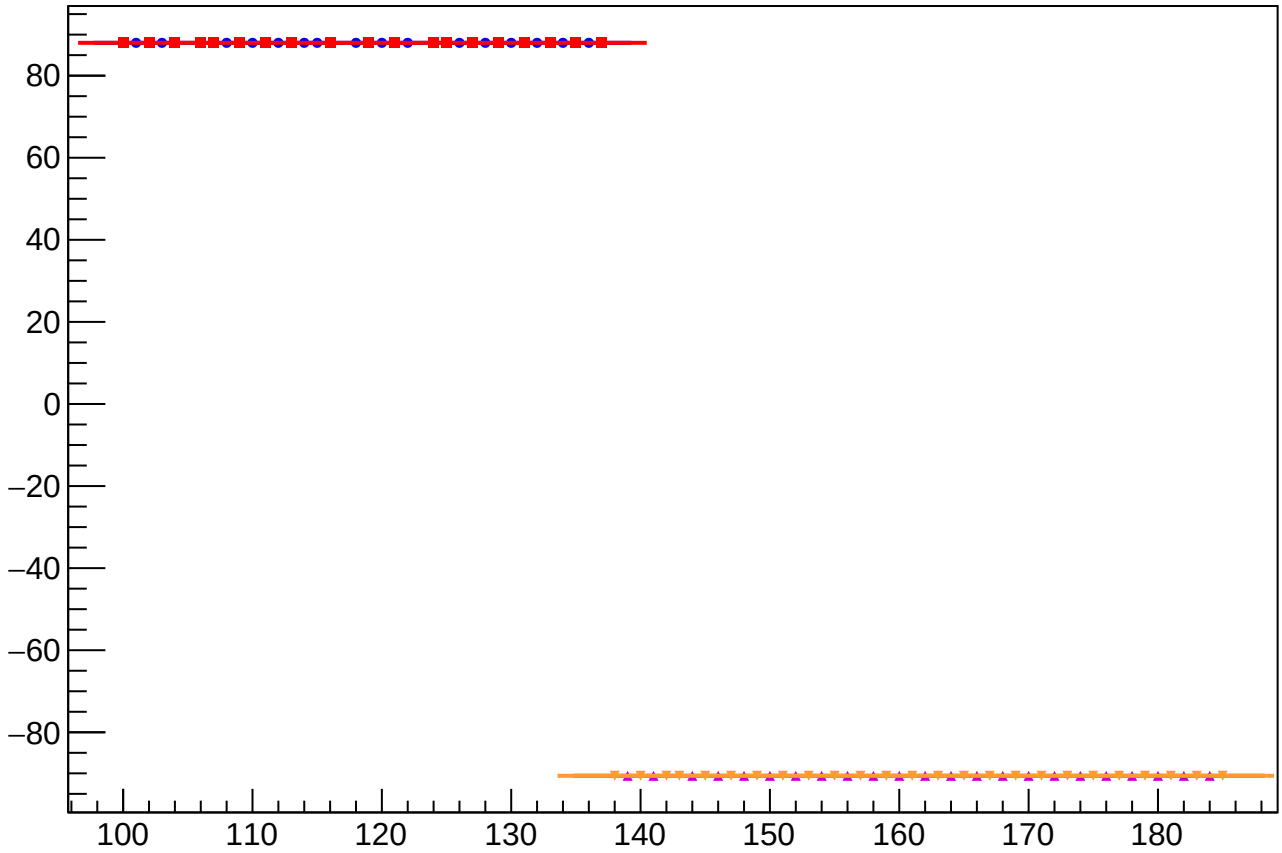
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/82

- 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:5219558.1/24

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360.0/18

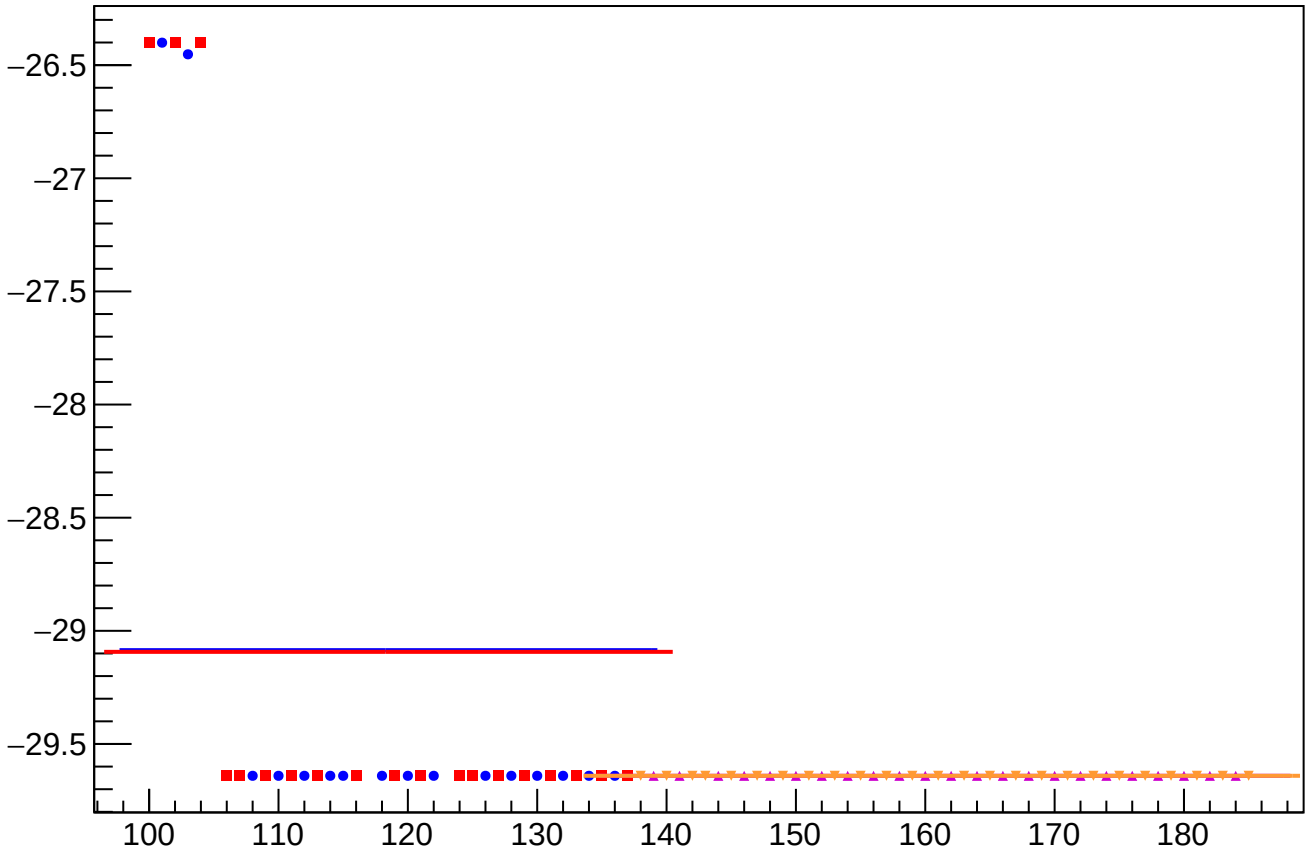
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -42.632+/-0.000 χ^2/NDF: 172882318631677

All: -41.112+/-0.000 χ^2/NDF: 346821950609

- sign -39.541+/-0.000 χ^2/NDF: 1738100641761010

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

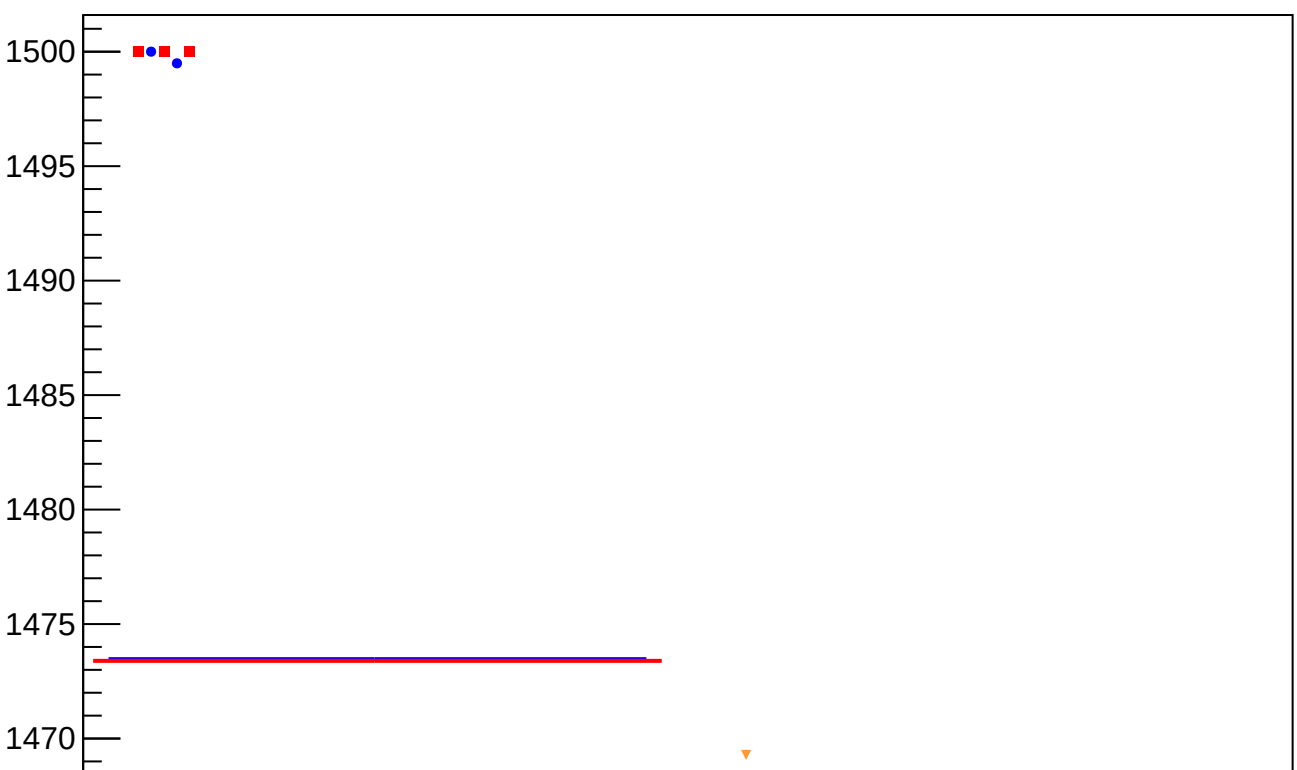
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.492+/-0.000 χ^2/NDF: 126149569272510

All: -29.488+/-0.000 χ^2/NDF: 255030983977

- sign -29.484+/-0.000 χ^2/NDF: 128873870962906



Right In: 1473.467+/-0.000 χ^2/NDF: 1068941948607061768784857937047715840.0/15

+ sign 1469.505+/-0.000 χ^2/NDF: 12293709571731

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

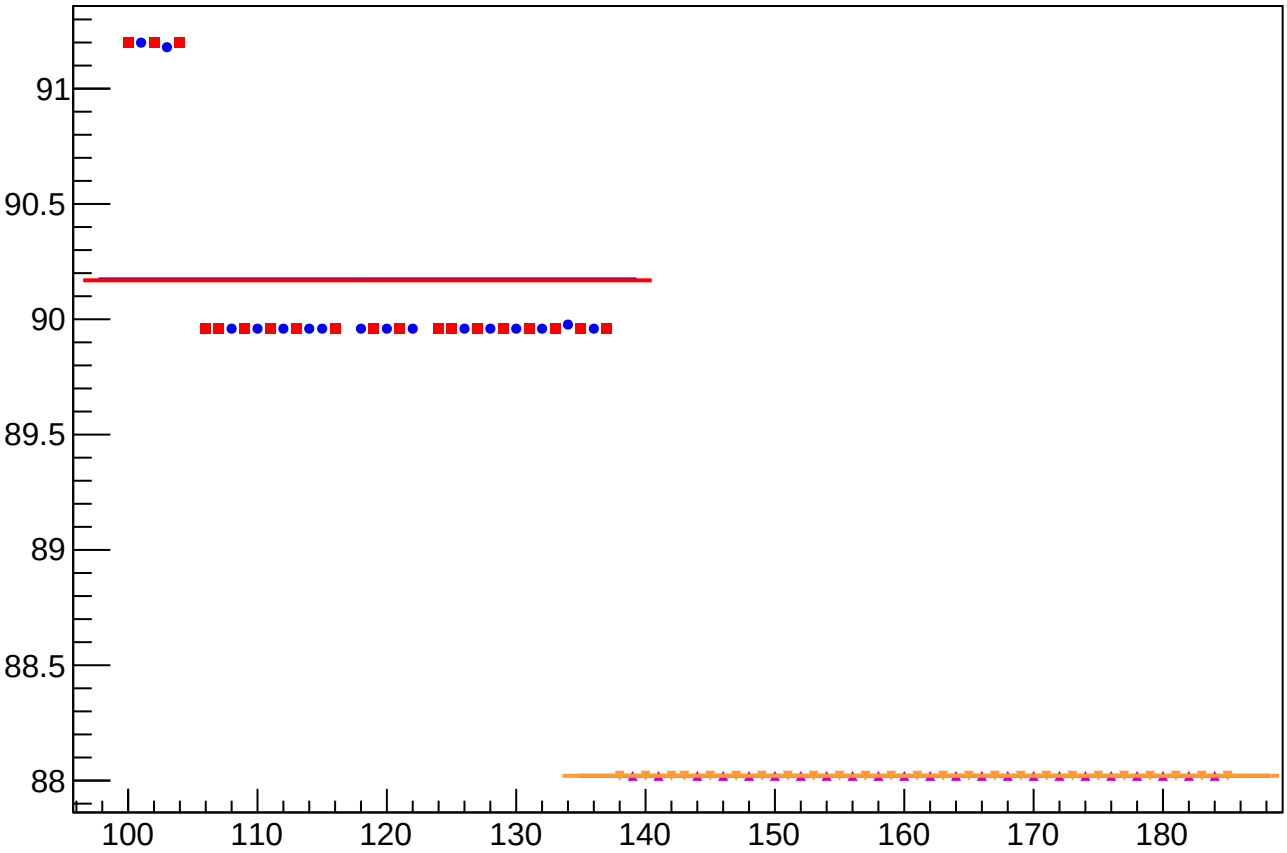
All: 1469.521+/-0.000 χ^2/NDF: 2487341024

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

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

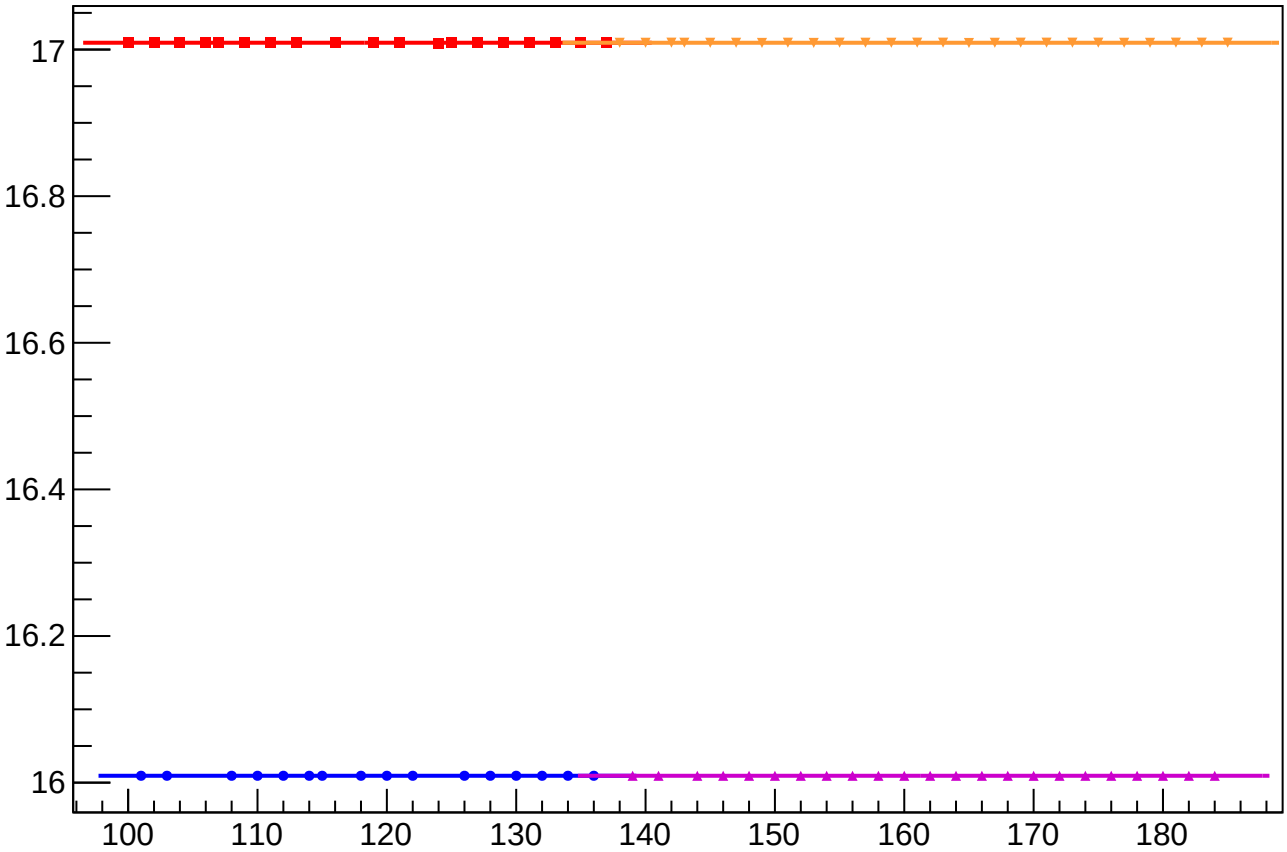
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.599+/-0.000 χ^2/NDF: 2670127639300832

All: 88.616+/-0.000 χ^2/NDF: 535128874536

- 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:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

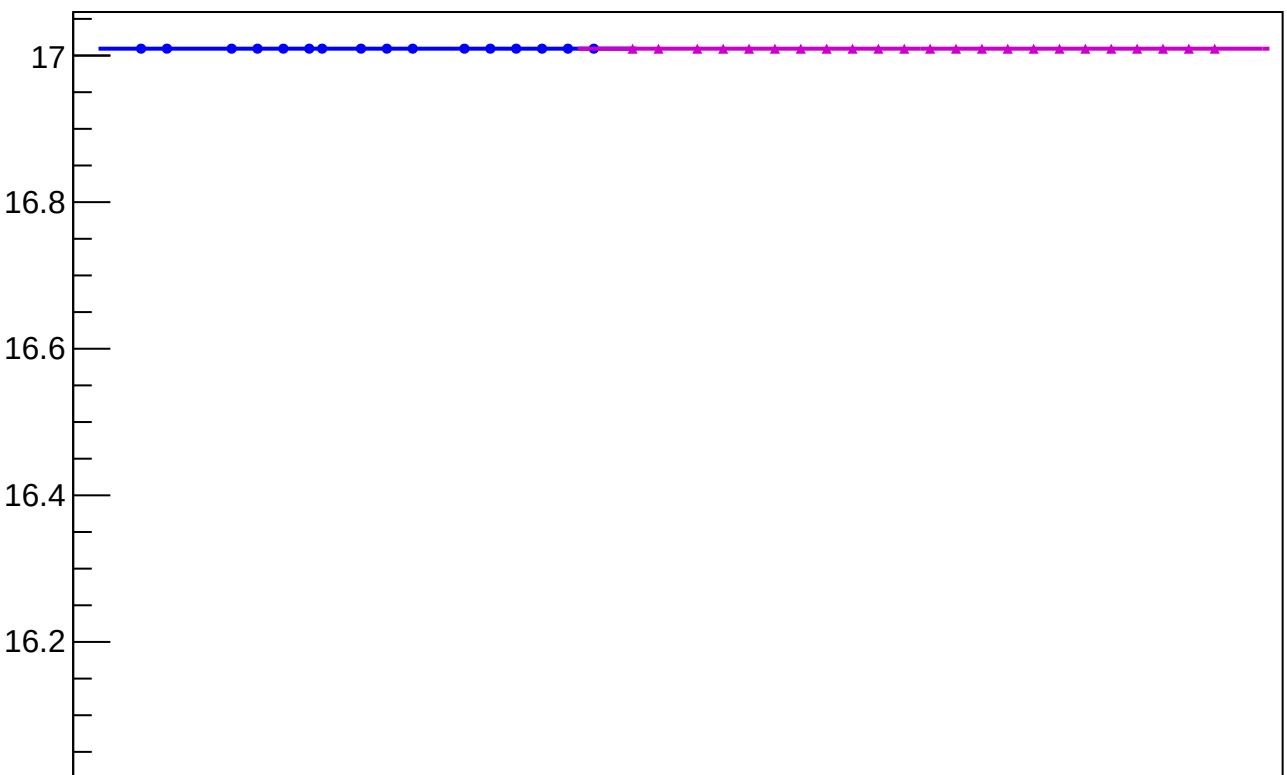
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.737+/-0.000 χ^2/NDF: 5104329887331750

All: 16.519+/-0.000 χ^2/NDF: 125830086361

- 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:2818892758481805649117184.0/24

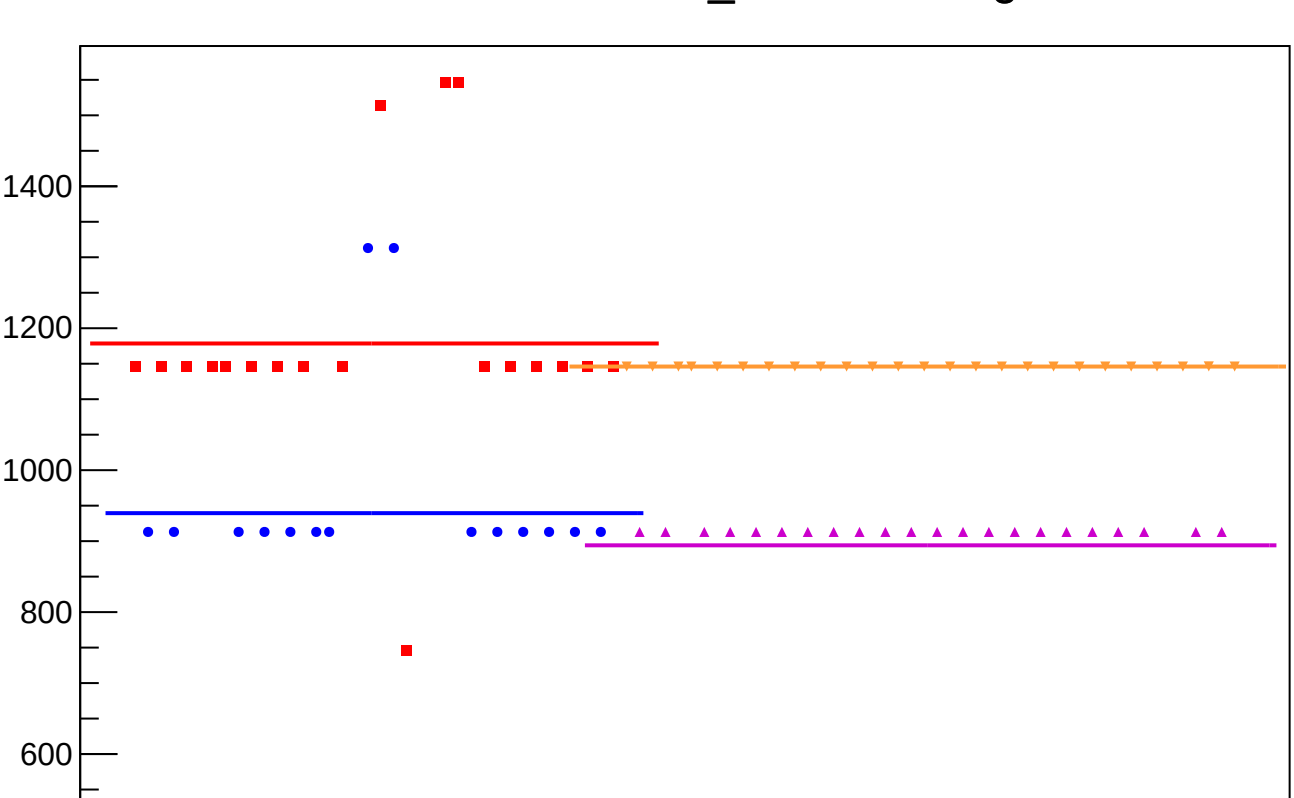
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.271+/-0.000 χ^2/NDF: 5218103376972356

All: 16.492+/-0.000 χ^2/NDF: 132792027847

- sign 16.720+/-0.000 χ^2/NDF: 5390359895168382



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1090.539+/-0.000 χ^2/NDF: 44210985143786

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

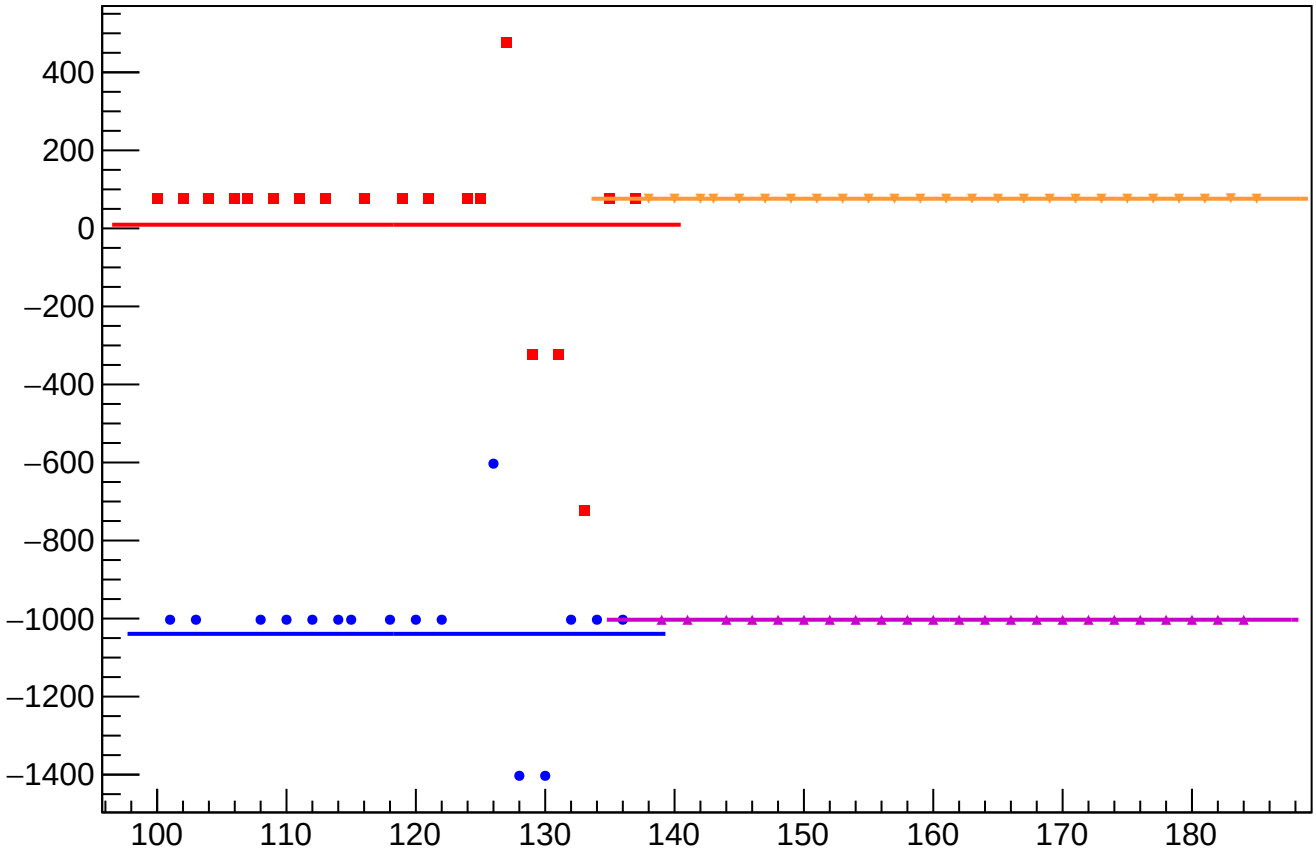
All: 1033.930+/-0.000 χ^2/NDF: 1415131720

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 -223.465+/-0.000 χ^2/NDF: 69693337739556

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048O.0/24

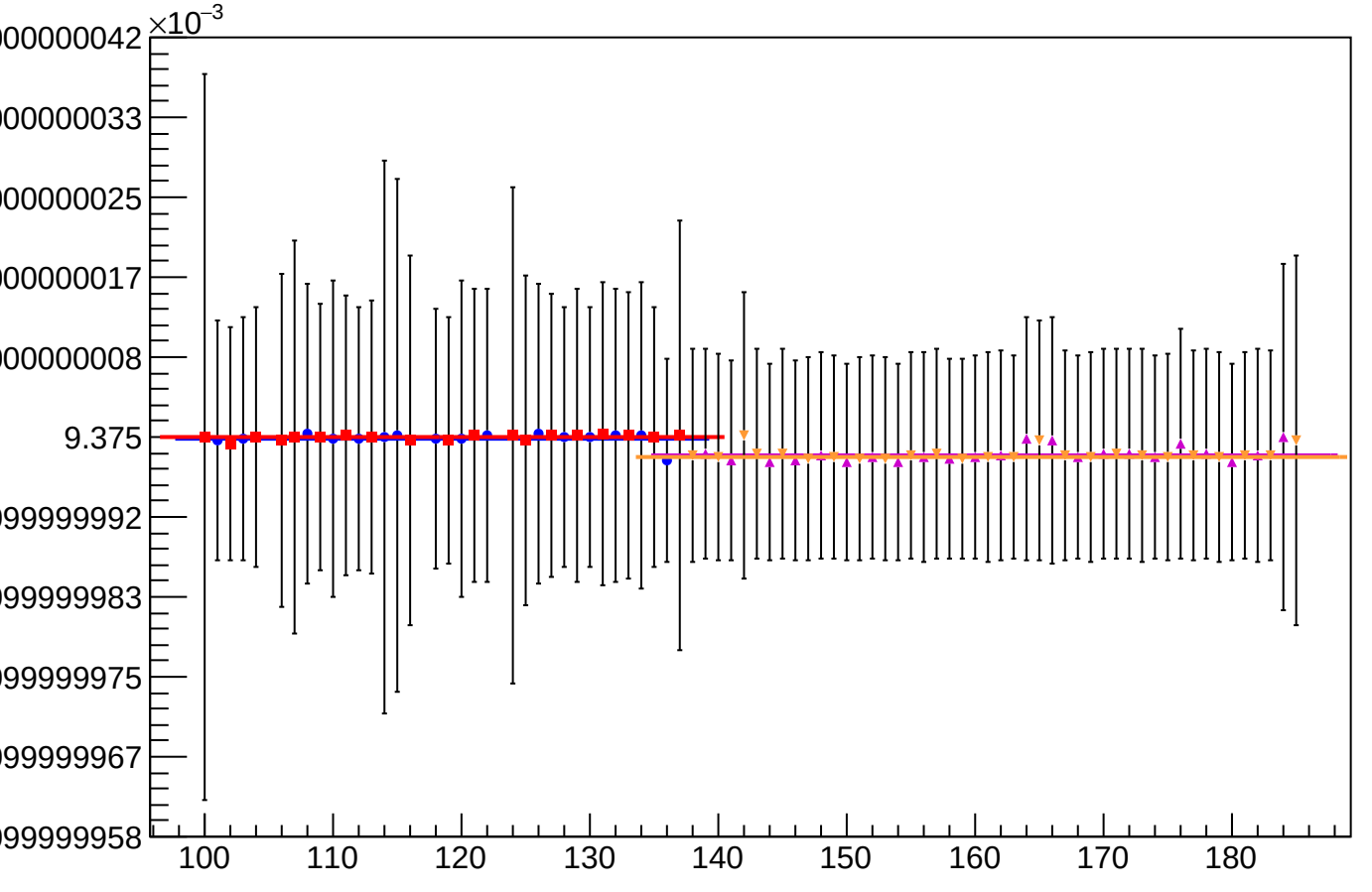
All: -464.452+/-0.000 χ^2/NDF: 1627344707

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -713.565+/-0.000 χ^2/NDF: 604553308061720

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692480.0/22

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:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

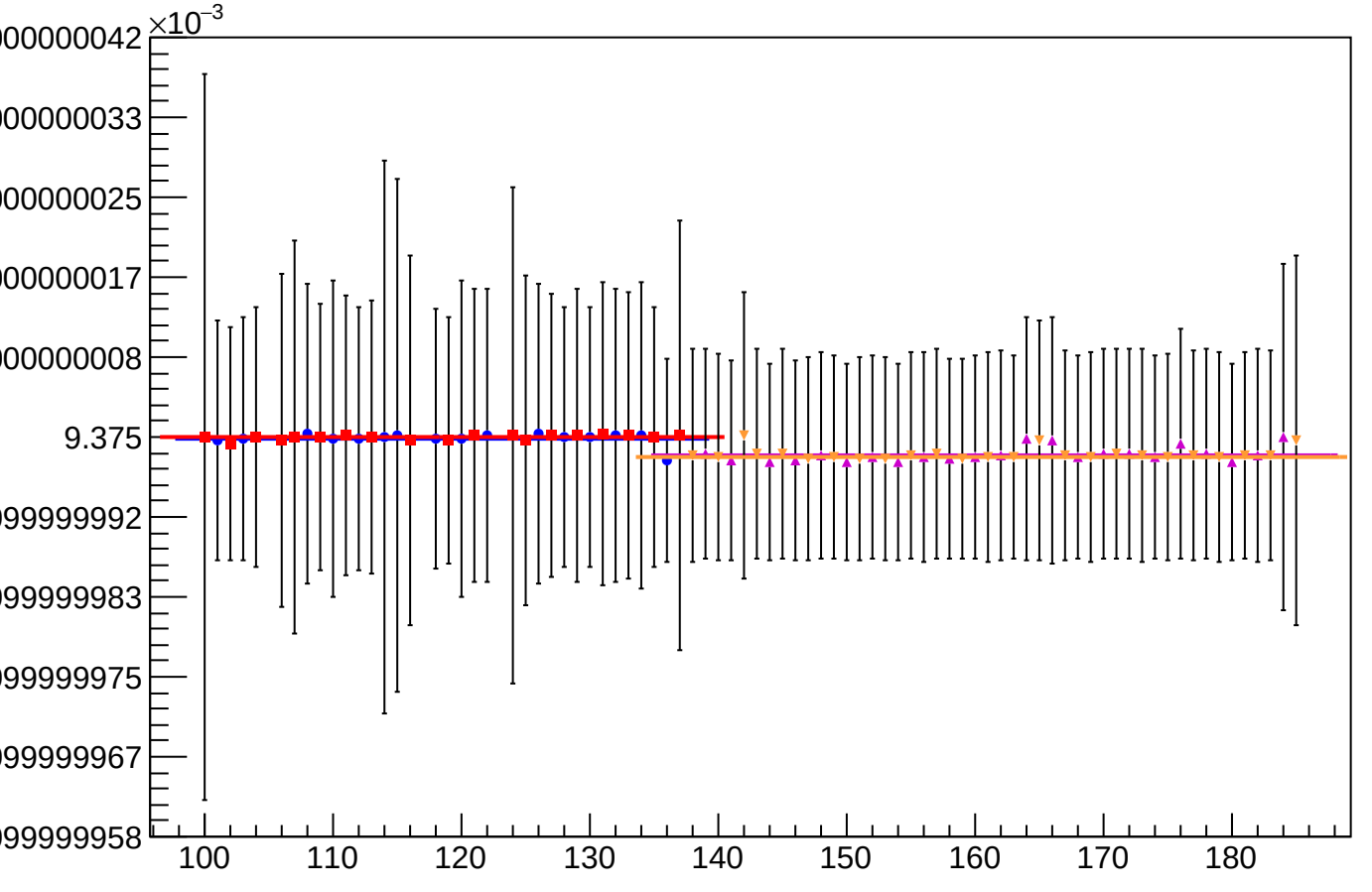
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/82

- 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:0.1/24

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: 0.2/40

All: 0.009+/-0.000 χ^2/NDF: 0.5/82

- sign 0.009+/-0.000 χ^2/NDF: 0.3/41